

# **8th International Workshop on Neutrino Beams & Instrumentation**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome

*Wednesday, 7 November 2012 08:40 (10 minutes)*

**Presenter:** MYERS, Steve (CERN)

**Session Classification:** Welcome

Contribution ID: 1

Type: **not specified**

## Opening presentation

*Wednesday, 7 November 2012 08:50 (10 minutes)*

**Presenter:** ELSENER, Konrad (CERN)

**Session Classification:** Welcome

Contribution ID: 2

Type: **not specified**

## **T2K Operation summary (earthquake recovery+beamline survey)**

*Wednesday, 7 November 2012 09:00 (15 minutes)*

**Presenter:** ISHII, Takanobu (KEK)

**Session Classification:** Projects Status and Overview

Contribution ID: 3

Type: **not specified**

## **NuMI Operation summary 2005-2012**

*Wednesday, 7 November 2012 09:15 (15 minutes)*

**Presenter:** CHILDRESS, Samuel Robert (Unknown)

**Session Classification:** Projects Status and Overview

Contribution ID: 4

Type: **not specified**

## **MiniBOOnE Operation summary**

*Wednesday, 7 November 2012 09:30 (15 minutes)*

**Presenter:** Prof. ZIMMERMAN, Eric D. (University of Colorado)

**Session Classification:** Projects Status and Overview

Contribution ID: 5

Type: **not specified**

## **CNGS Operation summary**

*Wednesday, 7 November 2012 09:45 (15 minutes)*

**Presenter:** GSCHWENDTNER, Edda (CERN)

**Session Classification:** Projects Status and Overview

Contribution ID: 6

Type: **not specified**

## Discussion

*Wednesday, 7 November 2012 10:00 (20 minutes)*

**Session Classification:** Projects Status and Overview



Contribution ID: 8

Type: **not specified**

## **J-PARC upgrade plan/Future LBL experiment in Japan**

*Wednesday, 7 November 2012 11:30 (20 minutes)*

**Presenter:** Dr ISHIDA, Taku (IPNS, KEK)

**Session Classification:** Future projects

Contribution ID: 9

Type: **not specified**

## **Fermilab Neutrino Beams & Experiments: 2013-2020**

*Wednesday, 7 November 2012 10:50 (20 minutes)*

**Presenter:** MARCHIONNI, Alberto (Univ. + INFN)

**Session Classification:** Future projects

Contribution ID: **10**

Type: **not specified**

## **LBNE design overview and progress**

*Wednesday, 7 November 2012 11:10 (20 minutes)*

**Presenter:** PAPANIMITRIOU, Vaia

**Session Classification:** Future projects

Contribution ID: **11**

Type: **not specified**

## **Discussion**

*Wednesday, 7 November 2012 12:10 (20 minutes)*

**Session Classification:** Future projects

Contribution ID: 12

Type: **not specified**

## **LBNO project overview and prospects**

*Wednesday, 7 November 2012 14:00 (20 minutes)*

**Presenter:** EFTHYMIPOULOS, Ilias (CERN)

**Session Classification:** Future projects

Contribution ID: 13

Type: **not specified**

## **Target Station Challenges for High-Power Super-Beams**

*Wednesday, 7 November 2012 14:40 (20 minutes)*

**Presenter:** WILCOX, Dan (STFC - RAL)

**Session Classification:** Future projects

Contribution ID: 14

Type: **not specified**

## **A Short Baseline to the CERN North Area - design overview**

*Wednesday, 7 November 2012 14:20 (20 minutes)*

**Presenter:** CALVIANI, Marco (CERN)

**Session Classification:** Future projects

Contribution ID: 15

Type: **not specified**

## **NuSTORM, le-NUFACT: synergies with LBL 'technology'**

*Wednesday, 7 November 2012 11:50 (20 minutes)*

**Presenter:** Dr BROSS, Alan (Fermilab)

**Session Classification:** Future projects



Contribution ID: **16**

Type: **not specified**

## **Discussion**

*Wednesday, 7 November 2012 15:00 (15 minutes)*

**Session Classification:** Future projects

Contribution ID: 17

Type: **not specified**

## **Proton beam monitoring and control: NuMI to LBNE**

*Wednesday, 7 November 2012 15:45 (15 minutes)*

**Presenter:** CHILDRESS, Samuel Robert (Unknown)

**Session Classification:** Primary Beam Line Instrumentation

Contribution ID: **18**

Type: **not specified**

## **T2K proton beam monitoring**

*Wednesday, 7 November 2012 16:00 (15 minutes)*

**Presenter:** Dr KAKUNO, Hidekazu (University of Tokyo)

**Session Classification:** Primary Beam Line Instrumentation

Contribution ID: 19

Type: **not specified**

## **Experience with CNGS Primary Beam Line Instrumentation**

*Wednesday, 7 November 2012 16:15 (15 minutes)*

**Presenter:** Mr JENSEN, Lars (CERN)

**Session Classification:** Primary Beam Line Instrumentation

Contribution ID: **20**

Type: **not specified**

## **T2K OTR system**

*Wednesday, 7 November 2012 16:30 (15 minutes)*

**Presenter:** HARTZ, Mark

**Session Classification:** Primary Beam Line Instrumentation

Contribution ID: 21

Type: **not specified**

## Discussion

*Wednesday, 7 November 2012 16:45 (15 minutes)*

**Session Classification:** Primary Beam Line Instrumentation

Contribution ID: 22

Type: **not specified**

## **Secondary beam monitoring: NuMI to LBNE**

*Wednesday, 7 November 2012 17:15 (15 minutes)*

**Presenter:** LOIACONO, Laura (University of Rochester)

**Session Classification:** Secondary Beam Line Instrumentation

Contribution ID: 23

Type: **not specified**

## **T2K muon monitors**

*Wednesday, 7 November 2012 17:30 (15 minutes)*

**Presenter:** HIRAKI, Takahiro (Kyoto University)

**Session Classification:** Secondary Beam Line Instrumentation



Contribution ID: 24

Type: **not specified**

## **Diamond Detectors for CNGS**

*Wednesday, 7 November 2012 17:45 (15 minutes)*

**Presenter:** Mr JANSEN, Hendrik (Universitaet Bonn (DE))

**Session Classification:** Secondary Beam Line Instrumentation

Contribution ID: 25

Type: **not specified**

## **T2K decay volume/beam dump commissioning/operational experience**

*Wednesday, 7 November 2012 18:00 (15 minutes)*

**Presenter:** Dr ISHIDA, Taku (IPNS, KEK)

**Session Classification:** Secondary Beam Line Instrumentation

Contribution ID: 26

Type: **not specified**

## Discussion

*Wednesday, 7 November 2012 18:15 (15 minutes)*

**Session Classification:** Secondary Beam Line Instrumentation

Contribution ID: 27

Type: **not specified**

## **Recent experience with NuMI graphite targets and dumps**

*Thursday, 8 November 2012 09:05 (20 minutes)*

**Presenter:** HYLEN, James (Unknown)

**Session Classification:** Targets

Contribution ID: 28

Type: **not specified**

## **Performance and operational feedback of T2K graphite target**

*Thursday, 8 November 2012 09:25 (20 minutes)*

**Presenter:** Dr NAKADAIRA, Takeshi (HIGH ENERGY ACCELERATOR RESEARCH ORGANIZATION, KEK)

**Session Classification:** Targets

Contribution ID: 29

Type: **not specified**

## **CNGS target operation and modified design**

*Thursday, 8 November 2012 09:45 (20 minutes)*

**Presenter:** CALVIANI, Marco (CERN)

**Session Classification:** Targets

Contribution ID: **30**

Type: **not specified**

## **Fermilab High power target program: status and plan**

*Thursday, 8 November 2012 11:20 (20 minutes)*

**Presenter:** HURH, Patrick (FNAL)

**Session Classification:** Targets

Contribution ID: **31**

Type: **not specified**

## **Discussion**

*Thursday, 8 November 2012 10:05 (25 minutes)*

**Session Classification:** Targets



Contribution ID: **38**

Type: **not specified**

## **High intensity beam test of beryllium for target and beam window**

*Thursday, 8 November 2012 11:00 (20 minutes)*

**Presenter:** HARTSELL, Brian (Fermilab)

**Session Classification:** Targets

Contribution ID: 39

Type: **not specified**

## **Radiation damage studies on graphite and beryllium**

*Thursday, 8 November 2012 08:45 (20 minutes)*

**Presenter:** Dr SIMOS, Nick (Brookhaven National Laboratory)

**Session Classification:** Targets

Contribution ID: 40

Type: **not specified**

## **HiRadMat: a facility at CERN for material and assembly testing**

*Thursday, 8 November 2012 11:40 (15 minutes)*

**Presenter:** EFTHYMIPOULOS, Ilias (CERN)

**Session Classification:** Targets

Contribution ID: 41

Type: **not specified**

## **Granular target and tests at HiRadMat**

*Thursday, 8 November 2012 11:55 (15 minutes)*

**Presenter:** Mr CHARITONIDIS, Nikolaos (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Targets

Contribution ID: 42

Type: **not specified**

## Discussion

*Thursday, 8 November 2012 12:25 (5 minutes)*

**Session Classification:** Targets

Contribution ID: 43

Type: **not specified**

## **CERN horn experience**

*Thursday, 8 November 2012 13:30 (10 minutes)*

**Presenter:** PARDONS, Ans (CERN)

**Session Classification:** Horns

Contribution ID: 44

Type: **not specified**

## **T2K horn operational experience**

*Thursday, 8 November 2012 13:40 (20 minutes)*

**Presenter:** Dr SEKIGUCHI, Tetsuro (KEK)

**Session Classification:** Horns

Contribution ID: 45

Type: **not specified**

## **Horn design for NuMI, NOvA and LBNE**

*Thursday, 8 November 2012 14:00 (20 minutes)*

**Presenter:** HYLEN, James (Unknown)

**Session Classification:** Horns



Contribution ID: 46

Type: **not specified**

## **New T2K horn**

*Thursday, 8 November 2012 14:20 (15 minutes)*

**Presenter:** COLEMAN, Stephen (Univ. Colorado)

**Session Classification:** Horns

Contribution ID: 47

Type: **not specified**

## **T2K horn field measurements**

*Thursday, 8 November 2012 14:35 (15 minutes)*

**Presenter:** MISSERT, Andrew (Univ. Colorado)

**Session Classification:** Horns

Contribution ID: 48

Type: **not specified**

## Discussion

*Thursday, 8 November 2012 14:50 (15 minutes)*

**Session Classification:** Horns

Contribution ID: 49

Type: **not specified**

## **Granular target and tests at HiRadMat –CFD Simulations**

*Thursday, 8 November 2012 12:10 (15 minutes)*

**Presenter:** DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

**Session Classification:** Targets

Contribution ID: 50

Type: **not specified**

## **Fatigue studies for horns**

*Thursday, 8 November 2012 15:35 (25 minutes)*

**Presenter:** Mr BARTOSZEK, Larry (Bartoszek Engineering)

**Session Classification:** Horns

Contribution ID: 51

Type: **not specified**

## **Power supply design for high-frequency pulsing horns for the CERN to Frejus SuperBeam**

*Thursday, 8 November 2012 16:00 (15 minutes)*

**Presenter:** Mr POUSSOT, Pascal (CNRS-IPHC STRASBOURG- France)

**Session Classification:** Horns

Contribution ID: 52

Type: **not specified**

## **4-in-one horn design for the CERN to Frejus Super Beam**

*Thursday, 8 November 2012 16:15 (15 minutes)*

**Presenter:** VASSILOPOULOS, Nikolaos (Institut Pluridisciplinaire Hubert Curien (FR))

**Session Classification:** Horns

Contribution ID: 53

Type: **not specified**

## Discussion

*Thursday, 8 November 2012 16:50 (10 minutes)*

**Session Classification:** Horns



Contribution ID: 54

Type: **not specified**

## **CNGS operation and environmental issues**

*Friday, 9 November 2012 08:45 (20 minutes)*

**Presenter:** VINCKE, Heinz (CERN)

**Session Classification:** Radiation Protection issues

Contribution ID: 55

Type: **not specified**

## **NuMI experience with Tritium**

*Friday, 9 November 2012 09:05 (20 minutes)*

**Presenter:** HYLEN, James (Unknown)

**Session Classification:** Radiation Protection issues

Contribution ID: 56

Type: **not specified**

## **T2K radioactive drainage treatment**

*Friday, 9 November 2012 09:25 (20 minutes)*

**Presenter:** Dr OYAMA, Yuichi (KEK)

**Session Classification:** Radiation Protection issues

Contribution ID: 57

Type: **not specified**

## **T2K radioactivity in the exhaust air**

*Friday, 9 November 2012 09:45 (15 minutes)*

**Presenter:** Dr ISHIDA, Taku (IPNS, KEK)

**Session Classification:** Radiation Protection issues

Contribution ID: 58

Type: **not specified**

## Discussion

*Friday, 9 November 2012 10:00 (15 minutes)*

**Session Classification:** Radiation Protection issues

Contribution ID: 59

Type: **not specified**

## **Radiation protection challenges for deep underground vs shallow beams**

*Friday, 9 November 2012 10:35 (20 minutes)*

**Presenter:** CHILDRESS, Samuel Robert (Unknown)

**Session Classification:** Radiation Protection issues

Contribution ID: **60**

Type: **not specified**

## **Target chase, decay and absorber cooling for LBNE**

*Friday, 9 November 2012 10:55 (20 minutes)*

**Presenter:** MARCHIONNI, Alberto (Univ. + INFN)

**Session Classification:** Radiation Protection issues

Contribution ID: **61**

Type: **not specified**

## **ACTIWIZ material database**

*Friday, 9 November 2012 11:15 (20 minutes)*

**Presenters:** THEIS, Chris (CERN); Dr VINCKE, Helmut (CERN)

**Session Classification:** Radiation Protection issues



Contribution ID: **62**

Type: **not specified**

## Discussion

Contribution ID: **63**

Type: **not specified**

## **Remote handling experiences at NuMI**

*Saturday, 10 November 2012 09:30 (20 minutes)*

**Presenter:** HURH, Patrick (FNAL)

**Session Classification:** Remote handling

Contribution ID: **64**

Type: **not specified**

## **T2K remote handling**

*Saturday, 10 November 2012 09:50 (20 minutes)*

**Presenter:** Dr SEKIGUCHI, Tetsuro (KEK)

**Session Classification:** Remote handling

Contribution ID: 65

Type: **not specified**

## **Remote handling activities at CERN**

*Saturday, 10 November 2012 10:10 (20 minutes)*

**Presenter:** GRENARD, Jean-Louis (CERN)

**Session Classification:** Remote handling

Contribution ID: 66

Type: **not specified**

## **Lessons learned from WANF dismantling**

*Saturday, 10 November 2012 10:30 (20 minutes)*

**Presenter:** PARDONS, Ans (CERN)

**Session Classification:** Remote handling

Contribution ID: 67

Type: **not specified**

## Targets for SuperBeams

*Saturday, 10 November 2012 10:50 (20 minutes)*

**Presenter:** DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

**Session Classification:** Remote handling

Contribution ID: **68**

Type: **not specified**

## **Discussion**

*Saturday, 10 November 2012 11:10 (20 minutes)*

**Session Classification:** Remote handling

Contribution ID: **69**

Type: **not specified**

## Summary talk

*Saturday, 10 November 2012 11:50 (20 minutes)*

**Presenter:** EFTHYMIPOULOS, Ilias (CERN)

**Session Classification:** Summary



Contribution ID: 70

Type: **not specified**

## **Next NBI announcement**

*Saturday, 10 November 2012 12:10 (20 minutes)*

**Presenter:** MARCHIONNI, Alberto (Univ. + INFN)

**Session Classification:** Summary

Contribution ID: 71

Type: **not specified**

## **Feasibility study of the distribution of 4x1 MW beam power onto the 4-horn system of the EUROnu SPL Super Beam**

*Thursday, 8 November 2012 16:30 (20 minutes)*

**Presenter:** Dr BOUQUEREL, Elian (Institut Pluridisciplinaire Hubert Curien (FR))

**Session Classification:** Horns

Contribution ID: 72

Type: **not specified**

## **Practical Issues for NBI 2012**

*Wednesday, 7 November 2012 10:20 (10 minutes)*

**Presenter:** PARDONS, Ans (CERN)

**Session Classification:** Projects Status and Overview

Contribution ID: 73

Type: **not specified**

## Welcome from NBI 2012

*Wednesday, 7 November 2012 08:30 (10 minutes)*

**Presenters:** GSCHWENDTNER, Edda (CERN); EFTHYMIOPOULOS, Ilias (CERN)

**Session Classification:** Welcome