Character of the EOP Discussions on EPP

- **Seeking adiabatic transition pathways that provides a future for EPP research in the US.**

- **The majority of the discussions we have are setting a path for beyond ~ 2008 – 2009 timeframe. ("LHC Era").**
  - **50% of HEP is in Facility Operations.**
  - **25% of HEP is in Laboratory Research.**
  - **16% of HEP is in University Research.**

- **What is the future of FERMILab in the LHC Era?**
  - **Tevatron is the single largest expense (~30 - 33% of DOE HEP investments).**
  - **Will the focus be Neutrino Physics? Will the expense be worth it?**

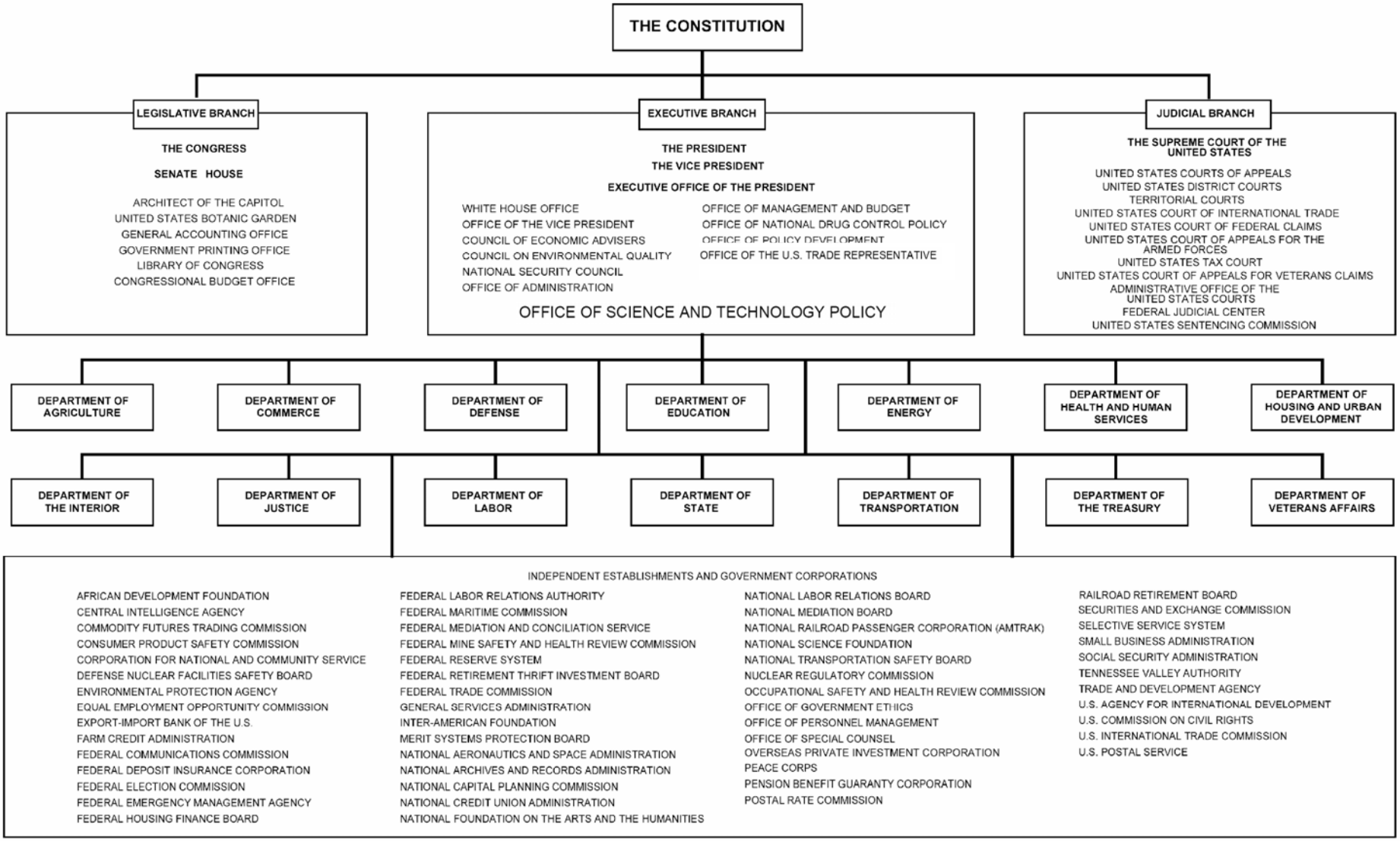
- **What is the future of SLAC?**
  - **SLAC is the second largest expense and significant ~ $100 - $120M (~15 - 16% of DOE HEP investments).**

- **Whither ILC?**

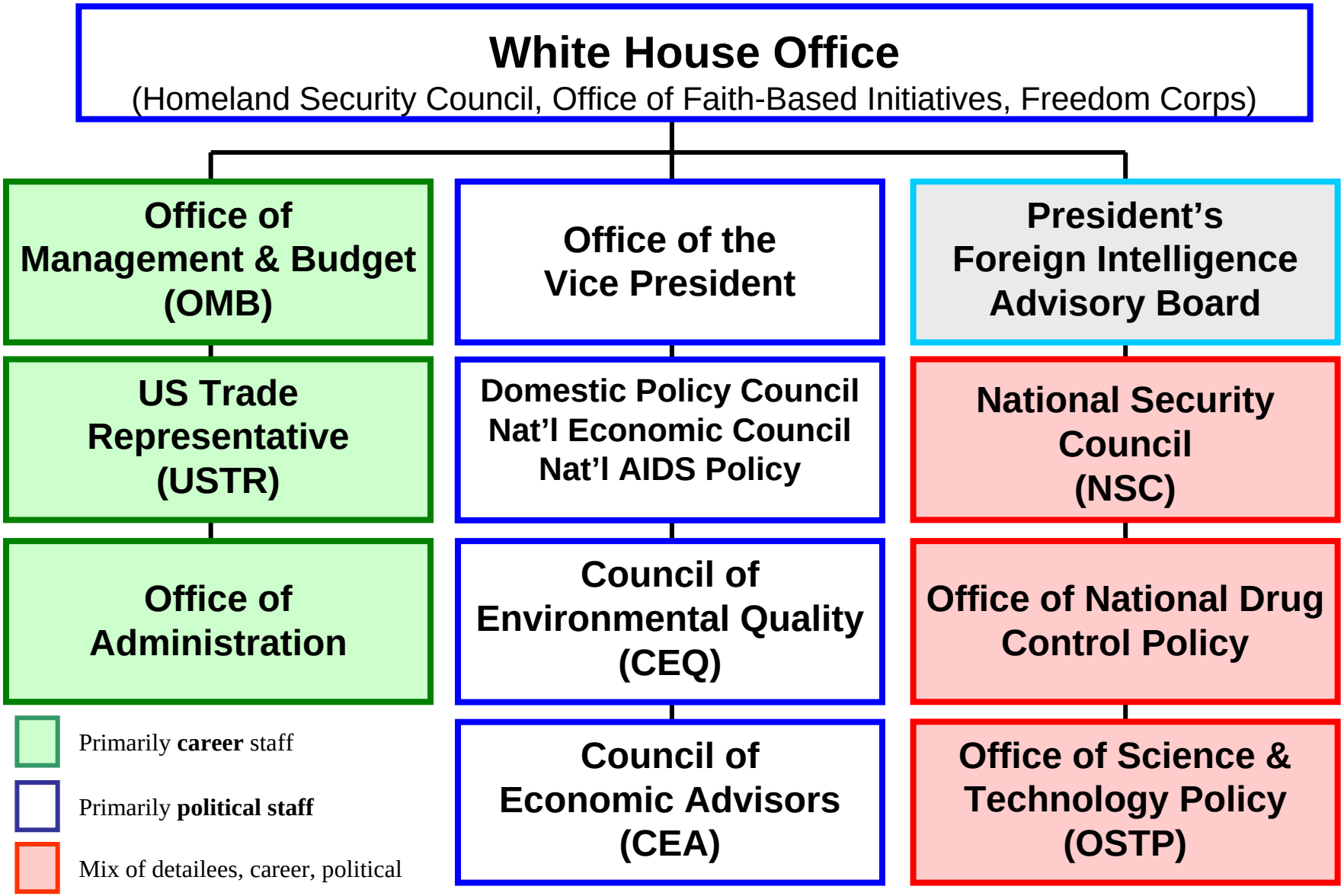
Comments on ILC from a US Perspective

- **Not an easy path forward. Not impossible, either.**
  - Always ask questions in a manner that does not force a ‘no.’
- **The path will have to be segmented.**
  - R&D, EDA, Construction decisions will need to be considered individually.
- **No single report will sell the ILC.**
  - The case will need to be built up over several years.
  - Great progress on communications over past 3 years.
- **Be realistic about timescale.**
  - A construction decision will be strongly influenced by election cycles.
  - Results from LHC are needed for a construction decision.
- **There will have to be sacrifice from the HEP program.**
  - Not all activities can continue.
- **For the US to host, there would need to be an international consensus.**
- **The ILC will have to be a Presidential Initiative.**

THE GOVERNMENT OF THE UNITED STATES



Executive Office of the President (EXOP)



ITER Decision: Process

- First appeared in OSTP in late April, 2002.
- Early briefings to EOP Offices, May 2002.
- PCC formed to develop policy options, consider recommendation to the President (Summer 2002).
  - OSTP, NEC, OVP, NSC, OMB, DOE, State.
    - Discussions focused on scientific elements, scientific importance of ITER to FES in the US, relation to other energy technologies/development programs.
  - Cost uncertainties surface early: "Lehmann Review" of ITER Costs (Oct/Nov 2002).
  - NAS asked by DOE to provide timely input to the process:
    - Should US join ITER? Under what conditions?
    - NAS panel convened in September, 2002. Letter report in November, 2002.
- PCC reconvened late November, 2002.
  - Staff, Deputies Level (Chaired by NEC) meetings late November, early December.
  - Final Principals Meeting December 2002 – Recommendation to President to rejoin ITER at 10% level.
- Announcement by Press Release January 30, 2003.

ITER Comments: Con't.

- ITER C-175 Completed in early 2003. US rejoined negotiations.
- ITER Site decision was also run through a PCC. Recommendation based on technical considerations. (Fall, 2003)
- Site decision process did not really affect ITER.
- US participation in jeopardy? (Boehlert Amendment, Spring 2005)
  - Community consensus is still lacking. ITER vs Domestic Program.