

Session Program

9-10 Mar 2022

Physics Frontiers with Quantum Science and Technology

Quantum computer/sensor developments and physics applications

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

Wednesday 9 March

16:00

Quantum computer/sensor developments and physics applications: 1

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

16:00–16:30

Quantum computing with trapped ions

Speaker

Hiroki Takahashi

16:30–17:00

Mesoscopic physics and quantum sensing

Speaker

Kensuke Kobayashi

17:00–17:30

Quantum sensor applications to high-energy physics at CERN

Speaker

Michael Doser

17:30

18:00

Quantum computer/sensor developments and physics applications: 2

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

18:00–18:30

Repeated Quantum Error Correction in a Surface Code with Superconducting Circuits

Speaker

Christopher Eichler

18:30–19:00

Quantum computing, sensor and material science at DESY

Speaker

Kerstin Borras

19:00