



Production cross-sections and nuclear modification factor for charmed baryons and mesons in p-Pb collisions at 5 TeV with the LHCb detector

Friday, 14 July 2017 14:15 (20 minutes)

The study of the nuclear modification factor and the forward/backward asymmetry in p-Pb collisions at $\sqrt{(s_{NN})}=5$ TeV is extended to the Λ_c baryon, providing the first measurement of charmed baryon production in pA collisions. The result is compared to the analogous measurement on charmed mesons, providing an insight on the production mechanism of charmed hadrons.

List of tracks

Heavy-flavour (open and hidden)

Presenter: SUN, Jiayin (Tsinghua University)

Session Classification: Parallel Heavy flavour

Track Classification: Heavy-flavour (open and hidden)