

Rapidity dependence of proton cumulants

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I will discuss in detail the rapidity and transverse momentum dependence of higher order proton cumulants and multi-proton correlation functions in the context of potential proton clustering. I will also argue that the cumulant ratios possibly satisfy a specific scaling with the number of observed protons. The contribution of genuine four-proton correlation functions at the lowest RHIC energies is discussed.

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