

Initiating P5

HEPAP

Arlington, VA; Sept. 5, 2013

Andrew J. Lankford

HEPAP Chair

Initiating P5: Context

- **DOE OHEP & NSF MPS have charged the HEPAP Chair to “constitute a new P5 panel to develop an updated strategic plan for U.S. high energy physics that can be executed over a 10-year timescale, in the context of a 20-year global vision for the field.”**
- **Particle Physics Project Prioritization Panel (P5)**
 - HEPAP subpanel, appointed by HEPAP Chair
 - Reports to HEPAP, which reviews & approves report and submits to agencies
- **Most recent P5 report was in 2008. It has guided the program since.**
- **Much has changed since the 2008 P5 report (from the charge) :**
 - “... a need to understand the priorities, ... under more stringent budgets ...”
 - “the recent discovery of what appears to be the long-sought Standard Model Higgs boson and the observation of mixing between all three known neutrino types at unexpectedly large rates have opened up the possibility of new experiments and facilities that can address key scientific questions about the fundamental nature of the universe in new and incisive ways.”

P5 Composition

- **Composition:**

- **Members chosen for their combination of expertise and broad view of field**
 - **Solicited nominations widely; ~800 nominations, for ~400 individuals**
 - **Consulted widely, including SR, agencies**
- **Composition intended to cover range of expertise and roughly reflect demographics of field**
- **Size chosen as optimal for efficacy, considering above**

Steve Ritz (UCSC) - **chair**

Marty Briedenbach (SLAC)

Bob Cousins (UCLA)

Andre de Gouvea (Northwestern)

Marcel Demarteau (ANL)

Scott Dodelson (FNAL/Chicago)

Bonnie Fleming (Yale)

Fabiola Gianotti (CERN)

Francis Halzen (Wisconsin)

JoAnne Hewett (SLAC)

Wim Leemans (LBNL)

Joe Lykken (FNAL)

Dan McKinsey (Yale)

Lia Merminga (TRIUMF)

Toshinori Mori (Tokyo)

Tatsuya Nakada (Lausanne)

Steve Peggs (BNL)

Saul Perlmutter (Berkeley)

Kevin Pitts (Illinois)

Kate Scholberg (Duke)

Rick van Kooten (Indiana)

Mark Wise (Caltech)

additional member - TBC

Andy Lankford (UCI) – *ex officio*

possible additional *ex officio* members

(*e.g.* writing assistance)

P5 Process

- **Steve Ritz will present and discuss the charge to P5 and the P5 execution**
- **Please note:**
 - **P5 will build on the investment in the Snowmass process and outcomes.**
 - **P5 will continue interactions with the community: public meetings, town halls, further input, communications.**
 - **P5 will strive for transparency & present the rationale for its recommendations.**
 - **HEPAP will perform an independent review of the draft P5 report.**