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Study of Pseudorapidity Distributions of Shower Particles Emitted in Interactions of Nuclei with Emulsion at 4.1- 4.5 A GeV/c

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Abstract: The pseudorapidity distributions of shower particles in interactions of 4.5 A GeV/c ^{12}C , ^{16}O , ^{28}Si and ^{22}Ne at 4.1 A GeV/c with emulsion have been presented. The dependence of these distributions on the target nuclei (AgBr and CNO) have been investigated. The energy density for ^{24}Mg -Pb interactions is calculated using the Bjorken model.



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