

Neutrino Scattering: Theory, Experiment, Phenomenology (vSTEP 2025)

Report of Contributions

Contribution ID : 29

Type : **not specified**

JUNO status and its prospective neutrino scattering physics

Saturday, 25 October 2025 09:00 (30)

Presenter(s) : LI, Yufeng

Contribution ID : **30**

Type : **not specified**

Neutrino RG Running Effect in Oscillation Experiments

Saturday, 25 October 2025 09:30 (30)

Presenter(s): GE (✉), Shao-Feng (✉) (Tsung-Dao Lee Institute (TDLI), Shanghai Jiao Tong University (SJTU))

Contribution ID : 31

Type : **not specified**

Rare Invisible Decays and Flavorful Light Dark Matter

Saturday, 25 October 2025 10:30 (30)

Presenter(s) : ☒(HE), ☒☒(Xiaogang)

Contribution ID : 32

Type : **not specified**

Theoretical Progress and Status in Neutrino-Hadron Scatterings

Saturday, 25 October 2025 11:00 (30)

Presenter(s) : YAO, De-Liang (XXXX)

Contribution ID : 33

Type : **not specified**

Studies of neutrino interactions at low energies

Saturday, 25 October 2025 11:30 (30)

Presenter(s) : LI, Gang

Contribution ID : 34

Type : **not specified**

Recent progress in coherent elastic neutrino-nucleus scattering theory

Saturday, 25 October 2025 14:00 (30)

Presenter(s) : LIAO, Jiajun (Sun Yat-sen University)

Contribution ID : 35

Type : **not specified**

RECODEXXXXXXXXXXXX

Saturday, 25 October 2025 14:30 (20)

Presenter(s) : YANG, Litao (Tsinghua University)

Contribution ID : 36

Type : **not specified**

Status of CICENNS Experiment

Saturday, 25 October 2025 14:50 (20)

Presenter(s) : XIAO, Xiang

Contribution ID : 37

Type : **not specified**

RELICS Liquid Xenon Reactor Neutrino Experiment

Saturday, 25 October 2025 15:10 (20)

Presenter(s) : WEI, Yuehuan

Contribution ID : **38**

Type : **not specified**

Advances in the modeling matrix elements for nuclear weak processes

Saturday, 25 October 2025 16:00 (30)

Presenter(s) : YAO, Jiangming

Contribution ID : **39**

Type : **not specified**

Neutrino emission in stellar nuclear weak processes

Saturday, 25 October 2025 16:30 (25)

Presenter(s) : WANG, Long-Jun

Contribution ID : **40**

Type : **not specified**

Neutrino-participated interactions in effective field theories

Saturday, 25 October 2025 16:55 (25)

Presenter(s) : MA, Xiao-Dong (scnu)

Contribution ID : 41

Type : **not specified**

Neutrinos and Nucleosynthesis in the Universe

Sunday, 26 October 2025 09:00 (30)

Presenter(s) : KAJINO, Taka

Contribution ID : 42

Type : **not specified**

Heavy neutral lepton searches via the dipole portal

Sunday, 26 October 2025 09:30 (25)

Presenter(s) : LI, Yingying

Contribution ID : 43

Type : **not specified**

New physics searches with MeV-GeV neutrino scatterings

Sunday, 26 October 2025 09:55 (30)

Presenter(s) : TANG, Jian (Sun Yat-sen University)

Contribution ID : 44

Type : **not specified**

Neutrino physics at ultrahigh energies: Glashow resonance and beyond at ultrahigh energy neutrino telescopes

Sunday, 26 October 2025 10:50 (30)

Presenter(s) : HUANG, Guoyuan

Contribution ID : 45

Type : **not specified**

Status and Outlook of the TRIDENT Deep-Sea Neutrino Observatory

Sunday, 26 October 2025 11:20 (20)

Presenter(s) : XIANG, Xin

Contribution ID : 46

Type : **not specified**

XXXXXXXXXXHUNTXXXXXXXXXX

Sunday, 26 October 2025 11:40 (20)

Presenter(s) : ZENG, zongkang (XXXXXXXX)

Contribution ID : 47

Type : **not specified**

Radiative corrections and cross sections in neutrino physics

Saturday, 25 October 2025 17:20 (25)

Presenter(s) : TOMALAK, Sasha



Contribution ID : 48

Type : **not specified**



Sunday, 26 October 2025 14:25 (25)

Presenter(s) : ZHANG, Yu

Contribution ID : 49

Type : **not specified**

Neutrino Research on FASER Experiment

Sunday, 26 October 2025 14:50 (25)

Presenter(s) : ZHANG, Shunliang

Contribution ID : 50

Type : **not specified**

Constraining Non-Standard Neutrino Interactions with Neutral Current Events at Long-Baseline Oscillation Experiments

Sunday, 26 October 2025 15:40 (20)

Presenter(s) : PINHEIRO, Joao Paulo

Contribution ID : 51

Type : **not specified**

Supernova cooling from neutrino-devouring dark matter

Sunday, 26 October 2025 16:00 (20)

Presenter(s) : LIN, Yugen

Contribution ID : 52

Type : **not specified**

Effective field theory approach to neutrino interactions from high to low energies

Sunday, 26 October 2025 16:20 (20)

Presenter(s) : SONG, Chuan-Qiang (HIAS, UCAS)

Contribution ID : 53

Type : **not specified**

R&D of pure CryoCsI Detector for CEvNS from COHERENT

Sunday, 26 October 2025 16:40 (20)

Presenter(s) : KONG, Lingquan

Contribution ID : 54

Type : **not specified**

GENIE Event Generator

Sunday, 26 October 2025 14:00 (25)

Presenter(s) : PLOWS, Komninos John

Contribution ID : 55

Type : **not specified**

Opening remarks