

UHE Gamma Rays - Yerevan 2023

Time	Tuesday 10.10.23
9:00-9:10	Felix Aharonian: Welcome/Introduction
9:10-9:35	Zhen Cao: Overview of LHAASO
9:35-10:00	Shaoqiang Xi: The gamma-ray sources detected by LHAASO-KM2A at energies above 100TeV
10:00-10:25	Shicong Hu: The VHE gamma-ray sources detected by LHAASO-WCDA
10:25-11:00	Coffee break
11:00-11:25	Reshmi Mukherjee: The VERITAS View of the Extreme Universe
11:25-11:50	Pasquale Blasi: Mechanisms of cosmic ray self-confinement around sources
11:50-12:15	Brian Reville: Gamma-Rays from Novae (tbc)
12:15-14:15	Lunch break
14:15-14:40	Barbara Olmi: Particles escaping from evolved pulsar wind nebulae
14:40-15:05	Giovanni Morlino: Particle acceleration in star clusters (tbc)
15:05-15:30	Alison Mitchell: Gamma-ray emission from interstellar clouds in the vicinity of supernova remnants
15:30-16:00	Coffee break
16:00-16:25	Silvia Celli: Non-thermal emission from cosmic-ray illuminated clouds nearby young stellar clusters
16:25-16:50	Siming Liu: LHAASO Observations of Particle Acceleration in Supernova Remnants
16:50-17:15	Zhe Li: Evidence of Supernova Remnant W51C Accelerating Cosmic Rays to Sub-PeV Energies Unveiled by LHAASO
17:15-17:40	Laura Olivera Nieto: TeV emission from micro-quasars jets
Evening	19:00 Reception

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Time	Wednesday 11.10.23
9:15-9:40	Songzhan Chen: Observation of Ultra-high energy gamma-ray emission from Crab Nebula with LHAASO
9:40-10:05	Tim Linden: TeV emission around powerful pulsars (tbc)
10:05-10:30	Ruoyu Liu: Pulsar halos as a leptonic origin of TeV-PeV diffuse Galactic gamma-ray emission
10:30-11:15	Coffee break
11:15-11:40	Cong Li: Observation of Cygnus region with LHAASO
11:40-12:05	Ruizhi Yang: Gamma-ray emissions from young massive clusters
12:05-12:30	Roland Crocker: The displaced TeV signal of globular cluster Terzan 5 and its implications for CR transport
12:30-14:15	Lunch break
14:15-14:40	Thibault Vieu: Superbubbles and CR acceleration (tbc)
14:40-15:05	Qiang Yuan: Measurement of ultra-high energy diffuse gamma-ray emission from the Galactic plane with LHAASO
15:05-15:30	Sabrina Casanova: Gamma-ray emission with HAWC
15:30-15:55	Giada Peron: Diffuse emission from clouds
15:55-16:20	Coffee break
16:20-16:45	Quentin Remy: Past and future Galactic Plane Surveys: from H.E.S.S. to CTA
16:45-17:10	Gwenael Giacinti: UHE diffuse gamma-ray emission (tbc)
17:10-17:35	Ruben Lopez-Coto: Gamma-Rays from Geminga
17:35-18:00	Naomi Tsuji: X-ray observations of PeVatron candidate sources
Evening	

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Time	Thursday 12.10.23
9:00-9:25	Kathrin Egberts: CR electron spectrum (tbc)
9:25-9:50	Carmelo Evoli: On the origin of high-energy breaks in the Galactic cosmic-ray spectrum
9:50-10:15	Shoushan Zhang: Status and Prospect of Cosmic Rays Measured by LHAASO
10:15-10:40	Liqiao Yin: Status and Prospect of cosmic rays iron spectrum with energy from 100 TeV to 10 PeV measured by LHAASO
10:40-11:15	Coffee break
11:15-11:40	Sergey Troitsky: Galactic Diffuse Neutrino Flux and its Multimessenger Implications
11:40-12:05	Stefano Vercellone: The ASTRI Mini-Array Science Program
12:05-12:30	Roberta Zanin: Galactic Science with CTA
12:30	Lunch break
	Excursion
Evening	19:30 Conference Dinner (Seasons Restaurant, Mesrop Mashtots Ave)

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Time	Friday 13.10.23
9:30-9:55	Emma de Ona Wilhelmi: Discovery of a new radiation component from the Vela pulsar reaching 20 TeV
9:55-10:20	Pol Bordas: Particle escape from runaway sPWNe
10:20-10:45	Dmitry Khangulyan: Gamma-ray binaries (tbc)
10:45-11:15	Coffee break
11:15-11:40	Maxim Barkov: 3D RMHD simulations of the Gamma-ray binaries
11:40-12:05	Emmanuel Moulin: Gamma-rays from the Galactic Centre
12:05-12:30	Frank Rieger: The Galactic Center Black Hole as Cosmic Particle Accelerator
12:30-14:15	Lunch break
14:15-14:40	Elisabete de Gouveia Dal Pino: Is Sgr A* a Proton PeVatron? Answers from 3D GRMHD simulations and Magnetic Reconnection
14:40-15:05	Andrea Giuliani: Prospects for PeVatron studies with the ASTRI Mini-Array
15:05-15:30	Nikolay Budnev: The Taiga hybrid detector complex
15:30-15:55	Ulisses Barres: The Southern Wide-Field Gamma-ray Observatory, SWGO.
15:55-16:30	Coffee break
16:30-16:45	Felix Aharonian: Conclusions/Outlook