Session Program

14-24 Jul 2025



ICRC 2025 - The Astroparticle Physics Conference

SH

CICG - International Conference Centre - Geneva, Switzerland 17 rue de Varembé CH - 1211 Geneva Switzerland

Tuesday 15 July

13:20

SH: neutron monitors

Session | Location: Room 4

13:20-13:35

HLEA and THIMON: Strengthening Neutron Monitor Observations from Haleakalā

Speaker

Veronica Bindi

13:35-13:50

Cosmic-Ray Spectral Variations during 2007-2025 with Neutron Monitor Time-Delay Measurements at High Cutoff Rigidity

Speaker

Chanoknan Banglieng

13:50-14:05

Hourly measurements of cosmic-ray spectral variation during Forbush decreases using ground-based neutron and muon detectors

Speaker

Warit Mitthumsiri

14:05-14:20

Monte Carlo Simulations of Multiple-secondary Cosmic Ray Detection by Neutron Detectors in Mawson Station, Antarctica

Speaker

Mehak kanwal

14:20-14:35

A Simulation Study of the Response of the Princess Sirindhorn Neutron Monitor and Bare Counters to Solar Neutrons

Speaker

Areej kazmi

14:35-14:50

Response Functions of a Neutron Monitor from the 2023-24 Latitude Survey Aboard the Araon Icebreaker

Speaker

Prof. Waraporn Nuntiyakul

14:50 15:20

SH: Instrumentation

Session | Location: Room 4

15:20-15:35

Observation of the Moon and Sun Shadows with the ALPAQUITA Air Shower Array in Bolivia

Speaker

Dr Kazumasa Kawata

15:35-15:50

Design, Assessment, and Calibration of the Moon-Aiming Thai-Chinese Hodoscope for Observing Cosmic Ray Electrons, Solar Energetic Particles, and Lunar Albedo lons

Speaker

Dr Kunlanan Puprasit

15:50-16:05

Comprehensive Study of the Lunar Energetic Particle Environment with LunPAN

Speaker

Dr Johannes Hulsman

16:05-16:20

Technical design of the first Thai Space Consortium Satellite (TSC-1) and Its Polar Orbiting Ion Spectrometer Experiment (POISE) Payload

Speaker

Sunruthai Burom

16:20-16:36

Advancing Solar and Heliospheric Studies with the CSES Programme

Speaker

Roberto Iuppa

Wednesday 16 July

13:20

SH: Solar modulation

Session | Location: Room 4

13:20-13:35

Cosmic-ray modulation over the past 10 years observed with CALET on the International Space Station

Speaker

Shoko Miyake

13:35-13:50

Precision Measurement of Daily Proton and Helium Fluxes by the Alpha Magnetic Spectrometer

Speaker

Francesco Faldi

13:50-14:05

Study of Forbush decrease in Cosmic-Ray Electron plus Positron events detected with DAMPE

Speaker

Wenhao Li

14:05-14:20

The Sun-Earth environment between the 24th and 25th solar cycles: observations and results from the High-Energy Particle Detector (HEPD-01) onboard the CSES-01 satellite

Speaker

Matteo Martucci

14:20-14:35

Surprising Variation of Gamma Rays from the Sun over the Solar Cycle Revealed with Fermi

Speaker

Silvia RAINO'

14:35-14:50

Study the relationship between Galactic Cosmic Rays' 27 day recurrent variation and Corotating Interaction Region

Speaker

Xi Luo

14:50 15:20

SH: Solar modulation

Session | Location: Room 4

15:20-15:35

Multi-spacecraft observations of the 27-day periodicity in galactic protons from 2018 to 2019 by the HEPD-01 detector on board the CSES-01 satellite and other experiments

Speaker

Francesco Palma

15:35-15:50

Hourly cadence cosmic ray modulation parameter ϕ at first glance: Challenges and possibilities

Speaker

Pauli Kalervo Vaisanen

15:50-16:05

Solar modulation of cosmic ray electron and positron flux up to 15 GeV measured with DAMPE

Speaker

Dr Yang Liu

16:05-16:20 COSMICA: A GPU-Optimized Code for Solar Modulation Studies

Speaker

Stefano Della Torre

16:20-16:35

A modelling study of the solar modulation of galactic protons at lower energies over changing solar activity

Speaker

Dzivhuluwani Ndiitwani

16:3517:05

SH: stars and planets

Session | Location: Room 4

17:05-17:20

Cosmogenic 10Be as a tracer of cosmic-ray variability: Atmospheric transport model and its parameterisation

Speaker

Ilya Usoskin

17:20-17:35

Measurement of the neutron spectrum and dose in the SAA region during strong solar activity episodes by the SAMADHA experiment

Speaker

Dr Carlo Francesco Vigorito

17:35-17:50 Galactic cosmic ray fluxes during the lifetime of a red dwarf star

Speaker

Donna Rodgers-Lee

17:50-18:05

Solar Neutrino Data v.s. Standard Core Physics: Reconciling CNO Flux Anomalies via Opacity and Key Nuclear Cross-Section Revisions

Speaker

Prof. Yufeng Li

18:05-18:21

The Influence of SEPs and Cosmic Rays on the Early Earth Atmosphere

SpeakerDonna Rodgers-Lee

Thursday 17 July

13:20

SH: Solar modulation

Session | Location: Room E

13:20-13:35 Aspects of antiproton modulation in the heliosphere

Speaker

Dr Donald Ngobeni

13:35-13:50

Rigidity spectrum of cosmic-ray anisotropy observed by Global Muon Detector Network (GMDN)

Speaker

Masayoshi Kozai

13:50-14:05

Scaler data from the Pierre Auger Observatory as a proxy of solar activity

Speaker

Prof. Carla Taricco

14:05-14:20

Modeling the heliospheric modulation of cosmic-ray particles and antiparticles in light of new multichannel data from AMS-02 in space.

Speaker

Nicola Tomassetti

14:2015:20

SH: heliosphere

Session | Location: Room E

15:20-15:35

A 3D Monte Carlo calculation of the inverse Compton emission from the Sun and stars in presence of magnetic and electric fields

Speaker

Nicola Mazziotta

15:35-15:50

The numerical simulation of the Interplanetary Radiation Environment induced by Galactic Cosmic Rays

Speaker

Xi Luo

15:50-16:05 New constraints in modelling galactic deuterons in the heliosphere

Speaker

Innocentia Itumeleng Ramokgaba

16:05-16:20

Negative and positive electric charge flows through the solar system based on the Voyager data

Speaker

Prof. Antonio Codino

16:20-16:35

Stochastic Simulation of Galactic Cosmic-Rays in the Trapped Region beyond Heliopause

Speaker

XiaoCheng Guo

16:35-16:50 Local Time Variation of Interplanetary Scintillations

Speaker

Prof. Paul Evenson

Friday 18 July

13:20

SH: energetic events

Session | Location: Room E

13:20-13:35

Extreme Solar Energetic Particles Events measured by the Alpha Magnetic Spectrometer.

Speaker

Cristina Consolandi

13:35-13:50

Survey of Fe-rich SEP events observed by Parker Solar Probe/Integrated Science Investigation of the Sun

Speaker

Christina Cohen

13:50-14:05 Active regions with super-productivity in Solar Energetic Particles

Speaker

Silvia Dalla

14:05-14:20

Observations and simulations of decay phases of Solar Energetic Particle events

Speaker

Ruth Hyndman

14:20-14:35 Study of solar activity with AERA at the Pierre Auger Observatory

Speaker

Rogerio Menezes

14:35-14:50

Observations of Solar Gamma-Ray Flares by ISOIS/EPI-Hi/HET on Parker Solar Probe

Speaker

Richard Leske

14:50 15:20

SH: energetic events

Session | Location: Room E

15:20-15:35

On the effect of turbulence on large-scale drifts of solar energetic particles

Speaker

Timo Laitinen

15:35-15:50

Solar event of May 11, 2024 some conclusions on the behavior of cosmic rays

Speaker

Prof. Juan José Blanco Ávalos

15:50-16:05

In-depth analysis of selected major solar events with the HEPP-L particle detector onboard CSES-01 in low-Earth orbit

Speaker

Alessio Perinelli

16:05-16:20

Are extreme solar particle events and superflares related? A probabilistic view

Speaker

Sergey Koldobskiy

16:20-16:35

Ion-rich acceleration during an eruptive flux rope event in a multiple null-point configuration

Speaker

Melissa Pesce-Rollins

16:35-16:50 Solar Energetic Electron Events with a Spectral Bump Break

Speaker

Linghua Wang

16:50 17:05

SH: energetic events

Session | Location: Room E

17:05-17:20

Simultaneous Simulation of the Solar Energetic Protons and the Forbush Decrease in Galactic Cosmic Ray Flux Following the 14 July 2017 Event

Speaker

Dr Igor Sokolov

17:20-17:35

Using Monte Carlo Simulation to Study the Pile-up Effect of CME and CIR-driven Shocks

Speaker

Xin Wang

17:35-17:50

Over-abundant gamma-like signals around Solar disk by smeared and bent electron pairs spiral secondaries feeding TeV gamma by ICS

Speaker

Daniele Fargion

17:50-18:05

Spectra and anisotropy during GLE 74 on 11 May 2024 derived using neutron monitor data

Speaker

Alexander Mishev

18:05-18:21

From Sun to ground: Particle Acceleration and transport in the inner heliosphere

Speaker

Prof. Gang Li