

Publications and Conference contributions

Publications

1. Y.H. Jiang, R. Püttner, R. Hentges, J. Viefhaus, M. Poiguine, U. Becker, J. M. Rost, and G. Kaindl, Phys. Rev. A **69**, 042706 (2004),
Partial cross sections of doubly excited helium below the ionization threshold I_7
2. Y. H. Jiang, R. Püttner, M. Martin, R. Follath, J. M. Rost, and G. Kaindl, Phys. Rev. A **69**, 052703 (2004),
Isotope shifts of double-excitation resonances in helium
3. Y.H. Jiang, R. Püttner, G. Kaindl, J. Phys. B **38**, 2157 (2005),
Theoretical photoionization partial cross sections and angular distributions of doubly excited helium
4. Y. H. Jiang, R. Püttner, R. Hentges, J. Viefhaus, M. Poiguine, C. Cacho, U. Becker, J. M. Rost, and G. Kaindl, J. Phys. B **39**, L9 (2006),
Partial cross sections of doubly excited helium below the ionization thresholds I_8 and I_9
5. M. Poiguine, R. Püttner, M. Martin, V. Pennanen, M. Jurvansuu, Y. H. Jiang, S. Aksela, and G. Kaindl, Phys. Rev. A (submitted),
Detailed studies of the normal Auger spectra in H_2S
6. Y. H. Jiang, R. Püttner, D. Delande, M. Martins, G. Kaindl, Phys. Rev. Lett. (in preparation)
Slow transition to chaos in the $^1P^o$ doubly excited helium

Invited talks in the international conferences

7. “Quantum signatures of Chaos in doubly excited helium”: International Workshop on Photoionization (IWP) (July 27, 2005, Campinas, Brazil).

Oral presentations and posters

8. “Partial cross sections of doubly excited helium”: Ninth International Conference on Electronic Spectroscopy and Structure (ICESS9) (June 30, 2003, Uppsala, Sweden).
9. “Partial cross sections of doubly excited helium below the $N=7$ ionization threshold”: AMOP-Frühjahrstagung (German atom, molecule and optic physics annual meeting) (March 22, 2004, München)
10. “Experimental n -specific partial cross sections and angular distribution parameters of doubly excited helium”: Eighth European Conference on Atomic and Molecular Physics (ECAMP8) (July 6, 2004 Rennes, France).
11. “Quantum Chaos in doubly excited helium”: AMOP-Frühjahrstagung (German atom, molecule and optic physics annual meeting) (March 4, 2005, Berlin).
12. “Quantum signatures of Chaos in doubly excited helium”: DESY Research School: New Science in the VUV to soft X-Ray Domain (March 16, 2005, Hamburg, Germany).
13. “Doubly excited helium: from strong correlation to quantum chaos”: AMOP-Frühjahrstagung (German atom, molecule and optic physics annual meeting) (13 March, 2006, Frankfurt).

Invited talks in other institutes

14. “Quantum Chaos in doubly excited helium”: Max-Planck-Institut für Kernphysik (October 19, 2005, Heidelberg, Germany)