



# 27th Symposium on Astroparticle Physics in the Netherlands, 20/21 June 2023

## Tuesday, 20 June 2023

### Contributed talks: Session 1: Dark matter (14:30 - 15:45)

time	[id] title	presenter
14:30	[11] Search for Self-annihilating Dark Matter around Intermediate Mass Black Holes with the H.E.S.S. experiment	ASCHERSLEBEN, Jann
14:45	[12] XAMS: XENON R&D in Amsterdam	FLIERMAN, Maricke
15:00	[13] Non-standard photon and neutrino spectra from Dark Matter	KIP, Jochem
15:15	[46] Sourcing axions in the magnetospheres of neutron stars	NOORDHUIS, Dion
15:30	[49] Resolving relics from the early universe	EL MORABIT, Saad

### Contributed talks: Session 2: UHE cosmic rays (16:15 - 17:15)

time	[id] title	presenter
16:15	[16] Constraining the sources of ultra-high-energy cosmic rays with data from the Pierre Auger Observatory	BISTER, Teresa
16:30	[17] Status of the Auger Radio Detector	HOERANDEL, Joerg
16:45	[18] Photon sensitivity of Augerprime	ISMAIEL, Mohamed
17:00	[19] Search for ultra-high neutrinos using the hybrid detector at Pierre Auger Observatory	KHAKURDIKAR, Abha

# Wednesday, 21 June 2023

## **Contributed talks: Flash Talks (10:00 - 10:30)**

time	[id] title	presenter
10:00	[29] Radio Interferometry for cosmic ray particle identification	BWEMBYA, Anthony
10:03	[30] Detecting neutrinos on the AUGER radio upgrade	CARVALHO JR, Washington
10:06	[31] Seismic isolation for the next generation of gravitational-wave detectors	VALENTINI, Michele
10:09	[32] Machine Learning the Universe	SAVCHENKO, Oleg
10:12	[33] The Radar Echo Telescope	GOPINATH, Krishna Nivedita
10:15	[35] Cosmic Particles	TIMMERMANS, Charles

## **Contributed talks: Experimental developments in Astroparticle Physics (13:30 - 14:30)**

time	[id] title	presenter
13:30	[21] Neutrino structure functions from GeV to EeV energies	RABEMANANJARA, Radonirina
13:45	[22] Probing the Secrets of Neutrinos with the DUNE Experiment	VAN NULAND, Marjolein
14:00	[23] Possible irreducible background for neutrinoless double beta decay in KamLAND: muon spallation on xenon.	WEERMAN, Kelly
14:15	[48] Sequential simulation based inference for gravitational waves.	BHARDWAJ, Uddipta

## **Contributed talks: Session 4: theoretical developments in astroparticle physics (14:45 - 15:45)**

time	[id] title	presenter
14:45	[24] Quantum theory and the maximum mass of stars.	REYES, Ignacio
15:00	[25] The role of electron capture decay in the context of galactic cosmic rays in the precision era.	BORCHIPELLINI, Marta
15:15	[26] Observational constraints on the rate of stellar-mass Black Hole mergers inside luminous Active Galactic Nuclei	VERONESI, Niccolò
15:30	[52] Non thermal X ray emission from SN remnants	VINK, Jacco