

Oggetto: rinnovo dottorato XXIX ciclo

**10 MIGLIORI PUBBLICAZIONI anni 2008-2012 dei
MEMBRI del COLLEGIO DOCENTI
del dottorato di ricerca in
ASTRONOMIA-ASTRONOMY, ASTROPHYSICS AND SPACE SCIENCE**

Paolo DE BERNARDIS

1. Salatino, M., de Bernardis, P., Masi, S., Polenta, G., The spectral energy distribution of the Carina nebula from far-infrared to radio wavelengths, *THE ASTROPHYSICAL JOURNAL*, 748, 1-9 (2012)
2. de Bernardis, P., Colafrancesco, S., D'Alessandro, G., Lamagna, L., Marchegiani, P., Masi, S., Schillaci, A., Low-resolution spectroscopy of the Sunyaev-Zeldovich effect and estimates of cluster parameters, *Astronomy and Astrophysics*, 538, A86 (2012)
3. Tarasov Mikhail A., Kuzmin Leonid S., Edelman Valerian S., Mahashabde Sumedh, de Bernardis Paolo, Optical Response of a Cold-Electron Bolometer Array Integrated in a 345-GHz Cross-Slot Antenna, *IEEE Transactions on Applied Superconductivity*, 21, 3635-3639 (2011)
4. Salatino, M., de Bernardis, P., Masi, S., A cryogenic waveplate rotator for polarimetry at mm and submm wavelengths, *Astronomy and Astrophysics*, 528, A138, (2011)
5. Conversi, L., Fiadino, P., de Bernardis, P., Masi, S., Extracting cosmological signals from foregrounds in deep mm maps of the sky, *Astronomy & Astrophysics*, 524, A7 (2010)
6. Paradis, D., Veneziani, M., Noriega-Crespo, A., Paladini, R., Piacentini, F., Bernard, J. P., de Bernardis, P., Calzoletti, L., Faustini, F., Martin, P., Masi, S., Montier, L., Natoli, P., Ristorcelli, I., Thompson, M. A., Traficante, A., Molinari, S., Variations of the spectral index of dust emissivity from Hi-GAL observations of the Galactic plane, *Astronomy and Astrophysics*, 520, L8 (2010)
7. Calvo, M., Giordano, C., Battiston, R., de Bernardis, P., Margesin, B., Masi, S., Monfardini, A., Development of Kinetic Inductance Detectors for Cosmic Microwave Background experiments, *Experimental Astronomy*, 28, 185–194 (2010)
8. Masi, S., Battistelli, E., de Bernardis, P., Lamagna, L., Nati, F., Nati, L., Natoli, P., Polenta, G., Schillaci, A., On the effect of cosmic rays in bolometric CMB measurements from the stratosphere, *Astronomy and Astrophysics*, 519, A24, (2010)
9. Veneziani, M., Ade, P. A. R., Bock, J. J., Boscaleri, A., Crill, B. P., de Bernardis, P., De Gasperis, G., de Oliveira-Costa, A., De Troia, G., Di Stefano, G., Ganga, K. M., Jones, W. C., Kisner, T. S., Lange, A. E., MacTavish, C. J., Masi, S., Mauskopf, P. D., Montroy, T. E., Natoli, P., Netterfield, C. B., Pascale, E., Piacentini, F., Pietrobon, D., Polenta, G., Ricciardi, S., Romeo, G., Ruhl, J. E., Properties of Galactic Cirrus Clouds observed by BOOMERANG, *The Astrophysical Journal*, 713, 959, (2010)
10. Pagano, L., de Bernardis, P., De Troia, G., Gubitosi, G., Masi, S., Melchiorri, A., Natoli, P., Piacentini, F., Polenta, G., CMB Polarization Systematics, Cosmological Birefringence and the Gravitational Waves Background, *PHYSICAL REVIEW D*, 80, 043522 (2009)