

# **CFTC-UL, UA and LIP meeting - Experiment vs. theory**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

## Pedro Ferreira

2HDM with FCNC - LHC predictions

Contribution ID: 3

Type: **not specified**

## 2HDM with FCNC - LHC predictions

*Thursday 30 January 2020 15:30 (20 minutes)*

**Presenter:** FERREIRA, Pedro

Contribution ID: 4

Type: **not specified**

## Georgi-Machacek Vacua

*Thursday 30 January 2020 15:50 (20 minutes)*

**Presenter:** AZEVEDO, Duarte

Contribution ID: 5

Type: **not specified**

## **Scalar mass dependence of angular variables in $t\bar{t}\phi$ production**

*Thursday 30 January 2020 16:10 (20 minutes)*

**Presenter:** CAPUCHA, Rodrigo

Contribution ID: 6

Type: **not specified**

## **Electroweak corrections to Higgs decays to dark matter in the N2HDM**

*Thursday 30 January 2020 16:30 (20 minutes)*

**Presenter:** GABRIEL, Pedro

Contribution ID: 7

Type: **not specified**

## **Missing energy distribution in scalar dark matter models**

*Thursday 30 January 2020 16:50 (20 minutes)*

**Presenter:** NEACSU, Daniel

Contribution ID: 8

Type: **not specified**

## **Gravitational footprints of massive neutrinos and lepton number breaking**

*Friday 31 January 2020 10:00 (20 minutes)*

**Presenter:** MORAIS, António

Contribution ID: 9

Type: **not specified**

# Exploring the Higgs boson with Deep Learning

*Friday 31 January 2020 10:20 (20 minutes)*

**Presenter:** FREITAS, Filipe

Contribution ID: **10**

Type: **not specified**

## **How well can the muon g-2 anomaly be explained with a heavy U(1)<sub>B-L</sub> Z' boson?**

*Friday 31 January 2020 10:40 (20 minutes)*

**Presenter:** RODRIGUES, Pedro

Contribution ID: 11

Type: **not specified**

# Prospects for New Physics from a GUT-inspired 3HDM

*Friday 31 January 2020 11:00 (20 minutes)*

**Presenter:** PINO, João

Contribution ID: 12

Type: **not specified**

## **Probing the CP nature of the Higgs coupling to top quarks with the ATLAS experiment at the LHC**

*Friday 31 January 2020 11:20 (20 minutes)*

**Presenter:** GOUVEIA, Emanuel

Contribution ID: 13

Type: **not specified**

## Search for FCNC interactions at the LHC

*Friday 31 January 2020 14:20 (20 minutes)*

**Presenter:** PEIXOTO, Ana

Contribution ID: 14

Type: **not specified**

## Search for VLQs at the LHC

*Friday 31 January 2020 14:00 (20 minutes)*

**Presenter:** VALE, Tiago

Contribution ID: 15

Type: **not specified**

# Phenomenology of Composite Higgs models

*Friday 31 January 2020 15:00 (20 minutes)*

**Presenter:** RAMOS, Maria

Contribution ID: **16**

Type: **not specified**

## **Phenomenology of Little Higgs models**

*Friday 31 January 2020 15:20 (20 minutes)*

**Presenter:** GUEDES, Guilherme

Contribution ID: 17

Type: **not specified**

## **Monotop searches at the LHC**

*Friday 31 January 2020 14:40 (20 minutes)*

**Presenter:** CASTRO, Nuno

Contribution ID: **18**

Type: **not specified**

## **Exploratory studies in HH production**

*Friday 31 January 2020 15:40 (20 minutes)*

**Presenter:** GONÇALO, Ricardo

Contribution ID: 19

Type: **not specified**

# Yukawa Couplings in Top Higgs Associated Production

*Friday 31 January 2020 11:40 (20 minutes)*

**Presenter:** ONOFRE, António

Contribution ID: **20**

Type: **not specified**

## **Deep Learning for Searches at Colliders**

*Friday 31 January 2020 09:40 (20 minutes)*

**Presenter:** ROMÃO, Miguel