



# Quantum Science Generation | QSG 2024

## Tuesday, 7 May 2024

### Poster session (17:30 - 19:00)

time	[id] title	presenter
17:30	[47] Does a good quantum tomography bring a good quantum metrology?	Dr EBRAHIMI ASLMAMAGHANI, Samira
17:30	[49] Solving the homogenous Bethe-Salpeter equation with a quantum annealer	FORNETTI, Filippo
17:30	[34] Light-matter interactions in the vacuum of ultra-strongly coupled systems	Dr DE BERNARDIS, Daniele
17:30	[7] Topological quantum dissipative phases with trapped ions	CLAVERO RUBIO, Miguel
17:30	[12] A Parameter-Free Approach for Modeling Valence and Core-Level Photoelectron Spectroscopy	SAMAL, Bibek
17:30	[64] Genuine multipartite entanglement in Quantum Annealing	SANTRA, Gopal Chandra
17:30	[10] Chiral-symmetry-protected dressed states of giant atoms	SUN, Xuejian
17:30	[43] Enhancing energy storage crossing quantum phase transitions in an integrable spin quantum battery	GRAZI, Riccardo
17:30	[62] Simulations of effective Hamiltonians to study the effects of non-computational levels of two coupled qubits via a cavity bus	GOBBO, Marco
17:30	[63] Open-source control of quantum devices via RFSoc FPGAs	CAROBENE, Rodolfo
17:30	[14] Chiral emission mediated by a giant atom in a honeycomb photonic bath.	PINTO, Marcel Augusto
17:30	[13] Noise classification in small quantum networks by Machine learning	MUKHERJEE, SHREYASI
17:30	[59] Classical shadows with Brownian quantum circuits	CIOLI, Riccardo
17:30	[42] Qutrit quantum battery: comparing different charging protocols	GEMME, Giulia
17:30	[38] Integrated conversion and photodetection of virtual photons in an ultrastrongly coupled superconducting quantum circuit	Mr ANFUSO, Giorgio
17:30	[40] A semi-device-independent approach to quantum simulability	DALL'ARNO, Michele
17:30	[55] Utilizing quantum computing for mechanistic modeling of reactions in hydrogen fuel cells.	MARSILI, Emanuele
17:30	[67] Development of cross-type Al/Al-Ox?Al Josephson junctions	IRACE, Alessandro
17:30	[69] Shallow NV- colour centres in diamond	MISSALE, Elena
17:30	[105] Simulating Vibronic Spectra by Direct Application of Doktorov Formulae on Superconducting Quantum Simulator	Mr OLARTE HERNANDEZ, Renato
17:30	[106] Long Range Interactions in Synthetic Dimensions	Mr GERAGHTY, Patrick

# Wednesday, 8 May 2024

**Poster session (18:00 - 19:30)**