

Minutes of the 49th "ILC-CLIC e+ studies" meeting

Date: 24th (Thu.) July, 2014, 22:00 Jpn (Time slot (c'))
(c')22:00(Jpn), 16:00(Ukr), 15:00(CET), 8:00(US-IL), 6:00(US-CA)

A part of Attendees (whom Omori was able to hear the voices):
Louis(CERN), Friedrich(DESY), Sabine(DESY), Wanming(ANL),
Takahashi(Hiroshima), Narita(Iwate), and Omori(KEK)

Agenda:

1. Posipol 2014 preparation status: Narita-san
2. 2014 plan of radiation test: Omori

Presentations:

[http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20140724/
20140724-Narita_POSIPOL2014.pdf](http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20140724/20140724-Narita_POSIPOL2014.pdf)

[http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20140724/
20140724-Omori_PlanRadiationTest.pdf](http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20140724/20140724-Omori_PlanRadiationTest.pdf)

Summary of discussions:

1. Posipol 2014 preparation status:

Narita reported the status of POSIPOL2014 preparation.

Please look at "20140724-Narita_POSIPOL2014.pdf".

(1) Registration

- Number of registrants : 30 (as of today)
- Deadline : 31-July

(2) Timetable (tentative)

- 1st day (27/8)
 - 9:00 - 9:30 registration
 - 9:30 - 12:30 session 1
 - 12:30 - 14:00 lunch
 - 14:00 - 18:00 session 2
- 2nd day (28/8)
 - 9:00 - 12:00 session 3
 - 12:00 - 13:00 lunch
 - 13:00 - Excursion (visit IP area / Geibikei)
 - 19:00 - Banquet
- 3rd day (29/8)
 - 9:00 - 12:00 session 4
 - 12:00 - 14:00 lunch
 - 14:00 - 17:00 session 5
 - adjourn

(3) Transportation

- Travel information is available Posipol web site.
- You can buy all tickets (except Japan Rail Pass) after you arrive Japan. It may be a good idea to buy a Japan Rail Pass, particularly if you plan a trip in Japan before or after the workshop.
- We will provide the bus service from KEK to Ichinoseki on 26-Aug.

Depart KEK 9:00 -> Ichinoseki 16:00

Fee : 13,000 yen/person

* Still some seats remained

If you wish to use the bus service, please book ASAP.

Note: No return bus to KEK after the workshop.

(4) Program

- We have just started to making a talk list.
We may ask you to give a talk.
Thank you for your cooperation.
- We will set up a remote connection (fuze) at Ichinoseki.

2. 2014 plan of radiation test:

Omori discussed the 2014 plan of radiation test.

Please look at "20140724-Omori_PlanRadiationTest.pdf".

(1) Summary of the AWLC14 discussions in May:

- Takahashi's presentation at AWLC14:
The new geometry gave 1.5 MGy/year of radiation dose at the peak location. (2600 bunches were assumed.)
The new geometry had 40 cm diameter and the tungsten shield for radiation protection around the rotation seal.
- Omori's presentation at AWLC14:
Radiation test at Takasaki:
We continue the test in 2014.
Test CN only.
Dose: 0.1 MGy – 3 MGy, with small steps

(2) Actual plan of this year:

Omori presented the tentative plan.

- We will make the test at JAEA Takasaki laboratory.
- We will use the Co60 gamma-ray source at the lab.
- We will use three bottle stands.
The bottle will be located at different distance from the source, 5cm, 30cm, and 60cm.
- We will put 15 sets of bottles.
A set consists of two bottles. Those are the bottle of the base oil and the bottle of ferromagnetic fluid.

- We will put all the sets at the first day.
Then we will pull out the sets at different timings.
We need 6 accesses in total including the first day.

- We can get the data from 0.1 to 4 MGy with small steps.
- A concern:
 - Too many accesses? (Takasaki is far from KEK)
 - Can we reduce number of accesses?
 - Can we get a supporter in Takasaki lab.?

Reported by T. OMORI

The date of the next meeting will be decided later.