

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**

Piero RAPAGNANI

1. Rapagnani, P., et al.: *Search for gravitational waves from binary black hole inspiral, merger, and ringdown*, Phys. Rev. D, vol.86, n.6 DOI:10.1103/PhysRevD.86.069903 (2012)
2. Rapagnani, P., et al.,: *Scientific objectives of Einstein Telescope*, Classical and Quantum Gravity, vol.29, n.12SI, DOI: 10.1088/0264-9381/29/12/124013 (2012)
3. Rapagnani, P. et al.,: *All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run*, Phys.Rev.D, vol.85, n.12, DOI: 10.1103/PhysRevD.85.122007 (2012)
4. Rapagnani, P. et al.: *Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors*, Class. Quantum Grav. Vol.27 173001 (25pp), DOI:10.1088/0264-9381/27/17/173001 (2010)
5. Rapagnani, P. et al.: *An upper limit on the stochastic gravitational-wave background of cosmological origin*, Nature Vol.460, DOI:10.1038/nature08278 (2009)
6. Rapagnani, P. et al.: *First low-latency LIGO plus Virgo search for binary inspirals and their electromagnetic counterparts*, A&A Vol.541, DOI: 10.1051/0004-6361/201218860 (2012)
7. Rapagnani, P. et al.: *Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3*, Phys.Rev.D, vol.85, n.8, DOI: 10.1103/PhysRevD.85.082002 (2012)
8. Rapagnani, P. et al.: *Virgo: a laser interferometer to detect gravitational waves*, Journal of Instrumentation, vol.7, 10.1088/1748-0221/7/03/P03012 (2012)
9. Basti, F. and Frasconi, F. and Majorana, E. and Naticchioni, L. and Perciballi, M. and Puppo, P. and Rapagnani, P. and Ricci, F.: *A cryogenic payload for the 3rd generation of gravitational wave interferometers*, Astroparticle Phys., vol.35, n.2, pages 67-75, DOI: 10.1016/j.astropartphys.2011.05.004 (2011)
10. Rapagnani, P. et al.: *Beating the spin-down limit on gravitational wave emission from the Vela Pulsar*, Astrophys. J., Vol.737, n.2, DOI: 10.1088/0004-637X/737/2/93 (2011)