

SID Engineering

SID Workshops - INDICO

Detector Engineering

1. [SID Parameters New](#) (2016), [HCAL and ECAL](#)
2. High resolution Images (Old layout) [pic1](#) - [pic2](#) - [pic3](#)
3. New Magnet Design [pic1](#) - [pic2](#)
4. Si Tracker Mounting Frame
 - a. [3D Explode view.pdf](#)
 - b. [Exploded view jpeg.jpg](#)
 - c. [piaseembly static pdf.pdf](#)
 - d. [assembly jpeg.jpg](#)
 - e. [assembly 3D pdf.pdf](#)
 - f. [Exploded View static pdf.pdf](#))
5. EMCAL
 - a. Test Beam
 - i. [Mechanical design](#)
 - ii. [3D pdf](#)
 - iii. [Si Sensor](#)
 - iv. [Flex cable](#)
 - v. [Flex cable on Tungsten](#)
 - vi. [Photo galleryEMCal Mechanics Study KSVIII](#)
 - b. Engineering Studies
 - i. [EMCal_Optimization_for_SiD.pdf](#)
 - ii. [ECal mechanics2.docx](#)
6. HCAL
 - a. [LAPP Note - Barrel design](#)
 - b. [LAPP Note - Forward Design](#)
 - c. SLD LAC Installation Beam, Max.Weight < 40 metric tons ([Assembly](#), [Box beam](#)) [Access to SODA](#)
7. Solenoid
 - a. [Fringe Fields Detector Hall](#)
 - b. [Weighths and Dimensions relevant to transportation](#) ([Word document](#))
8. IR wakefields
9. Forward Region
 - a. [IP-QD0 layout](#)
 - b. [IP-Cavern layout](#)
 - c. [QD0-QF1 layout](#)
 - d. [Door Opening at QF1](#)
 - e. [Doo Opening 2m and 3m](#)

[Draft of the talk at the SID Workshop in Tokyo, Sep.2-3, 2014](#)

ILC Conferences and Workshop - INDICO

MDI Engineering

1. Vibrations Control
 - a. "Budgeting and control of the mechanical noise in the International Linear Collider final focus system", D.Tshilumba, M.Oriunno, C.Collette, T.Markiewicz
[PhysRevSTAB.17.062801](#)
 - b. [Vibration Measurements CMS Detector Hall](#)
 - c. [Vibration Measurements CMS Platform](#)
 - d. [Vibration Measurements SLD](#)
2. [ILC Kitakami Site\(6/24/2014\) - 3D pdf](#)
 - a. [MDI-CFS Meeting July 8](#)
3. [Fringe Fields Detector Hall](#)
4. [Radiation Simulations](#)
5. Bridge Cranes and Road Transports
 - a. [Gantry 3,600 tons](#)
 - b. [Gantry 400 tons](#)
 - c. [Dorman Long Jacking Towers](#)
6. [ILS Site and Push-Pull studies - ARUP \(2011\)](#)
7. Cryogenics
 - a. [ILD-SID Meeting July 30](#)
 - b. [Cryogenic System of the ILC Central Region \(Okamura\) LCWS12](#)
8. [CMS Mobile Platform Contruction](#)

https://confluence.slac.stanford.edu/download/attachments/176488486/EMCal_Optimization_for_SiD.pdf?version=2&modificationDate=1411485631000&api=v2