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Cosmology

[The DPOSS II distant compact group survey: the EMMI-NTT spectroscopic sample*](#)

Pompei, E., & Iovino, A., 2012, A&A, 539, 106 [[ADS](#)]

Instruments: EMMI, EMMI, EMMI

[A journey from the outskirts to the cores of groups. I. Color- and mass-segregation in 20K-zCOSMOS groups](#)

Presotto, V., Iovino, A., Scodreggio, M., Cucciati, O., Knobel, C., Bolzonella, M., Oesch, P., Finoguenov, A., Tanaka, M., Kovač, K., Peng, Y., Zamorani, G., Bardelli, S., Pozzetti, L., Kampczyk, P., López-Sanjuan, C., Vergani, D., Zucca, E., Tasca, L.A.M., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fèvre, O., Lilly, S., **Mainieri, V.**, Renzini, A., Bongiorno, A., Caputi, K., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Pellò, R., Perez-Montero, E., Ricciardelli, E., Silverman, J.D., Tresse, L., Barnes, L., Bordoloi, R., Cappi, A., Cimatti, A., Coppa, G., Koekemoer, A.M., McCracken, H.J., Moresco, M., Nair, P., Welikala, N., 2012, A&A, 539, 55 [[ADS](#)]

Instruments: VIMOS

[GMASS ultradeep spectroscopy of galaxies at \$z \sim 2\$. VI. Star formation, extinction, and gas outflows from UV spectra](#)

Talia, M., Mignoli, M., Cimatti, A., Kurk, J., Berta, S., Bolzonella, M., Cassata, P., Daddi, E., Dickinson, M., Franceschini, A., Halliday, C., Pozzetti, L., Renzini, A., Rodighiero, G., **Rosati, P.**, & Zamorani, G., 2012, A&A, 539, 61 [[ADS](#)]

Instruments: FORS2

Galaxies and Galactic Nuclei

[Cleaning spectroscopic samples of stars in nearby dwarf galaxies. The use of the nIR Mg I line to weed out Milky Way contaminants](#)

Battaglia, G., & Starkeburg, E., 2012, A&A, 539, 123 [[ADS](#)]

Instruments: FLAMES-GIRAFFE, FLAMES-GIRAFFE, FLAMES-GIRAFFE

[Planetary nebula kinematics in NGC 1316: a young Sombrero](#)

McNeil-Moylan, E.K., Freeman, K.C., **Arnaboldi, M.**, & Gerhard, O.E., 2012, A&A, 539, 11 [[ADS](#)]

Instruments: FORS2

[Kinematical and Chemical Vertical Structure of the Galactic Thick Disk. I. Thick Disk Kinematics](#)

Moni Bidin, C., **Carraro, G.**, & Méndez, R.A., 2012, ApJ, 747, 101 [[ADS](#)]

Instruments: FEROS2.2, FEROS2.2

Interstellar Medium, Star Formation and Planetary Systems

[Warm gas at 50 AU in the disk around Herbig Be star HD 100546](#)

Goto, M., van der Plas, G., **van den Ancker, M.**, Dullemond, C.P., Carmona, A., Henning, T., Meeus, G., Linz, H., & Stecklum, B., 2012, A&A, 539, 81 [[ADS](#)]

Instruments: CRIRES

[Benchmark cool companions: ages and abundances for the PZ Telescopii system](#)

Jenkins, J.S., Pavlenko, Y.V., Ivanyuk, O., Gallardo, J., **Jones, M.I.**, Day-Jones, A.C., Jones, H.R.A., Ruiz, M.T., Pinfield, D.J., & Yakovina, L., 2012, MNRAS, 420, 3587 [[ADS](#)]

Instruments: FEROS2.2, FEROS2.2, FEROS2.2

[High-resolution Spectroscopy of Ne II Emission from Young Stellar Objects](#)

Sacco, G.G., Flaccomio, E., Pascucci, I., Lahuis, F., Ercolano, B., Kastner, J.H., Micela, G., Stelzer, B., & Sterzik, M., 2012, ApJ, 747, 142 [\[ADS\]](#)
Instruments: VISIR, VISIR, VISIR

[Finding proto-spectroscopic binaries. Precise multi-epoch radial velocities of seven protostars in \$\rho\$ Ophiuchus](#)

Viana Almeida, P., Melo, C., Santos, N.C., Figueira, P., Sterzik, M., & Gameiro, J.F., 2012, A&A, 539, 62 [\[ADS\]](#)
Instruments: CRILES

Stellar Evolution

[AMBER/VLTI observations of five giant stars](#)

Cusano, F., Paladini, C., Richichi, A., Guenther, E.W., Aringer, B., Biazzo, K., Molinaro, R., Pasquini, L., & Hatzes, A.P., 2012, A&A, 539, 58 [\[ADS\]](#)
Instruments: AMBER

[The Na-O anticorrelation in horizontal branch stars. II. NGC 1851](#)

Gratton, R.G., Lucatello, S., Carretta, E., Bragaglia, A., D'Orazi D'Orazi, V., Momany, Y.A., Sollima, A., Salaris, M., & Cassisi, S., 2012, A&A, 539, 19 [\[ADS\]](#)
Instruments: FLAMES-GIRAFFE

[The morphology and kinematics of the Fine Ring Nebula, planetary nebula Sp 1, and the shaping influence of its binary central star](#)

Jones, D., Mitchell, D.L., Lloyd, M., Pollacco, D., O'Brien, T.J., Meaburn, J., & Vaytet, N.M.H., 2012, MNRAS, 420, 2271 [\[ADS\]](#)
Instruments: EMMI, EMMI

[Measuring differential rotation of the K-giant \$\zeta\$ Andromedae](#)

Kóvári, Z., Korhonen, H., Kriskovics, L., Vida, K., Donati, J.-F., Le Coroller, H., Monnier, J.D., Pedretti, E., Petit, P., 2012, A&A, 539, 50 [\[ADS\]](#)
Instruments: UVES

[CRIRES-POP. A library of high resolution spectra in the near-infrared](#)

Lebzelter, T., Seifahrt, A., Uttenhaler, S., Ramsay, S., Hartman, H., Nieva, M.-F., Przybilla, N., Smette, A., Wahlgren, G.M., Wolff, B., Hussain, G.A.J., Käufel, H.U., Seemann, U., 2012, A&A, 539, 109 [\[ADS\]](#)
Instruments: CRILES, CRILES, CRILES, CRILES

[A precision study of two eclipsing white dwarf plus M dwarf binaries](#)

Parsons, S.G., Marsh, T.R., Gänsicke, B.T., Rebassa-Mansergas, A., Dhillon, V.S., Littlefair, S.P., Copperwheat, C.M., Hickman, R.D.G., Burleigh, M.R., Kerry, P., Koester, D., Nebot Gómez-Morán, A., Pyrzas, S., Savoury, C.D.J., Schreiber, M.R., Schmidtobreick, L., Schwobe, A.D., Steele, P.R., & Tappert, C., 2012, MNRAS, 420, 3281 [\[ADS\]](#)
Instruments: SOFI, SOFI, X-SHOOTER, ULTRACAM_NTT

[Optical counterpart of HLX-1 during the 2010 outburst](#)

Soria, R., Hakala, P.J., Hau, G.K.T., Gladstone, J.C., & Kong, A.K.H., 2012, MNRAS, 420, 3599 [\[ADS\]](#)
Instruments: VIMOS

Miscellaneous

[High-contrast spectroscopy of SCR J1845-6357 B](#)

Vigan, A., Bonnefoy, M., Chauvin, G., Moutou, C., & Montagnier, G., 2012, A&A, 540, 131 [\[ADS\]](#)
Instruments: NACO

[Comparing radial velocities of atmospheric lines with radiosonde measurements](#)

Figueira, P., Kerber, F., Chacon, A., Lovis, C., Santos, N.C., Curto, G.L., Sarazin, M., & Pepe, F., 2012, MNRAS, 420, 2874 [\[ADS\]](#)
Instruments: HARPS

Papers without ESO data

Herschel observations of Cen A: stellar heating of two extragalactic dust clouds

Auld, R., Smith, M.W.L., Bendo, G., Pohlen, M., Wilson, C., Gomez, H., **Cortese, L.**, Morganti, R., Baes, M., Boselli, A., Cooray, A., Davies, J.I., Eales, S., Elbaz, D., Galametz, M., Isaak, K., Oosterloo, T., Page, M., Rigby, E., Spinoglio, L., & Struve, C., 2012, MNRAS, 420, 1882 [[ADS](#)]

Ammonia and other parent molecules in comet 10P/Tempel 2 from Herschel/HIFI and ground-based radio observations

Biver, N., Crovisier, J., Bockelée-Morvan, D., Szutowicz, S., Lis, D.C., Hartogh, P., de Val-Borro, M., Moreno, R., **Boissier, J.**, Kidger, M., Küppers, M., Paubert, G., Dello Russo, N., Vervack, R., & Weaver, H., 2012, A&A, 539, 68 [[ADS](#)]

Systematic variation of the stellar initial mass function in early-type galaxies

Cappellari, M., McDermid, R.M., Alatalo, K., Blitz, L., Bois, M., Bournaud, F., Bureau, M., Crocker, A.F., Davies, R.L., **Davis, T.A.**, **de Zeeuw, P.T.**, Duc, P.-A., **Emsellem, E.**, Khochfar, S., **Krajnović, D.**, **Kuntschner, H.**, **Lablanche, P.-Y.**, Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Scott, N., Serra, P., Weijmans, A.-M., Young, L.M., 2012, Natur, 484, 485 [[ADS](#)]

An optical/NIR survey of globular clusters in early-type galaxies. III. On the colour bimodality of globular cluster systems

Chies-Santos, A.L., Larsen, S.S., Cantiello, M., Strader, J., **Kuntschner, H.**, Wehner, E.M., & Brodie, J.P., 2012, A&A, 539, 54 [[ADS](#)]

Low-mass X-Ray Binaries Indicate a Top-heavy Stellar Initial Mass Function in Ultracompact Dwarf Galaxies

Dabringhausen, J., Kroupa, P., Pflamm-Altenburg, J., & **Mieske, S.**, 2012, ApJ, 747, 72 [[ADS](#)]

A preliminary look at the empirical mass distribution of hot B subdwarf stars

Fontaine, G., Brassard, P., Charpinet, S., Green, E.M., **Randall, S.K.**, & van Grootel, V., 2012, A&A, 539, 12 [[ADS](#)]

Star-formation laws in luminous infrared galaxies. New observational constraints on models

García-Burillo, S., Usero, A., Alonso-Herrero, A., Graciá-Carpio, J., Pereira-Santaella, M., Colina, L., **Planesas, P.**, & Arribas, S., 2012, A&A, 539, 8 [[ADS](#)]

A simplified view of blazars: clearing the fog around long-standing selection effects

Giommi, P., **Padovani, P.**, Polenta, G., Turriziani, S., D'Elia, V., & Piranomonte, S., 2012, MNRAS, 420, 2899 [[ADS](#)]

Dust in historical Galactic Type Ia supernova remnants with Herschel

Gomez, H.L., Clark, C.J.R., Nozawa, T., Krause, O., Gomez, E.L., Matsuura, M., Barlow, M.J., Besel, M.-A., Dunne, L., Gear, W.K., Hargrave, P., Henning, T., Ivison, R.J., Sibthorpe, B., Swinyard, B.M., **Wesson, R.**, 2012, MNRAS, 420, 3557 [[ADS](#)]

Spectroscopy of the spatially extended Ly α emission around a quasar at $z = 6.4$

Goto, T., Utsumi, Y., **Walsh, J.R.**, Hattori, T., Miyazaki, S., & Yamauchi, C., 2012, MNRAS, 421, L77 [[ADS](#)]

More on the structure of tidal tails

Küpper, A.H.W., Lane, R.R., & Heggie, D.C., 2012, MNRAS, 420, 2700 [[ADS](#)]

An icy Kuiper belt around the young solar-type star HD 181327

Lebreton, J., Augereau, J.-C., Thi, W.-F., Roberge, A., Donaldson, J., Schneider, G., Maddison, S.T., Ménard, F., Riviere-Marichalar, P., Mathews, G.S., Kamp, I., Pinte, C., **Dent, W.R.F.**, Barrado, D., Duchêne, G., Gonzalez, J.-F., Grady, C.A., Meeus, G., Pantin, E., Williams, J.P., Woitke, P., 2012, A&A, 539, 17 [[ADS](#)]

Surviving the hole. I. Spatially resolved chemistry around Sagittarius A*

Martín, S., Martín-Pintado, J., Montero-Castaño, M., Ho, P.T.P., & Blundell, R., 2012, A&A, 539, 29 [[ADS](#)]

Recalibrated generalized SCIDAR measurements at Cerro Paranal (the site of the Very Large Telescope)

Masciadri, E., Lascaux, F., Fuensalida, J.J., **Lombardi, G.**, & Vázquez-Ramió, H., 2012, MNRAS, 420, 2399 [[ADS](#)]

Overdensities of 24 μm sources in the vicinities of high-redshift radio galaxies

Mayo, J.H., **Vernet, J.**, **De Breuck, C.**, Galametz, A., Seymour, N., & Stern, D., 2012, A&A, 539, 33 [[ADS](#)]

Spatially Resolved H α Maps and Sizes of 57 Strongly Star-forming Galaxies at $z \sim 1$ from 3D-HST: Evidence for Rapid Inside-out Assembly of Disk Galaxies

Nelson, E.J., van Dokkum, P.G., **Brammer, G.**, Förster Schreiber, N., Franx, M., Fumagalli, M., Patel, S., Rix, H.-W., Skelton, R.E., Bezanson, R., Da Cunha, E., Kriek, M., Labbe, I., Lundgren, B., Quadri, R., Schmidt, K.B., 2012, ApJ, 747, L28 [[ADS](#)]

The suppression of star formation by powerful active galactic nuclei

Page, M.J., Symeonidis, M., Vieira, J.D., Altieri, B., Amblard, A., Arumugam, V., Aussel, H., Babbedge, T., Blain, A., Bock, J., Boselli, A., Buat, V., Castro-Rodríguez, N., Cava, A., Chanial, P., Clements, D.L., Conley, A., Conversi, L., Cooray, A., Dowell, C.D., Dubois, E.N., Dunlop, J.S., Dwek, E., Dye, S., Eales, S., Elbaz, D., Farrah, D., Fox, M., Franceschini, A., Gear, W., Glenn, J., Griffin, M., Halpern, M., **Hatziminaoglou, E.**, Ibar, E., Isaak, K., Ivison, R.J., Lagache, G., Levenson, L., Lu, N., Madden, S., Maffei, B., Mainetti, G., Marchetti, L., Nguyen, H.T., O'Halloran, B., Oliver, S.J., Omont, A., Panuzzo, P., Papageorgiou, A., Pearson, C.P., Pérez-Fournon, I., Pohlen, M., Rawlings, J.I., Rigopoulou, D., Riguccini, L., Rizzo, D., Rodighiero, G., Roseboom, I.G., Rowan-Robinson, M., Portal, M.S., Schulz, B., Scott, D., Seymour, N., Shupe, D.L., Smith, A.J., Stevens, J.A., Trichas, M., Tugwell, K.E., Vaccari, M., Valtchanov, I., Viero, M., Vigroux, L., Wang, L., Ward, R., Wright, G., Xu, C.K., & Zemcov, M., 2012, Natur, 485, 213 [[ADS](#)]

The Sun was Not Born in M67

Pichardo, B., Moreno, E., Allen, C., Bedin, L.R., Bellini, A., & **Pasquini, L.**, 2012, AJ, 143, 73 [[ADS](#)]

Stellar population gradients in the cores of nearby field E+A galaxies

Pracy, M.B., Owers, M.S., Couch, W.J., **Kuntschner, H.**, Bekki, K., Briggs, F., Lah, P., & **Zwaan, M.**, 2012, MNRAS, 420, 2232 [[ADS](#)]

Fomalhaut debris disk emission at 7 millimeters: constraints on the collisional models of planetesimals

Ricci, L., **Testi, L.**, Maddison, S.T., & Wilner, D.J., 2012, A&A, 539, L6 [[ADS](#)]

The Ongoing Assembly of a Central Cluster Galaxy: Phase-space Substructures in the Halo of M87

Romanowsky, A.J., Strader, J., Brodie, J.P., Mihos, J.C., Spitler, L.R., Forbes, D.A., **Foster, C.**, & Arnold, J.A., 2012, ApJ, 748, 29 [[ADS](#)]

Deep Chandra observation of the galaxy cluster WARPJ1415.1+3612 at $z = 1$. An evolved cool-core cluster at high redshift

Santos, J.S., Tozzi, P., **Rosati, P.**, Nonino, M., & Giovannini, G., 2012, A&A, 539, 105 [[ADS](#)]

Shadows, gaps, and ring-like structures in protoplanetary disks

Siebenmorgen, R., & **Heymann, F.**, 2012, A&A, 539, 20 [[ADS](#)]

The radio-X-ray relation as a star formation indicator: results from the Very Large Array-Extended Chandra Deep Field-South

Vattakunnel, S., Tozzi, P., Matteucci, F., **Padovani, P.**, Miller, N., **Bonzini, M.**, **Mainieri, V.**, Paolillo, M., Vincoletto, L., Brandt, W.N., Luo, B., Kellermann, K.I., & Xue, Y.Q., 2012, MNRAS, 420, 2190 [[ADS](#)]

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