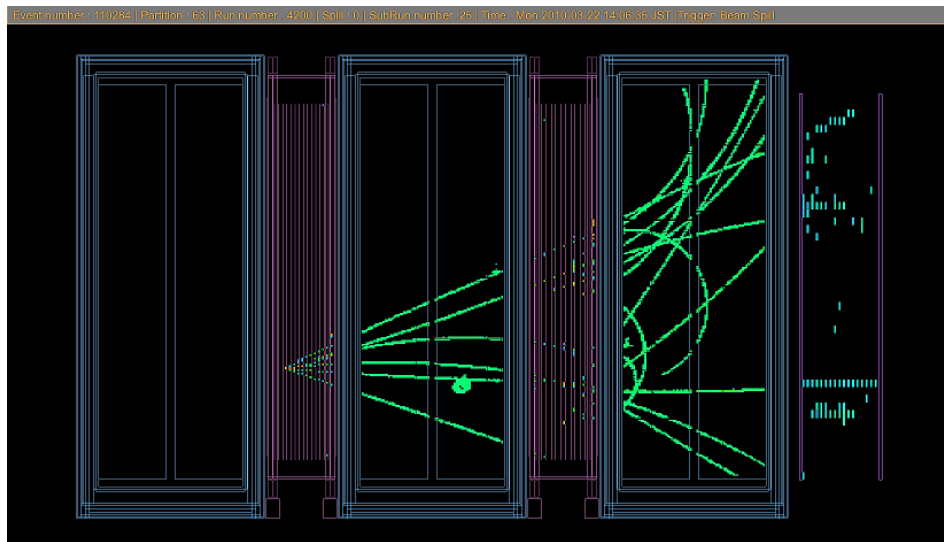


# Workshop on Neutrino Near Detectors based on gas TPCs



## Report of Contributions

Contribution ID: **12**

Type: **not specified**

# Welcome

*Tuesday 8 November 2016 09:00 (10 minutes)*

**Presenter:** ELSEN, Eckhard (CERN)

**Session Classification:** Session 1

Contribution ID: **13**

Type: **not specified**

## Goal of the workshop

*Tuesday 8 November 2016 09:10 (10 minutes)*

**Presenters:** BLONDEL, Alain (Universite de Geneve (CH)); ORGANISATION COMMITTEE

**Session Classification:** Session 1

Contribution ID: **14**

Type: **not specified**

## The Neutrino Platform

*Tuesday 8 November 2016 09:20 (15 minutes)*

**Presenter:** NESSI, Marzio (CERN)

**Session Classification:** Session 1

Contribution ID: 15

Type: **not specified**

## **T2K near detector performance and limits**

*Tuesday 8 November 2016 09:35 (20 minutes)*

**Presenter:** GIGANTI, Claudio (C)

**Session Classification:** Session 2

Contribution ID: **16**

Type: **not specified**

## The T2K ND TPC

*Tuesday 8 November 2016 09:55 (20 minutes)*

**Presenter:** RADICIONI, Emilio (Universita e INFN, Bari (IT))

**Session Classification:** Session 2

Contribution ID: 17

Type: **not specified**

## T2K - HyperK

*Tuesday 8 November 2016 10:45 (20 minutes)*

**Presenter:** HARTZ, Mark

**Session Classification:** Session 3

Contribution ID: **18**

Type: **not specified**

# Hyper-K

**Session Classification:** Session 3



Contribution ID: **19**

Type: **not specified**

## DUNE

*Tuesday 8 November 2016 11:05 (20 minutes)*

**Presenter:** KABOTH, Asher (RHUL/RAL)

**Session Classification:** Session 3

Contribution ID: 20

Type: **not specified**

## Neutrino cross-sections

*Tuesday 8 November 2016 11:25 (20 minutes)*

**Presenter:** BOLOGNESI, Sara (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Session 3

Contribution ID: **21**

Type: **not specified**

## Theoretical challenges

*Tuesday 8 November 2016 11:45 (20 minutes)*

**Presenter:** SOBCZIK, Jan

**Session Classification:** Session 3

Contribution ID: 22

Type: **not specified**

## The T2K Near Detector Upgrade

*Tuesday 8 November 2016 13:30 (20 minutes)*

**Presenter:** YOKOYAMA, Masashi (University of Tokyo)

**Session Classification:** Session 4

Contribution ID: 23

Type: **not specified**

## The new TPCs

*Tuesday 8 November 2016 13:50 (20 minutes)*

**Presenter:** ZITO, Marco (Dapnia/SPP CEA-Saclay)

**Session Classification:** Session 4

Contribution ID: 24

Type: **not specified**

## Active targets

*Tuesday 8 November 2016 14:10 (20 minutes)*

**Presenter:** QUILAIN, Benjamin

**Session Classification:** Session 4

Contribution ID: 25

Type: **not specified**

## Quantitative assessment of upgraded performances

*Tuesday 8 November 2016 14:30 (20 minutes)*

**Presenter:** SGALABERNA, Davide (Universite de Geneve (CH))

**Session Classification:** Session 4

Contribution ID: 26

Type: **not specified**

## **First look at TPC field cage and mechanical constraints**

*Tuesday 8 November 2016 15:20 (20 minutes)*

**Presenters:** SGALABERNA, Davide (Universite de Geneve (CH)); CADOUX, Frank Raphael (Universite de Geneve (CH))

**Session Classification:** Session 5



Contribution ID: 27

Type: **not specified**

## TPC Gas system

*Tuesday 8 November 2016 15:40 (20 minutes)*

**Presenter:** GUIDA, Roberto (CERN)

**Session Classification:** Session 5

Contribution ID: **28**

Type: **not specified**

## **MPGD for TPC/HPTPC**

*Tuesday 8 November 2016 16:00 (20 minutes)*

**Presenter:** Dr GIOMATARIS, Ioanis (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Session 5

Contribution ID: 29

Type: **not specified**

## Electronics based on the T2K TPC design

*Tuesday 8 November 2016 16:40 (15 minutes)*

**Presenter:** CALVET, Denis (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Session 5

Contribution ID: **30**

Type: **not specified**

## **Recent developments based on ILC TPC Electronics**

*Tuesday 8 November 2016 17:10 (15 minutes)*

**Presenter:** OSKARSSON, Anders (Lund University (SE))

**Session Classification:** Session 5

Contribution ID: **31**

Type: **not specified**

## **Electronics ideas from Poland**

*Tuesday 8 November 2016 16:55 (15 minutes)*

**Presenter:** ZIEMBICKI, Marcin (Warsaw University of Technology (PL))

**Session Classification:** Session 5

Contribution ID: 32

Type: **not specified**

## Calibration

*Tuesday 8 November 2016 16:20 (20 minutes)*

**Presenter:** STEINMANN, Jochen (RWTH Aachen)

**Session Classification:** Session 5

Contribution ID: 33

Type: **not specified**

## Scintillators for T0/TOF

*Tuesday 8 November 2016 17:40 (20 minutes)*

**Presenter:** KUDENKO, Yury (Russian Academy of Sciences (RU))

**Session Classification:** Session 5

Contribution ID: **34**

Type: **not specified**

## **HPTPC R&D in UK for CPV**

*Wednesday 9 November 2016 09:50 (20 minutes)*

**Presenter:** WASCKO, Morgan (Imperial College London)

**Session Classification:** Session 6



Contribution ID: 35

Type: **not specified**

## HPTPC Studies for DUNE

*Wednesday 9 November 2016 09:30 (20 minutes)*

**Presenter:** MARTIN-ALBO SIMON, Justo (Universidad de Valencia)

**Session Classification:** Session 6

Contribution ID: 36

Type: **not specified**

## HPTPC R&D in Spain for LB neutrinos

*Wednesday 9 November 2016 10:10 (20 minutes)*

**Presenter:** LUX, Thorsten (Universidad Autonoma de Barcelona)

**Session Classification:** Session 6

Contribution ID: 37

Type: **not specified**

## HPTPC R&D in Spain for DM

*Wednesday 9 November 2016 09:10 (20 minutes)*

**Presenter:** IGUAZ GUTIERREZ, Francisco Jose (Universidad de Zaragoza (ES))

**Session Classification:** Session 6

Contribution ID: **38**

Type: **not specified**

## **HPTPC R&D in Spain for neutrinoless double beta decay**

*Wednesday 9 November 2016 08:30 (20 minutes)*

**Presenter:** GOMEZ CADENAS, Juan Jose (Instituto de Fisica Corpuscular (ES))

**Session Classification:** Session 6

Contribution ID: 39

Type: **not specified**

## HPTPC R&D in France

*Wednesday 9 November 2016 10:30 (20 minutes)*

**Presenter:** DELBART, Alain (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Session 6

Contribution ID: 40

Type: **not specified**

## HPTPC R&D at CERN

**Session Classification:** Session 6

Contribution ID: 41

Type: **not specified**

## **HPTPC R&D in Japan for neutrinoless double beta decay**

*Wednesday 9 November 2016 08:50 (20 minutes)*

**Presenter:** NAKAYA, Tsuyoshi (Kyoto University)

**Session Classification:** Session 6

Contribution ID: 42

Type: **not specified**

## **discussion about coordination of R&D**

*Wednesday 9 November 2016 10:50 (25 minutes)*

**Session Classification:** Session 6



Contribution ID: 43

Type: **not specified**

## New developments in RD51 related to MPGDs

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 44

Type: **not specified**

## ILC

*Wednesday 9 November 2016 12:45 (20 minutes)*

**Presenter:** Dr MUELLER, Felix (DESY Hamburg)

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 45

Type: **not specified**

## RD51 Scalable Readout System

*Wednesday 9 November 2016 12:15 (15 minutes)*

**Presenter:** MULLER, Hans

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 46

Type: **not specified**

## RD51 test facilities

*Wednesday 9 November 2016 12:30 (15 minutes)*

**Presenter:** OLIVERI, Eraldo (CERN)

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 47

Type: **not specified**

## Introduction to the RD51 Collaboration

*Wednesday 9 November 2016 11:45 (15 minutes)*

**Presenter:** GERALIS, Theodoros (Nat. Cent. for Sci. Res. Demokritos (GR))

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 48

Type: **not specified**

## Example of a RD51 generic R&D - Optically Read Out GEM-Based TPC

*Wednesday 9 November 2016 12:00 (15 minutes)*

**Presenter:** BRUNBAUER, Florian Maximilian (CERN, Vienna University of Technology (AT))

**Session Classification:** Session 7: Recent developments from RD51, ILC-TPC, MPGD facilities, CERN beam and test facilities

Contribution ID: 49

Type: **not specified**

## Social dinner

*Tuesday 8 November 2016 19:00 (3 hours)*

Contribution ID: 50

Type: **not specified**

## **The Quad: a general purpose modular readout system for TPCs**

*Tuesday 8 November 2016 17:25 (15 minutes)*

**Presenter:** VAN DER GRAAF, Harry (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Session 5