

Previous Workshops

Previous Workshops — 1

An International Workshop on a Far Detector in Korea for the J-PARC Neutrino Beam

November 18–19, 2005

International Conference Hall, Korea Institute for Advanced Study, Korea

PROGRAM

Nov. 18, 2005

9:00– 9:30	Registration	
9:30– 9:45	Welcoming address	
9:45–10:25	Overview of neutrino physics and cosmology	C. W. Kim
10:30–11:10	Neutrino masses and leptogenesis	S. K. Kang
11:15–11:45	<i>Coffee break</i>	
11:45–12:25	Current and future Long baseline neutrino experiments	S. B. Kim
12:30–14:00	<i>Lunch</i>	
14:00–14:40	T2K phase-I and phase-II	K. K. Joo
14:45–15:10	J-PARC construction status and future possible upgrade plan of neutrino beam	K. Nishikawa
15:15–15:40	<i>Coffee break</i>	
15:40–16:10	Kamioka-Korea two detector complex; Its power and ideas behind	H. Minakata
16:15–16:45	Resolving the neutrino parameter degeneracies	N. Okamura
16:50–17:10	Study of possible physics with a far detector in Korea	E. J. Jeon
17:15–17:45	Other physics with a large water Cherenkov detector	T. Kajita
17:50–18:10	Depth requirements	H. Sobel

Nov. 19, 2005

9:00– 9:30	Candidate detector site in Japan	K. Nakamura
9:35–10:05	Possible detector site(s) in Korea	D. C. Son
10:10–10:40	<i>Coffee break</i>	
10:40–11:05	Liquid Ar detector	A. Rubbia
11:10–11:35	Plastic scintillation detector	D. Kim
11:40–13:00	<i>Lunch</i>	
13:00–13:25	Performance of a water Cherenkov detector for ν_e appearance	S. Nakayama
13:30–13:55	Photo-detector R&D	H. Aihara
14:00–14:15	Toward the next stage	E. J. Chun
14:15–14:30	Discussion for the future plan	all

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2nd International Workshop on a Far Detector in Korea for the J-PARC Neutrino Beam

July 13–14, 2006

International Conference Hall, Seoul National University, Korea

PROGRAM

July 13, 2006 _____

8:30– 9:00	Registration	
9:00– 9:10	Welcoming address	
9:10– 9:50	Future direction in neutrino physics	C. W. Kim
9:55–10:25	CP violation and mass hierarchy in neutrino sector	S. K. Kang
10:30–10:50	<i>Coffee break</i>	
10:50–11:20	Unitarity of the lepton mixing matrix	B. Gavela
11:25–11:55	8-fold degeneracy in future neutrino oscillation experiments	H. Minakata
12:00–13:30	<i>Lunch</i>	
13:30–14:10	Status of Nova and the other US activities	M. Messier
14:15–14:35	Expected profile of J-PARC neutrino beam	A. Mereaglia
14:40–15:00	T2KK sensitivity as a function of L and Dm^2	K. Okumura
15:05–15:35	<i>Coffee break</i>	
15:35–16:10	T2KK sensitivity as a function of off-axis angle	F. Dufour
16:15–16:50	Sensitivity of a Liquid Argon detector for the J-PARC neutrino beam	A. Rubbia
16:55–17:15	CP phase and mass hierarchy	K. Senda

July 14, 2006

9:00– 9:25	Will T2KK see new physics?	H. Sugiyama
9:30– 9:55	Recent work	S. Nakayama
10:00–10:25	A full analysis including matter effects for T2KK	Y. Y. Kuem (cancel)
10:30–11:00	<i>Coffee break</i>	
11:00–11:20	Neutrino decoherence	P. Ko
11:25–11:45	Octant degeneracy with neutrino oscillation experiments	N. Okamura
11:50–12:10	Ordinary and radiative muon capture on a proton in chiral perturbation theory	S. Ando
12:15–13:30	<i>Lunch</i>	
13:30–14:00	R&D of a photo sensitive device	H. Aihara
14:05–14:20	Overview of geological situation for a possible T2KK detector site	C. Ryu
14:25 –14:40	Signal and background separation with 20 and 40% photo coverage of a large Cherenkov detector	F. Dufour
14:45–15:15	Discussion for the future plan	

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