SCRF Meeting

Report of Contributions

https://agenda.linearcollider.org/e/2650

Contribution ID: **0** Type: **not specified**

Opening Remark / Introduction

Presenter: YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK))

Contribution ID: **1** Type: **not specified**

Highlights from regions:

Monday, 21 April 2008 09:30 (1 hour)

-S0, process and test for Ichiro-5 Cavity
-Optical inspection device

Presenter: R. GENG, Y. IWASHITA

Session Classification: Cavity Process

Contribution ID: **2** Type: **not specified**

Opening Remarks/Introduction

Monday, 21 April 2008 09:00 (30 minutes)

Presenter: A. YAMAMOTO

Session Classification: Cavity Process

Contribution ID: **3** Type: **not specified**

Study Status , Concise, focus on standard for understanding

Monday, 21 April 2008 11:00 (1h 30m)

-Asia
-Americas
-Europe (XFEL)

Presenter: E. KAKO, F. FURUTA, C. GINSBERG, L.LILJE

Session Classification: Cavity Process

Contribution ID: **4** Type: **not specified**

Plans at each lab, and philosophy for evaluating performance, inspection, diagnostics at each region

Monday, 21 April 2008 13:30 (2 hours)

(incl. facility,capacity common use):
KEK, FNAL, Jlab, DESY, Cornell, and, Kyoto ⋯.

Presenter: HAYANO, CHAMPION, RIMMER, LILJE, PADAMSEE , IWASHITA

Session Classification: Cavity Process

Contribution ID: **5** Type: **not specified**

Strategies for Global R&D Plan (S0),

Monday, 21 April 2008 16:00 (1h 30m)

-35 MV/m with yield of 50 % for TDP-1 and
-35 MV/m with yield of 90 % for TDP-2

Presenter: L.LILJE

Session Classification: Cavity Process

Contribution ID: **6** Type: **not specified**

Tuner

Tuesday, 22 April 2008 09:00 (1h 30m)

-Lorentz detuning, and discussions
-Ball-screw-tuner test results (for LL cavity)
-Blade-tuner (update) and/or any others status/proposal?
-Reliability of the motor and the Maintenability

Presenters: YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK)); PAGANI, Carlo (INFN Milano LASA); NOGUCHI, S.; SAEKI, T.

Session Classification: Cavity Intergration

Contribution ID: **7** Type: **not specified**

Discussions for tuner functional specification and comparison table

Tuesday, 22 April 2008 10:45 (1h 45m)

Presenter: HAYANO, Hitoshi (KEK)

Session Classification: Cavity Intergration

Contribution ID: **8** Type: **not specified**

Coupler:

Tuesday, 22 April 2008 13:00 (3 hours)

-XFEL coupler: industrial assessment, and industrialization
-Fixed/variable coupler : cost difference
: technical issues
-Requirements from RF power distribution system in view of MLI
-Discussions on coupler specification and interface

Presenter: S. PRAT, S. NOGUHI, E. KAKO, C. ADOLPHSEN, LED BY H. HAYANO

Session Classification: Cavity Intergration

Contribution ID: **9** Type: **not specified**

Project X R&D at Fermilab

Tuesday, 22 April 2008 16:00 (1 hour)

Accelerator Physics and Technology Seminar
Note Location Change

Session Classification: Cavity Intergration

Contribution ID: **10** Type: **not specified**

Cavity-string test in cryomodule (S1 and S1-global)

Tuesday, 22 April 2008 17:00 (20 minutes)

-S1 plan at FNAL
-S1-global plan
- Work required at KEK and global assembly (technical feasibility)
- Cooperation with FNAL / Cooperation with DESY

Presenter: S.MISHRA,M. CHAMPION, N. OUCHI, D. MITCHELL, L.LILJE

Session Classification: Cavity Intergration

Contribution ID: **11** Type: **not specified**

Cryomodule: functional parameters and interfaces

Wednesday, 23 April 2008 09:00 (30 minutes)

Presenter: N. OHUCHI, H, CARTER

Session Classification: Cryomodule/Cryogenics

Contribution ID: **12** Type: **not specified**

Plug-compatibility (for cavity and cryomodule, HLRF):

Wednesday, 23 April 2008 09:30 (1h 15m)

- Interfaces (CAD-work boundary condition) of plug-compatible design
- Parameters tables for interfaces

Presenter: D. MITCHELL,H. HAYANO,N. OUCHI

Session Classification: Cryomodule/Cryogenics

Contribution ID: **13** Type: **not specified**

Discussions

Wednesday, 23 April 2008 11:00 (1h 30m)

Conclusion/Consensus (Table filled) and Further study required

Presenter: LED BY OHUCHI AND CARTER

Session Classification: Cryomodule/Cryogenics

Contribution ID: **14** Type: **not specified**

High Pressure Gas Regulation

Wednesday, 23 April 2008 13:30 (1h 30m)

-Requirements and the regional constraints
(How to handle Nb: summary of survey based on e-mail communication).
-Comments and discussions for further works

Presenter: T. PETERSON, H. NAKAI, K. JENSCH

Session Classification: Cryomodule/Cryogenics

Contribution ID: **15** Type: **not specified**

Thermal balance in cryomodule/cryogenics

Wednesday, 23 April 2008 15:30 (1h 30m)

-5 K shield study at TTF cryomodule design
-5 K shield study at STF cryomodule design
-Lowering radiation shield (80K) temperature
-Discussions and conclusion/consensus

Presenter: P. PIERINI, LED BY OHUCHI AND PETERSON

Session Classification: Cryomodule/Cryogenics

Contribution ID: **16** Type: **not specified**

Comments

Wednesday, 23 April 2008 17:00 (1 hour)

Presenter: H. PADAMSEE

Session Classification: Cryomodule/Cryogenics

Contribution ID: **17** Type: **not specified**

HLRF: functional parameters and interfaces

Thursday, 24 April 2008 09:00 (15 minutes)

Presenter: S. FUKUDA

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **23** Type: **not specified**

Requirements for the Summary and Work Assignment

Friday, 25 April 2008 09:00 (30 minutes)

Presenter: A. YAMAMOTO

Session Classification: Summary and Work Assignment

Contribution ID: **24** Type: **not specified**

Cavity Process, Cavity Integration

Friday, 25 April 2008 09:30 (1 hour)

Presenter: L. LILJE, H. HAYANO

Session Classification: Summary and Work Assignment

Contribution ID: **25** Type: **not specified**

Cryomodule and cryogenics, HLRF, MLI

Friday, 25 April 2008 10:45 (1h 45m)

Presenter: N. OUCHI/T. PETERSON, S. FUKUDA, C. ADOLPHSEN

Session Classification: Summary and Work Assignment

Contribution ID: **26** Type: **not specified**

General Summary

Friday, 25 April 2008 13:30 (2 hours)

-Functional Parameters
-General guide-line for plug-compatibility
-Common interface parameters (consensus)
-Works for further consensus

General Comments
Closing Remark

Presenter: LED BY YAMAMOTO, H. PADAMSEE

Session Classification: Summary and Work Assignment

Contribution ID: **27** Type: **not specified**

Group Leaders Meeting

Friday, 25 April 2008 16:00 (20 minutes)

Session Classification: Summary and Work Assignment

Contribution ID: **28** Type: **not specified**

Optimal Ql &Pk Settings for all Beam Currents

Thursday, 24 April 2008 09:15 (20 minutes)

Presenter: BRANLARD, J.

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **29** Type: **not specified**

Talk on RF overheads at TTF(TBD)

Thursday, 24 April 2008 09:35 (20 minutes)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **30** Type: **not specified**

Maximum Gradient Operation(TBD)

Thursday, 24 April 2008 09:55 (15 minutes)

Presenter: NOGUCHI, S.

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **31** Type: **not specified**

LLRF for ILC and S1

Thursday, 24 April 2008 10:10 (15 minutes)

Presenter: MICHIZONO, S.

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **32** Type: **not specified**

Plan and timetable of LLRF at NML

Thursday, 24 April 2008 10:25 (10 minutes)

Presenter: Mr CHASE, Brian (FNAL)

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **33** Type: **not specified**

Discussion with following subjects

Thursday, 24 April 2008 10:35 (15 minutes)

-Necessary cooperation with LLRF; status and requirements (TBD)
-LLRF cooperation expected to STF and S1-global work at KEK
-Discussions and strategy to reflect the work for TDP R&D activities,

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **34** Type: **not specified**

HLRF progress for the XFEL

Thursday, 24 April 2008 11:15 (25 minutes)

Presenter: S. CHOROBA

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **35** Type: **not specified**

Design and R&D status at SLAC and plan for NML (including circulator, tunability)

Thursday, 24 April 2008 11:40 (20 minutes)

Presenter: C. NANTISTA

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **36** Type: **not specified**

Design and R&D status at KEK and preparation for STF and S1-global

Thursday, 24 April 2008 12:00 (20 minutes)

Presenter: S. FUKUDA

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **37** Type: **not specified**

Status of the SBK development

Thursday, 24 April 2008 13:30 (30 minutes)

Presenter: E. JONGEWAARD

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **38** Type: **not specified**

Status of the Marx development

Thursday, 24 April 2008 14:00 (30 minutes)

Presenter: C. BURKHART

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **39** Type: **not specified**

Discussions and strategy to reflect the work for TDP R&D activities

Thursday, 24 April 2008 14:30 (30 minutes)

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **40** Type: **not specified**

Gradient for various RF dist systems and cost of Dist components

Thursday, 24 April 2008 15:30 (25 minutes)

Presenter: ADOLPHSEN, Chris (SLAC)

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **41** Type: **not specified**

Overview of Quad and BPM development at SLAC

Thursday, 24 April 2008 15:55 (5 minutes)

Presenter: ADOLPHSEN, Chris (SLAC)

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **42** Type: **not specified**

Quadrupole R&D at FNAL and CIEMAT

Thursday, 24 April 2008 16:00 (30 minutes)

Presenter: V. KASHIKHIN

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **43** Type: **not specified**

Progress on BPM development at FNAL and Saclay

Thursday, 24 April 2008 16:30 (20 minutes)

Presenter: M. WENDT

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **44** Type: **not specified**

Update of Beam Dynamics studies relevant to the Main Linac

Thursday, 24 April 2008 16:50 (30 minutes)

Presenter: P. LEBRUN

Session Classification: HLRF (&LLRF), MLI

Contribution ID: **45** Type: **not specified**

Discussion

Thursday, 24 April 2008 17:20 (20 minutes)

Session Classification: HLRF (&LLRF), MLI