

**Session Program**

**20-22 Mar 2024**

**SQMS Quantum for Science - March 2024  
(London)**

***Morning session***

# Friday 22 March

09:30

## Morning session: Day 3 session 1

### Session

09:30–09:50

### Dark matter landscape motivating new ideas in quantum sensors (theory intro)

#### Speakers

Roni Harnik, Roni Harnik

09:50–10:10

### Quantum computers and their role in understanding fundamental physics

#### Speaker

Wibe de Jong

10:10–10:30

### Quantum Simulators for Fundamental Physics

#### Speakers

Silke Weinfurtnner, Silke Weinfurtnner

11:00

11:20

## Morning session: Day 3 session 2

### Session

11:20–11:40

### Quantum technologies for fundamental physics (experiment intro)

#### Speaker

Ian Shipsey

11:40–12:00

### New ideas for testing particle dark matter and phase transitions in He-3

#### Speaker

Andrew Casey

12:00–12:20

### New ideas for axion searches in superfluid helium

#### Speaker

Joshua Foster

12:20–12:40

### Quantum sensor needs for dark matter axion searches

#### Speaker

Aaron Chou

13:00