

2010/1/22: Neutron Program Advisory Committee

Program ID: 2010S11

Title: "Neutron Transmission Imaging"

Principal Investigator: Yoshiaki Kiyanagi

Decision: Continue

Beam allocation: Not applicable. (no beam line to be used.)

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

The project requires only travel experiences, which are regarded as reasonable and well deserve to be funded.

Comments:

The project aims at pioneering advanced techniques in neutron transmission imaging, both by taking advantage of the powerful neutron source at J-PARC and by bringing up the emerging technology of compact accelerator neutron generation. To this end, the group intends to carry out developments in the methodologies, detectors, and accelerators that are all essential in neutron imaging. The project started in the last fall - only a half year ago, and has already proceeded with their plan almost on schedule up to the present.

The proposed plans for Year 2010 and after also seem to be appropriate on the whole, but there might be a few points that are better to be clarified in the not-too-distant future: Targeted specifications and performances of the detectors they plan to develop in Year 2010 should be put more quantitatively in the proposal. In which year a compact accelerator at Kyoto University is planned to be constructed, and from when the neutron beams from it are to be provided, need to be stated obviously. Though keeping these points in mind, the Committee recommends this proposal to be continued as an S-type project at KENS/IMSS.