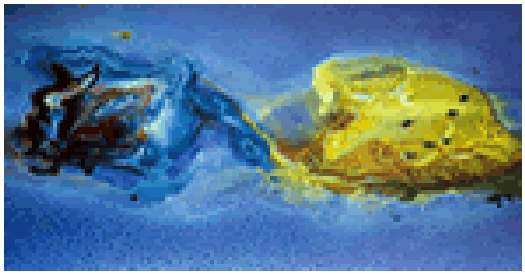

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Recent results of the NA61/SHINE experiment - spectra and study of the onset of deconfinement

Sunday, 5 August 2018 17:50 (20 minutes)

One of the main physics goals of the NA61/SHINE programme on strong interactions is the study of the properties of the onset of deconfinement. This goal is pursued by performing an energy (beam momentum 13A - 158A GeV/c) and system size (p+p, p+Pb, Be+Be, Ar+Sc, Xe+La) scan. This talk will review results and plans of NA61/SHINE. In particular, recently obtained inclusive spectra in inelastic p+p and centrality selected Be+Be, Ar+Sc interactions at the SPS energies will be shown. The energy dependence of quantities inspired by the Statistical Model of the Early Stage (kink, horn and step) shows interesting behavior in p+p interactions, which is not described by Monte-Carlo models. Moreover a comparison with Be+Be, Ar+Sc collisions and results from other heavy ion experiments will be performed.

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