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### Cosmology

#### [CLASH-VLT: The mass, velocity-anisotropy, and pseudo-phase-space density profiles of the \$z = 0.44\$ galaxy cluster MACS J1206.2-0847](#)

Biviano, A., **Rosati, P.**, Balestra, I., Mercurio, A., Girardi, M., Nonino, M., Grillo, C., Scodreggio, M., Lemze, D., Kelson, D., Umetsu, K., Postman, M., Zitrin, A., Czoske, O., Ettori, S., Fritz, A., Lombardi, M., Maier, C., Medezinski, E., Mei, S., Presotto, V., Strazzullo, V., Tozzi, P., Ziegler, B., Annunziatella, M., Bartelmann, M., Benitez, N., Bradley, L., Brescia, M., Broadhurst, T., Coe, D., Demarco, R., Donahue, M., Ford, H., Gobat, R., Graves, G., Koekemoer, A., Kuchner, U., Melchior, P., Meneghetti, M., Merten, J., Moustakas, L., Munari, E., Regós, E., Sartoris, B., Seitz, S., & Zheng, W., 2013, A&A, 558, 1 [[ADS](#)]

*Instruments:* VIMOS, VIMOS, VIMOS

#### [An investigation of the line of sight towards QSO PKS 0237-233](#)

Fathivavsari, H., Petitjean, P., **Ledoux, C.**, Noterdaeme, P., Srianand, R., Rahmani, H., & Ajabshirizadeh, A., 2013, MNRAS, 435, 1727 [[ADS](#)]

*Instruments:* UVES

#### [A large-scale galaxy structure at \$z = 2.02\$ associated with the radio galaxy MRC0156-252](#)

Galametz, A., Stern, D., Pentericci, L., **De Breuck, C.**, **Vernet, J.**, **Wylezalek, D.**, Fassbender, R., Hatch, N., Kurk, J., Overzier, R., Rettura, A., & Seymour, N., 2013, arXiv, 1309, 6645 [[ADS](#)]

*Instruments:* FORS2

#### [Spot the difference. Impact of different selection criteria on observed properties of passive galaxies in zCOSMOS-20k sample](#)

Moresco, M., Pozzetti, L., Cimatti, A., Zamorani, G., Bolzonella, M., Lamareille, F., Mignoli, M., Zucca, E., Lilly, S.J., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fèvre, O., **Mainieri, V.**, Renzini, A., Scodreggio, M., Bardelli, S., Bongiorno, A., Caputi, K., Cucchiati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kampczyk, P., Knobel, C., Kovač, K., Le Borgne, J.-F., Le Brun, V., Maier, C., Pelló, R., Peng, Y., Perez-Montero, E., Presotto, V., Silverman, J.D., Tanaka, M., Tasca, L., Tresse, L., Vergani, D., Barnes, L., Bordoloi, R., Cappi, A., Diener, C., Koekemoer, A.M., Le Floc'h, E., López-Sanjuan, C., McCracken, H.J., Nair, P., Oesch, P., Scarlata, C., Scoville, N., Welikala, N., 2013, A&A, 558, 61 [[ADS](#)]

*Instruments:* VIMOS

#### [The Evolution of the Stellar Mass Functions of Star-forming and Quiescent Galaxies to \$z = 4\$ from the COSMOS/UltraVISTA Survey](#)

Muzzin, A., Marchesini, D., Stefanon, M., Franx, M., McCracken, H.J., Milvang-Jensen, B., Dunlop, J.S., Fynbo, J.P.U., **Brammer, G.**, Labbé, I., & van Dokkum, P.G., 2013, ApJ, 777, 18 [[ADS](#)]

*Instruments:* VIRCAM

#### [Lyman Break and ultraviolet-selected galaxies at \$z \sim 1\$ - II. PACS 100 \$\mu\text{m}\$ /160 \$\mu\text{m}\$ FIR detections](#)

Oteo, I., Magdis, G., Bongiovanni, Á., Pérez-García, A.M., Cepa, J., Cedrés, B., Ederoclite, A., Sánchez-Portal, M., Aguerri, J.A.L., Alfaro, E.J., Altieri, B., **Andreani, P.**, Aparicio-Villegas, T., Aussel, H., Benitez, N., Berta, S., Broadhurst, T., Cabrera-Caño, J., Castander, F.J., Cerviño, M., Cimatti, A., Cristobal-Hornillos, D., Daddi, E., Elbaz, D., Fernandez-Soto, A., Schreiber, N.F., Genzel, R., Gonzalez-Delgado, R.M., Husillos, C., Infante, L., Le Floc'h, E., Lutz, D., Magnelli, B., Maiolino, R., Márquez, I., Martínez, V.J., Masegosa, J., Matute, I., Moles, M., Molino, A., Olmo, A.d., Perea, J., Pérez-Martínez, R., Pintos-Castro, I., Poglitsch, A., Polednikova, J., Popesso, P., Povič, M., Pozzi, F., Prada, F., Quintana, J.M., Riguccini, L., Sturm, E., Tacconi, L., Valtchanov, I., & Viironen, K., 2013, MNRAS, 435, 158 [[ADS](#)]

*Instruments:* VIMOS

[The UVES large program for testing fundamental physics - II. Constraints on a change in  \$\mu\$  towards quasar HE 0027-1836](#)

Rahmani, H., Wendt, M., Srianand, R., Noterdaeme, P., Petitjean, P., Molaro, P., Whitmore, J.B., Murphy, M.T., Centurion, M., Fathivavsari, H., **D'Odorico, S.**, Evans, T.M., Levshakov, S.A., Lopez, S., Martins, C.J.A.P., Reimers, D., & Vladilo, G., 2013, MNRAS, 435, 861 [\[ADS\]](#)

*Instruments:* UVES

## Galaxies and Galactic Nuclei

[VVV Survey Near-infrared Photometry of Known Bulge RR Lyrae Stars: The Distance to the Galactic Center and Absence of a Barred Distribution of the Metal-poor Population](#)

Dékány, I., Minniti, D., Catelan, M., Zoccali, M., Saito, R.K., Hempel, M., & **Gonzalez, O.A.**, 2013, ApJ, 776, L19 [\[ADS\]](#)

*Instruments:* VIRCAM

[Hot subdwarf stars in close-up view. IV. Helium abundances and the 3He isotopic anomaly of subdwarf B stars](#)

**Geier, S.**, Heber, U., Edelmann, H., Morales-Rueda, L., Kilkeny, D., O'Donoghue, D., Marsh, T.R., & Copperwheat, C., 2013, A&A, 557, 122 [\[ADS\]](#)

*Instruments:* FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2

## Interstellar Medium, Star Formation and Planetary Systems

[The VLTI/MIDI survey of massive young stellar objects . Sounding the inner regions around intermediate- and high-mass young stars using mid-infrared interferometry](#)

Boley, P.A., Linz, H., van Boekel, R., Henning, T., Feldt, M., Kaper, L., Leinert, C., **Müller, A.**, Pascucci, I., Robberto, M., Stecklum, B., Waters, L.B.F.M., & Zinnecker, H., 2013, A&A, 558, 24 [\[ADS\]](#)

*Instruments:* MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI, MIDI

[A Combined Very Large Telescope and Gemini Study of the Atmosphere of the Directly Imaged Planet,  \$\beta\$  Pictoris b](#)

Currie, T., Burrows, A., Madhusudhan, N., Fukagawa, M., **Girard, J.H.**, Dawson, R., Murray-Clay, R., Kenyon, S., Kuchner, M., Matsumura, S., Jayawardhana, R., Chambers, J., & Bromley, B., 2013, ApJ, 776, 15 [\[ADS\]](#)

*Instruments:* NACO

[Orbits and masses in the young triple system TWA 5](#)

Köhler, R., Ratzka, T., **Petr-Gotzens, M.G.**, & Correia, S., 2013, A&A, 558, 80 [\[ADS\]](#)

*Instruments:* NACO, NACO, NACO, NACO, NACO, NACO, NACO

[Accurate determination of accretion and photospheric parameters in young stellar objects: The case of two candidate old disks in the Orion Nebula Cluster](#)

**Manara, C.F.**, **Beccari, G.**, Da Rio, N., De Marchi, G., Natta, A., Ricci, L., Robberto, M., & **Testi, L.**, 2013, A&A, 558, 114 [\[ADS\]](#)

*Instruments:* X-SHOOTER, X-SHOOTER, X-SHOOTER

[Physical Characteristics of G331.5-0.1: The Luminous Central Region of a Giant Molecular Cloud](#)

Merello, M., Bronfman, L., Garay, G., **Nyman, L.-Å.**, Evans, N.J.I., Walmsley, C.M., 2013, ApJ, 774, 38 [\[ADS\]](#)

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

[Reanalysis of the FEROS observations of HIP 11952](#)

**Müller, A.**, Roccatagliata, V., Henning, T., Fedele, D., Pasquali, A., Caffau, E., Rodríguez-Ledesma, M.V., Mohler-Fischer, M., Seemann, U., & Klement, R.J., 2013, A&A, 556, 3 [\[ADS\]](#)

*Instruments:* FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2, FEROS2.2, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS, HARPS

[The Gemini Planet-finding Campaign: The Frequency Of Giant Planets around Debris Disk Stars](#)

**Wahhaj, Z.**, Liu, M.C., Nielsen, E.L., Biller, B.A., Hayward, T.L., Close, L.M., Males, J.R., Skemer, A., Ftaclas, C., Chun, M., Thatte, N., Tecza, M., Shkolnik, E.L., Kuchner, M., Reid, I.N., de Gouveia Dal Pino, E.M., Alencar, S.H.P., Gregorio-Hetem, J., Boss, A., Lin, D.N.C., & Toomey, D.W., 2013, ApJ, 773, 179 [\[ADS\]](#)

*Instruments:* NACO, NACO, NACO, NACO

### [Optical IFU observations of gas pillars surrounding the super star cluster NGC 3603](#)

Westmoquette, M.S., Dale, J.E., Ercolano, B., & Smith, L.J., 2013, MNRAS, 435, 30 [\[ADS\]](#)  
*Instruments:* FLAMES-GIRAFFE, FLAMES-GIRAFFE

## Stellar Evolution

### [NGC 362: another globular cluster with a split red giant branch](#)

Carretta, E., Bragaglia, A., Gratton, R.G., Lucatello, S., D'Orazi, V., Bellazzini, M., Catanzaro, G., Leone, F., Momany, Y., & Sollima, A., 2013, A&A, 557, 138 [\[ADS\]](#)  
*Instruments:* FLAMES-UV, FLAMES-GIRAFFE

### [Hydrogen and helium in the spectra of Type Ia supernovae](#)

Lundqvist, P., Mattila, S., Sollerman, J., Kozma, C., Baron, E., Cox, N.L.J., Fransson, C., Leibundgut, B., & Spyromilio, J., 2013, MNRAS, 435, 329 [\[ADS\]](#)  
*Instruments:* FORS1, FORS1, ISAAC, UVES, UVES, SOFI

### [Twenty-five Subarcsecond Binaries Discovered by Lunar Occultations](#)

Richichi, A., Fors, O., Cusano, F., & Moerchen, M., 2013, AJ, 146, 59 [\[ADS\]](#)  
*Instruments:* ISAAC, ISAAC, ISAAC

### [The obscured hyper-energetic GRB 120624B hosted by a luminous compact galaxy at \$z = 2.20\$](#)

de Ugarte Postigo, A., Campana, S., Thöne, C.C., D'Avanzo, P., Sánchez-Ramírez, R., Melandri, A., Gorosabel, J., Ghirlanda, G., Veres, P., Martín, S., Petitpas, G., Covino, S., Fynbo, J.P.U., & Levan, A.J., 2013, A&A, 557, L18 [\[ADS\]](#)  
*Instruments:* HAWK-I, HAWK-I, X-SHOOTER, VIS\_GROND

## Miscellaneous

### [Galactic abundance gradients from Cepheids. \$\alpha\$ and heavy elements in the outer disk](#)

Lemasle, B., François, P., Genovali, K., Kovtyukh, V.V., Bono, G., Inno, L., Laney, C.D., Kaper, L., Bergemann, M., Fabrizio, M., Matsunaga, N., Pedicelli, S., Primas, F., & Romaniello, M., 2013, A&A, 558, 31 [\[ADS\]](#)  
*Instruments:* FEROS2.2

### [Probing the jet base of the blazar PKS1830-211 from the chromatic variability of its lensed images.](#)

#### [Serendipitous ALMA observations of a strong gamma-ray flare](#)

Marti-Vidal, I., Muller, S., Combes, F., Aalto, S., Beelen, A., Darling, J., Guelin, M., Henkel, C., Horellou, C., Marcaide, J.M., Martín, S., Menten, K.M., Dinh-V-Trung, D.-V.-T., Zwaan, M., 2013, arXiv, 1309, 638 [\[ADS\]](#)  
*Instruments:* ALMA\_Bands

## Papers without ESO data

### [Galaxy And Mass Assembly \(GAMA\): linking star formation histories and stellar mass growth](#)

Bauer, A.E., Hopkins, A.M., Gunawardhana, M., Taylor, E.N., Baldry, I., Bamford, S.P., Bland-Hawthorn, J., Brough, S., Brown, M.J.I., Cluver, M.E., Colless, M., Conselice, C.J., Croom, S., Driver, S., Foster, C., Jones, D.H., Lara-Lopez, M.A., Liske, J., López-Sánchez, Á.R., Loveday, J., Norberg, P., Owers, M.S., Pimbblet, K., Robotham, A., Sansom, A.E., & Sharp, R., 2013, MNRAS, 434, 209 [\[ADS\]](#)

### [Deep Multi-telescope Photometry of NGC 5466. I. Blue Stragglers and Binary Systems](#)

Beccari, G., Dalessandro, E., Lanzoni, B., Ferraro, F.R., Sollima, A., Bellazzini, M., & Micocchi, P., 2013, ApJ, 776, 60 [\[ADS\]](#)

### [Galaxy And Mass Assembly: resolving the role of environment in galaxy evolution](#)

Brough, S., Croom, S., Sharp, R., Hopkins, A.M., Taylor, E.N., Baldry, I.K., Gunawardhana, M.L.P., Liske, J., Norberg, P., Robotham, A.S.G., Bauer, A.E., Bland-Hawthorn, J., Colless, M., Foster, C., Kelvin, L.S., Lara-Lopez, M.A., López-Sánchez, Á.R., Loveday, J., Owers, M., Pimbblet, K.A., & Prescott, M., 2013, MNRAS, 435, 2903 [\[ADS\]](#)

### [UB CCD Photometry of the Old, Metal-rich, Open Clusters NGC 6791, NGC 6819, and NGC 7142](#)

Carraro, G., Buzzoni, A., Bertone, E., & Buson, L., 2013, AJ, 146, 128 [\[ADS\]](#)

### **X-Ray Nuclear Activity in S4G Barred Galaxies: No Link between Bar Strength and Co-occurrent Supermassive Black Hole Fueling**

Cisternas, M., **Gadotti, D.A.**, Knapen, J.H., **Kim, T.**, Díaz-García, S., Laurikainen, E., Salo, H., González-Martín, O., Ho, L.C., Elmegreen, B.G., Zaritsky, D., Sheth, K., Athanassoula, E., Bosma, A., Comerón, S., Erroz-Ferrer, S., Gil de Paz, A., Hinz, J.L., Holwerda, B.W., Laine, J., Meidt, S., Menéndez-Delmestre, K., Mizusawa, T., Muñoz-Mateos, J.C., Regan, M.W., & Seibert, M., 2013, *ApJ*, 776, 50 [[ADS](#)]

### **The Software Package for Astronomical Reductions with KMOS: SPARK**

Davies, R.I., Agudo Berbel, A., Wiezorrek, E., Cirasuolo, M., Förster Schreiber, N.M., **Jung, Y.**, Muschelok, B., Ott, T., **Ramsay, S.**, Schlichter, J., Sharples, R., & Wegner, M., 2013, *A&A*, 558, 56 [[ADS](#)]

### **The XMM-Newton Wide Angle Survey (XWAS)**

Esquej, P., Page, M., Carrera, F.J., Mateos, S., Tedds, J., Watson, M.G., Corral, A., Ebrero, J., **Krumpe, M.**, Rosen, S.R., Ceballos, M.T., Schwobe, A., Page, C.G., Alonso-Herrero, A., Caccianiga, A., Della Ceca, R., González-Martín, O., Lamer, G., & Severgnini, P., 2013, *A&A*, 557, 123 [[ADS](#)]

### **Constraints on black hole fuelling modes from the clustering of X-ray AGN**

Fanidakis, N., Georgakakis, A., Mountrichas, G., **Krumpe, M.**, Baugh, C.M., Lacey, C.G., Frenk, C.S., Miyaji, T., & Benson, A.J., 2013, *MNRAS*, 435, 679 [[ADS](#)]

### **The SLUGGS survey: outer triaxiality of the fast rotator elliptical NGC 4473**

**Foster, C.**, Arnold, J.A., Forbes, D.A., Pastorello, N., Romanowsky, A.J., Spitler, L.R., Strader, J., & Brodie, J.P., 2013, *MNRAS*, 435, 3587 [[ADS](#)]

### **The Berlin Exoplanet Search Telescope II Catalog of Variable Stars. I. Characterization of Three Southern Target Fields**

Fruth, T., Cabrera, J., Chini, R., Csizmadia, S., Dreyer, C., Eig Müller, P., Erikson, A., **Kabath, P.**, Kirste, S., Lemke, R., Murphy, M., Pasternacki, T., Rauer, H., & Titz-Weider, R., 2013, *AJ*, 146, 136 [[ADS](#)]

### **Earthshine observations at high spectral resolution: exploring and detecting metal lines in the Earth's upper atmosphere**

González-Merino, B., Pallé, E., **Motalebi, F.**, Montañés-Rodríguez, P., & Kissler-Patig, M., 2013, *MNRAS*, 435, 2574 [[ADS](#)]

### **Galaxy And Mass Assembly: evolution of the H $\alpha$ luminosity function and star formation rate density up to $z < 0.35$**

Gunawardhana, M.L.P., Hopkins, A.M., Bland-Hawthorn, J., Brough, S., Sharp, R., Loveday, J., Taylor, E., Jones, D.H., Lara-López, M.A., Bauer, A.E., Colless, M., Owers, M., Baldry, I.K., López-Sánchez, A.R., **Foster, C.**, Bamford, S., Brown, M.J.I., Driver, S.P., Drinkwater, M.J., **Liske, J.**, Meyer, M., Norberg, P., Robotham, A.S.G., Ching, J.H.Y., Cluver, M.E., Croom, S., Kelvin, L., Prescott, M., Steele, O., Thomas, D., & Wang, L., 2013, *MNRAS*, 433, 2764 [[ADS](#)]

### **Herschel/PACS Survey of Protoplanetary Disks in Taurus/Auriga—Observations of [O I] and [C II], and Far-infrared Continuum**

Howard, C.D., Sandell, G., Vacca, W.D., Duchêne, G., Mathews, G., Augereau, J.-C., Barrado, D., **Dent, W.R.F.**, Eiroa, C., Grady, C., Kamp, I., Meeus, G., Ménard, F., Pinte, C., Podio, L., Riviere-Marichalar, P., Roberge, A., Thi, W.-F., Vicente, S., Williams, J.P., 2013, *ApJ*, 776, 21 [[ADS](#)]

### **Bandwidth smearing in infrared long-baseline interferometry. Application to stellar companion search in fringe-scanning mode**

Lachaume, R., & **Berger, J.-P.**, 2013, *MNRAS*, 435, 2501 [[ADS](#)]

### **Galaxy And Mass Assembly (GAMA): a deeper view of the mass, metallicity and SFR relationships**

Lara-López, M.A., Hopkins, A.M., López-Sánchez, A.R., Brough, S., Gunawardhana, M.L.P., Colless, M., Robotham, A.S.G., Bauer, A.E., Bland-Hawthorn, J., Cluver, M., Driver, S., **Foster, C.**, Kelvin, L.S., **Liske, J.**, Loveday, J., Owers, M.S., Ponman, T.J., Sharp, R.G., Steele, O., Taylor, E.N., & Thomas, D., 2013, *MNRAS*, 434, 451 [[ADS](#)]

### **The planetary nebula population in the halo of M 87**

Longobardi, A., **Arnaboldi, M.**, Gerhard, O., **Coccatto, L.**, Okamura, S., & Freeman, K.C., 2013, *A&A*, 558, 42 [[ADS](#)]

**N-body simulations of globular clusters in tidal fields: Effects of intermediate-mass black holes**  
**Lützgendorf, N.**, Baumgardt, H., & Kruijssen, J.M.D., 2013, *A&A*, 558, 117 [[ADS](#)]

**CLASH: Complete Lensing Analysis of the Largest Cosmic Lens MACS J0717.5+3745 and Surrounding Structures**

Medezinski, E., Umetsu, K., Nonino, M., Merten, J., Zitrin, A., Broadhurst, T., Donahue, M., Sayers, J., Waizmann, J.-C., Koekemoer, A., Coe, D., Molino, A., Melchior, P., Mroczkowski, T., Czakon, N., Postman, M., Meneghetti, M., Lemze, D., Ford, H., Grillo, C., Kelson, D., Bradley, L., Moustakas, J., Bartelmann, M., Benítez, N., Biviano, A., Bouwens, R., Golwala, S., Graves, G., Infante, L., Jiménez-Teja, Y., Jouvel, S., Lahav, O., Moustakas, L., Ogaz, S., **Rosati, P.**, Seitz, S., Zheng, W., 2013, *ApJ*, 777, 43 [[ADS](#)]

**Outgassing Behavior of C/2012 S1 (ISON) from 2011 September to 2013 June**

Meech, K.J., Yang, B., Kleyana, J., Ansdell, M., Chiang, H.-F., **Hainaut, O.**, Vincent, J.-B., Boehnhardt, H., Fitzsimmons, A., Rector, T., Riesen, T., Keane, J.V., Reipurth, B., Hsieh, H.H., Michaud, P., Milani, G., Bryssinck, E., Ligustri, R., Trabatti, R., Tozzi, G.-P., Mottola, S., Kuehrt, E., Bhatt, B., Sahu, D., Lisse, C., Denneau, L., Jedicke, R., Magnier, E., Wainscoat, R., 2013, *ApJ*, 776, L20 [[ADS](#)]

**On central black holes in ultra-compact dwarf galaxies**

**Mieske, S.**, Frank, M.J., Baumgardt, H., **Lützgendorf, N.**, **Neumayer, N.**, & **Hilker, M.**, 2013, *A&A*, 558, 14 [[ADS](#)]

**First results of the SONS survey: submillimetre detections of debris discs**

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**Planck intermediate results. XI. The gas content of dark matter halos: the Sunyaev-Zeldovich-stellar mass relation for locally brightest galaxies**

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**Neutral atomic hydrogen (H I) gas evolution in field galaxies at  $z \sim 0.1$  and  $\sim 0.2$**

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**A Lyman Break Galaxy in the Epoch of Reionization from Hubble Space Telescope Grism Spectroscopy**

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**Substellar Objects in Nearby Young Clusters. VII. The Substellar Mass Function Revisited**

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**EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981 (Corrigendum)**

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**Diagnostics of AGN-Driven Molecular Outflows in ULIRGs from Herschel-PACS Observations of OH at 119  $\mu\text{m}$**

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**Constraints on the radial distribution of the dust properties in the CQ Tauri protoplanetary disk**

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**HST hot Jupiter transmission spectral survey: detection of water in HAT-P-1b from WFC3 near-IR spatial scan observations**

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