

Draft of CuCu paper

- The goal of this paper is to extend the Npart range of AuAu measurements and understand the effect of the shape of the overlap zone by comparing peripheral AuAu and central CuCu
- Another physics goal is the rapidity dependence of spectra, R_{AA} etc.
- The fundamental objects of the paper are the spectra. These are in pretty good shape. These are fitted to various functions forms, in particular the blast wave and dN/dy , $\langle pt \rangle$ etc are derived.

Issues with Blast Wave

- There have been some technical issues producing error contours but these will soon be overcome.
- The χ^2 surface does not seem to be parabolic.
- When calculating derived quantities such as dN/dy and $\langle pT \rangle$ it is very difficult to propagate the full error matrix because of various numerical integrals
- The systematic errors from using different functional forms are generally larger than the (parabolic) errors.

Issues with R_{AA}

- Selemmon needs to use the latest pp data
- We have to think about the systematic errors which are currently just placeholders.

Issues with text

- The paper needs a lot more references and a more coherent physics message.
- Michael reading recent STAR and PHENIX papers and trying to see how our data fits into this.
- Also the tables need to be cleaned up