Status of Monte Carlo Samples for IPT Studies

Nov. 26, 1996

(Located in DAFM04$DKA300:[PRJ350.VTX_TRIG1.MC])

New "Policy"

1. **Generator level files will stay in subdirectory [.4VEC] until they are GEANTed.**
2. **Files deleted from [.4VEC] area will be backed up to tape.**
3. **GEANT level files will stay in subdirectory [.DATA] until ... ?**
4. **D0 upgrade naming convention will be followed.**

Generator Level (in subdirectory [.4VEC])

- $p\bar{p} \rightarrow t\bar{t}$ **(all decay channels)**

  UPG_TT170ALL1_IS714_A.ISA - 10,000 events

  UPG_TT170ALL3_IS714_A.ISA - 500 events

  UPG_TT170ALL5_IS714_A.ISA - 300 events

  UPG_TT170ALL5_IS714_B.ISA - 300 events

GEANT Level (in subdirectory [.DATA])

- $p\bar{p} \to b\bar{b} \to B + X \to J/\Psi + K_s$, **where** $J/\Psi \to \mu^+\mu^-$ **and** $K_s \to \pi^+\pi^-$

  UPG_BBPSIKSA0_IS714_A.GEN - 1,205 events

  UPG_BBPSIKSX0_IS714_A.GEN - 165 events (2μ;p_T^μ >1.5GeV; $|\eta^\mu|$ <1)

  UPG_BBPSIKSX1_IS714_A.GEN - 77 events (2μ;p_T^μ >1.5GeV; $|\eta^\mu|$ <1)

  UPG_BBPSIKSX3_IS714_A.GEN - 165 events (2μ;p_T^μ >1.5GeV; $|\eta^\mu|$ <1)

  UPG_BBPSIKSX5_IS714_A.GEN - 165 events (2μ;p_T^μ >1.5GeV; $|\eta^\mu|$ <1)

- $p\bar{p} \to t\bar{b} + X$ **or** $p\bar{p} \to tq + X$ **or** $p\bar{p} \to t\bar{b}q$, **where** $W \to \mu$

  UPG_ST180QTB0_PY560_A.GEN - 3,305 events

  UPG_ST180XQT0_PY560_A.GEN - 10,000 events

  UPG_ST180XTB0_PY560_A.GEN - 9,500 events

  UPG_ST180XTB1_PY560_A.GEN - 1,979 events

  UPG_ST180XTB3_PY560_A.GEN - 1,324 events

  UPG_ST180XTB5_PY560_A.GEN - 114 events

  UPG_ST180XTB5_PY560_B.GEN - 184 events

  UPG_ST180XTB5_PY560_C.GEN - 38 events

- $p\bar{p} \to t\bar{t}$ **(all decay channels)**

  UPG_TT170ALL0_IS714_A.GEN - 550 events

  UPG_TT170ALL0_IS714_B.GEN - 2,740 events

  UPG_TT170ALL0_IS714_C.GEN - 695 events

  UPG_TT170ALL1_IS714_A.GEN - 336 events

  UPG_TT170ALL3_IS714_A.GEN - 447 events

  UPG_TT170ALL5_IS714_A.GEN - 250 events

  UPG_TT170ALL5_IS714_B.GEN - 46 events

Reconstruction Level (in subdirectory [.RECO])

- **None so far...**