



# Dark Matter and Neutrino Focus Week

## Friday, 22 August 2025

### Pheno Meeting: Session 1 (08:30 - 10:00)

-Conveners: Yongchao Zhang

time	[id] title	presenter
08:30	[43] Detecting Sterile Neutrino Dark Matter at MeV Gamma-Ray Observatories	MATSUMOTO, Shigeki
09:00	[44] Dark matter and neutrino searches with PandaX experiment	ZHOU, Ning
09:30	[45] Status and prospect of CDEX experiment	DAI, Wenhan

### Pheno Meeting: Session 2 (10:30 - 12:00)

-Conveners: Hong-Hao Zhang

time	[id] title	presenter
10:30	[46] Probing Light Dark Matter in Direct Detections and Neutrino Experiments	WU, Lei
11:00	[47] Probing supernova neutrino boosted dark matter with collective excitations	XU, Yanhao
11:30	[48] Electroweak right-handed neutrino portal dark matter	FENG, Wan-Zhe

### Pheno Meeting: Session 3 (13:30 - 15:00)

-Conveners: Xiao-Dong Ma

time	[id] title	presenter
13:30	[49] Neutrinophilic mediators at Forward Physics Facilities	LIAO, Jiajun
14:00	[50] Search for Dark Matter in 2HDMS at LHC and future Lepton Colliders	LI, Cheng
14:30	[51] Enhanced DM constraints via neutrino directional reconstruction	LIU, Qishan

### Pheno Meeting: Session 4 (15:30 - 17:20)

-Conveners: Wei Su

time	[id] title	presenter
15:30	[52] Collinear splitting effects in direct detection of cosmic ray boosted dark matter	LI, Jinmian
16:00	[53] Phenomenology of Elastic and Inelastic Scattering of Blazar-Boosted Dark Matter	Prof. WANG, Jin-Wei
16:30	[55] Detecting Ultralight Dark Matter with Matter Effect	GAN, Xucheng
17:00	[68] Impact of coherent scattering on relic neutrinos boosted by cosmic rays	ZHANG, Jiajie

# Saturday, 23 August 2025

## Pheno Meeting: Session 5 (08:30 - 10:00)

-Conveners: Shao-Long Chen

time	[id] title	presenter
08:30	[56] Large neutrino mass in cosmology and keV sterile neutrino dark matter from a dark sector	Prof. SCHWETZ-MANGOLD, Thomas
09:00	[57] Constraints on neutrino nonstandard interactions from COHERENT, PandaX-4T and XENONnT	LI, Gang
09:30	[58] Sterile Neutrino Oscillations with a Crossing-width Term	TANG, Yi-Lei

## Pheno Meeting: Session 6 (10:30 - 12:00)

-Conveners: Yandong Liu

time	[id] title	presenter
10:30	[59] Matter Asymmetries in Companion Dark Matter Model	Prof. KANG, Zhaofeng
11:00	[60] Inelastic Dirac dark matter in U(1)B-L	Dr HAN, Zhi-Long
11:30	[61] New dynamics for composite dark matter	LI, Lingfeng

## Pheno Meeting: Session 7 (13:30 - 14:50)

-Conveners: Ran Ding

time	[id] title	presenter
13:30	[62] Laser Assisted Search for Light Dark Matter	Prof. MA, Kai
14:00	[63] Coherent Axion Production and Detection through Laser Crystal Interaction	BAI, zhan
14:30	[64] Probing ultralight dark matter with space-based gravitational-wave detectors	YAO, Yuehui

## Pheno Meeting: Session 8 (15:20 - 16:40)

-Conveners: Zuowei Liu

time	[id] title	presenter
15:20	[65] Reactor Neutrinos on Model Independent New Physics Studies with CEvNS	DU, Yong
15:50	[66] RECODE experiment for reactor neutrino CEvNS and dark matter	WU, Yongcheng
16:20	[67] non-holomorphic modular symmetry	QU, Buyao

# Sunday, 24 August 2025

Pheno Meeting: Session 9 (08:30 - 10:00)

-Conveners: Yong Tang

time	[id] title	presenter
08:30	[69] Dark Matter and Primordial Black Hole Constraints from Diffuse Galactic Radio Observations	DING, Ran
09:00	[70] Dark matter searches with cosmic antinuclei	XIAO, Mengjiao
09:30	[71] New ideas to probe ultralight dark matter with radio telescopes	ARZA, Ariel

Pheno Meeting: Session 10 (10:30 - 12:00)

-Conveners: Yun Jiang

time	[id] title	presenter
10:30	[72] Impact of one-loop matter potential on long-baseline neutrino oscillation experiments	ZHOU, Shun
11:00	[73] Constraints on sub-GeV sterile neutrinos in the minimal left-right symmetric model	LU, Sida
11:30	[74] DAMPE and VLAST	YUAN, Qiang