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# **Strategy Discussion: Is Fermilab on the right track?**

Joe Lykken

Physics Advisory Committee meeting

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# Is Fermilab on the right track?

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- Concerns about how we are moving on the neutrino program
  - LBNF/DUNE: the big push + international relations/perceptions
  - Coherence of SBN with DUNE, CERN platform
- Issues of communication and partnerships
  - International, U.S. university community, other labs
  - What messages are we not hearing/understanding?
  - What messages are we not getting across and to whom?
- How can we better use/configure the PAC
  - Relation of PAC to the LBNC
- Concerns about the the rest of the Fermilab program
  - LHC, Muon program, Cosmic, PIP/PIP-II/LCLS-II,...

# Concerns about how we are moving on the neutrino program

- LBNF/DUNE:
  - The big push in 2015
  - International relations/perceptions
  - Has DUNE presented a sufficiently exciting + compelling science program?
- Coherence of SBN with DUNE, CERN platform
  - Sensible balance of SBN science reach vs R&D overlap with DUNE?
  - Does SBN + CERN prototypes provide the right stepping stones in the right timeframe to optimize DUNE?

# Issues of communication and partnerships

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What messages *to* us are we not hearing/understanding?  
What messages *from* us are not getting across well?

- International community
- University community in the U.S.
- Other labs
- Are there Fermilab conspiracy theories, major misperceptions?
- Is the “P5 consensus” holding? What Fermilab actions weaken or strengthen this?

# How to better use or configure the PAC?

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- Relation of PAC to the LBNC
- What else?

# Concerns about the rest of the Fermilab program

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- LHC
  - Is it both practical and sensible to sustain the current analysis/operations/computing level of effort, and to build up for U.S. role in the phase 2 CMS upgrades?
- Muon program
  - Getting enough attention?
  - Are we planning for success?
- Cosmic Frontier
  - Appropriate plans for dark energy, dark matter, CMB?
- Accelerators: PIP, PIP-II, PIP-III, LCLS-II, FAST, future colliders, ...
  - Coherent plan? Correct priorities?