

Quark Matter 2019 - the XXVIIIth International Conference on Ultra-relativistic Nucleus-Nucleus Collisions



Contribution ID: 225

Type: **Poster Presentation**

Charmonia production in pPb collisions at LHCb

Monday 4 November 2019 17:40 (20 minutes)

We present LHCb results on charmonia production in proton-lead collisions, using the data collected in 2016 at $\sqrt{s_{NN}} = 8.16$ TeV nucleon-nucleon centre-of-mass energy, in the forward region (pseudorapidity between 2 and 5), covering forward (pPb configuration) and backward (PbP configuration) rapidities. Measurements include prompt and from-b-decay components which are disentangled. The large increase in size of the data sample, compared to the 5 TeV sample collected in 2013, allows a remarkable improvement in the accuracy of the studies of nuclear matter effects.

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Session Classification: Poster Session

Track Classification: Heavy flavor and quarkonium