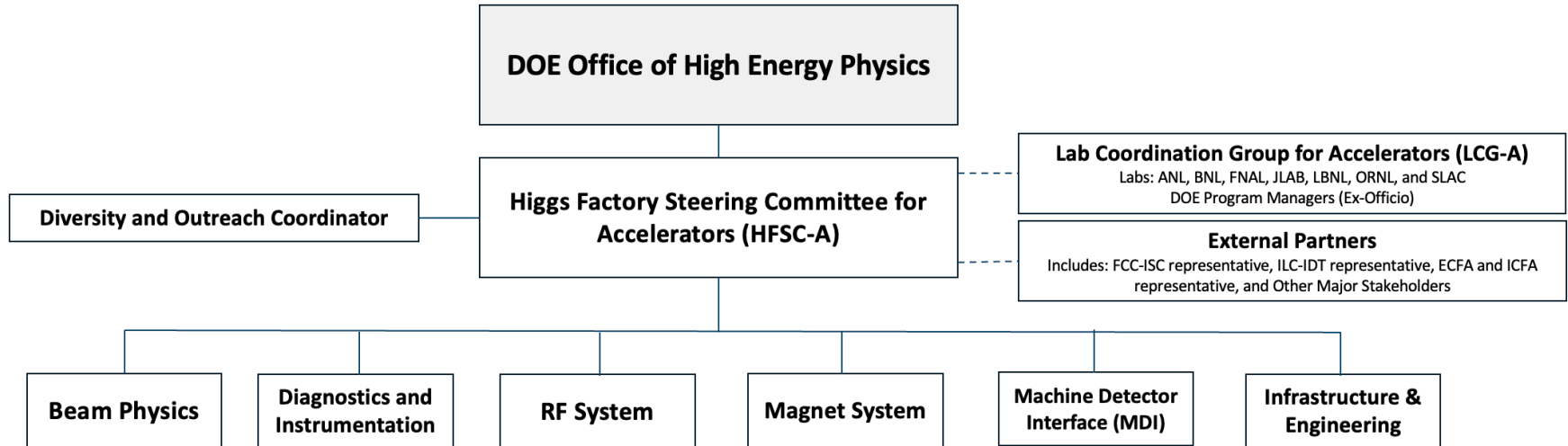


HFSC-ACC

U.S. Organization for Higgs Factory Development – Accelerators

- ◆ DOE is separately preparing a charge that forms a ***nationally coordinated U.S. Higgs Factory Coordination Consortium (HFCC)*** for developing the **accelerators program**; the **charge-to-be-released soon**.
- ◆ In general, similar structure as the U.S. HFCC for PED; includes appropriate partners and accelerator systems
- ◆ Membership in the Higgs Factory Steering Committee for Accelerators (HFSC-A) **is under discussion**, and the Committee's leaders **are to be identified soon**.



Higgs Factory Steering Committee - ACC

Accelerator efforts to be coordinated by the respective Consortium include:

- Physics and technical feasibility studies, including any associated design and R&D efforts, to advance the accelerator designs for a future e^+e^- collider
- Prioritization and stewardship of national R&D efforts (under any available funding)
- Pre-project R&D prior to DOE initiating an accelerator project at a future e^+e^- collider
- Conceptualization of appropriate accelerator controls software and computing framework



Tor Raubenheimer
(SLAC) - Chair



Steve Gourlay (FNAL)
– Deputy Chair



Jean-Luc Vay (LBNL)



Matthias Liepe (Cornell)

Next Steps

- We are a little behind . . .
- Solicit names for Laboratory Coordination Group from laboratory leadership
- Gather nominations for L2's from the community (self-nominations welcome)
- Please let us know if you would like to give a short presentation on a Higgs Factory accelerator topic at one of the USFCC meetings

HFSC-ACC Charge

The U.S. HFCC-A is to coordinate efforts in the following areas:

- (1) Physics and technical feasibility studies, including any associated design and Research & Development (R&D) efforts, to continue to advance the accelerator designs for a future e+e- collider;
- (2) Prioritization and stewardship of the national accelerator R&D efforts should funds be identified by DOE;
- (3) Development of the pre-project accelerator R&D scope that will be required prior to DOE initiating any accelerator project at a future e+e- collider;
- (4) Conceptualization of the accelerator controls software and computing framework that will enable highly automated and remote operation while maintaining appropriate security;

HFSC-ACC Charge

(5) In consultation with DOE program managers, develop various funding models that will be required to support the R&D efforts described in items (3) and (4) above; and

(6) Ensure collaborations by the U.S. with our partners are cost-effectively carried out to advance the future Higgs factory initiatives. Such partner efforts include, but are not limited to, those being undertaken by a) the DOE Office of High Energy Physics (HEP) General Accelerator R&D program; b) the CERN-hosted Future Circular Collider (FCC) Feasibility Study; c) the International Committee for Future Accelerators; d) the International Linear Collider (ILC) International Development Team (IDT); e) the European Committee for Future Accelerators; and f) other major stakeholders.