

Research Locations



RIKEN BNL Research Center

polarized proton beam colliding
High-speed lattice QCD computing

RIKEN Nishina Center

RI Beam Factory
most intense exotic RI beam

Center for Nuclear Study,
The university of Tokyo



RIKEN RAL Facility Office

intense muon beam

RI Beam Factory

RI Beam Factory provides opportunities to study the nature of unstable nuclei in a wide range up to Uranium. Its multi-step acceleration enables acceleration of high-intensity heavy-ion beams, and hence produces secondary beams of unstable nuclei in a great variety. The last cyclotron, SRC, weighs 8,300 ton, which is heaviest in the world. The RI Beam factory has currently highest capability of producing beams of unstable nuclei.

