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Cosmology

[A statistical relation between the X-ray spectral index and Eddington ratio of active galactic nuclei in deep surveys](#)

Brightman, M., Silverman, J.D., **Mainieri, V.**, Ueda, Y., Schramm, M., Matsuoka, K., Nagao, T., Steinhardt, C., Kartaltepe, J., Sanders, D.B., Treister, E., Shemmer, O., Brandt, W.N., Brusa, M., Comastri, A., Ho, L.C., Lanzuisi, G., Lusso, E., Nandra, K., Salvato, M., Zamorani, G., Akiyama, M., Alexander, D.M., Bongiorno, A., Capak, P., Civano, F., Del Moro, A., Doi, A., Elvis, M., Hasinger, G., Laird, E.S., Masters, D., Mignoli, M., Ohta, K., Schawinski, K., & Taniguchi, Y., 2013, MNRAS, 433, 2485 [\[ADS\]](#)

Instruments: VIMOS

[Comprehensive study of a \$z = 2.35\$ DLA Galaxy: mass, metallicity, age, morphology and SFR from HST and VLT★](#)

Krogager, J.-K., Fynbo, J.P.U., **Ledoux, C.**, Christensen, L., Gallazzi, A., Laursen, P., **Møller, P.**, Noterdaeme, P., Péroux, C., & Pettini, M., Vestergaard, M., 2013, MNRAS, 433, 3091 [\[ADS\]](#)

Instruments: X-SHOOTER

[Molecular hydrogen in the damped Lyman \$\alpha\$ system towards GRB 120815A at \$z = 2.36\$](#)

Krühler, T., **Ledoux, C.**, Fynbo, J.P.U., Vreeswijk, P.M., Schmidl, S., Malesani, D., Christensen, L., De Cia, A., Hjorth, J., Jakobsson, P., Kann, D.A., Kaper, L., Vergani, S.D., Afonso, P.M.J., Covino, S., de Ugarte Postigo, A., D'Elia, V., Filgas, R., Goldoni, P., Greiner, J., Hartoog, O.E., Milvang-Jensen, B., Nardini, M., Piranomonte, S., Rossi, A., Sánchez-Ramírez, R., Schady, P., Schulze, S., Sudilovsky, V., Tanvir, N.R., Tagliaferri, G., Watson, D.J., Wiersema, K., Wijers, R.A.M.J., & Xu, D., 2013, A&A, 557, 18 [\[ADS\]](#)

Instruments: X-SHOOTER, VIS_GROND

[Obscured AGN at \$z \sim 1\$ from the zCOSMOS-Bright Survey. I. Selection and optical properties of a \[Ne \$\nu\$ \]-selected sample](#)

Mignoli, M., Vignali, C., Gilli, R., Comastri, A., Zamorani, G., Bolzonella, M., Bongiorno, A., Lamareille, F., Nair, P., Pozzetti, L., Lilly, S.J., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fèvre, O., **Mainieri, V.**, Renzini, A., Scodreggio, M., Bardelli, S., Caputi, K., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kampczyk, P., Knobel, C., Kovač, K., Le Borgne, J.-F., Le Brun, V., Maier, C., Pellò, R., Peng, Y., Perez Montero, E., Presotto, V., Silverman, J.D., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Zucca, E., Bordoloi, R., Cappi, A., Cimatti, A., Koekemoer, A.M., McCracken, H.J., Moresco, M., Welikala, N., 2013, A&A, 556, 29 [\[ADS\]](#)

Instruments: VIMOS

[Star-forming fractions and galaxy evolution with redshift in rich X-ray-selected galaxy clusters](#)

Nantais, J.B., Rettura, A., Lidman, C., Demarco, R., Gobat, R., **Rosati, P.**, & Jee, M.J., 2013, A&A, 556, 112 [\[ADS\]](#)

Instruments: FORS1, FORS1, FORS1, FORS2, FORS2, FORS2, FORS2, FORS2, FORS2, ISAAC, ISAAC, HAWK-I, HAWK-I

Galaxies and Galactic Nuclei

[A study of the metal-rich, thick disk globular cluster NGC 5927. A stellar inventory](#)

Simmerer, J., Feltzing, S., & **Primas, F.**, 2013, A&A, 556, 58 [\[ADS\]](#)

Instruments: FLAMES-UV, FLAMES-GIRAFFE

Interstellar Medium, Star Formation and Planetary Systems

[Accurate determination of accretion and photospheric parameters in Young Stellar Objects: the case of two candidate old disks in the Orion Nebula Cluster](#)

Manara, C.F., Beccari, G., Da Rio, N., De Marchi, G., Natta, A., Ricci, L., Robberto, M., & **Testi, L.**, 2013, arXiv, 1307.8118 [[ADS](#)]
Instruments: X-SHOOTER, X-SHOOTER, X-SHOOTER

Stellar Evolution

[The photospheric solar oxygen project. II. Non-concordance of the oxygen abundance derived from two forbidden lines](#)

Caffau, E., Ludwig, H.-G., Malherbe, J.-M., Bonifacio, P., Steffen, M., **Monaco, L.**, 2013, A&A, 554, 126 [[ADS](#)]
Instruments: UVES, HARPS, HARPS

[GRB 081007 and GRB 090424: The Surrounding Medium, Outflows, and Supernovae](#)

Jin, Z.-P., Covino, S., Della Valle, M., Ferrero, P., Fugazza, D., Malesani, D., Melandri, A., Pian, E., Salvaterra, R., Bersier, D., Campana, S., Cano, Z., Castro-Tirado, A.J., D'Avanzo, P., Fynbo, J.P.U., Gomboc, A., Gorosabel, J., Guidorzi, C., Haislip, J.B., Hjorth, J., Kobayashi, S., LaCluyze, A.P., **Marconi, G.**, Mazzali, P.A., Mundell, C.G., Piranomonte, S., Reichart, D.E., Sánchez-Ramírez, R., Smith, R.J., Steele, I.A., Tagliaferri, G., Tanvir, N.R., Valenti, S., Vergani, S.D., Vestrand, T., & Walker, E.S., Woźniak, P., 2013, ApJ, 774, 114 [[ADS](#)]
Instruments: FORS2, FORS2

[Flames and XSHOOTER Spectroscopy along the Two Blue Straggler Star Sequences of M30](#)

Lovisi, L., Mucciarelli, A., Lanzoni, B., Ferraro, F.R., Dalessandro, E., & **Monaco, L.**, 2013, ApJ, 772, 148 [[ADS](#)]
Instruments: FLAMES-UV, FLAMES-GIRAFFE, X-SHOOTER

Miscellaneous

[Spokes cluster: The search for the quiescent gas](#)

Pineda, J.E., & Teixeira, P.S., 2013, A&A, 555, 106 [[ADS](#)]
Instruments: SHFI

[On the Formation Timescale of Massive Cluster Ellipticals Based on Deep Near-infrared Spectroscopy at \$z \sim 2\$](#)

Tanaka, M., Toft, S., Marchesini, D., Zirm, A., **De Breuck, C.**, Kodama, T., Koyama, Y., Kurk, J., & Tanaka, I., 2013, ApJ, 772, 113 [[ADS](#)]
Instruments: FORS2, SOFI

[ALMA observations of the variable \$^{12}\text{CO}/^{13}\text{CO}\$ ratio around the asymptotic giant branch star R Sculptoris](#)

Vlemmings, W.H.T., **Maercker, M.**, Lindqvist, M., Mohamed, S., Olofsson, H., Ramstedt, S., Brunner, M., Groenewegen, M.A.T., Kerschbaum, F., & **Wittkowski, M.**, 2013, A&A, 556, L1 [[ADS](#)]
Instruments: ALMA_Bands, SHFI

Papers without ESO data

[Large gas reservoirs and free-free emission in two lensed star-forming galaxies at \$z = 2.7\$](#)

Aravena, M., Murphy, E.J., Aguirre, J.E., Ashby, M.L.N., Benson, B.A., Bothwell, M., Brodwin, M., Carlstrom, J.E., Chapman, S.C., Crawford, T.M., **de Breuck, C.**, Fassnacht, C.D., Gonzalez, A.H., Greve, T.R., **Gullberg, B.**, Hezaveh, Y., Holder, G.P., Holzzapfel, W.L., Keisler, R., Malkan, M., Marrone, D.P., McIntyre, V., Reichardt, C.L., Sharon, K., Spilker, J.S., Stalder, B., Stark, A.A., Vieira, J.D., & Weiß, A., 2013, MNRAS, 433, 498 [[ADS](#)]

[Dynamical analysis of nearby clusters. Automated astrometry from the ground: precision proper motions over a wide field](#)

Bouy, H., Bertin, E., Moraux, E., Cuillandre, J.-C., Bouvier, J., Barrado, D., Solano, E., **Bayo, A.**, 2013, A&A, 554, 101 [[ADS](#)]

[Orbit-based dynamical models of the Sculptor dSph galaxy](#)

Breddels, M.A., Helmi, A., van den Bosch, R.C.E., van de Ven, G., & **Battaglia, G.**, 2013, MNRAS, 433, 3173 [[ADS](#)]

[Is the black hole in NGC 1277 really overmassive?](#)

Emsellem, E., 2013, MNRAS, 433, 1862 [[ADS](#)]

Variable stars in the globular cluster NGC 7492. New discoveries and physical parameter determination
Figuera Jaimes, R., Arellano Ferro, A., Bramich, D.M., Giridhar, S., & Kuppuswamy, K., 2013, A&A, 556, 20
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Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry
Kains, N., Bramich, D.M., Arellano Ferro, A., Figuera Jaimes, R., Jørgensen, U.G., Giridhar, S., Penny, M.T., Alsubai, K.A., Andersen, J.M., Bozza, V., Browne, P., Burgdorf, M., Calchi Novati, S., Damerdjil, Y., Diehl, C., Dodds, P., Dominik, M., Elyiv, A., Fang, X.-S., Giannini, E., Gu, S.-H., Hardis, S., Harpsøe, K., Hinse, T.C., Hornstrup, A., Hundertmark, M., Jessen-Hansen, J., Juncher, D., Kerins, E., Kjeldsen, H., Korhonen, H., Liebig, C., Lund, M.N., Lundkvist, M., Mancini, L., Martin, R., Mathiasen, M., Rabus, M., Rahvar, S., Ricci, D., Sahu, K., Scarpetta, G., Skottfelt, J., Snodgrass, C., Southworth, J., Surdej, J., Tregloan-Reed, J., Vilela, C., Wertz, O., Williams, A., 2013, A&A, 555, 36
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Variability Survey in the CoRoT SRA01 Field: Implications of Eclipsing Binary Distribution on Cluster Formation in NGC 2264
Klagyivik, P., Csizmadia, S., Pasternacki, T., Fruth, T., Erikson, A., Cabrera, J., Chini, R., Eigmüller, P., Kabath, P., Kirste, S., Lemke, R., Murphy, M., Rauer, H., & Titz-Weider, R., 2013, ApJ, 773, 54
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The ATLAS3D Project - XXIII. Angular momentum and nuclear surface brightness profiles
Krajnović, D., Karick, A.M., Davies, R.L., Naab, T., Sarzi, M., Emsellem, E., Cappellari, M., Serra, P., de Zeeuw, P.T., Scott, N., McDermid, R.M., Weijmans, A.-M., Davis, T.A., Alatalo, K., Blitz, L., Bois, M., Bureau, M., Bournaud, F., Crocker, A., Duc, P.-A., Khochfar, S., Kuntschner, H., Morganti, R., Oosterloo, T., Young, L.M., 2013, MNRAS, 433, 2812
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Herschel's "Cold Debris Disks": Background Galaxies or Quiescent Rims of Planetary Systems?
Krivov, A.V., Eiroa, C., Löhne, T., Marshall, J.P., Montesinos, B., del Burgo, C., Absil, O., Ardila, D., Augereau, J.-C., Bayo, A., Bryden, G., Danchi, W., Ertel, S., Lebreton, J., Liseau, R., Mora, A., Mustill, A.J., Mutschke, H., Neuhäuser, R., Pilbratt, G.L., Roberge, A., Schmidt, T.O.B., Stapelfeldt, K.R., Thébault, P., Vitense, C., White, G.J., Wolf, S., 2013, ApJ, 772, 32
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The double red giant branch in M2: C, N, Sr and Ba abundances
Lardo, C., Pancino, E., Mucciarelli, A., Bellazzini, M., Rejkuba, M., Marinoni, S., Cocozza, G., Altavilla, G., & Ragaini, S., 2013, MNRAS, 433, 1941
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An Overview of the Dwarf Galaxy Survey
Madden, S.C., Rémy-Ruyer, A., Galametz, M., Cormier, D., Leboutteiller, V., Galliano, F., Hony, S., Bendo, G.J., Smith, M.W.L., Pohlen, M., Roussel, H., Sauvage, M., Wu, R., Sturm, E., Poglitsch, A., Contursi, A., Doublier, V., Baes, M., Barlow, M.J., Boselli, A., Boquien, M., Carlson, L.R., Ciesla, L., Cooray, A., Cortese, L., de Looze, I., Irwin, J.A., Isaak, K., Kamenetzky, J., Karczewski, O.Ł., Lu, N., MacHattie, J.A., O'Halloran, B., Parkin, T.J., Rangwala, N., Schirm, M.R.P., Schulz, B., Spinoglio, L., Vaccari, M., Wilson, C.D., & Wozniak, H., 2013, PASP, 125, 600
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The Herschel-PEP survey: evidence for downsizing in the hosts of dusty star-forming systems
Magliocchetti, M., Popesso, P., Rosario, D., Lutz, D., Aussel, H., Berta, S., Altieri, B., Andreani, P., Cepa, J., Castañeda, H., Cimatti, A., Elbaz, D., Genzel, R., Grazian, A., Gruppioni, C., Ilbert, O., Le Floc'h, E., Magnelli, B., Maiolino, R., Nordon, R., Poglitsch, A., Pozzi, F., Riguccini, L., Rodighiero, G., Sanchez-Portal, M., Santini, P., Förster Schreiber, N.M., Sturm, E., Tacconi, L., & Valtchanov, I., 2013, MNRAS, 433, 127
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Prospects of detecting the polarimetric signature of the Earth-mass planet α Centauri B b with SPHERE/ZIMPOL
Milli, J., Mouillet, D., Mawet, D., Schmid, H.M., Bazzon, A., Girard, J.H., Dohlen, K., & Roelfsema, R., 2013, A&A, 556, 64
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The Optical Counterpart to the X-Ray Transient IGR J1824–24525 in the Globular Cluster M28
Pallanca, C., Dalessandro, E., Ferraro, F.R., Lanzoni, B., & Beccari, G., 2013, ApJ, 773, 122
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Emission-line Galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey. II. The Complete Sample
Pirzkal, N., Rothberg, B., Ly, C., Malhotra, S., Rhoads, J.E., Grogan, N.A., Dahlen, T., Noeske, K.G., Meurer, G.R., Walsh, J.R., Hathi, N.P., Cohen, S.H., Bellini, A., Holwerda, B.W., Straughn, A.N., Mechtley, M., & Windhorst, R.A., 2013, ApJ, 772, 48
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The Hubble Space Telescope Treasury Program on the Orion Nebula Cluster

Robberto, M., Soderblom, D.R., Bergeron, E., Kozhurina-Platais, V., Makidon, R.B., McCullough, P.R., McMaster, M., Panagia, N., Reid, I.N., Levay, Z., Frattare, L., Da Rio, N., Andersen, M., O'Dell, C.R., Stassun, K.G., Simon, M., Feigelson, E.D., Stauffer, J.R., Meyer, M., Reggiani, M., Krist, J., **Manara, C.F., Romaniello, M.**, Hillenbrand, L.A., Ricci, L., Palla, F., Najita, J.R., Ananna, T.T., Scandariato, G., & Smith, K., 2013, ApJS, 207, 10 [[ADS](#)]

Distinct Chemical Regions in the "Prestellar" Infrared Dark Cloud G028.23–00.19

Sanhueza, P., Jackson, J.M., Foster, J.B., **Jimenez-Serra, I.**, Dirienzo, W.J., & Pillai, T., 2013, ApJ, 773, 123 [[ADS](#)]

An approach to detection of point sources in very high-resolution microwave maps

Vio, R., **Andreani, P., Ramos, E.P.R.G.**, & da Silva, A., 2013, A&A, 556, 96 [[ADS](#)]

A CO J = 3-2 map of M51 with HARP-B: radial properties of the spiral structure

Vlahakis, C., van der Werf, P., Israel, F.P., & Tilanus, R.P.J., 2013, MNRAS, 433, 1837 [[ADS](#)]

The Assembly of Milky-Way-like Galaxies Since $z \sim 2.5$

van Dokkum, P.G., Leja, J., Nelson, E.J., Patel, S., Skelton, R.E., Momcheva, I., **Brammer, G.**, Whitaker, K.E., Lundgren, B., Fumagalli, M., Conroy, C., Förster Schreiber, N., Franx, M., Kriek, M., Labbé, I., Marchesini, D., Rix, H.-W., van der Wel, A., Wuyts, S., 2013, ApJ, 771, L35 [[ADS](#)]

Suppression of star formation in the galaxy NGC 253 by a starburst-driven molecular wind

Bolatto, A.D., Warren, S.R., Leroy, A.K., Walter, F., Veilleux, S., Ostriker, E.C., Ott, J., **Zwaan, M.**, Fisher, D.B., Weiss, A., Rosolowsky, E., & Hodge, J., 2013, Natur, 499, 450 [[ADS](#)]

Star Formation and Gas Kinematics of Quasar Host Galaxies at $z \sim 6$: New Insights from ALMA

Wang, R., **Wagg, J.**, Carilli, C.L., Walter, F., Lentati, L., Fan, X., Riechers, D.A., Bertoldi, F., Narayanan, D., Strauss, M.A., Cox, P., Omont, A., Menten, K.M., Knudsen, K.K., Neri, R., & Jiang, L., 2013, ApJ, 773, 44 [[ADS](#)]

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