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Multi-strange hadron production in p+p interactions at $\sqrt{s_{NN}}=17.3$ GeV

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The production of multi-strange hadrons in proton-proton interactions is recently studied with the NA61/SHINE experiment at the SPS. These particles are reconstructed via their weak decay topologies, exploiting the tracking and particle identification capabilities of NA61/SHINE. New measurements of rapidity and transverse momentum spectra of Ξ^- , Ω^- baryons, and Ξ resonances and their antiparticles will be presented. The recent results are compared to those observed in A+A collisions as well as to model predictions.

Collaboration

NA61/SHINE

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Session Classification: Strangeness (Yields)

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