

# International Workshop on future potential of high intensity proton accelerator for particle and nuclear physics (HINT2015)

The international workshop on future potential of high intensity proton accelerator for particle and nuclear physics (HINT2015) will be held at J-PARC, Tokai-Village, Ibaraki, Japan from 13th to 15th October, 2015. This workshop follows the workshop held in December 2012 at J-PARC on “Future direction of Proton Intensity Frontier”; <http://kds.kek.jp/conferenceDisplay.py?confId=11459>

The workshop will focus on future prospects of high intensity proton accelerators and beams toward Multi-MW beam power and, new frontier of particle and nuclear physics enabled by the high intensity beams.

## TOPICS

There will be sessions covering the following topics;

- Present status and future plan of world high intensity proton accelerators
- Technical challenges to realize Multi-MW accelerators
- Technical challenges to realize Multi-MW beam facilities
- Neutrino physics with high intensity beam
- Kaon particle physics with high intensity beam
- Muon particle physics with high intensity beam
- Hypernuclear physics with high intensity beam
- Hadron physics with high intensity beam

## MEETING STRUCTURE

This workshop consists mainly of plenary sessions by invited speakers and one poster session. Also we plan to organize J-PARC site tour during afternoon of October 15. Tentative structure of the workshop is;

- October 13: Registration, Plenary sessions, Poster session
- October 14: Plenary sessions, Workshop diner
- October 15: Plenary sessions, J-PARC site tour (afternoon), Adjourn

## POSTER SESSION

Participants are invited to present posters in fields of research related to the conference topics. Instructions for poster submission will be available later on the workshop website. Since space is limited, poster proposals will be submitted to a selection committee before acceptance. The organizers particularly encourage younger participants to play an active role in the workshop by presenting their work in the poster session. Deadline for the abstract submission is August 13.