

Program of B-L Workshop at LBL September 20-22, 2007				
			9/19/2007	
Thursday September 20				
Start	Speaker	Affiliation	Talk Title	Talk time
8:00 - 9:00			Registration, coffee	
9:00 - 9:30			Session #0 Introduction 30 min	
	Welcome			
9:00	Kevin Lesko	LBL	Welcome to LBL	5
9:05	Rabindra Mohapatra	UMD	Scope of the Conference	15
9:20	Yuri Kamyshev	UT	Organizational questions	10
9:30 - 10:10	Chair: Bob Cahn	LBL	Session #1, Contribution Talks 40 min	
	Introduction			
9:30	Lincoln Wolfenstein	CMU	Baryon and Lepton Number Overview	20
9:50	Kevin Lesko	LBL	Deep Underground Science and Engineering Laboratory	20
10:10 - 10:30			Coffee Break 20'	
10:30 - 12:30	Chair: Boris Kayser	FNAL	Session #2, Contribution Talks 120 min	
	Baryon number violation			
10:30	Rabindra Mohapatra	UMD	Probing B-L Violation via N-Nbar Oscillation	20
10:50	Gregory Gabadadze	NYU	Non-Conservation of Global Charge in Braneworlds	20
11:10	Robert Shrock	SUNY SB	From Six-Quark Operators to n-nbar Transitions	20
11:30	Jogesh Pati	SLAC	Proton Decay: The Missing Link	20
11:50	Bhaskar Dutta	Texas A&M	Neutrino masses and proton decay in SO(10)	20
12:30 - 14:00			Lunch 90'	
14:00 - 16:00	Chair: Giorgio Gratta	Stanford U	Session #3, Contribution Talks 120 min	
	Baryon number violation search			
14:00	Masato Shiozawa	Tokyo	Nucleon decay searches in Super-K	20
14:20	Pran Nath	NEU	proton decay in SUSY GUTs	20
14:40	Ken Ganezer	CSUDH	The Search for NNbar Oscillations at Super-Kamiokande I	20
15:00	Yuri Kamyshev	UT	Search for B-L violation with neutrons at DUSEL	20
15:20	W.Mike Snow	Indiana U	Neutron-Antineutron Oscillations With Cold Neutron Beams	20
16:00 - 16:20			Coffee Break 20'	
16:20 - 18:30	Chair: Kevin Lesko	LBL	Session #4, Contribution Talks 130 min	
	Baryon number violation search			
16:20	Milind Diwan	BNL	Large Underground Detectors at DUSEL	20
16:40	Chiaki Yanagisawa	SUNY SB	Physics Potential of UNO and Status Update	20
17:00	Marc Bergevin	U. of Guelph&LBL	Nucleon Disappearance via "Invisible" Modes in SNO	15
17:15	Alexandre Kozlov	Tohoku U.	Neutron Disappearance in KamLAND	20
17:35	Vladimir Tretyak	Kiev	Search for Baryon and charge violations with nuclei	20
17:55	Marc Bergevin	U. of Guelph&LBL	Neutron-Antineutron Oscillation in SNO	15
19:00			Reception 90 min	

			9/19/2007	
Friday September 21				Talk time
Start	Speaker	Affiliation	Tentative talk title	
8:00 - 9:00	Chair: Martin Einhorn	UCSB	Session #5, Contribution Talks 60 min	
	Grand Unification			
8:00	Stuart Raby	OSU	Unification and B-L in String Theory	20
8:20	Takeshi Fukuyama	Ritsumeikan U.	SO(10) and Proton Decay	20
8:40	Sören Wiesenfeldt	UIUC	Neutrino Masses and Proton Decay in Minimal Trinification	20
9:00 - 10:00	Chair: Fred Cooper	NSF	Session #6, Contribution Talks 60 min	
	Lepton Number Violation			
9:00	Boris Kayser	FNAL	Neutrinoless double beta decay and neutrino mass	20
9:20	Serguey Petcov	SISSA, Trieste	Neutrino Mass	20
9:40	Martin Hirsch	Valencia U.	Heavy particle contributions to double beta decay	20
10:00 - 10:20			Coffee Break 20'	
10:20 - 11:20	Chair: William Louis	LANL	Session #7, Contribution Talks 60 min	
	Lepton flavor violation			
10:40	Kazuhiro Tobe	Tohoku U.	Lepton flavor violation in new physics models	20
11:00	Vladimir Savinov	U of Pittsburgh	LFV in decays of Upsilon mesons in CLEO	20
11:20 - 12:30	Chair: Alexander Kusenko	UCLA	Session #8, Contribution Talks 70 min	
	Baryogenesis and Leptogenesis			
11:20	Alexander Dolgov	Ferrara, ITEP	B and L violation and baryogenesis	20
11:40	Pasquale di Bari	Munich, MPI	Recent Developments in Leptogenesis	20
12:00	Kaladi Babu	OSU	Post-Sphaleron Baryogenesis	20
12:30 - 14:00			Lunch 90'	
14:00 - 14:50	Chair: Robert Shrock	SUNY SB	Session #9, Contribution Talks 50 min	
	New Gravity experiments			
14:00	Asimina Arvanitaki	Stanford U	Physics with Cold Atoms	20
14:20	Mark Kasevich	Stanford U	Atomic Interferometry for gravity wave detection	20
14:50 - 16:00	Chair: Alexander Dolgov	Ferrara	Session #10, Contribution Talks 70 min	
	Sterile Neutrinos, Mirror Matter, Relic Neutrinos			
14:50	Alexander Kusenko	UCLA	Lepton Number Violation and Dark Matter	20
15:10	Marco Laveder	Padova	sterile neutrinos as mirror matter	20
15:30	P.Q. Hung	Virginia U.	Electroweak scale right-handed neutrinos	20
16:00 - 16:20			Coffee Break 20'	
16:20 - 18:40	Chair: Masato Shiozawa	Tokyo	Session #11, Contribution Talks 140 min	
	Lepton Number Violation Search			
16:20	Bill Louis	LANL	First Neutrino Oscillations Results from MiniBooNE	20
16:40	Steve Elliott	LANL	MAJORANA Status and Overview	20
17:00	Xiang Liu	MPI Munchen	GERDA: GERmanium Detector Array searching for 0-n-beta-beta decay	20
17:20	Matt Green	Stanford U	EXO experiment	20
17:40	Frank Avignone	SC	From CUORICINO to CUORE: To probe the inverted hierarchy	20
18:00	Alexander Barabash	ITEP	Future of NEMO experiment	20
18:20	Huaizhang Deng	U. Penn	Neutrinoless Double Beta Decay in SNO+	20
19:00			Banquet 120 min	

			9/19/2007	
Saturday September 22				Talk time
Start	Speaker	Affiliation	Tentative talk title	
8:00 - 9:20	Chair: Pieter Mumm	NIST	Session #12, Contribution Talks, 80 min	
	Experiments with neutrons			
8:00	Albert Young	NCSU	NNbar search with UCN	20
8:20	Avraham GAL	Hebrew U	Neutron Antineutron Oscillations in Nuclei	20
8:40	Hirohiko Shimizu	KEK	Slow neutron optics for a long distance free flight	20
9:00	Yasuhiro Masuda	KEK	UCN production in He-II for NNbar oscillation experiment	20
9:20 - 11:20	Chair: Dirk Dubbers	Heidelberg	Session #13, Contribution Talks, 120 min	
	Mirror matter search with neutrons			
9:20	Zurab Berezhiani	Ferrara	neutron to mirror neutron transitions	20
9:40	Boris Kerbikov	ITEP	UCN coherency and n->n' oscillations	20
10:00 - 10:20			Coffee Break 20'	
10:20	Ulrich Schmidt	Heidelberg	limit on neutron->mirror neutron transition	20
10:40	Andreas Knecht	PSI, Zürich	A direct exp limit on n-n' transition with UCN	20
11:00	Anatoly Serebrov	PNPI	Present status and future prospects of n->n' search	20
11:20 - 12:30	Chair: Rabi Mohapatra	UMD	Session #14, Contribution Talks, 70 min	
	B-L Violation Search			
11:20	Kam-Biu Luk	UCB	(B-L) violation search in hyperon decays	20
11:40	Sanjay Swain	SLAC	Search for Baryon and Lepton Number violation in BaBar	20
12:00	Toru Iijima	Nagoya U	Search for B, L, and LF violations at Belle and Super-Belle	20
12:30	Bill Molzon	UC Irvine	μ -e conversion	20
12:30 - 14:00			Lunch 90'	
14:00 - 15:00	Chair: Sally Dawson	BNL	Session #15, Contribution Talks, 60 min	
	New Ideas			
14:00	Cosimo Bambi	INFN, Ferrara	Black holes and rare decays in LQG scale models	20
14:20	Jonathan Walsh	U.Washington	B-L and Neutrino Oscillations	20
14:40	Motohiko Yoshimura	Okayama U	Towards ν spectroscopy and measuring relic ν	20
15:00 - 16:30	Chair: Mike Snow	Indiana U	Session #16, Contribution Talks, 90 min	
	New Searches			
15:00	Sally Dawson	BNL	new physics at ILC/LHC	20
15:20	Vladimir Savinov	U of Pittsburgh	search of B and L violation at LHC	20
15:40	Nobuchika Okada	KEK, Tsukuba	Diquark production at LHC	20
16:00	Michele Veltri	U.Urbino, INFN	Testing lepton universality with Kaon decays (NA-48)	20
16:30 - 16:50			Coffee Break 20'	
16:50 - 18:10	Chair: Jim Siegrist	LBL	Session #17, Summary, 80 min	
16:50	G. Gratta	Stanford	Experimental Summary	40
17:30	H. Murayama	LBL	Theoretical Summary	40
			Total time budget, min	1320
			Welcome, min	30
			Summary talks, min	80
			Contribution talks sessions 1-16, min	1210