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Cosmology

[Enhanced \[CII\] emission in a \$z = 4.76\$ submillimetre galaxy](#)

De Breuck, C., Maiolino, R., Caselli, P., Coppin, K., Hailey-Dunsheath, S., & Nagao, T., 2011, A&A, 530, L8 [[ADS](#)]
Instruments: SHFI

[An Analysis of the Pulsating Star SDSS J160043.6+074802.9 Using New Non-LTE Model Atmospheres and Spectra for Hot O Subdwarfs](#)

Latour, M., Fontaine, G., Brassard, P., Green, E.M., Chayer, P., & **Randall, S.K.**, 2011, ApJ, 733, 100 [[ADS](#)]
Instruments: EMMI

[Connecting RS Ophiuchi to \[some\] type Ia supernovae](#)

Patat, F., Chugai, N.N., Podsiadlowski, P., **Mason, E.**, **Melo, C.**, & **Pasquini, L.**, 2011, A&A, 530, 63 [[ADS](#)]
Instruments: FEROS2.2

[Accretion Rate and the Physical Nature of Unobscured Active Galaxies](#)

Trump, J.R., Impey, C.D., Kelly, B.C., Civano, F., Gabor, J.M., Diamond-Stanic, A.M., Merloni, A., Urry, C.M., Hao, H., Jahnke, K., Nagao, T., Taniguchi, Y., Koekemoer, A.M., Lanzuisi, G., Liu, C., **Mainieri, V.**, Salvato, M., & Scoville, N.Z., 2011, ApJ, 733, 60 [[ADS](#)]
Instruments: VIMOS

Galaxies and Galactic Nuclei

[A close look at the Centaurus A group of galaxies. II. Intermediate-age populations in early-type dwarfs](#)

Crnojević, D., **Rejkuba, M.**, Grebel, E.K., da Costa, G., & Jerjen, H., 2011, A&A, 530, 58 [[ADS](#)]
Instruments: ISAAC

[Alpha element abundances and gradients in the Milky Way bulge from FLAMES-GIRAFFE spectra of 650 K giants](#)

Gonzalez, O.A., **Rejkuba, M.**, Zoccali, M., Hill, V., **Battaglia, G.**, Babusiaux, C., **Minniti, D.**, Barbuy, B., Alves-Brito, A., Renzini, A., Gomez, A., & Ortolani, S., 2011, A&A, 530, 54 [[ADS](#)]
Instruments: UVES, FLAMES-GIRAFFE

[The Edge of the Milky Way Stellar Disk Revealed Using Clump Giant Stars as Distance Indicators](#)

Minniti, D., Saito, R.K., Alonso-García, J., Lucas, P.W., & Hempel, M., 2011, ApJ, 733, L43 [[ADS](#)]
Instruments: VIRCAM

Interstellar Medium, Star Formation and Planetary Systems

[A ground-based KS-band detection of the thermal emission from the transiting exoplanet WASP-4b](#)

Cáceres, C., **Ivanov, V.D.**, Minniti, D., Burrows, A., **Selman, F.**, **Melo, C.**, Naef, D., Mason, E., & Pietrzynski, G., 2011, A&A, 530, 5 [[ADS](#)]
Instruments: ISAAC

[Water Depletion in the Disk Atmosphere of Herbig AeBe Stars](#)

Fedele, D., Pascucci, I., Brittain, S., Kamp, I., Woitke, P., Williams, J.P., **Dent, W.R.F.**, & Thi, W.-F., 2011, ApJ, 732, 106 [[ADS](#)]
Instruments: CRILES

High resolution spectroscopy of Pluto's atmosphere: detection of the 2.3 μ m CH₄ bands and evidence for carbon monoxide

Lellouch, E., de Bergh, C., Sicardy, B., Käufel, H.U., & Smette, A., 2011, A&A, 530, L4 [[ADS](#)]
Instruments: CRIRES

The Structure and Dynamics of Molecular Gas in Planet-forming Zones: A CRIRES Spectro-astrometric Survey

Pontoppidan, K.M., Blake, G.A., & Smette, A., 2011, ApJ, 733, 84 [[ADS](#)]
Instruments: CRIRES

Stellar Evolution

The VLT-FLAMES Tarantula Survey. III. A very massive star in apparent isolation from the massive cluster R136

Bestenlehner, J.M., Vink, J.S., Gräfener, G., Najarro, F., Evans, C.J., Bastian, N., Bonanos, A.Z., Bressert, E., Crowther, P.A., Doran, E., Friedrich, K., Hénault-Brunet, V., Herrero, A., de Koter, A., Langer, N., Lennon, D.J., Maíz Apellániz, J., Sana, H., Soszynski, I., & Taylor, W.D., 2011, A&A, 530, L14 [[ADS](#)]
Instruments: FLAMES-GIRAFFE

X-ray illumination of the ejecta of supernova 1987A

Larsson, J., Fransson, C., Östlin, G., Gröningsson, P., Jerkstrand, A., Kozma, C., Sollerman, J., Challis, P., Kirshner, R.P., Chevalier, R.A., Heng, K., McCray, R., Suntzeff, N.B., Bouchet, P., Crotts, A., Danziger, J., Dwek, E., France, K., Garnavich, P.M., Lawrence, S.S., Leibundgut, B., Lundqvist, P., Panagia, N., Pun, C.S.J., Smith, N., Sonneborn, G., Wang, L., & Wheeler, J.C., 2011, Natur, 474, 484 [[ADS](#)]
Instruments: UVES

Massive Stars in the Cl 1813-178 Cluster: An Episode Of Massive Star Formation in the W33 Complex

Messineo, M., Davies, B., Figer, D.F., Kudritzki, R.P., Valenti, E., Trombly, C., Najarro, F., & Rich, R.M., 2011, ApJ, 733, 41 [[ADS](#)]
Instruments: SOFI

Papers without ESO data

Variable X-ray emission from the accretion shock in the classical T Tauri star V2129 Ophiuchi

Argiroffi, C., Flaccomio, E., Bouvier, J., Donati, J.-F., Getman, K.V., Gregory, S.G., Hussain, G.A.J., Jardine, M.M., Skelly, M.B., Walter, F.M., 2011, A&A, 530, 1 [[ADS](#)]

Discovery of a Faint X-Ray Counterpart and a Parsec-long X-Ray Tail for the Middle-aged, γ -Ray-only Pulsar PSR J0357+3205

De Luca, A., Marelli, M., Mignani, R.P., Caraveo, P.A., Hummel, W., Collins, S., Shearer, A., Saz Parkinson, P.M., Belfiore, A., & Bignami, G.F., 2011, ApJ, 733, 104 [[ADS](#)]

Galaxy and Mass Assembly (GAMA): survey diagnostics and core data release

Driver, S.P., Hill, D.T., Kelvin, L.S., Robotham, A.S.G., Liske, J., Norberg, P., Baldry, I.K., Bamford, S.P., Hopkins, A.M., Loveday, J., Peacock, J.A., Andrae, E., Bland-Hawthorn, J., Brough, S., Brown, M.J.I., Cameron, E., Ching, J.H.Y., Colless, M., Conselice, C.J., Croom, S.M., Cross, N.J.G., de Propris, R., Dye, S., Drinkwater, M.J., Ellis, S., Graham, A.W., Grootes, M.W., Gunawardhana, M., Jones, D.H., van Kampen, E., Maraston, C., Nichol, R.C., Parkinson, H.R., Philipps, S., Pimbblet, K., Popescu, C.C., Prescott, M., Roseboom, I.G., Sadler, E.M., Sansom, A.E., Sharp, R.G., Smith, D.J.B., Taylor, E., Thomas, D., Tuffs, R.J., Wijesinghe, D., Dunne, L., Frenk, C.S., Jarvis, M.J., Madore, B.F., Meyer, M.J., Seibert, M., Staveley-Smith, L., Sutherland, W.J., & Warren, S.J., 2011, MNRAS, 413, 971 [[ADS](#)]

UWISH2 - the UKIRT Widefield Infrared Survey for H₂

Froebrich, D., Davis, C.J., Ioannidis, G., Gledhill, T.M., Takami, M., Chrysostomou, A., Drew, J., Eislöffel, J., Gosling, A., Gredel, R., Hatchell, J., Hodapp, K.W., Kumar, M.S.N., Lucas, P.W., Matthews, H., Rawlings, M.G., Smith, M.D., Stecklum, B., Varricatt, W.P., Lee, H.T., Teixeira, P.S., Aspin, C., Khanzadyan, T., Karr, J., Kim, H.-J., Koo, B.-C., Lee, J.J., Lee, Y.-H., Magakian, T.Y., Movsessian, T.A., Nikogossian, E.H., Pyo, T.S., Stanke, T., 2011, MNRAS, 413, 480 [[ADS](#)]

Searching for an intermediate-mass black hole in the blue compact dwarf galaxy MRK 996

Georgakakis, A., Tsamis, Y.G., James, B.L., & Aloisi, A., 2011, MNRAS, 413, 1729 [[ADS](#)]

Alpha Enhancement and the Metallicity Distribution Function of Plaut's Window

Johnson, C.I., Rich, R.M., Fulbright, J.P., **Valenti, E.**, & McWilliam, A., 2011, ApJ, 732, 108 [[ADS](#)]

High resolution CO observation of massive star forming regions

Klaassen, P.D., Wilson, C.D., Keto, E.R., Zhang, Q., Galván-Madrid, R., & Liu, H.-Y.B., 2011, A&A, 530, 53 [[ADS](#)]

The Hubble Legacy Archive ACS grism data

Kümmel, M., Rosati, P., Fosbury, R., Haase, J., Hook, R.N., Kuntschner, H., Lombardi, M., Micol, A., Nilsson, K.K., Stoehr, F., & Walsh, J.R., 2011, A&A, 530, 86 [[ADS](#)]

Ysovar: The First Sensitive, Wide-area, Mid-infrared Photometric Monitoring of the Orion Nebula Cluster

Morales-Calderón, M., Stauffer, J.R., Hillenbrand, L.A., Gutermuth, R., Song, I., Rebull, L.M., Plavchan, P., Carpenter, J.M., Whitney, B.A., Covey, K., Alves de Oliveira, C., Winston, E., McCaughrean, M.J., Bouvier, J., **Guieu, S.**, Vrba, F.J., Holtzman, J., Marchis, F., Hora, J.L., Wasserman, L.H., Terebey, S., Megeath, T., Guinan, E., Forbrich, J., Huélamo, N., Riviere-Marichalar, P., Barrado, D., Stapelfeldt, K., Hernández, J., Allen, L.E., Ardila, D.R., **Bayo, A.**, Favata, F., James, D., Werner, M., & Wood, K., 2011, ApJ, 733, 50 [[ADS](#)]

Two-dimensional H α kinematics of bulgeless disc galaxies

Neumayer, N., Walcher, C.J., Andersen, D., Sánchez, S.F., Böker, T., & Rix, H.-W., 2011, MNRAS, 413, 1875 [[ADS](#)]

Imaging the Molecular Gas Properties of a Major Merger Driving the Evolution of a $z = 2.5$

Submillimeter Galaxy

Riechers, D.A., Carilli, L.C., Walter, F., Weiss, A., **Wagg, J.**, Bertoldi, F., Downes, D., Henkel, C., & Hodge, J., 2011, ApJ, 733, L11 [[ADS](#)]

HerMES: SPIRE emission from radio-selected active galactic nuclei

Seymour, N., Symeonidis, M., Page, M.J., Amblard, A., Arumugam, V., Aussel, H., Blain, A., Bock, J., Boselli, A., Buat, V., Castro-Rodríguez, N., Cava, A., Chanical, P., Clements, D.L., Conley, A., Conversi, L., Cooray, A., Dowell, C.D., Dwek, E., Eales, S., Elbaz, D., Franceschini, A., Glenn, J., Solares, E.A.G., Griffin, M., **Hatziminaoglou, E.**, Ibar, E., Isaak, K., Ivison, R.J., Lagache, G., Levenson, L., Lu, N., Madden, S., Maffei, B., Mainetti, G., Marchetti, L., Nguyen, H.T., O'Halloran, B., Oliver, S.J., Omont, A., Panuzzo, P., Papageorgiou, A., Pearson, C.P., Pérez-Fournon, I., Pohlen, M., Rawlings, J.I., Rizzo, D., Roseboom, I.G., Rowan-Robinson, M., Schulz, B., Scott, D., Shupe, D.L., Smith, A.J., Stevens, J.A., Trichas, M., Tugwell, K.E., Vaccari, M., Valtchanov, I., Vigroux, L., Wang, L., Wright, G., Xu, C.K., & Zemcov, M., 2011, MNRAS, 413, 1777 [[ADS](#)]

The lower limits of disc fragmentation and the prospects for observing fragmenting discs

Stamatellos, D., **Maury, A.**, Whitworth, A., & André, P., 2011, MNRAS, 413, 1787 [[ADS](#)]

The He-rich stripped-envelope core-collapse supernova 2008ax

Taubenberger, S., Navasardyan, H., Maurer, J.I., Zampieri, L., Chugai, N.N., Benetti, S., Agnoletto, I., Bufano, F., Elias-Rosa, N., Turatto, M., **Patat, F.**, Cappellaro, E., Mazzali, P.A., Iijima, T., Valenti, S., Harutyunyan, A., Claudi, R., & Dolci, M., 2011, MNRAS, 413, 2140 [[ADS](#)]

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