

BKLM Scintillator Readout Status

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Scintillator Readout To-Do

- Plan to use trigger stream recording feature as soon as it's available
 - Thanks to Dmitri for implementing this!
 - Goal: look for scintillators hits correlated in time+position with RPC hits using just trigger primitives (continuing studies performed by Gary previously)
- Comment: some (most) of these tests require RPC HV on
 - Not ideal, based on recent experience need to be prepared to take data whenever there's a break in injection studies
 - Would like to use scheduled downtime for extended study as well
- Initial trigger stream test plan:
 - Repeat previous test: default scint + RPC configuration (baseline)
 - Trigger threshold scan: vary scint channel trigger threshold until encounter dark noise "floor"
 - Extended MPPC only runs: study time correlation of only scintillator hits
 - Advantage is this can be done at any time ie during injection tests when RPC is off