

München

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1 Personal und Ausstattung

1.1 Personalstand

Lehrstühle:

Prof. Dr. Dr.habil. R. Bender [-6001], Prof. Dr. Dr.habil. A. Burkert [-5992], Prof. Dr. J. Mohr [-5967]

Professoren und Privatdozenten:

Prof. Dr. Dr.habil. R. Bender [-6001], Prof. Dr. T. Birnstiel [-6973], Prof. Dr. Dr.habil. A. Burkert [-5992], PD Dr. Dr.habil. K. Butler [-6018], PD Dr. Dr.habil. K. Dolag [-5994], Prof. Dr. B. Ercolano [-6974], Prof. i.R. Dr. Dr.habil. T. Gehren [-6035], Prof. Dr. T. Giannantonio [-6035], Prof. i.R. Dr. Dr.habil. R.-P. Kudritzki [-6810], Prof. Dr. Dr.habil. H. Lesch [-6007], Prof. Dr. J. Mohr [-5967], Dr. B. Moster (DFG/Emmy-Noether) [9284], Prof. Dr. Dr.habil. A.W.A. Pauldrach [-6021], Prof. Dr. T. Preibisch [-6016], PD Dr. Dr.habil. J. Puls [-6022], PD Dr. Dr.habil. R.P. Saglia [-5998] (MPE), Prof. Dr. J. Weller [-5976]

Wissenschaftliche Mitarbeiter:

Dr. C. Alig [-5991], Dr. H. Barwig [-5974], Dr. F. Beaujean, Dr. A. Beifiori [-6017], Dr. A. Bode (MPE), Dr. J. Chan (MPE), Dr. M. Costanzi [-5989], Dr. J. Dietrich [-5942], Dr. P. Erwin (MPE), Dr. M. Fabricius (MPE), Dr. D. Farrow (MPE), Dr. M. Fossati (MPE), Dr. R. Gabler [-6019], Dr. A. Galametz (MPE), Dr. C. Gössl [-5972], Dr. M. Goto-Egner [-6949](DFG), Dr. T. Grassi [-9279], Dr. M. Gritschneider [-6986](DFG), Dr. F. Grupp [-6005], Dr. R. Häfner [-6012], Dr. N. Hamaus [-9294], Dr. T. Hoffmann [-6024], Dr. D. Hubber [-9279](DFG), Dr. U. Hopp [-5997], Dr. B. Hoyle [-5989](MPE), Dr. H. Israel [-6949], Dr. M. Klein [-6006], Dr. A. Krukau, Dr. M. Kümmer [-5993], Dr. G.-X. Li [-6030](DFG), Dr. C. Liu [-9294], Dr. X. Mazzalay (MPE), Dr. J. T. Mendel (MPE), Dr. M. Mirkazemi, Dr. A. Monna [-5983](BMBF), Dr. F. Montesano (MPE), Dr. C. Obermeier [-5995](MPE), Dr. A. Obreja [-5918], Dr. K. Paech [-5895](EXC), Dr. M. Pannella [-6006], Dr. M. Petkova, Dr. G. Picogna [-6973](EXC), Dr. R. Remus [-6986], Dr. A. Riffeser [-5973], Dr. A. Sanchez (MPE), Dr. A. Saro [-6034], Dr. M. Schartmann (MPE), Dr. S.

Seitz [-5996], Dr. J. Snigula [-6027](MPE), Dr. S. Stammler [-9298], Dr. V. Strazzullo [-6033], Dr. J. Thomas (MPE), Dr. T. Vassallo [-5918], Dr. M. Vignola (MPE), Dr. L. Wang [-5983](MPE), Dr. D. Wilman [-5998](DFG), Dr. M. Zintl [-5991]

Doktoranden:

MSci A. Arth [-5847](MPE), Dipl.-Phys. M. Behrendt (MPE), MSci R. Capasso [-6029], MSci L.P. Carneiro [-6029], MSci V. Fahrenschon [-5983](MPE), MSci S. Flaischlen [-5991](DFG), MSci R. Franz [-5970](DFG), MSci O. Friedrich [-5978](TR33), MSci M. Garate [-6029](DFG), MSci S. Grandis [-6029], MSci N. Gupta [-6023], MSci M. Häuser [-5846](BMBF), MSci S. Hagstotz [-5987](TR33), MSci S. Heigl [-5970](MPE), MSci L. Hennicker [-6004](DFG), MSci J. Hou (TR33), MSci H. Kellermann [-5983](MPE), MSci M. Kluge [-5981](MPE), MSci M. Kodric [-6975], MSci M. Lippich-Golobart (MPE,TR33), MSci M. Lotz [-6029], MSci K. Monsch [-5847](DFG), MSci M. Paulus [-6029], MSci G. Pollina [-5987](EXC), MSci A. Ragagnin [-5979], MSci R. Rehmann [-5978], MSci K. Sandesh (MPE), MSci F. Schulze [-6968](MPE), MSci L. Steinborn [-5990](TR33), MSci U. Steinwandel [-5990](DFG), MSci C. Stern [-6029], MSci M. Tazzari (ESO), MSci A. Teklu [-6968], MSci T. Tutis [-5987], MSci T. Varga [-5982](MPE), Dipl.-Phys. J. Weber[-6030](DFG)

Diplomanden und Masteranden:

S. Bach [-5979], T. Banas [-5991], E. Batziou [-5977], A. Bittner [-5979], D. Frei [-5979], M. Frühauf [-5990], L. Furtak [-5978], P. Förster [-5990], F. Hochstetter [-5983], G. Karademir [-5979], J. Lingg [-5982], B. Neureiter [-5982], V. Nistane [5981], J. O'Leary [-5981], P. Puchert [-5982], L. Reb [-5978], X. Shao [-5981], N. Schuster [-5979], M. Smolla [-5981], F. Turan [-5991], A. Tzelepdis [-5979], L. Wölfer [-5977], J. Wolf [-5982], O. Zier [-5991], A. Zormpas [-5979]

Technisches Personal und Softwareentwickler:

Dipl.-Phys. A. Bohnet (MPE), M. Gillhuber (MPE), Dipl.-Ing.(FH) H.J. Hess [-6010], MSci. M. Häuser [5846] (BMBF), A. Karasz [-5986], Dipl.-Ing.(FH) H. Kravcar [-5971] (BMBF), Dipl. Phys F. Lang-Bardl [-6965], Dipl.-Phys. J. Richter [-6013] (BMBF), Dr. J. Schlichter [-6011] (BMBF), L. Schneiders-Fesl [-6025], M. Siedschlag [-5970], Dipl.-Phys. M. Wegner [-6020] (BMBF), P. Well [-5988]

Observatorium Wendelstein:

Dipl.-Geophys. W. Mitsch [08023/8198-0], C. Ries [08023/8198-0], M. Schmidt [08023/8198-0]

Sekretariat und Verwaltung:

N. Auer [-6095], S. Grötsch [-6001], U. Le Guay [-6000], G. Niggel [-5869]

1.2 Personelle Veränderungen

Ausgeschieden:

I. Balestra 31.05.2017, A. Beck (31.03.2017), M. Rau (31.10.2017), A. Saro (30.08.2017), C. Stern (31.08.2017)

Neueinstellungen und Änderungen des Anstellungsverhältnisses:

T. Birnstiel (1.02.2017), S. Flaischlen (1.12.2017), R. Franz (1.11.2017), M. Garate (1.09.2017), T. Grassi (1.11.2017), D. Hubber (1.06.2017), C. Liu (1.11.2017), M. Lotz (1.10.2017), A. Monna (1.07.2017), K. Monsch (15.09.2017), G. Niggel (1.11.2017), A. Obreja (1.02.2017), M. Paulus ((1.09.2017), R. Rehmann (16.06.2017), R. Remus (1.10.2017), S. Stammler (1.04.2017), U. Steinwandel (1.02.2017)

2 Lehrtätigkeit und Prüfungen

2.1 Lehrtätigkeiten

Vertreten durch Prof. Dr. R. Bender, Prof. Dr. T. Birnstiel, Prof. Dr. A. Burkert, PD Dr. K. Butler, Prof. Dr. B. Ercolano, Prof. Dr. T. Giannantonio, Prof. Dr. H. Lesch, Prof. Dr. J. Mohr, Dr. B. Moster, Prof. Dr. A.W.A. Pauldrach, Prof. Dr. Th. Preibisch, PD Dr. J. Puls, PD Dr. R.P. Saglia, und Prof. Dr. J. Weller wurde die Lehre im Gebiet der Physik, Astronomie und Astrophysik an der LMU-München (incl. IMPRS) durchgeführt.

2.2 Prüfungen

Es wurden 34 Naturwissenschaftliche Vorprüfungen in Zahmedizin, 41 Bachelorprüfungen in Physik, 63 Promotionsprüfungen in Physik und 3 Habilitationen in Physik und Astronomie abgenommen.

3 Wissenschaftliche Arbeiten

3.1 Kosmologie und Strukturbildung

- Langzeitentwicklung von Radiogalaxien in Galaxienhaufen und deren umgebendem Feld (Zeitskala 10 GJ).
(M. Klein, J. Mohr, M. Pannella)
- Untersuchung von Umgebungseinflüssen auf die Entwicklung von Galaxien.
(J. Mohr, M. Pannella, V. Strazzullo)
- Kosmologische Beobachtungen und Untersuchungen zur Expansionsgeschichte des Universums sowie zur Bildung großräumiger Strukturen.
(J. Weller, R. Bender, S. Seitz, J. Dietrich, J. Mohr, A. Saro, V. Strazzullo, A. Pauldrach, T. Hoffmann)
- Beobachtungen und Interpretation zur Verteilung kosmischer Hohlräume.
(J. Weller)
- Entwicklung und Anwendung von “Machine Learning” Methoden zur Bestimmung photometrischer Rotverschiebungen.
(J. Weller, S. Seitz)
- Untersuchungen zur Ionisierungsgeschichte des Universums mit Hilfe der kosmischen Hintergrundstrahlung.
(J. Weller)
- Untersuchung und kosmologische Beobachtung der Dunklen Energie und modifizierter Gravitation.
(J. Weller, S. Seitz, R. Bender)

3.2 Extragalaktische Astronomie

- Beobachtungen und Untersuchungen der Struktur, Dynamik und Entwicklung von Galaxien und Galaxienhaufen unter Berücksichtigung von Dunkler Energie, Dunkler Materie, Gravitationslinsen und Schwarzen Löchern.
(R. Bender, R.P. Saglia, S. Seitz, U. Hopp, J. Weller, A. Riffeser)
- Numerische Simulationen zur Entstehung und Entwicklung von Galaxien, Galaxiengruppen und -haufen und Strukturbildung.
(A. Burkert, K. Dolag, J. Weller)

3.3 Sterne und Planeten

- Suche nach extrasolaren Planeten.
(R. Bender, R.P. Saglia)
- Numerische Simulationen zur Stern- und Planetenentstehung und zur chemischen Entwicklung protoplanetarischer Scheiben.
(B. Ercolano, T. Birnstiel, A. Burkert)
- Beobachtungen von Sternen sowie Untersuchungen zu deren Struktur, Entstehung, Entwicklung und Endphasen.
(A. Burkert, T. Preibisch, B. Ercolano, R.-P. Kudritzki, A. Pauldrach, J. Puls, K. Butler, T. Hoffmann, A. Riffeser, R. Bender, S. Seitz, U. Hopp, C. Gössl)

3.4 Plasma-Astrophysik

- Untersuchungen zur Dynamik von Magnetfeldern in ionisierten Plasmen mit Staub und Neutralgas.
(H. Lesch, K. Dolag)

3.5 Instrumentenentwicklung

- Entwicklung von Spektrographen sowie Instrumenten-Bau für moderne Teleskope.
(R. Bender, A. Hess, F. Grupp, C. Gössl, F. Lang, U. Hopp, A. Riffeser)
- Betrieb des Wendelsteinobservatoriums durch zwei Teleskope mit 2m und 40cm Hauptspiegeldurchmesser.
(R. Bender, U. Hopp, W. Mitsch, A. Riffeser, C. Gössl, F. Lang, C. Ries, M. Schmidt)
- Entwicklung von Algorithmen und Software für die ESA Euclid Mission
(H. Israel, M. Kuemmel, J. Mohr, T. Vassallo)
- Entwicklung von Algorithmen sowie Software für den SKA-Vorläufer D-MeerKAT.
(M. Klein, J. Mohr, M. Pannella, V. Strazzullo)

4 Masterarbeiten, Diplomarbeiten, Dissertationen, Habilitationen

4.1 Masterarbeiten, Diplomarbeiten

Abgeschlossen:

- Banas, Tyler D.: Adaptive Optics and High Contrast Imaging Advancing the Direct Detection of Exoplanets. München, USM, Masterarbeit, 2017
- Becker, Christoph: Hydrodynamic Simulations of AGNs in Galaxy Clusters. München, USM, Masterarbeit, 2017
- Bianco, Michele: Effect of Large Scale Structure Correlation on Cluster Counts. München, USM, Masterarbeit, 2017
- Grainne, Temple: Eingrenzung der Leuchtkraftfunktion durch die Dark Energy Survey in nach Sunyaev-Zeldovich Effekt ausgewählten Galaxienhaufen des South Pole Teleskops. München, USM, Masterarbeit, 2017
- Javier, Osado, Sanchez: Signaturen der Anhäufung in Sunyaev-Zeldovich Effect selektierten Galaxienhaufen. München, USM, Masterarbeit, 2017
- Jennings, Jeff: Ein Vergleich der Auswirkung des FUV, EUV und Röntgen Photoevaporation auf der räumliche Verteilung von Gasriesen. München, USM, Masterarbeit, 2017
- Kakoschke, Antonia, Sophie: Aufbau und Inbetriebnahme eines 17-inch corrected Dall-Kirkham Teleskops. München, USM, Masterarbeit, 2017

- Lohmeyer, Robert: Measuring Cosmological Parameters from Simulated Cosmic Microwave Background Images with Convolutional Neural Networks. München, USM, Masterarbeit, 2017
- Lotz, Marcel: Orbital Dynamics in Galaxy Clusters. München, USM, Masterarbeit, 2017
- Monsch, Kristina: Study of the X-Ray Properties of Giant Planet-Hosting Stars using the Chandra X-Ray Observatory. München, USM, Masterarbeit, 2017
- Reb, Lennart: Modeling The Spectral Energy Distribution of Low Luminosity Active Galactic Nuclei. München, USM, Masterarbeit, 2017
- Rizzuto, Francesco: Galaxy clustering in warm dark matter scenarios. München, USM, Masterarbeit, 2017
- Sanchis, Melchor, Enrique: Beobachtbarkeit der Protoplaneten in zirkumstellaren Scheiben über hydrodynamische Simulationen. München, USM, Masterarbeit, 2017
- Xingjian, Shao: Entwicklung der Leuchtkraftfunktion der Radiogalaxien in den Durchmusterungen von SUMSS und DES. München, USM, Masterarbeit, 2017
- Zormpas, Apostolos: How is pebble accretion affected by radiative transfer?. München, USM, Masterarbeit, 2017

4.2 Dissertationen

Abgeschlossen:

- Rau, Markus, Michael: Photometric redshift estimation for precision cosmology. München, USM, Dissertation, 2017

5 Veröffentlichungen

5.1 In Zeitschriften und Büchern

- Abbott, B. P., Abbott, R., Abbott, T. D., et al.: *A gravitational-wave standard siren measurement of the Hubble constant*. *Nature* **551**, 85 (2017)
- Abbott, B. P., Abbott, R., Abbott, T. D., et al.: *Multi-messenger Observations of a Binary Neutron Star Merger*. *ApJ* **848**, L12 (2017)
- Akiyama, E., Hashimoto, J., Liu, H. B., et al.: *Spiral Structure and Differential Dust Size Distribution in the LKH α 330 Disk*. *AJ* **152**, 222 (2016)
- Alam, S., Ata, M., Bailey, S., et al.: *The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample*. *MNRAS* **470**, 2617 (2017)
- Albert, A., Anderson, B., Bechtol, K., et al.: *Searching for Dark Matter Annihilation in Recently Discovered Milky Way Satellites with Fermi-Lat*. *ApJ* **834**, 110 (2017)
- Aravena, M., Decarli, R., Walter, F., et al.: *The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Search for [CII] Line and Dust Emission in 6*. *ApJ* **833**, 71 (2016)
- Arthur, J., Pearce, F. R., Gray, M. E., et al.: *nIFTy galaxy cluster simulations – V. Investigation of the cluster infall region*. *MNRAS* **464**, 2027 (2017)
- Aylor, K., Hou, Z., Knox, L., et al.: *A Comparison of Cosmological Parameters Determined from CMB Temperature Power Spectra from the South Pole Telescope and the Planck Satellite*. *ApJ* **850**, 101 (2017)
- Balfour, S. K., Whitworth, A. P., Hubber, D. A.: *Star formation triggered by non-head-on cloud-cloud collisions, and clouds with pre-collision sub-structure*. *MNRAS* **465**, 3483 (2017)

- Bassett, R., Glazebrook, K., Fisher, D. B., et al.: *Integrated and resolved dust attenuation in clumpy star-forming galaxies at $0.07 < z < 0.14$* . MNRAS **467**, 239 (2017)
- Bayliss, M. B., Zengo, K., Ruel, J., et al.: *Velocity Segregation and Systematic Biases In Velocity Dispersion Estimates with the SPT-GMOS Spectroscopic Survey*. ApJ **837**, 88 (2017)
- Beifiori, A., Mendel, J. T., Chan, J. C. C., et al.: *The KMOS Cluster Survey (KCS). I. The Fundamental Plane and the Formation Ages of Cluster Galaxies at Redshift $1.4 < z < 1.6$* . ApJ **846**, 120 (2017)
- Belli, S., Genzel, R., Förster Schreiber, N. M., et al.: *KMOS^{3D} Reveals Low-level Star Formation Activity in Massive Quiescent Galaxies at $0.7 < z < 2.7$* . ApJ **841**, L6 (2017)
- Bernstein, G. M., Abbott, T. M. C., Desai, S., et al.: *Instrumental response model and detrending for the Dark Energy Camera*. PASP **129**, 114502 (2017)
- Beutler, F., Seo, H.-J., Ross, A. J., et al.: *The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Fourier space*. MNRAS **464**, 3409 (2017)
- Beutler, F., Seo, H.-J., Saito, S., et al.: *The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: anisotropic galaxy clustering in Fourier space*. MNRAS **466**, 2242 (2017)
- Biffi, V., Planelles, S., Borgani, S., et al.: *The history of chemical enrichment in the intracluster medium from cosmological simulations*. MNRAS **468**, 531 (2017)
- Bittner, A., Gadotti, D. A., Elmegreen, B. G., et al.: *How do spiral arm contrasts relate to bars, disc breaks and other fundamental galaxy properties?* MNRAS **471**, 1070 (2017)
- Biviano, A., Popesso, P., Dietrich, J. P., et al.: *Abell 315: reconciling cluster mass estimates from kinematics, X-ray, and lensing*. A&A **602**, A20 (2017)
- Blaña Díaz, M., Wegg, C., Gerhard, O., et al.: *Andromeda chained to the box – dynamical models for M31: bulge and bar*. MNRAS **466**, 4279 (2017)
- Bonamigo, M., Grillo, C., Ettori, S., et al.: *Joining X-Ray to Lensing: An Accurate Combined Analysis of MACS J0416.1-2403*. ApJ **842**, 132 (2017)
- Bonvin, V., Courbin, F., Suyu, S. H., et al.: *HOLiCOW – V. New COSMOGRAIL time delays of HE 0435-1223: H_0 to 3.8 per cent precision from strong lensing in a flat Λ CDM model*. MNRAS **465**, 4914 (2017)
- Brown, S., Vernstrom, T., Carretti, E., et al.: *Limiting magnetic fields in the cosmic web with diffuse radio emission*. MNRAS **468**, 4246 (2017)
- Brucalassi, A., Koppenhoefer, J., Saglia, R., et al.: *Search for giant planets in M 67. IV. Survey results*. A&A **603**, A85 (2017)
- Bufanda, E., Hollowood, D., Jeltema, T. E., et al.: *The evolution of active galactic nuclei in clusters of galaxies from the Dark Energy Survey*. MNRAS **465**, 2531 (2017)
- Burkert, A.: *The Geometry and Origin of Ultra-diffuse Ghost Galaxies*. ApJ **838**, 93 (2017)
- Caminha, G. B., Grillo, C., Rosati, P., et al.: *Mass distribution in the core of MACS J1206. Robust modeling from an exceptionally large sample of central multiple images*. A&A **607**, A93 (2017)

- Caminha, G. B., Grillo, C., Rosati, P., et al.: *A refined mass distribution of the cluster MACS J0416.1-2403 from a new large set of spectroscopic multiply lensed sources*. *A&A* **600**, A90 (2017)
- Castro, N., Fossati, L., Hubrig, S., et al.: *B field in OB stars (BOB): The outstandingly strong magnetic field in the evolved He-strong star CPD -62° 2124*. *A&A* **597**, L6 (2017)
- Cataneo, M., Rapetti, D., Lombriser, L., et al.: *Cluster abundance in chameleon $f(R)$ gravity I: toward an accurate halo mass function prediction*. *J. Cosmology Astropart. Phys.* **12**, 024 (2016)
- Chuang, C.-H., Pellejero-Ibanez, M., Rodríguez-Torres, S., et al.: *The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from DR12 galaxy clustering – towards an accurate model*. *MNRAS* **471**, 2370 (2017)
- Cibinel, A., Daddi, E., Bournaud, F., et al.: *ALMA constraints on star-forming gas in a prototypical $z = 1.5$ clumpy galaxy: the dearth of CO(5-4) emission from UV-bright clumps*. *MNRAS* **469**, 4683 (2017)
- Cibirka, N., Cypriano, E. S., Brimiouille, F., et al.: *CODEX weak lensing: concentration of galaxy clusters at $z \sim 0.5$* . *MNRAS* **468**, 1092 (2017)
- Clampitt, J., Sánchez, C., Kwan, J., et al.: *Galaxy-galaxy lensing in the Dark Energy Survey Science Verification data*. *MNRAS* **465**, 4204 (2017)
- Clarke, S. D., Whitworth, A. P., Duarte-Cabral, A., et al.: *Filamentary fragmentation in a turbulent medium*. *MNRAS* **468**, 2489 (2017)
- Clerkin, L., Kirk, D., Manera, M., et al.: *Testing the lognormality of the galaxy and weak lensing convergence distributions from Dark Energy Survey maps*. *MNRAS* **466**, 1444 (2017)
- Corsini, E. M., Wegner, G. A., Thomas, J., et al.: *The density of dark matter haloes of early-type galaxies in low-density environments*. *MNRAS* **466**, 974 (2017)
- Cowperthwaite, P. S., Berger, E., Villar, V. A., et al.: *The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models*. *ApJ* **848**, L17 (2017)
- Cridland, A. J., Pudritz, R. E., Birnstiel, T., et al.: *Composition of early planetary atmospheres – II. Coupled Dust and chemical evolution in protoplanetary discs*. *MNRAS* **469**, 3910 (2017)
- Daddi, E., Jin, S., Strazzullo, V., et al.: *Radio Selection of the Most Distant Galaxy Clusters*. *ApJ* **846**, L31 (2017)
- Dale, J. E.: *The effect of the virial state of molecular clouds on the influence of feedback from massive stars*. *MNRAS* **467**, 1067 (2017)
- Diehl, H. T., Buckley-Geer, E. J., Lindgren, K. A., et al.: *The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations*. *ApJS* **232**, 15 (2017)
- Dolag, K., Komatsu, E., Sunyaev, R.: *SZ effects in the Magneticum Pathfinder simulation: comparison with the Planck, SPT, and ACT results*. *MNRAS* **463**, 1797 (2016)
- Dolag, K., Mevius, E., Remus, R.-S.: *Distribution and Evolution of Metals in the Magneticum Simulations*. *Galaxies* **5**, 35 (2017)

- Domínguez-Tenreiro, R., Obreja, A., Brook, C. B., et al.: *The Radial Distribution of Mono-metallicity Populations in the Galactic Disk as Evidence for Two-phase Disk Formation*. ApJ **846**, 72 (2017)
- Donnert, J. M. F., Beck, A. M., Dolag, K., et al.: *Simulations of the galaxy cluster CIZA J2242.8+5301 – I. Thermal model and shock properties*. MNRAS **471**, 4587 (2017)
- Du, M., Debattista, V. P., Shen, J., et al.: *Black Hole Growth in Disk Galaxies Mediated by the Secular Evolution of Short Bars*. ApJ **844**, L15 (2017)
- Ercolano, B., Pascucci, I.: *The dispersal of planet-forming discs: theory confronts observations*. Royal Society Open Science **4**, 170114 (2017)
- Ercolano, B., Rosotti, G. P., Picogna, G., et al.: *A photoevaporative gap in the closest planet-forming disc*. MNRAS **464**, L95 (2017)
- Erwin, P., Debattista, V. P.: *The frequency and stellar-mass dependence of boxy/peanut-shaped bulges in barred galaxies*. MNRAS **468**, 2058 (2017)
- Etherington, J., Thomas, D., Maraston, C., et al.: *Environmental dependence of the galaxy stellar mass function in the Dark Energy Survey Science Verification Data*. MNRAS **466**, 228 (2017)
- Facchini, S., Birnstiel, T., Bruderer, S., et al.: *Different dust and gas radial extents in protoplanetary disks: consistent models of grain growth and CO emission*. A&A **605**, A16 (2017)
- Fang, M., Sicilia-Aguilar, A., Wilner, D., et al.: *Millimeter observations of the disk around GW Orionis*. A&A **603**, A132 (2017)
- Fossati, M., Wilman, D. J., Mendel, J. T., et al.: *Galaxy Environment in the 3D-HST Fields: Witnessing the Onset of Satellite Quenching at $z \sim 1-2$* . ApJ **835**, 153 (2017)
- Fumagalli, M., Haardt, F., Theuns, T., et al.: *A measurement of the $z = 0$ UV background from H α fluorescence*. MNRAS **467**, 4802 (2017)
- Galametz, A., Saglia, R., Paltani, S., et al.: *SED-dependent galactic extinction prescription for Euclid and future cosmological surveys*. A&A **598**, A20 (2017)
- Gao, D.-Y., Ji, H.-X., Cao, C., et al.: *WES—Weihai Echelle Spectrograph*. PASP **128**, 125002 (2016)
- Garcia, E. V., Currie, T., Guyon, O., et al.: *SCEXAO and GPI Y JHBand Photometry and Integral Field Spectroscopy of the Young Brown Dwarf Companion to HD 1160*. ApJ **834**, 162 (2017)
- Gatto, A., Walch, S., Naab, T., et al.: *The SILCC project – III. Regulation of star formation and outflows by stellar winds and supernovae*. MNRAS **466**, 1903 (2017)
- Geha, M., Wechsler, R. H., Mao, Y.-Y., et al.: *The SAGA Survey. I. Satellite Galaxy Populations around Eight Milky Way Analogs*. ApJ **847**, 4 (2017)
- Genzel, R., Schreiber, N. M. F., Übler, H., et al.: *Strongly baryon-dominated disk galaxies at the peak of galaxy formation ten billion years ago*. Nature **543**, 397 (2017)
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5.3 Populärwissenschaftliche und sonstige Veröffentlichungen

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