

Session Program

20-24 Jan 2025



International Conference on Quantum Technologies for High-Energy Physics

Quantum Technology Platforms

CERN, 500/1-001 - Main Auditorium

Wednesday 22 January

09:00

Quantum Technology Platforms

Session | Location: CERN, 500/1-001 - Main Auditorium | Convener: Clara Murgui Galvez

09:00–09:40 Overview Quantum Sensors for particle physics

Speaker
Steven Worm

09:40–10:05 Atom Interferometry

Speaker
Tiffany Harte

10:05–10:30 High Tc superconducting particle detectors

Speakers
Ilya Charaev, Ilya Charaev

10:30–10:45 Coffee Break

10:45–11:10 Superconducting Calorimeters

Speaker
Prof. Sebastian Kempf

11:10–11:35 Chromatic calorimetry (quantum dots)

Speaker
Yacine Haddad

11:35–12:00 Nuclear clocks for fundamental and particle physics

Speaker
Dr Ekkehard Peik

12:00–12:25 SRF / heterodyne cavity applications for axion searches

Speaker
Sebastian Ellis

12:25