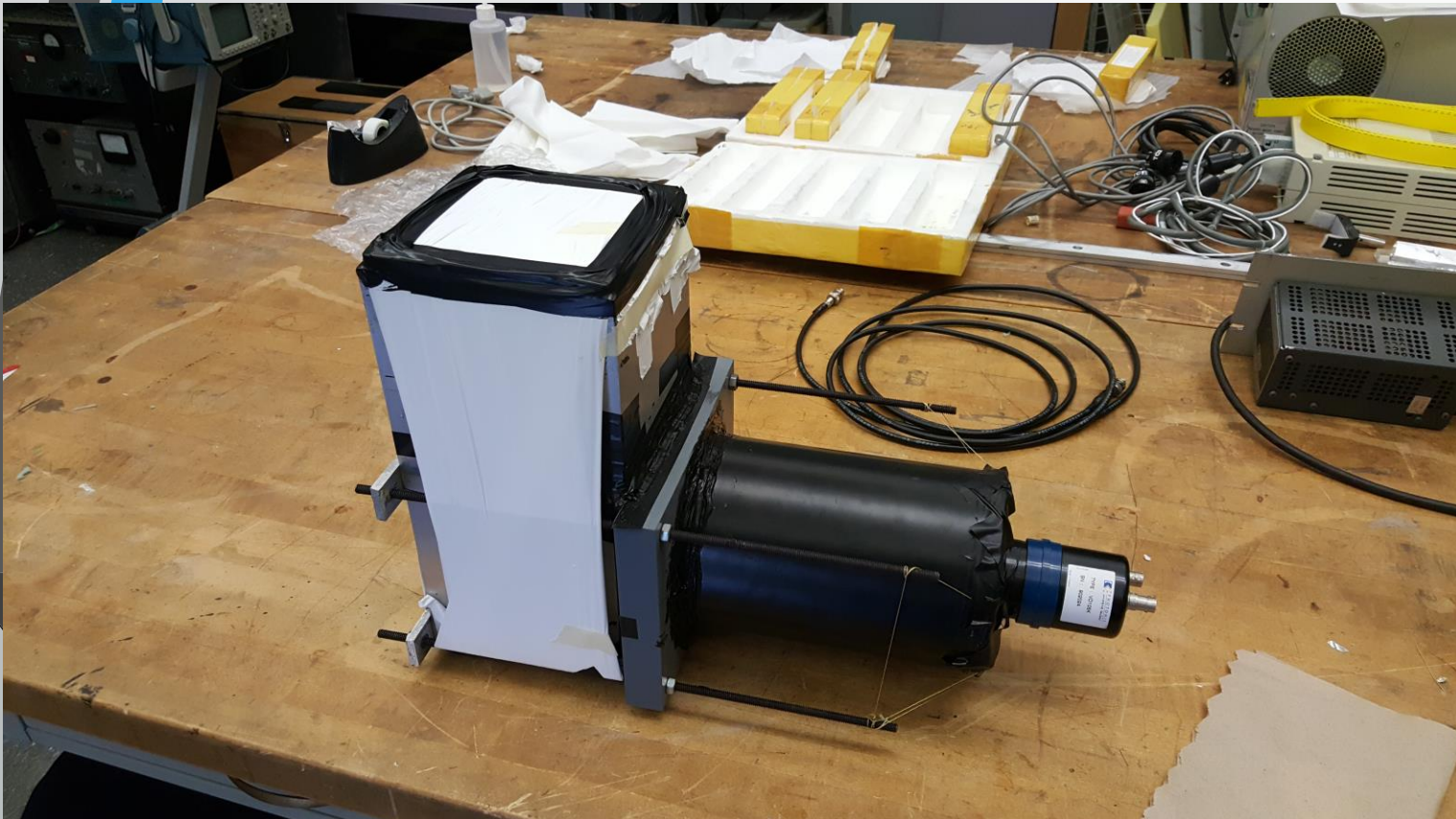


# Week Four Summary

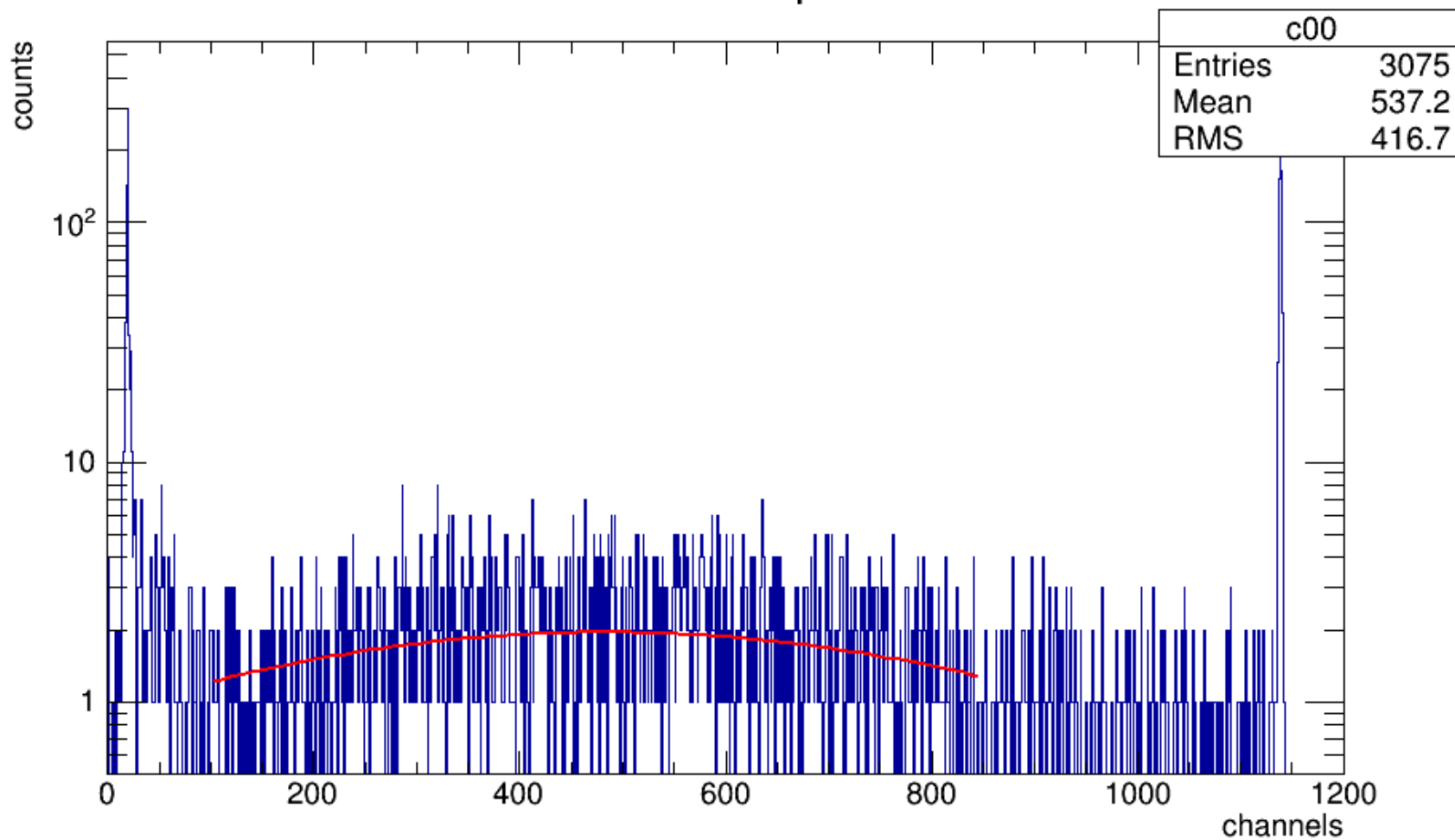
Salim Roustom

# Teflon Tape Run



# Teflon Tape Run

Teflon Tape

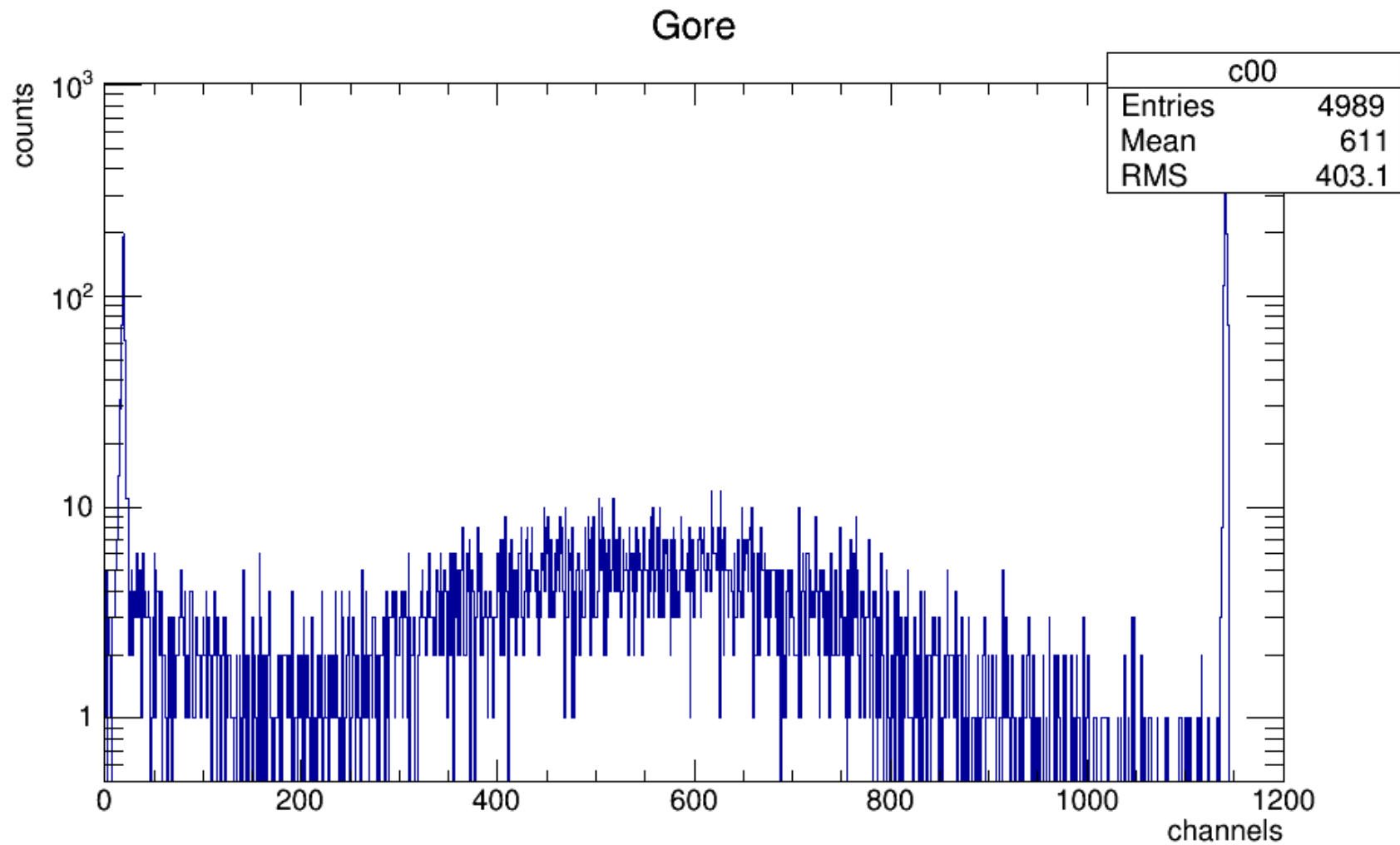




Number of Photoelectrons with Teflon Tape

$15.0 \pm 0.8$

# Gore Run

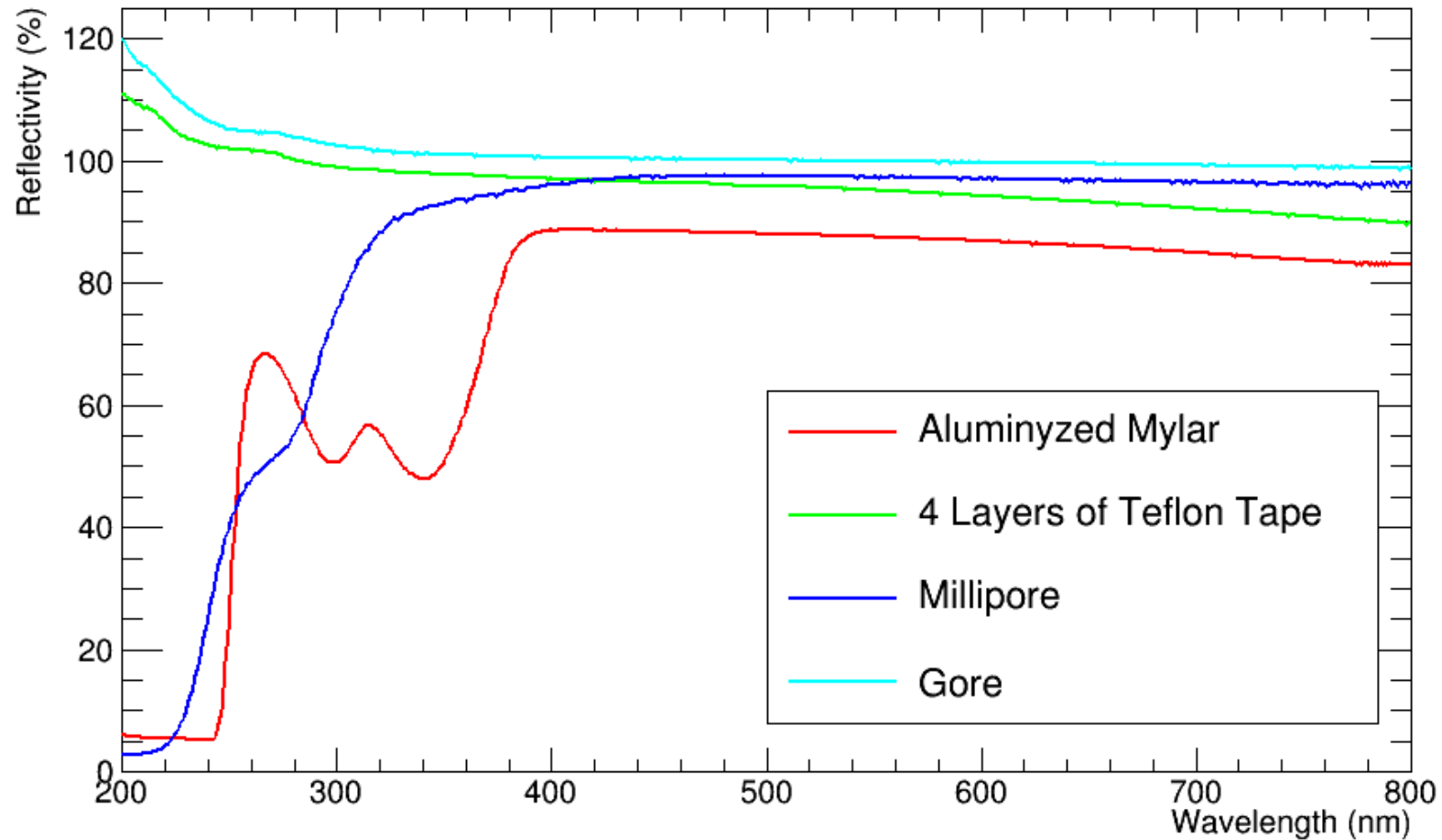




Number of Photoelectrons with Gore

$16.4 \pm 0.2$

# Reflectivity Comparison



# Photoelectron Comparison

- Aluminized Mylar -  $5.39 \pm 0.08$
- Millipore -  $14.0 \pm 0.1$
- Teflon Tape (4 layers) -  $15.0 \pm 0.8$
- Gore (1 mm) -  $16.4 \pm 0.2$



# Future Plans

- Test the Prototype with different number of Aerogel Tiles
- Test the Prototype with different indices of Aerogel
- Test the Prototype with wavelength shifter
- Run the big detector and observe scintillator placement effect