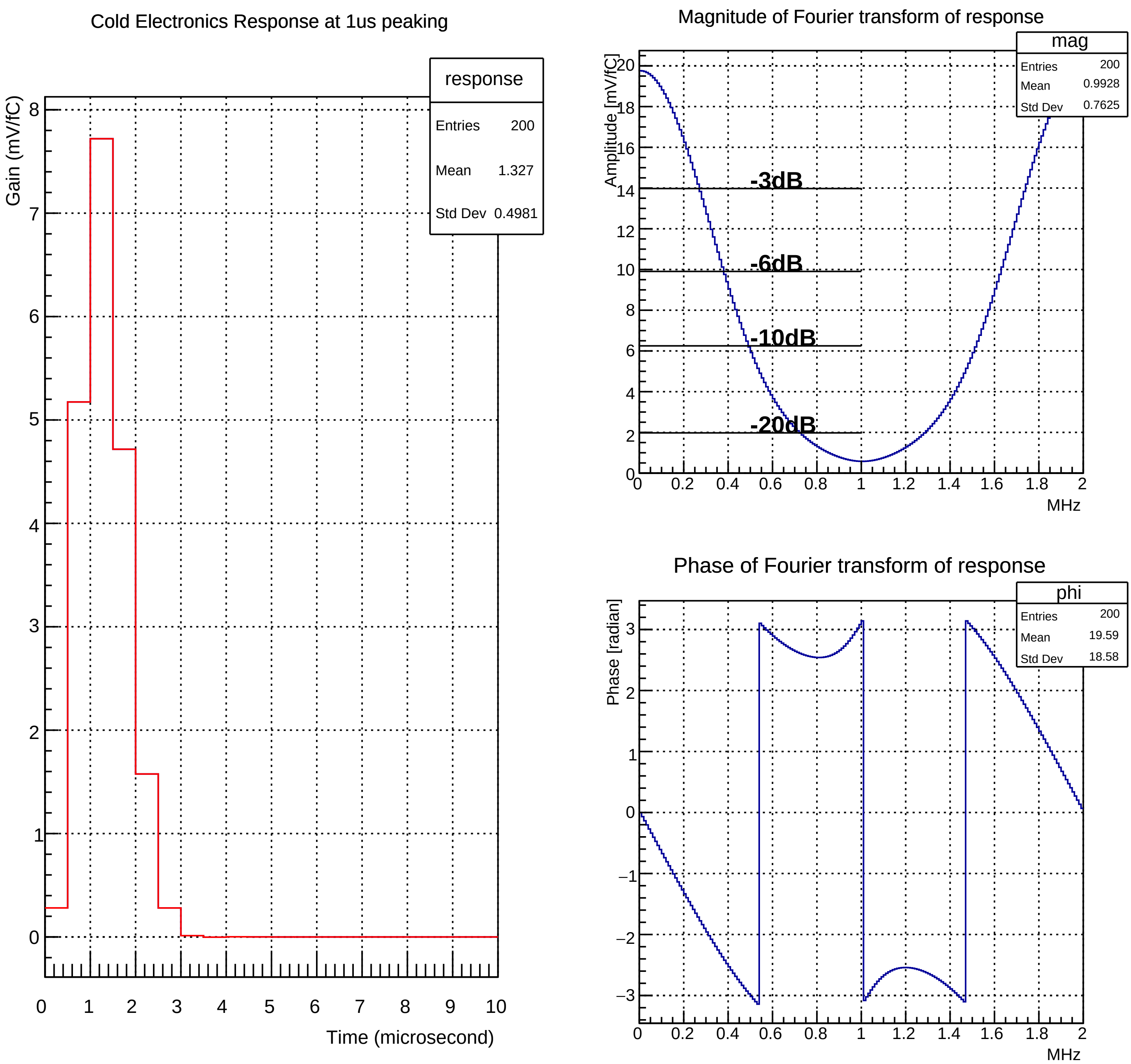
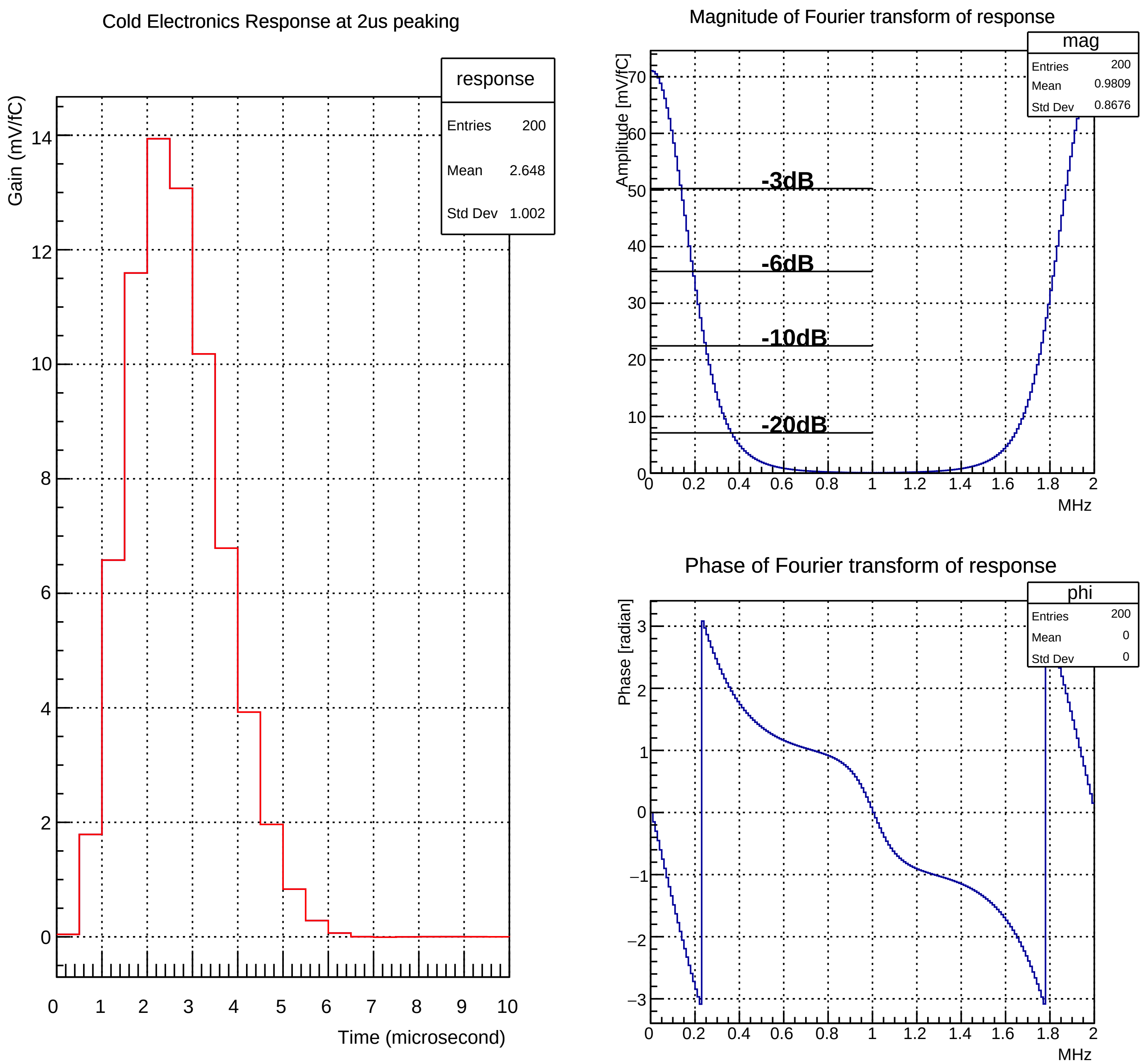
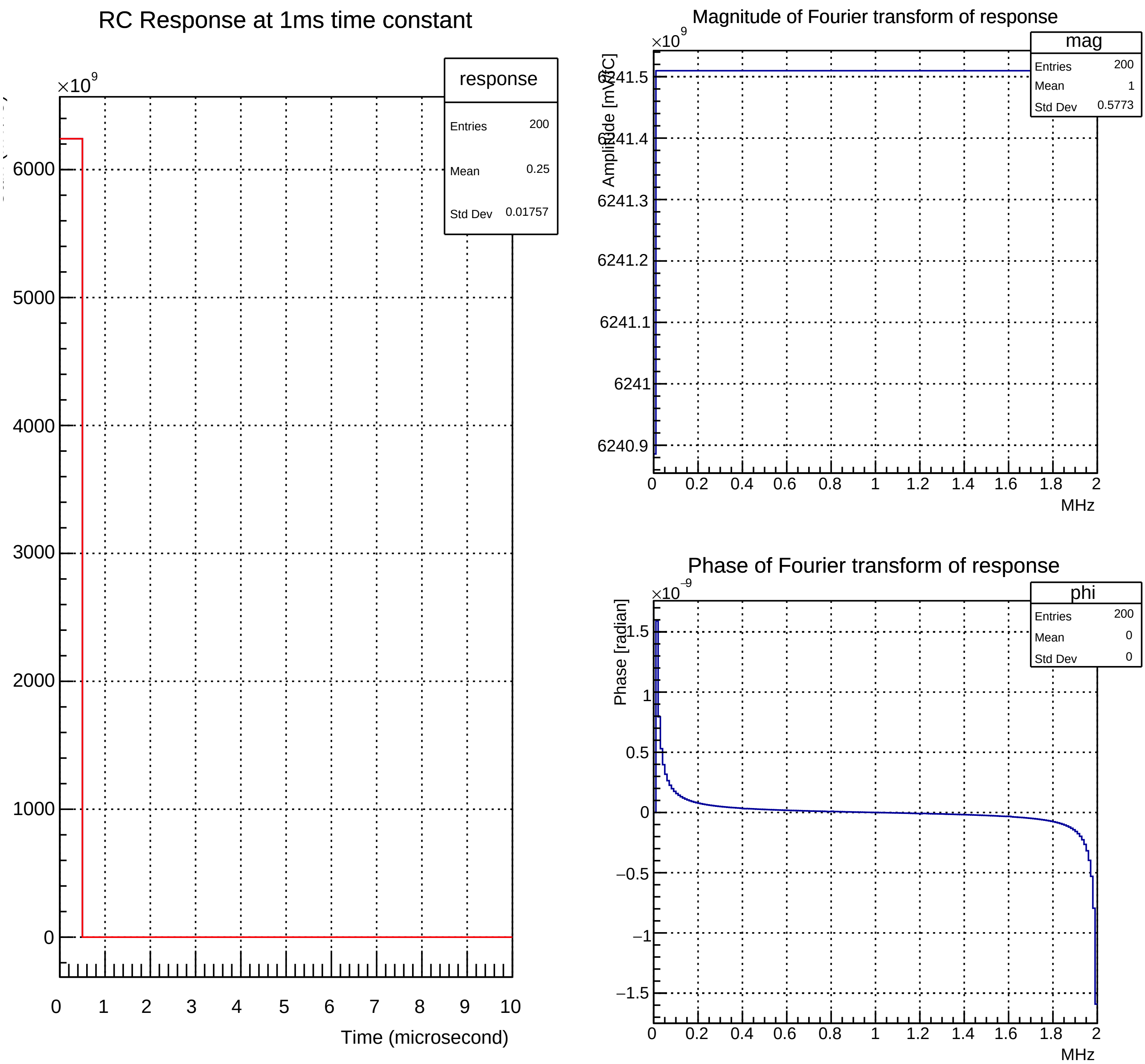


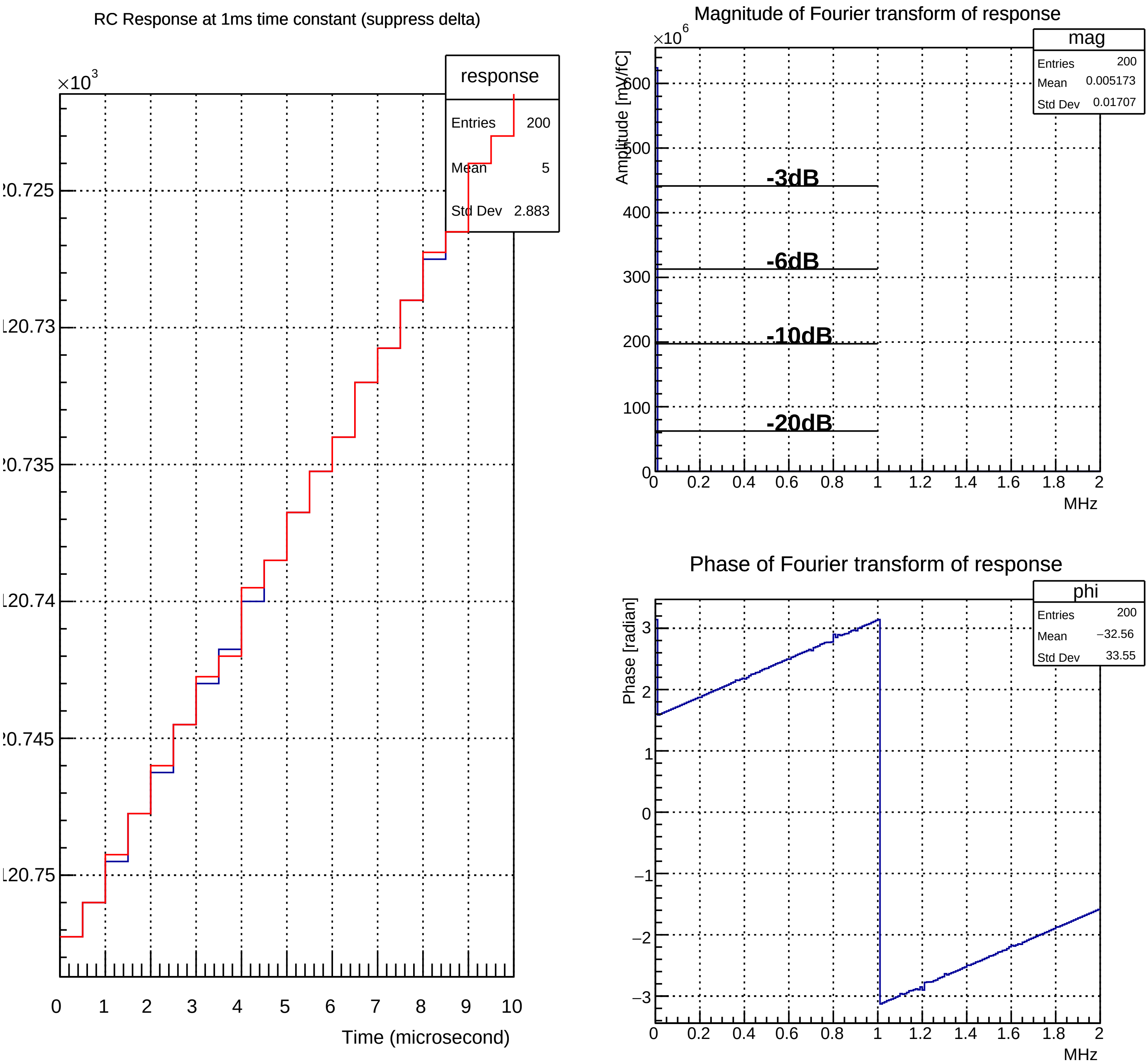
Cold Electronics Response at 1us peaking
response
Entries 200
Mean 1.327
Std Dev 0.4981
Gain (mV/fC)
Time (microsecond)
Magnitude of Fourier transform of response
mag
Entries 200
Mean 0.9928
Std Dev 0.7625
Amplitude [mV/fC]
-3dB
-6dB
-10dB
-20dB
MHz
Phase of Fourier transform of response
phi
Entries 200
Mean 19.59
Std Dev 18.58
Phase [radian]
MHz



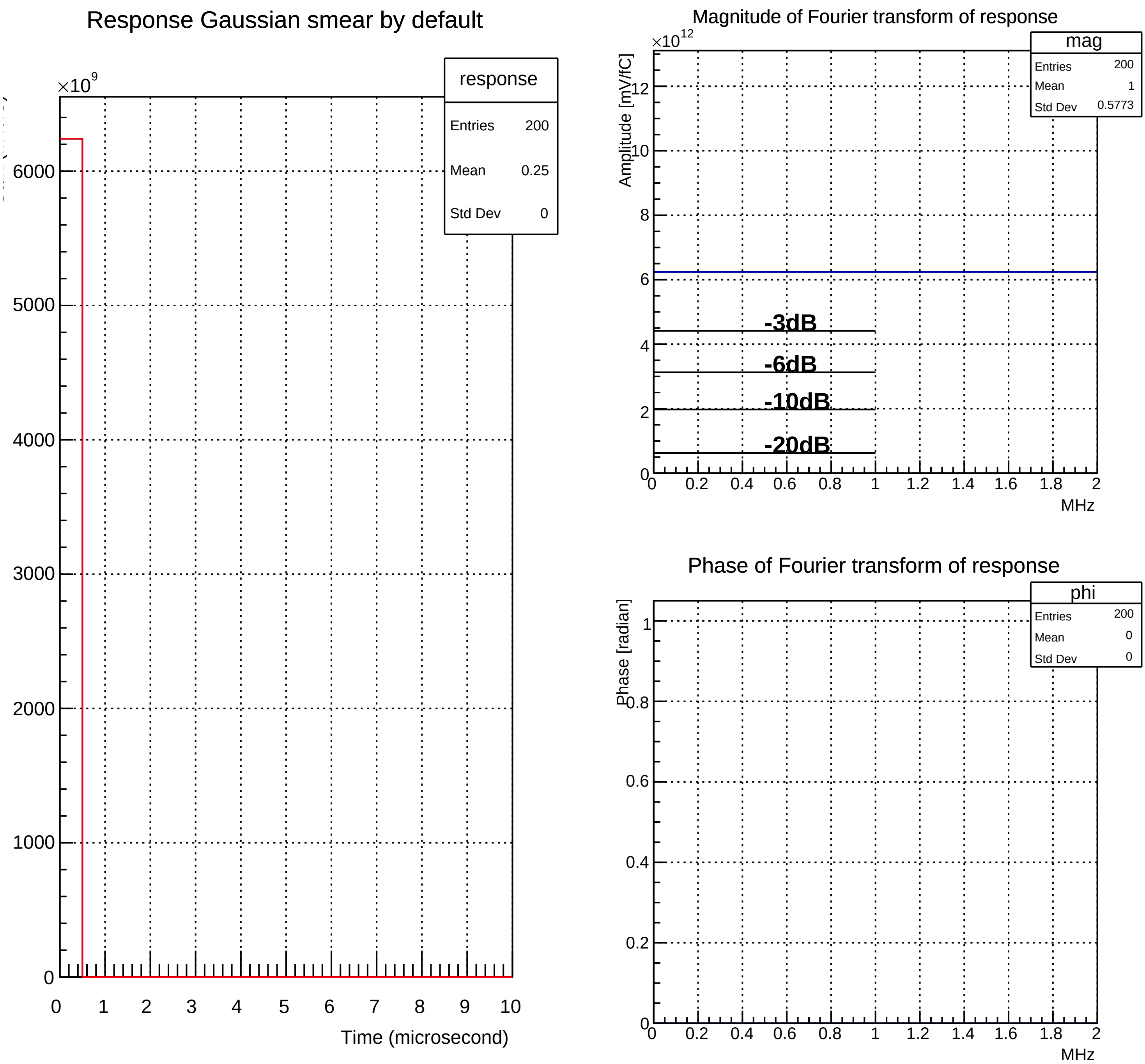
Cold Electronics Response at 2us peaking
response
Entries 200
Mean 2.648
Std Dev 1.002
Gain (mV/fC)
Time (microsecond)
Magnitude of Fourier transform of response
mag
Entries 200
Mean 0.9809
Std Dev 0.8676
Amplitude [mV/fC]
-3dB
-6dB
-10dB
-20dB
MHz
Phase of Fourier transform of response
phi
Entries 200
Mean 0
Std Dev 0
Phase [radian]
MHz

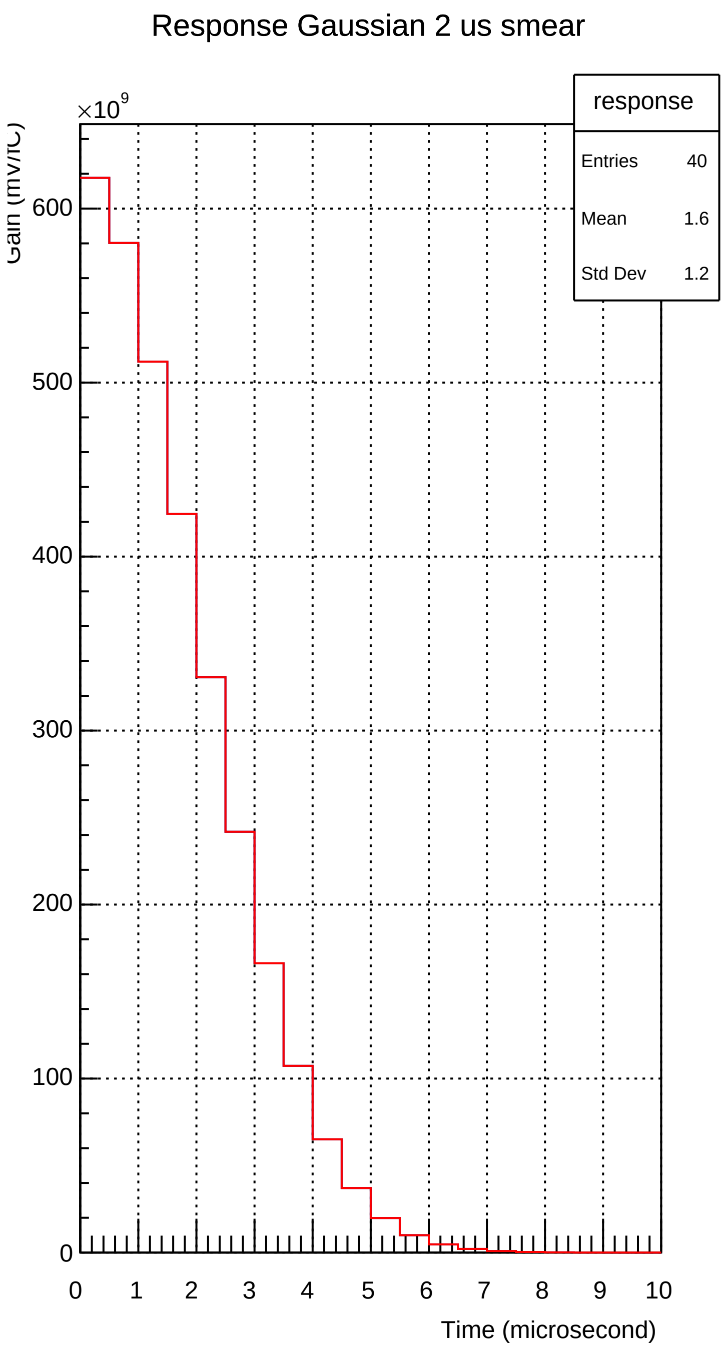


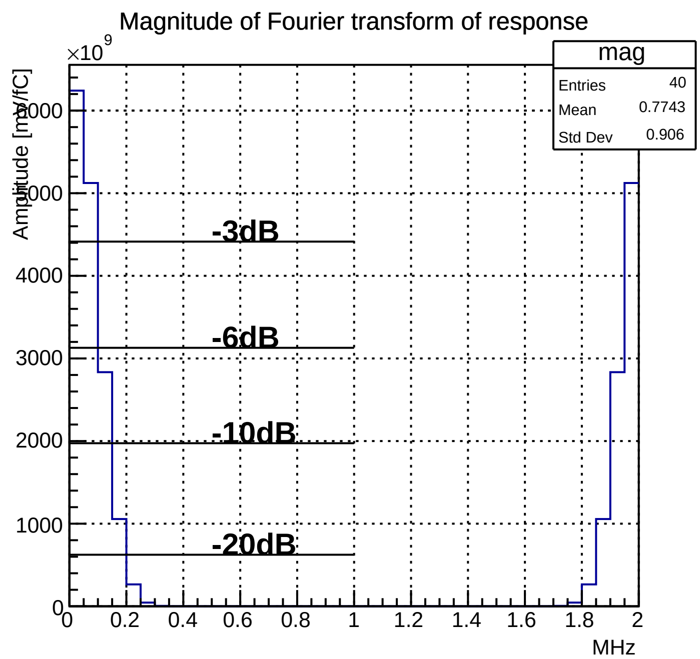
RC Response at 1ms time constant
response
Entries 200
Mean 0.25
Std Dev 0.01757
×10^9
6000
5000
4000
3000
2000
1000
0
0 1 2 3 4 5 6 7 8 9 10
Time (microsecond)
Magnitude of Fourier transform of response
mag
Entries 200
Mean 1
Std Dev 0.5773
×10^9
Amplitude [mV/fC]
6241.5
6241.4
6241.3
6241.2
6241.1
6241
6240.9
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz
Phase of Fourier transform of response
phi
Entries 200
Mean 0
Std Dev 0
×10^−9
Phase [radian]
1.5
1
0.5
0
−0.5
−1
−1.5
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz

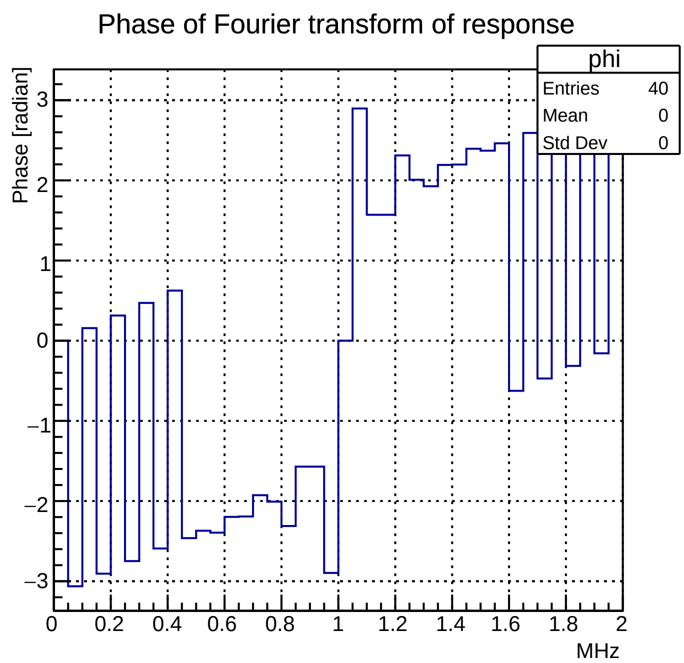


RC Response at 1ms time constant (suppress delta)
response
Entries 200
Mean 5
Std Dev 2.883
Time (microsecond)
Magnitude of Fourier transform of response
mag
Entries 200
Mean 0.005173
Std Dev 0.01707
Amplitude [mV/fC]
-3dB
-6dB
-10dB
-20dB
MHz
Phase of Fourier transform of response
phi
Entries 200
Mean −32.56
Std Dev 33.55
Phase [radian]
MHz

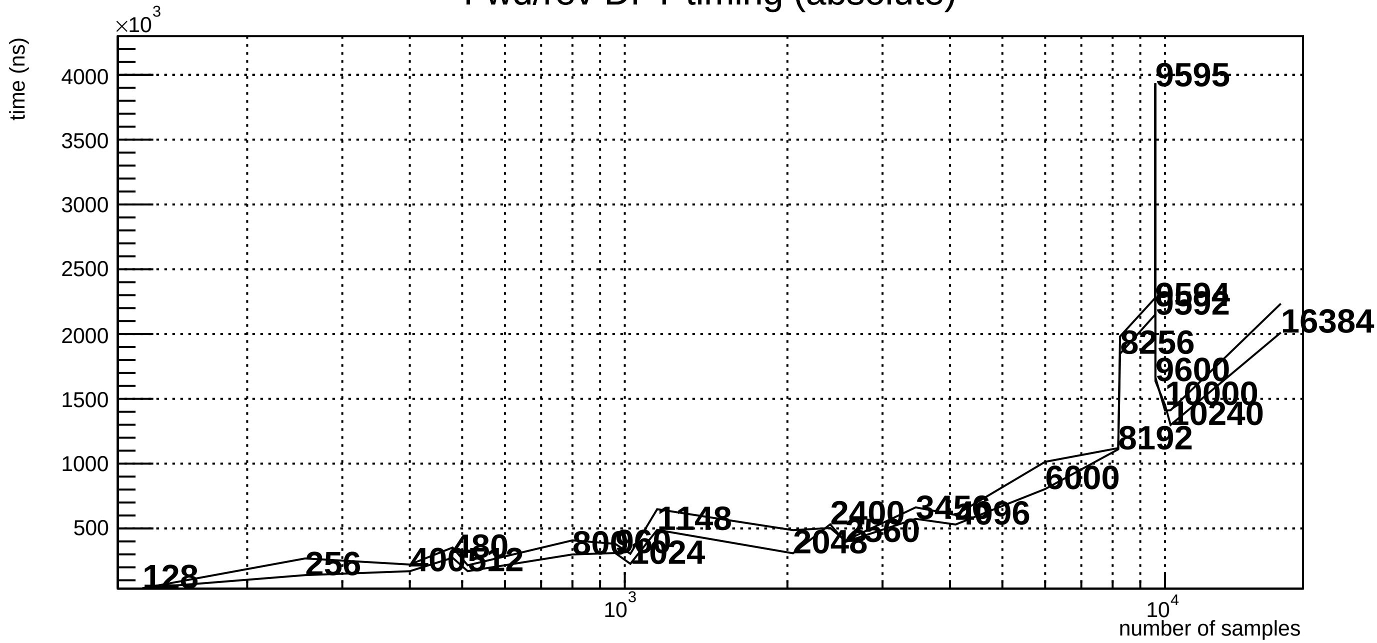

Response Gaussian smear by default
response
Entries 200
Mean 0.25
Std Dev 0
×10^9
0
1000
2000
3000
4000
5000
6000
0 1 2 3 4 5 6 7 8 9 10
Time (microsecond)
Magnitude of Fourier transform of response
mag
Entries 200
Mean 1
Std Dev 0.5773
×10^12
Amplitude [mV/fC]
0 2 4 6 8 10 12
-3dB
-6dB
-10dB
-20dB
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz
Phase of Fourier transform of response
phi
Entries 200
Mean 0
Std Dev 0
Phase [radian]
0 0.2 0.4 0.6 0.8 1
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz


Response Gaussian 2 us smear
response
Entries 40
Mean 1.6
Std Dev 1.2
×10^9
Gain (mV/fC)
0
100
200
300
400
500
600
0 1 2 3 4 5 6 7 8 9 10
Time (microsecond)


Magnitude of Fourier transform of response
mag
Entries 40
Mean 0.7743
Std Dev 0.906
×10^9
Amplitude [mV/fC]
-3dB
-6dB
-10dB
-20dB
0
1000
2000
3000
4000
5000
6000
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz


Phase of Fourier transform of response
phi
Entries 40
Mean 0
Std Dev 0
Phase [radian]
3
2
1
0
−1
−2
−3
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
MHz

Fwd/rev DFT timing (absolute)



Fwd/rev DFT timing (relative)