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Cosmology

[Metallicities, Dust, and Molecular Content of a QSO-damped Ly \$\alpha\$ System Reaching \$\log N\(\text{H I}\) = 22\$: An Analog to GRB-DLAs](#)

Guimarães, R., Noterdaeme, P., Petitjean, P., **Ledoux, C.**, Srianand, R., López, S., & Rahmani, H., 2012, AJ, 143, 147 [[ADS](#)]

Instruments: UVES, UVES

[The Optically Unbiased GRB Host \(TOUGH\) Survey. IV. Ly \$\alpha\$ Emitters](#)

Milvang-Jensen, B., Fynbo, J.P.U., Malesani, D., Hjorth, J., Jakobsson, P., & **Møller, P.**, 2012, ApJ, 756, 25 [[ADS](#)]

Instruments: FORS1, FORS1, FORS1, FORS1, FORS1

[Herschel-PACS far-infrared detections of Lyman- \$\alpha\$ emitters at \$2.0 \lesssim z \lesssim 3.5\$](#)

Oteo, I., Bongiovanni, A., Pérez García, A.M., Cepa, J., Ederoclite, A., Sánchez-Portal, M., Pintos-Castro, I., Pérez-Martínez, R., Berta, S., Magnelli, B., Popesso, P., Pozzi, F., Poglitsch, A., Lutz, D., Genzel, R., Tacconi, L., Förster Schreiber, N., Sturm, E., Elbaz, D., Aussel, H., Daddi, E., **Andreani, P.**, Cimatti, A., Maiolino, R., Altieri, B., & Valtchanov, I., 2012, A&A, 541, 65 [[ADS](#)]

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

[Physical Properties of Ly \$\alpha\$ Emitters at \$z \sim 0.3\$ from UV-to-FIR Measurements](#)

Oteo, I., Bongiovanni, A., Pérez García, A.M., Cepa, J., Ederoclite, A., Sánchez-Portal, M., Pintos-Castro, I., Pérez-Martínez, R., Lutz, D., Altieri, B., **Andreani, P.**, Aussel, H., Berta, S., Cimatti, A., Daddi, E., Elbaz, D., Förster Schreiber, N., Genzel, R., Le Floc'h, E., Magnelli, B., Maiolino, R., Poglitsch, A., Popesso, P., Pozzi, F., Riguccini, L., Sturm, E., Tacconi, L., & Valtchanov, I., 2012, ApJ, 751, 139 [[ADS](#)]

Instruments: VIMOS

[On the sodium overabundance of giants in open clusters: the case of the Hyades](#)

Smiljanic, R., 2012, MNRAS, 422, 1562 [[ADS](#)]

Instruments: UVES, FEROS2.2, FEROS2.2

Galaxies and Galactic Nuclei

[A way to deal with the fringe-like pattern in VIMOS-IFU data](#)

Lagerholm, C., Kuntschner, H., Cappellari, M., **Krajnović, D.**, McDermid, R.M., & **Rejkuba, M.**, 2012, A&A, 541, 82 [[ADS](#)]

Instruments: VIMOS

[Kinematical and Chemical Vertical Structure of the Galactic Thick Disk. II. A Lack of Dark Matter in the Solar Neighborhood](#)

Moni Bidin, C., **Carraro, G.**, Méndez, R.A., & Smith, R., 2012, ApJ, 751, 30 [[ADS](#)]

Instruments: FEROS2.2, FEROS2.2

[Manganese in dwarf spheroidal galaxies](#)

North, P., Cescutti, G., Jablonka, P., Hill, V., Shetrone, M., Letarte, B., Lemasle, B., Venn, K.A., **Battaglia, G.**, Tolstoy, E., Irwin, M.J., **Primas, F.**, & François, P., 2012, A&A, 541, 45 [[ADS](#)]

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

[Nucleosynthesis and the Inhomogeneous Chemical Evolution of the Carina Dwarf Galaxy](#)

Venn, K.A., Shetrone, M.D., Irwin, M.J., Hill, V., Jablonka, P., Tolstoy, E., Lemasle, B., Divell, M., Starkenburg, E.,

Letarte, B., Baldner, C., **Battaglia, G.**, Helmi, A., **Kaufer, A.**, & **Primas, F.**, 2012, ApJ, 751, 102 [ADS]
Instruments: FLAMES-UV, FLAMES-UV, FLAMES-GIRAFFE, FLAMES-GIRAFFE

Interstellar Medium, Star Formation and Planetary Systems

[The TRAPPIST survey of southern transiting planets. I. Thirty eclipses of the ultra-short period planet WASP-43 b](#)

Gillon, M., Triaud, A.H.M.J., Fortney, J.J., Demory, B.-O., Jehin, E., Lendl, M., Magain, P., **Kabath, P.**, Queloz, D., Alonso, R., Anderson, D.R., Collier Cameron, A., Fumel, A., Hebb, L., Hellier, C., Lanotte, A., Maxted, P.F.L., Mowlavi, N., Smalley, B., 2012, A&A, 542, 4 [ADS]
Instruments: HAWK-I

[Line identification in high-resolution, near-infrared CRIRES spectra of chemically peculiar and Herbig Ae stars](#)

Hubrig, S., Castelli, F., González, J.F., Elkin, V.G., **Mathys, G.**, Cowley, C.R., **Wolff, B.**, & **Schöller, M.**, 2012, A&A, 542, 31 [ADS]
Instruments: CRIRES

Stellar Evolution

[C and N abundances of main sequence and subgiant branch stars in NGC 1851](#)

Lardo, C., Milone, A.P., Marino, A.F., Mucciarelli, A., Pancino, E., Zoccali, M., **Rejkuba, M.**, Carrera, R., & **Gonzalez, O.**, 2012, A&A, 541, 141 [ADS]
Instruments: FORS2

[Secular Changes in Eta Carinae's Wind 1998-2011](#)

Mehner, A., Davidson, K., Humphreys, R.M., Ishibashi, K., Martin, J.C., Ruiz, M.T., & Walter, F.M., 2012, ApJ, 751, 73 [ADS]
Instruments: UVES, UVES, UVES, UVES, UVES, UVES, UVES, UVES, UVES, UVES

[The Effects of Differential Reddening and Stellar Rotation on the Appearance of Multiple Populations in Star Clusters: The Case of Trumpler 20](#)

Platais, I., **Melo, C.**, Quinn, S.N., Clem, J.L., de Mink, S.E., Dotter, A., Kozhurina-Platais, V., Latham, D.W., & Bellini, A., 2012, ApJ, 751, L8 [ADS]
Instruments: FLAMES-GIRAFFE

[An investigation of binary stars in the Pleiades with high contrast and spatial resolution](#)

Richichi, A., Chen, W.P., Cusano, F., Fors, O., **Moerchen, M.**, & Komonjinda, S., 2012, A&A, 541, 96 [ADS]
Instruments: ISAAC

[The fight for accretion: discovery of intermittent mass transfer in BB Doradus in the low state](#)

Rodríguez-Gil, P., **Schmidtbreick, L.**, Long, K.S., Gänsicke, B.T., Torres, M.A.P., Rubio-Díez, M.M., & Santander-García, M., 2012, MNRAS, 422, 2332 [ADS]
Instruments: EFOSC2_NTT

[Life after eruption - I. Spectroscopic observations of 10 nova candidates](#)

Tappert, C., Ederoclite, A., Mennickent, R.E., **Schmidtbreick, L.**, & Vogt, N., 2012, MNRAS, 423, 2476 [ADS]
Instruments: EFOSC2_NTT, EFOSC2_NTT, EFOSC2_NTT

[A study of the kinematics and binary-induced shaping of the planetary nebula HaTr 4](#)

Tyndall, A.A., **Jones, D.**, Lloyd, M., O'Brien, T.J., & Pollacco, D., 2012, MNRAS, 422, 1804 [ADS]
Instruments: UVES, EMMI

[Infrared imaging and polarimetric observations of the pulsar wind nebula in SNR G21.5-0.9](#)

Zajczyk, A., Gallant, Y.A., Slane, P., Reynolds, S.P., Bandiera, R., Gouiffès, C., Le Floc'h, E., **Comerón, F.**, & Koch Miramond, L., 2012, A&A, 542, 12 [ADS]
Instruments: ISAAC

Miscellaneous

Constraints on planets around β Pic with Harps radial velocity data

Lagrange, A.-M., De Bondt, K., Meunier, N., **Sterzik, M.**, & Beust, H., Galland, F., 2012, A&A, 542, 18 [[ADS](#)]
Instruments: HARPS

Papers without ESO data

Rapid variability of the compact radio sources in Arp220. Evidence for a population of microblazars?

Batejat, F., Conway, J.E., **Rushton, A.**, **Parra, R.**, Diamond, P.J., Lonsdale, C.J., & Lonsdale, C.J., 2012, A&A, 542, L24 [[ADS](#)]

3D-HST: A Wide-field Grism Spectroscopic Survey with the Hubble Space Telescope

Brammer, G.B., van Dokkum, P.G., Franx, M., Fumagalli, M., Patel, S., Rix, H.-W., Skelton, R.E., Kriek, M., Nelson, E., Schmidt, K.B., Bezanson, R., da Cunha, E., Erb, D.K., Fan, X., Förster Schreiber, N., Illingworth, G.D., Labbé, I., Leja, J., Lundgren, B., Magee, D., Marchesini, D., McCarthy, P., Momcheva, I., Muzzin, A., Quadri, R., Steidel, C.C., Tal, T., Wake, D., Whitaker, K.E., Williams, A., 2012, ApJS, 200, 13 [[ADS](#)]

Radio spectra and polarisation properties of a bright sample of radio-loud broad absorption line quasars

Bruni, G., Mack, K.-H., Salerno, E., **Montenegro-Montes, F.M.**, Carballo, R., Benn, C.R., González-Serrano, J.I., Holt, J., & Jiménez-Luján, F., 2012, A&A, 542, 13 [[ADS](#)]

Orbital identification of clays and carbonates in Gusev crater

Carter, J., & Poulet, F., 2012, Icar, 219, 250 [[ADS](#)]

Characterizing Lenses and Lensed Stars of High-magnification Single-lens Gravitational Microlensing Events with Lenses Passing over Source Stars

Choi, J.-Y., Shin, I.-G., Park, S.-Y., Han, C., Gould, A., Sumi, T., Udalski, A., Beaulieu, J.-P., Street, R., Dominik, M., Allen, W., Almeida, L.A., Bos, M., Christie, G.W., Depoy, D.L., Dong, S., Drummond, J., Gal-Yam, A., Gaudi, B.S., Henderson, C.B., Hung, L.-W., Jablonski, F., Janczak, J., Lee, C.-U., Mallia, F., Maury, A., McCormick, J., McGregor, D., Monard, L.A.G., Moorhouse, D., Muñoz, J.A., Natusch, T., Nelson, C., Park, B.-G., Pogge, R.W., "TG" Tan, T.-G., Thornley, G., Yee, J.C., The μ FUN Collaboration, T. μ C., Abe, F., Barnard, E., Baudry, J., Bennett, D.P., Bond, I.A., Botzler, C.S., Freeman, M., Fukui, A., Furusawa, K., Hayashi, F., Hearnshaw, J.B., Hosaka, S., Itow, Y., Kamiya, K., Kilmartin, P.M., Kobara, S., Korpela, A., Lin, W., Ling, C.H., Makita, S., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagaya, M., Nishimoto, K., Ohnishi, K., Okumura, T., Omori, K., Perrott, Y.C., Rattenbury, N., Saito, T., Skuljan, L., Sullivan, D.J., Suzuki, D., Suzuki, K., Sweatman, W.L., Takino, S., Tristram, P.J., Wada, K., Yock, P.C.M., The MOA Collaboration, T.M.C., Szymański, M.K., Kubiak, M., Pietrzyński, G., Soszyński, I., Poleski, R., Ulaczyk, K., Wyrzykowski, Ł., Kozłowski, S., Pietrukowicz, P., The OGLE Collaboration, T.O.C., Albrow, M.D., Bachelet, E., Batista, V., Bennett, C.S., Bowens-Rubin, R., **Brilliant, S.**, Cassan, A., Cole, A., Corrales, E., Coutures, C., Dieters, S., Dominis Prester, D., Donatowicz, J., Fouqué, P., Greenhill, J., Kane, S.R., Menzies, J., Sahu, K.C., Wambsganss, J., Williams, A., Zub, M., The PLANET Collaboration, T.P.C., Allan, A., **Bramich, D.M.**, Browne, P., Clay, N., Fraser, S., Horne, K., **Kains, N.**, Mottram, C., **Snodgrass, C.**, Steele, I., Tsapras, Y., The RoboNet Collaboration, T.R.C., Alsubai, K.A., Bozza, V., Burgdorf, M.J., Calchi Novati, S., Dodds, P., Dreizler, S., Finet, F., Gerner, T., Glittrup, M., Grundahl, F., Hardis, S., Harpsøe, K., Hinse, T.C., Hundertmark, M., Jørgensen, U.G., Kerins, E., Liebig, C., Maier, G., Mancini, L., Mathiasen, M., Penny, M.T., Proft, S., Rahvar, S., Ricci, D., Scarpetta, G., Schäfer, S., Schönebeck, F., Skottfelt, J., Surdej, J., Southworth, J., Zimmer, F., MiNDSTeP Consortium, T., 2012, ApJ, 751, 41 [[ADS](#)]

Separable triaxial potential-density pairs in modified Newtonian dynamics

Ciotti, L., Zhao, H., & **de Zeeuw, P.T.**, 2012, MNRAS, 422, 2058 [[ADS](#)]

The Viewing Angles of Broad Absorption Line versus Unabsorbed Quasars

DiPompeo, M.A., Brotherton, M.S., & **De Breuck, C.**, 2012, ApJ, 752, 6 [[ADS](#)]

The Next Generation Virgo Cluster Survey (NGVS). I. Introduction to the Survey

Ferrarese, L., Côté, P., Cuillandre, J.-C., Gwyn, S.D.J., Peng, E.W., MacArthur, L.A., Duc, P.-A., Boselli, A., Mei, S., Erben, T., McConnachie, A.W., Durrell, P.R., Mihos, J.C., Jordán, A., Lançon, A., Puzia, T.H., **Emsellem, E.**, Balogh, M.L., Blakeslee, J.P., van Waerbeke, L., Gavazzi, R., Vollmer, B., Kavelaars, J.J., Woods, D., Ball, N.M., Boissier, S., Courteau, S., Ferriere, E., Gavazzi, G., Hildebrandt, H., Hudelot, P., Huertas-Company, M., Liu, C., McLaughlin, D., Mellier, Y., Milkeraitis, M., Schade, D., Balkowski, C., Bournaud, F., Carlberg, R.G., Chapman, S.C., Hoekstra, H., Peng, C., Sawicki, M., Simard, L., Taylor, J.E., Tully, R.B., van Driel, W., Wilson, C.D., Burdullis, T., Mahoney, B., Manset, N., 2012, ApJS, 200, 4 [[ADS](#)]

Improved Variable Star Search in Large Photometric Data Sets: New Variables in CoRoT Field LRa02 Detected by BEST II

Fruth, T., **Kabath, P.**, Cabrera, J., Chini, R., Csizmadia, S., Eigmüller, P., Erikson, A., Kirste, S., Lemke, R., Murphy, M., Pasternacki, T., Rauer, H., & Titz-Weider, R., 2012, AJ, 143, 140 [\[ADS\]](#)

Mean angular diameters, distances, and pulsation modes of the classical Cepheids FF Aquilae and T Vulpeculae. CHARA/FLUOR near-infrared interferometric observations

Gallenne, A., Kervella, P., **Mérand, A.**, McAlister, H., ten Brummelaar, T., Coudé du Foresto, V., Sturmman, J., Sturmman, L., Turner, N., Farrington, C., & Goldfinger, P.J., 2012, A&A, 541, 87 [\[ADS\]](#)

The JCMT 12CO(3-2) survey of the Cygnus X region. I. A pathfinder

Gottschalk, M., Kothes, R., Matthews, H.E., Landecker, T.L., & **Dent, W.R.F.**, 2012, A&A, 541, 79 [\[ADS\]](#)

GPU-based Monte Carlo Dust Radiative Transfer Scheme Applied to Active Galactic Nuclei

Heymann, F., & **Siebenmorgen, R.**, 2012, ApJ, 751, 27 [\[ADS\]](#)

The coronal X-ray-age relation and its implications for the evaporation of exoplanets

Jackson, A.P., **Davis, T.A.**, & Wheatley, P.J., 2012, MNRAS, 422, 2024 [\[ADS\]](#)

Sizing up Ly α and Lyman Break Galaxies

Malhotra, S., Rhoads, J.E., Finkelstein, S.L., Hathi, N., **Nilsson, K.**, McLinden, E., & Pirzkal, N., 2012, ApJ, 750, L36 [\[ADS\]](#)

Speckle temporal stability in XAO coronagraphic images

Martinez, P., **Loose, C.**, **Aller Carpentier, E.**, & **Kasper, M.**, 2012, A&A, 541, 136 [\[ADS\]](#)

Variability of the Infrared Excess of Extreme Debris Disks

Meng, H.Y.A., Rieke, G.H., Su, K.Y.L., **Ivanov, V.D.**, Vanzi, L., & Rujopakarn, W., 2012, ApJ, 751, L17 [\[ADS\]](#)

The Pipe Nebula as seen with Herschel: formation of filamentary structures by large-scale compression?

Peretto, N., André, P., Könyves, V., Schneider, N., Arzoumanian, D., Palmeirim, P., Didelon, P., Attard, M., Bernard, J.P., Di Francesco, J., Elia, D., Hennemann, M., Hill, T., Kirk, J., Men'shchikov, A., Motte, F., Nguyen Luong, Q., Roussel, H., Soubie, T., **Testi, L.**, Ward-Thompson, D., White, G.J., & Zavagno, A., 2012, A&A, 541, 63 [\[ADS\]](#)

X-ray properties of radio-selected star forming galaxies in the Chandra-COSMOS survey

Ranalli, P., Comastri, A., Zamorani, G., Cappelluti, N., Civano, F., Georgantopoulos, I., Gilli, R., Schinnerer, E., **Smolčić, V.**, & Vignali, C., 2012, A&A, 542, 16 [\[ADS\]](#)

The blue straggler star population in NGC 6229

Sanna, N., Dalessandro, E., Lanzoni, B., Ferraro, F.R., **Beccari, G.**, & Rood, R.T., 2012, MNRAS, 422, 1171 [\[ADS\]](#)

Globules and pillars seen in the [CII] 158 μ m line with SOFIA

Schneider, N., Güsten, R., Tremblin, P., Hennemann, M., Minier, V., Hill, T., **Comerón, F.**, Requena-Torres, M.A., Kraemer, K.E., Simon, R., Röllig, M., Stutzki, J., Djupvik, A.A., Zinnecker, H., Marston, A., Csengeri, T., Cormier, D., Lebouteiller, V., Audit, E., Motte, F., Bontemps, S., Sandell, G., Allen, L., Megeath, T., & Gutermuth, R.A., 2012, A&A, 542, L18 [\[ADS\]](#)

The ATLAS3D project - XIII. Mass and morphology of H I in early-type galaxies as a function of environment

Serra, P., Oosterloo, T., Morganti, R., Alatalo, K., Blitz, L., **Bois, M.**, Bournaud, F., Bureau, M., Cappellari, 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.**, McDermid, R.M., Naab, T., Sarzi, M., Scott, N., Trager, S.C., Weijmans, A.-M., Young, L.M., 2012, MNRAS, 422, 1835 [\[ADS\]](#)

Quest for COSMOS Submillimeter Galaxy Counterparts using CARMA and VLA: Identifying Three High-redshift Starburst Galaxies

Smolčić, V., Navarrete, F., **Aravena, M.**, Ilbert, O., Yun, M.S., Sheth, K., Salvato, M., McCracken, H.J., Diener,

C., Aretxaga, I., Riechers, D.A., Finoguenov, A., Bertoldi, F., Capak, P., Hughes, D., Karim, A., Schinnerer, E., Scoville, N.Z., & Wilson, G., 2012, ApJS, 200, 10 [[ADS](#)]

The Anatomy of the Young Protostellar Outflow HH 211

Tappe, A., Forbrich, J., **Martín, S.**, Yuan, Y., & Lada, C.J., 2012, ApJ, 751, 9 [[ADS](#)]

Detection of Atomic Carbon [C II] 158 μm and Dust Emission from a $z = 7.1$ Quasar Host Galaxy

Venemans, B.P., McMahon, R.G., Walter, F., Decarli, R., Cox, P., Neri, R., Hewett, P., Mortlock, D.J., Simpson, C., & Warren, S.J., 2012, ApJ, 751, L25 [[ADS](#)]

A Deep Search for CO J = 2-1 Emission from a Ly α Blob at $z \sim 6.595$

Wagg, J., & Kanekar, N., 2012, ApJ, 751, L24 [[ADS](#)]

The Small-scale Physical Structure and Fragmentation Difference of Two Embedded Intermediate-mass Protostars in Orion

van Kempen, T.A., **Longmore, S.N.**, Johnstone, D., Pillai, T., & Fuente, A., 2012, ApJ, 751, 137 [[ADS](#)]

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