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Cosmology

[Rapidly growing black holes and host galaxies in the distant Universe from the Herschel Radio Galaxy Evolution Project](#)

Drouart, G., De Breuck, C., Vernet, J., Seymour, N., Lehnert, M., Barthel, P., Bauer, F.E., Ibar, E., Galametz, A., Haas, M., Hatch, N., Mullaney, J.R., Nesvadba, N., Rocca-Volmerange, B., Röttgering, H.J.A., Stern, D., & **Wylezalek, D.**, 2014, A&A, 566, 53 [[ADS](#)]
Instruments: LABOCA

Galaxies and Galactic Nuclei

[The Gaia-ESO Survey: radial metallicity gradients and age-metallicity relation of stars in the Milky Way disk](#)

Bergemann, M., Ruchti, G.R., Serenelli, A., Feltzing, S., Alves-Brito, A., Asplund, M., Bensby, T., Gruyters, P., Heiter, U., Hourihane, A., Korn, A., Lind, K., Marino, A., Jofre, P., Nordlander, T., Ryde, N., Worley, C.C., Gilmore, G., Randich, S., Ferguson, A.M.N., Jeffries, R.D., Micela, G., Negueruela, I., Prusti, T., Rix, H.-W., Vallenari, A., Alfaro, E.J., Allende Prieto, C., Bragaglia, A., Koposov, S.E., Lanzafame, A.C., Pancino, E., Recio-Blanco, A., **Smiljanic, R.**, Walton, N., Costado, M.T., Franciosini, E., Hill, V., Lardo, C., de Laverny, P., Magrini, L., Maiorca, E., Masseron, T., Morbidelli, L., Sacco, G., Kordopatis, G., Tautvaišienė, G., 2014, A&A, 565, 89 [[ADS](#)]
Instruments: UVES

[Gaia-ESO Survey: Empirical classification of VLT/Giraffe stellar spectra in the wavelength range 6440-6810 Å in the \$\gamma\$ Velorum cluster, and calibration of spectral indices](#)

Damiani, F., Prisinzano, L., Micela, G., Randich, S., Gilmore, G., Drew, J.E., Jeffries, R.D., Frémat, Y., Alfaro, E.J., Bensby, T., Bragaglia, A., Flaccomio, E., Lanzafame, A.C., Pancino, E., Recio-Blanco, A., Sacco, G.G., **Smiljanic, R.**, Jackson, R.J., de Laverny, P., Morbidelli, L., Worley, C.C., Hourihane, A., Costado, M.T., Jofré, P., Lind, K., & Maiorca, E., 2014, A&A, 566, 50 [[ADS](#)]
Instruments: FLAMES, GIRAFFE, UVES

[On the fine structure of the Cepheid metallicity gradient in the Galactic thin disk](#)

Genovali, K., Lemasle, B., Bono, G., **Romaniello, M.**, Fabrizio, M., Ferraro, I., Iannicola, G., Laney, C.D., Nonino, M., Bergemann, M., Buonanno, R., François, P., **Inno, L.**, Kudritzki, R.-P., Matsunaga, N., Pedicelli, S., **Primas, F.**, Thévenin, F., 2014, A&A, 566, 37 [[ADS](#)]
Instruments: FEROS, UVES

Interstellar Medium, Star Formation and Planetary Systems

[The HARPS search for southern extra-solar planets. XXXV. The interesting case of HD 41248: stellar activity, no planets?](#)

Santos, N.C., Mortier, A., Faria, J.P., Dumusque, X., Adibekyan, V.Z., Delgado-Mena, E., Figueira, P., Benamati, L., Boisse, I., Cunha, D., Gomes da Silva, J., **Lo Curto, G.**, Lovis, C., Martins, J.H.C., Mayor, M., **Melo, C.**, Oshagh, M., Pepe, F., Queloz, D., Santerne, A., Ségransan, D., Sozzetti, A., Sousa, S.G., & Udry, S., 2014, A&A, 566, 35 [[ADS](#)]
Instruments: HARPS

Stellar Evolution

[Updated properties of the old open cluster Melotte 66: Searching for multiple stellar populations](#)

Carraro, G., de Silva, G., **Monaco, L.**, Milone, A.P., & Mateluna, R., 2014, A&A, 566, 39 [[ADS](#)]
Instruments: FLAMES, UVES

[Dense molecular clouds in the SN 2008fp host galaxy](#)

Cox, N.L.J., & Patat, F., 2014, A&A, 565, 61 [\[ADS\]](#)

Instruments: FORS1, UVES

[Environments of interacting transients: impostors and Type II supernovae](#)

Habergham, S.M., Anderson, J.P., James, P.A., & Lyman, J.D., 2014, MNRAS, 441, 2230 [\[ADS\]](#)

Instruments: WFI

[Hot horizontal branch stars in NGC 288 - effects of diffusion and stratification on their atmospheric parameters](#)

Moehler, S., Dreizler, S., LeBlanc, F., Khalack, V., Michaud, G., Richer, J., Sweigart, A.V., & Grundahl, F., 2014, A&A, 565, 100 [\[ADS\]](#)

Instruments: FLAMES, GIRAFFE

Miscellaneous

An ALMA Survey of Submillimeter Galaxies in the Extended Chandra Deep Field South: The Redshift Distribution and Evolution of Submillimeter Galaxies

Simpson, J.M., Swinbank, A.M., Smail, I., Alexander, D.M., Brandt, W.N., Bertoldi, F., de Breuck, C., Chapman, S.C., Coppin, K.E.K., da Cunha, E., Danielson, A.L.R., Dannerbauer, H., Greve, T.R., Hodge, J.A., Ivison, R.J., Karim, A., Knudsen, K.K., Poggianti, B.M., Schinnerer, E., Thomson, A.P., Walter, F., Wardlow, J.L., Weiß, A., & van der Werf, P.P., 2014, ApJ, 788, 125 [\[ADS\]](#)

Instruments: VIMOS, LABOCA, LABOCA, LABOCA, LABOCA, ALMA_Bands, XSHOOTER

Papers without ESO data

Resolved Multifrequency Radio Observations of GG Tau

Andrews, S.M., Chandler, C.J., Isella, A., Birnstiel, T., Rosenfeld, K.A., Wilner, D.J., Pérez, L.M., Ricci, L., Carpenter, J.M., Calvet, N., Corder, S.A., Deller, A.T., Dullemond, C.P., Greaves, J.S., Harris, R.J., Henning, T., Kwon, W., Lazio, J., Linz, H., Mundy, L.G., Sargent, A.I., Storm, S., & Testi, L., 2014, ApJ, 787, 148 [\[ADS\]](#)

CO(1-0) line imaging of massive star-forming disc galaxies at $z=1.5-2.2$

Aravena, M., Hodge, J.A., Wagg, J., Carilli, C.L., Daddi, E., Dannerbauer, H., Lentati, L., Riechers, D.A., Sargent, M., & Walter, F., 2014, MNRAS, 442, 558 [\[ADS\]](#)

Galaxy And Mass Assembly (GAMA): AUTOZ spectral redshift measurements, confidence and errors

Baldry, I.K., Alpaslan, M., Bauer, A.E., Bland-Hawthorn, J., Brough, S., Cluver, M.E., Croom, S.M., Davies, L.J.M., Driver, S.P., Gunawardhana, M.L.P., Holwerda, B.W., Hopkins, A.M., Kelvin, L.S., Liske, J., López-Sánchez, Á.R., Loveday, J., Norberg, P., Peacock, J., Robotham, A.S.G., & Taylor, E.N., 2014, MNRAS, 441, 2440 [\[ADS\]](#)

The Onset of Massive Star Formation: The Evolution of Temperature and Density Structure in an Infrared Dark Cloud

Battersby, C., Ginsburg, A., Bally, J., Longmore, S., Dunham, M., & Darling, J., 2014, ApJ, 787, 113 [\[ADS\]](#)

The extended structure of the dwarf irregular galaxies Sextans A and Sextans B. Signatures of tidal distortion in the outskirts of the Local Group

Bellazzini, M., Beccari, G., Fraternali, F., Oosterloo, T.A., Sollima, A., Testa, V., Galletti, S., Perina, S., Faccini, M., & Cusano, F., 2014, A&A, 566, 44 [\[ADS\]](#)

Modelling the connection between ultraviolet and infrared galaxy populations across cosmic times

Bernhard, E., Béthermin, M., Sargent, M., Buat, V., Mullaney, J.R., Pannella, M., Heinis, S., & Daddi, E., 2014, MNRAS, 442, 509 [\[ADS\]](#)

Apodized phase mask coronagraphs for arbitrary apertures. II. Comprehensive review of solutions for the vortex coronagraph

Carlotti, A., Pueyo, L., & Mawet, D., 2014, A&A, 566, 31 [\[ADS\]](#)

Dust spectral energy distributions of nearby galaxies: an insight from the Herschel Reference Survey

Ciesla, L., Boquien, M., Boselli, A., Buat, V., Cortese, L., Bendo, G.J., Heinis, S., Galametz, M., Eales, S., Smith,

M.W.L., Baes, M., Bianchi, S., de Looze, I., di Serego Alighieri, S., Galliano, F., Hughes, T.M., Madden, S.C., Pierini, D., Rémy-Ruyer, A., Spinoglio, L., Vaccari, M., Viaene, S., & **Vlahakis, C.**, 2014, A&A, 565, 128 [[ADS](#)]

The planetary nebula IPHASXJ211420.0+434136 (Ou5): insights into common-envelope dynamical and chemical evolution

Corradi, R.L.M., Rodríguez-Gil, P., **Jones, D.**, García-Rojas, J., Mampaso, A., García-Alvarez, D., Pursimo, T., Eenmäe, T., Liimets, T., & Miszalski, B., 2014, MNRAS, 441, 2799 [[ADS](#)]

OGLE-LMC-ECL-11893: The Discovery of a Long-period Eclipsing Binary with a Circumstellar Disk

Dong, S., Katz, B., Prieto, J.L., Udalski, A., Kozłowski, S., Street, R.A., Bramich, D.M., Tsapras, Y., Hundertmark, M., Snodgrass, C., Horne, K., Dominik, M., & **Figuera Jaimes, R.**, 2014, ApJ, 788, 41 [[ADS](#)]

Regrowth of stellar discs in mature galaxies: the two-component nature of NGC 7217 revisited with VIRUS-W

Fabircius, M.H., **Coccatto, L.**, Bender, R., Drory, N., Gössl, C., Landriau, M., Saglia, R.P., Thomas, J., & Williams, M.J., 2014, MNRAS, 441, 2212 [[ADS](#)]

Detectability of Glycine in Solar-type System Precursors

Jiménez-Serra, I., **Testi, L.**, Caselli, P., & Viti, S., 2014, ApJ, 787, L33 [[ADS](#)]

Herschel Evidence for Disk Flattening or Gas Depletion in Transitional Disks

Keane, J.T., Pascucci, I., Espaillat, C., Woitke, P., Andrews, S., Kamp, I., Thi, W.-F., Meeus, G., **Dent, W.R.F.**, 2014, ApJ, 787, 153 [[ADS](#)]

Morphology and environment of galaxies with disc breaks in the S4G and NIRS0S

Laine, J., Laurikainen, E., Salo, H., Comerón, S., Buta, R.J., Zaritsky, D., Athanassoula, E., Bosma, A., **Muñoz-Mateos, J.-C.**, **Gadotti, D.A.**, Hinz, J.L., Erroz-Ferrer, S., Gil de Paz, A., **Kim, T.**, Menéndez-Delmestre, K., Mizusawa, T., Regan, M.W., Seibert, M., Sheth, K., 2014, MNRAS, 441, 1992 [[ADS](#)]

Reconstructing the Stellar Mass Distributions of Galaxies Using S4G IRAC 3.6 and 4.5 μm Images. II. The Conversion from Light to Mass

Meidt, S.E., Schinnerer, E., van de Ven, G., Zaritsky, D., Peletier, R., Knapen, J.H., Sheth, K., Regan, M., Querejeta, M., **Muñoz-Mateos, J.-C.**, Kim, T., Hinz, J.L., Gil de Paz, A., Athanassoula, E., Bosma, A., Buta, R.J., Cisternas, M., Ho, L.C., Holwerda, B., Skibba, R., Laurikainen, E., Salo, H., Gadotti, D.A., Laine, J., Erroz-Ferrer, S., Comerón, S., Menéndez-Delmestre, K., Seibert, M., Mizusawa, T., 2014, ApJ, 788, 144 [[ADS](#)]

Constraints on the winds of hot subdwarf stars from X-ray observations of two sdB binaries with compact companions: CD -30° 11223 and PG 1232-136

Mereghetti, S., La Palombara, N., Esposito, P., Gastaldello, F., Tiengo, A., Heber, U., **Geier, S.**, & Wilms, J., 2014, MNRAS, 441, 2684 [[ADS](#)]

How tidal erosion has shaped the relation between globular cluster specific frequency and galaxy luminosity

Mieske, S., Küpper, A.H.W., & Brockamp, M., 2014, A&A, 565, L6 [[ADS](#)]

The virtual observatory service TheoSSA: Establishing a database of synthetic stellar flux standards . II. NLTE spectral analysis of the OB-type subdwarf Feige 110

Rauch, T., Rudkowski, A., Kampka, D., Werner, K., Kruk, J.W., & **Moehler, S.**, 2014, A&A, 566, 3 [[ADS](#)]

The Gaia-ESO Survey: processing FLAMES-UVES spectra

Sacco, G.G., Morbidelli, L., Franciosini, E., Maiorca, E., Randich, S., **Modigliani, A.**, Gilmore, G., Asplund, M., Binney, J., Bonifacio, P., Drew, J., Feltzing, S., Ferguson, A., Jeffries, R., Micela, G., Negueruela, I., Prusti, T., Rix, H.-W., Vallenari, A., Alfaro, E., Allende Prieto, C., Babusiaux, C., Bensby, T., Blomme, R., Bragaglia, A., Flaccomio, E., Francois, P., Hambly, N., Irwin, M., Koposov, S., Korn, A., Lanzafame, A., Pancino, E., Recio-Blanco, A., **Smiljanic, R.**, Van Eck, S., Walton, N., Bergemann, M., Costado, M.T., de Laverny, P., Heiter, U., Hill, V., Hourihane, A., Jackson, R., Jofre, P., Lewis, J., Lind, K., Lardo, C., Magrini, L., Masseron, T., Prisinzano, L., Worley, C., 2014, A&A, 565, 113 [[ADS](#)]

Class 0 Protostars in the Perseus Molecular Cloud: A Correlation Between the Youngest Protostars and the Dense Gas Distribution

Sadavoy, S.I., Di Francesco, J., André, P., Pezzuto, S., Bernard, J.-P., Maury, A., Men'shchikov, A., Motte, F.,

Nguy[~]ên-Lu'o'ng, Q., Schneider, N., Arzoumanian, D., Benedettini, M., Bontemps, S., Elia, D., Hennemann, M., Hill, T., Könyves, V., Louvet, F., Peretto, N., Roy, A., White, G.J., 2014, ApJ, 787, L18 [\[ADS\]](#)

Revisiting the impact of atmospheric dispersion and differential refraction on widefield multiobject spectroscopic observations. From VLT/VIMOS to next generation instruments
Sánchez-Janssen, R., Mieske, S., Selman, F., Bristow, P., Hammersley, P., Hilker, M., Rejkuba, M., & Wolff, B., 2014, A&A, 566, 2 [\[ADS\]](#)

Surface brightness profile of the Milky Way's nuclear star cluster
Schödel, R., Feldmeier, A., Kunneriath, D., Stolovy, S., Neumayer, N., Amaro-Seoane, P., & Nishiyama, S., 2014, A&A, 566, 47 [\[ADS\]](#)

Old pre-main-sequence stars. Disc reformation by Bondi-Hoyle accretion
Sciicluna, P., Rosotti, G., Dale, J.E., & Testi, L., 2014, A&A, 566, L3 [\[ADS\]](#)

European Extremely Large Telescope Site Characterization III: Ground Meteorology
Varela, A.M., Vázquez Ramió, H., Vernin, J., Muñoz-Tuñón, C., Sarazin, M., Trinquet, H., Delgado, J.M., Jiménez Fuensalida, J., Reyes, M., Benhida, A., Benkhaldoun, Z., García Lambas, D., Hach, Y., Lazrek, M., Lombardi, G., Navarrete, J., Recabarren, P., Renzi, V., Sabil, M., & Vrech, R., 2014, PASP, 126, 412 [\[ADS\]](#)

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