

Project Title:

Beam dynamics simulation in accelerators

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Description of the project

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 2010 we could accomplish the non trivial program installation of OPAL. Unfortunately there was not enough time to perform science runs in 2010 and 2011. I would like to make a time to install OPAL in the next fiscal year.