

Minutes of the APEX Steering Committee Meeting on 8 November 2001 at Scottsdale, AZ

Participants: Abdou, Kaita, Kotschenreuther, Mattas, Morley, Nygren, Rognlien, Sawan, Sze, Ulrickson, Wong, Ying, Youssef,

The steering committee met in the evening of November 8. Several issues were discussed further in the general discussion session on November 9. In addition, a town meeting was held in the evening of November 7 where issues of common interest to APEX/ALPS/ALIST were discussed. Given below are the action items from the APEX steering committee meeting. The major action items relevant to APEX from the general discussion session and the town meeting are also given.

Meetings:

- The next project meeting is scheduled for the week of April 15, 2002 following the ISFNT-6 conference. The meeting will be held in San Diego. Sze and Wong will make local arrangement. This will be a joint ALPS/APEX meeting. Monday and Tuesday will be devoted to presentations on ALPS and APEX. Each day will start with broad overview introductory talks by project managers stating mission, objectives, etc. These are to be followed by presentations giving overviews of technical activities in the different tasks of the ALPS and APEX projects. On Wednesday and Thursday, task group meetings and meetings addressing specific areas or topics will be held in parallel. This time will allow also interaction with Japanese and other foreign colleagues. Using posters to make efficient use of time is encouraged. On Friday, a closing plenary session will be held where subgroup reports will be presented. Since many side meetings will be planned around the ISFNT-6, a note should be sent as soon as possible to the full distribution lists of APEX and ALPS about the time reserved for the ALPS/APEX meeting.
- It was decided that the project meeting in November 2002 will be hosted by PPPL.
- Plans will be made to have remote connections in the APEX physical meetings to allow people to join by phone. For this to be effective, presentations need to be posted on the web before the meeting.
- The next APEX electronic meeting will be planned for the first week of February 2002. Youssef will check with members of the team about any major conflicts with that date. The format of the E-meeting will be similar to the one held in August 2001.

Documentation and Reporting:

- The Flibe-Cliff and EVOLVE reports documenting work done in FY00 should be sent to UCLA for publication before the end of December 2001.

- The APEX related papers presented at ISFNT-6 in April 2002 will be collected and published as APEX report.
- A dedicated report documenting work done in FY01 on the LiPb-SiC/SiC FW/blanket assessment will be written. Wong will finalize schedule for publication with performers of task IV.
- We need to write a brief FY01 progress report (3-5 pages per task) summarizing FY01 work performed and significant findings in each task. Since ISFNT-6 papers are due in January 2002, task leaders might use their overview papers as basis for the progress report.
- Members of the APEX team are encouraged to write items in the VLT newsletter.

Organization and Coordination:

- The material community (Zinkle/Odette) was asked to identify a “Material Engineer” who will serve as a liaison between materials and chamber technology and provide APEX with material properties and analysis. Possible candidates were considered and decision will be made by the materials community.
- There is a need to identify a young mechanical engineer to phase-in the project by helping ORNL (Nelson/Fogerty) for future expanded involvement. Three candidates were identified and final choice will be made after checking with them.
- The SC agreed that the current task structure is working very well and should continue.
- The identified material engineer will be named as leader of the materials task (Task C). Petti will be asked if Brad Merrill can be named as leader of the safety task (Task D) and as member of the SC representing INEEL. Nelson will be asked if he plans to continue as the mechanical design contact person or if he wishes to appoint Paul Fogerty to take this responsibility.
- In order to make clear distinction between subtasks in different APEX tasks it was agreed to refer to specific experiments not facilities.
- Sub-tasks in Task I related to the ALIST program that can be listed as ALIST tasks were identified.
- Total neutronics and activation level of support in APEX is maintained at \$100 K.
- It was decided to keep the APEX steering committee structure. Since the SC includes leaders of ALPS and ALIST, interface and interaction issues can be addressed. In

addition a bi-monthly conference call between the APEX/ALPS/ALIST (AAA) project leaders could address top-level coordination issues.

- To enhance interaction between APEX and ALPS a summary of progress in ALPS will be presented at the beginning of the APEX meeting. In addition, a summary of APEX activities relevant to ALPS (e.g., MHD work) will be presented in the ALPS meeting.
- We should continue holding town meetings during the November ALPS/APEX meetings to help with planning for the following FY.
- FY02 plans and funding were discussed. Several funding adjustments were made. M. Abdou and M. Sawan will extensively review the plans for consistency with technical guidelines and institutional funding allocations. The revised plans will be sent to task leaders for approval. The final plans will be posted on the web.
- An effort will be made to reach out to the physics community to get support for activities under task V (exploring moving liquid metals for plasma stabilization).
- M. Abdou will prepare a roadmap explaining the progress made in the APEX project since its inception with evolution of mission, goals, objectives, and approaches.