



Nuclear Theory

Femtoscscopy of the system shape fluctuations in heavy ion collisions

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(Submitted on 29 Jun 2011)

Dipole, triangular, and higher harmonic flow that have an origin in the initial density fluctuations has gained a lot of attention as they can provide additional important information about the dynamical properties (e.g. viscosity) of the system. The fluctuations in the initial geometry should be also reflected in the detail shape and velocity field of the system at freeze-out. In this talk I discuss the possibility to measure such fluctuations by means of identical and non-identical particle interferometry.

Comments: 4 pages, Proceedings of Quark Matter 2011 Conference, May 23 - May 28, Annecy, France

Subjects: **Nuclear Theory (nucl-th)**

Cite as: [arXiv:1106.5830v1](https://arxiv.org/abs/1106.5830v1) [nucl-th]

Submission history

From: Sergei A. Voloshin [[view email](#)]

[v1] Wed, 29 Jun 2011 02:11:41 GMT (254kb,D)

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