

GLAST CERN 2006 Beamtest



New MC LAC Thresholds

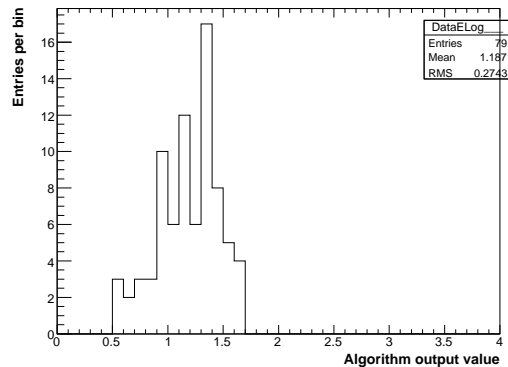
Johan Bregeon

Beamtest Analysis - May 7th, 2008

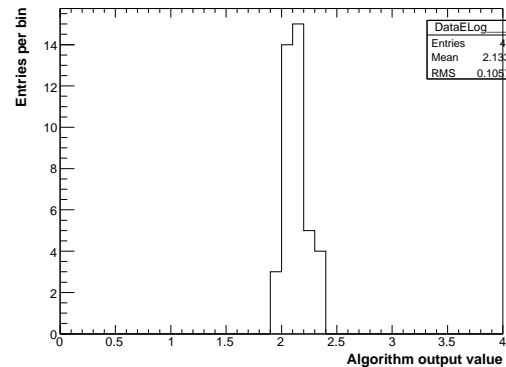


New LACs Thresholds in MC

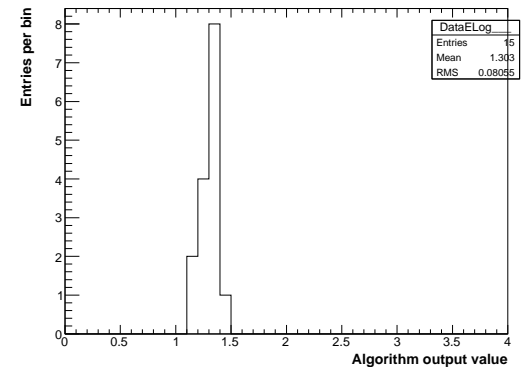
- Zach produced a new calibration file with 1.2MeV LAC thresholds
 - New MC for testing :
BT-2003-v8r130101p1-NoLPMLAC
- No LPM effect and 1.2MeV LACs



DATA

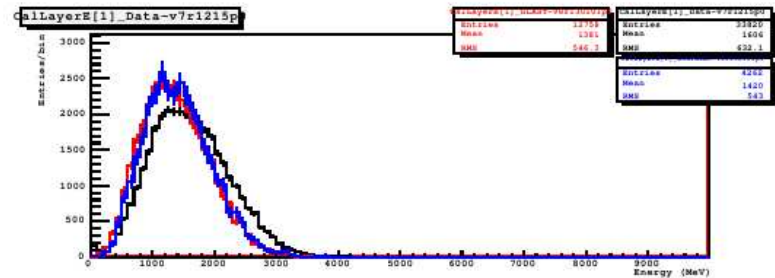
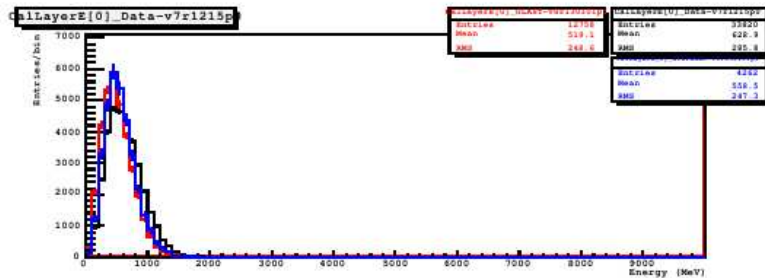
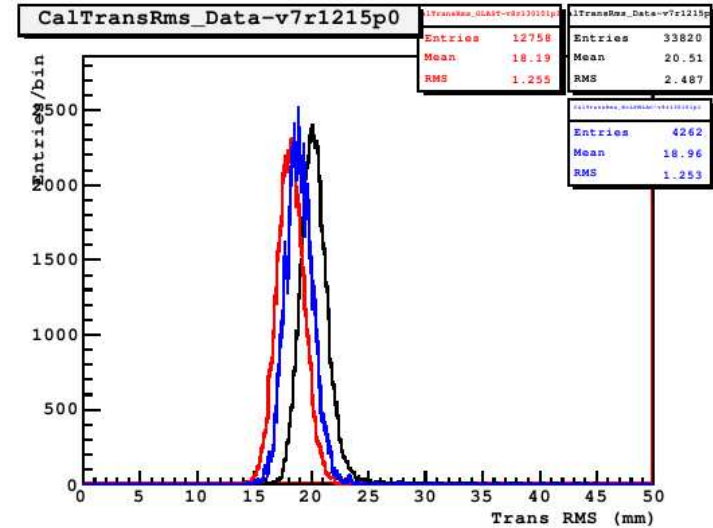
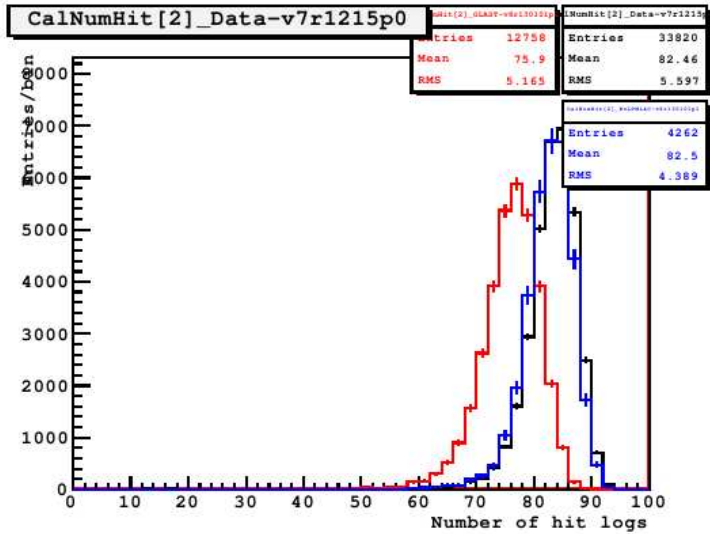


MC

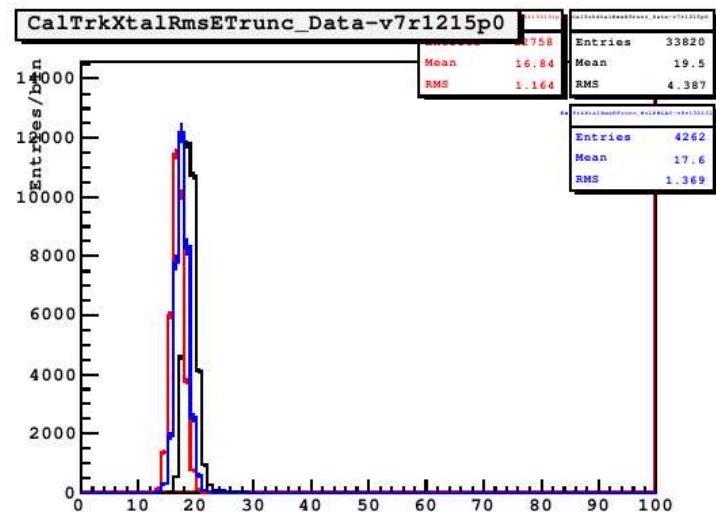
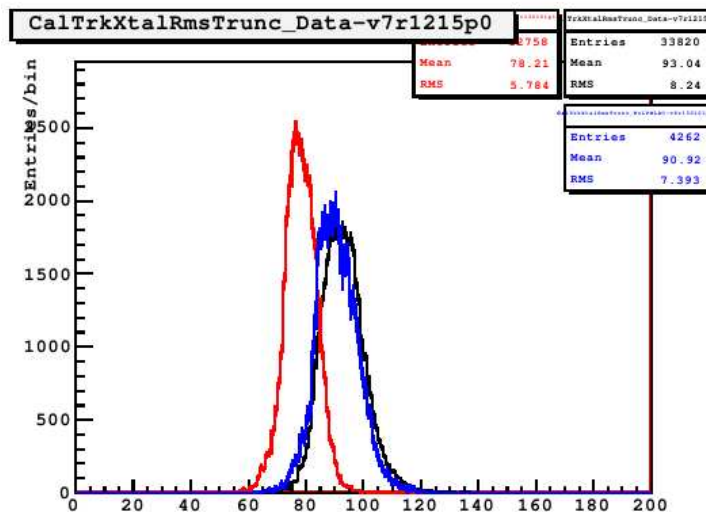
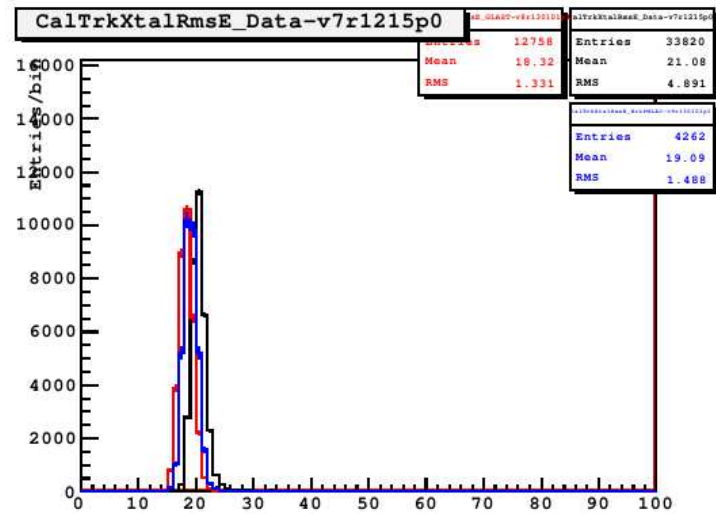
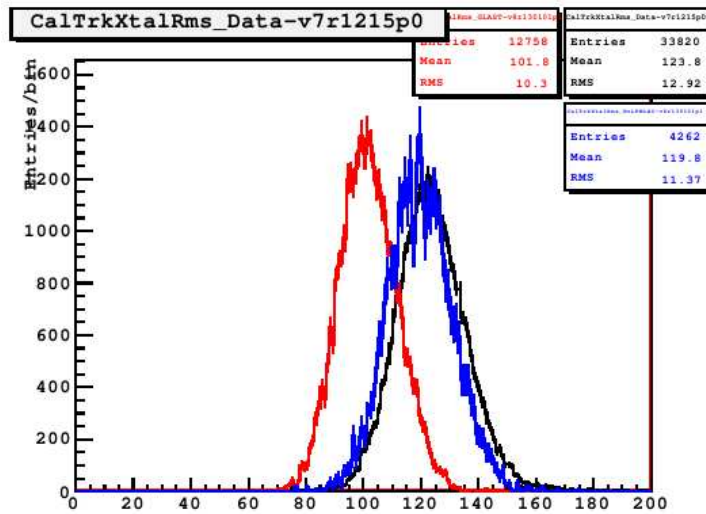


MC 1.2MeV

Quick look to other variables (1)



Quick look to other variables (2)



Conclusions

- MC LAC Tests are ok
- New 1.2MeV LAC thresholds have already been promoted to PROD/vanilla
- New MC with LPM off and 1.2MeV LAC looks really good
- Improvement on low level quantities : CalNumHit, ELayer0
- Improvement on high level quantities : CalTransRms, CalTkrXtalRms*