Special Issue

Electron-Impact Ionization: Fragmentation and Cross-Section

Message from the Guest Editor

The scope of this Special Issue encompasses a broad range of topics related to electron-ionization processes, including theoretical and experimental studies of fragmentation mechanisms, cross-section measurements, and computational simulations of electron-impact ionization. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Fragmentation pathways following the ionization of the parent species;
- Branching ratio or the mass spectra of the positive ionization of the target;
- Electron-impact ionization cross-sections covering total and partial cross-sections.

Through this Special Issue, we aim to provide information not only on atoms and molecules but also on ions.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2025)

Atoms

an Open Access Journal by MDPI

Impact Factor 1.5
CiteScore 3.1

mdpi.com/si/220011

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About the Journal

Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic,
molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning
the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you
to contact me or any of the Editorial Board Members for further information.

Editor-in-Chief

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