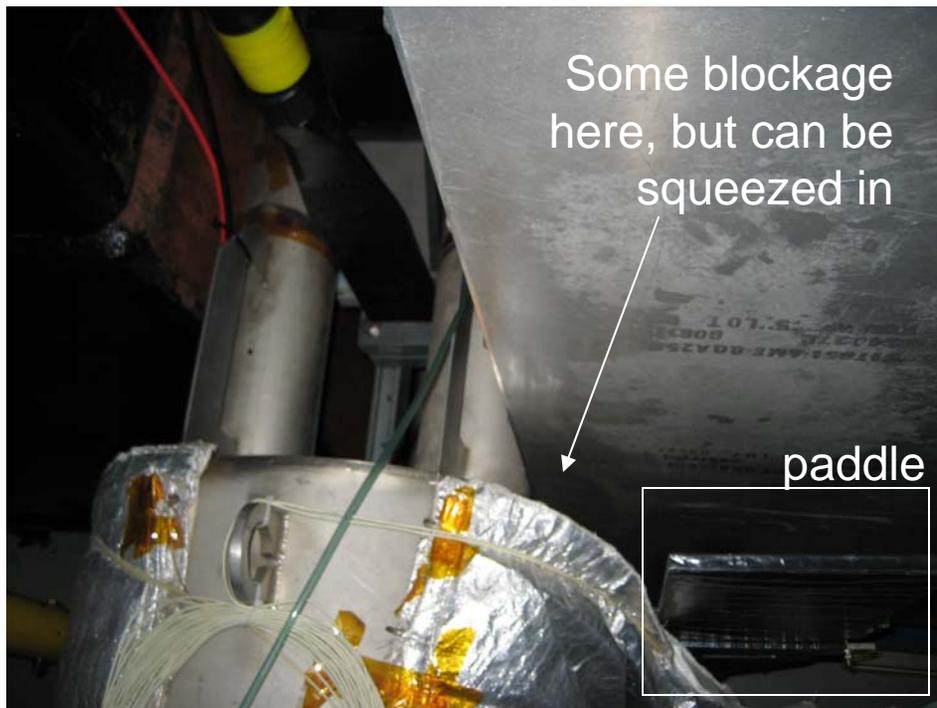


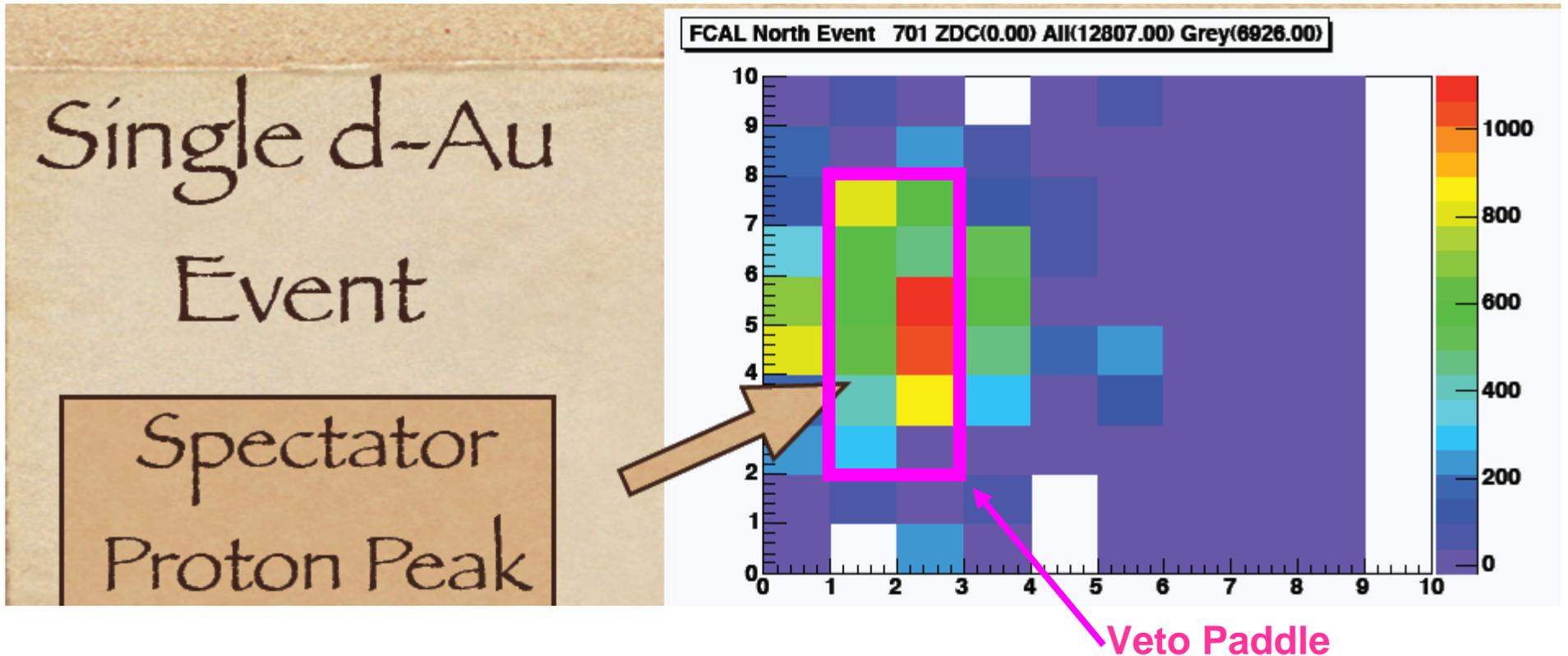
# Scintillator Veto for the FCAL

- Goal: Put a scintillator paddle in front of the FCAL to identify neutrons in the FCAL.
  - The paddles would be used to veto charged hadrons (protons, etc) and interactions in the beam-pipe, etc.



- Kenny built the stands. There is an issue with the paddles having to squeeze in against the beam-pipe, with the thermal insulation in the way

# Does it Cover Enough Area?



- Each FCAL tower is  $10 \times 10 \text{ cm}^2$ , I think
- The paddles we used were  $20 \times 60 \text{ cm}^2$
- Does anyone know if this will be effective as a veto?
- Also, I think we want this as close to the beam-pipe as possible, but I am not sure if we get good energy reconstruction if we hit the left most column of towers.
  - So where do we want to put the paddle?
  - Should we get a bigger one?