



Physics Frontiers with Quantum Science and Technology

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Dear Colleagues,

We are pleased to announce that the first international workshop on **Physics Frontiers with Quantum Science and Technology** (PFQST) will take place on **March 9-10, 2022 in JST**, in a hybrid format of online and in-person participations in Koshiba hall at U. of Tokyo. With recent progress in quantum science and technologies, we aim to foster ideas to advance or develop new fields in research for high-energy physics, nuclear physics, astrophysics and condensed matter physics, empowered by quantum information technologies.

In the first workshop, the following topics are going to be discussed:

- Quantum-sensor applications for physics
- Quantum-computer applications for physics
- Developments of quantum computer and sensor technologies
- Theoretical development in fundamental physics with quantum information with leading experts in the fields.

Scientific Programm

The workshop indico page can be found at

<https://indico.cern.ch/event/1105352/>

You can find the timetable of the scientific program. All the presentations are plenary.

Workshop Style

The workshop is in a hybrid format, but all foreign participants are expected to attend only remotely. The in-person attendance at Koshiba hall in U. of Tokyo ([access map](#)) is possible with limited seats. But, please be aware that there is a possibility to switch to fully-online format depending on the situation of Covid-19.

Workshop Fee and Registration

No fees will be charged for the workshop. The registration is open at <https://indico.cern.ch/event/1105352/registrations/> until the end of the workshop.

Online Connection

The Zoom Webinar will be used for remote connection. The link to the Webinar will be sent to those who register the workshop a few days before the workshop starts.

Zoom Recording

The Zoom sessions will be recorded during the workshop. The workshop participants will therefore be prompted to grant the recording via Webinar. The recorded video will be made available only for those who register the workshop.

Contacts

Please do not hesitate to contact us at pfqst@icepp.s.u-tokyo.ac.jp for any additional information and support that you might need to prepare for attending the workshop.

Looking forward to seeing you all at the workshop!

The PFQST organizing committee