

Neutrino Platform meeting and visit

Report of Contributions

Contribution ID: 1

Type: **not specified**

Simulations of UAr dark matter detectors shielded by LAr vetoes

Thursday 26 October 2017 15:00 (30 minutes)

Presenter: SALA, Paola (CERN and INFN Milano)

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

The Global Argon Dark Matter Collaboration: DS-50, DEAP-3600, DS-20k, and future 300-tonnes detector

Thursday 26 October 2017 14:00 (30 minutes)

Presenter: BOULAY, Mark (Carleton University)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

The ProtoDUNE cryostat and cryogenics: Proposal for a LAr veto for shielding large-scale UAr dark matter searches

Thursday 26 October 2017 14:30 (30 minutes)

Presenter: NESSI, Marzio (CERN)

Session Classification: Introduction

Contribution ID: 5

Type: **not specified**

Strategy for vetoing of internal neutrons in LAr shields and considerations on shield sizing

Thursday 26 October 2017 15:30 (30 minutes)

Presenter: GALBIATI, Cristiano (Princeton University (US))

Session Classification: Introduction

Contribution ID: 6

Type: **not specified**

Detailed simulations on internal neutrons vetoing

Thursday 26 October 2017 16:00 (30 minutes)

Presenter: AGNES, Paolo (APC Paris 7)

Session Classification: Introduction

Contribution ID: 7

Type: **not specified**

The DarkSide-20k cryogenics: baseline design, plans for construction and testing, simplification in a LAr bath

Thursday 26 October 2017 17:45 (30 minutes)

Presenter: Dr WANG, Hanguo (UCLA)

Session Classification: Cryogenics

Contribution ID: 8

Type: **not specified**

DarkSide Photoelectronics

Friday 27 October 2017 09:30 (30 minutes)

Presenter: SCAPPARONE, Eugenio (INFN-Bologna(IT))

Session Classification: Photoelectronics and DAQ

Contribution ID: 9

Type: **not specified**

DarkSide-Proto: goals, program, link to DarkSide-20k cryogenics, and schedule

Friday 27 October 2017 10:45 (30 minutes)

Presenter: FIORILLO, Giuliana (Universita e INFN, Napoli (IT))

Session Classification: Photoelectronics and DAQ

Contribution ID: 12

Type: **not specified**

LAr purification from radon

Friday 27 October 2017 15:00 (30 minutes)

Presenter: Dr ZUZEL, Grzegorz (Jagiellonian University)

Session Classification: Low-radioactivity argon and closing matters

Contribution ID: 14

Type: **not specified**

Low-radioactivity argon extraction

Friday 27 October 2017 15:30 (30 minutes)

Presenter: GORETTI, Augusto Mario (INFN - National Institute for Nuclear Physics)

Session Classification: Low-radioactivity argon and closing matters

Contribution ID: 15

Type: **not specified**

Low-radioactivity argon transportation and storage

Friday 27 October 2017 16:00 (30 minutes)

Presenter: KENDZIORA, Cary (Fermi National Accelerator Laboratory)

Session Classification: Low-radioactivity argon and closing matters

Contribution ID: **16**

Type: **not specified**

Project impact

Friday 27 October 2017 14:00 (30 minutes)

Presenter: Dr IANNI, Andrea (Princeton University)

Session Classification: Low-radioactivity argon and closing matters

Contribution ID: 17

Type: **not specified**

Discussion and closing matters

Friday 27 October 2017 14:30 (30 minutes)

Presenter: GALBIATI, Cristiano (Princeton University (US))

Session Classification: Low-radioactivity argon and closing matters

Contribution ID: **18**

Type: **not specified**

DarkSide-Proto and DarkSide-20k DAQ plans

Friday 27 October 2017 12:00 (30 minutes)

Presenter: RESCIGNO, Marco (Sapienza Universita e INFN, Roma I (IT))

Session Classification: Photoelectronics and DAQ II

Contribution ID: **21**

Type: **not specified**

Discussion and Brainstorming

Thursday 26 October 2017 18:15 (45 minutes)

Presenter: GALBIATI, Cristiano (Princeton University (US))

Session Classification: Cryogenics

Contribution ID: 22

Type: **not specified**

New CERN integrated DAQ+DCS framework for LHC and Neutrino Platform

Friday 27 October 2017 11:30 (30 minutes)

Presenter: LEHMANN MIOTTO, Giovanna (CERN)

Session Classification: Photoelectronics and DAQ II

Contribution ID: 23

Type: **not specified**

The ProtoDUNE cryostat: technical data, detailed performance, assembly time, costs, and supports for internal detectors

Thursday 26 October 2017 16:45 (30 minutes)

Presenter: RESNATI, Filippo (CERN)

Session Classification: Cryogenics

Contribution ID: 24

Type: **not specified**

The ProtoDUNE cryogenics: technical data, detailed performance, assembly time and costs

Thursday 26 October 2017 17:15 (30 minutes)

Presenter: BREMER, Johan (CERN)

Session Classification: Cryogenics

Contribution ID: 25

Type: **not specified**

Startup of DarkSide-20k cryogenics at CERN: logistics and organization

Friday 27 October 2017 10:15 (30 minutes)

Presenter: MAPELLI, Livio (Princeton University (US))

Session Classification: Photoelectronics and DAQ

Contribution ID: 26

Type: **not specified**

DART at LSC

Friday 27 October 2017 10:00 (15 minutes)

Presenter: Dr REGENFUS, Christian (Eidgenössische Technische Hochschule Zuerich (CH))

Session Classification: Photoelectronics and DAQ

Contribution ID: 27

Type: **not specified**

DarkSide-50 DCS

Friday 27 October 2017 12:30 (30 minutes)

Presenter: Dr CAVALCANTE, Paolo (Virginia Tech)

Session Classification: Photoelectronics and DAQ II