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### Cosmology

#### [The evolution of the star formation activity per halo mass up to redshift ~ 1.6 as seen by Herschel](#)

Popesso, P., Biviano, A., Rodighiero, G., Baronchelli, I., Salvato, M., Saintonge, A., Finoguenov, A., Magnelli, B., Gruppioni, C., Pozzi, F., Lutz, D., Elbaz, D., Altieri, B., **Andreani, P.**, Aussel, H., Berta, S., Capak, P., Cava, A., Cimatti, A., Coia, D., Daddi, E., Dannerbauer, H., Dickinson, M., Dasyra, K., Fadda, D., Förster Schreiber, N., Genzel, R., Hwang, H.S., Kartaltepe, J., Ilbert, O., Le Floch, E., Leiton, R., Magdis, G., Nordon, R., Patel, S., Poglitsch, A., Riguccini, L., Sanchez Portal, M., Shao, L., Tacconi, L., Tomczak, A., Tran, K., & Valtchanov, I., 2012, A&A, 537, 58 [[ADS](#)]

*Instruments:* FORS2, ISAAC, ISAAC, ISAAC, ISAAC, WFI, WFI, WFI, WFI, VIMOS, VIMOS

### Interstellar Medium, Star Formation and Planetary Systems

#### [The remarkable surface homogeneity of the Dawn mission target \(1\) Ceres](#)

**Carry, B., Vernazza, P., Dumas, C.**, Merline, W.J., Mousis, O., Rousselot, P., Jehin, E., Manfroid, J., Fulchignoni, M., & Zucconi, J.-M., 2012, Icar, 217, 20 [[ADS](#)]

*Instruments:* SINFONI

#### [A mid-IR study of the circumstellar environment of Herbig Be stars](#)

Verhoeff, A.P., Waters, L.B.F.M., **van den Ancker, M.E.**, Min, M., Stap, F.A., Pantin, E., van Boekel, R., Acke, B., Tielens, A.G.G.M., & de Koter, A., 2012, A&A, 538, 101 [[ADS](#)]

*Instruments:* VISIR, VISIR, VISIR

### Miscellaneous

#### **The Hubble Space Telescope Cluster Supernova Survey. VI. The Volumetric Type Ia Supernova Rate**

Barbary, K., Aldering, G., Amanullah, R., Brodwin, M., Connolly, N., Dawson, K.S., Doi, M., Eisenhardt, P., Faccioli, L., Fadeyev, V., Fakhouri, H.K., Fruchter, A.S., Gilbank, D.G., Gladders, M.D., Goldhaber, G., Goobar, A., Hattori, T., Hsiao, E., Huang, X., Ihara, Y., Kashikawa, N., Koester, B., Konishi, K., Kowalski, M., Lidman, C., Lubin, L., Meyers, J., Morokuma, T., Oda, T., Panagia, N., Perlmutter, S., Postman, M., Ripoche, P., **Rosati, P.**, Rubin, D., Schlegel, D.J., Spadafora, A.L., Stanford, S.A., Strovink, M., Suzuki, N., Takahashi, N., Tokita, K., Yasuda, N., & Supernova Cosmology Project, S.C.P., 2012, ApJ, 745, 31 [[ADS](#)]

*Instruments:* FORS2

#### **The Hubble Space Telescope Cluster Supernova Survey. II. The Type Ia Supernova Rate in High-redshift Galaxy Clusters**

Barbary, K., Aldering, G., Amanullah, R., Brodwin, M., Connolly, N., Dawson, K.S., Doi, M., Eisenhardt, P., Faccioli, L., Fadeyev, V., Fakhouri, H.K., Fruchter, A.S., Gilbank, D.G., Gladders, M.D., Goldhaber, G., Goobar, A., Hattori, T., Hsiao, E., Huang, X., Ihara, Y., Kashikawa, N., Koester, B., Konishi, K., Kowalski, M., Lidman, C., Lubin, L., Meyers, J., Morokuma, T., Oda, T., Panagia, N., Perlmutter, S., Postman, M., Ripoche, P., **Rosati, P.**, Rubin, D., Schlegel, D.J., Spadafora, A.L., Stanford, S.A., Strovink, M., Suzuki, N., Takahashi, N., Tokita, K., Yasuda, N., & Supernova Cosmology Project, S.C.P., 2012, ApJ, 745, 32 [[ADS](#)]

*Instruments:* FORS2

#### [Pre-ALMA observations of GRBs in the mm/submm range](#)

de Ugarte Postigo, A., **Lundgren, A., Martín, S., Garcia-Appadoo, D., de Gregorio Monsalvo, I.**, Peck, A., Michałowski, M.J., Thöne, C.C., Campana, S., Gorosabel, J., Tanvir, N.R., Wiersema, K., Castro-Tirado, A.J., Schulze, S., **De Breuck, C.**, Petitpas, G., Hjorth, J., Jakobsson, P., Covino, S., Fynbo, J.P.U., Winters, J.M., Bremer, M., Levan, A.J., Llorente, A., Sánchez-Ramírez, R., Tello, J.C., & Salvaterra, R., 2012, A&A, 538, 44 [[ADS](#)]

*Instruments:* LABOCA, LABOCA, LABOCA, LABOCA, LABOCA, ALMA\_Bands, ALMA\_Bands, ALMA\_Bands, ALMA\_Bands

## Papers without ESO data

### **Investigations of dust heating in M81, M83 and NGC 2403 with the Herschel Space Observatory**

Bendo, G.J., Boselli, A., Dariush, A., Pohlen, M., Roussel, H., Sauvage, M., Smith, M.W.L., Wilson, C.D., Baes, M., Cooray, A., Clements, D.L., **Cortese, L.**, Foyle, K., Galametz, M., Gomez, H.L., Lebouteiller, V., Lu, N., Madden, S.C., Mentuch, E., O'Halloran, B., Page, M.J., Remy, A., Schulz, B., & Spinoglio, L., 2012, MNRAS, 419, 1833 [[ADS](#)]

### **Herschel/HIFI observations of molecular emission in protoplanetary nebulae and young planetary nebulae**

Bujarrabal, V., Alcolea, J., Soria-Ruiz, R., **Planesas, P.**, Teyssier, D., Cernicharo, J., Decin, L., Dominik, C., Justtanont, K., de Koter, A., Marston, A.P., Melnick, G., Menten, K.M., Neufeld, D.A., Olofsson, H., Schmidt, M., Schöier, F.L., Szczerba, R., & Waters, L.B.F.M., 2012, A&A, 537, 8 [[ADS](#)]

### **Fossil group origins. II. Unveiling the formation of the brightest group galaxies through their scaling relations**

Méndez-Abreu, J., Aguerri, J.A.L., Barrena, R., **Sánchez-Janssen, R.**, Boschin, W., Castro-Rodriguez, N., Corsini, E.M., Del Burgo, C., D'Onghia, E., Girardi, M., Iglesias-Páramo, J., Napolitano, N., Vilchez, J.M., & Zarattini, S., 2012, A&A, 537, 25 [[ADS](#)]

### **The SAURON project - XX. The Spitzer [3.6] - [4.5] colour in early-type galaxies: colours, colour gradients and inverted scaling relations**

Peletier, R.F., Kutdemir, E., van der Wolk, G., Falcón-Barroso, J., Bacon, R., Bureau, M., Cappellari, M., Davies, R.L., **de Zeeuw, P.T.**, **Emsellem, E.**, **Krajnović, D.**, **Kuntschner, H.**, McDermid, R.M., Sarzi, M., Scott, N., Shapiro, K.L., van den Bosch, R.C.E., & van de Ven, G., 2012, MNRAS, 419, 2031 [[ADS](#)]

### **Herschel-ATLAS/GAMA: dusty early-type galaxies and passive spirals**

Rowlands, K., Dunne, L., Maddox, S., Bourne, N., Gomez, H.L., Kaviraj, S., Bamford, S.P., Brough, S., Charlot, S., da Cunha, E., Driver, S.P., Eales, S.A., Hopkins, A.M., Kelvin, L., Nichol, R.C., Sansom, A.E., Sharp, R., Smith, D.J.B., Temi, P., van der Werf, P., Baes, M., Cava, A., Cooray, A., Croom, S.M., Dariush, A., de Zotti, G., Dye, S., Fritz, J., Hopwood, R., Ibar, E., Ivison, R.J., **Liske, J.**, Loveday, J., Madore, B., Norberg, P., Popescu, C.C., Rigby, E.E., Robotham, A., Rodighiero, G., Seibert, M., & Tuffs, R.J., 2012, MNRAS, 419, 2545 [[ADS](#)]

### **Unveiling the Physical Properties and Kinematics of Molecular Gas in the Antennae Galaxies (NGC 4038/9) through High-resolution CO (J = 3-2) Observations**

Ueda, J., Iono, D., Petitpas, G., Yun, M.S., Ho, P.T.P., Kawabe, R., Mao, R.-Q., **Martín, S.**, Matsushita, S., Peck, A.B., Tamura, Y., Wang, J., Wang, Z., Wilson, C.D., Zhang, Q., 2012, ApJ, 745, 65 [[ADS](#)]

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