Wednesday, July 26 QTS12 - Prague 2023

Room	B103	B10	B115	B11
Topic	**3**	**17**	**10 + 13**	**8**
14:00-14:25	Escobar-Ruiz: Two-body Coulomb problem and g^(2) algebra	Miyamoto: Integrable vortices on compact Riemann surfaces of genus one and two	Zloshchastiev: Instability and transition of pure states into mixed states: Quantum-statistical approach with non-Hermitian Hamiltonians	Arai: Revisiting Atiyah-Hitchin manifold in the generalized Legendre transform
14:30-14:55	Ruiz: The Bethe Ansatz as a Quantum Circuit	Nunes: A geometric interpretation of the Peter-Weyl theorem	Gori: Trading algebra for geometry in critical systems	Chang: Parity-Time Symmetric Solitons in the Complex KP Equation
15:00-15:25	Zhang: Algebraic superintegrable systems from 2D conformal algebras	Rouleux: Tunneling for a Semi-classical Schrödinger operator with symmetries	Hęćka: The Boolean quadratic forms and tangent law	Dereziński: Generalized integrals and contact interactions
Topic	**1**	**17 + 16**	**9**	**8**
15:30-15:55			Coffee Break	
16:00-16:25	Mori: Doubled Structures of Algebroids in Gauged Double Field Theory	Vysoky: Graded Jet Geometry	Campos Ortiz: Quantum Metropolis Solver	García-Muñoz: Dirac materials in parallel electromagnetic fields generated by supersymmetry
16:30-16:55	Sasaki: Complex Structures, T-duality and Worldsheet Instantons in Born Sigma Models	Yamamoto: Localized Fermions on CP^2 Net-Zero Charged Topological Solitons	Stefanak: Survival probability of the quantum walk	Gresnigt: Three generations of fermions from the Cayley-Dickson sedenions
17:00-17:25	Shiozawa: T-duality relations between hyperkähler and bi-hypercomplex structures	Szajewska: Geometrical structures of nested polyhedra	Studzinski: Optimal universal quantum circuits for unitary complex conjugation	Gümral: Symmetry and reduction for second order degenerate Lagrangians
18:00-18:25				