N8 D3PD

- user08.MassimilianoBellomo.ganga.PythiaZmumu_1Lepton.e347_s462_r635_ewpa328
  from mc08.106051.PythiaZmumu_1Lepton.recon.AOD.e347_s462_r635_tid046177

- user08.MassimilianoBellomo.ganga.210.20090423
  from mc08.109236.PythiaZtautaull_2Leptons.recon.AOD.e379_s462_r635_tid046754

- user08.MassimilianoBellomo.ganga.213.20090504
  from mc08.105013.J4_pythia_jetjet.recon.AOD.e344_s479_r635/

- user08.MassimilianoBellomo.ganga.217.20090507
  from mc08.105200.T1_McAtNlo_Jimmy.recon.AOD.e357_s462_r635/

- user08.MassimilianoBellomo.ganga.218.20090507
  from mc08.106021.PythiaWmunu_1Lepton.recon.AOD.e352_s462_r635/

- user08.MassimilianoBellomo.ganga.219.20090507
  from mc08.106022.PythiaWtaunu_1Lepton.recon.AOD.e352_s462_r635/

- ?
  from user09.FabrizioPetrucci.mc08.108405.PythiaB_bbmu15X.AOD.recon.e388_tid042962

- ?
  from mc08.106005.PythiaDrellYanLowM_mu2p5mu2p5.recon.AOD.e359_s462_r635/

- ?
  from sample Ztautau CSC

FastValidator

- Provide a standard procedure to validate D3PD (Gabriella e Max)
  - ★ comparing ntuple variables to AOD quantities

- Procedure
  - ★ run D3PD making on order kevents AODs
  - ★ run FastValidator in standalone from produced D3PDs
  - ★ run FastValidator in Athena from SAME kevents AODs
  - ★ compare plots from SAME events: should perfectly
    - ✳ comparisons with ROOT macro or DCube

- Documentation on twiki page to be provided soon

- Each group making a subset of Nx production is expected to make these tests at least on 1 dataset from its list

Action items

W,Z signal selections	Max, Claudio, Daniela, Tommaso
W,Z signal re-weighting with single particle efficiencies	Max, Claudio, Daniela
QCD background to W	Marianna, Matthias (?)
QCD background to Z	Max, Tommaso, Matthias (?)
EW background to W	Gabriella
EW background to Z	Tommaso
MET performance	Max U
trigger performance	Max + ?
muon performance	Max, Claudio
acceptances from MC generators (ISR, FSR, PDF, NLO corr.)	Silvia + ext from Rome2
momentum scale corrections	Fabrizio, Ada, Toni
single particle efficiencies determination from data	Max, Claudio
effect on mis-alignment, mis-calibration, mis-etc on W selection	Claudio, Fabrizio
effect on mis-alignment, mis-calibration, mis-etc on Z selection	Claudio, Fabrizio
effect of pile-up and cavern background on W selection	?
effect of pile-up and cavern background on Z selection	?
ATLFAST-II studies	?
D3PD productions	all
AOD production with mis-effects	Marianna, Fabrizio, Ada
ATLFAST-II productions	Ada
tools and checks for D3PD productions	Max, Gabriella
EWPA developments	Max, Claudio + ?
SM Muon validation	Max, Gabriella

Next meetings

- For each item a brief report for status/plans

- Next week (20/05) concentrate meeting on **W analysis**

  ★ Event re-weighting (Max)

  ★ MET studies (Marianna)

- Next-to-next week (27/05) concentrate on **background studies on W,Z**

  ★ Data available, main observables, first selection

  ★ QCD Z (Max)

  ★ QCD W (Marianna)

  ★ EW Z (Tommaso)

  ★ EW W (Gabriella)

- Goal is to prepare a summary note <u>BEFORE</u> start of data taking

  ★ to be finalized in coming months across summer