

11th Symposium on Large TPCs for low-energy rare event detection



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome Talk

Monday 11 December 2023 10:00 (5 minutes)

Presenter: GIOMATARIS, Ioannis (Université Paris-Saclay (FR))

Contribution ID: 2

Type: **not specified**

Review on neutrinos

Monday 11 December 2023 10:05 (45 minutes)

Presenter: Dr DOLAN, Stephen (CERN)

Session Classification: Neutrinos I

Contribution ID: 3

Type: **not specified**

DUNE Horizontal drift TPC

Monday 11 December 2023 10:50 (20 minutes)

Presenter: RIVERA JR, David Orlando (Los Alamos National Laboratory (US))

Session Classification: Neutrinos I

Contribution ID: 4

Type: **not specified**

DUNE Vertical drift TPC

Monday 11 December 2023 11:10 (20 minutes)

Presenter: SOUZA, Henrique (Centre National de la Recherche Scientifique (FR))

Session Classification: Neutrinos I

Contribution ID: 5

Type: **not specified**

T2K/ND280 TPC commissioning at JPARC

Monday 11 December 2023 11:30 (20 minutes)

Presenter: HENAFF, David (CEA)

Session Classification: Neutrinos I

Contribution ID: 6

Type: **not specified**

Charge spreading and RC measurement in T2K Resistive Anode Micromegas

Monday 11 December 2023 11:50 (20 minutes)

Presenter: JOSHI, Shivam (CEA/IRFU, University of Paris-Saclay)

Session Classification: Neutrinos I

Contribution ID: 7

Type: **not specified**

HyperK

Monday 11 December 2023 12:10 (20 minutes)

Presenters: QUILAIN, Benjamin; QUILAIN, Benjamin

Session Classification: Neutrinos I

Contribution ID: 8

Type: **not specified**

The Global Argon Dark Matter Collaboration : The DarkSide Program: Status and Prospects

Presenter: CARAVATI, Mauro

Session Classification: Neutrinos I

Contribution ID: 9

Type: **not specified**

The Global Argon Dark Matter Collaboration : The DarkSide Program: Status and Prospects

Presenter: CARAVATI, Mauro

Session Classification: Neutrinos II

Contribution ID: **10**

Type: **not specified**

Review on neutrino-less double-beta decay

Monday 11 December 2023 14:00 (45 minutes)

Presenter: GIULIANI, Andrea

Session Classification: Neutrinos II

Contribution ID: 11

Type: **not specified**

Double-beta sources procurement and production

Monday 11 December 2023 14:45 (20 minutes)

Presenters: NONES, Claudia (IRFU/DPhP); PIQUEMAL, Fabrice; PIQUEMAL, Fabrice (CNRS)

Session Classification: Neutrinos II

Contribution ID: 12

Type: **not specified**

NEXT experiment and Barium tagging

Monday 11 December 2023 15:05 (20 minutes)

Presenter: GOMEZ CADENAS, Juan Jose (Donostia International Physics Center (DIPC) (ES))

Session Classification: Neutrinos II

Contribution ID: 13

Type: **not specified**

Review on axions

Presenter: RINGWALD, Andreas

Contribution ID: **14**

Type: **not specified**

IAXO

Presenters: MARGALEJO BLASCO, Cristina (Universidad de Zaragoza); MARGALEJO BLASCO, Cristina (Universidad de Zaragoza (ES))

Contribution ID: 15

Type: **not specified**

PandaX III (High Pressure Xenon) and PandaX 4t (liquid Xenon)

Presenters: TAO, Li (Centre National de la Recherche Scientifique (FR)); TAO, ling (Institute of Plasma Physics Chinese Academy of Science)

Contribution ID: 16

Type: **not specified**

Review on Dark Matter

Presenter: BAUDIS, Laura

Session Classification: Axions

Contribution ID: 17

Type: **not specified**

The Migdal effect for low-mass WIMP search

Presenter: Dr MAJEWSKI, Pawel (STFC/Rutherford Appleton Laboratory)

Session Classification: Axions

Contribution ID: **18**

Type: **not specified**

T-REX

Tuesday 12 December 2023 14:00 (20 minutes)

Presenter: DAFNI, Theopisti (Universidad de Zaragoza (ES))

Session Classification: Dark Matter II

Contribution ID: **19**

Type: **not specified**

NEWS-G Light Wimp Search

Tuesday 12 December 2023 14:20 (20 minutes)

Presenter: PANCHAL, Neha (Postdoctoral Fellow)

Session Classification: Dark Matter II

Contribution ID: 20

Type: **not specified**

G3 : a facility for reactor neutrinos

Tuesday 12 December 2023 14:40 (20 minutes)

Presenters: SAVVIDIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR)); Prof. SAVVIDIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR)); SAVVIDIS, Georgios

Session Classification: Dark Matter II

Contribution ID: 21

Type: **not specified**

Instrumentation developments for the Spherical Detector

Tuesday 12 December 2023 15:00 (20 minutes)

Presenter: NEEP, Tom (University of Birmingham (GB))

Session Classification: Dark Matter II

Contribution ID: 22

Type: **not specified**

Giomataris Fest

Tuesday 12 December 2023 16:00 (10 minutes)

Session Classification: Giomataris Fest

Contribution ID: 23

Type: **not specified**

Celebrating Yannis

Tuesday 12 December 2023 16:10 (20 minutes)

Presenters: FERRER RIBAS, Esther (Université Paris-Saclay (FR)); FERRER RIBAS, Esther (DAPNIA, Saclay); FERRER RIBAS, esther

Session Classification: Giomataris Fest

Contribution ID: 24

Type: **not specified**

Conferences initiated by Yannis

Tuesday 12 December 2023 16:30 (20 minutes)

Presenters: COLAS, Paul (CEA/Irfu); COLAS, Paul (Université Paris-Saclay (FR)); COLAS, Paul (CEA - Centre d'Etudes de Saclay (FR))

Session Classification: Giomatariis Fest

Contribution ID: 25

Type: **not specified**

The begining of Micromegas

Tuesday 12 December 2023 16:50 (20 minutes)

Presenter: JEANNEAU, Fabien (Université Paris-Saclay (FR))

Session Classification: Giomataris Fest

Contribution ID: 26

Type: **not specified**

The CAST adventure

Tuesday 12 December 2023 17:10 (20 minutes)

Presenters: PAPAEVANGELOU, Thomas; Dr PAPAEVANGELOU, Thomas (Irfu, CEA, Université Paris-Saclay)

Session Classification: Giomataris Fest

Contribution ID: 27

Type: **not specified**

The PICOSEC Micromegas Detector on ENUBET

Wednesday 13 December 2023 09:30 (20 minutes)

Presenter: KALLITSOPOULOU, Alexandra (CEA / IRFU / Université Paris-Saclay (FR))

Session Classification: Instrumentation

Contribution ID: **28**

Type: **not specified**

Status of R2D2 cylindrical TPC R&T

Wednesday 13 December 2023 09:50 (20 minutes)

Presenters: PIQUEMAL, Fabrice; PIQUEMAL, Fabrice (CNRS)

Session Classification: Instrumentation

Contribution ID: 29

Type: **not specified**

Diving into the neutrino fog with optical TPC

Wednesday 13 December 2023 10:10 (20 minutes)

Presenter: DHO , Giorgio

Session Classification: Instrumentation

Contribution ID: **30**

Type: **not specified**

Light readout in DarkSide-20k with cryogenic SiPMs

Wednesday 13 December 2023 11:30 (20 minutes)

Presenter: MATTEUCCI, Giuseppe (Università degli Studi di Napoli Federico II)

Session Classification: Instrumentation

Contribution ID: 31

Type: **not specified**

Optical readout Micromegas for neutron and beta imaging

Wednesday 13 December 2023 11:50 (20 minutes)

Presenter: COOLS, Antoine

Session Classification: Instrumentation

Contribution ID: 32

Type: **not specified**

Imaging with muon tomography for nuclear energy applications

Wednesday 13 December 2023 12:10 (20 minutes)

Presenter: GOMEZ MALUENDA, Hector (Université Paris-Saclay (FR))

Session Classification: Instrumentation

Contribution ID: **33**

Type: **not specified**

The TPC idea, 50 years ago

Wednesday 13 December 2023 14:00 (30 minutes)

Presenter: NYGREN, David

Session Classification: TPC 50 Years Anniversary

Contribution ID: 34

Type: **not specified**

TPC, the next 50 years

Wednesday 13 December 2023 14:30 (30 minutes)

Presenter: GONZALEZ DIAZ, Diego (Universidade de Santiago de Compostela (ES))

Session Classification: TPC 50 Years Anniversary

Contribution ID: 35

Type: **not specified**

Review on Axions

Tuesday 12 December 2023 09:30 (45 minutes)

Presenter: RINGWALD, Andreas

Session Classification: Axions

Contribution ID: **36**

Type: **not specified**

IAXO

Tuesday 12 December 2023 10:15 (20 minutes)

Author: RUZ ARMENDARIZ, Jaime (Lawrence Livermore Nat. Laboratory (US))

Presenters: MARGALEJO BLASCO, Cristina (Universidad de Zaragoza (ES)); RUZ ARMENDARIZ, Jaime (Lawrence Livermore Nat. Laboratory (US))

Session Classification: Axions

Contribution ID: 37

Type: **not specified**

PandaX III (High Pressure Xenon) and PandaX 4t (liquid Xenon)

Presenter: TAO, Li (Centre National de la Recherche Scientifique (FR))

Session Classification: Axions

Contribution ID: **38**

Type: **not specified**

Low radioactivity techniques for Large TPCs in rare event searches

Wednesday 13 December 2023 10:30 (20 minutes)

Presenters: CEBRIAN, Susana (Universidad de Zaragoza); CEBRIAN GUAJARDO, Susana (Universidad de Zaragoza (ES))

Session Classification: Instrumentation

Contribution ID: 39

Type: **not specified**

Review on Dark Matter

Monday 11 December 2023 16:15 (45 minutes)

Presenter: BAUDIS, Laura

Session Classification: Axions

Contribution ID: 40

Type: **not specified**

The Migdal effect for low-mass WIMP search

Monday 11 December 2023 17:00 (20 minutes)

Presenter: Dr MAJEWSKI, Pawel (STFC/Rutherford Appleton Laboratory)

Session Classification: Axions

Contribution ID: 41

Type: **not specified**

PandaX III (High Pressure Xenon) and PandaX 4t (liquid Xenon)

Monday 11 December 2023 17:20 (20 minutes)

Presenter: TAO, Li (Centre National de la Recherche Scientifique (FR))

Session Classification: Axions

Contribution ID: 42

Type: **not specified**

Radon daughter implementation on the surface of rare-event detectors

Wednesday 13 December 2023 11:10 (20 minutes)

Presenter: DASTGHEIBI FARD, Ali (CNRS/LPSC_LSM)

Session Classification: Instrumentation

Contribution ID: 43

Type: **not specified**

Consequences of James Webb first-year observations on our understanding of the early evolution of galaxies

Tuesday 12 December 2023 11:00 (45 minutes)

Presenter: DADDI, Emanuele (CEA/IRFU - Univeristy Paris-Saclay)

Session Classification: Cosmology

Contribution ID: 44

Type: **not specified**

NanoHertz Gravitational Waves Detection using Pulsars

Tuesday 12 December 2023 11:45 (45 minutes)

Presenter: FALXA, Mikel (APC)

Session Classification: Cosmology

Contribution ID: 45

Type: **not specified**

XENONnT Dark Matter Results

Monday 11 December 2023 17:40 (20 minutes)

Presenter: LOIZEAU, johan

Session Classification: Axions

Contribution ID: 46

Type: **not specified**

The ENUBET neutrino cross section experiment

Tuesday 12 December 2023 15:20 (20 minutes)

Presenter: BRUNETTI, Giulia (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Dark Matter II

Contribution ID: 47

Type: **not specified**

Latest KATRIN results

Presenter: FENGLER, Caroline (Karlsruhe Institute of Technology)

Session Classification: Axions

Contribution ID: 48

Type: **not specified**

The DUNE project

Wednesday 13 December 2023 15:00 (30 minutes)

Presenter: DAWSON, Jaime Victoria (Centre National de la Recherche Scientifique (FR))

Session Classification: TPC 50 Years Anniversary

Contribution ID: 49

Type: **not specified**

The Global Argon Dark Matter Collaboration : The DarkSide Program: Status and Prospects

Presenter: CARAVATI, Mauro

Session Classification: Cosmology

Contribution ID: 50

Type: **not specified**

The DarkSide Program: Status and Prospects

Monday 11 December 2023 18:00 (20 minutes)

Presenter: CARAVATI, Mauro

Session Classification: Axions

Contribution ID: 51

Type: **not specified**

Latest KATRIN results

Monday 11 December 2023 15:25 (20 minutes)

Presenter: FENGLER, Caroline (Karlsruhe Institute of Technology)

Session Classification: Neutrinos II