Baryon Number Transfer in p+p, p+A and A+A Collisions at SPS Energies

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Abstract

The distribution of net baryon number including neutrons is studied in the final state of p+p, n+p and centrality-defined p+Pb collisions. The resulting systematic behaviour as function of the number of elementary hadronic collisions is compared to final state net proton distributions in C+C, Si+Si and Pb+Pb interactions of varying impact parameter, yielding an overall picture of baryon stopping in these different hadronic reactions.

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