# Progress with TB2022 data analysis

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#### Files and run

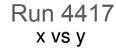
Using tree in:

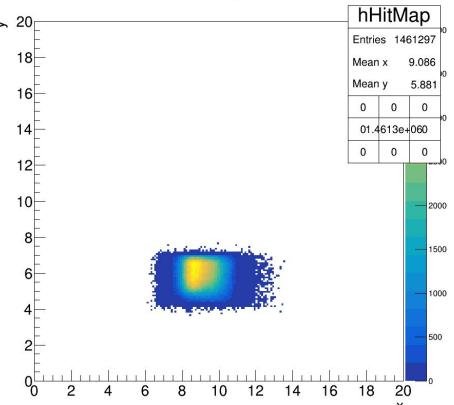
Calice-c75.root

- Contains aligned Sensor + Telescope data.
- Made by Shan.

#### Hit map with telescope

- Pad coordinates on both axes
- All events
- All tracks

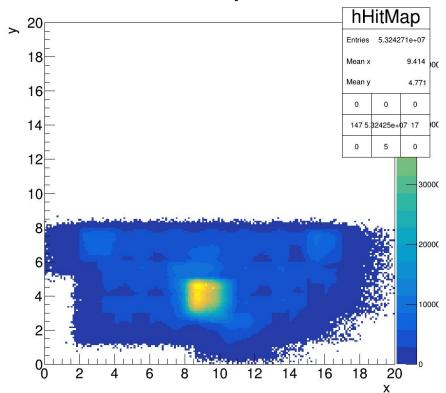




#### Hit map with telescope

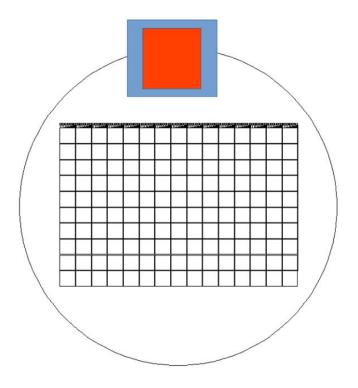
- Pad coordinates on both axes
- All events
- All tracks

## All runs x vs y

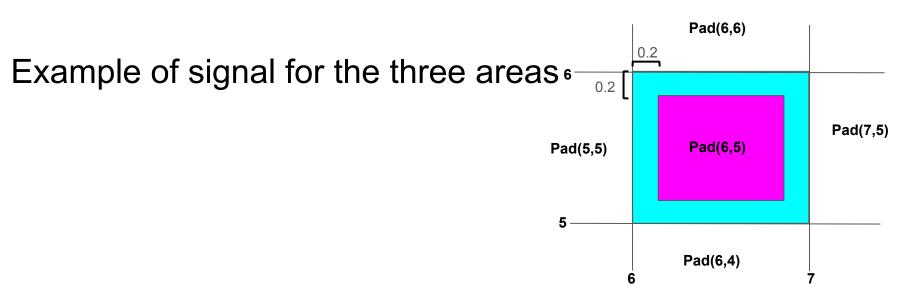


#### Homogeneity of the pad response

- Only events with 1 track
- Defined three areas to study the response
  - Centre
  - Edges
  - Outside of pad

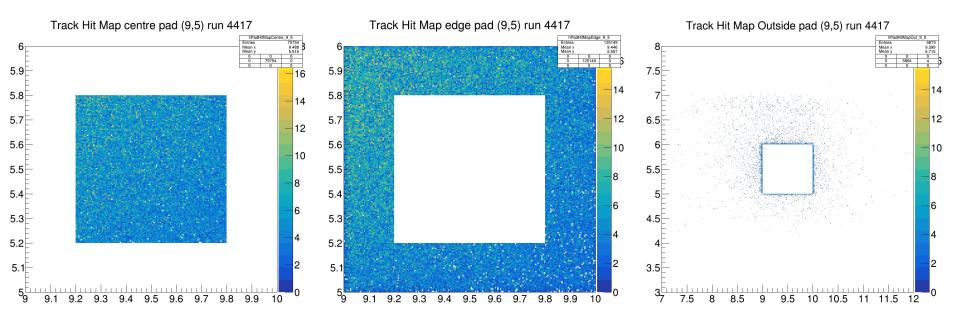


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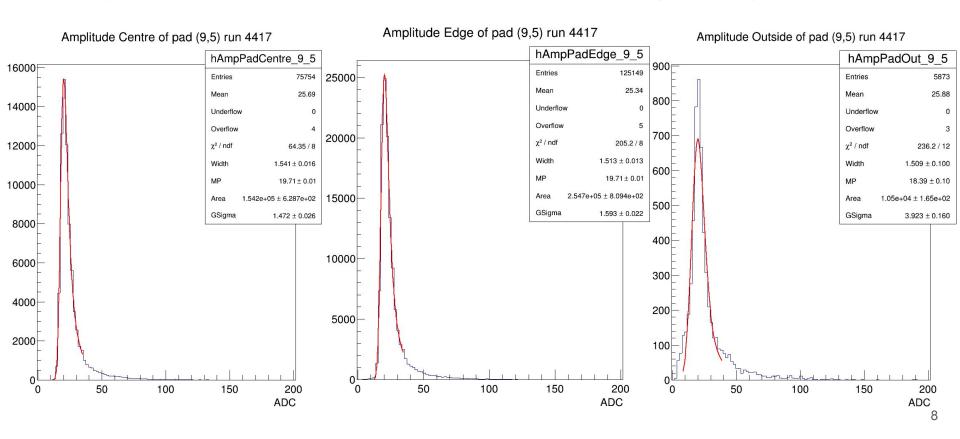


X pad	Y pad	adc	X telescope	Y telescope	Area
6	5	20	6.5	5.6111	Centre
6	5	21	6.1	5.9	Edge
6	5	19	8.5	3.0	Out

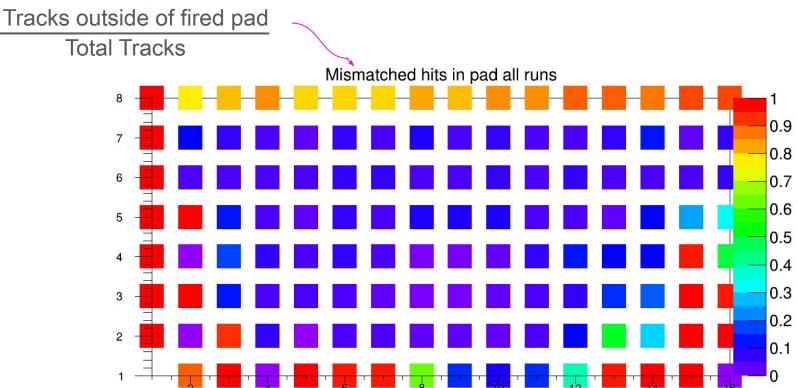
#### Example of hit map for the areas



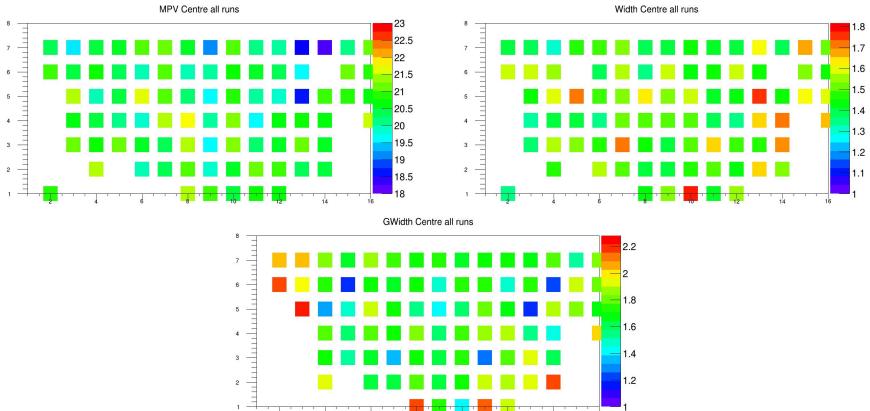
#### Langaus Fit to individual pad amplitudes (Areas)



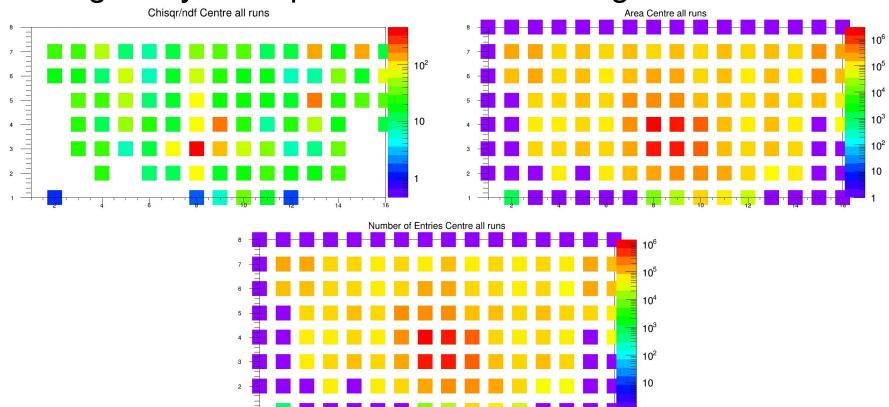
#### Percentage of events with track outside of pad with signal



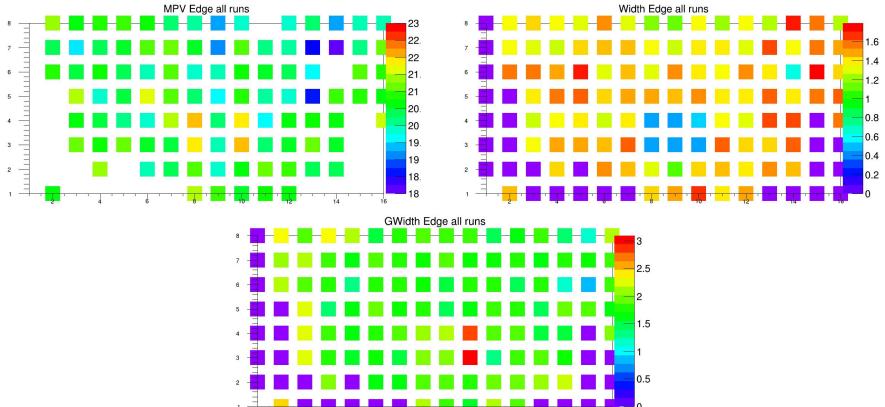
#### Homogeneity of response for sensor using all runs: Centre



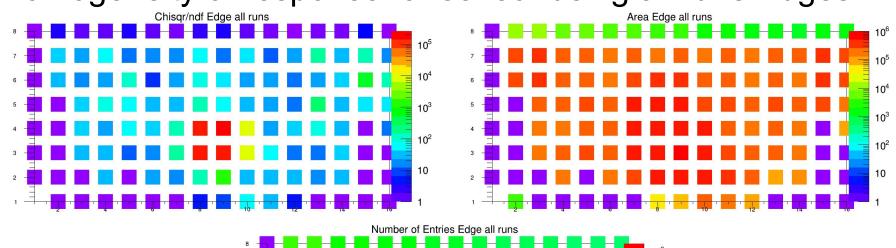
#### Homogeneity of response for sensor using all runs:Centre

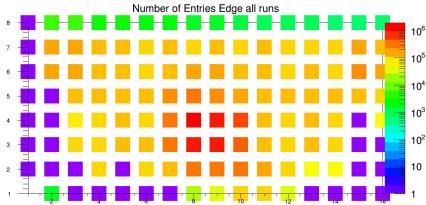


#### Homogeneity of response for sensor using all runs: Edges

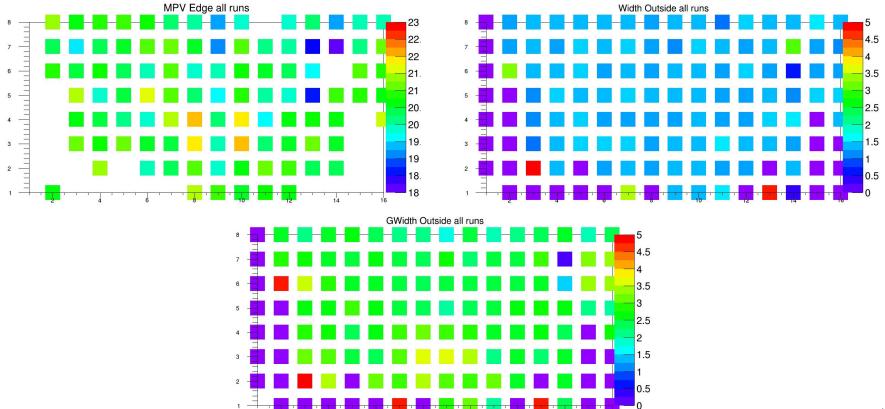


#### Homogeneity of response for sensor using all runs:Edges

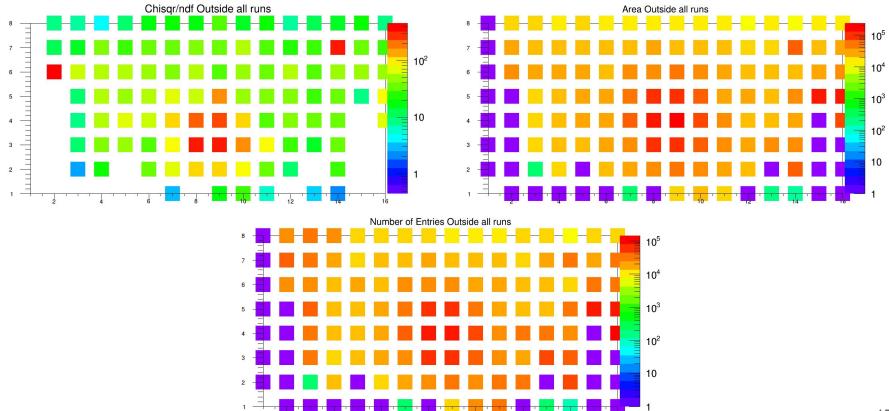




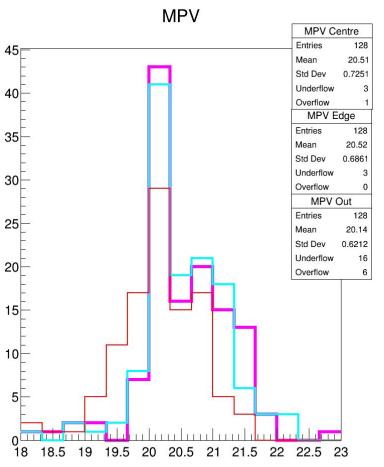
#### Homogeneity of response for sensor using all runs: Out



#### Homogeneity of response for sensor using all runs:Out



#### MPV Comparison between areas



### Thank you!

#### Backup

