

Session Program

13-17 Oct 2025



4th DRD4 Collaboration Meeting

***Working Group 1 meeting (open to the whole
DRD4 community)***

CERN, 222/R-001

Tuesday 14 October

15:40

Working Group 1 meeting (open to the whole DRD4 community)

Session | **Location:** CERN, 222/R-001 | **Convener:** Retiere, Fabrice

15:40-15:50 **Compendium or review - next step of the process**

15:50-16:05 **Status of document and feedback about process**

Speaker

Romano, Angela

16:05-16:15 **Review process and schedule update**

Speaker

Retiere, Fabrice

16:15-16:25 **Gap: Hybrid photo-detector**

Speaker

Romano, Angela

16:25-16:40 **Gap: Emerging or unconventional technologies (WG6)**

Speaker

Retiere, Fabrice

16:40

Wednesday 15 October

09:00

Working Group 1 meeting (open to the whole DRD4 community)

Session | Location: CERN, 222/R-001 | Convener: Retiere, Fabrice

09:00-09:20 **High-count rate saturation behaviour in MCP-PMTs**

Speaker

Prof. Chen, Ping

09:20-09:40 **FPGA TDC for TOF-PET detector based on FPMT**

Speaker

Ning, Zhe

09:40-10:00 **A Timing ASIC for TOF-PET application**

Speaker

Yan, Xiongbo

10:00-10:20

Thermal Cesium Release in PMTs Revealed by Resonant Laser Spectroscopy and Its Correlation with Quantum Efficiency

Speaker

Simonelli, Andreino

10:20-10:30 **Compendium - Motivation**

Speaker

Fiorini, Massimiliano

10:30-11:00 **Compendium - Characterization methods/setup and standardization**

Speaker

qians, Sen Qian

11:00

11:20

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11:20-11:50 **Compendium - Physical principles and common architectures**

Speaker

Prof. Lapington, Jon

11:55-12:25 **Compendium - Photo-multiplier Tube**

Speaker

qians, Sen Qian

12:30-13:00 **Compendium - Microchannel Plate Photomultiplier Tubes (MCP-PMTs)**

Speaker

Romano, Angela

13:00

14:00

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14:00–14:30 **Fraunhofer BSI SPAD array**

14:40–15:10 **Sherbrooke 3D integrated SPAD arrays**

Speaker

Prof. Charlebois, Serge

15:20–15:50 **Compendium - SiPM**

Speakers

Dalmasson, Jacopo, Kachru, Priyanka

15:50

16:10

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16:10–16:30

Exploiting time and spatial correlations to reduce noise in SiPM-based RICH detectors

Speaker

Pena Rodriguez, Jesus

16:30–17:00 **Compendium - SPAD physics process**

Speaker

Raymond, Kurtis

17:00–17:30 **Compendium - SPAD radiation damage**

Speaker

Ratti, Lodovico

17:30–18:00 **Compendium - Digital SiPM**

18:00