



# TeVPA 2023 - Napoli Italy

## Monday, 11 September 2023

### IDM: Indirect DM searches (14:00 - 16:00)

time	[id] title	presenter
14:00	[82] Indirect dark-matter searches with gamma-rays experiments : status and future plans from KeV to TeV	Dr MORSELLI, Aldo
14:15	[50] Search for Dark Matter Annihilation from the Milky Way Dwarf Spheroidal Galaxies with Fermi-LAT	MCDANIEL, Alex
14:30	[140] An indirect search for Dark Matter with a combined analysis of dwarf spheroidal galaxies from VERITAS	TAK, Donggeun
14:45	[130] Search for dark matter annihilation with a combined analysis of dwarf spheroidal galaxies from Fermi-LAT, HAWC, H.E.S.S., MAGIC and VERITAS	KERSZBERG, Daniel
15:00	[326] BSM Searches with Wide-field of View TeV Observatories	ALBERT, Andrea
15:15	[256] On the gamma-ray emission of Milky Way satellites and globular clusters	EVANS, Addy
15:30	[162] How the dynamical properties of globular clusters impact their $\gamma$ -ray and X-ray emission	DE MENEZES, Raniere Maciel
15:45	[42] Probing Dark Matter-Proton Interactions with Cosmic Reservoirs	AMBROSONE, Antonio

### IDM: Indirect DM searches (16:30 - 18:30)

time	[id] title	presenter
16:30	[47] The most conservative accretion bounds on Primordial Black Holes	GAGGERO, Daniele
16:45	[258] Searches for exotic objects among Fermi-LAT gamma-ray sources with (weakly) supervised machine learning	NIPPEL, Kathrin
17:00	[301] An Improved Dark Halo Analysis with MADHAT v2.0	SANDICK, Pearl
17:15	[35] X-rays constraints on sub-GeV Dark Matter	KOECHLER, Jordan
17:30	[229] Multi-messenger lifetime constraints on heavy decaying dark matter	HAJJAR MUÑOZ, Rasmi
17:45	[150] Decay of heavy dark matter at future ultra-high-energy neutrino telescopes: enhanced potential of joint energy and angular analysis	FIORILLO, Damiano
18:00	[107] New Bounds on Monopoles from Intergalactic Magnetic Fields	Mr PERRI, Daniele
18:15	[38] White dwarf cooling through dark sector physics	HOEFKEN ZINK, Jaime

# Tuesday, 12 September 2023

## IDM: Indirect DM searches (14:00 - 16:00)

time	[id] title	presenter
14:00	[151] CR antinuclei predictions and their detectability in the next years	DE LA TORRE LUQUE, Pedro
14:15	[231] Fast and accurate AMS-02 antiproton likelihoods for global dark matter fits	KORSMEIER, Michael
14:30	[196] Forging anti-helium in a dark matter crucible	MATHUR, Anubhav
14:45	[237] Dark Matter Capture and Thermalization in Neutron Stars	ROBLES, Sandra
15:00	[324] Neutrino and Gamma-ray Signatures from Inelastic Dark Matter Annihilation around Neutron Stars	LIU, Qinrui
15:15	[92] Sourcing axions in the magnetospheres of neutron stars	NOORDHUIS, Dion
15:30	[57] New Physics through a Multimessenger Lens: Searching for Axion-like Particles from Transient Astrophysical Events	CRNOGORCEVIC, Milena
15:45	[141] Constraints on axion-like particles with the Perseus Galaxy Cluster with MAGIC	BATKOVIC, Ivana

## IDM: Indirect DM searches (16:30 - 18:30)

time	[id] title	presenter
16:30	[73] Overcoming limitations to ALP parameter inference using Neural Ratio Estimation	KLUGE, Gert
16:45	[114] Implications of Space Plasma Instabilities for TeV Astrophysics and Light Dark Matter	GHOSH, Oindrila
17:00	[20] Energy conservation and axion back-reaction in an external magnetic field	SIVERTSEN, Lars
17:15	[276] Implications of photon-ALP oscillations in extragalactic neutrino source TXS 0506+056	PANT, Bhanu Prakash
17:30	[337] Axion Star Explosions: A New Source for Axion Indirect Detection	Prof. FAIRBAIRN, Malcolm
17:45	[334] CMB and Lyman- $\alpha$ constraints on dark matter decays to photons	CAPOZZI, Francesco

# Thursday, 14 September 2023

## IDM: Indirect DM searches (16:30 - 18:30)

time	[id] title	presenter
16:30	[54] The Status of the Galactic Center Gamma-Ray Excess	HOOPER, Dan
16:45	[264] Unresolved gamma-ray point sources in the inner Galaxy at $E > 10$ GeV	Dr MANCONI, Silvia
17:00	[217] A search for neutrinos from dark matter in the Galactic Centre with IceCube	CHAU, Nhan
17:15	[207] Constraints on LIV using Mrk421 flare from 2014	STRIŠKOVIĆ, Jelena
17:30	[300] Kinetic Simulations of Collisionless Shock Formation in the Dark Sector	GIFFIN, Pierce
17:45	[128] Constraining milli-charged particles with tip of the red giant branch brightness	FUNG, Audrey
18:00	[249] Cosmological implications of photon-flux upper limits at ultra-high energies in scenarios of Planckian-interacting massive particles for dark matter	DELIGNY, Olivier