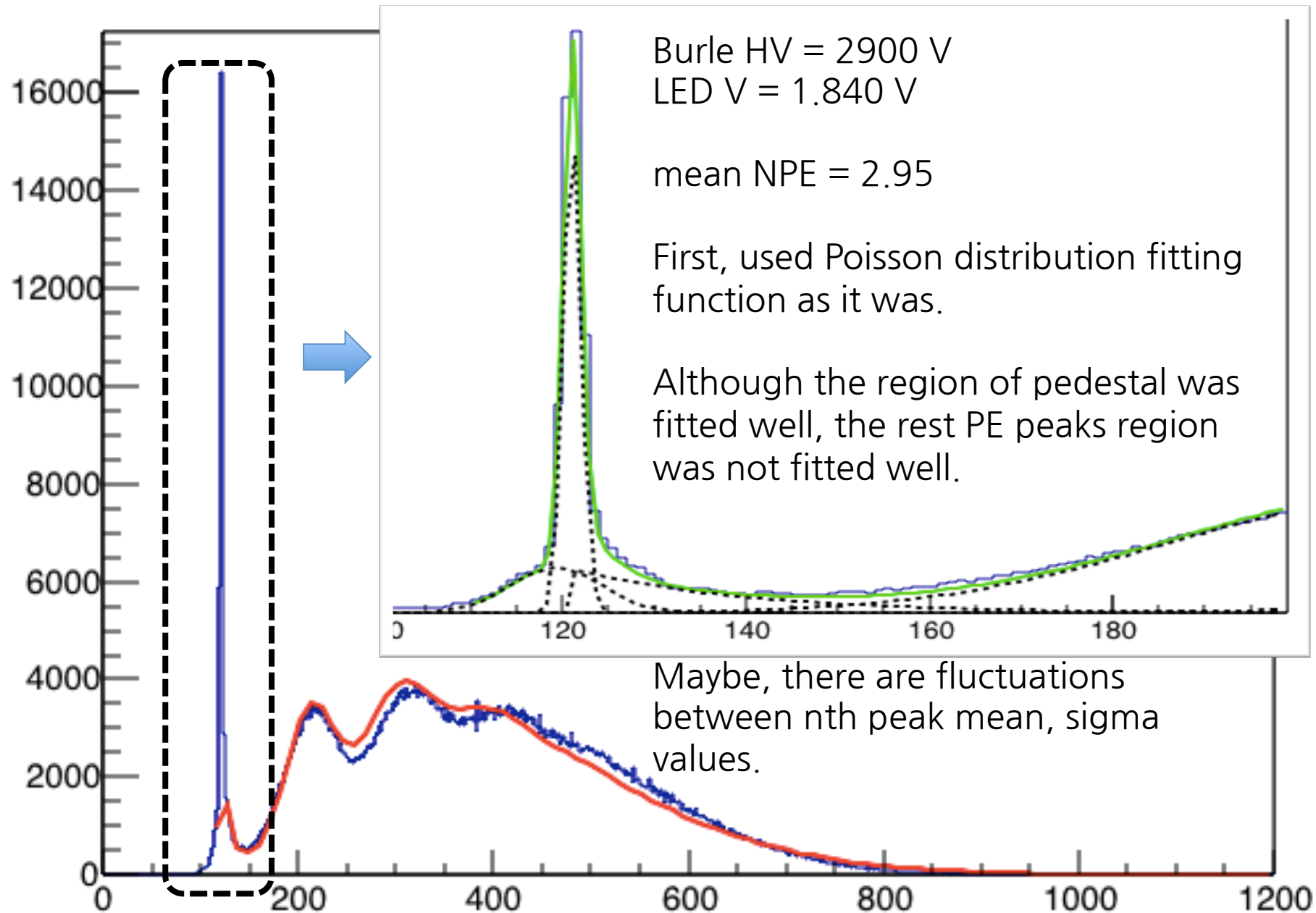


# The Status of FAC

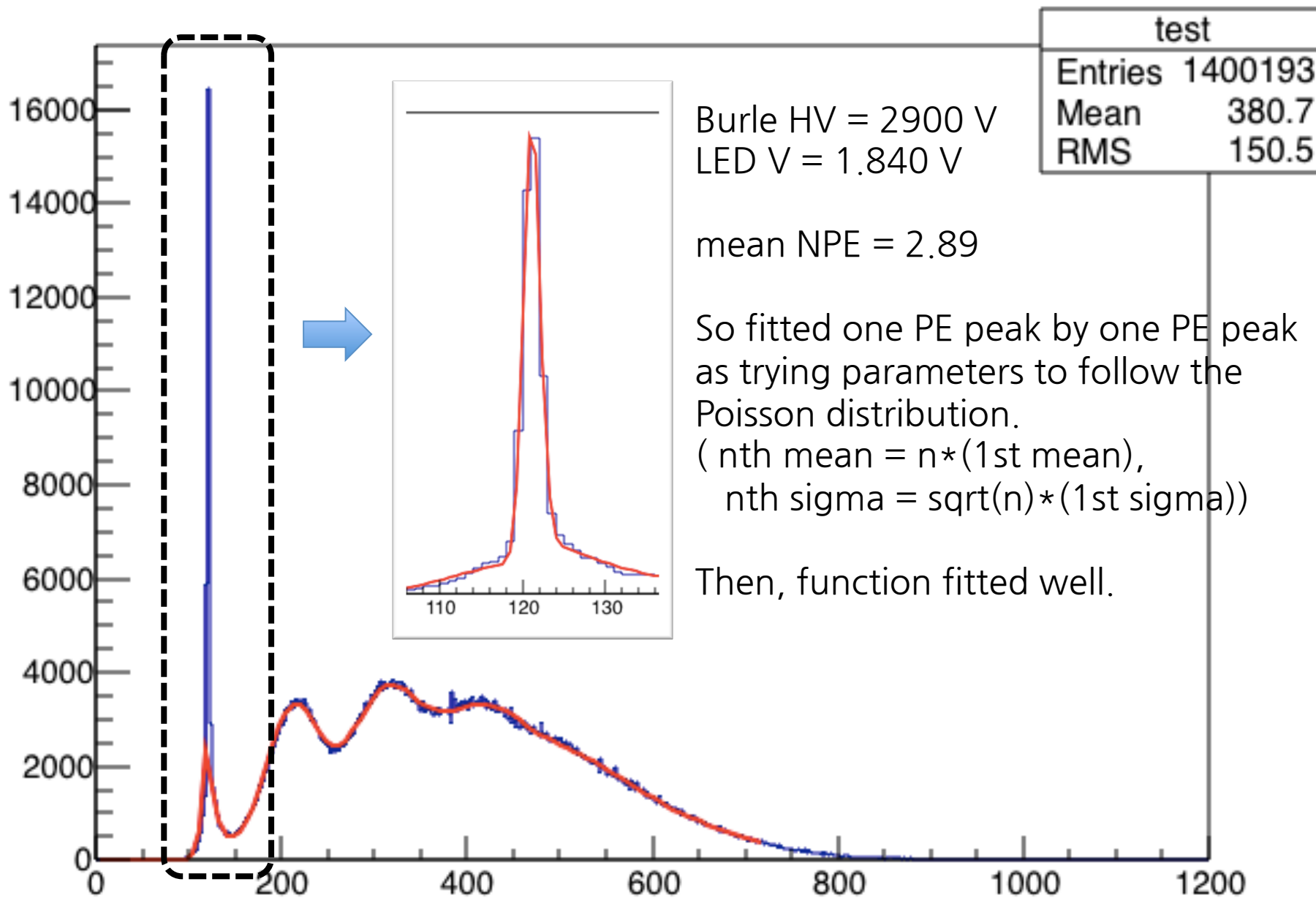
2015. 01. 12

김민호

# Burle PMT gain test

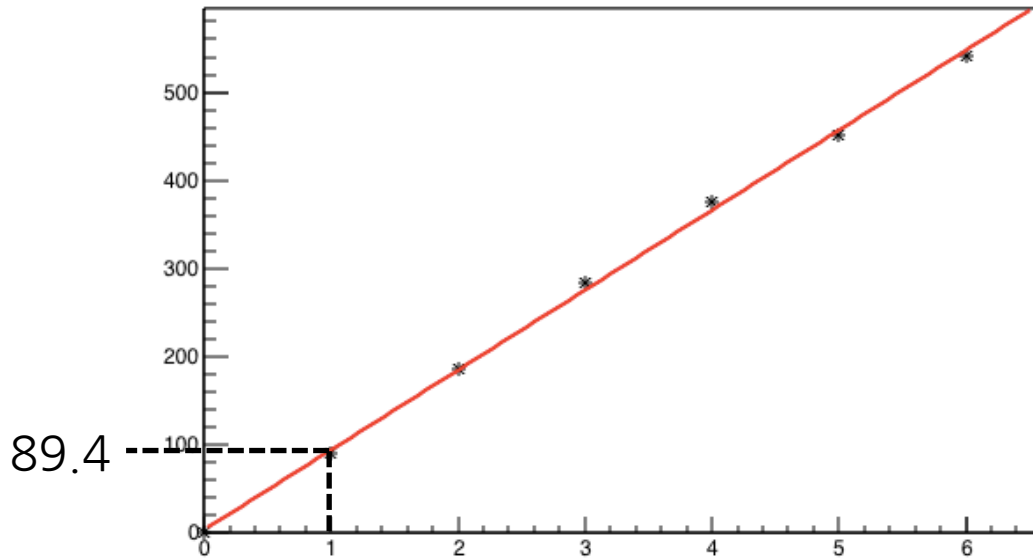


# Burle PMT gain test(mean, sigma not fixed)



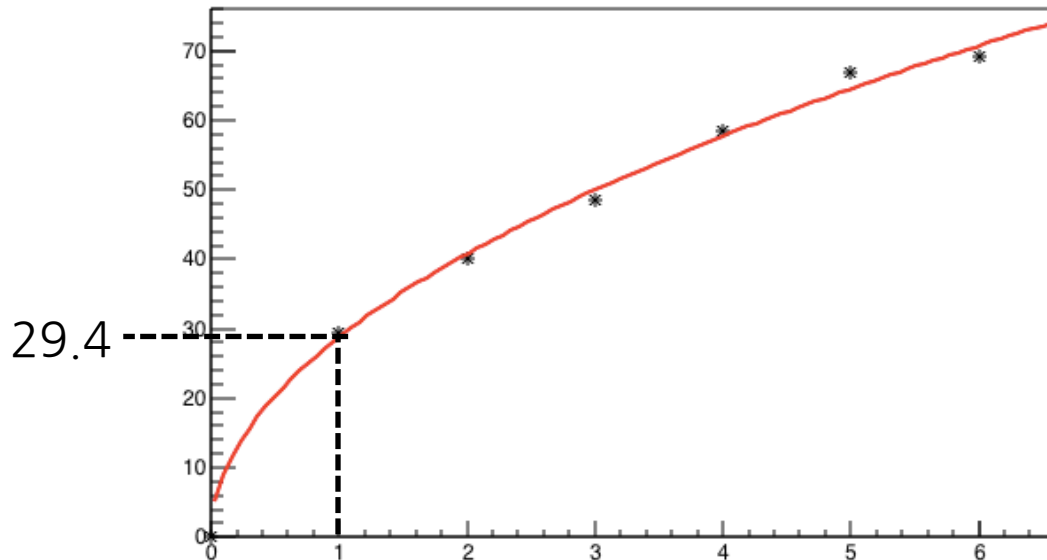
# Burle PMT gain test(mean, sigma not fixed)

Peak mean value fitting



$$y \approx (90.5)x + 3.6$$

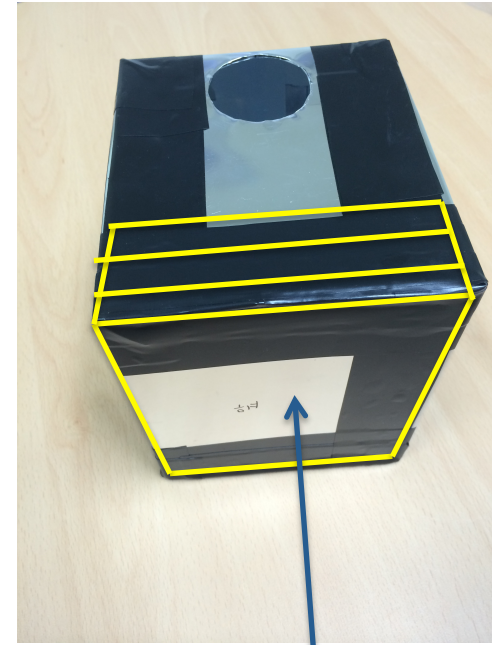
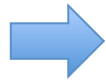
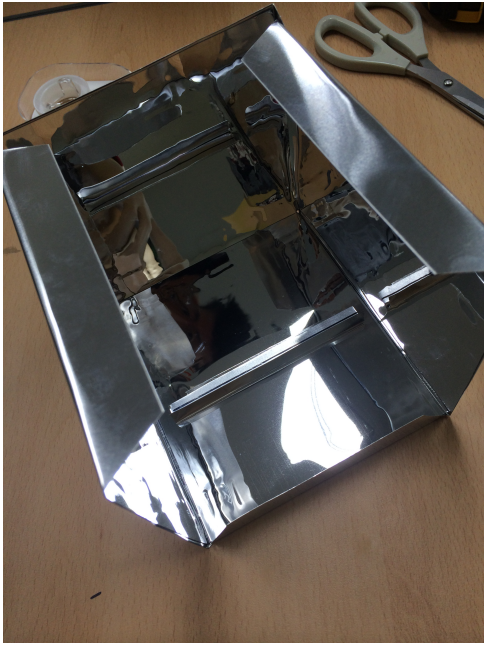
Peak sigma value fitting



$$y \approx (29.0)\sqrt{x} - 0.1$$

# Cosmic test of FAC basic model

PET film is used for reflector(specular reflection).

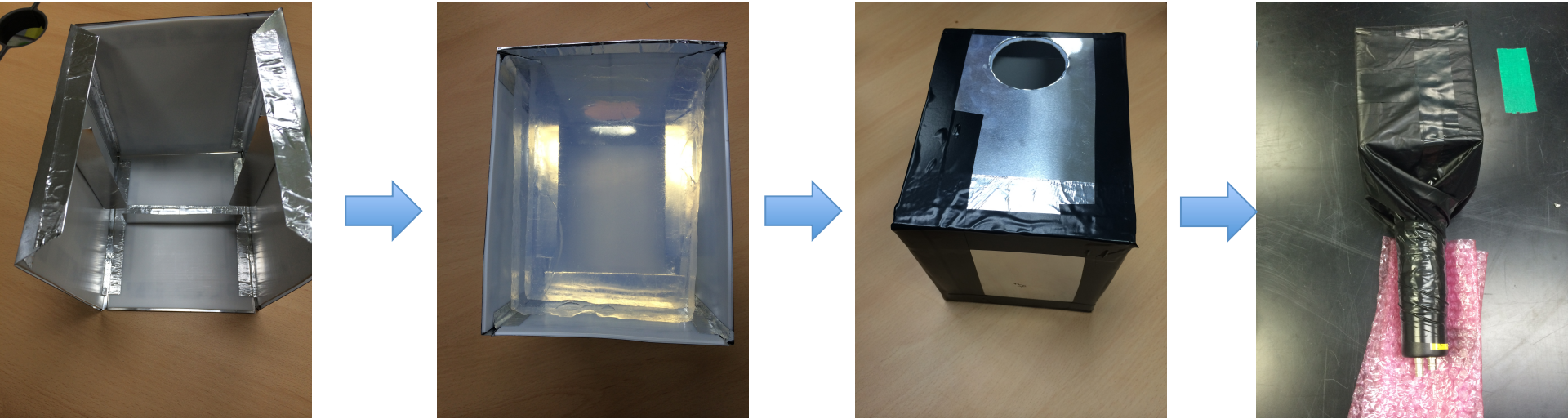


It will be tested after connecting the PMT.

Cosmic

# Cosmic test of FAC basic model

Teflon sheet is used for reflector(diffuse reflection).



It will be tested this afternoon.

And will test one more basic model including mirror. → Aerogel prototype test

→ will prepare mockup light box.

→ If it is prepared without delay, will test using E14 beam at J-PARC.