

## **Group Report BL17 SHARAKU - Aug 2012**

### **Beamline Update**

#### **Reflectometer Maintenance**

Maintenance work on the reflectometer continued this month with some optical elements being re-aligned. The encoders associated with these components were re-installed and calibrated after being overhauled. Also, the vacuum pump for the upstream beamline optics was replaced.

Some progress was made on software for processing data from the 2D detectors.

### **J-PARC Open House**

Being located along the visitor observation route, BL17 and the beamline team played an active role in the J-PARC Open House that was held on Sunday the 29<sup>th</sup> of July. Visitors were able to see the beamline shielding and the the control cabin including computing facilities used for beamline control and data analysis, data acquisition and detector electronics and a poster presentation that described neutron reflectometry and its applications.

### **Data Analysis Facilities in the IQBRC**

Two powerful desktop computers have been installed in Room B404B of the IQBRC ([User Data Analysis Room](#)) for offline processing and analysis of reflectivity data collected at BL17. The 64-bit Windows PCs (English and Japanese versions) are installed initially with MS Office, KaleidaGraph and Igor. They will be networked to the beamline data storage server in the near future.