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Cosmology

[Environmental Effects in the Interaction and Merging of Galaxies in zCOSMOS](#)

Kampczyk, P., Lilly, S.J., de Ravel, L., Le Fèvre, O., Bolzonella, M., Carollo, C.M., Diener, C., Knobel, C., Kovač, K., Maier, C., Renzini, A., Sargent, M.T., Vergani, D., Abbas, U., Bardelli, S., Bongiorno, A., Bordoloi, R., Caputi, K., Contini, T., Coppa, G., Cucciati, O., de la Torre, S., Franzetti, P., Garilli, B., Iovino, A., Kneib, J.-P., Koekemoer, A.M., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Leauthaud, A., **Mainieri, V.**, Mignoli, M., Pello, R., Peng, Y., Perez Montero, E., Ricciardelli, E., Scoddeggio, M., Silverman, J.D., Tanaka, M., Tasca, L., Tresse, L., Zamorani, G., Zucca, E., Bottini, D., Cappi, A., Cassata, P., Cimatti, A., Fumana, M., Guzzo, L., Kartaltepe, J., Marinoni, C., McCracken, H.J., Memeo, P., Meneux, B., Oesch, P., Porciani, C., Pozzetti, L., Scaramella, R., 2013, ApJ, 762, 43 [\[ADS\]](#)

Instruments: VIMOS

Galaxies and Galactic Nuclei

[Three-dimensional interstellar extinction map toward the Galactic bulge](#)

Chen, B.Q., Schultheis, M., Jiang, B.W., **Gonzalez, O.A.**, Robin, A.C., **Rejkuba, M.**, & Minniti, D., 2013, A&A, 550, 42 [\[ADS\]](#)

Instruments: VIRCAM

[Massive open star clusters using the VVV survey. II. Discovery of six clusters with Wolf-Rayet stars](#)

Chené, A.-N., Borissova, J., Bonatto, C., Majaess, D.J., Baume, G., Clarke, J.R.A., Kurtev, R., Schnurr, O., Bouret, J.-C., Catelan, M., Emerson, J.P., Feinstein, C., Geisler, D., de Grijs, R., Hervé, A., **Ivanov, V.D.**, Kumar, M.S.N., Lucas, P., Mahy, L., Martins, F., Mauro, F., Minniti, D., Moni Bidin, C., 2013, A&A, 549, 98 [\[ADS\]](#)

Instruments: ISAAC, SOFI, VIRCAM

[The VMC Survey. VI. Quasars behind the Magellanic system](#)

Cioni, M.-R.L., Kamath, D., Rubele, S., van Loon, J.T., Wood, P.R., Emerson, J.P., Gibson, B.K., Groenewegen, M.A.T., **Ivanov, V.D.**, & Miszalski, B., Ripepi, V., 2013, A&A, 549, 29 [\[ADS\]](#)

Instruments: VIRCAM

[Elemental Abundances and their Implications for the Chemical Enrichment of the Boötes I Ultrafaint Galaxy](#)

Gilmore, G., Norris, J.E., **Monaco, L.**, Yong, D., Wyse, R.F.G., & Geisler, D., 2013, ApJ, 763, 61 [\[ADS\]](#)

Instruments: FLAMES-UV, FLAMES-GIRAFFE

[MOA-2010-BLG-523: "Failed Planet" = RS CVn Star](#)

Gould, A., Yee, J.C., Bond, I.A., Udalski, A., Han, C., Jørgensen, U.G., Greenhill, J., Tsapras, Y., Pinsonneault, M.H., Bensby, T., Allen, W., Almeida, L.A., Bos, M., Christie, G.W., DePoy, D.L., Dong, S., Gaudi, B.S., Hung, L.-W., Jablonski, F., Lee, C.-U., McCormick, J., Moorhouse, D., Muñoz, J.A., Natusch, T., Nola, M., Pogge, R.W., Skowron, J., Thornley, G., The μ FUN Collaboration, T. μ C., Abe, F., Bennett, D.P., Botzler, C.S., Chote, P., Freeman, M., Fukui, A., Furusawa, K., Harris, P., Itow, Y., Ling, C.H., Masuda, K., Matsubara, Y., Miyake, N., Ohnishi, K., Rattenbury, N.J., Saito, T., Sullivan, D.J., Sumi, T., Suzuki, D., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., The MOA Collaboration, T.M.C., Szymański, M.K., Soszyński, I., Kubiak, M., Poleski, R., Ulaczyk, K., Pietrzyński, G., Wyrzykowski, Ł., The OGLE Collaboration, T.O.C., Alsubai, K.A., Bozza, V., Browne, P., Burgdorf, M.J., Calchi Novati, S., Dodds, P., Dominik, M., Finet, F., Gerner, T., Hardis, S., Harpsøe, K., Hessman, F.V., Hinse, T.C., Hundertmark, M., **Kains, N.**, Kerins, E., Liebig, C., Mancini, L., Mathiasen, M., Penny, M.T., Proft, S., Rahvar, S., Ricci, D., Sahu, K.C., Scarpetta, G., Schäfer, S., Schönebeck, F., **Snodgrass, C.**, Southworth, J., Surdej, J., Wambsganss, J., MINDSTEp Consortium, T., Street, R.A., Horne, K., **Bramich, D.M.**, Steele, I.A., The RoboNet Collaboration, T.R.C., Albrow, M.D., Bachelet, E., Batista, V., Beatty, T.G., Beaulieu, J.-P., Bennett, C.S., Bowers-Rubin, R., **Brillant, S.**, Caldwell, J.A.R., Cassan, A., Cole, A.A., Corrales, E., Coutures, C., Dieters, S., Dominis

Prester, D., Donatowicz, J., Fouqué, P., Henderson, C.B., **Kubas, D.**, Marquette, J.-B., Martin, R., Menzies, J.W., Shappee, B., Williams, A., van Saders, J., Zub, M., The PLANET Collaboration, T.P.C., 2013, ApJ, 763, 141 [[ADS](#)]
Instruments: UVES

Interstellar Medium, Star Formation and Planetary Systems

[The mid-infrared extinction law in the darkest cores of the Pipe Nebula](#)

Ascenso, J., Lada, C.J., Alves, J., Román-Zúñiga, C.G., & Lombardi, M., 2013, A&A, 549, 135 [[ADS](#)]
Instruments: ISAAC, ISAAC, SOFI, SOFI, SOFI

[Coronagraphic Observations of Fomalhaut at Solar System Scales](#)

Kenworthy, M.A., Meshkat, T., Quanz, S.P., **Girard, J.H.**, Meyer, M.R., & **Kasper, M.**, 2013, ApJ, 764, 7 [[ADS](#)]
Instruments: NACO

[\$\alpha\$ Centauri A in the far infrared. First measurement of the temperature minimum of a star other than the Sun](#)

Liseau, R., Montesinos, B., Olofsson, G., Bryden, G., Marshall, J.P., Ardila, D., **Bayo Aran, A.**, Danchi, W.C., del Burgo, C., Eiroa, C., Ertel, S., Fridlund, M.C.W., Krivov, A.V., Pilbratt, G.L., Roberge, A., Thébault, P., Wiegert, J., & White, G.J., 2013, A&A, 549, L7 [[ADS](#)]
Instruments: LABOCA, LABOCA

[Surface composition and dynamical evolution of two retrograde objects in the outer solar system: 2008 YB3 and 2005 VD](#)

Pinilla-Alonso, N., **Alvarez-Candal, A.**, Melita, M.D., Lorenzi, V., Licandro, J., Carvano, J., Lazzaro, D., **Carraro, G.**, Alí-Lagoa, V., Costa, E., & Hasselmann, P.H., 2013, A&A, 550, 13 [[ADS](#)]
Instruments: X-SHOOTER

Stellar Evolution

[Basic parameters and properties of the rapidly rotating magnetic helium-strong B star HR 7355](#)

Rivinius, T., Townsend, R.H.D., Kochukhov, O., **Štefl, S.**, **Baade, D.**, Barrera, L., & **Szeifert, T.**, 2013, MNRAS, 429, 177 [[ADS](#)]
Instruments: FORS1, UVES, FEROS2.2

[Star-to-star Iron Abundance Variations in Red Giant Branch Stars in the Galactic Globular Cluster NGC 3201](#)

Simmerer, J., Ivans, I.I., Filler, D., Francois, P., Charbonnel, C., Monier, R., & **James, G.**, 2013, ApJ, 764, L7 [[ADS](#)]
Instruments: FLAMES-UV

[Spectropolarimetry of the Type Ia SN 2007sr Two Months after Maximum Light](#)

Zelaya, P., Quinn, J.R., **Baade, D.**, Clocchiatti, A., Höflich, P., Maund, J., **Patat, F.**, Wang, L., & Wheeler, J.C., 2013, AJ, 145, 27 [[ADS](#)]
Instruments: FORS1

Miscellaneous

The ESPRI project: astrometric exoplanet search with PRIMA. I. Instrument description and performance of first light observations

Sahlmann, J., Henning, T., Queloz, D., Quirrenbach, A., Elias, N.M., Launhardt, R., Pepe, F., Reffert, S., Ségransan, D., Setiawan, J., **Abuter, R.**, **Andolfato, L.**, Bizenberger, P., Baumeister, H., Chazelas, B., **Delplancke, F.**, **Dérie, F.**, **Di Lieto, N.**, **Duc, T.P.**, Fleury, M., Graser, U., Kaminski, A., Köhler, R., **Lévêque, S.**, Maire, C., Mégevand, D., **Mérand, A.**, Michellod, Y., **Moresmau, J.-M.**, Mohler, M., Müller, A., Müllhaupt, P., Naranjo, V., Sache, L., Salvade, Y., **Schmid, C.**, **Schuhler, N.**, Schulze-Hartung, T., Sosnowska, D., Tubbs, B., van Belle, G.T., Wagner, K., Weber, L., Zago, L., Zimmerman, N., 2013, A&A, 551, 52 [[ADS](#)]
Instruments: NACO, PRIMA, PRIMA

Papers without ESO data

The Herschel Virgo Cluster Survey - XII. FIR properties of optically selected Virgo cluster galaxies

Auld, R., Bianchi, S., Smith, M.W.L., Davies, J.I., Bendo, G.J., di Serego, S.A., **Cortese, L.**, Baes, M., Bomans, D.J., Boquien, M., Boselli, A., Ciesla, L., Clemens, M., Corbelli, E., De Looze, I., Fritz, J., Gavazzi, G., Pappalardo, C., Grossi, M., Hunt, L.K., Madden, S., Magrini, L., Pohlen, M., Verstappen, J., **Vlahakis, C.**, Xilouris, E.M., & Zibetti, S., 2013, MNRAS, 428, 1880 [[ADS](#)]

AGN host galaxies at redshift $z \approx 0.7$: peculiar or not?

Böhm, A., Wisotzki, L., Bell, E.F., Jahnke, K., Wolf, C., Bacon, D., Barden, M., Gray, M.E., Hoeppe, G., Jogee, S., McIntosh, D.H., Peng, C.Y., Robaina, A.R., Balogh, M., Barazza, F.D., Caldwell, J.A.R., Heymans, C., Häußler, B., **van Kampen, E.**, Lane, K., Meisenheimer, K., Sánchez, S.F., Taylor, A.N., & Zheng, X., 2013, A&A, 549, 46 [[ADS](#)]

On the white dwarf cooling sequence with extremely large telescopes

Bono, G., Salaris, M., & **Gilmozzi, R.**, 2013, A&A, 549, 102 [[ADS](#)]

Integrated spectroscopy of the Herschel Reference Survey. The spectral line properties of a volume-limited, K-band-selected sample of nearby galaxies

Boselli, A., Hughes, T.M., **Cortese, L.**, Gavazzi, G., & Buat, V., 2013, A&A, 550, 114 [[ADS](#)]

Difference image analysis: extension to a spatially varying photometric scale factor and other considerations

Bramich, D.M., Horne, K., Albrow, M.D., Tsapras, Y., Snodgrass, C., Street, R.A., Hundertmark, M., **Kains, N.**, Arellano, F.A., Figuera, J.R., & Giridhar, S., 2013, MNRAS, 428, 2275 [[ADS](#)]

The Infrared Telescope Facility (IRTF) spectral library: Spectral diagnostics for cool stars

Cesetti, M., Pizzella, A., **Ivanov, V.D.**, Morelli, L., Corsini, E.M., & Dalla Bontà, E., 2013, A&A, 549, 129 [[ADS](#)]

CLASH: Three Strongly Lensed Images of a Candidate $z \approx 11$ Galaxy

Coe, D., Zitrin, A., Carrasco, M., Shu, X., Zheng, W., Postman, M., Bradley, L., Koekemoer, A., Bouwens, R., Broadhurst, T., Monna, A., Host, O., Moustakas, L.A., Ford, H., Moustakas, J., van der Wel, A., Donahue, M., Rodney, S.A., Benítez, N., Jouvel, S., Seitz, S., Kelson, D.D., & **Rosati, P.**, 2013, ApJ, 762, 32 [[ADS](#)]

The Planetary Nebula Spectrograph survey of S0 galaxy kinematics. Data and overview

Cortesi, A., **Arnaboldi, M.**, **Coccato, L.**, Merrifield, M.R., Gerhard, O., Bamford, S., Romanowsky, A.J., Napolitano, N.R., Douglas, N.G., Kuijken, K., Capaccioli, M., Freeman, K.C., Chies-Santos, A.L., & Pota, V., 2013, A&A, 549, 115 [[ADS](#)]

The ATLAS3D Project - XIV. The extent and kinematics of the molecular gas in early-type galaxies

Davis, T.A., Alatalo, K., Bureau, M., Cappellari, M., Scott, N., Young, L.M., Blitz, L., Crocker, A., Bayet, E., Bois, M., Bournaud, F., Davies, R.L., **de Zeeuw, P.T.**, Duc, P.-A., **Emsellem, E.**, Khochfar, S., **Krajnović, D.**, **Kuntschner, H.**, **Lablanche, P.-Y.**, McDermid, R.M., Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Serra, P., Weijmans, A.-M., 2013, MNRAS, 429, 534 [[ADS](#)]

A Gemini ground-based transmission spectrum of WASP-29b: a featureless spectrum from 515 to 720 nm

Gibson, N.P., Aigrain, S., Barstow, J.K., Evans, T.M., Fletcher, L.N., & Irwin, P.G.J., 2013, MNRAS, 428, 3680 [[ADS](#)]

Ammonia in the hot core W 51-IRS2: 11 new maser lines and a maser component with a velocity drift

Henkel, C., Wilson, T.L., Asiri, H., & **Mauersberger, R.**, 2013, A&A, 549, 90 [[ADS](#)]

The role of cold gas and environment on the stellar mass-metallicity relation of nearby galaxies

Hughes, T.M., **Cortese, L.**, Boselli, A., Gavazzi, G., & Davies, J.I., 2013, A&A, 550, 115 [[ADS](#)]

Fueling the central engine of radio galaxies. II. The footprints of AGN feedback on the ISM of 3C 236

Labiano, A., García-Burillo, S., Combes, F., Usero, A., Soria-Ruiz, R., **Tremblay, G.**, Neri, R., Fuente, A., Morganti, R., & Oosterloo, T., 2013, A&A, 549, 58 [[ADS](#)]

Population gradients and photometric metallicities in early- and transition-type dwarf galaxies: Clues from the Sculptor group

Lianou, S., Grebel, E.K., Da Costa, G.S., **Rejkuba, M.**, Jerjen, H., & Koch, A., 2013, A&A, 550, 7 [[ADS](#)]

EXSdetect: an end-to-end software for extended source detection in X-ray images: application to Swift-XRT data

Liu, T., Tozzi, P., Tundo, E., Moretti, A., Wang, J.-X., **Rosati, P.**, Guglielmetti, F., 2013, A&A, 549, 143 [[ADS](#)]

Variations in the Galactic star formation rate and density thresholds for star formation

Longmore, S.N., Bally, J., **Testi, L.**, Purcell, C.R., Walsh, A.J., **Bressert, E.**, Pestalozzi, M., Molinari, S., Ott, J., **Cortese, L.**, Battersby, C., Murray, N., Lee, E., Kruijssen, J.M.D., Schisano, E., & Elia, D., 2013, MNRAS, 429, 987 [[ADS](#)]

Strömgren photometric survey in the Galactic anticenter direction

Monguió, M., Figueras, F., & **Grosbøl, P.**, 2013, A&A, 549, 78 [[ADS](#)]

Early Stages of Cluster Formation: Fragmentation of Massive Dense Cores down to $< \sim 1000$ AU

Palau, A., Fuente, A., Girart, J.M., Estalella, R., Ho, P.T.P., Sánchez-Monge, Á., Fontani, F., Busquet, G., Commerçon, B., Hennebelle, P., **Boissier, J.**, Zhang, Q., Cesaroni, R., & Zapata, L.A., 2013, ApJ, 762, 120 [[ADS](#)]

Multi-epoch high-resolution spectroscopy of SN 2011fe. Linking the progenitor to its environment

Patat, F., Cordiner, M.A., Cox, N.L.J., Anderson, R.I., Harutyunyan, A., Kotak, R., Palaversa, L., Stanishev, V., Tomasella, L., Benetti, S., Goobar, A., Pastorello, A., & Sollerman, J., 2013, A&A, 549, 62 [[ADS](#)]

A magnetic confinement versus rotation classification of massive-star magnetospheres

Petit, V., Owocki, S.P., Wade, G.A., Cohen, D.H., Sundqvist, J.O., Gagné, M., Maíz Apellániz, J., Oksala, M.E., Bohlender, D.A., **Rivinius, T.**, Henrichs, H.F., Alecian, E., Townsend, R.H.D., ud-Doula, A., & MiMeS Collaboration, M.C., 2013, MNRAS, 429, 398 [[ADS](#)]

Polycyclic aromatic hydrocarbon emission in powerful high-redshift radio galaxies

Rawlings, J.I., Seymour, N., Page, M.J., **De Breuck, C.**, Stern, D., Symeonidis, M., Appleton, P.N., Dey, A., Dickinson, M., Huynh, M., Floc'h, E.L., Lehnert, M., Mullaney, J.R., Nesvadba, N., Ogle, P., Sajina, A., **Vernet, J.**, & Zirm, A., 2013, MNRAS, 429, 744 [[ADS](#)]

Observations of 6-200 μ m emission of the Ophiuchus cloud LDN 1688

Rawlings, M.G., Juvela, M., Lehtinen, K., Mattila, K., & Lemke, D., 2013, MNRAS, 428, 2617 [[ADS](#)]

Changes of Dust Opacity with Density in the Orion A Molecular Cloud

Roy, A., Martin, P.G., Polychroni, D., Bontemps, S., Abergel, A., André, P., Arzoumanian, D., Di Francesco, J., Hill, T., Konyves, V., Nguyen-Luong, Q., Pezzuto, S., Schneider, N., **Testi, L.**, & White, G., 2013, ApJ, 763, 55 [[ADS](#)]

Submillimeter Interferometry of the Luminous Infrared Galaxy NGC 4418: A Hidden Hot Nucleus with an Inflow and an Outflow

Sakamoto, K., Aalto, S., Costagliola, F., **Martín, S.**, Ohyama, Y., Wiedner, M.C., & Wilner, D.J., 2013, ApJ, 764, 42 [[ADS](#)]

Different evolutionary stages in massive star formation. Centimeter continuum and H₂O maser emission with ATCA

Sánchez-Monge, Á., Beltrán, M.T., Cesaroni, R., Fontani, F., Brand, J., Molinari, S., **Testi, L.**, & Burton, M., 2013, A&A, 550, 21 [[ADS](#)]

CO in late-type galaxies within the central region of Abell 1367

Scott, T.C., Usero, A., Brinks, E., Boselli, A., **Cortese, L.**, & Bravo-Alfaro, H., 2013, MNRAS, 429, 221 [[ADS](#)]

The impact of galaxy harassment on the globular cluster systems of early-type cluster dwarf galaxies

Smith, R., **Sánchez-Janssen, R.**, Fellhauer, M., Puzia, T.H., Aguerri, J.A.L., & Fariás, J.P., 2013, MNRAS, 429, 1066 [[ADS](#)]

MOA-2010-BLG-073L: An M-dwarf with a Substellar Companion at the Planet/Brown Dwarf Boundary

Street, R.A., Choi, J.-Y., Tsapras, Y., Han, C., Furusawa, K., Hundertmark, M., Gould, A., Sumi, T., Bond, I.A.,

Wouters, D., Zelle, R., Udalski, A., The RoboNet Collaboration, T.R.C., Snodgrass, C., Horne, K., Dominik, M., Browne, P., **Kains, N., Bramich, D.M.**, Bajek, D., Steele, I.A., Ipatov, S., The MOA Collaboration, T.M.C., Abe, F., Bennett, D.P., Botzler, C.S., Chote, P., Freeman, M., Fukui, A., Harris, P., Itow, Y., Ling, C.H., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagayama, T., Nishimaya, S., Ohnishi, K., Rattenbury, N., Saito, T., Sullivan, D.J., Suzuki, D., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., The OGLE Collaboration, T.O.C., Szymański, M.K., Kubiak, M., Pietrzyński, G., Soszyński, I., Poleski, R., Ulaczyk, K., Wyrzykowski, Ł., The μ FUN Collaboration, T. μ C., Yee, J., Dong, S., Shin, I.-G., Lee, C.-U., Skowron, J., De Almeida, L.A., DePoy, D.L., Gaudi, B.S., Hung, L.-W., Jablonski, F., Kaspi, S., Klein, N., Hwang, K.-H., Koo, J.-R., Maoz, D., Muñoz, J.A., Pogge, R.W., Polishhook, D., Shporer, A., McCormick, J., Christie, G., Natusch, T., Allen, B., Drummond, J., Moorhouse, D., Thornley, G., Knowler, M., Bos, M., Bolt, G., The PLANET Collaboration, T.P.C., Beaulieu, J.-P., Albrow, M.D., 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., Bachelet, E., Greenhill, J., Kane, S.R., Kubas, D., Marquette, J.-B., Martin, R., Menzies, J., Pollard, K.R., Sahu, K.C., Wambsganss, J., Williams, A., Zub, M., MiNDSTeP, M., Alsubai, K.A., Bozza, V., Burgdorf, M.J., Calchi Novati, S., Dodds, P., Dreizler, S., Finet, F., Gerner, T., Hardis, S., Harpsøe, K., Hessman, F., Hinse, T.C., Jørgensen, U.G., Kerins, E., Liebig, C., Mancini, L., Mathiasen, M., Penny, M.T., Proft, S., Rahvar, S., Ricci, D., Scarpetta, G., Schäfer, S., Schönebeck, F., Southworth, J., Surdej, J., 2013, ApJ, 763, 67 [\[ADS\]](#)

MHD modelling of a disc wind from a high-mass protobinary: the case of Orion Source I

Vaidya, B., & **Goddi, C.**, 2013, MNRAS, 429, L50 [\[ADS\]](#)

HerMES: Candidate Gravitationally Lensed Galaxies and Lensing Statistics at Submillimeter Wavelengths

Wardlow, J.L., Cooray, A., De Bernardis, F., Amblard, A., Arumugam, V., Aussel, H., Baker, A.J., Béthermin, M., Blundell, R., Bock, J., Boselli, A., Bridge, C., Buat, V., Burgarella, D., Bussmann, R.S., Cabrera-Lavers, A., Calanog, J., Carpenter, J.M., Casey, C.M., Castro-Rodríguez, N., Cava, A., Chanial, P., Chapin, E., Chapman, S.C., Clements, D.L., Conley, A., Cox, P., Dowell, C.D., Dye, S., Eales, S., Farrah, D., Ferrero, P., Franceschini, A., Frayer, D.T., Frazer, C., Fu, H., Gavazzi, R., Glenn, J., González Solares, E.A., Griffin, M., Gurwell, M.A., Harris, A.I., **Hatziminaoglou, E.**, Hopwood, R., Hyde, A., Ibar, E., Ivison, R.J., Kim, S., Lagache, G., Levenson, L., Marchetti, L., Marsden, G., Martinez-Navajas, P., Negrello, M., Neri, R., 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., Riechers, D., Rigopoulou, D., Roseboom, I.G., Rowan-Robinson, M., Schulz, B., Scott, D., Scoville, N., Seymour, N., Shupe, D.L., Smith, A.J., Streblyanska, A., Strom, A., Symeonidis, M., Trichas, M., Vaccari, M., Vieira, J.D., Viero, M., Wang, L., Xu, C.K., Yan, L., & Zemcov, M., 2013, ApJ, 762, 59 [\[ADS\]](#)

CLASH: The Enhanced Lensing Efficiency of the Highly Elongated Merging Cluster MACS J0416.1-2403

Zitrin, A., Meneghetti, M., Umetsu, K., Broadhurst, T., Bartelmann, M., Bouwens, R., Bradley, L., Carrasco, M., Coe, D., Ford, H., Kelson, D., Koekemoer, A.M., Medezinski, E., Moustakas, J., Moustakas, L.A., Nonino, M., Postman, M., **Rosati, P.**, Seidel, G., Seitz, S., Sendra, I., Shu, X., Vega, J., & Zheng, W., 2013, ApJ, 762, L30 [\[ADS\]](#)

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