

**ELASTIC, INELASTIC SCATTERING AND ONE-NUCLEON TRANSFER IN THE  $^{11}\text{B} + ^{12}\text{C}$   
INTERACTION AT  $E_{\text{LAB}}(^{12}\text{C}) = 61$  MEV  
AND ENERGY DEPENDENCE OF OPTICAL POTENTIALS**

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The angular distributions for elastic and inelastic scattering of  $^{12}\text{C}$  ions on  $^{11}\text{B}$  nuclei at  $E_{\text{lab}}(^{12}\text{C}) = 61$  MeV for transitions to ground and low-excited states of  $^{12}\text{C}$  and  $^{11}\text{B}$  were obtained. These experimental data and data at other energies were analyzed with the help of optical model and model of coupled channel reactions. Energy dependence of the parameters of optical potential for  $^{12}\text{C} + ^{11}\text{B}$  scattering was studied.