

Referierte Publikationen

- Abbott, P.B., R. Abbott, T.D. Abbott, ..., J. Greiner, A. von Kienlin, K. Toelge, H.-F. Yu, ..., A. Rau, A. von Kienlin, X. Zhang, ..., T.-W. Chen, et al.: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914. *Ap. J.* 826, L13 (2016).
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Poster

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- Behrendt, M. et al.: Origin of the giant clumps at high- z : the bottom-up scenario, ESO - Discs in Galaxies, Garching, Germany, July 2016.
- Cazzoletti, P. et al.: A possible explanation for the position of the dust ring around GG Tau A, Protoplanetary Discussions, Edinburgh, UK, March 2016.
- Cazzoletti, P. et al.: Vortices and spirals in the HD135344B transition disk: millimeter vs. scattered light, 9th IRAM millimeter interferometry school, Grenoble, France, September 2016.
- Chacón-Tanarro, A. et al.: Grain growth towards the pre-stellar core L1544, European Conference on Laboratory Astrophysics - Gas on the Rocks - ECLA 2016, Madrid, Spain, November 2016.
- Collmar, W.: MeV observations of relativistic jet sources, 11th INTEGRAL Conference: Gamma-Ray Astrophysics in Multiwavelength Perspective, Amsterdam, The Netherlands, October 2016.
- Del Moro, A. et al.: The challenge of the Compton-thick AGN identification, eROSITA/CAASTRO/4MOST workshop, Ringberg, Germany, April 2016.
- Facchini, S. et al.: External photoevaporation in sparse stellar clusters: the impact of dust growth, Protoplanetary discussions, Edinburgh, United Kingdom, March 2016.
- Giuliano, B.M. et al.: Optical Characterization of Interstellar Ice Analogues, European Conference on laboratory Astrophysics, ECLA 2016 - Gas on the Rocks, Madrid, Spain, November 2016.
- Hou, J. et al.: Covariance matrices for precision cosmology, Passo del Tonale, Tenth TRR33 Winter school, Passo del Tonale, Italy, December 2016.
- Lin, M.-Y. et al.: Nuclear stellar kinematics of hard X-ray selected AGNs with matched inactive galaxies, Active Galactic Nuclei: what's in a name?, ESO, Munich, Germany, June 2016.
- Lin, M.-Y. et al.: Stellar kinematics of Swift BAT AGNs with matched inactive galaxies, Hidden Monsters 2016, Dartmouth College, Dartmouth, USA, August 2016.
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- Lutz, D. et al.: The far-infrared emitting region in local galaxies and QSOs: Size and scaling relations, In situ view of galaxy formation, Schloss Ringberg, Germany, November 2016.
- Müller, T.G. et al.: Small bodies: near and far (SBNF), COSPAR Scientific Assembly 2016, Istanbul, Turkey, August 2016.
- Müller-Seidlitz, J. et al.: Spectroscopic performance of DEPFET active pixel sensor prototypes suitable for the high count rate ATHENA WFI detector, SPIE Astronomical Telescopes + Instrumentation, Edinburgh, United Kingdom, June 2016.
- Ott, S. et al.: Modeling of DEPFET based X-ray Detectors for Athena's Wide Field Imager, IEEE Nuclear Science Symposium, Strasbourg, France, November 2016.
- Perez-Villegas, A. et al.: Are the metal-poor stars in the Galactic bulge part of the inner stellar halo?, The Milky Way and its environment: gaining insights into the drivers of galaxy formation and evolution, Paris, France, September 2016.
- Perez-Villegas, A. et al.: Inner Stellar Halo in the Milky Way: Predicted Shape and Kinematics, Disc in Galaxies, Garching, Germany, July 2016.
- Sokolov, V. et al.: Multi-component physical conditions of a giant stellar nursery, European Week of Astronomy and Space Science 2016, Athens, Greece, July 2016.
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- Spezzano, S. et al.: Chemical differentiation in L1544, ECLA 2016, European Conference on Laboratory Astrophysics. Gas on the rocks, Madrid, Spain, November 2016.
- Strong, A. et al.: COMPTEL Reloaded: New Initiatives in Heritage MeV Gamma-Ray Astronomy, Gamma 2016, Heidelberg, Germany, July 2016.
- Szücs, L. et al.: On the caveats of tracing molecular gas with CO emission, Star Formation 2016, Exeter, United Kingdom, August 2016.
- Übler, H. et al.: The Tully-Fisher relation at $0.6 < z < 2.7$ with KMOS^{3D}, Discs in Galaxies, 2016 Munich Joint Conference, Garching, Germany, July 2016.
- von Kienlin, A.: The Fourth Fermi GBM Gamma-Ray Burst Catalog: The First Eight Years, 8th Huntsville Gamma-Ray Burst Symposium, Huntsville, USA, October 2016.
- Yu, H.-F. et al.: An Exploration of Issues with GBM GRB Spectroscopy, The Eighth Huntsville Gamma-Ray Burst Symposium, Huntsville, AL, USA, October 2016.
- Zhao, B. et al.: Protostellar Disk Formation Enabled by Removal of Small Dust Grains, Star formation, magnetic fields, and diffuse matter in the galaxy, Madison, USA, May 2016.

Vorträge

- Alves, F.O.: A Magnetized Prestellar Core: Polarization and Kinematics, contributed talk, Science With the Atacama Pathfinder Experiment (APEX), Ringberg Castle, Germany, March 2016.
- Alves, F.O.: An ALMA view of B59: from collapsing cores to pre-Kuiper Belt structures, contributed talk, Star Formation in Different Environments, Quy Nhon, Vietnam, July 2016.
- Alves, F.O.: An ALMA view of B59: from embedded disks to pre-Kuiper Belt structures, contributed talk, The Early Phase of Star Formation, Ringberg Castle, Germany, June 2016.
- Alves, F.O.: From Planck to ALMA: a multi-scale view of magnetized environments, colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, USA, March 2016.
- Alves, F.O.: Multi-wavelength polarimetry and kinematics in star forming regions: magnetic fields and kinematics, colloquium, RIKEN (Star and Planet Formation Laboratory), Tokyo, Japan, October 2016.
- Alves, F.O.: Polarization and chemistry in the early stages of star formation, invited talk, Workshop on Interstellar Matter 2016, Sapporo, Japan, October 2016.
- Barnes, A.: Star formation rates and efficiencies in the Galactic Centre, contributed talk, The University of Sydney; The 2016 Astronomical Society of Australia's: Annual Scientific Meeting, Sydney, Australia, July 2016.
- Behrendt, M.: Clusters of small clumps can explain the peculiar properties of giant clumps in high-redshift galaxies, invited talk, Institute for Computational Science - University of Zurich, Zurich, Switzerland, February 2016.
- Behrendt, M.: The origin of the giant clumps in high-z galaxies: The bottom-up scenario!, colloquium, Cosmology Seminar, Max-Planck-Institute for astrophysics, Garching, Germany, March 2016.
- Belli, S.: How did galaxies quench? Clues from absorption and emission lines in high-z quiescent galaxies, invited talk, In Situ View of Galaxy Formation, Ringberg, Germany, November 2016.
- Belli, S.: MOSFIRE spectroscopy of quiescent galaxies at high redshift, invited talk, Lorentz Center, Leiden, The Netherlands, August 2016.
- Bodendorf, C.: Optische Messtechnik beim Euclid Weltraumteleskop, invited talk, OPTOCRAFT Workshop 2016 Charakterisierung und Justage optischer Systeme mittels Shack-Hartmann Wellenfrontsensoren, Erlangen, Germany, November 15 2016.
- Boller, Th.: 4MOST Survey Strategy and Science Optimization, contributed talk, 4MOST All Hands Meeting, Heidelberg, Germany, September 2016.
- Boller, Th.: Anfang und Ende des Universums, public talk, Festvortrag zur 30-jährigen Charterfeier der Rotary Clubs Germering, Kloster Andechs, Germany, April 2016.
- Boller, Th.: Die Entwicklung des Universums, public talk, Lions Club Freising, Freising, Germany, April 2016.
- Boller, Th.: The Beginning and the End of the Universe, invited talk, 44th Annual Meeting of the European Society of Dermatological Research, Munich, Germany, September 2016.
- Boller, Th.: The second ROSAT X-ray all-sky survey, invited talk, Multifrequency Behaviour of High Energy Cosmic Sources, Frascati Workshop 2016, Palermo, Italy, May 2016.
- Boller, Th.: X-ray all-sky surveys: from 2RXS to eROSITA, invited talk, IWARA 2016 — 7th International Workshop on Astronomy and Relativistic Astrophysics, Gramado, Brazil, October 2016.
- Caselli, P.: The cold interstellar medium and star formation, invited talk, Annual meeting of the German Astronomical Society, Plenary Talk, Bochum, Germany, September 2016.
- Caselli, P.: Astrochemical diagnostics of star and planet formation, invited talk, Laboratory Astrophysics Division of the AAS: Bridging Laboratory & Astrophysics, San Diego, USA, June 2016.
- Caselli, P.: Astrochemistry and the first steps toward star and planet formation, colloquium, Munich Physics Colloquium, Ludwig-Maximilians-Universität München, Munich, Germany, January 2016.
- Caselli, P.: Astrochemistry and the first steps toward star and planet formation, colloquium, University of Hamburg, Hamburg, Germany, February 2016.
- Caselli, P.: Astrochemistry at the dawn of star and planet formation, colloquium, Department of Chemistry, University of Florida, Gainesville, USA, Gainesville, USA, November 2016.
- Caselli, P.: Astrochemistry at the dawn of star and planet formation, colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA, November 2016.
- Caselli, P.: Astrochemistry at the dawn of star and planet formation, contributed talk, Nanosystems Initiative in Munich - Molecular Origins of Life, Munich, Germany, September 2016.
- Caselli, P.: Astrochemistry in different environments, invited talk, Star Formation in Different Environments, Quy Nhon, Vietnam, July 2016.
- Caselli, P.: Astrochemistry in the earliest stages of star formation, invited talk, ECLA2016 - Gas on the Rocks, Madrid, Spain, November 2016.
- Caselli, P.: Astrochemistry with SOFIA, invited talk, SOFIA Community Tele-Talk Series, Pasadena, USA, June 2016.
- Caselli, P.: Chemistry at the dawn of star formation and links to our Solar System, colloquium, Max-Planck-Institute Sonnensystemforschung, Goettingen, Germany, February 2016.

- Caselli, P.: Chemistry at the dawn of star formation and links to our Solar System, colloquium, University of Maryland, College Park, USA, February 2016.
- Caselli, P.: D and ^{15}N fractionation in pre-stellar cores, contributed talk, Fractionation of isotopes in space: from the Solar System to galaxies, Florence, Italy, October 2016.
- Caselli, P.: Hydride Isotopologue, invited talk, The Hydride Toolbox, Paris, France, December 2016.
- Caselli, P.: The deuteration of interstellar molecules and links to our Solar System, invited talk, The first Italian workshop on astrochemistry: Astronomical Complex Organic Molecules in different environments, Florence, Italy, March 2016.
- Caselli, P.: The first steps toward star and planet formation: an astrochemical journey, colloquium, University College London, London, UK, February 2016.
- Caselli, P.: The importance of high resolution molecular spectroscopy in astrophysics, invited talk, The 24th International Conference on High Resolution Molecular Spectroscopy, Prague, Czech Republic, August 2016.
- Caselli, P.: Water in pre-stellar cores, invited talk, Water in the Universe: from Clouds to Oceans, Noordwijk, The Netherlands, April 2016.
- Cazzoletti, P.: The dust ring in the protoplanetary disk around the GG Tauri - a binary star, colloquium, Institute for Astronomy, University of Hawaii, Honolulu, USA, November 18, 2016.
- Chacon-Tanarro, A.: Search of grain growth towards the center of the pre-stellar core L1544, contributed talk, European Week of Astronomy and Space Science 2016, Athens, Greece, July 2016.
- Chacon-Tanarro, A.: Search of grain growth towards the center of the pre-stellar core L1544, contributed talk, European Week of Astronomy and Space Science 2016, Athens, Greece, July 2016.
- Collmar, W.: Monitoring the Sky at soft Gamma-ray Energies with CGRO/COMPTEL for nine Years, contributed talk, HAP Workshop: Monitoring the non-thermal Universe, Cochem, Germany, December 2016.
- Davies, R.L.: Separating Star Formation and AGN Activity in Galaxies, invited talk, In Situ View of Galaxy Formation, Schloss Ringberg, Germany, November 2016.
- Davies, R.L.: Separating Star Formation and AGN Activity in Galaxies, contributed talk, Astronomical Society of Australia, Sydney, Australia, July 2016.
- Davies, R.: ERIS: a workhorse diffraction limited imager & spectrograph, invited talk, VLT Adaptive Optics Community Days, Munich, Germany, September 2016.
- Davies, R.: How the role of environment in fuelling AGN depends on the host galaxy, contributed talk, Hidden Monsters: Obscured AGN and Connections to Galaxy Evolution, Dartmouth, USA, August 2016.
- Davies, R.: MICADO: First Light Imager for the E-ELT, contributed talk, Ground-based and Airborne Instrumentation for Astronomy VI, Edinburgh, UK, June 2016.
- Davies, R.: MICADO: First Light Imager for the E-ELT, contributed talk, Scientific and Instrumental Perspectives for the E-ELT, Bochum, Germany, September 2016.
- Del Moro, A.: Average hard X-ray spectral properties of the NuSTAR AGNs, contributed talk, Hidden Monsters - Obscured AGN and connections to galaxy evolution (Dartmouth College), Hanover, USA, August 2016.
- Del Moro, A.: Hard X-ray spectral properties of distant AGN in the NuSTAR surveys, contributed talk, AGN: What's in a name? (ESO-Garching), Garching, Germany, June 2016.
- Del Moro, A.: X-ray spectral analysis of NuSTAR AGN: Broad-band (2-40 keV) average spectral properties, contributed talk, NuSTAR science meeting (Caltech), Pasadena, California (USA), November 2016.
- Dennerl, K.: An empirical method for improving the XMM-Newton/EPIC-pn RMF and ARF, contributed talk, 11th International Astronomical Consortium for High Energy Calibration (IACHEC) Meeting, Pune, India, February 2016.
- Dennerl, K.: Determination of the eROSITA PSF, invited talk, IX. International Workshop on Astronomical X-Ray Optics 2016, Prague, Czech Republic, December 2016.
- Dennerl, K.: eROSITA Calibration, contributed talk, eROSITA Consortium Meeting, Tübingen, Germany, September 2016.
- Dexter, J.: Event Horizon Scale Emission Models of Sgr A* and M87, invited talk, Simulations and Modelling of Relativistic MHD Accretion Discs, Oxford, UK, July 2016.
- Dexter, J.: Event horizon scale polarization around Sgr A* and M87, contributed talk, Event Horizon Telescope 2016, Cambridge, USA, November 2016.
- Dexter, J.: Exploring Strong Gravity in the Galactic Center, colloquium, Astronomical Institute of the Charles University, Prague, Czech Republic, November 2016.
- Dexter, J.: GRMHD simulations of the black hole shadow in Sgr A* and M87, invited talk, Black Holes and Black Hole Alternatives, Oldenburg, Germany, October 2016.
- Dexter, J.: Resolving the Event Horizon of the Galactic Center Black Hole, colloquium, Astronomical Institute of the Czech Academy of Sciences, Prague, Czech Republic, November 2016.
- Diehl, R.: Chemical evolution and nuclear astrophysics, contributed talk, Community Meeting "Nuclear Astrophysics in Germany", Darmstadt, Germany, November 2016.
- Diehl, R.: Gamma ray diagnostics of supernova explosions, contributed talk, MIAPP Conference "Supernovae", Garching, Germany, September 2016.
- Diehl, R.: Gamma ray telescopes and diffuse gamma ray line emissions, invited talk, Carpathian school of physics, Sinaia, Romania, July 2016.
- Diehl, R.: Gamma rays from SN2014J, contributed talk, XVIIIth Workshop on Nuclear Astrophysics, Ringberg Castle, Germany, March 2016.
- Diehl, R.: Insights from cosmic gamma rays, colloquium, Astrophysics Colloquium of Physics Department of University of Tokyo, Tokyo, Japan, June 2016.
- Diehl, R.: Insights from cosmic gamma rays, invited talk,

- Astrophysics Seminar of ISAS/JAXA, Fuchinobe, Japan, June 2016.
- Diehl, R.: Insights from cosmic gamma rays, invited talk, Astrophysics Seminar of Kavli Institute for Mathematics of the Universe, Kashiwanoha, Japan, June 2016.
- Diehl, R.: Insights from cosmic gamma rays, invited talk, Astrophysics Seminar of Kyoto University, Kyoto, Japan, May 2016.
- Diehl, R.: Insights from cosmic gamma rays, invited talk, Astrophysics Seminar of National Astronomical Observatory of Japan, Mitaka, Japan, June 2016.
- Diehl, R.: Interstellar Gas across the Universe, contributed talk, Community Meeting "Nuclear Astrophysics in Germany", Darmstadt, Germany, November 2016.
- Diehl, R.: Lessons from Cosmic Gamma Ray Observations, invited talk, Brainstorming Meeting "Nuclear Astrophysics", Basel, Switzerland, September 2016.
- Diehl, R.: Lessons from cosmic gamma ray observations, colloquium, Institutskolloquium, Helmholtz-Institut für Kernphysik, Bonn, Germany, January 2016.
- Diehl, R.: Lessons on supernova explosions from cosmic gamma rays, invited talk, Carpathian school of physics, Sinaia, Romania, July 2016.
- Diehl, R.: News from cosmic gamma rays, invited talk, Symposium "Nuclei in the Cosmos XIV", Niigata, Japan, June 2016.
- Diehl, R.: Pair plasma in recent V404 Cygni flares, invited talk, American Physics Society Press Conference, Salt Lake City, USA, April 2016.
- Diehl, R.: Pair plasma in recent V404 Cygni observations, contributed talk, American Physics Society Conference, Salt Lake City, USA, April 2016.
- Diehl, R.: Perspectives for Nuclear Astrophysics, invited talk, Science Week of Excellence Cluster "Universe", Garching, Germany, December 2016.
- Diehl, R.: Radioactivity gamma rays and the Galaxy's large scale structure, contributed talk, Int. Conference "The Milky Way and its Environment", Paris, France, September 2016.
- Diehl, R.: The INTEGRAL Legacy, contributed talk, XVIIth Workshop on Nuclear Astrophysics, Ringberg Castle, Germany, March 2016.
- Diehl, R.: The INTEGRAL Legacy, invited talk, Winter School on Nuclear Astrophysics, Russbach, Austria, March 2016.
- Dwelly, T.: 4MOST Facility Simulator: capabilities and results, contributed talk, 4MOST All Hands Meeting 2016, Heidelberg, Germany, September 2016.
- Dwelly, T.: The 4MOST Operations System, contributed talk, SPIE Astronomical Telescopes + Instrumentation 2016, Edinburgh, UK, July 2016.
- Eisenhauer, F.: First Light for GRAVITY, invited talk, Astronomical Telescopes + Instrumentation, Edinburgh, Scotland, June 2016.
- Endres, C.P.: Collision induced transitions of ammonia revisited, contributed talk, Workshop on Laboratory Astrophysics: Interstellar Gas, Dust and Ice, Kreuth, Germany, September 2016.
- Endres, C.P.: The SOLEIL View on Prototypical Organic Nitriles: Selected Vibrational Modes of Ethyl Cyanide, C₂H₅CN, and Spectroscopic Analysis using an Automated Spectral Assignment Procedure (ASAP), contributed talk, International Symposium on Molecular Spectroscopy, Champaign - Urbana, Illinois, USA, June 2016.
- Facchini, S.: The impact of external photoevaporation on protoplanetary discs: the impact of dust growth, invited talk, ESO, Garching bei München, Germany, March 2016.
- Feng, S.: Complex Organics in high-mass star-forming regions, colloquium, Complex Organic Molecules in Space, Pisa, Italy, March 2016.
- Feng, S.: Outflow detection in a 70 micron dark high-mass core, colloquium, European Week of Astronomy and Space Science 2016, Athens, Greece, July 2016.
- Fossati, M.: Witnessing the onset of environmental quenching at $z = 1-2$. Results from 3D-HST, contributed talk, Physics of Groups and Galaxy Properties therein, Paris, France, December 2016.
- Fossati, M.: Witnessing the onset of environmental quenching at $z=1-2$. Results from 3D-HST, contributed talk, The galaxy life-cycle. From activity to quiescence, and back, across cosmic time, Venice, Italy, October 2016.
- Friedrich, P.: The eROSITA X-ray Telescope: Design, Development, Manufacturing, Test and Calibration, invited talk, 9th International Workshop on Astronomical X-Ray Optics Prague, Prague, Czech Republic, December 2016.
- Förster Schreiber, N. M.: Galaxy Evolution and Outflows from KMOS3D and SINS/zC-SINF, invited talk, In Situ View of Galaxy Formation, Ringberg, Germany, November 2016.
- Förster Schreiber, N.M.: Galaxy Evolution at the Peak Epoch of Cosmic Star Formation: Witnessing In-situ the Growth and Transformations of Young Galaxies, colloquium, Tel Aviv University, Tel Aviv, Israel, May 2016.
- Förster Schreiber, N.M.: Galaxy Evolution at the Peak Epoch of Cosmic Star Formation: Witnessing In-situ the Growth and Transformations of Young Galaxies, colloquium, The Hebrew University of Jerusalem, Jerusalem, Israel, May 2016.
- Förster Schreiber, N.M.: Outer regions and growth of high-redshift disk galaxies, invited talk, IAU Symposium 321: Formation and Evolution of Galaxy Outskirts, Toledo, Spain, March 2016.
- Förster Schreiber, N.M.: Spatially-Resolved Spectroscopy across 5 Gyrs of Cosmic Time, invited talk, Spectroscopy through the Ages, Leiden, The Netherlands, May 2016.
- Förster Schreiber, N.M.: Witnessing In-situ the Growth and Transformations of Galaxies at Cosmic Noon, invited talk, Panoramas of the Evolving Cosmos: 6th Subaru International Conference, Hiroshima, Japan, November 2016.
- Genzel, R.: Astronomische Forschung mit Weltraumgestützten Teleskopen, invited talk, Symposium Forum Technologie "Forschung mit Satelliten", Bayerische Aka-

- demie der Wissenschaften, Munich, Germany, April 2016.
- Genzel, R.: Massive Black Holes and Galaxies, public talk, FBBVA Foundation, Madrid, Spain, October 2016.
- Genzel, R.: Molecular Gas and Quenching in Star Forming Galaxies at the Peak Epoch of Cosmic Star Formation, invited talk, OPINAS Group Ringberg Meeting, Schloss Ringberg, Kreuth, Germany, March 2016.
- Genzel, R.: Schwarze Löcher — die gigantischen Zentren der Galaxien, invited talk, Exhibition "Einstein Inside", Heidelberg, Germany, October 2016.
- Genzel, R.: Status of the GRAVITY Project, colloquium, Noon Talk, University of California, Berkeley, USA, January 2016.
- Genzel, R.: The Formation and Evolution of Massive Star Forming Disk Galaxies, invited talk, Munich Joint Conference "Discs in Galaxies", Garching, Germany, July 2016.
- Genzel, R.: Evolution of Massive Star Forming Disks at $z \sim 1-3$, invited talk, Meeting "From Stellar Evolution to Galaxy Formation" in Honor of Alvio Renzini's 65th Birthday, Nagano, Japan, March 2016.
- Genzel, R.: Formation/evolution of star forming disk galaxies at the peak of galaxy formation, colloquium, ESO Vitacura, Santiago, Chile, April 2016.
- Genzel, R.: Mass budgets and quenching of $z=1-2$ star forming galaxies, invited talk, Santa Cruz Workshop on Galaxy Formation, Santa Cruz, USA, August 2016.
- Genzel, R.: Massive Black Holes and Galaxies, invited talk, CERN, Geneva, Switzerland, May 2016.
- Genzel, R.: Massive Schwarze Löcher und Galaxien, invited talk, Symposium in Honor of Nobel Awardee Harald zur Hausen, DKFZ (German Cancer Research Center), Heidelberg, Germany, March 2016.
- Genzel, R.: Opening of the meeting, invited talk, "In Situ View of Galaxy Formation", Kreuth, Germany, November 2016.
- Genzel, R.: Recent Results of the KMOS^{3D} spectroscopic Survey, colloquium, Physics Department, University of California, Berkeley, USA, January 2016.
- Genzel, R.: Schwarze Löcher - die gigantischen Zentren der Galaxien, public talk, public talk series "Physik im Theater", Mainz, Germany, October 2016.
- Genzel, R.: Schwarze Löcher und Galaxien, invited talk, ÖAW (Austrian Academy of Sciences), Feierliche Sitzung, Vienna, Austria, May 2016.
- Genzel, R.: The Galactic Center Black Hole: a Quest, colloquium, Astronomy Department, University of Chile, Santiago, Chile, April 2016.
- Genzel, R.: The Galactic Center Black Hole: a Quest, invited talk, EWASS 2016 (European Week of Astronomy and Space Science), Athens, Greece, July 2016.
- George, E.M.: Disobedience: Breaking the Rules for Social Good (panel discussion), invited talk, Forbidden Research, Cambridge, Massachusetts, USA, July 2016.
- George, E.M.: Hacking Culture, invited talk, Forbidden Research, Cambridge, Massachusetts, USA, July 2016.
- George, E.M.: Interplanetary Colonization, contributed talk, Chaos Communications Congress, Hamburg, Germany, December 2016.
- George, E.M.: Making SPIFFI SPIFFIER: Upgrade of the SPIFFI instrument for use in ERIS and performance analysis from re-commissioning, contributed talk, 2016 SPIE Astronomical Telescopes and Instrumentation, Edinburgh, Scotland, June 2016.
- George, E.M.: The beginning of the universe from the bottom of the world., public talk, Nerd Nite München, Munich, Germany, March 2016.
- Gerhard, O.: A coherent dynamical model for the inner Galaxy: bulge, long bar, disk, and halo, contributed talk, Elizabeth and Frederick White Research Conference Galactic archeology and stellar physics, Canberra, Australia, November 2016.
- Gerhard, O.: Bulge models, invited talk, EWASS, Spec. Sess.6. The life and times of the Milky Way bulge, Athens, Greece, July 2016.
- Gerhard, O.: The Milky Way in the age of Gaia, invited talk, Excellence Cluster Science Meeting, Garching, Germany, December 2016.
- Gerhard, O.: The bulge and bar in the Milky Way, invited talk, The secular evolution of self-gravitating systems over cosmic ages, Paris, France, May 2016.
- Gerhard, O.: The large-scale structure of the Milky Way, invited talk, Galactic Surveys: New Results on Formation Evolution Structure and Chemical Evolution of the Milky Way, Sesto, Italy, January 2016.
- Gillessen, S.: An application of GAIA in the Galactic Center, contributed talk, GAIA Workshop, HdA, Heidelberg, Germany, November 2016.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, Volkssternwarte München, Munich, Germany, March 2016.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, Ludwig-Maximilians-Universität München, Reihe Physik Modern, Munich, Germany, October 2016.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, Nerd-Nite, Munich, Germany, June 2016.
- Gillessen, S.: Stellar orbits around Sgr A* and GRAVITY, colloquium, Uni Bochum, Bochum, Germany, September 2016.
- Gillessen, S.: The Galactic Center - unique astrophysical laboratory, invited talk, MAGIC Collaboration Meeting, Zurich, Switzerland, June 2016.
- Gillessen, S.: The Galactic Center - a unique astrophysical laboratory, colloquium, Physics Faculty of Adam Mickiewicz University, Poznan, Poland, January 2016.
- Gillessen, S.: The Galactic Center - a unique astrophysical laboratory, invited talk, Models of Gravity - Black Holes, Neutron Stars, and the structure of space-time, Oldenburg, Germany, October 2016.
- Gillessen, S.: The massive black hole in the Galactic Cen-

- ter, invited talk, FEUP Porto, Porto, Portugal, June 2016.
- Gillessen, S.: The tidal disruption of the gas cloud G2 in the Galactic Center, invited talk, Aspen Center for Physics, Aspen, USA, February 2016.
- Giuliano, B. M.: Spectroscopic Characterization of Interstellar Ice Analogues, contributed talk, Ringberg Workshop on Laboratory Astrophysics, Ringberg Castle, Germany, September 2016.
- Goto, M.: Water ice in the Pipe Nebula and beyond, contributed talk, Laboratory Astrophysics: Interstellar Gas, Dust and Ice, Ringberg, Germany, September 2016.
- Goto, M.: Water ice in the Pipe Nebula, contributed talk, IceAge - The Era of the James Webb Space Telescope, Leiden, The Netherlands, October 2016.
- Goto, M.: Why I need laser guide star for CRILES, contributed talk, VLT Adaptive Optics Community Days Garching 2016, Garching, Germany, September 2016.
- Haberl, F.: Das turbulente Herz der Milchstraße - Beobachtungen des Galaktischen Zentrums mit dem Röntgen-Satelliten XMM-Newton, public talk, Astronomie Stiftung Trebur, Trebur, Germany, April 2016.
- Haberl, F.: EXTrAS discovery of two pulsators in the direction of the LMC, invited talk, Exploring the X-ray Transient and Variable Sky, Pavia, Italy, November 2016.
- Haberl, F.: Highlights from the XMM-Newton X-ray surveys of the Magellanic Clouds, invited talk, Mondello Workshop 2016 on Frontier Research in Astrophysics, Palermo, Italy, May 2016.
- Haberl, F.: What have we learned from the XMM-Newton surveys of Local Group Galaxies?, invited talk, XMM-Newton: The Next Decade, Madrid, Spain, May 2016.
- Habibi, M.: A Paradox of Youth: Spectral Study of S-stars in the Galactic center, contributed talk, 631. Wilhelm und Else Heraeus-Seminar: Stellar aggregates over mass and spatial scales, Bad Honnef, Germany, December 2016.
- Habibi, M.: Spectral study of S- stars in the Galactic center., contributed talk, Dynamics and accretion at the Galactic Center, Aspen, USA, February 2016.
- Haerendel, G.: Kometenschweife, invited talk, Conference "Kometen", Evangelische Akademie Tutzing, Germany, April 2016.
- Haerendel, G.: Commonalities between auroral arcs and solar flares, invited talk, AGU Chapman Conference on Currents in Geospace and Beyond, Dubrovnik, Croatia, May 2016.
- Haerendel, G.: Stürme im Erdmagnetfeld und das Polarlicht, public talk, Ballonmuseum Gersthofen, Germany, May 2016.
- Haerendel, G.: A Peek behind the Scenes of a Space Scientist's Life, invited lecture, Munich-times In Aerospace - Summer School, Herrsching, Germany, June 2016.
- Herrera-Camus, R.: Thermal Pressure and Ionized gas in Nearby Galaxies, contributed talk, Feedback Processes and Modelling of the ISM, Freising, Germany, March 2016.
- Herrera-Camus, R.: Molecular Gas Studies at $z > 1$ as pursued at MPE IR/sub-mm group, invited talk, Physical Characteristics of Normal Galaxies at $z > 2$, Leiden, Netherlands, October 2016.
- Herrera-Camus, R.: Probing the Multiphase Interstellar Medium in Nearby Galaxies through Far-infrared Spectroscopy, colloquium, ALMA Science Center, Santiago, Chile, January 2016.
- Herrera-Camus, R.: Probing the Multiphase Interstellar Medium in Nearby Galaxies through Far-infrared Spectroscopy, colloquium, Universidad de Valparaiso, Valparaiso, Chile, January 2016.
- Herrera-Camus, R.: Using far-infrared transitions to study star formation activity in galaxies, contributed talk, How Galaxies form Stars, Stockholm, Sweden, August 2016.
- Herrera-Camus, R.: [CII] line emission in local and high- z galaxies, invited talk, In Situ View of Galaxy Formation, Ringberg, Germany, November 2016.
- Hocuk, S.: How chemistry influences Cloud structure, Star formation, and the IMF, invited talk, New York University Abu Dhabi (NYUAD), Abu Dhabi, U.A.E., April 2016.
- Hocuk, S.: Investigations and Explorations of the Interstellar Dust Temperature: from small grains to the big picture, contributed talk, Nova Network II, Leiden, The Netherlands, October 2016.
- Hocuk, S.: Sizes in the Universe, Miracles in Space, public talk, Münchener Akademiker Plattform, Munich, Germany, January 2016.
- Hocuk, S.: The Temperature of Interstellar Dust, contributed talk, Multiple Faces of Interstellar Dust, Garching, Germany, September 2016.
- Janssen, A.W.: Broad [CII] line wings as tracer of molecular outflows in local ULIRGs, colloquium, ASTRON, Dwingeloo, The Netherlands, June 2016.
- Janssen, A.W.: Broad [CII] line wings as tracer of molecular outflows in local ULIRGs, colloquium, Leiden University, Leiden, The Netherlands, June 2016.
- Janssen, A.W.: Broad wings in [CII] as tracers of molecular outflows, contributed talk, Sweeping galaxies clean, cold molecular outflows as driver of galaxy evolution. Sexten center for astrophysics, Sexten, Italy, February 2016.
- Käfer, F.: Surface brightness characterisation and evolution of galaxy clusters, contributed talk, German eROSI-TA Consortium meeting, Tübingen, Germany, September 2016.
- Käfer, F.: eHIFLUGCS: Scaling properties of an XMM-Newton galaxy cluster subsample, contributed talk, Alpine Cosmology Workshop, Bolzano, Italy, July 2016.
- Kanbach, G.: The Legacy of EGRET on CGRO, invited talk, CGRO Anniversary Science Session, GSFC, Greenbelt, USA, June 2016.
- Kanbach, G.: MEGA: a project for Medium Energy Gamma-ray Astronomy (0.4 - 50 MeV), invited talk, Workshop 'MeV Gamma-Ray Mission Concepts', Universität Würzburg, Würzburg, Germany, July 2016.
- Klecker, B.: Energetic particle ionic charge composition: a clue to their sources and acceleration, colloquium, Purple Mountain Observatory, Nanjing, China, October 2016.

- Laas, J.: Submillimeter Spectroscopy of Methoxy (CH₃O) for Interstellar Searches, contributed talk, 71st International Symposium on Molecular Spectroscopy, Champaign-Urbana, IL, USA, June 2016.
- Lattanzi, V.: Laboratory Measurements and Astronomical Search of the HSO Radical, contributed talk, 71st International Symposium on Molecular Spectroscopy, Urbana-Champaign, USA, June 2016.
- Lattanzi, V.: Submillimeter wave spectroscopy of HOCO+ and DOCO+, contributed talk, Workshop on LABORATORY ASTROPHYSICS: Interstellar Gas, Dust and Ice, Tagungstätte Schloss Ringberg, Kreuth, Germany, September 2016.
- Lattanzi, V.: The Center for Astrochemical Studies at the Max Planck Institute for Extraterrestrial Physics., contributed talk, 71st International Symposium on Molecular Spectroscopy, Urbana-Champaign, USA, June 2016.
- Lutz, D.: Co-Evolution of AGN and star formation, contributed talk, New Frontiers in Far-infrared and Sub-millimeter Astronomy, Aspen, USA, June 2016.
- Lutz, D.: Dust and gas shaping the evolution of high-redshift galaxies, invited talk, The multiple faces of interstellar dust, Garching, Germany, September 2016.
- Lutz, D.: The ISM content of galaxies up to $z \sim 2.5$, contributed talk, New Frontiers in Far-infrared and Sub-millimeter Astronomy, Aspen, USA, June 2016.
- Lutz, D.: The far-infrared emitting region in local galaxies and QSOs: Size and scaling relations, contributed talk, Discs in Galaxies, Garching, Germany, July 2016.
- Maier, P.: Abwehr von Asteroiden, public talk, Beitrag zur Folge "Asteroiden - die Bedrohung aus dem Kosmos" der N-24 Dokumentationsreihe "Spacetime", Munich, Germany, October 2016.
- Maier, P.: Die Abwehr von Asteroiden, public talk, Vortragsabend zum Asteroid Day, Lehrstuhl für Raumfahrttechnik der TUM, Universität der Bundeswehr München, Munich, Germany, June 2016.
- Maier, P.: On the potential of balloon-based telescopes to detect spectral evidence of mineable materials, contributed talk, Asteroid Science Intersections with In-Space Mine Engineering, Luxembourg, Luxembourg, September 2016.
- Meidinger, N.: Athena WFI Calibration, contributed talk, Athena Calibration Workshop, Utrecht, The Netherlands, January 2016.
- Meidinger, N.: MPE's views on SDDs as focal plane detectors for SFA, contributed talk, eXTP Workshop, Shanghai, China, March 2016.
- Meidinger, N.: The Wide Field Imager Instrument for ATHENA, invited talk, Space Telescopes and Instrumentation 2016: Ultraviolet to Gamma Ray, Edinburgh, Great Britain, July 2016.
- Meidinger, N.: The Wide Field Imager for Athena, invited talk, Athena WFI consortium meeting, Garching, Germany, March 2016.
- Meidinger, N.: X-ray cameras from XMM-Newton to eROSITA up to Athena, invited talk, Interdisciplinary Cluster Workshop "Detectors and Instrumentation", Garching, Germany, May 2016.
- Meidinger, N.: X-ray detector development from XMM-Newton to eROSITA up to Athena, invited talk, ESOC Seminar, Darmstadt, Germany, April 2016.
- Meidinger, N.: XMM-Newton EPIC-PN, eROSITA, Athena-WFI X-ray cameras, invited talk, AHEAD Background Workshop, Rome, Italy, November 2016.
- Meidinger, N.: eROSITA Camera Assembly, invited talk, eROSITA Consortium Meeting, Tübingen, Germany, September 2016.
- Merloni, A.: AGN evolution, a panchromatic view, invited talk, Finding Extremely Relativistic Objects, 8th meeting, Hnanice, Czech Republic, September 2016.
- Merloni, A.: Accretion discs, Broad Line Regions and Narrow line regions, invited talk, ESO-Athena Synergy Workshop, Garching, Germany, September 2016.
- Merloni, A.: Prospects for wide area surveys: the eROSITA-4MOST Synergy, invited talk, ESO-Athena Synergy Workshop, Garching, Germany, September 2016.
- Merloni, A.: SPIDERS, invited talk, eBOSS collaboration meeting, Lausanne, Switzerland, February 2016.
- Merloni, A.: eROSITA on SRG, invited talk, NuSTAR Meeting, Pasadena, USA, November 2016.
- Merloni, A.: eROSITA, invited talk, Follow-up of wide-area X-ray surveys, Ringberg Castle, Germany, April 2016.
- Müller, T.G.: 162173 Ryugu (1999 JU3): Predictions of size, shape, spin, thermal properties, and grain sizes, invited talk, Hayabusa-2 Joint Science Team Meeting, ISAS Tokyo, Japan, November 2016.
- Müller, T.G.: 162173 Ryugu (1999 JU3): Surface properties derived from remote (thermal) observations, contributed talk, International Regolith Science Group Meeting, Tokyo, Japan, November 2016.
- Müller, T.G.: Abwehr von Asteroiden, public talk, "Asteroiden - die Bedrohung aus dem Kosmos" der N-24 Dokumentationsreihe "Spacetime", Munich, Germany, July 2016.
- Müller, T.G.: Asteroiden: Gefahr aus dem All?, public talk, Lions Club Schleißheim, Oberschleißheim, Germany, October 2016.
- Müller, T.G.: Asteroids in the thermal infrared, colloquium, Japan-wide transmitted institute colloquium, Kobe, Japan, December 2016.
- Müller, T.G.: Die Charakterisierung von Asteroiden, public talk, Asteroid Day, Munich, Germany, June 2016.
- Müller, T.G.: Faszination Sonnensystem: Kleine Körper, exotische Welten, Planet X?, public talk, Excellence Cluster Universe; Begabungsstützpunkt Astronomie Erding, Garching, Germany, July 2016.
- Müller, T.G.: Kleinplanet Garching, public talk, VHS München Nord, Garching, Germany, January 2016.
- Müller, T.G.: Planet IX: Evidence for a trans-Kuiper-Belt planet?, colloquium, Excellence Cluster Universe; Special

Universe Talk, Garching, Germany, February 2016.

Müller, T.G.: Ryugu's surface properties from remote thermal observations, contributed talk, Multiscale Asteroid Science Group Meeting, Tokyo, Japan, December 2016.

Müller, T.G.: Small Bodies: Near and Far (SBNF): NEA benchmark studie, contributed talk, ASIME 2016: Asteroid Science Intersections with In-Space Mine Engineering, Luxembourg, Luxembourg, September 2016.

Müller, T.G.: Small bodies near and far, contributed talk, Asteroid Impact Mission (AIM) Science Meeting, ESAC Madrid, Spain, March 2016.

Müller, T.G.: Thermal Characterisation of TNOs/Centaurs with JWST, invited talk, JWST Solar System Workshop, London, UK, August 2016.

Müller, T.G.: Zwischen den Planeten: Von Asteroiden und Kometen, public talk, Kinder Uni Bad Neustadt, Bad Neustadt, Germany, January 2016.

Nandra, K.: Supermassive Black Hole Growth and Evolution, colloquium, Univ. Cambridge, Cambridge, UK, January 2016.

Nandra, K.: Athena and the Wide Field Imager, invited talk, Athena WFI Consortium Meeting, MPE, Garching, Germany, March 2016.

Nandra, K.: Athena: The Advanced Telescope for High Energy Astrophysics, invited talk, SPIE Conference, Edinburgh, UK, July 2016.

Nandra, K.: eROSITA: Synergies between Chandra and the next generation all sky survey, invited talk, Chandra Science for the next decade Conference, Cambridge, USA, August 2016.

Nelson, E.: Growth of Disks and Bulges at High z, invited talk, In Situ View of Galaxy Formation, Schloss Ringberg, Germany, November 2016.

Perez-Villegas, A.: The Stellar Halo in the Inner Milky Way: Predicted Shape and Kinematics, contributed talk, Excellence Cluster Science Day, Garching, Germany, November 2016.

Pfuhl, O.: Dual field interferometry with GRAVITY: the largest optical telescope in the world opens its second eye, contributed talk, SPIE Astronomical Telescopes + Instrumentation, Edinburgh, Great Britain, June 2016.

Pfuhl, O.: High precision astrometry with the GRAVITY interferometer, colloquium, European Week of Astronomy and Space Science, Athens, Greece, July 2016.

Pineda, J.E.: From Cores to Disks: Just follow the gas, invited talk, Workshop on Astrochemistry in Star and Planet Formation, RIKEN, Tokyo, Japan, February 2016.

Pineda, J.E.: The Green Bank Ammonia Survey (GAS): First results of NH₃ mapping the Gould Belt, contributed talk, "The hydride toolbox", Paris, France, December 2016.

Pineda, J.E.: The Green Bank Ammonia Survey (GAS): Initial Results, contributed talk, 227th Meeting of the American Astronomical Society, Kissimmee, Florida, USA, January 2016.

Pineda, J.E.: The Green Bank Ammonia Survey (GAS):

Initial Results, contributed talk, 227th Meeting of the American Astronomical Society, Kissimmee, Florida, USA, January 2016.

Plewa, P.: What's new with G2?, invited talk, Stellar aggregates over mass and spatial scales, Bad Honnef, Germany, December 2016.

Portail, M.: Dynamical Modelling of the Inner Galactic Barred Disk, contributed talk, Discs in Galaxies, ESO, Munich, Germany, July 2016.

Portail, M.: Dynamics and Mass of the Galactic Bulge, Bar and Inner Disk, contributed talk, The Milky Way and its environment, IAP, Paris, France, September 2016.

Punanova, A.: Deuterium fraction and kinematics in low mass star forming regions: environmental effects, contributed talk, Symposium 9 "The Dynamics of Star and Planet Formation" of the EWASS-2016 (European Week of Astronomy and Space Science), Athens, Greece, July 2016.

Punanova, A.: Deuterium fractionation and kinematics in the Taurus molecular cloud, contributed talk, Fractionation of isotopes: from Solar System to galaxies, Florence, Italy, October 2016.

Rau, A.: Athena Wide Field Imager Key Science Drivers, contributed talk, SPIE for Astronomical Telescopes and Instrumentation 2016, Edinburgh, Scotland, July 2016.

Rau, A.: Athena/WFI - Scientific Motivation, invited talk, MPG HLL Review Meeting, Ringberg, Germany, December 2016.

Rau, A.: High-z GRBs in the optical/IR/mm: host galaxy morphology, star formation rate, metallicity, fast optical follow-up, invited talk, ESO-Athena Synergy Workshop, Garching, Germany, Sep 2016.

Rau, A.: Prospects for detecting the shortest period AM CVn systems in the eROSITA all-sky survey, contributed talk, eROSITA_DE Consortium Meeting, Tübingen, Germany, September 2016.

Rau, A.: SRG/eROSITA - Gaia synergies for transients and variables, contributed talk, 7th Opticon Gaia Science Alerts Workshop, Utrecht, The Netherlands, December 2016.

Rau, A.: Science Requirements and Science Team Activities, contributed talk, Athena/WFI Proto-Consortium Meeting, Garching, Germany, March 2016.

Rau, A.: WFI Update, invited talk, X-IFU Consortium Meeting, Utrecht, The Netherlands, May 2016.

Salvato, M.: Photoz for AGN: successes and problems, invited talk, A Cosmic Census of the Galaxies in the Distant Universe, Leiden, The Netherlands, June 2016.

Salvato, M.: Determination of optical/IR counterparts of distant X-ray sources and their redshift, invited talk, ESO-Athena Synergy Workshop, Garching, Germany, September 2016.

Salvato, M.: Errors on blind photoz computed on AGN, contributed talk, Euclid OU-PHZ biannual meeting, Napoli, Italy, May 2016.

Salvato, M.: My work, public talk, Girls' Day, Garching,

Germany, April 2016.

Salvato, M.: ROSAT-2RXS counterparts using Nway. An accurate (Bayesian) algorithm to pair sources simultaneously between N catalogs, invited talk, Challenges in Statistical Inference, Garching, Germany, November 2016.

Salvato, M.: SPIDERS value-added Catalog for AGN, contributed talk, eBOSS collaboration meeting, Lausanne, Switzerland, February 2016.

Salvato, M.: The eROSITA Surveys and the Follow-up, colloquium, JPL Colloquium, Pasadena, CA, USA, September 2016.

Salvato, M.: eROSITA AGN and synergy with JPAS, contributed talk, 13th J-PAS Meeting, Teruel, Spain, September 2016.

Salvato, M.: eROSITA AGN properties: tools/requirements, contributed talk, eROSITA consortium meeting, Tübingen, Germany, September 2016.

Salvato, M.: eROSITA AGN, contributed talk, Follow-up of wide-area X-ray surveys: Science, Facilities, Programs, Ringberg, Germany, April 2016.

Salvato, M.: eROSITA and Euclid synergy, invited talk, Euclid Consortium Meeting 2016, Lisbon, Portugal, June 2016.

Salvato, M.: eROSITA, invited talk, X-ray View of Black Hole Activity in the Local Universe, Zurich, Switzerland, February 2016.

Salvato, M.: eROSITA and SPHEREx synergy, invited talk, Astrophysics with the SPHEREx All-Sky Spectral Survey, Pasadena, USA, February 2016.

Sanders, J.S.: A Chandra hydrostatic analysis of SPT-selected galaxy clusters, contributed talk, German eROSITA Consortium Meeting, Tübingen, Germany, September 2016.

Sanders, J.S.: A detailed X-ray view of the intracluster medium, colloquium, Munich Joint Astronomy Colloquium, Garching, Germany, March 2016.

Sanders, J.S.: Episodic feedback in the core of the Centaurus cluster, contributed talk, Galaxy clusters: physics laboratories and cosmological probes, Kavli Institute for Cosmology, Cambridge, UK, December 2016.

Sanders, J.S.: Veusz, a scientific plotting package, contributed talk, 9th European Conference on Python in Science, Erlangen, Germany, August 2016.

Schönfelder, V.: The History of COMPTEL, invited talk, Celebration of the 25th Anniversary of the Launch of the Compton Gamma Ray Observatory, GSFC, Greenbelt, USA, June 2016.

Schruba, A.: Molecular Cloud Structure and the Star Formation Process at Low Metallicity, colloquium, Königstuhl Colloquium, Max Planck Institute for Astronomy, Heidelberg, Germany, March 2016.

Schruba, A.: Observing the Gaseous Material of the Universe, invited talk, ISM-SPP Conference, Freising, Germany, March 2016.

Schruba, A.: Observing the Interstellar Medium and Star Formation Process in Nearby Galaxies at High Physical

Detail, colloquium, Onsala Space Observatory, Onsala, Sweden, August 2016.

Schruba, A.: The Gas-Star Cycle resolved from Galactic to Cloud Scale in Nearby Galaxies, contributed talk, How Galaxies form Stars, Stockholm, Sweden, August 2016.

Schruba, A.: The High-Resolution View on the Gas-Star Cycle in Nearby Galaxies, contributed talk, Via Lactea: The Milky Way as a Star Formation Engine, Rome, Italy, September 2016.

Schruba, A.: The Interstellar Medium Structure and Star Formation Process in Nearby Disk Galaxies, contributed talk, Discs in Galaxies, ESO, Garching, Germany, July 2016.

Shimizu, T.: The Star-Forming Properties of an Ultra-Hard X-ray Selected Sample of AGN, contributed talk, 227th Meeting of the American Astronomical Society, Kissimmee, FL, USA, January 2016.

Simm, T.: PSD analysis of optical QSO light curves, contributed talk, Active Galactic Nuclei: what's in a name?, Garching, Germany, June 2016.

Simm, T.: PSD analysis of optical QSO light curves, contributed talk, Fero8 Meeting, Vinice Hnanice, Czech Republic, September 2016.

Sipilä, O.: Models of deuterium and spin-state chemistry in low-mass star-forming cores, colloquium, Center for Star and Planet Formation, Copenhagen, Denmark, February 2016.

Soeldner-Rembold, I.: Kinematics of planetary nebulae in NGC 4278, contributed talk, IAU Symposium S323 on Planetary Nebulae: Multi-wavelength Probes of Stellar and Galactic Evolution, Beijing, China, October 2016.

Strong, A.: Cosmic rays: propagation in theory and practice, invited talk, Erice International School on Cosmic-Ray Astrophysics, Erice, Italy, August 2016.

Strong, A.: GALPROP Retrospective and Outlook, colloquium, Ruhr-Universität Bochum, Bochum, Germany, February 2016.

Strong, A.: Gamma-ray data analysis with D3PO, contributed talk, Gamma2016, Heidelberg, Germany, July 2016.

Strong, A.: Reflections on Cosmic Rays Beyond the Standard Model, invited talk, Cosmic Rays Beyond the Standard Model, San Vito di Cadore, Italy, September 2016.

Strong, A.: Reflections on Cosmic-Ray Folklore, invited talk, Sources of Galactic Cosmic rays, Paris, France, December 2016.

Strong, A.: The high-energy ISM and magnetic fields in the context of cosmic rays, gamma rays and synchrotron, invited talk, DFG Research Unit FOR-1254: Magnetic Fields. Plenary Meeting, Berlin, Germany, September 2016.

Sturm, E.: Molecular outflows and feedback in the local universe, invited talk, In Situ View of Galaxy Formation, Ringberg Castle, Germany, October/November 2016.

Szűcs, L.: On the caveats of tracing molecular gas with CO emission, invited talk, STARPLAN, Copenhagen, Denmark, May 2016.

Szűcs, L.: On the caveats of tracing molecular gas with

CO emission, invited talk, School of Physics and Astronomy, Cardiff University, Cardiff, UK, October 2016.

Tacconi, L.J.: Galaxy Formation and Evolution: Gas and Star Formation Properties, invited talk, Half a Decade of ALMA: Cosmic Dawns Transformed, Indian Wells, California, USA, September 2016.

Tacconi, L.J.: Star Formation in Massive Galaxies: the Observational Perspective, invited talk, EWASS Symposium, How Galaxies Live and Die, Athens, Greece, July 2016.

Tacconi, L.J.: The Evolution of Molecular Gas in Star Forming Galaxies from $z=2.5$ to 0, invited talk, From Stellar Evolution to Galaxy Formation: A Celebration in Honor of Alvio Renzini, Kogen Lodge, Nagano, Japan, March 2016.

Tacconi, L.J.: Unified Gas Scaling Relations in Star Forming Galaxies, invited talk, In Situ View of Galaxy Formation, Ringberg Castle, Germany, October 2016.

Tadaki, K.: ALMA Reveals Rapid Formation of a Dense Core for Massive Galaxies at $z\sim 2$, contributed talk, 2016 STScI Spring Symposium: What Shapes Galaxies?, Baltimore, US, April 2016.

Tadaki, K.: ALMA Reveals Rapid Formation of a Dense Core for Massive Galaxies at $z\sim 2$, contributed talk, The Changing Face of Galaxies, Hobart, Australia, September 2016.

Tadaki, K.: ALMA reveals rapid formation of a dense core for massive discs at $z\sim 2$, contributed talk, Discs in galaxies, Garching, Germany, July 2016.

Tadaki, K.: Bulge-forming galaxies with an extended rotating disk at $z\sim 2$, contributed talk, In Situ View of Galaxy Formation, Ringberg, Germany, November 2016.

Tadaki, K.: Rapid formation of a central bulge in massive galaxies at $z\sim 2$: from MAHALO-Subaru to GRACIAS-ALMA, contributed talk, Panoramas of the Evolving Cosmos, Hiroshima, Japan, December 2016.

Thomas, J.: Kinematics & dynamical masses of local massive ETGs, invited talk, Deconstructing Galaxies at Cosmic Noon: The Present and Future of Deep Spectroscopic Surveys at High Redshift, Leiden, The Netherlands, August 2016.

Trümper, J.: Der Stern von Bethlehem, public talk, Montessori-Schule Hausham, Hausham, Germany, December 2016.

Trümper, J.: Discoveries in the X-Ray Sky - A personal recollection, invited talk, European Astronomical Society, Athens, Greece, July 2016.

Trümper, J.: Röntgenstrahlung von Neutronensternen, colloquium, Ernst-Abbe Kolloquium, Jena, Germany, November 2016.

Trümper, J.: Warum scheint eigentlich die Sonne?, public talk, Montessori - Schule Hausham, Hausham, Germany, December 2016.

Übler, H.: Dynamical Properties of Star-forming Galaxies at $0.7 < z < 2.7$, contributed talk, In Situ View of Galaxy Formation, Schloss Ringberg, Germany, November 2016.

Übler, H.: Dynamical Properties of Star-forming Galaxies at $z < 2$ with KMOS^{3D}, invited talk, Physical Characteristics

of Normal Galaxies at $z > 2$, Leiden, The Netherlands, October 2016.

van Dishoeck, E.F.: Astrochemistry: the past and next 10 years, invited talk, Early phases of star formation (EPOS) 2016, Ringberg, Germany, June 2016.

van Dishoeck, E.F.: Building stars, planets and the ingredients for life between the stars, colloquium, Cormack lecture, Edinburgh, UK, November 2016.

van Dishoeck, E.F.: Building stars, planets and the ingredients for life between the stars, public talk, John Bahcall public lecture, Washington DC, USA, March 2016.

van Dishoeck, E.F.: Building stars, planets and the ingredients for life between the stars, public talk, Public Lecture, Amsterdam, The Netherlands, November 2016.

van Dishoeck, E.F.: Chemical fingerprints of star formation, invited talk, European conference on lab astrophysics: gas on the rocks, Madrid, Spain, November 2016.

van Dishoeck, E.F.: Disk physical properties and evolution: major questions for ALMA, invited talk, Protostars and disks with ALMA in Cycle 4, Bordeaux, France, January 2016.

van Dishoeck, E.F.: From clouds to stars and comets, invited talk, Rosetta-ROSINA workshop, Kandersteg, Switzerland, June 2016.

van Dishoeck, E.F.: Hydrides in star-forming regions, invited talk, The Hydride Toolbox, Paris, France, December 2016.

van Dishoeck, E.F.: Protoplanetary disks: what sets the composition of planet-forming material?, invited talk, Kavli exofrontiers symposium, Cambridge, UK, September 2016.

van Dishoeck, E.F.: Roles of women astronomers in the IAU, invited talk, The 10th East Asian meeting on Astronomy, Seoul, Korea, September 2016.

van Dishoeck, E.F.: Setting the scene for planet formation: what ALMA tells us about gas and dust in disks, invited talk, Lorenz Center workshop on New directions in planet formation, Leiden, The Netherlands, July 2016.

van Dishoeck, E.F.: The ALMA PILS survey: sweet ingredients for planet formation, colloquium, Univ. Santiago, Santiago, Chile, December 2016.

van Dishoeck, E.F.: The JWST MIRI instrument and its potential for ice observations, invited talk, Ice Age: the era of the James Webb Space Telescope, Leiden, The Netherlands, October 2016.

van Dishoeck, E.F.: The chemistry trail from clouds to disks and comets, invited talk, From Giotto to Rosetta: 50th ESLAB symposium, Leiden, The Netherlands, March 2016.

van Dishoeck, E.F.: Transitional disks: structure and origin, colloquium, Univ. Florence, Florence, Italy, June 2016.

van Dishoeck, E.F.: Transitional disks: structure and origin, colloquium, University of Arizona, Tucson, USA, April 2016.

van Dishoeck, E.F.: Transitional disks: structure, origin

and evolution, invited talk, The 10th East Asian meeting on Astronomy, Seoul, Korea, September 2016.

van Dishoeck, E.F.: Water across the star formation stages, contributed talk, Water in the universe: from clouds to oceans, Noordwijk, The Netherlands, April 2016.

van Dishoeck, E.F.: Water from clouds to planets, colloquium, John Bahcall lecture, NASA-Goddard, Washington DC, USA, March 2016.

van Dishoeck, E.F.: Water from clouds to planets, invited talk, Nijmegen, The Netherlands, April 2016.

van Dishoeck, E.F.: Zooming into planet-forming zones of disks: sweet results from ALMA (John Bahcall lecture), colloquium, StScl, Baltimore, USA, March 2016.

van Dishoeck, E.F.: Zooming into planet-forming zones of disks: sweet results from ALMA, colloquium, UNAM, Mexico City, Mexico, May 2016.

Vasyunin, A.: Which Chemical Models for What?, invited talk, Astrochemistry with ALMA Cycle 4, Floirac, France, January 2016.

Vasyunin, A.: Formation of complex organic molecules in prestellar cores: an extended model, invited talk, Symposium 8 "Interstellar dust and gas coupling: linking observations, models and laboratory astrophysics" at EWASS-2016, Athens, Greece, July 2016.

von Kienlin, A.: Fermi GBM Observations of LIGO GW150914, invited talk, The first observation of a binary black hole merger: Status and future prospects, Hannover, Germany, May 2016.

von Kienlin, A.: Recent results with Fermi GBM, invited talk, SciNeGHE 2016, High-energy gamma-ray experiments at the dawn of gravitational wave astronomy, Pisa, Italy, October 2016.

Waisberg, I.: GRAVITY@VLTI: Testing General Relativity at the Galactic Center with Optical Interferometry, invited talk, GW161212: The Universe through gravitational waves, Stony Brook, USA, December 2016.

Wilman, D.J.: Tracing the Inside-out Growth and Outside-In Quenching of Disks over $\sim 85\%$ of cosmic time, contributed talk, Mapping the Pathways of Galaxy Transformation across time and space, Catalina Island, California, USA, July 2016.

Wilman, D.J.: Tracing the Inside-out Growth and Outside-In Quenching of Disks over $\sim 85\%$ of cosmic time, contributed talk, The Interplay between local and global processes in Galaxies, Cozumel, Mexico, April, 2016.

Wisnioski, E.: Tracing High-z Galaxy Kinematics from Turbulent Disks to Quenched Spheroids, invited talk, The Changing Face of Galaxies, Hobart, Australia, September 2016.

Wisnioski, E.: The KMOS3D project, invited talk, Formation & Evolution of Galaxy Outskirts, Toledo, Spain, March 2016.

Wisnioski, E.: Tracing High-z Galaxy Kinematics from Turbulent Disks to Quenched Spheroids, invited talk, In Situ View of Galaxy Formation, Ringberg Castle, Germany, November 2016.

Yu, H.-F.: Time-Resolved Spectral Shapes of Gamma-Ray Bursts, invited talk, The Eighth Huntsville Gamma-Ray Burst Symposium, Huntsville, AL, USA, October 2016.

Dissertationen

- Bauböck, M.: The Effects of Spin on Neutron-Star Observations. University of Arizona, Tucson, USA 2016.
- Belli, S.B.: Deep near-infrared spectroscopy of high-redshift galaxies: the physical growth of passive systems. California Institute of Technology, Pasadena, USA 2016.
- Chan, C.C.: Constraining the formation and evolution of cluster galaxies at $z \sim 1.5$ using sizes and colour gradients. Ludwig-Maximilians-Universität München 2016.
- Fossati, M.: Environmentally driven suppression of star formation in galaxies over the last 10 billion years. Ludwig-Maximilians-Universität München 2016.
- Grieb, J.N.: Anisotropic galaxy clustering measurements in Fourier space and cosmological implications from the BOSS DR12 sample. Ludwig-Maximilians-Universität München 2016.
- Lang, P.: The Evolution of high-redshift galaxies from high-resolution near-infrared observations. Ludwig-Maximilians-Universität München 2016.
- Mantovani, G.: Reflection signatures in bright Seyfert 1 galaxies observed with Suzaku and NuSTAR. Ludwig-Maximilians-Universität München 2016.
- Menz, B.J.: Development of large area X-ray beam collimator. Technische Universität München 2016.
- Menzel, M.-L.: Narrow line kinematics in a spectroscopic survey of X-ray selected AGN in the XMM-XXL North. Ludwig-Maximilians-Universität München 2016.
- Obermeier, C.: Searching for hot Jupiter transits around cool stars. Ludwig-Maximilians-Universität München 2016.
- Opitsch, M.O.: The bar of the Andromeda galaxy revealed by integral field spectroscopy. Ludwig-Maximilians-Universität München 2016.
- Portail, M.P.: Structure and Dynamics of the Galactic Bulge and Bar. Ludwig-Maximilians-Universität München 2016.
- Siegert, T.: Positron Annihilation Spectroscopy throughout the Milky Way. Technische Universität München 2016.
- Salazar Alborno, S.: A tomographic approach to the statistical analysis of the large-scale structure of the universe. Ludwig-Maximilians-Universität München 2016.
- Yu, H.-F.: Constraints on the Prompt Emission Mechanism of Gamma-Ray Bursts using Time-Resolved Spectroscopy. Technische Universität München 2016.

Masterarbeiten

- Augenstein, A.: Classification of Background Lines in SPI/INTEGRAL. Technische Universität München 2016.
- Floers, A.: Nebular Spectra of Type Ia Supernovae. Technische Universität München 2016.
- Gräff, D.: Upgrade and Characterization of the SPIFFI/SINFONI Optics. Technische Universität München 2016.
- Pleintinger, M.: Spectroscopy of an Emission Nebula. Technische Universität München 2016.
- Schmalzl, S.: Development of Advanced Techniques for the Analysis of Imaging Spectrometer Data Obtained at the Very Large Telescope in Chile. Technische Universität München 2016.
- Sicheneder, E.: An HII Region Model of Strong Interstellar Scattering towards the Galactic Center. Technische Universität München 2016.
- Vogl, C.: Towards distance determinations of Type IIp Supernovae. Technische Universität München 2016.

Bachelorarbeiten

- Boeck, F.: Broadband study of Cassiopeia A. Technische Universität München 2016.
- Christodoulou, A.: Supernova SN2014J and Positrons. Technische Universität München 2016.
- Philip, J.: Suche nach extrasolaren Planeten per Transitmethode und Periodenmessung von Bedeckungsveränderlichen Doppelsternen in M67. Ludwig-Maximilians-Universität München 2016.