

Opening remark

Korea-Italy Bi-lateral Symposium

Current developments in underground physics

Place: B-109 IBS, Daejeon, Korea

Time: 9 AM – 5 PM, Oct. 1st 2018

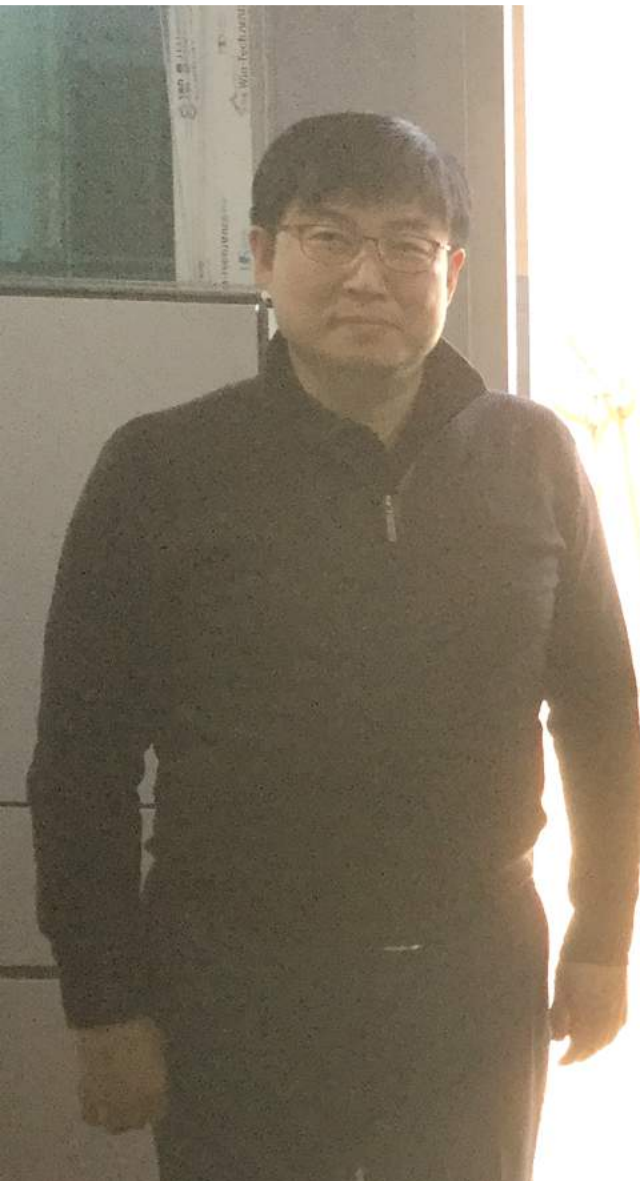
Welcome to CUP, IBS, Daejeon, Korea !

Moo-Hyun Lee (IBS CUP)

Oct. 11th 2017 at Y2L
Prof. Francesco Canganella
Embassy of Italy at Korea

Everything started from underground....





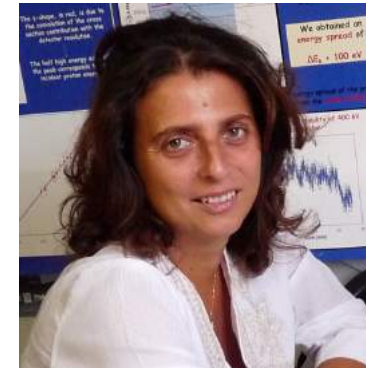
Then again at Yangyang ground office....

**Nov. 27th 2017 at Y2L
Prof. Marco Pallavicini
INFN Genova, Italy**

Morning session (Chair: Prof. HongJoo Kim, Kyungpook National University (KNU), Korea)

LNGS introduction

- 9:10 AM – 9:45 AM: “Laboratori Nazionali del Gran Sasso (LNGS): an overview of facilities and activities”, Dr. Alba Formicola (LNGS, Italy)



Neutrinoless double beta decay experiments

- 9:45 AM – 10:30 AM: “Center for Underground Physics (CUP) introduction and AMoRE neutrinoless double beta decay experiment”, Prof. Yong-Hamb Kim (IBS CUP, Korea)
- 10:30 AM – 10:45 M: Coffee break
- 10:45 AM – 11:25 AM: “Searching for the neutrinoless double beta decay at LNGS”, Prof. Riccardo Brugnera (INFN Padova, Italy)



Dark Matter experiments

- 11:25 AM – 12:05 PM: “The XENON project @INFN-LNGS: new results from XENON1T and prospects with XENONnT”, Prof. Marco Selvi (INFN Bologna, Italy)
- 12:05 PM – 1:25 PM: **Lunch (IBS cafeteria)** and **CUP lab tour (Jungho So, Sejin Na, KeonA Shin)**

Afternoon session – I (Chair: Dr. Eunju Jeon, IBS CUP, Korea)

- 1:25 PM - 2:05 PM: “Darkside experiment”, Dr. Walter Bonivento (INFN Cagliari, Italy)
- 2:05 PM – 2:45 PM: “Status of COSINE-100 experiment”, Prof. Hyunsu Lee (IBS CUP, Korea)



Axion experiments

- 2:45 PM – 3:25 PM: “Search for Axion and Axion-like particles in Italy”, Dr. Claudio Gatti (Laboratori Nazionali di Frascati, Italy)
- 3:25 PM – 3:40 PM: Coffee break



Afternoon session – II (Chair: Dr. Jaison Lee, IBS CUP, Korea)

- 3:40 PM – 4:20 PM: “Collaboration opportunities between Korea and Italy at IBS/CAPP”, Prof. Yannis Semertzidis (IBS CAPP, Korea)



CUP new underground facility construction

- 4:20 PM – 4:55 PM: “The Construction of New Deep Underground Facility in Jeongseon, Korea”, Dr. Kangsoon Park (IBS CUP, Korea)
- 4:55 PM – 5:00 PM: **Closing remark** (Prof. Francesco Canganella, Embassy of Italy in Korea)





Enjoy the symposium!