

STUDY OF THE CHARGE EXCHANGE PROCESSES  
OF A TARGET PROTON IN  $^{16}\text{O}p$ -COLLISIONS  
AT A MOMENTUM OF  $3.25A \text{ GeV}/c$  PER NUCLEON

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S u m m a r y

The processes of charge exchange of a target proton in  $^{16}\text{O}p$ -collisions at a momentum of  $3.25A \text{ GeV}/c$  have been studied for the first time under the conditions of  $4\pi$ -geometry. New data are reported concerning the average multiplicities of fragments and pions, as well as the data on the inelastic cross-sections of topological channels of oxygen nucleus fragmentation in the reactions of charge exchange of the target proton with and without the transfer of its charge to the projectile nucleus. The mechanism of transfer of the target proton charge to the projectile nucleus has been studied.