Max-Planck-Institut für extraterrestrische Physik

Annual Statistics 2014

Imprint

Publisher: Max-Planck-Institut für extraterrestrische Physik

Editors and Layout: W. Collmar, B. Niebisch and J. Zanker-Smith

PERSONNEL 2014

Directors

Prof. Dr. R. Bender, Optical und Interpretative Astronomy, also Professorship for Astronomy/Astrophysics at the Ludwig-Maximilians-University Munich.

Prof. Dr. R. Genzel, Infrared- und Submillimeter-Astronomy, also Prof. of Physics, University of California, Berkeley (USA) (managing director)

Prof. Dr. P. Caselli, Center for Astrochemical Studies

Prof. Dr. K. Nandra, High-Energy Astrophysics

Prof. Dr. G. Haerendel (emeritus)

Prof. Dr. R. Lüst (emeritus)

Prof. Dr. G. Morfill (emeritus)

Prof. Dr. K. Pinkau (emeritus)

Prof. Dr. J. Trümper (emeritus)

Junior Research Groups

Dr. J. Dexter

Dr. S. Gillessen

Dr. S. Khochfar

Dr. P. Schady

MPG Fellow

Prof. Dr. A. Burkert (LMU)

Manager's Assistant

Dr. D. Lutz

Scientific Secretary

Dr. W. Collmar

Press Officer

Dr. H. Hämmerle

External Scientific Members

Prof. Dr. E. van Dishoeck, Univ. Leiden (The Netherlands)

Prof. Dr. V. Fortov, IHED, Moscow (Russia)

Prof. Dr. John Kormendy, Univ. of Texas at Austin (USA)

Prof. Dr. R. Z. Sagdeev, Univ. of Maryland (USA)

Prof. Dr. M. Schmidt, CALTECH, Pasadena (USA)

Prof. Dr. Y. Tanaka, JSPS, Bonn, MPE (Germany)

Prof. Dr. C.H. Townes, Univ. of California, Berkeley (USA)

Curators (together with the MPI for Astrophysics)

Dr. L. Baumgarten, former Board Member DLR

Prof. Dr. A. Bode, TU München (Vice President)

J. Breitkopf, Kayser-Threde GmbH, München

H.-J. Dürrmeier, formerly Süddeutscher Verlag, München

Prof. Dr. W. Glatthaar, former President of the private university Witten/Herdecke GmbH, Stuttgart (Chair of Board)

Min. Dirig. Dr. G. Gruppe, Bavarian Ministry of Economy, Infrastructure, Transportation and Technology, München

Prof. Dr. B. Huber, Rector of LMU München

Dr. M. Mayer, former member of the Bundestag, Höhenkirchen

Min. Dir. J. Meyer, Federal Ministry for Economic Affairs and Technology, Berlin

Prof. Dr. E. Rohkamm, Blohm + Voss GmbH, Hamburg

Scientific Advisory Board

Prof. Dr. J. Bergeron, Institute d'Astrophysique de Paris (France)

Prof. Dr. M. Colless, Austrialian Astronomical Observatory, Epping (Australia)

Prof. Dr. K. Freeman, Mount Stromolo Observatory

(Australia)

Dr. N. Gehrels, NASA/GSFC (USA)

Prof. Dr. F. Harrison, CALTECH (USA)

Prof. Dr. R. Kennicutt, University of Cambridge (UK)

Prof. Dr. E. Quataert, University of California, Berkeley (USA)

Prof. Dr. G. Stacey, Cornell University (USA)

Interdisciplinary Members of the Advisory Board

Prof. Dr. G. Anton, University Erlangen-Nürnberg

(Germany)

Prof. Dr. M. Perrryman, ESA/ESTEC (The Netherlands)

Scientific Honours, Appointments

Burtscher, L.: DFG Priority Programme Grant SPP 1573, DFG, Bonn, Germany, September 2014.

Genzel, R.: Herschel Medal, Royal Astronomical Society, London, UK, June 2014.

Genzel, R.: Order pour le Mérite for Sciences and Arts (OPLM), Bonn, Germany, June 2014.

Genzel, R.: Grand Cross with Star of the Order of Merit of the Federal Republic of Germany, Berlin, Germany,

October 2014.

Genzel, R.: Honorary Doctorate, Paris Observatory (OBSPM), Paris, France, November 2014.

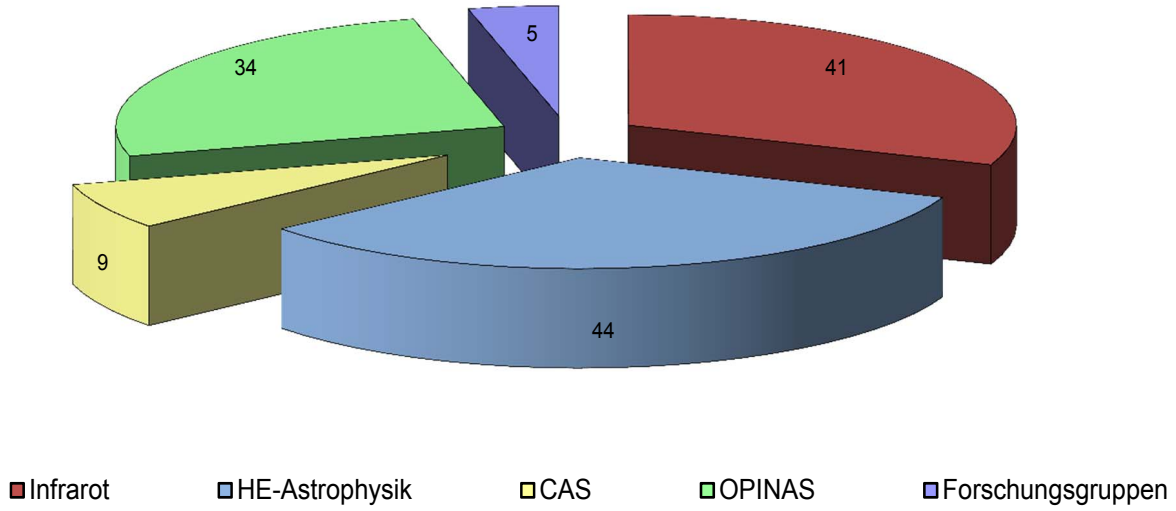
Kanbach, G.: Adjunct Professor, University College Dublin, School of Physics, Dublin, Ireland, June 2014.

van Dishoeck, E.: Induction Leopoldina Academy of Sciences, Halle, Germany, March 2014.

van Dishoeck, E.: Lise Meitner Award in Physics, Gothenburg, Sweden, September 2014.

Science Groups

Staff Members by Science Group



Infrared / Submillimeter-Astronomy

Secretary: Harai-Ströbl, S.

Team Assistant: Dengler, S.; Zanker-Smith, J.

Agudo Berbel, A.; Bandara, Dr. K.; Berta, Dr. S.; Blind, Dr. N.; Bruderer, Dr. S.; Burtscher, Dr. L.; Buschkamp, Dr. P.; Contursi, Dr. A; Davies, Dr. R.; de Jong, Dr. J.A.; Dr. K.; Dexter, Dr. J. (since 1.10.); Doublier Pritchard, Dr. V.; Eisenhauer, Dr. F.; Fedele, Dr. D.; Feuchtgruber, Dipl.-Phys. H.; Förster Schreiber, Dr. N.; Gillessen, Dr. S.; Gracia Carpio, Dr. J.; Habibi, Dr. M. (since 3.11.); Hartl, Dr. M.; Kleiser, A.; Kok, Dr. Y.; Kurk, Dr. J. (until 30.6.); Lutz, Dr. D.; Müller, Dr. T.; Orban de Xivry, G.; Osterhage, S.; Pfuhl, Dr. O.; Poglitsch, Dr. A. (until 1. 7.); Raab, Dr. W.; Rabien, Dr. S.; Rosario, Dr. D.; Schruba, Dr. A.; Sturm, Dr. E.; Tadaki, Dr. K. (since 2.10.); Tacconi, Dr. L.; Vilenius, Dr. E. (until 30.10.); Wisnioski, Dr. E.; Wuyts, Dr. E. ; Wuyts, Dr. S.

Guests

Delvecchio, I. (7.1.-30.6.); Jaffe, Dr. D. (2.-20.6.); Lee, Dr. H.M. (8.1.-27.2.); Netzer, Dr. H. (14.-18.7.); Sari, Dr. R. (26.-30.5., 9.9.-20.10.); Schnorr-Mueller, Dr. A. (1.1.-31.12)

PhD (D.) / Master (M.)

Fuchs L. (until 31.7., M., S. Wuyts); Fudamoto, Y. (until 31.12., M., Förster Schreiber); Janssen A. (D., Sturm); Karska, A. (until 15.8., D., van Dishoeck); Lang P. (D., Förster Schreiber); Lin M.-Y. (D., Davies); Lippa, M. (D., Gillessen); Miotello A. (until 31.8., D. van Dishoeck); Murillo N. (D., van Dishoeck); Plewa P. (D., Gillessen); Rugel M. (until 30.10., M., van Dishoeck); Weber J. (M., Eisenhauer)

High-Energy Astrophysics

Secretary: Boller, B.

Team Assistant: Frankenhuizen, W.

Andritschke, Dr. R.; Becker, Dr. W.; Boller, Prof. Dr. T.; Bräuninger, Dr. H.; Brightman, Dr. M. (until 31.7.); Brunner, Dr. H.; Burkert, Dr. W.; Burwitz, Dr. V.; Carpano, Dr. S. (since 1.4.); Dennerl, Dr. K.; Diehl, Prof. Dr. R.; Dwelly, Dr. T.; Eder, Dipl.-Ing. J.; Elbs, Dr. J.; Elliot, Dr. J. (since 1.10.); Emberger, V.; Englert, L.; Eraerds, T.; Freyberg, Dr. M.; Friedrich, Dr. P.; Fürmetz, Dr. M.; Gaida, R.; Georgakakis, Dr. A.; Graham, Dr. J. (since 1.11..); Greiner, Dr. J.; Haberl, Dr. F.; Hartmann, K.; Hartner, Dipl.-Math. G.; Hauser, G.; Kienlin von, Dr. A.; Meidinger, Dr. N.; Merloni, Dr. A.; Pfeffermann, Dipl.-Phys. E.; Porro, Dr. M.; Predehl, Dr. P.; Rau, Dr., A.; Sanders, Dr. J.; Savaglio, Dr. S. (until 31.7.); Schady, Dr. P.; Sturm, Dr. R.; Walther, Dipl.-Phys. S.; Weidenspointner, Dr. G.; Winter, Dr. A.; Zhang, Dr. X.-L.

Guests

Balestra, Dr. I. (since 1.1.); Chartas, Dr. G. (14.-16.5.); Chiocchi, F. (until 29.6.); Derhorst, Dr. A. (9.-11.11.); Erfanianfar, G. (1.4.-31.08.); Faßbender, Dr. R. (until 31.12.); Fox, Dr. D. (until 31.5.); Filipovic, Dr. M. (29.9.-6.10.); Guzzo, Dr. L. (5.-7.11.); Hatzidimitriou, Prof. D. (22.-29.9.), Michalowski, Dr. M. (23.-26.4.); Moin, Dr. A. (17.-24.8.); Nicastro, Dr. L. (8.-12.12.); Pacaud, Dr. F. (24.-28.11.), Pietsch, Dr. W.; Ramos, Dr. M. (24.-28.11.); Ramirez-Ruiz, Dr. E. (2.-7.4.); Scaringi, Dr. S.; Smolcic, Dr. V. (15.-17.10.); Sökmen, E. (5.9.-15.10.); Steinhart, Dr. C. (20.-22.5.); Strong, Dr. A.; Tennio-Tagle, Dr. G. (1.-9.9.); Townsend, Dr. L.J. (13.-15.10.); Trotta, D. (17.3.-15.8.); Szary, Dr. A. (1.- 28.2.);

Tsuruta, Prof. Dr. S. (8.-16.7.); van Eerten, Dr. H.; Voges, Dr. W. (since 1.1.); Zhu, L.; Zengin Camurdan, Dr. D. (since 15.3.)

PhD (D.) / Master (M.)

Bähr, A. (D., Meidinger); Bergbauer, B. (D., Meidinger); Bernhardt, M.G. (D., Becker); Breunig, E. (D., Predehl); Buchner, Dipl. Ph. J. (D., Georgakakis); Elliot, Dipl.- Phys., J. (D., until 30.9., Greiner); Erfanianfar, G. (until 31.3., D., Finoguenov); Ghaempanah, M. (D., Diehl/Ensslin); Heisemann, P. (M., Becker); Hofmann, F. (D., Becker); Hsu, L.-T. (D., Nandra); Khachatryan, G. (until 30.11, D., Diehl); Knust, F. (D., Greiner); Mantovani, G. (D., Nandra); Maggi, P. (D., Haberl); Menz, B. (D., Burwitz); Menzel, M.-L. (D., Nandra); Mirkazemi, M. (until 28.2., D., Nandra); Müller-Seidlitz, J. (D., Becker/Meidinger); Prinz, T. (until 30.6, D., Becker); Siegert, T. (D., Diehl); Sudilovsky, V. (D., Greiner); Tanga, M. (D., Schady/Greiner); Varela, K. (D., Greiner); Vasilopoulos, G. (D., Haberl); Weissmann, A. (until 30.6., D., Böhringer); Yu, H.-F. (D., Greiner)

Optical and Interpretative Astronomy

Secretary: Ingram C.; Niebisch, B.

Beifiori, Dr. A.; Bode, Dr. A.; Bodendorf, Dr. C.; Böhringer, Prof. Dr. H; Bohnet, A.; Brucalassi, Dr. A. (since 1.8.); Erwin, Dr. P.; Fabricius, Dr. M.; Farrow, Dr. D. (since 1.10.); Galametz, Dr. A. (since 1.6.); Geis, Dr. N.; Gerhard, Prof. Dr. O.; Goldenbogen, O. (since 1.4.); Grupp, Dr. F.; Hartung, I. (since 1.7.); Hopp, Dr. U.; Koppenhöfer, Dr. J.; Katterloher, Dr. R.; Lee, Dr. C-H.; Mazzalay, Dr. X.; Mendel, Dr. T.; Monna, Dr. A. (until 31.7.); Montesano, Dr. F.; Muschielok, B.; Neumann, M. (until 31.8.); Penka, D. (since 1.9.); Phleps, Dr. S. (until 31.1.); Raison, F.; Saglia, PD. Dr. R.; Sanchez, Dr. A.; Snigula Dr. J.; Thomas, Dr. J.; Vogel, Dipl.Ing. C.; Wegg, Dr. C.; Weller, Prof. Dr. J.; Weiss I.

Guests

Drory, Dr. N. (17.7.-17.8.); Gebhardt, Dr. K. (22.-29.7.); Grocce, Dr. M. (15.-19.9.); Hill, Dr. G. (1.-29.9.), Kormendy, Prof. Dr. J. (1.5.-31.12.); Noyola, Dr. E. (17.7.-17.8.); Scoccomarro, Dr. R. (15.-19.9.)

PhD (D.) / Master (M.)

Blana, M. (D., Gerhard); Brucalassi, A. (D., Saglia); Chan, J. (D., Saglia); Chatzopolous, S. (D., Gerhard); Finozzi, F. (D., Saglia); Grieb, J. (D., Bender); Kulkarni, S.; (D., Saglia); Lippich, M. (D., Bender); Longobardi, A. (D., Gerhard); Opitsch, M. (D., Saglia); Portail, M. (D., Gerhard); Pulsoni, C. (D., Gerhard); Rosotti, G. (M., Bender); Rudkee, S. (D., Grupp/Fabricius); Salazar-Albornoz, S. (D., Sanchez); Simm, T. (M., Saglia); Söldner-Rembold, I. (D., Gerhard); Wulstein, P. (D., Saglia); Zendejas, J. (D., Saglia)

Center for Astrochemical Studies

Secretary: Langer, A.

Alves de Oliveira, Dr. F. (since 1.8.); Bailey, Dr. J. (since 1.5.); Bailey, Dr. N. (since 1.5.); Bizzocchi, Dr. L. (since 1.5.); Choudhury, Dr. R. (since 1.7.); Hocuk, Dr. S. (since 1.9.), Ivlev, Dr. A.; Laas, Dr. J. (since 1.7.); Lattanzi, Dr. V. (since 8.9.); Pineda Fornerod, Dr. J. (since 1.12.); Pon, Dr. A. (since 1.7.); Sipilä, Dr. O. (since 15.8.); Thi, Dr. W. (since 1.9.) Vasyunin, Dr. A. (since 1.7.); Zhao, Dr. B. (since 1.9.)

Gäste

Tan, J. (4.5.-7.6); Walmsley, M. (4.-8.5.); Endres, Ch. (14.-16.5.); Kauffmann, J. (4.-6.5.); Pillai, T. (4.-6.5.); Krekel, H. (13.-15.5.); Laas, J. (14.-20.5.); Navarrini, A. (13.-15.5.); Herbst, E. (13.-18.5.); Widicus Weaver, S. (13.-18.5.); Spezzano, S. (13.-19.5.); Schlemmer, S. (13.-16.5.); Giuliano, B. (13.-16.5.); Dore, L. (13.-16.5.); Thorwith, S. (13.-16.5.); Lattanzi, V. (13.-15.5.); Punanova, A. (16.-19.5.); Vasyunin, A. (16.-19.5.); Kong, S. (15.-25.5.); Cazaux, S. (15.-17.6.); Höcük, S. (15.-17.6.); Spaans, M. (16.-17.6.); Daniel, F. (17.-21.6.); Hartquist, T. (6.-10.7.); Wiesenfeld, L. (7.-8.7.); Tarano, C. (21.-23.7.); Da Rio, N. (21.-23.7.); Galli, D. (23.-25.7.); Padovani, M. (23.-26.7.); Endres, Ch. (24.-28.8.); Höcük, S. (26.8.-2.9.); Bano Esplugues, G. (26.-28.8.); Cazaux, S. (26.-28.8.); Meijernik, R. (27.-28.8.); Malinen, J. (8.-10.9.); le Gal, R. (8.-10.9.); Giukiano, B. (18.-29.9.); Endres, Ch. (22.-25.9.); Harju, J. (28.9.-2.10.); Schlemmer, S. (30.9.-2.10.); Gianetti, A. (6.-8.10.); Pineda Fornerod, J. (7.-9.10.); Bovino, S. (12.-13.10.); Ceccarelli, C. (2.-20.11.); Vastel, Ch. (3.-7.11.); Fontani, F. (9.-15.11.); Codello, C. (9.-15.11.); Semenov, D. (16.-21.11.); Lamberts, A. (17.11.); Sadavoy, S. (23.-28.11.); Evans, M. (24.-27.11.); Helling, Ch. (30.11.-1.12.); Wiesenfeld, L. (8.-12.12.); Galli, D. (9.-12.12.); Paovani, M. (9.-13.12.); Tan, J. (10.-15.12.).

PhD (D.) / Master (M.)

Chacon, A. (since 1.9., D., Caselli); Punanova, A. (since 1.7., D., Caselli); Sokolov, V. (since 1.9., D., Caselli)

Research Group Burkert

Burkert, Prof. Dr. A.; Fierlinger, Dr. K.; Schartmann, Dr. M.

PhD (D.) / Master (M.)

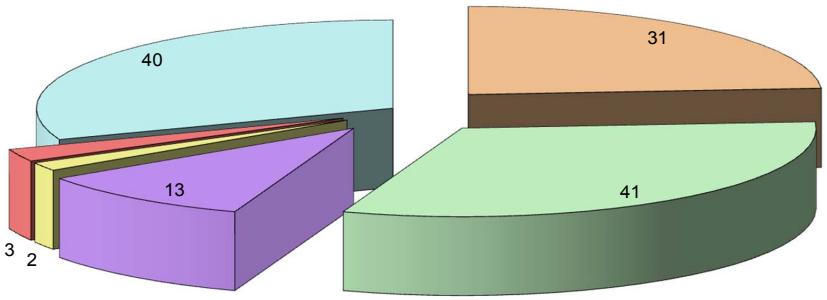
Abbellah, J. (D., Burkert); Alig, C. (D., Burkert); Behrendt, M. (D., Burkert)

Research Group Khochfar

Agarwal, Dr. B. (until 31.12.); Khochfar, Dr. S. (until 31.8.); Paardekooper, Dr. J.-P. (until 31.10.);

Engineering and Workshop

Engineering, Workshops, Central Services Staff



Electronic Engineering

Plattner, Dr. M. (Head of Electronics)

Albrecht, Dipl-Ing. S.; Barl, Dipl.-Ing (FH) L.; Bornemann, Dipl.-Ing. (FH) W.; Burghardt, Dipl.-Ing. (FH) T.; Buron, M. Sc. A.; Cibooglu, H.; Coutinho, D.; Emslander, A., Gressmann, R., Hälker, Dipl.-Ing. (FH) O.; Hans, O., Hengmith, M.; Kellner, Dipl.-Ing. (FH) S.; Kink, Dipl.-Ing. (FH) W.; Krämer, S.; Langer, P.; Mießner, D.; Müller, Dipl.-Ing. (FH) S.; Oberauer, F.; Ott, Dipl.-Ing. (FH) S. (since 1.4.); Rau, Dipl.-Ing. (FH) C.; Reiffers, Dipl.-Ing. (FH) J.; Reiss,

P.; Rupprecht, T.; Schneider, M.; Schrey, F.; Tomic, K. (until 31.8.); Xu, W.; Yaroshenko, V.; Zanker-Smith, J.; Ziegleder, Dipl.-Ing. (FH) J.

Mechanical Engineering

Schubert, Dr. J. (Head of Mechanics)

Blasi, T.; Deysenroth, C.; Deysenroth, M.; Dittrich, Dipl.-Ing. (FH) K.; Gemperlein, Dipl.-Phys. H.; Haug, Dipl.-Ing. (FH) M.; Haußmann, F.; Huber, Dipl.-Ing. H.; Mayr-Ihbe, R.; Mican, Dipl.-Ing. B.; Paßlack, Dipl.-Ing (FH) S.; Pflüger, Dipl.-Ing. (FH) A.; Pietschner, Dipl.-Ing. (FH) D.; Plangger, M.; Rohé, C.; Schreib, R.; Strecker, R.; Tiedemann, Dipl.-Ing. L.

Mechanical Workshop

Czempiel, S. (Head of Mechanical Workshop)

Bayer, R.; Brara, A.; Budau, B.; Dietrich, G.; Eibl, J.; Feldmeier, P.; Gahl, J.; Goldbrunner, A.; Hartwig, J.; Hiefinger, M. (7.6. - 31.8.); Honsberg, M.; Huber, D.; Huber, F.-X.; Huber, S. (until 28.2.); Kestler, H.-J.; Sandmair, R.; Schneider, A.; Schnell, P.; Schunn, W.; Senftleben, S.; Soller, F.; Straube, P. (until 11.2.)

Apprentices

Biber, A. (1.9. until 24.10.); Fischer, C. (ab 1.9.); Hiefinger, M. (until 6.6.); Kellermann, H.; Kratschmann, T. (until 28.1.); Leimböck, F.; Lenzewski, S.; Liepold, T.; Reinold, A.; Schuppe, D.

Student Assistants, Interns and Temporary Employees

Student Assistants

Bianchi, D.; Gillhuber, M.; Koch, A.; Santa Cruz Leal, U.S.; Mahmud, T.; Schamberger, T.; Schweyer, T.; Standke, T.

Practical Work Experience

Work Experience (School)

Behrens, H.; Boos, J; Büttner, F.; Geigenberger, K.; Gundlach, T.; Hagemann, D.; Halupka, G.; Korwieser, M.; Kürn, D.; Ottavani, L..; Schäfer, A.; Smith, D.; Soegtrop, M.; Steinmetz, S.; Varendorff, R.

Work Experience (University)

Amador, P.; Arweiler, D.; Hörmann, V.; Kellermann, H.; Würsching, G.

Temporary Employees

Bolmer, J.; Emslander, V.; Huber, K.; Kestler, C.; Kuffer, L.; Mühlberg, K.; Schamberger, T.; Smith, D.

Central Services

Computing

Central Computing Comittee

Haberl, Dr. F. (Head)

Bohnet, Dipl.-Phys. A.; Freyberg, Dr. M.; Gracia Carpio, Dr. J.; von Kienlin, Dr. A.; Müller, Dipl.-Ing. (FH) S.; Ott, Dr. T. (Deputy); Schubert, Dr. J. (since 23.4.)

Central Computing Support Group

Haberl, Dr. F. (Head)

Baumgartner, H.; Bohnet, Dipl.-Phys. A.; Kleiser, A.; Klose, L.; Kollmer, C. Oberauer, A.; Ott, Dr. T.; Paul, J.; Sigl, Dipl.-Ing. (FH) R.; Snigula, Dr. J.; Steinle, Dr. H.; Wieprecht, Dipl.-Ing. E.; Wiezorrek, Dipl.-Ing. (FH) E.

Publication Services and Copy Shop

Hauner, R.; Mayr-Ihbe, R.; Mory, B. (until 28.2.)

Library

Chmielewski, E. (Head)

Blank, E.; Hardt, C.

Administration

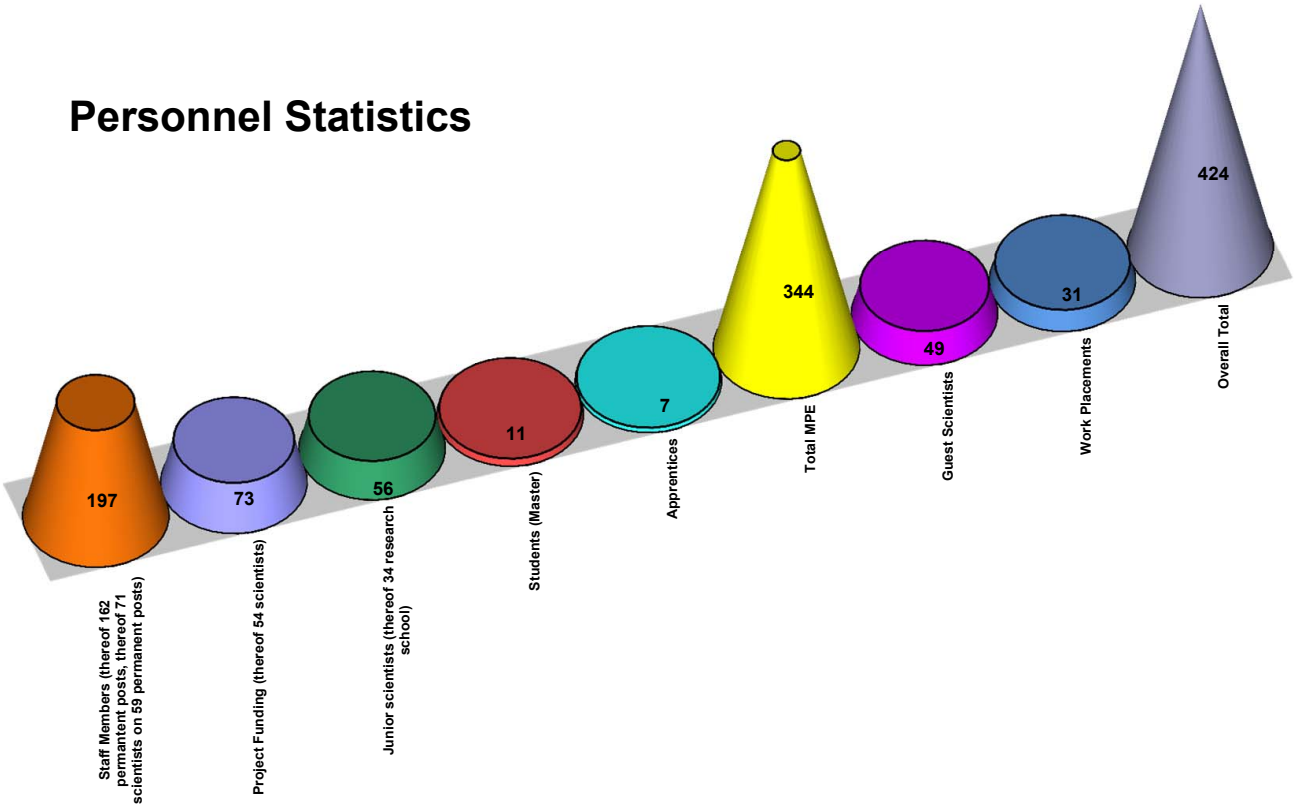
Ihle, M. (Head VAD)

Sekretariat: Kliem, V.

Altinger, C. (until 12.10.); Apold, G.; Arturo, A.; Bauernfeind, M; Bauer, T., Bitzer, U.; Cziasto, U.; Doll, E.; Eicher, C.; Ertl, M.; Goldbrunner, S.; Grasemann, M; Grohmann, M.; Gschnell, H.-P.; Hingerl, P.; Inhofer, I.; Jäkel, T.; Jirsch, Y.; Karing, W.; Keil, M.; Kestler, L.; Kuhwald, E.; Maier, E. (since 1.6.); Mayer, L.; Nagy, A.; Neun, A. (BR); Paschou, J., Peischl, M.; Preisler, C.; Reither, A.; Rochner, R.; Rossa, E.; Sandtner, P.; Scheiner, B.; Schwaiger, S.; Seyfarth, B. (since 17.3.); Steinle, R.; Thiess, L.; Vogt, J.P.

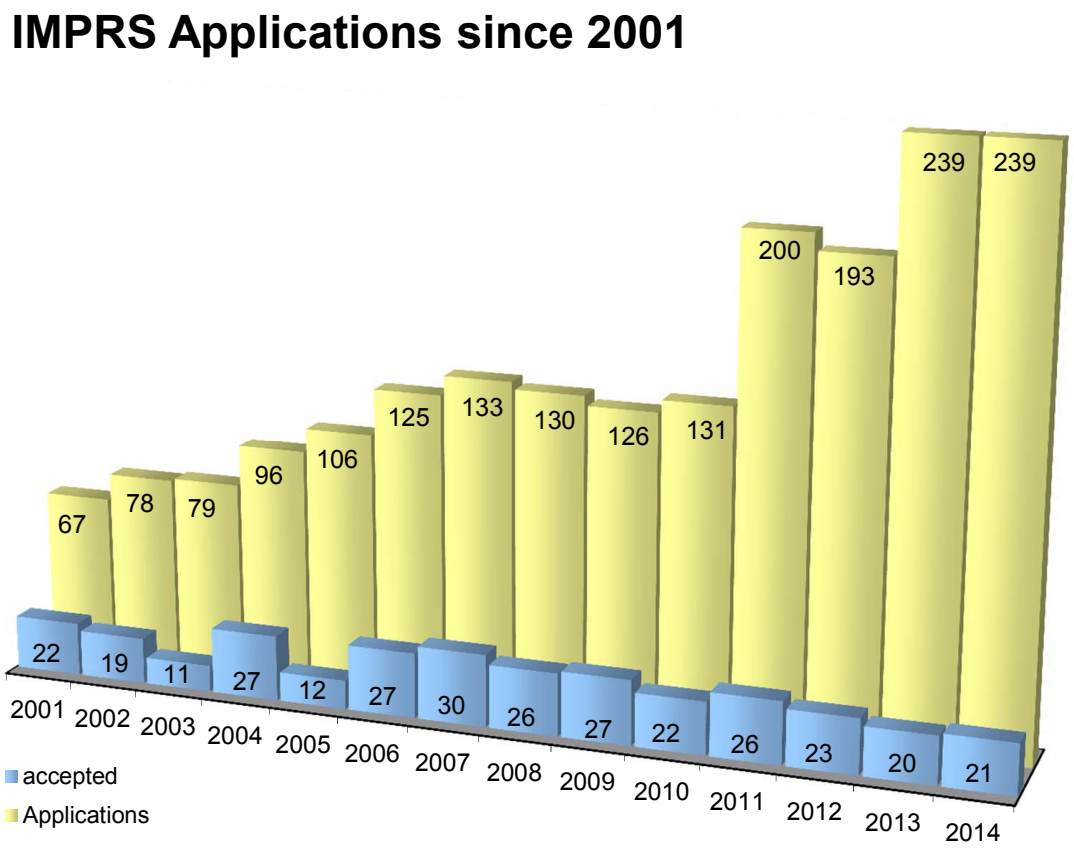
IMPRS

Schubert, V.



International Max-Planck Research School (IMPRS) for Astrophysics

The IMPRS for Astrophysics is a graduate school at the Ludwig-Maximilians-Universität (LMU) Munich. The school is a joint project of the Max-Planck-Institutes MPE and MPA (Max-Planck-Institute for Astrophysics) as well as the Observatory of LMU Munich and the European Southern Observatory ESO. In the academic year 2014 a total of 79 students took part in the program, thereof 34 at the MPE. In 2014, 239 students applied for the year 2015, 21 were accepted (up to June 2015).



Summary of annual applications for the IMPRS program in Garching. Since its start in 2001 a total of 1942 students applied, 313 were accepted.

PR Work

In 2014 the MPE engaged in following PR activities: 21 public talks by MPE scientists, 11 press releases on scientific results, 9 general news (scientific, prizes, awards), 28 guided tours through the institute (mainly scientifically oriented school classes). 15 high-school students (1 - 2 weeks) and 5 university students (4 - 8 weeks) were supervised during their internship at the MPE.

45 girls were introduced to the MPE and its science via the federal initiative "Girl's Day" in March.
More information about the PR work at the MPE can be found at:

http://www.mpe.mpg.de/2557/public-outreach

Project-Groups

(Project Manager underlined)

Infrared- and Submillimeter-Astronomy

Deputies to the Director of the Group:
Lutz, Tacconi.

ERIS
Davies, Eisenhauer, Feuchtgruber, George, Hartl, Hofmann, Plattner, Schubert, Sturm.

GRAVITY
Blind, Burtscher, Eisenhauer, Genzel, Gillessen, Haug, Haußmann, Hofmann, Janssen, Kellner, Kok, Lippa, Ott, Pfuhl, Sturm, Wieprecht, Zanker-Smith.

Herschel-PACS
Berta, Contursi, Doublier Pritchard, de Jong, Feuchtgruber, Gracia Carpio, Kleiser, Lutz, T. Müller, Osterhage, Poglitsch, Sturm, Vilenius.

KMOS
Agudo Berbel, Davies, Förster Schreiber, Wiezorrek.

LBT Argos
Barl, Davies, M. Deysenroth, Gemperlein, Orban de Xivry, Raab, Rabien, Ziegleder.

LBT LUCI
Buschkamp, Eibl, Eisenhauer, Gemperlein, Hofmann, Honsberg, Kurk, Rabien, Straube, E. Wuyts.

MICADO
Davies, Hartl, Kurk, Schubert, E. Sturm.

SPICA-SAFARI
Barl, Geis, Poglitsch, Raab, Schubert.

Galaktisches Zentrum
Dexter, Eisenhauer, Genzel, Gillessen, Habibi, Ott, Pfuhl, Plewa.

Galaxienkerne
Burtscher, Contursi, Davies, Genzel, Janssen, Lin, Lutz, Orban de Xivry, Rosario, Schnorr-Müller, Schrubba, Sturm, Tacconi.

Galaxien bei hoher Rotverschiebung
Bandara, Berta, Förster Schreiber, Genzel, Kurk, Lang, Lutz, Rosario, Sturm, Tacconi, Tadaki, Wisnioski, E. Wuyts, S. Wuyts.

Sternentstehung
Bruderer, Fedele, Karska, Miotello, Murillo, Schruba, van Dishoeck.

High-Energy Astrophysics

ATHENA/Spiegel:
Budau, Burwitz, Hartner, Menz, Passlack.

ATHENA/WFI:
Andritschke, Bähr, Bergbauer, Bianchi, Bornemann, Eder, Eraerds, Fürmetz, Hälker, Hauser, Kink, Meidinger, Nandra, S. Ott, Pietschner, Plattner, A. Rau, Schubert, S. Müller, Müller-Seidlitz, Porro, Reiffers, Strecker.

CAST
Bräuninger.

Chandra
Burwitz, Predehl.

eROSITA
Andritschke, Boller, Bornemann, Bräuninger, Brunner, Budau, Burghardt, Burwitz, Clerc, Coutinho, Dennerl, Dittrich, Eder, Eibl, Emberger, Eraerds, F. Huber, Freyberg, Friedrich, Fürmetz, Gaida, Georgakakis, Goldbrunner, Grossberger, Haberl, Hälker, Hartmann, Hartner, Hengmith, v. Kienlin, Kink, Krämer, Meidinger, Merloni, Mican, S.Müller, Nandra, Oberauer, Pfeffermann, Pietschner, Predehl, Rohé, Rupprecht, Schneider, Schreib, Schrey, Soller, Tiedeman, Yaroshenko.

ROSAT
Boller, Freyberg, Haberl.

Swift
Greiner, Schady.

XMM-Newton
Boller, Brunner, Dennerl, Freyberg, Haberl, Hartner, Meidinger, Predehl, Trümper.

Fermi
Collmar, Diehl, Greiner, v. Kienlin, A. Rau,

GROND
van Eerten, Elliot, Graham, Greiner, A. Rau, Schady, Schrey,

INTEGRAL
Diehl, v. Kienlin, X.-L. Zhang.

MXT-SVOM
Burwitz, Meidinger, Nandra, A.Rau.

OPTIMA
A. Rau, Schrey, Steinle.

4MOST
Boller, Dwelly.

Aktive Galaxien
Boller, Brightman, Buchner, Georgakakis, Merloni, Nandra, Salvato.

Clusters of Galaxies
Clerc, Sanders.

Optical and Interpretative Astronomy

DES
Bender, Saglia.

EUCLID
Bender, Galametz, Goldenbogen, Grupp, Hartung, Koppenhöfer, Penka, Piemonte, Raison, Saglia, Weiss, Wimmer.

KMOS
Bender, Galametz, Mendel, Saglia.

MICADO
Bender, Saglia, Fabricius.

PanSTARRS
Bender, Hopp, Phleps, Saglia, Farrow.

Galaxy Dynamics
Bender, Gerhard, Mazzalay, Saglia, Thomas.

Large Scale Structure
Bender, Fabricius, Farrow, Montesano, Phleps, Saglia, Sanchez.

Stellare Populationen und Galaxienentstehung
Bender, Hopp, Saglia.

Center for Astrochemical Studies

Beobachtungen
Alves de Oliveira, J. Bailey, Pineda Fornerod, Pon.

Theorie
N. Bailey, Choudhury, Hocuk, Ivlev, Sipliä, Thi, Vasyunin, Zhao.

Labor
Bizzocchi, Laas, Lattanzi

Teaching

IMPRS on Astrophysics (2014), Garching

Krause

IMPRS Advanced Course: Magnetohydronamics (SS 14)

LMU München

Becker

Endstadien der Sternentwicklung (SS 14)

Doktorandenseminar über Aktuelle Themen aus der Astrophysik (WS 13/14, SS 14, WS 14/15))

Bender

Astronomisches Kolloquium (WS 13/14, SS 14, WS 14/15)

Astrophysikalisches Grundpraktikum (WS 13/14, SS 14, WS 14/15)

Forschungsprojekt Masterarbeit, Anleitung zum wissenschaftlichenArbeiten (WS 13/14, SS 14, WS 14/15)

Grundlagen der fortgeschrittenen Astrophysik (Essential of Advanced Astrophysics), mit Saglia (WS 13/14/, SS 14, WS 14/15)

Ergänzung zur Vorlesung “Grundlagen der fortgeschrittenen Astrophysik” (WS 13/14, SS 14, WS 14/15)

Astrophysikalisches Hauptseminar theoretisch und numerisch orientiert, “Tools in modern astrophysics” (WS13/14, SS 14, WS 14/15)

Begleitendes Kolloquium zum Astrophysikalisches Hauptseminar theoretisch und numerisch orientiert (WS 13/14, SS 14, WS 14/15)

Astrophysikalisches Hauptseminar experimentell und beobachtungsorientiert, “Tools in modern astrophysics” (WS 13/14, SS 14, WS 14/15)

Begleitendes Kolloquium zum Astrophysikalisches Hauptseminar experimentell und beobachtungsorientiert (WS 13/14, SS 14, WS 14/15)

Projektseminar mit begleitendem Kolloquium “Extragalactic group seminar” (SS 14)

Projektseminar mit begleitenden Kolloquium “Gravitational lensing” (WS 13/14, SS 14)

Projektseminar mit begleitenden Kolloquium “Galaxies” (WS 13/14, SS 14, WS 14/15)

Projektseminar mit begleitenden Kolloquium aus dem Bereich experimenteller Arbeiten und Instrumentenentwicklung in der Astronomie (WS 13/14, SS 14, WS 14/15)

Projektseminar mit begleitenden Kolloquium, vorbereitendes Kolloquium zur Masterarbeit mit Tutorium, Kolloquium und Tutorium aus dem Bereich der Kosmologie, Anleitung zum Wissenschaftlichen Arbeiten (WS 13/14, SS14, WS 14/15)

Projektseminar mit begleitenden Kolloquium, vorbereitendes Kolloquium zur Masterarbeit mit Tutorium, Kolloquium und Tutorium aus dem Bereich experimenteller Arbeiten, Anleitung zum wissenschaftlichen Arbeiten (WS13/14, SS 14, WS 14/15)

Galaxies, Vorlesung (WS 14/15)

Ergänzung zur Vorlesung “Galaxies” (WS 14/15)

Gillessen

Astrophysiikalisches Seminar (WS 13/14, SS 14, WS 14/15)

Saglia

Grundlagen der fortgeschrittenen Astrophysik (Essential of Advanced Astrophysics), mit Bender (WS 13/14/, SS 14, WS 14/15)

Krause

Dynamik des Interstellaren Mediums (WS 13/14)

Probestudium (WS 14/15)

Technische Universität München

Diehl

Astrophysics Seminar "Nuclei in the Cosmos" (WS 13/14, SS 14, WS 14/15)

Observational High-Energy Astrophysics (SS 14)

Eisenhauer

Einführung in die Astrophysik (WS 13/14, WS 14/15)

High Angular Resolution Astronomy: Telescopes, Adaptive Optics, Interferometry, and more (SS 14)

Goethe-Universität Frankfurt

Boller, Th.

Vertiefung zur Vorlesung Einführung in die Astrophysik (SS 2014)

AGN-Physik (WS 14/15)

Lehrerakademie Dillingen und Kerschensteiner Kolleg

Müller, T.

Astronomie, und Kosmologie: Kleinplaneten und Sonnensystem (WS 14/15)

Physik/Astronomie: Kleinkörper im Sonnensystem (WS 14/15)

Organisation of Seminars / Conferences

The Early Life of Stellar Clusters: Formation and Dynamics, Copenhagen, Denmark, 3.-7.11.2014, Organisation: S. Dib, S. Hocuk, P. Padoan, S. P. Zwart, S. Pfalzner, B. Ercolano, I. Pelupessy, T. Haugbølle..

Exoplanet Observations with the E-ELT 2014, Garching, Germany, 3.-6.2.2014, Organisation: B, Brandl, G. Chauvin, R. Davies, A.-M. Lagrange, M. Meyer, J. Melnick, C. Melo, D. Queloz, I. Snellen, J. Spyromilio, M. Thatte.

Speed and Sensitivity: Expanding Astronomical Horizons with the E-ELT, Galway, Ireland, 13.-16.5.2014, Organisation: I. Hook, A. Shearer, V. Dhillon, A. Slowikowska, R. Mignani, R. Davies, R. Haynes, S. Ramsay.

The Unquiet Universe, Cefalu, Sicily, Italy, 3.-7.6.2014, Organisation: D. Burgarella, F. Combes, R. Davies, J. Dunlop, M. Elvis, F. Fiore, E. Giallongo, M. Haehnelt, P. Madau, E. Piconcelli, A. Grazian.

The Fate of Gas in Galaxies: AGN vs Star Formation, Durham, UK, 28.7.-1.8.2014, Organisation: D. Alexander, R. Hickox, T. Theuns, A. Alonso-Herrero, F. Bournaud, R. Davies, R. Morganti, J. Mullaney, R. Somerville.

3D2014: Gas and Stars in Galaxies: A Multiwavelength 3D Perspective, Garching, Germany, 10.-14.3.2014, Organisation: M. Bershady, M. Cappellari, F. Combes, C. De Breuck, E. Emsellem, N.M. Förster Schreiber, D. Iono, H. Kuntschner, A. Peck, S. Ramsay, B. Koribalski, M. Swinbank, J. Vernet, F. Walter, L. Wisotzki, M. Zwaan.

IAU Symposium 311 - Galaxy Masses as Constraints of Formation Models, Oxford, United Kingdom, 21.-25.7.2014, Organisation: M. Cappellari, S. Courteau, R. Bacon, J. Bland-Hawthorn, A. Brooks, K. Bundy, C. Conroy, G. De Lucia, N.M. Förster Schreiber, C. Maraston, A. Saintonge, A. Shapley, T. Treu, I. Trujillo, F. van den Bosch, S. Yi.

Star Formation Across Space and Time, ESA-ESTEC, The Netherlands, 11.-14.11.2014, Organisation: P. André, S. Eales, D. Elbaz, B. Elmegreen, N. Evans, Y. Fukui, E. Ostriker, G. Pilbratt, N. Scoville, L. Tacconi.

Revolution in Astronomy with ALMA -- The Third Year, Tokyo, Japan, 8.-11.12.2014, Organisation: P. Andreani, A. Bolatto, J. Carpenter, S. Casassus, S. Corder, P. Cox, F. Combes, T. Hasegawa, J. Hibbard, S. Iguchi, D. Iono, R. Ivison, K. Johnson, J. Kim, S.-Y. Liu, J. Martin-Pintado, R. Moreno, K. Motohara, R. Neri, L. Nyman, N. Ohashi, T. Oka, R. Plambeck, D. Scott, L. Tacconi, K. Tatematsu (Chair), L. Testi, H. van Langevelde, A. Wootten .

Superbubbles, HI holes and Supershells, Freising, Germany, 10.-12.11.2014, Organisation: M.G.H. Krause, R. Diehl, D. Breitschwerdt, E. Brinks, R.-J. Dettmar, D. Bomans, M. Sasaki.

Splinter meeting J, “The interstellar medium”, Astronomische Gesellschaft, Bamberg, Germany, 25.9.2014, Organisation: M.G.H. Krause, R. Diehl, A. Burkert, M. Gritschneder, M. Schartmann.

Water in Star-forming Regions with Herschel, Rome INAF Observatory, Frascati, Italy, 22.-24.10.2014, Organisation: E.F. van Dishoeck, B. Nisini.

Episodic accretion: Oort workshop 2014, Leiden, the Netherlands, 13.-15.5.2014, Organisation: N.J. Evans, E.F. van Dishoeck.

Dense Cores: Origins, Evolution and Collapse, Monterey, USA, 27.-30.7.2014, Organisation: S. Stahler, P.C. Myers, P. Caselli, G. Fuller, M. Tafalla.

Filamentary Structure in Molecular Clouds, NRAO Charlottesville Headquarters, Virginia, USA, 10.-11.10.2014, Organisation: F. Lo, C. Brogan, P. Caselli, N. Evans, D. Di Francesco, P. Goldsmith, M. Heyer, Z-Y Li, L. Mundy, P. Myers, E. Ostriker, J. Ott, E. Vazquez.

IAU Symposium 311: Galaxy Masses as Constraints of Formation Models, Oxford, UK, 21.-25.07.2014, Organisation: S. Aalto, L. Blitz, L. Bronfman, P. Caselli, F Combes, Y. Fukui, G. Helou, P. Ho, R. Kennicutt, C. Lonsdale, F. Walter, L. Young, M. Yun.

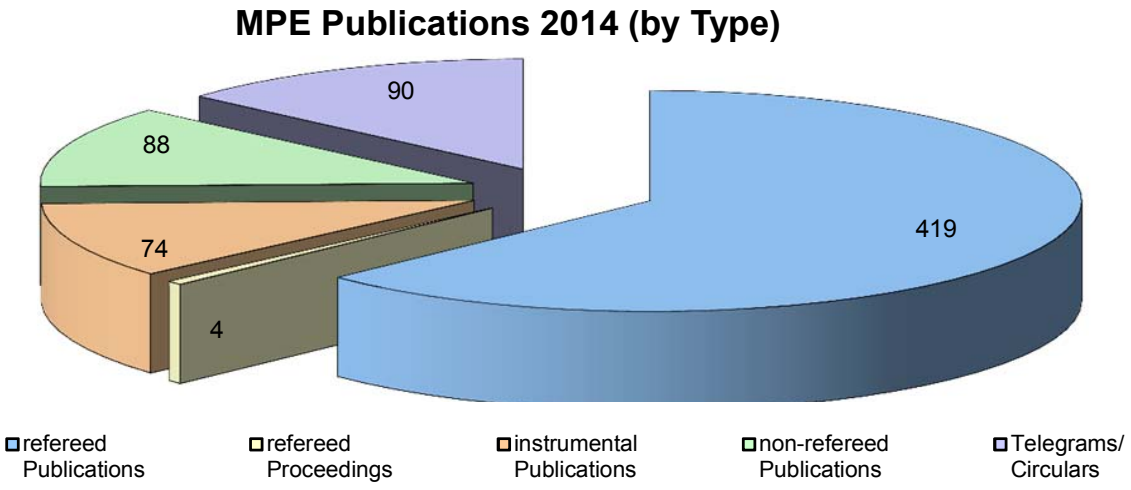
Publications

Here we present a tabular and graphical summary of our publication activities in 2014. The publications are counted by science group and publication type. The individual publications are listed consecutively.

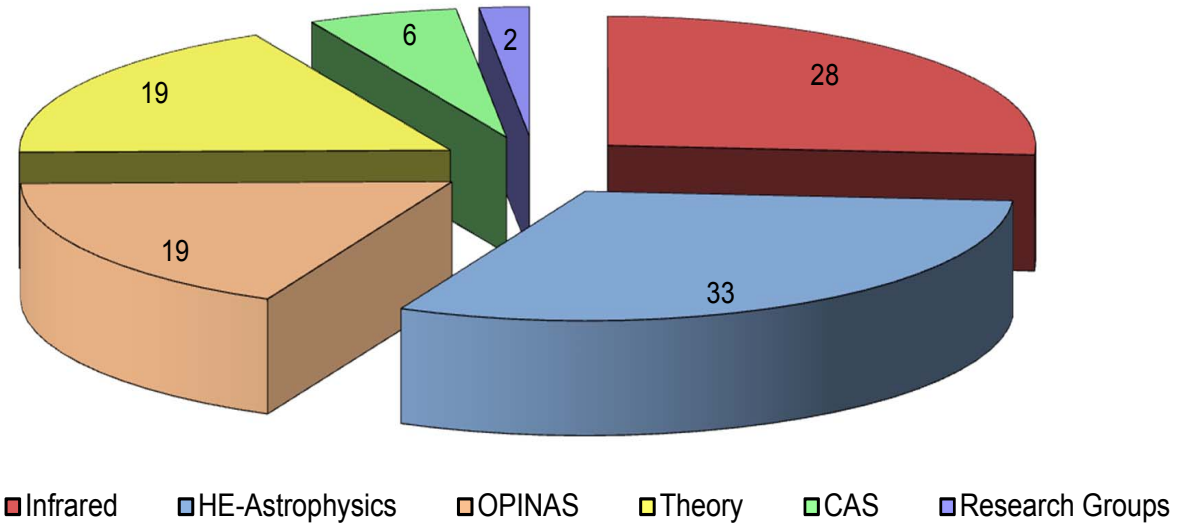
Summary of the MPE Publications in 2014

Science Group	refereed Publications	refereed Proceedings	Instrument. Publications	non-refereed Publications	Telegrams/ Circulars	Talks	Poster
IR	28 (114)	1 (1)	14 (33)	4 (18)	0 (6)	103 (150)	8
HE Astrophysics	33 (142)	3 (3)	16 (27)	21 (49)	32 (73)	56 (101)	5
OPINAS	19 (72)	0 (0)	4 (13)	6 (9)	2 (10)	23 (29)	2
CAS	6 (45)	0 (0)	0 (1)	0 (5)	0 (0)	17 (26)	5
Theory	19 (23)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	0
Res. Grp	2 (23)	0 (0)	0 (0)	3 (6)	0 (1)	0 (0)	0
Total	107 (419)	4 (4)	34 (74)	35 (88)	34 (90)	199 (306)	20

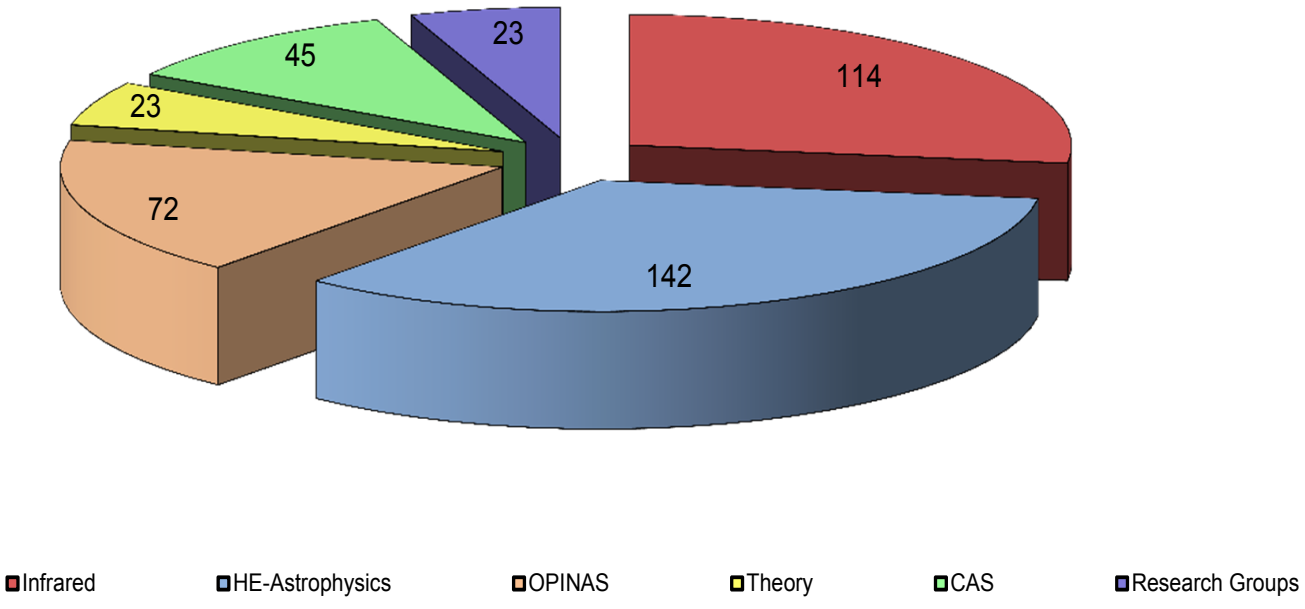
The black entries give the number of publications with a first author from MPE or invited talks, respectively. The red entries in brackets show the total number of publications with MPE contribution or talks (including the black numbers). Publications with contributions from more than one research group are counted for the group of the leading author. Posters are counted only if the first author is a MPE member.

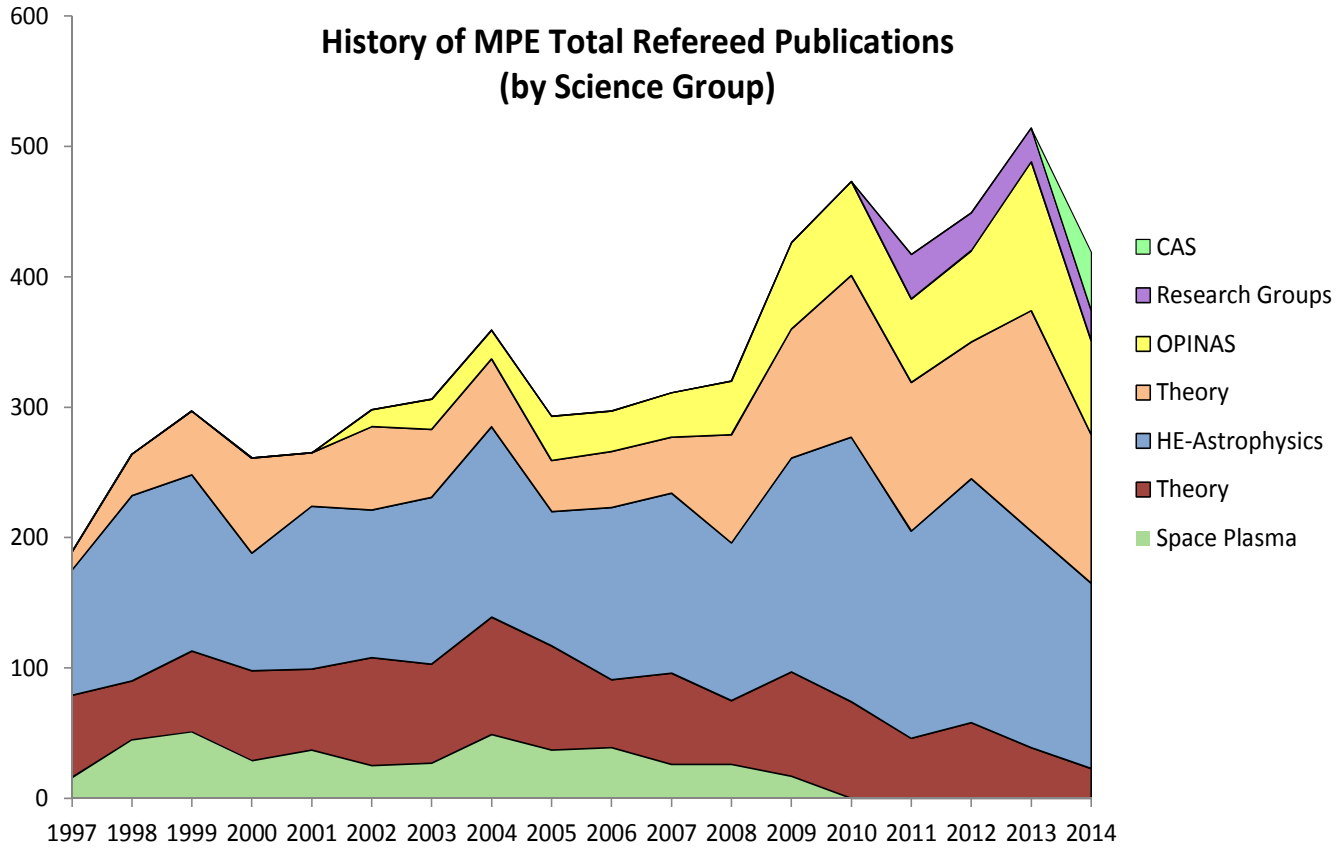


Refereed Publications with MPE first author in 2014 (by Science Group)



Total refereed MPE Publications in 2014 (by Science Group)




History of MPE Total Refereed Publications
(by Science Group)
600
500
400
300
200
100
0
1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014
CAS
Research Groups
OPINAS
Theory
HE-Astrophysics
Theory
Space Plasma

Refereed Publications

Aasi, J., B.P. Abbott, R. Abbott, ..., A. v. Kienlin: Search for Gravitational Waves Associated with γ-ray Bursts Detected by the Interplanetary Network. Phys. Rev. Lett. 113, 011102 (2014).

Achitouv, I., C. Wagner, J. Weller and Y. Rasera: Computation of the halo mass function using physical collapse parameters: application to non-standard cosmologies. J. of Cosmology and Astroparticle Phys. 10, 77 (2014).

Ackermann, M., A. Albert, W.B. Atwood, ..., A.W. Strong, et al.: The Spectrum and Morphology of the Fermi Bubbles. Ap. J. 793, 64 (2014).

Ackermann, M., M. Ajello, A. Albert, ..., A.W. Strong, et al.: Inferred Cosmic-Ray Spectrum from Fermi Large Area Telescope γ-Ray Observations of Earth's Limb. Phys. Rev. Lett. 112, 151103 (2014).

Ackermann, M., M. Ajello, A. Albert, ..., A.W. Strong, et al.: Search for Cosmic-Ray-induced Gamma-Ray Emission in Galaxy Clusters. Ap. J. 787, 18 (2014).

Ackermann, M., M. Ajello, K. Asano, ..., A. Rau, ..., A. von Kienlin, et al.: Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A. Science 343, 42-47 (2014).

Adams, J.J., J.D. Simon, M.H. Fabricius, R.C.E. van den Bosch, J.C. Barentine, R. Bender, K. Gebhardt, G.J. Hill, J.D. Murphy, R.A. Swaters, J. Thomas and G. van de Ven: Dwarf Galaxy Dark Matter Density Profiles Inferred from Stellar and Gas Kinematics. Ap. J. 789, 63 (2014).

Agarwal, B., C. Dalla Veccia, J.L. Johnson, S. Khochfar and J.-P. Paardekooper: The First Billion Years project: birthplaces of direct collapse black holes. Mon. Not. R. Astron. Soc. 443, 648-657 (2014).

Ahn, C.P., R. Alexandroff, C. Allende Prieto, S. Bailey, et al.: The Tenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Apache Point Observatory Galactic Evolution Experiment. Ap. J. Supp. Ser. 211, 17 (2014).

Ajello, M., R.W. Romani, D. Gasparrini, M.S. Shaw, J. Bolmer, G. Cotter, J. Finke, J. Greiner, S.E. Healey, O. King, W. Max-Moerbeck, P.F. Michelson, W.J. Potter, A. Rau, A.C.S. Readhead, J.L. Richards and P. Schady: The Cosmic Evolution of Fermi BL Lacertae Objects. Ap. J. 780, 73 (2014).

Alatalo, K., K. Nyland, G. Graves, S. Deustua, K. Shapiro Griffin, P.-A. Duc, M. Cappellari, R.M. McDermid, T.A. Davis, A.F. Crocker, L.M. Young, P. Chang, N. Scott, S.L. Cales, E. Bayet, L. Blitz, M. Bois, F. Bournaud, M. Bureau, R.L. Davies, P.T. de Zeeuw, E. Emsellem, S. Khochfar, D. Krajnović, H. Kuntschner, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, P. Serra and A.-M. Weijmans: NGC 1266 as a Local Candidate for Rapid Cessation of Star Formation. Ap. J. 780, 186 (2014).

Alexander, T. and O. Pfuhl: Constraining the Dark Cusp in the Galactic Center by Long-period Binaries. Ap. J. 780, 148 (2014).

Allevato, V., A. Finoguenov, F. Civano, N. Cappelluti, F. Shankar, T. Miyaji, G. Hasinger, R. Gilli, G. Zamorani, G. Lanzuisi, M. Salvato, M. Elvis, A. Comastri and J. Silverman: Clustering of Moderate Luminosity X-Ray-selected Type 1 and Type 2 AGNS at Z ~ 3. Ap. J. 796, 4 (2014).

Amorín, R., V. Sommariva, M. Castellano, A. Grazian, L.A.M. Tasca, A. Fontana, L. Pentericci, P. Cassata, B. Garilli, V. Le Brun, O. Le Fèvre, D. Maccagni, R. Thomas, E. Vanzella, G. Zamorani, E. Zucca, S. Bardelli, P. Capak, L.P. Cassará, A. Cimatti, J.G. Cuby, O. Cucciati, S. de la Torre, A. Durkalec, M. Giavalisco, N.P. Hathi, O. Ilbert, B.C. Lemaux, C. Moreau, S. Paltani, B. Ribeiro, M. Salvato, D. Schaerer, M. Scodeggio, M. Talia, Y. Taniguchi, L. Tresse, D. Vergani, P.W. Wang, S. Charlot, T. Contini, S. Fotopoulou, C. López-Sanjuan, Y. Mellier and N. Scoville: Discovering extremely compact and metal-poor, star-forming dwarf galaxies out to z ~ 0.9 in the VIMOS Ultra-Deep Survey. Astron. Astrophys. 568, L8 (2014).

Andersen, M., W.-F. Thi, J. Steinacker and N. Tothill: A common column density threshold for scattering at 3.6 μm and water-ice in molecular clouds. Astron. Astrophys. 568, L3 (2014).

Anderson, L., E. Aubourg, S. Bailey, ..., A.G. Sánchez, et al.: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring D_A and H at z = 0.57 from the baryon acoustic peak in the Data Release 9 spectroscopic Galaxy sample. Mon. Not. R. Astron. Soc. 439, 83-101 (2014).

Anderson, L., É. Aubourg, S. Bailey, ..., F. Montesano, ..., A.G. Sánchez, et al.: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. Mon. Not. R. Astron. Soc. 441, 24-62 (2014).

André, P., C. Baccigalupi, A. Banday, ..., G. Chon, et al.: PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. J. of Cosmology and Astroparticle Phys. 2, 6 (2014).

Aresu, G., I. Kamp, R. Meijerink, M. Spaans, S. Vicente, L. Podio, P. Woitke, F. Menard, W.-F. Thi, M. Güdel and A. Liebhart: [O I] disk emission in the Taurus star-forming region. Astron. Astrophys. 566, A14 (2014).

Arik, M., S. Aune, K. Barth, ..., H. Bräuninger, et al.: Search for Solar Axions by the CERN Axion Solar Telescope with He3 Buffer Gas: Closing the Hot Dark Matter Gap. Phys. Rev. Lett. 112, 091302 (2014).

Arévalo, P., F.E. Bauer, S. Puccetti, D.J. Walton, M. Koss, S.E. Boggs, W.N. Brandt, M. Brightman, F.E. Christensen, A. Comastri, W.W. Craig, F. Fuerst, P. Gandhi, B.W. Grefenstette, C.J. Hailey, F.A. Harrison, B. Luo, G. Madejski, K.K. Madsen, A. Marinucci, G. Matt, C. Saez, D. Stern, M. Stuhlinger, E. Treister, C.M. Urry and W.W. Zhang: The 2-79 keV X-Ray Spectrum of the Circinus Galaxy with NuSTAR, XMM-Newton, and Chandra: A Fully Compton-thick Active Galactic Nucleus. Ap. J. 791, 81 (2014).

Awad, Z., S. Viti, E. Bayet and P. Caselli: Deuterium chemistry of dense gas in the vicinity of low-mass and massive star-forming regions. Mon. Not. R. Astron. Soc. 443, 275-287 (2014).

Bailey, J.D.: Measuring the surface magnetic fields of magnetic stars with unresolved Zeeman splitting. Astron. Astrophys. 568, A38 (2014).

Balog, Z., T. Müller, M. Nielbock, B. Altieri, U. Klaas, J. Blommaert, H. Linz, D. Lutz, A. Moór, N. Billot, M. Sauvage and K. Okumura: The Herschel-PACS photometer calibration. Point-source flux calibration for scan maps. Experimental Astronomy 37, 129-160 (2014).

Balogh, M.L., S.L. McGee, A. Mok, D.J. Wilman, A. Finoguenov, R.G. Bower, J.S. Mulchaey, L.C. Parker and M. Tanaka: The GEEC2 spectroscopic survey of Galaxy groups at 0.8 < z < 1. Mon. Not. R. Astron. Soc. 443, 2679-2694 (2014).

Baloković, M., A. Comastri, F.A. Harrison, ..., M. Brightman, et al.: The NuSTAR View of Nearby Compton-thick Active Galactic Nuclei: The Cases of NGC 424, NGC 1320, and IC 2560. Ap. J. 794, 111 (2014).

Barentsen, G., H.J. Farnhill, J.E. Drew, ..., S. Scaringi, et al.: The second data release of the INT Photometric Hα Survey of the Northern Galactic Plane (IPHAS DR2). Mon. Not. R. Astron. Soc. 444, 3230-3257 (2014).

Barrière, N.M., J.A. Tomsick, F.K. Baganoff, S.E. Boggs, F.E. Christensen, W.W. Craig, J. Dexter, B. Grefenstette, C.J. Hailey, F.A. Harrison, et al.: NuSTAR Detection of High-energy X-Ray Emission and Rapid Variability from Sagittarius A* Flares. ApJ 786, 46 (2014).

Barro, G., S.M. Faber, P.G. Pérez-González, ..., S. Wuyts, ..., M. Salvato, et al.: CANDELS+3D-HST: Compact SFGs at z ~ 2-3, the Progenitors of the First Quiescent Galaxies. Ap. J. 791, 52 (2014).

Bassett, R., K. Glazebrook, D.B. Fisher, A.W. Green, E. Wisnioski, D. Obreschkow, E.M. Cooper, R.G. Abraham, I. Damjanov and P.J. McGregor: DYNAMO - II. Coupled stellar and ionized-gas kinematics in two low-redshift clumpy discs. Mon. Not. R. Astron. Soc. 442, 3206-3221 (2014).

Bayliss, M.B., J.R. Rigby, K. Sharon, E. Wuyts, M. Florian, M.D. Gladders, T. Johnson and M. Oguri: The Physical Conditions, Metallicity and Metal Abundance Ratios in a Highly Magnified Galaxy at z = 3.6252. Ap. J. 790, 144 (2014).

Bayliss, M.B., M.L.N. Ashby, J. Ruel, ..., J.J. Mohr, et al.: SPT-CL J2040-4451: An SZ-selected Galaxy Cluster at z = 1.478 with Significant Ongoing Star Formation. Ap. J. 794, 12 (2014).

Beifiori, A., D. Thomas, C. Maraston, O. Steele, K.L. Masters, J. Pforr, R.P. Saglia, R. Bender, R. Tojeiro, Y.-M. Chen, A. Bolton, J.R. Brownstein, J. Johansson, A. Leauthaud, R.C. Nichol, D.P. Schneider, R. Senger, R. Skibba, D. Wake, K. Pan, S. Snedden, D. Bizyaev, H. Brewington, V. Malanushenko, E. Malanushenko, D. Oravetz, A. Simmons, A. Shelden and G. Ebelke: Redshift Evolution of the Dynamical Properties of Massive Galaxies from SDSS-III/BOSS. Ap. J. 789, 92 (2014).

Bel, J., C. Marinoni, B.R. Granett, ..., S. Phleps, et al.: The VIMOS Public Extragalactic Redshift Survey (VIPERS). Omega$_{m0}$ from the galaxy clustering ratio measured at z ~ 1. Astron. Astrophys. 563, A37 (2014).

Beutler, F., S. Saito, H.-J. Seo, J. Brinkmann, K.S. Dawson, D.J. Eisenstein, A. Font-Ribera, S. Ho, C.K. McBride, F. Montesano, W.J. Percival, A.J. Ross, N.P. Ross, L. Samushia, D.J. Schlegel, A.G. Sánchez, J.L. Tinker and B.A. Weaver: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: testing gravity with redshift space distortions using the power spectrum multipoles. Mon. Not. R. Astron. Soc. 443, 1065-1089 (2014).

Beutler, F., S. Saito, J.R. Brownstein, C.-H. Chuang, A.J. Cuesta, W.J. Percival, A.J. Ross, N.P. Ross, D.P. Schneider, L. Samushia, A.G. Sánchez, H.-J. Seo, J.L. Tinker, C. Wagner and B.A. Weaver: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: signs of neutrino mass in current cosmological data sets. Mon. Not. R. Astron. Soc. 444, 3501-3516 (2014).

Birkby, J.L., M. Cappetta, P. Cruz, J. Koppenhoefer, ..., R. Saglia, et al.: WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf. Mon. Not. R. Astron. Soc. 440, 1470-1489 (2014).

Bizzocchi, L., P. Caselli, S. Spezzano and E. Leonardo: Deuterated methanol in the pre-stellar core L1544. Astron. Astrophys. 569, A27 (2014).

Bode, J.N. and C. Wegg: Production of EMRIs in supermassive black hole binaries. Mon. Not. R. Astron. Soc. 438, 573-589 (2014).

Boffin, H.M.J., M. Hillen, J.P. Berger, A. Jorissen, N. Blind, J.B. Le Bouquin, J. Mikolajewska and B. Lazareff: Roche-lobe filling factor of mass-transferring red giants: the PIONIER view. Astron. Astrophys. 564, A1 (2014).

Boissay, R., S. Paltani, G. Ponti, S. Bianchi, M. Cappi, J.S. Kaastra, P.-O. Petrucci, N. Arav, G. Branduardi-Raymont, E. Costantini, J. Ebrero, G.A. Kriss, M. Mehdipour, C. Pinto and K.C. Steenbrugge: Multiwavelength campaign on Mrk 509. XIII. Testing ionized-reflection models on Mrk 509. Astron. Astrophys. 567, A44 (2014).

Boller, T., M. Roth, R. González Felipe, A. Pérez Martínez, D. Hadijimichef and C.A. Zen Vasconcello: Editors' note. Astron. Nachr. 335, 221 (2014).

Bongiorno, A., R. Maiolino, M. Brusa, A. Marconi, E. Piconcelli, A. Lamastra, M. Cano-Díaz, A. Schulze, B. Magnelli, C. Vignali, F. Fiore, N. Menci, G. Cresci, F. La Franca and A. Merloni: The MBH -M* relation for X-ray-obscured, red QSOs at 1.2 < z < 2.6. Mon. Not. R. Astron. Soc. 443, 2077-2091 (2014).

Boselli, A., L. Cortese, M. Boquien, S. Boissier, B. Catinella, C. Lagos and A. Saintonge: Cold gas properties of the Herschel Reference Survey. II. Molecular and total gas scaling relations. Astron. Astrophys. 564, A66 (2014).

Boselli, A., L. Cortese, M. Boquien, S. Boissier, B. Catinella, G. Gavazzi, C. Lagos and A. Saintonge: Cold gas properties of the Herschel Reference Survey. III. Molecular gas stripping in cluster galaxies. Astron. Astrophys. 564, A67 (2014).

Bozzetto, L.M., P.J. Kavanagh, P. Maggi, M.D. Filipović, M. Stupar, Q.A. Parker, W.A. Reid, M. Sasaki, F. Haberl, D. Urošević, J. Dickel, R. Sturm, R. Williams, M. Ehle, R. Gruendl, Y.-H. Chu, S. Points and E.J. Crawford: Multifrequency study of a new Fe-rich supernova remnant in the Large Magellanic Cloud, MCSNR J0508-6902. Mon. Not. R. Astron. Soc. 439, 1110-1124 (2014).

Bradley, L.D., A. Zitrin, D. Coe, R. Bouwens, M. Postman, I. Balestra, C. Grillo, A. Monna, P. Rosati, S. Seitz, et al.: CLASH: A Census of Magnified Star-forming Galaxies at z ~ 6-8. Ap. J. 792, 76 (2014).

Brightman, M., K. Nandra, M. Salvato, L.-T. Hsu, J. Aird and C. Rangel: Compton thick active galactic nuclei in Chandra surveys. Mon. Not. R. Astron. Soc. 443, 1999-2017 (2014).

Brothwell, R.D., C.A. Watson, G. Hébrard, ..., V. Burwitz, et al.: A window on exoplanet dynamical histories: Rossiter-McLaughlin observations of WASP-13b and WASP-32b. Mon. Not. R. Astron. Soc. 440, 3392-3401 (2014).

Brucalassi, A., L. Pasquini, R. Saglia, M.T. Ruiz, P. Bonifacio, L.R. Bedin, K. Biazzo, C. Melo, C. Lovis and S. Randich: Three planetary companions around M 67 stars. Astron. Astrophys. 561, L9 (2014).

Bruderer, S., N. van der Marel, E.F. van Dishoeck and T.A. van Kempen: Gas structure inside dust cavities of transition disks: Ophiuchus IRS 48 observed by ALMA. Astron. Astrophys. 562, A26 (2014).

Brünken, S., O. Sipilä, E.T. Chambers, J. Harju, P. Caselli, O. Asvany, C.E. Honingh, T. Kamiński, K.M. Menten, J. Stutzki and S. Schlemmer: H_2D^+ observations give an age of at least one million years for a cloud core forming Sun-like stars. Nature 516, 219-221 (2014).

Buchner, J., A. Georgakakis, K. Nandra, L. Hsu, C. Rangel, M. Brightman, A. Merloni, M. Salvato, J. Donley and D. Kocevski: X-ray spectral modelling of the AGN obscuring region in the CDFS: Bayesian model selection and catalogue. Astron. Astrophys. 564, A125 (2014).

Buchner, J.: A statistical test for Nested Sampling algorithms. Statistics and Computing, URL:http://link.springer.com/article/10.1007/s11222-014-9512-y, (2014).

Burgess, J.M., R.D. Preece, V. Connaughton, M.S. Briggs, A. Goldstein, P.N. Bhat, J. Greiner, D. Gruber, A. Kienlin, et al.: Time-resolved Analysis of Fermi Gamma-Ray Bursts with Fast- and Slow-cooled Synchrotron Photon Models. Ap. J. 784, 17 (2014).

Béthermin, M., M. Kilbinger, E. Daddi, ..., D. Lutz, et al.: Clustering, host halos, and environment of z ~ 2 galaxies as a function of their physical properties. Astron. Astrophys. 567, A103 (2014).

Böhringer, H., G. Chon and C.A. Collins: The extended ROSAT-ESO Flux Limited X-ray Galaxy Cluster Survey (REFLEX II). IV. X-ray luminosity function and first constraints on cosmological parameters. Astron. Astrophys. 570, A31 (2014).

Canning, R.E.A., J.E. Ryon, J.S. Gallagher, R. Kotulla, R.W. O'Connell, A.C. Fabian, R.M. Johnstone, C.J. Conselice, A. Hicks, D. Rosario and R.F.G. Wyse: Filamentary star formation in NGC 1275. Mon. Not. R. Astron. Soc. 444, 336-349 (2014).

Carmona, A., C. Pinte, W.F. Thi, M. Benisty, F. Ménard, C. Grady, I. Kamp, P. Woitke, J. Olofsson, A. Roberge, S. Brittain, G. Duchêne, G. Meeus, C. Martin-Zaïdi, B. Dent, J.B. Le Bouquin and J.P. Berger: Constraining the structure of the transition disk HD 135344B (SAO 206462) by simultaneous modeling of multiwavelength gas and dust observations. Astron. Astrophys. 567, A51 (2014).

Ceccarelli, C., C. Dominik, A. López-Sepulcre, M. Kama, M. Padovani, E. Caux and P. Caselli: Herschel Finds Evidence for Stellar Wind Particles in a Protostellar Envelope: Is This What Happened to the Young Sun?. Ap. J. Lett. 790, L1 (2014).

Charbonnel, C., W. Chantereau, M. Krause, F. Primas and Y. Wang: Are there any first-generation stars in globular clusters today?. Astron. Astrophys. 569, L6 (2014).

Chen, J.-H., P.F. Goldsmith, S. Viti, R. Snell, D.C. Lis, A. Benz, E. Bergin, J. Black, P. Caselli, P. Encrenaz, E. Falgarone, J.R. Goicoechea, Å. Hjalmarson, D. Hollenbach, M. Kaufman, G. Melnick, D. Neufeld, L. Pagani, F. van der Tak, E. van Dishoeck and U.A. Yíldíz: Herschel HIFI Observations of O_2 toward Orion: Special Conditions for Shock Enhanced Emission. Ap. J. 793, 111 (2014).

Chitsazzadeh, S., J. Di Francesco, S. Schnee, R.K. Friesen, Y. Shimajiri, G.I. Langston, S.I. Sadavoy, T.L. Bourke, E.R. Keto, J.E. Pineda, S. Takakuwa and K. Tatematsu: Physical and Chemical Characteristics of L1689-SMM16, an Oscillating Prestellar Core in Ophiuchus. Ap. J. 790, 129 (2014).

Chon, G., H. Böhringer, C.A. Collins and M. Krause: Characterising superclusters with the galaxy cluster distribution. Astron. Astrophys. 567, A144 (2014).

Choquet, É., J. Menu, G. Perrin, F. Cassaing, S. Lacour and F. Eisenhauer: Comparison of fringe-tracking algorithms for single-mode near-infrared long-baseline interferometers. Astron. Astrophys. 569, A2 (2014).

Cicone, C., R. Maiolino, E. Sturm, J. Graciá-Carpio, C. Feruglio, R. Neri, S. Aalto, R. Davies, F. Fiore, J. Fischer, S. García-Burillo, E. González-Alfonso, S. Hailey-Dunsheath, E. Piconcelli and S. Veilleux: Massive molecular outflows and evidence for AGN feedback from CO observations. Astron. Astrophys. 562, A21 (2014).

Clavel, M., S. Soldi, R. Terrier, V. Tatischeff, G. Maurin, G. Ponti, A. Goldwurm and A. Decourchelle: Variation of the X-ray non-thermal emission in the Arches cloud. Mon. Not. R. Astron. Soc. 443, L129-L133 (2014).

Clerc, N., C. Adami, M. Lieu, B. Maughan, F. Pacaud, M. Pierre, T. Sadibekova, G.P. Smith, P. Valageas, B. Altieri, C. Benoist, S. Maurogordato and J.P. Willis: The XMM-LSS survey: the Class 1 cluster sample over the extended 11 deg^2 and its spatial distribution. Mon. Not. R. Astron. Soc. 444, 2723-2753 (2014).

Cole, D.R., V.P. Debattista, P. Erwin, S.W.F. Earp and R. Roškar: The formation of stellar nuclear discs in bar-induced gas inflows. Mon. Not. R. Astron. Soc. 445, 3352-3369 (2014).

Collmar, W. and S. Zhang: LS 5039 - the counterpart of the unidentified MeV source GRO J1823-12. Astron. Astrophys. 565, A38 (2014).

Combes, F., S. García-Burillo, V. Casasola, L.K. Hunt, M. Krips, A.J. Baker, F. Boone, A. Eckart, I. Marquez, R. Neri, E. Schinnerer and L.J. Tacconi: ALMA reveals the feeding of the Seyfert 1 nucleus in NGC 1566. Astron. Astrophys. 565, A97 (2014).

Connolly, S.D., I.M. McHardy and T. Dwelly: Long-term wind-driven X-ray spectral variability of NGC 1365 with Swift. Mon. Not. R. Astron. Soc. 440, 3503-3510 (2014).

Cooke, E.A., N.A. Hatch, S.I. Muldrew, E.E. Rigby and J.D. Kurk: A z = 2.5 protocluster associated with the radio galaxy MRC 2104-242: star formation and differing mass functions in dense environments. Mon. Not. R. Astron. Soc. 440, 3262-3274 (2014).

Couëdel, L., S. Zhdanov, V. Nosenko, A.V. Ivlev, H.M. Thomas and G.E. Morfill: Synchronization of particle motion induced by mode coupling in a two-dimensional plasma crystal. Physical Review E 89, 053108 (2014).

Coutens, A., J.K. Jørgensen, M.V. Persson, E.F. van Dishoeck, C. Vastel and V. Taquet: High D_2O/HDO Ratio in the Inner Regions of the Low-mass Protostar NGC 1333 IRAS2A. Ap. J. Lett. 792, L5 (2014).

Crawford, E.J., M.D. Filipović, R.L. McEntaffer, T. Brantseg, K. Heitritter, Q. Roper, F. Haberl and D. Urošević: HFPK 334: An Unusual Supernova Remnant in the Small Magellanic Cloud. Astron. J. 148, 99 (2014).

Crawford, T.M., K.K. Schaffer, S. Bhattacharya, ..., J.J. Mohr, et al.: A Measurement of the Secondary-CMB and Millimeter-wave-foreground Bispectrum using 800 deg^2 of South Pole Telescope Data. Ap. J. 784, 143 (2014).

Cucciati, O., G. Zamorani, B.C. Lemaux, ..., M. Salvato, et al.: Discovery of a rich proto-cluster at z = 2.9 and associated diffuse cold gas in the VIMOS Ultra-Deep Survey (VUDS). Astron. Astrophys. 570, A16 (2014).

Cyganowski, C.J., C.L. Brogan, T.R. Hunter, D. Graninger, K.I. Öberg, A. Vasyunin, Q. Zhang, R. Friesen and S. Schnee: G11.92-0.61-MM2: A Bonafide Massive Prestellar Core?. Ap. J. Lett. 796, L2 (2014).

D'Elia, V., J.P.U. Fynbo, P. Goldoni, ..., S. Savaglio, et al.: VLT/X-shooter spectroscopy of the GRB 120327A afterglow. Astron. Astrophys. 564, A38 (2014).

Dannerbauer, H., J.D. Kurk, C. de Breuck, D. Wylezalek, J.S. Santos, Y. Koyama, N. Seymour, M. Tanaka, N. Hatch, B. Altieri, D. Coia, A. Galametz, T. Kodama, G. Miley, H. Röttgering, M. Sanchez-Portal, I. Valtchanov, B. Venemans and B. Ziegler: An excess of dusty starbursts related to the Spiderweb galaxy. Astron. Astrophys. 570, A55 (2014).

Davies, R.I., W. Maciejewski, E.K.S. Hicks, E. Emsellem, P. Erwin, L. Burtscher, G. Dumas, M. Lin, M.A. Malkan, F. Müller-Sánchez, G. Orban de Xivry, D.J. Rosario, A. Schnorr-Müller and A. Tran: Fueling Active Galactic Nuclei. II. Spatially Resolved Molecular Inflows and Outflows. Ap. J. 792, 101 (2014).

Davis, A.J., S. Khochfar and C. Dalla Veccia: The First Billion Years project: dark matter haloes going from contraction to expansion and back again. Mon. Not. R. Astron. Soc. 443, 985-1001 (2014).

Davis, T.A., L.M. Young, A.F. Crocker, ..., S. Khochfar, ..., R. Morganti, et al.: The ATLAS3D Project - XXVIII. Dynamically driven star formation suppression in early-type galaxies. Mon. Not. R. Astron. Soc. 444, 3427-3445 (2014).

Davison, C.L., R.J. White, W.-C. Jao, T.J. Henry, J.I. Bailey, S.N. Quinn, J.R. Cantrell, A.R. Riedel, J.P. Subasavage, J.G. Winters and C.J. Crockett: The Closest M-dwarf Quadruple System to the Sun. Astron. J. 147, 26 (2014).

De Breuck, C., R.J. Williams, M. Swinbank, P. Caselli, K. Coppin, T.A. Davis, R. Maiolino, T. Nagao, I. Smail, F. Walter, A. Weiß and M.A. Zwaan: ALMA resolves turbulent, rotating [CII] emission in a young starburst galaxy at z = 4.8. Astron. Astrophys. 565, A59 (2014).

Degenaar, N., R. Wijnands, M.T. Reynolds, J.M. Miller, D. Altamirano, J. Kennea, N. Gehrels, D. Haggard and G. Ponti: The Peculiar Galactic Center Neutron Star X-Ray Binary XMM J174457-2850.3. Ap. J. 792, 109 (2014).

De Horta, A.Y., E.R. Sommer, M.D. Filipović, A. O'Brien, L.M. Bozzetto, J.D. Collier, G.F. Wong, E.J. Crawford, N.F.H. Tothill, P. Maggi and F. Haberl: Multi-frequency Observations of a Superbubble in the LMC: The Case of LHA 120-N 70. Astron. J. 147, 162 (2014).

Dekel, A. and A. Burkert: Wet disc contraction to galactic blue nuggets and quenching to red nuggets. Mon. Not. R. Astron. Soc. 438, 1870-1879 (2014).

Delvecchio, I., C. Gruppioni, F. Pozzi, S. Berta, G. Zamorani, A. Cimatti, D. Lutz, D. Scott, C. Vignali, G. Cresci, A. Feltre, A. Cooray, M. Vaccari, J. Fritz, E. Le Floc'h, B. Magnelli, P. Popesso, S. Oliver, J. Bock, M. Carollo, T. Contini, O. Le Févre, S. Lilly, V. Mainieri, A. Renzini and M. Scodeggio: Tracing the cosmic growth of supermassive black holes to z ~ 3 with Herschel. Mon. Not. R. Astron. Soc. 439, 2736-2754 (2014).

den Brok, M., R.F. Peletier, A. Seth, ..., P. Erwin, et al.: The HST/ACS Coma Cluster Survey - X. Nuclear star clusters in low-mass early-type galaxies: scaling relations. Mon. Not. R. Astron. Soc. 445, 2385-2403 (2014).

Dexter, J. and O. Blaes: A model of the steep power-law spectra and high-frequency quasi-periodic oscillations in luminous black hole X-ray binaries. MNRAS 438, 3352 (2014).

Dexter, J. and R.M. O'Leary: The Peculiar Pulsar Population of the Central Parsec. ApJL 783, 7 (2014).

Dexter, J., J.C. McKinney, S. Markoff and A. Tchekhovskoy: Transient jet formation and state transitions from large-scale magnetic reconnection in black hole accretion discs. MNRAS 440, 2185 (2014).

Dexter, J.; B. Kelly, G.C. Bower, D.P. Marrone, J. Stone and R. Plambeck: An 8 h characteristic time-scale in submillimetre light curves of Sagittarius A*. MNRAS 442, 2797 (2014).

Diehl, R., T. Siegert, W. Hillebrandt, S.A. Grebenev, J. Greiner, M. Krause, M. Kromer, K. Maeda, F. Röpke and S. Taubenberger: Early ^{56}Ni decay gamma rays from

SN2014J suggest an unusual explosion. Science 345, 1162-1165 (2014).

Domínguez Sánchez, H., A. Bongiovanni, M.A. Lara-López, I. Oteo, J. Cepa, A.M. Pérez García, M. Sánchez-Portal, A. Ederoclite, D. Lutz, G. Cresci, I. Delvecchio, S. Berta, B. Magnelli, P. Popesso, F. Pozzi and L. Riguccini: Herschel far-IR counterparts of SDSS galaxies: analysis of commonly used star formation rate estimates. Mon. Not. R. Astron. Soc. 441, 2-23 (2014).

Drozdovskaya, M.N., C. Walsh, R. Visser, D. Harsono and E.F. van Dishoeck: Methanol along the path from envelope to protoplanetary disc. Mon. Not. R. Astron. Soc. 445, 913-929 (2014).

Du, C.-R., V. Nosenko, S. Zhdanov, H.M. Thomas and G.E. Morfill: Channeling of particles and associated anomalous transport in a two-dimensional complex plasma crystal. Physical Review E 89, 021101 (2014).

Duffard, R., N. Pinilla-Alonso, P. Santos-Sanz, E. Vilenius, J.L. Ortiz, T. Müller, S. Fornasier, E. Lellouch, M. Mommert, A. Pal, C. Kiss, M. Mueller, J. Stansberry, A. Delsanti, N. Peixinho and D. Trilling: "TNOs are Cool": A survey of the trans-Neptunian region. XI. A Herschel-PACS view of 16 Centaurs. Astron. Astrophys. 564, A92 (2014).

Efstathiou, A., C. Pearson, D. Farrah, D. Rigopoulou, J. Graciá-Carpio, A. Verma, H.W.W. Spoon, J. Afonso, J. Bernard-Salas, D.L. Clements, A. Cooray, D. Cormier, M. Etxaluze, J. Fischer, E. González-Alfonso, P. Hurley, V. Lebouteiller, S.J. Oliver, M. Rowan-Robinson and E. Sturm: Herschel observations and a model for IRAS 08572+3915: a candidate for the most luminous infrared galaxy in the local (z < 0.2) Universe. Mon. Not. R. Astron. Soc. 437, L16-L20 (2014).

Elliott, J., H.-F. Yu, S. Schmidl, J. Greiner, D. Gruber, S. Oates, S. Kobayashi, B. Zhang, J.R. Cummings, R. Filgas, N. Gehrels, D. Grupe, D.A. Kann, S. Klose, T. Krühler, A. Nicuesa Guelbenzu, A. Rau, A. Rossi, M. Siegel, P. Schady, V. Sudilovsky, M. Tanga and K. Varela: Prompt emission of GRB 121217A from gamma-rays to the near-infrared. Astron. Astrophys. 562, A100 (2014).

Erfanianfar, G., P. Popesso, A. Finoguenov, S. Wuyts, D. Wilman, A. Biviano, F. Ziparo, M. Salvato, K. Nandra, D. Lutz, D. Elbaz, M. Dickinson, M. Tanaka, M. Mirkazemi, M.L. Balogh, M.B. Altieri, H. Aussel, F. Bauer, S. Berta, R.M. Bielby, N. Brandt, N. Cappelluti, A. Cimatti, M. Cooper, D. Fadda, O. Ilbert, E. Le Floch, B. Magnelli, J.S. Mulchaey, R. Nordon, J.A. Newman, A. Poglitsch and F. Pozzi: The evolution of star formation activity in galaxy groups. Mon. Not. R. Astron. Soc. 445, 2725-2745 (2014).

Ertel, S., O. Absil, D. Defrère, J.-B. Le Bouquin, J.-C. Augereau, L. Marion, N. Blind, A. Bonsor, G. Bryden, J. Lebreton and J. Milli: A near-infrared interferometric survey of debris-disk stars. IV. An unbiased sample of 92 southern stars observed in H band with VLTI/PIONIER. Astron. Astrophys. 570, A128 (2014).

Fabiani, S., E. Costa, E. Del Monte, F. Muleri, P. Soffitta, A. Rubini, R. Bellazzini, A. Brez, L. de Ruvo, M. Minuti, M. Pinchera, C. Sgró, G. Spandre, D. Spiga, G. Tagliaferri, G. Pareschi, S. Basso, O. Citterio, V. Burwitz, W. Burkert, B. Menz and G. Hartner: The Imaging Properties of the Gas Pixel Detector as a Focal Plane Polarimeter. Ap. J. Supp. Ser. 212, 25 (2014).

Fabricius, M.H., E. Noyola, S. Rukdee, R.P. Saglia, R. Bender, U. Hopp, J. Thomas, M. Opitsch and M.J. Williams: Central Rotations of Milky Way Globular Clusters. Ap. J. Lett. 787, L26 (2014).

Fabricius, M.H., L. Coccato, R. Bender, N. Drory, C. Gössl, M. Landriau, R.P. Saglia, J. Thomas and M.J. Williams: Regrowth of stellar discs in mature galaxies: the two-component nature of NGC 7217 revisited with VIRUS-W. Mon. Not. R. Astron. Soc. 441, 2212-2229 (2014).

Fang, M., A. Sicilia-Aguilar, V. Roccatagliata, D. Fedele, T. Henning, C. Eiroa and A. Müller: GW Orionis: Inner disk readjustments in a triple system. Astron. Astrophys. 570, A118 (2014).

Fassbender, R., A. Nastasi, J.S. Santos, C. Lidman, M. Verdugo, Y. Koyama, P. Rosati, D. Pierini, N. Padilla, A.D. Romeo, N. Menci, A. Bongiorno, M. Castellano, P. Cerulo, A. Fontana, A. Galametz, A. Grazian, A. Lamastra, L. Pentericci, V. Sommariva, V. Strazzullo, R. Šuhada and P. Tozzi: Galaxy population properties of the massive X-ray luminous galaxy cluster XDCP J0044.0-2033 at z = 1.58. Red-sequence formation, massive galaxy assembly, and central star formation activity. Astron. Astrophys. 568, A5 (2014).

Feruglio, C., A. Bongiorno, F. Fiore, M. Krips, M. Brusa, E. Daddi, I. Gavignaud, R. Maiolino, E. Piconcelli, M. Sargent, C. Vignali and L. Zappacosta: Gas reservoir of a hyper-luminous quasar at z = 2.6. Astron. Astrophys. 565, A91 (2014).

Fisher, D.B., K. Glazebrook, A. Bolatto, D. Obreschkow, E. Mentuch Cooper, E. Wisnioski, R. Bassett, R.G. Abraham, I. Damjanov, A. Green and P. McGregor: Extreme Gas Fractions in Clumpy, Turbulent Disk Galaxies at z ~ 0.1. Ap. J. Lett. 790, L30 (2014).

Fitzpatrick, G., E. Cramer, S. McBreen, M.S. Briggs, S. Foley, D. Tierney, V.L. Chaplin, V. Connaughton, M. Stanbro, S. Xiong, J. Dwyer, G.J. Fishman, O.J. Roberts and A. von Kienlin: Compton scattering in terrestrial gamma-ray flashes detected with the Fermi gamma-ray burst monitor. Physical Review D 90, 043008 (2014).

Folatelli, G., M.C. Bersten, H. Kuncarayakti, F. Olivares Estay, J.P. Anderson, S. Holmbo, K. Maeda, N. Morrell, K. Nomoto, G. Pignata, M. Stritzinger, C. Contreras, F. Förster, M. Hamuy, M.M. Phillips, J.L. Prieto, S. Valenti, P. Afonso, K. Altenmüller, J. Elliott, J. Greiner, A. Updike, J.B. Haislip, A.P. La Cluyze, J.P. Moore and D.E. Reichart: Supernova 2010as: The Lowest-velocity Member of a Family of Flat-velocity Type IIb Supernovae. Ap. J. 792, 7 (2014).

Foley, S., G. Fitzpatrick, M.S. Briggs, V. Connaughton, D. Tierney, S. McBreen, J.R. Dwyer, V.L. Chaplin, P.N. Bhat, D. Bhat, E. Cramer, G.J. Fishman, S. Xiong, J. Greiner, R.M. Kippen, C.A. Meegan, W.S. Paciesas, R.D. Preece, A. Kienlin, C. Wilson-Hodge: Pulse properties of terrestrial gamma-ray flashes detected by the Fermi Gamma-Ray Burst Monitor. J. Geophys. Res. (Space Physics), 119, Issue 7 5931-5942 (2014).

Fontana, A., J.S. Dunlop, D. Paris, ..., A. Galametz, ..., S. Wuyts, ..., D. Rosario, et al.: The Hawk-I UDS and GOODS Survey (HUGS): survey design and deep K-band number counts.. Astron. Astrophys. 570, 11-23 (2014).

Fontani, F., A. Palau, P. Caselli, Á. Sánchez-Monge, M.J. Butler, J.C. Tan, I. Jiménez-Serra, G. Busquet, S. Leurini and M. Audard: Deuteration as an evolutionary tracer in massive-star formation (Corrigendum). Astron. Astrophys. 562, C1 (2014).

Forbes, J.C., M.R. Krumholz, A. Burkert and A. Dekel: Balance among gravitational instability, star formation and accretion determines the structure and evolution of disc galaxies. Mon. Not. R. Astron. Soc. 438, 1552-1576 (2014).

Forbes, J.C., M.R. Krumholz, A. Burkert and A. Dekel: On the origin of the fundamental metallicity relation and the scatter in galaxy scaling relations. Mon. Not. R. Astron. Soc. 443, 168-185 (2014).

Friesen, R.K., J. Di Francesco, T.L. Bourke, P. Caselli, J.K. Jørgensen, J.E. Pineda and M. Wong: Revealing H_2D^+ Depletion and Compact Structure in Starless and Protostellar Cores with ALMA. Ap. J. 797, 27 (2014).

Fritz, A., M. Scodeggio, O. Ilbert, ..., S. Phleps, et al.: The VIMOS Public Extragalactic Redshift Survey (VIPERS): A quiescent formation of massive red-sequence galaxies over the past 9 Gyr. Astron. Astrophys. 563, A92 (2014).

Fuente, A., J. Cernicharo, P. Caselli, C. McCoey, D. Johnstone, M. Fich, T. van Kempen, A. Palau, U.A. Yíldíz, B. Tercero and A. López: The hot core towards the intermediate-mass protostar NGC 7129 FIRS 2. Chemical similarities with Orion KL. Astron. Astrophys. 568, A65 (2014).

Fumagalli, M., I. Labbé, S.G. Patel, ..., N.M. Förster Schreiber, M. Kriek, R. Quadri, H.-W. Rix, D. Wake, K.E. Whitaker, B. Lundgren, D. Marchesini, M. Maseda, I. Momcheva, E. Nelson, C. Pacifici, R. E. Skelton: How Dead are Dead Galaxies? Mid-infrared Fluxes of Quiescent Galaxies at Redshift 0.3 < z < 2.5: Implications for Star Formation Rates and Dust Heating. Ap. J. 796 (2014).

Fynbo, J.P.U., T. Krühler, K. Leighly, ..., J. Greiner, ..., F. Knust, ..., P. Schady, et al.: The mysterious optical afterglow spectrum of GRB 140506A at z = 0.889. Astron. Astrophys. 572, A12 (2014).

Förster Schreiber, N.M., R. Genzel, S.F. Newman, J.D. Kurk, D. Lutz, L.J. Tacconi, S. Wuyts, K. Bandara, A. Burkert, P. Buschkamp, C.M. Carollo, G. Cresci, E. Daddi, R. Davies, F. Eisenhauer, E.K.S. Hicks, P. Lang, S.J. Lilly, V. Mainieri, C. Mancini, T. Naab, Y. Peng, A. Renzini, D. Rosario, K. Shapiro Griffin, A.E. Shapley, A. Sternberg, S. Tacchella, D. Vergani, E. Wisnioski, E. Wuyts and G. Zamorani: The Sins/zC-Sinf Survey of z ~ 2 Galaxy Kinematics: Evidence for Powerful Active Galactic Nucleus-Driven Nuclear Outflows in Massive Star-Forming Galaxies. Ap. J. 787, 38 (2014).

Gandhi, P., G.B. Lansbury, D.M. Alexander, ..., M. Brightman, et al.: NuSTAR Unveils a Compton-thick Type 2 Quasar in Mrk 34. Ap. J. 792, 117 (2014).

García-Burillo, S., F. Combes, A. Usero, ..., L.J. Tacconi, et al.: Molecular line emission in NGC 1068 imaged with ALMA. I. An AGN-driven outflow in the dense molecular gas. Astron. Astrophys. 567, A125 (2014).

Garilli, B., L. Guzzo, M. Scodeggio, ..., S. Phleps, et al.: The VIMOS Public Extragalactic Survey (VIPERS). First Data Release of 57 204 spectroscopic measurements. Astron. Astrophys. 562, A23 (2014).

Garufi, A., L. Podio, I. Kamp, F. Ménard, S. Brittain, C. Eiroa, B. Montesinos, M. Alonso-Martínez, W.F. Thi and P. Woitke: The protoplanetary disk of FT Tauri: multiwavelength data analysis and modeling. Astron. Astrophys. 567, A141 (2014).

Genzel, R., N.M. Förster Schreiber, D. Rosario, P. Lang, D. Lutz, E. Wisnioski, E. Wuyts, S. Wuyts, K. Bandara, R. Bender, S. Berta, J. Kurk, J.T. Mendel, L.J. Tacconi, D. Wilman, A. Beifiori, G. Brammer, A. Burkert, P. Buschkamp, J. Chan, C.M. Carollo, R. Davies, F. Eisenhauer, M. Fabricius, M. Fossati, M. Kriek, S. Kulkarni, S.J. Lilly, C. Mancini, I. Momcheva, T. Naab, E.J. Nelson, A. Renzini, R. Saglia, R.M. Sharples, A. Sternberg, S. Tacchella and P. van Dokkum: Evidence for Wide-spread Active Galactic Nucleus-driven Outflows in the Most Massive z ~ 1-2 Star-forming Galaxies. Ap. J. 796, 7 (2014).

Genzel, R., N.M. Förster Schreiber, P. Lang, S. Tacchella, L.J. Tacconi, S. Wuyts, K. Bandara, A. Burkert, P. Buschkamp, C.M. Carollo, G. Cresci, R. Davies, F. Eisenhauer, E.K.S. Hicks, J. Kurk, S.J. Lilly, D. Lutz, C. Mancini, T. Naab, S. Newman, Y. Peng, A. Renzini, K. Shapiro Griffin, A. Sternberg, D. Vergani, E. Wisnioski, E. Wuyts and G. Zamorani: The SINS/zC-SINF Survey of z ~ 2 Galaxy Kinematics: Evidence for Gravitational Quenching. Ap. J. 785, 75 (2014).

Georgakakis, A., G. Mountrichas, M. Salvato, D. Rosario, P.G. Pérez-González, D. Lutz, K. Nandra, A. Coil, M.C. Cooper, J.A. Newman, S. Berta, B. Magnelli, P. Popesso and F. Pozzi: Large-scale clustering measurements with photometric redshifts: comparing the dark matter haloes of X-ray AGN, star-forming and passive galaxies at z ~ 1. Mon. Not. R. Astron. Soc. 443, 3327-3340 (2014).

Georgakakis, A., P.G. Pérez-González, N. Fanidakis, M. Salvato, J. Aird, H. Messias, J.M. Lotz, G. Barro, L.-T. Hsu, K. Nandra, D. Rosario, M.C. Cooper, D.D. Kocevski and J.A. Newman: Investigating evidence for different black hole accretion modes since redshift z ~ 1. Mon. Not. R. Astron. Soc. 440, 339-352 (2014).

Giannantonio, T., A.J. Ross, W.J. Percival, R. Crittenden, D. Bacher, M. Kilbinger, R. Nichol and J. Weller: Improved primordial non-Gaussianity constraints from measurements of galaxy clustering and the integrated Sachs-Wolfe effect. Physical Review D 89, 023511 (2014).

Gilli, R., C. Norman, C. Vignali, ..., M. Brusa, et al.: ALMA reveals a warm and compact starburst around a heavily obscured supermassive black hole at z = 4.75. Astron. Astrophys. 562, A67 (2014).

González-Alfonso, E., J. Fischer, J. Graciá-Carpio, N. Falstad, E. Sturm, M. Meléndez, H.W.W. Spoon, A. Verma, R.I. Davies, D. Lutz, S. Aalto, E. Polisensky, A. Poglitsch, S. Veilleux and A. Contursi: The Mrk 231 molecular outflow as seen in OH. Astron. Astrophys. 561, A27 (2014).

Goodman, A.A., J. Alves, C.N. Beaumont, R.A. Benjamin, M.A. Borkin, A. Burkert, T.M. Dame, J. Jackson, J. Kauffmann, T. Robitaille and R.J. Smith: The Bones of the Milky Way. Ap. J. 797, 53 (2014).

Gozaliasl, G., A. Finoguenov, H.G. Khosroshahi, M. Mirkazemi, M. Salvato, D.M.Z. Jassur, G. Erfanianfar, P. Popesso, M. Tanaka, M. Lerchster, J.P. Kneib, H.J. McCracken, Y. Mellier, E. Egami, M.J. Pereira, F. Brimioulle, T. Erben and S. Seitz: Mining the gap: evolution of the magnitude gap in X-ray galaxy groups from the 3-square-degree XMM coverage of CFHTLS. Astron. Astrophys. 566, A140 (2014).

Graninger, D.M., E. Herbst, K.I. Öberg and A.I. Vasyunin: The HNC/HCN Ratio in Star-forming Regions. Ap. J. 787, 74 (2014).

Green, A. W., K. Glazebrook, P. J. McGregor,I. Damjanov, E. Wisnioski, R.G. Abraham, M. Colless, R.G. Sharp, R. A. Crain, G. B. Poole, P. J. McCarthy: DYNAMO - I. A sample of Hα-luminous galaxies with resolved kinematics. Mon. Not. R. Astron. Soc. 437, 1070-1095 (2014).

Greiner, J., H.-F. Yu, T. Krühler, D.D. Frederiks, A. Beloborodov, P.N. Bhat, J. Bolmer, H. van Eerten, R.L. Aptekar, J. Elliott, S.V. Golenetskii, J.F. Graham, K. Hurley, D.A. Kann, S. Klose, A. Nicuesa Guelbenzu, A. Rau, P. Schady, S. Schmidl, V. Sudilovsky, D.S. Svinkin, M. Tanga, M.V. Ulanov, K. Varela, A. von Kienlin and X.-L. Zhang: GROND coverage of the main peak of gamma-ray burst 130925A. Astron. Astrophys. 568, A75 (2014).

Gritschneder, M. and A. Burkert: The return of the proplyds - understanding the dynamics of ionization triggered stars. Mon. Not. R. Astron. Soc. 438, 1318-1323 (2014).

Gruber, D., A. Goldstein, V. Weller von Ahlefeld, P. Narayana Bhat, E. Bissaldi, M.S. Briggs, D. Byrne, W.H. Cleveland, V. Connaughton, R. Diehl, G.J. Fishman, G. Fitzpatrick, S. Foley, M. Gibby, M.M. Giles, J. Greiner, S. Guiriec, A.J. van der Horst, A. von Kienlin, C. Kouveliotou, E. Layden, L. Lin, C.A. Meegan, S. McGlynn, W.S. Paciesas, V. Pelassa, R.D. Preece, A. Rau, C.A. Wilson-Hodge, S. Xiong, G. Younes and H.-F. Yu: The Fermi GBM Gamma-Ray Burst Spectral Catalog: Four Years of Data. Ap. J. Supp. Ser. 211, 12 (2014).

Gruen, D., S. Seitz, F. Brimioulle, R. Kosyra, J. Koppenhoefer, C.-H. Lee, R. Bender, A. Riffeser, T. Eichner, T. Weidinger and M. Bierschenk: Weak lensing analysis of SZ-selected clusters of galaxies from the SPT and Planck surveys. Mon. Not. R. Astron. Soc. 442, 1507-1544 (2014).

Guidorzi, C., C.G. Mundell, R. Harrison, R. Margutti, V. Sudilovsky, B.A. Zauderer, S. Kobayashi, A. Cucchiara, A. Melandri, S.B. Pandey, E. Berger, D. Bersier, V. D'Elia, A. Gomboc, J. Greiner, J. Japelj, D. Kopač, B. Kumar, D. Malesani, C.J. Mottram, P.T. O'Brien, A. Rau, R.J. Smith, I.A. Steele, N.R. Tanvir and F. Virgili: New constraints on gamma-ray burst jet geometry and relativistic shock physics. Mon. Not. R. Astron. Soc. 438, 752-767 (2014).

Guo, Z., E. Möbius, B. Klecker, P. Bochsler, J.J. Connell, Y.Y. Kartavykh, G.M. Mason and M.A. Popecki: Observation of High Iron Charge States at Low Energies in Solar Energetic Particle Events. Ap. J. 785, 26 (2014).

Guzzo, L., M. Scodeggio, B. Garilli, ..., S. Phleps, et al.: The VIMOS Public Extragalactic Redshift Survey (VIPERS). An unprecedented view of galaxies and large-scale structure at 0.5 < z < 1.2. Astron. Astrophys. 566, A108 (2014).

Gültekin, K., K. Gebhardt, J. Kormendy, T.R. Lauer, R. Bender, S. Tremaine and D.O. Richstone: The Black Hole Mass and the Stellar Ring in NGC 3706. Ap. J. 781, 112 (2014).

Haerendel, G. and H.U. Frey: Role and origin of the poleward Alfvénic arc. J. Geophys. Res. (Space Phys.) 119, 2945-2962 (2014).

Haerendel, G.: M-I coupling scales and energy dumping. Geophys. Res. Lett. 41, 1846-1853 (2014).

Hamrin, M., T. Pitkänen, P. Norqvist, T. Karlsson, H. Nilsson, M. André, S. Buchert, A. Vaivads, O. Marghitu, B. Klecker, L.M. Kistler and I. Dandouras: Evidence for the braking of flow bursts as they propagate toward the Earth. J. Geophys. Res. (Space Phys.) 119, 9004-9018 (2014).

Hanabata, Y., H. Katagiri, J.W. Hewitt, J. Ballet, Y. Fukazawa, Y. Fukui, T. Hayakawa, M. Lemoine-Goumard, G. Pedaletti, A.W. Strong, D.F. Torres and R. Yamazaki: Detailed Investigation of the Gamma-Ray Emission in the Vicinity of SNR W28 with FERMI-LAT. Ap. J. 786, 145 (2014).

Hao, H., M. Elvis, F. Civano, G. Zamorani, L.C. Ho, A. Comastri, M. Brusa, A. Bongiorno, A. Merloni, J.R. Trump, M. Salvato, C.D. Impey, A.M. Koekemoer, G. Lanzuisi, A. Celotti, K. Jahnke, C. Vignali, J.D. Silverman, C.M. Urry, K. Schawinski and P. Capak: Spectral energy distributions of type 1 AGN in XMM-COSMOS - II. Shape evolution. Mon. Not. R. Astron. Soc. 438, 1288-1304 (2014).

Hardcastle, M.J. and M.G.H. Krause: Numerical modelling of the lobes of radio galaxies in cluster environments - II. Magnetic field configuration and observability. Mon. Not. R. Astron. Soc. 443, 1482-1499 (2014).

Harsono, D., J.K. Jørgensen, E.F. van Dishoeck, M.R. Hogerheijde, S. Bruderer, M.V. Persson and J.C. Mottram: Rotationally-supported disks around Class I sources in Taurus: disk formation constraints. Astron. Astrophys. 562, A77 (2014).

Hashimoto, Y., J.P. Henry and H. Böhringer: Multiwavelength investigations of co-evolution of bright cluster galaxies and their host clusters. Mon. Not. R. Astron. Soc. 440, 588-600 (2014).

Hatch, N.A., D. Wylezalek, J.D. Kurk, D. Stern, C. de Breuck, M.J. Jarvis, A. Galametz, A.H. Gonzalez, W.G. Hartley, A. Mortlock, N. Seymour and J.A. Stevens: Why z > 1 radio-loud galaxies are commonly located in protoclusters. Mon. Not. R. Astron. Soc. 445, 280-289 (2014).

Hayward, C.C., L. Lanz, M.L.N. Ashby, G. Fazio, L. Hernquist, J.R. Martínez-Galarza, K. Noeske, H.A. Smith, S. Wuyts and A. Zezas: The total infrared luminosity may significantly overestimate the star formation rate of quenching and recently quenched galaxies. Mon. Not. R. Astron. Soc. 445, 1598-1604 (2014).

Heays, A.N., R. Visser, R. Gredel, W. Ubachs, B.R. Lewis, S.T. Gibson and E.F. van Dishoeck: Isotope selective pho-

todissociation of N_2 by the interstellar radiation field and cosmic rays. Astron. Astrophys. 562, A61 (2014).

Hein Bertelsen, R.P., I. Kamp, M. Goto, G. van der Plas, W.-F. Thi, L.B.F.M. Waters, M.E. van den Ancker and P. Woitke: CO ro-vibrational lines in HD 100546. A search for disc asymmetries and the role of fluorescence. Astron. Astrophys. 561, A102 (2014).

Henry, J.P., K. Aoki, A. Finoguenov, S. Fotopoulou, G. Hasinger, M. Salvato, H. Suh and M. Tanaka: A Large-scale Structure at Redshift 1.71 in the Lockman Hole. Ap. J. 780, 58 (2014).

Henshaw, J.D., P. Caselli, F. Fontani, I. Jiménez-Serra and J.C. Tan: The dynamical properties of dense filaments in the infrared dark cloud G035.39-00.33. Mon. Not. R. Astron. Soc. 440, 2860-2881 (2014).

Henze, M., W. Pietsch, F. Haberl, M. Della Valle, G. Sala, D. Hatzidimitriou, F. Hofmann, M. Hernanz, D.H. Hartmann and J. Greiner: X-ray monitoring of classical novae in the central region of M 31 III. Autumn and winter 2009/10, 2010/11, and 2011/12. Astron. Astrophys. 563, A2 (2014).

Hirschmann, M., G. de Lucia, D. Wilman, S. Weinmann, A. Iovino, O. Cucciati, S. Zibetti and Á. Villalobos: The influence of the environmental history on quenching star formation in a Λ cold dark matter universe. Mon. Not. R. Astron. Soc. 444, 2938-2959 (2014).

Hirschmann, M., K. Dolag, A. Saro, L. Bachmann, S. Borgani and A. Burkert: Cosmological simulations of black hole growth: AGN luminosities and downsizing. Mon. Not. R. Astron. Soc. 442, 2304-2324 (2014).

Hopp, U. and J. Vennik: Studying the dwarf galaxies in nearby groups of galaxies: Spectroscopic and photometric data. Astron. Nachr. 335, 992 (2014).

Hou, Z., C.L. Reichardt, K.T. Story, ..., J.J. Mohr, et al.: Constraints on Cosmology from the Cosmic Microwave Background Power Spectrum of the 2500 deg^2 SPT-SZ Survey. Ap. J. 782, 74 (2014).

Hsu, L.-T., M. Salvato, K. Nandra, M. Brusa, R. Bender, J. Buchner, J.L. Donley, D.D. Kocevski, Y. Guo, N.P. Hathi, C. Rangel, S.P. Willner, M. Brightman, A. Georgakakis, T. Budavári, A.S. Szalay, M.L.N. Ashby, G. Barro, T. Dahlen, S.M. Faber, H.C. Ferguson, A. Galametz, A. Grazian, N.A. Grogin, K.-H. Huang, A.M. Koekemoer, R.A. Lucas, E. McGrath, B. Mobasher, M. Peth, D.J. Rosario and J.R. Trump: CANDELS/GOODS-S, CDFS, and ECDFS: Photometric Redshifts for Normal and X-Ray-Detected Galaxies. Ap. J. 796, 60 (2014).

Hunt, L.K., E. Palazzi, M.J. Michalowski, A. Rossi, S. Savaglio, S. Basa, S. Berta, S. Bianchi, S. Covino, V. D'Elia, P. Ferrero, D. Götz, J. Greiner, S. Klose, D. Le Borgne, E. Le Floc'h, E. Pian, S. Piranomonte, P. Schady and S.D. Vergani: New light on gamma-ray burst host galaxies with Herschel. Astron. Astrophys. 565, A112 (2014).

Hunt, L.K., L. Testi, V. Casasola, S. García-Burillo, F. Combes, R. Nikutta, P. Caselli, C. Henkel, R. Maiolino, K.M. Menten, M. Sauvage and A. Weiss: ALMA observations of cool dust in a low-metallicity starburst, SBS 0335-052. Astron. Astrophys. 561, A49 (2014).

Huppenkothen, D., C. D'Angelo, A.L. Watts, L. Heil, M. van der Klis, A.J. van der Horst, C. Kouveliotou, M.G. Baring, E. Göğüş, J. Granot, Y. Kaneko, L. Lin, A. von Kienlin and G. Younes: Quasi-periodic Oscillations in Short Recurring Bursts of the Soft Gamma Repeater J1550-5418. Ap. J. 787, 128 (2014).

Ishiguro, M., D. Kuroda, S. Hasegawa, ..., A. Rau, J. Greiner, P. Schady, F. Knust, F. Usui and T.G. Müller: Optical Properties of (162173) 1999 JU3: In Preparation for the JAXA Hayabusa 2 Sample Return Mission. Ap. J. 792, 74 (2014).

Ivlev, A.V., S.K. Zhdanov, M. Lampe and G.E. Morfill: Mode-Coupling Instability in a Fluid Two-Dimensional Complex Plasma. Phys. Rev. Lett. 113, 135002 (2014).

Jeon, J., T.G. Klaempfl, J.L. Zimmermann, G.E. Morfill and T. Shimizu: Sporicidal properties from surface microdischarge plasma under different plasma conditions at different humidities. New J. Phys. 16, 103007 (2014).

Jian, L.K., H.Y. Wei, C.T. Russell, J.G. Luhmann, B. Klecker, N. Omidi, P.A. Isenberg, M.L. Goldstein, A. Figueroa-Viñas and X. Blanco-Cano: Electromagnetic Waves near the Proton Cyclotron Frequency: STEREO Observations. Ap. J. 786, 123 (2014).

Jiménez-Serra, I., L. Testi, P. Caselli and S. Viti: Detectability of Glycine in Solar-type System Precursors. Ap. J. Lett. 787, L33 (2014).

Jiménez-Serra, I., P. Caselli, F. Fontani, J.C. Tan, J.D. Henshaw, J. Kainulainen and A.K. Hernandez: Gas kinematics and excitation in the filamentary IRDC G035.39-00.33. Mon. Not. R. Astron. Soc. 439, 1996-2013 (2014).

Johnson, J.L., D.J. Whalen, B. Agarwal, J.-P. Paardekooper and S. Khochfar: The impact of reionization on the formation of supermassive black hole seeds. Mon. Not. R. Astron. Soc. 445, 686-693 (2014).

Kaastra, J.S., G.A. Kriss, M. Cappi, ..., G. Ponti et al.: A fast and long-lived outflow from the supermassive black hole in NGC 5548. Science 345, 64-68 (2014).

Kaastra, J.S., J. Ebrero, N. Arav, E. Behar, S. Bianchi, G. Branduardi-Raymont, M. Cappi, E. Costantini, G.A. Kriss, B. de Marco, M. Mehdipour, S. Paltani, P.-O. Petrucci, C. Pinto, G. Ponti, K.C. Steenbrugge and C.P. de Vries: Multiwavelength campaign on Mrk 509. XIV. Chandra HETGS spectra. Astron. Astrophys. 570, A73 (2014).

Kalemci, E., M.Ö. Arabací, T. Güver, D.M. Russell, J.A. Tomsick, J. Wilms, G. Weidenspointner, E. Kuulkers, M. Falanga, T. Dinçer, S. Drave, T. Belloni, M. Coriat, F. Lewis and T. Muñoz-Darias: Multiwavelength observations of the black hole transient Swift J1745-26 during the outburst decay. Mon. Not. R. Astron. Soc. 445, 1288-1298 (2014).

Karska, A., F. Herpin, S. Bruderer, J.R. Goicoechea, G.J. Herczeg, E.F. van Dishoeck, I. San José-García, A. Contursi, H. Feuchtgruber, D. Fedele, A. Baudry, J. Braine, L. Chavarría, J. Cernicharo, F.F.S. van der Tak and F. Wyrowski: Far-infrared molecular lines from low- to high-mass star forming regions observed with Herschel. Astron. Astrophys. 562, A45 (2014).

Karska, A., L.E. Kristensen, E.F. van Dishoeck, M.N. Dro-

zdovskaya, J.C. Mottram, G.J. Herczeg, S. Bruderer, S. Cabrit, N.J. Evans, D. Fedele, A. Gusdorf, J.K. Jørgensen, M.J. Kaufman, G.J. Melnick, D.A. Neufeld, B. Nisini, G. Santangelo, M. Tafalla and S.F. Wampfler: Shockingly low water abundances in Herschel/PACS observations of low-mass protostars in Perseus. Astron. Astrophys. 572, A9 (2014).

Kazin, E.A., J. Koda, C. Blake, ..., E. Wisnioski, et al.: The WiggleZ Dark Energy Survey: improved distance measurements to z = 1 with reconstruction of the baryonic acoustic feature. Mon. Not. R. Astron. Soc. 441, 3524-3542 (2014).

Keane, J.T., I. Pascucci, C. Espaillat, P. Woitke, S. Andrews, I. Kamp, W.-F. Thi, G. Meeus and W.R.F. Dent: Herschel Evidence for Disk Flattening or Gas Depletion in Transitional Disks. Ap. J. 787, 153 (2014).

Keto, E. and A. Burkert: From filaments to oscillating starless cores. Mon. Not. R. Astron. Soc. 441, 1468-1473 (2014).

Keto, E., J. Rawlings and P. Caselli: Chemistry and radiative transfer of water in cold, dense clouds. Mon. Not. R. Astron. Soc. 440, 2616-2624 (2014).

Khrapak, S.A., A.G. Khrapak, A.V. Ivlev and G.E. Morfill: Simple estimation of thermodynamic properties of Yukawa systems. Physical Review E 89, 023102 (2014).

Khrapak, S.A., A.G. Khrapak, A.V. Ivlev and H.M. Thomas: Ion sphere model for Yukawa systems (dusty plasmas). Phys. Plasmas 21, 123705 (2014).

Khrapak, S.A.: Accurate transport cross sections for the Lennard-Jones potential. European Physical Journal D 68, 276 (2014).

Kiss, C., T.G. Müller, E. Vilenius, A. Pál, P. Santos-Sanz, E. Lellouch, G. Marton, E. Verebélyi, N. Szalai, P. Hartogh, J. Stansberry, F. Henry and A. Delsanti: Optimized Herschel/PACS photometer observing and data reduction strategies for moving solar system targets. Experimental Astronomy 37, 161-174 (2014).

Klaas, U., K. Okumura, M. Ferlet, T. Müller, M. Sanchez-Portal, B. Altieri, D. Doyle and G.L. Pilbratt: Herschel out-of-field stray-light characterization. Experimental Astronomy 37, 331-345 (2014).

Koch, E.W., A. Bahramian, C.O. Heinke, K. Mori, N. Rea, N. Degenaar, D. Haggard, R. Wijnands, G. Ponti, J.M. Miller, F. Yusef-Zadeh, F. Dufour, W.D. Cotton, F.K. Baganoff and M.T. Reynolds: The 2013 outburst of a transient very faint X-ray binary, 23 arcsec from Sgr A*. Mon. Not. R. Astron. Soc. 442, 372-381 (2014).

Kompaneets, R., A. V. Ivlev and G. E. Morfill: Stopping power: Effect of the projectile deceleration. Phys. Plasmas 21, 113108, (2014).

Kompaneets, R., A.V. Ivlev, V. Nosenko and G.E. Morfill: Wakes in inhomogeneous plasmas. Physical Review E 89, 043108 (2014).

Koulouridis, E., M. Plionis, O. Melnyk, A. Elyiv, I. Georgantopoulos, N. Clerc, J. Surdej, L. Chiappetti and M. Pierre: X-ray AGN in the XMM-LSS galaxy clusters: no evidence of AGN suppression. Astron. Astrophys. 567, A83 (2014).

Krauß, F., M. Kadler, K. Mannheim, ..., C. Großberger, et al.: TANAMI blazars in the IceCube PeV-neutrino fields. Astron. Astrophys. Lett. 556, L7, (2014).

Krause, M., R. Diehl, H. Böhringer, M. Freyberg and D. Lubos: Feedback by massive stars and the emergence of superbubbles. II. X-ray properties. Astron. Astrophys. 566, A94 (2014).

Krause, M.G.H. and R. Diehl: Dynamics and Energy Loss in Superbubbles. Ap. J. Lett. 794, L21 (2014).

Kylafis, N.D., J.E. Trümper and Ü. Ertan: Spectral formation in a radiative shock: application to anomalous X-ray pulsars and soft gamma-ray repeaters. Astron. Astrophys. 562, A62 (2014).

Küpper, J., S. Stern, L. Holmegaard, ..., G. Weidenspointner, et al.: X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser. Phys. Rev. Lett. 112, 083002 (2014).

Küppers, M., L. O'Rourke, D. Bockelée-Morvan, V. Zakharov, S. Lee, P. von Allmen, B. Carry, D. Teyssier, A. Marston, T. Müller, J. Crovisier, M.A. Barucci and R. Moreno: Localized sources of water vapour on the dwarf planet (1) Ceres. Nature 505, 525-527 (2014).

La Franca, F., S. Bianchi, G. Ponti, E. Branchini and G. Matt: A New Cosmological Distance Measure Using Active Galactic Nucleus X-Ray Variability. Ap. J. Lett. 787, L12 (2014).

Lacerda, P., S. Fornasier, E. Lellouch, C. Kiss, E. Vilenius, P. Santos-Sanz, M. Rengel, T. Müller, J. Stansberry, R. Duffard, A. Delsanti and A. Guilbert-Lepoutre: The Albedo-Color Diversity of Transneptunian Objects. Ap. J. Lett. 793, L2 (2014).

Lackner, C.N., J.D. Silverman, M. Salvato, P. Kampczyk, J.S. Kartaltepe, D. Sanders, P. Capak, F. Civano, C. Halliday, O. Ilbert, K. Jahnke, A.M. Koekemoer, N. Lee, O. Le Fèvre, C.T. Liu, N. Scoville, K. Sheth and S. Toft: Late-Stage Galaxy Mergers in Cosmos to z ~ 1. Astron. J. 148, 137 (2014).

Lacour, S., F. Eisenhauer, S. Gillessen, O. Pfuhl, J. Woillez, H. Bonnet, G. Perrin, B. Lazareff, S. Rabien, V. Lapeyrère, Y. Clénet, P. Kervella and Y. Kok: Reaching micro-arcsecond astrometry with long baseline optical interferometry. Application to the GRAVITY instrument. Astron. Astrophys. 567, A75 (2014).

Lang, P., S. Wuyts, R.S. Somerville, N.M. Förster Schreiber, R. Genzel, E.F. Bell, G. Brammer, A. Dekel, S.M. Faber, H.C. Ferguson, N.A. Grogin, D.D. Kocevski, A.M. Koekemoer, D. Lutz, E.J. McGrath, I. Momcheva, E.J. Nelson, J.R. Primack, D.J. Rosario, R.E. Skelton, L.J. Tacconi, P.G. van Dokkum and K.E. Whitaker: Bulge Growth and Quenching since z = 2.5 in CANDELS/3D-HST. Ap. J. 788, 11 (2014).

Langer, W.D., J.L. Pineda and T. Velusamy: The scale height of gas traced by [C ii] in the Galactic plane. Astron. Astrophys. 564, A101 (2014).

Langer, W.D., T. Velusamy, J.L. Pineda, K. Willacy and P.F. Goldsmith: A Herschel [C ii] Galactic plane survey. II. CO-dark H_2 in clouds. Astron. Astrophys. 561, A122 (2014).

Lanzuisi, G., G. Ponti, M. Salvato, G. Hasinger, N. Cappelluti, A. Bongiorno, M. Brusa, E. Lusso, P.K. Nandra, A. Merloni, J. Silverman, J. Trump, C. Vignali, A. Comastri, R. Gilli, M. Schramm, C. Steinhardt, D. Sanders, J. Kartaltepe, D. Rosario and B. Trakhtenbrot: Active Galactic Nucleus X-Ray Variability in the XMM-COSMOS Survey. Ap. J. 781, 105 (2014).

Lauf, T. and R. Andritschke: ROOT based Offline and Online Analysis (ROAn): An analysis framework for X-ray detector data. Nucl. Instrum. Methods Phys. Res. (A) 762, 142-148 (2014).

Laut, I., C. Räth, L. Wörner, V. Nosenko, S.K. Zhdanov, J. Schablinski, D. Block, H.M. Thomas and G.E. Morfill: Network analysis of three-dimensional complex plasma clusters in a rotating electric field. Physical Review E 89, 023104 (2014).

Lee, C.-H., J. Koppenhoefer, S. Seitz, R. Bender, A. Riffeser, M. Kodric, U. Hopp, J. Snigula, C. Gössl, R.-P. Kudritzki, W. Burgett, K. Chambers, K. Hodapp, N. Kaiser and C. Waters: Properties of M31. V. 298 Eclipsing Binaries from PAndromeda. Ap. J. 797, 22 (2014).

Lee, C.-H., S. Seitz, M. Kodric, A. Riffeser, J. Koppenhoefer, R. Bender, J. Snigula, U. Hopp, C. Gössl, L. Bianchi, P.A. Price, M. Fraser, W. Burgett, K.C. Chambers, P.W. Draper, H. Flewelling, N. Kaiser, R.-P. Kudritzki and E.A. Magnier: Properties of M31. IV. Candidate Luminous Blue Variables from PAndromeda. Ap. J. 785, 11 (2014).

Lemaux, B.C., O. Cucciati, L.A.M. Tasca, ..., M. Salvato, et al.: VIMOS Ultra-Deep Survey (VUDS): Witnessing the assembly of a massive cluster at z ~ 3.3. Astron. Astrophys. 572, A41 (2014).

Li, X., T.J. Millar, C. Walsh, A.N. Heays and E.F. van Dishoeck: Photodissociation and chemistry of N_2 in the circumstellar envelope of carbon-rich AGB stars. Astron. Astrophys. 568, A111 (2014).

Li, Z.-Y., R. Krasnopolsky, H. Shang and B. Zhao: On the Role of Pseudodisk Warping and Reconnection in Protostellar Disk Formation in Turbulent Magnetized Cores. Ap. J. 793, 130 (2014).

Liao, J., X. Cai, L.M. Kistler, C.R. Clauer, C.G. Mouikis, B. Klecker and I. Dandouras: The relationship between sawtooth events and O+ in the plasma sheet. J. Geophys. Res. (Space Phys.) 119, 1572-1586 (2014).

Lin, L., H.-Y. Jian, S. Foucaud, S. Phleps, et al.: The Pan-STARRS1 Medium-Deep Survey: The Role of Galaxy Group Environment in the Star Formation Rate versus Stellar Mass Relation and Quiescent Fraction out to z ~ 0.8. Ap. J. 782, 33 (2014).

Lin, R.-L., J.-C. Zhang, R.C. Allen, L.M. Kistler, C.G. Mouikis, J.-C. Gong, S.-Q. Liu, L.-Q. Shi, B. Klecker, J.-A. Sauvaud and M.W. Dunlop: Testing linear theory of EMIC waves in the inner magnetosphere: Cluster observations. J. Geophys. Res. (Space Phys.) 119, 1004-1027 (2014).

Liu, Y.C.-M., J. Huang, C. Wang, B. Klecker, A.B. Galvin, K.D.C. Simunac, M.A. Popecki, L. Kistler, C. Farrugia, M.A. Lee, H. Kucharek, A. Opitz, J.G. Luhmann and L. Jian: A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. J. Geophys. Res. (Space Phys.) 119, 8721-8732 (2014).

Lutz, D.: Far-Infrared Surveys of Galaxy Evolution. Annual Review of Astronomy and Astrophysics 52, 373-414 (2014).

López-Gonzaga, N., W. Jaffe, L. Burtscher, K.R.W. Tristram and K. Meisenheimer: Revealing the large nuclear dust structures in NGC 1068 with MIDI/VLTI. Astron. Astrophys. 565, A71 (2014).

Ma, C.-P., J.E. Greene, N. McConnell, R. Janish, J.P. Blakeslee, J. Thomas and J.D. Murphy: The MASSIVE Survey. I. A Volume-limited Integral-field Spectroscopic Study of the Most Massive Early-type Galaxies within 108 Mpc. Ap. J. 795, 158 (2014).

Madigan, A.-M., O. Pfuhl, Y. Levin, S. Gillessen, R. Genzel and H.B. Perets: On the Origin of the B-stars in the Galactic Center. Ap. J. 784, 23 (2014).

Maggi, P., F. Haberl, P.J. Kavanagh, S.D. Points, J. Dickel, L.M. Bozzetto, M. Sasaki, Y.-H. Chu, R.A. Gruendl, M.D. Filipović and W. Pietsch: Four new X-ray-selected supernova remnants in the Large Magellanic Cloud. Astron. Astrophys. 561, A76 (2014).

Magliocchetti, M., D. Lutz, D. Rosario, S. Berta, E. Le Floc'h, B. Magnelli, F. Pozzi, L. Riguccini and P. Santini: The PEP survey: infrared properties of radio-selected AGN. Mon. Not. R. Astron. Soc. 442, 682-693 (2014).

Magnelli, B., D. Lutz, A. Saintonge, S. Berta, P. Santini, M. Symeonidis, B. Altieri, P. Andreani, H. Aussel, M. Béthermin, J. Bock, A. Bongiovanni, J. Cepa, A. Cimatti, A. Conley, E. Daddi, D. Elbaz, N.M. Förster Schreiber, R. Genzel, R.J. Ivison, E. Le Floc'h, G. Magdis, R. Maiolino, R. Nordon, S.J. Oliver, M. Page, A. Pérez García, A. Poglitsch, P. Popesso, F. Pozzi, L. Riguccini, G. Rodighiero, D. Rosario, I. Roseboom, M. Sanchez-Portal, D. Scott, E. Sturm, L.J. Tacconi, I. Valtchanov, L. Wang and S. Wuyts: The evolution of the dust temperatures of galaxies in the SFR-M* plane up to z ~ 2. Astron. Astrophys. 561, A86 (2014).

Maier, C., S.J. Lilly, B.L. Ziegler, T. Contini, E. Pérez Montero, Y. Peng and I. Balestra: The Mass-Metallicity and Fundamental Metallicity Relations at z > 2 Using Very Large Telescope and Subaru Near-infrared Spectroscopy of zCOSMOS Galaxies. Ap. J. 792, 3 (2014).

Mantovani, G., K. Nandra and G. Ponti: Relativistic iron Kα line detection in the Suzaku spectra of IC 4329A. Mon. Not. R. Astron. Soc. 442, L95-L99 (2014).

Mantz, A.B., Z. Abdulla, J.E. Carlstrom, C.H. Greer, E.M. Leitch, D.P. Marrone, S. Muchovej, C. Adami, M. Birkinshaw, M. Bremer, N. Clerc, P. Giles, C. Horellou, B. Maughan, F. Pacaud, M. Pierre and J. Willis: The XXL Survey. V. Detection of the Sunyaev-Zel'dovich Effect of the Redshift 1.9 Galaxy Cluster XLSSU J021744.1-034536 with CARMA. Ap. J. 794, 157 (2014).

Marion, L., O. Absil, S. Ertel, J.-B. Le Bouquin, J.-C. Augereau, N. Blind, D. Defrère, J. Lebreton and J. Milli: Searching for faint companions with VLTI/PIONIER. II. 92 main sequence stars from the Exozodi survey. Astron. Astrophys. 570, A127 (2014).

Martin-Carrillo, A., L. Hanlon, M. Topinka, A.P. La Cluyzé, V. Savchenko, D.A. Kann, A.S. Trotter, S. Covino, T. Krühler, J. Greiner, S. McGlynn, D. Murphy, P. Tisdall, S. Meehan, C. Wade, B. McBreen, D.E. Reichart, D. Fugazza, J.B. Haislip, A. Rossi, P. Schady, J. Elliott and S. Klose: GRB 120711A: an intense INTEGRAL burst with long-lasting soft γ-ray emission and a powerful optical flash. Astron. Astrophys. 567, A84 (2014).

Marton, G., R. Vavrek, C. Kiss and T.G. Müller: First results with the boloSource() algorithm: photometry of faint standard stars observed by Herschel/PACS. Experimental Astronomy 37, 347-356 (2014).

Maseda, M.V., A. van der Wel, H.-W. Rix, ..., N.M. Förster Schreiber, et al.: The Nature of Extreme Emission Line Galaxies at z = 1-2: Kinematics and Metallicities from Near-infrared Spectroscopy. Ap. J. 791, 17 (2014).

Matsukiyo, S. and M. Scholer: Simulations of pickup ion mediated quasi-perpendicular shocks: Implications for the heliospheric termination shock. J. Geophys. Res. (Space Physics), 119, Issue 4, 2388-2399 (2014).

Mazzalay, X., W. Maciejewski, P. Erwin, R.P. Saglia, R. Bender, M.H. Fabricius, N. Nowak, S.P. Rusli and J. Thomas: Molecular gas in the centre of nearby galaxies from VLT/SINFONI integral field spectroscopy - II. Kinematics. Mon. Not. R. Astron. Soc. 438, 2036-2064 (2014).

McDermid, R.M., M. Cappellari, K. Alatalo, E. Bayet, L. Blitz, M. Bois, F. Bournaud, M. Bureau, A.F. Crocker, R.L. Davies, T.A. Davis, P.T. de Zeeuw, P.-A. Duc, E. Emsellem, S. Khochfar, D. Krajnović, H. Kuntschner, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, A.-M. Weijmans and L.M. Young: Connection between Dynamically Derived Initial Mass Function Normalization and Stellar Population Parameters. Ap. J. Lett. 792, L37 (2014).

McDonald, M., B.A. Benson, A. Vikhlinin, ..., J.J. Mohr, et al.: The Redshift Evolution of the Mean Temperature, Pressure, and Entropy Profiles in 80 SPT-Selected Galaxy Clusters. Ap. J. 794, 67 (2014).

McHardy, I.M., D.T. Cameron, T. Dwelly, S. Connolly, P. Lira, D. Emmanoulopoulos, J. Gelbord, E. Breedt, P. Arevalo and P. Uttley: Swift monitoring of NGC 5548: X-ray reprocessing and short-term UV/optical variability. Mon. Not. R. Astron. Soc. 444, 1469-1474 (2014).

McQuinn, K.B.W., J.M. Cannon, A.E. Dolphin, E.D. Skillman, J.J. Salzer, M.P. Haynes, E. Adams, I. Cave, E.C. Elson, R. Giovanelli, J. Ott and A. Saintonge: Distance Determinations to SHIELD Galaxies from Hubble Space Telescope Imaging. Ap. J. 785, 3 (2014).

Meneghetti, M., E. Rasia, J. Vega, ..., S. Seitz, et al.: The MUSIC of CLASH: Predictions on the Concentration-Mass Relation. Ap. J. 797, 34 (2014).

Merloni, A., A. Bongiorno, M. Brusa, K. Iwasawa, V. Mainieri, B. Magnelli, M. Salvato, S. Berta, N. Cappelluti, A. Comastri, F. Fiore, R. Gilli, A. Koekemoer, E. Le Floc'h, E. Lusso, D. Lutz, T. Miyaji, F. Pozzi, L. Riguccini, D.J. Rosario, J. Silverman, M. Symeonidis, E. Treister, C. Vignali and G. Zamorani: The incidence of obscuration in active galactic nuclei. Mon. Not. R. Astron. Soc. 437, 3550-3567 (2014).

Messias, H., J.M. Afonso, M. Salvato, B. Mobasher and A.M. Hopkins: The dependency of AGN infrared colour-selection on source luminosity and obscuration. An observational perspective in CDFS and COSMOS. Astron. Astrophys. 562, A144 (2014).

Michalowski, M.J., L.K. Hunt, E. Palazzi, S. Savaglio, ..., S. Berta, et al.: Spatially-resolved dust properties of the GRB 980425 host galaxy. Astron. Astrophys. 562, A70 (2014).

Miotello, A., S. Bruderer and E.F. van Dishoeck: Protoplanetary disk masses from CO isotopologue line emission. Astron. Astrophys. 572, A96 (2014).

Modest, H.I., C. Räth, A.J. Banday, K.M. Górski and G.E. Morfill: Correlating Fourier phase information with real-space higher order statistics in CMB data. Physical Review D 89, 123004 (2014).

Mok, A., M.L. Balogh, S.L. McGee, D.J. Wilman, A. Finoguenov, M. Tanaka, R.G. Bower, A. Hou, J.S. Mulchaey and L.C. Parker: Star formation and environmental quenching of GEEC2 group galaxies at z ~ 1. Mon. Not. R. Astron. Soc. 438, 3070-3085 (2014).

Monna, A., S. Seitz, N. Greisel, T. Eichner, N. Drory, M. Postman, A. Zitrin, D. Coe, A. Halkola, S.H. Suyu, C. Grillo, P. Rosati, D. Lemze, I. Balestra, J. Snigula, L. Bradley, K. Umetsu, A. Koekemoer, U. Kuchner, L. Moustakas, M. Bartelmann, N. Benítez, R. Bouwens, T. Broadhurst, M. Donahue, H. Ford, O. Host, L. Infante, Y. Jimenez-Teja, S. Jouvel, D. Kelson, O. Lahav, E. Medezinski, P. Melchior, M. Meneghetti, J. Merten, A. Molino, J. Moustakas, M. Nonino and W. Zheng: CLASH: z ~ 6 young galaxy candidate quintuply lensed by the frontier field cluster RXC J2248.7-4431. Mon. Not. R. Astron. Soc. 438, 1417-1434 (2014).

Mottram, J.C., L.E. Kristensen, E.F. van Dishoeck, S. Bruderer, I. San José-García, A. Karska, R. Visser, G. Santangelo, A.O. Benz, E.A. Bergin, P. Caselli, F. Herpin, M.R. Hogerheijde, D. Johnstone, T.A. van Kempen, R. Liseau, B. Nisini, M. Tafalla, F.F.S. van der Tak and F. Wyrowski: Water in star-forming regions with Herschel (WISH). V. The physical conditions in low-mass protostellar outflows revealed by multi-transition water observations. Astron. Astrophys. 572, A21 (2014).

Moór, A., T.G. Müller, C. Kiss, Z. Balog, N. Billot and G. Marton: PACS photometer calibration block analysis. Experimental Astronomy 37, 225-238 (2014).

Murata, K.L., M. Kajisawa, Y. Taniguchi, M.A.R. Kobayashi, Y. Shioya, P. Capak, O. Ilbert, A.M. Koekemoer, M. Salvato and N.Z. Scoville: Evolution of the Fraction of Clumpy Galaxies at 0.2 < z < 1.0 in the COSMOS Field. Ap. J. 786, 15 (2014).

Müller, C., M. Kadler, R. Ojha, M. Perucho, C. Großberger, E. Ros, J. Wilms, J. Blanchard, M. Böck, B. Carpenter, M. Dutka, P. G. Edwards, H. Hase, S. Horiuchi, A. Kreikenbohm, J. E. J. Lovell, A. Markowitz, C. Phillips, C. Plötz, T. Pursimo, J. Quick, R. Rothschild, R. Schulz, T. Steinbring, J. Stevens, J. Trüstedt, A.K. Tzioumis: TANAMI monitoring of Centaurus A: The complex dynamics in the inner parsec of an extragalactic jet. Astron. Astrophys. 569, A115,

(2014).

Müller, T., Z. Balog, M. Nielbock, T. Lim, D. Teyssier, M. Olberg, U. Klaas, H. Linz, B. Altieri, C. Pearson, G. Bendo and E. Vilenius: Herschel celestial calibration sources. Four large main-belt asteroids as prime flux calibrators for the far-IR/sub-mm range. Experimental Astronomy 37, 253-330 (2014).

Müller, T.G., C. Kiss, P. Scheirich, P. Pravec, L. O'Rourke, E. Vilenius and B. Altieri: Thermal infrared observations of asteroid (99942) Apophis with Herschel. Astron. Astrophys. 566, A22 (2014).

Müller, T.G., S. Hasegawa and F. Usui: (25143) Itokawa: The power of radiometric techniques for the interpretation of remote thermal observations in the light of the Hayabusa rendezvous results*. Publ. Astron. Soc. Jpn. 66, 52 (2014).

Naab, T., L. Oser, E. Emsellem, ..., S. Khochfar, et al.: The ATLAS^{3D} project - XXV. Two-dimensional kinematic analysis of simulated galaxies and the cosmological origin of fast and slow rotators. Mon. Not. R. Astron. Soc. 444, 3357-3387 (2014).

Nardini, M., J. Elliott, R. Filgas, P. Schady, J. Greiner, T. Krühler, S. Klose, P. Afonso, D.A. Kann, A. Nicuesa Guelbenzu, F. Olivares E., A. Rau, A. Rossi, V. Sudilovsky and S. Schmidl: Afterglow rebrightenings as a signature of a long-lasting central engine activity?. The emblematic case of GRB 100814A. Astron. Astrophys. 562, A29 (2014).

Nastasi, A., H. Böhringer, R. Fassbender, A. de Hoon, G. Lamer, J.J. Mohr, N. Padilla, G.W. Pratt, H. Quintana, P. Rosati, J.S. Santos, A.D. Schwope, R. Šuhada and M. Verdugo: Kinematic analysis of a sample of X-ray luminous distant galaxy clusters. The LX - σv relation in the z > 0.6 universe. Astron. Astrophys. 564, A17 (2014).

Neilsen, J., M. Coriat, R. Fender, J.C. Lee, G. Ponti, A.K. Tzioumis, P.G. Edwards and J.W. Broderick: A Link between X-Ray Emission Lines and Radio Jets in 4U 1630-47?. Ap. J. Lett. 784, L5 (2014).

Neistein, E. and H. Netzer: What triggers black hole growth? Insights from star formation rates. Mon. Not. R. Astron. Soc. 437, 3373-3384 (2014).

Nelson, E., P. van Dokkum, M. Franx, G. Brammer, I. Momcheva, N. Förster Schreiber, E. da Cunha, L. Tacconi, R. Bezanson, A. Kirkpatrick, J. Leja, H.-W. Rix, R. Skelton, A. van der Wel, K. Whitaker and S. Wuyts: A massive galaxy in its core formation phase three billion years after the Big Bang. Nature 513, 394-397 (2014).

Neufeld, D.A., A. Gusdorf, R. Güsten, G.J. Herczeg, L. Kristensen, G.J. Melnick, B. Nisini, V. Ossenkopf, M. Tafalla and E.F. van Dishoeck: The Water Abundance behind Interstellar Shocks: Results from Herschel/PACS and Spitzer/IRS Observations of H_2O, CO, and H_2. Ap. J. 781, 102 (2014).

Newman, S.F., P. Buschkamp, R. Genzel, N.M. Förster Schreiber, J. Kurk, A. Sternberg, O. Gnat, D. Rosario, C. Mancini, S.J. Lilly, A. Renzini, A. Burkert, C.M. Carollo, G. Cresci, R. Davies, F. Eisenhauer, S. Genel, K. Shapiro Griffin, E.K.S. Hicks, D. Lutz, T. Naab, Y. Peng, L.J. Tacconi, S. Wuyts, G. Zamorani, D. Vergani and B.J. Weiner: Nebular Excitation in z ~ 2 Star-forming Galaxies from the SINS and LUCI Surveys: The Influence of Shocks and Active Galactic Nuclei. Ap. J. 781, 21 (2014).

Nicuesa Guelbenzu, A., S. Klose, M.J. Michalowski, S. Savaglio, D.A. Kann, A. Rossi, L.K. Hunt, J. Gorosabel, J. Greiner, M.R.G. McKenzie, E. Palazzi and S. Schmidl: Another Short-burst Host Galaxy with an Optically Obscured High Star Formation Rate: The Case of GRB 071227. Ap. J. 789, 45 (2014).

Nosenko, V., A.V. Ivlev, R. Kompaneets and G. Morfill: Stability and size of particle pairs in complex plasmas. Phys. Plasmas 21, 113701 (2014).

Occhiogrosso, A., A. Vasyunin, E. Herbst, S. Viti, M.D. Ward, S.D. Price and W.A. Brown: Ethylene oxide and acetaldehyde in hot cores. Astron. Astrophys. 564, A123 (2014).

Ogiya, G., M. Mori, T. Ishiyama and A. Burkert: The connection between the cusp-to-core transformation and observational universalities of DM haloes. Mon. Not. R. Astron. Soc. 440, L71-L75 (2014).

Oya, Y., N. Sakai, T. Sakai, Y. Watanabe, T. Hirota, J.E. Lindberg, S.E. Bisschop, J.K. Jørgensen, E.F. van Dishoeck and S. Yamamoto: A Substellar-mass Protostar and its Outflow of IRAS 15398-3359 Revealed by Subarcsecond-resolution Observations of H2CO and CCH. Ap. J. 795, 152 (2014).

Padilla, N. D., S. Salazar-Albornoz, S. Contreras, S. A. Cora and A. N. Ruiz: Stochastic angular momentum slews and flips and their effect on discs in galaxy formation models. Mon. Not. R. Astron. Soc. 443, 2801-2814 (2014).

Panagoulia, E.K., A.C. Fabian and J.S. Sanders: A volume-limited sample of X-ray galaxy groups and clusters - I. Radial entropy and cooling time profiles. Mon. Not. R. Astron. Soc. 438, 2341-2354 (2014).

Panagoulia, E.K., A.C. Fabian, J.S. Sanders and J. Hlavacek-Larrondo: A volume-limited sample of X-ray galaxy groups and clusters - II. X-ray cavity dynamics. Mon. Not. R. Astron. Soc. 444, 1236-1259 (2014).

Paumard, T., O. Pfuhl, F. Martins, P. Kervella, T. Ott, J.-U. Pott, J.B. Le Bouquin, J. Breitfelder, S. Gillessen, G. Perrin, L. Burtscher, X. Haubois and W. Brandner: GCIRS 7, a pulsating M1 supergiant at the Galactic centre. Physical properties and age. Astron. Astrophys. 568, A85 (2014).

Pelzer, G., A. Zang, G. Anton, F. Bayer, F. Horn, M. Kraus, J. Rieger, A. Ritter, J. Wandner, T. Weber, A. Fauler, M. Fiederle, W.S. Wong, M. Campbell, J. Meiser, P. Meyer, J. Mohr and T. Michel: Energy weighted x-ray dark-field imaging. Optics Express 22, 24507 (2014).

Percival, W.J., A.J. Ross, A.G. Sánchez, L. Samushia, A. Burden, R. Crittenden, A.J. Cuesta, M.V. Magana, M. Manera, F. Beutler, C.-H. Chuang, D.J. Eisenstein, S. Ho, C.K. McBride, F. Montesano, N. Padmanabhan, B. Reid, S. Saito, D.P. Schneider, H.-J. Seo, R. Tojeiro and B.A. Weaver: The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: including covariance matrix errors. Mon. Not. R. Astron. Soc. 439, 2531-2541 (2014).

Persson, M.V., J.K. Jørgensen, E.F. van Dishoeck and D. Harsono: The deuterium fractionation of water on solar-system scales in deeply-embedded low-mass protostars. Astron. Astrophys. 563, A74 (2014).

Pfuhl, O., T. Alexander, S. Gillessen, F. Martins, R. Genzel, F. Eisenhauer, T.K. Fritz and T. Ott: Massive Binaries in the Vicinity of Sgr A*. Ap. J. 782, 101 (2014).

Phan, T.D., J.F. Drake, M.A. Shay, J.T. Gosling, G. Paschmann, J.P. Eastwood, M. Oieroset, M. Fujimoto and V. Angelopoulos: Ion bulk heating in magnetic reconnection exhausts at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear angle. Geophys. Res. Lett. 41, 7002-7010 (2014).

Phleps, S., D.J. Wilman, S. Zibetti and T. Budavári: More than just halo mass: modelling how the red galaxy fraction depends on multiscale density in an HOD framework. Mon. Not. R. Astron. Soc. 438, 2233-2252 (2014).

Pineda, J.E., S.P. Quanz, F. Meru, G.D. Mulders, M.R. Meyer, O. Panić and H. Avenhaus: Resolved Images of the Protoplanetary Disk around HD 100546 with ALMA. Ap. J. Lett. 788, L34 (2014).

Pinto, C., A.C. Fabian, N. Werner, P. Kosec, J. Ahoranta, J. de Plaa, J.S. Kaastra, J.S. Sanders, Y.-Y. Zhang and A. Finoguenov: Discovery of O VII line emitting gas in elliptical galaxies. Astron. Astrophys. 572, L8 (2014).

Pires, A.M., F. Haberl, V.E. Zavlin, C. Motch, S. Zane and M.M. Hohle: XMM-Newton reveals a candidate period for the spin of the "Magnificent Seven" neutron star RX J1605.3+3249. Astron. Astrophys. 563, A50 (2014).

Planck Collaboration, P.A.R. Ade, N. Aghanim, M. Arnaud, ..., G. Chon, et al.: Planck intermediate results. XIII. Constraints on peculiar velocities. Astron. Astrophys. 561, A97 (2014).

Planck Collaboration, P.A.R. Ade, N. Aghanim, M.I.R. Alves, … H.Böhringer, …, G. Chon, …, et al.: Planck 2013 results. I. Overview of products and scientific results. Astron. Astrophys. 571, A1 (2014).

Planck Collaboration, P.A.R. Ade, N. Aghanim, C. Armitage-Caplan, … H. Böhringer, …, G. Chon, …, et al.: Planck 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. Astron. Astrophys. 571, A20 (2014).

Planck Collaboration, P.A.R. Ade, N. Aghanim, C. Armitage-Caplan, … H. Böhringer, …, G. Chon, et al.: Planck 2013 results. XXIX. The Planck catalogue of Sunyaev-Zeldovich sources. Astron. Astrophys. 571, A29 (2014).

Plant, D.S., R.P. Fender, G. Ponti, T. Muñoz-Darias and M. Coriat: Revealing accretion on to black holes: X-ray reflection throughout three outbursts of GX 339-4. Mon. Not. R. Astron. Soc. 442, 1767-1785 (2014).

Podio, L., I. Kamp, C. Codella, B. Nisini, G. Aresu, S. Brittain, S. Cabrit, C. Dougados, C. Grady, R. Meijerink, G. Sandell, M. Spaans, W.-F. Thi, G.J. White and P. Woitke: Probing the Gaseous Disk of T Tau N with CN 5-4 Lines. Ap. J. Lett. 783, L26 (2014).

Pon, A., D. Johnstone, J. Bally and C. Heiles: Kompaneets model fitting of the Orion-Eridanus superbubble. Mon. Not. R. Astron. Soc. 444, 3657-3669 (2014).

Pon, A., D. Johnstone, J. Bally and C. Heiles: The origin of ionized filaments within the Orion-Eridanus superbubble. Mon. Not. R. Astron. Soc. 441, 1095-1104 (2014).

Pon, A., D. Johnstone, M.J. Kaufman, P. Caselli and R. Plume: Mid-J CO observations of Perseus B1-East 5: evidence for turbulent dissipation via low-velocity shocks. Mon. Not. R. Astron. Soc. 445, 1508-1520 (2014).

Ponti, G., T. Muñoz-Darias and R.P. Fender: A connection between accretion state and Fe K absorption in an accreting neutron star: black hole-like soft-state winds?. Mon. Not. R. Astron. Soc. 444, 1829-1834 (2014).

Preece, R., J.M. Burgess, A. von Kienlin, ..., J. Greiner, et al.: The First Pulse of the Extremely Bright GRB 130427A: A Test Lab for Synchrotron Shocks. Science 343, 51-54 (2014).

Presotto, V., M. Girardi, M. Nonino, ..., S. Seitz, et al.: Intracluster light properties in the CLASH-VLT cluster MACS J1206.2-0847. Astron. Astrophys. 565, A126 (2014).

Price, S.H., M. Kriek, G.B. Brammer, C. Conroy, N.M. Förster Schreiber, M. Franx, M. Fumagalli, B. Lundgren, I. Momcheva, E.J. Nelson, R.E. Skelton, P.G. van Dokkum, K.E. Whitaker and S. Wuyts: Direct Measurements of Dust Attenuation in z ~ 1.5 Star-forming Galaxies from 3D-HST: Implications for Dust Geometry and Star Formation Rates. Ap. J. 788, 86 (2014).

Prieto, M.A., M. Mezcua, J.A. Fernández-Ontiveros and M. Schartmann: The central parsecs of active galactic nuclei: challenges to the torus. Mon. Not. R. Astron. Soc. 442, 2145-2164 (2014).

Rangel, C., K. Nandra, G. Barro, M. Brightman, L. Hsu, M. Salvato, A.M. Koekemoer, M. Brusa, E.S. Laird, J.R. Trump, D.J. Croton, D.C. Koo, D. Kocevski, J.L. Donley, N.P. Hathi, M. Peth, S.M. Faber, M. Mozena, N.A. Grogin, H.C. Ferguson and K. Lai: Evidence for two modes of black hole accretion in massive galaxies at z~2. Mon. Not. R. Astron. Soc. 440, 3630-3644 (2014).

Rigby, E.E., N.A. Hatch, H.J.A. Röttgering, B. Sibthorpe, Y.K. Chiang, R. Overzier, R. Herbonnet, S. Borgani, D.L. Clements, H. Dannerbauer, C. de Breuck, G. de Lucia, J. Kurk, F. Maschietto, G. Miley, A. Saro, N. Seymour and B. Venemans: Searching for large-scale structures around high-redshift radio galaxies with Herschel. Mon. Not. R. Astron. Soc. 437, 1882-1893 (2014).

Rigby, J.R., M.B. Bayliss, M.D. Gladders, K. Sharon, E. Wuyts and H. Dahle: On the Lack of Correlation between Mg II 2796, 2803 Å and Lyα Emission in Lensed Star-forming Galaxies. Ap. J. 790, 44 (2014).

Rodighiero, G., A. Renzini, E. Daddi, I. Baronchelli, S. Berta, G. Cresci, A. Franceschini, C. Gruppioni, D. Lutz, C. Mancini, P. Santini, G. Zamorani, J. Silverman, D. Kashino, P. Andreani, A. Cimatti, H.D. Sánchez, E. Le Floch, B. Magnelli, P. Popesso and F. Pozzi: A multiwavelength consensus on the main sequence of star-forming galaxies at z ~ 2. Mon. Not. R. Astron. Soc. 443, 19-30 (2014).

Ross, A.J., L. Samushia, A. Burden, ..., A.G. Sánchez, et al.: The clustering of galaxies in the SDSS-III DR10 Baryon Oscillation Spectroscopic Survey: no detectable colour dependence of distance scale or growth rate measure-

ments. Mon. Not. R. Astron. Soc. 437, 1109-1126 (2014).

Rossi, A., S. Piranomonte, S. Savaglio, E. Palazzi, M.J. Michalowski, S. Klose, L.K. Hunt, L. Amati, J. Elliott, J. Greiner, C. Guidorzi, J. Japelj, D.A. Kann, B. Lo Faro, A. Nicuesa Guelbenzu, S. Schulze, S.D. Vergani, L.A. Arnold, S. Covino, V. D'Elia, P. Ferrero, R. Filgas, P. Goldoni, A. Küpcü Yoldaş, D. Le Borgne, E. Pian, P. Schady and G. Stratta: A quiescent galaxy at the position of the long GRB 050219A. Astron. Astrophys. 572, A47 (2014).

Rovilos, E., I. Georgantopoulos, A. Akylas, J. Aird, D.M. Alexander, A. Comastri, A. Del Moro, P. Gandhi, A. Georgakakis, C.M. Harrison and J.R. Mullaney: A wide search for obscured active galactic nuclei using XMM-Newton and WISE. Mon. Not. R. Astron. Soc. 438, 494-512 (2014).

Ruan, J.J., S.F. Anderson, J. Dexter, E. Agol: Evidence for Large Temperature Fluctuations in Quasar Accretion Disks from Spectral Variability. ApJ 783, 105 (2014).

Ruel, J., G. Bazin, M. Bayliss, ..., J.J. Mohr, et al.: Optical Spectroscopy and Velocity Dispersions of Galaxy Clusters from the SPT-SZ Survey. Ap. J. 792, 45 (2014).

Russell, H.R., A.C. Fabian, B.R. McNamara, A.C. Edge, J.S. Sanders, P.E.J. Nulsen, S.A. Baum, M. Donahue and C.P. O'Dea: The bow shock, cold fronts and disintegrating cool core in the merging galaxy group RX J0751.3+5012. Mon. Not. R. Astron. Soc. 444, 629-641 (2014).

Röcker, T.B., A.V. Ivlev, S.K. Zhdanov and G.E. Morfill: Effect of strong wakes on waves in two-dimensional plasma crystals. Physical Review E 89, 013104 (2014).

Röcker, T.B., A.V. Ivlev, S.K. Zhdanov, L. Couëdel and G.E. Morfill: Wake-induced bending of two-dimensional plasma crystals. Phys. Plasmas 21, 073711 (2014).

Röcker, T.B., L. Couëdel, S.K. Zhdanov, V. Nosenko, A.V. Ivlev, H.M. Thomas and G.E. Morfill: Nonlinear regime of the mode-coupling instability in 2D plasma crystals. EPL (Europhysics Letters) 106, 45001 (2014).

Sadibekova, T., M. Pierre, N. Clerc, L. Faccioli, R. Gastaud, J.-P. Le Fevre, E. Rozo and E. Rykoff: The X-CLASS-redMaPPer galaxy cluster comparison. I. Identification procedures. Astron. Astrophys. 571, A87 (2014).

Salazar-Albornoz, S., A.G. Sánchez, N.D. Padilla and C.M. Baugh: Clustering tomography: measuring cosmological distances through angular clustering in thin redshift shells. Mon. Not. R. Astron. Soc. 443, 3612-3623 (2014).

Samushia, L., B.A. Reid, M. White, ..., F. Montesano, ..., A.G. Sánchez, et al.: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring growth rate and geometry with anisotropic clustering. Mon. Not. R. Astron. Soc. 439, 3504-3519 (2014).

Sánchez, A.G., F. Montesano, E.A. Kazin, et al.: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the full shape of the clustering wedges in the data release 10 and 11 galaxy samples. Mon. Not. R. Astron. Soc. 440, 2692-2713 (2014).

Sánchez, C., M. Carrasco Kind, ..., S. Seitz, et al.: Photometric redshift analysis in the Dark Energy Survey Science Verification data. Mon. Not. R. Astron. Soc. 445, 1482-1506 (2014).

Sánchez-Portal, M., A. Marston, B. Altieri, H. Aussel, H. Feuchtgruber, U. Klaas, H. Linz, D. Lutz, B. Merín, T. Müller, M. Nielbock, M. Oort, G. Pilbratt, M. Schmidt, C. Stephenson and M. Tuttlebee: The pointing system of the Herschel space observatory. Description, Calibration, Performance and improvements. Experimental Astronomy 37, 453-479 (2014).

Sanders, J.S., A.C. Fabian, J. Hlavacek-Larrondo, H.R. Russell, G.B. Taylor, F. Hofmann, G. Tremblay and S.A. Walker: Feedback, scatter and structure in the core of the PKS 0745-191 galaxy cluster. Mon. Not. R. Astron. Soc. 444, 1497-1517 (2014).

Sanders, J.S., A.C. Fabian, M. Sun, E. Churazov, A. Simionescu, S.A. Walker and N. Werner: The X-ray coronae of the two brightest galaxies in the Coma cluster. Mon. Not. R. Astron. Soc. 439, 1182-1192 (2014).

Santangelo, G., B. Nisini, C. Codella, A. Lorenzani, U.A. Yíldíz, S. Antoniucci, P. Bjerkeli, S. Cabrit, T. Giannini, L.E. Kristensen, R. Liseau, J.C. Mottram, M. Tafalla and E.F. van Dishoeck: Water distribution in shocked regions of the NGC 1333-IRAS 4A protostellar outflow. Astron. Astrophys. 568, A125 (2014).

Santangelo, G., S. Antoniucci, B. Nisini, C. Codella, P. Bjerkeli, T. Giannini, A. Lorenzani, L.K. Lundin, S. Cabrit, L. Calzoletti, R. Liseau, D. Neufeld, M. Tafalla and E.F. van Dishoeck: First spectrally-resolved H_2 observations towards HH 54. Low H_2O abundance in shocks. Astron. Astrophys. 569, L8 (2014).

Santini, P., R. Maiolino, B. Magnelli, D. Lutz, A. Lamastra, G. Li Causi, S. Eales, P. Andreani, S. Berta, V. Buat, A. Cooray, G. Cresci, E. Daddi, D. Farrah, A. Fontana, A. Franceschini, R. Genzel, G. Granato, A. Grazian, E. Le Floc'h, G. Magdis, M. Magliocchetti, F. Mannucci, N. Menci, R. Nordon, S. Oliver, P. Popesso, F. Pozzi, L. Riguccini, G. Rodighiero, D.J. Rosario, M. Salvato, D. Scott, L. Silva, L. Tacconi, M. Viero, L. Wang, S. Wuyts and K. Xu: The evolution of the dust and gas content in galaxies. Astron. Astrophys. 562, A30 (2014).

Santos, J.S., B. Altieri, M. Tanaka, I. Valtchanov, A. Saintonge, M. Dickinson, S. Foucaud, T. Kodama, T.D. Rawle and K. Tadaki: Star formation in the cluster CLG0218.3-0510 at z = 1.62 and its large-scale environment: the infrared perspective. Mon. Not. R. Astron. Soc. 438, 2565-2577 (2014).

Saro, A., J. Liu, J.J. Mohr, et al.: Constraints on the CMB temperature evolution using multiband measurements of the Sunyaev-Zel'dovich effect with the South Pole Telescope. Mon. Not. R. Astron. Soc. 440, 2610-2615 (2014).

Sartoris, B., A. Biviano, P. Rosati, ..., S. Seitz, et al.: CLASH-VLT: Constraints on the Dark Matter Equation of State from Accurate Measurements of Galaxy Cluster Mass Profiles. Ap. J. Lett. 783, L11 (2014).

Sauvage, M., K. Okumura, U. Klaas, T. Müller, A. Moór, A. Poglitsch, H. Feuchtgruber and L. Duband: Operations and performance of the PACS instrument ^{3}He sorption cooler on board of the Herschel space observatory. Experimental Astronomy 37, 397-431 (2014).

Scaringi, S., T.J. Maccarone and M. Middleton: Reversibility of time series: revealing the hidden messages in X-ray binaries and cataclysmic variables. Mon. Not. R. Astron. Soc. 445, 1031-1038 (2014).

Scaringi, S.: A physical model for the flickering variability in cataclysmic variables. Mon. Not. R. Astron. Soc. 438, 1233-1241 (2014).

Schady, P., S. Savaglio, T. Müller, T. Krühler, T. Dwelly, E. Palazzi, L.K. Hunt, J. Greiner, H. Linz, M.J. Michalowski, D. Pierini, S. Piranomonte, S.D. Vergani and W.K. Gear: Herschel observations of gamma-ray burst host galaxies: implications for the topology of the dusty interstellar medium. Astron. Astrophys. 570, A52 (2014).

Schartmann, M., K. Wada, M.A. Prieto, A. Burkert and K.R.W. Tristram: Time-resolved infrared emission from radiation-driven central obscuring structures in active galactic nuclei. Mon. Not. R. Astron. Soc. 445, 3878-3891 (2014).

Schauer, A.T.P., R.-S. Remus, A. Burkert and P.H. Johansson: The Mystery of the σ-Bump - A New Signature for Major Mergers in Early-type Galaxies?. Ap. J. Lett. 783, L32 (2014).

Schmalzl, M., R. Visser, C. Walsh, T. Albertsson, E.F. van Dishoeck, L.E. Kristensen and J.C. Mottram: Water in low-mass star-forming regions with Herschel. The link between water gas and ice in protostellar envelopes. Astron. Astrophys. 572, A81 (2014).

Schnorr-Müller, A., T. Storchi-Bergmann, N.M. Nagar and F. Ferrari: Gas inflows towards the nucleus of the active galaxy NGC 7213. Mon. Not. R. Astron. Soc. 438, 3322-3331 (2014).

Schnorr-Müller, A., T. Storchi-Bergmann, N.M. Nagar, A. Robinson, D. Lena, R.A. Riffel and G.S. Couto: Feeding and feedback in the inner kiloparsec of the active galaxy NGC 2110. Mon. Not. R. Astron. Soc. 437, 1708-1724 (2014).

Schulze, S., D. Malesani, A. Cucchiara, ..., P. Schady, ..., J. Greiner, ..., and E. Wuyts: GRB 120422A/SN 2012bz: Bridging the gap between low- and high-luminosity gamma-ray bursts. Astron. Astrophys. 566, A102 (2014).

Schwabe, M., S. Zhdanov, C. Räth, D.B. Graves, H.M. Thomas and G.E. Morfill: Collective Effects in Vortex Movements in Complex Plasmas. Phys. Rev. Lett. 112, 115002 (2014).

Schönenbach, T., G. Caspar, P.O. Hess, T. Boller, A. Müller, M. Schäfer and W. Greiner: Ray-tracing in pseudo-complex General Relativity. Mon. Not. R. Astron. Soc. 442, 121-130 (2014).

Serra, P., L. Oser, D. Krajnović, T. Naab, T. Oosterloo, R. Morganti, M. Cappellari, E. Emsellem, L.M. Young, L. Blitz, T.A. Davis, P.-A. Duc, M. Hirschmann, A.-M. Weijmans, K. Alatalo, E. Bayet, M. Bois, F. Bournaud, M. Bureau, A.F. Crocker, R.L. Davies, P.T. de Zeeuw, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, M. Sarzi and N. Scott: The ATLAS^{3D} project - XXVI. H I discs in real and simulated fast and slow rotators. Mon. Not. R. Astron. Soc. 444, 3388-3407 (2014).

Sharon, K., M.D. Gladders, J.R. Rigby, E. Wuyts, M.B. Bayliss, T.L. Johnson, M.K. Florian and H. Dahle: The Mass Distribution of the Strong Lensing Cluster SDSS J1531+3414. Ap. J. 795, 50 (2014).

Shimizu, S., S. Barczyk, P. Rettberg, T. Shimizu, T. Klaempfl, J.L. Zimmermann, T. Hoeschen, C. Linsmeier, P. Weber, G.E. Morfill and H.M. Thomas: Cold atmospheric plasma - A new technology for spacecraft component decontamination. Planet. Space Sci. 90, 60-71 (2014).

Shore, S.N., I. de Gennaro Aquino, S. Scaringi and H. van Winckel: On the Raman O VI and related lines in classical novae. Astron. Astrophys. 570, L4 (2014).

Simmons, B.D., T. Melvin, C. Lintott, …, A. Galametz, …, M. Salvato, …, and S. Wuyts: Galaxy Zoo: CANDELS barred discs and bar fractions. Mon. Not. R. Astron. Soc. 445, 3466-3474 (2014).

Skelton, R.E., K.E. Whitaker, I.G. Momcheva, G.B. Brammer, P.G. van Dokkum, I. Labbé, M. Franx, A. van der Wel, R. Bezanson, E. Da Cunha, M. Fumagalli, N.M. Förster Schreiber, M. Kriek, J. Leja, B.F. Lundgren, D. Magee, D. Marchesini, M.V. Maseda, E.J. Nelson, P. Oesch, C. Pacifici, S.G. Patel, S. Price, H.-W. Rix, T. Tal, D.A. Wake and S. Wuyts: 3D-HST WFC3-selected photometric catalogs in the five CANDELS/3D-HST fields: photometry, photometric redshifts, and stellar masses. Ap. J. Suppl. Ser. 214, 24-72 (2014).

Skinner, G.K.: Antimatter in the universe and the PAMELA/FERMI/AMS anomaly. International Journal of Modern Physics Conference Series 30, 60255 (2014).

Smolčić, V., P. Ciliegi, V. Jelić, M. Bondi, E. Schinnerer, C.L. Carilli, D.A. Riechers, M. Salvato, A. Brković, P. Capak, O. Ilbert, A. Karim, H. McCracken and N.Z. Scoville: The VLA-COSMOS Survey - V. 324 MHz continuum observations. Mon. Not. R. Astron. Soc. 443, 2590-2598 (2014).

Sódor, Á., P. de Cat, D.J. Wright, ..., S. Scaringi, et al.: Extensive study of HD 25558, a long-period double-lined binary with two SPB components. Mon. Not. R. Astron. Soc. 438, 3535-3556 (2014).

Soldi, S., V. Beckmann, W.H. Baumgartner, G. Ponti, C.R. Shrader, P. Lubiński, H.A. Krimm, F. Mattana and J. Tueller: Long-term variability of AGN at hard X-rays. Astron. Astrophys. 563, A57 (2014).

Song, M., S.L. Finkelstein, K. Gebhardt, G.J. Hill, N. Drory, M.L.N. Ashby, G.A. Blanc, J. Bridge, T. Chonis, R. Ciardullo, M. Fabricius, G.G. Fazio, E. Gawiser, C. Gronwall, A. Hagen, J.-S. Huang, S. Jogee, R. Livermore, B. Salmon, D.P. Schneider, S.P. Willner and G.R. Zeimann: The HETDEX Pilot Survey. V. The Physical Origin of Lyα Emitters Probed by Near-infrared Spectroscopy. Ap. J. 791, 3 (2014).

Steinacker, J., M. Andersen, W.-F. Thi and A. Bacmann: Detecting scattered light from low-mass molecular cores at 3.6 μm. Impact of global effects on the observation of coreshine. Astron. Astrophys. 563, A106 (2014).

Steinhardt, C.L., J.S. Speagle, P. Capak, J.D. Silverman, M. Carollo, J. Dunlop, Y. Hashimoto, B.-C. Hsieh, O. Ilbert, O. Le Fevre, E. Le Floc'h, N. Lee, L. Lin, Y.-T. Lin, D. Ma-

sters, H.J. McCracken, T. Nagao, A. Petric, M. Salvato, D. Sanders, N. Scoville, K. Sheth, M.A. Strauss and Y. Taniguchi: Star Formation at 4 < z < 6 from the Spitzer Large Area Survey with Hyper-Suprime-Cam (SPLASH). Ap. J. Lett. 791, L25 (2014).

Stern, D., G.B. Lansbury, R.J. Assef, ..., M. Brightman, et al.: NuSTAR and XMM-Newton Observations of Luminous, Heavily Obscured, WISE-selected Quasars at z ~ 2. Ap. J. 794, 102 (2014).

Sturm, R., F. Haberl, G. Vasilopoulos, E.S. Bartlett, P. Maggi, A. Rau, J. Greiner and A. Udalski: Discovery of SXP 265, a Be/X-ray binary pulsar in the Wing of the Small Magellanic Cloud. Mon. Not. R. Astron. Soc. 444, 3571-3580 (2014).

Suutarinen, A.N., L.E. Kristensen, J.C. Mottram, H.J. Fraser and E.F. van Dishoeck: Water and methanol in low-mass protostellar outflows: gas-phase synthesis, ice sputtering and destruction. Mon. Not. R. Astron. Soc. 440, 1844-1855 (2014).

Symeonidis, M., A. Georgakakis, M.J. Page, J. Bock, M. Bonzini, V. Buat, D. Farrah, A. Franceschini, E. Ibar, D. Lutz, B. Magnelli, G. Magdis, S.J. Oliver, M. Pannella, M. Paolillo, D. Rosario, I.G. Roseboom, M. Vaccari and C. Villforth: Linking the X-ray and infrared properties of star-forming galaxies at z < 1.5. Mon. Not. R. Astron. Soc. 443, 3728-3740 (2014).

Symeonidis, M., S.R. Oates, M. de Pasquale, M.J. Page, K. Wiersema, R. Starling, P. Schady, N. Seymour and B. O'Halloran: Herschel/PACS observations of the host galaxy of GRB 031203. Mon. Not. R. Astron. Soc. 443, L124-L128 (2014).

Tadaki, K., T. Kodama, I. Tanaka, M. Hayashi, Y. Koyama and R. Shimakawa: The Nature of Halpha-selected Galaxies at z > 2. II. Clumpy Galaxies and Compact Star-forming Galaxies. Ap. J. 780, 77-88 (2014).

Tadaki, K., T. Kodama, Y. Tamura, M. Hayashi, Y. Koyama, R. Shimakawa, I. Tanaka, K. Kohno, B. Hatsukade and K. Suzuki: Evidence for a Gas-rich Major Merger in a Protocluster at z = 2.5. Ap. J. Lett. 788, 23-28 (2014).

Talia, M., A. Cimatti, M. Mignoli, L. Pozzetti, A. Renzini, J. Kurk and C. Halliday: Listening to galaxies tuning at z ~ 2.5-3.0: The first strikes of the Hubble fork. Astron. Astrophys. 562, A113 (2014).

Tang, Y., M. Giavalisco, Y. Guo and J. Kurk: Probing Outflows in z = 1 ~ 2 Galaxies through Fe II/Fe II* Multiplets. Ap. J. 793, 92 (2014).

Taquet, V., S.B. Charnley and O. Sipilä: Multilayer Formation and Evaporation of Deuterated Ices in Prestellar and Protostellar Cores. Ap. J. 791, 1 (2014).

Tasca, L.A.M., O. Le Fèvre, C. López-Sanjuan, ..., M. Salvato, et al.: Evidence for major mergers of galaxies at 2 < z < 4 in the VVDS and VUDS surveys. Astron. Astrophys. 565, A10 (2014).

Thi, W.-F., C. Pinte, E. Pantin, J.C. Augereau, G. Meeus, F. Ménard, C. Martin-Zaïdi, P. Woitke, P. Riviere-Marichalar, I. Kamp, A. Carmona, G. Sandell, C. Eiroa, W. Dent, B. Montesinos, G. Aresu, R. Meijerink, M. Spaans, G. White, D. Ardila, J. Lebreton, I. Mendigutía and S. Brittain: Gas lines from the 5-Myr old optically thin disk around HD 141569A. Herschel observations and modeling. Astron. Astrophys. 561, A50 (2014).

Thomas, J., R.P. Saglia, R. Bender, P. Erwin and M. Fabricius: The Dynamical Fingerprint of Core Scouring in Massive Elliptical Galaxies. Ap. J. 782, 39 (2014).

Toft, S., V. Smolčić, B. Magnelli, A. Karim, A. Zirm, M. Michalowski, P. Capak, K. Sheth, K. Schawinski, J.-K. Krogager, S. Wuyts, D. Sanders, A.W.S. Man, D. Lutz, J. Staguhn, S. Berta, H. Mccracken, J. Krpan and D. Riechers: Submillimeter Galaxies as Progenitors of Compact Quiescent Galaxies. Ap. J. 782, 68 (2014).

Tojeiro, R., A.J. Ross, A. Burden, ..., F. Montesano, ..., A.G. Sánchez, et al.: The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: galaxy clustering measurements in the low-redshift sample of Data Release 11. Mon. Not. R. Astron. Soc. 440, 2222-2237 (2014).

Tortora, C., N.R. Napolitano, R.P. Saglia, A.J. Romanowsky, G. Covone and M. Capaccioli: Evolution of central dark matter of early-type galaxies up to z ~ 0.8. Mon. Not. R. Astron. Soc. 445, 162-174 (2014).

Traulsen, I., K. Reinsch, A.D. Schwope, R. Schwarz, F.M. Walter and V. Burwitz: Phase-resolved X-ray spectroscopy and spectral energy distribution of the X-ray soft polar RS Caeli. Astron. Astrophys. 562, A42 (2014).

Tremblay, G.R., M.D. Gladders, S.A. Baum, C.P. O'Dea, M.B. Bayliss, K.C. Cooke, H. Dahle, T.A. Davis, M. Florian, J.R. Rigby, K. Sharon, E. Soto and E. Wuyts: A 30 kpc Chain of "Beads on a String" Star Formation between Two Merging Early Type Galaxies in the Core of a Strong-lensing Galaxy Cluster. Ap. J. Lett. 790, L26 (2014).

Tristram, K.R.W., L. Burtscher, W. Jaffe, K. Meisenheimer, S.F. Hönig, M. Kishimoto, M. Schartmann and G. Weigelt: The dusty torus in the Circinus galaxy: a dense disk and the torus funnel. Astron. Astrophys. 563, A82 (2014).

Trump, J.R., G. Barro, S. Juneau, B.J. Weiner, B. Luo, G.B. Brammer, E.F. Bell, W.N. Brandt, A. Dekel, Y. Guo, P.F. Hopkins, D.C. Koo, D.D. Kocevski, D.H. McIntosh, I. Momcheva, S.M. Faber, H.C. Ferguson, N.A. Grogin, J. Kartaltepe, A.M. Koekemoer, J. Lotz, M. Maseda, M. Mozena, K. Nandra, D.J. Rosario and G.R. Zeimann: No More Active Galactic Nuclei in Clumpy Disks Than in Smooth Galaxies at z ~ 2 in CANDELS/3D-HST. Ap. J. 793, 101 (2014).

Tsytovich, V.N., A.V. Ivlev, A. Burkert and G.E. Morfill: Compact Dusty Clouds in a Cosmic Environment. Ap. J. 780, 131 (2014).

Umetsu, K., E. Medezinski, M. Nonino, J. Merten, M. Postman, M. Meneghetti, M. Donahue, N. Czakon, A. Molino, S. Seitz, D. Gruen, D. Lemze, I. Balestra, N. Benítez, A. Biviano, T. Broadhurst, H. Ford, C. Grillo, A. Koekemoer, P. Melchior, A. Mercurio, J. Moustakas, P. Rosati and A. Zitrin: CLASH: Weak-lensing Shear-and-magnification Analysis of 20 Galaxy Clusters. Ap. J. 795, 163 (2014).

Urban, O., A. Simionescu, N. Werner, S.W. Allen, S. Ehlert, I. Zhuravleva, R.G. Morris, A.C. Fabian, A. Mantz,

P.E.J. Nulsen, J.S. Sanders and Y. Takei: Azimuthally resolved X-ray spectroscopy to the edge of the Perseus Cluster. Mon. Not. R. Astron. Soc. 437, 3939-3961 (2014).

Urrutia-Viscarra, F., M. Arnaboldi, C. Mendes de Oliveira, O. Gerhard, S. Torres-Flores, E.R. Carrasco and D. de Mello: A census of Hα emitters in the intergalactic medium of the NGC 2865 system. Astron. Astrophys. 569, A97 (2014).

Usachev, A., A. Zobnin, O. Petrov, V. Fortov, M.H. Thoma, H. Höfner, M. Fink, A. Ivlev and G. Morfill: Externally excited planar dust acoustic shock waves in a strongly coupled dusty plasma under microgravity conditions. New J. Phys. 16, 053028 (2014).

Usui, F., S. Hasegawa, M. Ishiguro, T.G. Müller and T. Ootsubo: A comparative study of infrared asteroid surveys: IRAS, AKARI, and WISE. Publ. Astron. Soc. Jpn. 66, 56 (2014).

van Dishoeck, E.: Building stars, planets, and the ingredients for life between the stars (2013 Halley lecture). The Observatory 134, 9-14 (2014).

van Dokkum, P. G., R. Bezanson, A. van der Wel, E.J. Nelson, I. Momcheva, R.E. Skelton, K.E. Whitaker, G. Brammer, C. Conroy, N.M. Förster Schreiber, M. Fumagalli, M. Kriek, I. Labbé, J. Leja, D. Marchesini, A. Muzzin, P. Oesch and S. Wuyts: Dense cores in galaxies out to z = 2.5 in SDSS, UltraVISTA, and the five 3D-HST/CANDELS fields: number density, evolution, and the apparent need for efficient cooling at high redshift. Ap. J. 791, 45-62 (2014).

van der Marel, N., E.F. van Dishoeck, S. Bruderer and T.A. van Kempen: Warm formaldehyde in the Ophiuchus IRS 48 transitional disk. Astron. Astrophys. 563, A113 (2014).

van der Wel, A., M. Franx, P.G. van Dokkum, ..., S. Wuyts, et al.: 3D-HST+CANDELS: The Evolution of the Galaxy Size-Mass Distribution since z = 3. Ap. J. 788, 28 (2014).

van Daalen, M.P., J. Schaye, I.G. McCarthy, C.M. Booth and C. Dalla Veccia: The impact of baryonic processes on the two-point correlation functions of galaxies, subhaloes and matter. Mon. Not. R. Astron. Soc. 440, 2997-3010 (2014).

van Eerten, H.: Self-similar relativistic blast waves with energy injection. Mon. Not. R. Astron. Soc. 442, 3495-3510 (2014).

van Eerten, H.J.: Gamma-ray burst afterglow plateau break time-luminosity correlations favour thick shell models over thin shell models. Mon. Not. R. Astron. Soc. 445, 2414-2423 (2014).

van der Plas, G., S. Casassus, F. Ménard, S. Perez, W.F. Thi, C. Pinte and V. Christiaens: Spatially Resolved HCN J = 4-3 and CS J = 7-6 Emission from the Disk around HD 142527. Ap. J. Lett. 792, L25 (2014).

van der Wiel, M.H.D., D.A. Naylor, I. Kamp, F. Ménard, W.-F. Thi, P. Woitke, G. Olofsson, K.M. Pontoppidan, J. Di Francesco, A.M. Glauser, J.S. Greaves and R.J. Ivison: Signatures of warm carbon monoxide in protoplanetary discs observed with Herschel SPIRE. Mon. Not. R. Astron. Soc. 444, 3911-3925 (2014).

Vargas-Magaña, M., S. Ho, X. Xu, A.G. Sánchez, R. O'Connell, D.J. Eisenstein, A.J. Cuesta, W.J. Percival, A.J. Ross, E. Aubourg, J.R. Brownstein, S. Escoffier, D. Kirkby, M. Manera, D.P. Schneider, J.L. Tinker and B.A. Weaver: The clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: potential systematics in fitting of baryon acoustic feature. Mon. Not. R. Astron. Soc. 445, 2-28 (2014).

Vasilopoulos, G., F. Haberl, R. Sturm, P. Maggi and A. Udalski: Spectral and temporal properties of RX J0520.5-6932 (LXP 8.04) during a type-I outburst. Astron. Astrophys. 567, A129 (2014).

Veilleux, S., S.H. Teng, D.S.N. Rupke, R. Maiolino and E. Sturm: Half-megasecond Chandra Spectral Imaging of the Hot Circumgalactic Nebula around Quasar Mrk 231. Ap. J. 790, 116 (2014).

Vilenius, E., C. Kiss, T. Müller, M. Mommert, P. Santos-Sanz, A. Pál, J. Stansberry, M. Mueller, N. Peixinho, E. Lellouch, S. Fornasier, A. Delsanti, A. Thirouin, J.L. Ortiz, R. Duffard, D. Perna and F. Henry: "TNOs are Cool": A survey of the trans-Neptunian region. X. Analysis of classical Kuiper belt objects from Herschel and Spitzer observations. Astron. Astrophys. 564, A35 (2014).

Villforth, C., F. Hamann, D. J. Rosario, et al.: Morphologies of z~0.7 AGN host galaxies in CANDELS: no trend of merger incidence with AGN luminosity. Mon. Not. R. Astron. Soc. 439, 3342-3356 (2014).

Vincent, F.H., T. Paumard, G. Perrin, P. Varniere, F. Casse, F. Eisenhauer, S. Gillessen and P.J. Armitage: Distinguishing an ejected blob from alternative flare models at the Galactic Centre with GRAVITY. Mon. Not. R. Astron. Soc. 441, 3477-3487 (2014).

Viti, S., S. García-Burillo, A. Fuente, L.K. Hunt, A. Usero, C. Henkel, A. Eckart, S. Martin, M. Spaans, S. Muller, F. Combes, M. Krips, E. Schinnerer, V. Casasola, F. Costagliola, I. Marquez, P. Planesas, P.P. van der Werf, S. Aalto, A.J. Baker, F. Boone and L.J. Tacconi: Molecular line emission in NGC 1068 imaged with ALMA. II. The chemistry of the dense molecular gas. Astron. Astrophys. 570, A28 (2014).

Vito, F., R. Gilli, C. Vignali, A. Comastri, M. Brusa, N. Cappelluti and K. Iwasawa: The hard X-ray luminosity function of high-redshift (3 < z < 5) active galactic nuclei. Mon. Not. R. Astron. Soc. 445, 3557-3574 (2014).

Vito, F., R. Maiolino, P. Santini, M. Brusa, A. Comastri, G. Cresci, D. Farrah, A. Franceschini, R. Gilli, G.L. Granato, C. Gruppioni, D. Lutz, F. Mannucci, F. Pozzi, D.J. Rosario, D. Scott, M. Viero and C. Vignali: Black hole accretion preferentially occurs in gas-rich galaxies*. Mon. Not. R. Astron. Soc. 441, 1059-1065 (2014).

von Kienlin, A., C.A. Meegan, W.S. Paciesas, P.N. Bhat, E. Bissaldi, M.S. Briggs, J.M. Burgess, D. Byrne, V. Chaplin, W. Cleveland, V. Connaughton, A.C. Collazzi, G. Fitzpatrick, S. Foley, M. Gibby, M. Giles, A. Goldstein, J. Greiner, D. Gruber, S. Guiriec, A.J. van der Horst, C. Kouveliotou, E. Layden, S. McBreen, S. McGlynn, V. Pelassa, R.D. Preece, A. Rau, D. Tierney, C.A. Wilson-Hodge, S. Xiong, G. Younes and H.-F. Yu: The Second Fermi GBM

Gamma-Ray Burst Catalog: The First Four Years. Ap. J. Supp. Ser. 211, 13 (2014).

Vreeswijk, P.M., S. Savaglio, A. Gal-Yam, et al.: The Hydrogen-poor Superluminous Supernova iPTF 13ajg and its Host Galaxy in Absorption and Emission. Ap. J. 797, 24 (2014).

Walker, S.A., A.C. Fabian and J.S. Sanders: Large-scale gas sloshing out to half the virial radius in the strongest cool core REXCESS galaxy cluster, RXJ2014.8-2430. Mon. Not. R. Astron. Soc. 441, L31-L35 (2014).

Walker, S.A., A.C. Fabian, H.R. Russell and J.S. Sanders: The effect of the quasar H1821+643 on the surrounding intracluster medium: revealing the underlying cooling flow. Mon. Not. R. Astron. Soc. 442, 2809-2816 (2014).

Weijmans, A.-M., P.T. de Zeeuw, E. Emsellem, D. Krajnović, P.-Y. Lablanche, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, M. Cappellari, A.F. Crocker, R.L. Davies, T.A. Davis, P.-A. Duc, S. Khochfar, H. Kuntschner, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, G. Verdoes Kleijn and L.M. Young: The ATLAS^{3D} project - XXIV. The intrinsic shape distribution of early-type galaxies. Mon. Not. R. Astron. Soc. 444, 3340-3356 (2014).

Weinzirl, T., S. Jogee, E. Neistein, S. Khochfar, J. Kormendy, I. Marinova, C. Hoyos, M. Balcells, M. den Brok, D. Hammer, R.F. Peletier, G.V. Kleijn, D. Carter, P. Goudfrooij, J.R. Lucey, B. Mobasher, N. Trentham, P. Erwin and T. Puzia: The HST/ACS Coma Cluster Survey - VII. Structure and assembly of massive galaxies in the centre of the Coma cluster. Mon. Not. R. Astron. Soc. 441, 3083-3121 (2014).

Whitaker, K.E., J.R. Rigby, G.B. Brammer, M.D. Gladders, K. Sharon, S.H. Teng and E. Wuyts: Resolved Star Formation on Sub-galactic Scales in a Merger at z = 1.7. Ap. J. 790, 143 (2014).

Wiersema, K., S. Covino, K. Toma, A.J. van der Horst, K. Varela, M. Min, J. Greiner, R.L.C. Starling, N.R. Tanvir, R.A.M.J. Wijers, S. Campana, P.A. Curran, Y. Fan, J.P.U. Fynbo, J. Gorosabel, A. Gomboc, D. Götz, J. Hjorth, Z.P. Jin, S. Kobayashi, C. Kouveliotou, C. Mundell, P.T. O'Brien, E. Pian, A. Rowlinson, D.M. Russell, R. Salvaterra, S. di Serego Alighieri, G. Tagliaferri, S.D. Vergani, J. Elliott, C. Farina, O.E. Hartoog, R. Karjalainen, S. Klose, F. Knust, A.J. Levan, P. Schady, V. Sudilovsky and R. Willingale: Circular polarization in the optical afterglow of GRB 121024A. Nature 509, 201-204 (2014).

Williams, B.F., D. Hatzidimitriou, J. Green, G. Vasilopoulos, R. Covarrubias, W.N. Pietsch, H. Stiele, F. Haberl and P. Bonfini: A spectroscopic search for high-mass X-ray binaries in M31. Mon. Not. R. Astron. Soc. 443, 2499-2516 (2014).

Williams, C.C., M. Giavalisco, P. Cassata, ..., S. Wuyts, et al.: The Progenitors of the Compact Early-type Galaxies at High Redshift. Ap. J. 780, 1 (2014).

Williams, R.J., R. Maiolino, P. Santini, A. Marconi, G. Cresci, F. Mannucci and D. Lutz: Dynamics and metallicity of far-infrared selected galaxies. Mon. Not. R. Astron. Soc. 443, 3780-3794 (2014).

Wittenmyer, R.A., J. Horner, C.G. Tinney, R.P. Butler, H.R.A. Jones, M. Tuomi, G.S. Salter, B.D. Carter, F.E. Koch, S.J. O'Toole, J. Bailey and D. Wright: The Anglo-Australian Planet Search. XXIII. Two New Jupiter Analogs. Ap. J. 783, 103 (2014).

Wittenmyer, R.A., M. Tuomi, R.P. Butler, H.R.A. Jones, G. Anglada-Escudé, J. Horner, C.G. Tinney, J.P. Marshall, B.D. Carter, J. Bailey, G.S. Salter, S.J. O'Toole, D. Wright, J.D. Crane, S.A. Schectman, P. Arriagada, I. Thompson, D. Minniti, J.S. Jenkins and M. Diaz: GJ 832c: A Super-Earth in the Habitable Zone. Ap. J. 791, 114 (2014).

Wittenmyer, R.A., X. Tan, M.H. Lee, J. Horner, C.G. Tinney, R.P. Butler, G.S. Salter, B.D. Carter, H.R.A. Jones, S.J. O'Toole, J. Bailey, D. Wright, J.D. Crane, S.A. Schectman, P. Arriagada, I. Thompson, D. Minniti and M. Diaz: A Detailed Analysis of the HD 73526 2:1 Resonant Planetary System. Ap. J. 780, 140 (2014).

Wu, X., O. Gerhard, T. Naab, L. Oser, I. Martinez-Valpuesta, M. Hilz, E. Churazov and N. Lyskova: The mass and angular momentum distribution of simulated massive early-type galaxies to large radii. Mon. Not. R. Astron. Soc. 438, 2701-2715 (2014).

Wuyts, E., J. Kurk, N.M. Förster Schreiber, R. Genzel, E. Wisnioski, K. Bandara, S. Wuyts, A. Beifiori, R. Bender, G.B. Brammer, A. Burkert, P. Buschkamp, C.M. Carollo, J. Chan, R. Davies, F. Eisenhauer, M. Fossati, S.K. Kulkarni, P. Lang, S.J. Lilly, D. Lutz, C. Mancini, J.T. Mendel, I.G. Momcheva, T. Naab, E.J. Nelson, A. Renzini, D. Rosario, R.P. Saglia, S. Seitz, R.M. Sharples, A. Sternberg, S. Tacchella, L.J. Tacconi, P. van Dokkum and D.J. Wilman: A Consistent Study of Metallicity Evolution at 0.8 < z < 2.6. Ap. J. Lett. 789, L40 (2014).

Wuyts, E., J.R. Rigby, M.D. Gladders and K. Sharon: A Magnified View of the Kinematics and Morphology of RCSGA 032727-132609: Zooming in on a Merger at z = 1.7. Ap. J. 781, 61 (2014).

Yajima, H. and S. Khochfar: Angular momentum loss of primordial gas in Lyα radiation field. Mon. Not. R. Astron. Soc. 441, 769-775 (2014).

Yaroshenko, V.V., H. Lühr and W.J. Miloch: Dust charging in the Enceladus torus. J. Geophys. Res. (Space Phys.) 119, 221-236 (2014).

Yazdi, A., A. Ivlev, S. Khrapak, H. Thomas, G.E. Morfill, H. Löwen, A. Wysocki and M. Sperl: Glass-transition properties of Yukawa potentials: From charged point particles to hard spheres. Physical Review E 89, 063105 (2014).

Younes, G., C. Kouveliotou, A.J. van der Horst, ..., A. von Kienlin, et al.: Time Resolved Spectroscopy of SGR J1550-5418 Bursts Detected with Fermi/Gamma-Ray Burst Monitor. Ap. J. 785, 52 (2014).

Young, J.E., M. Eracleous, O. Shemmer, H. Netzer, C. Gronwall, D. Lutz, R. Ciardullo and E. Sturm: Locating star-forming regions in quasar host galaxies. Mon. Not. R. Astron. Soc. 438, 217-239 (2014).

Young, L.M., N. Scott, P. Serra, ..., S. Khochfar, et al.: The ATLAS3D project - XXVII. Cold gas and the colours and ages of early-type galaxies. Mon. Not. R. Astron. Soc. 444, 3408-3426 (2014).

Zapata, L.A., H.G. Arce, E. Brassfield, A. Palau, N. Patel and J.E. Pineda: A spider-like outflow in Barnard 5 - IRS 1: the transition from a collimated jet to a wide-angle outflow?. Mon. Not. R. Astron. Soc. 441, 3696-3702 (2014).

Zhdanov, S.K., V. Nosenko, H.M. Thomas, G.E. Morfill and L. Couëdel: Observation of particle pairing in a two-dimensional plasma crystal. Physical Review E 89, 023103 (2014).

Zhou, G., D.D.R. Bayliss, L. Kedziora-Chudczer, G. Salter, C.G. Tinney and J. Bailey: Ks-band secondary eclipses of WASP-19b and WASP-43b with the Anglo-Australian Telescope. Mon. Not. R. Astron. Soc. 445, 2746-2757 (2014).

Zhukhovitskii, D.I., V.E. Fortov, V.I. Molotkov, A.M. Lipaev, V.N. Naumkin, H.M. Thomas, A.V. Ivlev and G.E. Morfill: Study of the Projectile Motion in a Dust Crystal Under Microgravity Conditions. IEEE Trans. Plasma Sci. 42, 2678-2679 (2014).

Ziparo, F., P. Popesso, A. Finoguenov, A. Biviano, S. Wuyts, D. Wilman, M. Salvato, M. Tanaka, K. Nandra, D. Lutz, D. Elbaz, M. Dickinson, B. Altieri, H. Aussel, S. Berta, A. Cimatti, D. Fadda, R. Genzel, E. Le Floc'h, B. Magnelli, R. Nordon, A. Poglitsch, F. Pozzi, M.S. Portal, L. Tacconi, F.E. Bauer, W.N. Brandt, N. Cappelluti, M.C. Cooper and J.S. Mulchaey: Reversal or no reversal: the evolution of the star formation rate-density relation up to z ~ 1.6. Mon. Not. R. Astron. Soc. 437, 458-474 (2014).

Zoccali, M., O.A. Gonzalez, S. Vasquez, V. Hill, M. Rejkuba, E. Valenti, A. Renzini, A. Rojas-Arriagada, I. Martinez-Valpuesta, C. Babusiaux, T. Brown, D. Minniti and A. McWilliam: The GIRAFFE Inner Bulge Survey (GIBS). I. Survey description and a kinematical map of the Milky Way bulge. Astron. Astrophys. 562, A66 (2014).

Refereed Proceedings

Boller, Th., M. Roth, F. Gonzales, P. Aurora, D. Hadijimichef and C.A. Zen Vasconcello: Editors Note. In Proc of "Third International Symposium on Strong Electromagnetic Fields and Neutron Stars SMFNS2013", Varadero, Cuba, 2013. (Eds.) Th. Boller et al. Astronomische Nachrichten Vol. 335, Wiley-VCH, Berlin, 221 (2014).

Dennerl, K.: Unser Sonnensystem in Röntgenlicht – ein neuer Blick auf unsere kosmische Heimat. Max-Planck-Gesellschaft Jahrbuch 2014, published online (2014).

George, E. M., J. E. Austermann, J. A. Beall, D. Becker, B. A. Benson, L. E. Bleem, J. E. Carlstrom, C. L. Chang, H.-M. Cho, A. T. Crites, M. A. Dobbs, W. Everett, N. W. Halverson, J. W. Henning, G. C. Hilton, W. L. Holzapfel, J. Hubmayr, K. D. Irwin, D. Li, M. Lueker, J. J. McMahon, J. Mehl, J. Montgomery, T. Natoli, J. P. Nibarger, M. D. Niemack, V. Novosad, J. E. Ruhl, J. T. Sayre, E. Shirokoff, K. T. Story, G. Wang, V. Yefremenko, K. W. Yoon, E. Young: A Study of Al-Mn Transition Edge Sensor Engineering for Stability. In: Low Temperature Detectors 15 Pasadena, CA (USA), 2013. (Ed.) E. Shirokoff. Journal of Low Temperature Physics Vol. 176, Springer US, USA, 383-391 (2014).

Kanbach, G., A. Rau and A. Slowikowska: Fast photometry with small telescopes. Contributions of the Astronomical Observatory Skalnate Pleso 43, 216-227 (2014).

Instrumental Publications

Anugu, N., P. Garcia, A. Amorim, P. Gordo, F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier and K. Perraut: Near-infrared aberration tracking using a correlation algorithm on the Galactic Center. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91485B, 11 pp. (2014).

Anugu, N., P. Garcia, E. Wieprecht, A. Amorim, P. Gordo, L. Burtscher, T. Ott, P. Gordo, F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier and K. Perraut: The GRAVITY/VLTI acquisition camera software. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91462C, 13 pp. (2014).

Baudoz, P., A. Boccaletti, S. Lacour, R. Galicher, Y. Clénet, D. Gratadour, É. Gendron, T. Buey, G. Rousset, M. Hartl and R. Davies: The high contrast imaging modes of MICADO. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91479E, 9 pp. (2014).

Bavdaz, M., E. Wille, K. Wallace, B. Shortt, S. Fransen, M. Collon, M. Ackermann, G. Vacanti, R. Guenther, J. Haneveld, M.O. Riekerink, C. van Baren, D. Kampf, K.-H. Zuknik, F. Christensen, D. Della Monica Ferreira, A.C. Jakobsen, M. Krumrey, P. Müller, V. Burwitz, G. Pareschi and M. Ghigo: Preparing the optics technology to observe the hot universe. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91442F, 8 pp. (2014).

Bergbauer, B., S. Aschauer, A. Bähr, K. Hermenau, J. Horstmann, T. Lauf, P. Lechner, P. Majewski, N. Meidinger, J. Reiffers, R. Richter, C. Sandow, G. Schaller, F. Schopper, A. Stefanescu, L. Strüder and J. Treis: Electrical characterization of different DEPFET designs on die level. Journal of Instrumentation 9, C1020 (2014).

Blind, N., E. Le Coarer, P. Kern and J. Bland-Hawthorn: Astrophotonic micro-spectrographs in the era of ELTs. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914729, 9 pp. (2014).

Blind, N., F. Eisenhauer, M. Haug, S. Gillessen, M. Lippa, L. Burtscher, O. Hans, M. Haug, F. Haussmann, S. Huber, A. Janssen, S. Kellner, Y. Kok, T. Ott, O. Pfuhl, E. Sturm, J. Weber, E. Wieprecht, A. Amorim, W. Brandner, G. Perrin, K. Perraut, C. Straubmeier: GRAVITY: the calibration unit. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91461U 12 pp. (2014).

Blind, N., H. Huber, F. Eisenhauer, J. Weber, S. Gillessen, M. Lippa, L. Burtscher, O. Hans, M. Haug, F. Haussmann, S. Huber, A. Janssen, S. Kellner, Y. Kok, T. Ott, O. Pfuhl, E. Sturm, E. Wieprecht, A. Amorim, W. Brandner, G. Perrin, K. Perraut, C. Straubmeier: The GRAVITY metrology system: modeling a metrology in optical fibers. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914624 20 pp. (2014).

Breunig, E., P. Friedrich, L. Proserpio and A. Winter: Alignment and integration of slumped glass x-ray mirrors at MPE. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444B, 9 pp. (2014).

Breunig, E., P. Friedrich, L. Proserpio and A. Winter: Characterising x-ray mirror deformations with a phase measuring deflectometry system. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914449, 11 pp. (2014).

Bryant, A., C. Fischer, R. Hönle, S. Beckmann, S. Colditz, F. Fumi, N. Geis, C. Iserlohe, R. Klein, A. Krabbe, L. Looney, A. Poglitsch, W. Raab, S. Ragan, F. Rebell and M. Savage: FIFI-LS observation planning and data reduction. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91474G, 8 pp. (2014).

Burtscher, L., E. Wieprecht, T. Ott, Y. Kok, S. Yazici, N. Anugu, R. Dembet, P. Fedou, S. Lacour, J. Ott, T. Paumard, V. Lapeyrere, P. Kervella, R. Abuter, E. Pozna, F. Eisenhauer, N. Blind, R. Genzel, S. Gillessen, O. Hans, M. Haug, F. Haussmann, S. Kellner, M. Lippa, O. Pfuhl, E. Sturm, J. Weber, A. Amorim, W. Brandner, K. Rousselet-Perraut, G.S. Perrin, C. Straubmeier, M. Schoeller: The GRAVITY instrument software / High-level software. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham,

WA USA, id. 91462B, 8 pp. (2014).

Burwitz, V., P. Predehl, P. Friedrich, H. Bräuninger, J. Eder, E. Pfeffermann, W. Burkert, K. Dennerl, G. Hartner, B. Menz, M. Fürmetz, G. Valsecchi, F. Marioni and G. Grisoni: The calibration and testing of the eROSITA X-ray mirror assemblies. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91441X, 6 pp. (2014).

Bähr, A., S. Aschauer, B. Bergbauer, K. Hermenau, T. Lauf, P. Lechner, G. Lutz, P. Majewski, N. Meidinger, D. Miessner, M. Porro, R. Richter, G. Schaller, F. Schopper, A. Stefanescu, L. Strüder and J. Treis: Spectral performance of DEPFET and gateable DEPFET macropixel devices. Journal of Instrumentation 9, 3018P (2014).

Bähr, A., S. Aschauer, B. Bergbauer, P.H. Lechner, P. Majewski, N. Meidinger, S.M. Ott, M. Porro, R.H. Richter, L. Strüder and J. Treis: Development of DEPFET active pixel sensors to improve the spectroscopic response for high time resolution applications. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914411, 9 pp. (2014).

Cirasuolo, M., J. Afonso, M. Carollo, ..., R. Bender, ..., K. Nandra, ..., R. Saglia, A. Sanchez, et al.: MOONS: the Multi-Object Optical and Near-infrared Spectrograph for the VLT. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 9147ON, 13 pp. (2014).

Civitani, M., S. Basso, M. Ghigo, G. Pareschi, B. Salmaso, D. Spiga, G. Tagliaferri, G. Vecchi, V. Burwitz, G.D. Hartner and B. Menz: X-ray optical units made of glass: achievements and perspectives. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914416, 19 pp. (2014).

Clénet, Y., T.M. Buey, G. Rousset, M. Cohen, P. Feautrier, E. Gendron, Z. Hubert, F. Chemla, D. Gratadour, P. Baudoz, S. Lacour, A. Boccaletti, A. Sevin, F. Vidal, R. Galicher, D. Perret, B. Le Ruyet, F. Chapron, E. Stadler, P. Rabou, L. Jocou, S. Rochat, G. Chauvin and R. Davies: Overview of the MICADO SCAO system. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 9148OZ, 14 pp. (2014).

Cohen, M., F. Chemla, T. Buey, É. Gendron, Z. Hubert, M. Hartl, Y. Clénet and R. Davies: Optical design of the relay optics for the MICADO SCAO system. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914833, 12 pp. (2014).

Colditz, S., R. Klein, S. Beckmann, A. Bryant, C. Fischer, F. Fumi, N. Geis, R. Hönle, A. Krabbe, L.W. Looney, A. Poglitsch, W. Raab, S.E. Ragan, F. Rebell and M.L. Savage: Boresight calibration of FIFI-LS: in theory, in the lab and on sky. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91474S, 12 pp. (2014).

Collon, M.J., M. Ackermann, R. Günther, A. Chatbi, G. Vacanti, M. Vervest, A. Yanson, M.W. Beijersbergen, M. Bavdaz, E. Wille, J. Haneveld, M. Olde Riekerink, A. Koelewijn, C. van Baren, P. Müller, M. Krumrey, V. Burwitz, G. Sironi and M. Ghigo: Making the ATHENA optics using silicon pore optics. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91442G, 8 pp. (2014).

Deen, C., P. Yang, A. Huber, M. Suarez-Valles, S. Hippler, W. Brandner, E. Gendron, Y. Clénet, S. Kendrew, A. Glauser, R. Klein, W. Laun, R. Lenzen, U. Neumann, J. Panduro, J. Ramos, R.-R. Rohloff, A. Salzinger, N. Zimmerman, T. Henning, K. Perraut, G. Perrin, C. Straubmeier, A. Amorim and F. Eisenhauer: Integration and bench testing for the GRAVITY Coudé IR adaptive optics (CIAO) wavefront sensor. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91482T, 8 pp. (2014).

de Jong, R.S., S. Barden, O. Bellido-Tirado, ..., R. Bender, H.-J. Hess, F. Lang-Bardl, B. Muschielok, J. Schlichter, H. Böhringer, T. Boller, A. Bongiorno, M. Brusa, T. Dwelly, A. Merloni, K. Nandra, M. Salvato, et al.: 4MOST: 4-metre Multi-Object Spectroscopic Telescope. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91470M, 14 pp. (2014).

Deysenroth, M., M. Honsberg, H. Gemperlein, J. Ziegleder, W. Raab, S. Rabien, L. Barl, W. Gässler and J.L. Borelli: ARGOS laser system mechanical design. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91483H, 15 pp. (2014).

Fiorini, C., B. Nasri, S. Facchinetti, L. Bombelli, P. Fischer and M. Porro: A Simple Technique for Signal Compression in High Dynamic Range, High Speed X-ray Pixel De-

tectors. IEEE Transactions on Nuclear Science 61, 2595-2600 (2014).

Friedrich, P., C. Rohé, R. Gaida, J. Hartwig, F. Soller, H. Bräuninger, B. Budau, W. Burkert, V. Burwitz, J. Eder, G. Hartner, B. Menz and P. Predehl: The eROSITA x-ray baffle. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444R, 6 pp. (2014).

Fürmetz, M., J. Eder, E. Pfeffermann and P. Predehl: The x-ray telescope eROSITA: qualification of the thermal control system. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444X, 11 pp. (2014).

Ge, J., B. Zhao, S. Powell, P. Jiang, B. Uzakbaiuly and D. Tanner: An infrared high resolution silicon immersion grating spectrometer for airborne and space missions. In Proc. of "Space Telescopes and Instrumentation 2014: Optical, Infrared, and Millimeter Wave", Montreal, Canada, 2014. (Eds.) J.M. Oschmann, M. Clampin, G.G. Fazio, H.A. MacEwen. SPIE Conference Proceedings 9143E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91434T (2014).

Ge, J., S. Powell, B. Zhao, S. Schofield, F. Varosi, C. Warner, J. Liu, S. Sithajan, L. Avner, H. Jakeman, J.A. Gittelmacher, W.A. Yoder, M. Muterspaugh, M. Williamson and J.E. Maxwell: On-sky performance of a high resolution silicon immersion grating spectrometer. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91471A (2014).

Grupp, F., E. Prieto, N. Geis, A. Bode, R. Katterloher, C. Bodendorf, D. Penka and R. Bender: The EUCLID NISP tolerancing concept and results. In Proc. of "Space Telescopes and Instrumentation 2014: Optical, Infrared, and Millimeter Wave", Montreal, Canada, 2014. (Eds.) J.M. Oschmann, M. Clampin, G.G. Fazio, H.A. MacEwen. SPIE Conference Proceedings 9143E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91432X, 17 pp.(2014).

Gössl, C., J. Snigula, M. Kodric, A. Riffeser and T. Munzert: Wendelstein Observatory control software. In Proc. of "Software and Cyberinfrastructure for Astronomy III", Montreal, Canada, 2014. (Eds.) G. Chiozzi, N.M. Radziwill. SPIE Conference Proceedings 9152E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91520H, 7 pp. (2014).

Götz, D., J. Osborne, B. Cordier, J. Paul, P. Evans, A. Beardmore, A. Martindale, R. Willingale, P. O'Brien, S. Basa, C. Rossin, O. Godet, N. Webb, J. Greiner, K. Nandra, N. Meidinger, E. Perinati, A. Santangelo, K. Mercier and F. Gonzalez: The microchannel x-ray telescope for the gamma-ray burst mission SVOM. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914423, 12 pp. (2014).

Haeuser, M., F. Lang-Bardl, J. Richter, H.-J. Hess, A. Degwert, A. Karasz, R. Kosyra, U. Hopp and R. Bender: Presenting a high accuracy Theta-Phi-style fiber-positioner prototype with a 15-mm pitch. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91476V, 14 pp. (2014).

Haug, M., F. Haussmann, S. Kellner, L. Kern, F. Eisenhauer, J.-L. Lizon, M. Dietrich and G. Thummes: Low vibration cooling using a pulse tube cooler and cryostat for the GRAVITY beam combiner instrument at the VLTI. In Proc. of "Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation", Montreal, Canada, 2014. (Eds.) R. Navarro, C.R. Cunningham, A.A. Barto. SPIE Conference Proceedings 9151E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91513C, 11 pp. (2014).

Haynes, R., S. Barden, R. de Jong, ..., F. Grupp, H. Böhringer, T. Boller, T. Dwelly, R. Bender, et al.: The 4MOST instrument concept overview. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91476I, 12 pp. (2014).

Hill, G.J., S.E. Tuttle, N. Drory, H. Lee, B.L. Vattiat, D.L. de Poy, J.L. Marshall, A. Kelz, D. Haynes, M.H. Fabricius, K. Gebhardt, R.D. Allen, H. Anwad, R. Bender, G. Blanc, T. Chonis, M.E. Cornell, G. Dalton, J. Good, T. Jahn, H. Kriel, M. Landriau, P.J. MacQueen, J.D. Murphy, T.W. Peterson, T. Prochaska, H. Nicklas, J. Ramsey, M.M. Roth, R.D. Savage and J. Snigula: VIRUS: production and deployment of a massively replicated fiber integral field spectrograph for the upgraded Hobby-Eberly Telescope. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91470Q, 27 pp. (2014).

Hopp, U., R. Bender, F. Grupp, C. Goessl, F. Lang-Bardl, W. Mitsch, A. Riffeser and N. Ageorges: Commissioning and science verification of the 2m-Fraunhofer Wendelstein Telescope. In Proc. of "Ground-based and Airborne Telescopes V", Montreal, Canada, 2014. (Eds.) L.M. Stepp, R. Gilmozzi, H.J. Hall. SPIE Conference Proceedings 9145E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91452D, 12 pp. (2014).

Kelz, A., T. Jahn, D. Haynes, G.J. Hill, H. Lee, J.D. Murphy, J. Neumann, H. Nicklas, M. Rutowska, C. Sandin,

O. Streicher, S. Tuttle, M. Fabricius, S.M. Bauer, B. Vattiat, H. Anwand and R. Savage: VIRUS: assembly, testing and performance of 33,000 fibres for HETDEX. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914775, 12 pp. (2014).

Klein, R., S. Beckmann, A. Bryant, S. Colditz, C. Fischer, F. Fumi, N. Geis, R. Hönle, A. Krabbe, L. Looney, A. Poglitsch, W. Raab, F. Rebell and M. Savage: FIFI-LS: the facility far-infrared spectrometer for SOFIA. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91472X, 8 pp. (2014).

Kok, Y., M. J. Ireland, A. C. Rizzuto, P. G. Tuthill, J. G. Robertson, B. A. Warrington and W. J. Tango: Alternative approach to precision narrow-angle astrometry for Antarctic long baseline interferometry. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91462R, 17 pp. (2014).

Kok, Y., S. Gillessen, S. Lacour, F. Eisenhauer, N. Blind, J. Weber, M. Lippa, O. Pfuhl, L. Burtscher, E. Wieprecht, T. Ott, M. Haug, S. Kellner, F. Haussmann, E. Sturm, A. Janssen, R Genzel, G. Perrin, K. Perraut, C. Straubmeier, W. Brandner, A. Amorim and O. Hans: GRAVITY: the impact of non-common optical paths within the metrology system. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914625, 17 pp. (2014).

Kosyra, R., C. Gössl, U. Hopp, F. Lang-Bardl, A. Riffeser, R. Bender and S. Seitz: The 64 Mpixel wide field imager for the Wendelstein 2m telescope: design and calibration. Experimental Astronomy 38, 213-248 (2014).

Kulas, M., J.L. Borelli, W. Gässler, D. Peter, S. Rabien, G. Orban de Xivry, L. Busoni, M. Bonaglia, T. Mazzoni and G. Rahmer: Practical experience with test-driven development during commissioning of the multi-star AO system ARGOS. In Proc. of "Software and Cyberinfrastructure for Astronomy III", Montreal, Canada, 2014. (Eds.) G. Chiozzi, N.M. Radziwill. SPIE Conference Proceedings 9152E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91520D, 10 pp. (2014).

Kuntschner, H., L. Jochum, P. Amico, ..., F. Eisenhauer, E. Sturm, H. Feuchtgruber, E.M. George, M. Hartl, R. Hofmann, H. Huber, M.P. Plattner, J. Schubert, K. Tarantik, E. Wiezorrek, et al.: ERIS: preliminary design phase overview. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91471U, 13 pp. (2014).

Lacour, S., P. Baudoz, E. Gendron, A. Boccaletti, R. Galicher, Y. Clénet, D. Gratadour, T. Buey, G. Rousset, M. Hartl and R. Davies: An aperture masking mode for the MICADO instrument. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91479F, 7 pp. (2014).

Lacour, S., F. Eisenhauer, S. Gillessen, O. Pfuhl, Y. Kok, G. Perrin, K. Rousselet-Perraut, C. Straubmeier, W. Brandner, A. Amorin, J. Woillez, H. Bonnet: The interferometric baselines and GRAVITY astrometric error budget. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91462E, 6 pp.(2014).

Lazareff, B., N. Blind, L. Jocou, F. Eisenhauer, K. Perraut, S. Lacour, F. Delplancke, M. Schoeller, A. Amorim, W. Brandner, G. Perrin, C. Straubmeier: Telescope birefringence and phase errors in the Gravity instrument at the VLT interferometer. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91460X, 15 pp. (2014).

Lippa, M., N. Blind, S. Gillessen, Y. Kok, J. Weber, F. Eisenhauer, O. Pfuhl, A. Janssen, M. Haug, F. Haußmann, S. Kellner, O. Hans, E. Wieprecht, T. Ott, L. Burtscher, R. Genzel, E. Sturm, R. Hofmann, S. Huber, D. Huber, S. Senftleben, A. Pflüger, R. Greßmann, G. Perrin, K. Perraut, W. Brandner, C. Straubmeier, A. Amorim and M. Schöller: The GRAVITY metrology system: narrow-angle astrometry via phase-shifting interferometry. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914622, 11 pp. (2014).

Maciaszek, T., A. Ealet, K. Jahnke, ..., F. Grupp, C. Vogel, et al.: Euclid near infrared spectrophotometer instrument concept and first test results at the end of phase B. In Proc. of "Space Telescopes and Instrumentation 2014: Optical, Infrared, and Millimeter Wave", Montreal, Canada, 2014. (Eds.) J.M. Oschmann, M. Clampin, G.G. Fazio, H.A. MacEwen. SPIE Conference Proceedings 9143E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91430K, 14 pp. (2014).

Meidinger, N., K. Nandra, M. Plattner, M. Porro, A. Rau, A.E. Santangelo, C. Tenzer and J. Wilms: The wide field imager instrument for Athena. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engi-

neering, Bellingham, WA USA, id. 91442J, 12 pp. (2014).

Meidinger, N., R. Andritschke, W. Bornemann, D. Coutinho, V. Emberger, O. Hälker, W. Kink, B. Mican, S. Müller, D. Pietschner, P. Predehl and J. Reiffers: Report on the eROSITA camera system. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91441W, 12 pp. (2014).

Menz, B., H. Bräuninger, V. Burwitz, G. Hartner and P. Predehl: Studying ATHENA optics with divergent and collimated x-ray beams. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91445J, 8 pp. (2014).

Meuris, A., F. Pinsard, E. Doumayrou, T. Tourrette, D. Götz, M. Carty, M. Donati, L. Dumaye, A. Goetschy, F. Nico, N. Meidinger, D. Miessner and K. Mercier: The camera of the Microchannel X-ray telescope onboard the SVOM mission. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444Z, 10 pp. (2014).

Orban de Xivry, G., M. Bonaglia, J. Borelli, L. Busoni, C. Connot, S. Esposito, W. Gaessler, M. Kulas, T. Mazzoni, A. Puglisi, S. Rabien, J. Storm and J. Ziegleder: ARGOS wavefront sensing: from detection to correction. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914834, 10 pp. (2014).

Ott, T.O., E.W. Wieprecht, L.B. Burtscher, Y.K. Kok, S.Y. Yazici, N.A. Anugu, R.D. Dembet, P.F. Fedou, S.L. Lacour, J.O. Ott, F.E. Eisenhauer, N.B. Blind, R.G. Genzel, S.G. Gillessen, O.H. Hans, M.H. Haug, F.H. Haussmann, S.H. Huber, A.J. Janssen, S.K. Kellner, M.L. Lippa, O.P. Pfuhl, E.S. Sturm, J.W. Weber, A.A. Amorim, W.B. Brandner, K.R. Rousselet-Perraut, G.P. Perrin, C.S. Straubmeier, M.S. Schöller and R.A. Abuter: The GRAVITY instrument software/hardware related aspects. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 9146-8191462A-1-91462A-6 (2014).

Perinati, E., S. Bugiel, M. Freyberg, S. Diebold, A. Santangelo, R. Srama, C. Tenzer and A. von Kienlin: Bumber filter against micrometeoroids for eROSITA. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444W, 6 pp. (2014).

Perinati, E., T. Mineo, M. Freyberg, S. Diebold, A. Santangelo and C. Tenzer: Analysis of proton propagation through the eROSITA telescope. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91444V, 6 pp. (2014).

Pfuhl, O., M. Haug, F. Eisenhauer, S. Kellner, F. Haussmann, G. Perrin; S. Gillessen, C. Straubmeier, T. Ott, K. Rousselet-Perraut, A. Amorim, M. Lippa, A. Janssen, W. Brandner, Y. Kok, N. Blind, L. Burtscher, E. Sturm, E. Wieprecht, M. Schoeller, J. Weber: The fiber coupler and beam stabilization system of the GRAVITY interferometer. In Proc. of "Optical and Infrared Interferometry IV", Montreal, Canada, 2014. (Eds.) J.R. Rajagopal, M.C. Creech-Eakman, F.M. Malbet. SPIE Conference Proceedings 9146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914623, 14 pp. (2014).

Porro, M., D. Bianchi, G. de Vita, S. Herrmann, A. Wassatsch, A. Bähr, B. Bergbauer, N. Meidinger, S. Ott and J. Treis: VERITAS 2.0 a multi-channel readout ASIC suitable for the DEPFET arrays of the WFI for Athena. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91445N, 8 pp. (2014).

Predehl, P., R. Andritschke, W. Becker, W. Bornemann, H. Bräuninger, H. Brunner, T. Boller, V. Burwitz, W. Burkert, N. Clerc, E. Churazov, D. Coutinho, K. Dennerl, J. Eder, V. Emberger, T. Eraerds, M.J. Freyberg, P. Friedrich, M. Fürmetz, A. Georgakakis, C. Grossberger, F. Haberl, O. Hälker, G. Hartner, G. Hasinger, J. Hoelzl, H. Huber, A. von Kienlin, W. Kink, I. Kreykenbohm, G. Lamer, I. Lomakin, I. Lapchov, L. Lovisari, N. Meidinger, A. Merloni, B. Mican, J. Mohr, S. Müller, K. Nandra, F. Pacaud, M.N. Pavlinsky, E. Perinati, E. Pfeffermann, D. Pietschner, J. Reiffers, T. Reiprich, J. Robrade, M. Salvato, A.E. Santangelo, M. Sasaki, H. Scheuerle, C. Schmid, J. Schmitt, A.D. Schwope, R. Sunyaev, C. Tenzer, L. Tiedemann, W. Xu, V. Yaroshenko, S. Walther, M. Wille, J. Wilms and Y.-Y. Zhang: eROSITA on SRG. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91441T, 6 pp. (2014).

Proserpio, L., E. Breunig, P. Friedrich and A. Winter: Optical design for ATHENA X-ray telescope based on slumped mirror segments. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91445L, 7 pp. (2014).

Proserpio, L., T. Döhring, E. Breunig, P. Friedrich and A.

Winter: Industrialization scenario for X-ray telescopes production based on glass slumping. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914448, 14 pp. (2014).

Raab, W., S. Rabien, W. Gässler, S. Esposito, L. Barl, J. Borelli, M. Daysenroth, H. Gemperlein, M. Kulas and J. Ziegleder: The ARGOS laser system: green light for ground layer adaptive optics at the LBT. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91483K, 13 pp. (2014).

Rabien, S., L. Barl, U. Beckmann, M. Bonaglia, J.L. Borelli, J. Brynnel, P. Buschkamp, L. Busoni, J. Christou, C. Connot, R. Davies, M. Deysenroth, S. Esposito, W. Gässler, H. Gemperlein, M. Hart, M. Kulas, M. Lefebvre, M. Lehmitz, T. Mazzoni, E. Nussbaum, G. Orban de Xivry, D. Peter, A. Quirrenbach, W. Raab, G. Rahmer, J. Storm and J. Ziegleder: Status of the ARGOS project. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91481B, 13 pp. (2014).

Rahmer, G., M. Lefebvre, J. Christou, W. Raab, S. Rabien, J. Ziegleder, J.L. Borelli and W. Gässler: Early laser operations at the Large Binocular Telescope Observatory. In Proc. of "Observatory Operations: Strategies, Process, and Systems V", Montreal, Canada, 2014. (Eds.) A.B. Peck, C.R. Benn, R.L. Seaman. SPIE Conference Proceedings 9149E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91492A, 12 pp. (2014).

Rebell, F., W. Raab, S. Colditz, S. Beckmann, A. Bryant, C. Fischer, F. Fumi, N. Geis, R. Hönle, R. Klein, A. Krabbe, L. Looney, A. Poglitsch, S. Ragan and M. Savage: Precise angular positioning at 6K: the FIFI-LS grating assembly. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914735, 9 pp. (2014).

Sharples, R., R. Bender, A. Agudo Berbel, R. Bennett, N. Bezawada, R. Castillo, M. Cirasuolo, P. Clark, G. Davidson, R. Davies, R. Davies, M. Dubbeldam, A. Fairley, G. Finger, N.F. Schreiber, R. Genzel, R. Haefner, A. Hess, I. Jung, I. Lewis, D. Montgomery, J. Murray, B. Muschielok, J. Pirard, S. Ramsay, P. Rees, J. Richter, D. Robertson, I. Robson, S. Rolt, R. Saglia, I. Saviane, J. Schlichter, L. Schmidtobreik, A. Segovia, A. Smette, M. Tecza, S. Todd, M. Wegner and E. Wiezorrek: Performance of the K-band multi-object spectrograph (KMOS) on the ESO VLT. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91470W, 9 pp. (2014).

Spiga, D., G. Tagliaferri, P. Soffitta, O. Citterio, S. Basso, R. Bellazzini, A. Brez, W. Burkert, V. Burwitz, E. Costa, L. de Ruvo, E. Del Monte, S. Fabiani, G. Hartner, B. Menz, M. Minuti, F. Muleri, G. Pareschi, M. Pinchera, A. Rubini, C. Sgrò and G. Spandre: Re-testing the JET-X Flight Module No. 2 at the PANTER facility. Experimental Astronomy 37, 37-53 (2014).

Thatte, N.A., F. Clarke, I. Bryson, H. Schnetler, M. Tecza, R.M. Bacon, A. Remillieux, E. Mediavilla, J.M. Herreros Linares, S. Arribas, C.J. Evans, D.W. Lunney, T. Fusco, K. O'Brien, I.A. Tosh, D.J. Ives, G. Finger, R. Houghton, R.L. Davies, J.D. Lynn, J.R. Allen, S.D. Zieleniewski, S. Kendrew, V. Ferraro-Wood, A. Pécontal-Rousset, J. Kosmalski, J. Richard, A. Jarno, A.M. Gallie, D.M. Montgomery, D. Henry, G. Zins, D. Freeman, B. García-Lorenzo, L.F. Rodríguez-Ramos, J.S.C. Revuelta, E. Hernandez Suarez, A. Bueno-Bueno, J.V. Gigante-Ripoll, A. Garcia, K. Dohlen and B. Neichel: HARMONI: the first light integral field spectrograph for the E-ELT. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914725, 11 pp. (2014).

Tuttle, S.E., G.J. Hill, H. Lee, B. Vattiat, E. Noyola, N. Drory, M. Cornell, T. Peterson, T. Chonis, R. Allen, G. Dalton, D. de Poy, D. Edmonston, M. Fabricius, D. Haynes, A. Kelz, M. Landriau, M. Lesser, B. Leach, J. Marshall, J. Murphy, D. Perry, T. Prochaska, J. Ramsey and R. Savage: The construction, alignment, and installation of the VIRUS spectrograph. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91470R, 13 pp. (2014).

Vidal, F., E. Gendron, Y. Clénet, D. Gratadour, G. Rousset and R. Davies: Adaptive optics simulations for the MICADO SCAO system. In Proc. of "Adaptive Optics Systems IV", Montreal, Canada, 2014. (Eds.) E. Marchetti, L.M. Close, J.-P. Véran. SPIE Conference Proceedings 9148E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914861, 14 pp. (2014).

Wiest, M., S. Yazici, S. Fischer, M. Thiel, M. Haug, C. Araujo-Hauck, C. Straubmeier, I. Wank, F. Eisenhauer, G. Perrin, W. Brandner, K. Perraut, A. Amorim, M. Schöller and A. Eckart: The GRAVITY spectrometers: design report of the optomechanics and active cryogenic mechanisms. In Proc. of "Ground-based and Airborne Instrumentation for Astronomy V", Montreal, Canada, 2014. (Eds.) S.K. Ramsay, I.S. McLean, H. Takami. SPIE Conference Proceedings 9147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91472M, 9 pp. (2014).

Wilms, J., T. Brand, D. Barret, T. Beuchert, J.-W. den Her-

der, I. Kreykenbohm, S. Lotti, N. Meidinger, K. Nandra, P. Peille, L. Piro, A. Rau, C. Schmid, R.K. Smith, C. Tenzer, M. Wille and R. Willingale: ATHENA end-to-end simulations. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91445X, 9 pp. (2014).

Winter, A., E. Breunig, P. Friedrich and L. Proserpio: Analysis of the optical surface properties in the indirect glass slumping. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 914442, 6 pp. (2014).

Winter, A., E. Breunig, P. Friedrich and L. Proserpio: Progress on indirect glass slumping for future x-ray telescope optics. In Proc. of "Space Telescopes and Instrumentation 2014: Ultraviolet to Gamma Ray", Montreal, Canada, 2014. (Eds.) T. Takahashi, J.-W. den Herder, M. Bautz. SPIE Conference Proceedings 9144E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, id. 91441C, 8 pp. (2014).

Non-refereed Publications

Alig, C., M. Schartmann, A. Burkert and K. Dolag: Young stellar disks formed by the collision of a molecular cloud with a circumnuclear disk at the Galactic center. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 185-187 (2014).

Anthonioz, F., F. Ménard, C. Pinte, W.-F. Thi, J.-B. Lebouquin, J.-P. Berger, M. Benisty, O. Absil, G. Duchène, B. Lazareff, F. Malbet, R. Millan-Gabet, W. Traub and G. Zins: The VLTi/PIONIER survey of southern TTauri disks. In Proc. of "IAUS 299: Exploring the formation and evolution of planetary systems", Vivtoria, Canada, 2013. (Eds.) B. Matthews, J. Graham. Proc. IAU 299, Cambridge University Press, Cambridge, UK, 94-98 (2014).

Bañados, E., B.P. Venemans, F. Walter, J. Kurk, R. Overzier and M. Ouchi: The galaxy environment of a QSO at z ~ 5.7. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 341-342 (2014).

Ballone, A., M. Schartmann, A. Burkert, S. Gillessen, R. Genzel, T.K. Fritz, F. Eisenhauer, O. Pfuhl and T. Ott: Hydrodynamical simulations of a compact source scenario for G2. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 307-311 (2014).

Bandyopadhyay, P., D. Sharma, U. Konopka and G. Morfill: Observation of spatio-temporal pattern in magnetised rf plasmas. In Proc. of "Int. Conf. on Complex Processes in Plasmas and nonlinear dynamical Systems", Gandhinagar, India, 2012. (Eds.) A. Das, A. Surjalal. AIP. Conf. Proc. 1582, American Institute of Physics, Melville, NY USA, 281-287 (2014).

Batic, M., M. Begalli, M.C. Han, S. Hauf, G. Hoff, C.H. Kim, H.S. Kim, M. Grazia Pia, P. Saracco and G. Weidenspointner: Photons Revisited. In Proc. of "SNA and MC 2013", Paris, France, 2013. (Eds.) D. Caruge, C. Calvin, C.M. Diop, F. Malvagi, J.-C. Trama. EDP Sciences, 2014, published online, id. 02104 (2014).

Boller, T., M. Freyberg and J. Truemper: The second ROSAT All-Sky Survey source catalogue: the deepest X-ray All-Sky Survey before eROSITA. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 40 (2014).

Bott, K., L. Kedziora-Chudczer and J. Bailey: VSTAR Models of a Hot Jupiter. In Proc. of "IAUS 299: Exploring the formation and evolution of planetary systems", Vivtoria, Canada, 2013. (Eds.) B. Matthews, J. Graham. Proc. IAU 299, Cambridge University Press, Cambridge, UK, 279-280 (2014).

Brightman, M. and K. Nandra: Compton thick AGN in Chandra sureys. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 153-154 (2014).

Böhringer, H.: X-ray observations of the chemical abundances in the Intra-Cluster Medium. Mem. Soc. Astron. Ital. 85, 396 (2014).

Cappi, M., B. de Marco, G. Ponti and NGC 5548 Collaboration: Anatomy of the AGN in NGC 5548: Evidence for an unexpected, new, heavy, variable and complex absorber. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 44 (2014).

Carrera, F., A. Georgakakis, T. Akylas, I. Georgantopoulos, A. Comastri, J. Aird and X. Barcons: Completing the census of heavily obscured AGN with Athena. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 45 (2014).

Cavalié, T., E. Lellouch, P. Hartogh, R. Moreno, F. Billebaud, D. Bockelée-Morvan, N. Biver, T. Cassidy, R. Courtin, J. Crovisier, M. Dobrijevic, H. Feuchtgruber, A. González, T. Greathouse, C. Jarchow, M. Kidger, L.M. Lara, M. Rengel, G. Orton, H. Sagawa and M. de Val-Borro: The origin of external oxygen in Jupiter and Saturn's environments. In Proc. of "Annual meeting of the French Society of Astronomy and Astrophysics", Paris, France, 2014. (Eds.) J. Ballet, F. Martins, F. Bournaud, R. Monier. In: SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics, 173-176 (2014).

Chon, G. and H. Böhringer: Characterising our Universe with the REFLEX II cluster survey. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 48 (2014).

Clavel, M., R. Terrier, A. Goldwurm, M.R. Morris, G. Ponti, S. Soldi and G. Trap: The reflection of two past outbursts of Sagittarius A* observed by Chandra during the last decade. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 344-348 (2014).

Clavel, M., S. Soldi, R. Terrier, A. Goldwurm, M.R. Morris and G. Ponti: Modeling the propagation of Sagittarius A*'s past activity. In Proc. of "Annual meeting of the French Society of Astronomy and Astrophysics", Paris, France, 2014. (Eds.) J. Ballet, F. Martins, F. Bournaud, R. Monier. In: SF2A-2014: Proceedings of the Annual meeting of the

French Society of Astronomy and Astrophysics, 85-88 (2014).

Clerc, N.: The cosmological analysis of large X-ray galaxy cluster surveys. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 238 (2014).

Coccato, L., M. Arnaboldi and O. Gerhard: Multi-Spin Components in the Halos of Early-Type Galaxies Revealed by Planetary Nebulae and Globular Clusters. In Proc. of "Multi-Spin Galaxies", Naples, Italy, 2013. (Eds.) E. Iodice, M. Corsini. ASP Conf. Ser. 486, Astronomical Society of the Pacific, San Francisco, CA USA, 179 (2014).

Davies, R.: Imminent understanding of the structure of nearby AGN from IFUs. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 252 (2014).

De Luca, A., D. D'Agostino, F. Haberl, A. Tiengo, M. Watson and J. Wilms: The EXTraS project: Exploring the X-ray Transient and variable Sky. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 58 (2014).

De Marco, B.: Timing properties and X-ray lags of an ultraluminous X-ray source. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 59 (2014).

Diehl, R.: Cosmic radioactivity and INTEGRAL results. In Proc. of "Origin of Matter and Evolution of Galaxies", Tsukuba, Japan, 2013. (Eds.) S. Jeong, N. Imai, H. Miyatake, T. Kajino. AIP. Conf. Proc. 1594, American Institute of Physics, Melville, NY USA, 109-116 (2014).

Dovciak, M., B. de Marco, E. Kara, G. Matt, V. Karas, G. Miniutti and W. Alston: Reverberation mapping in the lamp-post geometry of the compact corona illuminating a black-hole accretion disc in AGN. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 244 (2014).

Fabricius, M.H., L. Coccato, R. Bender, N. Drory, R.P. Saglia, M. Williams and M. Landriau: Dissecting the Multi-Component Nature of NGC 7217 with VIRUS-W: Two Co-Rotating Stellar Components. In Proc. of "Multi-Spin Galaxies", Naples, Italy, 2013. (Eds.) E. Iodice, M. Corsini. ASP Conf. Ser. 486, Astronomical Society of the Pacific, San Francisco, CA USA, 157 (2014).

Freundlich, J., P. Salomé, F. Combes, L. Tacconi, R. Neri, S. Garcia-Burillo, R. Genzel, T. Contini and S. Lilly: High-redshift star formation efficiency as uncovered by the IRAM PHIBSS programs. In Proc. of "Annual meeting of the French Society of Astronomy and Astrophysics", Paris, France, 2014. (Eds.) J. Ballet, F. Martins, F. Bournaud, R. Monier. In: SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics, 387-390 (2014).

Fritz, T.K., S. Chatzopoulos, O. Gerhard, S. Gillessen, R. Genzel, O. Pfuhl, S. Tacchella, F. Eisenhauer and T. Ott: The nuclear cluster of the Milky Way: total mass and luminosity. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 248-251 (2014).

Georgakakis, A.: Investigating different AGN fuelling modes since z=1. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 80 (2014).

Giles, P., F. Pacaud and N. Clerc: The Luminosity-Temperature Relation of Clusters Detected in the XXL Survey. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 83 (2014).

Gilfanov, M. and A. Merloni: Observational Appearance of Black Holes in X-Ray Binaries and AGN. Space Sci. Rev. 183, 121-148 (2014).

Gillessen, S., R. Genzel, T.K. Fritz, F. Eisenhauer, O. Pfuhl, T. Ott, A. Burkert, M. Schartmann and A. Ballone: Observations of the gas cloud G2 in the Galactic center. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 254-263 (2014).

Gössl, C.A., J.M. Snigula and T. Munzert: Wendelstein Observatory Operations Software. In Proc. of "Astronomical Data Analysis Software and Systems XXIII", Waikoloa Beach, Hawaii, USA, 2013. (Eds.) N. Manset, P. Forshay. ASP Conf. Ser. 485, Astronomical Society of the Pacific, San Francisco, CA USA, 45 (2014).

Haberl, F.: The XMM-Newton survey of the Large (and Small) Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 4 (2014).

Henze, M., W. Pietsch, F. Haberl, M. della Valle, G. Sala, D. Hatzidimitriou, F. Hofmann, M. Hernanz, D. Hartmann and J. Greiner: Novae as supersoft X-ray sources in the Andromeda galaxy. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 90 (2014).

Hofmann, F., J. Sanders, N. Clerc and K. Nandra: Galaxy Cluster Substructure Study. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 258 (2014).

Hsu, L., M. Salvato, K. Nandra and M. Brusa: CANDELS/

GOODS-S, CDFS, ECDFS: Photometric Redshifts For X-Ray Detected AGNs. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 259 (2014).

Kaastra, J., G. Kriss, M. Cappi, …, K. Nandra, …, G. Ponti, et al.: Anatomy of the AGN in NGC 5548: Discovery of a fast and massive outflow. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 94 (2014).

Kavanagh, P., M. Sasaki, L. Bozzetto, M. Filipović, F. Haberl, P. Maggi and S. Points: XMM-Newton observations of 30 Dor C in the Large Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 96 (2014).

Kluska, J., F. Malbet, J.-P. Berger, M. Benisty, B. Lazareff, J.-B. Le Bouquin, F. Baron, C. Dominik, A. Isella, A. Juhasz, S. Kraus, R. Lachaume, F. Ménard, R. Millan-Gabet, J. Monnier, C. Pinte, F. Soulez, M. Tallon, W.-F. Thi, É. Thiébaut and G. Zins: Imaging Young Stellar Objects with VLTi/PIONIER. In Proc. of "Improving the performances of current optical interferometers & future designs", Haute-Provence Observatory, France, 2013. (Eds.) L. Arnold, H. Le Coroller, J. Surdej, Proceedings of the OHP2013 Colloquium, Observatoire de Haute-Provence, Institut Pytheas, 263-273 (2014).

Kluska, J., F. Malbet, J.-P. Berger, M. Benisty, B. Lazareff, J.-B. Le Bouquin, F. Baron, C. Dominik, A. Isella, A. Juhasz, S. Kraus, R. Lachaume, F. Ménard, R. Millan-Gabet, J.D. Monnier, C. Pinte, W.-F. Thi, E. Thiebaut and G. Zins: First images from the PIONIER/VLTI optical interferometry imaging survey of Herbig Ae/Be stars. In Proc. of "IAUS 299: Exploring the Formation and Evolution of Planetary Systems", Victoria, Canada, 2013. (Eds.) B. Matthews, J. Graham. Proc. IAU 299, Cambridge University Press, Cambridge, UK, 117-118 (2014).

Kok, Y., M.J. Ireland, J.G. Robertson, P.G. Tuthill, B.A. Warrington and W.J. Tango: Narrow-angle Astrometry with SUSI. In Proc. of "Resolving the Future of Astronomy with long-baseline Interferometry", Socorro, USA, 2011. (Eds.) M.J. Creech-Eakman, J.A. Guzik, R.E. Stencel. ASP Conf. Ser. 487, Astronomical Society of the Pacific, San Francisco, CA USA, 327 (2014).

Kulkarni, S., D. Wilman, P. Erwin, J. Koppenhöfer, L. Gutierrez, J. Beckman, R. Saglia and R. Bender: Hα Surface Brightness Profiles of Star-Forming Galaxies and Dependence on Halo Mass Using the HAGGIS Survey. In Proc. of "Structure and Dynamics of Disk Galaxies", Morrilton, USA, 2013. (Eds.) M.S. Seigar, P. Treuthardt. ASP Conf. Ser. 480, Astronomical Society of the Pacific, San Francisco, CA USA, 255 (2014).

Körner, Ch., D. Kampf, A. Poglitsch, J. Schubert, U. Ruppert and M. Schoele: Development of Cryogenic Filterwheels for the HERSCHEL Photodetector Array Camera & Spectrometer (PACS). In: Proceedings of the 42nd Aerospace Mechanisms Symposium, NASA Goddard Space Flight Center, May 14-16, 2014. (Eds.) Ch. Körner et al. 42nd Aerospace Mechanism Symposium Vol. NASA/CP–2014-217519, Goddard Space Flight Center, Greenbelt, Maryland 20771, 19-30 (2014).

Kümmel, M., J. Mohr, S. Desai, R. Henderson, J. Koppenhoefer, K. Paech and M. Wetzstein: Testing Photometric Methods in the Euclid Testbed. In Proc. of "Astronomical Data Analysis Software and Systems XXIII", Waikoloa Beach, Hawaii, USA, 2013. (Eds.) N. Manset, P. Forshay. ASP Conf. Ser. 485, Astronomical Society of the Pacific, San Francisco, CA USA, 513-516 (2014).

La Massa, S., C. Urry, N. Cappelluti, A. Comastri, E. Glikman, G. Richards, H. Böhringer, S. Murray and F. Civano: Discovering Rare AGN with Stripe 82X. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 111 (2014).

Le Guillou, C., H.G. Changela, R. Dohmen, T. Müller, A.J. Brearley, C. Vollmer, D. Rogalla and H.-W. Becker: The Valency of Iron in the Silicates of CR Chondrite Matrices: Observations and Experiments. In Proc. of "45th Lunar and Planetary Science Conference". The Woodlands, USA, 2014. (Eds.) LPI Editorial Board. Proc. Lunar and Planetary Institute Science Conferences 45, Lunar and Planetary Institute, 2052 (2014).

Lisse, C.M., D.J. Christian, S.J. Wolk, K. Dennerl, M.R. Combi, S.T. Lepri and T.H. Zurbuchen: Chandra X-Ray Observatory Observations of Dynamically New Comet C/2012 S1 (ISON): First Detection of OVI Emission by the HRC-I from an X-Ray Bright Comet. In Proc. of "45th Lunar and Planetary Science Conference", The Woodlands, USA, 2014. (Eds.) LPI Editorial Board. Proc. Lunar and Planetary Institute Science Conferences 45, Lunar and Planetary Institute, 2065 (2014).

Liu, Z., A. Merloni, A. Georgakakis, M. Menzel, J. Buchner and K. Nandra: X-ray spectroscopic study of the largest X-ray selected spectroscopic AGN sample in the XMM-XXL north. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 273 (2014).

Madigan, A.-M., O. Pfuhl, Y. Levin, S. Gillessen, R. Genzel and H.B. Perets: On the origin of young stars at the Galactic center. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 238-241 (2014).

Maggi, P., F. Haberl, M. Sasaki, P. Kavanagh, M. Filipović, L. Bozzetto, S. Points, Y. Chu, R. Gruendl and J. Dickel: New X-ray lights on the supernova remnant population of the Large Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 123 (2014).

Mancini Pires, A., F. Haberl, V. Zavlin, C. Motch, S. Zane

and M. Hohle: The most magnificent of the seven? A candidate spin and spin down for RX J1605.3+3249. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 124 (2014).

Mantovani, G., K. Nandra and G. Ponti: Relativistic iron K alpha line detection in the Suzaku spectra of IC4329a. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 125 (2014).

Merloni, A. and A. Bongiorno: The host galaxies of X-ray selected AGN: feeding and feedback. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 135 (2014).

Miyaji, T., M. Krumpe and H. Brunner: Chandra Observation of the AKARI NEP Deep Field. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 244-244 (2014).

Mueller-Sanchez, F., M. Malkan, E. Hicks and R. Davies: The Role of AGN Feedback in the Evolution of Seyfert Galaxies. In: XIV Latin American Regional IAU Meeting. (Eds.) A. Mateus, J. Gregorio-Hetem, R. Cid Fernandes. Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias) Vol. 44, Instituto de Astronomía, Universidad Nacional Autónoma de México, Mexico, 194 (2014),

Ngoumou, J., D.A. Hubber, J.E. Dale and A. Burkert: Effects of a Momentum Driven Stellar Wind on the Surrounding ISM. Astrophysics and Space Science Proceedings 36, 215 (2014).

Ntormousi, E., A. Burkert, K. Fierlinger and F. Heitsch: Filamentary Cold Structure from Colliding Supershells. Astrophysics and Space Science Proceedings 36, 185 (2014).

Ntormousi, E., K. Fierlinger, A. Burkert and F. Heitsch: Formation of cold filaments from colliding superbubbles. In Proc. of "IAUS 296: Supernova environmental impacts", Kolkata, India, 2013. (Eds.) R. McCray, A. Ray. Proc. IAU 296, Cambridge University Press, Cambridge, UK, 282-286 (2014).

Okada, T., T. Fukuhara, S. Tanaka, M. Taguchi, T. Imamura, T. Arai, H. Senshu, Y. Ogawa, H. Demura, K. Kitazato, R. Nakamura, T. Sekiguchi, S. Hasegawa, T. Matsunaga, T. Wada, J. Takita, N. Sakatani, Y. Horikawa, J. Helbert, T.G. Mueller and A. Hagermann: Thermal-Infrared Imaging of C-Class Asteroid 162173(1999JU3) by Hayabusa2. In Proc. of "45th Lunar and Planetary Science Conference". The Woodlands, USA, 2014. (Eds.) LPI Editorial Board. Proc. Lunar and Planetary Institute Science Conferences 45, Lunar and Planetary Institute, 1201 (2014).

Okamura, N., S. Hasegawa, F. Usui, T. Hiroi, T. Ootsubo, T.G. Müller and S. Sugita: Spectroscopic Observations of Dark Main-Belt Asteroids in the 2.5-3.1 μm Range. In Proc. of "45th Lunar and Planetary Science Conference". The Woodlands, USA, 2014. (Eds.) LPI Editorial Board. Proc. Lunar and Planetary Institute Science Conferences 45, Lunar and Planetary Institute, 1375 (2014).

Okamura, N., S. Sugita, S. Kamata, F. Usui, T. Hiroi, T. Ootsubo, T.G. Müller, I. Sakon and S. Hasegawa: Principal-Component Analysis of the Continuous 3-μm Spectra of Low-Albedo Asteroids Observed with the AKARI Satellite. In Proc. of "45th Lunar and Planetary Science Conference". The Woodlands, USA, 2014. (Eds.) LPI Editorial Board. Proc. Lunar and Planetary Institute Science Conferences 45, Lunar and Planetary Institute, 2446 (2014).

Pinto, C., A. Fabian, J. de Plaa and J. Sanders: Turbulence measurements in clusters of galaxies with XMM-Newton. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 160 (2014).

Plant, D., R. Fender, G. Ponti, T. Munoz-Darias and M. Coriat: Revealing accretion onto black holes through X-ray reflection. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 161 (2014).

Ponti, G., M. Morris, F. Haberl, M. Clavel, R. Terrier, R. Sturm, S. Soldi, T. Dwelly, A. Goldwurm and V. Tatischeff: The XMM-Newton view of the Central degree of the Galaxy. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 163 (2014).

Ponti, G., M.R. Morris, M. Clavel, R. Terrier, A. Goldwurm, S. Soldi, R. Sturm, F. Haberl and K. Nandra: On the past activity of Sgr A*. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 333-343 (2014).

Prinz, T. and W. Becker: Supernova remnant candidates in the ROSAT All-Sky Survey. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 165 (2014).

Rau, A.: The Wide Field Imager for the Athena X-ray Observatory. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 167 (2014).

Reinsch, K., I. Traulsen, R. Schwarz and V. Burwitz: X-ray observations of supersoft binaries: Status and perspectives. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 171 (2014).

Ridl, J. and N. Clerc: Optical and near-infrared follow-up of the XMM Cluster Archive Super Survey (X-CLASS): Preparing for eROSITA. In Proc. of "The X-Ray Universe

2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 309 (2014).

Rovilos, E., I. Georgantopoulos, A. Akylas, J. Aird, D.M. Alexander, A. Comastri, A. Del Moro, P. Gandhi, A. Georgakakis, C.M. Harrison and J.R. Mullaney: A wide search of obscured Active Galactic Nuclei using XMM-Newton and WISE. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 245-246 (2014).

Salvato, M.: Mapping the active Universe with eROSITA. In Proc. of "IAUS 304: Multiwavelength AGN surveys and studies", Byurakan, Armenia, 2013. (Eds.) A. Mickaelian, F. Aharonian, D. Sanders. Proc. IAU 304, Cambridge University Press, Cambridge, UK, 421-421 (2014).

Sanders, J. and A. Fabian: MBPROJ: MultiBand X-ray Surface Brightness PROJector applied to the PKS 0745-191 galaxy cluster. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 317 (2014).

Sasaki, M., P. Kavanagh, G. Warth, F. Haberl, S. Points, M. Filipović and L. Bozzetto: Superbubbles in the Large Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 182 (2014).

Sasaki, M., P.J. Kavanagh, L. Ducci, G. Warth, F. Haberl, P. Maggi, S. Points, M.D. Filipovic and L.M. Bozzetto: Studies of Shock-heated Interstellar Plasma. In Proc. of "Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe", Ehieme University, Japan, 2014. (Eds.) M. Ishida, R. Petre, K. Mitsuda. Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe, 58 (2014).

Schartmann, M., A. Burkert, A. Ballone, C. Alig, S. Gillessen, R. Genzel, F. Eisenhauer and T. Fritz: Hydrodynamical simulations of G2 interpreted as a diffuse gas cloud. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 324-326 (2014).

Schwope, A., I. Traulsen, F. Hessman, B. Thinius, F. Walter, R. Schwarz, K. Reinsch and V. Burwitz: Timing HU Aqr. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 186 (2014).

Slowikowska, A., G. Kanbach, K. Goździewski, K. Krzeszowski and A. Rau: Review of the ultrafast time resolution photopolarimeters based on SPADs. In Proc. of "IAUS 301: Precision asteroseismology", Wroclaw, Poland, 2013. (Eds.) W. Chaplin, J. Guzik, G. Handler, A. Pigulski. Proc. IAU 301, Cambridge University Press, Cambridge, UK, 487-488 (2014).

Snigula, J.M., N. Drory, M. Fabricius, M. Landriau, F. Montesano, G.J. Hill, K. Gebhardt and M.E. Cornell: CureWISE: HETDEX Data Reduction with Astro-WISE. In Proc. of "Astronomical Data Analysis Software and Systems XXIII", Waikoloa Beach, Hawaii, USA, 2013. (Eds.) N. Manset, P. Forshay. ASP Conf. Ser. 485, Astronomical Society of the Pacific, San Francisco, CA USA, 447 (2014).

Soldi, S., M. Clavel, A. Goldwurm, G. Ponti, R. Terrier, G. Trap, J. Greiner, T. Prinz, A. Rau and M. Servillat: A new very faint X-ray transient in the Galactic center. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 126-128 (2014).

Soldi, S., M. Clavel, A. Goldwurm, M.R. Morris, G. Ponti, R. Terrier and G. Trap: An X-ray survey of the central molecular zone: variability of the FeKα emission line. In Proc. of "IAUS 303: The galactic center: Feeding and feedback in a normal galactic nucleus", Santa Fe, USA, 2013. (Eds.) L. Sjouwerman, J. Ott, C. Lang. Proc. IAU 303, Cambridge University Press, Cambridge, UK, 94-96 (2014).

Sturm, R. and F. Haberl: The diffuse X-ray emission of the Small Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 191 (2014).

Teng, S., S. Veilleux, D. Rupke, R. Maiolino and E. Sturm: Half-megasecond Chandra Spectral Imaging of the Hot Circumgalactic Nebula around Quasar Markarian 231. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 325 (2014).

van der Marel, N., E.F. van Dishoeck, S. Bruderer, T. Birnstiel, P. Pinilla, C.P. Dullemond, T.A. van Kempen, M. Schmalzl, J.M. Brown, G.J. Herczeg, G.S. Mathews and V. Geers: Planet formation in action: resolved gas and dust images of a transitional disk and its cavity. In Proc. of "IAUS 299: Exploring the formation and evolution of planetary systems", Vivtoria, Canada, 2013. (Eds.) B. Matthews, J. Graham. Proc. IAU 299, Cambridge University Press, Cambridge, UK, 90-93 (2014).

Whelan, E., P. Kavanagh, M. Sasaki, F. Haberl, P. Maggi, M. Filipović, L. Bozzetto and E. Crawford: XMM-Newton observations of the newly confirmed X-ray supernova remnants 1RXS J053353.6-720404 and [HP99] 1139 in the Large Magellanic Cloud. In Proc. of "The X-Ray Universe 2014", Dublin, Ireland, 2014. (Eds.) J.-U. Ness, C. Hernandez, A. Pollock. In: The X-ray Universe 2014, ESA Publication Division, Noordwijk, The Netherlands, 333 (2014).

Windpassinger, R., J. Schubert and D. Kampf: Proposed concept and preliminary design fort the Sentinel-5 UVNs Spectrometer. In Proc. of "ICSO, International Conference on Space Optics", Tenerife, Canary Islands, Spain, (2014). ICSO Proceedings published online, http://www.icsoproceedings.org/ (2014),

Young, J.S., M.J. Creech-Eakman, C.A. Haniff, D.F. Buscher, M. Schartmann, A. Chiavassa and M. Elvis: Simulated MROI Imaging of AGN Dust Tori and Stellar Surfaces. In Proc. of "Resolving the Future of Astronomy with long-baseline Interferometry", Socorro, USA, 2011. (Eds.) M.J. Creech-Eakman, J.A. Guzik, R.E. Stencel. ASP Conf. Ser. 487, Astronomical Society of the Pacific, San Francisco, CA USA, 289 (2014).

Books / Articles in Books

Boller, Th., M. Roth, F. Gonzales, P. Aurora, D. Hadjimichef and C.A. Zen Vasconcello (Eds.): Proc of "Third International Symposium on Strong Electromagnetic Fields and Neutron Stars SMFNS2013", Varadero, Cuba, 2013. Astronomische Nachrichten Vol. 335, Wiley-VCH, Berlin, 1-335 (2014).

Paschmann, G., M. Øieroset and T. Phan: In-Situ Observations of Reconnection in Space. In Book: “Microphysics of Cosmic Plasmas”. (Eds.) A. Balogh, A. Bykov, P. Cargill, R. Dendy, T. Dudok. Springer Science-Business Media, Dordrecht, The Netherlands, 309-341 (2014).

Haerendel, G.: Substorms: Plasma and magnetic flux transport from the magnetic tail into the magnetosphere, Chapter 18 in "Magnetotails in the Solar System" (Eds.) A. Keiling, C. Jackman, and P. Delamere, John Wiley & Sons, Inc., Hoboken, NJ, 307-326 (2014).

Popular Scientific Publications

Boffin, H.M.J., N. Blind, M. Hillen, J.-P. Berger, A. Jorissen and J.-B. Le Bouquin: A PIONIER View on Mass-transferring Red Giants. The Messenger 156, 35-37 (2014).

De Breuck, C., R.J. Williams, M. Swinbank, P. Caselli, K. Coppin, T.A. Davis, R. Maiolino, T. Nagao, I. Smail, F. Walter, A. Weiß and M.A. Zwaan: ALMA Resolves Turbulent, Rotating [C II] Emission in a Young Starburst Galaxy at z = 4.8. The Messenger 156, 38-39 (2014).

Fontana, A., J.S. Dunlop, D. Paris, T. Targett, K. Boutsia, M. Castellano, A. Galametz, A. Grazian, R. McLure, E. Merlin, L. Pentericci, S. Wuyts, O. Almaini, K. Caputi, R.-R. Chary, M. Cirasuolo, C. Conselice, A. Cooray, E. Daddi, M. Dickinson, S.M. Faber, G. Fazio, H. Ferguson, E. Giallongo, M. Giavalisco, N. Grogin, N. Hathi, A. Koekemoer, D.C. Koo, R. Lucas, M. Nonino, H.-W. Rix, A. Renzini, D. Rosario, P. Santini, C. Scarlata, V. Sommariva, D.P. Stark, A. van der Wel, E. Vanzella, V. Wild, H. Yan and S. Zibetti: When VLT meets HST: the HUGS survey. The Messenger 155, 42-46 (2014).

Le Fèvre, O., R. Amorin, S. Bardelli, P. Capak, L. Cassara, P. Cassata, M. Castellano, S. Charlot, A. Cimatti, T. Contini, J. Cuby, O. Cucciati, A. Durkalec, S. de la Torre, A. Fontana, S. Fotopoulou, B. Garilli, M. Giavalisco, A. Grazian, N. Hathi, O. Ilbert, V. Le Brun, B. Lemaux, C. Lopez-Sanjuan, D. Maccagni, Y. Mellier, C. Moreau, S. Paltani, L. Pentericci, B. Ribeiro, M. Salvato, D. Schaerer, M. Scodeggio, N. Scoville, V. Sommariva, M. Talia, Y. Taniguchi, L. Tasca, R. Thomas, L. Tresse, E. Vanzella, D. Vergani, P. Wang, G. Zamorani and E. Zucca: The VIMOS Ultra Deep Survey: 10 000 Galaxies to Study the Early Phases of Galaxy Assembly at 2 < z < 6+. The Messenger 155, 38-41 (2014).

Telegrams / Circulars / Data Catalogues

Amorin, R., V. Sommariva, M. Castellano, A. Grazian, L.A.M. Tasca, A. Fontana, L. Pentericci, P. Cassata, B. Garilli, V. Le Brun, O. Le Fevre, D. Maccagni, R. Thomas, E. Vanzella, G. Zamorani, E. Zucca, S. Bardelli, P. Capak, L.P. Cassara, A. Cimatti, J.G. Cuby, O. Cucciati, S. de la Torre, A. Durkalec, M. Giavalisco, N.P. Hathi, O. Ilbert, B.C. Lemaux, C. Moreau, S. Paltani, B. Ribeiro, M. Salvato, D. Schaerer, M. Scodeggio, M. Talia, Y. Taniguchi, L. Tresse, D. Vergani, P.W. Wang, S. Charlot, T. Contini, S. Fotopoulou, C. Lopez-Sanjuan, Y. Mellier and N. Scoville: VizieR Online Data Catalog: VUDS extreme emission line 0.2<~z<~0.9 galaxies (Amorin+, 2014). VODC 356, 89008 (2014).

Brightman, M., K. Nandra, M.H.L.-T. Salvato, J. Aird and C. Rangel: VizieR Online Data Catalog: Chandra sources X-ray spectral parameters (Brightman+, 2014). VODC 744, 31999 (2014).

Buchner, J., A. Georgakakis, K. Nandra, L. Hsu, C. Rangel, M. Brightman, A. Merloni, M. Salvato, J. Donley and D. Kocevski: VizieR Online Data Catalog: AGN Torus model comparison of AGN in the CDFS (Buchner+, 2014). VODC 356, 49125 (2014).

Churazov, E., R. Sunyaev, S. Grebenev, J. Isern, P. Jean, J. Knödlseder, F. Lebrun, M. Renaud, E. Bravo, R. Diehl and E. Kuulkers: Detection of the 847 keV gamma-ray line of radio-active Co56 from the Type Ia Supernova SN2014J in M82 with INTEGRAL. The Astronomer's Telegram 5992, 1 (2014).

Coe, M.J., A.J. Bird, A.B. Hill, C. Ferrigno, V. Esposito, V.A. McBride, E.S. Bartlett, L.J. Townsend, F. Haberl and A. Udalski: Confirmation of large X-ray outburst from SMC source RX J0059.2-7138 also seen by INTEGRAL. The Astronomer's Telegram 5766, 1 (2014).

Coe, M.J., A.J. Bird, V.A. McBride, E.S. Bartlett, L.J. Townsend, F. Haberl, J. Kennea and A. Udalski: Detection of an X-ray outburst by INTEGRAL from a previously unknown SMC source IGR J01217-7257. The Astronomer's Telegram 5806, 1 (2014).

D'Elia, V., J.P.U. Fynbo, P. Goldoni, S. Covino, A. de Ugarte Postigo, C. Ledoux, F. Calura, J. Gorosabel, D. Malesani, R. Matteucci, F. Sanchez-Ramirez, S. Savaglio, A.J. Castro-Tirado, O.E. Hartoog, L. Kaper, T. Munoz-Darias, E. Pian, S. Piranomonte, G. Tagliaferri, N. Tanvir, S.D. Vergani, D.J. Watson and D. Xu: VizieR Online Data Catalog: GRB 120327A afterglow VLT/X-shooter spectroscopy (D'Elia+, 2014). VODC 356, 49038 (2014).

D'Elia, V., L. Izzo and A. von Kienlin: GRB 140523A: possible X-ray afterglow candidate from tiled Swift/XRT observations. GCN Circ. 16324, 1 (2014).

Dannerbauer, H., J.D. Kurk, C. de Breuck, D. Wylezalek, J.S. Santos, Y. Koyama, N. Seymour, M. Tanaka, N. Hatch, B. Altieri, D. Coia, A. Galametz, T. Kodama, G. Miley, H. Roettgering, M. Sanchez-Portal, I. Valtchanov, B. Venemans and B. Ziegler: VizieR Online Data Catalog: Spiderweb galaxy 870um and 1.4GHz images (Dannerbauer+, 2014). VODC 357, 9055 (2014).

Degenaar, N., R. Wijnands, M.T. Reynolds, J.M. Miller, J.A. Kennea, N. Gehrels, D. Haggard and G. Ponti: Swift/XRT observations of the Galactic center have resumed. The Astronomer's Telegram 5847, 1 (2014).

Degenaar, N., R. Wijnands, M.T. Reynolds, J.M. Miller, J.A. Kennea, N. Gehrels, D. Haggard, G. Ponti and D.N. Burrows: Continued Swift/XRT monitoring observations of the Galactic center. The Astronomer's Telegram 5861, 1 (2014).

Delvaux, C., J. Greiner, W. Pietsch and R. Sturm: Swift UV light curves of novae M31N 2014-10a and 2014-11a; new outburst time and large-amplitude variation of 2014-11a. The Astronomer's Telegram 6759, 1 (2014).

Elliott, J., K. Varela, D.A. Kann and J. Greiner: GRB 140213A: GROND detection of the Optical/NIR afterglow. GCN Circ. 15829, 1 (2014).

Elliott, J., S. Schmidl and J. Greiner: GRB 140301A: GROND detection of the Optical/NIR afterglow. GCN Circ. 15904, 1 (2014).

Elliott, J., S. Schmidl and J. Greiner: GRB 140302A: GROND afterglow candidate. GCN Circ. 15903, 1 (2014).

Elliott, J., S. Schmidl, J. Greiner, J.F. Graham and M. Tanga: GRB 140302A: GROND confirmation of the afterglow. GCN Circ. 15965, 1 (2014).

Evans, II,N.J., L.E. Allen, G.A. Blake, A.C.A. Boogert, T. Bourke, P.M. Harvey, J.E. Kessler, D.W. Koerner, C.W. Lee, L.G. Mundy, P.C. Myers, D.L. Padgett, K. Pontoppidan, A.I. Sargent, K.R. Stapelfeldt, E.F. van Dishoeck, C.H. Young and K.E. Young: VizieR Online Data Catalog: c2d Spitzer final data release (DR4) (Evans+, 2003). VODC 2332, 0 (2014).

Fassbender, R., A. Nastasi, J.S. Santos, C. Lidman, M. Verdugo, Y. Koyama, P. Rosati, D. Pierini, N. Padilla, A.D. Romeo, N. Menci, A. Bongiorno, M. Castellano, P. Cerulo, A. Fontana, A. Galametz, A. Grazian, A. Lamastra, L. Pentericci, V. Sommariva, V. Strazzullo, R. Suhada and P. Tozzi: VizieR Online Data Catalog: XDCP J0044.0-2033 J and Ks images (Fassbender+, 2014). VODC 356, 89005 (2014).

Fontana, A., J.S. Dunlop, D. Paris, T.A. Targett, K. Boutsia, M. Castellano, A. Galametz, A. Grazian, R. McLure, E. Merlin, L. Pentericci, S. Wuyts, O. Almaini, K. Caputi, R.-R. Chary, M. Cirasuolo, C.J. Conselice, A. Cooray, E. Daddi, M. Dickinson, S.M. Faber, G. Fazio, H.C. Ferguson, E. Giallongo, M. Giavalisco, N.A. Grogin, N. Hathi, A.M. Koekemoer, D.C. Koo, R.A. Lucas, M. Nonino, H.W. Rix, A. Renzini, D. Rosario, P. Santini, C. Scarlata, V. Sommariva, D.P. Stark, A. van der Wel, E. Vanzella, V. Wild, H. Yan and S. Zibetti: VizieR Online Data Catalog: The Hawk-I UDS and GOODS Survey (HUGS) (Fontana+, 2014). VODC 357, 9011 (2014).

Fritz, A., M. Scodeggio, O. Ilbert, M. Bolzonella, I. Davidzon, J. Coupon, B. Garilli, L. Guzzo, G. Zamorani, U. Ab-

bas, C. Adami, S. Arnouts, J. Bel, D. Bottini, E. Branchini, A. Cappi, O. Cucciati, L.G. de, S. de la Torre, P. Franzetti, M. Fumana, B.R. Granett, A. Iovino, J. Krywult, V. Le Brun, O. Le Fevre, D. Maccagni, K. Malek, F. Marulli, H.J. McCracken, L. Paioro, M. Polletta, A. Pollo, H. Schlagenhaufer, L.A.M. Tasca, R. Tojeiro, D. Vergani, A. Zanichelli, A. Burden, C. di Porto, A. Marchetti, C. Marinoni, Y. Mellier, L. Moscardini, R.C. Nichol, J.A. Peacock, W.J. Percival, S. Phleps and M. Wolk: VizieR Online Data Catalog: VIPERS: galaxy colours and luminosity function (Fritz+, 2014). VODC 356, 39092 (2014).

Fynbo, J.P.U., T. Kruhler, K. Leighly, C. Ledoux, P.M. Vreeswijk, S. Schulze, P. Noterdaeme, D. Watson, R.A.M.J. Wijers, J. Bolmer, Z. Cano, L. Christensen, S. Covino, V. D'Elia, H. Flores, M. Friis, P. Goldoni, J. Greiner, F. Hammer, J. Hjorth, P. Jakobsson, J. Japelj, L. Kaper, S. Klose, F. Knust, G. Leloudas, A. Levan, D. Malesani, B. Milvang-Jensen, P. Moller, A. Nicuesa Guelbenzu, S. Oates, E. Pian, P. Schady, M. Sparre, G. Tagliaferri, N. Tanvir, C.C. Thone, A. de Ugarte Postigo, S. Vergani, K. Wiersema, D. Xu and T. Zafar: VizieR Online Data Catalog: GRB 140506A spectra (Fynbo+, 2014). VODC 357, 29012 (2014).

Galametz, A., D. Stern, L. Pentericci, C. de Breuck, J. Vernet, D. Wylezalek, R. Fassbender, N. Hatch, J. Kurk, R. Overzier, A. Rettura and N. Seymour: VizieR Online Data Catalog: Redshifts in the surroundings of MRC 0156-252 (Galametz+, 2013). VODC 355, 99002 (2014).

Garilli, B., L. Guzzo, M. Scodeggio, M. Bolzonella, U. Abbas, C. Adami, S. Arnouts, J. Bel, D. Bottini, E. Branchini, A. Cappi, J. Coupon, O. Cucciati, I. Davidzon, L.G. de, S. de la Torre, P. Franzetti, A. Fritz, M. Fumana, B.R. Granett, O. Ilbert, A. Iovino, J. Krywult, V. Le Brun, O. Le Fevre, D. Maccagni, K. Malek, F. Marulli, H.J. McCracken, L. Paioro, M. Polletta, A. Pollo, H. Schlagenhaufer, L.A.M. Tasca, R. Tojeiro, D. Vergani, G. Zamorani, A. Zanichelli, A. Burden, C. di Porto, A. Marchetti, C. Marinoni, Y. Mellier, L. Moscardini, R.C. Nichol, J.A. Peacock, W.J. Percival, S. Phleps and M. Wolk: VizieR Online Data Catalog: VIMOS Public Extragalactic Survey (VIPERS) DR1 (Garilli+, 2014). VODC 356, 29023 (2014).

Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, K. Hurley, J. Goldsten, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, G. DiCocco, F. Fuschino, M. Galli, C. Labanti and M. Marisaldi: IPN Triangulation of GRB 140906C (short/hard). GCN Circ. 16801, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan and V. Pelassa: IPN Triangulation of GRB 140428B (short/hard). GCN Circ. 16184, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, J. Goldsten, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa and A. Goldstein: IPN Triangulation of GRB 140528A. GCN Circ. 16339, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, J. Goldsten, G. Di Cocco, F. Fuschino, M. Galli, C. Labanti, M. Marisaldi, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo and C. Ferrigno: IPN Triangulation of GRB 140604A (short/hard). GCN Circ. 16350, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm and D. Palmer: IPN triangulation of GRB 140306A. GCN Circ. 15938, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, J. Goldsten, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo and C. Ferrigno: IPN Triangulation of GRB 140611A (short/hard). GCN Circ. 16384, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, J. Goldsten, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa, A. Goldstein, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm and D. Palmer: IPN Triangulation of GRB 140523A. GCN Circ. 16327, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa, A. Goldstein, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: IPN Triangulation of GRB 140621A. GCN Circ. 16444, 1 (2014).

Golenetskii, S., R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa, A. Goldstein, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo and C. Ferrigno: IPN Triangulation of GRB 140824B. GCN Circ. 16750, 1 (2014).

Gozaliasl, G., A. Finoguenov, H.G. Khosroshahi, M. Mirkazemi, M. Salvato, D.M.Z. Jassur, G. Erfanianfar, P. Popesso, M. Tanaka, M. Lerchster, J.P. Kneib, H.J. McCracken, Y. Mellier, E. Egami, M.J. Pereira, F. Brimioulle, T. Erben and S. Seitz: VizieR Online Data Catalog: Catalog of XMM X-ray galaxy groups (Gozaliasl+, 2014). VODC 356, 69140 (2014).

Greiner, J., H.-F. Yu, T. Kruhler, D.D. Frederiks, A. Beloborodov, P.N. Bhat, J. Bolmer, H. van Eerten, R.L. Aptekar, J. Elliott, S.V. Golenetskii, J.F. Graham, K. Hurley, D.A. Kann, S. Klose, A. Nicuesa Guelbenzu, A. Rau, P. Schady, S. Schmidl, V. Sudilovsky, D.S. Svinkin, M. Tanga, M.V. Ulanov, K. Varela, A. von Kienlin and X.-L. Zhang: VizieR

Online Data Catalog: GRB 130925A GROND light curves (Greiner+, 2014). VODC 356, 89075 (2014).

Guo, Y., H.C. Ferguson, M. Giavalisco, G. Barro, S.P. Willner, M.L.N. Ashby, T. Dahlen, J.L. Donley, S.M. Faber, A. Fontana, A. Galametz, A. Grazian, K.-H. Huang, D.D. Kocevski, A.M. Koekemoer, D.C. Koo, E.J. McGrath, M. Peth, M. Salvato, S. Wuyts, M. Castellano, A.R. Cooray, M.E. Dickinson, J.S. Dunlop, G.G. Fazio, J.P. Gardner, E. Gawiser, N.A. Grogin, N.P. Hathi, L.-T. Hsu, K.-S. Lee, R.A. Lucas, B. Mobasher, K. Nandra, J.A. Newman and A. van der Wel: VizieR Online Data Catalog: GOODS-S CANDELS multiwavelength catalog (Guo+, 2013). VODC 220, 70024 (2014).

Haggard, D., F.K. Baganoff, N. Rea, F.C. Zelati, G. Ponti, C. Heinke, S. Campana, G.L. Israel, F. Yusef-Zadeh and D. Roberts: 2014 Chandra X-ray Monitoring of Sgr A*/G2 and SGR J1745-29. The Astronomer's Telegram 6242, 1 (2014).

Henze, M., G. Sala, J. Jose, J. Figueira, M. Hernanz and W. Pietsch,: New optical nova candidate in the M 31 disk. The Astronomer's Telegram 6305, 1 (2014).

Henze, M., R. Sturm, J.-U. Ness, J. Greiner, M. Della Valle, G. Sala, M. Hernanz, A.W. Shafter, K. Hornoch, M. Orio, D.H. Hartmann, A. Kaur, D. Hatzidimitriou and M. Middleton: M 31 novae M31N 2012-06a and M31N 2014-02a detected in X-rays with XMM-Newton. The Astronomer's Telegram 6564, 1 (2014).

Henze, M., W. Pietsch, F. Haberl, M. Della Valle, G. Sala, D. Hatzidimitriou, F. Hofmann, M. Hernanz, D.H. Hartmann and J. Greiner: VizieR Online Data Catalog: X-ray monitoring of M31 novae (Henze+, 2014). VODC 356, 39002 (2014).

Hurley, K., I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, J. Goldsten, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, G. Di Cocco, F. Fuschino, M. Galli, C. Labanti, M. Marisaldi and D.M. Smith: Refined IPN Triangulation of GRB 140906C. GCN Circ. 16805, 1 (2014).

Hurley, K., J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: IPN Triangulation of GRB 140619C (long/very intense). GCN Circ. 16427, 1 (2014).

Hurley, K., J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa and A. Goldstein: IPN triangulation of extremely bright long GRB 140219A. GCN Circ. 15864, 1 (2014).

Hurley, K., J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa and A. Goldstein: IPN Triangulation of GRB 140329A. GCN Circ. 16045, 1 (2014).

Hurley, K., J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa and A. Goldstein: IPN triangulation of GRB 130330A. GCN Circ. 16051, 1 (2014).

Hurley, K., J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer and D.M. Smith: IPN Triangulation of GRB 140825A (very intense/long). GCN Circ. 16752, 1 (2014).

Hurley, K., J. Goldsten, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm and D. Palmer: IPN Triangulation of very intense GRB 140320D. GCN Circ. 16023, 1 (2014).

Hurley, K., J. Goldsten, S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm and D. Palmer: IPN triangulation of GRB 140508A. GCN Circ. 16225, 1 (2014).

Hurley, K., S. Golenetskii, R. Aptekar, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, V. Connaughton, M.S. Briggs, C. Meegan and V. Pelassa: IPN triangulation of GRB 140226A, a possible GRB counterpart to iPTF14yb. GCN Circ. 15888, 1 (2014).

Hurley, K., V. Pal'Shin, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, V. Connaughton, M.S. Briggs, C. Meegan, V. Pelassa, A. Goldstein, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo, C. Ferrigno, W. Boynton, C. Fellows, K. Harshman, H. Enos and R. Starr: IPN Triangulation of GRB 140901A (short/hard/very intense). GCN Circ. 16761, 1 (2014).

Johansson, J., D. Thomas, J. Pforr, C. Maraston, R.C. Nichol, M. Smith, H. Lampeitl, A. Beifiori, R.R. Gupta and D.P. Schneider: VizieR Online Data Catalog: SN Ia host galaxy properties (Johansson+, 2013). VODC 743, 51680 (2014).

Kaneko, Y., E. Gogus, G. Younes, S. Guiriec, C. Kouveliotou and A. von Kienlin: Fermi GBM Observations of SGR 1935+2154. GCN Circ. 16577, 1 (2014).

Kordopatis, G., G. Gilmore, M. Steinmetz, C. Boeche, G.M. Seabroke, A. Siebert, T. Zwitter, J. Binney, P. de Laverny, A. Recio-Blanco, M.E.K. Williams, T. Piffl, H. Enke, S. Roeser, A. Bijaoui, R.F.G. Wyse, K. Freeman, U. Munari, I. Carrillo, B. Anguiano, D. Burton, R. Campbell, C.J.P. Cass, K. Fiegert, M. Hartley, Q.A. Parker, W. Reid, A. Ritter, K.S. Russell, M. Stupar, F.G. Watson, O. Bienayme, J. Bland-Hawthorn, O. Gerhard, B.K. Gibson, E.K. Grebel, A. Helmi, J.F. Navarro, C. Conrad, B. Famaey, C. Faure, A. Just, J. Kos, G. Matijevic, P.J. McMillan, I. Minchev, R. Scholz, S. Sharma, A. Siviero, E. Wyliede Boer and M. Zerjal: VizieR Online Data Catalog: RAVE 4th data release (Kordopatis+, 2013). VODC 3272, 0 (2014).

Krajnovic, D., A.M. Karick, R.L. Davies, T. Naab, M. Sarzi, E. Emsellem, M. Cappellari, P. Serra, P.T. de Zeeuw, N. Scott, R.M. McDermid, A.-M. Weijmans, T.A. Davis, K. Alatalo, L. Blitz, M. Bois, M. Bureau, F. Bournaud, A. Crocker, P.-A. Duc, S. Khochfar, H. Kuntschner, R. Morganti, T. Oosterloo and L.M. Young: VizieR Online Data Catalog: ATLAS3D project. XXIII. (Krajnovic+, 2013). VODC 743, 32812 (2014).

Kuehnel, M., M.H. Finger, F. Fuerst, K. Pottschmidt, F. Haberl and J. Wilms: Orbital parameters and spin evolution of RX J0520.5-6932. The Astronomer's Telegram 5856, 1 (2014).

Lamassa, S.M., C.M. Urry, N. Cappelluti, F. Civano, P. Ranalli, E. Glikman, E. Treister, G. Richards, D. Ballantyne, D. Stern, A. Comastri, C. Cardamone, K. Schawinski, H. Böhringer, G. Chon, S.S. Murray, P. Green and K. Nandra: VizieR Online Data Catalog: X-ray observations of Stripe 82 (La Massa+, 2013). VODC 743, 63581 (2014).

Lemaux, B.C., O. Cucciati, L.A.M. Tasca, O. Le Fevre, G. Zamorani, P. Cassata, B. Garilli, V. Le Brun, D. Maccagni, L. Pentericci, R. Thomas, E. Vanzella, E. Zucca, R. Amorin, S. Bardelli, P. Capak, L. Cassara, M. Castellano, A. Cimatti, J.G. Cuby, S. de la Torre, A. Durkalec, A. Fontana, M. Giavalisco, A. Grazian, N.P. Hathi, O. Ilbert, C. Moreau, S. Paltani, B. Ribeiro, M. Salvato, D. Schaerer, M. Scodeggio, V. Sommariva, M. Talia, Y. Taniguchi, L. Tresse, D. Vergani, P.W. Wang, S. Charlot, T. Contini, S. Fotopoulou, R.R. Gal, D.D. Kocevski, C. Lopez-Sanjuan, L.M. Lubin, Y. Mellier, T. Sadibekova and N. Scoville: VizieR Online Data Catalog: VUDS Dicovery of a high-redshift protocluster (Lemaux+, 2014). VODC 357, 29041 (2014).

Lopez-Gonzaga, N., W. Jaffe, L. Burtscher, K.R.W. Tristram and K. Meisenheimer: VizieR Online Data Catalog: NGC1068 MIDI/VLTI observations (Lopez-Gonzaga+, 2014). VODC 356, 59071 (2014).

Maggi, P., R. Sturm, F. Haberl, G. Vasilopoulos and A. Udalski: Swift J010745.0-722740, a new SMC Be/X-ray binary with possibly a very long orbital period. The Astronomer's Telegram 5778, 1 (2014).

Mottram, J.C., L.E. Kristensen, E.F. van Dishoeck, S. Bruderer, I. San Jose-Garcia, A. Karska, R. Visser, G. Santangelo, A.O. Benz, E.A. Bergin, P. Caselli, F. Herpin, M.R. Hogerheijde, D. Johnstone, T.A. van Kempen, R. Liseau, B. Nisini, M. Tafalla, F.F.S. van der Tak and F. Wyrowski: VizieR Online Data Catalog: H_2O spectra of 29 nearby Class 0/I protostars (Mottram+,. VODC 357, 29021 (2014).

Rea, N., D. Haggard, F. Baganoff, C. Heinke, G.L. Israel and G. Ponti: Continued Chandra monitoring observations of the Galactic Center magnetar. The Astronomer's Telegram 5922, 1 (2014).

Santangelo, G., B. Nisini, C. Codella, A. Lorenzani, U.A. Yildiz, S. Antoniucci, P. Bjerkeli, S. Cabrit, T. Giannini, L.E. Kristensen, R. Liseau, J.C. Mottram, M. Tafalla and E.F. van Dishoeck: VizieR Online Data Catalog: NRC 1333 IRAS 4A H_2O observations (Santangelo+,. VODC 356, 89125 (2014).

Schady, P., S. Klose and J. Greiner: GRB140706A: GROND detection of the Optical/NIR afterglow. GCN Circ. 16534, 1 (2014).

Sobral, D., I. Smail, P.N. Best, J.E. Geach, Y. Matsuda, J.P. Stott, M. Cirasuolo and J. Kurk: VizieR Online Data Catalog: UDS/COSMOS HiZELS galaxies (Sobral+, 2013). VODC 742, 81128 (2014).

Sturm, R., J. Greiner, W. Pietsch and F. Haberl: Swift J004234.8+410417, a new X-ray transient in M 31. The Astronomer's Telegram 6354, 1 (2014).

Sturm, R., L.M. Oskinova, F. Haberl, Y.-H. Chu, V. Henault-Brunet, J. Gallagher, M.A. Guerrero, S. Popov and M. Schurch: SXP1062 in outburst. The Astronomer's Telegram 6200, 1 (2014).

Sturm, R., M. Henze, J. Greiner, W. Pietsch and F. Haberl: X-ray emission of nova M31N 2014-02a detected with Swift. The Astronomer's Telegram 6374, 1 (2014).

Sturm, R., S. Carpano, F. Haberl, P. Maggi and G. Vasilopoulos: Swift J0513.4-6547 in outburst. The Astronomer's Telegram 6483, 1 (2014).

Sturm, R., W. Pietsch and J. Greiner: Constraining the outburst time of PNV J00424097+4116171. The Astronomer's Telegram 6281, 1 (2014).

Sturm, R., W. Pietsch and J. Greiner: Constraining the outburst time of PNV J00432372+4122256. The Astronomer's Telegram 6463, 1 (2014).

Sturm, R., W. Pietsch, J. Greiner and F. Haberl: Swift J004346.0+410736, an X-ray transient in M 31. The Astronomer's Telegram 6454, 1 (2014).

Sturm, R., W. Pietsch, J. Greiner and F. Haberl: Swift follow-up of the M31 ULX candidate. The Astronomer's Telegram 5752, 1 (2014).

Sturm, R., W. Pietsch, J. Greiner and F. Haberl: ULX candidate in M31. The Astronomer's Telegram 5743, 1 (2014).

Vasilopoulos, G., R. Sturm, P. Maggi and F. Haberl: The X-ray outburst of RX J0520.5-6932 is reaching the Eddington luminosity. The Astronomer's Telegram 5760, 1 (2014).

Wilman, D.J., F. Fontanot, L.G. de, P. Erwin and P. Monaco: VizieR Online Data Catalog: SDSSRC3 sample morphological classifications (Wilman+, 2013). VODC 743, 32986 (2014).

Wyrzykowski, L., H.C. Campbell, S. Koposov, ..., V. Burwitz, et al.: Multiband photometric follow-up of supernova iPTF13ebh. The Astronomer's Telegram 5926, 1 (2014).

Younes, G., A. von Kienlin and C. Meegan: GRB 140624A:

Fermi GBM observation of a short burst. GCN Circ. 16452, 1 (2014).

Younes, G., V. Connaughton, C. Meegan and A. von Kienlin: GRB 140320A: Fermi GBM detection. GCN Circ. 16014, 1 (2014).

Yu, H.-F. and A. von Kienlin: GRB 140323A: Fermi GBM observation. GCN Circ. 16032, 1 (2014).

Zoccali, M., O.A. Gonzalez, S. Vasquez, V. Hill, M. Rejkuba, E. Valenti, A. Renzini, A. Rojas-Arriagada, I. Martinez-Valpuesta, C. Babusiaux, T. Brown, D. Minniti and A. McWilliam: VizieR Online Data Catalog: GIRAFFE Inner Bulge Survey (GIBS). I. (Zoccali+, 2014). VODC 356, 29066 (2014).

von Kienlin, A. and G. Younes: GRB 140329A: Fermi GBM observation of a bright burst. GCN Circ. 16042, 1 (2014).

von Kienlin, A. and P.N. Bhat: GRB 131229A: Fermi GBM detection. GCN Circ. 15651, 1 (2014).

von Kienlin, A. and P.N. Bhat: GRB 140206A: Fermi GBM detection. GCN Circ. 15796, 1 (2014).

von Kienlin, A. and V. Connaughton: GRB 140110A: Fermi GBM observation. GCN Circ. 15716, 1 (2014).

von Kienlin, A. and V. Connaughton: GRB 140523A: Fermi GBM detection. GCN Circ. 16321, 1 (2014).

von Kienlin, A., C.A. Meegan, W.S. Paciesas, ..., J. Greiner, D. Gruber, ..., A. Rau, et al.: VizieR Online Data Catalog: The second Fermi/GBM GRB catalog (4yr) (von Kienlin+, 2014). VODC 221, 10013 (2014).

von Kienlin, A.: GRB 140206B: Fermi GBM detection. GCN Circ. 15790, 1 (2014).

von Kienlin, A.: GRB 140209A: Fermi GBM observation. GCN Circ. 15811, 1 (2014).

von Kienlin, A.: GRB 140423A: Fermi GBM observation. GCN Circ. 16152, 1 (2014).

von Kienlin, A.: GRB 140623A / iPTF14cyb: Fermi GBM detection. GCN Circ. 16450, 1 (2014).

von Kienlin, A.: GRB 140828A: Fermi GBM observation. GCN Circ. 16754, 1 (2014).

Poster

Alves, F. O. et al.: The emergent low-mass cluster B59: how to beat magnetic fields, Revolution in Astronomy with ALMA - The 3rd Year, Tokyo, Japan, December 2014.

Bailey, J. D. et al.: Discovery of Secular Variations in the Atmospheric Abundances of Magnetic Ap Stars, IAU Symposium 307: New Windows on Massive Stars, Geneva, Switzerland, June 2014.

Bailey, N. et al.: Non-Ideal Magnetohydrodynamic Simulations of the Two-Stage Fragmentation Model for Cluster Formation, OSSF14: The Olympian Symposium on Star Formation, Paralia Katerini's, Greece, May 2014.

Berta, S. et al.: The molecular gas mass function of star forminggalaxies since z~3, and indirect Mgas estimates, Star Formation Across Space and Time, Noordwijk, Holland, November 2014.

Diehl, R. et al.: Nucleosynthesis ejecta in the Galaxy: Tracing Feedback, Int. Conf. "Nuclei in the Cosmos", Debrecen, Hungary, July 2014.

Haug, M. et al.: Low vibration cooling using a pulse-tube, SPIE Astronomical Telescopes + Instrumentation, Montreal, Canada, June 2014.

Knust, F. et al.: Applying ScaleFit to GROND and Swift/XRT data, Swift: 10 Years of Discovery, Rome, Italy, December 2014.

Lin, M.-Y. et al.: Dense Molecular Gas in Nearby Seyfert Galaxies, The fate of the gas in galaxies, AGN vs Star formation, Durham University, Durham, United Kingdom, July 2014.

Lippa, M. et al.: The GRAVITY metrology system: narrow-angle astrometry via phase-shifting interferometry, SPIE Astronomical Telescopes + Instrumentation, Montreal, Canada, June 2014.

Müller, T.: Fränkische Kleinplaneten, Annual meeting 2014 of the Astronomische Gesellschaft, Tagung des Arbeitskreises Astronomiegeschichte, Bamberg, Germany, September 2014.

Müller, T.: Fränkische Kleinplaneten, Tagung Simon Marius und seine Zeit, Nürnberg, Germany, September 2014.

Mazzalay, X. et al.: Gas in the centre of nearby galaxies from SINFONI integral field spectroscopy, 3D2014: Gas and stars in galaxies: A multi-wavelength 3D perspective, Garching, Germany, March 2014.

Moch, D. et al.: Calibration of the Non-Linear System Characteristic of a prototoype of the DSSC detector for the European XFEL, IEEE NUCLEAR SCIENCE SYMPOSIUM & MEDICAL IMAGING CONFERENCE, Seattle, USA, November 2014.

Orban de Xivry, Gilles et al.: ARGOS wavefront sensing: detection, computation, and first operation, SPIE Astronomical Telescopes + Instrumentation, Montreal, Canada, June 2014.

Pon, A. et al.: Mid-J CO Line Reveals Turbulent Dissipation in Perseus B1-East 5, OSSF14: The Olympian Symposium on Star Formation, Paralia, Greece, May 2014.

Punanova, A. et al.: Deuterium Fractionation in the Ophiuchus Molecular Cloud, The Olympian Symposium on Star Formation, Paralia Katerini's, Greece, May 2014.

Salazar-Albornoz, S. et al.: Clustering tomography: Measuring cosmological distances trough angular clustering in thin redshift shells, ICTP - International Centre for Theoretical Physics, Trieste, Italy, August 2014.

Tadaki, K.: Bulge Formation in Main-sequence Galaxies at z>2, 3D2014: Gas and stars in galaxies: A multi-wavelength 3D perspective, Munich, Germany, March 2014.

von Kienlin, A.: Search for nuclear gamma-ray line emission from astrophysical sources in the GBM continuous spectral data, Fifth International Fermi Symposium, Nagoya, Japan, October 2014.

Winter, A. et al.: Analysis of the Optical Surface Properties in Indirect Glass Slumping, SPIE Astronomical Telescopes + Instrumentation, San Diego, USA, June 2014.

Talks

Alves, F. O.: Magnetic fields in star-forming regions: from molecular clouds to cores, colloquium, National Astronomical Observatory of Japan (NAOJ), Mitaka (Tokyo), Japan, December 2014.

Bailey, N.: Two-stage Fragmentation for Cluster Formation, invited talk, The Early Life of Stellar Clusters: Formation and Dynamics, Copenhagen, Denmark, November 2014.

Boller, Th.: Anfang und Ende des Universums, public talk, Rotary Club Bad Wörishofen, Rotary Club Bad Wörishofen, Germany, February 2014.

Boller, Th.: Astronomie für Schüler, public talk, Grundschule Hallbergmoos, Hallbergmoos, Germany, April 2014.

Boller, Th.: Black Hole imaging as GR test, contributed talk, EWASS 2014, Geneva, Switzerland, June 2014.

Boller, Th.: The Beginn and the end of the universe, public talk, Rotary Club Skofia Loca, Skofia Loca, Slowenia, February 2014.

Boller, Th.: The second ROSAT all-sky survey, invited talk, New Frontiers in Astrophysics, Palermo, Italy, May 2014.

Bruderer, S.: Chemical models of protoplanetary disks, invited talk, Episodic accretion in the embedded and disk phases of protostellar evolution, Leiden, Netherlands, May 2014.

Bruderer, S.: Disk models, colloquium, WISH Key-program meeting, Rome, Italy, Octobre 2014.

Bruderer, S.: Oph IRS 48 observed by ALMA, invited talk, NOVA network II meeting, Leiden, Netherlands, September 2014.

Brusa, M.: Powerful outflows in z~1.5 X-ray obscured QSOs, contributed talk, Multiwavelength-surveys: Galaxy Formation and Evolution from the early universe to today, Dubrovnik, Croatia, March 2014.

Brusa, M.: Quasar feedback in the form of powerful outflows, colloquium, Special seminar at Excellence Cluster Universe, Munich, Germany, July 2014.

Brusa, M.: The AGN content of the eROSITA sky, invited talk, 11th Italian national AGN meeting, Trieste, Italy, September 2014.

Brusa, M.: X-shooter and SINFONI reveal powerful outflows in obscured QSOs, invited talk, ESO lunch talk series, Garching bei Muenchen, Germany, July 2014.

Burtscher, L.: A very close look at Active Galactic Nuclei in the infrared: a diversity of dusty tori, colloquium, New York University of Abu Dhabi, Abu Dhabi, Vereinigte Arabische Emirate, November 2014.

Burtscher, L.: GRAVITY - Observing the universe in motion, invited talk, The Relativistic Astrophysics Group: RAGtime 16, Prag, Tschechische Republik, October 2014.

Burtscher, L.: Interferometric IR observations: a diversity of dusty AGN tori, invited talk, COSPAR 2014, Moscow, Russian Federation, August 2014.

Burtscher, L.: Possible evidence for the disappearance of the AGN torus at low luminosities, contributed talk, IAU Symposium 309: Galaxies in 3D across the universe, Wien, Austria, July 2014.

Burtscher, L.: Studying AGNs with GRAVITY, invited talk, VLTI Community Days, Grenoble, France, January 2014.

Burwitz, V.: Developing, Testing and Calibrating eROSITA, Athena, and other X-ray Optics at the MPE PANTER X-ray Test Facility, contributed talk, International Workshop on X-ray Optics, Prague, Czech Republic, December 2014.

Burwitz, V.: Status / Progress of the eROSITA X-ray Observatory, contributed talk, IACHEC #9, Airlie, USA, March 2014.

Burwitz, V.: Status and operational concept of the eROSITA X-ray Observatory; invited talk, Open University, Milton-Keynes, United Kingdom, February 2014.

Burwitz, V.: Testing and Calibrating the eROSITA X-ray Mirror assemblies, contributed talk, SPIE, Montreal, Canada, June 2014.

Burwitz, V.: The PANTER X-ray Test Facility, contributed talk, International Workshop on XTP, Merate, Italy, November 2014.

Burwitz, V.: The PANTER X-ray Test Facility, contributed talk, SVOM/MXT kick-off meeting, Paris, France, October 2014.

Burwitz, V.: The eROSITA X-ray Survey Telescope, invited talk, Hard X-ray Astronomy: Astrosat and Beyond, Goa, India, September 2014.

Burwitz, V.: The eROSITA all-Sky Survey Telescope, invited talk, Middle Eastern Technical University, Ancara, Turkey, December 2014.

Burwitz, V.: The extended ROentgen Survey with an Imaging Telescope Array: eROSITA, invited talk, Tata Institute of Fundamental Research, Mumbai, India, September 2014.

Buschkamp, P.: LUCI2: binocular and LGS/NGS AO modes of LUCI at the LBT, contributed talk, SPIE Astronomical Telescopes + Instrumentation 2014, Montreal, Canada, June 2014.

Caselli, P.: Astrochemistry and the first steps toward star and planet formation, colloquium, Max-Planck Institute for Nuclear Physics, Heidelberg, Germany, December 2014.

Caselli, P.: Chemistry at the dawn of star formation and links to our Solar System, colloquium, Department of Astronomy, University of Florida at Gainesville, Gainesville, United States, October 2014.

Caselli, P.: Chemistry at the dawn of star formation and links to our Solar System, colloquium, MPIA, Heidelberg, Germany, September 2014.

Caselli, P.: Chemistry at the dawn of star formation and links to our Solar Systems, contributed talk, Department of Astronomy, University of California at Berkeley, Berkeley, United States, July 2014.

Caselli, P.: Introduction to work carried out at MPE, invited talk, Star Formation: Data, Models and Visualization (a Harvard-Heidelberg workshop), Heidelberg, Germany, June 2014.

Caselli, P.: Making life from stardust, public talk, Deutsche Museum (Excellence Cluster), Munich, Germany, November 2014.

Caselli, P.: Physical and chemical processes in star and planet forming regions, colloquium, IRAM, Grenoble, France, April 2014.

Caselli, P.: Physical and chemical processes in the earliest stages of star formation, colloquium, Universitats-Sternwarte Munchen, Munich, Germany, October 2014.

Caselli, P.: Pre-stellar cores and their implication for star formation, invited talk, OSSF14: The Olympian Symposium on Star Formation, Paralia Katerini's, Mount Olympus, Greece, May 2014.

Caselli, P.: Prestellar cores in different environments, contributed talk, Dense Cores: Origins, Evolution and Collapse, Monterey, USA, July 2014.

Caselli, P.: The Center for Astrochemical Studies at MPE, invited talk, ISM-SPP Workshop - Laboratory Astrophysics, Tabarz, Germany, October 2014.

Caselli, P.: The ISM chemistry: today and tomorrow with ALMA, invited talk, EWASS 2014: European Week of Astronomy and Space Science, Geneva, Switzerland, July 2014.

Caselli, P.: The effects of dust temperature on surface chemistry, invited talk, Behind the curtain of dust - the molecular view of activiy in (U)LIRGs, Sexten, Italy, July 2014.

Caselli, P.: The importance of spin-state chemistry for star formation, contributed talk, ESO, Garching, Germany, June 2014.

Contursi, A.: SHINING: Survey with Herschel of the INterstellar Medium in Infrared Nearby Galaxies, colloquium, INAF-Observatory of Bologna, Bologna, Italy, June 2014.

Contursi, A.: SHINING: Survey with Herschel of the INterstellar Medium in Infrared Nearby Galaxies, contributed talk, Colorful galaxies: a conference for the 65th birthday of Peppo Gavazzi,27-30., Como Lake, Italy, April 2014.

Davies, R.: A Strategic View of VLT Proposals, invited talk, ISM-SPP Student Meeting, Freising, Germany, May 2014.

Davies, R.: Extragalactic Astronomy with Adaptive Optics, invited talk, Speed and Sensitivity: Expanding Astronomical Horizons with the E-ELT, Galway, Ireland, May 2014.

Davies, R.: Extragalactic Spectroscopy with Adaptive Optics, invited talk, Astronomical Telescopes and Instrumentation: Adaptive Optics Systems IV, Montreal, Canada, June 2014.

Davies, R.: The Fate of Gas in Seyfert Galaxies, invited talk, The Unquiet Universe, Cefalu, Sicily, June 2014.

Davies, R.: Where do Seyferts get their Gas?, contributed talk, The Fate of Gas in Galaxies: AGN vs Star Formation, Durham, UK, July 2014.

de Jong, J.A.: Spectral Cube Visualisation and Explorer Tool from the Herschel, Interactive Processing Environment (HIPE), contributed talk, Astronomical Data Analysis Software & Systems (ADASS) XXIV, Calgary, Canada, October 2014.

De Marco, B.: Soft X-ray lags, contributed talk, 7th FERO meeting, Krakow, Poland, August 2014.

De Marco, B.: Timing properties and X-ray lags of an ultraluminous X-ray source, contributed talk, The X-ray Universe 2014, Dublin, Ireland, June 2014.

Dennerl, K.: A 3D beaming model for the quiescent emission of accreting magnetars, contributed talk, EWASS 2014 - European Week of Astronomy and Space Science, Geneva, Switzerland, July 2014.

Dennerl, K.: Charge Exchange Astrophysics with Athena, contributed talk, 2nd Athena/WFI proto-consortium meeting, Ringberg castle, Germany, September 2014.

Dennerl, K.: Mars, Venus and comets: similarities and differences in X-rays, invited talk, 6th Alfven Conference: Plasma Interactions with Solar System Objects, London, UK, July 2014.

Dennerl, K.: X-ray Emission from Comets and Planets in the Solar System, invited talk, Frontier Research in Astrophysics, Mondello, Italy, May 2014.

Dexter, J.: Imaging a Black Hole, invited talk, Kavli Frontiers of Science, Irvine (CA), USA, November 2014.

Dexter, J.: Crescent Black Hole Images, invited talk, EHT 2014, Perimeter Institute, Waterloo (Ontario), Canada, November 2014.

Dexter, J.: Spectral signatures of super-luminous supernovae powered by magnetars and black holes, contributed talk, The Structure and Signals of Neutron Stars: from Birth to Death, Florence, Italy, March 2014.

Dexter, J.: Exploring Strong Gravity in the Galactic Center, colloquium, Munich Joint Astronomy Colloquium (ESO), Garching, Germany, October 2014.

Dexter, J.: Exploring Strong Gravity in the Galactic Center, colloquium, UCLA Astronomy Colloquium, Los Angeles (CA), USA, May 2014.

Dexter, J.: Imaging a Black Hole Shadow with the Event Horizon Telescope, colloquium, University of Oklahoma Physics Colloquium, Norman (OK), USA, February 2014.

Dexter, J.: A model of the spectra and high-frequency quasi-periodic oscillations in black hole X-ray binaries, colloquium, Stanford/KIPAC Astrophysics tea talk, Stanford (CA), USA, April 2014.

Dexter, J.: Exploring Strong Gravity in the Galactic Center, colloquium, Northwestern/CIERA seminar, Evanston (IL), USA, February 2014.

Diehl, R.: Cosmic Element Evolution: Overview of Cluster Research Area G, invited talk, Science Week of Universe Cluster of Excellence, Garching, Germany, December 2014.

Diehl, R.: Cosmic radioactivity and INTEGRAL results, colloquium, Colloquium des Maier-Leibnitz-Laboratoriums, Garching, Germany, February 2014.

Diehl, R.: Gamma-Ray Astronomy: Lessons from cosmic radioactive nuclei, colloquium, Physics Colloquium of

Johannes Gutenberg University, Mainz, Germany, May 2014.

Diehl, R.: Gamma-Ray Astronomy: Lessons from cosmic radioactive nuclei, colloquium, Physics Colloquium of Phillips-University, Marburg, Germany, May 2014.

Diehl, R.: Gamma-Rays from a Supernova Ia: SN2014J, invited talk, Astronomical Society of Germany, Highlight Talk, Bamberg, Germany, September 2014.

Diehl, R.: Gamma-ray astronomy and nuclear astrophysics, invited talk, Institute for Advanced Studies of USP, Sao Paulo, Brazil, April 2014.

Diehl, R.: Gamma-ray astronomy and nuclear astrophysics, invited talk, Internat. Summer School on Nuclear Astrophysics, Sinaia, Romania, July 2014.

Diehl, R.: Gamma-ray astronomy and nuclear astrophysics, invited talk, Nuclear Astrophysics Winter School, Russbach, Austria, March 2014.

Diehl, R.: Gamma-ray astronomy: Lessons from cosmic radioactive nuclei, invited talk, European Center for Theoretical Studies in Nuclear Physics and Related Areas, Trento, Italy, September 2014.

Diehl, R.: Kosmische Elemente und ihre Entstehungsgeschichte, public talk, Sternwarte Neumarkt, Abendvortrag, Neumarkt, Germany, February 2014.

Diehl, R.: Measuring current nucleosynthesis products, colloquium, Astrophysics Colloquium of MPIfR and Uni Bonn, Bonn, Germany, April 2014.

Diehl, R.: Nuclear Astrophysics in Germany, invited talk, DFG Round Table Meeting on Nuclear Astrophysics, Berlin, Germany, September 2014.

Diehl, R.: Nucleosynthesis ejecta from SN2014J, contributed talk, Internat. Conf. "Nuclei in the Cosmos", Debrecen, Hungary, July 2014.

Diehl, R.: Radioactivity-traced ejecta in superbubbles, invited talk, Conference on Superbubbles, HI Holes, and Supershells, Freising, Germany, November 2014.

Diehl, R.: Zuendfunke fuer eine Supernova, public talk, Cafe and Cosmos Series of Universe Cluster of Excellence, Muenchen, Germany, December 2014.

Dwelly, T.: SPIDERS: Spectroscopic Identification of eROSITA Sources, invited talk, SDSS eBOSS+BOSS Collaboration meeting @ Cloudcroft/APO, Cloudcroft, NM, USA, December 2014.

Dwelly, T.: eBOSS/SPIDERS:AGN, Target selection and first results, contributed talk, eROSITA Consortium Meeting 2014, AIP, Potsdam, AIP, Potsdam, Germany, October 2014.

Eisenhauer, F.: GRAVITY getting ready for ESO's VLT Interferometer, contributed talk, SPIE Astronomical Telescope + Instrumentation, Montreal, Canada, June 2014.

Eisenhauer, F.: GRAVITY getting ready for ESO's VLT Interferometer, invited talk, La semaine de la SF2A, Paris, France, June 2014.

Eisenhauer, F.: The Galactic Center - Black Hole, Stars, Gas, and Gravity, colloquium, RTG colloquium, Delmenhorst, Germany, December 2014.

Eisenhauer, F.: The Galactic Center Laboratory for Fundamental Physics, invited talk, Fundamental Physics Workshop, Garching, Germany, September 2014.

Förster Schreiber, N.M.: Galaxy Growth at Early Times from 3D Studies, invited talk, 3D2014: Gas and stars in galaxies: A multiwavelength 3D perspective, Garching, Germany, March 2014.

Förster Schreiber, N.M.: Galaxy Growth at Early Times from 3D Studies, invited talk, Gas in and around galaxies, Ringberg, Germany, May 2014.

Förster Schreiber, N.M.: Galaxy Growth at Early Times from 3D Studies, invited talk, IAU Symposium 309: Galaxies in 3D across the Universe, Vienna, Austria, July 2014.

Förster Schreiber, N.M.: Galaxy Surveys at High z with Near-IR IFUs: Key HST-VLT Synergies, invited talk, Science with the Hubble Space Telescope IV: Looking to the future, Rome, Italy, March 2014.

Förster Schreiber, N.M.: Massive Galaxy Growth from 3D Studies, colloquium, Cavendish Laboratory, University of Cambridge, Cambridge, United Kingdom, February 2014.

Fedele, D.: Herschel view of protoplanetary disks, colloquium, ESTEC, The Netherlands, Decemeber 2014.

Fedele, D.: Infrared observations of protoplanetary disks, colloquium, INAF - Rome, Italy, March 2014.

Fedele, D.: Molecular reservoirs in Herbig AeBe disks, colloquium, INAF - Arcetri, Italy, March 2014.

Fedele, D.: The role of photoprocesses in the chemical composition of Herbig AeBe disks, contributed talk, Herbig AeBe stars: the missing link in star formation, ESO - Santiago, Chile, April 2014.

Genzel, R.: Evidence for wide-spread AGN driven outflows in the most massive z~1-2 star forming galaxies, colloquium, MPE Infrared Group Tea Talk, Garching, Germany, July 2014.

Genzel, R.: Galaxien und Massereiche Schwarze Löcher, colloquium, Session of the Class of Mathematics and Natural Sciences, Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences), Munich, Germany, December 2014.

Genzel, R.: Gas build-up in galaxies, invited talk, IAU Symp. 311 “Galaxy Masses as Constraints of Formation Models”, Oxford, United Kingdom, July 2014.

Genzel, R.: Massive Black Holes and Galaxies, invited talk, Kavli Prize Sympoisum on Astrophysics, Oslo, Norway, September 2014.

Genzel, R.: Massive Black Holes and Galaxies, invited talk, SETI Institute, Mountain View, USA, August 2014.

Genzel, R.: Massive Black Holes: Evidence, Demographics and Cosmic Evolution, invited talk, 26th Solvay Conference, Brussels, Brussels, Belgium, October 2014.

Genzel, R.: Massive schwarze Löcher und Galaxien, public talk, IAU Symposium 309 “Galaxies in 3D Across the Universe“, Vienna, Austria, July 2014.

Genzel, R.: SF at the peak of the galaxy formation epoch, invited talk, IAU Symposium 309 “Galaxies in 3D Across the Universe“, Vienna, Austria, July 2014.

Genzel, R.: The GRAVITY VLT(I) experiment: goals and status, colloquium, lunch talk, University of California, Berkeley, USA, February 2014.

Genzel, R.: The evolution of massive star forming disks at the peak of the galaxy formation epoch, invited talk, Keynote Lecture for the Johann Wempe Award, Leibniz Institute for Astrophysics (AIP), Potsdam, Germany, June 2014.

Genzel, R.: Massereiche Schwarze Löcher und Galaxien, invited talk, Gutenberg-Vortrag, University of Mainz, Mainz, Germany, June 2014.

Genzel, R.: Massive Black Holes and Galaxies, colloquium, Joint Theory Colloquium, DESY & Hamburg University, Hamburg, Germany, May 2014.

Genzel, R.: Massive Black Holes and Galaxies, public talk, IAU Symp. 311 “Galaxy Masses as Constraints of Formation Models”, Oxford, United Kingdom, July 2014.

Genzel, R.: Milky Way Galactic Center Black Hole, invited talk, Conference “Lessons from the Local Group” in honor of David Block and Bruce Elmegreen, Mah&eacute, Seychelles, May 2014.

Genzel, R.: Outflows from high-redshift galaxies, invited talk, Ringberg Workshop on Galaxy Evolution, Kreuth, Germany, May 2014.

Genzel, R.: The formation and evolution of massive star forming disks, colloquium, Astronomy Department, University of Berkeley, Berkeley, USA, January 2014.

Genzel, R.: Weighing the black hole in the Galactic center, invited talk, Heraeus Meeting “The strong gravity regime of black holes and neutron stars”, Bad Honnef, Germany, March 2014.

Gerhard, O.E.: Dark Matter and Dynamics In the Outer Halos of Early-Type Galaxies, invited talk, IAU Symposium 311, `Galaxy Masses as Constraints of Formation Models', Oxford, UK, July 2014.

Gerhard, O.E.: Dark matter environment of exponential disks, invited talk, The Formation and Evolution of Exponential Disks in Galaxies, Flagstaff, USA, October 2014.

Gerhard, O.E.: Dynamical Structure and Evolution of the Galactic Bulge, invited talk, Formation and Evolution of the Galactic Bulge, Sesto, Italy, January 2014.

Gerhard, O.E.: Dynamical modeling, invited talk, Gaia Challenge Workshop, Heidelberg, Germany, October 2014.

Gerhard, O.E.: Photometric surveys of the Galactic bulge, invited talk, The Universe of Digital Sky Surveys, Napoli, Italy, November 2014.

Gerhard, O.E.: The Galactic Bulge, colloquium, Garching, Germany, January 2014.

Gerhard, O.E.: The Milky Way Bar, invited talk, Lessons from the Local Group, Mahe, Seychelles, May 2014.

Gerhard, O.E.: The new Milky Way Bar and Bulge, colloquium, La Laguna, Tenerife, Spain, September 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, colloquium, NRAO, Socorro, USA, April 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, colloquium, University of Stockholm, Stockholm, Sweden, April 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, invited talk, COSPAR meeting, Moscow, Russia, August 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, invited talk, Conference "The Unquiet Universe", Cefalu, Italy, June 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, invited talk, Conference "Zeldovich-100", Moscow, Russia, June 2014.

Gillessen, S.: A gas cloud on its way to the Galactic Center Black Hole, invited talk, EWASS Meeting, Geneva, Switzerland, July 2014.

Gillessen, S.: A gas cloud on its way toward the Galactic Center black hole Sgr A*, colloquium, Amsterdam, The Netherlands, February 2014.

Gillessen, S.: Adaptive optics observations of the Galactic Center, invited talk, ESO Conference: Astronomy at High Angular Resolution, Garching, Germany, November 2014.

Gillessen, S.: Fatal fate: A gas cloud on its way to the massive black hole in the Galactic Center, colloquium, Universe Cluster, Garching, Germany, October 2014.

Gillessen, S.: Ferne Planetenwelten, public talk, Anton-Bruckner-Gymnasium Straubing, Straubing, Germany, January 2014.

Gillessen, S.: Feuerwerk im Zentrum der Milchstraße, public talk, Planetarium Stuttgart, Stuttgart, Germany, February 2014.

Gillessen, S.: Fireworks at the "Galactic Center black hole"?, public talk, APS Meeting, Savannah, USA, April 2014.

Gillessen, S.: Fireworks at the "Galactic Center black hole"?, public talk, Planetarium Hamburg, Hamburg, Germany, September 2014.

Gillessen, S.: GRAVITY - Exploring Physics Close to the Galactic Center Black Hole with Infrared Interferometry, invited talk, EHT Meeting, Waterloo, Canada, November 2014.

Gillessen, S.: Groß, Größer, Am Schärfsten, public talk, Forum der Interface AG, Munich, Germany, July 2014.

Gillessen, S.: SINFONI in the Galactic Center - A stellar Ballet and a gaseous Scherzo, invited talk, ESO conference: 3D 2014, Garching, Germany, March 2014.

Gillessen, S.: The Galactic Center - (I) Hunting for a black hole, invited talk, Summerschool, Vienna, Austria, July 2014.

Gillessen, S.: The Galactic Center - (II) Playing with a black hole, invited talk, Summerschool, Vienna, Austria, August 2014.

Gillessen, S.: The gas cloud G2 in the Galactic Center, invited talk, AAS Meeting, Washington, USA, January 2014.

Graciá-Carpio, J.: FIR fine structure lines in galaxies: from PACS to SAFARI, contributed talk, European SPICA Sci-

ence Workshop, Leiden, The Netherlands, May 2014.

Greiner, J.: A classification engine for X-ray transients, contributed talk, EXTraS Kick-off Meeting, Milano, Italy, January 2014.

Greiner, J.: AstroMeV: Towards a sensitive survey of the gamma-ray sky between 100 keV and 100 MeV, contributed talk, GRB conference "20 years Konus-Wind", St. Petersburg, Russia, September 2014.

Greiner, J.: GROND coverage of the main peak of GRB 130925A, contributed talk, "10 yrs Swift" conference, Rome, Italy, December 2014.

Greiner, J.: GROND coverage of the main peak of GRB 130925A, contributed talk, GRB conference "20 years Konus-Wind", St. Petersburg, Germany, September 2014.

Greiner, J.: GROND: capabilities for transient follow-up, contributed talk, Gaia Science Alert Team Meeting, Warszaw, Poland, September 2014.

Greiner, J.: GROND: capabilities for transient follow-up, invited talk, AMON conference, Zeuthen, Germany, December 2014.

Greiner, J.: Recent progress in the understanding of GRBs, colloquium, MPIfR Koll., Bonn, Germany, April 2014.

Greiner, J.: The afterglow of GRBs, invited talk, GRB conference "20 years Konus-Wind", St. Petersburg, Russia, September 2014.

Greiner, J.: X-ray transients and follow-up with GROND, contributed talk, eROSITA Meeting, Potsdam, Germany, September 2014.

Haberl, F.: BeXRBs in the SMC: how many are there?, contributed talk, BeXRB 2014, Valencia, Spain, July 2014.

Haberl, F.: The XMM-Newton survey of the Large (and Small) Magellanic Cloud, invited talk, The X-ray Universe 2014, Dublin, Ireland, June 2014.

Haerendel, G.: Magnetic fractures or reconnection of Type II or the auroral arc mechanism, invited talk, Parker Workshop on Reconnection, São José dos Campos, Brasilien, March 2014.

Haerendel, G.: A new look at the mysterious substorm onset, colloquium, Space Sciences Laboratory, UC Berkeley, Berkeley, USA, May 2014.

Haerendel, G.: M-I coupling scales and energy dumping, contributed talk, Asia Oceanic Geosciences Society, Annual General Meeting 2014, Sapporo, Japan, July 2014.

Haerendel, G.: Auroral arcs as tracers of a dynamic magnetosphere, invited talk, Asia Oceanic Geosciences Society, Annual General Meeting 2014, Sapporo, Japan, July 2014.

Haerendel, G.: Plasma Entry from Tail into the Dipolar Magnetosphere During Substorms, contributed talk, COSPAR Scientific Assembly 2014, Moscow, August 2014.

Haerendel, G.: Begegnung mit einem Kometen, public talk, Café & Cosmos, Muffat Werk, München, September 2014.

Hocuk, S.: The role of small and large scale physics in numerical studies of star formation, contributed talk, Niels Bohr Institute: Early life of stellar clusters, Copenhagen, Denmark, November 2014.

Ivlev, A.: Compact dusty clouds in cosmic environment, contributed talk, 40th COSPAR Scientific Assembly, Moscow, Russia, August 2014.

Ivlev, A.: Complex Plasmas: Particle-resolved Studies of Classical Liquids and Solids, invited talk, 78th Annual Meeting of the DPG, Berlin, Germany, March 2014.

Ivlev, A.: Equilibrium and non-equilibrium melting of two-dimensional plasma crystals, colloquium, GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany, June 2014.

Ivlev, A.: Fluid demixing in binary complex plasmas under microgravity, contributed talk, 40th COSPAR Scientific Assembly, Moscow, Russia, August 2014.

Ivlev, A.: Statistical mechanics where Newton's third law is broken, invited talk, Bauman Moscow State Technical University, Moscow, Russia, December 2014.

Janssen, A.: Do we expect to see very high (J > 30) CO rotational lines in AGN centers?, contributed talk, ISM-SPP Student Meeting, Freising, Germany, May 2014.

Kanbach, G.: Blitze, Ausbrüche und Explosionen im All: Astronomie im Sekundentakt, public talk, Fritz-Weithas-Volkssternwarte, Neumarkt/Opf., Germany, April 2014.

Kanbach, G.: Fast Photon Counting Photometry in the era of ELTs, invited talk, Speed & Sensitivity: Expanding Astronomical Horizons with ELTs, Galway, Ireland, May 2014.

Kanbach, G.: Signatures of Electron and/or Ion acceleration in cosmic sources, contributed talk, ASTROGAM Workshop, IAPS Rome, Rome, Italy, December 2014.

Kanbach, G.: The OPTIMA experience, invited talk, Vienna Fast Photometer Workshop, Vienna, Austria, November 2014.

Klecker, B.: Energetic particle ionic charge states: a clue to their sources and acceleration, colloquium, Beijing University, Beijing, China, September 2014.

Krause, M.G.H.: Gamma-Linien radioaktiver Isotope im Interstellaren Medium und in Supernovae, invited talk, "Astroteilchenphysik in Deutschland - Status und Perspektiven", Karlsruhe Institut fuer Technologie KIT, Germany, Karlsruhe, Germany, October 2014.

Krause, M.G.H.: Two superbubble models: weakly vs. strongly dissipative, invited talk, Superbubbles, HI holes and Supershells, Freising, Germany, November 2014.

Krause, M.G.H.: 3D Hydro Simulations of the interstellar medium around massive-star groups, invited talk, Research Area G science day, Excellence Cluster Universe, Garching, Germany, July 2014.

Krause, M.G.H.: A detailed feedback scenario for globular clusters and implications for the formation of second-generation stars, contributed talk, A Critical Look at Globular Cluster Formation Theories: Constraints from Young Massive Clusters, Sexten, Italy, July 2014.

Krause, M.G.H.: Superbubble hot gas kinematics from gamma ray line shifts, colloquium, University of Bochum,

Bochum, Germany, February 2014.

Krause, M.G.H.: Synthetic X-ray observations of superbubble simulations, contributed talk, Interstellar Medium splinter at AG Tagung, Bamberg, Germany, September 2014.

Lang, P.: Bulge Growth and Quenching since z = 2.5 in CANDELS/3D-HST, contributed talk, Star Formation across Space and Time, Noordwijk, The Netherlands, November 2014.

Lang, P.: Bulge Growth and Quenching since z = 2.5 in CANDELS/3D-HST, invited talk, Centro de Astrofisica da Universidade do Porto, Porto, Portugal, November 2014.

Lutz, D.: AGN driven nuclear outflows in massive star-forming galaxies, contributed talk, AGN vs. Star Formation, Durham, UK, July 2014.

Lutz, D.: Evolving galaxies in the distant universe: From Herschel to SPICA, invited talk, Spica science workshop, Leiden, The Netherlands, May 2014.

Lutz, D.: From (U)LIRGs to main sequence: A Herschel view on infrared galaxies, invited talk, Science with APEX, Schloss Ringberg, Germany, January 2014.

Lutz, D.: From ULIRGs to main sequence: A Herschel view on galaxies and AGN, contributed talk, The unquiet universe, Cefalu, Italy, June 2014.

Müller, T.: Apophis, colloquium, ESO stellar coffee and planetary tea meeting, Germany, December 2014.

Müller, T.: Apophis: Larger and much heavier than previously thought!, contributed talk, ASTEROIDS, COMETS, METEORS 2014, Helsinki, Finland, July 2014.

Müller, T.: Faszination Sonnensystem: Von kleinen Körpern und exotischen Welten, colloquium, Bayernkolleg, Schweinfurt, Germany, November 2014.

Müller, T.: Hayabusa-2 Mission Target Asteroid 162173 (1999 JU3): Searching for the Object's Spin-Axis Orientation, contributed talk, ASTEROIDS, COMETS, METEORS 2014, Helsinki, Finland, June 2014.

Müller, T.: Herschels kalter Blick ins Universum: Von erdnahen Objekten bis zu den entferntesten Galaxien, invited talk, Deutscher Luft- und Raumfahrtkongress 2014, Augsburg, Germany, September 2014.

Müller, T.: Interpretation of thermal emission: II. The effects of surface roughness and thermal inertia for disk-integrated measurements of atmosphereless bodies. The cases of main-belt asteroid (21) Lutetia and near-Earth asteroid (25143) Itokawa, contributed talk, ISSI meeting "Deriving Physical Parameters of Atmosphereless Bodies in the Solar System by Modelling their Thermal Emission", Bern, Switzerland, May 2014.

Müller, T.: Main results on asteroids and comets returned from the Herschel mission, invited talk, The 40th COSPAR Scientific Assembly, Moscow, Russia, August 2014.

Müller, T.: Near-Earth to Trans-Neptunian Objects: Characterization of small bodies from thermal IR/submm observations, colloquium, ALMA colloquium, Santiago, Chile, October 2014.

Müller, T.: The thermal lightcurve of Ceres as measured by the Herschel Space Observatory, contributed talk, ASTEROIDS, COMETS, METEORS 2014, Helsinki, Finland, July 2014.

Müller, T.: Zwischen den Planeten: Von Asteroiden und Kometen, public talk, Cafe&Kosmos, Munich, Germany, February 2014.

Mantovani, G.: Relativistic Iron K-alpha line detection in the Suzaku spectra of IC 4329A, contributed talk, AGN 11, Trieste, Italy, September 2014.

Mantovani, G.: Relativistic Iron K-alpha line detection in the Suzaku spectra of IC 4329A, contributed talk, The X-ray Universe, Dublin, Ireland, June 2014.

Meidinger, N.: Athena WFI Instrument Overview, contributed talk, Athena proto-consortium meeting, Schloss Ringberg, Germany, September 2014.

Meidinger, N.: PNCCD detectors, contributed talk, SVOM MXT consortium meeting, Paris, France, October 2014.

Meidinger, N.: Report on the eROSITA Camera System, contributed talk, Astronomical Telescopes and Instrumentation, SPIE 2014, Montreal, Canada, June 2014.

Meidinger, N.: Status and Performance of the eROSITA Detectors, contributed talk, eROSITA Consortium Meeting, Potsdam, Germany, September 2014.

Meidinger, N.: The Wide Field Imager Instrument for Athena, contributed talk, Athena CDF Meeting, ESTEC, The Netherlands, September 2014.

Meidinger, N.: The Wide Field Imager Instrument for Athena, invited talk, Astronomical Telescopes and Instrumentation, SPIE 2014, Montreal, Canada, June 2014.

Menzel, M.-L.: A Spectroscopic Survey of X-ray Selected AGN in the Northern XMM-XXL field, invited talk, eBOSS Meeting SDSS-IV, Utah, Salt Lake City, USA, July 2014.

Merloni, A.: Future large AGN samples for clustering measurements: eROSITA and its AGN sample, invited talk, Clustering Measurements of Active Galactic Nuclei, Garching, Germany, July 2014.

Merloni, A.: The SPIDERS Survey, invited talk, SDSS-IV collaboration Meeting, Park City, Utah, USA, July 2014.

Merloni, A.: The SRG/eROSITA All-sky survey, invited talk, "Exploiting VST ATLAS... and its sister surveys", Durham, UK, April 2014.

Merloni, A.: The eROSITA all-sky survey, invited talk, Conference Future Directions in Galaxy Cluster Surveys, Paris, France, June 2014.

Merloni, A.: The eROSITA all-sky survey: Mapping the structure of the Energetic Universe, colloquium, DARK Cosmology Center, Copenhagen, Denmark, August 2014.

Merloni, A.: The eROSITA all-sky survey: synergies with SKA, invited talk, GLOWSKA Meeting, Bielefeld, Germany, February 2014.

Merloni, A.: The eROSITA all-ky survey: a global view of the hot Universe, invited talk, Excellence Cluster Universe Science Week, Garching, Germany, December 2014.

Merloni, A.: The host galaxies of X-ray AGN: Feeding and feedback, invited talk, The Evolution of Galaxies in the Lo-

cal Universe, Innsbruck, Austria, May 2014.

Merloni, A.: The host galaxies of X-ray selected AGN: Feeding and feedback, contributed talk, X-ray Universe 2014, Dublin, Ireland, June 2014.

Merloni, A.: Understanding AGN evolution with large X-ray surveys, colloquium, MPIA Heidelberg, Heidelberg, Germany, January 2014.

Nandra, K.: The evolving energetic Universe and the future of X−ray astronomy, colloquium, Festkolloquium anlässlich des 75. Geburtstages von Prof. Rüdiger Staubert, Tübingen, Germany, April 2014.

Nandra, K.: Athena, colloquium, Cambridge Colloquium, Cambridge, UK, May 2104.

Nandra, K.: The Athena Observatory, invited talk, Athena Proposal Workshop, Machida, Japan, May 2014.

Nandra, K.: The Future of X-ray Astronomy, invited talk, The X-ray Universe 2014, Dublin, Ireland, June 2014.

Nandra, K.: Athena: exploring the hot and energetic universe, invited talk, SPIE 2014, Montreal, Canada, June 2014.

Nandra, K.: Athena: exploring the hot and energetic universe, invited talk, AAS-HEAD #14 meeting, Chicago, USA, August 2014.

Nandra, K.: X-ray Astronomy: Present and Future, invited talk, AG Tagung: The Variable Sky: from Tiny Variations to Big Explosions, Bamberg, Germany, September 2014.

Pon, A.: Hide and Go Seek: Possible Places for Life in the Universe, public talk, Harrogate Astronomical Society monthly meeting, Harrogate, England, April 2014.

Pon, A.: How to Blow a (Super)Bubble in Space: The Orion-Eridanus Superbubble, public talk, Royal Astronomical Society of Canada's Annual General Meeting, Victoria, Canada, June 2014.

Pon, A.: Molecular Tracers of Low Velocity Shocks in Molecular Clouds, invited talk, Canadian Astronomical Society's Annual Meeting, Quebec City, Canada, June 2014.

Predehl, P.: Spectrum Roentgen Gamma, invited talk, The X-ray Universe 2014, Dublin, Ireland, June 2014.

Predehl, P.: eROSITA on SRG, contributed talk, SPIE Astronomical Telescopes and Instrumentation, Montreal, Canada, June 2014.

Predehl, P.: eROSITA on Spektrum-Roentgen-Gamma, invited talk, International Conference Zeldovich-100, Moscow, Russia, June 2014.

Raab, W.: The ARGOS laser system: green light for ground layer adaptive optics at the LBT, contributed talk, SPIE Astronomical Telescopes and Instrumentation, Montreal, Canada, June 2014.

Rabien, S.: Status of the ARGOS project, invited talk, Astronomical Telescopes and Instrumentation, SPIE 2014, Montreal, Canada, June 2014.

Rau, A.: The Wide Field Imager for the Athena X-ray Observatory, contributed talk, The X-ray Universe, Dublin, Irland, June 2014.

Rau, A.: The Wide Field Imager for the Athena X-ray Observatory, invited talk, COSPAR 2014, Moscow, Russia, August 2014.

Rau, A.: WFI Science & Instrument Requirements, invited talk, Athena Kick-Off Meeting (Garching), Garching, Germany, January 2014.

Rau, A.: Wide Field Imager - Status, contributed talk, X-IFU Consortium Meeting, Frascati, Italy, October 2014.

Rosario, D.: Star-formation in powerful and obscured AGN, contributed talk, AGN versus star formation: the fate of the gas in galaxies, Durham, UK, July 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, colloquium, Sheffield University, Sheffield, UK, October 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, colloquium, University of St. Andrews, St. Andrews, UK, October 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, contributed talk, Durham University, Durham, UK, October 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, contributed talk, Liverpool John Moores University, Liverpool, UK, October 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, contributed talk, University of Hertfordshire, Hertfordshire, UK, October 2014.

Rosario, D.: Star-formation and nuclear activity in galaxies: A perspective in the era of the Herschel Space Telescope, contributed talk, University of Oxford, Oxford, UK, October 2014.

Rosario, D.: The Herschel Perspective on Star-Formation in Powerful AGN, contributed talk, Powerful AGN Across Cosmic Time, Port Douglas, Australia, June 2014.

Saglia, R.: Template Fitting Algorithms, invited talk, OU-PHZ Euclid Meeting, Geneva, Switzerland, June 2014.

Saglia, R.: PV1 3pi photometric redshifts from the Photometric Classification Server, invited talk, Panstarrs Meeting, Baltimore, USA, June 2014.

Saglia, R.: Supermassive black holes, sizes and densities of bulges: the black hole Fundamental Plane revisited, colloquium, Dartmouth College, Dartmouth, USA, June 2014.

Sanchez, A.G.: BOSS-DR12 clustering wedges, contributed talk, SDSS collaboration meeting, Park City, USA, July 2014.

Sanchez, A.G.: Baryon Acoustic Oscillations, invited talk, AG annual meeting, Bamberg, Germany, September 2014.

Sanchez, A.G.: Baryon Acoustic Oscillations, invited talk, The extragalactic distance scale, Garching, Germany, June.

Sanchez, A.G.: Cosmological implications of the clustering of galaxies in BOSS, colloquium, Instituto de Astrofísica de Canarias, La Laguna, Spain, November 2014.

Sanchez, A.G.: Cosmological implications of the clustering of galaxies in BOSS, colloquium, Munich Joint Astronomy Colloquium, Garching, Germany, January 2015.

Sanchez, A.G.: Cosmological implications of the clustering of galaxies in BOSS, invited talk, TR33 2014 meeting, Heidelberg, Germany, October 2014.

Sanchez, A.G.: Full-shape analysis of two- and three-point clustering statistics in BOSS DR12, invited talk, BOSS/eBOSS collaboration meeting, Cloudcroft, USA, December 2014.

Sanchez, A.G.: HETDEX catalogue construction, contributed talk, HETDEX Science meeting, State College, USA, May 2014.

Sanchez, A.G.: Measuring redshift space distortions with clustering wedges, invited talk, Darklight workshop: measuring and modelling redshift space distortions, Sexten, Italy, July 2014.

Sanchez, A.G.: The clustering of galaxies in BOSS, invited talk, Interdisciplinary Cluster workshop on Statistics, Garching, Germany, February 2014.

Sanders, J. S.: Discovery and identification of massive linear structures in the Coma, cluster of galaxies, contributed talk, COSPAR 2014, Moscow, Russia, August 2014.

Sanders, J. S.: Observing AGN Feedback in Galaxy Clusters and Groups with Athena, invited talk, COSPAR 2014, Moscow, Russia, August 2014.

Schruba, A.: Large-Scale Mass Assembly of Molecular Clouds – Extragalactic Perspective, invited talk, Mass assembly from clouds to clusters, Sexten, Italy, July 2014.

Schruba, A.: Molecular Cloud and Star Formation from Galactic to Sub-Cloud Scale: A Detailed Study of Andromeda and NGC6822, contributed talk, From Galactic to Extragalactic Star Formation – GESF2014, Marseille, France, September 2014.

Schruba, A.: The 3D Perspective on the Interstellar Medium and Star Formation in Andromeda, contributed talk, 3D2014: Gas and stars in galaxies: A multi-wavelength 3D perspective, Munich, Germany, March 2014.

Sturm, E.: Feedback and Outflows as science case for SPICA, contributed talk, SPICA Science Workshop, Leiden, Netherlands, May 2014.

Tacconi, L. J.: High Redshift Galaxies: Gas, Star Formation and Dynamics, invited talk, Lessons from the Local Group: in Honor of David Block and Bruce Elmegreen, Mahe, Seychelles, May 2014.

Tacconi, L. J.: In Situ View of High-z Star Forming Galaxies: IR to mm Observations, invited talk, Star Formation in Galaxies: from Small to Large Scales, European Week of Astronomy and Space Science, Geneva, Switzerland, July 2014.

Tacconi, L. J.: Observations of Gas and Dust in Disks at High Redshift, invited talk, The Formation and Evolution of Exponential Disks in Galaxies, Flagstaff, Arizona, USA, October 2014.

Tacconi, L. J.: PHIBSS: Star Formation, Dynamics and Scaling Relations in High-z Galaxies, invited talk, Galaxies in 3D Across the Universe, IAU Symposium 309, Vienna, Austria, July 2014.

Tacconi, L. J.: Star Formation in Young, High Redshift Galaxies, invited talk, European Week of Astronomy and Astrophysics, Plenary Lecture, Geneva, Switzerland, June 2014.

Tacconi, L. J.: Star Formation, Molecular Gas Fractions and Gas Dynamics in High-redshift Galaxies, colloquium, SFB Colloquium, University of Cologne, Cologne, Germany, January 2014.

Tacconi, L. J.: Star Formation, Molecular Gas and Galaxy Dynamics at the Peak of the Galaxy Formation Epoch, colloquium, Carnegie Observatories, Pasadena, California, USA, February 2014.

Tacconi, L. J.: The Evolution of Molecular Gas & Star Formation from the Peak Epoch of Galaxy Formation to the Present, colloquium, Astronomy Department, UC Berkeley, Berkeley, California, USA, September 2014.

Tacconi, L.J.: NOEMA: NOrthern Extended Millimeter Array, Project Update, invited talk, Astronomy Department, UC Berkeley, Berkeley, California, USA, September 2014.

Thomas, J.: Massive Elliptical Galaxies: BH Scouring or a Bottom-Heavy IMF?, contributed talk, IAU Symposium No. 311: Galaxy Masses as Constraints of Formation Models, Oxford, UK, July 2014.

Trümper, J.: Das Schwarze Loch im Zentrum der Milchstraße, public talk, Mittwochkreis im IBZ München, München, Germany, February 2014.

Trümper, J.: Rüdiger Staubert 75 - My five Decades with Rüdiger, invited talk, Institut für Astronomie und Astrophysik (Uni. Tübingen), Tübingen, Germany, September 2014.

van Dishoeck, E.F.: Astrochemistry of dust, ice and gas: introduction and overview, invited talk, Faraday Discussion 168, Noordwijkerhout, Netherlands, April 2014.

van Dishoeck, E.F.: Building Bridges: my career in the exciting interdisciplinary field of astrochemistry, public talk, Clare McMahon Diversity lecture, Queens' University, Belfast, UK, November 2014.

van Dishoeck, E.F.: Building stars, planets and the ingredients for life between the stars, colloquium, Lise Meitner Award lecture, Chalmers University, Gothenburg, Sweden, September 2014.

van Dishoeck, E.F.: Building stars, planets and the ingredients for life between the stars, invited talk, Annual meeting, Leopoldina Academy, Halle, Germany, March 2014.

van Dishoeck, E.F.: Disks in the embedded phase of star formation: observations vs theory, colloquium, Universidad de Chile, Santiago, Chile, August 2014.

van Dishoeck, E.F.: From IRAS to ISO and Herschel: development of infrared astronomy, invited talk, Minisymposium Harm Habing book, Leiden, Netherlands, February 2014.

van Dishoeck, E.F.: From molecules to planets and stars: summary, invited talk, From molecules to planets and stars, Gothenburg, Sweden, September 2014.

van Dishoeck, E.F.: Photon-dominated regions: chemistry, thermal balance and their impact on star formation, invited talk, Olympian symposium on star formation, Paralia, Greece, May 2014.

van Dishoeck, E.F.: Quantifying the gas inside dust cavities in transitional disks:implications for young planets, contributed talk, Revolution in astronomy with ALMA: the 3rd year, Tokyo, Japan, December 2014.

van Dishoeck, E.F.: Sweet results from ALMA, public talk, ALMA symposium for the public, Tokyo, Japan, December 2014.

van Dishoeck, E.F.: Water in space: from interstellar clouds to planets, colloquium, Queens' University, Belfast, UK, November 2014.

van Dishoeck, E.F.: Zooming into planet-forming zones of disks: sweet results from ALMA, colloquium, Australia National University, Mt. Stromlo, Canberra, Australia, May 2014.

Vilenius, E.: "TNOs are Cool": A Herschel survey of the trans-Neptunian region, colloquium, Excellence Cluster Universe, Garching, Germany, February 2014.

Vilenius, E.: Analysis of classical Kuiper belt objects and Haumea collisional family from Herschel and Spitzer observations, contributed talk, Asteroids, Comets, Meteors, Helsinki, Finland, July 2014.

Winter, A.: X-Ray Telescope Mirrors Made of Slumped Glass Sheets, contributed talk, ICSO International Conference on Space Optics, Costa Adeje, Tenerife, Spain, October 2014.

Wisnioski, E.: KMOS^{3D}: The evolution of resolved kinematics from z=2.7-0.7, contributed talk, European Week of Astronomy and Space Science 2014, Geneva, Switzerland, July 2014.

Wisnioski, E.: KMOS^{3D}: The evolution of resolved kinematics from z=2.7-0.7, contributed talk, Galaxy formation & evolution from the early universe to today, Dubrovnik, Croatia, May 2014.

Wisnioski, E.: KMOS^{3D}: The evolution of resolved kinematics from z=2.7-0.7, contributed talk, Gas and stars in galaxies: A multi-wavelength 3D perspective, ESO, Garching, Garching, Germany, March 2014.

Wisnioski, E.: KMOS^{3D}: The evolution of resolved kinematics from z=2.7-0.7, invited talk, Decoding the Assembly of Galaxy, The Lorentz Center, Leiden, The Netherlands, October 2014.

Wisnioski, E.: KMOS^{3D}: design, first results, and the evolution of resolved kinematics, invited talk, Australian Astronomical Observatory, Sydney, Australia, October 2014.

Wisnioski, E.: KMOS^{3D}: design, first results, and the evolution of resolved kinematics, invited talk, University of Sydney, Sydney, Australia, October 2014.

Wisnioski, E: KMOS^{3D}: design, first results, and the evolution of resolved kinematics, invited talk, Swinburne University of Technology, Melbourne, Australia, September 2014.

Wuyts, E.: Addressing galaxy abundances at 0.7<z<2.5 with KMOS^{3D}, contributed talk, Multiwavelength-surveys:Galaxy Formation and Evolution from the early universe to today, Dubrovnik, Croatia, May 2014.

Wuyts, E.: Probing the relevant scales of star formation within strongly lensed galaxies at z=2-3, contributed talk, Galaxies and Cosmology in Light of Strong Lensing, Tokyo, Japan, November 2014.

Wuyts, E.: The Evolution of Resolved Kinematics and Metallicity from z=2.7 to 0.7 with LUCI, SINS and KMOS^{3D}, contributed talk, IAU309: Galaxies in 3D across the Universe, Vienna, Austria, July 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, Australian National University, Canberra, Australia, September 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, Boston University, Boston, USA, October 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, USA, October 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, University of Michigan, Ann Arbor, USA, October 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, University of Pennsylvania, Philadelphia, USA, October 2014.

Wuyts, S.: Massive galaxy growth since cosmic noon, colloquium, University of Toronto, Toronto, Canada, February 2014.

Wuyts, S.: Observations of stars in disks at high redshift, invited talk, The formation and evolution of exponential disks, Flagstaff, USA, October 2014.

Wuyts, S.: Resolved stellar populations and the mass budget in early disks, contributed talk, Galaxies in 3D across the universe, Vienna, Austria, July 2014.

Wuyts, S.: Resolved stellar populations, bulge growth and quenching, contributed talk, Gas and Stars in Galaxies: A Multi-wavelength 3D Perspective, Munich, Germany, March 2014.

Wuyts, S.: Resolved stellar populations, bulge growth and quenching, invited talk, Gas in and around galaxies, Ringberg, Germany, May 2014.

Yu, H.-F.: Synchrotron Cooling in Hard and Bright Gamma-Ray Bursts, contributed talk, Gamma-Ray Bursts in the Multi-Messenger Era Workshop, Paris, France, June 2014.

Yu, H.-F.: Synchrotron Cooling in the Hardest Gamma-Ray Bursts Observed by the Fermi GBM, contributed talk, Annual meeting of the Astronomische Gesellschaft, Bamberg, Germany, September 2014.

Yu, H.-F.: Synchrotron Cooling in the Hardest Gamma-Ray Bursts Observed by the Fermi GBM, contributed talk, The 5th Fermi Asian Network Workshop, Yilan, Taiwan, July 2014.

PhD Theses

Brucalassi, A.: Search for extra-solar planets with high precision radial velocity curves. Ludwig-Maximilians-Universität München 2014.

Großberger, C.: New Developments and Techniques in Radio to X-ray observations of AGN. Friedrich-Alexander-Universität Erlangen-Nürnberg 2014.

Karska, A.: Feedback from deeply embedded low- and high-mass protostars: surveying hot molecular gas with Herschel. MPE/Leiden University 2014.

Orban de Xivry, G.: The ARGOS Wavefront Sensor Detector and Computer, and the Black Hole Growth of Narrow-Line Seyfert 1 Galaxies. Ludwig-Maximilians-Universität München Munich 2014.

Zendejas Dominguez, J.: Searching for transits in the WTS with the difference imaging light curves. Ludwig-Maximilians-Universität München 2014.

Master

Fuchs, L.: Galaxy structure in color: constraints on resolved stellar populations in distant galaxies. Technische Universität München 2014.

Lutz, K.: Accretion and stellar mass growth in low mass galaxies. Technische Universität München 2014.

Müller, F.: Development of a fiber based integral field unit and derivation of the instrumental response function of an existing integral field unit. Ludwig-Maximilians-Universität München 2014.

Plewa, P. M.: The Location of Sgr A*: Improving the Infrared Astrometric Frame for the Galactic Center by Correcting for Image Distortion. Ludwig-Maximilians-Universität München 2014.

Bachelor

Bauer, L.: Alternatives to supermassive black holes in the center of several galaxies. Ludwig-Maximilians-Universität München 2014.

Bodensteiner, J.: High resolution spectroscopy of three evolved massive stars with mid-infrared circumstellar nebulae. Technische Universität München 2014.

Graeff, D.: Messung der Masse des Schwarzen Loches in LMC X-3. Technische Universität München 2014.

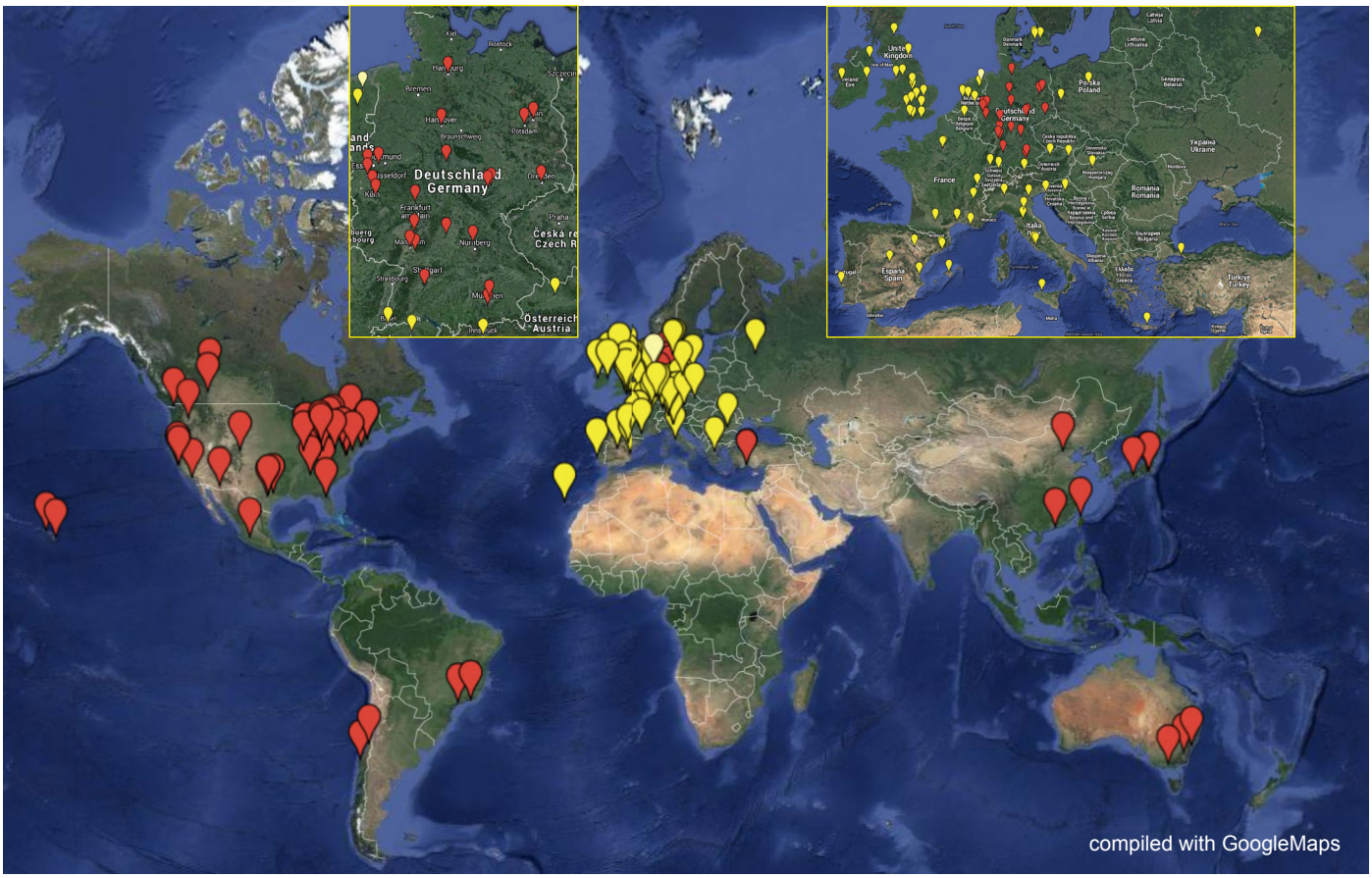
Huber, A.: Maser emission as a probe of the masses of black holes at the centers of galaxies. Ludwig-Maximilians-Universität München 2014.

Neri, G.: Charakterisierung eines galaktischen Röntgendoppelsternsystems mit hochauflösender optischer Spektroskopie. Technische Universität München 2014.

Prechtl, M.: Vermessung der Strahlhomogenität an der PANTER Röntgentestanlage. Technische Universität München 2014.

Collaborations / Transfer of Know-How

Scientific Collaborations by Countries



Australia

Australian National University, Canberra: Galaxienentstehung.

Monash University, Melbourne: Nukleare Astrophysik.

Swinburne University of Technology, Victoria: Millisecond Pulsars.

University of Western Sydney: Magellanic Clouds.

Austria

Universität und TU Wien: Herschel-PACS; MICADO; ATHENA.

Universität Innsbruck: MICADO.

Universität Linz: MICADO.

Belgium

CSL Liège, Katholieke Universiteit Leuven: Herschel-PACS; INTEGRAL-Spectrometer SPI; SPICA-SAFARI.

Brasil

Universidad de Sao Paulo: Galaxienentstehung.

Observatorio Nacional, Rio de Janeiro: DES.

Centro Brasileiro de Pesquisas, Rio de Janeiro: DES.

Universidade Federal do Rio, Rio de Janeiro: DES.

Canada

Dunlap Observatory, Richmond Hill: First Hydrostatic Cores (FHSCs).

NRC - Herzberg, Ottawa: Turbulence, superbubbles and First Hydrostatic Cores (FHSCs).

University of Alberta, Edmonton (Alberta): Turbulence.

University of Calgary: Turbulence.

University of Victoria, Victoria: Turbulence; superbubbles; First Hydrostatic Cores (FHSCs).

University of Waterloo, Waterloo: Herschel HIFI.

University of Western Ontario, London (Ontario): Turbulence.

Chile

Universidad de Concepcion: Röntgen-Doppelsternsysteme.

Universidad Catolica Santiago: Röntgen-Doppelsternsysteme.

China

Institute for High-Energy Physics (IHEP), Peking: AGN und unidentifizierte Gammaquellen von COMPTEL und INTEGRAL.

University of Hongkong: Strahlungsmechanismen von Pulsaren vom Röntgen bis zum Gammabereich.

Croatia

Ministry of Science and Technology, Zagreb: CAST.

Denmark

Dänemarks Technische Universität: ATHENA.

University of Copenhagen: First Hydrostatic Cores.

France

CEA, Saclay: INTEGRAL-Spektrometer SPI; Herschel-PACS; CAST; EUCLID; SPICA; SVOM; Molecular Clouds; ATHENA.

Centre d'Etude Spatiale des Rayonnements (UPS), Toulouse: INTEGRAL-Spektrometer SPI.

IAP Paris: Nukleare Astrophysik.

Laboratoire d'Astrophysique de Marseille (LAM): EUCLID; Gamma-Ray Bursts.

Laboratoire Univers et Particules de Montpellier, Montpellier: Cosmic-ray propagation in molecular clouds.

IPAG Grenoble: GRAVITY; Astrochemistry.

OAMP Marseille: Herschel-PACS.

Observatoire de Paris-Meudon: GRAVITY; MICADO.

Germany

Astrophysikalisches Institut Potsdam: eROSITA; XMM-Newton; GAVO; OPTIMA; ARGOS; HETDEX.

DLR-Köln Porz: Rosetta Lander (Philae).

European Southern Observatory (ESO), Garching: KMOS Multiobjekt-Spectrograph für VLT; GRAVITY; Galaxienentstehung; Nukleare Astrophysik; MICADO; ERIS; Black Hole Cam; Infrared Dark Clouds.

Fraunhofer Institut für Mikroelektronische Schaltungen und Systeme, Duisburg: Mikroelektronikentwicklungen; CAMEX; JFET-CMOS Prozessor; ATHENA; eROSITA.

Heinrich-Heine-Universität, Düsseldorf: Soft Matter Physics.

Institut für Astronomie und Astrophysik Tübingen (IAAT): XMM-Newton; eROSITA; ATHENA.

Institut für Astrophysik Göttingen: MICADO.

Institut für Festkörperphysik und Werkstoff-Forschung, Dresden: Entwicklung weichmagnetischer Werkstoffe.

Institut fur Materialphysik im Weltraum, Köln: Glasübergänge.

Landessternwarte Heidelberg-Königstuhl: Nahinfrarotspektrograph LUCI für LBT; Galaxienentstehung, ARGOS.

Laser Zentrum Hannover: Development of advanced Filters for MICADO; coatings for GRAVITY; dichroics for ARGOS.

Ludwig-Maximilians-Universität (Universitäts-Sternwarte), München: KMOS; MICADO; HETDEX; eROSITA.

Maier-Leibnitz Laboratorium, Garching: eROSITA.

Max-Planck-Institut für Astronomie, Heidelberg: GRAVITY; LUCI; Herschel-PACS; PanSTARRS; SDSS; ARGOS; MICADO; EUCLID.

Max-Planck-Institut für Astrophysik, Garching: GAVO; SDSS; OPTIMA; eROSITA, Prestellar Cores.

Max-Planck-Institut für Gravitationsphysik, Potsdam: Black Hole Cam.

Max-Planck-Institut für Physik, Werner Heisenberg Institut, München: MPI Halbleiterlabor, Entwicklung von CCDs; Active Pixeldetektoren (APS); JFET-Elektronik für den Röntgenbereich; CAST; eROSITA.

Max-Planck-Institut für Radioastronomie, Bonn: ARGOS; Black Hole Cam; Molecular Clouds; Turbulence.

Physikalisch-Technische Bundesanstalt Berlin: eROSITA; SPICA-SAFARI; TES Bolometer SQUID-Auslese-schaltung.

Technische Universität Berlin: Interstellares Medium.

Technische Universität Darmstadt: CAST.

Technische Universität München: Nukleare Astrophysik.

Thüringer Landessternwarte Tautenburg: GROND; Gamma-Ray Bursts.

Trans MIT, Gießen: Pulse tube cooler for GRAVITY.

Universität Bochum: LUCI.

Universität Bonn: Test von Pixeldetektoren für ATHENA; eROSITA; EUCLID.

Universität Düsseldorf: ERC Advanced Grant.

Universität Erlangen (ECAP): eROSITA; ATHENA.

Universität Hamburg: eROSITA; OPTIMA (Flarestars)

Universität Heidelberg: ATHENA; XFEL.

Universität Jena: Isolierte Neutronensterne; Nukleare Astrophysik.

Universität Köln: Galaktisches Zentrum; GRAVITY.

Universität Mannheim: ATHENA; XFEL.

Universität Würzburg: AGADE.

Greece

University of Crete and Foundation for Research and Technology Hellas (FORTH), Heraklion: Ausbau und Betrieb der Skinakas Sternwarte; Untersuchung von windakkretierenden Röntgendoppelsternsystemen; Entwicklung und Einsatz des OPTIMA Photometers; optische Identifikation und Monitoring von Röntgen-AGN, Novae.

Hungary

Konkoly Observatory, Budapest: Herschel-PACS.

Ireland

National University of Ireland, Galway: High Time Resolution Astronomy.

University College Dublin: Fermi/GBM.

Israel

School of Physics and Astronomy, Wise Observatory, Tel Aviv: Aktive Galaxien; Interstellares Medium; Galaxienentwicklung.

Weizmann Institut, Rehovot: Komplexe Plasmen; Galaktisches Zentrum.

Italy

Brera Astronomical Observatory: Himmelsdurchmusterung Galaxienhaufen.

IFCAI-CNR Palermo: XMM-Newton Beobachtungen von Neutronensternen und Pulsaren.

INAF (Insituto Nationale di Astrofisica): ATHENA.

INAF Arcetri: ARGOS; LBT; ERIS; Infrared Dark Clouds; First Hydrostatic Cores, CR in Moelcular Clouds.

INAF Padua: Herschel-PACS; LBT; MICADO.

INAF Roma: LBT; Nukleare Astrophysik.

INAF Trieste: Gamma-Ray Bursts; Fermi/LAT.

INFR Frascati: SIDDHARTA.

Istituto di Fisica dello Spazio Interplanetario (CNR), Frascati: Herschel-PACS.

OAA/LENS Firenze: Herschel-PACS.

Politecnico di Milano: rauscharme Elektronik; Röntgendetektorenentwicklung.

University Bologna: EUCLID.

Japan

IISAS, Sagamihara: SPICA-SAFARI.

Tokio Institute of Technology (TITECH), Ookayama: ASCA/XMM-Newton Beobachtungen von AGN.

University of Osaka: Astro-H.

Mexico

Centro de Radioastronomía y Astrofísica, Universidad Nacional Autónoma de México, Jiquilpan: Infrared Dark Clouds.

Poland

Nicolaus Copernicus (ZAMK), Torun: Pulsars Astronomical Centers; ATHENA.

University Zielona Gora: OPTIMA.

Portugal

SIM Lissabon und Porto: GRAVITY.

Russia

Staatliche Technische Universität Bauman, Moscow: Stark gekoppelte Systeme, Time-domain spectroscopy.

Space Research Institute (IKI) of the Russian Academy of Science, Moscow: eROSITA/Spektrum Röntgen-Gamma.

Skobeltsyn Institute of Nuclear Physics, Moscow: Nukleare Astrophysik; Gamma-Ray Bursts; AGADE.

Sweden

University Lund/Observatory: OPTIMA.

Switzerland

CERN, Geneva: CAST.

ETH Zürich: ERIS.

Observatoire de Genève Sauverny, Geneva: ISDC/INTEGRAL; Nukleare Astrophysik; EUCLID.

Universität Basel: Nukleare Astrophysik.

University of Zurich: Infrared Dark Clouds.

Spain

Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas, Madrid: DES.

ESAC, Madrid: XMM-Newton Science Operations Center; INTEGRAL Science Operations Center; Herschel Science Operations Center.

Instituto de Astrofisica de Canarias (IAC), Laguna: Herschel-PACS.

Instituto de Ciencias del Espacio, Bellaterra: DES.

Institut de Fisica d'Altes Energies, Barcelona: DES.

Universität Valencia, Department de Astronomia, Valencia: INTEGRAL-Spektrometer SPI.

Universidad de Zaragoza: CAST.

Observatorio Astronomico de Mallorca: Novae; Kometen.

Taiwan

National Central University, Chungli; PanSTARRS.

The Netherlands

ESTEC, Noordwijk: XMM-Newton-TS-Spiegelkalibration; CCD Entwicklung; Radiation Performance Instrument;

INTEGRAL; EUCLID.

JIVE Dwingeloo: Black Hole Cam.

NOVA Leiden: MICADO.

Radboud University, Nijmegen: Black Hole Cam.

SRON Groningen: SPICA-SAFARI.

SRON, Utrecht: Chandra-LETG; TES für SPICA.

University of Groningen, Kapteyn Institute: Rekonstruktion der Dichteverteilung im Universum; EUCLID; Dynamical-Chemical Models.

Turkey

Bogazici University, Istanbul: CAST.

UK

Queen‘s University, Belfast: PanSTARRS.

John Moores University, Liverpool: Himmelsdurchmusterung Galaxienhaufen; Infrared Dark Clouds.

Open University, Milton Keynes: Kataklysmische Variablen; Novae; ATHENA.

Rutherford Appleton Laboratory, Council for the Central Laboratory of the Research Councils, Swindon: SIS-Junctions.

SKA Organisation, Jodrell Bank Observatory, Manchester: First Hydrostatic Cores.

University of Cambridge: DES.

University College London, MSSL: High Energy Pulsars. EUCLID; DES.

University of Durham: KMOS, PanSTARRS.

University of Edinburgh: DES; KMOS; PanSTARRS.

University of Leicester: XMM-Newton Datenanalyse; ATHENA; Swift.

University of Nottingham: DES.

University of Portsmouth: DES.

University of Sussex, Brighton: DES.

University of Southampton: Magellanic Clouds.

University Oxford: KMOS.

United Kingdom Astronomy Technology Centre (UKATC): EUCLID; KMOS.

Ukraine

Main National Observatory, Kiev: RoPACS.

USA

Brookhaven National Laboratory: strahlenharte JFET-Elektronik; strahlenharte Detektoren.

California Inst. of Technology, Pasadena: X-ray survey.

CfA, Cambridge: ATHENA/WFI; XMM-Newton/Chandra Kalibration.

Clemson University: Gamma-Ray Bursts; Nukleare Astrophysik.

Fermilab, Batavia: DES.

Harvard University: PanSTARRS.

Harvard-Smithsonian Center for Astrophysics, Cambridge: Molecular cloud cores chemistry and dynamics.

Institute for Astronomy, Hawaii, Honolulu: Galaxienentstehung; PanSTARRS; NIR Kamera für Wendelstein.

Jet Propulsion Laboratory, Pasadena: EUCLID.

Johns Hopkins University: PanSTARRS.

Joint Astronomy Center, Hilo (Hawaii): Turbulence and superbubbles

Marshall Space Flight Center, Huntsville: Fermi Gamma-Ray Burst Monitor; XMM-Newton und Chandra Beobachtungen von Neutronensternen, Pulsaren und Supernova-Überresten.

NOAO, Tucson: DES.

NASA/Ames Research Center, Mofett Field (CA): MHD shocks.

NASA/Goddard Space Flight Center, Greenbelt (MD): INTEGRAL-Spektrometer SPI; Swift.

Ohio State University, Columbus: DES; LBT.

Pacific Northwest National Laboratory (PNNL), Richland: CAST.

Pennsylvania State University: HETDEX; Swift.

Research Corporation, Tucson: LBT.

San Jose State University: MHD shocks.

Smithsonian Astrophysical Observatory, Cambridge: Chandra-LETGS; PanSTARRS;

Röntgendoppelsterne in M31.

Space Telescope Science Institute, Baltimore: Galaxienentstehung; PanSTARRS, Turbulence.

Stanford University: DES; Fermi/LAT; Fermi/GBM.

SLAC, Stanford: CAMP; DES.

Texas A & M University, College Station: DES.

Texas State University, San Marcos: HETDEX.

University of Arizona, Tucson: Kosmische Strahlung; Planetenentstehung; LBT; ARGOS.

University of California, Berkeley: MPG/UCB-Kollaboration; FAST; INTEGRAL-Spektrometer SPI, Superbubbles.

University of California, Santa Cruz: DES.

University of Chicago: DES.

University of Colorado, Boulder (Co): Superbubbles.

University of Florida: Infrared Dark Clouds.

University of Illinois at Urbana-Champaign: DES.

University of Michigan: DES.

University of Pennsylvania: DES.

University of Pittsburgh: Galaxienentstehung.

University of Texas, Austin: Galaxienentstehung; HETDEX, Turbulence.

University of Toledo: Galaxienentstehung.

Multinational Collaborations - Projects

ARGOS - Laserleitstern für das LBT: Arcetri Observatory, Italy; AIP, LSW Heidelberg, MPiA, MPIfR, Germany; University of Arizona, USA.

ASPI - The International Wave Consortium: CNR-IFSI Frascati, Italy; LPCE/CNRS Orleans, France; Dept. of Automatic Control and Systems University of Sheffield, UK.

ATHENA - Advanced Telescope for High Energy Astrophysics: Dänemarks Technische Universität, Dänemark; Nikolaus Kopernikus Astronomical Center, Polen; Universität Wien, Österreich; INAF Italy, Italy; CEA Frankreich, Frankreich; University of Leicester, Open University, UK; Institut für Astronomie und Astrophysik Tübingen, Erlangen Centre for Astroparticle Physics (ECAP), Germany; ESA.

Black Hole Cam ERC Synergy Grant: ESO Garching, MPI für Gavitationsphysik, MPI für Radioastronomie, Germany; Radboud University, JIVE Dwingeloo, The Netherlands.

BOSS - Baryon Oscillation Spectroscopic Survey: SDSS-IV Collaboration.

CAST - CERN Solar Axion Telescope: CERN Geneva, Switzerland; TU Darmstadt, MPI für Physik (WHI) München, Germany; Universidad de Zaragoza, Spain; Bogazici University Istanbul, Turkey; Ministry of Science and Technology Zagreb, Croatia; CEA, Saclay, DAPNIA/-SED, France; Pacific Northwest National Laboratory, Richland, USA.

CDFS - The Chandra Deep Field South: ESO Garching, AIP, Germany; IAP Paris, France; Osservatorio Astronomico Trieste; Instituto Nazionale di Fisica Nucleare Trieste, Italy; Associated Universities Washington, Johns Hopkins University Baltimore, Space Telescope Science Institute Baltimore, USA; Center for Astrophysics Hefei, China.

Chandra: Marshall Space Flight Center Huntsville, Massachusetts Institute of Technology Cambridge, Smithsonian Astrophysical Observatory Cambridge, USA; Space Research Institute Utrecht, The Netherlands; Universität Hamburg, Germany.

COSMOS - Cosmological Evolution Suvey: INAF-Osservatorio Astronomico di Bologna, INAF-Osservatorio Astronomico di Roma, INAF-Osservatorio Astrofisico di Arcetri, INAF/IASF-CNR, Sezione di Milano, IRA-INAF, Bologna, Dipartimento di Astronomia, Universita Padova, Dipartimento di Fisica, Universita degli Studi Roma Tre, Italy; Harvard-Smithsonian Centre for Astrophysics, Cambridge, Dept. of Physics, Carnegie Mellon University, Pittsburg, Institute for Astronomy, University of Hawaii, California Institute of Technology, Pasadena, Dept. of Astronomy, Yale University, USA; INTEGRAL Science Data Centre, Versoix, Switzerland; Laboratoire d'Astrophysique de Marseille, France.

DES - Dark Energy Survey: LMU München, Excellence Cluster Universe, Germany; The Fermi National Accelerator Laboratory (Fermilab), University of Chicago, NOAO, University of Michigan, University of Pennsylvania, University of Illinois at Urbana-Champaign, Ohio State University, Texas A&M University, University of California Santa Cruz, Stanford University, SLAC National Accelerator Laboratory, The Lawrence Berkeley National Laboratory, Argonne National Laboratory, USA; University College London, University of Cambridge, University of Edinburgh, University of Portsmouth, University of Sussex, University of Nottingham, UK; Observatorio Nacional, Centro Brasileiro des Pesquisas Fisicas, Universidade Federal do Rio, Brasilien; Instituto de Ciencias dei Espacio, Institut de Fisica d'Altes Energies, Centro de Investigaciones Energeticas Medioambientales y Tecnologicas, Spain.

ERIS - Enhanced Resolution Imager and Spectograph for the VLT: ESO, Germany; ETH Zürich, Switzerland; INAF Arcetri, Italy.

eROSITA - extended Roentgen Survey with an Imaging Telescope Array: AIP Potsdam, Universität Tübingen, Universität Bonn, Universität Erlangen, Universität Hamburg, Remeis-Sternwarte Bamberg, MPA Garching, LMU (USM) München, Germany; IKI Moskau, Russia.

EUCLID - ESA Mission to map the Dark Energy: ESA; CEA Saclay, LAM, France; University Bologna, INAF, Italy; MSSL, Durham University, UKATC UK; STScI, USA; MPIA Heidelberg, Universität Bonn, Germany.

Fermi/GBM - Fermi Gamma-Ray Burst Monitor: Marshall Space Flight Center Huntsville, University of Huntsville, USA.

Fermi/LAT - Fermi Gamma-Ray Large Area Space Telescope: Stanford University Palo Alto, Naval Research Laboratory Washington DC, Sonoma State University Rohnert Park, Lockheed Martin Corporation Palo Alto, University of California Santa Cruz, University of Chicago, University of Maryland Greenbelt, NASA Ames Research Center Moffett Field, NASA Goddard Space Flight Center for High Energy Astrophysics Greenbelt, Boston University, University of Utah Salt Lake City, University of Washington Seattle, SLAC Particle Astrophysics Group Palo Alto, USA; ICTP and INFN Trieste, Istituto Nacionale di Fisica Nucleare Trieste, Italy; University of Tokyo, Japan; CEA Saclay, France.

FP7 Opticon JRA1 - Adaptive Optics: INAF Padova, INAF Arcetri, Italy; LAM Marseille, LAOG Grenoble; LESIA Paris, ONERA Paris, France; KIS Freiburg, MPIA Heidelberg, Germany; NOVA Leiden, The Netherlands; UKATC Edinburgh; University Durham, UK.

GRAVITY - Instrument for VLT Interferometry: MPIA Heidelberg, Universität Köln, ESO, Garching, Germany; SIM Lissabon und Porto, Portugal; IPAG, Grenoble, Observatoire de Paris / Meudon (LESIA), France.

Herschel/PACS - Photodetector Array Camera and Spectrometer: CSL Liège, Katholieke Universiteit Leuven, Belgium; MPIA Heidelberg, Universität Jena, Germany; OAA/LENS Firenze, IFSI Roma, OAP Padova, Italy; IAC La Laguna, Spain; Universität und TU Wien, Austria; IGRAP Marseilles, CEA Saclay, France; Konkoly Observatory, Hungary

HETDEX - Hobby-Eberly Telescope Dark Energy Experiment: University of Texas, Austin, Pennsylvania State University, Texas A&M University, USA; AIP Potsdam, LMU, USM, Germany.

INTAS - Cooperation of Western and Eastern European Scientists: France, Germany, Norway, Russia.

ISDC - INTEGRAL Science Data Centre: Observatoire de Geneva Sauverny, Switzerland; Service d'Astrophysique Centre d'Etudes de Saclay, France; Rutherford Appleton Laboratory Oxon Dept. of Physics University Southhampton, UK; Institut für Astronomie und Astrophysik Tübingen, Germany; Danish Space Research Institute Lyngby, Denmark; University College Dublin, Ireland; Istituto di Fisica Milano, Istituto die Astrofisica Spatiale Frascati, Italy; N. Copernikus Astronomical Center Warsaw, Poland; Space Research Institute of the Russian Academy of Sciences Moscow, Russia; Laboratory for High Energy Astrophysics GSFC Greenbelt, USA.

INTEGRAL-Spectrometer SPI: Centre d'Etude Spatiale des Rayonnements (CESR) Toulouse, CEA Saclay Gif-sur-Yvette, France; University de Valencia Burjassot, Spain.

KMOS - VLT multi-IFU near-infrared spectrograph: Universitätssternwarte München, Germany; University of Durham, ATC Edinburgh, University of Oxford, UK.

LBT - Large Binocular Telescope Project: MPIA Heidelberg, MPIfR Bonn, Landessternwarte Heidelberg Königstuhl, AIP, Germany; University of Arizona, Tucson, Ohio State University, Columbus, Research Corporation, USA; INAF, Italy.

Lockman Hole, optical/NIR identifications: Astrophysikalisches Institut Potsdam, ESO Garching, Germany; Istituto di Radioastronomia del CNR Bologna, Italien; Associated Universities Washington, California Institute of Technology Pasadena, Institute for Astronomy Honolulu, Princeton University Observatory, Pennsylvania State University Park, USA; Subaru Telescope NAO Hilo, Japan.

LUCI (Instrument for LBT): LSW Heidelberg, MPIA, Universität Bochum, Germany.

MICADO - Multi-Adaptive Optics Imaging Camera for Deep Observations: LMU, USM, MPIA, IFA Göttingen, Germany; INAF Padova, Italy; Austrian Universities astronomy cooperation (Wien, Innsbruck, Linz), Austria; NOVA, Federation of Dutch University Astronomy Depts, The Netherlands; LESIA, Paris, France.

MXT - Microchannel X-Ray Telescope for Gamma-Ray Bursts: CEA, Saclay, France; University of Leicester, UK.

OPTIMA: AIP, MPI für Astrophysik, Universität Hamburg, Germany; University of Crete, Greece; University Zielona Gora, Poland; University Lund/Observatory, Schweden.

PanSTARRS - Panoramic Survey Telescope & Rapid Response System: MPIA Heidelberg, Germany, University of Hawaii, Harvard University, USA, Johns Hopkins Univ. Baltimore, MD, USA, Universities of Durham, Edinburgh, Belfast, UK.

SDSS - Sloan Digital Sky Survey: MPA Garching, MPIA Heidelberg, Germany; Univ. of Washington, Seattle, Fermi National Accelerator Laboratory, Batavia, University of Michigan, Ann Arbor, Carnegie Mellon University, Pittsburgh, Penn State University, University Park, Princeton University Observatory, Princeton, The Institute of Advanced Study Princeton, Space Telescope Science Institute, Baltimore, Johns Hopkins Univ. Baltimore, USA.

SPICA-SAFARI – SPace Infrared telescope for Cosmology and Astrophysics/SpicA FAR-infrared Instrument: University of Tokyo, ISAS/JAXA, Sagamihara, Nagoya University, Japan; SRON, Groningen, TU Delft, The Netherlands; RAL, Dittcot, University of Cardiff, Cambridge University, UK; University of Geneva, ETH Zürich, Switzerland; CEA Grenoble, CESR Toulouse, Sap-CEA Saclay, LAM, Marseille, France; University of Vienna, Austria; MPIA, Heidelberg, Physikalisch Technische Bundesanstalt, Berlin, Germany; CAB-INTA, Madrid, Spain; IFSI-INAF, Rome, Italy; KU Leuven, CSL Liège Belgium; University of Lethbridge, Canada; NUI Maynooth, Ireland.

Swift - Gamma-Ray Burst Mission: NASA/GSFC Greenbelt, Penn State University, USA; University of Leicester, Mullard Space Science Laboratory London, UK; Osservatorio Astronomico Brera, Italy.

XMM-Newton/SSC (Survey Science Center): AIP, Germany; SAP Saclay, CDS Strasbourg, CESR Toulouse, France; University of Leicester, Institute of Astronomy Cambridge, MSSL London, UK.

XMM-Newton/EPIC (European Photo Imaging Camera): SAP Saclay, IAS Orsay, CESR Toulouse, France; University of Leicester, University Birmingham, UK; CNR Mailand-Palermo-Bologna-Frascati, Osservatorio Astronomico Mailand, Italy; Institut für Astronomie und Astrophysik Tübingen, Germany.

Industrial Collaborations

3d shape GmbH, Erlangen: Metrology for slumped glass mirror study.

4D Engineering, Gilching, Germany: Software development for GRAVITY.

ABN GmbH, Neuried: Ongoing servicing of the MPE test facility PANTER.

af inventions, Braunschweig: FPGA programmierung for eROSITA.

Airbus Defense and Space, Munich: EUCLID design study, eROSITA.

Albedo GmbH, Neubiberg; Soft- and hardware developments for PK-3 Plus; electronics for SDD readout.

Array Electronics, Egmating: DAQ development OPTIMA.

BASF Coatings AG, Münster: Investigations on the scattering properties of micro particles.

Bonerz engineering, Weiler-Simmerberg: printed circuit board development, electronics development.

Buchberger GmbH, Tuchenbach: Manufacturing of parts for PANTER manipulators.

Cryovac, Troisdorf: Cryostat for SPICA-SAFARI detector assembly tests.

ESL GmbH, Berlin: Manufacturing of circuit boards.

Freyer GmbH, Tuningen: PANTER, parts for LUCI, eROSITA.

Guido Lex Werkzeugbau GmbH, Miesbach: parts for LUCI.

Hans Englert GmbH, Berlin: Manufacturing of front panels and metering devices.

HPS München: Multi-Layer Insulation (MLI) for eROSITA.

IABG, Ottobrunn: Environmental testing eROSITA.

Ingenieurbüro Buttler, Essen: Development of front-end electronics for ATHENA and eROSITA.

Ingenieurbüro Josef Eder, Hilgertshausen: System Engeneering for eROSITA; GRAVITY.

Ingenieurbüro pfma, Haar-Salmdorf: SAFARI.

Ingenieurbüro Weisz, München: Design and mechanical engineering for LUCI and ERIS.

Invent GmbH, Braunschweig: CFRP-Telescopestructure for eROSITA.

IRIDIAN Spectral Technologies, Ottawa, Canada: Fitters for ERIS Spectrometer.

Korth Kristalle GmbH, Kiel: Lenses for ERIS Spectrometer.

Kugler GmbH, Salem: GRAVITY.

Laserjob GmbH, Grafrath: Development of X-ray baffles for eROSITA.

Luxel Corporation, USA: Filter for eROSITA.

Media Lavio Technologies, Borisio Parini, Italy: eROSITA mirror system.

MBM Maschinenbau, Mühldorf: eROSITA Container.

MENLO Systems, Martinsried, Germany: Metrology Laser for GRAVITY.

MOOG Inc., East Aurora, USA: high pressure valves for eROSITA.

OHB System AG, München: Plasma-crystal experiments on the ISS; PKE; PK-3 Plus; PK-4; EUCLID design study.

Oxford Instruments, UK: Sub-Kelvin cooler for SPICA/SAFARI test facility.

PNSensor, München: Development and Manufacturing of semiconductor detectors; Mounting of semiconductor Systems; ARGOS.

RUAG Austria: Telescope-Cover-Mechanism for eROSITA.

Technotron, Lindau: Development and manufacturing of electronics boards for eROSITA.

TransMIT, Giessen, Germany: pulse tube cooler for GRAVITY.

WINLIGHT OPTICS, Pertuis, France: Beam analyzer optics for GRAVITY.

ZÜND Precision Optics, Diepoldsau, Switzerland: roof prisms for GRAVITY.

Activities in Transfer of Know-How

The high number of cooperations with industry and other research groups leads to a natural transfer of scientific and technical know-how, especially if orders are given to industry.. In contrast, we list in the following those cooperations which are financed by industry as well as patents and licenses..

A) Research Cooperations Financed by Industry

Dr. Johannes Heidenhain-Stiftung, Traunreut: Technologische Entwicklung auf dem Gebiet der Röntgenoptik und Röntgenspektroskopie; Entwicklung schneller Detektoren für Infrarot- und Röntgenstrahlung; Optical design and development for MICADO.

OHB-System GmbH, Bremen: Voruntersuchung für einen flexiblen S/W Simulator für Kleinsatelliten.

PNSensor, München, Aufbau und Test eines Röntgen-Gamma-Strahlen-Detektors.

B) Licences

Baader Planetarium GmbH, Mammendorf: Reflexionsgitter Spectrograph für Lehrzwecke.

PNSensor, München, Detektortechnologie.

Baader Planetarium GmbH, Mammendorf: Baches Echelle Spectrograph.

C) Cooperations with Universities (by Contract)

Detector Development:

Universität Mannheim, ASIC Entwicklung.

Politecnico di Milano, Analog-Elektronik Entwicklung.

Universität Jena: Entwicklung und Fertigung von Röntgen-Zonenplatten.

D) Patents - Activities in 2014

MPE holds a total of 10 patents at the end of 2014.