

Table of contents

Tuesday 04 July 2017	1
----------------------------	---

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

Tuesday 04 July 2017

Morning Chairmen: Tom MARKLAND & Jeremy RICHARDSON / Afternoon Chairman: Tommaso COMPARIN - Kastler Lecture Hall (AGH) (09:00-18:00)

time	title	presenter
09:00	Path Integral Monte Carlo Simulations of Warm Dense Matter	MILITZER, Burkhard
09:50	Quantum Dynamics and Spectroscopy of Ab Initio Aqueous Solutions: the Interplay of Nuclear and Electronic Quantum Effects	MARSALEK, Ondrej
10:40	Coffee break	
11:10	One-Dimensional Soft Bosons across the Liquid - Cluster Liquid Transition	BERTAINA, Gianluca
12:00	Constructing High-Dimensional Neural Network Potentials (NNPs) to describe the Solvation of Protonated Water Clusters by Superfluid Helium	SCHRAN, Christoph
12:20	Lunch break	
14:15	Path Integral Monte Carlo Calculations of Atomic Bose Gases	HOLZMANN, Markus
15:05	A Diagrammatic Approach to Composite, Rotating Impurities	BIGHIN, Giacomo
15:25	Coffee break	
15:55	Proton Coherent Delocalization in the Ground State of Nanoconfined Water	REITER, George