

AAP update and future planning

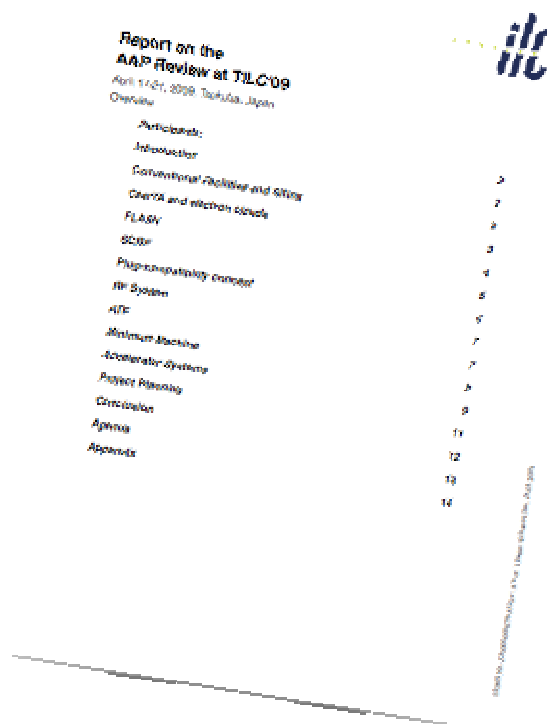

W. Willis

Accelerator Advisory Panel

- Basic Charge
 - Advice GDE Director
 - Carry out "Internal" reviews reporting to the Director
- Composition
 - Internal Members
members of the GDE
 - C Damerell, J Dorfan, E Elsen, T Himel, M Kuriki,
O Napoly, K Oide, H Padamsee, T Raubenheimer,
D Schulte and W Willis
 - External Members
members from outside the GDE
 - N Holtkamp, L Rossi, T Tajima, M Uesaka and
F Zimmermann

AAP Role in the past year

- Director asked in November 2008 for GDE Comments on the "γγ-collider as a precursor to the ILC"
 - Comments presented to the ILCSC in February 2009
- First AAP review carried out April 2009 in Tsukuba
 - Thematic Priorities
SC RF, CFS/Layout, Electron cloud, Test facilities
 - Overall Readiness
 - Report has been issued
[http://ilc-edmsdirect.desy.de/
ilc-edmsdirect/file.jsp?edmsid=*879165](http://ilc-edmsdirect.desy.de/ilc-edmsdirect/file.jsp?edmsid=*879165)
 - acknowledged by PAC



Report on the AAP Review at ILC09
April 1-4, 2009, Tsukuba, Japan

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ilc - Compact Linear Collider for the International Large Electron-Positron Collider

Report of First Review

- Key messages

- SCRF

- CF&S

- E-cloud

- Test Facilities

ATF, CsrTA, FLASH

- Accelerator Design & Integration Initiative (AD&I); was Minimum Machine

- Management & Strategic Orientation

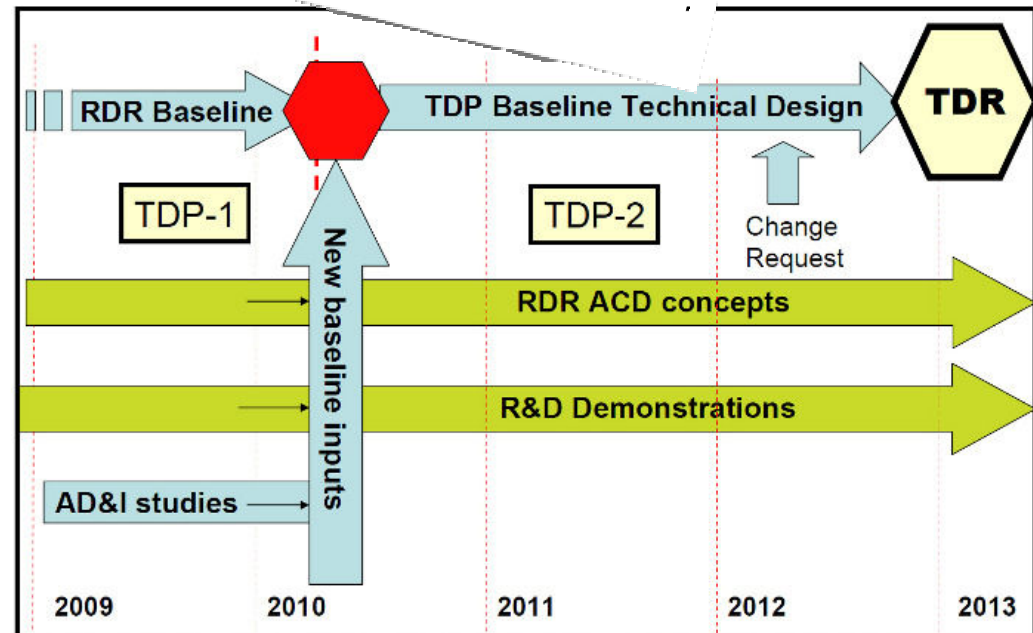


Strategic Orientation of the GDE

- AD&I Initiative will propose a Strawman Baseline Design 2009; main topic for ALCPG 09
 - Consolidation of the central injector complex
 - Single tunnel layout; many areas affected
- The design modification entails many changes; the side-effects and overall performance needs to be examined
 - Sequence
 - Area groups → SB2009 Report → AAP → ePAC → Beijing Meeting → ICHEP Paris

Overall Goals for TDP 1

- RDR: bottom-up and well defined Change Control process
- TDP: more top-down lead by Project Managers.
- Goals
 - contain or reduce cost,
 - develop coherent technical design, forward looking and realistic



Preparation of Oxford Review (Jan 6-8, 2009)

- Focus on SB2009
 - Changes in many Areas
 - Integration issues will be dominant
- Given these constraints, we will address:
 - Technical assessment for overall performance of new design
 - Verify convergence towards consolidated design
 - Assess design improvements vis à vis new design
 - Examine Progress towards 2012 completion of TDP 2
 - Study developments of alternatives

The full review team is needed in each Area to spot the integration issues, ruling out parallel sessions. The Baseline material itself is not available to the AAP before 18 December, thus the AAP must really work with the presentations from the ALCPG meeting, fine tuned by discussions at the Review: it follows that there should not be normal presentations, but updates and questions and answers

Preparation of 2nd Review

- The AAP has nominated one or more "experts" to follow technical areas and the developments of the overall strategy
 - In the past these experts were regularly attending the meetings of the area groups
 - The 2nd review will essentially be based on the material presented in Albuquerque and the documentation provided for SB2009. It is important that the SB2009 report be issued in time so that the AAP review be useful.