

Special Issue

X-Ray Spectroscopy in Astrophysics

Message from the Guest Editor

This Special Issue is focused mainly on laboratory-based astrophysics and seeks to introduce the development of experimental measurements and theoretical developments in fundamental atomic collision processes with highly charged ions. These include high-resolution X-ray measurements with electron beam ion traps and highly charged ion accelerators, recent progress in the direct measurement of charge exchange state selectivity, as well as electron impact excitation and dielectron recombination processes. The Special Issue aims to present some examples showing the importance of atomic physical data in astrophysical X-ray modeling. This Special Issue will be helpful for astrophysical X-ray studies with next generation of high-resolution X-ray missions.

Guest Editor

Dr. Ruitian Zhang

Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou 730000, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atoms@mdpi.com

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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

Prof. Dr. Pascal Quinet

1. Physique Atomique et Astrophysique, Université de Mons, B-7000 Mons, Belgium
2. IPNAS, Université de Liège, B-4000 Liège, Belgium

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