

## Monday, July 1

## ISQS28 - Prague 2024

Room	201	101	
14:00-14:25	Sako: Relationship between $\Phi^4$ -matrix model and $N$ -body harmonic oscillator or Calogero-Moser model	Znojil: Quantum gravity singularity in a schematic toy model	
14:30-14:55	Rouleux: Generalized exchange operators for a system of spin-1 particles	Tian: Quantum Shortcut to Adiabaticity for Jaynes-Cummings Lattices	
15:00-15:25	Gutierrez-Sagredo: Noncommutative spaces of geodesics: a complementary look at noncommutative covariant spacetimes	Kheiri Estiar: Applying Deep Neural Networks to a Tuberculosis Mathematical Model	
15:30 - 15:55	Gómez Cobos: $L^p$ -bounds in Safarov pseudo-differential calculus on manifolds with bounded geometry	Morley: Maximization technique	
16:00-16:25	Coffee Break		
16:30-16:55	Pinelli: Heat kernels for non-minimal operators of Weyl and duality-invariant theories	Qiao: Integrable Peakon Models	
17:00-17:25	Maximov: Regular decompositions and generalized Yang-Baxter equation	Stirling: Nonlinear realisation approach to topologically massive supergravity	
17:30-17:55	Poletaeva: On linked modules over the super-Yangian of the queer Lie superalgebra	Turner: Higher time-derivative theories from integrable models.	
18:00-18:25	Westbury: An $R$ -matrix for the exceptional series	Nesterenko: Application of root systems and quasi-crystals to data processing	