Multiply strange baryon production in AuAu collisions at $\sqrt(s_{NN}) = 130$ GeV

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Abstract

The prediction that production of strange quarks will be enhanced in a quark gluon plasma has prompted a keen interest in the measurement of strange hadrons from high energy nuclear collisions. The production of the multiply strange baryons and their antiparticles are of particular interest because of their sensitivity to the strange quark density at the time of hadronisation. This appears to be confirmed by the enhancement factors reported by experiments at the CERN SPS. This poster will present the status of the analysis of multiply strange baryon production in AuAu collisions at $\sqrt(s_{NN}) = 130$ GeV, reconstructed in the STAR Time Projection Chamber.

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