Nuclear Experiment

New flow observables

Rajeev S. Bhalerao, Matthew Luzum, Jean-Yves Ollitrault

(Submitted on 24 Jun 2011 (v1), last revised 15 Jun 2012 (this version, v2))

Event-by-event fluctuations of the initial transverse density profile result in a collective flow pattern which also fluctuates event by event. We propose a number of new correlation observables to characterize these fluctuations and discuss how they should be analyzed experimentally. We argue that most of these quantities can be measured at RHIC and LHC.

Comments:	For Quark Matter 2011 Proceedings. v2: Mistake in the Glauber calculation corrected after publication. Minor changes in Fig. 1. Text unchanged
Subjects:	**Nuclear Experiment (nucl-ex)**; Nuclear Theory (nucl-th)
Journal reference:	J. Phys. G: Nucl. Part. Phys. 38 (2011) 124055
DOI:	10.1088/0954-3899/38/12/124055
Report number:	Saclay t11/161
Cite as:	**arXiv:1106.4940 [nucl-ex]**
	(or **arXiv:1106.4940v2 [nucl-ex]** for this version)

Submission history

From: Jean-Yves Ollitrault [view email]
[v1] Fri, 24 Jun 2011 11:39:30 GMT (32kb)
[v2] Fri, 15 Jun 2012 09:16:28 GMT (32kb)

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