

DRAFT

Charge to the IMCC International Advisory Committee (IAC) Interim Report review.

An International Advisory Committee (IAC) is set to follow and regularly review the progress of the International Muon Collider Collaboration.

General mandate:

The mandate of the IAC is to review the scientific and technical progress of the study. The IAC consists of external experts, not actively participating in the Muon Collider study, with expertise covering the key technological and scientific domains relevant to the study. The same group will act as Advisory Committee for MuCol EC design study.

Specific mandate:

As a first task, the IAC will review the IMCC Interim Report submitted January 2024.

The review should cover all elements of the report covering the accelerator, detector and physics studies, in terms of scope definition, parameters and results as presented, work planned and in progress as presented, completeness and inconsistencies. The committee shall provide advice on priorities and improvements for the final report expected by the end of 2025.

The IAC shall consider how the muon collider study is presented and pursued in the landscape of other studies, e.g. for Higgs factories, hadron machines and high energy e^+e^- machines, and if appropriate provide advice for common studies or complementary studies.

The committee is invited to give suggestions on any aspect of IMCC beyond the above items.

The review:

The review will take place in February, by zoom, based on a half day of presentation. The interim report shall be made available at least two week before the review.

A written review report shall be delivered to the chair of the SG by end of February.

The review report (~4-6 pages) is expected to have a general part, and comment on each chapter of the IMCC interim report, providing observations/comments/recommendations for each part.