Workshop on advanced detector technology for nuclear physics

Organizer
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January 11-12th, 2011, RIKEN

Objectives

The objective of the workshop is both to provide information about developments and projects from both institutes and to initiate discussions or collaborations on a mutual-interest basis.

It would be positive to have more discussion time than speaker's time. So we could work at animating the different sessions so the audience will participate. It is therefore essential for the different speakers to spend time on unsolved issues related to detection and electronics.

- Visit of RIBF
- Agendas for RIKEN PACs, SHOGUN, MINOS, GET and SAMURAI.
- Free discussions
- After hours, we are going to have dinner at the outside rest runt for further commutation. I am expecting 20 people attending.

Program (Schedule will be detertmined soon)

General Overview

9:30 The RIB facility Hiro Sakurai, RIKEN

10:00 Overview of detection systems for experiments at RIKEN. The achievements and challenges.
Taketani, RIKEN

MINOS

10:30 The MINOS project and possible ideas for RIKEN.

Alexandre Obertelli, CEA IRFU/SPhN

11:00 Overview of Micromegas technologies and applications.
Alain Delbart, CEA IRFU/SEDI

11:30 The DALI2 gamma-ray spectrometer
Satoshi Takeuchi, RIKEN

13:30 Shogun Spectrometer
S. Heiko

14:00 Hydrogen targets at RIKEN. Achievements and future developments.
TBA

14:30The ACTAR active target project.
Laurent Nalpas, CEA IRFU/SPhN

Breakl

15:30 Readout for TPCs: the example of the T2K experiment.
Denis Calvet, CEA IRFU/SEDI

16:00 GEM production and applications in Japan
T. Tamagawa RIKEN

16:30 Development of Active Target TPC at CNS
Ohta, CNS

17:30 PPAC and analog signal TX/RX over optical fiber

Fukuda, RIKEN.

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Other detector technologies

09:00 PHENIX VTX Tracker M. Kurosawa

09:30 SOI detector by Y. Arai KEK

10:00 Wide dynamic range Si detector by Meiko Kurokawa

10:30 Diamond detector

Michimasa CNS

General Electronics for TPC

11:00 Overview of Samurai Project
TBA

11:30 SAMURAI TPC

T. Isobe RIKEN

13:00 TPC PAD simulation for wide dynamic range application

K. Fujiwara TRI

13:30 Acquisition system at Big RIPS. Its achievements and extensions.
Hideaki Baba

14:00 Overview of the front-end electronics at CEA IRFU.
Towards a FEE for nuclear physics – the challenges for the future.
Eric Delagnes, CEA IRFU/SEDI

14:30 The GET objective and its possible applications to different projects at RIKEN.
Emanuel Pollacco, CEA IRFU/SPhN

Break

15:30 Data Acquisition and Real-Time systems for nuclear physics.
Nuclear and Particle Physics systems: possible inter-interests, generic Soft & Firmware.
Shebli Anvar, CEA IRFU/SEDI

Discussion

16:00 Platform for international exchange through IRFU (students / staff / engineers)
Laurent Nalpas, CEA IRFU/SPhN

16:30 Patform for international exchanges through RIKEN (students / staff / engineers)
TBA RIKEN

17:00 End of workshop