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## Recent Advances in Ion-Impact Atomic Collisions: Experiment, Theory and Applications

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

Ion-impact atomic collision studies have shaped our understanding of the microscopic world and continue to play an important role in shedding light on fundamental properties and processes of atomic and molecular few-body systems. At the same time, they provide insight and data of relevance for more applied research directions such as the study of fusion plasmas, X-ray emissions of astrophysical objects, and radiation damage of biological tissue. For this special issue we invite original contributions covering all aspects of contemporary heavy-particle atomic collision physics, ranging from the development of new theoretical or computational approaches and experimental techniques to the calculation and measurement of cross section data for specific processes and the use of collisional data in plasma modeling and other areas. The goal is to provide a snapshot of current research in the field, of new insights, developments, and applications and of open problems.

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*Guest Editors*



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# Special Issue