# USING THE (n,2p) REACTION TO SEARCH FOR A PREEXISTING NUCLEAR Δ<sup>++</sup> COMPONENT

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# The Nucleus

• Traditional nucleus

n, p ~ 938.5 MeV

•  $\Delta$  component













#### Drift Chamber: Side View



# Analysis

#### event position = wire position +/- drift distance

- Which wire?
- Drift distance
- Which side?

#### **Closest Wire to Event**



# Find Drift Distance



# Which Side of Wire?



#### Add or Subtract Drift Distances



# **Future Work**

- Position relative to the beam line
- Trace back to the target