

# Angular studies of electron collisions with atoms and molecules.

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Description: -

-Angular studies of electron collisions with atoms and molecules.

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A bullet has momentum, which is the product of its velocity and mass, so a heavy bullet moving at the same speed has a greater momentum, as does a faster bullet of the same mass.

**Collision of Photons with Atoms**

We generally select what we measure for! Extensions of close-coupling based models into the intermediate energy regime using pseudo-states is discussed, as is the adaptation of R-matrix methods to problems involving photons. Spin-Orbit L-S Coupling The fact that electrons are magnetic dipoles has another interesting consequence.

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Schrodinger's wave equation describes the system and its behaviour.

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Eigenvectors and eigenvalues crop up a lot in physics and mathematics as the solutions to physical problems.

**PEAD — for the calculation of photoelectron angular distributions of linear molecules**

The magnets are about 10 cm long and the beams travel for about a further 50 cm upon leaving the magnetic field, before striking the detector.

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