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Cosmology

[Amorphous carbon in the disk around the post-AGB binary HR 4049. Discerning dust species with featureless opacity curves](#)

Acke, B., Degroote, P., Lombaert, R., de Vries, B.L., Smolders, K., Verhoelst, T., **Lagadec, E.**, Gielen, C., Van Winckel, H., & Waelkens, C., 2013, A&A, 551, 76 [[ADS](#)]
Instruments: AMBER, AMBER, AMBER, MIDI, VISIR, VISIR

[Proto-groups at \$1.8 < z < 3\$ in the zCOSMOS-deep Sample](#)

Diener, C., Lilly, S.J., Knobel, C., Zamorani, G., Lemson, G., Kampczyk, P., Scoville, N., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fevre, O., **Mainieri, V.**, Renzini, A., Scodreggio, M., Bardelli, S., Bolzonella, M., Bongiorno, A., Caputi, K., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Pello, R., Peng, Y., Perez Montero, E., Presotto, V., Silverman, J., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Zucca, E., Bordoloi, R., Cappi, A., Cimatti, A., Coppa, G., Koekemoer, A.M., López-Sanjuan, C., McCracken, H.J., Moresco, M., Nair, P., Pozzetti, L., Welikala, N., 2013, ApJ, 765, 109 [[ADS](#)]
Instruments: VIMOS

Galaxies and Galactic Nuclei

[Mortality and dust expulsion in early phases of stellar clusters. Evidence from NIR photometry of nearby, spiral galaxies](#)

Grosbøl, P., & Dottori, H., 2013, A&A, 551, L13 [[ADS](#)]
Instruments: HAWK-I

[The Lyman break analogue Haro 11: spatially resolved chemodynamics with VLT FLAMES](#)

James, B.L., **Tsamis, Y.G.**, **Walsh, J.R.**, Barlow, M.J., & **Westmoquette, M.S.**, 2013, MNRAS, 430, 2097 [[ADS](#)]
Instruments: FLAMES-UV

[3.3 \$\mu\$ m PAH observations of the central kiloparsecs of Centaurus A](#)

Tacconi-Garman, L.E., & Sturm, E., 2013, A&A, 551, 139 [[ADS](#)]
Instruments: ISAAC

Interstellar Medium, Star Formation and Planetary Systems

[An irradiated jet in M 17](#)

Comerón, F., Pasquali, A., & Alves de Oliveira, C., 2013, A&A, 552, 30 [[ADS](#)]
Instruments: ISAAC, SOFI

[Pre-main-sequence binaries with tidally disrupted discs: the Bry in HD 104237](#)

García, P.J.V., Benisty, M., Dougados, C., Bacciotti, F., Clausse, J.-M., Massi, F., **Mérand, A.**, Petrov, R., Weigelt, G., 2013, MNRAS, 430, 1839 [[ADS](#)]
Instruments: AMBER, AMBER, AMBER, AMBER, AMBER

[A Hot Uranus Orbiting the Super Metal-rich Star HD 77338 and the Metallicity-Mass Connection](#)

Jenkins, J.S., Jones, H.R.A., Tuomi, M., Murgas, F., Hoyer, S., **Jones, M.I.**, Barnes, J.R., Pavlenko, Y.V., Ivanyuk, O., Rojo, P., Jordán, A., Day-Jones, A.C., Ruiz, M.T., & Pinfield, D.J., 2013, ApJ, 766, 67 [[ADS](#)]
Instruments: HARPS, HARPS, HARPS, HARPS

[The HARPS search for southern extra-solar planets . XXXII. New multi-planet systems in the HARPS volume limited sample: a super-Earth and a Neptune in the habitable zone](#)

Lo Curto, G., Mayor, M., Benz, W., Bouchy, F., Hébrard, G., Lovis, C., Moutou, C., Naef, D., Pepe, F., Queloz, D., Santos, N.C., Segransan, D., & Udry, S., 2013, A&A, 551, 59 [[ADS](#)]
Instruments: HARPS, HARPS, HARPS, HARPS

[Proper motions of USco T-type candidates](#)

Lodieu, N., **Ivanov, V.D.**, & Dobbie, P.D., 2013, MNRAS, 430, 1784 [[ADS](#)]
Instruments: SOFI

[X-shooter spectroscopy of young stellar objects. II. Impact of chromospheric emission on accretion rate estimates](#)

Manara, C.F., Testi, L., Rigliaco, E., Alcalá, J.M., Natta, A., Stelzer, B., Biazzo, K., Covino, E., Covino, S., Cupani, G., D'Elia, V., & Randich, S., 2013, A&A, 551, 107 [[ADS](#)]
Instruments: X-SHOOTER, X-SHOOTER, X-SHOOTER, X-SHOOTER, X-SHOOTER

[Neutral and ionised gas around the post-red supergiant IRC +10 420 at AU size scales](#)

Oudmaijer, R.D., & **de Wit, W.J.**, 2013, A&A, 551, 69 [[ADS](#)]
Instruments: AMBER, AMBER, X-SHOOTER

[Ground-Based Infrared Detections of CO in the Centaur-comet 29P/Schwassmann-Wachmann 1 at 6.26 AU from the Sun](#)

Paganini, L., Mumma, M.J., Boehnhardt, H., DiSanti, M.A., Villanueva, G.L., Bonev, B.P., Lippi, M., **Käufl, H.U.**, & Blake, G.A., 2013, ApJ, 766, 100 [[ADS](#)]
Instruments: CRIRES, CRIRES

[Chemical abundances in Orion protoplanetary discs: integral field spectroscopy and photoevaporation models of HST 10](#)

Tsamis, Y.G., Flores-Fajardo, N., Henney, W.J., **Walsh, J.R.**, & Mesa-Delgado, A., 2013, MNRAS, 430, 3406 [[ADS](#)]
Instruments: FLAMES-GIRAFFE

[A sensitive search for organics \(CH₄, CH₃OH, H₂CO, C₂H₆, C₂H₂, C₂H₄\), hydroperoxyl \(HO₂\), nitrogen compounds \(N₂O, NH₃, HCN\) and chlorine species \(HCl, CH₃Cl\) on Mars using ground-based high-resolution infrared spectroscopy](#)

Villanueva, G.L., Mumma, M.J., Novak, R.E., Radeva, Y.L., **Käufl, H.U.**, **Smette, A.**, Tokunaga, A., Khayat, A., Encrenaz, T., & Hartogh, P., 2013, Icar, 223, 11 [[ADS](#)]
Instruments: CRIRES, CRIRES

[The planet search programme at the ESO CES and HARPS. IV. The search for Jupiter analogues around solar-like stars](#)

Zechmeister, M., Kürster, M., Endl, M., **Lo Curto, G.**, Hartman, H., Nilsson, H., Henning, T., Hatzes, A.P., & Cochran, W.D., 2013, A&A, 552, 78 [[ADS](#)]
Instruments: CES, CES, CES, CES, CES, CES, CES, CES, CES, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS

Stellar Evolution

[VISIR-VLT high-resolution study of the extended emission of four obscured post-AGB candidates](#)

Blanco Cárdenas, M.W., Guerrero, M.A., Ramos-Larios, G., Miranda, L.F., **Lagadec, E.**, Suárez, O., & Gómez, J.F., 2013, A&A, 551, 64 [[ADS](#)]
Instruments: VISIR

[Masses and age of the chemically peculiar double-lined binary \$\gamma\$ Lupi](#)

Le Bouquin, J.-B., Beust, H., Duvert, G., **Berger, J.P.**, & Ménard, F., Zins, G., 2013, A&A, 551, 121 [[ADS](#)]
Instruments: PIONIER

[Limits on intermediate-mass black holes in six Galactic globular clusters with integral-field spectroscopy](#)

Lützgendorf, N., Kissler-Patig, M., Gebhardt, K., Baumgardt, H., Noyola, E., **de Zeeuw, P.T.**, **Neumayer, N.**,

Jalali, B., & **Feldmeier, A.**, 2013, A&A, 552, 49 [[ADS](#)]
Instruments: FLAMES-GIRAFFE, FLAMES-GIRAFFE

[Study of a sample of faint Be stars in the exofield of CoRoT. I. Spectroscopic characterization](#)

Semaan, T., Hubert, A.M., Zorec, J., **Martayan, C.**, Frémat, Y., Gutiérrez-Soto, J., & Fabregat, J., 2013, A&A, 551, 130 [[ADS](#)]
Instruments: FLAMES-GIRAFFE, FLAMES-GIRAFFE, FLAMES-GIRAFFE, FLAMES-GIRAFFE, X-SHOOTER

[Life after eruption - II. The eclipsing old nova V728 Scorpii](#)

Tappert, C., Vogt, N., **Schmidtobreick, L.**, Ederoclite, A., & **Vanderbeke, J.**, 2013, MNRAS, 431, 92 [[ADS](#)]
Instruments: EFOSC2_NTT, EFOSC2_NTT

Miscellaneous

[ALMA Observations of SPT-discovered, Strongly Lensed, Dusty, Star-forming Galaxies](#)

Hezaveh, Y.D., Marrone, D.P., Fassnacht, C.D., Spilker, J.S., Vieira, J.D., Aguirre, J.E., Aird, K.A., **Aravena, M.**, Ashby, M.L.N., Bayliss, M., Benson, B.A., Bleem, L.E., Bothwell, M., Brodwin, M., Carlstrom, J.E., Chang, C.L., Chapman, S.C., Crawford, T.M., Crites, A.T., **De Breuck, C.**, de Haan, T., Dobbs, M.A., Fomalont, E.B., George, E.M., Gladders, M.D., Gonzalez, A.H., Greve, T.R., Halverson, N.W., High, F.W., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Husband, K., Hunter, T.R., Keisler, R., Lee, A.T., Leitch, E.M., Lueker, M., Luong-Van, D., Malkan, M., McIntyre, V., McMahon, J.J., Mehl, J., Menten, K.M., Meyer, S.S., Mocz, L.M., Murphy, E.J., Natoli, T., Padin, S., Plagge, T., Reichardt, C.L., Rest, A., Ruel, J., Ruhl, J.E., Sharon, K., Schaffer, K.K., Shaw, L., Shirokoff, E., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K., Vanderlinde, K., Weiß, A., Welikala, N., & Williamson, R., 2013, ApJ, 767, 132 [[ADS](#)]
Instruments: FORS2, ISAAC, ALMA_Bands, ALMA_Bands

[An ALMA survey of submillimeter galaxies in the Extended Chandra Deep Field South: Source catalog and multiplicity](#)

Hodge, J.A., Karim, A., Smail, I., Swinbank, A.M., Walter, F., **Biggs, A.D.**, Ivison, R.J., Weiss, A., Alexander, D.M., Bertoldi, F., Brandt, W.N., Chapman, S.C., Coppin, K.E.K., Cox, P., Danielson, A.L.R., Dannerbauer, H., **De Breuck, C.**, Decarli, R., Edge, A.C., Greve, T.R., Knudsen, K.K., Menten, K.M., Rix, H.-W., Schinnerer, E., Simpson, J.M., Wardlow, J.L., van der Werf, P., 2013, arXiv, 1304, 4266 [[ADS](#)]
Instruments: ALMA_Bands

[Physical conditions of the gas in an ALMA \[C III\]-identified submillimetre galaxy at \$z = 4.44\$](#)

Huynh, M.T., Norris, R.P., Coppin, K.E.K., Emonts, B.H.C., Ivison, R.J., Seymour, N., Smail, I., **Smolčić, V.**, Swinbank, A.M., Brandt, W.N., Chapman, S.C., Dannerbauer, H., **De Breuck, C.**, Greve, T.R., Hodge, J.A., Karim, A., Knudsen, K.K., Menten, K.M., van der Werf, P.P., Walter, F., & Weiss, A., 2013, MNRAS, 431, L88 [[ADS](#)]
Instruments: ALMA_Bands

[Variations in the fundamental constants in the QSO host J1148+5251 at \$z = 6.4\$ and the BR1202-0725 system at \$z = 4.7\$](#)

Lentati, L., Carilli, C., Alexander, P., Maiolino, R., Wang, R., Cox, P., Downes, D., McMahon, R., Menten, K.M., Neri, R., Riechers, D., **Wagg, J.**, Walter, F., & Wolfe, A., 2013, MNRAS, 430, 2454 [[ADS](#)]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

[ALMA Redshifts of Millimeter-selected Galaxies from the SPT Survey: The Redshift Distribution of Dusty Star-forming Galaxies](#)

Weiß, A., **De Breuck, C.**, Marrone, D.P., Vieira, J.D., Aguirre, J.E., Aird, K.A., **Aravena, M.**, Ashby, M.L.N., Bayliss, M., Benson, B.A., Béthermin, M., **Biggs, A.D.**, Bleem, L.E., Bock, J.J., Bothwell, M., Bradford, C.M., Brodwin, M., Carlstrom, J.E., Chang, C.L., Chapman, S.C., Crawford, T.M., Crites, A.T., de Haan, T., Dobbs, M.A., Downes, T.P., Fassnacht, C.D., George, E.M., Gladders, M.D., Gonzalez, A.H., Greve, T.R., Halverson, N.W., Hezaveh, Y.D., High, F.W., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Husband, K., Keisler, R., Lee, A.T., Leitch, E.M., Lueker, M., Luong-Van, D., Malkan, M., McIntyre, V., McMahon, J.J., Mehl, J., Menten, K.M., Meyer, S.S., Murphy, E.J., Padin, S., Plagge, T., Reichardt, C.L., Rest, A., Rosenman, M., Ruel, J., Ruhl, J.E., Schaffer, K.K., Shirokoff, E., Spilker, J.S., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K., Vanderlinde, K., Welikala, N., & Williamson, R., 2013, ApJ, 767, 88 [[ADS](#)]
Instruments: FORS2, LABOCA, SABOCA, SABOCA, ALMA_Bands, Z-Spec, Z-Spec

Papers without ESO data

Transit timing variations in WASP-10b induced by stellar activity

Barros, S.C.C., Boué, G., **Gibson, N.P.**, Pollacco, D.L., Santerne, A., Keenan, F.P., Skillen, I., & Street, R.A., 2013, MNRAS, 430, 3032 [[ADS](#)]

Panchromatic spectral energy distributions of Herschel sources***

Berta, S., Lutz, D., Santini, P., Wuyts, S., Rosario, D., Brisbin, D., Cooray, A., Franceschini, A., Gruppioni, C., **Hatziminaoglou, E.**, Hwang, H.S., Le Floc'h, E., Magnelli, B., Nordon, R., Oliver, S., Page, M.J., Popesso, P., Pozzetti, L., Pozzi, F., Riguccini, L., Rodighiero, G., Roseboom, I., Scott, D., Symeonidis, M., Valtchanov, I., Viero, M., & Wang, L., 2013, A&A, 551, 100 [[ADS](#)]

The Kinematics and Ionization of Nuclear Gas Clouds in Centaurus A

Bicknell, G.V., Sutherland, R.S., & **Neumayer, N.**, 2013, ApJ, 766, 36 [[ADS](#)]

Formation of the compact jets in the black hole GX 339-4

Corbel, S., Aussel, H., Broderick, J.W., Chaniai, P., Coriat, M., **Maury, A.J.**, Buxton, M.M., Tomsick, J.A., Tzioumis, A.K., Markoff, S., Rodriguez, J., Bailyn, C.D., Brocksopp, C., Fender, R.P., Petrucci, P.O., Cadolle-Bel, M., Calvelo, D., & Harvey-Smith, L., 2013, MNRAS, 431, L107 [[ADS](#)]

Two-phase galaxy evolution: the cosmic star formation histories of spheroids and discs

Driver, S.P., Robotham, A.S.G., Bland-Hawthorn, J., Brown, M., Hopkins, A., **Liske, J.**, Phillipps, S., & Wilkins, S., 2013, MNRAS, 430, 2622 [[ADS](#)]

The Luminosities of Protostars in the Spitzer c2d and Gould Belt Legacy Clouds

Dunham, M.M., Arce, H.G., Allen, L.E., Evans, N.J.I., Broekhoven-Fiene, H., Chapman, N.L., Cieza, L.A., Gutermuth, R.A., Harvey, P.M., Hatchell, J., Huard, T.L., Kirk, J.M., Matthews, B.C., Merín, B., Miller, J.F., Peterson, D.E., & **Spezzi, L.**, 2013, AJ, 145, 94 [[ADS](#)]

GAMA/H-ATLAS: The Dust Opacity-Stellar Mass Surface Density Relation for Spiral Galaxies

Grootes, M.W., Tuffs, R.J., Popescu, C.C., Pastrav, B., Andrae, E., Gunawardhana, M., Kelvin, L.S., **Liske, J.**, Seibert, M., Taylor, E.N., Graham, A.W., Baes, M., Baldry, I.K., Bourne, N., Brough, S., Cooray, A., Dariush, A., De Zotti, G., Driver, S.P., Dunne, L., Gomez, H., Hopkins, A.M., Hopwood, R., Jarvis, M., Loveday, J., Maddox, S., Madore, B.F., Michałowski, M.J., Norberg, P., Parkinson, H.R., Prescott, M., Robotham, A.S.G., Smith, D.J.B., Thomas, D., & Valiante, E., 2013, ApJ, 766, 59 [[ADS](#)]

MAXI J1659-152: the shortest orbital period black-hole transient in outburst

Kuulkers, E., Kouveliotou, C., Belloni, T., Cadolle Bel, M., Chenevez, J., **Díaz Trigo, M.**, Homan, J., Ibarra, A., Kennea, J.A., Muñoz-Darias, T., Ness, J.-U., Parmar, A.N., Pollock, A.M.T., van den Heuvel, E.P.J., van der Horst, A.J., 2013, A&A, 552, 32 [[ADS](#)]

The Chandra-COSMOS survey - IV. X-ray spectra of the bright sample

Lanzuisi, G., Civano, F., Elvis, M., Salvato, M., Hasinger, G., Vignali, C., Zamorani, G., Aldcroft, T., Brusa, M., Comastri, A., Fiore, F., Fruscione, A., Gilli, R., Ho, L.C., **Mainieri, V.**, Merloni, A., & Siemiginowska, A., 2013, MNRAS, 431, 978 [[ADS](#)]

The Very Large Array 1.4 GHz Survey of the Extended Chandra Deep Field South: Second Data Release

Miller, N.A., **Bonzini, M.**, Fomalont, E.B., Kellermann, K.I., **Mainieri, V.**, **Padovani, P.**, **Rosati, P.**, Tozzi, P., & Vattakunnel, S., 2013, ApJS, 205, 13 [[ADS](#)]

The 2011 Periastron Passage of the Be Binary δ Scorpii

Miroshnichenko, A.S., Pasechnik, A.V., Manset, N., Carciofi, A.C., **Rivinius, T.**, **Štefl, S.**, Gvaramadze, V.V., Ribeiro, J., Fernando, A., Garrel, T., Knapen, J.H., Bull, C., Heathcote, B., Pollmann, E., Mauclaire, B., Thizy, O., Martin, J., Zharikov, S.V., Okazaki, A.T., Gandet, T.L., Eversberg, T., & Reinecke, N., 2013, ApJ, 766, 119 [[ADS](#)]

Mass-metallicity relation from $z = 5$ to the present: evidence for a transition in the mode of galaxy growth at $z = 2.6$ due to the end of sustained primordial gas infall

Møller, P., Fynbo, J.P.U., **Ledoux, C.**, & **Nilsson, K.K.**, 2013, MNRAS, 430, 2680 [[ADS](#)]

Confronting Cold Dark Matter Predictions with Observed Galaxy Rotations

Obreschkow, D., Ma, X., Meyer, M., Power, C., **Zwaan, M.**, Staveley-Smith, L., & Drinkwater, M.J., 2013, ApJ, 766, 137 [[ADS](#)]

On the shape of the mass-function of dense clumps in the Hi-GAL fields . I. Spectral energy distribution determination and global properties of the mass-functions

Olmí, L., Anglés-Alcázar, D., Elia, D., Molinari, S., Montier, L., Pestalozzi, M., Pezzuto, S., Polychroni, D., Ristorcelli, I., Rodon, J., Schisano, E., Smith, M.D., **Testi, L.**, & Thompson, M., 2013, A&A, 551, 111 [[ADS](#)]

The planetary nebulae population in the nuclear regions of M31: the SAURON view

Pastorello, N., Sarzi, M., Cappellari, M., **Emsellem, E.**, Mamon, G.A., Bacon, R., Davies, R.L., & **de Zeeuw, P.T.**, 2013, MNRAS, 430, 1219 [[ADS](#)]

Water Vapor in the Protoplanetary Disk of DG Tau

Podio, L., Kamp, I., Codella, C., Cabrit, S., Nisini, B., Dougados, C., Sandell, G., Williams, J.P., **Testi, L.**, Thi, W.-F., Woitke, P., Meijerink, R., Spaans, M., Aresu, G., Ménard, F., Pinte, C., 2013, ApJ, 766, L5 [[ADS](#)]

Flux and color variations of the doubly imaged quasar UM673*

Ricci, D., Elyiv, A., Finet, F., Wertz, O., Alsubai, K., Anguita, T., Bozza, V., Browne, P., Burgdorf, M., Calchi Novati, S., Dodds, P., Dominik, M., Dreizler, S., Gerner, T., Glittrup, M., Grundahl, F., Hardis, S., Harpsøe, K., Hinse, T.C., Hornstrup, A., Hundertmark, M., Jørgensen, U.G., Kains, N., Kerins, E., Liebig, C., Maier, G., Mancini, L., Masi, G., Mathiasen, M., Penny, M., Proft, S., Rahvar, S., Scarpetta, G., Sahu, K., Schäfer, S., Schönebeck, F., Schmidt, R., Skottfelt, J., **Snodgrass, C.**, Southworth, J., Thöne, C.C., Wambsganss, J., Zimmer, F., Zub, M., & Surdej, J., 2013, A&A, 551, 104 [[ADS](#)]

Unveiling the σ -discrepancy. II. Revisiting the Evolution of ULIRGs and the Origin of Quasars

Rothberg, B., Fischer, J., **Rodrigues, M.**, & Sanders, D.B., 2013, ApJ, 767, 72 [[ADS](#)]

How does star formation proceed in the circumnuclear starburst ring of NGC 6951?

van der Laan, T.P.R., Schinnerer, E., **Emsellem, E.**, Hunt, L.K., McDermid, R.M., & Liu, G., 2013, A&A, 551, 81 [[ADS](#)]

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