

A Review on Design Study of the ILC Conventional Facility in Mountain Regions

1. Objectives of the Review:

- Conceptual design co-work by KEK LC-CFS and AAA CE-WG,
- Consistency with ILC-GDE CFS design guideline for SB2009/TDP-2,
- Work-package plan for conventional facility (CF) design to be executed at KEK

2. Organization of the Review

- A joint effort of ILC GDE (CFS/GS) and KEK-LC office, and they will receive the review report and recommendations.

3. Review Committee

- Review Chair-person: Victor R. Kuchler (GDE-CFS: FNAL)
- Reviewers: John A. Osbone (GDE-CFS: CERN)
Thomas W. Lackowski (GDE-CFS: FNAL)
Larry L. Hammond (GDE-CFS: FNAL)
Randal J. Wielgos (GDE-CFS: FNAL)
Tracy Lundin (Hanson Professional Service Inc.)
Wilhelm Bialowons (GDE-CFS/GS-APM: DESY)
Tomoki Shiotani (Kyoto U.)
Takafumi Seiki (Utsunomiya U.)
Hideaki Yasuhara (Ehime U.)
Satoru Yamashita (U. Tokyo)
- Observer: Tomofumi Koyama (Kyoto U.)
- Review Secretary: Akira Yamamoto (GDE/KEK/AAA)
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4. Agenda

Date: June 1 ~ 2, 2010

Place: Meeting room, 1st floor, KEK Building 3,

June 1, morning, 8:30 ~

Review Committee closing session;

Chaired by V. Kuchler

Open Morning Session: (9:00 ~: Chaired by V. Kuchler)

1. Welcome address:

A. Suzuki

2. Review work requirements (to make sure):

A. Yamamoto

9:30 ~

3. Introduction for CE work in mountain regions:

A. Enomoto (KEK/AAA)

- Boundary conditions and guidelines for design work.

- General Progress in design study,

10:00 coffee break

10:30 ~

4. Reports from Conceptual Design Study Team (AAA-CF-WG/KEK)

- Concepts of civil engineering in mountain region M. Yoshioka (AAA/KEK)
- Major components: layout and constraints:
 - Requirements from Cryomodule H. Hayano (GDE-KEK)
 - Requirements from HLRF S. Fukuda (GDE-KEK)
 - Requirements from Cryogenics K. Hosoyama (GDE-KEK)

Open Afternoon Session: (13:30 ~ , Chaired by V. Kuchler)

- Conceptual design works (to be presented by) M. Miyahara (AAA/KEK)
 - General CE layout: N. Shikama (AAA-CF)
 - Accelerator main-tunnel : K. Ryoke (AAA-CF)
 - Sub-tunnel and access: H. Sasao (AAA-CF)
 - Detector-hall: T. Akojima (AAA-CF)
 - Underground-Water handling: K. Takeuchi (AAA-CF)
 - Cooling-water and utilities: T. Kokubo (AAA-CF)

15:30 coffee break

16:00 ~

5. Reports of Planning for Further CF Engineering Study at KEK

- General CF engineering plan in TDP-2: A. Enomoto
- Working plan in JFY2010: M. Miyahara

17:00

6. Questions and Discussions,

All

17:30

7. Closed sessions chaired

by V. Kuchler,

18:00

Ajorn (>> Reception/Dinner)

June 2,

7. Q&A and general discussions (continued)

Committee

8. Writing

Committee

9. Close- out (12:00~)

V. Kuchler

Additional Plan:

June 2, pm:

- Reserved for JPARC Conventional Facility tour,

June 3:

- An optional tour to visit a big cavern in a mountain region in Japan,
(full one day trip required, depending on preference).