

THIRD GENERATION GRAVITATIONAL WAVE DETECTORS: THE VIEW FROM LATIN AMERICA

June 29 – July 3, 2026
at Principia Institute, São Paulo, Brazil

INVITED SPEAKERS

Odylío Aguiar (INPE, Brazil)

Tabata Aira (INPE, Brazil)

Parameswaran Ajith (ICTS) *

Felipe Andrade-Oliveira (U. of Zurich, Switzerland)

Maria Celeste Artale (UNAB, Chile)

Pia Astone (U. La Sapienza, Italy) *

Tessa Baker (U. of Portsmouth, UK)

Laura Bernard (U. Meudon, France) *

Guilherme Brando (CBPF, Brazil) *

Glauber Dorsch (UFMG, Brazil)

Leila Graef (UFF, Brazil)

Rachel Gray (U. of Edinburgh, Scotland) *

Gianluca Guidi (U. Urbino, Italy) *

Giuliano Iorio (ICCUB, Spain)

Simone Mastrogiiovanni (U. La Sapienza, Italy) *

Claudia Moreno (U. of Guadalajara, Mexico) *

Osvaldo Moreschi (U. of Cordoba, Spain) *

Antonella Palmese (Carnegie Mellon U., USA) *

Cristiano Palomba (U. La Sapienza, Italy) *

Jonas Pereira (UnB, Brazil)

Farinaldo Queiroz (IIP, Brazil) *

Angelo Ricciardone (Pisa, Italy) *

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Henrique Rubira (U. Munich, Germany)

Marcelle Soares Santos (U. of Zurich, Switzerland)

Bangalore Sathyaprakash (Penn State U., USA) *

Alessandro Trani (U. of Concepcion, Chile)

*To be confirmed

The second generation of Gravitational wave (GW) detectors is currently operating at unprecedented sensitivity, providing observations of binary system coalescences, whose sources are neutron stars and black holes with masses ranging from one to one hundred solar masses.

The new (3rd) generation of gravitational detectors consists of two projects: Cosmic Explorer (CE) and Einstein Telescope (ET), supported respectively by US and European collaborations with Latin America (LATAM) scientists involved in both projects.

With the intent of covering the wide range of fundamental physics, astronomy and cosmology topics that can be addressed by the upcoming gravitational wave detectors, the goal of the workshop is to spur the contribution of LATAM researchers to the field, with dedicated sessions to all aspects of GW science including Cosmology, Fundamental gravity, Astrophysical populations, Multimessenger astronomy, Neutron stars, Dark matter, Data analysis and Instrument science.

This workshop will be preceded by the School on Astroparticle and Multi-messenger Astrophysics from June 15-26.

Application deadline: May 10, 2026

Online application and more information:

ictp-saifr.org/3gw4la



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