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[Molecular Gas Heating Mechanisms, and Star Formation Feedback in Merger/Starbursts: NGC 6240 and Arp 193 as Case Studies](#)

Papadopoulos, P.P., Zhang, Z.-Y., Xilouris, E.M., Weiss, A., van der Werf, P., Israel, F.P., Greve, T.R., Isaak, K.G., & Gao, Y., 2014, ApJ, 788, 153 [[ADS](#)]
Instruments: FLASH, SHFI

Galaxies and Galactic Nuclei

[The VVV Templates Project Towards an automated classification of VVV light-curves. I. Building a database of stellar variability in the near-infrared](#)

Angeloni, R., Contreras Ramos, R., Catelan, M., Dékány, I., Gran, F., Alonso-García, J., Hempel, M., Navarrete, C., Andrews, H., Aparicio, A., **Beamín, J.C.**, Berger, C., Borissova, J., Contreras Peña, C., Cunial, A., de Grijs, R., Espinoza, N., Eyheramendy, S., Ferreira Lopes, C.E., Fiaschi, M., Hajdu, G., Han, J., Helminiak, K.G., Hempel, A., Hidalgo, S.L., Ita, Y., Jeon, Y.-B., Jordán, A., Kwon, J., Lee, J.T., Martín, E.L., Masetti, N., Matsunaga, N., Milone, A.P., Minniti, D., Morelli, L., Murgas, F., Nagayama, T., Navarro, C., Ochner, P., Pérez, P., Pichara, K., Rojas-Arriagada, A., Roquette, J., Saito, R.K., Siviero, A., Sohn, J., Sung, H.-I., Tamura, M., Tata, R., Tomasella, L., Townsend, B., Whitelock, P., 2014, A&A, 567, 100 [[ADS](#)]
Instruments: VIRCAM

[Near-infrared spectroscopy of 20 new Chandra sources in the Norma arm](#)

Rahoui, F., Tomsick, J.A., Fornasini, F.M., Bodaghee, A., & Bauer, F.E., 2014, A&A, 568, 54 [[ADS](#)]
Instruments: VIRCAM

Stellar Evolution

[Lithium Abundances in Globular Cluster Giants: NGC 6218 \(M12\) and NGC 5904 \(M5\)](#)

D'Orazi, V., Angelou, G.C., Gratton, R.G., Lattanzio, J.C., Bragaglia, A., Carretta, E., Lucatello, S., & **Momany, Y.**, 2014, ApJ, 791, 39 [[ADS](#)]
Instruments: FLAMES, GIRAFFE, UVES

[Multi-epoch high-spectral-resolution observations of neutral sodium in 14 Type Ia supernovae](#)

Sternberg, A., Gal-Yam, A., Simon, J.D., **Patat, F.**, Hillebrandt, W., Phillips, M.M., Foley, R.J., Thompson, I., Morrell, N., Chomiuk, L., Soderberg, A.M., Yong, D., Kraus, A.L., Herczeg, G.J., Hsiao, E.Y., Raskutti, S., Cohen, J.G., Mazzali, P.A., & Nomoto, K., 2014, MNRAS, 443, 1849 [[ADS](#)]
Instruments: UVES

Miscellaneous

[A CO Survey in Planet-forming Disks: Characterizing the Gas Content in the Epoch of Planet Formation](#)

Hales, A.S., **De Gregorio-Monsalvo, I.**, Montesinos, B., Casassus, S., **Dent, W.F.R.**, Dougados, C., Eiroa, C., Hughes, A.M., Garay, G., Mardones, D., Ménard, F., Palau, A., Pérez, S., **Phillips, N.**, Torrelles, J.M., & Wilner, D., 2014, AJ, 148, 47 [[ADS](#)]
Instruments: LABOCA

[Brown Dwarf Disks with ALMA](#)

Ricci, L., **Testi, L.**, Natta, A., Scholz, A., **de Gregorio-Monsalvo, I.**, & Isella, A., 2014, ApJ, 791, 20 [[ADS](#)]
Instruments: ALMA_Bands

[ALMA Hints at the Presence of two Companions in the Disk around HD 100546](#)

Walsh, C., Juhász, A., Pinilla, P., Harsono, D., Mathews, G.S., **Dent, W.R.F.**, Hogerheijde, M.R., Birnstiel, T.,

Meeus, G., Nomura, H., Aikawa, Y., Millar, T.J., & Sandell, G., 2014, ApJ, 791, L6 [[ADS](#)]
Instruments: ALMA_Bands

Papers without ESO data

A trio of gamma-ray burst supernovae: GRB 120729A, GRB 130215A/SN 2013ez, and GRB 130831A/SN 2013fu

Cano, Z., de Ugarte Postigo, A., Pozanenko, A., Butler, N., Thöne, C.C., Guidorzi, C., **Krühler, T.**, Gorosabel, J., Jakobsson, P., Leloudas, G., Malesani, D., Hjorth, J., Melandri, A., Mundell, C., Wiersema, K., D'Avanzo, P., Schulze, S., Gomboc, A., Johansson, A., Zheng, W., Kann, D.A., Knust, F., Varela, K., Akerlof, C.W., Bloom, J., Burkhonov, O., Cooke, E., de Diego, J.A., Dhungana, G., Farina, C., Ferrante, F.V., Flewelling, H.A., Fox, O.D., Fynbo, J., Gehrels, N., Georgiev, L., González, J.J., Greiner, J., Güver, T., Hartoog, O., Hatch, N., Jelinek, M., Kehoe, R., Klose, S., Klunko, E., Kopač, D., Kutyrev, A., Krugly, Y., Lee, W.H., Levan, A., Linkov, V., Matkin, A., Minikulov, N., Molotov, I., Prochaska, J.X., Richer, M.G., Román-Zúñiga, C.G., Rummyantsev, V., Sánchez-Ramírez, R., Steele, I., Tanvir, N.R., Volnova, A., Watson, A.M., Xu, D., & Yuan, F., 2014, A&A, 568, 19 [[ADS](#)]

A figure of merit for black hole mass measurements with molecular gas **Davis, T.A.**, 2014, MNRAS, 443, 911 [[ADS](#)]

Insights on the Stellar Mass-Metallicity Relation from the CALIFA Survey

González Delgado, R.M., Cid Fernandes, R., García-Benito, R., Pérez, E., de Amorim, A.L., Cortijo-Ferrero, C., Lacerda, E.A.D., López Fernández, R., Sánchez, S.F., Vale Asari, N., Alves, J., Bland-Hawthorn, J., Galbany, L., Gallazzi, A., **Husemann, B.**, Bekeraite, S., Jungwiert, B., López-Sánchez, A.R., de Lorenzo-Cáceres, A., Marino, R.A., Mast, D., Mollá, M., del Olmo, A., Sánchez-Blázquez, P., van de Ven, G., Vilchez, J.M., Walcher, C.J., Wisotzki, L., Ziegler, B., & collaboration920, C., 2014, ApJ, 791, L16 [[ADS](#)]

Extreme Conditions in a Close Analog to the Young Solar System: Herschel Observations of epsilon Eridani

Greaves, J.S., Sibthorpe, B., Acke, B., Pantin, E.E., Vandenbussche, B., Olofsson, G., Dominik, C., Barlow, M.J., Bendo, G.J., Blommaert, J.A.D.L., Brandeker, A., de Vries, B.L., **Dent, W.R.F.**, Di Francesco, J., Fridlund, M., Gear, W.K., Harvey, P.M., Hogerheijde, M.R., Holland, W.S., **Ivison, R.J.**, Liseau, R., Matthews, B.C., Pilbratt, G.L., Walker, H.J., & Waelkens, C., 2014, ApJ, 791, L11 [[ADS](#)]

The origin of the atomic and molecular gas contents of early-type galaxies - I. A new test of galaxy formation physics

Lagos, C.d.P., **Davis, T.A.**, Lacey, C.G., **Zwaan, M.A.**, Baugh, C.M., **Gonzalez-Perez, V.**, & Padilla, N.D., 2014, MNRAS, 443, 1002 [[ADS](#)]

Planck intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Alves, M.I.R., Arnaud, M., Ashdown, M., Atrio-Barandela, F., Aumont, J., Baccigalupi, C., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoit-Lévy, A., Bernard, J.-P., Bersanelli, M., Bielewicz, P., Bobin, J., Bonaldi, A., Bond, J.R., Borrill, J., Bouchet, F.R., Boulanger, F., Bucher, M., Burigana, C., Butler, R.C., Cardoso, J.-F., Catalano, A., Chamballu, A., Chiang, H.C., Chiang, L.-Y., Christensen, P.R., Clements, D.L., Colombi, S., Colombo, L.P.L., Couchot, F., Crill, B.P., Curto, A., Cuttaia, F., Danese, L., Davies, R.D., Davis, R.J., de Bernardis, P., de Rosa, A., de Zotti, G., Delabrouille, J., Dickinson, C., Diego, J.M., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Enßlin, T.A., Eriksen, H.K., Falgarone, E., Finelli, F., Forni, O., Frailis, M., Franceschi, E., Galeotta, S., Ganga, K., Ghosh, T., Giard, M., Giardino, G., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D.L., Hernández-Monteagudo, C., Herranz, D., Hildebrandt, S.R., Hivon, E., Holmes, W.A., Hornstrup, A., Hovest, W., Jaffe, A.H., Jones, W.C., Juvela, M., Keihänen, E., Keskitalo, R., Kisner, T.S., **Kneissl, R.**, Knoche, J., Kunz, M., Kurki-Suonio, H., Lagache, G., Lähteenmäki, A., Lamarre, J.-M., Lasenby, A., Laureijs, R.J., Lawrence, C.R., Leonardi, R., Levrier, F., Liguori, M., Lilje, P.B., Linden-Vørnle, M., López-Caniego, M., Macías-Pérez, J.F., Maffei, B., Maino, D., Mandolesi, N., Maris, M., Marshall, D.J., Martin, P.G., Martínez-González, E., Masi, S., Matarrese, S., Mazzotta, P., Melchiorri, A., Mendes, L., Mennella, A., Migliaccio, M., 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., Oxborrow, C.A., Pagano, L., Pajot, F., Paladini, R., Paoletti, D., Pasian, F., Patanchon, G., Peel, M., Perdereau, O., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Pietrobon, D., Plaszczyński, S., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., 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., Rosset, C., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savini, G., Scott, D., Spencer, L.D., Starck, J.-L., Stolyarov, V., Sureau, F., Sutton, D., Suur-Uuski, A.-S., Sygnet, J.-F., Tauber, J.A., Tavagnacco, D., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tucci, M., Valenziano, L., Valiviita, J., Van Tent, B., Verstraete,

L., Vielva, P., Villa, F., Vittorio, N., Wade, L.A., Wandelt, B.D., Yvon, D., Zacchei, A., Zonca, A., 2014, A&A, 564, 45 [[ADS](#)]

Planck intermediate results. XVII. Emission of dust in the diffuse interstellar medium from the far-infrared to microwave frequencies

Planck Collaboration, P.C., Abergel, A., Ade, P.A.R., Aghanim, N., Alves, M.I.R., Aniano, G., Arnaud, M., Ashdown, M., Aumont, J., Baccigalupi, C., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoit-Lévy, A., Bernard, J.-P., Bersanelli, M., Bielewicz, P., Bobin, J., Bonaldi, A., Bond, J.R., Bouchet, F.R., Boulanger, F., Burigana, C., Cardoso, J.-F., Catalano, A., Chamballu, A., Chiang, H.C., Christensen, P.R., Clements, D.L., Colombi, S., Colombo, L.P.L., Couchot, F., Crill, B.P., Cuttaia, F., Danese, L., Davis, R.J., de Bernardis, P., de Rosa, A., de Zotti, G., Delabrouille, J., Désert, F.-X., Dickinson, C., Diego, J.M., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Efstathiou, G., Enßlin, T.A., Eriksen, H.K., Falgarone, E., Finelli, F., Forni, O., Frailis, M., Franceschi, E., Galeotta, S., Ganga, K., Ghosh, T., Giard, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Guillet, V., Hansen, F.K., Harrison, D., Helou, G., 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., Jaffe, A.H., Jaffe, T.R., Joncas, G., Jones, A., Jones, W.C., Juvela, M., Kalberla, P., Keihänen, E., Kerp, J., Keskitalo, R., Kisner, T.S., **Kneissl, R.**, Knoche, J., Kunz, M., Kurki-Suonio, H., Lagache, G., Lähteenmäki, A., Lamarre, J.-M., Lasenby, A., Lawrence, C.R., Leonardi, R., Levrier, F., Liguori, M., Lilje, P.B., Linden-Vørnle, M., López-Caniego, M., Lubin, P.M., Macías-Pérez, J.F., Maffei, B., Maino, D., Mandolesi, N., Maris, M., Marshall, D.J., Martin, P.G., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Melchiorri, A., Mendes, L., Mennella, A., Migliaccio, M., 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., Noviello, F., Novikov, D., Novikov, I., Oxborrow, C.A., Pagano, L., Pajot, F., Paoletti, D., Pasian, F., Perdereau, O., Perotto, L., Perrotta, F., Piacentini, F., Piat, M., Pierpaoli, E., Pietrobon, D., Plaszczynski, S., Pointecouteau, E., Polenta, G., Ponthieu, N., Popa, L., 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., Rosset, C., Roudier, G., Rusholme, B., Sandri, M., Savini, G., Spencer, L.D., Starck, J.-L., Sureau, F., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tucci, M., Umana, G., Valenziano, L., Valiviita, J., Van Tent, B., Verstraete, L., Vielva, P., Villa, F., Wade, L.A., Wandelt, B.D., Winkel, B., Yvon, D., Zacchei, A., Zonca, A., 2014, A&A, 566, 55 [[ADS](#)]

Planck intermediate results. XVI. Profile likelihoods for cosmological parameters

Planck Collaboration, P.C., Ade, P.A.R., Aghanim, N., Arnaud, M., Ashdown, M., Aumont, J., Baccigalupi, C., Banday, A.J., Barreiro, R.B., Bartlett, J.G., Battaner, E., Benabed, K., Benoit-Lévy, A., Bernard, J.-P., Bersanelli, M., Bielewicz, P., Bobin, J., Bonaldi, A., Bond, J.R., Bouchet, F.R., Burigana, C., Cardoso, J.-F., Catalano, A., Chamballu, A., Chiang, H.C., Christensen, P.R., Clements, D.L., Colombi, S., Colombo, L.P.L., Couchot, F., Cuttaia, F., Danese, L., Davies, R.D., Davis, R.J., de Bernardis, P., de Rosa, A., de Zotti, G., Delabrouille, J., Dickinson, C., Diego, J.M., Dole, H., Donzelli, S., Doré, O., Douspis, M., Dupac, X., Enßlin, T.A., Eriksen, H.K., Finelli, F., Forni, O., Frailis, M., Franceschi, E., Galeotta, S., Galli, S., Ganga, K., Giard, M., Giraud-Héraud, Y., González-Nuevo, J., Górski, K.M., Gregorio, A., Gruppuso, A., Hansen, F.K., Harrison, D.L., 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., Jaffe, A.H., Jaffe, T.R., Jones, W.C., Juvela, M., Keihänen, E., Keskitalo, R., 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., Leonardi, R., Liddle, A., Liguori, M., Lilje, P.B., Linden-Vørnle, M., López-Caniego, M., Lubin, P.M., Macías-Pérez, J.F., Maffei, B., Maino, D., Mandolesi, N., Maris, M., Martin, P.G., Martínez-González, E., Masi, S., Massardi, M., Matarrese, S., Mazzotta, P., Melchiorri, A., Mendes, L., Mennella, A., Migliaccio, M., Mitra, S., Miville-Deschênes, M.-A., Moneti, A., Montier, L., Morgante, G., Munshi, D., Murphy, J.A., Naselsky, P., Nati, F., Natoli, P., Noviello, F., Novikov, D., Novikov, I., Oxborrow, C.A., Pagano, L., Pajot, F., Paoletti, D., Pasian, F., Perdereau, O., Perotto, L., Perrotta, F., Pettorino, V., Piacentini, F., Piat, M., Pierpaoli, E., Pietrobon, D., Plaszczynski, S., Pointecouteau, E., Polenta, G., Popa, L., Pratt, G.W., Puget, J.-L., Rachen, J.P., Rebolo, R., Reinecke, M., Remazeilles, M., Renault, C., Ricciardi, S., Riller, T., Ristorcelli, I., Rocha, G., Rosset, C., Roudier, G., Rouillé d'Orfeuill, B., Rubiño-Martín, J.A., Rusholme, B., Sandri, M., Savelainen, M., Savini, G., Spencer, L.D., Spinelli, M., Starck, J.-L., Sureau, F., Sutton, D., Suur-Uski, A.-S., Sygnet, J.-F., Tauber, J.A., Terenzi, L., Toffolatti, L., Tomasi, M., Tristram, M., Tucci, M., Umana, G., Valenziano, L., Valiviita, J., Van Tent, B., Vielva, P., Villa, F., Wade, L.A., Wandelt, B.D., White, M., Yvon, D., Zacchei, A., Zonca, A., 2014, A&A, 566, 54 [[ADS](#)]

Tracing the Outer Halo in a Giant Elliptical to 25 R eff

Rejkuba, M., Harris, W.E., Greggio, L., Harris, G.L.H., Jerjen, H., & **Gonzalez, O.A.**, 2014, ApJ, 791, L2 [[ADS](#)]

Collisional modelling of the debris disc around HIP 17439

Schüppler, C., Löhne, T., Krivov, A.V., **Ertel, S.**, Marshall, J.P., & Eiroa, C., 2014, A&A, 567, 127 [[ADS](#)]

The Massive and Distant Clusters of WISE Survey. II. Initial Spectroscopic Confirmation of $z \sim 1$ Galaxy Clusters Selected from 10,000 deg²

Stanford, S.A., Gonzalez, A.H., Brodwin, M., Gettings, D.P., Eisenhardt, P.R.M., Stern, D., & **Wylezalek, D.**, 2014, ApJS, 213, 25 [[ADS](#)]

A 30 kpc Chain of "Beads on a String" Star Formation between Two Merging Early Type Galaxies in the Core of a Strong-lensing Galaxy Cluster

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The Mice at play in the CALIFA survey. A case study of a gas-rich major merger between first passage and coalescence

Wild, V., Rosales-Ortega, F., Falcón-Barroso, J., García-Benito, R., Gallazzi, A., González Delgado, R.M., Bekeraité, S., Pasquali, A., Johansson, P.H., García Lorenzo, B., van de Ven, G., Pawlik, M., Pérez, E., Monreal-Ibero, A., Lyubenova, M., Cid Fernandes, R., Méndez-Abreu, J., Barrera-Ballesteros, J., Kehrig, C., Iglesias-Páramo, J., Bomans, D.J., Márquez, I., Johnson, B.D., Kennicutt, R.C., **Husemann, B.**, Mast, D., Sánchez, S.F., Walcher, C.J., Alves, J., Aguerri, A.L., Alonso Herrero, A., Bland-Hawthorn, J., Catalán-Torrecilla, C., Florido, E., Gomes, J.M., Jahnke, K., López-Sánchez, Á.R., de Lorenzo-Cáceres, A., Marino, R.A., Marmol-Queraltó, E., Olden, P., del Olmo, A., Papaderos, P., Quirrenbach, A., Vílchez, J.M., & Ziegler, B., 2014, A&A, 567, 132 [[ADS](#)]

Optical-faint, Far-infrared-bright Herschel Sources in the CANDELS Fields: Ultra-luminous Infrared Galaxies at $z > 1$ and the Effect of Source Blending

Yan, H., Stefanon, M., Ma, Z., Willner, S.P., Somerville, R., Ashby, M.L.N., Davé, R., Pérez-González, P.G., Cava, A., **Wiklind, T.**, Kocevski, D., Rafelski, M., Kartaltepe, J., Cooray, A., Koekemoer, A.M., & Grogin, N.A., 2014, ApJS, 213, 2 [[ADS](#)]

MOA-2013-BLG-220Lb: Massive Planetary Companion to Galactic-disk Host

Yee, J.C., Han, C., Gould, A., Skowron, J., Bond, I.A., Udalski, A., Houndertmark, M., Monard, L.A.G., Porritt, I., Nelson, P., Bozza, V., Albrow, M.D., Choi, J.-Y., Christie, G.W., DePoy, D.L., Gaudi, B.S., Hwang, K.-H., Jung, Y.K., Lee, C.-U., McCormick, J., Natusch, T., Ngan, H., Park, H., Pogge, R.W., Shin, I.-G., Tan, T.-G., The μ FUN Collaboration, T. μ C., **Figuera Jaimes, R.**, 2014, ApJ, 790, 14 [[ADS](#)]

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