

Publicações de 2005

RJ - 61 Articles in Refereed Journals; **IT** - 3 Conference Invited Talks; **RP** - 8 Refereed Conference Proceedings; **NP** - 13 Non-Refereed Conference Proceedings; **CA** - 7 Conference Abstracts; **CP** - 4 Conference Posters; **TH** - 2 Graduate Thesis; **BP** - 1 Editor of Book of Proceedings; **BC** - 4 Authorship of book chapters; **OT** - 3 Other publications;

[**RJ**] - "Characterization of zonal winds in the stratosphere of Titan with UVES", Luz D., Civeit T., Courtin R., Lebreton J.-P., Gautier D., Rannou P., Kaufer A., Witasse O., Lara L. and Ferri F., 2005, *Icarus*, 179, 497.

[**RJ**] - "On measuring planetary winds using high-resolution spectroscopy in visible wavelengths", Civeit T., Appourchaux T., Lebreton J.-P., Luz D., Courtin R., Neiner C., Witasse O. and Gautier D., 2005, *Astronomy & Astrophysics*, 431, 1157.

[**RJ**] - "Titan atmosphere database", Rannou P., Lebonnois S., Hourdin F. and Luz, D., 2005, *Advances in Space Research*, 36, 2194.

[**CA**] - "A Cloud-Tracking Tool For Planetary Orbiter Images", Gil R., Luz D., Berry, D. and Roos-Serote M., 2005, *Bulletin of the American Astronomical Society*, 37, 651.

[**IT**] - "Characterization of Titan's winds in coordination with the Huygens Probe entry", Luz D., Civeit T., Courtin R., Lebreton J.-P., Gautier D., Rannou P., Kaufer, A., Witasse O., Lara L., Ferri F., Kostiuik, T. and Livengood, T., 2005, *Geophysical Research Abstracts*, Vol. 7, Planetary and Solar System Sciences.

[**IT**] - "Global winds on Titan during Huygens descent", Kostiuik T., Livengood T., Sonnabend G., Annen J., Fast K., Tokunaga A., Murakawa K., Hewagama T., Luz D. and Witasse, O., 2005, *Geophysical Research Abstracts*, Vol. 7, Planetary and Solar System Sciences.

[**CA**] - "UVES measurements of Saturn's winds with the absolute accelerometry technique", Luz D., Civeit T., Courtin R., Lebreton J.-P., Gautier D., Witasse O., Kaufer A., Ferri F., Lara L., 2005, *Geophysical Research Abstracts*, Vol. 7, Planetary and Solar System Sciences.

[**CA**] - "Atmospheric dynamics on Venus: planned observations for VIRTIS/VenusX", Wilson C., Lebonnois S., Baines K., Fouchet T., Luz D., Sánchez-Lavega A., Taylor F., Titov D., Drossart P. and Piccioni G., 2005, *Geophysical Research Abstracts*, Vol. 7, Planetary and Solar System Sciences.

[**RJ**] - "Scattering properties and location of the jovian 5-micron absorber from Galileo/NIMS limb-darkening observation.", Roos-Serote, M., Irwin, P.J.W. accepted for publication in *Journal of Quantitative Spectroscopy and Radiative Transfer*.

[**RJ**] - "Galileo/NIMS and Cassini/VIMS 4-5 micron observations of Jupiter: comparison and PCA analysis.", Roos-Serote, M., Pimentão, J., Vicente, S., Drossart, P., Baines, K.H., Brown, R.H., In preparation.

[**BC**] - "The changing face of Titan's haze.", Roos-Serote, M. In 'The Outer Planets' (Encrenaz et al. Eds.), Kluwer, 201-210, 2005.

[**RJ**] - "On the latitudinal variation of Titan's haze at the Voyager epoch.", Negrão, A., [Roos-Serote], M., Lourenço, B., Rannou, P., Rages, K., McKay, C., 2005, *Plan. & Space Sci.*, 53, 526.

[**CA**] - "The two upper cloud layer in the jovian atmosphere finally seen together.", Roos-Serote, M., Pimentão, J., Vicente, V., 2005, *Bulletin of the American Astronomical Society*, 36, no.4, 37th Annual Meeting, September 4-9, 2005, Cambridge, UK.

[**CA**] - "The deep winds of Saturn: first measurements of the zonal windfield near the two-bar

- cloud level.", Baines, K.H., Momary, T.W., Roos-Serote, M., 2005, Bulletin of the American Astronomical Society, 36, no.4, 37th Annual Meeting, September 4-9, 2005, Cambridge, UK.
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- [RJ] - "Spectral characteristics and modeling of the trans-neptunian object (55565) 2002 AW197 and the Centaurs (55576) 2002 GB10 and (83982) 2002 GO9: ESO Large Program on TNOs and Centaurs.", Doressoundiram, A., Barucci, M. A., Tozzi, G. P., Poulet, F., Boehnhardt, H., de Bergh, C., Peixinho, N., 2005, Plan. & Space Sci., 53, 1501.
- [RJ] - "The Meudon Multicolor Survey (2MS) of Centaurs and trans-neptunian objects: extended dataset and status on the correlations reported.", Doressoundiram, A., Peixinho, N., Doucet, C., Mousis, O., Barucci, M. A., Petit, J. M., Veillet, C., 2005, Icarus, 174, 90.
- [NP] - "The Strongly Shaped Color Distribution of the Trans-Neptunian Objects.", Doressoundiram, A., Peixinho, N. Protostars and Planets V, 2005, pp. 8024.
- [NP] - "Trans-Neptunian objects' surface properties.", Barucci, M. A., Peixinho, N. IAU Symposium No. 229, 2005, pp. 171.
- [TH] - "Physical and chemical characterisation of the Trans-Neptunian Object population", Peixinho, N. PhD Thesis at the Department of Physics, University of Lisbon, November 2005.
- [RJ] - "Extra-solar planets: constraints for planet formation models", N.C. Santos, W. Benz, & M. Mayor, 2005, Science 310, 251.
- [RJ] - "Elodie metallicity-biased search for transiting Hot Jupiters II. A very hot Jupiter transiting the bright K star HD189733", Bouchy, F., Udry, S., Mayor, M., Moutou, C., Pont, F., Iribarne, N., da Silva, R., Ilovaisky, S., Queloz, D., Santos, N.C., Segransan, D., Zucker, S., 2005, A. & A., 444, L15.
- [RJ] - "Metallicity of M dwarfs I. A photometric calibration and impact on the mass-luminosity relation at the bottom of the main sequence", X. Bonfils, X. Delfosse, S. Udry, N.C. Santos, T. Forveille, D. Ségransan, 2005, A. & A., 442, 635.
- [RJ] - "The CORALIE survey for southern extra-solar planets XIII. A pair of planets around HD202206 or a circumbinary planet?", Correia, A.C.M., Udry, S., Mayor, M., Laskar, J., Naef, D., Queloz, D., Santos, N.C., 2005, A. & A., 440, 751.
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- [RJ] - "Seismic Analysis of the planet-hosting star mArae", M. Bazot, F. Bouchy, S. Vauclair, N.C. Santos, 2005, A. & A., 440, 615.
- [RJ] - "On the nature of Lithium-rich giant stars: Constraints from Beryllium abundances", C.H.F.Melo, P.de Laverny, N.C. Santos, G. Israelian, S. Randich, J.D. do Nascimento, & R. de Medeiros, 2005, A. & A., 439, 227.
- [RJ] - "The HARPS search for southern extra-solar planets. IV. Three close-in planets around HD2638, HD27894 and HD63454", Moutou, C., Mayor, M., Bouchy, F., Lovis, C., Pepe, F., Queloz, D., N.C. Santos, Udry, S., Benz, W., Lo Curto, G., Naef, D., Segransan, D., Sivan, J.-P., 2005, A. & A., 439, 367.

- [**RJ**] - "Doppler follow-up of OGLE planetary transit companions in Carina", F. Pont, F. Bouchy, C. Melo, N.C. Santos, M. Mayor, D. Queloz, & S. Udry, 2005, *A. & A.*, 438, 1123.
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- [**RJ**] - "Spectroscopic metallicities for planet-host stars: extending the samples", N.C. Santos, G. Israelian, M. Mayor, J.P. Bento, P.C. Almeida, S.G. Sousa, 2005, *A. & A.*, 437, 1127.
- [**RJ**] - "The HARPS search for southern extra-solar planets. III. Three Saturn-mass planets around HD 93083, HD 101930 and HD 102117", Lovis, C., Mayor, M., Bouchy, F., Pepe, F., Queloz, D., Santos, N.C., Udry, S., Benz, W., Bertaux, J.-L., Mordasini, C., Sivan, J.-P., 2005, *A. & A.*, 437, 1121.
- [**RJ**] - "A planet-sized transiting star around OGLE-TR-122 - Accurate mass and radius near the Hydrogenburning limit", F. Pont, C. H. F. Melo, F. Bouchy, S. Udry, D. Queloz, M. Mayor, N. C. Santos, 2005, *A. & A.*, 433, 21.
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- [**NP**] - "Metallicity of M-dwarfs", Bonfils, X., Delfosse, X., Udry, S., Santos, N.C., Forveille, T., Ségransan, D. Proceedings of the SF2A 2005 meeting.
- [**NP**] - "Characterization of OGLE transiting exoplanets", Bouchy, F., Pont, F., Moutou, C., Queloz, D., Santos, N.C., Melo, C., Udry, S., Mayor, M., Proceedings of the SF2A 2005 meeting.
- [**NP**] - "Probing the structure and atmospheres of extra-solar planets", N.C. Santos, Proceedings of the XV National Portuguese Astronomy Meeting.
- [**CP**] - "Revised parameters for OGLE-TR-10 from UVES spectra: updated planetary physical properties", N.C. Santos, F. Pont, F. Bouchy, C.H.F. Melo, M. Mayor, D. Queloz, S. Udry, C. Moutou, & G. Israelian, Proceedings of Haute Provence Observatory Colloquium '10th anniversary of 51Pegb: status of and prospects for hot Jupiter studies', 22-26 Aug 2005.
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- [**CP**] - "Doppler ground-based asteroseismology of the exoplanets host star m Arae", M. Bazot, F. Bouchy, S. Vauclair and N.C. Santos 2005, In: M. Giard, F. Casoli and F. Paletou (eds), Dome C Astronomy and Astrophysics Meeting, 14, 349.
- [**OT**] - "Un zoo de nuevos mundos", N.C. Santos, El Pais newspaper, 16-11-2005.
- [**OT**] - "Transiting extra-solar planets, follow the FLAMES...", F. Pont, F. Bouchy, D. Queloz, C. Melo, N.C. Santos, S. Udry, M. Mayor, C. Moutou, "The ESO Messenger" n.120, 19.
- [**OT**] - "On the track of very low-mass planets with HARPS", F. Pepe, M. Mayor, D. Queloz, W.

Benz, J.-L. Bertaux, F. Bouchy, C. Lovis, C.Mordasini, N. Santos, J.-P. Sivan, S. Udry, "The ESO Messenger" n.120, 22.

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[**RJ**] - "Testing the companion hypothesis for the origin of the X-ray emission from intermediate-mass mainsequence stars", Stelzer, B., Huélamo, N., Micela, G., Hubrig, S., 2005, A. & A., in-press.

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[**NP**] - "Coronal emission in the youngest stars: a Deep Chandra X-ray observation of NGC 2362", Damiani, F. Micela, G., Sciortino, S., Huélamo, N., Harnden, F. R.; Murray, S. S., 2005, "Star Formation in the Era of Three Great Observatories", meeting abstracts from the conference held July 13-15, 2005 in Cambridge, MA.

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[**NP**] - "First Spectroscopic Observations of Low-Mass Companions to X-Ray Selected Main Sequence Late B-type Dwarfs with NIRSPEC at Keck II", Hubrig, S., Scholler, M., Le Mignant, D., Stelzer, B., Huélamo, N., Duchêne, G., 2005, High Resolution Infrared Spectroscopy in Astronomy: Proceedings of an ESO Workshop Held at Garching, Germany, 18-21 November 2003, ESO Astrophysics Symposia. ISBN 3-540-25256-8. Edited by H.U. Kaufl, R. Siebenmorgen and A.F.M. Moorwood, p. 499.

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- [**BC**] - "À Luz de Einstein: Luz Sobre o Cosmos", Agostinho, R. chapter in the Book of the Exhibition "À Luz de Einstein", Fundação Calouste Gulbenkian. Editors Ferreira, C.M., Eiró, A.M.. In print.
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