

**Session Program**

**9-10 Mar 2022**

**Physics Frontiers with Quantum Science and  
Technology**

***Quantum computer/sensor applications for  
physics***

University of Tokyo, Koshiba hall  
Hongo, Bunkyo-ku, Tokyo

# Thursday 10 March

08:00

## Quantum computer/sensor applications for physics: 1

**Session** | **Location:** University of Tokyo, Koshiba hall, Hongo, Bunkyo-ku, Tokyo | **Convener:** Ryu Sawada

08:00–08:30

### Superconducting RF technologies for quantum applications

#### Speakers

Alexander Romanenko, Anna Grassellino

08:30–09:00

### Detecting gravitational waves with atom interferometry

#### Speaker

Jason Hogan

09:00–09:30

### Quantum computing applications to HEP simulations

#### Speaker

Christian Walter Bauer

09:30

10:00

## Quantum computer/sensor applications for physics: 2

**Session** | **Location:** University of Tokyo, Koshiba hall, Hongo, Bunkyo-ku, Tokyo | **Convener:** Ryu Sawada

10:00–10:30

### Quantum computing applications to HEP event reconstruction

#### Speaker

Heather Gray

10:30–11:00

### Quantum computing applications to high-energy physics at ICEPP

#### Speaker

Yutaro Iiyama

11:00