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Cosmology

[The Contribution of Halos with Different Mass Ratios to the Overall Growth of Cluster-sized Halos](#)

Lemze, D., Postman, M., Genel, S., Ford, H.C., Balestra, I., Donahue, M., Kelson, D., Nonino, M., Mercurio, A., Biviano, A., **Rosati, P.**, Umetsu, K., Sand, D., Koekemoer, A., Meneghetti, M., Melchior, P., Newman, A.B., Bhatti, W.A., Voit, G.M., Medezinski, E., Zitrin, A., Zheng, W., Broadhurst, T., Bartelmann, M., Benitez, N., Bouwens, R., Bradley, L., Coe, D., Graves, G., Grillo, C., Infante, L., Jimenez-Teja, Y., Jouvel, S., Lahav, O., Maoz, D., Merten, J., Molino, A., Moustakas, J., Moustakas, L., Ogaz, S., Scodreggio, M., & Seitz, S., 2013, ApJ, 776, 91 [[ADS](#)]
Instruments: VIMOS

Galaxies and Galactic Nuclei

[Stellar ages through the corners of the boxy bulge](#)

Valenti, E., Zoccali, M., Renzini, A., Brown, T.M., **Gonzalez, O.A.**, Minniti, D., Debattista, V.P., & Mayer, L., 2013, A&A, 559, 98 [[ADS](#)]
Instruments: HAWK-I

[Chemical abundances in LMC stellar populations. II. The bar sample](#)

Van der Swaelmen, M., Hill, V., **Primas, F.**, & Cole, A.A., 2013, A&A, 560, 44 [[ADS](#)]
Instruments: FLAMES-GIRAFFE, FLAMES-GIRAFFE

Interstellar Medium, Star Formation and Planetary Systems

[Planets around stars in young nearby associations. Radial velocity searches: a feasibility study and first results](#)

Lagrange, A.-M., Meunier, N., Chauvin, G., **Sterzik, M.**, Galland, F., **Lo Curto, G.**, & Rameau, J., Sosnowska, D., 2013, A&A, 559, 83 [[ADS](#)]
Instruments: HARPS, HARPS, HARPS

Stellar Evolution

[X-shooter GTO: evidence for a population of extremely metal-poor, alpha-poor stars](#)

Caffau, E., Bonifacio, P., François, P., Sbordone, L., Spite, M., **Monaco, L.**, Plez, B., Spite, F., Zaggia, S., Ludwig, H.-G., Cayrel, R., Molaro, P., Randich, S., Hammer, F., Hill, V., 2013, A&A, 560, 15 [[ADS](#)]
Instruments: X-SHOOTER

[An interferometric study of the post-AGB binary 89 Herculis. I. Spatially resolving the continuum circumstellar environment at optical and near-IR wavelengths with the VLTI, NPO1, IOTA, PTI, and the CHARA Array](#)

Hillen, M., Verhoelst, T., Van Winckel, H., Chesneau, O., **Hummel, C.A.**, Monnier, J.D., Farrington, C., Tycner, C., Mourard, D., ten Brummelaar, T., Banerjee, D.P.K., & Zavala, R.T., 2013, A&A, 559, 111 [[ADS](#)]
Instruments: AMBER, AMBER

[VLA survey of 22 GHz H₂O masers toward ten silicate carbon stars](#)

Ohnaka, K., Boboltz, D.A., Muhlitz-Schimmel, G., Izumiura, H., & **Wittkowski, M.**, 2013, A&A, 559, 120 [[ADS](#)]
Instruments: MIDI

[Two rings but no fellowship: LoTr 1 and its relation to planetary nebulae possessing barium central stars](#)

Tyndall, A.A., Jones, D., Boffin, H.M.J., Miszalski, B., Faedi, F., Lloyd, M., Boumis, P., López, J.A., Martell, S., Pollacco, D., & Santander-García, M., 2013, MNRAS, 436, 2082 [\[ADS\]](#)
Instruments: FORS2, FORS2, UVES, UVES, EMMI, EFOSC2_NTT

Miscellaneous

[Broad-band monitoring tracing the evolution of the jet and disc in the black hole candidate X-ray binary MAXI J1659-152](#)

van der Horst, A.J., Curran, P.A., Miller-Jones, J.C.A., Linford, J.D., Gorosabel, J., Russell, D.M., de Ugarte Postigo, A., **Lundgren, A.A.,** Taylor, G.B., Maitra, D., Guziy, S., Belloni, T.M., Kouveliotou, C., Jonker, P.G., Kamble, A., Paragi, Z., Homan, J., Kuulkers, E., Granot, J., Altamirano, D., Buxton, M.M., Castro-Tirado, A., Fender, R.P., Garrett, M.A., Gehrels, N., Hartmann, D.H., Kennea, J.A., Krimm, H.A., Mangano, V., Ramirez-Ruiz, E., Romano, P., Wijers, R.A.M.J., Wijnands, R., & Yang, Y.J., 2013, MNRAS, 436, 2625 [\[ADS\]](#)
Instruments: LABOCA, LABOCA

[Non-Zeeman circular polarization of CO rotational lines in SNR IC 443](#)

Hezareh, T., Wiesemeyer, H., Houde, M., Gusdorf, A., & **Siringo, G.,** 2013, A&A, 558, 45 [\[ADS\]](#)
Instruments: LABOCA

Ruprecht 106: The First Single Population Globular Cluster?

Villanova, S., Geisler, D., **Carraro, G.,** Moni Bidin, C., & Muñoz, C., 2013, ApJ, 778, 186 [\[ADS\]](#)

[SPT 0538–50: Physical Conditions in the Interstellar Medium of a Strongly Lensed Dusty Star-forming Galaxy at \$z = 2.8\$](#)

Bothwell, M.S., Aguirre, J.E., Chapman, S.C., Marrone, D.P., Vieira, J.D., Ashby, M.L.N., **Aravena, M.,** Benson, B.A., Bock, J.J., Bradford, C.M., Brodwin, M., Carlstrom, J.E., Crawford, T.M., **de Breuck, C.,** Downes, T.P., Fassnacht, C.D., Gonzalez, A.H., Greve, T.R., **Gullberg, B.,** Hezaveh, Y., Holder, G.P., Holzapfel, W.L., Ibar, E., Ivison, R., Kamenetzky, J., Keisler, R., Lupu, R.E., Ma, J., Malkan, M., McIntyre, V., Murphy, E.J., Nguyen, H.T., Reichardt, C.L., Rosenman, M., Spilker, J.S., Stalder, B., Stark, A.A., Strandet, M., **Vernet, J.,** Weiß, A., & Welikala, N., 2013, ApJ, 779, 67 [\[ADS\]](#)
Instruments: ISAAC, LABOCA, SABOCA, SABOCA, ALMA_Bands, ALMA_Bands, X-SHOOTER, Z-Spec, Z-Spec, Z-Spec

Papers without ESO data

The AMIGA sample of isolated galaxies. XII. Revision of the isolation degree for AMIGA galaxies using the SDSS

Argudo-Fernández, M., Verley, S., Bergond, G., Sulentic, J., Sabater, J., Fernández Lorenzo, M., **Leon, S., Espada, D.,** Verdes-Montenegro, L., Santander-Vela, J.D., Ruiz, J.E., & Sánchez-Expósito, S., 2013, A&A, 560, 9 [\[ADS\]](#)

Astropy: A community Python package for astronomy

Astropy Collaboration, A.C., Robitaille, T.P., Tollerud, E.J., Greenfield, P., Droettboom, M., Bray, E., Aldcroft, T., Davis, M., Ginsburg, A., Price-Whelan, A.M., Kerzendorf, W.E., Conley, A., Crighton, N., Barbary, K., Muna, D., Ferguson, H., Grollier, F., Parikh, M.M., Nair, P.H., Unther, H.M., Deil, C., **Woillez, J.,** Conseil, S., Kramer, R., Turner, J.E.H., Singer, L., Fox, R., Weaver, B.A., Zabalza, V., Edwards, Z.I., Azalee Bostroem, K., Burke, D.J., Casey, A.R., Crawford, S.M., Dencheva, N., Ely, J., Jenness, T., Labrie, K., Lim, P.L., Pierfederici, F., Pontzen, A., Ptak, A., Refsdal, B., Servillat, M., & Streicher, O., 2013, A&A, 558, 33 [\[ADS\]](#)

The Gaia astrophysical parameters inference system (Apsis). Pre-launch description

Bailer-Jones, C.A.L., Andrae, R., Arcay, B., Astraatmadja, T., Bellas-Velidis, I., Berihuete, A., Bijaoui, A., Carrión, C., Dafonte, C., Damerджи, Y., Dapergolas, A., de Laverny, P., Delchambre, L., Drazinos, P., Drimmel, R., Frémat, Y., Fustes, D., García-Torres, M., Guédé, C., Heiter, U., Janotto, A.-M., Karmampelas, A., Kim, D.-W., Knude, J., Kolka, I., Kontizas, E., Kontizas, M., Korn, A.J., Lanzafame, A.C., Lebreton, Y., Lindstrøm, H., Liu, C., Livanou, E., Lobel, A., Manteiga, M., **Martayan, C.,** Ordenovic, C., Pichon, B., Recio-Blanco, A., Rocca-Volmerange, B., Sarro, L.M., Smith, K., Sordo, R., Soubiran, C., Surdej, J., Thévenin, F., Tsalmantza, P., Vallenari, A., Zorec, J., 2013, A&A, 559, 74 [\[ADS\]](#)

Dwarfs walking in a row. The filamentary nature of the NGC 3109 association

Bellazzini, M., Oosterloo, T., Fraternali, F., & **Beccari, G.,** 2013, A&A, 559, L11 [\[ADS\]](#)

Gas and dust productions of Comet 103P/Hartley 2 from millimetre observations: Interpreting rotation-induced time variations

Boissier, J., Bockelée-Morvan, D., Biver, N., Colom, P., Crovisier, J., Moreno, R., Zakharov, V., Groussin, O., Jorda, L., & Lis, D.C., 2014, *Icar*, 228, 197 [[ADS](#)]

Automated data reduction workflows for astronomy. The ESO Reflex environment

Freudling, W., Romaniello, M., Bramich, D.M., Ballester, P., Forchi, V., García-Dabó, C.E., Moehler, S., & Neeser, M.J., 2013, *A&A*, 559, 96 [[ADS](#)]

The optical transmission spectrum of the hot Jupiter HAT-P-32b: clouds explain the absence of broad spectral features?

Gibson, N.P., Aigrain, S., Barstow, J.K., Evans, T.M., Fletcher, L.N., & Irwin, P.G.J., 2013, *MNRAS*, 436, 2974 [[ADS](#)]

A Measurement of the Turbulence-driven Density Distribution in a Non-star-forming Molecular Cloud

Ginsburg, A., Federrath, C., & Darling, J., 2013, *ApJ*, 779, 50 [[ADS](#)]

The host galaxy of the $z = 2.4$ radio-loud AGN MRC 0406-244 as seen by HST

Hatch, N.A., Röttgering, H.J.A., Miley, G.K., Rigby, E., **De Breuck, C.**, Ford, H., Kuiper, E., Kurk, J.D., Overzier, R.A., & Pentericci, L., 2013, *MNRAS*, 436, 2244 [[ADS](#)]

Cosmological model dependence of the galaxy luminosity function: far-infrared results in the Lemaitre-Tolman-Bondi model

Iribarrem, A., Andreani, P., Grupponi, C., February, S., Ribeiro, M.B., Berta, S., Le Floc'h, E., Magnelli, B., Nordon, R., Popesso, P., Pozzi, F., & Riguccini, L., 2013, *A&A*, 558, 15 [[ADS](#)]

Extragalactic Millimeter-wave Point-source Catalog, Number Counts and Statistics from 771 deg² of the SPT-SZ Survey

Mocanu, L.M., Crawford, T.M., Vieira, J.D., Aird, K.A., **Aravena, M.**, Austermann, J.E., Benson, B.A., Béthermin, M., Bleem, L.E., Bothwell, M., Carlstrom, J.E., Chang, C.L., Chapman, S., Cho, H.-M., Crites, A.T., de Haan, T., Dobbs, M.A., Everett, W.B., George, E.M., Halverson, N.W., Harrington, N., Hezaveh, Y., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Keisler, R., Knox, L., Lee, A.T., Leitch, E.M., Lueker, M., Luong-Van, D., Marrone, D.P., McMahon, J.J., Mehl, J., Meyer, S.S., Mohr, J.J., Montroy, T.E., Natoli, T., Padin, S., Plagge, T., Pryke, C., Rest, A., Reichardt, C.L., Ruhl, J.E., Sayre, J.T., Schaffer, K.K., Shirokoff, E., Spieler, H.G., Spilker, J.S., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K.T., Switzer, E.R., Vanderlinde, K., Williamson, R., 2013, *ApJ*, 779, 61 [[ADS](#)]

The Structural Evolution of Milky-Way-like Star-forming Galaxies since $z \sim 1.3$

Patel, S.G., Fumagalli, M., Franx, M., van Dokkum, P.G., van der Wel, A., Leja, J., Labbé, I., **Brammer, G.**, Skelton, R.E., Momcheva, I., Whitaker, K.E., Lundgren, B., Muzzin, A., Quadri, R.F., Nelson, E.J., Wake, D.A., & Rix, H.-W., 2013, *ApJ*, 778, 115 [[ADS](#)]

On the Source of the Dust Extinction in Type Ia Supernovae and the Discovery of Anomalously Strong Na I Absorption

Phillips, M.M., Simon, J.D., Morrell, N., Burns, C.R., Cox, N.L.J., Foley, R.J., Karakas, A.I., **Patat, F.**, Sternberg, A., Williams, R.E., Gal-Yam, A., Hsiao, E.Y., Leonard, D.C., Persson, S.E., Stritzinger, M., Thompson, I.B., Campillay, A., Contreras, C., Folatelli, G., Freedman, W.L., Hamuy, M., Roth, M., Shields, G.A., Suntzeff, N.B., Chomiuk, L., Ivans, I.I., Madore, B.F., Penprase, B.E., Perley, D., Pignata, G., Preston, G., & Soderberg, A.M., 2013, *ApJ*, 779, 38 [[ADS](#)]

A near-infrared variability campaign of TMR-1: New light on the nature of the candidate protoplanet TMR-1C

Riaz, B., Martín, E.L., **Petr-Gotzens, M.G.**, & Monin, J.-L., 2013, *A&A*, 559, 109 [[ADS](#)]

HST hot-Jupiter transmission spectral survey: evidence for aerosols and lack of TiO in the atmosphere of WASP-12b

Sing, D.K., Lecavelier des Etangs, A., Fortney, J.J., Burrows, A.S., Pont, F., Wakeford, H.R., Ballester, G.E., Nikolov, N., Henry, G.W., Aigrain, S., Deming, D., Evans, T.M., **Gibson, N.P.**, Huitson, C.M., Knutson, H., Showman, A.P., Vidal-Madjar, A., Wilson, P.A., Williamson, M.H., & Zahnle, K., 2013, *MNRAS*, 436, 2956 [[ADS](#)]

The Gemini NICI Planet-Finding Campaign: The Companion Detection Pipeline

Wahhaj, Z., Liu, M.C., Biller, B.A., Nielsen, E.L., Close, L.M., Hayward, T.L., Hartung, M., Chun, M., Ftaclas, C., & Toomey, D.W., 2013, ApJ, 779, 80 [[ADS](#)]

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