

## Nick's Inelastic Generator

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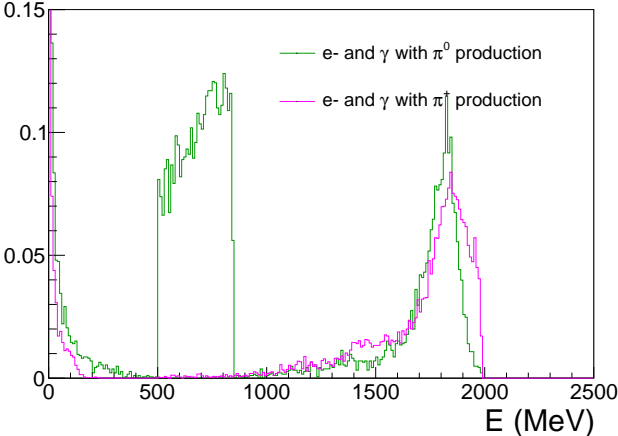


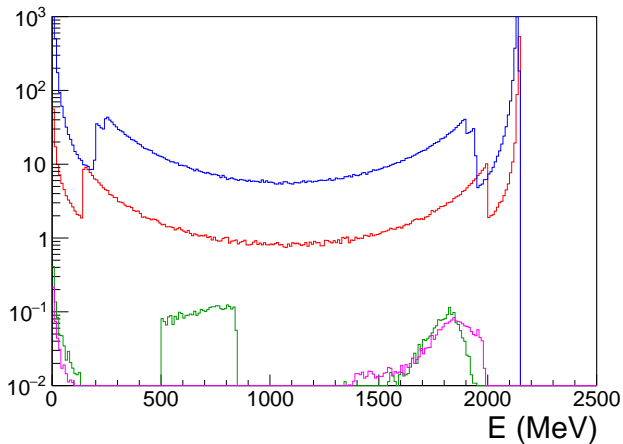
## Parameters

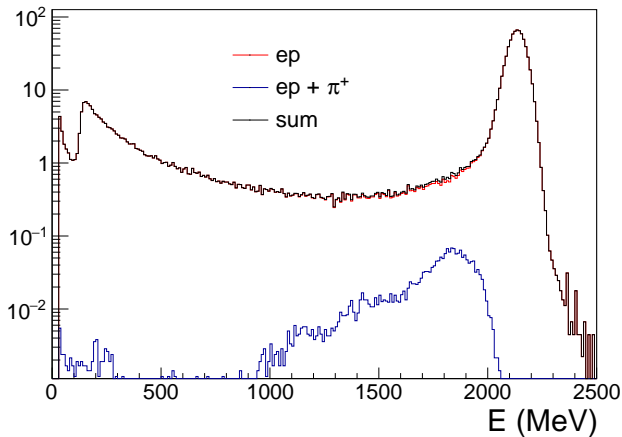
- ▶ Use MAID2007 parameterisation
- ▶ Two choices of outgoing mesons:  $\pi^0$  and  $\pi^+$
- ▶ Beam energy choice: 2.142 GeV
- ▶  $Q^2$  range choice:  $10^{-4} - 10^{-1}$  GeV<sup>2</sup> (can go to  $Q^2 = 0$  with more CPU time)
- ▶  $E'$  range choice 0.5 - 2.142 GeV (going lower require more CPU time and we want to focus on the peak)
- ▶  $E_{\gamma min} = 1$  MeV

## Acceptances:

- ▶ protons, neutrons and pions are negligible in the acceptance of the spectrometer
- ▶ only electrons and photons left







# $\theta$ Distributions after reconstruction $\theta > 3$ deg **PRad** <sup>oton</sup> <sub>adius</sub>

