

# ML-SCRF Webex meeting

September 16, 13:00- (GMT)

1) Reports from PMs

2) Reports from GLs

3) Topics and Discussions:

- Progress in Cavity gradient yield evaluation

(C. Ginsburg, R. Geng)

- ALCPG/ILC-GDE meeting: SCRF session agenda

(C. Adolphsen, H. Hayano, R. Geng, N. Ohuchi, T. Peterson, S. Fukuda, J. Kerby)

- Preparation for AD&I study and document

(M. Ross, N. Walker, A. Yamamoto)

- Announcement for Industrialization Meeting

(A. Yamamoto)

4) Next meetings

# SCRF Parallel Sessions at ALCPG09

## SCRF Parallel Sessions at ALCPG09

Sep. 29 (Tue)	Sep. 30 (Wed)	Oct. 1 (Thu)	Oct. 2 (Fri)	Oct. 3 (Sat)
9:00	ALCPG/G	8:30	ADI	8:30
10:30	DE Joint	10:00	Main Linac (ML)	10:00
Break	Break	Break	Break	Break
11:00	ALCPG/G	10:30	Main Linac	10:30
12:30	DE Joint	12:00	Cavity	12:00
Lunch	Lunch	Lunch	Lunch	end
14:00	GDE	13:30	Main Linac	13:30
15:45	Plenary	15:30	Cryomodule	15:30
Break	Break	Break	Break	Break
16:15	GDE	16:00	Main Linac	16:00
16:45	Plenary	17:30	Cryomodule	17:30
				ADI
				GDE Plenary
				ALCPG/GDE Joint Plenary

# Cavity Gradient Session

Review current status and Produce 6 month plan

R. Geng, M. Champion, D. Reschke, H. Hayano

(Oct 1, 13:30 - 17:30)

Time	Topics	Presenters	Reports should include:		
13:30	<b>Status and Outlook for 2009-2010</b>				
45m in	Cavity R&D Status and Future Plans	Rongli Geng	Summary report of SRF2009	Webex	JLab
45m in	Cavity Database Status	Camille Ginsburg	more cavity strategy for statistics	in person	FNAL
10m in	Achievement of 41 MV/m gradient by AES8	Rongli Geng		WebEx	JLab
10m in	Progress on guided repair and sponge cleaning	Hiroshi Hayano		in person	KEK
10m in	US cavities: status and plan	Mark Champion	(talk to be presented by Jim or Camille)	in person	FNAL
15:30-16:00	Coffee break				

20m in	DESY cavities inspection, processing, testing and plan	Wolf-Dietrich Moeller		WebEx	DESY
20m in	KEK cavities: inspection, processing, testing and plan	Eiji Kako		in person	KEK
10m in	Re-entrant cavity progress	Zack Conway		WebEx	Cornell
10m in	Low-loss/ICHRO cavity progress	Fumio Furuta		WebEx	KEK
10m in	Large-grain cavity progress	Waldemar Singer		WebEx	DESY
20m in	ANL/FNAL EP/HPR facility and cavity processing status and plan	Allan Rowe		WebEx	FNAL

# Cavity Integration Session

Production facility, tuner&coupler plug-compatibility

H. Hayano, (M. Champion), C. Pagani

(Sep 30, 10:30 - 12:00)

Time	Topics	Presenters
10:30 - 12:00	<b>Plans for cavity production (1.0 hour)</b>	
	15m in XFEL cavity production plan	H. Weise
	15m in Plan of STF cavity production test plant	S. Yamaguchi
	15m in US plans for cavity production	B. Kephart
	15m in KEK Application of HPV code regulation	Eiji Kako
	<b>Review plug-compatible boundary and specifications, decide boundary of input-coupler</b>	
	20m in specifications, Input coupler boundary, etc (as a startup of discussion)	H. Hayano

# Cryomodule - S1-Global Session, Cryogenics

Norihito Ohuchi, Paolo Pierini, Don Mitchell, Tom Peterson

(Sep 30, 13:30 - 17:30)

Time	Subject	Presenters	
	30m in S1G cryomodule construction status report (Module)	N. Ohuchi	Webex
	15m in S1G cryomodule component list	N. Ohuchi	Webex
	15m in KEK cavity preparation for S1G	E. Kako	
	15m in FNAL cavity preparation for S1G	??	
	15m in DESY cavity preparation for S1G	??	Webex
	30m in discussion		
15:30 - 16:00	Coffee Break		
	20m in S1G cryomodule test schedule (in general)	H. Hayano	
	20m in S1G cryomodule cavity test items (in detail)	E. Kako	
	20m in S1G cryomodule thermal test item (in detail)	N. Ohuchi	Webex
	30m in discussion		

# HLRF Session

Cluster and Distributed RF source

S. Fukuda and C. Adolphsen

(Oct 2, 10:30 - 12:00, 13:30-15:30)

Time	Subject	Presenters
10:30 - 12:00	Update of R&D in support of the klystron cluster	
20m in	scheme/ High Power Tests of a reflection free, remote controllable phase shifter	Chris Nantista
20m in	Operational experience with the Marx Modulator, 10MW Toshiba MBK and SBK gun	Faya Wang
20m in	Update of R&D of DRFS	Shigeki Fukuda
20m in	Waveguide Components R&D ; variable hybrid etc.	Sergey Kazakov Webex
	Latest results on cavity gradient stability at TTF	Shilun Pei
	HLRF plan for S1-Gbbal in KEK	Shigeki Fukuda

# MLI

Quadrupole magnet alignment, low-energy cavity alignment  
C. Adolphsen, joint with BD convener (K. Kubo)

(Oct 1, 8:30 - 12:00)

Time	Topics	Presenters
8:30 - 10:00	Joint with Beam dynamics	
	Long range alignment/survey	???
	Design and dynamics of single stage bunch compressor	???
	spec of magnet and BPM	???
	Stray field measurement (for long return line)	???
10:30 - 12:00	Joint with Beam dynamics	
	???	???
	???	???
	???	???
	???	???