

SCRF Parallel Sessions at TILC09

Based on inputs from SCRF conveners

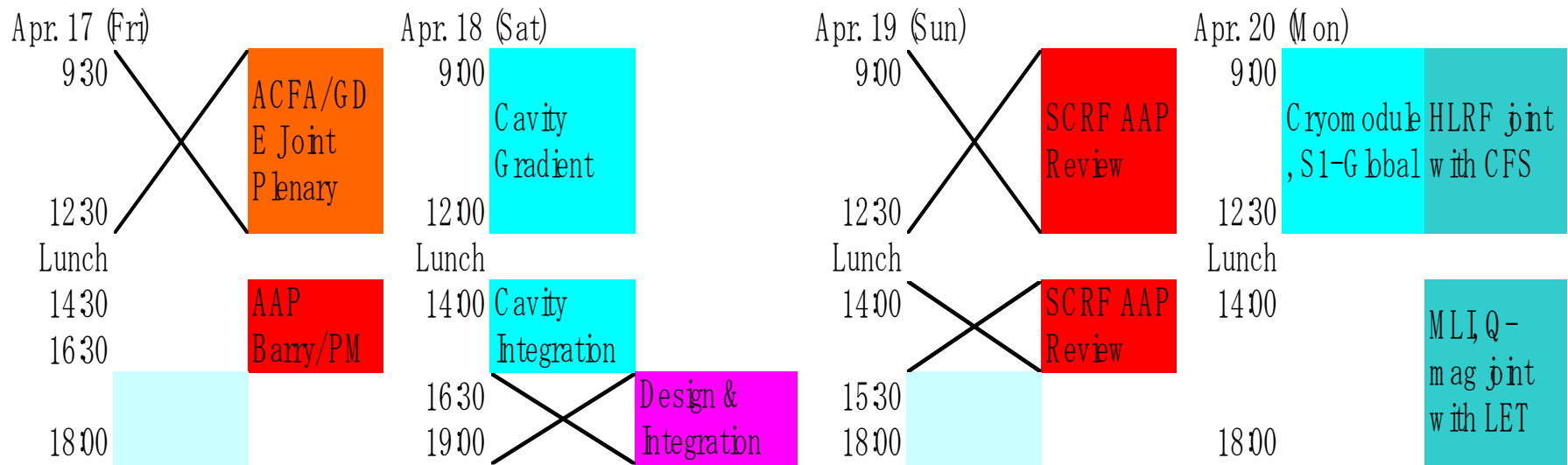
April 13, 2009

SCRF PM/APMs

Requests to the Parallel Sessions at TILC09

- The primary goal of the TILC09 parallel sessions is to present and discuss the R&D and design activities now in progress in order to bring the latest results to the GDE community.
- The focus of the parallel sessions will be also on the re-baseline process (to be completed by early 2010). Parallel session conveners are asked to help to guide the re-baseline process by: 1) providing a forum for stakeholders to give input; 2) collecting their input and developing a summary for Project Managers and for the TILC09 closing plenary; and 3) evaluating current status, recommending and organizing further studies as proactively as possible. The key re-baseline activities and milestones are:
 - Collecting input from the community - starts at TILC09
 - Submitting preliminary recommendations - next GDE meeting (ALCPG09 - late September 2009)
 - Reviewing and approving recommendations - February 2010

SCRF Related Parallel Sessions at TILC09



- 1) Cavity Gradient R&D (scope for progress in 2009 and re-base line)
Conveners: L. Lilje, H. Hayano, M. Champion, R. Geng
- 2) Cavity Integration, tuner, coupler plug-compatibility
Conveners: H. Hayano, J. Kerby, C. Pagani
- 3) Cryomodule, S1-Gbbal cryomodule
Conveners: N. Ohuchi, D. Mitchell, P. Pierini
- 4) HLRF, Cluster and Distributed RF source
Conveners: S. Fukuda, C. Adolphsen, Joint with CFS (V. Kuchler)
- 5) MLI, Quadrupole alignment, low-energy cavity alignment
Conveners: C. Adolphsen, Joint with LET, RTML (K. Kubo, N. Solyak)

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|------------------|-----------------------------|
| Apr. 18 (Sat) AM | 2-2.5 hrs before AAP review |
| Apr. 18 (Sat) PM | 2 hrs |
| Apr. 20 (Mon) AM | 3 hrs |
| Apr. 20 (Mon) AM | 2 - 3 hrs |
| Apr. 20 (Mon) PM | 4 hrs |

Cavity Gradient R&D Parallel Session

April 18 (Sat) 9:00 – 12:00

Conveners: L. Lilje, H. Hayano, M. Champion, R. Geng

Time	Topics	Presenters
9:00	Status and Outlook for 2009	
	15m in STF cavity status	E. Kako
	15m in US ?	
	15m in EU Status	L. Lilje
	Special Topics not covered before	
	15m in Large-Grain	
	15m in Low-bss	
10:15–10:30	Coffee break??	
	15m in STF T-map results	Y. Yamamoto
	15m in STF optical inspection results	K. Watanabe
	15m in Optical inspection at DESY	S. Aderhold
	10m in Basic R&D of EP surface	T. Saeki
	5 m in Reserve	
	Discussion of Re-Baselining	
11:30–12:00	Introduction	Akira Yamamoto??
12:00	END OF SESSION	

Cavity Integration Parallel Session

April 18 (Sat) 14:00 – 16:30

Conveners: H. Hayano, J. Kerby, C. Pagani

- R&D status presentation (1.5 hour)
 - STF cryomodule test, mag. shield, coupler test E. Kako 20min
 - Lorentz-detuning measurement and compensation Y. Yamamoto 15min
 - Blade tuner test C. Pagani 15min
 - Slide-jack tuner room temp measurement H. Hayano 15min
- Review plug-compatible boundary and specifications, decide boundary of input-coupler (1 hour)
 - specifications, Input coupler boundary, etc (as a startup) H. Hayano 15min

Cryomodule Parallel Session

April 20 (Mon) 9:00 – 12:30

Conveners: N. Ohuchi, D. Mitchell, P. Pierini

Time	Subject	Presenters
9:00 - 9:25	FNAL cryomodule development (3.9GHz and 1.8GHz) and layout in NML	D. Mitchell
9:25 - 9:40	Schedule and Design of the S1-G cryomodules	N. Ohuchi
9:40 - 10:10	Confirming the components for S1-G cryomodules and the responsible labs.	All, led by N. Ohuchi
10:10 - 10:30	Thermal analysis works for S1-G cryomodules	Serena, Paob
10:30 - 10:50	Coffee Break	
10:50 - 11:40	Measurements	
	Measurement items and methods (20 min.)	Tom (Webex), Paob, N. Ohuchi
	Thermal sensors (20 min.)	N. Ohuchi
	WPMs (10 min.)	H. Hayano
11:40 - 12:30	Assembly procedure and tools	
	FNAL and DESY cavities (20 min.)	Tug Arkan (Webex)
	KEK cavities (20 min.)	E. Kako, N. Ohuchi

HLRF Parallel Session Joint with CFS

April 20 (Mon) 9:00 – 12:00

Conveners: S. Fukuda, C. Adolphsen, V. Kuchler (CFS)

Time	Topics	Presenters
9:00	New Phase Shifter Development	C. Nantista
9:20	Development of Waveguide Component at KEK	S. Kazakov
9:40	Test result of Circulator elimination at STF1 in KEK	S. Michizono
10:00	TBD	S. Noguchi
10:20	Coffee Break	
10:30	RF Cluster Concept	C. Nantista
11:00	DRFS	S. Fukuda
11:30	CFS of RF Cluster Scheme	V. Kuchler
11:50	CFS of DRFS	A. Enomoto
12:10	LLRF Comparison for RF Cluster and DRFS	S. Michizono

ML-RTML-BD Parallel Session at TILC09

April 20 (Mon) 14:30? – 18:00

Conveners: C. Adolphsen, N. Solyak (RTML), K. Kubo (BD)

14:30? -

Low energy quads - Vladimir Kashikhin/Fernando

General quad issues (discussion) - led by C. Adolphsen

Alignment studies - John Dale

Overview of RTML emittance control - Nikolay Solyak

16:30 -

Single stage BC design - A. Latina/N.Solyak

Re-design of extraction line for single stage BC. - Sergei Seletskyi

BC simulations, recent progress at KEK - D. Wang/K. Kubo

BC alignment requirements and alignment issues - Andrea Latina

Discussion on beam dynamics studies in RTML and ML- All