

# BKLM Scintillator Readout Status

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# Scintillator Readout Recent Activity

- Significant progress with data concentrator firmware test less week
  - Variable RPC efficiency solved?
  - On first glance no impact on scintillator hit rate
- Re-ran MPPC calibration scripts during local debugging periods last week
  - Comparing results with previous calibration file and test-stand trigger scalar distributions provided by Chris K.
  - Progress slowed by unreliable data-taking (for me) and now start of beam tuning phase
- Current plan is to test an updated MPPC calibration when detector is available for local mode running (when?)
  - Take UT3 cosmic data in local mode, ideally record trigger stream to look for scintillator hits

# Plan - Debugging Scintillator Readout for GCR

- Debug SCROD-DataCon DAQ data stream - **Done**
- Debug SCROD-DataCon Trigger data stream - **Done**
  - Need to follow up last week's tests
- Check latest version of high-rate scintillator readout - **Done**
- Take UT3-triggered cosmic data in local mode to look at hits - **Revisit later**
- Check MPPC HV + threshold calibration - **In progress**
  - **Need to test updated calibration on detector when available**