

SCRF WebEx Monthly Meeting

Agenda and Reports from PM

Feb. 18, 2009

Agenda

- Report from Project Mangers (A. Yamamoto)
 - Visiting DESY
 - InPAC-2009
 - Cavity company visit
- Brief Status Report from each GL
- AAP Review, SCRF Session
 - Preparation for the presentation (A.Y.)
- Plug-compatibility document
 - Appdendix update
 - Improvement of functional and envelope parameters
 - Cavity Integration (H. Hayano)
 - Cryomodule (N. Ohuchi)
 - HLRF (S. Fukuda)
 - MLI, Quadrupole package (magnet and monitor) (C. Adolphsen)
- Others

Visiting DESY (Jan. 26-27)

- S1-Global: MOU Addendum
 - Work sharing and responsibilities agreed
 - Cavity contribution
 - Participation to the cavity assembly and test
- Company visit
 - ACCEL visit: fixed to be on March 6,
 - Presentation from GDE being prepared

InPAC 2009

- Indian Particle Accelerator Conference, 2009
 - Held at RRCAT, Indore
 - AY served a talk on “The global R&D effort for SCRF technology for the ILC”,
 - Discussion with RRCAT director, Dr. V. Sahni
 - Long term cooperative effort to be expected specially on Cavity and Cryomodule design work in view of cost-effective manufacturing,
 - Exchange of scientists and engineers
 - Discussion on Cavity, Tuner, and Cryomodule
 - Cavity with “Plasma spray” method (K.C.Mittal, BARC)
 - Cost effective manufacturing:
 - Cavity, end group NC machining (K. Prashant, RRCAT)
 - Cryomodule, Split-support link b/w Gas return pipe and cavity
- MOU established between FNAL-Indian Institutions

AAP Review for SCRF: Context given by AAP

- What is the path to finalizing the gradient choice? >> (S0)
 - Current experimental status
 - Established standards,
 - Extrapolation of results
 - Time limitations
 - Decision process
 - Role of plug-compatibility
- What is the path toward industrialization? (S1~S2))
 - Current experimental status
 - Established standards,
 - Extrapolation of results
 - Internationalization of efforts,
 - Outline toward tendering process
 - Role of Plug-compatibility
- Lessons expected from system tests (S2)
 - Operational limitation of the ILC cavities,
 - FLASH: ILC like mode, (Long bunch, high charge, high gradient) ...
 - STF
 - NML
 - Experience and characterization of implication for ILC
 - Time lines,
 - Benefits

AAP Review General Agenda

	17(Fri)	18(Sat)	19(Sun)	20(mon)	21(Yue)
9			ATF		
10	ACFA-GDE Joint	CFS	SRF	AS	Joint Summary
11					
12					
13					
14		CESRTA	SRF	MM	
15	AAP Guidance			FLASH	PM summary
16					
17	AAP Closed Session				

Outline for Presentation from SCRF

AM

- Cavity Field Gradient (S0)
 - Improvement of Gradient with understanding of behavior (L.Lilje)
 - Process for Field Gradient Re-optimization (A.Y.)
 - Number of statistics and definition of the statistics
- Cavity and Cryomodule Industrialization (S1)
 - Cavity Integration and Cryomodule Assembly
 - S1 and S1-global Plan (N. Ohuchi)
 - R&D Efforts for mass production
 - Plug compatibility of cavity and cryomodule (H. Hayano)

PM

- Test Facilities for SCRF with Beam Acceleration (S2)
 - FLASH at DESY (J. Carwardine)
 - STF at KEK (H. Hayano)
 - NML at FNAL (M. Champion)
- Cryogenics (T. Peterson)
- HLRF (S. Fukuda)
- ML Integration C. Adorphen