

2010/1/22: Neutron Program Advisory Committee

Program ID: 2009S07

Title: Construction of advance neutron beam line for Village of Neutron Spin Echo spectrometers(VIN ROSE)

Principal Investigator: Masahiro Hino

Decision: continue

Beam allocation: $\beta = 0$ %

Approval and suggestion(s) to IMSS: budget and resources

The committee approves to continue TOF/MIEZE experiments including commissioning of the MIEZE/NRSE at BL05. The committee also approves designing dedicated beamline at BL06 and support travel expenses for meetings, costs for shielding calculation, etc.

Comments:

The project is to develop a TOF spin-echo beamline with the MIEZE technique in order to open slow-dynamics physics in magnetism and soft matter science etc. The investigators have been carrying out R&D work at the MINE beamport of the JRR-3 reactor under the fund by the JST (the project name: Development of Spin-echo instruments based on the neutron spin interferometry). In MLF, they observed the first echo signal at BL10 and then observed interferometry patterns at BL05. Separately, their proposal to construct a dedicated beamline at BL06 was approved by the Instrumental Proposal Review Committee of J-PARC.

Considering the progress of their activity, we approved to continue the project proposal as one of the S-type projects of the Neutron Science Laboratory of the Institute of Materials Structure Science.