

Session Program

17-21 Jun 2024

**2nd DRD1 Collaboration Meeting & Topical
Workshop on Electronics for Gaseous
Detectors**

***Topical Workshop on Electronics for Gaseous
Detectors***

CERN, 13/2-005

Wednesday 19 June

09:00

Topical Workshop on Electronics for Gaseous Detectors

Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:**
Lucian Scharenberg, Maxime Gouzevitch, Sorin Martoiu, Hans Muller, Michael Lupberger, Marco Bregant

09:00–09:05 Introduction to the workshop

Speakers

Hans Muller, Lucian Scharenberg, Michael Lupberger

09:05–09:25 New ASICs for MPGDs

Speakers

Gianni Mazza, Gianni Mazza

09:25–09:45 Timepix4 and pixel ASIC design challenges

Speaker

Xavi Llopart Cudie

09:45–10:05 ASIC design challenges with a focus on precise timing

Speakers

Gianni Mazza, Gianni Mazza

10:05–10:20 Development of a new ASD-ASIC for drift-tube and straw detectors

Speakers

Oliver Kortner, Oliver Kortner

10:20–10:40 MPGD electronics from R&D to the ATLAS NSW

Speaker

George Iakovidis

10:40–11:10 Coffee break

11:10–11:30 Short status on DRD7 ADC & TDC activities

Speakers

Marek Idzik, Marek Idzik

11:30–11:50 RPC physics and performance vs. low discrimination threshold

Speaker

Roberto Cardarelli

11:50–12:05 Development of self-triggered drift-tube chambers

Speaker

Davide Cieri

12:05–12:25 Electronics for DUNE

Speaker

Roberto Petti

12:30

14:00

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Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:**
Maxime Guzevitch, Michael Lupberger, Hans Muller

14:00-14:15 SOM for eFEC backends

Speakers

Jose Francisco Toledo Alarcon, Jose Francisco Toledo Alarcon

14:15-14:30 Update on eFEC backend project

Speaker

Hans Muller

14:40-14:55 SALSA: a new versatile readout chip for MPGDs

Speakers

Damien Neyret, Damien Neyret

14:55-15:10 Readout links on SALSA

Speaker

Irakli Mandjavidze

15:20-15:40 IpGBT and Versatile link overview

Speaker

Stefan Biereigel

15:45-16:10 Coffee break

16:10-16:30 CMS RPC link card

Speakers

Dr Behzad Boghrati, Behzad Boghrati

16:30-16:55 First data with the uROC concentrator for VMM front-ends

Speakers

Alexandru Rusu, Dorothea Pfeiffer

16:55-17:15 Electronics requirements for a low-energy nuclear physics TPC

Speakers

Daniel Bazin, Dr Marco Cortesi, Marco Cortesi

17:15-17:30 Close-Out

Speaker

Michael Lupberger

17:40