

Session Program

13-17 Jul 2026

PIONEER 2nd Reconstruction Workshop

Day 1

CENPA, Room 128 (conference room)

Monday 13 July

08:40

Day 1: Status of viability campaign

Session | **Location:** CENPA, Room 128 (conference room) | **Conveners:** Quentin Buat, Patrick Schwendimann

08:40–09:10 **Toward 0.01%**

Speaker

Quentin Buat

09:10

09:10

Day 1: Test beam simulations

Session | **Location:** CENPA, Room 128 (conference room) | **Conveners:** Patrick Schwendimann, Quentin Buat

09:10–09:40 **piE5 beam and PSM simulations**

Speaker

Kolja Frahm

09:40–10:10 **piE5 measurement plans**

Speaker

Joshua LaBounty

10:10–10:30 **Low-level reconstruction / raw data processing**

Speaker

Patrick Schwendimann

10:30

10:50

Day 1: Software

Session | **Location:** CENPA, Room 128 (conference room) | **Conveners:** Patrick Schwendimann, Quentin Buat

10:50–11:10 **PIONEER simulation and reconstruction framework 3.0**

Speaker

Patrick Schwendimann

11:10–11:25 **LXe Calo reconstruction overview**

Speaker

Kensuke Yamamoto

11:30

13:00

Day 1: Baseline Pipeline

Session | **Location:** CENPA, Room 128 (conference room) | **Conveners:** Quentin Buat, Patrick Schwendimann

13:00–13:20 **Status of the simulation and detector response**

Speaker

Bradley Taylor

13:20–13:50 **Status of the Rule-based reconstruction**

Speaker

Sean Foster

13:50–14:10 **ATAR8 simulations**

14:25

Speaker
Jessie Yang

14:10–14:25 **genFit**

Speaker
Adam Molnar

15:00

Day 1: AI

Session | **Location:** CENPA, Room 128 (conference room) | **Conveners:** Quentin Buat, Patrick Schwendimann

15:00–15:30

Pioneer Unified Reconstruction with Interactive Transformer topologY (PURITY)

Speaker
Omar Beesley

15:30–15:50 **AI Infrastructure**

Speaker
John Carlton

15:50–16:10 **ML approach to LXe event reconstruction**

Speaker
David Gallacher

16:40