Contribution ID: **281** Type: **Poster**

Classical Nuclear Simulations of the $\pi^+(^3He, ppn)\pi^+$ Reactions with Quantum Corrections

Wednesday, 24 May 2017 15:45 (15 minutes)

We investigated quantum corrections to classical nuclear simulations of the $\pi^+(^3He, ppn)\pi^+$ reactions.These simulations are often used to describe nuclear reactions which lead to many final states.The ratio of the quantum multiple scattering to the classical cross section for the same process is used as a correction to the classical model calculation.The single,double,triple and all scatterings for the scattering protons of different angles are presented.

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Session Classification: Poster Presentation I

Track Classification: Plasma and Ion Physics, Nuclear and Radiation Physics