

Measuring the prompt component of the atmospheric muon flux

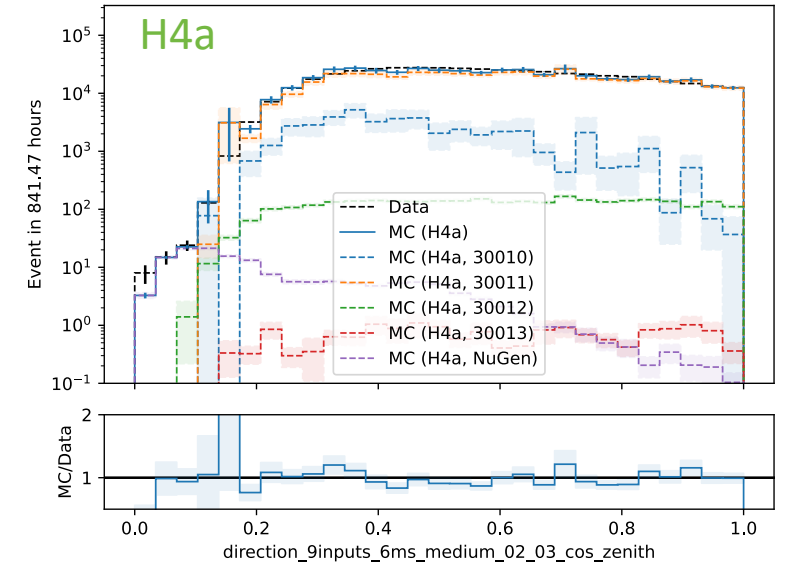
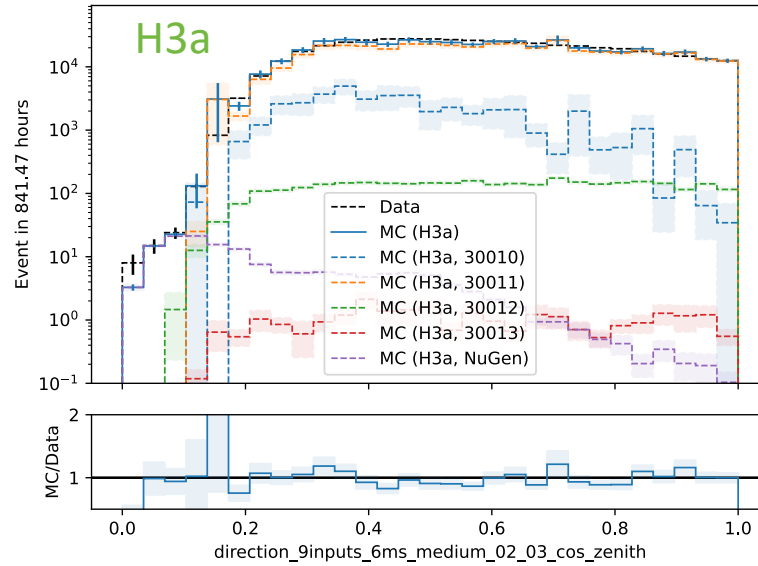
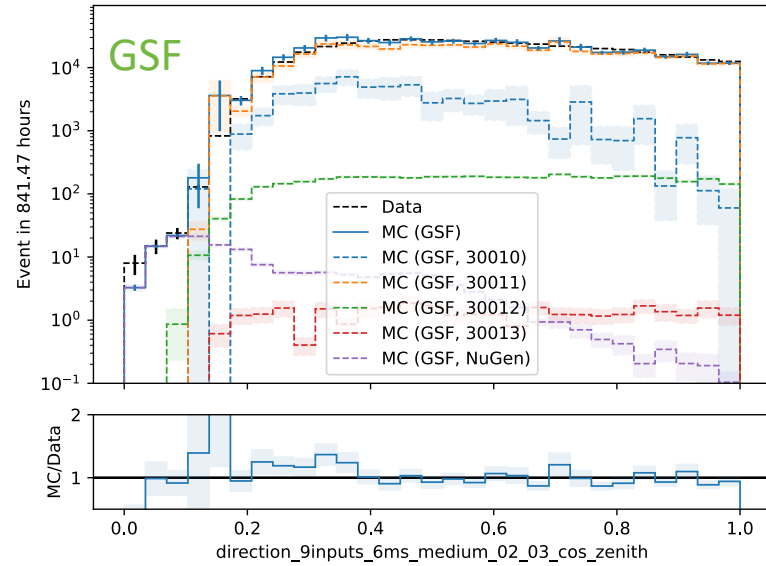
Pascal Gutjahr

March 5, 2024

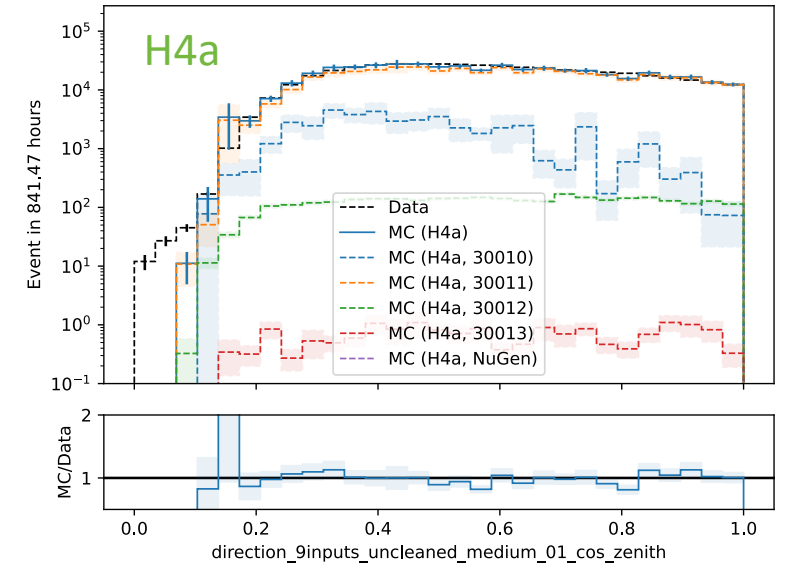
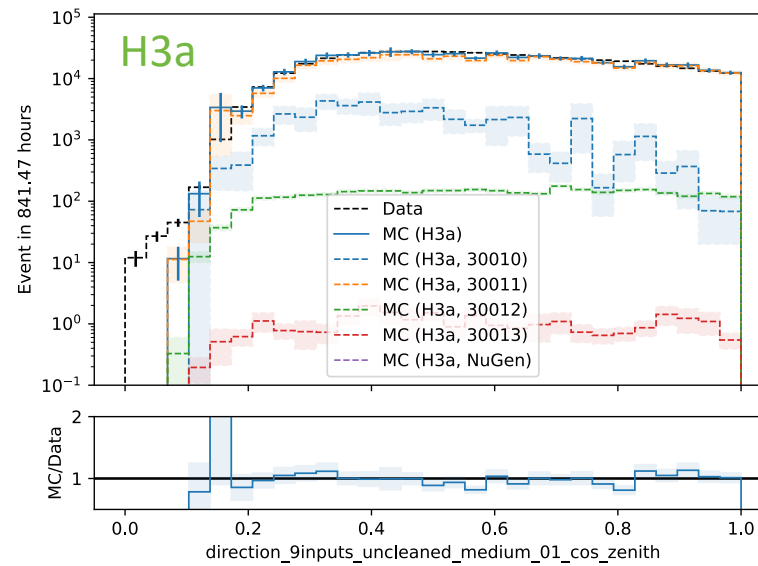
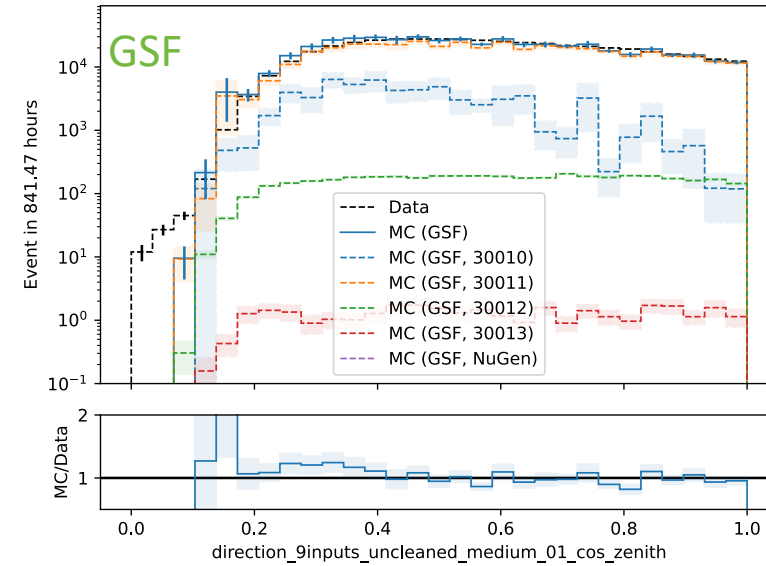
Muons

Source: NASA

Cos(zenith) – 200 TeV bundle cut at surface

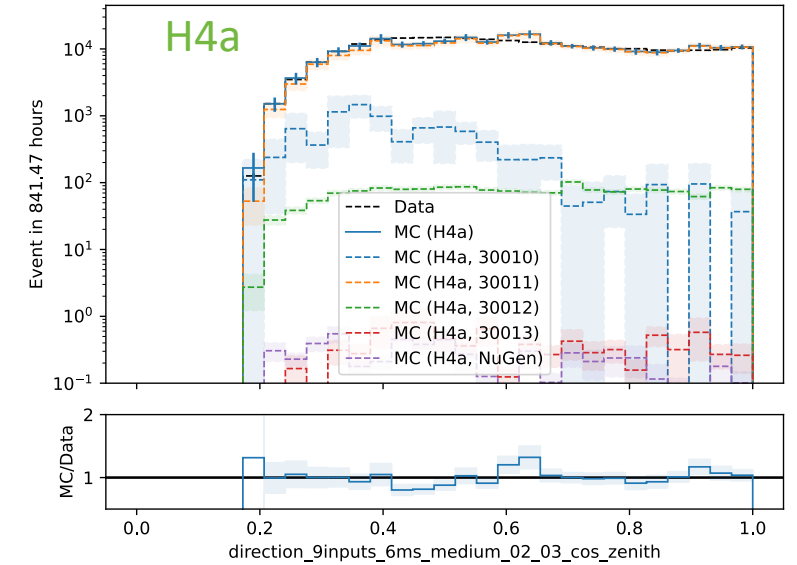
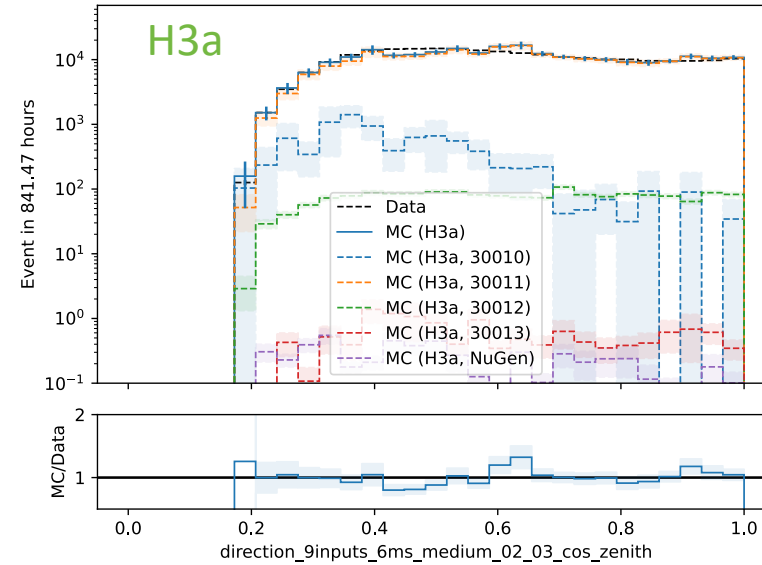
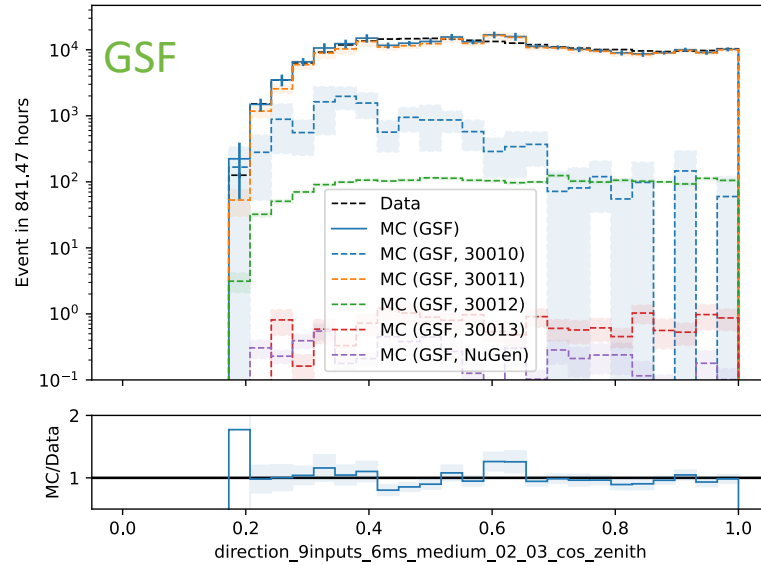


Network 1

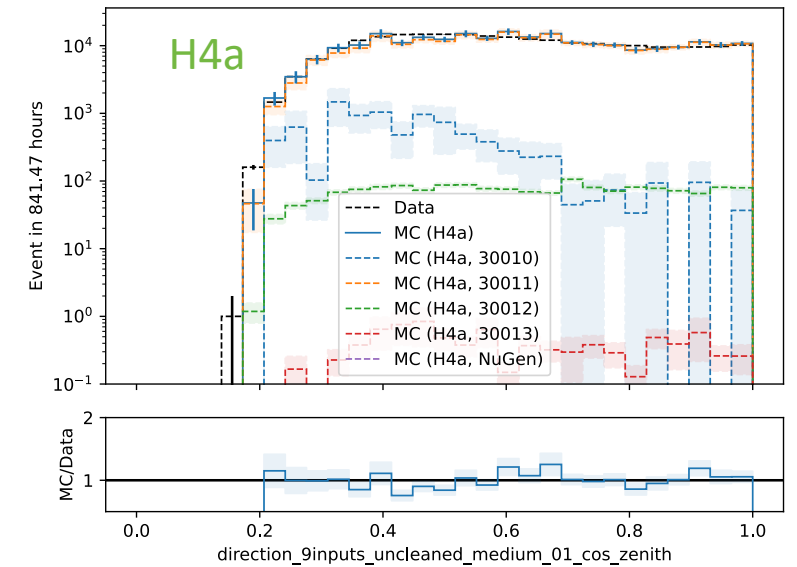
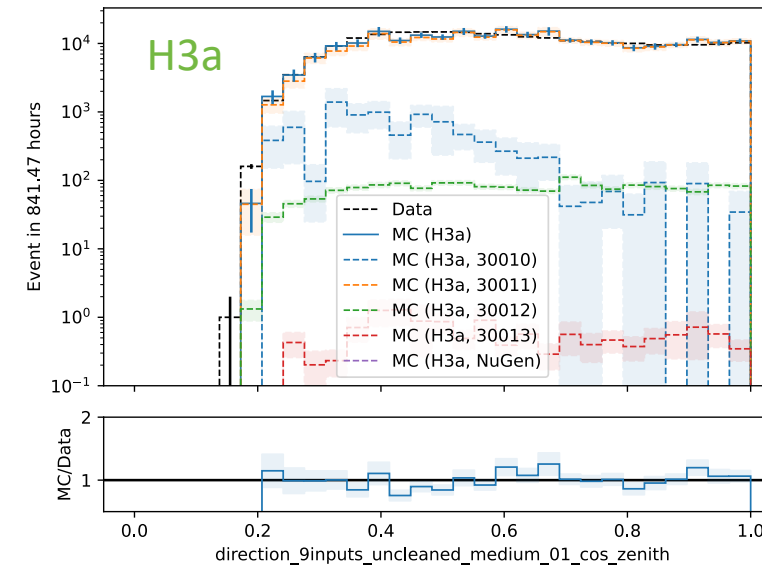
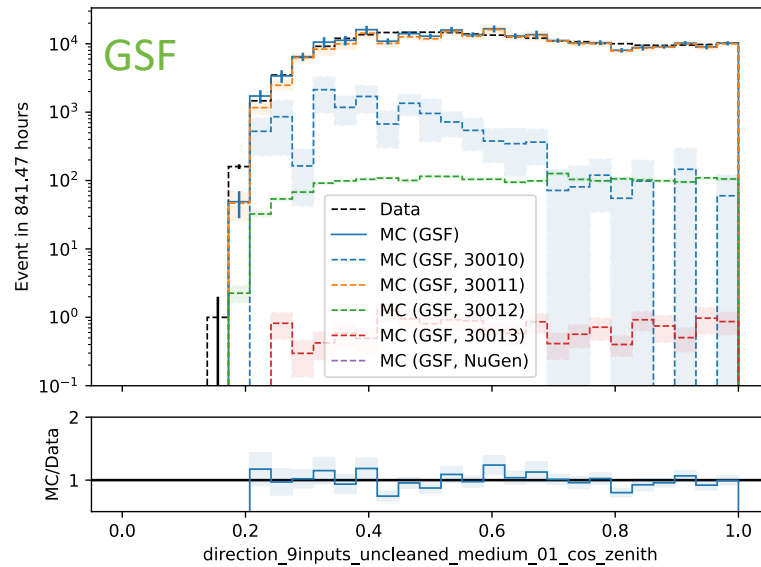


Network 2

Cos(zenith) – quality cuts



Network 1

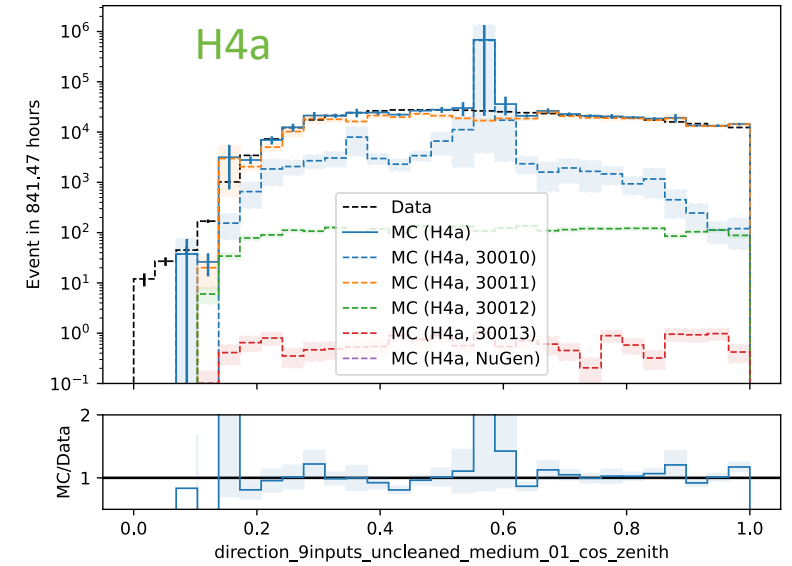
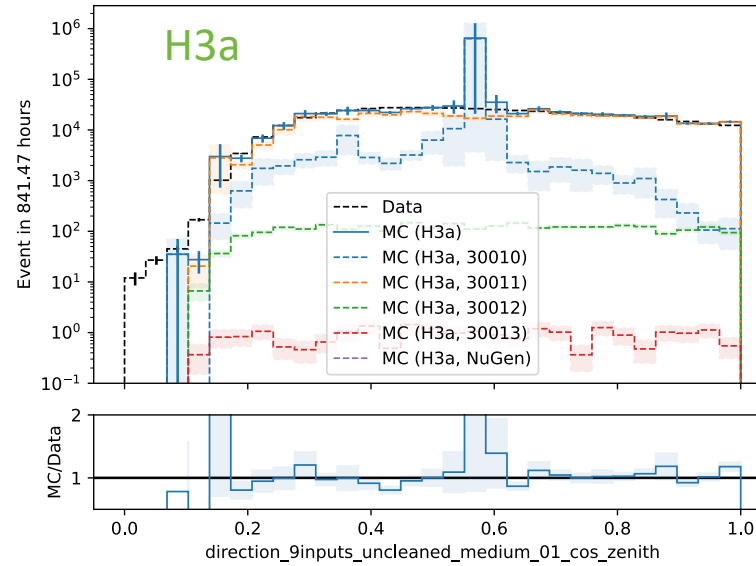
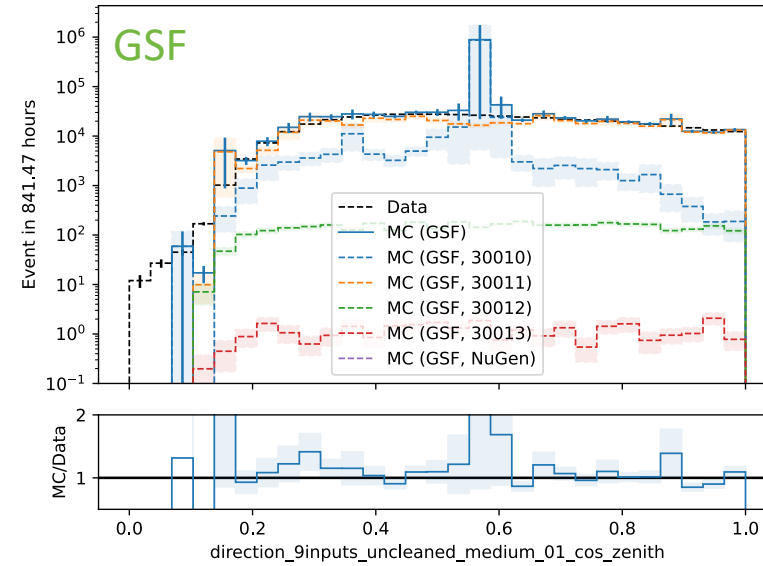
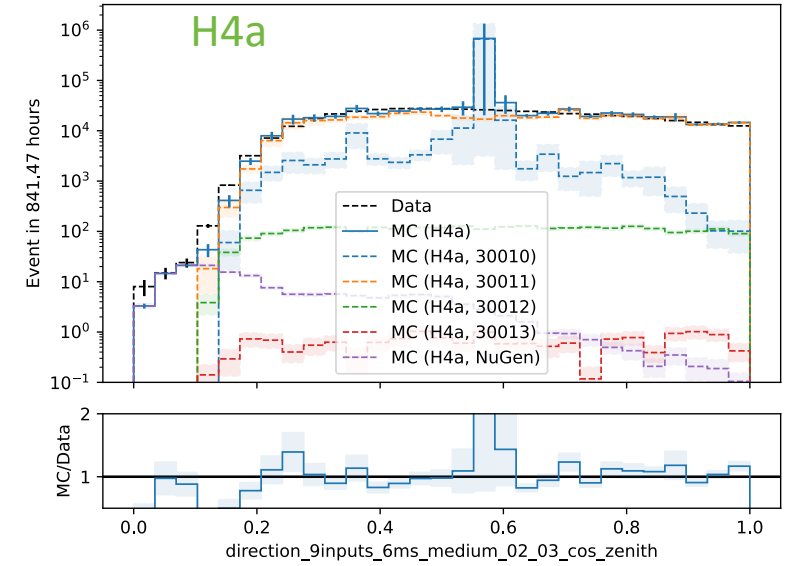
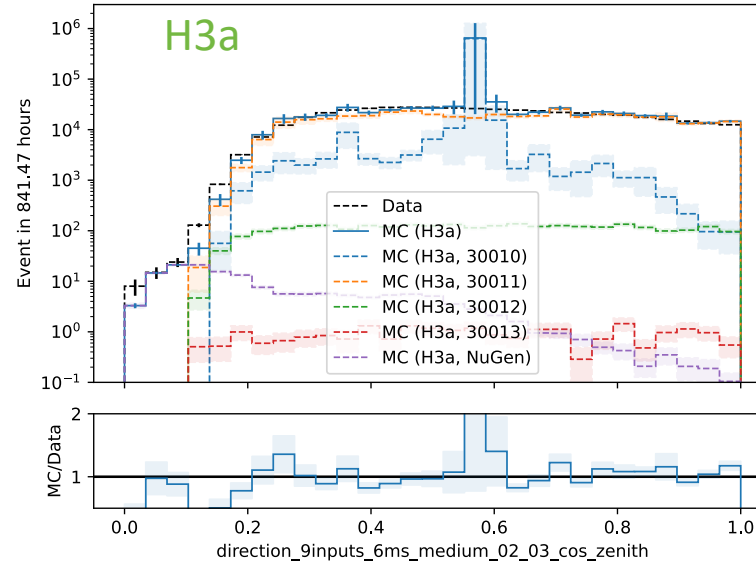
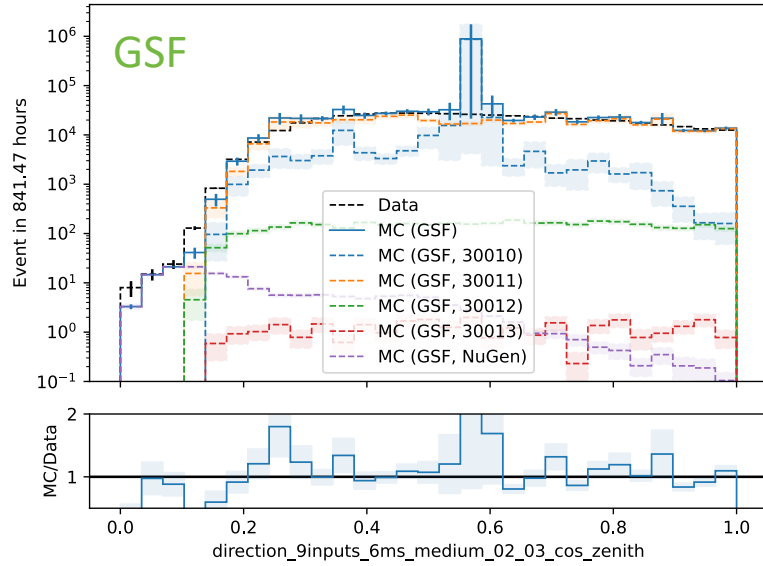


Network 2

Cos(zenith) – 200 TeV bundle cut at surface

Network 1

Network 2



Cos(zenith) – quality cuts

