

Quantum Information in Spain ICE-8

Monday 29 May 2023

Session 3.4 - Aula Magna (16:20 - 17:20)

-Conveners: Chair: Luca Tagliacozzo

time	[id] title	presenter
16:20	[75] Quantum systems for enhanced detectors for High Energy Particle Physics	KORNAKOV, Georgy
16:40	[18] Neural-network-assisted quantum magnetometers	Dr BAN, Yue
17:00	[86] Nuclear decoupling techniques at the microscale	MUNUERA JAVALOY, Carlos

Tuesday 30 May 2023

Session 3.4 - Aula Magna (16:20 - 18:20)

-Conveners: Chair: Andres Gomez Tato

time	[id] title	presenter
16:20	[52] How inhomogeneities enhance the manipulability of Ge spin qubits	ABADILLO-URIEL, Jose Carlos
16:40	[91] Multiobjective variational quantum algorithms to solve constrained optimization problems	DÍEZ VALLE, Pablo
17:00	[11] Simulations of atomic nuclei on a digital quantum computer	PÉREZ-OBÍOL, Axel
17:20	[33] Electrical two-qubit gates within a pair of clock-qubit magnetic molecules	Dr ULLAH, Aman
17:40	[13] Easing the experimental requirement for microwave quantum illumination	Dr DI CANDIA, Roberto
18:00	[49] Gradient Magnetometry with Atomic Ensembles	APELLANIZ, Iagoba

Wednesday 31 May 2023

Session 3.4 - Aula Magna (16:20 - 17:40)

-Conveners: Chair: Elías Combarro

time	[id] title	presenter
16:20	[55] Evolutionary optimization for Variational Quantum Algorithms	FAÍLDE , Daniel
16:40	[2] Classical simulation of short-time quantum dynamics	ALHAMBRA, Alvaro
17:00	[105] Efficient quantum simulation of jet evolution in a medium	QIAN, Wenyang
17:20	[79] High-fidelity ground state preparation for quantum simulations of the two-dimensional Z2 lattice gauge theory	COBOS JIMÉNEZ, Jesús