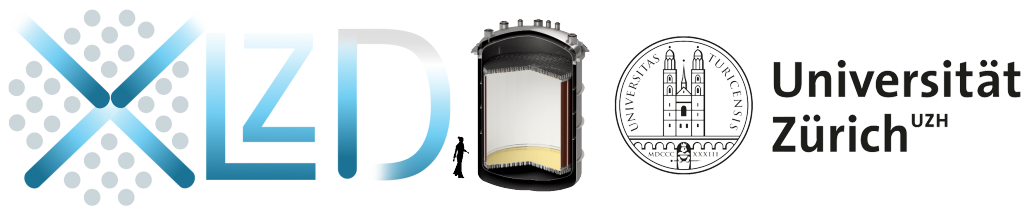


## Session Program

29 June 2026 to 3 July 2026



**XLZD 2026 Collaboration meeting**

***Poster Session***

Zürich

# Monday 29 June

18:00

## Poster Session: Aperó & Poster Session

Session | Location: Zürich

18:00–18:01 **Cross Calibration Campaign for HPGe screening**

**Speaker**

Andrew Stevens

18:01–18:02 **Status of Digital SiPM Development**

**Speaker**

Prof. Peter Fischer

18:02–18:03 **XLZD cryostat**

**Speaker**

Dr Pawel Majewski

18:03–18:04

**A large-diameter, dual-phase liquid xenon TPC in the unshielded PANCAKE facility**

**Speaker**

Sebastian Lindemann

18:04–18:05

**Quantifying the sensitivity of XLZD to low mass WIMPs using the Migdal effect**

**Speaker**

Robert James

18:05–18:06 **HV delivery in XLZD**

**Speaker**

Yanina Biondi

18:06–18:07 **Sustainable XLZD**

**Speaker**

Asher Cunningham Kaboth

18:07–18:08 **Boulby Site Computing Infrastructure**

**Speaker**

Philip Garrad

18:08–18:09 **Cryostat Lifting and Handling**

**Speaker**

Anmol Goyal

18:09–18:10 **Xenoscope**

**Speakers**

Rebecca Hampp, Sana Ouahada

18:10-18:11

**Status of the MainzTPC Upgrade for Precision Low-Energy Recoil Measurements in Liquid Xenon****Speaker**

Prof. Uwe Gerd Oberlack

18:11-18:12

**XLZD@Boulby - Rn Reduced Labs****Speaker**

Alex Jones

18:12-18:13

**Photoluminescent detector materials as a potential source of delayed photon background in XLZD****Speaker**

Anna Hurhina

18:13-18:14

**XLZD@Boulby - Underground Transportation Strategies****Speaker**

Mr Martin McBrinn

18:14-18:15

**Options Analysis for the LXe Skin Detector****Speaker**

Ricardo Peres

18:15-18:16

**XLZD TPC Maintenance Challenges****Speaker**

Harry Byrne

18:16-18:17

**Novel Purity Sensors in Liquid Xenon Time Projection Chambers****Speaker**

Tom Sonius

18:17-18:18

**Studies of dielectric breakdown in liquid xenon with the MOTION detector****Speaker**

Keyu Ding

18:18-18:19

**Copper-Kapton Flex Cables for the XLZD Photosensor Readout****Speaker**

Arindam Roy

18:19-18:20

**Improved WIMP Limits with a Focussed Test Statistic****Speaker**

Torben Flehmke

18:20-18:21

**XLZD - TPC Installation and Maintenance Strategies****Speakers**

Alex Jones, Mr Harry Byrne

18:21-18:22

**Development and First Results of a Cryogenic Heat Pump Demonstrator for High-Flow Radon Distillation in XLZD**

**Speaker**

Daniel Wenz

**18:22-18:23 Field Cage Design Concepts for XLZD****Speaker**

Kevin Thieme

**18:23-18:24 Low-activity-stem PMTs for XLZD: towards ultra-low backgrounds****Speaker**

Margherita Noia

**18:24-18:25****Precision Characterization of Internal Radioactive Background for XLZD****Speaker**

Ying-Ting Lin

**18:25-18:26 The Bedretto Underground Lab as R&D Facility for XLZD****Speakers**

Björn Penning, Nicolas Angelides

**18:26-18:27****Enabling XLZD at Boulby: Underground Infrastructure and Site Services****Speaker**

Jon Elmer

**18:27-18:28 The XLZD Assay Database & Background Calculator****Speaker**

Bram Miles

**18:28-18:29 Preliminary studies of the LCE of the XLZD Outer Detector****Speakers**

Filippo Campanini, Marco Selvi, Pietro Di Gangi

19:30