

# POSTER LIST, RANDOMNESS IN QUANTUM PHYSICS AND BEYOND, MAY 4-8, 2015

POSTER TITLE	AUTHOR	AFFILITAIION
Long term operation of a quantum random number generator as a public internet service	Michael Wahl	PicoQuant GmbH
Locating possible sources of physical randomness	Karl Svozil	Vienna University of Technology, Institute for Theoretical Physics
Any rational agent with 'free choice and belief' is described by quantum mechanics	Yohan Pelosse	Swansea University
Limited preparation contextuality in quantum theory leads to Cirel'son bound	Ashutosh Rai	University of Latvia
Communication strength of boxes violating monogamy relations	Michal Oszmaniec	ICFO
Quantifying the clumsiness in a QND measurement based Leggett-Garg test	Giuseppe Vitagliano	University of the Basque Country
Device Independent Randomness Amplification with a Single Device	Matej Pivoluska	Faculty of Informatics, Masaryk University
Device-independent two-party cryptography	Jed Kaniewski	QuTech, TU Delft
Can non-local boxes be computable?	Gabriel Senno	FCEyN-UBA
Local model of a qubit in the interferometric setup	Pawel Blasiak	Institute of Nuclear Physics, Polish Academy of Sciences
Nonlocality via free observables	Zhi Yin	Gdansk University
Quantum Randomness Certified by the Uncertainty Principle	Davide Giacomo Marangon	Department of Information Engineering, University of Padova
Randomized graph states and their entanglement properties	Hermann Kampermann	University of Duesseldorf
Towards randomness expansion in the measurement-device-independent setup	Felix Bischof	University of Düsseldorf
Deriving the Born rule from non-probabilistic axioms	Daniela Frauchiger	ETH Zürich
Bounds on quantum non-locality via partial transposition	Karol Horodecki	University of Gdansk
Partially deterministic polytopes	Erik Woodhead	ICFO
Entanglement and nonlocality are inequivalent for any number of parties	Remigiusz Augusiak	ICFO
Higher security in one-sided device independent quantum key distribution from more uncertain systems	Tanumoy Pramanik	LTCI, Telecom ParisTech
Macroscopic Leggett-Garg tests using quantum non-demolition measurements	Giorgio Colangelo	ICFO
Non-signalling theory and generalised probability	Tomasz Tylec	Center for Theoretical Physics and Astrophysics, Polish Academy of Sciences
Certifying device-independent randomness from experimental data	Olmo Nieto Silleras	Université Libre de Bruxelles
Robust self-testing of partially entangled quantum systems using tilted CHSH inequalities	Cédric Bamps	Université libre de Bruxelles
Operator space approach to steering inequality	Marcin Marciniak	University of Gdansk
Control of two-photon quantum walk in a complex multimode system by wavefront shaping	Hugo Defienne	Laboratoire Kastler Brossel
Integration of a high-speed continuous-variable quantum random number generator	Imran Khan	Max Planck Institute for the Science of Light
Minimising the heat dissipation of information erasure	M. Hamed Mohammady	Instituto de Telecomunicações
Improving the efficiency of quantum teleportation protocols based on the direct use of partially pure and mixed entangled channels	Raphael Fortes I. Gomes	Federal University of São Carlos (UFSCar)
Dynamical Objectivity in Quantum Brownian Motion	Jarek Korbicz	Gdansk University of Technology