

BigBite GEMs Update

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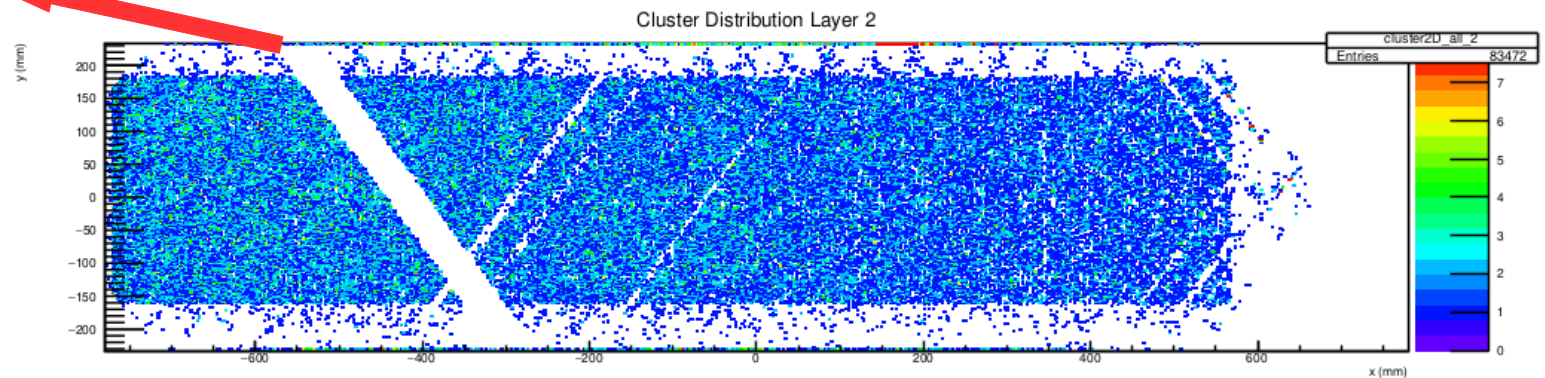
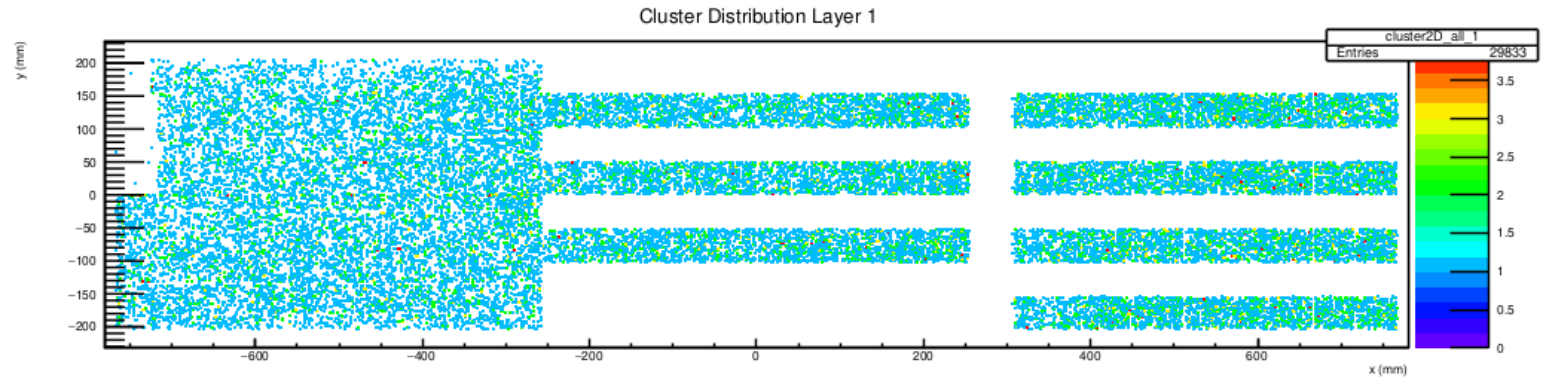
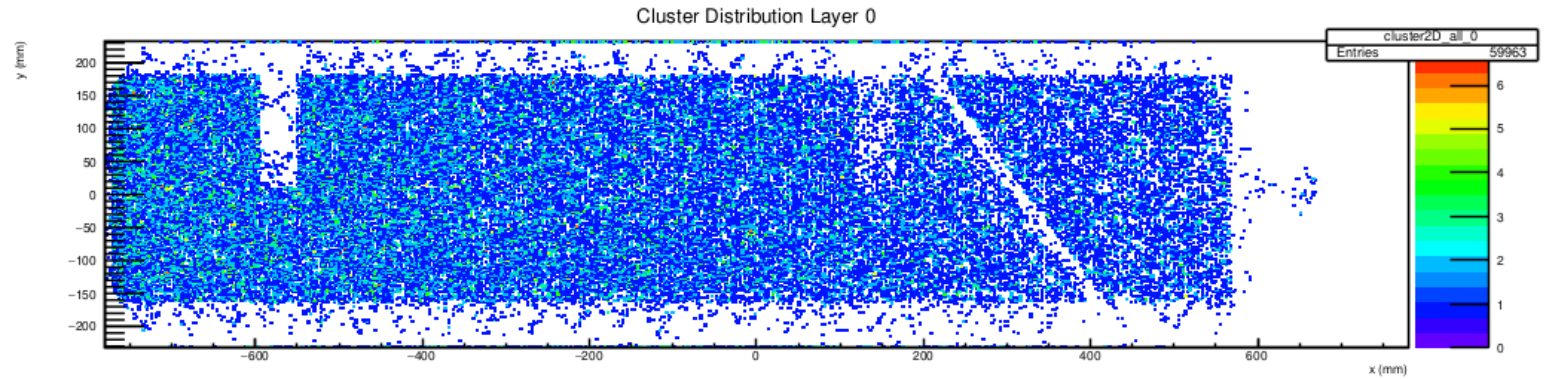
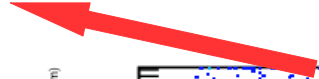
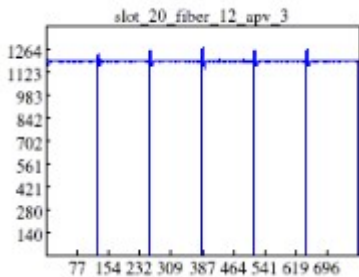
September 22, 2021

Cosmic Results

- After the shielding work 10M cosmic events were taken yesterday (run 887).
- Two backplanes were not working for INFN, and have since been fixed.

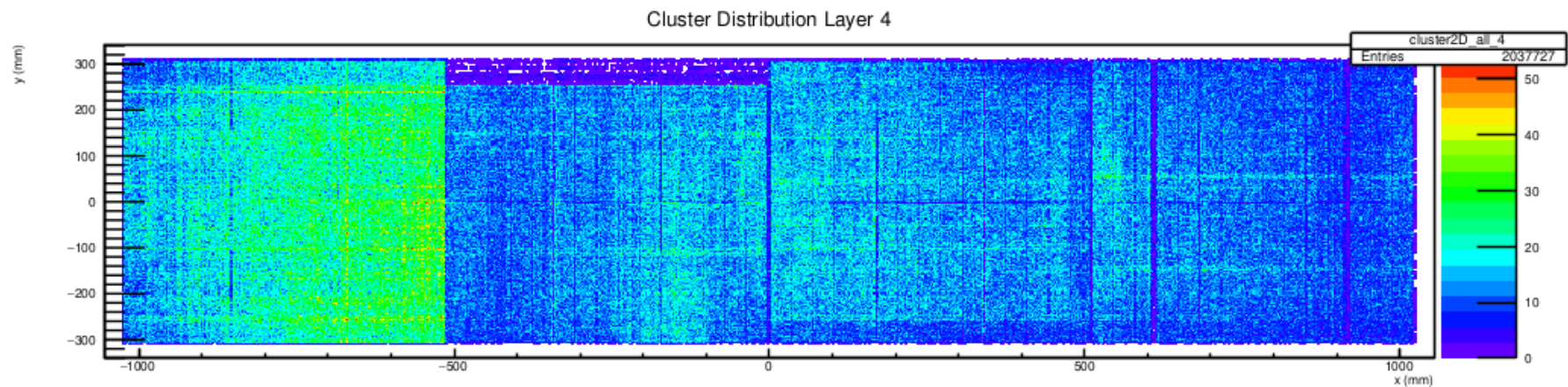
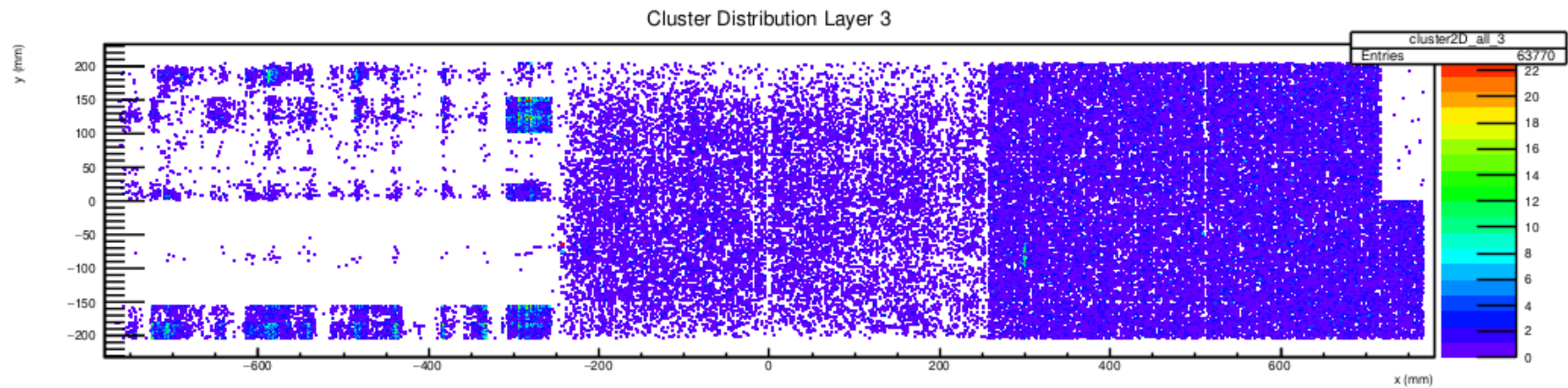
- One sector seems to be recovering.

- APV broke somehow.
- Easy to replace.



Cosmic Results

- One INFN module is tripping and has HV off.
- I have reconnected all APVs with strips missing in hit maps but results do not improve.



Future Work

- Replace one APV on the UV layer.
- Set FIR coefficients.
- Run efficiency scans for all UVa layers.