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Strangeness and charm production at FAIR energies

Sunday, 7 May 2017 15:00 (30 minutes)

We present recent results on the sub- and near threshold production of multi-strange hadrons and of charmed hadrons. These particles allow to explore multi-step processes in dense hadronic matter. We provide an alternative explanation for the observed transparency ratios of Phi-mesons and show how the observed enhanced Cascade production at HADES energies can be explained. For the near and sub-threshold production of charmed hadrons, we present the first estimates for the SIS-100 energies, indicating that charm studies might still be feasible, even without SIS-300.

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