

# **Collimation MD 15/11/2006**

## **BLM Data**

4 BLMs installed around the jaws

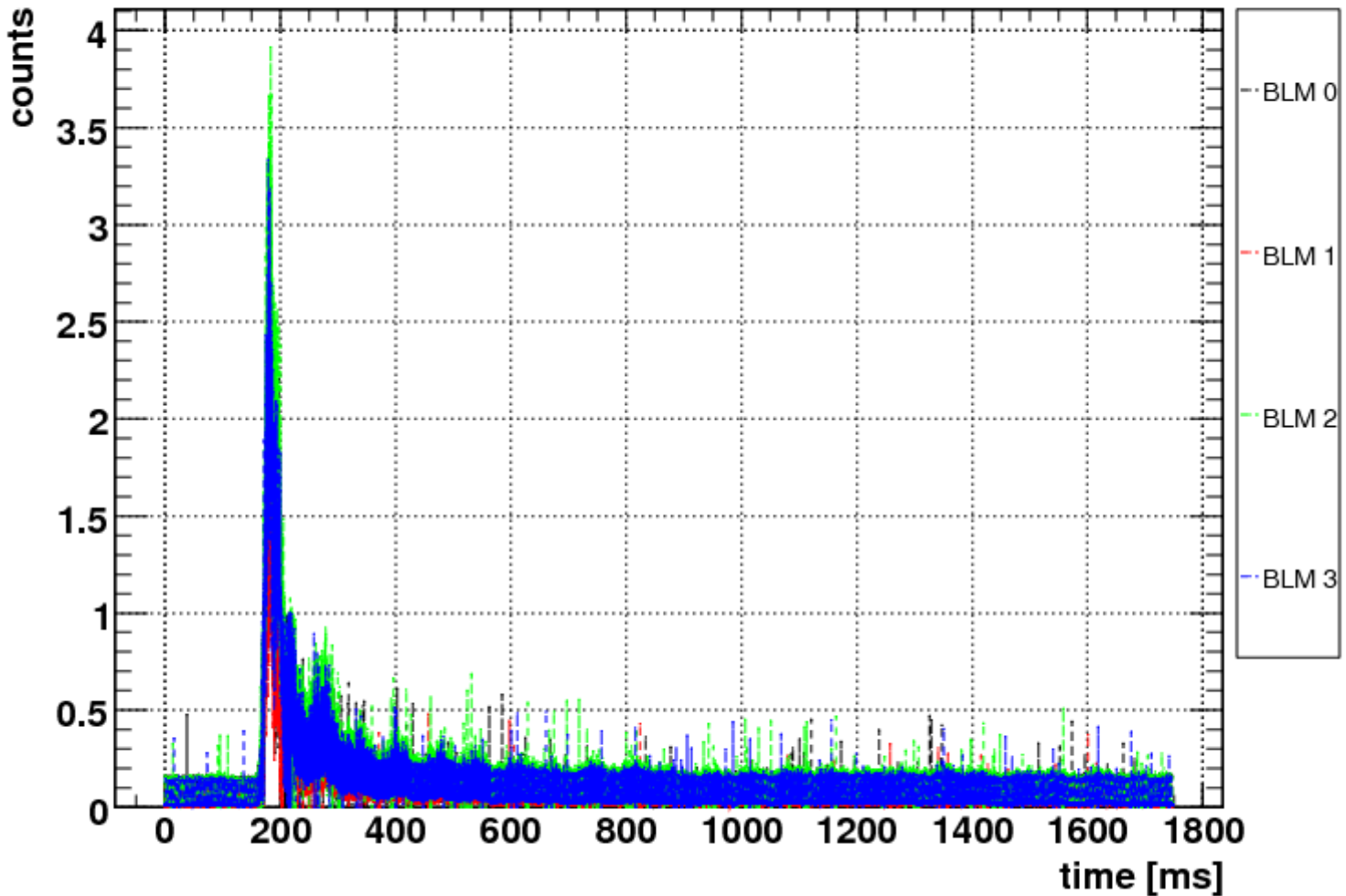
4 positions (motors) recorded

# Available data

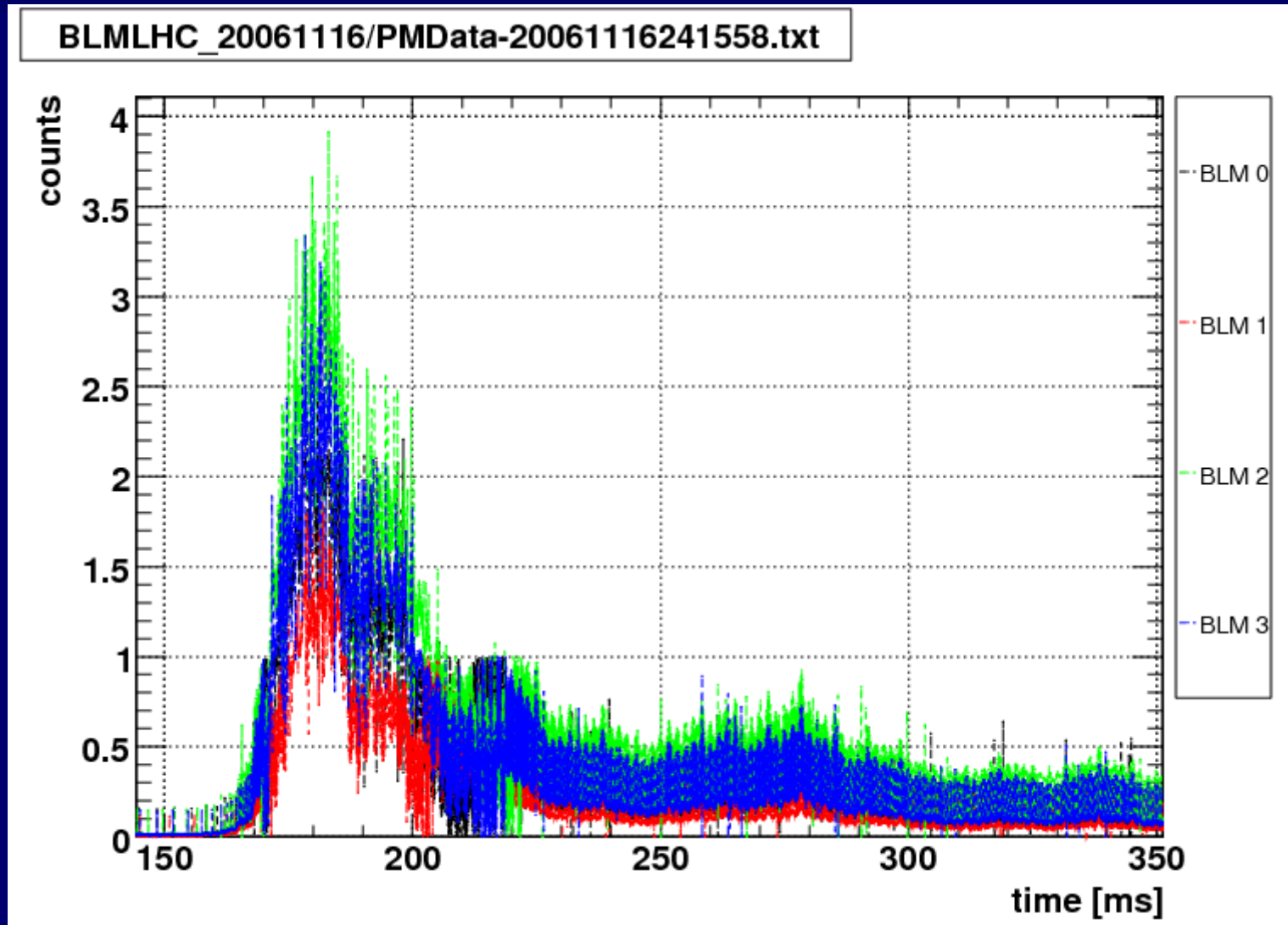
- 1.7s (40us) Post Mortem triggered by movement
- 80 ms Collimation PM (2.5 ms repeated sum)
- Peak of 12 Running Sums every second

# Post Mortem data – 40us running sum

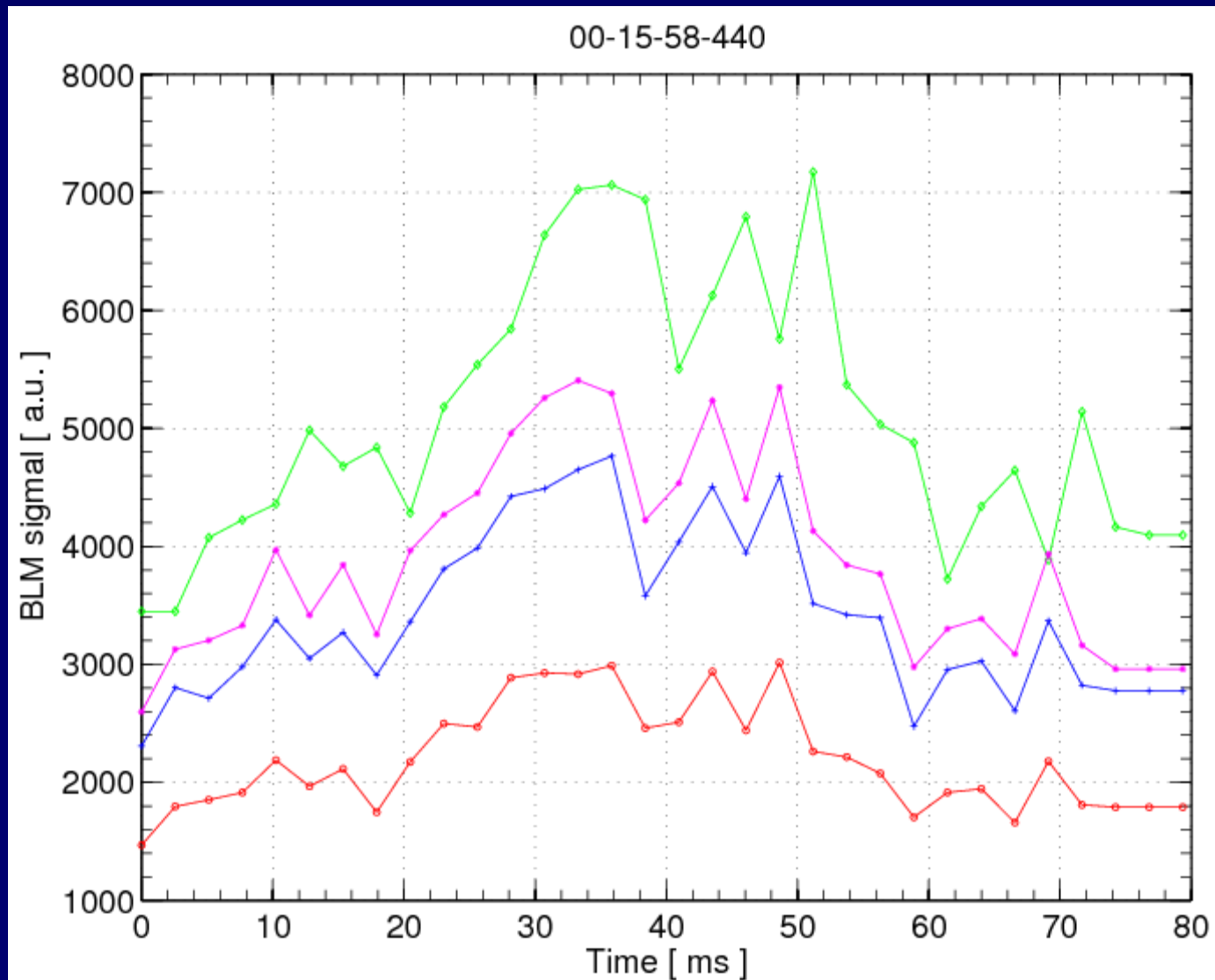
BLMLHC\_20061116/PMDData-20061116241558.txt



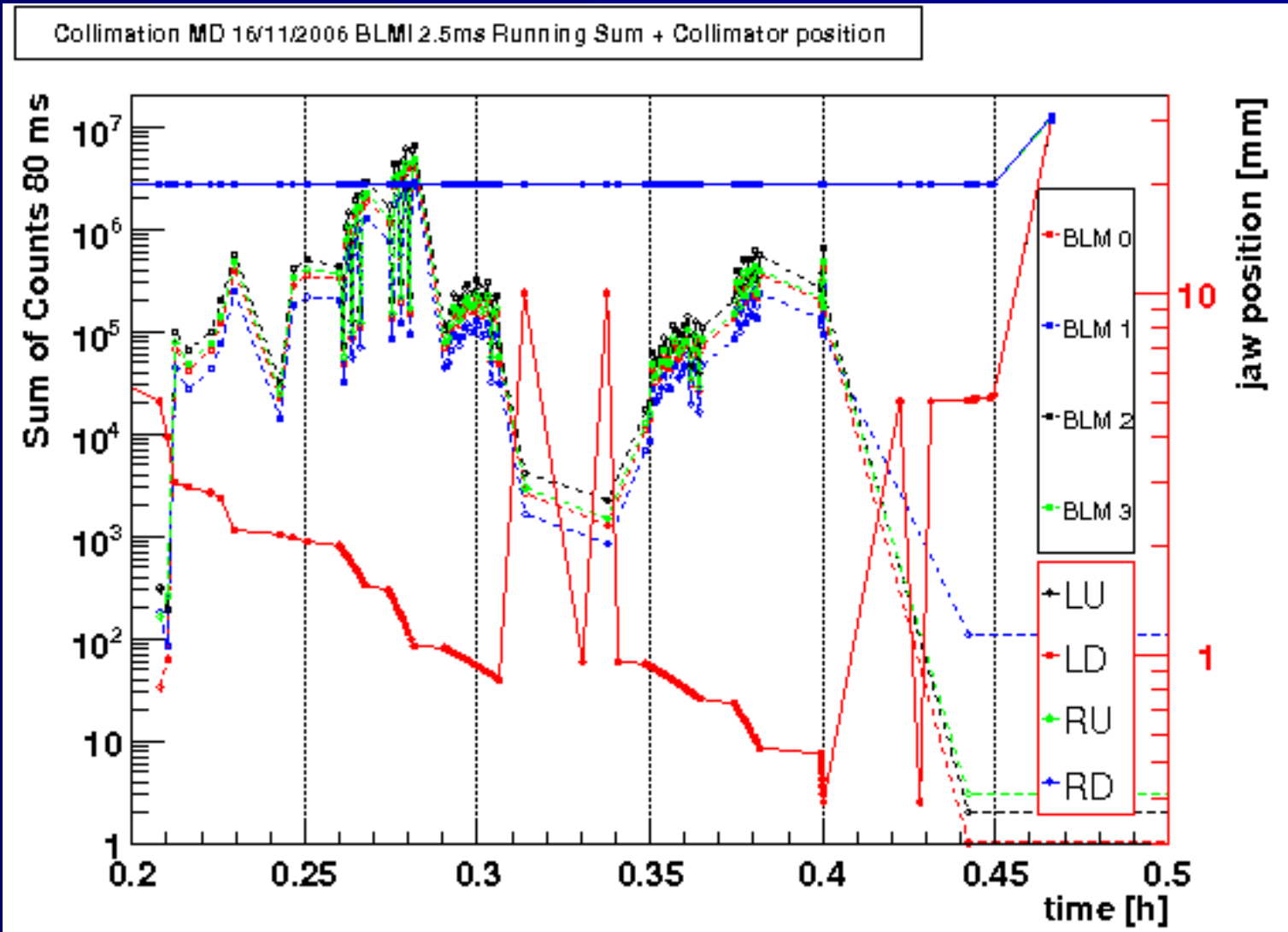
# Post Mortem data – 40us running sum



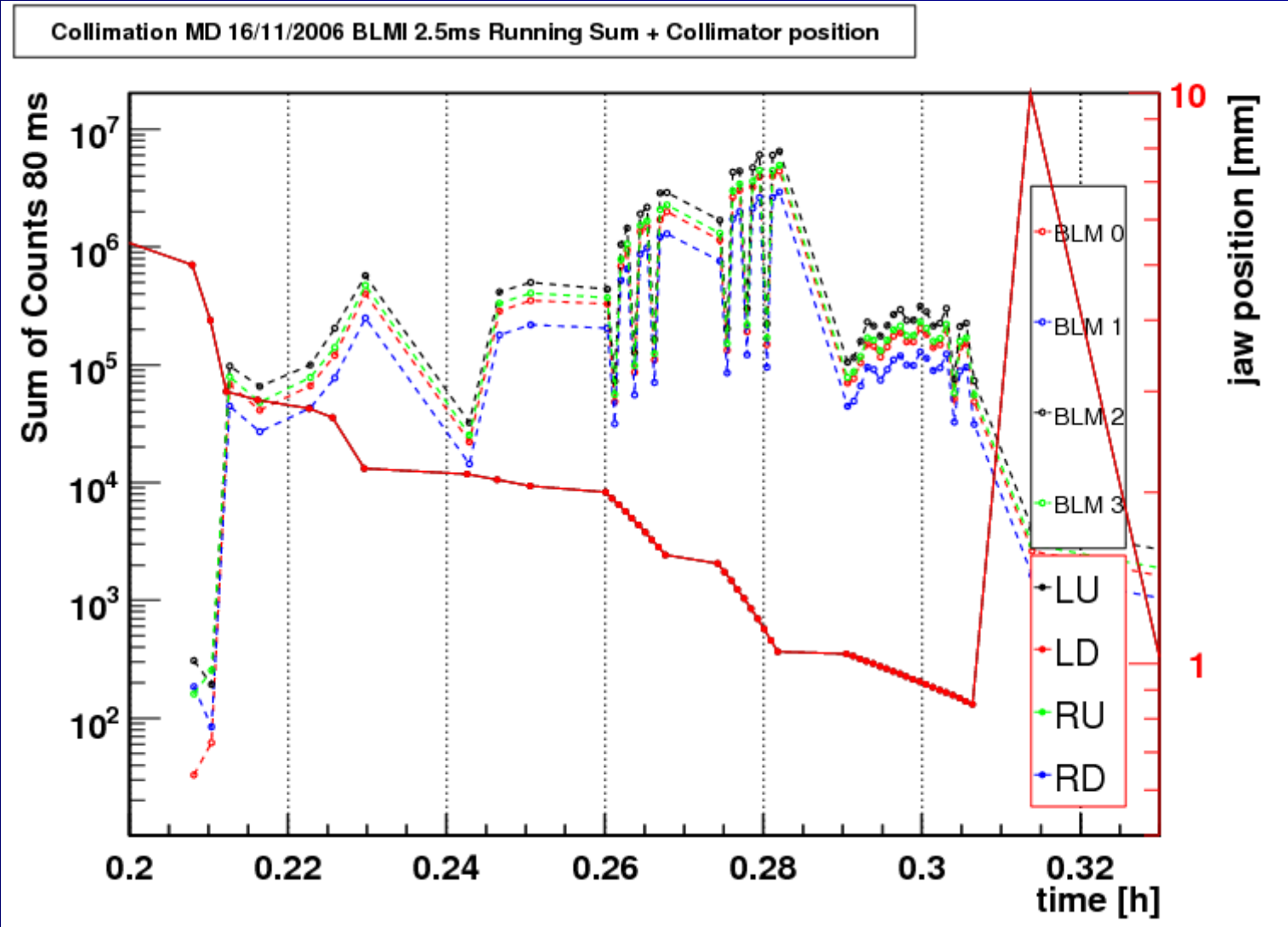
# Collimation "Post Mortem" 2.5ms repeating sum



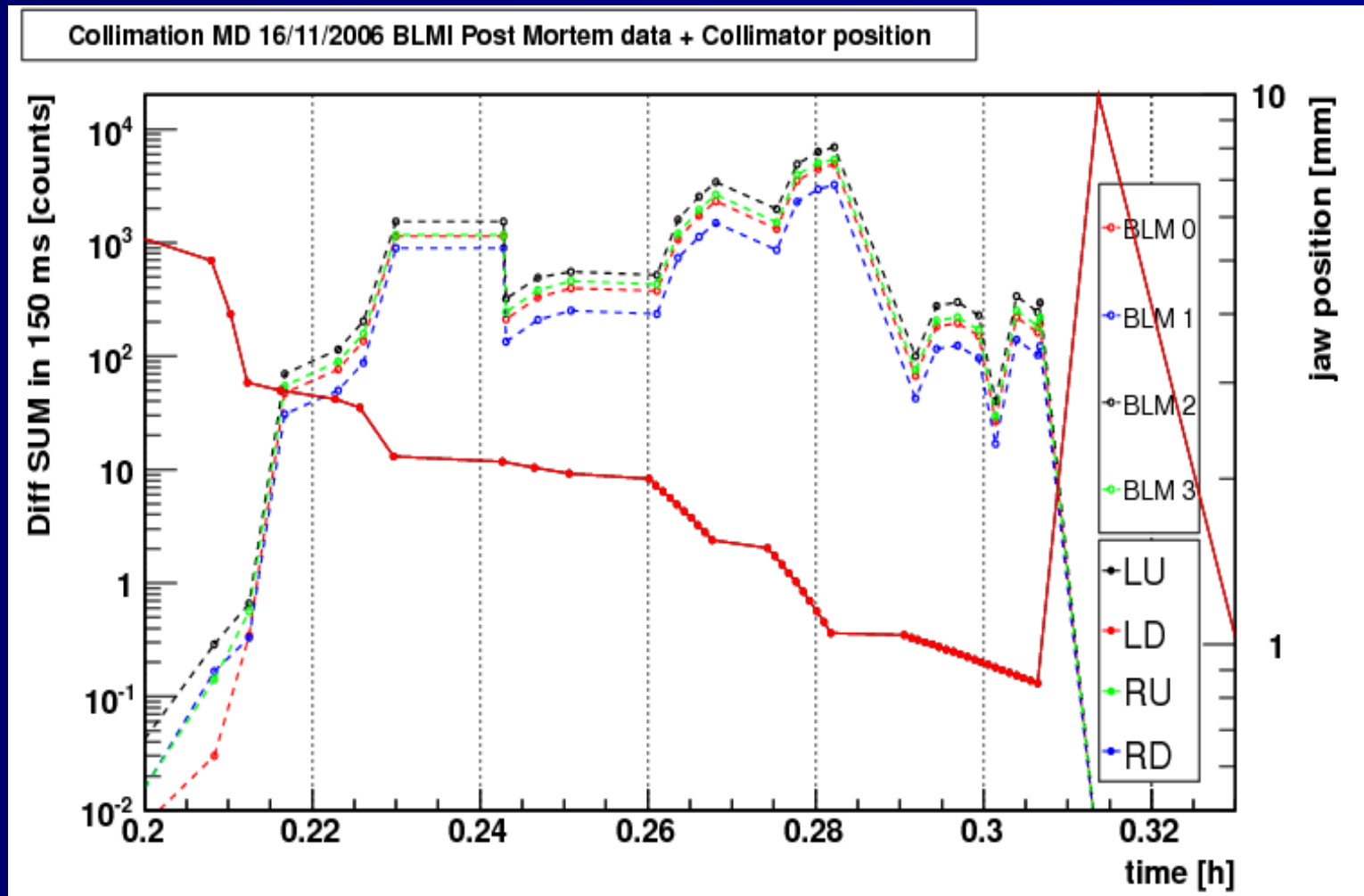
# 2.5ms data Integrated over 80ms with Position of Jaws



# Zoom to see "oscillations" in data



# The same for PM data (SUM)

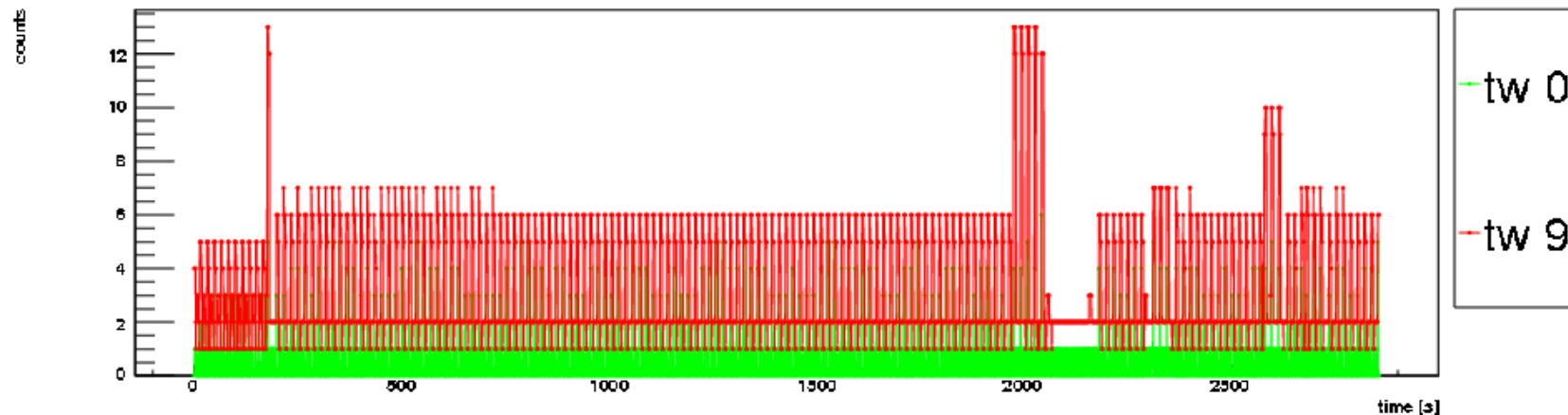




# Short Conclusions

- 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

