

# MINSU KO

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## RESEARCH INTERESTS

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Particle astrophysics, cosmology based on particle physics experiments  
Detectors for beyond standard model physics

## EDUCATION

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<b>Korea advanced Institute of Science and Technology</b>	<i>Mar 2020 - Present</i>
Undergraduate program, Department of Physics	GPA: 3.83/4.3
- Advanced Major in Physics	
- Individually Designed Major	

## RESEARCH EXPERIENCE

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<b>Center for Axion and Precision Physics Research</b>	<i>Jan 2023 - Present</i>
Student Assistant	
- Experimental characterizations for Josephson parametric amplifier chains	
- Cryogenic electronics, Dilution refrigerators	

## AWARDS, SCHOLARSHIPS, FUNDINGS

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<b>Long term Undergraduate Research Program</b>	<i>Jan, 2024 - Dec, 2024</i>
Korea Advanced Institute of Science and Technology	
<b>The Way to Stockholm 2023</b>	<i>Dec, 2023</i>
Korea Foundation for Advanced Studies	
<b>Dean's List</b>	<i>Sep, 2023</i>
College of Natural Science, Korea Advanced Institute of Science and Technology	

## PUBLICATIONS

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- [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.