

MINSU KO

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EDUCATION

Korea advanced Institute of Science and Technology

Mar 2020 - Present

Undergraduate program, Department of Physics

GPA: 3.83/4.3

- Advanced Major in Physics
- Individually Designed Major

RESEARCH EXPERIENCE

Center for Axion and Precision Physics Research

Jan 2023 - Present

Student Assistant

- Experimental characterizations for Josephson parametric amplifier chains
- Cryogenic electronics, Dilution refrigerators

AWARDS, SCHOLARSHIPS, FUNDINGS

Long term Undergraduate Research Program

Jan, 2024 - Dec, 2024

Korea Advanced Institute of Science and Technology

The Way to Stockholm 2023

Dec, 2023

Korea Foundation for Advanced Studies

Dean's List

Sep, 2023

College of Natural Science, Korea Advanced Institute of Science and Technology

PRESENTATIONS

[1] Methods for Extending the Scanning Frequency Range of Flux-Driven Josephson Parametric Amplifiers Designed for Axion search Experiments, **Poster**, 20th International Conference on Low Temperature Detectors

PUBLICATIONS

[2] Kim, JinMyeong, et al. "Wideband Amplification for IBS-CAPP's Axion Search Experiments." (2023). **poster**.

[1] Ko, MinSu, et al. "Expanding Scanning Frequency Range of Josephson Parametric Amplifier Axion Haloscope Readout with Schottky Diode Bias Circuit." 2023 IEEE 24th International Conference of Young Professionals in Electron Devices and Materials (EDM). IEEE, 2023.