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Cosmology

[Galaxy Halo Truncation and Giant Arc Surface Brightness Reconstruction in the Cluster MACSJ1206.2-0847](#)

Eichner, T., Seitz, S., Suyu, S.H., Halkola, A., Umetsu, K., Zitrin, A., Coe, D., Monna, A., **Rosati, P.**, Grillo, C., Balestra, I., Postman, M., Koekemoer, A., Zheng, W., Høst, O., Lemze, D., Broadhurst, T., Moustakas, L., Bradley, L., Molino, A., Nonino, M., Mercurio, A., Scodreggio, M., Bartelmann, M., Benitez, N., Bouwens, R., Donahue, M., Infante, L., Jouvel, S., Kelson, D., Lahav, O., Medezinski, E., Melchior, P., Merten, J., & Riess, A., 2013, ApJ, 774, 124 [\[ADS\]](#)

Instruments: VIMOS

[Investigating the relationship between AGN activity and stellar mass in zCOSMOS galaxies at \$0 < z < 1\$ using emission-line diagnostic diagrams](#)

Vitale, M., Mignoli, M., Cimatti, A., Lilly, S.J., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fevre, O., **Mainieri, V.**, Renzini, A., Scodreggio, M., Zamorani, G., Bardelli, S., Barnes, L., Bolzonella, M., Bongiorno, A., Bordoloi, R., Bschorr, T.J., Cappi, A., Caputi, K., Coppa, G., Cucchiati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kampczyk, P., Knobel, C., Koekemoer, A.M., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., López-Sanjuan, C., Maier, C., McCracken, H.J., Moresco, M., Nair, P., Oesch, P.A., Pello, R., Peng, Y., Pérez Montero, E., Pozzetti, L., Presotto, V., Silverman, J., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Welikala, N., Zucca, E., 2013, A&A, 556, 11 [\[ADS\]](#)

Instruments: VIMOS

Galaxies and Galactic Nuclei

[One more neighbor: The first brown dwarf in the VVV survey](#)

Beamin, J.C., Minniti, D., Gromadzki, M., Kurtev, R., **Ivanov, V.D.**, Beletsky, Y., Lucas, P., Saito, R.K., & Borissova, J., 2013, A&A, 557, L8 [\[ADS\]](#)

Instruments: VIRCAM

[Beginning of activity in 67P/Churyumov-Gerasimenko and predictions for 2014-2015](#)

Snodgrass, C., Tubiana, C., **Bramich, D.M.**, Meech, K., Boehnhardt, H., & Barrera, L., 2013, A&A, 557, 33 [\[ADS\]](#)
Instruments: FORS1, FORS1, FORS2, FORS2, FORS2, FORS2, FORS2, FORS2, FORS2, FORS2, ISAAC, ISAAC, EFOSC2_3.6, EFOSC2_3.6, EFOSC2_3.6, EMMI, EMMI, EMMI, EMMI, SUSI2, VIMOS, EFOSC2_NTT, EFOSC2_NTT, EFOSC2_NTT, EFOSC2_2.2

Interstellar Medium, Star Formation and Planetary Systems

[Astrometric results of observations of mutual occultations and eclipses of the Uranian satellites in 2007](#)

Arlot, J.-E., Emelyanov, N.V., Aslan, Z., Assafin, M., Bel, J., Bhatt, B.C., Braga-Ribas, F., Camargo, J.I.B., Casas, R., Colas, F., Coliac, J.F., **Dumas, C.**, Ellington, C.K., Forné, E., Frappa, E., Khamitov, I., Miller, C., Modic, R.J., Sahu, D., Sicardy, B., Tanga, P., Valdes Sada, P., & Vasundhara, R., Vieira-Martins, R., 2013, A&A, 557, 4 [\[ADS\]](#)

Instruments: NACO

[The HARPS search for southern extra-solar planets. XXXIV. A planetary system around the nearby M dwarf GJ 163, with a super-Earth possibly in the habitable zone](#)

Bonfils, X., **Lo Curto, G.**, Correia, A.C.M., Laskar, J., Udry, S., Delfosse, X., Forveille, T., Astudillo-Defru, N., Benz, W., Bouchy, F., Gillon, M., Hébrard, G., Lovis, C., Mayor, M., Moutou, C., Naef, D., Neves, V., Pepe, F., Perrier, C., Queloz, D., Santos, N.C., & Ségransan, D., 2013, A&A, 556, 110 [\[ADS\]](#)

Instruments: HARPS, HARPS, HARPS

[A Multiplicity Census of Intermediate-mass Stars in Scorpius-Centaurus](#)

Janson, M., Lafrenière, D., Jayawardhana, R., Bonavita, M., **Girard, J.H.**, Brandeker, A., & Gizis, J.E., 2013, ApJ, 773, 170 [\[ADS\]](#)
Instruments: NACO

[Study of the impact of the post-MS evolution of the host star on the orbits of close-in planets. II. A giant planet in a close-in orbit around the RGB star HIP 63242](#)

Jones, M.I., Jenkins, J.S., Rojo, P., **Melo, C.H.F.**, & Bluhm, P., 2013, A&A, 556, 78 [\[ADS\]](#)
Instruments: FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2

Stellar Evolution

[Spatio-kinematic modelling of Abell 65, a double-shelled planetary nebula with a binary central star](#)

Huckvale, L., Prouse, B., **Jones, D.**, Lloyd, M., Pollacco, D., López, J.A., O'Brien, T.J., Sabin, L., & Vaytet, N.M.H., 2013, MNRAS, 434, 1505 [\[ADS\]](#)
Instruments: UVES

[\[O I\] \$\lambda\lambda 6300, 6364\$ in the Nebular Spectrum of a Subluminous Type Ia Supernova](#)

Taubenberger, S., Kromer, M., Pakmor, R., Pignata, G., Maeda, K., Hachinger, S., **Leibundgut, B.**, & Hillebrandt, W., 2013, ApJ, 775, L43 [\[ADS\]](#)
Instruments: FORS2

[NGC 1252: a high altitude, metal poor open cluster remnant](#)

de la Fuente Marcos, R., de la Fuente Marcos, C., Moni Bidin, C., **Carraro, G.**, & Costa, E., 2013, MNRAS, 434, 194 [\[ADS\]](#)
Instruments: FEROS2.2, HARPS

Miscellaneous

[ALMA imaging of the CO snowline of the HD 163296 disk with DCO+](#)

Mathews, G.S., Klaassen, P.D., Juhász, A., Harsono, D., Chapillon, E., van Dishoeck, E.F., Espada, D., **de Gregorio-Monsalvo, I.**, Hales, A., Hogerheijde, M.R., Mottram, J.C., Rawlings, M.G., Takahashi, S., & **Testi, L.**, 2013, A&A, 557, 132 [\[ADS\]](#)
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

[Unveiling the gas-and-dust disk structure in HD 163296 using ALMA observations](#)

de Gregorio-Monsalvo, I., Ménard, F., **Dent, W.**, Pinte, C., López, C., Klaassen, P., Hales, A., Cortés, P., Rawlings, M.G., Tachihara, K., **Testi, L.**, Takahashi, S., Chapillon, E., Mathews, G., Juhasz, A., Akiyama, E., Higuchi, A.E., Saito, M., **Nyman, L.-Å.**, **Phillips, N.**, **Rodón, J.**, Corder, S., Van Kempen, T., 2013, A&A, 557, 133 [\[ADS\]](#)
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

Papers without ESO data

[The Rich Globular Cluster System of Abell 1689 and the Radial Dependence of the Globular Cluster Formation Efficiency](#)

Alamo-Martínez, K.A., Blakeslee, J.P., Jee, M.J., Côté, P., Ferrarese, L., González-Lópezlira, R.A., Jordán, A., Meurer, G.R., Peng, E.W., & **West, M.J.**, 2013, ApJ, 775, 20 [\[ADS\]](#)

[A detailed census of variable stars in the globular cluster NGC 6333 \(M9\) from CCD differential photometry](#)

Arellano Ferro, A., **Bramich, D.M.**, **Figuera Jaimes, R.**, Giridhar, S., **Kains, N.**, Kuppuswamy, K., Jørgensen, U.G., Alsubai, K.A., Andersen, J.M., Bozza, V., Browne, P., Calchi Novati, S., Damerdjil, Y., Diehl, C., Dominik, M., Dreizler, S., Elyiv, A., Giannini, E., Harpsøe, K., Hessman, F.V., Hinse, T.C., Hundertmark, M., Juncher, D., Kerins, E., Korhonen, H., Liebig, C., Mancini, L., Mathiasen, M., Penny, M.T., Rabus, M., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Snodgrass, C., Southworth, J., Surdej, J., Tregloan-Reed, J., Vilela, C., Wertz, O., & Mindstep Consortium, M.C., 2013, MNRAS, 434, 1220 [\[ADS\]](#)

Millimetre continuum observations of comet C/2009 P1 (Garradd)

Boissier, J., Bockelée-Morvan, D., Groussin, O., Lamy, P., Biver, N., Crovisier, J., Colom, P., Moreno, R., Jorda, L., & Piétu, V., 2013, A&A, 557, 88 [[ADS](#)]

Stellar and circumstellar properties of visual binaries in the Orion Nebula Cluster

Correia, S., Duchêne, G., Reipurth, B., Zinnecker, H., **Daemgen, S.**, Petr-Gotzens, M.G., Köhler, R., Ratzka, T., Aspin, C., Konopacky, Q.M., & Ghez, A.M., 2013, A&A, 557, 63 [[ADS](#)]

High-resolution mm and cm study of the obscured LIRG NGC 4418 . A compact obscured nucleus fed by in-falling gas?

Costagliola, F., Aalto, S., Sakamoto, K., **Martín, S.**, Beswick, R., Muller, S., & Klöckner, H.-R., 2013, A&A, 556, 66 [[ADS](#)]

Photometric Determination of the Mass Accretion Rates of Pre-main-sequence Stars. IV. Recent Star Formation in NGC 602

De Marchi, G., **Beccari, G.**, & Panagia, N., 2013, ApJ, 775, 68 [[ADS](#)]

Herschel Reveals Massive Cold Clumps in NGC 7538

Fallscheer, C., Reid, M.A., Di Francesco, J., Martin, P.G., Hill, T., Hennemann, M., Nguyen-Luong, Q., Motte, F., Men'shchikov, A., André, P., Ward-Thompson, D., Griffin, M., Kirk, J., Konyves, V., Rygl, K.L.J., Sadavoy, S., Sauvage, M., Schneider, N., Anderson, L.D., Benedettini, M., Bernard, J.-P., Bontemps, S., Ginsburg, A., Molinari, S., Polychroni, D., Rivera-Ingraham, A., Roussel, H., **Testi, L.**, White, G., Williams, J.P., Wilson, C.D., Wong, M., Zavagno, A., 2013, ApJ, 773, 102 [[ADS](#)]

The roles of star formation and AGN activity of IRS sources in the HerMES fields

Feltre, A., **Hatziminaoglou, E.**, Hernán-Caballero, A., Fritz, J., Franceschini, A., Bock, J., Cooray, A., Farrah, D., Solares, E.A.G., Ibar, E., Isaak, K.G., Faro, B.L., Marchetti, L., Oliver, S.J., Page, M.J., Rigopoulou, D., Roseboom, I.G., Symeonidis, M., & Vaccari, M., 2013, MNRAS, 434, 2426 [[ADS](#)]

A quasar-galaxy mixing diagram: quasar spectral energy distribution shapes in the optical to near-infrared

Hao, H., Elvis, M., Bongiorno, A., Zamorani, G., Merloni, A., Kelly, B.C., Civano, F., Celotti, A., Ho, L.C., Jahnke, K., Comastri, A., Trump, J.R., **Mainieri, V.**, Salvato, M., Brusa, M., Impey, C.D., Koekemoer, A.M., Lanzuisi, G., Vignali, C., Silverman, J.D., Urry, C.M., & Schawinski, K., 2013, MNRAS, 434, 3104 [[ADS](#)]

An HST optical-to-near-IR transmission spectrum of the hot Jupiter WASP-19b: detection of atmospheric water and likely absence of TiO

Huitson, C.M., Sing, D.K., Pont, F., Fortney, J.J., Burrows, A.S., Wilson, P.A., Ballester, G.E., Nikolov, N., **Gibson, N.P.**, Deming, D., Aigrain, S., Evans, T.M., Henry, G.W., Lecavelier des Etangs, A., Showman, A.P., Vidal-Madjar, A., & Zahnle, K., 2013, MNRAS, 434, 3252 [[ADS](#)]

Toward a New Geometric Distance to the Active Galaxy NGC 4258. III. Final Results and the Hubble Constant

Humphreys, E.M.L., Reid, M.J., Moran, J.M., Greenhill, L.J., & Argon, A.L., 2013, ApJ, 775, 13 [[ADS](#)]

Ionization driven molecular outflow in K3-50A

Klaassen, P.D., **Galván-Madrid, R.**, Peters, T., **Longmore, S.N.**, & **Maercker, M.**, 2013, A&A, 556, 107 [[ADS](#)]

Did massive black holes in globular clusters initially satisfy galactic scaling relations?

Kruijssen, J.M.D., & **Lützgendorf, N.**, 2013, MNRAS, 434, L41 [[ADS](#)]

Proper motions of young stars in Chamaeleon. II. New kinematical candidate members of Chamaeleon I and II

López Martí, B., Jiménez-Esteban, F., **Bayo, A.**, Barrado, D., Solano, E., Bouy, H., & Rodrigo, C., 2013, A&A, 556, 144 [[ADS](#)]

Star Count Density Profiles and Structural Parameters of 26 Galactic Globular Clusters

Miocchi, P., Lanzoni, B., Ferraro, F.R., Dalessandro, E., Vesperini, E., Pasquato, M., **Beccari, G.**, Pallanca, C., & Sanna, N., 2013, ApJ, 774, 151 [[ADS](#)]

Morphology with light profile fitting of confirmed cluster galaxies at $z = 0.84$ (Corrigendum)

Nantais, J.B., Flores, H., Demarco, R., Lidman, C., **Rosati, P.**, & Jee, M.J., 2013, A&A, 556, 4 [[ADS](#)]

The multiplicity of ϕ Phe revisited

Pourbaix, D., **Boffin, H.M.J.**, Chini, R., & Dembsky, T., 2013, A&A, 556, 45 [[ADS](#)]

Unexpected Ionization Structure in Eta Carinae's "Weigelt Knots"

Remmen, G.N., Davidson, K., & **Mehner, A.**, 2013, ApJ, 773, 27 [[ADS](#)]

X-ray embedded stars as driving sources of outflow-driven turbulence in OMC1-S

Rivilla, V.M., Martín-Pintado, J., Sanz-Forcada, J., **Jiménez-Serra, I.**, & Rodríguez-Franco, A., 2013, MNRAS, 434, 2313 [[ADS](#)]

Calibrating the fundamental plane with SDSS DR8 data

Saulder, C., **Mieske, S.**, Zeilinger, W.W., & Chilingarian, I., 2013, A&A, 557, 21 [[ADS](#)]

High-precision photometry by telescope defocusing - V. WASP-15 and WASP-16

Southworth, J., Mancini, L., Browne, P., Burgdorf, M., Calchi Novati, S., Dominik, M., Gerner, T., Hinse, T.C., Jørgensen, U.G., **Kains, N.**, Ricci, D., Schäfer, S., Schönebeck, F., Tregloan-Reed, J., Alsubai, K.A., Bozza, V., Chen, G., Dodds, P., Dreizler, S., Fang, X.-S., Finet, F., Gu, S.-H., Hardis, S., Harpsøe, K., Henning, T., Hundertmark, M., Jessen-Hansen, J., Kerins, E., Kjeldsen, H., Liebig, C., Lund, M.N., Lundkvist, M., Mathiasen, M., Nikolov, N., Penny, M.T., Proft, S., Rahvar, S., Sahu, K., Scarpetta, G., Skottfelt, J., Snodgrass, C., Surdej, J., Wertz, O., 2013, MNRAS, 434, 1300 [[ADS](#)]

Molecular gas in type 2 quasars at $z \sim 0.2-0.3$

Villar-Martín, M., Rodríguez, M., **Drouart, G.**, Emonts, B., Colina, L., Humphrey, A., García Burillo, S., Graciá Carpio, J., Planesas, P., Pérez Torres, M., & Arribas, S., 2013, MNRAS, 434, 978 [[ADS](#)]

On the Origin of Lopsidedness in Galaxies as Determined from the Spitzer Survey of Stellar Structure in Galaxies (S4G)

Zaritsky, D., Salo, H., Laurikainen, E., Elmegreen, D., Athanassoula, E., Bosma, A., Comerón, S., Erroz-Ferrer, S., Elmegreen, B., **Gadotti, D.A.**, Gil de Paz, A., Hinz, J.L., Ho, L.C., Holwerda, B.W., **Kim, T.**, Knapen, J.H., Laine, J., Laine, S., Madore, B.F., Meidt, S., Menendez-Delmeestre, K., Mizusawa, T., **Muñoz-Mateos, J.C.**, Regan, M.W., Seibert, M., & Sheth, K., 2013, ApJ, 772, 135 [[ADS](#)]

Equilibrium star formation in a constant Q disc: model optimization and initial tests

Zheng, Z., Meurer, G.R., Heckman, T.M., Thilker, D.A., & **Zwaan, M.A.**, 2013, MNRAS, 434, 3389 [[ADS](#)]

Explaining two circumnuclear star forming rings in NGC 5248

van der Laan, T.P.R., Schinnerer, E., **Emsellem, E.**, Meidt, S., Dumas, G., Böker, T., Hunt, L., Haan, S., Mundell, C., & Wozniak, H., 2013, A&A, 556, 98 [[ADS](#)]

ALMA Observations of the Massive Molecular Outflow G331.512–0.103

Merello, M., Bronfman, L., Garay, G., Lo, N., Evans, N.J.I., **Nyman, L.-Å.**, Cortés, J.R., Cunningham, M.R., 2013, ApJ, 774, L7 [[ADS](#)]

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