

Session Program

20-24 Jan 2025



International Conference on Quantum Technologies for High-Energy Physics

Quantum Technologies Platforms

CERN, 500/1-001 - Main Auditorium

Wednesday 22 January

13:45

Quantum Technologies Platforms

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Sergio Calatroni

13:45-14:00

QSNET: network of clocks for measuring the stability of fundamental constants

Speaker

Leonid Prokhorov

14:00-14:15

Superconducting Qubits as Particle Detectors

Speaker

Francesco De Dominicis

14:15-14:30

High-Q cavity coupled to a high permittivity dielectric resonator for sensing applications

Speakers

Antonio Cassinese, antonio cassinese

14:30-14:45

Magnetic techniques for quantum sensing using single molecule magnets in the NAMASSTE experiment

Speaker

Giuseppe Latino

14:45-15:00

Towards realization of long-lived chains of circular Rydberg atoms for quantum simulation

Speaker

Ankul Prajapati

15:00-15:15

Characterization of a Rubidium based Four Way Mixing Entangled Photon Pair Source with SNSPDs

Speaker

Federica Facchin

15:15-15:30

Highly Sensitive Optical Quantum Sensors

Speaker

Dr Young Jin Kim

15:30