

Fluctuations and correlation from NA61/SHINE

Thursday 10 August 2017 10:00 (30 minutes)

Recent results on fluctuations and correlations in p+p, Be+Be and Ar+Sc collisions at the CERN SPS energies will be reviewed. In particular, results on multiplicity fluctuations will be presented and discussed. The scaled variance of multiplicity distribution decreases rapidly when going from Be+Be to Ar+Sc collisions. At the same time the ratio of mean multiplicity of positively charged kaons and pions shows a significant increase. The two observations will be interpreted as the first evidence of the percolation threshold in high energy nucleus-nucleus collisions.

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