



# Quantum Information in Spain ICE-8

## Monday 29 May 2023

### Session 4.3 - Aula Magna (14:20 - 15:50)

-Conveners: Chair: Geza Giedke

time	[id] title	presenter
14:20	[113] Inertial sensing using matter-wave interferometry	Prof. SCHLIPPERT, Dennis
15:10	[47] Security of discrete-modulated continuous-variable quantum key distribution	Mr PASCUAL, Carlos
15:30	[14] Activation of metrologically useful genuine multipartite entanglement	TRÉNYI, Róbert

# Tuesday 30 May 2023

## Session 4.3 - Aula Magna (14:20 - 15:50)

-Conveners: Chair: Enrique Rico Ortega

time	[id] title	presenter
14:20	[123] Making the case for quantum machine learning	DUNJKO, Vedran
15:10	[87] A Fast QKD Prototype Based on Photonic Integrated Circuits	DE MATOS AFONSO PEREIRA, Maria
15:30	[9] Taking advantage of noise in quantum reservoir computing	Prof. BORONDO, Florentino

# Wednesday 31 May 2023

## Session 4.3 - Aula Magna (14:20 - 15:50)

-Conveners: Chair: Adán Cabello

time	[id] title	presenter
14:20	[124] Quantum Machine Learning in High Energy Physics	Dr VALLECORSA, Sofia
15:10	[34] Photon-magnon interaction in ferromagnets of different sizes	MARTÍNEZ-LOSA DEL RINCÓN, Sergio
15:30	[24] Quantum machine learning algorithms and its implementation in molecular qudits	ROCA-JERAT, Sebastian

# Thursday 1 June 2023

## Session 4.3 (14:20 - 16:20)

-Conveners: Chair: **Diego Andrade**

time	[id] title	presenter
14:20	[126] Quantum simulation with quantum computers, an introduction	FERNÁNDEZ-ROSSIER, Joaquín
15:10	[29] Quantum reservoir computing in finite dimensions	MARTÍNEZ-PEÑA, Rodrigo
15:30	[73] Fast Pattern Matching in Quantum Circuits	Mr MONDADA, Luca
15:50	[99] Low-depth simulations of fermionic systems on realistic quantum hardware	ALGABA, Manuel