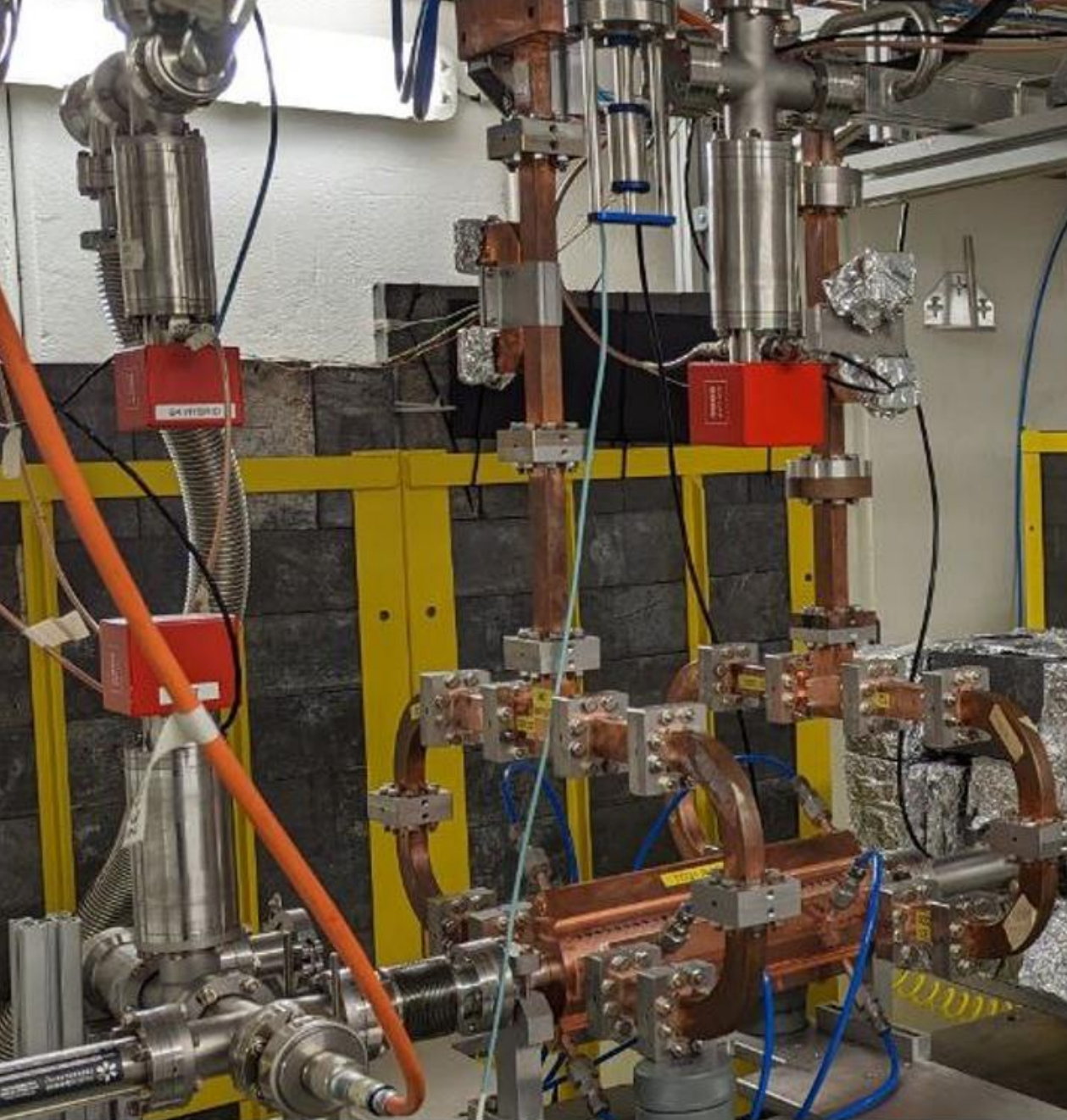




X-Box Summary

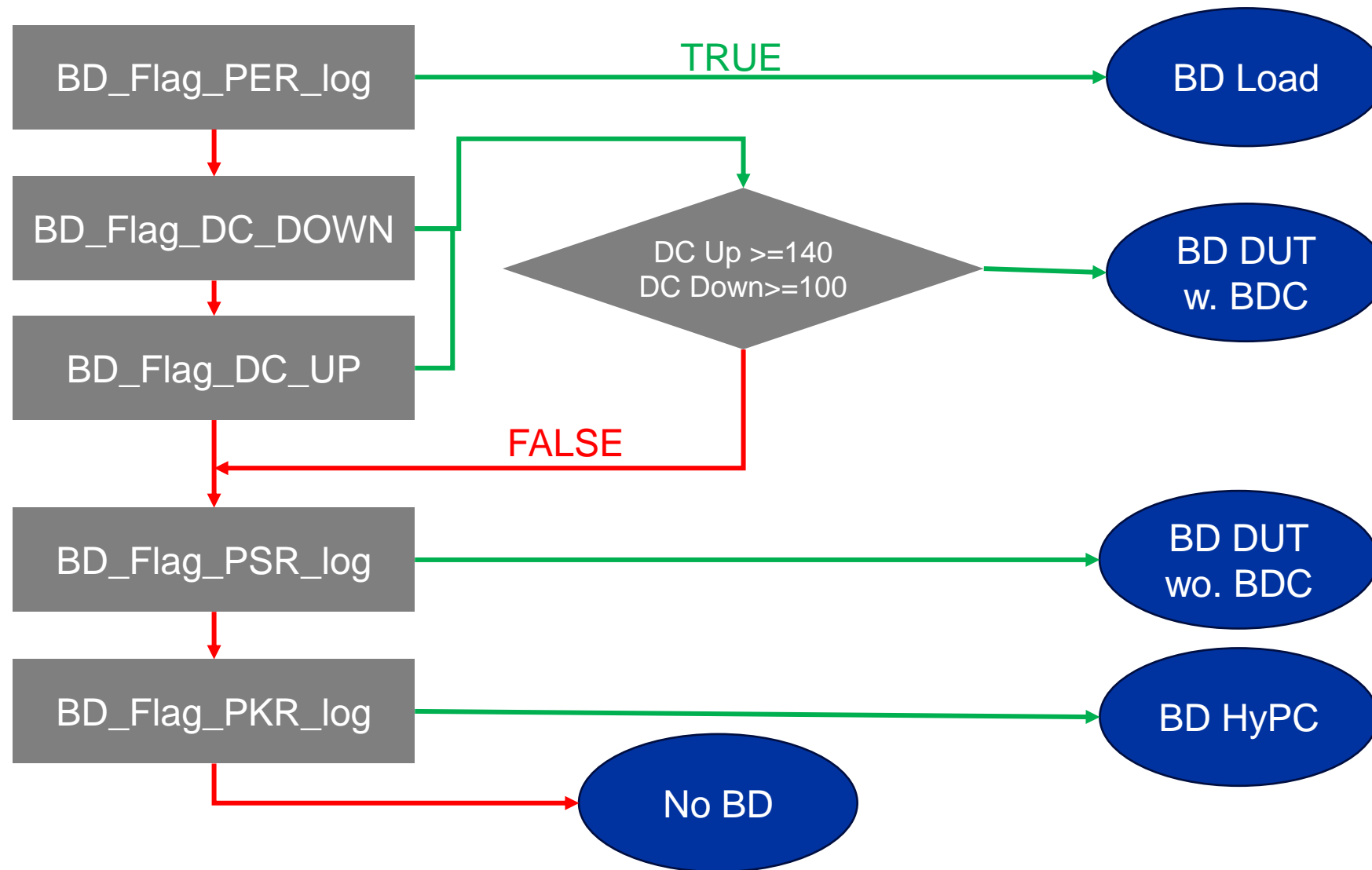
12.06.2024



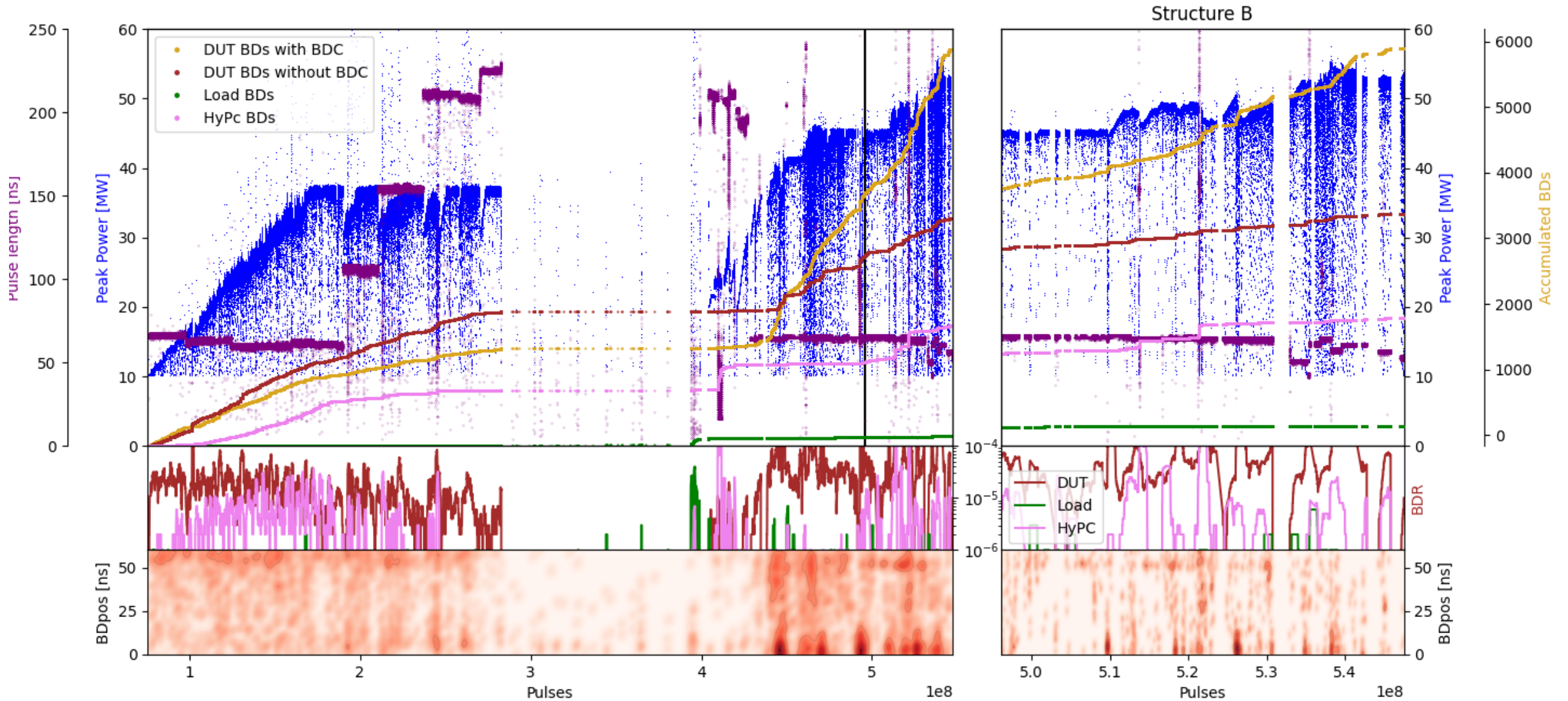
X-Box 2 TD31 N3 N4: Structure B

- **Restarted 26.01.2024**
- 100:1 ratio, all power to Structure B
- Pulse width 50ns
- **Interlock in modulator regarding SU**
 - Fixed on Wednesday the 22nd
- **Running flat**
 - Setpoint DUT 54MW

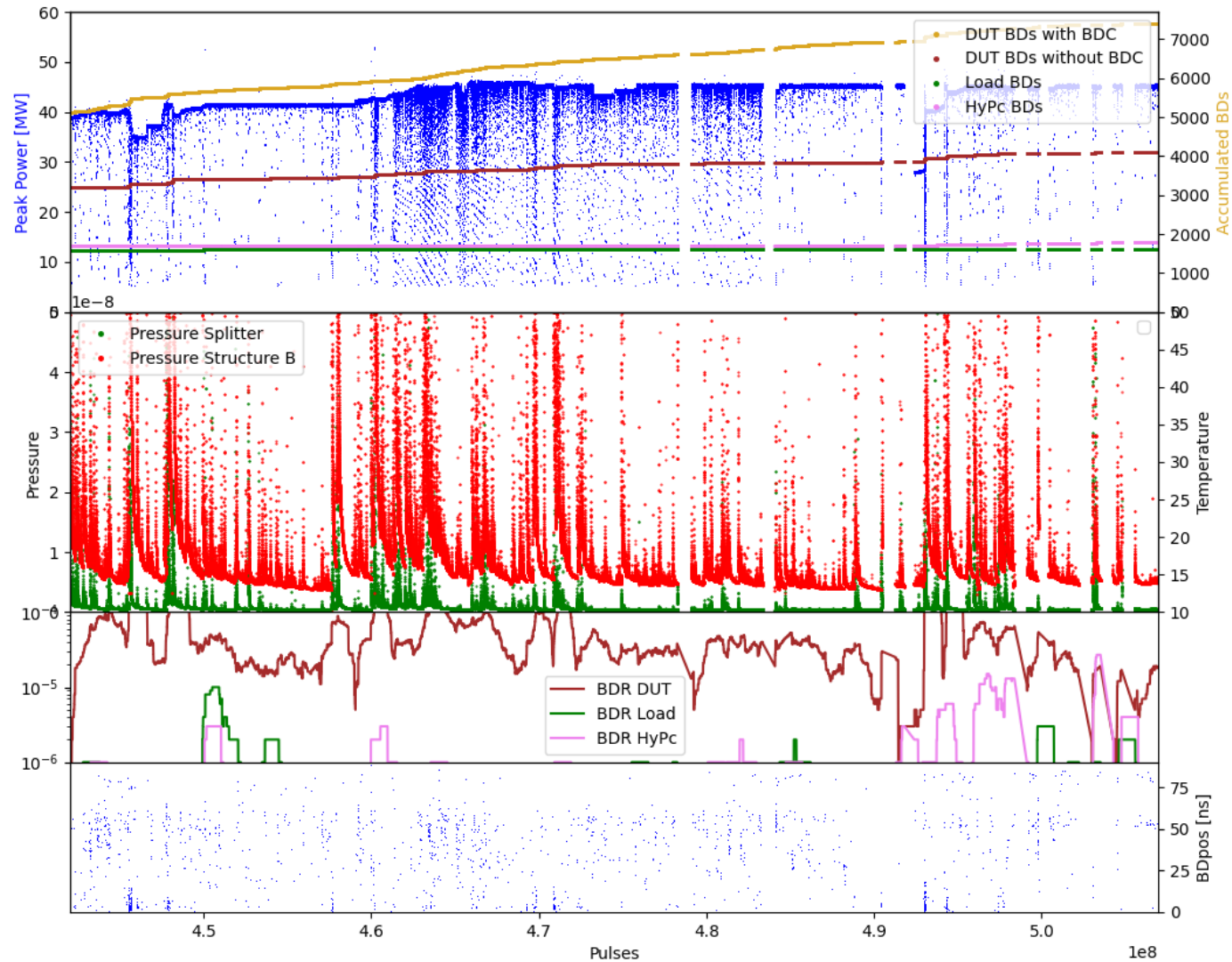
X-Box 2: Reminder on BD classification



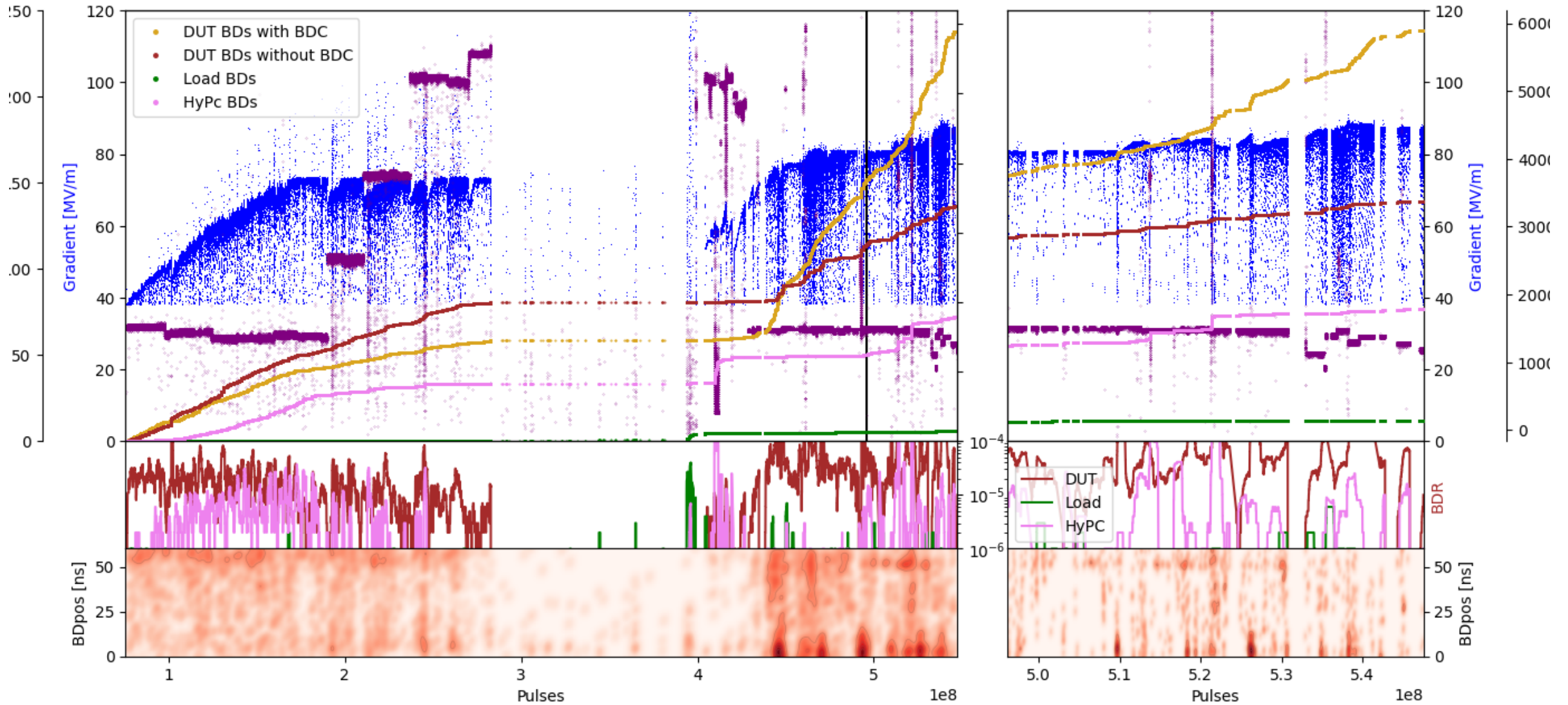
X-Box 2: TD31 N3 N4 Structure B – Peak Power



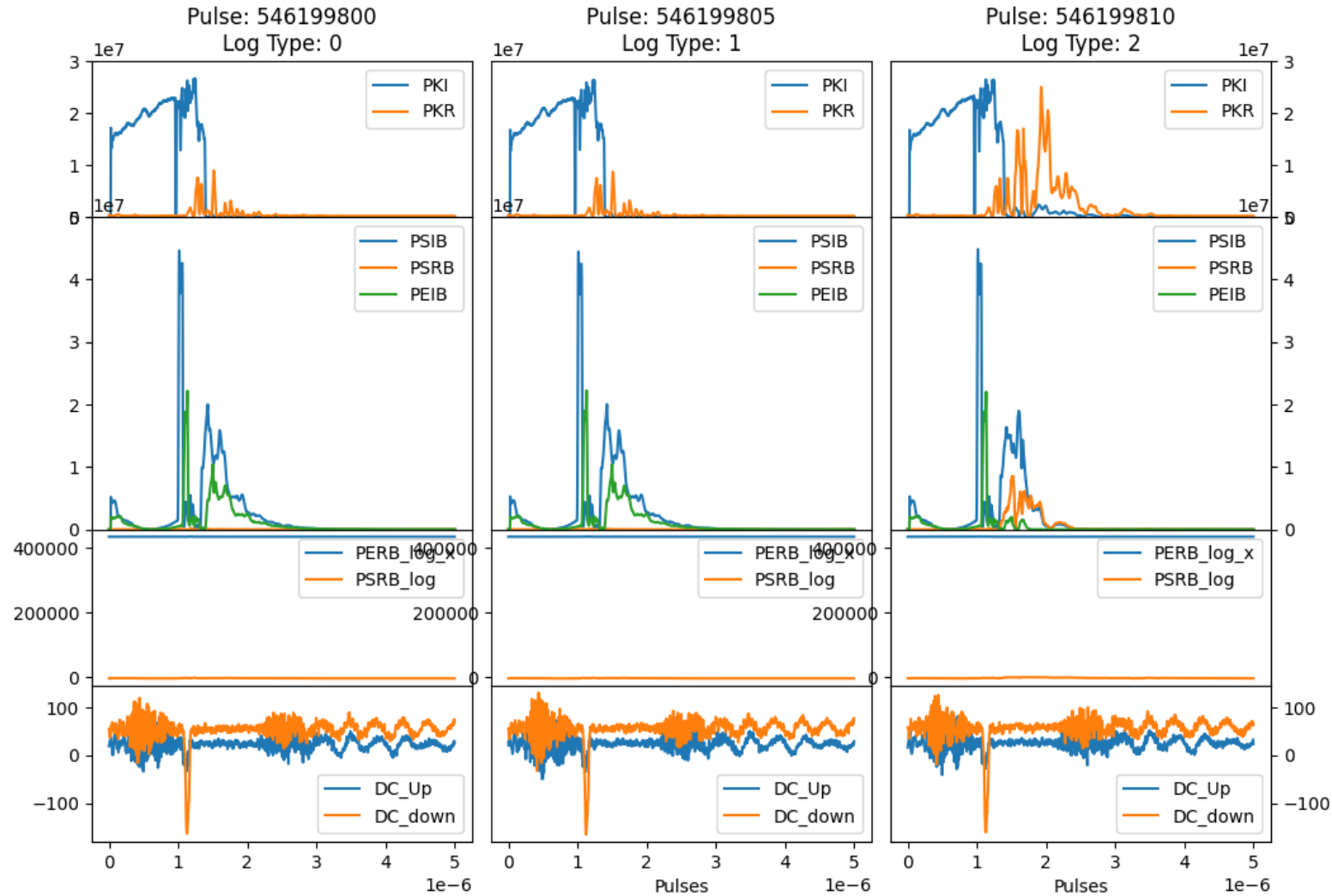
X-Box 2: TD31 N3 N4 Structure B – Peak Power



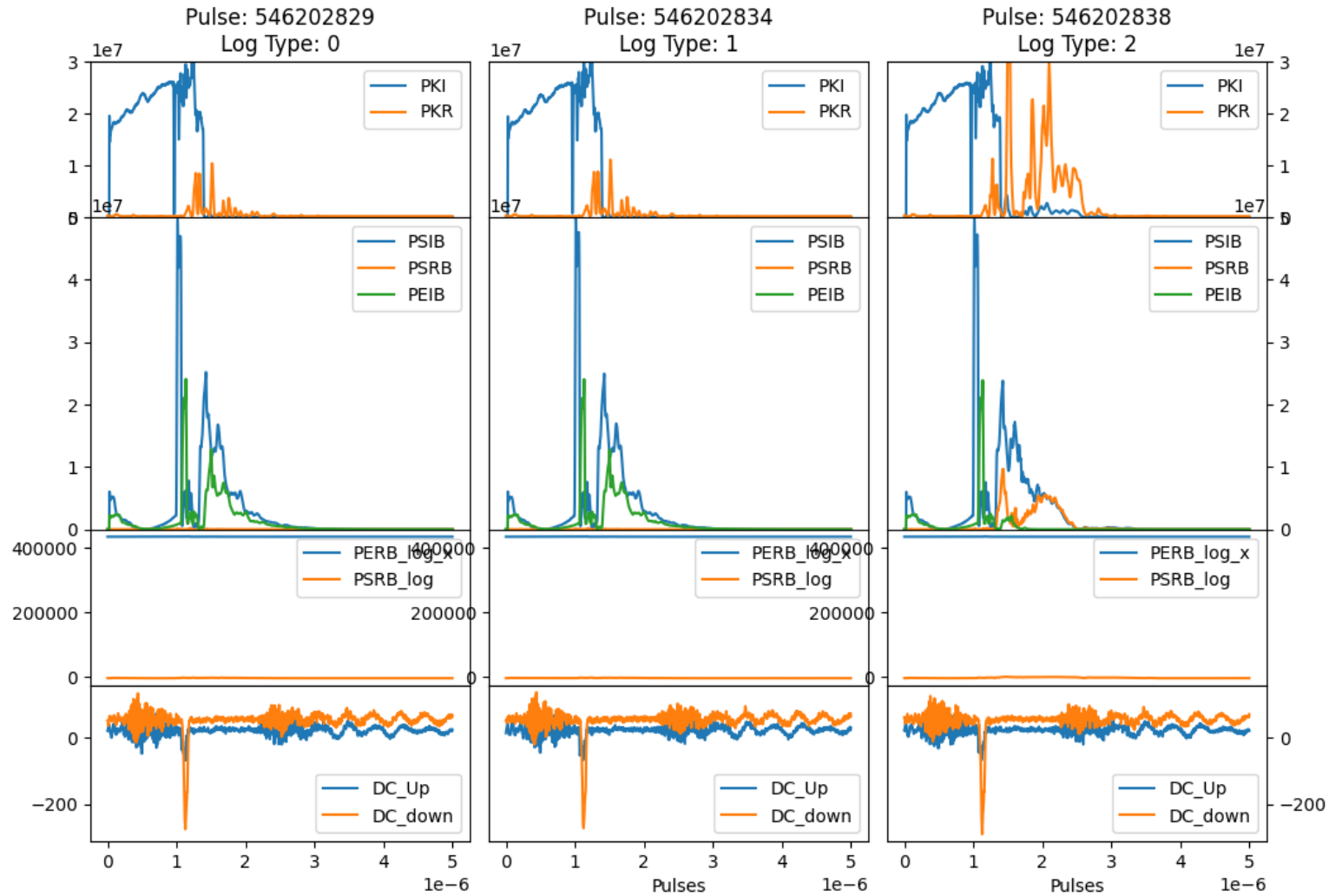
X-Box 2: TD31 N3 N4 Structure B – Gradient



X-Box 2: 06 June 2024 Pulse 546199810

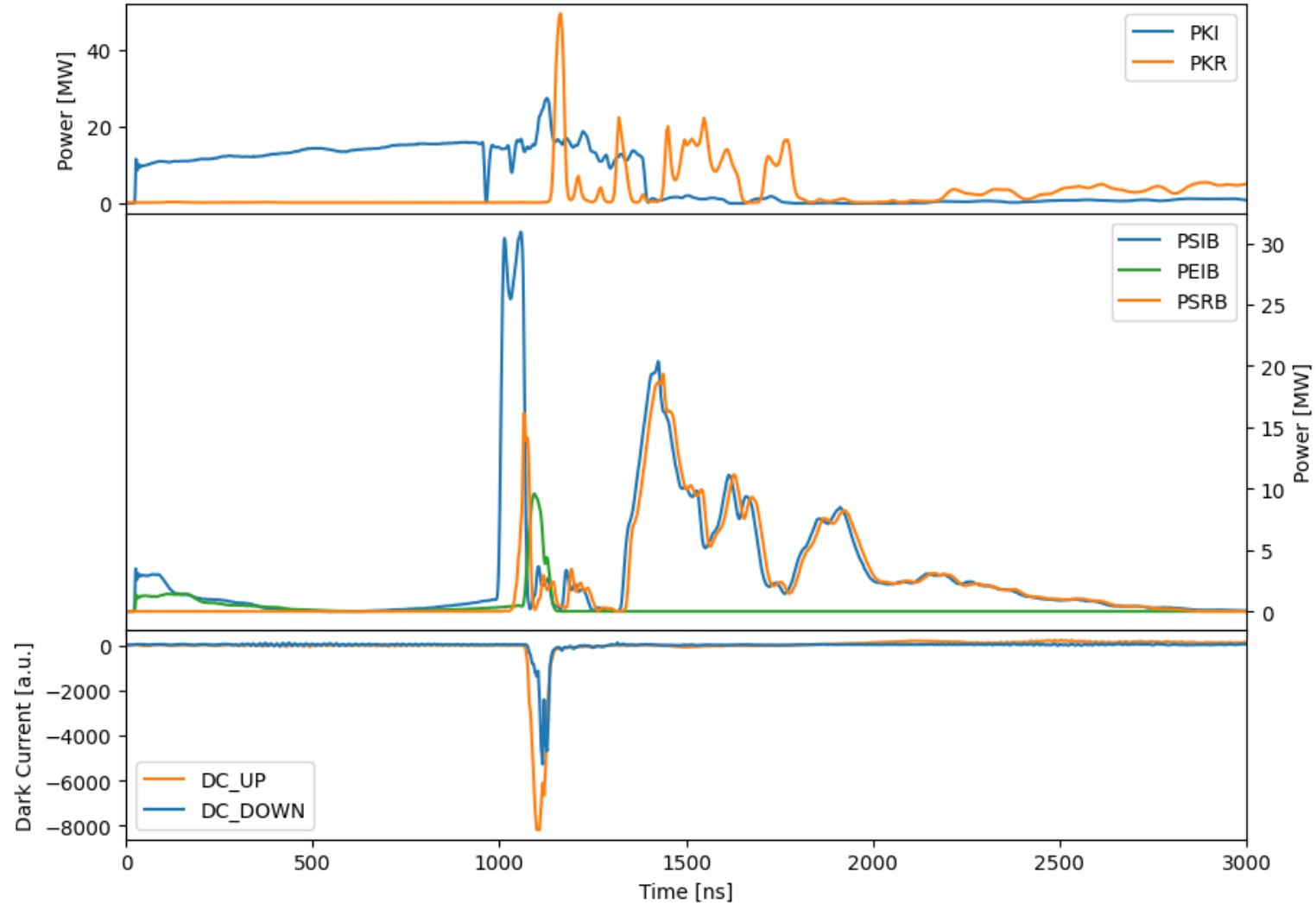


X-Box 2: 06 June 2024 Pulse 546202838



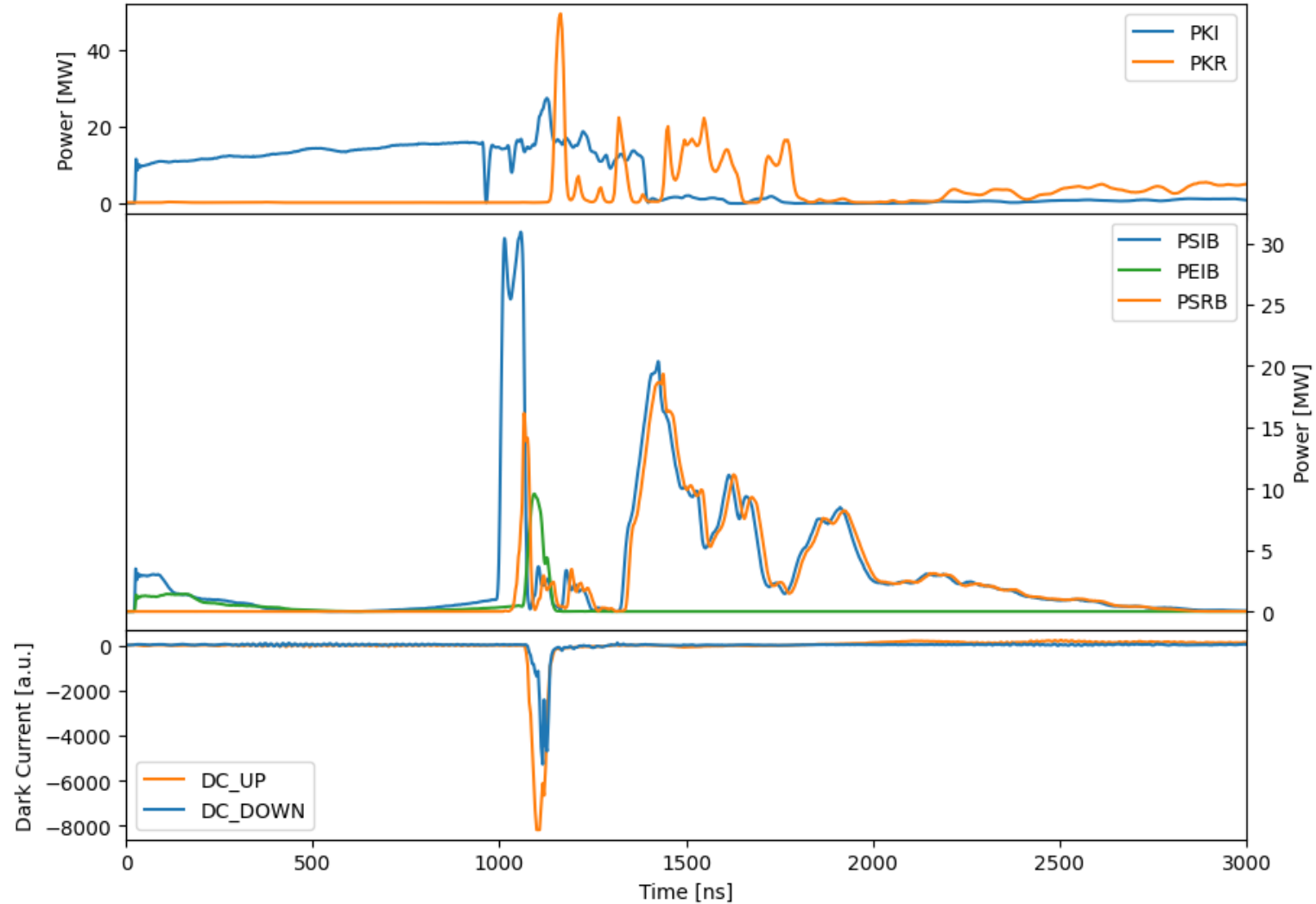
X-Box 2: BD pulse 545436388

Pulse 545436388
Log Type: 2



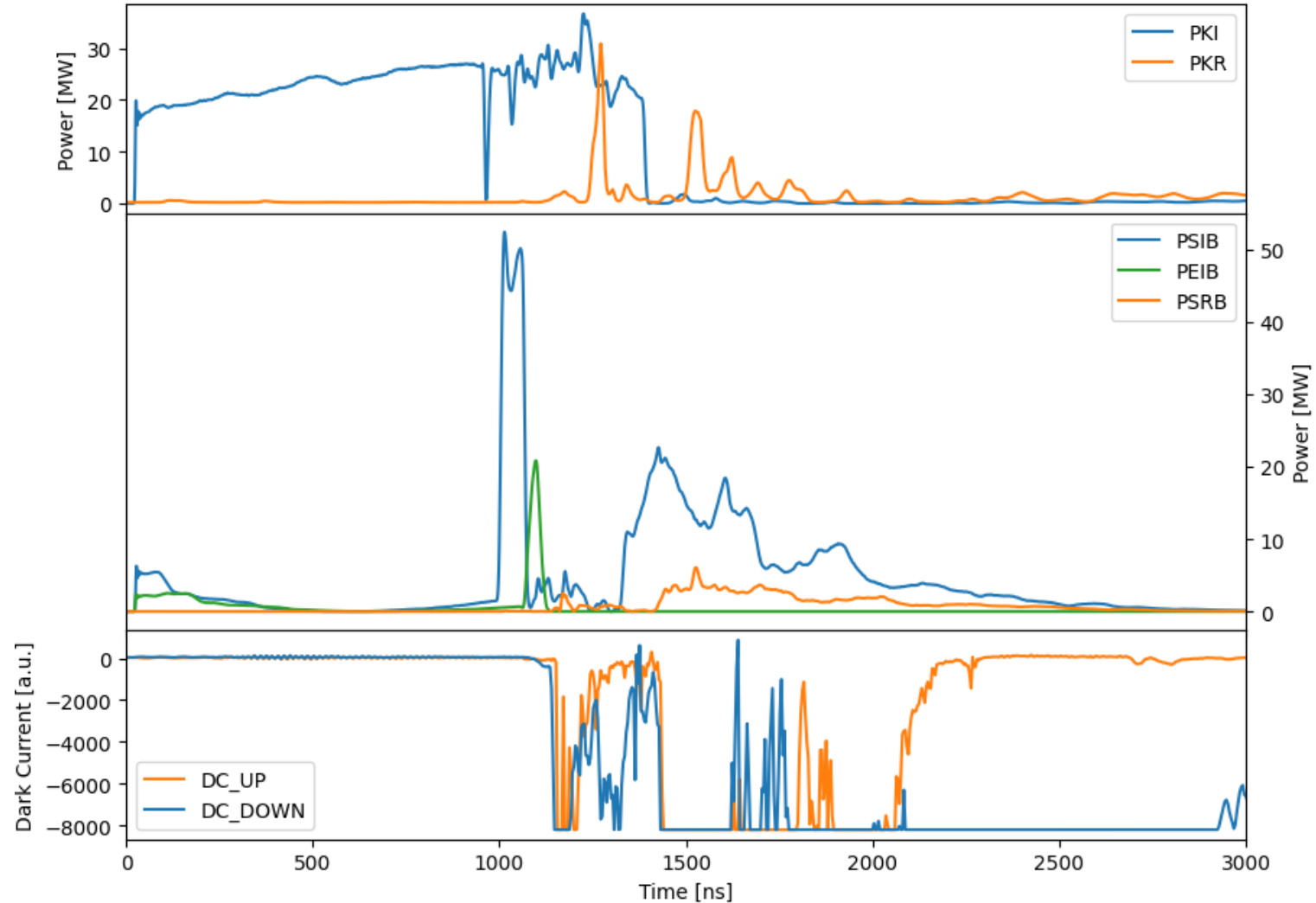
X-Box 2: BD pulse 545436388

Pulse 545436388
Log Type: 2



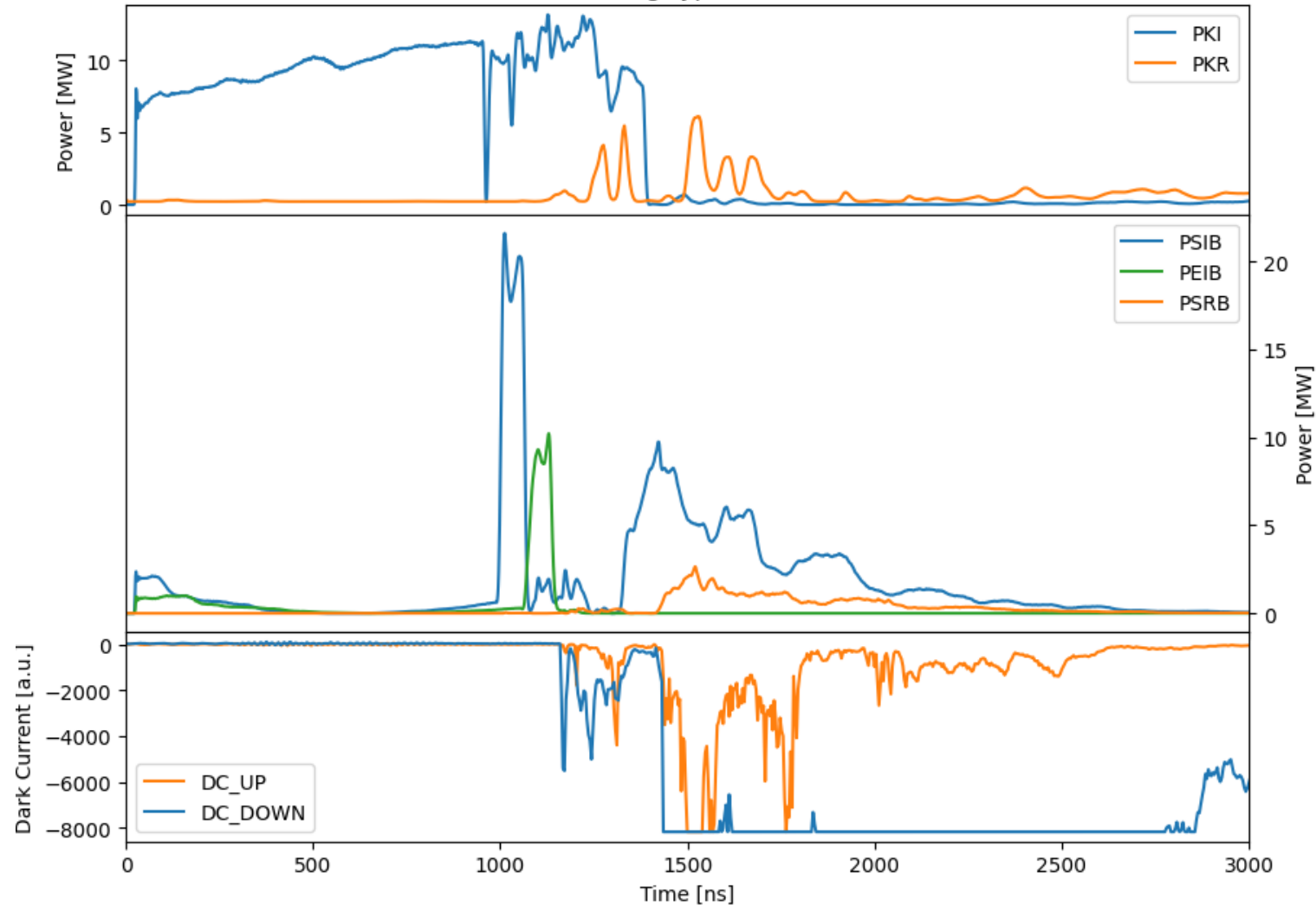
X-Box 2: BD pulse 545506213

Pulse 545506213
Log Type: 2



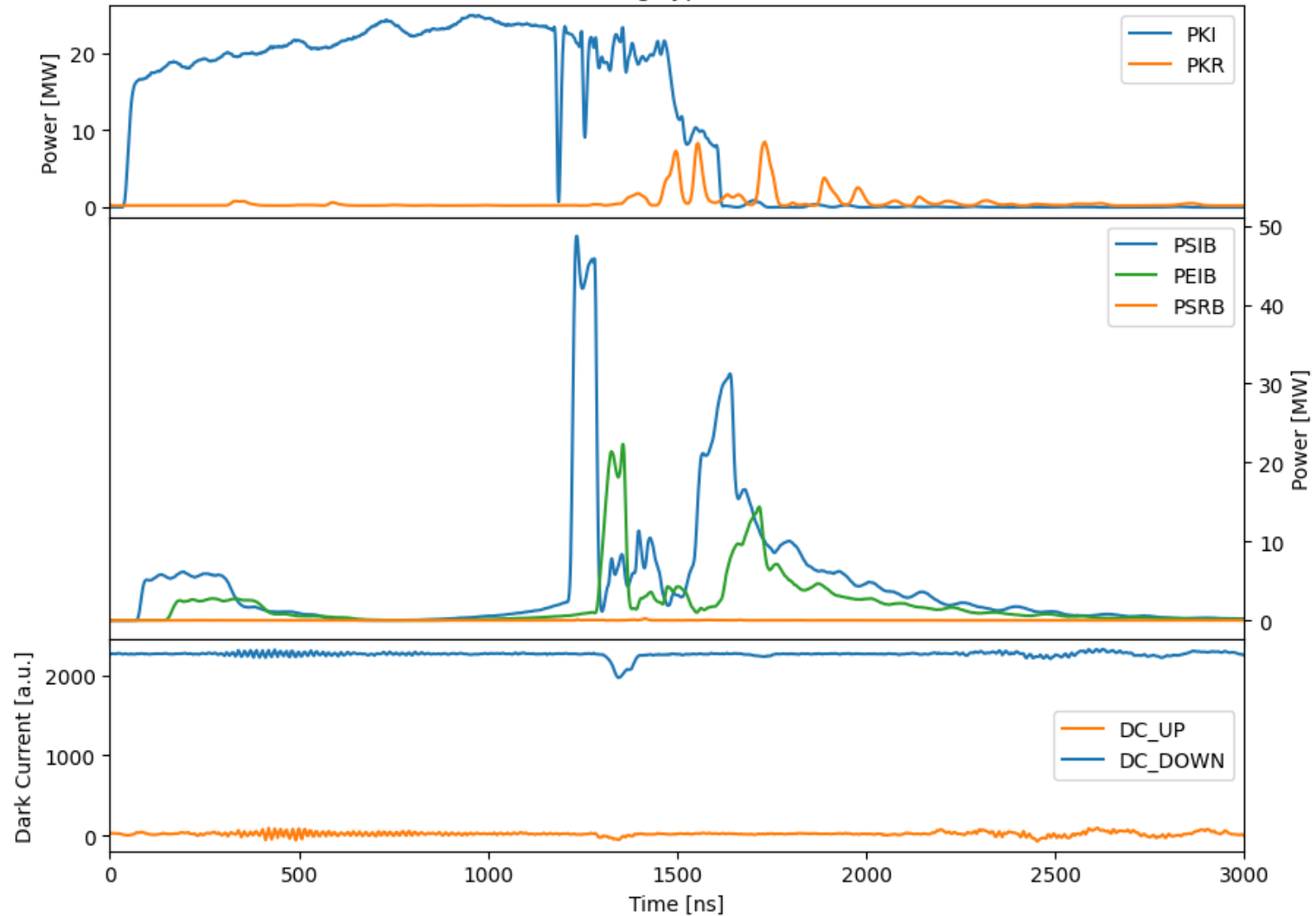
X-Box 2: BD pulse 545506532

Pulse 545506532
Log Type: 2

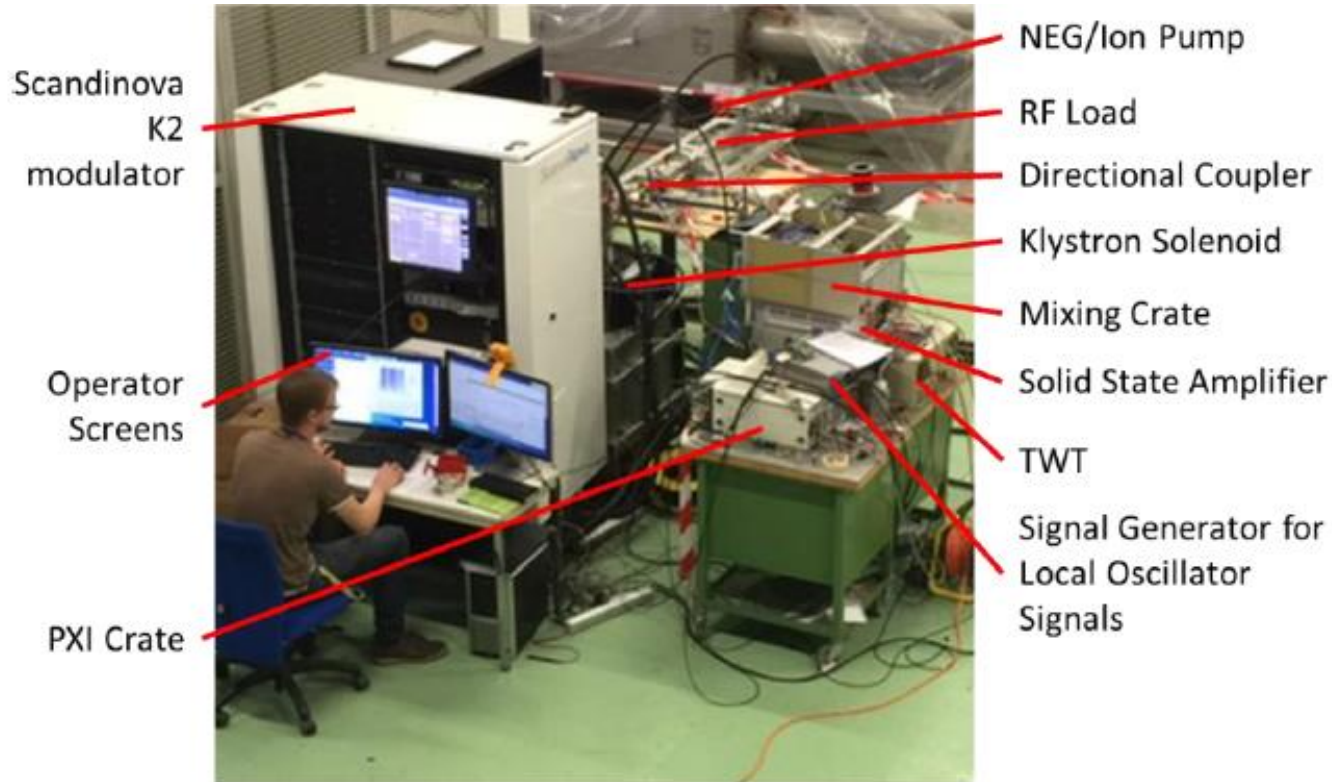


X-Box 2: Zoom of BD pulse

Pulse 532928605
Log Type: 0



X-Box 3: High Efficiency Tubes Characterisation



- Acceptance test of Toshiba klystron (Ben's thesis)
 - PXI crate and specific code for klystron testing
 - Interlock crate
 - Oscilloscope card to acquire HV pulses simultaneously
- Other options: external signal generator
 - Design/assembly of interlock crate design to turn RF off in case of high vacuum and reflected power (Matt)
- Conversations with high precision measurement section
 - Calibration of CVDs



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