



Report from Physics WG

Keisuke Fujii
on behalf of the Physics WG
September 27, 2017

J*apan* **A***ssociation of* **H***igh* **E***nergy* **P***hysicists*

Town Meeting

on July 22

JAHEP Statement

Scientific Significance of the ILC and Proposal of its Early Realization in light of the Outcomes of LHC Run 2

<http://www.jahep.org/files/JAHEP-ILCstatement-170722-EN.pdf>

The draft was approved by the JAHEP after 3 hours of discussions with small suggested modifications.

It was shown to LCB on August 9 and revised a little bit.

The updated statement is available from

<http://www.jahep.org/files/JAHEP-ILCstatement-170816-EN.pdf>

The English version of the Report from the Asai Committee was just made public today.

<http://www.jahep.org/files/ILC250GeVReport-EN-FINAL.pdf>

ILD Physics Papers

- CP mixture in $H \rightarrow \tau^+ \tau^-$: Daniel (being reviewed)
- $e^+e^- \rightarrow bb$: Roman / Francois (1709.04289)
- **CPV in Top : Marcel (today)**
- Higgsinos : Tomohiko (Jackie) / Suvi
- Higgs self-coupling : Claude / Jumping / Masakazu
- Anomalous HVV couplings : Tomohisa / Junping
- ...

<https://confluence.desy.de/display/ILD/Drafts+of+papers+and+notes>

EPS Proceedings Papers

- Top : Naomi (distributed)
- TGC : Robert (distributed)
- Higgsinos : Suvi
- Anomalous HVV couplings : Tomohisa
- $e^+e^- \rightarrow bb$: Sviatoslav
- ILC's NP discovery potential : Jenny (LCC Pays. WG)

<https://confluence.desy.de/display/ILD/ILD+conference+talks>

LCWS Abstracts

Please let the physics WG conveners know if you have already submitted or plan to submit abstract to physics sessions of the Strasbourg Meeting.

Conveners' ML:

ild-physics-conveners@desy.de

Use this mailing list to forward your abstract.

Physics focus schedule

Sep. 27: Top/QCD (Frank)

Oct. 11: Higgs/EW (Akiya)

Oct. 18: preparation for LCWS (KF)

new results for LCWS should be shown to ILD at latest here.

Oct. 25: LCWS

Nov. 8: BSM/NP (Jenny)

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Use this mailing list to send your talk request.