

## Questionnaire

Please provide the following information before you propose an experiment at the SAMURAI facility, at RIBF at RIKEN.

### A: Experimental setup

- i) The top view of the experimental setup at SAMURAI facility.
- ii) Information as to which SAMURAI standard detectors will be used. Their location should be included in the drawing in i).

B: Information on the magnet setting (rotation and field strength).

C: Trajectories of the main charged fragments and unreacted beams (main one) should be included in the drawing A(i).

### D: Manpower

The rough number of collaborators (Number of faculty, posdocs, Ph.D. students). Please provide the number of collaborators i) expected to participate in the setting of the detectors before the beam time, and ii) expected to participate in the data taking.

### E: Timeline

Timeline to perform your experiment, including the necessary period occupying the SAMURAI area for preparation of your experiment.

### F: Vacuum configuration

If you need new vacuum pipes/chambers for your experiment, their (conceptual) design should be provided. They should be included in the drawing prepared in A(i).

### G: Additional detectors

If you bring and use detectors/equipment for your experiment in addition to the SAMURAI standard detectors, their details should be provided, including the required infrastructure at SAMURAI area. They should be included in the drawing in A(i). If you need a commissioning run for the detectors, please provide the necessary justification. The expected date for machine time (relative to the main run) should be also included in the timeline provided in D.

### H: Trigger and DAQ

Trigger conditions and DAQ configuration should be provided, including the expected trigger rate. If you will use your own DAQ, please provide details on how it will be synchronized with the existing SAMURAI/RIBF DAQ.

The detectors and magnet information of SAMURAI can be found at <http://ribf.riken.jp/SAMURAI/>