

Minutes for the 25th ACFA and 8th AsiaHEP joint meeting

By Wei-Shu Hou (NTU) and Mitsuaki Nozaki (KEK)

Meeting date: February 1, 2018

Meeting place: Daejeon Convention Center, Room 207-208, Daejeon, Korea

Participants (in person):

Jie Gao (IHEP), Guinyun Kim (KNU), Jongwon Kim (IBS), Oleg Meshkov (BINP), Yasuhiro Okada (KEK), Hyyong Suk (GIST), Geoffrey Taylor (U. Melbourne), Yifang Wang (IHEP), Masanori Yamauchi (KEK),

Participants (by video):

Rohini Godbole (IISc), Wei-Shu Hou (NTU), Sachio Komamiya (U. Tokyo), Zhengguo Zhao (USTC)

Invitees:

Jongwon Kim (IBS), Won Namkung (PAL), Mitsuaki Nozaki (KEK), Bhuban K Sahu (IUAC),

- 1) Dr. Taylor, ACFA chair, expressed his gratitude to Dr. Kim, LOC chair of AFAD2018, and his colleagues for their hospitality in hosting the ACFA/AsiaHEP meeting and congratulated on the successful AFAD2018 forum that took place on the preceding days. He then urged all the participants to go around the table for self-introduction.
- 2) Dr. Sahu, on behalf of Dr. Dinakar Kanjilal, Director of IUAC, put forth a proposal to host the next AFAD in New Delhi in 2019, probably in January or February. ACFA acknowledged the proposal and has given approval.
- 3) A proposal is put forth from Thailand to host IPAC2022 and has been endorsed by ACFA.
- 4) Dr. Kim presented the statistics of participants of AFAD2018 showing that 178 researchers attended the forum from Korea, China, Japan, Russia, Taiwan, Thailand, Australia, India, and Canada.
- 5) Dr. Kim also presented a report on behalf of Dr. Kazuo Hasegawa (JAEA) on the activity of Working Group on “High Power Proton Accelerator.”
- 6) Dr. Kim, on behalf of Dr. Triptisekhar Datta (IUAC) and Dr. Hirotaka Nakai

(KEK), presented a report on “2nd Asian School on Superconductivity and Cryogenics for Accelerators” (ASSCA) that took place in December, 2017 at KEK. Considering the growing superconductivity-related activities in Asia, ACFA recognizes the importance of the school, in particular the one with hands-on training, to foster the next-generation researchers/engineers, and agreed to consider a next school in a year or two.

- 7) Dr. Taylor, ICFA chair from 2018 to 2020, gave a report on ICFA. ICFA held triennial seminar in Ottawa in November 2017 and issued a statement on ILC that operates at 250 GeV, acknowledging the ILC Collaboration for their effort to reduce the cost.
- 8) Dr. Komamiya, former LCB chair and current LCB member, gave a report on LCB.
- 9) Dr. Yamauchi, Director General of KEK, gave a status report on the ILC in Japan, in particular in the government.
- 10) Dr. Okada, Executive Director of KEK, gave a report on FALC that took place in November 2017. As the balance of the LCC Common Fund is running out in 2018, similar level of support should be provided by collecting resources equally from the three regions, Asia-Oceania, Americas and Europe. ACFA needs to reaffirm how to share the Asian contribution among partners by the next FALC meeting to be held in Seoul in July during ICHEP 2018. Dr. Okada elaborated the status of ILC, the ALCW2018 meeting to be held at end of May in Fukuoka, and some activities outside academia.
- 11) Dr. Wang, Director of IHEP, gave a status report on CEPC, including current R&Ds and related facilities under construction. An international workshop on high energy physics was held at The Hong Kong University of Science and Technology in January 2018 to discuss physics research at future colliders, in particular CEPC and a next-generation pp collider in China. Dr. Wang pointed out that ILC and CEPC have complementary future upgrade scenarios, one extending to higher energy and the other to pp collider, although they have a common physics goal as a Higgs factory at an initial stage. Dr. Wang mentioned that, instead of conventional low-temperature technology, IHEP is interested in taking up the challenge of high-temperature superconductor technology for the future pp collider.

- 12) Dr. Taylor pointed out that ACFA and/or Asian communities could submit inputs to European Strategy Update for high energy physics.
- 13) Dr. Hou, AsiaHEP chair, presented his assessment of recent history of ACFA and AsiaHEP, contrasting with the ICFA mission to support large HEP facilities such as ILC and CEPC(-SppC). Based on his observation expressed in the “Asia Report” at the ICFA Seminar in Ottawa, he proposed the amalgamation of the two organizations, to restore ACFA to its Mission, which is carried by current AsiaHEP. Endorsement was sought from those present for the ACFA & AsiaHEP Chairs to proceed on it, starting with the core membership (e.g. suggest “CMS Linkperson” as default member for India/Korea). Discussion among participants followed, with no opposing views raised.
A preparatory meeting of AsiaHEP (with updated membership) towards “amalgamation” would be called at ALCW2018 at end of May in Fukuoka.
- 14) The next ACFA/AsiaHEP meeting will be held during ICHEP2018 in July.
- 15) Adjourn