



MPIPKS - ITAMP Tandem School and Workshop on  
**Ultracold Rydberg Physics**

school: 1 - 5 July 2013 • workshop: 8 - 12 July 2013

*Scientific coordination*

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Supported by Marie-Curie-ITN "COHERENCE"

In recent years, we have witnessed a surge of interdisciplinary activity on the physics of ultracold Rydberg atoms. The long coherence times and strong interactions offered by highly excited atoms, provide unique opportunities for applications in quantum information science and nonlinear optics, and, at the same time, continue to raise diverse questions at the interface of atomic, molecular, optical and condensed matter physics. This workshop will explore such synergies by bringing together leading experts in these fields to discuss latest results and identify new challenges for theory and experiment.

**List of invited speakers**

C.S. Adams (UK)	A. Kuzmich (USA)
M. Boninsegni (Canada)	A. Läuchli (Switzerland)
A. Buchleitner (Germany)	M.D. Lukin (USA)
H.P. Büchler (Germany)	H. Ott (Germany)
M. Fleischhauer (Germany)	T. Pfau (Germany)
C.H. Greene (USA)	G. Raithel (USA)
D. Jaksch (UK)	H.R. Sadeghpour (USA)
T.A.B. Kennedy (USA)	M. Saffman (USA)

**Applications** for participation are welcome and should be made by using the application form on the event's webpage (please see URL below). The number of attendees is limited. The registration fee for the event is 120 € and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

**Applications received before 31 March 2013 are considered preferentially.**

For further information please contact:

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