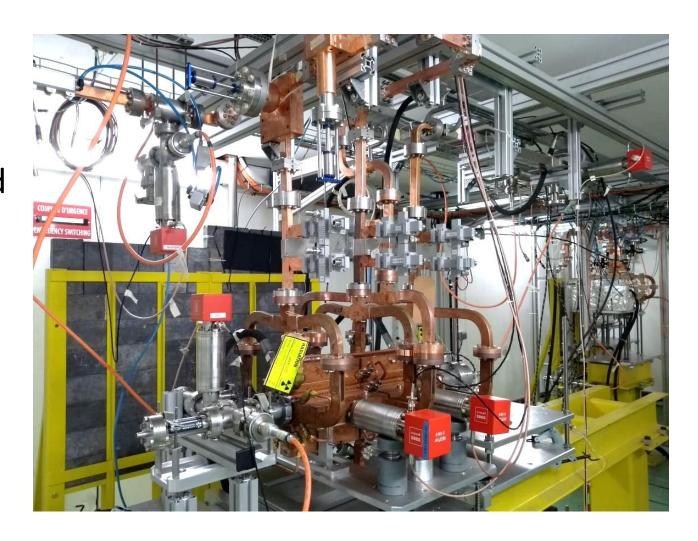
XBOXes Update

22/05/2019

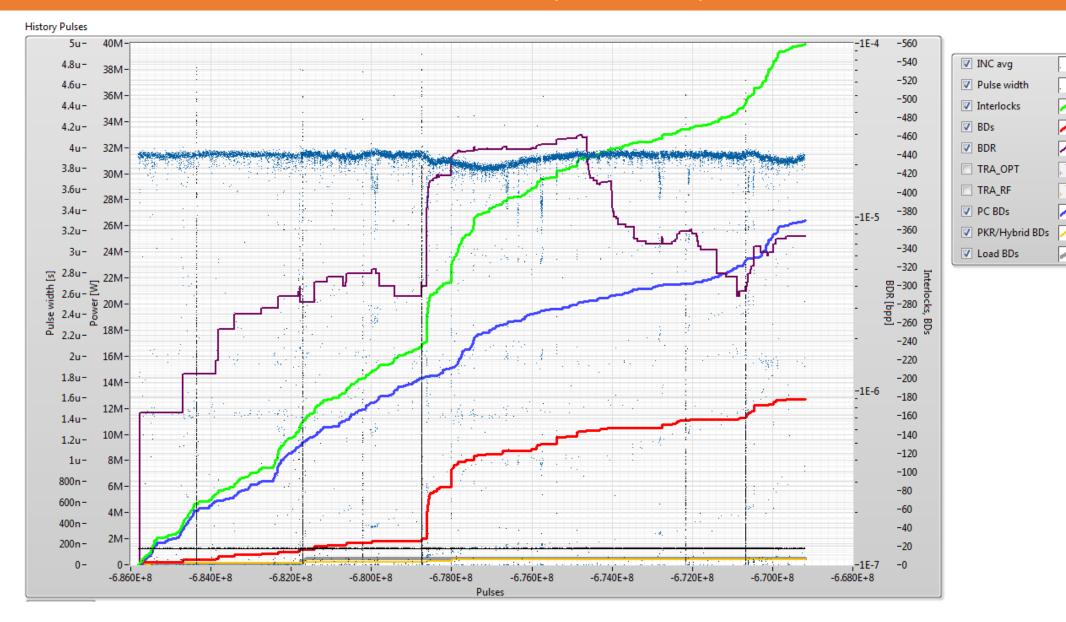
XBOX team

Summary

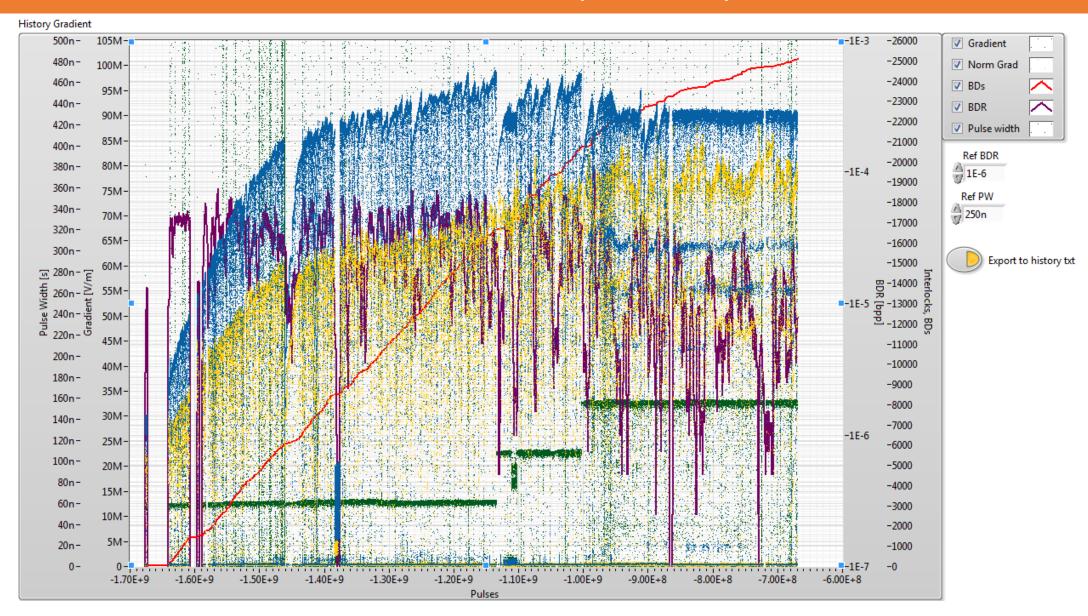
- XB3 lines 3 and 4 not pulsing due to modulator problem.
- XB2 superstructure installed and under vacuum with 10 ion pumps (E-8 to E-9 mbar range everywhere).
- XB2 Software upgrade in progress.
- IPAC this week...



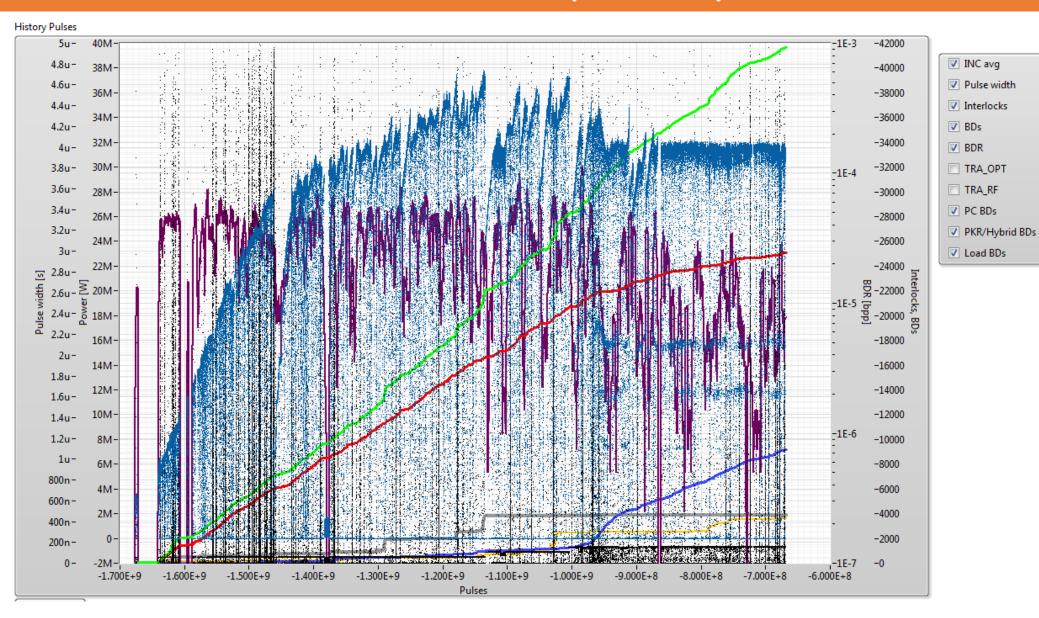
XBox 3 line 1 (T24 N5)



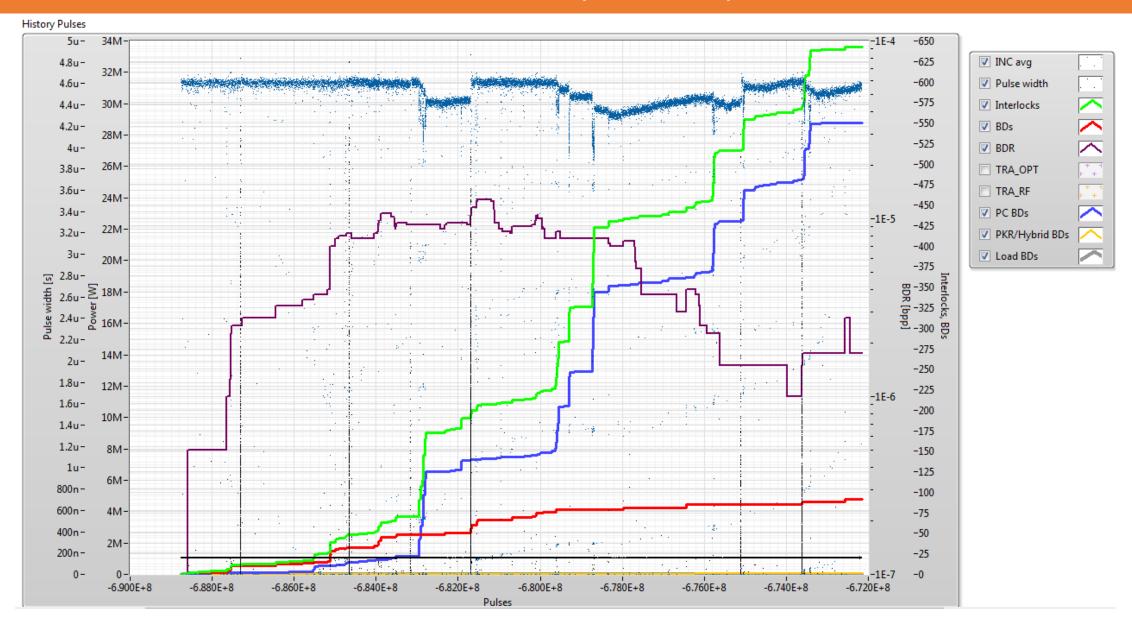
XBox 3 line 1 (T24 N5)



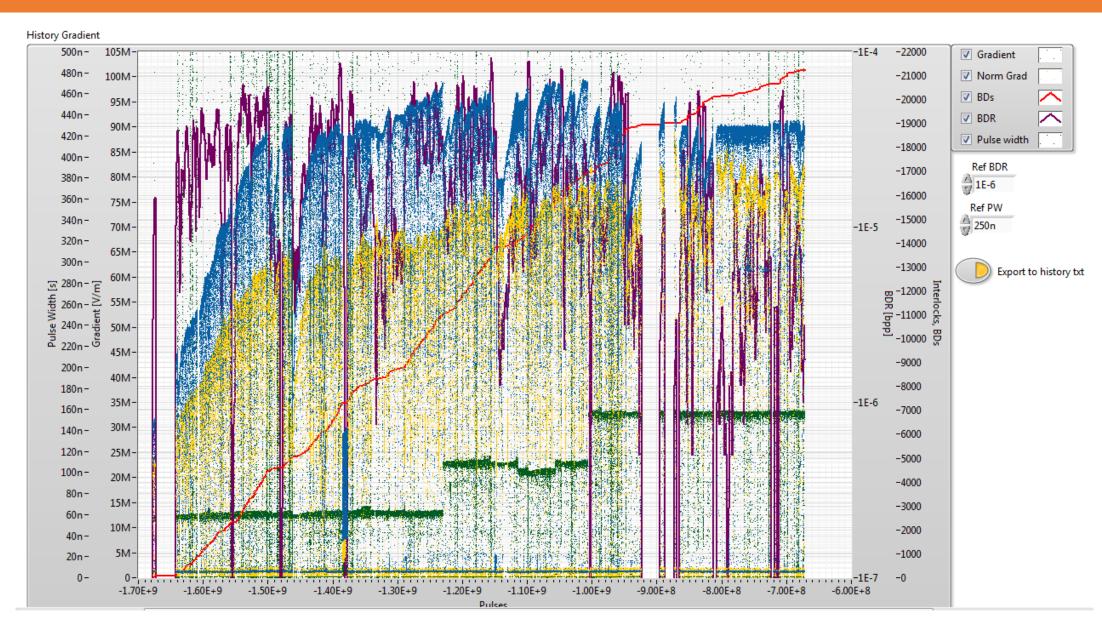
XBox 3 line 1 (T24 N5)



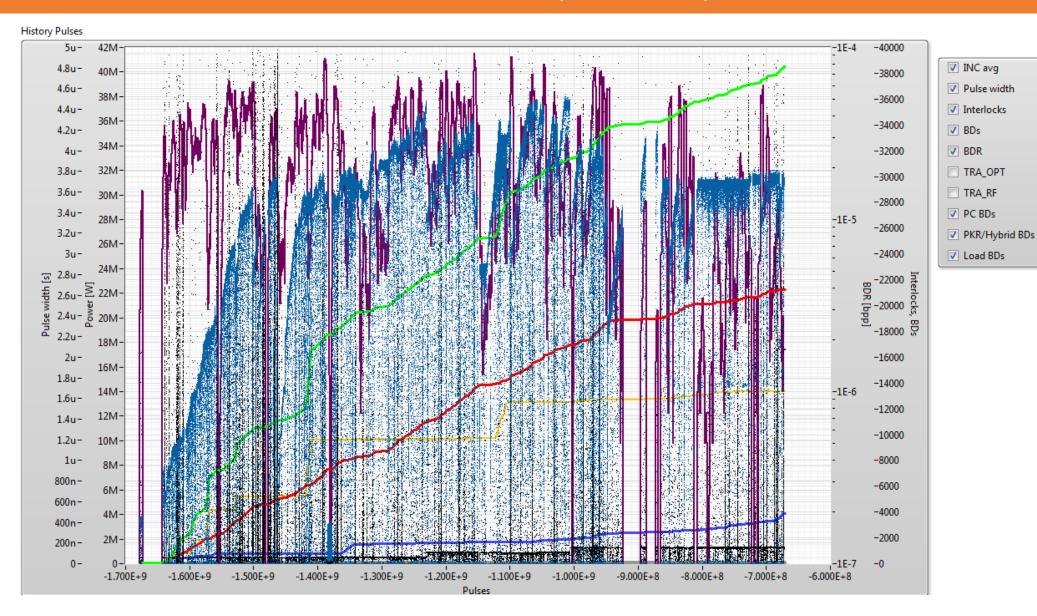
XBox 3 line 2 (T24 N4)



XBox 3 line 2 (T24 N4)

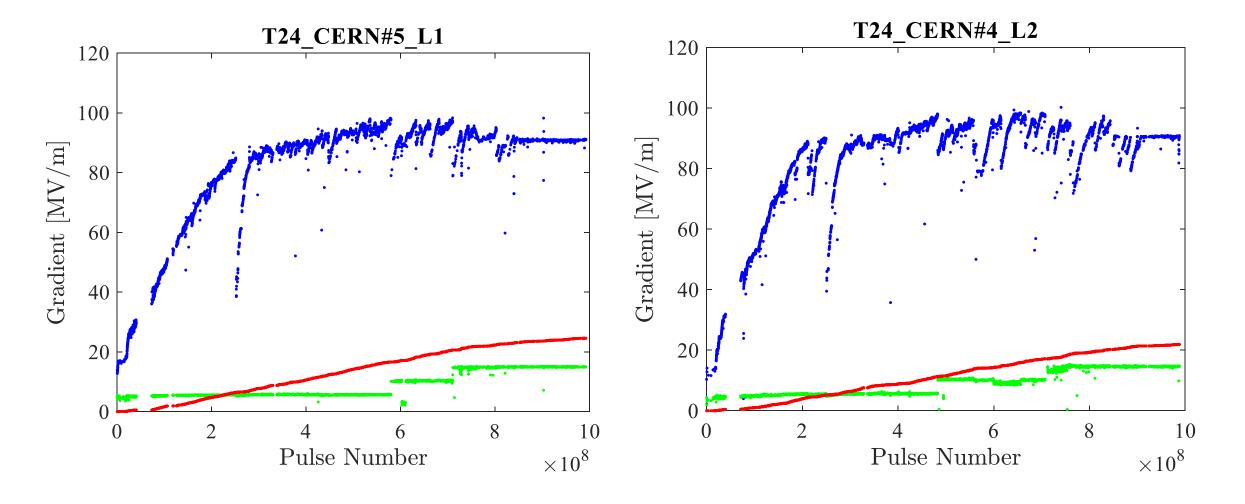


XBox 3 line 2 (T24 N4)



Current T24s in Xbox3 L1&L2

Data until 5/6/2019

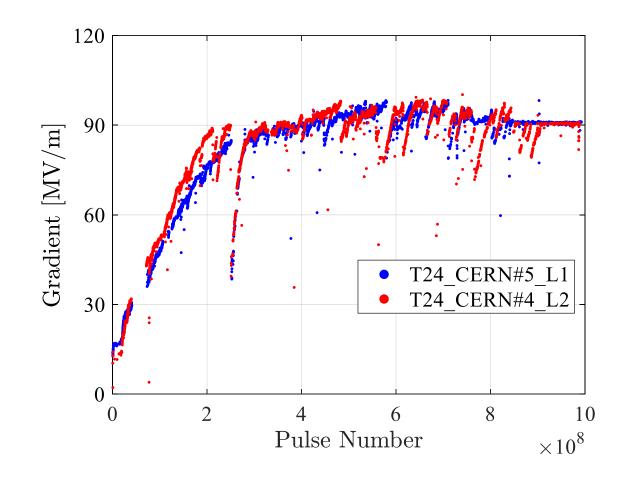


T24_CERN#5 & T24_CERN#4

Almost same ramping speed

T24_CERN#4 slightly better

Now constant operation at 150ns, 33MW which is 92.6 MV/m

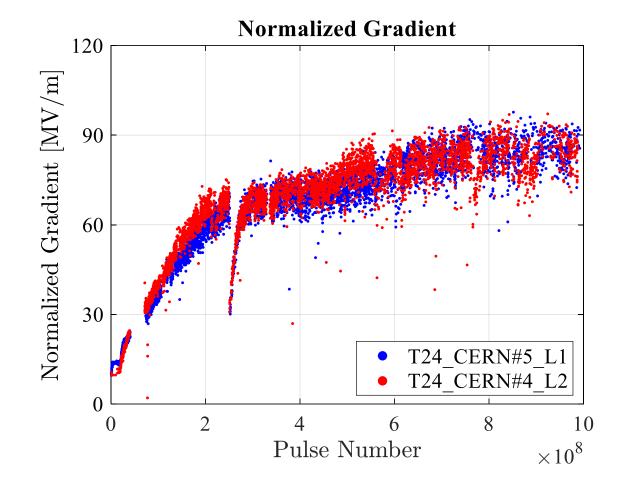


Normalized Gradient

Gradient Normalized to 2e-5 bpp, 250 ns

Still ramp but very slow

Something happened at 2.5e8 pulses?



T24 comparison

Ramping speed is slower than the previous T24s

Further investigations need to be carried out

