

Instrumentation Issues With the Neutrino Source.**IIT Meeting Nov 10-11**

What are the new problems, new technologies or device specific issues?

Items for Study II**Starting point****Experience**

Proton Driver	Roser, Cappi	mature
Short bunch issues		
Losses	Mokhov, Chou	
Halo monitors, halo development	Colestock	
Proton Target		new
Proton, pion beam	FNAL	
MINOS diagnostics	Morfin	
Liquid or liquid cooled target	Reed, Hassanein	
Fast pressure, temp transducers		
Parameter range		
Candidates		
Magnets	Weggel	
Stress, strain, shocks, rad. Damage	Gohar, Zeller	
Parameter ranges		
candidates		
Radiation monitoring		
Decay line		new
Beam polarization in cooling line	Spin Muon Collab	
How ?	g-2	
Bunch rotation	Kirk	?
Beam		
How		
Induction linac	LBL	
Cooling system		new
Beam		
What meas. how, BG, precision etc.	Wang, LeBrun, et al.	
Liquid Hydrogen absorber		
Density /temp profile		
Bolometers	Oreglia	
Multifocus Schlieren, Ronchi		
RF		mature
Cooling Experiment		
Req. measurements	Wang, LeBrun, et. al.	
Problems, backgrounds		
Candidates: SEMs Faraday cup, spect		
Muon Acceleration	Berg, Lebedev	debatable
Storage Ring	Johnstone	debatable
Issues		
Neutrino detectors	Goodman	mature
Beam pos, energy		
R&D Priorities		
Costing Algorithm		