

Meeting PRIN "String Theory as a bridge between Gauge Theories and Quantum Gravity"



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Gauge theory pictures of gravity and cosmology perturbations

Friday, 15 November 2024 14:30 (1h 30m)

I will review the SW gravity correspondence that relates solutions of the Heun equation, governing perturbations of black hole, D-brane, fuzzball, and cosmological backgrounds, to partition functions of quiver gauge theories. Some applications to the study of scattering amplitudes and post-Newtonian expansions of gravitational waves will be briefly illustrated.

Presenter: MORALES, Jose Francisco (Istituto Nazionale di Fisica Nucleare)

Session Classification: Roma Tor Vergata