

Tuesday, July 25

QTS12 - Prague 2023

Room	B103	B10	B115	B11
Topic	3	17	10	8
14:00-14:25	Kuś: Quantization of the Generalized Calogero-Moser Systems	Spera: Around Landau levels, generalized theta functions and noncommutative tori	Zheng-Johansson: A Quantum Electromagnetic Theory of the Intermediate Vector Bosons and the Higgs	Nesterenko: Realizations and invariants of Lie algebras
14:30-14:55	Ishkhanyan: The Grad–Shafranov Equation in Cap-Cyclide Coordinates: The Heun Function Solution	Sawicki: Algebraic and symplectic geometry in the description of quantum correlations	Peđrak: Quantum motion algebra	Novotný: Quantum Particle on $G_2$ Dual Weight Lattice in Even Weyl Alcove
15:00-15:25	Kirschner: Yang-Baxter operator constructions and applications	Luna-Hernandez: Measuring Three-qubit Entanglement in the Smallest Eigenvalue Space	Rocchi: Two Misconceptions that Hinder Quantum Interpretation	Ortiz-Campa: Coherent states generated by means of supersymmetric quantum mechanics for tilted anisotropic Dirac materials
15:30 - 15:55	Znojil: Quasi-Hermitian quantum theory and zig-zag matrix algebras	Anguelova: Dynamical Consistency Conditions for Rapid Turn Inflation	Smilga: Classical and quantum gravity from axioms of relativistic quantum mechanics	Shimasaki: Machine Learning Study through Physics-Informed Neural Networks: Analysis of the Stable Vortices in Non-Linear Field Theories
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16:00-16:25	Coffee Break			
16:30-16:55	Peng: Finite $W$ -superalgebras and super Yangians	Barron: Semiclassical asymptotics and entropy	Tanimura: Homological Commutation Relation of Electric and Magnetic Fluxes	E. Winterroth: Variational cohomology and topological solitons in Yang-Mills-Chern-Simons theories
17:00-17:25	García: Jordan blocks and the Bethe ansatz: the eclectic spin chain as a limit	Blacker: Reduction of $L$ -infinity algebras of observables on multisymplectic manifolds	Toppan: $N$ -bit parastatistics from $Z_2^n$ -graded (super)algebras	Hoang Ngoc Minh: On the solutions of universal differential equations by noncommutative Picard-Vessiot theory
17:30-17:55	Pichai: Quantum Clebsch-Gordan coefficients for $U_q(\mathfrak{sl}_3)(\mathfrak{sl}_3)$	Kiselev: The Kontsevich star-product for affine Poisson brackets: new rational formula	Yahalom: Fisher information approach to quantum mechanics	Palese: Second order Lagrangians for $(2+1)$ -dimensional generalized Boussinesq equations and an extension of the Krupka-Betounes equivalent
18:00-18:25	Chen: Accumulation of scale-free localized states induced by local non-Hermiticity	Krepiski: Symmetries of gerbes and prequantization		Oreški: Exploring the behavior of statistical meta-features in meta-models' development