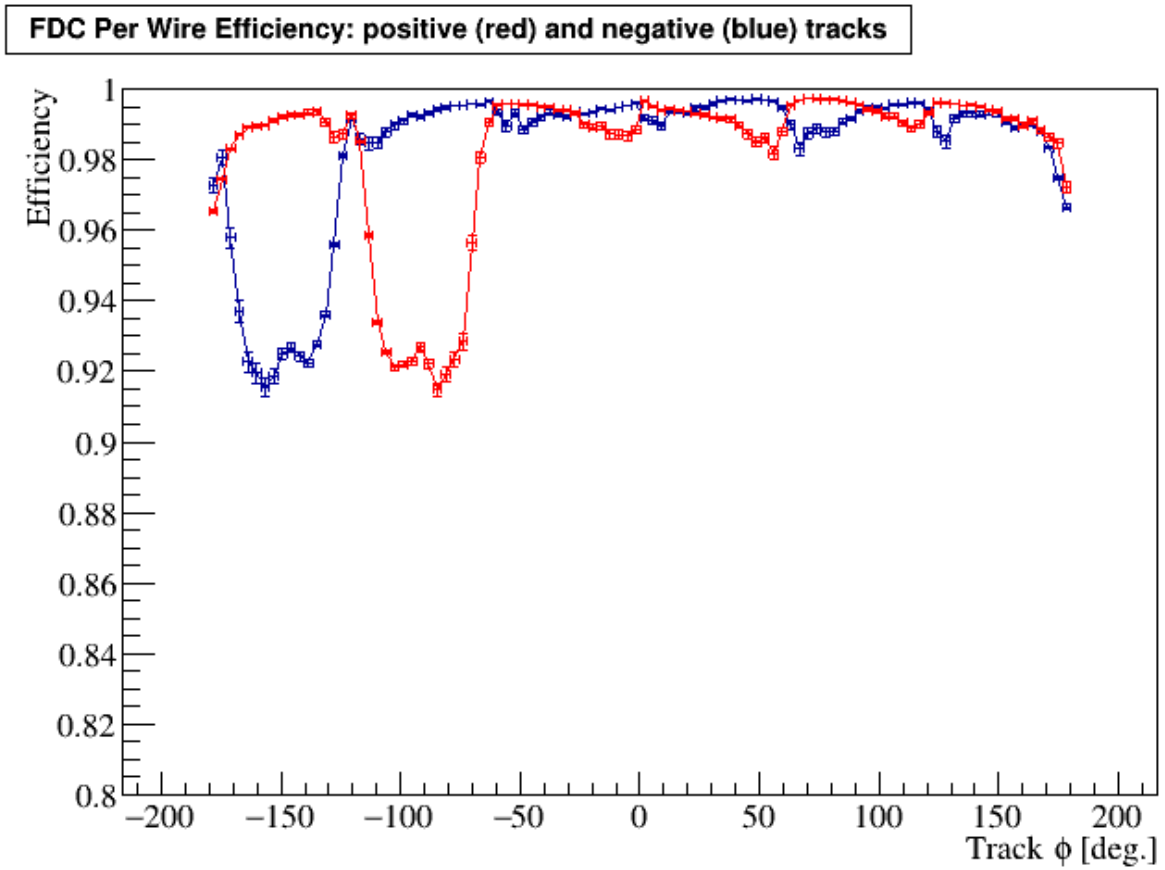
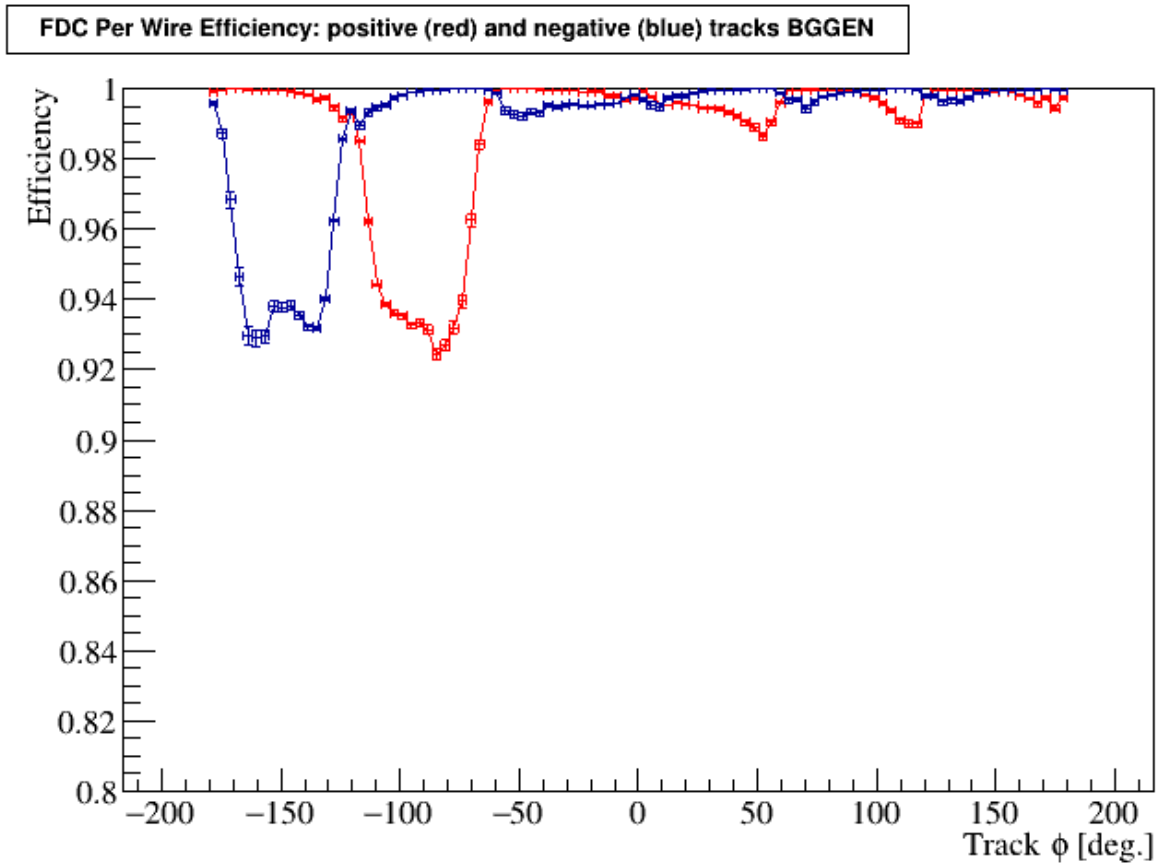
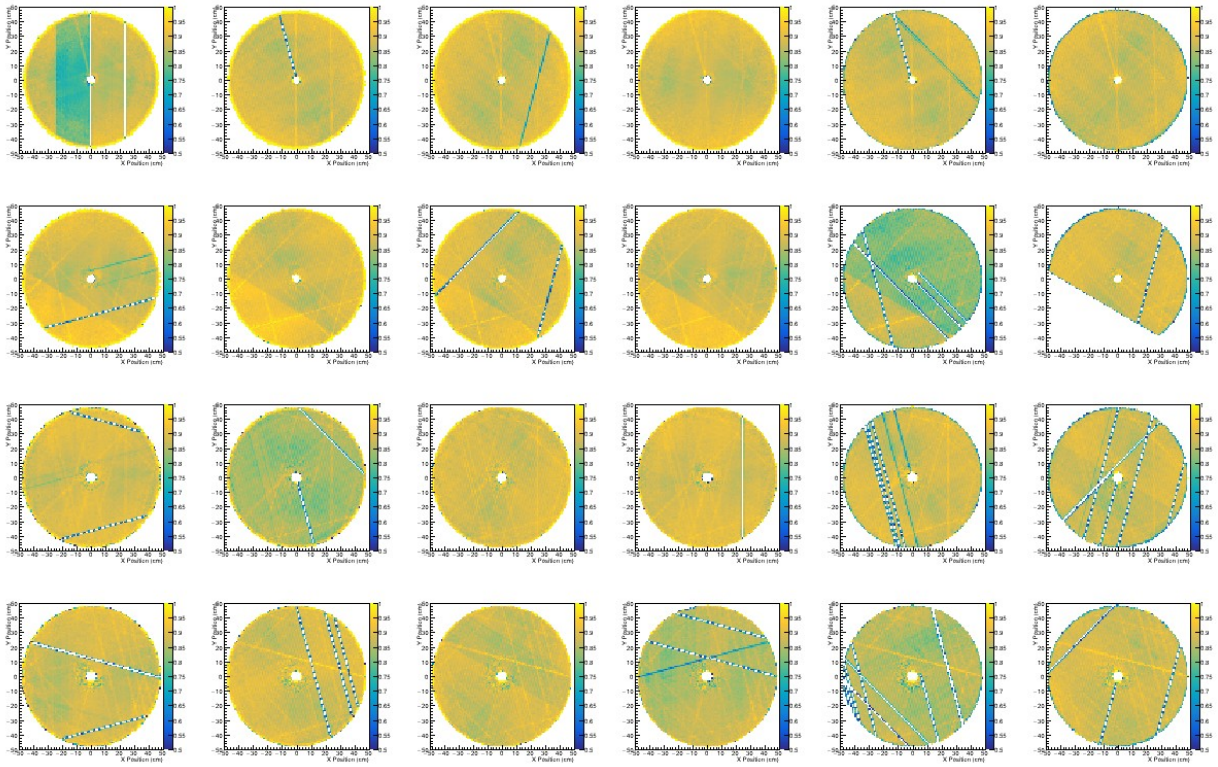
FDC Efficiency: Data-MC comparison revisited



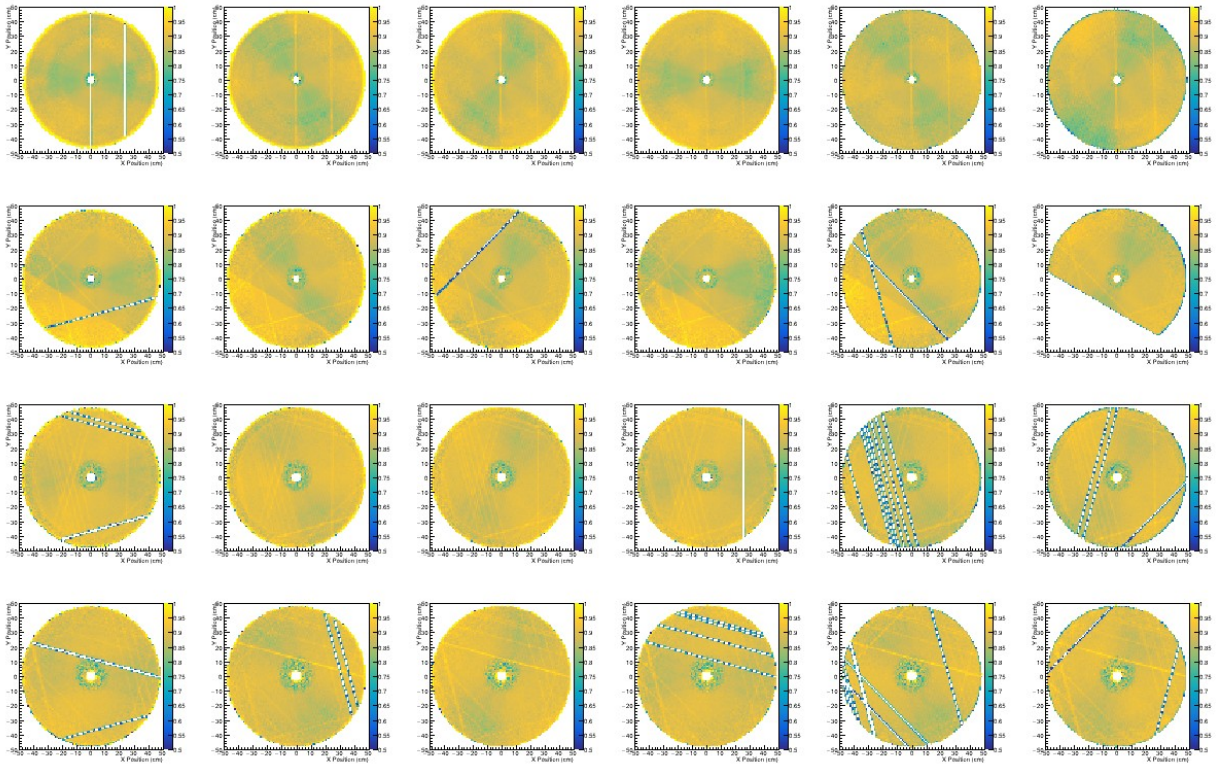


Jefferson Lab
U.S. DEPARTMENT OF ENERGY | Office of Science
JSA

Pseudo-Hit Efficiency (negative tracks)

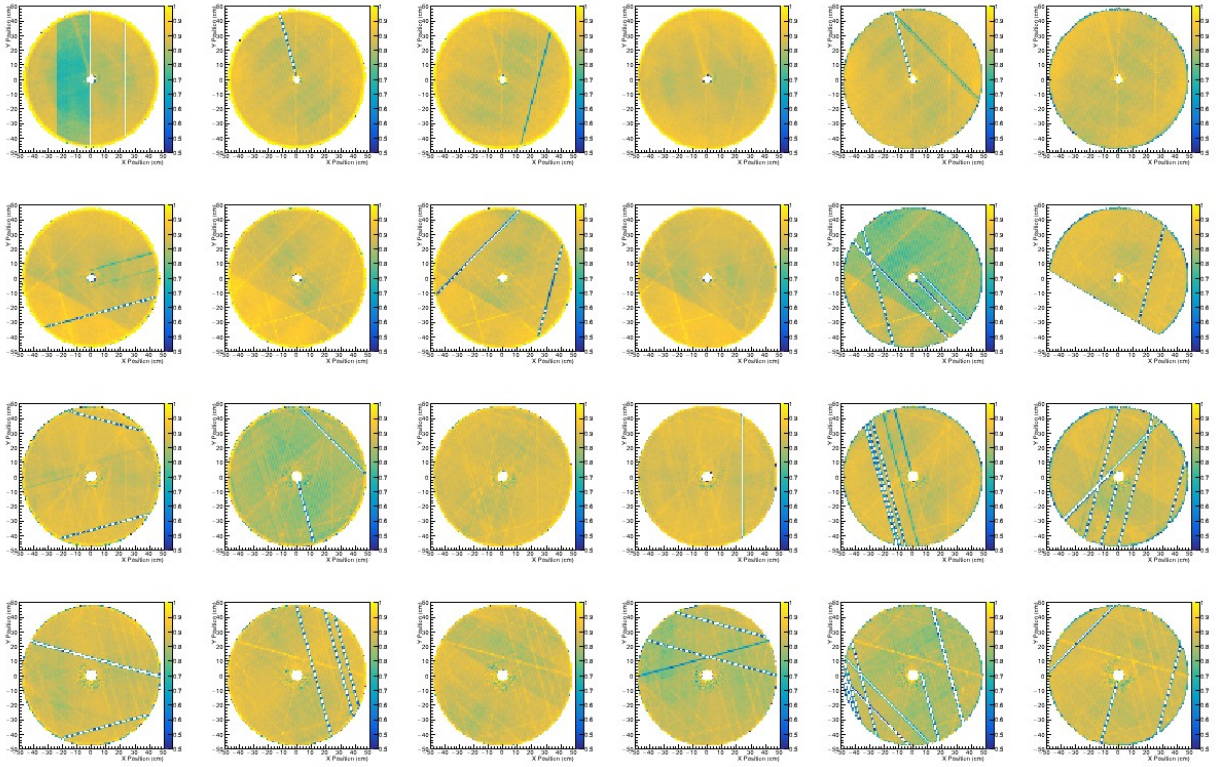


Amorphous Run 30739

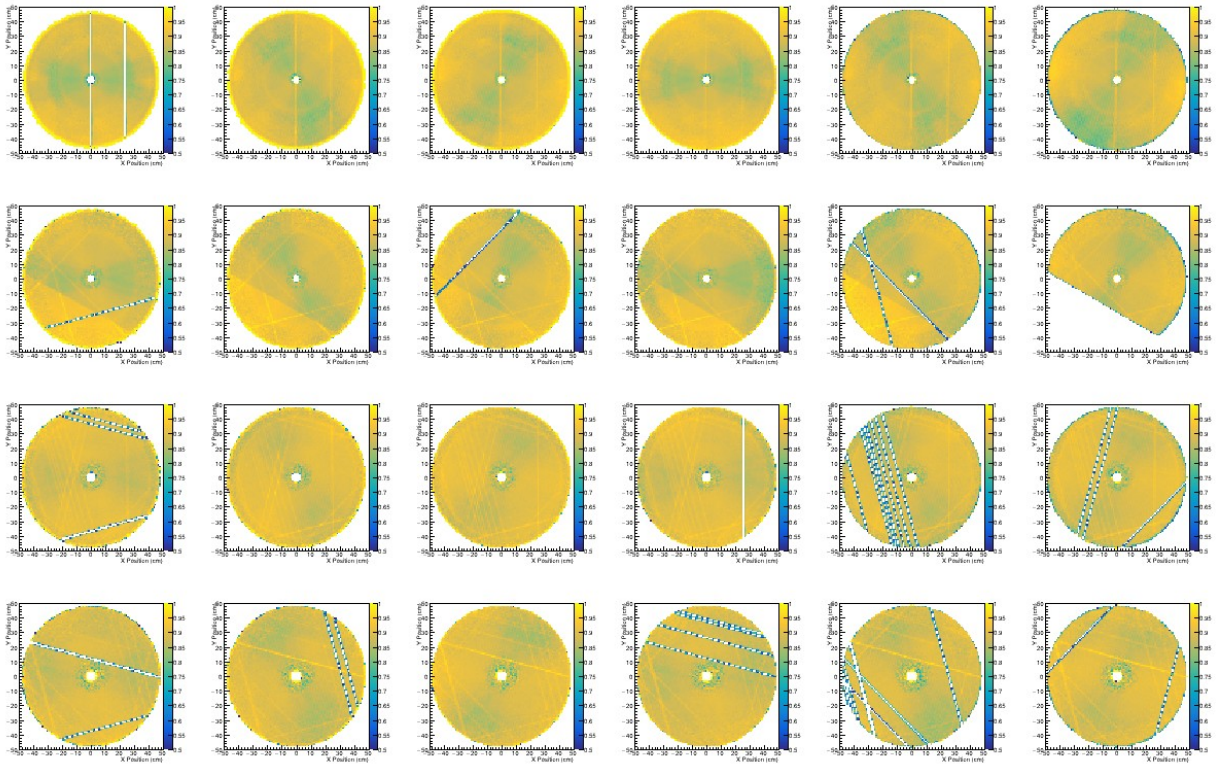


BGGEN MC (all runs)

Pseudo-Hit Efficiency (positive tracks)

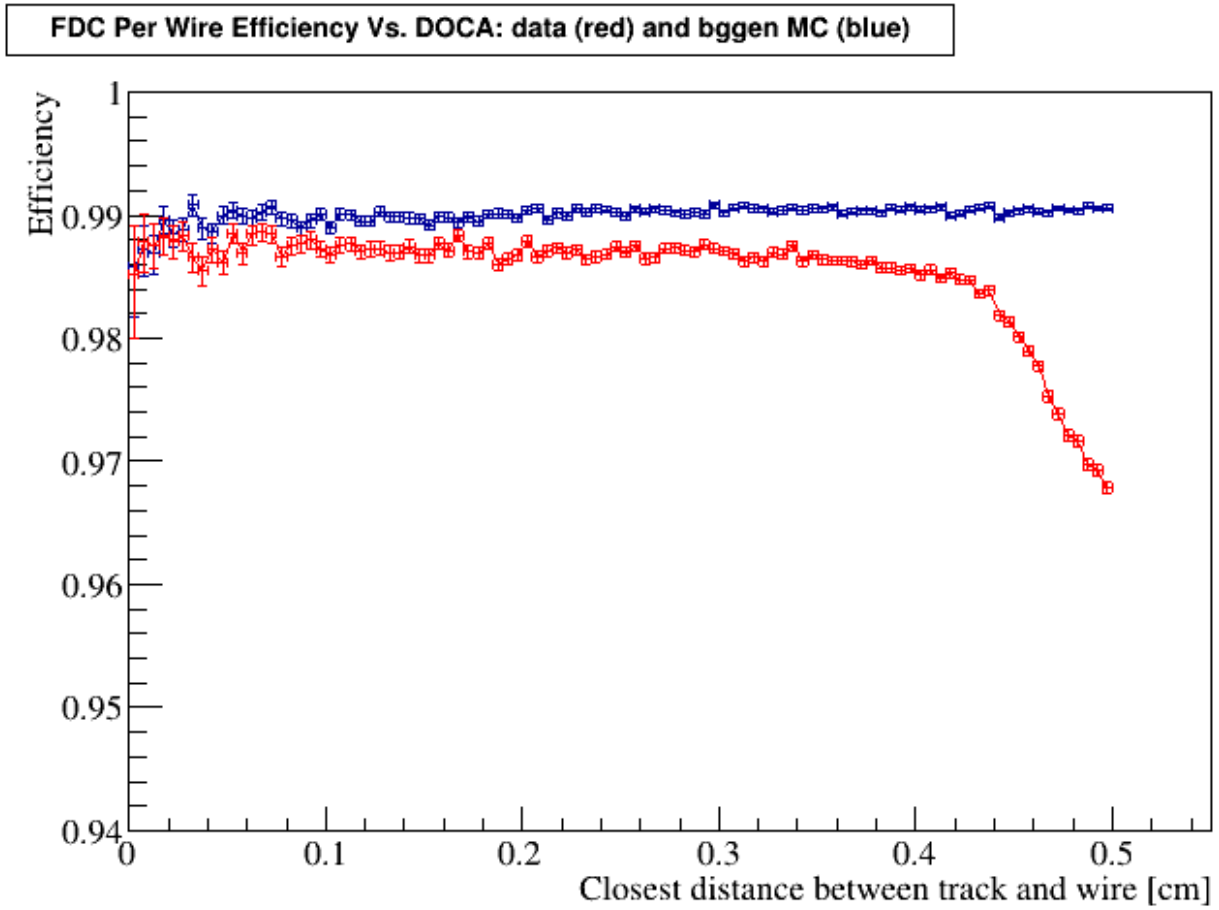


Amorphous Run 30739



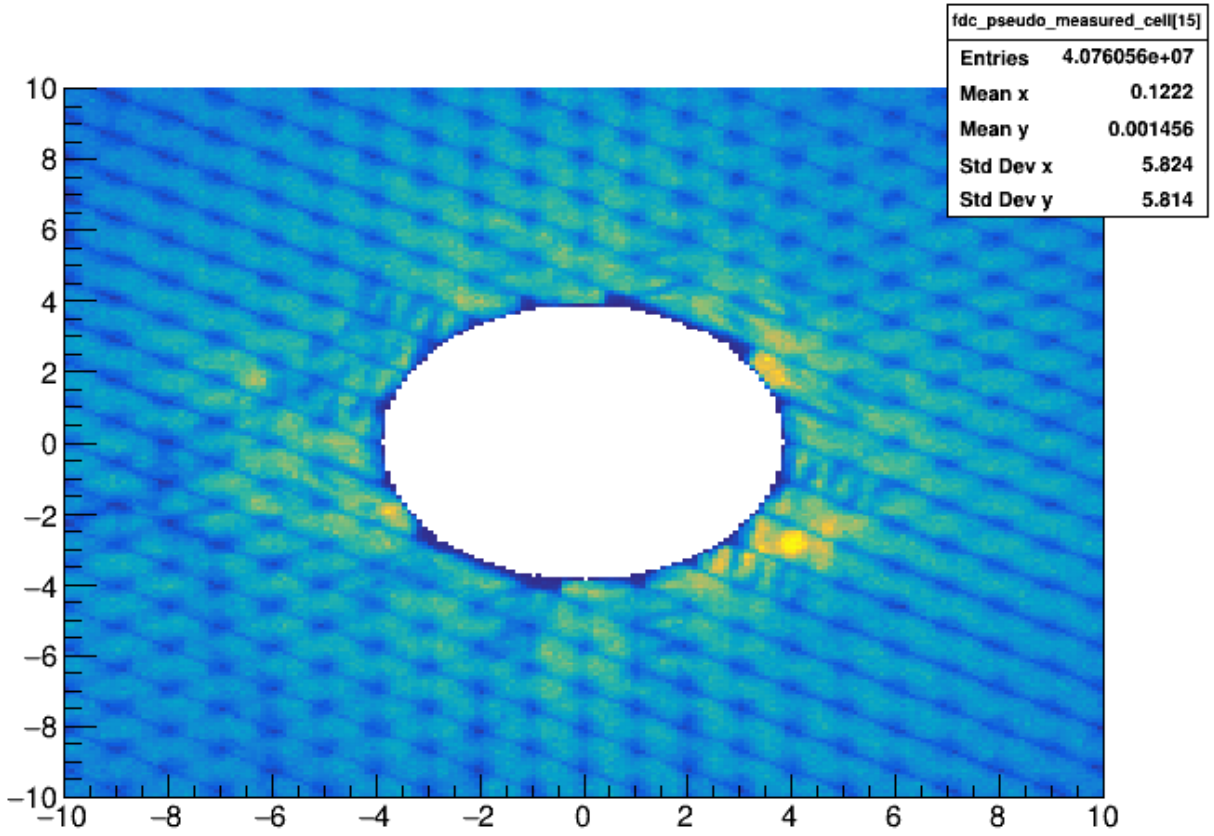
BGGEN MC (all runs)

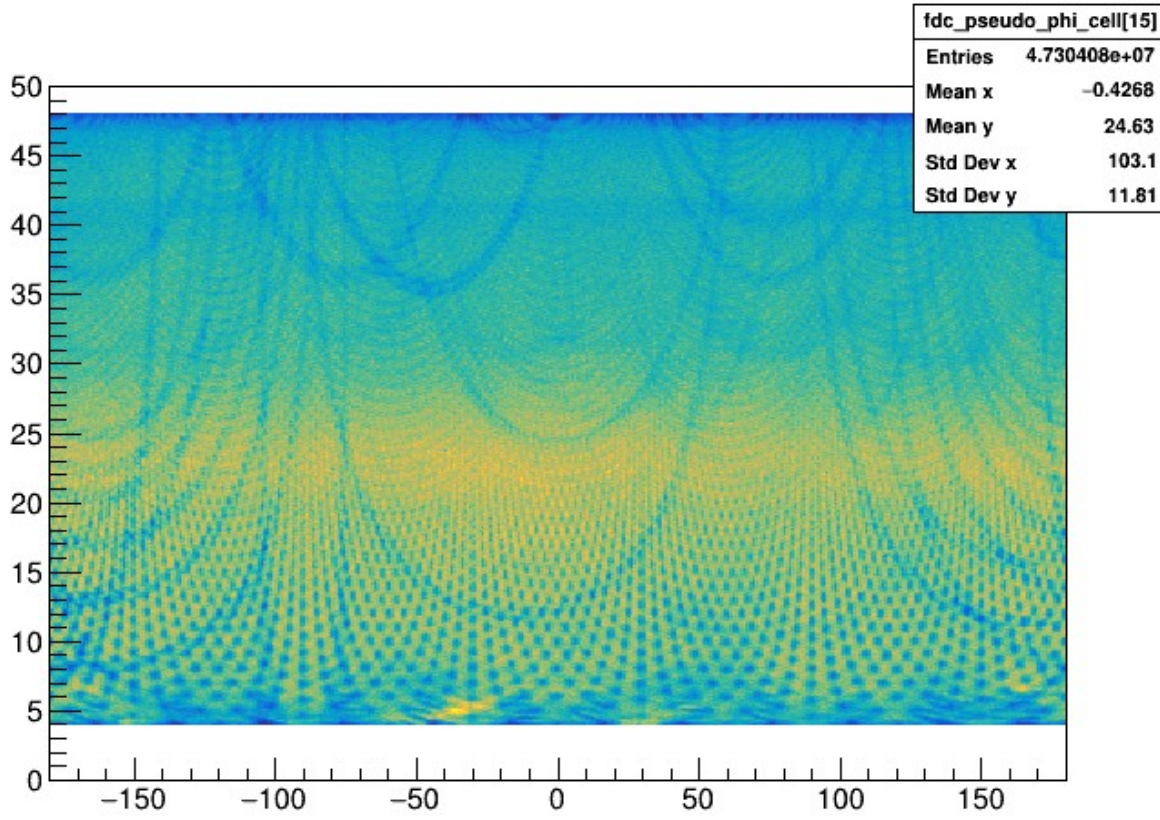
FDC Wire Efficiency vs Track position wrt wire



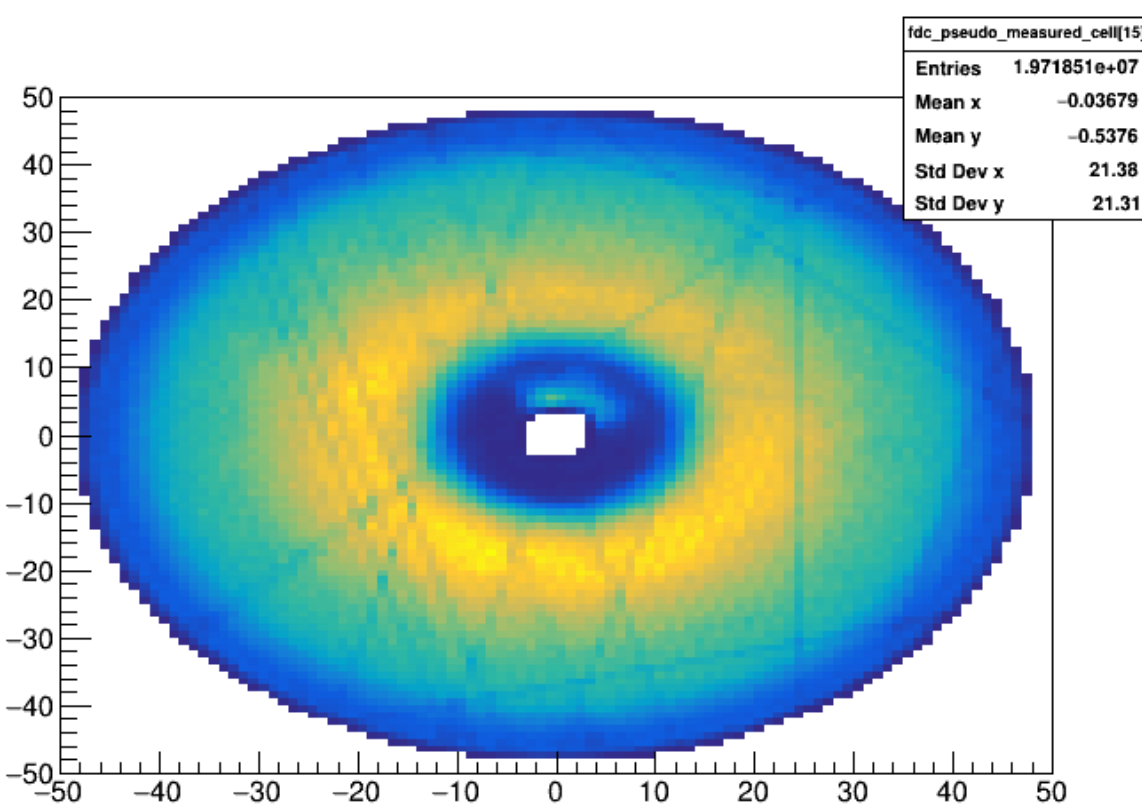
- Minor dependence on drift length
- Drop at the end probably due to resolution of track and cell position
- Effect much larger without tight track selection used here

Ultimately responsible for 30deg modulation

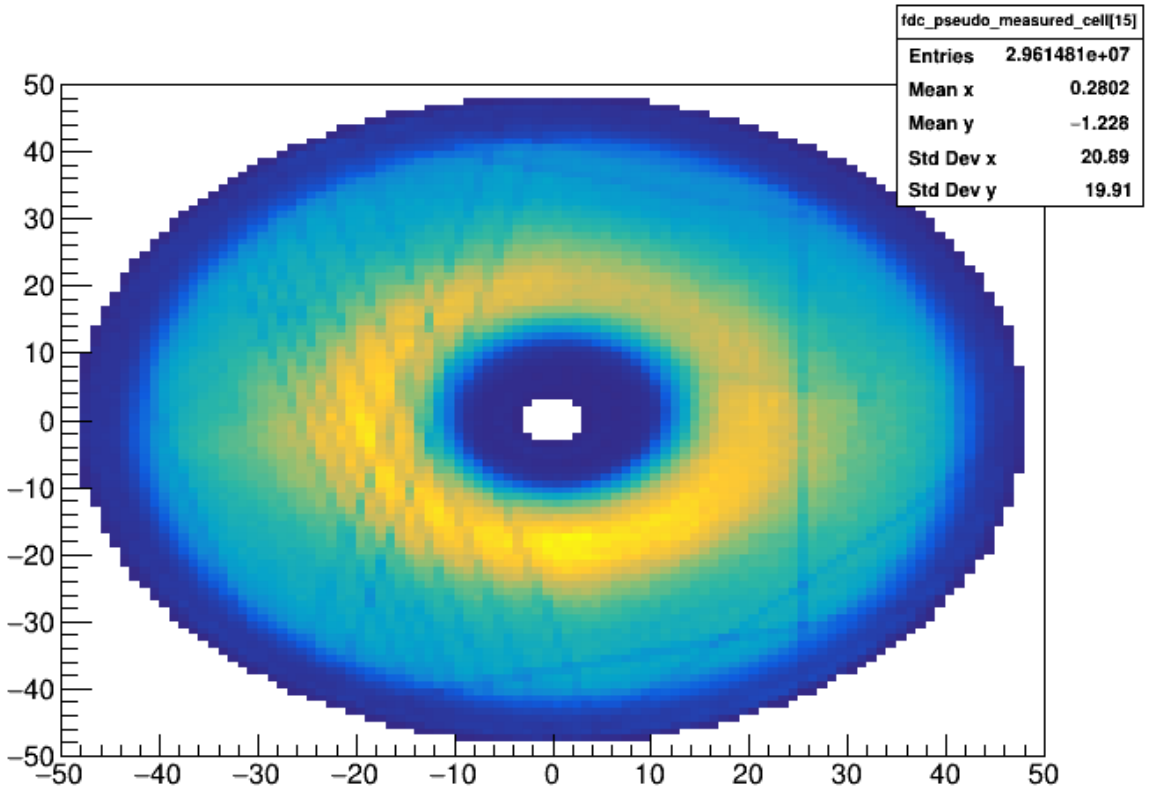




More mysteries: distribution of tracks



Amorphous Run 30739



BGGEN MC (all runs)

- Tracks close to beam hole?
- Position of hole wrt chamber?