

# **LET Beam Dynamics Workshop at SLAC**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Beam dynamics issues in RTML**

*Tuesday 11 December 2007 09:00 (20 minutes)*

**Presenter:** Dr SOLYAK, Nikolay (FNAL)

**Session Classification:** Identify Critical/Urgent issues (Chair: D.Schulte)

Contribution ID: 1

Type: **not specified**

## **Beam dynamics issues in Main Linac**

*Tuesday 11 December 2007 09:20 (20 minutes)*

**Presenter:** ADOLPHSEN, Chris (SLAC)

**Session Classification:** Identify Critical/Urgent issues (Chair: D.Schulte)

Contribution ID: 2

Type: **not specified**

## **Beam dynamics issues in BDS (phone)**

*Tuesday 11 December 2007 08:40 (20 minutes)*

**Presenter:** Mrs ANGAL-KALININ, Deepa (CCLRC Daresbury)

**Session Classification:** Identify Critical/Urgent issues (Chair: D.Schulte)

Contribution ID: 3

Type: **not specified**

## **Organization of Beam dynamics works (preparation for Thursday afternoon session)**

*Tuesday 11 December 2007 09:40 (15 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Identify Critical/Urgent issues (Chair: D.Schulte)

Contribution ID: 4

Type: **not specified**

## **Review of the "Information for simulation" session at FNAL Meeting**

*Tuesday 11 December 2007 10:30 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Models of hardware, etc. (Chair: P.Lebrun)

Contribution ID: 5

Type: **not specified**

## **Laser Wire model, Laser Wire in Main Linac**

*Tuesday 11 December 2007 10:50 (20 minutes)*

**Presenter:** Dr BLAIR, Grahame (Royal Holloway)

**Session Classification:** Models of hardware, etc. (Chair: P.Lebrun)

Contribution ID: 7

Type: **not specified**

## **Ground motion and vibration model**

*Tuesday 11 December 2007 11:10 (20 minutes)*

**Presenters:** Dr KRUECKER, Dirk (DESY); LEBRUN, Paul L. G. (Fermilab)

**Session Classification:** Models of hardware, etc. (Chair: P.Lebrun)



Contribution ID: 8

Type: **not specified**

## Alignment model

*Tuesday 11 December 2007 11:30 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Models of hardware, etc. (Chair: P.Lebrun)

Contribution ID: 9

Type: **not specified**

## RF error model

*Tuesday 11 December 2007 13:30 (20 minutes)*

**Presenter:** SCHULTE, Daniel (CERN)

**Session Classification:** Models of hardware, etc., Lattice design (Chair: K.Kubo)

Contribution ID: **10**

Type: **not specified**

## **Status of the EDR lattices and near term goals**

*Tuesday 11 December 2007 14:30 (30 minutes)*

**Presenters:** WOODLEY, Mark (SLAC); Dr TENENBAUM, Peter (SLAC)

**Session Classification:** Models of hardware, etc., Lattice design (Chair: K.Kubo)

Contribution ID: 11

Type: **not specified**

## **Possible migration to Accelerator Makeup Language**

*Tuesday 11 December 2007 15:00 (30 minutes)*

**Presenter:** Dr TENENBAUM, Peter (SLAC)

**Session Classification:** Models of hardware, etc., Lattice design (Chair: K.Kubo)

Contribution ID: 12

Type: **not specified**

## **BPM models, Magnet models (presentations/discussions)**

*Tuesday 11 December 2007 13:50 (40 minutes)*

**Session Classification:** Models of hardware, etc., Lattice design (Chair: K.Kubo)

Contribution ID: 13

Type: **not specified**

## **Review of RTML tuning studies**

*Tuesday 11 December 2007 16:00 (30 minutes)*

**Presenter:** Mr SMITH, Jeffrey (SLAC)

**Session Classification:** RTML (Chair: D.Schulte)

Contribution ID: 14

Type: **not specified**

## **Status of RTML studies using Lucretia**

*Tuesday 11 December 2007 16:30 (20 minutes)*

**Presenter:** Mr MOLLOY, Stephen (SLAC)

**Session Classification:** RTML (Chair: D.Schulte)

Contribution ID: 15

Type: **not specified**

## **Update of Bunch Compressor DFS studies**

*Tuesday 11 December 2007 16:50 (15 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** RTML (Chair: D.Schulte)



Contribution ID: 16

Type: **not specified**

## **Alternative short bunch compressors**

*Tuesday 11 December 2007 17:05 (20 minutes)*

**Presenter:** Prof. KIM, Eun-San (Kyungpook National Univ.)

**Session Classification:** RTML (Chair: D.Schulte)

Contribution ID: 17

Type: **not specified**

## **HeLiCal spin dynamics simulations, status and plans**

*Wednesday 12 December 2007 08:30 (30 minutes)*

**Presenter:** TONY HARTIN

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: **18**

Type: **not specified**

## **Main Linac simulation, revisit and update**

*Wednesday 12 December 2007 09:00 (30 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: **19**

Type: **not specified**

## **Main Linac simulations**

*Wednesday 12 December 2007 09:30 (30 minutes)*

**Presenter:** Dr LATINA, Andrea (CERN)

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: 20

Type: **not specified**

## **BDS tuning simulation**

*Wednesday 12 December 2007 13:30 (30 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)

Contribution ID: **21**

Type: **not specified**

## **Start to End simulations with intra-train feedback**

*Wednesday 12 December 2007 14:30 (30 minutes)*

**Presenter:** Dr RESTA LOPEZ, Javier (JAI, Oxford University)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)

Contribution ID: 22

Type: **not specified**

## **Luminosity performance with multiple feedbacks**

*Wednesday 12 December 2007 15:30 (30 minutes)*

**Presenter:** TONY HARTIN

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)

Contribution ID: 23

Type: **not specified**

## **Lucretia status and plans**

*Wednesday 12 December 2007 16:00 (30 minutes)*

**Presenter:** Dr TENENBAUM, Peter (SLAC)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)



Contribution ID: 24

Type: **not specified**

## DFS with dynamic effects

*Wednesday 12 December 2007 10:30 (30 minutes)*

**Presenter:** Dr POIRIER, Freddy (DESY)

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: 25

Type: **not specified**

## Orthogonal bumps studies for Main Linac

*Wednesday 12 December 2007 11:00 (30 minutes)*

**Presenter:** Dr SOLYAK, Nikolay (FNAL)

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: 26

Type: **not specified**

## **Adaptive alignment for Main Linac**

*Wednesday 12 December 2007 11:30 (30 minutes)*

**Presenters:** Dr SOLYAK, Nikolay (FNAL); IVANOV, V. (FNAL)

**Session Classification:** Spin dynamics, Main Linac (Chair before break: P.Lebrun, after break: K.Kubo)

Contribution ID: 27

Type: **not specified**

## **Beam dynamics simulations and wakefield in Main Linac**

*Thursday 13 December 2007 10:30 (30 minutes)*

**Presenter:** JONES, Roger

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: 28

Type: **not specified**

## **Interfacing BDSIM with PLACET, wakefield calculations of collimator**

*Thursday 13 December 2007 09:40 (20 minutes)*

**Presenter:** Dr MALTON, Steve (RHUL)

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: 29

Type: **not specified**

## **Issues in Simulating the Effects of Wakefields**

*Thursday 13 December 2007 09:20 (20 minutes)*

**Presenter:** BARLOW, Roger

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: **30**

Type: **not specified**

## **review report from wakefield workshop**

*Thursday 13 December 2007 08:30 (50 minutes)*

**Presenters:** Dr NG, Cho (SLAC); YAKOVLEV, Slava (FNAL)

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: **31**

Type: **not specified**

## **Hardware models, RTML Summary**

*Thursday 13 December 2007 13:30 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Summary and for Future plans (Chair: D.Schulte)



Contribution ID: 32

Type: **not specified**

## **Spin, Main Linac Summary**

*Thursday 13 December 2007 13:50 (20 minutes)*

**Presenter:** LEBRUN, Paul L. G. (Fermilab)

**Session Classification:** Summary and for Future plans (Chair: D.Schulte)

Contribution ID: 33

Type: **not specified**

## **BDS, Start to End Simulation, simulation codes Summary**

*Thursday 13 December 2007 14:10 (20 minutes)*

**Presenter:** SCHULTE, Daniel (CERN)

**Session Classification:** Summary and for Future plans (Chair: D.Schulte)

Contribution ID: 34

Type: **not specified**

## **Work organization, future plans**

*Thursday 13 December 2007 14:30 (1h 30m)*

**Presenter:** ALL

**Session Classification:** Summary and for Future plans (Chair: D.Schulte)

Contribution ID: 35

Type: **not specified**

## Merlin Simulations with Coupler Kicks

*Thursday 13 December 2007 11:00 (30 minutes)*

**Presenter:** Dr KRUECKER, Dirk (DESY)

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: 36

Type: **not specified**

## **Lumi scans with wakefields in Merlin**

*Thursday 13 December 2007 11:30 (20 minutes)*

**Presenter:** MELZER-PELLMANN, Isabell (DESY)

**Session Classification:** Joint with Wakefield Workshop (Chair before break: K.Kubo, after break: TBC)

Contribution ID: 37

Type: **not specified**

## **PLACET : New features and plans**

*Wednesday 12 December 2007 16:30 (30 minutes)*

**Presenter:** Dr LATINA, Andrea (CERN)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)

Contribution ID: **38**

Type: **not specified**

## Opening

*Tuesday 11 December 2007 08:30 (10 minutes)*

**Session Classification:** Identify Critical/Urgent issues (Chair: D.Schulte)

Contribution ID: 39

Type: **not specified**

## **Static and Dynamic Alignment of the CLIC BDS**

*Wednesday 12 December 2007 14:00 (30 minutes)*

**Presenter:** Dr LATINA, Andrea (CERN)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)



Contribution ID: 40

Type: **not specified**

## **CHEF status and plan**

*Wednesday 12 December 2007 17:00 (20 minutes)*

**Presenter:** LEBRUN, Paul L. G. (Fermilab)

**Session Classification:** BDS, Feedbacks, Start to End simulations, Simulation codes (Chair before break: D.Schulte, after break: P.Lebrun)