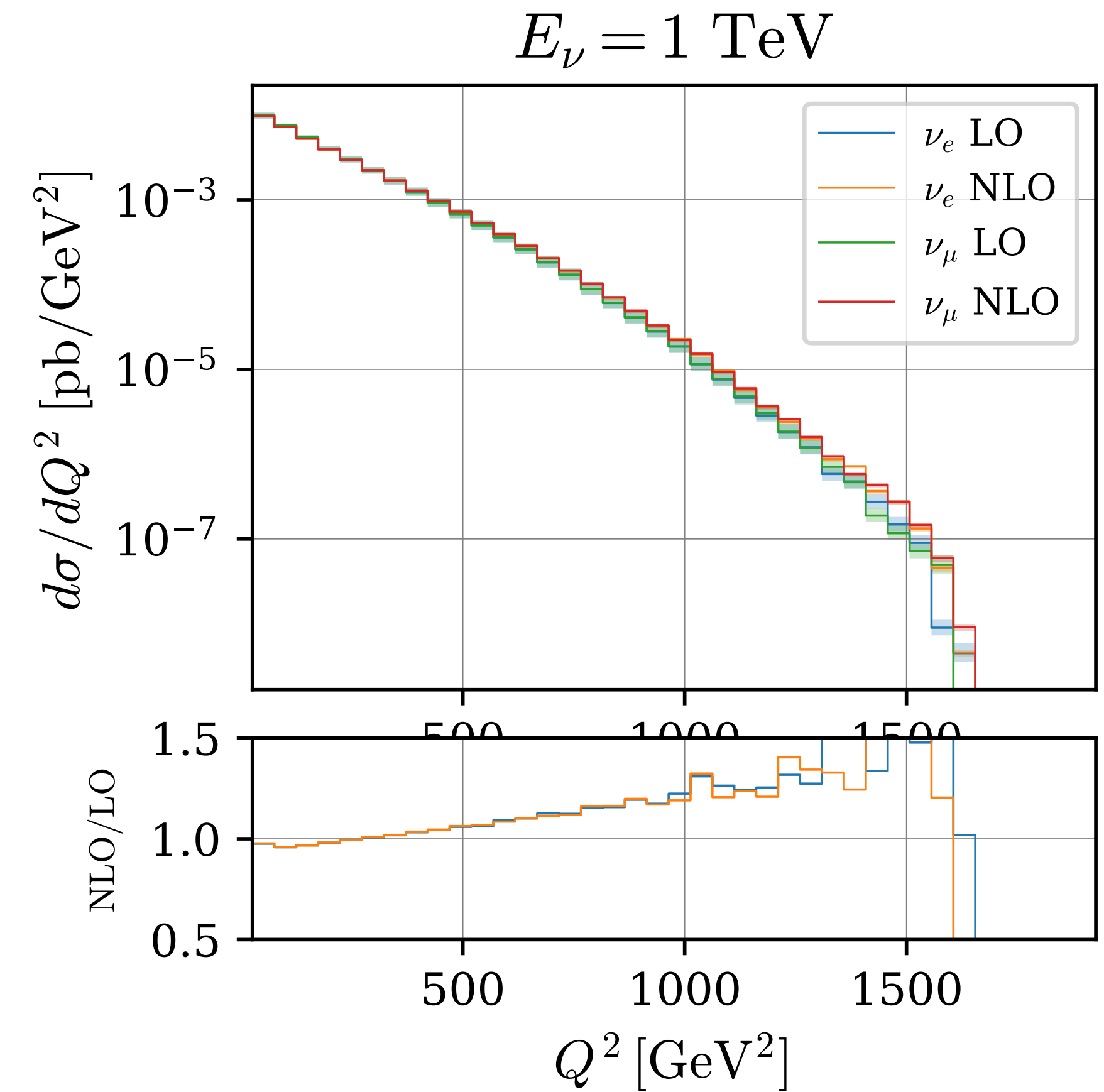
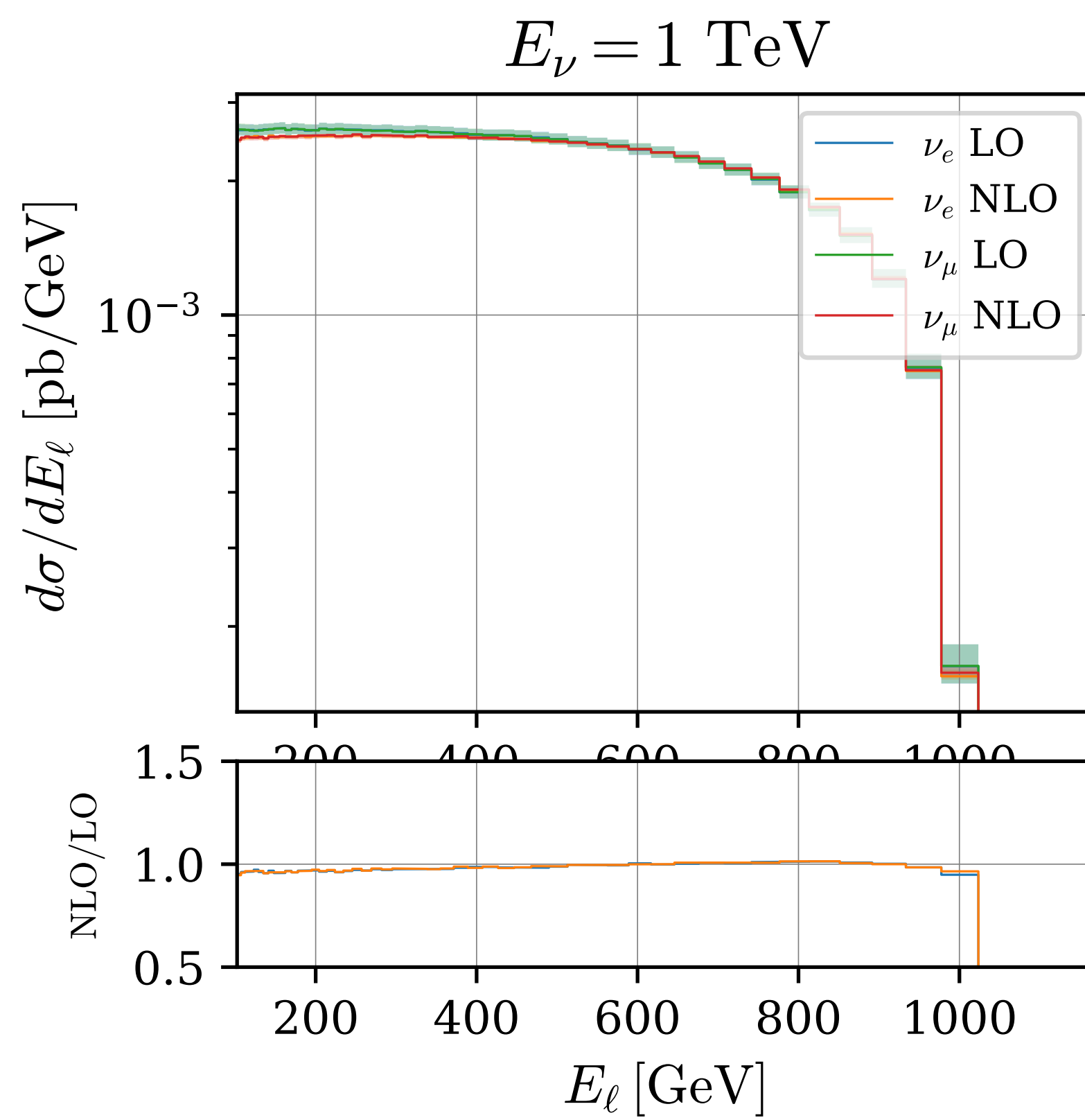
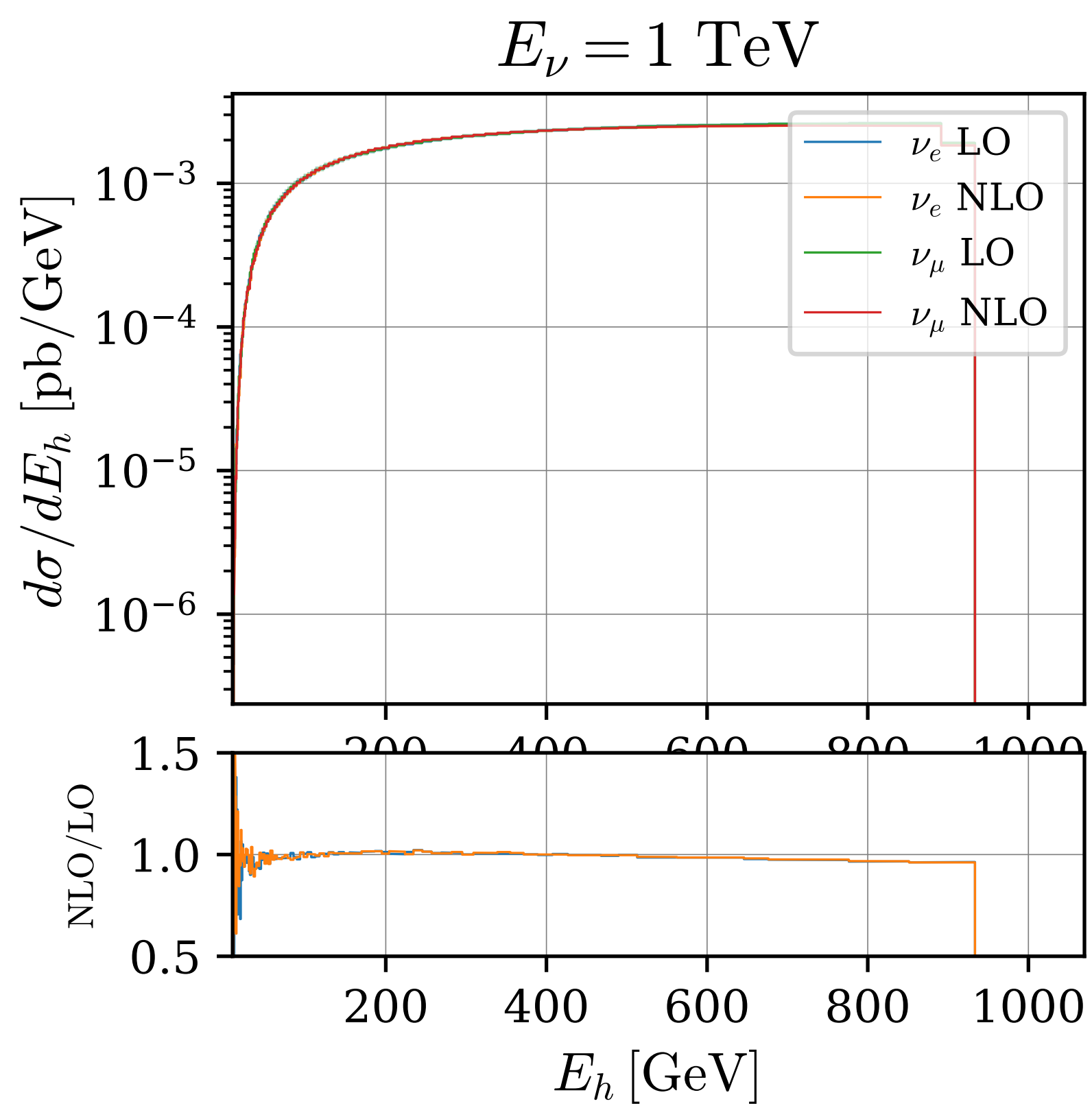


# **FASER meeting**

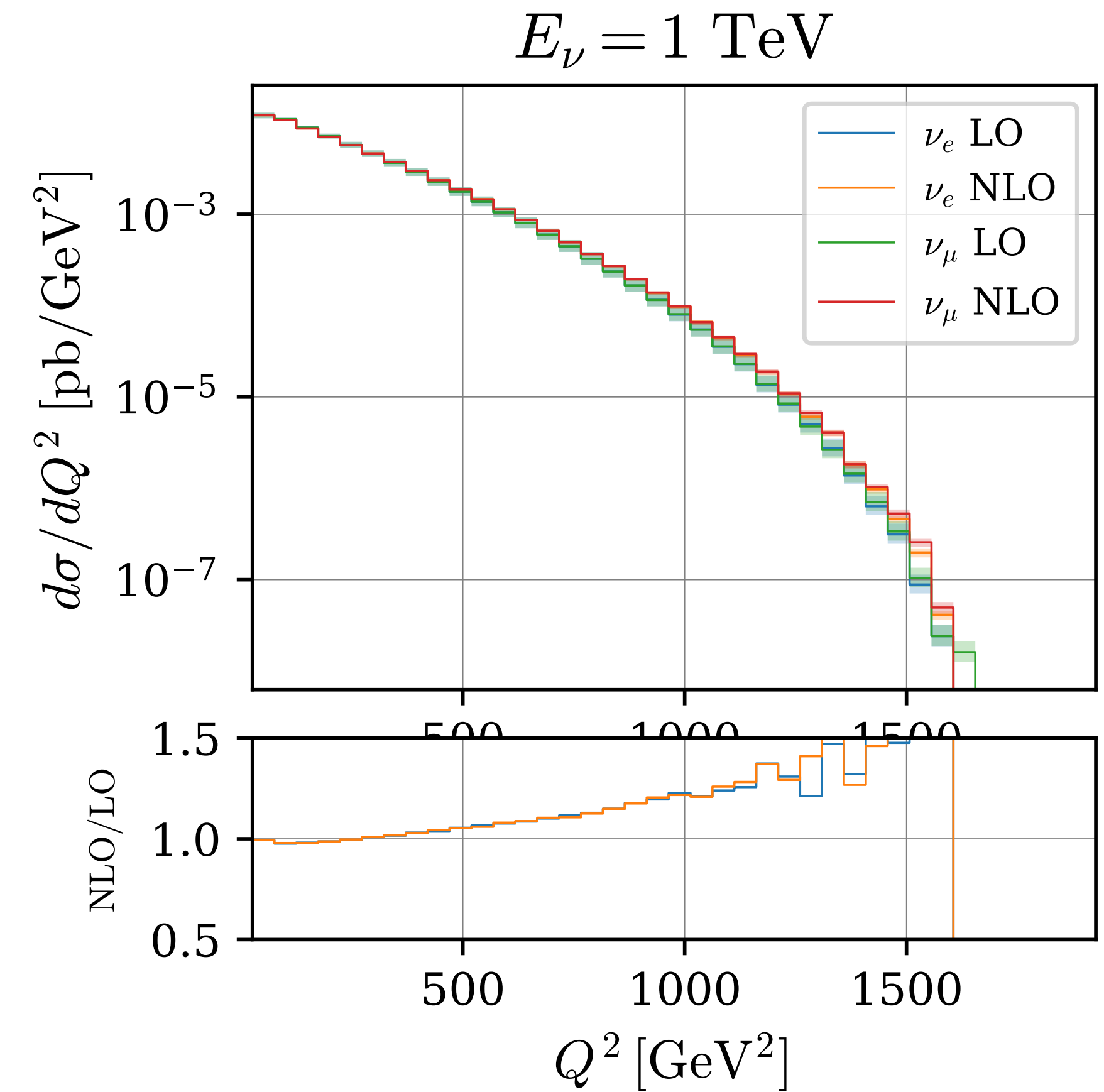
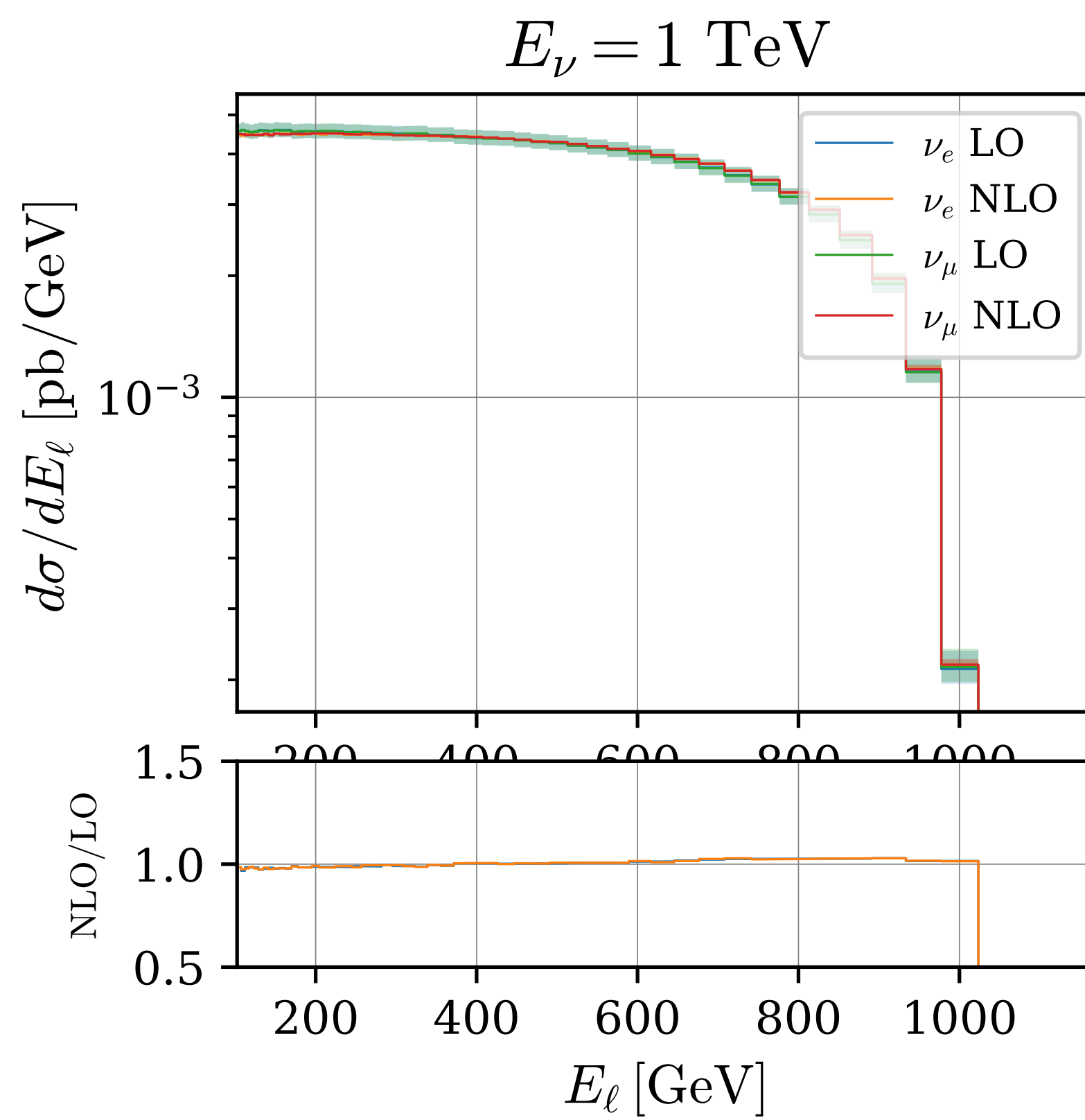
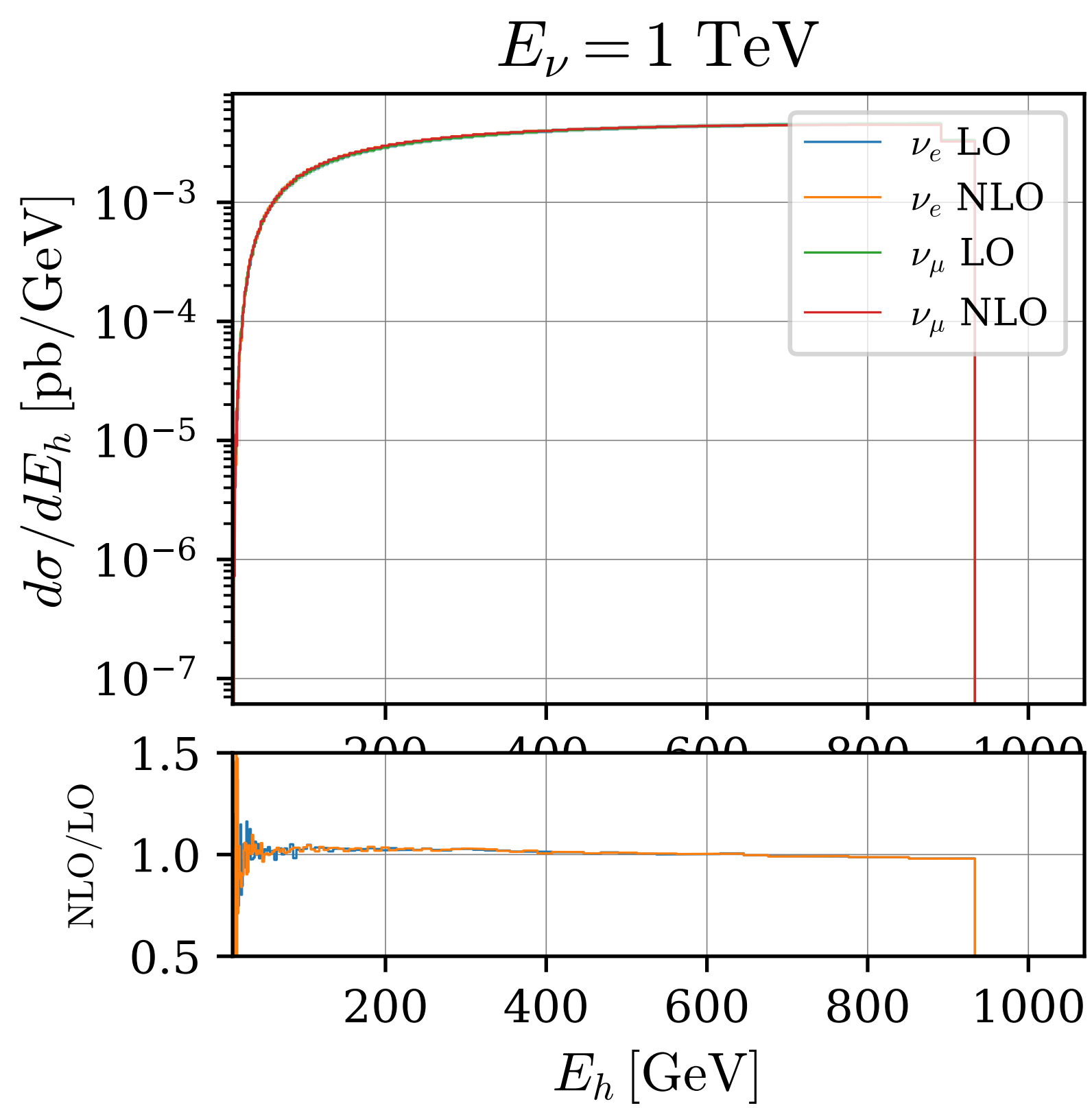
05/01/26

Paulina Hernandez Sainz

# Nue-p & Numu-p (LO vs NLO) 1TeV 10M events



# Nue-n & Numu-n (LO vs NLO) 1TeV 10M events



# Since the last time

- (Belated) Merry Christmas & Happy New Year
- Submitted Thesis Proposal
- Neutrino energy was indeed 1 TeV not 100GeV
- Sharp drop off, not cut-off
- Nu\_e & Nu\_mu plotted together show no difference
- Finished writing my Philosophy of Physics paper on Simulation Epistemology. Want to read it? Let me know!

# Next up

- Higher energies: 10 TeV, 100 TeV, 1PeV (and more!)
- Run 2 batches at once (Will need your help Ellie 🙄🙄)
- More events
- Compare to YADISM, GENIE
- ~Full time doing thesis now
  - Except I have one academics skills course (p3) & PP2 (p4)