

e^+e^- Colliders: The Next Generation

KET workshop series on Germany's
strategy for the future of particle physics

May 2 & 3, 2016 Max-Planck-Institut für Physik, München



Program Organising Committee

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|--------------------------|------------------------------|
| • S. Bethke (MPP) | • W. Hollik (MPP) |
| • K. Desch (U Bonn) | • J. Mnich (DESY) |
| • E. Elsen (CERN) | • M. Schumacher (U Freiburg) |
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| • S. Bethke | • A. Schielke |
| • W. Hollik | • F. Simon |
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| • H.G. Moser | |



The aim of this workshop is to present an overview of the currently discussed options for e^+e^- colliders. The ensuing discussion should help to form a consensual strategy of the German high energy physics community. This could serve as a preparation for a new European strategy which should emerge in 2017/18.

Monday May 2:

- 13:00 - 13:20 welcome & intro - motivation; projects overview
- 13:20 - 14:05 Theory I - SM precision (ew, QCD, Higgs, top)
- 14:05 - 14:20 Discussion
- 14:20 - 15:05 Theory II - BSM (precision and high energy)
- 15:05 - 15:20 Discussion
- 15:20 - 15:50 ----- coffee -----
- 15:50 - 16:35 CEPC - technology, timelines, analysis highlights
- 16:35 - 16:50 Discussion
- 16:50 - 17:35 FCC-ee - technology, timelines, analysis highlights
- 17:35 - 17:50 Discussion
- 17:50 - 18:30 drinks & discussion
- 18:30 Bavarian Buffet & discussion

Tuesday May 3:

- 9:00 - 9:45 ILC - technology, timelines, analysis highlights
- 9:45 - 10:00 Discussion
- 10:00 - 10:45 CLIC - technology, timelines, analysis highlights
- 10:45 - 11:00 Discussion
- 11:00 - 11:30 ----- coffee -----
- 11:30 - 12:15 Summary - physics, technologies, timelines,
- 12:15 - 13:00 Discussion
- 13:00 - 14:00 ----- lunch -----
- 14:00 - 15:00 Discussion, ad-hoc presentations, ...
- 15:00 - 15:30 Conclusions (strategic recommendations and plans)
- 16:15 - 17:15 MPP colloquium: J. Fuster, lepton colliders overview

Teilchenbeschleuniger



24/7 Onlineshop!

Home > Wissen > Physik > Cern > Steinmarder setzt Teilchenbeschleuniger außer Betrieb

30. April 2016, 12:27 Uhr Kurzschluss

Steinmarder setzt weltgrößten Teilchenbeschleuniger außer Gefecht



Ein Wiesel hatte den LHC vorübergehend außer Gefecht gesetzt. (Foto: AP)



■ Ein Steinmarder hat am Kernforschungszentrum Cern einen Kurzschluss verursacht.

ANZEIGE

<http://www.sueddeutsche.de/wissen/kurzschluss-wiesel-setzt-weltgroessten-teilchenbeschleuniger-lhc-ausser-gefecht-1.2974691>



Monday 02 May 2016

Theory Session (13:00-15:20)

time	title	presenter
13:00	Welcome Address and Introduction	BETHKE, S.
13:20	Theory I - SM precision (ew, QCD, Higgs, top)	HEINEMEYER, Sven
14:05	Diskussion	
14:20	Theory II - BSM (precision and high energy)	MOORTGAT-PICK, Gudrid
15:05	Discussion	

Coffee break (15:20-15:50)

Circular Collider Session (15:50-18:30)

time	title	presenter
15:50	CEPC - technology, timelines, analysis highlights	WANG, Yifang
16:35	Discussion	
16:50	FCC-ee - technology, timelines, analysis highlights	ZIMMERMANN, Frank
17:35	Discussion	
17:50	General Discussion	

Dinner break: Bavarian Buffet (18:30-19:30)

Evening Session (19:30-20:30)

time	title	presenter
19:30	Food for Thought: Physics Case	
19:50	Food for Thought: Will FCC-ee delay FCC-hh?	

Tuesday 03 May 2016

Linear Collider Session (09:00-11:00)

time	title	presenter
09:00	ILC - technology, timelines, analysis highlights	LIST, Jenny
09:45	Discussion	
10:00	CLIC - technology, timelines, analysis highlights	BURROWS, Phil
10:45	Discussion	

Coffee break (11:00-11:30)

Summary Session (11:30-13:00)

time	title	presenter
11:30	Summary - physics, technologies, timelines	ZEITNITZ, Christian
12:15	Discussion	

Lunch break (13:00-14:00)

Conclusions Session (14:00-15:30)

time	title	presenter
14:00	Discussion, ad-hoc presentations, ...	
15:00	Conclusions (strategic recommendations and plans)	

MPP Colloquium (16:15-17:15)

time	title	presenter
16:15	Future Colliders, physics case and status of the Linear Collider	FUSTER, Juan