

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]	Stauts 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, Arie1

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