Production of Strange Resonances in CC, SiSi and PbPb Collisions at 158 AGeV

The NA49 Collaboration

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Abstract

The experiment NA49 measured the production of ϕ_{1020}, K_{892} and Λ_{1520} via their hadronic decay channels in a large region of phase space. We will present new data on these resonances, in particular the centrality dependence of ϕ and $K*$ in PbPb collisions at 158 AGeV. In addition, we studied the A-dependence of ϕ production from pp via pPb to CC, SiSi and PbPb.

In the context of strangeness enhancement, we will compare the yields to those measured in pp collisions at the same beam energy. Comparisons with predictions from the statistical model and from UrQMD will be shown.

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