

Muoniverse Technology Seminar Series 2026

From Scientific Challenges to Next-Generation Muon Technologies

Purpose

The Muoniverse Technology Seminar Series aims to demonstrate how technological innovation enables new scientific discoveries and practical applications. Each seminar brings together complementary perspectives from Technology and Fundamentals/Application to illustrate the complete research ecosystem.

Audience

- PhD candidates (incl. from PIs research groups at their home institutions)
- Postdoctoral researchers (incl. from PIs research groups at their home institutions)
- Principal Investigators
- Industry and institutional partners
- Interested members of the Muoniverse consortium

Location

Hybrid (PSI WBGB 021 + MS Teams)

Speakers

Date	Seminar Sessions	Technology Perspective	Fundamentals/Application Perspective
Tuesday 13 October	1. Microbeams and Muon Reacceleration	Aldo Antognini, Thomas Prokscha	Christian Bernhard, Zurab Guguchia
Thursday 22 October	2. Pixel Detectors: Precision Timing for the Next Generation	Hans-Christian Kästli, Aliakbar Ebrahimi	Pascal Isenring, Mathias Bavay, Christoph Marty

Possible additional panel members to enrich the discussion

- *Hubertus Leutkens (Technology Lead)*
- *Anna Soter (Fundamentals Lead)*
- *Ulrike Grossner (Applications Lead)*
- *Early-career researcher (PhD/Postdoc) working directly on the topic, **please contact us early!***

Program

Time	Activity
10:30–10:35	Welcome, introduction of speakers and seminar objectives
10:35–10:55	Technology Talk (20 min) Technology challenges, current developments, future roadmap
10:55–11:15	Fundamentals/Application Talk (20 min) Scientific questions, user requirements and opportunities enabled by the technology
11:15–11:25	Moderated dialogue between the speakers
11:25–11:50	Interactive panel discussion with audience (25 min)
11:50–13:00	Networking, announcements and informal discussions over standing lunch

Pre-seminar

15 minutes before start

- Online participants join
- Test microphone, speakers, screensharing for online contributors