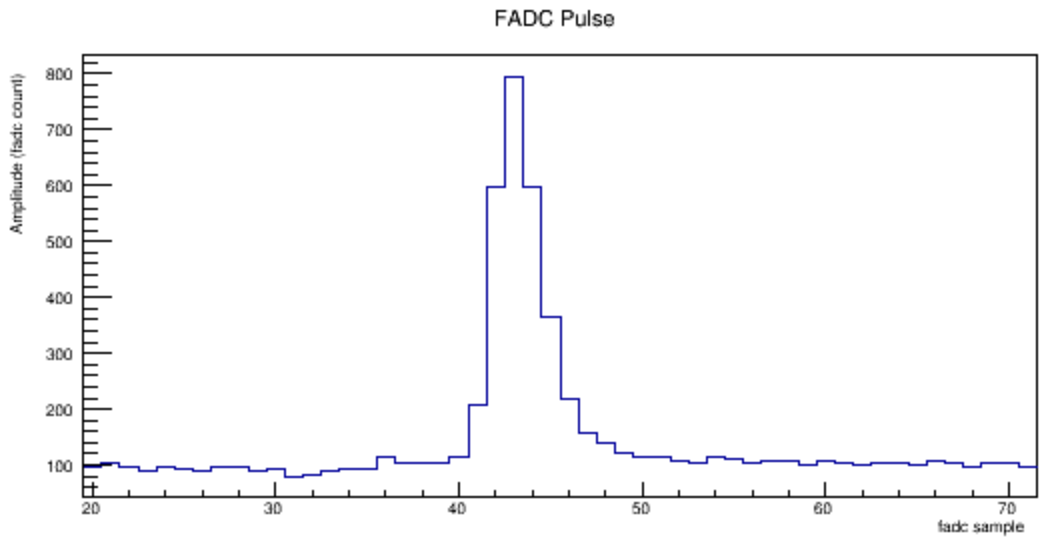
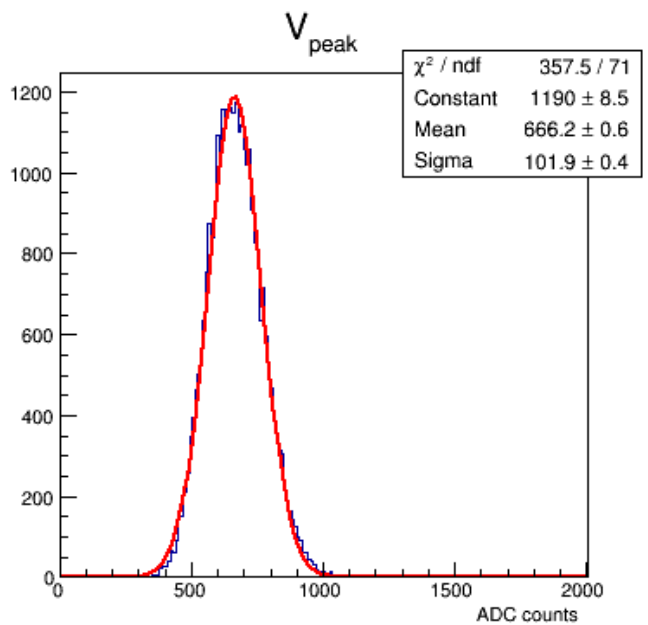
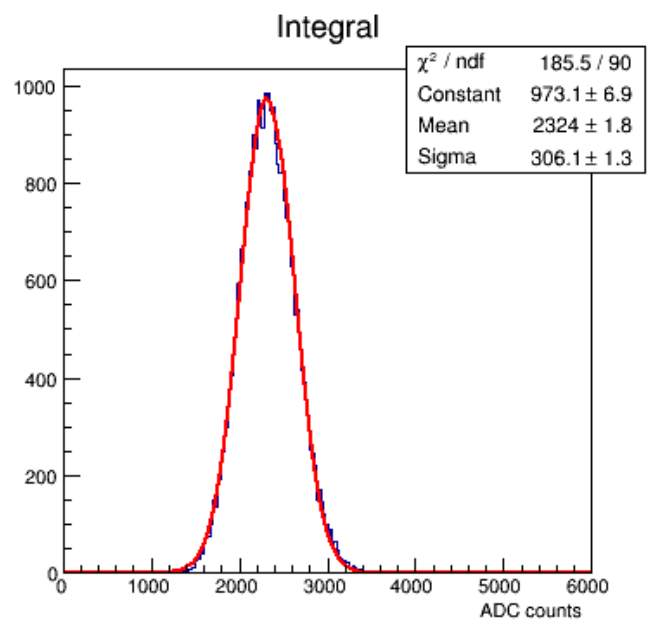


Digitized signal pulse





Npe = $(Int/Sig)^2$ Gain = Sig*Sig/Int

V = 2.7 V

Rate	V (mV)	run	Vpeak	σ(Vpeak)	Int	σ(Int)	Npe	Gain		Int/Peak
1 kHz	90	31267	667	101.9	2324	306	57.7	40.3		3.48
100 kHz	117	31268	865.5	118.7	3061.6	361.8	71.6	42.7		3.53
1 MHz	138	31269	1039.2	129.2	3790.4	401.6	89.1	42.6		3.64
2 MHz	150	31270	1116.7	133.7	4129.9	417.6	97.8	42.2		3.69

V = 3.05 V

1 kHz	300	31271	2268.6	191.6	8787.4	611.9	206.2	42.6		3.87
100 kHz	324	31272	2481.1	198	9823.2	643.8	232.8	42.2		3.95
1 MHz	373	31273	2863.8	214.2	11686.8	707.9	272.6	42.9		4.08
2 MHz	387	31275	2942.4	217.8	11922	720.5	273.8	43.5		4.05

V = 3.23 V

1 kHz	440	31276	3338	229.2	13693	759	325.8	42	(sat)	
100 kHz	450	31277	3600	230.8	15126	782				
1 MHz	495	31278	3957	230.6	17133	770				
2 MHz	504	31279	3837	247.5	14554	833				