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# Conference on Frustration, Disorder and Localization: Statics and Dynamics | (smr 2709)

## Tuesday 29 September 2015

### AFTERNOON SESSION - AGH (Kastler Lecture Hall) (14:00-20:30)

time	title	presenter
14:00	Frustrated Quantum Magnetism: Maximally Simple Quantum Simulators and Chiral Spin Liquids	LÄUCHLI, Andreas
14:50	Question/Discussion Time	
15:00	POSTER SESSION	
16:00	Coffee break	
16:30	POSTER SESSION	
	- Fate of the One Dimensional Ising Quantum Critical (Ori ALBERTON)	
	- Quantum Diffusion in Disordered Rice-Mele Chain (Mohsen AMINI and Farhad SHAHBAZI)	
	- Use of Exact Scattering Matrix in Studying the Role of Spin-Orbit Coupling in Anomalous Hall Systems and Spin-Orbit Entanglement in Mesoscopic Systems (Bibek BHANDARI)	
	- Aging in Isolated Quantum Systems after a Quench (Alessio CHIOCCETTA)	
	- Conserved Operators at a Localisation Transition (Philip CROWLEY)	
	- Numerical Studies of the Nearest-neighbour Spin-Ice Model Using the Wang-Landau Algorithm (Maria Victoria FERREYRA)	
	- Classical and Quantum "Melting" of Self-formed Rigid Structures and Spatio-temporal Correlations in "Disordered" Coulomb Clusters (Amit GHOSAL)	
	- Total Correlations of the Diagonal Ensemble Herald the Many-body Localization Transition (Christian GOGOLIN)	
	- Evidence of Classical Order-by-Disorder in Highly Frustrated Bilayer Honeycomb Lattice / Metastable and Scaling Regimes of a One Dimensional Kawasaki Dynamics (Flavia GOMEZ ALBARRACIN)	
	- Quantum Random Walk: Role of Detector (Sanchari GOSWAMI)	
	- Thermal Entanglement and Magnetic Properties of the Spin-Ising-Heisenberg Diamond Chain (Vahan HOVHANNISYAN)	
	- Thermodynamic Properties of the Spin Ice on a Square Lattice in Frame of the Model of Point Magnetic Dipoles. The Exact Solution and Monte Carlo Simulation (Vitalii KAPITAN)	
	- Weak and Strong Topological Invariants in a Periodically Driven 2D Kitaev Model (Mykola MAKSYMENKO)	
	- Phase Diagram of a Geometrically Frustrated Double Exchange Model (Paul McCLARTY)	
	- Transient Super-ballistic Spreading of Wave Packets in Hybrid Ordered-quasiperiodic Lattices (Ba Phi NGUYEN)	

	- Curie-Law Crossover in a Variety of Classical Frustrated Spin Systems (Rico POHLE)	
	- Disorder and Highly Frustrated Magnetism: Spin Liquids, Fractionalization and Glassiness (Jorge REHN)	
	- Are Vacancy Disorders Different from Bond Disorders (Sambuddha SANYAL)	
	- Nonlinear Interaction Effects on Conductance Fluctuations and Distribution in 1D Disordered Systems (Khaled SENOUCI)	
	- Lifshitz Point Criticality in Pyrochlore Structure of FeF <sub>3</sub> (Farhad SHAHBAZI)	
	- Order, Superfluidity and Vortex Unbinding in Two-dimensional Driven-dissipative Condensates (Lukas SIEBERER)	
	- New Frontiers of Born-Mayer-Huggins Potential in High Temperature Superconductors (Hempal SINGH)	
	- An Attractive Critical Point from Weak Antilocalization on Fractals (Doru STICLET)	
	- Mott Transition in the Pyrochlores (Nyayabanta SWAIN)	
	- Dynamics at the Many-body Localization Transition (E.J. TORRES-HERRERA)	
	- Spin Dynamics of the XXZ Triangular Antiferromagnetic Model: Application to Ba <sub>3</sub> CoSb <sub>2</sub> O <sub>9</sub> (Adolfo E. TRUMPER)	
	- Gauge Theory of Glass Transition in Frustrated System (Mikhail VASIN)	
	- Multiferroic Cronical Spin State in the Frustrated Spinel Structure (Xiaoyan YAO)	
	- Interaction-disorder Competition in a Spin System Evaluated through the Loschmidt Echo (Pablo R. ZANGARA)	
	- High-Efficiency Cooper-Pair Splitter in Quantum Anomalous Hall Insulator Proximity-Coupled with Superconductor (YingTao ZHANG)	
18:30	Reception at Adriatico Guest House Terrace	