

# **The 9th LCTP Spring Symposium**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Structures of Neural Network Effective Theories

*Wednesday 8 May 2024 09:30 (35 minutes)*

**Presenters:** ZHANG, Zhengkang (University of Utah); Dr ZHANG, Zhengkang (University of Utah)

Contribution ID: 2

Type: **not specified**

## Reviving MeV-GeV Indirect Detection with Inelastic Dark Matter

*Wednesday 8 May 2024 10:05 (35 minutes)*

**Presenters:** KRNJAIC, Gordan (Fermilab); KRNJAIC, Gordan (Fermi National Accelerator Laboratory)

Contribution ID: 3

Type: **not specified**

## Dark matter and semi-invisible jets at LHC

*Wednesday 8 May 2024 11:10 (35 minutes)*

**Presenter:** HSU, Shih-Chieh (University of Washington Seattle (US))

Contribution ID: 4

Type: **not specified**

## Higgs bosons with a boost

*Wednesday 8 May 2024 11:45 (35 minutes)*

**Presenter:** ZHENG, Zhi (SLAC National Accelerator Laboratory (US))

Contribution ID: 5

Type: **not specified**

## Shedding light on Dark Matter

*Wednesday 8 May 2024 14:00 (35 minutes)*

**Presenter:** LORENZON, Wolfgang Benedikt (Michigan)

Contribution ID: 6

Type: **not specified**

## EFT at LHC

*Wednesday 8 May 2024 14:35 (35 minutes)*

**Presenters:** LUTY, Markus; LUTY, Markus (University of California Davis)

Contribution ID: 7

Type: **not specified**

## Long-lived particles in Higgs decays

*Wednesday 8 May 2024 15:40 (35 minutes)*

**Presenter:** GERSHTEIN, Yuri (Rutgers State Univ. of New Jersey (US))

Contribution ID: 8

Type: **not specified**

## Discovering the Heavy QCD Axion at Terrestrial Experiments

*Wednesday 8 May 2024 16:15 (35 minutes)*

**Presenter:** KUMAR, Soubhik (UC Berkeley)

Contribution ID: 9

Type: **not specified**

## **Monopoles or the dark matter/baryon coincidence**

*Wednesday 8 May 2024 16:50 (35 minutes)*

**Presenter:** HOOK, Anson (University of Maryland)

Contribution ID: **10**

Type: **not specified**

## **Muon conversion using EFTs**

*Thursday 9 May 2024 09:30 (35 minutes)*

**Presenter:** ZUPAN, Jure (University of Cincinnati)

Contribution ID: **11**

Type: **not specified**

## Novel searches at neutrino facilities

*Thursday 9 May 2024 10:05 (35 minutes)*

**Presenter:** KELLY, Kevin James (Texas A&M University)

Contribution ID: 12

Type: **not specified**

## **Status and prospects for H(cc/bb) measurements with the ATLAS detector**

*Thursday 9 May 2024 11:10 (35 minutes)*

**Presenter:** KLEIN, Matthew Henry (Southern Methodist University (US))

Contribution ID: 13

Type: **not specified**

## Emergent Symmetries and Entanglement Suppression

*Thursday 9 May 2024 11:45 (35 minutes)*

**Presenters:** LOW, Ian; LOW, Ian (Argonne National Lab/Northwestern Univ); LOW, Ian (Argonne National Laboratory (US))

Contribution ID: **14**

Type: **not specified**

## Wake Forces

*Thursday 9 May 2024 14:00 (35 minutes)*

**Presenter:** VAN TILBURG, Ken

Contribution ID: 15

Type: **not specified**

## Multiboson Physics at the LHC

*Thursday 9 May 2024 14:35 (35 minutes)*

**Presenter:** SCHMITT, Michael (Northwestern University (US))

Contribution ID: **16**

Type: **not specified**

# **Signatures of decoupled dark sectors in gravitational waves**

*Thursday 9 May 2024 15:40 (35 minutes)*

**Presenter:** Dr SHELTON, Jessie (University of Illinois, Urbana-Champaign)

Contribution ID: 17

Type: **not specified**

# Comprehensive Model-Driven Searches for Heavy Resonances at the LHC

*Thursday 9 May 2024 16:15 (35 minutes)*

**Presenter:** FISHER, Wade Cameron (Michigan State University (US))

Contribution ID: **18**

Type: **not specified**

## Phenomenology of Extended Higgs Sectors

*Thursday 9 May 2024 16:50 (35 minutes)*

**Presenter:** WAGNER, Carlos E.M. (The University of Chicago)

Contribution ID: **19**

Type: **not specified**

## Muon g-2 Theory

*Friday 10 May 2024 09:30 (35 minutes)*

**Presenter:** EL-KHADRA, Aida (University of Illinois Urbana-Champaign)

Contribution ID: 20

Type: **not specified**

## **The Fermilab Muon g-2 experiment, past, present, and future**

*Friday 10 May 2024 10:05 (35 minutes)*

**Presenter:** CHUPP, Tim (University of Michigan)

Contribution ID: **21**

Type: **not specified**

## Status of B anomalies

*Friday 10 May 2024 11:00 (35 minutes)*

**Presenter:** ONYISI, Peter (University of Texas at Austin (US))

Contribution ID: 22

Type: **not specified**

# Opportunities for Electroweak Baryogenesis

*Friday 10 May 2024 11:35 (35 minutes)*

**Presenters:** CARENA, Marcela; CARENA LOPEZ, Marcela Silvia