



Contribution ID: 96

Type: **not specified**

On the onset of the ridge structure in the framework of string percolation

Thursday, 12 September 2013 18:40 (20 minutes)

The RHIC data on Au-Au collisions at 62.4 and 200 GeV/c show that the strength and width of the ridge structure for near side particles change sharply at different number of charged particle multiplicities. The LHC data on pp and p-Pb show that there is also a change on the strength of the ridge structure above certain number of charged particle multiplicity. We describe an unified picture for every kind of collisions of this onset of the ridge structure in the framework of string percolation. This picture is able to describe the observed different rise of the mean transverse momentum as a function of the multiplicity for pp at 0.9, 2.76 and 7 TeV, p-Pb at 5.02 TeV and Pb-Pb at 2.76 TeV.

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Session Classification: Parallel talks - Session 2A