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Poster

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- Behrens, A. et al.: Studies of operation modes for the ATHENA WFI detectors, SPIE Astronomical Telescopes + Instrumentation, Austin, USA, June 2018.
- Cazzoletti, P. et al.: CN fluxes and rings in full protoplanetary disks around young stars, Take a Closer Look: The innermost region of protoplanetary discs and its connection to the origin of planets, Garching bei München, Germany, October 2018.
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- Jimenez-Rosales, A. et al.: Impact of Faraday Effects in Event Horizon Scale GRMHD Images of Sgr A*, EHT Collaboration Meeting, Nijmegen, Netherlands, November 2018.
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- Müller, B. et al.: Spectroscopic Characterization of Interstellar Ice Analogues, Cosmic Dust: origin, applications & implications, Copenhagen, Denmark, June 2018.
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- Müller, T. et al.: Small Bodies Near and Far (SBNF): Challenges in the Physical and Thermal Characterization of NEOs, MBAs and TNOs, European Planetary Science Congress (EPSC), Berlin, Germany, September 2018.
- Müller, T. et al.: 'TNOs are cool': Herschel survey of the Transneptunian Population, The Transneptunian Solar System, Coimbra, Portugal, March 2018.
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- Predehl, P. et al.: eROSITA mated with SRG, SPIE Conference on Space Telescopes and Instrumentation 2018: Ultraviolet to Gamma Ray, Austin/Tx, USA, July 2018.
- Raison, F.: Clustering on two-dimensional stellar kinematics of galaxies, Challenges in 21st Century Cosmology (Cosmo21), Valencia, Spain, May 2018.
- Rau, A.: The Science of the Athena Wide Field Imager, SPIE Astronomical Telescopes + Instrumentation, Austin, USA, June 2018.
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- Segura-Cox, D. et al.: Ringed Substructures in the Dust Disk of Class I Protostar IRS 63, The Wonders of Star Formation, Edinburgh, Scotland, September 2018.
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- Widmann, F. et al.: Improving GRAVITY towards observations of faint targets, SPIE Astronomical Telescopes and Instrumentation, Austin, USA, June 2018.

Vorträge

- Agurto-Gangas, C.: Revealing the dust grain sizes in the envelope of the Class I protostar Per-emb-50, contributed talk, Second Binational Meeting AAA-SOCHIAS (Argentine Association of Astronomy - Chilean Astronomical Society), La Serena, Chile, October 2018.
- Ali-Lagoa, V.: Thermal properties of large main belt asteroids derived from Herschel PACS data, contributed talk, American Astronomical Society, DPS meeting #50, Knoxville, USA, October 2018.
- Alves, F.O.: Dissecting a young circumstellar disk with ALMA, contributed talk, Chalmers Jubilee Professor Workshop on Fractionation, Astrochemistry and Star/Planet formation (the CICO-VICO-MPE connection), Gothenburg, Sweden, September 2018.
- Alves, F.O.: The chemistry of OMC2-FIR4: iCOMs and S-bearing molecules, contributed talk, SOLIS Meeting, London, England, July 2018.
- Bauböck, M: GRAVITY Flare Modeling, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, November 2018.
- Bauböck, M: Modeling Neutron Star Puls Profiles, colloquium, Istanbul University, Istanbul, Turkey, November 2018.
- Bauböck, M: Models of GRAVITY astrometry of Sgr A*, contributed talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Bauböck, M: Return Current Heating of Neutron Star Atmospheres, contributed talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Becker, W.: Exploring the Astrophysics of Neutron Stars with the help of X-ray Observatories, invited talk, 6th International Symposium on Non-equilibrium Dynamics, Varadero, Cuba, May 2018.
- Becker, W.: eROSITA: Status and Future Prospects, contributed talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Behrens, A.: Investigation of Prototype DEPFET Detectors, contributed talk, 7th Athena WFI Consortium Meeting, Garching, Germany, April 2018.
- Beifiori, A.: The KMOS Cluster Survey - KCS: Tracing the evolution of passive galaxies in clusters at $1.4 < z < 1.8$, invited talk, KMOS@5: Star and Galaxy Formation in 3D - Challenges at KMOS 5th Year, Garching, Germany, December 2018.
- Belli, S.: Deep Spectroscopic Observations of Quiescent Galaxies at High Redshift, colloquium, University Observatory Munich (USM), Munich, Germany, November 2018.
- Belli, S.: Stellar Populations of Quiescent Galaxies at High Redshift, invited talk, Birth, life and fate of massive galaxies and their central beating heart, Favignana, Italy, September 2018.
- Bizzocchi, L.: Pure rotational spectrum of $(^{15}\text{N})\text{ND}$ and isotopic-independent Dunham-type analysis of imidogen radical, contributed talk, The 25th International Conference on High Resolution Molecular Spectroscopy, Bilbao, Spain, September 2018.
- Bizzocchi, L.: $^{14}\text{N}/^{15}\text{N}$ ratio measurements in pre-stellar cores with N_2H^+ : new evidences of ^{15}N -antifractionation, colloquium, II Italian Workshop on Astrochemistry - Astrochem2@2018, "Chemical Evolution in our Galaxy: Spectroscopy, Observations and Reactivity", Follonica, Italy, June 2018.
- Bizzocchi, L.: Astrochemistry in the lab: rare isotopologues, colloquium, Chalmers Jubilee Professor Workshop on Fractionation, Astrochemistry and Star/Planet formation, Göteborg, Sweden, September 2018.
- Bizzocchi, L.: High-resolution mm/IR spectrum of DC3N: a global ro-vibrational analysis, contributed talk, Workshop on Laboratory Astrophysics 2018, DESY Hamburg, Hamburg, Germany, October 2018.
- Bizzocchi, L.: Sub-millimetre spectroscopy of light N-bearing radicals and ions, invited talk, ASTRO-Winter Modeling, "Advances in computational & experimental modeling: application to astrochemistry", Bologna, Italy, February 2018.
- Boller, Th.: 4MOST Survey Strategy and Survey Optimization, invited talk, 4MOST Science Meeting, Geneva, Switzerland, June 2018.
- Boller, Th.: Accretion disc physics from the largest multi-wavelength study of 2RXS sources, invited talk, Frascati Workshop 2018 on Multifrequency Behaviour of High Energy Cosmic Sources, Palermo, Italy, June 2018.
- Boller, Th.: Gravitational Wave Astrophysics, invited talk, 6th International Symposium on non-equilibrium dynamics, Varadero, Cuba, April 2018.
- Boller, Th.: Limits of the Universe, invited talk, 27th World Congress of Dermatology EADV, Paris, France, September 2018.
- Bonholzer, M.: First tests of large prototype DEPFET detectors for ATHENA's wide field imager, contributed talk, SPIE Astronomical Telescopes + Instrumentation 2018, Austin, Texas, USA, June 2018.
- Bonholzer, M.: Large-area prototype detectors, contributed talk, 7th Athena WFI Consortium Meeting, Garching, Germany, April 2018.
- Caselli, P.: Deuteration and ionisation, invited talk, The Scientific Heritage of Malcolm Walmsley, Florence, Italy, October 2018.
- Caselli, P.: From Interstellar Clouds to Life on Earth, public talk, Chemical evolution in our Galaxy, Follonica, Italy, July 2018.
- Caselli, P.: From pre-stellar cores to protoplanetary disks, invited talk, Virginia Initiative on Cosmic Origins (VICO) Workshop, Charlottesville, USA, November 2018.
- Caselli, P.: Introduction to Astrochemistry, invited talk, 2018 KROME Computational school, Concepcion, Chile, November 2018.
- Caselli, P.: MIR/FIR Astronomy, invited talk, Brainstorming

- meeting on Stratospheric Balloons for Astronomy, Stuttgart, Germany, November 2018.
- Caselli, P.: Our Astrochemical Origins, invited talk, Astrochemistry: Discoveries to inform the chemical sciences and engineering communities, Washington DC, USA, November 2018.
- Caselli, P.: Prestellar chemistry and the role of water: from Herschel to JWST, invited talk, Astrochemistry: Past, Present & Future, Pasadena, USA, July 2018.
- Caselli, P.: The first steps toward pre-biotic molecules at the dawn of star and planet formation, colloquium, University of Amsterdam, Anton Pannekoek Institute of Astronomy, Amsterdam, The Netherlands, May 2018.
- Caselli, P.: The first steps toward pre-biotic molecules at the dawn of star and planet formation, invited talk, Bunsentagung 2018 - Kinetics in the real world, Hannover, Germany, May 2018.
- Caselli, P.: The first steps toward pre-biotic molecules at the dawn of star and planet formation, invited talk, CeNS workshop 2018: Celebrating Nanoscience, Venice, Italy, September 2018.
- Caselli, P.: The importance of cosmic rays in star and planet formation, invited talk, Cosmic rays: the salt of the star formation recipe, Florence, Italy, May 2018.
- Caselli, P.: Water as a tracer of star formation, invited talk, Velocity-Resolved Far-Infrared Imaging Spectroscopy of the Future; A Symposium Honouring Paul F. Goldsmith, Paris, France, October 2018.
- Cazzoletti, P.: Where do the spirals come from? Multi-wavelength, high-resolution study of HD135344B, colloquium, Star and planet formation seminar, ESO, Garching bei München, Germany, November 2018.
- Cazzoletti, P.: Where do the spirals come from? Multi-wavelength, high-resolution study of HD135344B, contributed talk, Star and planet formation in the Southwest 2, Tucson, USA, March 2018.
- Chantzios, J.: Accurate sub-millimeter rest-frequencies for HCCO and DCCO radicals, contributed talk, The 25th International Conference on High Resolution Molecular Spectroscopy, Bilbao, Spain, September 2018.
- Chen, T.-W.: GROND followup of kilonovae, invited talk, Planning ESO observations of future gravitational wave events, Munich, Germany, January 2018.
- Chen, T.-W.: Host and local environment of superluminous supernovae, invited talk, European Week of Astronomy and Space Science, Liverpool, UK, April 2018.
- Chen, T.-W.: Superluminous supernovae and challenges to find them early, invited talk, Transients in New Surveys: the Undiscovered Country, Leiden, Netherlands, July 2018.
- Collmar, W.: Erde, Sonne, Mond und Sterne: Eine Reise ins Weltall, public talk, International Bilingual School Munich, München, Germany, May 2018.
- Collmar, W.: CGRO/COMPTEL Observations of Relativistic Jet Sources at MeV Energies for 9 Years, contributed talk, Monitoring the non-thermal Universe 2018, Cochem, Germany, September 2018.
- Collmar, W.: The Gamma-Ray Sky at MeV Energies as seen by CGRO/COMPTEL, colloquium, Astronomie und Astrophysik Uni Würzburg, Würzburg, Germany, December 2018.
- Comparat, J.: A holistic approach for cosmology with extragalactic surveys, colloquium, Institute for Cosmology and Gravitation, Portsmouth, UK, Februar 2018.
- Comparat, J.: A holistic approach for cosmology with extragalactic surveys, invited talk, Alpine cosmology conference, Val de Vogna, Italy, July 2018.
- Comparat, J.: Cosmology with future spectroscopic surveys of galaxies, invited talk, Societe francaise d'astronomie et d'astrophysique, Bordeaux, France, July 2018.
- Comparat, J.: Stellar population properties for 2 million galaxies from SDSS DR14 and DEEP2 DR4 from full spectral fitting, invited talk, Frontier Research in Astrophysics - III, Mondello, Italy, May 2018.
- Comparat, J.: Sloan Digital Sky Survey IV: Extended Baryonic Oscillation Spectroscopic Survey Emission Line Galaxies Program SDSS-IV/eBOSS ELG, invited talk, Understanding Emission-line galaxies for the next generation of cosmological surveys - Centro de Estudios de Fisica del Cosmos de Aragon, Teruel, Spain, September 2018.
- Comparat, J.: eBOSS Galaxy science SPIDERS clusters, invited talk, eBOSS collaboration meeting, Paris, France, December 2018.
- Davies, R.L.: Ionized Gas Outflows at $z \sim 2$ with the SINS Survey, contributed talk, A Star Was Born!, Tuscany, Italy, April 2018.
- Davies, R.L.: Properties and Scaling Relations of Ionized Gas Outflows at $z \sim 1-3$, contributed talk, The Role of Feedback in Galaxy Formation: From Small-Scale Winds to Large-Scale Outflows, Potsdam, Germany, September 2018.
- Davies, R.L.: Properties and scaling relations of ionized gas outflows at $z \sim 2$, contributed talk, KMOS@5: Star and Galaxy Formation in 3D - Challenges at KMOS 5th Year, Munich, Germany, December 2018.
- Davies, R.: A Conference Summary: Is our Changing Look now only Partially Obscured?, invited talk, The many faces of the AGN obscuration, Puerto Varas, Chile, December 2018.
- Davies, R.: ERIS: Revitalising an Adaptive Optics Instrument for the VLT, contributed talk, SPIE, Ground-based and Airborne Instrumentation for Astronomy VII, Austin, USA, June 2018.
- Davies, R.: MICADO: First Light Imager for the ELT, invited talk, Extremely Large Telescope: UK Community Day, London, UK, January 2018.
- Davies, R.: The MICADO first light imager for the ELT: overview, operation, simulation, contributed talk, SPIE, Ground-based and Airborne Instrumentation for Astronomy VII, Austin, USA, June 2018.
- Davies, R.: Where do Seyferts get their Gas?, colloquium, Kapteyn Astronomical Institute, Groningen, The Netherlands, June 2018.
- Del Moro, A.: A broad-band view on the intrinsic properties of the hard X-ray AGN detected by NuSTAR, contributed talk, Local hard X-ray selected AGN across the multi-

wavelength spectrum, Santiago, Chile, March 2018.

Del Moro, A.: Exploring the host galaxy properties of the SPIDERS-DR14 AGN, contributed talk, SDSS collaboration meeting, Seoul, South Korea, June 2018.

Del Moro, A.: QSO Working Group Status, contributed talk, eBOSS collaboration meeting, Garching, Germany, February 2018.

Del Moro, A.: SPIDERS project overview, invited talk, SDSS collaboration meeting, Seoul, South Korea, June 2018.

Del Moro, A.: The host galaxies of X-ray selected AGN in SPIDERS-DR14, contributed talk, SPIDERS/TDSS/SDSS-V collaboration meeting, Garching, Germany, February 2018.

Dennerl, K.: An empirical method for improving the XMM-Newton/EPIC-pn RMF and ARFs, contributed talk, 13th IACHEC Meeting (International Astronomical Consortium for High Energy Calibration), La Tenuta dei Ciclamini, Italy, April 2018.

Dennerl, K.: An empirical method for improving the XMM-Newton/EPIC-pn RMF and ARFs, contributed talk, XMM-Newton EPIC Calibration and Operations Meeting, ESAC, Spain, March 2018.

Dennerl, K.: Status of eROSITA calibrations, contributed talk, eROSITA Working Group Chairs Meeting, Moscow, Russia, November 2018.

Dennerl, K.: eROSITA Event Compression, contributed talk, German eROSITA Consortium Meeting, MPE Garching, Germany, April 2018.

Dexter, J.: Event Horizon Scale Images of M87, invited talk, Event Horizon Telescope Collaboration Meeting 2018, Nijmegen, Netherlands, November 2018.

Dexter, J.: Radiation and accretion physics around Sgr A*, invited talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.

Dexter, J.: Radiation and accretion physics around Sgr A*, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg Castle, Germany, November 2018.

Dexter, J.: Resolving black holes in space and time, colloquium, Dartmouth college, Hanover, USA, February 2018.

Dexter, J.: Resolving black holes in space and time, colloquium, IPAG Grenoble, Grenoble, France, June 2018.

Dexter, J.: Resolving black holes in space and time, colloquium, University of Colorado Boulder, Boulder, USA, March 2018.

Dexter, J.: The resolved size and structure of hot dust in AGN, invited talk, TORUS 2018, Puerto Varas, Chile, December 2018.

de Zeeuw, P.T.: Blaauw Lecture: The World's Most Advanced Eyes on the Sky, colloquium, University of Groningen, Groningen, The Netherlands, October 2018.

de Zeeuw, P.T.: Building the world's most advanced telescopes at ESO, public talk, Leidse Weer en Sterrenkundige Kring, Leiden, The Netherlands, September 2018.

de Zeeuw, P.T.: Hendrik Christoffel van de Hulst, invited talk, H.C. Henk van de Hulst Centenary Workshop, Uni-

versity of Leiden, Leiden, The Netherlands, November 2018.

de Zeeuw, P.T.: Integral-field Spectroscopy of Galaxies, colloquium, Department of Physics, University of Melbourne, Melbourne, Australia, November 2018.

de Zeeuw, P.T.: Integral-field Spectroscopy of Galaxies, colloquium, Kapteyn Institute, Groningen, The Netherlands, June 2018.

de Zeeuw, P.T.: Professor Adriaan Blaauw, public talk, Open Day Blaauw Observatory, University of Groningen, Groningen, The Netherlands, October 2018.

de Zeeuw, P.T.: Study of the Universe, invited talk, Symposium 'Beroepseer', Koninklijke Hollandse Maatschappij van Wetenschappen, Haarlem, The Netherlands, April 2018.

de Zeeuw, P.T.: Telescopes and Instruments for Astronomy, invited talk, NYRIA Workshop, Leiden University, Leiden, The Netherlands, October 2018.

Diehl, R.: Astronomy for cosmic radioactive nuclei, invited talk, ATOMKI/ChETEC Workshop "Nuclear physics in stellar explosions", Debrecen, Hungary, September 2018.

Diehl, R.: Astronomy for cosmic radioactive nuclei, invited talk, Workshop on Radionuclide Astronomy, Los Alamos, USA, August 2018.

Diehl, R.: Conference Summary "Nuclei in the Cosmos", invited talk, Int. Conference "Nuclei in the Cosmos" XV, L'Aquila, Italy, June 2018.

Diehl, R.: Cosmic gamma rays and multi-messenger astrophysics, invited talk, Winter School on Nuclear Astrophysics, Russbach, Austria, March 2018.

Diehl, R.: Gamma rays from gravitational wave source GW170817, invited talk, Asian Gravitational Wave Workshop, Zhuhai, China, April 2018.

Diehl, R.: Gamma-Ray Spectroscopy of Nuclei in the Cosmos, colloquium, CAS/IMP Institute Colloquium, Lanzhou, China, August 2018.

Diehl, R.: Gamma-Ray Spectroscopy, invited talk, International Workshop on Nuclear Astrophysics, Enshi, China, August 2018.

Diehl, R.: Gamma-Ray Spectroscopy: Instruments and Methods, invited talk, Summer School on Nuclear Astrophysics, Enshi, China, August 2018.

Diehl, R.: Gamma-Ray Spectroscopy: Lessons and Open Issues, invited talk, Summer School on Nuclear Astrophysics, Enshi, China, August 2018.

Diehl, R.: Gamma-Ray Spectroscopy: the Context, invited talk, Summer School on Nuclear Astrophysics, Enshi, China, August 2018.

Diehl, R.: Gamma-ray lines from nuclei in cosmic sites, invited talk, Carpathian Summer School of Physics, Sinaia, Romania, July 2018.

Diehl, R.: Gamma-ray lines from nucleosynthesis in cosmic sites, colloquium, TRIUMF Institute Colloquium, Vancouver, Canada, August 2018.

Diehl, R.: Gamma-ray lines from supernovae, contributed talk, Heraeus Seminar "Supernovae - from simulations to observations and nucleosynthesis fingerprints", Konkoly

Observatory, Budapest, Germany, January 2018.

Diehl, R.: Gamma-rays from GW170817, invited talk, ESO Workshop on Gravitational-Wave Source Counterpart Observations, Garching, Germany, January 2018.

Diehl, R.: Learning from cosmic gamma ray observations, invited talk, ECT* Workshop "Indirect methods in nuclear astrophysics", Trento, Italy, September 2018.

Diehl, R.: Lessons on cosmic nuclei from gamma-ray observations, colloquium, Konkoly Observatory Seminar, Konkoly Observatory, Budapest, Hungary, January 2018.

Diehl, R.: Multi-Messenger Astrophysics, invited talk, KSETA Workshop, Durbach, Germany, February 2018.

Diehl, R.: Nukleare Astrophysik in Deutschland, invited talk, KAT Astroparticle Physics Strategy Workshop, Bad Honnef, Germany, November 2018.

Diehl, R.: Observations of ^{26}Al and ^{60}Fe throughout the Galaxy, invited talk, ISSI-BJ Workshop on Radionuclei, Beijing, China, April 2018.

Diehl, R.: Observing cosmic nuclei in gamma rays, colloquium, IHEP Colloquium, Beijing, Germany, March 2018.

Diehl, R.: Overview Research Area G: Origin and evolution of cosmic elements, invited talk, Science Week of the Munich Excellence Cluster "Universe", Seeon, Germany, December 2018.

Diehl, R.: Radioactivities from nucleosynthesis, invited talk, Workshop Tsung Dao Ling Institute "The exploding universe", Shanghai, China, May 2018.

Diehl, R.: Understanding gamma rays from cosmic radioactivities, invited talk, HIAF Workshop, Beijing, China, December 2018.

Diehl, R.: Woher kommt das Eisen in unserem Blut?, public talk, Cocktail Prolonge, Industriekolloquium, Gütersloh, Germany, April 2018.

Diehl, R.: Woher kommt das Eisen in unserem Blut?, public talk, Salonfestival, Gütersloh, Germany, May 2018.

Eisenhauer, F.: Breaking the Limits: Early Science with the GRAVITY Interferometer, invited talk, SPIE Astronomical Telescopes + Instrumentation 2018, Austin, USA, June 2018.

Eisenhauer, F.: Relativity and Stellar Orbits, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, October 2018.

Eisenhauer, F.: The S2 Peri-Passage - General Relativistic Effects in Stellar Orbits around the Galactic Center Black Hole, colloquium, Munich Joint Astronomy Colloquium, Garching, Germany, July 2018.

Eisenhauer, F.: Update on the 2018 Galactic Center Experiment, contributed talk, European Southern Observatory, Paranal, Chile, June 2018.

Endres, C.P.: State-to-state rotational rate coefficients for NH_3 - NH_3 collisions obtained with pump-probe chirped-pulse experiments, contributed talk, 25th International Conference on High Resolution Molecular Spectroscopy, Bilbao, Spain, September 2018.

Erwin, P.: Inner and Outer Rings and the Structure of Galactic Disks, invited talk, Galactic Rings: Signposts of Se-

cular Evolution in Disk Galaxies, Tuscaloosa, USA, May 2018.

Facchini, S.: The molecular view on disk substructures, contributed talk, SPF2: Star and Planet Formation in the Southwest, Oracle, USA, March 2018.

Facchini, S.: Introduction to disk observations, invited talk, RUTD Meeting, Munich, Germany, February 2018.

Facchini, S.: The 2D and 3D structure of protoplanetary disks, invited talk, Center for Space and Habitability, Bern, Switzerland, November 2018.

Facchini, S.: The ALMA view on radial drift in disks: a symptomatic case, contributed talk, Astrochemistry: Past, Present & Future, Pasadena, USA, July 2018.

Facchini, S.: The inner regions of protoplanetary disks: a dynamical perspective, invited talk, ESO Workshop: Take a Closer Look, Garching, Germany, October 2018.

Facchini, S.: The interplay between gas and dust in protoplanetary disks, invited talk, Protoplanetary disks, Rome, Italy, June 2018.

Facchini, S.: Unveiling planet formation processes with ALMA, invited talk, INAF Milan, Milan, Italy, December 2018.

Facchini, S.: Unveiling the impact of new born planets onto the evolution of their natal disks, invited talk, Universe Cluster Science Week, Seeon, Germany, December 2018.

Facchini, S.: The interplay between gas and dust in protoplanetary disks, colloquium, Universtiy Dublin, Dublin, Ireland, June 2018.

Farrow, D.: HETDEX: survey status and cosmological forecasts, invited talk, Understanding Emission-line galaxies for the next generation of cosmological surveys, Teruel, Spain, September 2018.

Friedrich, P.: Astronomie außerhalb des sichtbaren Lichts, public talk, Die MINT-Tagung 2018 des MNU Franken, Nuremberg, Germany, October 2018.

Friedrich, P.: eROSITA - Astronomie im Röntgenlicht, public talk, Regiomontanus-Sternwarte Nürnberg, Nuremberg, Germany, June 2018.

Friedrich, P.: eRosita on SRG, invited talk, High Energy Astrophysics Today and Tomorrow, Moscow, Russia, December 2018.

Förster Schreiber, N.M.: Bulges in high redshift galaxies, invited talk, The Galactic Bulge at the crossroads, Pucón, Chile, December 2018.

Förster Schreiber, N.M.: The KMOS^{3D} survey, invited talk, KMOS@5: star and galaxy formation in 3D - Challenges at KMOS 5th year, Garching, Germany, December 2018.

Gao, F.: Imaging the GC with GRAVITY, contributed talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, Nov 2018.

Gao, F.: Ten micro-arcsecond astrometry with GRAVITY: first science results, contributed talk, SPIE Astronomical Telescopes + Instrumentation 2018, Austin, Texas, USA, June 2018.

Genzel, R.: Testing General Relativity with Infrared Interferometry of the Massive Black Hole in the Galactic Cen-

- ter, invited talk, UC Davis, Davis, California, USA, January 2018.
- Genzel, R.: The formation and evolution of star forming galactic disks, colloquium, Leibniz-Institut für Astrophysik, Potsdam, Germany, March 2018.
- Genzel, R.: Massereiche Schwarze Löcher und Galaxien, public talk, ESO Supernova Planetarium & Visitor Centre Opening Ceremony, Garching, Germany, May 2018.
- Genzel, R.: The Formation and Evolution of Galactic Disks: Feedback & Large Scale Turbulence, invited talk, The Multi-Scale Physics of Star Formation and Feedback during Galaxy Formation, University of Heidelberg, Heidelberg, Germany, June 2018.
- Genzel, R.: Galactic dynamics, feedback and dark matter at $z \sim 0.7$ - 2.7 , invited talk, The Physics of Galaxy Scaling Relations & the Nature of Dark Matter, Kingston, Canada, July 2018.
- Genzel, R.: Census and scaling relations of ionized outflows in $z=0.7$ - 2.7 galaxies, invited talk, Santa Cruz Galaxy Workshop 2018, University of California Santa Cruz, Santa Cruz, USA, August 2018.
- Genzel, R.: Testing General Relativity with Infrared Interferometry in the Center of the Milky Way, colloquium, TAC Seminar, UC Berkeley Astronomy, Berkeley, August 2018.
- Genzel, R.: Resolving the Broad Line Region of the Quasar 3C273 with Near-Infrared Interferometry, colloquium, UC Berkeley Astronomy, Berkeley, USA, August 2018.
- Genzel, R.: Testing General Relativity with Infrared Interferometry in the Center of the Milky Way, colloquium, Astronomie à l'Institut de Planétologie et d'Astrophysique de Grenoble, Grenoble, France, September 2018.
- Genzel, R.: The Development of IRAM, public talk, Speech on the occasion of the Inauguration of the NOEMA Phase 1 Array, IRAM, Grenoble, France, September 2018.
- Genzel, R.: Testing General Relativity with Infrared Interferometry in the Center of the Milky Way, colloquium, Max Planck Institute for Radio Astronomy, Bonn, Germany, October 2018.
- Genzel, R.: Das Massereiche Schwarze Loch im Galaktischen Zentrum: Test der Allgemeinen Relativitätstheorie mit Infrarot-Interferometrie, public talk, Deutsches Museum, Munich, Germany, October 2018.
- Genzel, R.: Testing General Relativity with Infrared Interferometry in the Center of the Milky Way, invited talk, Universe Excellence Cluster Science Week, Kloster Seeon, Germany, December 2018.
- Genzel, R.: MICADO @ EELT, invited talk, RDS (Rat Deutscher Sternwarten)-Workshop on Verbundforschung, Leibniz-Institut für Astrophysik, Potsdam, Germany, December 2018.
- Gerhard, O.: Dynamical models and stellar populations of the central regions of M31, contributed talk, PHAT Workshop, Ringberg, Germany, July 2018.
- Gerhard, O.: Extracting Physical Parameters from Observations: Dynamical Modelling of the Galactic Bulge and Bar, contributed talk, Aspen Summer Program: Dynamics of the Milky Way in the Era of Gaia, Aspen, USA, September 2018.
- Gerhard, O.: The Milky Way's Dark Matter and Stellar Mass Distribution in the Era of Gaia, contributed talk, Excellence Cluster Science Week, Seeon, Germany, December 2018.
- Gerhard, O.: The barred inner Milky Way, invited talk, Brouwer Award lecture, Division of Dynamical Astronomy meeting of the American Astronomical Society 2, San Jose, USA, April 2018.
- Gerhard, O.: The barred inner region of the Milky Way, colloquium, Max Planck Institute for Radioastronomy, Bonn, Germany, May 2018.
- Gerhard, O.: The barred inner regions of the Milky Way and M31, colloquium, Observatoire de Strasbourg, Strasbourg, France, May 2018.
- Gerhard, O.: The ePN.S survey: the kinematic diversity of stellar halos, colloquium, Dept. of Physics and Astronomy, John Hopkins Univ., Baltimore, USA, September 2018.
- Gerhard, O.: The large-scale structure of the Milky Way's stars and gas, invited talk, 'A Star Was Born', conference in honor of M. Dopita, Spineto, Italy, April 2018.
- Gillessen, S.: Das dunkle Herz der Milchstraße, public talk, Planetarium Nürnberg, Nürnberg, Germany, November 2018.
- Gillessen, S.: A short update on IR observations of the GC, invited talk, BHCam annual meeting, Bonn, Germany, March 2018.
- Gillessen, S.: Detection of a drag force in G2's orbit, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, October 2018.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, ESM Alumni-Treffen, Köln, Germany, February 2018.
- Gillessen, S.: The Galactic Center - a unique astrophysical laboratory, colloquium, Uni Frankfurt, Frankfurt, Germany, April 2018.
- Giuliano, B.M.: Direct measurements of the optical properties of CO ice in the millimetre and sub-millimetre range, contributed talk, LabAstro 2018, Hamburg, Germany, October 2018.
- Giuliano, B.M.: Imidazole rotation spectrum investigation for astrophysical search, contributed talk, 25th International Conference on High Resolution Molecular Spectroscopy, Bilbao, Spain, September 2018.
- Gong, M.: The X_{CO} conversion factor from galactic multi-phase ISM simulations, invited talk, Computational Galaxy Formation, Ringberg, Germany, March 2018.
- Guglielmo, V.: Calibrating Euclid photometric redshifts with spectroscopy. The VLT Large Program - KMOS^{3D}, contributed talk, Euclid OU-PHZ consortium meeting, Geneva, Switzerland, May 2018.
- Guglielmo, V.: Calibrating Euclid photometric redshifts with spectroscopy. ESO@VLT Large Program - KMOS, contributed talk, Euclid OU-PHZ consortium meeting, Barcelona, Spain, November 2018.
- Haberl, F.: Populations of HMXBs in the Milky Way and the Magellanic Clouds, invited talk, IAU Symposium 346:

- High Mass X-ray Binaries: illuminating the passage from massive binaries to merging compact objects, Vienna, Austria, August 2018.
- Haberl, F.: The XMM-Newton surveys of the Magellanic Clouds, colloquium, Erlangen Centre for Astroparticle Physics, Erlangen, Germany, June 2018.
- Haberl, F.: The XMM-Newton view of the Magellanic Clouds, colloquium, European Space Operations Centre - ESOC, Darmstadt, Germany, May 2018.
- Haberl, F.: The new ULX pulsar in NGC 300 and its fast period evolution, contributed talk, Ultra-luminous X-ray pulsars, Madrid, Spain, June 2018.
- Habibi, M.: Spectroscopic detection of a cusp of giant stars around the central black hole, contributed talk, Survival of Dense Star Clusters in the Milky Way System, Heidelberg, Germany, November 2018.
- Habibi, M.: The 2018 peri-passage of S2: testing general relativity with stars orbiting a supermassive black hole, invited talk, Sigrav 2018: Black holes: Theory and Observations, Pula, Italy, September 2017.
- Habibi, M.: Deep spectroscopy within the central arcsecond, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg Castle, Germany, November 2018.
- Haerendel, G.: Reconnection mediated by Magnetic Fractures and the Solar Flare, contributed talk, TESS Triennial Sun-Earth Summit, Leesburg, Virginia, USA, May 2018.
- Haerendel, G.: Reconnection mediated by Magnetic Fractures and the Solar Flare, contributed talk, 42nd COSPAR Assembly, Pasadena, California, USA, July 2018.
- Haerendel, G.: Dying Flow Bursts as Generators of the Substorm Current Wedge, contributed talk, 42nd COSPAR Assembly, Pasadena, California, USA, July 2018.
- Haerendel, G.: AMPTE - Active Magnetospheric Particle Explorers, Fifty Years at APL - A Celebration of the Career and Contributions of Stamatios (Tom) Krimigis, invited talk, Applied Physics Laboratory-Johns Hopkins University, Laurel, MD, USA, September 2018.
- Haerendel, G.: 50 Years with the Aurora Borealis, invited talk, Physics Department, University of Crete, Iraklion, Greece, October 2018.
- Herrera-Camus, R.: Powerful molecular and ionized outflow in a massive, main-sequence galaxy at the peak of cosmic star formation activity, contributed talk, The Laws of Star Formation: From the Cosmic Dawn to the Present Universe, Cambridge, England, July 2018.
- Hou, J.: OuterRim simulation, post-processing and applications, contributed talk, eBOSS meeting, Paris, France, December 2018.
- Hou, J.: Quasar clustering with SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 sample in configuration-space, contributed talk, SDSS-IV Collaboration Meeting 2018, Seoul, South Korea, June 2018.
- Ivlev, A.: Cosmic rays in clouds and disks, invited talk, Core to Disk program, Orsay, France, May 2018.
- Ivlev, A.: Cosmic rays in molecular clouds and discs, invited talk, Department of Physics, University of Hong Kong, Hong Kong, China, November 2018.
- Ivlev, A.: Cosmic-ray ionisation in circumstellar discs, contributed talk, Galileo Galilei Institute for Theoretical Physics, Florence, Italy, May 2018.
- Ivlev, A.: Penetration of Cosmic Rays into Dense Molecular Clouds: Role of Diffuse Envelopes, contributed talk, Cosmic Rays and the Interstellar Medium, Grenoble, France, June 2018.
- Ivlev, A.: Universal energy spectrum of cosmic rays in diffuse molecular clouds: Effect on gamma-ray emission, contributed talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Jimenez-Rosales, A.: Impact of Faraday Effects in polarised images of Sagittarius A*, contributed talk, Black Holes as Cosmic Batteries: UHECRs and Multimessenger Astronomy, Iguazu, Brasil, September 2018.
- Jimenez-Rosales, A.: The Impact of Faraday Effects on Polarised Black Hole Images of Sagittarius A*, contributed talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, November 2018.
- Kanbach, G.: How GRB070610 turned into a magnetar candidate, Swift J1955+26, invited talk, Memorial Meeting to celebrate the life and work of Neil Gehrels, Natl. Academy of Sciences, Washington, D.C., USA, May 2018.
- Kanbach, G.: Introduction to gamma-ray detection technology and telescopes (3 lectures), invited talk, Summer School for Nuclear Astrophysics, Wuhan University, School of Physics and Technology, Enshi, China, August 2018.
- Käfer, F.: Towards a characterization of X-ray galaxy clusters for cosmology, invited talk, Space Research Institute of the Russian Academy of Sciences, Moscow, Russia, November 2018.
- Käfer, F.: Towards a proper X-ray galaxy cluster characterisation for cosmology, contributed talk, Alpine Cosmology Workshop, Alagna Valsesia, Italy, July 2018.
- Käfer, F.: Towards a proper X-ray galaxy cluster characterisation for cosmology, contributed talk, European Week of Astronomy and Space Science, Liverpool, United Kingdom, April 2018.
- Lattanzi, V.: Molecular Complexity in Prestellar Cores, contributed talk, 73rd International Symposium on Molecular Spectroscopy, Urbana-Champaign, USA, June 2018.
- Lutz, D.: BAT AGN prefer circumnuclear star formation, contributed talk, Torus 2018 - The many faces of AGN obscuration, Puerto Varas, Chile, December 2018.
- Lutz, D.: BAT AGN prefer circumnuclear star formation, invited talk, Local hard X-ray selected AGN across the multiwavelength spectrum, Santiago, Chile, March 2018.
- Meidinger, N.: Development of the Wide Field Imager Instrument for Athena, contributed talk, SPIE Astronomical Telescopes + Instrumentation, Austin, USA, June 2018.
- Merloni, A.: Coevolution of Supermassive Black Holes and their host galaxies: open questions and prospects for VLBI, invited talk, EWASS Special Session 11, Exploring the Universe: a European vision for the future of VLBI, Liverpool, UK, April 2018.

- Merloni, A.: LOFAR-eROSITA Surveys: Radio-X-rays synergies, invited talk, LOFAR Survey KSP Meeting, Leiden, The Netherlands, October 2018.
- Merloni, A.: Overview of eROSITA, SPIDERS and SPIDERS-II, invited talk, SDSS eBOSS/SPIDERS meeting, Garching, Germany, February 2018.
- Merloni, A.: Understanding AGN evolution with large (X-ray) surveys: current constraints and prospects for eROSITA, invited talk, 13th Italian AGN Meeting, Milan, Italy, October 2018.
- Merloni, A.: Understanding AGN evolution with large X-ray surveys: current constraints and prospects for eROSITA, colloquium, INAF-OAT, Trieste, Italy, March 2018.
- Merloni, A.: Understanding AGN evolution with large X-ray surveys: current constraints and prospects for eROSITA, colloquium, IPMU, Kashiwa, Japan, November 2018.
- Merloni, A.: Understanding AGN evolution with large X-ray surveys: current constraints and prospects for eROSITA, colloquium, NAOJ, Tokyo, Japan, November 2018.
- Merloni, A.: Unveiling the past evolution of the AGN-host galaxy relation with X-ray surveys, invited talk, Massive black holes in evolving galaxies: from quasars to quiescence, Paris, France, June 2018.
- Merloni, A.: eROSITA on SRG, invited talk, Hyper-Suprime Cam Collaboration Meeting, Princeton, USA, May 2018.
- Merloni, A.: eROSITA on SRG: Towards the promised land of high-energy catalogs treasure hunters, invited talk, Treasures hidden in high-energy catalogues, Toulouse, France, May 2018.
- Merloni, A.: eROSITA: Mapping the Hot Universe, invited talk, IAU Symposium 341, Challenges in Panchromatic Galaxy Modeling with Next Generation Facilities, Osaka, Japan, November 2018.
- Müller-Seidlitz, J.: DEPFET Detector – Development, contributed talk, 8th Athena WFI Consortium Meeting, Lisbon, Portugal, November 2018.
- Müller-Seidlitz, J.: Recent improvements on high-speed DEPFET detectors for X-ray astronomy, contributed talk, SPIE Astronomical Telescopes + Instrumentation, Austin/Tx, USA, June 2018.
- Müller-Seidlitz, J.: Spectroscopic DEPFETs at High Frame Rates, invited talk, 22nd International Workshop on DEPFET Detectors and Applications, Ringberg Castle, Kreuth, Germany, April 2018.
- Müller, T.: Asteroid spin properties derived from thermal data, contributed talk, European Planetary Science Congress (EPSC), Berlin, Germany, September 2018.
- Müller, T.: Asteroiden und kleine Körper im Sonnensystem, public talk, European Researcher's Night, ESO Supernova, Garching, Germany, September 2018.
- Müller, T.: Der Eisenmeteorit Muonionalusta, public talk, BMW Individual, Garching, Germany, November 2018.
- Müller, T.: Interpretation of Haumea's thermal emission in the light of the occultation results, contributed talk, The Transneptunian Solar System, Coimbra, Portugal, March 2018.
- Müller, T.: Stratospheric Dust Collection, contributed talk, European Stratospheric Balloon Observatory Workshop, Granada, Spain, December 2018.
- Müller, T.: Unterwegs zum Asteroiden Ryugu, public talk, Bayerischer Rundfunk, Munich, Germany, July 2018.
- Müller, T.: Zwischen den Planeten: Von Asteroiden und Kometen, public talk, Volkssternwarte Munich, Munich, Germany, May 2018.
- Nagy, Z.: The chemical structure of the ISM in star forming regions, colloquium, Konkoly Observatory, Budapest, Hungary, November 2018.
- Nagy, Z.: The chemical structure of the young pre-stellar core L1521E, contributed talk, The Cosmic Cycle of Dust and Gas in the Galaxy, Quy Nhon, Vietnam, July 2018.
- Nandra, K.: Athena Mission Status, invited talk, Athena WFI Consortium Meeting, Lisbon, Portugal, November 2018.
- Nandra, K.: Athena Science activities in the study phase, invited talk, Exploring the Hot and Energetic Universe: The 2nd scientific conference dedicated to the Athena X-ray observatory, Palermo, Italy, September 2018.
- Nandra, K.: eROSITA: Cosmology and astrophysics with the next generation X-ray all-sky survey, invited talk, ASA Annual Scientific Meeting 2018, Melbourne, Australia, June 2018.
- Nandra, K.: Athena: observing the hot and energetic Universe with ESA's next generation X-ray observatory, invited talk, SPIE Astronomical Telescopes + Instrumentation, Austin, Texas, USA, June 2018.
- Nandra, K.: SDD detector development for eXTP, invited talk, eXTP Consortium Meeting, Xiamen, China, May 2018.
- Nandra, K.: Athena: ESA's next generation X-ray observatory, invited talk, High Energy Astrophysics in the 2020s and beyond, Rosemont, Illinois, USA, March 2018.
- Pfuhl, O.: Detection of orbital motions near the last stable circular orbit of the massive black hole SgrA*, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, November 2018.
- Pfuhl, O.: Ein Stern wird rot... und gibt Einstein recht, public talk, Cafe & Kosmos, Munich, Germany, September 2018.
- Pfuhl, O.: GRAVITY: a new era for optical interferometry, invited talk, SPIE Astronomical Telescopes and Instrumentation, Austin Texas, USA, June 2018.
- Pfuhl, O.: Observing the universe in motion with GRAVITY, invited talk, ESO Garching, Garching, Germany, February 2018.
- Pfuhl, O.: The S2 Peri-Passage - General Relativistic Effects in Stellar Orbits around the Galactic Center Black Hole, colloquium, IAU General Assembly, Plenary talk, Vienna, Austria, August 2018.
- Pfuhl, O.: GRAVITY & AILSkyInterferometer, invited talk, Rat deutscher Sternwarten - Workshop, Potsdam, Germany, December 2018.
- Pineda, J.E.: The GBT Ammonia Survey: Dense Gas Kinematic Property and the Properties of Dense Cores, contributed talk, Early Phases of Star Formation 2018, Ringberg, Germany, May 2018.

- Pineda, J.E.: Using interferometers to constrain dense cores and disk formation, invited talk, Harvard-Smithsonian Center for Astrophysics, Cambridge, USA, May 2018.
- Predehl, P.: eROSITA on SRG, invited talk, Exploring the Hot and Energetic Universe: The second scientific conference dedicated to the Athena X-ray observatory, Palermo, Italy, September 2018.
- Predehl, P.: eROSITA – Das Röntgenteleskop auf der Deutsch/Russischen Raumfahrtmission SRG, invited talk, DGLR-Kongress 2018, Friedrichshafen, Germany, September 2018.
- Price, S.H.: Probing disk stability and turbulence from $z \sim 0.6$ -2.6 with KMOS, contributed talk, KMOS@5: Star and Galaxy Formation in 3D - Challenges at KMOS 5th Year, Garching, Germany, December 2018.
- Price, S.H.: Structures and Masses of Star-Forming Galaxies at $1.4 < z < 3.8$ with MOSDEF & CANDELS, contributed talk, Santa Cruz Galaxy Workshop, Santa Cruz, California, USA, August 2018.
- Pulsoni, C.: The ePN.S ETG survey – Kinematic diversity and angular momentum at large radii, contributed talk, IAU General Assembly Focus Meeting FM6, Vienna, Austria, August 2018.
- Pulsoni, C.: The extended Planetary Nebula Spectrograph (ePN.S) early-type galaxy survey: The kinematic diversity of stellar halos and the relation between halo transition scale and stellar mass, contributed talk, Stellar halos across the cosmos, Heidelberg, Germany, July 2018.
- Rau, A.: WFI Science Team Overview, contributed talk, WFI Consortium Meeting, Garching, Germany, March 2018.
- Rau, A.: Exploring the Hot and Energetic Universe with Athena, colloquium, Erlangen Centre for Astrophysics, Erlangen, Germany, January 2018.
- Rau, A.: Status report on WFI, invited talk, Preparing the science of galaxy clusters & WHIM with Athena, Sexten, Italy, January 2018.
- Rau, A.: The Wide Field Imager, invited talk, Exploring the Hot and Energetic Universe: The 2nd scientific conference dedicated to the Athena X-ray observatory, Palermo, Italy, September 2018.
- Rau, A.: WFI Science Team Activity Overview, contributed talk, WFI Consortium Meeting #8, Lisbon, Portugal, November 2018.
- Rau, A.: WFI Status Update, invited talk, X-IFU Consortium Week, Geneva, Switzerland, September 2018.
- Rau, A.: WFI Update, invited talk, X-IFU Week, Paris, France, March 2018.
- Redaelli, E.: 15-N in low-mass star forming regions, contributed talk, Workshop on Fraction, astrochemistry and star/planet formation, Gothenburg, Sweden, September 2018.
- Redaelli, E.: Molecules in Space, invited talk, International Conference of Young Astrophysicists and Astronomers 2018, Padova, Italy, June 2018.
- Salvato, M.: AGN studies in the era of all-Sky surveys, colloquium, INAF-OAT, Trieste, Italy, May 2018.
- Salvato, M.: Counterpart associations in the All-sky surveys era, invited talk, Treasures hidden in high-energy catalogues, Toulouse, France, May 2018.
- Salvato, M.: My work as a scientist, public talk, Elementary School, Padova, Italy, November 2018.
- Salvato, M.: NWay and the counterparts associations in the all-sky X-ray surveys era, colloquium, Brera Observatory, Milano, Italy, November 2018.
- Salvato, M.: Past to Future: from ROSAT to eROSITA, invited talk, AGN X-ray surveys: soft to hard and deep to wide, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Salvato, M.: ROSAT and XMMSLEW2 counterparts using Nway - An accurate algorithm to pair sources simultaneously between N catalogs, invited talk, Bayesian Forum, Garching, Germany, January 2018.
- Salvato, M.: The eROSITA all-sky surveys, colloquium, CEA Saclay, Saclay, France, March 2018.
- Salvato, M.: What if it was an AGN and I did not know it, invited talk, The Accretion History of AGNs, Miami, USA, October 2018.
- Salvato, M.: eROSITA All-Sky Survey and the synergism with SPHEREx, invited talk, SPHEREx synergies, Washington, USA, January 2018.
- Salvato, M.: eROSITA and Australia: strengthening the partnership, invited talk, ASA2018, Melbourne, Australia, June 2018.
- Salvato, M.: The eROSITA All-Sky Survey and synergism with J-PAS, invited talk, 16th J-PAS Collaboration Meeting - Pathfinder science, Teruel, Spain, May 2018.
- Sanchez, A.G.: Baryon acoustic oscillations, invited talk, LAPIS 2018: Cosmology in the era of large surveys, La Plata, Argentina, April 2018.
- Sanchez, A.G.: Cosmology dependence of the covariance matrix, contributed talk, Euclid consortium annual meeting, Bonn, Germany, June 2018.
- Sanchez, A.G.: Plans for the Inter Science Working Group on the Likelihood, invited talk, Euclid Consortium Annual Meeting, Bonn, Germany, June 2018.
- Sanchez, A.G.: Redshift space distortions, invited talk, LAPIS 2018: Cosmology in the era of large surveys, La Plata, Argentina, April 2018.
- Sanders, J.S.: Cool X-ray emitting gas and feedback in the Centaurus cluster, invited talk, Multiphase AGN Feeding and Feedback, Sesto, Italy, July 2018.
- Sanders, J.S.: Exploring fundamental physics with the Athena X-ray observatory, invited talk, Royal Society meeting on X-ray astronomy and fundamental physics, Milton Keynes, UK, October 2018.
- Sanders, J.S.: Measuring bulk flows in the ICM of the Perseus and Coma clusters using XMM-Newton, contributed talk, MPA/ESO ICM physics and modelling meeting, Garching, Germany, October 2018.
- Sanders, J.S.: The deep Chandra view of the core of the Perseus cluster, invited talk, IAUS 342: Perseus in Sicily: from black hole to cluster outskirts, Noto, Italy, May 2018.
- Sanders, J.S.: X-ray measurements of velocities in clu-

- sters using gratings and CCDs, invited talk, SnowCluster - The Physics of Galaxy Clusters, Snowbird, USA, March 2018.
- Schruba, A.: Is Star Formation Regulated by Cloud-scale Properties?, invited talk, Multi-scale Physics of Star Formation and Feedback during Galaxy Evolution, Heidelberg, Germany, June 2018.
- Schruba, A.: Physical Processes that Regulate Star Formation in Nearby Galaxies, contributed talk, The Laws of Star Formation, Cambridge, UK, July 2018.
- Schruba, A.: Resolving Star Formation in the Nearby Universe, colloquium, Physics & Astronomy Seminar, Cardiff, UK, November 2018.
- Schruba, A.: The Interstellar Medium of Nearby Galaxies at High Physical Detail, invited talk, EWASS, Liverpool, UK, April 2018.
- Shimizu, T.T.: The LLAMA Project: A SINFONI Study of Gas Outflows and Feeding in Local, X-ray Selected AGN, invited talk, 231st Meeting of the AAS, Washington D.C., USA, January 2018.
- Shimizu, T.T.: Type 1 AGN with Massive Absorbing Columns, contributed talk, Local hard X-ray selected AGN across the multi-wavelength spectrum, Santiago, Chile, March 2018.
- Sipilä, O.: Hydrodynamical models of pre-stellar core collapse: abundances and line emission of deuterated species, invited talk, Workshop on fractionation, astrochemistry and star/planet formation, Gothenburg, Sweden, September 2018.
- Sipilä, O.: Models of isotope and spin-state chemistry in star-forming clouds, colloquium, SFB 956 Colloquium, Cologne, Germany, November 2018.
- Sipilä, O.: Species-to-species rate coefficients for the $\text{H}_3^+ + \text{H}_2$ reacting system, invited talk, Our Astro-Chemical History: Past, Present, and Future, Hof van Saksen, Netherlands, September 2018.
- Spezzano, S.: High Resolution Spectroscopy of Unstable Species at the Centre for Astrochemical Studies, invited talk, Astrochem2@2018: Chemical Evolution in our Galaxy: Spectroscopy, Observations and Reactivity, Follonica, Italy, June 2018.
- Sturm, E.: Resolving AGN central engines with GRAVITY - The BLR in the Quasar 3C 273, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg Castle, Germany, October 2018.
- Sturm, E.: Resolving AGN central engines with GRAVITY - The BLR in the Quasar 3C 273, invited talk, Torus 2018 - The many faces of AGN obscuration, Puerto Varas, Chile, December 2018.
- Tacconi, L.J.: The Early Evolution of Galactic Disks: Gas, Star Formation & Feedback, invited talk, Past, Current and Future Galaxy Surveys, University of Massachusetts, Amherst, Massachusetts, USA, October 2018.
- Tacconi, L.J.: The Early Evolution of Galactic Disks: Gas & Star Formation, invited talk, Multiscale Views of Star Formation, Hengstberger Symposium, Heidelberg, Germany, June 2018.
- Tacconi, L.J.: The Physics of Star Formation and the Galaxy Main Sequence, invited talk, The Physics of Galaxy Scaling Relations, Kingston, Ontario, Canada, July 2018.
- Treberspurg, W.T.: Detector development for the WFI of Athena, invited talk, 13th Trento Workshop on Advanced Silicon Radiation Detectors, Munich, Germany, February 2018.
- Treberspurg, W.T.: Detector status, contributed talk, 8th WFI Consortium Meeting, Lisbon, Portugal, November 2018.
- Trümper, J.: Remembering Yasuo Tanaka, invited talk, Memorial Meeting, Tokyo, Japan, May 2018.
- Trümper, J.: Der Urknall und andere Explosionen im Kosmos, public talk, Mittwochskreis im IBZ München, München, Germany, May 2018.
- Trümper, J.: Learning about the Universe - the development of X-ray astronomy, invited talk, Munich Aerospace Summer School, Glonn, Germany, July 2018.
- Trümper, J.: Compact galactic objects, invited talk, EXOSAT Reunion at ESAC, Madrid, Spain, July 2018.
- Übler, H.D.N.: "Observing" TNG kinematics at $z=2$, contributed talk, IllustrisTNG Science Workshop, MPA Garching, Garching, Germany, October 2018.
- Übler, H.D.N.: Dark Matter in high- z SFGs: Constraints from the Evolution of the Tully-Fisher Relation from $z\sim 2.3$ to $z\sim 0.9$, contributed talk, The Physics of Galaxy Scaling Relations and the Nature of Dark Matter, Kingston, Canada, July 2018.
- Übler, H.D.N.: Galaxien in Raum und Zeit, public talk, Max Planck Day, Munich, Germany, September 2018.
- Übler, H.D.N.: Ionized and molecular gas kinematics in a $z=1.4$ star-forming galaxy, invited talk, 'Gas Matters' talk series, ESO Garching, Garching, Germany, January 2018.
- Übler, H.D.N.: Kinematics and scaling relations of star-forming galaxies at $z=0.6-2.6$ with KMOS, contributed talk, KMOS@5, ESO Garching, Garching, Germany, December 2018.
- Übler, H.D.N.: Velocity dispersions in star-forming galaxies at $z\sim 1-2$, contributed talk, Santa Cruz Galaxy Workshop, Santa Cruz, California, USA, August 2018.
- van Dishoeck, E.F.: Astronomy and the IAU in the next century, invited talk, IAU Symposium 349 Under One Sky, Vienna, Austria, August 2018.
- van Dishoeck, E.F.: Building stars, planets and the ingredients for life in space, colloquium, Kavli Lecture, Amsterdam, Netherlands, October 2018.
- van Dishoeck, E.F.: Building stars, planets and the ingredients for life in space, invited talk, International Space University, Delft, Netherlands, June 2018.
- van Dishoeck, E.F.: Building stars, planets and the ingredients for life in space, invited talk, Space symposium, Free University, Amsterdam, Netherlands, November 2018.
- van Dishoeck, E.F.: Building stars, planets and the ingredients for life in space, invited talk, Universal roadmap to the origin of life, Lorentz Center workshop, Leiden, Netherlands, October 2018.

- van Dishoeck, E.F.: Building stars, planets and the ingredients for life in space, public talk, Sturm public lecture, Wesleyan, USA, March 2018.
- van Dishoeck, E.F.: Chemical processes and evolution from clouds to disks, invited talk, Heraeus Astrobiology school, Bad Honnef, Germany, March 2018.
- van Dishoeck, E.F.: Chemical processes and evolution from clouds to disks, public talk, Science cocktails, Paradiso Lecture, Amsterdam, Netherlands, October 2018.
- van Dishoeck, E.F.: Chemical processes between the stars, invited talk, Holland Research School Molecular Chemistry conference, Leiden, Netherlands, November 2018.
- van Dishoeck, E.F.: Gas versus dust distributions in disks, contributed talk, Harvard CFA ITC lunch, Cambridge, USA, March 2018.
- van Dishoeck, E.F.: Molecules from clouds to disks and planets, colloquium, Harvard CFA colloquium, Cambridge, USA, March 2018.
- van Dishoeck, E.F.: Molecules from clouds to disks and planets, colloquium, Kavli Prize colloquium, IMAPP, Nijmegen, Netherlands, December 2018.
- van Dishoeck, E.F.: Molecules from clouds to disks and planets, invited talk, Kavli Prize symposium, Oslo, Norway, September 2018.
- van Dishoeck, E.F.: O₂ and its relation to H₂O: from clouds to comets, invited talk, Conference on interstellar O₂ in honor of Paul Goldsmith, Paris, France, October 2018.
- van Dishoeck, E.F.: Photon-induced chemistry in astrophysics, colloquium, Dalgarno lecture 1, Harvard-CFA, Cambridge, USA, March 2018.
- van Dishoeck, E.F.: The IAU Strategic Plan 2020-2030, invited talk, IAU General Assembly XXX, Vienna, Netherlands, August 2018.
- van Dishoeck, E.F.: Water from clouds to planet-forming disks, colloquium, This week's discoveries, Leiden, Netherlands, December 2018.
- van Dishoeck, E.F.: Water in space: how, when and where?, colloquium, Dalgarno Lecture 2, Harvard-CFA, Cambridge, USA, March 2018.
- van Dishoeck, E.F.: Where is the volatile carbon in disks?, invited talk, Astrochemistry: past and present, COST action, Assen, Netherlands, September 2018.
- van Dishoeck, E.F.: Zooming into planet-forming zones of disks with ALMA, colloquium, Wesleyan University, Wesleyan, USA, March 2018.
- van Dishoeck, E.F.: Zooming into planet-forming zones of disks with ALMA, colloquium, Hong Kong University, Hong Kong, China, September 2018.
- van Dishoeck, E.F.: Zooming into planet-forming zones of disks with ALMA, colloquium, IPAG, Grenoble, France, November 2018.
- van Dishoeck, E.F.: Zooming into planet-forming zones of disks with ALMA, colloquium, NAOJ, Tokyo, Japan, September 2018.
- van Dishoeck, E.F.: A taster of JWST science, invited talk, IAU Focus Meeting 15: Science with JWST, Vienna, Austria, August 2018.
- von Kienlin, A.: Evaluation of the ATHENA/WFI instrumental background, contributed talk, SPIE Astronomical Telescopes and Instrumentation, Austin, USA, June 2018.
- von Kienlin, A.: Fermi/GBM's key role at the dawn of the Era of Multimessenger Astronomy, invited talk, IWARA2018 - 8th International Workshop on Astronomy and Relativistic Astrophysics, Ollantaytambo, Peru, September 2018.
- von Kienlin, A.: Multi-Messenger Astronomie - Gravitationswellen und Gammastrahlenausbruch erstmals gleichzeitig beobachtet, public talk, Mitgliederversammlung der Internationalen Amateursternwarte (IAS)eV, Schriesheim, Germany, March 2018.
- von Kienlin, A.: Multi-Messenger Astronomie - Gravitationswellen und Gammastrahlenausbruch erstmals gleichzeitig beobachtet, public talk, Amateurastronomen Max Valier, Bolzano, Italy, April 2018.
- von Kienlin, A.: The Fermi Gamma-ray Burst Monitor - from the beginning and its path through the last 10 years, invited talk, Fermi Open Day, Pisa, Italy, March 2018.
- von Kienlin, A.: The First Detection of Gravitational Waves and Electromagnetic Radiation: GW170817/GRB 170817A, invited talk, Mondello Workshop 2018: Frontier Research in Astrophysics - III, Palermo, Italy, May 2018.
- Waisberg, I.: GRAVITY: SS 433, invited talk, The Central Arcsecond: Towards Testing General Relativity in the Galactic Center, Ringberg, Germany, October 2018.
- Waisberg, I.: Optical Interferometry of HMXBs: Resolving Wind, Disk and Jet Outflows at Sub milliarcsecond Scale, contributed talk, IAU Symposium, Vienna, Austria, August 2018.
- Waisberg, I.: Optical Interferometry of a Microquasar: Resolving Super-Eddington Outflows in SS 433, contributed talk, Breaking the Limits 2018: Super-Eddington Accretion onto Compact Objects, Castiadas, Italy, October 2018.
- Waisberg, I.: Optical Interferometry of a Microquasar: Resolving Super-Eddington Outflows in SS 433, contributed talk, 42nd COSPAR Assembly, Pasadena, USA, July 2018.
- Wilman, D.J.: Accurate H α Galaxy Sizes and Star-Formation Induced Galaxy Growth with KMOS3D, contributed talk, KMOS@5, ESO, Garching, Germany, December 2018.
- Zhao, B.: Protostellar Disk Formation & Fragmentation Enabled by Removal of Small Dust Grains, invited talk, Core to Disk Program, Paris, France, May 2018.
- Zhao, B.: Protostellar Disk Formation & Fragmentation Enabled by Removal of Small Dust Grains, colloquium, University of Virginia, Charlottesville, Virginia, USA, October 2018.

Dissertationen

Blaña Diaz, M.: Dynamics of the bar and the bulge of the Andromeda galaxy M31. Ludwig-Maximilians-Universität München 2018.

Chacon-Tanarro, A.: Observational studies of a dense cloud core on the verge of star formation. Ludwig-Maximilians-Universität München 2018.

Finozzi, F.: Triaxial models of massive elliptical galaxies. Ludwig-Maximilians-Universität München 2018.

Guglielmo, V.: Groups and clusters of galaxies in the XXL Survey. Dipartimento di Fisica ed Astronomia, Università degli studi di Padova, INAF-OaPd (Padova, Italy), and Université de Aix Marseille, LAM (Marseille, France) 2018.

Hartke, J.: Substructures, accretion events, and surrounding diffuse intra-group light in bright early-type galaxies. Ludwig-Maximilians-Universität München 2018.

Lippa, M. A.: Interferometry in astronomy. Ludwig-Maximilians-Universität München 2018.

Plewa, P. M.: The galactic center in motion. Ludwig-Maximilians-Universität München 2018.

Söldner-Remboldt, I.: The velocity ellipsoid of elliptical galaxies. Ludwig-Maximilians-Universität München 2018.

Sokolov, V.: Early stages of massive star formation. Ludwig-Maximilians-Universität München 2018.

Masterarbeiten

Chaturvedi, A.: Understanding Galaxy ESO325-G004 using SINFONI and MUSE spectroscopy. Laboratoire d'Astrophysique de Marseille 2018.

Grabichler, J.: Design and development of an electrical drive train operated in cryogenic and space environment. Technische Universität München 2018.

Hochstaetter, F.: Test and implementation of a guiding camera for FOCES at the 2m Wendelstein telescope. Ludwig-Maximilians-Universität München 2018.

Karl, M.: Multiple Star Systems in the Orion Nebula. Technische Universität München 2018.

Kohlmann, C.: A CMOS based MASS turbulence profiler for the LBT. Ludwig-Maximilians-Universität München 2018.

Mehrgan, K.: The faint center of Holm15A - The dynamical fingerprints of the largest supermassive black hole known

so far?. Technische Universität München 2018.

Murrell, G.G.: Dark matter halo in the dwarf elliptical galaxy VCC2048. University College Dublin 2018.

Rodrigues dos Santos, G.M.: Simulation of eROSITA observations of supernova remnant candidates. Ludwig-Maximilians-Universität München 2018.

Stock, M.R.: Spectro-Interferometric Signatures of the Broad Line Regions in Active Galactic Nuclei. Technische Universität München 2018.

Vignola, M.: Constraining the Initial Mass Function of the giant early-type galaxies NGC 1332 and NGC 7619. Università di Bologna 2018.

von Fellenberg, S.D.: A new Far Infrared Window into the Galactic Center - A Detection of Sgr A* in the Far Infrared. Technische Universität München 2018.

Bachelorarbeiten

Blumhoff, M.: Sternentstehungsgeschichte des Universums. Ludwig-Maximilians-Universität München 2018.

Gindl, S.: Planetenentstehung: Modelle und Instrumente. Ludwig-Maximilians-Universität München 2018.

Lipka, M.: Supermassive schwarze Löcher in Galaxienzentren und ihre Masse. Ludwig-Maximilians-Universität München 2018.

Rieth, F.: Wachstumsrate kosmischer Strukturen hergeleitet durch die SDSS-III BOSS DR12 Datensätze. Ludwig-Maximilians-Universität München 2018.

Rottstock, H.: Dunkle Materie in elliptischen Galaxien. Ludwig-Maximilians-Universität München 2018.

Steiger, B.: Faser Fabry-Perot Interferometer als Kalibrierungsquelle für astronomische Spectrographen. Ludwig-Maximilians-Universität München 2018.

Zoeller, R.: Massenbestimmung von supermassereichen schwarzen Löchern in kompakten elliptischen Galaxien. Ludwig-Maximilians-Universität München 2018.