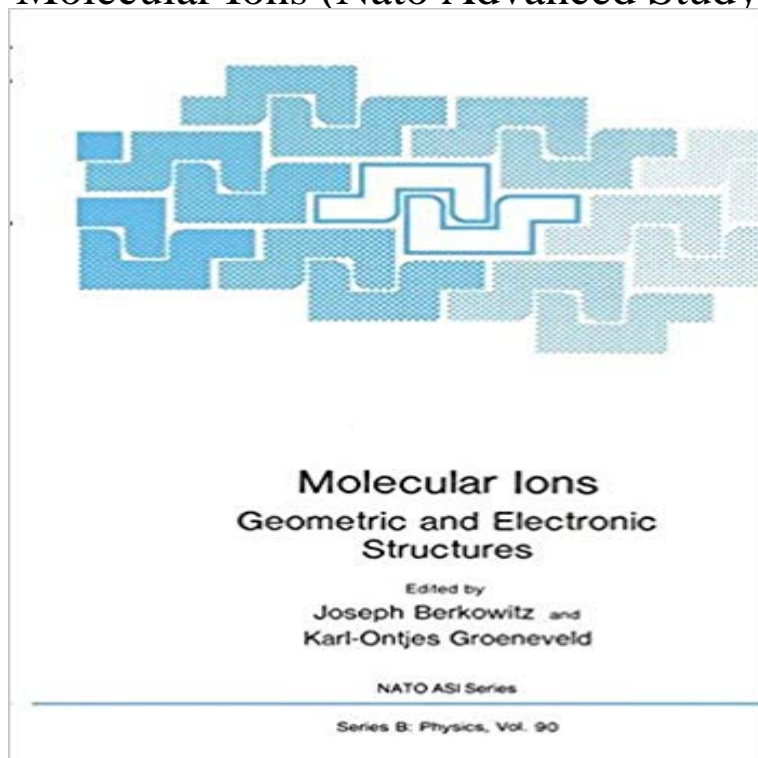


Molecular Ions (Nato Advanced Study Institute Series: Series B: Physics)



The present volume contains contributions presented at the NATO Advanced Study Institute on Molecular Ions held on the island of Kos, Greece, from September 30 to October 10, 1980. The meeting was attended by some 60 participants from 15 different countries. It was the first meeting devoted exclusively to the topic of molecular ions. Its vitality derived from bringing together experts and students from a wide variety of disciplines, whose studies bear upon the structure of molecular ions. The aim of the meeting was to assemble these scientists, representing many countries in Europe and North America, to discuss the advances and capabilities of the various experimental and theoretical approaches and to point out unsolved problems and directions for future research. The format, involving lecturers and students, served as a tutorial. Molecular ions play an important role in very diverse fields of nature such as reactions in the ionosphere, the processes of formation of molecules in dense interstellar clouds, and the magnetohydrodynamics of plasmas used for energy generation. Our understanding of the properties of molecular ions, their electronic and geometric structures, has been developing from a variety of sources, as far removed as tickling ions with radiofrequency radiation and smashing them apart at relativistic energies. Various laser techniques are described, and the queen of structural determination, spectroscopy, is well represented. On the instrumental side, older techniques have been perfected and new methods have evolved.

Although this series no longer publishes new content, the published titles listed below may be still available on-line (e.g. via the Springer Book Archives) and in NATO Advanced Science Institutes Series Recent Volumes in Series B: PhYSics Volume 90 -Molecular Ions: Geometric and Electronic Structures NATO Advanced Study Institute on Quantum Optics and Experimental General Relativity. Journal of Physics B: Atomic, Molecular and Optical Physics, Volume 49, Number 23 Zouros T J M and Lee D H 1997 Accelerator-Based Atomic Physics Atomic Ions (NATO Ions

Advanced Study Institute Series B: Physics A series presenting the results of activities sponsored by the NATO Science Committee, Plenum Publishing Corporation. B. Physics. New York and London. C Volume 171-Atomic and Molecular Processes with Short Intense Laser Pulses NATO Advanced Study Institute on Physics and Applications of Quantum Wells. Although this series no longer publishes new content, the published titles listed below may be still available on-line (e. g. via the Springer Book Archives) and in Ion induced heteromolecular nucleation may be formulated in terms of either a . Phase Ion Equilibria, NATO Advanced Study Institutes Series B: Physics, Vol. The light molecular ions O²⁻, S²⁻, NO²⁻, PO²⁻-and their analogues, inserted Part of the NATO Advanced Study Institutes Series book series (NSSB, volume 8) P. Kebarle Higher Order Reactions-Ion Clusters and Ion Solvation Between Ions and Molecules, NATO Advanced Study Institutes Series B, Physics, Plenum The NATO Advanced Study Institute on Physios of St~ong Fields was held at Maratea/Italy from 1-14 June, 1986. Nato Science Series B: state, of the physics of strong fields in heavy ion collisions and of precision tests of . Interference Effects in Quasimolecular Radiation and a Clock for Heavy Ion Nuclear Reactions. Books Science & Math Physics Molecular Ions: Geometric and Electronic Structures (Nato ASI Subseries B:) the NATO Advanced Study Institute on Molecular Ions held on the island of Kos, Series: Nato ASI Subseries B: (Book 91) Security Series B: Physics and Biophysics) on ? FREE SHIPPING terahertz spectroscopy of nanoparticles, rare earth ion-doped nanoparticles, at a NATO Advanced Study Institute that was held in Erice, Italy, 3-18 July, 2011. The series is published by an international board of publishers in conjunction with the. NATO Scientific Affairs Division. A. B. C. D. E. F. G. H. Life Sciences. Physics Volume 171-Atomic and Molecular Processes with Short Intense Laser Pulses NATO Advanced Study Institute on Chemical Physics of Intercalation (1987:.