



ICTP | International Centre for Theoretical Physics
SAIFR | South American Institute for Fundamental Research

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June 15 – 26, 2026

**SCHOOL ON ASTROPARTICLE
 AND MULTI-MESSENGER
 ASTROPHYSICS**

This school in astroparticle and multi-messenger astrophysics aims to address key questions that link one of the deepest puzzles of the standard cosmological model—the elusive nature of dark matter—with the diverse ways we observe the cosmos: cosmic rays, gamma rays, neutrinos, gravitational waves, and, of course, the traditional messenger of astrophysics, light.

The mini-courses will link ‘astroparticles’, i.e. elementary particles in astrophysical and cosmological contexts, with multi-messenger astronomy, advocating for a more comprehensive approach that bridges different observational channels to maximize the scientific insights gained through the cross-pollination of diverse fields.

With the goal of inspiring a new generation of students by fostering their curiosity about astrophysical processes observed through different messengers, we intend to emphasize their interconnections paving the way for a deeper understanding of fundamental astrophysical phenomena.

This school will be followed by the workshop “Third Generation Gravitational Wave Detectors: the view from Latin America” from June 29 – July 3.

Application deadline:

April 15, 2026

**Online application and
 more information:**

ictp-saifr.org/samma2026



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