

Session Program

28 September 2026 to 2 October 2026



TWEPP26 Topical Workshop on Electronics for Particle Physics

ASIC - MAPS

Castelldefels, Barcelona, Spain
Hotel Rey Don Jaime

Tuesday 29 September

15:20

ASIC - MAPS

Session | Location: Castelldefels, Barcelona, Spain, Hotel Rey Don Jaime

15:20-15:36

Monolithic Pixel Detector with Parallel Comparator Readout and TDC Averaging for Precision Timing in Mu3e

Speaker

Miaoran Sun

15:40-15:56

MALTA2 Monolithic Pixel Sensor in High-Radiation Environments: Recent Results and Developments

Speaker

Milou Van Rijnbach

16:00-16:16

End-to-End Design Flow for On-Chip Data Compression with Embedded AI in MAPS Pixel Detectors

Speaker

Jelena Lalic

16:16

17:40

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17:40-17:56

A Multi-Function Power and Control ASIC for Serially Powered MAPS in the ePIC SVT at the Electron Ion Collider

Speaker

Grzegorz Deptuch

18:00-18:16

Performance-aware sensor design - PixESL for ALMIRA

Speaker

Davide Chiappara

18:16

Wednesday 30 September

09:00

ASIC - MAPS

Session | **Location:** Castelldefels, Barcelona, Spain, Hotel Rey Don Jaime

09:00–09:16

ALICE ITS3 MOSAIX development and implementation: a retrospective view of challenges and lessons.

Speaker

Gianluca Aglieri Rinella

09:20–09:36

Challenges in the verification of MOSAIX ASIC for ALICE ITS3

Speaker

Dr Simone Scarfi'

09:40–09:56

Architecture and Power Distribution Strategies of the Wafer-Scale MOSAIX Sensor for ALICE ITS3

Speaker

Dominik Dobrijevic

09:56

11:20

ASIC - MAPS

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11:20–11:36

ALICE ITS3 MOSAIX test system experience and yield characterization

Speaker

Ola Slettevoll Groettvik

11:40–11:56

MOSAIX: System Integration and Data Path Performance

Speaker

Maximilian Babeluk

12:00–12:16

ALICE ITS3 MOSAIX functional and performance results

Speaker

Szymon Bugiel

12:16