

Session Program

2-7 Jul 2023

Searching for New Physics at the Quantum Technology Frontier

Ions

Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland
Monte Verità Strada Collina 84 CH-6612 Ascona (Ticino)

Thursday 6 July

16:00

Ions

Session |

Location: Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland, Monte Verità Strada Collina 84 CH-6612 Ascona (Ticino) |

Convener: Prof. Thomas Udem

16:00–16:05

Session's intro

Speaker

Prof. Thomas Udem

16:05–16:40

Quantum logic and precision measurements with atoms and molecules

Speaker

David Leibbrandt

16:40–17:15

Penning trap precision experiments for fundamental physics

Speaker

Sven Sturm

17:15–17:45

Coffee break

17:45–18:20

New measurement of the electron magnetic moment

Speaker

Xing Fan

18:20–18:45

Searching for new physics with isotope-shift spectroscopy of trapped ions

Speaker

Dr Diana Prado Lopes Aude Craik

18:45–19:10

Towards Ramsey-Comb Spectroscopy of the 1S-2S Transition in He+

Speaker

Mr Elmer Grundeman

19:10