ILD meeting
Eugene, Oregon, March 2011

Agenda:

Introduction	Ties Behnke
Integration	Catherine Clerc
Machine Detector Interface	Karsten Buesser
Costing	Catherine Clerc
Software	Frank Gaede
Report from CLIC	Konrad Elsener
Optimzation	Tomohiko Tanabe
Discussion	all

Planning

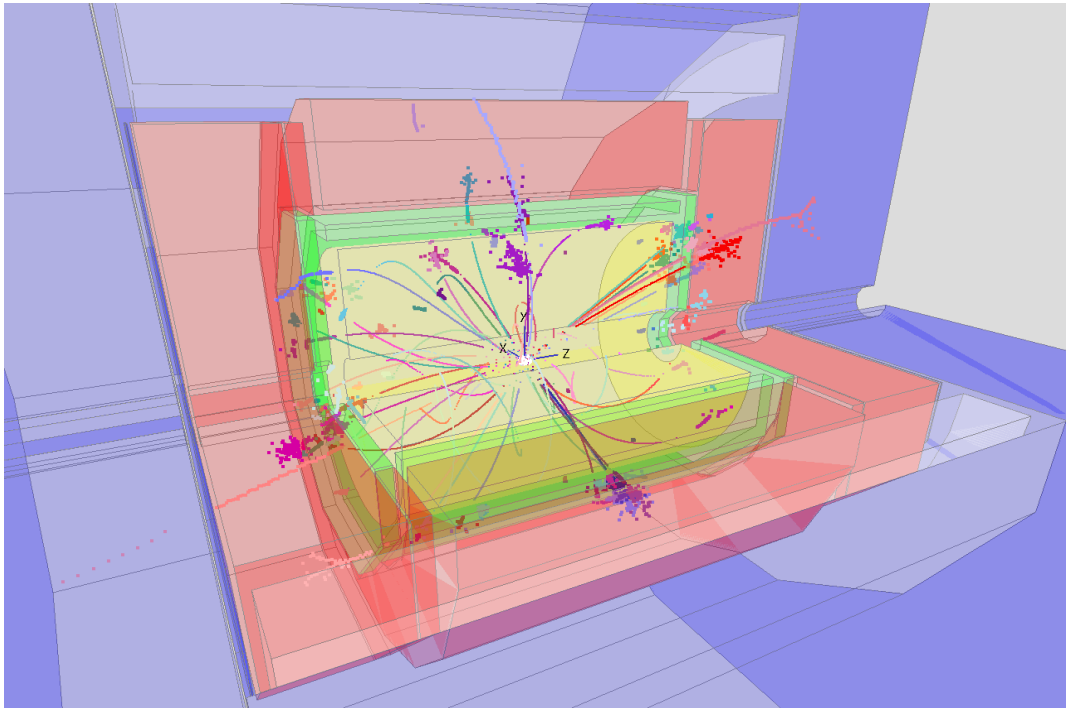
As ILD we are very happy that our ILD friends in Japan were not harmed in the March 11 earthquake and Tsunami. We are very happy that we can welcome a number of them here in Eugene. We hope very much that the general situation improves fast and that life can return to more normal soon.

Next dedicated ILD meeting: Planned for end of May, 2011

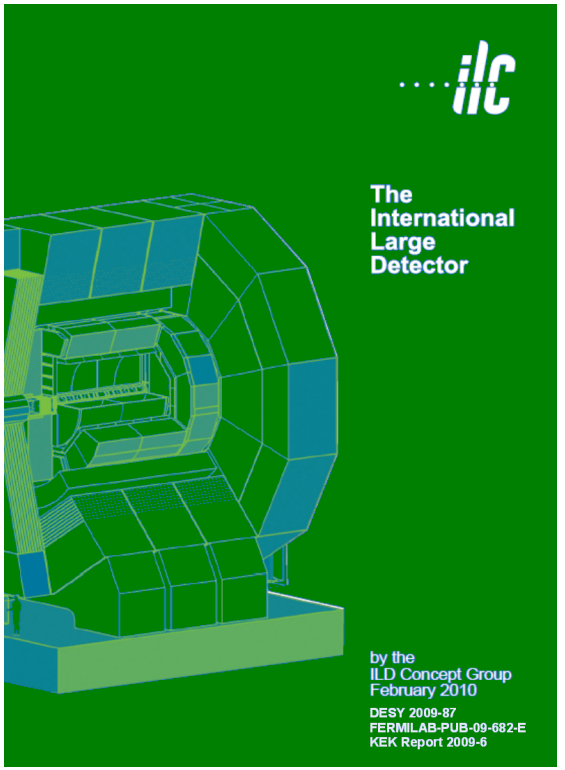
Given the situation in Japan, we can at this moment not be sure that we can have the meeting at KEK at the end of May.

We after discussions with our Japanese friends will evaluate the situation in about 2-3 weeks.
We hope that the meeting can take place as planned,
but we will react if this is not possible.

ILD en route to the DBD

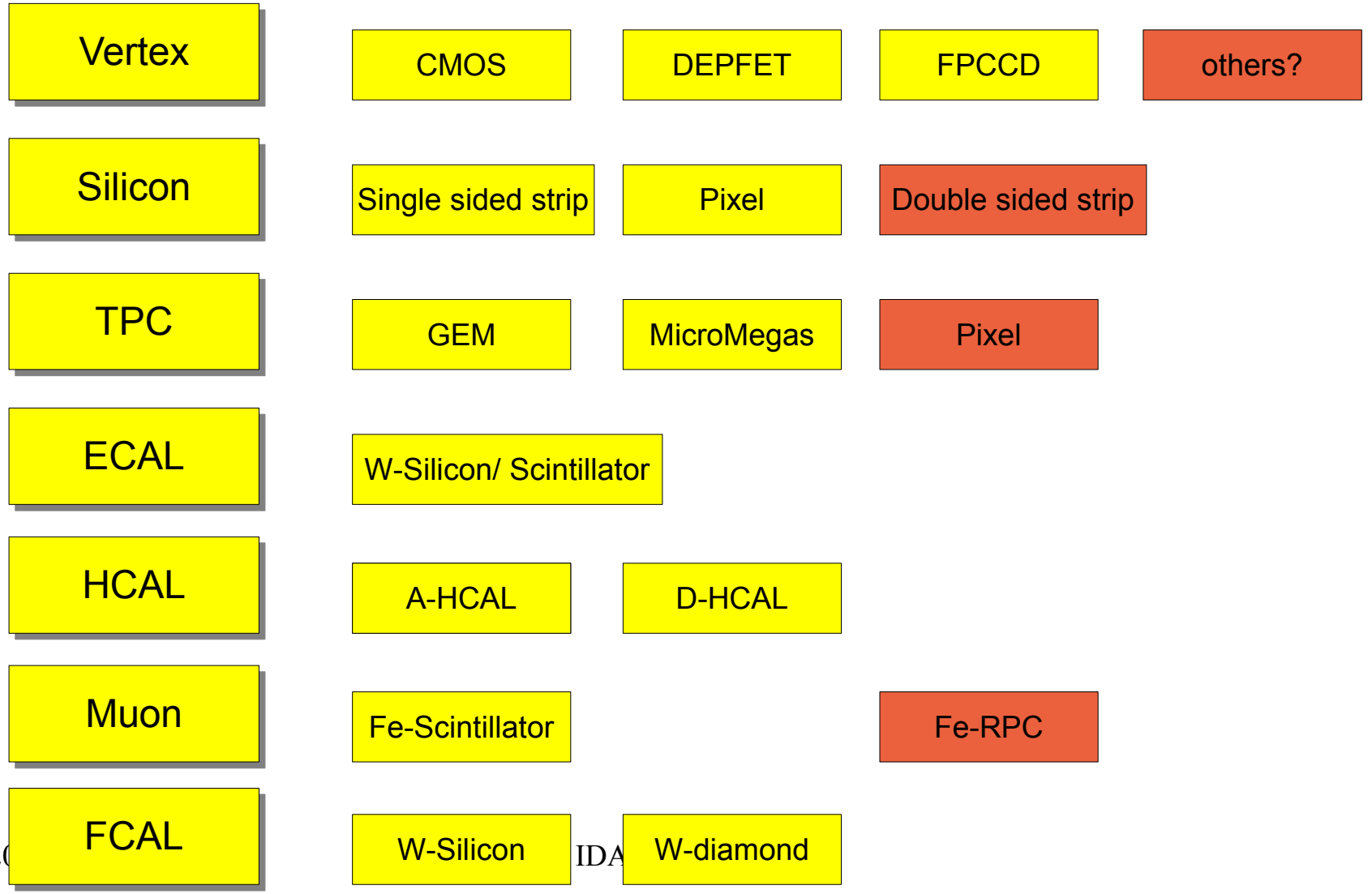


For the
ILD concept group
Ties Behnke, DESY



Report to IDAG on the status of ILD
Sunday March 20, 2011

ILD: baseline detector
The anticipated picture

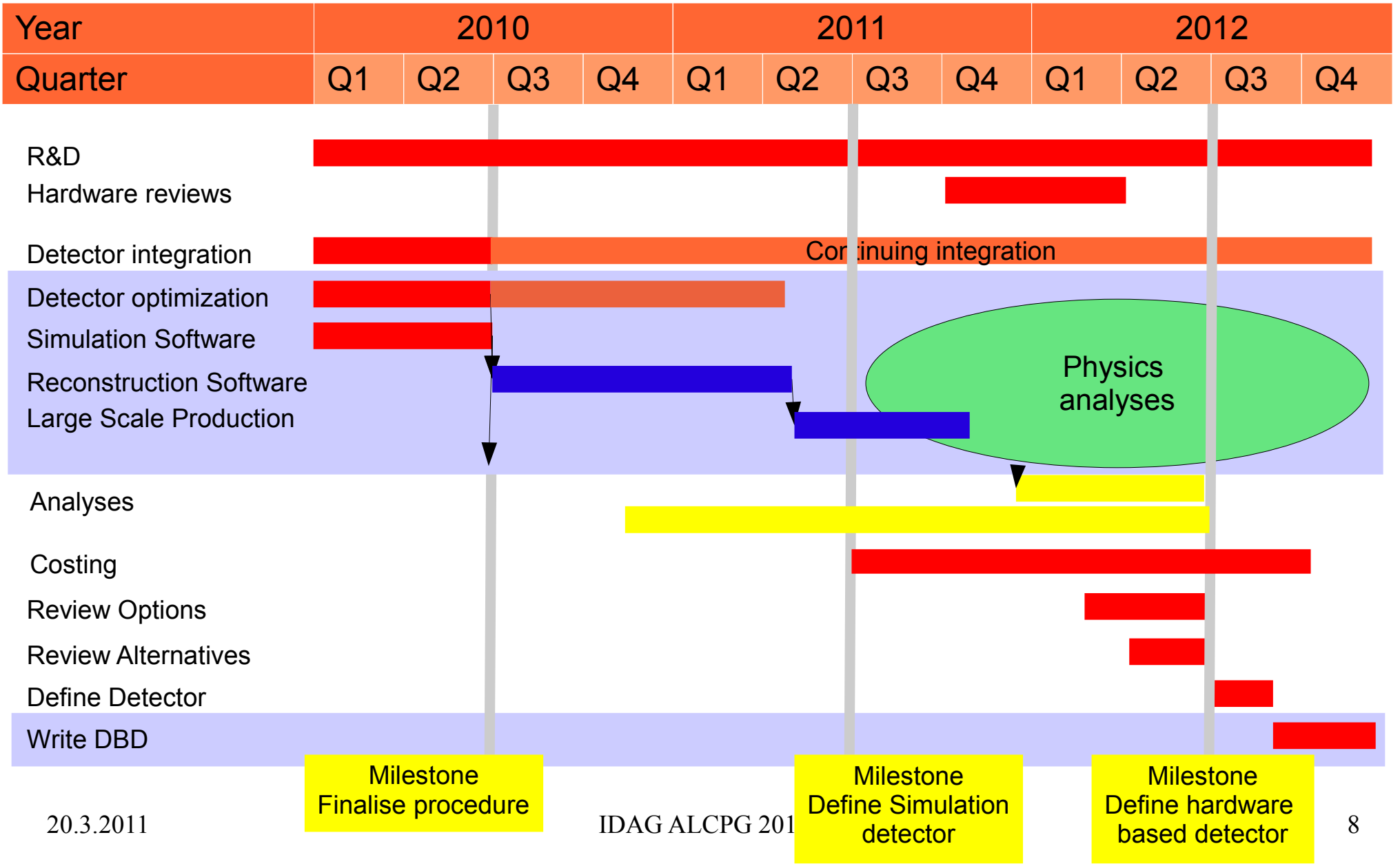


Plans subdetectors

Vertex	Full scale ladder prototype (mechanics) including cooling concept, several chip technologies (FPCCD, DEPFET, MAPS)	PLUME project
Silicon	Single sided Silicon sensor tested edgeless sensors tested Readout chip prototyped	SiLC
TPC	GEM, muMegas readout tested with multi-module in LP, pixel readout demonstrated under realistic conditions Model for advanced end plate demonstrated	LCTPC
ECAL	Extensive test beam data, demonstrate system integration, second generation prototype	CALICE
AHCAL	Extensive test beam results, second generation readout designed and tested, second generation prototype demonstrated	CALICE
DHCAL	Extensive test beam results, feasibility established, readout concept established, second generation prototype demonstrated	CALICE
Muon	Extensive Simulation and optimization, Scintillator readout with SiPM established and prototyped, mechanical design established	
FCAL	Sensor tests and readout chain done, system established	FCAL

Analysis	Group	BM
$e^+e^- \to ZH \to l^+ l^- X$	Youssef Khoulaki, Hassan II, Morocco	
$e^+e^- \to ZH \to l^+ l^- X$ (for Vertex detector background/ optimisation)	Georgios Gerasimos Voutsinas, Strassbourg	
BR(H→bb/ cc/ gg) in BR(H->bb/ cc/ gg) at 250 GeV and 350 GeV	i) Nina Herder, Bonn ii) Hiroaki Ono, Nippon Dental University	
Little Higgs with T- Parity at 1 TeV	Eriko Kato, Tohoku	
Top Physics at 500 GeV	Phillipe Doublet, Roman Poescl, Francois Richard, LAL	
W e nu, ZZ, Z nu nu, nu nu h at 1 TeV	Graham Wilson, Brian van Doren, and Marco Carrasco-Lizaragga, Kansas	
ZHH	i) Tomohiko Tanabe + Taikan Suehara Tokyo ii) Junping Tian, Tsinghua	
ttH	i) Harjah Tabassam, Edinburgh ii) Ryo Yonamine, KEK	
long- lived staus	Wataru Yamaura and Katsushige Kotera, Shinshu, DESY	
Model-independent WIMP searches in e+e-->ngamma + invisible	Christoph Bartels, DESY	
Bi-linear R-parity violating SUSY	Benedikt Vormwald, DESY	
SPS1a' in general, selectrons with small mass-differences (for SB2009-BAW)	Mikael Berggren, DESY	
TGC:s and polarisation (at least for SB2009-BAW)	Ivan Marchesini, DESY	
SUSY "point 5"	Jenny List, DESY	
WW at 1 TeV	open	

ILD Milestones



What do we expect this summer

- Define the simulation baseline detector
- Define the scope of a large scale production
- Review the state of the analyses, make sure we are covered
- Review the state of the subdetectors R&D
- Review the state of the preparations of the “readiness” review