

December 14 - 18, 2025 Hotel Krvavec, Cerklje, Slovenia

TIMETABLE

Invited talk

Contributed talk

Tutorial

Poster session

Sunday, December 14, 2025

14:00 - 16:15	REGISTRATION		
16:15 - 16:30	Opening: NQW 2025		
		Chair: Tomaž Me	ertelj
16:30 - 17:00	Robin Steinigeweg	Boundary-driven magnetization transport in the spin-1/2 XXZ chain and the role of the system-bath coupling	•
17:00 - 17:30	Fabian Heidrich-Meisner	The race of energy and spin: who is faster?	
17:30 - 17:45	Peter Prelovšek	Transport and thermalization in modulated spin chains: classical vs. quantum processor study	
17:45 - 19:30	DINNER		
		Chair: Fabian Heidrich-Mei	isner
19:30 - 20:00	Alfred Zong	Structural contribution to light-induced gap suppression in Ta ₂ NiSe ₅	
20:00 - 20:15	Rok Venturini	Equilibrium and electrically driven charge density wave states in $\mathrm{EuTe_4}$	
20:15 - 20:30	Nikolaj Klinkby	Ultrafast order by non-thermal disorder	
20:30 - 22:00	DISCUSSIONS		

Monday, December 15, 2025

		Chair: Alfred 2	?ong
9:00 - 9:30	Dragan Mihailović	Phantom quasiparticles and zero modes in 1T-TaS ₂	
9:30 - 10:00	Melanie Mueller	Ultrafast local charge-order dynamics and THz-induced metastability in 1T-TaS ₂	
10:00 - 10:15	Yevhenii Vaskivskyi	The Timescale for the Electron Dynamics in 1T-TaS ₂	
10:15 - 10:45	COFFEE BREAK		
		Chair: Lev Vic	lmar
10:45 - 11:15	Philipp Werner	Amplitude modes in 2D coherent spectroscpy	
11:15 - 11:30	Rafał Świętek	Mechanism of Eigenstate Thermalization Breakdown	
11:30 - 12:00	POSTER SESSION:	FLASH TALKS	
12:00 - 16:30	LUNCH, POSTER SE	ESSION AND FREE TIME	
		Chair: Melanie Mu	eller
16:30 - 17:00	Peter Jeglič	Quantum Devices with Rydberg Atoms	
17:00 - 17:30	Jaka Vodeb	From Critical Dynamics to Coarsening: Bias-Tuned Quantum Phase Transitions on a 2400 Qubit Coherent Annealer	
17:30 - 17:45	Marlena Dziurawiec	High Harmonic Spectroscopy of Multifractality, Mobility Edges and Topology in Quasiperiodic Chains	
17:45 - 18:00	Aleksey Lunkin	Josephson effect in strongly disordered metallic wires	
18:00 - 19:45	DINNER		
		Chair: Philipp We	erner
19:45 - 20:15	Mikhail Feigelman	Evidence for a Two-Dimensional Quantum Glass State at High Temperatures	
20:15 - 20:30	Jože Gašperlin	To Be Announced	
20:30 - 21:45	DISCUSSIONS AND	POSTER SESSION	

Tuesday, December 16, 2025

		Chair: Jaka	Vodeb
9:00 - 9:30	Tomaž Prosen	To Be Announced	
9:30 - 10:00	Miroslav Hopjan	Eigenstate transitions in exactly self-dual 1D and 3D Aubry-André models	
10:00 - 10:15	Zala Lenarčič	Neural Networks and GGEs for simulation of light-matter coupled systems	
10:15 - 10:45	COFFEE BREAK		

		Chair: Anže	Mraz
10:45 - 11:30	Simon Gerber	Tutorial + Interlayer stacking controls the electronic properties of the van der Waals material 1T-TaS ₂	
11:30 - 12:00	Gabriel Aeppli	Phase locking and comb synthesis at free electron lasers	
12:00 - 16:30	LUNCH, DISCUS	SIONS AND FREE TIME	
		Chair: Zala Len	arčič
16:30 - 17:00	Yuta Murakami	What can we learn from high-harmonic generation in strongly correlated electronic systems?	
17:00 - 17:30	Denis Golež	To Be Announced	
17:30 - 17:45	Iris Ulčakar	Conserved quantities enable the quantum Mpemba effect in weakly open systems	
17:45 - 18:00	Francesco Valiera	Stochastic resonance in disordered charge-density-wave systems	
18:00 - 19:45	DINNER		
		Chair: Denis (Golež
19:45 - 20:15	Janez Bonča	Signature of preformed pairs in angle-resolved photoemission spectroscopy	
20:15 - 20:30	Viktor Kabanov	Simulation of a pinning in the vortex glass model	
20:30 - 22:00	SOCIAL EVENT		

Wednesday, December 17, 2025

		Chair: Simon Ge	erber
9:00 - 9:30	Simon Wall	Disorder-Driven Phase Transitions from Phonon and Photoexcitation	
9:30 - 10:00	Jon Gorchon	Optical detection of out-of-equilibrium spin accumulations in multilayers	
10:00 - 10:15	Jaka Strohsach	Stabilization of Antiferromagnetic Grains in Co/CoO Ultrathin Films by $Gaq_{\scriptscriptstyle 3}$ Adsorption	
10:15 - 10:45	COFFEE BREAK		
		Chair: Yuta Mura	kami
10:45 - 11:15	Marcin Mierzejewski	Chair: Yuta Mura Finding local integrals of motion in quantum lattice models in the thermodynamic limit	kami
10:45 - 11:15 11:15 - 11:45		Finding local integrals of motion in quantum lattice models in	kami
	Mierzejewski	Finding local integrals of motion in quantum lattice models in the thermodynamic limit Entanglement Entropies of Eigenstates of Many-Body	kami

		Chair: Simon	Wall
16:30 - 17:00	Daniele Fausti	Controlling the functionality of quantum materials by light	
17:00 - 17:30	Jure Demšar	Interplay Between Ferromagnetism and Charge Density Waves in SmNiC ₂ Probed by Femtosecond Optical Spectroscopy	
17:30 - 17:45	Nicolai Taufertshöfer	Van der Waals devices for surface-sensitive experiments	
17:45 - 18:00	Viktoriia Yursa	To Be Announced	
18:00 - 19:45	DINNER AND DISC	CUSSIONS	
		Chair: Marcin Mierzeje	ewski
19:45 - 20:15	Martin Eckstein	Tensor-Network Compression for Fast Real-Time Evaluation of Multidimensional Spectroscopy	
20:15 - 20:30	Antonio Picano	On the light-induced rotated charge-density wave state in Rare-Earth Tritellurides	
20:30 - 20:45	Maksymilian Środa	Exploring relaxation dynamics of electron-phonon systems with tensor-train Green's function methods	
20:45 - 21:45	DISCUSSIONS AN	D POSTER SESSION	

Thursday, December 18, 2025

		Chair: Rok Vent	turini
9:00 - 9:30	Tomaž Mertelj	Critical Photoinduced Reflectivity Relaxation Dynamics in Single-Layer Bi-Based Cuprates Near the Pseudogap End Point	
9:30 - 9:45	Moritz Cimander	Coherent transfer of optically induced THz magnons to charges in an antiferromagnet	
9:45 - 10:00	Gregor Humar	Ballistic false vacuum decay in the 2D Ising model	
10:00 - 10:15	Simon Jiricek	Universal Relation between Spectral and Wavefunction Properties at Criticality	
10:15 - 10:45	COFFEE BREAK		
		Chair: Antonio Pic	cano
10:45 - 11:15	Patrycja Łydżba	Fidelity susceptibility in closed quantum systems	
11:15 - 11:30	Michele Coppola	Exact solution to a Bhatnagar-Gross-Krook-type equation for quantum lattice gases with dephasing noise	
11:30 - 11:45	Kohei Ogane	New type of ETH breakdown	
11:45 - 12:00	CLOSING		
12:00 - 14:00	LUNCH AND DEF	PARTURE	