

**Mitchell Workshop on
Collider, Dark Matter and
Neutrino Physics**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Physics at the LHC

Monday, May 23, 2016 9:00 AM (35 minutes)

LHC Review

Presenter: LANDSBERG, Greg (Brown University (US))

Contribution ID: 1

Type: **not specified**

Search for the colored supersymmetric partners at CMS

Monday, May 23, 2016 9:35 AM (25 minutes)

Presenter: CAMPAGNARI, Claudio (Univ. of California Santa Barbara (US))

Contribution ID: 2

Type: **not specified**

Search for the colored supersymmetric partners at ATLAS

Monday, May 23, 2016 10:00 AM (25 minutes)

Presenter: SHANG, Ruo-Yu (Univ. Illinois at Urbana-Champaign (US))

Contribution ID: 4

Type: **not specified**

WIMP Searches with Noble Liquids

Monday, May 23, 2016 10:45 AM (25 minutes)

Summary

Primary author: NELSON, Harry (UCSB)

Presenter: NELSON, Harry (UCSB)

Contribution ID: 5

Type: **not specified**

Matt Pyle

Monday, May 23, 2016 11:10 AM (25 minutes)

Summary

Presenter: PYLE, Matt

Contribution ID: 6

Type: **not specified**

James Dent

Monday, May 23, 2016 11:35 AM (25 minutes)

Presenter: DENT, James (University of Louisiana at Lafayette)

Contribution ID: 7

Type: **not specified**

Dark Matter searches at CMS

Monday, May 23, 2016 2:00 PM (25 minutes)

Presenter: LOWETTE, Steven (Vrije Universiteit Brussel (BE))

Contribution ID: 8

Type: **not specified**

Dark Matter searches at ATLAS

Monday, May 23, 2016 2:25 PM (25 minutes)

Presenter: GOZANI, Eitan (Technion (IL))

Contribution ID: 9

Type: **not specified**

Ilia Gogoladze

Monday, May 23, 2016 2:50 PM (25 minutes)

Presenter: GOGOLADZE, Ilia (University of Delaware)

Contribution ID: **10**

Type: **not specified**

An Anomaly to Believe In

Monday, May 23, 2016 3:35 PM (35 minutes)

Primary author: FENG, Jonathan Lee (University of California Irvine (US))

Contribution ID: **11**

Type: **not specified**

Andrew Pace

Monday, May 23, 2016 4:10 PM (25 minutes)

Summary

Primary author: PACE, Andrew

Presenter: PACE, Andrew

Contribution ID: 12

Type: **not specified**

The Self-Interacting Dark Matter Paradigm

Monday, May 23, 2016 4:35 PM (25 minutes)

Presenter: YU, Hai-Bo (University of Michigan)

Contribution ID: **13**

Type: **not specified**

Tianjun Li

Contribution ID: 14

Type: **not specified**

MINER Coherent Neutrino Scattering with SuperCDMS Cryogenic Detector Technology

Tuesday, May 24, 2016 9:00 AM (35 minutes)

Summary

Primary author: MAHAPATRA, Rupak (Texas A&M University)

Presenter: MAHAPATRA, Rupak (Texas A&M University)

Contribution ID: 15

Type: **not specified**

COHERENT neutrino scattering at the SNS

Tuesday, May 24, 2016 9:35 AM (25 minutes)

Summary

Primary author: BARBEAU, phil

Presenter: BARBEAU, phil

Contribution ID: 16

Type: **not specified**

Sensitivity to Z-prime, neutrino magnetic moment, and sterile neutrino oscillation from coherent neutrino-nucleus scattering

Tuesday, May 24, 2016 10:00 AM (25 minutes)

Presenter: WALKER, Joel Wesley (Texas A & M University (US))

Contribution ID: 17

Type: **not specified**

he Interpretation of 750 GeV Diphoton Excess at the LHC in the Supersymmetric Models

Tuesday, May 24, 2016 10:45 AM (25 minutes)

Presenter: LI, Tianjun

Contribution ID: **18**

Type: **not specified**

Distinguishing interactions in direct detection experiments

Tuesday, May 24, 2016 11:10 AM (25 minutes)

Presenter: NEWSTEAD, Jayden (Arizona State University)

Contribution ID: **19**

Type: **not specified**

Big-pions at the LHC

Tuesday, May 24, 2016 11:35 AM (25 minutes)

Presenter: BAI, Yang (University of Wisconsin, Madison)

Contribution ID: 20

Type: **not specified**

Probing the Electroweak Phase Transition at the LHC and future colliders

Tuesday, May 24, 2016 2:00 PM (25 minutes)

Presenter: HUANG, Peisi

Contribution ID: 21

Type: **not specified**

Backgrounds @ MINER

Tuesday, May 24, 2016 2:25 PM (25 minutes)

Summary

Primary author: KUBIK, Andrew Michael (Texas A&M University (US))

Presenter: KUBIK, Andrew Michael (Texas A&M University (US))

Contribution ID: 22

Type: **not specified**

The 750 GeV Diphoton Excesses in Realistic String Models

Presenter: MAYES, Eric (University of Houston-Clear Lake)

Contribution ID: 23

Type: **not specified**

Measurements of the Higgs boson properties at CMS

Tuesday, May 24, 2016 3:10 PM (25 minutes)

Presenter: GRITSAN, Andrei (Johns Hopkins University (US))

Contribution ID: 24

Type: **not specified**

Measurements of the Higgs boson properties at ATLAS

Tuesday, May 24, 2016 3:35 PM (25 minutes)

Summary

Primary author: KONOPLICH, Rostislav (New York University (US))

Presenter: KONOPLICH, Rostislav (New York University (US))

Contribution ID: 25

Type: **not specified**

Search for the BSM Higgs at CMS

Tuesday, May 24, 2016 4:00 PM (25 minutes)

Presenter: Dr PERNIE, Luca (Texas A&M University)

Contribution ID: 26

Type: **not specified**

Search for the BSM Higgs at ATLAS

Tuesday, May 24, 2016 4:25 PM (25 minutes)

Presenter: HAUSWALD, Lorenz (Technische Universitaet Dresden (DE))

Contribution ID: 27

Type: **not specified**

Matthew Wood [Fermi]

Wednesday, May 25, 2016 9:00 AM (35 minutes)

Summary

Presenter: WOOD, Matthew

Contribution ID: 28

Type: **not specified**

Recent Results from the Daya Bay Reactor Neutrino Experiment

Wednesday, May 25, 2016 9:35 AM (25 minutes)

Summary

Primary author: LIN, Cheng-Ju Stephen (Lawrence Berkeley National Lab. (US))

Presenter: LIN, Cheng-Ju Stephen (Lawrence Berkeley National Lab. (US))

Contribution ID: 29

Type: **not specified**

Lisa Everett

Wednesday, May 25, 2016 10:00 AM (25 minutes)

Summary

Presenter: EVERETT, Lisa (University of Wisconsin, Madison)

Contribution ID: **30**

Type: **not specified**

Search for non-colored supersymmetric partners at ATLAS

Wednesday, May 25, 2016 10:45 AM (25 minutes)

Summary

Presenters: GRAMSTAD, Eirik (Student); GRAMSTAD, Eirik (University of Oslo (NO))

Contribution ID: **31**

Type: **not specified**

Search for non-colored sypersymmetric partners at CMS

Wednesday, May 25, 2016 11:10 AM (25 minutes)

Presenter: GURROLA, Alfredo (Vanderbilt University (US))

Contribution ID: 32

Type: **not specified**

Exotica searches at ATLAS

Wednesday, May 25, 2016 11:35 AM (25 minutes)

Summary

Presenters: BLACK, Kevin (Boston University (US)); BLACK, Kevin (Boston University)

Contribution ID: 33

Type: **not specified**

Exotica searches at CMS

Wednesday, May 25, 2016 12:00 PM (25 minutes)

Presenter: LEE, Sung Won (Texas Tech University (US))

Contribution ID: 34

Type: **not specified**

Late Reheating, Baryogenesis and Dark Matter: An Explicit Model

Wednesday, May 25, 2016 2:25 PM (25 minutes)

Presenter: ALLAHVERDI, Rouzbeh (New Mexico University)

Contribution ID: 35

Type: **not specified**

Primordial Black Holes, Dark Matter, and the Post-Inflationary Universe

Wednesday, May 25, 2016 2:50 PM (25 minutes)

Presenter: WATSON, Scott (Syracuse University)

Contribution ID: **36**

Type: **not specified**

Ilia Gogoladze

Contribution ID: 37

Type: **not specified**

Improving mass measurements with many body phase space

Wednesday, May 25, 2016 3:35 PM (25 minutes)

Presenter: KILIC, Can (University of Texas at Austin)

Contribution ID: **38**

Type: **not specified**

Disformal Dark D-brane Cosmology

Wednesday, May 25, 2016 4:00 PM (25 minutes)

Presenter: ZAVALA, Ivonne (Swansea University)

Contribution ID: 39

Type: **not specified**

[LUX review]

Thursday, May 26, 2016 9:00 AM (35 minutes)

Presenter: MANNINO, Rachel (Texas A&M University)

Contribution ID: 40

Type: **not specified**

Latest result of the Alpha Magnetic Spectrometer

Thursday, May 26, 2016 9:35 AM (25 minutes)

Summary

Primary author: ZUCCON, Paolo (Massachusetts Inst. of Technology (US))

Presenter: ZUCCON, Paolo (Massachusetts Inst. of Technology (US))

Contribution ID: **41**

Type: **not specified**

[NIMOS]

Contribution ID: 42

Type: **not specified**

Dark matter velocity spectroscopy

Thursday, May 26, 2016 11:10 AM (25 minutes)

Primary author: LAHA, Ranjan (Stanford University)

Contribution ID: 43

Type: **not specified**

Dark Matter Interpreting Cosmic Ray Excesses the "Energy-peak" Way

Thursday, May 26, 2016 11:35 AM (25 minutes)

Presenter: KIM, Doojin (University of Florida)

Contribution ID: 44

Type: **not specified**

Chris Kelso

Thursday, May 26, 2016 12:00 PM (25 minutes)

Presenter: KELSO, Chris (University of Utah)

Contribution ID: 45

Type: **not specified**

Keith Dienes

Contribution ID: 46

Type: **not specified**

Natural Realizations of Dynamical Dark Matter

Thursday, May 26, 2016 2:25 PM (25 minutes)

Presenter: Prof. THOMAS, Brooks (Colorado College)

Contribution ID: 47

Type: **not specified**

Status of the 98-125 GeV Higgs scenario with updated LHC-8 data

Thursday, May 26, 2016 10:00 AM (25 minutes)

Primary author: GHOSH, DILIP KUMAR (INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE)

Contribution ID: 48

Type: **not specified**

An indirect constraint of Primordial Black Holes from PLANCK

Thursday, May 26, 2016 2:50 PM (25 minutes)

Summary

Presenter: GAO, Yu (U)

Contribution ID: 49

Type: **not specified**

SU(6) Origin of Vector-like Fermions and LHC Di-photon Excess

Wednesday, May 25, 2016 4:25 PM (25 minutes)

Presenter: GHOSH, Tathagata (Texas A&M University)

Contribution ID: 50

Type: **not specified**

The 750 GeV Diphoton excess: what can it be?

Thursday, May 26, 2016 3:15 PM (25 minutes)

Summary

Presenter: DALCHENKO, Mykhailo (Texas A & M University (US))