Session Program

15–17 Oct 2025

TADAML 2025 - Telescope Array Data Analysis & Machine Learning Workshop 2025

Participant Talks

Institute of Physics, Academia Sinica
No. 128, Sec. 2, Academia Rd., Nangang Dist., Taipei City 115201, Taiwan (R.O.C.)

Wednesday 15 October

09:15

Participant Talks: Tial and Error

Session | **Location:** Institute of Physics, Academia Sinica, Auditorium 1F

09:15–09:40

Measurement of cosmic ray energy spectra with data recorded by the TALE SD

Speaker
Ichiro Komae

09:40–10:05 **TALE infill SD reconstruction**

Speaker
Haruto Matsushita

10:05–10:30 **Muon study with TA SD**

Speaker
Keitaro Fujita

10:30

10:50

Participant Talks: Trial and Error

Session | **Location:** Institute of Physics, Academia Sinica, Auditorium 1F

10:50–11:15 **Study of muons from UHECR wth TA**

Speaker
Yuta Tange

11:15–11:40

Analysis of Inclined Air Showers Observed by the Surface Detector Arrays of TA

Speaker
Chisato Koyama

11:40–12:05 **Evaluating the performance of a FAST only reconstruction**

Speaker
Fraser Bradfield

12:05–12:30 **CNN Reconstruction of Air Shower Events with TA FD**

Speaker
Nakazawa Kanatoshi

12:30

14:00

Participant Talks: Trial and Error

Session | **Location:** Institute of Physics, Academia Sinica, Seminar Room 5F

14:00–14:25

Discussion on Using Unsupervised Machine Learning for Anisotropy Analysis

Speaker
Takayuki Tomida

14:25–14:50

Discussion on Using Unsupervised Machine Learning for Anisotropy Analysis

Speaker
Katsuya Yamazaki

14:50–15:15
Correlation studies between UHECR arrival directions and source candidates

Speaker
Ryo Higuchi

15:30

15:50

Participant Talks: Trial and Error

Session | **Location:** Institute of Physics, Academia Sinica, Seminar Room 5F

15:50–16:15 **Mass identification of Amaterasu particle using machine learning**

Speaker
Kohei Endo

16:15–16:40 **Hybrid Simulation and the Structure of HDF5 for ML Analysis**

Speaker
Atsushi Saito

16:40–16:55
Convolutional Neural Network For Ultra-High-Energy Cosmic Rays Reconstruction at Telescope Array x4

Speaker
Jonathan Huang

17:00