

# TriggerPrimitives

- TPG algorithms work\*, and in system where we aren't stressing the readout, seem somewhat well-behaved
  - \*generally keep up with data, don't seem to give complete garbage results?
- Still, there are a number of issues related to TP dataflow
  - TPs complicate readout server performance when we have high instantaneous rate of readout
  - Dynamics of TPSet creation seem ill-understood, causing downstream problems on trigger (ok, now effectively disabled), and tpwriter (Kurt took an initial look...) with either low or high rates of TPs
- What's needed?
  - It would be desirable to run with TPs at a reasonable threshold for 'physics' on at least one plane per APA
  - It would be highly desirable to run TPs at even a high threshold for use in overall detector monitoring
  - (not to mention how it'd be nice to have higher-level algs available for such checks too, but here there is detailed work that needs to be done to improve higher-level trigger alg performance...)