

XI International Conference on New Frontiers in Physics

Monday, 5 September 2022

Quantum Physics, Quantum Optics and Quantum Information - Room 1 (15:30 - 15:50)

time	[id] title	presenter
15:30	[26] Quantum interferometry with positrons and Positronium	GIAMMARCHI, Marco

Tuesday, 6 September 2022

Quantum Physics, Quantum Optics and Quantum Information - Room 1 (10:00 - 10:30)

time	[id] title	presenter
10:00	[109] Testing the Pauli Exclusion Principle with the VIP-2 Experiment and beyond	NAPOLITANO, Fabrizio

Quantum Physics, Quantum Optics and Quantum Information - Room 1 (11:00 - 11:20)

time	[id] title	presenter
11:00	[130] Searching for signal of wave function collapse in the cosmic silence	PISCICCHIA, Kristian

Quantum Physics, Quantum Optics and Quantum Information - Room 2 (16:30 - 16:50)

time	[id] title	presenter
16:30	[65] Mirror modular cloning and fast quantum associative retrieval	DIAMANTINI TRUGENBERGER, Maria Cristina

Wednesday, 7 September 2022

Quantum Physics, Quantum Optics and Quantum Information - Room 3 (16:30 - 17:10)

time	[id] title	presenter
16:30	[100] Quantum entangled beams to improve the sensitivity of gravitational wave interferometers	SEQUINO, Valeria
16:50	[71] Application of Quantum Machine Learning to HEP Analysis at LHC using Quantum Computer Simulators and Quantum Computer Hardware – Challenges and Opportunities	ZHANG, Rui

Friday, 9 September 2022

Quantum Physics, Quantum Optics and Quantum Information - Room 3 (11:00 - 12:20)

time	[id] title	presenter
11:00	[64] Observation and exploitation of quantum discord in many-body systems	YURKEVICH, Igor
11:20	[104] Broadband Quantum Noise reduction in a small-scale suspended interferometer	DI PACE, Sibilla
11:40	[121] Optimal control of a radiation pressure limited opto-mechanical resonator	GIACOPPO, Laura
12:00	[83] On the quantisation of electric charge	BHATTACHARYA, Kolahal