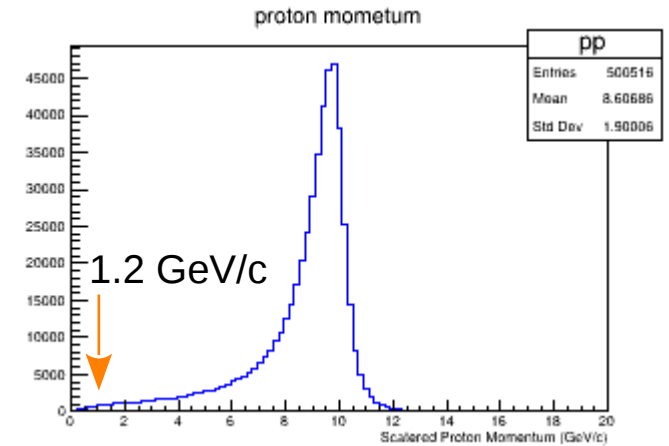
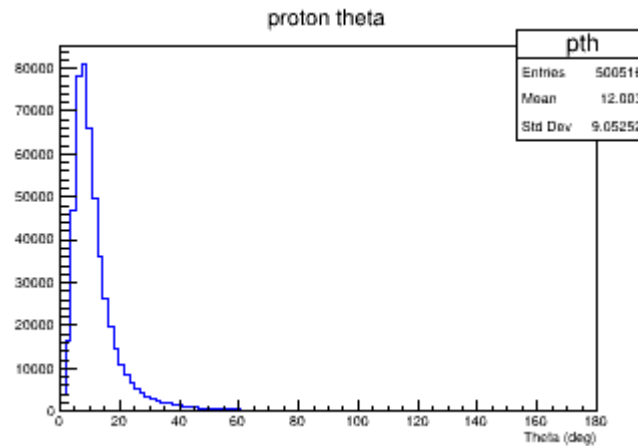
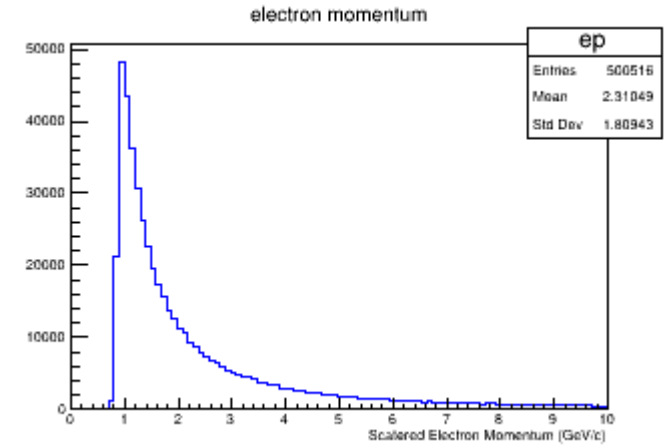
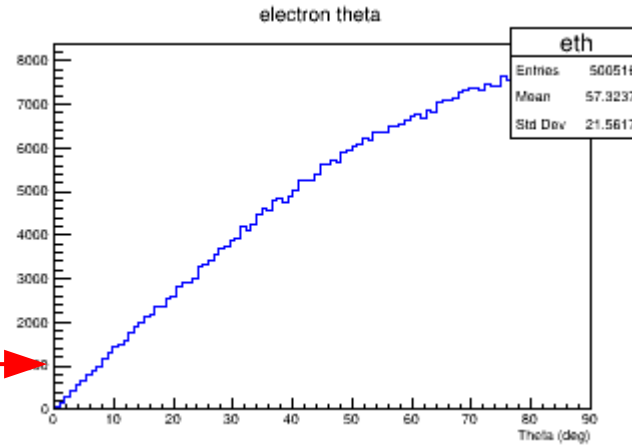


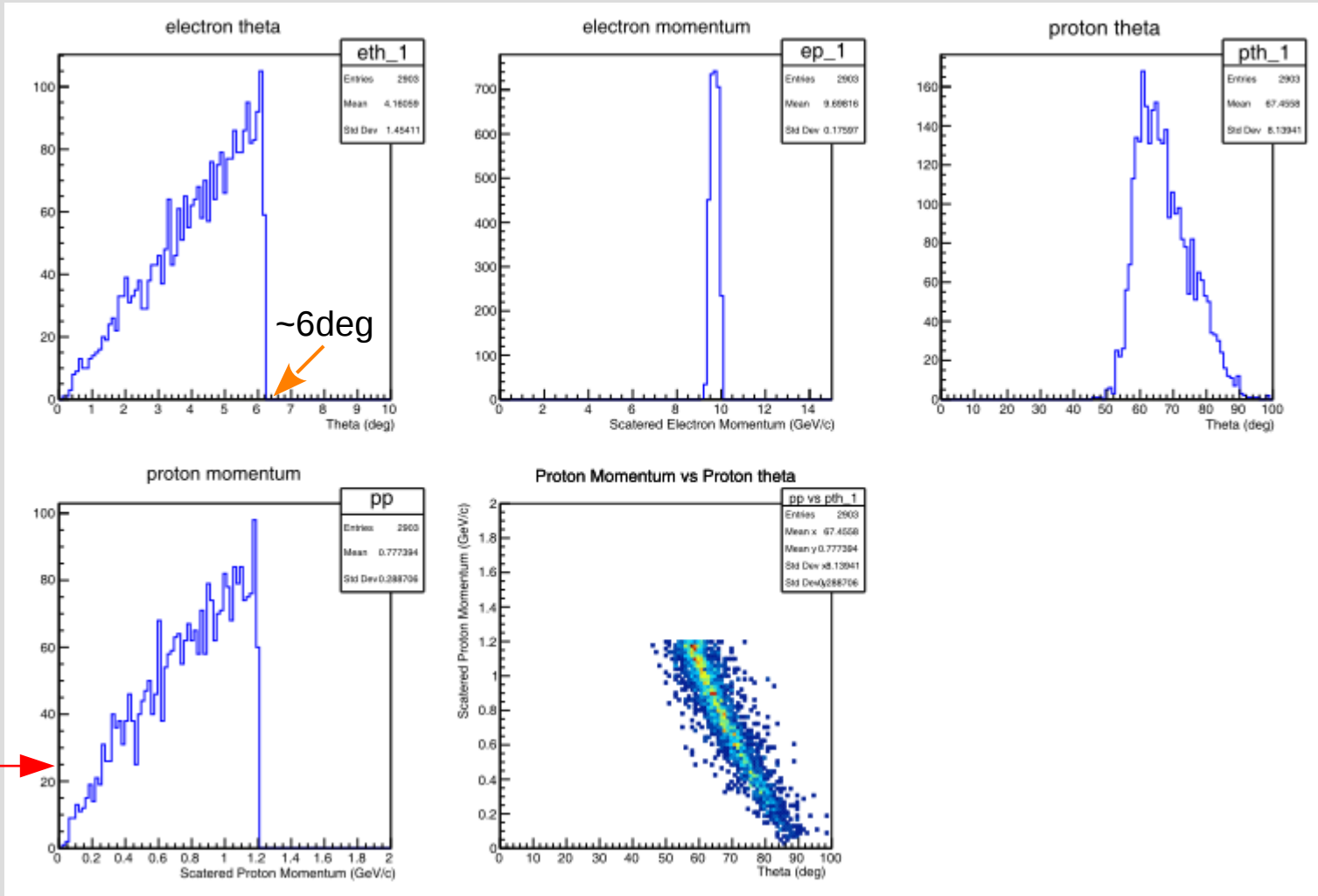
# Addendum to last report

- In the last report, I just showed, protons produced by electrons restricted to SBS acceptance.
- This time I opened the 'acceptance' of the scattered electron.



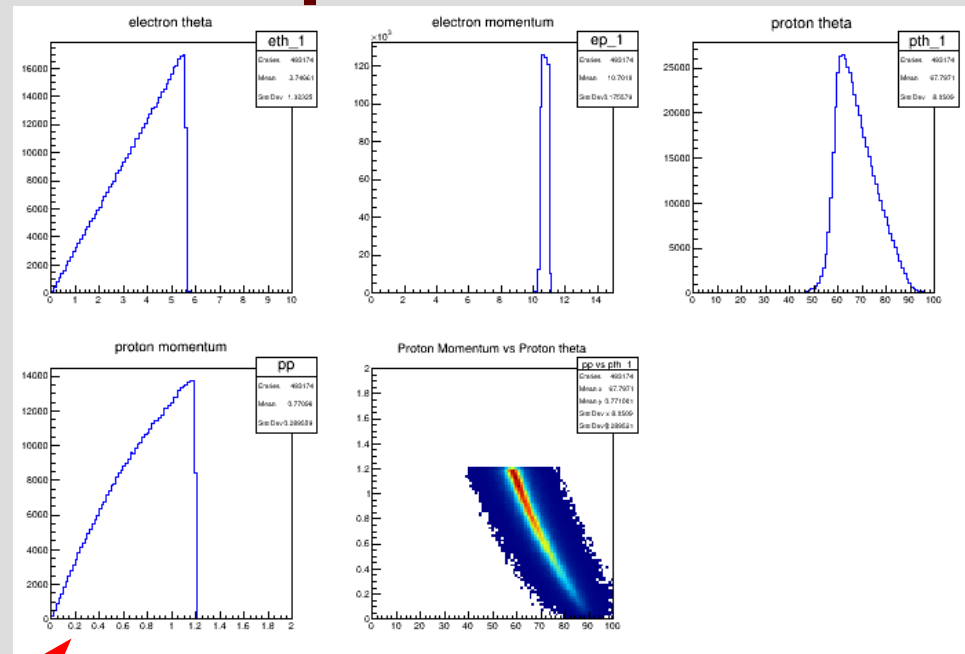
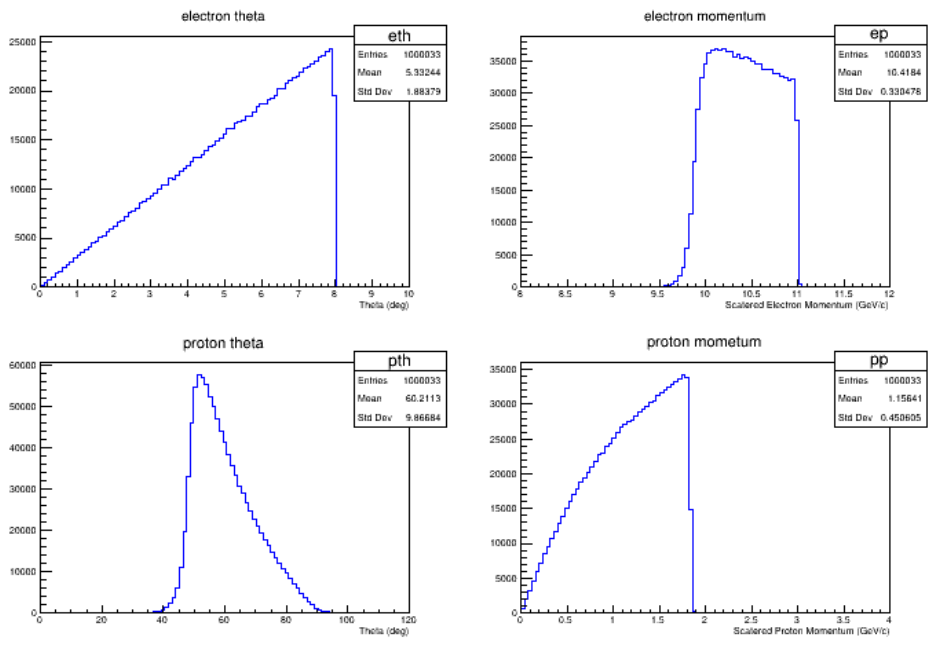
# Addendum to last report

Knowing the max electron angle which produces the protons we are interested, I can limit the random range and optimize the simulation.



I applied a cut in the knock-out proton momentum, selecting events  $< 1.2$  GeV/c

# Addendum to last report



The simulation run for 3M of events

- $\theta_e: [0.01, 8] \text{ deg}$
- just protons were selected
- Then a cut in proton momentum was applied  $< 1.2 \text{ GeV/c}$

With this information, the estimated rate of QE protons is  **$\sim 123 \text{ MHz}$**