LOGS FOR V+JETS ANALYSIS

This page is supposed to be a logbook for our VJETS analysis and the related software development. All users are welcome to contribute.

ANALYSIS STRATEGY

- Use particle flow reconstruction machinery alongwith PF2PAT tool in CMSSW.
- Events triggered by suitable path are subjected to following chain:
  - Preselection: We apply =Scrapping Filter, HBHENoiseFilter
  - Run PF2PAT and store the interesting objects in local storage
  - Apply Z/W filter from DelPanj and store information from passing events in flat trees.
  - Further analysis can be done with flat trees.

THE PACKAGE

This package started as a code for creating flat `TTrees` from the official CMS datafiles. It has three independent submodules:

- TreeMaker: This include following facilities
  - `eSelector`
  - `muSelector`
  - `ZeeFilter`
  - `ZmmFilter`
  - `EMuFilter` (Used for estimation of ttbar backgrounds in the Z (ee/μμ) final states).
  - `EventCounter`
- TreeMaker: We also have a wish-list for adding following facilities
  - `jetSelector`
  - `WENuFilter`
  - `WMNuFilter`
- TreeAnalyzer: Simple macros for analysing the `TTrees`, Fitting and Unfolding
- Scripts: Python scripts to perform certain functions like: submitting batchJobs at lxplus, killing your jobs, transferring from castor, cleaning castor etc.

ANALYSES CURRENTLY USING PACKAGE

INSTALLATION ON LXPLUS

-- AnilSingh - 28-Oct-2010

This topic: Sandbox > AnilPratapSinghSandbox
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