



Liangyu Wu

Ph.D. Student in Physics, admitted Autumn 2024

Bio

EDUCATION AND CERTIFICATIONS

- B.S., Shanghai Jiao Tong University , Physics (2024)

LINKS

- Personal Homepage: <https://liangyu5wu.github.io>

Publications

PUBLICATIONS

- **Development of high-sensitivity radon emanation measurement systems with surface treatment optimization** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Wu, Y., Si, L., Gao, Z., Liang, Y., Liu, J., Meng, Y., Qian, Z., Wang, H., Wu, L., Yun, Y.
2025; 1080
- **On the resolution of dual readout calorimeters** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Eno, S., Wu, L., Aamir, M. Y., Chekanov, S. V., Nabili, S., Palmer, C.
2026; 1083
- **Geant4 simulations of sampling and homogeneous hadronic calorimeters with dual readout for future colliders** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Chekanov, S. V., Eno, S., Magill, S., Palmer, C., Wu, L., Aamir, M. Y.
2025; 1072
- **Design and experimental application of a radon diffusion chamber for determining diffusion coefficients in membrane materials** *JOURNAL OF INSTRUMENTATION*
Wu, L., Si, L., Wu, Y., Gao, Z., Heng, Y., Li, Y., Liu, J., Luo, X., Ma, F., Meng, Y., Qian, X., Qian, Z., Wang, et al
2025; 20 (3)
- **A novel low-background photomultiplier tube developed for xenon based detectors** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Yun, Y., Zhou, Z., An, B., Gao, Z., Han, K., Liu, J., Liang, Y., Liu, Y., Meng, Y., Qian, Z., Shang, X., Si, L., Song, et al
2025; 1073
- **The stability of unevenly spaced planetary systems** *ICARUS*
Yang, S., Wu, L., Zheng, Z., Ogihara, M., Guo, K., Ouyang, W., He, Y.
2023; 406