

The Project X Physics Study

Report of Contributions

Contribution ID: 0

Type: **not specified**

Physics at the Intensity Frontier

Thursday, 14 June 2012 09:30 (1 hour)

Primary author: GROSSMAN, Yuval (Cornell University)

Presenter: GROSSMAN, Yuval (Cornell University)

Session Classification: Plenary Session

Contribution ID: 1

Type: **not specified**

Welcome

Thursday, 14 June 2012 09:00 (10 minutes)

Presenter: KIM, Young-Kee (FNAL)

Session Classification: Plenary Session

Contribution ID: 2

Type: **not specified**

Charge

Thursday, 14 June 2012 09:10 (20 minutes)

Presenter: Dr TSCHIRHART, Robert (Fermilab)

Session Classification: Plenary Session

Contribution ID: 4

Type: **not specified**

Plasmonic lasers

Wednesday, 20 June 2012 16:00 (1 hour)

Presenter: Prof. ZHANG, Xiang (UC Berkely)

Session Classification: Fermilab Colloquium

Contribution ID: 5

Type: **not specified**

Project X Physics Study: Summary and Outlook

Friday, 22 June 2012 16:00 (1 hour)

Presenter: Dr TSCHIRHART, Robert (Fermilab)

Session Classification: Summary Session

Contribution ID: 6

Type: **not specified**

Project X: Accelerator Goals and Challenges

Friday, 15 June 2012 16:00 (1 hour)

Presenter: HOLMES, Stephen (Fermilab)

Session Classification: Plenary Session

Contribution ID: 7

Type: **not specified**

Muon physics

Thursday, 14 June 2012 16:00 (30 minutes)

Primary author: BABU, Ks (Oklahoma State)

Co-authors: KRIBS, Graham (Fermilab/U Oregon); Dr BERNSTEIN, Robert (Fermilab)

Presenter: BABU, Ks (Oklahoma State)

Session Classification: Plenary Session

Track Classification: Muon experiments

Contribution ID: 8

Type: **not specified**

Muon experiments

Thursday, 14 June 2012 16:30 (30 minutes)

Primary author: Dr BERNSTEIN, Robert (Fermilab)

Co-author: KRIBS, Graham (Fermilab/U Oregon)

Presenter: Dr BERNSTEIN, Robert (Fermilab)

Session Classification: Plenary Session

Track Classification: Muon experiments

Contribution ID: 9

Type: **not specified**

Neutron-antineutron Oscillation Theory

Thursday, 14 June 2012 12:00 (30 minutes)

Primary author: Prof. MOHAPATRA, Rabindra (University of Maryland)

Co-authors: Prof. YOUNG, Albert (North Carolina State University/Triangle Universities Nuclear Laboratory); Prof. QUIGG, Chris (Fermilab)

Presenter: Prof. MOHAPATRA, Rabindra (University of Maryland)

Session Classification: Plenary Session

Track Classification: Neutron-antineutron oscillations

Contribution ID: **10**

Type: **not specified**

Hadron spectroscopy with Project X

Wednesday, 20 June 2012 09:45 (45 minutes)

Presenter: GODFREY, Stephen

Session Classification: Summary Session

Track Classification: Hadronic physics

Contribution ID: 11

Type: **not specified**

Lattice QCD Summary

Wednesday, 20 June 2012 09:00 (45 minutes)

Primary author: Dr KRONFELD, Andreas (Fermilab)

Co-authors: Dr VAN DE WATER, Ruth (Brookhaven National Laboratory); BLUM, Thomas

Presenter: Dr KRONFELD, Andreas (Fermilab)

Session Classification: Summary Session

Track Classification: Lattice QCD

Contribution ID: 12

Type: **not specified**

Lattice QCD

Thursday, 14 June 2012 11:00 (1 hour)

Primary author: Dr VAN DE WATER, Ruth (Brookhaven National Laboratory)

Co-author: Prof. BLUM, Thomas

Presenter: Dr VAN DE WATER, Ruth (Brookhaven National Laboratory)

Session Classification: Plenary Session

Track Classification: Lattice QCD

Contribution ID: 13

Type: **not specified**

Short-Baseline Neutrino Experiments

Friday, 15 June 2012 08:20 (30 minutes)

Primary author: SHAEVITZ, Mike (Columbia University)

Presenter: SHAEVITZ, Mike (Columbia University)

Session Classification: Plenary Session

Track Classification: Neutrino experiments

Contribution ID: 14

Type: **not specified**

Long-Baseline Neutrino Experiments

Friday, 15 June 2012 08:50 (30 minutes)

Primary author: BISHAI, Mary (Brookhaven National Laboratory)

Presenter: BISHAI, Mary (Brookhaven National Laboratory)

Session Classification: Plenary Session

Track Classification: Neutrino experiments

Contribution ID: 15

Type: **not specified**

Neutrino Detectors

Friday, 15 June 2012 09:20 (40 minutes)

Primary author: RAY, Heather

Presenter: RAY, Heather

Session Classification: Plenary Session

Track Classification: Neutrino detectors

Contribution ID: 16

Type: **not specified**

Neutron-antineutron oscillation experiments

Thursday, 14 June 2012 14:00 (30 minutes)

Primary author: SNOW, William Michael (Indiana U.)

Co-authors: YOUNG, Albert (NC State); Prof. QUIGG, Chris (Fermilab)

Presenter: SNOW, William Michael (Indiana U.)

Session Classification: Plenary Session

Track Classification: Neutron-antineutron oscillations

Contribution ID: 17

Type: **not specified**

Challenges and R&D issues for n-nbar detection

Thursday, 14 June 2012 14:30 (30 minutes)

Primary author: GREENE, Geoffrey

Co-authors: SANCHEZ, Mayly (Iowa State University); Prof. KAMYSHKOV, Yuri (University of Tennessee)

Presenter: GREENE, Geoffrey

Session Classification: Plenary Session

Track Classification: Large-area, cost-effective detectors

Contribution ID: **18**

Type: **not specified**

$K \rightarrow \pi \nu \bar{\nu}$ SM theory

Presenter: HAISCH, Ulrich (Oxford University)

Track Classification: Kaon experiments

Contribution ID: 19

Type: **not specified**

SM Expectations for Rare Kaon Decays

Presenter: BROD, Joachim (University of Cincinnati)

Contribution ID: 20

Type: **not specified**

$K^{\pm} \rightarrow \pi^{\pm} \nu \bar{\nu}$ at NA62

Presenter: CENCI, Patrizia (INFN Perugia)

Contribution ID: 21

Type: **not specified**

$K^+ \rightarrow \pi^+ \nu \bar{\nu}$ at ORKA

Presenter: JAFFE, David (Brookhaven)

Contribution ID: 22

Type: **not specified**

K \rightarrow pi nu nubar SM theory

Monday, 18 June 2012 11:00 (45 minutes)

Primary author: HAISCH, Ulrich (Oxford University)

Presenter: HAISCH, Ulrich (Oxford University)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 23

Type: **not specified**

SM predictions for rare K decays

Monday, 18 June 2012 11:45 (45 minutes)

Primary author: BROD, Joachim (University of Cincinnati)

Presenter: BROD, Joachim (University of Cincinnati)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 24

Type: **not specified**

K+ -> pi+ nu nubar at NA62

Monday, 18 June 2012 16:00 (45 minutes)

Primary author: CENCI, Patrizia (INFN Perugia)

Presenter: CENCI, Patrizia (INFN Perugia)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 25

Type: **not specified**

$K^+ \rightarrow \pi^+ \nu \bar{\nu}$ at ORKA

Monday, 18 June 2012 16:45 (45 minutes)

Primary author: JAFFE, David (Brookhaven)

Presenter: JAFFE, David (Brookhaven)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 26

Type: **not specified**

K decays beyond the SM: SUSY

Tuesday, 19 June 2012 09:00 (45 minutes)

Primary author: ALTMANNSHOFER, Wolfgang (Fermilab)

Presenter: ALTMANNSHOFER, Wolfgang (Fermilab)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 27

Type: **not specified**

K decays beyond the SM: extra dimensions

Tuesday, 19 June 2012 14:45 (45 minutes)

Primary author: GORI, Stefania (University of Chicago)

Presenter: GORI, Stefania (University of Chicago)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 28

Type: **not specified**

$K_0 \rightarrow \pi^0 \nu \bar{\nu}$ KOTO

Tuesday, 19 June 2012 11:00 (45 minutes)

Primary author: WAH, Yau (University of Chicago)

Presenter: WAH, Yau (University of Chicago)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 29

Type: **not specified**

K0 -> pi0 nu nubar at Project X

Tuesday, 19 June 2012 11:45 (45 minutes)

Primary author: Dr LITTENBERG, Laurence (Brookhaven)

Presenter: Dr LITTENBERG, Laurence (Brookhaven)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 30

Type: **not specified**

Radiative K decays and $K \rightarrow \pi \ell$

Tuesday, 19 June 2012 14:00 (45 minutes)

Primary author: MERTENS, Philippe (University Catholique de Louvain)

Presenter: MERTENS, Philippe (University Catholique de Louvain)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: 31

Type: **not specified**

Electric Dipole Moments

Friday, 15 June 2012 14:10 (40 minutes)

Primary author: FILIPPONE, Brad (CalTech)

Co-authors: Prof. GARDNER, Susan (U Kentucky); CHUPP, Tim (U Michigan); Dr LU, Zheng-Tian (ANL)

Presenter: FILIPPONE, Brad (CalTech)

Session Classification: Plenary Session

Track Classification: Electric dipole moments

Contribution ID: 32

Type: **not specified**

Large-area cost-effective n-nbar detectors

Friday, 22 June 2012 11:00 (25 minutes)

Primary authors: SANCHEZ, Mayly (Iowa State University); Prof. KAMYSHKOV, Yuri (University of Tennessee)

Presenters: SANCHEZ, Mayly (Iowa State University); Prof. KAMYSHKOV, Yuri (University of Tennessee)

Session Classification: Summary Session

Track Classification: Large-area, cost-effective detectors

Contribution ID: 33

Type: **not specified**

Hadronic physics experiments

Friday, 15 June 2012 13:30 (40 minutes)

Presenter: REIMER, Paul (ANL)

Session Classification: Plenary Session

Track Classification: Hadronic physics

Contribution ID: 34

Type: **not specified**

Neutrino Theory

Friday, 15 June 2012 14:50 (40 minutes)

Co-author: Prof. HUBER, Patrick (Virginia Tech)

Presenter: Prof. LINDNER, Manfred (MPI Heidelberg)

Session Classification: Plenary Session

Track Classification: Neutrino experiments

Contribution ID: 35

Type: **not specified**

New prospects and challenges for large proton decay detectors

Friday, 15 June 2012 11:10 (20 minutes)

Primary author: Prof. KEARNS, Ed (Boston University)

Co-authors: SANCHEZ, Mayly (Iowa State University); Prof. KAMYSHKOV, Yuri (University of Tennessee)

Presenter: Prof. KEARNS, Ed (Boston University)

Session Classification: Plenary Session

Track Classification: Large-area, cost-effective detectors

Contribution ID: **36**

Type: **not specified**

Kaon physics

Friday, 15 June 2012 11:30 (40 minutes)

Presenter: Prof. BRYMAN, Douglas (University of British Columbia)

Session Classification: Plenary Session

Contribution ID: 37

Type: **not specified**

Tracking

Thursday, 14 June 2012 17:30 (30 minutes)

Primary author: Prof. RITCHIE, Jack (University of Texas at Austin)

Co-author: Dr LIPTON, Ronald (Fermilab)

Presenter: Prof. RITCHIE, Jack (University of Texas at Austin)

Session Classification: Plenary Session

Track Classification: Tracking

Contribution ID: **38**

Type: **not specified**

Hadron spectroscopy

Presenter: Prof. GODFREY, Stephen (Carleton U.)

Track Classification: Hadronic physics

Contribution ID: 39

Type: **not specified**

Calorimetry

Thursday, 14 June 2012 17:00 (30 minutes)

Primary author: Prof. HITLIN, David (Caltech)

Co-author: Dr DIWAN, Milind (BNL)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: Plenary Session

Track Classification: EM calorimetry

Contribution ID: **40**

Type: **not specified**

Time of flight

Thursday, 14 June 2012 15:00 (30 minutes)

Primary author: WAGNER, Bob (Argonne National Laboratory)

Co-author: Dr ALBROW, Michael (Fermi National Accelerator Laboratory)

Presenter: WAGNER, Bob (Argonne National Laboratory)

Session Classification: Plenary Session

Track Classification: Time of flight

Contribution ID: 41

Type: **not specified**

Kaon physics summary

Thursday, 21 June 2012 11:10 (35 minutes)

Presenter: CIRIGLIANO, Vincenzo (LANL)

Session Classification: Summary Session

Contribution ID: 42

Type: **not specified**

Kaon experiments summary

Thursday, 21 June 2012 11:45 (35 minutes)

Presenter: Prof. PITTS, Kevin (University of Illinois)

Session Classification: Summary Session

Contribution ID: 43

Type: **not specified**

EDM LHC EDM

Saturday, 16 June 2012 10:00 (30 minutes)

Presenter: BLUM, Kfir (Institute for Advanced Study)

Session Classification: EDM

Track Classification: Electric dipole moments

Contribution ID: 44

Type: **not specified**

A Sensitive Storage Ring Proton EDM experiment at FNAL

Saturday, 16 June 2012 09:00 (30 minutes)

Presenter: Dr SEMERTZIDIS, Yannis K (Brookhaven National Laboratory)

Session Classification: EDM

Track Classification: Electric dipole moments

Contribution ID: 45

Type: **not specified**

A concept for intense yields of Rn, Fr, and Ra isotopes at Project X

Saturday, 16 June 2012 14:00 (25 minutes)

Presenter: Dr NOLEN, Jerry (Physics Division, Argonne National Laboratory)

Session Classification: EDM

Track Classification: Electric dipole moments

Contribution ID: 46

Type: **not specified**

Search for the EDM of Ra-225

Saturday, 16 June 2012 14:30 (25 minutes)

Presenter: Dr DIETRICH, Matthew (Physics Division, Argonne National Laboratory)

Session Classification: EDM

Track Classification: Electric dipole moments

Contribution ID: 47

Type: **not specified**

Discussion: Fundamental Symmetries and EDM Prospects at Project X

Saturday, 16 June 2012 15:00 (25 minutes)

Presenter: Prof. CHUPP, Tim (University of Michigan)

Session Classification: EDM

Contribution ID: 48

Type: **not specified**

Theory of EDMs

Saturday, 16 June 2012 09:30 (30 minutes)

Presenter: GARDNER, Susan (University of Kentucky)

Session Classification: EDM

Track Classification: Electric dipole moments

Contribution ID: 49

Type: **not specified**

Neutron EDM from Lattice QCD

Saturday, 16 June 2012 11:30 (20 minutes)

Primary author: SHINTANI, Eigo (RIKEN-BNL)

Presenter: SHINTANI, Eigo (RIKEN-BNL)

Session Classification: Lattice QCD

Track Classification: Lattice QCD

Contribution ID: 50

Type: **not specified**

Tracking Requirements in rare K decay experiments

Saturday, 16 June 2012 11:00 (30 minutes)

Presenter: Prof. RITCHIE, Jack (University of Texas at Austin)

Session Classification: Tracking

Track Classification: Tracking

Contribution ID: 51

Type: **not specified**

Neutron Electric Dipole Moment in the Standard Model and beyond from Lattice QCD

Saturday, 16 June 2012 12:00 (20 minutes)

Primary author: BHATTACHARYA, Tanmoy (Los Alamos National Laboratory)

Presenter: BHATTACHARYA, Tanmoy (Los Alamos National Laboratory)

Session Classification: Lattice QCD

Track Classification: Lattice QCD

Contribution ID: 52

Type: **not specified**

Proton Decay Matrix Elements from Lattice QCD

Saturday, 16 June 2012 16:00 (20 minutes)

Primary author: IZUBUCHI, Taku (Brookhaven National Laboratory)

Presenter: IZUBUCHI, Taku (Brookhaven National Laboratory)

Session Classification: Lattice QCD

Contribution ID: 53

Type: **not specified**

Probing TeV Physics through Lattice Neutron-Decay Matrix Elements

Saturday, 16 June 2012 16:30 (20 minutes)

Primary author: COHEN, Saul (University of Washington)

Presenter: COHEN, Saul (University of Washington)

Session Classification: Lattice QCD

Contribution ID: 54

Type: **not specified**

Computing K \rightarrow pi pi decay and the KL-KS mass difference from lattice QCD

Monday, 18 June 2012 14:45 (30 minutes)

Primary author: CHRIST, Norman (Columbia University)

Presenter: CHRIST, Norman (Columbia University)

Session Classification: Lattice QCD

Contribution ID: 55

Type: **not specified**

Status of pion and kaon physics from Lattice QCD

Monday, 18 June 2012 14:00 (35 minutes)

Primary author: LAIHO, Jack (University of Glasgow)

Presenter: LAIHO, Jack (University of Glasgow)

Session Classification: Lattice QCD

Contribution ID: 56

Type: **not specified**

Hadronic vacuum polarization contribution to muon $g-2$ using staggered fermions

Monday, 18 June 2012 09:00 (20 minutes)

Primary author: AUBIN, Christopher (Fordham University)

Presenter: AUBIN, Christopher (Fordham University)

Session Classification: Lattice QCD

Contribution ID: 57

Type: **not specified**

Hadronic vacuum polarization to muon $g-2$ using twisted-mass fermions

Monday, 18 June 2012 09:30 (20 minutes)

Primary author: RENNER, Dru (Jefferson Lab)

Presenter: RENNER, Dru (Jefferson Lab)

Session Classification: Lattice QCD

Contribution ID: 58

Type: **not specified**

Hadronic light-by-light contribution to muon $g-2$ from Lattice QCD

Monday, 18 June 2012 10:00 (20 minutes)

Primary author: BLUM, Thomas

Presenter: BLUM, Thomas

Session Classification: Lattice QCD

Contribution ID: 59

Type: **not specified**

The anomaly triangle and g-2

Tuesday, 19 June 2012 09:00 (20 minutes)

Primary author: PERIS, Santi (Universitat Autònoma de Barcelona)

Presenter: PERIS, Santi (Universitat Autònoma de Barcelona)

Session Classification: Lattice QCD

Contribution ID: **60**

Type: **not specified**

Neutral pion to two-photon decays from Lattice QCD

Tuesday, 19 June 2012 09:30 (20 minutes)

Primary author: COHEN, Saul (University of Washington)

Presenter: COHEN, Saul (University of Washington)

Session Classification: Lattice QCD

Contribution ID: 61

Type: **not specified**

New methods for lattice-QCD calculations of the hadronic light-by-light contribution to $g-2$

Tuesday, 19 June 2012 10:00 (20 minutes)

Primary author: IZUBUCHI, Taku (Brookhaven National Laboratory)

Presenter: IZUBUCHI, Taku (Brookhaven National Laboratory)

Session Classification: Lattice QCD

Contribution ID: 62

Type: **not specified**

EDM of the nucleon and light nuclei in Chiral Effective Theory

Saturday, 16 June 2012 11:00 (20 minutes)

Primary author: MEREGETTI, Emanuele (Lawrence Berkeley National Laboratory)

Presenter: MEREGETTI, Emanuele (Lawrence Berkeley National Laboratory)

Session Classification: Lattice QCD

Track Classification: Lattice QCD

Contribution ID: 63

Type: **not specified**

Future computing resources for lattice gauge theory

Tuesday, 19 June 2012 14:00 (20 minutes)

Primary author: HOLMGREN, Don (Fermi National Accelerator Laboratory)

Presenter: HOLMGREN, Don (Fermi National Accelerator Laboratory)

Session Classification: Lattice QCD

Contribution ID: 64

Type: **not specified**

High-precision measurements of g_A and g_V in neutron decay

Saturday, 16 June 2012 17:00 (20 minutes)

Primary author: PLASTER, Brad (University of Kentucky)

Presenter: PLASTER, Brad (University of Kentucky)

Session Classification: Lattice QCD

Contribution ID: 65

Type: **not specified**

PMT response studies

Saturday, 16 June 2012 11:00 (15 minutes)

Presenter: GRULLON, Sean (Penn)

Session Classification: Large-area, cost-effective detectors

Contribution ID: **66**

Type: **not specified**

Light Collectors for Water Cherenkov

Saturday, 16 June 2012 11:15 (15 minutes)

Presenter: Dr PERASSO, Stefano (Drexel University)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 67

Type: **not specified**

PMT pressure tests

Saturday, 16 June 2012 11:30 (15 minutes)

Presenter: LING, Jiaye (BNL)

Session Classification: Large-area, cost-effective detectors

Contribution ID: **68**

Type: **not specified**

LAPPD R&D status

Saturday, 16 June 2012 11:45 (15 minutes)

Presenter: ELAGIN, Andrey

Session Classification: Large-area, cost-effective detectors

Contribution ID: 69

Type: **not specified**

Photocathodes R&D for LAPPD

Wednesday, 20 June 2012 11:50 (20 minutes)

Primary author: XIE, Junqui (Argonne National Laboratory)

Presenter: XIE, Junqui (Argonne National Laboratory)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 70

Type: **not specified**

Water soluble scintillator

Saturday, 16 June 2012 12:00 (15 minutes)

Presenter: Dr YEH, Minfang (Brookhaven National Laboratory)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 71

Type: **not specified**

Liquid Argon R&D status

Saturday, 16 June 2012 16:00 (20 minutes)

Primary author: Dr REBEL, Brian (Fermilab)

Presenter: Dr REBEL, Brian (Fermilab)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: 72

Type: **not specified**

Introduction

Saturday, 16 June 2012 11:00 (10 minutes)

Primary author: Prof. HITLIN, David (Caltech)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: 73

Type: **not specified**

Absolute calibration of SiPMs for LAr

Saturday, 16 June 2012 16:20 (15 minutes)

Presenter: ESCOBAR, Carlos (FERMILAB)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 75

Type: **not specified**

LAr reconstruction

Saturday, 16 June 2012 16:35 (15 minutes)

Presenter: Dr KIRBY, Michael (FNAL)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 76

Type: **not specified**

(reserved)

Contribution ID: 77

Type: **not specified**

mu to e gamma (converted), eee

Saturday, 16 June 2012 11:30 (25 minutes)

Presenter: DEJONGH, Fritz (Fermilab)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: 78

Type: **not specified**

Option for an N-Nbar annihilation detector

Saturday, 16 June 2012 16:50 (20 minutes)

Presenter: Prof. TAYLOE, Rex (Indiana University)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 79

Type: **not specified**

Mu2e calorimeter design and extrapolation

Saturday, 16 June 2012 11:55 (25 minutes)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: **80**

Type: **not specified**

New crystal development

Saturday, 16 June 2012 16:00 (25 minutes)

Presenter: Dr ZHU, Ren-yuan (Caltech)

Session Classification: EM calorimetry

Contribution ID: **81**

Type: **not specified**

Water Cherenkov reconstruction status

Monday, 18 June 2012 09:00 (20 minutes)

Presenter: Dr JUNK, Thomas (Fermilab)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: **82**

Type: **not specified**

Water Ch Reco with Fast timing

Monday, 18 June 2012 09:20 (20 minutes)

Primary author: Dr WETSTEIN, Matt (University of Chicago/ANL)

Presenter: Dr WETSTEIN, Matt (University of Chicago/ANL)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: **83**

Type: **not specified**

PbF2/SiPM beam test

Saturday, 16 June 2012 16:25 (25 minutes)

Presenter: Dr WINTER, Peter (U of Washington)

Session Classification: EM calorimetry

Contribution ID: **84**

Type: **not specified**

Discussion

Saturday, 16 June 2012 17:00 (30 minutes)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: 85

Type: **not specified**

Water Ch Reconstruction with Chroma

Monday, 18 June 2012 09:40 (20 minutes)

Presenter: SEIBERT, Stan (University of Pennsylvania)

Session Classification: Large-area, cost-effective detectors

Contribution ID: 86

Type: **not specified**

Generator for antineutron-carbon annihilation

Saturday, 16 June 2012 12:15 (20 minutes)

Presenter: GANEZER, Ken (CSUDH)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: 87

Type: **not specified**

Super-mirrors and neutron focusing

Monday, 18 June 2012 16:00 (30 minutes)

Presenter: SHIMIZU, H. (Nagoya)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: **88**

Type: **not specified**

Kaon experiment calorimetry requirements

Monday, 18 June 2012 08:50 (25 minutes)

Presenter: Dr LITTENBERG, Laurence (BNL)

Session Classification: EM calorimetry

Contribution ID: **89**

Type: **not specified**

Grooved moderator for N-Nbar-X

Monday, 18 June 2012 16:30 (15 minutes)

Presenter: LIU

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: **90**

Type: **not specified**

ORKA calorimeter - I

Monday, 18 June 2012 09:15 (25 minutes)

Presenter: GATTO, Corrado (INFN)

Session Classification: EM calorimetry

Contribution ID: **91**

Type: **not specified**

Cold and ultra-cold source R&D

Monday, 18 June 2012 16:45 (15 minutes)

Presenter: LIU, C.-Y. (Indiana)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 92

Type: **not specified**

NNbarX magnetic shielding

Presenter: SNOW, Mike (Indiana)

Contribution ID: 93

Type: **not specified**

TPC tracker and magnetic shield for NNbar

Monday, 18 June 2012 17:00 (15 minutes)

Presenter: BANERJEE, Sunanda (Tata Institute of Fundamental Research)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 94

Type: **not specified**

KOPIO preradiator and calorimeter

Monday, 18 June 2012 14:00 (25 minutes)

Presenter: Dr POBLAGUEV, Andrei (Yale)

Session Classification: EM calorimetry

Contribution ID: 95

Type: **not specified**

Teflon-based scintillator

Monday, 18 June 2012 14:25 (25 minutes)

Presenter: Dr YEH, Minfang (Brookhaven National Laboratory)

Session Classification: EM calorimetry

Contribution ID: 96

Type: **not specified**

KTeV CsI calorimeter

Monday, 18 June 2012 14:50 (25 minutes)

Presenter: WORCESTER, Elizabeth (BNL)

Session Classification: EM calorimetry

Contribution ID: 97

Type: **not specified**

Discussion

Monday, 18 June 2012 15:25 (30 minutes)

Session Classification: EM calorimetry

Contribution ID: 98

Type: **not specified**

Overview of free neutron-antineutron search experiment at ILL in 1991

Presenter: DUBBERS, D. (Heidelberg)

Contribution ID: 99

Type: **not specified**

Overview of possible NNbarX configurations

Presenter: Prof. KAMYSHKOV, Yuri (University of Tennessee)

Contribution ID: **100**

Type: **not specified**

Spallation target infrastructure at SNS

Monday, 18 June 2012 14:20 (20 minutes)

Presenter: GABRIEL, T. (UTK/ORNL)

Session Classification: Large-area, cost-effective detectors

Track Classification: Neutron-antineutron oscillations

Contribution ID: **101**

Type: **not specified**

Design considerations for the NNbarX source

Monday, 18 June 2012 14:40 (25 minutes)

Presenter: MUHRER, G (LANL)

Session Classification: Large-area, cost-effective detectors

Track Classification: Neutron-antineutron oscillations

Contribution ID: **102**

Type: **not specified**

Gadolinium

Wednesday, 20 June 2012 11:00 (20 minutes)

Presenter: Prof. VAGINS, Mark (UC Irvine, Institute for Physics and Mathematics of the Universe)

Session Classification: Large-area, cost-effective detectors

Contribution ID: **103**

Type: **not specified**

Light collection for LAr

Presenter: MUFSON, Stuart (Indiana U)

Contribution ID: **104**

Type: **not specified**

LENA Experiment

Wednesday, 20 June 2012 11:20 (30 minutes)

Presenter: TIPPMAN, Marc (TUM)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: **105**

Type: **not specified**

Neutrino physics

Thursday, 21 June 2012 14:20 (1 hour)

Presenter: Prof. HUBER, Patrick (Virginia Tech)

Session Classification: Summary Session

Contribution ID: **106**

Type: **not specified**

Mu2e Tracker

Saturday, 16 June 2012 11:30 (30 minutes)

Tracking requirements in rare mu decay experiments / mu2e experiment

Primary author: Dr MUKHERJEE, Aseet (Fermilab)

Session Classification: Tracking

Track Classification: Tracking

Contribution ID: **107**

Type: **not specified**

Neutrino detector summary

Thursday, 21 June 2012 16:00 (45 minutes)

Primary author: Prof. TAYLOE, Rex (Indiana University)

Co-authors: Prof. MCFARLAND, Kevin (University of Rochester); Dr JONGHEE, Yoo (Fermi National Accelerator Laboratory)

Presenter: Prof. TAYLOE, Rex (Indiana University)

Session Classification: Summary Session

Track Classification: Neutrino detectors

Contribution ID: **108**

Type: **not specified**

The Intensity Frontier at Snowmass 2013

Friday, 15 June 2012 10:40 (30 minutes)

Presenter: Prof. WEERTS, Hendrik (Argonne National Laboratory)

Session Classification: Plenary Session

Contribution ID: **109**

Type: **not specified**

European Program

Saturday, 16 June 2012 09:00 (45 minutes)

Presenter: Prof. RUBBIA, Andre

Session Classification: Neutrino physics and detectors

Contribution ID: **110**

Type: **not specified**

NuSTORM

Saturday, 16 June 2012 09:45 (45 minutes)

Presenter: BROSS, Alan

Session Classification: Neutrino physics and detectors

Contribution ID: **111**

Type: **not specified**

LBNE plans

Saturday, 16 June 2012 11:00 (45 minutes)

Presenter: STRAIT, James (FNAL)

Session Classification: Neutrino physics and detectors

Contribution ID: 112

Type: **not specified**

Hyper-K status

Saturday, 16 June 2012 11:45 (45 minutes)

Presenter: SHIOZAWA, Masato

Session Classification: Neutrino physics and detectors

Contribution ID: 113

Type: **not specified**

Systematics in LBL experiments

Saturday, 16 June 2012 14:00 (45 minutes)

Presenter: COLOMA, Pilar

Session Classification: Neutrino physics and detectors

Contribution ID: **114**

Type: **not specified**

Cross sections

Contribution ID: **115**

Type: **not specified**

IceCube

Monday, 18 June 2012 09:00 (45 minutes)

Presenter: MOCIOIU, Irina

Session Classification: Neutrino physics and detectors

Contribution ID: **116**

Type: **not specified**

INO

Monday, 18 June 2012 09:45 (45 minutes)

Presenter: CHOUDHARY, Brajesh

Session Classification: Neutrino physics and detectors

Contribution ID: **117**

Type: **not specified**

Physics reach of current LBL experiments

Monday, 18 June 2012 14:00 (45 minutes)

Presenter: PATTERSON, Ryan (Caltech)

Session Classification: Neutrino physics and detectors

Contribution ID: **118**

Type: **not specified**

Status of T2K and J-PARC

Monday, 18 June 2012 14:45 (45 minutes)

Presenter: KOBAYASHI, Takashi

Session Classification: Neutrino physics and detectors

Contribution ID: **119**

Type: **not specified**

MINOS+

Tuesday, 19 June 2012 09:00 (45 minutes)

Presenter: SOUSA, Alexandre

Session Classification: Neutrino physics and detectors

Contribution ID: **120**

Type: **not specified**

MiniBooNE

Tuesday, 19 June 2012 09:45 (45 minutes)

Presenter: GRANGE, Joe (University of Florida)

Session Classification: Neutrino physics and detectors

Contribution ID: **121**

Type: **not specified**

BooNE+

Tuesday, 19 June 2012 11:00 (45 minutes)

Presenter: Dr PAVLOVIC, Zarko (Los Alamos National Lab)

Session Classification: Neutrino physics and detectors

Contribution ID: **122**

Type: **not specified**

DAR/SNS

Tuesday, 19 June 2012 11:45 (45 minutes)

Presenter: LOUIS, William (LANL)

Session Classification: Neutrino physics and detectors

Contribution ID: **123**

Type: **not specified**

LBNE + PX

Tuesday, 19 June 2012 14:30 (45 minutes)

Presenter: ISVAN, Zeynep

Session Classification: Neutrino physics and detectors

Contribution ID: **124**

Type: **not specified**

NSI

Wednesday, 20 June 2012 14:40 (30 minutes)

Presenter: FRIEDLAND, Alexander (Los Alamos National Lab)

Session Classification: Neutrino physics and detectors

Contribution ID: 125

Type: **not specified**

New interactions in the neutrino sector

Wednesday, 20 June 2012 15:10 (30 minutes)

Presenter: Dr KOPP, Joachim (Fermilab)

Session Classification: Neutrino physics and detectors

Contribution ID: 126

Type: **not specified**

Supernova and low energy neutrinos

Wednesday, 20 June 2012 13:00 (40 minutes)

Presenter: SCHOLBERG, Kate (Duke University)

Session Classification: Neutrino physics and detectors

Contribution ID: 127

Type: **not specified**

Dark sector searches

Wednesday, 20 June 2012 14:10 (30 minutes)

Presenter: BATELL, Brian (Perimeter Institute)

Session Classification: Neutrino physics and detectors

Contribution ID: **128**

Type: **not specified**

MicroBoonE/LarLar

Thursday, 21 June 2012 09:00 (55 minutes)

Presenter: CAVANNA, Flavio

Session Classification: Neutrino physics and detectors

Contribution ID: **129**

Type: **not specified**

Event reconstruction in LAr

Thursday, 21 June 2012 09:55 (45 minutes)

Presenter: Dr REBEL, Brian (Fermilab)

Session Classification: Neutrino physics and detectors

Contribution ID: 130

Type: **not specified**

The Physics Potential of a Large Liq-Ar Atmospheric Detector

Monday, 18 June 2012 11:40 (40 minutes)

Presenter: GANDHI, Raj

Session Classification: Neutrino physics and detectors

Contribution ID: 131

Type: **not specified**

Theoretical motivation for neutron-antineutron oscillations

Saturday, 16 June 2012 09:00 (25 minutes)

Primary author: Prof. MOHAPATRA, Rabindra (University of Maryland)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 132

Type: **not specified**

New processes at LHC and neutron-antineutron oscillations

Saturday, 16 June 2012 09:25 (15 minutes)

Presenter: Prof. GOGOLADZE, Ilia

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 133

Type: **not specified**

Experimental searches for neutron-antineutron oscillations in nuclei

Saturday, 16 June 2012 09:40 (20 minutes)

Presenter: Prof. KEARNS, Ed (Boston University)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 134

Type: **not specified**

Neutron-antineutron oscillations vs nuclei stability

Saturday, 16 June 2012 10:00 (15 minutes)

Presenter: Prof. VAINSHTEIN, Arkady (University of Minnesota)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 135

Type: **not specified**

Future neutron-antineutron intranuclear searches vs vacuum oscillations

Saturday, 16 June 2012 10:15 (15 minutes)

Presenter: Prof. KAMYSHKOV, Yuri (University of Tennessee)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 136

Type: **not specified**

Neutron-antineutron oscillations with free neutrons

Saturday, 16 June 2012 14:00 (15 minutes)

Presenter: Prof. SNOW, W. M. (Indiana University)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 137

Type: **not specified**

Leptogenesis and Fundamental Symmetries of Nature

Saturday, 16 June 2012 14:15 (20 minutes)

Presenter: Prof. CHEN, Mu-chun (University of California, Irvine)

Session Classification: Neutron-antineutron oscillations

Contribution ID: 138

Type: **not specified**

Baryogenesis and neutron-antineutron oscillations

Saturday, 16 June 2012 14:35 (25 minutes)

Presenter: BABU, Ks (Oklahoma State)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 139

Type: **not specified**

Skyrme suppression or enhancement of neutron-antineutron oscillations

Saturday, 16 June 2012 15:00 (15 minutes)

Presenter: Dr STAVENGA, Gerben (Fermilab)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 140

Type: **not specified**

Lattice calculations of neutron-antineutron matrix elements

Saturday, 16 June 2012 15:15 (15 minutes)

Presenter: Dr BUCHOFF, Michael (Lawrence Livermore National Laboratory)

Session Classification: Neutron-antineutron oscillations

Contribution ID: **141**

Type: **not specified**

Scintillator Detectors

Presenter: Dr YEH, M

Contribution ID: 142

Type: **not specified**

MINERvA and nu-e elastic scattering

Contribution ID: 143

Type: **not specified**

PIENU and PEN

Monday, 18 June 2012 10:30 (30 minutes)

Primary author: NUMAO, Toshio (TRIUMF)

Presenter: NUMAO, Toshio (TRIUMF)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: **147**

Type: **not specified**

joint with EDM

Track Classification: Muon experiments

Contribution ID: 149

Type: **not specified**

Nuclear Physics Aspects of the Exotic Muon-to-Electron Conversion in Nuclei

Monday, 18 June 2012 16:00 (30 minutes)

Presenter: KOSMAS, Haris

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: 150

Type: **not specified**

Probing Neutrino Models in Extra Dimensions with Muon-to-Electron Conversion

Monday, 18 June 2012 16:30 (30 minutes)

Primary author: CHANG, We-Fu (National Tsing Hua University)

Presenter: CHANG, We-Fu (National Tsing Hua University)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: 151

Type: **not specified**

Warped Penguins and LFV

Presenter: TSAI, Yu-hsin (Cornell University)

Track Classification: Muon experiments

Contribution ID: 152

Type: **not specified**

Stage 1 CW Linac and the Muon Campus

Saturday, 16 June 2012 14:00 (30 minutes)

Presenters: Dr POLLY, Chris (Fermilab); KADUCAK, Marc (Fermilab)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: 153

Type: **not specified**

Linac Studies at ANL for Calibration of CLFV Experiments

Wednesday, 20 June 2012 15:00 (30 minutes)

Presenter: GAI, Wei (Argonne National Laboratory)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: 154

Type: **not specified**

Cooling Channel Optics

Saturday, 16 June 2012 14:50 (30 minutes)

Presenter: MALONEY, James (Northern Illinois University)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: 155

Type: **not specified**

J-PARC Muon Program

Presenter: Prof. LANCASTER, Mark (UCL)

Track Classification: Muon experiments

Contribution ID: 156

Type: **not specified**

joint with Calorimetry

Contribution ID: 157

Type: **not specified**

nu-e scattering

Contribution ID: **158**

Type: **not specified**

MINERvA

Contribution ID: **159**

Type: **not specified**

Scintillator detectors

Presenter: Dr YEH, Minfang (Brookhaven National Laboratory)

Contribution ID: **160**

Type: **not specified**

Warped Penguins and LFV

Wednesday, 20 June 2012 11:00 (30 minutes)

Presenter: TSAI, Y. (Cornell University)

Session Classification: Muons

Contribution ID: **161**

Type: **not specified**

Low Mass, High Speed Silicon Tracking

Saturday, 16 June 2012 16:00 (30 minutes)

Presenter: Dr LIPTON, Ronald (Fermilab)

Session Classification: Tracking

Contribution ID: **162**

Type: **not specified**

The NA-62 Gigatracker

Saturday, 16 June 2012 16:30 (30 minutes)

Presenter: VELGHE, Bob

Session Classification: Tracking

Contribution ID: **163**

Type: **not specified**

R-Symmetric Supersymmetry and LFV

Wednesday, 20 June 2012 11:30 (30 minutes)

Presenter: FOK., R. (York University)

Session Classification: Muons

Contribution ID: **164**

Type: **not specified**

Muonic Hydrogen and the Proton Charge Radius

Wednesday, 20 June 2012 14:00 (30 minutes)

Presenter: HILL, R. (University of Chicago)

Session Classification: Muons

Contribution ID: 165

Type: **not specified**

Rare Muon Processes and Radiative Neutrino Mass Generation

Wednesday, 20 June 2012 12:00 (30 minutes)

Presenter: JULIO, J. (Oklahoma State University)

Session Classification: Muons

Contribution ID: **166**

Type: **not specified**

Neutron-antineutron oscillations

Friday, 22 June 2012 09:45 (45 minutes)

Co-authors: Prof. YOUNG, Albert (North Carolina State University/Triangle Universities Nuclear Laboratory); Prof. QUIGG, Chris (Fermilab)

Presenter: Prof. SNOW, W. M. (Indiana University)

Session Classification: Summary Session

Contribution ID: **167**

Type: **not specified**

joint with Calorimetry

Contribution ID: **168**

Type: **not specified**

ORKA drift chamber

Monday, 18 June 2012 09:00 (30 minutes)

Primary author: Dr NUMAO, Toshio (TRIUMF)

Presenter: Dr NUMAO, Toshio (TRIUMF)

Session Classification: Tracking

Contribution ID: **169**

Type: **not specified**

Multi-Anode Straws

Monday, 18 June 2012 09:30 (30 minutes)

Presenter: Prof. OH, Seog (Duke University)

Session Classification: Tracking

Contribution ID: 170

Type: **not specified**

Discussion

Contribution ID: 171

Type: **not specified**

Straw Tracking for G-2

Saturday, 16 June 2012 12:00 (30 minutes)

Primary authors: CASEY, Brendan (FNAL); Dr NGUYEN, Hogan (Fermilab)

Session Classification: Tracking

Track Classification: Tracking

Contribution ID: 172

Type: **not specified**

Discussion

Saturday, 16 June 2012 17:00 (30 minutes)

Session Classification: Tracking

Contribution ID: 173

Type: **not specified**

Silicon tracker for mu -> e gamma

Monday, 18 June 2012 10:00 (30 minutes)

Presenter: DEJONGH, Fritz (Fermilab)

Session Classification: Tracking

Contribution ID: 174

Type: **not specified**

Low Mass Tracker Mechanics

Monday, 18 June 2012 14:15 (30 minutes)

Presenter: Dr COOPER, William (Fermilab)

Session Classification: Tracking

Contribution ID: 175

Type: **not specified**

Discussion of R&D Issues

Monday, 18 June 2012 15:15 (15 minutes)

Session Classification: Tracking

Contribution ID: 176

Type: **not specified**

Low Mass Monolithic Active Pixel detector for STAR at RHIC

Monday, 18 June 2012 14:45 (30 minutes)

Presenter: GRIENER, Leo

Session Classification: Tracking

Contribution ID: 177

Type: **not specified**

Emulsion Detector

Tuesday, 19 June 2012 14:00 (30 minutes)

Presenter: PARA, Adam (Fermilab)

Session Classification: Neutrino physics and detectors

Contribution ID: 178

Type: **not specified**

Coherent Scattering

Wednesday, 20 June 2012 13:40 (30 minutes)

Presenter: Mr SPITZ, Joshua (Yale University)

Session Classification: Neutrino physics and detectors

Contribution ID: 179

Type: **not specified**

Low energy neutrino source at Project-X stage-1

Tuesday, 19 June 2012 13:30 (30 minutes)

Presenter: DEJONGH, Fritz (Fermilab)

Session Classification: Neutrino physics and detectors

Contribution ID: **180**

Type: **not specified**

Delta-S

Presenter: Prof. TAYLOE, Rex (Indiana University)

Contribution ID: **181**

Type: **not specified**

Advanced Muon Beams at Project X

Monday, 18 June 2012 11:00 (30 minutes)

Presenter: ANKENBRANDT, Charles (Muons, Inc.)

Session Classification: Muons

Track Classification: Muon experiments

Contribution ID: **182**

Type: **not specified**

Other Kaon Physics at ORKA

Tuesday, 19 June 2012 09:45 (45 minutes)

Primary author: WORCESTER, Elizabeth (BNL)

Presenter: WORCESTER, Elizabeth (BNL)

Session Classification: Kaons

Track Classification: Kaon experiments

Contribution ID: **183**

Type: **not specified**

Calorimetry summary

Thursday, 21 June 2012 16:45 (45 minutes)

Primary author: Prof. HITLIN, David (Caltech)

Co-author: Dr DIWAN, Milind (BNL)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: Summary Session

Track Classification: EM calorimetry

Contribution ID: **184**

Type: **not specified**

Time-of-flight summary

Friday, 22 June 2012 14:45 (45 minutes)

Presenter: Dr ALBROW, Michael (Fermi National Accelerator Laboratory)

Session Classification: Summary Session

Contribution ID: **185**

Type: **not specified**

Muon physics summary

Friday, 22 June 2012 11:50 (45 minutes)

Presenter: KRIBS, Graham (Fermilab/U Oregon)

Session Classification: Summary Session

Contribution ID: **186**

Type: **not specified**

Tracking summary

Friday, 22 June 2012 14:00 (45 minutes)

Presenter: Dr LIPTON, Ronald (Fermilab)

Session Classification: Summary Session

Contribution ID: **187**

Type: **not specified**

MINERvA (remote talk)

Monday, 18 June 2012 11:00 (40 minutes)

Presenter: RAY, Heather

Session Classification: Neutrino physics and detectors

Contribution ID: **188**

Type: **not specified**

ORKA Calorimeter - II

Monday, 18 June 2012 09:40 (25 minutes)

Presenter: Dr MAZZACANE, Anna (Fermilab)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: **189**

Type: **not specified**

Scintillation Detectors

Saturday, 16 June 2012 14:45 (30 minutes)

Presenter: Dr YEH, Minfang (Brookhaven National Laboratory)

Session Classification: Neutrino physics and detectors

Contribution ID: **190**

Type: **not specified**

nu-e scattering

Saturday, 16 June 2012 15:15 (30 minutes)

Presenter: Mr PARK, Jaewon (University of Rochester)

Session Classification: Neutrino physics and detectors

Contribution ID: 192

Type: **not specified**

Calorimetry requirements for an nnbar experiment

Monday, 18 June 2012 15:15 (10 minutes)

Presenter: Prof. KAMYSHKOV, Yuri (University of Tennessee)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: **193**

Type: **not specified**

MEG Calorimeter experience and upgrade

Saturday, 16 June 2012 11:10 (20 minutes)

Presenter: Prof. MOLZON, William (University of California, Irvine)

Session Classification: EM calorimetry

Track Classification: EM calorimetry

Contribution ID: **194**

Type: **not specified**

Introduction

Saturday, 16 June 2012 16:00 (15 minutes)

Presenter: Dr ALBROW, Michael (Fermilab)

Session Classification: Time of flight

Contribution ID: **195**

Type: **not specified**

Introduction

Presenter: Dr ALBROW, Michael (Fermi National Accelerator Laboratory)

Contribution ID: **196**

Type: **not specified**

Timing needs mu-egamma, mu-eee

Saturday, 16 June 2012 16:15 (20 minutes)

Presenter: Dr DEJONGH, Fritz (Fermilab)

Session Classification: Time of flight

Contribution ID: **197**

Type: **not specified**

Timing detectors ATLAS forward protons

Saturday, 16 June 2012 16:35 (20 minutes)

Presenter: Prof. BRANDT, Andrew

Session Classification: Time of flight

Contribution ID: **198**

Type: **not specified**

QUARTIC for CMS protons

Saturday, 16 June 2012 16:55 (20 minutes)

Presenter: Dr ALBROW, Michael (Fermi National Accelerator Laboratory)

Session Classification: Time of flight

Contribution ID: **199**

Type: **not specified**

MCP with ALD timing properties

Monday, 18 June 2012 09:00 (20 minutes)

Presenter: Dr ELAGIN, Andrey

Session Classification: Time of flight

Contribution ID: **200**

Type: **not specified**

Fermilab test beam and timing detector development

Monday, 18 June 2012 09:20 (20 minutes)

Presenter: RAMBERG, Erik

Session Classification: Time of flight

Contribution ID: **201**

Type: **not specified**

Ultrafast lasers

Monday, 18 June 2012 09:40 (20 minutes)

Presenter: Dr SCARPINE, Vic

Session Classification: Time of flight

Contribution ID: **202**

Type: **not specified**

k0pi0 timing

Monday, 18 June 2012 14:00 (20 minutes)

Presenter: LITTENBERG, Laurie

Session Classification: Time of flight

Contribution ID: **203**

Type: **not specified**

timing in n-nbar

Monday, 18 June 2012 14:20 (20 minutes)

Presenter: Prof. KAMYSHKOV, Yuri

Session Classification: Time of flight

Contribution ID: 204

Type: **not specified**

Generator for nbar-Carbon annihilation

Presenter: GANEZER, Ken (CSUDH)

Contribution ID: 205

Type: **not specified**

Overview of free neutron-antineutron search experiment at ILL in 1991

Monday, 18 June 2012 11:00 (40 minutes)

Primary author: Prof. DUBBERS, Dirk (University of Heidelberg)

Presenter: Prof. DUBBERS, Dirk (University of Heidelberg)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: 206

Type: **not specified**

Overview of possible NNbarX configurations and staging

Monday, 18 June 2012 11:40 (30 minutes)

Primary author: Prof. KAMYSHKOV, Yuri (University of Tennessee)

Presenter: Prof. KAMYSHKOV, Yuri (University of Tennessee)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: **207**

Type: **not specified**

Discussion

Monday, 18 June 2012 12:10 (20 minutes)

Session Classification: Neutron-antineutron oscillations

Track Classification: Neutron-antineutron oscillations

Contribution ID: **208**

Type: **not specified**

Light Collection for LAr

Monday, 18 June 2012 14:00 (20 minutes)

Primary author: MUFSON, Stuart (Indiana U)

Presenter: MUFSON, Stuart (Indiana U)

Session Classification: Large-area, cost-effective detectors

Track Classification: Large-area, cost-effective detectors

Contribution ID: 209

Type: **not specified**

NNbarX magnetic shielding

Monday, 18 June 2012 15:05 (15 minutes)

Presenter: SNOW, William Michael (Indiana U.)

Session Classification: Large-area, cost-effective detectors

Track Classification: Neutron-antineutron oscillations

Contribution ID: **210**

Type: **not specified**

N-NBar Tracker

Monday, 18 June 2012 14:00 (15 minutes)

Presenter: Prof. SNOW, W. M. (Indiana University)

Session Classification: Tracking

Contribution ID: **211**

Type: **not specified**

Laser timing

Monday, 18 June 2012 14:40 (20 minutes)

Presenter: SCARPINE, Vic (Fermilab)

Session Classification: Time of flight

Contribution ID: 212

Type: **not specified**

J-PARC Muon Program

Wednesday, 20 June 2012 14:30 (30 minutes)

Primary author: Prof. LANCASTER, Mark (University College London)

Presenter: Prof. LANCASTER, Mark (UCL)

Session Classification: Muons

Contribution ID: 213

Type: **not specified**

The TREK Experiment at JPARC

Wednesday, 20 June 2012 11:00 (45 minutes)

Primary author: Prof. HASINOFF, Michael (University of British Columbia)

Presenter: Prof. HASINOFF, Michael (University of British Columbia)

Session Classification: Kaons

Contribution ID: 214

Type: **not specified**

Discussion of Kaon experiments in the Project X era

Wednesday, 20 June 2012 11:45 (45 minutes)

Session Classification: Kaons

Contribution ID: 215

Type: **not specified**

Gigatracker

Tuesday, 19 June 2012 14:00 (30 minutes)

Presenter: VELGHE, Bob (Université catholique de Louvain - CP3)

Session Classification: Time of flight

Contribution ID: **216**

Type: **not specified**

Discussion

Tuesday, 19 June 2012 14:30 (1 hour)

Primary author: Dr VAN DE WATER, Ruth (Brookhaven National Laboratory)

Session Classification: Lattice QCD

Contribution ID: 217

Type: **not specified**

Phone conference with DOE OHEP regarding funding opportunities

Wednesday, 20 June 2012 12:30 (30 minutes)

Session Classification: Conference Call with DOE - Funding Opportunities

Contribution ID: **218**

Type: **not specified**

Fast directional EM cal

Tuesday, 19 June 2012 14:30 (20 minutes)

Presenter: Dr ALBROW, Michael (Fermi National Accelerator Laboratory)

Session Classification: Time of flight

Contribution ID: 219

Type: **not specified**

Large-Area and Cost-Effective Detectors for Neutrinos and Proton Decay

Friday, 22 June 2012 11:25 (25 minutes)

Presenter: SANCHEZ, Mayly (Iowa State University)

Session Classification: Summary Session