

March 17, 2005

Report from Asia

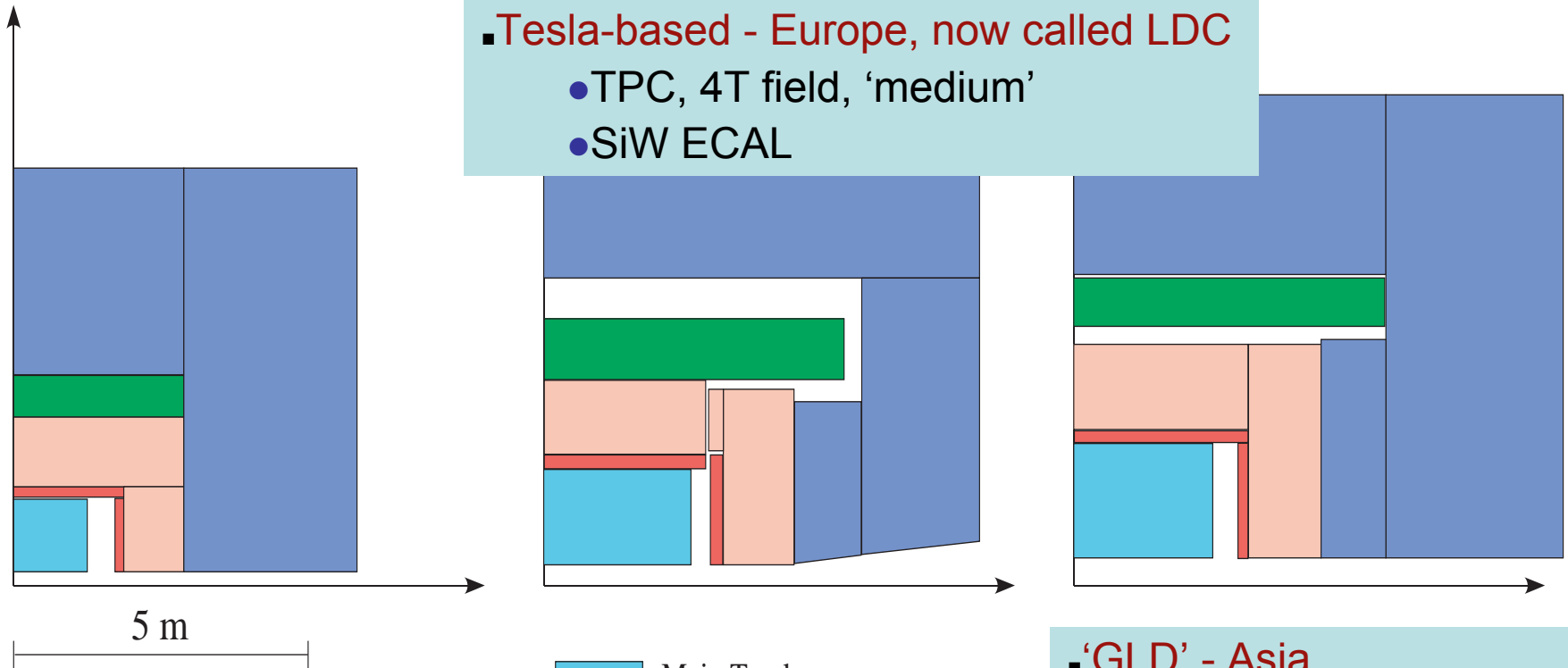
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SD

TESLA

GLD

- Tesla-based - Europe, now called LDC
 - TPC, 4T field, 'medium'
 - SiW ECAL



- Main Tracker
- EM Calorimeter
- H Calorimeter
- Cryostat
- Iron Yoke / Muon System

- 'GLD' - Asia
 - TPC, 3T field, 'large'
 - W/Scintillator ECAL

ILC Detector Workshop Tentative Program

(Last Update: March 4, 2005)

Workshop Place: KEK Kenkyu Honkan Lecture Hall

March 3 (Thursday) Morning

Chair: T.Tauchi

9:10 - 9:40 H.Yamamoto Report from WWSOC and charge to the workshop towards
(Tohoku U.) "Detector Outline" of "GLD"

9:40 - 10:10 T.Abe (Tokyo) Overview of SiD

Break

10:40 - 11:00 H.Yamaoka (KEK) Detector Magnet and Structure

11:00 - 11:20 Y. Sugimoto (KEK) "GLD" Vertex detector

11:20 - 11:40 A.Sugiyama (Saga) "GLD" Tracker

11:40 - 12:00 K.Kawagoe (Kobe) "GLD" Calorimeter

Lunch

Joint session with KEK theory meeting @ KEK 4th building 1F Seminar Hall

13:30 - 14:30 K.Yokoya(KEK) The ILC project (Jointly with KEK theory meeting)

14:30 - 15:10 S.Yamashita(Tokyo) Physics at International Linear Collider (Jointly with KEK theory meeting)

Break

Chair: K.Kawagoe

15:30 - 16:00 T.Sanuki (Tokyo) The ATF2 Project

16:00 - 16:30 T.Tauchi(KEK) MDI overview

16:30 - 17:00 T.Takahashi Options of ILC Project
(Hiroshima)

17:00 - 17:50 S.Yamashita(Tokyo) Physics bench marks for detector concept studies

Issues for GLD

- After ILC technology decision, concrete detector design efforts are now starting worldwide - 3 main concepts.
- **We are pushing detector R&D efforts :**
 - around ‘GLD’ which is to be a global effort,
 - with/within horizontal international collaborations
 - TPC collaboration (LCTPC), Calorimeter (CALICE), etc.
- **Items particularly critical for GLD (Among many critical items)**
 - Low-cost and high performance ECAL
 - Proof of concept by realistic simulations
 - Jet energy resolution
 - Vertex resolution

- Current "Global Design Effort" is still very regional.
- Many issues are common to all.
- I have started to talk to Belle colleague and others if we can find common R&D items.
 - monolithic pixels (Hawaii)
 - silicon tracker (Tsukuba/CDF)
- More PR is necessary to make SiD known to Asian community.