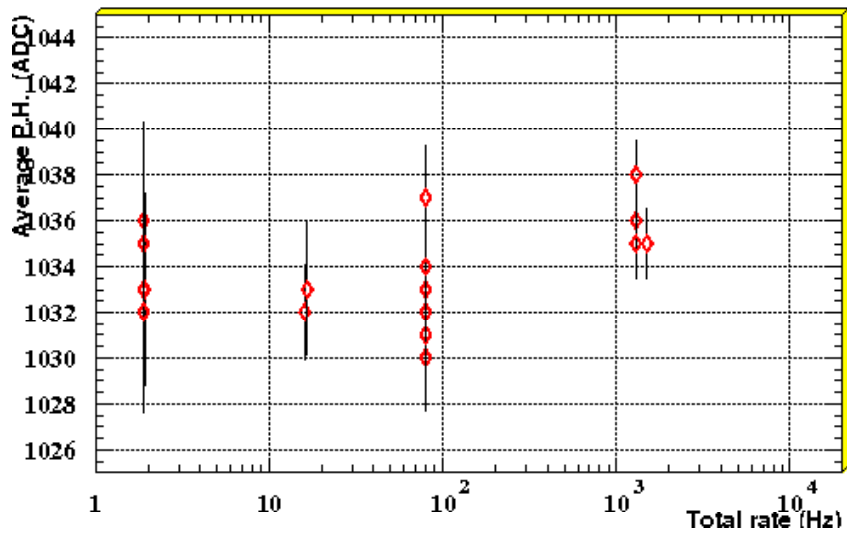


PLT S133: Unirradiated P.H. vs. Total Rate



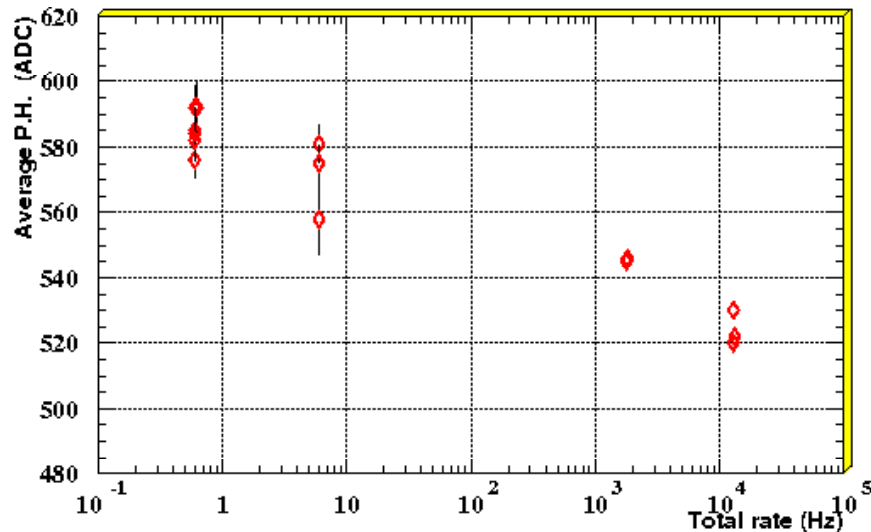
Pulse height constant vs. rate
To better than 1%

Note suppressed vertical scale

Total rate is stopping β + min I

Pulse height has pedestal
subtracted

PLT S39: Proton Irradiated P.H. vs. Total Rate



Pulse height drops with rate
about 10%

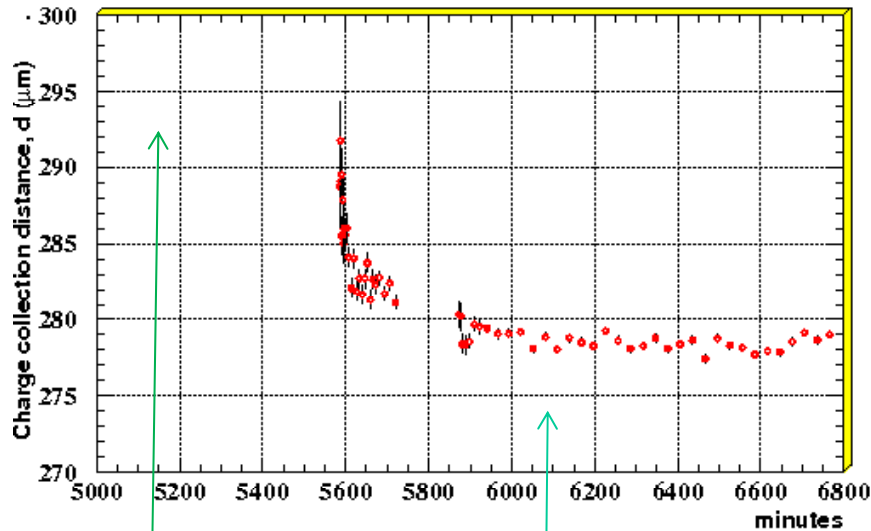
Note suppressed vertical scale

Total rate is stopping β + min I

Pulse height has pedestal
Subtracted

Irradiated at LANL to 1×10^{15}

PLT S39: Proton Irradiated P.H. drop with time



Min_I rate: ~80Hz

Min_I rate: ~1 KHz for several days to pump

Pulse height drops with rate about 5% in 300 minutes

Consistent with de-pumping of shallow traps

Do not see this with unirradiated sample

Note suppressed vertical scale

Irradiated at LANL to 1×10^{15}