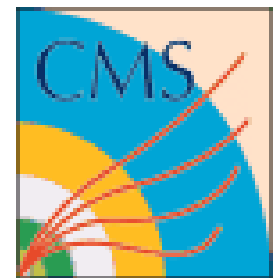


MP MC Alignment Update

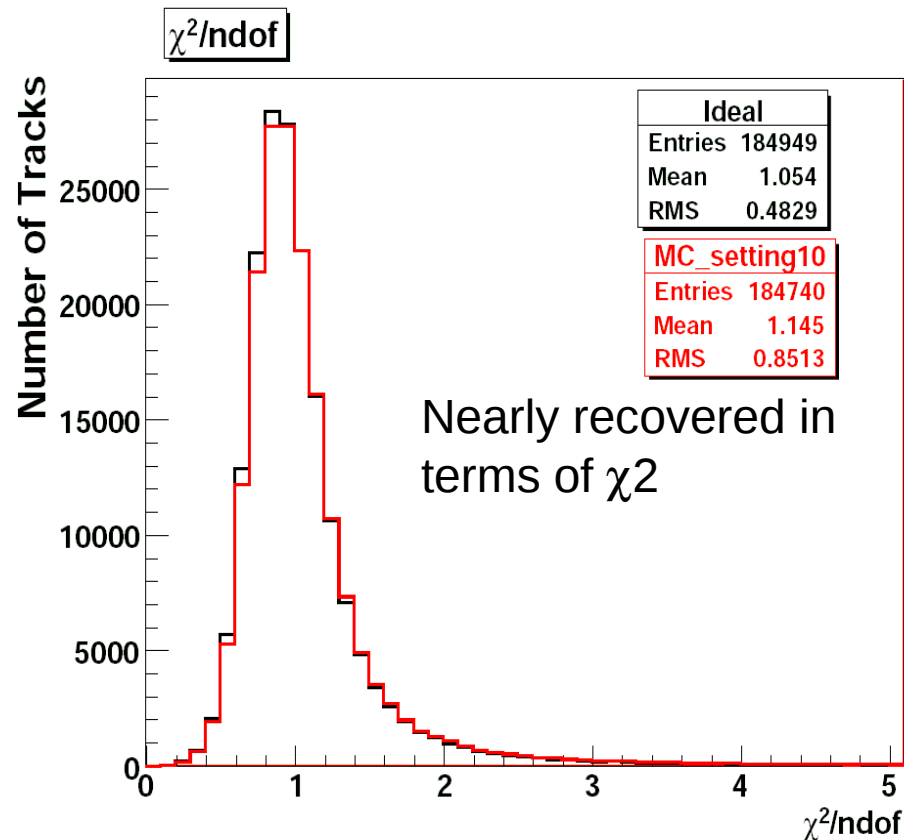
Jula Draeger, Gero Flucke
University of Hamburg



- Influence of systematic distortions on tracking parameter



- Setup:
 - Misalignment: TrackerSurveyLASonlyScenario
 - Alignment parameters:
 - R-flag in TOB

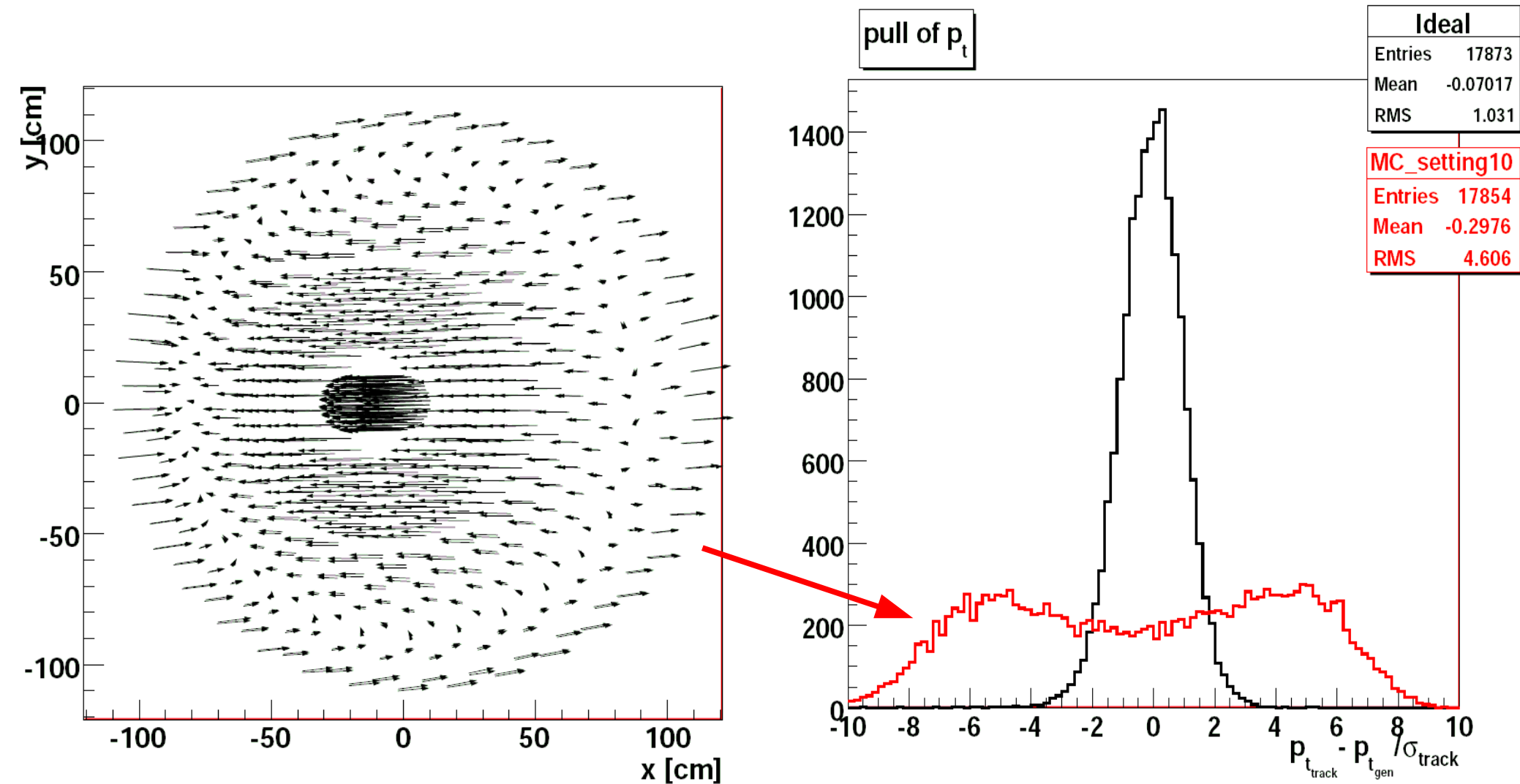


```

'TOBDetsLayers12,rrr00r',
'TOBDetsLayers36,r0r00r',
'TIBDetsLayers12,111111',
'TIBDetsLayers34,101111',
# 'TrackerTPEHalfDisk,111000',
# 'TrackerTPEBlade,111000',
# 'TrackerTPBLadder,111001',
# 'TrackerTECPetal,111000',
#####
##setting 6
#####
'TrackerTPBModule,111001',
# 'TECDetsLayers16,111001,endCapDS',
# 'TECDetsLayers16,101001,endCapSS',
# 'TECPetalsLayers79,111000',

'TECDets,111001,endCapDS',
'TECDets,101001,endCapSS',
#####
# 'TrackerTIDRing,111001'
'TIDDets,101001,endCapSS',
'TIDDets,111001,endCapDS'
),

```





MC_setting10a



- Setup:

- Misalignment: TrackerSurveyLASonlyScenario

- Alignment parameters:

- Presigmas from CRAFT

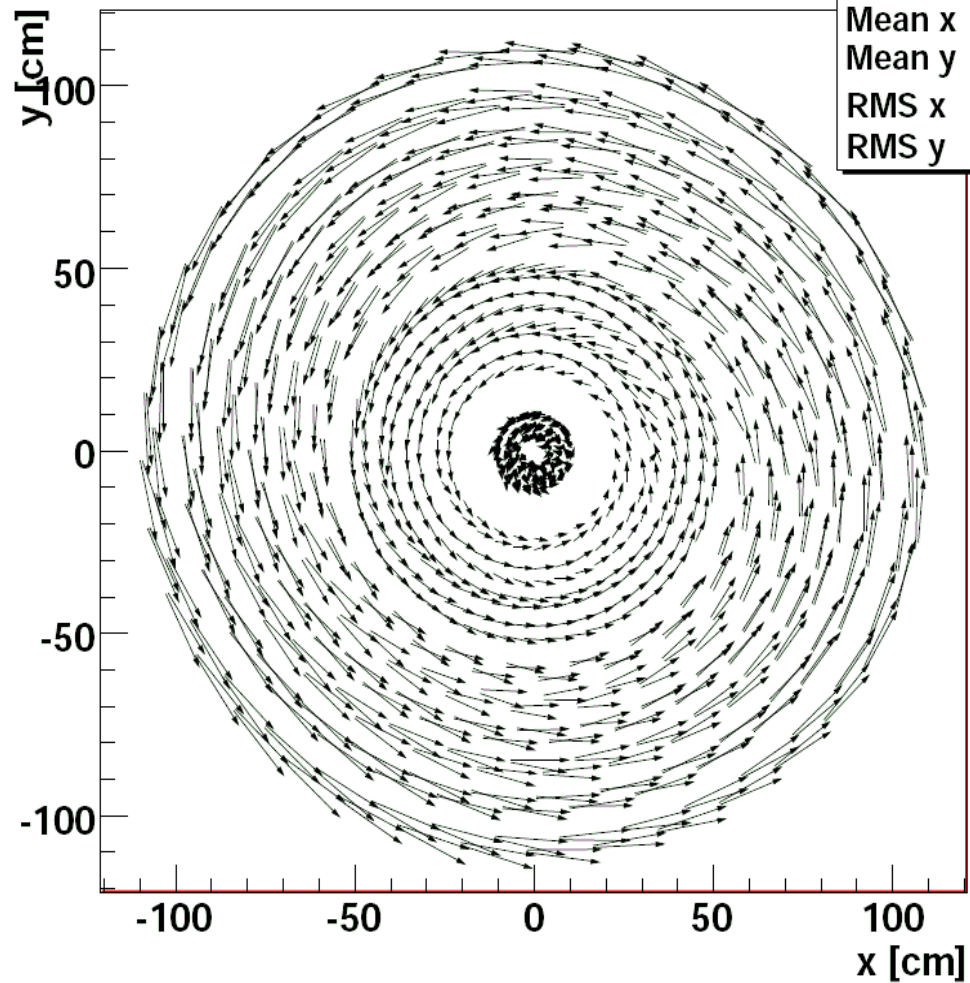
```
### 6 parameters for larger structures
'PixelHalfBarrels,111111',
#'TrackerTPEHalfDisk,111000',
'TrackerTOBHalfBarrel,111111',
'TrackerTIBHalfBarrel,111111',
'TrackerTECEndcap,111111',
'TrackerTIDEndcap,111111',
### det level for barrel
'TOBDetsLayers12,111001',
'TOBDetsLayers36,101001',
'TIBDetsLayers12,111111',
'TIBDetsLayers34,101111',
'TrackerTPBModule,111001',

### petal/disc/det level for endcaps
'TrackerTPEBlade,111001',
# 'TrackerTPBLadder,111001',

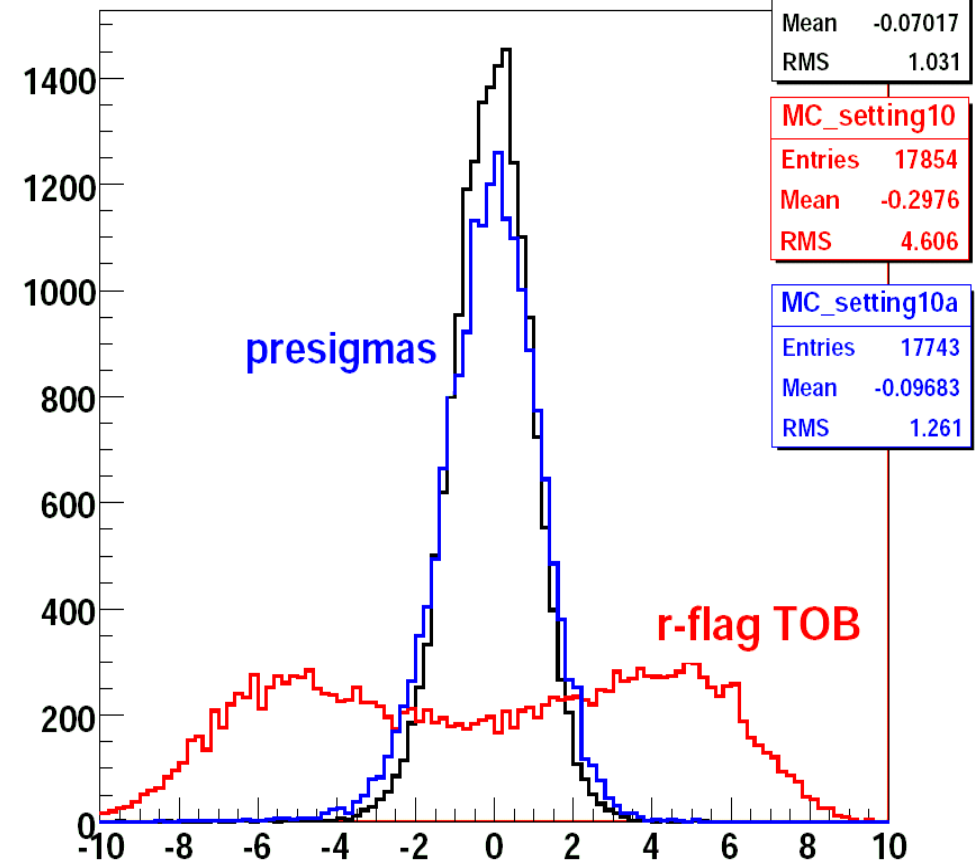
'TECDetsLayers12,111001,endCapDS',

'TECDetsLayers12,101001,endCapSS',
'TECPetalsLayers39,111001',
'TIDDets,101001,endCapSS',
'TIDDets,111001,endCapDS'
),
```

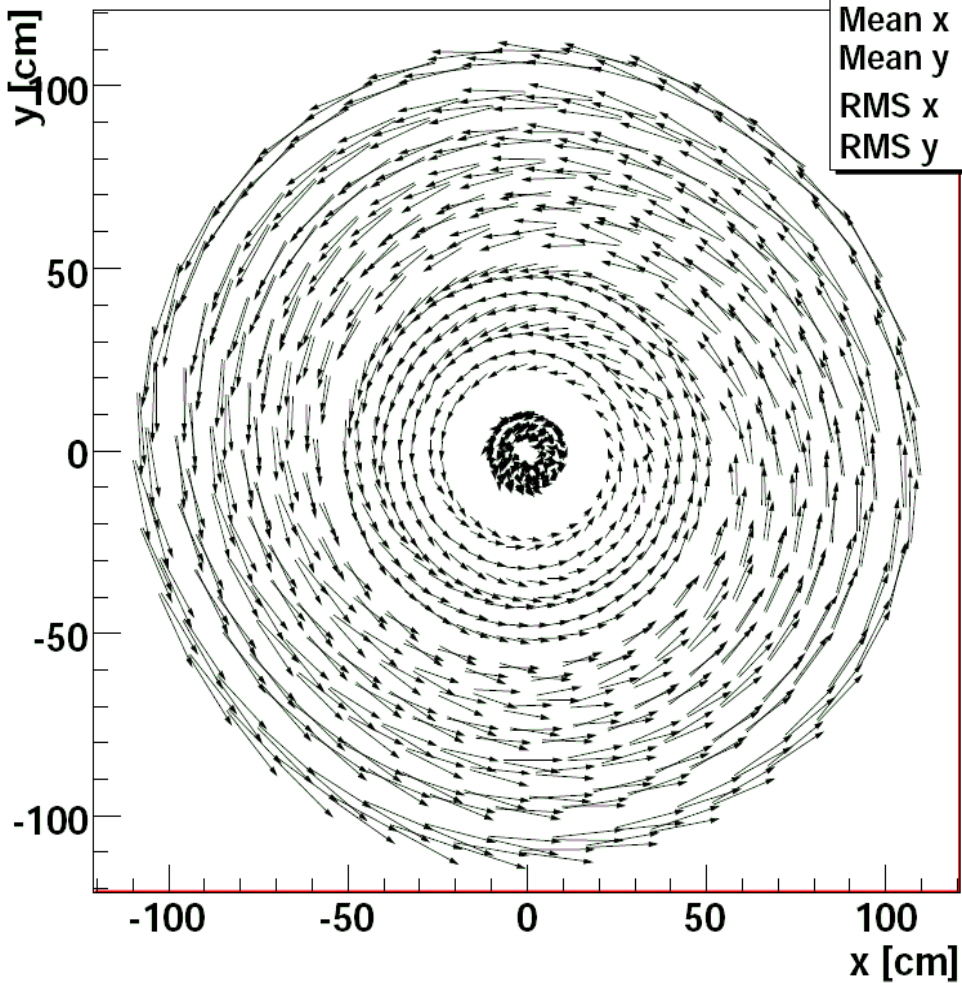
scale 1000: $-10 < z < 10$



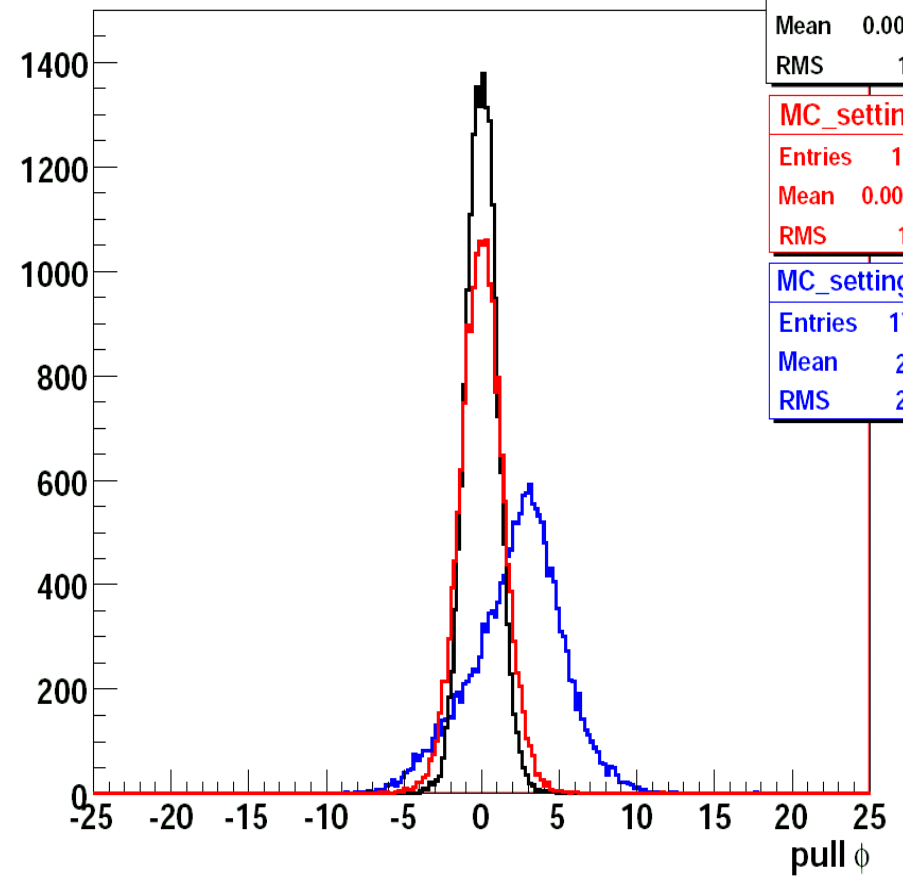
pull of p_t



scale 1000: $-10 < z < 10$



pull of ϕ parameter



- Combine use of presignmas and r-flag !!! (currently running)

