



ID de Contribution: 9

Type: **Talk**

The operational meaning of total energy in general relativity

mardi 5 novembre 2024 10:30 (20 minutes)

The ADM and Bondi energies are key examples of diffeomorphism-invariant observables. They have played a crucial role to understand energy in general relativity, and by Noether's theorem, to understand (boundary) symmetries. In spite of their conceptual importance, we don't know how to directly measure them: their reconstructed values from gravitational waveforms are only inferred quantities. In this talk I will present thought experiments that provide an operational meaning to both ADM and Bondi energies.

Auteur principal: SPEZIALE, Simone (CPT Marseille, CNRS)

Orateur: SPEZIALE, Simone (CPT Marseille, CNRS)