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INTERNSHIP REPORT

Participating in this internship program is absolutely an amazing experience. After this, I have obtained for myself much valuable knowledge and more importantly, been able to get to know researchers from around the world. When I arrived at KEK for the first time, I could immediately feel its vibrant academic atmosphere. During the program, I had the opportunity to work at ARICH group under the guidance of Professor Nishida. I took part in the daily works of the construction of ARICH detectors like any other members. Just to name a few, I helped cut some of the cables and carried out the performance tests on the Data Acquisition System. In addition, I could learn many new things about accelerator physics and Belle II project in particular at which I was completely amazed.

At the end of the two weeks, I realized that what I have obtained is even more precious than those. First of all, when I took a tour around Belle II detector and other facilities on the first day, I realized that I become part of something beyond my imagination. I would never forget this feeling. Secondly, as an undergraduate student, I was very skeptical about how could I contribute to such a big project as well as the pressure of working with professional researchers. It turned out to be that I was anxious for nothing at all. People treated me like equal, I was among them and learning from them. During discussions, I was encouraged to take part in and express my opinion. I also very much enjoyed the talks about physics and many other interesting things during lunch times. Through hands-on carrying out the work, I witnessed how challenging it could be. One small cable, which did not function probably, could be a trouble to the performance of

the whole device. However, we try to identify the problem then use the knowledge we know, at the end of the day, all problems would be solved. This is an essential quality that any researcher must have.

Being able to experience these on the daily basis is absolutely incredible. This opportunity has broadened my horizons. I am very glad to share that recently, my abstract to introduce ARICH detector and Belle II experiment submitted to the 10th Vietnam - Japan Scientific Exchange Meeting has been accepted. What I have learned during the internship will serve me well in my future career. It inspires and provides me the determination to work harder. With all of that being said, I very much appreciate KEK for offering this wonderful program and especially Professor Nishida for his instructions and support during my stay. I am really looking forward to other chances to visit it again in near future.