

Session Program

2-7 Jul 2023

Searching for New Physics at the Quantum Technology Frontier

Molecules

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

Tuesday 4 July

16:35

Molecules

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

16:35-16:40

Session's intro**Speaker**

Daniel Kienzler

16:40-17:15

Searching for New Physics using hydrogen molecular ions (and more)**Speaker**

Jean-Philippe Karr

17:15-17:45

Coffee break

17:45-18:20

Radioactive Molecules as Quantum Sensors for Fundamental Physics**Speaker**

Ronald Fernando Garcia Ruiz

18:20-18:45

Towards quantum control and spectroscopy of single hydrogen molecular ions**Speakers**

Nick Schwegler, Mr Fabian Schmid

18:45-19:10

Precision infrared molecular spectroscopy as an instrument for probing variations of fundamental constants**Speaker**

Aleksandr Shlykov

19:10