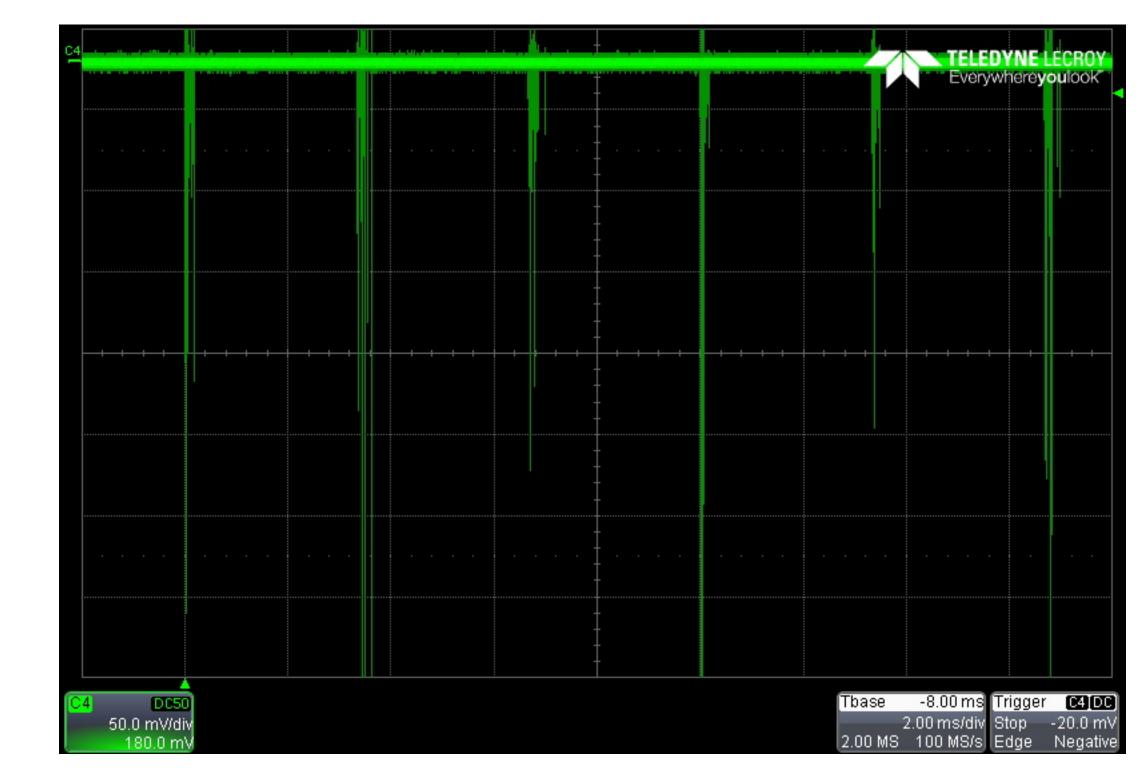
PNS Update

Francesco, Filippo, Serhan, Mattia

- Run in asynchronous trigger mode until **Tuesday** with the DDG running at 80 kV, 60 µA, 1 kHz, 10%
- Moved to pulser-driven trigger mode since Wednesday late afternoon 80 kV, 60 μA, 300 Hz, 5%
 => one 175 μs long pulse expected every 3.3 ms

downscaled to 2 Hz in ProtoDUNE-DAQ

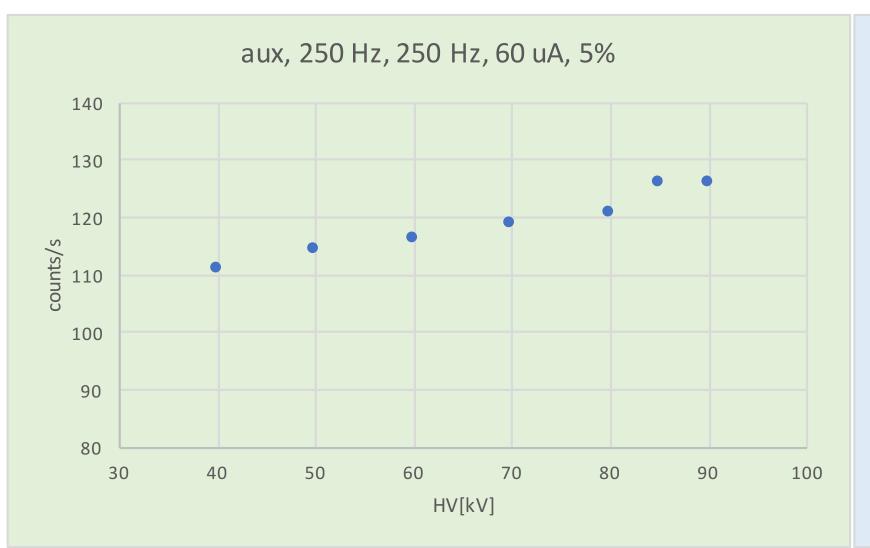
250 μs pre-trigger 2750 μs post-trigger (corresponding to one full drift time at 333 V/cm)

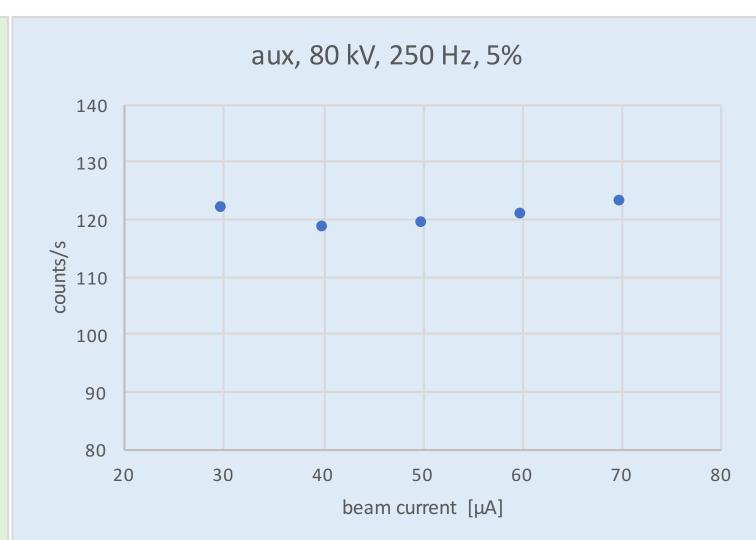


- Today: measurements to study the response of the photon detectors to neutrons
 - 1 hour data taken at DDG-HV reduced to 40 kV
 - 2 hours with DDG-current reduced to 30 μA

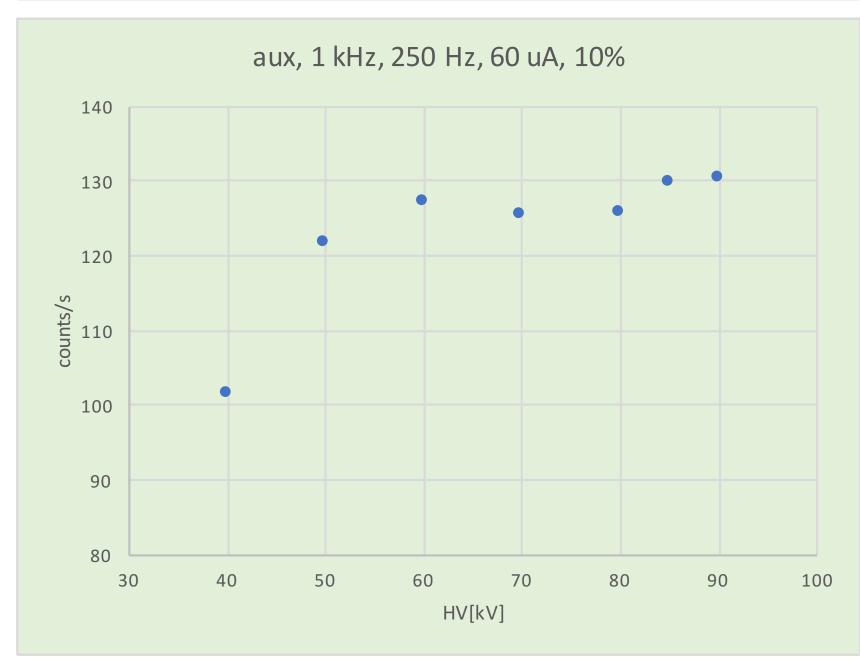
A detailed list of runs is available

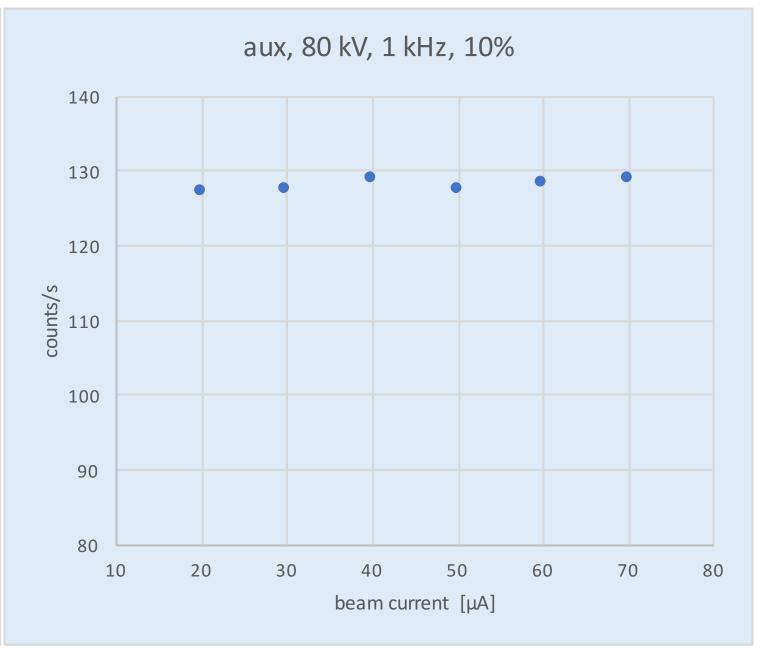
Neutron yield stability

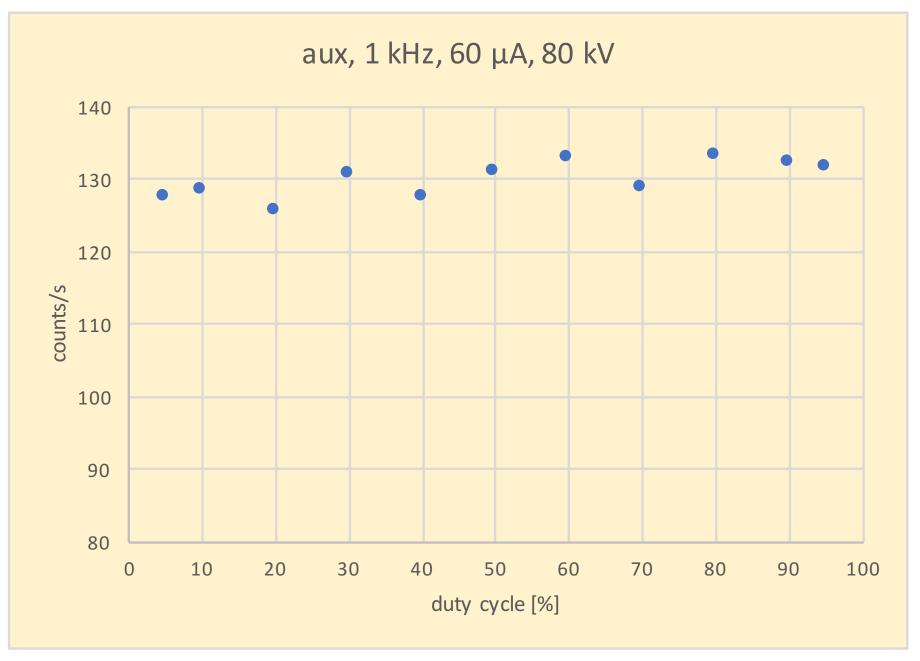




- Measured on the auxiliary detector - not calibrated (yet)
- •Measurements were taken after long operation time
- The n yield looks more stable than at the RP facility







• Currently running at 40 kV, 30 μA, 300 Hz, 5% (~80 counts per second)

Plan for the last ~60 hours run?