

ILD Physics Conveners Meeting

Lyon, April 25, 2017

Thursday: Software for Physics Analyses

- So far talks foreseen from each WG:
 - top: Roman
 - Higgs/EW: Junping
 - BSM: Mikael

250 GeV: Top/Bottom

- bb ~ nearly done, pub in prep
- single top? Not worthwhile? -> Marcel checks

250 GeV: Higgs/EW

- SM Higgs BR's etc: mostly ok, H->WW Milan
- M_W:
 - immediate estimate -> Graham previous work
 - full sim: Robert
- cTGCs:
 - zeroth order extrapolation: 250 GeV ~ 2x worse than 500 GeV
 - checks, comparisons 500 GeV vs 1 TeV, etc: Robert

250 GeV: BSM

- WIMPs: Moritz
- ZX, $M_X < 125$ GeV: Yan
- light extra bosons?
- exotic decays of Higgs?

Publications

- $H \rightarrow \tau\tau$: draft circulated, waiting for implementation of comments \rightarrow Daniel ?
- Higgs self-coupling: waiting for Masakazu ?
- $ee \rightarrow bb$: in prep
- Higgsinos: in prep

ILD Physics WG pages

- Keisuke started
- every convener should ask for an account -> Frank
- WG pages to be filled by conveners - or conveners may nominate a WG member to be responsible ;-)

Next conveners meeting

- week of May 22?
- expect decision on EPS abstracts by “mid May”