

## Lista de lucrări

### Lucrări publicate în reviste din străinătate

- [1] "Comment on "Origin of light-induced states in intense laser fields and their observability in photoelectron spectra", M. Stroe, M. Boca, *Phys. Rev. A*, **71**, 017401(3), (2005)
- [2] "Quasistationary Stabilization and Atomic Dichotomy in Superintense Low-Frequency Fields", I.Șimbotin, M. Stroe and M. Gavrilă, *Laser Physics*, **14**, 482-492,(2004)
- [3] "Phase- and helicity-dependent effects in three-color ionization", M. Fifiřig and M.C. Stroe, *Central European Journal of Physics*, **2**, 266-276, (2004).
- [4] "The one-dimensional  $\delta$ -function atom in a high frequency laser field", M. Stroe, M. Boca, V. Dinu and V. Florescu, *Laser Physics*, **13**, 1149-1157, (2003)
- [5] "Phase control in two-color multiphoton ionization of hydrogen", M. Fifiřig and M. Stroe, *Laser Physics*, **13**, 810-815, (2003).
- [6] "Asymmetries in two-photon ionization", M. Fifiřig and M. Stroe, *Laser Physics*, **12**, 963-970, (2002).
- [7] "Resonances and antibound states for the dressed one-dimensional  $\delta$ -function potential" M. Boca, C. Chirila, M. Stroe and V. Florescu, *Physics Letters A*, **286**, 410-417 (2001).
- [8] "Reactive collisions between electrons and molecular Hydrogen cation Isotopomers: Cross Sections and Rate Coefficients for  $HD^+$  and  $DT^+$ ", M. Stroe, M. Fifiřig, F. Waffeu Tamo, O. Motapon, O. Crumeyrolle, G. Varin, A. Butel, P. Vervisch, A. Suzor-Weiner and I. Schneider, acceptata la *Atomic and Plasma-Material Interaction Data for Fusion* (2005)

## Lucrări publicate în reviste ale Academiei Române

- [1] "The dressed states of an electron in the modified Poschl-Teller potential", M. Boca and M. Stroe, *Rom.Rep.Phys.*, **55**, 355-364, (2003)
- [2] "Quantum interferences of super-excited states: Application to electron-molecular cation reactive collisions", M. Stroe, A. Florescu, M. Fifirig, F. Waffeu Tamo, V. Ngassam, O. Motapon and I. Schneider, *Rom.Rep.Phys.*, **57**, 748-772, (2005)

## Cărți cu cod ISBN

- [1] "Probleme rezolvate de mecanică cuantică", C. Cioacă, M. Fifirig și M. Stroș Ed. Univ. Buc., **2001** (127 pag), ISBN 973-575-580-7.

## Comunicări la conferințe internaționale

- [1] "Collisions réactives entre électrons et cations moléculaires d'hydrogène", F. Waffeu Tamo, M. Stroe, M. Fifirig, S. Morisset, O. Motapon, A. Suzor-Weiner et I. Schneider, Reunion Interdisciplinaire *Intéraction de l'Hydrogène avec des surfaces*", Observatoire de Paris, 13-14 juin (2005)
- [2] "Floquet autoionizing states", M. Boca, I. Sîmbotin, M. Stroe and M. Gavrilă, *LSPHYS'05*, Trieste, 11-15 july (2004)
- [3] "Reactive collisions between electrons and hydrogen and oxyde molecular ions", F. Waffeu Tamo, M. Stroe, M. Fifirig, G. Varin, O. Crumeyrolle, O. Motapon and I. Schneider, *3<sup>rd</sup> IAEA Research Co-ordination Meeting on "Data for molecular processes in edge plasmas"*, Vienna, 1-2 nov. (2004)
- [4] "Light induced states and time evolution in short range potentials", M. Stroe and M. Boca, *LSPHYS'03*, Hamburg, 25-29 aug. (2003)
- [5] "Low-Frequency Atomic Dichotomy and Stabilization in Superintense Laser Fields", I. Sîmbotin, M. Stroe and M. Gavrilă, *LSPHYS'03*, Hamburg, 25-29 aug (2003) .
- [6] "Quasienergies and time evolution in intense laser fields" , M. Boca, M. Stroe and V. Florescu, *New Directions in Laser-Matter Interactions*, ULB-Bruxelles, 5-7 sept. (2002) .

## Comunicări la conferințe naționale

- [1] "Low frequency quasistationary stabilization and atomic dichotomy in superintense laser fields", I. Sîmbotin, M. Stroe and M. Gavrilă, *Conf.Nat.Fiz.Teor.*, Bucuresti-Magurele, 13-16 sept (2002)
- [2] "The one-dimensional  $\delta$ -function potential atom in a high frequency laser field", M. Stroe, M. Boca, V. Dinu, and V. Florescu , *Conf.Nat.Fiz.*, Târgu-Mures, 26-28 sept (2002)
- [3] "One dimensional systems interacting with electromagnetic field: high frequency limit", M. Boca, C. Chirila, M. Stroe and V. Florescu , *Conf.Nat.Fiz.*, Iasi, 18-20 oct (2001)

## ] Contracte de cercetare

- [1] CNCSIS 37116/34/2000
- [2] CNCSIS 35262/41/2001
- [3] MEC B 17/2001
- [4] CNCSIS 33618/109a/2002

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