

## **QCD critical point and event-by-event fluctuations**

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Observables measuring the magnitude and non-Gaussianity of event-by-event fluctuations can be used to discover the QCD critical point in heavy-ion collisions. I shall describe theoretical predictions for the non-Gaussian measures such as skewness, kurtosis and corresponding mixed moments as a function of the beam energy in the presence of the QCD critical point. I shall discuss implications for the RHIC Beam Energy Scan and what we can learn from recent data.

**Author:** Prof. STEPHANOV, Misha (UIC)

**Co-authors:** ATHANASIOU, Christiana (MIT); Prof. RAJAGOPAL, Krishna (MIT)

**Presenter:** Prof. STEPHANOV, Misha (UIC)

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