
Detector R&D Common Task Group

Brief Report



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For the Detector R&D Common Task Group

WebEx Meeting
December 9, 2008

Meeting



- **Reminder of group members:**
Jan Timmermans, Andy White, Franco Grancagnolo (deputy),
Tohru Takeshita Marcel Demarteau, Robert Carosi, Yury Tikhonov,
Aurore Savoy-Navarro, John Hauptman, Dhiman Chakraborty,
Ronald Lipton, Jean-Claude Brient, Wolfgang Lohmann
- **Membership is both “vertical” and “horizontal”, i.e., representation from the detector concept groups and the detector R&D collaborations**
- **We had our first face to face meeting at LCWS08; all members, except for Yury Tikhonov, were present**
- **We discussed how we should define our role**
 - **Everybody agreed that detector R&D will play a critical role after the submission of the LOIs**
 - **The submission of the LOIs by the detector concepts can be used to**
 - get an overview of the R&D being done
 - compare it to the needs
 - bring common R&D tasks under one common denominator

Mission



- The group agreed to submit a “mission statement” to the Research Director; this statement is currently being drafted
- “The Detector R&D common task group would like to help nurture the technologies needed to design and build the future detectors that will be needed to advance the scientific goals of a Linear Collider. To this end, the detector R&D common task group invites the Detector Concept Groups and horizontal R&D collaborations to work together to build a program that will:
 - be strengthened through collaborative effort
 - ensure that all critical R&D is covered
 - help and possibly facilitate the process of obtaining funding
 - explore synergies between the multitude of efforts
 - encourage common test infrastructures and in case these structures do not exist, work towards obtaining them
 - help in formulating a cogent, coherent long-term plan for detector R&D
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- We hope to have a signed off version of such a description of the role of the group in the next few weeks and use the R&D sections of the LOIs as a starting point for our activities



Monolithic Active Pixels

- Although not part of the ILC common detector R&D task group, a quick update on the ongoing effort to form a horizontal R&D collaboration on “monolithic active pixel detectors and vertical integration”
- After a whirlwind of emails from Chris and responses from the community, a special focus meeting was held at LCWS08
- This meeting was the first occasion for the participants to be face to face and directly voice their opinion
- The outcome of the meeting, I believe, was highly successful
- Everyone agreed on benefits of such a collaboration
- The directors were asked to name the “board”.
- So far, only one board member (Hans-Günther Moser) has been selected as European representative.
- There was a follow-up meeting at CERN on Nov. 25
- We are currently waiting for the appointment of at least two additional board members so that the board can start working.