Session Program

Jan 5 – 9, 2025

Haleakalā Neutron Monitor Workshop and Ribbon Cutting Ceremony

Physics / Space Weather, Data Analysis, and Results

Mon, January 6

2:20 PM

Physics / Space Weather, Data Analysis, and Results
Session

2:20 – 2:50 PM **Space Weather Monitoring with the Neutron Monitor Network**

Speaker
Pierre-Simon Mangeard

2:50 – 3:05 PM
The Neutron Monitor of Mexico City as a tool for Space Weather Analysis

Speaker
Franando Monterde-Andrade

3:05 PM

3:20 PM

Physics / Space Weather, Data Analysis, and Results
Session

3:20 – 3:45 PM
Investigating Cosmic Ray Variation with Semi-Leaded Neutron Monitors and Polar Surveys

Speaker
Waraporn Nuntiyakul

3:45 – 4:00 PM
CMU-ESE Research Activities on Space Weather and Cosmic Rays and its impact

Speaker
Siramas Komonjinda

4:00 – 4:15 PM **Ionospheric and Magnetospheric Responses to Space Weather**

Speaker
Suwicha Wannawichian

4:15 – 4:40 PM
Low-Latitude Neutron Monitor Science: Solar Neutrons and Galactic Cosmic Rays at High Cutoff Rigidity

Speaker
David Ruffolo

4:40 – 4:55 PM **Real-time NM leader fractions**

Speaker
Alejandro Sáiz

5:00 PM

Tue, January 7

9:40 AM

Physics / Space Weather, Data Analysis, and Results
Session

9:40 – 9:55 AM **Neutron Monitor yield functions: applications and perspectives**

Speaker
Alexander Mishev

9:55 – 10:20 AM **Calibrating NM on Ground with AMS in Space**

Speaker
Cristina Consolandi

10:30 AM

10:45 AM

Physics / Space Weather, Data Analysis, and Results
Session

10:45 – 11:15 AM
Investigation of Neutron Monitor Response to Cosmic Ray Air Showers.

Speaker
Chloe Heifner

11:15 – 11:35 AM
Unusually long scattering mean-free path of suprathermal ions in the turbulent interplanetary magnetic field

Speaker
Joe Giacalone

11:35 AM – 12:05 PM
Transport of GV Rigidity Solar Energetic Particles in Turbulent and Non-turbulent Interplanetary Magnetic Field and SEP profiles at 1 AU

Speaker
Ashraf Moradi

12:05 PM