Precision Time-Structure in On-Axis Neutrino Beams
Saturday Nov. 2 and Sunday morning, Nov. 3, 2019
Fermilab Wilson Hall

Pre-Workshop Friday Wine and Cheese

Friday, Nov. 1, 2019: Fermilab Wilson Hall: Curia II

4:00-5:00 
Joint Experimental-Theoretical Physics Seminar

Precision Time-Structure in On-Axis Neutrino Beams 
Matthew Wetstein

6:00 
Conviviality
User Center

See next 2 pages for the Saturday and Sunday Workshop agenda
WORKSHOP AGENDA (In progress)
Saturday, Nov. 2, 2019: Fermilab Wilson Hall, Curia II

8:00-8:30 Coffee:

8:30 - 8:40 Welcome and Logistics (lunch orders,dinner plans) S. Nagaitsev and M. Wetstein

8:40-12:00 Session 1: Physics with Precision Time Structure Chairs: L. Fields and H. Frisch
8:40-9:05 Expected World Precision on PMNS Physics Parameters 2019-2039 A. de Gouvea
9:40-10:05 Addressing Systematic Uncertainties with DUNE-PRISM M. Wilking

10:10-10:25 Coffee: 1 West

10:25-10:55 First Look at Long-baseline Analysis With Time-Selected Spectra E. Worcester
11:00-11:30 Impact of Stroboscopic Muon Flux TOF Measurements on DUNE Z. Pavlovic
11:35-12:05 New Physics Opportunities P. Machado

12:10- 1:15 Lunch Pre-ordered sandwiches

1:15-3:20 Session 2: Main Injector Beam Dynamics Chairs: V. Lebedev and A. Valishev
1:15-1:45 Main Injector Rebunching Scenarios P. Derwent
1:50-2:15 Considerations on a 530-MHz SRF Cavity S. Belomestnykh
2:20-2:45 Beam Dynamics During Rebunching A. Burov
2:50-3:15 Target and Horn Optimization R. Zwaska

3:20-3:45 Coffee: 1 West

3:45-4:10 Timing in Liquid Argon with Cherenkov Light R. Svoboda
4:15-4:40 Mirrors in LAr detectors M. Wetstein
4:45-5:10 Timing in the DUNE Near Detector T. Junk
5:15-5:40 Timing in Large Liquid Cherenkov/Scintillator Detectors A. Elagin

6:30 Dinner Local Restaurant
8:30-9:00  Coffee

9:00-12:15  **Session 4: Summary and Planning**

9:00-9:30  Post-Workshop Overview of Oscillation Systematics and Challenges  M. Sanchez
9:35-10:05  Thoughts on Accelerator Modifications  M. Convery (TBC)

10:10-10:30  Coffee:  1 West

10:30-11:00  Discussion of Near and Far Detector Timing System Issues  All
11:05-12:15  What If Anything Should Be Done and By Whom; Next Meeting?  Discussion led by Chairs

**End of Workshop: Thanking Staff, and Goodbyes**