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Cosmology

[GRB 050502B optical afterglow: a jet-break at high redshift](#)

Afonso, P., Greiner, J., **Pian, E.**, Covino, S., Malesani, D., **Küpcü Yoldaş, A.**, Krühler, T., Clemens, C., McBreen, S., Rau, A., Giannios, D., & Hjorth, J., 2011, A&A, 526, 154 [[ADS](#)]

Instruments: FORS2

[Stellar properties of \$z \sim 1\$ Lyman-break galaxies from ACS slitless grism spectra](#)

Nilsson, K.K., Möller-Nilsson, O., **Rosati, P.**, **Lombardi, M.**, **Kümmel, M.**, **Kuntschner, H.**, **Walsh, J.R.**, & **Fosbury, R.A.E.**, 2011, A&A, 526, 10 [[ADS](#)]

Instruments: ISAAC, VIMOS

[The evolution of the cosmic microwave background temperature. Measurements of TCMB at high redshift from carbon monoxide excitation](#)

Noterdaeme, P., Petitjean, P., Srianand, R., **Ledoux, C.**, & López, S., 2011, A&A, 526, L7 [[ADS](#)]

Interstellar Medium, Star Formation and Planetary Systems

[Adaptive optics observations of the T10 ultracool dwarf UGPS J072227.51-054031.2](#)

Bouy, H., **Girard, J.H.V.**, Martín, E.L., Huélamo, N., & Lucas, P.W., 2011, A&A, 526, 55 [[ADS](#)]

Instruments: NACO

[The HARPS search for southern extra-solar planets. XXVI. Two giant planets around M0 dwarfs](#)

Forveille, T., Bonfils, X., **Lo Curto, G.**, Delfosse, X., Udry, S., Bouchy, F., Lovis, C., Mayor, M., Moutou, C., **Naef, D.**, Pepe, F., Perrier, C., Queloz, D., & Santos, N., 2011, A&A, 526, 141 [[ADS](#)]

Instruments: HARPS

[Fundamental Vibrational Transition of CO During the Outburst of EX Lupi in 2008](#)

Goto, M., Regály, Z., Dullemond, C.P., **van den Ancker, M.**, Brown, J.M., Carmona, A., Pontoppidan, K., Abraham, P., Blake, G.A., Fedele, D., Henning, T., Juhász, A., Kóspál, Á., Mosoni, L., Sicilia-Aguilar, A., Terada, H., van Boekel, R., van Dishoeck, E.F., & Usuda, T., 2011, ApJ, 728, 5 [[ADS](#)]

Instruments: CRILES

[The HARPS search for southern extra-solar planets. XXIV. Companions to HD 85390, HD 90156, and HD 103197: a Neptune analog and two intermediate-mass planets](#)

Mordasini, C., Mayor, M., Udry, S., Lovis, C., Ségransan, D., Benz, W., Bertaux, J.-L., Bouchy, F., **Lo Curto, G.**, Moutou, C., **Naef, D.**, Pepe, F., Queloz, D., Santos, N.C., 2011, A&A, 526, 111 [[ADS](#)]

Instruments: HARPS

[X-shooter observations of the accreting brown dwarf J053825.4-024241](#)

Rigliaco, E., Natta, A., Randich, S., **Testi, L.**, Covino, E., Herczeg, G., & Alcalá, J.M., 2011, A&A, 526, L6 [[ADS](#)]

Instruments: X-SHOOTER

[The HARPS search for southern extrasolar planets. XXV. Results from the metal-poor sample](#)

Santos, N.C., Mayor, M., Bonfils, X., Dumusque, X., Bouchy, F., Figueira, P., Lovis, C., **Melo, C.**, Pepe, F., Queloz, D., Ségransan, D., Sousa, S.G., & Udry, S., 2011, A&A, 526, 112 [[ADS](#)]

Instruments: HARPS

[Mid-infrared interferometry towards the massive young stellar object CRL 2136: inside the dust rim](#)
de Wit, W.J., Hoare, M.G., Oudmaijer, R.D., **Nürnbergger, D.E.A.**, Wheelwright, H.E., & Lumsden, S.L., 2011, A&A, 526, L5 [[ADS](#)]
Instruments: MIDI

Stellar Evolution

[The hot horizontal-branch stars in \$\omega\$ Centauri](#)

Moehler, S., Dreizler, S., Lanz, T., Bono, G., Sweigart, A.V., **Calamida, A.**, & Nonino, M., 2011, A&A, 526, 136 [[ADS](#)]
Instruments: FLAMES-GIRAFFE

Miscellaneous

Gravitational redshifts in main-sequence and giant stars

Pasquini, L., **Melo, C.**, Chavero, C., Dravins, D., Ludwig, H.-G., Bonifacio, P., de La Reza, R., 2011, A&A, 526, 127 [[ADS](#)]
Instruments: FEROS2.2, FEROS1.5

Papers without ESO data

Mapping photodissociation and shocks in the vicinity of Sagittarius A*

Amo-Baladrón, M.A., Martín-Pintado, J., & **Martín, S.**, 2011, A&A, 526, 54 [[ADS](#)]

XMM-Newton investigations of the Lambda Orionis star-forming region (XILO). I. The young cluster Collinder 69

Barrado, D., Stelzer, B., Morales-Calderón, M., **Bayo, A.**, Huélamo, N., Stauffer, J.R., Hodgkin, S., Galindo, F., & Verdugo, E., 2011, A&A, 526, 21 [[ADS](#)]

The XMM Deep survey in the CDF-S. I. First results on heavily obscured AGN

Comastri, A., Ranalli, P., Iwasawa, K., Vignali, C., Gilli, R., Georgantopoulos, I., Barcons, X., Brandt, W.N., Brunner, H., Brusa, M., Cappelluti, N., Carrera, F.J., Civano, F., Fiore, F., Hasinger, G., **Mainieri, V.**, Merloni, A., Nicastro, F., Paolillo, M., Puccetti, S., Rosati, P., Silverman, J.D., Tozzi, P., Zamorani, G., Balestra, I., Bauer, F.E., Luo, B., & Xue, Y.Q., 2011, A&A, 526, L9 [[ADS](#)]

A study of three southern high-mass star-forming regions

Dedes, C., **Leurini, S.**, Wyrowski, F., Schilke, P., Menten, K.M., Thorwirth, S., & Ott, J., 2011, A&A, 526, 59 [[ADS](#)]

High time resolution optical/X-ray cross-correlations for X-ray binaries: anticorrelations and rapid variability

Durant, M., Shahbaz, T., Gandhi, P., Cornelisse, R., Muñoz-Darias, T., Casares, J., Dhillon, V., Marsh, T., Spruit, H., **O'Brien, K.**, Steeghs, D., & Hynes, R., 2011, MNRAS, 410, 2329 [[ADS](#)]

The two-component jet of GRB 080413B

Filgas, R., Krühler, T., Greiner, J., Rau, A., Palazzi, E., Klose, S., Schady, P., Rossi, A., Afonso, P.M.J., Antonelli, L.A., Clemens, C., Covino, S., D'Avanzo, P., **Küpcü Yoldaş, A.**, Nardini, M., Nicuesa Guelbenzu, A., Olivares, F., Updike, E.A.C., & Yoldaş, A., 2011, A&A, 526, 113 [[ADS](#)]

A Multi-epoch Study of the Radio Continuum Emission of Orion Source. I. Constraints on the Disk Evolution of a Massive YSO and the Dynamical History of Orion BN/KL

Goddi, C., **Humphreys, E.M.L.**, Greenhill, L.J., Chandler, C.J., & Matthews, L.D., 2011, ApJ, 728, 15 [[ADS](#)]

Photometric redshifts for gamma-ray burst afterglows from GROND and Swift/UVOT

Krühler, T., Schady, P., Greiner, J., Afonso, P., Bottacini, E., Clemens, C., Filgas, R., Klose, S., Koch, T.S., **Küpcü-Yoldaş, A.**, Oates, S.R., Olivares, E., F., Page, M.J., McBreen, S., Nardini, M., Nicuesa Guelbenzu, A., Rau, A., Roming, P.W.A., Rossi, A., Updike, A., & Yoldaş, A., 2011, A&A, 526, 153 [[ADS](#)]

Asymmetric heating of the HR 4796A dust ring due to pericenter glow

Moerchen, M.M., Churcher, L.J., Telesco, C.M., Wyatt, M., Fisher, R.S., & Packham, C., 2011, A&A, 526, 34 [[ADS](#)]

A Panchromatic Study of BLAST Counterparts: Total Star Formation Rate, Morphology, Active Galactic Nucleus Fraction, and Stellar Mass

Moncelsi, L., Ade, P.A.R., Chapin, E.L., **Cortese, L.**, Devlin, M.J., Dye, S., Eales, S., Griffin, M., Halpern, M., Hargrave, P.C., Marsden, G., Mayskopf, P., Netterfield, C.B., Pascale, E., Scott, D., Truch, M.D.P., Tucker, C., Viero, M.P., & Wiebe, D.V., 2011, ApJ, 727, 83 [\[ADS\]](#)

The Widespread Occurrence of Water Vapor in the Circumstellar Envelopes of Carbon-rich Asymptotic Giant Branch Stars: First Results from a Survey with Herschel/HIFI

Neufeld, D.A., González-Alfonso, E., Melnick, G., Szczerba, R., Schmidt, M., Decin, L., Alcolea, J., de Koter, A., Schöier, F.L., Bujarrabal, V., Cernicharo, J., Dominik, C., Justtanont, K., Marston, A.P., Menten, K., Olofsson, H., **Planesas, P.**, Teyssier, D., & Waters, L.B.F.M., 2011, ApJ, 727, L29 [\[ADS\]](#)

INTEGRAL observations of the GeV blazar PKS 1502+106 and the hard X-ray bright Seyfert galaxy Mkn 841

Pian, E., Ubertini, P., Bazzano, A., Beckmann, V., Eckert, D., Ghisellini, G., Pursimo, T., Tagliaferri, G., Tavecchio, F., Türler, M., Bianchi, S., Bianchin, V., Hudec, R., Maraschi, L., Raiteri, C.M., Soldi, S., Treves, A., & Villata, M., 2011, A&A, 526, 125 [\[ADS\]](#)

HERMES: a high-resolution fibre-fed spectrograph for the Mercator telescope

Raskin, G., van Winckel, H., Hensberge, H., Jorissen, A., Lehmann, H., Waelkens, C., **Avila, G.**, de Cuyper, J.-P., Degroote, P., Dubosson, R., Dumortier, L., Frémat, Y., Laux, U., Michaud, B., Morren, J., Perez Padilla, J., Pessemier, W., Prins, S., Smolders, K., van Eck, S., Winkler, J., 2011, A&A, 526, 69 [\[ADS\]](#)

How old are the stars in the halo of NGC 5128 (Centaurus A)?

Rejkuba, M., Harris, W.E., Greggio, L., & Harris, G.L.H., 2011, A&A, 526, 123 [\[ADS\]](#)

Magnetic Fields in Evolved Stars: Imaging the Polarized Emission of High-frequency SiO Masers

Vlemmings, W.H.T., **Humphreys, E.M.L.**, & Franco-Hernández, R., 2011, ApJ, 728, 149 [\[ADS\]](#)

Galaxy Clustering in the NEWFIRM Medium Band Survey: The Relationship Between Stellar Mass and Dark Matter Halo Mass at $1 < z < 2$

Wake, D.A., Whitaker, K.E., Labbé, I., van Dokkum, P.G., Franx, M., Quadri, R., **Brammer, G.**, Kriek, M., Lundgren, B.F., Marchesini, D., & Muzzin, A., 2011, ApJ, 728, 46 [\[ADS\]](#)

Galaxy and mass assembly (GAMA): dust obscuration in galaxies and their recent star formation histories

Wijesinghe, D.B., Hopkins, A.M., Sharp, R., Gunawardhana, M., Brough, S., Sadler, E.M., Driver, S., Baldry, I., Bamford, S., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J., Popescu, C.C., Tuffs, R.J., Bland-Hawthorn, J., Cameron, E., Croom, S., Frenk, C., Hill, D., Jones, D.H., **van Kampen, E.**, Kelvin, L., Kuijken, K., Madore, B., Nichol, B., Parkinson, H., Pimblet, K.A., Prescott, M., Robotham, A.S.G., Seibert, M., Simmat, E., Sutherland, W., Taylor, E., & Thomas, D., 2011, MNRAS, 410, 2291 [\[ADS\]](#)

The Submillimeter $j = 6-5$ Line of ^{13}CO in Orion

Wilson, T.L., Muders, D., **Dumke, M.**, Henkel, C., & Kawamura, J.H., 2011, ApJ, 728, 61 [\[ADS\]](#)

Differential rotation in rapidly rotating early-type stars. I. Motivations for combined spectroscopic and interferometric studies

Zorec, J., Frémat, Y., Domiciano de Souza, A., Delaa, O., Stee, P., Mourard, D., Cidale, L., **Martayan, C.**, Georgy, C., & Ekström, S., 2011, A&A, 526, 87 [\[ADS\]](#)

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