

Charter of the
Fermilab Accelerator Advisory Committee

March 30, 2018

The Fermilab Accelerator Advisory Committee (AAC) reviews and advises the laboratory on accelerator operations, upgrade plans and accelerator R&D aimed towards the development of future accelerator facilities as well as advancing accelerator science in general. The committee meets at least annually and reports to the Fermilab Director.

The Fermilab Director provides a charge to the AAC in advance of each meeting. An agenda for each meeting is negotiated between the AAC chair and the Fermilab Head of Accelerator Science Programs.

The AAC is expected to review and to monitor progress within the Fermilab accelerator operations, upgrades, projects and R&D programs with respect to the established laboratory objectives, currently encompassing:

- Fermilab Linac, Booster, Muon Campus, Main Injector, Recycler, and Targets operations and upgrades;
- The Proton Improvement Plan (PIP) upgrades;
- The PIP-II Project and related upgrades for 1.2 MW;
- LHC Upgrades;
- Fermilab's involvement in the LCLS-II project;
- Muon beams for the g-2 and Mu2e Experiments;
- Accelerator Test Facility operations and upgrades;
- Accelerator-related research and development at IARC;
- Other advanced accelerator R&D programs, e.g. accelerator science, future multi-MW beams, high-power targets, IOTA, RF technologies, high-field magnets, and related technologies for future hadron and lepton colliders, and high-intensity accelerators.

It is anticipated that this list of Fermilab activities will evolve over time.

The AAC is expected to address high-level strategic, programmatic, and planning issues, rather than specific implementation details. The committee will be allocated time to discuss amongst themselves, in a closed session, any issue without laboratory management present.

The AAC will issue a written report containing an evaluation of progress, and recommendations where warranted, to the Fermilab Director within a month of each meeting. The report may contain information that does not address the charge directly, but the Chair considers valuable advice to the laboratory. Membership on the committee will be for fixed three-year terms with ~30% turnover every year. The Chairperson of the P2MAC (PIP-II Machine Advisory Committee) will be, *ex officio*, a member of the AAC.