



Reactor Antineutrino Spectrum and Anomaly Measurements: U.S. Planning Meeting

Day 1: December 11, 2012
Building 123

8:00 a.m.	Badging/Setup	All
9:00 a.m.	Welcome to LLNL and Introduction	A. Bernstein
	Physics Overview	
9:10 a.m.	Potential Impact of New Measurements on Reactor Spectrum and Flux Predictions	P. Huber
9:35 a.m.	Potential Impact of New Measurements and Applied Neutrino Physics Goals	N. Bowden
10:00 a.m.	International context and experimental requirements for a definitive short-baseline reactor experiment	K. Heeger
10:25 a.m.	Break	
	Potential Reactor Sites	
10:45 a.m.	Advanced Test Reactor: Site and Core Characteristics	S. Morrell
11:05 a.m.	High Flux Isotope Reactor: Site and Core Characteristics	C. Bryan
11:25 a.m.	NIST: Site and Core Characteristics	P. Mumm
11:45 a.m.	<i>Questions & discussion</i>	
12:00 p.m.	Lunch Break	
1:00 p.m.	SONGS: Site and Core Characteristics	N. Bowden
	Detection Materials	
1:15 p.m.	Scintillator Development at BNL	M. Yeh
1:35 p.m.	Scintillator Development at NIST	P. Mumm
1:55 p.m.	Scintillator Development at LLNL	A. Glenn
2:15	<i>Questions & discussion</i>	
2:45 p.m.	Break	
	Detector Concepts	
3:15 p.m.	Homogenous Scintillator	T. Classen
3:35 p.m.	Segmented Scintillator	K. Heeger/ B. Littlejohn
3:55	Shielding estimates and simulations	P. Mumm
4:15 p.m.	Summary Discussion	All
5:00 p.m.	<i>Adjourn</i>	



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Day 2: December 12, 2012
Building 123

	Sensitivity Calculations	
8.30 a.m.	UC/UW	B. Littlejohn
8.50 a.m.	LLNL	N. Bowden
9:10 a.m.	Spent nuclear fuel near research reactors	-
	R&D	
9:30 a.m.	R&D plans - LLNL	N. Bowden
9:50 a.m.	R&D plans – UW	K. Heeger
10:10 a.m.	Break	
10:30 a.m.	R&D plans - NIST	P. Mumm
10:50 a.m.	R&D plans - UNC	R. Henning
11.10 a.m.	<i>Questions & discussion</i>	
12:00 p.m.	Lunch Break	
	Discussions	
1:00	Discussion Goals	Bowden/Heeger
1:10 p.m.	Reactor site discussion	All
2:00 pm	Detector discussion	All
3:00 p.m.	R&D needs, plans for 2013, and next steps	All
4:00 p.m.	Break	
4:30 p.m.	Meeting Summary	N. Bowden
5:00 p.m.	<i>Adjourn</i>	