

Session Program

2-7 Jul 2023

Searching for New Physics at the Quantum Technology Frontier

Quantum Sensors

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

Wednesday 5 July

08:20

Quantum Sensors

Session |

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

Convener: Claudio Lenz Cesar

08:20–08:25 **Session's intro**

Speaker

Claudio Lenz Cesar

08:25–09:00 **New Technologies for Dark Matter Detection**

Speaker

Yonit Hochberg

09:00–09:35 **Search for dark matter with magnetic resonances**

Speaker

Hendrik Bekker

09:35–10:10 **Positronium physics in the quantum world**

Speaker

David B Cassidy

10:10–10:40 **Coffee break**

10:40–11:15 **Antiprotonic atoms as a gateway system for BSM investigations**

Speaker

Michael Doser

11:15–11:50 **QUAX: Probing Axion Dark Matter through quantum technologies**

Speaker

giovanni carugno

11:50–12:15

A cavity quantum electrodynamics implementation of the Sachdev--Ye--Kitaev model

Speaker

Philipp Johann Urich

12:15