

12th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions

Contribution ID: 139

Type: **Oral presentation**

Strangeness studies in LHCb fixed-target collisions

Monday 23 September 2024 17:30 (20 minutes)

Leveraging on the injection of noble gases into the LHC accelerator beam-pipe, LHCb has been collecting since 2015 proton- and lead-gas collisions, which give access to the poorly explored high- x and moderate Q^2 kinematic region. In particular, studies of strangeness production provides information on hadronization and serve as important inputs to models of particle production in cosmic rays. In this contribution, recent results on strangeness production in fixed-target collisions at LHCb will be presented, including studies for hyperon production and polarization.

Category

Experiment

Collaboration

LHCb

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Session Classification: Parallel 8: high p_t correlations

Track Classification: 5. Nuclear PDFs, saturation, and early time dynamics