

COLLOQUE DE PHYSIQUE

Lundi 5 juin 2023, 12h30

École de Physique, Auditoire Stueckelberg

« Quantum Scattering Amplitudes for Classical Gravity »

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The first gravitational wave observation by LIGO in 2015 spurred a new wave of interest by theorists in the calculations needed for current and future observatories. Theorists proposed new approaches based on quantum scattering amplitudes. In intervening years, this subject has turned into a flourishing activity within the Amplitudes community. I explain the motivation for these approaches. I also present two of the many new 'classical from quantum' approaches.