

Bo Update + weekly plan 12/17/12

Ben Jones

Bo ORC Docs

- DocDB 2310-v1
- Should be finished by end of today
- Only remaining issues are making sure changes required in readout EDR are satisfied
- I had a discussion with Georgia on Friday and we went through all recommendations checking what has been done
- Remaining issues : Fuse labels, restraining of internal wires, some power supply issues which we think Linda has covered already

100 to 50 Ohm transition

- Splitters transitioned to 50 everywhere (Teppey)
- Long RG58 cables with SHV acquired (Teppey)
- Awaiting Nevis recommendation on shaper board.
- Decided last week that we use 2 new channels (+modify code accordingly) instead of replacing old ones. Who and how?

Alpha source

- Installed at 15" after agreement from Matt, Christie, Teppei, Ben. See accompanying document.

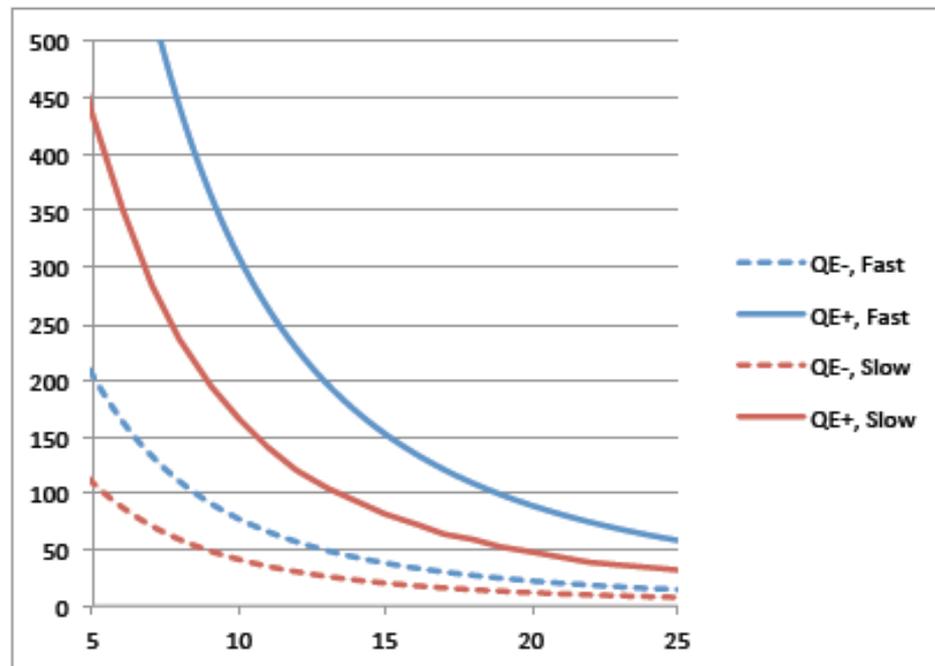


Figure 3: Number of fast and slow photons expected per alpha for best and worst case QE values

Nitrogen Injection

- We still need:
 - Nitrogen monitor plumbing
 - N2 gas bottle attached
- I will push for these this week so we are ready by xmas

Status

- Closed on Thursday for pumping down
- Should be full by today lunchtime
- This weeks action items:
 - Get shapers modified to 50 Ohm
 - Characterize 50 Ohm splitter
 - Alpha source measurements:
 - Rate
 - Characteristic #PE, and so global assembly QE
 - Pulse shape test, alpha vs MIP
 - Readout data into LArSoft