

**Charter of the
Proton Improvement Plan II, Machine Advisory Committee (XMAC)**

The PIP-II Machine Advisory Committee (XMAC) is formed initially to review, monitor, and offer advice relative to the R&D program directed toward the development and preparation for construction of PIP-II, a multi-MW proton facility at Fermilab. The XMAC will continue in this advisory role once PIP-II enters the construction phase. The XMAC will be asked to look at the overall strategy and to concentrate on R&D areas that are deemed critical to successful implementation of PIP-II, and to offer advice and recommendations on the appropriateness of the associated effort. The XMAC is also invited, on its own initiative, to identify areas that need greater attention than is currently being given.

The XMAC will normally meet at least once a year, but may be called upon more frequently as conditions warrant. A specific charge for each meeting will be developed by the Fermilab Associate Laboratory Director for Accelerators and transmitted to the XMAC chair and PIP-II management team well in advance of the scheduled meeting.

The XMAC will be formally constituted as a sub-committee of the Fermilab Accelerator Advisory Committee (AAC) and the XMAC Chair will serve as a member of the AAC. This will allow integration of advice relative to PIP-II into the overall accelerator development strategy of the laboratory. The AAC reports to the Fermilab Director.

It is expected that the XMAC will present a verbal report at the end of each meeting, followed by a written report submitted to the Fermilab Director within one month. Copies of the report will be made available to the PIP-II management team and to the Department of Energy/Office of High Energy Physics.

XMAC members are appointed by the Fermilab Director with an initial term of four years.