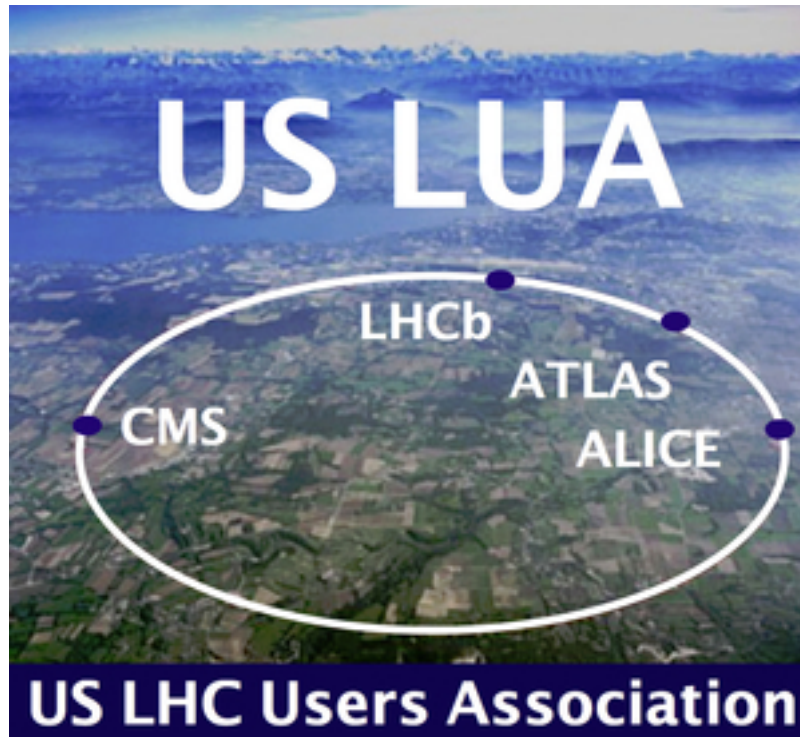


2015 US LHC Users Association Meeting



Report of Contributions

Contribution ID: **0**

Type: **not specified**

Welcome to Fermilab

Thursday, 12 November 2015 09:00 (10 minutes)

Presenter: LOCKYER, Nigel (Fermilab)

Contribution ID: 1

Type: **not specified**

US LUA Chair's Report

Thursday, 12 November 2015 09:10 (30 minutes)

Presenter: NEWMAN, Harvey (Caltech)

Contribution ID: 2

Type: **not specified**

Status and Outlook of the LHC

Thursday, 12 November 2015 09:40 (30 minutes)

Presenter: LAMONT, Mike (CERN)

Contribution ID: **3**

Type: **not specified**

LARP Report

Thursday, 12 November 2015 10:10 (20 minutes)

Presenter: Dr APOLLINARI, Giorgio (Fermilab)

Contribution ID: 4

Type: **not specified**

ATLAS Status and Outlook

Thursday, 12 November 2015 10:50 (30 minutes)

Presenter: HEINEMANN, Beate (University of California Berkeley , LBNL)

Contribution ID: 5

Type: **not specified**

CMS Status and Outlook

Thursday, 12 November 2015 11:20 (30 minutes)

Presenter: Dr D'HONDT, Jorgen (Vrije Universiteit Brussel)

Contribution ID: 6

Type: **not specified**

LHCb Status and Run2 Results

Thursday, 12 November 2015 13:30 (30 minutes)

Presenter: WILLIAMS, Mike (MIT)

Contribution ID: 7

Type: **not specified**

ALICE Status and Run2 Results

Thursday, 12 November 2015 14:00 (30 minutes)

Presenter: RENE, Bellwied (University of Houston)

Contribution ID: **8**

Type: **not specified**

CMS Run2 Results

Thursday, 12 November 2015 15:50 (25 minutes)

Presenter: DISSERTORI, Gunther (Eidgenoessische Tech. Hochschule Zuerich)

Contribution ID: 9

Type: **not specified**

ATLAS Run2 Results

Thursday, 12 November 2015 16:15 (25 minutes)

Presenter: METCALFE, Jessica

Contribution ID: **10**

Type: **not specified**

Supporting Young Physicists

Friday, 13 November 2015 09:10 (25 minutes)

Presenter: Prof. MALLIK, Usha (The University of Iowa)

Contribution ID: **11**

Type: **not specified**

DOE Office of HEP Report

Thursday, 12 November 2015 16:40 (25 minutes)

Presenter: Dr ROLLI, Simona (DOE)

Contribution ID: 13

Type: **not specified**

DOE Office of NP Report

Thursday, 12 November 2015 17:05 (25 minutes)

Presenter: HALLMAN, Tim

Contribution ID: 14

Type: **not specified**

Careers Session (Panel, Q&A)

Thursday, 12 November 2015 17:45 (1h 30m)

Panel discussion moderated by Toyoko Orimoto.

Panelists: Ben Auerbach, Alexandra Carley Bennett, Thomas Gadfort, Jennifer Gimmell

Presenters: BENNETT, Alexandra Carley; AUERBACH, Ben; GIMMELL, Jennifer; Mr GADFORT, Thomas (Fermilab); ORIMOTO, Toyoko (Northeastern University)

Contribution ID: 15

Type: **not specified**

Introduction; 2015 Trip to Washington

Friday, 13 November 2015 08:45 (25 minutes)

Presenter: NEWMAN, Harvey (Caltech)

Contribution ID: 17

Type: **not specified**

US-CERN Relations and the LHC Program

Friday, 13 November 2015 11:10 (25 minutes)

Presenter: Dr VOSS, Ruediger (CERN)

Contribution ID: **18**

Type: **not specified**

Advisory Committee of CERN Users

Friday, 13 November 2015 11:35 (20 minutes)

Presenter: TORRENCE, Eric (University of Oregon)

Contribution ID: **20**

Type: **not specified**

Lightning Round Winners Announcement

Friday, 13 November 2015 17:15 (10 minutes)

Contribution ID: 21

Type: **not specified**

Q&A and Discussion of US LHC Community Issues and US LUA

Friday, 13 November 2015 17:25 (1 hour)

Contribution ID: 22

Type: **not specified**

US LUEC Committee Reports (Committee Chairs)

Friday, 13 November 2015 13:55 (25 minutes)

Contribution ID: 23

Type: **not specified**

US HEP Program and Outlook

Thursday, 12 November 2015 11:50 (30 minutes)

Presenter: LOCKYER, Nigel (Fermilab)

Contribution ID: 24

Type: **not specified**

P5 Plan: Progress and Visibility

Thursday, 12 November 2015 17:30 (15 minutes)

Presenter: Prof. RITZ, Steve (UCSC and SCIPP)

Contribution ID: 25

Type: **not specified**

Fast tracking in the ATLAS Trigger: Why and How

Thursday, 12 November 2015 14:30 (12 minutes)

Presenter: SAXON, James (University of Chicago / ATLAS)

Session Classification: Young Physicists' Lightning Round Session 1

Contribution ID: 28

Type: **not specified**

Exciting opportunities in a boosted hadronic diboson excess

Thursday, 12 November 2015 14:54 (12 minutes)

Presenter: ZHEN, Liu (Fermilab)

Session Classification: Young Physicists' Lightning Round Session 1

Contribution ID: **30**

Type: **not specified**

Higgs Decays to New Light Higgs Bosons in Boosted Tau Final States

Thursday, 12 November 2015 14:42 (12 minutes)

Presenter: RICCI-TAM, Francesca (University of California, Davis)

Session Classification: Young Physicists' Lightning Round Session 1

Contribution ID: 31

Type: **not specified**

Exotic Higgs Decays: LHC Reach and Theoretical Constraints

Thursday, 12 November 2015 15:18 (12 minutes)

Presenter: KLING, Felix (Arizona / Fermilab)

Session Classification: Young Physicists' Lightning Round Session 1

Contribution ID: 32

Type: **not specified**

Search for Higgs bosons decaying to aa in the $\mu\mu\tau\tau$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS Experiment

Thursday, 12 November 2015 15:06 (12 minutes)

Presenter: KAPLAN, Benjamin (New York University)

Session Classification: Young Physicists' Lightning Round Session 1

Contribution ID: 33

Type: **not specified**

Polyurethane spray coating of aluminum wire bonds to prevent corrosion and suppress resonant oscillations

Friday, 13 November 2015 09:35 (12 minutes)

Presenter: KURTH, Matthew (University of Texas at Dallas)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: 34

Type: **not specified**

Measuring $R(D^*) = B(B \rightarrow D^* \tau \nu) / B(B \rightarrow D^* \mu \nu)$ at LHCb

Friday, 13 November 2015 09:47 (12 minutes)

Presenter: WIMBERLEY, Jack (University of Maryland)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: 35

Type: **not specified**

Pentaquarks at LHCb

Friday, 13 November 2015 09:59 (12 minutes)

Presenter: JURIK, Nathan (Syracuse University)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: 36

Type: **not specified**

Top quark-antiquark cross section from highly Lorentz-boosted jets

Friday, 13 November 2015 10:11 (12 minutes)

Presenter: ALYARI, Maral (State University of New York)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: 37

Type: **not specified**

Search for evidence of new physics in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC

Friday, 13 November 2015 10:23 (12 minutes)

Presenter: AMADIO, Brian (Lawrence Berkeley National Laboratory)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: **38**

Type: **not specified**

Associative Memory Based L1 Tracking Trigger Demonstration for CMS Phase II Upgrade

Friday, 13 November 2015 10:35 (12 minutes)

Presenter: HU, Zhen (Fermilab)

Session Classification: Young Physicists' Lightning Round Session 2

Contribution ID: 39

Type: **not specified**

ATLAS Trigger Operation in Run 2

Friday, 13 November 2015 11:55 (12 minutes)

Presenter: BERNIUS, Catrin (New York University)

Session Classification: Young Physicists' Lightning Round Session 3

Contribution ID: 40

Type: **not specified**

Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 13$ TeV with the ATLAS detector at the LHC

Friday, 13 November 2015 12:07 (12 minutes)

Presenter: AXEN, Brad (University of California, Berkeley)

Session Classification: Young Physicists' Lightning Round Session 3

Contribution ID: 41

Type: **not specified**

Measurement of the top-Higgs coupling at CMS as a possible window to new physics

Friday, 13 November 2015 12:19 (12 minutes)

Presenter: WOLFE, Evan (University of Virginia)

Session Classification: Young Physicists' Lightning Round Session 3

Contribution ID: 42

Type: **not specified**

Combined measurement of the Higgs Boson mass in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV with the ATLAS and CMS experiments

Friday, 13 November 2015 12:31 (12 minutes)

Presenter: YANG, Hongtao (University of Wisconsin-Madison)

Session Classification: Young Physicists' Lightning Round Session 3

Contribution ID: 43

Type: **not specified**

Strangeness production in small collision systems at the LHC

Friday, 13 November 2015 12:43 (12 minutes)

Presenter: BIANCHI, Livio (University of Houston)

Session Classification: Young Physicists' Lightning Round Session 3

Contribution ID: 44

Type: **not specified**

Search for top-antitop quark resonances

Friday, 13 November 2015 14:20 (12 minutes)

Presenter: Mr SANDOVAL, Irving Daniel (University of Illinois at Chicago)

Session Classification: Young Physicists' Lightning Round Session 4

Contribution ID: 45

Type: **not specified**

Differential two-particle correlations in ALICE

Friday, 13 November 2015 14:32 (12 minutes)

Presenter: PUJAHARI, Prabhat (Wayne State University)

Session Classification: Young Physicists' Lightning Round Session 4

Contribution ID: 46

Type: **not specified**

Heavy Ion Jet Results from CMS

Friday, 13 November 2015 17:00 (12 minutes)

Presenter: TRAUGER, Hallie (University of Illinois at Chicago)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 47

Type: **not specified**

Measurements of open heavy-flavour production in Pb-Pb collisions with ALICE at the LHC

Friday, 13 November 2015 14:56 (12 minutes)

Presenter: THOMAS, Deepa (University of Texas at Austin)

Session Classification: Young Physicists' Lightning Round Session 4

Contribution ID: 48

Type: **not specified**

Searching for all-hadronic SUSY with Jet Substructure

Friday, 13 November 2015 15:08 (12 minutes)

Presenter: SWIATLOWSKI, Maximilian (University of Chicago)

Session Classification: Young Physicists' Lightning Round Session 4

Contribution ID: 49

Type: **not specified**

Search for neutral MSSM heavy scalar Higgs Boson

Friday, 13 November 2015 15:20 (12 minutes)

Presenter: DODD, Laura Margaret (University Wisconsin-Madison)

Session Classification: Young Physicists' Lightning Round Session 4

Contribution ID: 50

Type: **not specified**

Search for Supersymmetry in Same-Sign Dilepton Final states

Friday, 13 November 2015 16:00 (12 minutes)

Presenter: CARVER, Matthew (University of Florida)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 51

Type: **not specified**

Search for Dark Matter with Higgs (to $b\bar{b}$) at ATLAS: Run 1 and beyond

Friday, 13 November 2015 16:12 (12 minutes)

Presenter: CHENG, Yangyang (University of Chicago)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 52

Type: **not specified**

MadDM v2.0: Computation of Dark Matter Observables using Madgraph 5

Friday, 13 November 2015 16:24 (12 minutes)

Presenter: MOHLANBENG, Gopolang (Fermilab)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 53

Type: **not specified**

Search for Supersymmetry in Higgs to diphoton final states with the razor variables at 8 TeV

Friday, 13 November 2015 16:36 (12 minutes)

Presenter: PENA, Cristian (Caltech)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 54

Type: **not specified**

Measurement of the production of pairs of prompt J/psi mesons at $\sqrt{s} = 8$ TeV with the ATLAS Detector

Friday, 13 November 2015 16:48 (12 minutes)

Presenter: WEINERT, Benjamin (Indiana University)

Session Classification: Young Physicists' Lightning Round Session 5: 6 presentations

Contribution ID: 55

Type: **not specified**

Advanced Reconstruction Algorithms for the CMS High Granularity Calorimeter

Friday, 13 November 2015 14:45 (11 minutes)

Presenter: PEDRO, Kevin (Fermilab)

Session Classification: Young Physicists' Lightning Round Session 4