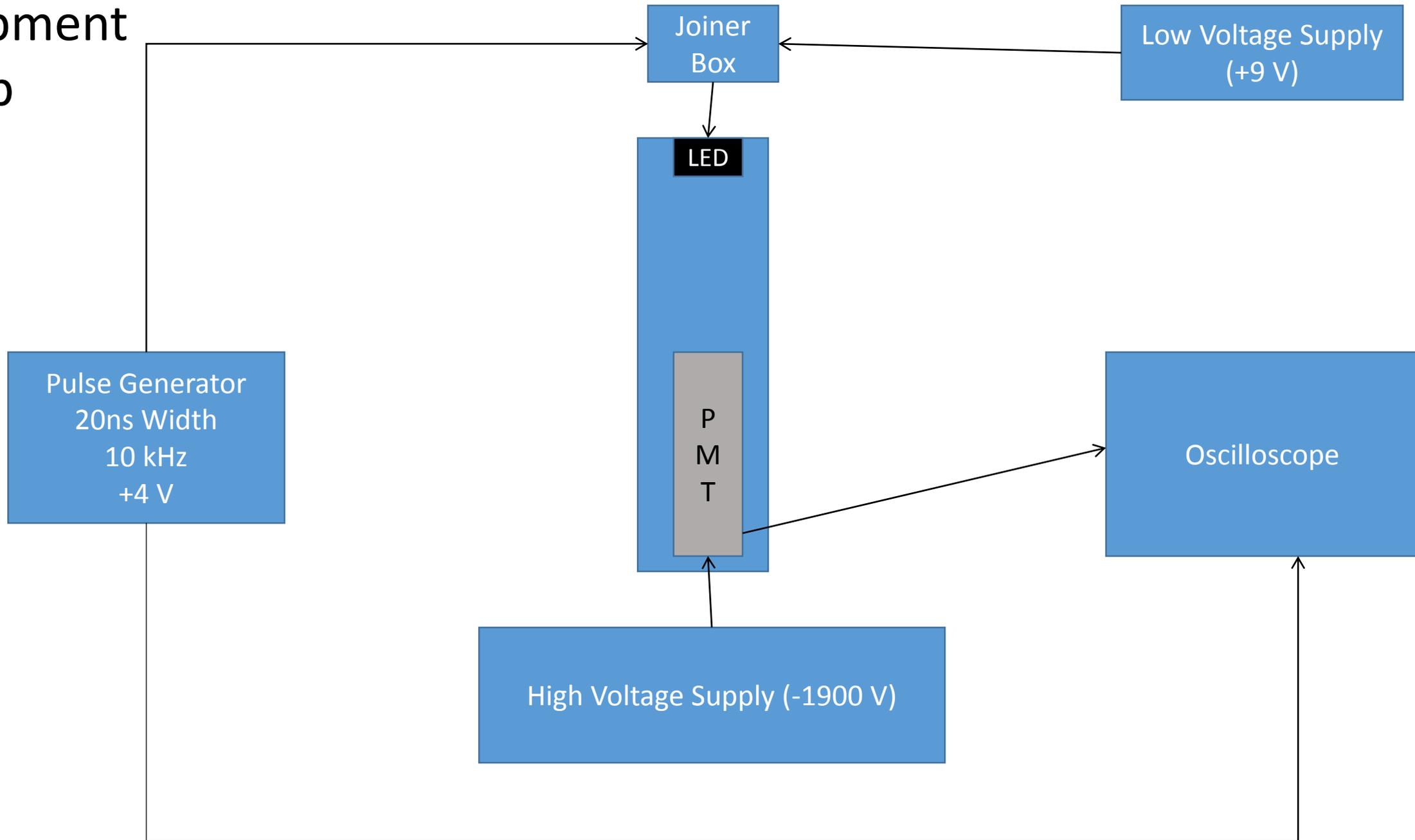


# HV Testing of the warm cables for the PMTs

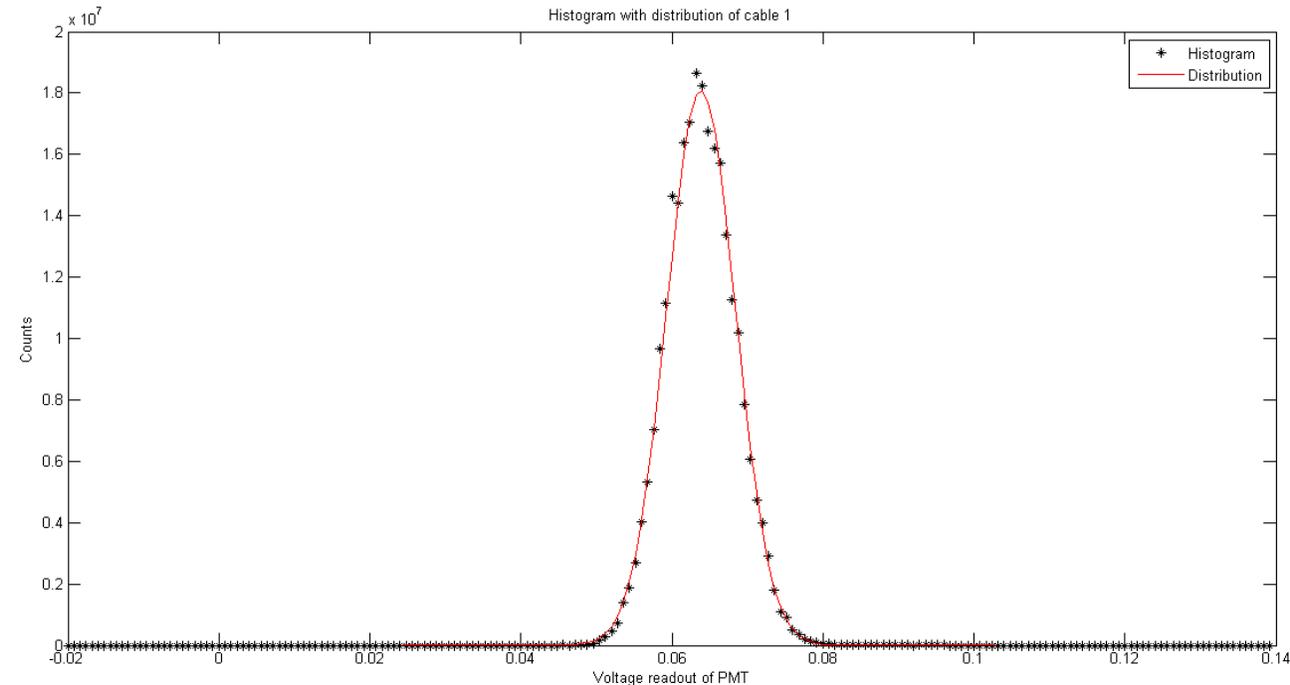
Alistair McLean  
Eric Henderson  
Matt Toups

# Equipment Setup



# Procedure and Analysis

- Test each of the cables at -1900V over the course of ~30 minutes.
- Histogram the data from the PMT -> Extract  $\mu$  and  $\sigma$ .
- Plot  $\mu$  and  $\sigma$  vs. cable # (individually of course)
- Plot  $(\mu/\sigma)^2$  vs cable # ( ~ # of P.E.'s)
- Plot  $\sigma^2/\mu$  vs cable # ( ~ to gain)



# Conclusion → All cables are work!

