

**PIKIMO 13**

# **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Quantum sensors in space for DM detection

*Saturday 12 November 2022 10:00 (45 minutes)*

**Presenter:** Prof. SAFRONOVA, Marianna (U. Delaware)

**Session Classification:** Talks

Contribution ID: 2

Type: **not specified**

## **A Next Generation Search of the Neutron EDM**

*Saturday 12 November 2022 13:30 (45 minutes)*

**Presenter:** KORSCH, Wolfgang (University of Kentucky)

**Session Classification:** Talks

Contribution ID: 3

Type: **not specified**

# Thermal Misalignment of Scalar Dark Matter

*Saturday 12 November 2022 11:05 (12 minutes)*

**Presenter:** RAI, Mudit

**Session Classification:** Talks

Contribution ID: 4

Type: **not specified**

## Particle Physics at UltraHigh Neutrino Energies

*Saturday 12 November 2022 15:45 (12 minutes)*

**Presenter:** ESTEBAN, Ivan (CCAPP, Ohio State University)

**Session Classification:** Talks

Contribution ID: 5

Type: **not specified**

## **Isotopic Composition of Light Cosmic Rays with HELIX**

*Saturday 12 November 2022 16:00 (12 minutes)*

**Presenter:** Dr MCBRIDE, Keith

**Session Classification:** Talks

Contribution ID: 6

Type: **not specified**

## **The Ellipse of Muon Dipole Moments**

*Saturday 12 November 2022 14:20 (12 minutes)*

**Presenter:** YOON, Sangsik (Indiana University)

**Session Classification:** Talks

Contribution ID: 7

Type: **not specified**

## **Phenomenology of Inclusive B- $\rightarrow$ Xsll for the Belle II Era**

*Saturday 12 November 2022 14:35 (12 minutes)*

**Presenter:** JENKINS, Jack (Indiana University)

**Session Classification:** Talks



Contribution ID: 8

Type: **not specified**

## **TXS 0506+056 Through an Updated Neutrino Lens**

*Saturday 12 November 2022 15:30 (12 minutes)*

**Presenter:** LUSZCZAK, William (The Ohio State University)

**Session Classification:** Talks

Contribution ID: 9

Type: **not specified**

## **The Molecular Migdal Effect**

*Saturday 12 November 2022 10:50 (12 minutes)*

**Presenter:** HARRIS, Ian

**Session Classification:** Talks

Contribution ID: 10

Type: **not specified**

## **Towards a unified treatment of $\Delta S=0$ parity violation in low-energy nuclear processes**

*Saturday 12 November 2022 11:20 (12 minutes)*

**Presenter:** MURALIDHARA, Girish

**Session Classification:** Talks

Contribution ID: 11

Type: **not specified**

## **MLHad: A Machine Learning based simulation for Hadronization**

*Saturday 12 November 2022 17:25 (12 minutes)*

**Presenter:** YOUSSEF, Ahmed (University of Cincinnati)

**Session Classification:** Talks

Contribution ID: 12

Type: **not specified**

## **Wasserstein distance as a measure of CP violation**

*Saturday 12 November 2022 17:10 (12 minutes)*

**Presenter:** MENZO, Tony

**Session Classification:** Talks

Contribution ID: 13

Type: **not specified**

## **Accessing CKM suppressed top decays at the LHC**

*Saturday 12 November 2022 15:15 (12 minutes)*

**Presenter:** SZEWC, Manuel

**Session Classification:** Talks

Contribution ID: 14

Type: **not specified**

## Constraining Baryon Number Violation with Neutron Stars

*Saturday 12 November 2022 16:40 (12 minutes)*

**Presenter:** ZAKERI, Mohammadreza (University of Kentucky)

**Session Classification:** Talks

Contribution ID: 15

Type: **not specified**

## Probing Axionic Instabilities in the late Universe via CMB-B mode

*Saturday 12 November 2022 16:55 (12 minutes)*

**Presenter:** Dr GHOSH, Subhajit (University of Notre Dame)

**Session Classification:** Talks