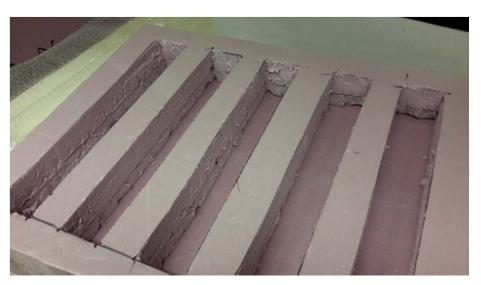


Shaping Foam (II)

- Cutting 1.5" foam using a box cutter +
- Gluing a 0.5" bottom.
- Works but results are "rough"
- Time consuming too.
- \$\psi\$ 3-5 boxes finished this way.





Shaping Foam (III)

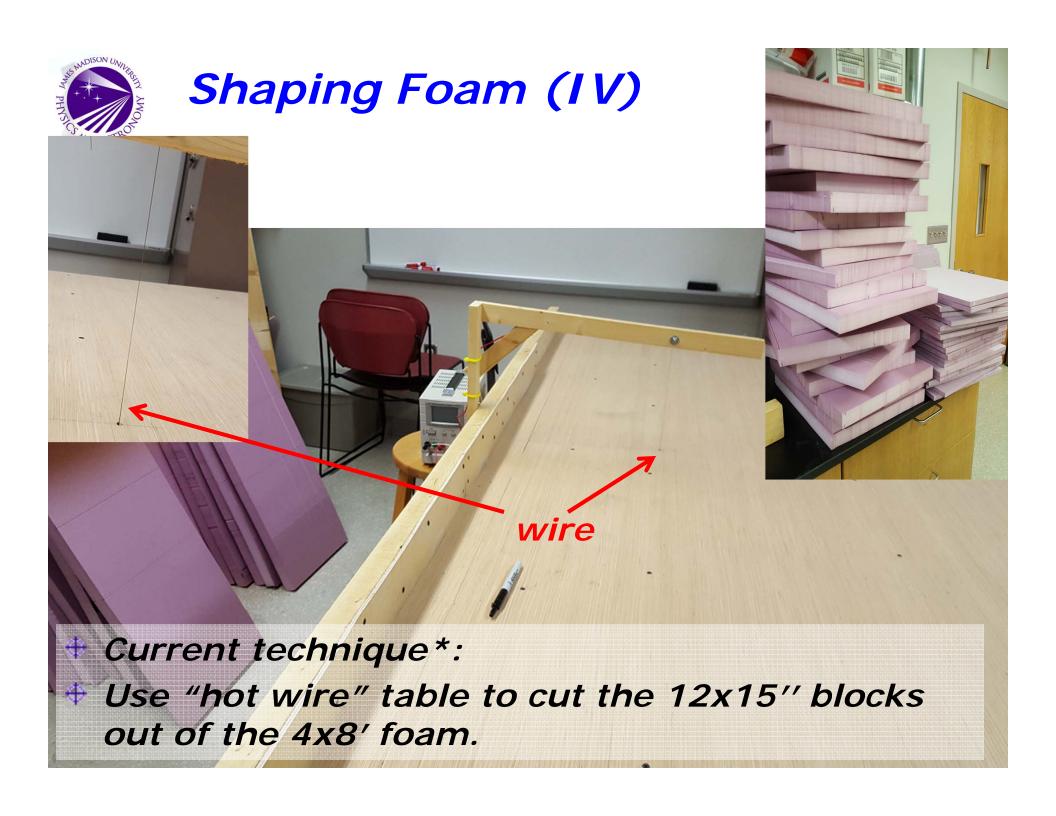
Using a "hot frame" to (try to cut) blind holes in 2" foam. (Also tried to melt whole hole 8.)

Use thicker (2 mm) Ni-Cr wire

... and lots of Amps! Use Old PC Power Supply.



- Does not work for long cuts (wire bends).
- However, helped us get to the current solution!



Shaping Foam (IVb)

Mark (using a template) the outline of the holes

Going off the rails on a foamy train!



Glue bottom 0.5" layer

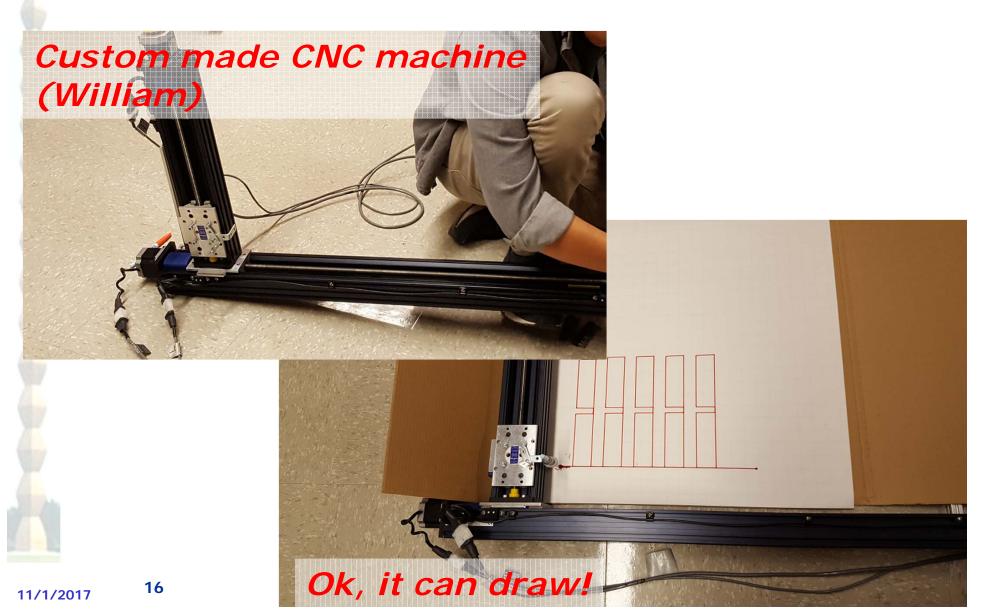


- Works well!
- \$\psi\$ ~20 boxes done!



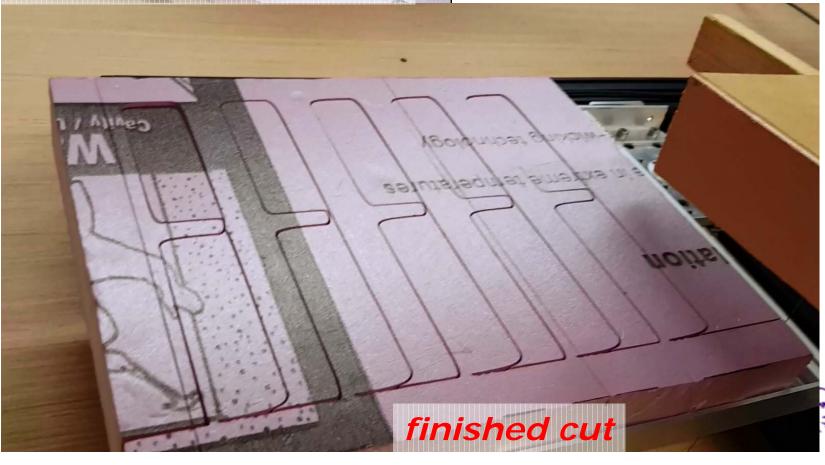
Shaping Foam (V)

This is how we will finish (at least a few boxes)











Current Status (I)



- Cutting & gluing foam is workable.
- Reasonable quality. Fast (if built in quantity).
- Cost: ~\$30/box including labor, mats., etc.
- Built ~25 boxes thus far. Finish building over the next month.
- Used to transport more PMTs
 JLab -> JMU (240-400 per trip)
- Current count: ~1400 tubes @ JMU.

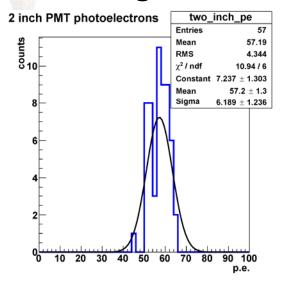


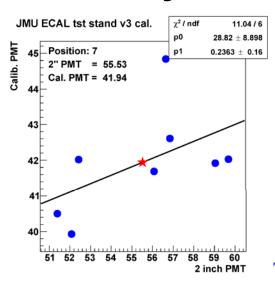


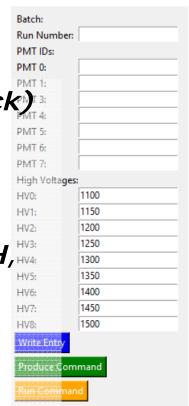
Current Status (II)

- Pestarted testing tubes in earnest (Will, Patrick)
 - William & GN to-do list: finish GUI
- Recalibration of the test stand (IN & GN)

 - Not much has changed!
- Two boxes done, third box in-progress (100+)
- Adding ~20 more tubes/day.







LabRun2

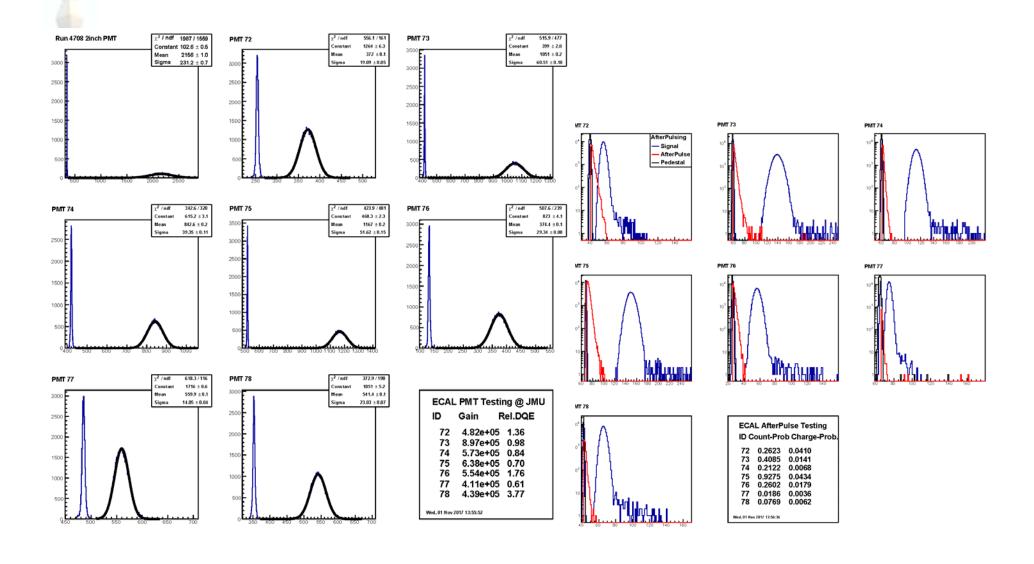


' Meeting



Current Status (III)

Just a page w/ test results.





Outlook



- Expanded the scope of the ECAL work
- Reasonable (and affordable) solution for storing/transport.
- Finish moving tubes to JMU by the end of 2017.
- Finish testing tubes by Summer 2018.
- 🎔 PMTs stay in storage @JMU until needed.

