

Questions to be answered for the new Equipment in SAMURAI

May, 2013, SAMURAI Collaboration

A: Detector setup

- Draw the top view of the typical experimental setup with this Equipment in SAMURAI facility.(See also Q's D,E and F)

B: Man power

- How many staffs, post docs, Ph.D students are involved in the development/construction of this equipment? (Rough number is o.k.) Specify the names of the staffs, postdocs and their institutions of the collaboration. Who is the spokesperson?

C: Schedule

- Do you make a commissioning run?
- If so, when is the target date to perform the commissioning experiment?
- How many days before the run are necessary for the preparation occupying the SAMURAI area?
- If you already decide which experiment should be the first experiment after commissioning, specify it.

D: Vacuum Chamber/Pipe

- How do you configure the vacuum chamber/pipe?
- Do you need to make new pipe/chamber or special flange/window for the SAMURAI beam line or magnet downstream? If so, conceptual design of the pipe/flange/window should be given. They could be added in the drawing for Q.A.

E: Standard detectors of SAMURAI (BPC/BDC12/ICB/FDC1/FDC2/NEBULA/ICF/HODF/HODP)

- Which detectors from the standard SAMURAI setup do you use? How do you locate them with respect to SAMURAI magnet? At which angle the SAMURAI magnet is set and at which magnetic field is it used? Corresponding drawings for these should be added to your drawing for Q.A.

F: Detector(s) developed in this Equipment

- Rough explanation of the Equipment
- How is it located? Is it in vacuum? It should be added to your drawing for Q. A.
- What kind of infrastructure do you need? (Electricity, Nitrogen pressurized gas, etc.)

G: DAQ, Trigger

- Do you use only the standard SAMURAI DAQ? If not, what is added, or used instead?
- What is your trigger signal? Which signals from which detectors are used for that?