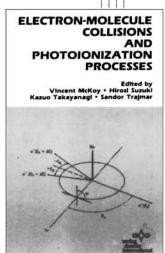


Electron-Molecule Collisions and Photoionization Processes

Edited by V. McKoy, H. Suzuki, K. Takayanagi, S. Trajmar

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This book presents the contributions of the participants of the first United States-Japan Seminar on Electron-Molecule Collisions and Photoionization Processes, held October 26–29, 1982 in Pasadena, California.

The articles show that each of the two fields under discussion offers a wide spectrum of reaction processes. The section on electron-molecule collisions and related processes includes discussions of dissociative electron attachment, electron impact dissociation of molecules, electron collision with polar molecules, spin-polarized electron collisions, and negative ion states of large molecules. The various aspects of photoionization processes are treated in articles on photodetachment threshold processes, molecular photoionization, multiphoton ionization of molecules, electron-impact ionization, and the rotational and vibrational excitation of molecules by low-energy electrons.

The discussions which summarize recent progress also make clear that further experimental and theoretical studies are needed in this rapidly expanding field.

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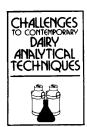


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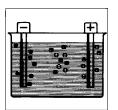
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