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Cosmology

[Very Large Telescope Spectropolarimetry of Broad Absorption Line QSOs](#)

DiPompeo, M.A., Brotherton, M.S., & De Breuck, C., 2011, ApJS, 193, 9 [[ADS](#)]

Instruments: FORS1, FORS2

Galaxies and Galactic Nuclei

[Study of the Sextans dwarf spheroidal galaxy from the DART Ca II triplet survey](#)

Battaglia, G., Tolstoy, E., Helmi, A., Irwin, M., Parisi, P., Hill, V., & Jablonka, P., 2011, MNRAS, 411, 1013 [[ADS](#)]

Instruments: WFI, FLAMES-GIRAFFE

[The VMC survey. I. Strategy and first data](#)

Cioni, M.-R.L., Clementini, G., Girardi, L., Guandalini, R., Gullieuszik, M., Miszalski, B., Moretti, M.-I., Ripepi, V., Rubele, S., Bagheri, G., Bekki, K., Cross, N., de Blok, W.J.G., de Grijs, R., Emerson, J.P., Evans, C.J., Gibson, B., Gonzales-Solares, E., Groenewegen, M.A.T., Irwin, M., Ivanov, V.D., Lewis, J., Marconi, M., Marquette, J.-B., Mastrogiuseppe, C., Moore, B., Napiwotzki, R., Naylor, T., Oliveira, J.M., Read, M., Sutorius, E., van Loon, J.T., Wilkinson, M.I., Wood, P.R., 2011, A&A, 527, 116 [[ADS](#)]

Instruments: VIRCAM

[Discovery of VVV CL001. A low-mass globular cluster next to UKS 1 in the direction of the Galactic bulge](#)

Minniti, D., Hempel, M., Toledo, I., Ivanov, V.D., Alonso-García, J., Saito, R.K., Catelan, M., Geisler, D., Jordán, A., Borissova, J., Zoccali, M., Kurtev, R., Carraro, G., Barbuy, B., Clariá, J., Rejkuba, M., Emerson, J., & Moni Bidin, C., 2011, A&A, 527, 81 [[ADS](#)]

Instruments: VIRCAM

[VLT-VIMOS integral field spectroscopy of luminous and ultraluminous infrared galaxies. III. The atlas of the stellar and ionized gas distribution](#)

Rodríguez-Zaurín, J., Arribas, S., Monreal-Ibero, A., Colina, L., Alonso-Herrero, A., & Alfonso-Garzón, J., 2011, A&A, 527, 60 [[ADS](#)]

Instruments: VIMOS

[The unmixed kinematics and origins of diffuse stellar light in the core of the Hydra I cluster \(Abell 1060\)](#)

Ventimiglia, G., Arnaboldi, M., & Gerhard, O., 2011, A&A, 528, 24 [[ADS](#)]

Instruments: FORS2

Interstellar Medium, Star Formation and Planetary Systems

[A Combined Subaru/VLT/MMT 1-5 \$\mu\$ m Study of Planets Orbiting HR 8799: Implications for Atmospheric Properties, Masses, and Formation](#)

Currie, T., Burrows, A., Itoh, Y., Matsumura, S., Fukagawa, M., Apai, D., Madhusudhan, N., Hinz, P.M., Rodigas, T.J., Kasper, M., Pyo, T.-S., Ogino, S., 2011, ApJ, 729, 128 [[ADS](#)]

Instruments: NACO

[The HARPS search for southern extra-solar planets. XXVIII. Up to seven planets orbiting HD 10180: probing the architecture of low-mass planetary systems](#)

Louis, C., Ségransan, D., Mayor, M., Udry, S., Benz, W., Bertaux, J.-L., Bouchy, F., Correia, A.C.M., Laskar, J., Lo

Curto, G., Mordasini, C., Pepe, F., Queloz, D., Santos, N.C., 2011, A&A, 528, 112 [[ADS](#)]
Instruments: HARPS

[The HARPS search for southern extra-solar planets. XXVII. Seven new planetary systems](#)

Moutou, C., Mayor, M., **Lo Curto, G.**, Ségransan, D., Udry, S., Bouchy, F., Benz, W., Lovis, C., Naef, D., Pepe, F., Queloz, D., Santos, N.C., & Sousa, S.G., 2011, A&A, 527, 63 [[ADS](#)]
Instruments: HARPS

[Warm dust resolved in the cold disk around T Chamaeleontis with VLT/AMBER](#)

Olofsson, J., Benisty, M., Augereau, J.-C., Pinte, C., Ménard, F., Tatulli, E., **Berger, J.-P.**, Malbet, F., Merín, B., van Dishoeck, E.F., Lacour, S., Pontoppidan, K.M., Monin, J.-L., Brown, J.M., Blake, G.A., 2011, A&A, 528, L6 [[ADS](#)]
Instruments: AMBER

Stellar Evolution

[Lithium abundances and extra mixing processes in evolved stars of M 67](#)

Canto Martins, B.L., Lèbre, A., Palacios, A., de Laverny, P., Richard, O., **Melo, C.H.F.**, Do Nascimento, J.D.J., & de Medeiros, J.R., 2011, A&A, 527, 94 [[ADS](#)]
Instruments: FLAMES-UV

[GLIMPSE-CO1: the most massive intermediate-age stellar cluster in the Galaxy](#)

Davies, B., Bastian, N., Gieles, M., Seth, A.C., **Mengel, S.**, & Konstantopoulos, I.S., 2011, MNRAS, 411, 1386 [[ADS](#)]
Instruments: ISAAC

[The discovery of rapid oscillations in the magnetic Ap stars HD 69013 and HD 96237](#)

Elkin, V.G., Kurtz, D.W., Worters, H.L., **Mathys, G.**, Smalley, B., van Wyk, F., & Smith, A.M.S., 2011, MNRAS, 411, 978 [[ADS](#)]
Instruments: UVES, FEROS2.2

[Tracing the evolution of NGC 6397 through the chemical composition of its stellar populations](#)

Lind, K., Charbonnel, C., Decressin, T., **Primas, F.**, Grundahl, F., & Asplund, M., 2011, A&A, 527, 148 [[ADS](#)]
Instruments: FLAMES-GIRAFFE

[A disc inside the bipolar planetary nebula M2-9](#)

Lykou, F., Chesneau, O., Zijlstra, A.A., Castro-Carrizo, A., **Lagadec, E.**, Balick, B., & Smith, N., 2011, A&A, 527, 105 [[ADS](#)]
Instruments: NACO, MIDI

[ETHOS 1: a high-latitude planetary nebula with jets forged by a post-common-envelope binary central star](#)

Miszalski, B., Corradi, R.L.M., **Boffin, H.M.J.**, Jones, D., Sabin, L., Santander-García, M., Rodríguez-Gil, P., & Rubio-Díez, M.M., 2011, MNRAS, , 178 [[ADS](#)]
Instruments: FORS2

Miscellaneous

[First stars. XIII. Two extremely metal-poor RR Lyrae stars](#)

Hansen, C.J., Nordström, B., Bonifacio, P., Spite, M., Andersen, J., Beers, T.C., Cayrel, R., Spite, F., Molaro, P., Barbuy, B., Depagne, E., François, P., Hill, V., Plez, B., & Sivarani, T., 2011, A&A, 527, 65 [[ADS](#)]
Instruments: UVES

[First stars. XIV. Sulfur abundances in extremely metal-poor stars](#)

Spite, M., Caffau, E., Andrievsky, S.M., Korotin, S.A., Depagne, E., Spite, F., Bonifacio, P., Ludwig, H.-G., Cayrel, R., François, P., Hill, V., Plez, B., Andersen, J., Barbuy, B., Beers, T.C., Molaro, P., Nordström, B., **Primas, F.**, 2011, A&A, 528, 9 [[ADS](#)]
Instruments: UVES

[A Sub-Saturn Mass Planet. MOA-2009-BLG-319Lb](#)

Miyake, N., Sumi, T., Dong, S., Street, R., Mancini, L., Gould, A., Bennett, D.P., Tsapras, Y., Yee, J.C., Albrow,

M.D., Bond, I.A., Fouqué, P., Browne, P., Han, C., **Snodgrass, C.**, Finet, F., Furusawa, K., Harpsøe, K., Allen, W., Hundertmark, M., Freeman, M., Suzuki, D., Abe, F., Botzler, C.S., Douchin, D., Fukui, A., Hayashi, F., Hearnshaw, J.B., Hosaka, S., Itow, Y., Kamiya, K., Kilmartin, P.M., Korpela, A., Lin, W., Ling, C.H., Makita, S., Masuda, K., Matsubara, Y., Muraki, Y., Nagayama, T., Nishimoto, K., Ohnishi, K., Perrott, Y.C., Rattenbury, N., Saito, T., Skuljan, L., Sullivan, D.J., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., MOA Collaboration, M.C., Bolt, G., Bos, M., Christie, G.W., DePoy, D.L., Drummond, J., Gal-Yam, A., Gaudi, B.S., Gorbikov, E., Higgins, D., Hwang, K.-H., Janczak, J., Kaspi, S., Lee, C.-U., Koo, J.-R., Kozłowski, S., Lee, Y., Mallia, F., Maury, A., Maoz, D., McCormick, J., Monard, L.A.G., Moorhouse, D., Muñoz, J.A., Natusch, T., Ofek, E.O., Pogge, R.W., Polishook, D., Santallo, R., Shporer, A., Spector, O., Thornley, G., μ FUN Collaboration, μ C., Allan, A., **Bramich, D.M.**, Horne, K., Kains, N., Steele, I., RoboNet Collaboration, R.C., Bozza, V., Burgdorf, M.J., Calchi Novati, S., Dominik, M., Dreizler, S., Glittrup, M., Hessman, F.V., Hinse, T.C., Jørgensen, U.G., Liebig, C., Maier, G., Mathiasen, M., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Southworth, J., Surdej, J., Wambsganss, J., Zimmer, F., MINDSTEP Consortium, M.C., Batista, V., Beaulieu, J.P., **Brilliant, S.**, Cassan, A., Cole, A., Corrales, E., Coutures, C., Dieters, S., Greenhill, J., **Kubas, D.**, Menzies, J., PLANET Collaboration, P.C., 2011, ApJ, 728, 120 [\[ADS\]](#)

Polycyclic Aromatic Hydrocarbons and the Diffuse Interstellar Bands: A Survey

Salama, F., Galazutdinov, G.A., Krelowski, J., Biennier, L., **Beletsky, Y.**, & Song, I.-O., 2011, ApJ, 728, 154 [\[ADS\]](#)
Instruments: UVES

Papers without ESO data

Submillimetre galaxies reside in dark matter haloes with masses greater than 3×10^{11} solar masses

Amblard, A., Cooray, A., Serra, P., Altieri, B., Arumugam, V., Aussel, H., Blain, A., Bock, J., Boselli, A., Buat, V., Castro-Rodríguez, N., Cava, A., Chianal, P., Chapin, E., Clements, D.L., Conley, A., Conversi, L., Dowell, C.D., Dwek, E., Eales, S., Elbaz, D., Farrah, D., Franceschini, A., Gear, W., Glenn, J., Griffin, M., Halpern, M., **Hatziminaoglou, E.**, Ibar, E., Isaak, K., Ivison, R.J., Khostovan, A.A., Lagache, G., Levenson, L., Lu, N., Madden, S., Maffei, B., Mainetti, G., Marchetti, L., Marsden, G., Mitchell-Wynne, K., Nguyen, H.T., O'Halloran, B., Oliver, S.J., Omont, A., Page, M.J., Panuzzo, P., Papageorgiou, A., Pearson, C.P., Pérez-Fournon, I., Pohlen, M., Rangwala, N., Roseboom, I.G., Rowan-Robinson, M., Portal, M.S., Schulz, B., Scott, D., Seymour, N., Shupe, D.L., Smith, A.J., Stevens, J.A., Symeonidis, M., Trichas, M., Tugwell, K., Vaccari, M., Valiante, E., Valtchanov, I., Vieira, J.D., Vigroux, L., Wang, L., Ward, R., Wright, G., Xu, C.K., & Zemcov, M., 2011, Natur, 470, 510 [\[ADS\]](#)

Strong radial segregation between sub-populations of evolutionary homogeneous stars in the Galactic globular cluster NGC 6752

Kravtsov, V., Alcaíno, G., **Marconi, G.**, & Alvarado, F., 2011, A&A, 527, L9 [\[ADS\]](#)

The Submillimeter Array 1.3 mm line survey of Arp 220

Martín, S., Krips, M., Martín-Pintado, J., Aalto, S., Zhao, J.-H., Peck, A.B., Petitpas, G.R., Monje, R., Greve, T.R., An, T., 2011, A&A, 527, 36 [\[ADS\]](#)

Lyman- α emitters as tracers of the transitioning Universe

Nilsson, K.K., & **Møller, P.**, 2011, A&A, 527, L7 [\[ADS\]](#)

The microjansky and nanojansky radio sky: source population and multiwavelength properties

Padovani, P., 2011, MNRAS, 411, 1547 [\[ADS\]](#)

Asymmetries in the type IIn SN 2010jl

Patat, F., Taubenberger, S., Benetti, S., Pastorello, A., & Harutyunyan, A., 2011, A&A, 527, L6 [\[ADS\]](#)

Star formation in the outer Galaxy: membership and fundamental parameters of the young open cluster NGC 1893

Prisinzano, L., Sanz-Forcada, J., Micela, G., Caramazza, M., Guarcello, M.G., Sciortino, S., & **Testi, L.**, 2011, A&A, 527, 77 [\[ADS\]](#)

The Revised Orbit of the δ Sco System

Tycner, C., Ames, A., Zavala, R.T., **Hummel, C.A.**, Benson, J.A., & Hutter, D.J., 2011, ApJ, 729, L5 [\[ADS\]](#)

The SAGE-Spec Spitzer Legacy programme: the life-cycle of dust and gas in the Large Magellanic Cloud - Point source classification I

Woods, P.M., Oliveira, J.M., Kemper, F., van Loon, J.T., Sargent, B.A., Matsuura, M., Szczerba, R., Volk, K., Zijlstra, A.A., Sloan, G.C., **Lagadec, E.**, McDonald, I., Jones, O., Gorjian, V., Kraemer, K.E., Gielen, C., Meixner,

M., Blum, R.D., Sewilo, M., Riebel, D., Shiao, B., Chen, C.-H.R., Boyer, M.L., Indebetouw, R., Antoniou, V., Bernard, J.-P., Cohen, M., Dijkstra, C., Galametz, M., Galliano, F., Gordon, K.D., Harris, J., Hony, S., Hora, J.L., Kawamura, A., Lawton, B., Leisenring, J.M., Madden, S., Marengo, M., McGuire, C., Mulia, A.J., O'Halloran, B., Olsen, K., Paladini, R., Paradis, D., Reach, W.T., Rubin, D., Sandstrom, K., Soszyński, I., Speck, A.K., Srinivasan, S., Tielens, A.G.G.M., van Aarle, E., van Dyk, S.D., van Winckel, H., Vijh, U.P., Whitney, B., Wilkins, A.N., 2011, MNRAS, 411, 1597 [[ADS](#)]

Astrophysical Parameters and Habitable Zone of the Exoplanet Hosting Star GJ 581

von Braun, K., Boyajian, T.S., Kane, S.R., **van Belle, G.T.**, Ciardi, D.R., López-Morales, M., McAlister, H.A., Henry, T.J., Jao, W.-C., Riedel, A.R., Subasavage, J.P., Schaefer, G., ten Brummelaar, T.A., Ridgway, S., Sturmann, L., Sturmann, J., Mazingue, J., Turner, N.H., Farrington, C., Goldfinger, P.J., Boden, A.F., 2011, ApJ, 729, L26 [[ADS](#)]

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