

# **DRD2 Collaboration Meeting**

## **Report of Contributions**

Contribution ID: **105**

Type: **not specified**

## Introduction

*Wednesday, 21 January 2026 10:00 (10 minutes)*

**Presenters:** DEISTING, Alexander (Johannes Gutenberg Universitaet Mainz (DE)); MAVROKO-RIDIS, k (University of Liverpool (GB))

**Session Classification:** WP 1

Contribution ID: **106**

Type: **not specified**

## **Update on glass THGEMs simulations and manufacturing process**

*Wednesday, 21 January 2026 10:10 (20 minutes)*

**Presenter:** LOWE, Adam (University of Liverpool (GB))

**Session Classification:** WP 1

Contribution ID: **107**

Type: **not specified**

## **Results from single electron studies in liquid argon by DarkSide-50**

*Thursday, 22 January 2026 17:10 (20 minutes)*

**Presenter:** Dr WADA, Masayuki (AstroCent: Nicolaus Copernicus Astronomical Centre, PAN, Poland)

**Session Classification:** WP 4

Contribution ID: **108**

Type: **not specified**

## **Recent results on liquid xenon purification**

*Thursday, 22 January 2026 16:50 (20 minutes)*

**Presenter:** LIN, Ying-Ting (University of Münster, Institute for Nuclear physics)

**Session Classification:** WP 4

Contribution ID: **109**

Type: **not specified**

## **Staus of the industrial-scale plants for underground argon production and purification**

*Thursday, 22 January 2026 17:30 (20 minutes)*

**Presenter:** GABRIELE, Federico (Universita e INFN, Cagliari (IT))

**Session Classification:** WP 4

Contribution ID: **110**

Type: **not specified**

## **Update from the RDC in the US**

**Presenters:** ASAADI, Jonathan; Prof. ASAADI, Jonathan (University of Texas at Arlington)

Contribution ID: **111**

Type: **not specified**

## **Introduction and news from Astrocent**

*Thursday, 22 January 2026 09:00 (15 minutes)*

**Presenter:** KUZNIAK, Marcin (AstroCeNT / NCAC Polish Academy of Sciences)

**Session Classification:** WP 2



Contribution ID: **112**

Type: **not specified**

## **R&D on wavelength-shifting reflectors for LEGEND-1000**

*Thursday, 22 January 2026 09:15 (20 minutes)*

**Presenters:** SENATORE, Gloria (University of Zurich); BABICZ, Marta Ewelina

**Session Classification:** WP 2

Contribution ID: **113**

Type: **not specified**

## **X-ARAPUCA PDE measurements**

*Thursday, 22 January 2026 09:50 (20 minutes)*

**Presenter:** CUESTA SORIA, Clara (CIEMAT)

**Session Classification:** WP 2

Contribution ID: **114**

Type: **not specified**

## LiquidO R&D

*Thursday, 22 January 2026 10:10 (20 minutes)*

**Presenter:** DE CARLOS GENEROWICZ, Max (University of Sussex)

**Session Classification:** WP 2

Contribution ID: **115**

Type: **not specified**

## News from WG 3

*Wednesday, 21 January 2026 11:00 (10 minutes)*

**Presenters:** Dr TAM, Benjamin (University of Oxford); Dr SANCHEZ-LUCAS, Patricia (University of Granada)

**Session Classification:** WG session

Contribution ID: **116**

Type: **not specified**

## Discussion

*Wednesday, 21 January 2026 11:10 (20 minutes)*

**Session Classification:** WG session

Contribution ID: **117**

Type: **not specified**

## Update and status of the Neutrino Platform

*Wednesday, 21 January 2026 11:40 (25 minutes)*

**Presenter:** RESNATI, Filippo

**Session Classification:** WG session

Contribution ID: **118**

Type: **not specified**

## News from WG1

*Wednesday, 21 January 2026 11:30 (10 minutes)*

**Presenter:** TUFANLI, Serhan (CERN)

**Session Classification:** WG session

Contribution ID: **119**

Type: **not specified**

## Discussion

*Wednesday, 21 January 2026 12:05 (25 minutes)*

**Session Classification:** WG session



Contribution ID: **120**

Type: **not specified**

## **Discussion for 1.1 (charge and charge+light)**

*Wednesday, 21 January 2026 15:30 (1h 30m)*

**Presenters:** GRAMELLINI, Elena (University of Manchester); ASAADI, Jonathan; Prof. ASAADI, Jonathan (University of Texas at Arlington)

**Session Classification:** Parallel Session Discussions

Contribution ID: **121**

Type: **not specified**

## Discussion from 2.1 (quantum efficiency of sensors)

*Wednesday, 21 January 2026 15:45 (1h 15m)*

\subsection{test}

**Presenters:** GARCIA PERIS, Miguel Angel (University of Manchester); AGNES, Paolo (GSSI)

**Session Classification:** Parallel Session Discussions

Contribution ID: 122

Type: **not specified**

## **Energy releases in materials, dark matter searches and qubit decoherence**

*Thursday, 22 January 2026 18:25 (15 minutes)*

**Presenter:** PEREVERZEV, sergey (LLNL)

**Session Classification:** WP 3

Contribution ID: **123**

Type: **not specified**

## **Status of the test facility for Xe-doped LAr studies in Naples**

**Presenters:** RUDIK, Dmitrii (University Federico II & INFN, Napoli); RUDIK, Dmitrii (UNINA)

**Session Classification:** WP 3

Contribution ID: **124**

Type: **not specified**

## **CHILLAX –Xenon-doped argon studies @LLNL**

*Thursday, 22 January 2026 17:55 (15 minutes)*

**Presenter:** Dr XU, Jingke (Lawrence Livermore National Laboratory, USA)

**Session Classification:** WP 3

Contribution ID: **125**

Type: **not specified**

## **The ReD / ReD+ programme**

**Presenter:** PANDOLA, Luciano (INFN Laboratori Nazionali del Sud, Italy)

**Session Classification:** WP 3

Contribution ID: 126

Type: **not specified**

## **Ionization yields in LAr and LXe at low energies: a tension?**

*Friday, 23 January 2026 11:30 (15 minutes)*

**Presenter:** FRANCO, Davide (APC)

**Session Classification:** WP 3

Contribution ID: 127

Type: **not specified**

## **Excess backgrounds and circulation–purification of Xe-enriched liquid Ar**

**Presenter:** PEREVERZEV, sergey (LLNL)

**Session Classification:** WP 4



Contribution ID: **128**

Type: **not specified**

## **SNO+ R&D and production**

*Thursday, 22 January 2026 13:00 (15 minutes)*

**Presenter:** Mr MILTON, Gulliver (University Of Oxford)

**Session Classification:** WP 3

Contribution ID: **129**

Type: **not specified**

## Te-loaded scintillator R&D for JUNO

*Thursday, 22 January 2026 13:15 (15 minutes)*

**Presenter:** DING, Yayun (中国科学院高能物理研究所)

**Session Classification:** WP 3

Contribution ID: **130**

Type: **not specified**

## LS in Eos

*Thursday, 22 January 2026 13:45 (15 minutes)*

**Presenter:** Dr TAM, Benjamin (University of Oxford)

**Session Classification:** WP 3

Contribution ID: **131**

Type: **not specified**

## **WbLS in ANNIE**

*Thursday, 22 January 2026 14:00 (15 minutes)*

**Presenter:** KERN, Philipp

**Session Classification:** WP 3

Contribution ID: **132**

Type: **not specified**

## **Status of BNL-30T+(Wb)LS production**

*Thursday, 22 January 2026 14:15 (15 minutes)*

**Presenter:** YANG, Guang (Brookhaven National Lab)

**Session Classification:** WP 3

Contribution ID: 133

Type: **not specified**

## **developments of electrodes and dielectric properties for large scale LXe TPCs**

*Friday, 23 January 2026 11:45 (15 minutes)*

**Presenter:** DING, Keyu (Karlsruhe Institute of Technology)

**Session Classification:** WP 3

Contribution ID: 134

Type: **not specified**

## Naples' TPC-testing Facility

*Thursday, 22 January 2026 14:30 (15 minutes)*

**Presenters:** MATTEUCCI, Giuseppe; MATTEUCCI, Giuseppe (Università degli Studi di Napoli Federico II)

**Session Classification:** WP 4

Contribution ID: **135**

Type: **not specified**

## **LArPix+LightPix**

*Thursday, 22 January 2026 14:45 (15 minutes)*

**Presenter:** DWYER, Daniel Andrew (Lawrence Berkeley National Lab. (US))

**Session Classification:** WP 4



Contribution ID: **136**

Type: **not specified**

## **Xenoscope and photosensor testing**

*Thursday, 22 January 2026 15:00 (15 minutes)*

**Presenter:** CUENCA GARCIA, Jose Javier

**Session Classification:** WP 4

Contribution ID: **137**

Type: **not specified**

## APEX

*Thursday, 22 January 2026 15:15 (15 minutes)*

**Presenter:** SHI, Wei (Stony Brook University (US))

**Session Classification:** WP 4

Contribution ID: **138**

Type: **not specified**

## **T4.3 Large-Area Readouts News and Discussion**

*Thursday, 22 January 2026 16:00 (10 minutes)*

**Co-authors:** DWYER, Daniel Andrew (Lawrence Berkeley National Lab. (US)); CRESPO-ANADÓN, José I. (CIEMAT (Madrid, Spain))

**Presenter:** CRESPO-ANADÓN, José I. (CIEMAT (Madrid, Spain))

**Session Classification:** WP 4

Contribution ID: 139

Type: **not specified**

## **Discussion: medium-scale facilities & integration/overlaps with other DRD2 tasks**

*Thursday, 22 January 2026 16:10 (20 minutes)*

**Session Classification:** WP 4

Contribution ID: **140**

Type: **not specified**

## **VUV Reflectance Measurements at IFIC**

*Thursday, 22 January 2026 09:35 (15 minutes)*

**Co-author:** Mr AMAR ES-SGHIR, Hamza (IFIC (CSIC-UV))

**Presenter:** Mr AMAR ES-SGHIR, Hamza (IFIC (CSIC-UV))

**Session Classification:** WP 2

Contribution ID: **141**

Type: **not specified**

## **Slow liquid scintillators for double-beta decay searches**

*Thursday, 22 January 2026 13:30 (15 minutes)*

**Presenter:** STEIGER, Hans (Cluster of Excellence PRISMA+)

**Session Classification:** WP 3

Contribution ID: **142**

Type: **not specified**

## **WP2.T1 introduction**

*Wednesday, 21 January 2026 14:00 (10 minutes)*

**Presenters:** GARCIA PERIS, Miguel Angel (University of Manchester); AGNES, Paolo (GSSI)

**Session Classification:** WP 2

Contribution ID: **143**

Type: **not specified**

## Updates from Open University

*Wednesday, 21 January 2026 14:10 (15 minutes)*

**Presenter:** ROMERO, Anabel

**Session Classification:** WP 2



Contribution ID: **144**

Type: **not specified**

## Updates from FBK

*Wednesday, 21 January 2026 14:25 (15 minutes)*

**Presenters:** GOLA, Alberto Giacomo (Fondazione Bruno Kessler (IT)); GOLA, Alberto Giacomo (Fondazione Bruno Kessler); FICORELLA, Andrea; FICORELLA, Andrea (Fondazione Bruno Kessler)

**Session Classification:** WP 2

Contribution ID: 145

Type: **not specified**

## Updates from Sherbrooke

*Wednesday, 21 January 2026 14:40 (15 minutes)*

**Presenter:** LESSARD, Gabriel (Université de Sherbrooke)

**Session Classification:** WP 2

Contribution ID: **146**

Type: **not specified**

## **SiPM in liquid Xenon within the LoLX experiment**

*Wednesday, 21 January 2026 15:30 (15 minutes)*

**Presenters:** GALLACHER, David (TRIUMF National Lab); GALLACHER, David

**Session Classification:** Parallel Session Discussions

Contribution ID: **147**

Type: **not specified**

## Discussion recap

*Thursday, 22 January 2026 11:00 (10 minutes)*

**Presenters:** GARCIA PERIS, Miguel Angel (University of Manchester); AGNES, Paolo (GSSI)

**Session Classification:** WP 2

Contribution ID: **148**

Type: **not specified**

## Updates from Manchester

*Thursday, 22 January 2026 11:10 (15 minutes)*

**Presenters:** PALMEIRO, Brais (University of Manchester); PALMEIRO PAZOS, Brais

**Session Classification:** WP 2

Contribution ID: **149**

Type: **not specified**

## **CARP: CAEN Acquisition and Readout Programme**

*Thursday, 22 January 2026 11:25 (15 minutes)*

**Presenter:** WAITON, John (University of Manchester)

**Session Classification:** WP 2

Contribution ID: **150**

Type: **not specified**

## **The ReD / ReD+ programme**

*Thursday, 22 January 2026 18:10 (15 minutes)*

**Presenter:** PANDOLA, Luciano (INFN Laboratori Nazionali del Sud, Italy)

**Session Classification:** WP 3

Contribution ID: **151**

Type: **not specified**

## **B-doped PMMA sheets: an update**

*Friday, 23 January 2026 10:30 (15 minutes)*

**Author:** BRUGNERA, Riccardo (Padova University and INFN Padova)

**Presenter:** BRUGNERA, Riccardo (Padova University and INFN Padova)

**Session Classification:** WP 4



Contribution ID: **152**

Type: **not specified**

## **Radon capture in porous adsorbents**

*Friday, 23 January 2026 10:45 (15 minutes)*

**Author:** TEDJIDITI, Hichem

**Presenter:** TEDJIDITI, Hichem

**Session Classification:** WP 4

Contribution ID: **153**

Type: **not specified**

## **R&D activity on surface cleaning protocols at LNL**

*Friday, 23 January 2026 11:00 (15 minutes)*

**Author:** AZZOLINI, Oscar

**Presenter:** AZZOLINI, Oscar

**Session Classification:** WP 4

Contribution ID: **154**

Type: **not specified**

## Discussion Time

*Friday, 23 January 2026 11:15 (15 minutes)*

**Session Classification:** WP 4

Contribution ID: 155

Type: **not specified**

## **Measurement of argon radioactivity with high sensitivity with DARTinARDM**

*Thursday, 22 January 2026 16:30 (20 minutes)*

**Presenter:** TULLIO, Sara

**Session Classification:** WP 4

Contribution ID: **156**

Type: **not specified**

## Collaboration News

*Wednesday, 21 January 2026 09:30 (30 minutes)*

**Presenter:** GUENETTE, Roxanne (The University of Manchester (GB))

**Session Classification:** DRD2 General

Contribution ID: **157**

Type: **not specified**

## Update from RDC in the US

*Wednesday, 21 January 2026 13:30 (20 minutes)*

**Presenters:** Prof. ASAADI, Jonathan (University of Texas at Arlington); ASAADI, Jonathan

**Session Classification:** DRD2 General

Contribution ID: **158**

Type: **not specified**

## Introduction

*Thursday, 22 January 2026 17:50 (5 minutes)*

**Presenter:** FRANCO, Davide (APC)

**Session Classification:** WP 3

Contribution ID: **159**

Type: **not specified**

## Summary of the WP1.1 (pixel) discussion

*Friday, 23 January 2026 12:00 (10 minutes)*

**Presenter:** GRAMELLINI, Elena (University of Manchester)