

# International Conference on Quantum Technologies for High-Energy Physics



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## Open discussion session on synchronisation for quantum communication

*Monday 20 January 2025 16:30 (1h 30m)*

The conference at CERN will be a unique opportunity to have a discussion among key actors in synchronisation for quantum communication:

**What is missing in the domain of synchronisation for quantum communication?**

- Precision/accuracy needs.
- User interface: providing and time-stamping pulses, bursts, etc. Controlling times, repetition rates, duty cycles...
- Distance requirements
- Combining or not quantum and classical networks in the same fibre
- Opportunities for standardisation, formal or de-facto
- Other?

**What are your plans for the short and medium term?**

**Can this event spawn one or more collaborative efforts in this domain?**

Please write to us at [qti@cern.ch](mailto:qti@cern.ch) with your initial thoughts so we can put in place a plan for this session, including moderation, and make the best use of our valuable time together. We are looking forward to seeing many of you at CERN!

Join the conversation also remotely by: <https://cern.zoom.us/j/64805775491?pwd=nEFVqxJyMP8pZumuxpkZ8WvLOgVdSa.1>

### Short summary

### Email Address of submitter

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