

# 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,  $J/\psi$ , 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

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**Sitzung Einordnung:** Parallel: Heavy Flavours & Quarkonia

**Track Klassifizierung:** Heavy flavor and quarkonia