

Shoe

Cleaning & re-structure

Level0

- Folder not needed anymore:
 - Global and local reconstruction done at the same level
 - Only one executable for reconstruction (DecodeGlb)
- ➡ Remove folder:
 - Move all files/folder directly into Reconstruction
 - Change CMakeFiles.txt accordingly
 - Pushed in newgeom_v1.0
 - Seems to work smoothly

Configuration files

- TW configuration file:

```
// -+-+-+-----  
// Parameters for Analysis  
// -+-+-+-----  
EnableZmc:           0  
EnableNoPileUp:      0  
EnableZmatching:     1  
EnableCalibBar:       0  
EnableRateSmearMc:   0  
BarsN:               40
```

➔ Flag were before in the FootGlobal.par

Configuration files (ii)

- CAL configuration file:

```
// +-----+
// Parameters for Analysis
// +-----+
EnableArduinoTemp:      0
ClusteringAlgo:         "Padme"
```

- ➡ Add Arduino flag (was somehow hardcoded and run independent)
- ➡ Add also the clustering algorithm

Configuration files (iii)

- VTX-ITR configuration file:

[illegible]

- ➡ Add tracking flag
- ➡ Add the tracking algorithm
- ➡ Add MC pileup flag

Configuration files (iv)

- MSD configuration file:

```
// -+-+-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
// Parameters for Analysis
// -+-+-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
PedestalFlag:           0
TrackingFlag:         0
TrackingAlgo:         "Full"
PlanesForTrackMinimum:    3
SearchHitDistance:        0.03
Sensors:                  6
```

- ➡ Pedestal flag
- ➡ Add tracking flag
- ➡ Add the tracking algorithm

Conclusions & ToDo

- Remove level0
 - All detector analysis options are now in configuration files
 - Interfaced in action and reconstruction class
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- ➡ Still some clean up going on (macros-scripts: Yun)
 - ➡ Cleanup some old campaigns ?
 - ➡ Rename LocalReco(MC) to RecoRaw/MC
 - ➡ Changing name of EnableLocalReco and adding LocalRecoOnly to avoid confusion

NB: night builds on our server (sbgui10) are running smoothly every night at 23:30

- ➡ Some issue with MakeChi2Test in root (under investigation)
- ➡ Some pb with sending a mail (Permission denied: publickey ,password) in the script