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Cosmology

[Fundamental constants and high-resolution spectroscopy](#)

Bonifacio, P., Rahmani, H., Whitmore, J.B., Wendt, M., Centurion, M., Molaro, P., Srianand, R., Murphy, M.T., Petitjean, P., Agafonova, I.I., **D'Odorico, S.**, Evans, T.M., Levshakov, S.A., Lopez, S., Martins, C.J.A.P., Reimers, D., & Vladilo, G., 2014, AN, 335, 83 [[ADS](#)]

Instruments: UVES

[Cold gas dynamics in Hydra-A: evidence for a rotating disc](#)

Hamer, S.L., Edge, A.C., Swinbank, A.M., Oonk, J.B.R., Mittal, R., McNamara, B.R., Russell, H.R., Bremer, M.N., Combes, F., Fabian, A.C., Nesvadba, N.P.H., O'Dea, C.P., Baum, S.A., Salomé, P., **Tremblay, G.**, Donahue, M., Ferland, G.J., & Sarazin, C.L., 2014, MNRAS, 437, 862 [[ADS](#)]

Instruments: SINFONI, VIMOS

[zCOSMOS 20k: satellite galaxies are the main drivers of environmental effects in the galaxy population at least to \$z \sim 0.7\$](#)

Kovač, K., Lilly, S.J., Knobel, C., Bschorr, T.J., Peng, Y., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fèvre, O., **Mainieri, V.**, Renzini, A., Scodeggio, M., Zamorani, G., Bardelli, S., Bolzonella, M., Bongiorno, A., Caputi, K., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kampczyk, P., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Oesch, P., Pello, R., Montero, E.P., Presotto, V., Silverman, J., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Zucca, E., Aussel, H., Koekemoer, A.M., Le Floc'h, E., Moresco, M., Pozzetti, L., 2014, MNRAS, 438, 717 [[ADS](#)]

Instruments: VIMOS

[Multi-wavelength SEDs of Herschel-selected Galaxies in the COSMOS Field](#)

Lee, N., Sanders, D.B., Casey, C.M., Scoville, N.Z., Hung, C.-L., Le Floc'h, E., Ilbert, O., Aussel, H., Capak, P., Kartaltepe, J.S., Roseboom, I., Salvato, M., **Aravena, M.**, Berta, S., Bock, J., Oliver, S.J., Riguccini, L., Symeonidis, M., 2013, ApJ, 778, 131 [[ADS](#)]

Instruments: VIRCAM

[The incidence of obscuration in active galactic nuclei](#)

Merloni, A., Bongiorno, A., Brusa, M., Iwasawa, K., **Mainieri, V.**, Magnelli, B., Salvato, M., Berta, S., Cappelluti, N., Comastri, A., Fiore, F., Gilli, R., Koekemoer, A., Le Floc'h, E., Lusso, E., Lutz, D., Miyaji, T., Pozzi, F., Riguccini, L., Rosario, D.J., Silverman, J., Symeonidis, M., Treister, E., Vignali, C., & Zamorani, G., 2014, MNRAS, 437, 3550 [[ADS](#)]

Instruments: VIMOS

[On-sky characterisation of the VISTA NB118 narrow-band filters at 1.19 \$\mu\text{m}\$](#)

Milvang-Jensen, B., **Freudling, W.**, Zabl, J., Fynbo, J.P.U., **Møller, P.**, **Nilsson, K.K.**, McCracken, H.J., Hjorth, J., Le Fèvre, O., Tasca, L., Dunlop, J.S., & Sobral, D., 2013, A&A, 560, 94 [[ADS](#)]

Instruments: VIMOS, XSHOOTER, VIRCAM, VIRCAM, VIRCAM

[The mean star-forming properties of QSO host galaxies](#)

Rosario, D.J., Trakhtenbrot, B., Lutz, D., Netzer, H., Trump, J.R., Silverman, J.D., Schramm, M., Lusso, E., Berta, S., Bongiorno, A., Brusa, M., Förster-Schreiber, N.M., Genzel, R., Lilly, S., Magnelli, B., **Mainieri, V.**, Maiolino, R., Merloni, A., Mignoli, M., Nordon, R., Popesso, P., Salvato, M., Santini, P., Tacconi, L.J., & Zamorani, G., 2013, A&A, 560, 72 [[ADS](#)]

Instruments: VIMOS

[The Progenitors of the Compact Early-type Galaxies at High Redshift](#)

Williams, C.C., Giavalisco, M., Cassata, P., Tundo, E., **Wiklind, T.**, Guo, Y., Lee, B., Barro, G., Wuyts, S., Bell, E.F.,

Conselice, C.J., Dekel, A., Faber, S.M., Ferguson, H.C., Grogin, N., Hathi, N., Huang, K.-H., Kocevski, D., Koekemoer, A., Koo, D.C., Ravindranath, S., Salimbeni, S., 2014, ApJ, 780, 1 [[ADS](#)]
Instruments: ISAAC, ISAAC, ISAAC, ISAAC, ISAAC, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS, VIMOS

Galaxies and Galactic Nuclei

[The Gaia-ESO Survey: Reevaluation of the parameters of the open cluster Trumpler 20 using photometry and spectroscopy](#)

Donati, P., Cantat Gaudin, T., Bragaglia, A., Friel, E., Magrini, L., **Smiljanic, R.**, Vallenari, A., Tosi, M., Sordo, R., Tautvaišienė, G., Blanco-Cuadros, S., Costado, M.T., Geisler, D., Klutsch, A., Mowlavi, N., Muñoz, C., San Roman, I., Zaggia, S., Gilmore, G., Randich, S., Bensby, T., Flaccomio, E., Koposov, S.E., Korn, A.J., Pancino, E., Recio-Blanco, A., Franciosini, E., de Laverny, P., Lewis, J., Morbidelli, L., Prisinzano, L., Sacco, G., Worley, C.C., Hourihane, A., Jofré, P., Lardo, C., & Maiorca, E., 2014, A&A, 561, 94 [[ADS](#)]
Instruments: UVES, GIRAFFE, GIRAFFE, FLAMES

[Discovery of new companions to high proper motion stars from the VVV Survey](#)

Ivanov, V.D., Minniti, D., Hempel, M., Kurtev, R., Toledo, I., Saito, R.K., Alonso-García, J., Beamín, J.C., Borissova, J., Catelan, M., Chené, A.-N., Emerson, J., **González, Ó.A.**, Lucas, P.W., Martín, E.L., **Rejkuba, M.**, Gromadzki, M., 2013, A&A, 560, 21 [[ADS](#)]
Instruments: SOFI, SOFI, VIRCAM

[The VMC Survey - X. Cepheids, RR Lyrae stars and binaries as probes of the Magellanic System's structure](#)

Moretti, M.I., Clementini, G., Muraveva, T., Ripepi, V., Marquette, J.B., Cioni, M.-R.L., Marconi, M., Girardi, L., Rubele, S., Tisserand, P., de Grijs, R., Groenewegen, M.A.T., Guandalini, R., **Ivanov, V.D.**, van Loon, J.T., 2014, MNRAS, 437, 2702 [[ADS](#)]
Instruments: VIRCAM

[The VMC Survey - VIII. First results for anomalous Cepheids](#)

Ripepi, V., Marconi, M., Moretti, M.I., Clementini, G., Cioni, M.-R.L., de Grijs, R., Emerson, J.P., Groenewegen, M.A.T., **Ivanov, V.D.**, Oliveira, J.M., 2014, MNRAS, 437, 2307 [[ADS](#)]
Instruments: VIRCAM

Interstellar Medium, Star Formation and Planetary Systems

[Searching for companions down to 2 AU from \$\beta\$ Pictoris using the L'-band AGPM coronagraph on VLT/NACO](#)

Absil, O., **Milli, J.**, **Mawet, D.**, Lagrange, A.-M., **Girard, J.**, Chauvin, G., Boccaletti, A., Delacroix, C., Surdej, J., 2013, A&A, 559, L12 [[ADS](#)]
Instruments: NACO

[X-shooter spectroscopy of young stellar objects. IV. Accretion in low-mass stars and substellar objects in Lupus](#)

Alcalá, J.M., Natta, A., **Manara, C.F.**, **Spezzi, L.**, Stelzer, B., Frasca, A., Biazzo, K., Covino, E., Randich, S., Rigliaco, E., **Testi, L.**, **Comerón, F.**, Cupani, G., & D'Elia, V., 2014, A&A, 561, 2 [[ADS](#)]
Instruments: XSHOOTER, XSHOOTER, XSHOOTER, XSHOOTER, XSHOOTER

[A UV-to-MIR Monitoring of DR Tau: Exploring How Water Vapor in the Planet Formation Region is Affected by Stellar Accretion Variability](#)

Banzatti, A., Meyer, M.R., **Manara, C.F.**, Pontoppidan, K.M., & **Testi, L.**, 2014, ApJ, 780, 26 [[ADS](#)]
Instruments: VISIR, XSHOOTER

[Possible astrometric discovery of a substellar companion to the closest binary brown dwarf system WISE J104915.57-531906.1](#)

Boffin, H.M.J., Pourbaix, D., **Mužić, K.**, **Ivanov, V.D.**, Kurtev, R., Beletsky, Y., **Mehner, A.**, **Berger, J.P.**, **Girard, J.H.**, & **Mawet, D.**, 2014, A&A, 561, L4 [[ADS](#)]
Instruments: FORS2

[Three planetary companions around M 67 stars](#)

Brucalassi, A., **Pasquini, L.**, Saglia, R., Ruiz, M.T., Bonifacio, P., Bedin, L.R., Biazzo, K., **Melo, C.**, Lovis, C., &

Randich, S., 2014, A&A, 561, L9 [[ADS](#)]
Instruments: HARPS, HARPS, HARPS, HARPS, HARPS, HARPS

[HD 161701, a chemically peculiar binary with a HgMn primary and an Ap secondary](#)

González, J.F., Saffe, C., Castelli, F., Hubrig, S., Ilyin, I., **Schöller, M.**, Carroll, T.A., Leone, F., & Giarrusso, M., 2014, A&A, 561, 63 [[ADS](#)]
Instruments: FEROS, FEROS, HARPS, CRIRES

[The unusual afterglow of the gamma-ray burst 100621A](#)

Greiner, J., Krühler, T., Nardini, M., Filgas, R., Moin, A., **de Breuck, C.**, **Montenegro-Montes, F.**, Lundgren, A., Klose, S., fonso, P.M.J., Bertoldi, F., Elliott, J., Kann, D.A., Knust, F., Menten, K., Nicuesa Guelbenzu, A., Olivares E., F., Rau, A., Rossi, A., Schady, P., Schmidl, S., **Siringo, G.**, **Spezzi, L.**, Sudilovsky, V., Tingay, S.J., Updike, A.C., Wang, Z., Weiss, A., Wieringa, M., & Wyrowski, F., 2013, A&A, 560, 70 [[ADS](#)]
Instruments: SOFI, LABOCA, VIS_GROND

[CO ro-vibrational lines in HD 100546. A search for disc asymmetries and the role of fluorescence](#)

Hein Bertelsen, R.P., Kamp, I., Goto, M., van der Plas, G., Thi, W.-F., Waters, L.B.F.M., **van den Ancker, M.E.**, Woitke, P., 2014, A&A, 561, 102 [[ADS](#)]
Instruments: NACO, CRIRES

[Radial velocity variations in the young eruptive star EX Lupi](#)

Kóspál, Á., Mohler-Fischer, M., Sicilia-Aguilar, A., Ábrahám, P., Curé, M., Henning, T., Kiss, C., Launhardt, R., Moór, A., & **Müller, A.**, 2014, A&A, 561, 61 [[ADS](#)]
Instruments: HARPS, HARPS, HARPS

[Refined masses and distance of the young binary Haro 1-14 C](#)

Le Bouquin, J.-B., Monin, J.-L., **Berger, J.-P.**, Prato, L., Benisty, M., Schaefer, G., 2014, A&A, 561, 101 [[ADS](#)]
Instruments: PIONIER

[Stellar clusters in the inner Galaxy and their correlation with cold dust emission](#)

Morales, E.F.E., Wyrowski, F., **Schuller, F.**, & Menten, K.M., 2013, A&A, 560, 76 [[ADS](#)]
Instruments: LABOCA, LABOCA, LABOCA, LABOCA, LABOCA

[Confirmation of the Planet around HD 95086 by Direct Imaging](#)

Rameau, J., Chauvin, G., Lagrange, A.-M., Meshkat, T., Boccaletti, A., Quanz, S.P., Currie, T., **Mawet, D.**, **Girard, J.H.**, Bonnefoy, M., Kenworthy, M., 2013, ApJ, 779, L26 [[ADS](#)]
Instruments: NACO

[Dust in the diffuse interstellar medium. Extinction, emission, linear and circular polarisation](#)

Siebenmorgen, R., Voshchinnikov, N.V., & Bagnulo, S., 2014, A&A, 561, 82 [[ADS](#)]
Instruments: FORS2

[Gas lines from the 5-Myr old optically thin disk around HD 141569A . Herschel observations and modeling](#)

Thi, W.-F., Pinte, C., Pantin, E., Augereau, J.C., Meeus, G., Ménard, F., Martin-Zaïdi, C., Woitke, P., Riviere-Marichalar, P., Kamp, I., Carmona, A., Sandell, G., Eiroa, C., **Dent, W.**, Montesinos, B., Aresu, G., Meijerink, R., Spaans, M., White, G., Ardila, D., Lebreton, J., & Mendigutía, I., Brittain, S., 2014, A&A, 561, 50 [[ADS](#)]
Instruments: VISIR

Stellar Evolution

[TOPoS. I. Survey design and analysis of the first sample](#)

Caffau, E., Bonifacio, P., Sbordone, L., François, P., **Monaco, L.**, Spite, M., Plez, B., Cayrel, R., Christlieb, N., Clark, P., Glover, S., Klessen, R., Koch, A., Ludwig, H.-G., Spite, F., Steffen, M., Zaggia, S., 2013, A&A, 560, 71 [[ADS](#)]
Instruments: UVES, XSHOOTER

[The close environment of high-mass X-ray binaries at high angular resolution. I. VLT/AMBER and VLT/PIONIER near-infrared interferometric observations of Vela X-1](#)

Choquet, É., Kervella, P., Le Bouquin, J.-B., **Mérand, A.**, **Berger, J.-P.**, Haubois, X., Perrin, G., Petrucci, P.-O.,

Lazareff, B., Pott, J.-U., 2014, A&A, 561, 46 [[ADS](#)]
Instruments: AMBER, PIONIER

[Infrared identification of high-mass X-ray binaries discovered by INTEGRAL](#)

Coleiro, A., Chaty, S., Zurita Heras, J.A., **Rahoui, F.**, & Tomsick, J.A., 2013, A&A, 560, 108 [[ADS](#)]
Instruments: SOFI, SOFI

[Combined analysis of Hubble and VLT photometry of the intermediate mass black hole ESO 243-49 HLX-1](#)

Farrell, S.A., Servillat, M., Gladstone, J.C., Webb, N.A., Soria, R., Maccarone, T.J., Wiersema, K., **Hau, G.K.T.**, Pforr, J., Hakala, P.J., Knigge, C., Barret, D., Maraston, C., & Kong, A.K.H., 2014, MNRAS, 437, 1208 [[ADS](#)]
Instruments: FORS2

[Multiplicity of Galactic Cepheids from long-baseline interferometry. II. The Companion of AX Circini revealed with VLT/I PIONIER](#)

Gallenne, A., **Mérand, A.**, Kervella, P., **Breitfelder, J.**, Le Bouquin, J.-B., Monnier, J.D., Gieren, W., Pilecki, B., Pietrzyński, G., 2014, A&A, 561, L3 [[ADS](#)]
Instruments: PIONIER

[HARPS spectropolarimetry of Herbig Ae/Be stars](#)

Hubrig, S., Ilyin, I., **Schöller, M.**, & **Lo Curto, G.**, 2013, AN, 334, 1093 [[ADS](#)]
Instruments: HARPS, HARPS

[New insights into the dust formation of oxygen-rich AGB stars](#)

Karovicova, I., **Wittkowski, M.**, Ohnaka, K., Boboltz, D.A., Fossat, E., & Scholz, M., 2013, A&A, 560, 75 [[ADS](#)]
Instruments: AMBER, AMBER, AMBER, MIDI, MIDI, MIDI, MIDI, MIDI

[SALT reveals the barium central star of the planetary nebula Hen 2-39](#)

Miszalski, B., **Boffin, H.M.J.**, **Jones, D.**, Karakas, A.I., Köppen, J., **Tyndall, A.A.**, Mohamed, S.S., Rodríguez-Gil, P., & Santander-García, M., 2013, MNRAS, 436, 3068 [[ADS](#)]
Instruments: FORS2, EFOSC2

[The ionized nebula surrounding the red supergiant W26 in Westerlund 1](#)

Wright, N.J., **Wesson, R.**, Drew, J.E., Barentsen, G., Barlow, M.J., **Walsh, J.R.**, Zijlstra, A., Drake, J.J., Eisloffel, J., & Farnhill, H.J., 2014, MNRAS, 437, L1 [[ADS](#)]
Instruments: FORS2, OmegaCAM_notyetpublic

Miscellaneous

Isotope spectroscopy

Caffau, E., Steffen, M., Bonifacio, P., Ludwig, H.-G., **Monaco, L.**, **Lo Curto, G.**, Kamp, I., 2014, AN, 335, 59 [[ADS](#)]
Instruments: HARPS, HARPS

Silicon isotopic abundance toward evolved stars and its application for presolar grains

Peng, T.-C., **Humphreys, E.M.L.**, **Testi, L.**, Baudry, A., **Wittkowski, M.**, Rawlings, M.G., **de Gregorio-Monsalvo, I.**, Vlemmings, W., **Nyman, L.-A.**, Gray, M.D., **de Breuck, C.**, 2013, A&A, 559, L8 [[ADS](#)]

[An ALMA Survey of Sub-millimeter Galaxies in the Extended Chandra Deep Field South: Sub-millimeter Properties of Color-selected Galaxies](#)

Decarli, R., Smail, I., Walter, F., Swinbank, A.M., Chapman, S., Coppin, K.E.K., **Cox, P.**, Dannerbauer, H., Greve, T.R., Hodge, J.A., Ivison, R., Karim, A., Knudsen, K.K., Lindroos, L., Rix, H.-W., Schinnerer, E., Simpson, J.M., van der Werf, P., Weiß, A., 2014, ApJ, 780, 115 [[ADS](#)]
Instruments: VIMOS, LABOCA, LABOCA, LABOCA, LABOCA, ALMA_Bands

[ALMA observations of cool dust in a low-metallicity starburst, SBS 0335-052](#)

Hunt, L.K., **Testi, L.**, Casasola, V., García-Burillo, S., Combes, F., Nikutta, R., Caselli, P., Henkel, C., Maiolino, R., Menten, K.M., Sauvage, M., & Weiss, A., 2014, A&A, 561, 49 [[ADS](#)]
Instruments: ALMA_Bands

Papers without ESO data

NGC 1266 as a Local Candidate for Rapid Cessation of Star Formation

Alatalo, K., Nyland, K., Graves, G., Deustua, S., Shapiro Griffin, K., Duc, P.-A., Cappellari, M., McDermid, R.M., **Davis, T.A.**, Crocker, A.F., Young, L.M., Chang, P., Scott, N., Cales, S.L., Bayet, E., Blitz, L., Bois, M., Bournaud, F., Bureau, M., Davies, R.L., **de Zeeuw, P.T.**, **Emsellem, E.**, Khochfar, S., Krajnović, D., **Kuntschner, H.**, Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Serra, P., Weijmans, A.-M., 2014, ApJ, 780, 186 [[ADS](#)]

Galaxy And Mass Assembly (GAMA): the large-scale structure of galaxies and comparison to mock universes

Alpaslan, M., Robotham, A.S.G., Driver, S., Norberg, P., Baldry, I., Bauer, A.E., Bland-Hawthorn, J., Brown, M., Cluver, M., Colless, M., Foster, C., Hopkins, A., **Van Kampen, E.**, Kelvin, L., Lara-Lopez, M.A., **Liske, J.**, Lopez-Sanchez, A.R., Loveday, J., McNaught-Roberts, T., Merson, A., & Pimbblet, K., 2014, MNRAS, 438, 177 [[ADS](#)]

H α photometry of low-mass stars in 47 Tucanae: chromospheric activity and exotica

Beccari, G., De Marchi, G., Panagia, N., & **Pasquini, L.**, 2014, MNRAS, 437, 2621 [[ADS](#)]

Galaxy And Mass Assembly (GAMA): improved cosmic growth measurements using multiple tracers of large-scale structure

Blake, C., Baldry, I.K., Bland-Hawthorn, J., Christodoulou, L., Colless, M., Conselice, C., Driver, S.P., Hopkins, A.M., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J.A., Poole, G.B., & Robotham, A.S.G., 2013, MNRAS, 436, 3089 [[ADS](#)]

The sub-mJy radio sky in the Extended Chandra Deep Field-South: source population

Bonzini, M., **Padovani, P.**, **Mainieri, V.**, Kellermann, K.I., Miller, N., **Rosati, P.**, Tozzi, P., & Vattakunnel, S., 2013, MNRAS, 436, 3759 [[ADS](#)]

Dust-to-metal ratios in damped Lyman- α absorbers. Fresh clues to the origins of dust and optical extinction towards γ -ray bursts

De Cia, A., **Ledoux, C.**, Savaglio, S., Schady, P., & Vreeswijk, P.M., 2013, A&A, 560, 88 [[ADS](#)]

Flickering of 1.3 cm Sources in Sgr B2: Toward a Solution to the Ultracompact H II Region Lifetime Problem

De Pree, C.G., Peters, T., Mac Low, M.M., Wilner, D.J., Goss, W.M., **Galván-Madrid, R.**, Keto, E.R., Klessen, R.S., Monsrud, A., 2014, ApJ, 781, L36 [[ADS](#)]

Self-consistent physical parameters for five intermediate-age SMC stellar clusters from CMD modelling

Dias, B., Kerber, L.O., Barbuy, B., Santiago, B., Ortolani, S., & Balbinot, E., 2014, A&A, 561, 106 [[ADS](#)]

NGC 1817, NGC 2141 and Berkeley 81: three BOCCE clusters of intermediate age

Donati, P., **Beccari, G.**, Bragaglia, A., Cignoni, M., & Tosi, M., 2014, MNRAS, 437, 1241 [[ADS](#)]

HerMES: Candidate High-redshift Galaxies Discovered with Herschel/SPIRE

Dowell, C.D., Conley, A., Glenn, J., Arumugam, V., Asboth, V., Aussel, H., Bertoldi, F., Béthermin, M., Bock, J., Boselli, A., Bridge, C., Buat, V., Burgarella, D., Cabrera-Lavers, A., Casey, C.M., Chapman, S.C., Clements, D.L., Conversi, L., Cooray, A., Dannerbauer, H., De Bernardis, F., Ellsworth-Bowers, T.P., Farrah, D., Franceschini, A., Griffin, M., Gurwell, M.A., Halpern, M., **Hatziminaoglou, E.**, Heinis, S., Ibar, E., Ivison, R.J., Laporte, N., Marchetti, L., Martínez-Navajas, P., Marsden, G., Morrison, G.E., Nguyen, H.T., O'Halloran, B., Oliver, S.J., Omont, A., Page, M.J., Papageorgiou, A., Pearson, C.P., Petitpas, G., Pérez-Fournon, I., Pohlen, M., Riechers, D., Rigopoulou, D., Roseboom, I.G., Rowan-Robinson, M., Sayers, J., Schulz, B., Scott, D., Seymour, N., Shupe, D.L., Smith, A.J., Streblyanska, A., Symeonidis, M., Vaccari, M., Valtchanov, I., Vieira, J.D., Viero, M., Wang, L., Wardlow, J., Xu, C.K., & Zemcov, M., 2014, ApJ, 780, 75 [[ADS](#)]

Embedded Star Formation in S4G Galaxy Dust Lanes

Elmegreen, D.M., Elmegreen, B.G., Erroz-Ferrer, S., Knapen, J.H., Teich, Y., Popinchalk, M., Athanassoula, E., Bosma, A., Comerón, S., Efremov, Y.N., **Gadotti, D.A.**, Gil de Paz, A., Hinz, J.L., Ho, L.C., Holwerda, B., **Kim, T.**, Laine, J., Laurikainen, E., Menéndez-Delmestre, K., Mizusawa, T., Muñoz-Mateos, J.-C., Regan, M.W., Salo, H., Seibert, M., Sheth, K., 2014, ApJ, 780, 32 [[ADS](#)]

Potential multi-component structure of the debris disk around HIP 17439 revealed by Herschel/DUNES

Ertel, S., Marshall, J.P., Augereau, J.-C., Krivov, A.V., Löhne, T., Eiroa, C., Mora, A., del Burgo, C., Montesinos, B., Bryden, G., Danchi, W., Kirchschlager, F., Liseau, R., Maldonado, J., Pilbratt, G.L., Schüppler, C., Thébault, P., White, G.J., Wolf, S., 2014, A&A, 561, 114 [[ADS](#)]

MOA-2010-BLG-328Lb: A Sub-Neptune Orbiting very Late M Dwarf?

Furusawa, K., Udalski, A., Sumi, T., Bennett, D.P., Bond, I.A., Gould, A., Jørgensen, U.G., **Snodgrass, C.**, Dominis Prester, D., Albrow, M.D., Abe, F., Botzler, C.S., Chote, P., Freeman, M., Fukui, A., Harris, P., Itow, Y., Ling, C.H., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Ohnishi, K., Rattenbury, N.J., Saito, T., Sullivan, D.J., Suzuki, D., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., The MOA Collaboration, T.M.C., Szymański, M.K., Soszyński, I., Kubiak, M., Poleski, R., Ulaczyk, K., Pietrzyński, G., Wyrzykowski, Ł., The OGLE Collaboration, T.O.C., Choi, J.-Y., Christie, G.W., DePoy, D.L., Dong, S., Drummond, J., Gaudi, B.S., Han, C., Hung, L.-W., Hwang, K.-H., Lee, C.-U., McCormick, J., Moorhouse, D., Natusch, T., Nola, M., Ofek, E., Pogge, R.W., Shin, I.-G., Skowron, J., Thornley, G., Yee, J.C., The μ FUN Collaboration, T. μ C., Alsubai, K.A., Bozza, V., Browne, P., Burgdorf, M.J., Calchi Novati, S., Dodds, P., Dominik, M., Finet, F., Gerner, T., Hardis, S., Harpsøe, K., Hinse, T.C., Hundertmark, M., **Kains, N.**, Kerins, E., Liebig, C., Mancini, L., Mathiasen, M., Penny, M.T., Proft, S., Rahvar, S., Ricci, D., Scarpetta, G., Schäfer, S., Schönebeck, F., Southworth, J., Surdej, J., Wambsganss, J., MiNDSTEp Consortium, T., Street, R.A., **Bramich, D.M.**, Steele, I.A., Tsapras, Y., The RoboNet Collaboration, T.R.C., Horne, K., Donatowicz, J., Sahu, K.C., Bachelet, E., Batista, V., Beatty, T.G., Beaulieu, J.-P., Bennett, C.S., Black, C., Bowers-Rubin, R., **Brilliant, S.**, Caldwell, J.A.R., Cassan, A., Cole, A.A., Corrales, E., Coutures, C., Dieters, S., Fouqué, P., Greenhill, J., Henderson, C.B., **Kubas, D.**, Marquette, J.-B., Martin, R., Menzies, J.W., Shappee, B., Williams, A., Wouters, D., van Saders, J., Zellem, R., Zub, M., The PLANET Collaboration, T.P.C., 2013, ApJ, 779, 91 [\[ADS\]](#)

MUSCLE W49: A Multi-Scale Continuum and Line Exploration of the Most Luminous Star Formation Region in the Milky Way. I. Data and the Mass Structure of the Giant Molecular Cloud

Galván-Madrid, R., Liu, H.B., Zhang, Z.-Y., **Pineda, J.E.**, **Peng, T.-C.**, Zhang, Q., Keto, E.R., Ho, P.T.P., Rodríguez, L.F., Zapata, L., Peters, T., De Pree, C.G., 2013, ApJ, 779, 121 [\[ADS\]](#)

Morphological Parameters of a Spitzer Survey of Stellar Structure in Galaxies

Holwerda, B.W., Muñoz-Mateos, J.-C., Comerón, S., Meidt, S., Sheth, K., Laine, S., Hinz, J.L., Regan, M.W., Gil de Paz, A., Menéndez-Delmestre, K., Seibert, M., Kim, T., Mizusawa, T., Laurikainen, E., Salo, H., Laine, J., **Gadotti, D.A.**, Zaritsky, D., Erroz-Ferrer, S., Ho, L.C., Knapen, J.H., Athanassoula, E., Bosma, A., & Pirzkal, N., 2014, ApJ, 781, 12 [\[ADS\]](#)

Classical T Tauri stars: magnetic fields, coronae and star-disc interactions

Johnstone, C.P., Jardine, M., Gregory, S.G., Donati, J.-F., **Hussain, G.**, 2014, MNRAS, 437, 3202 [\[ADS\]](#)

Systematic properties of decelerating relativistic jets in low-luminosity radio galaxies

Laing, R.A., & Bridle, A.H., 2014, MNRAS, 437, 3405 [\[ADS\]](#)

The Peculiar Balmer Decrement of SN 2009ip: Constraints on Circumstellar Geometry

Levesque, E.M., Stringfellow, G.S., **Ginsburg, A.G.**, Bally, J., & Keeney, B.A., 2014, AJ, 147, 23 [\[ADS\]](#)

Time Monitoring of Radio Jets and Magnetospheres in the Nearby Young Stellar Cluster R Coronae Australis

Liu, H.B., **Galván-Madrid, R.**, Forbrich, J., Rodríguez, L.F., Takami, M., **Costigan, G.**, **Felice Manara, C.**, Yan, C.-H., Karr, J., Chou, M.-Y., Ho, P.T.-P., Zhang, Q., 2014, ApJ, 780, 155 [\[ADS\]](#)

Variable Doppler shifts of the thermal wind absorption lines in low-mass X-ray binaries

Madej, O.K., Jonker, P.G., **Díaz Trigo, M.**, & Miškovíčová, I., 2014, MNRAS, 438, 145 [\[ADS\]](#)

Anchors for the cosmic distance scale: the Cepheids U Sagittarii, CF Cassiopeiae, and CEab Cassiopeiae

Majaess, D., **Carraro, G.**, Moni Bidin, C., Bonatto, C., Berdnikov, L., Balam, D., Moyano, M., Gallo, L., Turner, D., Lane, D., Gieren, W., Borissova, J., Kovtyukh, V., & Beletsky, Y., 2013, A&A, 560, 22 [\[ADS\]](#)

Type IIb Supernova SN 2011dh: Spectra and Photometry from the Ultraviolet to the Near-infrared

Marion, G.H., Vinko, J., Kirshner, R.P., Foley, R.J., Berlind, P., Bieryla, A., Bloom, J.S., Calkins, M.L., Challis, P., Chevalier, R.A., Chornock, R., Culliton, C., Curtis, J.L., Esquerdo, G.A., Everett, M.E., Falco, E.E., France, K., Fransson, C., Friedman, A.S., Garnavich, P., **Leibundgut, B.**, Meyer, S., Smith, N., Soderberg, A.M., Sollerman, J., Starr, D.L., Szklenar, T., Takats, K., & Wheeler, J.C., 2014, ApJ, 781, 69 [\[ADS\]](#)

EL CVn-type binaries - discovery of 17 helium white dwarf precursors in bright eclipsing binary star systems

Maxted, P.F.L., Bloemen, S., Heber, U., **Geier, S.**, Wheatley, P.J., Marsh, T.R., Breedt, E., Sebastian, D., Faillace, G., Owen, C., Pulley, D., Smith, D., Kolb, U., Haswell, C.A., Southworth, J., Anderson, D.R., Smalley, B., Collier

Cameron, A., Hebb, L., Simpson, E.K., West, R.G., Bochinski, J., Busuttil, R., & Hadigal, S., 2014, MNRAS, 437, 1681 [\[ADS\]](#)

A frequency comb calibrated solar atlas

Molaro, P., Esposito, M., Monai, S., **Lo Curto, G.**, González Hernández, J.I., Hänsch, T.W., Holzwarth, R., **Manescau, A.**, **Pasquini, L.**, Probst, R.A., Rebolo, R., Steinmetz, T., Udem, T., & Wilken, T., 2013, A&A, 560, 61 [\[ADS\]](#)

The Next Generation Virgo Cluster Survey-Infrared (NGVS-IR). I. A New Near-Ultraviolet, Optical, and Near-Infrared Globular Cluster Selection Tool

Muñoz, R.P., Puzia, T.H., Lançon, A., Peng, E.W., Côté, P., Ferrarese, L., Blakeslee, J.P., Mei, S., Cuillandre, J.-C., Hudelot, P., Courteau, S., Duc, P.-A., Balogh, M.L., Boselli, A., Bournaud, F., Carlberg, R.G., Chapman, S.C., Durrell, P., Eigenthaler, P., **Emsellem, E.**, Gavazzi, G., Gwyn, S., Huertas-Company, M., Ilbert, O., Jordán, A., Läsker, R., Licitra, R., Liu, C., MacArthur, L., McConnachie, A., McCracken, H.J., Mellier, Y., Peng, C.Y., Raichoor, A., Taylor, M.A., Tonry, J.L., Tully, R.B., Zhang, H., 2014, ApJS, 210, 4 [\[ADS\]](#)

Detection of a High Brightness Temperature Radio Core in the Active-galactic-nucleus-driven Molecular Outflow Candidate NGC 1266

Nyland, K., Alatalo, K., Wrobel, J.M., Young, L.M., Morganti, R., **Davis, T.A.**, **de Zeeuw, P.T.**, Deustua, S., & Bureau, M., 2013, ApJ, 779, 173 [\[ADS\]](#)

Searching for large-scale structures around high-redshift radio galaxies with Herschel

Rigby, E.E., Hatch, N.A., Röttgering, H.J.A., Sibthorpe, B., Chiang, Y.K., Overzier, R., Herbonnet, R., Borgani, S., Clements, D.L., Dannerbauer, H., **De Breuck, C.**, De Lucia, G., Kurk, J., Maschietto, F., Miley, G., Saro, A., Seymour, N., & Venemans, B., 2014, MNRAS, 437, 1882 [\[ADS\]](#)

The role of low-mass star clusters in forming the massive stars in DR 21

Rivilla, V.M., **Jiménez-Serra, I.**, Martín-Pintado, J., & Sanz-Forcada, J., 2014, MNRAS, 437, 1561 [\[ADS\]](#)

Classical Be stars. Rapidly rotating B stars with viscous Keplerian decretion disks

Rivinius, T., Carciofi, A.C., & **Martayan, C.**, 2013, A&ARv, 21, 69 [\[ADS\]](#)

An archive study of 18 old novae. I. The UV spectra

Selvelli, P., & **Gilmozzi, R.**, 2013, A&A, 560, 49 [\[ADS\]](#)

A new procedure for defining a homogenous line-list for solar-type stars

Sousa, S.G., Santos, N.C., Adibekyan, V., Delgado-Mena, E., Tabernero, H.M., González Hernández, J.I., Montes, D., **Smiljanic, R.**, Korn, A.J., Bergemann, M., Soubiran, C., & Mikolaitis, S., 2014, A&A, 561, 21 [\[ADS\]](#)

FIES: The high-resolution Fiber-fed Echelle Spectrograph at the Nordic Optical Telescope

Telting, J.H., **Avila, G.**, Buchhave, L., Frandsen, S., Gandolfi, D., Lindberg, B., Stempels, H.C., Prins, S., & NOT staff, N.s., 2014, AN, 335, 41 [\[ADS\]](#)

Molecular gas properties of the giant molecular cloud complexes in the arms and inter-arms of the spiral galaxy NGC 6946

Topal, S., Bayet, E., Bureau, M., **Davis, T.A.**, & Walsh, W., 2014, MNRAS, 437, 1434 [\[ADS\]](#)

Baryons in the relativistic jets of the stellar-mass black-hole candidate 4U1630-47

Trigo, M.D., Miller-Jones, J.C.A., Migliari, S., Broderick, J.W., & Tzioumis, T., 2013, Natur, 504, 260 [\[ADS\]](#)

G2C2 - I. Homogeneous photometry for Galactic globular clusters in SDSS passbands

Vanderbeke, J., **West, M.J.**, De Propris, R., Peng, E.W., Blakeslee, J.P., Jordán, A., Côté, P., Gregg, M., Ferrarese, L., Takamiya, M., & Baes, M., 2014, MNRAS, 437, 1725 [\[ADS\]](#)

G2C2 - II. Integrated colour-metallicity relations for Galactic globular clusters in SDSS passbands

Vanderbeke, J., **West, M.J.**, De Propris, R., Peng, E.W., Blakeslee, J.P., Jordán, A., Côté, P., Gregg, M., Ferrarese, L., Takamiya, M., & Baes, M., 2014, MNRAS, 437, 1734 [\[ADS\]](#)

A CANDELS-3D-HST synergy: Resolved Star Formation Patterns at $0.7 < z < 1.5$

Wuyts, S., Förster Schreiber, N.M., Nelson, E.J., van Dokkum, P.G., **Brammer, G.**, Chang, Y.-Y., Faber, S.M.,

Ferguson, H.C., Franx, M., Fumagalli, M., Genzel, R., Grogin, N.A., Kocevski, D.D., Koekemoer, A.M., Lundgren, B., Lutz, D., McGrath, E.J., Momcheva, I., Rosario, D., Skelton, R.E., Tacconi, L.J., van der Wel, A., Whitaker, K.E., 2013, ApJ, 779, 135 [[ADS](#)]

Dust Production and Particle Acceleration in Supernova 1987A Revealed with ALMA

Indebetouw, R., Matsuura, M., Dwek, E., Zanardo, G., Barlow, M.J., Baes, M., Bouchet, P., Burrows, D.N., Chevalier, R., Clayton, G.C., Fransson, C., Gaensler, B., Kirshner, R., Lakićević, M., Long, K.S., Lundqvist, P., Martí-Vidal, I., Marcaide, J., McCray, R., Meixner, M., Ng, C.-Y., Park, S., Sonneborn, G., Staveley-Smith, L., **Vlahakis, C.**, van Loon, J., 2014, ApJ, 782, L2 [[ADS](#)]

Submillimeter ALMA Observations of the Dense Gas in the Low-Luminosity Type-1 Active Nucleus of NGC 1097

Izumi, T., Kohno, K., **Martín, S.**, Espada, D., Harada, N., Matsushita, S., Hsieh, P.-Y., Turner, J.L., Meier, D.S., Schinnerer, E., Imanishi, M., Tamura, Y., Curran, M.T., Doi, A., Fathi, K., Krips, M., **Lundgren, A.A.**, Nakai, N., Nakajima, T., Regan, M.W., Sheth, K., Takano, S., Taniguchi, A., Terashima, Y., Tosaki, T., **Wiklind, T.**, 2013, PASJ, 65, 100 [[ADS](#)]

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