

## **The effect of in-medium nucleon-nucleon cross section on the elastic scattering of heavy-ion reaction**

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**Abstract.** Elastic scattering cross section of heavy-ion reactions at low and intermediate energy is calculated . The calculations have been done using Coulomb modified Glauber model . The effect of the in-medium nucleon-nucleon (NN)

cross section on the elastic scattering calculations is studied. The obtained results are compared with the experimental data.