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Recent results from the NA61/SHINE strong interaction physics programme

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Main physics goals of the NA61/SHINE programme on strong interactions are the study of the properties of the onset of deconfinement and the search for signatures of the critical point of strongly interacting matter. For these goals the scan through two dimensional phase diagram ($T-\mu_B$) is being performed at the SPS by measurements of hadron production in nucleus-nucleus collisions as a function of collision energy and system size.

In this contribution intriguing results on the energy dependence of hadron spectra and yields in inelastic p+p and centrality selected Be+Be and Ar+Sc collisions will be presented. In particular, the energy dependence of the signals of deconfinement, the “horn”, “step” and “kink”, and new results on fluctuations and correlations will be shown and compared with the corresponding data of other experiments and model predictions.

Summary

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