

Monday 27 June

11:00

Quantum Information & Computing
Session | Location: CERN, 500/1-001 - Main Auditorium | Convener: Celeste Torkzaban

11:00-11:22
Qubit addressing in a standing wave light field from integrated photonics
Speaker
Carmelo Mordini

11:23-11:45 Towards standing-wave quadrupole Mølmer-Sørensen gates
Speaker
Oana Bazavan

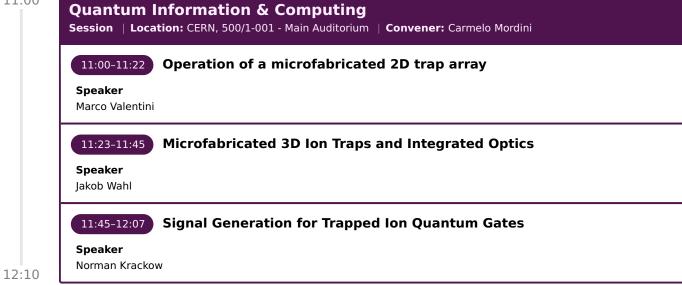
11:45-12:07
Standing-Wave Mølmer-Sørensen Gate in the Adiabatic and Non-Adiabatic Regime

12:10

Sebastian Saner

Wednesday 29 June

11:00



2

Thursday 30 June

11:00

Quantum Information & Computing

Session | Location: CERN, 500/1-001 - Main Auditorium | Convener: Zachary Smith

11:00-11:22

Collaborative design of a trapped-ion quantum computer with fully interconnected qubits

Speaker

Celeste Torkzaban

11:23-11:45

A two-node trapped-ion quantum network with photonics interconnects

Speaker

Gabriel Araneda

11:45-12:07

Device-Independent Quantum Key Distribution Between Two Ion Trap Nodes

Speaker

David P. Nadlinger

12:10 14:10

Quantum Information & Computing

Session | Location: CERN, 500/1-001 - Main Auditorium | Convener: Gabriel Araneda

14:10-14:32

ABaQuS: A trapped-ion quantum computing system using \$^{133}\mathrm{Ba} ^+\$ qubits

Speaker

Ana Sotirova

14:33-14:55

Trapped Barium Ions at the United States Air Force Research Laboratory

Speaker

Dr Zachary Smith

14:55