

Strangeness production in heavy-ion collisions at the NA61/SHINE experiment

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The study of strangeness production in heavy-ion collisions has been an active research area for several decades, as it provides crucial insights into the properties of strongly interacting matter. The NA61/SHINE experiment at CERN's Super Proton Synchrotron (SPS) is one of the leading experiments in this field, with a focus on the measurement of hadron production in a wide range of collision energies and system sizes.

The talk will emphasize the importance of measuring the strangeness production for the discussion concerning the onset of deconfinement. The latest results from the NA61/SHINE experiment on strangeness production in heavy-ion collisions will be discussed and compared to available world data and selected theoretical models.