

Theoretical Study of Electron Scattering with NF, NF₂, and NF₃ Molecules

Marwa H. Handhal*, Alaa A. Khalaf

Department of Physics, College of Sciences, University of Basrah, Basra, Iraq

*Corresponding author E-mail: marwa.hameed@uobasrah.edu.iq

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ARTICLE INFO	ABSTRACT
Keywords Electron molecules Collisions, Cross Sections, Scattering, Elastic, Sherman function	This article examined the differential cross-section and the integral cross-section (DCS & ICS) for NF _x molecules (where x: 1, 2, 3). The molecules underwent electron collisions (elastic scattering) within a defined energy range. A theoretical model has been employed to compute DCS and ICS at specific energies ranging from 1.5 eV to 100 eV. Overall, our DCS findings consistently aligned with measurements from other researchers; however, theoretical investigations on these compounds were limited.

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