

ECT* Workshop: "Resonances and non-hermitian quantum mechanics in nuclear and atomic physics"

June 23-27, 2014 at ECT*, Trento

	Monday	Tuesday	Wednesday	Thursday	Friday
	<i>Chairs: C. Forssén (morning) M. Gattobigio (afternoon)</i>	<i>Chairs: S. Quaglioni (morning); R. Roehlsberger (afternoon)</i>	<i>Chair: M. Płoszajczak</i>	<i>Chairs: W. Schleich (morning); J. Evers (afternoon)</i>	<i>Chair: H. Fynbo</i>
9:00	Arrival and Registration	Marek Płoszajczak <i>Weakly bound systems: clustering and correlations</i>	Alexis Diaz-Torres <i>Probing the dynamics of OQS with low- energy elastic scattering of halo nuclei</i>	<i>start 9.15 (regional holiday)</i> Hans-Werner Hammer <i>Efimov physics from cold atoms to nuclei</i>	Joerg Evers <i>Quantum optics with nuclei</i>
9:30	Igor Lesanovsky <i>Strong interactions and dissipation in low-dimensional systems</i>	Coffee break (10.00-10.30)	Coffee break (10.00-10.30)	Coffee break (10.15-10.45)	Coffee break (10.00-10.30)
10:00					
10:30	Coffee break (10.30-11.00)	Mario Gattobigio <i>Exploring universality in Few-Body Systems</i>	Wolfgang Schleich <i>The frequency-difference resonance and the QASER</i>	Massimo Rontani <i>Tunneling theory of few interacting atoms in a trap</i>	Maxim Efremov <i>Few-body physics induced by p-wave resonance</i>
11:00	Miguel Madurga <i>Exotic resonance modes near the neutron dripline</i>	Mark Rudner <i>Topological quantization and dynamical phase transitions in dissipative quantum transport</i>	Gerhard Zürn <i>Experiments with few fermion systems of ultracold atoms</i>	Bo Huang <i>Observation of the Second Tri- atomic Resonance in Efimov's</i>	Nicolas Michel <i>Theoretical and practical aspects of the Berggren basis for weakly bound and resonant nuclei</i>
11:30	Antoine Browaeys <i>Near-resonant light scattering in dense and small atomic samples</i>				
12:00		Lunch (12.00-14.00)	Lunch (12.00-14.00)	Lunch (12.15-14.15)	Lunch (12.00-14.00)
...	Lunch (12.30-14.30)	Charles Adams <i>Cooperative effects in atom-light interactions</i>		Hans Fynbo <i>Continuum aspects of Experimental Nuclear Physics</i>	
14:00					
14:30	Sofia Quaglioni <i>Ab initio nuclear theory including the continuum</i>	Coffee break (14.45-15.15)		Coffee break (15.15-15.45)	
15:00					
15:30	Coffee break (15.30-16.00)	Luca Celardo <i>Robustness of collective properties to disorder: the case of Superradiance</i>		Jimmy Rotureau <i>Strongly-interacting few- fermion systems in a trap</i>	
16:00	Ralf Roehlsberger <i>Cooperative Effects in Resonant Emission from Extended Samples</i>				
16:30					
17:00					

General:

Coffee and lunch breaks <i>Downstairs in Villa Tambosi</i>	Overview talk <i>60 min total time (50+10)</i>	Invited talk <i>45 min total time (35+10)</i>
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