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Can Baryon Stopping be understood within the String Model?

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Baryon stopping, experimentally established by the changing shape of net-proton rapidity distributions as a function of beam energy, is still lacking a proper theoretical understanding. In this work, baryon stopping in heavy ion collisions is investigated. In a hadronic transport approach the colliding nucleons form a string, which fragments, producing new hadrons. From the comparison with data, it is possible to fix parameters of the string model (for example the formation time of the produced hadrons) and to find out whether baryon stopping can be described within the string model or other mechanisms are needed.

Content type

Theory

Collaboration

Centralised submission by Collaboration

Presenter name already specified

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