

Charge for the Initial Meeting of the Project X Machine Advisory Committee

March 18-19, 2013

Fermilab

The Project X Machine Advisory Committee (XMAC) is asked to review the Project X Reference Design, as described in the recently released Reference Design Report, and the accompanying accelerator R&D plan. Advice and/or recommendations are sought relative to the viability of the design concept and the appropriateness of the accompanying R&D strategy. In particular we would like specific advice, recommendations, and/or commentary on:

1. Does the Reference Design represent a viable concept for high intensity proton facility meeting the enumerated performance goals?
2. Have the primary areas of technical and cost risk associated with the Reference Design been identified? Does the R&D strategy address these risks in an effective manner?
3. Does the R&D plan implement the strategy in an effective manner? Are the risks appropriately prioritized and will the completion of the R&D plan provide a basis for proceeding into the Project X construction phase with confidence that performance goals can be met?

The XMAC is not limited by these specific charge areas and may delve into other related areas, and offer advice, comment, or recommendations, as it deems appropriate under the general guidance of this charge. We request an oral closeout presentation by the XMAC with Fermilab management, the Project X Collaboration, and DOE observer(s) at the end of the meeting. A written report is request to be submitted to the Fermilab Director by April 8, 2013.