Applied Antineutrino Physics Workshop

Preliminary Agenda

Sunday   **September 24, 2006**
Larkspur Landing Hotel • 5535 Johnson Drive • Pleasanton, CA (Phone 925-463-1212)

Workshop Commencement

5:00 p.m.	Registration in Meadowlark Meeting Room	All
6:00 p.m.	Introductions	All
7:00 p.m.	Workshop Agenda Overview and Informal Antineutrino Discussions	A. Bernstein, LLNL
9:00 p.m.	Adjourn Day 1	

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Monday   September 25, 2006
Wente Vineyards • Charles Wetmore Rm, 5050 Arroyo Road • Livermore, CA (Phone 925-456-2475)

8:00 a.m.	Shuttle to Wente Vineyards (meet in Larkspur Landing hotel lobby)	
8:30 a.m.	Continental Breakfast	

Introduction to Safeguards and Cooperative Monitoring, Session 1-1

9:00 a.m.	Welcome	NHI Associate Director
9:20 a.m.	Opening Remarks	A. Bernstein, LLNL
9:45 a.m.	Current IAEA Safeguards Overview	IAEA representative
10:45 a.m.	Break	
11:00 a.m.	Other Reactor Safeguards Regimes	B. Boyer, LANL
11:30 a.m.	Current International Cooperative Monitoring Techniques for Reactors	G. Baldwin, SNL
12:00 p.m.	Working Lunch—Roundtable Discussions	

Current and Planned Cooperative Monitoring Efforts, Session 1-2

1:15 p.m.	Antineutrino Detector Development for Safeguards in Russia	M. Skhorokatov, I. Kurchatov
1:35 p.m.	Antineutrino Detector Development for Safeguards at SNL/LLNL	N. Bowden, SNL
1:55 p.m.	Antineutrino Detector Overview of Safeguards Work in the Double Chooz Collaboration	M. Cribier, Saclay/DAPNIS
2:15 p.m.	DAPNIS Safeguards Detector Concept	T. LaSerre/DAPNIS
2:35 p.m.	ANL Safeguards Detector Concepts	D. Reyna/ANL
2:55 p.m.	Angra Safeguards Detector	J. Anjos, CBPF, Brazil
3:15 p.m.	Break	

Technology Development for Near Field Monitoring, Session 1-3

3:50 p.m.	Coherent Scatter Detection	J. Collar, U of Chicago
4:10 p.m.	ILL Experiments for Improved Spectra	M. Fallot, Saclay/DAPNIS
4:30 p.m.	Alternative Designs for Inverse Beta Detection	J. Lund, SNL
6:00 p.m.	Working Dinner at Wente	Key Note Speaker TBD
7:30 p.m.	Antineutrino Discussions	All
9:00 p.m.	Adjourn Monday's Session	

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Tuesday   September 26, 2006
Wente Vineyards • Charles Wetmore Rm, 5050 Arroyo Road • Livermore, CA (Phone 925-456-2475)

8:00 a.m.	Shuttle to Wente Vineyards (meet in Larkspur Landing hotel lobby)	
8:30 a.m.	Continental Breakfast	

Integration of Antineutrino Detectors into Nonprolifieration Regimes, Session 2-1

9:00 a.m.	Cost Benefit Studies for IAEA Safeguards	H. Elayat, LLNL
9:45 a.m.	Systems Study for Long Range Detection	G. Gullian, UH
10:30 a.m.	Break	

Far Field Detection Experiments, Session 2-2

10:45 a.m.	KamLAND and KASKA Experiments	F. Suekane, Tohoku U
11:20 a.m.	LENA Experiment	F. von Feilitzsch, TUM
11:55 a.m.	HANO HANO Experiment	J. Learned, UH
12:30 p.m.	Working Lunch—Roundtable Discussions	

Technology Development for Far Field Detection, Session 2-3

1:45 p.m.	Photodetection	D. Ferenc, UC Davis, and Industry Representative To Be Announced
2:15 p.m.	Water-based Antineutrino Detection	M. Vagins, UCI
2:45 p.m.	Break	

Applications of Neutrino Detection Technology to Other Nonproliferation Problems and Other Fields, Session 2-4

3:05 p.m.	Overview of Physics Impact of Applied Antineutrino Detector Development	G. Gratta, Stanford U.
3:35 p.m.	Overview of Other Nonproliferation Impacts of Antineutrino Detector Development	A. Bernstein, LLNL
4:00 p.m.	White Paper Definition and Assignments	All
5:00 p.m.	Adjourn	