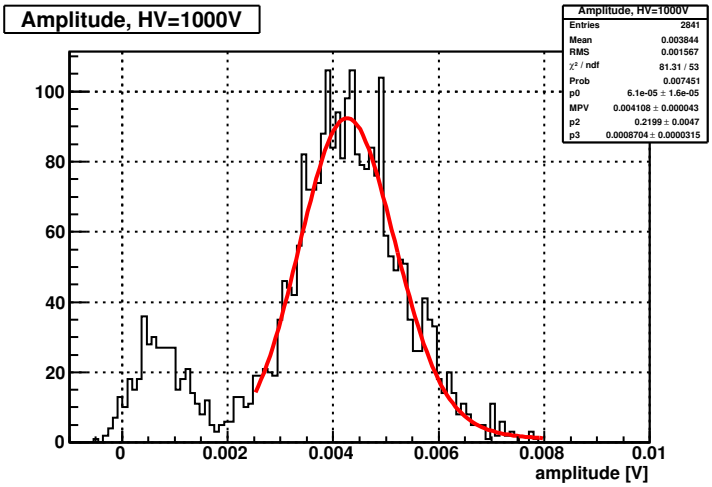
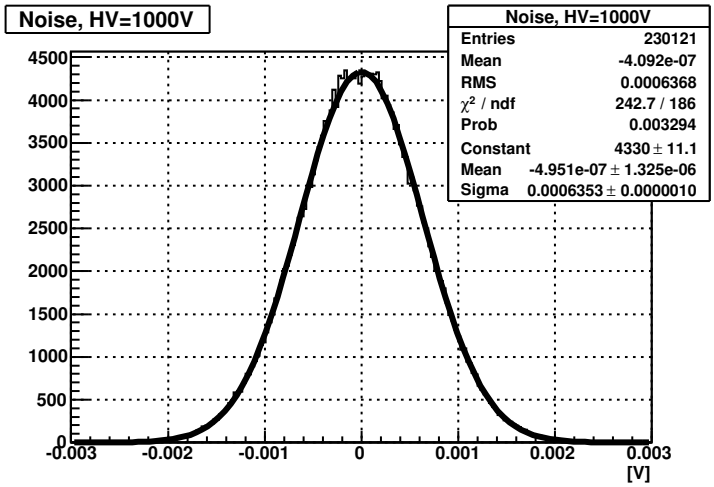
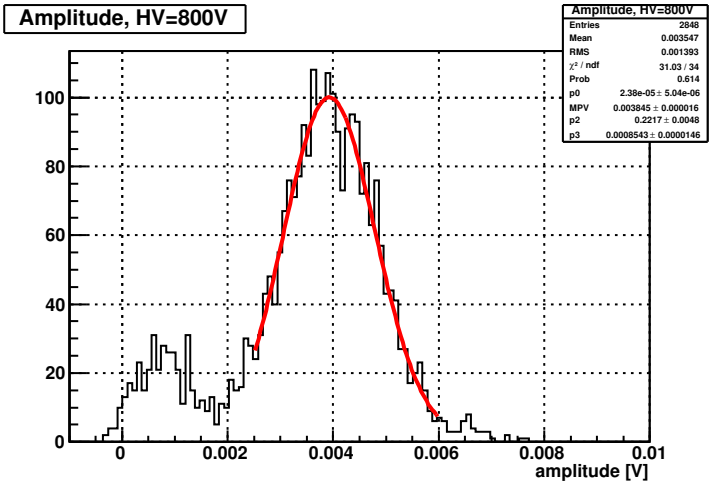
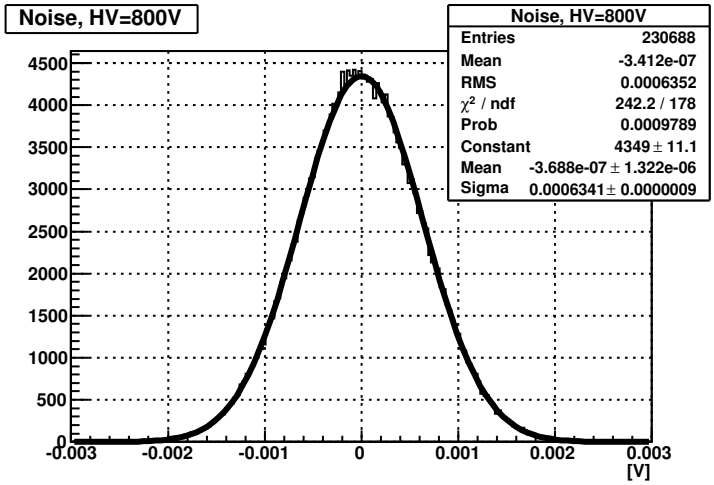
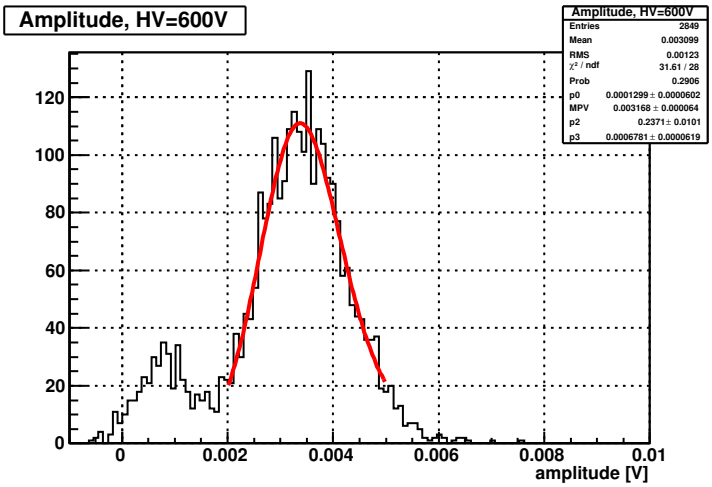
Fotec Box 402 (A230-10 and A230-08), Measurement 2

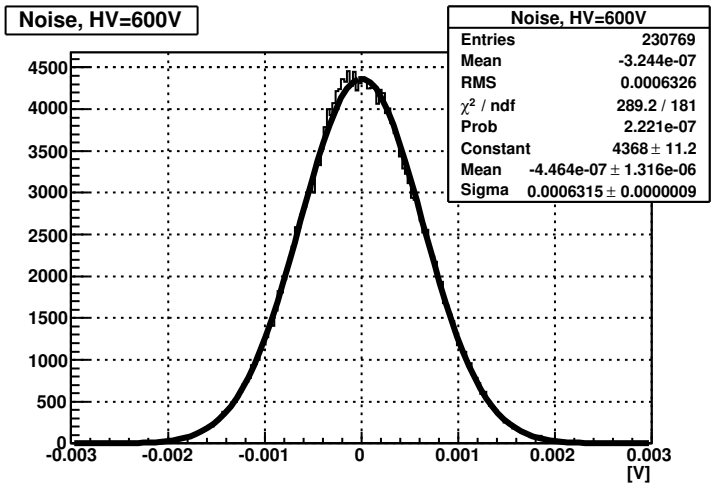


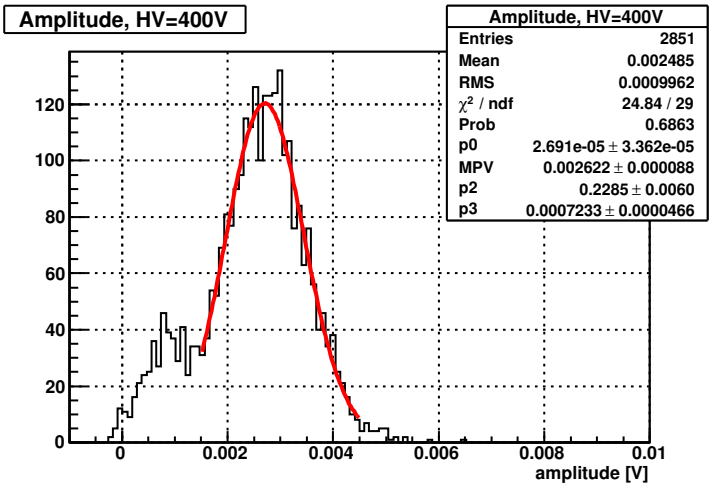


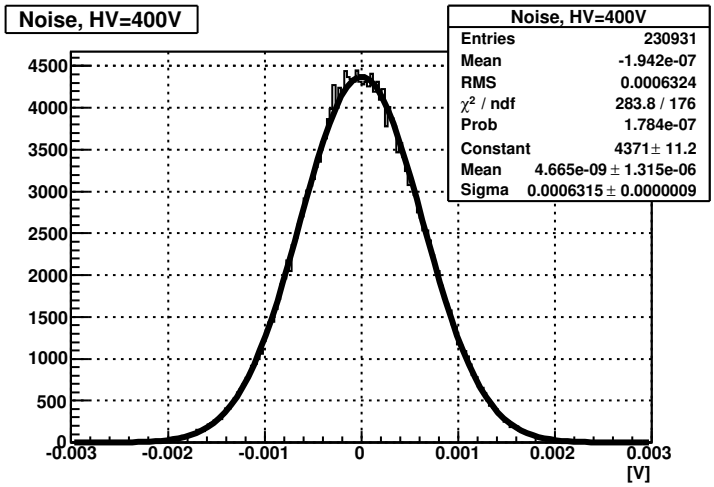


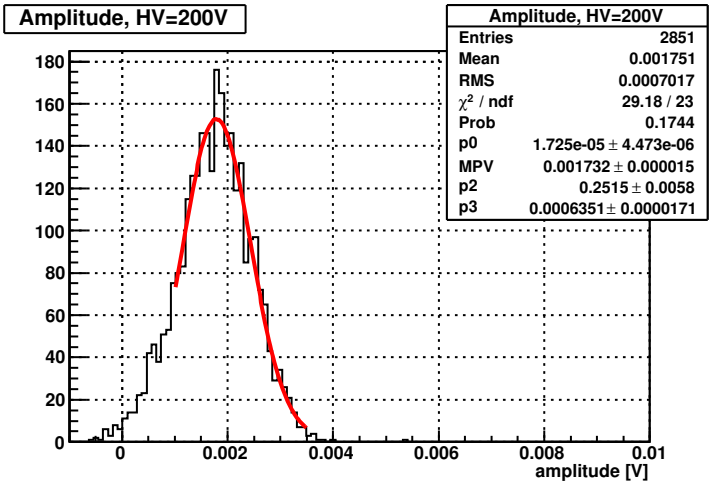


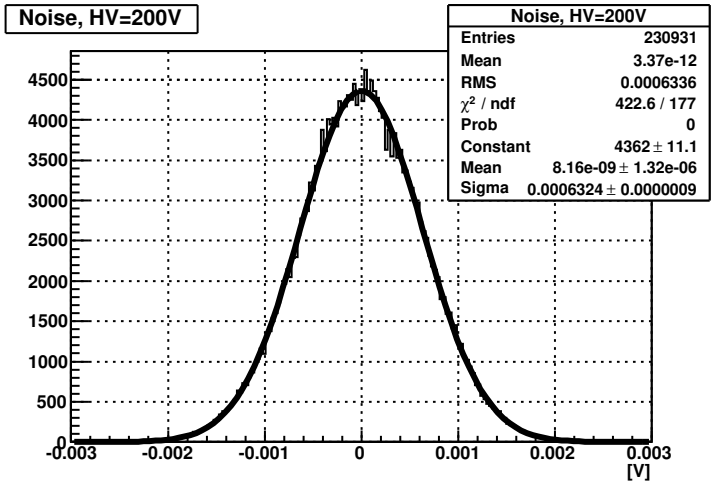


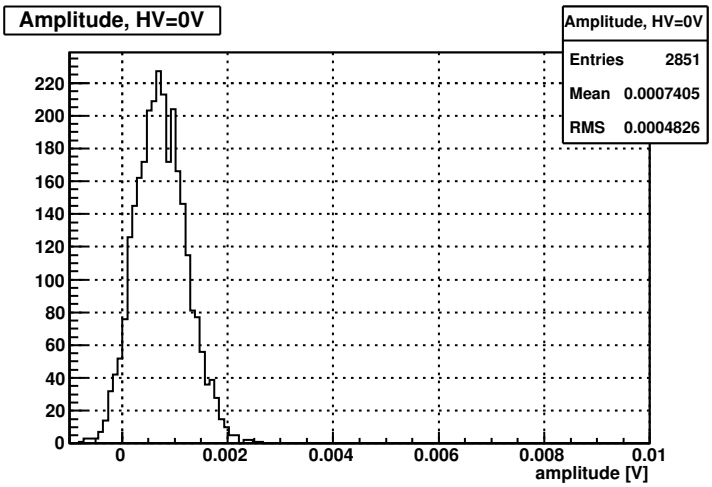


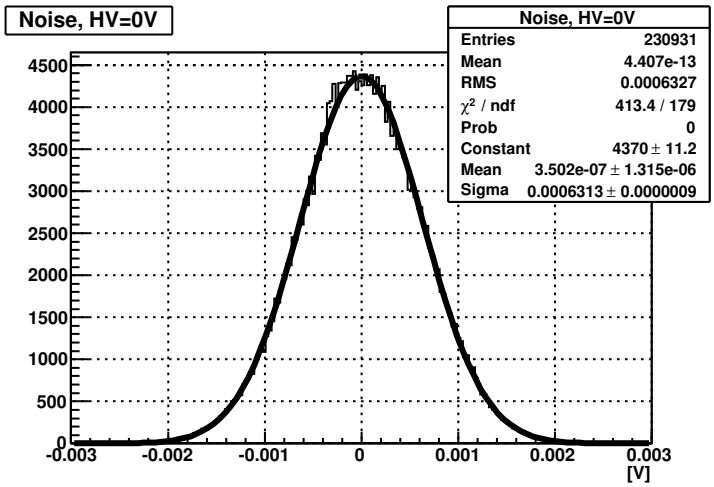

Amplitude, HV=400V
Amplitude, HV=400V
Entries 2851
Mean 0.002485
RMS 0.0009962
χ² / ndf 24.84 / 29
Prob 0.6863
p0 2.691e-05 ± 3.362e-05
MPV 0.002622 ± 0.000088
p2 0.2285 ± 0.0060
p3 0.0007233 ± 0.0000466
amplitude [V]


Noise, HV=400V
Noise, HV=400V
Entries 230931
Mean -1.942e-07
RMS 0.0006324
χ² / ndf 283.8 / 176
Prob 1.784e-07
Constant 4371 ± 11.2
Mean 4.665e-09 ± 1.315e-06
Sigma 0.0006315 ± 0.0000009
[V]

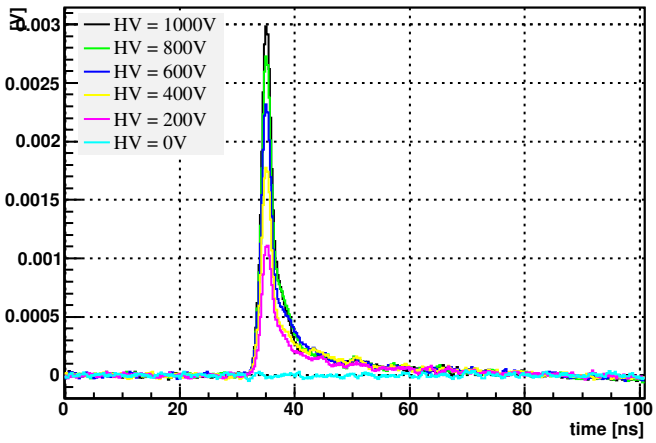

Amplitude, HV=200V
Amplitude, HV=200V
Entries 2851
Mean 0.001751
RMS 0.0007017
χ² / ndf 29.18 / 23
Prob 0.1744
p0 1.725e-05 ± 4.473e-06
MPV 0.001732 ± 0.000015
p2 0.2515 ± 0.0058
p3 0.0006351 ± 0.0000171
amplitude [V]

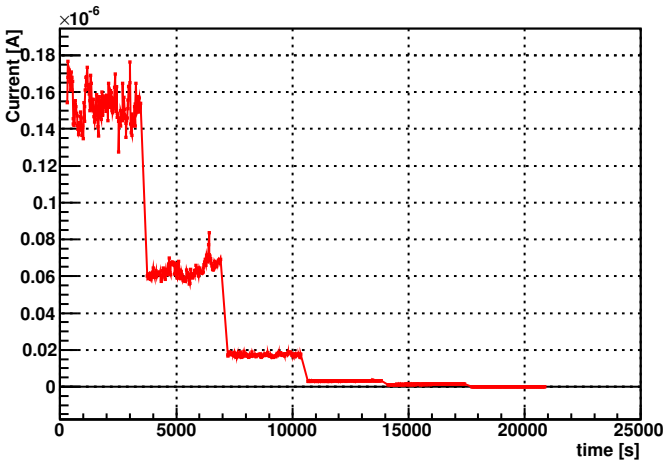

Noise, HV=200V
Noise, HV=200V
Entries 230931
Mean 3.37e-12
RMS 0.0006336
χ² / ndf 422.6 / 177
Prob 0
Constant 4362 ± 11.1
Mean 8.16e-09 ± 1.32e-06
Sigma 0.0006324 ± 0.0000009
[V]


Amplitude, HV=0V
Amplitude, HV=0V
Entries 2851
Mean 0.0007405
RMS 0.0004826
amplitude [V]

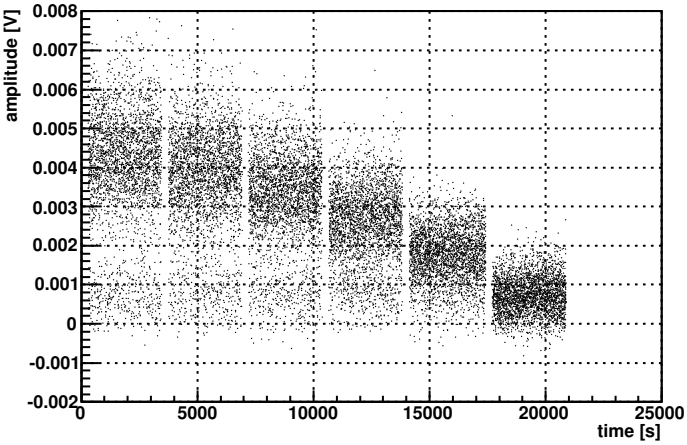

Noise, HV=0V
Noise, HV=0V
Entries 230931
Mean 4.407e-13
RMS 0.0006327
χ² / ndf 413.4 / 179
Prob 0
Constant 4370 ± 11.2
Mean 3.502e-07 ± 1.315e-06
Sigma 0.0006313 ± 0.0000009
[V]

Average event

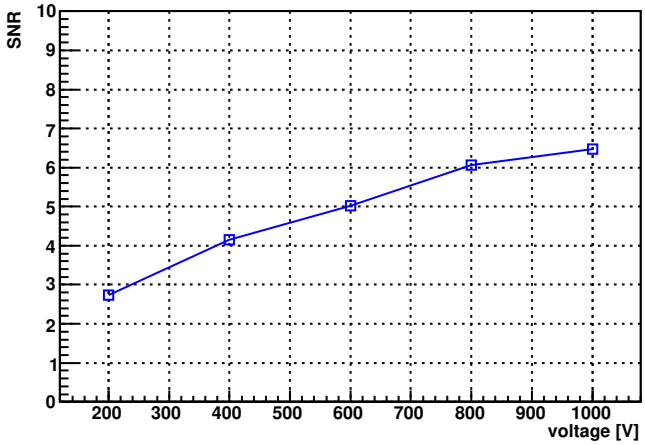


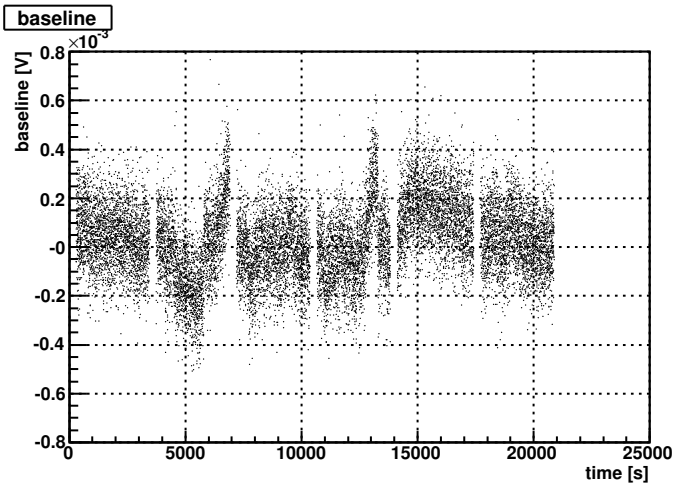


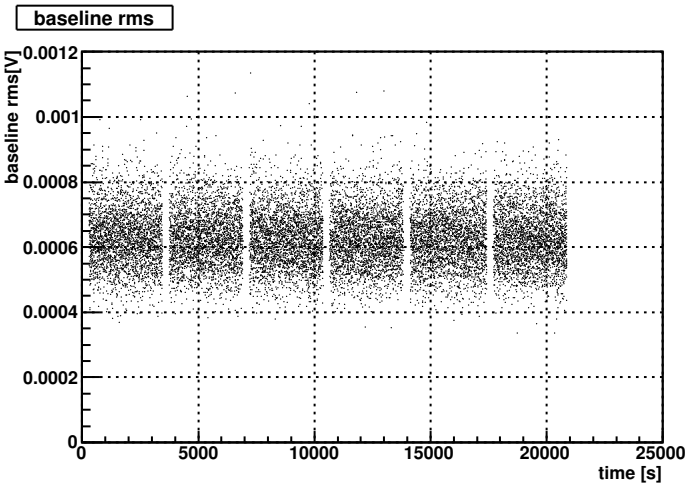
amplitudes

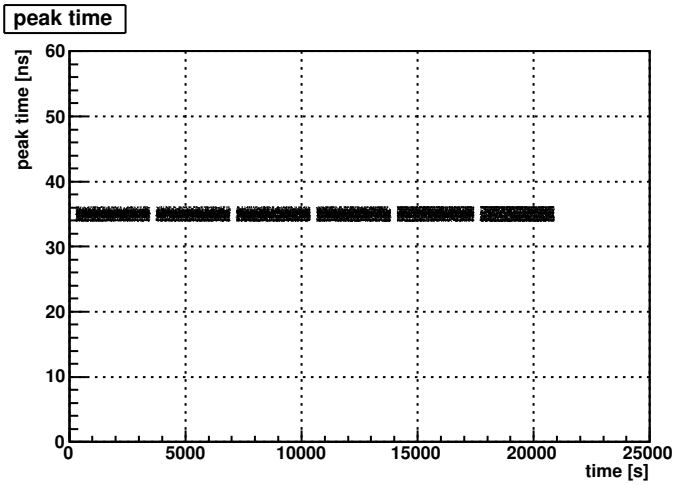


Signal to noise




baseline
×10⁻³
baseline [V]
time [s]


baseline rms
baseline rms[V]
time [s]


peak time
peak time [ns]
time [s]

Data File = SP_050912143958_Fotec402-A230-08_A230-10-measurement2.xls
Upper Diamond = A230-08, $\sim 500 \mu m$ thick, Au metailzation
Lower Diamond = A230-10, $\sim 500 \mu m$ thick, Au metailzation