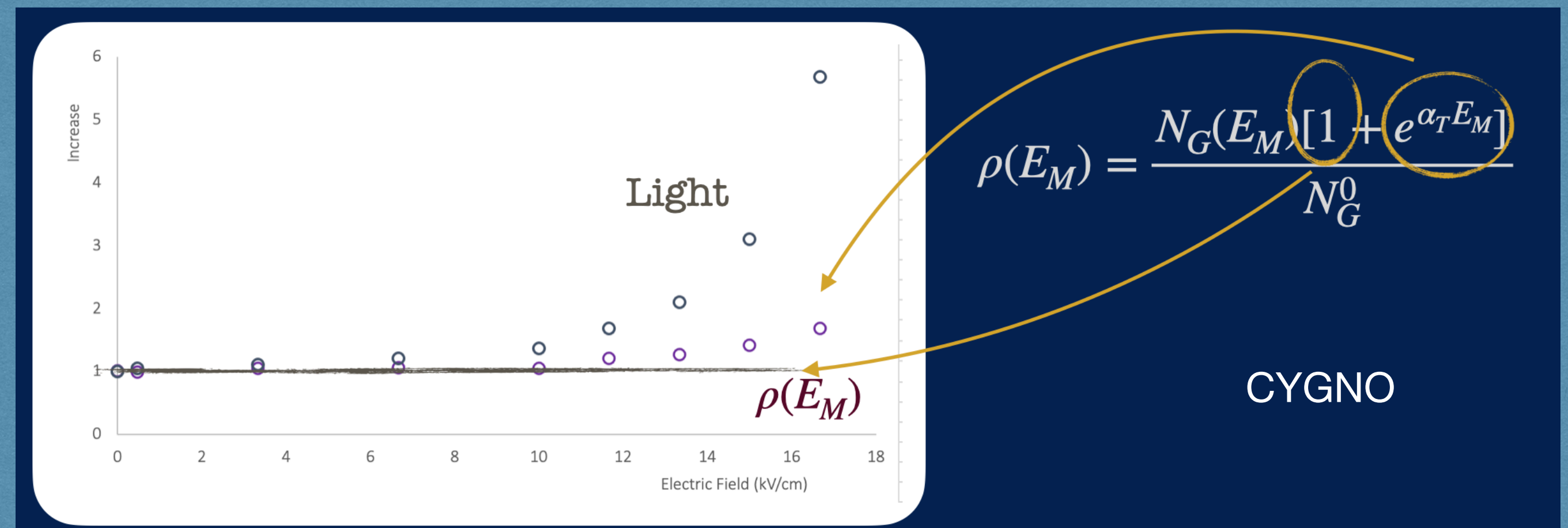
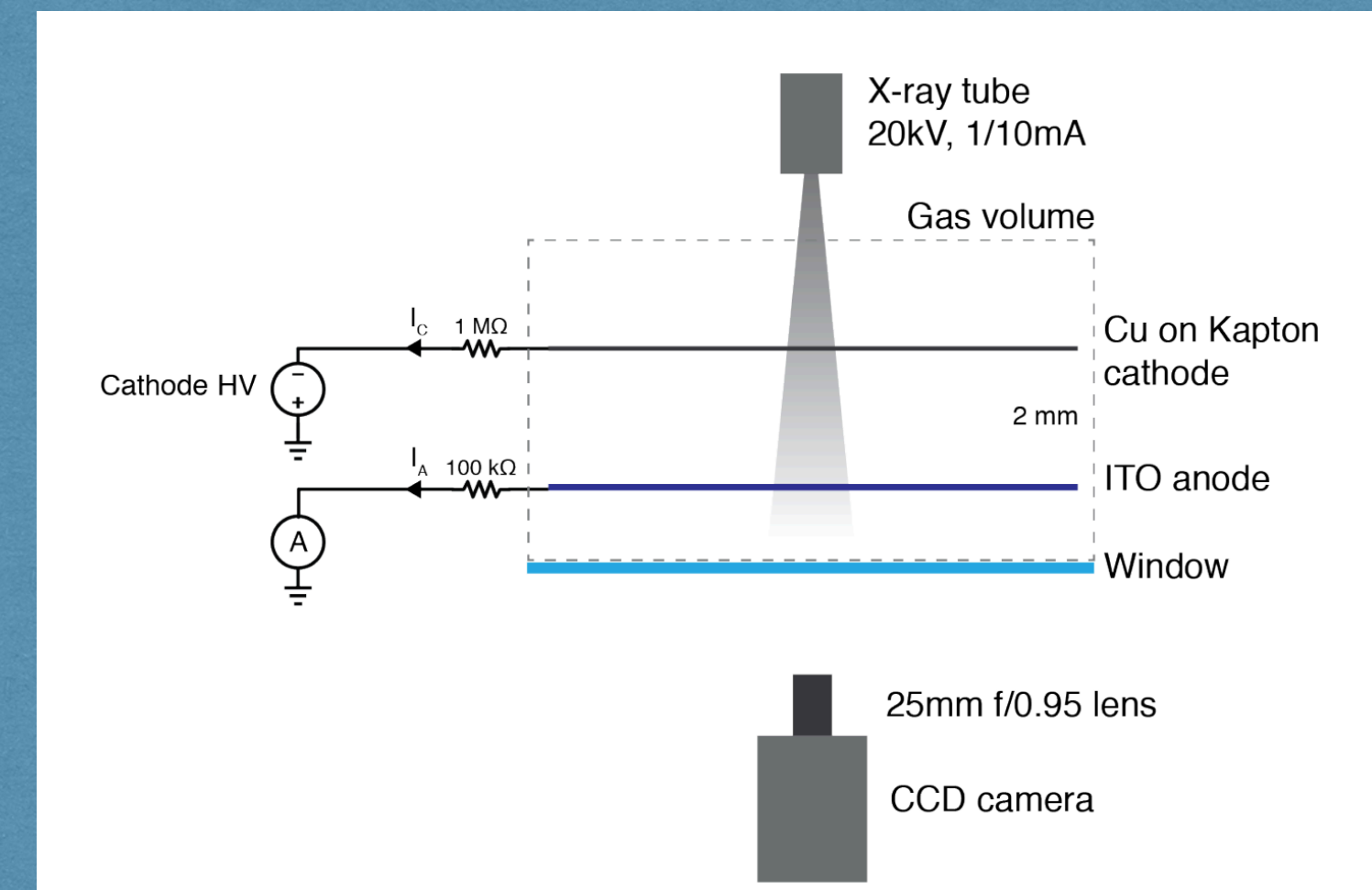
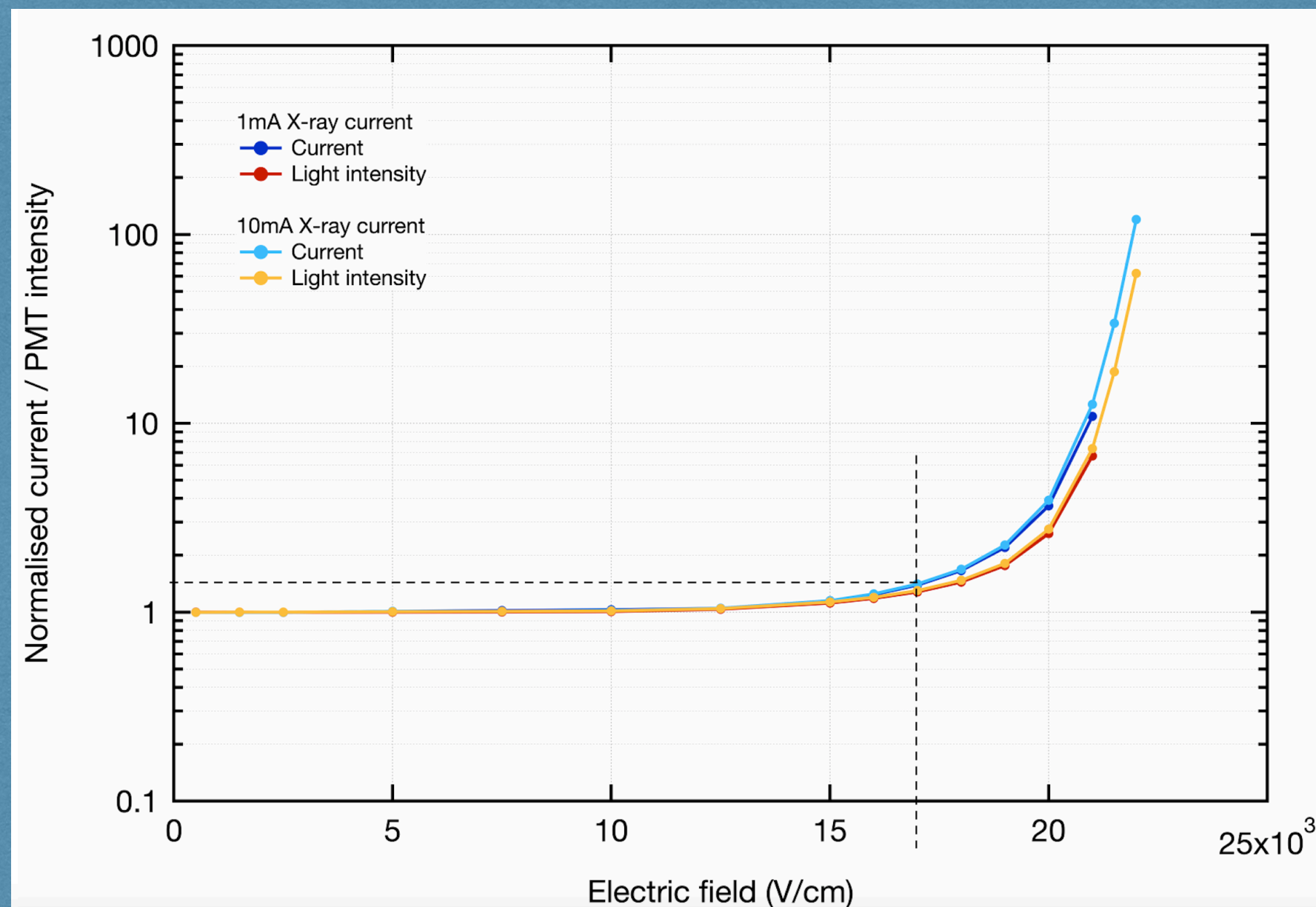


NEWS

CYGNO MEETING - 12/02/21

Luminescence

- RD51 is testing a parallel plate setup without GEM



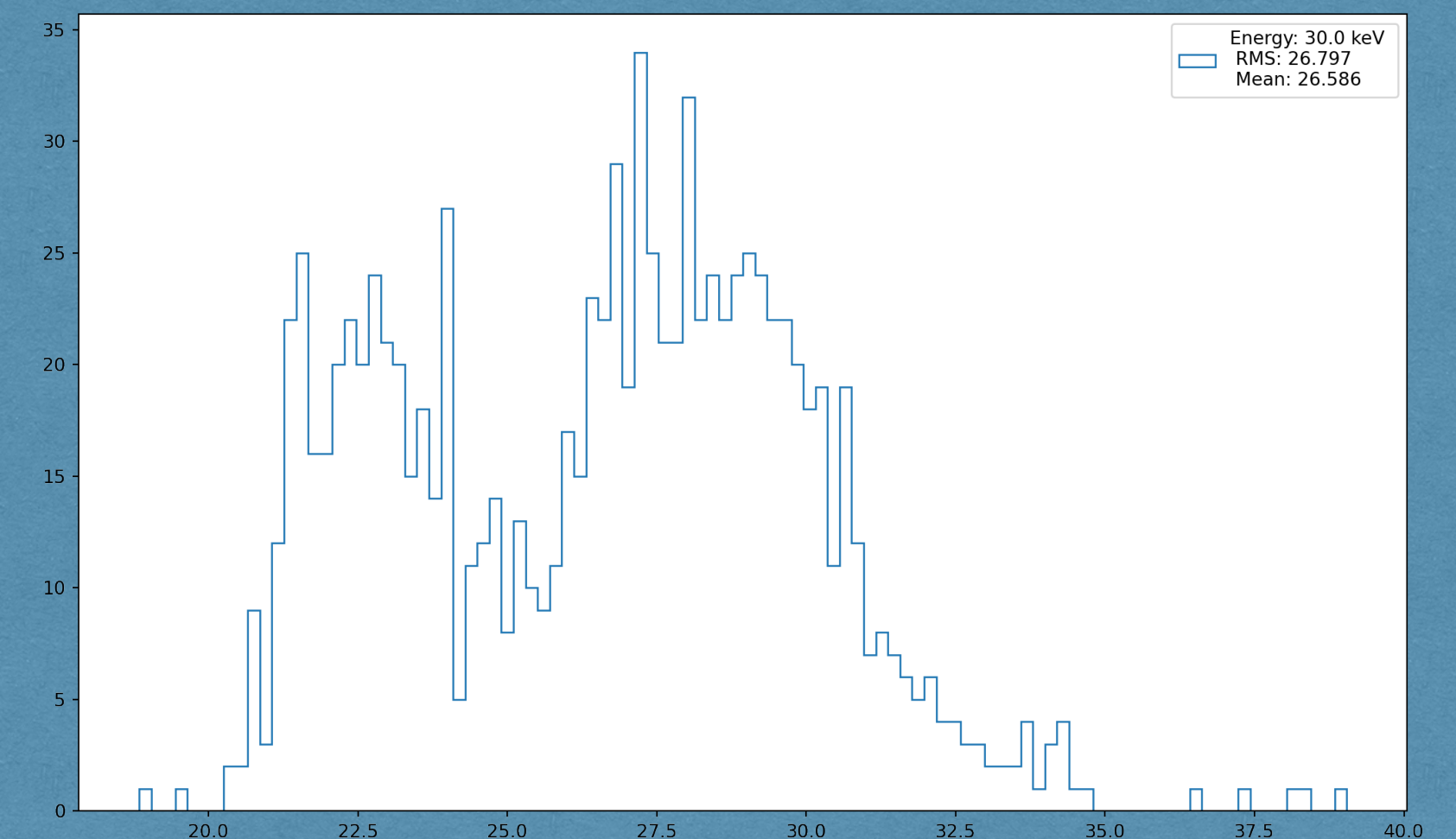
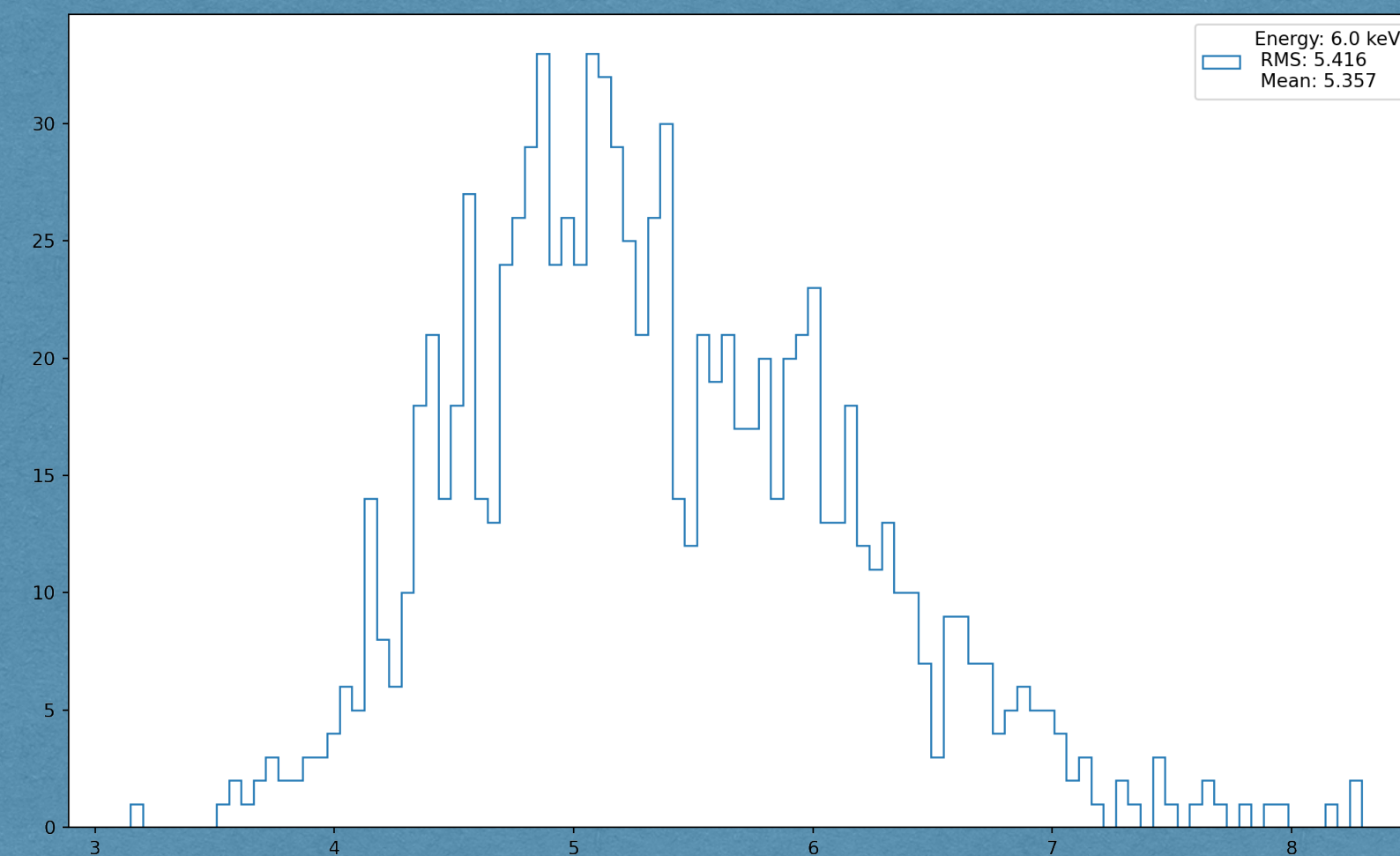
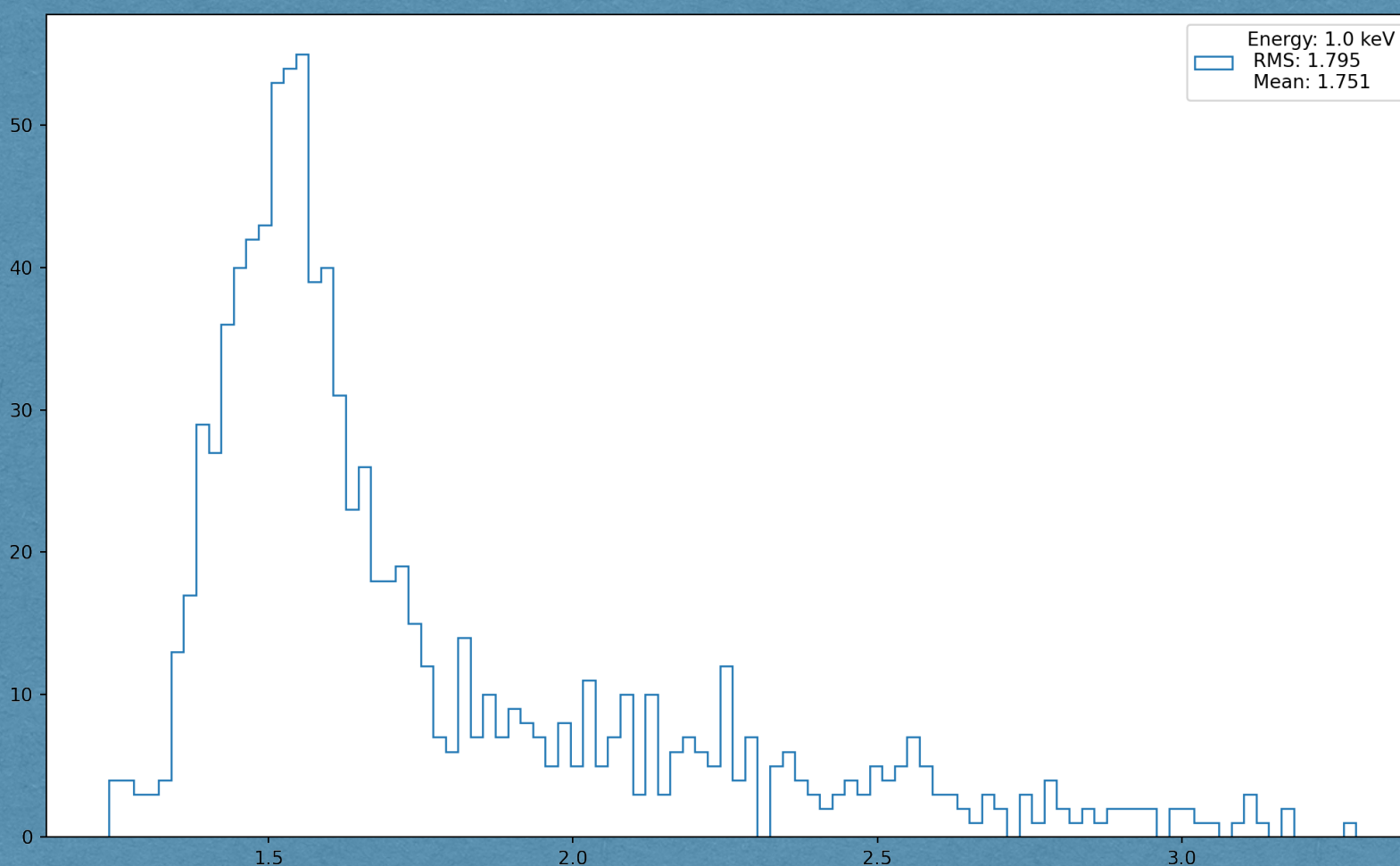
- Same behavior of current as us. This is confirming the goodness of our charge measurements and that gain is mainly in the gap;
- Light/charge ratio still 1. Under study ...

IDAO

We produced: 1k physical events plus random angles:

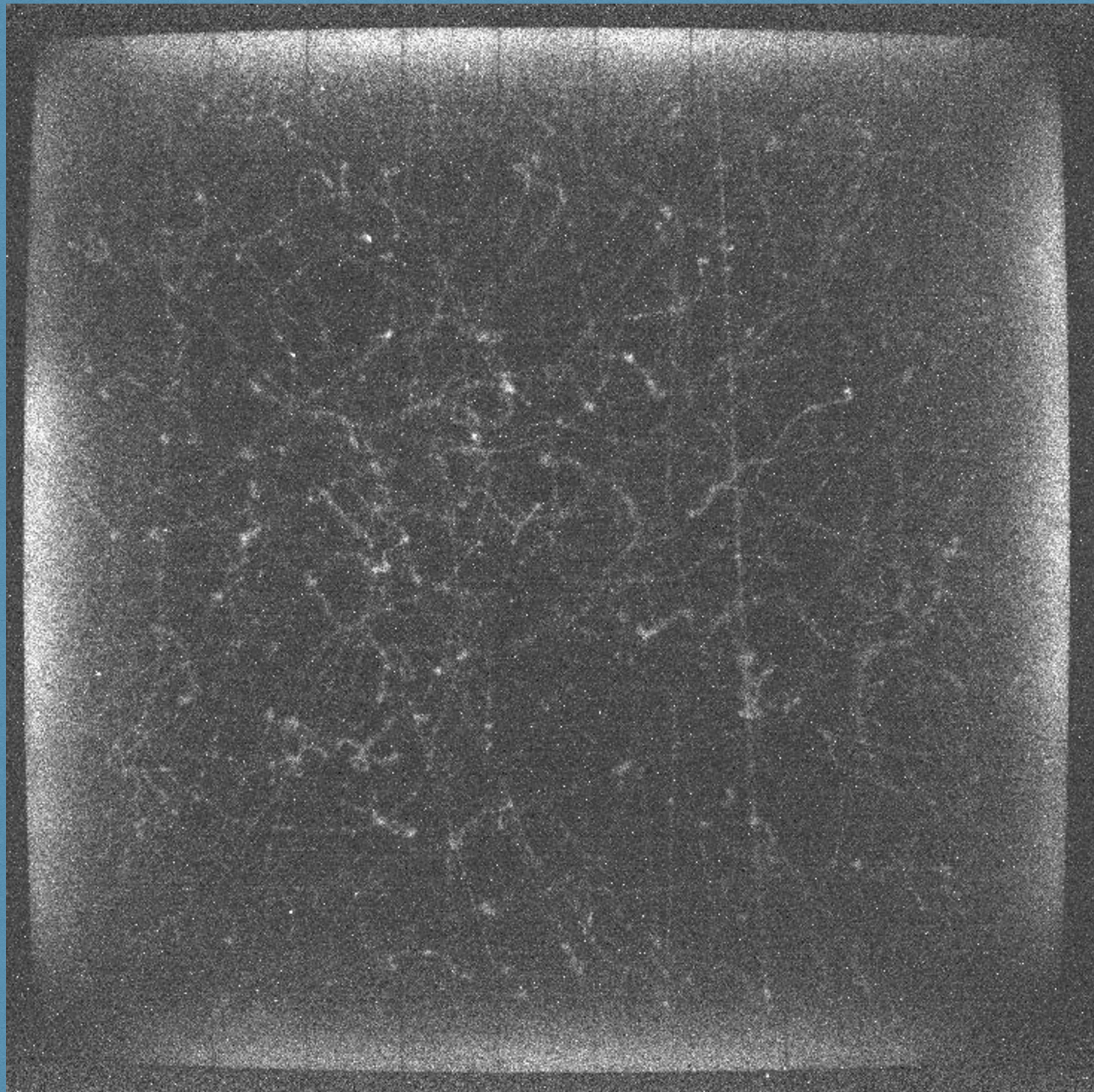
5k images per 6 energy bins = 30k images.

They are “validating” the samples

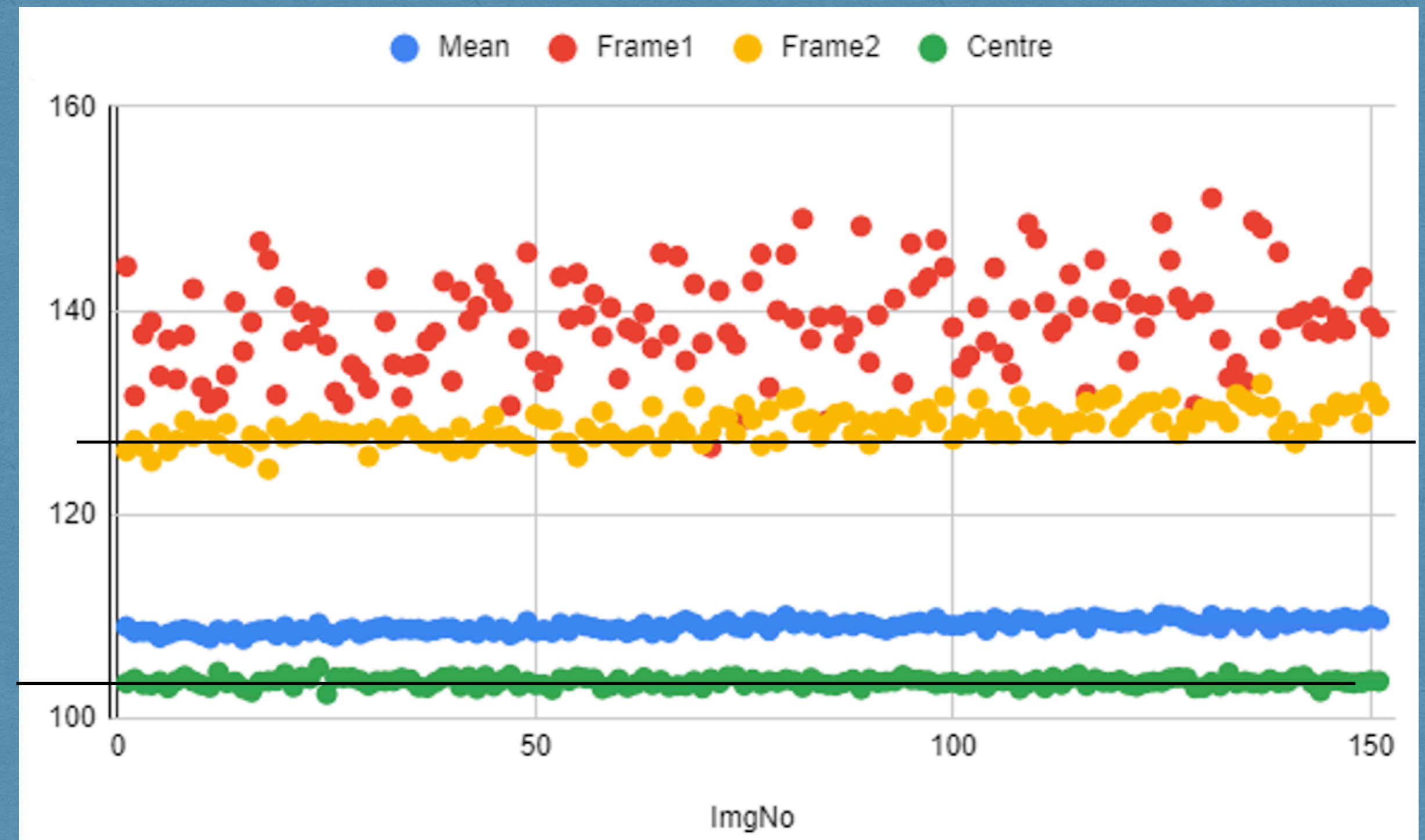


It's a good opportunity for us to run our reco on that sample to make a MC/EXP comparison

LIME



LIME FC started to “produce” unexpected (and unwanted) light from the external sides



This effect, appeared after 36 hour from HV-On, seems to increase with time

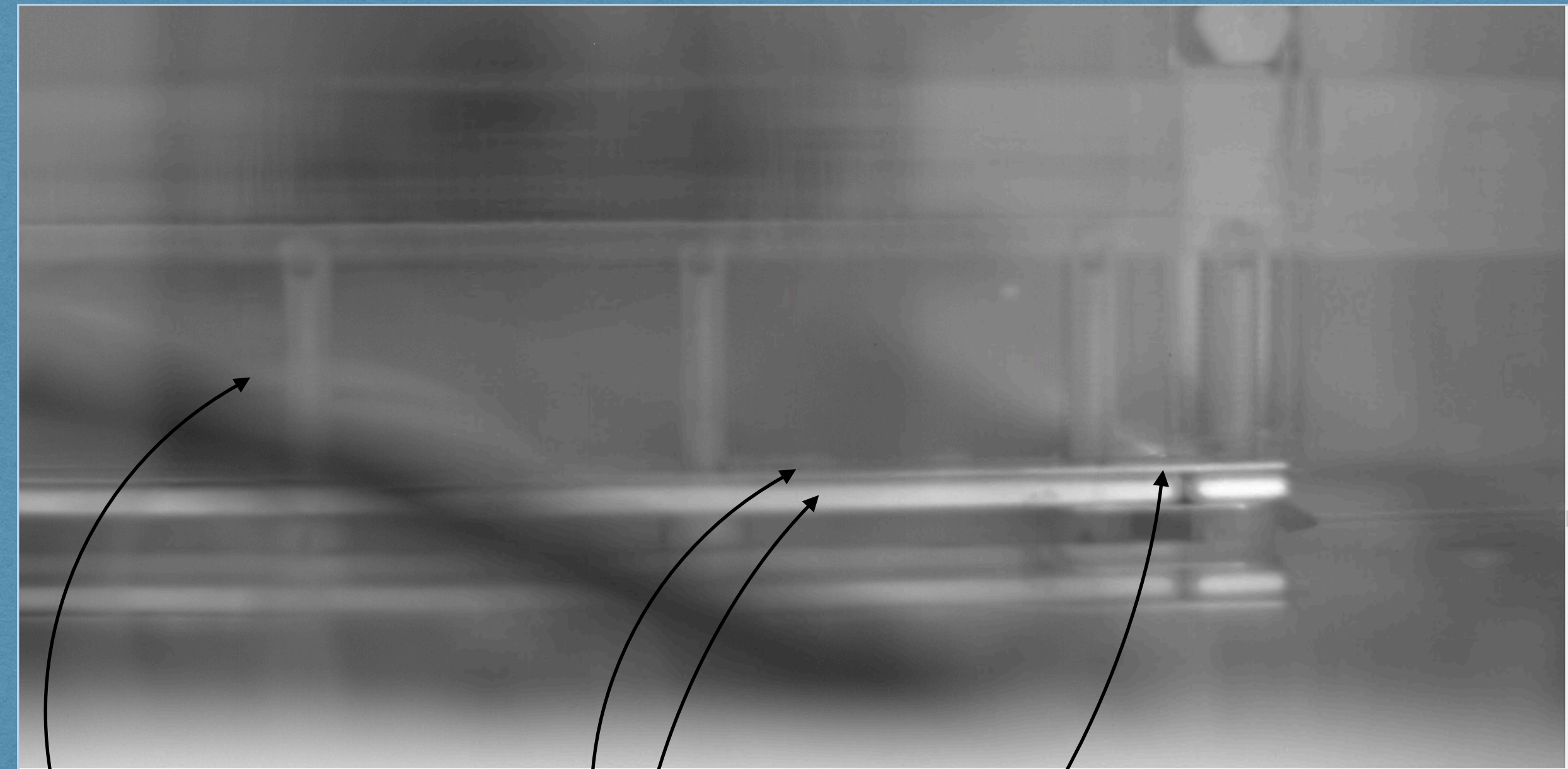
Yesterday we installed the camera on the top and scanned the FC

Room Light Off



Continuous
discharges

Room Light On



FC-plexiglass
box

Copper
Frames

Resistive
foil

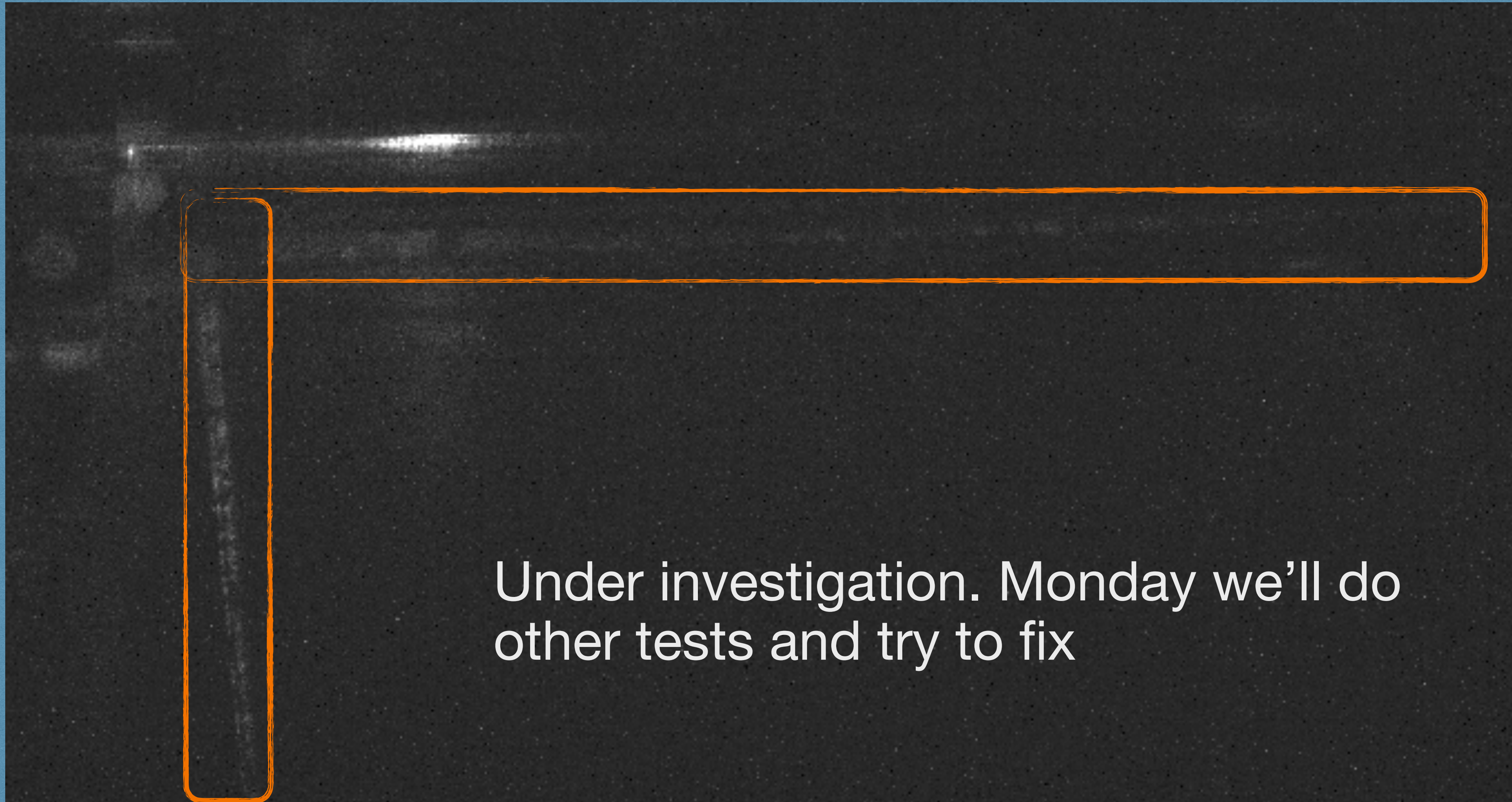
CLOSE-UP



Discharges on the FC side in towards the GEM were clearly visible

No other discharges were discovered in the FC

FRONT VIEW



Cathode connector

