Status of Common Generator Samples

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Generator

- **1 TeV**
  - ◆ $\nu\bar{\nu}h$: signal done. tt(6f) as background done. yet to be copied to GRID after fixing file names, …
  - ◆ $t\bar{t}h$, $t\bar{t}bb$, $t\bar{t}Z$: done (50k events), on GRID
  - ◆ $4f$ for WW : done. Generated 1ab⁻¹ samples on GRID
  - ◆ $2f$: done and on GRID. ($ee\gamma$ with a cut for ee)
  - ◆ Pair backgrounds: done 1300 BX on GRID (~ ½ of bunch train)
  - ◆ Low Pt, $\gamma\gamma$ background (pythia): done but not on GRID
  - ◆ High Pt $\gamma\gamma$ and eγ background (whizard): done but not on GRID
  - ◆ High Pt $\gamma\gamma$ mini-jets : Need optimization of generation level cut.
- **Note**
  - ◆ $\nu\bar{\nu}h$, $t\bar{t}h$,8f, at least 1 ab⁻¹ samples, except low Pt backgrounds. Analysis group should request, if need more.
  - ◆ Simulation : # of events enough to produce results with 0.5 ab⁻¹ each for -80%/+20% and +80/-20%
  - ◆ $4f$, $2f$: Limit the number of sim. events by expected systematic errors.

Generator

- ■ 500 GeV
  - ◆ $6f$ for tt : New samples will be produced with new GDE 500 GeV parameters

GRID catalog

- Common generator samples are/will be placed at

  /grid/ilc/prod/ilc/mc-dbd/generated/
     1000-B1b_ws/[2f, 4f, 6f, aaae, eepairs, higgs, tth]

- Job log directories are

   /grid/ilc/prod/ilc/mc-dbd.log/generated/
      1000-B1b_ws/[2f, 4f, 6f, aaae, eepairs, higgs, tth]

- Meta information of generated samples are
     http://ilcsoft.desy.de/dbd/generated
     http://www-jlc.kek.jp/~miyamoto/mc-dbd.log/generated