

# **NBI2006 - 6th International workshop on Neutrino Beams and Instrumentation**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Proton Beam

Including beam monitoring

Contribution ID: 2

Type: **not specified**

## Seminar on minos

**Presenter:** KORDOSKY, Mike

Contribution ID: 3

Type: **not specified**

## contribution 1

**Presenter:** Mr BOURILLOT, David (CERN)

Contribution ID: 4

Type: **not specified**

## Registration and Coffee

*Tuesday, 5 September 2006 08:00 (1h 20m)*

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: 5

Type: **not specified**

# Welcome

*Tuesday, 5 September 2006 09:20 (10 minutes)*

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: 6

Type: **not specified**

## MiniBooNE Overview

*Tuesday, 5 September 2006 09:30 (40 minutes)*

**Presenter:** ZIMMERMAN, Eric (Colorado Univ.)

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: 7

Type: **not specified**

## NuMI Overview

*Tuesday, 5 September 2006 10:10 (30 minutes)*

Presenter, S. Kopp

**Presenter:** KOPP, Sacha (Texas Univ.)

**Session Classification:** OVERVIEW OF PROJECTS



Contribution ID: 8

Type: **not specified**

## COFFEE BREAK

*Tuesday, 5 September 2006 10:40 (30 minutes)*

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: 9

Type: **not specified**

## CNGS Overview

*Tuesday, 5 September 2006 11:10 (20 minutes)*

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

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: **10**

Type: **not specified**

## T2K Overview

*Tuesday, 5 September 2006 11:40 (30 minutes)*

Presenter, T. Ishida

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

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: **11**

Type: **not specified**

## **Operation of CNGS proton beam and instrumentation**

*Tuesday, 5 September 2006 13:30 (20 minutes)*

**Presenter:** MEDDAHI, Malika (CERN)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: **12**

Type: **not specified**

## **T2K proton beam handling and failure analysis**

*Tuesday, 5 September 2006 14:30 (15 minutes)*

Presenter, T. Abe, Tokyo

**Presenter:** ABE, Toshinori (Tokyo Univ.)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: **13**

Type: **not specified**

## **CANCELLED - T2K SC magnets**

Contribution ID: 14

Type: **not specified**

## T2K beam profile monitor

*Tuesday, 5 September 2006 14:45 (15 minutes)*

Presenter, H. Kakuno, Tokyo

**Presenter:** KAKUNO, Hidekazu (Tokyo Univ.)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: 15

Type: **not specified**

## T2K beam position monitor

*Tuesday, 5 September 2006 15:00 (15 minutes)*

Presenter, N. Hastings, Tokyo

**Presenter:** HASTINGS, Nick (Tokyo Univ.)

**Session Classification:** PROTON BEAM & INSTRUMENTATION



Contribution ID: **16**

Type: **not specified**

## **T2K OTR monitor**

*Tuesday, 5 September 2006 15:15 (15 minutes)*

Presenter, D. Morris, TRIUMF

**Presenter:** MORRIS, David

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: 17

Type: **not specified**

## NuMI proton beam performance

*Tuesday, 5 September 2006 15:30 (30 minutes)*

**Presenter:** ZWASKA, Bob

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: **18**

Type: **not specified**

## COFFEE BREAK

*Tuesday, 5 September 2006 16:00 (30 minutes)*

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: **19**

Type: **not specified**

## NuMI Target Experience

*Wednesday, 6 September 2006 08:30 (30 minutes)*

Presenter, J. Hylen, Fermilab

**Presenter:** HYLEN, Jim (Fermilab)

**Session Classification:** TARGETS and upgrades

Contribution ID: 20

Type: **not specified**

## **Expectation vs. Experience with the CNGS target**

*Wednesday, 6 September 2006 09:00 (30 minutes)*

**Presenter:** BRUNO, Luca (CERN)

**Session Classification:** TARGETS and upgrades

Contribution ID: **21**

Type: **not specified**

## **R&D of the T2K target**

*Wednesday, 6 September 2006 09:30 (20 minutes)*

Presenter, T. Nakadaira, KEK

**Presenter:** NAKADAIRA, Takeshi (KEK)

**Session Classification:** TARGETS and upgrades

Contribution ID: 22

Type: **not specified**

## COFFEE BREAK

*Wednesday, 6 September 2006 10:00 (20 minutes)*

**Session Classification:** TARGETS and upgrades

Contribution ID: 23

Type: **not specified**

## **Shock studies and design optimisation of T2K beam window**

*Wednesday, 6 September 2006 09:50 (10 minutes)*

Presenter, M. Rooney, RAL

**Presenter:** ROONEY, Matt (Rutherford Lab)

**Session Classification:** TARGETS and upgrades



Contribution ID: 24

Type: **not specified**

## Design and helium cooling of T2K target

*Wednesday, 6 September 2006 10:30 (10 minutes)*

Presenter, M. Fitton, RAL

**Presenter:** FITTON, Mike (Rutherford Lab)

**Session Classification:** TARGETS and upgrades

Contribution ID: 25

Type: **not specified**

## **T2K target station volume and decay volume**

*Wednesday, 6 September 2006 10:40 (20 minutes)*

Presenter, NN., KEK

**Presenter:** YAMADA, Yoshikazu (KEK)

**Session Classification:** TARGETS and upgrades

Contribution ID: 26

Type: **not specified**

## NuMI system upgrades for 1MW

*Wednesday, 6 September 2006 11:30 (20 minutes)*

Presenter, M. Martens

**Presenter:** MARTENS, Mike (Fermilab)

**Session Classification:** TARGETS and upgrades

Contribution ID: 27

Type: **not specified**

## Accelerator Upgrades to provide 1 MW for NuMI

*Wednesday, 6 September 2006 11:10 (20 minutes)*

Presenter, B. Zwaska

**Presenter:** ZWASKA, Bob (Fermilab)

**Session Classification:** TARGETS and upgrades

Contribution ID: 28

Type: **not specified**

## Design and operation of the CNGS horns

*Wednesday, 6 September 2006 13:30 (30 minutes)*

**Presenter:** RANGOD, Stephane (CERN)

**Session Classification:** HORNS and beam dumps

Contribution ID: 29

Type: **not specified**

## **Laser Vibration measurements at CERN**

*Wednesday, 6 September 2006 14:00 (20 minutes)*

**Presenter:** WILFINGER, Roman (Unknown)

**Session Classification:** HORNS and beam dumps

Contribution ID: **30**

Type: **not specified**

## NuMI Horns Experience

*Wednesday, 6 September 2006 14:20 (30 minutes)*

Presenter, J. Hylen, Fermilab

**Presenter:** HYLEN, Jim

**Session Classification:** HORNS and beam dumps

Contribution ID: **31**

Type: **not specified**

## COFFEE BREAK

*Wednesday, 6 September 2006 14:50 (40 minutes)*

**Session Classification:** HORNS and beam dumps



Contribution ID: **32**

Type: **not specified**

## T2K horns

*Wednesday, 6 September 2006 15:30 (15 minutes)*

Presenter, A.K. Ichikawa, KEK

**Presenter:** ICHIKAWA, Atsuko (KEK)

**Session Classification:** HORNS and beam dumps

Contribution ID: 33

Type: **not specified**

## T2K horn test operation

*Wednesday, 6 September 2006 16:00 (15 minutes)*

T. Sekigutchi, KEK

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

**Session Classification:** HORNS and beam dumps

Contribution ID: 34

Type: **not specified**

## Status of T2K hadron absorber development

*Wednesday, 6 September 2006 16:15 (15 minutes)*

Presenter, T. Ishikda, KEK

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

**Session Classification:** HORNS and beam dumps

Contribution ID: 35

Type: **not specified**

## Technical aspects of the T2K horn design

*Wednesday, 6 September 2006 15:45 (15 minutes)*

Presenter, L. Bartoszek

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

**Session Classification:** HORNS and beam dumps

Contribution ID: **36**

Type: **not specified**

## **FEM analyses related to T2K hadron absorber design**

*Wednesday, 6 September 2006 16:30 (1h 30m)*

Presenter, C. Densham

**Presenter:** DENSHAM, Chris (Rutherford Lab)

**Session Classification:** HORNS and beam dumps

Contribution ID: 37

Type: **not specified**

## **CNGS secondary beam monitors: design and performance**

*Friday, 8 September 2006 09:00 (40 minutes)*

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

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: **38**

Type: **not specified**

## **NuMI Secondary Beam Monitor Performance**

*Friday, 8 September 2006 09:40 (40 minutes)*

Presenter, S. Kopp

**Presenter:** KOPP, Sacha (Texas Univ.)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: **39**

Type: **not specified**

## COFFEE BREAK

*Friday, 8 September 2006 10:20 (30 minutes)*

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING



Contribution ID: 40

Type: **not specified**

## T2K controls / DAQ

*Friday, 8 September 2006 10:50 (10 minutes)*

Presenter, K. Sakashita, KEK

**Presenter:** SAKASHITA, Ken (KEK)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: 41

Type: **not specified**

## T2K muon monitors

*Friday, 8 September 2006 11:00 (15 minutes)*

Presenter, K. Matsuoka

**Presenter:** MATSUOKA, Kodai (Kyoto Univ.)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: 42

Type: **not specified**

## MiniBooNE Little Muon Counter Detector results

*Friday, 8 September 2006 11:30 (15 minutes)*

**Presenter:** TZANOV, Martin (Colorado Univ.)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: 43

Type: **not specified**

## T2K near detectors

*Friday, 8 September 2006 11:15 (15 minutes)*

Presenter, M. Yokoyama, Kyoto

**Presenter:** YOKOYAMA, Masashi (Kyoto Univ.)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: 44

Type: **not specified**

## **MiniBooNE Antineutrino Running: flux and backgrounds**

*Friday, 8 September 2006 11:45 (35 minutes)*

**Presenter:** WASCKO, M.O. (Imperial College)

**Session Classification:** SECONDARY BEAM and NEUTRINO MONITORING

Contribution ID: 45

Type: **not specified**

## Rad-hard normal magnets and their quick handling

*Saturday, 9 September 2006 08:30 (30 minutes)*

Presenters, E. Hirose / K. Tanaka, KEK

**Presenters:** HIROSE, Erina (KEK); TANAKA, Kazuhiro (KEK)

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 46

Type: **not specified**

## NuMI Repairs for Hot Components

*Saturday, 9 September 2006 09:00 (30 minutes)*

Presenter, J. Hylen, Fermilab

**Presenter:** HYLEN, Jim (Fermilab)

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 47

Type: **not specified**

## NuMI Radiation and Environment Protection

*Saturday, 9 September 2006 09:30 (20 minutes)*

**Presenter:** MARTENS, Mike

**Session Classification:** HOT HANDLING and RADIATION PROTECTION



Contribution ID: 48

Type: **not specified**

## **Radiation protection aspects of the commissioning of the CNGS facility**

*Saturday, 9 September 2006 09:50 (30 minutes)*

Presenter, H. Vincke, CERN

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

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 49

Type: **not specified**

## COFFEE BREAK

*Saturday, 9 September 2006 10:20 (40 minutes)*

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 50

Type: **not specified**

## CNGS target handling

*Saturday, 9 September 2006 11:00 (30 minutes)*

**Presenter:** BRUNO, Luca (CERN)

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 51

Type: **not specified**

## CNGS horn handling

*Saturday, 9 September 2006 11:30 (30 minutes)*

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

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 52

Type: **not specified**

## **Radiation protection in J-PARC neutrino beam line**

*Saturday, 9 September 2006 12:00 (30 minutes)*

Presenter, Y. Oyama, KEK

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

**Session Classification:** HOT HANDLING and RADIATION PROTECTION

Contribution ID: 53

Type: **not specified**

## **MiniBooNE beam simulation (including hadron production)**

*Saturday, 9 September 2006 13:30 (20 minutes)*

**Presenter:** MAHN, Kendall (Columbia Univ.)

**Session Classification:** HADRON PRODUCTION and BEAM SIMULATIONS

Contribution ID: 54

Type: **not specified**

## NA49 hadron production results

Presenter, D. Varge, to be confirmed

Contribution ID: 55

Type: **not specified**

## FLUKA for CNGS

*Saturday, 9 September 2006 14:10 (30 minutes)*

Presenter, A. Ferrari, to be confirmed

**Presenter:** FERRARI, Alfredo (CERN)

**Session Classification:** HADRON PRODUCTION and BEAM SIMULATIONS



Contribution ID: 56

Type: **not specified**

## NuMI Beam Monte Carlo and Hadron Production Uncertainties

*Saturday, 9 September 2006 14:40 (20 minutes)*

Presenter, Z. Pavlovic

**Presenter:** PAVLOVIC, Zarko (Texas Univ.)

**Session Classification:** HADRON PRODUCTION and BEAM SIMULATIONS

Contribution ID: 57

Type: **not specified**

# Constraining kaon-decay neutrinos from the high energy tail

*Saturday, 9 September 2006 15:00 (15 minutes)*

**Presenter:** MAHN, Kendall (Columbia Univ.)

**Session Classification:** HADRON PRODUCTION and BEAM SIMULATIONS

Contribution ID: 58

Type: **not specified**

## E907 (Main Injector Particle Production)

Presenter, J. Paley

**Presenter:** PALEY, Jon (Indiana Univ.)

Contribution ID: 59

Type: **not specified**

## COFFEE BREAK

*Saturday, 9 September 2006 15:30 (1 hour)*

**Session Classification:** HADRON PRODUCTION and BEAM SIMULATIONS

Contribution ID: 60

Type: **not specified**

## **Operational Experience with the CNGS beam position monitoring system**

*Tuesday, 5 September 2006 14:05 (15 minutes)*

**Primary authors:** JONES, Rhodri (CERN); BOGEY, Thierry (CERN)

**Presenters:** JONES, Rhodri (CERN); BOGEY, Thierry (CERN)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: **61**

Type: **not specified**

## **Extraction studies with CNGS beam**

*Tuesday, 5 September 2006 13:50 (15 minutes)*

**Presenter:** KAIN, Verena (CERN)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: 62

Type: **not specified**

## **Experimental Assessment of Radiation Damage in Targets Considered in Neutrino Superbeam and Neutrino Factory Initiatives**

*Wednesday, 6 September 2006 11:50 (15 minutes)*

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

**Session Classification:** TARGETS and upgrades

Contribution ID: **63**

Type: **not specified**

## Departure from CERN, Main Building



Contribution ID: **64**

Type: **not specified**

## Departure from CERN Main Building

Contribution ID: 65

Type: **not specified**

## The T2K target installation and support system

*Wednesday, 6 September 2006 11:00 (10 minutes)*

**Presenter:** DENSHAM, Chris

**Session Classification:** TARGETS and upgrades

Contribution ID: **66**

Type: **not specified**

## **Experience with the BTV at CNGS - profiles and positions**

*Tuesday, 5 September 2006 14:20 (10 minutes)*

**Presenter:** BRAVIN, Enrico (AB/BDI)

**Session Classification:** PROTON BEAM & INSTRUMENTATION

Contribution ID: 67

Type: **not specified**

## OPERA start-up results

*Tuesday, 5 September 2006 11:30 (10 minutes)*

**Presenter:** AUTIERO, Dario (IN2P3 Lyon)

**Session Classification:** OVERVIEW OF PROJECTS

Contribution ID: **68**

Type: **not specified**

## **Photos and Movies by L. Bartoszek**

Contribution ID: **69**

Type: **not specified**

## Next NBI workshop

*Saturday, 9 September 2006 16:30 (20 minutes)*

**Presenter:** KOBAYASHI, Takashi (High Energy Accelerator Research Organization (KEK))

**Session Classification:** CLOSING - Next NBI workshop