

**Session Program**

**11-13 Feb 2025**

**DRD2 Collaboration Meeting**

***WP2 Light Readout***

CERN, 6/2-024 - BE Auditorium Meyrin

# Tuesday 11 February

16:20

## WP2 Light Readout: T2.1 Light sensors

**Session** | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Conveners:** Paolo Agnes, Miguel Angel Garcia Peris

16:20–16:25 **Introduction**

**Speakers**

Miguel Angel Garcia Peris, Paolo Agnes

16:25–16:35

### Update on the acquisition and test of organic photosensors in ASTROCENT

**Speaker**

Marcin Kuzniak

16:35–16:40

### Plans for graphene coatings on SPADs

16:40–16:50

### VUV optimized coating technologies for CMOS detectors in the Open University

**Speaker**

Dr Jesper Skottfelt

16:50–17:05

### Status CMOS SPADs and plans for BSI SPADs at IMS

**Speaker**

Michael Keller

17:05–17:20

### Update on 3D PDCs development and characterization at Sheerbroke

**Speaker**

Gabriel Lessard

17:20–17:35

### Update on FBK NUV-BSI technologies

**Speakers**

Alberto Gola, Alberto Gola

17:35–17:45

### Characterization of charge collection in SPADs at TRIUMF

**Speakers**

Fabrice Retiere, Seraphim Koulosousas, Seraphim Koulosousas

17:45–17:50

### PDE measurements for different wavelengths and cryogenic temperatures at CIEMAT

**Speakers**

Antonio Verdugo De Osa, Antonio Verdugo de Osa

17:50–18:00

### Introduction to NOA

**Speakers**

Andrea Marasciulli, Lucia Consiglio

18:00–18:08

### Setup and ongoing measurements in Ferrara

18:10-18:25

**Development of digital cryogenic SiPMs in 55 nm CMOS at Fermilab**

**Speaker**

Dr Alexander Kish

18:35

## Wednesday 12 February

08:30

### WP2 Light Readout: T2.2 Higher efficiency WLS and light collection

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Marcin Kuzniak, Dr Justo Martín-Albo

08:30–08:35 **Introduction**

**Speaker**

Justo Martín-Albo

08:35–08:50 **Polymeric WLS and cryogenic VUV characterization**

**Speaker**

Marcin Kuzniak

08:50–09:10 **R&D on large-area photon collectors for future liquid argon detectors**

**Speaker**

Carla Maria Cattadori

09:10–09:25 **R&D on metasurfaces for VUV photon detection**

**Speaker**

Augusto Martins

09:25–09:40 **Measurement of the PDE of X-ARAPUCAS for DUNE FD-VD**

**Speaker**

Sergio Manthey Corchado

09:40–09:55 **R&D on large-area photon collectors at IFIC**

**Speaker**

Jose Alfonso Soto Oton

09:55–10:10 **Muon tracking with an opaque liquid scintillator prototype**

**Speaker**

Nicolò Tuccori

10:10–10:30 **Discussion**

10:30