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Assuming No Blocking =  $N v n \text{ I } \sigma \text{ J I} = 1 \text{ cm}^2$  The  
Reaction Rate For The Two Reactants, I And J As In  
E.g., I (j,k) L Is Then: N I N 2th, 2024

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The Binding Energy Per Nucleon Dictates Results When

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Neutron Stars. Usually, The Method Used To Constrain L Is To Measure Nuclear Neutron Skins, Which Are The Differences Between The Radii Of The Neutron And Proton Distributions In Neutron-rich Nuclei (2, 5). This Method Is Based On The Density Decrease Of Atomic Nu-clei Near Their Surface; Neutrons Are Pushed Out To A Larger Radius Depending On ... 1th, 2024

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634 NUCLEAR PHYSICS AND MEDICAL APPLICATIONS A Particular Nuclear Species Is Called A Nuclide, And Is Represented By The Chemical Symbol Of Its Neutral Atom Together With Its Value Of A Written As A Pre-

Superscript. For Example,  $^{13}\text{C}$  Represents The Nuclide With 6 Protons (because All Carbon Atoms Have Six Protons), And  $^{13}_6\text{N}$  Neutron 2th, 2024

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