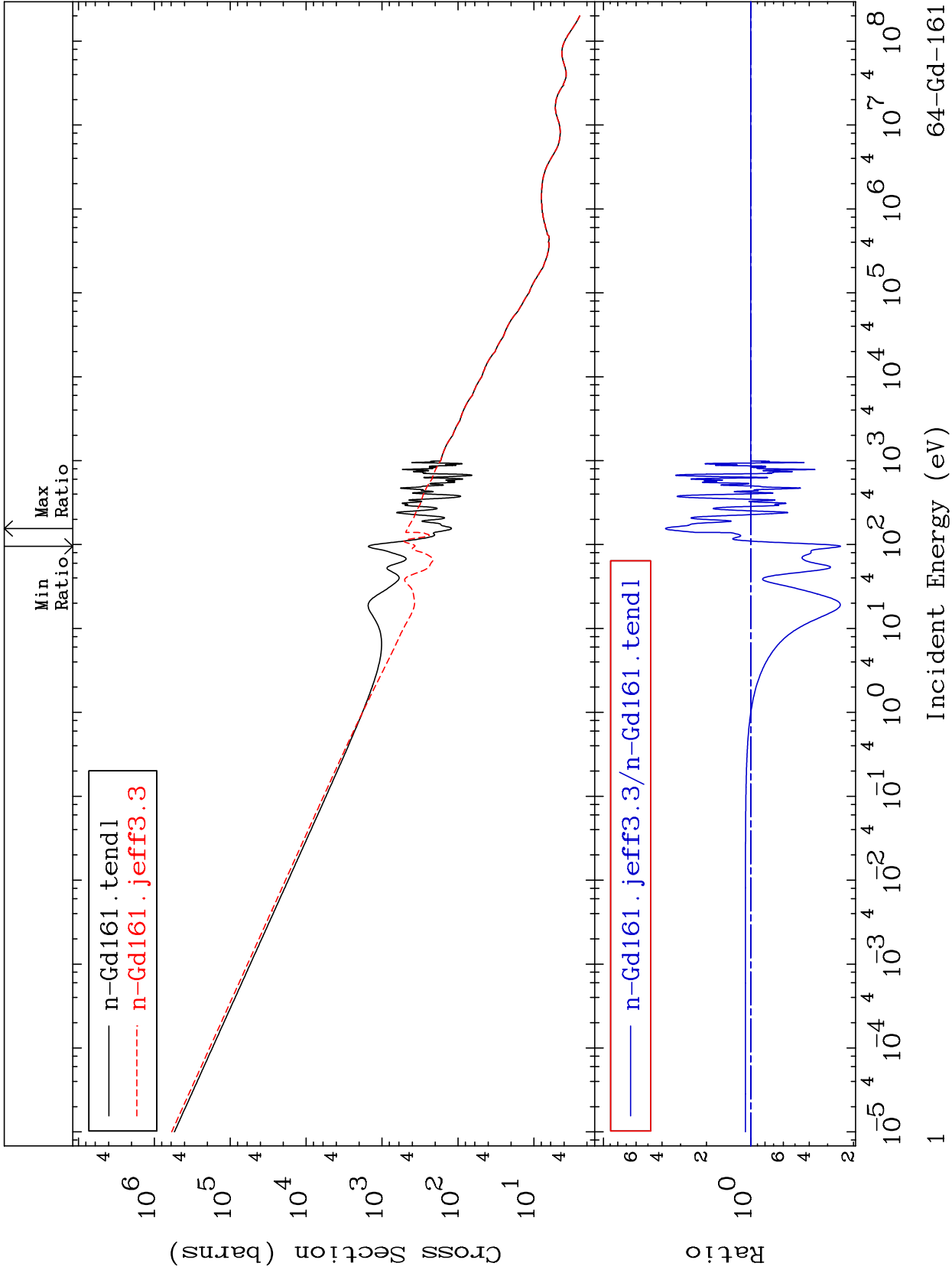


MAT 6452

Total Cross Section
64-Gd-161
-75.53 To 279.2 %



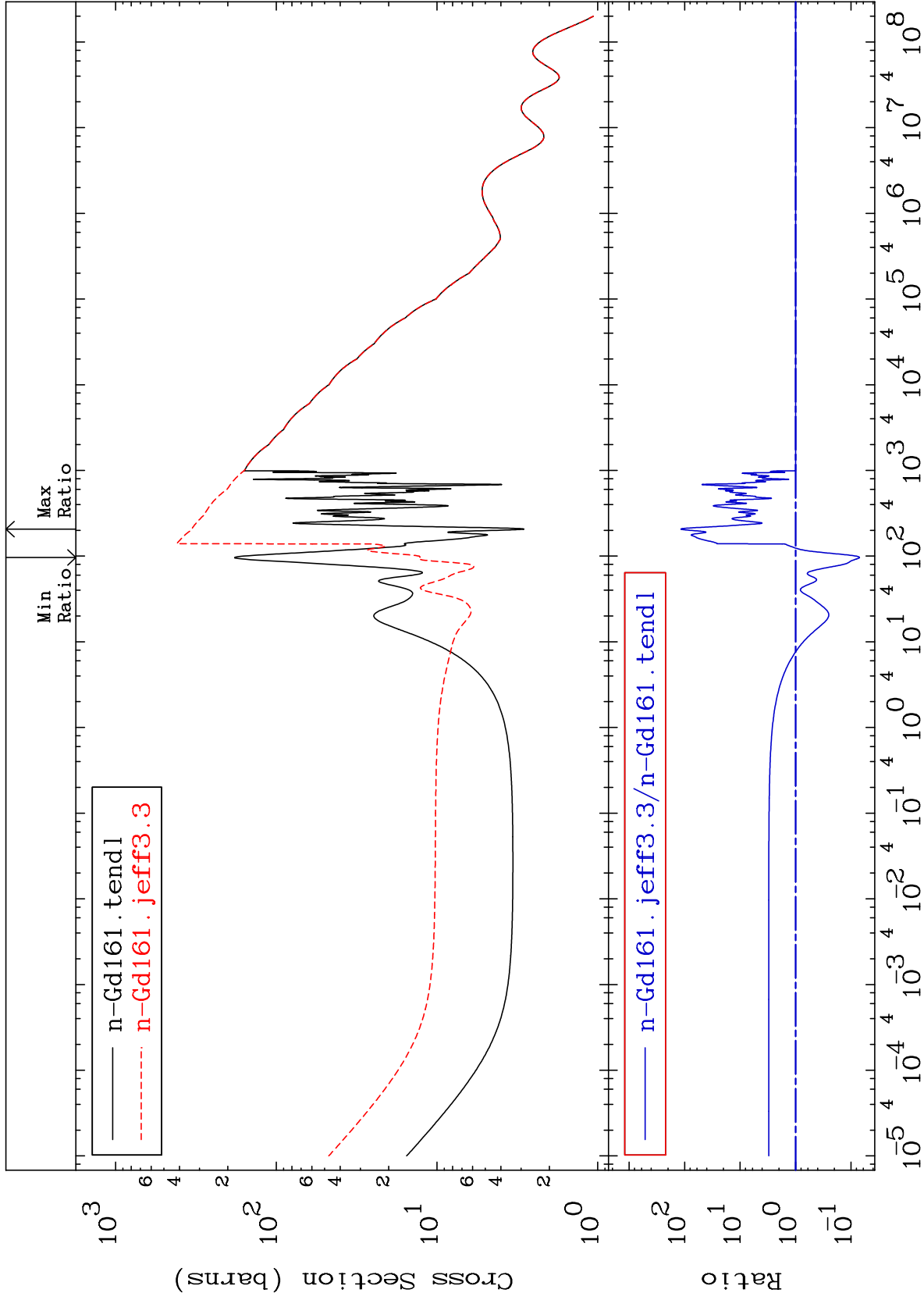
MAT 6452

Elastic

64-Gd-161

Cross Section

-92.96 To 9999. %



Incident Energy (eV)

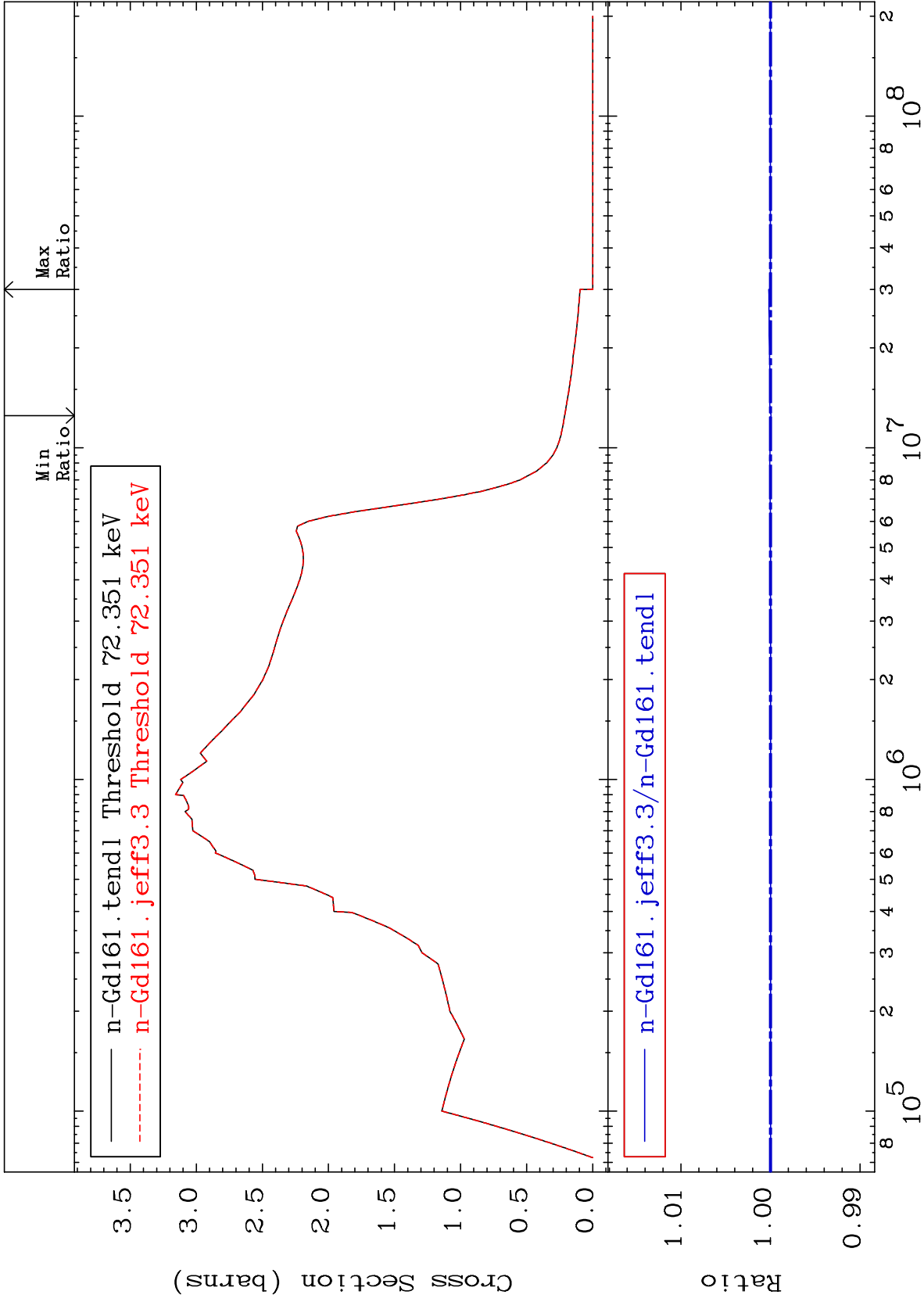
64-Gd-161

2

MAT 6452

Inelastic
Cross Section

64-Gd-161
-0.007 To 0.020 %



3

Incident Energy (eV)

64-Gd-161

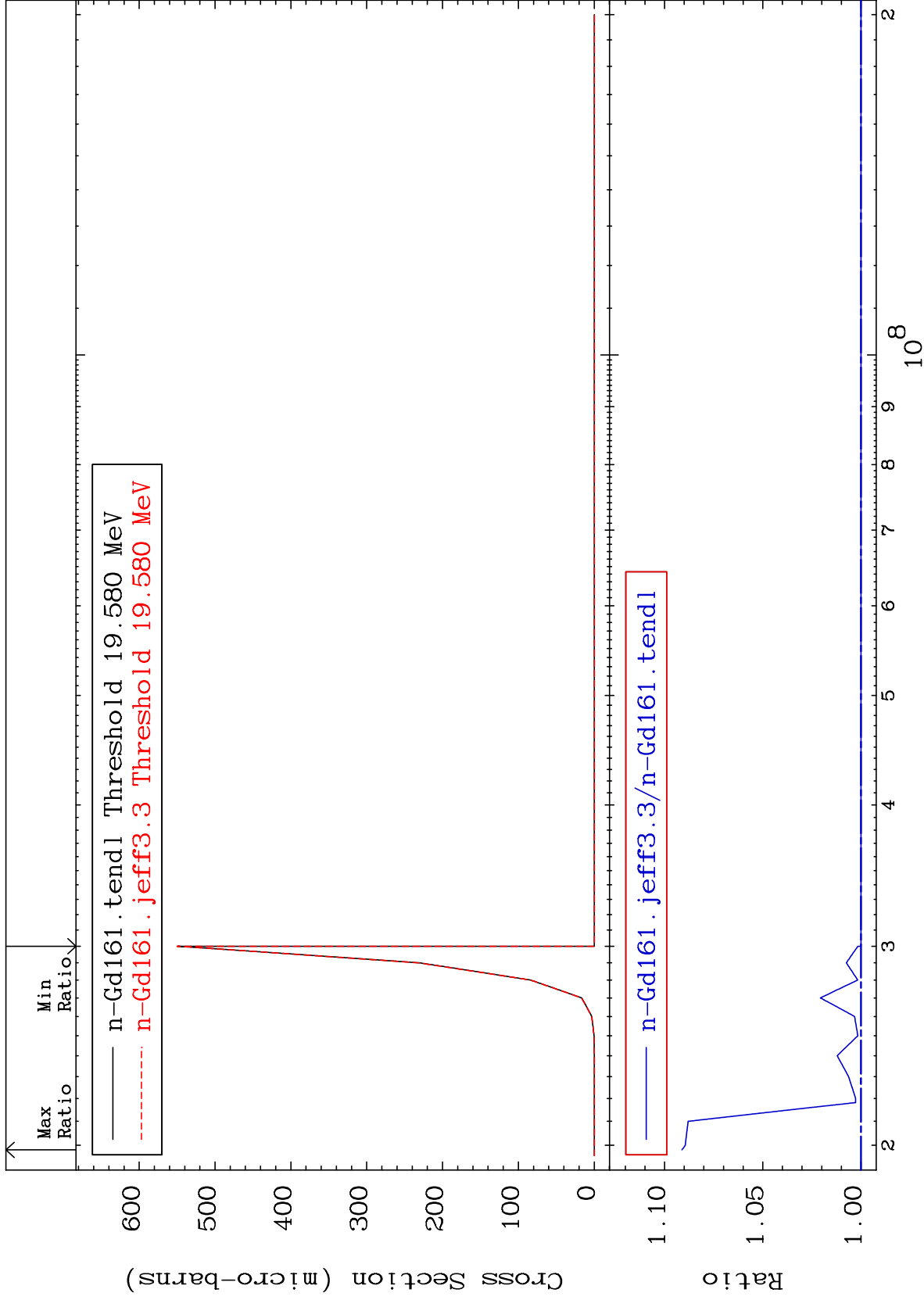
MAT 6452

(n,2n) d

64-Gd-161

Cross Section

0.000 To 9.118 %



MAT 6452

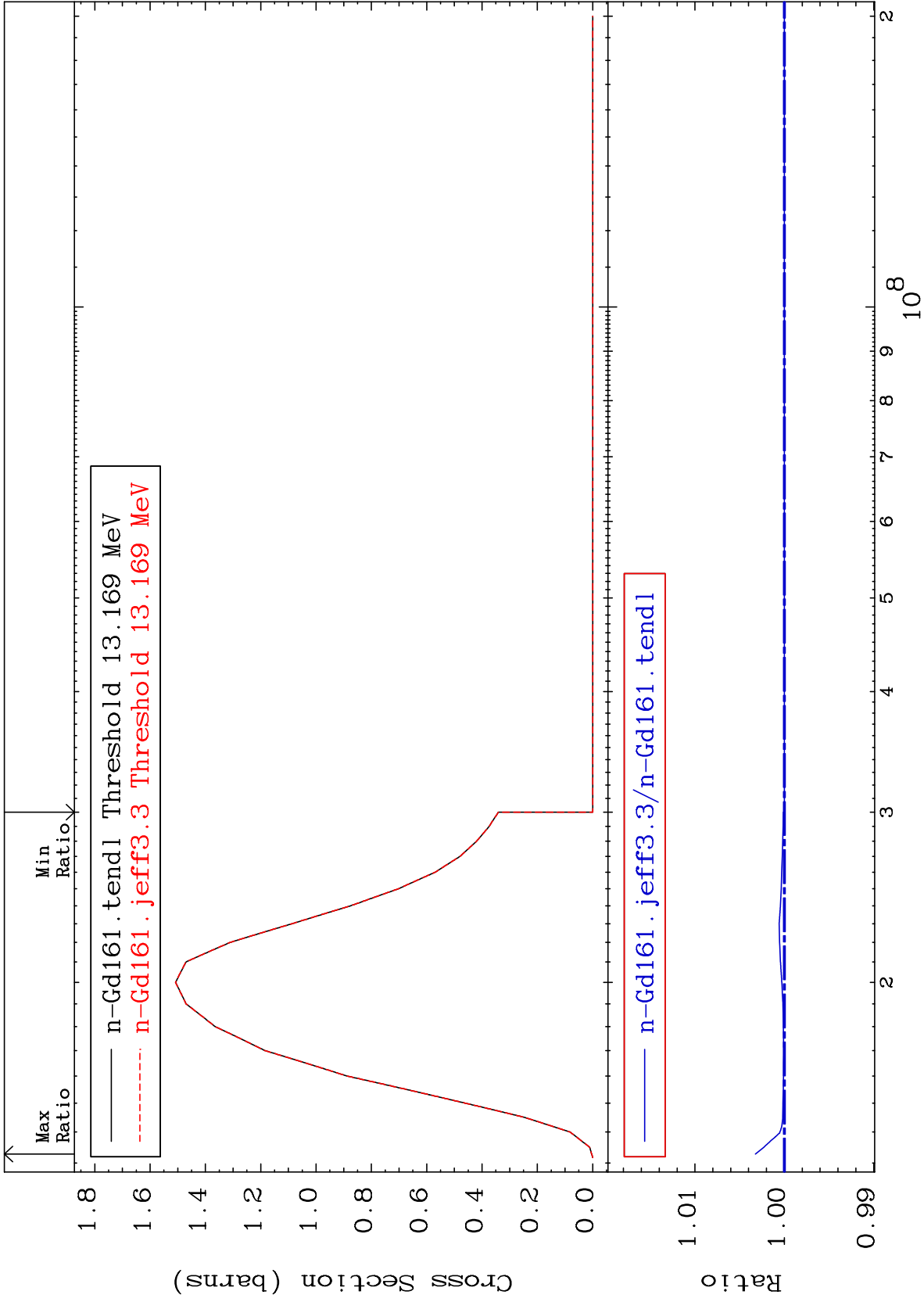
(n,3n)

64-Gd-161

Cross Section

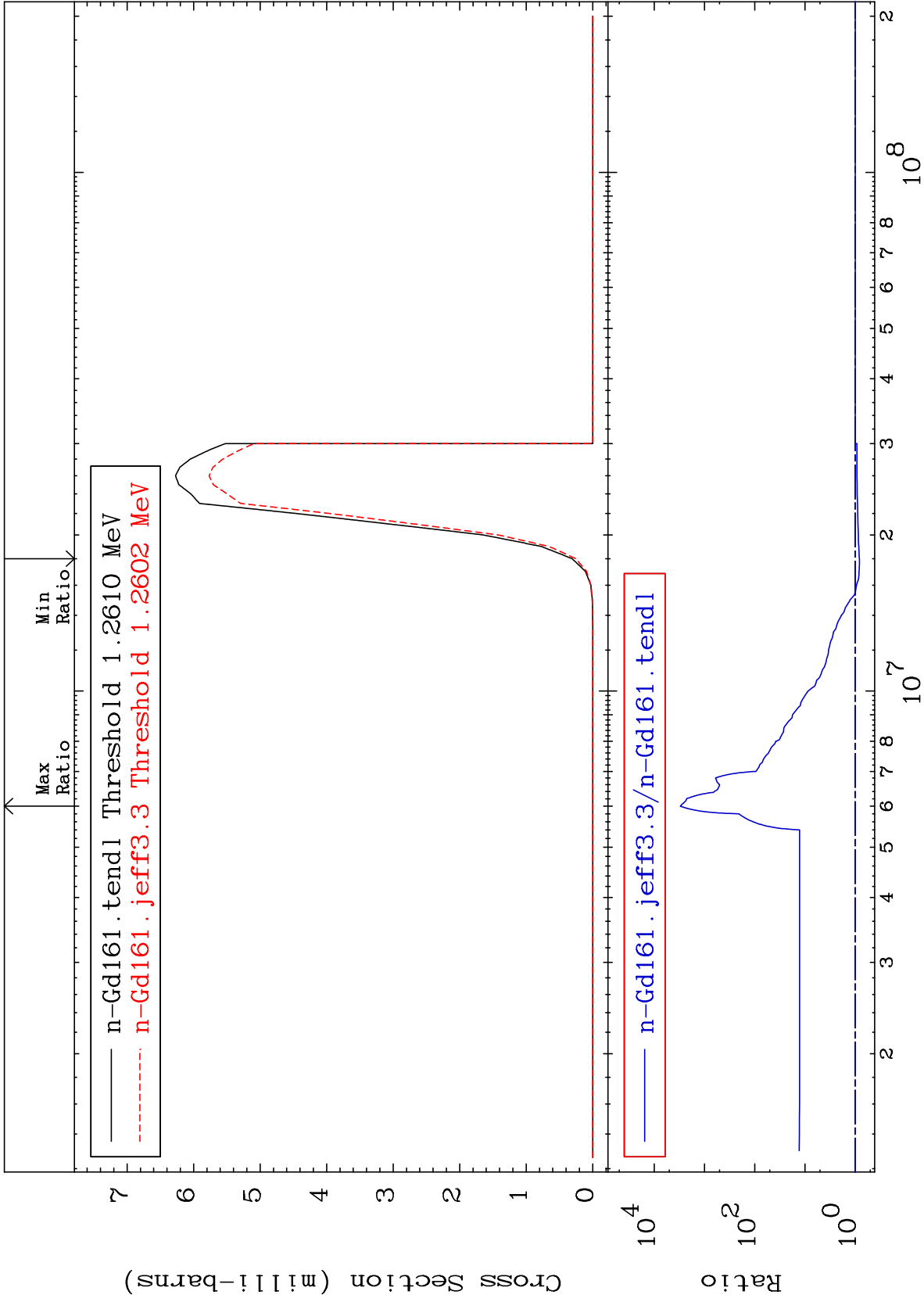
0.000

To 0.324 %



MAT 6452

(n, n') α
Cross Section
64-Gd-161
-17.80 To 9999. %



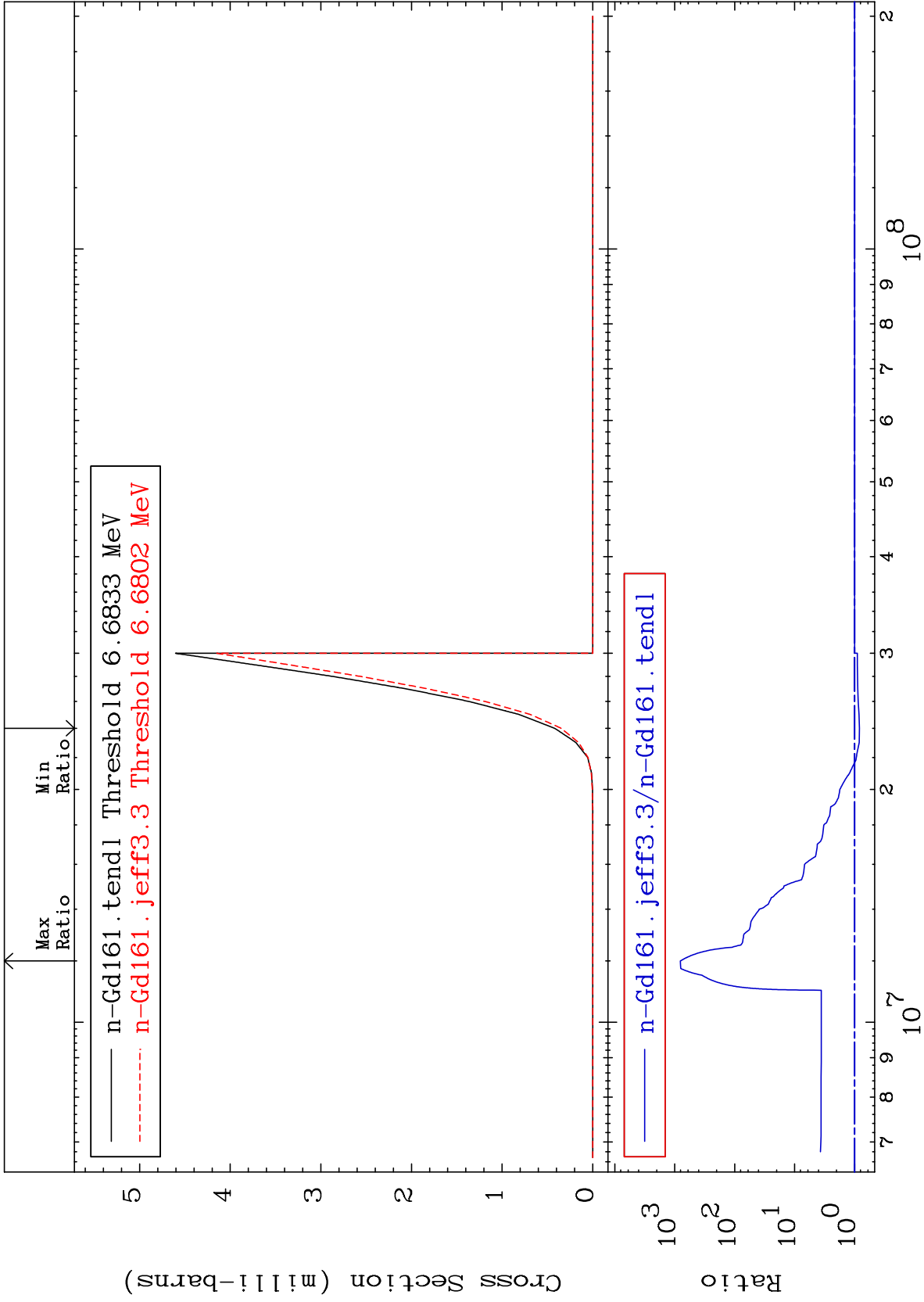
MAT 6452

(n,2n) α

64-Gd-161

Cross Section

-16.92 To 9999. %



7

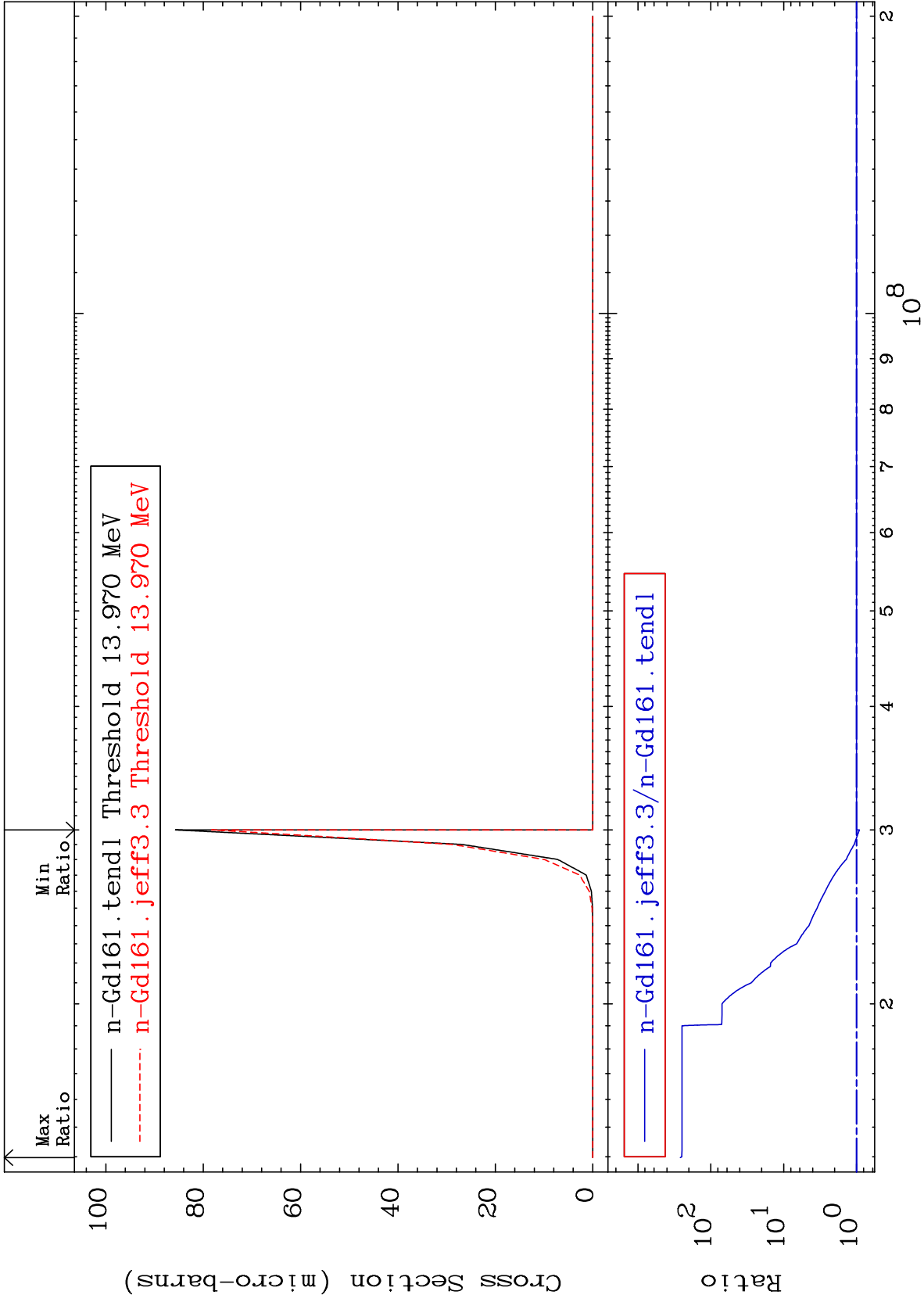
Incident Energy (eV)

64-Gd-161

MAT 6452

(n,3n) α
Cross Section

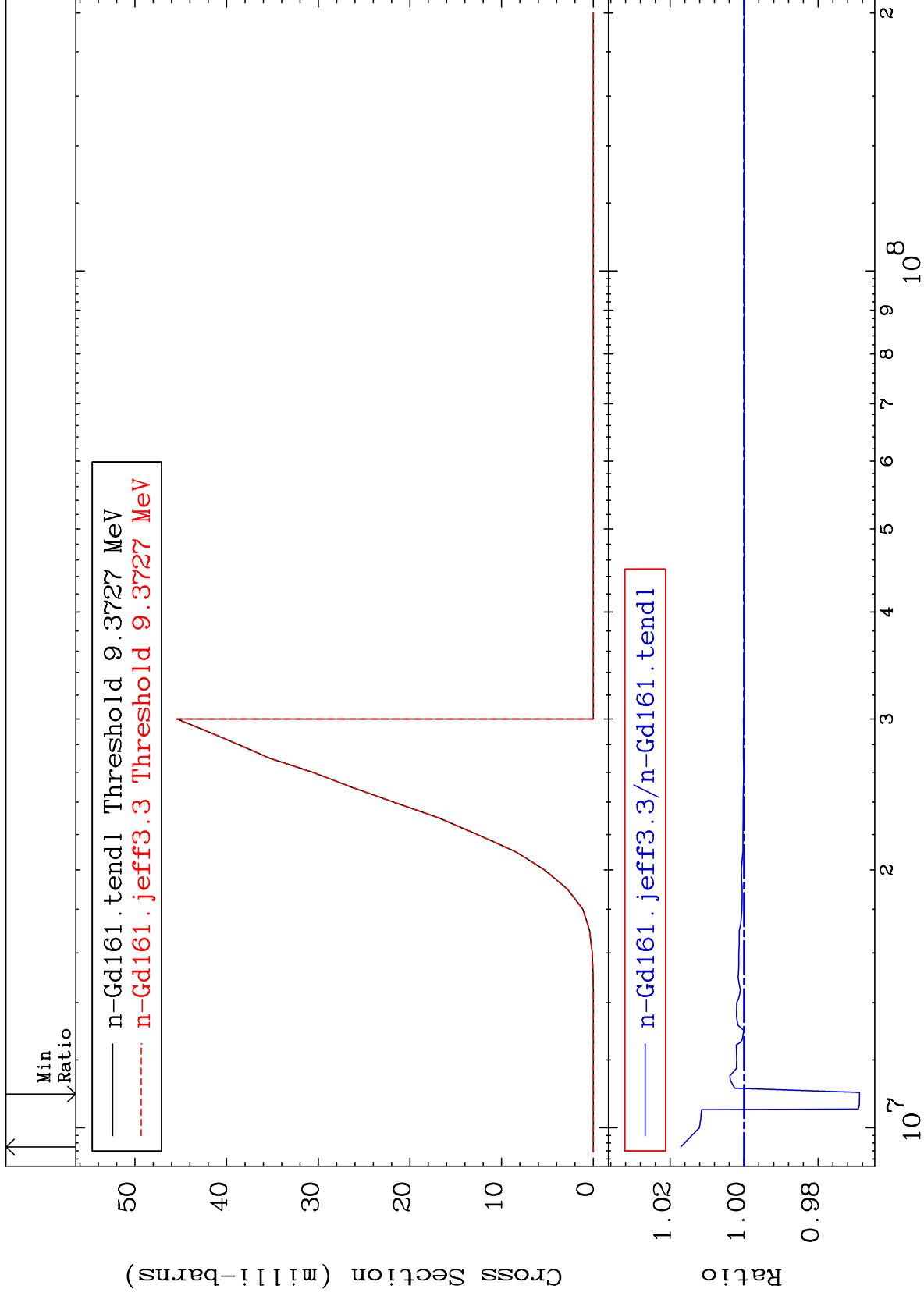
64-Gd-161
-8.734 To 9999. %



MAT 6452

(n,n') p
Cross Section

64-Gd-161
-3.119 To 1.710 %



64-Gd-161

64-Gd-161

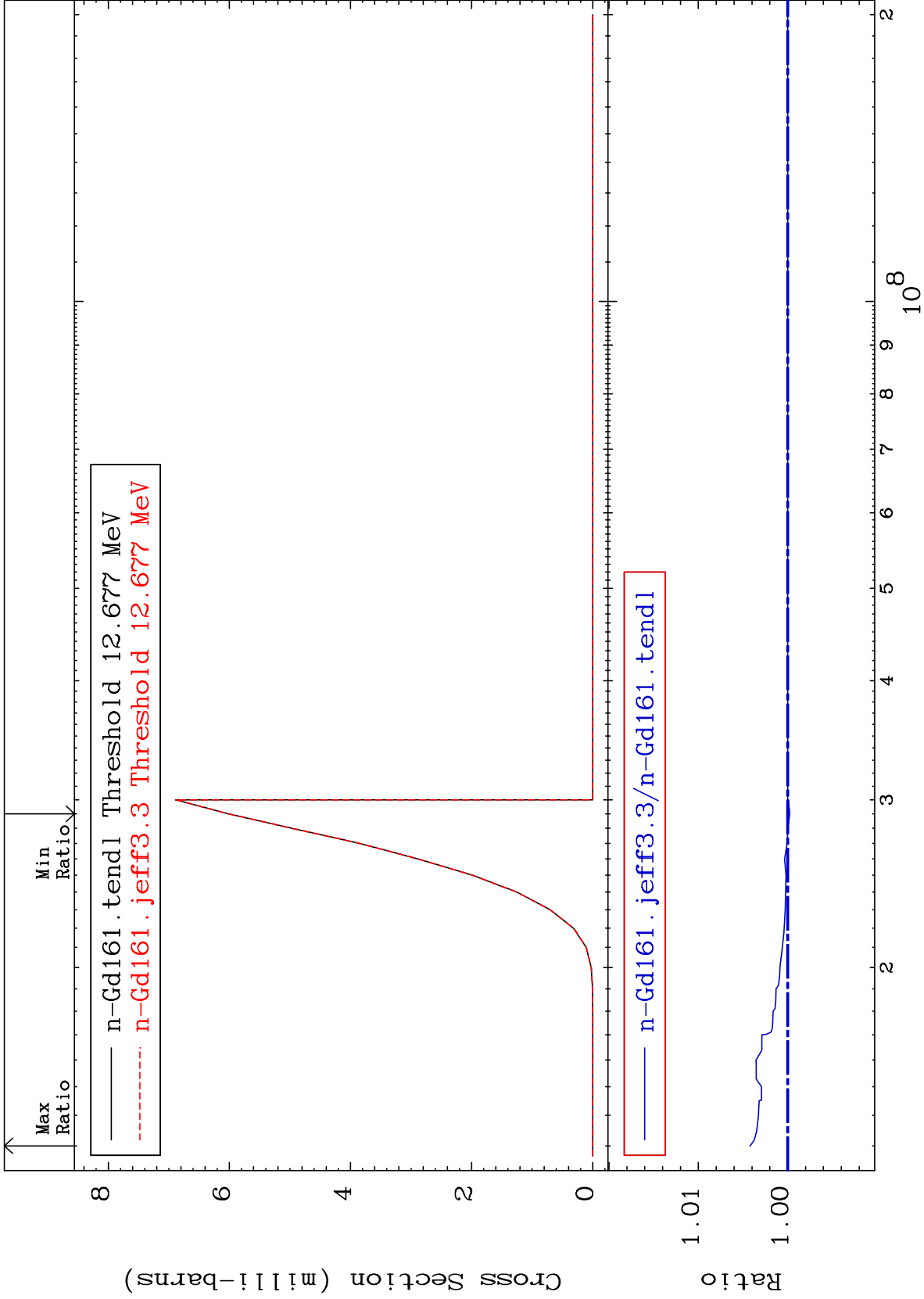
MAT 6452

(n,n') d

64-Gd-161

Cross Section

-0.023 To 0.421 %



10

Incident Energy (eV)

64-Gd-161

MAT 6452

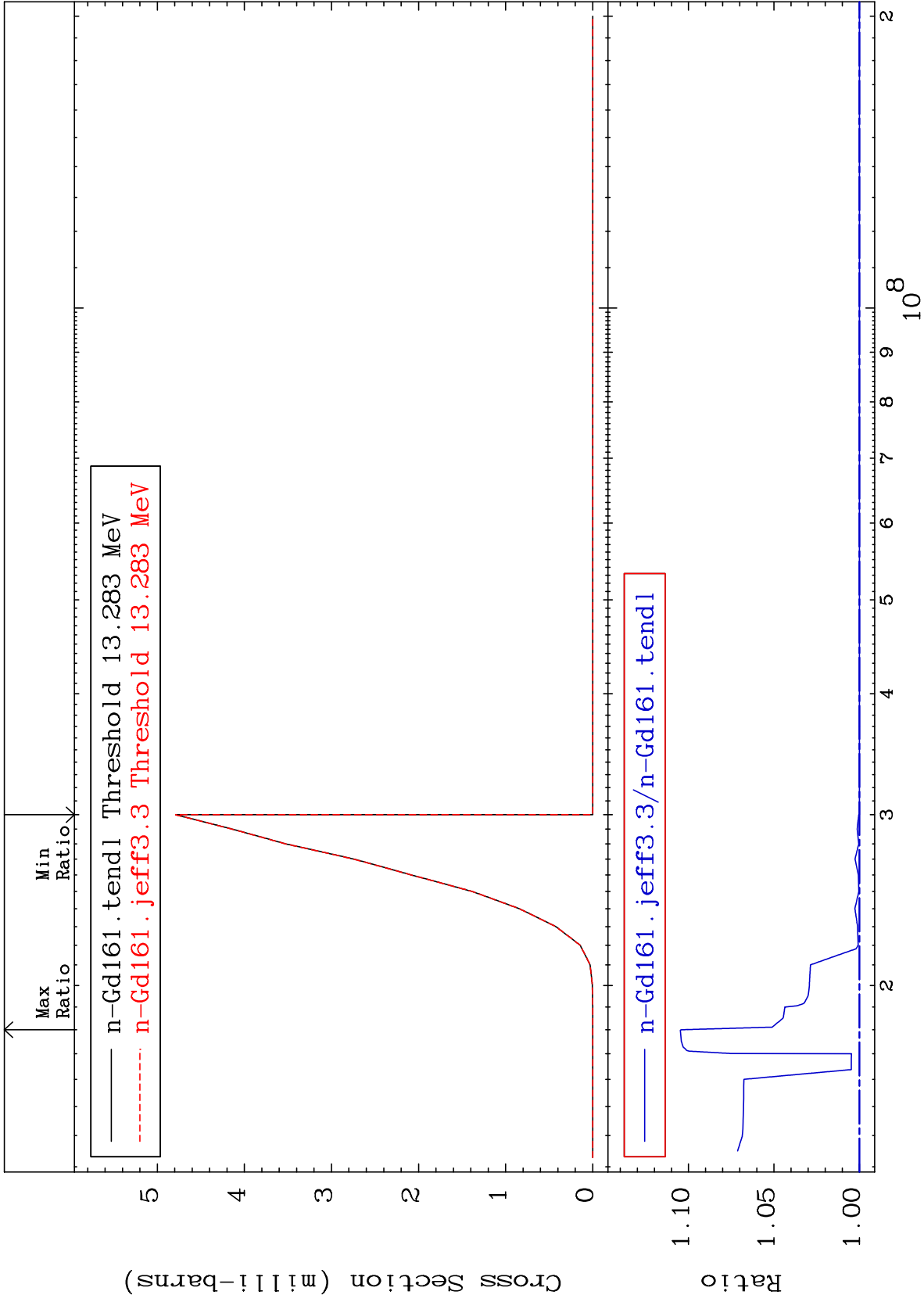
(n, n') t

64-Gd-161

Cross Section

0.000

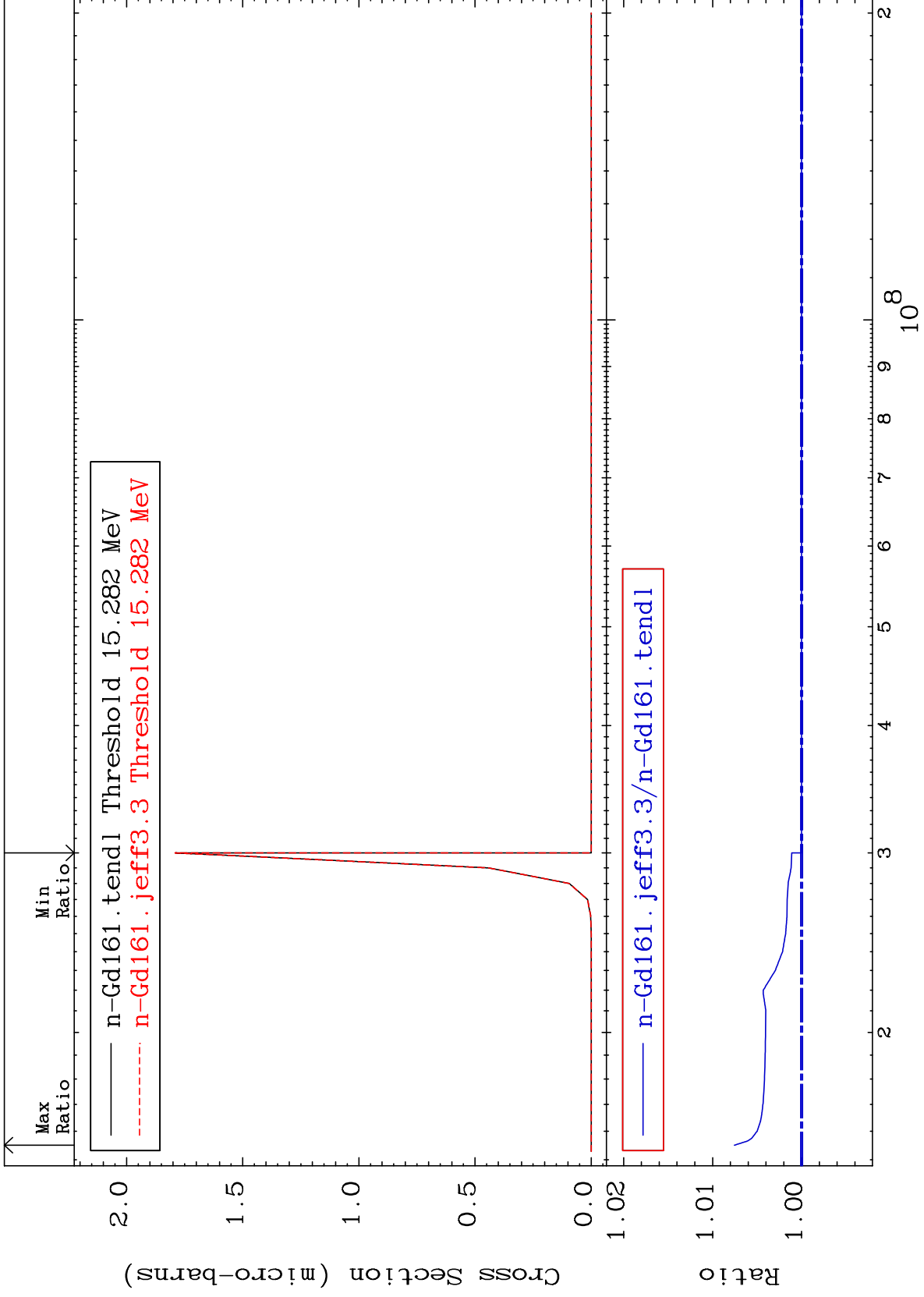
To 10.48 %



MAT 6452

(n, n') He-3
Cross Section

64-Gd-161
To 0.756 %



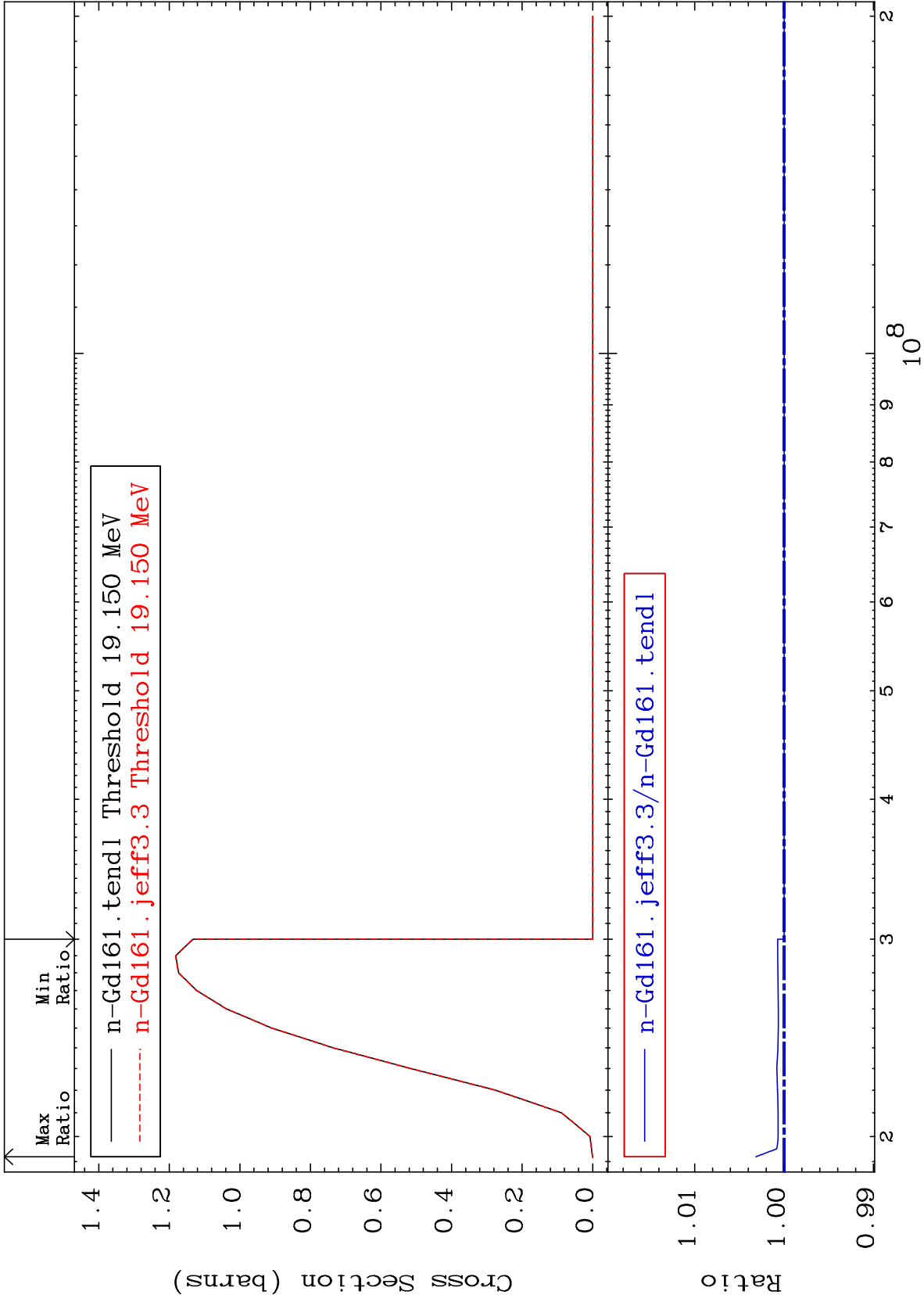
MAT 6452

(n,4n)

64-Gd-161

Cross Section

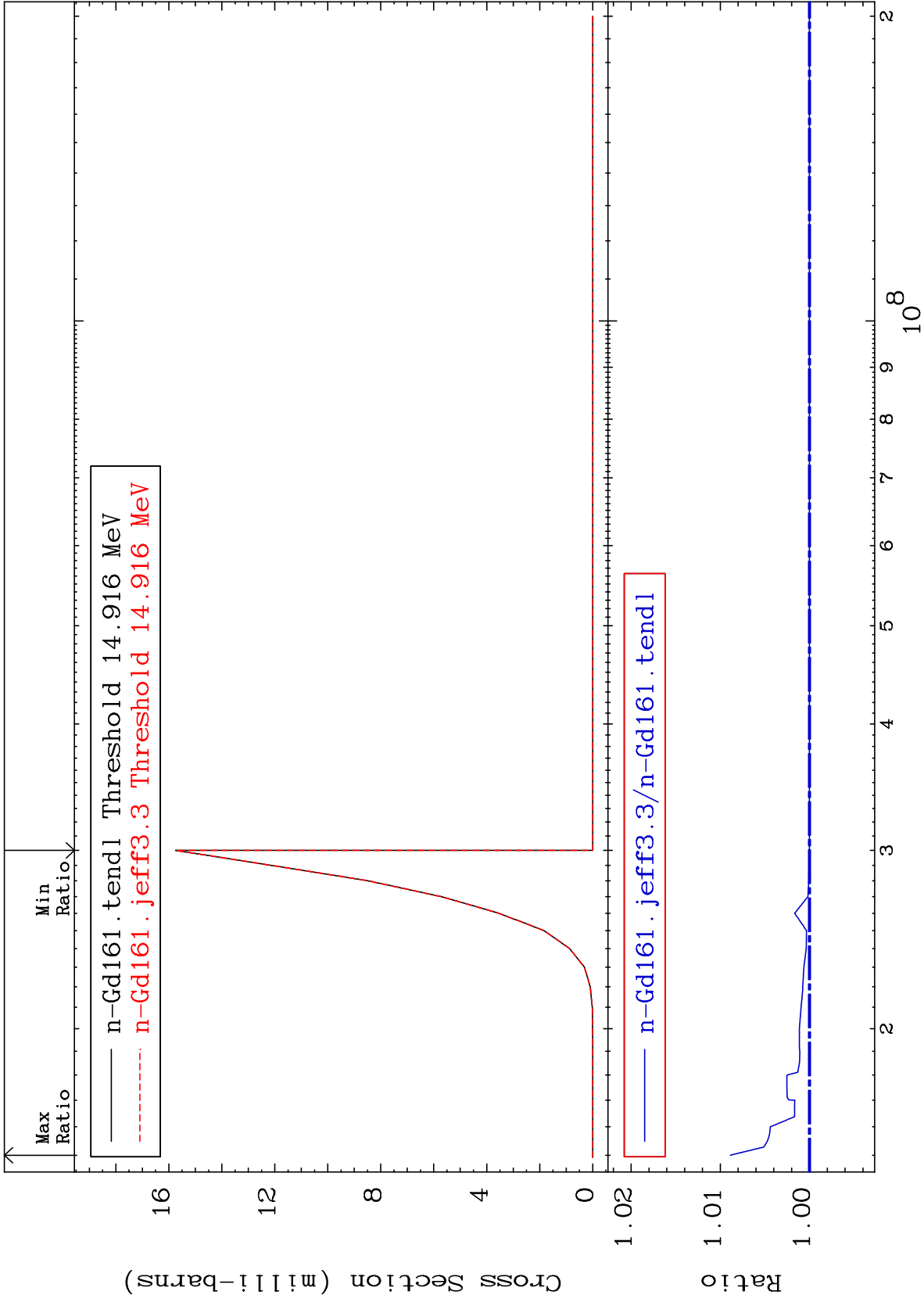
0.000 To 0.317 %



MAT 6452

(n,2n) p
Cross Section

64-Gd-161
To 0.888 %



14

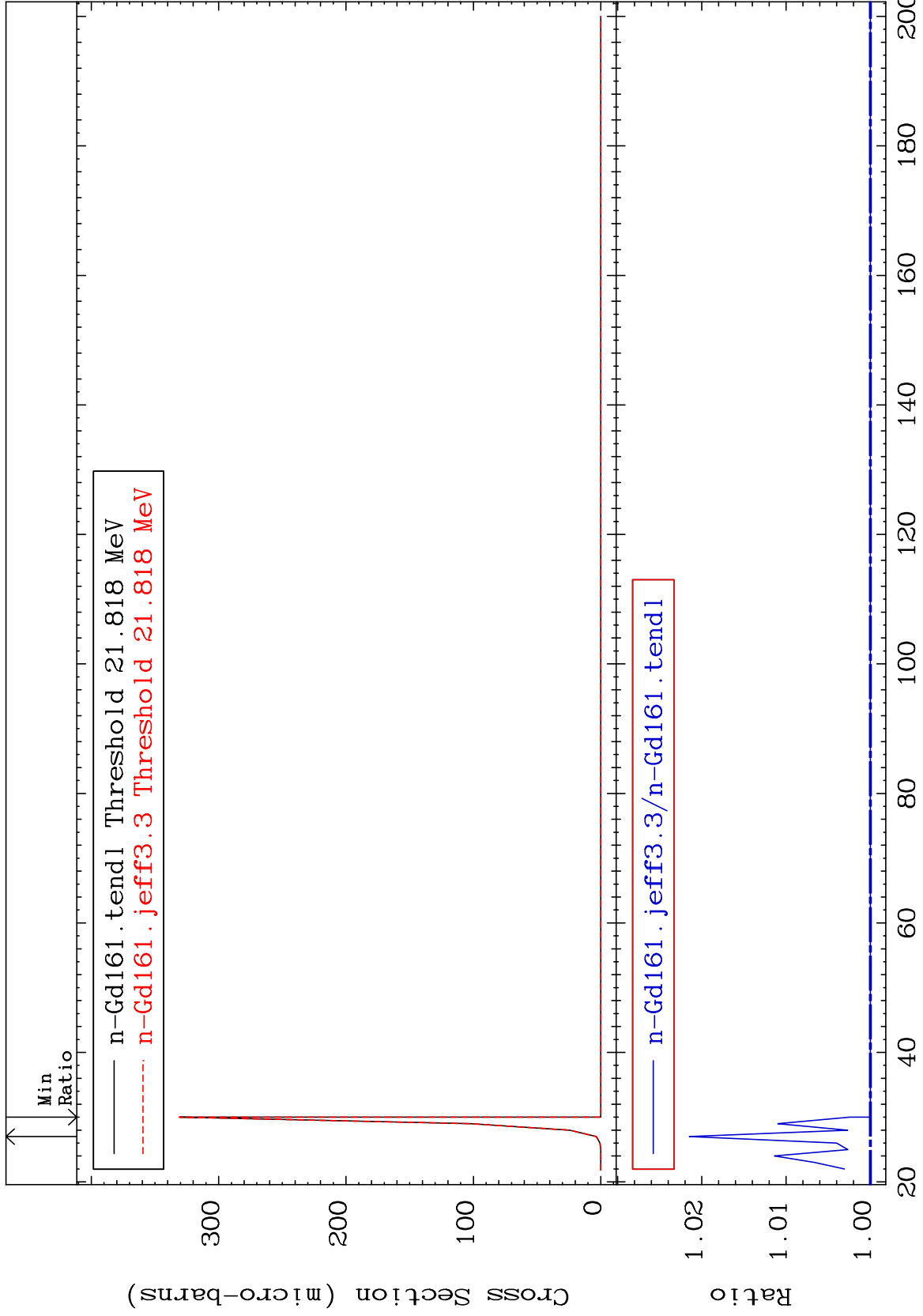
64-Gd-161

64-Gd-161

MAT 6452

(n,3n) p
Cross Section

64-Gd-161
0.000 To 2.148 %



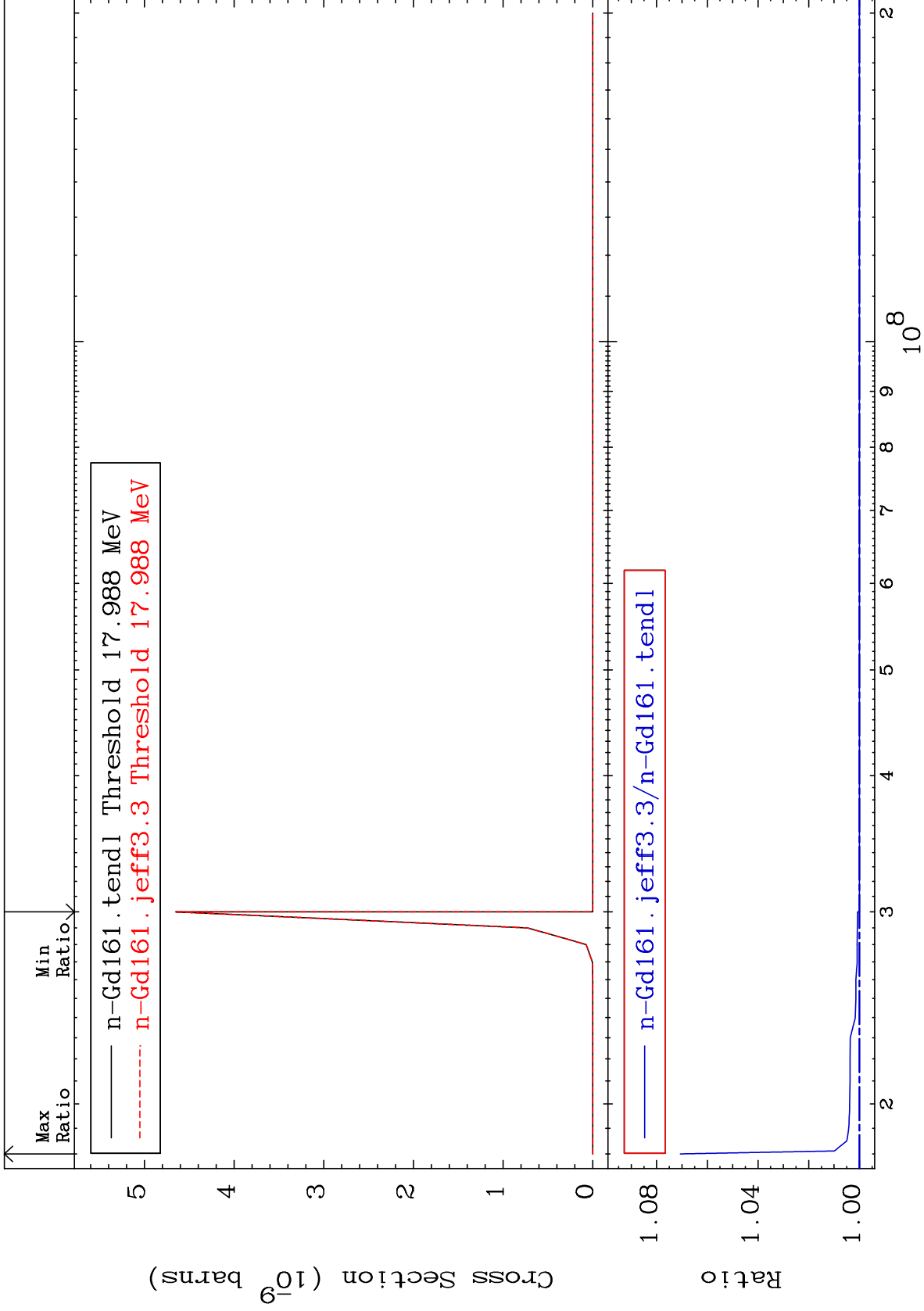
15

64-Gd-161

MAT 6452

(n,2n) p
Cross Section

64-Gd-161
0.000 To 7.064 %



16

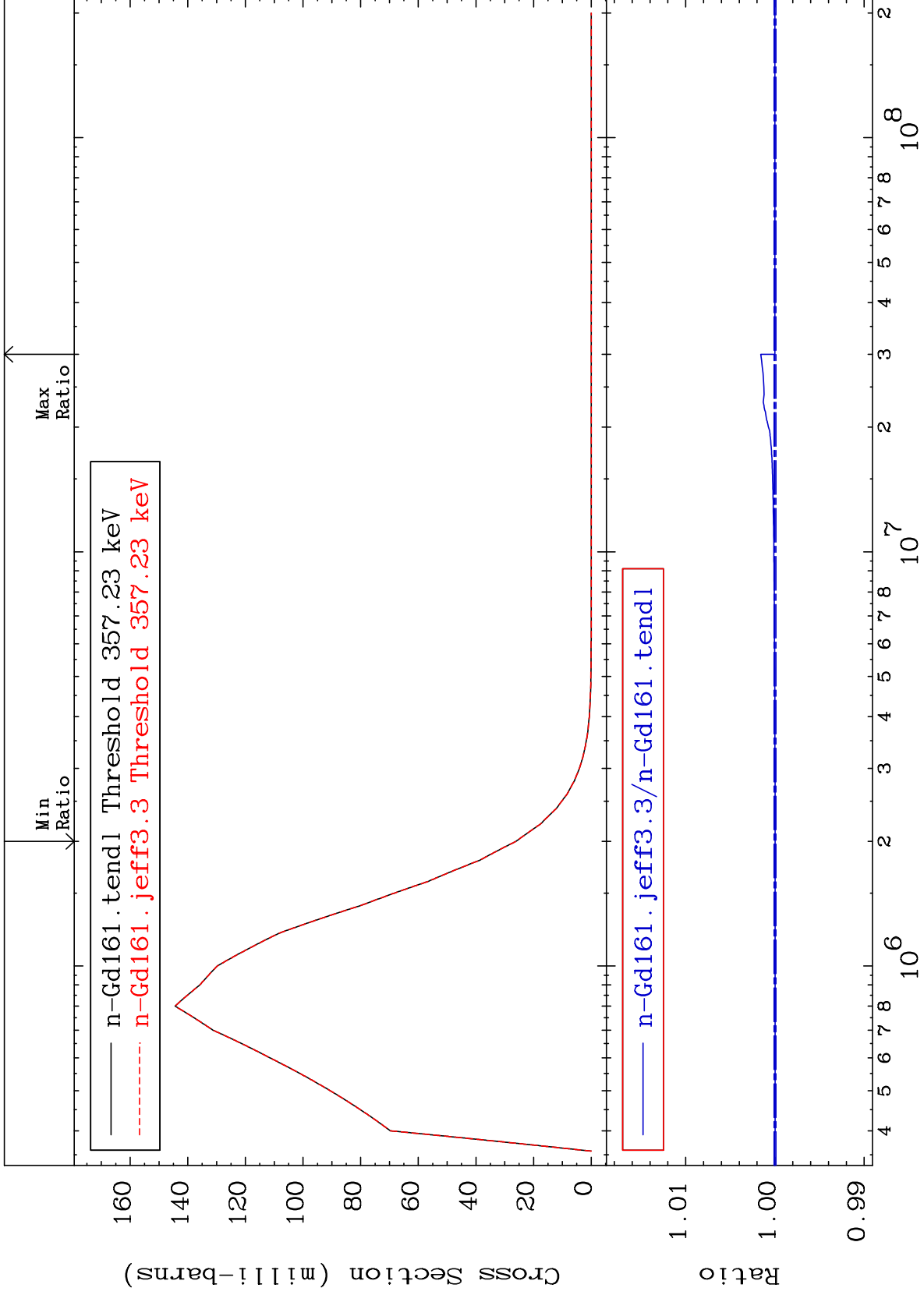
Incident Energy (eV)

64-Gd-161

MAT 6452

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

64-Gd-161
-0.002 To 0.159 %



17

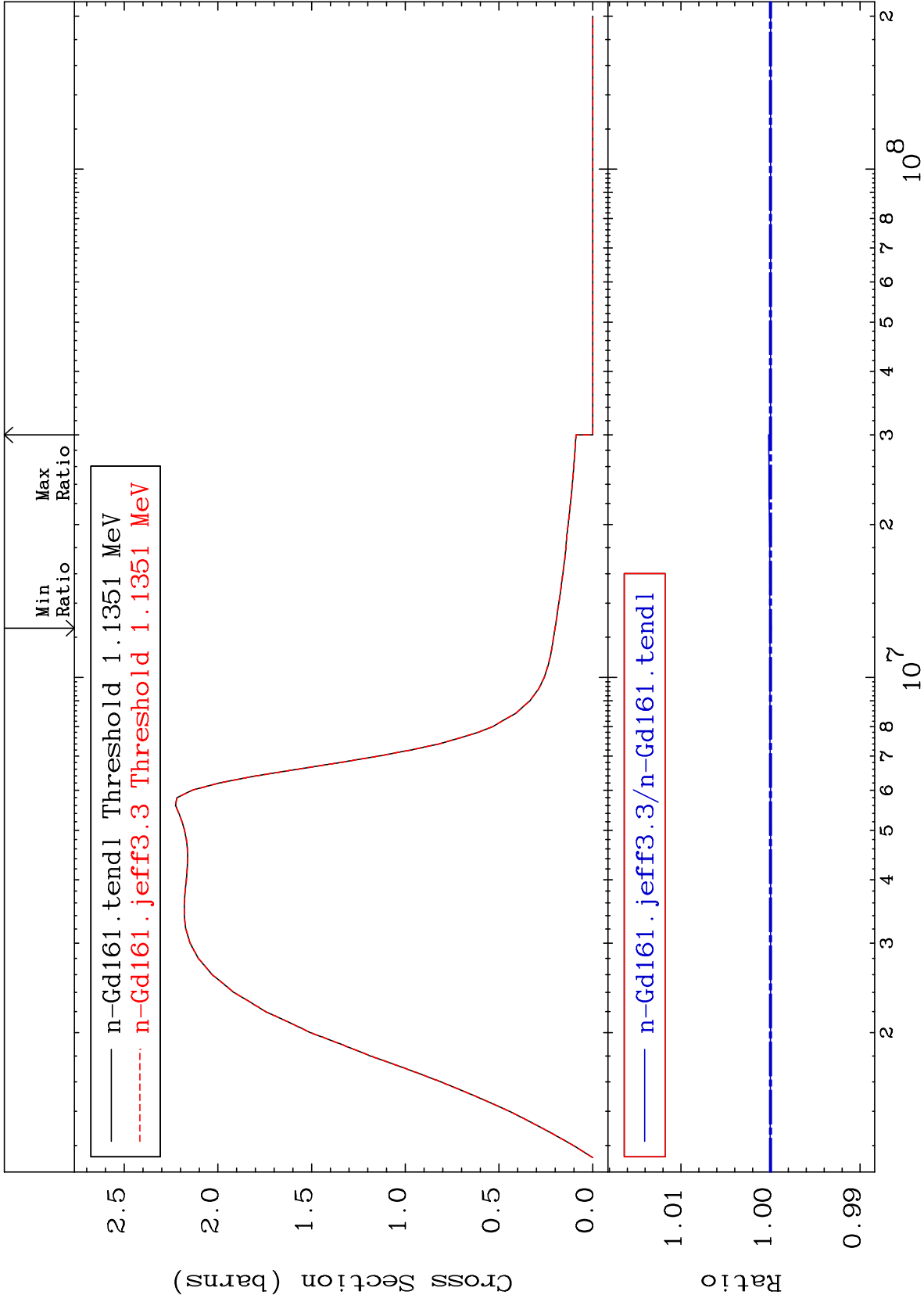
Incident Energy (eV)

64-Gd-161

MAT 6452

(n, n') Continuum
Cross Section

64-Gd-161
-0.008 To 0.021 %

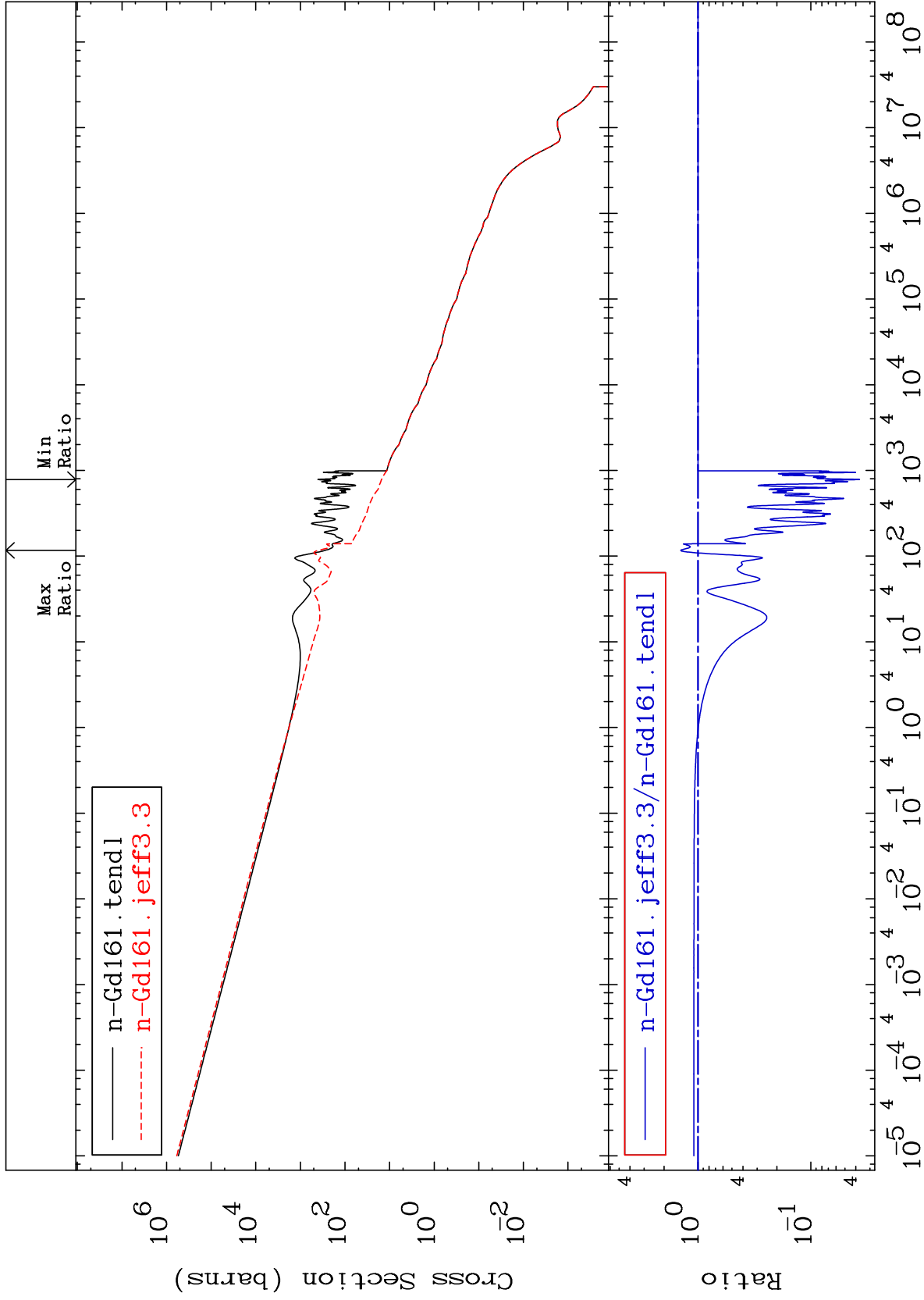


MAT 6452

64-Gd-161

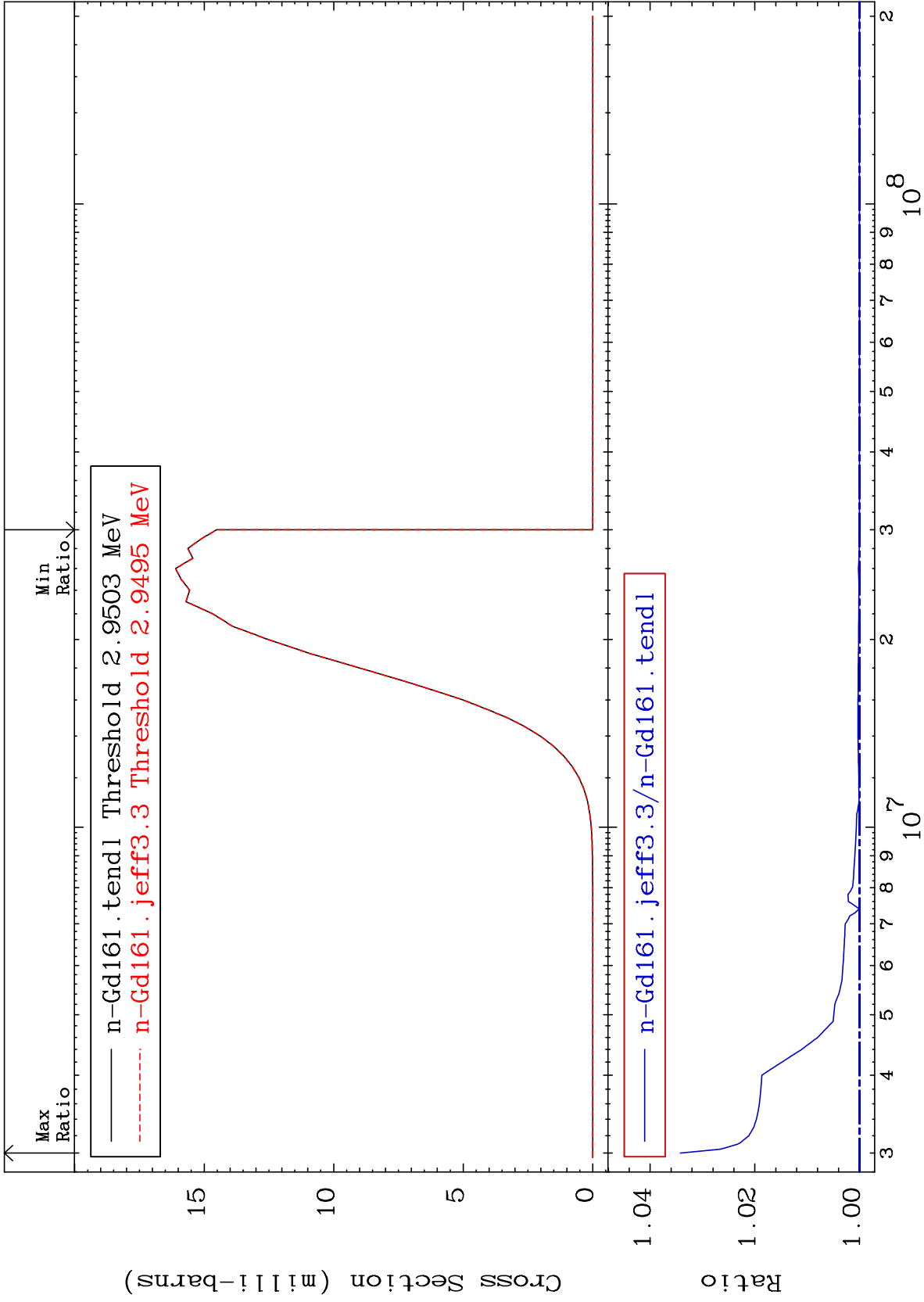
-96.29 To 42.05 %

(n, γ)
Cross Section



MAT 6452

(n, p)
Cross Section
64-Gd-161
0.000 To 3.423 %



20

Incident Energy (eV)

64-Gd-161

MAT 6452

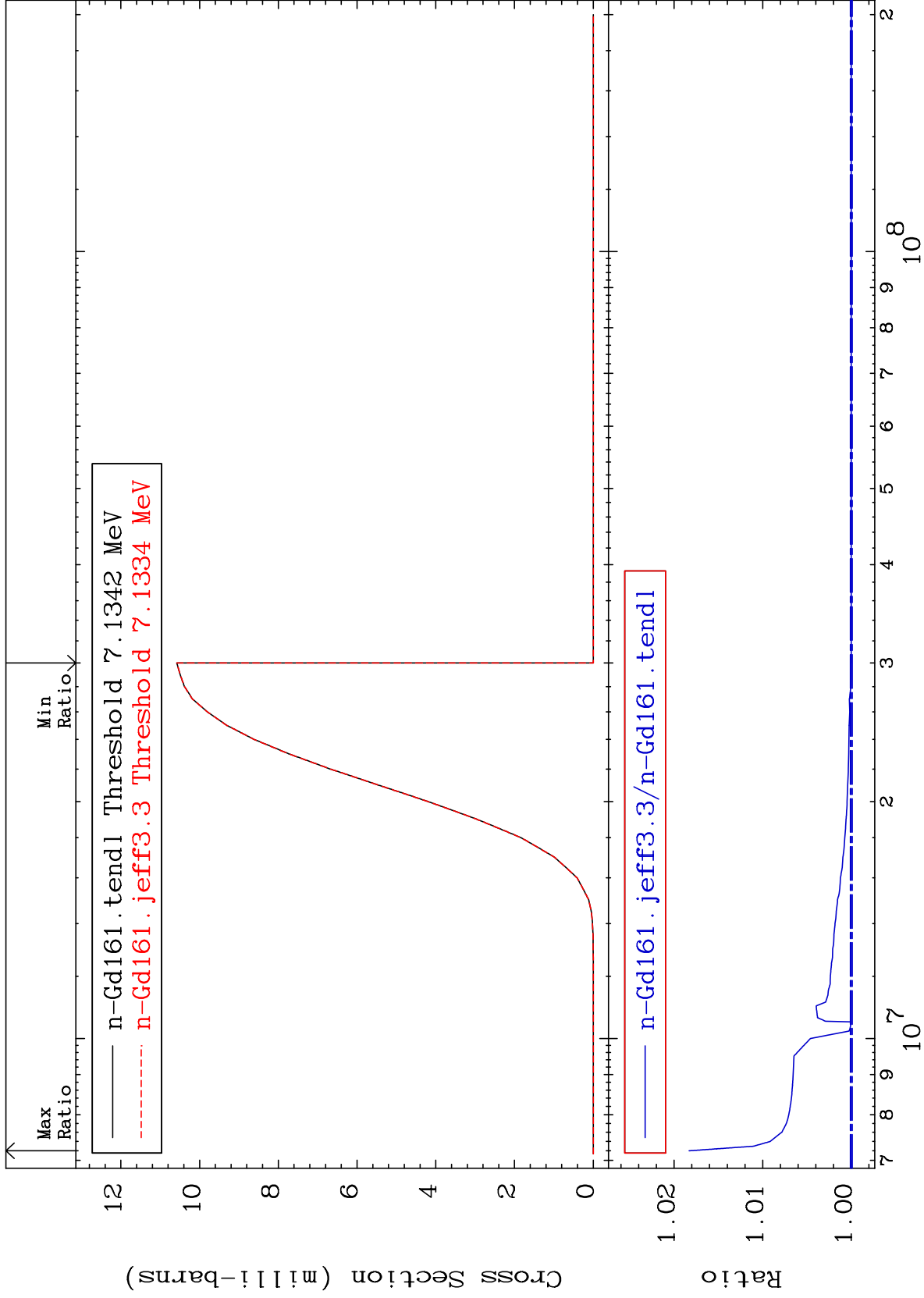
(n, d)

64-Gd-161

Cross Section

0.000

To 1.831 %



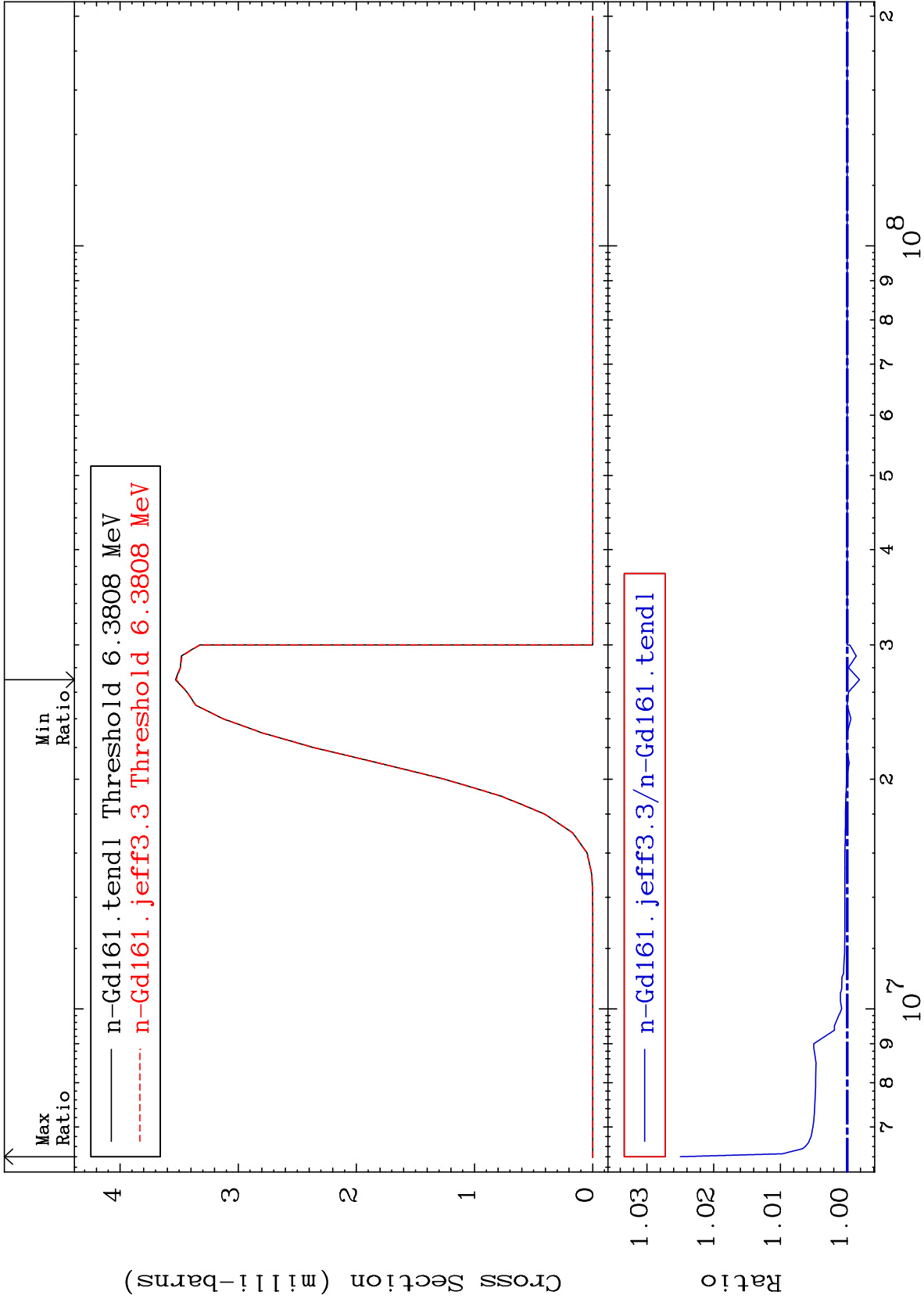
21

Incident Energy (eV)

64-Gd-161

MAT 6452

(n, t)
Cross Section
64-Gd-161
-0.183 To 2.500 %



MAT 6452

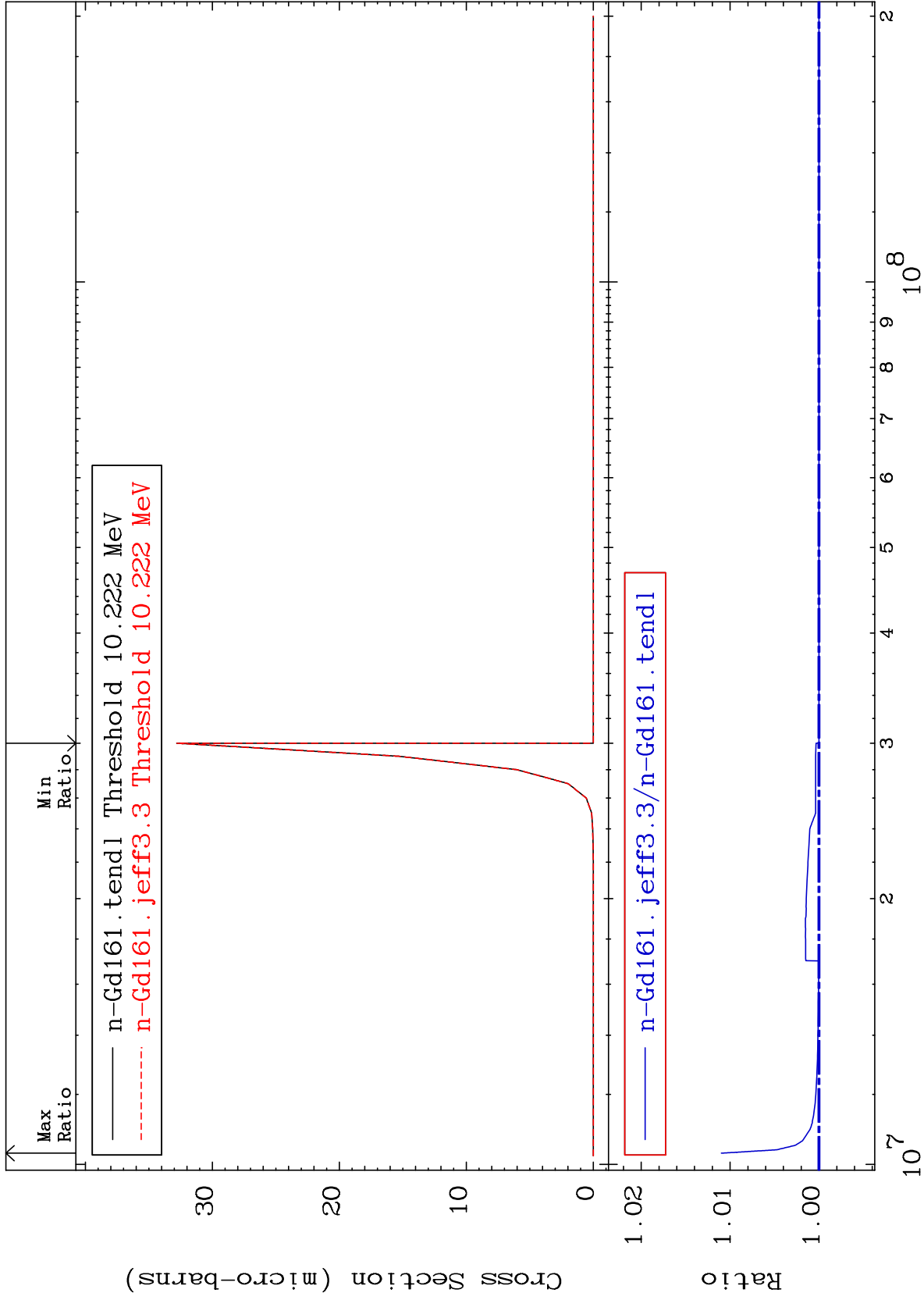
(n, He-3)

64-Gd-161

Cross Section

0.000

To 1.099 %



23

Incident Energy (eV)

64-Gd-161

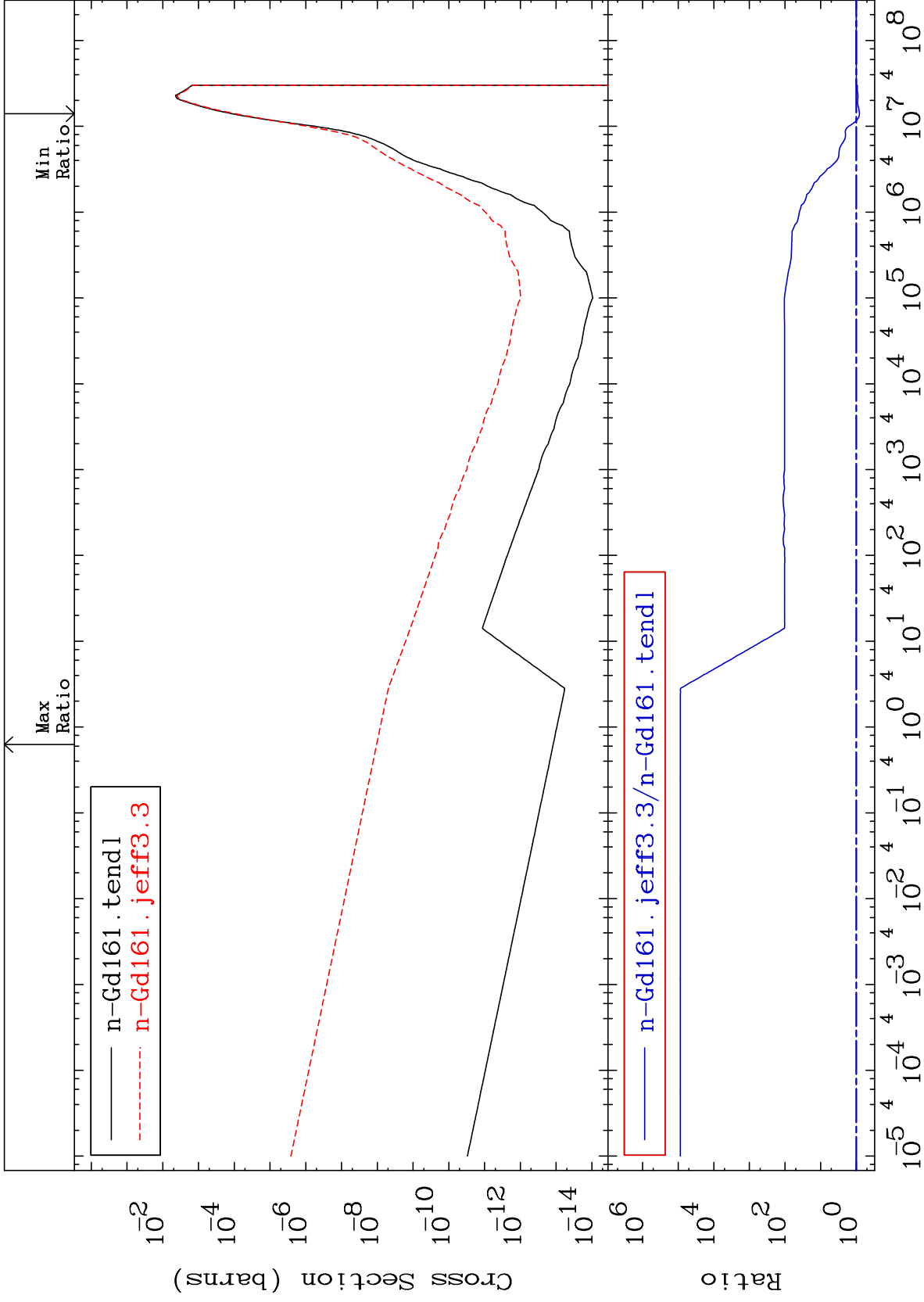
MAT 6452

(n, α)

64-Gd-161

Cross Section

-18.48 To 9999. %



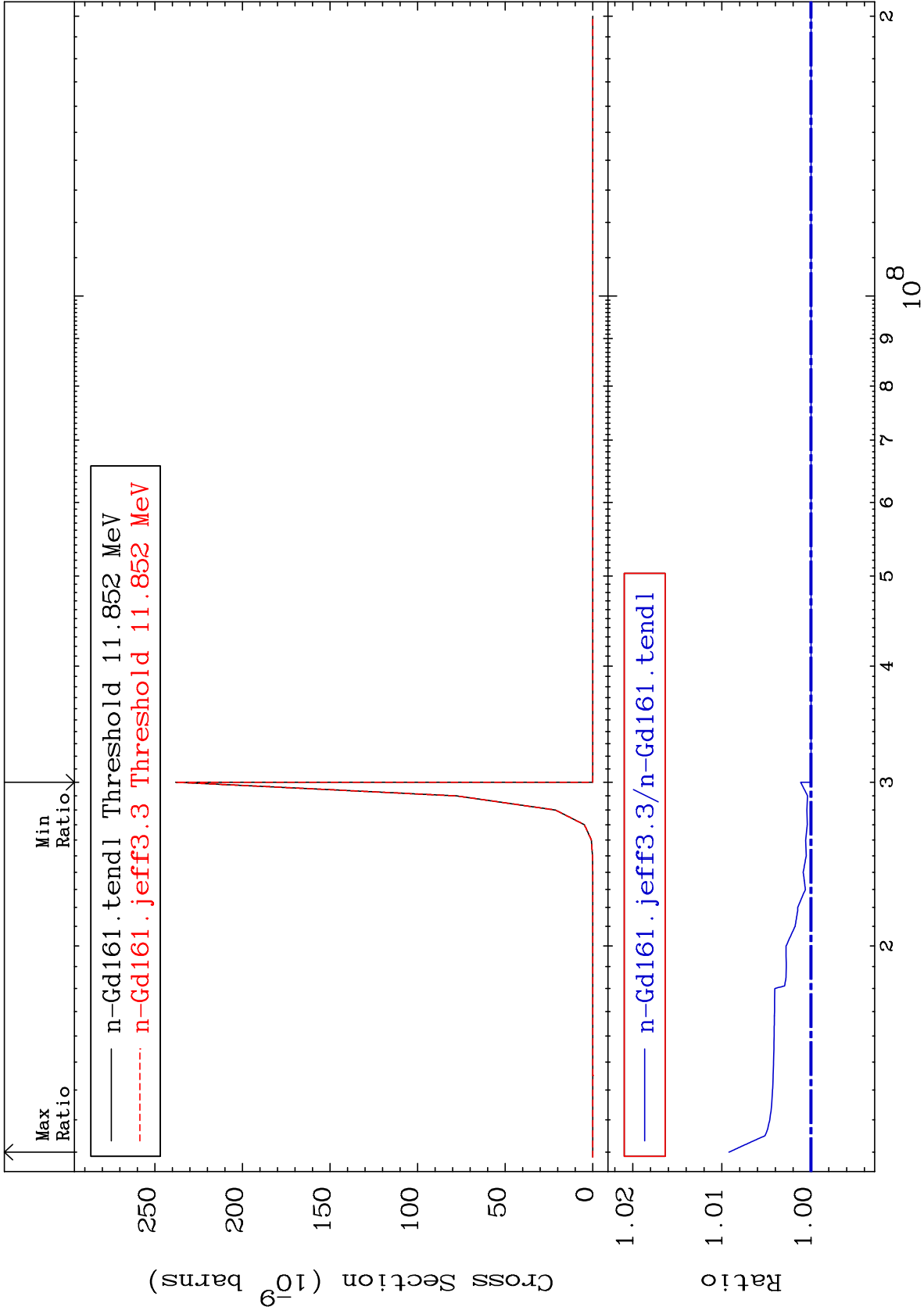
MAT 6452

(n,2p)

64-Gd-161

Cross Section

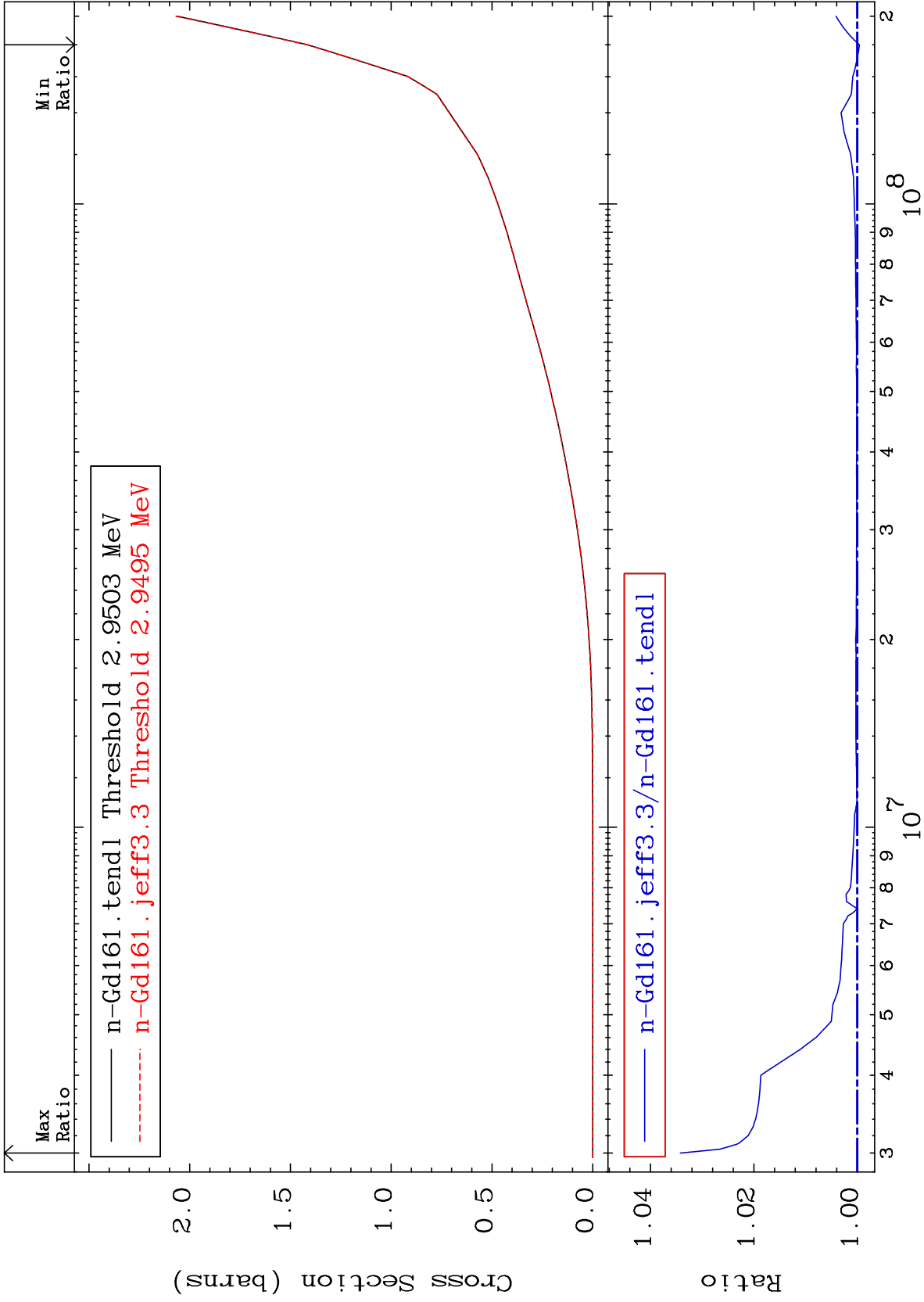
0.000 To 0.922 %



MAT 6452

Hydrogen Production
Cross Section

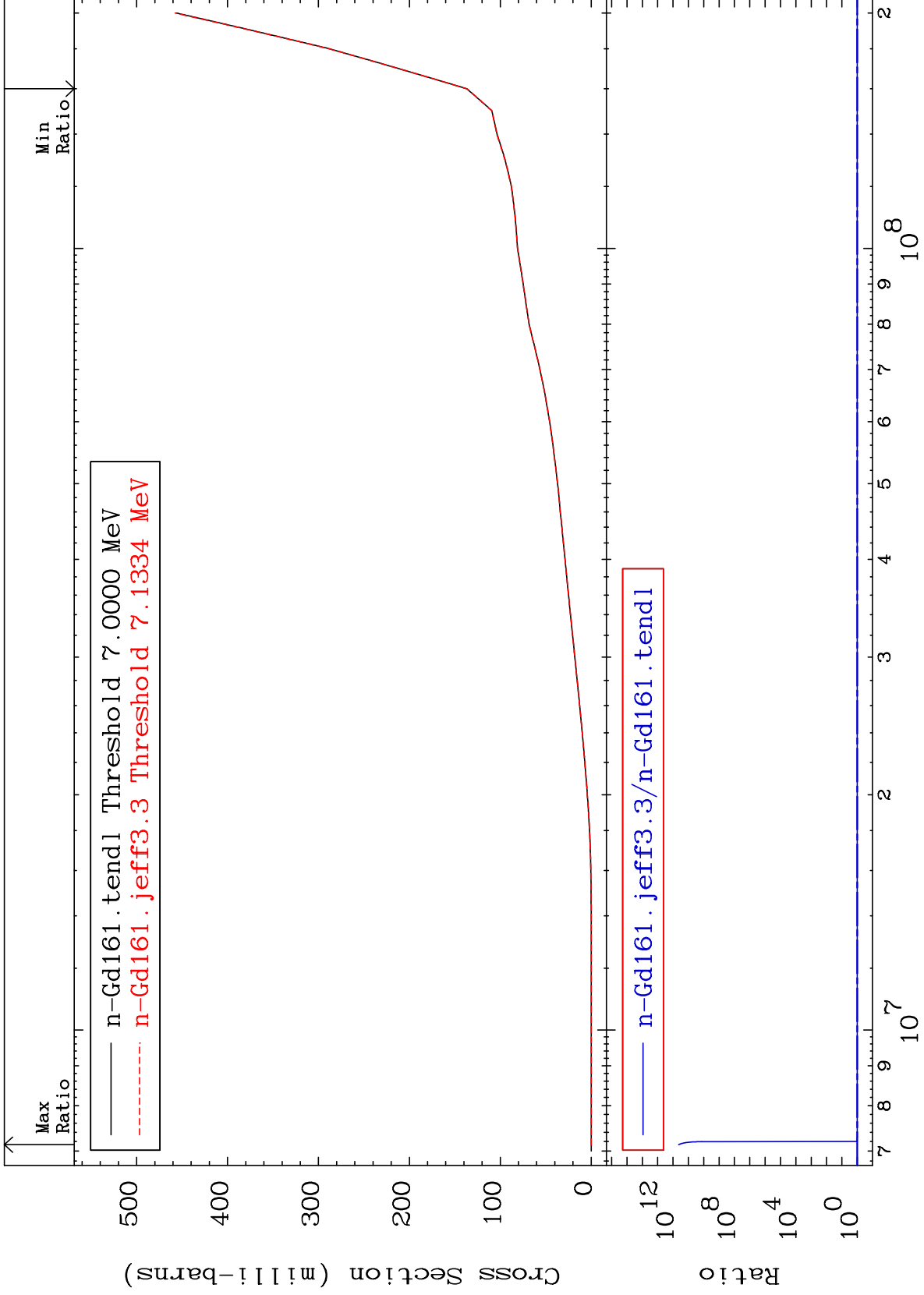
64-Gd-161
-0.041 To 3.423 %



MAT 6452

Deuterium Production
Cross Section

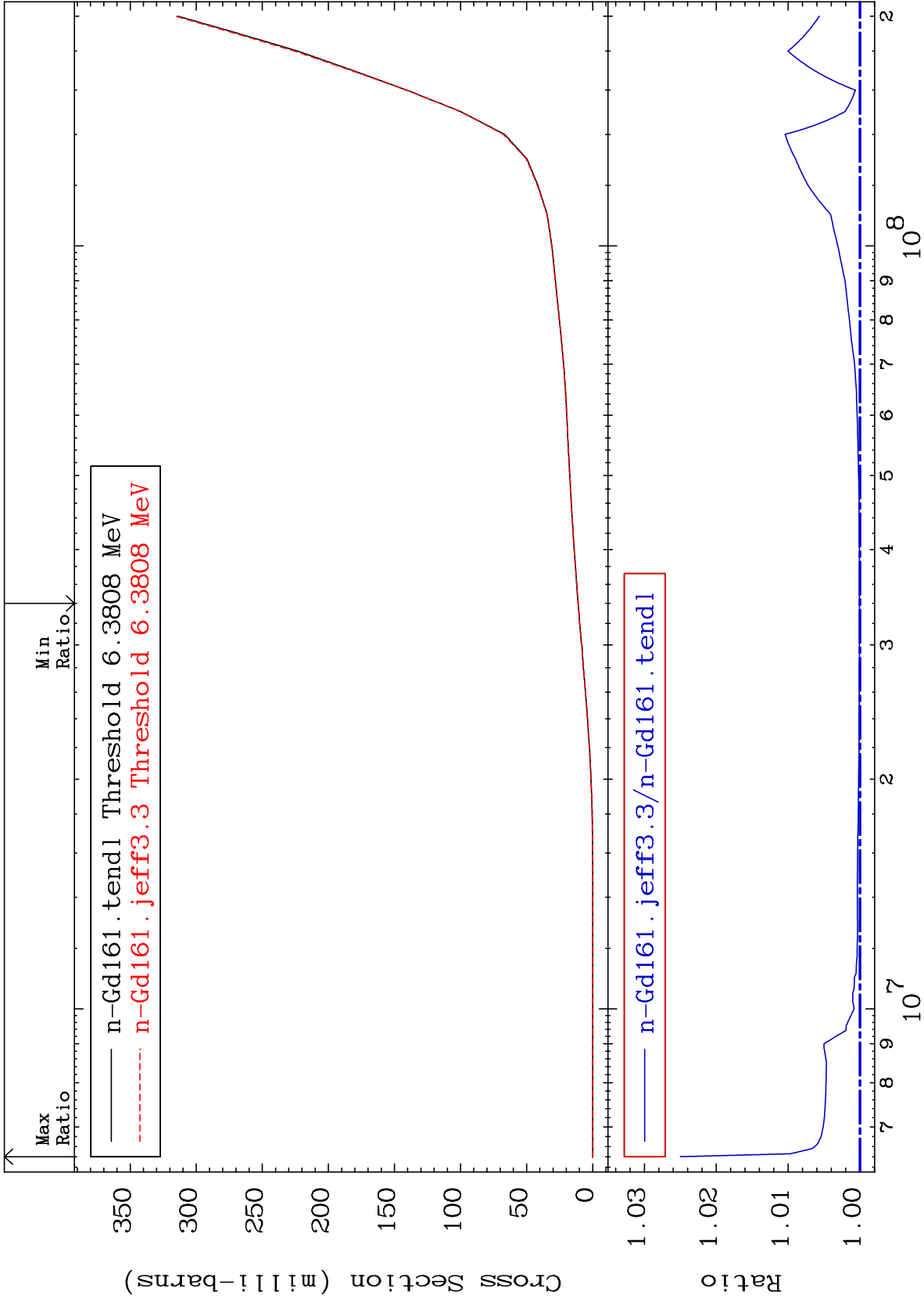
64-Gd-161
-0.115 To 9999. %



MAT 6452

Tritium Production
Cross Section

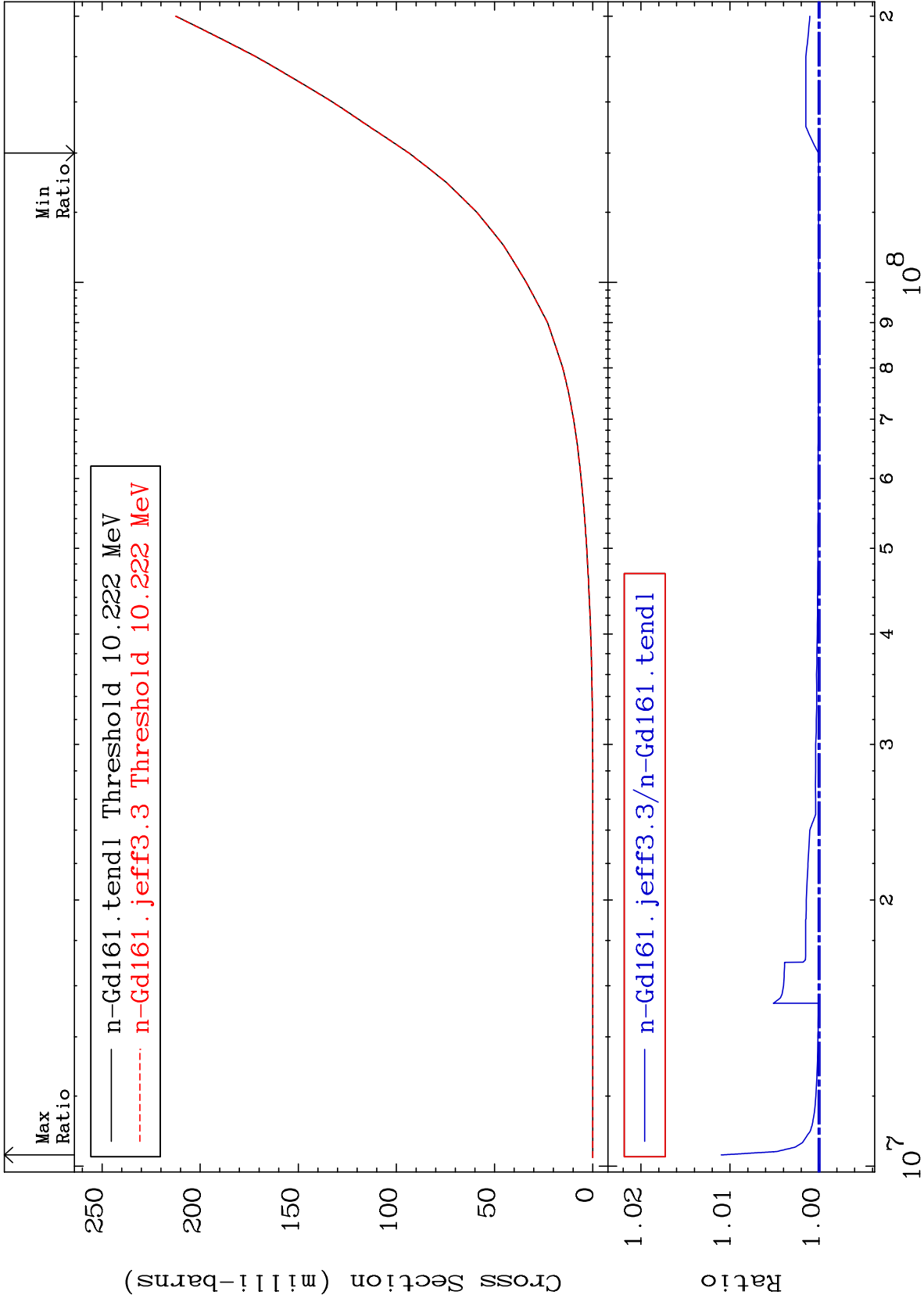
64-Gd-161
To 2.500 %



MAT 6452

He-3 Production
Cross Section

64-Gd-161
To 1.099 %



29

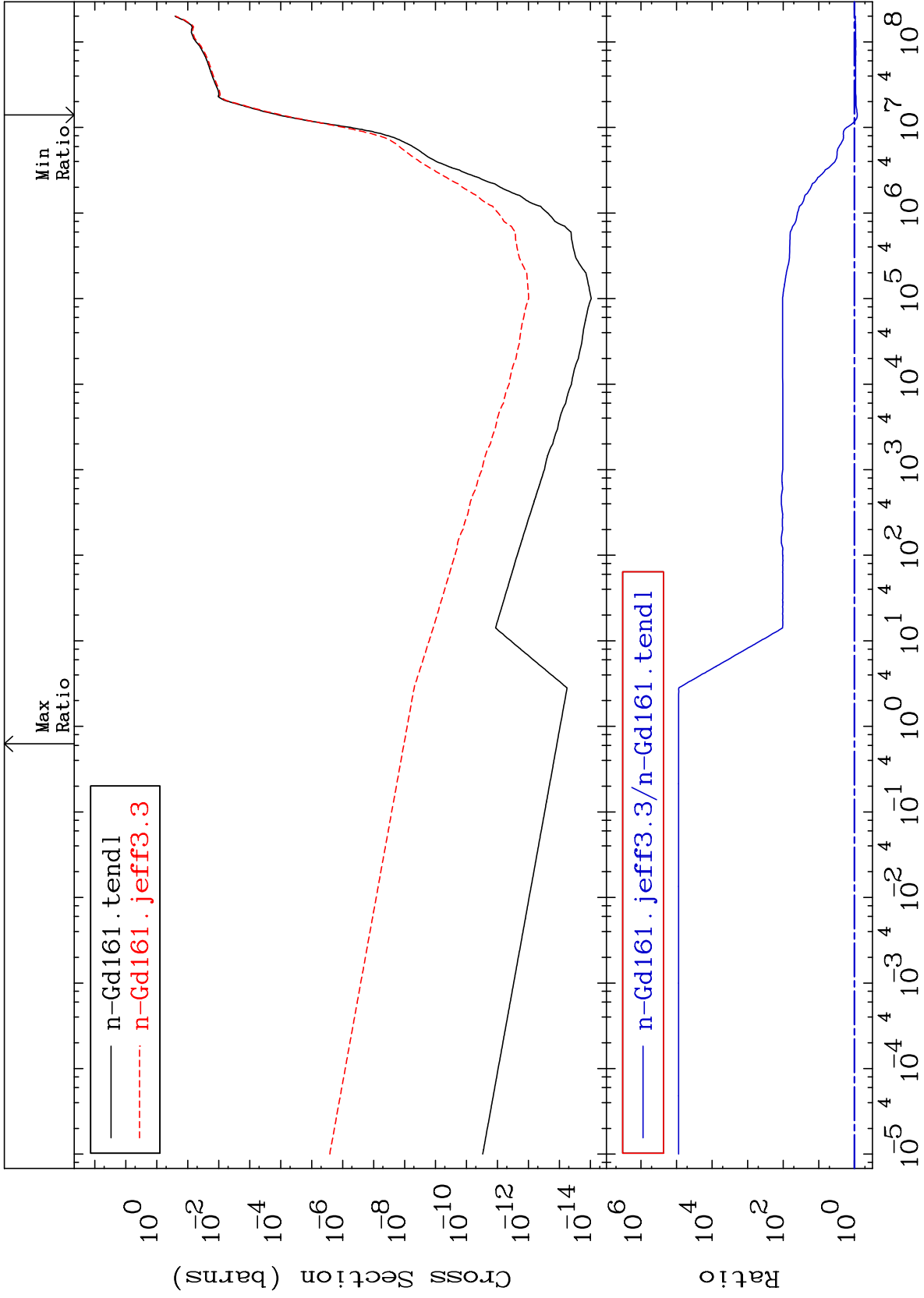
Incident Energy (eV)

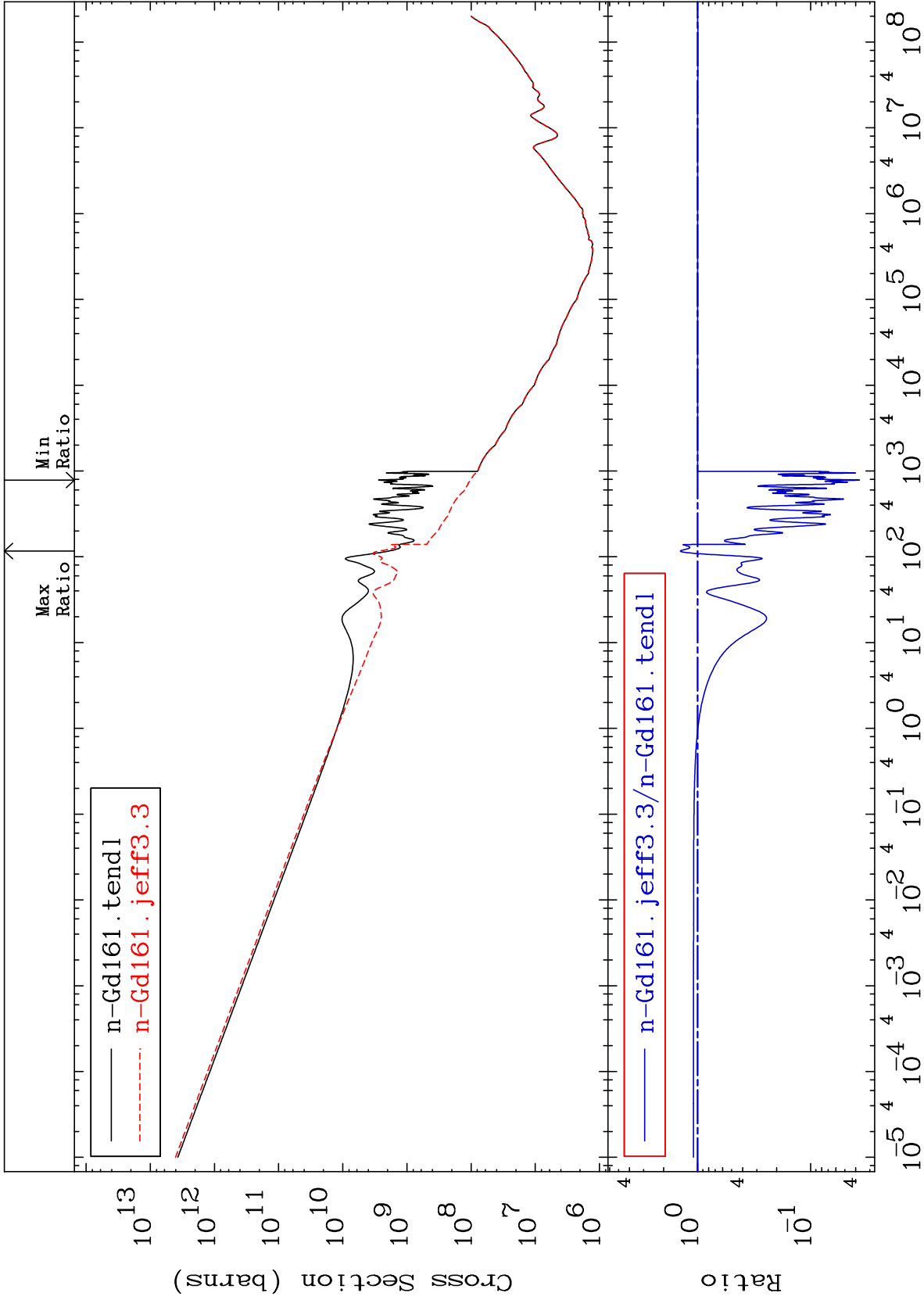
64-Gd-161

MAT 6452

He-4 Production
Cross Section

64-Gd-161
-17.54 To 9999. %

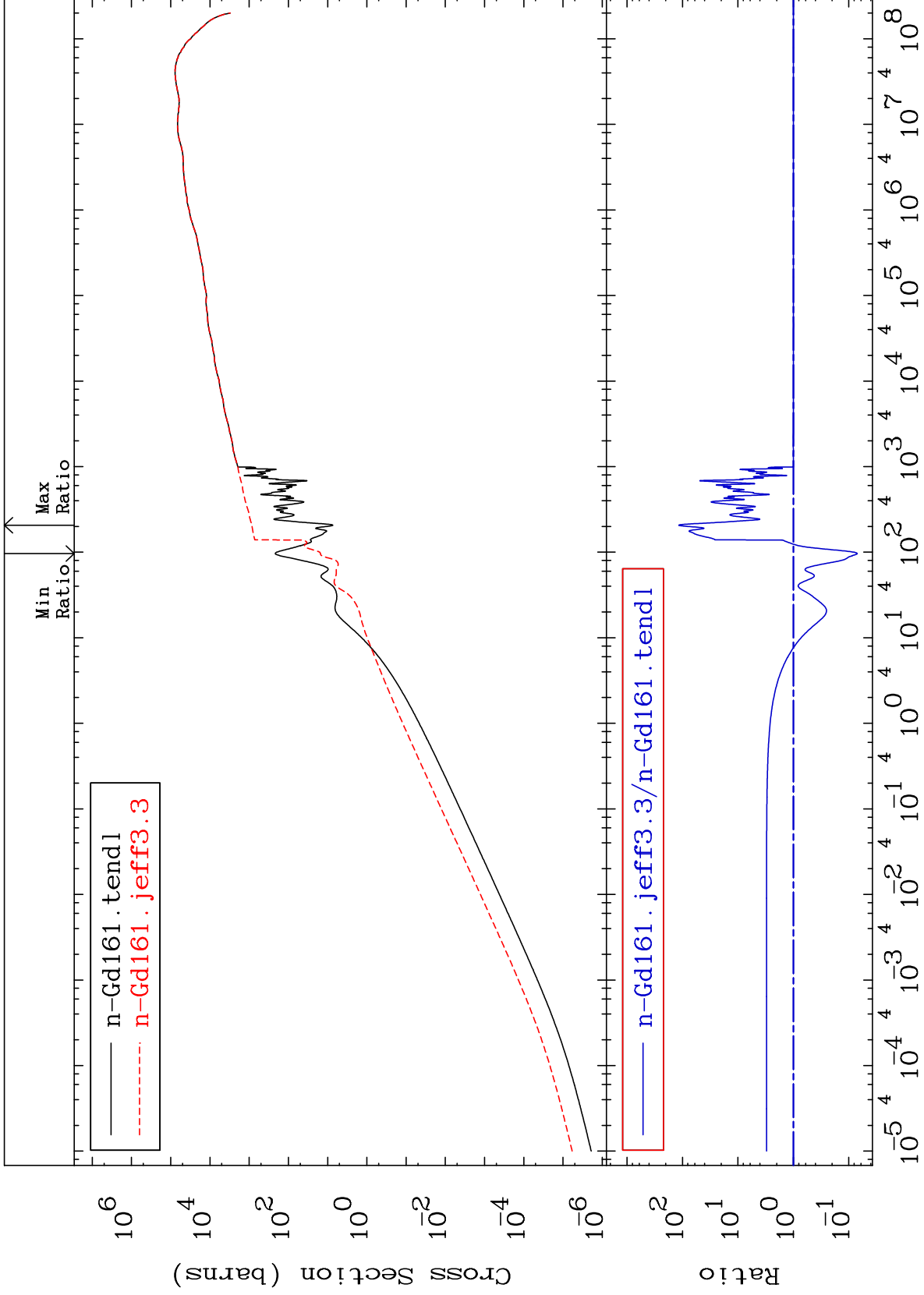


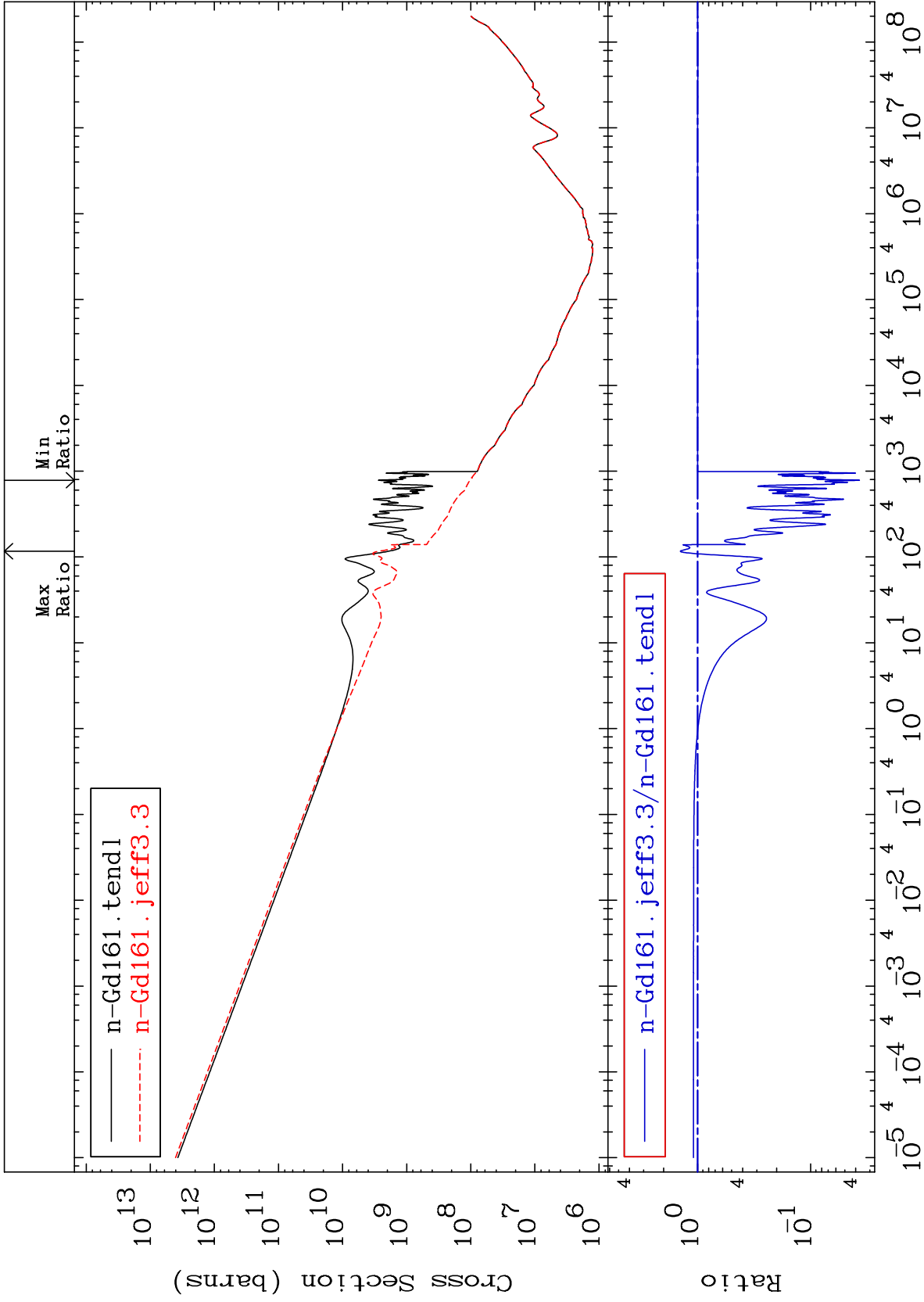


MAT 6452

Kerma elastic
Cross Section

64-Gd-161
-92.96 To 9999. %

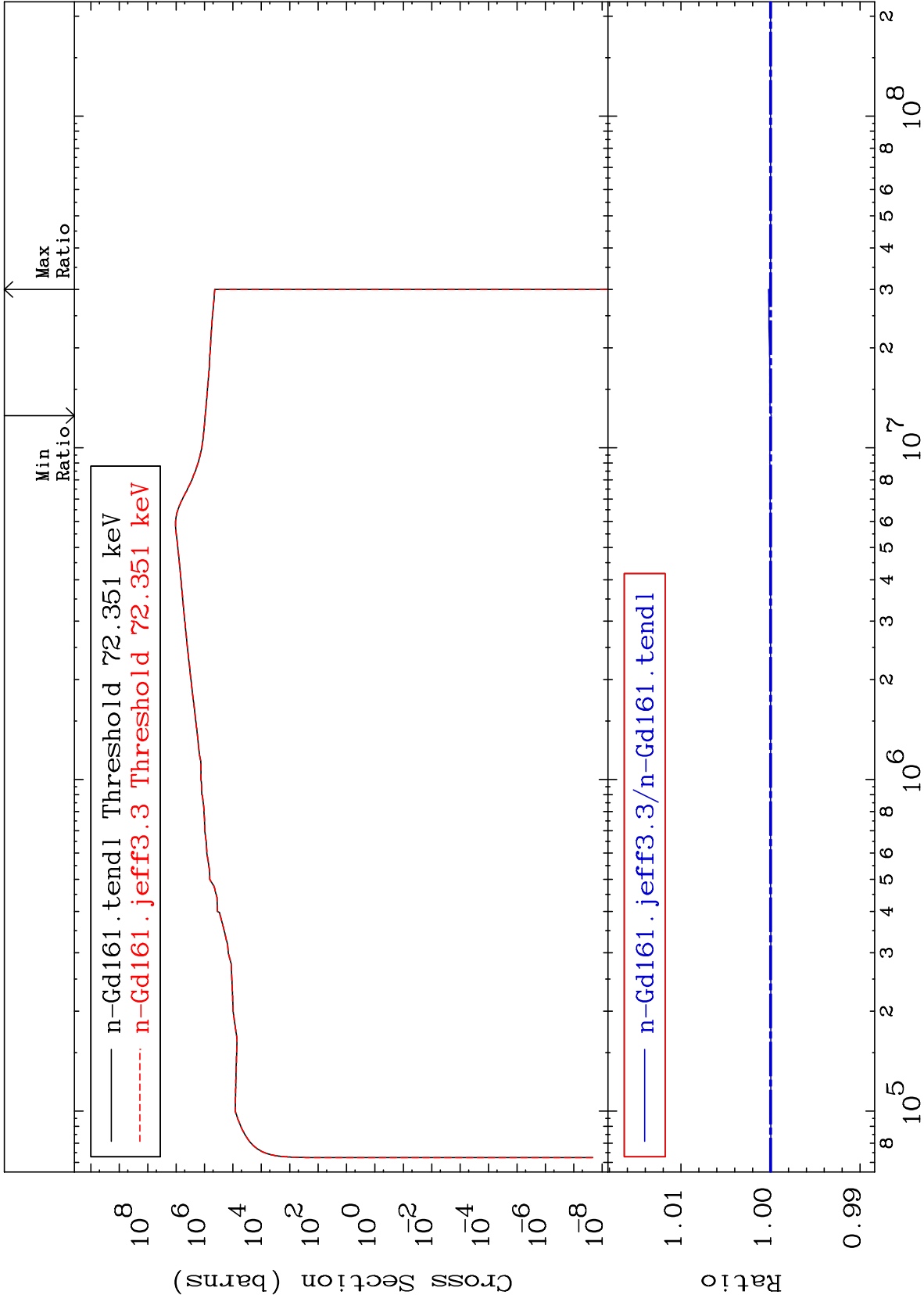


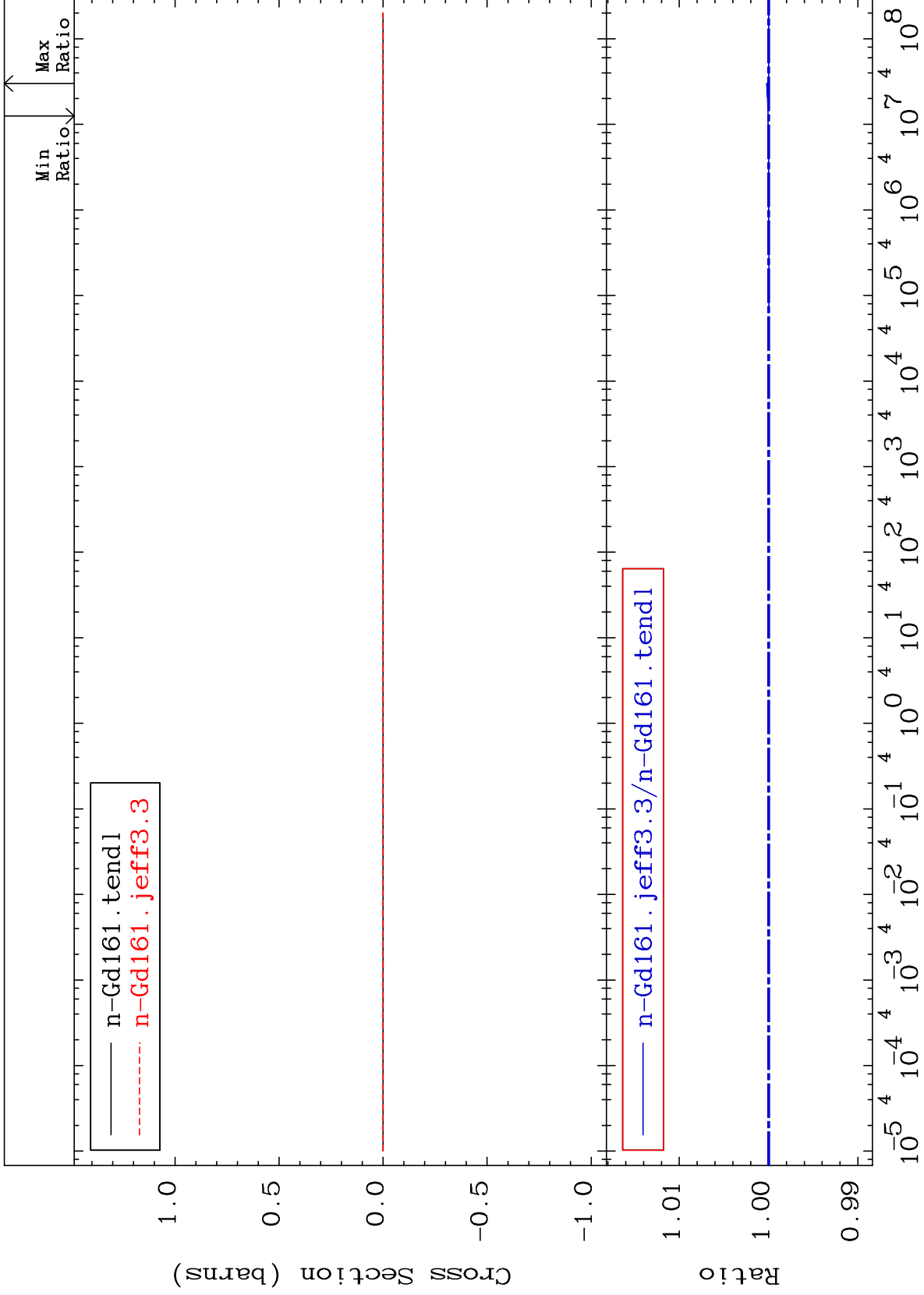


MAT 6452

Kerma inelastic (mt51-91)
Cross Section

64-Gd-161
-0.007 To 0.022 %

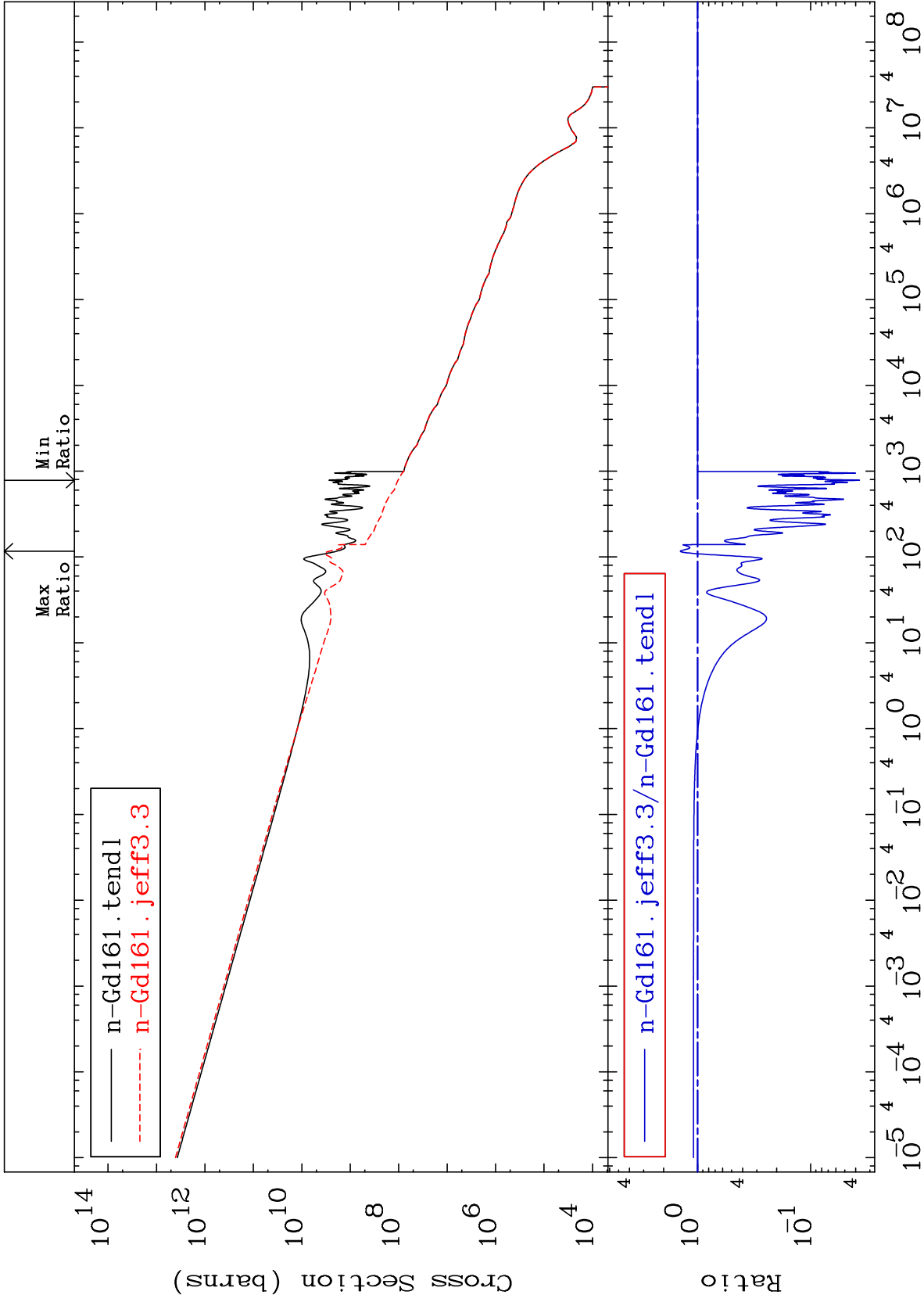




MAT 6452

Kerma capture (mt102)
Cross Section

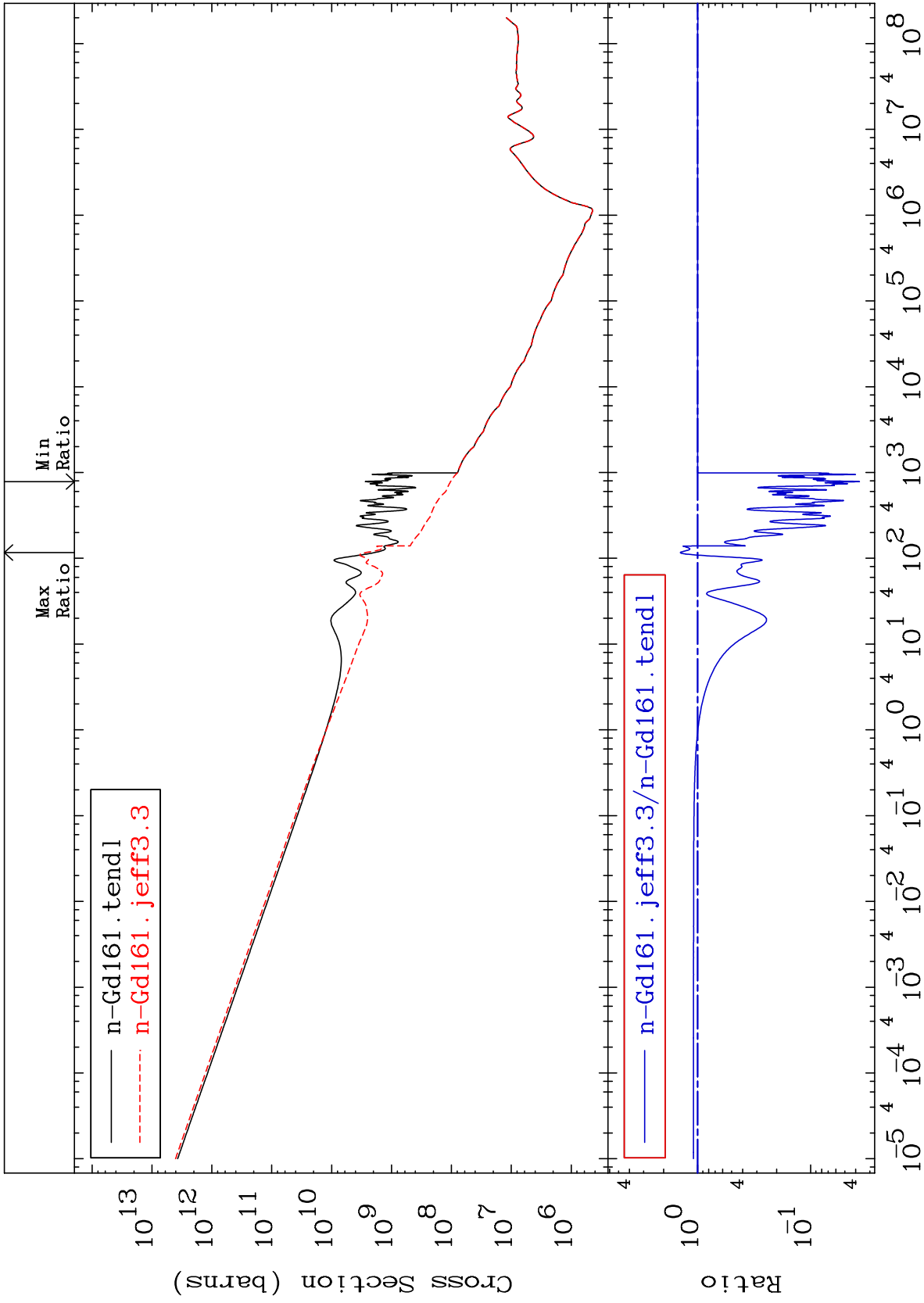
64-Gd-161
-96.29 To 42.05 %

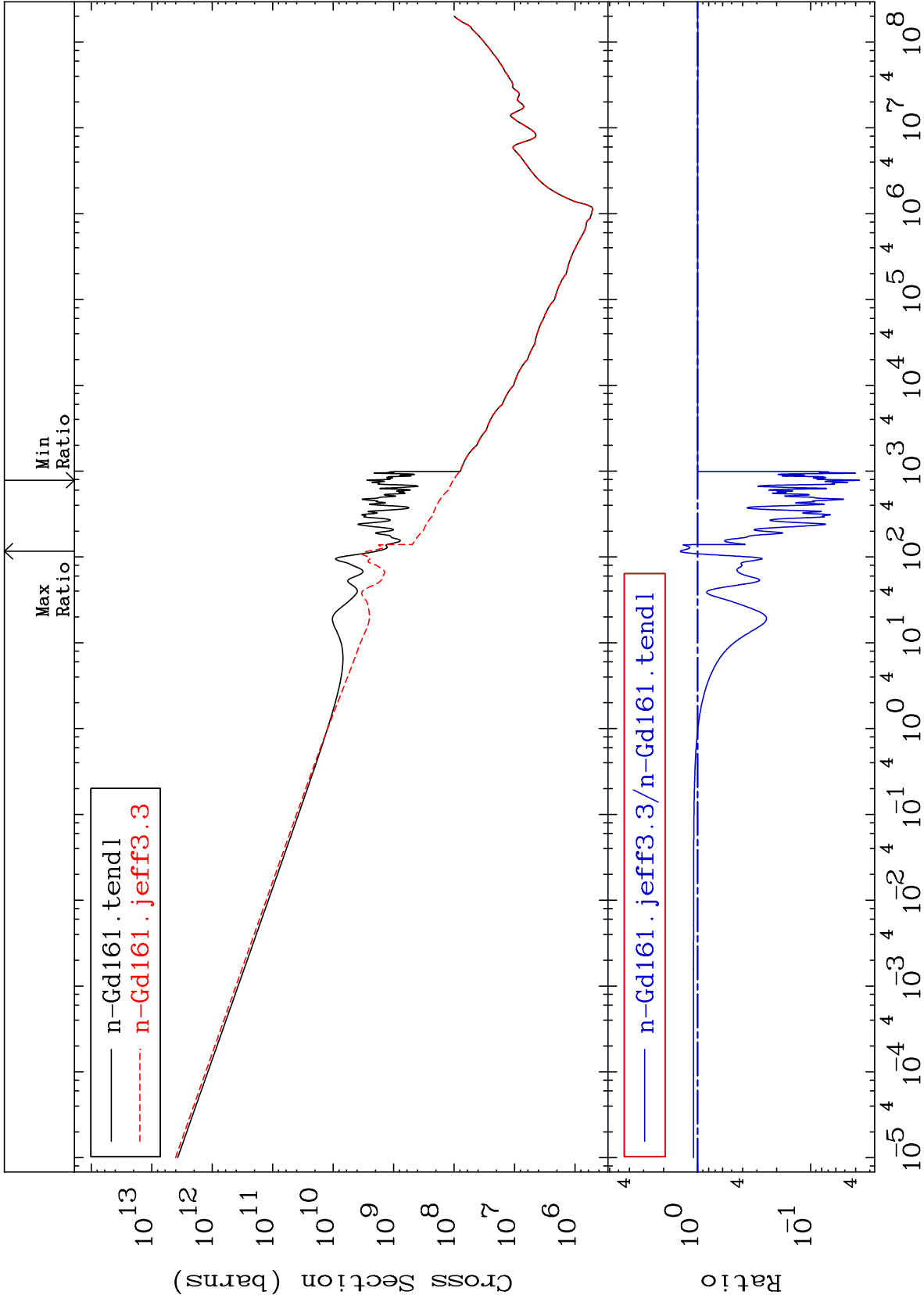


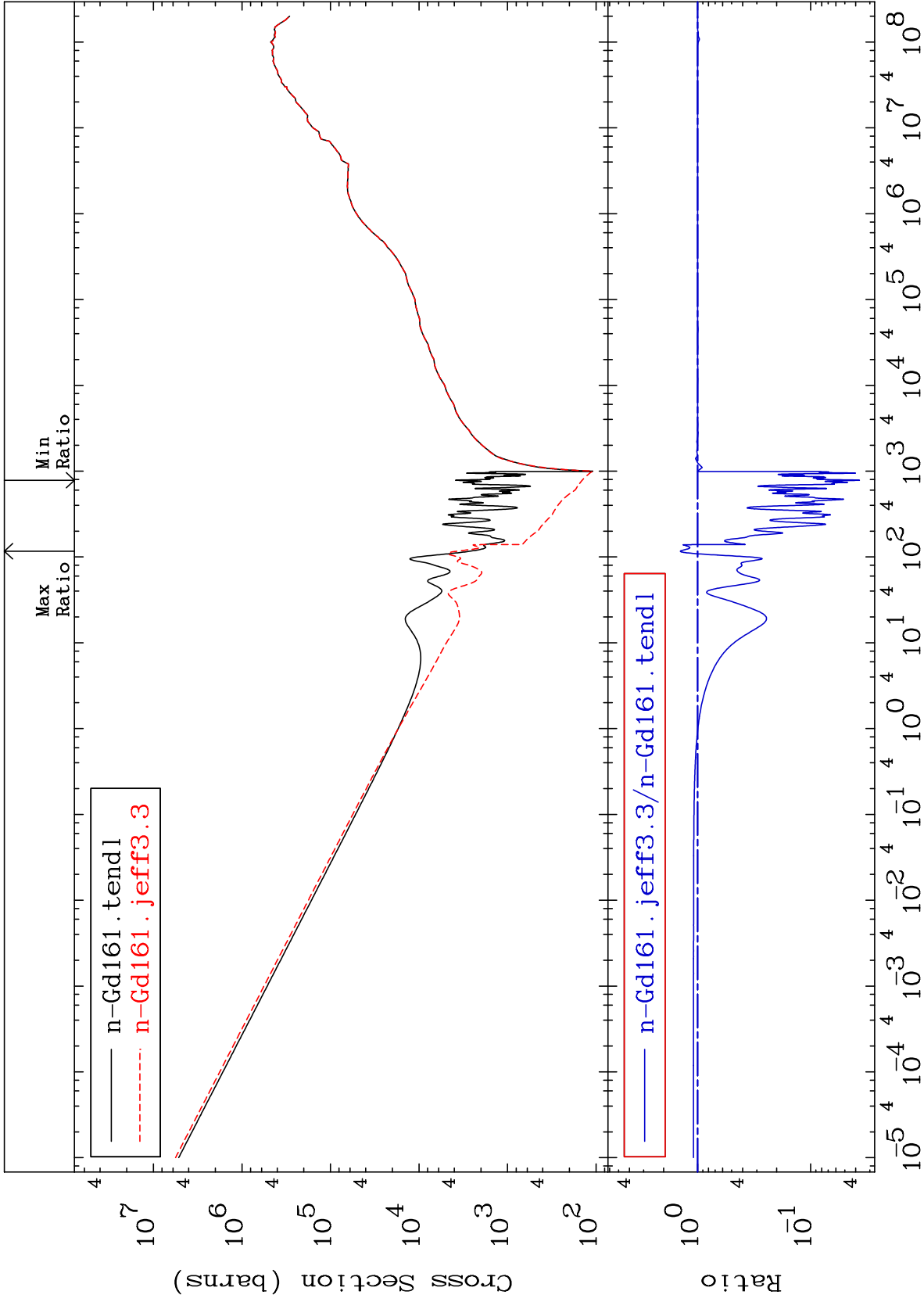
MAT 6452

Total photon (eV-barns)
Cross Section

64-Gd-161
-96.29 To 42.05 %



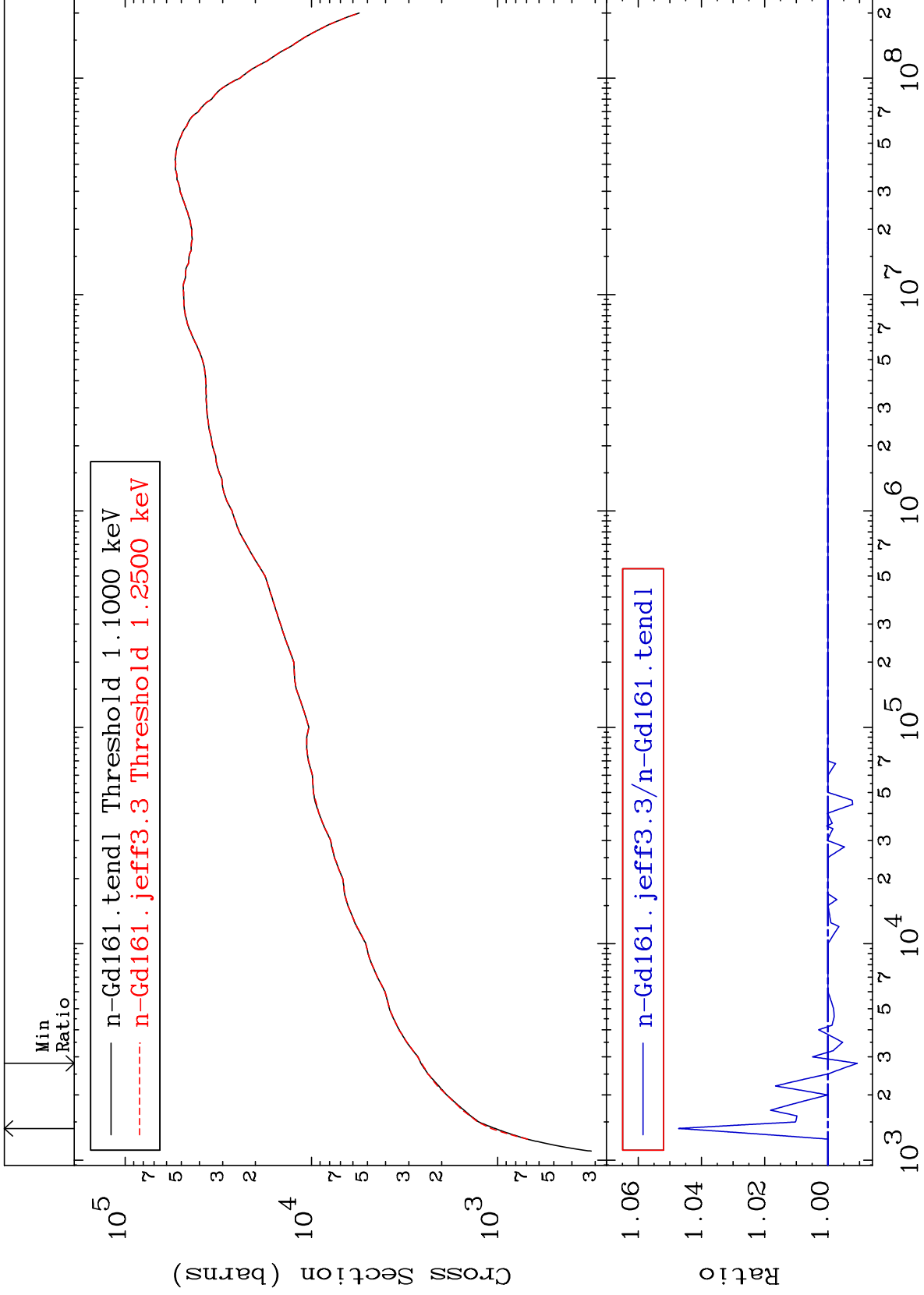




MAT 6452

Dpa elastic (mt2)
Cross Section

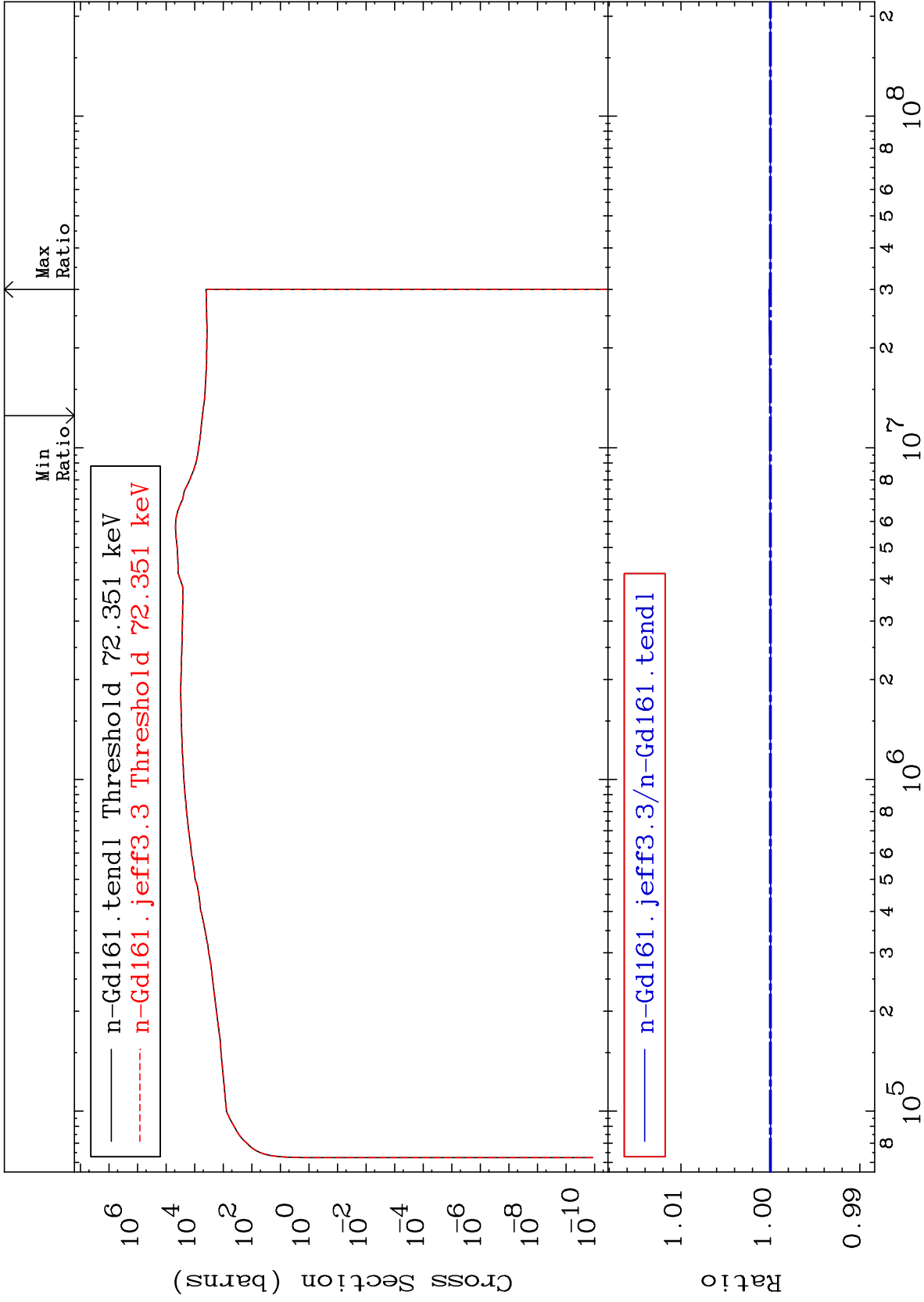
64-Gd-161
-0.930 To 4.721 %



40

Incident Energy (eV)

64-Gd-161



MAT 6452

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-161
-96.29 To 42.04 %

