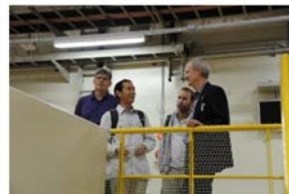


## *What is CROSS-Tokai?*

- ➔ An independent agency appointed by the Japanese government in April 2011 to administer, support and promote the user program on the public-access neutron beamlines (Public Beamlines) at J-PARC
- ➔ A partner organization that works hand-in-hand with J-PARC to provide open and transparent access to researchers from around the world wishing to use the J-PARC Public Beamlines
- ➔ A center of neutron beam-based science and technology with a specific mandate to support strategic research initiatives of the Japanese government

## *What does CROSS-Tokai do?*

- ➔ Manage the proposal evaluation and beamtime allocation process for the neutron Public Beamlines at J-PARC
- ➔ Provide user support on the Public Beamlines
- ➔ Promote the use of the Public Beamlines at J-PARC through a variety of outreach activities targeting both academic and industrial research fields



## *How does CROSS-Tokai do this?*

- ➔ With a team of 30+ beamline scientists and specialist technicians dedicated to supporting the experimental program on the 6 Public Beamlines
- ➔ By operating and maintaining user and experiment support facilities such as sample preparation and characterization labs, data analysis infrastructure, meeting and conference rooms, User Lounge etc.



In all its activities, CROSS-Tokai works in close collaboration with the MLF to enable the highest quality scientific outcomes for the users of the neutron Public Beamlines.

## Experimental Hall 2

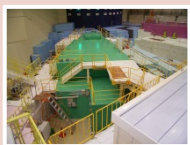


## Experimental Hall 1



### **BL15 TAIKAN 大観**

Small and Wide Angle Neutron Scattering Instrument

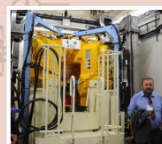


Structural analysis on the sub-nano to micron scale of soft matter, biomolecules, metals and magnetic materials

Proton beam

### **BL11 PLANET**

High-Pressure Neutron Diffractometer



Structural analysis and radiography of liquids and crystalline materials under extreme pressure and temperature conditions

### **BL17 SHARAKU 写楽**

Polarized Neutron Reflectometer

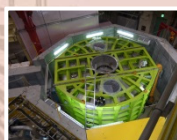


Structural analysis of surfaces and buried interfaces in functional thin film materials, biological membranes etc.

Neutron production target

### **BL02 DNA**

Biomolecular Dynamics Spectrometer



Measurement of atomic motion and spin dynamics (in magnetic systems) of bio-macromolecules, soft matter and functional materials

### **BL18 SENJU 千手**

Extreme Environment Single Crystal Neutron Diffractometer



Crystal and magnetic structure analysis of functional materials

### **BL22 (Under construction)**

Energy-Resolved Neutron Imaging System



Visualization of the spatial distribution of crystal structures, nuclides and magnetic domains by neutron transmission imaging and 3D reconstruction

### **BL01 4SEASONS 四季**

4D-Space Access Neutron Spectrometer

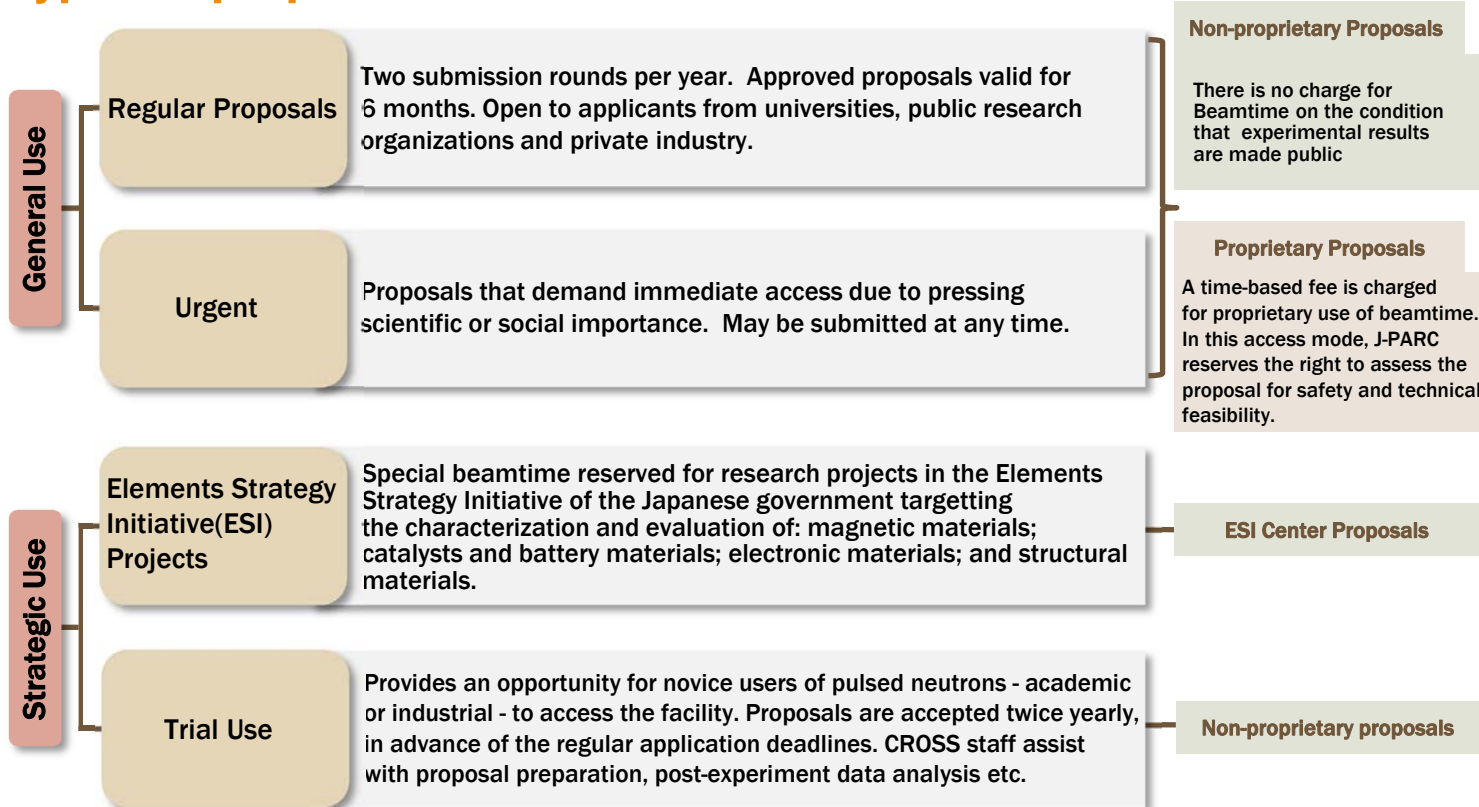


Measurement of spin and lattice dynamics in condensed matter over a wide range of 4D momentum-energy space



# How to access the Public Beamlines at J-PARC

## Types of proposals



## STEP 1 : Consultation

For information about the neutron beamlines at J-PARC or assistance with any aspect of accessing these facilities, feel free to contact the CROSS-Tokai Science Coordinators.

Science Coordinators  
E : [user\\_question@cross.or.jp](mailto:user_question@cross.or.jp)  
T: +81 29-219-5300  
F: +81 29-219-5311

J-PARC Center Users Office

Ibaraki Quantum Beam Research Center

## STEP 2 : Proposal submission

Submit a proposal online via the J-PARC Proposal Submission System at <https://jpms.j-parc.jp/j-pas/auth/menu.jsp>  
All non-proprietary proposals are assessed by the Proposal Evaluation Committee

## STEP 3 : Administrative requirements

Once your proposal has been approved, complete the administrative requirements online via the J-PARC User Support System at [https://jrs.j-parc.jp/usjparc/ui/index\\_E.jsp](https://jrs.j-parc.jp/usjparc/ui/index_E.jsp)  
For more detail, please <http://j-parc.jp/researcher/MatLife/en/applying/index3.html>

## STEP 4 : Using the beamline

## STEP 5 : After the experiment

After your beamtime, complete the post-experiment administrative requirements

- Submit a Beamtime Completion Report
- Submit an Experiment Report within 60 days (non-proprietary proposals)

For more details please see <http://j-parc.jp/researcher/MatLife/en/applying/index3.html>