



Contribution ID: 18

Type: **Talk**

## **Imaging of fragmented fireball and in non-central collisions**

*Friday 16 October 2009 17:50 (30 minutes)*

We calculate the images of particle-emitting sources which might result from the scenario where fireball fragments at the phase transition. This can happen due to sudden appearance of the bulk viscosity or via spinodal decomposition. We discuss the constraints on the fragmented source from data by PHENIX collaboration. We also study the images which result from summing up of many randomly oriented sources in non-central collisions and compare them with an image obtained from azimuthally symmetric averaged source.

**Author:** TOMÁŠIK, Boris (Univerzita Mateja Bela - Banska Bystrica - Slovakia)

**Co-author:** CHUNG, Paul (Nuclear Physics Institute ASCR)

**Presenter:** TOMÁŠIK, Boris (Univerzita Mateja Bela - Banska Bystrica - Slovakia)

**Session Classification:** Collectivity in p+p

**Track Classification:** Beyond Gaussians: Extracting Detailed Size and Shape Information