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Multiplicity dependent and non-binomial efficiency corrections, plus novel observables for critical fluctuations in heavy-ion collisions

Tuesday, 28 June 2016 14:00 (20 minutes)

I will discuss multiplicity dependent and non-binomial efficiency corrections to higher order cumulants in heavy-ion collisions. These effects are quantitatively important and cannot be treated using the factorial moments. The most straightforward method to implement these corrections will be presented. In the second part of my talk I will discuss a novel observable that is sensitive to the critical clustering of protons in heavy-ion collisions.

Based on:

A.Bzdak, R.Holzmann, V.Koch, arXiv:1603.09057 [nucl-th]

A.Bzdak, V.Koch, V.Skokov, to be published

On behalf of collaboration:

None

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