

IRENG'07

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday, 17 September 2007 09:00 (10 minutes)

Presenter: Prof. RAUBENHEIMER, Tor (SLAC)

Session Classification: Plenary

Contribution ID: 1

Type: **not specified**

Goals and Introduction

Monday, 17 September 2007 09:20 (30 minutes)

Presenter: Dr SERYI, Andrei (SLAC)

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

GLD Concept

Monday, 17 September 2007 09:50 (30 minutes)

Presenter: Dr TAUCHI, Toshiaki (KEK)

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

LDC Concept

Monday, 17 September 2007 10:20 (30 minutes)

Presenter: Mr MEYNER, Norbert (DESY)

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

Coffee break

Monday, 17 September 2007 10:50 (20 minutes)

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

SiD Concept

Monday, 17 September 2007 11:10 (30 minutes)

Presenter: KREMPETZ, Kurt (Fermilab)

Session Classification: Plenary

Contribution ID: 9

Type: **not specified**

4th Concept

Monday, 17 September 2007 11:40 (30 minutes)

Presenter: Prof. HAUPTMAN, John (Iowa State)

Session Classification: Plenary

Contribution ID: 11

Type: **not specified**

FD magnetic design & connection model

Monday, 17 September 2007 13:45 (30 minutes)

Presenter: Dr PARKER, Brett (BNL)

Session Classification: Plenary

Contribution ID: 12

Type: **not specified**

Civil Engineering Works for the Interaction Region

Monday, 17 September 2007 14:45 (30 minutes)

Presenter: OSBORNE, John Andrew (CERN)

Session Classification: Plenary

Contribution ID: 13

Type: **not specified**

Overall IR cryogenic system, overview

Monday, 17 September 2007 15:15 (30 minutes)

Presenter: Dr WEISEND II, John (SLAC)

Session Classification: Plenary

Contribution ID: 14

Type: **not specified**

Coffee break

Monday, 17 September 2007 15:45 (20 minutes)

Session Classification: Plenary

Contribution ID: 15

Type: **not specified**

Various possibilities for dispositions in experimental area

Monday, 17 September 2007 14:15 (30 minutes)

Presenter: HERVE, Alain (CERN)

Session Classification: Plenary

Contribution ID: 16

Type: **not specified**

Utilities requirements, introduction & discussion

Monday, 17 September 2007 16:35 (30 minutes)

Presenter: LACKOWSKI, Tom (FNAL)

Session Classification: Plenary

Contribution ID: 17

Type: **not specified**

Integrated design for ILC Detector Services

Monday, 17 September 2007 17:05 (30 minutes)

Presenter: GADDI, Andrea (CERN)

Session Classification: Plenary

Contribution ID: **18**

Type: **not specified**

Life safety constraints and requirements

Tuesday, 18 September 2007 09:00 (30 minutes)

Presenter: Dr ENOMOTO, atsushi (KEK)

Session Classification: Plenary

Contribution ID: 19

Type: **not specified**

Seismic requirements

Tuesday, 18 September 2007 09:30 (30 minutes)

Presenter: Mr ASIRI, Fred (SLAC)

Session Classification: Plenary

Contribution ID: 20

Type: **not specified**

ILC detector maintenance needs

Tuesday, 18 September 2007 10:00 (30 minutes)

Presenter: Dr SETTLES, Ron (Max-Planck-Institut fuer Physik)

Session Classification: Plenary

Contribution ID: 21

Type: **not specified**

Coffee break Group photo at top entrance of Kavli

Tuesday, 18 September 2007 10:30 (20 minutes)

Session Classification: Plenary

Contribution ID: 22

Type: **not specified**

Heavy lifting at CMS

Tuesday, 18 September 2007 10:50 (30 minutes)

Presenter: GERWIG, Hubert (CERN)

Session Classification: Plenary

Contribution ID: 23

Type: **not specified**

Endcap design in CMS

Tuesday, 18 September 2007 11:20 (30 minutes)

Presenter: Mr FEYZI, Farshid (Physical Sciences Laboratory, UW-Madison)

Session Classification: Plenary

Contribution ID: 24

Type: **not specified**

IR platform, rollers, deformations

Tuesday, 18 September 2007 11:50 (30 minutes)

Presenter: AMANN, John (SLAC)

Session Classification: Plenary

Contribution ID: 25

Type: **not specified**

IR vacuum system concept

Wednesday, 19 September 2007 09:20 (20 minutes)

Presenter: Dr SUETSUGU, Yusuke (KEK)

Session Classification: Parallel Wg B+D

Contribution ID: 26

Type: **not specified**

Vacuum system for IR

Wednesday, 19 September 2007 09:40 (20 minutes)

Presenters: Mr COLLOMB, Norbert (STFC); Dr MALYSHEV, Oleg (ASTeC, STFC Daresbury Laboratory, UK)

Session Classification: Parallel Wg B+D

Contribution ID: 27

Type: **not specified**

Vacuum requirements

Wednesday, 19 September 2007 09:00 (20 minutes)

Presenter: KELLER, Lewis (SLAC)

Session Classification: Parallel Wg B+D

Contribution ID: 28

Type: **not specified**

Final Doublet engineering design

Wednesday, 19 September 2007 10:00 (30 minutes)

Presenter: MARONE, Andrew (BNL)

Session Classification: Parallel Wg B+D

Contribution ID: 29

Type: **not specified**

Coffee break

Wednesday, 19 September 2007 10:30 (20 minutes)

Session Classification: Parallel Wg B+D

Contribution ID: 31

Type: **not specified**

Feedback hardware engineering

Wednesday, 19 September 2007 10:50 (20 minutes)

Presenter: Prof. BURROWS, Philip (Oxford University)

Session Classification: Parallel Wg B+D

Contribution ID: 32

Type: **not specified**

IR wake fields and HOM absorbers

Wednesday, 19 September 2007 11:10 (20 minutes)

Presenter: Dr NOVOKHATSKI, Alexander (SLAC Physicist)

Session Classification: Parallel Wg B+D

Contribution ID: 33

Type: **not specified**

Simulations of RF fields in IR region

Wednesday, 19 September 2007 11:30 (20 minutes)

Presenter: Dr PEI, Shilun (SLAC)

Session Classification: Parallel Wg B+D

Contribution ID: 34

Type: **not specified**

EMI measurements

Wednesday, 19 September 2007 12:00 (20 minutes)

Presenter: Dr SINEV, Nick (University of Oregon)

Session Classification: Parallel Wg B+D

Contribution ID: 35

Type: **not specified**

Neutron and photon backscattering from the Beam dump

Tuesday, 18 September 2007 13:30 (20 minutes)

Presenter: Dr MARUYAMA, Takashi (SLAC)

Session Classification: Parallel Wg D

Contribution ID: **36**

Type: **not specified**

Synchrotron photons in ILC IR and PEP-II

Tuesday, 18 September 2007 13:50 (20 minutes)

Presenter: SULLIVAN, Michael (SLAC)

Session Classification: Parallel Wg D

Contribution ID: 37

Type: **not specified**

Study of collimation depths for different L* designs

Tuesday, 18 September 2007 14:10 (20 minutes)

Presenter: JACKSON, Frank (CCLRC, Daresbury Laboratory)

Session Classification: Parallel Wg D

Contribution ID: **38**

Type: **not specified**

Studies at SLAC's ESA of the transverse kicks due to collimator wakefields

Tuesday, 18 September 2007 14:30 (20 minutes)

Presenter: Mr MOLLOY, Stephen (SLAC)

Session Classification: Parallel Wg D

Contribution ID: 39

Type: **not specified**

2mad scheme IR region and extraction line

Tuesday, 18 September 2007 14:50 (20 minutes)

Presenter: Dr APPLEBY, Rob (University of Manchester)

Session Classification: Parallel Wg D

Contribution ID: 40

Type: **not specified**

Backscattering of photons into the ILC Detectors from Beam Losses Along the Extraction Lines

Tuesday, 18 September 2007 15:30 (20 minutes)

Presenter: Dr DADOUN, olivier (lal orsay)

Session Classification: Parallel Wg D

Contribution ID: 41

Type: **not specified**

Overview of extraction line designs and all issues

Tuesday, 18 September 2007 15:10 (20 minutes)

Presenter: NOSOCHKOV, Yuri (SLAC)

Session Classification: Parallel Wg D

Contribution ID: 42

Type: **not specified**

Muon shielding options for ILC BDS

Tuesday, 18 September 2007 16:20 (20 minutes)

Presenter: Dr NAKAO, Noriaki (Fermilab)

Session Classification: Parallel Wg D

Contribution ID: 43

Type: **not specified**

IR padiation physics criteria discussion

Tuesday, 18 September 2007 16:40 (20 minutes)

Presenters: SANTANA, Mario (SLAC); Dr SANAMI, Toshiya (SLAC)

Session Classification: Parallel Wg D

Contribution ID: 44

Type: **not specified**

Stability criteria from accelerator physics view

Wednesday, 19 September 2007 13:30 (20 minutes)

Presenter: Dr WHITE, Glen (SLAC)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 45

Type: **not specified**

Magnetic field requirements

Tuesday, 18 September 2007 17:00 (20 minutes)

Presenter: Dr SELETSKIY, Sergei (ILC)

Session Classification: Parallel Wg D

Contribution ID: 46

Type: **not specified**

CFS & other needs to make 14mr compatible with gamma-gamma

Tuesday, 18 September 2007 17:20 (20 minutes)

Presenters: Dr GRONBERG, Jeff (LLNL); Prof. TELNOV, Valery (Budker INP, Novosibirsk)

Session Classification: Parallel Wg D

Contribution ID: 47

Type: **not specified**

**Discuss plans for Summary WgD: Acc.ph. reqts:
stability, field, vacuum; cfs need for gamma-gamma;
etc. – convener:**

Wednesday, 19 September 2007 16:40 (20 minutes)

Presenter: SULLIVAN, Michael (SLAC)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 48

Type: **not specified**

Discuss plans for Summary WgA: Det. & endcap design, FD support, etc. – convener:

Wednesday, 19 September 2007 17:00 (20 minutes)

Presenter: HERVE, Alain (CERN)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 49

Type: **not specified**

Discuss plans for Summary WgC: CFS, services, requirements; etc. – convener:

Wednesday, 19 September 2007 17:20 (20 minutes)

Presenter: Mr KUCHLER, Victor (Fermilab)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 50

Type: **not specified**

Discuss plans for Summary WgB: Cryo, FD design, forward hardware, etc. – convener:

Wednesday, 19 September 2007 17:40 (20 minutes)

Presenter: Dr WEISEND II, John (SLAC)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 51

Type: **not specified**

Luminosity Feedback Detectors BeamCal and GamCal

Thursday, 20 September 2007 09:00 (20 minutes)

Presenter: MORSE, Bill (BNL)

Session Classification: Plenary Wg B + all

Contribution ID: 52

Type: **not specified**

LumiCal mechanical design and laser alignment system

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

Presenter: WIERBA, Wojciech (INP, Cracow)

Session Classification: Plenary Wg B + all

Contribution ID: 53

Type: **not specified**

Rutherford cable option for 14mr FD

Thursday, 20 September 2007 10:30 (20 minutes)

Presenter: Dr LOPES, Mauricio (Fermi National Accelerator Laboratory)

Session Classification: Plenary Wg B + all

Contribution ID: 56

Type: **not specified**

Mechanical and magnetic FEM model of SiD

Tuesday, 18 September 2007 13:30 (20 minutes)

Presenter: Mr WANDS, Bob (Fermilab)

Session Classification: Parallel Wg A (+C)

Contribution ID: 57

Type: **not specified**

Platform Issues

Tuesday, 18 September 2007 13:50 (20 minutes)

Presenter: MARCO, Oriunno (CERN)

Session Classification: Parallel Wg A (+C)

Contribution ID: 58

Type: **not specified**

SiD Beam Pipe Concepts & SiD Maintenance Schemes

Tuesday, 18 September 2007 14:10 (20 minutes)

Presenter: COOPER, William (Fermilab)

Session Classification: Parallel Wg A (+C)

Contribution ID: 59

Type: **not specified**

SiD End Cap/Door Concepts

Tuesday, 18 September 2007 14:30 (20 minutes)

Presenter: Mr KREBS, Jim (Stanford Linear Accelerator Center)

Session Classification: Parallel Wg A (+C)

Contribution ID: **60**

Type: **not specified**

SiD Preliminary Detector Assembly Schemes

Tuesday, 18 September 2007 14:50 (20 minutes)

Presenter: BREIDENBACH, Martin (SLAC)

Session Classification: Parallel Wg A (+C)

Contribution ID: **61**

Type: **not specified**

FD alignment methods

Wednesday, 19 September 2007 13:50 (20 minutes)

Presenter: Dr HE, Ping (BNL)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 62

Type: **not specified**

IR cryogenic model

Wednesday, 19 September 2007 14:20 (20 minutes)

Presenter: WU, Kuo-Chen (BNL)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 63

Type: **not specified**

Discussion of FD support, endcap splitting, opening, cryo system interference and self shielding

Wednesday, 19 September 2007 15:40 (10 minutes)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 64

Type: **not specified**

DAFNE upgrade with large crossing angle, Engineering aspects to implement the crab waist scheme

Wednesday, 19 September 2007 15:00 (20 minutes)

Presenter: Dr TOMASSINI, SANDRO (INFN-LNF)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 65

Type: **not specified**

IR BPM idea, discussion

Wednesday, 19 September 2007 12:20 (10 minutes)

Presenter: Mr WENDT, Manfred (Fermilab)

Session Classification: Parallel Wg B+D

Contribution ID: **66**

Type: **not specified**

Radiation physics requirements for the IR

Monday, 17 September 2007 16:05 (30 minutes)

Presenter: Dr SANAMI, Toshiya (SLAC)

Session Classification: Plenary

Contribution ID: 67

Type: **not specified**

Push-pull constraints and criteria discussion

Wednesday, 19 September 2007 09:00 (30 minutes)

Presenter: Mr KUCHLER, Victor (Fermilab)

Session Classification: Parallel Wg A+C

Contribution ID: **69**

Type: **not specified**

Permanent magnet option for 14mr IR

Tuesday, 18 September 2007 17:40 (20 minutes)

Presenter: Dr IWASHITA, yoshihisa (Kyoto Univ.)

Session Classification: Parallel Wg D

Contribution ID: 70

Type: **not specified**

Large platform proposal

Tuesday, 18 September 2007 15:10 (10 minutes)

Presenter: Prof. YAMAMOTO, Hitoshi (Tohoku University)

Session Classification: Parallel Wg A (+C)

Contribution ID: 71

Type: **not specified**

Final focus magnet and its cryogenics system at Belle

Wednesday, 19 September 2007 15:20 (20 minutes)

Presenter: Prof. TSUCHIYA, Kiyosumi (KEK)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 74

Type: **not specified**

Study of e-cloud in FD

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

Presenter: Dr WANG, Lanfa (SLAC)

Session Classification: Plenary Wg B + all

Contribution ID: 75

Type: **not specified**

Compact Water Based Dump Resistor

Wednesday, 19 September 2007 14:40 (20 minutes)

Presenter: Mr CRADDOCK, Wesley (SLAC)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: 76

Type: **not specified**

Engineering Details of BeamCal

Thursday, 20 September 2007 10:00 (20 minutes)

Presenter: LOHMANN, Wolfgang (DESY)

Session Classification: Plenary Wg B + all

Contribution ID: 77

Type: **not specified**

Convener's planning session for next day's talks

Monday, 17 September 2007 17:35 (30 minutes)

Session Classification: Plenary

Contribution ID: 78

Type: **not specified**

Shaft and underground hall layout discussion

Wednesday, 19 September 2007 09:30 (30 minutes)

Session Classification: Parallel Wg A+C

Contribution ID: 79

Type: **not specified**

Detector motion schemes and alignment discussion

Wednesday, 19 September 2007 10:00 (30 minutes)

Session Classification: Parallel Wg A+C

Contribution ID: **80**

Type: **not specified**

Utility requirements and layout of service areas discussion

Wednesday, 19 September 2007 10:30 (30 minutes)

Session Classification: Parallel Wg A+C

Contribution ID: 81

Type: **not specified**

Implication of gamma-gamma on 14mr tunnels discussion

Wednesday, 19 September 2007 15:50 (30 minutes)

Presenter: Prof. TELNOV, Valery (Budker INP, Novosibirsk)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: **82**

Type: **not specified**

Stability requirements discussion

Wednesday, 19 September 2007 14:10 (10 minutes)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: **84**

Type: **not specified**

HOM heating

Wednesday, 19 September 2007 11:50 (10 minutes)

Presenter: Prof. YAMAMOTO, Hitoshi (Tohoku University)

Session Classification: Parallel Wg B+D

Contribution ID: 85

Type: **not specified**

Coffee break

Wednesday, 19 September 2007 16:20 (20 minutes)

Session Classification: Plenary Wg A+B+C+D

Contribution ID: **86**

Type: **not specified**

Summary on background study

Thursday, 20 September 2007 13:00 (30 minutes)

Presenter: SULLIVAN, Michael (SLAC)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 87

Type: **not specified**

Summary on vacuum requirements and design options

Thursday, 20 September 2007 13:30 (30 minutes)

Presenter: Dr SUETSUGU, Yusuke (KEK)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: **88**Type: **not specified**

Summary of radiation physics study and criteria development

Thursday, 20 September 2007 14:00 (20 minutes)

Presenters: Dr SANTANA, Mario (SLAC); Dr SANAMI, Toshiya (SLAC)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: **89**

Type: **not specified**

Overall agreements on IR cryogenics system and how to move further

Thursday, 20 September 2007 14:20 (20 minutes)

Presenter: Dr WEISEND II, John (SLAC)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 90

Type: **not specified**

Discussion of 'real estate' around the IR beamline

Thursday, 20 September 2007 15:00 (30 minutes)

Presenter: Dr PARKER, Brett (BNL)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 91

Type: **not specified**

Luminosity monitors discussion

Thursday, 20 September 2007 14:40 (20 minutes)

Presenter: LOHMANN, Wolfgang (DESY)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 92

Type: **not specified**

Summary and discussion of options for IR hall and tunnels layouts

Thursday, 20 September 2007 15:50 (20 minutes)

Presenters: HERVE, Alain (CERN); Mr KUCHLER, Victor (Fermilab)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 94

Type: **not specified**

Discussion of possible assignments for Friday (post-workshop work)

Thursday, 20 September 2007 16:40 (20 minutes)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 95

Type: **not specified**

Final discussions and closeout

Thursday, 20 September 2007 17:00 (20 minutes)

Presenter: Dr SERYI, Andrei (SLAC)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 96

Type: **not specified**

Endcap design summary and discussion

Thursday, 20 September 2007 16:10 (20 minutes)

Presenters: Mr WANDS, Bob (Fermilab); Mr KREBS, Jim (Stanford Linear Accelerator Center)

Session Classification: Plenary (Summaries and Discussions)

Contribution ID: 97

Type: **not specified**

Tentative list of possible working topics for Friday

Friday, 21 September 2007 09:00 (3 hours)

Session Classification: Post-summary work