

## 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