

CEPAS 2011

Invited Topical Lectures

- S. Yoshida, C. O. Reinhold, J. Burgdorfer, B. Wyker, S. Ye, F. B. Dunning*
Probing the coherent evolution of wavepackets in high Rydberg states
- D. G. Arbó, K. L. Ishikawa, E. Persson, J. Burgdörfer*
Quantum interferences in atomic ionization by short laser pulses
- P. Bolognesi, P. O'Keeffe, L. Avaldi*
Photofragmentation of organic molecules of biological interest
- J. Országh, M. Danko, A. Ribar, Š. Matejčík*
Excitation reactions studied by electron induced fluorescence method
- Lin-Fan Zhu and Ya-Wei Liu*
Differential cross sections of some noble atoms studied by fast electron impact and inelastic x-ray scattering
- M. J. Brunger, L. R. Hargreaves, D. B. Jones, R. Murrie, J. R. Brunton, O. Zatsarinny, K. Bartschat, G. García, F. Blanco, M. Hoshino, S. J. Buckman*
Cross sections for elastic electron scattering from iodine
- R. Moreh, D. Nemirovsky*
On deviations from theory of electron-atom elastic scattering cross sections
- S. Dujko, R. D. White, Z. M. Raspopović, Z. Lj. Petrović*
Spatially resolved transport properties for electrons in gases: definition, interpretation, and calculation
- J. P. Sullivan*
Positron scattering from krypton
- K. Houfek, M. Čížek, J. Horáček*
Resonant inelastic collisions of electrons with diatomic molecules
- J. Kopyra, H. Abdoul-Carime, E. Illenberger*
Electron driven processes in biomolecules
- A. Giuliani, A. R. Milosavljević, C. Nicolas, M. Réfrégiers, L. Nahon*
Photoionization and photodetachment study of trapped biopolymer ions in the gas phase
- A. R. Milosavljević, F. Blanco, J. B. Maljković, G. García, B. P. Marinković*
Absolute differential cross sections for electron scattering from building blocks of biopolymers
- A. V. Yakubovich, E. Surdutovich, A.V. Solov'yov*
Thermo-mechanical impact on biomolecules induced by ion beams propagating in biological medium as seen from molecular dynamics simulations
- J. Tamuliene, L.G. Romanova, V.S. Vukstich, A.V. Snegursky*
Electron-impact and thermal fragmentation of the amino acid molecules: mechanisms and structure of the molecules
- G. Weber, H. Bräuning, S. Fritzsche, S. Hess, R. Märtin, R. Reuschl, U. Spillmann, A. Surzhykov, D. F. A. Winters, Th. Stöhlker*
Hard X-ray polarimetry in energetic ion-atom collision
- I. Radović, V. Borka Jovanović, D. Borka, Z. L. Mišković*
Wake effect in the polarization of graphene by slowly moving charges

D. Borka

Channeling of charged particles through carbon nanotubes

R. J. Berezky, G. Kowarik, F. Ladinig, K. Tőkési, F. Aumayr

The effect of temperature on guiding of slow highly charged ions through mesoscopic glass capillaries

S. Cintă Pinzaru, A. Falamas, C. Dehelean

Laser Raman scattering from biomolecules in nanoparticles-embedded tissue

S. Denifl, F. Ferreira da Silva, P. Bartl, A. M. Ellis, T. D. Märk, P. Scheier

Scattering from biomolecules in helium droplets

S. Eden, B. Barc, P. Cahillane, N. J. Mason

Nanosecond-timescale UV multi-photon ionization of DNA base monomers and hydrated clusters

R. Ritter, G. Kowarik, R. A. Wilhelm, R. Heller, R. Ginzl, L. Maunoury, M. Toulemonde, C.

Dufour, H. Lebius, R. M. Papaléo, W. Rupp, Q. Shen, C. Teichert, S. Facsko, J. R. Crespo

López-Urrutia, J. Ullrich, F. Aumayr

Nanostructures formed on various surfaces due to the impact of individual slow highly charged ions