

**Main Linac - KOM**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Introduction

*Thursday, 27 September 2007 09:00 (15 minutes)*

Discuss time line for delivering the EDR, cutoff dates for changes (including ACD), cost and schedule responsibilities and interactions among ML groups and with other high level groups

**Presenter:** AKIRA YAMAMOTO

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 1

Type: **not specified**

## **Observations from the KOM Meetings So Far**

*Thursday, 27 September 2007 09:15 (15 minutes)*

**Presenter:** NICK WALKER

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 2

Type: **not specified**

## **ACD Down-Select Criteria and Time Scales for Cavity Shapes and Processing**

*Thursday, 27 September 2007 11:00 (20 minutes)*

**Presenter:** LUTZ LILJE

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 3

Type: **not specified**

## **ACD Down-Select Criteria and Time Scales for Cavity Assembly and Peripherals**

*Thursday, 27 September 2007 11:20 (20 minutes)*

**Presenter:** HITOSHI HAYANO

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 4

Type: **not specified**

## **ACD Down-Select Criteria and Time Scales for HLRF**

*Thursday, 27 September 2007 10:40 (20 minutes)*

**Presenter:** SHIGEKI FUKUDA

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 5

Type: **not specified**

## **ACD Down-Select Criteria and Time Scales for Cryomodules**

*Thursday, 27 September 2007 11:40 (20 minutes)*

**Presenter:** HARRY CARTER

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 6

Type: **not specified**

## **What the ILCTA@NML and STF will NOT Tell Us for the EDR by 2011**

*Thursday, 27 September 2007 09:30 (20 minutes)*

**Presenter:** SERGEI NAGAITSEV

**Session Classification:** Introduction, Test Facilities and ACD Time Lines



Contribution ID: 8

Type: **not specified**

## **What XFEL Will Tell Us for the EDR by 2011**

*Thursday, 27 September 2007 09:50 (20 minutes)*

**Presenter:** HANS WEISE

**Session Classification:** Introduction, Test Facilities and ACD Time Lines

Contribution ID: 9

Type: **not specified**

## **Quad Package (Quad, Correctors, BPM, HOM Absorber)**

*Thursday, 27 September 2007 13:30 (45 minutes)*

**Presenter:** NIKOLAY SOLYAK ET AL

**Session Classification:** Beam Related Issues

Contribution ID: 11

Type: **not specified**

## Wakefields and Cavities

*Thursday, 27 September 2007 14:15 (45 minutes)*

**Presenter:** ZENGHAI LI

**Session Classification:** Beam Related Issues

Contribution ID: 12

Type: **not specified**

## Static and Dynamic Tuning

*Thursday, 27 September 2007 15:30 (1h 30m)*

**Presenter:** KIYOSHI KUBO

**Session Classification:** Beam Related Issues

Contribution ID: 13

Type: **not specified**

## Work Package Topics

*Thursday, 27 September 2007 17:00 (30 minutes)*

**Presenter:** CHRIS ADOLPHSEN

**Session Classification:** Beam Related Issues

Contribution ID: 14

Type: **not specified**

## Wakes and Cavity Design

*Friday, 28 September 2007 09:00 (20 minutes)*

Includes proposal for reducing wake offsets due to asymmetric antennae penetrations

**Presenter:** , Chris Adolphsen

**Session Classification:** Integration Issues

Contribution ID: 15

Type: **not specified**

## **Coupler Diameter, Multipacting and Tunability**

*Friday, 28 September 2007 09:20 (20 minutes)*

Surveys pros and cons of different coupler choices

**Presenter:** CHRIS ADOLPHSEN

**Session Classification:** Integration Issues

Contribution ID: 16

Type: **not specified**

## Waveguide Heat Loads

*Friday, 28 September 2007 09:40 (20 minutes)*

Size and implications for CFS and LLRF

**Presenter:** CHRIS NANTISTA

**Session Classification:** Integration Issues



Contribution ID: 17

Type: **not specified**

## LLRF Requirements

*Friday, 28 September 2007 10:00 (20 minutes)*

Includes discussion of desired overhead and HLRF bandwidth

**Presenter:** BRIAN CHASE

**Session Classification:** Integration Issues

Contribution ID: **18**

Type: **not specified**

## **CFS Requirements**

*Friday, 28 September 2007 10:50 (20 minutes)*

Includes a discussion of how the linac alignment requirements (both spatial and temporal) should be specified for installation and site evaluation

**Presenter:** LACKOWSKI, Tom

**Session Classification:** Integration Issues

Contribution ID: **19**

Type: **not specified**

## **Cryogenic Issues**

*Friday, 28 September 2007 11:10 (20 minutes)*

Includes discussion of layout and input required from other groups

**Presenter:** TOM PETERSON

**Session Classification:** Integration Issues

Contribution ID: 20

Type: **not specified**

## Quad Field and Position Stability

*Friday, 28 September 2007 11:30 (20 minutes)*

Review of short and long term quad stability requirements and implications for the support system

**Presenter:** CHRIS ADOLPHSEN

**Session Classification:** Integration Issues

Contribution ID: 21

Type: **not specified**

## **General Cost Model and Gradient and Gradient Spread Dependence**

*Friday, 28 September 2007 13:30 (40 minutes)*

**Presenter:** CHRIS ADOLPHSEN

**Session Classification:** Cost and Design Optimization

Contribution ID: 22

Type: **not specified**

## **Example Tradeoff: Additional Cryo Cost vs Savings from Removing 5K Shield**

*Friday, 28 September 2007 14:10 (20 minutes)*

**Presenter:** TOM PETERSON

**Session Classification:** Cost and Design Optimization

Contribution ID: 23

Type: **not specified**

## **Main Linac Cost Summary, Drivers and Technical and Cost Risks**

*Friday, 28 September 2007 14:50 (20 minutes)*

**Presenter:** TETSUO SHIDARA

**Session Classification:** Cost and Design Optimization

Contribution ID: 24

Type: **not specified**

## MLI Meeting Comments

*Friday, 28 September 2007 15:10 (30 minutes)*

**Presenter:** WALKER, Nick

**Session Classification:** Cost and Design Optimization