

11th AMoRE collaboration meeting Agenda

Feb. 17-19, 2016, Pattaya, Thailand

* Talk will be presented from Korea and Germany from 11:30 – 16:50 by SKYPE

Feb. 18 Thursday

08:30 – 09:00 Registration

Chair: Jakrapong Kaewkhao (Nakhon Pathom Rajabhat U)

09:00 – 09:30 - "Opening ceremony : Thailand science, Technology and Innovation Policy and Key Initiatives" *Dr. Worawarong Rakreungdet, Ministry of Science and Technology, Thailand*

09:30 – 09:40 - Coffee Break

Chair: Vasily Kornoukhov (ITEP/FOMOS)

09:40 – 09:50 - "Goal of the 11th AMoRE collaboration meeting" *HongJoo Kim (KNU)*

09:50 – 10:20 - "Meaning of neutrinoless double-beta decay after neutrino oscillation" *Siyeon Kim (Chung-Ang U)*

10:20 – 11:00 - "History and current status of DBD investigations", *Vladimir Tretyak (INR)*

11:00 – 11:30 - "Status of CUP and underground site" *Youngduk Kim (IBS & Sejong U)*

11:30 – 12:00 - "Overview of the AMoRE Pilot detector" *Yong-Hamb Kim (IBS & KRISS)*

12:00 – 13:00 – Lunch Break

Chair : Douglas Leonard (IBS)

13:00– 13:30 – "Shift summary and fridge system upgrades for Pilot measurement" *Chan Seok Kang (IBS)*

13:30– 14:00 – "Analysis on Pilot commissioning run" *Geon Bo Kim (IBS & SNU)*

14:00 – 14:20 - "New changes on heat and light sensors" *Jung Ho So (IBS)*

14:20 – 14:40 – "Measurement status of the current Pilot setup" *Hyon Suk Jo (IBS)*

14:40 – 15:00 - "MMC sensor characterization used in the Pilot experiment" *S.Y. Oh (Sejong U)*

15:00 – 15:20 - Coffee Break

Chair : Moo Hyun Lee (IBS)

15:20 – 15:40 - "Installation plan and concerns for new dilution refrigerators" *Chang Lee (IBS)*

15:40 – 16:10 - "TBD", *Andreas Fleischmann (U of Heidelberg)*

16:10 – 16:30 - "SE02 test measurement at KRISS" *I.W. Kim (SNU)*

16:30 – 16:50 - "Sample measurements with the UltraLo-1800 alpha counter", *Chang Hyun Ha (IBS)*

16:50 – 17:10 - "Infrastructure of the AMoRE", *Kang Soon Park (IBS)*

17:10 – 17:30 - "AMoRE DAQ" *Jason Lee (IBS)*

17:30 – 17:50 - "Status of analysis framework", *Young Soo Yoon (IBS)*

17:50 – 18:00 - "AMoRE Muon veto system", *Joo Young Lee (IBS & KNU)*

18.30 – 20.00 - "Dinner"

20:00 – 21:30 - Steering Committee meeting

Feb. 19 Friday

Chair : HyangKyu Park (IBS)

09:00 – 09:20 - "Status of AMoRE simulation", *Eunju Jeon (IBS)*

09:20– 09:45 - "AMoRE-I background simulation updates", *Young Soo Yoon(IBS)*

09:45 – 10:00 - "AMoRE-pilot Simulations" *Daehun Ha (KNU)*

10:00 – 10:20 - "AMoRE-I crystals and Mo-100 powders for Phase II", *Moo Hyun Lee (IBS)*

10:20 – 10:40 - "Status of $^{40}\text{Ca}^{100}\text{MoO}_4$ Scintillation Elements production for AMoRE-Pilot experiment"
Vasily Kornoukhov (ITEP/FOMOS)

10:40 – 11:00 - Coffee Break

-Chair: Pruittipol Limkitjaroenporn (Nakhon Pathom Rajabhat U)

11:00 – 10:25 - "Current status of purification of Ca and Mo" *HyangKyu Park (IBS)*

11:25– 11:40 - "Synthesis of CaMoO_4 powder", *Sujita Pandey (KNU)*

11:40 – 12:00 - " New Crystal R&D for AMoRE-II", *HongJoo Kim (KNU)*

12:00 – 13:00 - Lunch Break

Chair : Mitra Djamal (Institute Technology of Bandung)

13:00 –13:25 - "ICP-MS Program at CUP", *Douglas Leonard (IBS)*

13:25 – 13:45 - "Content of U-235 at enriched and natural samples (MoO_3 , CaMoO_4 (raw materials and crystals), calcium carbonate and calcium formate)", *Vladimir Kazalov (Baksan)*

13:45– 14:00 - "SE2 test results at 4pi setup and upgrade plan " *Joo Young Lee (KNU)*

14:00 – 14:15 - "Feasibility study of cosmic activation of CaMoO_4 " *Jonghoon Jang (KNU)*

14:15 – 14:30 - "Status of CaMoO_4 crystals growth at KT1 lab", *Sejin Ra(IBS, KNU)*

14:30 – 14:45 - "Growth and Scintillation Properties of $\text{Na}_2\text{Mo}_2\text{O}_7$ Crystal", *Indra Pandey (KNU)*

14:45 – 15:00 - "Growth and characterization of $\text{Cs}_2\text{Mo}_2\text{O}_7$ crystal" *Jookyoung Son (KNU)*

15:00 – 15:20 - Coffee Break

Chair : HongJoo Kim (KNU)

15:20 – 15:35 - " PbGa_2Se_4 semiconductor crystal" *Phan Quoc Vuong (KNU)*

15:35 –15:50 - "Research Activity of CEGM at Nakhon Pathom Rajabhat University", *Jakrapong Kaewkhao (Nakhon Pathom Rajabhat U)*

15:50– 16:15 - "Non-proportionality measurement of Crystal scintillators", *Pruittipol Limkitjaroenporn (Nakhon Pathom Rajabhat U)*

16:15 – 16:25 - "Summary of 10th AMoRE meeting" *Youngduk Kim (IBS & Sejong U)*

Important note:

On 17 Feb 2016 (arrival day), we have dinner at 18.45 pm.

On 19 Feb 2016, IBS people should be started from hotel before 17.30. Transportation will be provided by organizer