

# WRITE-UP FOR QGP MEET - 2012

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## Abstract

Deadline for submission of the abstract is 26 Dec 2012. Please make a tar file of all the files and send the tar file by email to ‘[qgpmeet@vecc.gov.in](mailto:qgpmeet@vecc.gov.in)’. If you do not get the acknowledgement within 5 days of your submission then please do write to ‘[jajati-quark@vecc.gov.in](mailto:jajati-quark@vecc.gov.in)’ for an query. All the contributory talks should not exceed 5 pages in this format. The manuscript will be published in a book format by Narosa Publication, New Delhi, India.

## 1 Introduction

The 5th National workshop on Ultra-relativistic Heavy-Ion Collisions, QGP Meet-2012 was held during 3-6 July 2012 at Variable Energy Cyclotron Centre, Kolkata. Being a premier Institute in the field, it brought together the researchers, experts and scholars to discuss the physics of Quark-Gluon Plasma (QGP) and its connection with the early Universe. The most noticeable feature of the workshop was the participation of a large number of energetic and vibrant Ph.D. students who made the discussions quite lively. In fact, majority of the talks were presented by the young research scholars. The workshop started with a welcome by Dr. Dinesh Srivastava and inaugural address by Dr. Rakesh Bhandari. The scientific sessions started with an overview talk by Prof. Larry McLerran of Brookhaven National Laboratory. The program included large number of theoretical presentations, recent experimental results from BNL-RHIC and CERN-LHC, and future directions for LHC upgrade projects as well as experiments at GSI-FAIR. The announcement of New Boson (may be Higg’s) discovery took place on July 4, in the middle of the workshop. A special screening of the live broadcast from CERN was organized, which added a new flavour to the workshop.

## 2 Guidelines for the text of the manuscript

The full printed area including running head should be in a format of 4.75inch X 8inch. Once the manuscript is complete run a spell check programme through the text. Set the default style to normal and font to 10 point Times New Roman or similar. This will improve the overall appearance and the quality of the book.

Please note that only the paper title is to be set at 16 point. Name of contributors to appear in center in 12point bold upper lower and addresses in 10 point normal. Total text width should not exceed 4.75 in and text height should not exceed 8 in.

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Table 1: Initial conditions for the transport calculation. Colliding energies are in centre of mass frame

$\sqrt{s_{\text{NN}}}$ (GeV)	$T_i$ (GeV)	$T_c$ (GeV)
3.32	0.115	-
3.83	0.128	-
4.8	0.150	-
6.27	0.160	-
7.6	0.187	-
8.76	0.210	0.190
12.3	0.225	0.190
17.3	0.25	0.190
62.4	0.3	0.190
130	0.35	0.190
200	0.40	0.190

### 3 Guidelines for the Equations

- These are to be centred, and the equation number right justified.
- Equations should be referenced in the text at the appropriate place in the form of Eqn. 1
- All symbols in the equation should be explained within the text.
- Authors may prefer to include a separate section detailing all nomenclature.

$$y = x^4 + 3x^3 - 5x + 9 \tag{1}$$

where  $x$  is the time in second and  $y$  is the displacement in centimeter.

### 4 Guidelines for References

Journal reference should include: author's surname and initials; surnames and initials of remaining authors; year of publication ( in brackets); article title (in italics); abbreviated journal title; volume number (in bold); page numbers ; language of publication except for English if relevant (in brackets) . Reference to book should include: author's surname and initials; surnames and initials of remaining authors; year of publication (in brackets); the book title (in italics); volume, chapter or page (with pp.) numbers if relevant; the name of the publisher: place of publication; language of publication except for English if relevant (in brackets). Reference to multi-author work should include after the year of publication: the chapter title (in italics); followed by book title; surname(s) and initials of editor(s) and abbr. ed or eds (in brackets); and volume number when appropriate; and page numbers; the name of the publisher: place of publication; language of publication except for English if relevant (in brackets). [1, 2].

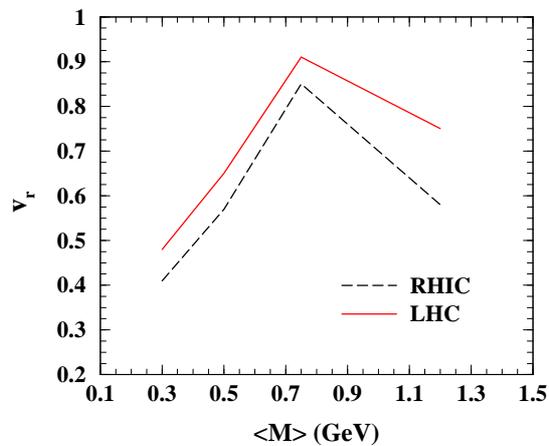


Figure 1: Radial velocity as a function of  $M$  for RHIC and LHC energies.

## 5 Summary

## 6 Acknowledgement

The organizers take the opportunity to acknowledge the financial support from DAE-BRNS and VECC. Thanks to Tushar, Jayant, Nilima and the canteen committee for their extended help during the workshop.

## References

- [1] VECC News letter; *Proceedings of the 5th National workshop on Ultra-Relativistic Heavy Ion Collisions: QGP Meet-2012*; J. Phys. G (2007) **34**, S173-S1168.
- [2] Nayak, T. K, Sarkar, S and Nayak, J. K Phys. Rev. C, (2009) **xx**, 1.