

CSS 2013 / Snowmass on the Mississippi (Minnesota)

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome and Introduction from the Head of Physics and Astronomy and The Dean of the College of Science and Engineering

Monday, July 29, 2013 8:30 AM (15 minutes)

Presenters: POLING, Ron; CROUCH, Steve

Session Classification: Opening Plenary Session

Contribution ID: 1

Type: **not specified**

Introduction and Organization from DPF

Monday, July 29, 2013 9:00 AM (10 minutes)

Presenter: Prof. ROSNER, Jonathan (University of Chicago)

Session Classification: Opening Plenary Session

Contribution ID: 2

Type: **not specified**

Energy Frontier

Monday, July 29, 2013 9:10 AM (20 minutes)

Presenter: PESKIN, Michael (SLAC)

Session Classification: Opening Plenary Session

Contribution ID: 3

Type: **not specified**

Computing Frontier

Monday, July 29, 2013 9:30 AM (20 minutes)

Presenter: GOTTLIEB, Steven (Indiana Univ.)

Session Classification: Opening Plenary Session

Contribution ID: 4

Type: **not specified**

Intensity Frontier

Monday, July 29, 2013 9:50 AM (20 minutes)

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

Session Classification: Opening Plenary Session

Contribution ID: 5

Type: **not specified**

Instrumentation Frontier

Monday, July 29, 2013 10:10 AM (20 minutes)

Presenter: DEMARTEAU, Marcel (Argonne National Laboratory)

Session Classification: Opening Plenary Session

Contribution ID: 6

Type: **not specified**

Cosmic Frontier

Monday, July 29, 2013 11:00 AM (20 minutes)

Presenters: Prof. FENG, Jonathan (UC Irvine); Prof. RITZ, Steve (UCSC and SCIPP)

Session Classification: Opening Plenary Session

Contribution ID: 7

Type: **not specified**

Outreach

Monday, July 29, 2013 11:20 AM (20 minutes)

Session Classification: Opening Plenary Session

Contribution ID: 8

Type: **not specified**

Capabilities Frontier

Contribution ID: 9

Type: **not specified**

View from DOE

Contribution ID: **10**

Type: **not specified**

View from NSF

Contribution ID: 11

Type: **not specified**

Introduction, Welcome, and Organization

Monday, August 5, 2013 8:30 AM (5 minutes)

Presenter: Prof. ROSNER, Jonathan (University of Chicago)

Session Classification: Summary Plenary

Contribution ID: 12

Type: **not specified**

Intensity Frontier

Monday, August 5, 2013 8:40 AM (1h 5m)

Presenter: Prof. HEWETT, JoAnne (SLAC)

Session Classification: Summary Plenary

Contribution ID: 13

Type: **not specified**

Computing Frontier

Monday, August 5, 2013 9:45 AM (50 minutes)

Presenter: Dr BAUERDICK, Lothar (Fermilab)

Session Classification: Summary Plenary

Contribution ID: 14

Type: **not specified**

Cosmic Frontier

Monday, August 5, 2013 11:05 AM (1h 5m)

Presenters: Prof. FENG, Jonathan (UC Irvine); Prof. RITZ, Steve (UCSC and SCIPP)

Session Classification: Summary Plenary

Contribution ID: 15

Type: **not specified**

Communication, Education, and Outreach

Monday, August 5, 2013 1:55 PM (50 minutes)

Presenter: Prof. CRONIN-HENNESSY, D. (University of Minnesota)

Session Classification: Summary Plenary

Contribution ID: 16

Type: **not specified**

Instrumentation Frontier

Monday, August 5, 2013 2:45 PM (50 minutes)

Presenter: Dr LIPTON, Ronald (Fermilab)

Session Classification: Summary Plenary

Contribution ID: 17

Type: **not specified**

DPF and DNP Overlap

Contribution ID: **18**

Type: **not specified**

Capabilities Frontier

Presenters: GILCHRIESE, Murdock (Lawrence Berkeley National Laboratory); Prof. BARLETTA, William (MIT)

Contribution ID: **19**

Type: **not specified**

Energy Frontier

Tuesday, August 6, 2013 9:35 AM (1h 5m)

Presenter: Prof. BROCK, Raymond (Michigan State University)

Session Classification: Summary Plenary

Contribution ID: 20

Type: **not specified**

View from Europe

Tuesday, August 6, 2013 11:10 AM (20 minutes)

Presenter: Prof. NAKADA, Tatsuya (EPFL)

Session Classification: Summary Plenary

Contribution ID: 21

Type: **not specified**

View from Japan-Sachiyo Komamiya

Tuesday, August 6, 2013 11:30 AM (20 minutes)

Presenter: KOMAMIYA, Sachio (The University of Tokyo)

Session Classification: Summary Plenary

Contribution ID: 22

Type: **not specified**

Panel : Physics Horizons

Contribution ID: 23

Type: **not specified**

Summary of Snowmass

Tuesday, August 6, 2013 11:50 AM (40 minutes)

Presenter: SHIPSEY, Ian (Purdue University)

Session Classification: Summary Plenary

Contribution ID: 24

Type: **not specified**

Summary from DPF Chair

Tuesday, August 6, 2013 12:40 PM (10 minutes)

Presenter: Prof. ROSNER, Jonathan (University of Chicago)

Session Classification: Summary Plenary

Contribution ID: 25

Type: **not specified**

Introduction

Tuesday, July 30, 2013 8:30 AM (15 minutes)

Presenter: GILCHRIESE, Murdock (Lawrence Berkeley National Laboratory)

Session Classification: Frontier Capabilities

Contribution ID: 26

Type: **not specified**

Discussion

Contribution ID: 27

Type: **not specified**

Connection to dark matter experiments

Tuesday, July 30, 2013 8:45 AM (15 minutes)

Presenter: WITHERELL, Michael (UCSB)

Session Classification: Frontier Capabilities

Contribution ID: 28

Type: **not specified**

Connection to neutrinoless double beta decay and other nuclear physics experiments

Tuesday, July 30, 2013 9:00 AM (15 minutes)

Presenter: KLEIN, Josh (University of Pennsylvania)

Session Classification: Frontier Capabilities

Contribution ID: 29

Type: **not specified**

Discussion

Tuesday, July 30, 2013 9:15 AM (30 minutes)

Session Classification: Frontier Capabilities

Contribution ID: **30**

Type: **not specified**

Reactor Experiments and underground capabilities

Tuesday, July 30, 2013 10:15 AM (15 minutes)

Presenter: HEEGER, Karsten (University of Wisconsin)

Session Classification: Frontier Capabilities

Contribution ID: 31

Type: **not specified**

Low-Energy Neutrinos and Underground Capabilities

Tuesday, July 30, 2013 10:55 AM (15 minutes)

Presenter: SCHOLBERG, Kate (Duke University)

Session Classification: Frontier Capabilities

Contribution ID: 32

Type: **not specified**

Long baseline neutrinos, atmospheric neutrinos, proton decay and underground capabilities

Tuesday, July 30, 2013 10:40 AM (15 minutes)

Presenter: Prof. SOBEL, Henry Sobel (University of California)

Session Classification: Frontier Capabilities

Contribution ID: 33

Type: **not specified**

Non-proliferation Detectors and Underground Capabilities

Tuesday, July 30, 2013 10:30 AM (10 minutes)

Presenter: BERNSTEIN, Adam (LLNL)

Session Classification: Frontier Capabilities

Contribution ID: **34**

Type: **not specified**

Discussion

Tuesday, July 30, 2013 11:10 AM (20 minutes)

Session Classification: Frontier Capabilities

Contribution ID: 35

Type: **not specified**

Underground capabilities and Detector R&D

Tuesday, July 30, 2013 11:30 AM (15 minutes)

Presenter: Prof. CUSHMAN, Priscilla (University of Minnesota)

Session Classification: Frontier Capabilities

Contribution ID: 36

Type: **not specified**

Organization of US Underground Capabilities and Wrap Up

Tuesday, July 30, 2013 11:45 AM (15 minutes)

Presenter: GILCHRIESE, Murdock (Lawrence Berkeley National Laboratory)

Session Classification: Frontier Capabilities

Contribution ID: 37

Type: **not specified**

Discussion

Tuesday, July 30, 2013 12:00 PM (30 minutes)

Session Classification: Frontier Capabilities

Contribution ID: 40

Type: **not specified**

Capabilities

Monday, July 29, 2013 11:40 AM (20 minutes)

Presenters: GILCHRIESE, Gil; Prof. BARLETTA, William (MIT)

Session Classification: Opening Plenary Session

Contribution ID: 41

Type: **not specified**

Non-accelerator Capabilities

Presenter: GILCHRIESE, Murdock (Lawrence Berkeley National Laboratory)

Contribution ID: 42

Type: **not specified**

DOE Viewpoint

Monday, July 29, 2013 1:45 PM (30 minutes)

Presenter: SIEGRIST, Jim (DOE)

Session Classification: Opening Plenary Session

Contribution ID: 43

Type: **not specified**

NSF Viewpoint

Monday, July 29, 2013 2:15 PM (25 minutes)

Presenter: Dr GONZALEZ, Saul (NSF)

Session Classification: Opening Plenary Session

Contribution ID: 44

Type: **not specified**

New Fermilab Director

Monday, July 29, 2013 2:40 PM (35 minutes)

Presenter: LOCKYER, Nigel

Session Classification: Opening Plenary Session

Contribution ID: 45

Type: **not specified**

Dark Matter Colloquium

Contribution ID: 46

Type: **not specified**

Discussion, Q&A

Contribution ID: 47

Type: **not specified**

HEP and Nuclear Physics: Fundamental Symmetries and Interactions

Monday, August 5, 2013 4:05 PM (40 minutes)

Presenter: RAMSEY-MUSOLF, Michael

Session Classification: Summary Plenary

Contribution ID: 48

Type: **not specified**

Colloquium: Higgs boson, Higgs sector, and naturalness

Contribution ID: 49

Type: **not specified**

Discussion, Q&A

Contribution ID: 50

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Baryon Number Violation Overview

Presenter: BABU, K.S. (Oklahoma State University)

Contribution ID: 51

Type: **not specified**

Discussion, Q&A

Contribution ID: 52

Type: **not specified**

Colloquium: Precision Frontier - Finding New Physics Through Loops and Radiative Corrections

Contribution ID: 53

Type: **not specified**

Discussion and Q&A

Contribution ID: 54

Type: **not specified**

Colloquium: Cosmic survey-Dark energy, inflation, neutrinos, etc.

Contribution ID: 55

Type: **not specified**

Discussion and Q&A

Contribution ID: 56

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Exploring Dark Sectors

Presenter: Prof. ESSIG, Rouven (Stony Brook University)

Contribution ID: 57

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Panel Discussion (Moderator: J. Jaros)

Contribution ID: 58

Type: **not specified**

Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: 59

Type: **not specified**

Discussion and Q&A

Contribution ID: **60**

Type: **not specified**

Colloquium: Lepton and Quark Flavor and CP

Presenters: CASEY, Brendan (FNAL); LIGETI, Zoltan (LBL)

Contribution ID: **61**

Type: **not specified**

Panel Discussion

Contribution ID: 62

Type: **not specified**

Colloquium: Instrumentation

Presenter: Prof. BORTOLETTO, Daniela (Purdue University)

Contribution ID: **63**

Type: **not specified**

Discussion and Q&A

Contribution ID: 64

Type: **not specified**

Young Snowmass Viewpoint

Monday, July 29, 2013 1:30 PM (15 minutes)

Presenter: Dr ASAADI, Jonathan (Syracuse University)

Session Classification: Opening Plenary Session

Contribution ID: 65

Type: **not specified**

HEP and Astrophysics

Contribution ID: 67

Type: **not specified**

CF-5: Introduction

Tuesday, July 30, 2013 8:00 AM (5 minutes)

Presenters: Prof. HONSCHEID, Klaus (Ohio State University); Dr CHURCH, Sarah (Stanford University); Dr DODELSON, Scott (Fermilab)

Session Classification: Cosmic Frontier

Contribution ID: 68

Type: **not specified**

Dark Energy: Why Go Further

Tuesday, July 30, 2013 8:05 AM (1h 40m)

Presenters: TOLLEY, Andrew (Case Western); SHIPSEY, Ian (Purdue University); TRODDEN, Mark (Penn); Dr DODELSON, Scott (Fermilab); KAHN, Steve (Stanford/SLAC)

Session Classification: Cosmic Frontier

Track Classification: Cosmic Frontier

Contribution ID: **69**

Type: **not specified**

Dark Energy: Controlling Systematic Uncertainties

Tuesday, July 30, 2013 10:15 AM (1h 45m)

Presenter: Prof. HONSCHEID, Klaus (Ohio State University)

Session Classification: Cosmic Frontier

Contribution ID: 70

Type: **not specified**

CF-5: Neutrinos in the Cosmos

Wednesday, July 31, 2013 8:00 AM (1h 30m)

Presenters: KUSENKO, Alex (UCLA); Prof. DE GOUVEA, Andre (Northwestern University); SLOSAR, Anze (BNL); Dr KAYSER, Boris Kayser (Fermilab); HANSON, Duncan (McGill); SVOBODA, Robert (UC Davis)

Session Classification: Cosmic Frontier

Contribution ID: 71

Type: **not specified**

CF-5: Facilities

Wednesday, July 31, 2013 10:00 AM (2 hours)

Presenter: WEINBERG, David (Ohio State University)

Session Classification: Cosmic Frontier

Track Classification: Cosmic Frontier

Contribution ID: 72

Type: **not specified**

What do B Modes Tell Us

Wednesday, July 31, 2013 6:30 PM (30 minutes)

Session Classification: Cosmic Frontier

Contribution ID: 73

Type: **not specified**

Primordial Non-Gaussianity after Planck

Wednesday, July 31, 2013 6:00 PM (30 minutes)

Session Classification: Cosmic Frontier

Contribution ID: 74

Type: **not specified**

New Physics from the Cosmos

Contribution ID: 75

Type: **not specified**

Introduction

Thursday, August 1, 2013 9:00 AM (30 minutes)

Presenter: Prof. HONSCHEID, Klaus (Ohio State University)

Session Classification: Cosmic Frontier

Contribution ID: 76

Type: **not specified**

CF-5 Report: Distances

Thursday, August 1, 2013 9:30 AM (20 minutes)

Presenters: KIM, Alex (LBNL); PADMANABHAN, Nikhil (Yale University)

Session Classification: Cosmic Frontier

Contribution ID: 77

Type: **not specified**

CF-5 Report: Structure

Thursday, August 1, 2013 9:50 AM (20 minutes)

Presenters: KIRKBY, David (UC Irvine); HUTERER, Dragan (University of Michigan)

Session Classification: Cosmic Frontier

Contribution ID: 78

Type: **not specified**

CF-5 Report: Cross-Correlations

Thursday, August 1, 2013 10:10 AM (20 minutes)

Presenters: WEINBERG, David (Ohio State University); RHODES, Jason (JPL)

Session Classification: Cosmic Frontier

Contribution ID: 79

Type: **not specified**

CF 5 Report: Novel Probes

Thursday, August 1, 2013 11:00 AM (20 minutes)

Presenter: JAIN, Bhuvnesh (University of Pennsylvania)

Session Classification: Cosmic Frontier

Contribution ID: **80**

Type: **not specified**

CF-5 Report: Neutrinos in the Cosmos

Thursday, August 1, 2013 11:20 AM (20 minutes)

Presenter: ABAZAJIAN, Kevork (UC Irvine)

Session Classification: Cosmic Frontier

Contribution ID: **81**

Type: **not specified**

CF-5 Report: Inflation

Thursday, August 1, 2013 11:40 AM (20 minutes)

Presenters: LEE, Adrian (UC Berkeley); CARLSTROM, John (University of Chicago)

Session Classification: Cosmic Frontier

Contribution ID: **82**

Type: **not specified**

DOE and NSF Cosmic Frontier Programs

Thursday, August 1, 2013 6:00 PM (30 minutes)

Presenters: Dr WHITMORE, Jim (NSF); Dr TURNER, Kathy (DOE)

Session Classification: Cosmic Frontier

Contribution ID: **83**

Type: **not specified**

Discussion with PIs

Thursday, August 1, 2013 6:30 PM (1 hour)

Session Classification: Cosmic Frontier

Contribution ID: **84**

Type: **not specified**

HEP and Astrophysics

Monday, August 5, 2013 4:45 PM (40 minutes)

Presenter: Prof. OLINTO, Angela (The University of Chicago)

Session Classification: Summary Plenary

Contribution ID: **85**

Type: **not specified**

Capabilities Frontier

Tuesday, August 6, 2013 8:30 AM (1h 5m)

Presenters: ROSS, Marc (Fermilab); Prof. BARLETTA, William (MIT)

Session Classification: Summary Plenary

Contribution ID: **86**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:30 PM (5 minutes)

Presenter: Dr CARENA, Marcela (Fermilab)

Session Classification: Panel

Contribution ID: **87**

Type: **not specified**

Discussion

Tuesday, July 30, 2013 5:00 PM (1 hour)

Session Classification: Panel

Contribution ID: **88**

Type: **not specified**

Panel: What can we learn about short distance physics without discovering new particles?

Presenters: Mr NELSON, Harry; Prof. WISE, Mark (Caltech)

Contribution ID: **89**

Type: **not specified**

Discussion

Wednesday, July 31, 2013 5:00 PM (1 hour)

Session Classification: Panel

Contribution ID: 90

Type: **not specified**

Panel: Selling long term science

Presenters: Mr FISCHER, Blazey; BLAZEY, Jerry (NIU); Prof. HADLEY, Nicholas (The University of Maryland)

Contribution ID: **91**

Type: **not specified**

Discussion

Thursday, August 1, 2013 5:00 PM (1 hour)

Session Classification: Panel

Contribution ID: 92

Type: **not specified**

Panel: Making common cause with scientists in other fields

Presenter: Dr BHAT, Pushpalatha (Fermilab)

Contribution ID: 93

Type: **not specified**

Discussion

Friday, August 2, 2013 5:00 PM (1 hour)

Session Classification: Panel

Contribution ID: 94

Type: **not specified**

Panel: What should be the balance in the US program between domestic and overseas facilities?

Presenters: Prof. QUIGG, Chris (Fermilab); DENISOV, Dmitri (Fermilab); SCHOLBERG, Kate (Duke University); Prof. CUSHMAN, Priscilla (University of Minnesota); Dr HENDERSON, Stuart (Fermilab)

Contribution ID: 95

Type: **not specified**

Discussion

Saturday, August 3, 2013 5:00 PM (1 hour)

Session Classification: Panel

Contribution ID: 96

Type: **not specified**

Working Group A and B

Tuesday, July 30, 2013 8:00 AM (4 hours)

Work on the Integrated Document. Find inconsistencies, missing benchmark points, etc. Some from Working Group A will want to attend the Underground Facilities Session.

Presenters: BAUER, Dan (Fermilab); Prof. TAIT, Tim (UC Irvine)

Session Classification: Cosmic Frontier

Contribution ID: 97

Type: **not specified**

Working Group C

Tuesday, July 30, 2013 8:00 AM (4 hours)

Group C will mostly participate in the Underground Capability Session, whereas a few people will continue to work together on the Group C charge.

Presenters: JACOBSEN, Bob (UC Berkeley); Prof. CUSHMAN, Priscilla (University of Minnesota)

Session Classification: Cosmic Frontier

Contribution ID: **98**

Type: **not specified**

Cosmic Particles and Fundamental Physics

Presenter: Prof. OLINTO, Angela (The University of Chicago)

Contribution ID: 99

Type: **not specified**

Tough Questions

Presenter: Dr SINNIS, Gus (Los Alamos National Laboratory)

Contribution ID: **100**

Type: **not specified**

LHC upgrade path, technology, and possible US contributions

Contribution ID: **101**

Type: **not specified**

ILC technology, R&D, and possible US contributions

Contribution ID: **102**

Type: **not specified**

highlights of the EF working group reports

Contribution ID: **103**

Type: **not specified**

Higgs

Tuesday, July 30, 2013 8:20 AM (20 minutes)

Presenter: Prof. TULLY, Chris (Princeton University)

Session Classification: Energy Frontier Plenary

Contribution ID: **104**

Type: **not specified**

QCD

Tuesday, July 30, 2013 9:00 AM (20 minutes)

Presenter: Prof. HUSTON, Joey (Michigan State University)

Session Classification: Energy Frontier Plenary

Contribution ID: **105**

Type: **not specified**

Top

Tuesday, July 30, 2013 10:30 AM (20 minutes)

Presenter: Prof. ERBACHER, Robin Erbacher (UC Davis)

Session Classification: Energy Frontier Plenary

Contribution ID: **106**

Type: **not specified**

Electroweak

Tuesday, July 30, 2013 8:40 AM (20 minutes)

Presenter: Prof. KOTWAL, Ashutosh (Duke University)

Session Classification: Energy Frontier Plenary

Contribution ID: **107**

Type: **not specified**

New Particles, Forces, and Dimensions

Tuesday, July 30, 2013 9:20 AM (20 minutes)

Presenter: NARAIN, Meenakshi (Brown University)

Session Classification: Energy Frontier Plenary

Contribution ID: **108**

Type: **not specified**

Flavor at High Energy

Tuesday, July 30, 2013 9:40 AM (20 minutes)

Presenter: Prof. PRELL, Soeren (Iowa State University)

Session Classification: Energy Frontier Plenary

Contribution ID: **109**

Type: **not specified**

Energy Frontier Plenary: [coffee break]

Tuesday, July 30, 2013 10:00 AM (30 minutes)

Session Classification: Energy Frontier Plenary

Contribution ID: **110**

Type: **not specified**

Cosmic Frontier: WIMP Dark Matter Direct Detection (CF1)

Working Groups

Contribution ID: **111**

Type: **not specified**

Summary of CF2 Report Draft

Contribution ID: 112

Type: **not specified**

CF2 Report Update and Discussion

Tuesday, July 30, 2013 11:00 AM (1 hour)

Session Classification: Cosmic Frontier

Contribution ID: 113

Type: **not specified**

Instrumentation Frontier: Joint Meeting With CF1 and CF2

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Presenters: Dr SONNENSCHNEIN, Andrew (Fermilab); BAUER, Dan (Fermilab); NYGREN, David (Lawrence Berkeley National Laboratory); Prof. BUCKLEY, James (Washington University); Prof. CUSHMAN, Priscilla (University of Minnesota)

Session Classification: Instrumentation Frontier Parallel: Cosmic Frontier Joint Meeting

Contribution ID: **114**

Type: **not specified**

Instrumentation Frontier: Data Delivery and ASIC Development

Wednesday, July 31, 2013 10:30 AM (1h 30m)

Presenter: Dr HALLER, gunther (slac)

Session Classification: Instrumentation Frontier

Contribution ID: 115

Type: **not specified**

Hadron Collider Capabilities for the Energy Frontier

Tuesday, July 30, 2013 11:00 AM (30 minutes)

Capabilities WG1 Overview

Presenter: Prof. BATTAGLIA, Marco (UCSC and LBNL)

Session Classification: Energy Frontier and Capabilities Frontier Joint Plenary

Contribution ID: **116**

Type: **not specified**

Lepton Collider Capabilities for the Energy Frontier

Tuesday, July 30, 2013 11:30 AM (30 minutes)

Capabilities WG2 Overview

Presenter: Dr PALMER, Mark (Fermilab)

Session Classification: Energy Frontier and Capabilities Frontier Joint Plenary

Contribution ID: 117

Type: **not specified**

Intensity Frontier Pleantry Summary discussions

Contribution ID: **118**

Type: **not specified**

Astrophysical Evidence and Particle Candidates

Monday, July 29, 2013 3:45 PM (15 minutes)

Presenter: Prof. KAPLINGHAT, Manoj (University of California, Irvine)

Session Classification: Colloquium

Contribution ID: **119**

Type: **not specified**

Experimental Probes

Monday, July 29, 2013 4:00 PM (30 minutes)

Presenters: Prof. MCKINSEY, Daniel (Yale University); Prof. BUCKLEY, James (Washington University)

Session Classification: Colloquium

Contribution ID: 120

Type: **not specified**

Putting It All Together: Information from Coliders, Space, and Underground

Monday, July 29, 2013 4:30 PM (15 minutes)

Presenter: Prof. TAIT, Tim (UC Irvine)

Session Classification: Colloquium

Contribution ID: 121

Type: **not specified**

Tough Questions

Monday, July 29, 2013 4:45 PM (30 minutes)

Presenters: Prof. MCKINSEY, Daniel (Yale University); Prof. BUCKLEY, James (Washington University); Prof. WANG, Liantao (University of Chicago); Prof. KAPLINGHAT, Manoj (University of California, Irvine); Prof. TAIT, Tim (UC Irvine)

Session Classification: Colloquium

Contribution ID: 122

Type: **not specified**

Project X and the Big Questions

Tuesday, July 30, 2013 8:30 AM (30 minutes)

Presenter: Prof. DE GOUVEA, Andre (Northwestern University)

Session Classification: Intensity Frontier

Contribution ID: 123

Type: **not specified**

The Project X Accelerator Concept

Tuesday, July 30, 2013 9:00 AM (30 minutes)

Presenter: HOLMES, Stephen (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: 124

Type: **not specified**

Neutrino Physics with Project X

Tuesday, July 30, 2013 9:30 AM (30 minutes)

Presenter: Prof. HUBER, Patrick (Virginia Tech)

Session Classification: Intensity Frontier

Contribution ID: 125

Type: **not specified**

Broader Impacts: Energy research applications

Tuesday, July 30, 2013 10:30 AM (20 minutes)

Presenter: Dr SENOR, David (Pacific Northwest National Laboratory)

Session Classification: Intensity Frontier

Contribution ID: 126

Type: **not specified**

Broader Impacts: Material Science research applications

Tuesday, July 30, 2013 10:50 AM (20 minutes)

Presenter: MACDOUGALL, Gregory (University of Illinois at Urbana-Champaign)

Session Classification: Intensity Frontier

Contribution ID: 127

Type: **not specified**

Rare Processes with Project X

Tuesday, July 30, 2013 11:10 AM (30 minutes)

Presenter: Dr TSCHIRHART, Robert (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: **128**

Type: **not specified**

Open Discussion

Tuesday, July 30, 2013 11:40 AM (20 minutes)

Session Classification: Intensity Frontier

Contribution ID: **129**

Type: **not specified**

Nu2: Majorana vs. Dirac Summary

Friday, August 2, 2013 10:30 AM (30 minutes)

Presenter: KAUFMAN, Lisa (Indiana University)

Session Classification: Intensity Frontier

Contribution ID: **130**

Type: **not specified**

Nu3: Neutrino Mass Summary

Friday, August 2, 2013 11:00 AM (30 minutes)

Presenter: ROBERTSON, Hamish (U. of Washington)

Session Classification: Intensity Frontier

Contribution ID: **131**

Type: **not specified**

Nu4: Neutrino Interactions Summary

Friday, August 2, 2013 11:30 AM (30 minutes)

Presenter: Prof. TAYLOE, Rex (Indiana University)

Session Classification: Intensity Frontier

Contribution ID: 132

Type: **not specified**

Nu5: Anomalies and New Physics

Contribution ID: 133

Type: **not specified**

Nu6: Astrophysics and Cosmology

Contribution ID: 134

Type: **not specified**

Nu7: Neutrinos and Society

Contribution ID: 135

Type: **not specified**

Baryogenesis

Presenter: Prof. NELSON, Ann (University of Washington)

Contribution ID: **136**

Type: **not specified**

CTA

Tuesday, July 30, 2013 8:20 AM (20 minutes)

Presenter: Prof. FUNK, Stefan (SLAC National Accelerator Laboratory)

Session Classification: Cosmic Frontier

Contribution ID: **137**

Type: **not specified**

VERITAS

Tuesday, July 30, 2013 8:00 AM (20 minutes)

Presenter: Prof. HOLDER, Jamie (University of Delaware)

Session Classification: Cosmic Frontier

Contribution ID: **138**

Type: **not specified**

HAWC

Tuesday, July 30, 2013 8:40 AM (20 minutes)

Presenter: DINGUS, Brenda (Los Alamos National Lab)

Session Classification: Cosmic Frontier

Contribution ID: **139**

Type: **not specified**

GAPS

Tuesday, July 30, 2013 9:00 AM (20 minutes)

Presenter: TBA

Session Classification: Cosmic Frontier

Contribution ID: **140**

Type: **not specified**

IceCube

Tuesday, July 30, 2013 9:20 AM (20 minutes)

Presenter: COWEN, Doug (Penn State)

Session Classification: Cosmic Frontier

Contribution ID: **141**

Type: **not specified**

PINGU

Tuesday, July 30, 2013 9:40 AM (20 minutes)

Presenter: COWEN, Doug (Penn State)

Session Classification: Cosmic Frontier

Contribution ID: **142**

Type: **not specified**

Auger

Tuesday, July 30, 2013 10:20 AM (20 minutes)

Presenter: Prof. MATTHEWS, James (Louisiana State University)

Session Classification: Cosmic Frontier

Contribution ID: **143**

Type: **not specified**

JEM/EUSO

Tuesday, July 30, 2013 10:40 AM (20 minutes)

Presenter: KUSENKO, Alex (UCLA)

Session Classification: Cosmic Frontier

Contribution ID: 144

Type: **not specified**

Askaryan Experiments

Tuesday, July 30, 2013 11:00 AM (20 minutes)

Presenter: Mrs CONNOLLY, Amy (OSU)

Session Classification: Cosmic Frontier

Contribution ID: 145

Type: **not specified**

Beyond Einstein: The Physics Driving Cosmic Acceleration

Presenter: PADMANABHAN, Nikhil

Contribution ID: 146

Type: **not specified**

Beyond Planck: Neutrino and GUT-Scale Physics from the Cosmos

Presenter: CARLSTROM, John

Contribution ID: 147

Type: **not specified**

Beyond: Extending the Reach

Presenter: JAIN, Bhuvnesh (University of Pennsylvania)

Contribution ID: 148

Type: **not specified**

Tough Questions and Discussion

We know $w=-1$, so why do you need more data? (Kahn)

Will astrophysical systematics derail our ambitious goals? (Huterer)

Are there more Nobel Prizes left in the CMB? (Lee)

What expertise do HEP experimentalists bring to the Cosmic Frontier? (Honscheid)

Is the search for inflation-produced gravitational waves a fishing expedition? (Green)

Can we learn anything about UV completion from these searches? (Silverstein)

What can the cosmos tell us about neutrinos? What assumptions need to be made? (de Gouvea, Abazajian)

Are we done after the Stage IV Dark Energy experiments? (Kirkby)

Contribution ID: **150**

Type: **not specified**

Panel Discussion

Wednesday, July 31, 2013 7:00 PM (30 minutes)

Presenters: GREEN, Daniel (KIPAC/SLAC); HUTERER, Dragan (University of Michigan); SILVERSTEIN, Eva (SLAC); MCALLISTER, Liam (Cornell University)

Session Classification: Cosmic Frontier

Contribution ID: 151

Type: **not specified**

Nu5 Summary: Anomalies and New Physics

Thursday, August 1, 2013 8:30 AM (30 minutes)

Presenter: GEER, Steve (FNAL)

Session Classification: Intensity Frontier

Contribution ID: 152

Type: **not specified**

Nu6 Summary: Astrophysical and Cosmological Neutrinos

Thursday, August 1, 2013 9:00 AM (30 minutes)

Presenters: LUNARDINI, Cecilia (University of Washington); HOFFMAN, Kara

Session Classification: Intensity Frontier

Contribution ID: 153

Type: **not specified**

Nu7 Summary: Neutrinos and Society

Thursday, August 1, 2013 9:30 AM (30 minutes)

Presenter: BERNSTEIN, Adam (LLNL)

Session Classification: Intensity Frontier

Contribution ID: 154

Type: **not specified**

Computing Frontier: E1 Cosmic

Tuesday, July 30, 2013 8:00 AM (30 minutes)

Presenters: SZALAY, Alex; CONNOLLY, Andrew

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 155

Type: **not specified**

Computing Frontier: E2 Energy

Tuesday, July 30, 2013 8:30 AM (30 minutes)

Presenters: Dr FISK, Ian (Fermilab); SHANK, Jim

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 156

Type: **not specified**

Computing Frontier: E3 Intensity

Tuesday, July 30, 2013 10:30 AM (30 minutes)

Presenters: Dr REBEL, Brian (Fermilab); SANCHEZ, Mayly (Iowa State University); WOLBERS, Stephen (Fermilab)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 157

Type: **not specified**

Computing Frontier: T1 Accelerator Science

Tuesday, July 30, 2013 9:00 AM (30 minutes)

Presenters: CORMIER, Estelle; Dr SPENTZOURIS, Panagiotis (Fermilab)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 158

Type: **not specified**

Computing Frontier: T2 Astrophysics and Cosmology

Tuesday, July 30, 2013 10:00 AM (30 minutes)

Presenters: MEZZACAPPA, Anthony; HABIB, Salman

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **159**

Type: **not specified**

Computing Frontier: T3 Lattice Field Theory

Tuesday, July 30, 2013 9:30 AM (30 minutes)

Presenters: Dr HOLMGREN, Don (Fermilab); Dr VAN DE WATER, Ruth (Brookhaven National Laboratory); BLUM, Thomas (University of Connecticut)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **160**

Type: **not specified**

Computing Frontier: T4 Perturbative QCD

Tuesday, July 30, 2013 11:00 AM (30 minutes)

Presenters: REINA, Laura; Prof. WOBISCH, Markus (Louisiana Tech University); Mr HOECHE, Stefan (SLAC)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **161**

Type: **not specified**

Computing Frontier: Discussion and Wrap Up

Tuesday, July 30, 2013 11:30 AM (30 minutes)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **162**

Type: **not specified**

Computing Frontier: I2 Distributed Computing and Facility Infrastructures

Wednesday, July 31, 2013 8:00 AM (45 minutes)

Presenters: BLOOM, Ken (University of Nebraska-Lincoln); GERBER, Richard

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **163**

Type: **not specified**

Computing Frontier: I3 Networking

Wednesday, July 31, 2013 8:45 AM (45 minutes)

Presenters: BELL, Gregory; ERNST, Michael (BNL)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **164**

Type: **not specified**

Computing Frontier: I4 Software Development, Personnel, Training

Wednesday, July 31, 2013 9:30 AM (45 minutes)

Presenters: BROWN, David (LBNL); Dr ELMER, Peter (Princeton University); PORDES, Ruth (Fermilab)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 165

Type: **not specified**

Computing Frontier: I5 Data Management and Storage

Wednesday, July 31, 2013 10:15 AM (45 minutes)

Presenters: BUTLER, Michelle; MOUNT, Richard

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: 166

Type: **not specified**

Computing Frontier: Larry Price, Department of Energy: Agency View of the Computing Frontier

Wednesday, July 31, 2013 11:00 AM (30 minutes)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **167**

Type: **not specified**

Computing Frontier: Discussion and Wrap Up

Wednesday, July 31, 2013 11:30 AM (30 minutes)

Session Classification: Computing Frontier: Parallel Sessions

Contribution ID: **168**

Type: **not specified**

The ORKA Experiment

Contribution ID: **169**

Type: **not specified**

Joint Meeting of Quark Flavor Physics and Instrumentation Frontier

Contribution ID: 170

Type: **not specified**

Joint meeting of Quark Flavor and Charged Leptons

Contribution ID: **171**

Type: **not specified**

Belle II

Tom Browder (20+10) - Belle II Physics and Organization

Jim Fast (15+5) - The US Belle II Project

David Asner (15+5) - (US Role in) Belle II Computing

Panel Q&A with Masanori Yamauchi, Browder, Fast, Asner (20)

Contribution ID: 172

Type: **not specified**

Instrumentation Frontier: Presentation of executive summery

Tuesday, July 30, 2013 8:30 AM (1h 30m)

Presenter: DEMARTEAU, Marcel (Argonne National Laboratory)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: 173

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Tuesday, July 30, 2013 10:00 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: 174

Type: **not specified**

Instrumentation Frontier: Synthesis Talk: Pixelization

Tuesday, July 30, 2013 10:30 AM (45 minutes)

Presenter: Dr CHANG, Clarence (Argonne National Lab)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: 175

Type: **not specified**

Instrumentation Frontier: Synthesis Talk: Pixelization

Tuesday, July 30, 2013 11:15 AM (45 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: 176

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Wednesday, July 31, 2013 10:00 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Cosmic Frontier Joint Meeting

Contribution ID: 177

Type: **not specified**

Instrumentation Frontier: Joint session: Introduction

Thursday, August 1, 2013 8:30 AM (10 minutes)

Presenters: Prof. WHITE, Andy (U. texas at Arlington); Dr LECOMPTE, Thomas (Argonne National Laboratory); Prof. HEINTZ, Ulrich (Brown University)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 178

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Thursday, August 1, 2013 10:30 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 179

Type: **not specified**

Instrumentation Frontier: Synthesis Talk: Mechanics and Power

Presenter: Dr HABER, Carl (Lawrence Berkeley National Lab)

Contribution ID: **181**

Type: **not specified**

PINGU Mass Hierarchy Sensitivity

Wednesday, July 31, 2013 11:00 AM (15 minutes)

Presenters: Prof. GRANT, Darren (University of Alberta); COWEN, Doug (Penn State); Prof. DEYOUNG, Tyce (Penn State University)

Session Classification: Intensity Frontier

Contribution ID: **182**

Type: **not specified**

Implications of IceCube Astrophysical Neutrinos

Wednesday, July 31, 2013 11:15 AM (15 minutes)

Presenter: WHITEHORN, Nathan (UW-Madison)

Session Classification: Intensity Frontier

Contribution ID: **183**

Type: **not specified**

Supernova Burst Neutrinos with LBNE

Wednesday, July 31, 2013 11:30 AM (20 minutes)

Presenter: FRIEDLAND, Alexander (Los Alamos National Lab)

Session Classification: Intensity Frontier

Contribution ID: **184**

Type: **not specified**

The Future of GZK Neutrino Searches

Wednesday, July 31, 2013 11:50 AM (20 minutes)

Presenter: Dr VIEREGG, Abigail (Harvard University)

Session Classification: Intensity Frontier

Contribution ID: **185**

Type: **not specified**

Instrumentation Frontier: Emerging Technologies

Presenter: ALEXANDER, Jim

Contribution ID: **186**

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Friday, August 2, 2013 10:00 AM (30 minutes)

Session Classification: Instrumentation Frontier

Contribution ID: **187**

Type: **not specified**

Instrumentation Frontier: Joint with Intensity Frontier: Heavy Flavors

Friday, August 2, 2013 11:00 AM (1h 30m)

Presenters: Dr ASNER, David (Pacific Northwest National Laboratory); Prof. RITCHIE, Jack (University of Texas at Austin)

Session Classification: Instrumentation Frontier

Contribution ID: **188**

Type: **not specified**

Instrumentation Frontier: Joint session with Intensity Frontier

Saturday, August 3, 2013 8:30 AM (2 hours)

Presenters: Prof. WEERTS, Hendrik (Argonne National Laboratory); Prof. HEWETT, JoAnne (SLAC); SVOBODA, Robert (UC Davis); KETELL, Steve

Session Classification: Instrumentation Frontier

Contribution ID: **189**

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Contribution ID: **190**

Type: **not specified**

Instrumentation Frontier: Speed

Saturday, August 3, 2013 11:00 AM (1 hour)

Presenter: Prof. VARNER, Gary (University of Hawaii)

Session Classification: Instrumentation Frontier

Contribution ID: **191**

Type: **not specified**

Instrumentation Frontier: Reading and critique of summary report and executive summary

Sunday, August 4, 2013 8:30 AM (1h 30m)

Presenter: Dr LIPTON, Ronald (Fermilab)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: **192**

Type: **not specified**

Instrumentation Frontier: [Coffee Break]

Sunday, August 4, 2013 10:00 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: **193**

Type: **not specified**

Instrumentation Frontier: CPAD Future (funding models)

Sunday, August 4, 2013 10:30 AM (1 hour)

Presenter: SHIPSEY, Ian (Purdue University)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: **194**

Type: **not specified**

Instrumentation Frontier: Discussion

Sunday, August 4, 2013 11:30 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Internal Meetings

Contribution ID: **195**

Type: **not specified**

Welcome and Orientation

Monday, July 29, 2013 8:45 AM (15 minutes)

Presenter: Prof. CRONIN-HENNESSY, D. (University of Minnesota)

Session Classification: Opening Plenary Session

Contribution ID: **196**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:35 PM (5 minutes)

Presenter: ARKANI-HAMED, Nima

Session Classification: Panel

Contribution ID: **197**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:40 PM (5 minutes)

Presenter: CRANMER, Kyle

Session Classification: Panel

Contribution ID: **198**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:45 PM (5 minutes)

Presenter: Prof. FENG, Jonathan (UC Irvine)

Session Classification: Panel

Contribution ID: **199**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:50 PM (5 minutes)

Presenter: Prof. DE GOUVEA, Andre (Northwestern University)

Session Classification: Panel

Contribution ID: **200**

Type: **not specified**

Comments

Tuesday, July 30, 2013 4:55 PM (5 minutes)

Presenter: Dr RAMEIKA, Regina (Fermilab)

Session Classification: Panel

Contribution ID: **201**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:30 PM (5 minutes)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: Panel

Contribution ID: **202**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:35 PM (5 minutes)

Presenter: KETTELL, Steve (BNL)

Session Classification: Panel

Contribution ID: **203**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:40 PM (5 minutes)

Presenter: SILVERSTEIN, Eva

Session Classification: Panel

Contribution ID: **204**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:45 PM (5 minutes)

Presenter: WARK, Dave

Session Classification: Panel

Contribution ID: **205**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:50 PM (5 minutes)

Presenter: Prof. WISE, Mark (Caltech)

Session Classification: Panel

Contribution ID: **206**

Type: **not specified**

Comments

Wednesday, July 31, 2013 4:55 PM (5 minutes)

Presenter: ZERWAS, Dirk

Session Classification: Panel

Contribution ID: **207**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:30 PM (5 minutes)

Presenter: Prof. HADLEY, Nicholas (The University of Maryland)

Session Classification: Panel

Contribution ID: **208**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:35 PM (5 minutes)

Presenter: BLAZEY, Jerry (NIU)

Session Classification: Panel

Contribution ID: **209**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:50 PM (5 minutes)

Presenter: BURKE, April

Session Classification: Panel

Contribution ID: **210**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:40 PM (5 minutes)

Presenter: FISHER, Mischa

Session Classification: Panel

Contribution ID: **211**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:45 PM (5 minutes)

Presenter: KIRBY, Kate

Session Classification: Panel

Contribution ID: **212**

Type: **not specified**

Comments

Thursday, August 1, 2013 4:55 PM (5 minutes)

Presenter: VIGDOR, Steve

Session Classification: Panel

Contribution ID: **213**

Type: **not specified**

Comments

Friday, August 2, 2013 4:50 PM (5 minutes)

Presenter: Prof. JONES, Terry (UMN)

Session Classification: Panel

Contribution ID: **214**

Type: **not specified**

Comments

Friday, August 2, 2013 4:35 PM (5 minutes)

Presenter: Prof. GREENE, Laura

Session Classification: Panel

Contribution ID: 215

Type: **not specified**

Comments

Friday, August 2, 2013 4:55 PM (5 minutes)

Presenter: Prof. MURAYAMA, Hitoshi (University of California, Berkeley & IPMU, University of Tokyo)

Session Classification: Panel

Contribution ID: **216**

Type: **not specified**

Comments

Friday, August 2, 2013 4:30 PM (5 minutes)

Presenter: Prof. ROSNER, Robert

Session Classification: Panel

Contribution ID: **217**

Type: **not specified**

Comments

Friday, August 2, 2013 4:45 PM (5 minutes)

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

Session Classification: Panel

Contribution ID: **218**

Type: **not specified**

Comments

Friday, August 2, 2013 4:40 PM (5 minutes)

Presenter: Prof. RUCHTI, Randal (National Science Foundation)

Session Classification: Panel

Contribution ID: **219**

Type: **not specified**

Comments

Saturday, August 3, 2013 4:30 PM (5 minutes)

Presenter: Prof. CUSHMAN, Priscilla (University of Minnesota)

Session Classification: Panel

Contribution ID: **220**

Type: **not specified**

Comments

Saturday, August 3, 2013 4:35 PM (5 minutes)

Presenter: Prof. GROSS, David (KITP)

Session Classification: Panel

Contribution ID: **221**

Type: **not specified**

Comments

Saturday, August 3, 2013 4:45 PM (5 minutes)

Presenter: Prof. INCANDELA, Joseph (UC Santa Barbara)

Session Classification: Panel

Contribution ID: 222

Type: **not specified**

Comments

Saturday, August 3, 2013 4:40 PM (5 minutes)

Presenter: Dr HENDERSON, Stuart (Fermilab)

Session Classification: Panel

Contribution ID: 223

Type: **not specified**

Comments

Saturday, August 3, 2013 4:55 PM (5 minutes)

Presenter: SCHOLBERG, Kate (Duke University)

Session Classification: Panel

Contribution ID: 224

Type: **not specified**

Comments

Saturday, August 3, 2013 4:50 PM (5 minutes)

Presenter: Prof. QUIGG, Chris (Fermilab)

Session Classification: Panel

Contribution ID: 225

Type: **not specified**

Moving forward with P5

Tuesday, August 6, 2013 12:30 PM (10 minutes)

Presenter: LANKFORD, Andrew (UC Irvine)

Session Classification: Summary Plenary

Contribution ID: 226

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: CRANMER, Kyle

Contribution ID: 227

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: DEMERS, Sarah (Yale)

Contribution ID: 228

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: Dr HENDERSON, Stuart (Fermilab)

Contribution ID: 229

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: Prof. MESSIER, Mark (Indiana University)

Contribution ID: 230

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: SAVINOV, Vladimir

Contribution ID: 231

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenter: Prof. TAIT, Tim (UC Irvine)

Contribution ID: 232

Type: **not specified**

Public Event: "Physics Slam on Ice": Introduction

Contribution ID: 233

Type: **not specified**

Half Time/Ipad Giveaway

Friday, August 2, 2013 8:45 PM (15 minutes)

Session Classification: Public Event: "Physics Slam on Ice"

Contribution ID: 234

Type: **not specified**

Overview of CF3 Science and Summary Document

Tuesday, July 30, 2013 8:00 AM (4 hours)

Presenter: Prof. ROSENBERG, Leslie (University of Washington)

Session Classification: Cosmic Frontier

Contribution ID: 235

Type: **not specified**

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Contribution ID: 236

Type: **not specified**

Joint CF2+CF6 session (see CF6 schedule)

Tuesday, July 30, 2013 8:00 AM (3 hours)

Session Classification: Cosmic Frontier

Contribution ID: 237

Type: **not specified**

Cosmic Frontier: Dark Energy and CMB (CF5): [Coffee Break]

Tuesday, July 30, 2013 9:45 AM (30 minutes)

Session Classification: Cosmic Frontier

Contribution ID: 238

Type: **not specified**

Cosmic Frontier: Cosmic Particles and Fundamental Physics (CF6): [Coffee Break]

Contribution ID: 239

Type: **not specified**

Frontier Capabilities: [Coffee Break]

Tuesday, July 30, 2013 9:45 AM (30 minutes)

Session Classification: Frontier Capabilities

Contribution ID: 240

Type: **not specified**

Intensity Frontier: [Coffee Break]

Tuesday, July 30, 2013 10:00 AM (30 minutes)

Session Classification: Intensity Frontier

Contribution ID: 241

Type: **not specified**

Cosmic Frontier: Dark Energy and CMB (CF5): [Coffee Break]

Wednesday, July 31, 2013 9:30 AM (30 minutes)

Session Classification: Cosmic Frontier

Contribution ID: 242

Type: **not specified**

Intensity Frontier: Quark Flavor Physics: [Coffee Break]

Wednesday, July 31, 2013 9:50 AM (40 minutes)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 243

Type: **not specified**

Cosmic Frontier: CF Plenary: Dark Energy and CMB (CF5): [Coffee Break]

Thursday, August 1, 2013 10:30 AM (30 minutes)

Session Classification: Cosmic Frontier

Contribution ID: 244

Type: **not specified**

Discussion

Monday, July 29, 2013 5:15 PM (45 minutes)

Session Classification: Colloquium

Contribution ID: 245

Type: **not specified**

Discussion

Contribution ID: 246

Type: **not specified**

Intensity Frontier: Quark Flavor Physics: [Coffee Break]

Friday, August 2, 2013 10:00 AM (30 minutes)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 247

Type: **not specified**

Discussion

Wednesday, July 31, 2013 12:10 PM (20 minutes)

Session Classification: Intensity Frontier

Contribution ID: 248

Type: **not specified**

Colloquium: Higgs boson, Higgs sector, and naturalness: Higgs couplings: What more must we learn about the Higgs? What accuracy is needed? What is the size of the Higgs sector?

Presenter: DAWSON, Sally

Contribution ID: 249

Type: **not specified**

Colloquium: Higgs boson, Higgs sector, and naturalness: Extended Higgs, flavor, and low-energy observables

Presenter: HARNIK, Roni (FNAL)

Contribution ID: 250

Type: **not specified**

Colloquium: Higgs boson, Higgs sector, and naturalness: Tough Questions and Answers

Presenter: TBA

Contribution ID: 251

Type: **not specified**

Colloquium: Higgs boson, Higgs sector, and naturalness: Open Discussion

Contribution ID: 252

Type: **not specified**

Colloquium: Precision Frontier: Status and future of precision electroweak observables

Presenter: Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Contribution ID: 253

Type: **not specified**

Colloquium: Precision Frontier: Low-energy electroweak observables: parity violation, g-2, etc

Presenter: TBA

Contribution ID: 254

Type: **not specified**

Colloquium: Precision Frontier: Tough Questions and Answers

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Dr VAN DE WATER, Ruth (Brookhaven National Laboratory)

Contribution ID: 255

Type: **not specified**

Colloquium: Precision Frontier: Open Discussion

Contribution ID: 256

Type: **not specified**

Colloquium: Energies beyond LHC: Physics goals

Presenter: LUTY, Markus (UC Davis)

Contribution ID: 257

Type: **not specified**

Colloquium: Energies beyond LHC: Technology challenges of high energy pp colliders

Presenter: Dr PRESTEMON, Soren (Lawrence Berkeley National Laboratory)

Contribution ID: 258

Type: **not specified**

Colloquium: Energies beyond LHC: Technology challenges of high energy lepton colliders

Presenter: YOKOYA, Kaoru

Contribution ID: 259

Type: **not specified**

Colloquium: Energies beyond LHC: Tough Questions and Answers

Presenters: Prof. HOGAN, Craig (Fermilab); DENISOV, Dmitri (Fermilab); Dr PALMER, Mark (Fermilab); Dr LAMM, Michael (Fermi National Accelerator Laboratory)

Contribution ID: **260**

Type: **not specified**

Colloquium: Energies beyond LHC: Open Discussion

Contribution ID: 261

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Introduction

Presenter: Dr HENDERSON, Stuart (Fermilab)

Contribution ID: 262

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Opportunities

Presenters: Dr EICHTEN, Estia (Fermilab); SHAEVITZ, Mike (Columbia University)

Contribution ID: 263

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Accelerator Technology in the Current Era

Presenter: HOLMES, Stephen (Fermilab)

Contribution ID: 264

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Technologies for Intensity beyond the Present Era

Presenter: Dr PALMER, Mark (Fermilab)

Contribution ID: 265

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: From Intensity to Energy Frontier

Presenter: DELAHAYE, Jean-Pierre (SLAC)

Contribution ID: 266

Type: **not specified**

Delta I=1/2 rule & more from the lattice

Thursday, August 1, 2013 9:00 AM (30 minutes)

Presenter: SONI, amarjit (BNL)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 267

Type: **not specified**

Review of Lattice QCD for Quark Flavor Physics

Thursday, August 1, 2013 8:30 AM (30 minutes)

Presenter: LAIHO, Jack (University of Glasgow)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 268

Type: **not specified**

Inclusive B decay theory

Thursday, August 1, 2013 9:30 AM (30 minutes)

Presenter: PAZ, Gil (Wayne State University)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 269

Type: **not specified**

Experimental Panel Discussion of Issues in Quark Flavor Physics

Thursday, August 1, 2013 10:30 AM (1h 30m)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 270

Type: **not specified**

Theory Panel: Discussion of Theory Community Issues

Tuesday, July 30, 2013 10:30 AM (1h 30m)

Presenters: KUSENKO, Alex (UCLA); Dr SANFORD, David (Caltech); Dr EICHTEN, Estia (FNAL); PAZ, G; Dr CARENA, Marcela (Fermilab); DRAPER, Patrick (UC Santa Cruz); Prof. ESSIG, Rouven (Stony Brook University); Dr DODELSON, Scott (Fermilab); Ms WANG, Su-Yin (IPAS/Fermilab/NKNU); Prof. HAN, Tao (Univ. of Pittsburgh); Prof. WANG

Session Classification: Theory Panel

Contribution ID: 271

Type: **not specified**

Theory Panel: Discussion of Theory Community Issues

Friday, August 2, 2013 9:30 AM (2h 30m)

Presenters: Prof. RICHARD, Hill; Prof. MURAYAMA, Hitoshi (IPMU); Prof. BAER, Howard (University of Oklahoma); HINCHLIFFE, I (LBNL); Prof. FENG, Jonathan (UC Irvine); DIENES, K; OLIVE, K; Prof. AGASHE, Kaustubh (University of Maryland); Prof. LUTY, Markus (University of California Davis); Prof. PERELSTEIN, Maxim (Cornell University); Prof. DINE, Michael; Prof. ARKANI-HAMED, Nima (IAS Princeton); Dr ROLLI, Simona (DOE); Prof. GERSHTEIN, Yuri (Rutgers)

Session Classification: Theory Panel

Contribution ID: 272

Type: **not specified**

Theory Panel: Discussion of Theory Community Issues

Sunday, August 4, 2013 10:30 AM (1h 30m)

Presenters: Prof. DE GOUVEA, Andre (Northwestern University); Prof. NELSON, Ann (University of Washington); GROSS, D (KITP); Prof. FENG, Jonathan (UC Irvine); DIENES, K (National Science Foundation); MELNIKOV, K; Dr ROLLI, Simona (DOE); GOTTLIEB, Steven (Indiana Univ.); Prof. TAIT, Tim (UC Irvine)

Session Classification: Theory Panel

Contribution ID: 273

Type: **not specified**

Mechanics and Power

Presenter: Dr HABER, Carl (Lawrence Berkeley National Lab)

Contribution ID: 274

Type: **not specified**

Intro to storage ring EDMs and proton EDM

Wednesday, July 31, 2013 10:30 AM (45 minutes)

Presenter: Dr SEMERTZIDIS, Yannis (BNL)

Session Classification: Intensity Frontier: storage ring EDMs

Contribution ID: 275

Type: **not specified**

Discussion

Wednesday, July 31, 2013 11:15 AM (45 minutes)

Session Classification: Intensity Frontier: storage ring EDMs

Contribution ID: 276

Type: **not specified**

Electron EDM with an electrostatic ring

Thursday, August 1, 2013 9:00 AM (30 minutes)

Presenter: Dr MORSE, William (BNL)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: 277

Type: **not specified**

Discussion

Thursday, August 1, 2013 9:30 AM (45 minutes)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: 278

Type: **not specified**

Electron EDM with an all magnetic ring

Thursday, August 1, 2013 10:45 AM (30 minutes)

Presenter: Dr TALMAN, Richard (Cornell)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: 279

Type: **not specified**

Discussion

Thursday, August 1, 2013 11:15 AM (45 minutes)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: **280**

Type: **not specified**

Tasks, milestones, who is doing what

Friday, August 2, 2013 9:00 AM (1 hour)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: **281**

Type: **not specified**

Tasks, milestones, who is doing what

Friday, August 2, 2013 10:30 AM (1h 30m)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: **282**

Type: **not specified**

Current Status of Mu2e-II Feasibility Studies

Wednesday, July 31, 2013 10:30 AM (30 minutes)

Presenter: Dr GLENZINSKI, Doug (Fermilab)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 283

Type: **not specified**

DIO Studies with x10 Muon Flux

Wednesday, July 31, 2013 11:00 AM (30 minutes)

Presenter: BROWN, David (LBNL)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: **284**

Type: **not specified**

DIO Studies for Ti Stopping Target

Wednesday, July 31, 2013 11:30 AM (30 minutes)

Presenter: Dr KNOEPFEL, Kyle (Fermilab)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 285

Type: **not specified**

Tracker and Calorimeter Performance for Mu2e-II Scenarios

Thursday, August 1, 2013 8:30 AM (30 minutes)

Presenter: Dr MUKHERJEE, Aseet (Fermilab)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 286

Type: **not specified**

Studies of neutron/photon rates at CRV with 1 or 3 GeV proton beams

Thursday, August 1, 2013 9:00 AM (30 minutes)

Presenter: Dr HEDIN, David (Northern Illinois University)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 287

Type: **not specified**

Studies of the production target for 100 kW at 1 or 3 GeV proton beams

Thursday, August 1, 2013 9:30 AM (30 minutes)

Presenter: Dr PRONSKIKH, Vitaly (Fermilab)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: **288**

Type: **not specified**

Studies of the PS Performance at Project X beams

Thursday, August 1, 2013 10:30 AM (30 minutes)

Presenters: Dr LAMM, Michael (Fermilab); TBA

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 289

Type: **not specified**

On using BaF as a fast scintillator for an upgraded calorimeter for Mu2e-III

Thursday, August 1, 2013 11:00 AM (30 minutes)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 290

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Axion-like Particles

Presenter: Dr WESTER, William (Fermilab)

Contribution ID: 291

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Why Searches for Dark Sectors are Important

Presenter: Prof. ARKANI-HAMED, Nima

Contribution ID: 292

Type: **not specified**

Theory Motivation

Presenter: LIGETI, Zoltan (LBL)

Contribution ID: 293

Type: **not specified**

Experimental Program

Presenter: CASEY, Brendan (FNAL)

Contribution ID: 294

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Neutrino Theory Overview

Presenter: Prof. HUBER, Patrick (Virginia Tech)

Contribution ID: 295

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Neutrino Experiment Overview

Presenter: HEEGER, Karsten (University of Wisconsin)

Contribution ID: 296

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Tough Questions Panel

Contribution ID: 297

Type: **not specified**

Intensity Frontier: Mu2e II & III: [Coffee Break]

Thursday, August 1, 2013 10:00 AM (30 minutes)

Session Classification: Intensity Frontier: Mu2e II & III

Contribution ID: 298

Type: **not specified**

Intensity Frontier: Storage ring EDMs [Coffee Break]

Friday, August 2, 2013 10:00 AM (30 minutes)

Session Classification: Intensity Frontier: Storage ring EDMs

Contribution ID: 299

Type: **not specified**

Lepton, Quark Flavor, and CP

Presenter: PAPUCCI, Michele

Contribution ID: **300**

Type: **not specified**

Colloquium: Computing

Presenter: Dr FISK, Ian (Fermilab)

Contribution ID: **301**

Type: **not specified**

Public Event: "Physics Slam on Ice"

Presenters: CRANMER, Kyle; DEMERS, Sarah (Yale); Dr HENDERSON, Stuart (Fermilab)

Contribution ID: 302

Type: **not specified**

Colloquium: Higgs couplings: What more must we learn about the Higgs? What accuracy is needed? What is the size of the Higgs sector?

Tuesday, July 30, 2013 1:45 PM (30 minutes)

Presenter: DAWSON, Sally

Session Classification: Colloquium: Higgs boson, Higgs sector, and naturalness

Contribution ID: **303**

Type: **not specified**

Colloquium: Extended Higgs, flavor, and low-energy observables

Tuesday, July 30, 2013 2:15 PM (20 minutes)

Presenter: HARNIK, Roni (FNAL)

Session Classification: Colloquium: Higgs boson, Higgs sector, and naturalness

Contribution ID: **304**

Type: **not specified**

Colloquium: Tough Questions and Answers

Tuesday, July 30, 2013 2:35 PM (1 hour)

Presenters: Prof. TULLY, Chris (Princeton University); LOGAN, Heather (Carleton University); QIAN, Jianming (University of Michigan); KLUTE, Markus; PESKIN, Michael (SLAC); Dr BARKLOW, Timothy (SLAC)

Session Classification: Colloquium: Higgs boson, Higgs sector, and naturalness

Contribution ID: **305**

Type: **not specified**

Colloquium: Open Discussion

Tuesday, July 30, 2013 3:35 PM (25 minutes)

Session Classification: Colloquium: Higgs boson, Higgs sector, and naturalness

Contribution ID: 306

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Baryon Number Violation Overview

Wednesday, July 31, 2013 1:45 PM (20 minutes)

Presenter: BABU, K.S. (Oklahoma State University)

Session Classification: Colloquium: Neutrino mass, mixing and Grand Unification

Contribution ID: **307**

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Neutrino Theory Overview

Wednesday, July 31, 2013 2:05 PM (20 minutes)

Presenter: Prof. HUBER, Patrick (Virginia Tech)

Session Classification: Colloquium: Neutrino mass, mixing and Grand Unification

Contribution ID: **308**

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Neutrino Experiment Overview

Wednesday, July 31, 2013 2:25 PM (20 minutes)

Presenter: HEEGER, Karsten (University of Wisconsin)

Session Classification: Colloquium: Neutrino mass, mixing and Grand Unification

Contribution ID: **309**

Type: **not specified**

Colloquium: Neutrino mass, mixing and Grand Unification: Tough Questions Panel

Wednesday, July 31, 2013 2:45 PM (35 minutes)

Presenters: Prof. FLEMING, Bonnie (Yale University); Dr KAYSER, Boris Kayser (Fermilab); Prof. KEARNS, Ed (Boston University); URHEIM, Jon (Indiana University); KLEIN, Josh (University of Pennsylvania); Prof. LONG, Kenneth (Imperial College London); Dr DODELSON, Scott (Fermilab); Dr BRICE, Steve (FNAL)

Session Classification: Colloquium: Neutrino mass, mixing and Grand Unification

Contribution ID: **310**

Type: **not specified**

Colloquium: Discussion, Q&A

Wednesday, July 31, 2013 3:20 PM (40 minutes)

Session Classification: Colloquium: Neutrino mass, mixing and Grand Unification

Contribution ID: 311

Type: **not specified**

Colloquium: Precision Frontier: Status and future of precision electroweak observables

Thursday, August 1, 2013 1:45 PM (40 minutes)

Presenter: Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Colloquium: Precision Frontier - Finding New Physics Through Loops and Radiative Corrections

Contribution ID: 312

Type: **not specified**

Colloquium: Precision Frontier: Low-energy electroweak observables: parity violation, g-2, etc

Thursday, August 1, 2013 2:25 PM (15 minutes)

Presenter: Prof. SU, Shufang (University of Arizona)

Session Classification: Colloquium: Precision Frontier - Finding New Physics Through
Loops and Radiative Corrections

Contribution ID: 313

Type: **not specified**

Colloquium: Precision Frontier: Tough Questions and Answers

Thursday, August 1, 2013 2:40 PM (35 minutes)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); WILSON, Graham (University of Kansas); CAMPBELL, John (Fermilab); Dr VAN DE WATER, Ruth (Brookhaven National Laboratory)

Session Classification: Colloquium: Precision Frontier - Finding New Physics Through Loops and Radiative Corrections

Contribution ID: **314**

Type: **not specified**

Colloquium: Precision Frontier: Open Discussion

Thursday, August 1, 2013 3:15 PM (45 minutes)

Session Classification: Colloquium: Precision Frontier - Finding New Physics Through Loops and Radiative Corrections

Contribution ID: 315

Type: **not specified**

Beyond Einstein: The Physics Driving Cosmic Acceleration

Thursday, August 1, 2013 1:50 PM (25 minutes)

Presenter: PADMANABHAN, Nikhil

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: 316

Type: **not specified**

Beyond Planck: Neutrino and GUT-Scale Physics from the Cosmos

Thursday, August 1, 2013 3:00 PM (25 minutes)

Presenter: CARLSTROM, John

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: **317**

Type: **not specified**

Cosmic surveys: Extending the Reach

Thursday, August 1, 2013 2:15 PM (15 minutes)

Presenters: JAIN, Bhuvnesh (University of Pennsylvania); PADMANABHAN, Nikhil (Yale)

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: **318**

Type: **not specified**

Tough Questions and Discussion

Thursday, August 1, 2013 3:25 PM (35 minutes)

We know $w=-1$, so why do you need more data? (Kahn)

Will astrophysical systematics derail our ambitious goals? (Huterer)

Are there more Nobel Prizes left in the CMB? (Lee)

What expertise do HEP experimentalists bring to the Cosmic Frontier? (Honscheid)

Is the search for inflation-produced gravitational waves a fishing expedition? (Green)

Can we learn anything about UV completion from these searches? (Silverstein)

What can the cosmos tell us about neutrinos? What assumptions need to be made? (de Gouvea, Abazajian)

Are we done after the Stage IV Dark Energy experiments? (Kirkby)

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: **319**

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Exploring Dark Sectors

Friday, August 2, 2013 1:45 PM (30 minutes)

Presenter: Prof. ESSIG, Rouven (Stony Brook University)

Session Classification: Colloquium: New Light Weakly Coupled Particles

Contribution ID: **320**

Type: **not specified**

Discussion of CF2 Report/Recommendations

Wednesday, July 31, 2013 10:30 AM (1h 30m)

Session Classification: Cosmic Frontier

Contribution ID: **321**

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Axion-like Particles

Friday, August 2, 2013 2:15 PM (30 minutes)

Presenter: Dr WESTER, William (Fermilab)

Session Classification: Colloquium: New Light Weakly Coupled Particles

Contribution ID: 322

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Why Searches for Dark Sectors are Important

Friday, August 2, 2013 2:45 PM (30 minutes)

Presenter: Prof. ARKANI-HAMED, Nima

Session Classification: Colloquium: New Light Weakly Coupled Particles

Contribution ID: 323

Type: **not specified**

Colloquium: New Light Weakly Coupled Particles: Panel Discussion (Moderator: J. Jaros)

Friday, August 2, 2013 3:15 PM (45 minutes)

Session Classification: Colloquium: New Light Weakly Coupled Particles

Contribution ID: 324

Type: **not specified**

Colloquium: Energies beyond LHC: Physics goals

Friday, August 2, 2013 1:45 PM (20 minutes)

Presenter: LUTY, Markus (UC Davis)

Session Classification: Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: 325

Type: **not specified**

Colloquium: Energies beyond LHC: Technology challenges of high energy pp colliders

Friday, August 2, 2013 2:05 PM (20 minutes)

Presenter: Dr PRESTEMON, Soren (Lawrence Berkeley National Laboratory)

Session Classification: Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: 326

Type: **not specified**

Colloquium: Energies beyond LHC: Technology challenges of high energy lepton colliders

Friday, August 2, 2013 2:25 PM (20 minutes)

Presenter: YOKOYA, Kaoru

Session Classification: Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: 327

Type: **not specified**

Colloquium: Energies beyond LHC: Tough Questions and Answers

Friday, August 2, 2013 2:45 PM (30 minutes)

Presenters: DENISOV, Dmitri (Fermilab); HOGAN, Mark (SLAC); Dr PALMER, Mark (Fermilab); Dr LAMM, Michael (Fermilab)

Session Classification: Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: **328**

Type: **not specified**

Colloquium: Energies beyond LHC: Open Discussion

Friday, August 2, 2013 3:15 PM (45 minutes)

Session Classification: Colloquium: Energies beyond LHC: Physics goals and technologies

Contribution ID: 329

Type: **not specified**

Colloquium: High Energy Cosmic Particles: Cosmic Particles and Fundamental Physics

Saturday, August 3, 2013 1:45 PM (45 minutes)

Presenter: Prof. OLINTO, Angela (The University of Chicago)

Session Classification: Colloquium: High Energy Cosmic Particles

Contribution ID: 330

Type: **not specified**

Colloquium: High Energy Cosmic Particles: Tough Questions

Saturday, August 3, 2013 2:30 PM (30 minutes)

1. Why is it important to detect GZK neutrinos and what are the prospects for detecting them? What experimental program is required to do this in the next 5-20 years?
2. What are the roles and impact of cosmic-ray, gamma-ray, and neutrino experiments for particle physics? What future experiments are needed?
3. What will it take to identify the mechanism for baryogenesis or leptogenesis?

Presenter: Dr SINNIS, Gus (Los Alamos National Laboratory)

Session Classification: Colloquium: High Energy Cosmic Particles

Contribution ID: 331

Type: **not specified**

Colloquium: High Energy Cosmic Particles: Discussion

Saturday, August 3, 2013 3:00 PM (1 hour)

Session Classification: Colloquium: High Energy Cosmic Particles

Contribution ID: 332

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Theory Motivation

Saturday, August 3, 2013 1:45 PM (35 minutes)

Presenter: LIGETI, Zoltan (LBL)

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: 333

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Experimental Program

Saturday, August 3, 2013 2:20 PM (35 minutes)

Presenter: CASEY, Brendan (FNAL)

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: 334

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Answers to questions

Saturday, August 3, 2013 2:55 PM (15 minutes)

Presenter: Prof. HITLIN, David (Caltech)

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: 335

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Introduction

Sunday, August 4, 2013 9:30 AM (5 minutes)

Presenter: Dr HENDERSON, Stuart (Fermilab)

Session Classification: Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Goals and Accelerator Technologies

Contribution ID: 336

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Opportunities

Sunday, August 4, 2013 9:35 AM (40 minutes)

Presenters: Dr EICHTEN, Estia (Fermilab); SHAEVITZ, Mike (Columbia University)

Session Classification: Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Goals and Accelerator Technologies

Contribution ID: 337

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Accelerator Technology in the Current Era

Sunday, August 4, 2013 10:15 AM (40 minutes)

Presenter: HOLMES, Stephen (Fermilab)

Session Classification: Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Goals and Accelerator Technologies

Contribution ID: 338

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Technologies for Intensity beyond the Present Era

Sunday, August 4, 2013 10:55 AM (40 minutes)

Presenter: Dr PALMER, Mark (Fermilab)

Session Classification: Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Goals and Accelerator Technologies

Contribution ID: 339

Type: **not specified**

Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: From Intensity to Energy Frontier

Sunday, August 4, 2013 11:35 AM (40 minutes)

Presenter: DELAHAYE, Jean-Pierre (SLAC)

Session Classification: Colloquium: Opportunities with High Intensity Accelerators Beyond the Current Era: Physics Goals and Accelerator Technologies

Contribution ID: **340**

Type: **not specified**

Colloquium: Instrumentation

Sunday, August 4, 2013 1:45 PM (20 minutes)

Presenter: Prof. BORTOLETTO, Daniela (Purdue University)

Session Classification: Colloquium: Transformative technologies for instrumentation and data

Contribution ID: **341**

Type: **not specified**

Colloquium: Computing

Sunday, August 4, 2013 2:05 PM (20 minutes)

Presenter: Dr FISK, Ian (Fermilab)

Session Classification: Colloquium: Transformative technologies for instrumentation and data

Contribution ID: 342

Type: **not specified**

Colloquium: Discussion and Q&A

Sunday, August 4, 2013 2:25 PM (1h 35m)

Session Classification: Colloquium: Transformative technologies for instrumentation and data

Contribution ID: **343**

Type: **not specified**

Nu1 in a Nutshell

Friday, August 2, 2013 8:30 AM (5 minutes)

Presenter: HEEGER, Karsten (University of Wisconsin)

Session Classification: Intensity Frontier

Contribution ID: **344**

Type: **not specified**

Physics with Existing Facilities

Friday, August 2, 2013 8:35 AM (15 minutes)

Session Classification: Intensity Frontier

Contribution ID: **345**

Type: **not specified**

Mass Hierarchy Studies

Friday, August 2, 2013 8:50 AM (15 minutes)

Session Classification: Intensity Frontier

Contribution ID: 346

Type: **not specified**

CP Violation Reach in the Next Decade and Beyond

Friday, August 2, 2013 9:05 AM (15 minutes)

Presenter: Prof. HUBER, Patrick (Virginia Tech)

Session Classification: Intensity Frontier

Contribution ID: **347**

Type: **not specified**

Long Term Physics Prospects

Friday, August 2, 2013 9:20 AM (15 minutes)

Presenter: Prof. LONG, Kenneth (Imperial College London)

Session Classification: Intensity Frontier

Contribution ID: 348

Type: **not specified**

Muon Accelerators: An Integrated Path to Intensity and Energy Frontier Physics Capabilities

Friday, August 2, 2013 9:35 AM (25 minutes)

Presenter: Dr PALMER, Mark (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: **349**

Type: **not specified**

Physics in Large Underground Detectors

Thursday, August 1, 2013 8:30 AM (30 minutes)

Presenter: Dr KAYSER, Boris Kayser (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: **350**

Type: **not specified**

LBNE

Thursday, August 1, 2013 9:00 AM (55 minutes)

Presenters: STRAIT, James (FNAL); Dr DIWAN, Milind (BNL); Prof. WILSON, Robert (Colorado State University)

Session Classification: Intensity Frontier

Contribution ID: 351

Type: **not specified**

Hyper-K Physics Potential

Thursday, August 1, 2013 10:30 AM (20 minutes)

Presenter: Prof. YOKOYAMA, Masashi (University of Tokyo)

Session Classification: Intensity Frontier

Contribution ID: **352**

Type: **not specified**

Daedalus

Thursday, August 1, 2013 11:05 AM (15 minutes)

Presenter: TOUPS, Matt

Session Classification: Intensity Frontier

Contribution ID: 353

Type: **not specified**

Discussion

Thursday, August 1, 2013 9:55 AM (5 minutes)

Session Classification: Intensity Frontier

Contribution ID: 354

Type: **not specified**

Discussion

Thursday, August 1, 2013 11:20 AM (40 minutes)

Session Classification: Intensity Frontier

Contribution ID: 355

Type: **not specified**

Energy Frontier Parallel: QCD: Group discussion

Friday, August 2, 2013 11:00 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: 356

Type: **not specified**

Energy Frontier Parallel: QCD: Alphas on the lattice

Wednesday, July 31, 2013 8:30 AM (30 minutes)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Presenter: MACKENZIE, Paul (Fermilab)

Session Classification: Energy Frontier Parallel

Contribution ID: 357

Type: **not specified**

Energy Frontier Parallel: QCD: Discussion of future alphas determinations

Wednesday, July 31, 2013 9:00 AM (1 hour)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Presenters: Prof. PETRIELLO, Frank (University of Wisconsin); Prof. HUSTON, Joey (Michigan State University); CAMPBELL, John (Fermilab); Prof. HATAKEYAMA, Kenichi (Baylor University)

Session Classification: Energy Frontier Parallel

Contribution ID: 358

Type: **not specified**

Energy Frontier Parallel: QCD: Discussion (PDFs) / work on report

Friday, August 2, 2013 8:30 AM (1h 30m)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Session Classification: Energy Frontier Parallel

Contribution ID: 359

Type: **not specified**

Energy Frontier Parallel: QCD: Discussion (higher order and EWK)

Saturday, August 3, 2013 9:00 AM (1 hour)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Session Classification: Energy Frontier Parallel

Contribution ID: **360**

Type: **not specified**

Energy Frontier Parallel: QCD: Discussion / work on report

Saturday, August 3, 2013 10:00 AM (2 hours)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Session Classification: Energy Frontier Parallel

Contribution ID: **361**

Type: **not specified**

Baryon Number Violation Parallel: Theoretical models of n - \bar{n} oscillations

Friday, August 2, 2013 8:30 AM (20 minutes)

Presenter: BABU, K.S. (Oklahoma State University)

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n - \bar{n} oscillations

Contribution ID: 362

Type: **not specified**

Baryon Number Violation Parallel: n-nbar oscillation phenomenology

Friday, August 2, 2013 8:50 AM (20 minutes)

Presenter: SNOW, Mike

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 363

Type: **not specified**

Baryon Number Violation Parallel: n-nbar transition in nuclei

Friday, August 2, 2013 9:10 AM (20 minutes)

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

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 364

Type: **not specified**

Baryon Number Violation Parallel: NNbar Inside Nuclei (discussion)

Friday, August 2, 2013 9:30 AM (30 minutes)

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

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 365

Type: **not specified**

Baryon Number Violation Parallel: [Coffee Break]

Friday, August 2, 2013 10:00 AM (30 minutes)

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n - \bar{n} oscillations

Contribution ID: 366

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Spallation target in Project X

Presenter: Dr GABRIEL, Tony (University of Tennessee)

Contribution ID: 367

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Motivation for $NN\bar{b}X$

Friday, August 2, 2013 10:30 AM (20 minutes)

Presenter: SNOW, Mike

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n - $n\bar{b}$ oscillations

Contribution ID: 368

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Experimental sensitivity

Friday, August 2, 2013 10:50 AM (20 minutes)

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

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 369

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Experimental challenges and opportunities

Friday, August 2, 2013 11:10 AM (25 minutes)

Presenter: BAXTER, David

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 370

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Detector configuration and options

Friday, August 2, 2013 1:30 PM (30 minutes)

Presenter: Prof. YOUNG, Albert (North Carolina State University/Triangle Universities Nuclear Laboratory)

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 371

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-neutron mirror optics and participation of Japan

Friday, August 2, 2013 2:00 PM (20 minutes)

Presenter: SHIMIZU, Hiro

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 372

Type: **not specified**

Baryon Number Violation Parallel: NNbarX R&D Needs (discussion)

Friday, August 2, 2013 2:20 PM (10 minutes)

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

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n-nbar oscillations

Contribution ID: 373

Type: **not specified**

Baryon Number Violation Parallel: Experimental aspects-Experimental questions and discussion

Friday, August 2, 2013 2:30 PM (30 minutes)

Session Classification: Baryon Number Violation Parallel: Theoretical aspects of n - \bar{n} oscillations

Contribution ID: 374

Type: **not specified**

Baryon Number Violation Parallel: Answering community questions

Saturday, August 3, 2013 8:30 AM (1h 30m)

Presenters: Prof. YOUNG, Albert (North Carolina State University/Triangle Universities Nuclear Laboratory); Prof. QUIGG, Chris (Fermilab); BAXTER, David; SHIMIZU, Hiro; BABU, K.S. (Oklahoma State University); SNOW, Mike; Dr TSCHIRHART, Robert (Fermilab); Prof. KAMYSHKOV, Yuri (University of Tennessee)

Session Classification: Baryon Number Violation Parallel: Panel discussions on n-nbar

Contribution ID: 375

Type: **not specified**

Baryon Number Violation Parallel: General discussion

Saturday, August 3, 2013 10:00 AM (1 hour)

Session Classification: Baryon Number Violation Parallel: Panel discussions on n - \bar{n}

Contribution ID: 376

Type: **not specified**

CF4 Summary

Saturday, August 3, 2013 9:00 AM (20 minutes)

Presenter: Dr HOOPER, Dan (Fermilab)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: 377

Type: **not specified**

CF1 Summary

Saturday, August 3, 2013 9:20 AM (20 minutes)

Presenter: Prof. GALBIATI, Cristiano (Princeton University)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: **378**

Type: **not specified**

CF2 Summary

Saturday, August 3, 2013 9:40 AM (20 minutes)

Presenter: Prof. WILLIAMS, David (U.C. Santa Cruz)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: 379

Type: **not specified**

CF3 Summary

Saturday, August 3, 2013 10:15 AM (20 minutes)

Presenter: Prof. ROSENBERG, Leslie (University of Washington)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: **380**

Type: **not specified**

CF Facilities (Part 1)

Saturday, August 3, 2013 10:35 AM (20 minutes)

Presenter: WITHERELL, Michael (UCSB)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: **381**

Type: **not specified**

CF Facilities (Part 2)

Saturday, August 3, 2013 10:55 AM (20 minutes)

Presenter: Dr BYRUM, karen (argonne national lab)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: **382**

Type: **not specified**

Tough Questions Discussion

Saturday, August 3, 2013 11:15 AM (45 minutes)

Presenter: Prof. FENG, Jonathan (UC Irvine)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: **383**

Type: **not specified**

Telescope Array

Tuesday, July 30, 2013 11:20 AM (20 minutes)

Presenter: Prof. BELZ, John (University of Utah)

Session Classification: Cosmic Frontier

Contribution ID: **384**

Type: **not specified**

Status of Hyper-K R&D and Project

Thursday, August 1, 2013 10:50 AM (15 minutes)

Presenter: Prof. NAKAYA, Tsuyoshi (Kyoto University)

Session Classification: Intensity Frontier

Contribution ID: 385

Type: **not specified**

Public Event: "Physics Slam on Ice"

Friday, August 2, 2013 8:00 PM (45 minutes)

Presenters: CRANMER, Kyle; Prof. MESSIER, Mark (Indiana University); DEMERS, Sarah (Yale); Dr HENDERSON, Stuart (Fermilab); Prof. TAIT, Tim (UC Irvine); SAVINOV, Vladimir

Session Classification: Public Event: "Physics Slam on Ice"

Contribution ID: **386**

Type: **not specified**

Public Event: "Physics Slam on Ice"

Friday, August 2, 2013 9:00 PM (30 minutes)

Presenters: CRANMER, Kyle; Prof. MESSIER, Mark (Indiana University); DEMERS, Sarah (Yale); Dr HENDERSON, Stuart (Fermilab); Prof. TAIT, Tim (UC Irvine); SAVINOV, Vladimir

Session Classification: Public Event: "Physics Slam on Ice"

Contribution ID: **387**

Type: **not specified**

Energy Frontier Parallel: Higgs: Coupling and width discussion

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Presenters: QIAN, Jianming (University of Michigan); Prof. VAN KOOTEN, Rick (Indiana University)

Session Classification: Energy Frontier Parallel

Contribution ID: **388**

Type: **not specified**

Energy Frontier Parallel: Higgs: Discussion of Double Higgs Production

Friday, August 2, 2013 9:00 AM (1 hour)

Presenter: LOGAN, Heather (Carleton University)

Session Classification: Energy Frontier Parallel

Contribution ID: **389**

Type: **not specified**

Energy Frontier Parallel: Higgs: Discussion of Higgs Spin/Mass

Friday, August 2, 2013 10:00 AM (1 hour)

Presenter: Prof. GRITSAN, Andrei (Johns Hopkins University)

Session Classification: Energy Frontier Parallel

Contribution ID: 390

Type: **not specified**

Energy Frontier Parallel: Higgs: Discussion of BSM

Friday, August 2, 2013 11:00 AM (1 hour)

Presenter: DAWSON, Sally

Session Classification: Energy Frontier Parallel

Contribution ID: 391

Type: **not specified**

Energy Frontier Parallel: Higgs: Group Discussion with Michael and Chip

Saturday, August 3, 2013 8:30 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: 392

Type: **not specified**

Energy Frontier Parallel: Higgs: Group Work

Saturday, August 3, 2013 9:30 AM (2h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 393

Type: **not specified**

Energy Frontier Parallel: Electroweak: Joint session with Higgs, Higgs coupling discussion

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Energy Frontier Parallel

Contribution ID: 394

Type: **not specified**

Energy Frontier Parallel: Electroweak: Multi-boson processes

Friday, August 2, 2013 8:30 AM (1h 30m)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Energy Frontier Parallel

Contribution ID: 395

Type: **not specified**

Energy Frontier Parallel: Electroweak: Precision Observables

Friday, August 2, 2013 10:00 AM (1h 30m)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Energy Frontier Parallel

Contribution ID: 396

Type: **not specified**

Energy Frontier Parallel: Electroweak: Group work and QCD discussion

Saturday, August 3, 2013 8:30 AM (2h 30m)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Energy Frontier Parallel

Contribution ID: 397

Type: **not specified**

Energy Frontier Parallel: Electroweak: Group Discussion with Michael and Chip

Saturday, August 3, 2013 11:00 AM (1 hour)

Presenters: Prof. KOTWAL, Ashutosh (Duke University); Prof. WACKEROTH, Doreen (University at Buffalo, SUNY)

Session Classification: Energy Frontier Parallel

Contribution ID: 398

Type: **not specified**

Energy Frontier Parallel: Top: Contributed Talks, $t\bar{t}$ resonances; single top and $t\bar{t}H$

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Vidyo connection: room 10493858,

<https://vidyoportal.cern.ch/flex.html?roomdirect.html&key=VqXfSjjiMc7L>

Presenters: Prof. AGASHE, Kaustubh (University of Maryland); SCHWIENHORST, Reinhard (Michigan State University)

Session Classification: Energy Frontier Parallel

Contribution ID: **399**

Type: **not specified**

Energy Frontier Parallel: Top: General Discussion

Friday, August 2, 2013 8:30 AM (2h 30m)

Vidyo connection: room 10493858,

<https://vidyoportal.cern.ch/flex.html?roomdirect.html&key=VqXfSjjiMc7L>

Presenters: MELNIKOV, K; Prof. ERBACHER, Robin (UC Davis)

Session Classification: Energy Frontier Parallel

Contribution ID: 400

Type: **not specified**

Energy Frontier Parallel: Top: Overflow talks and discussions

Saturday, August 3, 2013 9:00 AM (3 hours)

Vidyo connection: room 10493858,

<https://vidyoportal.cern.ch/flex.html?roomdirect.html&key=VqXfSjjiMc7L>

Presenters: Prof. GERBER, Cecilia (UIC); SCHWIENHORST, Reinhard (Michigan State University)

Session Classification: Energy Frontier Parallel

Contribution ID: **401**

Type: **not specified**

Energy Frontier Parallel: Top: Meet with Peskin and Brock

Friday, August 2, 2013 11:00 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: **402**

Type: **not specified**

Energy Frontier Parallel: QCD: Meet with Peskin and Brock

Friday, August 2, 2013 10:00 AM (1 hour)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Session Classification: Energy Frontier Parallel

Contribution ID: 403

Type: **not specified**

Energy Frontier Parallel: New Particles, Forces, and Dimensions: Discussion: overlap session with CF, IF (NP report)

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 404

Type: **not specified**

Energy Frontier Parallel: New Particles, Forces, and Dimensions: Discussion

Friday, August 2, 2013 8:30 AM (3h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 405

Type: **not specified**

Energy Frontier Parallel: New Particles, Forces, and Dimensions: Discussion: Public response to input on NP report

Saturday, August 3, 2013 8:30 AM (1h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 406

Type: **not specified**

Energy Frontier Parallel: New Particles, Forces, and Dimensions: Meet with Peskin and Brock

Saturday, August 3, 2013 10:00 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: 407

Type: **not specified**

Energy Frontier Parallel: New Particles, Forces, and Dimensions: Discussion

Saturday, August 3, 2013 11:00 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: **408**

Type: **not specified**

Energy Frontier Parallel: Flavor: Discussion

Wednesday, July 31, 2013 8:30 AM (1h 30m)

Presenter: SONI, amarjit (BNL)

Session Classification: Energy Frontier Parallel

Contribution ID: 409

Type: **not specified**

Energy Frontier Parallel: Flavor: Meet with Peskin and Brock

Friday, August 2, 2013 8:30 AM (1 hour)

Session Classification: Energy Frontier Parallel

Contribution ID: **410**

Type: **not specified**

Energy Frontier Parallel: Flavor: Discussion

Friday, August 2, 2013 9:30 AM (2h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 411

Type: **not specified**

Energy Frontier Parallel: Flavor: Discussion

Saturday, August 3, 2013 8:30 AM (3h 30m)

Session Classification: Energy Frontier Parallel

Contribution ID: 412

Type: **not specified**

Instrumentation Frontier: Joint session: Detector challenges for e+e-

Thursday, August 1, 2013 8:40 AM (20 minutes)

Presenter: STANITZKI, Marcel

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 413

Type: **not specified**

Instrumentation Frontier: Joint session: Detector challenges for $\mu^+\mu^-$

Thursday, August 1, 2013 9:00 AM (20 minutes)

Presenter: Dr MAZZACANE, Anna (Fermilab)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 414

Type: **not specified**

Instrumentation Frontier: Joint session: E summary paper & detector challenges for Hadron Collider Issues

Thursday, August 1, 2013 9:20 AM (20 minutes)

Presenter: Prof. HEINTZ, Ulrich (Brown University)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 415

Type: **not specified**

Instrumentation Frontier: Joint session: Discussion

Thursday, August 1, 2013 9:40 AM (50 minutes)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 416

Type: **not specified**

Instrumentation Frontier Parallel: Synthesis Talk: Mechanics and Power

Thursday, August 1, 2013 11:30 AM (1 hour)

Presenter: Dr HABER, Carl (Lawrence Berkeley National Lab)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: 417

Type: **not specified**

Instrumentation Frontier Parallel: Continued Discussion

Thursday, August 1, 2013 11:00 AM (30 minutes)

Session Classification: Instrumentation Frontier Parallel: Energy Frontier Joint Meeting

Contribution ID: **418**

Type: **not specified**

Cosmic Frontier: CF Plenary: [Coffee Break]

Saturday, August 3, 2013 10:00 AM (15 minutes)

Session Classification: Cosmic Frontier: CF Plenary: Dark Matter (CF1-CF4)

Contribution ID: 419

Type: **not specified**

Welcome, Goals, Plans for the Week

Wednesday, July 31, 2013 9:00 AM (15 minutes)

Presenter: Prof. JAROS, John (SLAC National Accelerator Laboratory)

Session Classification: Intensity Frontier

Contribution ID: 420

Type: **not specified**

Motivating Searches for Hidden Sector Particles in the next Decade

Wednesday, July 31, 2013 8:30 AM (30 minutes)

Presenter: SCHUSTER, Philip

Session Classification: Intensity Frontier

Contribution ID: 421

Type: **not specified**

Extending the Reach of Fixed Target Experiments

Wednesday, July 31, 2013 9:15 AM (15 minutes)

Presenter: SCHUSTER, Philip

Session Classification: Intensity Frontier

Contribution ID: 422

Type: **not specified**

Thoughts on Future Heavy Photon Searches

Wednesday, July 31, 2013 9:30 AM (25 minutes)

Presenter: NELSON, Tim (SLAC)

Session Classification: Intensity Frontier

Contribution ID: 423

Type: **not specified**

Reach Estimates for Future Searches

Wednesday, July 31, 2013 9:55 AM (25 minutes)

Presenter: GRAHAM, Mathew (SLAC)

Session Classification: Intensity Frontier

Contribution ID: 424

Type: **not specified**

DarkLight Upgrades

Wednesday, July 31, 2013 10:35 AM (25 minutes)

Presenter: COWAN, Ray

Session Classification: Intensity Frontier

Contribution ID: 425

Type: **not specified**

Hidden Sector Searches at the LHC

Wednesday, July 31, 2013 11:00 AM (25 minutes)

Presenter: HAAS, Andrew (NYU)

Session Classification: Intensity Frontier

Contribution ID: 426

Type: **not specified**

Discussion: New Approaches for A' Searches

Wednesday, July 31, 2013 11:25 AM (35 minutes)

Session Classification: Intensity Frontier

Contribution ID: 427

Type: **not specified**

Searching for light dark matter and other hidden sector particles

Thursday, August 1, 2013 8:30 AM (15 minutes)

Presenter: SCHUSTER, Philip

Session Classification: Intensity Frontier

Contribution ID: 428

Type: **not specified**

Next generation e-- beam dump searches

Thursday, August 1, 2013 8:45 AM (25 minutes)

Presenter: Dr KRNJAIC, Gordan (Johns Hopkins, Fermilab)

Session Classification: Intensity Frontier

Contribution ID: **429**

Type: **not specified**

Next generation proton beam dump searches

Thursday, August 1, 2013 9:10 AM (25 minutes)

Presenter: BATELL, Brian (Perimeter Institute)

Session Classification: Intensity Frontier

Contribution ID: 430

Type: **not specified**

Next searches with e+e- colliding beams

Thursday, August 1, 2013 9:35 AM (25 minutes)

Presenter: ECHENARD, Bertrand (Caltech)

Session Classification: Intensity Frontier

Contribution ID: 431

Type: **not specified**

Next generation $e+e^-$ searches for light Dark Matter

Thursday, August 1, 2013 10:00 AM (10 minutes)

Presenter: Prof. ESSIG, Rouven (Stony Brook University)

Session Classification: Intensity Frontier

Contribution ID: 432

Type: **not specified**

New Hidden Sector Particle Searches

Thursday, August 1, 2013 10:10 AM (25 minutes)

Presenter: Prof. GERSHTEIN, Yuri (Rutgers University)

Session Classification: Intensity Frontier

Contribution ID: 433

Type: **not specified**

Preview of Rouven's NLWCP Colloquium & Discussion

Thursday, August 1, 2013 10:50 AM (30 minutes)

Session Classification: Intensity Frontier

Contribution ID: 434

Type: **not specified**

Preview of William's NLWCP Colloquium & Discussion

Thursday, August 1, 2013 11:20 AM (30 minutes)

Session Classification: Intensity Frontier

Contribution ID: 435

Type: **not specified**

Laser experiments

Friday, August 2, 2013 8:30 AM (20 minutes)

Presenter: Dr WESTER, William (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: 436

Type: **not specified**

IAXO Helioscope

Friday, August 2, 2013 8:50 AM (25 minutes)

Presenter: PIVOVAROFF, Michael

Session Classification: Intensity Frontier

Contribution ID: 437

Type: **not specified**

Chameleons

Friday, August 2, 2013 9:15 AM (35 minutes)

Presenter: Dr UPADHYE, Amol (Argonne National Lab)

Session Classification: Intensity Frontier

Contribution ID: 438

Type: **not specified**

CHEX, chameleon search at Jlab

Friday, August 2, 2013 9:50 AM (20 minutes)

Presenter: BOYCE, Jim

Session Classification: Intensity Frontier

Contribution ID: 439

Type: **not specified**

Discussion: What new technologies/facilities are needed for future hidden sector searches?

Friday, August 2, 2013 10:30 AM (30 minutes)

Presenter: HETZIKOUTELIS, Athanasios (Univ of Tennessee)

Session Classification: Intensity Frontier

Contribution ID: 440

Type: **not specified**

Final Discussion, conclusions and writing assignments

Friday, August 2, 2013 11:00 AM (1 hour)

Session Classification: Intensity Frontier

Contribution ID: 441

Type: **not specified**

Video Project Announcement

Monday, July 29, 2013 10:30 AM (1 minute)

Session Classification: Opening Plenary Session

Contribution ID: 442

Type: **not specified**

Affleck-Dine Baryogenesis

Friday, August 2, 2013 8:00 AM (20 minutes)

Presenter: Prof. DINE, Michael (UCSC)

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 443

Type: **not specified**

Future Higgs Physics Potential at the LHC with ATLAS and CMS

Wednesday, July 31, 2013 11:00 AM (30 minutes)

Presenter: Prof. KLUTE, Markus (MIT)

Session Classification: Energy Frontier Plenary

Contribution ID: 444

Type: **not specified**

Future Searches for New Physics at the LHC with ATLAS and CMS

Wednesday, July 31, 2013 10:30 AM (30 minutes)

Presenter: Prof. HEINEMANN, Beate (UC Berkeley)

Session Classification: Energy Frontier Plenary

Contribution ID: 445

Type: **not specified**

Questions and Discussion

Wednesday, July 31, 2013 11:30 AM (30 minutes)

Presenter: Prof. BROCK, Raymond (Michigan State University)

Session Classification: Energy Frontier Plenary

Contribution ID: 446

Type: **not specified**

Quark Flavor/Charged Leptons Joint - SuperKEKB/Belle I and the J-PARC physics program

Wednesday, July 31, 2013 8:30 AM (50 minutes)

Presenter: YAMAUCHI, Masanori (KEK)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 447

Type: **not specified**

Quark Flavor/Charged Leptons Joint: LHCb and the LHCb Upgrade

Wednesday, July 31, 2013 9:20 AM (30 minutes)

Presenter: JAWAHERY, Abolhassan (University of Maryland)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 448

Type: **not specified**

Belle II: Physics and Organization

Wednesday, July 31, 2013 10:30 AM (30 minutes)

Presenter: BROWDER, Thomas (University of Hawaii)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 449

Type: **not specified**

Belle II: U.S. Belle II Project

Wednesday, July 31, 2013 11:00 AM (20 minutes)

Presenter: FAST, James (Pacific Northwest National Laboratory)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 450

Type: **not specified**

Belle II: (US Role) in Belle II Computing

Wednesday, July 31, 2013 11:20 AM (20 minutes)

Presenter: Dr ASNER, David (Pacific Northwest National Laboratory)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 451

Type: **not specified**

Belle II: Panel Q&A

Wednesday, July 31, 2013 11:40 AM (20 minutes)

Presenters: Dr ASNER, David (Pacific Northwest National Laboratory); FAST, James (Pacific Northwest National Laboratory); YAMAUCHI, Masanori (KEK); BROWDER, Thomas (University of Hawaii)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 452

Type: **not specified**

ORKA: Probing New Physics

Friday, August 2, 2013 9:00 AM (30 minutes)

Presenter: WORCESTER, Elizabeth (BNL)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 453

Type: **not specified**

ORKA: R&D Priorities and Opportunities

Friday, August 2, 2013 9:30 AM (15 minutes)

Presenter: KETTELL, Steve (BNL)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 454

Type: **not specified**

ORKA: Discussion

Friday, August 2, 2013 9:45 AM (15 minutes)

Presenters: Dr TSCHIRHART, Robert (Fermilab); KETTELL, Steve (BNL)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 455

Type: **not specified**

Discussion points

Tuesday, July 30, 2013 12:00 PM (20 minutes)

Presenter: YURKEWICZ, Katie (Fermilab)

Session Classification: Communication, Education and Outreach

Contribution ID: 456

Type: **not specified**

Joint Quark Flavor/Instrumentation: SiPM technology for high-rate intensity frontier experiments

Friday, August 2, 2013 10:30 AM (30 minutes)

Presenter: PARA, Adam (Fermilab)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 457

Type: **not specified**

Joint Quark Flavor/Instrumentation: Crystal calorimetry for high-rate intensity frontier experiments

Friday, August 2, 2013 11:00 AM (30 minutes)

Presenter: Dr ZHU, Ren-yuan (Caltech)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 458

Type: **not specified**

Joint Quark Flavor/Instrumentation: Discussion

Friday, August 2, 2013 11:30 AM (30 minutes)

Session Classification: Intensity Frontier: Quark Flavor Physics

Contribution ID: 459

Type: **not specified**

mu to e gamma at Project X

Friday, August 2, 2013 9:00 AM (30 minutes)

Presenter: Dr CHENG, Chih-hsiang (Caltech)

Session Classification: Intensity Frontier: mu to e gamma and mu to 3 e

Contribution ID: 460

Type: **not specified**

μ to $3e$ at Project X

Friday, August 2, 2013 9:30 AM (30 minutes)

Presenter: ECHENARD, Bertrand (Caltech)

Session Classification: Intensity Frontier: μ to e gamma and μ to $3e$

Contribution ID: 461

Type: **not specified**

Another approach to mu to e gamma

Friday, August 2, 2013 10:00 AM (30 minutes)

Presenter: Prof. GRANCAGNOLO, Franco (Lecce)

Session Classification: Intensity Frontier: mu to e gamma and mu to 3 e

Contribution ID: 462

Type: **not specified**

Discussion

Friday, August 2, 2013 11:00 AM (30 minutes)

Session Classification: Intensity Frontier: μ to e gamma and μ to $3e$

Contribution ID: 463

Type: **not specified**

Surface Muon Beams at PSI

Saturday, August 3, 2013 8:30 AM (30 minutes)

Presenter: Dr WINTER, Peter (Argonne National Laboratory)

Session Classification: Intensity Frontier: mu to e gamma and mu to 3 e

Contribution ID: 464

Type: **not specified**

Energy Frontier Parallel: QCD: ATLAS jet and ETMiss performance under HL-LHC conditions

Saturday, August 3, 2013 8:30 AM (30 minutes)

Vidyo connection:

<http://vidyoportal.cern.ch/flex.html?roomdirect.html&key=mhrI5BHkDY8A>

Pileup effect on jet calibration and response at high μ :

<https://twiki.cern.ch/twiki/bin/view/AtlasPublic/JetEtmissApproved2013HighMuPileup>

Pileup jets and suppression at high μ :

<https://twiki.cern.ch/twiki/bin/view/AtlasPublic/JetEtmissApproved2013HighMuJets>

Pileup effects on jet substructure at high μ :

<https://twiki.cern.ch/twiki/bin/view/AtlasPublic/JetEtmissApproved2013HighMuSubstructure>

Pileup effects on missing ET scale and resolution at high μ :

<https://twiki.cern.ch/twiki/bin/view/AtlasPublic/JetEtmissApproved2013HighMuEtmiss>

Presenter: Dr SCHWARTZMAN, Ariel

Session Classification: Energy Frontier Parallel

Contribution ID: 465

Type: **not specified**

Surface muon beam at Project X

Saturday, August 3, 2013 9:00 AM (30 minutes)

Presenter: PLUNKETT, Robert (Fermilab)

Session Classification: Intensity Frontier: mu to e gamma and mu to 3 e

Contribution ID: 466

Type: **not specified**

Discussion

Saturday, August 3, 2013 9:30 AM (30 minutes)

Session Classification: Intensity Frontier: mu to e gamma and mu to 3 e

Contribution ID: 467

Type: **not specified**

nuSTORM Primer

Wednesday, July 31, 2013 6:00 PM (20 minutes)

Presenter: Prof. BROSS, Alan (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: 468

Type: **not specified**

Sterile Neutrinos: Context and Capability

Wednesday, July 31, 2013 6:20 PM (15 minutes)

Presenter: Prof. LINK, Jonathan Link (Virginia Tech)

Session Classification: Intensity Frontier

Contribution ID: 469

Type: **not specified**

Cross Sections: Context and Capability

Wednesday, July 31, 2013 6:35 PM (15 minutes)

Presenter: MORFIN, Jorge G. (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: 470

Type: **not specified**

nuSTORM at CERN

Wednesday, July 31, 2013 6:50 PM (10 minutes)

Presenter: Prof. LONG, Kenneth (Imperial College London)

Session Classification: Intensity Frontier

Contribution ID: 471

Type: **not specified**

Physics of the Muon Machines Beyond nuSTORM

Wednesday, July 31, 2013 7:00 PM (20 minutes)

Presenter: Dr EICHTEN, Estia (Fermilab)

Session Classification: Intensity Frontier

Contribution ID: 472

Type: **not specified**

Discussion

Wednesday, July 31, 2013 7:20 PM (10 minutes)

Session Classification: Intensity Frontier

Contribution ID: 473

Type: **not specified**

CF1 Instrumentation R&D

Wednesday, July 31, 2013 8:30 AM (20 minutes)

Session Classification: Instrumentation Frontier Parallel: Cosmic Frontier Joint Meeting

Contribution ID: 474

Type: **not specified**

Energy Frontier Parallel: Higgs: Discussion of Lattice uncertainties on α_s and m_b

Friday, August 2, 2013 8:30 AM (30 minutes)

Presenter: MACKENZIE, Paul (Fermilab)

Session Classification: Energy Frontier Parallel

Contribution ID: 475

Type: **not specified**

Novel symmetry breaking & formal issues

Friday, August 2, 2013 8:20 AM (20 minutes)

Presenter: Prof. PATEL, Hiren (University of Wisconsin)

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 476

Type: **not specified**

MSSM baryogenesis & EDMs

Friday, August 2, 2013 8:40 AM (20 minutes)

Presenter: Mr KOZACZUK, Jonathan (UCSC)

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 477

Type: **not specified**

Transport Theory for Electroweak Baryogenesis and Leptogenesis

Friday, August 2, 2013 9:00 AM (20 minutes)

Presenter: Prof. MICHAEL, Ramsey-Musolf (Department of Physics, University of Wisconsin-Madison)

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 478

Type: **not specified**

Leptogenesis

Friday, August 2, 2013 9:20 AM (20 minutes)

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

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 479

Type: **not specified**

Discussion of 3 frontier relevant experiments for baryogenesis

Friday, August 2, 2013 9:40 AM (20 minutes)

Presenter: Prof. NELSON, Ann (University of Washington)

Session Classification: Joint Meeting: Intensity, Cosmic, and Energy Frontiers: Origin of the Cosmological Matter-Anti Matter Asymmetry

Contribution ID: 480

Type: **not specified**

computational accelerator science needs towards laser-plasma accelerators for future colliders and DOE-HEP accelerator modeling activities

Wednesday, July 31, 2013 8:30 AM (45 minutes)

Presenter: Dr GEDDES, Cameron (LBNL)

Session Classification: Computing Frontier: accelerator science

Contribution ID: **481**

Type: **not specified**

modeling of dielectric accelerator

Wednesday, July 31, 2013 9:15 AM (45 minutes)

Presenter: Prof. CARY, John

Session Classification: Computing Frontier: accelerator science

Contribution ID: 482

Type: **not specified**

research and development needs in computational accelerator science for the intensity frontier

Wednesday, July 31, 2013 10:00 AM (45 minutes)

Presenter: Dr AMUNDSON, James

Session Classification: Computing Frontier: accelerator science

Contribution ID: **483**

Type: **not specified**

MAP

Wednesday, July 31, 2013 10:45 AM (45 minutes)

Presenter: Dr RYNE, Robert

Session Classification: Computing Frontier: accelerator science

Contribution ID: 484

Type: **not specified**

What can be learned from surveying the sky?

Thursday, August 1, 2013 1:45 PM (5 minutes)

Presenter: Dr DODELSON, Scott (Fermilab)

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: 485

Type: **not specified**

Tough Questions and Discussion

Thursday, August 1, 2013 2:30 PM (30 minutes)

Presenters: TOLLEY, Andrew; EISENSTEIN, Daniel; WECHSLER, Risa; Prof. KAHN, Steven (SLAC National Accelerator Laboratory)

Session Classification: Colloquium: Cosmic surveys - Dark energy, inflation, neutrinos, etc.

Contribution ID: **486**

Type: **not specified**

Summary writing

Thursday, August 1, 2013 9:00 AM (2 hours)

Presenter: ALL

Session Classification: Computing Frontier: accelerator science

Contribution ID: **487**

Type: **not specified**

ANSE status update

Wednesday, July 31, 2013 3:00 PM (30 minutes)

Presenter: NEWMAN, Harvey (Caltech)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: **488**

Type: **not specified**

View from CMS

Wednesday, July 31, 2013 3:30 PM (20 minutes)

Presenter: WILDISH, Tony (Princeton University)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: **489**

Type: **not specified**

View from ATLAS

Wednesday, July 31, 2013 3:50 PM (20 minutes)

Presenter: DE, Kaushik (University of Texas at Arlington)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: 490

Type: **not specified**

LHCONE, DYNES and other related projects

Wednesday, July 31, 2013 4:10 PM (20 minutes)

Presenter: BARCZYK, Artur (Caltech)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: 491

Type: **not specified**

Welcome and Introduction

Tuesday, July 30, 2013 4:30 PM (30 minutes)

Presenter: NEWMAN, Harvey (Caltech)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: 492

Type: **not specified**

PhEDEx update

Tuesday, July 30, 2013 5:00 PM (45 minutes)

Presenter: WILDISH, Tony (Princeton University)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: 493

Type: **not specified**

PanDA update

Tuesday, July 30, 2013 5:45 PM (45 minutes)

Presenter: DE, Kaushik (University of Texas at Arlington)

Session Classification: Advanced Network Services for Experiments (ANSE) project

Contribution ID: 494

Type: **not specified**

Instrumentation Frontier: Welcome, goals of E.T. subgroup

Friday, August 2, 2013 8:30 AM (5 minutes)

Presenter: ALEXANDER, Jim (Cornell University)

Session Classification: Instrumentation Frontier

Contribution ID: 495

Type: **not specified**

Instrumentation Frontier: Search for Neutrinoless Double-Beta Decay Using Fast Photo-Detectors and Quantum-Dot-Doped Scintillators

Friday, August 2, 2013 8:35 AM (20 minutes)

Presenter: ELAGIN, Andrey (University of Chicago)

Session Classification: Instrumentation Frontier

Contribution ID: 496

Type: **not specified**

Instrumentation Frontier: Amorphous/Nanocrystalline Silicon Thin Films for Particle Detectors

Friday, August 2, 2013 8:55 AM (20 minutes)

Presenter: KAKALIOS, Jim

Session Classification: Instrumentation Frontier

Contribution ID: 497

Type: **not specified**

Instrumentation Frontier: Atomic Layer Deposition for High Energy Physics - Lessons and Opportunities

Friday, August 2, 2013 9:15 AM (20 minutes)

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

Session Classification: Instrumentation Frontier

Contribution ID: 498

Type: **not specified**

Instrumentation Frontier: Multichroic CCDs

Presenter: KENNEY, Chris (SLAC)

Contribution ID: 499

Type: **not specified**

Amorphous/Nanocrystalline Silicon Thin Films for Particle Detectors

Presenter: KAKALIOS, Jim (University of Minnesota)

Contribution ID: 500

Type: **not specified**

Atomic Layer Deposition for High Energy Physics - Lessons and Opportunities

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

Contribution ID: **501**

Type: **not specified**

Instrumentation Frontier: MEMS Technology for Radiation Sensors

Friday, August 2, 2013 9:35 AM (25 minutes)

Presenter: KENNEY, Chris (SLAC)

Session Classification: Instrumentation Frontier

Contribution ID: **502**

Type: **not specified**

CF B and C

Friday, August 2, 2013 11:05 AM (20 minutes)

Presenter: Prof. NELSON, Ann (University of Washington)

Session Classification: Cosmic Frontier

Contribution ID: 503

Type: **not specified**

Tough question discussion

Friday, August 2, 2013 11:25 AM (35 minutes)

Presenters: Prof. NELSON, Ann (University of Washington); Dr SINNIS, Gus (Los Alamos National Laboratory); Prof. BEATTY, James (Ohio State)

Session Classification: Cosmic Frontier

Contribution ID: **504**

Type: **not specified**

CF A

Friday, August 2, 2013 10:00 AM (1h 5m)

Presenters: Dr SINNIS, Gus (Los Alamos National Laboratory); Prof. BEATTY, James (Ohio State)

Session Classification: Cosmic Frontier

Contribution ID: 505

Type: **not specified**

Communication Training

Thursday, August 1, 2013 12:00 PM (20 minutes)

Session Classification: Communication, Education and Outreach

Contribution ID: 506

Type: **not specified**

Communication, Education and Outreach: Panelists

Saturday, August 3, 2013 12:00 PM (1h 45m)

Presenters: Prof. HEWETT, JoAnne (SLAC); Dr BUTLER, Joel (Fermilab); Prof. SPIROPULU, Maria (Caltech); Dr BRICE, Steve (FNAL); Prof. RITZ, Steve (UCSC and SCIPP)

Session Classification: Communication, Education and Outreach

Contribution ID: 507

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Answers to questions

Saturday, August 3, 2013 3:10 PM (15 minutes)

Presenter: Dr PAPUCCI, Michele

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: 508

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Answers to questions

Saturday, August 3, 2013 3:25 PM (15 minutes)

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

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: 509

Type: **not specified**

Colloquium: Quark, Lepton flavor and CP: Answers to questions

Saturday, August 3, 2013 3:40 PM (15 minutes)

Presenter: Prof. RAMSEY-MUSOLF, Michael

Session Classification: Colloquium: Quark, Lepton flavor and CP

Contribution ID: **510**

Type: **not specified**

WG1: Hadron Colliders Report Draft

Saturday, August 3, 2013 9:00 AM (20 minutes)

Presenters: Prof. BATTAGLIA, Marco (UCSC and LBNL); Dr PRESTEMON, Soren (Lawrence Berkeley National Laboratory)

Session Classification: Capabilities Frontier

Contribution ID: 511

Type: **not specified**

WG2: Lepton Colliders Report Draft

Saturday, August 3, 2013 9:20 AM (20 minutes)

Presenters: Dr PALMER, Mark (Fermilab); KLUTE, Markus (MIT)

Session Classification: Capabilities Frontier

Contribution ID: 512

Type: **not specified**

WG3: High Intensity Secondary Beams Driven by Protons Draft Report

Saturday, August 3, 2013 9:40 AM (20 minutes)

Presenter: NAGAITSEV, Sergei (FNAL)

Session Classification: Capabilities Frontier

Contribution ID: 513

Type: **not specified**

WG4: High Intensity Electron and Photon Beams Draft Report

Saturday, August 3, 2013 10:00 AM (20 minutes)

Presenter: Prof. VARNER, Gary (University of Hawaii)

Session Classification: Capabilities Frontier

Contribution ID: 514

Type: **not specified**

WG6: Accelerator Technologies Testbeds and Test Beams Draft Report

Saturday, August 3, 2013 10:20 AM (20 minutes)

Presenters: Prof. HOFFSTAETTER, Georg (Cornell University); Dr SHILTSEV, Vladimir (FNAL)

Session Classification: Capabilities Frontier

Contribution ID: 515

Type: **not specified**

Baryon Number Violation Parallel: Motivation for NNbarX expt

Presenter: SNOW, Mike

Contribution ID: 516

Type: **not specified**

Baryon Number Violation: Detector configuration and options

Presenter: Prof. YOUNG, Albert (North Carolina State University/Triangle Universities Nuclear Laboratory)

Contribution ID: 517

Type: **not specified**

Draft Capabilities Summary

Saturday, August 3, 2013 10:40 AM (20 minutes)

Presenter: Prof. BARLETTA, William (MIT)

Session Classification: Capabilities Frontier

Contribution ID: **518**

Type: **not specified**

Why Particle Physics Matters

Monday, August 5, 2013 8:35 AM (5 minutes)

Presenter: JEPSEN, Kathryn

Session Classification: Summary Plenary

Contribution ID: **519**

Type: **not specified**

Peter Kim

Monday, August 5, 2013 6:00 PM (20 minutes)

Session Classification: PI meetings with agency

Contribution ID: 520

Type: **not specified**

Theory at DOE

Monday, August 5, 2013 6:00 PM (20 minutes)

Presenter: Dr ROLLI, Simona (DOE)

Session Classification: PI meetings with agency

Contribution ID: 521

Type: **not specified**

DOE Program Managers' Meeting with Principal Investigators

Thursday, August 1, 2013 6:00 PM (20 minutes)

Presenter: Dr PATWA, Abid (Department of Energy)

Session Classification: PI meetings with agency