Project Title:

Beam dynamics simulation in accelerators

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We have a plan to study space charge effect in the low-energy ring cyclotron of RIBF accelerator complex using OPAL (Object Oriented Parallel Accelerator Library). In FY 2014 we could successfully installed OPAL into the HPC. Unfortunately there was not enough time to perform science runs but test runs in 2015. However I have a plan to perform science runs particle-core models using OPAL in FY2016.