

Session Program

Sep 23 - 27, 2024



RICAP-24 Roma International Conference on AstroParticle Physics

Gravitational Waves detection

Hotel Villa Tuscolana, Aula Conferenze
Via del Tuscolo, km 1.5, 00044 Frascati RM

Wed, September 25

2:00 PM

Gravitational Waves detection

Session | Location: Sala Clemente | Convener: Marco Drago

2:00 - 2:17 PM

Status and Perspectives of the Real-Time Control of VIRGO Gravitational Waves Detector

Speaker

Alberto Gennai

2:17 - 2:34 PM

Detecting fundamental fields with LISA observations of extreme mass ratio inspirals

Speaker

Andrea Maselli

2:34 - 2:51 PM

The challenge of low frequency sensitivity in ground-based GW detectors

Speaker

Maddalena Mantovani

2:51 - 3:08 PM

Impact of the Newtonian Noise on Einstein Telescope science

Speaker

Davide Rozza

3:08 - 3:25 PM

Input Optics for Gravitational Wave Detectors

Speaker

Piernicola Spinicelli

3:25 - 3:42 PM

Probing the Universe using Pulsar Timing Arrays

Speaker

Mikel Falxa

3:42 - 3:59 PM

Advanced Optics Research in Gravitational Wave Detection

Speaker

Diana Lumaca

3:59 - 4:16 PM

Cosmology with gravitational waves

Speaker

Enis Belgacem

4:16 - 4:33 PM

A new concept for compact seismic attenuation systems to improve low-frequency sensitivity of gravitational wave detectors

Speaker

Massimiliano Razzano

4:33 - 4:50 PM

Ring Laser gyroscopes and Gravitational waves research

Speaker

Angela Dora Vittoria Di Virgilio

4:50 - 5:07 PM

**Exploring Vacuum-Gravity Interaction through the Archimedes Experiment:
Recent Results and Future Prospects**

Speaker

Valentina Mangano

5:30 PM