

11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



Beitrag ID: 203

Typ: Talk

New measurements in fixed-target collisions at LHCb

Dienstag, 28. März 2023 15:00 (20 Minuten)

The LHCb spectrometer has the unique capability to function as a fixed-target experiment by injecting gas into the LHC beam pipe while proton or ion beams are circulating. The resulting beam+gas collisions cover an unexplored energy range that is above previous fixed-target experiments, but below the top RHIC energy for AA collisions. Here we present new results on open charm, J/ψ , and $\psi(2S)$ production from pNe and PbNe fixed-target collisions at LHCb. Comparisons with various theoretical models of particle production and transport through the nucleus will be discussed.

Experiment/Theory

LHCb

Affiliation

On behalf of LHCb

Hauptautor: MATTIOLI, Kara (Laboratoire Leprince Ringuet, CNRS)

Vortragende(r): MATTIOLI, Kara (Laboratoire Leprince Ringuet, CNRS)

Sitzung Einordnung: Parallel: Heavy Flavours & Quarkonia

Track Klassifizierung: Heavy flavor and quarkonia