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Cosmology

[Stardust-NExT, Deep Impact, and the accelerating spin of 9P/Tempel 1](#)

Belton, M.J.S., Meech, K.J., Chesley, S., Pittichová, J., Carcich, B., Drahus, M., Harris, A., Gillam, S., Veverka, J., Mastrodemos, N., Owen, W., A'Hearn, M.F., Bagnulo, S., Bai, J., Barrera, L., Bastien, F., Bauer, J.M., Bedient, J., Bhatt, B.C., Boehnhardt, H., Brosch, N., Buie, M., Candia, P., Chen, W.-P., Chiang, P., Choi, Y.-J., Cochran, A., Crockett, C.J., Duddy, S., Farnham, T., Fernández, Y.R., Gutiérrez, P., **Hainaut, O.R.**, Hampton, D., Herrmann, K.A., Hsieh, H., Kadooka, M.A., Kaluna, H., Keane, J., Kim, M.-J., Klaasen, K., Kleyna, J., Krisciunas, K., Lara, L.M., Lauer, T.R., Li, J.-Y., Licandro, J., Lisse, C.M., Lowry, S.C., McFadden, L., Moskovitz, N., Mueller, B., Polishook, D., Raja, N.S., Riesen, T., Sahu, D.K., Samarasinha, N., Sarid, G., Sekiguchi, T., Sonnett, S., Suntzeff, N.B., Taylor, B.W., Thomas, P., Tozzi, G.P., Vasundhara, R., Vincent, J.-B., Wasserman, L.H., Webster-Schultz, B., Yang, B., Zenn, T., Zhao, H., 2011, *Icar*, 213, 345 [[ADS](#)]

Instruments: FORS1, WFI, EMMI, SUSI2

[A Photometric Redshift of \$z \sim 9.4\$ for GRB 090429B](#)

Cucchiara, A., Levan, A.J., Fox, D.B., Tanvir, N.R., Ukwatta, T.N., Berger, E., Krühler, T., **Küpcü Yoldaş, A.**, Wu, X.F., Toma1, K., Greiner, J., Olivares E., F., Rowlinson, A., Amati, L., Sakamoto, T., Roth, K., Stephens, A., Fynbo, J.P.U., Hjorth, J., Malesani, D., Jakobsson, P., Wiersema, K., O'Brien, P.T., Soderberg, A.M., Foley, R.J., Fruchter, A.S., Rhoads, J., Rutledge, R.E., Schmidt, B.P., Dopita, M.A., Podsiadlowski, P., Willingale, R., Wolf, C., Kulkarni, S.R., & D'Avanzo, P., 2011, *arXiv*, 1105, 4915 [[ADS](#)]

Instruments: FORS2

[Galaxy counterparts of metal-rich damped Ly \$\alpha\$ absorbers - II. A solar-metallicity and dusty DLA at \$z_{\text{abs}} = 2.58\$](#)

Fynbo, J.P.U., **Ledoux, C.**, Noterdaeme, P., Christensen, L., **Møller, P.**, Durgapal, A.K., Goldoni, P., Kaper, L., Krogager, J.-K., Laursen, P., Maund, J.R., Milvang-Jensen, B., Okoshi, K., Rasmussen, P.K., Thorsen, T.J., Toft, S., Zafar, T., 2011, *MNRAS*, 413, 2481 [[ADS](#)]

Instruments: X-SHOOTER

[Deep Impact, Stardust-NExT and the behavior of Comet 9P/Tempel 1 from 1997 to 2010](#)

Meech, K.J., Pittichová, J., Yang, B., Zenn, A., Belton, M.J.S., A'Hearn, M.F., Bagnulo, S., Bai, J., Barrera, L., Bauer, J.M., Bedient, J., Bhatt, B.C., Boehnhardt, H., Brosch, N., Buie, M., Candia, P., Chen, W.-P., Chesley, S., Chiang, P., Choi, Y.-J., Cochran, A., Duddy, S., Farnham, T.L., Fernández, Y., Gutiérrez, P., **Hainaut, O.R.**, Hampton, D., Herrmann, K., Hsieh, H., Kadooka, M.A., Kaluna, H., Keane, J., Kim, M.-J., Kleyna, J., Krisciunas, K., Lauer, T.R., Lara, L., Licandro, J., Lowry, S.C., McFadden, L.A., Moskovitz, N., Mueller, B.E.A., Polishook, D., Raja, N.S., Riesen, T., Sahu, D.K., Samarasinha, N.H., Sarid, G., Sekiguchi, T., Sonnett, S., Suntzeff, N., Taylor, B., Tozzi, G.P., Vasundhara, R., Vincent, J.-B., Wasserman, L., Webster-Schultz, B., Zhao, H., 2011, *Icar*, 213, 323 [[ADS](#)]

Instruments: FORS1, WFI, EMMI, SUSI2

[HD 135344B: a young star has reached its rotational limit](#)

Müller, A., van den Ancker, M.E., Launhardt, R., Pott, J.U., Fedele, D., & Henning, T., 2011, *A&A*, 530, 85 [[ADS](#)]

Instruments: FEROS2.2

[Early-type Galaxies at \$z \sim 1.3\$. III. On the Dependence of Formation Epochs and Star Formation Histories on Stellar Mass and Environment](#)

Rettura, A., Mei, S., Stanford, S.A., Raichoor, A., Moran, S., Holden, B., **Rosati, P.**, Ellis, R., Nakata, F., Nonino, M., Treu, T., Blakeslee, J.P., Demarco, R., Eisenhardt, P., Ford, H.C., **Fosbury, R.A.E.**, Illingworth, G., Huertas-Company, M., Jee, M.J., Kodama, T., Postman, M., Tanaka, M., & White, R.L., 2011, *ApJ*, 732, 94 [[ADS](#)]

Instruments: FORS2, ISAAC, VIMOS

Galaxies and Galactic Nuclei

[Nuclei of early-type dwarf galaxies: insights from stellar populations](#)

Paudel, S., Lisker, T., & **Kuntschner, H.**, 2011, MNRAS, 413, 1764 [[ADS](#)]

Instruments: FORS2

Interstellar Medium, Star Formation and Planetary Systems

[MOA-2009-BLG-387Lb: a massive planet orbiting an M dwarf](#)

Batista, V., Gould, A., Dieters, S., Dong, S., Bond, I., Beaulieu, J.P., Maoz, D., Monard, B., Christie, G.W., McCormick, J., Albrow, M.D., Horne, K., Tsapras, Y., Burgdorf, M.J., Calchi Novati, S., Skottfelt, J., Caldwell, J., Kozłowski, S., Kubas, D., Gaudi, B.S., Han, C., Bennett, D.P., & An, J., 2011, A&A, 529, 102 [[ADS](#)]

Instruments: NACO

[The VLT-FLAMES Tarantula Survey. I. Introduction and observational overview](#)

Evans, C.J., Taylor, W.D., Hénault-Brunet, V., Sana, H., de Koter, A., Simón-Díaz, S., **Carraro, G.**, Bagnoli, T., Bastian, N., Bestenlehner, J.M., Bonanos, A.Z., **Bressert, E.**, Brott, I., Campbell, M.A., Cantiello, M., Clark, J.S., Costa, E., Crowther, P.A., de Mink, S.E., Doran, E., Dufton, P.L., Dunstall, P.R., Friedrich, K., Garcia, M., Gieles, M., Gräfener, G., Herrero, A., Howarth, I.D., Izzard, R.G., Langer, N., Lennon, D.J., Maíz Apellániz, J., Markova, N., Najarro, F., Puls, J., Ramirez, O.H., Sabín-Sanjulián, C., Smartt, S.J., Stroud, V.E., van Loon, J.T., Vink, J.S., & Walborn, N.R., 2011, A&A, 530, 108 [[ADS](#)]

Instruments: WFI, FLAMES-UV, FLAMES-GIRAFFE

Stellar Evolution

[The VLT-FLAMES Tarantula Survey III: A very massive star in apparent isolation from the massive cluster R136](#)

Bestenlehner, J.M., Vink, J.S., Gräfener, G., Najarro, F., Evans, C.J., Bastian, N., Bonanos, A.Z., **Bressert, E.**, Crowther, P.A., Doran, E., Friedrich, K., Hénault-Brunet, V., Herrero, A., de Koter, A., Langer, N., Lennon, D.J., Maíz Apellániz, J., Sana, H., Soszynski, I., & Taylor, W.D., 2011, arXiv, 1105, 1775 [[ADS](#)]

Instruments: FLAMES-UV, FLAMES-GIRAFFE

[AMBER observations of the AGB star RS Capricorni: extended atmosphere and comparison with stellar models](#)

Martí-Vidal, I., Marcaide, J.M., Quirrenbach, A., Ohnaka, K., Guirado, J.C., & **Wittkowski, M.**, 2011, A&A, 529, 115 [[ADS](#)]

Instruments: AMBER

[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, 413, 1264 [[ADS](#)]

Instruments: FORS2

[NGC 1866: a milestone for understanding the chemical evolution of stellar populations in the Large Magellanic Cloud](#)

Mucciarelli, A., Cristallo, S., Brocato, E., **Pasquini, L.**, Straniero, O., Caffau, E., Raimondo, G., **Kaufer, A.**, Musella, I., Ripepi, V., **Romaniello, M.**, & Walker, A.R., 2011, MNRAS, 413, 837 [[ADS](#)]

Instruments: FLAMES-UV, FLAMES-GIRAFFE

[The VLT-FLAMES Tarantula Survey. II. R139 revealed as a massive binary system](#)

Taylor, W.D., Evans, C.J., Sana, H., Walborn, N.R., de Mink, S.E., Stroud, V.E., **Alvarez-Candal, A.**, Barbá, R.H., Bestenlehner, J.M., Bonanos, A.Z., Brott, I., Crowther, P.A., de Koter, A., Friedrich, K., Gräfener, G., Hénault-Brunet, V., Herrero, A., Kaper, L., Langer, N., Lennon, D.J., Maíz Apellániz, J., Markova, N., Morrell, N., **Monaco, L.**, & Vink, J.S., 2011, A&A, 530, L10 [[ADS](#)]

Instruments: FEROS2.2, FLAMES-UV, FLAMES-GIRAFFE

Papers without ESO data

CCD time-series photometry of the globular cluster NGC 6981: variable star census and physical parameter estimates

Bramich, D.M., Figuera Jaimes, R., Giridhar, S., & Arellano Ferro, A., 2011, MNRAS, 413, 1275 [[ADS](#)]

Galaxy and Mass Assembly (GAMA): galaxies at the faint end of the H α luminosity function

Brough, S., Hopkins, A.M., Sharp, R.G., Gunawardhana, M., Wijesinghe, D., Robotham, A.S.G., Driver, S.P., Baldry, I.K., Bamford, S.P., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J.A., Bland-Hawthorn, J., Brown, M.J.I., Cameron, E., Croom, S.M., Frenk, C.S., Foster, C., Hill, D.T., Jones, D.H., Kelvin, L.S., Kuijken, K., Nichol, R.C., Parkinson, H.R., Pimbblet, K., Popescu, C.C., Prescott, M., Sutherland, W.J., Taylor, E., Thomas, D., Tuffs, R.J., & **van Kampen, E.**, 2011, MNRAS, 413, 1236 [[ADS](#)]

The ATLAS3D project - I. A volume-limited sample of 260 nearby early-type galaxies: science goals and selection criteria

Cappellari, M., **Emsellem, E.**, **Krajnović, D.**, McDermid, R.M., Scott, N., Verdoes Kleijn, G.A., Young, L.M., Alatalo, K., Bacon, R., Blitz, L., **Bois, M.**, Bournaud, F., Bureau, M., Davies, R.L., Davis, T.A., **de Zeeuw, P.T.**, Duc, P.-A., Khochfar, S., **Kuntschner, H.**, Lablanche, P.-Y., Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Serra, P., Weijmans, A.-M., 2011, MNRAS, 413, 813 [[ADS](#)]

Deep asteroseismic sounding of the compact hot B subdwarf pulsator KIC02697388 from Kepler time series photometry

Charpinet, S., van Grootel, V., Fontaine, G., Green, E.M., Brassard, P., **Randall, S.K.**, Silvotti, R., Østensen, R.H., Kjeldsen, H., Christensen-Dalsgaard, J., Kawaler, S.D., Clarke, B.D., Li, J., & Wohler, B., 2011, A&A, 530, 3 [[ADS](#)]

Colder and Hotter: Interferometric Imaging of β Cassiopeiae and α Leonis

Che, X., Monnier, J.D., Zhao, M., Pedretti, E., Thureau, N., **Mérand, A.**, ten Brummelaar, T., McAlister, H., Ridgway, S.T., Turner, N., Sturmman, J., & Sturmman, L., 2011, ApJ, 732, 68 [[ADS](#)]

GRB 071028B, a burst behind large amounts of dust in an unabsorbed galaxy

Clemens, C., Greiner, J., Krühler, T., Pierini, D., Savaglio, S., Klose, S., Afonso, P.M.J., Filgas, R., Olivares, F.E., Rau, A., Schady, P., Rossi, A., **Küpcü Yoldaş, A.**, Updike, A.C., & Yoldaş, A., 2011, A&A, 529, 110 [[ADS](#)]

Redshifted H I and OH absorption in radio galaxies and quasars

Curran, S.J., Whiting, M.T., Murphy, M.T., Webb, J.K., Bignell, C., Polatidis, A.G., **Wiklind, T.**, Francis, P., & Langston, G., 2011, MNRAS, 413, 1165 [[ADS](#)]

HD 181068: A Red Giant in a Triply Eclipsing Compact Hierarchical Triple System

Derekas, A., Kiss, L.L., Borkovits, T., Huber, D., Lehmann, H., Southworth, J., Bedding, T.R., Balam, D., Hartmann, M., Hrudkova, M., Ireland, M.J., Kovács, J., Mező, G., Moór, A., Niemczura, E., Sarty, G.E., Szabó, G.M., Szabó, R., Telting, J.H., Tkachenko, A., Uytterhoeven, K., Benkő, J.M., Bryson, S.T., Maestro, V., Simon, A.E., Stello, D., Schaefer, G., Aerts, C., ten Brummelaar, T.A., De Cat, P., McAlister, H.A., Maceroni, C., **Mérand, A.**, Still, M., Sturmman, J., Sturmman, L., Turner, N., Tuthill, P.G., Christensen-Dalsgaard, J., Gilliland, R.L., Kjeldsen, H., Quintana, E.V., Tenenbaum, P., & Twicken, J.D., 2011, Sci, 332, 216 [[ADS](#)]

Deuteration as an evolutionary tracer in massive-star formation

Fontani, F., Palau, A., Caselli, P., Sánchez-Monge, Á., Butler, M.J., Tan, J.C., Jiménez-Serra, I., Busquet, G., Leurini, S., & Audard, M., 2011, A&A, 529, L7 [[ADS](#)]

The stellar populations of early-type galaxies - II. The effects of environment and mass

Harrison, C.D., Colless, M., **Kuntschner, H.**, Couch, W.J., de Propris, R., & Pracy, M.B., 2011, MNRAS, 413, 1036 [[ADS](#)]

The curious case of Palomar 13: the influence of the orbital phase on the appearance of galactic satellites

Küpper, A.H.W., Mieske, S., & Kroupa, P., 2011, MNRAS, 413, 863 [[ADS](#)]

Origins and interpretation of the tridimensional kinematical disorder in H II regions

Lagrois, D., Joncas, G., Drissen, L., & **Arsenault, R.**, 2011, MNRAS, 413, 705 [[ADS](#)]

Lyman α emission from the first galaxies: signatures of accretion and infall in the presence of line trapping

Latif, M.A., **Schleicher, D.R.G.**, Spaans, M., & Zaroubi, S., 2011, MNRAS, 413, L33 [[ADS](#)]

Simulation of planet detection with the SPHERE integral field spectrograph

Mesa, D., Gratton, R., Berton, A., Antichi, J., Verinaud, C., Boccaletti, A., **Kasper, M.**, Claudi, R.U., Desidera, S., Giro, E., Beuzit, J.-L., Dohlen, K., Feldt, M., Mouillet, D., Chauvin, G., Vigan, A., 2011, A&A, 529, 131 [[ADS](#)]

CORS Baade-Wesselink method in the Walraven photometric system: the period-radius and the period-luminosity relation of classical Cepheids

Molinaro, R., Ripepi, V., Marconi, M., **Bono, G.**, Lub, J., Pedicelli, S., & Pel, J.W., 2011, MNRAS, 413, 942 [[ADS](#)]

First CCD UBVI photometric analysis of six open cluster candidates

Piatti, A.E., Clariá, J.J., & **Ahumada, A.V.**, 2011, NewA, 16, 161 [[ADS](#)]

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