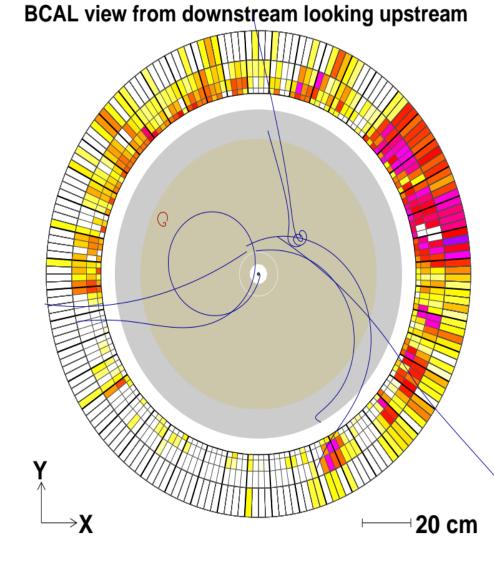
## BCAL LED Pulser Trigger & Quadrant Investigation

Ahmed Foda, U Regina Calorimetry Working Group April 4, 2019

- Investigating BCAL-LED FP trigger instability.
- BCAL-LED skim plugin uses

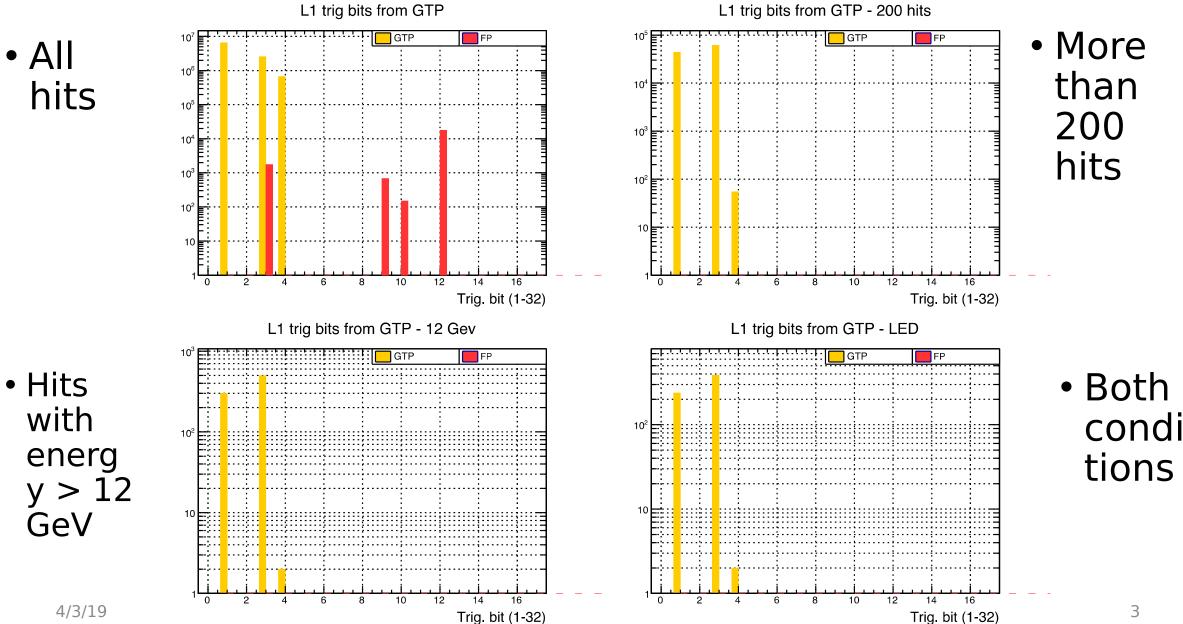
   1)FP trigger or 2)200 hits or 3)12
   GeV energy
   in the BCAL (2&3 were not active due to a bug).
- Events with GTP trigger 1,3 (BCAL/ FCAL physics) and 4 (PS trigger) leak into the skim due to conditions 2&3.



Example leaked event Run 51262

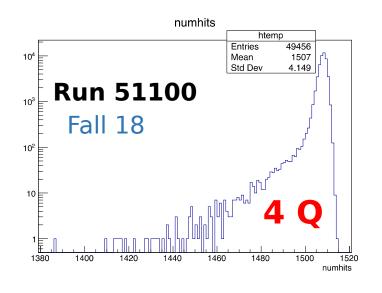
## Trigger Bit Histogram – Recreated by AF's code

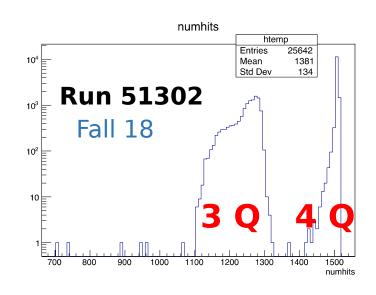
• All hits

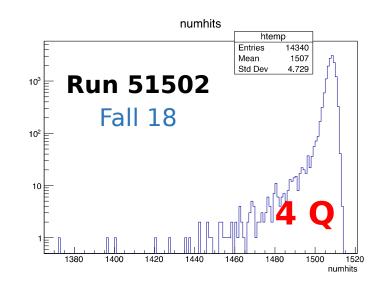


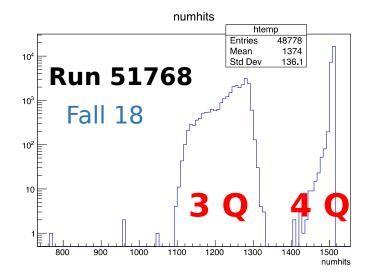
4/3/19

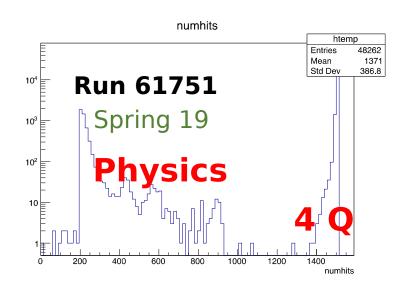
## Quadrants - Controller not firing?











 Plugin histograms the number of BCAL hits per event in BCAL-LED skim files.

4/3/19