

HMB Scintillator Triggers

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HMB Meeting
10/19/2020

Some Tuning

- Both HVs +~100V
 - Now see clear peak above threshold
- Tails in time difference distribution
 - 450ps on central Gauss, similar value on RMS central 95% of data
- How much of the time resolution is due to unequal propagation time effects?
 - Rotating one trigger PMT by 180deg yields ~400ps additional time resolution component
 - Ultimately need tracking info to disentangle effects
- 300ps jitter on trigger output signal not yet understood, analysis ongoing...

