

APPROACH TO KINEMATICALLY COMPLETE MEASUREMENTS OF THE FINAL STATE INTERACTIONS FOR TWO PRODUCTS OF DEUTERON BREAKUP BY PROTONS WITH ENERGY 5.5 MeV

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The purpose of this paper is to obtain the data for separation of parameters of the two body scattering amplitude and interaction in energy range 0 - 400 keV, that is practically impossible in direct experiments "beam - target". Chosen geometric conditions of registration on coincidences of two reaction products $p + d \rightarrow p + p + n$ allow to observe their interaction with the large validity if nucleons in pp - or pn - pairs move in the same direction. Requirements and available conditions of preparation and undertaking kinematically complete experiment for registration on coincidences of two protons from deuteron breakup are discussed. The data for several sets of kinematic conditions of experiment are presented.