



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

**Campus of IFT-UNESP – São Paulo, Brazil**

**December 8 – 12, 2025**

# QCD MEETS GRAVITY SCHOOL



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Gauge theories and gravitational interactions form the basis of our current understanding of the universe. To realize them in a unified framework is a formidable task, yet common properties have been uncovered through a duality between color and kinematics and the subsequent double-copy perspective. More recently, observations of gravitational waves have triggered a surge of research in this field, and modern amplitudes-based techniques have been very useful for the general relativistic two-body problem.

In this advanced school, students will learn modern techniques for computing scattering amplitudes which are not usually seen in standard graduate courses, and will interact with renowned researchers in the field. The conference “QCD meets Gravity XI” will follow this one-week school.

There is no registration fee and limited funds are available for travel and local expenses.

**Application deadline:**  
**September 8, 2025**

**Online application and more information:**  
**[ictp-saifr.org/qcdmg2025school](https://ictp-saifr.org/qcdmg2025school)**



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