

Week 2

Salim Roustom





Tested All of the “Broken” PMTs

As a surprising result, all of the PMTs that were considered dead were actually working. However, some of them were in worse shape than others.



Testing All of the “Broken” PMTs - Again

This time it was for Helium Afterpulses. Sadly, all of the “Dead” PMTs had afterpulses, all around 700 ns after the initial pulse.

On the wiki, there is a table which delineates the peak voltages for each PMT exposed to the same setup with the same voltage (800V). From this, one can discern which PMTs are the most affected by the Helium.



PICTURES!

http://www.vsl.cua.edu/cua_phy/index.php/MainPage:Nuclear:Summer2017:Salim