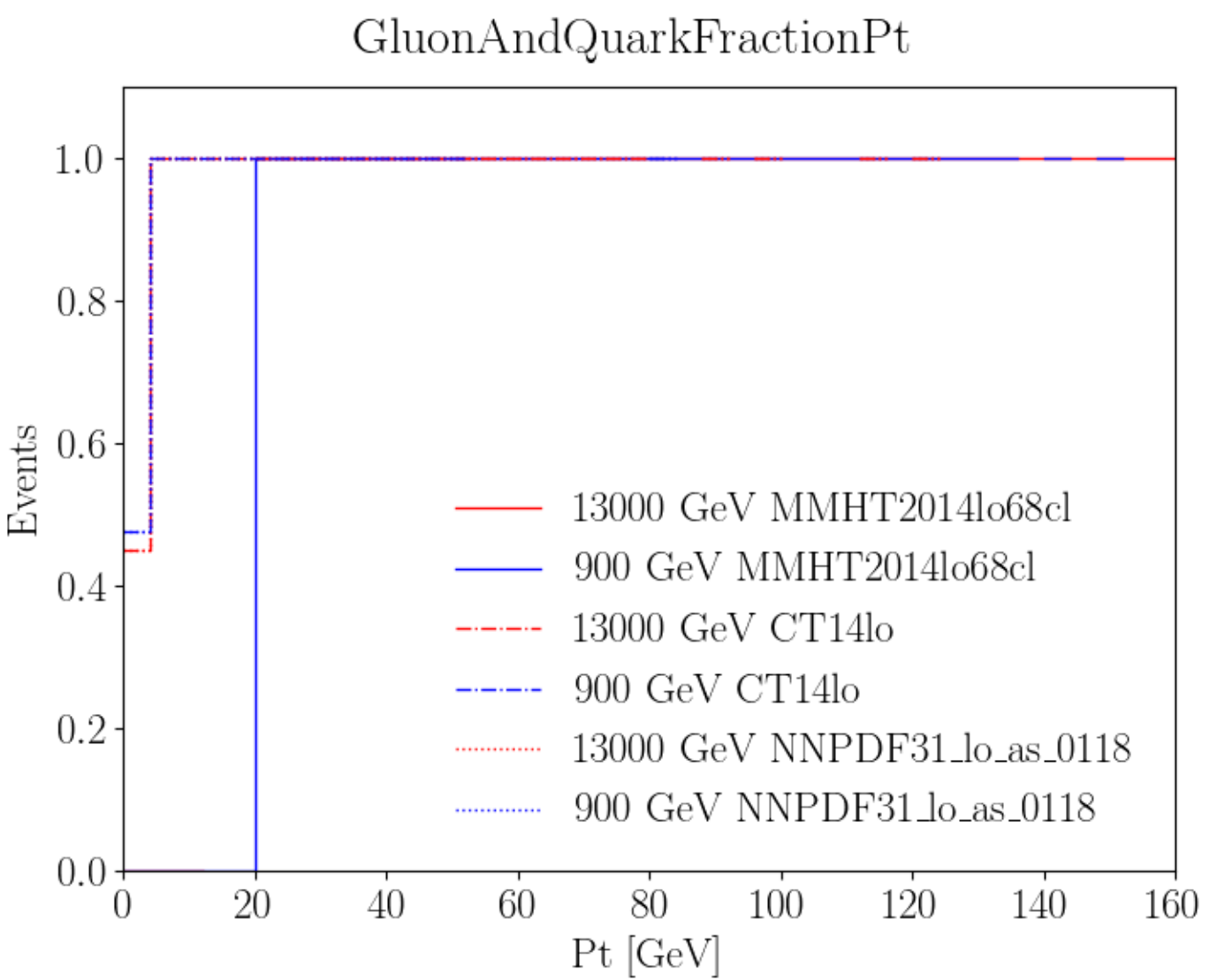
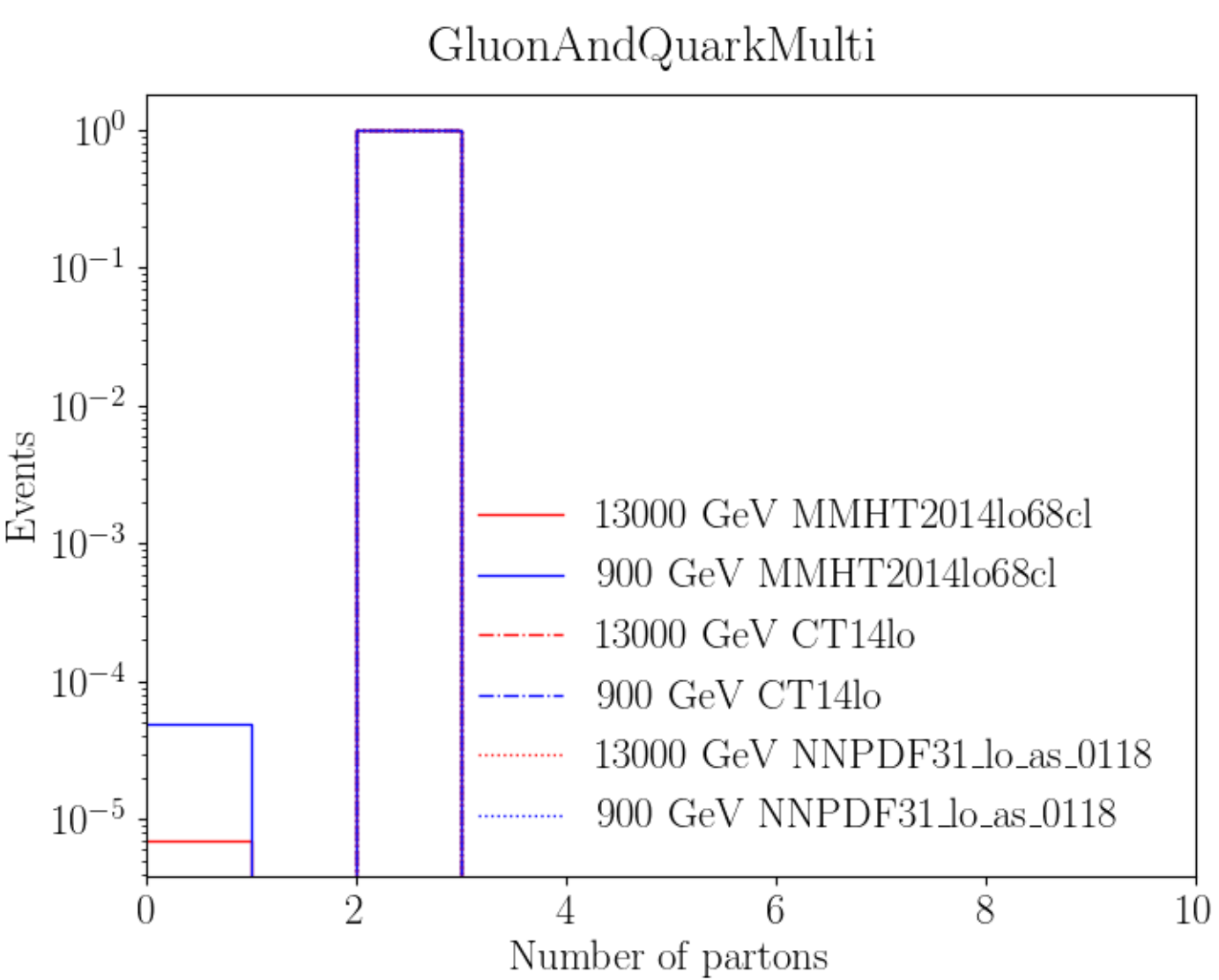
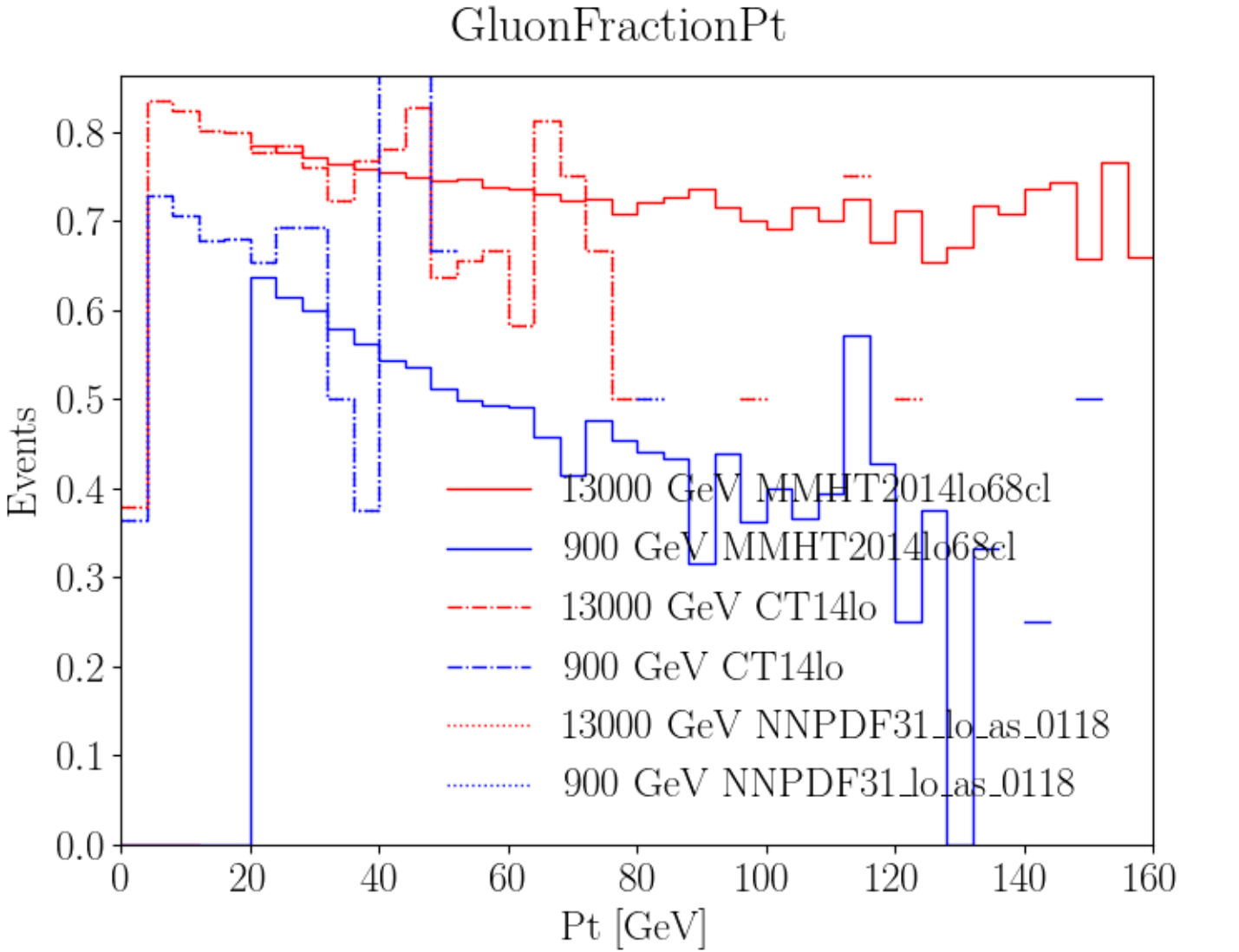
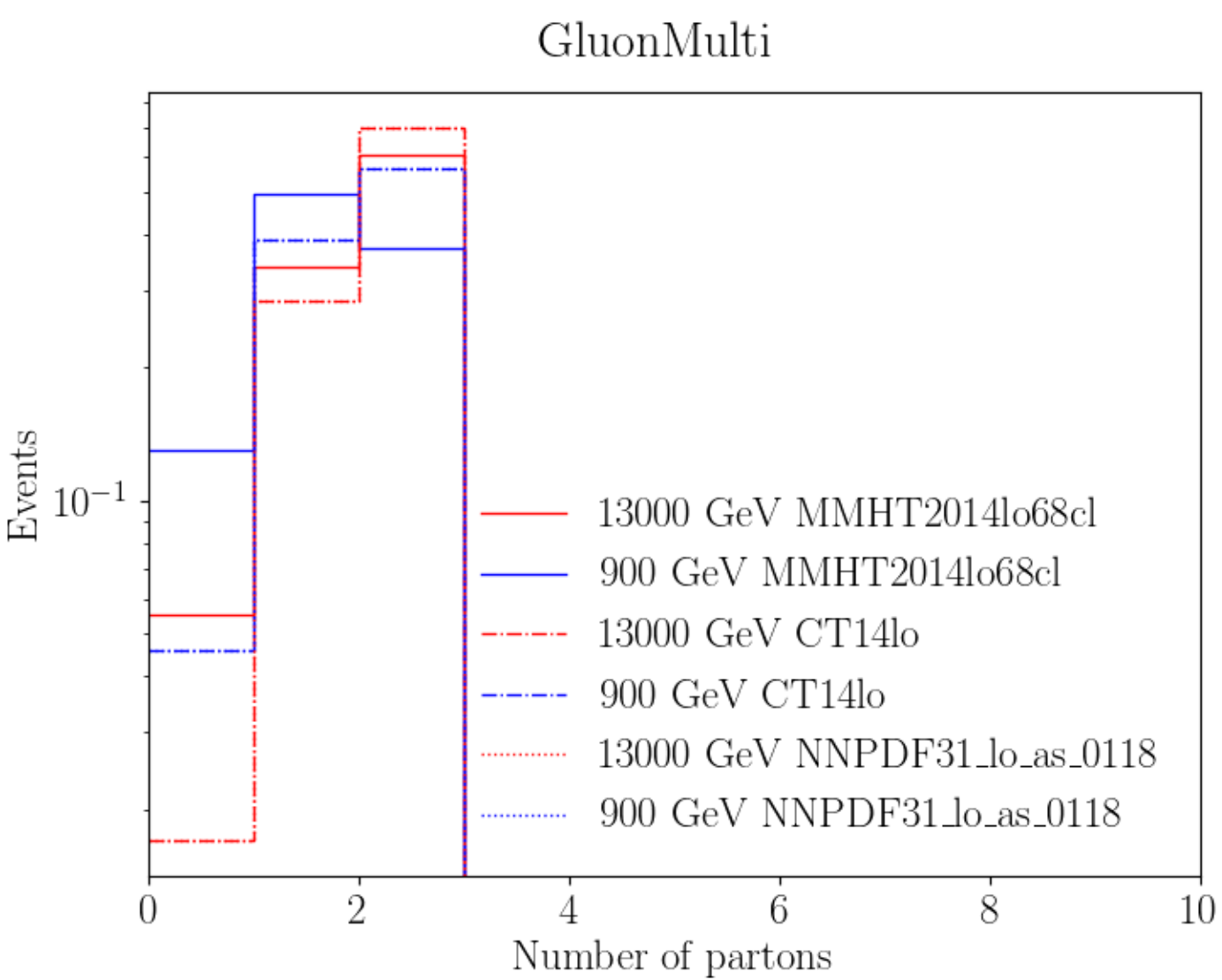
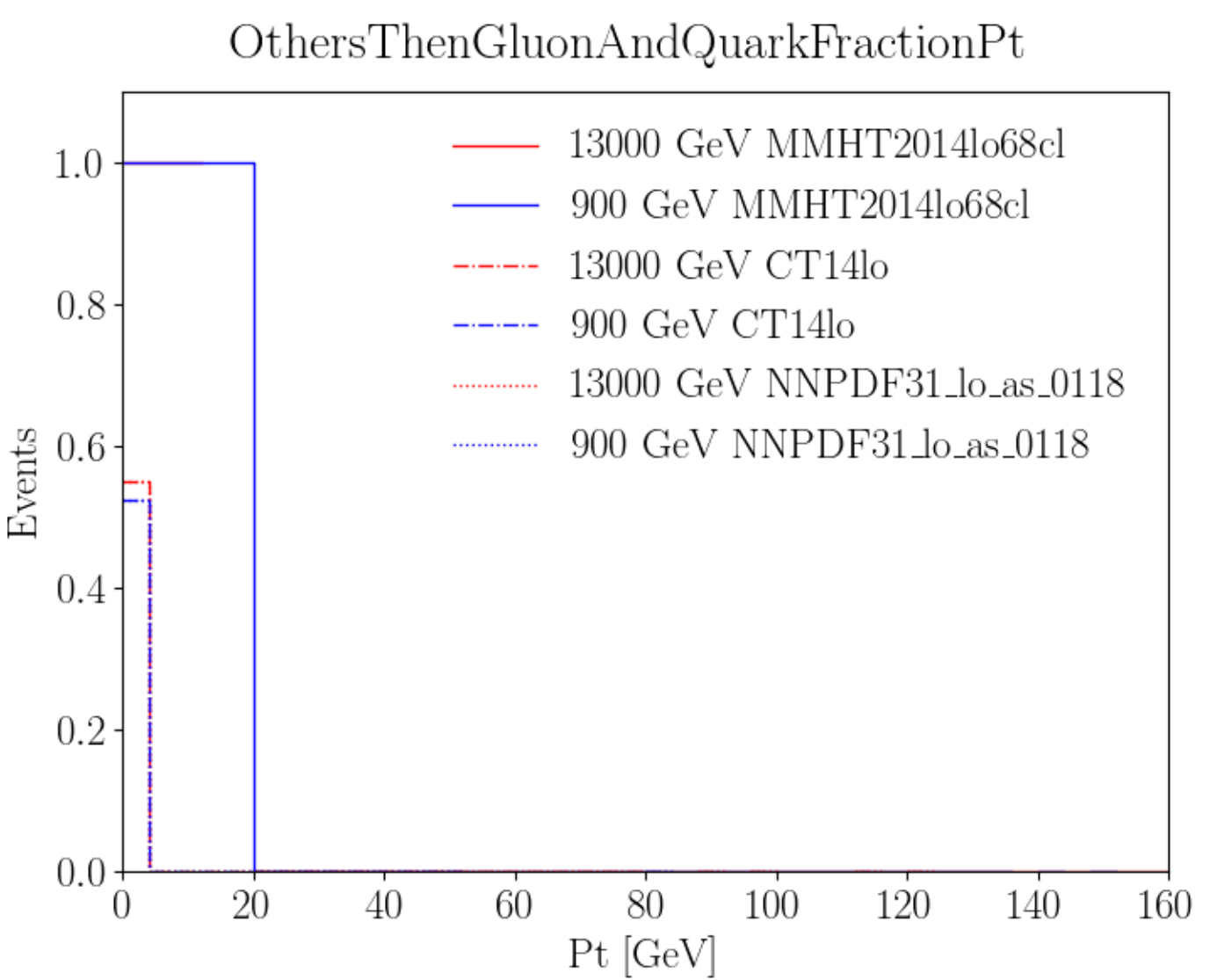
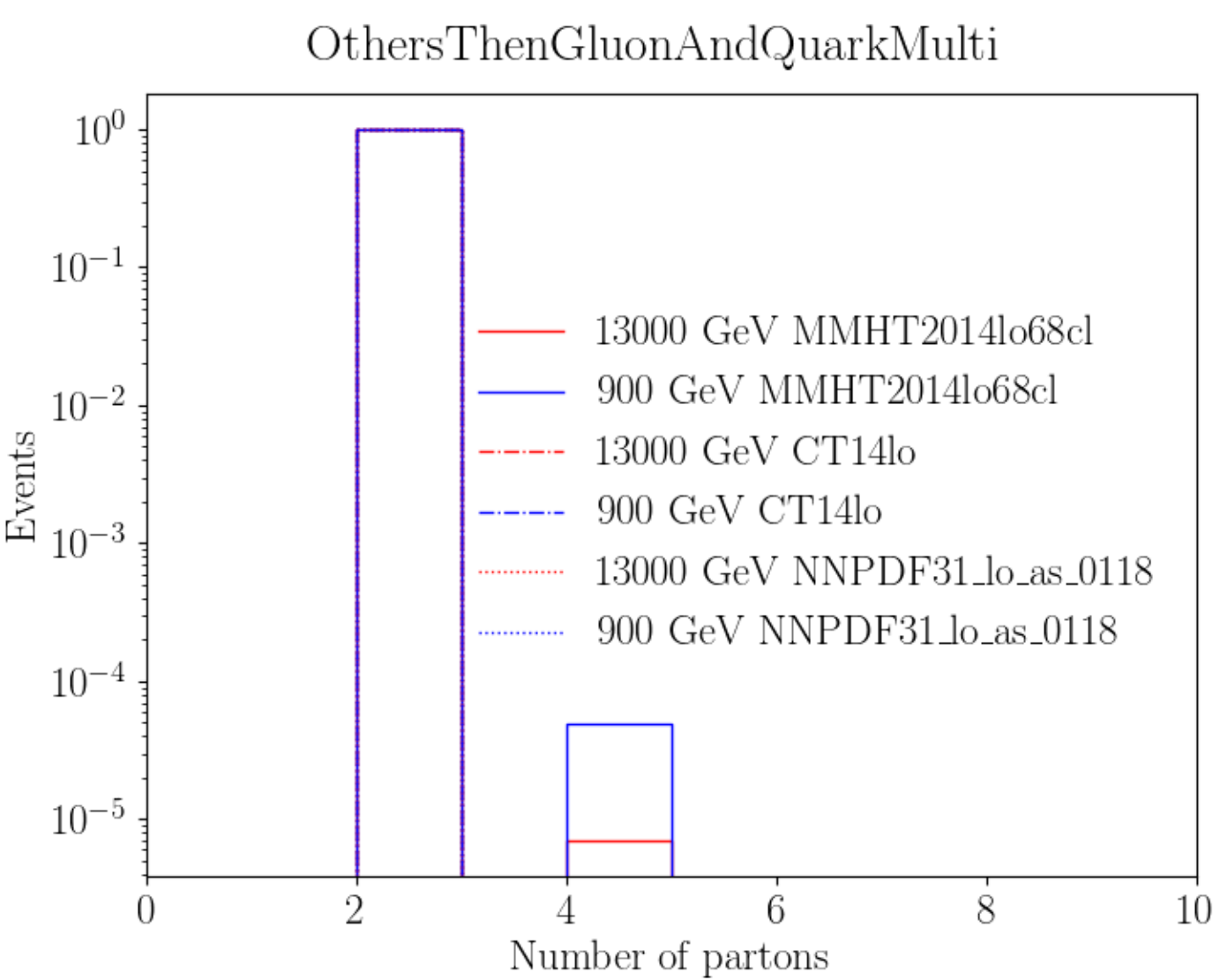

GluonAndQuarkFractionPt
Events
Pt [GeV]
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120
140
160
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118

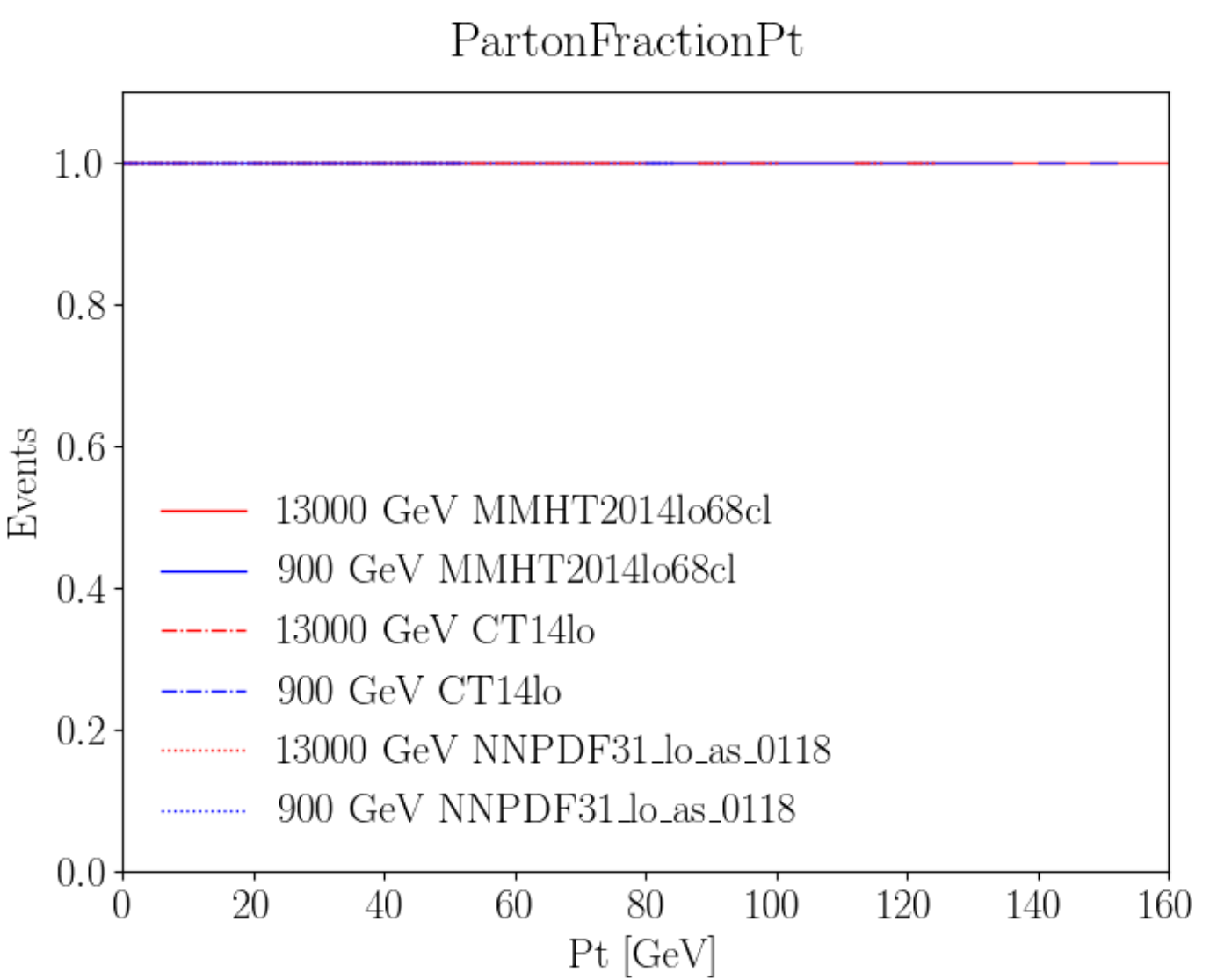

GluonAndQuarkMulti
Events
Number of partons
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118

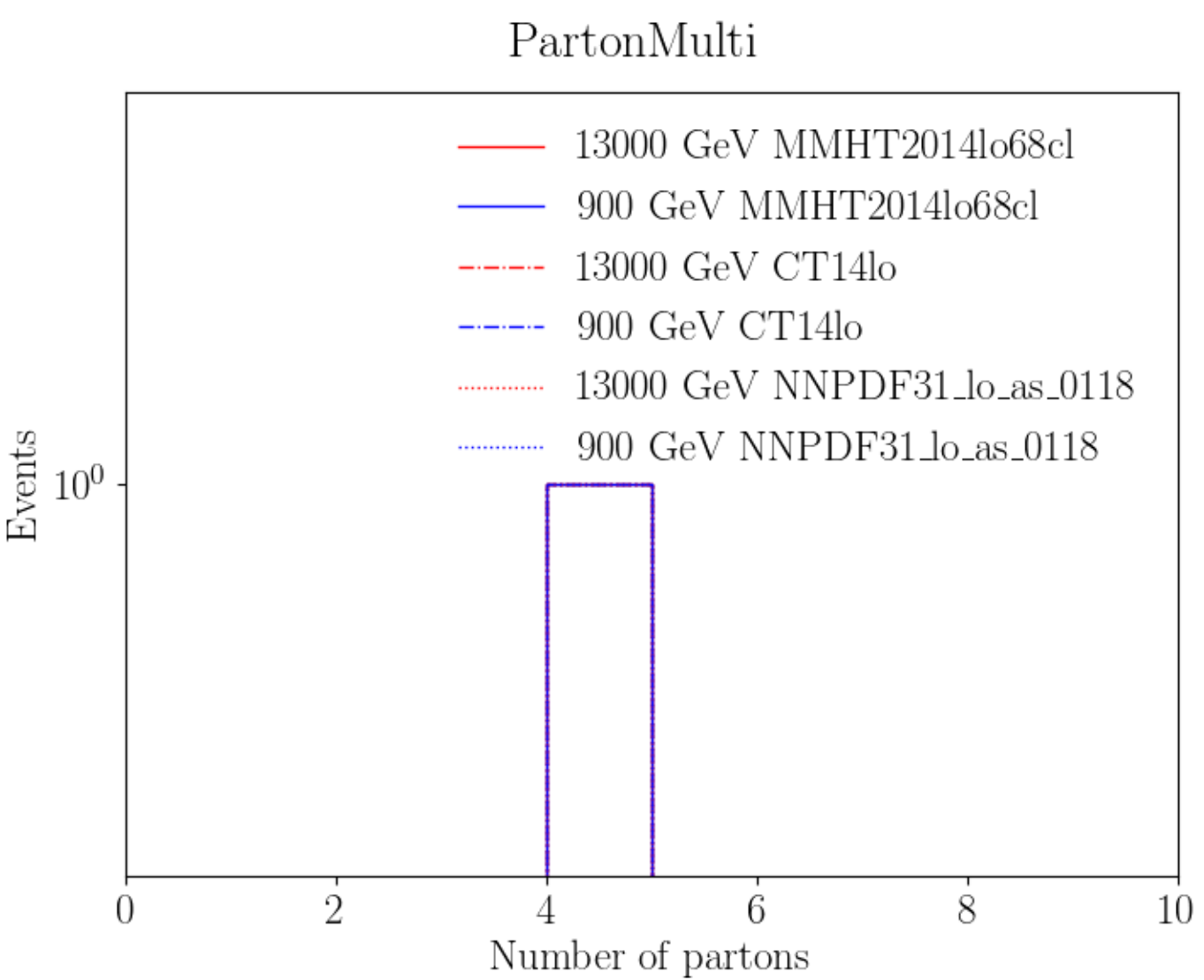

GluonFractionPt
Events
Pt [GeV]
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
20
40
60
80
100
120
140
160
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118

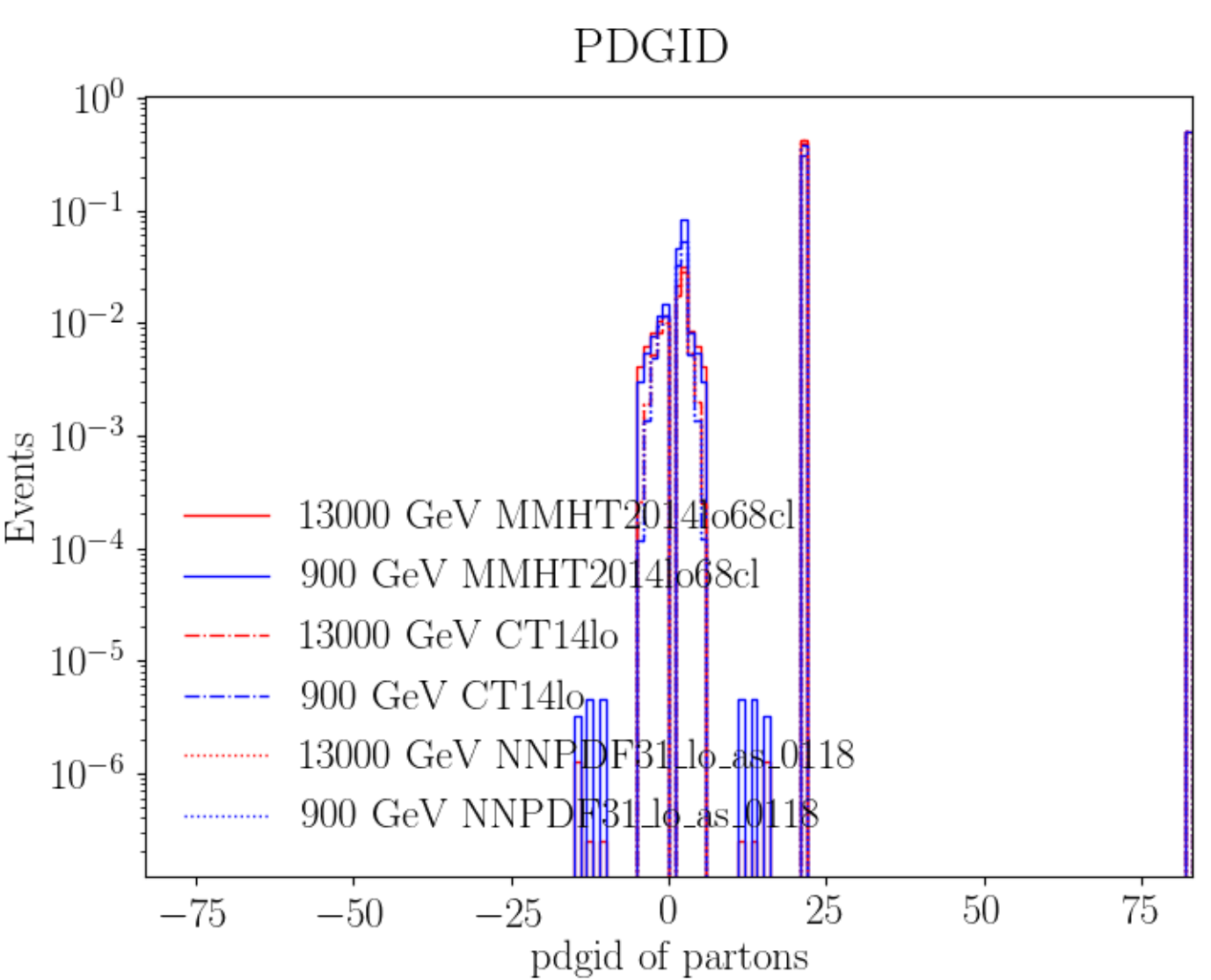

GluonMulti
Events
10^{-1}
0
2
4
6
8
10
Number of partons
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118

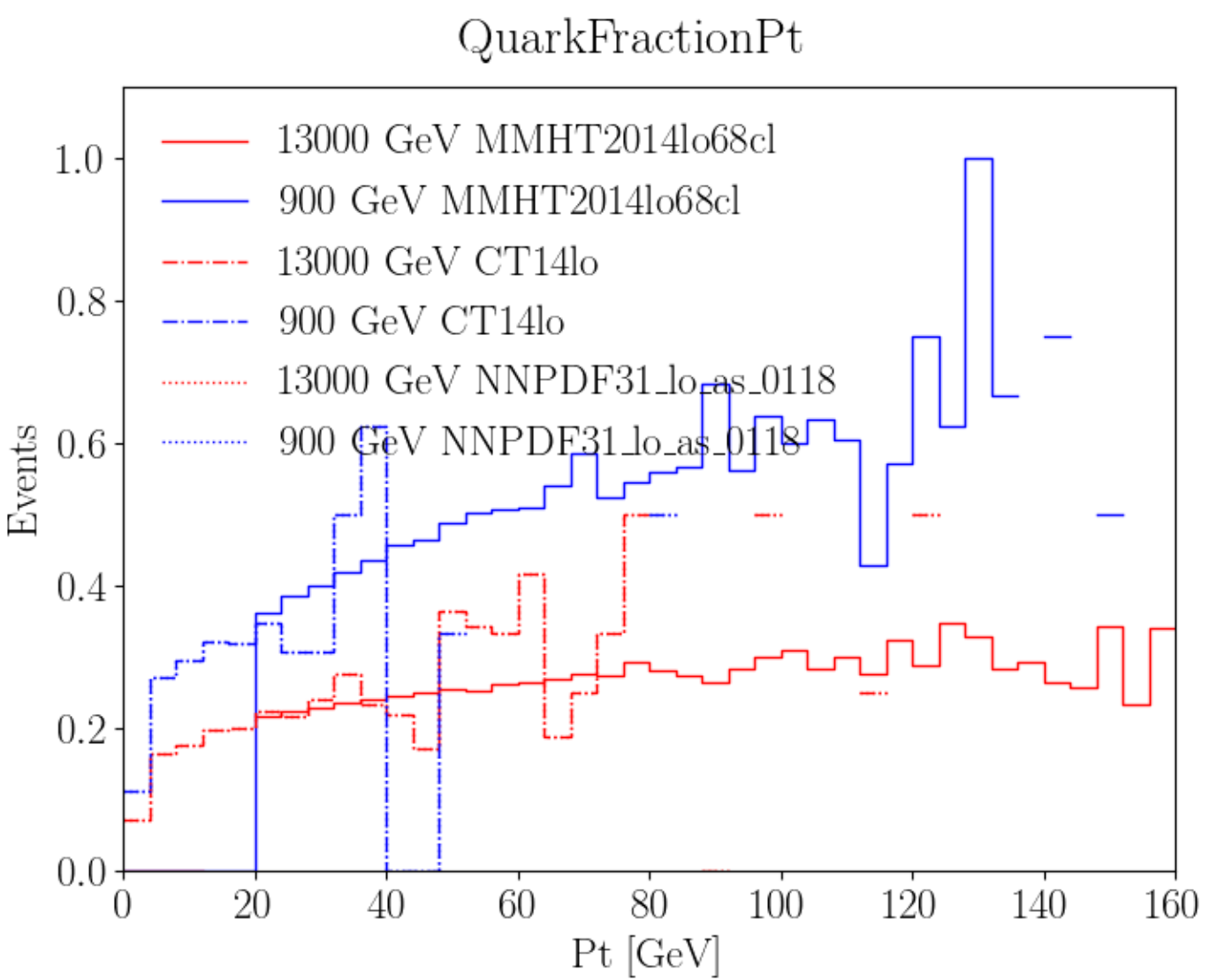

OthersThenGluonAndQuarkFractionPt
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118
Events
Pt [GeV]
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120
140
160

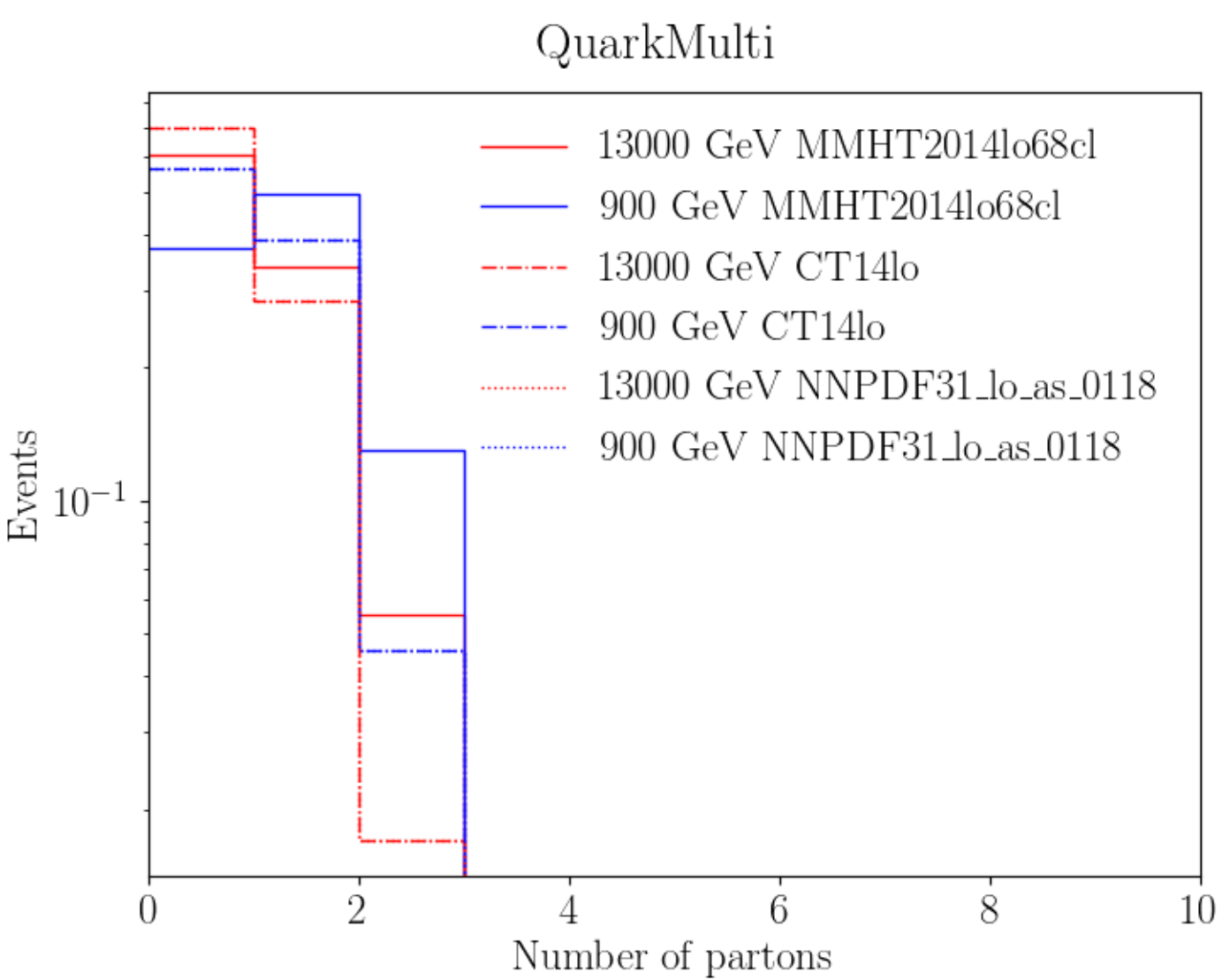

OthersThenGluonAndQuarkMulti
Events
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
2
4
6
8
10
Number of partons
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118


PartonFractionPt
Events
Pt [GeV]
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120
140
160
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118


PartonMulti
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118
Events
10^0
0
2
4
6
8
10
Number of partons


PDGID
Events
pdgid of partons
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118


QuarkFractionPt
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118
Events
Pt [GeV]
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120
140
160


QuarkMulti
13000 GeV MMHT2014lo68cl
900 GeV MMHT2014lo68cl
13000 GeV CT14lo
900 GeV CT14lo
13000 GeV NNPDF31_lo_as_0118
900 GeV NNPDF31_lo_as_0118
Events
10^{-1}
0
2
4
6
8
10
Number of partons