

HEPAP Activities

Future subcommittee laboratory & university roles

HEPAP Meeting

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Future subcommittee on laboratory & university roles

**I have outlined this concept at past HEPAP meetings.
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.**

Today:

- **I'll recall the subject using slides from past meetings (mostly 12/2013)**
- **DOE-HEP will present:**
 - **DOE & HEP missions**
 - **Implications for laboratory & university roles**
 - **Followed by questions of clarification to DOE (or NSF)**
- **We will not pursue a full discussion of the issues today.**
 - **These are expected to be discussed and resolved by the future subcommittee.**

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)