Li-Cheng FENG

15 Takano Nishibirakicho, Sakyo-Ku, Kyoto (606-8103), Japan

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EDUCATION

Kyoto University - Kyoto, Japan 04/2023 - now

Ph.D. Student in Physics

- Diffuse Supernovae Neutrino Background observation with Super-Kamiokande
- Observing neutron through Neural Network in Super-Kamiokande from T2K neutrino beam.
- Water transparency calibration with Gadolinum cascade photons in Super Kamiokande

National Yang Ming Chaio Tung University - Hsingchu, Taiwan 07/2018 - 11/2021

M.S. in Physics

- *GPA* : 4.08/4.3
- *Research Thesis*: MeV Dark Matter detection with Jiangmen Underground Neutrino Observatory
  - Participated in international-scale JUNO experiment for physics research
  - Contributed to a collaboration publication as first author

National Taiwan Normal University - Taipei, Taiwan 09/2014 - 06/2018

B.S. in Physics

- *GPA* : 3.47/4.3 ; *Last 60 GPA* : 3.75/4.3
- *Research Topic*: Installer Pyrimidine
  - Handled Atacama Large Millimeter Array cycle-4 data for Pyrimidine comfirmation
  - Concluded a preliminary detection and led to a poster and a upcoming publication

PUBLICATIONS

[1] **JUNO Collaboration, (1st author L. Feng)**, "JUNO sensitivity to the annihilation of MeV dark matter in the galactic halo" JCAP 09(2023)001

[2] **JUNO Collaboration(including L. Feng)**, "Prospects for detecting the diffuse supernova neutrino background with JUNO", JCAP, 10(2022)033

[3] **JUNO Collaboration(including L. Feng)**, "JUNO physics and detector", Prog. Part. Nucl. Phys. 123, 103927 (2022)

SELECTED HONORS

KEK, Japan, Ozaki Exchange Program 02/2024

- A 2-month stipend travel to ORNL under the Japan-U.S. collaboration program.

Ministry of Education of Taiwan, Exchange Student Scholarship 09/2020

- A stipend for a semester exchange at CTU Prague.

Academic Achievement Award in NCTU (3 out of 45 competitors) 04/2019

- Earned for ranking in top 3 in department for semester

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LANGUAGES AND ANALYSIS SKILL

- TOEFL 94, JLPT N1, TOEIC 820
- Python, C++, Bash script, GEANT4, ROOT
- Scikit learn, Bayesian calculations, Neural Network.

PRESENTATIONS

- Oral -

NCQE measurement., SK Collab. Meeting, Toyama, Japan.	05/2024
NCQE neutron at SK-Gd with T2K Run 11., T2K Collab. Meeting, Tokai, Japan.	03/2024
New water transparency calibration development for SuperK., JPS Spring, Online.	03/2023
Status update of the DM studies, Regular JUNO Physics Meeting, Online.	05/2020
Capability of MeV Dark Matter Detection, 15th JUNO Collab. Meeting, Nanning, China.	01/2020
Observing MeV Dark Matter with JUNO, Regular JUNO Physics Meeting, Online.	10/2019

- Poster -

Observing MeV Dark Matter with JUNO, Meeting of the 2020 PSoT, Pingtung, Taiwan.	02/2020
Two Complex Organic Molecules, 664th of Wilhelm und Else Heraeus Seminar, Germany.	03/2018

MISCELLANEOUS EXPERIENCE

Visiting Student, Yokoyama-Nakajima Lab, The University of Tokyo.	04/2022 - 03/2023
Exchange Student, Czech Technical University in Prague.	02/2021 - 07/2021
Visiting Student, University Consortium of ALMA - Taiwan.	06/2017 - 09/2017
Guide, Mountaineering Club, NTNU.	10/2016 - 06/2018

Last updated, Nov 2024