

**CLIC CDR,
Volume 4: CLIC Detector**

Table of Content:

- 1) Introduction
- 2) Strategy of design choices
 - Beyond ILC Detector Concepts
 - Calorimetry requirements
 - Tracking requirements
 - Vertexing requirements
 - Forward Calorimeter requirements
- 3) Tracking System
 - Vertex detector
 - Si-Tracker
 - other technology
- 4) Calorimeter System
 - Particle flow approach
 - other technology
- 5) Time stamping layers
- 6) Superconducting Solenoid
- 7) Muon System
- 8) Forward Calorimeters
 - Luminosity
 - Beam Instrumentation
- 9) Data Acquisition
- 10) Physics Performance - Benchmarks
- 11) Costs
- 12) Conclusion
- 13) Acknowledgment

I) Annex: SW packages used

Bibliography

in Volume 3) MDI

Beam Induced Background
Energy Spectrum
Polarization
Mask design

Comments

- Electronic and detector performances are included in sub-detector sections
- The default energy is 3 TeV; design optimization and performance at 500 GeV will be discussed in the relevant sub-sections
- Overlap between Chapter 10 and Volume 2 shall be avoided. Volume 2 will put emphasis on the overall physics reach. Chapter 10 will put emphasis on the detector performance and constraints,

- The case for two detectors and push-pull follows ILC, could be discussed in Introduction (which volume)?