

LCWS 2012

JOC Report

LCWS 2012

Joint Organizing Committee

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J. Fuster	IFIC Valencia	Exp.	Europe
M. Harrison	BNL	Acc.	Americas
S. Kanemura	Univ. Toyama	Th.	Asia
Y. Okada	KEK	Th.	Asia
M. Peskin	SLAC	Th.	Americas
M. Ross	FNAL	Acc.	Americas
D. Schulte	CERN	Acc.	Europe
S. Stapnes	CERN	Acc.	Europe
M. Thomson	Univ. Cambridge	Exp.	Europe
J. Wells	CERN	Th.	Europe
H. Yamamoto	Univ. Tohoku	Exp.	Asia
J. Yu	UT Arlington	Exp.	Americas

LCWS 2012 Physics & Detectors Program Committee

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Y. Okada	KEK	Th.	Asia
M. Peskin	SLAC	Th.	Americas
M. Thomson	Univ. Cambridge	Exp.	Europe
J. Wells	CERN	Th.	Europe
H. Yamamoto	Univ. Tohoku	Exp.	Asia
J. Yu	UT Arlington	Exp.	Americas

Plenary Program Discussion

JOC met 5 April and discussed the plenary program. The following suggestions were recorded, in no particular order.

Post-2012

- If there is a new organization for the post-2012 Linear Collider established, with a Director, we should have a talk by the Director on the plan for the future (see session on machine designs below).

Higgs factory

- After a discussion, a consensus emerged, assuming the light Higgs is still of interest by October, for two or three talks on the Higgs factory covering:
 - Physics goals and requirements
 - Detector issues (might be combined with above talk, or not)
 - Review of considerations and approaches for the accelerator

Plenary Program Discussion (2)

JOC met 5 April and discussed the plenary program. The following suggestions were recorded.

CLIC Staging

- Two plenary talks on the status could include the physics program and the technical aspects of the collider evolution.
- the physics talk would go first, coordinated with the collider talk, beginning with a statement of the assumptions for the machine,
- which would be explained in the 2nd talk.

3 TeV

- A physics talk on why we need 3 TeV. What are the theories?
- How can we get indications as soon as possible that the higher energy LC would be likely to be fruitful?

Plenary Program Discussion (3)

Status of the machine designs

- a session covering the 3 machines and the future organization/direction would be a natural combination
- ILC TDR
- CLIC CDR w/costs
- post-2012 goals and organization - LCC Director (this is a repeat of the 1st item above)

Detector R&D

- general overview on the progress and status of detector R&D, the future needs, and the prospects for advances

Plenary Program Discussion (4)

Physics

- General overview of the future of HEP. In addition to collider physics, this would include rare decays and dark matter, with emphasis on how they might impact the LC.

Roadmaps

- Europe - status of the European Strategy. Open Krakow meeting will have been held in September. Francois LeDiberder's committee will have contributed during the summer.
- Asia - Suzuki might summarize the situation in Japan - what is happening, in the community, and on the political scene
- Americas – OS-HEP Director is a possibility to summarize the US program and the situation regarding participation in an LC
 - Also, the US community is preparing for a Snowmass Workshop in 2013 (June 2-22), with a community planning meeting October 11-13, 2012 at Fermilab. Therefore, include a report by the a co-chair of the energy frontier working group.

Plenary Program Discussion (5)

Future of the LHC

- For the Higgs physics of the LC, it is essential we get a better understanding of what is possible eventually with the LHC data. There has been little attention to this by the LHC experiments, but it will also be of interest in the European Strategy Process. If someone is chosen to summarize this situation at Krakow they would be a good candidate to present that at LCWS.

DBD

- reports by SiD and ILD