

**International Conference on
Neutrinos and Dark Matter
(NuDM-2022)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Lessons for Dark Matter from Non Standard Cosmologies

Presenter: ROSZKOWSKI, Leszek

Session Classification: Dark Matter Theory

Contribution ID: 2

Type: **not specified**

Experimental Signatures of a New Dark Matter WIMP

Presenter: ALLEN, Roland

Session Classification: Dark Matter Theory

Contribution ID: 3

Type: **not specified**

Dark Matter Freeze-Out and Freeze-In Beyond Kinetic Equilibrium

Presenter: HRYCZUK, Andrzej

Session Classification: Dark Matter Theory

Contribution ID: 4

Type: **not specified**

Dark Matter/Dark Sectors Searches at Neutrino Fixed Target Experiment

Presenter: FRUGIUELE, Claudia

Session Classification: Dark Matter Theory

Contribution ID: 5

Type: **not specified**

Constraining Dark Matter - Neutrino Interaction by Present and Future Cosmological Observations

Presenter: PAL, Supratik

Session Classification: Dark Matter Theory

Contribution ID: 6

Type: **not specified**

Lessons for dark matter from nonstandard cosmologies

Sunday 25 September 2022 08:55 (25 minutes)

Presenter: ROSZKOWSKI, Leszek

Session Classification: Dark Matter Theory

Contribution ID: 7

Type: **not specified**

Experimental signatures of a new dark matter WIMP

Sunday 25 September 2022 08:30 (25 minutes)

Presenter: ALLEN, Roland

Session Classification: Dark Matter Theory

Contribution ID: 8

Type: **not specified**

VISHnu: a flavour-variant DFSZ axion model for inflation, neutrino masses, dark matter and baryogenesis

Sunday 25 September 2022 09:20 (25 minutes)

Presenter: VOLKAS, Raymond

Session Classification: Dark Matter Theory

Contribution ID: 9

Type: **not specified**

Direct dark matter searches with the full data set of XMASS-I

Sunday 25 September 2022 09:45 (25 minutes)

Presenter: ABE, Ko

Session Classification: Dark Matter Theory

Contribution ID: **10**

Type: **not specified**

Sub-GeV Dark Matter and X-rays

Sunday 25 September 2022 10:10 (25 minutes)

Presenter: CIRELLI, Marco

Session Classification: Dark Matter Theory

Contribution ID: 11

Type: **not specified**

Dark matter searches at CMS

Sunday 25 September 2022 11:00 (25 minutes)

Presenter: GOMBER, Bhawna

Session Classification: Dark Matter Experimental

Contribution ID: 12

Type: **not specified**

Searches for Dark Matter at ATLAS

Sunday 25 September 2022 11:25 (25 minutes)

Presenter: FRATTARI, Guglielmo

Session Classification: Dark Matter Experimental

Contribution ID: 13

Type: **not specified**

Dark Matter direct detection with the XENONnT experiment

Sunday 25 September 2022 11:50 (25 minutes)

Presenter: BIONDI, Riccardo

Session Classification: Dark Matter Experimental

Contribution ID: 14

Type: **not specified**

Light Dark Matter Factory @ JLAB

Sunday 25 September 2022 12:15 (25 minutes)

Presenter: BONDI, Mariangela

Session Classification: Dark Matter Experimental

Contribution ID: 15

Type: **not specified**

Current status of the neutrino mass constraint from cosmological observations

Sunday 25 September 2022 16:55 (25 minutes)

Presenter: SAITO, Shun

Session Classification: Neutrino Theory

Contribution ID: 16

Type: **not specified**

Probing the Supersymmetric Grand Unified Theories with Gravity Mediation at the Future Proton-Proton Colliders and Hyper-Kamiokande Experiment

Sunday 25 September 2022 17:45 (25 minutes)

Presenter: LI, Tianjun

Session Classification: Neutrino Theory

Contribution ID: 17

Type: **not specified**

Modular symmetries and the flavor problem

Sunday 25 September 2022 18:10 (25 minutes)

Presenter: MELONI, Davide

Session Classification: Neutrino Theory

Contribution ID: **18**

Type: **not specified**

Minimal type-II seesaw model with alternative $U(1)_X$ and cosmology

Sunday 25 September 2022 18:35 (25 minutes)

Presenter: SETO, Osamu

Session Classification: Neutrino Theory

Contribution ID: 19

Type: **not specified**

Coherent elastic neutrino-nucleus scattering in the Standard Model and beyond

Tuesday 27 September 2022 17:50 (25 minutes)

Presenter: DE ROMERI, Valentina

Session Classification: Neutrino & DM

Contribution ID: 20

Type: **not specified**

Signatures for New Physics in the Short-Baseline Near Detector Experiment

Sunday 25 September 2022 14:50 (25 minutes)

Presenter: PALAMARA, Ornella

Session Classification: Neutrino Experimental

Contribution ID: 21

Type: **not specified**

Status of the search for light sterile neutrinos at a short baseline

Sunday 25 September 2022 14:25 (25 minutes)

Presenter: MINOTTI, Alessandro

Session Classification: Neutrino Experimental

Contribution ID: 22

Type: **not specified**

Signatures for New Physics in the Short-Baseline Near Detector Experiment

Presenter: PALAMARA, Ornella

Session Classification: Neutrino Experimental

Contribution ID: 23

Type: **not specified**

Overview of neutrino-nucleus interactions and its impact on accelerator-based neutrino experiments

Sunday 25 September 2022 15:40 (25 minutes)

Presenter: PANDEY, Vishvas

Session Classification: Neutrino Experimental

Contribution ID: 24

Type: **not specified**

Neutrinos and element synthesis in neutron star mergers

Sunday 25 September 2022 16:05 (25 minutes)

Presenter: MCLAUGHLIN, Gail

Session Classification: Neutrino Experimental

Contribution ID: 25

Type: **not specified**

Hidden sector mesons for dark energy source

Monday 26 September 2022 14:15 (25 minutes)

Presenter: KIM, Jihn E.

Session Classification: Dark Matter Theory

Contribution ID: 26

Type: **not specified**

Grand Unification at Hadron Colliders

Monday 26 September 2022 14:40 (25 minutes)

Presenter: SENJANOVIC, Goran

Session Classification: Dark Matter Theory

Contribution ID: 27

Type: **not specified**

Long-Lived Lightest Supersymmetric Particles (L3SPs) versus LHC and MUON g-2 data

Monday 26 September 2022 15:05 (25 minutes)

Presenter: MUNOZ, Carlos

Session Classification: Dark Matter Theory

Contribution ID: **28**

Type: **not specified**

Muon $g-2$ and lepton flavor violation in SUSY-GUT's

Monday 26 September 2022 15:30 (25 minutes)

Presenter: GOMEZ, Mario E.

Session Classification: Dark Matter Theory

Contribution ID: 29

Type: **not specified**

Muon g-2 and B anomalies from Dark Matter

Monday 26 September 2022 15:55 (25 minutes)

Presenter: CALIBBI, Lorenzo

Session Classification: Dark Matter Theory

Contribution ID: 30

Type: **not specified**

Enlightening Cold Dark Matter's Darkest Side Via Non-Minimal Coupling

Monday 26 September 2022 11:30 (15 minutes)

Presenter: GANDOLFI, Giovanni

Session Classification: Parallel

Contribution ID: 31

Type: **not specified**

Precision Gamma-Ray and Positron Spectra for sub-GeV Dark Matter

Monday 26 September 2022 11:45 (15 minutes)

Presenter: REIMITZ, Peter

Session Classification: Parallel

Contribution ID: 32

Type: **not specified**

Axion searches with neutrino experiments

Presenter: HOUSTON, Nick

Session Classification: Parallel

Contribution ID: 33

Type: **not specified**

Cosmological scalar field ϕ CDM and mass varying neutrino models

Monday 26 September 2022 12:00 (15 minutes)

Presenter: AVSAJANISHVILI, Olga

Session Classification: Parallel

Contribution ID: 34

Type: **not specified**

Dark Matter Axions in the Early Universe with a Period of Increasing Temperature

Monday 26 September 2022 12:15 (15 minutes)

Presenter: OSINSKI, Jacek

Session Classification: Parallel

Contribution ID: 35

Type: **not specified**

The impact of dark matter on the related sector of the scotogenic model and its implications

Monday 26 September 2022 12:30 (15 minutes)

Presenter: ISMAEL, Mohammed

Session Classification: Parallel

Contribution ID: **36**

Type: **not specified**

Detecting the cosmic neutrino background

Monday 26 September 2022 11:30 (15 minutes)

Presenter: SHERGOLD, Jack

Session Classification: Parallel

Contribution ID: 37

Type: **not specified**

Indications for a Nonzero Lepton Asymmetry in the Early Universe

Monday 26 September 2022 11:45 (15 minutes)

Presenter: BURNS, Anne-Katherine

Session Classification: Parallel

Contribution ID: 38

Type: **not specified**

Is magic texture for Majorana neutrino immanent in Dirac nature for simple Dirac mass matrix?

Monday 26 September 2022 12:00 (15 minutes)

Presenter: HYODO, Yuta

Session Classification: Parallel

Contribution ID: 39

Type: **not specified**

An A4 model for keV scale sterile neutrino dark matter

Monday 26 September 2022 12:15 (15 minutes)

Presenter: SINGH, Mayengbam Kishan

Session Classification: Parallel

Contribution ID: 40

Type: **not specified**

Baryon-antibaryon Asymmetry in p-p, p-A collisions and String Junction Torus as Baryonium DM

Monday 26 September 2022 12:30 (15 minutes)

Presenter: PISKOUNOVA, Olga

Session Classification: Parallel

Contribution ID: 41

Type: **not specified**

Probing non-standard neutrino interactions with a light boson from next galactic and diffuse supernova neutrinos

Monday 26 September 2022 12:45 (15 minutes)

Presenter: AKITA, Kensuke

Session Classification: Parallel

Contribution ID: 42

Type: **not specified**

Dark Matter and Gravity Waves from a Dark Big Bang

Monday 26 September 2022 08:55 (25 minutes)

Presenter: WINKLER, Martin

Session Classification: Gravity & DM

Contribution ID: 43

Type: **not specified**

Gravitational-wave probes of the $U(1)_X$ extended Standard Model

Monday 26 September 2022 09:20 (25 minutes)

Presenter: OKADA, Nobuchika

Session Classification: Gravity & DM

Contribution ID: 44

Type: **not specified**

Review on dark energy problem and modified gravity theories

Monday 26 September 2022 08:30 (25 minutes)

Presenter: BAMBA, Kazuharu

Session Classification: Gravity & DM

Contribution ID: 45

Type: **not specified**

Consistency between black hole and mimetic gravity : Case of $(2 + 1)$ -dimensional gravity

Monday 26 September 2022 09:45 (25 minutes)

Presenter: NASHED, Gamal

Session Classification: Gravity & DM

Contribution ID: 46

Type: **not specified**

Interacting dark-fluid cosmology

Monday 26 September 2022 10:10 (25 minutes)

Presenter: ABEBE, Amare

Session Classification: Gravity & DM

Contribution ID: 47

Type: **not specified**

Covariant density and velocity perturbations of the quasi-Newtonian cosmological model in $f(T)$ gravity

Presenter: ABDULRAHMAN, Heba

Session Classification: Gravity & DM

Contribution ID: 48

Type: **not specified**

Hints of dark photon dark matter from observations and hydrodynamical simulations of the low-redshift Lyman- α forest

Monday 26 September 2022 16:45 (15 minutes)

Presenter: CAPUTO, Andrea

Session Classification: Parallel 1

Contribution ID: 49

Type: **not specified**

Trimaximal neutrino mixing with a vanishing minor

Monday 26 September 2022 17:00 (15 minutes)

Presenter: MAZUMDER, Iffat Ara

Session Classification: Parallel 1

Contribution ID: 50

Type: **not specified**

Neutrino lines from MeV dark matter annihilation and decay in JUNO

Monday 26 September 2022 17:15 (15 minutes)

Presenter: NIIBO, Michiru

Session Classification: Parallel 1

Contribution ID: 51

Type: **not specified**

Sterile Neutrino Dark Matter and Neutrino Self-interaction

Presenter: ZHANG, Yue

Session Classification: Parallel 1

Contribution ID: 52

Type: **not specified**

Neutrino oscillation caused by spacetime geometry

Monday 26 September 2022 17:30 (15 minutes)

Presenter: GHOSE, Indrajit

Session Classification: Parallel 1

Contribution ID: 53

Type: **not specified**

GUT and W-mass

Monday 26 September 2022 17:45 (15 minutes)

Presenter: ZANTEDESCHI, Michael

Session Classification: Parallel 1

Contribution ID: 54

Type: **not specified**

Study of Dark Matter with directionality approach using ZnWO_4 crystal scintillators

Monday 26 September 2022 16:45 (15 minutes)

Presenter: LEONCINI, Alice

Session Classification: Parallel 2

Contribution ID: 55

Type: **not specified**

Cosmological constraints on the dark matter density distribution of dwarf spheroidal galaxies

Monday 26 September 2022 17:00 (15 minutes)

Presenter: Horigome, Shunichi

Session Classification: Parallel 2

Contribution ID: 56

Type: **not specified**

Massive gravity from type II String compactifications

Monday 26 September 2022 17:15 (15 minutes)

Presenter: TADROS, Poula

Session Classification: Parallel 2

Contribution ID: 57

Type: **not specified**

Liquid Xenon Detectors for Dark Matter and Neutrinos Detection

Presenter: GAO, Fei

Session Classification: Parallel 2

Contribution ID: 58

Type: **not specified**

Effective Field Theories for Dark Matter Pairs in the Early Universe

Monday 26 September 2022 17:30 (15 minutes)

Presenter: QERIMI, Gramos

Session Classification: Parallel 2

Contribution ID: 59

Type: **not specified**

Hints of Dark Matter from pulsating stars

Monday 26 September 2022 17:45 (15 minutes)

Presenter: GÓMEZ, Adrián Ayala

Session Classification: Parallel 2

Contribution ID: **60**

Type: **not specified**

Welcome

Sunday 25 September 2022 08:25 (5 minutes)

Presenter: KHALIL IBRAHIM, Shaaban (ENHEP Egyptian Network of High Energy Physics (EG))

Session Classification: Dark Matter Theory

Contribution ID: **61**

Type: **not specified**

Weakly Interacting Particles in Core Collapse Supernovae

Sunday 25 September 2022 12:40 (25 minutes)

Presenter: TAMBORRA, Irene

Session Classification: Dark Matter Experimental

Contribution ID: 62

Type: **not specified**

The SABRE South Experiment at the Stawell Underground Physics Laboratory

Sunday 25 September 2022 14:00 (25 minutes)

Presenter: NUTI, Francesco

Session Classification: Neutrino Experimental

Contribution ID: **63**

Type: **not specified**

sneutrino Dark Matter

Monday 26 September 2022 12:45 (15 minutes)

Presenter: EL SHESHTAWY, Ahmed

Session Classification: Parallel

Contribution ID: 64

Type: **not specified**

Exploring nearly degenerate higgsinos using mono-Z/W signal

Monday 26 September 2022 13:00 (15 minutes)

Presenter: KAWAMURA, Junichiro

Session Classification: Parallel

Contribution ID: 65

Type: **not specified**

Massive Right-handed Neutrinos at Belle II

Monday 26 September 2022 13:00 (15 minutes)

Presenter: LIU, Hongkai

Session Classification: Parallel

Contribution ID: 66

Type: **not specified**

nu-p process nucleosynthesis in neutrino-driven outflows in core-collapse supernovae

Presenter: PATWARDHAN, Amol

Session Classification: Parallel

Contribution ID: 67

Type: **not specified**

Combined explanations of muon $g-2$ and R_{K,K^*} anomalies in left-right model with inverse seesaw

Monday 26 September 2022 18:00 (15 minutes)

Presenter: ASHRY, Mustafa

Session Classification: Parallel 1

Contribution ID: **68**

Type: **not specified**

Neutrino flavor mixing in supernovae and mergers

Monday 26 September 2022 18:15 (15 minutes)

Presenter: JOHNS, Luke

Session Classification: Parallel 1

Contribution ID: **69**

Type: **not specified**

The SuperCDMS SNOLAB Experiment

Monday 26 September 2022 18:00 (15 minutes)

Presenter: LIU, Yan

Session Classification: Parallel 2

Contribution ID: 70

Type: **not specified**

The Phonon Background from Gamma Rays in Sub-GeV Dark Matter Detectors

Monday 26 September 2022 18:15 (15 minutes)

Presenter: SHOJI, Yutaro

Session Classification: Parallel 2

Contribution ID: 71

Type: **not specified**

Searches of New Physics with the IceCube Neutrino Observatory

Wednesday 28 September 2022 14:00 (25 minutes)

Presenter: AGUILAR SÁNCHEZ, Juan Antonio

Session Classification: Dark Matter

Contribution ID: 72

Type: **not specified**

Dark Matter Signals in Hyper-Kamiokande

Wednesday 28 September 2022 14:25 (25 minutes)

Presenter: BELL, Nicole

Session Classification: Dark Matter

Contribution ID: 73

Type: **not specified**

Nu scalar in the early Universe and (g-2)

Wednesday 28 September 2022 15:15 (25 minutes)

Presenter: LIU, Jia

Session Classification: Dark Matter

Contribution ID: 74

Type: **not specified**

A possible new Dark Matter Search Experiment in Space

Wednesday 28 September 2022 14:50 (25 minutes)

Presenter: SOLOMEY, Nickolas

Session Classification: Dark Matter

Contribution ID: 75

Type: **not specified**

Neutrino Portal to Freeze-in Dark Matter

Wednesday 28 September 2022 15:40 (25 minutes)

Presenter: DEV, Bhupal

Session Classification: Dark Matter

Contribution ID: 76

Type: **not specified**

Thermal Axions: Production Mechanisms and Cosmological Signals

Wednesday 28 September 2022 08:30 (25 minutes)

Presenter: D'ERAMO, Francesco

Session Classification: Neutrinos & DM

Contribution ID: 77

Type: **not specified**

Muon $g-2$ in Light of LHC and DM Experiments

Wednesday 28 September 2022 09:20 (25 minutes)

Presenter: UN, Cem Salih

Session Classification: Neutrinos & DM

Contribution ID: 78

Type: **not specified**

Dark Matter/Dark sectors searches at neutrino fixed target experiment.

Wednesday 28 September 2022 09:45 (25 minutes)

Presenter: FRUGIUELE, Claudia

Session Classification: Neutrinos & DM

Contribution ID: 79

Type: **not specified**

Impact of Non-Perturbative Effects on Simplified t-Channel Dark Matter Models

Wednesday 28 September 2022 10:10 (25 minutes)

Presenter: BECKER, Mathias

Session Classification: Neutrinos & DM

Contribution ID: **80**

Type: **not specified**

Connecting the Extremes: A Story of Supermassive Black Holes and Ultralight Dark

Tuesday 27 September 2022 18:40 (25 minutes)

Presenter: DENTON, Peter

Session Classification: Neutrino & DM

Contribution ID: **81**

Type: **not specified**

Non-zero θ_{13} with $A_4 \times Z_4$ flavour symmetry group

Wednesday 28 September 2022 11:00 (15 minutes)

Presenter: PUYAM, Victoria

Session Classification: Parallel 1: Neutrinos

Contribution ID: 82

Type: **not specified**

Neutrino Mass Ordering - Circumventing the Challenges using Synergy between INO, T2HK and JUNO

Wednesday 28 September 2022 11:15 (15 minutes)

Presenter: RAIKWAL, Deepak

Session Classification: Parallel 1: Neutrinos

Contribution ID: 83

Type: **not specified**

Energy-dependent flavor ratios, cascade/track spectrum tension and high-energy neutrinos from magnetospheres of supermassive black holes

Wednesday 28 September 2022 11:30 (15 minutes)

Presenter: RIABTSEV, Kirill

Session Classification: Parallel 1: Neutrinos

Contribution ID: 84

Type: **not specified**

Clockwork Fermions contribution to neutrino mass generation and Charged Lepton Flavor Violation $l_i \rightarrow l_j + \gamma$

Wednesday 28 September 2022 11:45 (15 minutes)

Presenter: GHOSH, Gayatri

Session Classification: Parallel 1: Neutrinos

Contribution ID: 85

Type: **not specified**

Testable Leptogenesis Paradigm via Gravitational Waves

Wednesday 28 September 2022 12:00 (15 minutes)

Presenter: DASGUPTA, Arnab

Session Classification: Parallel 1: Neutrinos

Contribution ID: **86**

Type: **not specified**

Coherent neutrino scattering and the quenching factor

Wednesday 28 September 2022 12:15 (15 minutes)

Presenter: LIAO, Jiajun

Session Classification: Parallel 1: Neutrinos

Contribution ID: 87

Type: **not specified**

Non-standard neutrino interactions in light mediator models at reactor experiments.

Wednesday 28 September 2022 12:30 (15 minutes)

Presenter: GHOSH, Sumit

Session Classification: Parallel 1: Neutrinos

Contribution ID: **88**

Type: **not specified**

Type II Seesaw Leptogenesis

Wednesday 28 September 2022 12:45 (15 minutes)

Presenter: BARRIE, Neil

Session Classification: Parallel 1: Neutrinos

Contribution ID: 89

Type: **not specified**

Neutrino Physics and dark matter signals in simple and well-motivated supersymmetric models

Wednesday 28 September 2022 11:00 (15 minutes)

Presenter: LOPEZ-FOGLIANI, Daniel E.

Session Classification: Parallel 2: Dark Matter

Contribution ID: **90**

Type: **not specified**

New results from PandaX-4T experiment

Wednesday 28 September 2022 11:15 (15 minutes)

Presenter: ZHOU, Xiaopeng

Session Classification: Parallel 2: Dark Matter

Contribution ID: 91

Type: **not specified**

Introduction to the neutrino and darkmatter detections of Liquid-Ar and LS

Wednesday 28 September 2022 11:30 (15 minutes)

Presenter: WANG, Zhimin

Session Classification: Parallel 2: Dark Matter

Contribution ID: 92

Type: **not specified**

Planetary Defense and Space Quantum Technology for Dark Matter Search

Wednesday 28 September 2022 11:45 (15 minutes)

Presenter: TSAI, Yu-Dai

Session Classification: Parallel 2: Dark Matter

Contribution ID: 93

Type: **not specified**

Dark Energy in Mass Varying Neutrino Models

Wednesday 28 September 2022 12:00 (15 minutes)

Presenter: MAZIASHVILI, Michael

Session Classification: Parallel 2: Dark Matter

Contribution ID: 94

Type: **not specified**

Probing Dark Sectors with Evaporating Black Holes

Wednesday 28 September 2022 12:15 (15 minutes)

Presenter: BAKER, Michael

Session Classification: Parallel 2: Dark Matter

Contribution ID: 95

Type: **not specified**

First dark matter search results from the LZ experiment

Wednesday 28 September 2022 12:30 (15 minutes)

Presenter: STIFTER, Kelly

Session Classification: Parallel 2: Dark Matter

Contribution ID: 96

Type: **not specified**

Neutrino many-body problem with tensor network methods

Wednesday 28 September 2022 16:30 (15 minutes)

Presenter: SIWACH, Pooja

Session Classification: Parallel 3: Neutrinos

Contribution ID: 97

Type: **not specified**

Constraining sterile neutrinos using decay width measurements of SM bosons

Wednesday 28 September 2022 16:45 (15 minutes)

Presenter: SAHOO, Lopamudra

Session Classification: Parallel 3: Neutrinos

Contribution ID: 98

Type: **not specified**

An accurate evaluation of (anti-)neutrino scattering on nucleons

Wednesday 28 September 2022 17:00 (15 minutes)

Presenter: VIGNAROLI, Natascia

Session Classification: Parallel 3: Neutrinos

Contribution ID: 99

Type: **not specified**

Neutrino oscillations induced by chiral torsion

Wednesday 28 September 2022 17:15 (15 minutes)

Presenter: BARICK, Riya

Session Classification: Parallel 3: Neutrinos

Contribution ID: **100**

Type: **not specified**

Constraining BSM models with precision measurements at future long baseline neutrino experiments

Wednesday 28 September 2022 17:30 (15 minutes)

Presenter: GIARNETTI, Alessio

Session Classification: Parallel 3: Neutrinos

Contribution ID: **101**

Type: **not specified**

Search for dark matter signatures with ANTARES and KM3NeT

Wednesday 28 September 2022 16:30 (15 minutes)

Presenter: GOZZINI, Sara Rebecca

Session Classification: Parallel 4: Dark Matter

Contribution ID: **102**

Type: **not specified**

Covariant density and velocity perturbations of the quasi-Newtonian cosmological model in $f(T)$ gravity

Presenter: ABDULRAHMAN, Heba

Session Classification: Parallel 4: Dark Matter

Contribution ID: **103**

Type: **not specified**

Particle dispersion in the classical vector dark matter background

Presenter: CHUN, Eung Jin

Session Classification: Parallel 4: Dark Matter

Contribution ID: **104**

Type: **not specified**

Constraining Dark Matter - Neutrino interaction by present and future Cosmological observations

Wednesday 28 September 2022 16:45 (15 minutes)

Presenter: PAL, Supratik

Session Classification: Parallel 4: Dark Matter

Contribution ID: **105**

Type: **not specified**

Dark matter freeze-out and freeze-in beyond kinetic equilibrium

Wednesday 28 September 2022 17:00 (15 minutes)

Presenter: HRYCZUK, Andrzej

Session Classification: Parallel 4: Dark Matter

Contribution ID: **106**

Type: **not specified**

Accurate modelling of radio synchrotron emissions from WIMP dark matter

Wednesday 28 September 2022 17:15 (15 minutes)

Presenter: SARKIS, Michael

Session Classification: Parallel 4: Dark Matter

Contribution ID: **107**

Type: **not specified**

Non-standard neutrino scenarios and the cosmos

Sunday 25 September 2022 17:20 (25 minutes)

Presenter: MENA, Olga

Session Classification: Neutrino Theory

Contribution ID: **108**

Type: **not specified**

Higgs portal vector dark matter interpretation: review of Effective Field Theory approach and ultraviolet complete models

Tuesday 27 September 2022 19:05 (25 minutes)

Presenter: Dr ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Session Classification: Neutrino & DM

Contribution ID: **109**

Type: **not specified**

Reparametrization symmetry in neutrino oscillation

Wednesday 28 September 2022 08:55 (25 minutes)

Presenter: MINAKATA, Hisakazu

Session Classification: Neutrinos & DM

Contribution ID: 110

Type: **not specified**

IceCube Observation of Neutrinos from High-Energy Blazars and their production mechanism

Tuesday 27 September 2022 18:15 (25 minutes)

Presenter: SAHU, Sarira

Session Classification: Neutrino & DM

Contribution ID: 111

Type: **not specified**

Exploring the lifetime and cosmic frontier with the proposed MATHUSLA experiment

Tuesday 27 September 2022 17:00 (25 minutes)

Presenter: ROBERTSON, Steven

Session Classification: Neutrino & DM

Contribution ID: 112

Type: **not specified**

Directional Dark Matter Search with News-dm

Tuesday 27 September 2022 17:25 (25 minutes)

Presenter: ROSA, Giovanni

Session Classification: Neutrino & DM

Contribution ID: 113

Type: **not specified**

Dark Neutrino Search with the Short-Baseline Near Detector

Wednesday 28 September 2022 17:45 (15 minutes)

Presenter: DE ICAZA ASTIZ, Iker Loic

Session Classification: Parallel 3: Neutrinos

Contribution ID: 114

Type: **not specified**

Particle dispersion in the classical vector dark matter background

Tuesday 27 September 2022 19:30 (25 minutes)

Presenter: CHUN, Eung Jin

Session Classification: Neutrino & DM

Contribution ID: 115

Type: **not specified**

Sterile Neutrino Dark Matter and Neutrino Self-interaction

Presenter: ZHANG, Yue

Session Classification: Neutrino Experimental

Contribution ID: 116

Type: **not specified**

Sterile Neutrino Dark Matter and Neutrino Self-interaction

Sunday 25 September 2022 19:00 (25 minutes)

Presenter: ZHANG, Yue

Session Classification: Neutrino Theory

Contribution ID: **117**

Type: **not specified**

Latest Oscillation Results from MicroBooNE

Sunday 25 September 2022 15:15 (25 minutes)

Presenter: BISHAI, Mary

Session Classification: Neutrino Experimental

Contribution ID: **118**

Type: **not specified**

nu-p process nucleosynthesis in neutrino-driven outflows in core-collapse supernovae

Monday 26 September 2022 18:30 (15 minutes)

Presenter: PATWARDHAN, Amol

Session Classification: Parallel 1

Contribution ID: **119**

Type: **not specified**

Axion searches with neutrino experiments

Monday 26 September 2022 10:35 (25 minutes)

Presenter: HOUSTON, Nick

Session Classification: Gravity & DM

Contribution ID: **120**

Type: **not specified**

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Presenter: NORAN, noran