

Search for the critical behavior at NA61/SHINE

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NA61/SHINE is a fixed-target experiment at CERN SPS which conducts studies of strongly interacting matter. The search for experimental signatures of the critical point is performed via comprehensive two-dimensional scan of the phase diagram of strongly interacting matter by changing beam momenta (13A – 150A GeV/c) and the colliding system size (p+p, p+Pb, Be+Be, Ar+Sc, Xe+La). Recent NA61/SHINE results on the critical behavior search in terms of two-particle correlations, multiplicity and transverse momentum fluctuations, femtoscopy studies and intermittency analysis will be presented.

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