E2E High Rate Test Implementation

- **Background**
  - **The End to End Test Committee recommended that a high rate test be performed**
  - **Previous implementations of this test via LATTE used the external trigger so that the proper arrival time distribution could be generated**
  - **The same approach through LICOS will require additional work by FSW, which we would prefer to avoid**
  - **This discussion is to examine the alternatives**
- **If we can't do the test through LICOS and FSW using the external trigger, there are 2 approaches**
  - **Stay with LATTE, which will exercise the data flow through the GASU, but not through the EPUs**
    - **Not a good option, since the goal of the test is to check data flow from the detectors to the LAT output**
  - **Use the periodic trigger**
    - **Can get the desired rate, but the interval distribution is not the same**
      - **Note LAT "muon" rate ~ 500 Hz**
- **Discussion**