

# Presentation to HEPAP

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# News: FY06 funding markups

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- FY2005 funding for High Energy Physics is \$735.7M
- The Administration requested FY2006 funding of \$713.9M (3% down)
- The House bill would provide \$735.9 million (flat-flat)
  - \$11M addition for LC R&D and \$11M addition for neutrinos
- The Senate bill would provide \$716.9M (2.6% down)
  - \$3M addition for facility operations
- Next step is the House-Senate Conference

# Questions for P5

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- Our plan is to run the Fermilab Tevatron collider through FY09, and SLAC B-factory operations through FY08.
- We are asking for P5's help:
  - What factors or considerations might lead to completing B-factory operations one year, or two years earlier than planned? When would we be in a position to make such a determination and what information would be needed?
  - Similarly, for the Tevatron collider, what factors or considerations might lead to completing operations one year, or two years earlier than now planned? What might lead to running longer than now planned? When would we be in a position to make such a determination and what information would be needed?
- Note changes from earlier draft on the basis of input received

# P5 Charge: Context

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- Consider within international context
  - what's planned at KEK-B and LHC
- Assume a constant funding level for overall US HEP program
- Do not assume that geographic and programmatic distribution of the funds must remain as now.
- Assume that making funds available through redirection will
  - Likely strongly impact our ability to carry out smaller initiatives within the roadmap (neutrino, dark energy, dark matter)
  - Likely only weakly impact the start date for ILC construction, since that will largely be determined by other factors

# HEPAP Charge: Review of Accelerator R&D Program

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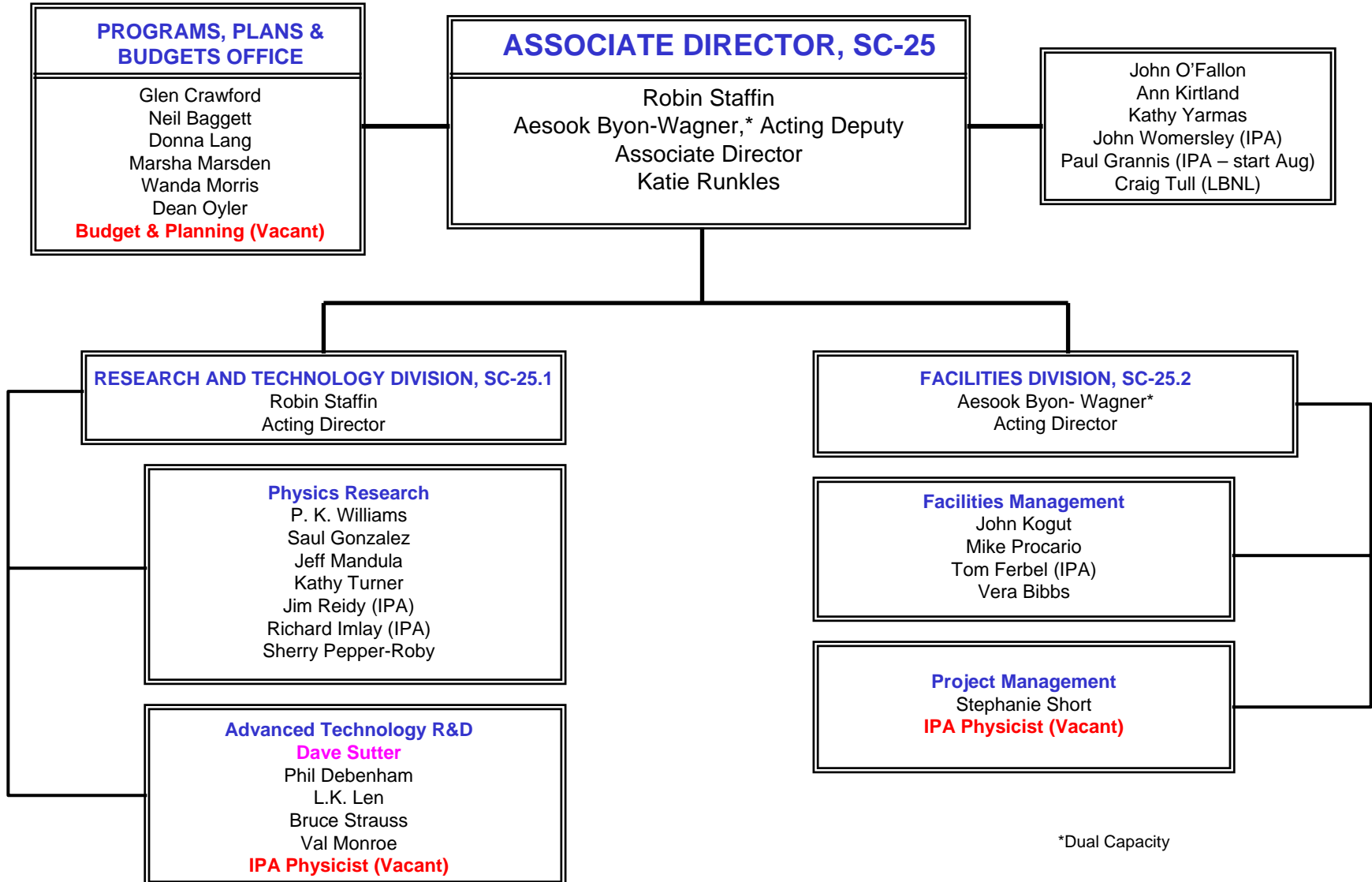
- Importance of Accelerator R&D program for our future
  - Needs no further elaboration
- Total support for accelerator R&D, including ILC R&D and LARP (LHC Accelerator Research Program): ~\$68M in FY05
- HEPAP to conduct a comprehensive review of all aspect of the accelerator R&D programs supported by DOE-HEP and NSF-EPP
  - Excludes redundant in-depth review of ILC R&D and LARP
    - ILC R&D: coordinated by the GDE Director with own set of reviews
    - LARP: well defined scope with own set of agency reviews
  - But committee should understand and comment on overall balance, interfaces and relationship with ILC R&D and LARP
- Draft report by end of October 2005
  - Final report by end of December 2005

# Recent Changes in OHEP - since January 2005

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- **New members**
  - Paul Grannis: National LC R&D program
  - John Kogut: Facilities Division, Laboratory Program
  - Stephanie Short: Facilities Division, Infrastructure and ES&H
  - John Womersley: Science Advisor to Associate Director
  - Kathy Yarmas: Program Analyst
- **New Appointment**
  - Aesook Byon-Wagner: Acting Deputy Associate Director
- **Retirement**
  - Dave Sutter: Leader of Advanced Accelerator R&D Technology
    - Long and distinguished career at DOE, building and sustaining a strong and world-leading accelerator research effort
    - His presence and efforts for the field will be missed
- **Positions to yet be filled (IPA or permanent staff positions)**
  - Leader of Advanced Accelerator R&D Technology
  - Budget & Program Planning
  - Project Management
  - Program manager for Accelerator R&D Technology

# OFFICE OF HIGH ENERGY PHYSICS



# Concluding Remarks

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- Reaffirm continuing a strong accelerator R&D program effort within the Office of High Energy Physics: Future of HEP, as well as supporting the wider applications for the Office of Science, rely on it
- Maintaining a strong team in the DOE Office of High Energy Physics: A necessary (but not sufficient) condition for a strong U.S. HEP program
  - This requires community participation and support
  - Laboratories carrying out other missions have energetically contributed to their sponsoring program offices. There is no logical reason why HEP-funded efforts at labs and universities cannot contribute to theirs.
  - Such participation can and has had a significant impact in our ability in making our case.