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## QCD Critical Point and Event-by-event Fluctuations

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QCD critical point is a singularity on the QCD phase diagram with distinct signatures which make possible its discovery in heavy-ion collisions. I shall describe the characteristics of the non-monotonous behavior of observables measuring the magnitude and non-Gaussianity of event-by-event fluctuations 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.

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