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RHIC results on the energy dependence of flow fluctuations at all harmonics

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Recent theoretical and experimental studies have demonstrated that initial state geometry fluctuations can dominate two particle correlation measurements and flow fluctuations. In this talk, I will summarize some of the most convincing studies that have established this paradigm. Recent data sets gathered in the RHIC beam energy scan can be used to study these effects from energies below the expected threshold for QGP formation to well above the threshold. I'll review these measurements and discuss possible signatures for increases in the degrees of freedom at the boundary between a hadronic gas and QGP.