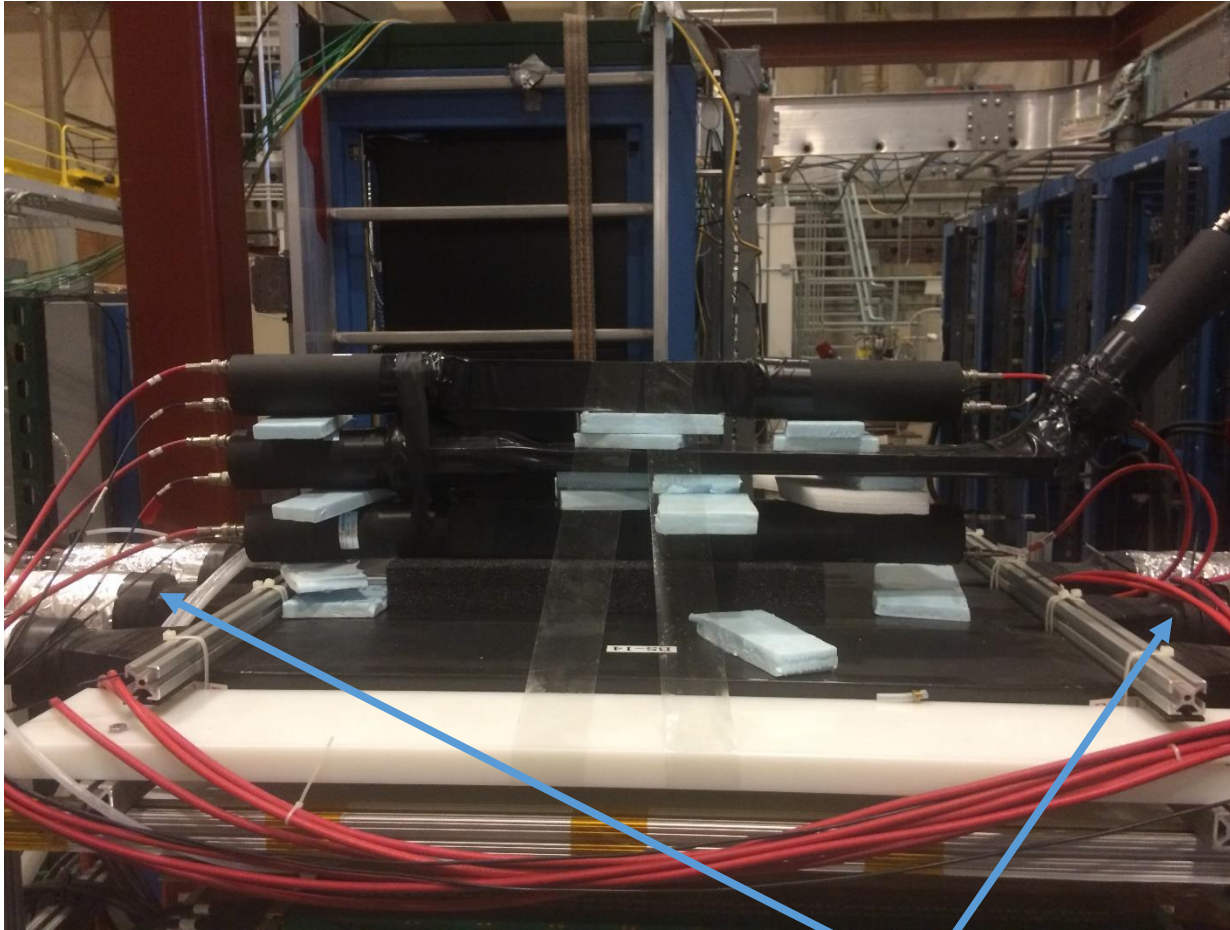


# LASPD Time Resolution Test Update

Ye Tian and Jixie Zhang

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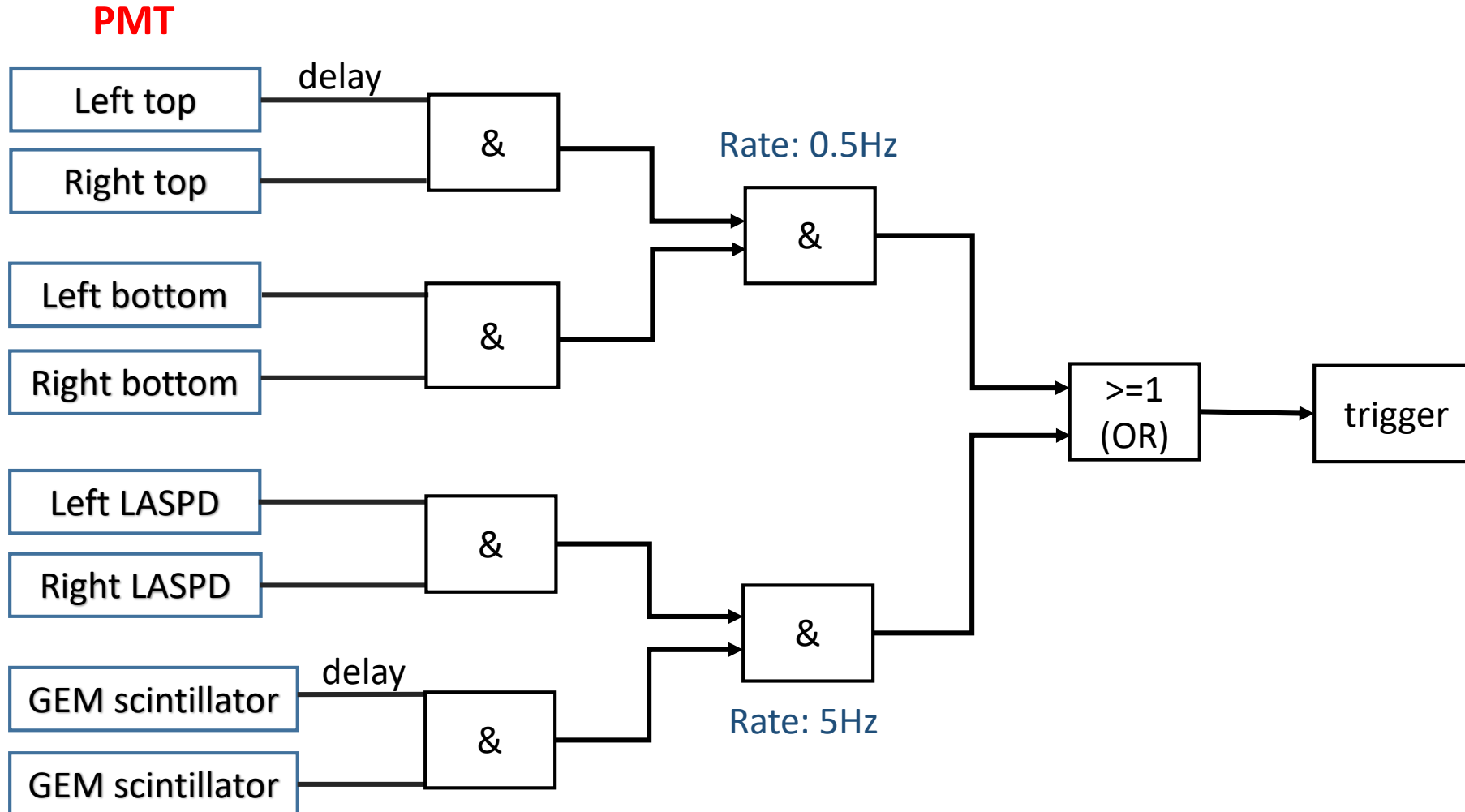
# Test Setup



Added GEM scintillator

- LASPD is set parallel to reference scintillator, and reference bar only cover left side(narrow) of LASPD.
- Using the 1<sup>st</sup>, 4<sup>th</sup> and 5<sup>th</sup> layer of GEM, to get better hit position reconstruction on scintillator.
- As Jixie's suggestion, add GEM's another large paddle scintillator to trigger, try to improve the efficiency of test. But this method rely on the good time resolution of the large scintillator.

# Trigger Logic Sketch



# Work progress and problems

- Cable connection and test are completed, the detector is ready for test
- GEM is filled with Nitrogen now, and ready to fill with working gas to test
  
- Some problems in DAQ readout software CODA, Danning is trying to solve the problems(TDC not working now, had confliction with GME readout MPD)
- Need enough test time to get full enough statistics