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# 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. 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. Dr.habil. H. Lesch [-6007], Prof. Dr. J. Mohr [-5967], Prof. Dr. Dr.habil. A.W.A. Pauldrach [-6021], Prof. Dr. Th. 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. I. Achitouv [-5989](EXC), Dr. C. Alig, Dr. I. Balestra [-9298], Dr. H. Barwig [-5974], Dr. F. Beaujean, Dr. A. Beck [-6031], Dr. A. Beifiori [-6017](MPE), Dr. A. Bode (MPE), Dr. A. Brucalassi[-5983], Dr. M. Cadolle Bel[-5942], Dr. J. Connelly (MPE), Dr. J. Dale [-9279](EXC), Dr. S. Desai [-6949], Dr. J. Dietrich [-5942], Dr. P. Erwin (MPE), Dr. M. Fabricius [-6017](MPE), Dr. R. Gabler [-6019], Dr. T. Giannantonio [-5989], Dr. C. Gössl [-5972], Dr. M. Goto Egnér [6973](DFG), Dr. M. Gritschneider [-6014](AvH,DFG), Dr. F. Grupp [-6005] (MPE), Dr. R. Häfner [-6012], Dr. R. Henderson [5918], Dr. T. Hoffmann [-6024], Dr. D. Hubber [-9279](EXC) Dr. U. Hopp [-5997], Dr. B. Hoyle [-5989](EXC), Dr. M. Ilgner [-9280](DFG), Dr. M. Killedar [-6885](DFG), Dr. M. Klein [-6949], Dr. J. Koppenhöfer [-5995], Dr. M. Krause (MPE), Dr. M. Kümmel [-5993], Dr. X. Mazzalay (MPE) Dr. C. Lee [-6975](MPE), Dr. G.-X. Li (DFG), Dr. Y. Liu [-6002], Dr. A. Mana [-9298](EXC,TR33), Dr. X. Mazzalai (MPE), Dr. T. Mendel (MPE), Dr. J. Mitrevski, Dr. N. Möckel [-6986](DFG), Dr. F. Montesano (MPE), Dr. J. Müller [-6007], Dr. B. Muschielok [-5968], Dr. G. Ogiya [-9284], Dr. K. Paech [-6949], Dr. M. Panella [6006], Dr. M. Petkova, Dr. S. Phleps (MPE), Dr. A. Riffeser [-5973], Dr. V. Roccatagliata [-6973](DLR), Dr. R. Senger

(MPE), Dr. A. Sanchez (MPE), Dr. A. Saro [-6034], Dr. M. Schartmann (MPE/DFG), Dr. S. Seitz [-5996], Dr. J. Snigula [-6027](MPE), Dr. V. Strazzullo [-6033], Dr. J. Sundqvist [-5975] (DFG), Dr. J. Thomas [-5995] (MPE), Dr. M. Trevor (MPE), Dr. L. Wang [-5983] (MPE), Dr. M. Wetzstein [-5918], Dr. M. Williams (MPE), Dr. D. Wilman (DFG), Dr. J. Young (TR33)

*Doktoranden:*

MSci A. Arth [-5990], MSci L. Bachmann [-5990](TR33), MSci A. Ballone (DFG), Dipl.-Phys. M. Behrendt (MPE), MSci M. Brunner [-5979](EXC), Dipl.-Phys. S. Bocquet [-6029], MSci A. Brucalassi [-5983](ESO/MPE), MSci M. Cappetta (MPE), MSci L.P. Carneiro [-6029], MSci J. Chan (MPE), MSci I. Chiu [-6023], MSci J. Conelli (MPE), Mag.rer.nat. K. Fierlinger (EXC), MSci F. Finozzi (MPE), MSci M. Fossati (DFG), MSci O. Friedrich [-5978](TR33), Dipl.-Phys. B. Gaczkowski [-5991](DFG), MSci D. Gangkofner [-6029], Dipl.-Phys. N. Greisel [-5978](TR33), MSci J. Grieb (TR33), MSci D. Grün [-5978](TR33), MSci N. Gupta [-6023], MSci M. Häuser [-5846](BMBF), MSci S. Hagstotz[-5987](EXC), MSci C. Hennig [-6029], MSci M. Imgrund [-6968], MSci A. Ijjas [-6015], MSci M. Kodric [-5982](EXC), Dipl.-Phys. M. Kopp [-5987](EXC), Dipl.-Phys. R. Kosyra [-5983](BMBF,MPE), Dipl.-Phys D. Kröll (DFG), MSci S. Kulkarni (MPE), MSci J. Liu [-6006], MSci A. Monna [-5981] (MPE,TR33), MSci F.Niederhofen (ESO), Dipl.-Phys. J. Ngoumou [-6029] (DFG), MSci M. Opitsch (EXC), MSci G. Pollina [-5987](EXC), MSci A. Ragagnin[-5979], MSci M.M. Rau [5978](TR33), Dipl. Phys. R.S. Remus [-6986](MPE/EXC), MSci G. Rosotti [-6023](IMPRS), MSci S. Rukdee [-5982](MPE), MSci S. Salazar (TR33), MSci P. Schneider [-6029](EXC), MSci M. Tazzari (ESO), MSci A. Teklu [-6968](TR33), MSci T. Tutis [-5987](EXC), Dipl.-Phys. J. Weber[-6030](DFG), MSci X. Wu [5983] (MPE), MSci J. Zendejas [-5982], MSci A. Zenteno [-6023], Dipl.-Phys. M. Zintl [-5979](EXC)

*Diplomanden und Masteranden:*

J. Abella, K. Anastasopoulou [-5982], M. Becker, D. Boneberg [-5979], U. Dehm [-5982], S. Flaischlen [-5991], C. Franik[-5960], K. Gawlik[-5983], K. Jakabos [-5981], C. Hebinck [-5979], S. Heigl [-6968], L. Hennicker [-5970], H. Kellermann [-5979], Z. Keszthelyi [-5979], M. Kluge [5982], J. Link [-5979], D. Mayr [-5979], M. Mehlhorn [-5979], D. Mehmedov [5979], G. Michna [-5991], L. Mirzaghali [-6885], B. Müller [-5991], F. Müller, D. Rahner [-6986], T. Rosentreter, G. Sauerwein[-5979], A. Schauer [-6968], D. Schlachtberger [-6968], F. Schlagintweit [-5982], F. Schulze [-6968], J. Selig [-5977], D. Semler, F. Semrau [-6968], T. Simm, B. Sörgel [-5979], J. Stücker [-5979], S. Styrnik [-5970], K. Wollenberg [-5979], A. Wurdack [-5981], R. Zitlau [-6004], V. Zivkov [-5991]

*Technisches Personal und Softwareentwickler:*

Dipl.-Phys. A. Bohnet (MPE), K. Gawlik [-5982], Dipl.-Ing.(FH) H.J. Hess [-6010], Dipl.-Ing.(FH) I. Ilijevski [-5969] (BMBF), 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], I. Holzinger [-5869], U. Le Guay [-6000], A. Rühfel [-6001]

## 1.2 Personelle Veränderungen

*Ausgeschieden:*

I. Achitouv (31.10.14), M. Fabricius (31.12.14), T. Giannantonio (30.09.14), N. Greisel (30.06.14), I. Ilijevski (30.06.14), M. Kopp (30.09.14), J. Liu (31.07.14), A. Mana (31.12.14), N. Möckel (15.06.14), A. Rühfel (30.03.14), S. Rukdee (31.12.14), M. Schartmann (31.10.14), D. Semler (15.04.14), F. Stasyszyn (28.02.14), J. Young (30.09.14), A. Zenteno (24.02.14)

*Neueinstellungen und Änderungen des Anstellungsverhältnisses:*

L. Bachmann (01.03.14), O. Friedrich (01.10.14), N. Gupta (15.06.14), S. Hagstotz (08.09.14), M. Klein (01.12.14), G.-X. Li (01.12.14), M. Panella (01.09.14), G. Pollina (01.10.14), M. Rau (01.10.14), P. Schneider (01.01.14), V. Strazzullo (15.07.14), T. Tutis (16.10.14), A. Teklu (01.10.14), P. Well (16.06.14)

## 2 Lehrtätigkeit und Prüfungen

### 2.1 Lehrtätigkeiten

Vertreten durch Prof. Dr. R. Bender, Prof. Dr. A. Burkert, PD Dr. K. Butler, Prof. Dr. B. Ercolano, Prof. Dr. H. Lesch, Prof. Dr. J. Mohr, 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 25 Vorphysika in Medizin, 26 Bachelorprüfungen in Physik, 44 Promotionsprüfungen in Physik und 2 Habilitationen in Physik und Astronomie abgenommen.

## 3 Wissenschaftliche Arbeiten

### 3.1 Kosmologie und Strukturbildung

- Beobachtung und Untersuchung der Struktur, Dynamik und Entwicklung des Universums.  
(J. Dietrich, J. Mohr, A. Saro, V. Strazzullo)
- Kosmologische Beobachtungen und Untersuchungen zur Expansionsgeschichte des Universums sowie zur Bildung großräumiger Strukturen.  
(J. Weller, R. Bender, S. Seitz, A. Pauldrach, T. Hoffmann)
- 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)

- Numerische Simulationen zur Entstehung und Entwicklung von Galaxien, Galaxien-  
gruppen und -haufen.  
(A. Burkert, K. Dolag)

### 3.3 Sterne und Planeten

- Suche nach extrasolaren Planeten.  
(R. Bender, R.P. Saglia)
- Numerische Simulationen zur Stern- und Planetenentstehung und zur chemischen  
Entwicklung protoplanetarer Scheiben.  
(B. Ercolano, A. Burkert)
- Beobachtungen von Sternen sowie Untersuchungen zu deren Struktur, Entstehung,  
Entwicklung und Endphasen.  
(A. Burkert, T. Preibisch, B. Ercolano, A. Pauldrach, J. Puls, K. Butler, T. Hoff-  
mann, 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, B. Muschiello, A. Hess, F. Grupp, C. Gössl, F. Lang, U. Hopp)
- Betrieb des Wendelsteinobservatoriums durch zwei Teleskope mit 2m und 40cm  
Hauptspiegeldurchmesser.  
(R. Bender, U. Hopp, W. Mitch, A. Riffeser, C. Gössl, F. Lang, C. Ries, M. Schmidt)

## 4 Masterarbeiten, Diplomarbeiten, Dissertationen, Habilitationen

### 4.1 Masterarbeiten, Diplomarbeiten

*Abgeschlossen:*

- J. Abella: Dynamical Evolution and Disruption Timescales of Clumps in Gas Rich Disk  
Galaxies. München, USM, Masterarbeit, 2014
- K. Anastasopoulou: The Cepheid Metallicity-Light-Curve-Shape-Relation Determined in  
the SDSS Filters. München, USM, Masterarbeit, 2014
- L. Bachmann: Black Holes in the Magneticum Pathfinder Simulations. München, USM,  
Masterarbeit, 2014
- D. Boneberg: Turbulence in Giant Molecular Clouds: The effect of photoionisation feed-  
back. München, USM, Masterarbeit, 2014
- U. Dehm: Dark Matter Halos of Cluster Galaxies in Cl0024+17 from Strong Lensing.  
München, USM, Masterarbeit, 2014
- S. Flaischlen: Analyse der CO-Emission im Carina Nebel. München, USM, Masterarbeit,  
2014
- O. Friedrich: Covariance of Cosmic Shear Measures: log-normal Approximation and in-  
ternal Estimation. München, USM, Masterarbeit, 2014
- C. Hebinck: Identifikation und Charakterisierung von röntgendetektierten jungen Ster-  
nen im Carina Nebel in tiefen nah-infrarot Bildern. München, USM, Diplomarbeit,  
2014
- S. Heigl: Fragmentation in Interstellar Filaments. München, USM, Masterarbeit, 2014

- K. Jakabos: Reconstructing the Equation of State of Dark Energy. München, USM, Masterarbeit, 2014
- J. Link: Untersuchung des Gravitationslinsensignals von Galaxienhaufen. München, USM, Diplomarbeit, 2014
- D. Mayr: The  $\dot{M} - M_*$  Relation of Pre-Main-Sequence Stars: a Consequence of X-ray Driven Disc Evolution. München, USM, Masterarbeit, 2014
- D. Mehmedov: Studying Grain Growth in Photoevaporative Protoplanetary Disks around Herbig A/E stars. München, USM, Masterarbeit, 2014
- B. Müller: Structure and Spin Parameter of Dark Matter Halos. München, USM, Masterarbeit, 2014
- F. Müller: Development of a Fiber-Based Integral Field Unit and Derivation of the Instrumental Response Function of an Existing Integral Field Unit. München, USM, Masterarbeit, 2014
- M. M. Rau: Machine Learning for Photometric Redshift Determination: Theory and Application. München, USM, Masterarbeit, 2014
- T. Rosentreter: The Formation of Proplyds thermally Excited by an External O Star. München, USM, Masterarbeit, 2014
- M. Rugel: Mass Accretion Rates in the Eta Chamaeleontis Cluster with the X-Shooter Spectrograph. München, USM, Masterarbeit, 2014
- G. Sauerwein: Correlations and Cross-Correlations of Galaxy Clusters. München, USM, Masterarbeit, 2014
- A. T. P. Schauer: The Mystery of the Sigma-Bump – A New Signature for Major Mergers? München, USM, Masterarbeit Physik, 2014
- A. T. P. Schauer: Tracing the Kinematics of Galaxies – Planetary Nebulae in NGC 4244. München, USM, Masterarbeit Astrophysik, 2014
- D. Schlach Berger: The Origin of Cold Gas in the Center of Massive Elliptical Galaxies. München, USM, Masterarbeit, 2014
- D. Semler: High Redshift Cool Core Galaxy Clusters Detected via the Sunyaev-Zeldovich Effect in the South Pole Telescope Survey. München, USM, Masterarbeit, 2014
- B. Sörgel: Constraining Dark Sector Perturbations. München, USM, Masterarbeit, 2014
- A. Teklu: Angular Momentum Distribution in Galactic Halos. München, USM, Masterarbeit, 2014
- K. Wollenberg: Non-Linear Structure Formation in Scalar-Tensor Gravity. München, USM, Masterarbeit, 2014

## 4.2 Dissertationen

*Abgeschlossen:*

- Alig, Christian: Origin of the Stellar Discs at the Galactic Centre of the Milky Way. München, USM, Dissertation, 2014
- Brucalassi, Anna: Search for Extrasolar Planets with high Precision Radial Velocity Curves. München, USM, Dissertation, 2014
- Fierlinger, Katharina M.: Massive Stars Shaping the ISM, Simulations and Application to the Orion-Eridanus Superbubble. München, USM, Dissertation, 2014
- Kopp, Michael: Models of Large-Scale Structure Formation in Cosmology. München, USM, Dissertation, 2014
- Liu, Jiayi: Constraining the Cosmic Microwave Background Temperature Evolution and the Population and Structure of Galaxy Clusters and Groups from the South Pole Telescope and the Planck Surveyor. München, USM, Dissertation, 2014
- Ngoumou, Judith: Massive Star Feedback and Triggered Star Formation. München, USM, Dissertation, 2014
- Zendejas, Jesus: Searching for Transits in the WTS with the Difference Imaging Light Curves. München, USM, Dissertation, 2014
- Zenteno, Alfredo: Galaxy Populations in Galaxy Clusters Selected by the Sunyaev-Zeldovich Effect. München, USM, Dissertation, 2014

## 5 Veröffentlichungen

### 5.1 In Zeitschriften und Büchern

- Achitouv, I., Wagner, C., Weller, J., et al.: *Computation of the halo mass function using physical collapse parameters: application to non-standard cosmologies*. J. Cosmology Astropart. Phys. **10**, 77 (2014)
- Adams, J. J., Simon, J. D., Fabricius, M. H., et al.: *Dwarf Galaxy Dark Matter Density Profiles Inferred from Stellar and Gas Kinematics*. ApJ **789**, 63 (2014)
- Ahn, C. P., Alexandroff, R., Allende Prieto, C., et al.: *The Tenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Apache Point Observatory Galactic Evolution Experiment*. ApJS **211**, 17 (2014)
- Balogh, M. L., McGee, S. L., Mok, A., et al.: *The GEEC2 spectroscopic survey of Galaxy groups at  $0.8 < z < 1$* . MNRAS **443**, 2679 (2014)
- Bayliss, M. B., Ashby, M. L. N., Ruel, J., et al.: *SPT-CL J2040-4451: An SZ-selected Galaxy Cluster at  $z = 1.478$  with Significant Ongoing Star Formation*. ApJ **794**, 12 (2014)
- Beifiori, A., Thomas, D., Maraston, C., et al.: *Redshift Evolution of the Dynamical Properties of Massive Galaxies from SDSS-III/BOSS*. ApJ **789**, 92 (2014)
- Bernhard, E., Béthermin, M., Sargent, M., et al.: *Modelling the connection between ultraviolet and infrared galaxy populations across cosmic times*. MNRAS **442**, 509 (2014)
- Bernstein, G. M., Grün, D.: *Resampling Images in Fourier Domain*. PASP **126**, 287 (2014)
- Birkby, J. L., Cappetta, M., Cruz, P., et al.: *WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf*. MNRAS **440**, 1470 (2014)
- Bouwens, R. J., Bradley, L., Zitrin, A., et al.: *A Census of Star-forming Galaxies in the  $Z \sim 9-10$  Universe based on HST+Spitzer Observations over 19 Clash Clusters: Three Candidate  $Z \sim 9-10$  Galaxies and Improved Constraints on the Star Formation Rate Density at  $Z \sim 9.2$* . ApJ **795**, 126 (2014)
- Bradley, L. D., Zitrin, A., Coe, D., et al.: *CLASH: A Census of Magnified Star-forming Galaxies at  $z \sim 6-8$* . ApJ **792**, 76 (2014)
- Brucalassi, A., Pasquini, L., Saglia, R., et al.: *Three planetary companions around M 67 stars*. A&A **561**, L9 (2014)
- Cappetta, M., Saglia, R. P., Birkby, J. L., et al.: *Erratum: The first planet detected in the WTS: an inflated hot-Jupiter in a 3.35 d orbit around a late F star*. MNRAS **444**, 3150 (2014)
- Cioni, M.-R. L., Girardi, L., Moretti, M. I., et al.: *The VMC survey. IX. Pilot study of the proper motion of stellar populations in the LMC from 2MASS and VISTA data*. A&A **562**, A32 (2014)
- Cohen, D. H., Li, Z., Gayley, K. G., et al.: *Measuring the shock-heating rate in the winds of O stars using X-ray line spectra*. MNRAS **444**, 3729 (2014)
- Cohen, D. H., Wollman, E. E., Leutenegger, M. A., et al.: *Measuring mass-loss rates and constraining shock physics using X-ray line profiles of O stars from the Chandra archive*. MNRAS **439**, 908 (2014)

- Crawford, T. M., Schaffer, K. K., Bhattacharya, S., et al.: *A Measurement of the Secondary-CMB and Millimeter-wave-foreground Bispectrum using 800 deg<sup>2</sup> of South Pole Telescope Data*. ApJ **784**, 143 (2014)
- Cui, W., Murante, G., Monaco, P., et al.: *Characterizing diffused stellar light in simulated galaxy clusters*. MNRAS **437**, 816 (2014)
- Dale, J. E., Ngoumou, J., Ercolano, B., et al.: *Before the first supernova: combined effects of H II regions and winds on molecular clouds*. MNRAS **442**, 694 (2014)
- Danehar, A., Todt, H., Ercolano, B., et al.: *Observations and three-dimensional photoionization modelling of the Wolf-Rayet planetary nebula Abell 48*. MNRAS **439**, 3605 (2014)
- David-Uraz, A., Wade, G. A., Petit, V., et al.: *Investigating the origin of cyclical wind variability in hot, massive stars - I. On the dipolar magnetic field hypothesis*. MNRAS **444**, 429 (2014)
- Davies, R. I., Maciejewski, W., Hicks, E. K. S., et al.: *Fueling Active Galactic Nuclei. II. Spatially Resolved Molecular Inflows and Outflows*. ApJ **792**, 101 (2014)
- Dekel, A., Burkert, A.: *Wet disc contraction to galactic blue nuggets and quenching to red nuggets*. MNRAS **438**, 1870 (2014)
- Dietrich, J. P., Zhang, Y., Song, J., et al.: *Orientation bias of optically selected galaxy clusters and its impact on stacked weak-lensing analyses*. MNRAS **443**, 1713 (2014)
- Donahue, M., Voit, G. M., Mahdavi, A., et al.: *CLASH-X: A Comparison of Lensing and X-Ray Techniques for Measuring the Mass Profiles of Galaxy Clusters*. ApJ **794**, 136 (2014)
- Ercolano, B.: *The dispersal of protoplanetary discs*. Astronomische Nachrichten **335**, 549 (2014)
- Ercolano, B., Glassgold, A. E.: *Erratum: X-ray ionization rates in protoplanetary discs*. MNRAS **444**, 1496 (2014)
- Ercolano, B., Mayr, D., Owen, J. E., et al.: *The dot{M}-M.\* relation of pre-main-sequence stars: a consequence of X-ray driven disc evolution*. MNRAS **439**, 256 (2014)
- Erfanianfar, G., Popesso, P., Finoguenov, A., et al.: *The evolution of star formation activity in galaxy groups*. MNRAS **445**, 2725 (2014)
- Fabricius, M. H., Coccatto, L., Bender, R., et al.: *Regrowth of stellar discs in mature galaxies: the two-component nature of NGC 7217 revisited with VIRUS-W*. MNRAS **441**, 2212 (2014)
- Fabricius, M. H., Noyola, E., Rukdee, S., et al.: *Central Rotations of Milky Way Globular Clusters*. ApJ **787**, L26 (2014)
- Fassbender, R., Nastasi, A., Santos, J. S., et al.: *Galaxy population properties of the massive X-ray luminous galaxy cluster  $j$ ASTROBJ $\delta$ XDCP J0044.0-2033 $j$ /ASTROBJ $\delta$  at  $z = 1.58$ . Red-sequence formation, massive galaxy assembly, and central star formation activity*. A&A **568**, A5 (2014)
- Forbes, J. C., Krumholz, M. R., Burkert, A., et al.: *Balance among gravitational instability, star formation and accretion determines the structure and evolution of disc galaxies*. MNRAS **438**, 1552 (2014)
- Forbes, J. C., Krumholz, M. R., Burkert, A., et al.: *On the origin of the fundamental metallicity relation and the scatter in galaxy scaling relations*. MNRAS **443**, 168 (2014)

- Förster Schreiber, N. M., Genzel, R., Newman, S. F., et al.: *The SINS/zC-SINF Survey of  $z \sim 2$  Galaxy Kinematics: Evidence for Powerful Active Galactic Nucleus-Driven Nuclear Outflows in Massive Star-Forming Galaxies*. ApJ **787**, 38 (2014)
- Fritz, A., Scodreggio, M., Ilbert, O., et al.: *The VIMOS Public Extragalactic Redshift Survey (VIPERS): A quiescent formation of massive red-sequence galaxies over the past 9 Gyr*. A&A **563**, A92 (2014)
- Garilli, B., Guzzo, L., Scodreggio, M., et al.: *The VIMOS Public Extragalactic Survey (VIPERS). First Data Release of 57 204 spectroscopic measurements*. A&A **562**, A23 (2014)
- Gazak, J. Z., Davies, B., Bastian, N., et al.: *A New Method for Measuring Metallicities of Young Super Star Clusters*. ApJ **787**, 142 (2014)
- Gazak, J. Z., Davies, B., Kudritzki, R., et al.: *Quantitative Spectroscopic J-band study of Red Supergiants in Perseus OB-1*. ApJ **788**, 58 (2014)
- Genovali, K., Lemasle, B., Bono, G., et al.: *On the fine structure of the Cepheid metallicity gradient in the Galactic thin disk*. A&A **566**, A37 (2014)
- Genzel, R., Förster Schreiber, N. M., Lang, P., et al.: *The SINS/zC-SINF Survey of  $z \sim 2$  Galaxy Kinematics: Evidence for Gravitational Quenching*. ApJ **785**, 75 (2014)
- Genzel, R., Förster Schreiber, N. M., Rosario, D., et al.: *Evidence for Wide-spread Active Galactic Nucleus-driven Outflows in the Most Massive  $z \sim 1-2$  Star-forming Galaxies*. ApJ **796**, 7 (2014)
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