LoopFest XX



Contribution ID: 87

Type: not specified

Two-loop corrections to the Classical Hamiltonian for Spinning Black Holes

Friday 13 May 2022 17:15 (15 minutes)

We present our recent computation of classical gravitational potentials for spinning black holes. The work is based on the modern scattering amplitude approach. A wide range of techniques ranging from numerical unitarity, loop integration,Integration-by-parts, expansion-by-regions and effective field theories are used in order to extract the classical information from quantum scattering amplitudes.

Author: KRAUS, Manfred (Florida State University)Presenter: KRAUS, Manfred (Florida State University)Session Classification: Friday Afternoon Session 2