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Reaction cross sections of proton scattering from carbon isotopes: $^{9-22}$C KAORI KAKI, Department of Physics, Shizuoka University — Reaction cross sections of carbon isotopes for proton scattering are calculated in large energy region. Density distributions of carbon isotopes are provided from relativistic mean field results. Calculations are based on two procedures: the Glauber theory and elativistic impulse approximation, and are compared with each ther as well as with experimental data. A strong relationship between reaction cross section and root-mean-square radius is clearly hown for ^{12}C using a model distribution.

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