



Contribution ID: 576

Type: Poster

## on QGP signals in high energy pp collisions

*Thursday, August 16, 2012 4:00 PM (2 hours)*

We will address the possibility of QGP formation in pp at 7TeV and 14 Tev with given life scan and size of QGP

based on quantitative model estimation and constrained with all available data at LHC from the four collaborations.

Then discuss the possible QGP signals in pp collisions, which certainly differ to the QGP signals in AA collisions.

To theoreticians: Most of you think QGP formation is possible at high energy pp collisions. But why not do some quantitative calculations

and give helpful references to the experimental exploration.

To experimentalists: The employment of hydrodynamics in pp looks so unreliable. But don't forget at the beginning

of hydro employment in AA some years ago, it looked the same unreliable. Nowadays the widely employment of hydro

have helped us learn so much about the nature of the matter created in high energy heavy ion collisions.

It is a fact that the difference between a high-multiplicity 7TeV pp system and a 200AGeV AuAu system is much much smaller

than the difference between a 200AGeV AuAu system and a Moore of any kind of matter. So be open to take hydro employment in pp

—it may be useful references for you!

The impact of QGP formation in pp is unknown, and waiting for our exploration.

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**Session Classification:** Poster Session Reception

**Track Classification:** Global and collective dynamics