

Collider-Accelerator Department
Machine Advisory Committee Meeting (C-AD MAC-19)

12 – 15 December 2022
Zoom Remote

Charge

The Collider-Accelerator Department (C-AD) is preparing for the 3 more years of running with the new sPHENIX detector and STAR. After completion of the RHIC program there will be transitions to Electron Ion Collider (EIC) construction, commissioning, and operation.

During this year's MAC we request the committee's review and advice on (i) the operation with sPHENIX and (ii) the presented R&D initiative.

For each item, please address the following charge questions:

- a) Are the technical goals realistic and is the progress appropriate to meet the stated goals?
- b) Are there any technical issues that were missed and/or need additional attention by the team?
- c) Is the accelerator R&D effort well executed and future work well planned?

Any other comments on the C-AD accelerator operation and R&D are welcome.

It is requested that a concise report responsive to this charge be forwarded to the C-AD Chair, Wolfram Fischer, by 23 December 2022.