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Data available @ LPSC

Real Data

pp LHC11c,d AOD106 7TeV

- AOD

- ◆ /data2/alice/real/aliAOD/LHC11c_pp7_Pass1_AOD106
- ◆ /data2/alice/real/aliAOD/LHC11d_pp7_Pass1_AOD106

- Correlation et isolation

- ◆ /cebafe/csilvestre/work/CaloTrackCorrelations/macros/ChargedNeutral/Multi/AnalysisRes
- ◆ avec les triggers MB ou EMCal

AOD LHC

- AOD

- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_MB
- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_TPCComplete
- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_TPCLowC08
- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_TPCLowC13
- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_TPCoffC08
- ◆ /data2/alice/real/aliAOD/LHC11h_PbPb_Pass2_AOD095_TPCoffC13

MC

gamma-jet 2.76TeV

- Correlation et isolation

- ◆ /cebafe/balbastre/CorrAnalysis/25_04_2012/simulation/GJ_EMCal/1,2,3,4,5,6/MergedAll.r
- ◆ Or /cebafe/csilvestre/work/CaloTrackCorrelations/rootfiles/GJ/
 - ◇ GJ_EMCal_TrigAnyINT_C1_pt*.root *={1,2,3,4,5,6} // Clusteriser V1
 - ◇ GJ_EMCal_TrigAnyINT_C1V2_Ecell150_Eseed100_DT0_WT30_pt*.root *={1,2,3,4,5,6} // Clusteriser V2

- ◆ il y a des histos de correlations et d'isolation, avec les triggers ANY

- ◆ Besoin de pondérer chaque pt bin avant de merger ($h \rightarrow \text{Scale}(\text{scale_factor})$; avec $\text{scale_factor} = \text{factor_bin} / \text{nevents}$; don't forget to `Sumw2()` ;) par les facteurs suivants divisés par le nombre de événements

facteurs_bin :

```
Bin1 1.76 e-7
Bin2 1.84 e-8
Bin3 2.36e-9
Bin4 3.65e-10
Bin5 6.69e-11
Bin6 1.27e-11
```

nevents :

```
TH1F* hNEvents = (TH1F *) list->FindObject("hNEvents");
double nevents = hNEvents->GetEntries();
```

jet-jet 2.76 TeV

- **Correlation et isolation**

- ◆ /cebafe/csilvestre/work/grille/PartIsoCorr/outputMerged/simu_pp2.76_JJ_EMICAL/169838/
- ◆ or /cebafe/csilvestre/work/CaloTrackCorrelations/rootfiles/JJ/
 - ◇ EMCAL_TrigAny_C1_pt*.root *={0,1,2,3,4,5,6,7,8,9,10} // Clusteriser V1
 - ◇ EMCAL_TrigAny_C1V2_Ecell150_Eseed100_DT0_WT30_pt*.root
 - *= {0,1,2,3,4,5,6,7,8,9,10} // Clusteriser V2

- - ◆ il y a des histos de correlations et d'isolation, avec les triggers ANY
 - ◆ Besoin de ponderer chaque pt bin avant de merger ex :

```

TH1F* hScale      = (TH1F *) list->FindObject("hScaleFactor");
double nmergedfiles = hScale->GetEntries();
double scale_factor_y = hScale->GetBinContent(1);
double scale_factor = scale_factor_y/nmergedfiles;
[...]
TH1F* h_temp = (TH1F *) list->FindObject(name);
h_temp->Sumw2();
h_temp->Scale(scale_factor);
hNoIsoPtTot[index_tot]->Add(h_temp);

```

-- CatherineSilvestre - 19-Jun-2012

This topic: Main > DataLPSC

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