LHC Theory Initiative Fellows Meeting 2017

Report of Contributions

https://indico.cern.ch/e/LHCTI2017

Contribution ID: **1** Type: **not specified**

Welcome

Friday, 10 February 2017 09:00 (15 minutes)

Presenter: PESKIN, Michael

Session Classification: Plenary

Contribution ID: **2** Type: **not specified**

The state of the art in LHC event simulation

Friday, 10 February 2017 09:15 (45 minutes)

Presenter: HOECHE, Stefan (SLAC)

Session Classification: Plenary

Contribution ID: **3** Type: **not specified**

Dark Matter Theory: Current status and detection prospects

Friday, 10 February 2017 17:00 (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, 10 February 2017 10:00 (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, 10 February 2017 11:00 (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, 10 February 2017 11:30 (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, 10 February 2017 12:00 (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, 10 February 2017 14:30 (30 minutes)

Presenter: WALSH, Jon (UC Berkeley)

Session Classification: Plenary

Contribution ID: **10** Type: **not specified**

Software consulting with skills from particle physics

Friday, 10 February 2017 15:00 (30 minutes)

Presenter: FICKINGER, Michael

Session Classification: Plenary

Contribution ID: **11** Type: **not specified**

Machine learning for LHC applications

Friday, 10 February 2017 13:45 (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, 10 February 2017 16:00 (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, 11 February 2017 10:00 (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, 11 February 2017 11:30 (30 minutes)

Presenter: ALVES, Daniele

Session Classification: Plenary

Contribution ID: **16** Type: **not specified**

Nnaturalness

Saturday, 11 February 2017 12:00 (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, 10 February 2017 16:30 (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, 11 February 2017 11:00 (30 minutes)

Presenter: LIU, Zhen (Fermilab)

Session Classification: Plenary

Contribution ID: **19** Type: **not specified**

Relaxion from particle production

Saturday, 11 February 2017 09:00 (30 minutes)

Presenter: MARQUES TAVARES, Gustavo (Stanford University)

Session Classification: Plenary

Contribution ID: **20** Type: **not specified**

Parton distributions for LHC applications

Saturday, 11 February 2017 09:30 (30 minutes)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Plenary