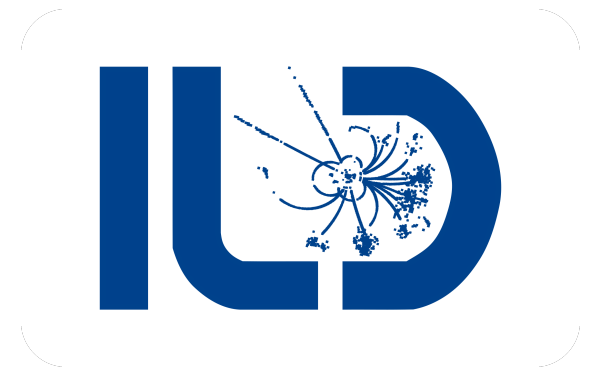




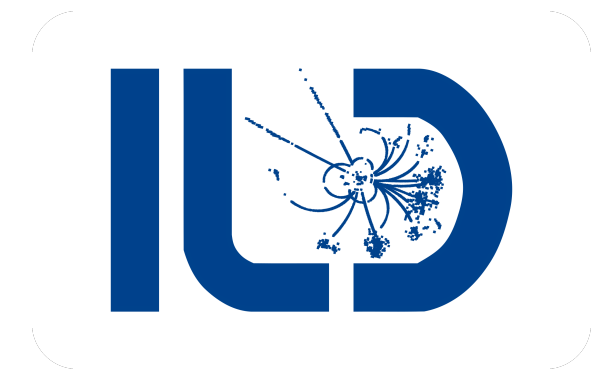
Physics Coordination Report

K.Fujii & J. List,
ILD Software & Analysis Meeting,
October 11 2017

Preparation for LCWS



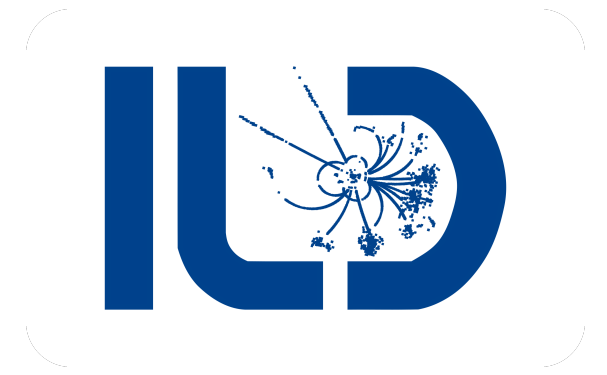
- reminder:
 - ILD results presented at LCWS need to be shown to ILD before
 - last chance for that: sw/ana meeting next Wednesday!



Accepted ILD talks Higgs/EW

- Study of anomalous VH couplings at the ILC
- Speaker: Tomohisa Ogawa
- Study of $H\gamma Z$ coupling using $e^+e^- \rightarrow \gamma H$ at the ILC - Speaker: Yumi Aoki
- Complementary Higgs mass measurements at ILC - Speaker: Graham W. Wilson
- Branching ratio measurement of $h \rightarrow \mu^+\mu^-$ at the ILC- Speaker: Shin-ichi Kawada
- Higgs mass measurement using recoil method and jet direction method at e^+e^- - Speaker: Junping Tian
- joint ILD/SiD contribution:
Measurement of Charge TGC's and Beam Polarization in W Boson Production at the 250 GeV ILC - Speaker: Tim Barklow (with R. Karl, J. List)

Accepted ILD talks BSM

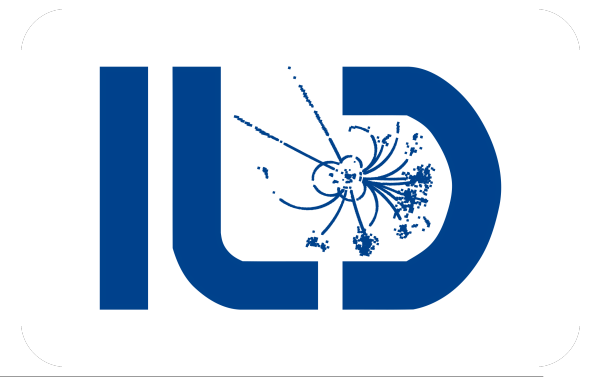


- Tomohiko Tanabe: Light Higgsinos from Natural SUSY (stable since EPS)
- Suvi-Leena Lehtinen: SUSY fits in stau coannihilation (remote) (not ILD)
- Christian Drews: Charged Higgs bosons search at ILC for a collision energy of 1 TeV
- Hiroaki Yamashiro: Fermion pair productions at ILC 250 GeV
- Yan Wang: Light higgs in association with a Z boson (update today!)
- Moritz Habermehl: WIMP search in the Mono-Photon (remote)

plus BSM-related in sim/rec/tracking:

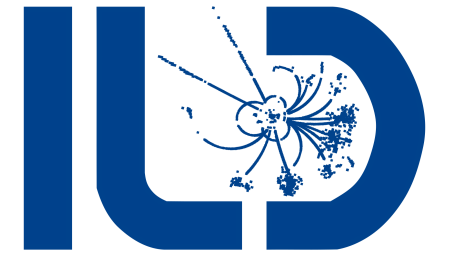
- Swathi Sasikumar : Hadron Production in Photon-Photon Processes at the ILC and BSM signatures with small mass differences (SW+vertex) (update next week)
- Madalina Chera : Gaugino Property Determination as Performance Study for Fast Detector Simulation at the ILC (stable since long time)

Accepted ILD talks Top



- ???

Status of LCC Physics WG paper on 250 GeV



- Michael Peskin is collecting input
- full version expected next week