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$$J \text{ Flux per cm}^2 = n v \text{ Total Area Of Target Nuclei Per cm}^3 = n \int \sigma \int J \text{ Reaction Rate Per cm}^3 \text{ Assuming No Blocking} = N v n \int \sigma \int J = 1 \text{ cm}^2$$

The Reaction Rate For The Two Reactants, I And J As In E.g., I (j,k) L Is Then: $N_I N_J$ May 10th, 2024
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