

HEPAP Subpanel on the University Grants Program

Interim Report to HEPAP
October 12, 2006
Homer A. Neal

Outline

- Subpanel Charge
- Membership
- Proposed Study Timeline
- Process
- September 7-8, 2006 Meeting Summary
- October 5-6, 2006 Meeting Summary
- Plans to Acquire Community Input

Charge to Subpanel

- **Goals:** in broad terms, what should be our goals and objectives in supporting the university grant program? Is there an overall consensus on these goals that is communicated to and well understood by all stakeholders?
- **Scope:** What considerations apply that would serve to define the scope of the university program?
- **Quality:** Appraise the scientific and technical quality of the work being supported by the university program.
- **Relevance:** Assess the impact of the university program on the national and worldwide high energy physics efforts. Are there areas that are overemphasized, significantly under-supported, or missing altogether?
- **Manpower:** Does the university program have the correct number and distribution of university researchers at all levels to meet program objectives, including faculty, senior research staff, postdocs, graduate students, and professional staff for the near-, mid- and longer- term.

Charge (continued)

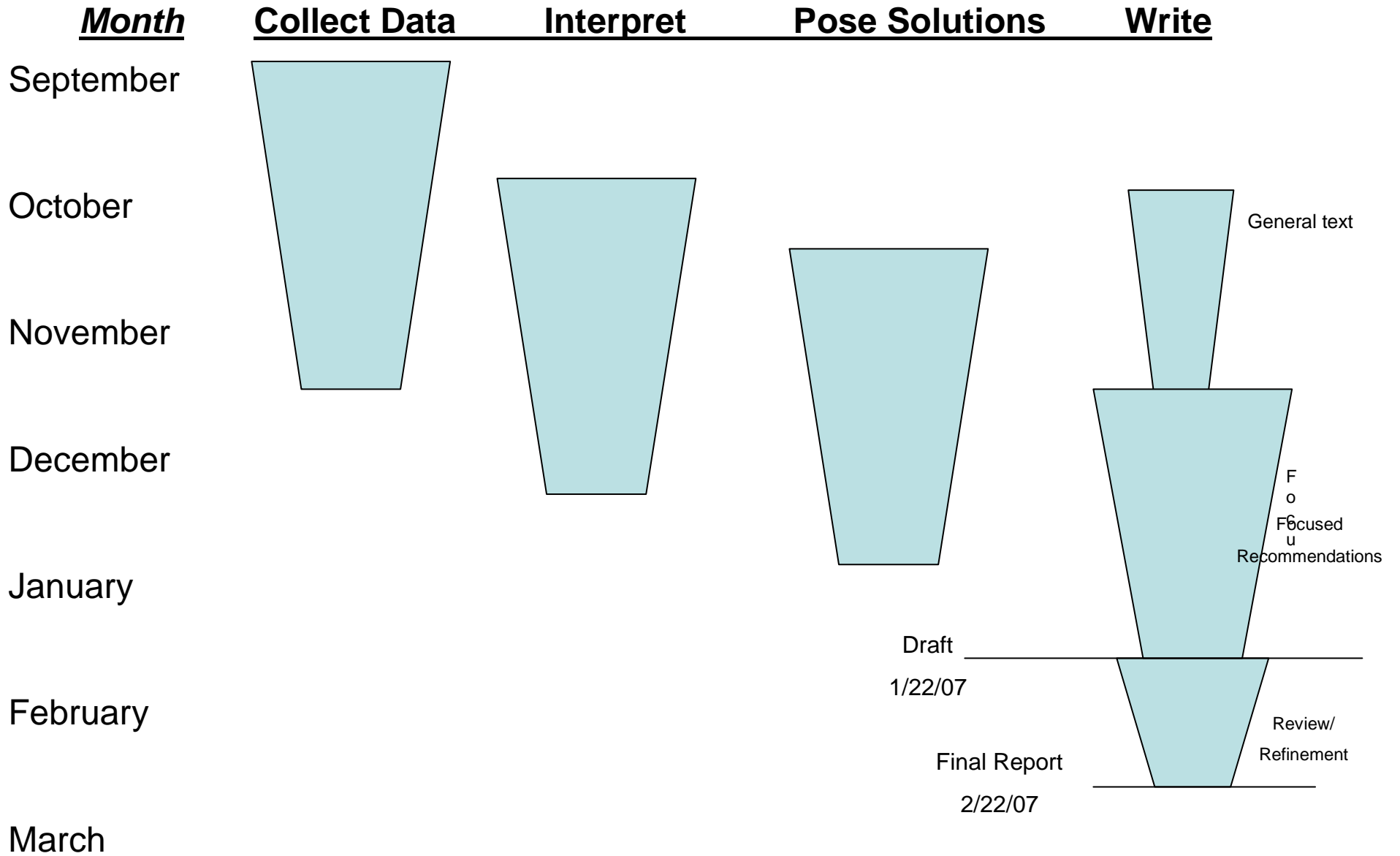
- **Resources:** Does the university program have the correct amount and distribution of resources to carry out its program scope? Include an assessment of the relevant contributions from allied programs in DOE, NSF and elsewhere. How should the program respond in the event of an increase or a decrease in available resources? In addition to financial resources, consider the need and availability of technical infrastructure at the universities.
- **Structures:** Do we have the right model of university funding, or do we need to revise or create new models for university research activity and support?
- **Management:** Examine how the programs are managed and overseen. How is the performance of the program optimized with respect to the overall goals and priorities? Suggest how management and performance might be improved, if appropriate.
- **Broader Impacts:** Consider the impact of program reach to the broader community - to other research disciplines, the public and private sector in research and education and in workforce development.

UGPS Membership

Thomas Applequist
Jonathan Bagger
Keith Baker
Jim Brau
Chip Brock
Jordan Goodman
Paul Langacker
Kevin McFarland
Homer Neal

Steve Olsen
Ritchie Patterson
Natalie Roe
Randy Ruchti, ex officio
Michael Shaevitz
Elizabeth Simmons
Wesley Smith
Chris Stubbs
Andy White
P.K. Williams, ex officio

Study Timeline



“Four-Pagers”

Overlaps with Prior Studies (RITCHIE PATTERSON)

Evolution and Impact of HEP Research at Universities (KEITH BAKER)

Models for HEP University Research (ANDY WHITE)

Human Resources (CHIP BROCK)

Funding (STEVE OLSEN)

University Culture (JORDAN GOODMAN-EXPT, PAUL LANGACKER-THEORY)

University Infrastructure (JIM BRAU)

The Dilemma of University Detector Groups (WESLEY SMITH)

Theory (TOM APPELQUIST)

Computing in Universities (WESLEY SMITH)

Collaborative Tools (MIKE SHAEVITZ)

Research Scientists (NATALIE ROE)

Education (ELIZABETH SIMMONS)

Spin-Offs (CHRIS STUBBS)

Management of the University Grants Program (KEVIN MCFARLAND)

Astrophysics in HEP (CHRIS STUBBS)

Subcommittee Assignments

- Writing group
 - W. Smith, R. Patterson, M. Shaeviz, T. Appelquist, J. Bagger
- University model
 - A. White, K. Baker, J. Goodman, J. Brau, P. Langacker
- Program administration
 - K. MacFarland, C. Brock, J. Bagger, N. Roe
- Data collection
 - N. Roe, J. Brau, S. Olsen, C. Brock, W. Smith
- Findings and Recommendations
 - R. Patterson, E. Simmons, C. Stubbs

September 5-6, 2006 Meeting Dulles Airport

- Agency budget profiles
- Human resource data
- LHC Physics
- Non-Accelerator Physics
- ILC
- Computing

October 5-6, 2006 Meeting Ann Arbor

- Education and Outreach
- High Energy Theory
- Proposal evaluation processes
- Funding decision statistics
- Update on subcommittee deliberations
- Decision on data collection
- Decision on future meetings

Plans for Acquiring Community Input

- DPF Town Meeting, November 2, 2006
- Planned late-November/early-December meeting at Fermilab with Town Hall component
- Planned January meeting at SLAC with Town Hall component
- Website creation
- Letter to be distributed via DPF
- PI surveys

Concluding Remarks

- Subpanel is launched
- Individual tasks have been assigned
- Basic presentations have been received
- Data collection strategy has been developed
- Challenge now is to receive broader community input, digest data and develop recommendations
- On target for study completion by mid-January