

# Simulation & Other Works Update

- ❖ Completed installation of simulation software on lab computer
- ❖ Currently resolving one simulation issue
- ❖ Updating MWPC design files



# Simulation Issue

- Events are disappearing

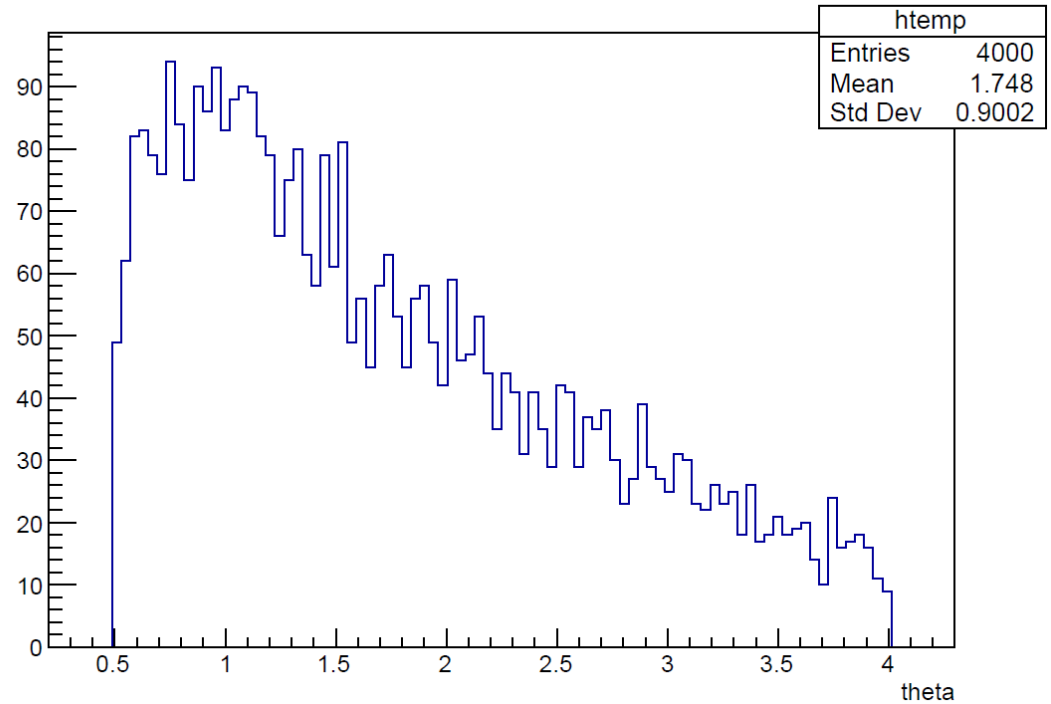
gen\_2mu – creates 2000 muon pair events

CPPsim – processes 2000 events

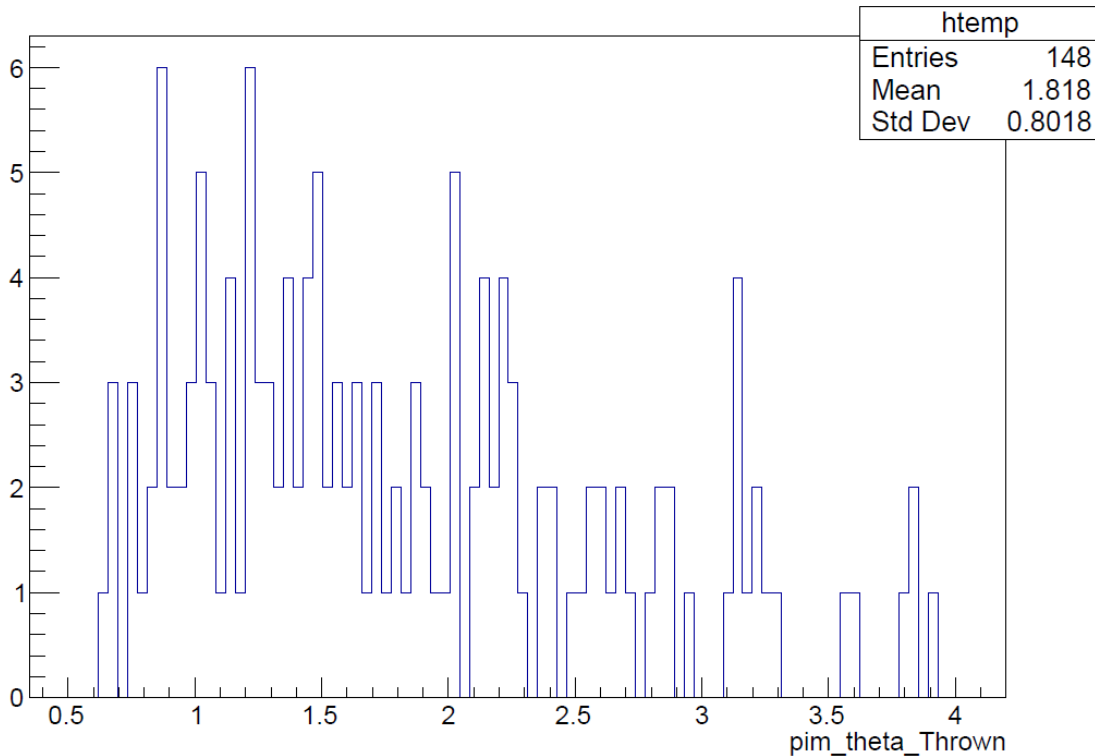
mcsmeas – processes 193 events

hd\_root – processes 192 events

theta



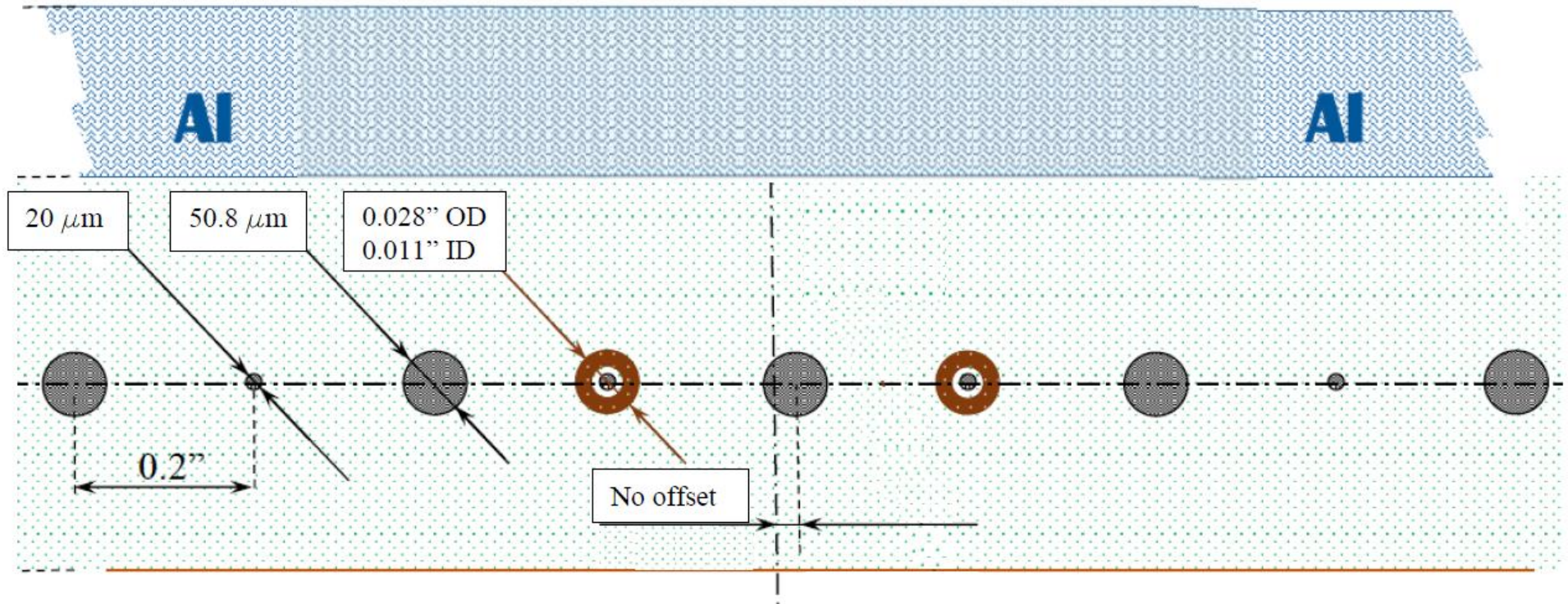
pim\_theta\_Thrown



**Above:** Angle distribution for 2000 muon pair events, from gen\_2mu

**Left:** Angle distribution after processing events through CPPsim, mcsmeas, and hd\_root

# Gathering MWPC parameters



# Looking Forward:

- ❖ Resolve simulation event issue
- ❖ Use simulation to obtain MWPC data (Jordan + Bobby)
- ❖ Finish gathering MWPC parameter values
- ❖ Assemble MWPC
- ❖ Finalize electronics design