

Workshop Schedule

Sunday 5/2/04

Time

6:00 p.m. **Registration and Social Gathering**

Monday 5/3/04

Time	Session	Speaker
8:00 a.m.	Registration/Coffee	
8:30 a.m.	Welcome Session and Opening	T. Mason (ORNL/SNS)
8:45 a.m.	Overview of the Spallation Neutron Source and its Beam Diagnostic Systems	T. Shea (ORNL/SNS, BIW04 Cochair)
9:45 a.m.	Coffee	
10:15 a.m.	EMI-RFI and Grounding for Beam Diagnostics	M. Thuot (LANL)
11:45 a.m.	Faraday Cup Winner Announcement	TBA
12:00 Noon	Lunch	
1:30 p.m.	Design and Tests of a New Rest Gas Ionization Profile Monitor Installed in the SPS as a Prototype for the LHC	C. Fischer (CERN)
1:50 p.m.	Laser-Compton Scattering as a Tool for Electron Beam Diagnostics	K. Chouffani (IAC)
2:10 p.m.	Sub-Picosecond Electron Bunch Length Measurements at SLAC	P. Krejcik (SLAC)
2:30 p.m.	Measurement of Bunch Length Using Spectral Analysis of Incoherent Radiation Fluctuations	V. Sajaev (ANL)
3:30 p.m.	Coffee	
4:00 p.m.	Discussion Groups, Parallel Sessions, and Small Groups	

Tuesday 5/4/04

Time	Session	Speaker
8:00 a.m.	Coffee	
8:30 a.m.	Interceptive Beam Diagnostics–Signal Creation and Materials Interactions	M. Plum (ORNL/SNS)
10:00 a.m.	Coffee	
10:30 a.m.	Reliability of the Beam Loss Monitor System for the Large Hadron Collider	G. Guaglio (CERN)
10:50 a.m.	Measurement of the Beam Longitudinal Profile in a Storage Ring by Nonlinear Laser Mixing	S. De Santis (LBNL)
11:10 a.m.	Fast Orbit Feedback and Beam Stability at the Swiss Light Source	V. Schlott (PSI)
11:30 a.m.	Energy Spread Monitoring for the JLab Experimental Program: Synchrotron Light Interferometers, Optical Transition Radiation Monitors, and Wire Scanners	A. Freyberger (JLab)
11:50 a.m.	YO!–A Time-of-Arrival Receiver for Removal of Femtosecond Helicity-Correlated Beam Effects	J. Musson (JLab)
12:10 p.m.	BPMs with Precise Alignment for TTF-II	M. Wendt (DESY)
12:30 p.m.	Lunch	
1:30 p.m.	SNS and ORNL Site Tour	Departure from hotel front lobby

Wednesday 5/5/04

Time	Session	Speaker
8:00 a.m.	Coffee	
8:30 a.m.	Instrumentation Systems from an Operations Viewpoint	R. Mau (Fermilab)
9:30 a.m.	Development of Beam Loss Monitors for the CLIC Test Facility 3	T. Lefevre (Northwestern University)
9:50 a.m.	Fermilab Recycler Ring BPM Upgrade Based on Digital Receiver Technology	P. Prieto (Fermilab)
10:10 a.m.	Coffee	
10:30 a.m.	Beam Diagnostics Based on AC Modulation of System Parameters	M. Tienfenback (JLab)
11:30 a.m.	DIAMOND Storage Ring Optical and X-Ray Diagnostics	C. Thomas (DIAMOND)
11:50 a.m.	Development of an Abort Gap Monitor for High-Energy Proton Rings	S. De Santis (LBNL)
12:10 p.m.	Lunch	
1:30 p.m.	Exhibitors and Poster Sessions	
6:00 p.m.	Banquet	Crescent Bend Historic Home 2728 Kingston Pike, Knoxville

Thursday 5/6/04

Time	Session	Speaker
8:00 a.m.	Coffee	
8:30 a.m.	Tutorial on FPGA-Based Instrumentation and Beam Feedback	G. Foster (Fermilab)
10:00 a.m.	Coffee	
10:30 a.m.	Single-Shot Measurement of Femtosecond Electron Bunches at SLAC	A. Cavalieri (SLAC)
11:30 a.m.	Faraday Cup Talk	T. Mitsuhashi
12:30 p.m.	Closing	Tom Shea (ORNL/SNS, BIW04 Cochair)