Pilot blade in recent global runs

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Global Runs in September

LHC Fill 5267
InjectionScheme 25ns_2220b_2208_1940_2036_96bpi_24inj

Date: 2016-09-01

Run number: from 279853 (at 13:14)

Run number: until 279865 (at 18:11)

All: around 5 hours





Pilot Blade configuration

3 modules configured (2 BmO + 1 BmI - signal splitted).

```
FPix_BmO_D3_BLD10_PNL1_PLQ1
FPix_BmO_D3_BLD11_PNL2_PLQ1
FPix_Bml_D3_BLD3_PNL2_PLQ1
```

WBC was shifted:

- 4 BX for *BpO*
- 3 BX for *Bml*

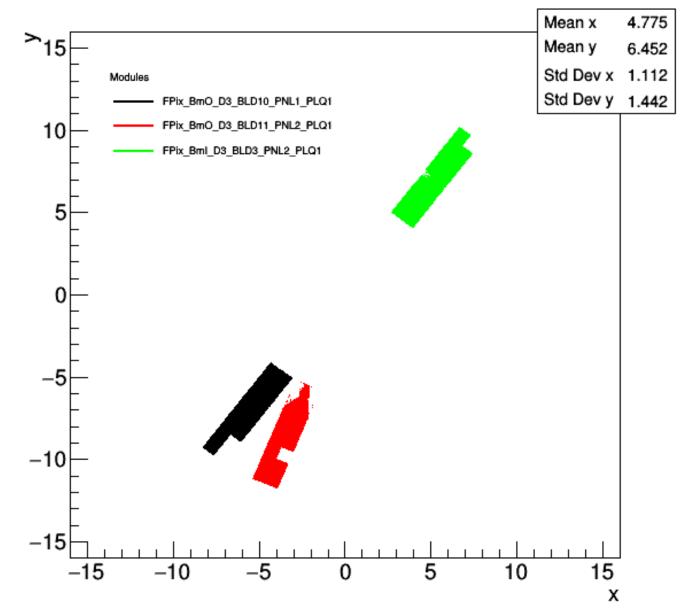
FED 40 included FED 1240 excluded (uTCA port)





Clusters

Clusters

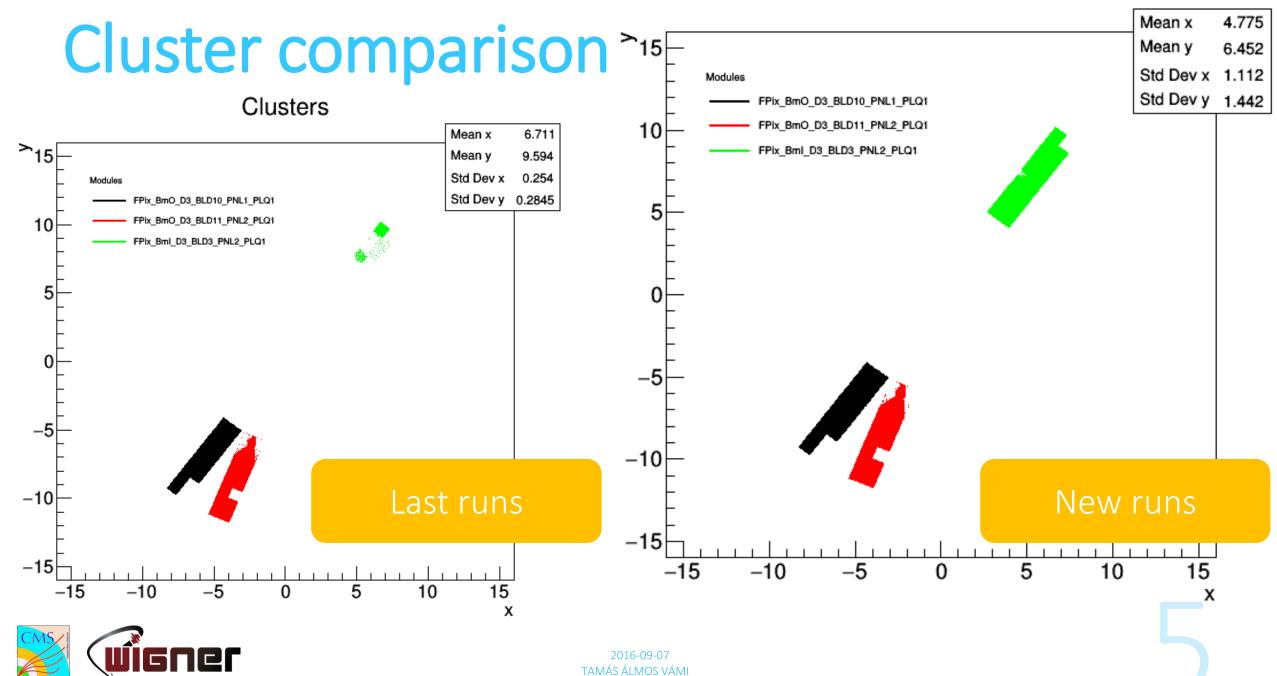


Global positions

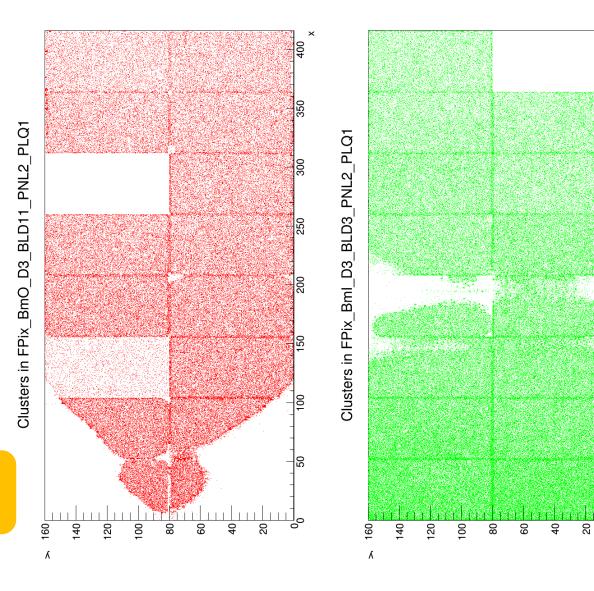


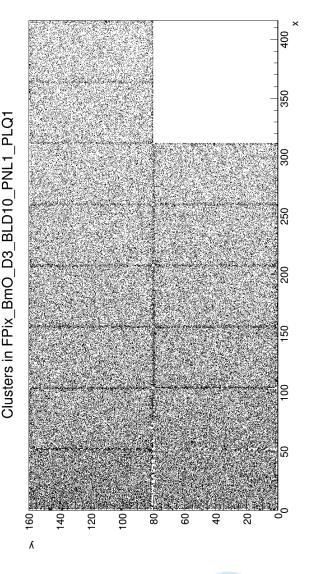


Clusters



Clusters



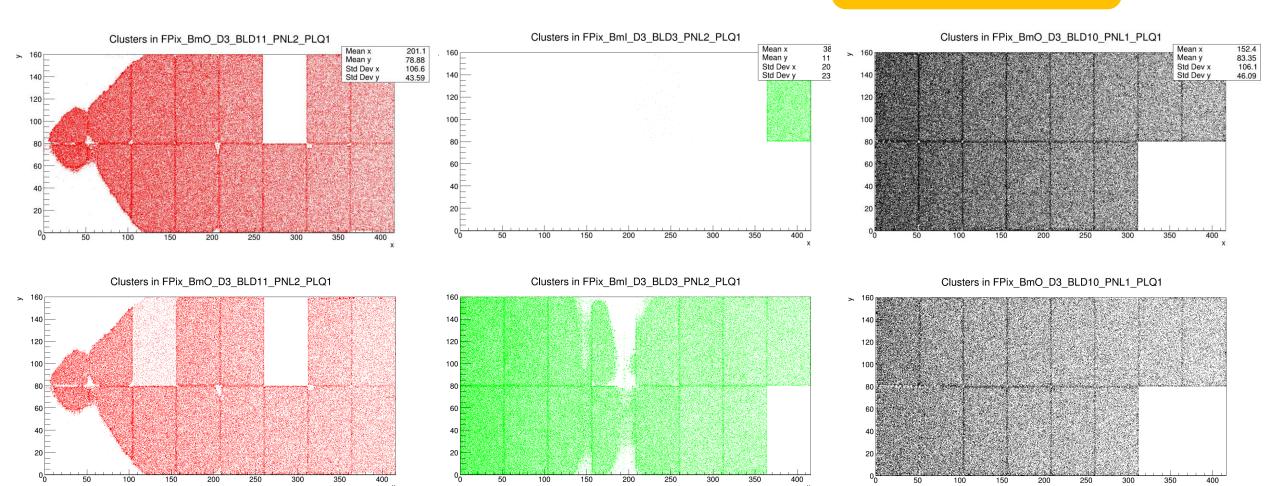


Local positions



Cluster comparison

Last runs





New runs

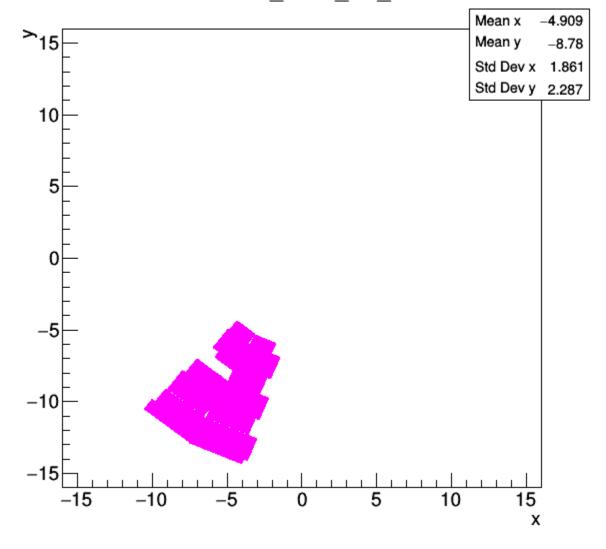
runs

Comparison blade

Disk 2 blade that is located before the Pilot Blades

To be able to compare with the Pilot Blade

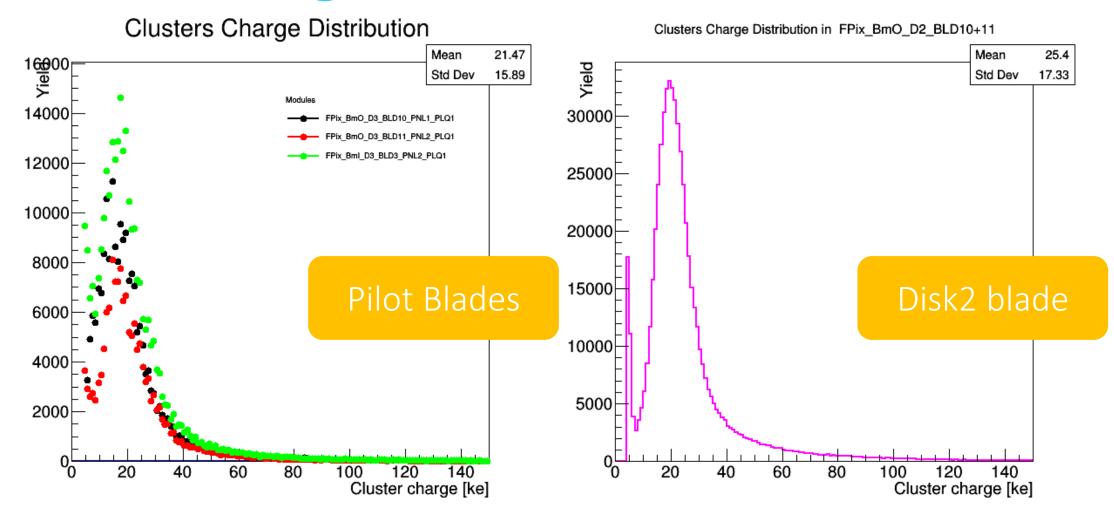
Clusters in FPix_BmO_D2_BLD10+11







Cluster charge

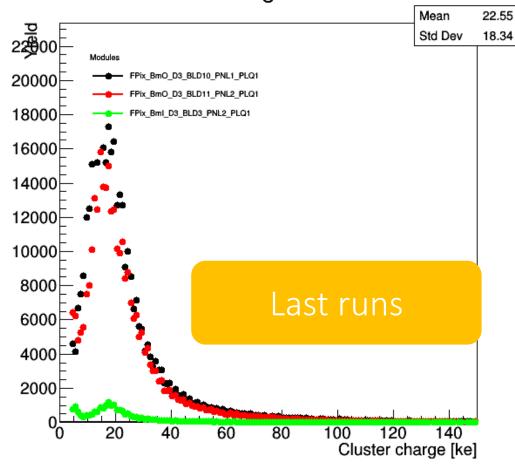




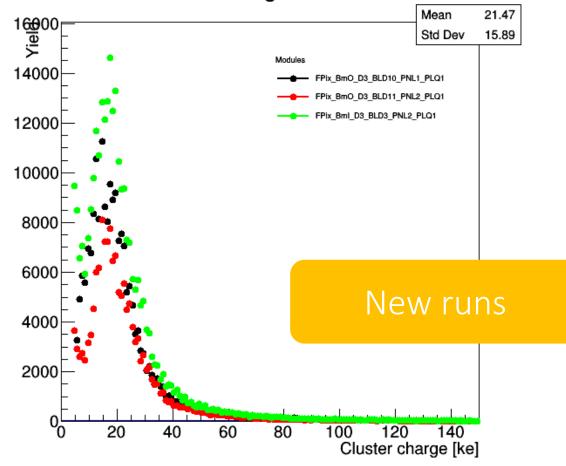


Cluster charge comparison





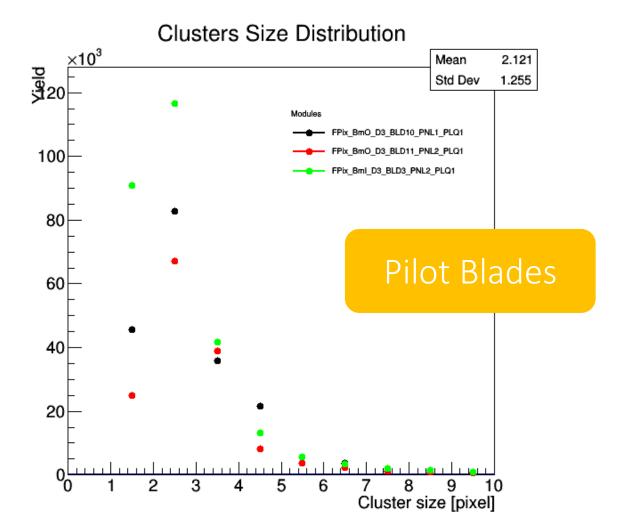
Clusters Charge Distribution

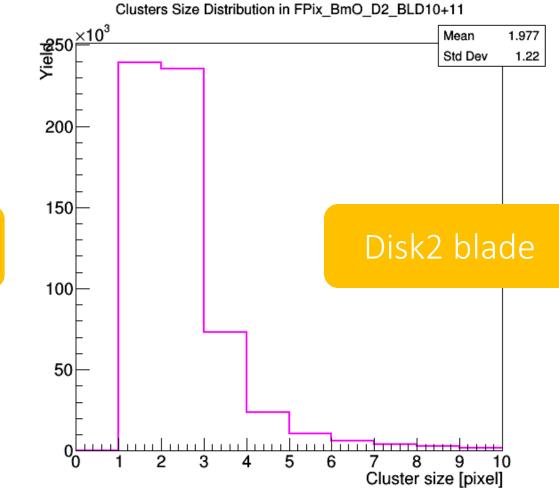






Cluster size

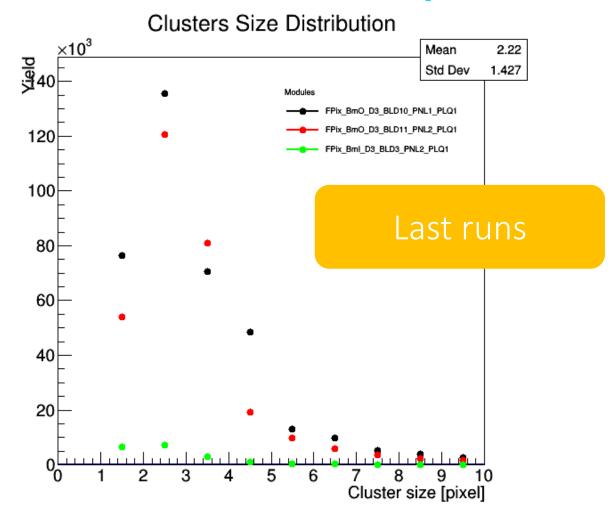


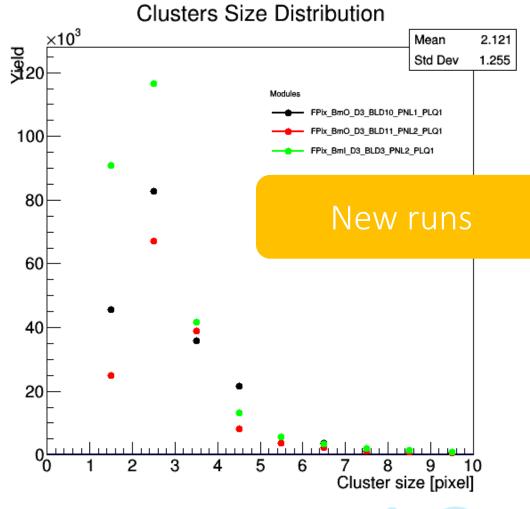






Cluster size comparison





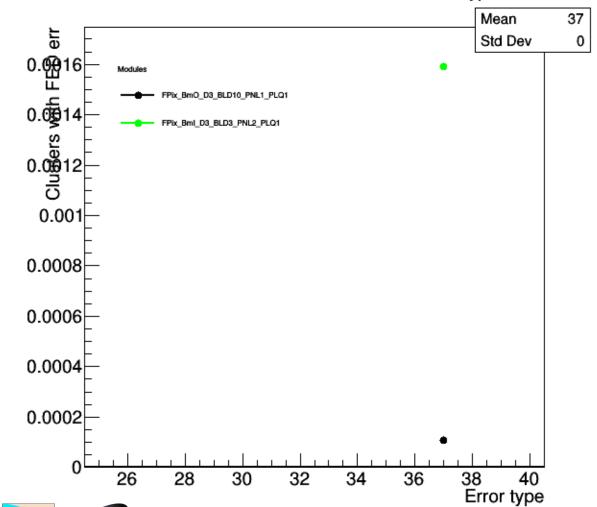




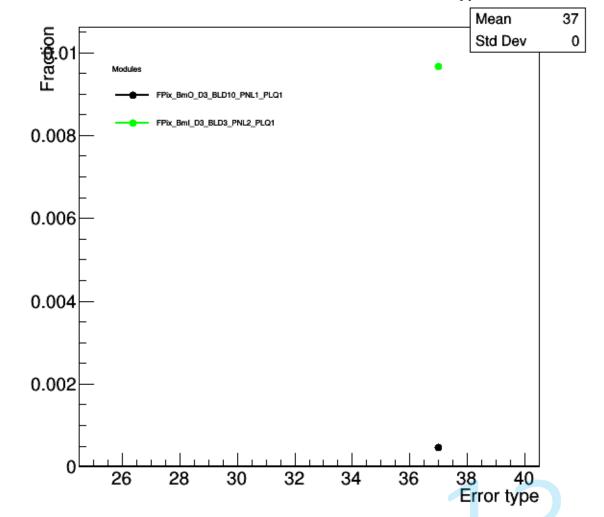
FED Errors

The error type is invalid dcol or pixel value

Fraction of clusters with FED error vs Error type



Fraction of events with FED error vs Error type



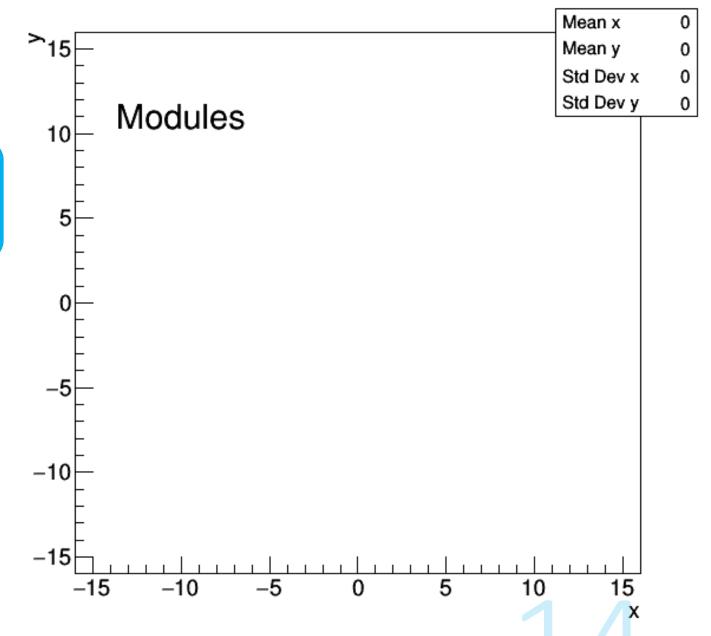




RecHits

There were no rechits found 😂

RecHits

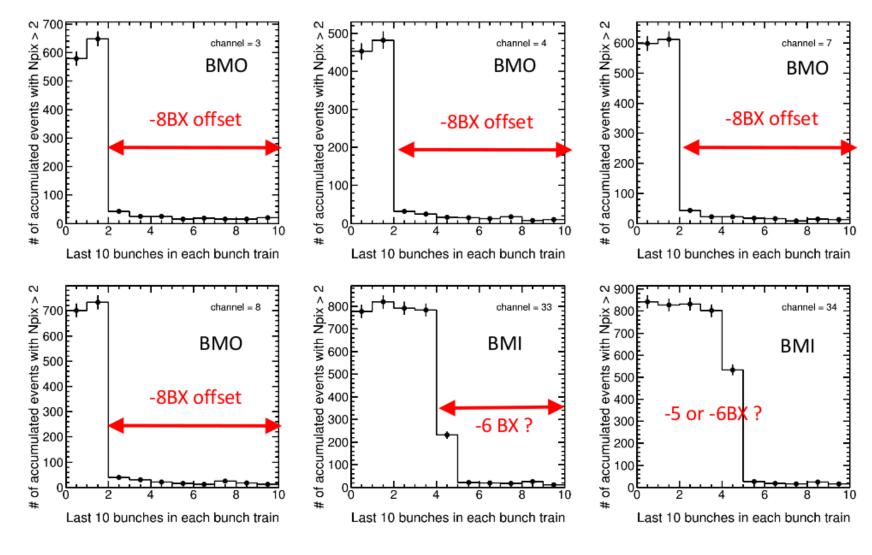






2016-09-07 TAMÁS ÁLMOS VÁMI

Slide from Yuta



- We seem to move to the wrong direction (but at least it moved ©)
- Not clear why channel 33/34 is not a step-like function (probably due to splitter ?)



