

Science Capabilities Review

Report of Contributions

Contribution ID: 0

Type: **not specified**

Closed Executive Session

Saturday, 5 November 2011 08:30 (6 hours)

Lunch will be at a local restaurant.

Contribution ID: 1

Type: **not specified**

Closed Executive Session

Thursday, 3 November 2011 08:15 (45 minutes)

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Committee working lunch (closed)

Contribution ID: 5

Type: **not specified**

Closed Executive Session

Thursday, 3 November 2011 16:30 (2 hours)

Contribution ID: 8

Type: **not specified**

Closed Executive Session

Friday, 4 November 2011 08:15 (30 minutes)

Session Classification: Introduction

Contribution ID: **14**

Type: **not specified**

Closed Executive Session

Friday, 4 November 2011 15:40 (2 hours)

Contribution ID: 15

Type: **not specified**

Welcome and Opening Remarks

Thursday, 3 November 2011 09:00 (15 minutes)

Presenter: WARK, David

Session Classification: Introduction

Contribution ID: **16**

Type: **not specified**

Review Goals and Organization

Thursday, 3 November 2011 09:15 (15 minutes)

Presenter: SVOBODA, Robert

Session Classification: Introduction

Contribution ID: 17

Type: **not specified**

Overview of LBNE Experiment

Thursday, 3 November 2011 09:30 (50 minutes)

Presenter: Dr DIWAN, Milind (BNL)

Session Classification: Introduction

Contribution ID: **18**

Type: **not specified**

Liquid Argon Detector (LAD) Overview

Thursday, 3 November 2011 10:40 (45 minutes)

Presenters: BALLER, Bruce (Fermilab); URHEIM, Jon (Indiana University)

Session Classification: Introduction

Contribution ID: **19**

Type: **not specified**

Signal Efficiencies, Backgrounds, Resolutions : Analysis Tools

Thursday, 3 November 2011 11:25 (30 minutes)

Presenter: Dr REBEL, Brian (Fermilab)

Session Classification: LAD Physics Associated with a Neutrino Beam

Contribution ID: 20

Type: **not specified**

Signal Efficiencies, Backgrounds, Resolutions : Performance Inputs from Operating Detectors

Thursday, 3 November 2011 11:55 (35 minutes)

Presenter: CAVANNA, Flavio

Session Classification: LAD Physics Associated with a Neutrino Beam

Contribution ID: 21

Type: **not specified**

Sensitivity Analysis for MH and CPV : Sensitivity Studies

Thursday, 3 November 2011 13:30 (25 minutes)

Presenter: Dr ZELLER, Sam (FNAL)

Session Classification: LAD Physics Associated with a Neutrino Beam

Contribution ID: 22

Type: **not specified**

Sensitivity Analysis for MH and CPV : Validating & Updating Sensitivity Input Assumptions

Thursday, 3 November 2011 13:55 (20 minutes)

Presenter: RAAF, Jennifer (Fermilab)

Session Classification: LAD Physics Associated with a Neutrino Beam

Contribution ID: 23

Type: **not specified**

Proton Decay Detector Performance

Thursday, 3 November 2011 14:15 (25 minutes)

Presenter: URHEIM, Jon (Indiana University)

Session Classification: LAD Proton Decay and Astrophysics

Contribution ID: 24

Type: **not specified**

Proton Decay Backgrounds

Thursday, 3 November 2011 14:40 (25 minutes)

Presenter: CHURCH, Eric

Session Classification: LAD Proton Decay and Astrophysics

Contribution ID: 25

Type: **not specified**

Supernova Detector Performance

Thursday, 3 November 2011 15:05 (25 minutes)

Presenters: SCHOLBERG, Kate (Duke University); MUFSON, Stuart

Session Classification: LAD Proton Decay and Astrophysics

Contribution ID: 26

Type: **not specified**

Other Physics Measurements and Summary

Thursday, 3 November 2011 15:50 (40 minutes)

Presenter: FLEMING, Bonnie

Session Classification: LAD Proton Decay and Astrophysics

Contribution ID: 27

Type: **not specified**

Water Cherenkov Detector (WCD) Overview

Friday, 4 November 2011 08:45 (30 minutes)

Presenter: KLEIN, Joshua

Session Classification: Introduction

Contribution ID: 28

Type: **not specified**

Signal Efficiencies, Backgrounds, Resolutions : Validation of the WC Detector Simulation

Friday, 4 November 2011 09:15 (30 minutes)

Presenters: WALTER, Chris; KEARNS, Ed; SCHOLBERG, Kate

Session Classification: WCD Physics Associated with a Neutrino Beam

Contribution ID: 29

Type: **not specified**

Signal Efficiencies, Backgrounds, Resolutions : Extraction of Signal Backgrounds and Efficiencies From SK

Friday, 4 November 2011 09:45 (30 minutes)

Presenter: KEARNS, Ed

Session Classification: WCD Physics Associated with a Neutrino Beam

Contribution ID: **30**

Type: **not specified**

Signal Efficiencies, Backgrounds, Resolutions : Scanning Results

Friday, 4 November 2011 10:15 (20 minutes)

Presenter: MISHRA, Sanjib

Session Classification: WCD Physics Associated with a Neutrino Beam

Contribution ID: **31**

Type: **not specified**

Sensitivity for MH and CPV

Friday, 4 November 2011 11:10 (30 minutes)

Presenter: BISHAI, Mary (Brookhaven National Laboratory)

Session Classification: WCD Physics Associated with a Neutrino Beam

Contribution ID: 32

Type: **not specified**

Proton Decay Detector Performance

Friday, 4 November 2011 11:40 (30 minutes)

Presenter: KEARNS, Ed

Session Classification: WCD Proton Decay and Astrophysics

Contribution ID: 33

Type: **not specified**

Supernova Detector Performance

Friday, 4 November 2011 13:10 (30 minutes)

Presenter: SCHOLBERG, Kate

Session Classification: WCD Proton Decay and Astrophysics

Contribution ID: 34

Type: **not specified**

Other Physics Measurements

Friday, 4 November 2011 13:40 (25 minutes)

Presenter: KLEIN, Joshua

Session Classification: WCD Proton Decay and Astrophysics

Contribution ID: 35

Type: **not specified**

Possible Upgrades

Friday, 4 November 2011 14:05 (30 minutes)

Presenter: KADEL, Richard

Session Classification: WCD Proton Decay and Astrophysics

Contribution ID: 36

Type: **not specified**

Physics Working Group Summary and Plans

Friday, 4 November 2011 15:00 (40 minutes)

Presenter: WILSON, Robert

Session Classification: WCD Proton Decay and Astrophysics

Contribution ID: 37

Type: **not specified**

Near Detector

Friday, 4 November 2011 10:55 (15 minutes)

Presenter: Prof. MISHRA, Sanjib (University of South Carolina)

Session Classification: WCD Physics Associated with a Neutrino Beam

Contribution ID: **38**

Type: **not specified**

Near Detector Complex

Friday, 4 November 2011 12:40 (30 minutes)

Presenter: MAUGER, Christopher

Session Classification: WCD Proton Decay and Astrophysics