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Single ionization of helium atom by protons in the parabolic quasi-Sturmian approach

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Singly ionizing ion-atom collisions are investigated theoretically. A parabolic quasi-Sturmian approach is applied to the single ionization of helium atom by intermediate- and high-energy protons. The fully differential cross sections (FDCSs) are calculated for 1 MeV and 75 keV protons.

Section

Nuclear structure: theory and experiment

Primary author: POPOV, Yuri (Nuclear Physics Inst., Moscow State Univ., BLTP JINR)Presenter: POPOV, Yuri (Nuclear Physics Inst., Moscow State Univ., BLTP JINR)Session Classification: Nuclear structure: theory and experiment