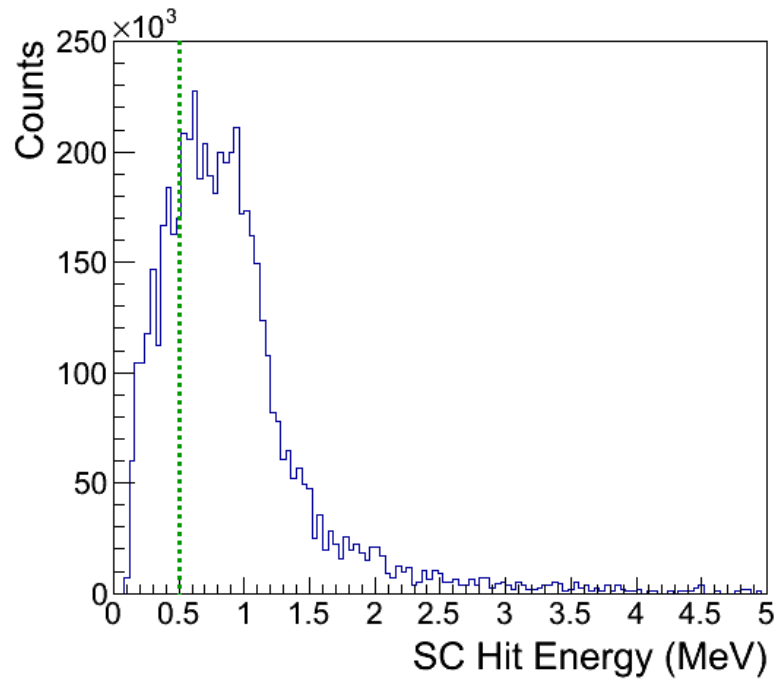


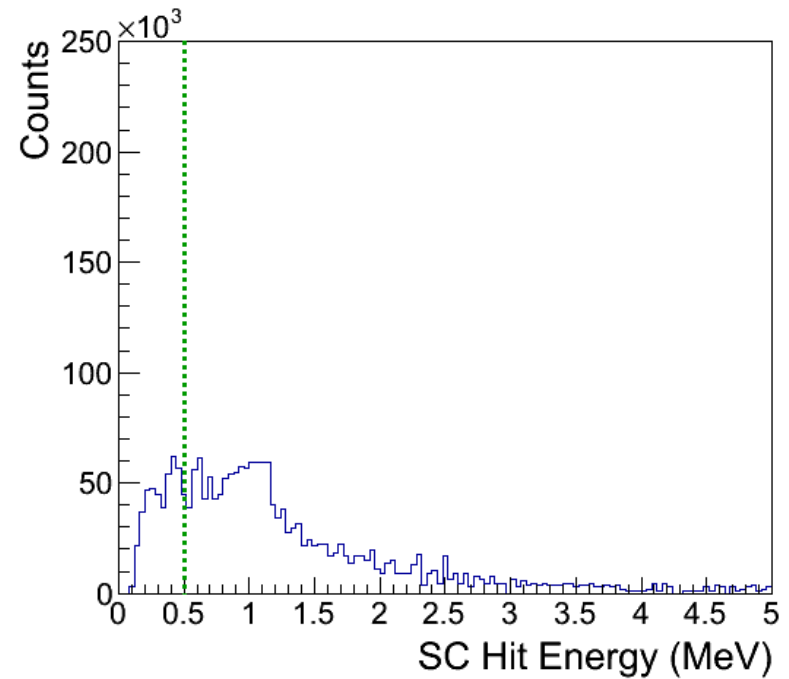
# Preliminary Rate Estimates

- Generated 5 billion beam photons in HDGeant for 1200 A (run 9104) and no field (run 9105) solenoid configurations
  - Assumed 100 nA beam current, 10 um Al radiator
    - BEAM card: 10. 10.5 0.0012 75.00 0.005
    - Simulations have 2mm plastic target
  - Normalized to  $4.65 \times 10^9$  photons/sec calculated by Richard Jones (to be documented on wiki)
  - ~10% job failure rate (due to EVIO crashes?)
- Extracted rate estimates per channel for subdetectors from mcsmeas output
  - Thresholds for SC and TOF: > 0.5, 1.5 MeV

# Start Counter Hit Energies

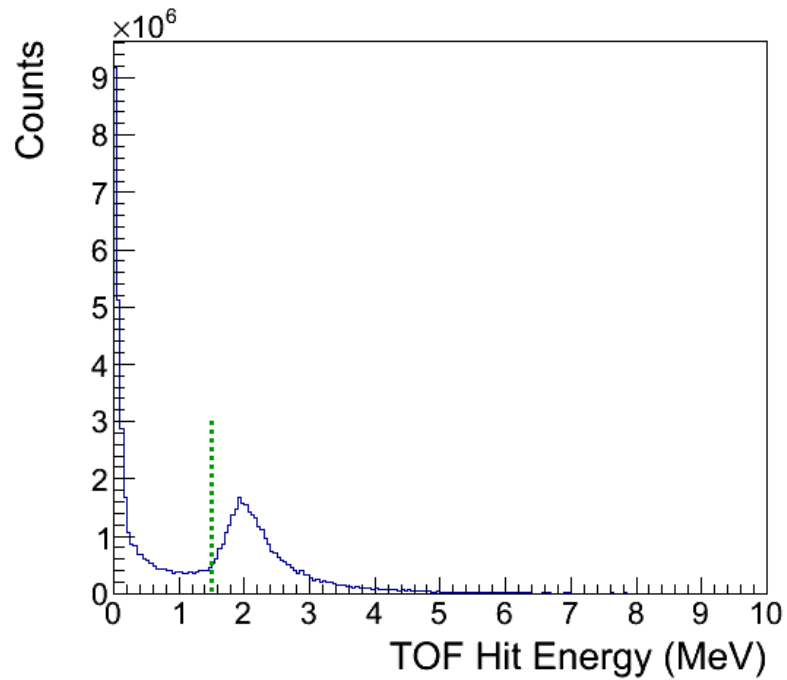


No Solenoid Field

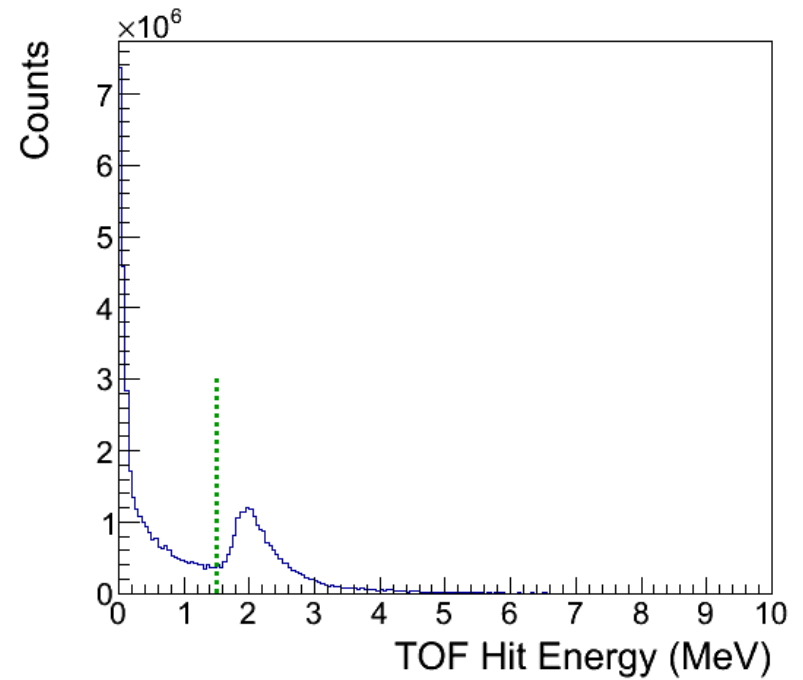


Solenoid @ 1200A

# TOF Hit Energies

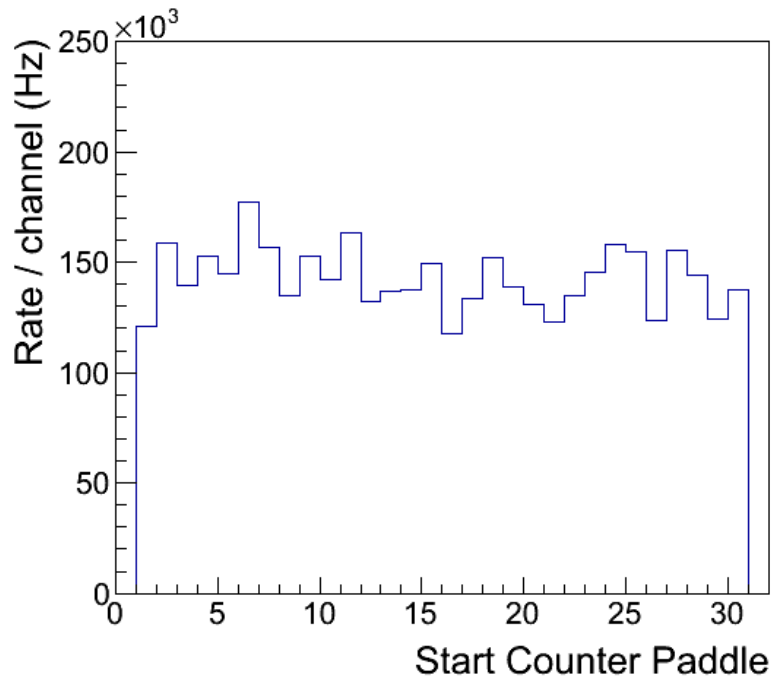


No Solenoid Field

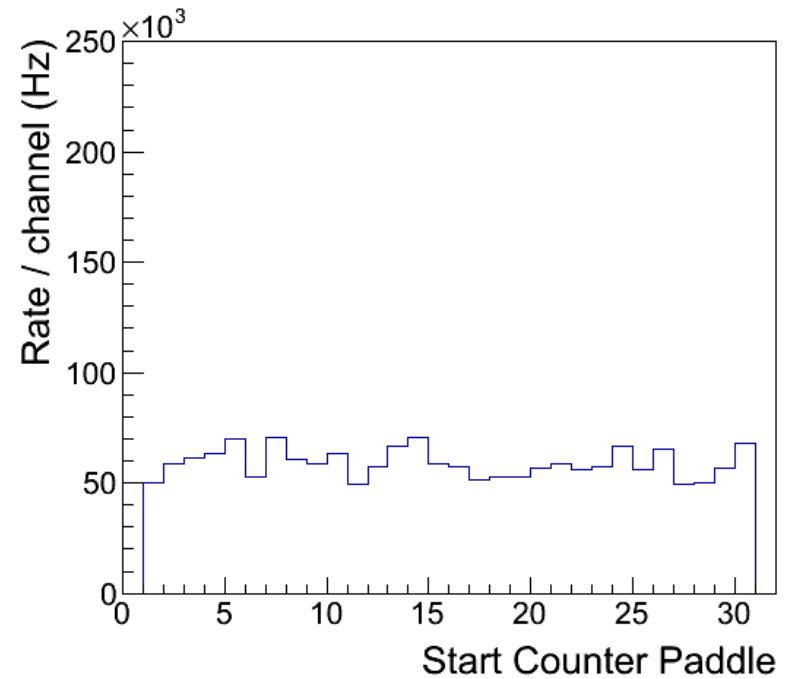


Solenoid @ 1200A

# Start Counter

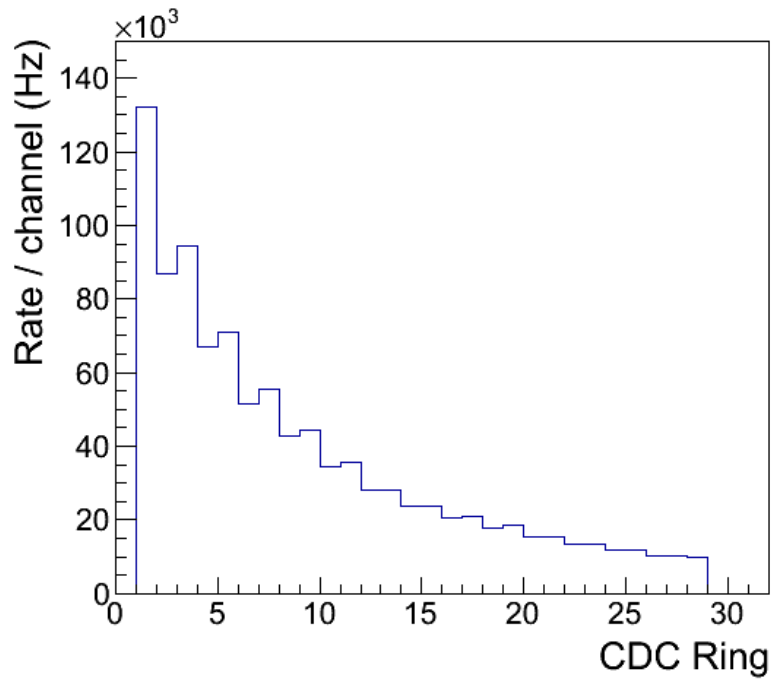


No Solenoid Field

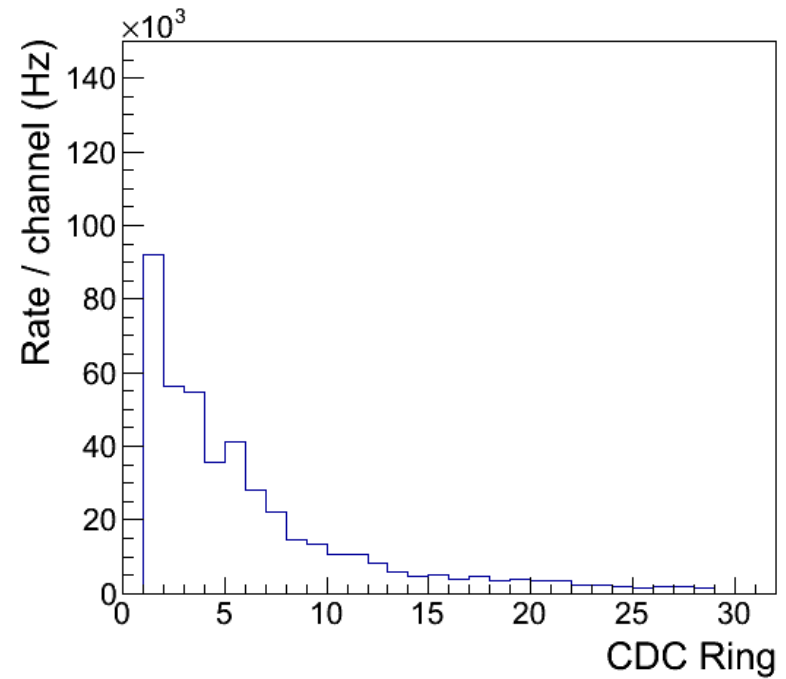


Solenoid @ 1200A

# CDC

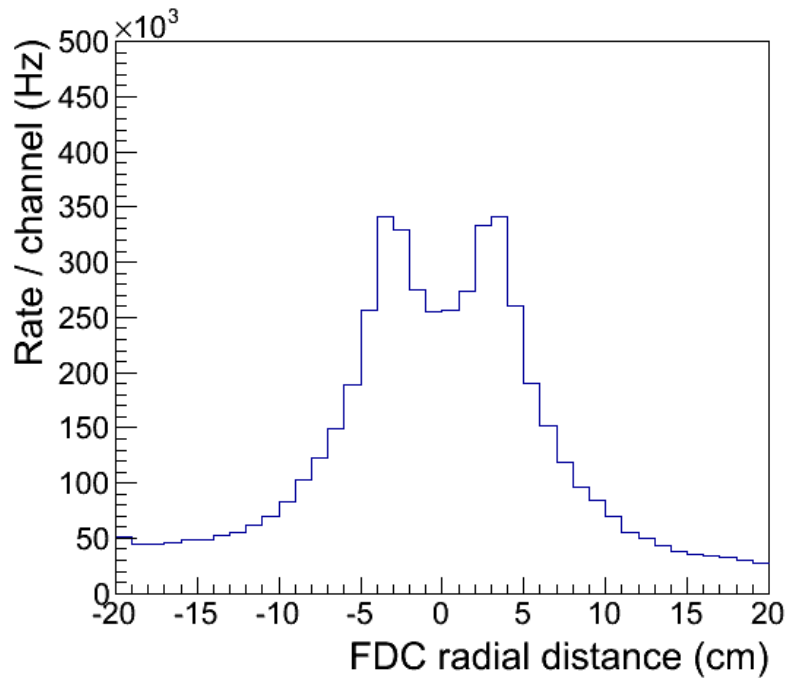


No Solenoid Field

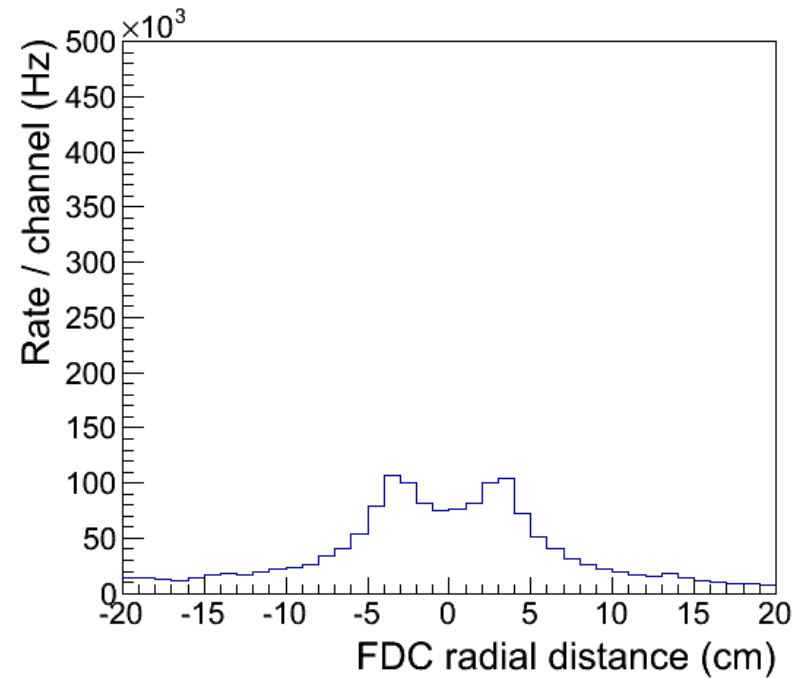


Solenoid @ 1200A

# FDC Strips – Package 1

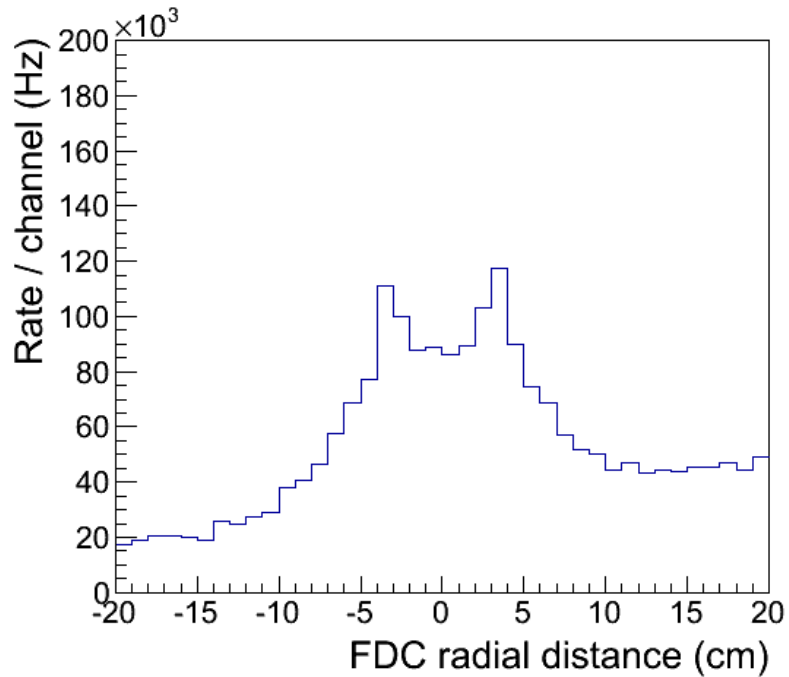


No Solenoid Field

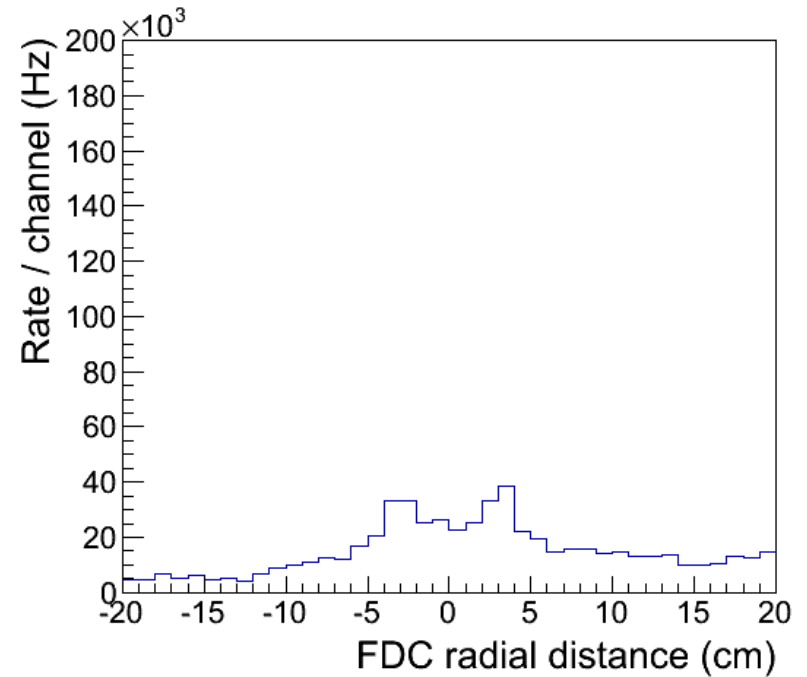


Solenoid @ 1200A

# FDC Wires – Package 1

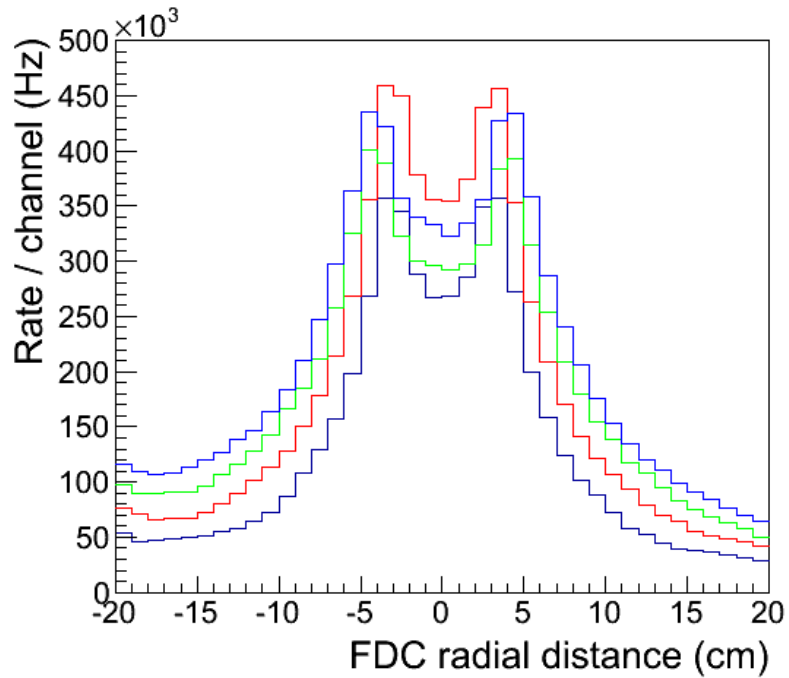


No Solenoid Field

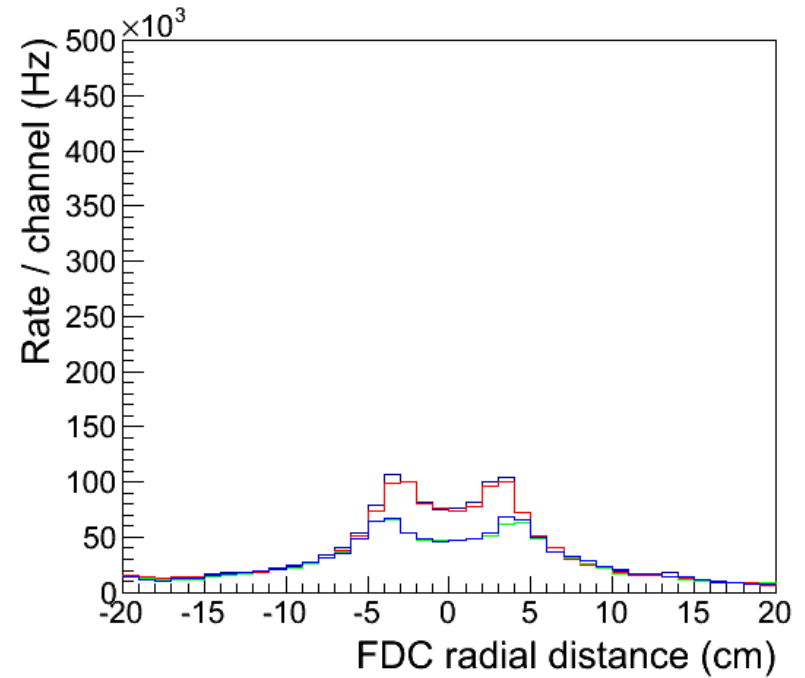


Solenoid @ 1200A

# FDC Strips



No Solenoid Field

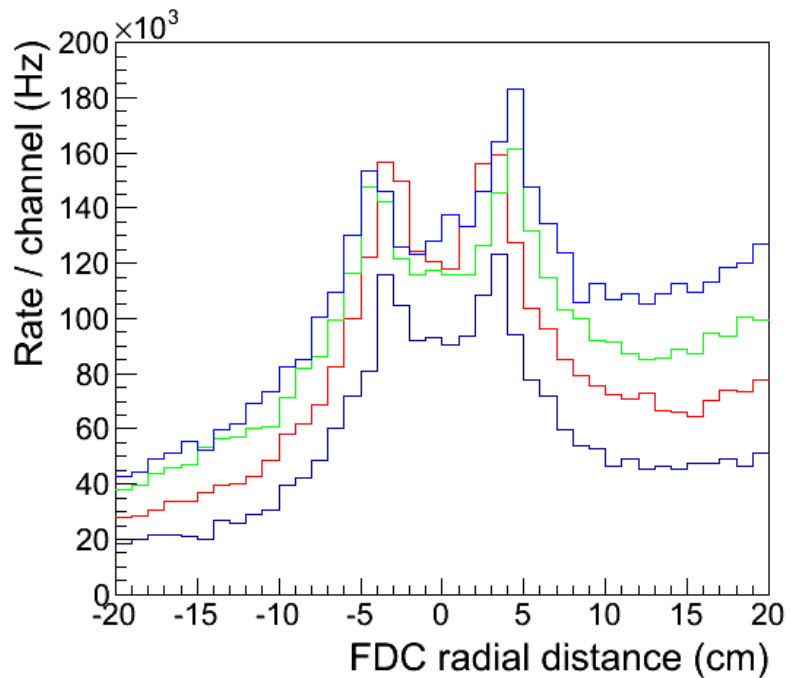


Solenoid @ 1200A

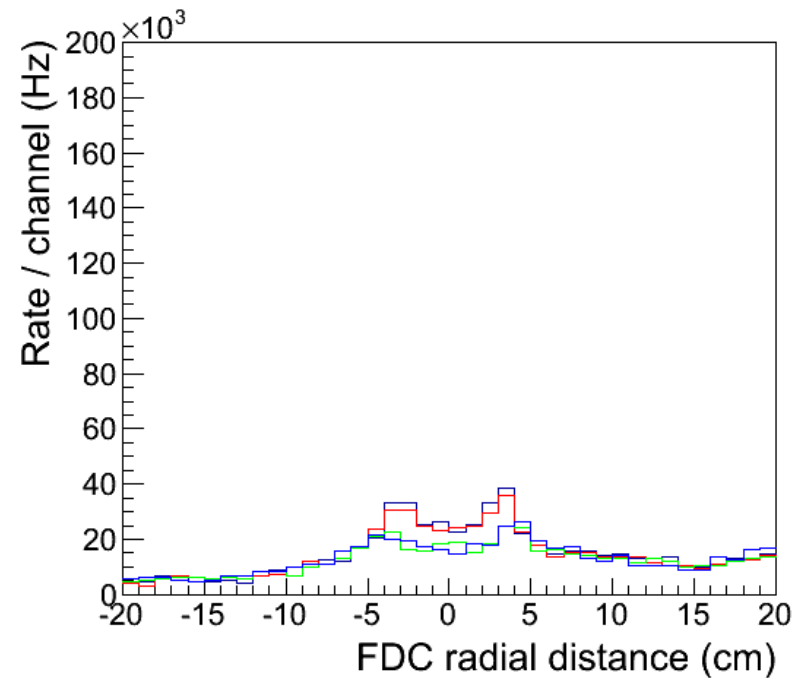
Black – Package 1, Red – Package 2,  
Green – Package 3, Blue – Package 4



# FDC Wires



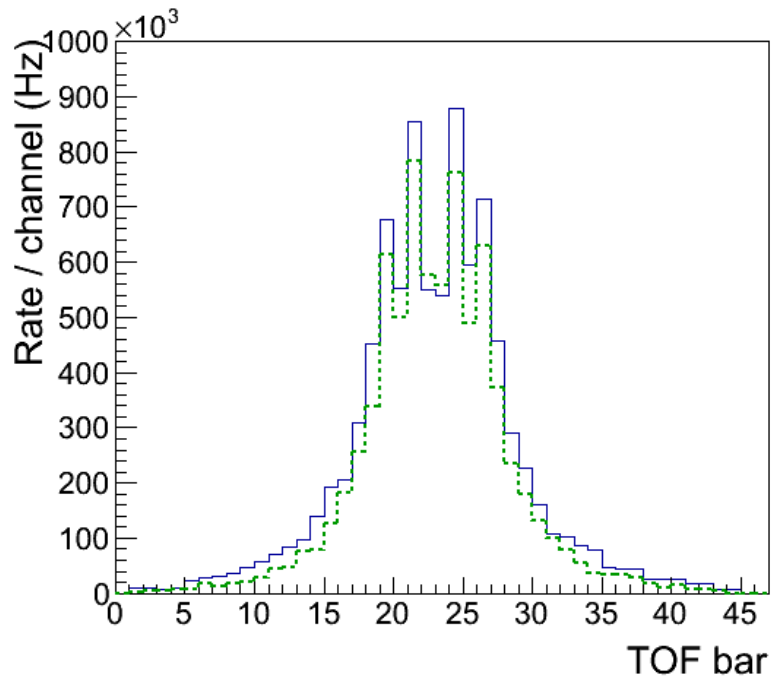
No Solenoid Field



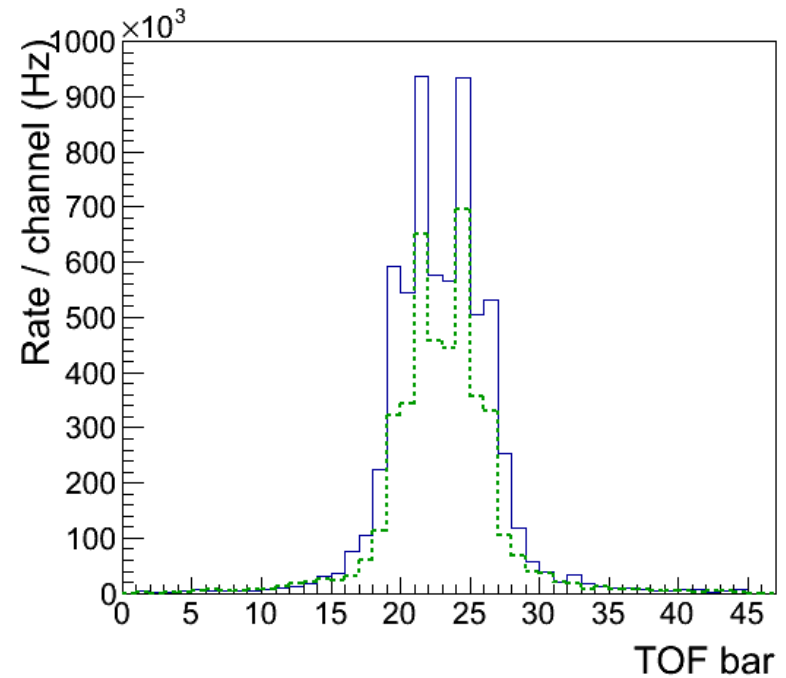
Solenoid @ 1200A

Black – Package 1, Red – Package 2,  
Green – Package 3, Blue – Package 4

# TOF



No Solenoid Field

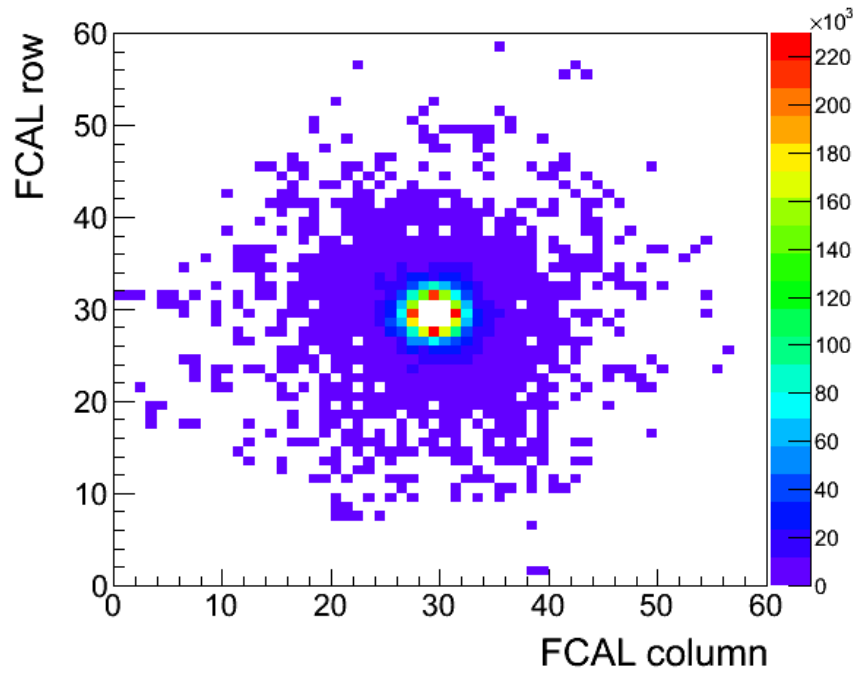


Solenoid @ 1200A

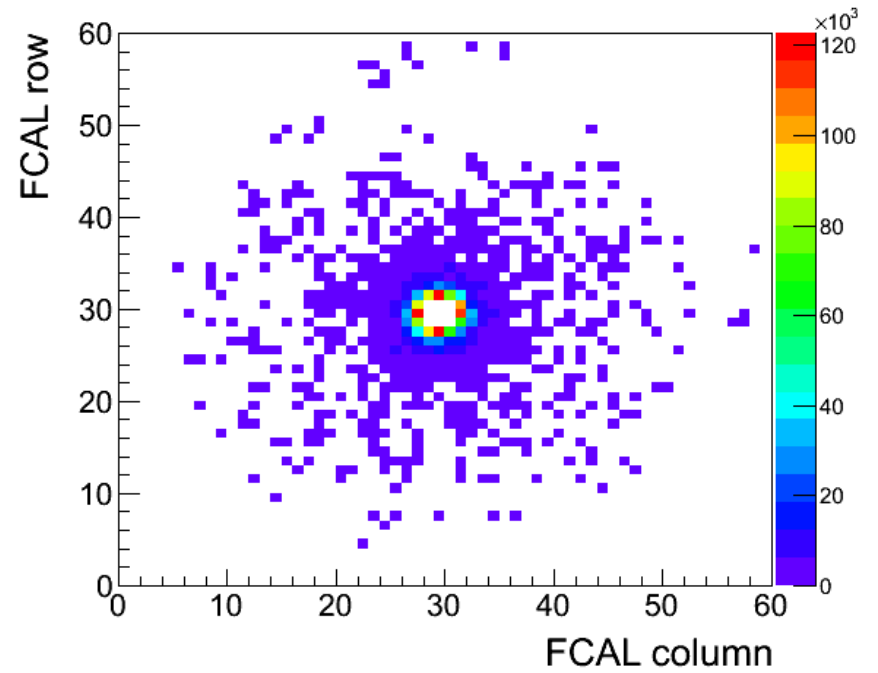
Solid line – Upstream plane

Dashed line – Downstream plane

# FCAL

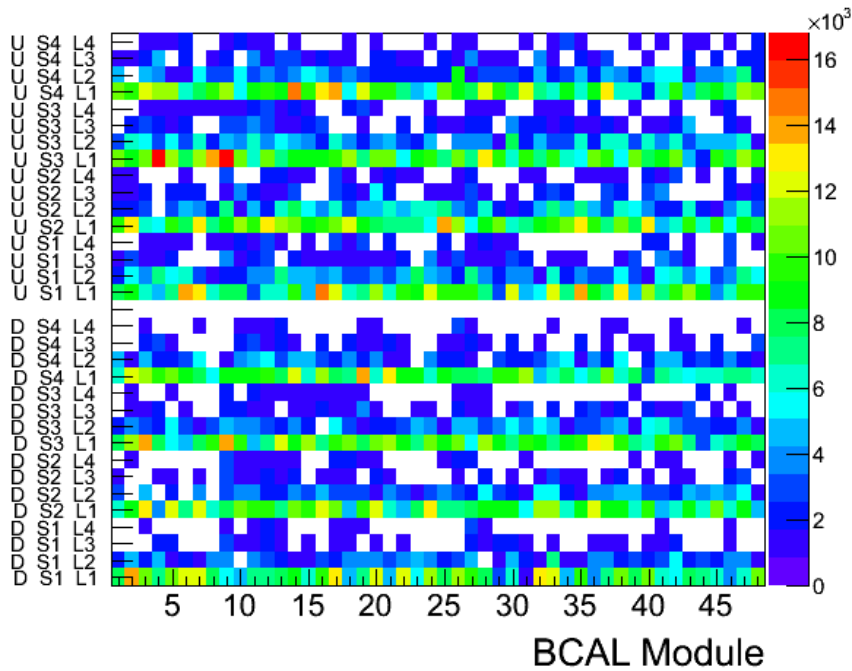


No Solenoid Field

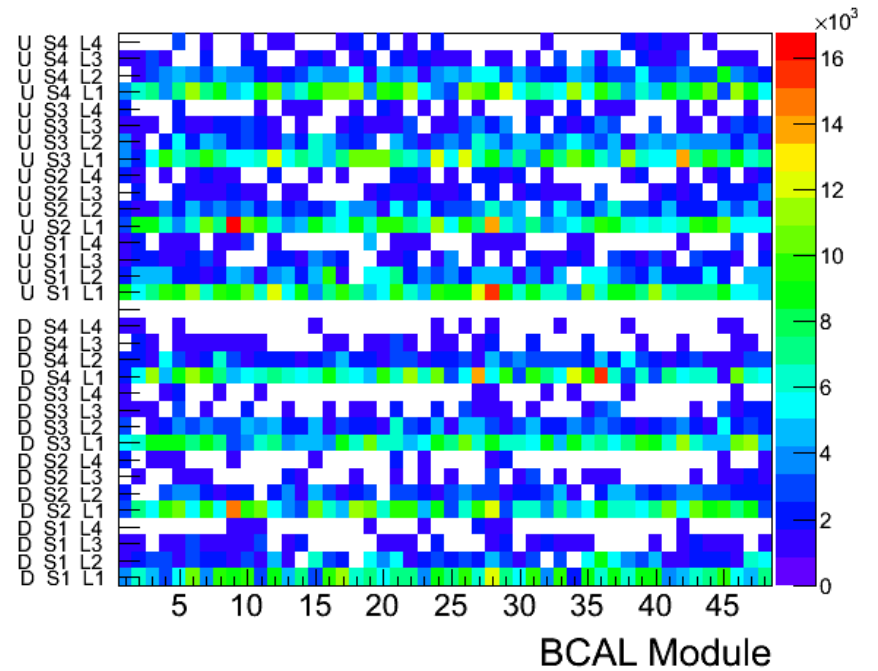


Solenoid @ 1200A

# BCAL



No Solenoid Field



Solenoid @ 1200A