# **MiniRun5 Spatial Offsets**

**Brooke Russell** 

2x2 Simulation and Calibration Meeting

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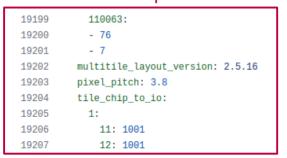




## **Unexpected Reco-Truth Spatial Offsets**

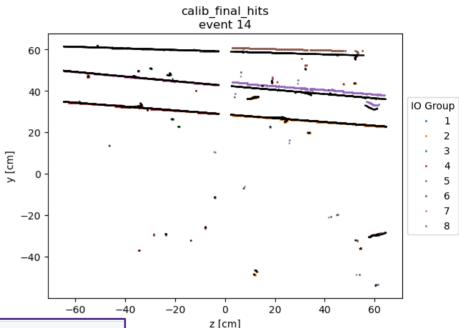
- Observation made with K. Wood hit backtracking example
  - 3.8 m pixel pitch used in both larndsim and ndlar\_flow for MiniRun 5 production
- J. Chakrani/K. Wood have proposed to update ndlar\_flow Module-2 pixel pitch to mitigate larndsim ndlar flow inconsistencies
  - This change would introduce a pixel pitch inconsistency with larndsim develop
  - A corresponding PR to larndsim is planned

#### larndsim develop

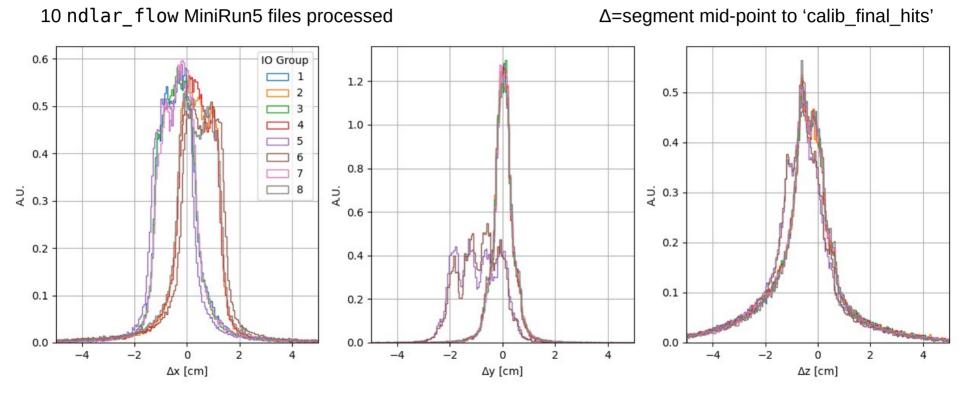


ndlar flow PR #116





## Reconstructed Hit – to – Backtracked Hit Spatial Offsets



Module-2 offsets in all spatial dimensions, most prominent in y-dimension

## **Reconstructed Hit – to – Backtracked Hit Spatial Offsets**

