

**NBI2010: The 7<sup>th</sup> International Workshop on  
Neutrino Beams and Instrumentation**

# **NBI2010**

## **The 7<sup>th</sup> International Workshop on Neutrino Beams and Instrumentation**

August 28(Sat.) ~ August 31(Tues.), 2010

J-PARC, Tokai, Japan

### **Program**

**(Ver.2.6:100830)**

Changes from Ver.2.3 (distributed version) are shown by **red letters**

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## Time Table

	Aug.28 (Sat.)	Aug.29 (Sun.)	Aug.30 (Mon.)	Aug.31 (Tue.)	
8:30		NBI Registration			8:30
9:00		[INSS+NBI]: Project Overview	[INSS+NBI] Horn; Target Station; Remote Maintenance	[INSS+NBI] Flux Measurement & MC	9:00
10:00					10:00
11:00	NBI Registration	[INSS+NBI] Project Overview	[INSS] (Lec.24) SuperLBL	[INSS] Concluding Remark	Flux and Monitors
12:00			Horn		12:00
13:00		[INSS+NBI] Target	[INSS] (Lec.25) factories	[INSS+NBI] Farewell Lunch	
14:00	Visit JPARC Open House			Horn; Remote Handling	
15:00		[INSS] (Lec.20) (Lec.21) Detector1	[INSS] (Lec.26) (Lec.27) Beta Beams		Expert tour for T2K facility
16:00		[INSS] (Lec.22) (Lec.23) Detector2		Future Projects	
17:00	NBI Registration	Radiation	[INSS] Q&A	(reserved)	(reserved)
18:00		[INSS] Q&A	(reserved)		
19:00			[INSS] Poster Session	NBI Workshop Dinner	
					Update: 2010/8/23

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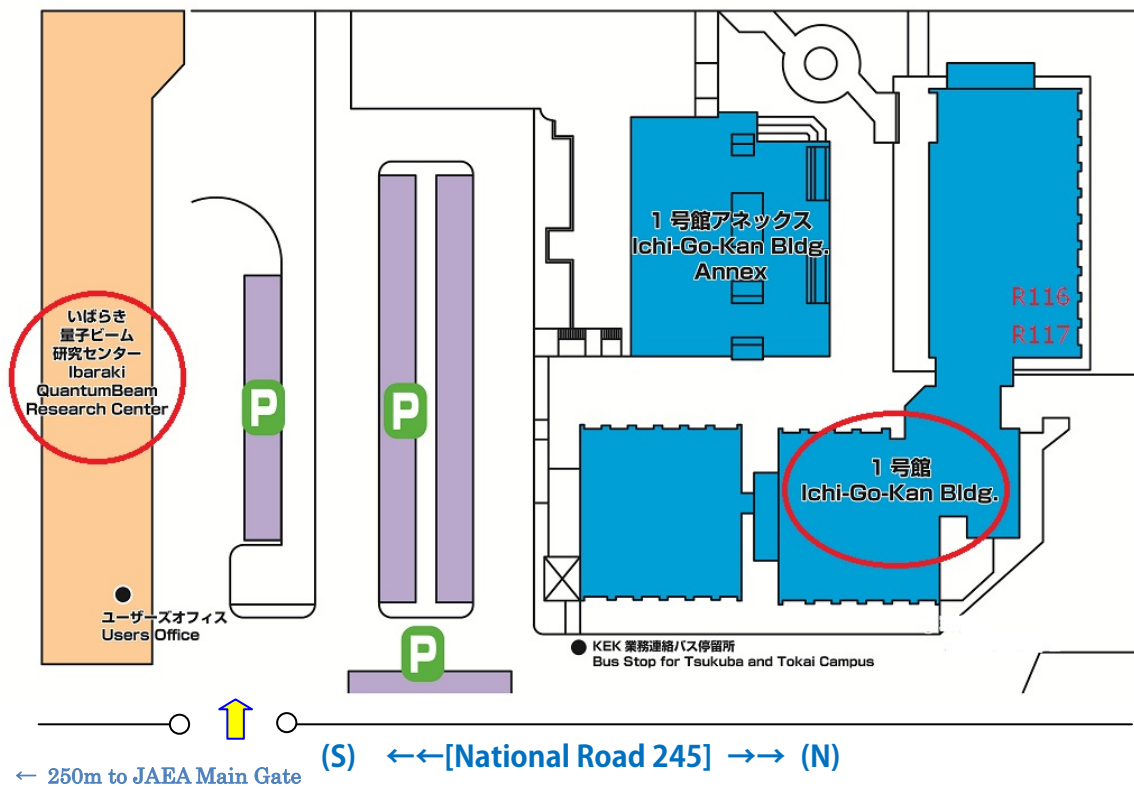
## August 28(Sat.), 2010

Tokai Ichi-Go-Kan Bldg. (north next bldg. to IQBRC) 1F-117

10:30~	Registration desk to be opened
11:00	Courtesy cars (Chisun-Inn ⇒ IQBRC) departure
12:00	Lunch
13:00~16:00	Visit J-PARC Open House
16:00~16:30	Registration
17:00	Bus (Tokai 1go-kan) ⇒ Chisun-Inn) departure

※ For both lunchbox /tour, booking through the pre-registration page is needed .

[ Building Map of IQBRC & KEK Tokai Campus ]



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## August 29(Sun.), 2010

### IQBRC 2F B-201+202

8:10		Bus (Chisun-Inn ⇒ IQBRC) departure	
8:30~		Registration (2F A-204)	
<b>● Project Overview [Joint Session to the Summer School] ●</b>			
8:50	(10)	Introduction to Tokai sessions	Y. Fujii (KEK)
9:00	(30+10)	NuMI+NOvA overview and status	S. Childress (FNAL)
9:40	(30+10)	Overview of T2K facility	H.Kakuno (U.Tokyo)
10:20		~ Coffee Break ~	
10:40	(25+5)	CNGS operational performance	E.Gschwendtner (CERN)
11:10	(20+5)	Overview of MiniBoone	R.Stefanski (FNAL)
11:35~13:00		~ Lunch(2F A-204) ~	
※ For lunchbox, booking through the pre-registration page is needed.			
<b>● Target [Joint Session to SS] ●</b>			
13:00	(25+5)	Introduction to the targetry	T.Nakadaira (KEK)
13:30	(25+5)	NuMI target experience and NOvA/LBNE target design	J.Hylen (FNAL)
14:00		~ Coffee Break ~	

### IQBRC 1F B-101

<b>● Target / Beam Window ●</b>			
14:20	(20)	Target R&D at FNAL	P.Hurh (FNAL)
14:40	(20)	T2K beam window and second target	C.Densham (STFC RAL)
15:00	(15)	Fluidised target	C.Densham (STFC RAL)
15:15	(20)	MiniBoone long operation	R.Stefanski(FNAL)
15:35		~ Coffee Break ~	
<b>● Radiation Protection / Waste Treatment ●</b>			
15:55	(25)	CNGS operation	I.Efthymiopoulos(CERN)
16:20	(20)	NuMI Tritium	J.Hylen (FNAL)
16:40	(20)	Radiation protection at CNGS	H.Vincke (CERN)
17:00	(25)	T2K Beam Dump and Decay Volume	T.Ishida (KEK)
17:25		~ Coffee Break ~	
<b>● Reserved for talks/discussion ●</b>			
17:45~18:45(60)			
19:00		Bus (IQBRC ⇒ Chisun-Inn) departure	

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## August 30(Mon.), 2010

### IQBRC 2F B-201+202

8:30 Bus (Chisun-Inn ⇒ IQBRC) departure

● Horn, Target Station, Remote Maintenance [Joint Session to SS] ●

9:10	(20+5)	Horn overview	E.Zimmerman (U.Colorado)
9:35	(15+5)	Horn: Technical challenges	L. Bartoszek (Bartoszek Eng.)
9:55	(25+5)	Introduction to the secondary beam-line	Y.Yamada (KEK)
10:25	(20+5)	Remote handling system at TRIUMF/T2K	C.Mark (TRIUMF)
10:50		~ Coffee Break ~	

### IQBRC 1F B-101

● Horn ●

11:10	(25)	NuMI/NOvA/LBNE horns	J.Hylen (FNAL)
11:35	(25)	T2K horn	T.Sekiguchi (KEK)
12:00	(20)	T2K horn construction at Colorado	E.Zimmerman (U.Colorado)
12:20		~ Lunch (2F A-204) ~	

※ For lunchbox, booking through the pre-registration page is needed.

● Horn, Remote Handling ●

13:30	(25)	Horn Repair / Improvement at CNGS	A.Pardons (CERN)
13:55	(15)	T2K target remote handling	C.Densham (STFC RAL)
14:10	(20)	T2K remote system	M.Tada (KEK)
14:30	(20)	T2K radiation shield and waste	Y.Oyama (KEK)
14:50		~ Coffee Break ~	

● Future Projects ●

15:10	(20)	Short baseline neutrino beam at CERN-PS	R.Steerenberg (CERN)
15:30	(25)	LBNE project overview and status	R.Zwaska(FNAL)
15:55	(25)	LBNE <b>TS/DV/BD</b>	<b>R.Schultz</b> (FNAL)
16:20	(20)	LBNE <b>remote system</b>	<b>P.Hurh</b> (FNAL)
16:40~18:20	(100)	(Reserved)	

### IQBRC 1F

18:30 **Courtesy cars (IQBRC ⇒ Syusenbou) departure**

19:00~ ○○ **Workshop Dinner** ○○

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## August 31 (Tues.), 2010

### IQBRC 2F B-201+202

8:20 Bus (Chisun-Inn ⇒ IQBRC) departure

● Flux Measurement and Monte Carlo [Joint Session to SS] ●

9:00 (35+5) Neutrino Flux L.Loiacono (U.Texas Austin)

9:40 (15+5) Flux measurement M.Yokoyama (U.Tokyo)

10:00 ~ Coffee Break ~

### IQBRC 1F B-101

● Flux and Monitors ●

10:20 (20) T2K Proton beam monitors M.Shibata (KEK)

10:40 (15) T2K OTR A.Marino (U.Colorado)

10:55 (20) Measurement at FNAL L.Loiacono (U.Texas Austin)

11:15 (15) T2K Muon monitor K.Suzuki (U.Kyoto)

11:30 (15) CNGS Monitoring E.Gschwendtner (CERN)

### IQBRC 2F A-204

12:00~13:30 ○○ Farewell Lunch ○○

13:30~16:00 Expert tour for T2K facility

- ※ Bus to Narita airport will leave Tokai JR station east exit at 15:41,  
Airport Terminal 2 18:23 / Terminal1 18:28
- ※ Train to Ueno station will leave Tokai station at 17:00  
17:00 Tokai **-(local)-** 17:09 Katsuta 17:20 **-(Super-Hitachi 50)-** 18:35 Ueno

### IQBRC 1F B-101

● Reserved for talks/discussion ●

● Adjourn ●