

## **Wednesday 27 August**

18:00

Poster session

**Session** | **Location:** International Conference Center

18:00-20:00 Study of Ionization Channel Signals for Dual-Phase Argon TPC

Speaker

YiKe Shu

18:00-20:00

Gd-PMMA: a novel neutron tagging technology for low background detectors.

**Speaker** 

Lei Chen

18:00-20:00

AXEL: development of a high-voltage distribution system and low-mass field cage for construction of a next large detector

Speaker

Hayato SASAKI

18:00-20:00 JUNO as 2 MeV Water Cherenkov Detector

Speaker

Dian Li

18:00-20:00

Characterization and simulation of the low background GAGG neutron detector

Speaker

Yingjie Chu

18:00-20:00 Neganov-Trofimov-Luke light detectors in 0vbb experiments

Speaker

Hawraa Khalife

18:00-20:00

**CERES: Cryogenic Experiment to Reconstruct Energy Systematics in TeO2** bolometers

Speaker

Tong Zhu

18:00-20:00

Theoretical Constraints and Their Implications for Neutrinoless Double-\$\beta\$ Decay Probes

Speaker

Dr Manoj Kumar Singh

18:00-20:00

Measurement of the branching ratio of 16N, 15C, and 12B isotopes through the nuclear muon capture reaction in the Super-Kamiokande detector

Yuto Maekawa

18:00-20:00

**AXEL Experiment: Research and Development of a Novel Xenon Gas Scintillation Detector** 

Speaker

Soki Urano

18:00-20:00

Core-Collapse Supernova monitor study during the JUNO filling phase

Speaker

YIXUAN JIANG

18:00-20:00

Study on XY Position Reconstruction in DArTPC with Au Dots Calibration

Speaker

Jilong Yin

18:00-20:00

Investigation of neutron background and the effect on dark matter search with a spherical proportional counter

Speaker

Mr Motlatsi Vincent Mahanyapane

18:00-20:00

Neutrino-Oxygen interaction measurement at the Supernova neutrino energy regime with Spallation Neutron Source in Oak Ridge National Laboratory

Speaker

Masayuki Harada

18:00-20:00

Validating NCQE interaction observables with T2K beam data for DSNB search in Super-Kamiokande

Speaker

Licheng FENG

18:00-20:00 The XENONnT Neutron Veto

Masashi Yoshida

18:00-20:00

NEWAGE: Status of underground direction-sensitive dark matter search with lowbackground gaseous TPC

Speaker

Ryota Namai

18:00-20:00

**Modeling of Low Temperature and Low Noise Devices** 

Speaker

Prof. 仲茂 李

18:00-20:00 Low-Threshold Analysis for Low-Mass WIMP Search with COSINE-100

Speaker

Wonkyung Kim

18:00-20:00 Characterization of Liquid Scintillator at Cryogenic Temperatures

**Speakers** 

若 , 予 🛭 黄, 培源 李, 志 李, 玄 傅

18:00-20:00

Production of ultra-low-background NaI(TI) crystals for the SABRE experiment

Speaker

Krzysztof Szczepaniec

18:00-20:00

Ultra-Low background germanium spectrometers at the China Jinping Underground Laboratory

Speaker

Jikai Chen

18:00-20:00

Radon Reduction Strategies and Detection Techniques for Ultra-Clear Liquid Nitrogen in the CDEX Experiment

Speaker

Qianyun Li

18:00-20:00 Integrate Sensor for Spherical Proportional Counter

Speaker

Dr Ali DASTGHEIBI FARD

18:00-20:00 Purity control and measurement in liquid xenon detectors

Speaker

景凡 谷

18:00-20:00

Kr85 Background Estimation for Solar pp Neutrino Measurement in XENONnT

Speaker

Yoshino Kaminaga

18:00-20:00

Performance Validation of the VSTT: An Upgraded CUPID Prototype Tower with Neganov-Luke Enhanced Light Detectors

Speaker

Irene Nutini

18:00-20:00 Helium Recycling System For SuperNEMO

**Speaker** 

Penghui Li

18:00-20:00

On the detection strategy of inclined air showers induced by ultra-high-energy particles

Speaker

Dr Chao Zhang

18:00-20:00 An interpretation involving ALPs in the TeV spectrum of GRB 221009A

P. H. Thomas Tam

18:00-20:00

Unveiling the nature of the knee in the cosmic ray energy spectrum with LHAASO results

Speaker

Qin-Yi Cheng

18:00-20:00

Using LHAASO to Search for Ultra-High Energy Gamma-Ray Radiation Enhancement During Crab Nebula Flaring State

Speaker

junyang zhang

18:00-20:00

EBL study with HAWC observations of high-emission states of Mrk 421

Speaker

Ramiro Torres Escobedo

18:00-20:00 High energy multi-messenger signals from symbiotic novae

Speaker

Prantik Sarmah

18:00-20:00 Cosmic-ray sun shadow observation beyond TeV with LHAASO

Speaker

Houdi Xing

18:00-20:00

Simulation and Design of a Water Cherenkov Veto for the PandaX-xT Experiment

Speaker

Yuxin Tian

18:00-20:00 Water Cherenkov Veto for the PandaX-4T Experiment

Speakers

予 】 黄, 培源 李, 建琴 , 曼娜 , 熙元 邵, 裕杰 葛

18:00-20:00

Diagnosing the origin of dense circumstellar material in a multi-energy neutrino astronomical approach

Speaker

Yosuke Ashida

18:00-20:00

Progress on the Readout Electronics and Data Acquisition System for the NvDEx-100 Experiment

**Speakers** 

Lei Lang, Kai Chen, Chaosong Gao

18:00-20:00

Performance Evaluation of a New Sensor for the T2K Muon Monitor in Neutrino Beam Direction Measurements

Yukine Sato

18:00-20:00

Status of the development of the water tank Instrumentation of LEGEND1000

Speaker

**Tobias Sterr** 

18:00-20:00

**Background Modeling of AMoRE-I** 

Speaker

Mr B. Bhandari

18:00-20:00

Development and characterization of the JNE concentrator

**Speaker** 

Shuai Ouyang

18:00-20:00

Muon-induced backgrounds in the AMoRE-II underground detector

Speaker

Jeewon Seo

18:00-20:00

Development of a spring-mass vibration damping system for a Jinping bolometric demonstrator experiment

**Speaker** 

Huaqi Cao

18:00-20:00

Study of delayed electron background in liquid and gaseous xenon detectors

Speaker

Yang Lei

18:00-20:00

Combined search for cosmic neutrino sources with ANTARES and KM3NeT/ARCA

Speaker

Vittorio Parisi

18:00-20:00

Plastic scintillator cosmic ray anti-coincidence system in RECODE experiment

Speakers

Mr Enyi Xie, Ms Xiaoxue Yan, Yantao Wang

18:00-20:00 **Res** 

Research of large balloon production for KamLAND2

Speaker

Natsu Obata

18:00-20:00

Recent R&D Progress Towards a Bolometric  $0\nu\beta\beta$  Experiment at China Jinping Underground Laboratory

**Speakers** 

Keyu Shang, 芳

18:00-20:00

Background rejection by Pulse Shape Discrimination in the LEGEND experiment

Raoul Cesarano

18:00-20:00

Study of cryogenic light detector based on germanium for heat-light double readout bolometers

Speaker

Mr Deyong Duan

18:00-20:00

Development of Neutron Transmutation Doped Ge (NTD-Ge) sensors for cryogenic bolometers

Speaker

Mr Deyong Duan

18:00-20:00

Sensitivity of search for double beta decay of 130Te to excited daughter state in CUORE

**Speaker** 

Ridge Liu

18:00-20:00

Design and preliminary Test Results of a prototype LAr veto System for the CDEX-300  $0\nu\beta\beta$  Experiment

Speaker

Yisen Lan

18:00-20:00 CDEX-300\$\nu\$ background simulation

Speaker

Junzheng Wang

18:00-20:00 Calibration system of the JUNO experiment

Speaker

Rui Li

18:00-20:00

SDDs for the measurement of forbidden  $\boldsymbol{\beta}$  spectra of interest to astroparticle physics

Speaker

Andrea Nava

18:00-20:00 Calibration of 20-inch Photomultiplier Tubes in JUNO

Speaker

Yaoguang Wang

18:00-20:00

Development of a Multi-Purpose Optical TPC for Neutron-Induced Reaction Studies at SARAF

Speaker

Dr Ryan Felkai

18:00-20:00

Design and Development of an Electron Lifetime Monitor for Future Noble Element Experiments

GaoShuang Li

18:00-20:00

Cherenkov light separation in organic liquid scintillator for neutrino detection

Speaker

Marco Beretta

18:00-20:00

Neutrino Detector Response Modeling with Several Advanced Machine Learning and Statisical Methods

Speaker

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18:00-20:00

Results from the DsTau(NA65) experiment at the CERN-SPS

Speaker

Ali Murat Guler

18:00-20:00

Extending the sensitivity of heavy sterile neutrino searches with solar neutrino experiments

Speaker

Yutao Zhu

18:00-20:00

Simulation study for the N\$\nu\$DEx Experiment: A Search for Neutrinoless Double Beta Decay of Se-82 Using a High-Pressure Gas TPC

Speaker

tianyu liang

18:00-20:00

Unlocking the keV frontier: low-energy physics with the CUORE experiment

Speaker

Alberto Ressa

18:00-20:00

Reducing Systematic Uncertainties in Neutrino Detection with the Water **Cherenkov Test Experiment (WCTE)** 

Speaker

Laurence Cook

18:00-20:00 Neutron Capture Information in Improving IBD Angular Resolution

Speaker

Oishan LIU

18:00-20:00

A research of proto-neutron star evolution and the structure near the surface

Speaker

Jinkun Liao

18:00-20:00

Vertex reconstruction of shower muons in Larger Liquid Scintillator Detectors using PMT waveforms

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18:00-20:00

MeV-scale event-by-event direction reconstruction with Jinping 1-ton slow liquid scintillator prototype

Speaker

Yutao Zhu

18:00-20:00

Developing a supernova neutrino burst trigger at DUNE

**Speaker** 

Sophie Butchart

18:00-20:00 Low Noise Readout ASICs for Astroparticle Physics Research

Speaker

Ke WANG

18:00-20:00

The accelerated Reactor fitter and Oscillation analysis for JUNO

Speaker

Jingqin Xue

18:00-20:00

Wave Front Sensing demodulated with the difference frequency of two phase modulated sidebands in a gravitational wave detector

Speaker

CHIAKI HIROSE

18:00-20:00

High Speed 5GSps Pulse Shape Digitization Prototype Based on RFSoC

Speaker

Zhenxue Bian

18:00-20:00

Development of Real-Time Pulse Processing IP Based on FPGA

Speaker

Binkai Qi

18:00-20:00

Design of RFSoC Based Hardware Module for Electronics System of Frontier Physics Experiments.

Speaker

Mr Liangjun Wei

18:00-20:00

Preliminary Design of Multi Channels High Precision Measurement Electronics System for CJPL

Speaker

Bo Liang

A Likelihood-Based Framework for CEvNS Analysis Using Reactor Rate Modulation

Speaker

Elisabetta Bossio

18:00-20:00

Observation of solar radio bursts in the Radio Neutrino Observatory Greenland (RNO-G)

Speaker

Maria Mikhailova

18:00-20:00

A new tellurium-loaded liquid scintillator based on water and p-dioxane

**Speaker** 

Ye Liang

18:00-20:00 Study of the influence of mirror birefringence effect on KAGRA

Speaker

Dr Haoyu Wang

18:00-20:00 LZ & XLZD Low-E ER Sensitivity Projections

Speaker

Huan Zhang

18:00-20:00 Energy calibration of the BULLKID-DM experiment

Speaker

Matteo Folcarelli

18:00-20:00 Can KM3-230213A be dark matter?

Speaker

Prantik Sarmah

18:00-20:00

Performance Study of Orthogonal-Strip Planar HPGe Detectors for 76Ge Neutrinoless Double-Beta Decay Searching

Speaker

Qiuli Zhang

18:00-20:00

Advancing Muon Veto Systems for the Future ANDES Underground Laboratory

**Speakers** 

Dr Alberto Etchegoyen, Prof. Manuel Platino

19:40-20:00

Laser isotope separation of 48Ca for the study of neutrinoless double beta decay and the CANDLES project

Speaker

Prof. Izumi OGAWA

20:00