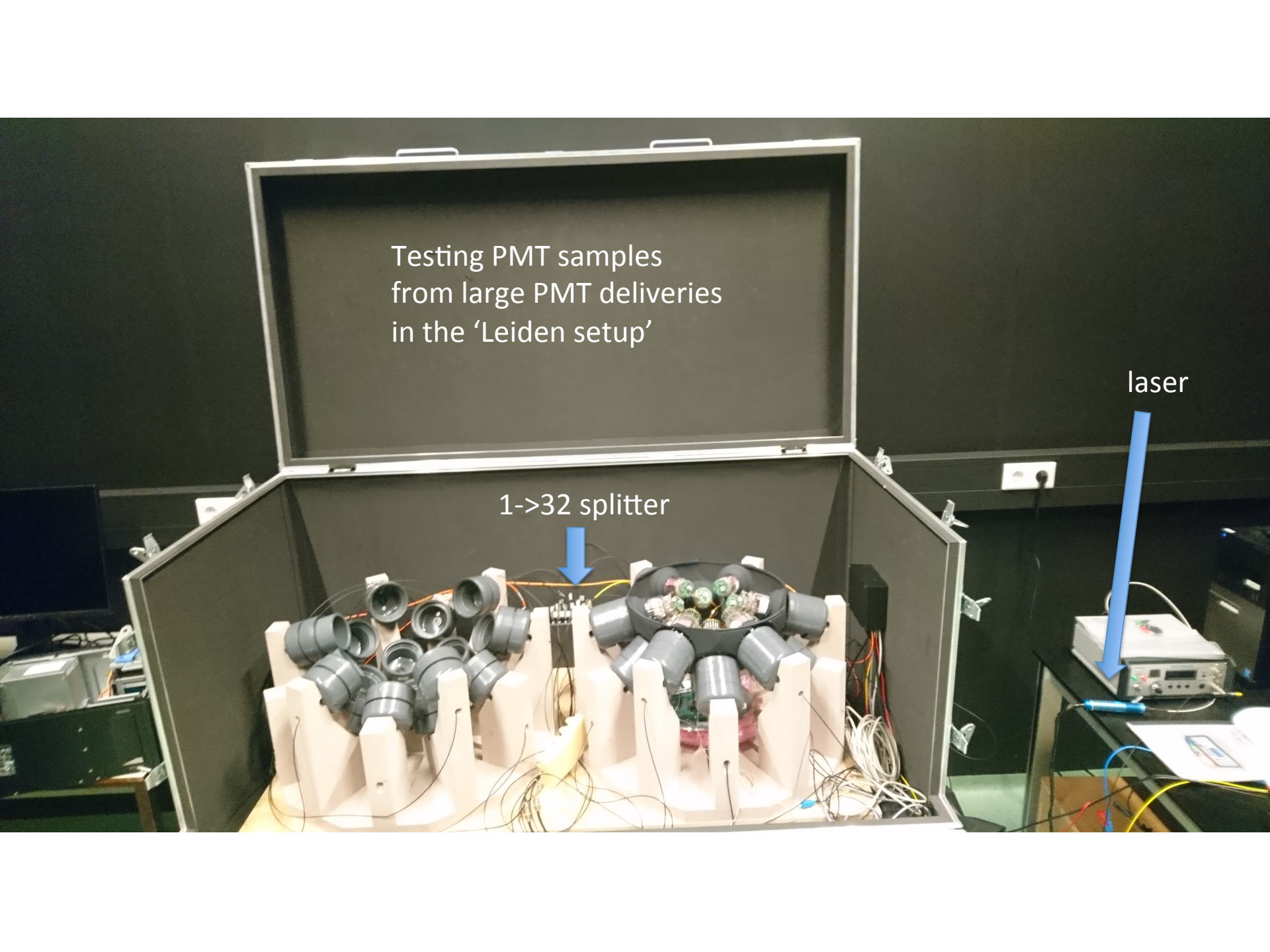


Testing PMT samples
from large PMT deliveries
in the 'Leiden setup'

1->32 splitter

laser

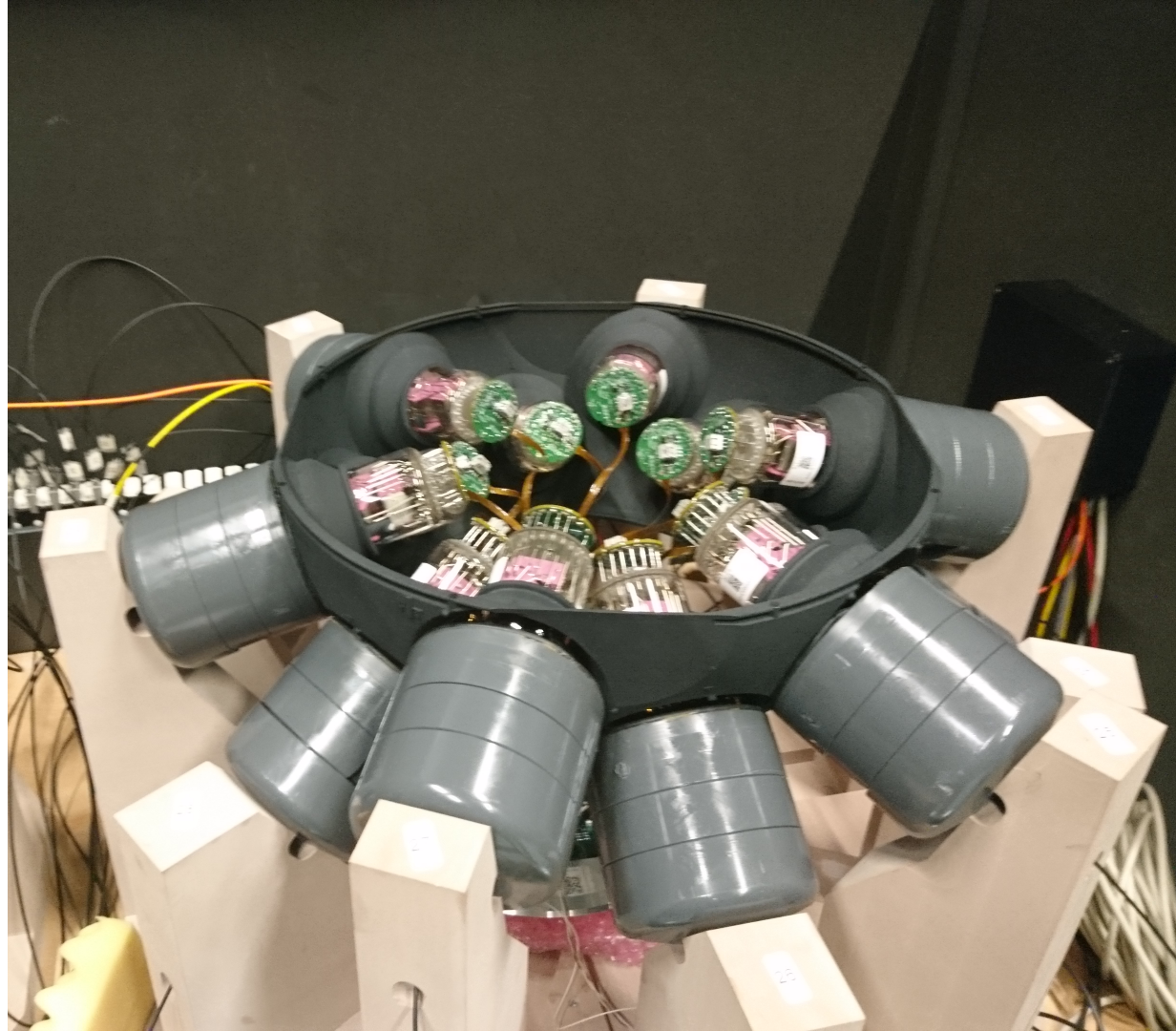


Laser signal with fiber led into
Leiden Blue Box, connected
to 1->32 splitter

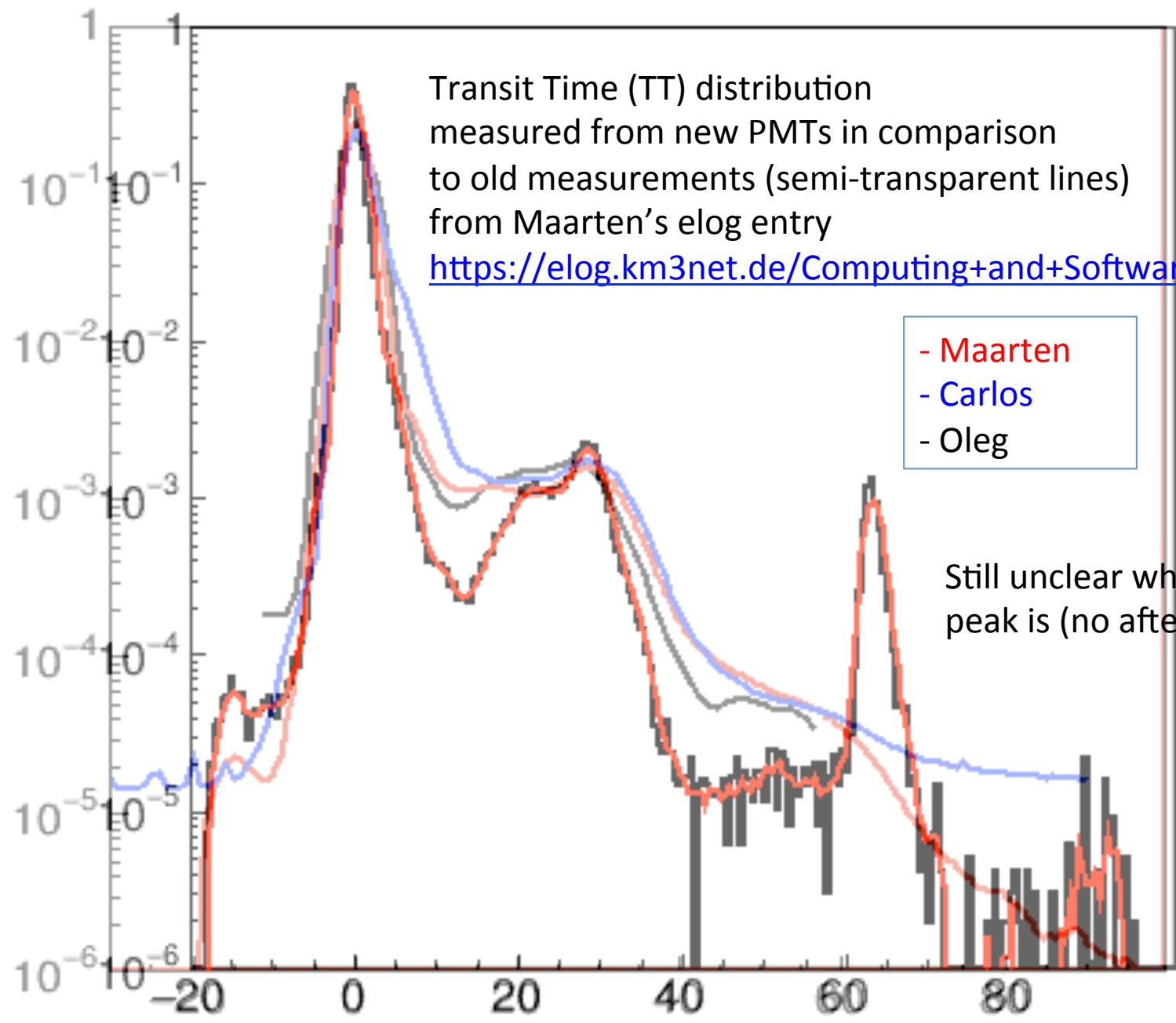
32 fibers guided to positions
matching PMT positions in
DOM support structures

Trigger for laser extracted from
nanobeacon connector on CLB

-> simultaneous tests of PMTs
in support structure possible



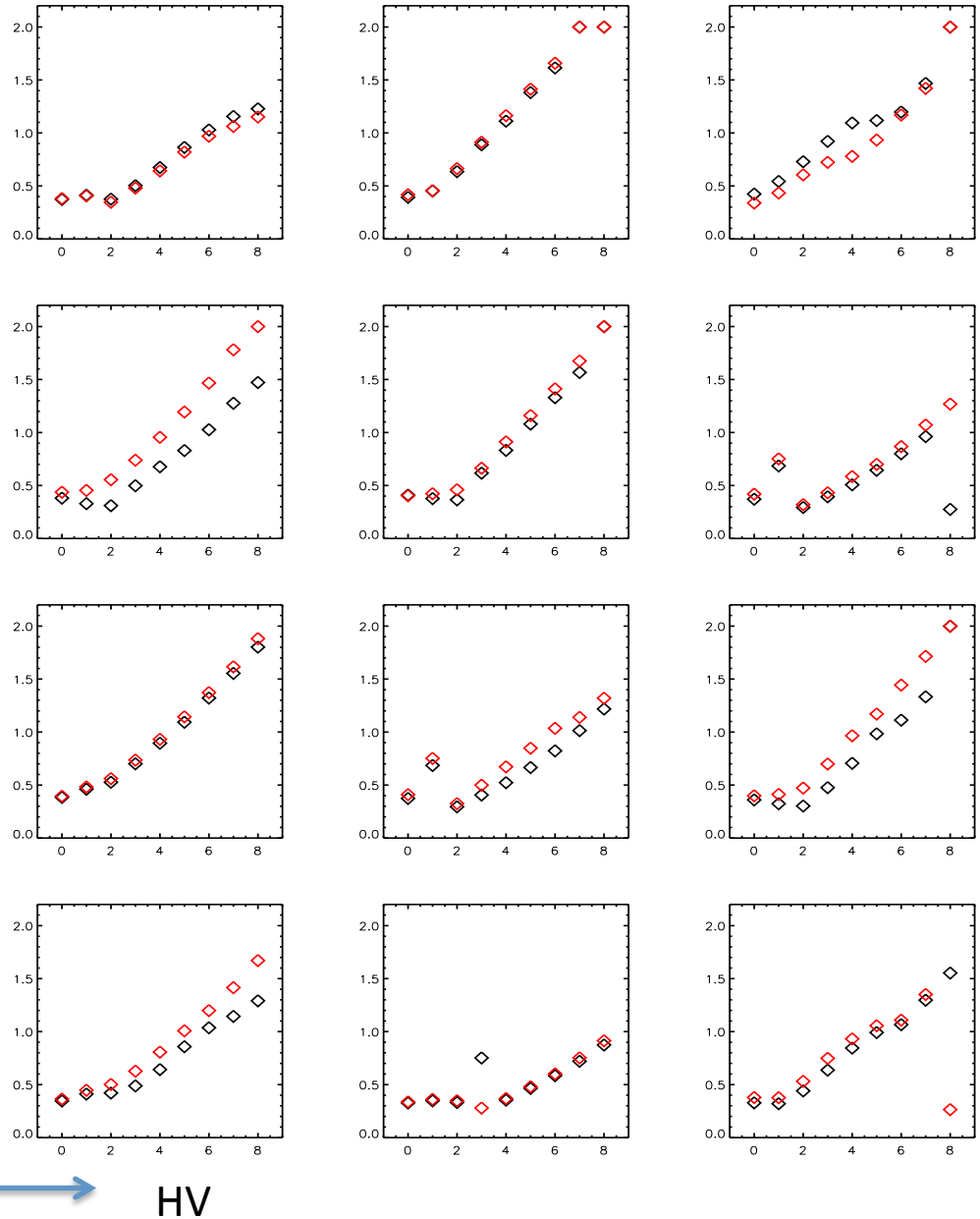
So far 5x12 PMTs tested



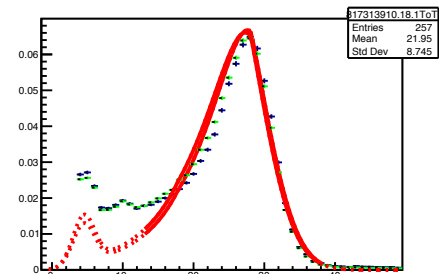
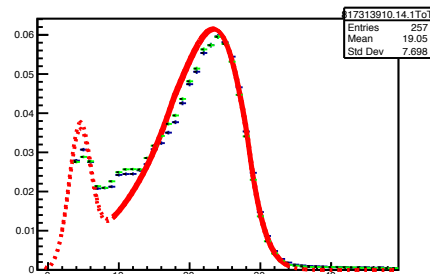
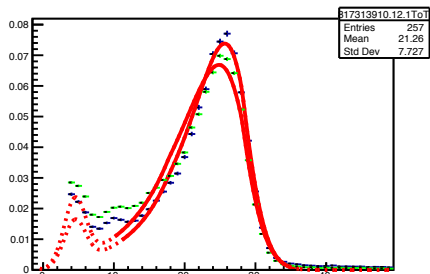
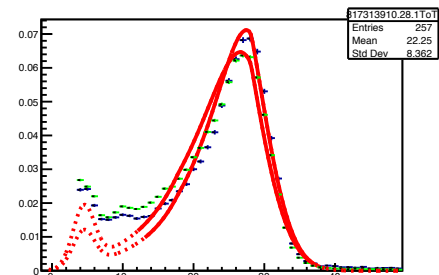
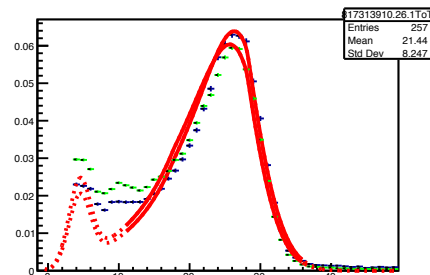
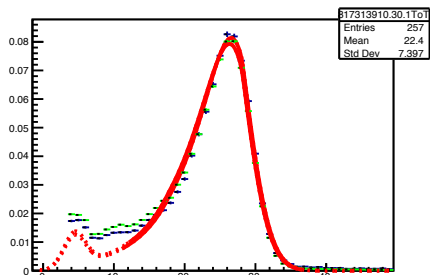
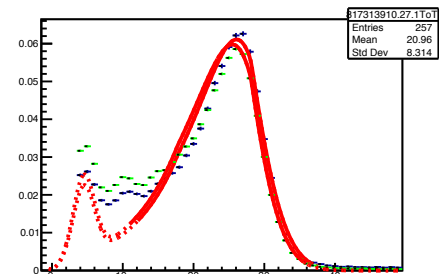
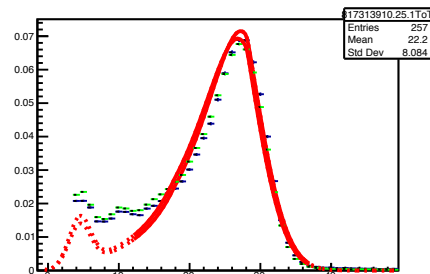
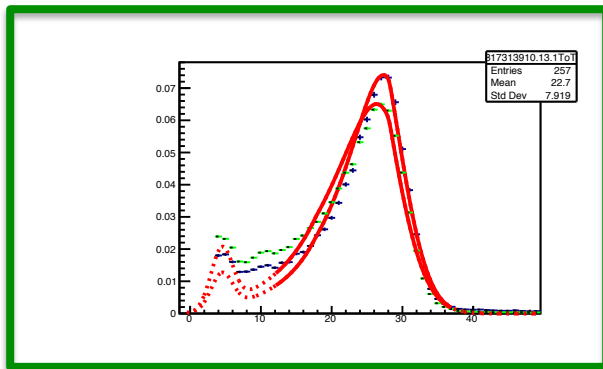
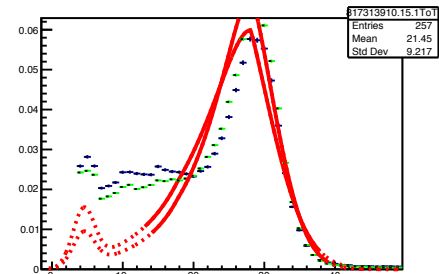
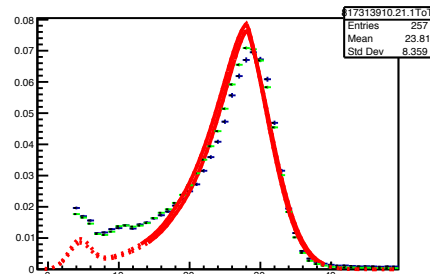
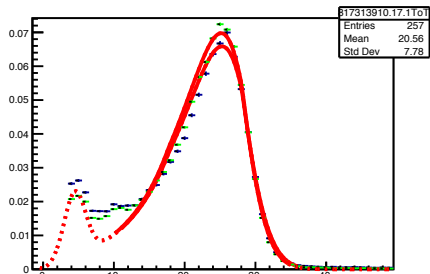
Gain versus HV

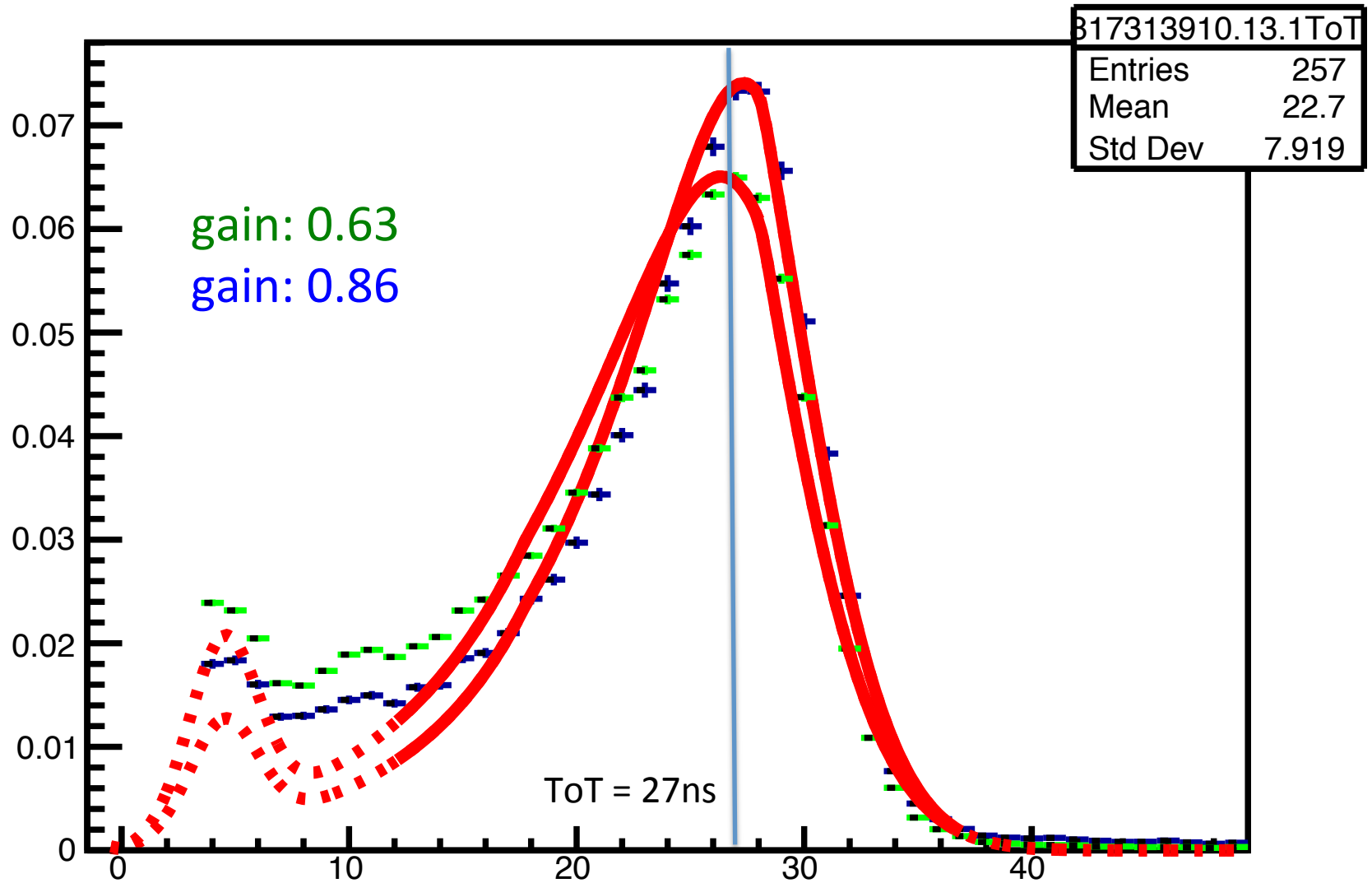
Evaluating gain at different HV
 $HV_0 - 100V < HV < HV_0 + 100V$
In steps of 25V

After ~1 hour
After the night



ToT distributions at nominal HV₀





-> PMT model fit very sensitive to low-ToT features
=> for HV tuning further restriction of fitting range desirable