

Form B-2
(FY2020)
Must be typed

Date (日付)
14/10/2020 (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): Mohammad Ali Gorji (ID No. P19313)
- Name and title of the accompanying person (講義補助者の職・氏名)
Masaya Amo (Master student in Kyoto University).
- Participating school (学校名): Kyoto Prefectural Jonan-Ryoso High School Minamihoriike, Ogura-cho, Uji
- Date (実施日時): 05/10/2020 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):
Black Holes and Gravitational Waves
- Lecture format (講義形式): Powerpoint
- ◆Lecture time (講義時間) 40 min (分), Q&A time (質疑応答時間) 10 min (分)
- ◆Lecture style (ex.: used projector, conducted experiments)
(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))
used projector
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

My lecture included two parts: 1) Self introduction (10 min): I introduced myself and my research interests. I talked about culture, history (and historical places) and life in my country Iran 2) Scientific part (30 min): I started from the Newtonian's physics with which students were familiar and then tried to intuitively convince them why and how people ended up with general theory of relativity a century ago. After that, I talked about black holes and gravitational waves as subjects that I am working on. I show them the current gravitational waves detectors in the world. Especially, I informed them about the importance of the Japan's gravitational wave detector KAGRA and how wonderful it is if they can join this big project as their future career. I also talked about cosmology and I showed them the content of our universe and explained what is our current understanding of the visible and invisible (dark sector) parts of our universe. Finally, I told them how gravitational waves detectors are important to probe the dark side of our universe. After finishing my talk, my accompanying person gave them a summary of the lecture in less than 5 minutes. The student then asked some questions and with the helps of the accompanying person I answered their

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questions.

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

- Impressions and comments from the accompanying person (講義補助者の方から、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。):

He was so organized and very accurate. I am really happy with his assistance before and during the lecture.