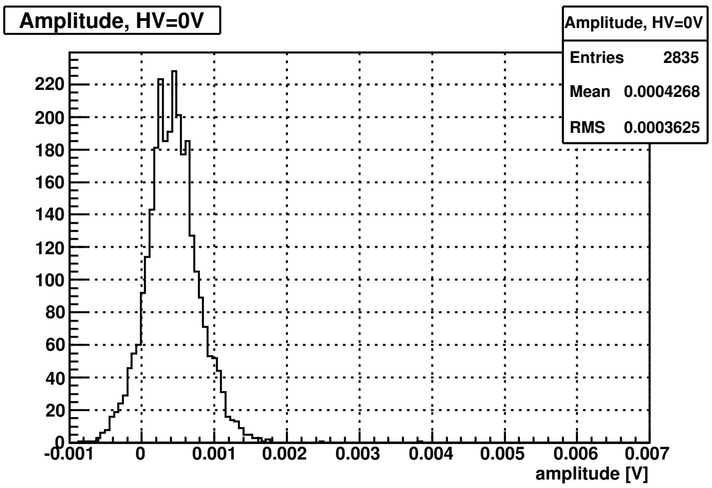
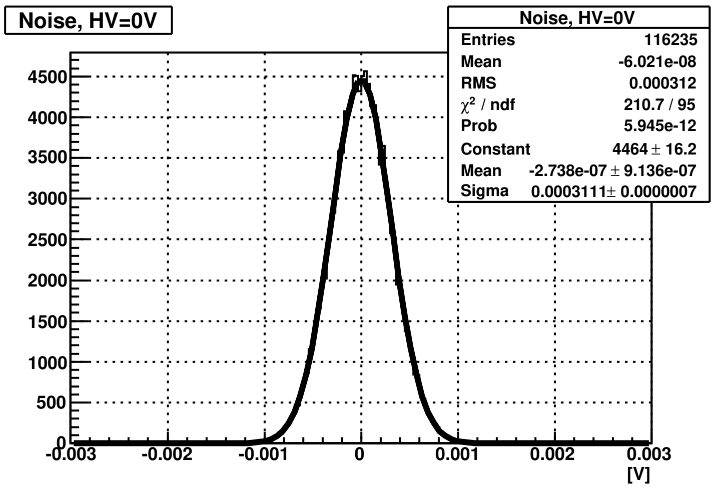
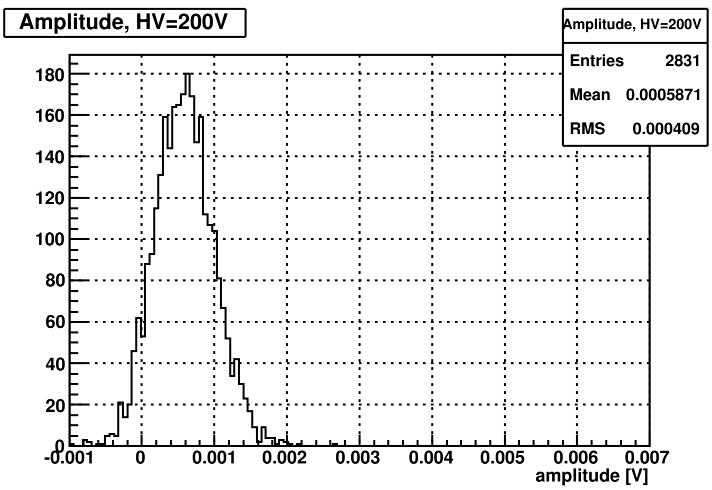
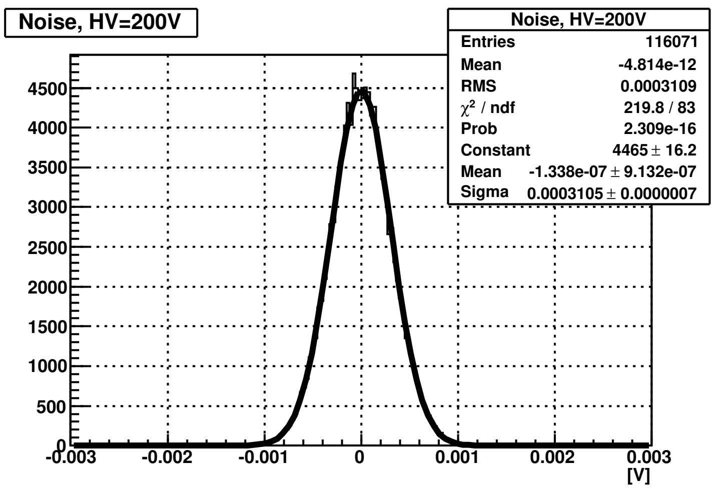
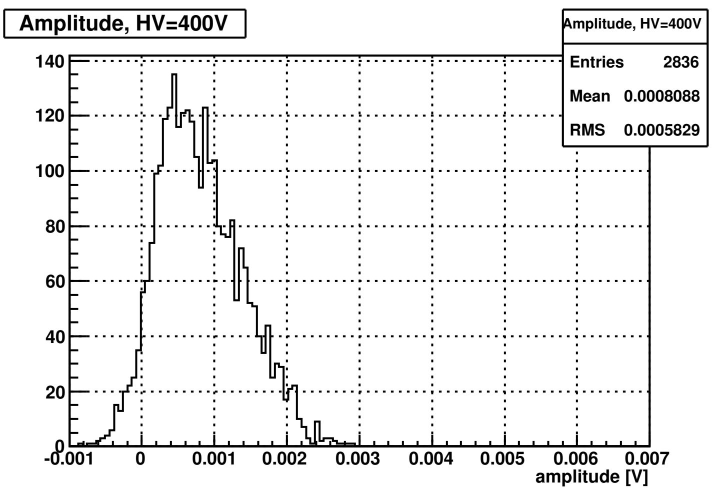
Fotec Box 408, (A382-11 and A382-8), Measurement 1 (BWL 200MHz)

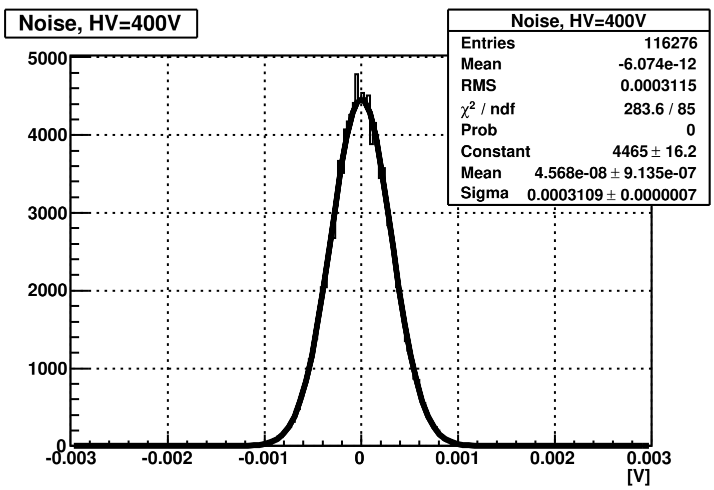


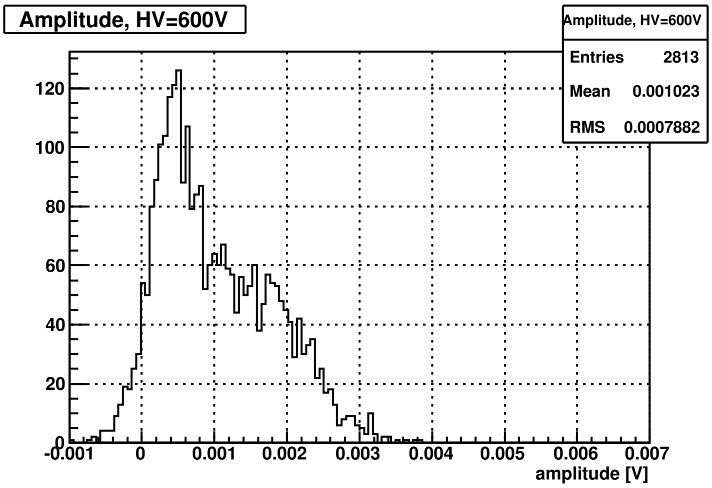


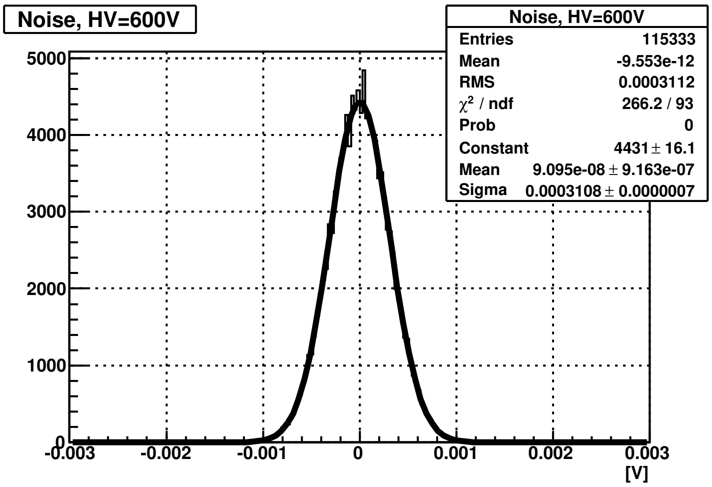


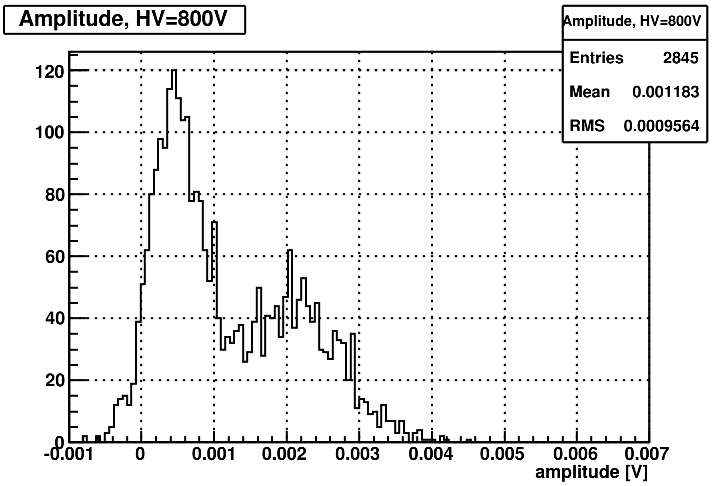


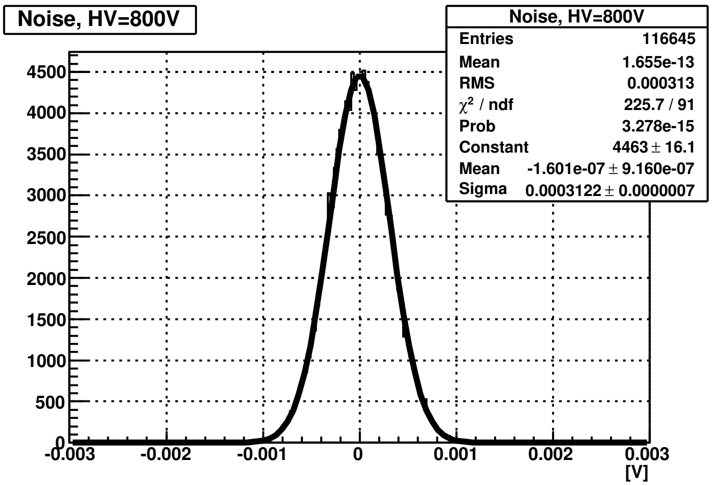


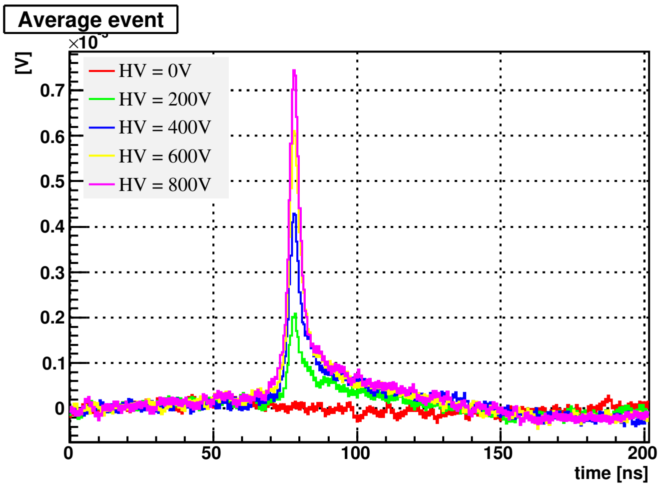


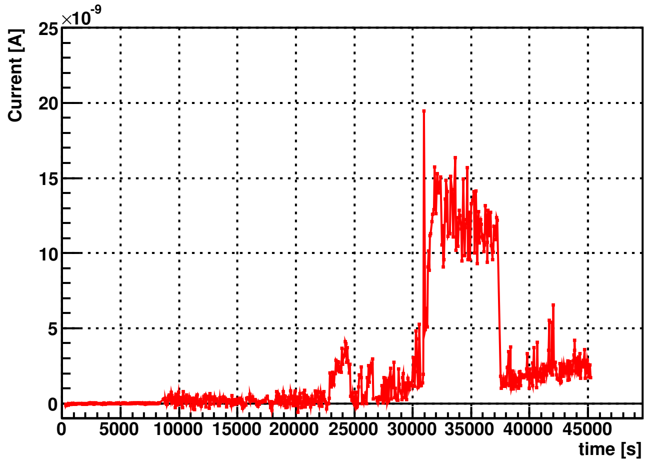

Amplitude, HV=600V
Amplitude, HV=600V
Entries 2813
Mean 0.001023
RMS 0.0007882
amplitude [V]

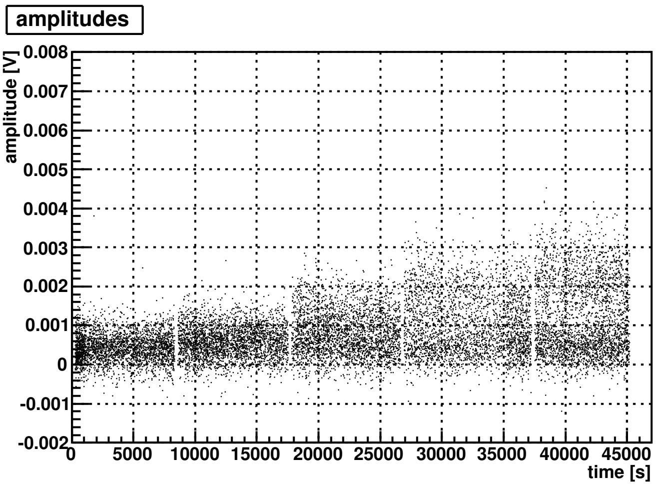

Noise, HV=600V
Noise, HV=600V
Entries 115333
Mean -9.553e-12
RMS 0.0003112
χ^2 / ndf 266.2 / 93
Prob 0
Constant 4431 ± 16.1
Mean 9.095e-08 ± 9.163e-07
Sigma 0.0003108 ± 0.0000007
[V]

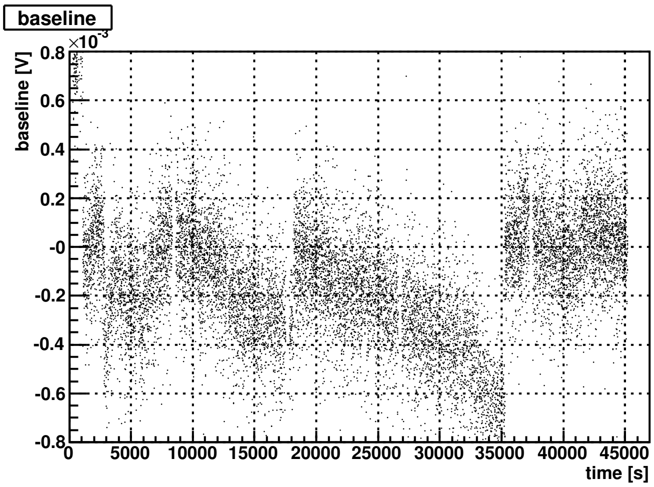

Amplitude, HV=800V
Amplitude, HV=800V
Entries 2845
Mean 0.001183
RMS 0.0009564
amplitude [V]

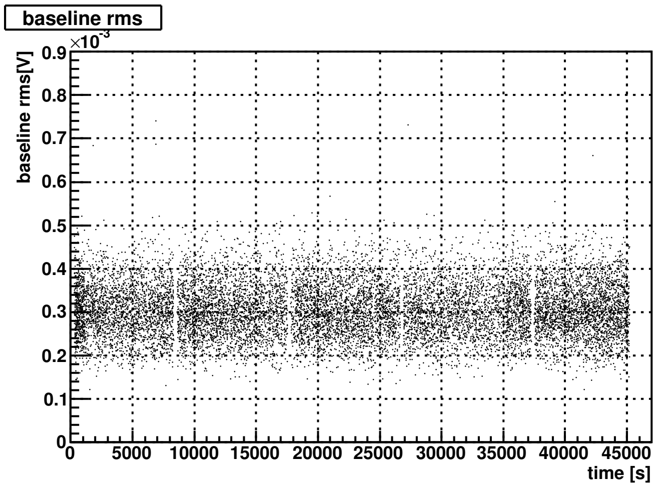

Noise, HV=800V
Noise, HV=800V
Entries 116645
Mean 1.655e-13
RMS 0.000313
χ^2 / ndf 225.7 / 91
Prob 3.278e-15
Constant 4463 ± 16.1
Mean -1.601e-07 ± 9.160e-07
Sigma 0.0003122 ± 0.0000007
[V]

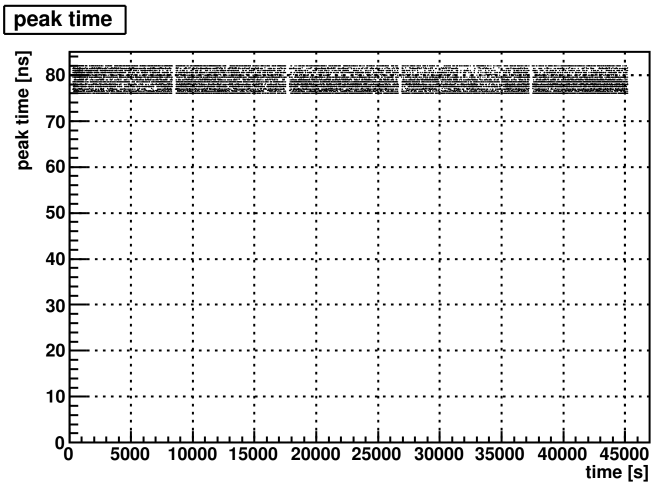

Average event
[V]
×10⁻³
HV = 0V
HV = 200V
HV = 400V
HV = 600V
HV = 800V
time [ns]


Current [A]
×10⁻⁹
time [s]


amplitudes
amplitude [V]
time [s]


baseline
baseline [V]
×10^-3
0.8
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
time [s]


baseline rms
baseline rms[V]
×10^-3
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
time [s]


peak time
peak time [ns]
80
70
60
50
40
30
20
10
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
time [s]

Data File = /SP_060329154405_Fotec408_A382-11_A382-8_NoMagnet-vertical.xls
Upper Diamond = A382-11
Lower Diamond = A382-8
Maček ceramic Ass. #1
Magnetic field was turned off before the measurement started. Setup stayed the same as with measurement SP_060328175027_Fotec408_A382-11_A382-8_Magnet-vertical.xls, where the magnetic filed was on.