

Charged fragments-spectators measurements with Scintillation Wall in the BM@N experiment Xe+CsI@3.8 AGeV

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The report presents the performance of the BM@N Scintillation Wall (ScWall) achieved during the first physics run at the Nuclotron accelerator with Xe+CsI at 3.8 AGeV collisions. The report is devoted to the design of the ScWall and its capability to differentiate charged fragments produced in nucleus-nucleus collisions. The measured charge spectrum and the ability of the ScWall to measure nucleus-nucleus collision geometry are presented. In addition, a comparison between the experimental data and the simulation is provided.

Section

Heavy ion collisions at Intermediate and high energies

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