

Shadowing effects in Glauber modelling of nucleus-nucleus collisions and the initial state through spectators and net charge

We will discuss the effect of including shadowing due to leading nucleons on those located in the interior in the standard two-component Glauber model of nucleus-nucleus collisions. It will be shown that there is a much better agreement between model and data for various observables after including shadowing effects. We will also discuss on a new way for event shape engineering through bins of spectators and net charge.

Based on: arxiv: 1508.02338, 1510.01311, 1601.03971

Collaboration

Primary author(s) : CHATTERJEE, Sandeep (Variable Energy Cyclotron Centre)

Presenter(s) : CHATTERJEE, Sandeep (Variable Energy Cyclotron Centre)

Session Classification : Poster