

Session Program

1-4 Nov 2022



International Conference on Quantum Technologies for High-Energy Physics (QT4HEP22)

Sensing Metrology Materials

CERN, 500/1-001 - Main Auditorium

Tuesday 1 November

14:15

Sensing Metrology Materials

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Michael Doser

14:15-14:45

Applications of superconducting technologies to particle detection

Speaker

Caterina Braggio

14:45-15:15

Scaling up of atomic interferometers for the detection of dark matter

Speaker

Oliver Buchmuller

15:15-15:45

Applying traps and clocks to the search for new physics

Speaker

Piet Schmidt

15:45-16:15

Coffee break

16:15-16:45

Applications of quantum devices to HEP detectors

Speaker

Ian Shipsey

16:45-17:15

Molecular systems for tests of fundamental physics

Speaker

Steven Hoekstra

17:15-17:45

Development of detectors for ultra-low energy neutrinos

Speaker

Gianluca Cavoto

17:45