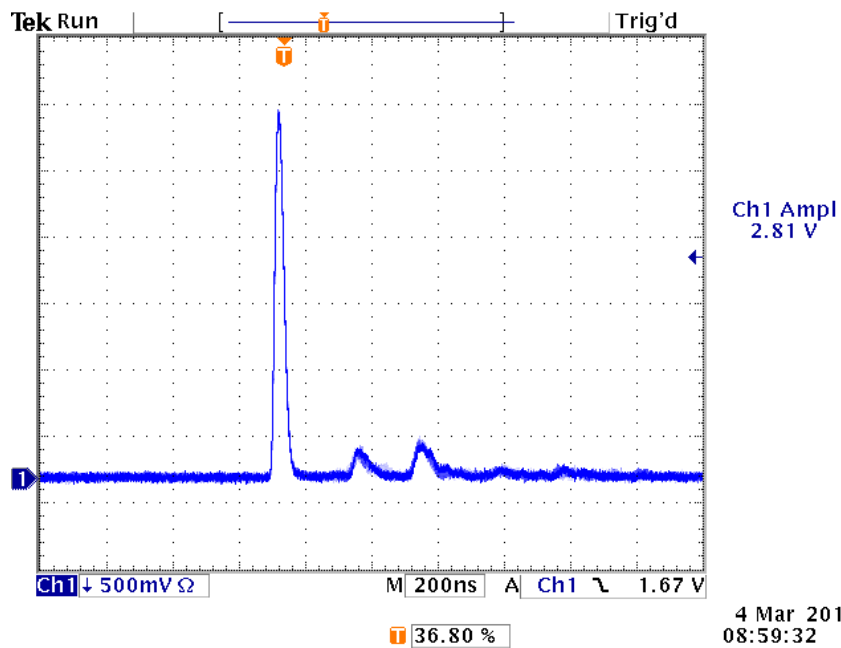


FEU 84-3 PMT

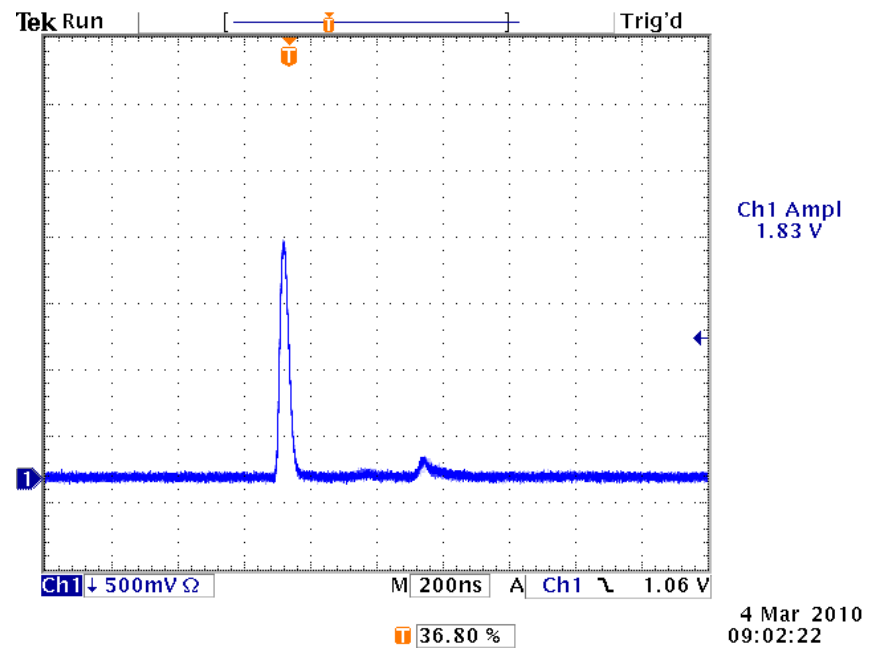
- Average pulse height for new PMTs - (3.9 ± 0.6) V
- Random sampling of old PMTs
 - Average (2.6 ± 0.6) V
- Stability comparable to old PMTs
 - Some after-peaking
 - Most negligible
- Comparable leading edge pulse shape
- Mechanical dimensions for new PMTs
 - Outer diameter - 1.327"
 - Overall length - 3.986"
- Old dimensions
 - Outer diameter - 1.334"
 - Overall length - 3.938"

PMT Comparison

New PMT - worst stability



Old PMT - worst stability



1 of 10 new tubes looked like this
3 of 10 looked like the trace on the right
6 of 10 had no notable afterpulse

3 of 10 randomly sampled old tubes looked like this
7 of 10 had no notable afterpulse