

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