

ELASTIC AND INELASTIC SCATTERING
FOR ^{12}C - ^{12}C REACTIONS

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S u m m a r y

The double folding potential proposed by Wilson and the M3Y potential are used for the calculation of elastic and inelastic differential cross-sections. These calculations are performed for the ^{12}C - ^{12}C reactions at the energies $E_{\text{lab}} = 1016, 1440, \text{ and } 2400$ MeV with regard for the Pauli correlation effect. A satisfactory agreement with the experimental data is obtained. The agreement is better, as the energy is increased.