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Correlations and fluctuations in heavy-ion collisions

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Correlations and fluctuations provide critical insight into the formation and evolution of the Quark Gluon Plasma (QGP), the initial state of collisions used to create the QGP, hadronization mechanisms, and the nature of the QCD phase transition. I will discuss the latest correlations and fluctuations results, and discuss what the implications are for strongly coupled matter created in heavy-ion collisions.