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### Cosmology

#### [Photometric Constraints on the Redshift of \$z \sim 10\$ Candidate UDFj-39546284 from Deeper WFC3/IR+ACS+IRAC Observations over the HUDF](#)

Bouwens, R.J., Oesch, P.A., Illingworth, G.D., Labbé, I., van Dokkum, P.G., **Brammer, G.**, Magee, D., Spitler, L.R., Franx, M., Smit, R., Trenti, M., Gonzalez, V., & Carollo, C.M., 2013, ApJ, 765, L16 [[ADS](#)]

*Instruments:* ISAAC, ISAAC, HAWK-I

#### [The Curious Case of Glass I: High Ionization and Variability of Different Types](#)

Kruger, A.J., Richter, M.J., Carr, J.S., Najita, J.R., **Moerchen, M.M.**, Doppmann, G.W., & Seifahrt, A., 2013, ApJ, 764, 127 [[ADS](#)]

*Instruments:* FORS1, WFI, WFI, VISIR, X-SHOOTER

#### [The demise of Comet 85P/Boethin, the first EPOXI mission target](#)

Meech, K.J., Kleyana, J., **Hainaut, O.R.**, Lowry, S.C., Fuse, T., A'Hearn, M.F., Chesley, S., Yeomans, D.K., Fernández, Y., Lisse, C., Reach, W., Bauer, J.M., Mainzer, A.K., Pittichová, J., Christensen, E., Osip, D., Brink, T., Mateo, M., Motta, V., Challis, P., Holman, M., & Ferrin, I., 2013, Icar, 222, 662 [[ADS](#)]

*Instruments:* FORS1, FORS1, FORS2, FORS2, FORS2, FORS2, FORS2, SUSI2

#### [Distant galaxy clusters in a deep XMM-Newton field within the CFHTLS D4](#)

de Hoon, A., Lamer, G., Schwobe, A., Mühlegger, M., Fassbender, R., Böhringer, H., Lerchster, M., Nastasi, A., Suhada, R., Verdugo, M., Dietrich, J.P., Brimiouille, F., **Rosati, P.**, Pierini, D., Santos, J.S., Quintana, H., Rabitz, A., & Takey, A., 2013, A&A, 551, 8 [[ADS](#)]

*Instruments:* FORS2, FORS2, FORS2, FORS2

### Galaxies and Galactic Nuclei

#### [The thermal state of molecular clouds in the Galactic center: evidence for non-photon-driven heating](#)

Ao, Y., Henkel, C., Menten, K.M., Requena-Torres, M.A., **Stanke, T.**, **Mauersberger, R.**, Aalto, S., Mühle, S., & Mangum, J., 2013, A&A, 550, 135 [[ADS](#)]

*Instruments:* SHFI

#### [Near-infrared proper motions and spectroscopy of infrared excess sources at the Galactic center](#)

Eckart, A., **Mužić, K.**, Yazici, S., Sabha, N., Shahzamanian, B., Witzel, G., Moser, L., Garcia-Marin, M., Valencia-S., M., Jalali, B., Bremer, M., Straubmeier, C., Rauch, C., Buchholz, R., Kunneriath, D., & Moultaqa, J., 2013, A&A, 551, 18 [[ADS](#)]

*Instruments:* NACO, NACO, SINFONI

#### [A peek behind the dusty curtain: KS-band polarization photometry and bow shock models of the Galactic center source IRS 8](#)

Rauch, C., **Mužić, K.**, Eckart, A., Buchholz, R.M., Garcia-Marín, M., Sabha, N., Straubmeier, C., Valencia-S., M., & Yazici, S., 2013, A&A, 551, 35 [[ADS](#)]

*Instruments:* NACO, NACO, VISIR

#### [Starburst and old stellar populations in the \$z \approx 3.8\$ radio galaxies 4C 41.17 and TN J2007-1316](#)

Rocca-Volmerange, B., **Drouart, G.**, **De Breuck, C.**, **Vernet, J.**, Seymour, N., **Wylezalek, D.**, Lehnert, M., Nesvadba, N., & Fioc, M., 2013, MNRAS, 429, 2780 [[ADS](#)]

*Instruments:* FORS1

[Planetary nebulae and H ii regions in the spiral galaxy NGC 300. Clues on the evolution of abundance gradients and on AGB nucleosynthesis](#)

Stasińska, G., Peña, M., Bresolin, F., & Tsamis, Y.G., 2013, A&A, 552, 12 [[ADS](#)]

*Instruments:* FORS2

## Interstellar Medium, Star Formation and Planetary Systems

[The outflow history of two Herbig-Haro jets in RCW 36: HH 1042 and HH 1043](#)

Ellerbroek, L.E., Podio, L., Kaper, L., Sana, H., Huppenkothen, D., de Koter, A., & Monaco, L., 2013, A&A, 551, 5 [[ADS](#)]

*Instruments:* X-SHOOTER

[CO bandhead emission of massive young stellar objects: determining disc properties](#)

Ilee, J.D., Wheelwright, H.E., Oudmaijer, R.D., de Wit, W.J., Maud, L.T., Hoare, M.G., Lumsden, S.L., Moore, T.J.T., Urquhart, J.S., & Mottram, J.C., 2013, MNRAS, 429, 2960 [[ADS](#)]

*Instruments:* CRILES

[Sculpting the disk around T Chamaeleontis: an interferometric view](#)

Olofsson, J., Benisty, M., Le Bouquin, J.-B., Berger, J.-P., Lacour, S., Ménard, F., Henning, T., Crida, A., Burtscher, L., Meeus, G., Ratzka, T., Pinte, C., Augereau, J.-C., Malbet, F., Lazareff, B., Traub, W., 2013, A&A, 552, 4 [[ADS](#)]

*Instruments:* NACO, AMBER, MIDI, PIONIER, PIONIER, PIONIER

[A Young Protoplanet Candidate Embedded in the Circumstellar Disk of HD 100546](#)

Quanz, S.P., Amara, A., Meyer, M.R., Kenworthy, M.A., Kasper, M., & Girard, J.H., 2013, ApJ, 766, L1 [[ADS](#)]

*Instruments:* NACO

[Triggered/sequential star formation? A multi-phase ISM study around the prominent IRDC G18.93-0.03](#)

Tackenberg, J., Beuther, H., Plume, R., Henning, T., Stil, J., Walmsley, M., Schuller, F., & Schmedeke, A., 2013, A&A, 550, 116 [[ADS](#)]

*Instruments:* LABOCA, LABOCA, LABOCA, LABOCA, LABOCA

[Activity of Comet 103P/Hartley 2 at the time of the EPOXI mission fly-by](#)

Tozzi, G.P., Epifani, E.M., Hainaut, O.R., Patriarchi, P., Lara, L., Brucato, J.R., Boehnhardt, H., Bó, M.D., Licandro, J., Meech, K., & Tanga, P., 2013, Icar, 222, 766 [[ADS](#)]

*Instruments:* EFOSC2\_NTT

## Stellar Evolution

[NGC 2849 and NGC 6134: two more BOCCE open clusters](#)

Ahumada, A.V., Cignoni, M., Bragaglia, A., Donati, P., Tosi, M., & Marconi, G., 2013, MNRAS, 430, 221 [[ADS](#)]

[The subdwarf B star SB 290 - A fast rotator on the extreme horizontal branch](#)

Geier, S., Heber, U., Heuser, C., Classen, L., O'Toole, S.J., & Edelmann, H., 2013, A&A, 551, L4 [[ADS](#)]

*Instruments:* FEROS2.2, FEROS1.5, EFOSC2\_NTT

[Exploring the origin of magnetic fields in massive stars. II. New magnetic field measurements in cluster and field stars](#)

Hubrig, S., Schöller, M., Ilyin, I., Kharchenko, N.V., Oskinova, L.M., Langer, N., González, J.F., Kholtygin, A.F., Briquet, M., & Magori Collaboration, M.C., 2013, A&A, 551, 33 [[ADS](#)]

*Instruments:* FORS2, HARPS

[The nearby eclipsing stellar system  \$\delta\$  Velorum. IV. Differential astrometry with VLT/NACO at the 100 microarcsecond level](#)

Kervella, P., Mérand, A., Petr-Gotzens, M.G., Pribulla, T., & Thévenin, F., 2013, A&A, 552, 18 [[ADS](#)]

*Instruments:* NACO, NACO, HARPS, HARPS

[The quasi-resonant variability of the massive LMC system BI 108](#)

Kołaczkowski, Z., Mennickent, R.E., Rivinius, T., & Pietrzyński, G., 2013, MNRAS, 429, 2852 [[ADS](#)]

*Instruments:* UVES

### [On the Radio and Near-infrared Jet of PKS 2155-304 and Its Close Environment](#)

Liuzzo, E., Falomo, R., Treves, A., Arcidiacono, C., Torresi, E., Uslenghi, M., Farinato, J., Moretti, A., Ragazzoni, R., Diolaiti, E., Lombini, M., Brast, R., **Donaldson, R., Kolb, J., Marchetti, E., & Tordo, S.**, 2013, AJ, 145, 73 [[ADS](#)]  
*Instruments:* MAD

## Miscellaneous

### [First stars. XVI. HST/STIS abundances of heavy elements in the uranium-rich metal-poor star CS 31082-001](#)

Siqueira Mello, C., Spite, M., Barbuy, B., Spite, F., Caffau, E., Hill, V., Wanajo, S., **Primas, F.**, Plez, B., Cayrel, R., Andersen, J., Nordström, B., Sneden, C., Beers, T.C., Bonifacio, P., François, P., & Molaro, P., 2013, A&A, 550, 122 [[ADS](#)]

*Instruments:* UVES

### [An MK-like system of spectral classification for hot subdwarfs](#)

Drilling, J.S., Jeffery, C.S., Heber, U., **Moehler, S.**, & Napiwotzki, R., 2013, A&A, 551, 31 [[ADS](#)]

### [ALMA Observations of SPT-Discovered, Strongly Lensed, Dusty, Star-Forming Galaxies](#)

Hezaveh, Y.D., Marrone, D.P., Fassnacht, C.D., Spilker, J.S., Vieira, J.D., Aguirre, J.E., Aird, K.A., **Aravena, M.**, Ashby, M.L.N., Bayliss, M., Benson, B.A., Bleem, L.E., Bothwell, M., Brodwin, M., Carlstrom, J.E., Chang, C.L., Chapman, S.C., Crawford, T.M., Crites, A.T., **De Breuck, C.**, de Haan, T., Dobbs, M.A., Fomalont, E.B., George, E.M., Gladders, M.D., Gonzalez, A.H., Greve, T.R., Halverson, N.W., High, F.W., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Husband, K., Hunter, T.R., Keisler, R., Lee, A.T., Leitch, E.M., Lueker, M., Luong-Van, D., Malkan, M., McIntyre, V., McMahon, J.J., Mehl, J., Menten, K.M., Meyer, S.S., Mocz, L.M., Murphy, E.J., Natoli, T., Padin, S., Plagge, T., Reichardt, C.L., Rest, A., Ruel, J., Ruhl, J.E., Sharon, K., Schaffer, K.K., Shaw, L., Shirokoff, E., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K., Vanderlinde, K., Weiß, A., Welikala, N., & Williamson, R., 2013, arXiv, 1303, 2722 [[ADS](#)]

*Instruments:* ALMA\_Bands, ALMA\_Bands

### [Dusty starburst galaxies in the early Universe as revealed by gravitational lensing](#)

Vieira, J.D., Marrone, D.P., Chapman, S.C., **De Breuck, C.**, Hezaveh, Y.D., Weiß, A., Aguirre, J.E., Aird, K.A., **Aravena, M.**, Ashby, M.L.N., Bayliss, M., Benson, B.A., **Biggs, A.D.**, Bleem, L.E., Bock, J.J., Bothwell, M., Bradford, C.M., Brodwin, M., Carlstrom, J.E., Chang, C.L., Crawford, T.M., Crites, A.T., de Haan, T., Dobbs, M.A., Fomalont, E.B., Fassnacht, C.D., George, E.M., Gladders, M.D., Gonzalez, A.H., Greve, T.R., **Gullberg, B.**, Halverson, N.W., High, F.W., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Hunter, T.R., Keisler, R., Lee, A.T., Leitch, E.M., Lueker, M., Luong-van, D., Malkan, M., McIntyre, V., McMahon, J.J., Mehl, J., Menten, K.M., Meyer, S.S., Mocz, L.M., Murphy, E.J., Natoli, T., Padin, S., Plagge, T., Reichardt, C.L., Rest, A., Ruel, J., Ruhl, J.E., Sharon, K., Schaffer, K.K., Shaw, L., Shirokoff, E., Spilker, J.S., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K., Vanderlinde, K., Welikala, N., & Williamson, R., 2013, Natur, 495, 344 [[ADS](#)]

*Instruments:* FORS2, LABOCA, SABOCA, SABOCA, ALMA\_Bands, ALMA\_Bands, Z-Spec, Z-Spec

### [ALMA redshifts of millimeter-selected galaxies from the SPT survey: The redshift distribution of dusty star-forming galaxies](#)

Weiss, A., **De Breuck, C.**, Marrone, D.P., Vieira, J.D., Aguirre, J.E., Aird, K.A., **Aravena, M.**, Ashby, M.L.N., Bayliss, M., Benson, B.A., Bethermin, M., **Biggs, A.D.**, Bleem, L.E., Bock, J.J., Bothwell, M., Bradford, C.M., Brodwin, M., Carlstrom, J.E., Chang, C.L., Chapman, S.C., Crawford, T.M., Crites, A.T., de Haan, T., Dobbs, M.A., Downes, T.P., Fassnacht, C.D., George, E.M., Gladders, M.D., Gonzalez, A.H., Greve, T.R., Halverson, N.W., Hezaveh, Y.D., High, F.W., Holder, G.P., Holzzapfel, W.L., Hoover, S., Hrubes, J.D., Husband, K., Keisler, R., Lee, A.T., Leitch, E.M., Lueker, M., Luong-Van, D., Malkan, M., McIntyre, V., McMahon, J.J., Mehl, J., Menten, K.M., Meyer, S.S., Murphy, E.J., Padin, S., Plagge, T., Reichardt, C.L., Rest, A., Rosenman, M., Ruel, J., Ruhl, J.E., Schaffer, K.K., Shirokoff, E., Spilker, J.S., Stalder, B., Staniszewski, Z., Stark, A.A., Story, K., Vanderlinde, K., Welikala, N., & Williamson, R., 2013, arXiv, 1303, 2726 [[ADS](#)]

*Instruments:* FORS2, LABOCA, SABOCA, SABOCA, ALMA\_Bands, Z-Spec, Z-Spec

## Papers without ESO data

### [Extinction-controlled adaptive phase-mask coronagraph](#)

**Bourget, P., Schuhler, N., Mawet, D., & Haguenaer, P.**, 2013, A&A, 551, 42 [[ADS](#)]

### [A Tentative Detection of an Emission Line at 1.6 \$\mu\text{m}\$ for the \$z \sim 12\$ Candidate UDFj-39546284](#)

**Brammer, G.B.**, van Dokkum, P.G., Illingworth, G.D., Bouwens, R.J., Labbé, I., Franx, M., Momcheva, I., & Oesch, P.A., 2013, ApJ, 765, L2 [[ADS](#)]

**Unveiling a Network of Parallel Filaments in the Infrared Dark Cloud G14.225-0.506**

Busquet, G., Zhang, Q., Palau, A., Liu, H.B., Sánchez-Monge, Á., Estalella, R., Ho, P.T.P., de Gregorio-Monsalvo, I., Pillai, T., Wyrowski, F., Girart, J.M., Santos, F.P., & Franco, G.A.P., 2013, ApJ, 764, L26 [[ADS](#)]

**Automated processing of planetary hyperspectral datasets for the extraction of weak mineral signatures and applications to CRISM observations of hydrated silicates on Mars**

Carter, J., Poulet, F., Murchie, S., & Bibring, J.P., 2013, P&SS, 76, 53 [[ADS](#)]

**A Black Hole Nova Obscured by an Inner Disk Torus**

Corral-Santana, J.M., Casares, J., Muñoz-Darias, T., Rodríguez-Gil, P., Shahbaz, T., Torres, M.A.P., Zurita, C., & Tyndall, A.A., 2013, Sci, 339, 1048 [[ADS](#)]

**Observations of the 18-cm OH lines of Comet 103P/Hartley 2 at Nançay in support to the EPOXI and Herschel missions**

Crovisier, J., Colom, P., Biver, N., Bockelée-Morvan, D., & Boissier, J., 2013, Icar, 222, 679 [[ADS](#)]

**A black-hole mass measurement from molecular gas kinematics in NGC4526**

Davis, T.A., Bureau, M., Cappellari, M., Sarzi, M., & Blitz, L., 2013, Natur, 494, 328 [[ADS](#)]

**Results from HOPS: A multiwavelength census of Orion protostars**

Fischer, W.J., Megeath, S.T., Stutz, A.M., Tobin, J.J., Ali, B., Stanke, T., Osorio, M., Furlan, E., HOPS Team, H.T., & Orion Protostar Survey, O.P.S., 2013, AN, 334, 53 [[ADS](#)]

**Multiplicity of Galactic Cepheids from long-baseline interferometry. I. CHARA/MIRC detection of the companion of V1334 Cygni**

Gallenne, A., Monnier, J.D., Mérand, A., Kervella, P., Kraus, S., Schaefer, G.H., Gieren, W., Pietrzyński, G., Szabados, L., Che, X., Baron, F., Pedretti, E., McAlister, H., ten Brummelaar, T., Sturmman, J., Sturmman, L., Turner, N., Farrington, C., & Vargas, N., 2013, A&A, 552, 21 [[ADS](#)]

**Herschel-ATLAS/GAMA: a difference between star formation rates in strong-line and weak-line radio galaxies**

Hardcastle, M.J., Ching, J.H.Y., Virdee, J.S., Jarvis, M.J., Croom, S.M., Sadler, E.M., Mauch, T., Smith, D.J.B., Stevens, J.A., Baes, M., Baldry, I.K., Brough, S., Cooray, A., Dariush, A., De Zotti, G., Driver, S., Dunne, L., Dye, S., Eales, S., Hopwood, R., Liske, J., Maddox, S., Michałowski, M.J., Rigby, E.E., Robotham, A.S.G., Steele, O., Thomas, D., & Valiante, E., 2013, MNRAS, 429, 2407 [[ADS](#)]

**MegaMorph - multiwavelength measurement of galaxy structure: complete Sérsic profile information from modern surveys**

Häußler, B., Bamford, S.P., Vika, M., Rojas, A.L., Barden, M., Kelvin, L.S., Alpaslan, M., Robotham, A.S.G., Driver, S.P., Baldry, I.K., Brough, S., Hopkins, A.M., Liske, J., Nichol, R.C., Popescu, C.C., & Tuffs, R.J., 2013, MNRAS, 430, 330 [[ADS](#)]

**Maps of Massive Clumps in the Early Stage of Cluster Formation: Two Modes of Cluster Formation, Coeval or Non-coeval?**

Higuchi, A.E., Kurono, Y., Naoi, T., Saito, M., Mauersberger, R., & Kawabe, R., 2013, ApJ, 765, 101 [[ADS](#)]

**On the Distance of the Magellanic Clouds Using Cepheid NIR and Optical-NIR Period-Wesenheit Relations**

Inno, L., Matsunaga, N., Bono, G., Caputo, F., Buonanno, R., Genovali, K., Laney, C.D., Marconi, M., Piersimoni, A.M., Primas, F., & Romaniello, M., 2013, ApJ, 764, 84 [[ADS](#)]

**Disks, accretion and outflows of brown dwarfs**

Joergens, V., Herczeg, G., Liu, Y., Pascucci, I., Whelan, E., Alcalá, J., Biazzo, K., Costigan, G., Gully-Santiago, M., Henning, T., Natta, A., Rigliaco, E., Rodríguez-Ledesma, M.V., Sicilia-Aguilar, A., Tottle, J., & Wolf, S., 2013, AN, 334, 159 [[ADS](#)]

**Proper motions of young stars in Chamaeleon. I. A Virtual Observatory study of spectroscopically confirmed members**

Lopez Martí, B., Jimenez Esteban, F., Bayo, A., Barrado, D., Solano, E., & Rodrigo, C., 2013, A&A, 551, 46 [[ADS](#)]

### Multiple views of magnetism in cool stars

Morin, J., Jardine, M., Reiners, A., Shulyak, D., Beeck, B., Hallinan, G., Hebb, L., **Hussain, G.**, Jeffers, S.V., Kochukhov, O., Vidotto, A., & Walkowicz, L., 2013, AN, 334, 48 [\[ADS\]](#)

### Scientific Verification of Faraday Rotation Modulators: Detection of Diffuse Polarized Galactic Emission

Moyerman, S., Bierman, E., Ade, P.A.R., Aiken, R., **Barkats, D.**, Bischoff, C., Bock, J.J., Chiang, H.C., Dowell, C.D., Duband, L., Hivon, E.F., Holzapfel, W.L., Hristov, V.V., Jones, W.C., Kaufman, J., Keating, B.G., Kovac, J.M., Kuo, C.L., Leitch, E.M., Mason, P.V., Matsumura, T., Nguyen, H.T., Ponthieu, N., Pryke, C., Richter, S., Rocha, G., Sheehy, C., Takahashi, Y.D., Tolan, J.E., Wollack, E., & Yoon, K.W., 2013, ApJ, 765, 64 [\[ADS\]](#)

### Planck intermediate results. IV. The XMM-Newton validation programme for new Planck galaxy clusters

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoît, A., Bernard, J.-P., Bersanelli, M., Bikmaev, I., Böhringer, H., Bonaldi, A., Bond, J.R., Borgani, S., Borrill, J., Bouchet, F.R., Brown, M.L., Burigana, C., Butler, R.C., Cabella, P., Carvalho, P., Catalano, A., Cayón, L., Chamballu, A., Chary, R.R., Chiang, L.-Y., Chon, G., Christensen, P.R., Clements, D.L., Colafrancesco, S., Colombi, S., Coulais, A., Crill, B.P., Cuttaia, F., Da Silva, A., Dahle, H., Davis, R.J., de Bernardis, P., de Gasperis, G., de Zotti, G., Delabrouille, J., Démoclès, J., Désert, F.-X., Diego, J.M., Dolag, K., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Enßlin, T.A., Eriksen, H.K., Finelli, F., Flores-Cacho, I., Forni, O., Frailis, M., Franceschi, E., Frommert, M., Galeotta, S., Ganga, K., Génova-Santos, R.T., Giraud-Héraud, Y., González-Nuevo, J., González-Riestra, R., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Hempel, A., Henrot-Versillé, S., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Hornstrup, A., Hovest, W., Huppenberger, K.M., Hurier, G., Jaffe, A.H., Jagemann, T., Jones, W.C., Juvela, M., **Kneissl, R.**, Knoche, J., Knox, L., Kunz, M., Kurki-Suonio, H., Lagache, G., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Le Jeune, M., Leach, S., Leonardi, R., Liddle, A., Lilje, P.B., Linden-Vørnle, M., López-Caniego, M., Luzzi, G., Macías-Pérez, J.F., Maino, D., Mandolesi, N., Mann, R., Maris, M., Marleau, F., Marshall, D.J., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Mei, S., Meinhold, P.R., Melchiorri, A., Melin, J.-B., Mendes, L., Mennella, A., Mitra, S., Miville-Deschênes, M.-A., Moneti, A., Morgante, G., Mortlock, D., Munshi, D., Naselsky, P., Nati, F., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Osborne, S., Pajot, F., Paoletti, D., Perdereau, O., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Piffaretti, R., Plaszczynski, S., Platania, P., Pointecouteau, E., Polenta, G., Popa, L., Poutanen, T., Pratt, G.W., Prunet, S., Puget, J.-L., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Rocha, G., Rosset, C., Rossetti, M., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savini, G., Scott, D., Smoot, G.F., Stanford, A., Stivoli, F., Sudiwala, R., Sunyaev, R., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Valenziano, L., Van Tent, B., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., Welikala, N., Weller, J., White, S.D.M., Yvon, D., Zacchei, A., Zonca, A., 2013, A&A, 550, 130 [\[ADS\]](#)

### Planck intermediate results. VI. The dynamical structure of PLCKG214.6+37.0, a Planck discovered triple system of galaxy clusters

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Atrio-Barandela, F., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoît, A., Bernard, J.-P., Bersanelli, M., Bhatia, R., Bikmaev, I., Böhringer, H., Bonaldi, A., Bond, J.R., Borrill, J., Bouchet, F.R., Bourdin, H., Burenin, R., Burigana, C., Cabella, P., Cardoso, J.-F., Castex, G., Catalano, A., Cayón, L., Chamballu, A., Chiang, L.-Y., Chon, G., Christensen, P.R., Clements, D.L., Colafrancesco, S., Colombi, S., Colombo, L.P.L., Comis, B., Coulais, A., Crill, B.P., Cuttaia, F., Da Silva, A., Dahle, H., Danese, L., Davis, R.J., de Bernardis, P., de Gasperis, G., de Zotti, G., Delabrouille, J., Démoclès, J., Diego, J.M., Dolag, K., Dole, H., Donzelli, S., Doré, O., Dörl, U., Douspis, M., Dupac, X., Efstathiou, G., Enßlin, T.A., Eriksen, H.K., Finelli, F., Flores-Cacho, I., Forni, O., Frailis, M., Franceschi, E., Frommert, M., Galeotta, S., Ganga, K., Génova-Santos, R.T., Giard, M., Gilfanov, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Heinämäki, P., Hempel, A., Henrot-Versillé, S., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Hurier, G., Jaffe, T.R., Jaffe, A.H., Jagemann, T., Jones, W.C., Juvela, M., Keihänen, E., Khamitov, I., Kisner, T.S., **Kneissl, R.**, Knoche, J., Knox, L., Kunz, M., Kurki-Suonio, H., Lagache, G., Lähteenmäki, A., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Le Jeune, M., Leonardi, R., Lilje, P.B., López-Caniego, M., Luzzi, G., Macías-Pérez, J.F., Maino, D., Mandolesi, N., Maris, M., Marleau, F., Marshall, D.J., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Mei, S., Melchiorri, A., Melin, J.-B., Mendes, L., Mennella, A., Mitra, S., Miville-Deschênes, M.-A., Moneti, A., Montier, L., Morgante, G., Mortlock, D., Munshi, D., Murphy, J.A., Naselsky, P., Nati, F., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Novikov, D., Novikov, I., Osborne, S., Pajot, F., Paoletti, D., Pasian, F., Patanchon, G., Perdereau, O., Perotto, L., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Piffaretti, R., Plaszczynski, S., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., Poutanen, T., Pratt, G.W., Prunet, S., Puget, J.-L., Rachen, J.P., Rebolo, R., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Riller, T., Ristorcelli, I., Rocha, G., Roman, M., Rosset, C., Rossetti, M., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savini, G., Scott, D., Smoot, G.F., Starck, J.-L., Sudiwala, R., Sunyaev, R., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tuovinen, J., Valenziano, L., Van Tent, B., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., Welikala, N., Yvon, D., Zacchei, A., Zaroubi, S., Zonca, A., 2013, A&A, 550, 132 [\[ADS\]](#)

### Planck intermediate results. V. Pressure profiles of galaxy clusters from the Sunyaev-Zeldovich effect

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Atrio-Barandela, F., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoît, A., Bernard, J.-P., Bersanelli, M., Bhatia, R., Bikmaev, I., Böhringer, H., Bonaldi, A., Bond, J.R., Borgani, S., Borrill, J., Bouchet, F.R., Bourdin, H., Brown, M.L., Burenin, R., Burigana, C., Cabella, P., Cardoso, J.-F., Carvalho, P., Castex, G., Catalano, A., Cayón, L., Chamballu, A., Chiang, L.-Y., Chon, G., Christensen, P.R., Churazov, E., Clements, D.L., Colafrancesco, S., Colombi, S., Colombo, L.P.L., Comis, B., Coulais, A., Crill, B.P., Cuttaia, F., Da Silva, A., Dahle, H., Danese, L., Davis, R.J., de Bernardis, P., de Gasperis, G., de Zotti, G., Delabrouille, J., Démoclès, J., Désert, F.-X., Diego, J.M., Dolag, K., Dole, H., Donzelli, S., Doré, O., Dörl, U., Douspis, M., Dupac, X., Efstathiou, G., Enßlin, T.A., Eriksen, H.K., Finelli, F., Flores-Cacho, I., Forni, O., Fosalba, P., Frailis, M., Franceschi, E., Frommert, M., Galeotta, S., Ganga, K., Génova-Santos, R.T., Giard, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Hempel, A., Henrot-Versillé, S., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Hurier, G., Jaffe, T.R., Jaffe, A.H., Jagemann, T., Jones, W.C., Juvela, M., Keihänen, E., Khamitov, I., Kisner, T.S., **Kneissl, R.**, Knoche, J., Knox, L., Kunz, M., Kurki-Suonio, H., Lagache, G., Lähteenmäki, A., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Le Jeune, M., Leonardi, R., Liddle, A., Lilje, P.B., López-Cañiego, M., Luzzi, G., Macías-Pérez, J.F., Maino, D., Mandolesi, N., Maris, M., Marleau, F., Marshall, D.J., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Mei, S., Melchiorri, A., Melin, J.-B., Mendes, L., Mennella, A., Mitra, S., Miville-Deschênes, M.-A., Moneti, A., Montier, L., Morgante, G., Mortlock, D., Munshi, D., Murphy, J.A., Naselsky, P., Natoli, F., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Novikov, D., Novikov, I., Osborne, S., Pajot, F., Paoletti, D., Pasian, F., Patanchon, G., Perdereau, O., Perotto, L., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Piffaretti, R., Plaszczynski, S., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., Poutanen, T., Pratt, G.W., Prunet, S., Puget, J.-L., Rachen, J.P., Reach, W.T., Rebolo, R., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Riller, T., Ristorcelli, I., Rocha, G., Roman, M., Rosset, C., Rossetti, M., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savini, G., Scott, D., Smoot, G.F., Starck, J.-L., Sudiwala, R., Sunyaev, R., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tuovinen, J., Valenziano, L., Van Tent, B., Varis, J., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., Welikala, N., White, S.D.M., White, M., Yvon, D., Zacchei, A., Zonca, A., 2013, *A&A*, 550, 131 [\[ADS\]](#)

### Planck intermediate results. II. Comparison of Sunyaev-Zeldovich measurements from Planck and from the Arcminute Microkelvin Imager for 11 galaxy clusters

Planck Collaboration, P.C., AMI Collaboration, A.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Battaner, E., Battye, R., Benabed, K., Benoît, A., Bernard, J.-P., Bersanelli, M., Bhatia, R., Bikmaev, I., Böhringer, H., Bonaldi, A., Bond, J.R., Borrill, J., Bouchet, F.R., Bourdin, H., Brown, M.L., Bucher, M., Burenin, R., Burigana, C., Butler, R.C., Cabella, P., Carvalho, P., Catalano, A., Cayón, L., Chamballu, A., Chary, R.R., Chiang, L.-Y., Chon, G., Clements, D.L., Colafrancesco, S., Colombi, S., Coulais, A., Crill, B.P., Cuttaia, F., Da Silva, A., Dahle, H., Davies, R.D., Davis, R.J., de Bernardis, P., de Gasperis, G., de Rosa, A., de Zotti, G., Delabrouille, J., Démoclès, J., Dickinson, C., Diego, J.M., Dolag, K., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Efstathiou, G., Enßlin, T.A., Eriksen, H.K., Feroz, F., Finelli, F., Flores-Cacho, I., Forni, O., Fosalba, P., Frailis, M., Franceschi, E., Fromenteau, S., Galeotta, S., Ganga, K., Génova-Santos, R.T., Giard, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Grainge, K.J.B., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Henrot-Versillé, S., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Hufferberger, K.M., Hurier, G., Hurley-Walker, N., Jagemann, T., Juvela, M., Keihänen, E., Khamitov, I., **Kneissl, R.**, Knoche, J., Kunz, M., Kurki-Suonio, H., Lagache, G., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Le Jeune, M., Leach, S., Leonardi, R., Liddle, A., Lilje, P.B., Linden-Vørnle, M., López-Cañiego, M., Luzzi, G., Macías-Pérez, J.F., MacTavish, C.J., Maino, D., Mandolesi, N., Maris, M., Marleau, F., Marshall, D.J., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Matthai, F., Mazzotta, P., Meinhold, P.R., Melchiorri, A., Melin, J.-B., Mendes, L., Mennella, A., Mitra, S., Miville-Deschênes, M.-A., Montier, L., Morgante, G., Munshi, D., Naselsky, P., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Novikov, D., Novikov, I., Olamaie, M., Osborne, S., Pajot, F., Paoletti, D., Pasian, F., Patanchon, G., Pearson, T.J., Perdereau, O., Perrott, Y.C., Perrotta, F., Piacentini, F., Pierpaoli, E., Platania, P., Pointecouteau, E., Polenta, G., Popa, L., Poutanen, T., Pratt, G.W., Puget, J.-L., Rachen, J.P., Rebolo, R., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Ristorcelli, I., Rocha, G., Rodríguez-González, C., Rosset, C., Rossetti, M., Rubiño-Martín, J.A., Rumsey, C., Rusholme, B., Sandri, M., Saunders, R.D.E., Savini, G., Schammel, M.P., Scott, D., Shimmwell, T.W., Smoot, G.F., Starck, J.-L., Stivoli, F., Stolyarov, V., Sudiwala, R., Sunyaev, R., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Valenziano, L., Van Tent, B., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., Yvon, D., Zacchei, A., Zonca, A., 2013, *A&A*, 550, 128 [\[ADS\]](#)

### Planck intermediate results. III. The relation between galaxy cluster mass and Sunyaev-Zeldovich signal

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Atrio-Barandela, F., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Battye, R., Benabed, K., Bernard, J.-P., Bersanelli, M., Bhatia, R., Bikmaev, I., Böhringer, H., Bonaldi, A., Bond, J.R., Borgani, S., Borrill, J., Bouchet, F.R., Bourdin, H., Brown, M.L., Bucher, M., Burenin, R., Burigana, C., Butler, R.C., Cabella, P., Cardoso, J.-F., Carvalho, P., Chamballu, A., Chiang, L.-Y., Chon, G., Clements, D.L., Colafrancesco, S., Coulais, A., Cuttaia,

F., Da Silva, A., Dahle, H., Davis, R.J., de Bernardis, P., de Gasperis, G., Delabrouille, J., Démoclès, J., Désert, F.-X., Diego, J.M., Dolag, K., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Efstathiou, G., EnBlin, T.A., Eriksen, H.K., Finelli, F., Flores-Cacho, I., Forni, O., Frailis, M., Franceschi, E., Frommert, M., Galeotta, S., Ganga, K., Génova-Santos, R.T., Giard, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Huppenberger, K.M., Hurier, G., Jagemann, T., Juvela, M., Keihänen, E., Khamitov, I., **Kneissl, R.**, Knoche, J., Kunz, M., Kurki-Suonio, H., Lagache, G., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Le Jeune, M., Leach, S., Leonardi, R., Liddle, A., Lilje, P.B., Linden-Vørnle, M., López-Cañiego, M., Luzzi, G., Macías-Pérez, J.F., Maino, D., Mandolesi, N., Maris, M., Marleau, F., Marshall, D.J., Martínez-González, E., Masi, S., Matarrese, S., Matthai, F., Mazzotta, P., Meinhold, P.R., Melchiorri, A., Melin, J.-B., Mendes, L., Mitra, S., Miville-Deschênes, M.-A., Montier, L., Morgante, G., Munshi, D., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Osborne, S., Pajot, F., Paoletti, D., Partridge, B., Pearson, T.J., Perdereau, O., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Piffaretti, R., Platania, P., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., Poutanen, T., Pratt, G.W., Prunet, S., Puget, J.-L., Rachen, J.P., Rebolo, R., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Ristorcelli, I., Rocha, G., Rosset, C., Rossetti, M., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savini, G., Scott, D., Starck, J.-L., Stivoli, F., Stolyarov, V., Sudiwala, R., Sunyaev, R., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Valenziano, L., Van Tent, B., Vielva, P., Villa, F., Vittorio, N., Wandelt, B.D., Weller, J., White, S.D.M., Yvon, D., Zacchei, A., Zonca, A., 2013, *A&A*, 550, 129 [[ADS](#)]

**Planck intermediate results. VII. Statistical properties of infrared and radio extragalactic sources from the Planck Early Release Compact Source Catalogue at frequencies between 100 and 857 GHz**

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Argüeso, F., Arnaud, M., Ashdown, M., Atrio-Barandela, F., Aumont, J., Baccigalupi, C., Balbi, A., Banday, A.J., Barreiro, R.B., Battaner, E., Benabed, K., Benoît, A., Bernard, J.-P., Bersanelli, M., Bethermin, M., Bhatia, R., Bonaldi, A., Bond, J.R., Borrill, J., Bouchet, F.R., Burigana, C., Cabella, P., Cardoso, J.-F., Catalano, A., Cayón, L., Chamballu, A., Chary, R.R., Chen, X., Chiang, L.-Y., Christensen, P.R., Clements, D.L., Colafrancesco, S., Colombi, S., Colombo, L.P.L., Coulais, A., Crill, B.P., Cuttaia, F., Danese, L., Davis, R.J., de Bernardis, P., de Gasperis, G., de Zotti, G., Delabrouille, J., Dickinson, C., Diego, J.M., Dole, H., Donzelli, S., Doré, O., Dörl, U., Douspis, M., Dupac, X., Efstathiou, G., EnBlin, T.A., Eriksen, H.K., Finelli, F., Forni, O., Fosalba, P., Frailis, M., Franceschi, E., Galeotta, S., Ganga, K., Giard, M., Giardino, G., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D., Henrot-Versillé, S., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Hobson, M., Holmes, W.A., Jaffe, T.R., Jaffe, A.H., Jagemann, T., Jones, W.C., Juvela, M., Keihänen, E., Kisner, T.S., **Kneissl, R.**, Knoche, J., Knox, L., Kunz, M., Kurinsky, N., Kurki-Suonio, H., Lagache, G., Lähteenmäki, A., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Leonardi, R., Lilje, P.B., López-Cañiego, M., Macías-Pérez, J.F., Maino, D., Mandolesi, N., Maris, M., Marshall, D.J., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Melchiorri, A., Mendes, L., Mennella, A., Mitra, S., Miville-Deschênes, M.-A., Moneti, A., Montier, L., Morgante, G., Mortlock, D., Munshi, D., Murphy, J.A., Naselsky, P., Nati, F., Natoli, P., Nørgaard-Nielsen, H.U., Noviello, F., Novikov, D., Novikov, I., Osborne, S., Pajot, F., Paladini, R., Paoletti, D., Partridge, B., Pasian, F., Patanchon, G., Perdereau, O., Perotto, L., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Plaszczynski, S., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., Poutanen, T., Pratt, G.W., Prunet, S., Puget, J.-L., Rachen, J.P., Reach, W.T., Rebolo, R., Reinecke, M., Renault, C., Ricciardi, S., Riller, T., Ristorcelli, I., Rocha, G., Rosset, C., Rowan-Robinson, M., Rubiño-Martín, J.A., Rusholme, B., Sajina, A., Sandri, M., Savini, G., Scott, D., Smoot, G.F., Starck, J.-L., Sudiwala, R., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tucci, M., Türler, M., Valenziano, L., Van Tent, B., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., White, M., Yvon, D., Zacchei, A., Zonca, A., 2013, *A&A*, 550, 133 [[ADS](#)]

**CARMA Interferometric Observations of 2MASS J04427+2512: The First Spatially Resolved Observations of Thermal Emission of a Brown Dwarf Disk**

Ricci, L., Isella, A., Carpenter, J.M., & **Testi, L.**, 2013, *ApJ*, 764, L27 [[ADS](#)]

**Chandra and optical/IR observations of CXO J1415.2+3610, a massive, newly discovered galaxy cluster at  $z \sim 1.5$**

Tozzi, P., Santos, J.S., Nonino, M., **Rosati, P.**, Borgani, S., Sartoris, B., Altieri, B., & Sanchez-Portal, M., 2013, *A&A*, 551, 45 [[ADS](#)]

**Piecing together the puzzle of NGC 5253: abundances, kinematics and WR stars\***

**Westmoquette, M.S.**, James, B., Monreal-Ibero, A., & **Walsh, J.R.**, 2013, *A&A*, 550, 88 [[ADS](#)]

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di Serego Alighieri, S., Bianchi, S., Pappalardo, C., Zibetti, S., Auld, R., Baes, M., Bendo, G., Corbelli, E., Davies, J.I., **Davis, T.**, De Looze, I., Fritz, J., Gavazzi, G., Giovanardi, C., Grossi, M., Hunt, L.K., Magrini, L., Pierini, D., & Xilouris, E.M., 2013, *A&A*, 552, 8 [[ADS](#)]

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