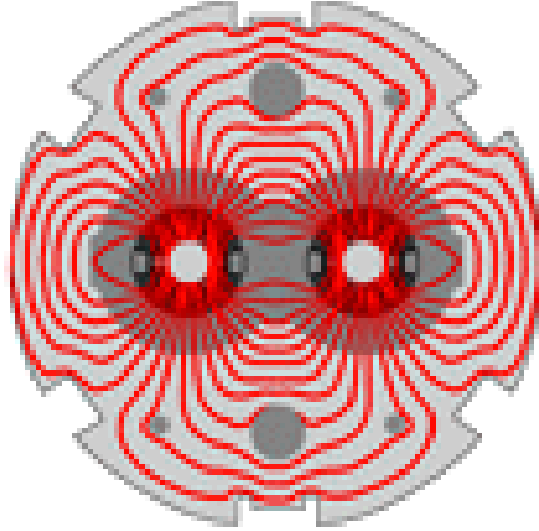


**LARP CM14**



***LARP***

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome and Introduction

*Monday, 26 April 2010 09:00 (30 minutes)*

**Primary author:** Dr PREBYS, Eric (Fermilab)

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** Introductory Plenary Session

Contribution ID: 1

Type: **not specified**

## Summary of Chamonix Meeting

*Monday, 26 April 2010 09:30 (30 minutes)*

**Primary author:** Dr BRUENING, Oliver (CERN)

**Presenter:** Dr BRUENING, Oliver (CERN)

**Session Classification:** Introductory Plenary Session

Contribution ID: 2

Type: **not specified**

## **Reaction to Chamonix: APUL**

*Monday, 26 April 2010 10:00 (20 minutes)*

**Primary author:** Dr FEHER, Sandor (Fermilab)

**Presenter:** Dr FEHER, Sandor (Fermilab)

**Session Classification:** Introductory Plenary Session

Contribution ID: 3

Type: **not specified**

## Reaction to Chamonix: DOE

*Monday, 26 April 2010 10:20 (20 minutes)*

**Primary author:** STRAUSS, Bruce (DOE)

**Presenter:** STRAUSS, Bruce (DOE)

**Session Classification:** Introductory Plenary Session

Contribution ID: 4

Type: **not specified**

## **Accelerator Systems, Including Chamonix Reaction**

*Monday, 26 April 2010 10:55 (30 minutes)*

**Primary author:** MARKIEWICZ, Thomas (SLAC)

**Presenter:** MARKIEWICZ, Thomas (SLAC)

**Session Classification:** Introductory Plenary Session

Contribution ID: 5

Type: **not specified**

## **Magnet Systems, Including Chamonix Reaction**

*Monday, 26 April 2010 11:25 (30 minutes)*

**Primary author:** Dr SABBI, GianLuca (LBNL)

**Presenter:** Dr SABBI, GianLuca (LBNL)

**Session Classification:** Introductory Plenary Session

Contribution ID: 6

Type: **not specified**

## **LQ Results and Status**

*Monday, 26 April 2010 13:30 (20 minutes)*

**Primary author:** AMBROSIO, Giorgio (FNAL TD/MSD)

**Presenter:** AMBROSIO, Giorgio (FNAL TD/MSD)

**Session Classification:** Recent Highlights (plenary)



Contribution ID: 7

Type: **not specified**

## Tevatron Workshop

*Wednesday, 28 April 2010 09:00 (20 minutes)*

**Primary author:** MOORE, Ronald (Fermilab)

**Presenter:** MOORE, Ronald (Fermilab)

**Session Classification:** Closing Discussions (plenary)

Contribution ID: 8

Type: **not specified**

## LHC Tevatron Study Proposals

Contribution ID: 9

Type: **not specified**

## **LARP/EuCARD Relations**

*Wednesday, 28 April 2010 09:20 (20 minutes)*

**Primary author:** Dr PREBYS, Eric (Fermilab)

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** Closing Discussions (plenary)

Contribution ID: **10**

Type: **not specified**

## **LHC Start up**

*Monday, 26 April 2010 13:50 (40 minutes)*

**Presenter:** Dr BRUENING, Oliver (CERN)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 11

Type: **not specified**

## **Lumi status and potential for 3.5 TeV operation**

*Monday, 26 April 2010 14:30 (20 minutes)*

**Primary author:** Dr RATTI, Alessandro (LBNL)

**Presenter:** Dr RATTI, Alessandro (LBNL)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 12

Type: **not specified**

## Synchrotron Light Monitor

*Monday, 26 April 2010 14:50 (20 minutes)*

**Primary author:** Dr FISHER, Alan (SLAC)

**Presenter:** Dr FISHER, Alan (SLAC)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 13

Type: **not specified**

## AC Dipole

*Monday, 26 April 2010 15:10 (20 minutes)*

**Primary author:** Mr MIYAMOTO, Ryoichi (The University of Texas at Austin)

**Presenter:** Mr MIYAMOTO, Ryoichi (The University of Texas at Austin)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 14

Type: **not specified**

## Results from Schottky detector

*Monday, 26 April 2010 16:05 (20 minutes)*

**Primary author:** JANSSON, Andreas (Fermilab)

**Presenter:** PASQUINELLI, Ralph (Fermilab)

**Session Classification:** Recent Highlights (plenary)



Contribution ID: 15

Type: **not specified**

## **Crab status and results from CC09**

*Monday, 26 April 2010 16:35 (20 minutes)*

**Primary author:** Dr CALAGA, Rama (BNL)

**Presenter:** Dr CALAGA, Rama (BNL)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 16

Type: **not specified**

## **Model Quadrupoles results and next steps**

*Monday, 26 April 2010 15:45 (20 minutes)*

**Primary author:** Dr CASPI, Shlomo (LBNL)

**Presenter:** Dr CASPI, Shlomo (LBNL)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 17

Type: **not specified**

## **Nb<sub>3</sub>Sn Conductor Status**

*Monday, 26 April 2010 16:55 (20 minutes)*

**Primary author:** Dr GHOSH, Arup (BNL)

**Presenter:** Dr GHOSH, Arup (BNL)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: **18**

Type: **not specified**

## **LLRF model-based commissioning tools and operational insights**

*Monday, 26 April 2010 17:15 (20 minutes)*

**Primary author:** RIVETTA, Claudio (SLAC)

**Presenter:** RIVETTA, Claudio (SLAC)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 19

Type: **not specified**

## Status of Phase II Rotatable Collimator

*Tuesday, 27 April 2010 08:30 (30 minutes)*

**Primary author:** SMITH, Jeff (SLAC)

**Presenter:** SMITH, Jeff (SLAC)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 20

Type: **not specified**

## Study of Tungsten Primary Collimators

*Tuesday, 27 April 2010 09:00 (20 minutes)*

**Primary author:** KELLER, Lew (SLAC)

**Presenter:** KELLER, Lew (SLAC)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 21

Type: **not specified**

## **T980 Crystal Collimation-New Results**

*Tuesday, 27 April 2010 10:00 (20 minutes)*

**Primary author:** Mr STILL, Dean (Tevatron)

**Presenter:** Mr STILL, Dean (Tevatron)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 22

Type: **not specified**

## **T980 Crystal Collimation Plans for 2010-2011**

*Tuesday, 27 April 2010 10:40 (20 minutes)*

**Primary author:** Dr MOKHOV, Nikolai (Fermilab)

**Presenter:** Dr MOKHOV, Nikolai (Fermilab)

**Session Classification:** Accelerator Systems A (parallel)



Contribution ID: 23

Type: **not specified**

## **An Insight into the mechanism for multi-volume reflection**

*Tuesday, 27 April 2010 09:40 (20 minutes)*

**Primary author:** GUIDI, Vincenzo (INFN, Ferrara)

**Presenter:** GUIDI, Vincenzo (INFN, Ferrara)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 24

Type: **not specified**

## UA9 Results and Plans

*Tuesday, 27 April 2010 09:20 (20 minutes)*

**Primary author:** Dr SCANDALE, walter (cern)

**Presenter:** Dr SCANDALE, walter (cern)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 25

Type: **not specified**

## **RHIC Beam-Beam Simulations**

*Tuesday, 27 April 2010 11:00 (20 minutes)*

**Primary author:** KIM, Hyung Jin (Fermi National Accelerator Laboratory)

**Presenter:** KIM, Hyung Jin (Fermi National Accelerator Laboratory)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 26

Type: **not specified**

## **Beam-Beam: Where are we and where are we going?**

*Tuesday, 27 April 2010 11:20 (30 minutes)*

**Primary author:** VALISHEV, Alexander (Fermilab)

**Presenter:** VALISHEV, Alexander (Fermilab)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 27

Type: **not specified**

## Hollow Electron Beam Lens

*Tuesday, 27 April 2010 11:50 (20 minutes)*

**Primary author:** Dr STANCARI, Giulio (Fermilab APC)

**Presenter:** Dr STANCARI, Giulio (Fermilab APC)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 28

Type: **not specified**

## **LLRF Studies at LHC: Models, Anticipated Beam Dynamics and Emittance Effects**

*Tuesday, 27 April 2010 12:10 (20 minutes)*

**Primary author:** RIVETTA, Claudio (SLAC)

**Presenter:** RIVETTA, Claudio (SLAC)

**Session Classification:** Accelerator Systems A (parallel)

Contribution ID: 29

Type: **not specified**

## PS2 Space Charge Simulations

*Tuesday, 27 April 2010 13:30 (20 minutes)*

**Primary author:** QIANG, Ji (LBNL)

**Presenter:** RYNE, Robert (LBNL)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 30

Type: **not specified**

## **PS2 Ecloud & Its Effect on the Beam**

*Tuesday, 27 April 2010 13:50 (20 minutes)*

**Primary author:** FURMAN, Miguel (LBNL)

**Presenter:** FURMAN, Miguel (LBNL)

**Session Classification:** Accelerator Systems B (parallel)



Contribution ID: **31**

Type: **not specified**

## **Impedance and Instability Thresholds in PS2**

*Tuesday, 27 April 2010 14:10 (20 minutes)*

**Primary author:** BANE, Karl (SLAC)

**Presenter:** BANE, Karl (SLAC)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 32

Type: **not specified**

## PS2 Summary, Plans & Outlook

*Tuesday, 27 April 2010 14:30 (20 minutes)*

**Primary author:** Dr WIENANDS, Uli (SLAC)

**Presenter:** Dr WIENANDS, Uli (SLAC)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 33

Type: **not specified**

## **Ecloud and TCMI Feedback for the SPS: Dynamics and Status**

*Tuesday, 27 April 2010 14:50 (20 minutes)*

**Primary author:** FOX, John (SLAC)

**Presenter:** FOX, John (SLAC)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 34

Type: **not specified**

## **LHC Beam-Beam and Crab Simulations**

*Tuesday, 27 April 2010 16:10 (15 minutes)*

**Primary author:** QIANG, Ji (LBNL)

**Presenter:** QIANG, Ji (LBNL)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 35

Type: **not specified**

## Crab SPS Studies

*Tuesday, 27 April 2010 16:25 (10 minutes)*

**Primary author:** KIM, Hyung Jin (Fermi National Accelerator Laboratory)

**Presenter:** KIM, Hyung Jin (Fermi National Accelerator Laboratory)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: **36**

Type: **not specified**

## **Crab Discussion**

*Tuesday, 27 April 2010 16:35 (15 minutes)*

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 37

Type: **not specified**

## HWDR Cavity Progress

*Tuesday, 27 April 2010 16:50 (15 minutes)*

**Primary author:** Mr DELAYEN, Jean (Jefferson Lab)

**Presenter:** Mr DELAYEN, Jean (Jefferson Lab)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: **38**

Type: **not specified**

## **HWSR Cavity Development**

*Tuesday, 27 April 2010 17:05 (10 minutes)*

**Primary author:** LI, Zenghai (SLAC)

**Presenter:** LI, Zenghai (SLAC)

**Session Classification:** Accelerator Systems B (parallel)



Contribution ID: 39

Type: **not specified**

## Phase I Progress of Crab SBIR

*Tuesday, 27 April 2010 17:15 (15 minutes)*

**Presenter:** COLE, Mike (AES)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 40

Type: **not specified**

## **Cavity/Coupler Multipacting and Cryostat Thoughts**

*Tuesday, 27 April 2010 17:30 (15 minutes)*

**Presenter:** Mr YAKOVLEV, Vyacheslav (FNAL)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 41

Type: **not specified**

# **Tune Tracking System for Beam-Beam Transfer Functions**

*Tuesday, 27 April 2010 15:50 (20 minutes)*

**Presenter:** CAMERON, Peter (BNL)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 42

Type: **not specified**

## **Ecloud & TCM I Feedback at the SPS: MD Update & SPS Plans**

*Tuesday, 27 April 2010 15:20 (10 minutes)*

**Presenter:** Dr HOFLE, Wolfgang (CERN)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 43

Type: **not specified**

## **Ecloud & TCM I Feedback at the SPS: Simulations**

*Tuesday, 27 April 2010 15:10 (10 minutes)*

**Presenter:** Dr VAY, Jean-Luc (Lawrence Berkeley National Laboratory)

**Session Classification:** Accelerator Systems B (parallel)

Contribution ID: 44

Type: **not specified**

## **Conductor procurement and qualification**

Contribution ID: 45

Type: **not specified**

## **Conductor procurement and qualification**

Contribution ID: 46

Type: **not specified**

## **Conductor procurement and qualification**



Contribution ID: 47

Type: **not specified**

## **Conductor procurement and qualification**

*Tuesday, 27 April 2010 08:30 (25 minutes)*

**Presenter:** Dr GHOSH, Arup (BNL)

**Session Classification:** Magnet Systems A1 - Materials R&D

Contribution ID: 48

Type: **not specified**

## **Cabling status and R&D plans**

*Tuesday, 27 April 2010 08:55 (25 minutes)*

**Presenter:** DIETDERICH, Dan (LBNL)

**Session Classification:** Magnet Systems A1 - Materials R&D

Contribution ID: 49

Type: **not specified**

## Reaction studies

*Tuesday, 27 April 2010 09:20 (20 minutes)*

**Presenter:** BOCIAN, Dariusz (FNAL)

**Session Classification:** Magnet Systems A1 - Materials R&D

Contribution ID: **50**

Type: **not specified**

## Discussion

*Tuesday, 27 April 2010 09:40 (20 minutes)*

**Session Classification:** Magnet Systems A1 - Materials R&D

Contribution ID: 51

Type: **not specified**

## Introduction

*Tuesday, 27 April 2010 10:30 (5 minutes)*

**Presenter:** AMBROSIO, Giorgio (FNAL TD/MSD)

**Session Classification:** Magnet Systems A2 - Long Quadrupoles

Contribution ID: 52

Type: **not specified**

## **LQS01 Test results**

*Tuesday, 27 April 2010 10:35 (25 minutes)*

**Presenter:** CHLACHIDZE, Guram (FNAL)

**Session Classification:** Magnet Systems A2 - Long Quadrupoles

Contribution ID: 53

Type: **not specified**

## **LQS01 mechanical analysis and LQS01b assembly**

*Tuesday, 27 April 2010 11:00 (25 minutes)*

**Presenter:** FERRACIN, Paolo (LBNL)

**Session Classification:** Magnet Systems A2 - Long Quadrupoles

Contribution ID: 54

Type: **not specified**

## **LQ Quench protection and coil instrumentation**

*Tuesday, 27 April 2010 11:25 (20 minutes)*

**Presenter:** FELICE, Helene (LBNL)

**Session Classification:** Magnet Systems A2 - Long Quadrupoles



Contribution ID: 55

Type: **not specified**

## **LQ Status and plans**

*Tuesday, 27 April 2010 11:45 (15 minutes)*

**Presenter:** AMBROSIO, Giorgio (FNAL TD/MSD)

**Session Classification:** Magnet Systems A2 - Long Quadrupoles

Contribution ID: 56

Type: **not specified**

## Discussion

*Tuesday, 27 April 2010 12:00 (30 minutes)*

**Session Classification:** Magnet Systems A2 - Long Quadrupoles

Contribution ID: 57

Type: **not specified**

## Overview

*Tuesday, 27 April 2010 13:30 (20 minutes)*

**Presenter:** Dr CASPI, Shlomo (LBNL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles

Contribution ID: 58

Type: **not specified**

## Fermilab program results and next steps

*Tuesday, 27 April 2010 13:50 (25 minutes)*

**Presenter:** CHLACHIDZE, Guram (FNAL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles

Contribution ID: 59

Type: **not specified**

## HQ progress and plans

*Tuesday, 27 April 2010 14:15 (30 minutes)*

**Presenter:** FELICE, Helene (LBNL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles

Contribution ID: 60

Type: **not specified**

## **HQ coil fabrication experience at BNL**

*Tuesday, 27 April 2010 14:45 (15 minutes)*

**Presenter:** ANERELLA, Mike (BNL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles

Contribution ID: **61**

Type: **not specified**

## **Accelerator integration**

*Tuesday, 27 April 2010 15:00 (15 minutes)*

**Presenter:** ANERELLA, Mike (BNL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles

Contribution ID: 62

Type: **not specified**

## Summary and Discussion

*Tuesday, 27 April 2010 15:15 (15 minutes)*

**Presenter:** Dr CASPI, Shlomo (LBNL)

**Session Classification:** Magnet Systems B1 - Model Quadrupoles



Contribution ID: 63

Type: **not specified**

## **CERN program and collaboration opportunities**

*Tuesday, 27 April 2010 16:00 (25 minutes)*

**Presenter:** TODESCO, Ezio (CERN)

**Session Classification:** Magnet Systems B2 - Future Plans

Contribution ID: 64

Type: **not specified**

## Thermal design studies

*Tuesday, 27 April 2010 16:25 (15 minutes)*

**Presenter:** BOCIAN, Dariusz (FNAL)

**Session Classification:** Magnet Systems B2 - Future Plans

Contribution ID: 65

Type: **not specified**

## Scale-up to 6 m long magnets

*Tuesday, 27 April 2010 16:40 (20 minutes)*

**Presenter:** AMBROSIO, Giorgio (FNAL TD/MSD)

**Session Classification:** Magnet Systems B2 - Future Plans

Contribution ID: 66

Type: **not specified**

## **Budget and schedule updates**

*Tuesday, 27 April 2010 17:00 (30 minutes)*

**Presenter:** Dr SABBI, GianLuca (LBNL)

**Session Classification:** Magnet Systems B2 - Future Plans

Contribution ID: 67

Type: **not specified**

## Discussion

*Tuesday, 27 April 2010 17:30 (20 minutes)*

**Session Classification:** Magnet Systems B2 - Future Plans

Contribution ID: **68**

Type: **not specified**

## Discussion of future plans

*Wednesday, 28 April 2010 10:55 (45 minutes)*

**Primary author:** Dr PREBYS, Eric (Fermilab)

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** Closing Discussions (plenary)

Contribution ID: 69

Type: **not specified**

## **CERN Strategy for Crab Cavities**

*Monday, 26 April 2010 16:25 (10 minutes)*

**Presenter:** CIAPALA, Edmond (CERN)

**Session Classification:** Recent Highlights (plenary)

Contribution ID: 70

Type: **not specified**

## **LTV Program**

*Wednesday, 28 April 2010 09:40 (20 minutes)*

**Primary author:** Dr WIENANDS, Uli (SLAC)

**Presenter:** Dr WIENANDS, Uli (SLAC)

**Session Classification:** Closing Discussions (plenary)



Contribution ID: 71

Type: **not specified**

## Highlights of AS parallel sessions

*Wednesday, 28 April 2010 10:15 (20 minutes)*

**Primary author:** MARKIEWICZ, Thomas (SLAC)

**Presenter:** MARKIEWICZ, Thomas (SLAC)

**Session Classification:** Closing Discussions (plenary)

Contribution ID: 72

Type: **not specified**

## **Highlights of MS parallel sessions**

*Wednesday, 28 April 2010 10:35 (20 minutes)*

**Presenter:** Dr SABBI, GianLuca (LBNL)

**Session Classification:** Closing Discussions (plenary)