

Session Program

14-18 Jul 2025



Quantum Sensing School

Topical classes

Monday 14 July

14:30

18:30

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

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

13:20

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