



Contribution ID: 613

Type: Poster

## Bjorken expansion with gradual freeze out via HBT

*Tuesday 15 May 2018 19:10 (30 minutes)*

For Bjorken models with gradual freeze out, the resulting post freeze out momentum distribution practically does not depend on the layer thickness. Using such a model we calculate the pion correlation function produced in Pb+ Pb central collisions. The correlation function is in qualitative agreement with other publications but our model allows us to perform a more detailed study of how this affects the final observables. We also find a good agreement with experimental data from ALICE and we deduce that long freeze out averaged correlation functions are more similar to experimental data than sharp freeze out.

### Content type

Theory

### Collaboration

### Centralised submission by Collaboration

Presenter name already specified

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**Session Classification:** Poster Session

**Track Classification:** Collective dynamics