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### Cosmology

#### [Discovery of the X-ray selected galaxy cluster XMMU J0338.8+0021 at \$z = 1.49\$ . Indications of a young system with a brightest galaxy in formation](#)

Nastasi, A., Fassbender, R., Böhringer, H., Šuhada, R., **Rosati, P.**, Pierini, D., Verdugo, M., Santos, J.S., Schwobe, A.D., de Hoon, A., Kohnert, J., Lamer, G., Mühlegger, M., & Quintana, H., 2011, A&A, 532, L6 [[ADS](#)]

*Instruments:* FORS2

#### [Discovery of a massive X-ray luminous galaxy cluster at \$z = 1.579\$](#)

Santos, J.S., Fassbender, R., Nastasi, A., Böhringer, H., **Rosati, P.**, Šuhada, R., Pierini, D., Nonino, M., Mühlegger, M., Quintana, H., Schwobe, A.D., Lamer, G., de Hoon, A., & Strazzullo, V., 2011, A&A, 531, L15 [[ADS](#)]

*Instruments:* FORS2, EMMI, SOFI

#### [The Stellar Velocity Dispersion of a Compact Massive Galaxy at \$z = 1.80\$ Using X-Shooter: Confirmation of the Evolution in the Mass-Size and Mass-Dispersion Relations](#)

van de Sande, J., Kriek, M., Franx, M., van Dokkum, P.G., Bezanson, R., Whitaker, K.E., **Brammer, G.**, Labbé, I., Groot, P.J., & Kaper, L., 2011, ApJ, 736, L9 [[ADS](#)]

*Instruments:* X-SHOOTER

### Galaxies and Galactic Nuclei

#### [New Galactic star clusters discovered in the VVV survey](#)

Borissova, J., Bonatto, C., Kurtev, R., Clarke, J.R.A., Peñaloza, F., Sale, S.E., Minniti, D., Alonso-García, J., Artigau, E., Barbá, R., Bica, E., Baume, G.L., Catelan, M., Chenè, A.N., Dias, B., Folkes, S.L., Froebrich, D., Geisler, D., de Grijs, R., Hanson, M.M., Hempel, M., **Ivanov, V.D.**, Kumar, M.S.N., Lucas, P., Mauro, F., Moni Bidin, C., **Rejkuba, M.**, Saito, R.K., Tamura, M., & Toledo, I., 2011, A&A, 532, 131 [[ADS](#)]

*Instruments:* VIRCAM

#### [Accurate Stellar Kinematics at Faint Magnitudes: Application to the Boötes I Dwarf Spheroidal Galaxy](#)

Koposov, S.E., Gilmore, G., Walker, M.G., Belokurov, V., Wyn Evans, N., Fellhauer, M., Gieren, W., Geisler, D., **Monaco, L.**, Norris, J.E., Okamoto, S., Peñarrubia, J., Wilkinson, M., Wyse, R.F.G., & Zucker, D.B., 2011, ApJ, 736, 146 [[ADS](#)]

*Instruments:* FLAMES-GIRAFFE

### Interstellar Medium, Star Formation and Planetary Systems

#### [New insights on ices in Centaur and Transneptunian populations](#)

Barucci, M.A., **Alvarez-Candal, A.**, Merlin, F., Belskaya, I.N., de Bergh, C., Perna, D., DeMeo, F., & Fornasier, S., 2011, Icar, 214, 297 [[ADS](#)]

*Instruments:* FORS1, FORS2, ISAAC, SINFONI, LaserGuideStarFacility

#### [Near-infrared Spectroscopy of EX Lupi in Outburst](#)

Kóspál, Á., Ábrahám, P., Goto, M., Regály, Z., Dullemond, C.P., Henning, T., Juhász, A., Sicilia-Aguilar, A., & **van den Ancker, M.**, 2011, ApJ, 736, 72 [[ADS](#)]

*Instruments:* NACO, SINFONI

#### [Testing the comet nature of main belt comets. The spectra of 133P/Elst-Pizarro and 176P/LINEAR](#)

Licandro, J., Campins, H., Tozzi, G.P., de León, J., Pinilla-Alonso, N., Boehnhardt, H., & **Hainaut, O.R.**, 2011, A&A, 532, 65 [[ADS](#)]

*Instruments:* FORS1

**The nearby eclipsing stellar system  $\delta$  Velorum. III. Self-consistent fundamental parameters and distance**

**Mérand, A.**, Kervella, P., Pribulla, T., **Petr-Gotzens, M.G.**, Benisty, M., Natta, A., Duvert, G., Schertl, D., & Vannier, M., 2011, A&A, 532, 50 [[ADS](#)]  
*Instruments:* NACO, AMBER, AMBER, VISIR

**Distance limits to intermediate- and high-velocity clouds**

**Smoker, J.V., Fox, A.J.**, & Keenan, F.P., 2011, MNRAS, 415, 1105 [[ADS](#)]  
*Instruments:* UVES, FEROS2.2, FLAMES-UV, FLAMES-GIRAFFE

## **Stellar Evolution**

**The strong magnetic field of the large-amplitude  $\beta$  Cephei pulsator V1449 Aquilae**

Hubrig, S., Ilyin, I., Briquet, M., **Schöller, M.**, González, J.F., Nuñez, N., De Cat, P., & Morel, T., 2011, A&A, 531, L20 [[ADS](#)]  
*Instruments:* FORS1, FEROS2.2

**The two metallicity groups of the globular cluster M 22: a chemical perspective**

Marino, A.F., Sneden, C., Kraft, R.P., Wallerstein, G., Norris, J.E., da Costa, G., Milone, A.P., Ivans, I.I., Gonzalez, G., Fulbright, J.P., **Hilker, M.**, Piotto, G., Zoccali, M., & Stetson, P.B., 2011, A&A, 532, 8 [[ADS](#)]  
*Instruments:* UVES, FLAMES-UV

**A Fossil Bulge Globular Cluster Revealed by very Large Telescope Multi-conjugate Adaptive Optics**

Ortolani, S., Barbay, B., **Momany, Y.**, **Saviane, I.**, Bica, E., **Jilkova, L.**, Salerno, G.M., & Jungwiert, B., 2011, ApJ, 737, 31 [[ADS](#)]  
*Instruments:* MAD

**Rapidly Pulsating Hot Subdwarfs in  $\omega$  Centauri: A New Instability Strip on the Extreme Horizontal Branch?**

**Randall, S.K.**, Calamida, A., Fontaine, G., Bono, G., & Brassard, P., 2011, ApJ, 737, L27 [[ADS](#)]  
*Instruments:* FORS2, EFOSC2\_NTT

**Lunar occultations of 184 stellar sources in two crowded regions toward the Galactic bulge**

**Richichi, A.**, Chen, W.P., Fors, O., & Wang, P.F., 2011, A&A, 532, 101 [[ADS](#)]  
*Instruments:* ISAAC

**Inhomogeneities in molecular layers of Mira atmospheres**

**Wittkowski, M.**, Boboltz, D.A., Ireland, M., **Karovicova, I.**, Ohnaka, K., Scholz, M., van Wyk, F., Whitelock, P., Wood, P.R., & Zijlstra, A.A., 2011, A&A, 532, L7 [[ADS](#)]  
*Instruments:* AMBER, MIDI

## **Miscellaneous**

**The remnant of SN 1987A revealed at (sub-)mm wavelengths\***

**Lakićević, M.**, van Loon, J.T., **Patat, F.**, Staveley-Smith, L., & Zanardo, G., 2011, A&A, 532, L8 [[ADS](#)]  
*Instruments:* LABOCA

**Searching for Gas Giant Planets on Solar System Scales: VLT NACO/APP Observations of the Debris Disk Host Stars HD172555 and HD115892**

Quanz, S.P., Kenworthy, M.A., Meyer, M.R., **Girard, J.H.V.**, & **Kasper, M.**, 2011, ApJ, 736, L32 [[ADS](#)]  
*Instruments:* NACO

## **Papers without ESO data**

**The Non-segregated Population of Blue Straggler Stars in the Remote Globular Cluster Palomar 14**

**Beccari, G.**, Sollima, A., Ferraro, F.R., Lanzoni, B., Bellazzini, M., De Marchi, G., Valls-Gabaud, D., & Rood, R.T., 2011, ApJ, 737, L3 [[ADS](#)]

### **Building the cosmic infrared background brick by brick with Herschel/PEP\*\*\***

Berta, S., Magnelli, B., Nordon, R., Lutz, D., Wuyts, S., Altieri, B., **Andreani, P.**, Aussel, H., Castañeda, H., Cepa, J., Cimatti, A., Daddi, E., Elbaz, D., Förster Schreiber, N.M., Genzel, R., Le Floc'h, E., Maiolino, R., Pérez-Fournon, I., Poglitsch, A., Popesso, P., Pozzi, F., Riguccini, L., Rodighiero, G., Sanchez-Portal, M., Sturm, E., Tacconi, L.J., & Valtchanov, I., 2011, A&A, 532, 49 [\[ADS\]](#)

### **Redshift Evolution of the Galaxy Velocity Dispersion Function**

Bezanson, R., van Dokkum, P.G., Franx, M., **Brammer, G.B.**, Brinchmann, J., Kriek, M., Labbé, I., Quadri, R.F., Rix, H.-W., van de Sande, J., Whitaker, K.E., Williams, R.J., 2011, ApJ, 737, L31 [\[ADS\]](#)

### **The effect of the environment on the H I scaling relations**

**Cortese, L.**, Catinella, B., Boissier, S., Boselli, A., & Heinis, S., 2011, MNRAS, 415, 1797 [\[ADS\]](#)

### **Grand Design and Flocculent Spirals in the Spitzer Survey of Stellar Structure in Galaxies (S4G)**

Elmegreen, D.M., Elmegreen, B.G., Yau, A., Athanassoula, E., Bosma, A., Buta, R.J., Helou, G., Ho, L.C., **Gadotti, D.A.**, Knapen, J.H., Laurikainen, E., Madore, B.F., Masters, K.L., Meidt, S.E., Menéndez-Delmestre, K., Regan, M.W., Salo, H., Sheth, K., Zaritsky, D., Aravena, M., Skibba, R., Hinz, J.L., Laine, J., Gil de Paz, A., Muñoz-Mateos, J.-C., Seibert, M., Mizusawa, T., Kim, T., Erroz Ferrer, S., 2011, ApJ, 737, 32 [\[ADS\]](#)

### **Galaxy and Mass Assembly (GAMA): the star formation rate dependence of the stellar initial mass function**

Gunawardhana, M.L.P., Hopkins, A.M., Sharp, R.G., Brough, S., Taylor, E., Bland-Hawthorn, J., Maraston, C., Tuffs, R.J., Popescu, C.C., Wijesinghe, D., Jones, D.H., Croom, S., Sadler, E., Wilkins, S., Driver, S.P., **Liske, J.**, Norberg, P., Baldry, I.K., Bamford, S.P., Loveday, J., Peacock, J.A., Robotham, A.S.G., Zucker, D.B., Parker, Q.A., Conselice, C.J., Cameron, E., Frenk, C.S., Hill, D.T., Kelvin, L.S., Kuijken, K., Madore, B.F., Nichol, B., Parkinson, H.R., Pimbblet, K.A., Prescott, M., Sutherland, W.J., Thomas, D., & **van Kampen, E.**, 2011, MNRAS, 415, 1647 [\[ADS\]](#)

### **The ATLAS3D project - II. Morphologies, kinematic features and alignment between photometric and kinematic axes of early-type galaxies**

**Krajnović, D.**, Emsellem, E., Cappellari, M., Alatalo, K., Blitz, L., **Bois, M.**, Bournaud, F., Bureau, M., Davies, R.L., Davis, T.A., **de Zeeuw, P.T.**, Khochfar, S., **Kuntschner, H.**, **Lablanche, P.-Y.**, McDermid, R.M., Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Scott, N., Serra, P., Weijmans, A.-M., Young, L.M., 2011, MNRAS, 414, 2923 [\[ADS\]](#)

### **Submillimeter Array/Plateau de Bure Interferometer Multiple Line Observations of the Nearby Seyfert 2 Galaxy NGC 1068: Shock-related Gas Kinematics and Heating in the Central 100 pc?**

Krips, M., **Martín, S.**, Eckart, A., Neri, R., García-Burillo, S., Matsushita, S., Peck, A., Stoklasová, I., Petitpas, G., Usero, A., Combes, F., Schinnerer, E., **Humphreys, L.**, & Baker, A.J., 2011, ApJ, 736, 37 [\[ADS\]](#)

### **Lyman alpha emission from the first galaxies: implications of UV backgrounds and the formation of molecules**

Latif, M.A., **Schleicher, D.R.G.**, Spaans, M., & Zaroubi, S., 2011, A&A, 532, 66 [\[ADS\]](#)

### **PACS Evolutionary Probe (PEP) - A Herschel key program**

Lutz, D., Poglitsch, A., Altieri, B., **Andreani, P.**, Aussel, H., Berta, S., Bongiovanni, A., Brisbin, D., Cava, A., Cepa, J., Cimatti, A., Daddi, E., Dominguez-Sanchez, H., Elbaz, D., Förster Schreiber, N.M., Genzel, R., Grazian, A., Gruppioni, C., Harwit, M., Le Floc'h, E., Magdis, G., Magnelli, B., Maiolino, R., Nordon, R., Pérez García, A.M., Popesso, P., Pozzi, F., Riguccini, L., Rodighiero, G., Saintonge, A., Sanchez Portal, M., Santini, P., Shao, L., Sturm, E., Tacconi, L.J., Valtchanov, I., Wetzstein, M., & Wieprecht, E., 2011, A&A, 532, 90 [\[ADS\]](#)

### **Families of dynamically hot stellar systems over 10 orders of magnitude in mass**

**Misgeld, I.**, & **Hilker, M.**, 2011, MNRAS, 414, 3699 [\[ADS\]](#)

### **Are small-scale substructures a universal property of galaxy haloes? The case of the giant elliptical NGC 5128**

Mouhcine, M., Ibata, R., & **Rejkuba, M.**, 2011, MNRAS, 415, 993 [\[ADS\]](#)

### **First Kepler results on compact pulsators - VI. Targets in the final half of the survey phase**

Østensen, R.H., Silvotti, R., Charpinet, S., Oreiro, R., Bloemen, S., Baran, A.S., Reed, M.D., Kawaler, S.D., Telting, J.H., Green, E.M., O'Toole, S.J., Aerts, C., Gänsicke, B.T., Marsh, T.R., Breedt, E., Heber, U., Koester, D., Quint, A.C., Kurtz, D.W., Rodríguez-López, C., **Vučković, M.**, Ottosen, T.A., Frimann, S., Somero, A., Wilson, P.A.,

Thygesen, A.O., Lindberg, J.E., Kjeldsen, H., Christensen-Dalsgaard, J., Allen, C., McCaulliff, S., & Middour, C.K., 2011, MNRAS, 414, 2860 [[ADS](#)]

#### **At Last—A V777 Her Pulsator in the Kepler Field**

Østensen, R.H., Bloemen, S., **Vučković, M.**, Aerts, C., Oreiro, R., Kinemuchi, K., Still, M., & Koester, D., 2011, ApJ, 736, L39 [[ADS](#)]

#### **COLD GASS, an IRAM legacy survey of molecular gas in massive galaxies - I. Relations between H<sub>2</sub>, H I, stellar content and structural properties**

Saintonge, A., Kauffmann, G., Kramer, C., Tacconi, L.J., Buchbender, C., Catinella, B., Fabello, S., Graciá-Carpio, J., Wang, J., **Cortese, L.**, Fu, J., Genzel, R., Giovanelli, R., Guo, Q., Haynes, M.P., Heckman, T.M., Krumholz, M.R., Lemonias, J., Li, C., Moran, S., Rodriguez-Fernandez, N., Schiminovich, D., Schuster, K., & Sievers, A., 2011, MNRAS, 415, 32 [[ADS](#)]

#### **COLD GASS, an IRAM legacy survey of molecular gas in massive galaxies - II. The non-universality of the molecular gas depletion time-scale**

Saintonge, A., Kauffmann, G., Wang, J., Kramer, C., Tacconi, L.J., Buchbender, C., Catinella, B., Graciá-Carpio, J., **Cortese, L.**, Fabello, S., Fu, J., Genzel, R., Giovanelli, R., Guo, Q., Haynes, M.P., Heckman, T.M., Krumholz, M.R., Lemonias, J., Li, C., Moran, S., Rodriguez-Fernandez, N., Schiminovich, D., Schuster, K., & Sievers, A., 2011, MNRAS, 415, 61 [[ADS](#)]

#### **Direct measurement of the magnification produced by galaxy clusters as gravitational lenses**

Sonnenfeld, A., Bertin, G., & **Lombardi, M.**, 2011, A&A, 532, 37 [[ADS](#)]

#### **The hierarchical build-up of the Tully-Fisher relation**

Tonini, C., Maraston, C., **Ziegler, B.**, Böhm, A., Thomas, D., Devriendt, J., & Silk, J., 2011, MNRAS, 415, 811 [[ADS](#)]

#### **The Brightest Gamma-Ray Flaring Blazar in the Sky: AGILE and Multi-wavelength Observations of 3C 454.3 During 2010 November**

Vercellone, S., Striani, E., Vittorini, V., Donnarumma, I., Pacciani, L., Pucella, G., Tavani, M., Raiteri, C.M., Villata, M., Romano, P., Flocchi, M., Bazzano, A., Bianchin, V., Ferrigno, C., Maraschi, L., **Pian, E.**, Türler, M., Ubertini, P., Bulgarelli, A., Chen, A.W., Giuliani, A., Longo, F., Barbiellini, G., Cardillo, M., Cattaneo, P.W., Del Monte, E., Evangelista, Y., Feroci, M., Ferrari, A., Fuschino, F., Gianotti, F., Giusti, M., Lazzarotto, F., Pellizzoni, A., Piano, G., Pilia, M., Rapisarda, M., Rappoldi, A., Sabatini, S., Soffitta, P., Trifoglio, M., Trois, A., Giommi, P., Lucarelli, F., Pittori, C., Santolamazza, P., Verrecchia, F., Agudo, I., Aller, H.D., Aller, M.F., Arkharov, A.A., Bach, U., Berdyugin, A., Borman, G.A., Chigladze, R., Efimov, Y.S., Efimova, N.V., Gómez, J.L., Gurwell, M.A., McHardy, I.M., Joshi, M., Kimeridze, G.N., Krajci, T., Kurtanidze, O.M., Kurtanidze, S.O., Larionov, V.M., Lindfors, E., Molina, S.N., Morozova, D.A., Nazarov, S.V., Nikolashvili, M.G., Nilsson, K., Pasanen, M., Reinthal, R., Ros, J.A., Sadun, A.C., Sakamoto, T., Sallum, S., Sergeev, S.G., Schwartz, R.D., Sigua, L.A., Sillanpää, A., Sokolovsky, K.V., Strelitski, V., Takalo, L., Taylor, B., & Walker, G., 2011, ApJ, 736, L38 [[ADS](#)]

#### **GAMA/H-ATLAS: the ultraviolet spectral slope and obscuration in galaxies**

Wijesinghe, D.B., da Cunha, E., Hopkins, A.M., Dunne, L., Sharp, R., Gunawardhana, M., Brough, S., Sadler, E.M., Driver, S., Baldry, I., Bamford, S., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J., Popescu, C.C., Tuffs, R., Andrae, E., Auld, R., Baes, M., Bland-Hawthorn, J., Buttiglione, S., Cava, A., Cameron, E., Conselice, C.J., Cooray, A., Croom, S., Dariush, A., Dezotti, G., Dye, S., Eales, S., Frenk, C., Fritz, J., Hill, D., Hopwood, R., Ibar, E., Ivison, R., Jarvis, M., Jones, D.H., **van Kampen, E.**, Kelvin, L., Kuijken, K., Maddox, S.J., Madore, B., Michałowski, M.J., Nichol, B., Parkinson, H., Pascale, E., Pimbblet, K.A., Pohlen, M., Prescott, M., Rhodighiero, G., Robotham, A.S.G., Rigby, E.E., Seibert, M., Sergeant, S., Smith, D.J.B., Temi, P., Sutherland, W., Taylor, E., Thomas, D., & van der Werf, P., 2011, MNRAS, 415, 1002 [[ADS](#)]

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