



Contribution ID: 74

Type: Oral communications

Double Parton Scattering in Ultrapерipheral Collisions

Thursday, March 13, 2025 5:00 PM (15 minutes)

Double parton scattering (DPS) is an important tool for investigating the parton distributions in protons and nuclei. In this work, we explore DPS in ultraperipheral collisions (UPC) between nuclei (AA) and between a nucleus and a proton (Ap), with photons and gluons in the initial state. We show how the effective cross section depends on the photon momentum fraction. We also make predictions for the associated production of heavy quark–antiquark pairs and dileptons.

Authors: STAHLHÖFER, Bruna (UFSC); HUAYRA, Edgar; OLIVEIRA, Emmanuel Gräve de (UFSC, Brazil)

Presenter: OLIVEIRA, Emmanuel Gräve de (UFSC, Brazil)

Session Classification: Oral communications