

LHC Theory Initiative Fellows Meeting 2017

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Friday, February 10, 2017 9:00 AM (15 minutes)

Presenter: PESKIN, Michael

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

The state of the art in LHC event simulation

Friday, February 10, 2017 9:15 AM (45 minutes)

Presenter: HOECHE, Stefan (SLAC)

Session Classification: Plenary

Contribution ID: 3

Type: **not specified**

Dark Matter Theory: Current status and detection prospects

Friday, February 10, 2017 5:00 PM (45 minutes)

Presenter: ZUREK, Kathryn (LBNL)

Session Classification: Plenary

Contribution ID: 4

Type: **not specified**

Machine learning for LHC applications

Presenter: SCHWARTZMAN, Ariel Gustavo (SLAC National Accelerator Laboratory (US))

Session Classification: Plenary

Contribution ID: 5

Type: **not specified**

Jet substructure at high precision

Friday, February 10, 2017 10:00 AM (30 minutes)

Presenter: LARKOSKI, Andrew

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

Probing the top quark with di-photon and photon+X production at the LHC

Friday, February 10, 2017 11:00 AM (30 minutes)

Presenter: Dr CHO, Won Sang (Seoul National University)

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

Precision top quark mass determination at the LHC with jet grooming

Friday, February 10, 2017 11:30 AM (30 minutes)

Presenter: MANTRY, Sonny (University of North Georgia)

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

Confronting jet quenching with jet grooming: jet substructure in heavy ion collisions

Friday, February 10, 2017 12:00 PM (30 minutes)

Presenter: CHIEN, Yang-Ting (Harvard University)

Session Classification: Plenary

Contribution ID: 9

Type: **not specified**

Machine learning beyond physics from a physicist's perspective

Friday, February 10, 2017 2:30 PM (30 minutes)

Presenter: WALSH, Jon (UC Berkeley)

Session Classification: Plenary

Contribution ID: **10**

Type: **not specified**

Software consulting with skills from particle physics

Friday, February 10, 2017 3:00 PM (30 minutes)

Presenter: FICKINGER, Michael

Session Classification: Plenary

Contribution ID: 11

Type: **not specified**

Machine learning for LHC applications

Friday, February 10, 2017 1:45 PM (45 minutes)

Presenter: RUBBO, Francesco (SLAC National Accelerator Laboratory (US))

Session Classification: Plenary

Contribution ID: 12

Type: **not specified**

Blind spots for neutralino dark matter

Friday, February 10, 2017 4:00 PM (30 minutes)

Presenter: HUANG, Peisi (University of Wisconsin-Madison (US))

Session Classification: Plenary

Contribution ID: 13

Type: **not specified**

Vector boson production in joint resummation

Saturday, February 11, 2017 10:00 AM (30 minutes)

Presenter: THEEUWES, Vincent (SUNY, Buffalo)

Session Classification: Plenary

Contribution ID: 14

Type: **not specified**

Parton distributions for LHC applications

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Plenary

Contribution ID: 15

Type: **not specified**

Type-I 2 Higgs doublet model and the 13 TeV $t\bar{t}h$ "excess"

Saturday, February 11, 2017 11:30 AM (30 minutes)

Presenter: ALVES, Daniele

Session Classification: Plenary

Contribution ID: 16

Type: **not specified**

Nnaturalness

Saturday, February 11, 2017 12:00 PM (30 minutes)

Presenter: COHEN, Tim (University of Oregon)

Session Classification: Plenary

Contribution ID: 17

Type: **not specified**

Dark matter searches at dark matter ”colliders”

Friday, February 10, 2017 4:30 PM (30 minutes)

Presenter: KIM, Doojin (CERN)

Session Classification: Plenary

Contribution ID: **18**

Type: **not specified**

New ideas on long-lived superparticles with hadronic decays at the LHC

Saturday, February 11, 2017 11:00 AM (30 minutes)

Presenter: LIU, Zhen (Fermilab)

Session Classification: Plenary

Contribution ID: 19

Type: **not specified**

Relaxion from particle production

Saturday, February 11, 2017 9:00 AM (30 minutes)

Presenter: MARQUES TAVARES, Gustavo (Stanford University)

Session Classification: Plenary

Contribution ID: 20

Type: **not specified**

Parton distributions for LHC applications

Saturday, February 11, 2017 9:30 AM (30 minutes)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Plenary