



PPS TB Meeting

筑波大学 和田

+ gear file 作成

□ Ixatut

- /data/data11/zp/swada/Work/ITKTB/work/run_cern_2017_may_itk/gear/gear_fe65long.xml gear_fe65.xmlを参考に変更

□ 並べた順番(上流から)

- <parameter name="Geometry" type="StringVec" value="Mimosa26.so Mimosa26.so FE65p2long.so FEI4Single.so Mimosa26.so Mimosa26.so Mimosa26.so"/>

□ FE65long

->AsicではなくPixelの配置？

```
</layer>
<!--APIX-Plane 0 - FE65p2long 30 -->
<layer>
  <ladder      ID="30"
              positionX="0.00"    positionY="0.00"    positionZ="220.00"
              rotationZY="0.0"    rotationZX="0.0"    rotationXY="0.0"
              sizeX="3.2"         sizeY="3.2"         thickness="0.150"
              radLength="93.660734"
  />
  <sensitive   ID="30"
              positionX="0.00"    positionY="0.00"    positionZ="220.00"
              sizeX="3.2"         sizeY="3.2"         thickness="0.150"
              npixelX="32"        npixelY="128"
              pitchX="0.100"      pitchY="0.025"      resolution="1.0000"
              rotation1="0.0"     rotation2="-1.0"
              rotation3="1.0"     rotation4="0.0"
              radLength="93.660734"
```

+ pixel geo 作成1

□ Ixatut23

- /data/data11/zp/swada/Work/ITKTB/ilcsoft20170515/ILCSOFT/v01-17-05/Eutelescope/v1.0/pixgeo/src/FE65p2long.cc

- Size (3.20×3.20×0.15)

- X: 1~64, Y: 1~64 (Asicの数?)

□ Boxを作った後の分割

- TGeoVolume* centreregion = _tGeoManager->MakeBox("fe65centreregion", Si, 1.6, 1.6, 0.075);

- TGeoVolume* centrerow = centreregion->Divide("fe65centrerow", 2, 128, 0, 1, 0, "N"); Y軸を128分割

- centrerow ->Divide("fe65centrepixel", 1, 32, 0, 1, 0, "N"); X軸を32分割

+ pixel geo 作成2

□ Ixatut23

□ /data/data11/zp/swada/Work/ITKTB/ilcsoft20170515/ILCSOFT/v01-17-05/Eutelescope/v1.0/pixgeo/src/FE65p2long.cc

□ Asicの(X, Y)からsensorの位置に変更

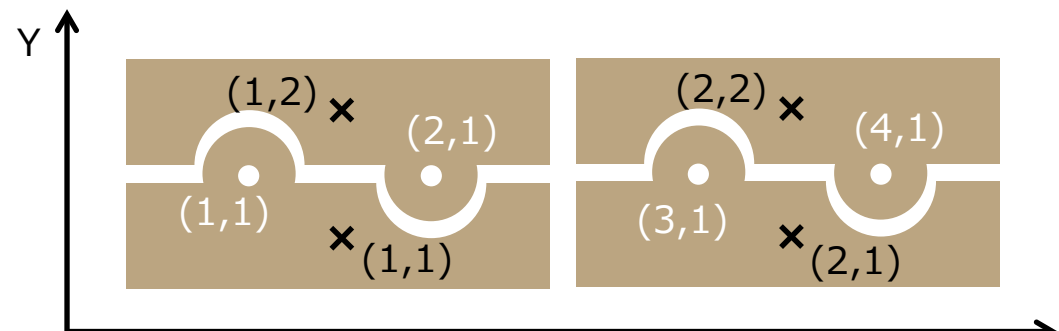
□ `if(x >= 1 && x <= 64){`

`if(x%2==1){snprintf(buffer, 100, "/sensarea_fe65_1/
fe65centreregion_1/fe65centrerow_%d/fe65centrepixel_%d", 2*y-1,
(x+1)/2);}`

`if(x%2==0){snprintf(buffer, 100, "/sensarea_fe65_1/
fe65centreregion_1/fe65centrerow_%d/fe65centrepixel_%d", 2*y, x/
2);}`

□ Xが奇数の時は下のPixel

□ Xが偶数の時は上のPixel



+ align-tmp.xml 変更

□ Ixatut23

- /data/data11/zp/swada/Work/ITKTB/work/run_cern_2017_may_itk/steering-templates/align-tmp.xml

□ Parameterをベタ書きしてあるところを変更

- `<parameter name="ResolutionZ" type="FloatVec"> @ResolutionZ@`
`</parameter>`
- `<parameter name="FixParameter" type="IntVec"> @FixParameter@`
`</parameter>`

□ Config fileでParameterを書く

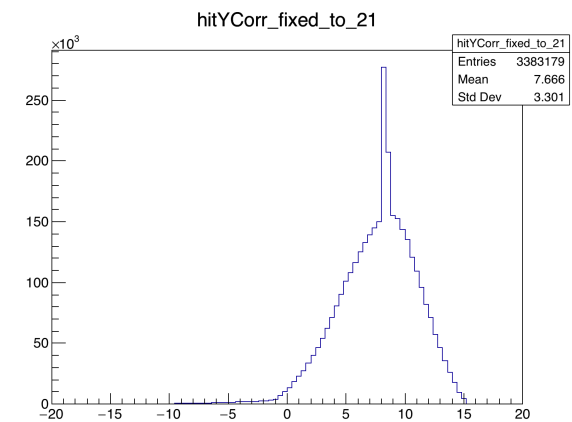
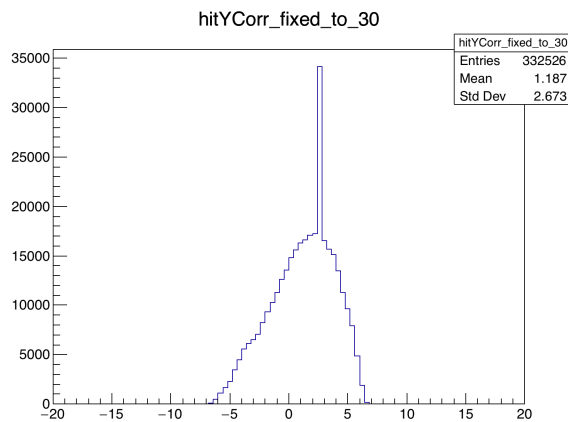
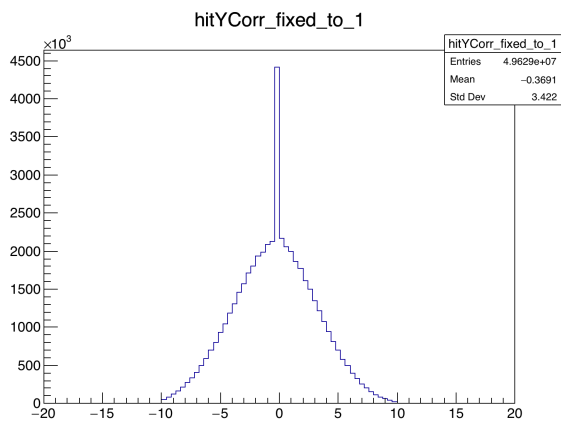
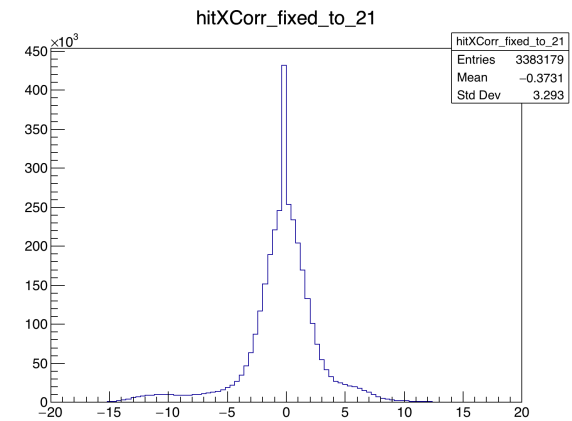
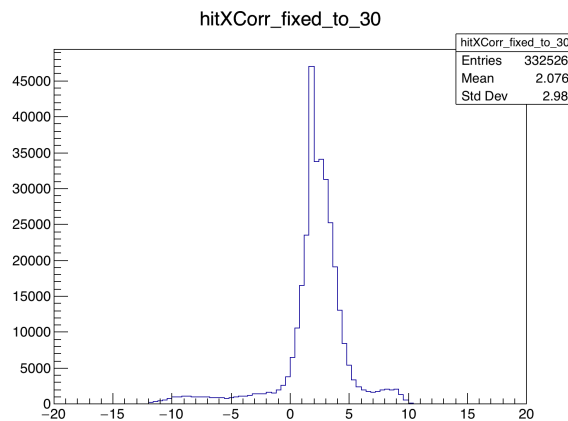
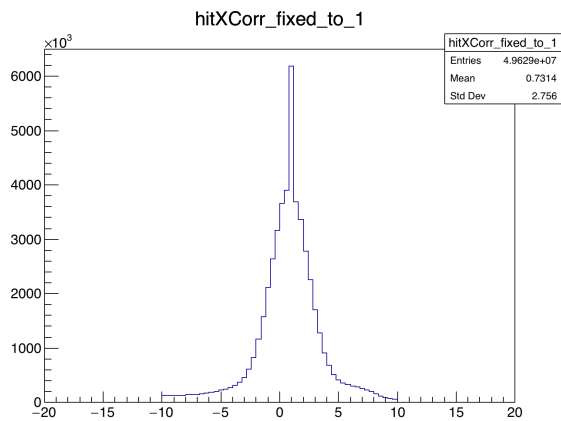
- ResolutionZ = 1000 1000 1000 1000 1000 1000 1000
- FixParameter = 0 0 0 0 0 0 0

+ Prealign 結果

Telescope1(2層目)

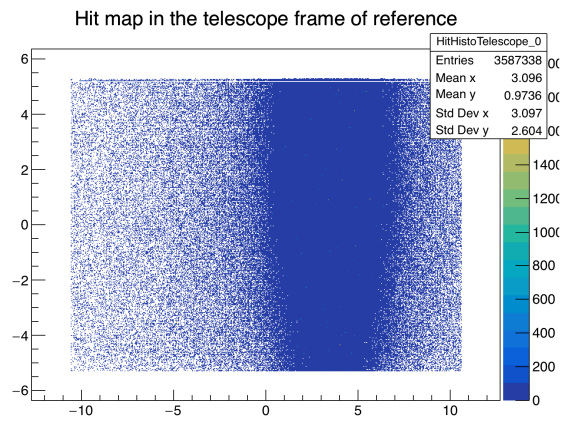
FE65

KEK83 reference

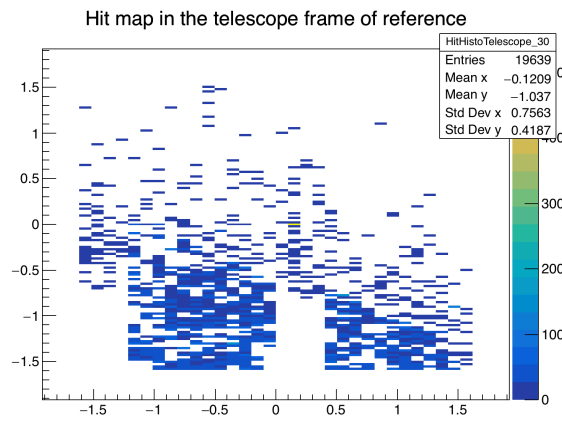


+ HitMap 結果

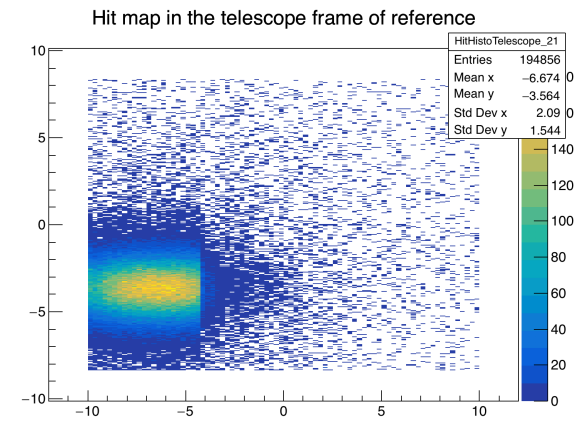
Telescope1(2層目)



FE65

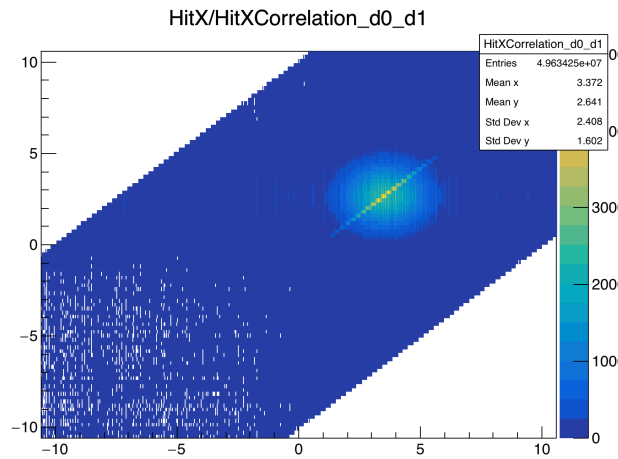


KEK83 reference

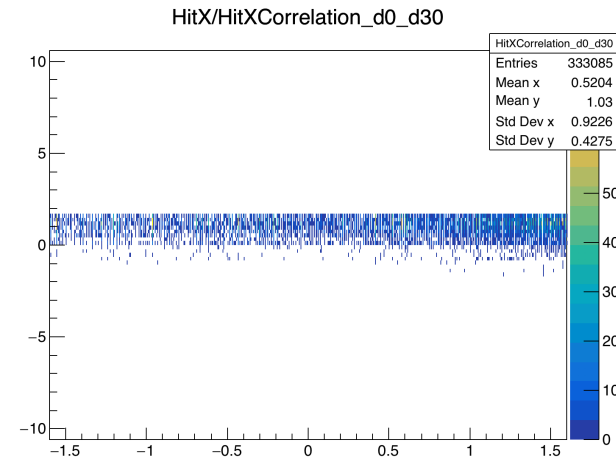


+ Correlation 異常

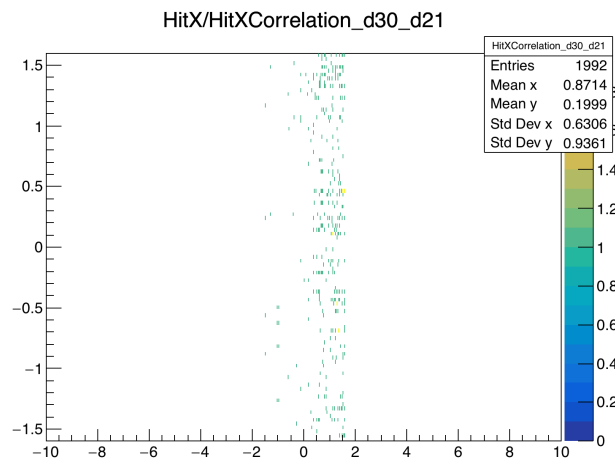
Telescope0 v.s. Telescope1



Telescope v.s. FE65



FE65 v.s. KEK83



KEK83 v.s. Telescope

