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Science Advisory Committee (PF-SAC)

Meetings of the Photon Factory Science Advisory Committee (PF-SAC) have been held every fiscal year since the first PF-SAC in April 2007, providing ongoing advice on the operation and strategic planning for the Photon Factory. The seventh PF-SAC meeting was held on February 7 and 8, 2013.

Table 1 shows a list of members for the seventh PF-SAC. The Photon Factory distributed presentation files and a list of discussion points (Table 2) in advance on which the Photon Factory wished to receive advice from the PF-SAC. On the first day of the meeting, the Photon Factory staff and users presented the present status and strategy relevant to the discussion points and several recent scientific topics. Following Q&A and discussion for each presentation, PF-SAC met in closed sessions in the evening of the first day and the morning of the second day, and formulated the observations, conclusions and recommendations.

Regarding the sixth discussion point in Table 2, the PF-SAC noted that “the SAC considers the continuous

upgrades of beamlines and instrumentation as one of the cornerstones in the roadmap for the next decade. This is a necessity to keep the PF in the frontier of international research. In this context the SAC commends the PF management for its initiative in using recovery funding to upgrade beamlines 2, 13, 28 and 15. The research on these beamlines falls within the areas of excellence and thus is of the highest strategic importance for the PF. Future refurbishing of beamlines should follow the same criteria.”, and “an exceedingly important component of the roadmap is the successful construction and operation of the compact ERL. The success of this project is of paramount importance for the next step to secure the 3-GEV ERL. The SAC fully supports the high priority the PF/KEK gives this project and stresses the importance of full attention to this endeavor.”

Other itemized questions and the answers from the PF-SAC can be found at:

<http://pfwww.kek.jp/SAC12Feb/PF-SACExecutiveSummaryFeb2013.pdf>

Table 1: PF-SAC members as of FY2012.

Efim GLUSKIN	Advanced Photon Source
Yasuhiro IWASAWA	University of Electro-Communications Tokyo
Yasuhiro IYE	Institute for Solid State Physics, The University of Tokyo
Ingolf LINDAU	Stanford University, Chair
Kunio MIKI	Kyoto University
Jun'ichiro MIZUKI	Kwansei Gakuin University
Fulvio PARMIGIANI	University of Trieste
Moonhor REE	Pohang Accelerator Laboratory/PSTEC
Zhentang ZHAO	Shanghai Synchrotron Radiation Facility

Table 2: List of discussion points.

1	How does the PF-SAC evaluate the PF future plan in the next decade?
2	Is the construction of the direct injection path for PF-AR reasonable in relation with the PF future plan?
3	Is the BL refurbishment program for the new BL-2 and BL-15 effective for the best use of the PF facility?
4	How does PF-SAC evaluate the suggestions of the time-resolved science subcommittee and the response from PF?
5	Is the new PF users' association well organized to promote the activities of the PF users and PF?
6	How does the PF-SAC evaluate the progress of the preparations for the ERL project including the construction of the cERL?