

HEPAP Activities - II

HEPAP Meeting

Gaithersburg, MD; September 29-30, 2014

Andrew J. Lankford

HEPAP Chair

University of California, Irvine

HEPAP Activities

Conferences

HEPAP Meeting

Gaithersburg, MD; September 29-30, 2014

Andrew J. Lankford

HEPAP Chair

University of California, Irvine

Next steps

Recap: Addressing the subject of conferences requires community input.

APS-DPF is an appropriate body to collect community input.

Ian Shipsey (DPF Chair) and I discussed this subject, arriving at a concept along the following lines:

1. DPF designs and executes a survey to gather community input
 - In consultation with DPB.
2. DPF reports results of survey to HEPAP, along with any conclusions.
3. HEPAP discusses subject, based on findings of survey and conclusions of DPF, and then advises agencies accordingly.

Ian has agreed to discuss this subject and concept with DPF Chairline and Executive Committee.

PLEASE SEND SUGGESTIONS REGARDING SURVEY CONTENT & SURVEY USE TO IAN SHIPSEY & ANDY LANKFORD.

HEPAP Activities

Future subcommittee laboratory & university roles

HEPAP Meeting

Bethesda, MD; May 23, 2013

Andrew J. Lankford

HEPAP Chair

University of California, Irvine

Future subcommittee on laboratory & university roles

**Concept was outlined at HEPAP March meeting.
The concept is still in development.**

Connections with HEPAP-P5 report:

- **Related to discussion and recommendations concerning the research program. Potentially provide information or advise to agencies.**

The remaining slides with this heading are from my presentation on HEPAP Activities and are included here for background reference.

Approaching the subject of laboratory & university roles

- **HEPAP discussed the formation of a subpanel or subcommittee to consider the respective roles of laboratory & university groups in the execution of the HEP program.**
 - Arising from topics such as university infrastructure, senior scientists, Theory Panel Report, differences in costs
- **CoV recommended an examination of the balance between the laboratory & university research programs.**
- **An approach:**
 - **Start discussion in the context of agency (DOE & NSF) missions**
 - What are the missions of the agencies?
 - How do labs, and how do universities contribute to agency missions?
 - What are “missions” of labs and of uni’s in this context?
 - What can agencies do to enable labs and uni’s to fulfill their “missions”?
 - **Focus on: How to best accomplish science goals in this context?**
 - **What are respective roles of the various types of institutions in accomplishing the program’s science goals, and in satisfying the missions of the program?**
 - **How can roles and working relationships be defined (or redefined) so as to optimize science accomplishment and to satisfy missions?**

Laboratory & university roles - 2

- **Bear in mind:**
 - **DOE & NSF missions differ**
- **Consider:**
 - **How does DOE mission differ for Fermilab & multi-purpose labs?**
 - **How do mission or goals differ for large and small universities?**
- **How do respective roles vary in experimental areas as experiments progress stage by stage from detector R&D through construction to physics analysis?**
- **How do respective roles vary in different areas of theory?**
- **How can roles be designed such that there are no 2nd class citizens?**
- **What degree of “academic freedom” should there be: in theory? in experiment? at universities? at labs?**
 - **What degree of mobility should there be within the field? to neighboring fields? (forays?)**

Update

In presence of P5 and other HEPAP activities, only modest further progress has been made on formulating the concept and charge.

- **I believe that this subpanel, once well conceived, can have a very positive impact on research in our field.**

This subpanel will be addressing difficult and controversial issues.

- **It must conduct its activity in a thoughtful and collegial manner.**
- **Recall its purpose is to optimize the scientific capabilities of our field.**
 - **Not to serve (or please) any single sub-community**
- **Needs a balanced composition**
 - **Institution type** (Lab/Univ; Single/multi-purpose; big/small)
 - **Subfield** (Theory/experiment; frontier)
 - **Sponsoring agency** (DOE & NSF)
- **Expect to receive a formal charge**

HEPAP Activities

Future Meetings & Topics

HEPAP Meeting

Gaithersburg, MD; September 29-30, 2014

Andrew J. Lankford

HEPAP Chair

University of California, Irvine

December 2014 Meeting

Monday-Tuesday December 8th – 9th ; Bethesda

Reports (partial list):

- **Accelerator R&D Subpanel – Preliminary report**
- **Materials by Design and Opportunities for HEP**
 - Mike Norman – ANL Materials Science Division Director
- **Particle Data Group**
- **APS Division of Particles & Fields (TBC)**

March 2015 Meeting

Date not yet set (in discussion with agencies)

Proposed venue – Washington (not suburbs)

We would like to have a meeting with easy access to OMB and OSTP and other interested parties.

Timing is good considering FY2016 budget rollout, and Acceleratory R&D Subpanel report.

These plans delay the start of taking 1 meeting/year outside Washington area.

Reports (partial list):

- **FY2016 budget**
- **Accelerator R&D Subpanel – Final report**
- **Communications**

Consider in future to move Spring meeting to April, for more conservative timing wrt budget rollout and for more even distribution of 3 meetings/year.

List of Reports for Future Meetings

In addition to regular follow-up on ongoing activities, e.g.:

- Development of implementation of P5 plan
- *Etc.*

Reports (partial list):

- **APS Division of Physics of Beams**
- **CPAD**
- **Data projects**
- **Selected computing topics**
- **ASCR**
- **Further reports on connections with other disciplines**
- **Reports from other regions (Europe, Japan, China, etc.)**

Suggestions for further topics welcome.