

Physics and ND&flux session: Introduction

Masashi Yokoyama

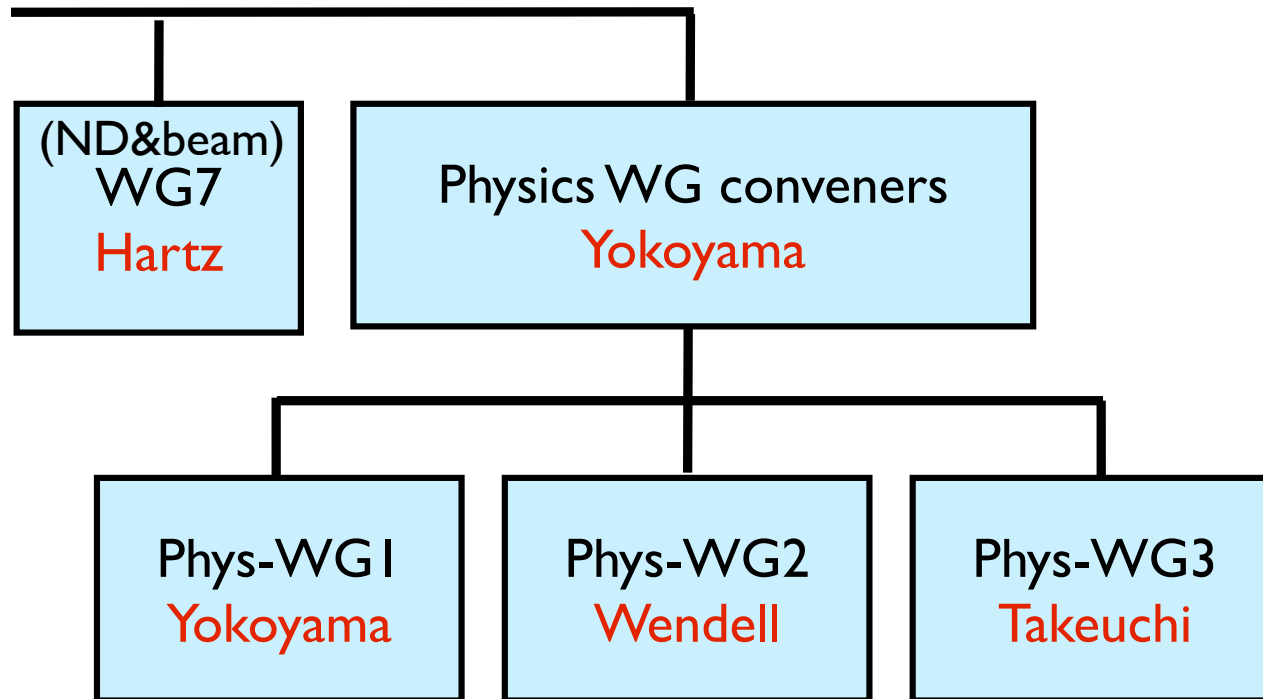
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(HK Physics Coordinator)

Physics WG and ND WG



Phys-WG1: Accelerator
Phys-WG2: Atm ν +Nucleon decays
Phys-WG3: Astroparticle Physics (SN, solar ν , etc)

- Three physics sub-WGs
- Long baseline physics and ND/beam closely related
- Mailing list for each group exists
- Contact conveners if you want to join

Agenda

Physics Potential and Near Detectors (10:45-11:45)

time	[id] title	presenter
10:45	[35] Introduction	Prof. YOKOYAMA, Masashi
10:55	[26] Sensitivity studies for Tokai to Hyper Kamiokande	Dr. BRONNER, Christophe Ms. CREMONESI, Linda
11:25	[27] HyperK sensitivity study using the VALOR T2K joint 3-flavour analysis	Mr. RAJ, Shah

Long baseline

Physics Potential and Near Detectors (13:05-14:40)

time	[id] title	presenter
13:05	[20] Flux Extrapolation Uncertainties from Tokai to Hyper-K	Prof. HARTZ, Mark
13:25	[6] A New Near Detector at Intermediate Disastance for Hyper-Kamiokande	Prof. DI LODOVICO, Francesca
13:45	[30] The nuPRISM Near Detector: Constraining Neutrino Energy Using Multiple Off-Axis Angles	Dr. WILKING, Michael
14:05	[7] Lol to J-PARC PAC	YOKOYAMA, Masashi
14:20	[18] The DAEALUS at Hyper-K Experiment: Searching for CP Violation	Prof. SHAEVITZ, Michael

ND
&
Flux

New idea

Physics Potential and Near Detectors (15:05-15:50)

time	[id] title	presenter
15:05	[2] Supernova Relic Neutrino search with Hyper-Kamiokande	Dr. YANO, Takatomi

Astro

(one talk was cancelled)

Long baseline physics related

- Systematics and sensitivity study continued
 - Update for J-PARC Lol
 - Coupled to requirements/design of Near Detectors
 - Two talks on the sensitivity studies (based on T2K tools), three on flux and ND
- One talk on flux systematics, two talks on ND
- One talk on DAEdALUS
- In future, more topics (other than *CP*? New ideas?) are welcome!

Astrophysics

- One talk to cover
 - Muon flux estimate at Mozumi-site to evaluate spallation BG
 - SRN search capability with HK

Let's enjoy
physics
together!