Minutes of the 64th "ILC-CLIC e+ studies" meeting

Date: 18th (Wed.) May, 2016, 15:15 Jp (Time slot (bn'))
(bn')15:15(Jp), 9:15(Ukr), 8:15(CET), 1:15(US-IL), 23:15*(US-CA)
(* In US-CA, it is the previous day)

A part of Attendees (whom Omori was able to hear the voices):
Eugene(NSC-KIPT), Louis(CERN), Mikhailichenko(Cornell),
Andriy(Hamburg), Sabine(DESY), Wei(ANL), Wanming(ANL),
Takahashi(Hiroshima), Kuriki(Hiroshima), Yokoya(KEK),
and Omori(KEK)

Agenda:
1. Summary of the mini-workshop at KEK: Yokoya-san
2. Agenda of the CRWG at the Santander: Yokoya-san
3. Agenda of the Source WG at Santander: Wei-san and Kuriki-san
4. Spain-Japan industrial-academic collaboration: Takaheshi-san

Presentations and Materials:

http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20160518/
20160518-Yokoya_SummaryOfMiniWS.pdf

http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20160518/
CRWGsession-Santander-v1.pdf

http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20160518/
SourceGAgendav0.3.pdf

Summary of the discussions:

1. Summary of the mini-workshop at KEK:

   There was the mini-workshop of joint CRWG and CFS/e+ groups
   in 19-20 April at KEK.

   Yokoya reported the positron source related sessions
   of the mini-workshop.

   (a) Target system layout:

       4 possible layouts were discussed.

       • TDR remote handling by Jia Xuejun:
           Remote handling replacement.
           Take out used target vertical, store it while.

- Peter Sievers:
  Beam line shielded by fixed and mobile wall.
  Replacement by crane horizontally.
  Take out immediately from the tunnel.

- Okugi:
  Storage of used targets in working target region

- Ewan Paterson's suggestion
  Storage of used targets in nearby cavern (?).

(b) Photon dump design:

Max photon power ~300kW.
Needs official parameter lists of various cases
In particular, 10Hz collision at Ecm=250GeV (Ee=125GeV) necessary?

The conceptual design based on TDR by Kuriki.

In the Santander WS, we will make discussion on such issues again.

2. Agenda of the CRWG at the Santander:

Yokoya presented the time table of the CRWG sessions and joint session with source WG.

Please look at "CRWGsession-Santander-v1.pdf".

The CRWG sessions and CRWG-Source-CFS joint session will be on May 31st (Tue).

3. Agenda of the Source WG at Santander:

Kuriki presented the time table of the source WG sessions.

Please look at "SourceGAgendav0.3.pdf".

On May 31st (Tue.) we will have a source WG session, and the joint session with CRWG and CFS WG. Also the CRWG sessions on May 31st contains source issues. Then on June 3rd (Fri.), we again will have sourc WG session full day.

4. Spain-Japan industrial-academic collaboration:

Takahashi reported a Spain-Japan collaborative workshop held on May 13th at Spanish Embassy at Tokyo.

The name of the workshop was “COLLABORATION OPPORTUNITIES ON FUSION AND ACCELERATOR TECHNOLOGIES AND PROJECTS, BETWEEN SPANISH AND JAPANESE ORGANIZATIONS”.

There were about 20 attendees from Spain and 70 attendees from Japan. The attendees from two countries were people from industrial and academic sectors. There were two talks of ILC in the workshop.

This was actually the 1st one of the two successive workshops. The 2nd one will be the “Industrial Session” at Santander.

The industrial session will be afternoon of 1st(Wed)-June. It is the first attempt of the LC workshop series to have an industrial session. People from Spanish and Japanese industries, and people from Spanish government will attend the session. All of us are encouraged to join the session.

In future we hope that we can gradually extend the industry session to an Europe-Japan event, and finally to a worldwide event.

Reported by T. OMORI

The date of the next meeting is in the middle-end of June.
The exact date will be decided later.

The time slot is (c’)
(c')22:00(Jpn), 16:00(Ukr), 15:00(CET), 8:00(US-IL), 6:00(US-CA)

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