

Frontiers of liquid Scintillator Technology (FroST)

DAY ONE

Topic

Introductory talks

8:45	9:00	Welcome	Nigel Lockyer
9:00	9:30	Overview talk	TBC

Physics topics

Impact of and requirements for LS measurement

9:30	10:00	Mass hierarchy and CP violation	Elizabeth Worcester
10:00	10:30	Neutrinoless DBD	Mark Chen
10:30	10:45	Normal Hierarchy overview	Steve Biller
10:45	11:15	Coffee	
11:15	11:45	Solar neutrinos	Michael Smy
11:45	12:15	Supernova	Mark Vagins
12:15	12:45	DSNB	Michael Wurm
12:45	14:00	Lunch (& discussion)	
14:00	14:30	Proton decay	Bob Svoboda
14:30	15:00	Geoneutrinos	Giorgio Gratta
15:00	15:30	Sterile neutrinos	Jonathan Link
15:30	16:00	Coffee	

Experiment overviews Status, sensitivity, future goals

16:00	16:30	KamLAND & KamLAND-Zen	Itari Shimizu
16:30	17:00	Borexino	Marco Pallavicini
17:00	17:30	SNO+	Szymon Manecki

DAY TWO

9:00	9:30	JUNO	Tao Hu
9:30	10:00	Daya Bay / RENO / Double Chooz	Soo Bong Kim
10:00	10:30	Short baseline reactor projects	Karsten Heeger
10:30	11:00	Coffee	
11:00	11:30	LENA	Timo Enqvist
11:30	12:00	THEIA	TBC

12:00	12:30	SuperK	Akira Konaka
12:30	2:00	Lunch	
2:00	2:30	ANNIE	Matthew Malek
Technology			
2:30	3:00	LS and WbLS technology, optics	Minfang Yeh
3:00	3:20	WbLS Performance	Lindsey Bignell
3:20	3:40	Loading techniques	Minfang Yeh
3:40	4:15	Coffee	
4:15	4:45	Purification and low background	TBC
4:45	5:05	Addressing spallation backgrounds	Shirley Li

DAY THREE

Technology cont.

		R&D Experience for KamLAND 3 kton Liquid	
9:00	9:30	Scintillator Detector	Fumi Suekane
9:30	10:00	Containment technology	Frank Calaprice
		LAND Photo-detection Systems for High Precision	
10:00	10:30	Calorimetry	Anatael Cabrera
10:30	11:00	Coffee	
11:00	11:20	Hamamatsu new developments	Yuji Hotta
11:20	11:50	LAPPDs and alternative photon detection methods	Matthew Wetstein
11:50	12:10	Using fast timing in event reconstruction	Michi Sakai
12:30	1:30	Lunch & discussion	

International Perspective and Prospects

		Panel discussion on physics priorities, international perspectives and path forwards	
1:30	3:00		Moderator: Josh Klein