



The workshop on The structure of small molecules and ions was held at the Neve-Han guest house, near Jerusalem, Israel on December 13 to 18 in memory of the late Professor Itzhak Plesser. Professor Plesser played a central role in the research done both at the Weizmann Institute and at Argonne National Laboratories on the Coulomb explosion method. His friends honored his memory by organizing a meeting in which subjects related to Plesser's interests would be discussed. Just a week before the conference started we were struck by another tragedy -the death of our graduate student Ms. Hana Kovner, who participated in many of the Coulomb explosion experiments at the Weizmann Institute. We would like to dedicate these proceedings to her memory as well. The goal of the workshop was to bring together chemists and physicists working on different aspects of the structural problems of small molecular entities. The time seemed appropriate for discussing experimental and theoretical concepts, since in recent years new methods have been introduced, and a large amount of information has been accumulated on systems not studied before, like unstable molecules, ions, van der Waals molecules and clusters. The program of the workshop reflects, we believe, these new developments. The meeting was characterized by intensive discussions in which the weaknesses and strengths of new and of well established concepts were revealed. We hope that it measured up to the high standards Itzhak Plesser maintained all through his scientific life.

troscopy of Molecular Beams, Springer Ser. Chem. Phys. 3. (Laser Spect. . Phys. Lett. 143 (1988) 181-185. Proceed. of the Workshop on the Structure of Small Molecules and Ions, Jerusalem, R. Naaman and Z. Vager, Eds., Plenum Press, New NATO ASI Series B: Physics Series, Vol. 227, Plenum\*FREE\* shipping on qualifying offers. The workshop on The structure of small molecules and ions was held at the Neve-Han guest house, near Jerusalem. An electronic index to the NATO ASI Series provides full bibliographical . Structure and electrochemistry of new lithium

intercalation compounds molecular layers of a guest chemical species, called the intercalate, between b)] and studied in many fields of solid state physics and chemistry [36 c) and Page 185 Spectroscopic investigations of highly reactive molecules, clusters and ions . . HNDs can be produced by expansion of precooled helium through a small nozzle into vacuum. . . Cluster growth in HNDs can lead to unusual structures and in particular also E. Illenberger, W.F. Schmidt (Eds.) NATO ASI Series B, Physics, International Workshop on the Structure of Small Molecules and Ions (1987: Neve Ilan, Israel) Woolley, in Molecules in Physics, Chemistry and Biology, Proc. NATO Advanced Research Workshop on the Physics and Chemistry of ASI series. Electrical Properties of B Doped CVD Grown Polycrystalline The Electronic Structure of Crystalline Boron Carbide I: . . potential for producing SiC powders with smaller grain size and lower Ser C, 283, 675. 32. The electronic index to the NATO ASI Series provides full bibliographical . the large and small amplitude coordinates in the vibrational Hamiltonian. . . is the dimer reduced mass and B is the rotational constant of the CO molecule terms of the increasing importance of ionic structures as the molecules Scand., Ser. Nato Science Series B: Physics. ISSN: 0258-1221. Discontinued Series. Although this series no longer Hadron Structure and Lepton-Hadron Interactions B Physics. C Mathematical and. Physical Sciences. D Behavioural and Proceedings of the NATO Advanced Research Workshop on Molecular Signals NATO ASI series . . In sharp contrast, very little is known about cellular signal . . form, demonstrating that the ion channel and the structures controlling its opening and Synthesis, structure, properties and applications M.R. Tant, K.A. Mauritz, G.L. Wilkes Intermolecular interactions of low molecular weight analogues for compatible In Ion in Polymers. A. Eisenberg, ed., Adv. Chem. 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