

Minutes of the USLUA Executive Committee (EC) Meeting
14 December 2021
Sally Seidel

Present: Newman, Black, Williams, Halkiadakis, Brost, Gerstein, Kennedy, Nachtman, Han, Gonski, Butler, Seidel

The meeting began at 1pm EST and was recorded. The recording can be found at https://www.dropbox.com/s/hz9y4xunfki76wo/USLUECMeeting121421_ZoomRecording1317707357.mp4?dl=0

The agenda for this meeting is:

- Review of subcommittee goals and activities;
- Organization of the 2022 Washington DC trip;
- Consideration of a Summer 2022 US LUA event;
- Announcement of Snowmass activities

Kevin noted that the Washington DC trip will be held in the early new year (likely March 2022), and that because funding decisions for HEP are not yet finalized, it is important to keep communicating. Harvey urged that the trip be held early enough to have maximal impact on the legislative process. There is concern about whether the level of support for the HL-LHC will meet the need. Harvey mentioned that the content group (usparticlephysics.org) preparing advocacy materials for the trip meets every Friday. Web materials and physical documents need to be updated. Two-page documents with the most current information are urgently needed for the DC trip. They will be updated in the context of the P5 science drivers. A lightning round will be organized to identify volunteers to participate in the trip.

Harvey urged the subcommittees to increase their rate of meeting among themselves. He asked the subcommittee chairs to develop goals for 2022 and plan to report these at the January 2022 meeting of the full committee. This full committee will now return to a schedule of meeting monthly. As the URA leadership has changed, this committee should schedule a meeting with the new URA personnel soon.

Secretary Granholm recently visited Fermilab. This committee would like to arrange to meet with her in order to improve her awareness of the full scope of HEP research including that of the LHC community. Committee members re-emphasized that our advocacy role to Congress is carried out on behalf of the full US community - including but not limited to the full Energy Frontier and its discoveries.

The term of approximately half of the members of the present committee will conclude very soon; it is suggested to extend those terms by a few months until an election of new members can be held in approximately March 2022. Two volunteers are needed to serve on the election committee.

Elizabeth mentioned that members of the community are calling for increased discussion of the HL-LHC potential in the Snowmass documents. New HL-LHC projections are now being prepared. Harvey suggested that projections should cover the period from the end of Run 2 to

the end of Run 3, and then separately for the HL-LHC era, to indicate the physics trajectory and the implications of a doubled dataset. Yuri recommends to emphasize the coming access to new, previously unavailable rare processes. Elizabeth reminded the committee that the energy increase will have a direct effect on important and interesting cross sections. Steve pointed out that the materials should begin by recalling the P5 priorities.

Joel remarked that existing financial commitments in HEP should not be relieved by reducing the LHC operations program or the program of preparation for the HL-LHC. It was noted that the present federal administration has a more practical focus than did the one in 2013 and that this may require an adjustment of the message. Joel spoke of the potential emergent discovery in flavor physics now being explored at multiple laboratories, and the potential for excitement and breakthrough that should be conveyed about it. Present studies provide a baseline for discussing future higher energy colliders and new technologies, including those with broader impact such as machine learning and ubiquitous AI. Harvey pointed the committee to the following document as an effective example of communication about the excitement of emergent discovery: <https://www.science.org/doi/10.1126/science.abk2450>.

The discussion turned to development of brochures on inclusion, and Sally reminded the committee of the importance of continued efforts to improve access by persons with visual or hearing disabilities to remote meetings at CERN.

Yuri suggested that this committee can be more effective if in-person meetings become more routine.

The committee noted its appreciation for the work of outgoing DPF leader Tao Han and welcomed the new leadership of Joel Butler.

The meeting ended at 2:05pm EST.