University of Regina

LTSep iterations results (first look)

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KaonLT Meeting
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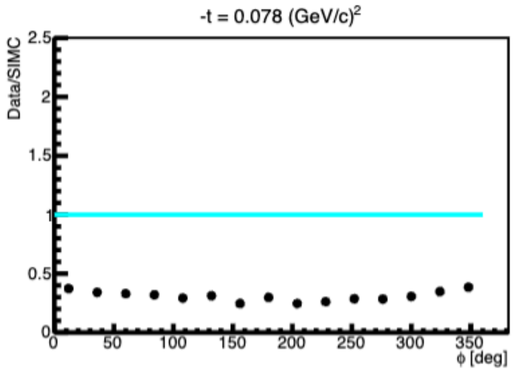
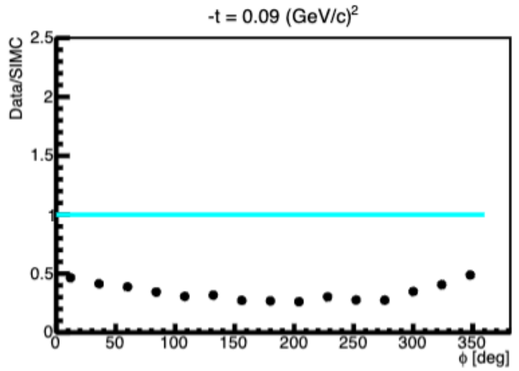
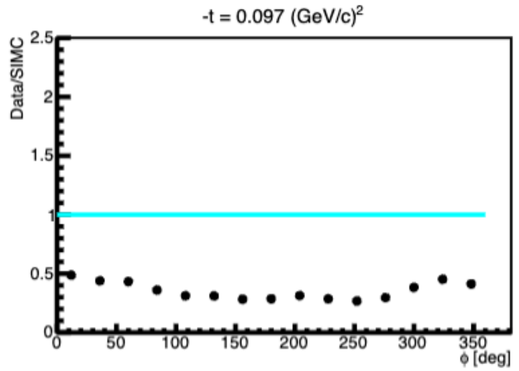
Initial parameters

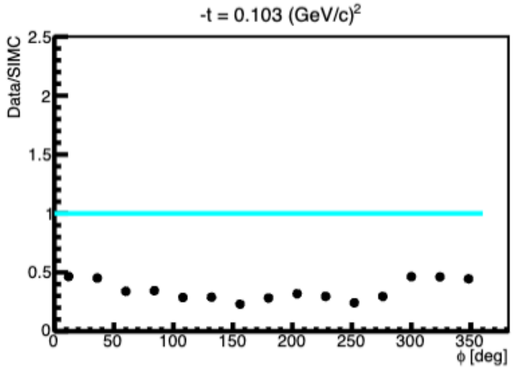
Data/SIMC Ratios

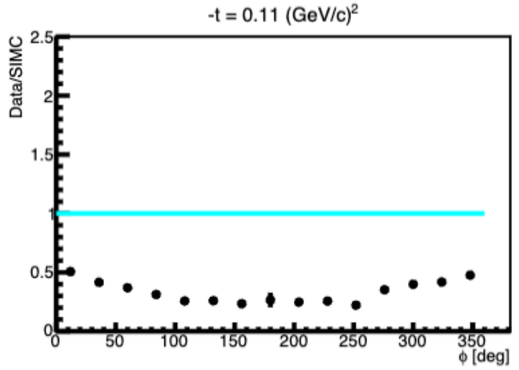
Low ε

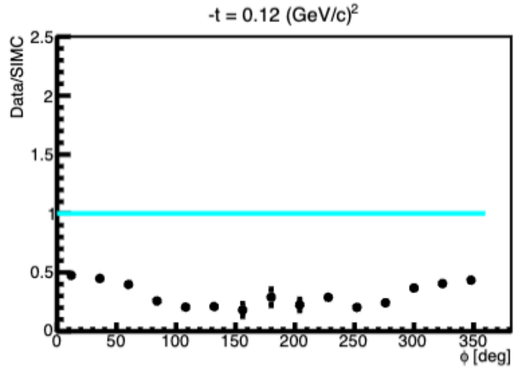


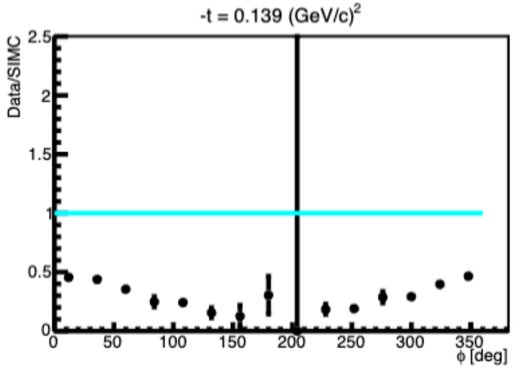






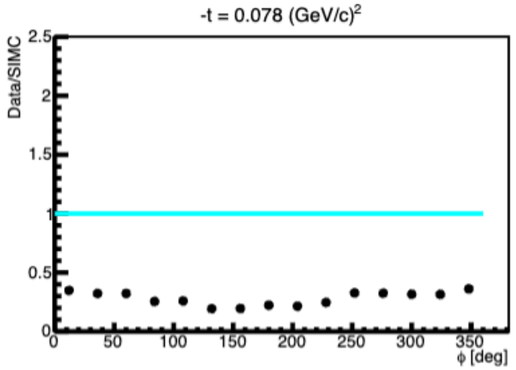


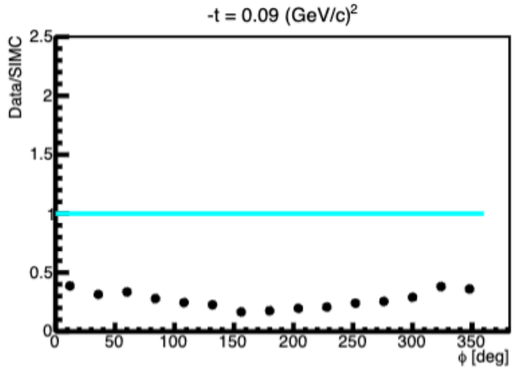


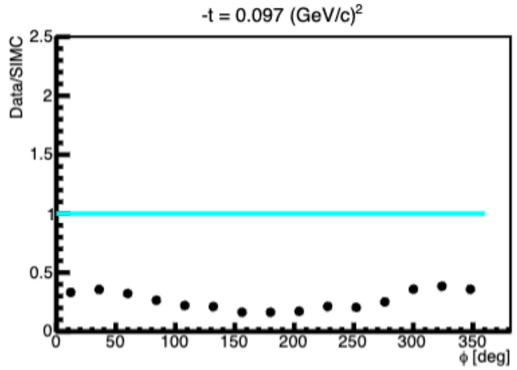


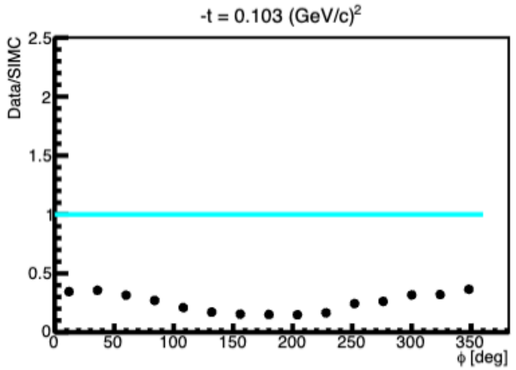
Data/SIMC Ratios

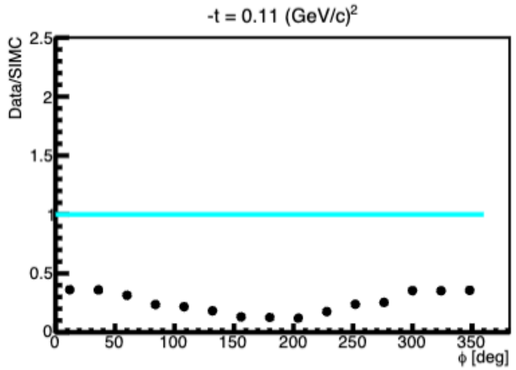
High ε

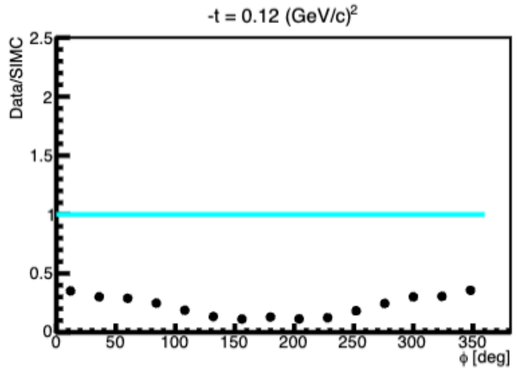


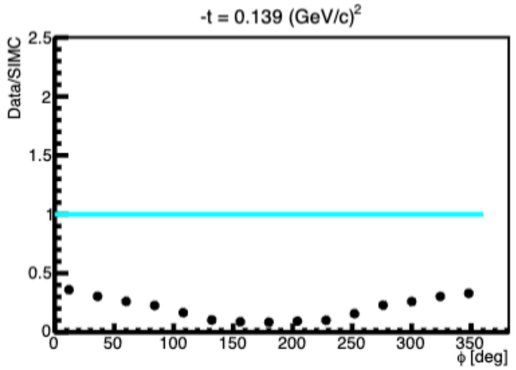




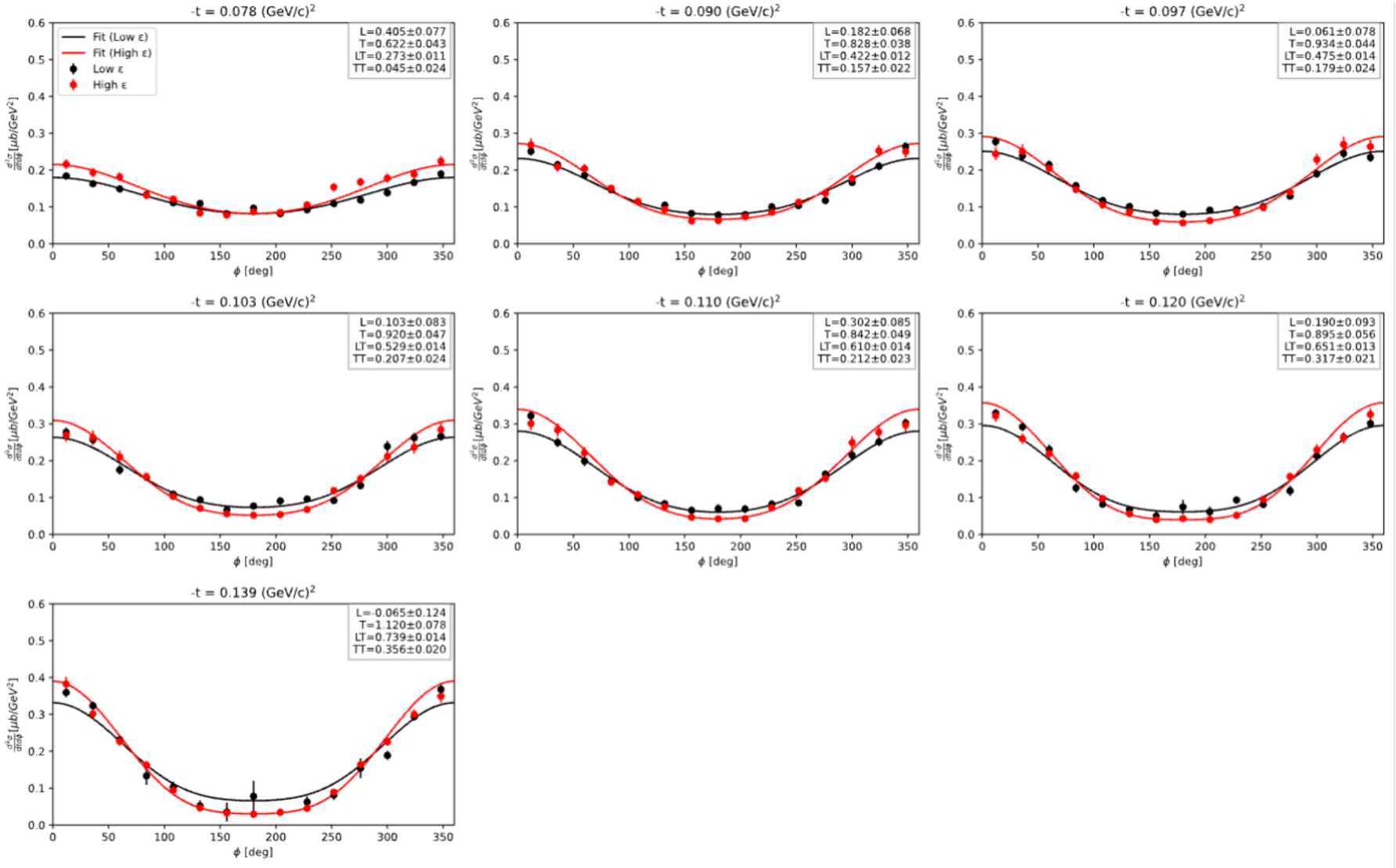




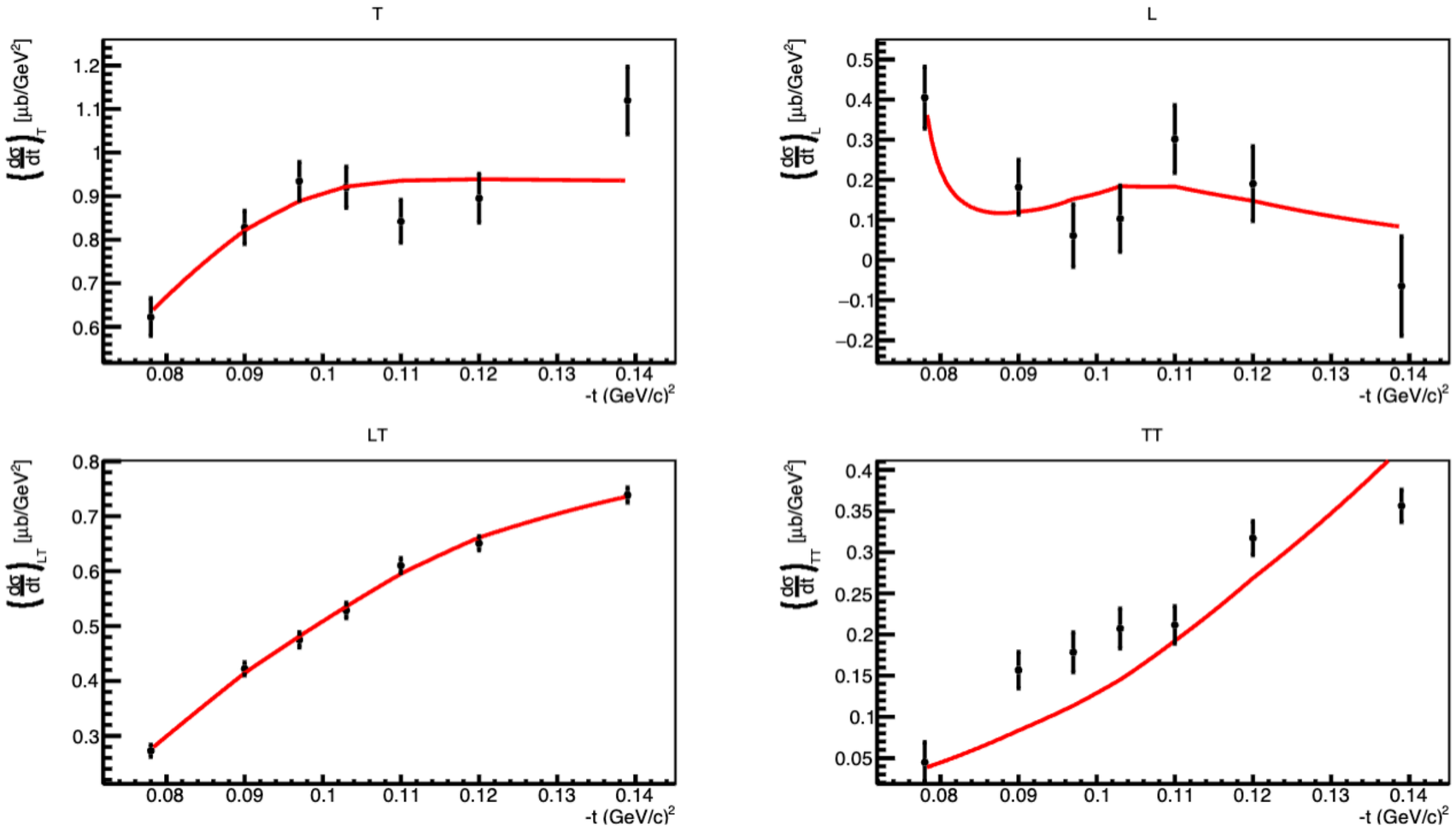




Simultaneous Rosenbluth Fit



L, T, LT, TT Cross Sections

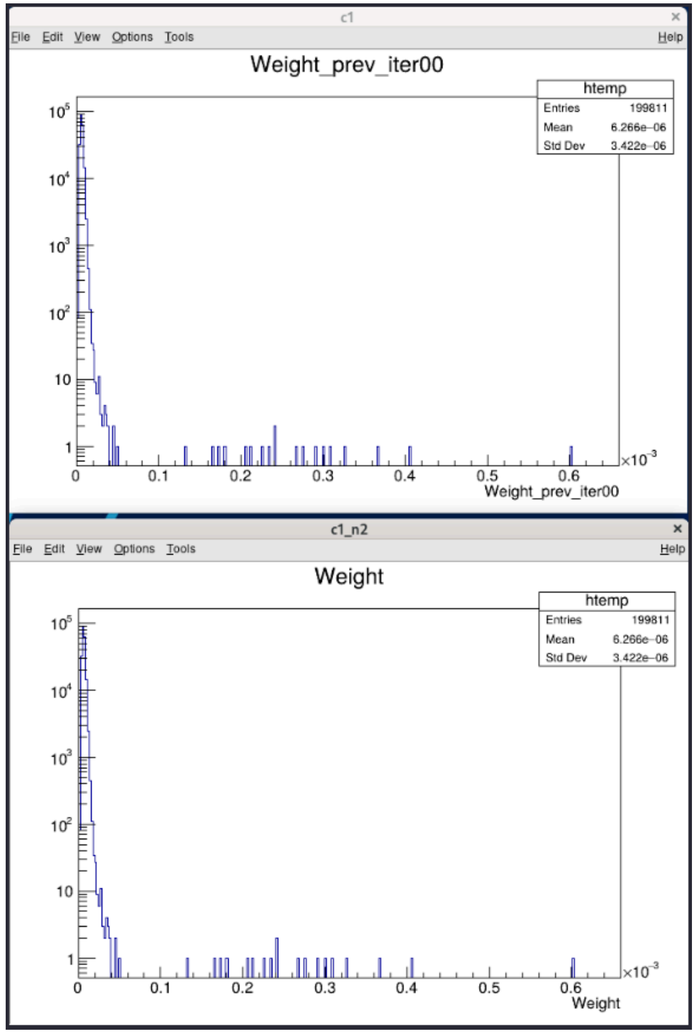


Testing the iteration script

- Calculate new Weight using initial fit parameters -> Consistent !

SIMC Output

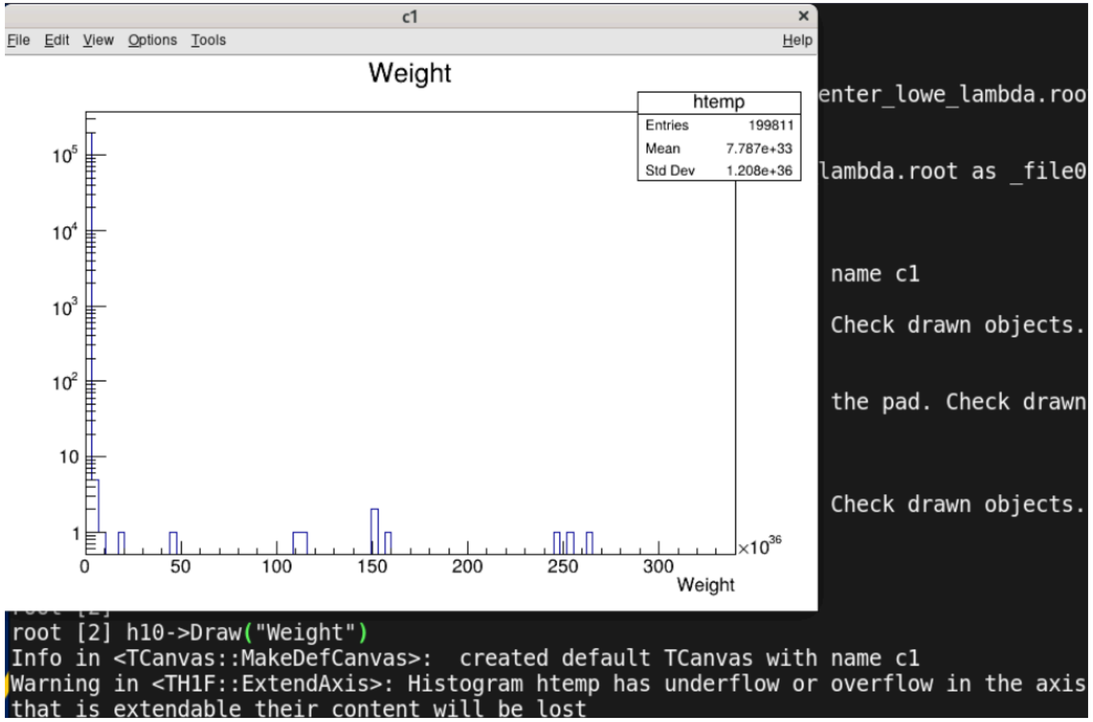
Weight calculation script

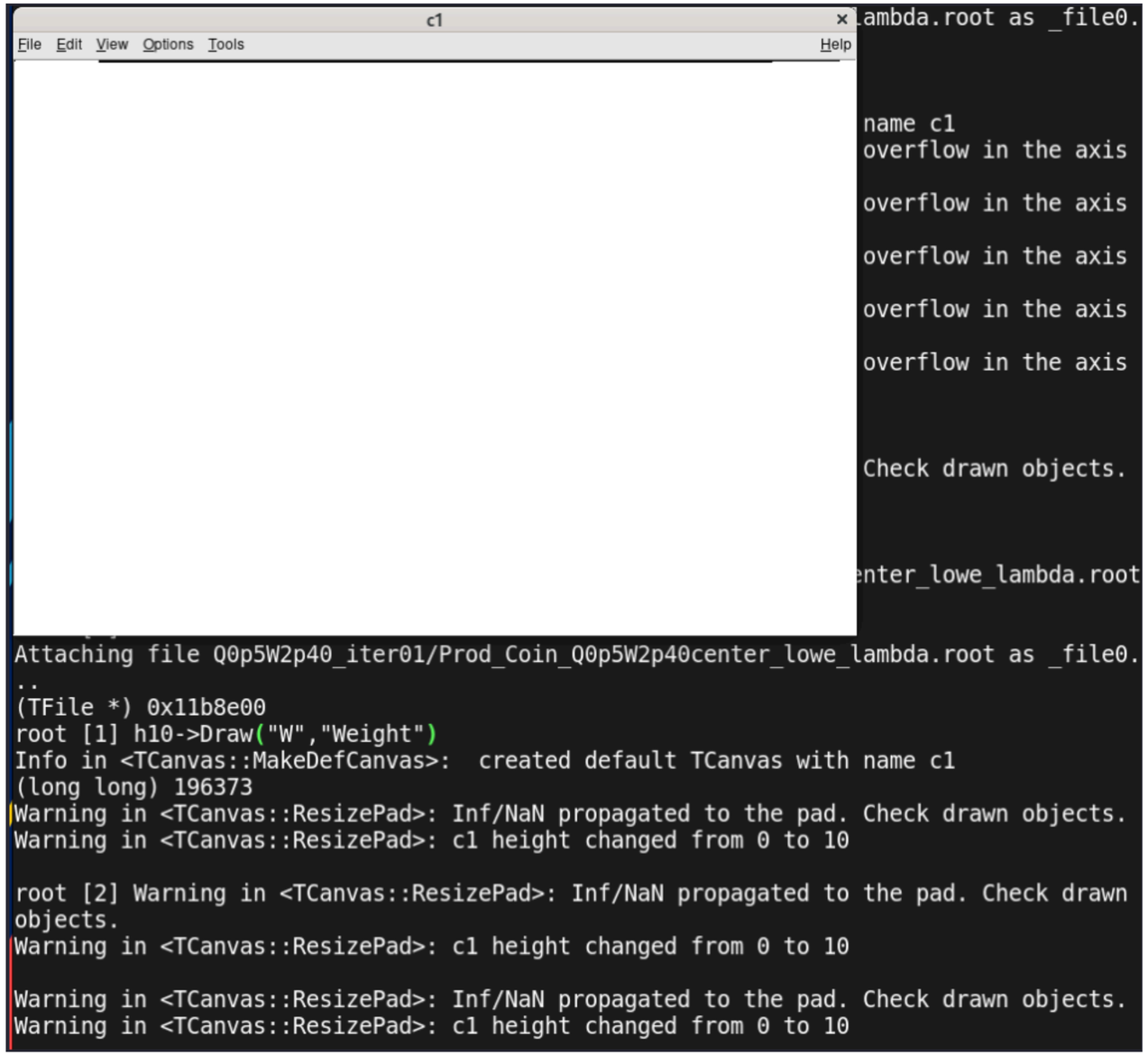


Iteration 01

SIMC Yields

- After new Weight calculation using fit parameters of iteration 01 -> Weighed variables crash !





SIMC Yields

Initial

3.9	1.0	1
5.8	1.0	2
0.0000	0.0000	3
0.0000	0.0000	4
214.0	10.0	5
8.6	1.0	6
0.7	0.1000	7
1.77	0.5000	8
0.05	0.05	9
3.98	1.0	10
0.8	0.5	11
0.7	0.1	12
22.5	5.	13
14.9	1.	14
0.0	0.0	15
0.0	0.0	16

Iteration 01

1.954	0.191	1
-0.757	0.094	2
0.000	0.000	3
0.000	0.000	4
2390.261	3496.946	5
246.736	17.276	6
-411.771	26.382	7
-227.478	5.185	8
507.688	11.646	9
3.698	0.002	10
-0.321	0.048	11
-34.337	0.858	12
-0.125	0.184	13
2.121	0.076	14
0.000	0.000	15
0.000	0.000	16