

NuFact'11 WG1 Draft program

Sessions 1 and 2 should remain like this. The other sessions are arbitrary and can be exchanged (provided the time remains equal). [TS 06/21]

Session 1: Mon 90 min

Discussion session on “physics motivation for LBL experiments”
lead by S. Pascoli and A. deGouvea
talk by A. Ibarra

Session 2: Tue 120 min

Discussion session on “LBL sensitivity studies and comparisons”
lead by W. Winter:

5 mins: Introduction (WW: assignment, interpretation)
10+5 mins, SB champion (J. Strait)
10+5 mins, BB champion (E. Wildner)
10+5 mins, NF champion (K. Long)
10 mins Comparison of facilities, some provocative questions (WW)
Followed by ~ 30 mins discussion
20 talk+10 mins discussion: Precision required for ν_τ ? (T. Ota)

Session 3: Wed 90 min

Discussion session on “Provide consistent model for NSI at an observable level”
lead by E. Fernandez

overview talk by E. Fernandez
P. Paradisi Non standard Neutrino interactions at one loop
H-S. Lee Long range lepton flavor interactions and neutrino oscillations

Session 4: Wed 120 min

Session on sterile neutrinos:

G. Mention The reactor antineutrino anomaly
SN Gninenko New Muon decay expt. to search for heavy sterile neutrino
Alex Sousa MINOS NC
Francis Halzen Sterile neutrinos in ice
MiniBooNE
A. Bross veryLENF

Session 5: Thu 90 min

experimental session

MINOS nue appearance
T2K nue (?? have many talks scheduled in other WG/Plenary already)
B. Jones Microboone
SuperK update

Session 6: Thu 90 min

joint WG1/WG1 session on detectors

Large H₂O Cherenkov detector technology--LBNE collaborator (emailed J. Napolitano)
LAr det technology (with emphasis on beta beams)--need a speaker
R. Bayes, MIND (invited, but not yet confirmed)
M. Meuther, NOvA detector technology
SuperK+Gadolinium

Session 7: Fri 120 min

P. Hernandez Sterile neutrino models
H. Pas Fourth Generation Majorana Neutrinos
J. Herrero-Garcia Neutrino Masses from new generations
PAN Machado Testing for large extra dimensions with neutrino oscillations
M. Nemevsek Neutrinos and LHC

Session 8: Fri 120 min

H. Minakata TBA
S. Park BB/SB or theta₁₃
J. Lopez-Pavon neutrinoless DBD
P. Coloma LAGUNA-LBNO
D. Meloni Importance of nuclear effects in the measurement of neutrino oscillation parameters
S. Agarwalla Optimization of the Neutrino Factory, revisited

Requested talks:

M. Yoshimura Precision Neutrino Mass Spectroscopy ----> poster or session 7