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Cosmology

[\[O II\] emitters at \$z \sim 4.6\$ in the GOODS field: a homogeneous measure of evolving star formation](#)

Bayliss, K.D., McMahon, R.G., **Venemans, B.P.**, Banerji, M., & Lewis, J.R., 2012, MNRAS, 426, 2178 [\[ADS\]](#)

Instruments: VIMOS, HAWK-I

[The Sub-mJy Radio Population of the E-CDFS: Optical and Infrared Counterpart Identification](#)

Bonzini, M., **Mainieri, V.**, **Padovani, P.**, Kellermann, K.I., Miller, N., **Rosati, P.**, Tozzi, P., Vattakunnel, S., Balestra, I., Brandt, W.N., Luo, B., & Xue, Y.Q., 2012, ApJS, 203, 15 [\[ADS\]](#)

Instruments: FORS2, FORS2, FORS2, ISAAC, VIMOS, VIMOS

[The dominant role of mergers in the size evolution of massive early-type galaxies since \$z \sim 1\$](#)

López-Sanjuan, C., Le Fèvre, O., Ilbert, O., Tasca, L.A.M., Bridge, C., Cucciati, O., Kampczyk, P., Pozzetti, L., Xu, C.K., Carollo, C.M., Contini, T., Kneib, J.-P., Lilly, S.J., **Mainieri, V.**, Renzini, A., Sanders, D., Scodreggio, M., Scoville, N.Z., Taniguchi, Y., Zamorani, G., Aussel, H., Bardelli, S., Bolzonella, M., Bongiorno, A., Capak, P., Caputi, K., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Knobel, C., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Le Floc'h, E., Maier, C., McCracken, H.J., Mignoli, M., Pelló, R., Peng, Y., Pérez-Montero, E., Presotto, V., Ricciardelli, E., Salvato, M., Silverman, J.D., Tanaka, M., Tresse, L., Vergani, D., Zucca, E., Barnes, L., Bordoloi, R., Cappi, A., Cimatti, A., Coppa, G., Koekemoer, A., Liu, C.T., Moresco, M., Nair, P., Oesch, P., Schawinski, K., Welikala, N., 2012, A&A, 548, 7 [\[ADS\]](#)

Instruments: VIMOS

Galaxies and Galactic Nuclei

[Simultaneous X-ray and optical observations of true type 2 Seyfert galaxies](#)

Bianchi, S., Panessa, F., Barcons, X., Carrera, F.J., La Franca, F., Matt, G., Onori, F., Wolter, A., Corral, A.,

Monaco, L., Ruiz, Á., & Brightman, M., 2012, MNRAS, 426, 3225 [\[ADS\]](#)

Instruments: FORS2, EMMI

[Obscured clusters. IV. The most massive stars in \[DBS2003\] 179](#)

Borissova, J., Georgiev, L., Hanson, M.M., Clarke, J.R.A., Kurtev, R., **Ivanov, V.D.**, Penalzoza, F., Hillier, D.J., & Zsargó, J., 2012, A&A, 546, 110 [\[ADS\]](#)

Instruments: ISAAC, VIRCAM

[Chemical abundances in the old LMC globular cluster Hodge 11](#)

Mateluna, R., Geisler, D., Villanova, S., **Carraro, G.**, Grocholski, A., Sarajedini, A., Cole, A., & Smith, V., 2012, A&A, 548, 82 [\[ADS\]](#)

Instruments: FORS2, FLAMES-UV, FLAMES-GIRAFFE

Interstellar Medium, Star Formation and Planetary Systems

[Spectroscopy of very low-mass stars and brown dwarfs in the Lambda Orionis star-forming region. II. Rotation, activity and other properties of spectroscopically confirmed members of Collinder 69](#)

Bayo, A., Barrado, D., Huélamo, N., Morales-Calderón, M., **Melo, C.**, Stauffer, J., & Stelzer, B., 2012, A&A, 547, 80 [\[ADS\]](#)

Instruments: SOFI, FLAMES-GIRAFFE

[The Chamaeleon II low-mass star-forming region: radial velocities, elemental abundances, and accretion properties *](#)

Biazzo, K., Alcalá, J.M., Covino, E., Frasca, A., Getman, F., & **Spezzi, L.**, 2012, A&A, 547, 104 [[ADS](#)]
Instruments: FLAMES-UV, FLAMES-GIRAFFE

[LAMP: the long-term accretion monitoring programme of T Tauri stars in Chamaeleon I](#)

Costigan, G., Scholz, A., Stelzer, B., Ray, T., Vink, J.S., & Mohanty, S., 2012, MNRAS, 427, 1344 [[ADS](#)]
Instruments: FLAMES-GIRAFFE, FLAMES-GIRAFFE

[Hot circumstellar material resolved around \$\beta\$ Pic with VLT/PIONIER](#)

Defrère, D., Lebreton, J., Le Bouquin, J.-B., Lagrange, A.-M., Absil, O., Augereau, J.-C., **Berger, J.-P.**, di Folco, E., Ertel, S., Kluska, J., **Montagnier, G.**, Millan-Gabet, R., Traub, W., Zins, G., 2012, A&A, 546, L9 [[ADS](#)]
Instruments: VINCI, PIONIER

[Resolving the Vela C ridge with P-ArTéMiS and Herschel](#)

Hill, T., André, P., Arzoumanian, D., Motte, F., Minier, V., Men'shchikov, A., Didelon, P., Hennemann, M., Könyves, V., Nguyen-Luong, Q., Palmeirim, P., Peretto, N., Schneider, N., Bontemps, S., Louvet, F., Elia, D., Giannini, T., Revéret, V., Le Pennec, J., Rodriguez, L., Boulade, O., Doumayrou, E., Dubreuil, D., Gallais, P., Lortholary, M., Martignac, J., Talvard, M., & **De Breuck, C.**, 2012, A&A, 548, L6 [[ADS](#)]
Instruments: P-Artemis

[Faint moving object detection, and the Low Signal-to-Noise recovery of Main Belt comet P/2008 R1 Garradd](#)

Kleyna, J., Meech, K.J., & **Hainaut, O.R.**, 2012, PASP, 124, 1083 [[ADS](#)]
Instruments: EFOSC2_NTT

[P/2010 A2 LINEAR. II. Dynamical dust modelling](#)

Kleyna, J., **Hainaut, O.R.**, & Meech, K.J., 2013, A&A, 549, 13 [[ADS](#)]
Instruments: EFOSC2_NTT

[Gas and Dust Absorption in the DoAr 24E System](#)

Kruger, A.J., Richter, M.J., Seifahrt, A., Carr, J.S., Najita, J.R., **Moerchen, M.M.**, & Doppmann, G.W., 2012, ApJ, 760, 88 [[ADS](#)]
Instruments: CRIRES

[X-shooter spectroscopy of young stellar objects. I. Mass accretion rates of low-mass T Tauri stars in \$\alpha\$ Orionis](#)

Rigliaco, E., Natta, A., **Testi, L.**, Randich, S., Alcalá, J.M., Covino, E., & Stelzer, B., 2012, A&A, 548, 56 [[ADS](#)]
Instruments: X-SHOOTER, X-SHOOTER

Stellar Evolution

[Observational constraints for the circumstellar disk of the B\[e\] star CPD-52 9243](#)

Cidale, L.S., Borges Fernandes, M., Andruchow, I., Arias, M.L., Kraus, M., Chesneau, O., Kanaan, S., Curé, M., **de Wit, W.J.**, & Muratore, M.F., 2012, A&A, 548, 72 [[ADS](#)]
Instruments: MIDI, CRIRES

[Investigating the spectroscopic, magnetic and circumstellar variability of the O9 subgiant star HD 57682](#)

Grunhut, J.H., Wade, G.A., Sundqvist, J.O., ud-Doula, A., Neiner, C., Ignace, R., Marcolino, W.L.F., **Rivinius, T.**, Fullerton, A., Kaper, L., Mauclaire, B., Buil, C., Garrel, T., Ribeiro, J., & Ubaud, S., 2012, MNRAS, 426, 2208 [[ADS](#)]
Instruments: UVES, FEROS2.2, FEROS2.2, CES

[Magnetic fields of HgMn stars*](#)

Hubrig, S., González, J.F., Ilyin, I., Korhonen, H., **Schöller, M.**, Savanov, I., Arlt, R., Castelli, F., **Lo Curto, G.**, Briquet, M., & **Dall, T.H.**, 2012, A&A, 547, 90 [[ADS](#)]
Instruments: FORS2, FORS2, UVES, FEROS2.2, HARPS, HARPS

[Molecular emission from GG Carinae's circumbinary disk](#)

Kraus, M., Oksala, M.E., Nickeler, D.H., Muratore, M.F., Borges Fernandes, M., Aret, A., Cidale, L.S., & **de Wit, W.J.**, 2013, A&A, 549, 28 [[ADS](#)]
Instruments: SINFONI, CRIRES

[Spectroscopy of horizontal branch stars in \$\omega\$ Centauri*](#)

Moni Bidin, C., Villanova, S., Piotto, G., **Moehler, S.**, Cassisi, S., & **Momany, Y.**, 2012, A&A, 547, 109 [[ADS](#)]
Instruments: FORS2

[A Catalog of Near-IR Sources Found to be Unresolved with Milliarcsecond Resolution](#)

Richichi, A., Fors, O., Cusano, F., & **Moerchen, M.**, 2012, ApJS, 203, 33 [[ADS](#)]
Instruments: ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, ISAAC

Miscellaneous

[Outflow structure and velocity field of Orion source. I. ALMA imaging of SiO isotopologue maser and thermal emission](#)

Niederhofer, F., **Humphreys, E.M.L.**, & **Goddi, C.**, 2012, A&A, 548, 69 [[ADS](#)]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

[ALMA Observations of \$\rho\$ -Oph 102: Grain Growth and Molecular Gas in the Disk around a Young Brown Dwarf](#)

Ricci, L., **Testi, L.**, Natta, A., Scholz, A., & **de Gregorio-Monsalvo, I.**, 2012, ApJ, 761, L20 [[ADS](#)]
Instruments: ALMA_Bands

[An ALMA survey of submillimetre galaxies in the Extended Chandra Deep Field-South: detection of \[C II\] at \$z = 4.4\$](#)

Swinbank, A.M., Karim, A., Smail, I., Hodge, J., Walter, F., Bertoldi, F., **Biggs, A.D.**, **de Breuck, C.**, Chapman, S.C., Coppin, K.E.K., Cox, P., Danielson, A.L.R., Dannerbauer, H., Ivison, R.J., Greve, T.R., Knudsen, K.K., Menten, K.M., Simpson, J.M., Schinnerer, E., Wardlow, J.L., Weiß, A., & van der Werf, P., 2012, MNRAS, 427, 1066 [[ADS](#)]
Instruments: LABOCA, LABOCA, LABOCA, LABOCA, ALMA_Bands

Papers without ESO data

A $\lambda = 3$ mm molecular line survey of NGC 1068. Chemical signatures of an AGN environment

Aladro, R., Viti, S., Bayet, E., Riquelme, D., **Martín, S.**, **Mauersberger, R.**, Martín-Pintado, J., Requena-Torres, M.A., Kramer, C., & Weiß, A., 2013, A&A, 549, 39 [[ADS](#)]

Galaxy And Mass Assembly (GAMA): estimating galaxy group masses via caustic analysis

Alpaslan, M., Robotham, A.S.G., Driver, S., Norberg, P., Peacock, J.A., Baldry, I., Bland-Hawthorn, J., **Brough, S.**, Hopkins, A.M., Kelvin, L.S., **Liske, J.**, Loveday, J., Merson, A., Nichol, R.C., & Pimbblet, K., 2012, MNRAS, 426, 2832 [[ADS](#)]

A brown dwarf orbiting an M-dwarf: MOA 2009–BLG–411L

Bachelet, E., Fouqué, P., Han, C., Gould, A., Albrow, M.D., Beaulieu, J.-P., Bertin, E., Bond, I.A., Christie, G.W., Heyrovský, D., Horne, K., Jørgensen, U.G., Maoz, D., Mathiasen, M., Matsunaga, N., McCormick, J., Menzies, J., Nataf, D., Natusch, T., Oi, N., Renon, N., Tsapras, Y., Udalski, A., Yee, J.C., Batista, V., Bennett, D.P., **Brilliant, S.**, Caldwell, J.A.R., Cassan, A., Cole, A., Cook, K.H., Coutures, C., Dieters, S., Dominik, M., Dominis Prester, D., Donatowicz, J., Greenhill, J., **Kains, N.**, Kane, S.R., Marquette, J.-B., Martin, R., Pollard, K.R., Sahu, K.C., Street, R.A., Wambsganss, J., Williams, A., Zub, M., PLANET Collaboration, P.C., Bos, M., Dong, S., Drummond, J., Gaudi, B.S., Graff, D., Janczak, J., Kaspi, S., Kozłowski, S., Lee, C.-U., Monard, L.A.G., Muñoz, J.A., Park, B.-G., Pogge, R.W., Polishook, D., Shporer, A., FUN Collaboration, F.C., Abe, F., Botzler, C.S., Fukui, A., Furusawa, K., Hearnshaw, J.B., Itow, Y., Korpela, A.V., Ling, C.H., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Ohnishi, K., Rattenbury, N.J., Saito, T., Sullivan, D., Sumi, T., Suzuki, D., Sweatman, W.L., Tristram, P.J., Wada, K., MOA Collaboration, M.C., Allan, A., Bode, M.F., **Bramich, D.M.**, Clay, N., Fraser, S.N., Hawkins, E., Kerins, E., Lister, T.A., Mottram, C.J., Saunders, E.S., **Snodgrass, C.**, Steele, I.A., Wheatley, P.J., RoboNet-II Collaboration, R.-I.C., Bozza, V., Browne, P., Burgdorf, M.J., Calchi Novati, S., Dreizler, S., Finet, F., Glittrup, M., Grundahl, F., Harpsostroke, K., Hessman, F.V., Hinse, T.C., Hundertmark, M., Liebig, C., Maier, G., Mancini, L., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Southworth, J., Surdej, J., Zimmer, F., MiNDSTEp Consortium, M.C., 2012, A&A, 547, 55 [[ADS](#)]

The SLUGGS survey: globular cluster system kinematics and substructure in NGC 4365

Blom, C., Forbes, D.A., Brodie, J.P., **Foster, C.**, Romanowsky, A.J., Spitler, L.R., & Strader, J., 2012, MNRAS, 426, 1959 [[ADS](#)]

Multisite spectroscopic seismic study of the β Cep star V2052 Ophiuchi: inhibition of mixing by its magnetic field

Briquet, M., Neiner, C., Aerts, C., Morel, T., Mathis, S., Reese, D.R., Lehmann, H., Costero, R., Echevarria, J., Handler, G., Kambe, E., Hirata, R., Masuda, S., Wright, D., Yang, S., Pintado, O., Mkrtichian, D., Lee, B.C., Han, I., Bruch, A., De Cat, P., Uytterhoeven, K., Lefever, K., Vanautgaerden, J., de Batz, B., Frémat, Y., Henrichs, H., Geers, V.C., **Martayan, C.**, Hubert, A.M., Thizy, O., & Tijani, A., 2012, MNRAS, 427, 483 [\[ADS\]](#)

Stellar populations in the fields surrounding the LMC clusters NGC 2154 and NGC 1898

Chiosi, E., Baume, G., **Carraro, G.**, Costa, E., & Vallenari, A., 2012, MNRAS, 426, 1884 [\[ADS\]](#)

Breaks in Thin and Thick Disks of Edge-on Galaxies Imaged in the Spitzer Survey Stellar Structure in Galaxies (S4G)

Comerón, S., Elmegreen, B.G., Salo, H., Laurikainen, E., Athanassoula, E., Bosma, A., Knapen, J.H., **Gadotti, D.A.**, Sheth, K., Hinz, J.L., Regan, M.W., Gil de Paz, A., Muñoz-Mateos, J.C., Menéndez-Delmestre, K., Seibert, M., Kim, T., Mizusawa, T., Laine, J., Ho, L.C., & Holwerda, B., 2012, ApJ, 759, 98 [\[ADS\]](#)

Magnetometry of the classical T Tauri star GQ Lup: non-stationary dynamos and spin evolution of young Suns

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Galaxy And Mass Assembly (GAMA): the mass-metallicity relationship

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Colours of minor bodies in the outer solar system. II. A statistical analysis revisited

Hainaut, O.R., Boehnhardt, H., & Protopapa, S., 2012, A&A, 546, 115 [\[ADS\]](#)

The transiting system GJ1214: high-precision defocused transit observations and a search for evidence of transit timing variation

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A Bayesian algorithm for model selection applied to caustic-crossing binary-lens microlensing events

Kains, N., Browne, P., Horne, K., Hundertmark, M., & Cassan, A., 2012, MNRAS, 426, 2228 [\[ADS\]](#)

Constraining the parameters of globular cluster NGC 1904 from its variable star population

Kains, N., **Bramich, D.M.**, **Figuera Jaimes, R.**, Arellano Ferro, A., Giridhar, S., & Kuppaswamy, K., 2012, A&A, 548, 92 [\[ADS\]](#)

Coplanar circumbinary debris discs

Kennedy, G.M., Wyatt, M.C., Sibthorpe, B., **Phillips, N.M.**, Matthews, B.C., & Greaves, J.S., 2012, MNRAS, 426, 2115 [\[ADS\]](#)

A DEBRIS disk around the planet hosting M-star GJ 581 spatially resolved with Herschel

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Large-scale Star-formation-driven Outflows at $1 < z < 2$ in the 3D-HST Survey

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Late Hesperian aqueous alteration at Majuro crater, Mars

Mangold, N., **Carter, J.**, Poulet, F., Dehouck, E., Ansan, V., & Loizeau, D., 2012, P&SS, 72, 18 [\[ADS\]](#)

A unified picture of breaks and truncations in spiral galaxies from SDSS and S4G imaging

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The Spitzer Extragalactic Representative Volume Survey (SERVS): Survey Definition and Goals (PASP, 124, 714, [2012])

Mauduit, J.-C., Lacy, M., Farrah, D., Surace, J.A., Jarvis, M., Oliver, S., Maraston, C., Vaccari, M., Marchetti, L., Zeimann, G., González-Solares, E.A., Pforr, J., Petric, A.O., Henriques, B., Thomas, P.A., Afonso, J., Rettura, A., Wilson, G., Falder, J.T., Geach, J.E., Huynh, M., Norris, R.P., Seymour, N., Richards, G.T., Stanford, S.A., Alexander, D.M., Becker, R.H., Best, P.N., Bizocchi, L., Bonfield, D., Castro, N., Cava, A., Chapman, S., Christopher, N., Clements, D.L., Covone, G., Dubois, N., Dunlop, J.S., Dyke, E., Edge, A., Ferguson, H.C., Foucaud, S., Franceschini, A., Gal, R.R., Grant, J.K., Grossi, M., **Hatziminaoglou, E.**, Hickey, S., Hodge, J.A., Huang, J.-S., Ivison, R.J., Kim, M., LeFevre, O., Lehnert, M., Lonsdale, C.J., Lubin, L.M., McLure, R.J., Messias, H., Martínez-Sansigre, A., Mortier, A.M.J., Nielsen, D.M., Ouchi, M., Parish, G., Perez-Fournon, I., Pierre, M., Rawlings, S., Readhead, A., Ridgway, S.E., Rigopoulou, D., Romer, A.K., Rosebloom, I.G., Rottgering, H.J.A., Rowan-Robinson, M., Sajina, A., Simpson, C.J., Smail, I., Squires, G.K., Stevens, J.A., Taylor, R., Trichas, M., Urrutia, T., van Kampen, E., Verma, A., Xu, C.K., 2012, PASP, 124, 1135 [\[ADS\]](#)

A comparison of algorithms for the construction of SZ cluster catalogues

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The Nature and Nurture of Bars and Disks

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AzTEC half square degree survey of the SHADES fields - II. Identifications, redshifts and evidence for large-scale structure

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Herschel observations of extended atomic gas in the core of the Perseus cluster

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Constraints on the Radial Variation of Grain Growth in the AS 209 Circumstellar Disk

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Are Molecular Outflows around High-mass Stars Driven by Ionization Feedback?

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