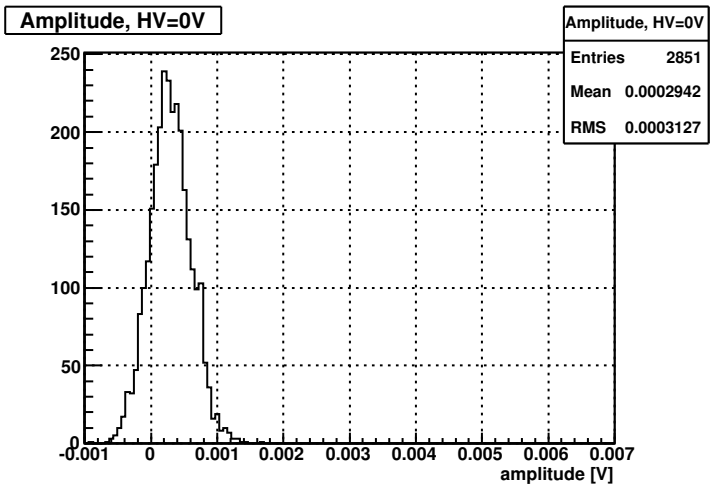
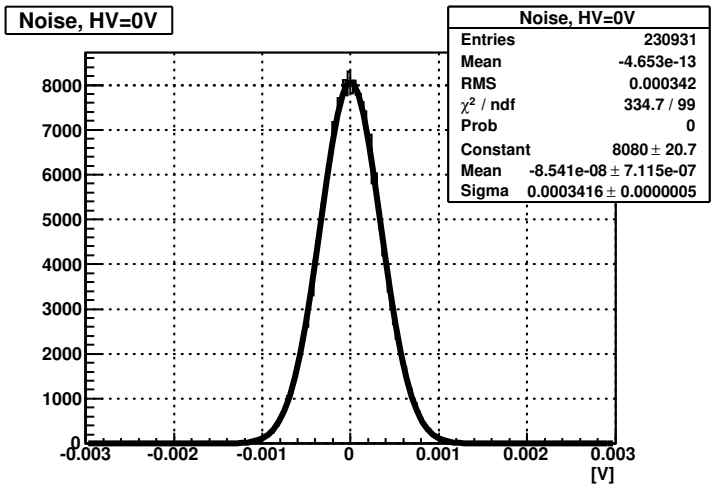
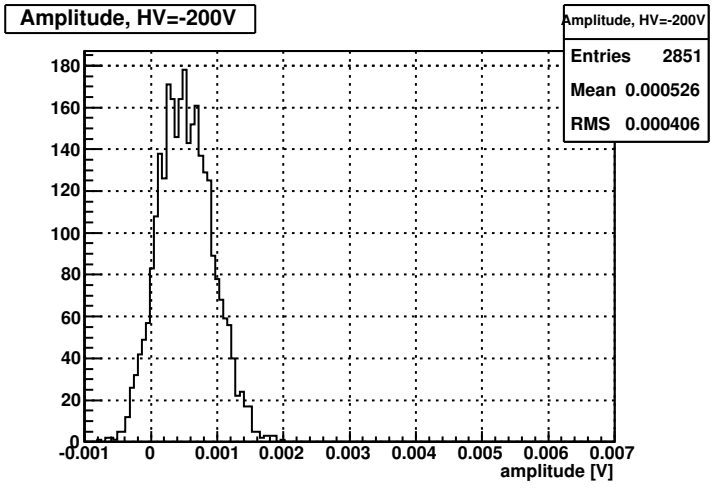
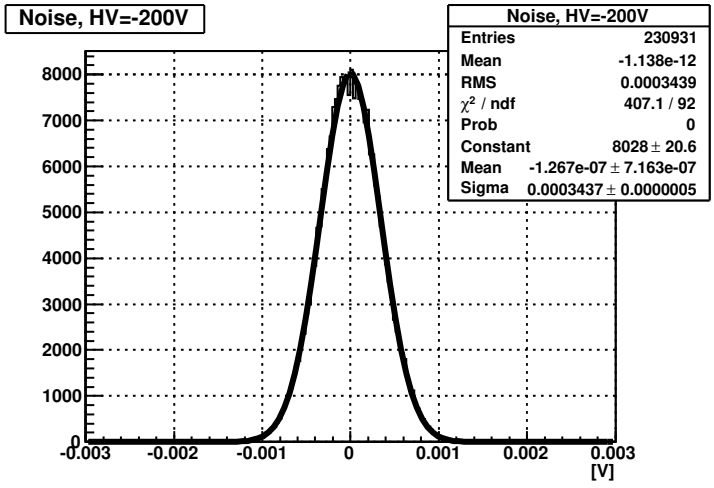
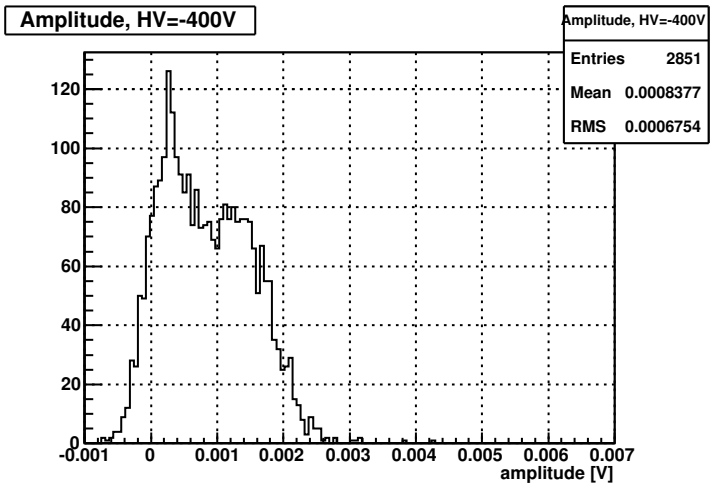
Fotec Box 407, (A382-15 and A382-12), Measurement 3 (BWL 200MHz)

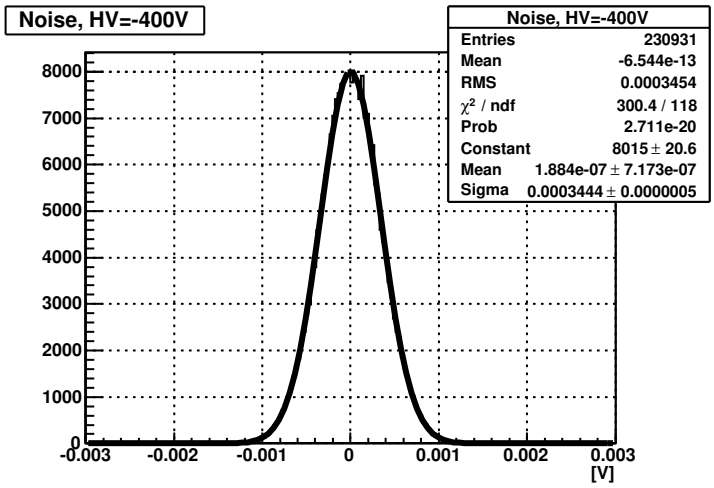


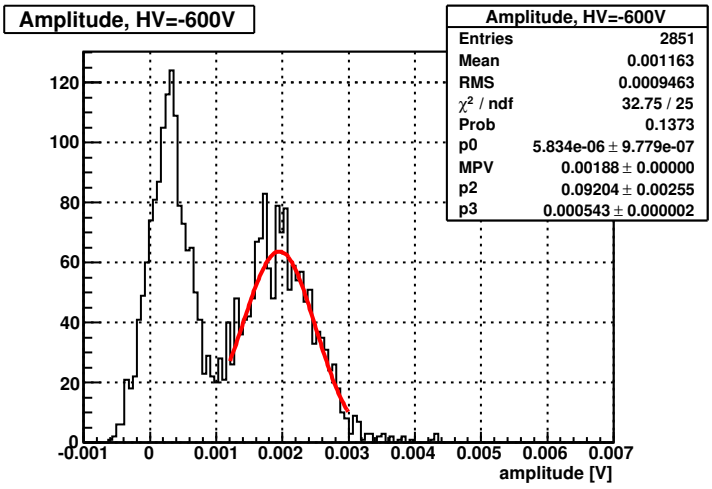


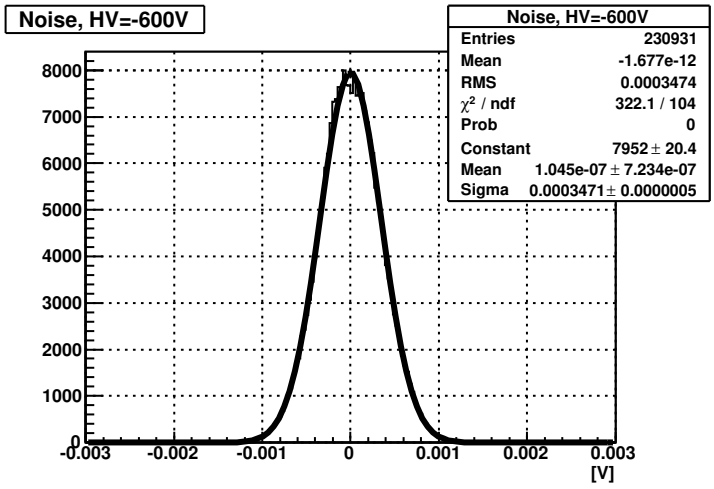


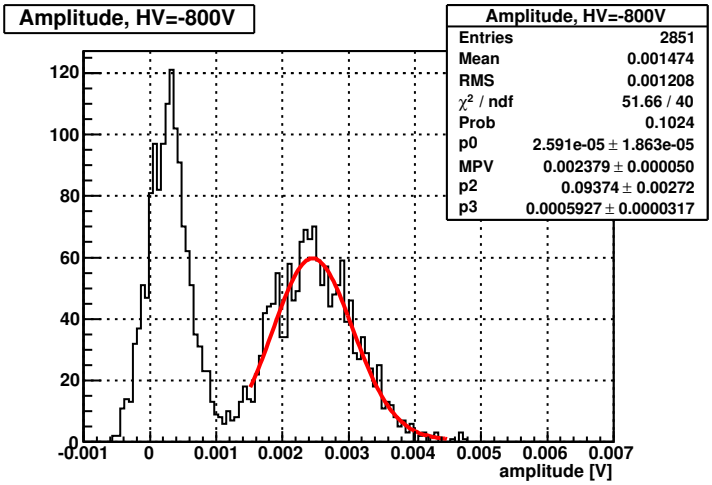


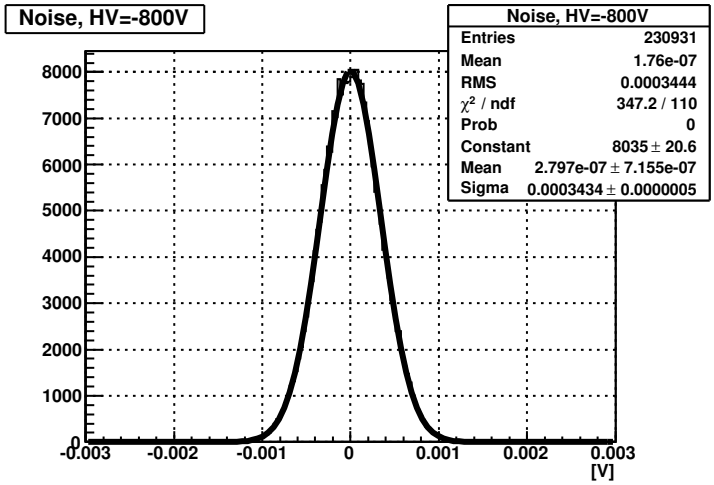


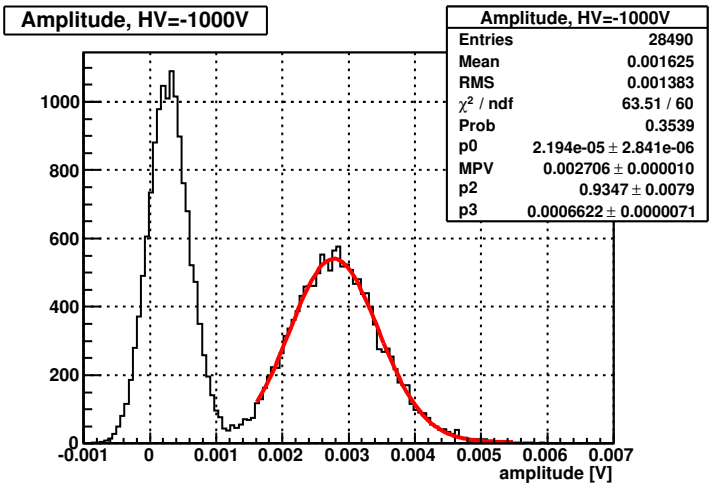


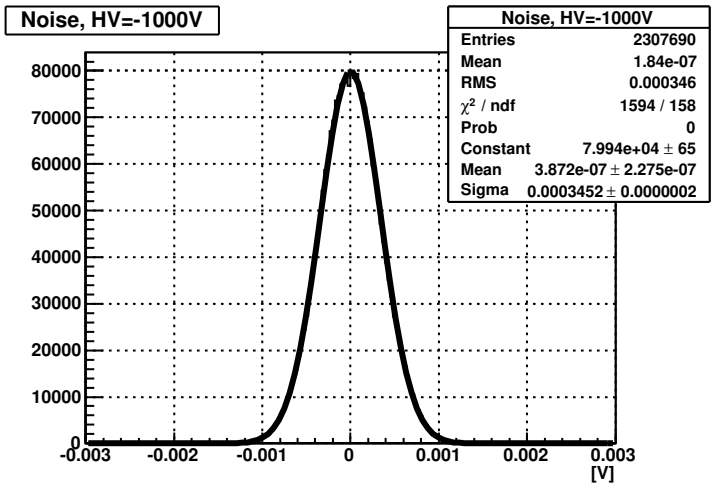

Amplitude, HV=-600V
Amplitude, HV=-600V
Entries 2851
Mean 0.001163
RMS 0.0009463
χ² / ndf 32.75 / 25
Prob 0.1373
p0 5.834e-06 ± 9.779e-07
MPV 0.00188 ± 0.00000
p2 0.09204 ± 0.00255
p3 0.000543 ± 0.000002
amplitude [V]


Noise, HV=-600V
Noise, HV=-600V
Entries 230931
Mean -1.677e-12
RMS 0.0003474
χ² / ndf 322.1 / 104
Prob 0
Constant 7952 ± 20.4
Mean 1.045e-07 ± 7.234e-07
Sigma 0.0003471 ± 0.0000005
[V]

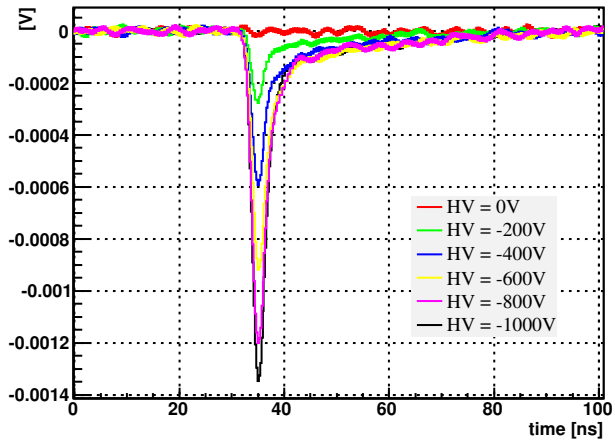

Amplitude, HV=-800V
Amplitude, HV=-800V
Entries 2851
Mean 0.001474
RMS 0.001208
χ² / ndf 51.66 / 40
Prob 0.1024
p0 2.591e-05 ± 1.863e-05
MPV 0.002379 ± 0.000050
p2 0.09374 ± 0.00272
p3 0.0005927 ± 0.0000317
amplitude [V]

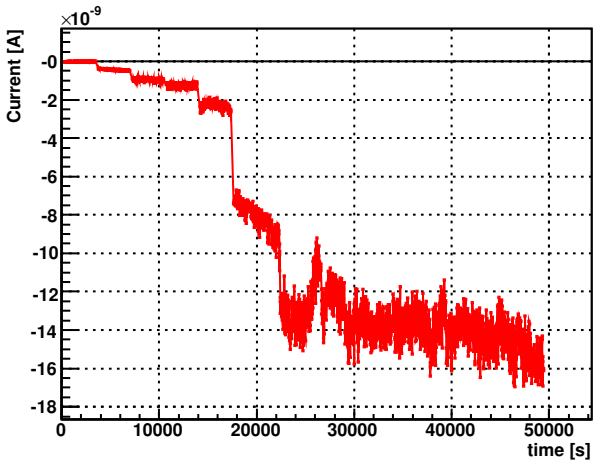

Noise, HV=-800V
Noise, HV=-800V
Entries 230931
Mean 1.76e-07
RMS 0.0003444
χ² / ndf 347.2 / 110
Prob 0
Constant 8035 ± 20.6
Mean 2.797e-07 ± 7.155e-07
Sigma 0.0003434 ± 0.0000005
[V]


Amplitude, HV=-1000V
Amplitude, HV=-1000V
Entries 28490
Mean 0.001625
RMS 0.001383
χ² / ndf 63.51 / 60
Prob 0.3539
p0 2.194e-05 ± 2.841e-06
MPV 0.002706 ± 0.000010
p2 0.9347 ± 0.0079
p3 0.0006622 ± 0.0000071
amplitude [V]

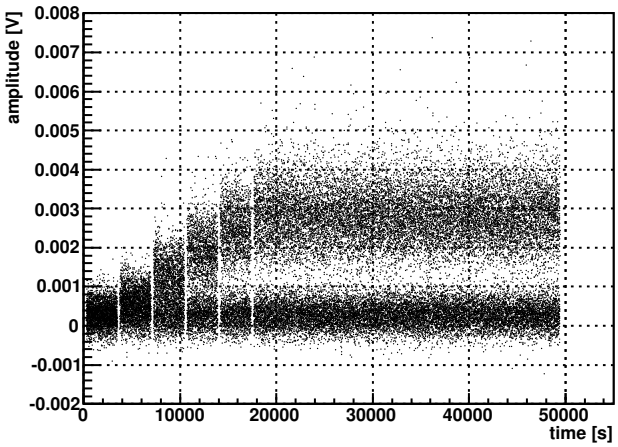

Noise, HV=-1000V
Noise, HV=-1000V
Entries 2307690
Mean 1.84e-07
RMS 0.000346
χ² / ndf 1594 / 158
Prob 0
Constant 7.994e+04 ± 65
Mean 3.872e-07 ± 2.275e-07
Sigma 0.0003452 ± 0.0000002
[V]

Average event

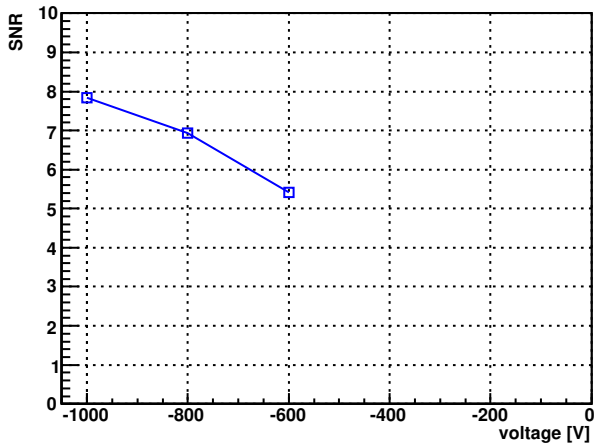




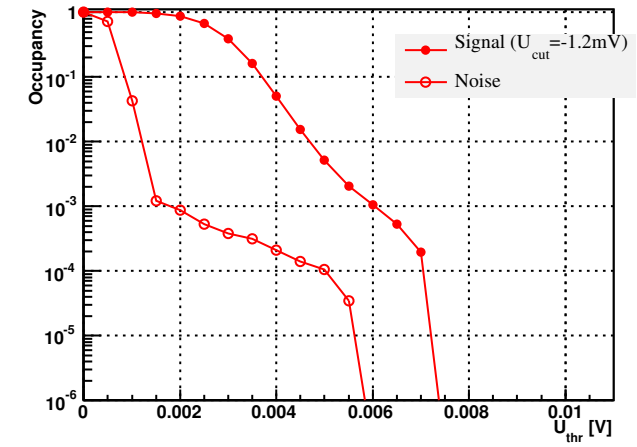
amplitudes



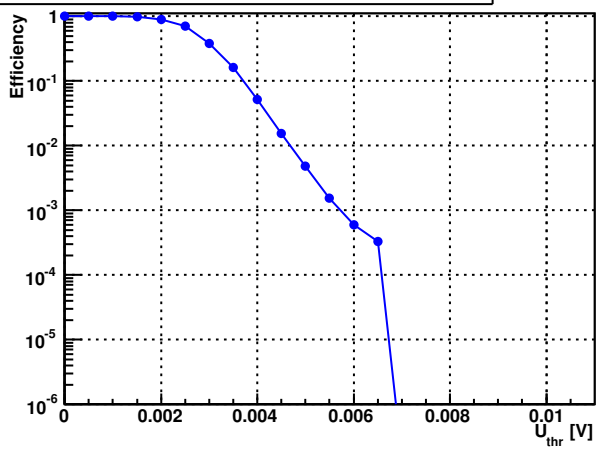
Signal to noise

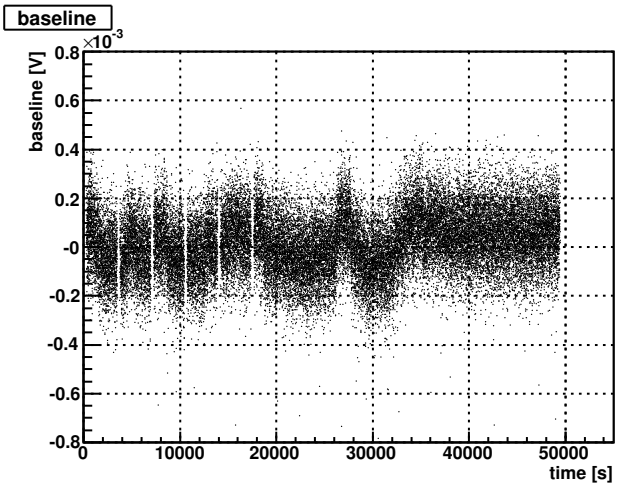


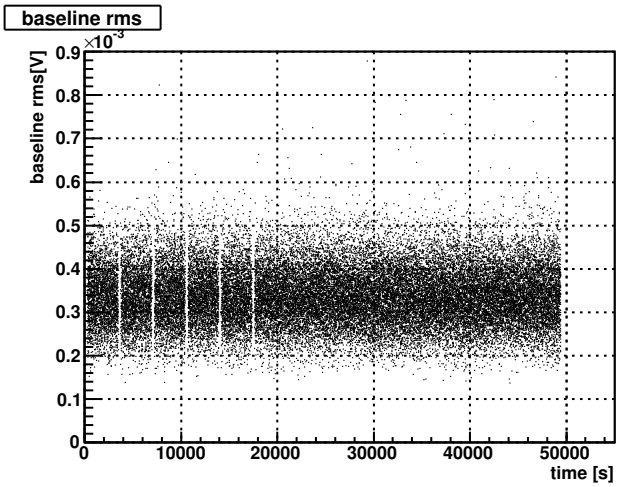
Occupancy vs Threshold, HV=-1000V

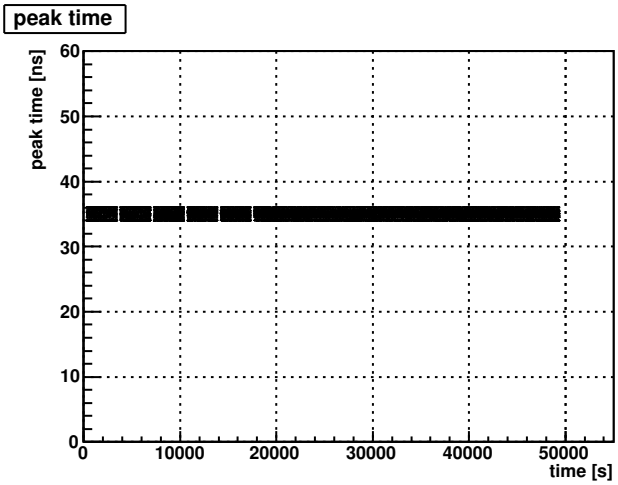


Efficiency vs Threshold, HV=1000V, U_{cut}=-1.2mV




baseline
×10⁻³
baseline [V]
time [s]


baseline rms
×10⁻³
baseline rms[V]
time [s]


peak time
peak time [ns]
time [s]

Data File = SP_060321100016_Fotec407_A382-15_A382-12_Measurement3.xls
Upper Diamond = A382-15
Lower Diamond = A382-12
Maček ceramic Ass. #2