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Cosmology

[Herschel-ATLAS: VISTA VIKING near-infrared counterparts in the Phase 1 GAMA 9-h data](#)

Fleuren, S., Sutherland, W., Dunne, L., Smith, D.J.B., Maddox, S.J., González-Nuevo, J., Findlay, J., Auld, R., Baes, M., Bond, N.A., Bonfield, D.G., Bourne, N., Cooray, A., Buttiglione, S., Cava, A., Dariush, A., De Zotti, G., Driver, S.P., Dye, S., Eales, S., Fritz, J., Gunawardhana, M.L.P., Hopwood, R., Ibar, E., Ivison, R.J., Jarvis, M.J., Kelvin, L., Lapi, A., **Liske, J.**, Michałowski, M.J., Negrello, M., Pascale, E., Pohlen, M., Prescott, M., Rigby, E.E., Robotham, A., Scott, D., Temi, P., Thompson, M.A., Valiante, E., & Werf, P.v.d., 2012, MNRAS, 423, 2407 [[ADS](#)]

Instruments: VIRCAM

[Extended X-ray emission from non-thermal sources in the COSMOS field: a detailed study of a large radio galaxy at \$z = 1.168\$](#)

Jelić, V., **Smolčić, V.**, Finoguenov, A., Tanaka, M., Civano, F., Schinnerer, E., Cappelluti, N., & Koekemoer, A., 2012, MNRAS, 423, 2753 [[ADS](#)]

Instruments: VIMOS

[The zCOSMOS 20k Group Catalog](#)

Knobel, C., Lilly, S.J., Iovino, A., Kovač, K., Bschorr, T.J., Presotto, V., Oesch, P.A., Kampczyk, P., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fevre, O., **Mainieri, V.**, Renzini, A., Scodreggio, M., Zamorani, G., Bardelli, S., Bolzonella, M., Bongiorno, A., Caputi, K., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Pello, R., Peng, Y., Perez Montero, E., Silverman, J., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Zucca, E., Barnes, L., Bordoloi, R., Cappi, A., Cimatti, A., Coppa, G., Koekemoer, A.M., López-Sanjuan, C., McCracken, H.J., Moresco, M., Nair, P., Pozzetti, L., Welikala, N., 2012, ApJ, 753, 121 [[ADS](#)]

Instruments: VIMOS

[How Do Star-forming Galaxies at \$z > 3\$ Assemble Their Masses?](#)

Lee, K.-S., Ferguson, H.C., **Wiklind, T.**, Dahlen, T., Dickinson, M.E., Giavalisco, M., Grogin, N., Papovich, C., Messias, H., & Guo, Y., Lin, L., 2012, ApJ, 752, 66 [[ADS](#)]

Instruments: ISAAC, ISAAC, ISAAC, ISAAC, VIMOS

[The XMM Cluster Survey: optical analysis methodology and the first data release](#)

Mehrtens, N., Romer, A.K., Hilton, M., Lloyd-Davies, E.J., Miller, C.J., Stanford, S.A., Hosmer, M., Hoyle, B., Collins, C.A., Liddle, A.R., Viana, P.T.P., Nichol, R.C., Stott, J.P., Dubois, E.N., Kay, S.T., Sahlén, M., Young, O., Short, C.J., Christodoulou, L., Watson, W.A., Davidson, M., Harrison, C.D., Baruah, L., Smith, M., Burke, C., Mayers, J.A., Deadman, P.-J., Rooney, P.J., Edmondson, E.M., **West, M.**, Campbell, H.C., Edge, A.C., Mann, R.G., Sabirli, K., Wake, D., Benoist, C., da Costa, L., Maia, M.A.G., Ogando, R., 2012, MNRAS, 423, 1024 [[ADS](#)]

Instruments: EMMI, EMMI, EMMI, EFOSC2_NTT

[Deuterium at high redshift. Primordial abundance in the zabs = 2.621 damped Ly- \$\alpha\$ system towards CTQ 247](#)

Noterdaeme, P., López, S., Dumont, V., **Ledoux, C.**, Molaro, P., & Petitjean, P., 2012, A&A, 542, L33 [[ADS](#)]

Instruments: UVES

Galaxies and Galactic Nuclei

[The Carina Project. V. The Impact of NLTE Effects on the Iron Content](#)

Fabrizio, M., Merle, T., Thévenin, F., Nonino, M., Bono, G., Stetson, P.B., Ferraro, I., Iannicola, G., Monelli, M., Walker, A.R., Buonanno, R., Caputo, F., Corsi, C.E., Dall'Ora, M., Degl'Innocenti, S., François, P., **Gilmozzi, R.**, Marconi, M., Pietrinferni, A., Prada Moroni, P.G., **Primas, F.**, Pulone, L., Ripepi, V., & **Romaniello, M.**, 2012, PASP, 124, 519 [[ADS](#)]

Instruments: UVES, UVES, FLAMES-UV, FLAMES-UV, FLAMES-UV, FLAMES-UV, FLAMES-GIRAFFE, FLAMES-GIRAFFE, FLAMES-GIRAFFE, FLAMES-GIRAFFE

[Reddening and metallicity maps of the Milky Way bulge from VVV and 2MASS. II. The complete high resolution extinction map and implications for Galactic bulge studies](#)

Gonzalez, O.A., Rejkuba, M., Zoccali, M., Valenti, E., Minniti, D., Schultheis, M., Tobar, R., & Chen, B., 2012, *A&A*, 543, 13 [[ADS](#)]

Instruments: VIRCAM

[Star formation in grand-design, spiral galaxies. Young, massive clusters in the near-infrared](#)

Grosbøl, P., & Dottori, H., 2012, *A&A*, 542, 39 [[ADS](#)]

Instruments: HAWK-I

[Integrated J- and H-band spectra of globular clusters in the LMC: implications for stellar population models and galaxy age dating](#)

Lyubenova, M., **Kuntschner, H., Rejkuba, M.**, Silva, D.R., **Kissler-Patig, M.**, & **Tacconi-Garman, L.E.**, 2012, *A&A*, 543, 75 [[ADS](#)]

Instruments: SINFONI

[Structure and dynamics of galaxies with a low surface-brightness disc - II. Stellar populations of bulges](#)

Morelli, L., Corsini, E.M., Pizzella, A., Dalla Bontà, E., **Coccatto, L.**, Méndez-Abreu, J., & Cesetti, M., 2012, *MNRAS*, 423, 962 [[ADS](#)]

Instruments: FORS2, FORS2

[Spatially resolved observations of warm ionized gas and feedback in local ULIRGs](#)

Westmoquette, M.S., Clements, D.L., Bendo, G.J., & Khan, S.A., 2012, *MNRAS*, 424, 416 [[ADS](#)]

Instruments: VIMOS, VIMOS

Interstellar Medium, Star Formation and Planetary Systems

[The dust properties of bubble H II regions as seen by Herschel](#)

Anderson, L.D., Zavagno, A., Deharveng, L., Abergel, A., Motte, F., André, P., Bernard, J.-P., Bontemps, S., Hennemann, M., Hill, T., Rodón, J.A., Roussel, H., Russeil, D., 2012, *A&A*, 542, 10 [[ADS](#)]

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

[Shape modeling technique KOALA validated by ESA Rosetta at \(21\) Lutetia](#)

Çarry, B., Kaasalainen, M., Merline, W.J., Müller, T.G., Jorda, L., Drummond, J.D., Berthier, J., O'Rourke, L., Durech, J., Küppers, M., Conrad, A., Tamblin, P., **Dumas, C.**, Sierks, H., & OSIRIS Team, O.T., 2012, *P&SS*, 66, 200 [[ADS](#)]

Instruments: VISIR

[Orbital characterization of the \$\beta\$ Pictoris b giant planet](#)

Chauvin, G., Lagrange, A.-M., Beust, H., Bonnefoy, M., Boccaletti, A., Apai, D., Allard, F., Ehrenreich, D., **Girard, J.H.V.**, Mouillet, D., & Rouan, D., 2012, *A&A*, 542, 41 [[ADS](#)]

Instruments: NACO, NACO, NACO, NACO, NACO

[The position of \$\beta\$ Pictoris b position relative to the debris disk](#)

Lagrange, A.-M., Boccaletti, A., Milli, J., Chauvin, G., Bonnefoy, M., Mouillet, D., Augereau, J.C., **Girard, J.H.**, & Lacour, S., Apai, D., 2012, *A&A*, 542, 40 [[ADS](#)]

Instruments: NACO

Stellar Evolution

[The VLT-FLAMES Tarantula Survey. IV. Candidates for isolated high-mass star formation in 30 Doradus](#)

Bressert, E., Bastian, N., Evans, C.J., Sana, H., Hénault-Brunet, V., Goodwin, S.P., Parker, R.J., Gieles, M., Bestenlehner, J.M., Vink, J.S., Taylor, W.D., Crowther, P.A., **Longmore, S.N.**, Gräfener, G., Maíz Apellániz, J., de Koter, A., Cantiello, M., & Kruijssen, J.M.D., 2012, *A&A*, 542, 49 [[ADS](#)]

Instruments: FLAMES-GIRAFFE, HAWK-I

[A primordial star in the heart of the Lion](#)

Caffau, E., Bonifacio, P., François, P., Spite, M., Spite, F., Zaggia, S., Ludwig, H.-G., Steffen, M., Mashonkina, L., Monaco, L., Sbordone, L., Molaro, P., Cayrel, R., Plez, B., Hill, V., Hammer, F., Randich, S., 2012, A&A, 542, 51 [\[ADS\]](#)

Instruments: UVES, X-SHOOTER

[Linking Type Ia Supernova Progenitors and Their Resulting Explosions](#)

Foley, R.J., Simon, J.D., Burns, C.R., Gal-Yam, A., Hamuy, M., Kirshner, R.P., Morrell, N.I., Phillips, M.M., Shields, G.A., & Sternberg, A., 2012, ApJ, 752, 101 [\[ADS\]](#)

Instruments: UVES, UVES, UVES

[Multiple episodes of star formation in the CN15/16/17 molecular complex](#)

Gennaro, M., Bik, A., Brandner, W., Stolte, A., Rochau, B., Beuther, H., Gouliermis, D., Tackenberg, J., Kudryavtseva, N., Hussmann, B., Schuller, F., & Henning, T., 2012, A&A, 542, 74 [\[ADS\]](#)

Instruments: SOFI

[Central kinematics of the globular cluster NGC 2808: upper limit on the mass of an intermediate-mass black hole](#)

Lützgendorf, N., Kissler-Patig, M., Gebhardt, K., Baumgardt, H., Noyola, E., Jalali, B., de Zeeuw, P.T., & Neumayer, N., 2012, A&A, 542, 129 [\[ADS\]](#)

Instruments: FLAMES-GIRAFFE

[The near-infrared detection of PSR B0540-69 and its nebula](#)

Mignani, R.P., De Luca, A., Hummel, W., Zajczyk, A., Rudak, B., Kanbach, G., & Słowikowska, A., 2012, A&A, 544, 100 [\[ADS\]](#)

Instruments: NACO

[Magnetometry of a sample of massive stars in Carina](#)

Nazé, Y., Bagnulo, S., Petit, V., Rivinius, T., Wade, G., Rauw, G., & Gagné, M., 2012, MNRAS, 423, 3413 [\[ADS\]](#)

Instruments: FORS2

[Post-common envelope binaries from SDSS - XVI. Long orbital period systems and the energy budget of common envelope evolution](#)

Rebassa-Mansergas, A., Zorotovic, M., Schreiber, M.R., Gänsicke, B.T., Southworth, J., Nebot Gómez-Morán, A., Tappert, C., Koester, D., Pyrzas, S., Papadaki, C., Schmidtobreick, L., Schwöpe, A., & Toloza, O., 2012, MNRAS, 423, 320 [\[ADS\]](#)

Instruments: FORS2, FORS2, FORS2, FORS2, EFOSC2_NTT

[AMBER and CRIRES observations of the binary sgB\[e\] star HD 327083: evidence of a gaseous disc traced by CO bandhead emission](#)

Wheelwright, H.E., de Wit, W.J., Weigelt, G., Oudmaijer, R.D., & Ilee, J.D., 2012, A&A, 543, 77 [\[ADS\]](#)

Instruments: AMBER, CRIRES

Miscellaneous

[Crossing the Gould Belt in the Orion vicinity](#)

Biazzo, K., Alcalá, J.M., Covino, E., Sterzik, M.F., Guillout, P., Chavarría-K., C., Frasca, A., & Raddi, R., 2012, A&A, 542, 115 [\[ADS\]](#)

[Galaxy Disks Do Not Need to Survive in the \$\Lambda\$ CDM Paradigm: The Galaxy Merger Rate Out to \$z \sim 1.5\$ from Morpho-kinematic Data](#)

Puech, M., Hammer, F., Hopkins, P.F., Athanassoula, E., Flores, H., Rodrigues, M., Wang, J.L., & Yang, Y.B., 2012, ApJ, 753, 128 [\[ADS\]](#)

Instruments: FLAMES-GIRAFFE

[ALMA reveals a chemically evolved submillimeter galaxy at \$z = 4.76\$](#)

Nagao, T., Maiolino, R., De Breuck, C., Caselli, P., Hatsukade, B., & Saigo, K., 2012, A&A, 542, L34 [\[ADS\]](#)

Instruments: ALMA_Bands

[The first ALMA view of IRAS 16293-2422. Direct detection of infall onto source B and high-resolution kinematics of source A](#)

Pineda, J.E., Maury, A.J., Fuller, G.A., **Testi, L., García-Appadoo, D.,** Peck, A.B., **Villard, E.,** Corder, S.A., van Kempen, T.A., Turner, J.L., Tachihara, K., & **Dent, W.,** 2012, A&A, 544, L7 [[ADS](#)]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

[\[C II\] Line Emission in Massive Star-forming Galaxies at \$z = 4.7\$](#)

Wagg, J., Wiklind, T., Carilli, C.L., Espada, D., Peck, A., Riechers, D., Walter, F., Wootten, A., **Aravena, M., Barkats, D.,** Cortes, J.R., **Hills, R.,** Hodge, J., Impellizzeri, C.M.V., Iono, D., Leroy, A., **Martin, S., Rawlings, M.G.,** Maiolino, R., McMahon, R.G., Scott, K.S., **Villard, E., & Vlahakis, C.,** 2012, ApJ, 752, L30 [[ADS](#)]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

Papers without ESO data

A blind detection of a large, complex, Sunyaev-Zel'dovich structure

AMI Consortium, A.C., Shimwell, T.W., Barker, R.W., Biddulph, P., Bly, D., Boysen, R.C., Brown, A.R., Brown, M.L., Clementson, C., Crofts, M., Culverhouse, T.L., Czeres, J., Dace, R.J., Davies, M.L., D'Alessandro, R., Doherty, P., Duggan, K., Ely, J.A., Felvus, M., Feroz, F., Flynn, W., Franzen, T.M.O., Geisbüsch, J., Génova-Santos, R., Grainger, K.J.B., Grainger, W.F., Hammett, D., Hobson, M.P., Holler, C.M., Hurley-Walker, N., Jilley, R., Kaneko, T., **Kneissl, R.,** Lancaster, K., Lasenby, A.N., Marshall, P.J., Newton, F., Norris, O., Northrop, I., Odell, D.M., Olamaie, M., Perrott, Y.C., Pober, J.C., Pooley, G.G., Pospieszalski, M.W., Quy, V., Rodríguez-González, C., Saunders, R.D.E., Scaife, A.M.M., Schammel, M.P., Schofield, J., Scott, P.F., Shaw, C., Smith, H., Titterton, D.J., Velić, M., Waldram, E.M., West, S., Wood, B.A., Yassin, G., & Zwart, J.T.L., 2012, MNRAS, 423, 1463 [[ADS](#)]

A search for 21 cm H I absorption in AT20G compact radio galaxies

Allison, J.R., Curran, S.J., Emonts, B.H.C., Geréb, K., Mahony, E.K., Reeves, S., Sadler, E.M., Tanna, A., Whiting, M.T., & **Zwaan, M.A.,** 2012, MNRAS, 423, 2601 [[ADS](#)]

The Close T Tauri Binary System V4046 Sgr: Rotationally Modulated X-Ray Emission from Accretion Shocks

Argiroffi, C., Maggio, A., Montmerle, T., Huenemoerder, D.P., Alecian, E., Audard, M., Bouvier, J., Damiani, F., Donati, J.-F., Gregory, S.G., Güdel, M., **Hussain, G.A.J.,** Kastner, J.H., Sacco, G.G., 2012, ApJ, 752, 100 [[ADS](#)]

Stripped gas as fuel for newly formed H II regions in the encounter between VCC 1249 and M 49: a unified picture from NGVS and GUViCS

Arrigoni Battaia, F., Gavazzi, G., Fumagalli, M., Boselli, A., Boissier, S., **Cortese, L.,** Heinis, S., Ferrarese, L., Côté, P., Mihos, J.C., Cuillandre, J.C., Duc, P.-A., Durrell, P., Gwyn, S., Jordán, A., Liu, C., Peng, E., Mei, S., 2012, A&A, 543, 112 [[ADS](#)]

Imaging the Algol Triple System in the H Band with the CHARA Interferometer

Baron, F., Monnier, J.D., **Pedretti, E.,** Zhao, M., Schaefer, G., Parks, R., Che, X., Thureau, N., ten Brummelaar, T.A., McAlister, H.A., Ridgway, S.T., Farrington, C., Sturmann, J., Sturmann, L., & Turner, N., 2012, ApJ, 752, 20 [[ADS](#)]

Interferometric mapping of the 3.3-mm continuum emission of comet 17P/Holmes after its 2007 outburst

Boissier, J., Bockelée-Morvan, D., Biver, N., Crovisier, J., Lellouch, E., Moreno, R., & Zakharov, V., 2012, A&A, 542, 73 [[ADS](#)]

Resolving the Circumstellar Disk around the Massive Protostar Driving the HH 80-81 Jet

Carrasco-González, C., **Galván-Madrid, R.,** Anglada, G., Osorio, M., D'Alessio, P., Hofner, P., Rodríguez, L.F., Linz, H., & Araya, E.D., 2012, ApJ, 752, L29 [[ADS](#)]

Chandra High-resolution observations of CID-42, a Candidate Recoiling Supermassive Black Hole

Civano, F., Elvis, M., Lanzuisi, G., Aldcroft, T., Trichas, M., Bongiorno, A., Brusa, M., Blecha, L., Comastri, A., Loeb, A., Salvato, M., Fruscione, A., Koekemoer, A., Komossa, S., Gilli, R., **Mainieri, V.,** Piconcelli, E., & Vignali, C., 2012, ApJ, 752, 49 [[ADS](#)]

The Herschel Virgo Cluster Survey. X. The relationship between cold dust and molecular gas content in Virgo spirals

Corbelli, E., Bianchi, S., **Cortese, L.,** Giovanardi, C., Magrini, L., Pappalardo, C., Boselli, A., Bendo, G.J., Davies, J., Grossi, M., Madden, S.C., Smith, M.W.L., **Vlahakis, C.,** Auld, R., Baes, M., De Looze, I., Fritz, J., Pohlen, M., & Verstappen, J., 2012, A&A, 542, 32 [[ADS](#)]

A Population of Dust-rich Quasars at $z \sim 1.5$

Dai, Y.S., Bergeron, J., Elvis, M., Omont, A., Huang, J.-S., Bock, J., Cooray, A., Fazio, G., **Hatziminaoglou, E.**, Ibar, E., Magdis, G.E., Oliver, S.J., Page, M.J., Perez-Fournon, I., Rigopoulou, D., Roseboom, I.G., Scott, D., Symeonidis, M., Trichas, M., Vieira, J.D., Willmer, C.N.A., Zemcov, M., 2012, ApJ, 753, 33 [[ADS](#)]

XMM-Newton observations of GX 13 + 1: correlation between photoionised absorption and broad line emission

Díaz Trigo, M., Sidoli, L., Boirin, L., & Parmar, A.N., 2012, A&A, 543, 50 [[ADS](#)]

Herschel PACS Observations and Modeling of Debris Disks in the Tucana-Horologium Association

Donaldson, J.K., Roberge, A., Chen, C.H., Augereau, J.-C., **Dent, W.R.F.**, Eiroa, C., Krivov, A.V., Mathews, G.S., Meeus, G., Ménard, F., Riviere-Marichalar, P., Sandell, G., 2012, ApJ, 753, 147 [[ADS](#)]

The starburst-active galactic nucleus connection in the merger galaxy Mrk 938: an infrared and X-ray view

Esquej, P., Alonso-Herrero, A., Pérez-García, A.M., Pereira-Santaella, M., Rigopoulou, D., Sánchez-Portal, M., Castillo, M., Ramos Almeida, C., Coia, D., Altieri, B., Acosta-Pulido, J.A., Conversi, L., González-Serrano, J.I., **Hatziminaoglou, E.**, Pović, M., Rodríguez-Espinosa, J.M., & Valtchanov, I., 2012, MNRAS, 423, 185 [[ADS](#)]

Disc scalelengths out to redshift 5.8

Fathi, K., Gatchell, M., **Hatziminaoglou, E.**, & Epinat, B., 2012, MNRAS, 423, L112 [[ADS](#)]

The velocity dispersion and mass function of the outer halo globular cluster Palomar 4

Frank, M.J., **Hilker, M.**, Baumgardt, H., Côté, P., Grebel, E.K., Hagi, H., Küpper, A.H.W., & Djorgovski, S.G., 2012, MNRAS, 423, 2917 [[ADS](#)]

Surprises in image decomposition of edge-on galaxies: does Sombrero have a (classical) bulge?

Gadotti, D.A., & **Sánchez-Janssen, R.**, 2012, MNRAS, 423, 877 [[ADS](#)]

Resolved [CII] emission in a lensed quasar at $z = 4.4$

Gallerani, S., Neri, R., Maiolino, R., **Martín, S.**, **De Breuck, C.**, Walter, F., Caselli, P., Krips, M., Meneghetti, M., Nagao, T., **Wagg, J.**, & Walmsley, M., 2012, A&A, 543, 114 [[ADS](#)]

The magnetized medium around the radio galaxy B2 0755+37: an interaction with the intragroup gas

Guidetti, D., **Laing, R.A.**, Croston, J.H., Bridle, A.H., & Parma, P., 2012, MNRAS, 423, 1335 [[ADS](#)]

The M 16 molecular complex under the influence of NGC 6611. Herschel's perspective of the heating effect on the Eagle Nebula

Hill, T., Motte, F., Didelon, P., White, G.J., Marston, A.P., Nguyễn Luong, Q., Bontemps, S., André, P., Schneider, N., Hennemann, M., Sauvage, M., Di Francesco, J., Minier, V., Anderson, L.D., Bernard, J.P., Elia, D., Griffin, M.J., Li, J.Z., Peretto, N., Pezzuto, S., Polychroni, D., Rousset, H., Rygl, K.L.J., Schisano, E., Soubie, T., **Testi, L.**, Thompson, D.W., & Zavagno, A., 2012, A&A, 542, 114 [[ADS](#)]

Validation of the exoplanet Kepler-21b using PAVO/CHARA long-baseline interferometry

Huber, D., Ireland, M.J., Bedding, T.R., Howell, S.B., Maestro, V., **Mérand, A.**, Tuthill, P.G., White, T.R., Farrington, C.D., Goldfinger, P.J., McAlister, H.A., Schaefer, G.H., Sturmann, J., Sturmann, L., ten Brummelaar, T.A., & Turner, N.H., 2012, MNRAS, 423, L16 [[ADS](#)]

Chandra study of the eclipsing M dwarf binary, YY Gem

Hussain, G.A.J., Brickhouse, N.S., Dupree, A.K., Reale, F., Favata, F., & Jardine, M.M., 2012, MNRAS, 423, 493 [[ADS](#)]

The SAURON project - XXI. The spatially resolved UV-line strength relations of early-type galaxies

Jeong, H., Yi, S.K., Bureau, M., Davies, R.L., Bacon, R., Cappellari, M., **de Zeeuw, P.T.**, **Emsellem, E.**, Falcón-Barroso, J., **Krajnović, D.**, **Kuntschner, H.**, McDermid, R.M., Peletier, R.F., Sarzi, M., van den Bosch, R.C.E., & van de Ven, G., 2012, MNRAS, 423, 1921 [[ADS](#)]

Chemical Segregation toward Massive Hot Cores: The AFGL2591 Star-forming Region

Jiménez-Serra, I., Zhang, Q., Viti, S., Martín-Pintado, J., & **de Wit, W.-J.**, 2012, ApJ, 753, 34 [[ADS](#)]

The Resolved Stellar Population in 50 Regions of M83 from HST/WFC3 Early Release Science Observations

Kim, H., Whitmore, B.C., Chandar, R., Saha, A., Kaleida, C.C., Mutchler, M., Cohen, S.H., Calzetti, D., O'Connell, R.W., Windhorst, R.A., Balick, B., Bond, H.E., Carollo, M., Disney, M.J., Dopita, M.A., Frogel, J.A., Hall, D.N.B., Holtzman, J.A., Kimble, R.A., McCarthy, P.J., **Paresce, F.**, Silk, J.I., Trauger, J.T., Walker, A.R., & Young, E.T., 2012, ApJ, 753, 26 [[ADS](#)]

Early-type Galaxies with Tidal Debris and Their Scaling Relations in the Spitzer Survey of Stellar Structure in Galaxies (S4G)

Kim, T., Sheth, K., Hinz, J.L., Lee, M.G., Zaritsky, D., **Gadotti, D.A.**, Knapen, J.H., Schinnerer, E., Ho, L.C., Laurikainen, E., Salo, H., Athanassoula, E., Bosma, A., de Swardt, B., Muñoz-Mateos, J.-C., Madore, B.F., Comerón, S., Regan, M.W., Menéndez-Delmestre, K., Gil de Paz, A., Seibert, M., Laine, J., Erroz-Ferrer, S., Mizusawa, T., 2012, ApJ, 753, 43 [[ADS](#)]

The tidal tails of 47 Tucanae

Lane, R.R., **Küpper, A.H.W.**, & Heggie, D.C., 2012, MNRAS, 423, 2845 [[ADS](#)]

A novel technique to control differential birefringence in optical interferometers. Demonstration on the PIONIER-VLTI instrument

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