

Minutes of the 46th "ILC-CLIC e+ studies" meeting

Date: 18th (Tue.) March, 2014, 16:00 Jpn (Time slot (b))  
(b) 16:00(Jpn), 9:00(Ukr), 8:00(CET), 1:00(US-IL), 23:00\*(US-CA)  
(\* In US-CA, it is the previous day)

A part of Attendees (whom Omori was able to hear the voices):  
Louis(CERN), Eugene(NSC-KIPT), Friedrich(DESY), Sabine(DESY),  
Felix Dietrich, Jeff(LLNL), Wanming(ANL), Kuriki(Hiroshima),  
Takahashi(Hiroshima), Urakawa(KEK), Yokoya(KEK), and Omori(KEK)

Summary of discussions:

1. Long pulse (1 m sec) flux concentrator:

There was no presentation in the meeting.

Omori just reported the result of the simulation by  
Dr. Pavel Martyshkin of BINP.

Dr. Pavel Martyshkin made s seminar at KEK on  
March 13th. In the seminar he presented the simulation  
study of flux concentrators. He made simulation of short  
pulse flux concentrators for SuperKEKB and long pulse  
(1 m sec) flux concentrators for ILC.

The simulation of long pulse flux concentrator showed  
that we could not keep pulse hight constant in time.

Pulse hight at the peak in space can be kept constant.  
However to do so, we have to increase the current as  
time goes. As the result, the pulse hight at downstream  
drastically increase as time goes.

We need to check the effect on the capture efficiency.

Omori will contact Dr. Pavel Martyshkin and get his  
slides.

Reported by T. OMORI

The date of the next meeting is 22nd April 2014.  
Time slot is (c')

(c')22:00(Jpn), 16:00(Ukr), 15:00(CET), 8:00(US-IL), 6:00(US-CA)