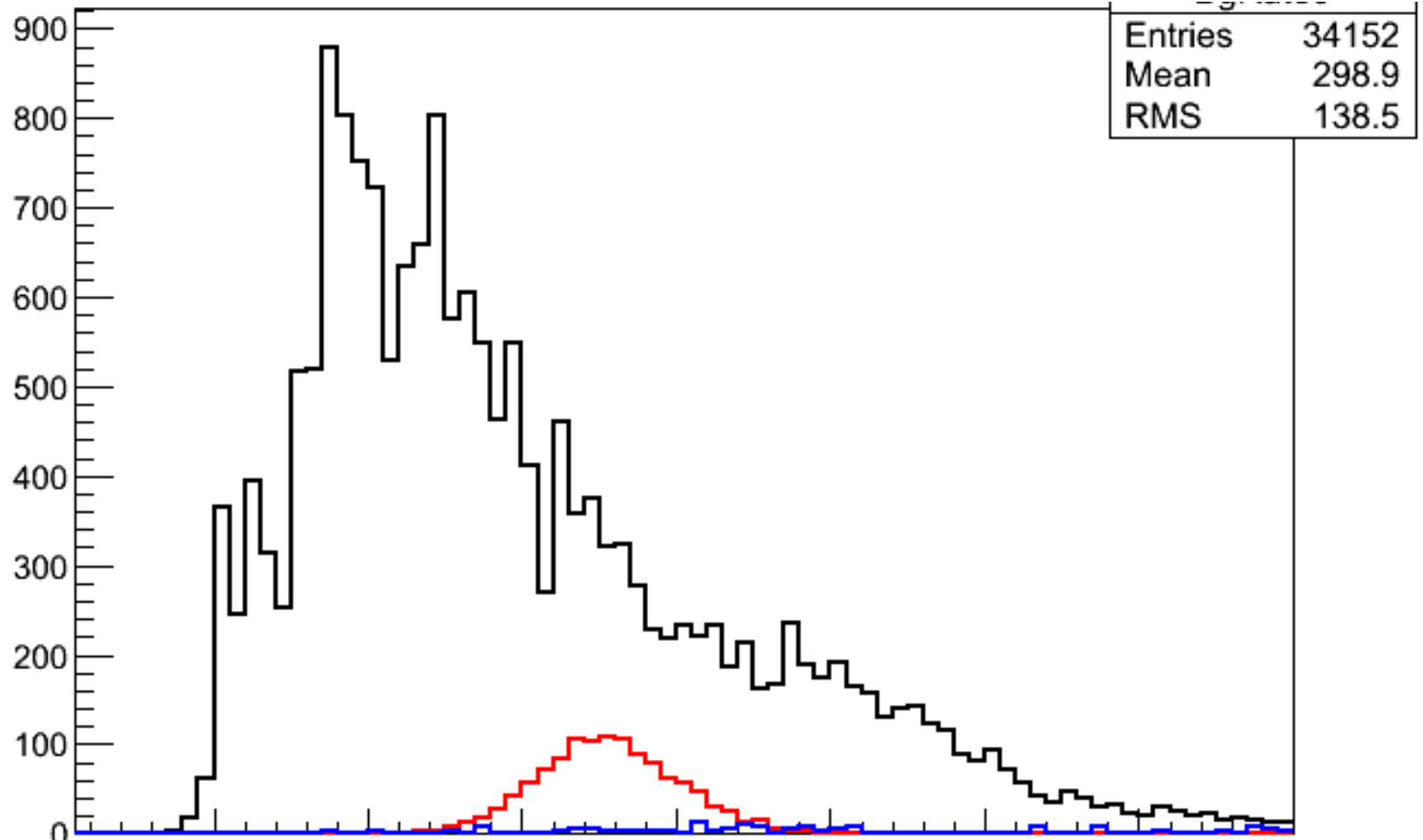


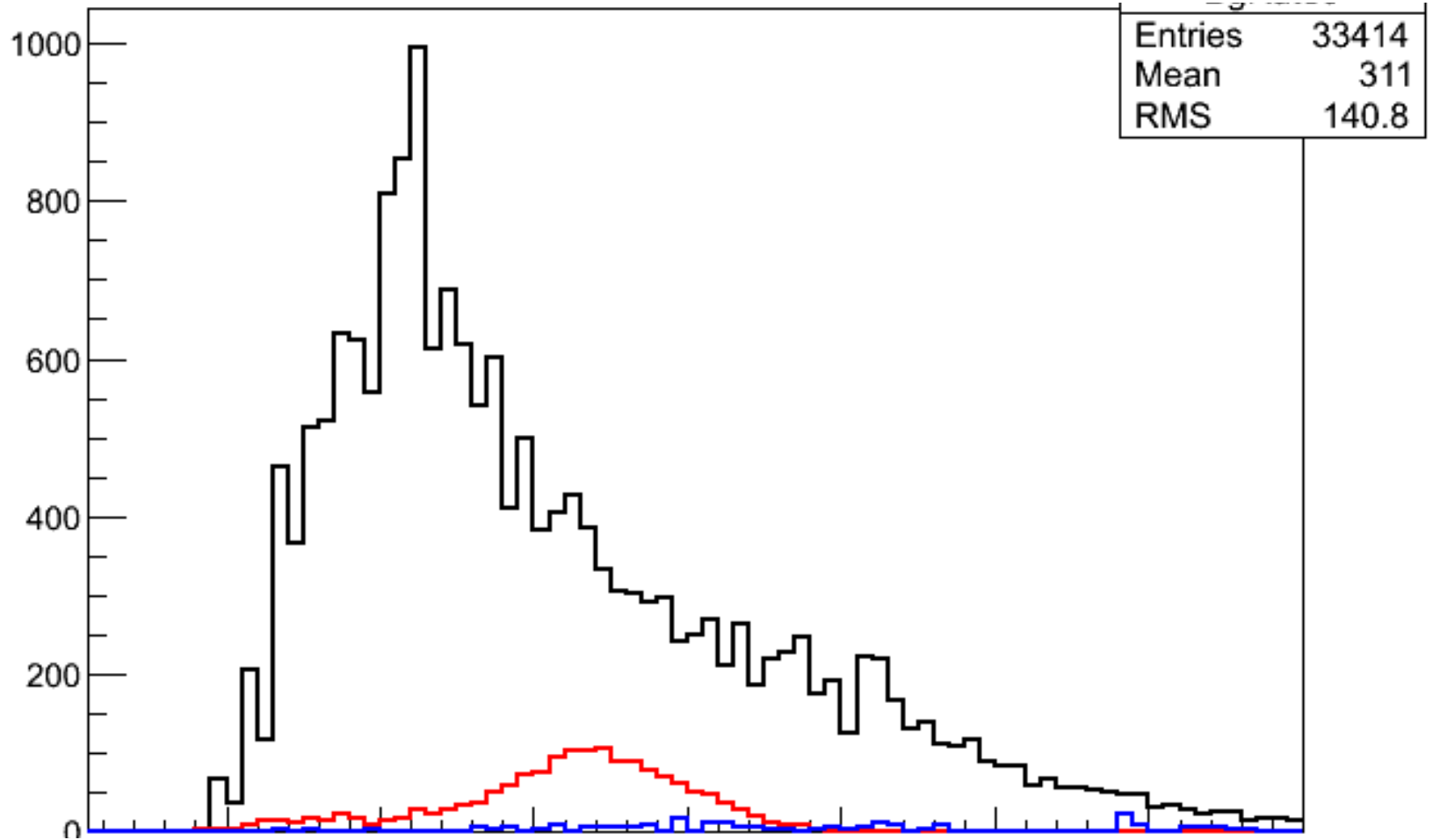
# Background Rate Estimation

Beam Energy/ GeV	Scat Angle/ deg	Asymmetr y	Distance/ cm	Integral Range/ MeV	Elastic Rate	Target Bg Rate	Dump Bg Rate	Dilution Factor	Assume Pb = 0.80, Pt = 0.40, DAQ rate = 10k Hz			
									Event Amount(3 %)	Time(3%)/ hour	Event Amount(5 %)	Time(5%)/ hour
1.159	70	0.022	210.0	270-420	1392.4	5279.4	211.8	0.2023	5.70E+08	23.0	2.05E+08	8.3
1.159	71	0.019	210.0	270-420	1559.1	5424.8	279.0	0.2147	6.41E+08	24.5	2.31E+08	8.8
1.159	72	0.017	210.0	270-420	1312.6	4864.9	163.6	0.2070	8.90E+08	39.0	3.20E+08	14.0
1.159	73	0.015	210.0	270-420	1224.3	5127.9	200.8	0.1868	1.44E+09	60.9	5.17E+08	21.9
2.257	70	0.031	210.0	270-420	295.7	5708.0	515.8	0.0454	1.61E+09	68.6	5.80E+08	24.7
2.257	71	0.027	210.0	270-420	586.1	5845.7	686.1	0.0823	6.24E+08	24.4	2.25E+08	8.8
2.257	72	0.024	210.0	270-420	898.6	5307.7	531.1	0.1334	3.08E+08	12.7	1.11E+08	4.6
2.257	73	0.021	210.0	270-420	1263.8	5423.2	492.9	0.1760	2.33E+08	9.0	8.40E+07	3.3
1.159	70	0.022	210.0	270-420	1299.1	5721.9	40.3	0.1840	6.89E+08	27.1	2.48E+08	9.8
2.257	70	0.031	210.0	270-420	677.7	6600.8	72.3	0.0922	3.90E+08	14.7	1.40E+08	5.3
1.159	70	0.022	210.0	270-420	1058.7	5257.7	52.2	0.1662	8.44E+08	36.8	3.04E+08	13.3
1.706	70	0.029	210.0	270-420	1152.5	5403.1	90.1	0.1734	4.44E+08	18.6	1.60E+08	6.7
2.257	70	0.031	210.0	270-420	1183.6	6437.9	89.5	0.1535	1.41E+08	5.1	5.06E+07	1.8

Beam Energy = 1.159GeV



Beam Energy = 1.706GeV



Beam Energy = 2.257GeV

