

Workshop on the Next generation Nucleon decay and Neutrino detector
(NNN99)

23-25 September, 1999 at the SUNY at Stony Brook

Scientific Program

(All events will be held at the Student Activities Center main auditorium unless otherwise noted.)

1 Thursday, 23 September

1.1 Registration and Welcome (Chair: M. Diwan)

8:30-8:40	Welcome/Workshop Organization	C.K.Jung (Stony Brook)
8:40-8:45	Welcoming Remarks	R.McGrath (Acting Provost)
8:45-9:00	Opening Remarks	M.Goldhaber (BNL)

1.2 Neutrino Oscillations I (Chair: H. Sobel)

9:00-9:20	Introduction/Historical Overview	P.Ramond (Florida)
9:25-9:45	Results from Atmospheric Neutrinos	J.Learned (Hawaii)
9:50-10:10	Results from Accelerators	G.Drexlin (Karlsruhe)
10:15-10:35	Results from Reactors	M.Grassi (INFN)
10:40-11:00	Break	

1.3 Neutrino Oscillations II (Chair: K. Nakamura)

11:00-11:20	Results from Solar Neutrinos	J.Bahcall (IAS)
11:25-11:45	Review of SN Measurements and Theory	A.Burrows (Arizona)
11:50-12:10	Phenomenological Overview	P.Langacker (Penn)
12:10-1:50	Lunch	

1.4 Nucleon Decay (Chair: Y. Suzuki)

1:50-2:10	Introduction/Historical Overview	J.Pati (Maryland)
2:15-2:45	Review of Experimental Results	L.Sulak (Boston)
2:50-3:15	Theoretical Motivations for Nucleon Decay	F.Wilczek (IAS)
3:15-3:35	Break	

1.5 Working Groups I (Chair/Moderator: W. Marciano)

3:35-3:45	Synopsis: Nucleon Decay Group	C.K.Jung (Stony Brook)
3:50-4:00	Synopsis: Atmospheric and HE Astrophysical Neutrino Group	D.Casper (UCI)
4:05-4:15	Synopsis: Solar and Supernova Neutrino Group	R.Svoboda (LSU)
4:20-4:30	Synopsis: Accelerator Neutrino Group	M.Diwan (BNL)
4:35-5:30	Discussion: important issues for a Next Generation Experiment	

2 Friday, 24 September

2.1 Future Experiments I (Chair: Anthony Mann)

8:30-8:45 BooNE
8:50-9:10 K2K
9:15-9:30 MINOS
9:35-9:55 ICARUS/NOE
10:00-10:15 OPERA
10:20-10:35 Muon Storage Ring
10:35-10:55 Break

R.Taylor (LANL)
K.Nishikawa (KEK)
M.Goodman (ANL)
A.Rubbia (CERN)
A.Rubbia for P.Migliozzi (Napoli)
R.Palmer (BNL)

2.2 Working Groups II

10:55-12:00 Working sessions (SAC auditorium and Rms 302, 303 & 304)
12:00-1:45 Lunch

2.3 Working Groups III

1:45-3:10 Working sessions (SAC auditorium and Rms 302, 303 & 304)
3:10-3:30 Break
3:30-5:30 Working sessions (SAC auditorium and Rms 302, 303 & 304)

3 Saturday, 25 September

3.1 Future Experiments II (Chair: S. Barr)

8:30-8:45 LENS
8:50-9:05 ANTARES
9:10-9:25 AMANDA
9:30-9:45 KamLAND
9:50-10:10 SNO
10:10-10:30 Break

R.Raghavan (Lucent)
S.Concha (Marseille)
A.Karle (Wisconsin)
L.DeBraekeleer (TUNL)
J.Heise (British Columbia)

3.2 Future Experiments III (Chair: D. Cline)

10:30-10:45 Hellaz
10:50-11:05 Heron
11:10-11:25 Borexino

T.Patzak (Tufts)
R. Lanou, Jr. (Brown)
L.Oberauer (Tech.U.Munich)

3.3 Working Group Reports I

11:30-12:05 Solar and Supernova Neutrino Working Group
12:10-1:45 Lunch

S.Pakvasa (Hawaii)/R.Svoboda (LSU)

3.4 Working Group Reports II (Chair: Al Mann)

1:45-2:20 Atmospheric and HE Astrophysical Neutrino Working Group
2:25-3:00 Accelerator Neutrino Working Group
3:05-3:40 Nucleon Decay Working Group Theory/Exp
3:40-4:00 Break

D.Casper (UCI)
R.Bernstein (FNAL)
W.Marciano (BNL) / Y.Suzuki (ICRR)

3.5 Closing Session (Chair C.K. Jung)

4:00-4:10 View from the DOE
4:10-4:20 View from the NSF
4:20-5:00 Workshop Summary

J.Stone (DOE)
E.Loh (NSF)
H.Sobel (UCI)