

XXV International Baldin Seminar on High Energy Physics Problems  
"Relativistic Nuclear Physics and Quantum Chromodynamics"



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on High Energy Physics Problems  
*Relativistic Nuclear Physics & Quantum Chromodynamics*  
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## Performance of BM@N Scintillation Wall in Xe+CsI@3.8 AGeV run

*Thursday, 21 September 2023 11:20 (20 minutes)*

This work presents scintillation wall performance during the first run at Nuclotron accelerator with Xe-nuclei collisions and CsI target at a beam kinetic energy of 3.8 AGeV in 2022-2023. The scintillation wall design and its ability to distinguish the charged fragments from nucleus-nucleus collisions will be discussed. The range of measured charges, the operation of the wall and its sensitivity to collision centrality and correlations between the number of fired cells in the wall with observables from other detectors will be shown. Experimental data will be shown in comparison to simulated data.

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