Plugin Selection Criteria
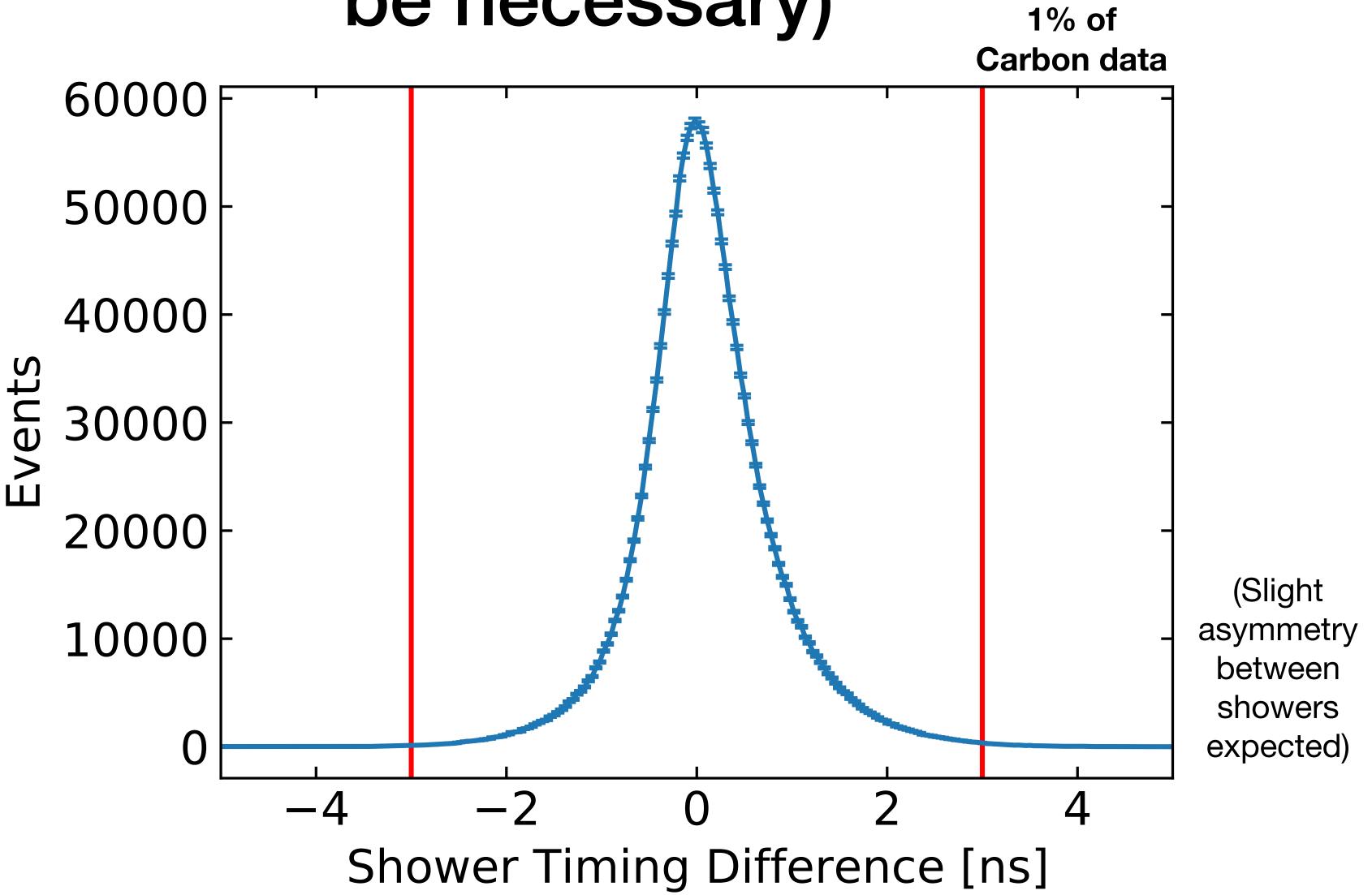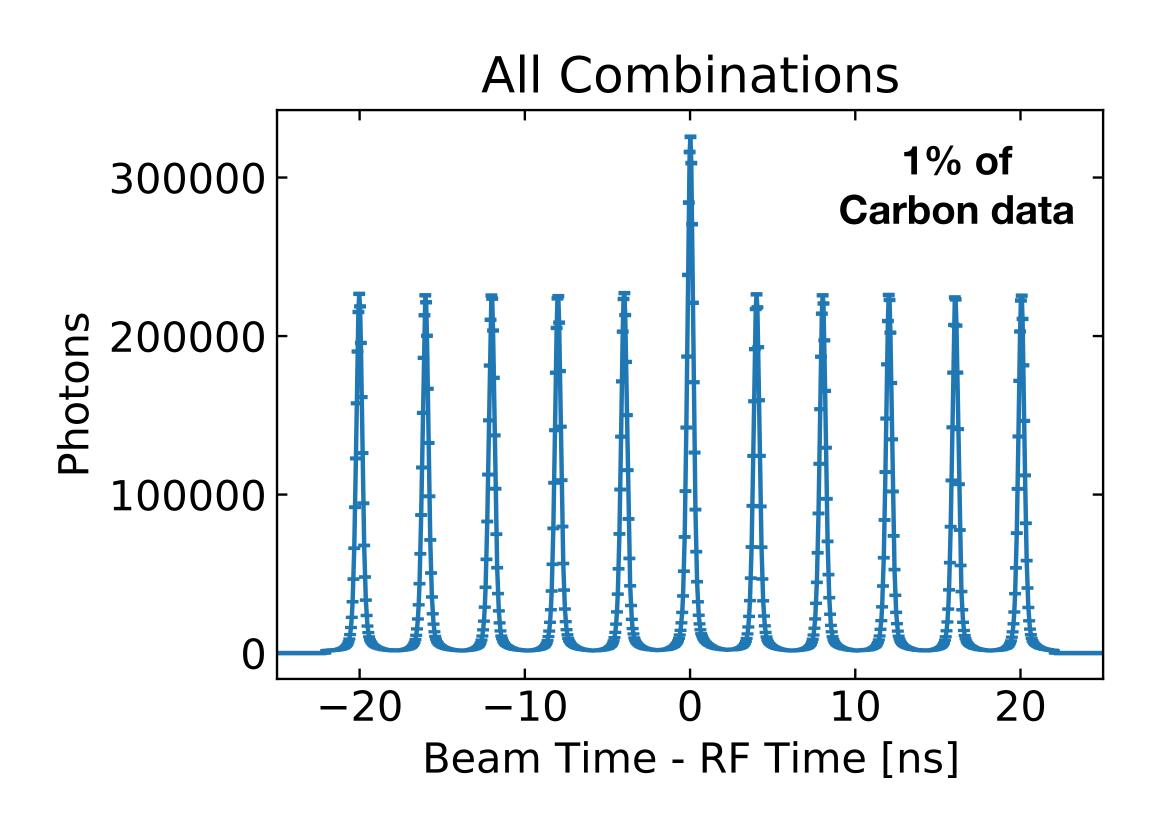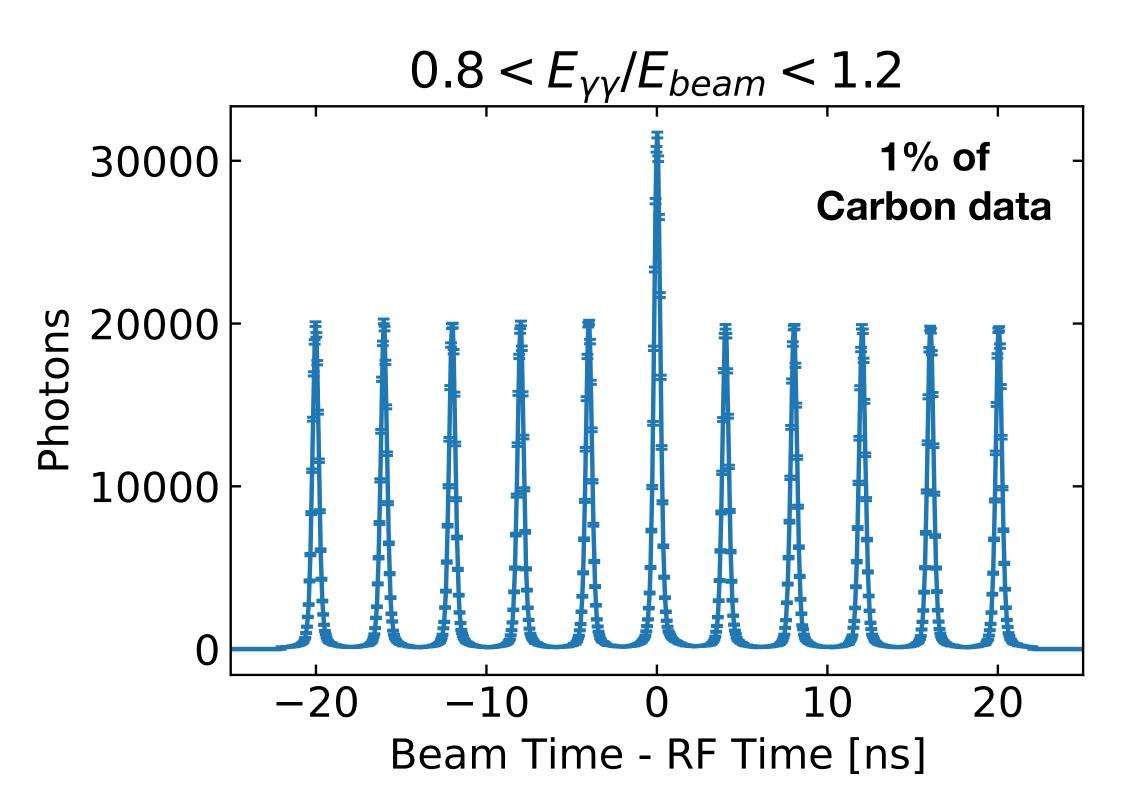
- No charged tracks allowed (yet?)

- Exactly 2 FCAL or BCAL showers allowed satisfying:

  - $|t_{shower} - t_{RF}| < 3$ ns

  - $E_{shower} > 0.5$ GeV

  - Not in inner layer of the FCAL

- Showers not satisfying this are allowed

- Events with TOF hit within 6×6 cm^2 around track vetoed

- No SC veto (yet?)

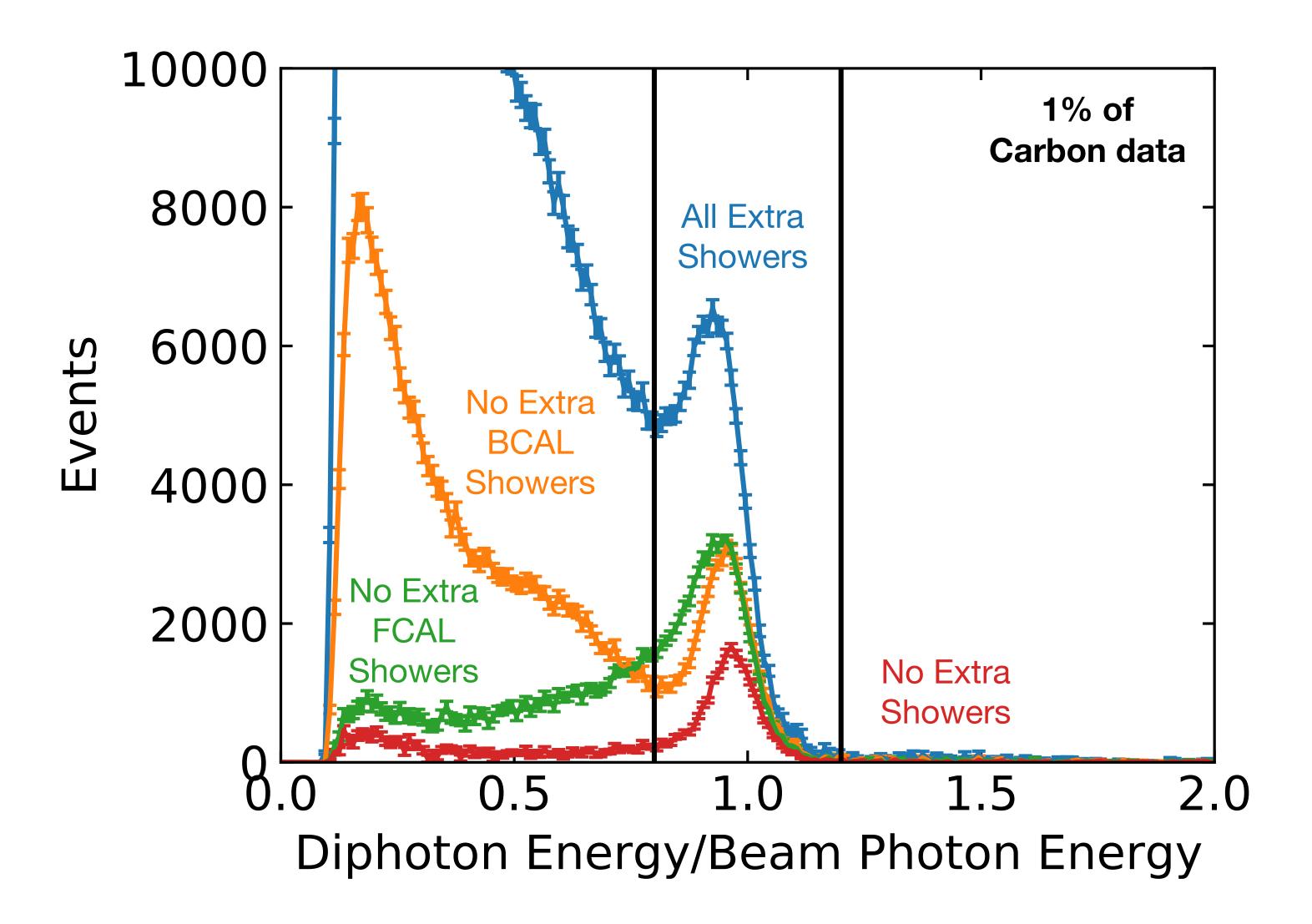# Showers required within 3 ns (cut may no longer be necessary)

1% of Carbon data

(Slight asymmetry between showers expected)

Beam photons subtracted using 8 side-bands

Elasticity

Diphoton Mass Spectrum

All Extra Showers

No Extra FCAL Showers

No Extra BCAL Showers

No Extra Showers

1% of Carbon data
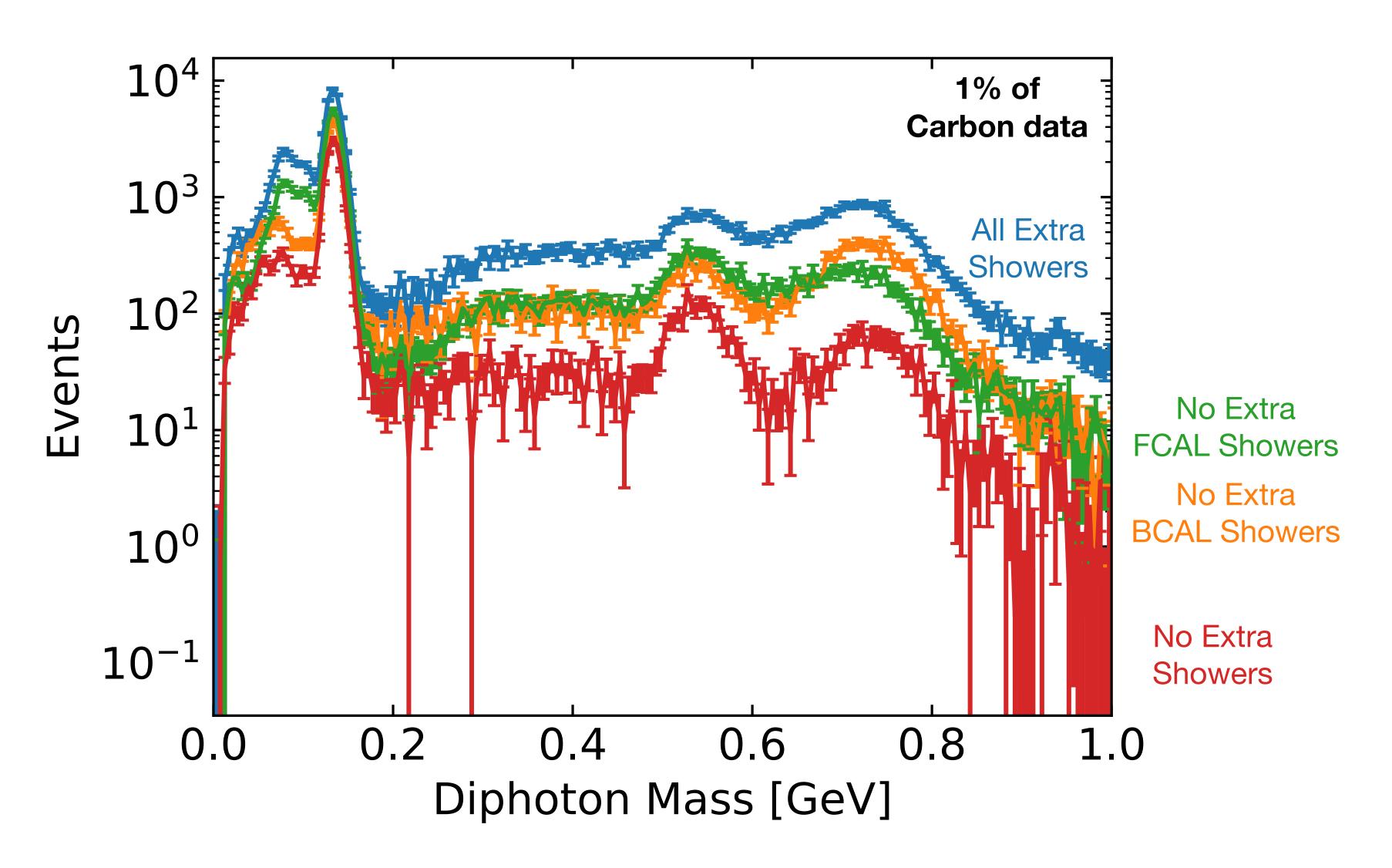
Open Questions

- Impact of new plugin + random trigger background on simulation (next priority)

- Should extra tracks be allowed? (check simulation)

- Should SC veto be implemented?

- How to model flux below 6 GeV for simulation?