Special Issue

Plasma Spectroscopy in the Presence of Magnetic Fields

Message from the Guest Editor

Among laboratory and astrophysical plasmas, many are subject to magnetic fields. In these so-called magnetized plasmas, magnetic fields affect the plasma constituents in a number of ways: Motion of charged particles and internal atomic structure of neutrals and ions. From the spectroscopic point of view, the presence of a magnetic field in a plasma can have different signatures on the emission line spectra depending on its strength and on the plasma conditions. This Special Issue is intended to regroup all kinds of spectroscopic techniques based on static or transient magnetic fields in magnetized plasmas and the associated progresses made in the recent years. It concerns magnetic fusion and all other magnetized plasmas such as astrophysical plasmas and high-density laser-produced ones and encompasses passive, active and plasma polarization spectroscopy. Original papers on Stark-Zeeman line broadening, Zeeman effect, motional Stark effect and related topics within the scope of *Atoms* are welcome. Dr. Mohammed KOUBITI

Guest Editor

Dr. Mohammed Koubiti

Physics of Ionic and Molecular Interactions (PIIM), UMR7345, Aix-Marseille Université—CNRS, Centre Saint Jérôme, Case 232, CEDEX 20, 13397 Marseille, France

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

mdpi.com/journal/atoms

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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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