

## *Book reviews*

**V. McKoy, H. Suzuki, K. Takayanagi and S. Trajmar (eds.): Electron-Molecule Collisions and Photoionization Processes.** Deerfield Beach, FA, USA: Verlag Chemie International 1983. XVI/244 pp., 97 figures, 10 tables, price: DM 95,-

This book presents the contributions of the participants of the first United States–Japan Seminar on Electron–Molecule Collisions and Photoionization Processes, held in October 1982 in Pasadena, CA, USA. It gives a balanced and authoritative survey of both theoretical and experimental work in this rapidly developing field. The topics covered are elastic, inelastic and dissociative electron-molecule scattering as well as photoionization, dissociative photoionization and dissociative recombination. Some of the articles deal with recent and rather specialized developments (such as the theory of low-energy electron scattering from polar molecules), while others are comprehensive reviews (for example, on collision processes in the atmosphere).

The book addresses more the active researcher than the student. The individual articles are rather short (typically five to ten pages) and their main value lies in providing a convenient and up-to-date guide to the very extensive original literature in this field.

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Received March 12, 1984