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Production of $\Xi(1530)^0$ in p-Pb collisions at the LHC with ALICE

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The measurement of resonance properties in p-Pb collisions allows for the study of nuclear effects in the absence of hot and dense nuclear matter. The production of the $\Xi(1530)^0$ baryonic resonance (and its antiparticle) has been studied with the ALICE detector in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV at the CERN LHC.

The transverse momentum (p_{T}) spectrum of the $\Xi(1530)^0$ baryon in the rapidity range ($0 < y_{CMS} < 0.5$) is reported in different multiplicity classes. The integrated yield $\mathrm{d}N/\mathrm{d}y$ and average p_{T} as a function of the event multiplicity ($\mathrm{d}N_{ch}/\mathrm{d}\eta$) are also presented. These results are compared with corresponding results in pp collisions.

On behalf of collaboration:

ALICE

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