

(For JSPS Fellow)

Form B-5

Date (日付)

30/06/2016 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-

(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): CAO VAN SON (ID No. P 14326)

- Participating school (学校名): Shizuoka Kita High School

- Date (実施日時): 29/06/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) My little stories, Vietnam & Experimental High Energy Physics

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

I did tell some little stories of my academic path: from a small village of Vietnam, to Hanoi as undergraduate student, then to United State for PhD degree and went to Japan after graduation. The main message from these stories is that I enjoyed my journey which I couldnot magine when I was in high school and I hope that they (students in class) will enjoy their journey as well. That is the most important thing in life. Then I expressed my inspiration toward symmetry, one of the most beautiful and important concept in physics. I gave examples from classical physics to model physics. After that I brought up a very fundamental question how the universe begin if the symmetry hold everywhere. From that I went through the concept of symmetry breaking, and introduced neutrino particle from which we could find the answer for this fundamental question. I also mentioned about the Nobel and Breakthrough prize last year for the contributions in the neutrino physics which I am working on. In the final part of this section, I mentioned about the benifit obtained if they choose to be particle physicists and what they need to prepare for this career. In the final section, I introduced a bit about Vietnam culture in the corresponding to Japanese culture. This section is required from the school since their student will come to Vietnam for excursion this december. While I made some comparison which I think student can find useful when they explore Vietnam culture, the main message I delived is that culture, is not better or worse, just different and we need to respect the difference.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 75 min (分), Q&A time (質疑応答時間) 15 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

projector and black boards to explain if necessary

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Japanese student from Kyoto University

◆Name and title of accompanied person (同行者 職・氏名)

Mr. Noguchi Yohei

◆Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。)

I think that lectures like this are very valuable to give students in the second year of high school, because these lectures should be good hints for students to decide on the course to take after their graduation.