

ILC Damping Rings Workshop (ILCDR06)



Report of Contributions

Contribution ID: 0

Type: **not specified**

How parameters drive the kickers and septa

Primary author: Dr MATTISON, Thomas (UBC)

Contribution ID: 1

Type: **not specified**

How parameters drive the kickers and septa

Tuesday, 26 September 2006 09:10 (15 minutes)

Presenter: Dr MATTISON, Thomas (UBC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 2

Type: **not specified**

Baseline injection/extraction configuration

Tuesday, 26 September 2006 09:40 (20 minutes)

Primary authors: Dr XIAO, Aimin (ANL); Dr EMERY, Louis (ANL)

Presenter: Dr EMERY, Louis (ANL)

Session Classification: Injection/Extraction Kickers

Contribution ID: 3

Type: **not specified**

Alternative injection/extraction configuration

Tuesday, 26 September 2006 10:00 (10 minutes)

Primary author: Dr MATTISON, Thomas (UBC)

Presenter: Dr MATTISON, Thomas (UBC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 4

Type: **not specified**

RF-separated bypass

Tuesday, 26 September 2006 10:10 (20 minutes)

Primary author: Dr RUBIN, David (Cornell)

Presenter: Dr RUBIN, David (Cornell)

Session Classification: Injection/Extraction Kickers

Contribution ID: 5

Type: **not specified**

Discussion

Contribution ID: 6

Type: **not specified**

Kicker R&D at Frascati

Tuesday, 26 September 2006 14:45 (45 minutes)

Primary author: Dr MARCELLINI, Fabio (INFN-LNF)

Presenter: Dr MARCELLINI, Fabio (INFN-LNF)

Session Classification: Injection/Extraction Kickers

Contribution ID: 7

Type: **not specified**

Inductive adder pulser

Tuesday, 26 September 2006 11:45 (45 minutes)

Primary author: Dr BURKHART, Craig (SLAC)

Presenter: Dr BURKHART, Craig (SLAC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 8

Type: **not specified**

Development of a fast high-power pulser and ILC DR injection/extraction kicker

Tuesday, 26 September 2006 14:00 (45 minutes)

Primary author: Dr KRASNYKH, Anatoly (SLAC)

Presenter: Dr BURKHART, Craig (SLAC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 9

Type: **not specified**

Kicker R&D at Cornell/UIUC/FNAL

Tuesday, 26 September 2006 16:45 (45 minutes)

Primary author: Dr MELLER, Robert (Cornell)

Presenter: Dr MELLER, Robert (Cornell)

Session Classification: Injection/Extraction Kickers

Contribution ID: 10

Type: **not specified**

Experiments with fast pulsers at ATF; and plans for fast extraction kicker for ATF2

Tuesday, 26 September 2006 16:00 (45 minutes)

Primary author: Prof. URAKAWA, Junji (KEK)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Injection/Extraction Kickers

Contribution ID: 11

Type: **not specified**

Kicker R&D at LBNL

Tuesday, 26 September 2006 17:30 (30 minutes)

Primary author: Dr DE SANTIS, Stefano (LBNL)

Presenter: Dr DE SANTIS, Stefano (LBNL)

Session Classification: Injection/Extraction Kickers

Contribution ID: 12

Type: **not specified**

Kicker R&D at TRIUMF

Primary author: Dr MATTISON, Thomas (UBC)

Presenter: Dr MATTISON, Thomas (UBC)

Contribution ID: 13

Type: **not specified**

Plans for SLAC/LLNL

Wednesday, 27 September 2006 09:00 (30 minutes)

Primary author: Dr BURKHART, Craig (SLAC)

Presenter: Dr BURKHART, Craig (SLAC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 14

Type: **not specified**

Plans for UIUC/FNAL/Cornell

Wednesday, 27 September 2006 09:30 (30 minutes)

Primary author: Dr GOLLIN, George (UIUC)

Presenter: Dr GOLLIN, George (UIUC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 15

Type: **not specified**

Plans for KEK/ATF

Wednesday, 27 September 2006 10:00 (30 minutes)

Primary author: Prof. URAKAWA, Junji (KEK)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Injection/Extraction Kickers

Contribution ID: **16**

Type: **not specified**

Plans for LNF

Wednesday, 27 September 2006 11:00 (30 minutes)

Primary author: Dr MARCELLINI, Fabio (INFN-LNF)

Presenter: Dr MARCELLINI, Fabio (INFN-LNF)

Session Classification: Injection/Extraction Kickers

Contribution ID: 17

Type: **not specified**

Plans for SLAC (DSRD)

Wednesday, 27 September 2006 11:30 (30 minutes)

Primary author: Dr KRASNYKH, Anatoly (SLAC)

Presenter: Dr BURKHART, Craig (SLAC)

Session Classification: Injection/Extraction Kickers

Contribution ID: **18**

Type: **not specified**

Kicker R&D at TRIUMF and other possible technologies

Wednesday, 27 September 2006 12:00 (30 minutes)

Primary author: Dr MATTISON, Thomas (UBC)

Presenter: Dr MATTISON, Thomas (UBC)

Session Classification: Injection/Extraction Kickers

Contribution ID: 19

Type: **not specified**

Electron cloud studies at SLAC

Tuesday, 26 September 2006 17:00 (30 minutes)

Primary author: Dr PIVI, Mauro (SLAC)

Presenter: Dr PIVI, Mauro (SLAC)

Session Classification: Electron Cloud

Contribution ID: **21**

Type: **not specified**

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Presenter: Dr HARKAY, Kathy (ANL)

Contribution ID: 22

Type: **not specified**

Capability of WARP-POSINST for ILC electron cloud calculations

Wednesday, 27 September 2006 09:00 (30 minutes)

Primary author: Dr CELATA, Christine (LBNL)

Presenter: Dr CELATA, Christine (LBNL)

Session Classification: Electron Cloud

Contribution ID: 23

Type: **not specified**

Summary of CERN e-cloud activity for ILC

Wednesday, 27 September 2006 09:30 (30 minutes)

Primary author: Dr RUMOLO, Giovanni (CERN)

Presenter: Dr RUMOLO, Giovanni (CERN)

Session Classification: Electron Cloud

Contribution ID: 24

Type: **not specified**

Wake field generated by a train of bunches in an electron cloud

Wednesday, 27 September 2006 10:00 (30 minutes)

Primary author: Dr SCHACHTER, Levi (Cornell)

Presenter: Dr SCHACHTER, Levi (Cornell)

Session Classification: Electron Cloud

Contribution ID: 25

Type: **not specified**

Electron cloud instability experiments at KEKB

Wednesday, 27 September 2006 11:00 (30 minutes)

Primary author: Dr SUETSUGU, Yusuke (KEK)

Presenter: Dr SUETSUGU, Yusuke (KEK)

Session Classification: Electron Cloud

Contribution ID: 26

Type: **not specified**

Recent electron cloud studies at CESR

Wednesday, 27 September 2006 11:30 (30 minutes)

Primary author: Dr RICE, David (Cornell)

Presenter: Dr RICE, David (Cornell)

Session Classification: Electron Cloud

Contribution ID: 27

Type: **not specified**

Sideband measurements and simulations as evidence of e-cloud induced head-tail instability

Wednesday, 27 September 2006 12:00 (30 minutes)

Primary author: Dr OHMI, Kazuhito (KEK)

Presenter: Dr OHMI, Kazuhito (KEK)

Session Classification: Electron Cloud

Contribution ID: 28

Type: **not specified**

Electron cloud in wigglers

Wednesday, 27 September 2006 14:00 (30 minutes)

Primary author: Dr WANG, Lanfa (SLAC)

Presenter: Dr WANG, Lanfa (SLAC)

Session Classification: Electron Cloud

Contribution ID: 29

Type: **not specified**

Fast ion instability studies at ATF

Wednesday, 27 September 2006 15:00 (30 minutes)

Primary author: Prof. URAKAWA, Junji (KEK)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Electron Cloud

Contribution ID: 31

Type: **not specified**

Bunch length measurements; and development of microwave detector for microwave instability experiments at ATF

Tuesday, 26 September 2006 11:00 (45 minutes)

Primary author: Prof. URAKAWA, Junji (KEK)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: **32**

Type: **not specified**

New structure for a collimator with low impedance

Tuesday, 26 September 2006 14:00 (30 minutes)

Primary author: Dr SUETSUGU, Yusuke (KEK)

Presenter: Dr SUETSUGU, Yusuke (KEK)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 33

Type: **not specified**

Vlasov methods to calculate instability thresholds

Tuesday, 26 September 2006 14:30 (30 minutes)

Primary author: Dr VENTURINI, Marco (LBNL)

Presenter: Dr VENTURINI, Marco (LBNL)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: **34**

Type: **not specified**

A new solver for microwave instability

Tuesday, 26 September 2006 11:45 (30 minutes)

Primary author: STUPAKOV, Gennady (SLAC)

Presenter: STUPAKOV, Gennady (SLAC)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 35

Type: **not specified**

Simulations of coupled-bunch instability from resistive-wall and HOMs in ILC DRs

Tuesday, 26 September 2006 16:30 (30 minutes)

Primary author: Dr WANG, Lanfa (SLAC)

Presenter: Dr WANG, Lanfa (SLAC)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: **36**

Type: **not specified**

Joint e-cloud and impedance discussion

Contribution ID: 37

Type: **not specified**

Joint impedance and kickers discussion

Wednesday, 27 September 2006 14:00 (45 minutes)

Session Classification: Injection/Extraction Kickers and Impedance Joint Session

Contribution ID: **38**

Type: **not specified**

Joint e-cloud and kickers discussion

Contribution ID: 39

Type: **not specified**

Discussion: Operational experience with kickers

Wednesday, 27 September 2006 14:45 (45 minutes)

Session Classification: Injection/Extraction Kickers

Contribution ID: 40

Type: **not specified**

Introduction: Damping Rings R&D Status

Tuesday, 26 September 2006 08:30 (30 minutes)

Primary author: Dr WOLSKI, Andrzej (LBNL)

Presenter: Dr WOLSKI, Andrzej (LBNL)

Session Classification: Opening Plenary Session

Contribution ID: 41

Type: **not specified**

CesrTF

Wednesday, 27 September 2006 16:00 (45 minutes)

Primary author: Dr PALMER, Mark (Cornell University LEPP)

Presenter: Dr PALMER, Mark (Cornell University LEPP)

Session Classification: Test Facilities Plenary

Contribution ID: 42

Type: **not specified**

HERA-DR

Wednesday, 27 September 2006 16:45 (45 minutes)

Primary author: Dr WILLEKE, Ferdinand (DESY)

Presenter: Dr WILLEKE, Ferdinand (DESY)

Session Classification: Test Facilities Plenary

Contribution ID: 43

Type: **not specified**

Discussion

Wednesday, 27 September 2006 17:30 (30 minutes)

Session Classification: Test Facilities Plenary

Contribution ID: 44

Type: **not specified**

Tracking code for microwave instability

Tuesday, 26 September 2006 12:15 (15 minutes)

Primary author: Dr HEIFETS, Sam (SLAC)

Presenter: STUPAKOV, Gennady (SLAC)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 45

Type: **not specified**

Multiparticle tracking as a tool for studying microwave instability

Tuesday, 26 September 2006 15:00 (30 minutes)

Primary author: Dr BANE, Karl (SLAC)

Presenter: Dr BANE, Karl (SLAC)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 46

Type: **not specified**

Advance modeling of damping rings vacuum chamber components

Tuesday, 26 September 2006 16:00 (30 minutes)

Primary author: Dr NG, Cho (SLAC)

Presenter: Dr NG, Cho (SLAC)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 47

Type: **not specified**

Clearing electrode measurements and simulations

Wednesday, 27 September 2006 14:30 (30 minutes)

Primary author: Dr MOLVIK, Art (LBNL)

Presenter: Dr MOLVIK, Art (LBNL)

Session Classification: Electron Cloud

Contribution ID: 48

Type: **not specified**

FID Pulsers

Tuesday, 26 September 2006 11:00 (45 minutes)

Primary author: Dr EFANOV, Vladimir (FID Technology)

Presenter: Dr EFANOV, Vladimir (FID Technology)

Session Classification: Injection/Extraction Kickers

Contribution ID: 50

Type: **not specified**

Injection, extraction and abort line optics

Tuesday, 26 September 2006 09:25 (15 minutes)

Primary author: Dr REICHEL, Ina (LBNL)

Presenter: Dr REICHEL, Ina (LBNL)

Session Classification: Injection/Extraction Kickers

Contribution ID: 51

Type: **not specified**

Integrated Modeling of Damping Rings

Primary author: Dr BORLAND, Michael (ANL)

Contribution ID: 52

Type: **not specified**

Integrated Modeling of Damping Rings

Tuesday, 26 September 2006 09:10 (20 minutes)

Primary author: Dr BORLAND, Michael (ANL)

Presenter: Dr BORLAND, Michael (ANL)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 53

Type: **not specified**

Impedance and Instabilities at the APS storage ring

Tuesday, 26 September 2006 09:30 (20 minutes)

Kathy Harkay

Primary author: Dr HARKAY, Kathy (ANL)

Presenter: Dr HARKAY, Kathy (ANL)

Session Classification: Impedance and Impedance-Driven Instabilities

Contribution ID: 54

Type: **not specified**

Electron cloud generation and trapping in PSR quadrapole

Tuesday, 26 September 2006 17:30 (30 minutes)

Primary author: Dr MACEK, Bob (LANL)

Presenter: Dr MACEK, Bob (LANL)

Session Classification: Electron Cloud

Contribution ID: 55

Type: **not specified**

Discussions on e-cloud R&D plan

Thursday, 28 September 2006 11:00 (30 minutes)

Primary author: Dr PIVI, Mauro (SLAC)

Presenter: Dr PIVI, Mauro (SLAC)

Session Classification: Closing Plenary Session

Contribution ID: 56

Type: **not specified**

Discussions on fast kickers R&D plan

Thursday, 28 September 2006 11:30 (30 minutes)

Primary author: Dr ZISMAN, Michael (LBNL)

Presenter: Dr ZISMAN, Michael (LBNL)

Session Classification: Closing Plenary Session

Contribution ID: 57

Type: **not specified**

Discussions on impedance R&D plan

Thursday, 28 September 2006 12:00 (30 minutes)

Primary author: Dr WOLSKI, Andrzej (LBNL)

Presenter: Dr WOLSKI, Andrzej (LBNL)

Session Classification: Closing Plenary Session

Contribution ID: 58

Type: **not specified**

Utilization of KEKB for ILC R&D

Thursday, 28 September 2006 09:00 (30 minutes)

Primary author: Dr SUETSUGU, Yusuke (KEK)

Presenter: Dr SUETSUGU, Yusuke (KEK)

Session Classification: Test Facilities Plenary (continued)