

Program of ECLLOUD07 ver.2.3 (2007.4.8)

9.Apr

Session A	Summary of related workshops & Observation in existing accelerators	Eun San Kim	KNU
8:30	<u>Welcome</u>	Dongchul Son	KNU
8:45	<u>Goal for the workshop</u>	Kazuhito Ohmi	KEK
9:00-9:30	<u>Summary of the e-p feedback mini-workshop at Indiana University</u>	Robert Macek	LANL
9:30-10:00	<u>Summary of the ECL2 Mini-Workshop (March 1-2, 2007, CERN)</u>	Wolfram Fischer	BNL
10:00-10:30	<u>ep instability observation at SNS</u>	Sarah Cousineau	ORNL
	Break		
11:00-11:30	<u>Electron clouds and specific luminosity measurements at KEKB</u>	John Flanagan	KEK
11:30-12:00	<u>The Electron Cloud Instability Experiment in BEPC and Countermeasures for BEPCII</u>	Yu Dong Liu	IHEP
12:00-12:30	<u>Electron cloud measurements at RHIC</u>	Wolfram Fischer	BNL
	Lunch		
Session B	Observation in existing accelerators	Katherine Harkay	ANL
14:00-14:30	<u>Electron Cloud Measurements at the Fermilab Main Injector</u>	Robert Zwaska	FNAL
14:30-15:00	<u>Coupled bunch instability due to electron cloud at KEKB</u>	Makoto Tobiyama	KEK
15:00-15:30	<u>Measurements of e-clouds with solenoid or quadrupole magnetic transport</u>	Arthur Molvik	LLNL & VNL
	Break		
16:00-16:30	<u>Electron Cloud Generation and Trapping in a Quadrupole Magnet at the LANL PSR</u>	Robert Macek	LANL
16:30-17:00	<u>Influence on the beam heat load on a cold vacuum chamber</u>	Sara Casalbuoni	ANKA
17:00	Discussions		

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Session C	Surface properties, measurements and treatments	Wolfram Fisher	BNL
8:30-9:00	<u>Summary of SEY measurement on flat accelerator material carried out at SLAC</u>	Frederic Le Pimpec	SLAC
9:00-9:30	<u>SEY Measurements at Positron Beam Duct of KEKB and Comparison with Laboratory Experiments</u>	Shigeki Kato	KEK
9:30-10:00	<u>Molecular desorption of stainless steel from high energy Au and Cu ions under perpendicular impact</u>	Wolfram Fischer	BNL
10:00-10:30	<u>ILC Electron Cloud R&D Tests in PEP-II: SEY station and rectangular groove chambers</u>	Mauro Pivi	SLAC
	Break		
11:00-11:30	<u>Measurement of secondary electron yields from bulky and coated materials for beam ducts</u>	Michiru Nishiwaki	KEK
11:30-12:00	Photo session		
	Lunch		
Session D	Electron cloud buildup: theories and simulations, measurements	Miguel Furman	LBNL
14:00-14:30	<u>Absolute Electron Cloud Density Measurement in a Quadrupole Magnetic Transport Section</u>	Michel Kireeff Covo	LBNL
14:30-15:00	<u>Measurement of the Electron Cloud Density at KEKB</u>	Ken-ichi Kanazawa	KEK
15:00-15:30	<u>A 3D tracking algorithm for bunches in beam pipes with elliptical cross-section and a concept for the simulation of the interaction with an e-cloud</u>	Aleksandar Markovik	Rostock
	Break		
16:00-16:30	<u>Studies of the electron-cloud buildup in the FNAL Main Injector upgrade and the LHC complex</u>	Miguel Furman	LBNL
16:30-17:00	<u>Preliminary simulation results of microwave transmission through an electron cloud</u>	Kiran Sonnad	LBNL
17:00-17:30	<u>Current Status of the ORBIT Code</u>	Sarah Cousineau	ORNL
	Discussions		
18:00	Banquet		

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Session E	ILC and future accelerators	Mauro Pivi	SLAC
8:30-9:00	<u>Clearing electrodes and groove tests planned for the ILC DR magnet regions</u>	Mauro Pivi	SLAC
9:00-9:30	<u>Calculations of the Electron Cloud in the ILC Positron Damping Ring Wigglers</u>	Christine Celata	LBNL
9:30-10:00	<u>Status and Plans for Electron Cloud Studies at CESR</u>	Mark Palmer	Cornell
	Break		
10:30-11:00	<u>Coherent single bunch instability measurements at KEKB</u>	John Flanagan	KEK
11:00-11:30	<u>Study of the beam dynamics and instabilities induced by electron cloud effects in the Fermilab main injector for the high intensity neutrino source</u>	Kiran Sonnad	SLAC
11:30-12:00	<u>Longitudinal single bunch instability caused by the wake field of electron cloud</u>	Yu Dong Liu	IHEP
12:00-12:30	<u>Single bunch instabilities by electron clouds at KEKB</u>	Hyunchang Jin	Postech
	Lunch		
Session F	Electron cloud instability: theories and simulations, measurements	R. Macek	LANL
14:00-14:30	<u>Electron Cloud Simulations Using ORBIT Code</u>	Yoichi Sato	ORNL
14:30-15:00	<u>An Analytic Model for the E-cloud in a Dipole/Wiggler Dominated Ring</u>	Levi Schachter	Cornell
15:00-15:30	<u>Analytical treatment of the nonlinear electron cloud effect and the combined effects with beam-beam and space charge nonlinear forces</u>	Jie Gao	IHEP
	Break		
16:00-16:30	<u>Measurements of Wake Effects due to Electron Cloud at KEKB</u>	Takao Ieiri	KEK
16:30-17:00	<u>Analytical approach to two-stream instabilities</u>	Samuel Heifets	SLAC
17:00-17:30	<u>Proton beam emittance growth at RHIC</u>	S.Y. Zhang	BNL
	Discussions		

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Session G	Electron cloud instability: theories and simulations, measurements & ion	H. Fukuma	KEK
8:30-9:00	<u>Self-consistent simulations of the interaction of E-Clouds and beams with WARP-POSINST</u>	Jean-Luc Vay	LBNL & VNL
9:00-9:30	<u>3D space charge routines: comparison of multigrid and FFT based algorithms</u>	Gisela Poeplau	Rostock
9:30-10:00	<u>Physical and artificial emittance growth in particle in cell simulation</u>	Kazuhito Ohmi	KEK
10:00-10:30	<u>Dust Effects in the BEPC</u>	Zhou Deming	IHEP
	Break		
11:00-11:30	<u>About Simulation</u>	K. Ohmi	KEK
11:30-12:00	<u>Simulation on fast-ion instability in the ILC damping ring</u>	Eun-San Kim	KNU
12:00-12:30	<u>Ion instability at SuperKEKB</u>	Hitoshi Fukuma	KEK
	Lunch		
Session H	Summary	K. Ohmi	KEK
14:00-14:30	<u>Measurement of electron cloud effects</u>	K. Harkay	ANL
14:30-15:00	<u>Electron cloud buildup</u>	Miguel Furman	LBNL
15:00-15:30	<u>Instabilities</u>	K. Ohmi	KEK
15:30	Close	Eun San Kim	KNU