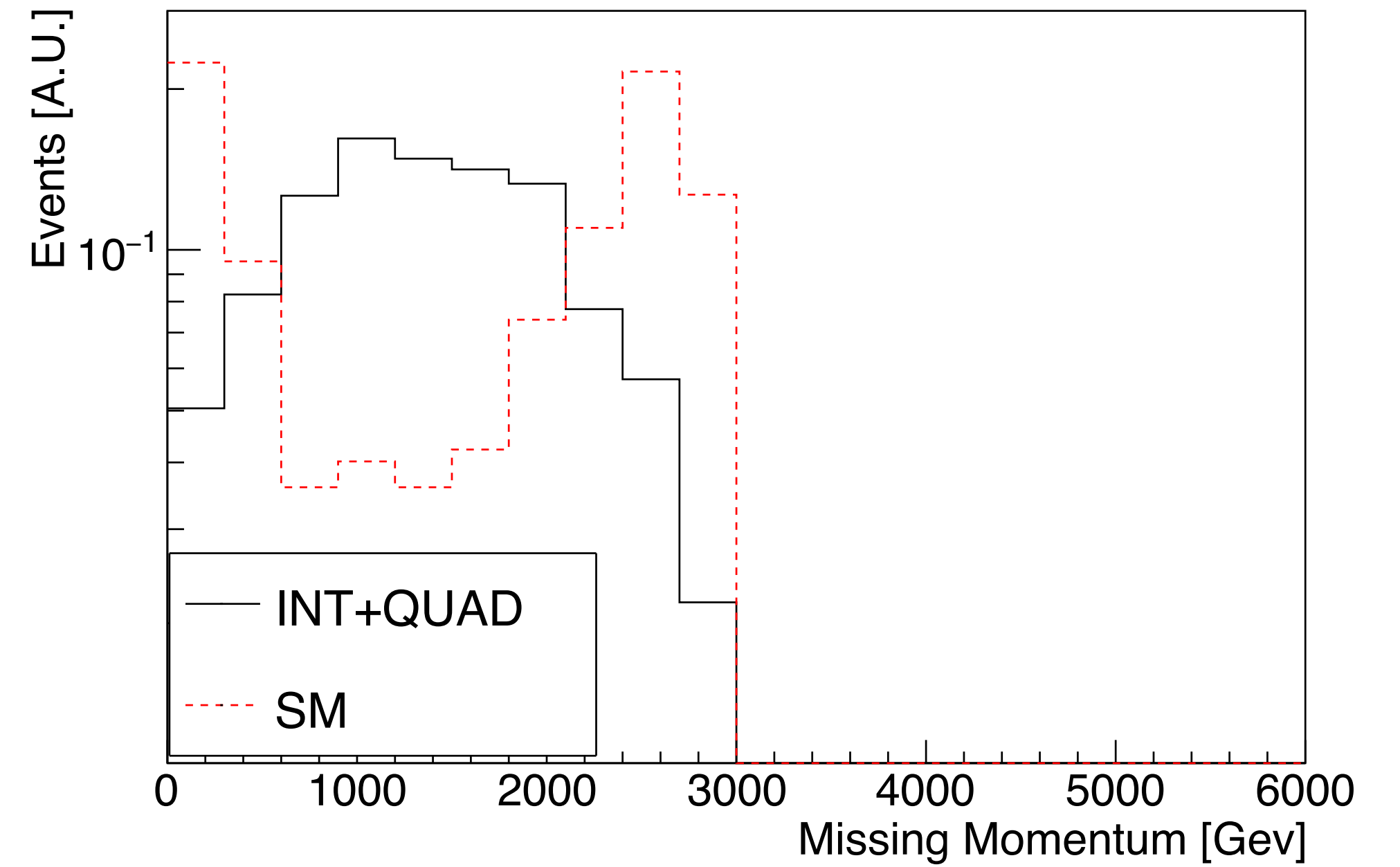
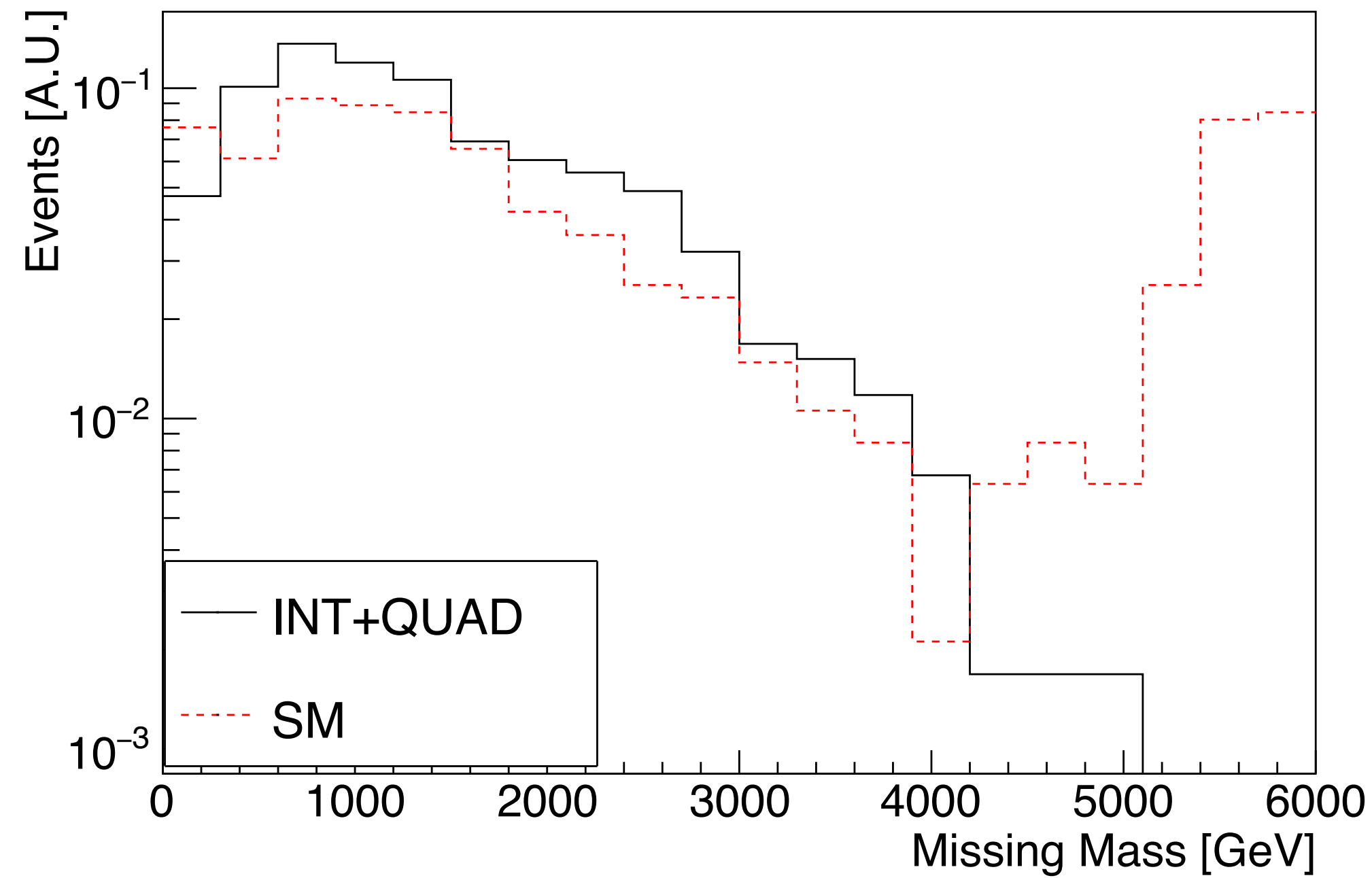


Mumu Channel Update

Connor Waits 4-26-22

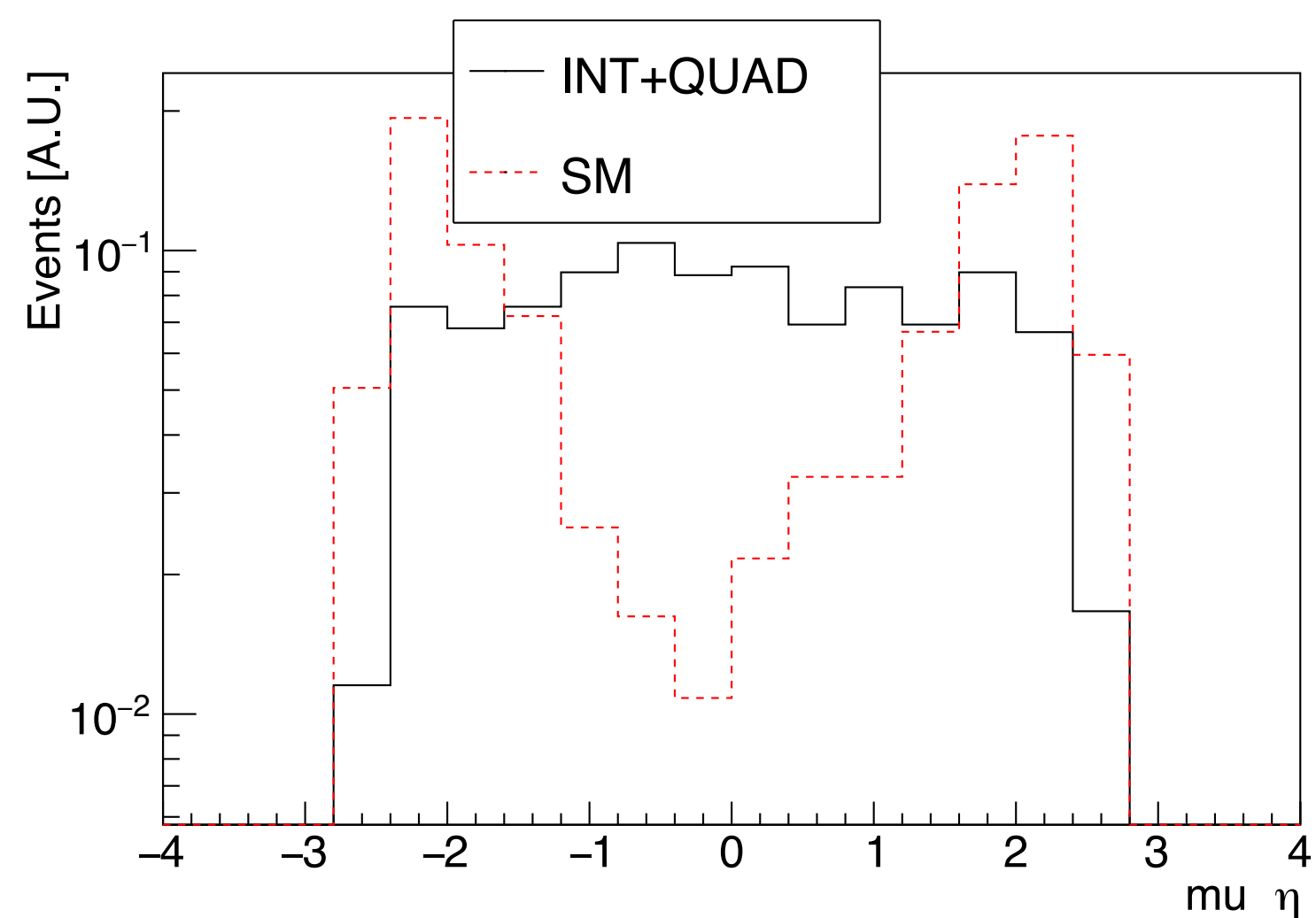
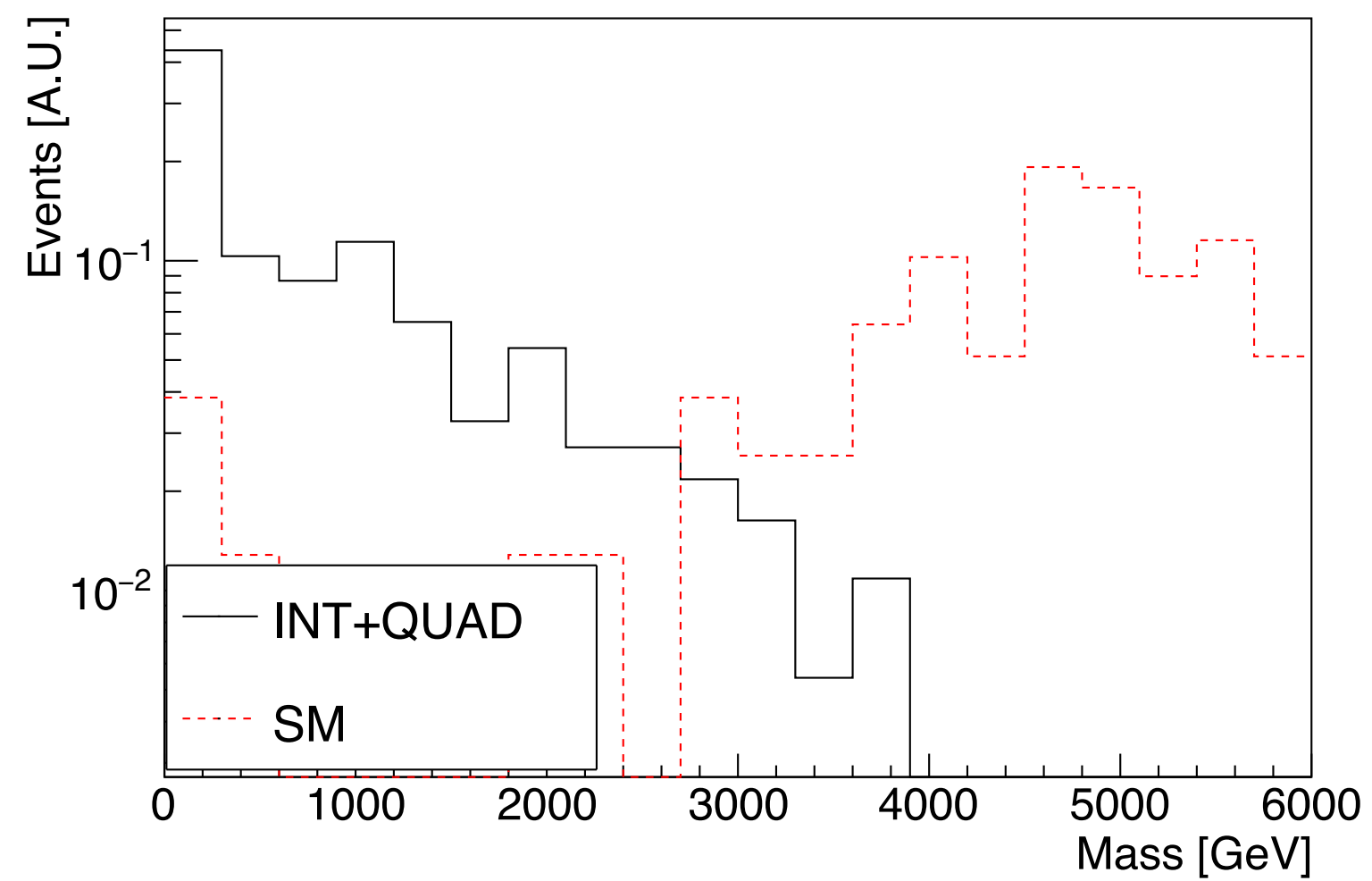
Event Selection:
 Number of muons ≥ 1
 Number of electrons = 1
 $50 \text{ GeV} < \text{dijet mass} < 100 \text{ GeV}$ (VLCjetR15N2)

| | N_mu ≥ 1 | N_e=1 | 50<dijet_mass<100 | Efficiency |
|----------|---------------|--------|-------------------|------------|
| INT+QUAD | 71.69% | 16.96% | 48.85% | 5.94% |
| SM | 23.75% | 9.42% | 21.11% | 0.47% |

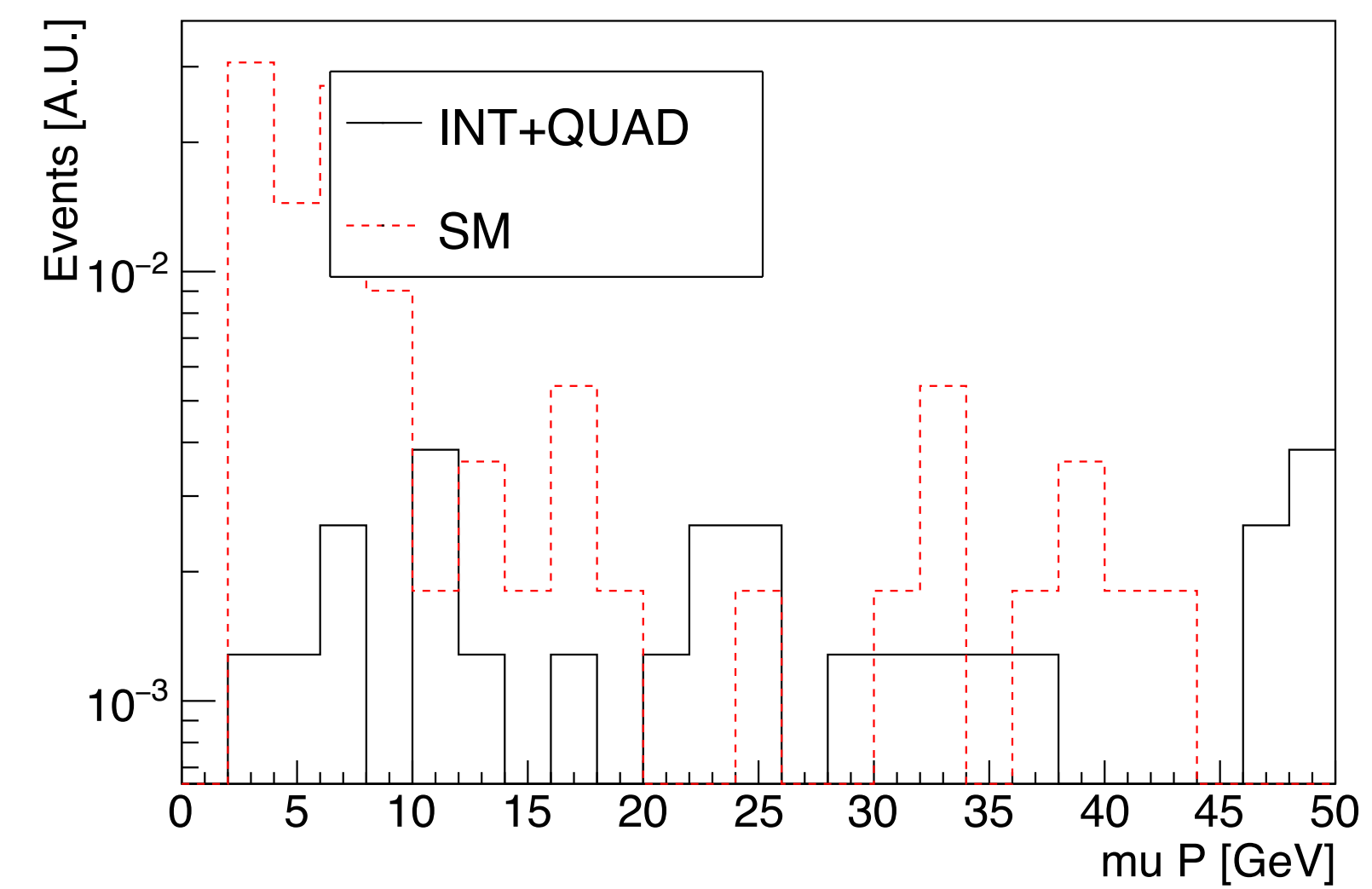
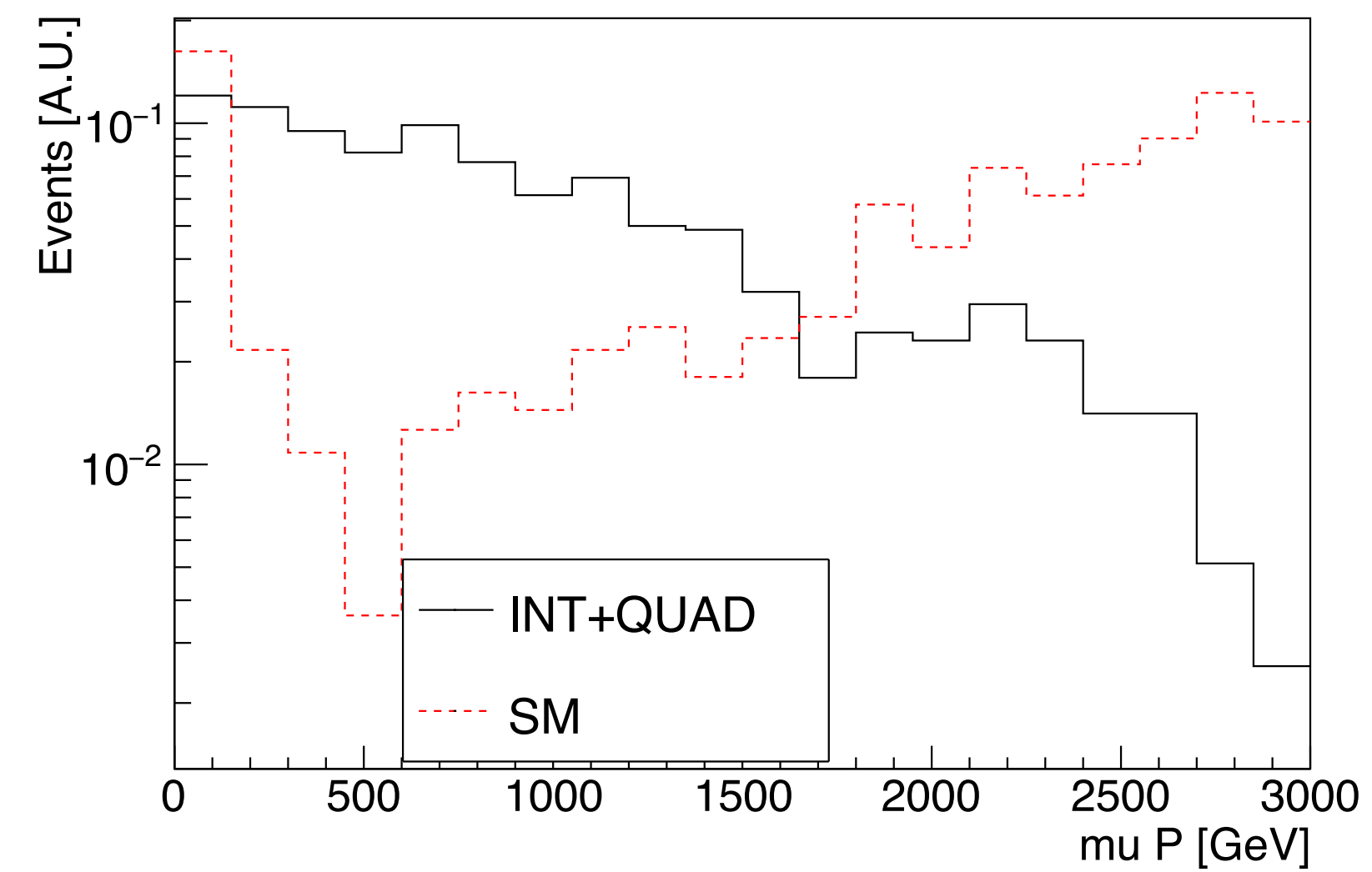
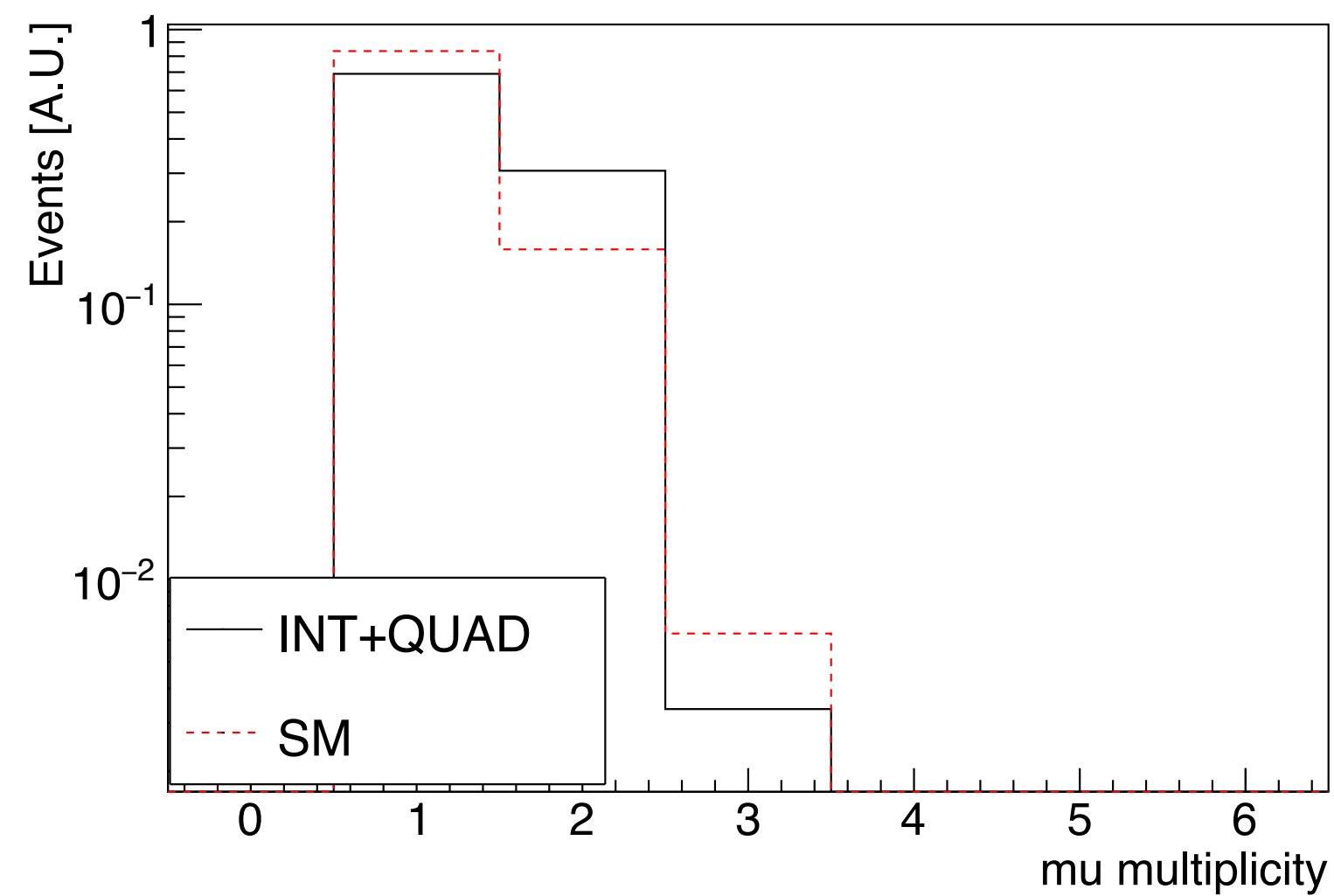


Dimuon Mass

(Only for events with 2 or more muons,
using leading & sub-leading in momentum)



Muon plots



Electron Plots

