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# Workshop on Understanding Quantum Phenomena with Path Integrals: From Chemical Systems to Quantum fluids and Solids | (smr 3131)

## Monday 03 July 2017

**Morning Chairman: Michele CERIOTTI / Afternoon Chairman: Davide GALLI - Adriatico Guest House - Kastler Lecture Hall (08:30-23:00)**

time	title	presenter
08:30	REGISTRATION & ADMINISTRATIVE FORMALITIES	
10:00	WELCOME ADDRESSES	
10:30	Role of the Interaction Core in the Excitation Spectrum of 1D Gases and Liquids	GALLI, Davide E.
11:20	Nuclear Quantum Effects by Accelerated Molecular Dynamics and Quantum Monte Carlo	SORELLA, Sandro
12:10	Spatio-Temporal Correlations across the Melting of Wigner Molecules	GHOSAL, Amit
12:30	Lunch break	
15:00	Coupled Electron-Ion Monte Carlo Study of Hydrogen under Extreme Conditions	PIERLEONI, Carlo
15:50	Quantum Solvation: Hydrogen-Bonding and Chemical Reactions in Superfluids	MARX, Dominik
16:40	Coffee break	
17:10	Quantum Symmetry from Enhanced Sampling: A First Exploration	NAVA, Marco
18:30	Welcome Get-Together Drink	