

Collimation MD 15/11/2006

BLM Data

4 BLMs installed around the jaws

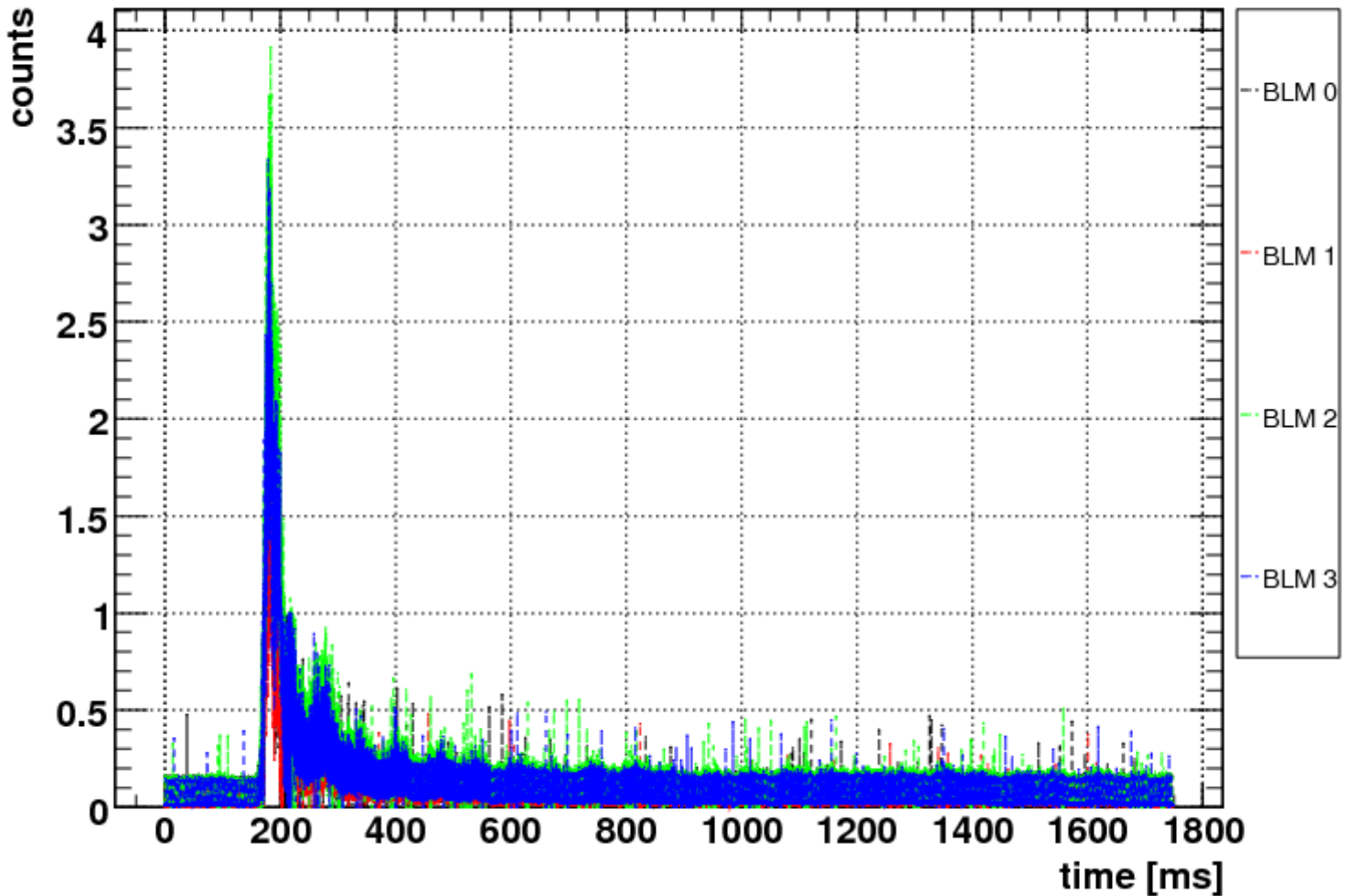
4 positions (motors) recorded

Available data

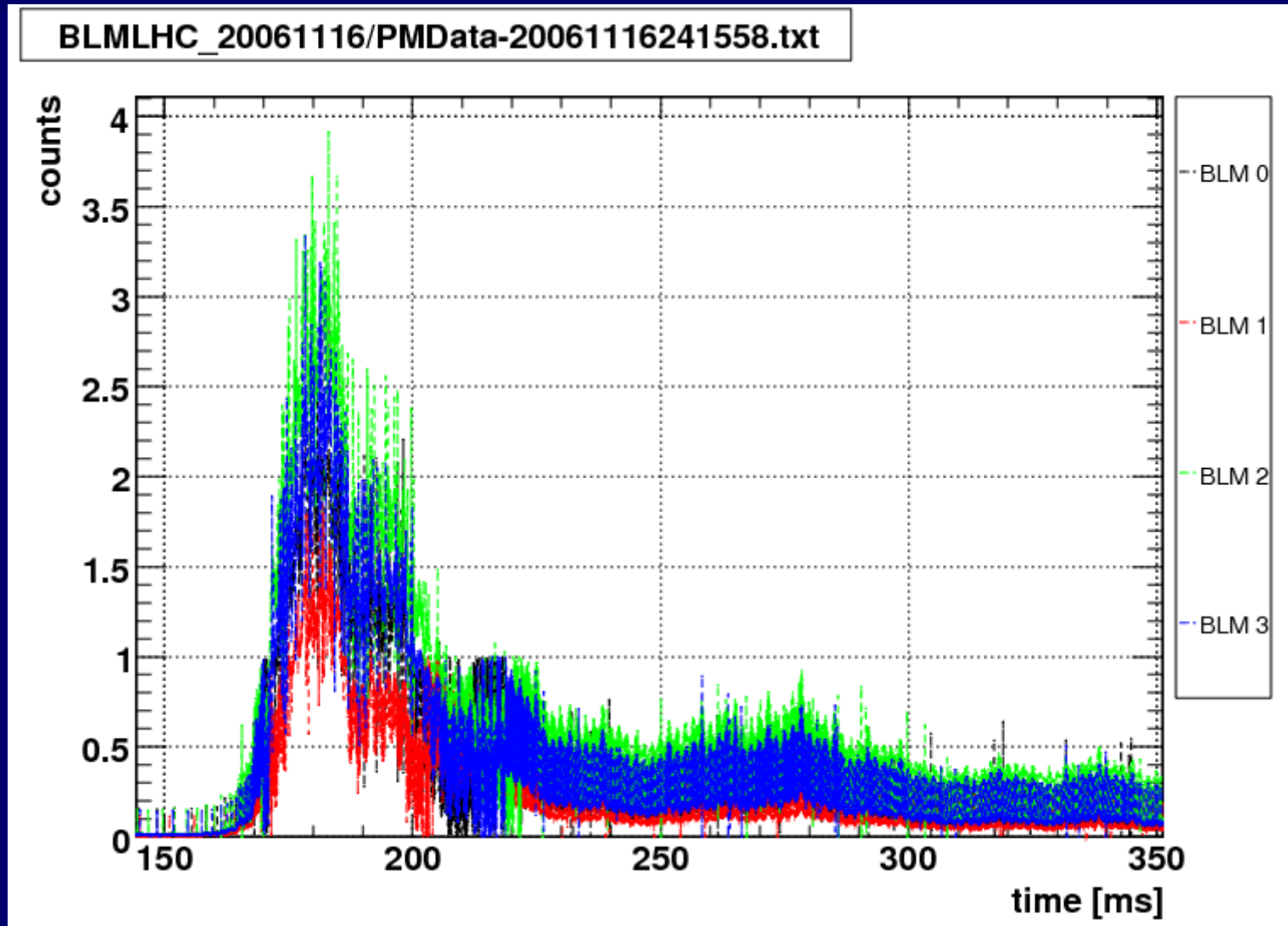
- 1.7s (40us) Post Mortem triggered by movement
- 80 ms Collimation PM (2.5 ms repeated sum)
- Peak of 12 Running Sums every second

Post Mortem data – 40us running sum

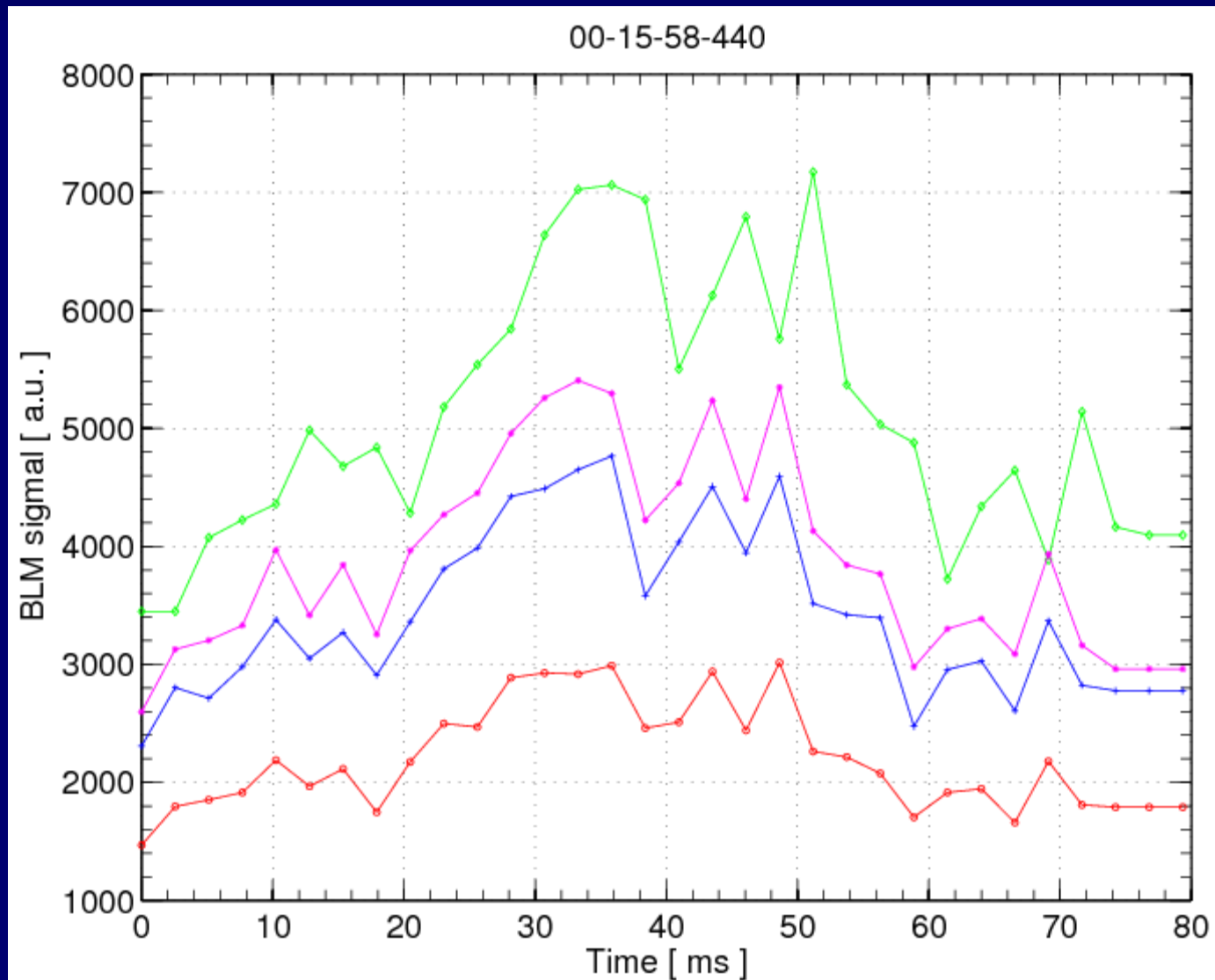
BLMLHC_20061116/PMDData-20061116241558.txt



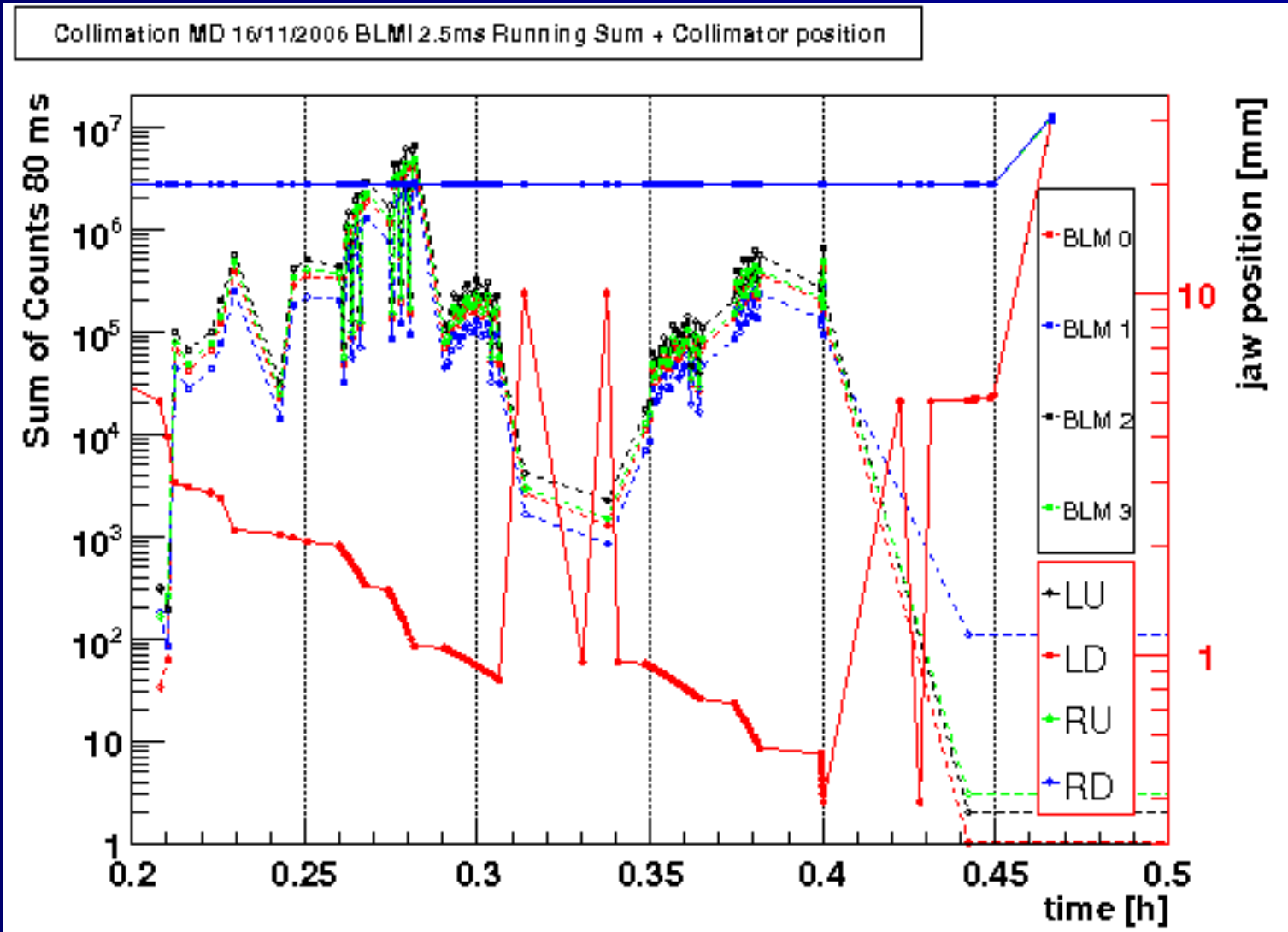
Post Mortem data – 40us running sum



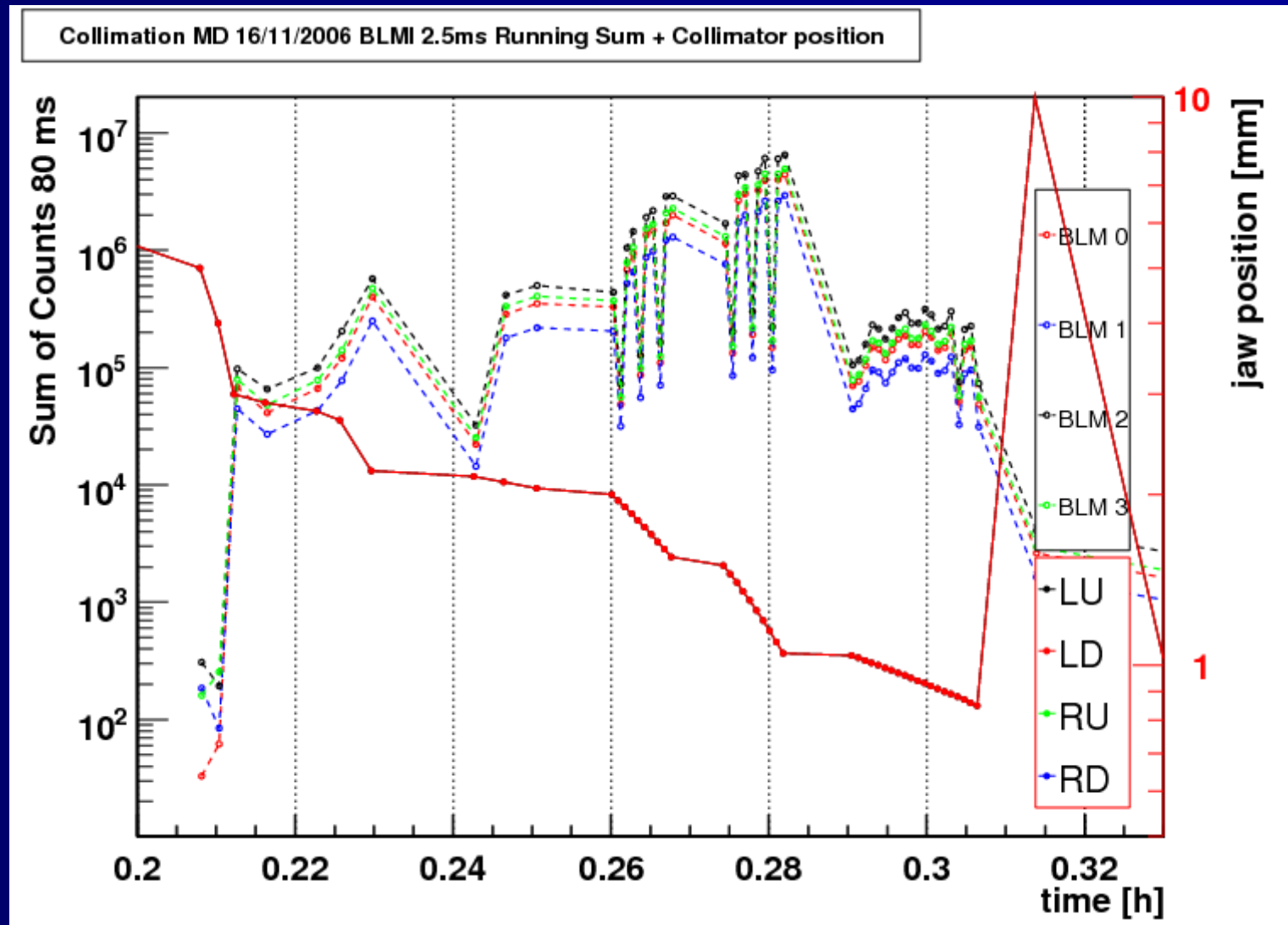
Collimation "Post Mortem" 2.5ms repeating sum



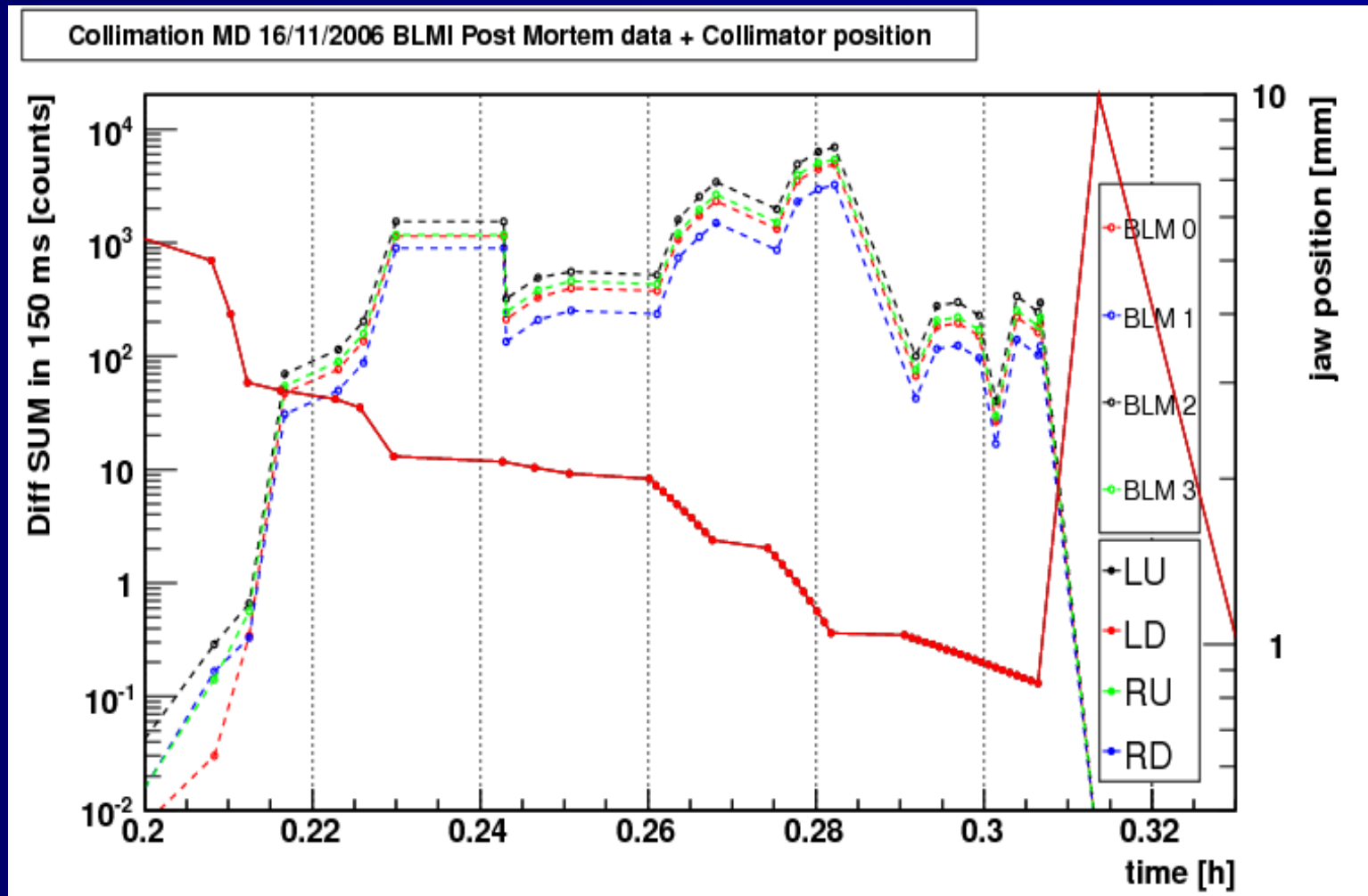
2.5ms data Integrated over 80ms with Position of Jaws



Zoom to see "oscillations" in data



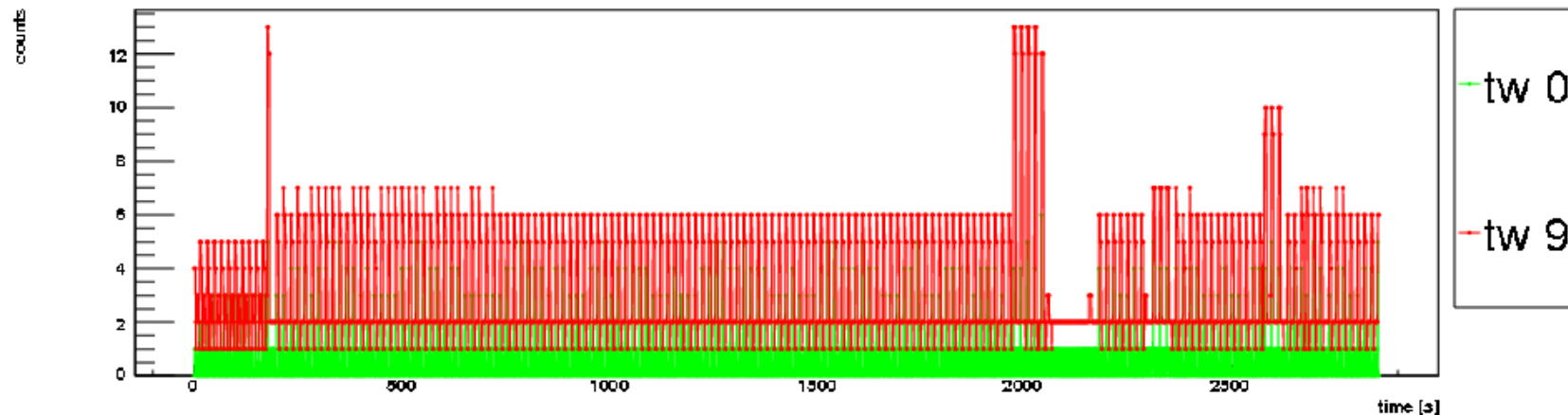
The same for PM data (SUM)



Short Conclusions

- The LHC BLM acquisition chain was tested
- Data logging works correctly
- Problems with multiple triggers to PM
- Need more time to understand the data

SEM on TIDV dump 10/11/06 FT 400 GeV beam



BLMSPS on TIDV dump 10/11/06 FT 400 GeV beam

