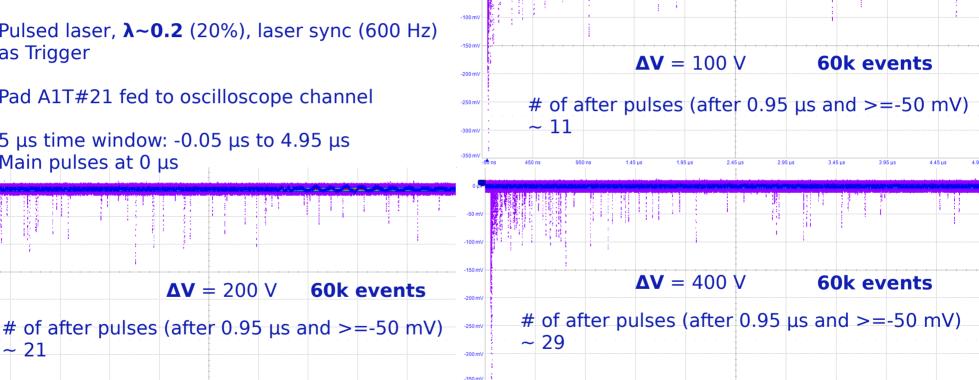
After pulses vs. ΔV between the two MCPs

- After Pulses (APs):
- Signals due to IBF
 - Signals with us delays

- $200-700-\Delta V-700-200 \text{ V } (\Delta V = \text{bias between})$ two MCPs)
- Pulsed laser, λ~0.2 (20%), laser sync (600 Hz) as Trigger

 $\Delta V = 200 \text{ V}$

- Pad A1T#21 fed to oscilloscope channel
- 5 μ s time window: -0.05 μ s to 4.95 μ s
- Main pulses at 0 us



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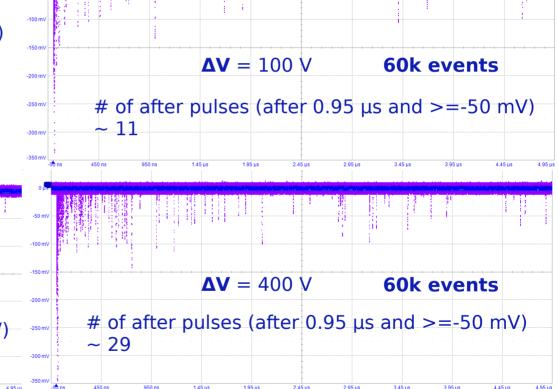
3 different sets show the same result

60k events

After pulses vs. ΔV between the two MCPs

- After Pulses (APs):
- Signals due to IBF
- Signals with us delays

- $200-700-\Delta V-700-200 \text{ V } (\Delta V = \text{bias between})$ two MCPs)
- Pulsed laser, λ~0.2 (20%), laser sync (600 Hz) as Trigger
- Pad A1T#21 fed to oscilloscope channel
- 5 μ s time window: -0.05 μ s to 4.95 μ s
- Main pulses at 0 us



 $\Delta V = 200 \text{ V}$ 60k events # of after pulses (after 0.95 μ s and >=-50 mV)

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of APs increases with higher ΔV between two MCPs \rightarrow lons coming from the Exit MCP to the Photocathode are NOT negligible