

2017 ICFA Seminar



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome to Canada

Monday, November 6, 2017 8:30 AM (5 minutes)

Presenter: WARBURTON, Andreas (McGill University/IPP)

Session Classification: Opening

Contribution ID: 2

Type: **not specified**

Introduction

Monday, November 6, 2017 8:35 AM (25 minutes)

Presenter: MNICH, Joachim (DESY)

Session Classification: Opening

Contribution ID: 3

Type: **not specified**

Americas Report

Monday, November 6, 2017 9:00 AM (20 minutes)

Presenter: LOCKYER, Nigel (FERMILAB)

Session Classification: Opening

Contribution ID: 4

Type: **not specified**

Asia Report

Monday, November 6, 2017 9:20 AM (20 minutes)

Presenter: HOU, George Wei-Shu (National Taiwan University)

Session Classification: Opening

Contribution ID: 5

Type: **not specified**

Europe Report

Monday, November 6, 2017 9:40 AM (20 minutes)

Presenter: Prof. D'HONDT, Jorgen (Vrije Universiteit Brussel and IHE)

Session Classification: Opening

Contribution ID: 6

Type: **not specified**

Neutrino Theory

Monday, November 6, 2017 10:30 AM (30 minutes)

Presenter: VOLKAS, Raymond (University of Melbourne)

Session Classification: Neutrinos

Contribution ID: 7

Type: **not specified**

Long Baseline Experiments

Monday, November 6, 2017 11:00 AM (30 minutes)

Presenter: Mr SANCHEZ, Federico (IFAE/BIST)

Session Classification: Neutrinos

Contribution ID: 8

Type: **not specified**

Short Baseline Experiments

Monday, November 6, 2017 11:30 AM (30 minutes)

Presenter: FLEMING, Bonnie (Yale University)

Session Classification: Neutrinos

Contribution ID: 9

Type: **not specified**

Neutrinoless Double Beta Decay and Mass Scale

Monday, November 6, 2017 12:00 PM (30 minutes)

Presenter: INOUE, Kunio (Tohoku University)

Session Classification: Neutrinos

Contribution ID: **10**

Type: **not specified**

Dark Matter Theory

Monday, November 6, 2017 1:30 PM (30 minutes)

Presenter: SLATYER, Tracy (Massachusetts Institute of Technology)

Session Classification: Dark Matter

Contribution ID: 11

Type: **not specified**

WIMP Dark Matter

Monday, November 6, 2017 2:00 PM (25 minutes)

Presenter: COOLEY, Jodi (SMU)

Session Classification: Dark Matter

Contribution ID: 12

Type: **not specified**

Axion Dark Matter

Monday, November 6, 2017 2:25 PM (25 minutes)

Presenter: YOUN, SungWoo (IBS/CAPP)

Session Classification: Dark Matter

Contribution ID: 13

Type: **not specified**

Dark Photons

Monday, November 6, 2017 2:50 PM (25 minutes)

Presenter: Prof. TORO, Natalia (SLAC National Accelerator Laboratory)

Session Classification: Dark Matter

Contribution ID: 14

Type: **not specified**

Advances in Nuclear Theory

Monday, November 6, 2017 3:45 PM (25 minutes)

Presenter: Dr HOLT, Jason (TRIUMF)

Session Classification: Rare Isotopes

Contribution ID: 15

Type: **not specified**

Nuclear Astrophysics

Monday, November 6, 2017 4:10 PM (25 minutes)

Presenter: Prof. ALIOTTA, Marialuisa (University of Edinburgh)

Session Classification: Rare Isotopes

Contribution ID: 16

Type: **not specified**

Fundamental Symmetries with Rare Isotopes

Monday, November 6, 2017 4:35 PM (25 minutes)

Presenter: Prof. LU, Zheng-Tian (University of Science and Technology of China)

Session Classification: Rare Isotopes

Contribution ID: 17

Type: **not specified**

Trends in Lattice QCD

Tuesday, November 7, 2017 8:30 AM (20 minutes)

Presenter: DETMOLD, William (Massachusetts Institute of Technology)

Session Classification: Quantum Chromodynamics

Contribution ID: **18**

Type: **not specified**

Highlights in Heavy Ion Physics

Tuesday, November 7, 2017 8:50 AM (25 minutes)

Presenter: SALUR, Sevil (Rutgers University)

Session Classification: Quantum Chromodynamics

Contribution ID: **19**

Type: **not specified**

Future of Deep Inelastic Scattering

Tuesday, November 7, 2017 9:15 AM (25 minutes)

Presenter: HORN, Tanja (Catholic University of America)

Session Classification: Quantum Chromodynamics

Contribution ID: 20

Type: **not specified**

Precision QCD Processes at the LHC

Tuesday, November 7, 2017 9:40 AM (20 minutes)

Presenter: ROJO, Juan (Vrije Universiteit Amsterdam/NIKHEF)

Session Classification: Quantum Chromodynamics

Contribution ID: 21

Type: **not specified**

Flavour Theory

Tuesday, November 7, 2017 10:30 AM (30 minutes)

Presenter: Dr KOU, Emi (LAL-IN2P3)

Session Classification: Flavour Physics

Contribution ID: 22

Type: **not specified**

Flavour and Precision at the LHC

Tuesday, November 7, 2017 11:00 AM (25 minutes)

Presenter: WILKINSON, Guy (University of Oxford)

Session Classification: Flavour Physics

Contribution ID: 23

Type: **not specified**

Status and Prospects for SuperKEKB and Belle II

Tuesday, November 7, 2017 11:25 AM (25 minutes)

Presenter: Prof. IJJIMA, Toru (Nagoya University)

Session Classification: Flavour Physics

Contribution ID: 24

Type: **not specified**

Dipole Moments and Lepton Flavour Violation

Tuesday, November 7, 2017 11:50 AM (40 minutes)

Presenter: Dr OOTANI, Wataru (ICEPP, Univ. of Tokyo)

Session Classification: Flavour Physics

Contribution ID: 25

Type: **not specified**

Cosmology Theory

Tuesday, November 7, 2017 1:30 PM (30 minutes)

Presenter: Prof. TRODDEN, Mark (University of Pennsylvania)

Session Classification: Cosmology

Contribution ID: 26

Type: **not specified**

Dark Energy

Tuesday, November 7, 2017 2:00 PM (30 minutes)

Presenter: Prof. LAHAV, Ofer (University College London)

Session Classification: Cosmology

Contribution ID: 27

Type: **not specified**

Cosmic Microwave Background

Tuesday, November 7, 2017 2:30 PM (30 minutes)

Presenter: STAGGS, Suzanne (Princeton University)

Session Classification: Cosmology

Contribution ID: 28

Type: **not specified**

Advanced Accelerators

Tuesday, November 7, 2017 3:30 PM (30 minutes)

Presenter: Dr SPECKA, Arnd (Ecole Polytechnique - CNRS/IN2P3)

Session Classification: New Approaches

Contribution ID: 29

Type: **not specified**

Particle Physics with Table-Top Experiments

Tuesday, November 7, 2017 4:00 PM (30 minutes)

Presenter: Dr ARVANITAKI, Asimina (Perimeter Institute)

Session Classification: New Approaches

Contribution ID: **30**

Type: **not specified**

Quantum Materials

Tuesday, November 7, 2017 4:30 PM (30 minutes)

Presenter: ZUREK, Kathryn (LBNL/Berkeley)

Session Classification: New Approaches

Contribution ID: 31

Type: **not specified**

Higgs and Electroweak Theory

Wednesday, November 8, 2017 8:30 AM (30 minutes)

Presenter: Prof. ZANDERIGHI, Giulia (CERN)

Session Classification: Higgs and Electroweak

Contribution ID: **32**

Type: **not specified**

LHC Higgs

Wednesday, November 8, 2017 9:00 AM (30 minutes)

Presenter: Dr GRAY, Heather (LBNL)

Session Classification: Higgs and Electroweak

Contribution ID: 33

Type: **not specified**

LHC Electroweak

Wednesday, November 8, 2017 9:30 AM (30 minutes)

Presenter: VELASCO, Mayda (Northwestern University)

Session Classification: Higgs and Electroweak

Contribution ID: **34**

Type: **not specified**

Theory in the LHC Era

Wednesday, November 8, 2017 10:30 AM (30 minutes)

Presenter: Prof. FENG, Jonathan (University of California, Irvine)

Session Classification: Energy Frontier

Contribution ID: 35

Type: **not specified**

LHC Searches for Supersymmetry

Wednesday, November 8, 2017 11:00 AM (25 minutes)

Presenter: MELZER-PELLMANN, Isabell (DESY)

Session Classification: Energy Frontier

Contribution ID: 36

Type: **not specified**

LHC Searches for Exotic Phenomena

Wednesday, November 8, 2017 11:25 AM (25 minutes)

Presenter: Prof. ISSEVER, Cigdem (University of Oxford)

Session Classification: Energy Frontier

Contribution ID: 37

Type: **not specified**

Prospects for HL-LHC and HE-LHC

Wednesday, November 8, 2017 11:50 AM (25 minutes)

Presenter: Prof. NARAIN, Meenakshi (Brown University)

Session Classification: Energy Frontier

Contribution ID: **38**

Type: **not specified**

e+e- Theory at Higgs and Top Threshold

Wednesday, November 8, 2017 1:15 PM (20 minutes)

Presenter: PESKIN, Michael (SLAC/Stanford University)

Session Classification: Future Accelerators

Contribution ID: 39

Type: **not specified**

pp Theory at 80-100 TeV

Wednesday, November 8, 2017 1:35 PM (20 minutes)

Presenter: Dr GIUDICE, Gian Francesco (CERN)

Session Classification: Future Accelerators

Contribution ID: 40

Type: **not specified**

ILC Update

Wednesday, November 8, 2017 1:55 PM (20 minutes)

Presenter: Prof. MICHIZONO, Shinichiro (KEK)

Session Classification: Future Accelerators

Contribution ID: 41

Type: **not specified**

CLIC Update

Wednesday, November 8, 2017 2:15 PM (15 minutes)

Presenter: BURROWS, Phil (University of Oxford)

Session Classification: Future Accelerators

Contribution ID: 42

Type: **not specified**

CEPC/SPPC Update

Wednesday, November 8, 2017 2:30 PM (15 minutes)

Presenter: QIN, Qing (IHEP)

Session Classification: Future Accelerators

Contribution ID: 43

Type: **not specified**

FCC-ee/FCC-hh Update

Wednesday, November 8, 2017 2:45 PM (15 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Future Accelerators

Contribution ID: 44

Type: **not specified**

Superconducting RF

Wednesday, November 8, 2017 3:30 PM (30 minutes)

Presenter: Dr GRASSELLINO, Anna (Fermilab)

Session Classification: New Technologies

Contribution ID: 45

Type: **not specified**

High Field Magnets

Wednesday, November 8, 2017 4:00 PM (30 minutes)

Presenter: BORDRY, Frederick (CERN)

Session Classification: New Technologies

Contribution ID: 46

Type: **not specified**

Detector Developments

Wednesday, November 8, 2017 4:30 PM (30 minutes)

Presenter: KAWAGOE, Kiyotomo (Kyushu University)

Session Classification: New Technologies

Contribution ID: 47

Type: **not specified**

Big Data Overview

Monday, November 6, 2017 5:15 PM (30 minutes)

Presenter: COPIC, Kathy (Insight Data)

Session Classification: Applications

Contribution ID: 48

Type: **not specified**

Big Data, Science to Industry

Monday, November 6, 2017 5:45 PM (30 minutes)

Presenter: Dr STRAUSS, Emanuel (Facebook)

Session Classification: Applications

Contribution ID: 49

Type: **not specified**

Medical Isotopes

Tuesday, November 7, 2017 5:15 PM (30 minutes)

Presenter: Dr SCHAFFER, Paul (TRIUMF)

Session Classification: Applications

Contribution ID: 50

Type: **not specified**

Photons for Life Science

Tuesday, November 7, 2017 5:45 PM (30 minutes)

Presenter: SAYERS, Zehra (Sabanci University)

Session Classification: Applications

Contribution ID: 51

Type: **not specified**

Accelerator Applications

Wednesday, November 8, 2017 5:15 PM (30 minutes)

Presenter: Prof. WOMERSLEY, John (European Spallation Source ERIC)

Session Classification: Applications

Contribution ID: 52

Type: **not specified**

Detector++ Applications

Wednesday, November 8, 2017 5:45 PM (30 minutes)

Presenter: Dr DEMARTEAU, Marcel (Argonne National Laboratory)

Session Classification: Applications

Contribution ID: 53

Type: **not specified**

Keynote

Thursday, November 9, 2017 8:30 AM (30 minutes)

Presenter: YOUNG, Kate (Government of Canada - Parliamentary Secretary for Science)

Session Classification: Keynote and Roundtable

Contribution ID: 54

Type: **not specified**

Roundtable

Thursday, November 9, 2017 9:00 AM (1 hour)

Presenters: GIANOTTI, Fabiola (Director General of CERN - European Organization for Nuclear Research, Switzerland); TANGUAY, Genevieve (Vice-President of NRC - National Research Council, Canada); WOMERSLEY, John (Director General of ESS - European Spallation Source, Sweden); WELLS, Paul (Senior Writer, Maclean's magazine); MASANORI, Yamauchi (Director General of KEK - High Energy Accelerator Research Organization, Japan); SAYERS, Zehra (Chair of Scientific Advisory Committee for SESAME - Synchrotron-light for Experimental Science and Applications in the Middle East, Jordan)

Session Classification: Keynote and Roundtable

Contribution ID: 55

Type: **not specified**

Communicator Summary

Thursday, November 9, 2017 10:30 AM (45 minutes)

Presenter: O'NEILL, Ian (Science Communicator, Astroengine)

Session Classification: Closing

Contribution ID: 56

Type: **not specified**

Scientist Summary

Thursday, November 9, 2017 11:15 AM (45 minutes)

Presenter: TAYLOR, Geoffrey (University of Melbourne)

Session Classification: Closing

Contribution ID: 57

Type: **not specified**

Closing

Thursday, November 9, 2017 12:00 PM (15 minutes)

Presenter: Dr BHAT, Pushpalatha (Fermilab)

Session Classification: Closing

Contribution ID: 58

Type: **not specified**

Remarks

Monday, November 6, 2017 7:30 PM (15 minutes)

Presenter: PAYETTE, Julie (Governor General of Canada)

Session Classification: Reception