



Next steps for Detectors

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TILC08

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WWS

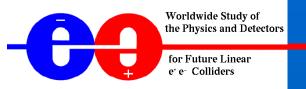


The WWS roadmap

In 2007 there were various steps on the WWS Roadmap (recalled in detail in Sugimoto-san presentation):

- Cautious attitude from the community during the ACFA meeting in Beijing
- Presentation of an ambitious project during LCWS07 in DESY
- Too ambitious? In particular on engineering aspects requiring extra manpower not to speak of extra funding
- Too early ?





ATLAS (T. Akesson)

ATLAS

- Around 1989-1990 the collaboration was formed
- 1990 DRDC was set up by CERN as its scientific committee for detector R&D proposals R&D collaborations were formed
- 1992 LHCC was set up by CERN as its scientific committee for LHC experiments
- 1992 Letter of Intent, 100 pages
 Basis for CERN to choose which of the collaborations that should proceed
 From this point ATLAS was monitored by an LHCC referee team
- 1994 Technical proposal, 250 pages
 Basis for the principal project approval
- 1994 Basic collaboration constitution
 - Spokesperson
 - Collaboration Board
 - Executive Board
- 1995 The Resources Review Board (funding agencies) was formed Chaired by the CERN director of research. Meets twice a year.





The crisis

In spite of 'Black December' the roadmap is becoming truly operational even though:

- We have to stretch in time the process, as the GDE, to keep everyone on board
- We need a more prudent vocabulary (DOE) but hope to maintain our main objectives
- This means going well beyond 'generic' R&D to assess, realistically, the overall physics performances and achieve a realistic MDI program.
- This is well understood by ILCSC where the detector part has taken growing importance.
- DOE still needs to be convinced as appeared at the last FALC



A new spirit

- Solidarity rather than competition
- Some countries are unaffected by this crisis (no domino effect) or even improving (e.g. Japan, Spain, India, France...) and wish to help
- The strategy of the WWS should be to help the various concepts in fulfilling the LoIs
- We are not fighting to get 2 experiments approved but to get a project flying
- In this spirit we need to favour better regional balance between LoIs to insure more stability
- Also, in the same spirit, we should not appear as a 'closed club' but encourage newcomers's and make best use of available resources



ILC-CLIC

The recent CLIC-ILC meeting at CERN is an example of optimizing resources

- We all agree on a common goal: the need to build a lepton collider after LHC
 - -> Constructive competitiveness?

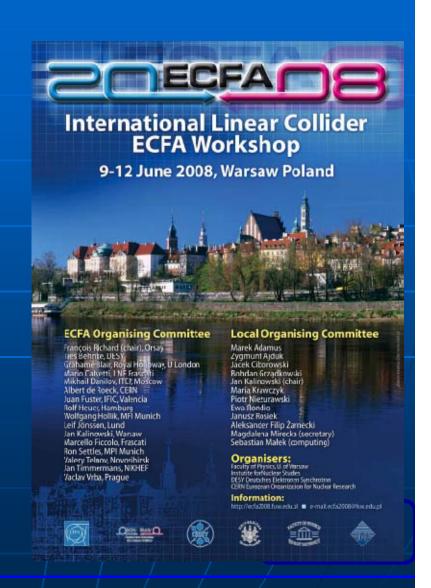
There are mutual benefits to be expected by improving the connections between the two projects:

- CERN expertise on large detectors
- MDI experts sharing common work (already happening)
- CLIC benefiting from our well advanced tools to design a detector concept
- ILC concepts tried at ECM >>500 GeV
- -> ILC concepts to designate contacts to help CLIC



Next meetings

- Next ECFA meeting in Warsaw June 9-12
 Registration is opened http://ecfa2008.fuw.edu.pl/
- Follows the GDE meeting in Dubna
- IDAG will start there
- CLIC-ILC collaboration on detectors to be discussed
- LCWS08 November 16-20, hosted by a Chicagoland Consortium





Conclusion

- The detector roadmap is progressing in spite of the bumps
- To get more support, let's follow the advice given the first day by Suzukisan:

