

DPF Meeting 2017



July 31 – August 4
dpf2017.fnal.gov
Fermilab



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Panel Discussion: Towards next Snowmass

Fermilab, August 1, 2017

Global HEP Boundary Conditions

Current timelines

- The 2014 P5 Plan is our current roadmap, which has strong support in Washington.
- HEP DOE does not anticipate budget headroom for major new initiatives before 2024
- European Particle Physics Strategy update process begins 2018 with final results in early 2020
- Anticipated ILC Japanese decision in 2018
- NAS Astronomy and Astrophysics decadal Survey 2018-2020

Potential changes and adjustments

- Possible major discoveries, e.g. LHC, Dark Matter searches, Sterile Neutrinos, Muon g-2
- Possible new experiments that we didn't think we could do, enabled by technology advances
- The definition of the scientific boundaries of HEP may widen

DPF Questions to the Community (see next slide)

DPFEC has formed a DPF subcommittee (Cushman, Incandela, Carena, Hewett, Scholberg, Tuts) plus community members (Lankford, Ritz, Witherell), in consultation with NSF and DOE, to help towards Snowmass Community Exercise Preparations.

Please send us your thoughts by e-mail at:

dpfsnowmass@fnal.gov

Thank You!

DPF Questions to the Panel and the Community

- What were the major strengths and weaknesses of the previous Snowmass process?
- In view of the Global HEP boundary conditions, what is the optimal timeline for the next Snowmass Exercise?
- How does this process connect with National Academy of Sciences Studies?
- How should this process connect with other global HEP exercises?
- How does this process connect with other APS Units, e.g. DAP, DPB, DNP?
- How do we get the early career members of the community effectively involved in the process right from the beginning?
- Are there existing or emerging opportunities for which DPF, in coordination with the agencies, could help organize studies/workshops prior to the next Snowmass?