# **EEL clean room Daq and read out update**

Last week:

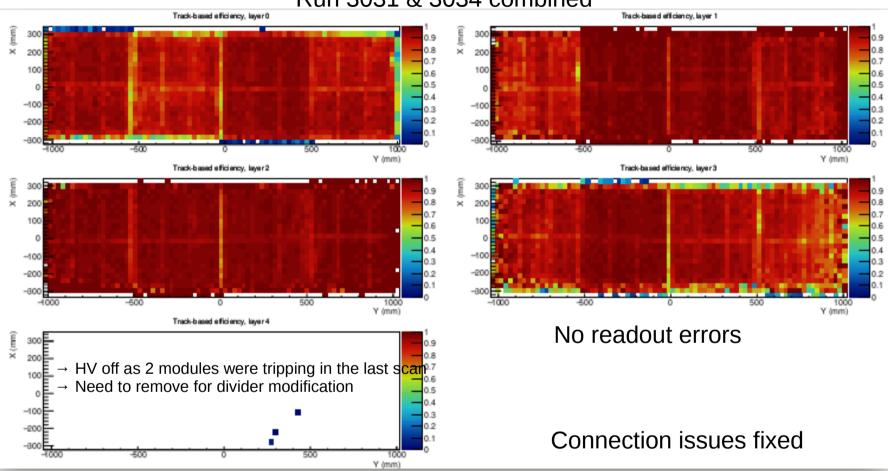
- $\rightarrow$  Fixed few APV connection issues we have seen in the recent cosmic tests
- $\rightarrow$  Tested Daq for the backplanes for the assembly layer before and after replacement
- $\rightarrow$  Prepared back planes for the second assembly layer which is under preparation

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

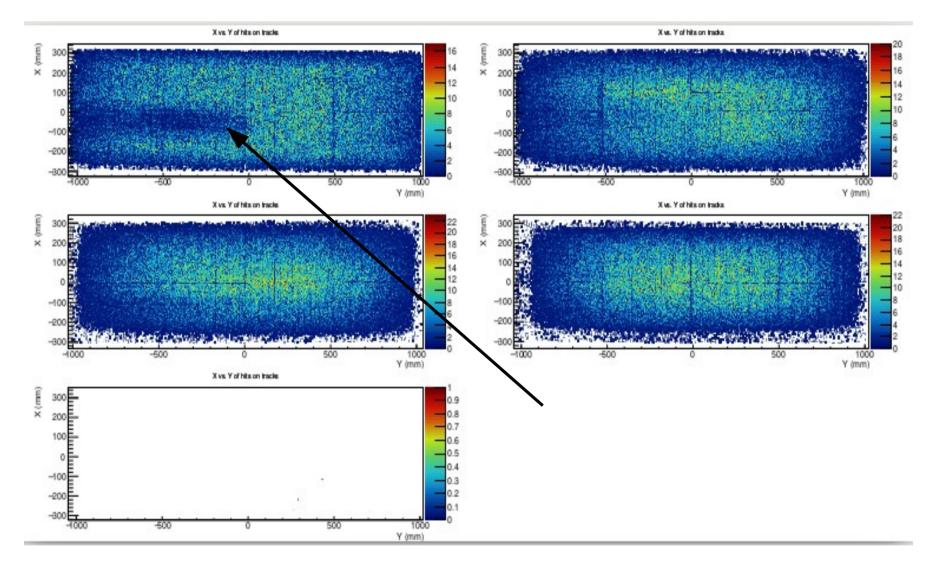
02/10/2021 Anu, Malinga and Thir

## Tracking results of most recent cosmic test

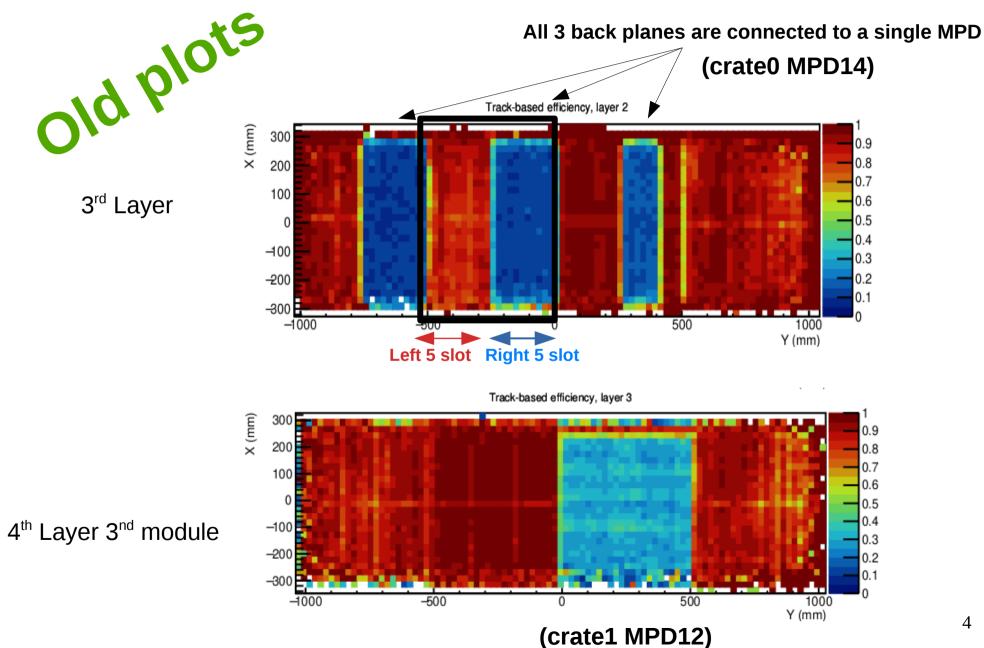


Run 3031 & 3034 combined

### Tracking results of most recent cosmic test

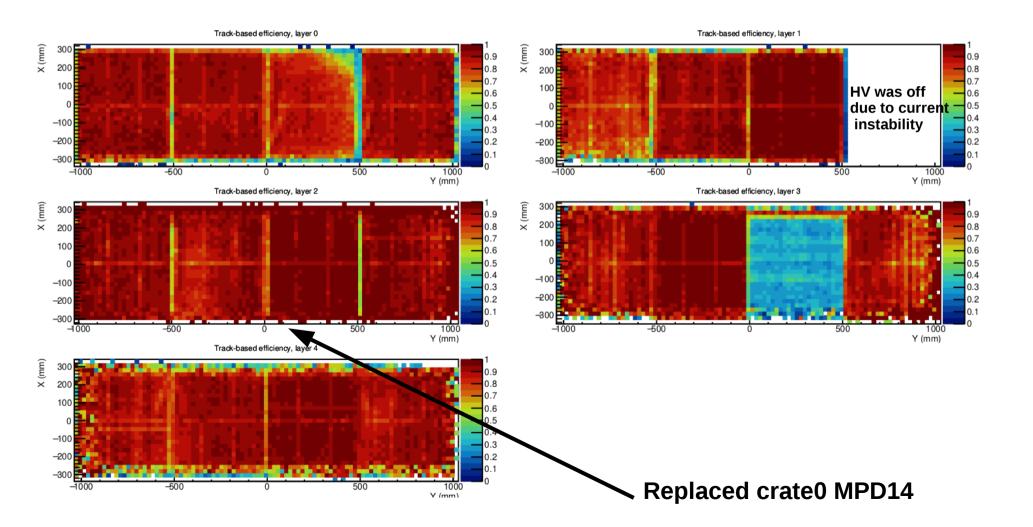


#### Low efficiency issues

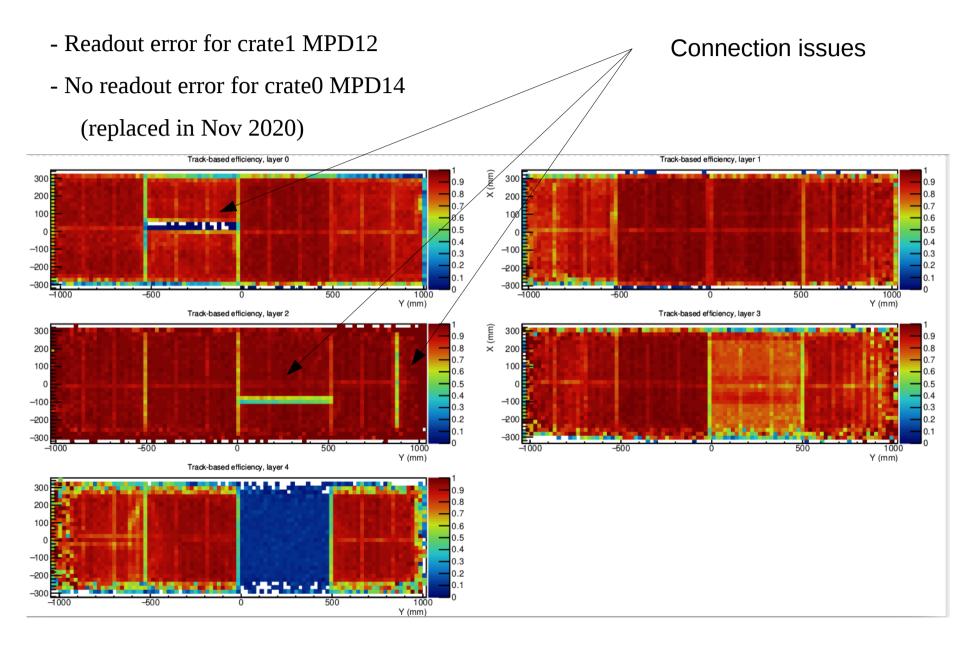


## Replaced Crate0 MPD14 (Nov 3 2020)

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



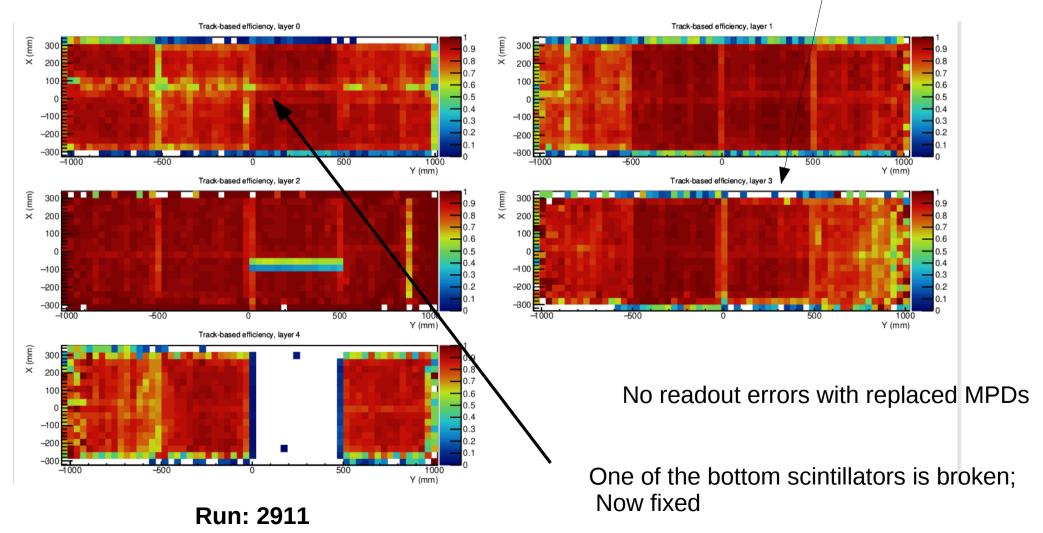
## Cosmic test (Jan 15 2021)



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

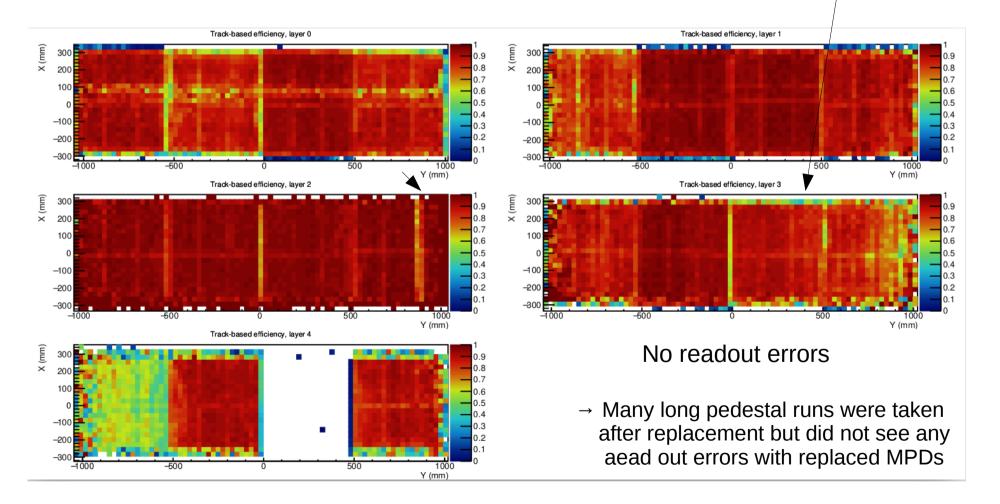


Need more data

# Cosmic test (Jan 29 2021)

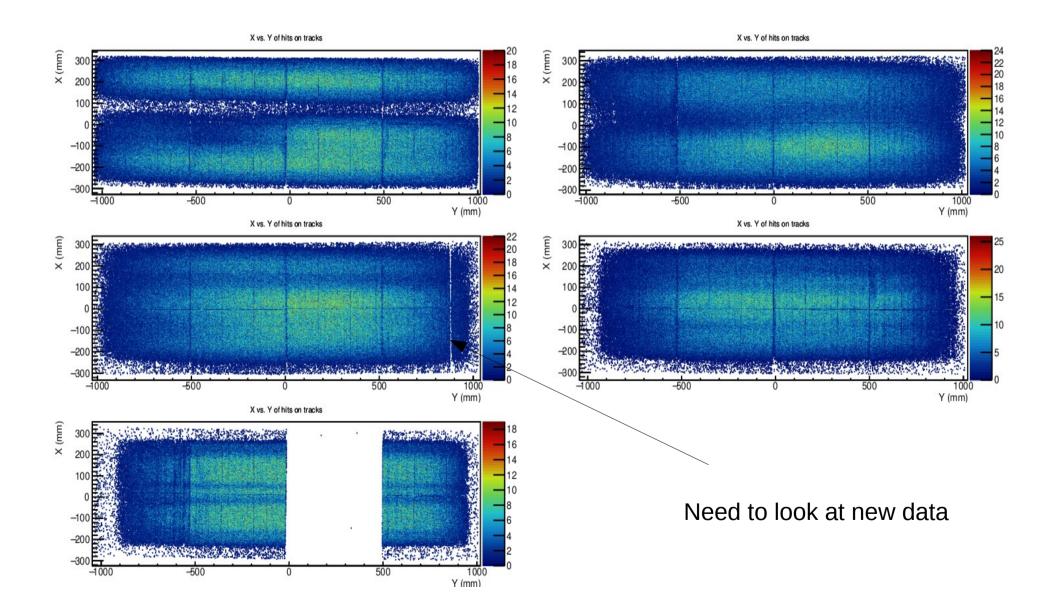
Fixed??

- 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**

