Contribution ID: **579** Type: **Parallel**

Quarkonia production in pPb collisions with LHCb

Thursday 5 July 2018 09:00 (18 minutes)

We present new results on quarkonia production in pPb collisions, using the data collected in 2016 at 8.16 TeV nucleon-nucleon centre-of-mass energy, in the unique forward region (pseudorapidity between 2 and 5) covered by the LHCb detector. Both forward and backward rapidities are covered thanks to the possibility of beam reversal. Measurements include the vector bottomonia states and the J/psi and psi(2S), where the prompt and from-b-decay components can be disentangled. The large increase in size of the heavy flavour sample, compared to 5 TeV sample collected in 2013, allows a remarkable improvement in the accuracy of the determination of nuclear modification factors.

Primary author: CHEN, Shanzhen (Universita e INFN, Cagliari (IT))

Presenter: CHEN, Shanzhen (Universita e INFN, Cagliari (IT))

Session Classification: Heavy Ions

Track Classification: Heavy Ions