



Contribution ID: 105

Type: Poster

## Quasielastic scattering of 6He, 7Be, and 8B Nuclei by 12C nuclei

Thursday, 3 September 2015 16:30 (1h 30m)

Using the nuclear diffraction model and the high-energy approximation with double-folding potential based on CDM3Y6 interaction [1], the observed cross sections of quasi-elastic scattering of 6He, 7Be, and 8B nuclei by 12C nuclei at intermediate energies were described. The calculations performed using realistic nucleon density distribution for target nucleus [2]. Moreover the Coulomb interaction and inelastic scattering with excitation of low-lying collective states of the target [3] were taking into account. The calculated angular dependencies of cross sections are in good agreement with corresponding experimental data [4,5].

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Session Classification: Poster