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Cosmology

[A Critical Assessment of Photometric Redshift Methods: A CANDELS Investigation](#)

Dahlen, T., Mobasher, B., Faber, S.M., Ferguson, H.C., Barro, G., Finkelstein, S.L., Finlator, K., Fontana, A., Gruetzbauch, R., Johnson, S., Pforr, J., Salvato, M., **Wiklind, T.**, Wuyts, S., Acquaviva, V., Dickinson, M.E., Guo, Y., Huang, J., Huang, K.-H., Newman, J.A., Bell, E.F., Conselice, C.J., Galametz, A., Gawiser, E., Giavalisco, M., Grogin, N.A., Hathi, N., Kocevski, D., Koekemoer, A.M., Koo, D.C., Lee, K.-S., McGrath, E.J., Papovich, C., Peth, M., Ryan, R., Somerville, R., Weiner, B., Wilson, G., 2013, ApJ, 775, 93 [\[ADS\]](#)

Instruments: ISAAC, VIMOS

[On the two high-metallicity DLAs at \$z = 2.412\$ and \$2.583\$ towards Q 0918+1636](#)

Fynbo, J.P.U., Geier, S.J., Christensen, L., Gallazzi, A., **Krogager, J.-K.**, Krühler, T., **Ledoux, C.**, Maund, J.R., **Møller, P.**, Noterdaeme, P., Rivera-Thorsen, T., Vestergaard, M., 2013, MNRAS, 436, 361 [\[ADS\]](#)

Instruments: X-SHOOTER, X-SHOOTER

[A large-scale galaxy structure at \$z = 2.02\$ associated with the radio galaxy MRC 0156-252](#)

Galametz, A., Stern, D., Pentericci, L., **De Breuck, C.**, **Vernet, J.**, **Wylezalek, D.**, Fassbender, R., Hatch, N., Kurk, J., Overzier, R., Rettura, A., & Seymour, N., 2013, A&A, 559, 2 [\[ADS\]](#)

Instruments: FORS2

Interstellar Medium, Star Formation and Planetary Systems

[OTS 44: Disk and accretion at the planetary border](#)

Joergens, V., Bonnefoy, M., Liu, Y., **Bayo, A.**, Wolf, S., Chauvin, G., & Rojo, P., 2013, A&A, 558, L7 [\[ADS\]](#)

Instruments: SINFONI

[Variable rotational line broadening in the Be star Achernar](#)

Rivinius, T., **Baade, D.**, Townsend, R.H.D., Carciofi, A.C., & **Štefl, S.**, 2013, A&A, 559, L4 [\[ADS\]](#)

Instruments: UVES, UVES, FEROS2.2, FEROS2.2, FEROS2.2, FEROS1.5, FEROS1.5, FEROS1.5, HARPS, HARPS, HARPS, HARPS

[X-shooter spectroscopy of young stellar objects. III. Photospheric and chromospheric properties of Class III objects](#)

Stelzer, B., Frasca, A., Alcalá, J.M., **Manara, C.F.**, Biazzo, K., Covino, E., Rigliaco, E., **Testi, L.**, Covino, S., & D'Elia, V., 2013, A&A, 558, 141 [\[ADS\]](#)

Instruments: X-SHOOTER, X-SHOOTER, X-SHOOTER, X-SHOOTER, X-SHOOTER

[ATLASGAL - properties of compact H II regions and their natal clumps](#)

Urquhart, J.S., Thompson, M.A., Moore, T.J.T., Purcell, C.R., Hoare, M.G., **Schuller, F.**, Wyrowski, F., Csengeri, T., Menten, K.M., Lumsden, S.L., Kurtz, S., Walmsley, C.M., Bronfman, L., Morgan, L.K., Eden, D.J., & Russeil, D., 2013, MNRAS, 435, 400 [\[ADS\]](#)

Instruments: LABOCA, LABOCA, LABOCA, LABOCA, LABOCA

Stellar Evolution

[Double Blue Straggler Sequences in Globular Clusters: The Case of NGC 362](#)

Dalessandro, E., Ferraro, F.R., Massari, D., Lanzoni, B., Miocchi, P., **Beccari, G.**, Bellini, A., Sills, A., Sigurdsson, S., Mucciarelli, A., & Lovisi, L., 2013, ApJ, 778, 135 [\[ADS\]](#)

Instruments: WFI

[Extended envelopes around Galactic Cepheids. IV. T Monocerotis and X Sagittarii from mid-infrared interferometry with VLTI/MIDI](#)

Gallenne, A., **Mérand, A.**, Kervella, P., Chesneau, O., **Breitfelder, J.**, & Gieren, W., 2013, A&A, 558, 140 [[ADS](#)]
Instruments: MIDI

[A statistical analysis of circumstellar material in Type Ia supernovae](#)

Maguire, K., Sullivan, M., **Patat, F.**, Gal-Yam, A., Hook, I.M., Dhawan, S., Howell, D.A., Mazzali, P., Nugent, P.E., Pan, Y.-C., Podsiadlowski, P., Simon, J.D., Sternberg, A., Valenti, S., Baltay, C., Bersier, D., Blagorodnova, N., Chen, T.-W., Ellman, N., Feindt, U., Förster, F., Fraser, M., González-Gaitán, S., Graham, M.L., Gutiérrez, C., Hachinger, S., Hadjiyska, E., Inserra, C., Knapic, C., Laher, R.R., Leloudas, G., Margheim, S., McKinnon, R., Molinaro, M., Morrell, N., Ofek, E.O., Rabinowitz, D., Rest, A., Sand, D., Smareglia, R., Smartt, S.J., Taddia, F., Walker, E.S., Walton, N.A., Young, D.R., 2013, MNRAS, 436, 222 [[ADS](#)]
Instruments: SOFI, EFOSC2_NTT, X-SHOOTER, X-SHOOTER

[Life after eruption - III. Orbital periods of the old novae V365 Car, AR Cir, V972 Oph, HS Pup, V909 Sgr, V373 Sct and CN Vel](#)

Tappert, C., **Schmidtbreick, L.**, Vogt, N., & Ederoclite, A., 2013, MNRAS, 436, 2412 [[ADS](#)]
Instruments: EFOSC2_NTT, EFOSC2_NTT, EFOSC2_NTT, EFOSC2_NTT, EFOSC2_NTT

Miscellaneous

The Gemini NICI Planet-Finding Campaign: The Frequency of Giant Planets around Young B and A Stars

Nielsen, E.L., Liu, M.C., **Wahhaj, Z.**, Biller, B.A., Hayward, T.L., Close, L.M., Males, J.R., Skemer, A.J., Chun, M., Ftaclos, C., Alencar, S.H.P., Artymowicz, P., Boss, A., Clarke, F., de Gouveia Dal Pino, E., Gregorio-Hetem, J., Hartung, M., Ida, S., Kuchner, M., Lin, D.N.C., Reid, I.N., Shkolnik, E.L., Tecza, M., Thatte, N., & Toomey, D.W., 2013, ApJ, 776, 4 [[ADS](#)]
Instruments: ISAAC, NACO

[Strongly star-forming rotating disks in a complex merging system at \$z = 4.7\$ as revealed by ALMA](#)

Carniani, S., Marconi, A., **Biggs, A.**, Cresci, G., Cupani, G., D'Odorico, V., **Humphreys, E.**, Maiolino, R., Mannucci, F., Molaro, P., Nagao, T., **Testi, L.**, & **Zwaan, M.A.**, 2013, A&A, 559, 29 [[ADS](#)]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands, X-SHOOTER

[Probing the jet base of the blazar PKS 1830-211 from the chromatic variability of its lensed images. Serendipitous ALMA observations of a strong gamma-ray flare](#)

Marti-Vidal, I., Müller, S., Combes, F., Aalto, S., Beelen, A., Darling, J., Guélin, M., Henkel, C., Horellou, C., Marcaide, J.M., **Martín, S.**, Menten, K.M., V-Trung, D., & **Zwaan, M.**, 2013, A&A, 558, 123 [[ADS](#)]
Instruments: ALMA_Bands

[ALMA Observations of the Coldest Place in the Universe: The Boomerang Nebula](#)

Sahai, R., Vlemmings, W.H.T., Huggins, P.J., **Nyman, L.-Å.**, Gonidakis, I., 2013, ApJ, 777, 92 [[ADS](#)]
Instruments: ALMA_Bands

[An ALMA Survey of Submillimeter Galaxies in the Extended Chandra Deep Field-South: The AGN Fraction and X-Ray Properties of Submillimeter Galaxies](#)

Wang, S.X., Brandt, W.N., Luo, B., Smail, I., Alexander, D.M., Danielson, A.L.R., Hodge, J.A., Karim, A., Lehmer, B.D., Simpson, J.M., Swinbank, A.M., Walter, F., Wardlow, J.L., Xue, Y.Q., Chapman, S.C., Coppin, K.E.K., Dannerbauer, H., **De Breuck, C.**, Menten, K.M., & van der Werf, P., 2013, ApJ, 778, 179 [[ADS](#)]
Instruments: VIMOS, ALMA_Bands

Papers without ESO data

The Discovery of Pulsating Hot Subdwarfs in NGC 2808

Brown, T.M., Landsman, W.B., **Randall, S.K.**, Sweigart, A.V., & Lanz, T., 2013, ApJ, 777, L22 [[ADS](#)]

The GALEX Arcicibo SDSS Survey - VIII. Final data release. The effect of group environment on the gas content of massive galaxies

Catinella, B., Schiminovich, D., **Cortese, L.**, Fabello, S., Hummels, C.B., Moran, S.M., Lemonias, J.J., Cooper, A.P., Wu, R., Heckman, T.M., & Wang, J., 2013, MNRAS, 436, 34 [[ADS](#)]

Signatures of accretion events in the haloes of early-type galaxies from comparing PNe and GCs kinematics

Coccatto, L., Arnaboldi, M., & Gerhard, O., 2013, MNRAS, 436, 1322 [\[ADS\]](#)

The molecular ISM in luminous infrared galaxies: a $\lambda = 3$ mm line survey of Arp 157

Davis, T.A., Heiderman, A., Evans, N.J., & Iono, D., 2013, MNRAS, 436, 570 [\[ADS\]](#)

The Herschel Virgo Cluster Survey - XIV. Transition-type dwarf galaxies in the Virgo cluster

De Looze, I., Baes, M., Boselli, A., Cortese, L., Fritz, J., Auld, R., Bendo, G.J., Bianchi, S., Boquien, M., Clemens, M., Ciesla, L., Davies, J., di Serego Alighieri, S., Grossi, M., Jones, A., Madden, S.C., Pappalardo, C., Pierini, D., Smith, M.W.L., Verstappen, J., Vlahakis, C., & Zibetti, S., 2013, MNRAS, 436, 1057 [\[ADS\]](#)

Deep luminosity functions and colour-magnitude relations for cluster galaxies at $0.2 < z < 0.6$

De Propris, R., Phillipps, S., & Bremer, M.N., 2013, MNRAS, 434, 3469 [\[ADS\]](#)

Magnetospheric accretion on the fully convective classical T Tauri star DN Tau

Donati, J.-F., Gregory, S.G., Alencar, S.H.P., Hussain, G., Bouvier, J., Jardine, M.M., Ménard, F., Dougados, C., & Romanova, M.M., MaPP collaboration, M.c., 2013, MNRAS, 436, 881 [\[ADS\]](#)

Active galactic nucleus torus models and the puzzling infrared spectrum of IRAS F10214+4724

Efstathiou, A., Christopher, N., Verma, A., & Siebenmorgen, R., 2013, MNRAS, 436, 1873 [\[ADS\]](#)

Microlensing Discovery of a Tight, Low-mass-ratio Planetary-mass Object around an Old Field Brown Dwarf

Han, C., Jung, Y.K., Udalski, A., Sumi, T., Gaudi, B.S., Gould, A., Bennett, D.P., Tsapras, Y., Szymański, M.K., Kubiak, M., Pietrzyński, G., Soszyński, I., Skowron, J., Kozłowski, S., Poleski, R., Ulaczyk, K., Wyrzykowski, Ł., Pietrukowicz, P., The OGLE Collaboration, T.O.C., Abe, F., Bond, I.A., Botzler, C.S., Chote, P., Freeman, M., Fukui, A., Furusawa, K., Harris, P., Itow, Y., Ling, C.H., Masuda, K., Matsubara, Y., Muraki, Y., Ohnishi, K., Rattenbury, N.J., Saito, T., Sullivan, D.J., Sweatman, W.L., Suzuki, D., Tristram, P.J., Wada, K., Yock, P.C.M., The MOA Collaboration, T.M.C., Batista, V., Christie, G., Choi, J.-Y., DePoy, D.L., Dong, S., Hwang, K.-H., Kavka, A., Lee, C.-U., Monard, L.A.G., Natusch, T., Ngan, H., Park, H., Pogge, R.W., Porritt, I., Shin, I.-G., Tan, T.G., Yee, J.C., The μ FUN Collaboration, T. μ C., Alsubai, K.A., Bozza, V., Bramich, D.M., Browne, P., Dominik, M., Horne, K., Hundertmark, M., Ipatov, S., Kains, N., Liebig, C., Snodgrass, C., Steele, I.A., Street, R.A., The RoboNet Collaboration, T.R.C., 2013, ApJ, 778, 38 [\[ADS\]](#)

Interpretation of a Short-term Anomaly in the Gravitational Microlensing Event MOA-2012-BLG-486

Hwang, K.-H., Choi, J.-Y., Bond, I.A., Sumi, T., Han, C., Gaudi, B.S., Gould, A., Bozza, V., Beaulieu, J.-P., Tsapras, Y., Abe, F., Bennett, D.P., Botzler, C.S., Chote, P., Freeman, M., Fukui, A., Fukunaga, D., Harris, P., Itow, Y., Koshimoto, N., Ling, C.H., Masuda, K., Matsubara, Y., Muraki, Y., Namba, S., Ohnishi, K., Rattenbury, N.J., Saito, T., Sullivan, D.J., Sweatman, W.L., Suzuki, D., Tristram, P.J., Wada, K., Yamai, N., Yock, P.C.M., Yonehara, A., The MOA Collaboration, T.M.C., de Almeida, L.A., DePoy, D.L., Dong, S., Jablonski, F., Jung, Y.K., Kavka, A., Lee, C.-U., Park, H., Pogge, R.W., Shin, I.-G., Yee, J.C., The μ FUN Collaboration, T. μ C., Albrow, M.D., Bachelet, E., Batista, V., Brilliant, S., Caldwell, J.A.R., Cassan, A., Cole, A., Corrales, E., Coutures, C., Dieters, S., Dominis Prester, D., Donatowicz, J., Fouqué, P., Greenhill, J., Jørgensen, U.G., Kane, S.R., Kubas, D., Marquette, J.-B., Martin, R., Meintjes, P., Menzies, J., Pollard, K.R., Williams, A., Wouters, D., The PLANET Collaboration, T.P.C., Bramich, D.M., Dominik, M., Horne, K., Browne, P., Hundertmark, M., Ipatov, S., Kains, N., Snodgrass, C., Steele, I.A., Street, R.A., The RoboNet Collaboration, T.R.C., 2013, ApJ, 778, 55 [\[ADS\]](#)

Uncertainties in water chemistry in disks: An application to TW Hydrae

Kamp, I., Thi, W.-F., Meeus, G., Woitke, P., Pinte, C., Meijerink, R., Spaans, M., Pascucci, I., Aresu, G., & Dent, W.R.F., 2013, A&A, 559, 24 [\[ADS\]](#)

A dynamical model of supernova feedback: gas outflows from the interstellar medium

Lagos, C.d.P., Lacey, C.G., & Baugh, C.M., 2013, MNRAS, 436, 1787 [\[ADS\]](#)

The XMM-Newton Spectrum of a Candidate Recoiling Supermassive Black Hole: An Elusive Inverted P-Cygni Profile

Lanzuisi, G., Civano, F., Marchesi, S., Comastri, A., Costantini, E., Elvis, M., Mainieri, V., Hickox, R., Jahnke, K., Komossa, S., Piconcelli, E., Vignali, C., Brusa, M., Cappelluti, N., & Fruscione, A., 2013, ApJ, 778, 62 [\[ADS\]](#)

Exploring the Chemical Link between Local Ellipticals and Their High-redshift Progenitors

Leja, J., van Dokkum, P.G., Momcheva, I., **Brammer, G.**, Skelton, R.E., Whitaker, K.E., Andrews, B.H., Franx, M., Kriek, M., van der Wel, A., Bezanson, R., Conroy, C., Förster Schreiber, N., Nelson, E., & Patel, S.G., 2013, ApJ, 778, L24 [\[ADS\]](#)

A normal abundance of faint satellites in the fossil group NGC 6482

Lieder, S., Mieske, S., **Sánchez-Janssen, R.**, **Hilker, M.**, Lisker, T., & Tanaka, M., 2013, A&A, 559, 76 [\[ADS\]](#)

Modelling the asymmetric wind of the luminous blue variable binary MWC 314

Lobel, A., Groh, J.H., **Martayan, C.**, Frémat, Y., Torres Dozinél, K., Raskin, G., Van Winckel, H., Prins, S., Pessemer, W., Waelkens, C., Hensberge, H., Dumortier, L., Jorissen, A., Van Eck, S., & Lehmann, H., 2013, A&A, 559, 16 [\[ADS\]](#)

Mid- to far-infrared properties of star-forming galaxies and active galactic nuclei

Magdis, G.E., Rigopoulou, D., Helou, G., Farrah, D., Hurley, P., Alonso-Herrero, A., Bock, J., Burgarella, D., Chapman, S., Charmandaris, V., Cooray, A., Dai, Y.S., Dale, D., Elbaz, D., **Feltre, A.**, **Hatziminaoglou, E.**, Huang, J.-S., Morrison, G., Oliver, S., Page, M., Scott, D., Shi, Y., 2013, A&A, 558, 136 [\[ADS\]](#)

Physical properties, transmission and emission spectra of the WASP-19 planetary system from multi-colour photometry

Mancini, L., Ciceri, S., Chen, G., Tregloan-Reed, J., Fortney, J.J., Southworth, J., Tan, T.G., Burgdorf, M., Calchi Novati, S., Dominik, M., Fang, X.-S., Finet, F., Gerner, T., Hardis, S., Hinse, T.C., Jørgensen, U.G., Liebig, C., Nikolov, N., Ricci, D., Schäfer, S., Schönebeck, F., Skottfelt, J., Wertz, O., Alsubai, K.A., Bozza, V., Browne, P., Dodds, P., Gu, S.-H., Harpsøe, K., Henning, T., Hundertmark, M., Jessen-Hansen, J., **Kains, N.**, Kerins, E., Kjeldsen, H., Lund, M.N., Lundkvist, M., Madhusudhan, N., Mathiasen, M., Penny, M.T., Prof, S., Rahvar, S., Sahu, K., Scarpetta, G., Snodgrass, C., Surdej, J., 2013, MNRAS, 436, 2 [\[ADS\]](#)

Ring-apodized Vortex Coronagraphs for Obscured Telescopes. I. Transmissive Ring Apodizers

Mawet, D., Pueyo, L., Carlotti, A., Mennesson, B., Serabyn, E., & Wallace, J.K., 2013, ApJS, 209, 7 [\[ADS\]](#)

Binaries discovered by the MUCHFUSS project. FBS 0117+396: An sdB+dM binary with a pulsating primary

Østensen, R.H., **Geier, S.**, Schaffenroth, V., Teltung, J.H., Bloemen, S., Németh, P., Beck, P.G., Lombaert, R., Pápics, P.I., Tillich, A., Ziegerer, E., Fox Machado, L., Littlefair, S., Dhillon, V., Aerts, C., Heber, U., Maxted, P.F.L., Gänsicke, B.T., & Marsh, T.R., 2013, A&A, 559, 35 [\[ADS\]](#)

Gravitational Binary-lens Events with Prominent Effects of Lens Orbital Motion

Park, H., Udalski, A., Han, C., Gould, A., Beaulieu, J.-P., Tsapras, Y., Szymański, M.K., Kubiak, M., Soszyński, I., Pietrzyński, G., Poleski, R., Ulaczyk, K., Pietrukowicz, P., Kozłowski, S., Skowron, J., Wyrzykowski, Ł., The OGLE Collaboration, T.O.C., Choi, J.-Y., Depoy, D.L., Dong, S., Gaudi, B.S., Hwang, K.-H., Jung, Y.K., Kavka, A., Lee, C.-U., Monard, L.A.G., Park, B.-G., Pogge, R.W., Porritt, I., Shin, I.-G., Yee, J.C., The μ FUN Collaboration, T. μ C., Albrow, M.D., Bennett, D.P., Caldwell, J.A.R., Cassan, A., Coutures, C., Dominis, D., Donatowicz, J., Fouqué, P., Greenhill, J., Huber, M., Jørgensen, U.G., Kane, S., Kubas, D., Marquette, J.-B., Menzies, J., Pitrou, C., Pollard, K.R., Sahu, K.C., Wambsganss, J., Williams, A., Zub, M., The PLANET Collaboration, T.P.C., Allan, A., **Bramich, D.M.**, Browne, P., Dominik, M., Horne, K., Hundertmark, M., **Kains, N.**, Snodgrass, C., Steele, I.A., Street, R.A., The RoboNet Collaboration, T.R.C., 2013, ApJ, 778, 134 [\[ADS\]](#)

A sub-parsec resolution simulation of the Milky Way: global structure of the interstellar medium and properties of molecular clouds

Renaud, F., Bournaud, F., **Emsellem, E.**, Elmegreen, B., Teyssier, R., Alves, J., Chapon, D., Combes, F., Dekel, A., Gabor, J., Hennebelle, P., & Kraljic, K., 2013, MNRAS, 436, 1836 [\[ADS\]](#)

The SCUBA-2 Cosmology Legacy Survey: demographics of the 450- μ m population

Roseboom, I.G., Dunlop, J.S., Cirasuolo, M., Geach, J.E., Smail, I., Halpern, M., Werf, P.v.d., Almaini, O., Arumugam, V., Asboth, V., Auld, R., Blain, A., Bremer, M.N., Bock, J., Bowler, R.A.A., Buitrago, F., Chapin, E., Chapman, S., Chrysostomou, A., Clarke, C., Conley, A., Coppin, K.E.K., Danielson, A.L.R., Farrah, D., Glenn, J., **Hatziminaoglou, E.**, Ibar, E., Ivison, R.J., Jenness, T., **Kampen, E.v.**, Karim, A., Mackenzie, T., Marsden, G., Meijerink, R., Michałowski, M.J., Oliver, S.J., Page, M.J., Pearson, E., Scott, D., Simpson, J.M., Smith, D.J.B., Spaans, M., Swinbank, A.M., Symeonidis, M., Targett, T., Valiante, E., Viero, M., Wang, L., Willott, C.J., & Zemcov, M., 2013, MNRAS, 436, 430 [\[ADS\]](#)

Nature of the gas and dust around 51 Ophiuchi. Modelling continuum and Herschel line observations

Thi, W.F., Ménard, F., Meeus, G., Carmona, A., Riviere-Marichalar, P., Augereau, J.-C., Kamp, I., Woitke, P., Pinte, C., Mendigutía, I., Eiroa, C., Montesinos, B., Britain, S., **Dent, W.**, 2013, A&A, 557, 111 [[ADS](#)]

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