



Séminaire du LCPMR

Mardi 27 Janvier à 16 heures

Amphithéâtre Jean Perrin

POST-COLLISION-INTERACTION IN PROCESSES OF INNER SHELLS PHOTOIONIZATION

Sergei Sheinerman

St. Petersburg State Maritime Technical University, Russia

Photoionization of inner shells followed by single, double or multiple Auger decay is considered. The role of a special kind of electron correlation, post-collision interaction (PCI), is investigated in the studied processes. Such kind of interaction is associated to the Coulomb interaction between the emitted particles (photoelectron, Auger electrons, ion). The influence of the PCI on energy distribution of photoelectrons and Auger electrons will be discussed. Different features of the PCI in such processes are illustrated by measurements and calculations for the case of Ar 1s, Ar 2p, Kr 3d and Xe 4d atomic photoionization as like as for S 1s photoionization in the OCS molecule.



Mardi 15 juillet 2014

Amphithéâtre Jean Perrin

Laboratoire de Chimie Physique – Matière et Rayonnement

ATTENTION : horaire inhabituel, 10h30