



Contribution ID: 328

Type: **Invited Talk for Parallel Sessions (Invitation Only)**

Recent results from Beam Energy Scan, looking for a critical point in the QCD phase diagram

Monday, 26 May 2025 16:30 (25 minutes)

The Quark Gluon Plasma (QGP) is been studied with high-energy heavy-ion collisions at various experimental facilities in order to investigate the properties of the phase transition and the QCD phase diagram, from the high-temperature phase such as early universe to the high-density phase such as neutron and compact stars, where the first order phase transition and critical end point are expected towards the high baryon density area in the phase diagram, which are being actively searched at Relativistic Heavy-Ion Collider (RHIC) at BNL and several on-going and future facilities. The recent experimental results from the Beam Energy Scan Program (BES-I and BES-II) will be shown and discussed especially on fluctuation, flow and correlation in this presentation especially related to the first order phase transition and critical end point.

Primary author: ESUMI, ShinIchi (Univ. of Tsukuba)

Presenter: ESUMI, ShinIchi (Univ. of Tsukuba)

Session Classification: Parallel Session

Track Classification: Hot and Dense Nuclear Matter