

Moriah Tobin

Advisor: Mike Albrow

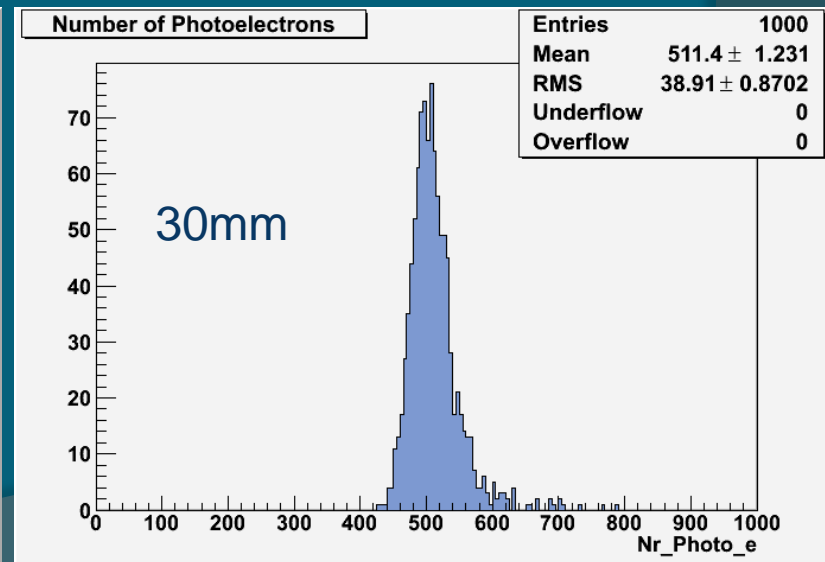
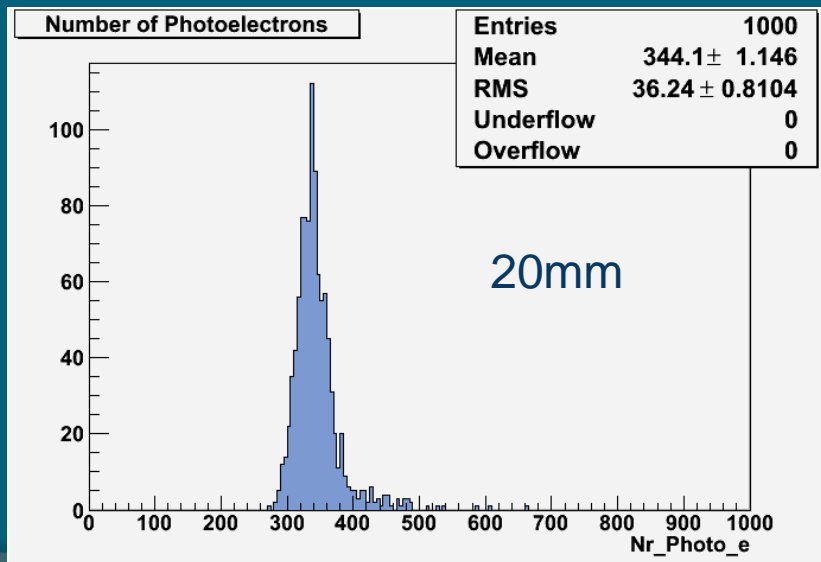
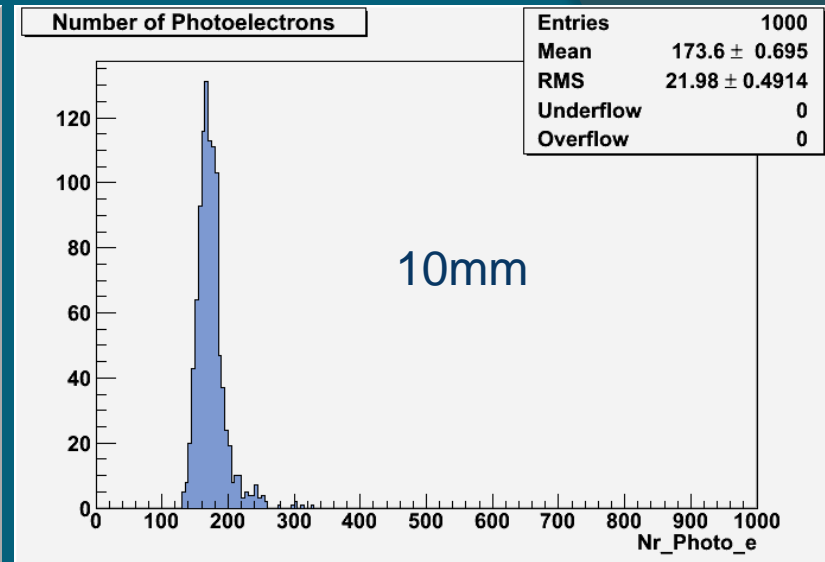
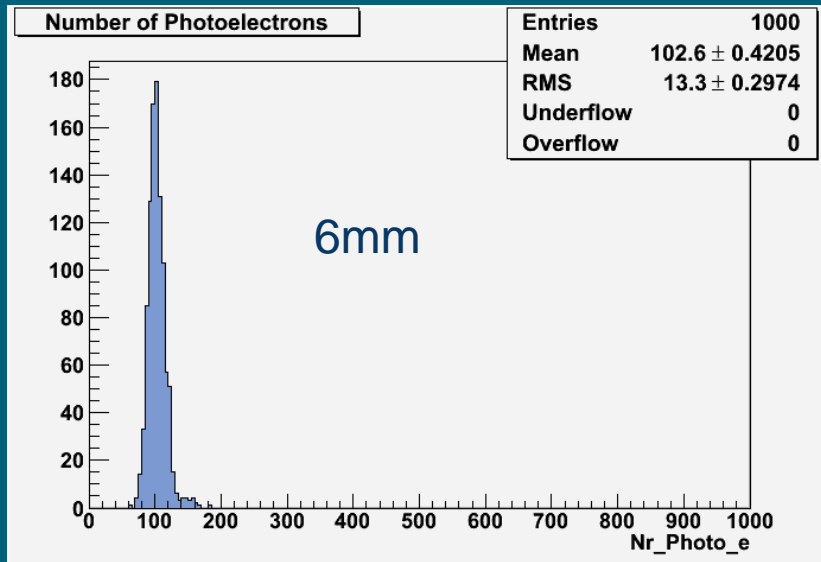
July 27, 2010

# Modeling Quartz Cherenkov Detector

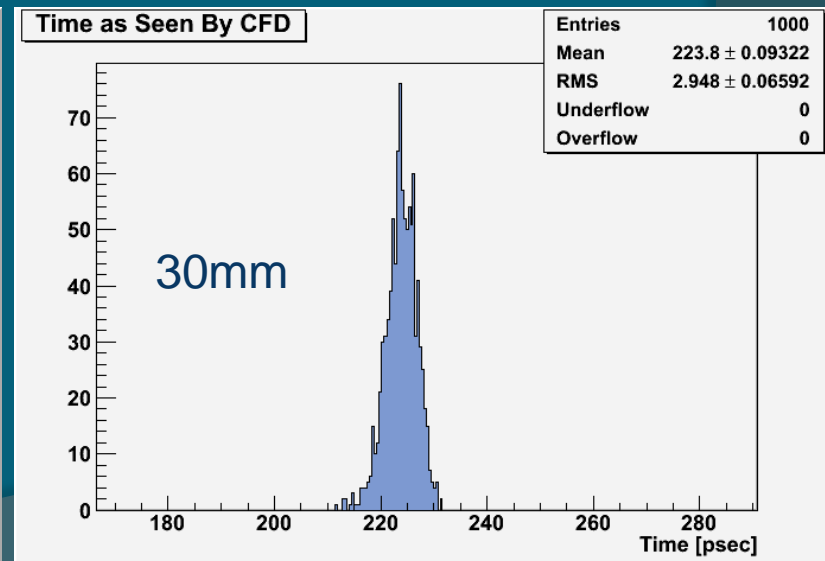
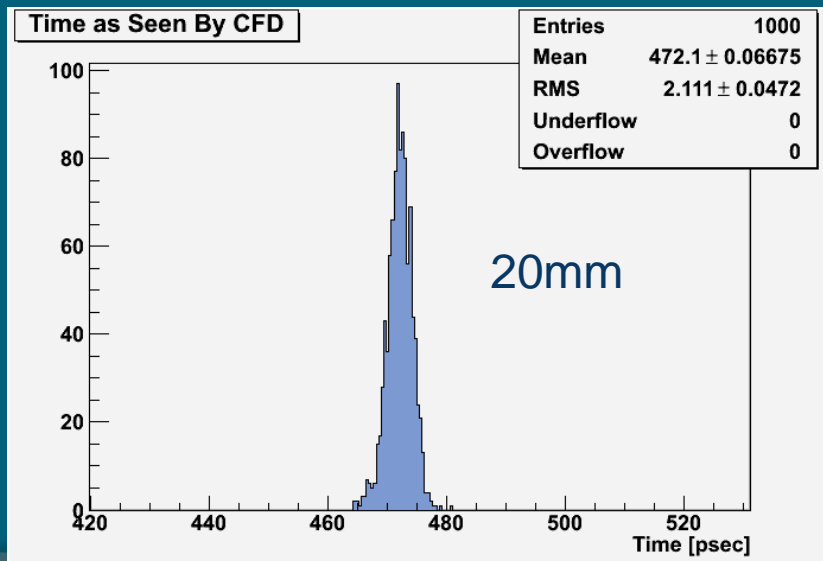
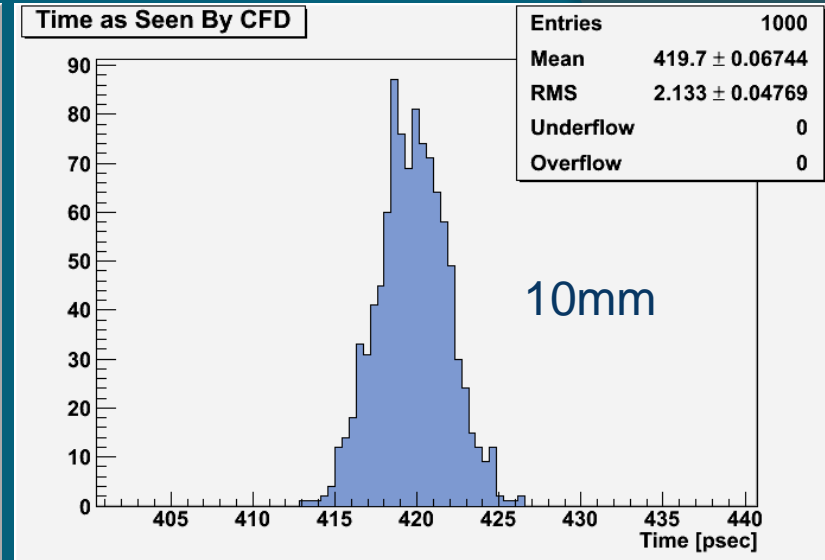
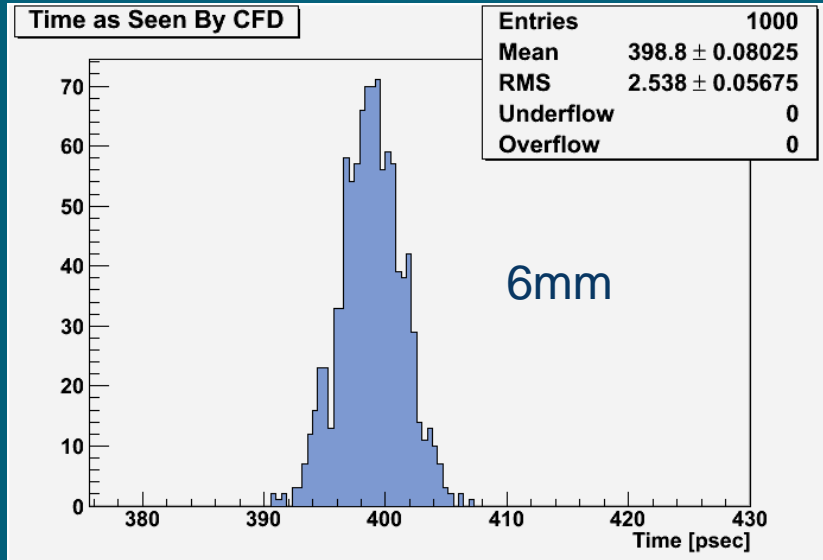
# Outline

- Number of Photoelectrons
- CFD Timing
- Next Step

# Number of Photoelectrons



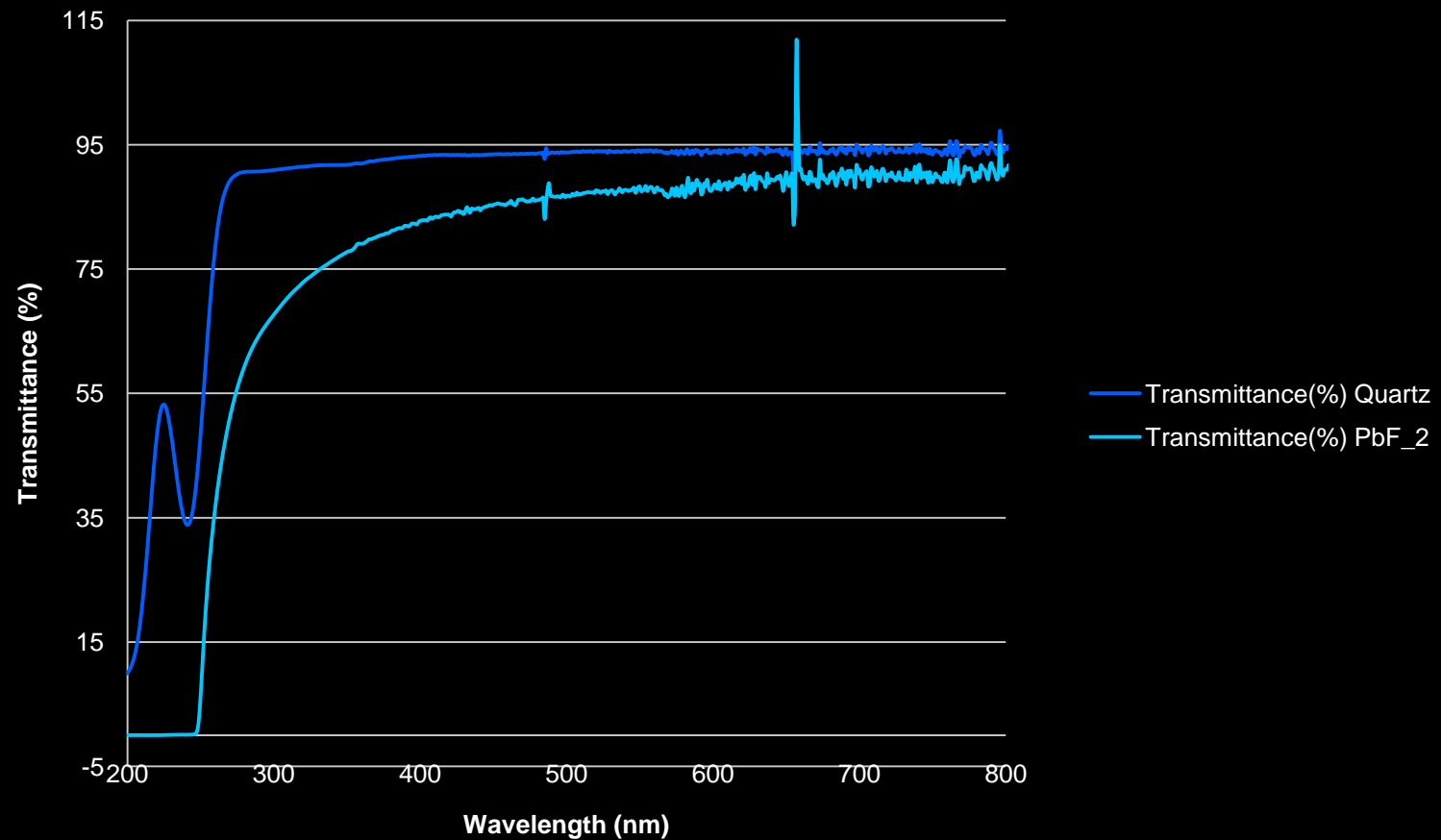
# CFD Timing (0.8)





# Quartz and PbF<sub>2</sub>

Transmittance vs. Wavelength for Quartz and PbF<sub>2</sub>



# Coming Soon

- ⦿ More Quartz PbF<sub>2</sub> Comparisons
- ⦿ Different Detectors
- ⦿ Q-Bar Setup

Mike Albrow  
Hans Wenzel  
Earle Wilson

Thank You



