

The Global COE Program

“The Next Generation of Physics, Spun from Universality and Emergence”

Bilateral International Exchange Program (BIEP, invite) report

Send report to: Your responsible Professor in Kyoto University

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(Year/Month/Day)_____

Invited Student

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Research Project

Title	KOTO experiment
Duration	

I would first like to express my gratitude to Kyoto University offering me such a great opportunity for the oversea study at one of the best universities in Japan. I was a student from National Taiwan University joining the KOTO experiment in J-PARC, Japan, which is a project of probing a rare decay of kaon particle. The kaon group in Kyoto university is one of the collaboration institutes of the KOTO experiment. There is countless effort made by the Kyoto group to the KOTO experiment. During my stay in Kyoto university, I was fortune enough to take part in the project of upgrading the Main Barrel (MB) detector, which is the biggest and the most important veto detector of KOTO. My study for this upgrade was based on the Monte Carlo simulation. I benefited a lot from the weekly group meeting and received plenty assistance from each Kyoto kaon member during the discussion. All these I learned from Kyoto are no doubt getting me more confidence for my future life. In this trip, I was also deeply attracted by Kyoto, which is a fantastic city with many perfectly maintained cultural heritages. The air in Kyoto city is like from the ancient periods, sometimes I can even see people in KIMONO outside. I visited temples almost every weekend, in which the Kiyomizu-dera the one I love the most. I thank Kyoto university for this program and especially thank each member in Kyoto kaon group. It was a so very wonderful trip. I wish that I can visit to Kyoto again in the near future.