

Report from PSB

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ILD Ichinoseki meeting

K. Kawagoe

<https://confluence.desy.de/display/ILD/ILD+Publication+and+Speakers+Bureau>

M. Berggren, I. Bozovic-Jelisavcic , D. Jeans, K. Kawagoe (Chair)

Ex-officio: T. Behnke, M. Winter

Monthly phone meeting since May 2017

Outline

- Publication rules
- Status of publications
- Status of conference talks

Publication rules

- Presentation at IA meeting in Strasbourg (Oct 25, 2017)
- Draft v3.3 circulated to ILD (Nov 3, 2017)
 - No further comments received.
- Voting for approval of the rules under way
 - To be closed on next Monday (Feb 26, 2018).

Topical papers in progress

1. “Higgs to tau-tau CP analysis” by Daniel Jeans
 - Reviewers: Graham Wilson and Klaus Desch
 - **A new draft delivered to the reviewers (December 11, 2017)**
 - Reviewer’s feedback coming soon, and then distribute the draft to ILC.
 - An indico page was created for the review.
2. “Full simulation study of the process $e+e \rightarrow b\bar{b}$ at $\sqrt{s} = 250$ GeV at the ILC”, Sviatoslav Bilokin (LAL) et al.
 - Reviewers: Keisuke Fujii and Mikael Berrgren
 - Already in arXiv: <https://arxiv.org/abs/1709.04289>
 - **Paper draft (to be submitted to a journal) being prepared.**
3. “Sensitivity to anomalous VVH couplings at the ILC”, Tomohisa Ogawa (Sokendai) et al.
 - Reviewers: Jenny List and Ivanka Bozovic-Jelisavcic
 - **Draft for reviewers being prepared**
4. “Naturalness and light Higgsinos”, Suvi, Tomohiko, et al.
 - Reviewers: Daniel Jeans + Akimasa Ishikawa
 - **Draft for reviewers being prepared**

ILD-PHYS-2017-001

CP-violating top quark couplings at future linear e^+e^- colliders

- Authors: W. Bernreuther, L. Chen, I. Garcia, M. Perello, R. Poeschl, F. Richard, E. Ros, M. Vos (ILD+CLICdp+theorists)
- Reviewed by Junping Tian and Daniel Jeans
- <https://arxiv.org/abs/1710.06737>, submitted to EPJC
- The review process of EPJC went very smoothly – now “accepted for publication”
- However, the editor decided to publish it in the category “Tools for Experiment and Theory”, not in “Regular Articles”. The authors are not satisfied by this decision.
- EPJC editor: “we usually classify articles based on MC studies and not on experimental data for the tools section of EPJC. This is to avoid confusion between real measurements and descriptions of the potential of future experiments.”
- However, many articles based on MC studies have been published in the category “Regular Articles”.
- The authors sent a letter to protest against the decision, and are waiting answer.
- Reported and discussed at IA meeting yesterday: ILD will take appropriate actions depending on the answer from EPJC.

ILD notes

- So far only one technical note:
 - ILD-TECH-PUB-2017-001: 12 June 2017, "Impact of Beam-Gas Interactions of the IP region of ILD", Robert Karl and Jenny List.
- However, we would expect many ILD notes to be written in 2018, both public and internal ones, as inputs to the ILD document to be prepared by the end of this year.
 - Internal Note: no review process
 - Public Note: one reviewer, feedback from ILD
 - Some of them may develop to (topical) papers (submission to journals)

Conference proceedings

- A “light-weight” review being performed
 - EPS-HEP 2017: 4 (ILD) + 2 (LCC)
 - 13th Rencontres du Vietnam: 1 (ILD-related)
 - CHEF2017: 4 (ILD-SWECAL)
 - LCWS2017: 3 (ILD)
 - surprisingly small number of proceedings: 8 in total, including 3 from ILD

Status of conference talks

- Trying to improve our conference talks in quantity and quality, by submitting ILD abstracts, circulating slides/posters, arranging rehearsal talks, and reviewing proceedings:
 - ALPS2017
 - EPS-HEP 2017
 - 13th Rencontres du Vietnam
 - VERTEX 2017, CHEF 2017, IEEE NSS/MIC 2017
 - LCWS 2017
 - HEP 2018 conference in Chile, IAS Program on HEP (Hong Kong)
- We will do more/better
 - ALPS2018 (April 15-20)
 - (ILC conference talks group: “Physics case for the 250 GeV stage of ILC”)
 - ICHEP 2018 (July 4-11, Seoul)
 - (ILC conference talks group: “Physics case for the 250 GeV stage of ILC”)
 - ILD abstracts to be submitted (deadline next Wednesday)
 - Higgs → tau-tau CP analysis
 - ee → bb at 250 GeV
 - Light Higgs search
 - Contributions to ALCW2018 in Fukuoka and LCWS2018 in UTA