

MDI Phone Meeting

February 5th 2014, 14:00 – 15:00 UTC

<http://agenda.linearcollider.org/conferenceDisplay.py?confId=6276>

Present

K. Buesser, P. Burrows, T. Markiewicz, M. Oriunno

News from LCC PD Executive Board

The LCCPDEB is chaired by Hitoshi Yamamoto and meets usually every Monday by phone. Karsten in his role as the MDI-WG convener is a member of this board. The recently discussed topics are:

- The ILC machine group has been asked to present information about possible staging scenarios for the ILC at the upcoming Linear Collider Board meeting on February 20th at DESY. Hitoshi has asked Jim Brau to form a “Parameters Working Group” within the physics/detector organisation. The first task of the group is to collect physics related information that is relevant for the staging discussion, e.g. assumptions for the integrated luminosity at 250, 350 and 500 GeV and the implications for the physics programme. Members of the group are Jim, Tim Barklow, Keiskue Fujii, and Jenny List.
- The American Workshop on Linear Colliders AWLC14 will take place from May12-16 at Fermilab. Nothing is known yet about possible working groups and conveners. But it is safe to assume that MDI will take an important role.
- The next international LCWS will take place from October 6-10 in Belgrade, Serbia.
- Discussions with the ILC machine group, i.e. Mike Harrison and the Technical Board, seem to converge on that there will be only one ILC MDI group that lives in both worlds, machine and detectors. The main contact in the machine organisation will be the BDS group that will be formed by mainly CLIC experts. CLIC MDI work will continue within the established CERN structures, we need to do our best to keep the contacts close.
- There will be no official CLIC member in this MDI working group on request of the CLIC management. However, technical collaboration is expected and supported. Phil has kindly agreed to serve as a CLIC “envoy” within the MDI group, to make sure that communication in both directions is kept.

News from Site Studies

Tomo Sanuki could not participate in this meeting. He will come to DESY together with Masanobu Miyahara on February 17-18 to discuss general integration issues between CFS, machine and detectors with the EDMS group. Karsten and Klaus Sinram will participate in the discussions.

MDI Work Plan

Marco, Tom and Klaus Sinram have assembled a list of MDI topics and priorities in October 2012. Most of the topics focus on engineering challenges that are related to MDI, physics related questions are not covered. Some topics are actually covered rather well; one example is the work that is being done by the KEK cryogenics group on the common cryo supplies. Other topics seem to be dormant.

This list of topics needs to be revised with respect to the available resources and priorities. In addition it is very important to synchronise the work closely with on-going efforts in Japan. As it seems natural that many of the technical topics are being worked on in Japan, the input from the detector concepts and the machine would need to come through the MDI working group.

Investigation in Vertical Shafts for Asian Region

Vic Kuchler has sent an e-mail with some information about planned studies for vertical shafts at the Kitakami site. Apparently J-POWER will look into possibilities to realise a vertical access to the experimental hall. ARUP has been asked to be involved as well, taking into account the results of the underground hall studies for flat top areas. The MDI group is invited to take part in the next CFS meeting on February 25th.

Plans for AWLC14

So far, no working groups or conveners have been defined for the upcoming workshop in May at Fermilab. However, it can be expected that MDI will play the usual role there. Taking into account the experience of the Tokyo LCWS, we should try hard to avoid concurrent parallel sessions for MDI, BDS and CFS as far as topics of common interest are involved.

AOB

The next MDI phone meeting should take place in the beginning of March. Input from the CFS meeting on February 25th and from the DESY meeting with Tomo Sanuki should be discussed. In addition we should know better about the plans for AWLC14.