

Plans for the software pre- meeting in January in Paris

Frank Gaede

DESY

ILD Software WG Meeting

December 12, 2009

charge of the SW pre-meeting

ILDWS 2010

After the examination of our letter of intent by the International Detector Advisory Group and after receiving the ILCSC's permission to develop a Detector Baseline Design, we will gather in this meeting to elaborate our roadmap toward this DBD. The Research Director has provided us a workplan to achieve this report by end 2012.

The aim of this meeting is then to devise a detailed workplan and a timeline taking into account the design of the beam delivery system, the design of the hall for push-pull, the Lol's design of the ILD detector and its pending questions.

The baseline has to be composed of parts for which feasibility is proven. The necessary R&D and the means to accomplish them must be identified. A specific point to address will be the procedure to be used for estimating the readiness of the technical solutions we intend to fully simulate and retain in the baseline.

- as the ILD meeting itself, the SW pre-meeting will focus on the readiness and preparation of the software tools for the DBD report in 2012, i.e. address point 4 of RDs task list:

4. Develop a realistic simulation model of the baseline design, including faults and limitations.

- also other software related topics, e.g. SB2009 studies could be discussed

preliminary outline of meeting agenda

Frank Gaede, DESY, ILD Software Meeting 16.12.2009

The screenshot shows a web browser window with the URL <http://ilcagenda.linearcollider.org/conferenceDisplay.py?confId=4334&view=ilc&showDate>. The page content includes the ILD logo, the title "ILD Software Meeting", the date "Wednesday 27 January 2010" from 09:00 to 18:00 at Ecole polytechnique (Amphi Becquerel), and a description of the meeting's purpose. A material link points to the ILD2010 site. The agenda for Wednesday 27 January 2010 is as follows:

Time	Topic	Convener
09:10->10:40	Status of ILD Simulation	Paulo Mora de Freitas (LLR)
10:40	coffee break (20)	
11:00->12:30	Status of ILD Simulation ctd.	Steve Aplin (DESY)
12:30	lunch (1h30)	
14:00->15:30	Status of ILD Reconstruction Tools	Akiya Miyamoto (KEK)
15:30	coffee break (20)	
15:50->17:20	Core Software Tools and Plans for TDR2012	Frank Gaede (DESY)

- details to be finalized
- mostly 'invited' speakers
- let us know if you want to present a talk

Simulation subdetector contacts

- the **detailed and realistic** simulation of ILD subdetectors is crucial for defining the detector baseline by 2012
- -> need to have a responsible contact person per subdetector (technology) that
 - keep the simulation of the sub detector (Mokka driver) up to date. i.e. keep track of current developments in R&D
 - fix problems, issues with the corresponding code
 - improves the realism of the simulation code as needed/requested
- currently putting together a list of simulation contacts (~80% ready)
- ideally the contacts should come to the SW meeting and present the status and plans for 'their driver'