

INTERNATIONAL LARGE DETECTOR

IDR

ILD Detector Collaboration

2018

ILD Editors

Main Editors:

Ties Behnke, Kiyotomo Kawagoe

Tracking System:

Calorimeter System:

Outer Detector System:

Data Acquisition:

Machine Detector Interface:

Integration:

Karsten Buesser

Alignment:

Software:

Frank Gaede, Akiya Miyamoto

Performance:

Keisuke Fujii, Jenny List

Costing:

Henri Videau, Karsten Buesser

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Chapter 1

Introduction

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Chapter 2

The ILC Environment

Karsten Buesser, Keisuke Fujii
3 pages

Chapter 3

The ILD detector concept

Ties Behnke, Kiyotomo Kawagoe
pages

3.1 The overall ILD concept

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3.2 Optimising ILD

Chapter 4

Detector Layout and Technologies

Claude Vallee
Claude Vallee, Karsten
Buesser
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4.1 Overall structure of the detector

Claude Vallee, Karsten
Buesser
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4.1.1 Global structure and parameters

Subdetector technical con-
vener
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4.1.2 Subdetecor layout

Subdetector convener
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4.2 Subdetector technology status

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3 pages

4.2.1 Vertex detector

Alberto Ruiz
3 pages

4.2.2 Silicon inner tracking detectors

Paul Colas
3 pages

4.2.3 Time projection chamber

Jean Claude Brient, Tohru Takeshita, Felix Sefkow, Imad Laktineh
5 pages

4.2.4 Calorimeters

Ahron Levy
2 pages

4.2.5 Very forward detectors

4.2.6 Iron instrumentation

4.2. Valery Saveliev, Uwe Schneekloth
1 pages

Chapter 5

ILD Global Integration

5.1	Internal ILD integration
5.2	external ILD integration
5.2.1	Cavern ancillary services
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5.3	Mechanical structure and studies
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5.6	Alignement/ calibration procedures

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Matthew Wing, Taikan Sue-
Felix Sefkow, Henri Videau
Karsten Buesser, Uwe
Daniel Jeans
Graham Wilson
1 pages

Chapter 6

Detector Modelling

Chapter 7

Detector Performance

Chapter 8

Costing

Chapter 9

Summary

Bibliography