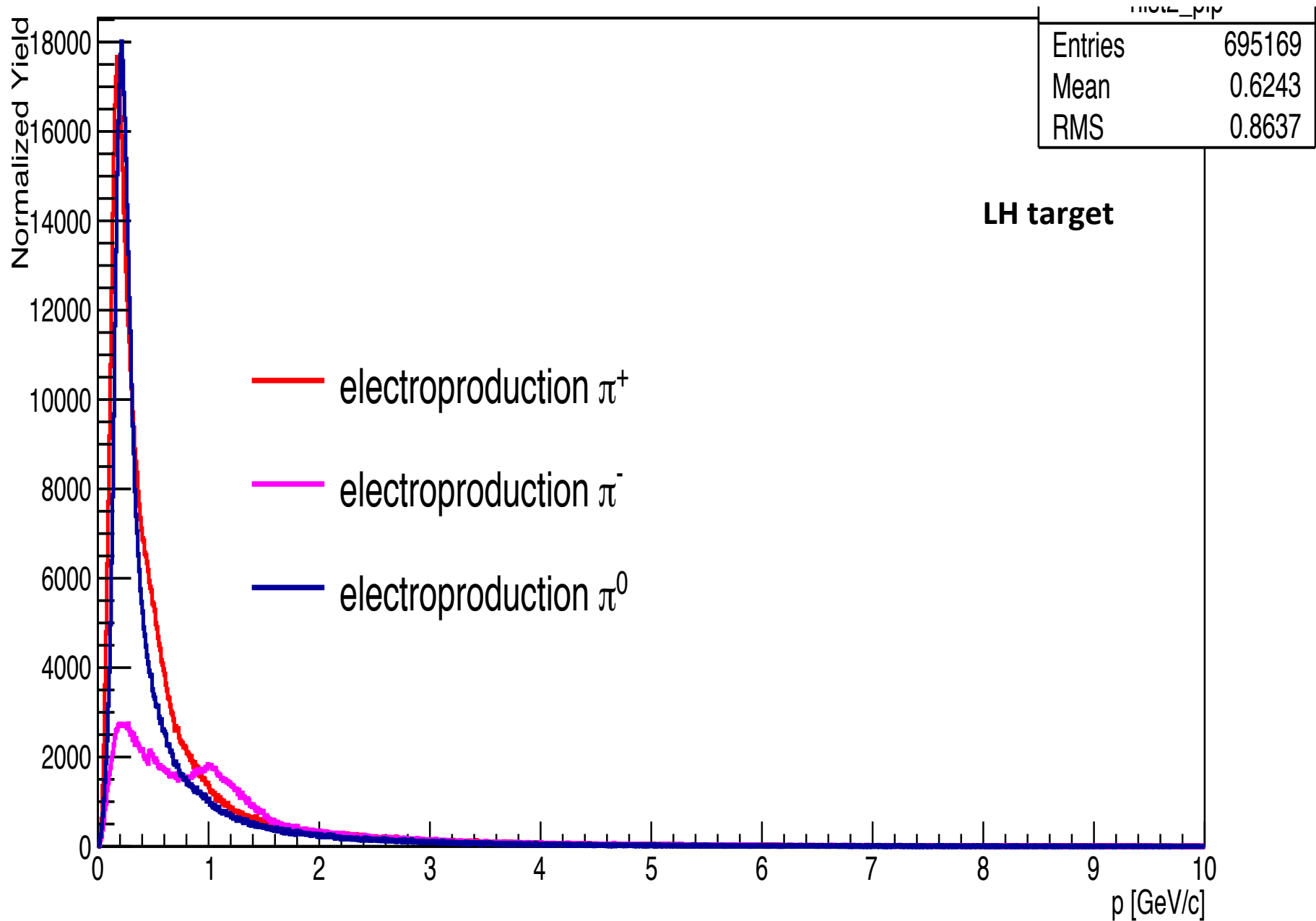
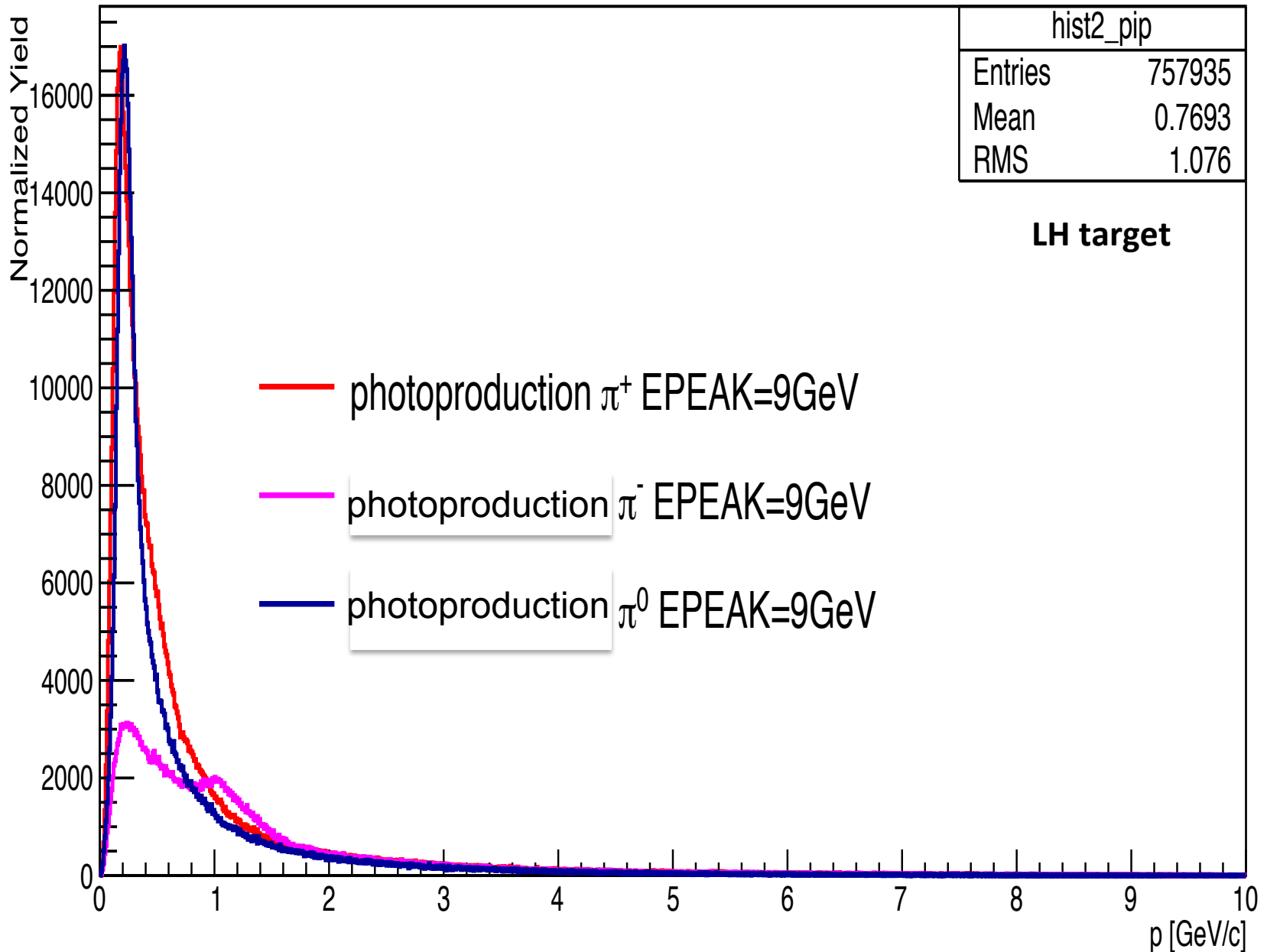
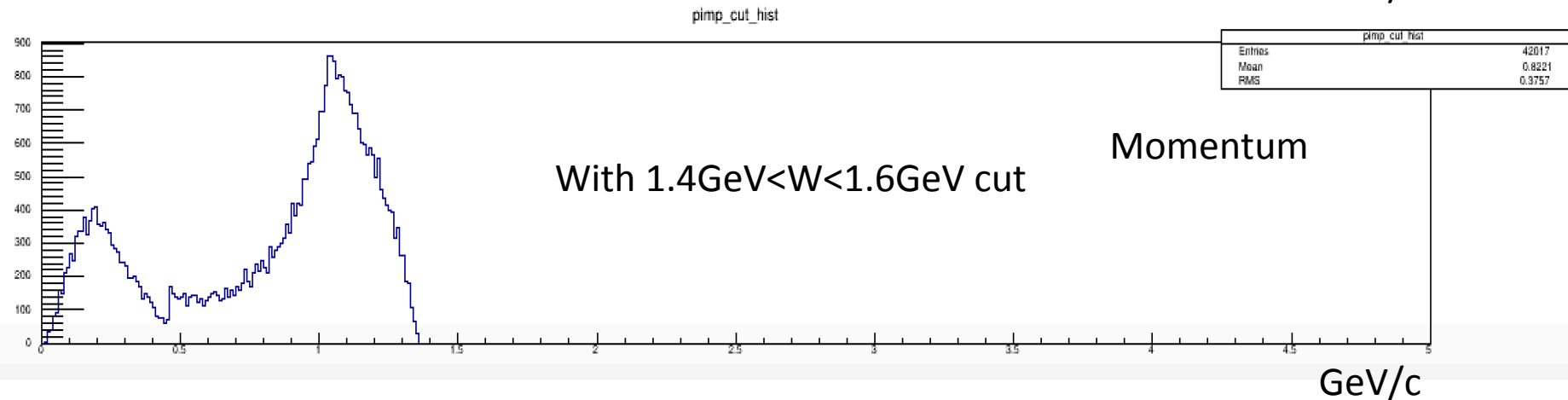
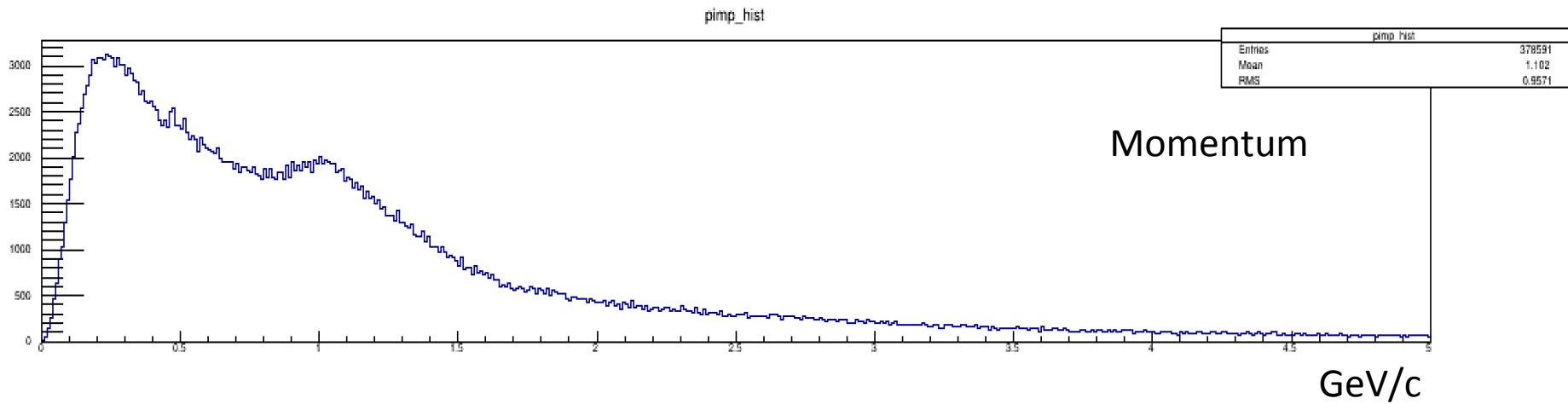
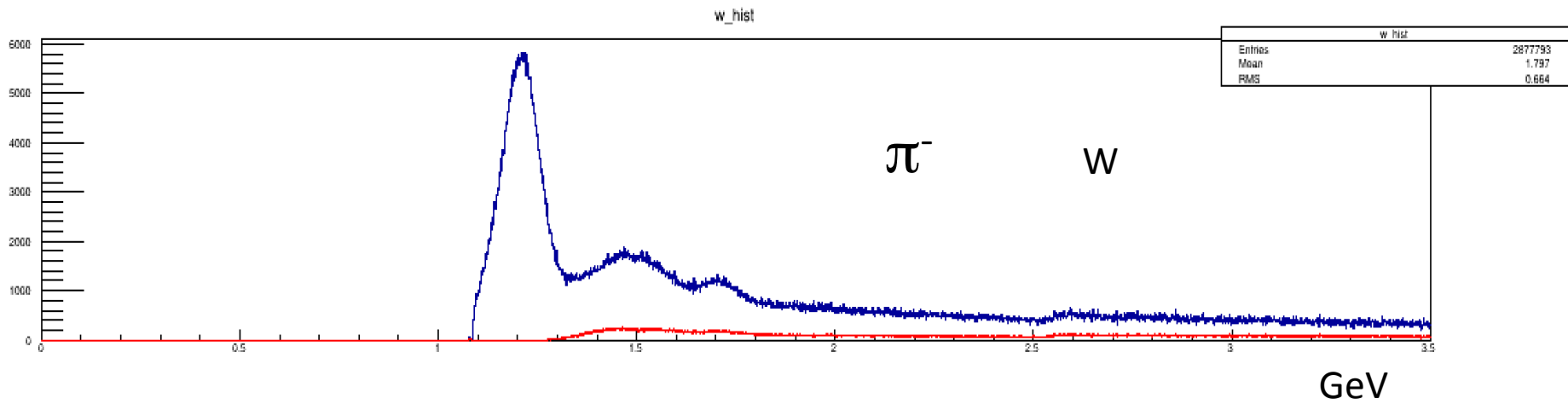


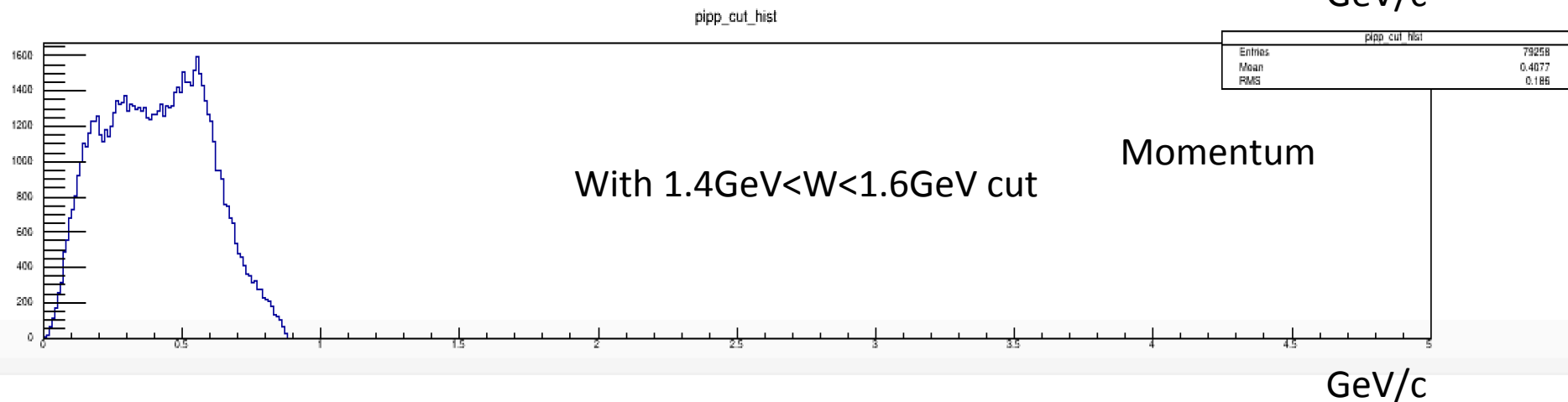
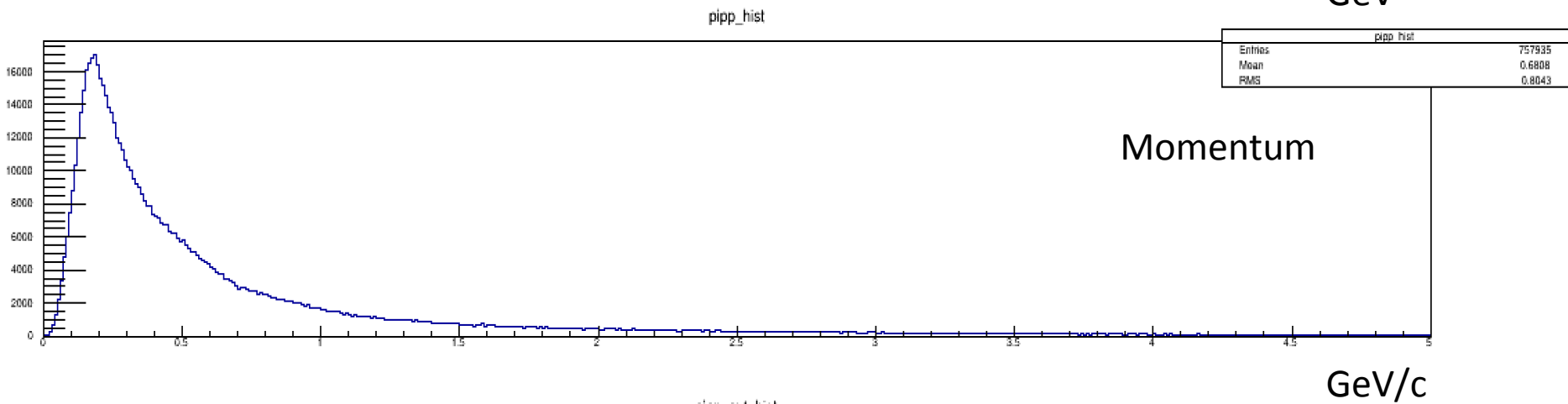
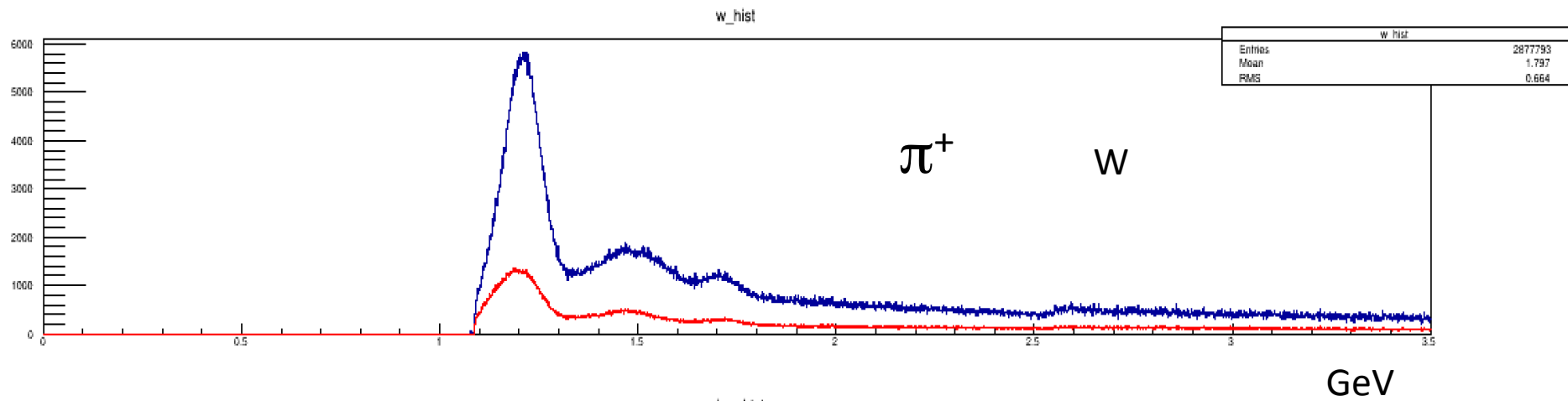
# Bggen Electroproduction



# Bggen Photoproduction







# Hadron Generator

$\gamma + p^+$  reactions

1.  $p^+ + \pi^0$

6.  $p^+ + \pi^0 + \pi^0$

2.  $n + \pi^+$

7.  $n + \pi^+ + \pi^0$

3.  $p^+ + \pi^+ + \pi^-$  (*non-res.*)

8.  $p^+ + \eta^0$

4.  $p^+ + \rho^0$

9.  $p^+ + \pi^+ + \pi^- + \pi^0$

5.  $\Delta^{++} + \pi^-$

10.  $n + \pi^+ + \pi^+ + \pi^-$

- Rate calculation for  $A > 1$ : isospin and charge symmetries

$$\sigma_{\pi^-}(A) = \sigma_{\pi^+}(p) * (A - Z) + \sigma_{\pi^-}(p) * Z$$