

NBI2017: 10th International Workshop on Neutrino Beams and Instrumentation + 4th RaDIATE Meeting



Monday, 18 September 2017 - Friday, 22 September 2017

IVIL: industry & information plaza, Tokai-mura

Venue & Program



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	Mon Sep.18	Tue Sep.19	Wed Sep.20	Thu Sep.21
9:00	NBI Registration	NBI	NBI RaDIATE	NBI RaDIATE
10:00	Welcome address	Neutrino Flux Prediction & Hadron Production Measurements	Rad.Prot. & Waste Treatm.	Welcome address for RaDIATE session
11:00	Facility Operation Updates & Future Facilities -II	Coffee Break	Coffee Break	Neutron Facilities-I
12:00	Facility Operation Updates & Future Facilities -II	Lunch	Move to J-PARC	HPT Rad. Damage Studies, PIE tech. -I
13:00	Lunch	Lunch	Lunchbox	Coffee Break
14:00	Facility Operation Updates & Future Facilities -III	Rad.Safe Training for Export Tour	Training Expert T.	Neutron Facilities-II
15:00	Quality Control System	Decay Volume, Rad. Registration	Facility Tour	Nucl./Rare Proc. Physics Facilities
16:00	Primary Beamline & Beam Monitors	Coffee Break	RaDIATE MoU Signing Ceremony	NBI Wrap-Up
17:00	Primary Beamline & Beam Monitors	Maintenance	Move to Banquet Place / brief sightseeing at Oarai	Coffee Break
18:00	Welcome Reception	Wine&Cheese Break	Banquert: Aji-Goyomi Miyata, O-arai	HPT Rad. Damage Studies, PIEtech-
19:00	Keynote Lecture: NuMI 700kW Operation by Jim Hylan	Keynote Lecture: NuMI 700kW Operation by Jim Hylan		MC Code for Rad. Damage Estimation

The workshop venue, IVIL: industry & information plaza, Tokai-mura village, is 3 minute walk from the east gate of JR Tokai station. Guests are recommended to stay in a hotel near either Mito station or Katsuta station and use the train service to reach the workshop venue. It takes 10-15min by JR Joban-line local train from Katsuta/Mito station to Tokai station. Since you will utilize the train every day, it may be worth to try purchasing IC card ticket.

JR Joban-line local train timetable

Ticket fare (one way): JPY240(237 for IC card) btw Mito&Tokai, 200(195 for IC card) btw Katsuta&Tokai.

How to purchase/use/refund IC card (SUICA).

By car: Since parking at IVIL is limited, to use temporary large parking space, 5min walk to IVIL, is recommended.

Please note, that the entrance of the venue opens exactly on 09:00 (and closes on 21:00). The registration desk will be opened on 18th/20th for NBI/RaDIATE guests, respectively. Please visit R101 at ground floor. All sessions are to be organized at a multi-purpose hall in the same floor.

There are a number of local lunch options near the venue, including a shopping center (AEON).

Lunch options around the venue

Daily Schedule

September 18: The workshop will be started with NBI specific sessions. Registration desk will be opened on 09:00a.m. (exact) at IVIL. Participants are invited to a welcome reception in the late afternoon.

September 19: NBI specific sessions will continue. A keynote lecture to celebrate NuMI 700kW operation by Dr. James Hylan (Fermilab) will be in the late afternoon, after a wine&cheese break.

September 20: Registration desk for RaDIATE participants will be opened in the morning at IVIL in parallel to a NBI session. In the afternoon, both NBI and RaDIATE participants are invited to a tour to J-PARC facilities and Reactor Fuel Examination Facility (RFEF) at JAEA. A banquet is scheduled in the evening, after a brief sightseeing at O-arai, Pacific Ocean seashore.

September 21: Sessions common to NBI and RaDIATE will be organized, where target facilities, target and beam windows, results and novel techniques of Post Irradiation Examination (PIE) will be discussed. After the NBI wrap-up in the late afternoon, RaDIATE specific sessions will be continued.

September 22: Sessions for RaDIATE participants will be organized, including status and plans for the undergoing irradiation experiment at BNL-BLIP facility and successive PIEs, thermal shock studies at CERN HiRadMat facility. A room is reserved for NBI-only participants for possible meetings and discussions.

* September 23: An optional one-day tour to Kamioka underground laboratories, Super-Kamiokande and Kamland will be organized. Detail is given in a separate page.

Sessions and Contributions

We anticipate contributions in the following sessions:

NBI specific sessions (Sep.18-20):

Facility Operation Updates & Future Facilities

Beam Interlock System

Primary Beamline & Beam Monitors

Neutrino Flux Prediction & Hadron Production Measurements

Horns

Decay Volume, Beam Dump & Facility Design

Remote Maintenance

Radiation Protection & Waste Treatments

NBI+RaDIATE common sessions (Sep.20-21):

Neutrino Target & Window

Neutron Facilities & HPT Radiation Damage Studies

Nuclear/Rare Process Physics Facilities & HPT Radiation Damage Studies

HPT Radiation Damage Studies, PIE Testing & Techniques

RaDIATE specific sessions (Sep.21-22):

Monte Carlo Codes for Radiation Damage Estimation

Novel Materials for Targetry Application

Low Energy Ion Beam Facilities & PIE Activities in Japan

BLIP Irradiation Experiment Status & Plans

HiRadMat Thermal Shock Experiment Plans

Please contact the NBI Scientific Advisory Committee and/or
RaDIATE representatives if you wish to make a contribution - initial program to be
set in late August.

Program as of September 22 (version 2.5new)