

Recent results from NA61/SHINE strong interaction programme

Wednesday, October 14, 2020 10:10 AM (35 minutes)

The research programme of the NA61/SHINE Collaboration covers a wide range of hadronic physics in the CERN SPS energy range (beam momentum 13A - 158A GeV/c), encompassing measurements of hadron-hadron, hadron-nucleus as well as nucleus-nucleus collisions. Data are analysed to better understand the properties of hot and dense nuclear matter. This talk will present the energy dependence of quantities inspired by the Statistical Model of Early Stage (kink, horn and step) as well as recent results of particle production properties in p+p and centrality selected Be+Be, Ar+Sc at the SPS energies. Moreover, the current achievements and future plans related to the measurement of open charm production will be presented.

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