



**ICTP
SAIFR**

International Centre
for Theoretical Physics
South American Institute
for Fundamental Research



INSTITUTO
PRINCIPIA

Venue: Principia Institute – São Paulo, Brazil

December 15 – 19, 2025

QCD MEETS GRAVITY XI CONFERENCE

Over the last decades, new correspondences have been discovered between Yang-Mills theory and gravity including a duality between color and kinematics and the double-copy prescription relating Yang-Mills and graviton amplitudes. Furthermore, the computation of scattering amplitudes has been a growing field which, in addition to the usual particle physics applications, has shown that the knowledge of scattering amplitude methods is very useful in the investigation of classical gravitational physics.

The 'QCD meets Gravity' conference brings together researchers to discuss formal aspects and applications of Yang-Mills theory, gravity, and the connections between them. Over the last years, it has become the main annual event in the field and the 2025 conference at Principia Institute, organized by ICTP-SAIFR, will be the first time the conference will be held in South America. The conference will be preceded by the 'QCD Meets Gravity' School.

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

Application deadline*:

November 2, 2025

*If you are currently looking for a new job/academic position and want to give a talk, you should apply by **September 8, 2025**.

Online application and more information:

ictp-saifr.org/qcdmg2025conference



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