

Monday, July 24

QTS12 - Prague 2023

Room	B103	B10	B115	B11
Topic	3	5	10	11
14:00-14:25	Semenov-Tian-Shansky: Quantum Toda Lattice: a Challenge for Representation Theory	Malkin-Palamodov: Symplectic reduction and quantization of singular spaces	Kuznetsova: New aspects of Z_2 -graded superspace and related physical systems	Vourdas: Ultra-quantum coherent states
14:30-14:55	Marquette: Algebraic superintegrability from commutants of subalgebras in universal enveloping algebras	Herranz: The (extended) noncommutative spaces of geodesics with κ -Poincaré, Galilei and Carroll symmetries	Saigo: Quantum Fields as Category Algebras	Gazeau: Coherent states and beyond in Quantum Mechanics, Quantum Optics and Signal Analysis, A review
15:00-15:25	Young: Homotopy Manin Triples and Higher Current Algebras	Ivanescu: Noncommutative aspects of Villadsen Algebras	Diaz-Bautista: Exact analytical solutions for 2D Dirac materials interacting with external fields	Trombettoni: Off-Diagonal Long-Range Order in Low-Dimensional Quantum Systems
15:30 - 15:55	Insunza: Dimensional reduction approach to superintegrable PT-symmetric systems	Wagner: The noncommutative geometry of frame bundles	Marciniak: On some generalization of Gleason theorem	Jimenez-Trejo: Generalized Coherent states with definite Orbital Angular Momentum
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16:00-16:25	Coffee Break			
16:30-16:55	Fernández-Saiz: Generalized stochastic SIS Hamiltonian systems: Exact solutions and superposition rules	Beggs: Noncommutative geodesics and quantum mechanics	Aniello: States, observables and symmetries in p-adic quantum mechanics	Mayorgas: Localization measures of parity adapted U(D)-spin coherent states applied to the phase space analysis of the D-level Lipkin-Meshkov-Glick model
17:00-17:25	Sagidullayeva: Integrable local and nonlocal spin systems	Blake: Noncommutative Fibrations	Chadzitaskos: On the Asymmetric Harmonic Oscillator	Petronilo: Conformal field theory in phase space
17:30-17:55	Bertrand: Representations of the rank-2 Racah algebra	Mignemi: Representations of the Yang model in phase space	Domański: Deformation quantization approach to quantizing a rigid body in an external electromagnetic field	
18:00-18:25	Karpova: Quasiparticle transport in Majorana wire networks: A quantum graphs based approach	Franchino-Viñas: Fermions in Doubly Special Relativity: a mixed geometric and algebraic approach	Lee: Deformation of smooth surfaces along a curve	