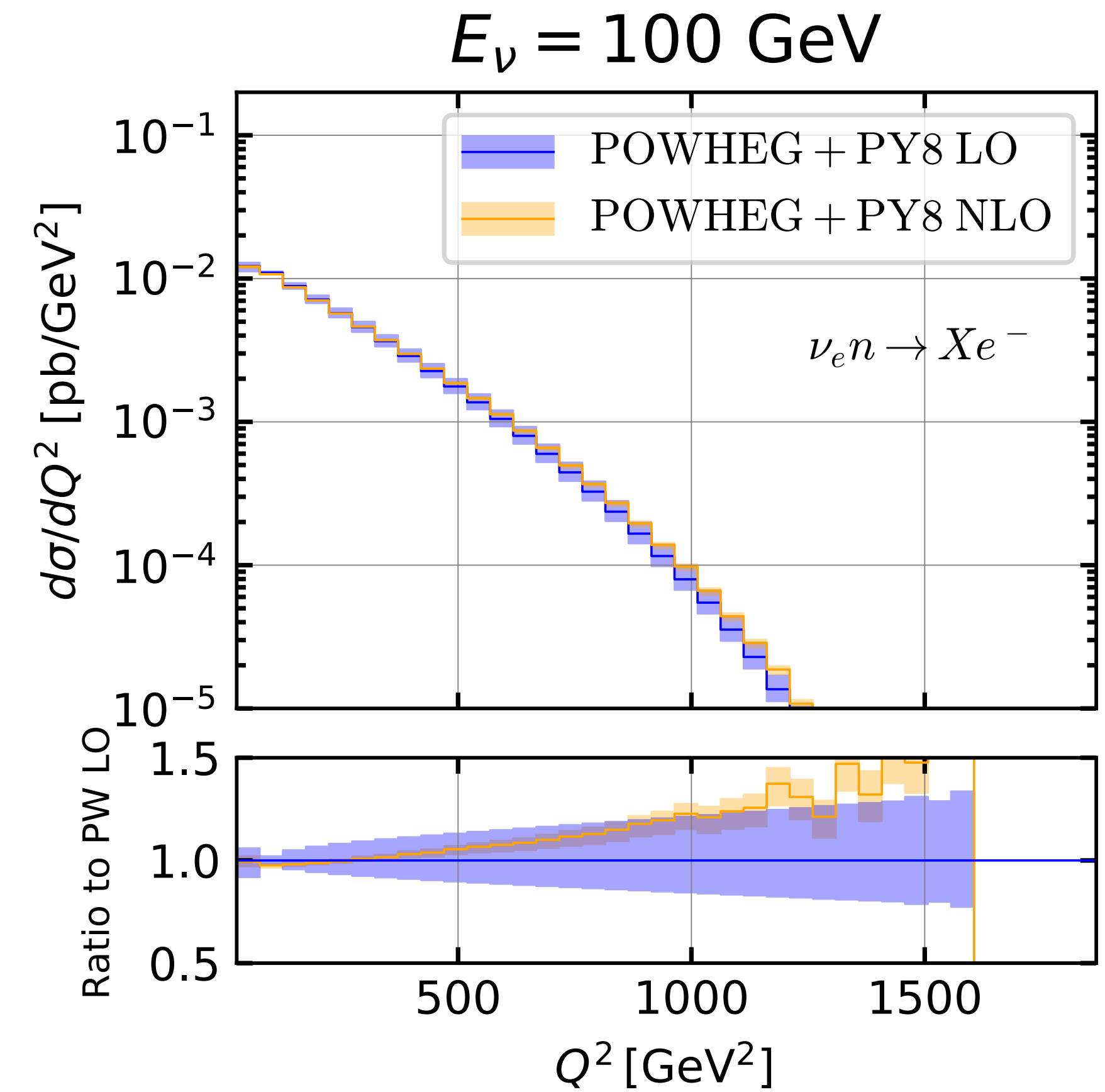
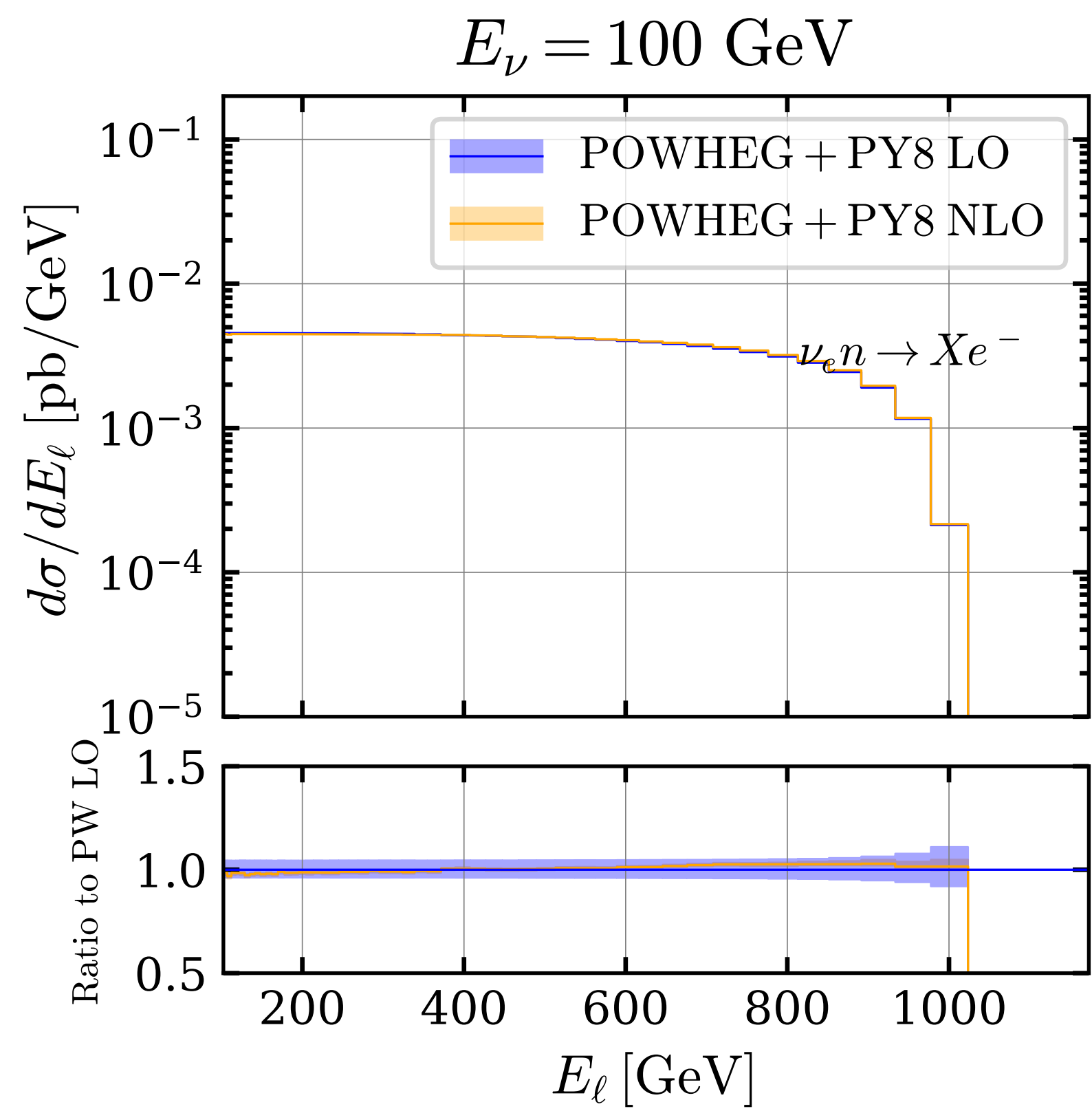
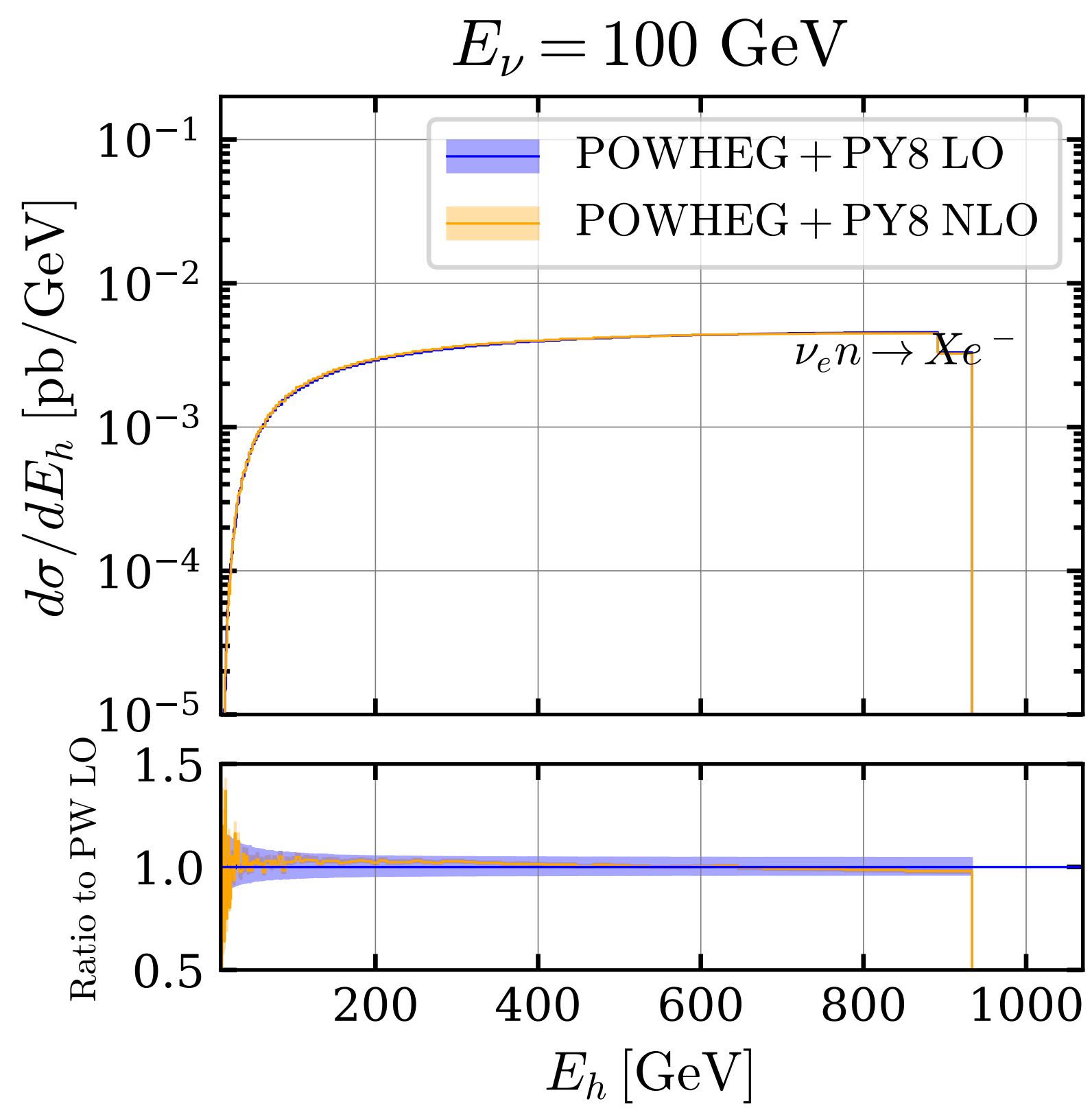


# **FASER meeting**

08/12/25

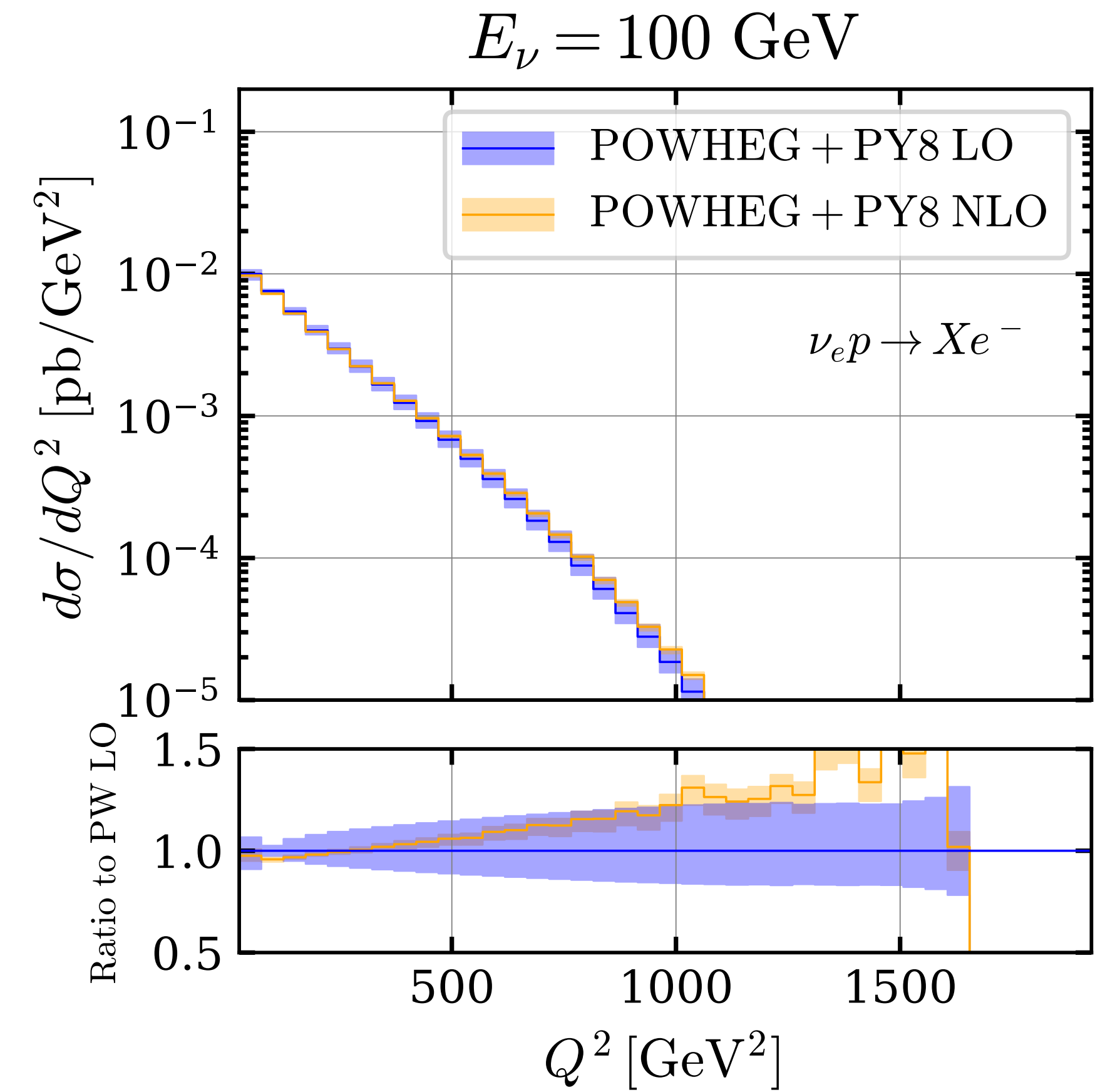
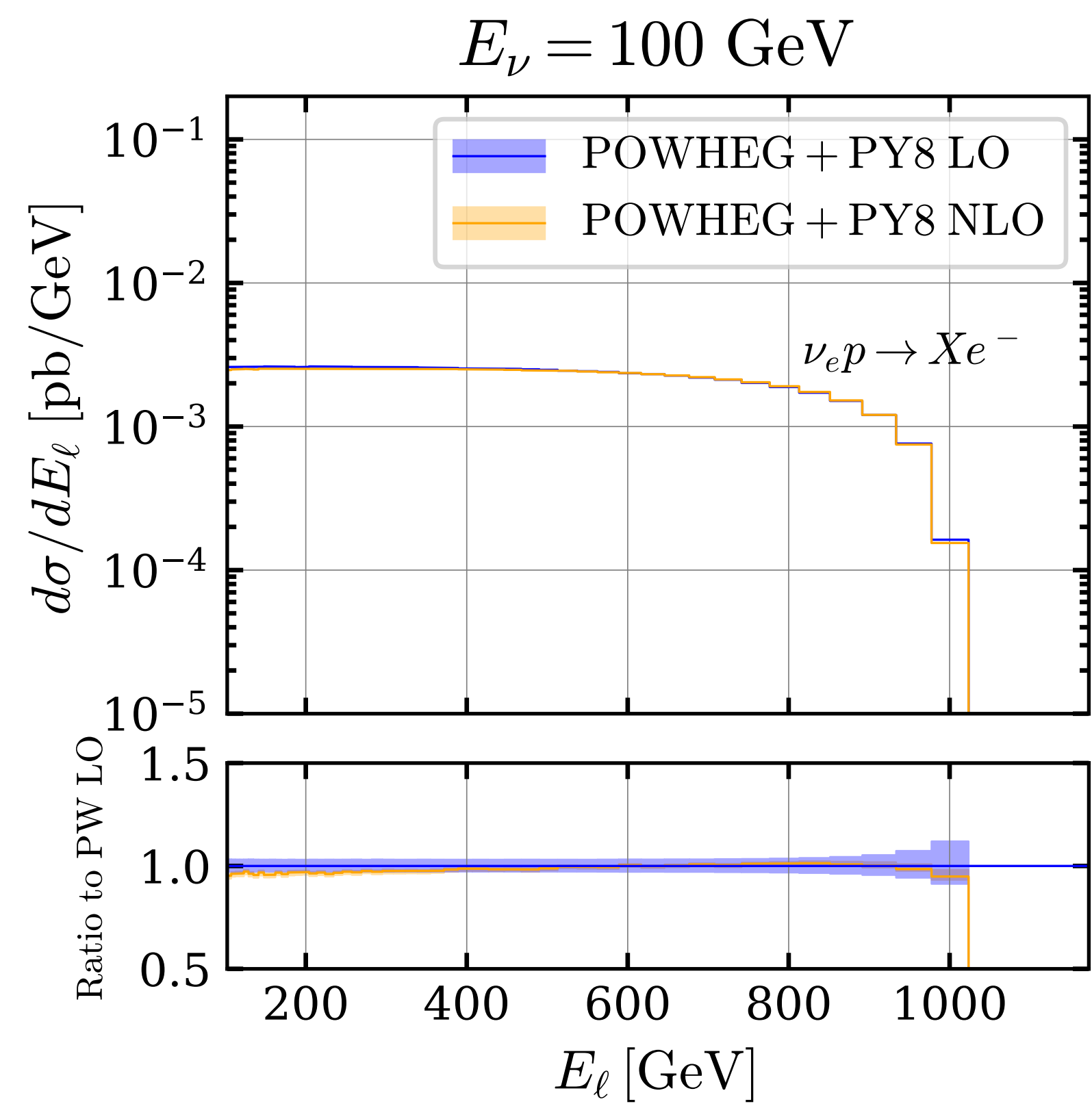
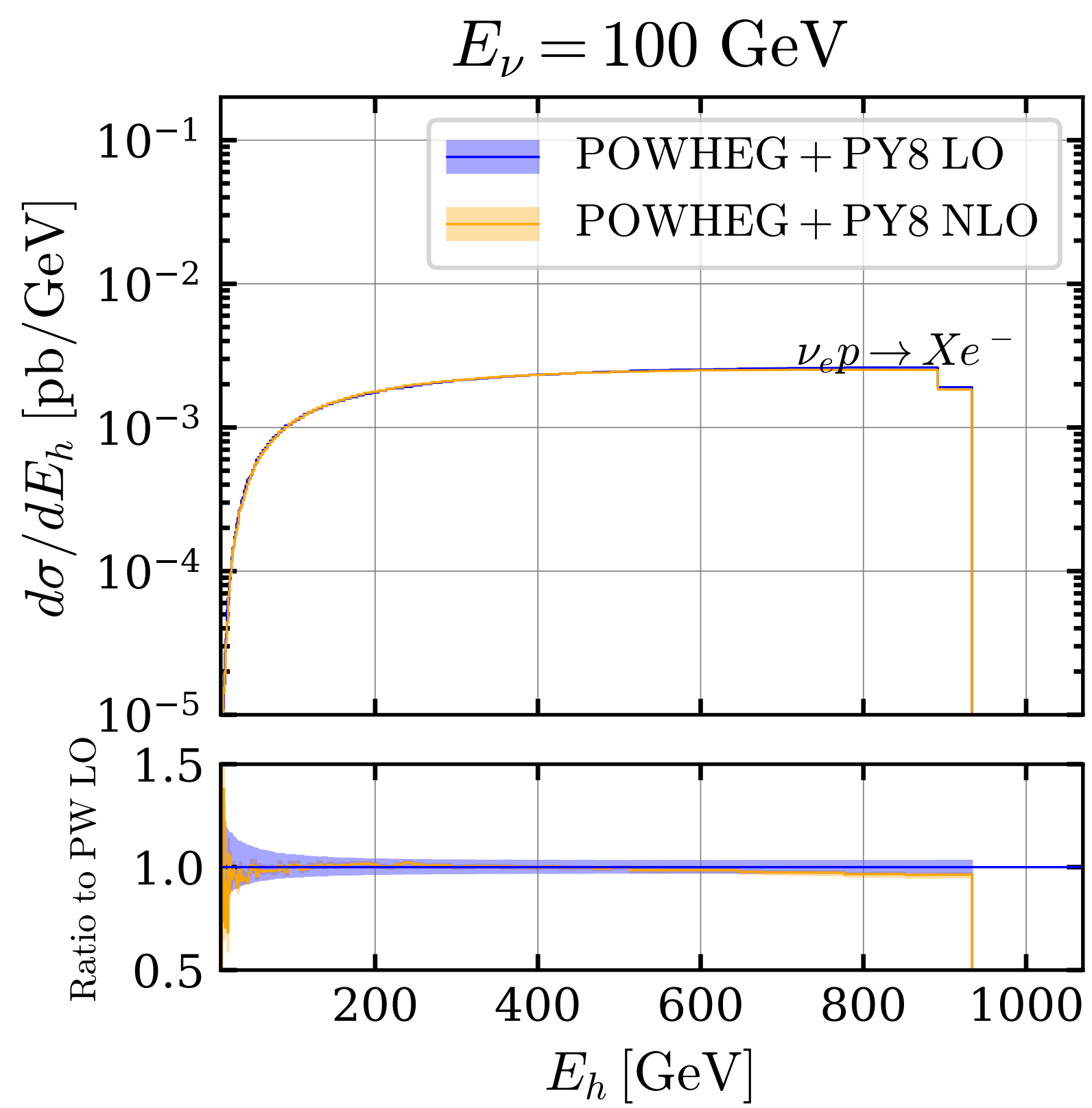
Paulina Hernandez Sainz

# Nue-n (LO vs NLO) 100GeV 10M events



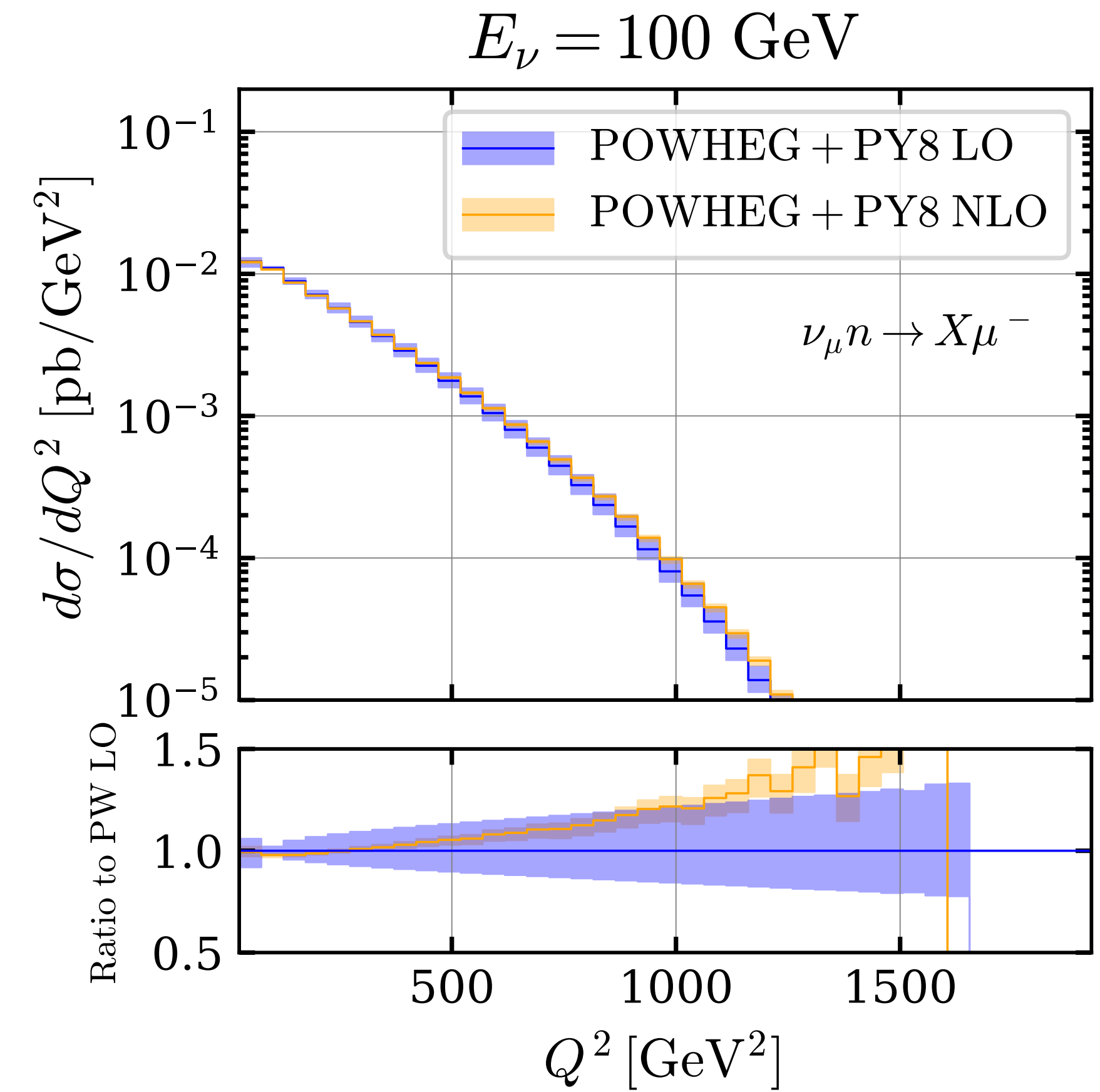
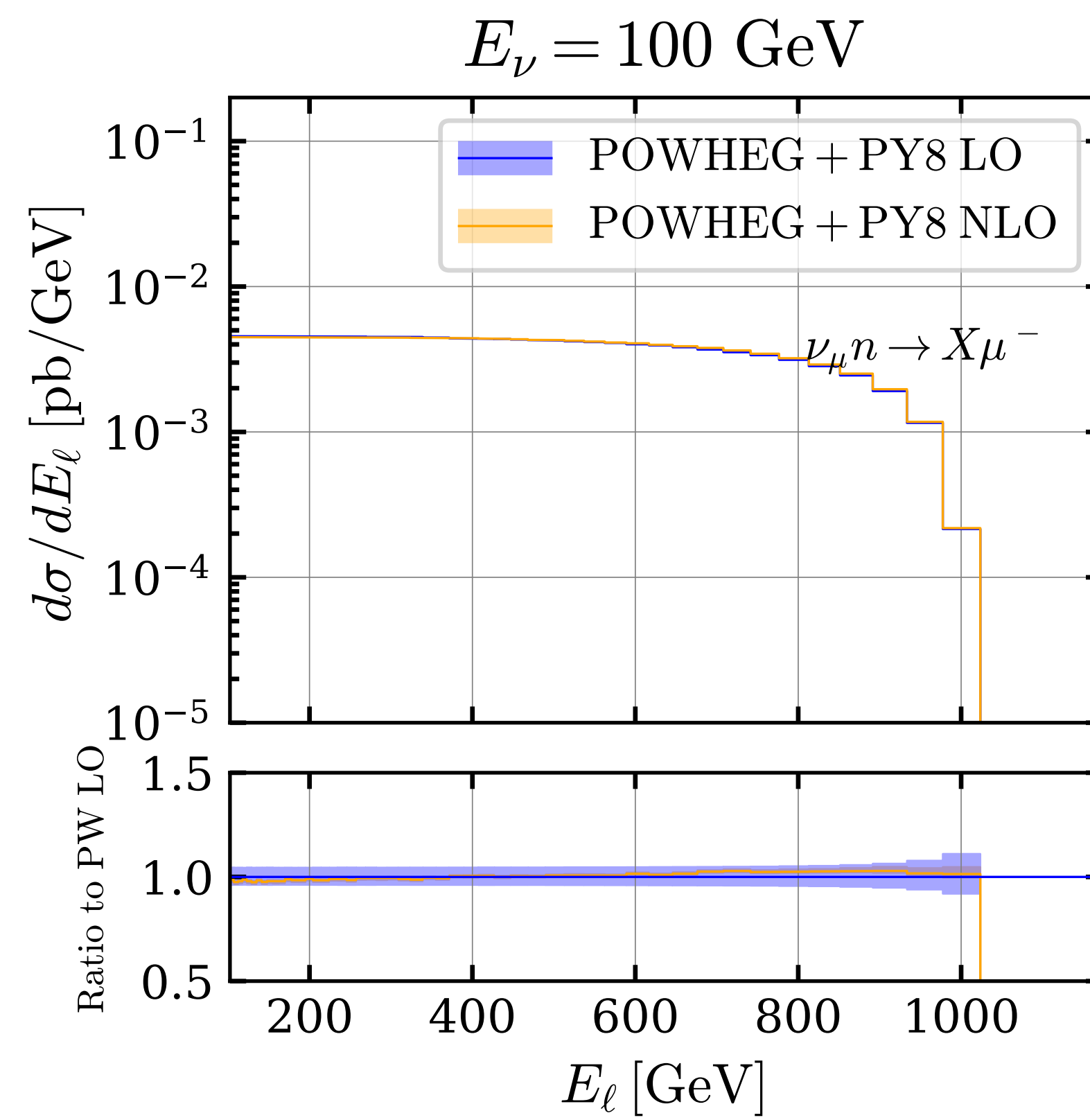
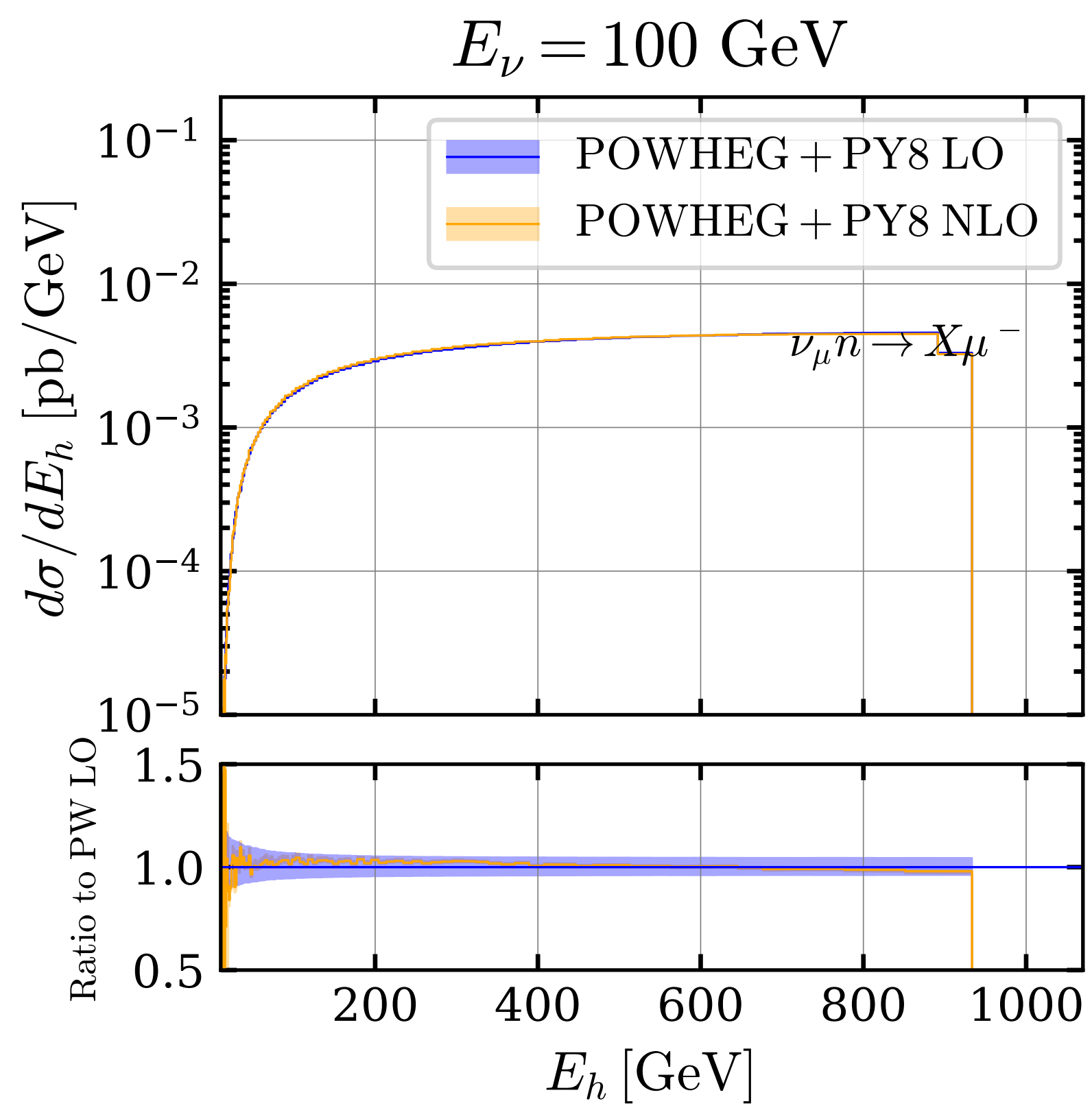
# Nue-p (LO vs NLO) 100GeV

## 10M events



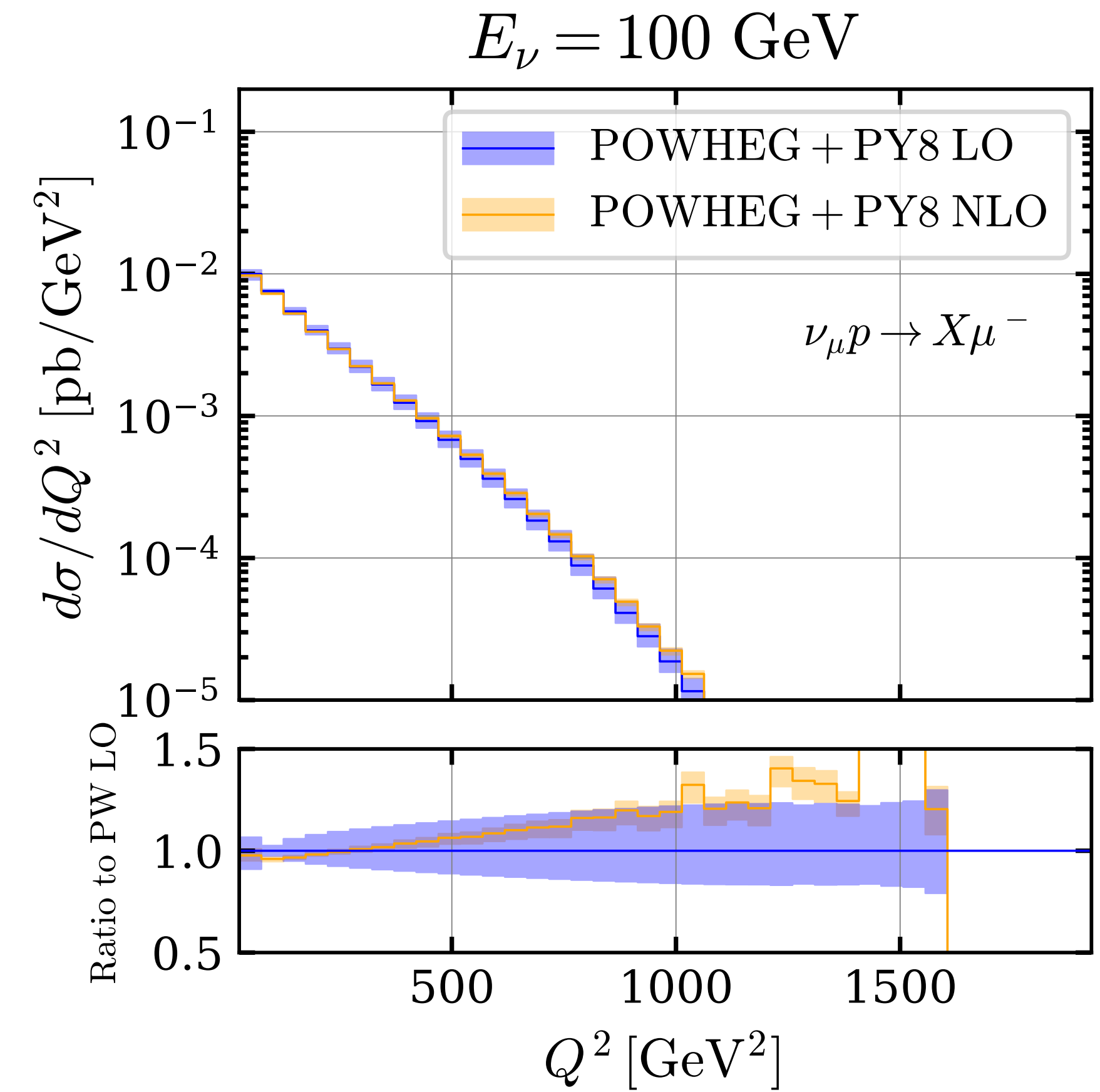
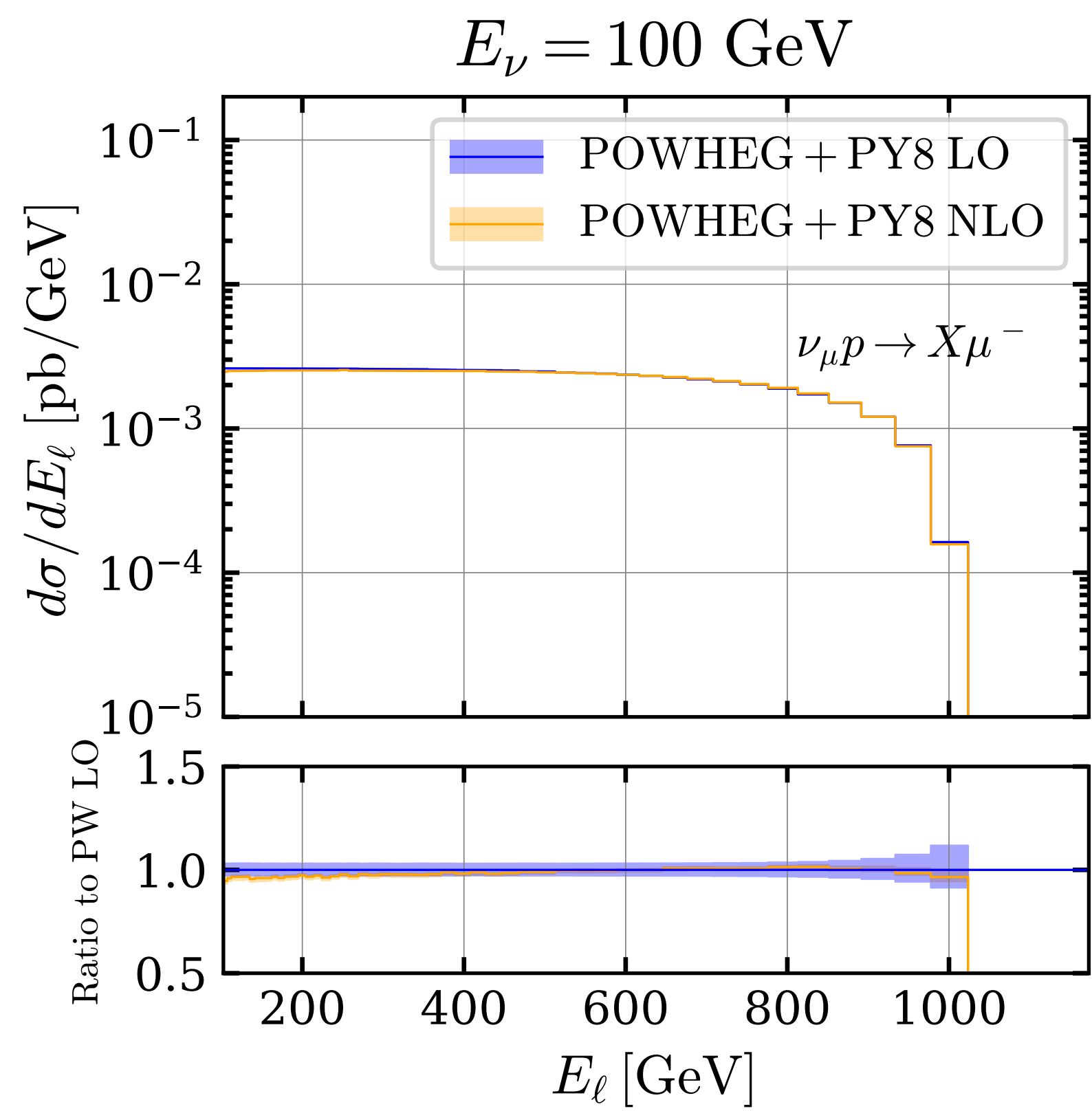
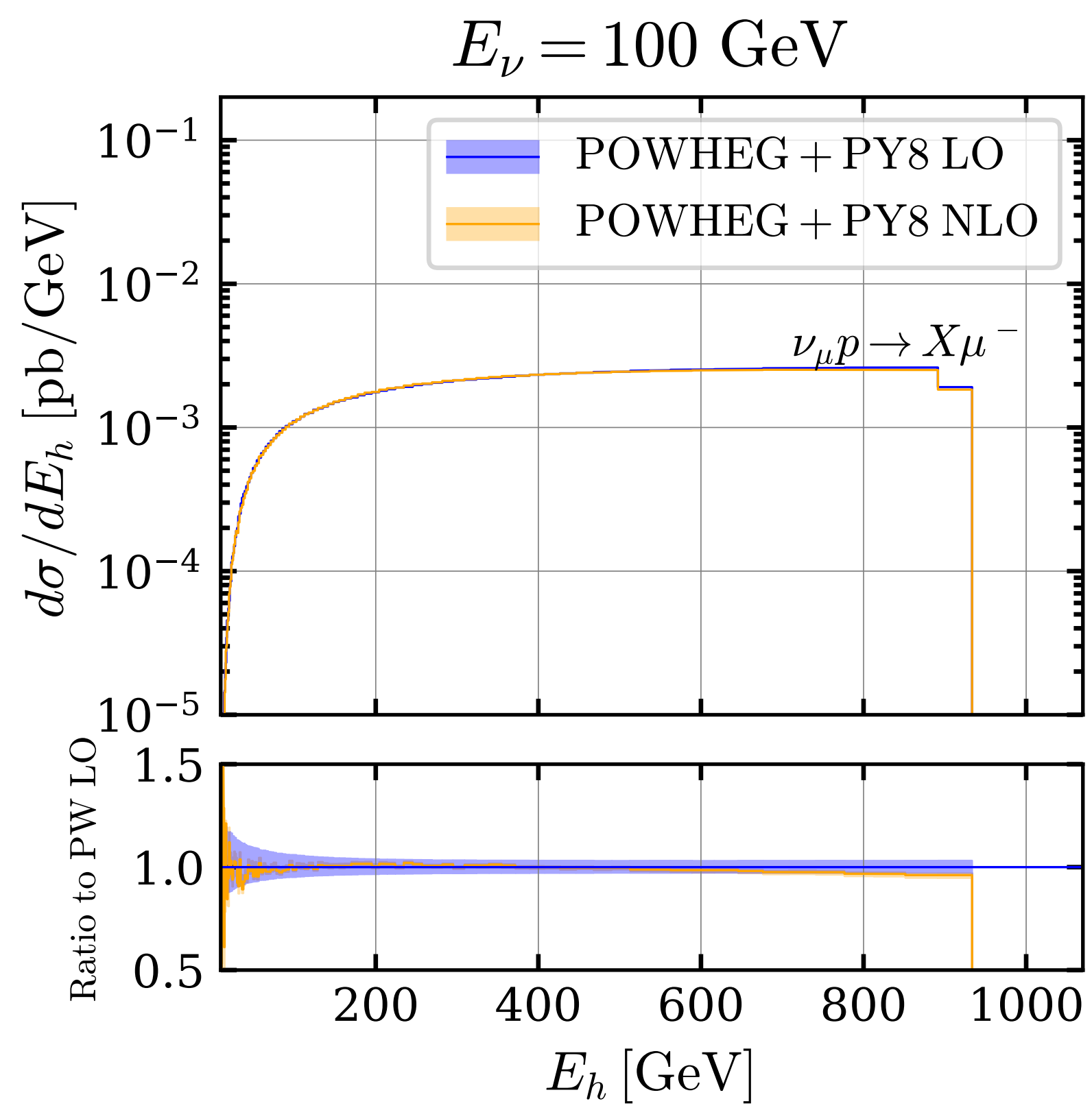
# Numu-n (LO vs NLO) 100GeV

## 10M events



# Numu-p (LO vs NLO) 100GeV

## 10M events



# Next up

- Strange cutoff?
- Ratio to PWLO behaviour?
- Full suite of observables (Theda,  $x$ , pion?, kaon?)
- Higher energies: 1 TeV, 10 TeV, 100 TeV, 1PeV (and more!)
- More events
- Related: Currently writing a paper for Philosophy of Physics on Simulation Epistemology