Hardware Meeting 09.10.2024

- Investigation of PAD Detectors.
 - Reduced read out channels and consequently lower number of electronics compared to conventional MicroMeGas.



PAD 1 Test:



- Investigation of PAD 1:
 - 3 layers
 - 85*85 pixels (3rd layer)
 - 2 APV's

APV 1

- Pitch 1.2mm (Outermost pixel layer)
- 170 channels
- Strip Like Behavior





Telescope setup:



Residuals for PAD1:





Artifact Removed:



PAD1_X Residuals Vs Position Y

What next?

• Understanding charge sharing in the detector better through simulation and comparing it to detected events.



Sample events in PAD 2 (OLD)

slope = 0.00026

slope = 0.00048





PAD1_X Residuals Vs Slope

PAD1_Y Residuals Vs Slope

Counts 00,000

25

20

15

10

5

0



Tracking:



