

(For JSPS Fellow)

Form B-5

Date (日付) 21/08/2013

(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): Melanie Godart (ID No. P 12816)
- Participating school (学校名): Kumagaya Girls' High School
- Date (実施日時): 18/07/2013 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) A personal introduction to Astrophysics
(in Japanese) _____

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

はじめまして。メラニ□ ゴダ□ト です。よろしく おねがいします。

Today I will talk about my experience as a researcher in the field of Astrophysics. Currently I am working at the university of Tokyo, in Shibahashi-san group but I did all my studies in my country, Belgium. Therefore, I will start by presenting my country which is part of Europe. Afterwards, I will talk about how I became a scientist and about my university in Belgium. Finally, I will introduce you my main subject of research: the study of the structure and the evolution of stars. In particular, I focus on massive stars, which are stars with masses of 8 to 100 times the mass of our Sun. In order to study their structure, I use a technique, which is called asteroseismology: it means seismology of stars. Just as an earthquake on Earth allows seismologists to infer information on the interior of Earth, asteroseismologists determine the interior of stars by studying the periodic earthquakes, i.e. the 'pulsations', occuring in stars. We will then finish this meeting with a questions/answers session.

- Language used (使用言語): english

- Lecture format (講演形式): powerpoint presentation with movies and pictures.

◆Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) 30 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))

Used projector

◆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))

assistance by accompanied person, but generally the students could understand well english

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

Kazuhiro Maeda, master student in my research group (Shibahashi' s lab)

◆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。)

よい講演ができたと思います。強いて反省することがあるとするならば、皆さ

んの質問に答えるなどの交流の時間が十分に取れなかったことです。

(この事業について)

参加した高校生にアンケートを実施するなどして、フィードバックを受け取るようにし、それが次回以降のプログラムで反映されるような仕組みがあると尚良いと思います。本講演者も、高校生がどういふことを聞きたいのか、という点については手がかりがなく悩んでいました。