

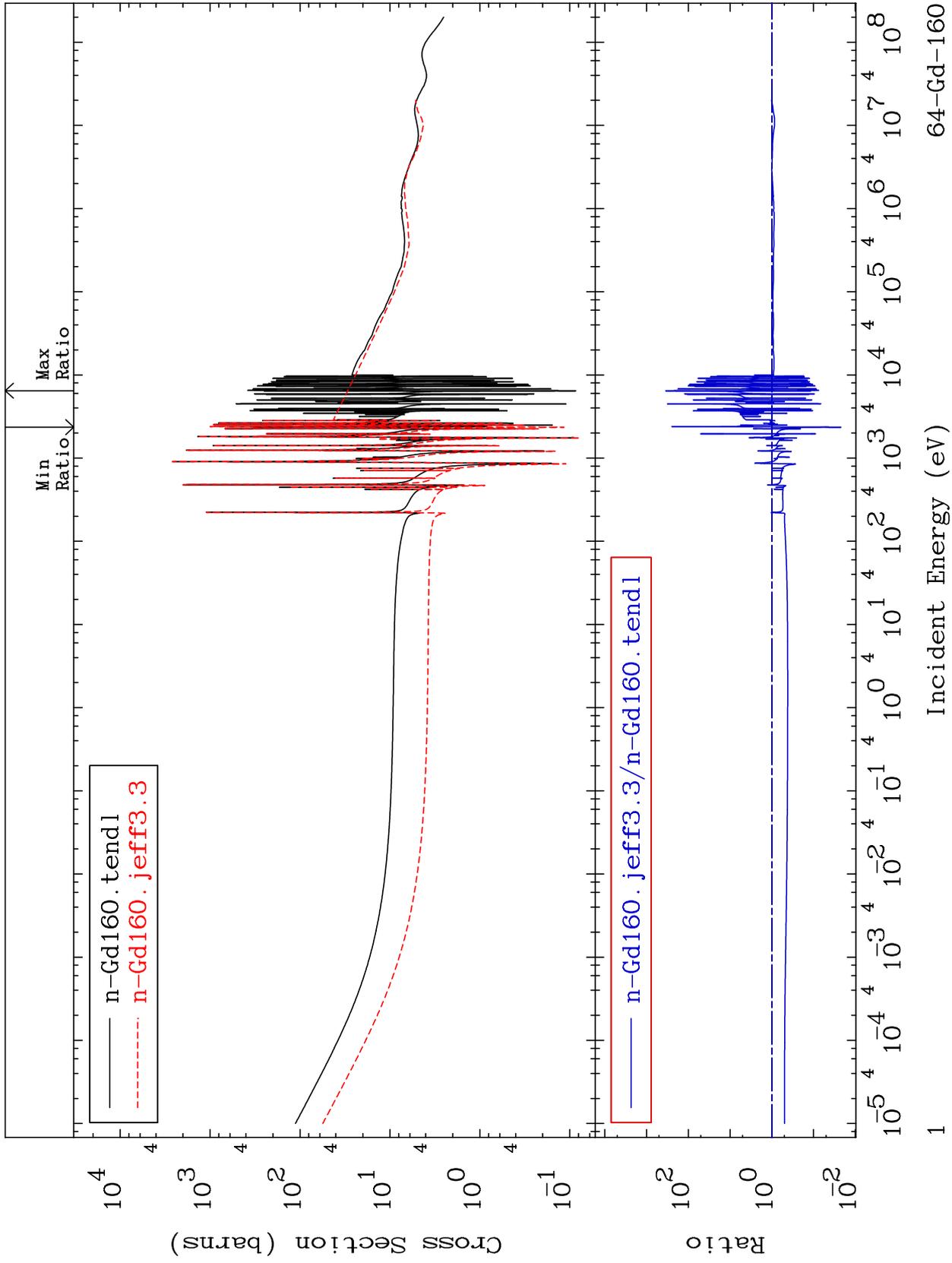
MAT 6449

Total

64-Gd-160

Cross Section

-97.79 To 9999. %



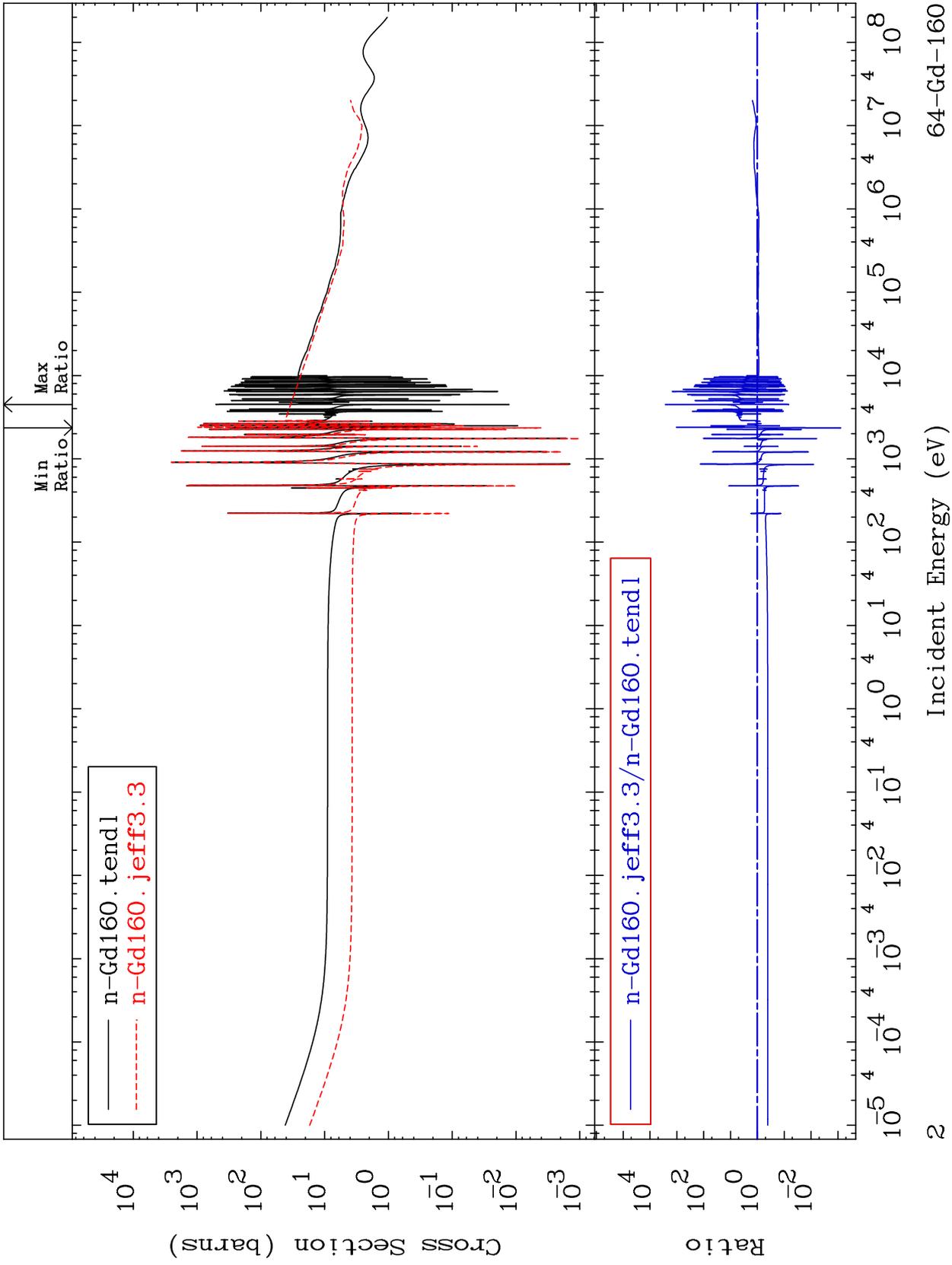
Incident Energy (eV)

64-Gd-160

MAT 6449

Elastic
Cross Section

64-Gd-160
-99.92 To 9999. %



2

Incident Energy (eV)

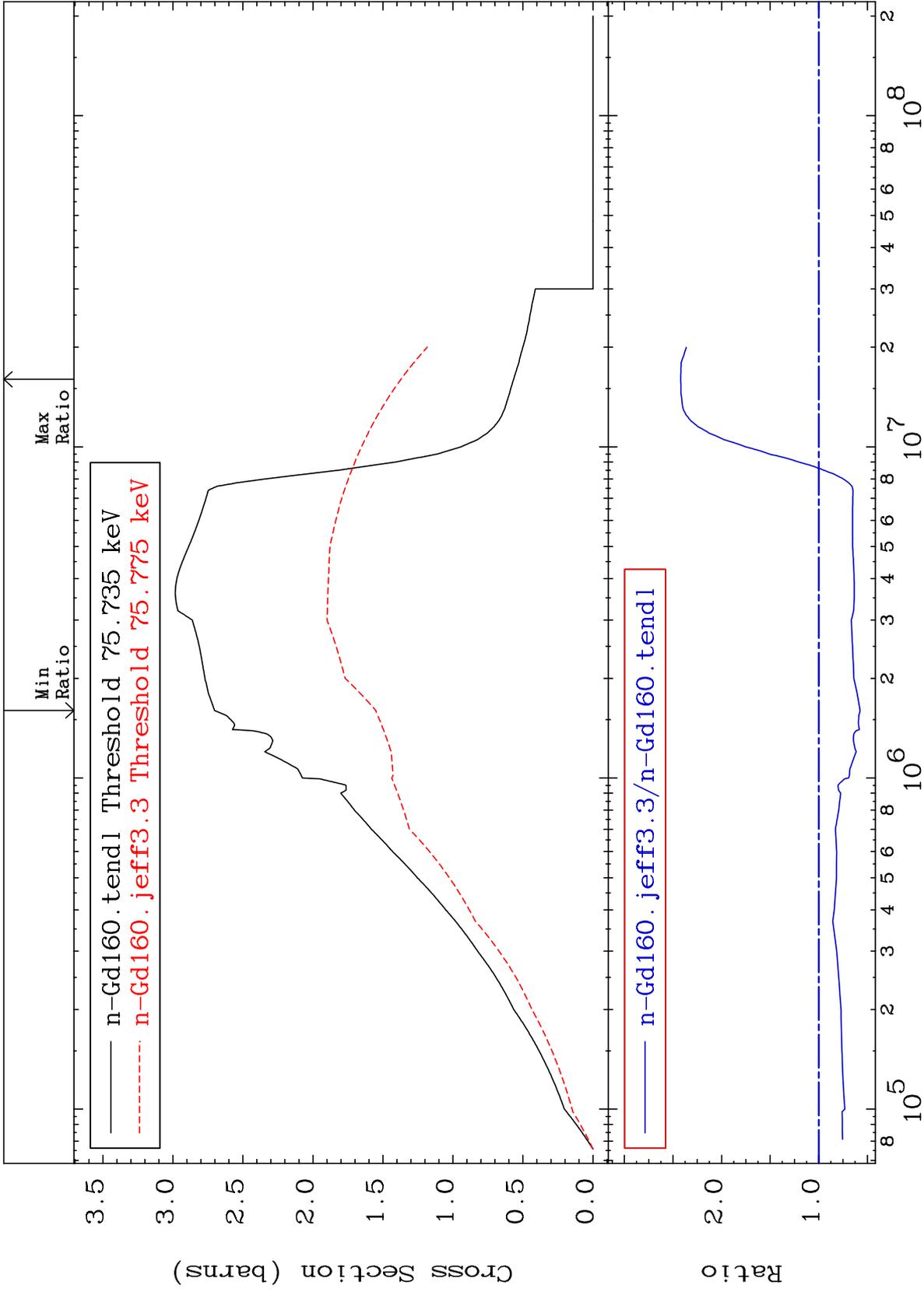
64-Gd-160

MAT 6449

64-Gd-160

Inelastic
Cross Section

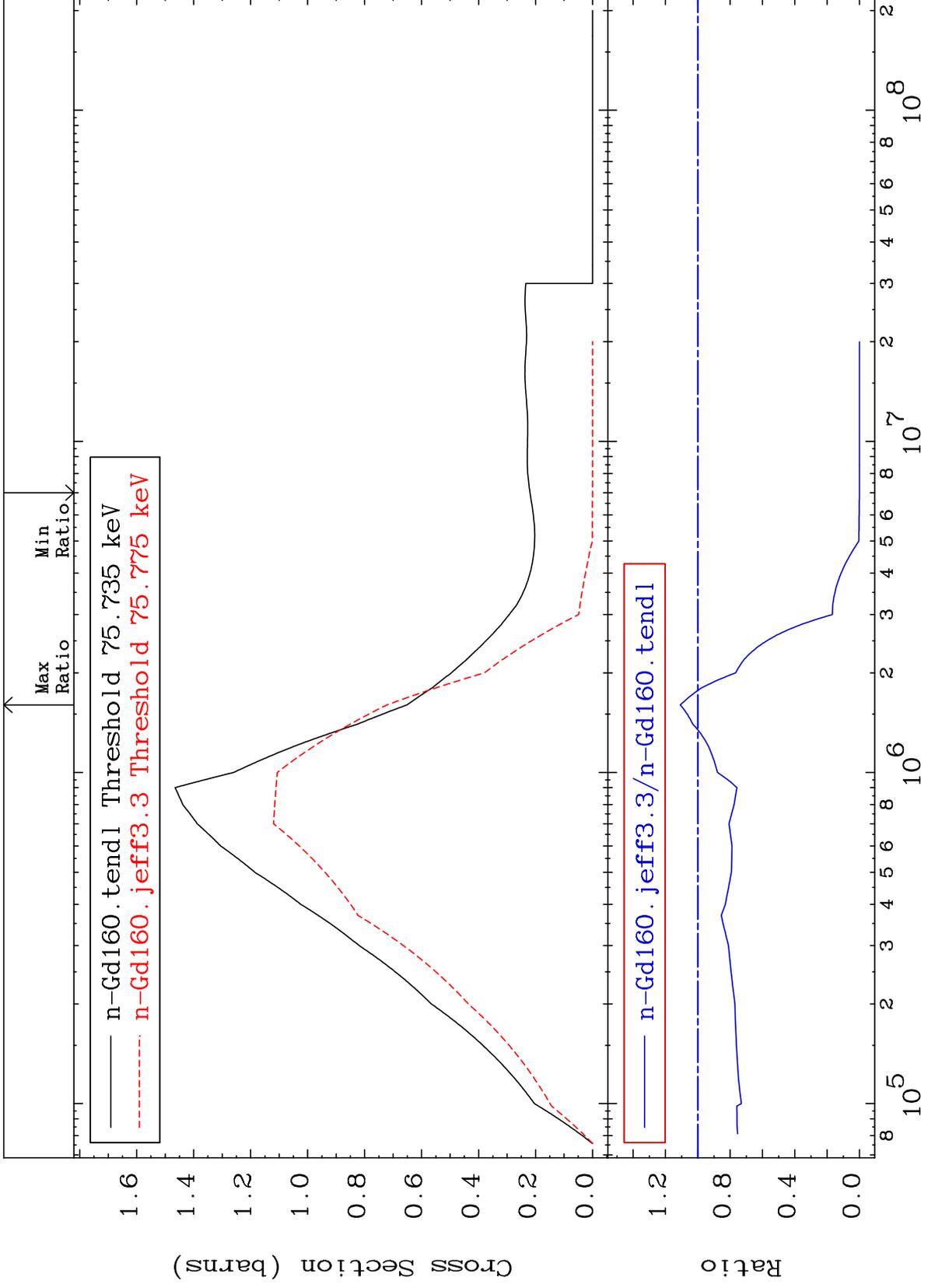
-42.57 To 142.0 %



MAT 6449

MT= 51 (n,n') Level
Cross Section

64-Gd-160
-100.0 To 10.83 %



4

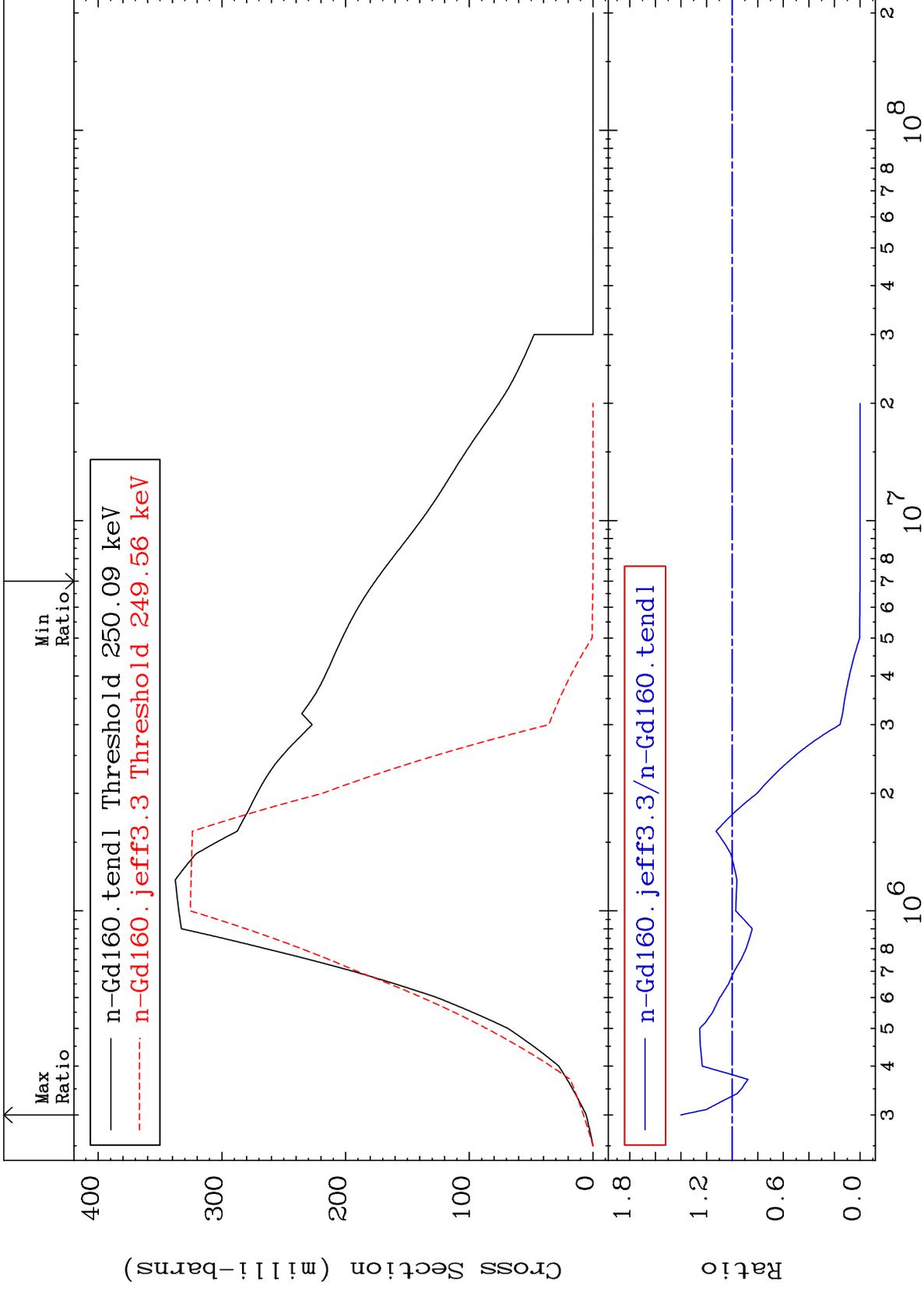
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 52 (n,n') Level
Cross Section

64-Gd-160
-100.0 To 40.14 %



5

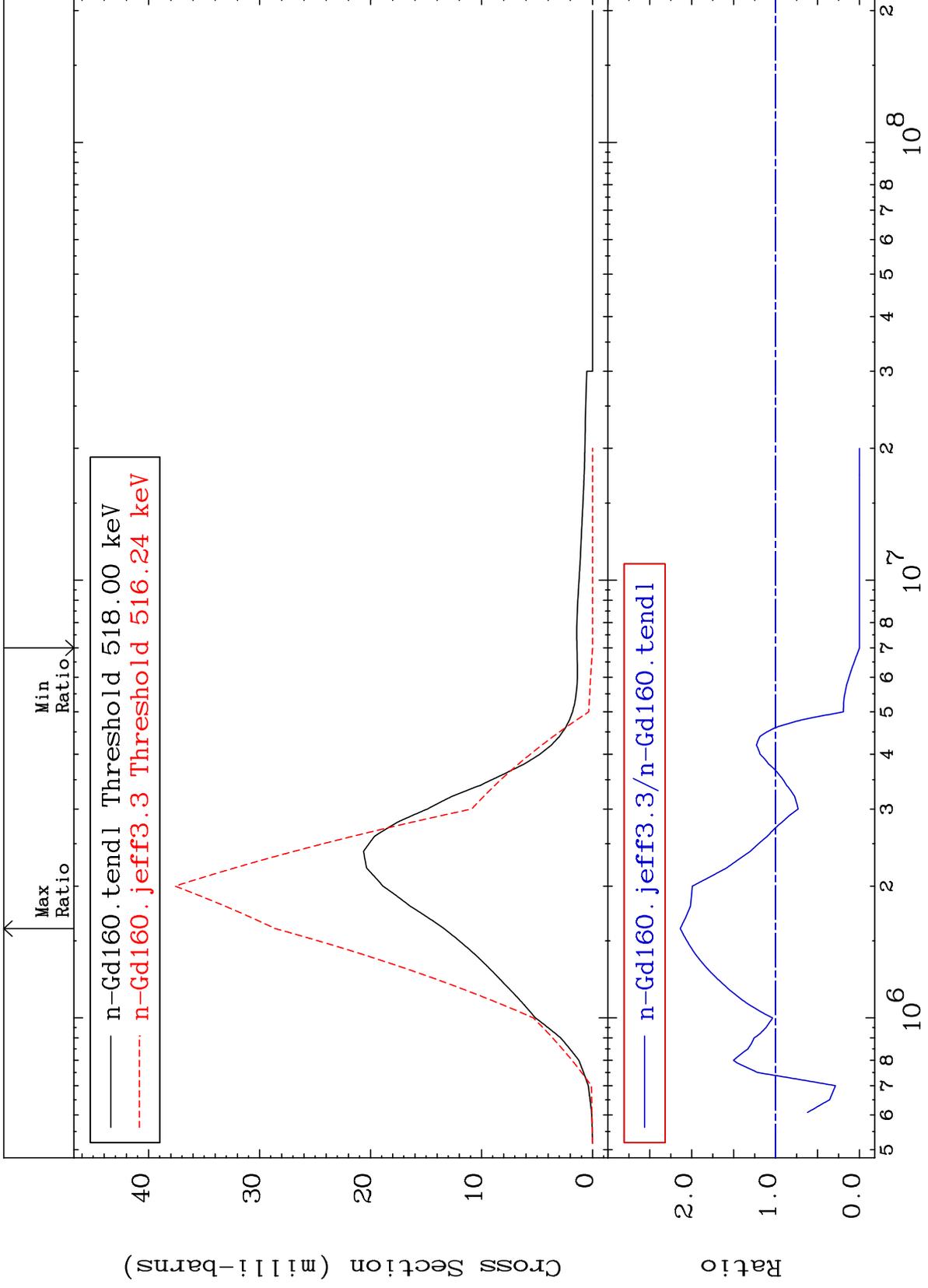
64-Gd-160

64-Gd-160

MAT 6449

MT= 53 (n,n') Level
Cross Section

64-Gd-160
-100.0 To 113.7 %



6

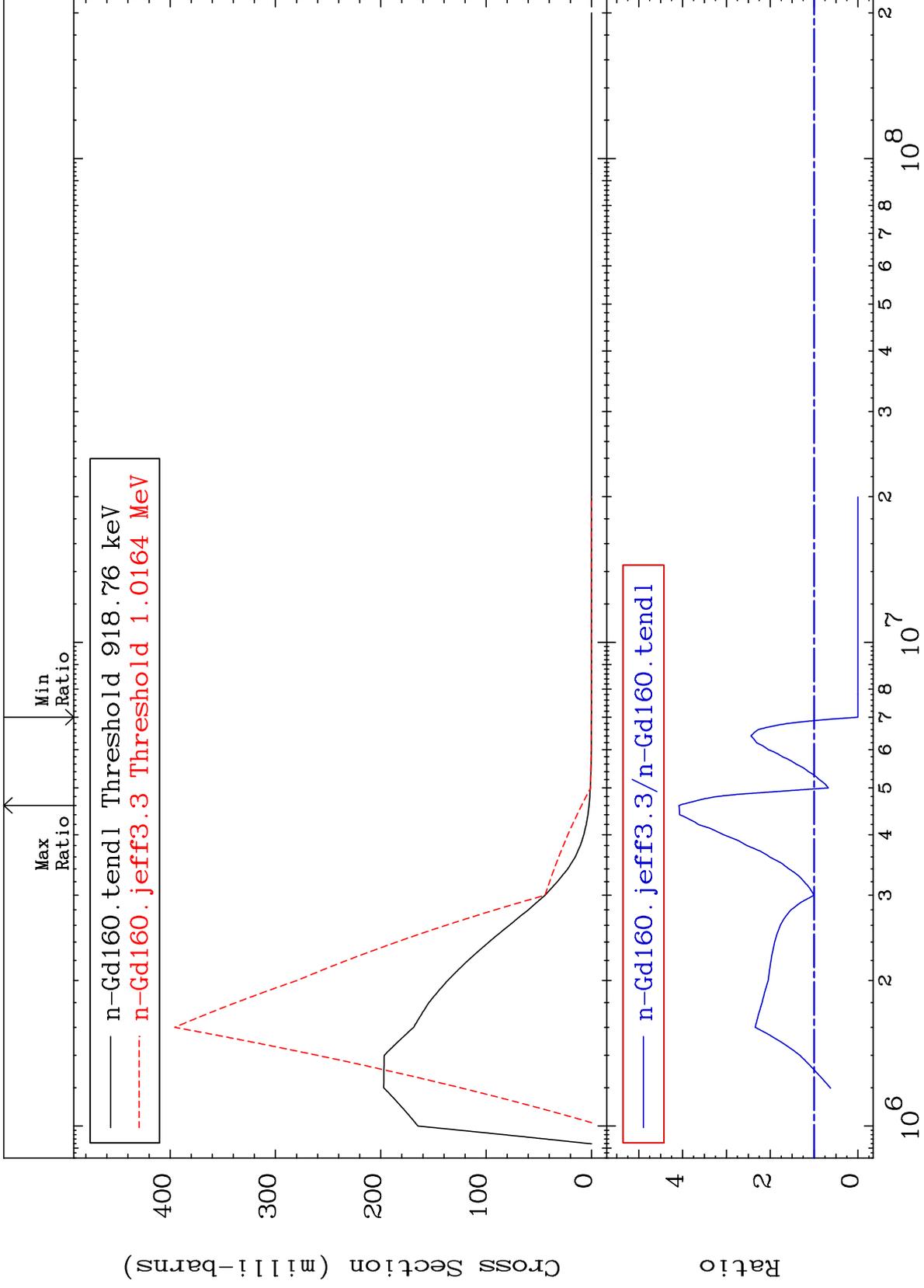
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 55 (n,n') Level
Cross Section

64-Gd-160
-100.0 To 308.0 %



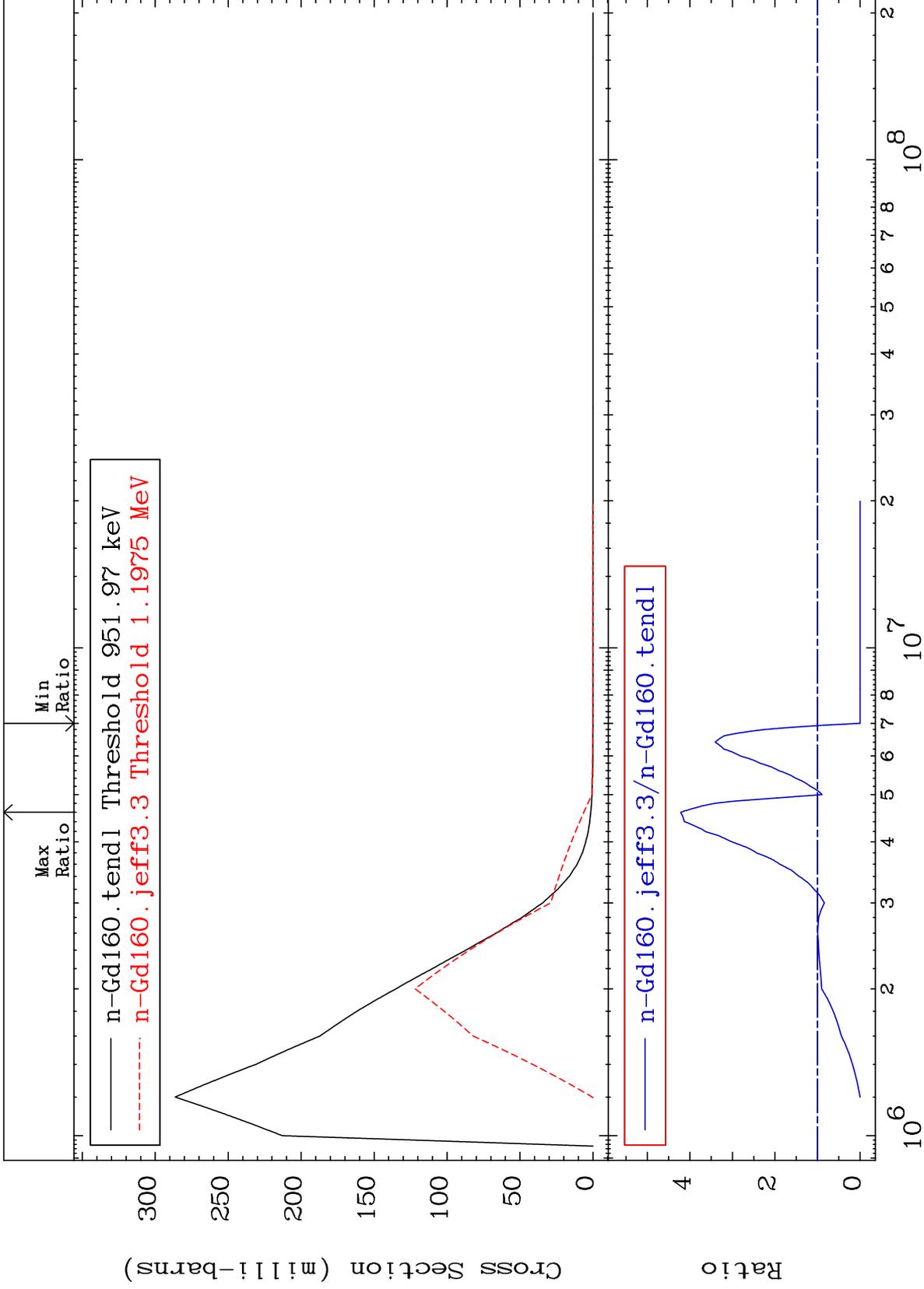
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 56 (n,n') Level
Cross Section

64-Gd-160
-100.0 To 321.4 %



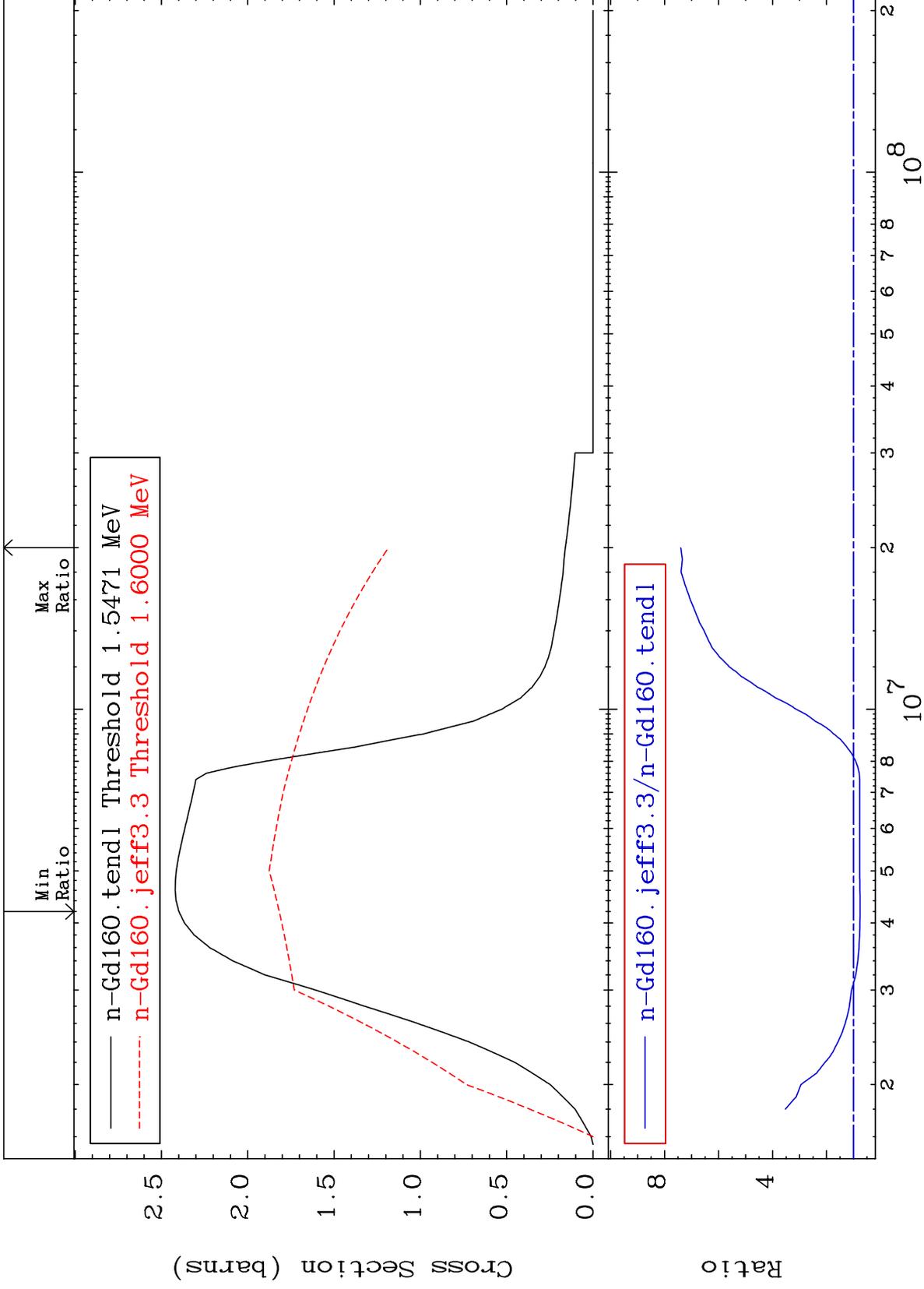
Incident Energy (eV)

64-Gd-160

MAT 6449

(n, n') Continuum
Cross Section

64-Gd-160
-24.24 To 640.1 %



10

Incident Energy (eV)

64-Gd-160

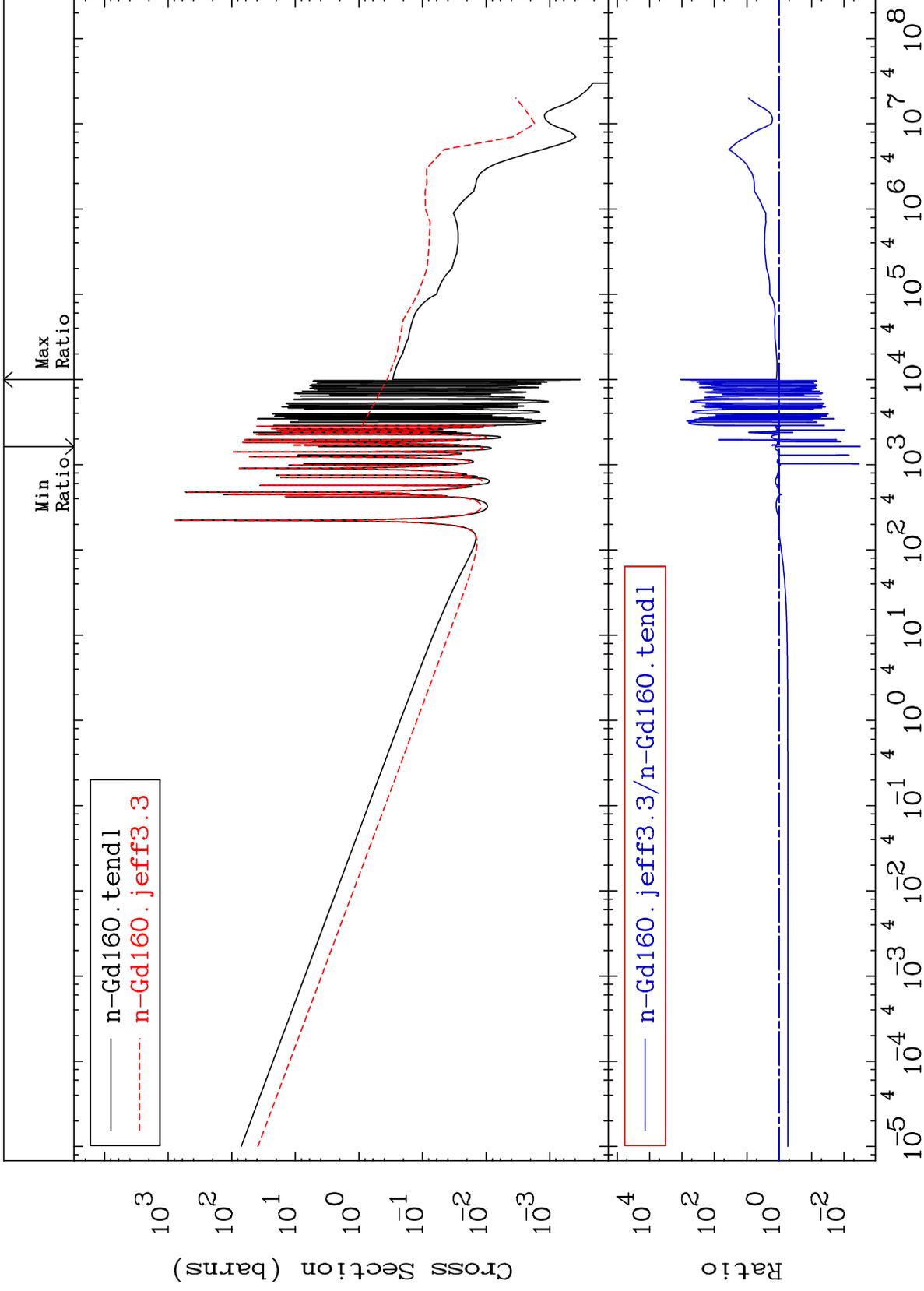
MAT 6449

(n, γ)

64-Gd-160

Cross Section

-99.68 To 9999. %



11

Incident Energy (eV)

64-Gd-160

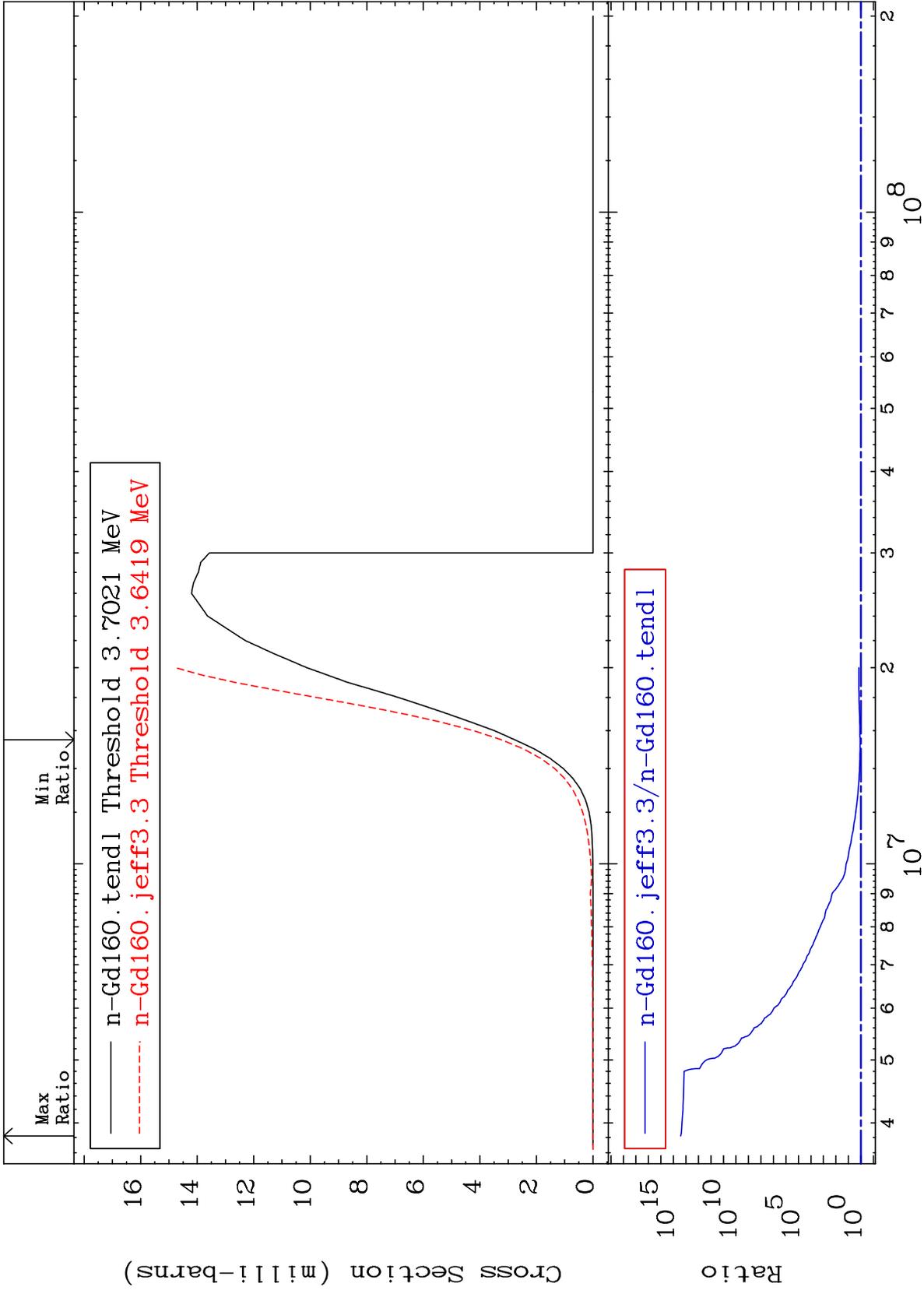
MAT 6449

(n,p)

64-Gd-160

Cross Section

16.85 To 9999. %



12

Incident Energy (eV)

64-Gd-160

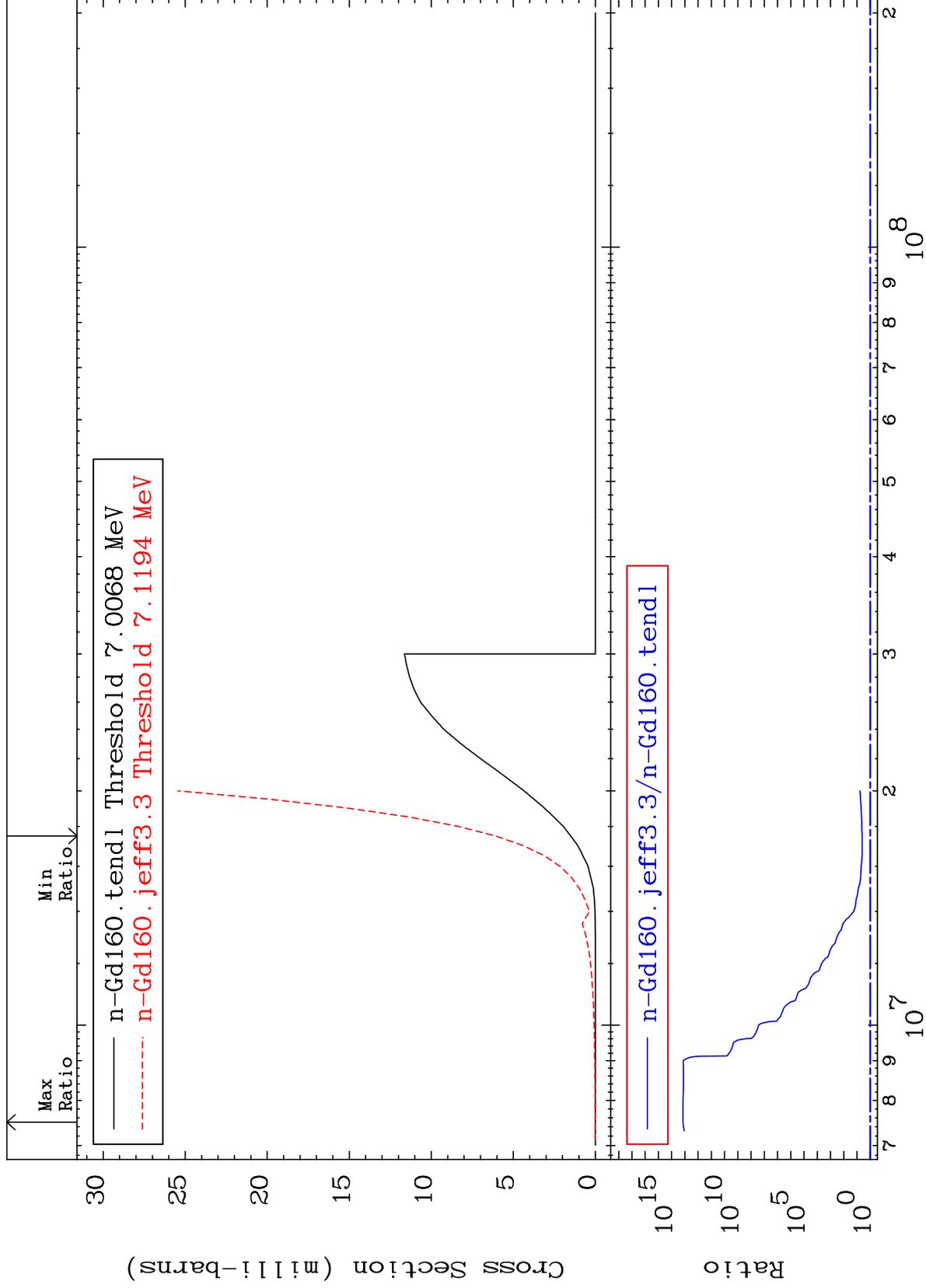
MAT 6449

(n, d)

64-Gd-160

Cross Section

303.9 To 9999. %



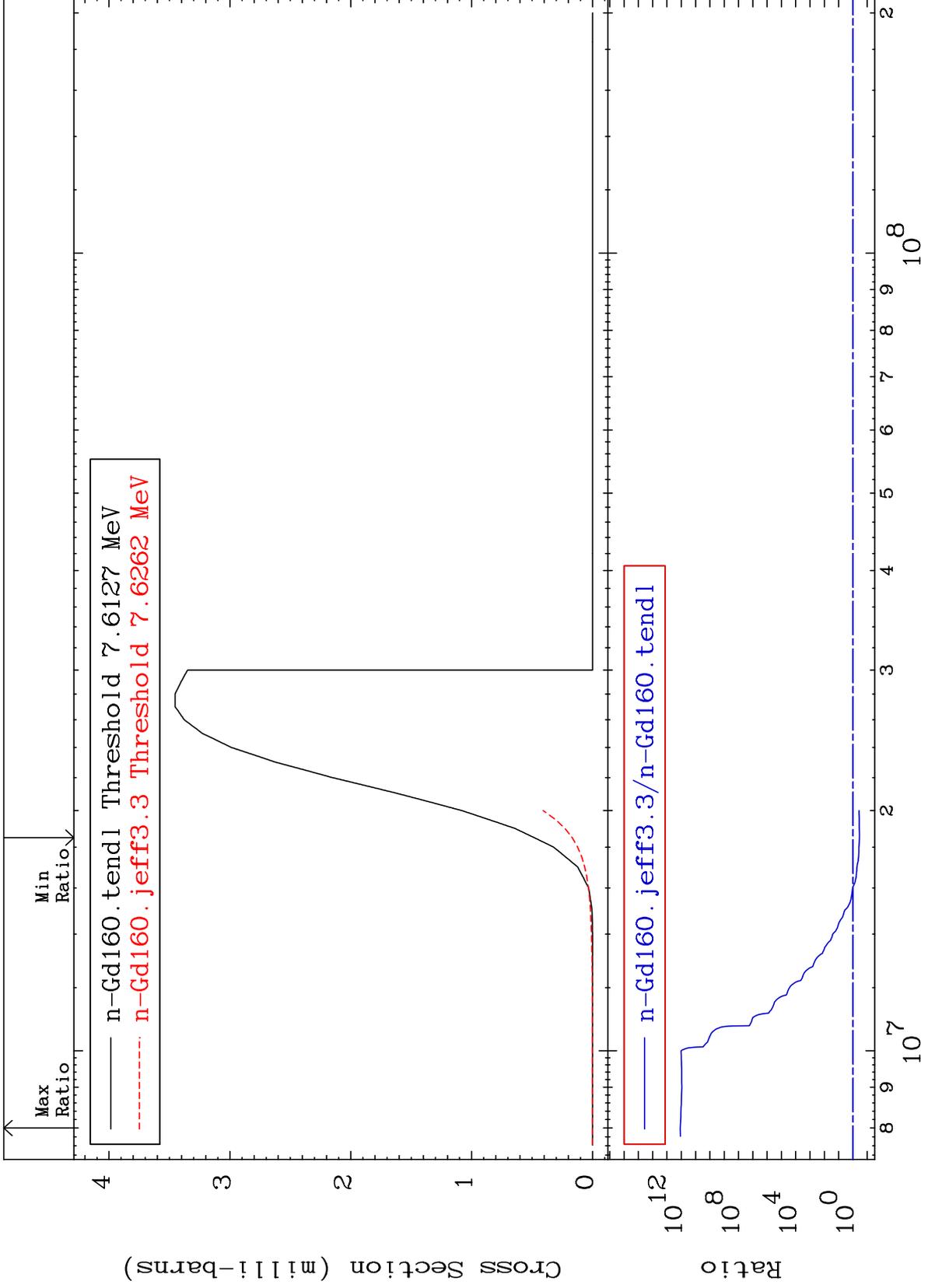
MAT 6449

(n, t)

64-Gd-160

Cross Section

-65.15 To 9999. %



14

Incident Energy (eV)

64-Gd-160

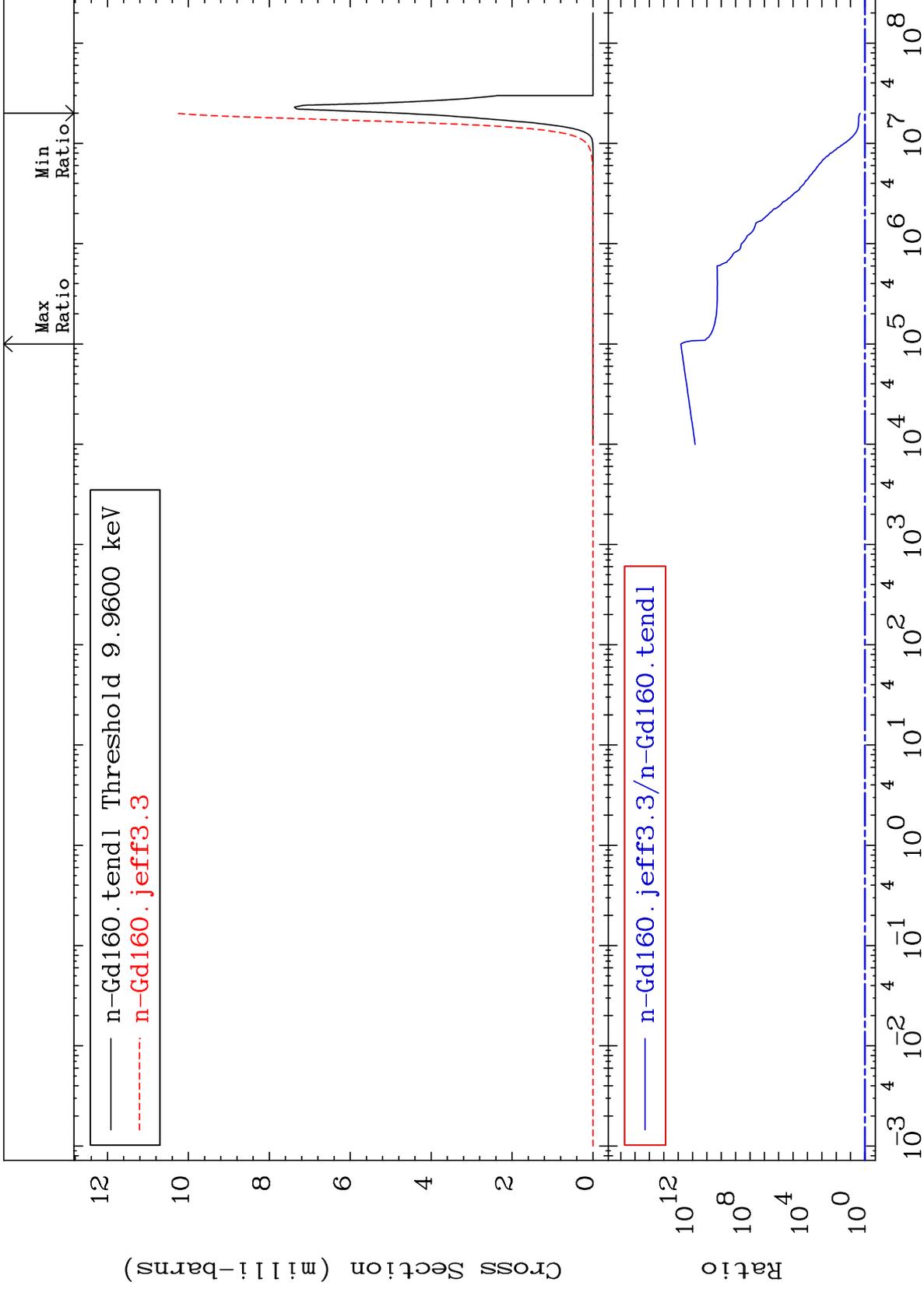
MAT 6449

(n, α)

64-Gd-160

Cross Section

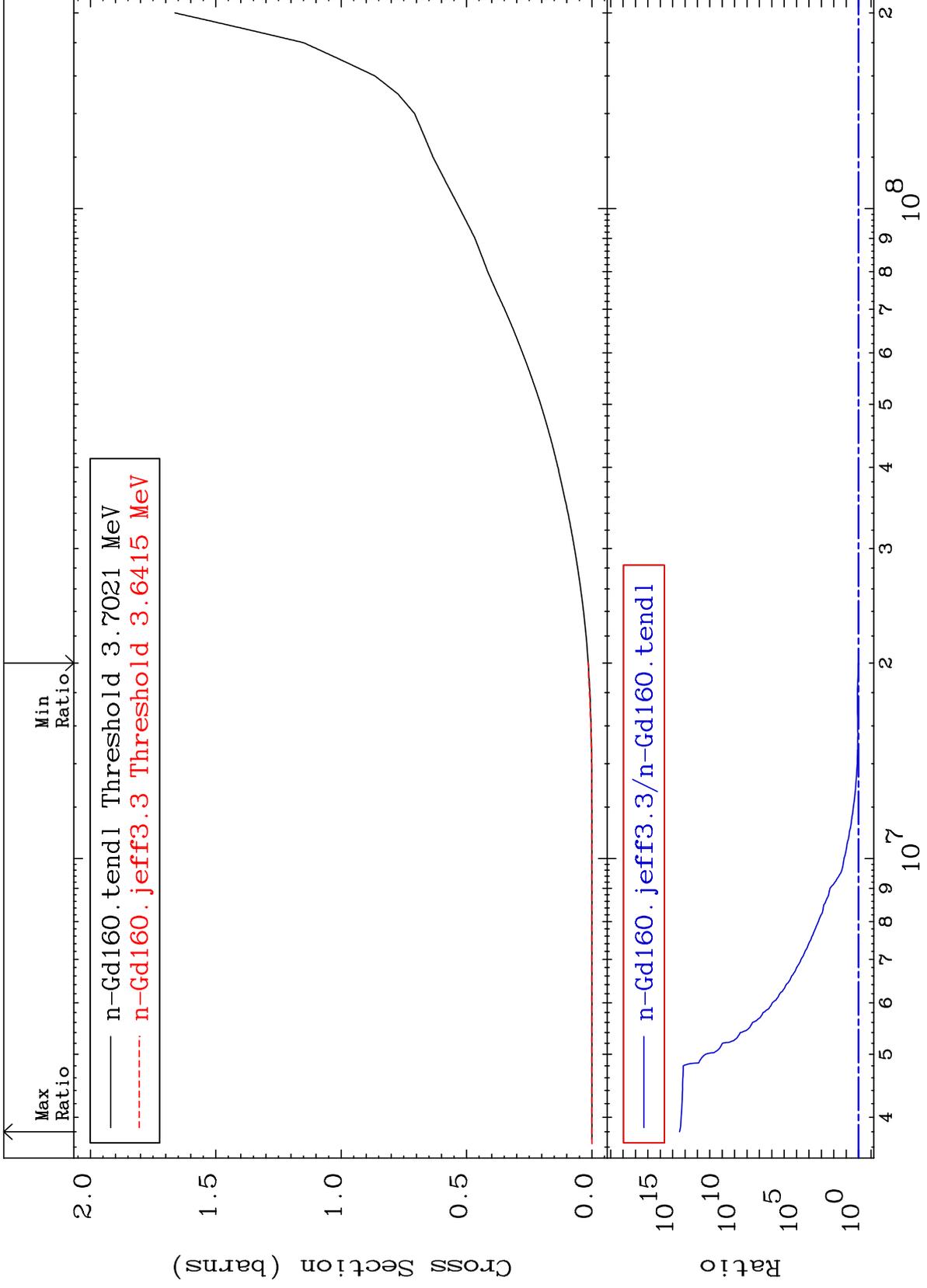
117.4 To 9999. %



MAT 6449

Hydrogen Production
Cross Section

64-Gd-160
To 9999. %
0.221



16

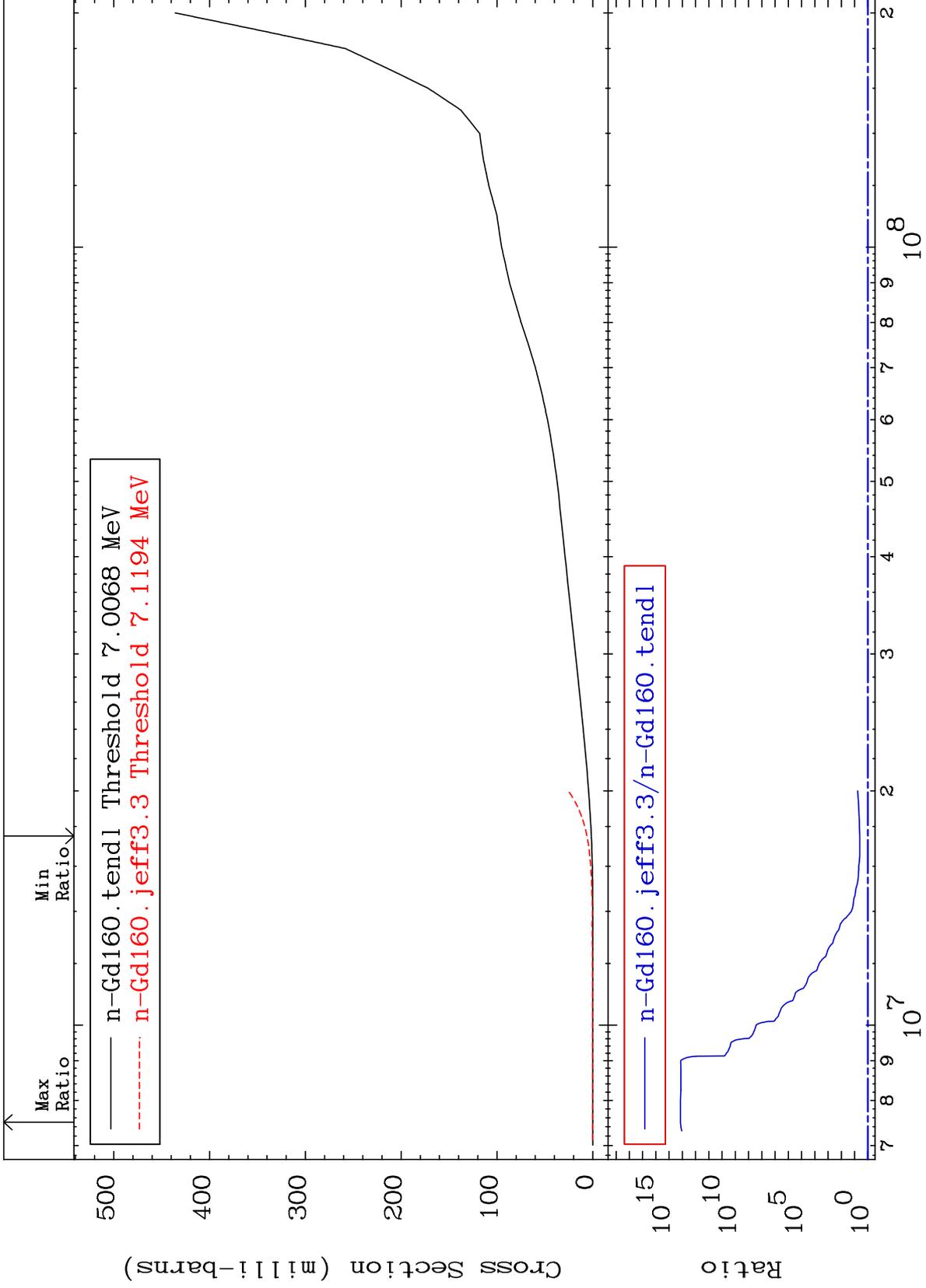
Incident Energy (eV)

64-Gd-160

MAT 6449

Deuterium Production
Cross Section

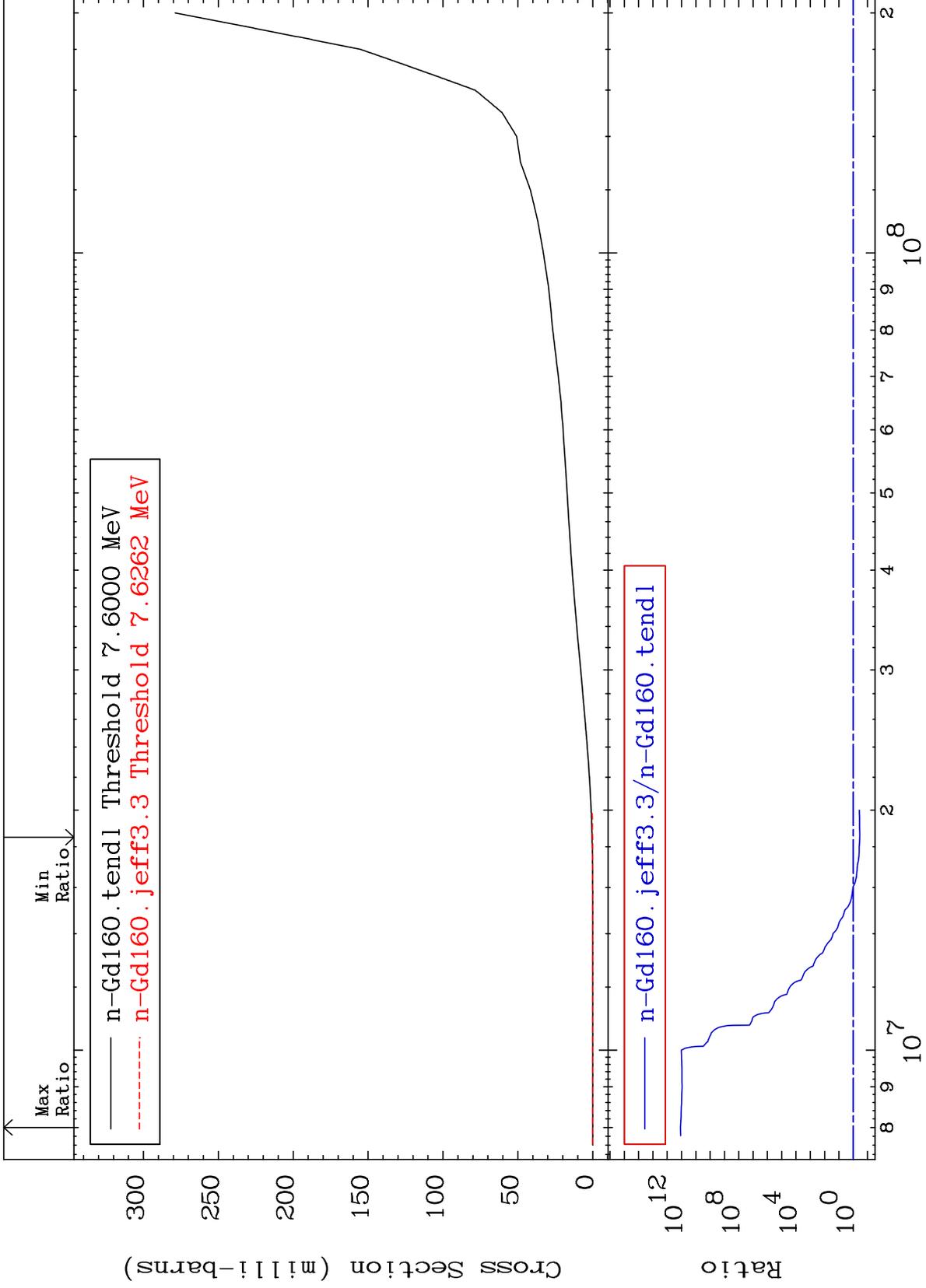
64-Gd-160
To 9999. %
303.9



MAT 6449

Tritium Production
Cross Section

64-Gd-160
-65.16 To 9999. %



18

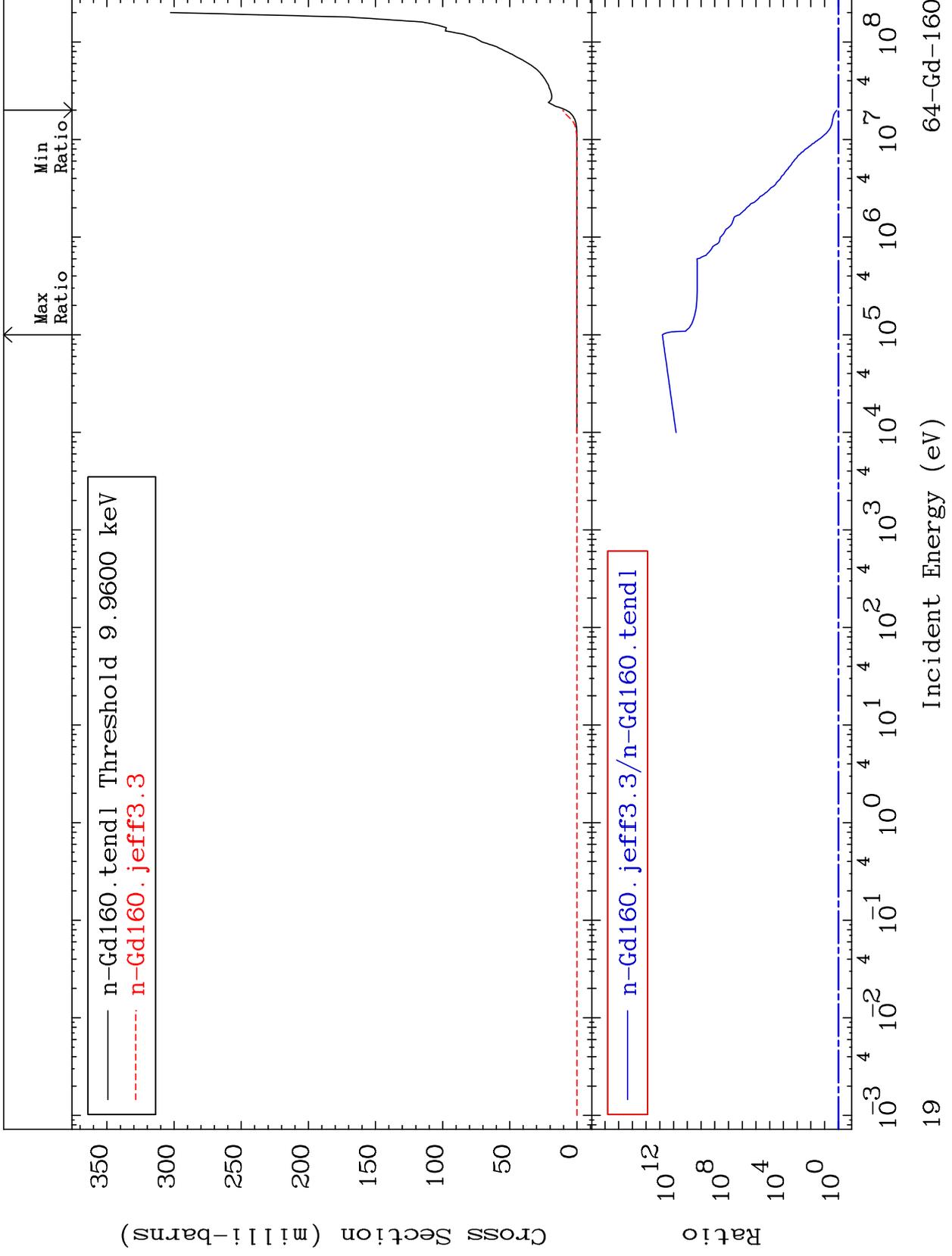
Incident Energy (eV)

64-Gd-160

MAT 6449

He-4 Production
Cross Section

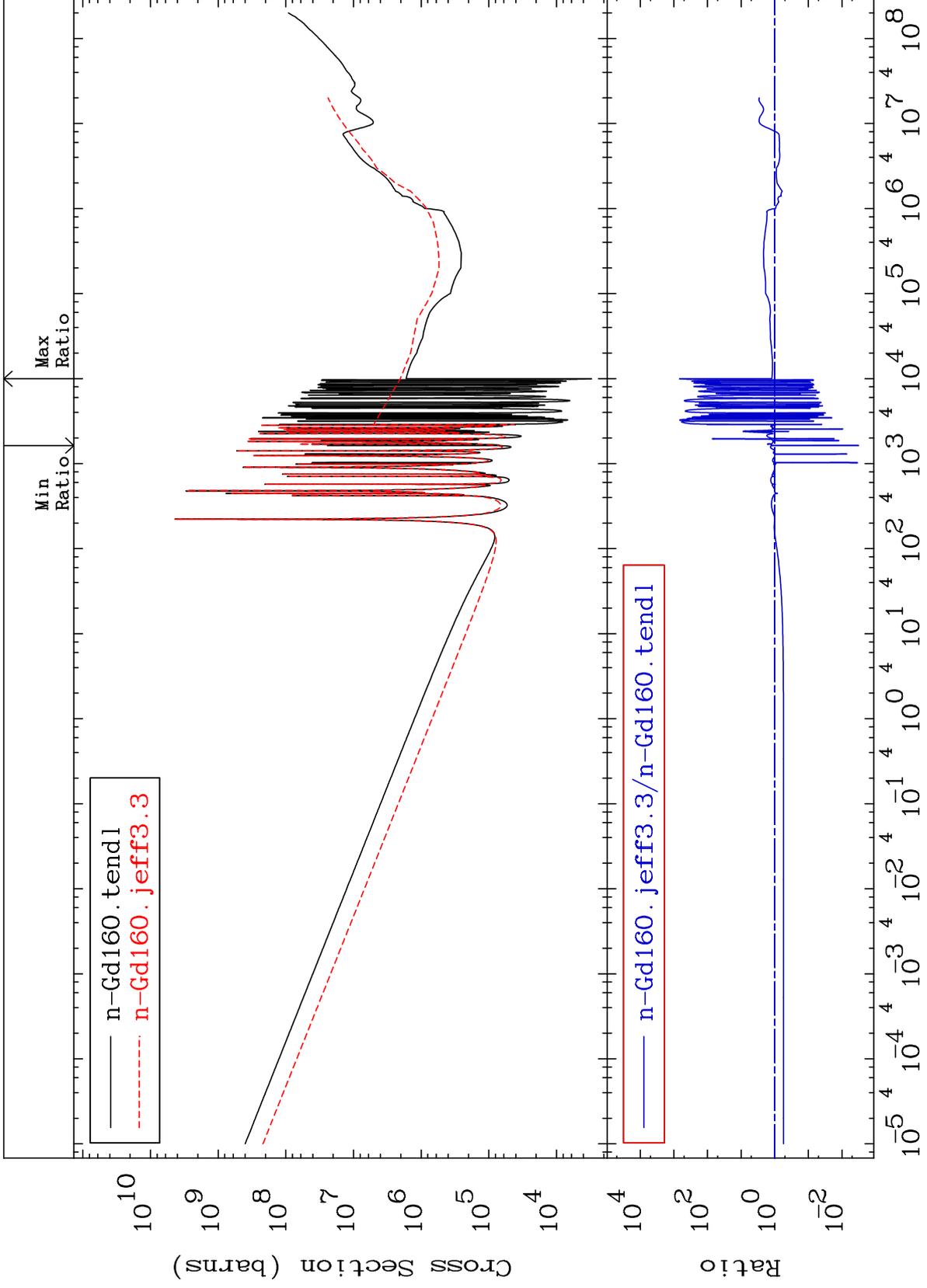
64-Gd-160
29.82 To 9999. %



MAT 6449

Kerma total (eV-barns)
Cross Section

64-Gd-160
-99.68 To 9999. %



20

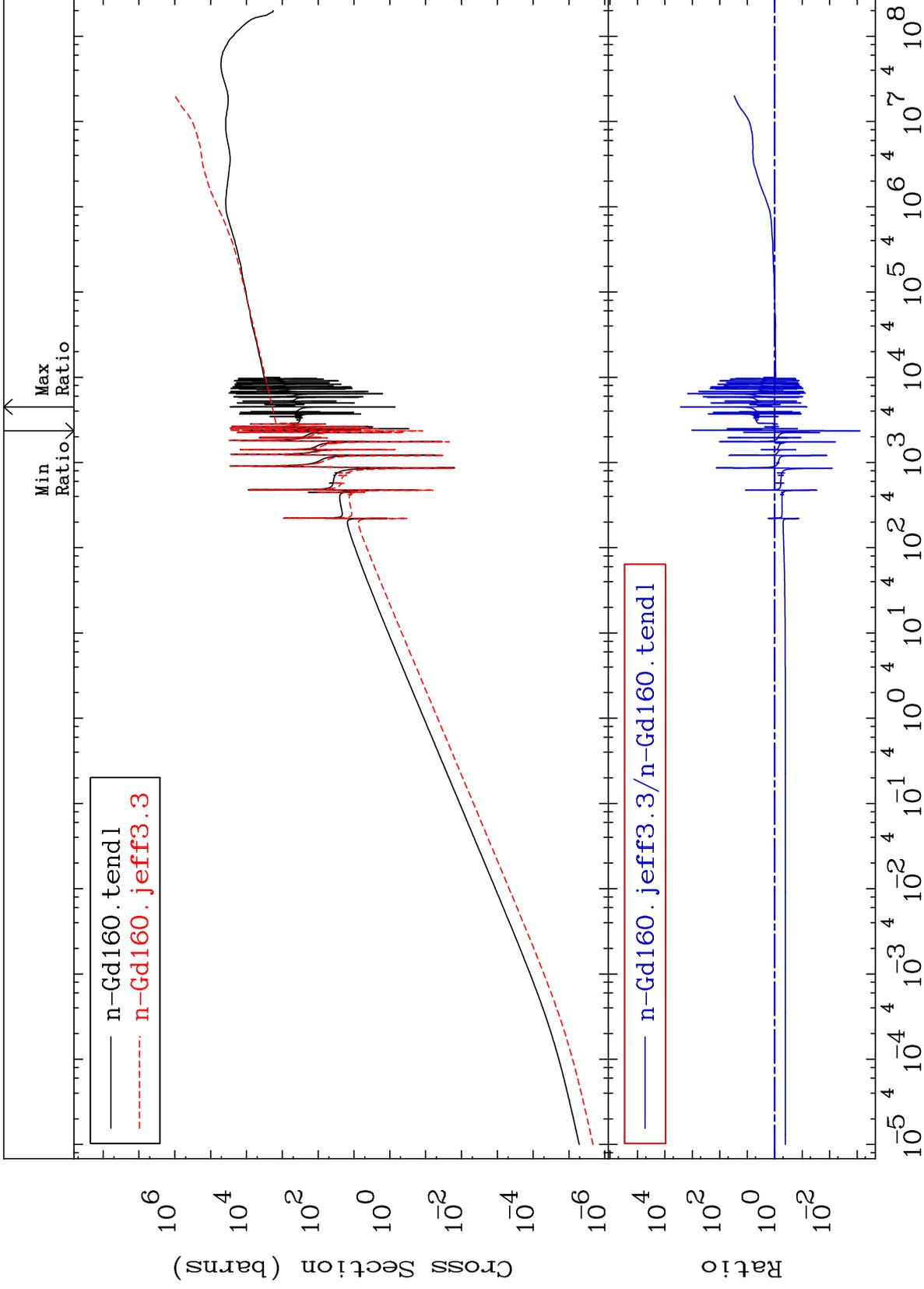
Incident Energy (eV)

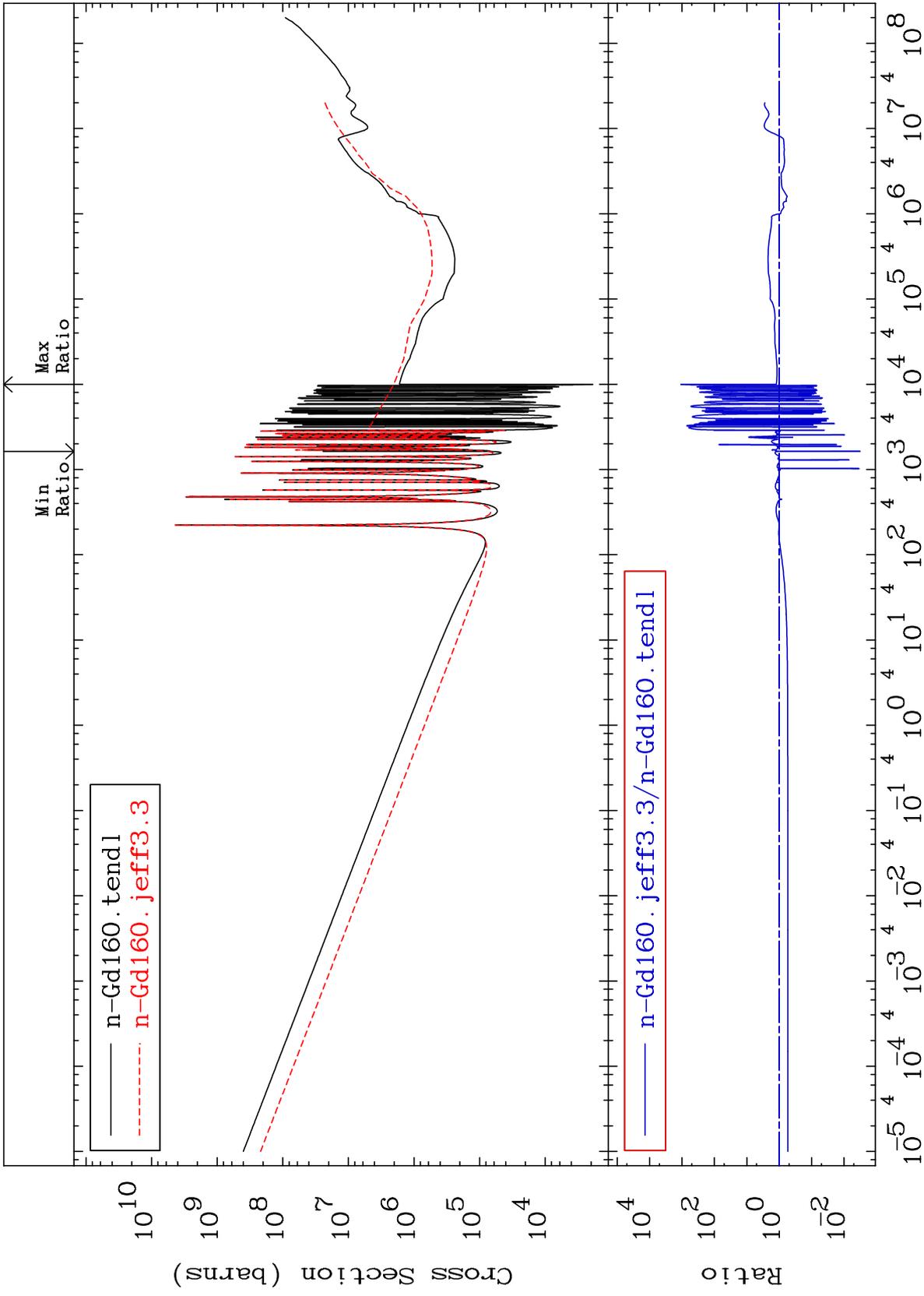
64-Gd-160

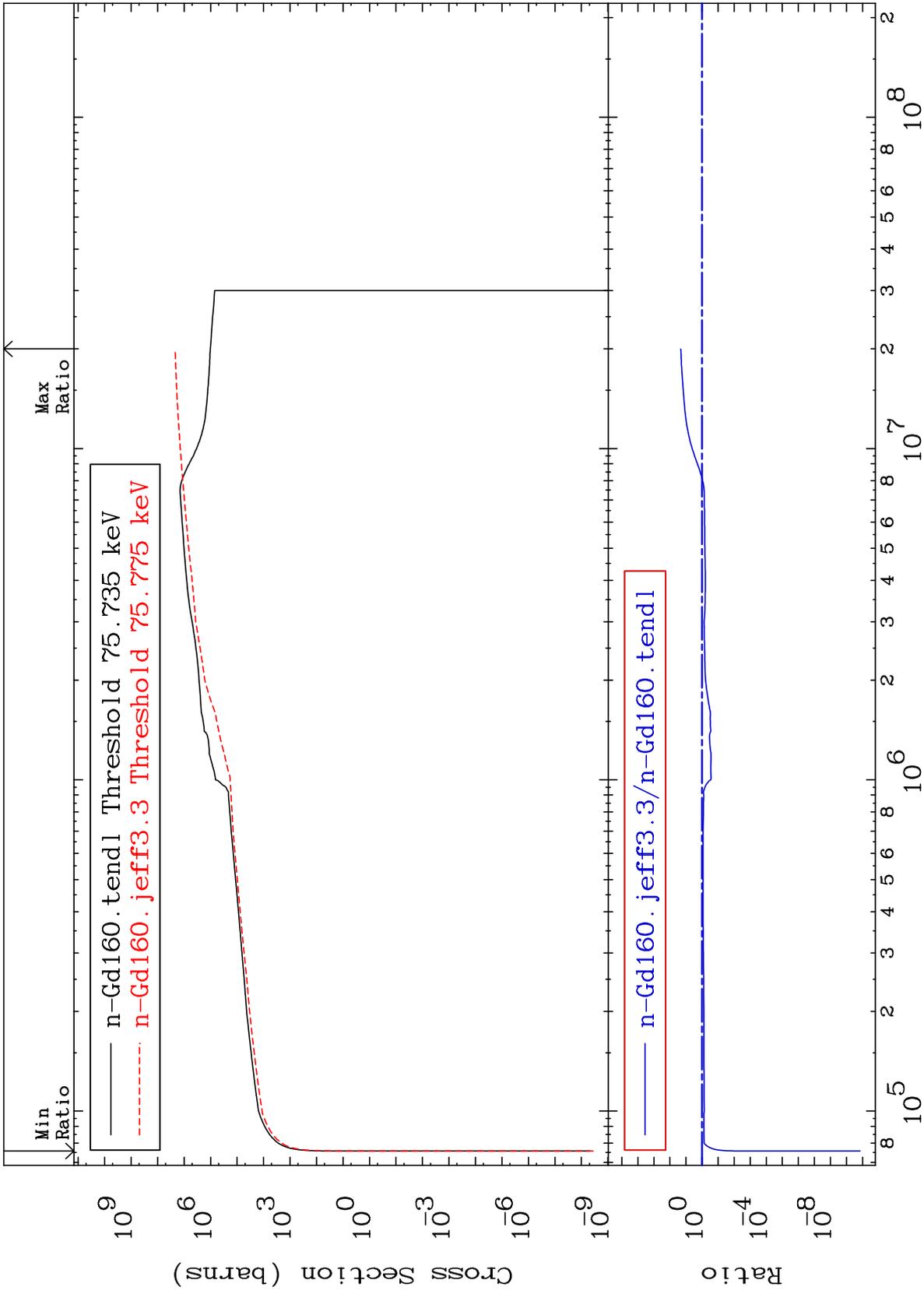
MAT 6449

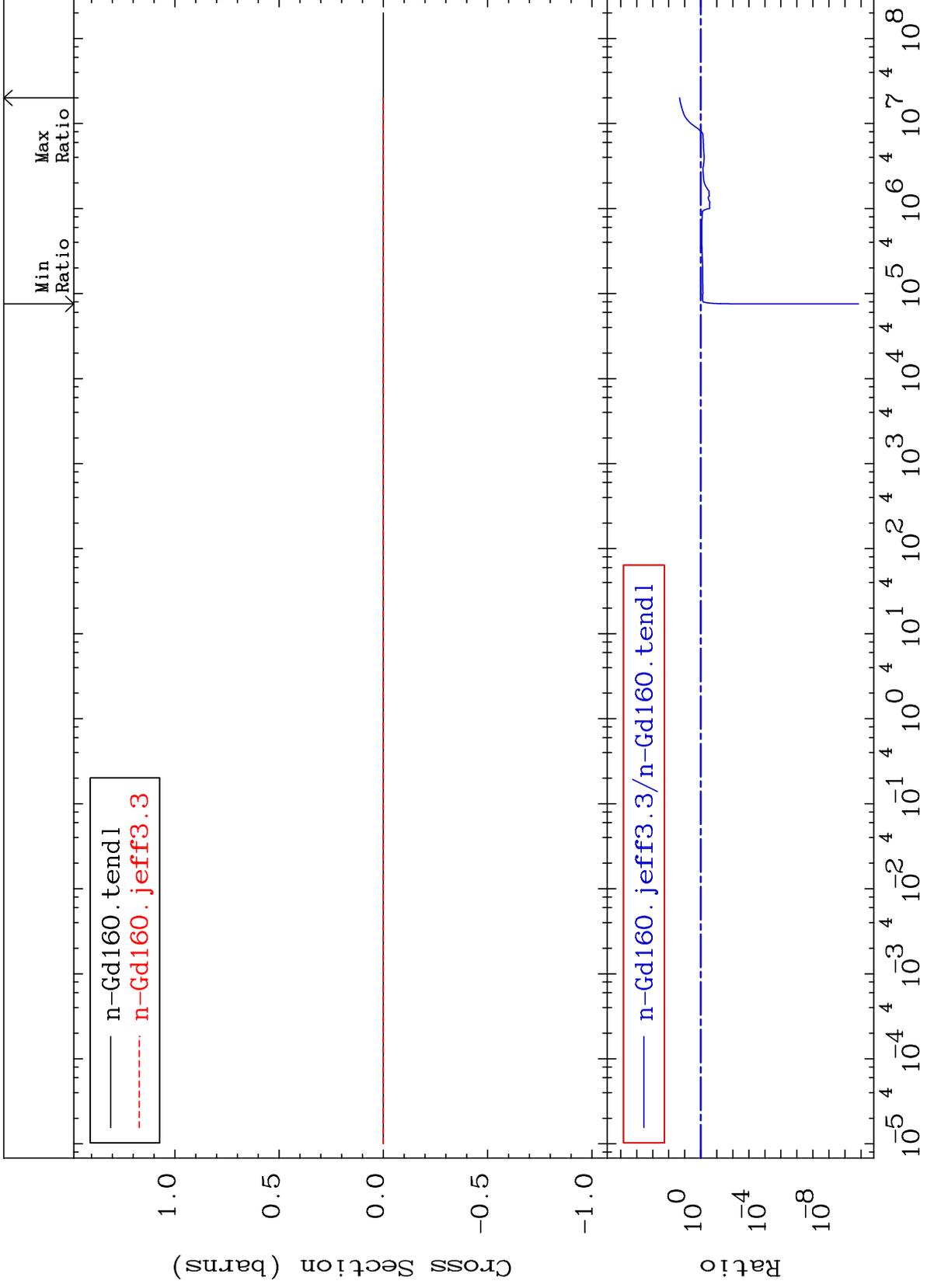
Kerma elastic
Cross Section

64-Gd-160
-99.92 To 9999. %





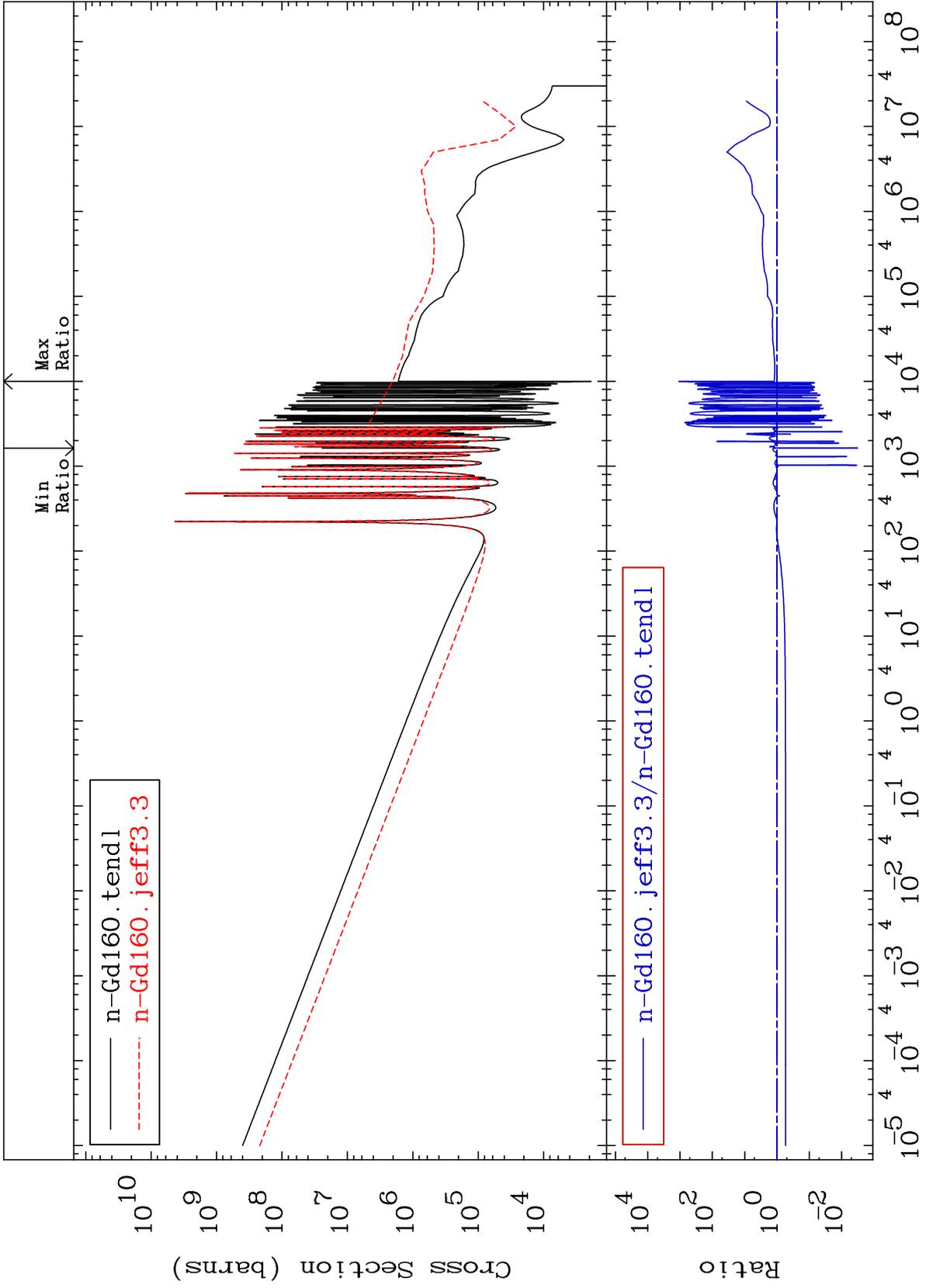




MAT 6449

Kerma capture (mt102)
Cross Section

64-Gd-160
-99.68 To 9999. %



25

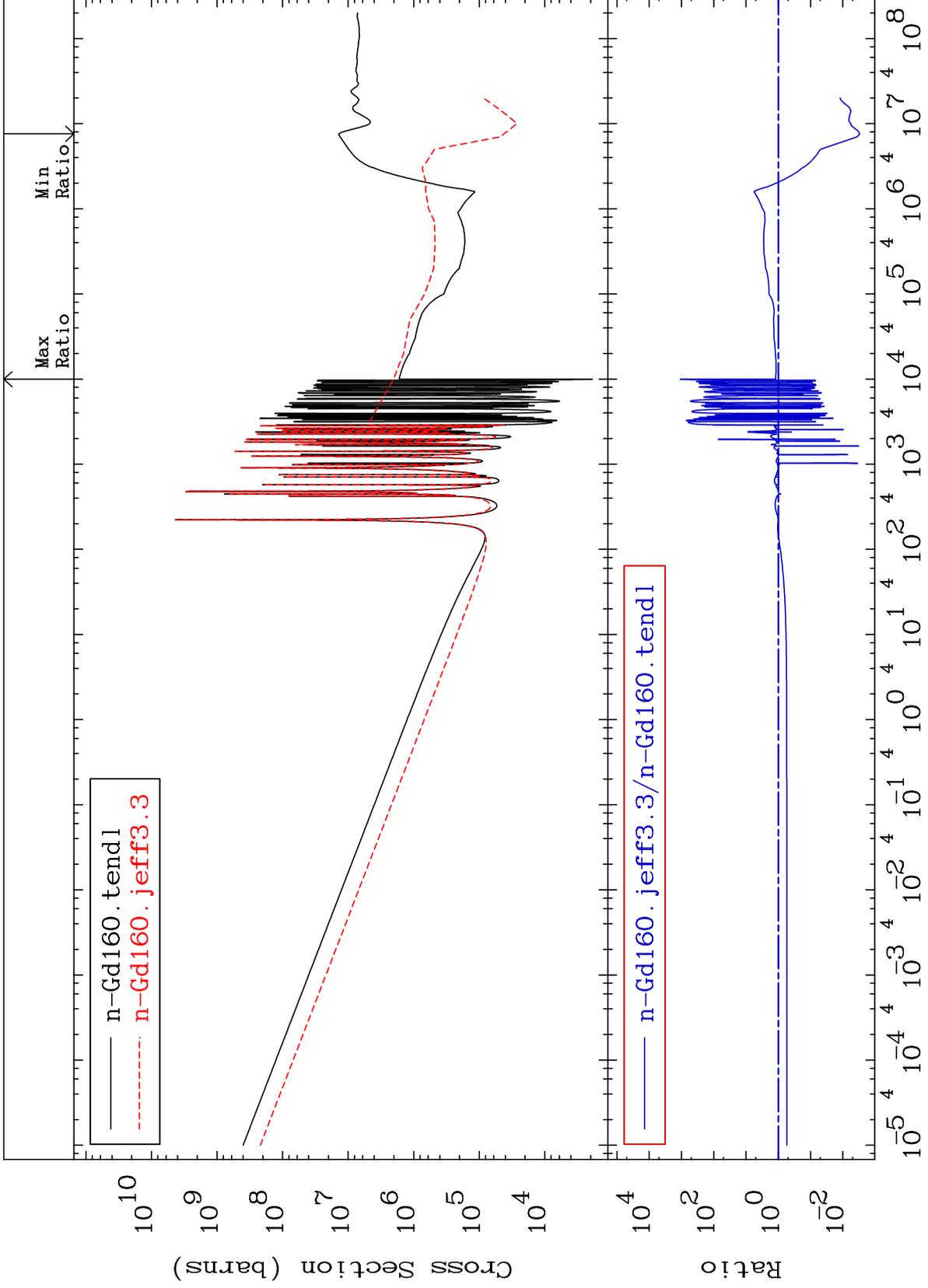
Incident Energy (eV)

64-Gd-160

MAT 6449

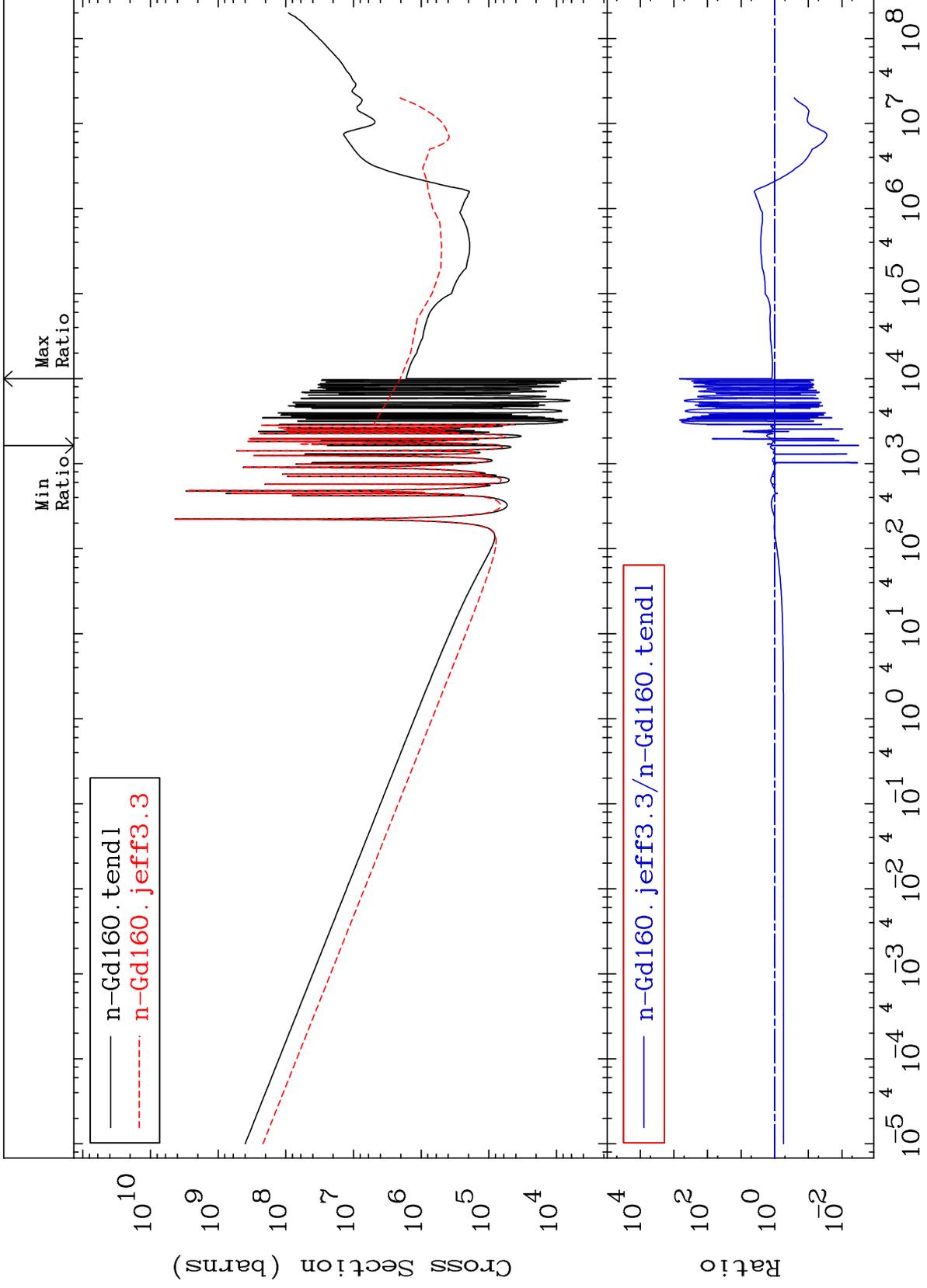
Total photon (eV-barns)
Cross Section

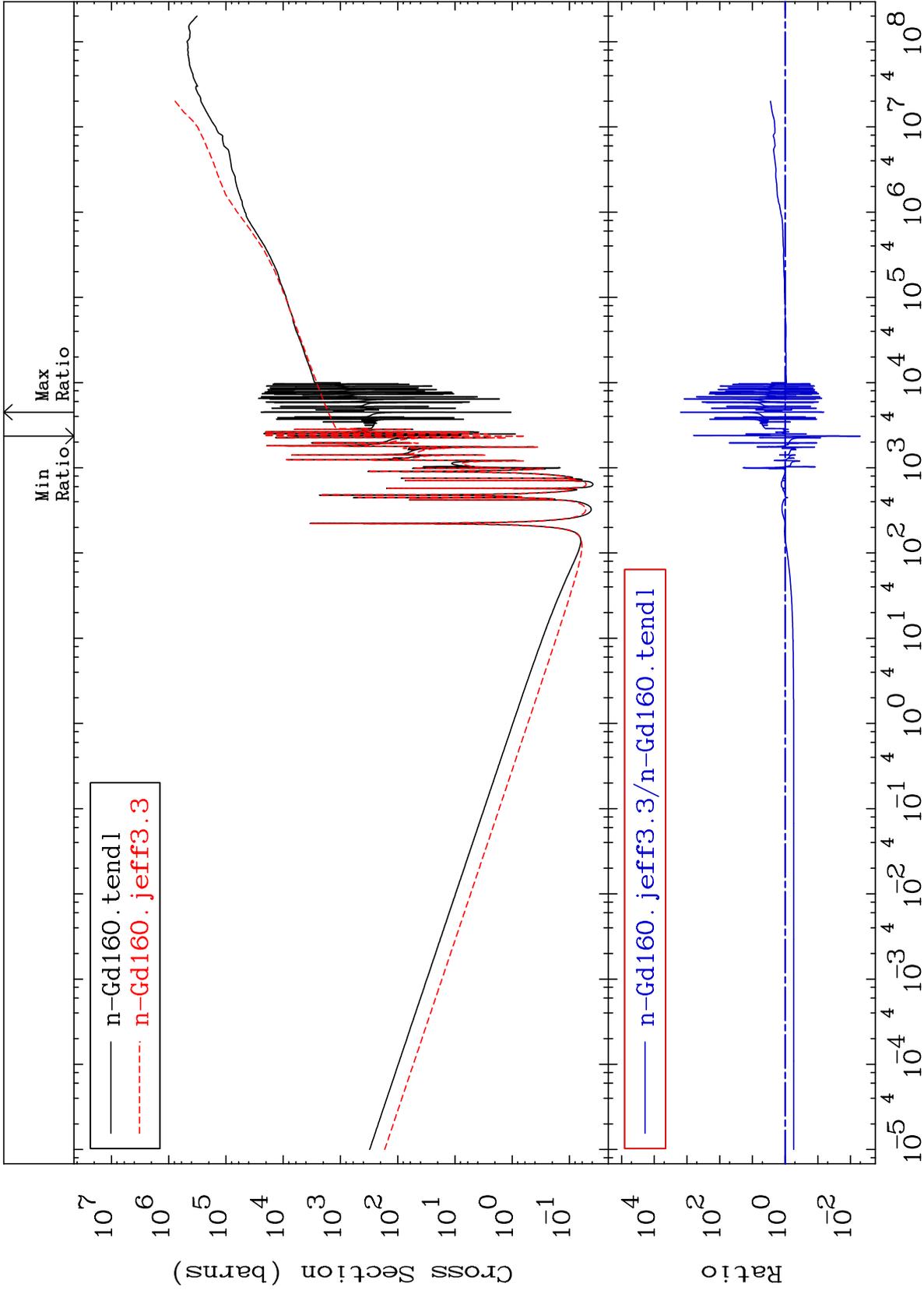
64-Gd-160
-99.70 To 9999. %

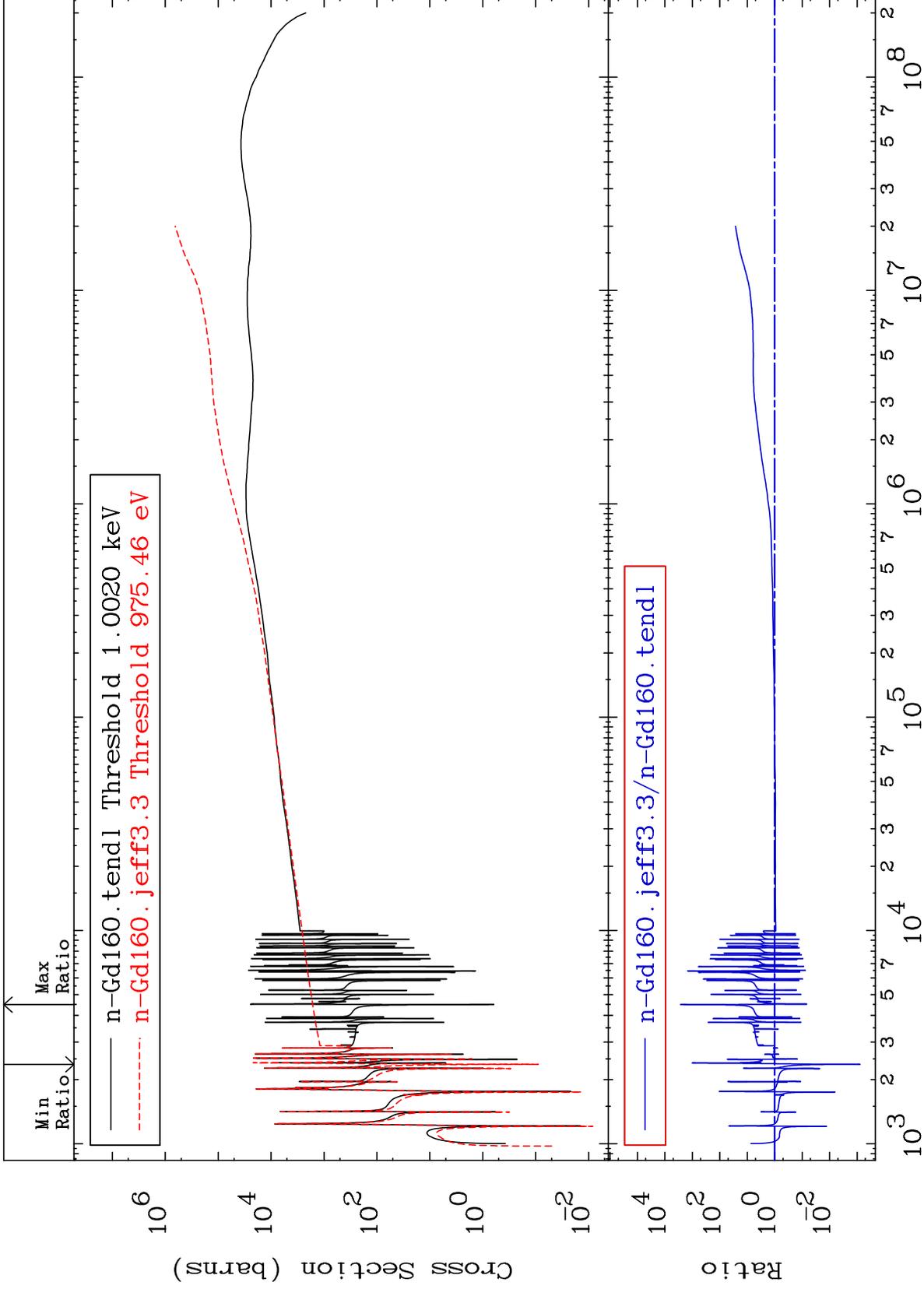


26

64-Gd-160



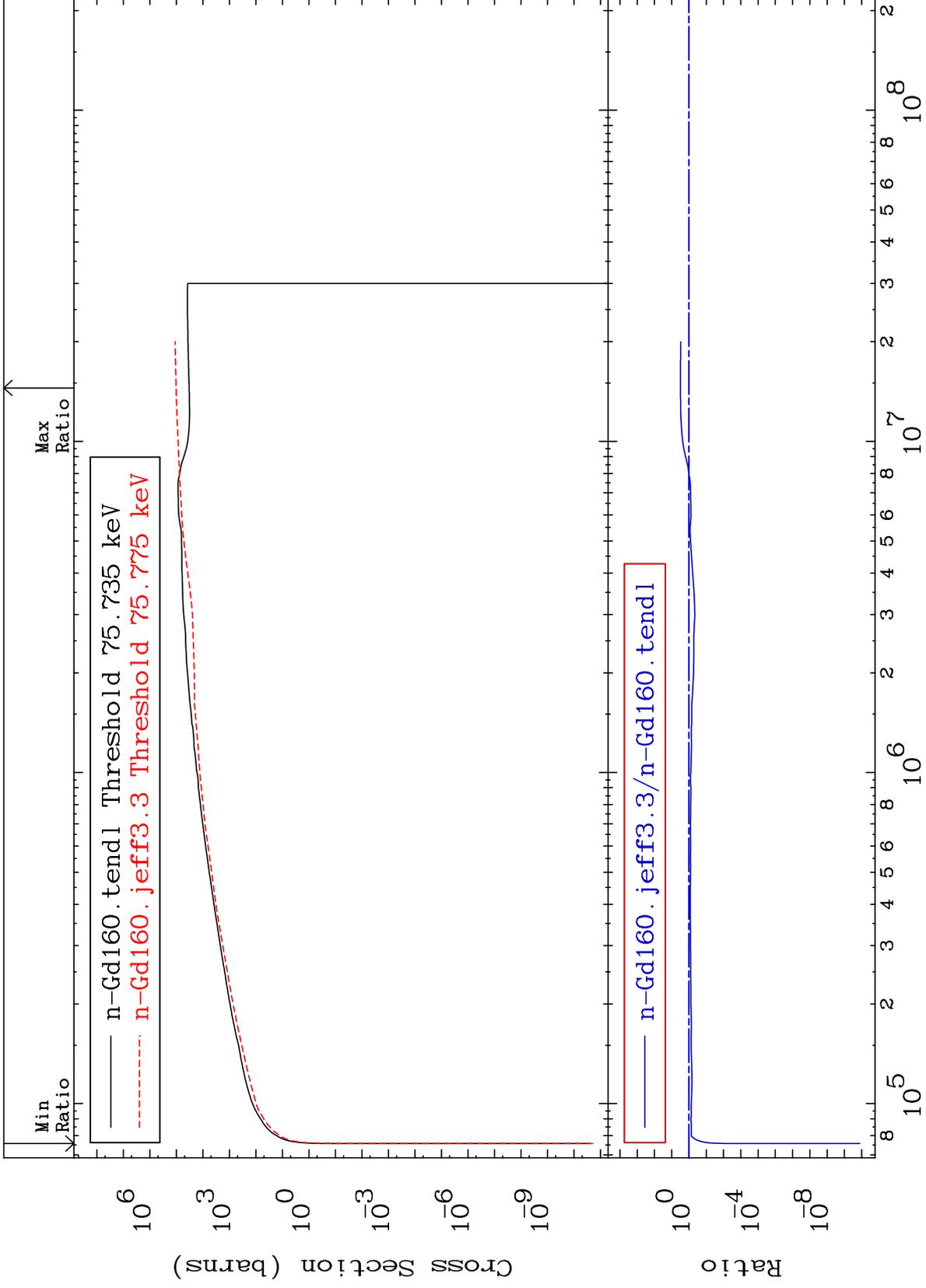




MAT 6449

Dpa inelastic (mt51-91)
Cross Section

64-Gd-160
-100.0 To 209.9 %



30

Incident Energy (eV)

64-Gd-160

