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Cosmology

[Spectroastrometry of rotating gas disks for the detection of supermassive black holes in galactic nuclei. II. Application to the galaxy Centaurus A \(NGC 5128\)](#)

Gnerucci, A., Marconi, A., Capetti, A., Axon, D.J., Robinson, A., & **Neumayer, N.**, 2011, A&A, 536, 86 [[ADS](#)]
Instruments: ISAAC, SINFONI, SINFONI

[Supersolar metal abundances in two galaxies at \$z \sim 3.57\$ revealed by the GRB 090323 afterglow spectrum](#)

Savaglio, S., Rau, A., Greiner, J., Krühler, T., McBreen, S., Hartmann, D.H., Updike, A.C., Filgas, R., Klose, S., Afonso, P., Clemens, C., **Küpcü Yıldız, A.**, Olivares E., F., Sudilovsky, V., & Szokoly, G., 2012, MNRAS, 420, 627 [[ADS](#)]
Instruments: FORS2, VIS_GROND

[The Impact of Galaxy Interactions on Active Galactic Nucleus Activity in zCOSMOS](#)

Silverman, J.D., Kampczyk, P., Jahnke, K., Andrae, R., Lilly, S.J., Elvis, M., Civano, F., **Mainieri, V.**, Vignali, C., Zamorani, G., Nair, P., Le Fèvre, O., de Ravel, L., Bardelli, S., Bongiorno, A., Bolzonella, M., Cappi, A., Caputi, K., Carollo, C.M., Contini, T., Coppa, G., Cucciati, O., de la Torre, S., Franzetti, P., Garilli, B., Halliday, C., Hasinger, G., Iovino, A., Knobel, C., Koekemoer, A.M., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Pello, R., Pérez-Montero, E., Ricciardelli, E., Peng, Y., Scodeggio, M., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Zucca, E., Brusa, M., Cappelluti, N., Comastri, A., Finoguenov, A., Fu, H., Gilli, R., Hao, H., Ho, L.C., Salvato, M., 2011, ApJ, 743, 2 [[ADS](#)]
Instruments: VIMOS

Interstellar Medium, Star Formation and Planetary Systems

[Spectroscopy of very low mass stars and brown dwarfs in the Lambda Orionis star forming region. I. Enlarging the census down to the planetary mass domain in Collinder 69](#)

Bayo, A., Barrado, D., Stauffer, J., Morales-Calderón, M., **Melo, C.**, Huélamo, N., Bouy, H., Stelzer, B., Tamura, M., & Jayawardhana, R., 2011, A&A, 536, 63 [[ADS](#)]
Instruments: SOFI, FLAMES-GIRAFFE

[Characterising the magnetic fields of the Herbig Ae/Be stars HD 97048, HD 150193, HD 176386, and MWC 480](#)

Hubrig, S., **Schöller, M.**, Ilyin, I., Cowley, C.R., Mikulášek, Z., Stelzer, B., Pogodin, M.A., Yudin, R.V., & Curé, M., 2011, A&A, 536, 45 [[ADS](#)]
Instruments: FORS2

[Study of the impact of the post-MS evolution of the host star on the orbits of close-in planets. I. Sample definition and physical properties](#)

Jones, M.I., Jenkins, J.S., Rojo, P., & **Melo, C.H.F.**, 2011, A&A, 536, 71 [[ADS](#)]
Instruments: FEROS2.2, FEROS2.2

Stellar Evolution

[First HARPSpol discoveries of magnetic fields in massive stars](#)

Alecian, E., Kochukhov, O., Neiner, C., Wade, G.A., de Batz, B., Henrichs, H., Grunhut, J.H., Bouret, J.-C., Briquet, M., Gagne, M., Naze, Y., Oksala, M.E., **Rivinius, T.**, Townsend, R.H.D., Walborn, N.R., Weiss, W., Mimes Collaboration, M.C., 2011, A&A, 536, L6 [[ADS](#)]
Instruments: HARPS

[HR 5907: Discovery of the most rapidly rotating magnetic early B-type star by the MiMeS Collaboration](#)

Grunhut, J.H., **Rivinius, T.**, Wade, G.A., Townsend, R.H.D., Marcolino, W.L.F., Bohlender, D.A., **Szeifert, T.**, Petit, V., Matthews, J.M., Rowe, J.F., Moffat, A.F.J., Kallinger, T., Kuschnig, R., Guenther, D.B., Rucinski, S.M., Sasselov, D., & Weiss, W.W., 2012, MNRAS, 419, 1610 [[ADS](#)]

Instruments: FORS2, UVES

[A barium central star binary in the Type I diamond ring planetary nebula Abell 70](#)

Miszalski, B., **Boffin, H.M.J.**, Frew, D.J., Acker, A., Köppen, J., Moffat, A.F.J., & Parker, Q.A., 2012, MNRAS, 419, 39 [[ADS](#)]

Instruments: FORS2, FORS2, UVES

[The VLT/VISIR mid-IR view of 47 Tucanae. A further step in solving the puzzle of RGB mass loss](#)

Momany, Y., Saviane, I., Smette, A., Bayo, A., Girardi, L., Marconi, G., Milone, A.P., & Bressan, A., 2012, A&A, 537, 2 [[ADS](#)]

Instruments: SOFI, VISIR, VISIR

[Post common envelope binaries from SDSS. XII. The orbital period distribution](#)

Nebot Gómez-Morán, A., Gänsicke, B.T., Schreiber, M.R., Rebassa-Mansergas, A., Schwöpe, A.D., Southworth, J., Aungwerojwit, A., Bothe, M., Davis, P.J., Kolb, U., Müller, M., Papadaki, C., Pyrzas, S., Rabitz, A., Rodríguez-Gil, P., **Schmidtobreick, L.**, Schwarz, R., Tappert, C., Toloza, O., Vogel, J., & Zorotovic, M., 2011, A&A, 536, 43 [[ADS](#)]

Instruments: FORS2, FORS2, FORS2, FORS2, FORS2, FORS2, EMMI, EMMI, EFOSC2_NTT

Papers without ESO data

Multiline spectral imaging of dense cores in the Lupus molecular cloud

Benedettini, M., Pezzuto, S., Burton, M.G., Viti, S., Molinari, S., Caselli, P., & **Testi, L.**, 2012, MNRAS, 419, 238 [[ADS](#)]

The First Determination of the Viscosity Parameter in the Circumstellar Disk of a Be Star

Cariofi, A.C., Bjorkman, J.E., Otero, S.A., Okazaki, A.T., **Štefl, S.**, **Rivinius, T.**, **Baade, D.**, & Haubois, X., 2012, ApJ, 744, L15 [[ADS](#)]

Photometric distances to young stars in the inner Galactic disk. I. The L = 314° direction

Carraro, G., 2011, A&A, 536, 101 [[ADS](#)]

A compact system of small planets around a former red-giant star

Charpinet, S., Fontaine, G., Brassard, P., Green, E.M., van Grootel, V., **Randall, S.K.**, Silvotti, R., Baran, A.S., Østensen, R.H., Kawaler, S.D., & Telting, J.H., 2011, Natur, 480, 496 [[ADS](#)]

CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey

Grogin, N.A., Kocevski, D.D., Faber, S.M., Ferguson, H.C., Koekemoer, A.M., Riess, A.G., Acquaviva, V., Alexander, D.M., Almaini, O., Ashby, M.L.N., Barden, M., Bell, E.F., Bournaud, F., Brown, T.M., Caputi, K.I., Casertano, S., Cassata, P., Castellano, M., Challis, P., Chary, R.-R., Cheung, E., Cirasuolo, M., Conselice, C.J., Roshan Cooray, A., Croton, D.J., Daddi, E., Dahlen, T., Davé, R., de Mello, D.F., Dekel, A., Dickinson, M., Dolch, T., Donley, J.L., Dunlop, J.S., Dutton, A.A., Elbaz, D., Fazio, G.G., Filippenko, A.V., Finkelstein, S.L., Fontana, A., Gardner, J.P., Garnavich, P.M., Gawiser, E., Giavalisco, M., Grazian, A., Guo, Y., Hathi, N.P., Häussler, B., Hopkins, P.F., Huang, J.-S., Huang, K.-H., Jha, S.W., Kartaltepe, J.S., Kirshner, R.P., Koo, D.C., Lai, K., Lee, K.-S., Li, W., Lotz, J.M., Lucas, R.A., Madau, P., McCarthy, P.J., McGrath, E.J., McIntosh, D.H., McLure, R.J., Mobasher, B., Moustakas, L.A., Mozena, M., Nandra, K., Newman, J.A., Niemi, S.-M., Noeske, K.G., Papovich, C.J., Pentericci, L., Pope, A., Primack, J.R., Rajan, A., Ravindranath, S., Reddy, N.A., Renzini, A., Rix, H.-W., Robaina, A.R., Rodney, S.A., Rosario, D.J., **Rosati, P.**, Salimbeni, S., Scarlata, C., Siana, B., Simard, L., Smidt, J., Somerville, R.S., Spinrad, H., Straughn, A.N., Strolger, L.-G., Telford, O., Teplitz, H.I., Trump, J.R., van der Wel, A., Villforth, C., Wechsler, R.H., Weiner, B.J., **Wiklind, T.**, Wild, V., Wilson, G., Wuyts, S., Yan, H.-J., Yun, M.S., 2011, ApJS, 197, 35 [[ADS](#)]

CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey—The Hubble Space Telescope Observations, Imaging Data Products, and Mosaics

Koekemoer, A.M., Faber, S.M., Ferguson, H.C., Grogin, N.A., Kocevski, D.D., Koo, D.C., Lai, K., Lotz, J.M., Lucas, R.A., McGrath, E.J., Ogaz, S., Rajan, A., Riess, A.G., Rodney, S.A., Strolger, L., Casertano, S., Castellano, M., Dahlen, T., Dickinson, M., Dolch, T., Fontana, A., Giavalisco, M., Grazian, A., Guo, Y., Hathi, N.P., Huang, K.-H., **van der Wel, A.**, Yan, H.-J., Acquaviva, V., Alexander, D.M., Almaini, O., Ashby, M.L.N., Barden, M., Bell, E.F., Bournaud, F., Brown, T.M., Caputi, K.I., Cassata, P., Challis, P.J., Chary, R.-R., Cheung, E., Cirasuolo, M.,

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Band-limited Coronagraphs Using a Halftone-dot Process. II. Advances and Laboratory Results for Arbitrary Telescope Apertures

Martinez, P., Dorner, C., & **Kasper, M.**, 2012, ApJ, 744, 79 [[ADS](#)]

Reconstructing the Stellar Mass Distributions of Galaxies Using S4G IRAC 3.6 and 4.5 μ m Images. I. Correcting for Contamination by Polycyclic Aromatic Hydrocarbons, Hot Dust, and Intermediate-age Stars

Meidt, S.E., Schinnerer, E., Knapen, J.H., Bosma, A., Athanassoula, E., Sheth, K., Buta, R.J., Zaritsky, D., Laurikainen, E., Elmegreen, D., Elmegreen, B.G., **Gadotti, D.A.**, Salo, H., Regan, M., Ho, L.C., Madore, B.F., Hinz, J.L., Skibba, R.A., Gil de Paz, A., Muñoz-Mateos, J.-C., Menéndez-Delmestre, K., Seibert, M., Kim, T., Mizusawa, T., Laine, J., Comerón, S., 2012, ApJ, 744, 17 [[ADS](#)]

The specific frequencies of ultra-compact dwarf galaxies

Mieske, S., Hilker, M., & **Misgeld, I.**, 2012, A&A, 537, 3 [[ADS](#)]

Circumbinary disc survival during binary-single scattering: towards a dynamical model of the Orion BN/KL complex

Moeckel, N., & **Goddi, C.**, 2012, MNRAS, 419, 1390 [[ADS](#)]

Probabilistic selection of high-redshift quasars

Mortlock, D.J., Patel, M., Warren, S.J., Hewett, P.C., **Venemans, B.P.**, McMahon, R.G., & Simpson, C., 2012, MNRAS, 419, 390 [[ADS](#)]

The Enigmatic Core L1451-mm: A First Hydrostatic Core? Or a Hidden VeLLO?

Pineda, J.E., Arce, H.G., Schnee, S., Goodman, A.A., Bourke, T., Foster, J.B., Robitaille, T., Tanner, J., Kauffmann, J., Tafalla, M., Caselli, P., & Anglada, G., 2011, ApJ, 743, 201 [[ADS](#)]

The space density and X-ray luminosity function of non-magnetic cataclysmic variables

Pretorius, M.L., & Knigge, C., 2012, MNRAS, 419, 1442 [[ADS](#)]

Two long H I tails in the outskirts of Abell 1367

Scott, T.C., **Cortese, L.**, Brinks, E., Bravo-Alfaro, H., Auld, R., & Minchin, R., 2012, MNRAS, 419, L19 [[ADS](#)]

Spatial matter density mapping of the STAGES Abell A901/2 supercluster field with 3D lensing

Simon, P., Heymans, C., Schrabback, T., Taylor, A.N., Gray, M.E., van Waerbeke, L., Wolf, C., Bacon, D., Barden, M., Böhm, A., Häußler, B., Jahnke, K., Jogee, S., **van Kampen, E.**, Meisenheimer, K., & Peng, C.Y., 2012, MNRAS, 419, 998 [[ADS](#)]

Galaxy And Mass Assembly (GAMA): stellar mass estimates

Taylor, E.N., Hopkins, A.M., Baldry, I.K., Brown, M.J.I., Driver, S.P., Kelvin, L.S., Hill, D.T., Robotham, A.S.G., Bland-Hawthorn, J., Jones, D.H., Sharp, R.G., Thomas, D., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J.A., Bamford, S.P., Brough, S., Colless, M., Cameron, E., Conselice, C.J., Croom, S.M., Frenk, C.S., Gunawardhana, M., Kuijken, K., Nichol, R.C., Parkinson, H.R., Philipps, S., Pimbblet, K.A., Popescu, C.C., Prescott, M., Sutherland, W.J., Tuffs, R.J., **van Kampen, E.**, & Wijesinghe, D., 2011, MNRAS, 418, 1587 [[ADS](#)]

X-shooter, the new wide band intermediate resolution spectrograph at the ESO Very Large Telescope

Vernet, J., **Dekker, H.**, **D'Odorico, S.**, Kaper, L., Kjaergaard, P., Hammer, F., Randich, S., Zerbi, F., Groot, P.J., Hjorth, J., Guinouard, I., Navarro, R., Adorfse, T., Albers, P.W., Amans, J.-P., Andersen, J.J., Andersen, M.I., Binetruy, P., **Bristow, P.**, **Castillo, R.**, Chemla, F., Christensen, L., Conconi, P., **Conzelmann, R.**, Dam, J., de Caprio, V., de Ugarte Postigo, A., **Delabre, B.**, di Marcantonio, P., **Downing, M.**, Elswijk, E., **Finger, G.**, **Fischer,**

G., Flores, H., François, P., Goldoni, P., Guglielmi, L., Haigron, R., Hanenburg, H., Hendriks, I., Horrobin, M., Horville, D., Jessen, N.C., **Kerber, F.**, **Kern, L.**, **Kiekebusch, M.**, Kleszcz, P., Klougart, J., Kragt, J., Larsen, H.H., **Lizon, J.-L.**, **Lucuix, C.**, **Mainieri, V.**, Manuputy, R., **Martayan, C.**, Mason, E., Mazzoleni, R., Michaelsen, N., **Modigliani, A.**, **Moehler, S.**, **Møller, P.**, Norup Sørensen, A., Nørregaard, P., Péroux, C., **Patat, F.**, **Pena, E.**, Pragt, J., **Reinero, C.**, Rigal, F., Riva, M., Roelfsema, R., Royer, F., Sacco, G., Santin, P., Schoenmaker, T., Spano, P., Sweers, E., Ter Horst, R., Tintori, M., Tromp, N., van Dael, P., van der Vliet, H., Venema, L., Vidal, M., **Vinther, J.**, Vola, P., Winters, R., Wistisen, D., Wulterkens, G., Zacchei, A., 2011, A&A, 536, 105 [[ADS](#)]

Post common envelope binaries from SDSS. XI. The white dwarf mass distributions of CVs and pre-CVs
Zorotovic, M., Schreiber, M.R., & Gänsicke, B.T., 2011, A&A, 536, 42 [[ADS](#)]

Post common envelope binaries from SDSS. XIII. Mass dependencies of the orbital period distribution
Zorotovic, M., Schreiber, M.R., Gänsicke, B.T., Rebassa-Mansergas, A., Nebot Gómez-Morán, A., Southworth, J., Schwöpe, A.D., Pyrzas, S., Rodríguez-Gil, P., **Schmidtobreick, L.**, Schwarz, R., Tappert, C., Toloza, O., & Vogt, N., 2011, A&A, 536, L3 [[ADS](#)]

Sunyaev-Zel'dovich observations of galaxy clusters out to the virial radius with the Arcminute Microkelvin Imager

Zwart, J.T.L., Feroz, F., Davies, M.L., Franzen, T.M.O., Grainge, K.J.B., Hobson, M.P., Hurley-Walker, N., Kneissl, R., Lasenby, A.N., Olamaie, M., Pooley, G.G., Rodríguez-González, C., Saunders, R.D.E., Scaife, A.M.M., Scott, P.F., Shimwell, T.W., Titterton, D.J., & Waldram, E.M., 2011, MNRAS, 418, 2754 [[ADS](#)]

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