

Session Program

28 September 2026 to 2 October 2026



TWEPP26 Topical Workshop on Electronics for Particle Physics

ASIC

Castelldefels, Barcelona, Spain
Hotel Rey Don Jaime

Monday 28 September

15:00

ASIC

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

15:00-15:16

Design and Implementation of a Highly Configurable MEMS Readout Chip with 10 ng/ $\sqrt{\text{Hz}}$ Noise for Newtonian-Noise Sensing in Future Gravitational Wave Detectors

Speaker

Dr O. Can Akgun

15:20-15:36

LArPix: Cryoelectronics for the Deep Underground Neutrino Experiment (DUNE)

Speaker

Stephen Greenberg

15:40-15:56

Developments and results from the IGNITE project in CMOS 28-nm technology

Speaker

Adriano Lai

15:56

16:30

ASIC

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

16:30-16:46

FURNIX: Further Advancements in 28 nm CMOS Radiation-Hardened IP for Particle-Physics Experiments

Speaker

Thomas Charles Gardiner

16:50-17:06

CALOROC1B first measurement results for the ePIC backward calorimeter at the Electron-Ion Collider (EIC).

Speaker

Pedro Pablo DUMAS ZIEHLMANN

17:10-17:26

A 64-channel ASIC for the readout of the MicroMega detectors of the AMBER experiment

Speaker

Gianni Mazza

17:26

Tuesday 29 September

09:00

ASIC

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

09:00–09:16

ROSA: an On-chip Programmable SoC for Front-End ASICs

Speaker

Marco Andorno

09:20–09:36

CALOROC1C: A Versatile Front-End ASIC for Liquid Argon Calorimetry at FCC with Silicon Detector Compatibility

Speaker

Aimie Laffitte

09:40–09:56

A Pre-Silicon Flow for IR-drop Induced Jitter Simulation

Speaker

Mr David Peninon Herbaut

09:56