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Results for HzzRandomConeStudy at 7TeV

Study details for V0

- flat distribution of random cones in η - ϕ plane
- spike removal NOT done
- used CMSSW_3_5_6

Data samples

MC

- Minimum bias samples with skimming from StephanieBaffioni (require 1 supercluster OR 1 GsfTrack)
- global tag `START3X_V26A`

Data

- Minimum bias samples with skimming from StephanieBaffioni (require 1 supercluster OR 1 GsfTrack)

`/MinimumBias/baffi-SKIM_V8_090410-e045f5285a6c02a4128ce75ea2918301/USER`

- global tag `GR10_P_V4`
- run and lumi selection as given by **PVT**

Show run selection Hide

```
lumisToProcess = cms.untracked.VLuminosityBlockRange(  
'133029:129-133029:350', '133029:101-133029:115', '132961:1-132961:427', '132440:157-132440:  
'132968:1-132968:173', '132596:382-132596:453', '132658:1-132658:177', '132477:74-132477:52  
'132440:141-132440:156', '132440:86-132440:138', '132440:85-132440:85', '132661:1-132661:13  
'133450:332-133450:658', '133450:1-133450:329', '133474:157-133474:189', '133474:1-133474:9  
'132477:1-132477:72', '132476:1-132476:83', '132716:593-132716:640', '132716:220-132716:591  
'132473:1-132473:29', '132960:1-132960:190', '132598:1-132598:188', '132656:1-132656:140',  
'132605:624-132605:829', '132605:446-132605:622', '132605:1-132605:444', '132602:1-132602:8  
'132601:261-132601:1131', '132601:209-132601:259', '132601:1-132601:207', '133483:652-13348  
'132662:167-132662:217', '132662:166-132662:166', '132662:132-132662:165', '132662:1-132662  
'133472:92-133472:106', '132599:381-132599:538', '132599:1-132599:379', '133082:595-133082:  
'133082:523-133082:592', '133082:1-133082:336', '132606:1-132606:37', '132605:831-132605:96  
'133483:161-133483:591', '133483:94-133483:159', '132959:278-132959:417', '132959:1-132959:  
'133158:65-133158:786', '132659:1-132659:84', '133509:60-133509:75', '133038:1-133038:70',  
'133448:1-133448:516', '133036:1-133036:225', '133446:105-133446:273', '133034:131-133034:3  
'133035:1-133035:306', '132965:1-132965:107', '133030:1-133030:29', '133031:1-133031:18',  
'133320:193-133320:196', '133320:104-133320:191', '133321:1-133321:383', '133046:45-133046:  
'133046:1-133046:43'  
)
```

Figures

Random cone distributions

Tracker Isolation

- tracker isolation with *jurrassic* veto to keep electrons from conversions
- cuts: $dR=0.3$, ...

ECal Isolation

HCal Isolation

- How to explain peak at 1 GeV for D1 isolation? It is contribution from two populations: barrel and endcap.
- Why is the HZZ4l had isolation much broader than the EGamma one?

CaloTower Isolation

Efficiency plots

-- RokoPlestina - 27-Apr-2010

This topic: Main > HzzRandomConeResults7TeV_V0

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