

Minutes of the 5th "ILC-CLIC e+ studies" meeting

Date: June 18th, 17:00(JST) 10:00(CET), 2009

A part of Attendees (whom Omori was able to hear the voices):
Louis(CERN), Frank(CERN), Vivoli(CERN), Eugene(NSC-KIPT),
Sabine(DESY), Andreas(DESY), Ralph Dollan(DESY), Ian(CI),
Norbert(CI), Andriy(DESY), Clarke(CI), Takahashi(Hiroshima),
Suwada(KEK), and Omori(KEK)

Agenda:

1. Preparation of the hybrid target test at KEK : Suwada-san
2. Discussion:

Presentations:

http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20090618/20090618-Suwada_hybrid.pdf

1. Preparation of the hybrid target test at KEK:

Suwada-san reported the status of the preparation of the hybrid target test at KEK.

Please see "20090618-Suwada_hybrid.pdf".

The test will be done in the beam switchyard at the end of the KEKB injector linac. He will install a thin crystal target, a sweeper magnet, and a thick amorphous target in the switchyard. A rotation stage for the crystal, an analyzer system and a beam dump already exist at the switchyard.

A spare of the ATF transport-line magnet will be used for sweeping the e-beam of KEKB linac after the crystal target. The magnet is about 1m-long and generate 1.2T at 500A.

Also a spare power supply (PS) for ATF will be used to energize the magnet. The maximum current of the PS is 300 A. Therefore it can energize the magnet up to 0.72T. This field is acceptable but Suwada-san continue to search a better PS.

Suwada-san showed the installation schedule of the magnet and the PS.

July/27	Transport the magnet & PS from ATF to KEKB Linac
July/28-29	Install the magnet
July/29-31	Cabling for PS, Piping for water cooling

2. Discussion:

Omori proposed to change the day of the meeting.

The day of the meeting is now Thursday. This is inconvenient to Kuriki-san because he has a teaching duty every Thursday.

Proposed new day is either Tuesday or Wednesday.
We did not make decision because non of LAL people attended the meeting. We will continue the discussion.

The date of the next meeting was tentatively decided, July 21st.

Reported by T. OMORI

Note 1: Network trouble in LAL:

In the morning of June 18th (CET), there was a network trouble in LAL. This prevented all LAL people from attending the meeting.

Note 2: Bad phone voice quality:

We suffered a bad phone voice quality. This was unusual. This made our discussion very hard. We didn't know the cause of the bad quality.
