

Minutes of the 69th "ILC-CLIC e+ studies" meeting

Date: 6th (Mon.) February, 2017, 23:00 Jpn (Time slot (c))
(c) 23:00(Jpn), 21:00(Nvsbrsk), 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), Steffen(CERN), Iryna(LAL), Chehab(LAL),
Sabine(DESY), Andriy(Hamburg), Pavel Martyshkin(BINP),
Takahashi(Hiroshima), Kuriki(Hiroshima), Yokoya(KEK),
and Omori(KEK)

Agenda:

1. Date of Posipol 2017: Martyshkin-san and All
2. Positron WG: Yokoya-san

Presentations and Materials:

[http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20170206/
20170206-Yokoya_PositronWG.pdf](http://www-jlc.kek.jp/~omori/ILC-CLIC-e+Studies/20170206/20170206-Yokoya_PositronWG.pdf)

Summary of the discussions:

1. Date of Posipol 2017:

Martyshkin-san explained the possible plans of the date of Posipol 2017. Then we made discussion on it.

The candidate slots are following four weeks.

- (1) 28th(Mon)/August-1st(Fri)/September
- (2) 4th(Mon)-8th(Fri)/September
- (3) 11th(Mon)-15th(Fri)/September
- (4) 18th(Mon)-22th(Fri)/September

All colleagues will send their preferred and/or inconvenient week(s) to Martyshkin-san.

According to the past examples, the period of Posipol is around three days, you may specify the first half or last half of the week(s).

Contact address:

P.V.Martyshkin@inp.nsk.su

Deadline of the decision is the end of February.

All of you are encouraged to send your preference to Martyshkin-san.

2. Positron WG:

Yokoya-san reported the newly established Positron WG.

Two WGs were recently formed under Shin Michizono (LCC sub-director) in order to treat the staging issues.

Positron WG is lead by K. Yokoya.

Another WG formed for CFS related to staging, lead by H.Hayano (250GeV first stage).

Charges of Positron WG (from Shin):

- Evaluate undulator? Conventional? At 250GeV CM.
- Evaluate technical difficulty, cost (based on TDR), commissioning.
- Submit interim report by June 2017 (including essential R&D in 2018-19).
- Submit final report by 2017 end (including the proposal of positron scheme).
 - Note: deadline changed since the first version.
Now, final report by June 2017.

Members

- Germany
 - Andriy Ushakov, Gudrid Moortgat, Sabine Riemann, Peter Sievers, Benno List
- Japan
 - Tohru Takahashi , Tsunehiko Omori, Masao Kuriki, Kaoru Yokoya (chair), Toshiyuki Okugi, Akira Yamamoto
- US
 - Wei Gai

What to do actually in Yokoya's opinion:

- Make a plan of R&D for FY2017-2019
 - Main target: Nomura triangle issues
 - Include cost estimation for the R&D
 - Deadline: ~June this year
 - * Budget request for JFY2018 by summer this year
- Consistent design
 - Including
 - * Undulator: target, shielding of target region, target replacement scenario, photon dump
 - * e-driven: target, full simulation including transient loading, cavity cooling, target replacement, etc.
 - Must be sufficient for the central region group to discuss about the electron-side BDS tunnel.
 - No clear deadline but hopefully by summer.

Yokoya introduced recent related discussions in Japan/KEK.

- KEK budget situation.
 - Minimum amount in JFY2017 (starting Apr.2017).
 - Significant budget might come in JFY2018-19.
 - We must request summer this year.
- Japanese team should be active for the baseline.
- E-driven study (should) finish within JFY2017.
 - Target study needs ~100k\$ (1\$=100yen).
- KEK will request budget of JFY2018-2019 for undulator scheme. 500k\$???

Reported by T. OMORI

The date of the next meeting is in the first half of March.
The exact date will be decided later.

The time slot will be (bn).

(bn)16:15(Jpn), 14:15(Nvsbrsk), 9:15(Ukr), 8:15(CET),
1:15(US-IL), 23:15*(US-CA) (* In US-CA, it is the previous day)

- - -