

Session Program

14-18 Jul 2025



Quantum Sensing School

Topical classes

Monday 14 July

14:30

Topical classes: Lab

Session | Location:

14:30-16:20 **Installation of the 2D resonators in the PT system**

16:20-16:40 **Coffee break**

16:40-18:30 **Dilution refrigerators**

18:30

Tuesday 15 July

09:00

Topical classes: Introduction to superconducting circuits

Session | Location: | Convener: Nicolò Crescini

09:00-11:00 **Introduction to superconducting circuits**

11:00-11:15 **Coffee Break**

11:15-13:15 **Design of superconducting circuits**

Speaker

Nicolò Crescini

13:15

14:30

Topical classes: Superconducting parametric amplifiers

Session | Location: | Convener: Martina Esposito

14:30-16:30 **Introduction to superconducting parametric amplifiers**

16:30-16:50 **Coffee break**

16:50-18:50 **Squeezing with parametric amplifiers**

Speaker

Martina Esposito

19:00

Wednesday 16 July

09:00

Topical classes: Superconducting Circuits

Session | Location:

09:00-11:00 **Controls of qubits, part I****Speaker**

Alessandro Candido

11:00-11:15 **Coffee break**11:15-13:15 **Controls of qubits, part II****Speaker**

Alessandro Candido

13:15

Thursday 17 July

09:00

Topical classes: Molecules

Session | Location:

09:00-11:00 **Molecules/EDM****Speaker**

Hoekstra

11:00-11:15 **Coffee break**11:15-13:15 **Qubits and radioactivity****Speaker**

Cardani

13:20

Friday 18 July

09:00

Topical classes: SC and molecules

Session | Location:

09:00-11:00 **Molecules/EDM**

Speaker

Hoekstra

11:00-11:15 **Coffee break**

11:15-13:15 **Qubits and radioactivity**

Speaker

Cardani

13:20