

Session Program

7-11 Apr 2025



3rd DRD4 Collaboration Meeting

Working Group 1

CERN, 222/R-001

Wednesday 9 April

09:00

Working Group 1

Session | Location: CERN, 222/R-001

09:00–09:05 **WG1 Introduction**

Speaker

Retiere, Fabrice

09:10–09:30

Reviewing the Performance of Photek's Single Photon Timing Detectors

Speaker

Markfort, Amelia

09:35–09:50 **Photonis Fast Timing MCP-PMT**

Speakers

Orlov, Dmitry, Orlov, Dmitry

09:55–10:15 **The fast timing 2 inch MCP-PMT with PbF window**

Speaker

Chen, Lingyue

10:20–10:35 **Detailed study of afterpulses in MCP-PMTs**

Speaker

Costi, Gabriele

10:40–10:50 **MCP-PMT: Compendium plan**

Speaker

Romano, Angela

10:50

11:10

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11:10–11:40 **Digital SiPM: Photon to Digital Converter**

Speaker

Prof. Charlebois, Serge

11:45–12:05 **Digital SiPM: AQUA**

Speakers

Prof. Charbon, Edoardo, Charbon, Edoardo

12:10–12:30 **Digital SiPM in compendium**

Speakers

D'Ascenzo, Nicola, Retiere, Fabrice

12:35–12:55 **Superconducting nanowire**

Speakers

Korzh, Boris, Korzh, Boris Alexander

12:55

13:55

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14:00–14:20 **Large area MCPs: performance and new developments**

Speaker

Popecki, Mark

14:25–14:40 **Status of LAPPD studies at JSI**

Speakers

Korpar, Samo, Korpar, Samo

14:45–15:00 **SiPMs assesement with application to CBM RiCH**

Speaker

Pena Rodriguez, Jesus

15:05–15:25 **SPAD array configurations**

Speaker

Gola, Alberto Giacomo

15:30–15:45 **Single Photon Avalanche Diode: Neutron impact**

Speaker

Gardinovacki, Boris

15:50–16:10 **Neutron damage on CMOS SPAD**

Speaker

Ratti, Lodovico

16:10

16:30

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16:30–16:45 **Optics: getting light into SPAD**

Speaker

Haefeli, Guido

16:50–17:05 **SPAD Avalanche modeling**

Speaker

Koulosousas, Seraphim

17:10–17:25 **SPAD Efficiency modeling**

Speaker

de St. Croix, Austin

17:30–17:50 **SPAD nuisance processes and compendium plan**

Speaker

Lewis, Harry

17:55–18:15 **SPAD/SiPM compendium wrap-up**

Speaker

Retiere, Fabrice

18:15

Thursday 10 April

09:00

Working Group 1

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09:00–09:30 **Characterization setups: overview and compendium plan**

Speakers

Qian, Sen, qians, Sen Qian

09:30–09:55

Systematic approach of measuring MCP-PMT performance parameters

Speakers

Lehmann, Albert, Lehmann, Albert Alwin

10:00–10:50 **Discussion, plans and scope of work in the compendium.**

Speaker

Retiere, Fabrice

10:50

11:20

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11:20–11:40 **The Status of the PMTs in JUNO**

Speaker

Prof. Wang, Wei

11:45–12:05 **The various aspects of the PMT in KM3NeT**

Speaker

Simonelli, Andreino

12:10–12:30 **Status and prospects for the HUNT project**

Speaker

Dr You, xiaohao

12:40