

Conducător doctorat: Prof. dr. Ladislau NAGY

Nr. locuri la doctorat: 1

Loc 1/1 - bugetat fără bursă (*sesiunea iulie*)

Membrii comisiei de admitere

Prof. Nagy Ladislau

Prof. Bálint Zoltán

Conf. Járαι-Szabó Ferenc

Tematica pentru examen

1. Ionization and excitation of atoms. The definition of the cross section
2. The time dependent perturbation method in the treatment of electron transitions in atoms
3. Photoionization. The dipole approximation

Tematică interviu

1. Ionization and excitation of atoms. The definition of the cross section
2. The time dependent perturbation method in the treatment of electron transitions in atoms
3. Photoionization. The dipole approximation

Bibliografie

1. Taylor, Scattering Theory, Dover Publications, 2000
2. Newton, Scattering Theory of waves and Particles, Dover Publications, 2002
3. L. Nagy, Multi-electron processes in atomic collisions – Theory, Nucl. Instr. Meth B154 (1999) 23-130.
4. Photoelectron holography of atomic targets, S. Borbély, A. Tóth, D. G. Arbó, K. Tókési and L. Nagy, Phys. Rev. A 99 (2019) 013413.

Data și locul examenului

17 iulie, ora 10, sala 208