EEL clean room Daq and read out update

Last week:

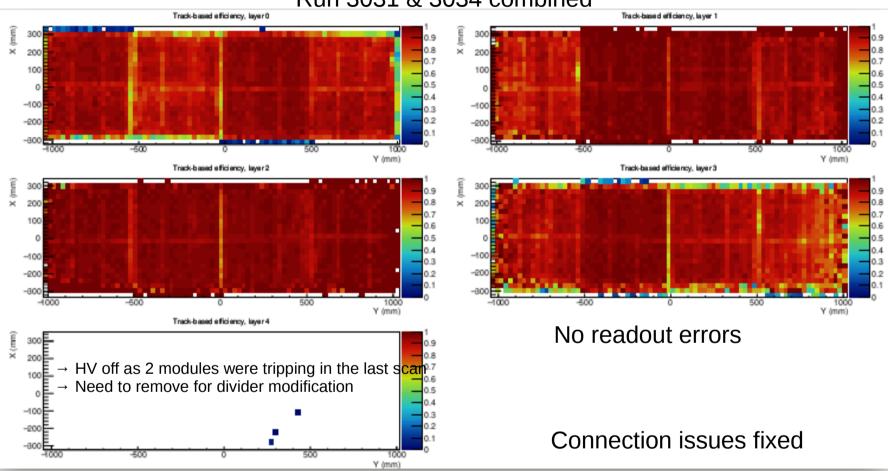
- \rightarrow Fixed few APV connection issues we have seen in the recent cosmic tests
- \rightarrow Tested Daq for the backplanes for the assembly layer before and after replacement
- \rightarrow Prepared back planes for the second assembly layer which is under preparation

This week:

- → Network issues => Alex replaced router => seems fixed
- → Coda had been running stably until yesterday morning since router replacement nearly 90 hours (~6M events) for the first time
- \rightarrow Running hv scan since Monday afternoon.
- → Except a few crashes (trigger going down to zero) coda is running fine without any readout errors

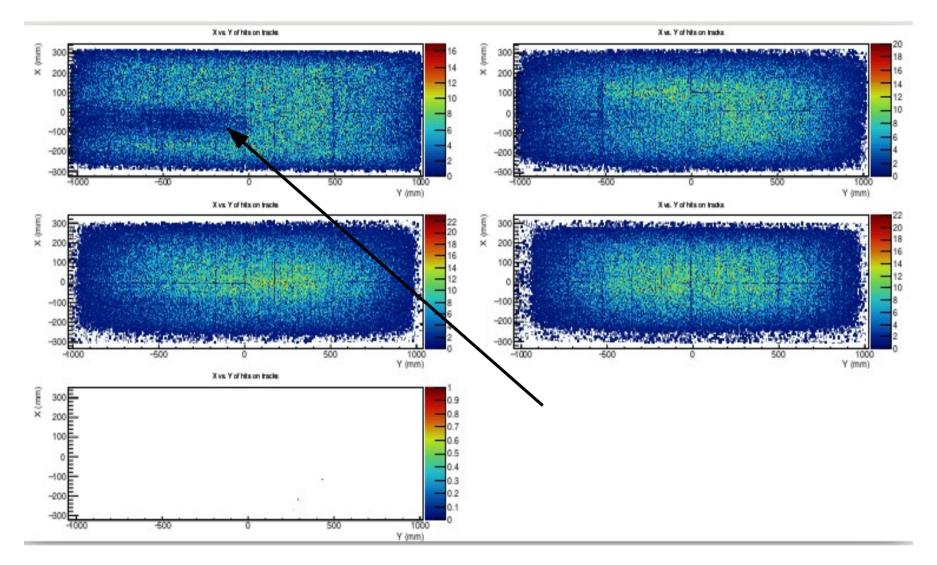
02/10/2021 Anu, Malinga and Thir

Tracking results of most recent cosmic test

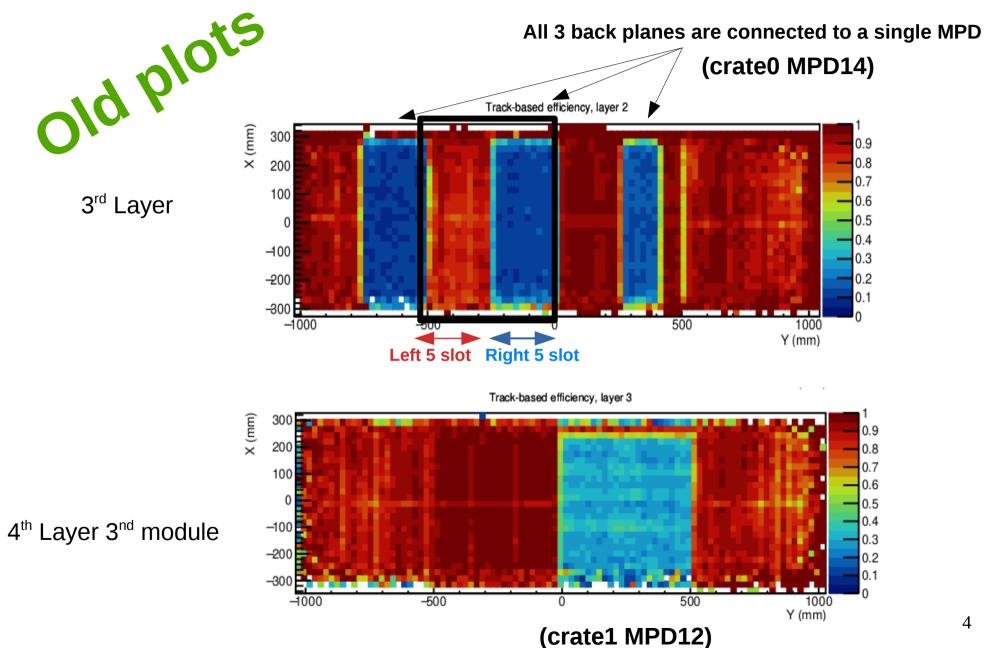


Run 3031 & 3034 combined

Tracking results of most recent cosmic test

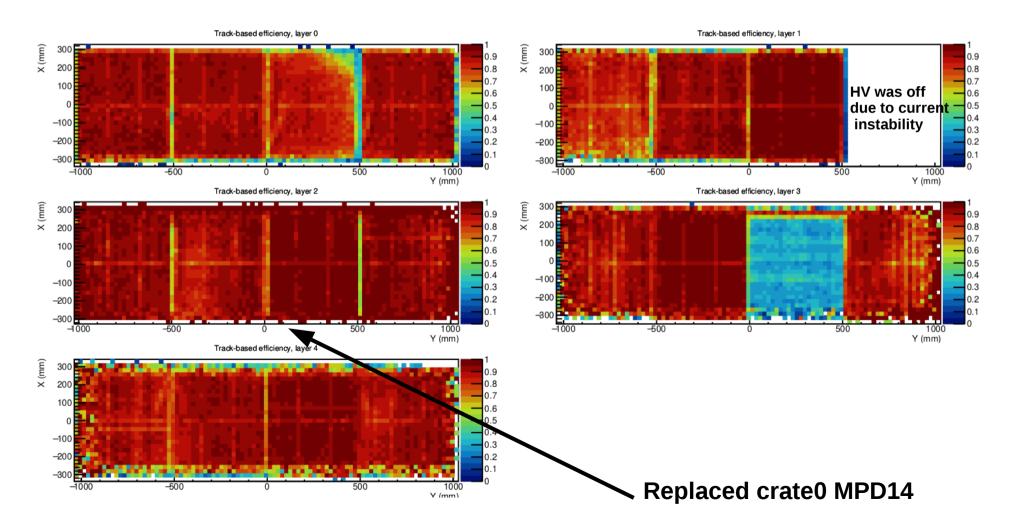


Low efficiency issues

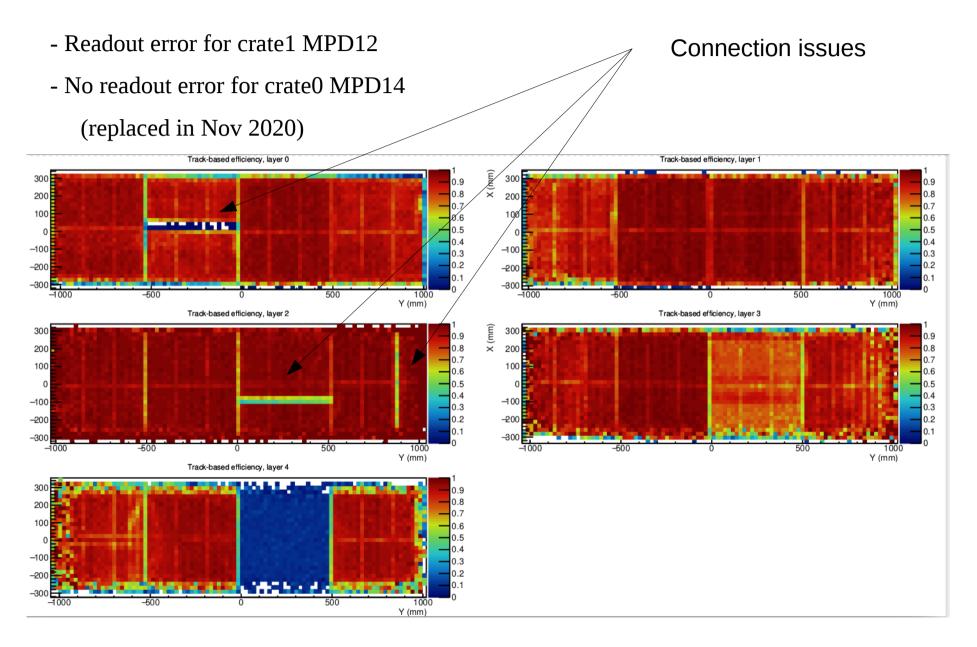


Replaced Crate0 MPD14 (Nov 3 2020)

- Readout errors for crate1 MPD12
- No readout error seen for replaced MPD



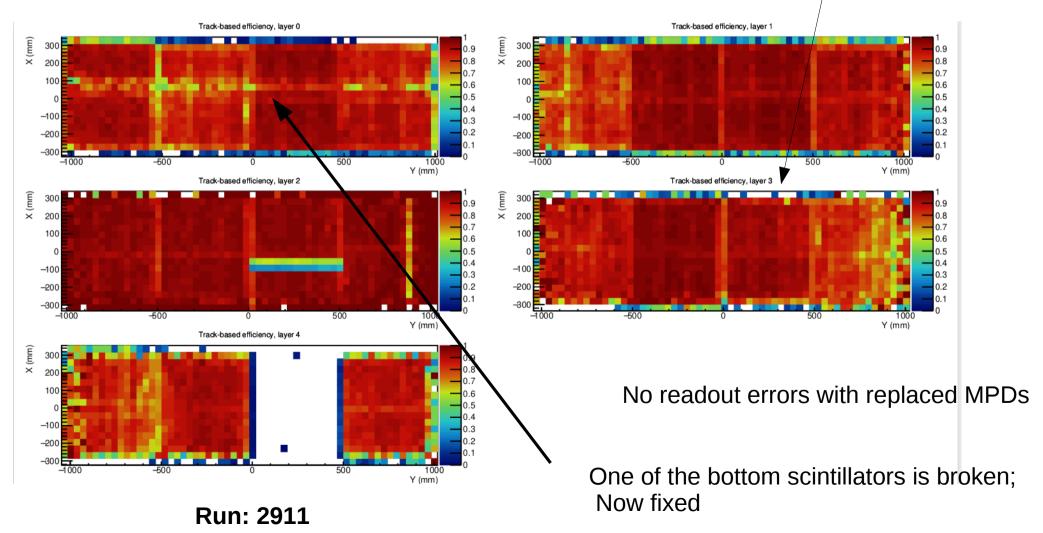
Cosmic test (Jan 15 2021)



Run: 2817

Cosmic test (Jan 28 2021)

- No read out errors for crate1 MPD12 (replaced in Jan 22 2021)
- No readout errors for crate0 MPD14 (replaced in Nov 03 2020)
- Crate1 MPD7 has started giving readout errors

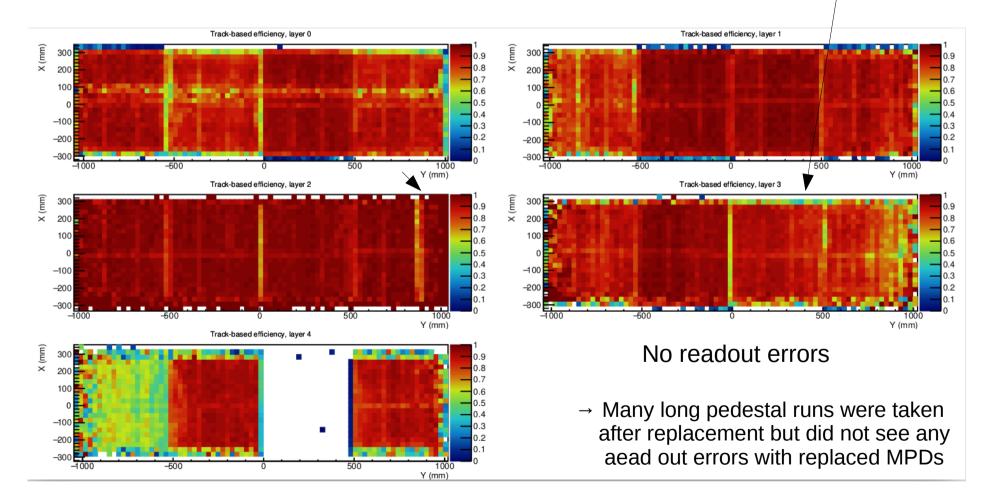


Need more data

Cosmic test (Jan 29 2021)

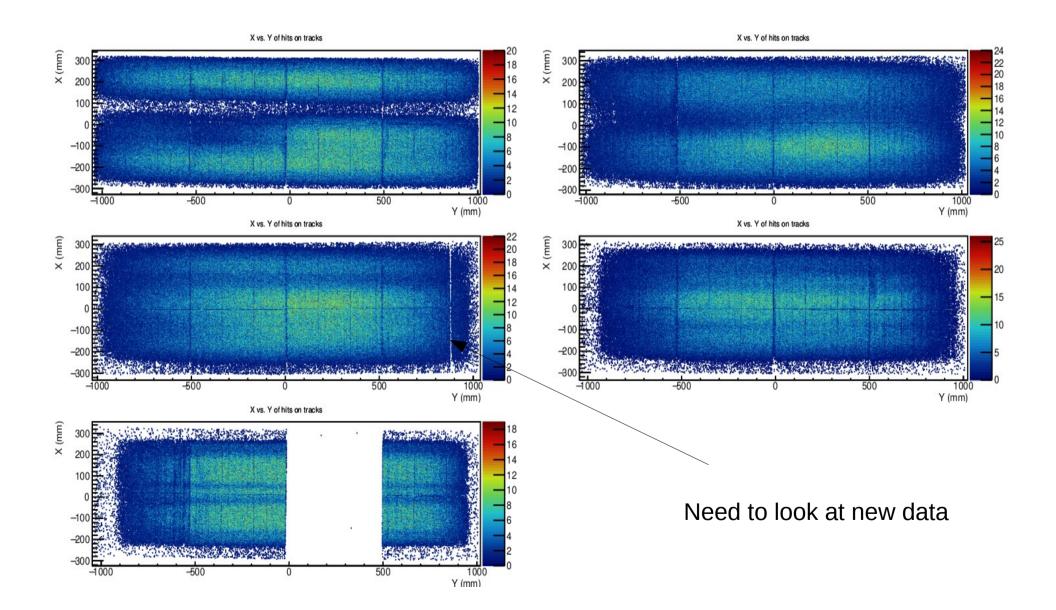
Fixed??

- No read out errors crate1 MPD12 (replaced in Jan 22 2021)
- No readout error seen crate0 MPD14 (replaced in Nov 2020)



MPD instability => Low efficiency (need more data)

Cosmic test (Jan 29 2021)



Coda after router replacement

