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Study of pPb and PbPb collisions in the forward direction

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The LHCb detector is a full spectrometer at forward rapidity covering a pseudorapidity range of $2 < \eta < 5$. With its excellent vertex resolution, particle identification and tracking capability, the LHCb is able to perform precision measurements down to very low transverse momentum. We present first LHCb results on heavy flavor in lead-lead collisions at 5.02 TeV, including photoproduction of J/ψ mesons in peripheral and ultra-peripheral collisions, and prompt open charm production, using the datasets collected during 2015 and 2018.

Primary author: NEUBERT, Sebastian (University of Bonn (DE))

Presenter: LI, Hengne (South China Normal University (CN))

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