

Erratum: Measurement of the Λ_c^+ to D^0 production ratio in peripheral PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV

The LHCb collaboration

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ABSTRACT: We report on a measurement of the Λ_c^+ to D^0 production ratio in peripheral PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with the LHCb detector in the forward rapidity region $2 < y < 4.5$. The Λ_c^+ (D^0) hadrons are reconstructed via the decay channel $\Lambda_c^+ \rightarrow pK^-\pi^+$ ($D^0 \rightarrow K^-\pi^+$) for $2 < p_{\text{T}} < 8$ GeV/ c and in the centrality range of about 65–90%. The results show no significant dependence on p_{T} , y or the mean number of participating nucleons. They are also consistent with similar measurements obtained by the LHCb collaboration in pPb and Ppb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. The data agree well with predictions from PYTHIA in pp collisions at $\sqrt{s} = 5$ TeV but are in tension with predictions of the Statistical Hadronization model.

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Because of an error made by the typesetter, the name of the last author in the author list wrongly appears as “G. Cynic’s” while the correct name is “G. Zunica”.

The original files has been corrected.

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











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