

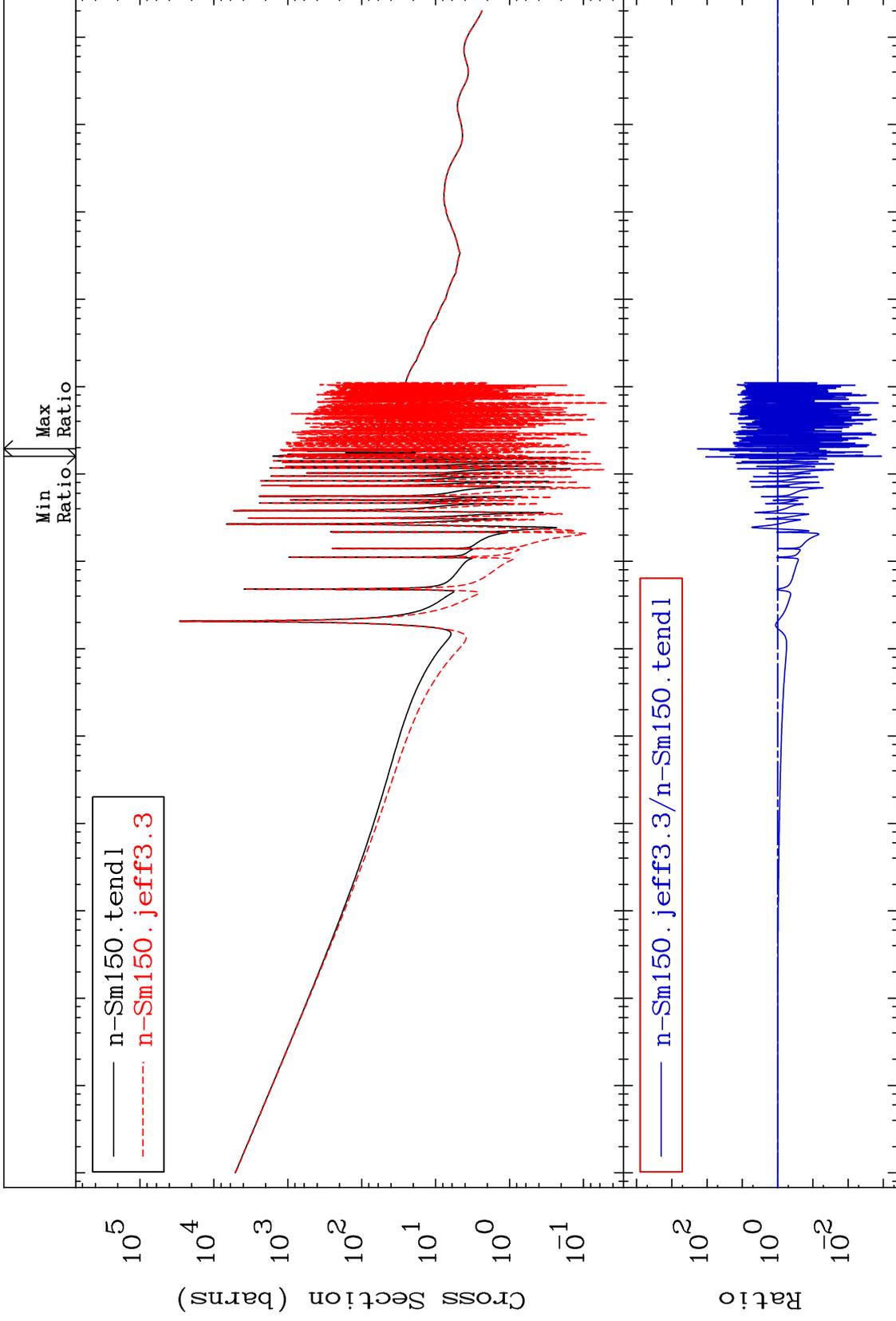
MAT 6243

Total

62-Sm-150

Cross Section

-99.89 To 9999. %



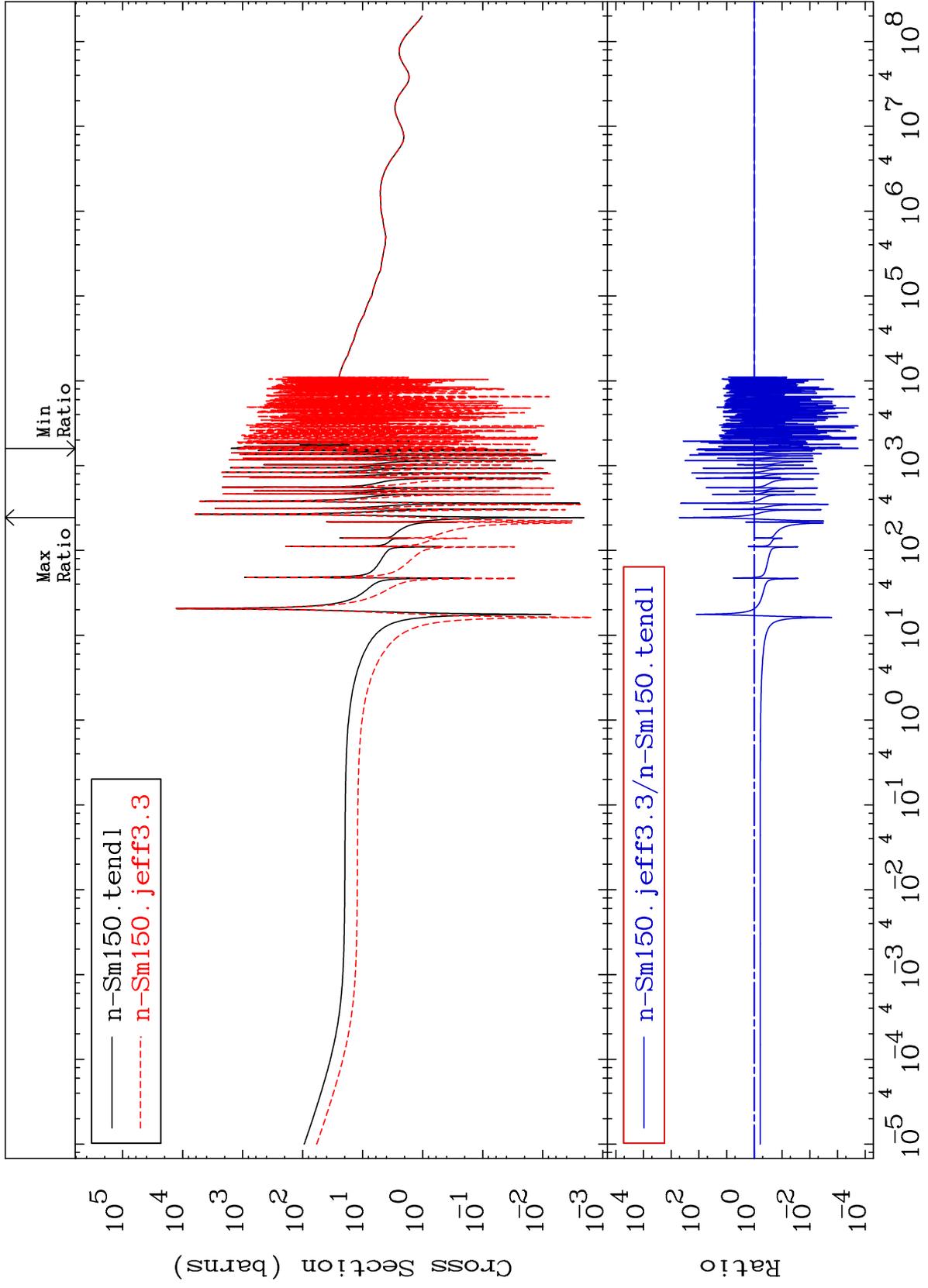
Incident Energy (eV)

62-Sm-150

MAT 6243

Elastic
Cross Section

62-Sm-150
-99.98 To 9999. %



MAT 6243

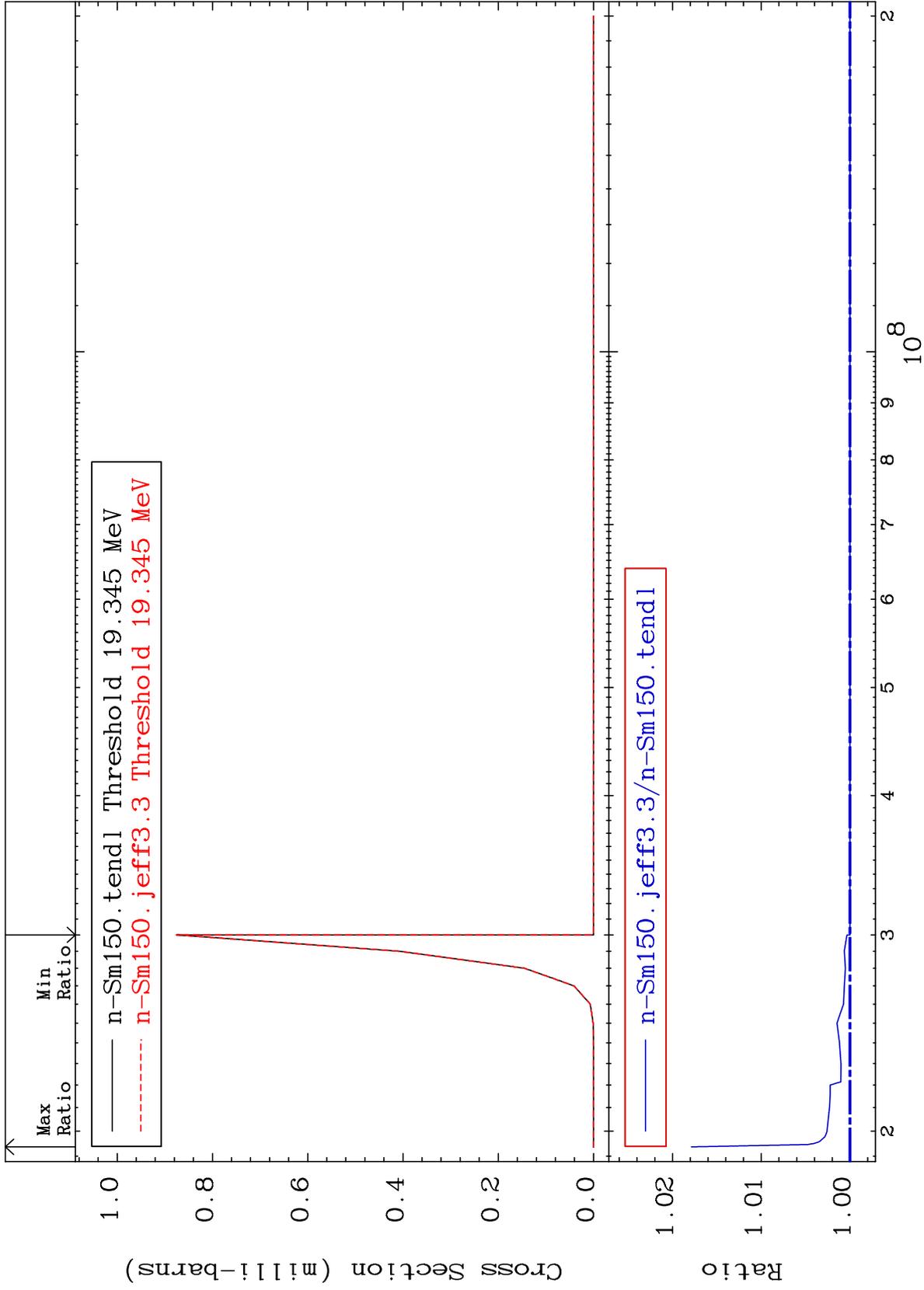
(n,2n) d

62-Sm-150

Cross Section

0.000

To 1.787 %



3

62-Sm-150

62-Sm-150

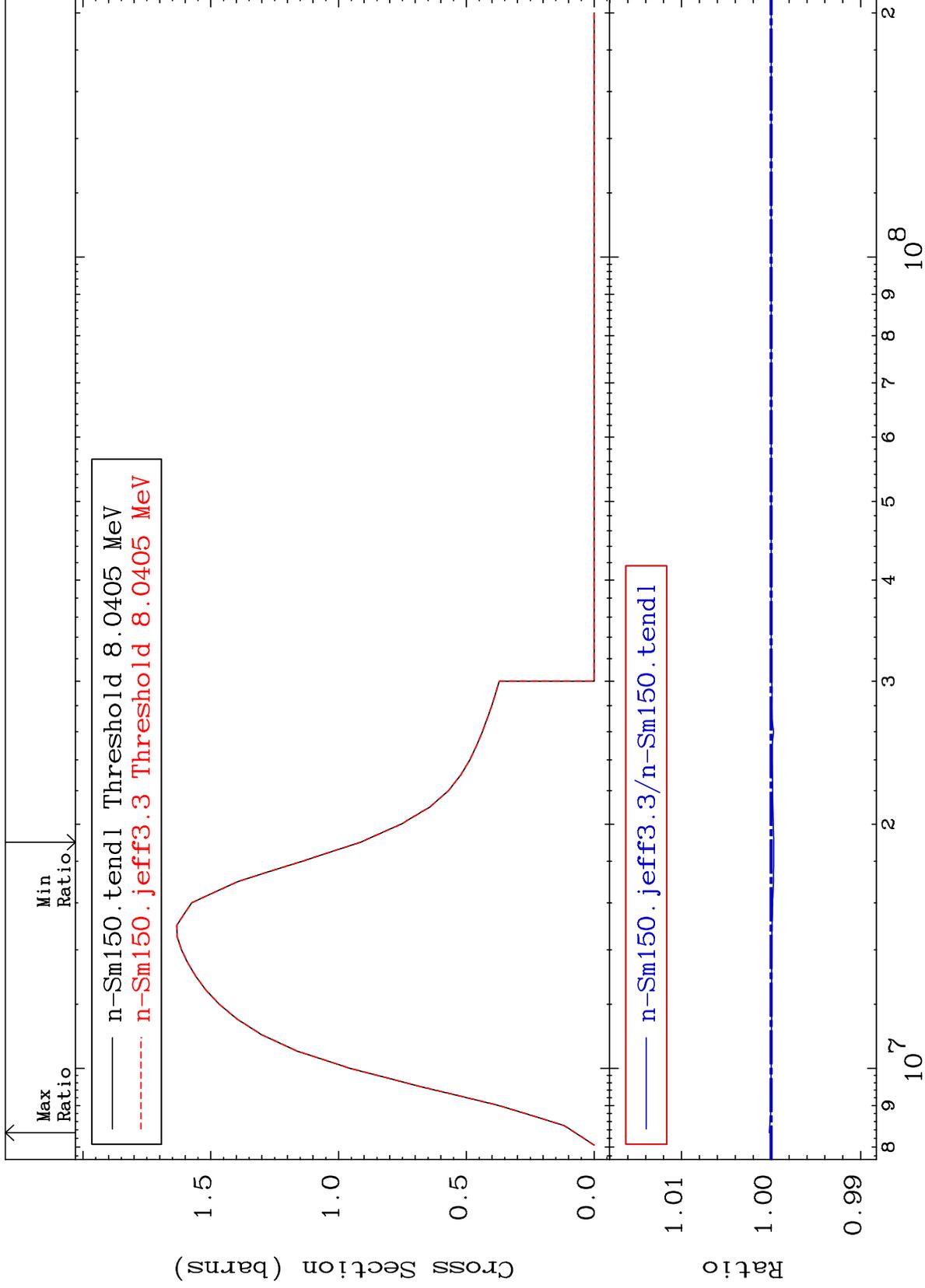
MAT 6243

(n,2n)

62-Sm-150

Cross Section

-0.029 To 0.020 %



Incident Energy (eV)

62-Sm-150

4

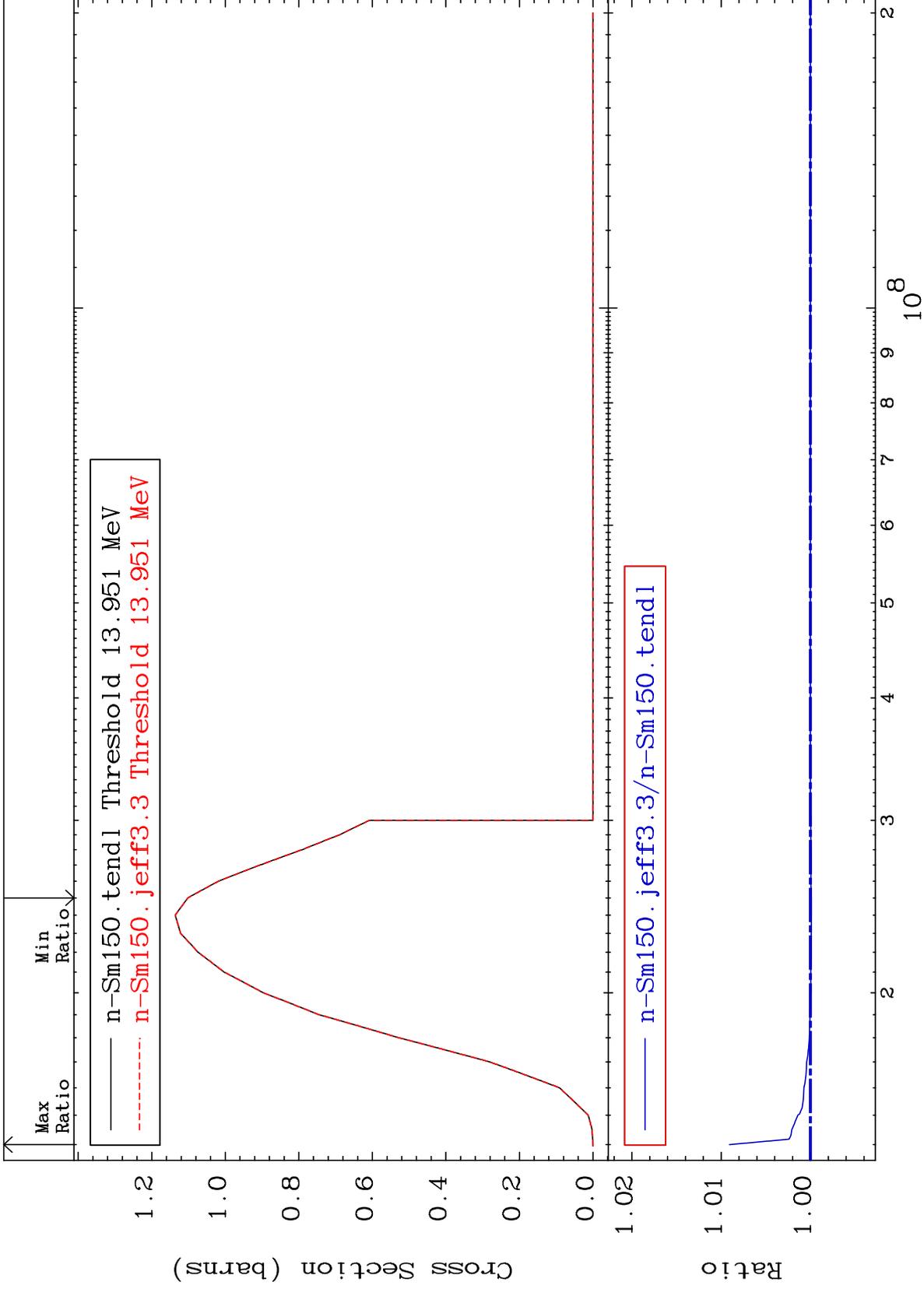
MAT 6243

(n,3n)

62-Sm-150

Cross Section

-0.012 To 0.907 %



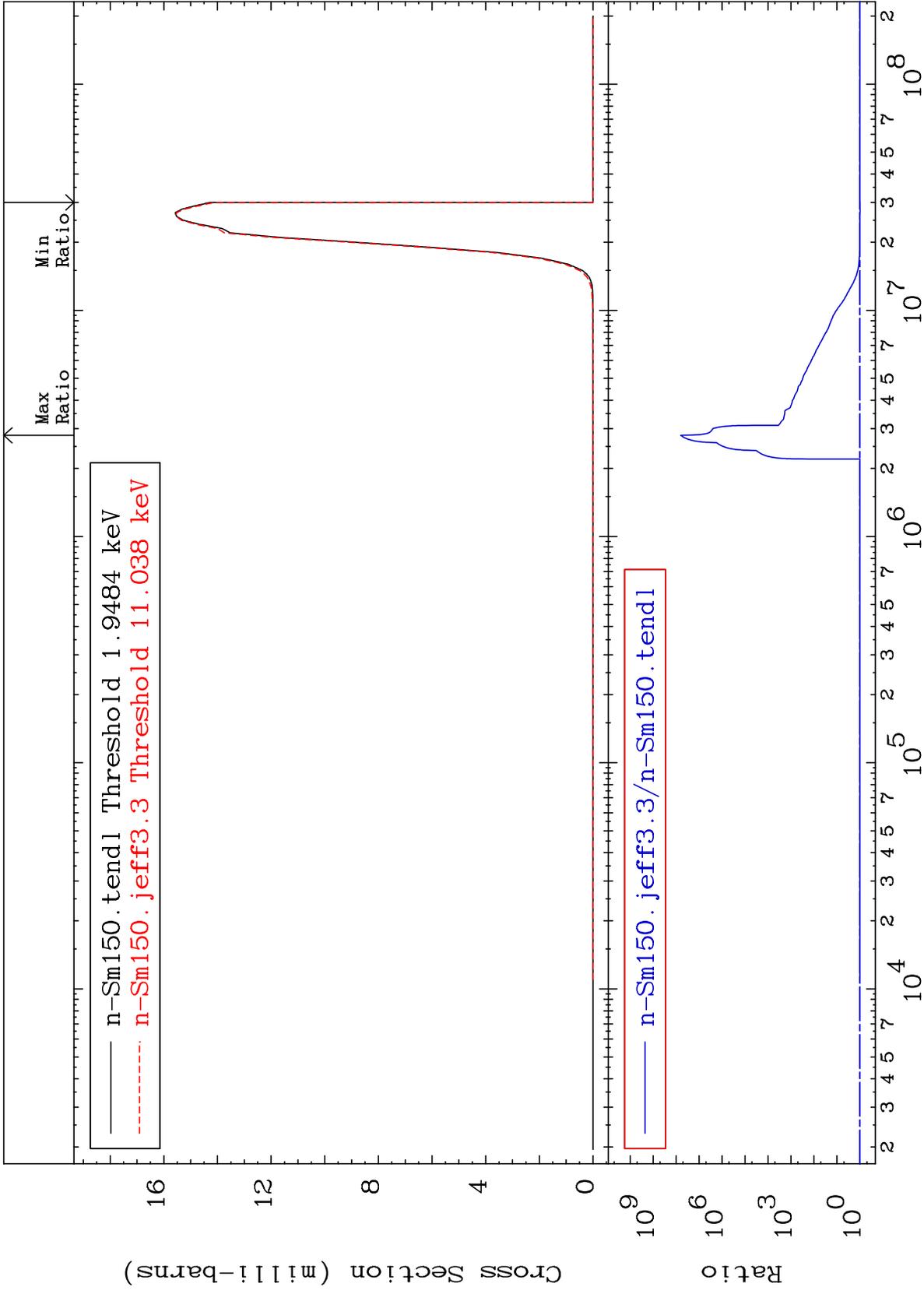
MAT 6243

(n, n') α

62-Sm-150

Cross Section

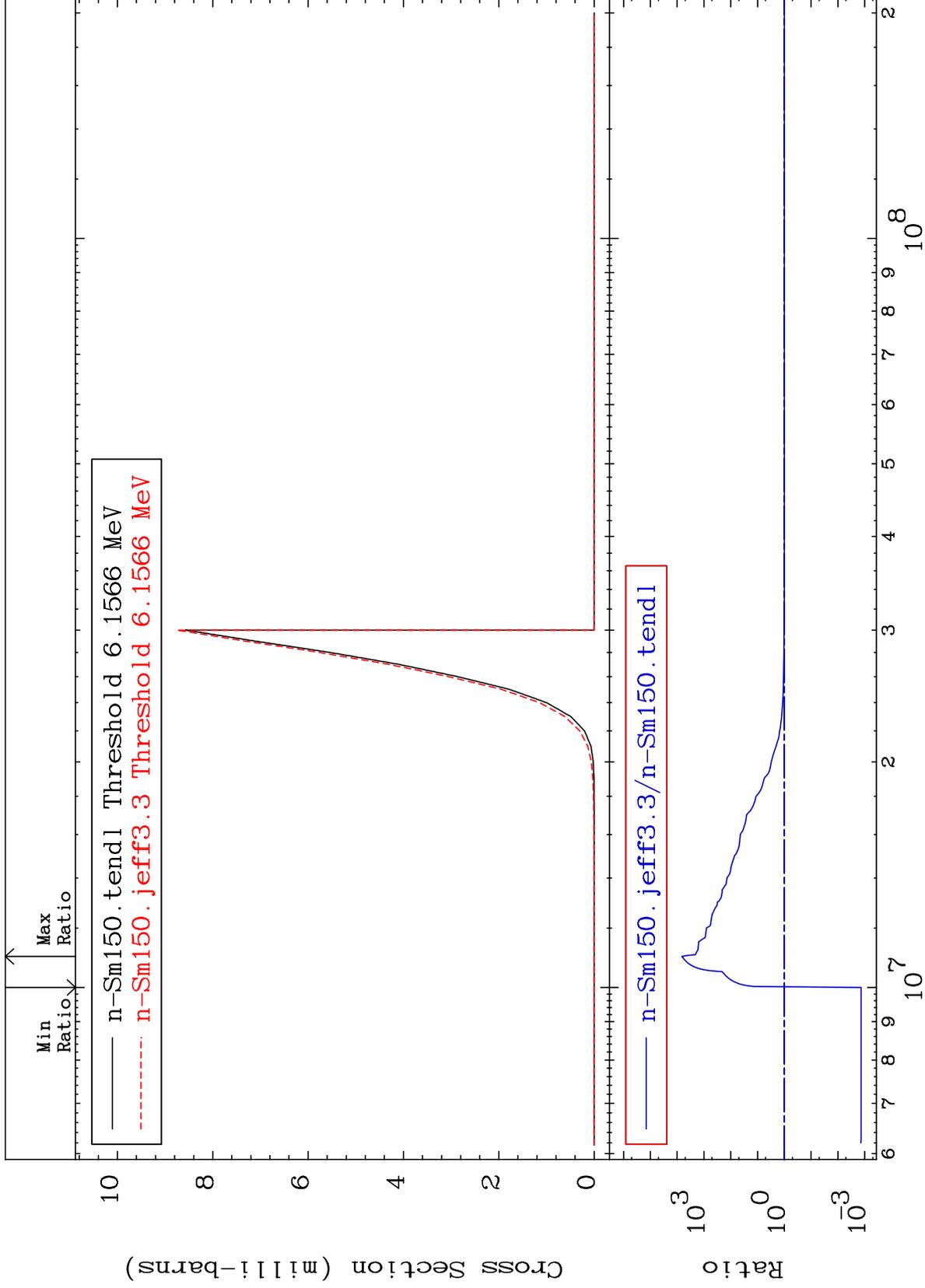
-1.099 To 9999. %



MAT 6243

(n,2n) α
Cross Section

62-Sm-150
-99.86 To 9999. %



7

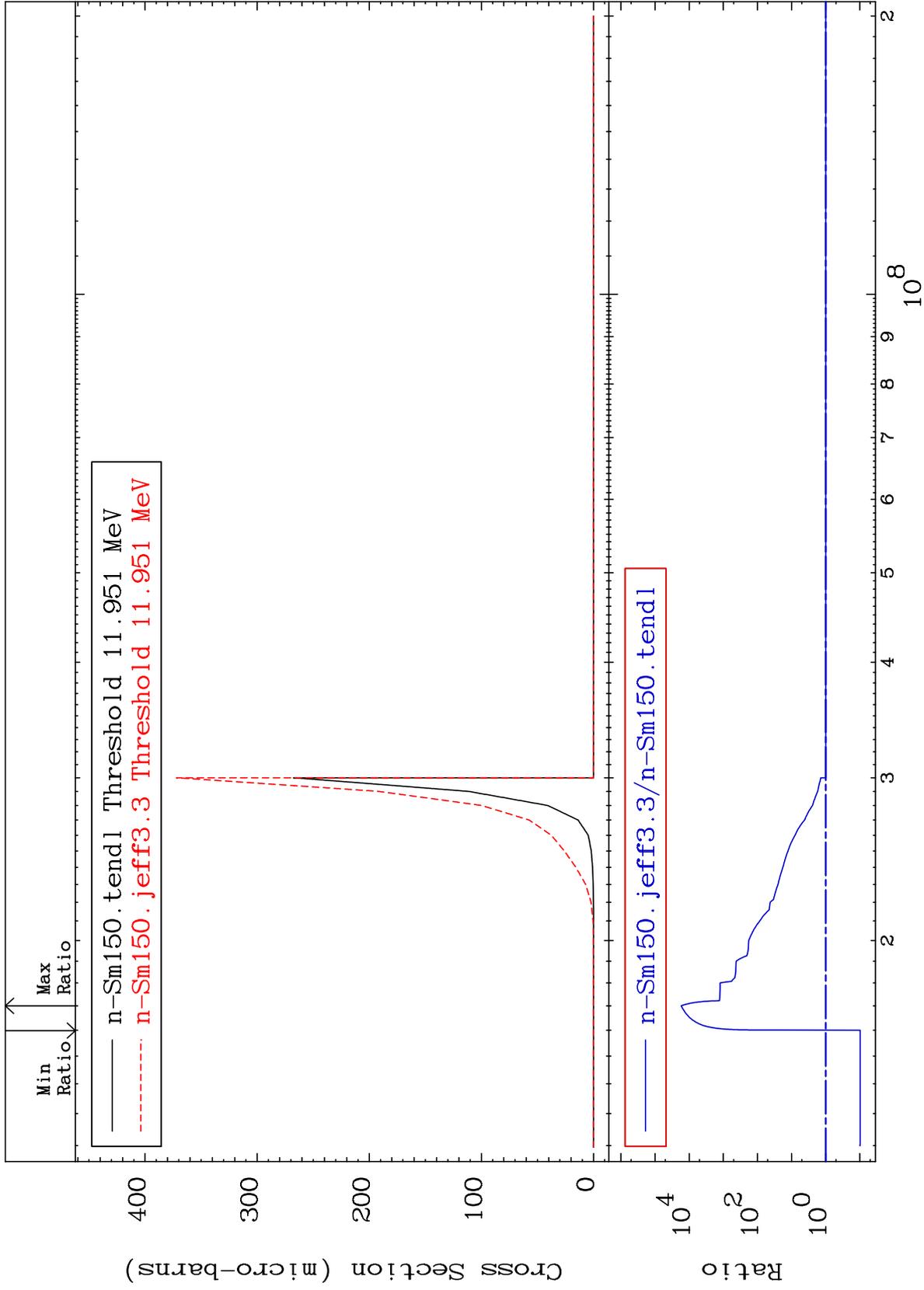
Incident Energy (eV)

62-Sm-150

MAT 6243

(n,3n) α
Cross Section

62-Sm-150
-90.22 To 9999. %

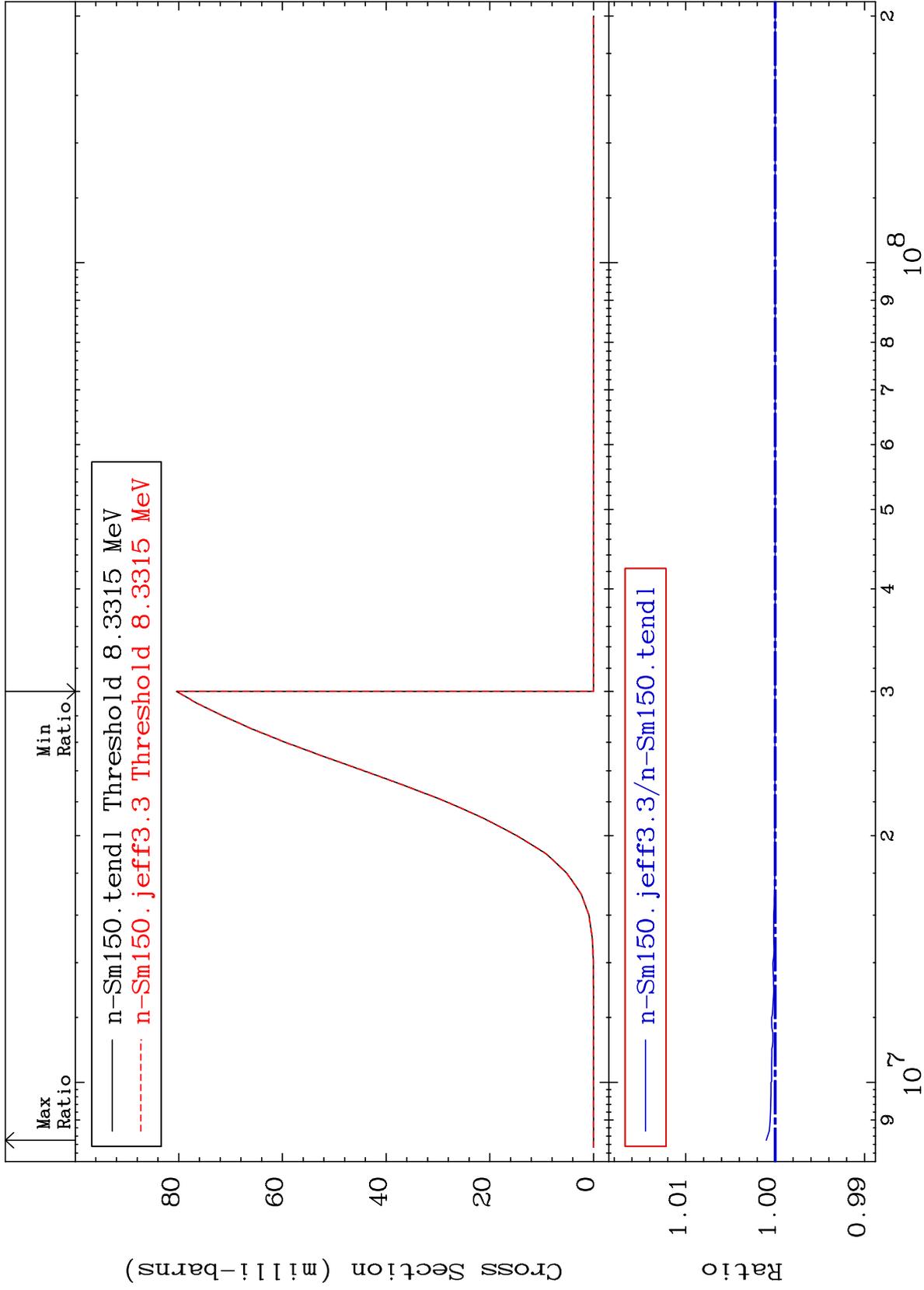


MAT 6243

(n,n') p
Cross Section

62-Sm-150

0.000 To 0.100 %



9

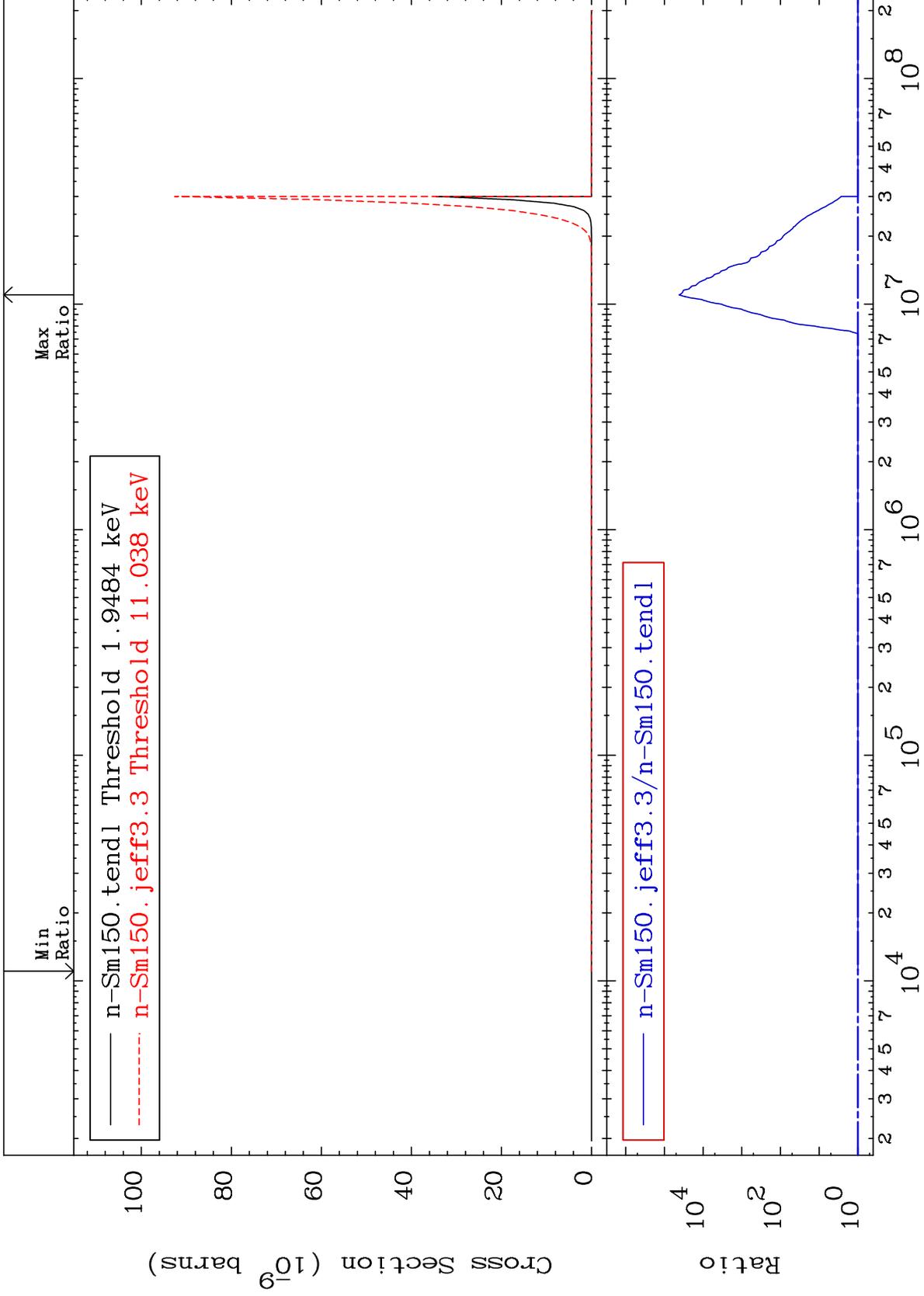
Incident Energy (eV)

62-Sm-150

MAT 6243

(n, n') 2α
Cross Section

62-Sm-150
To 9999. %



MAT 6243

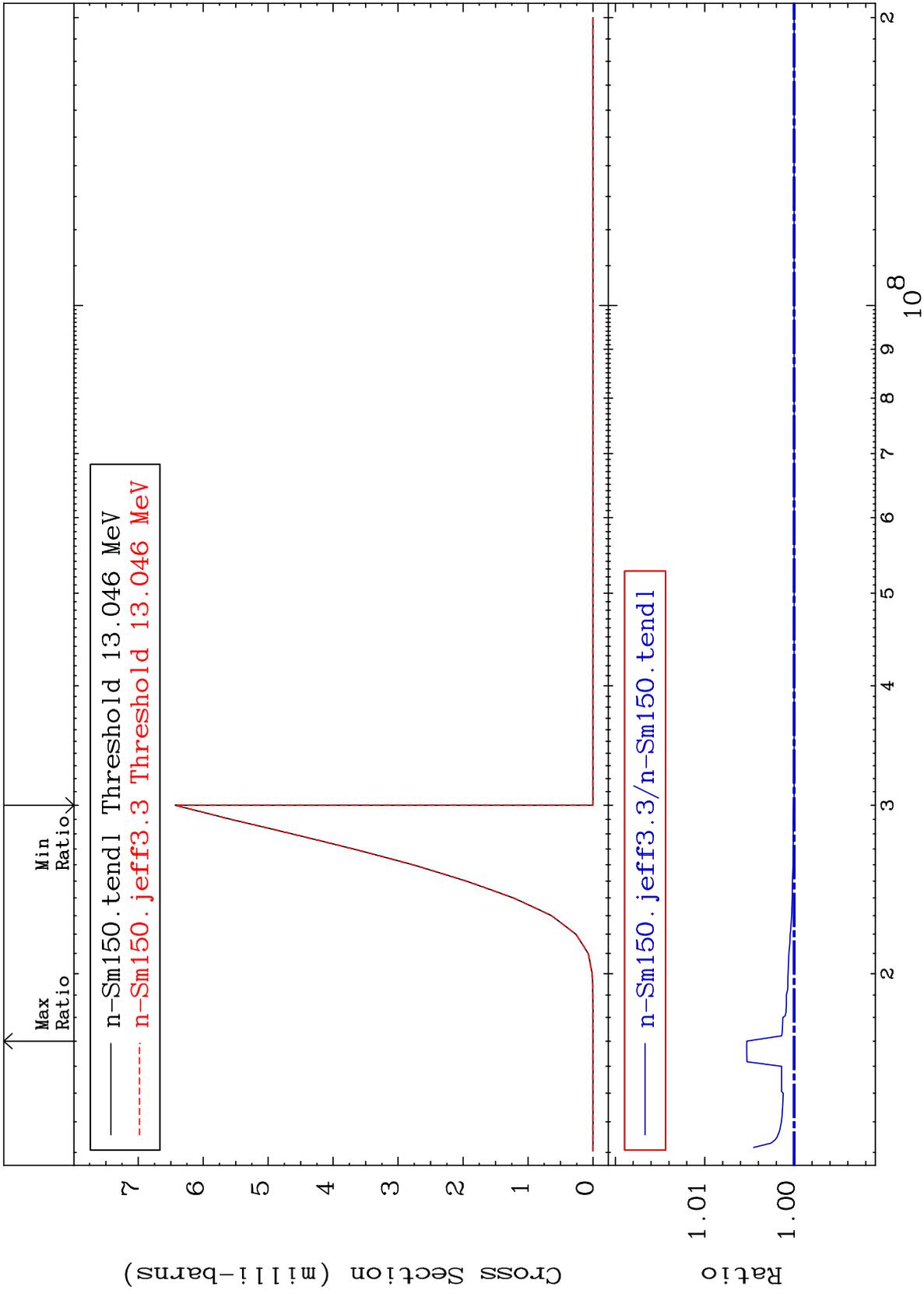
(n, n') t

62-Sm-150

Cross Section

0.000

To 0.530 %



12

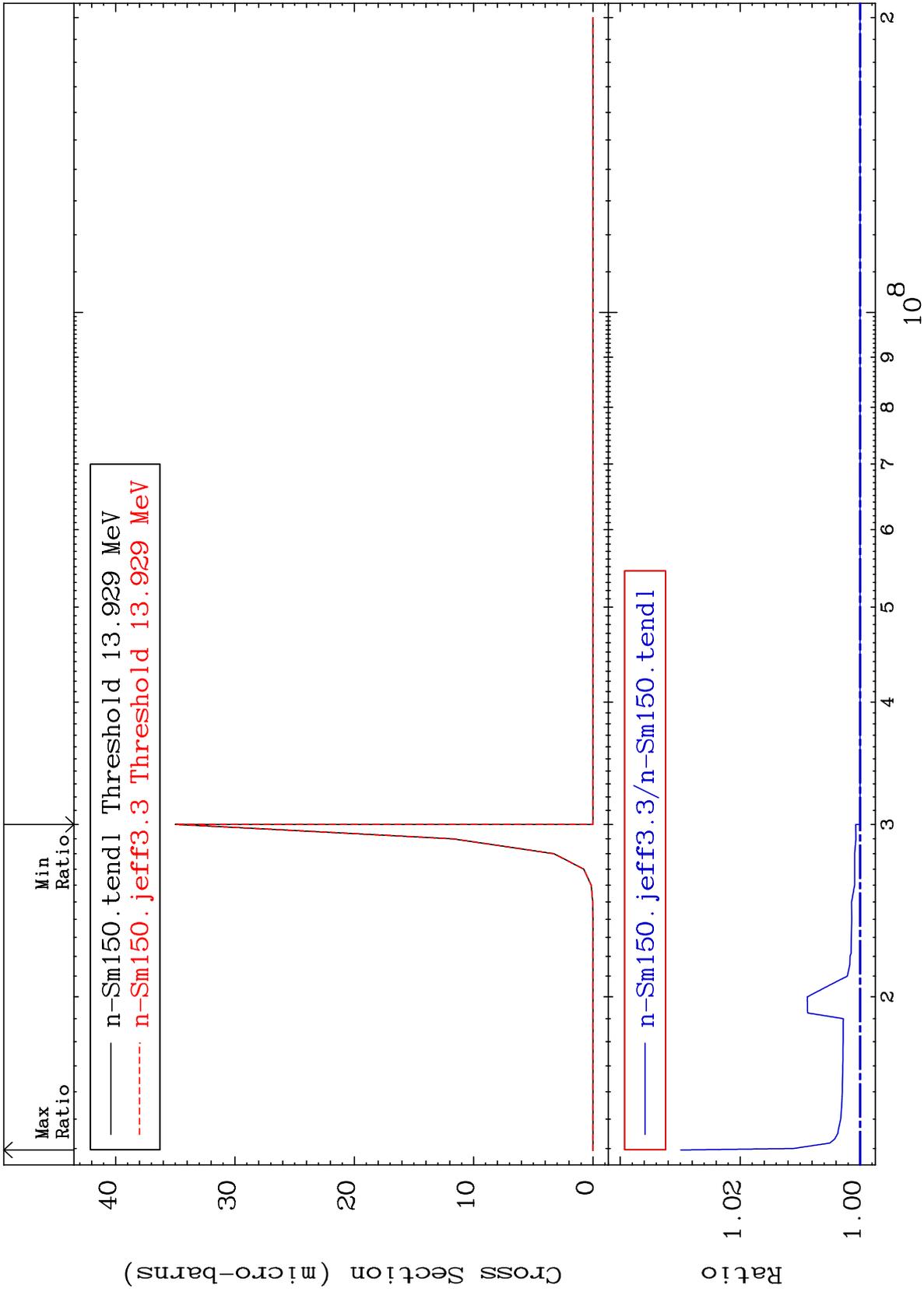
Incident Energy (eV)

62-Sm-150

MAT 6243

(n, n') He-3
Cross Section

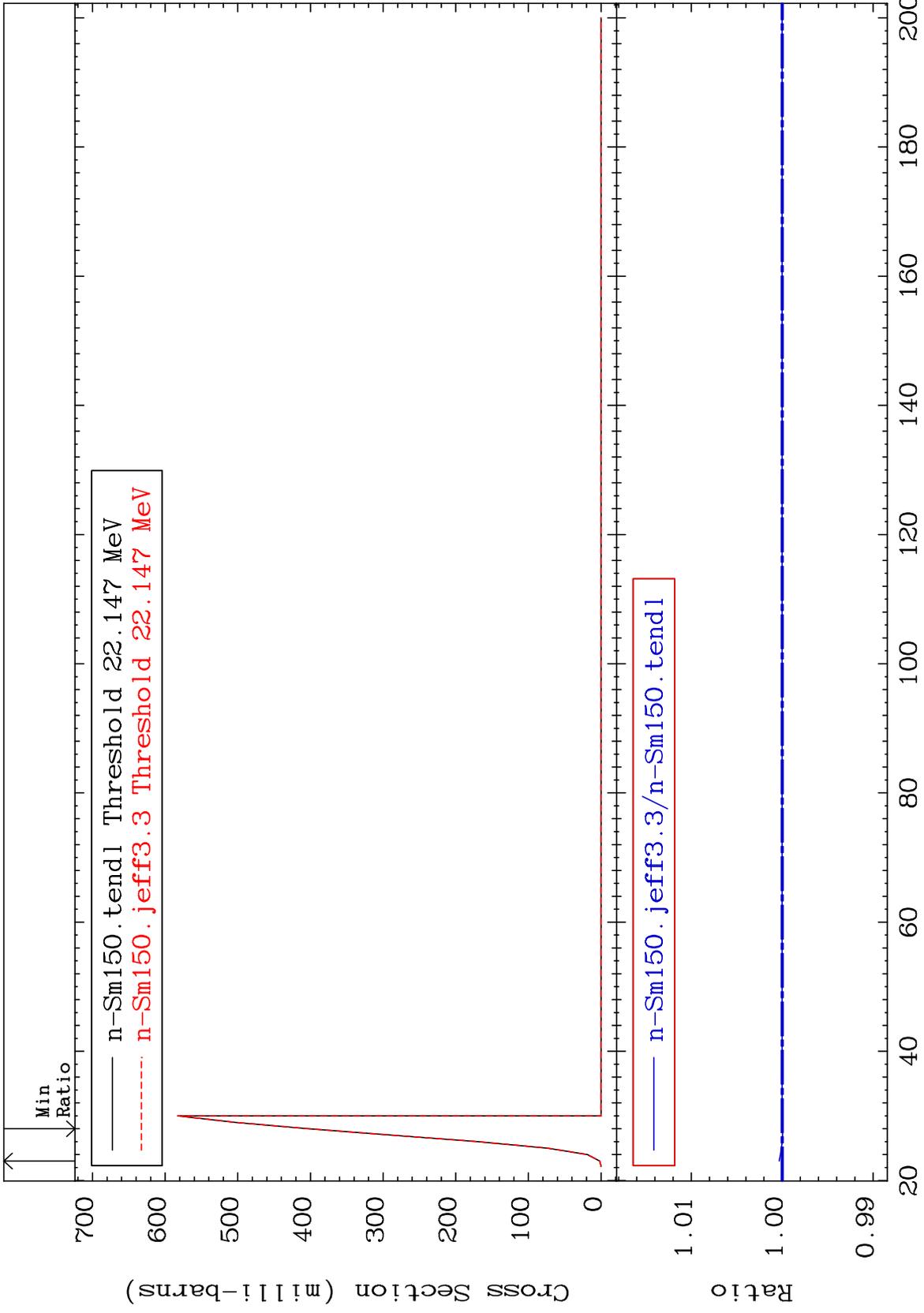
62-Sm-150
To 2.991 %
0.000



MAT 6243

(n,4n)
Cross Section

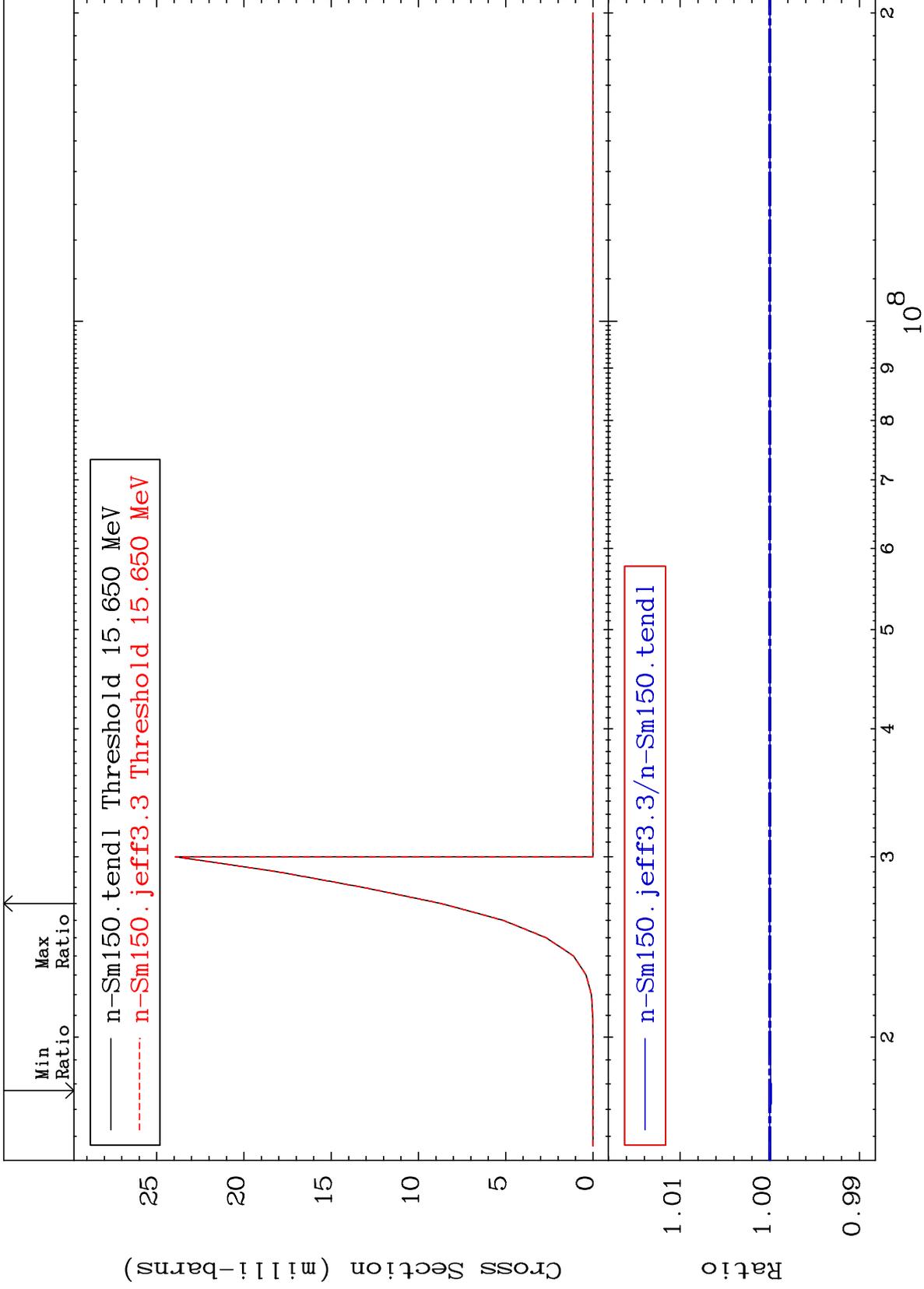
62-Sm-150
-0.006 To 0.033 %



MAT 6243

(n,2n) p
Cross Section

62-Sm-150
-0.017 To 0.003 %



15

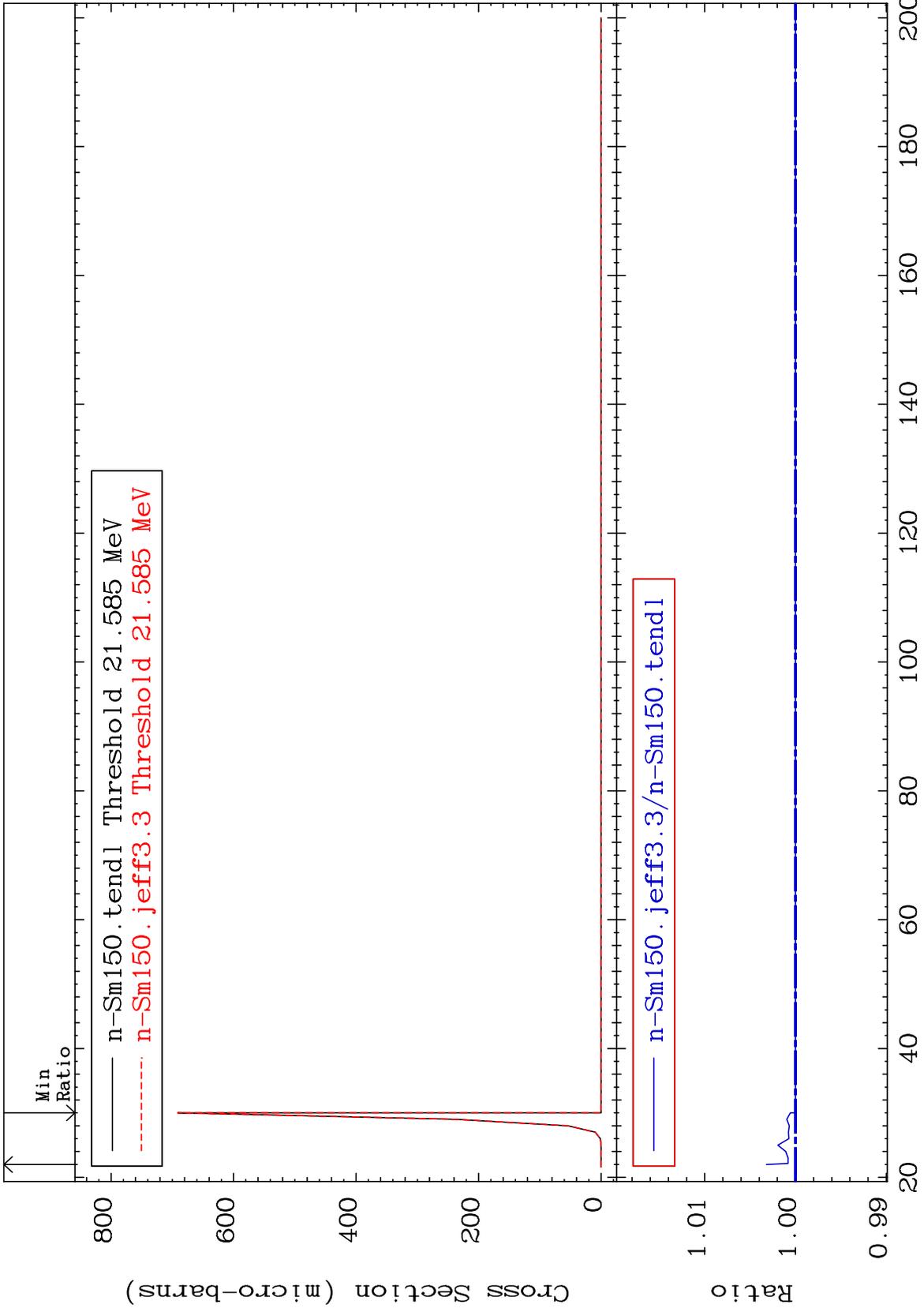
Incident Energy (eV)

62-Sm-150

MAT 6243

(n,3n) p
Cross Section

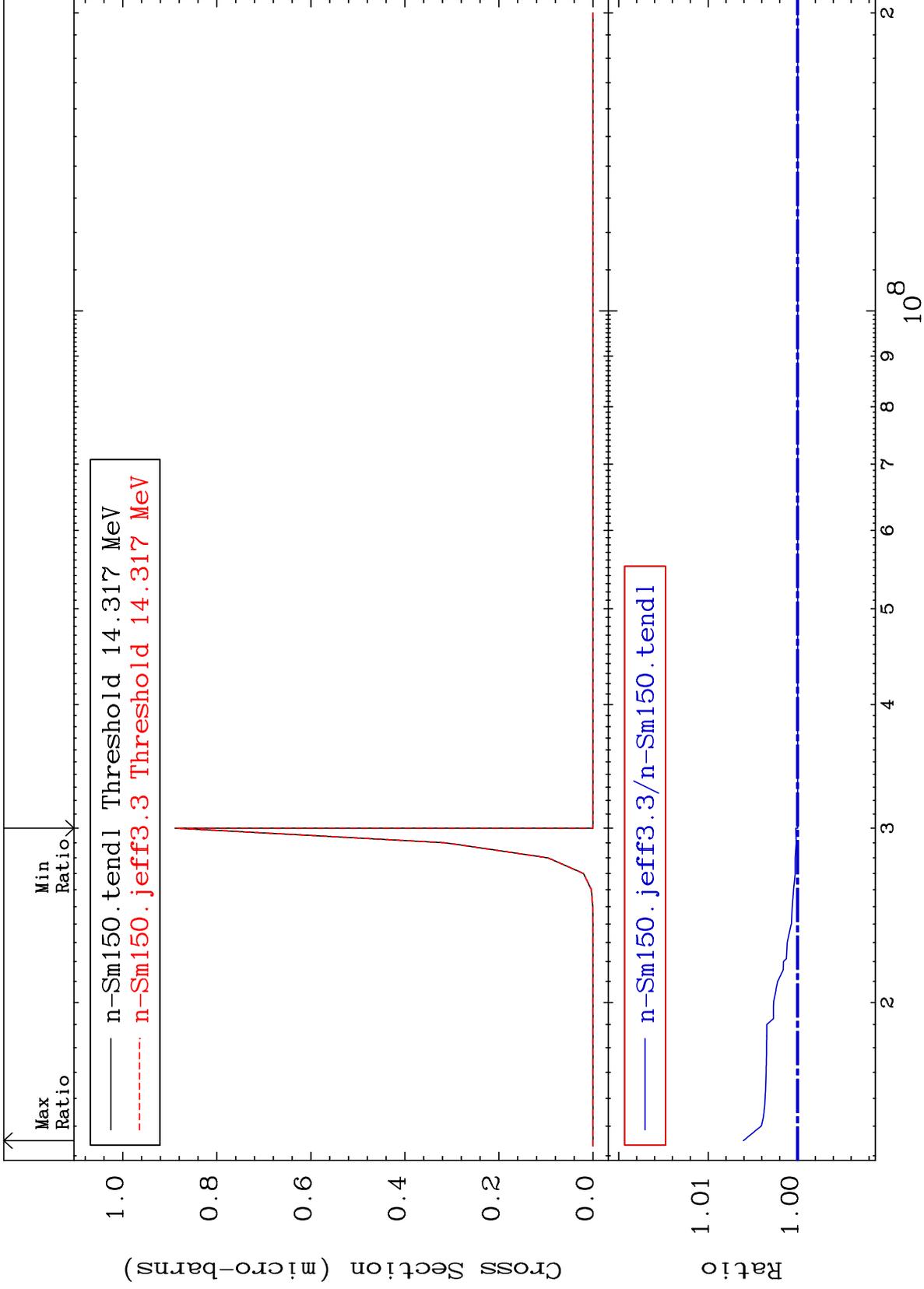
62-Sm-150
To 0.320 %



MAT 6243

(n,2n) p
Cross Section

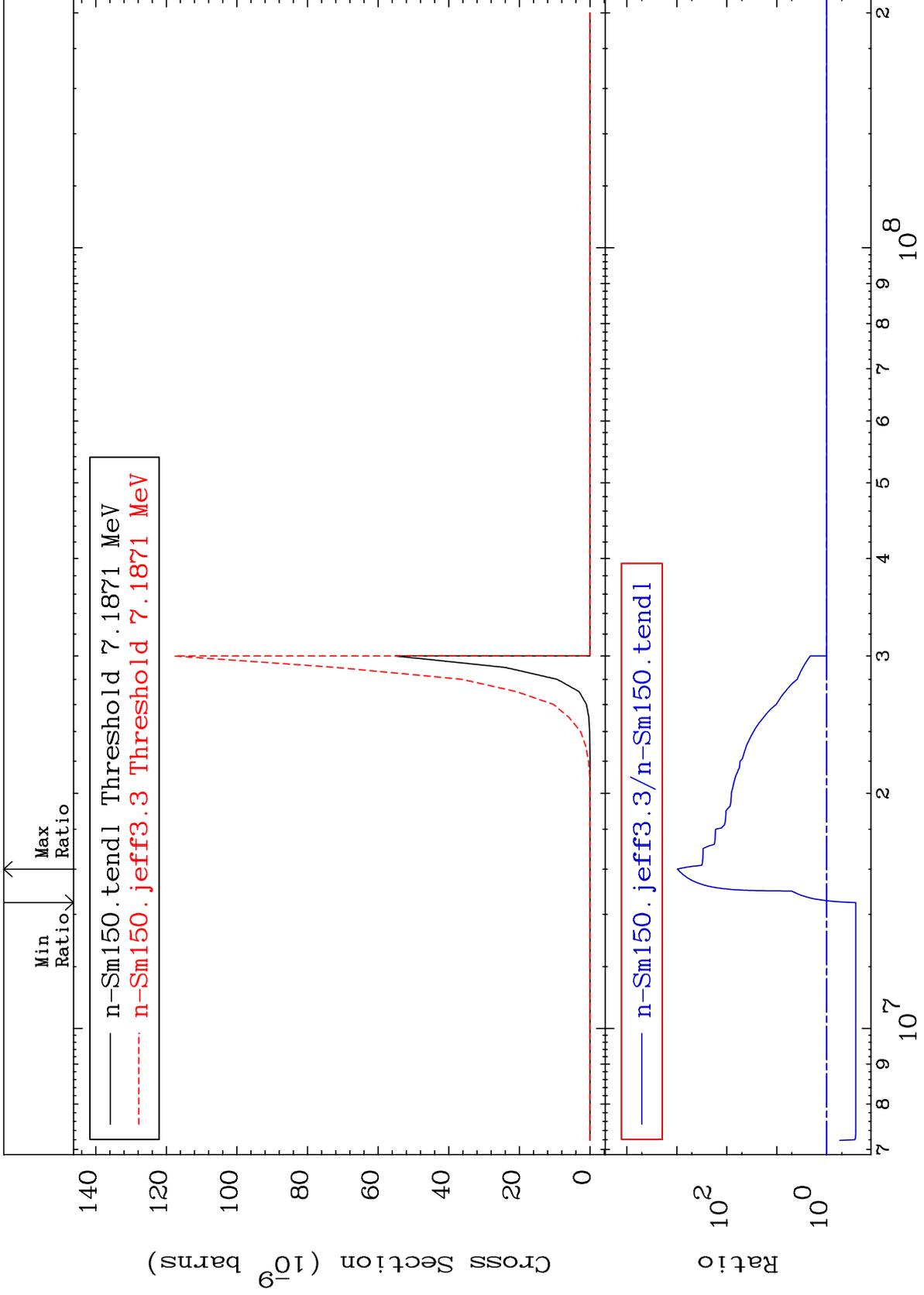
62-Sm-150
To 0.607 %



MAT 6243

(n,n') p α
Cross Section

62-Sm-150
-73.73 To 9999. %



18

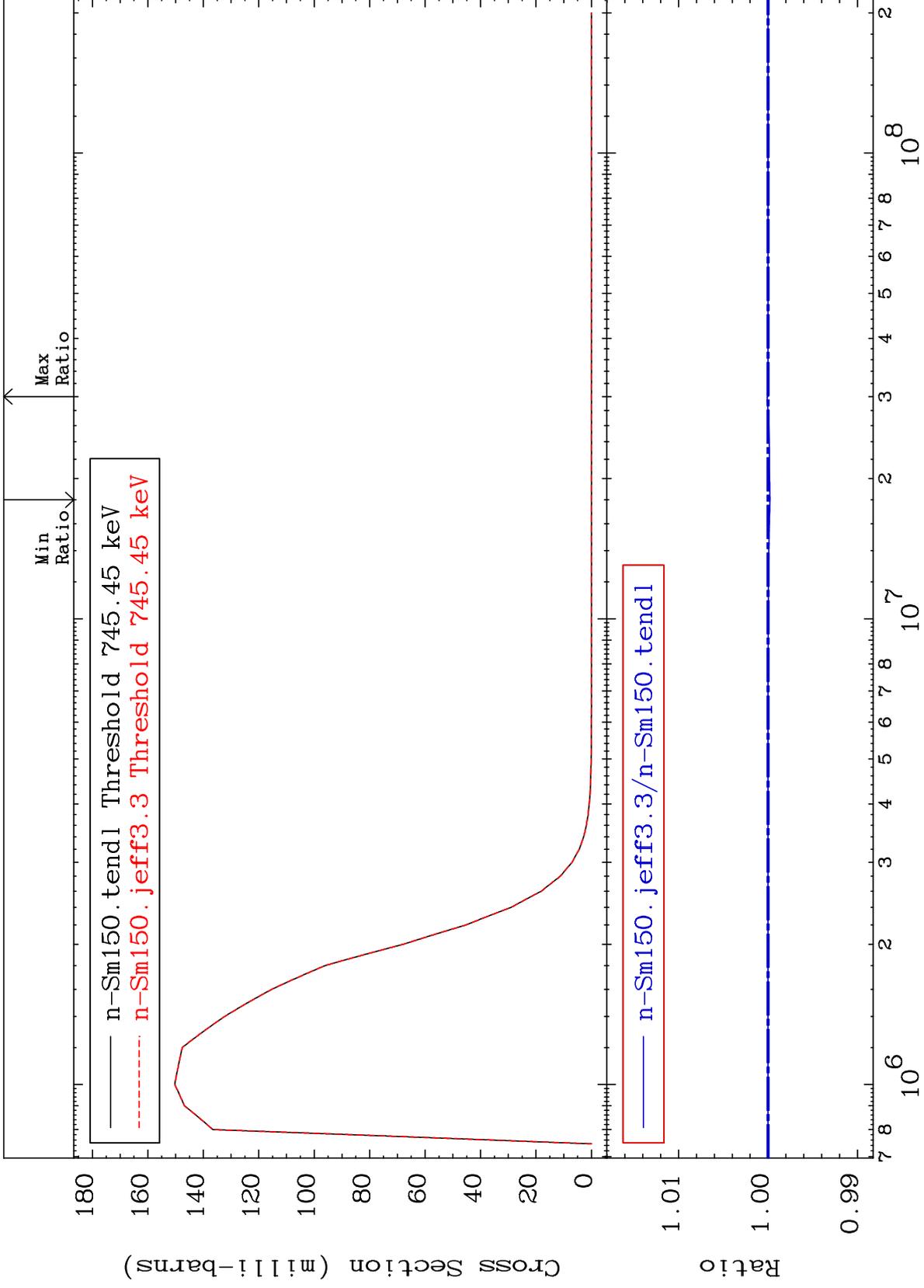
Incident Energy (eV)

62-Sm-150

MAT 6243

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

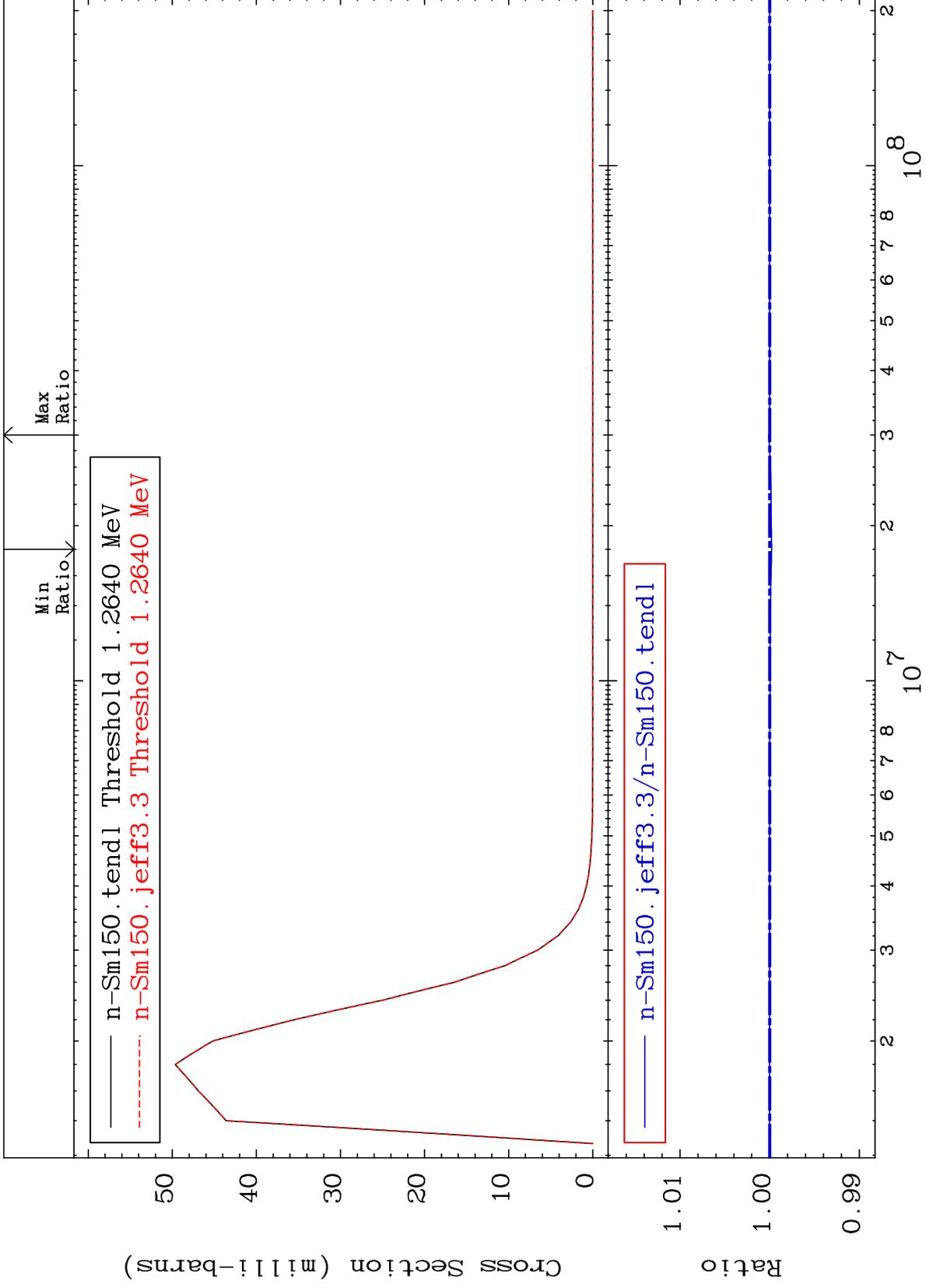
62-Sm-150
-0.022 To 0.011 %



MAT 6243

MT= 58 (n,n') Level
Cross Section

62-Sm-150
-0.022 To 0.011 %



20

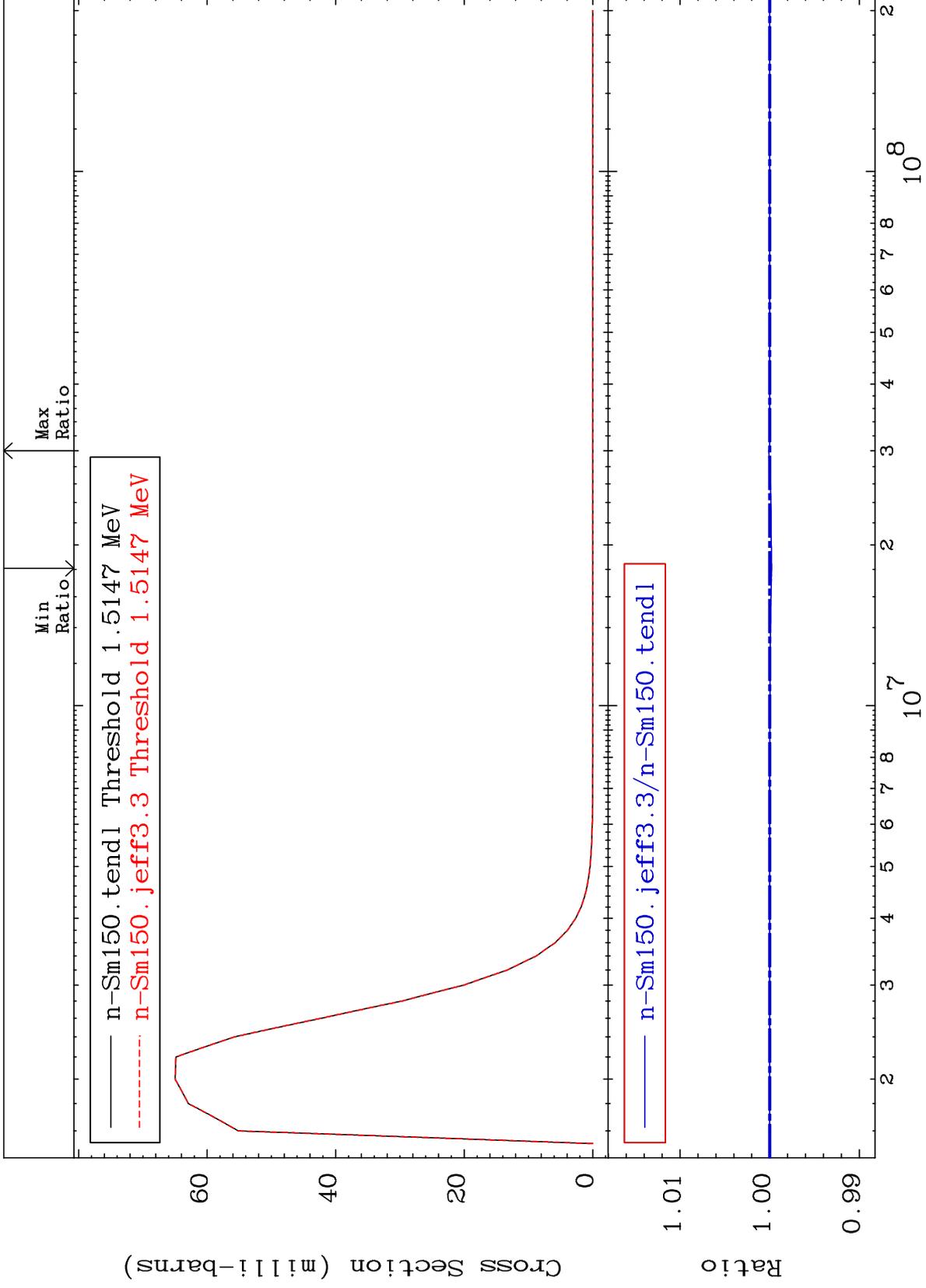
Incident Energy (eV)

62-Sm-150

MAT 6243

MT= 63 (n, n') Level
Cross Section

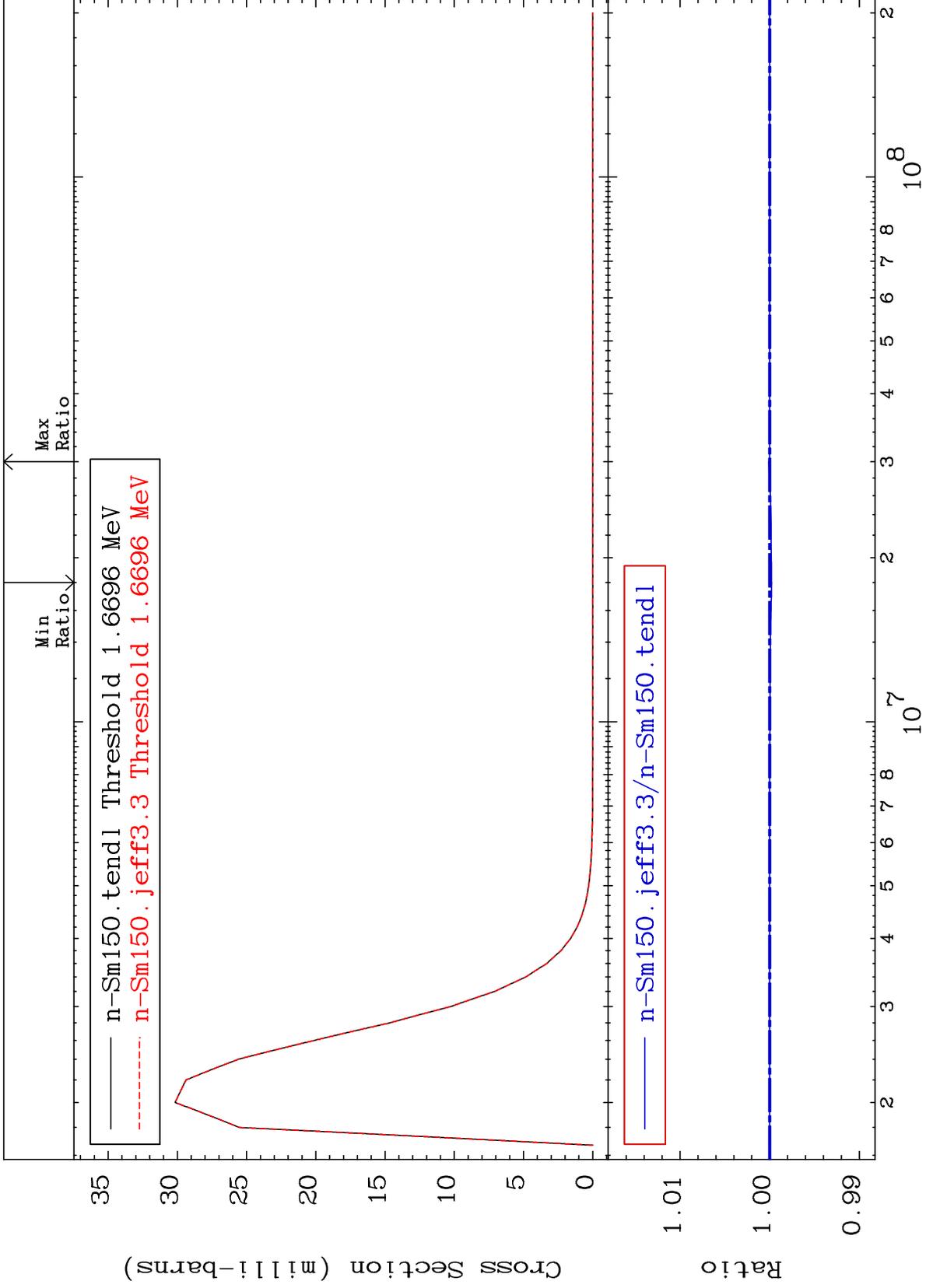
62-Sm-150
-0.022 To 0.011 %



MAT 6243

MT= 66 (n,n') Level
Cross Section

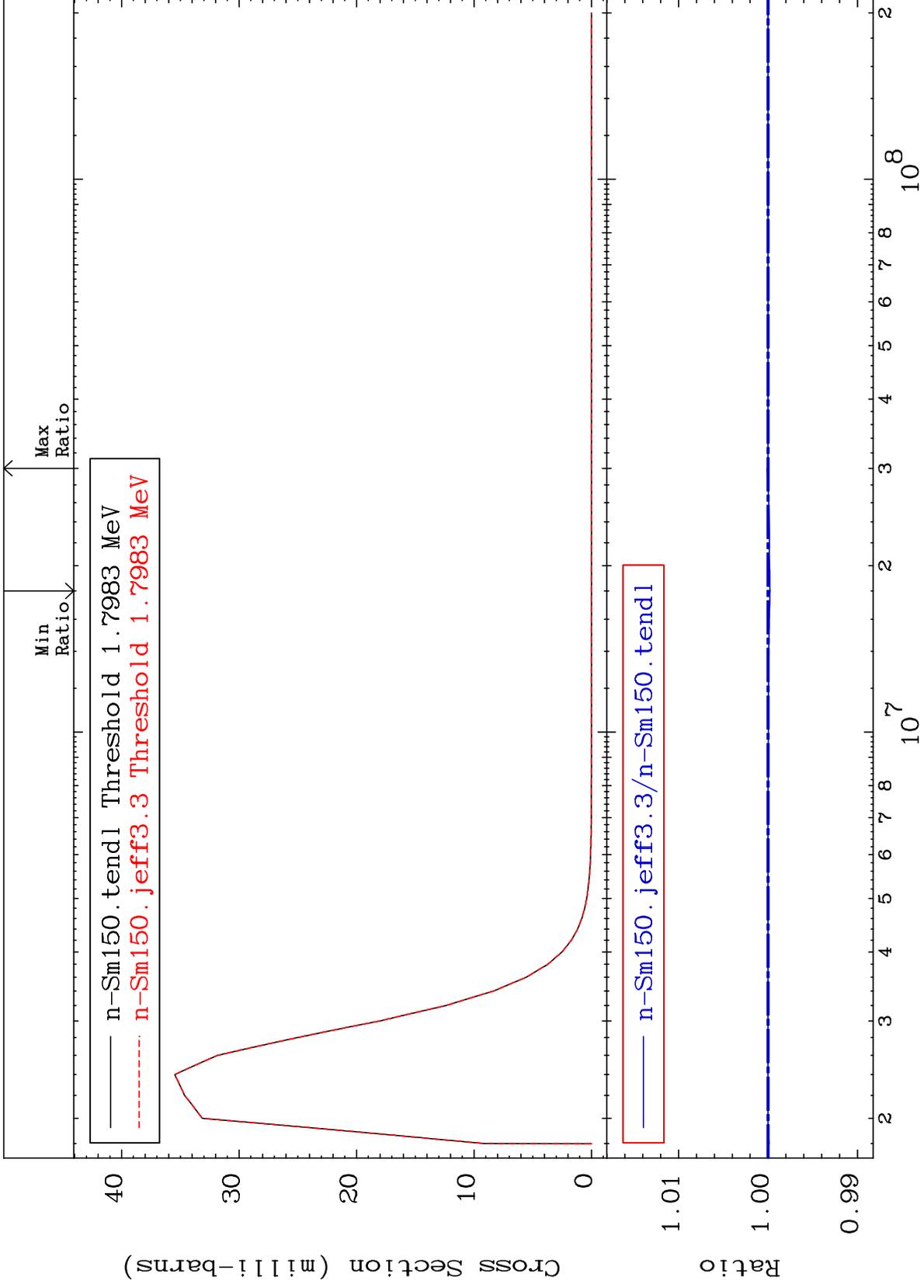
62-Sm-150
-0.022 To 0.011 %



MAT 6243

MT= 73 (n,n') Level
Cross Section

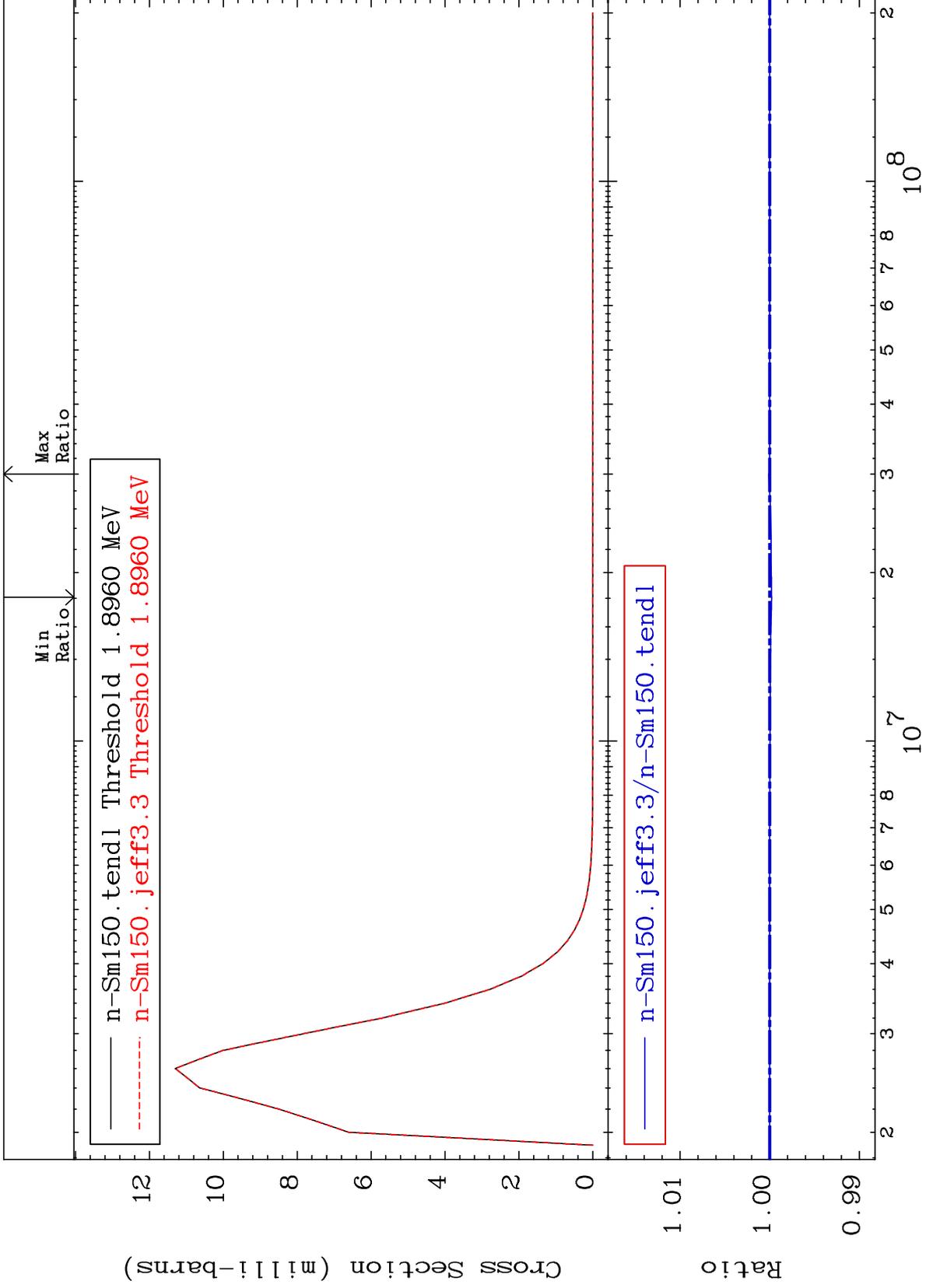
62-Sm-150
-0.022 To 0.011 %



MAT 6243

MT= 80 (n,n') Level
Cross Section

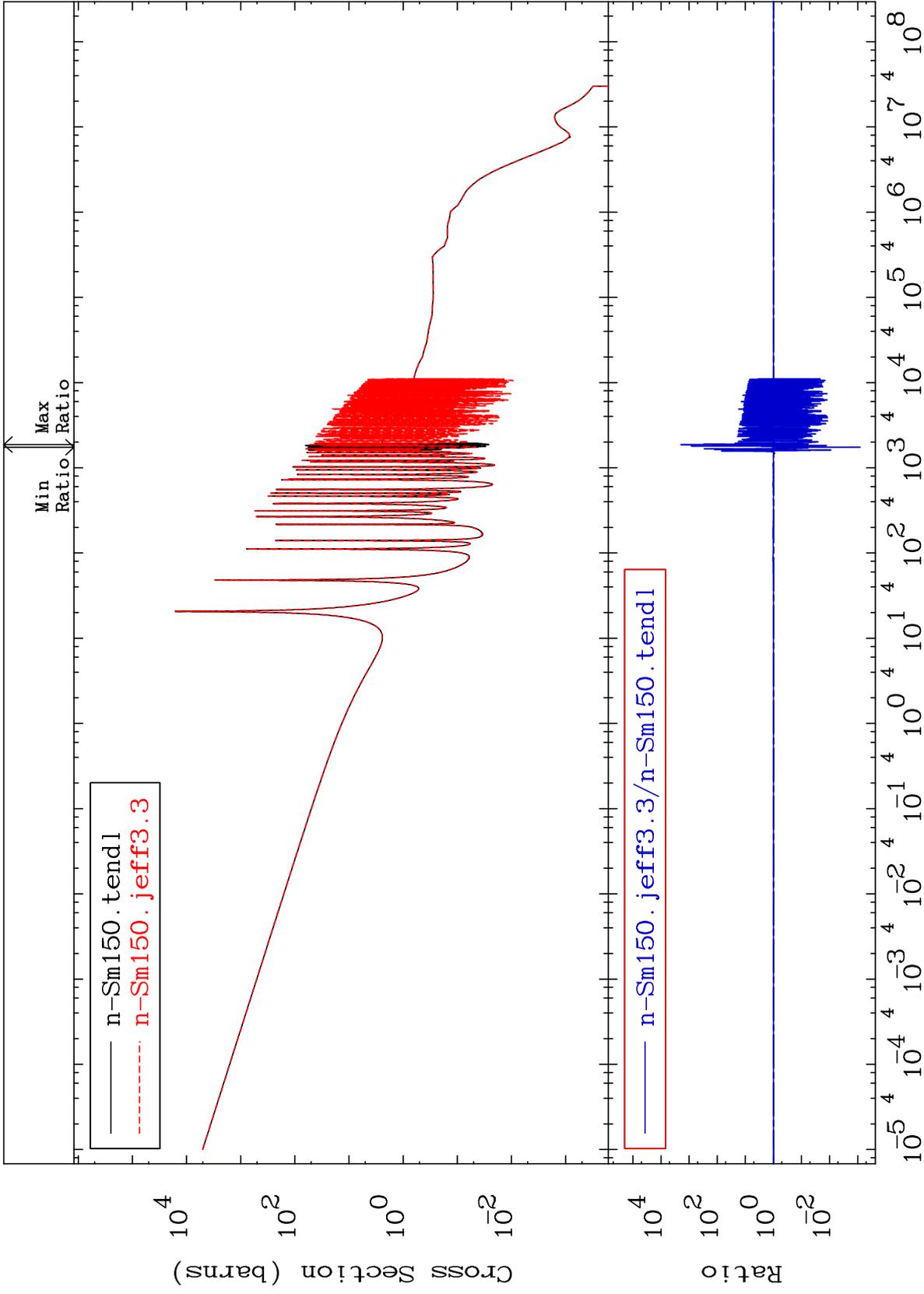
62-Sm-150
-0.022 To 0.011 %



MAT 6243

(n, γ)
Cross Section

62-Sm-150
-99.92 To 9999. %



MAT 6243

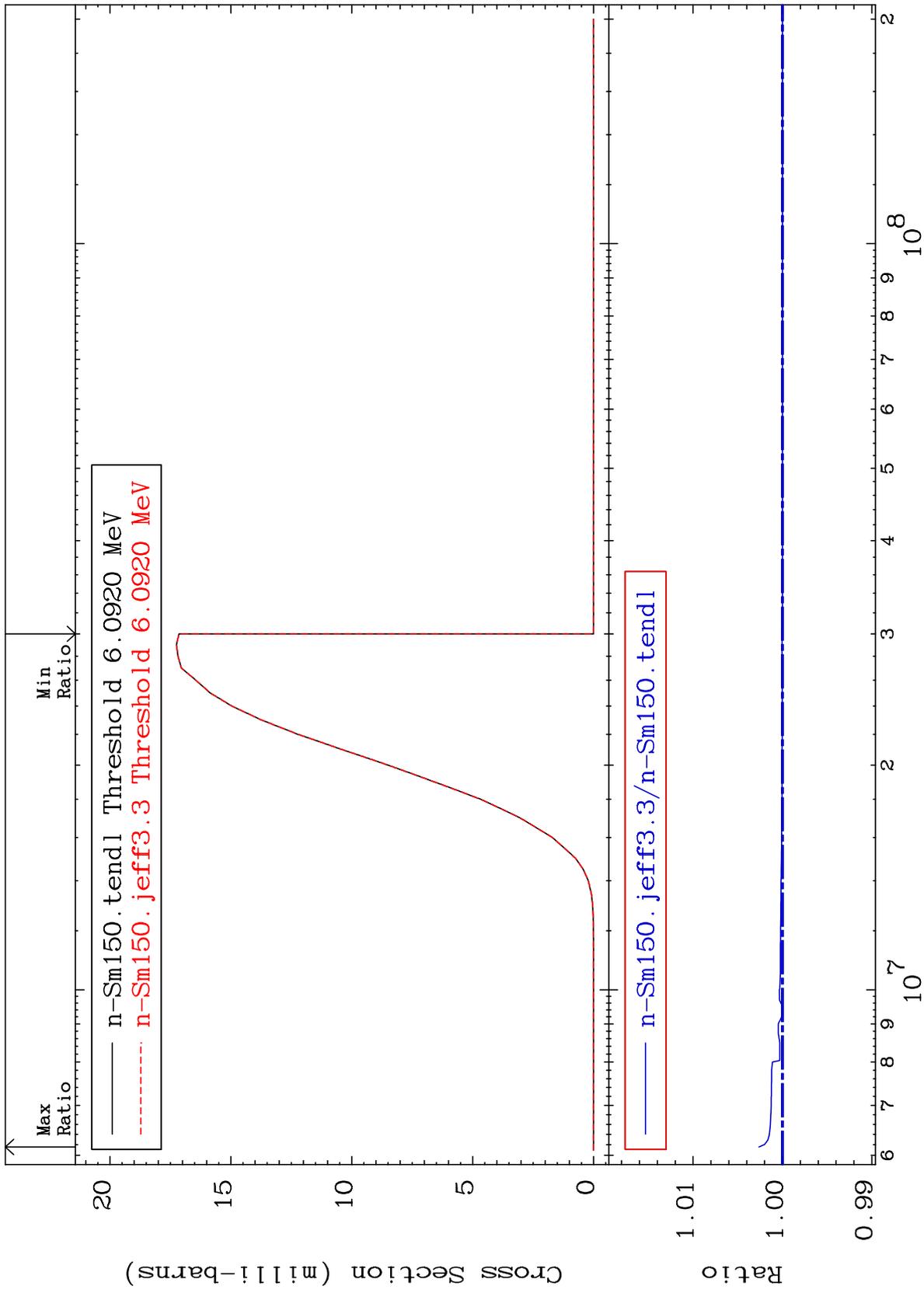
(n, d)

62-Sm-150

Cross Section

0.000

To 0.263 %



26

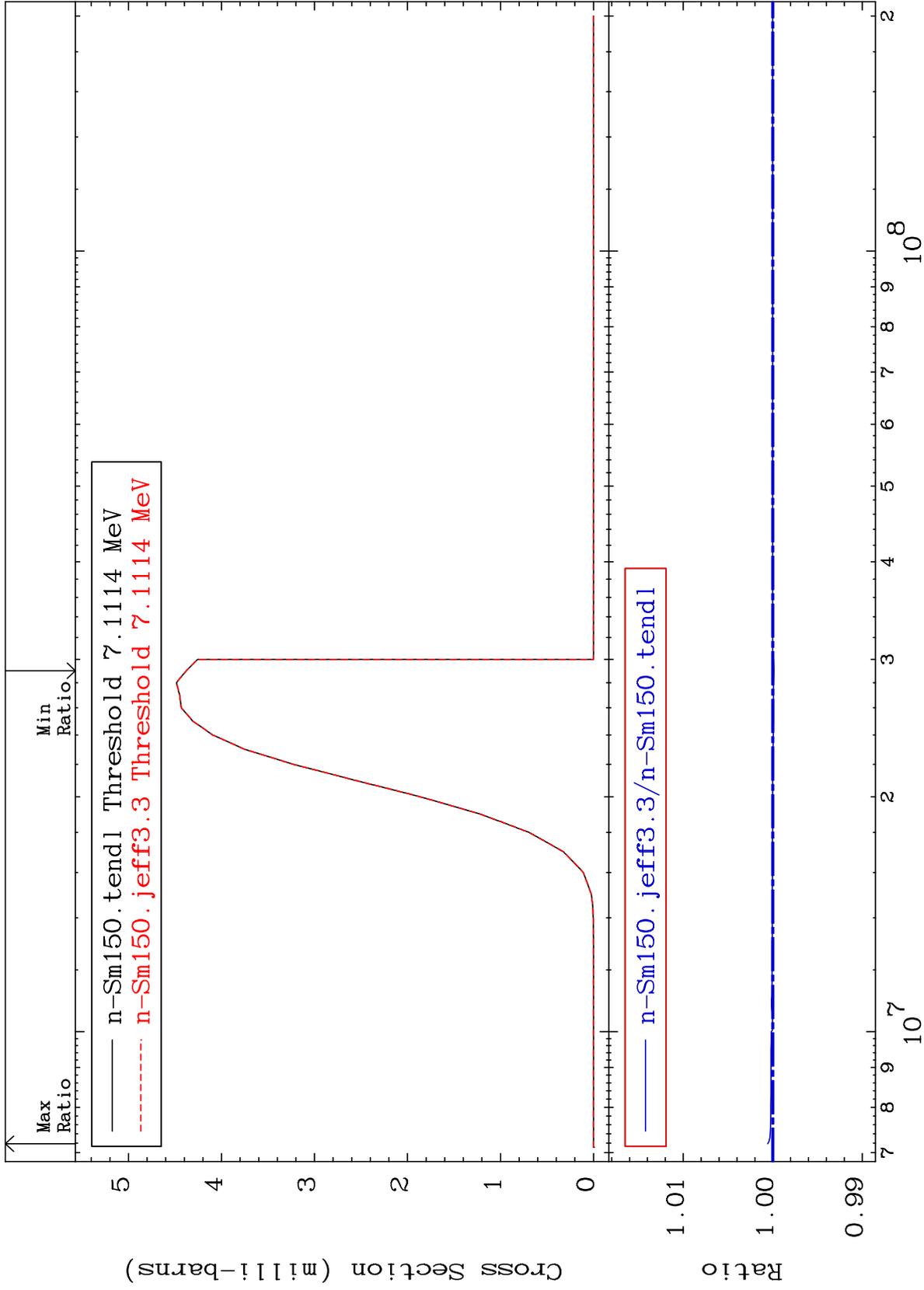
Incident Energy (eV)

62-Sm-150

MAT 6243

62-Sm-150

(n, t)
Cross Section
-0.012 To 0.058 %



27

62-Sm-150

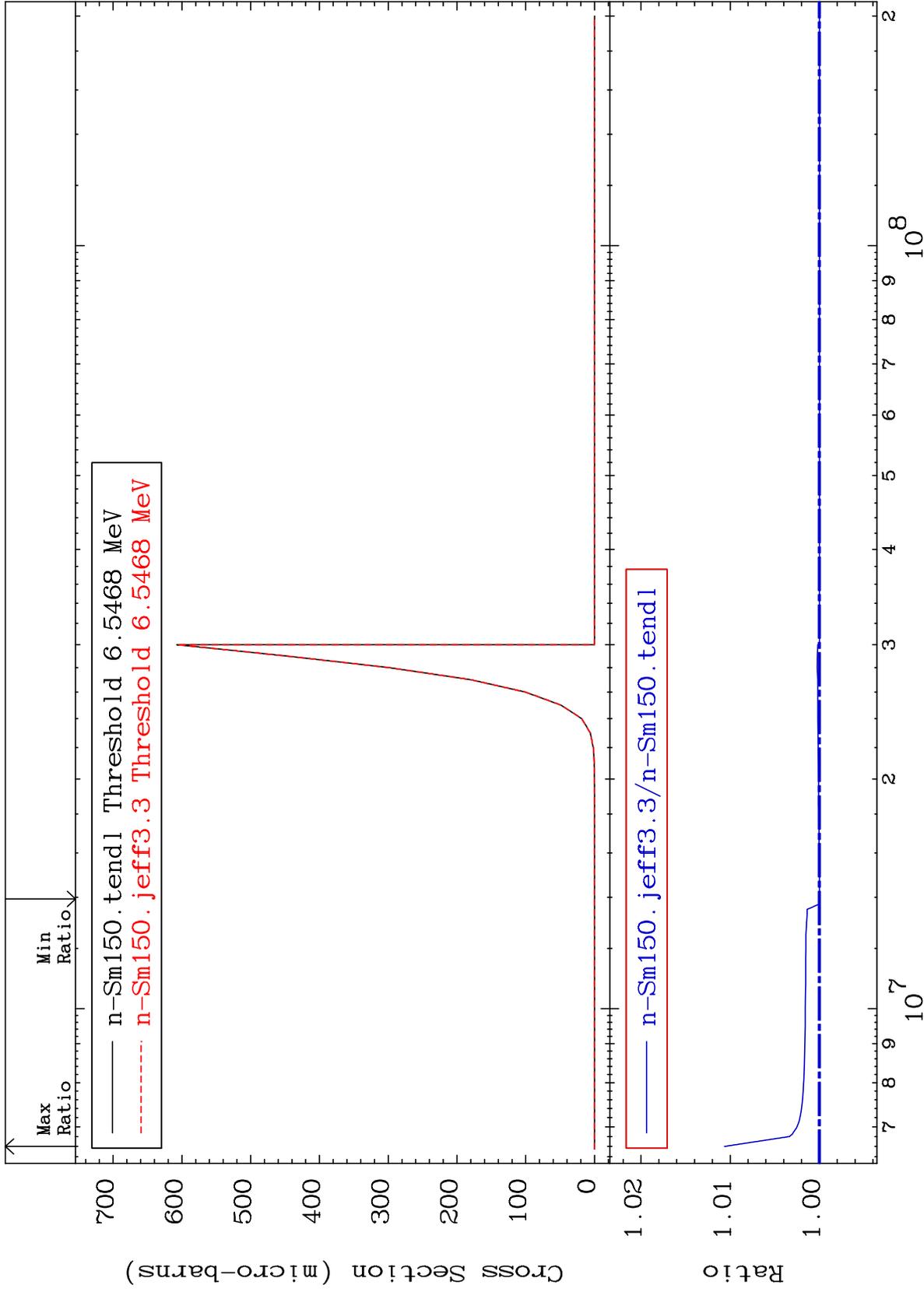
MAT 6243

(n, He-3)

62-Sm-150

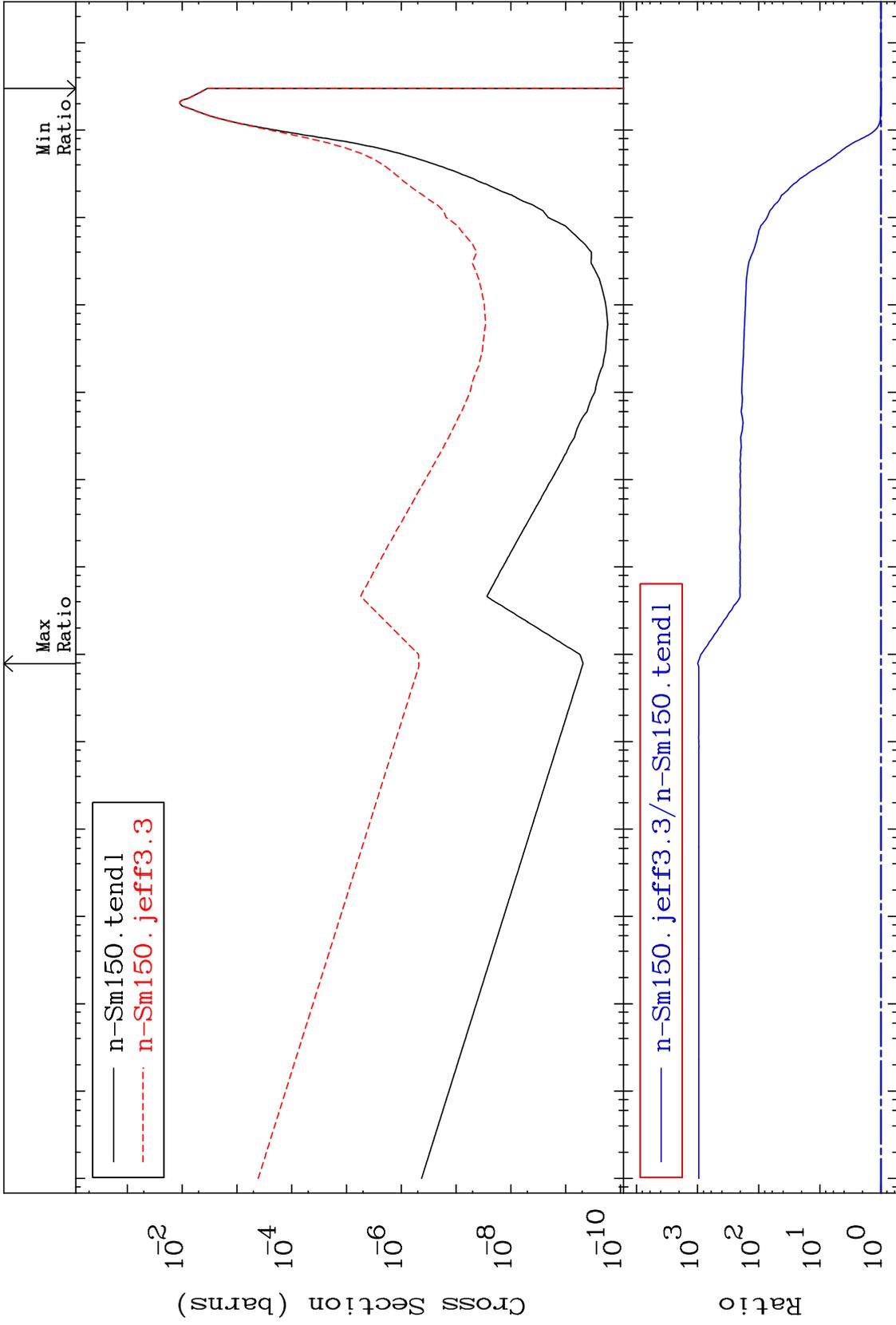
Cross Section

0.000 To 1.064 %



MAT 6243

(n, α)
Cross Section
62-Sm-150
-2.193 To 9999. %



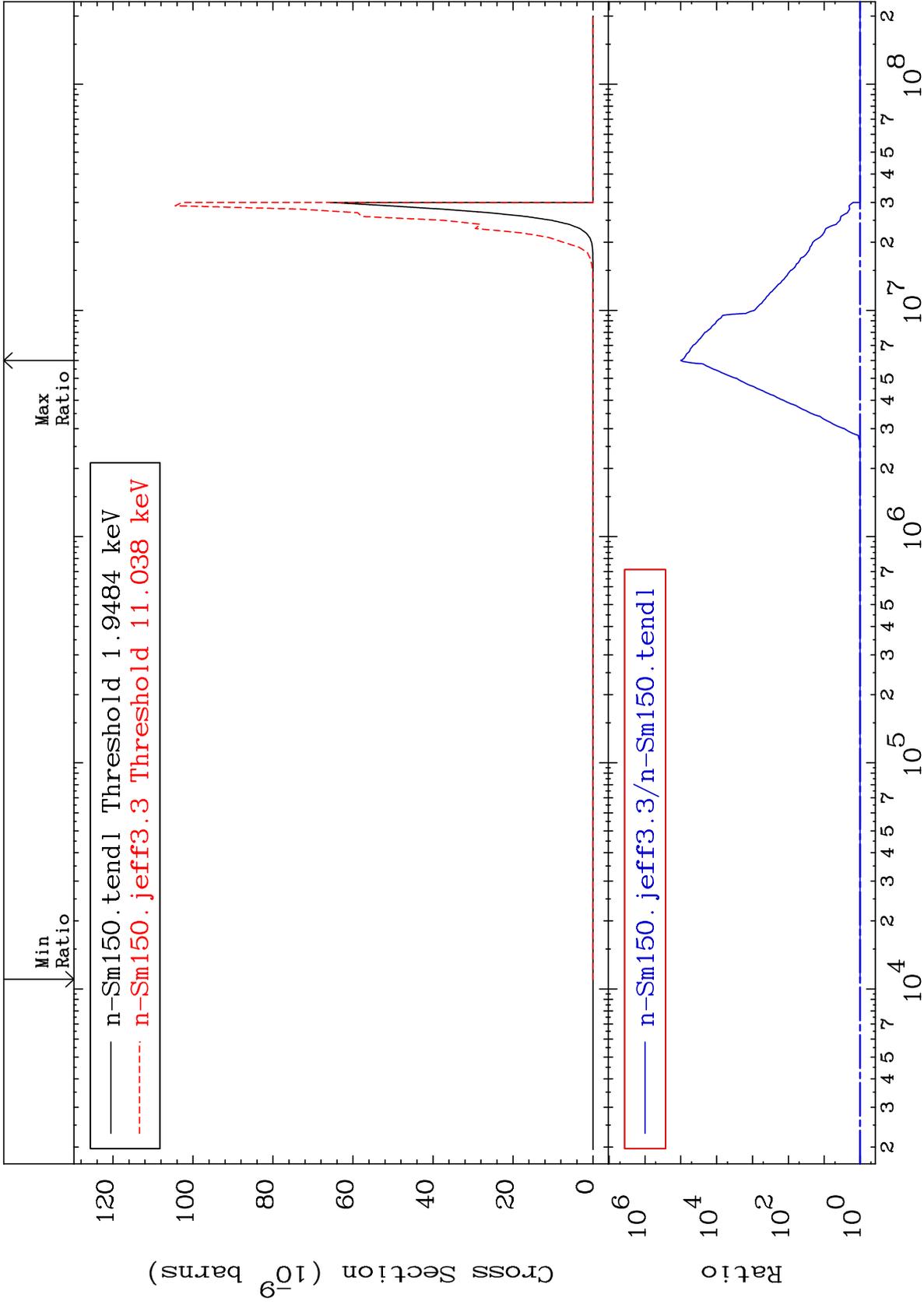
MAT 6243

(n,2α)

62-Sm-150

Cross Section

0.000 To 9999. %



MAT 6243

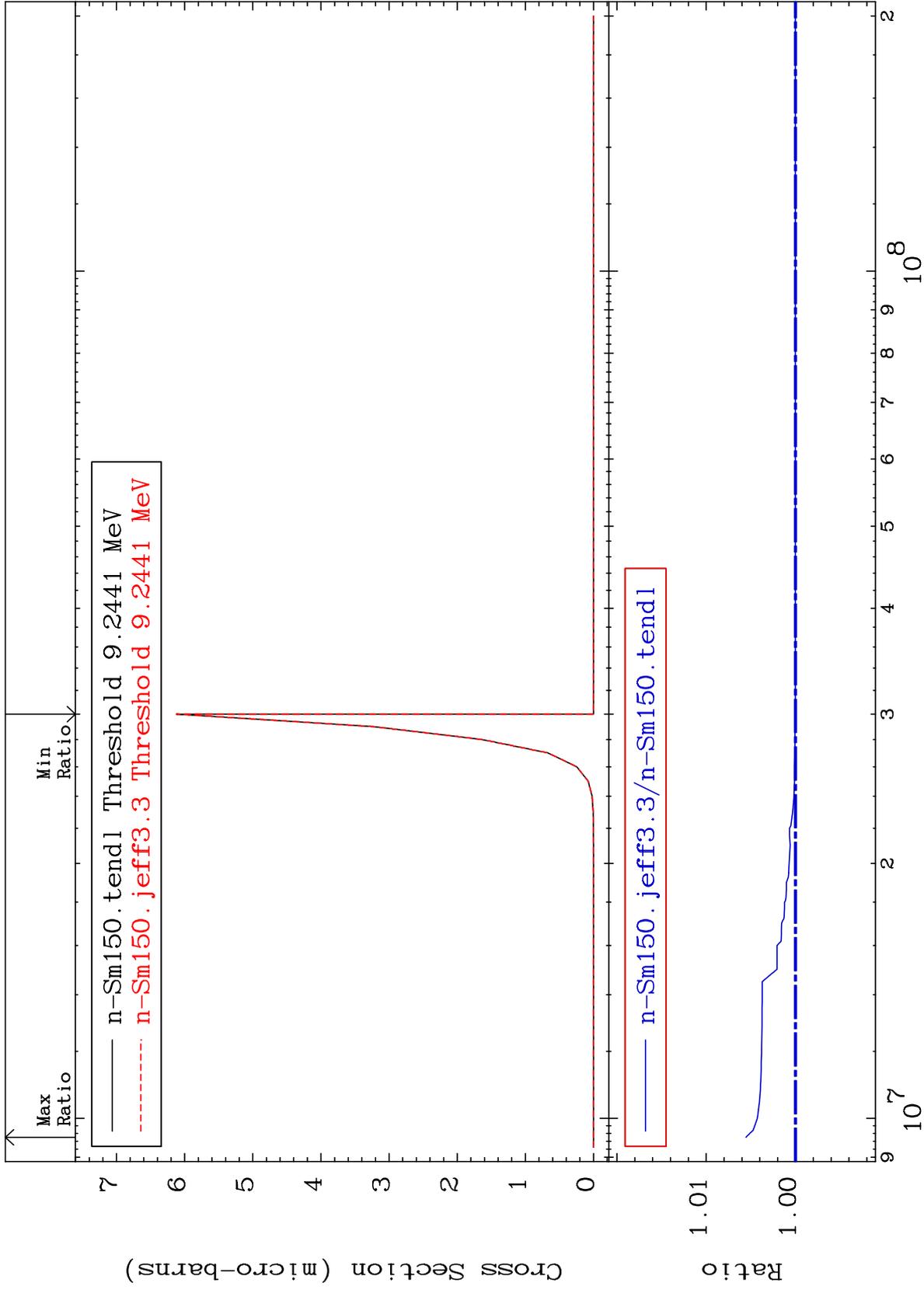
(n,2p)

62-Sm-150

Cross Section

0.000

To 0.555 %



31

Incident Energy (eV)

62-Sm-150

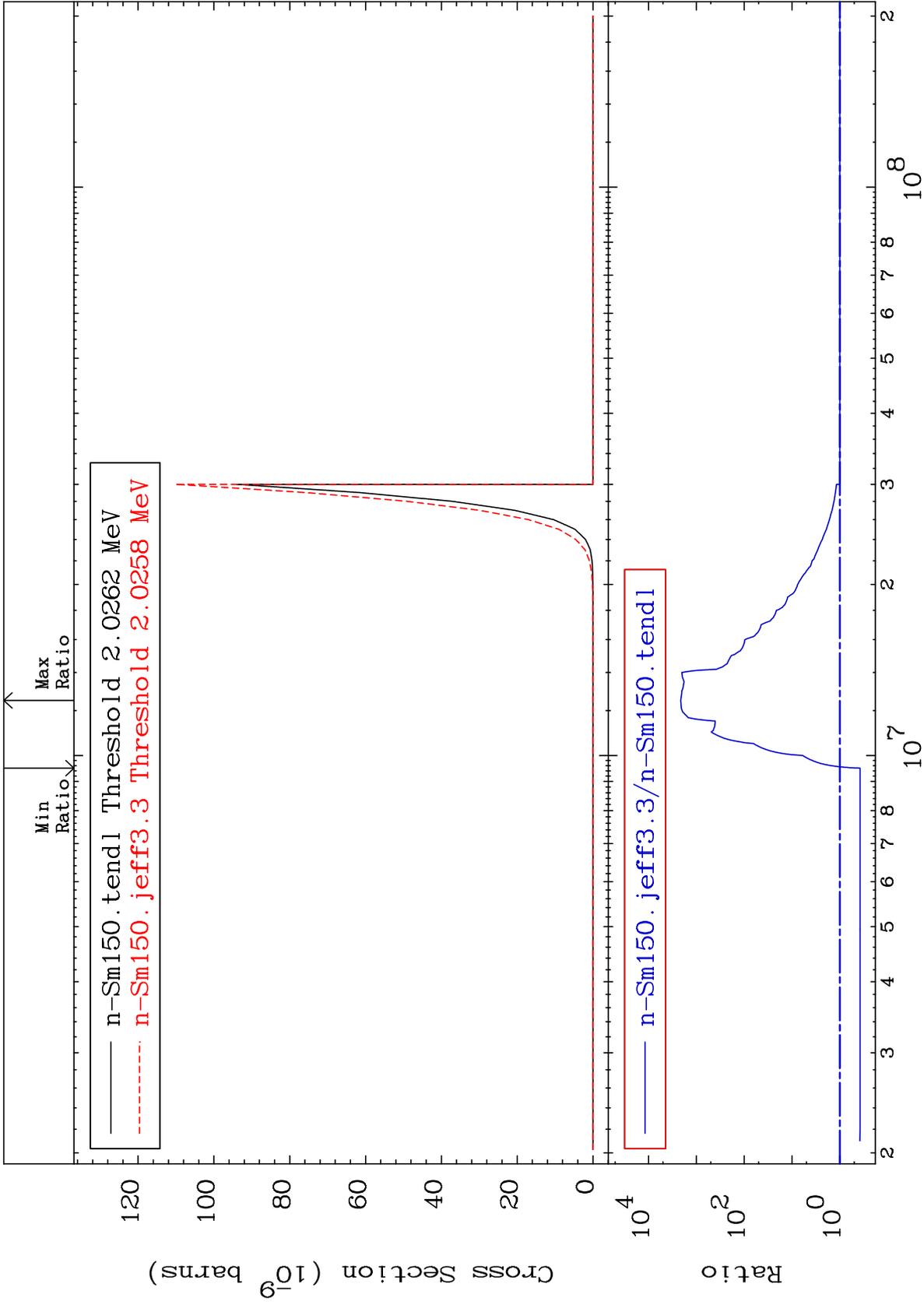
MAT 6243

(n, p) α

62-Sm-150

-62.41 To 9999. %

Cross Section



MAT 6243

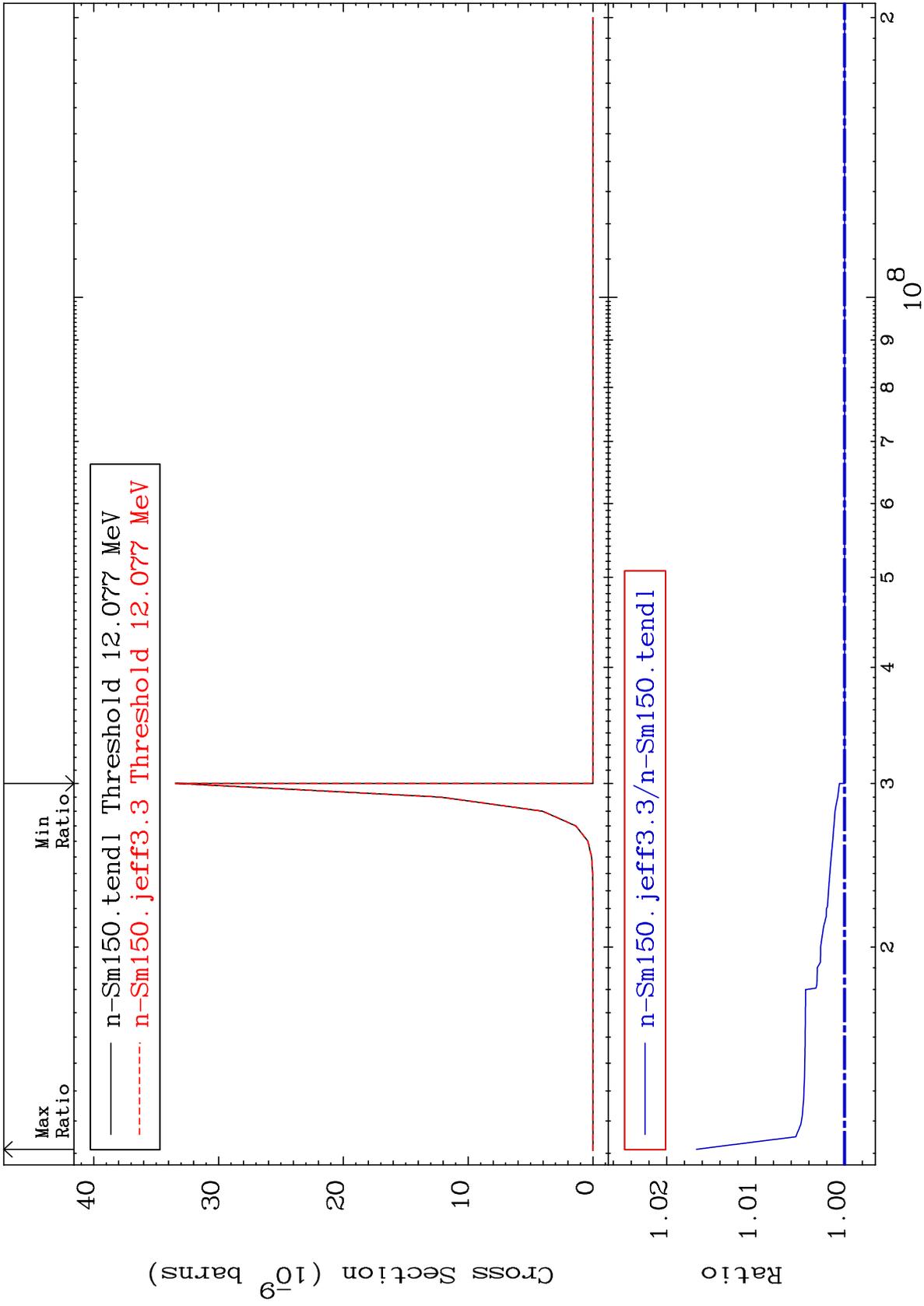
(n, p) d

62-Sm-150

Cross Section

0.000

To 1.668 %



MAT 6243

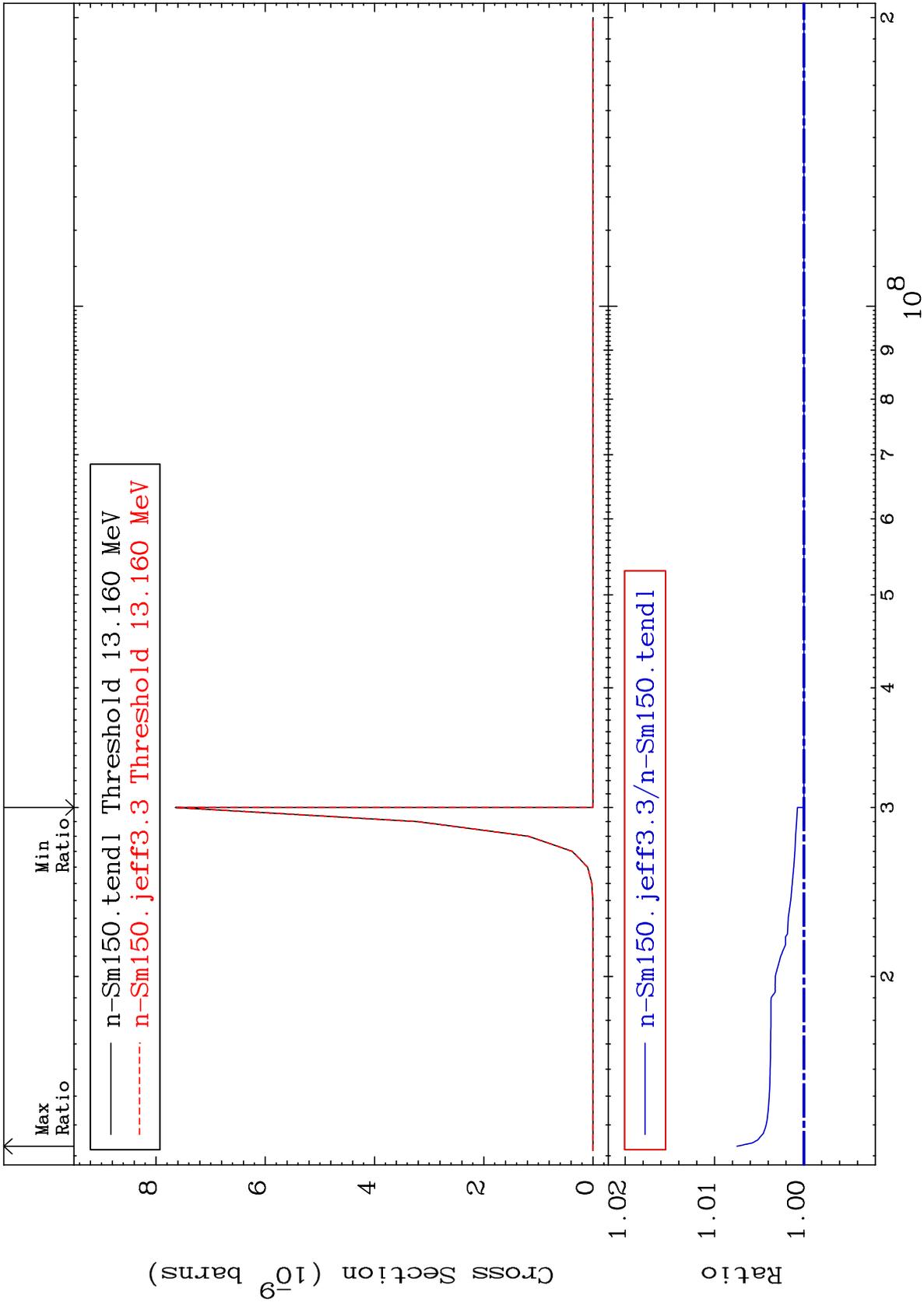
(n, p) t

62-Sm-150

Cross Section

0.000

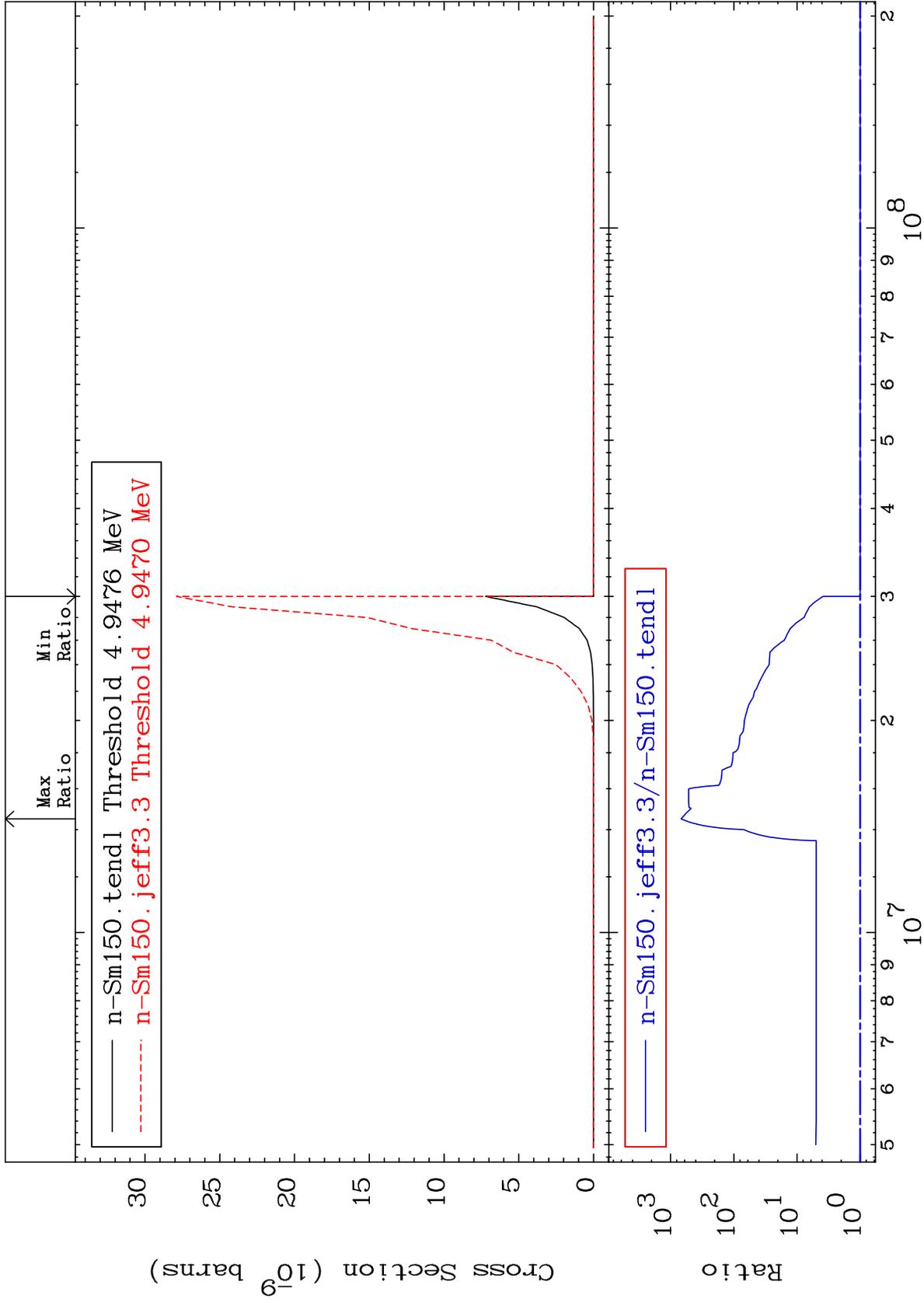
To 0.750 %



MAT 6243

(n, d) α
Cross Section

62-Sm-150
To 9999. %



35

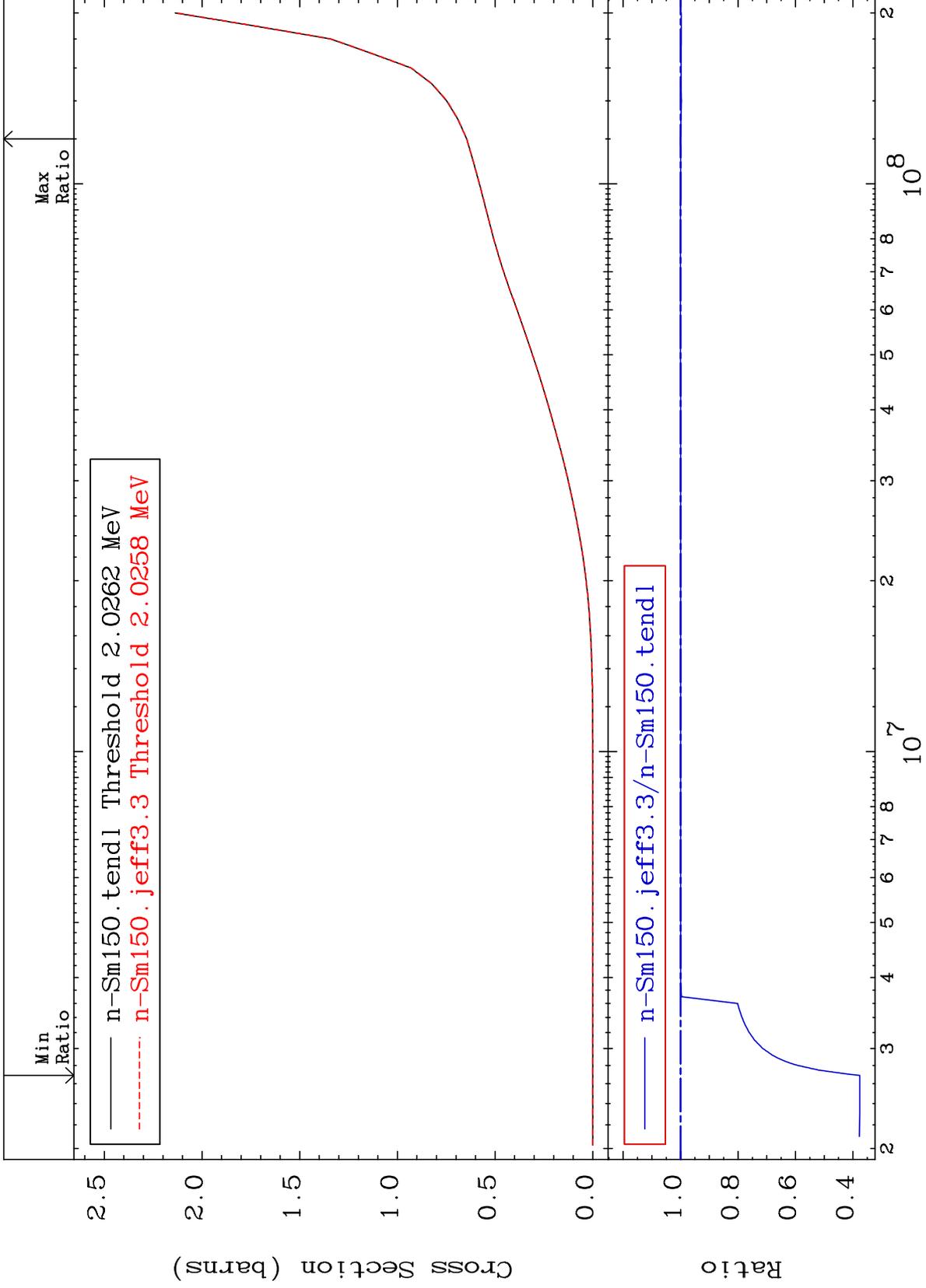
Incident Energy (eV)

62-Sm-150

MAT 6243

Hydrogen Production Cross Section

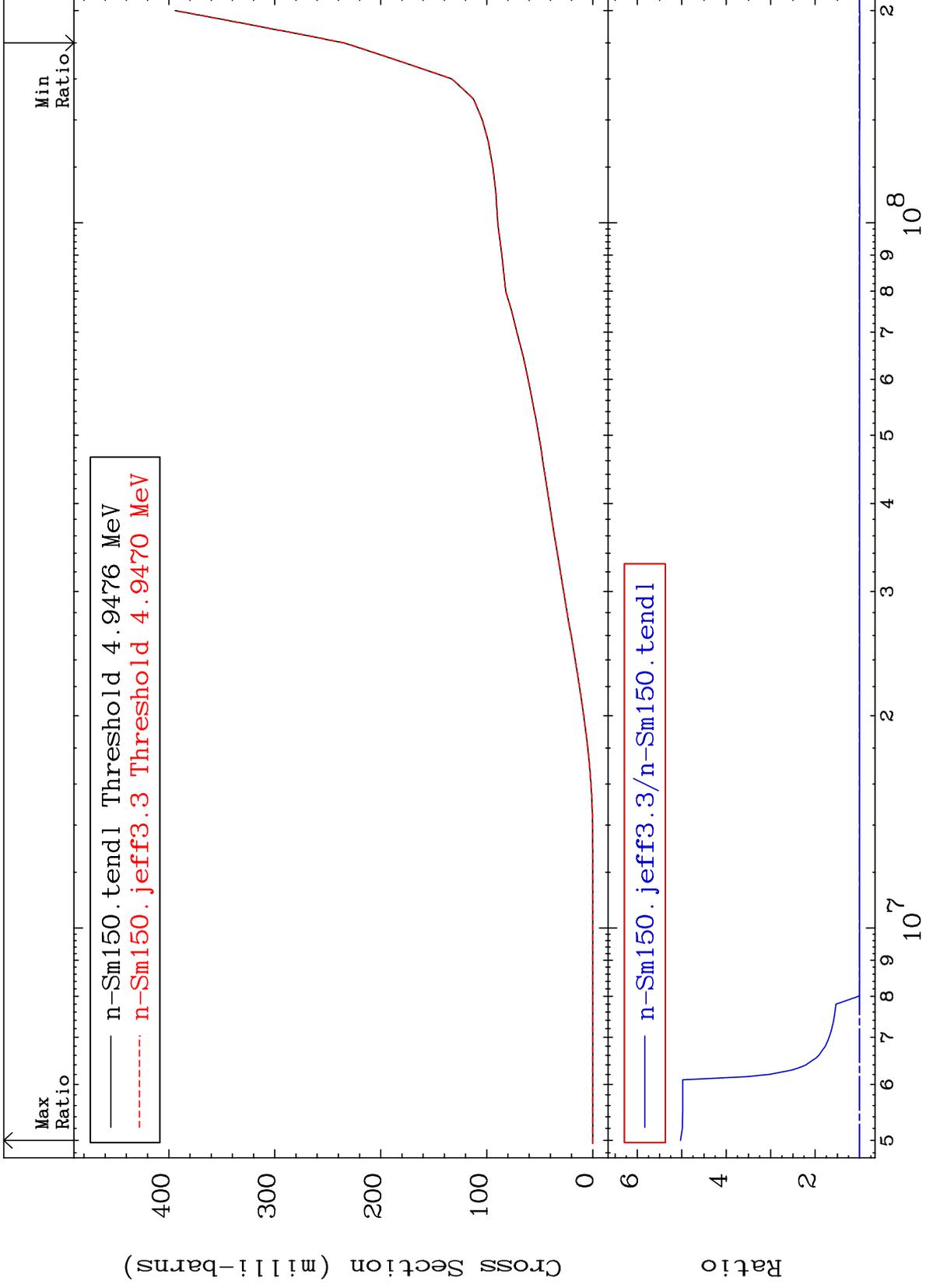
62-Sm-150
-62.39 To 0.029 %



MAT 6243

Deuterium Production
Cross Section

62-Sm-150
-0.258 To 402.9 %



37

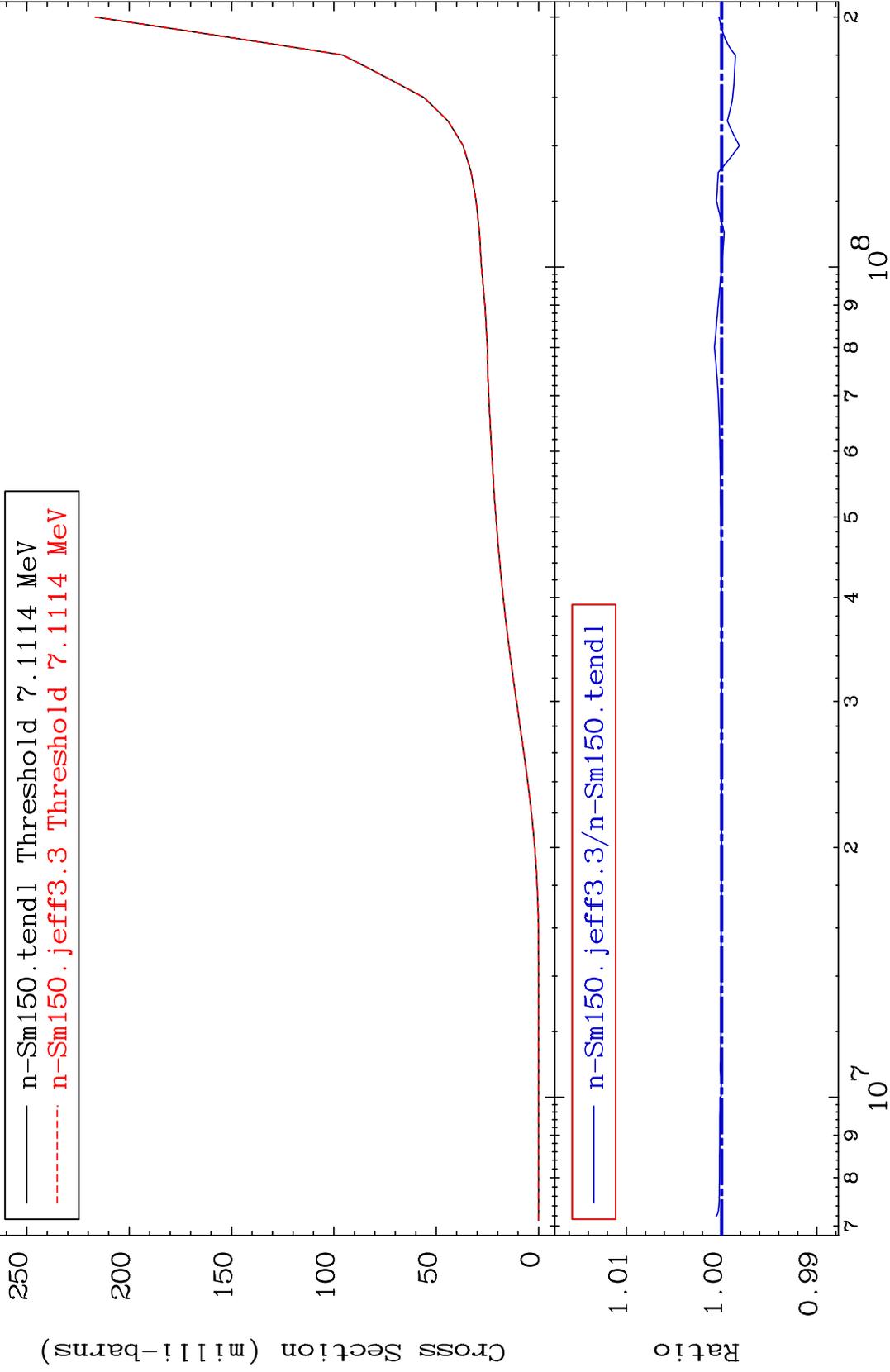
Incident Energy (eV)

62-Sm-150

MAT 6243

Tritium Production
Cross Section

62-Sm-150
-0.188 To 0.074 %



38

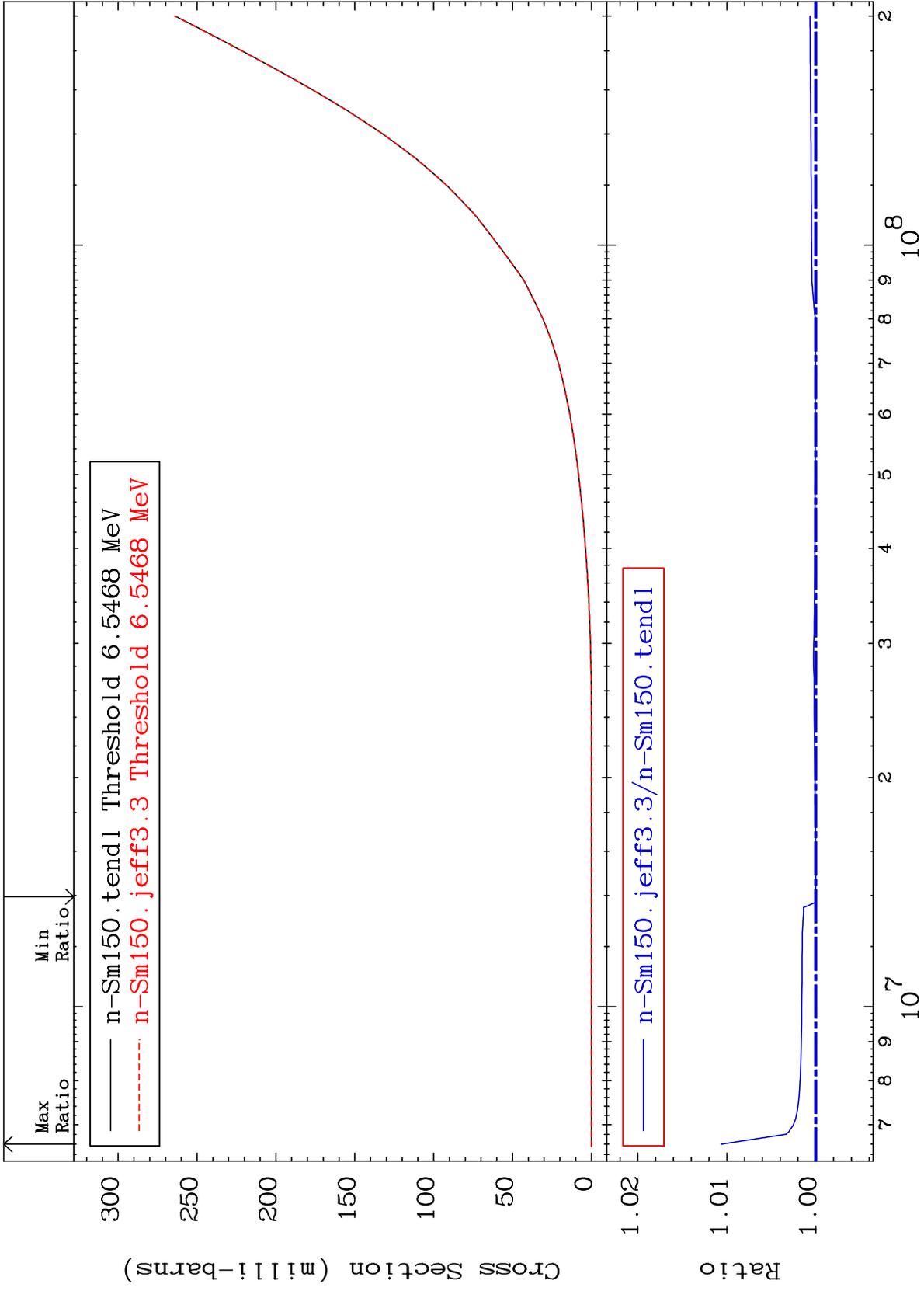
Incident Energy (eV)

62-Sm-150

MAT 6243

He-3 Production
Cross Section

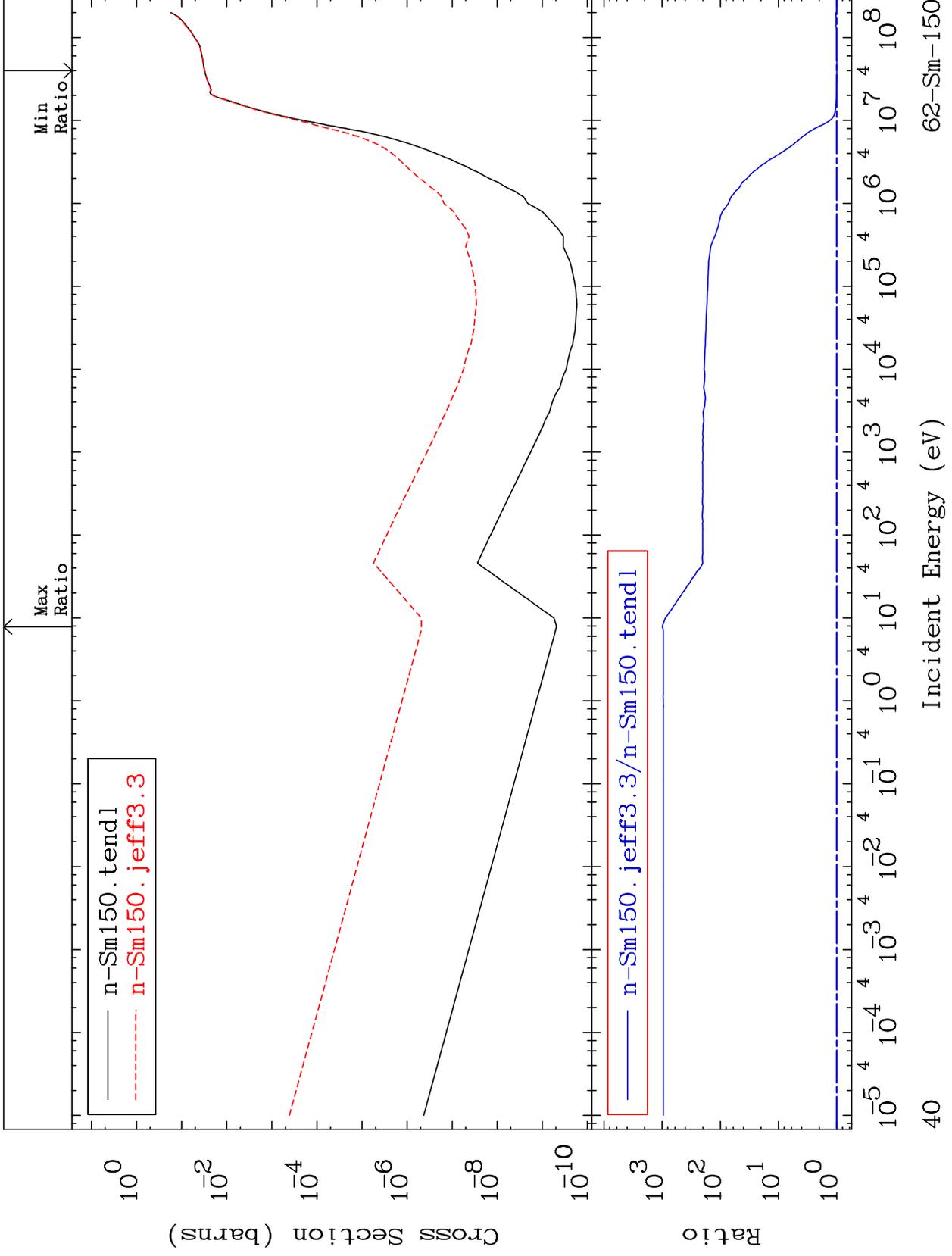
62-Sm-150
To 1.064 %



MAT 6243

He-4 Production
Cross Section

62-Sm-150
-0.181 To 9999. %



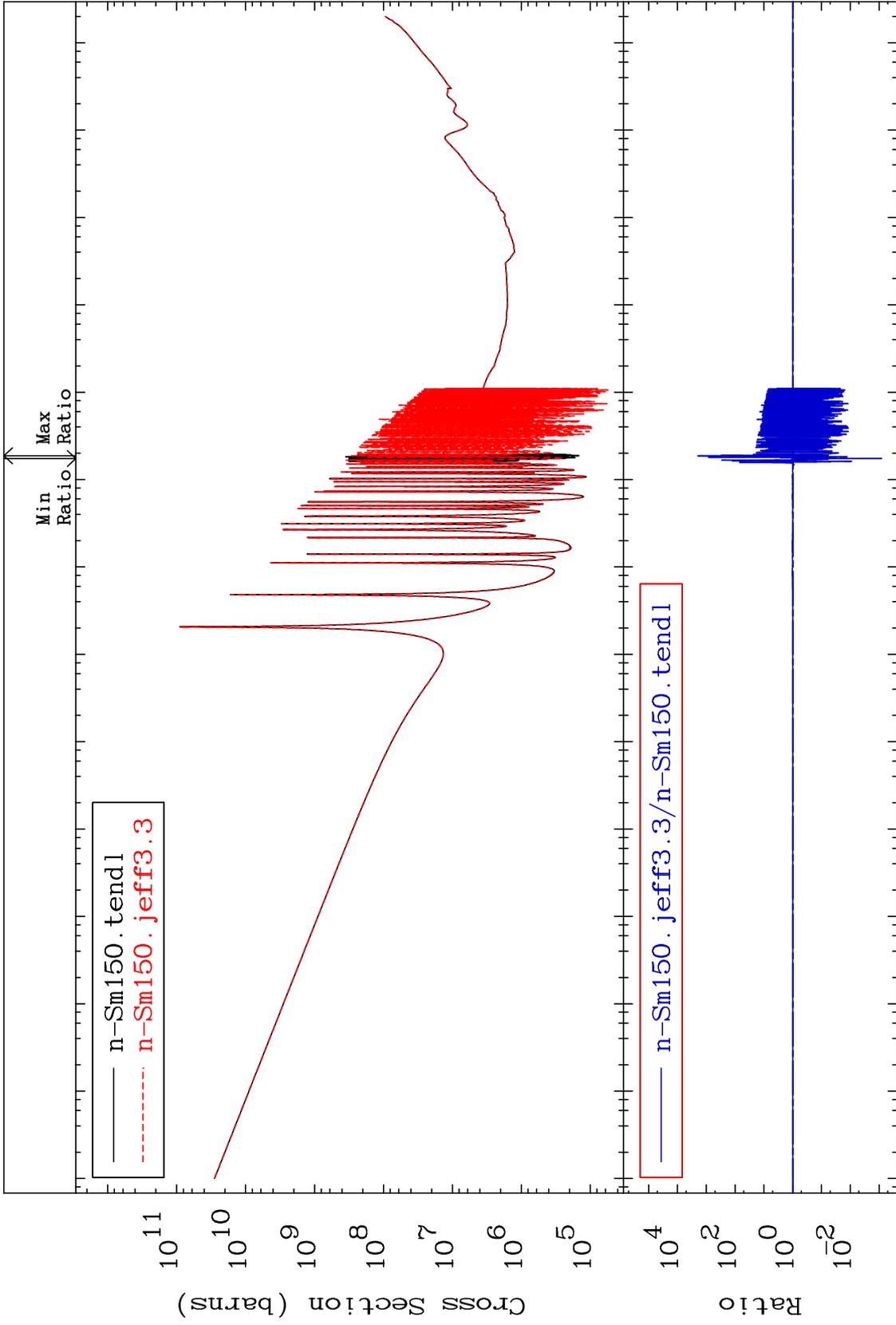
40

Incident Energy (eV)

62-Sm-150

Cross Section

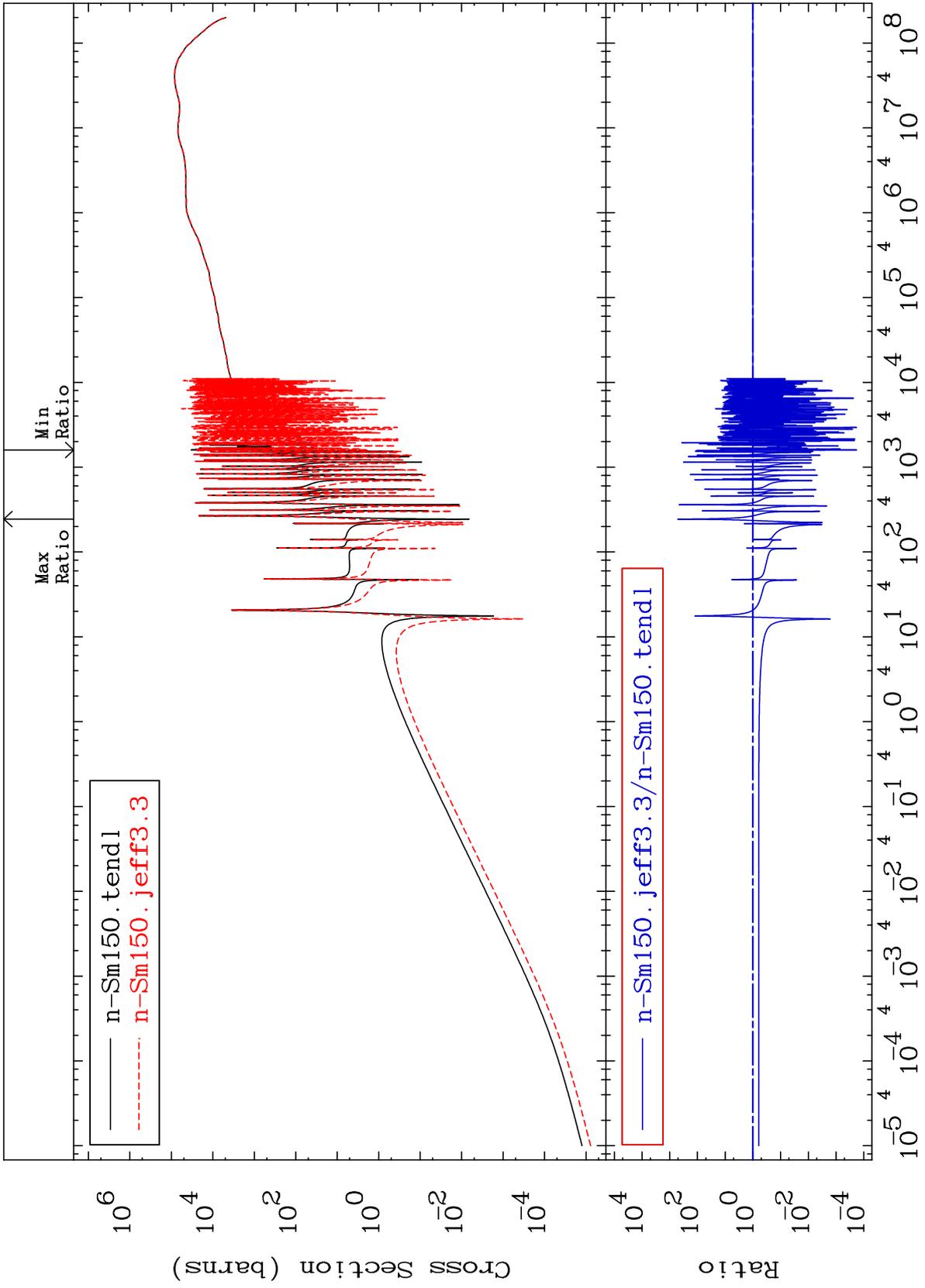
-99.92 To 9999. %

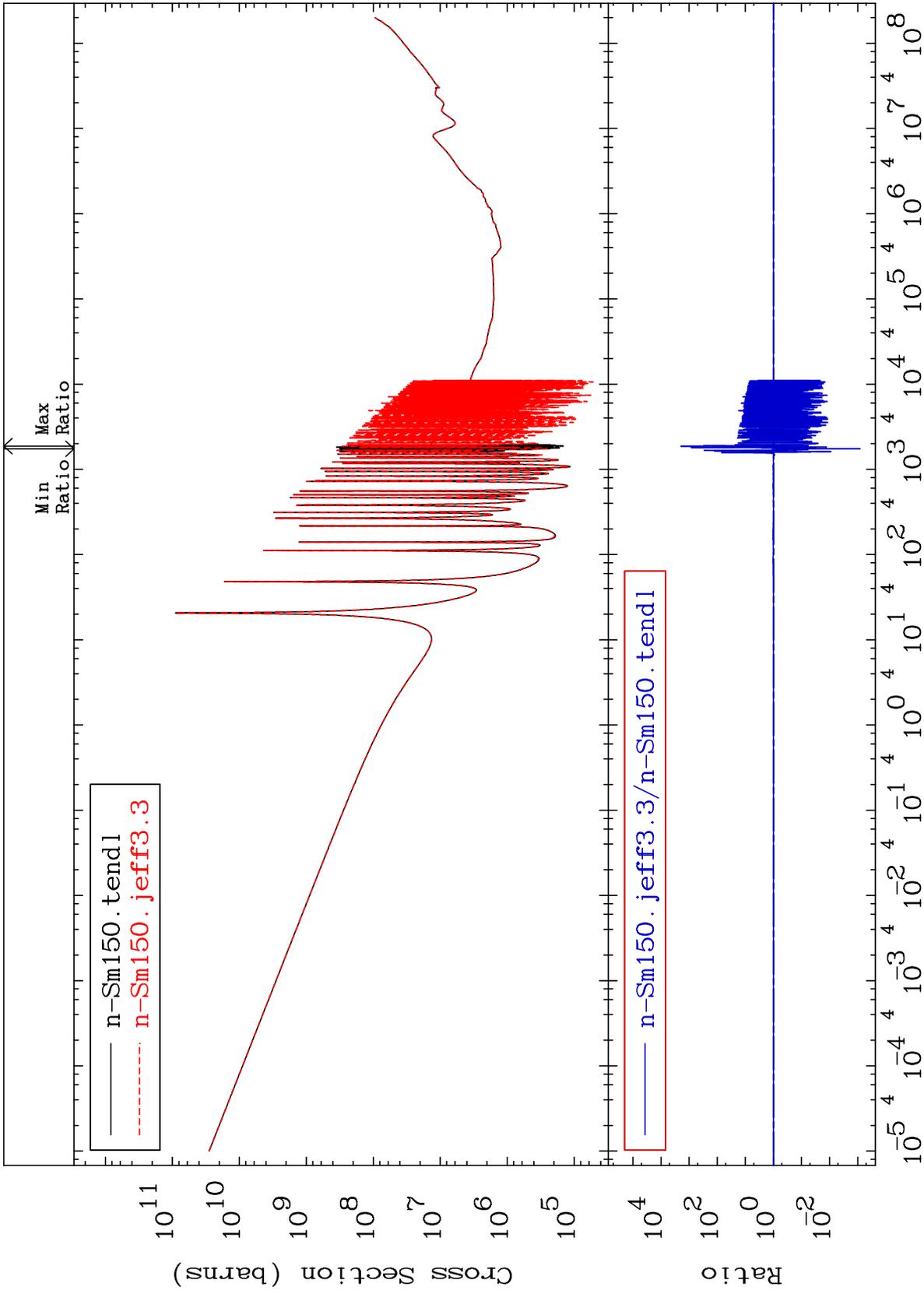


MAT 6243

Kerma elastic
Cross Section

62-Sm-150
-99.98 To 9999. %

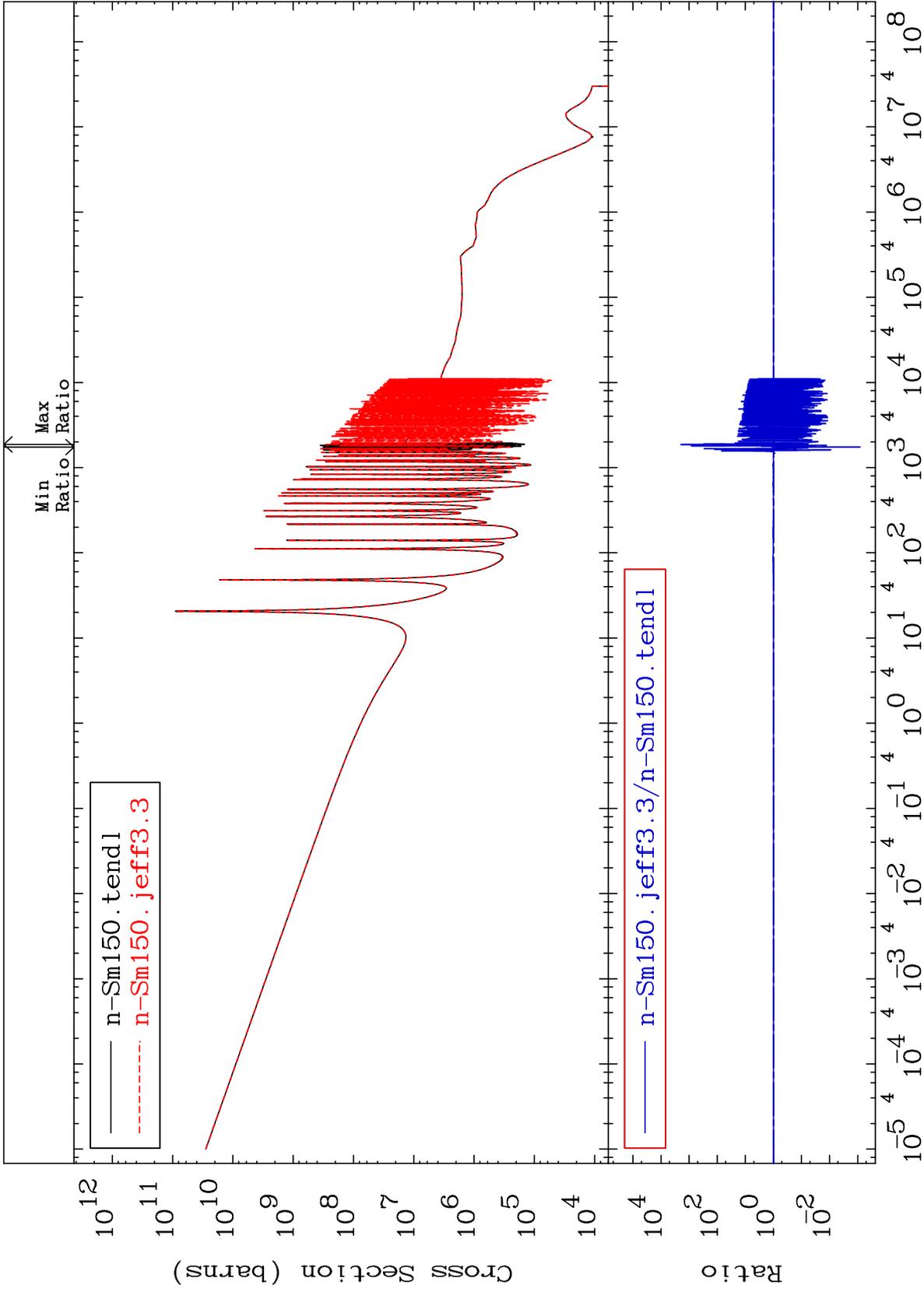




MAT 6243

Kerma capture (mt102)
Cross Section

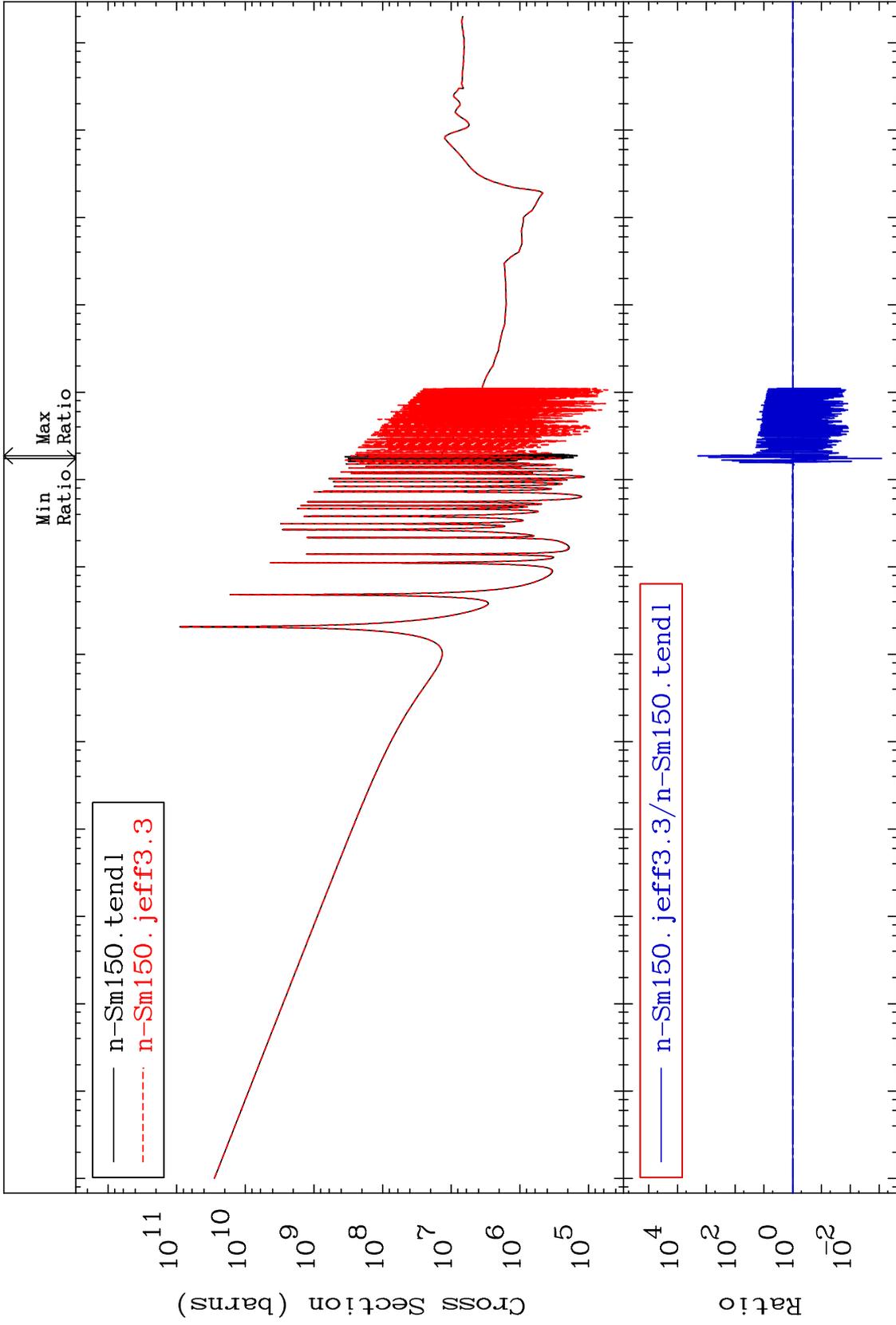
62-Sm-150
-99.92 To 9999. %

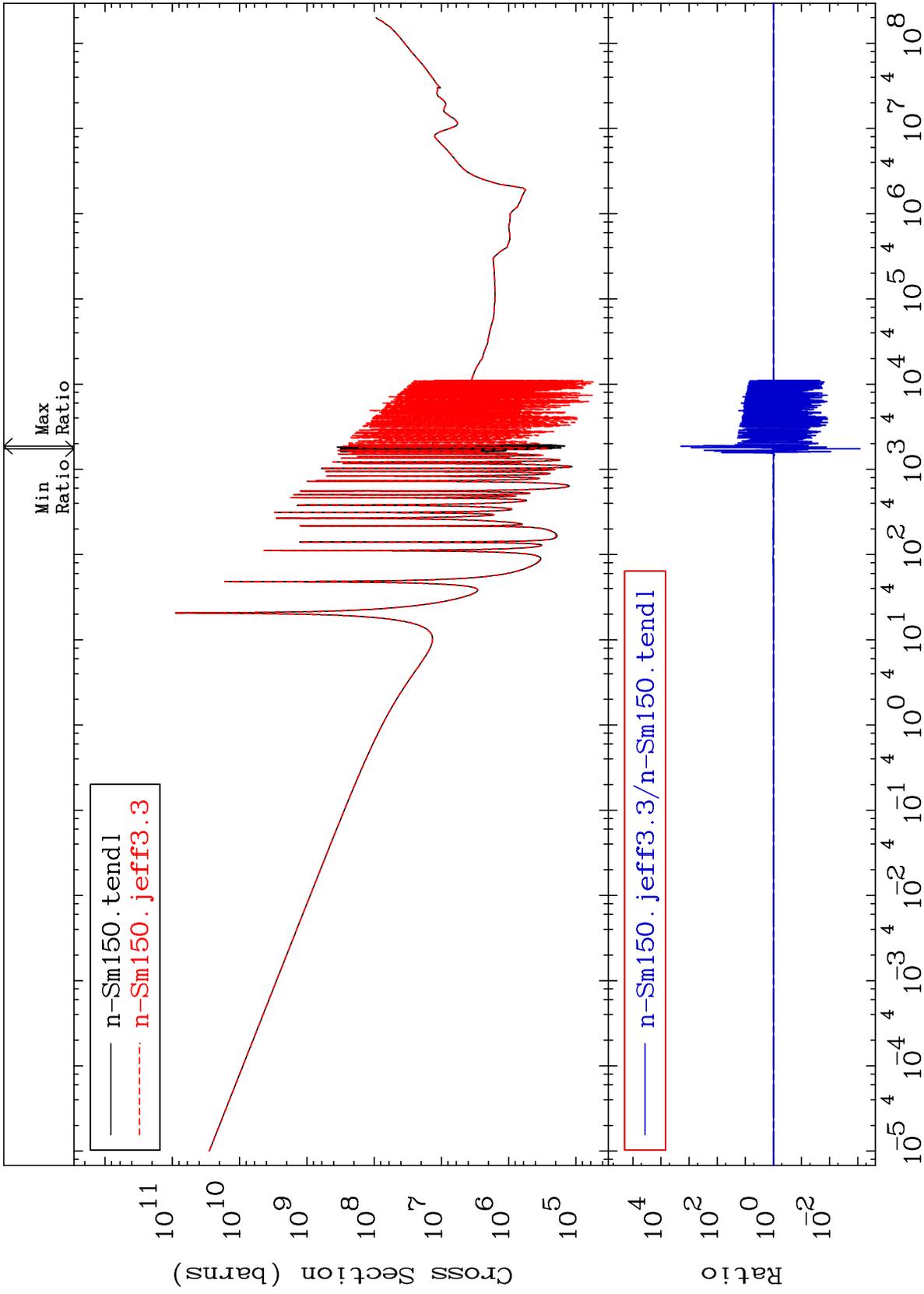


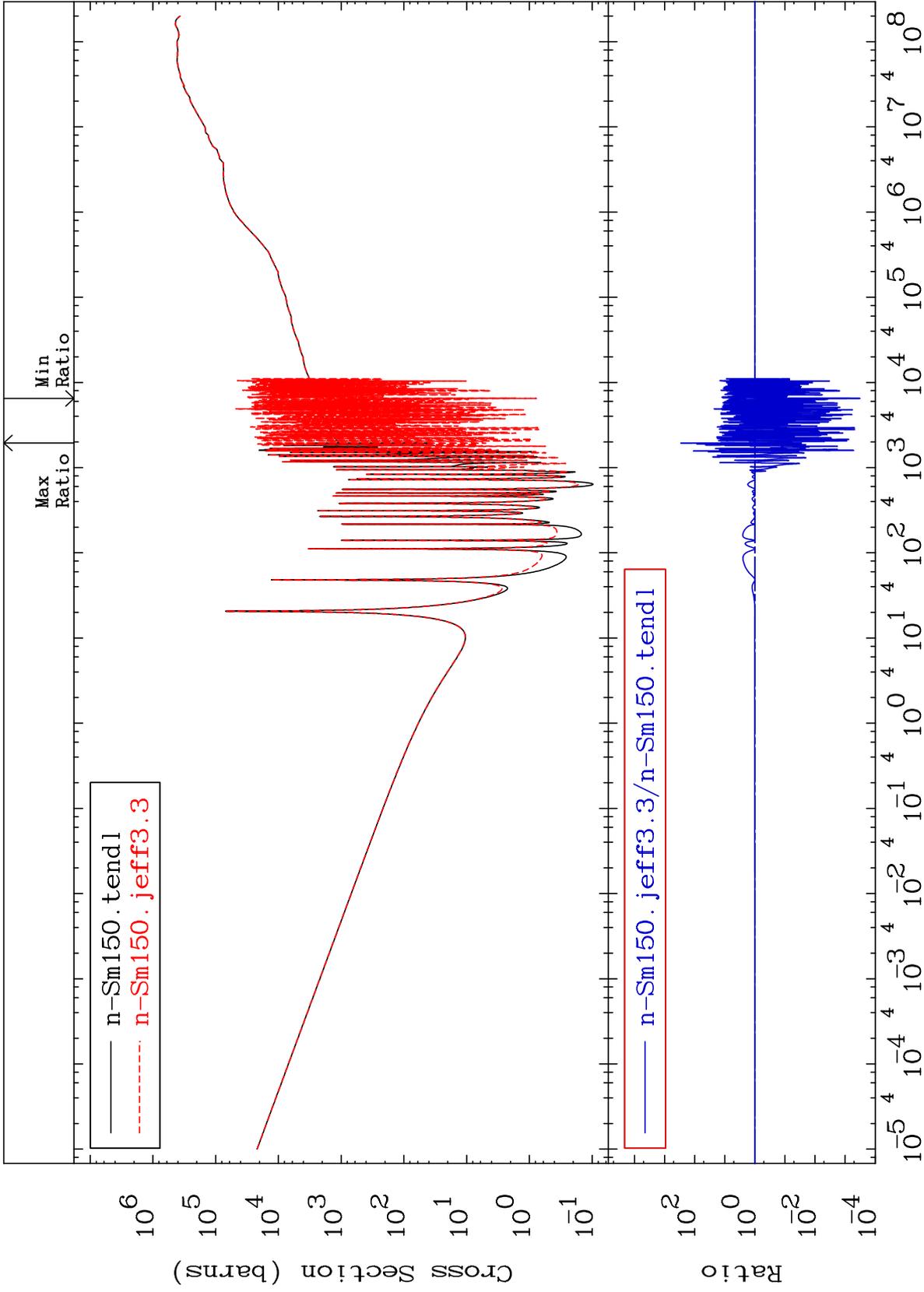
MAT 6243

Total photon (eV-barns)
Cross Section

62-Sm-150
-99.92 To 9999. %



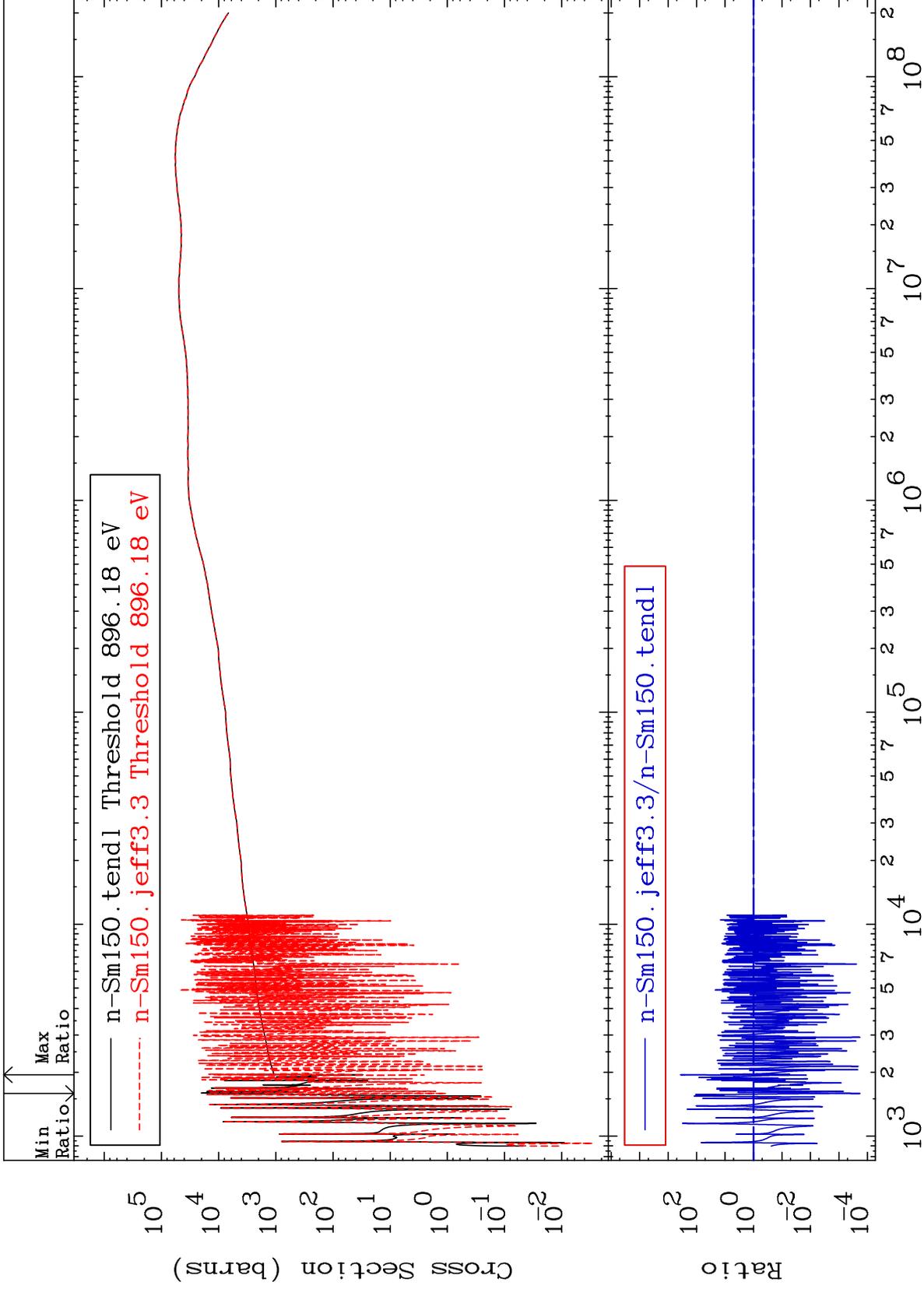




MAT 6243

Dpa elastic (mt2)
Cross Section

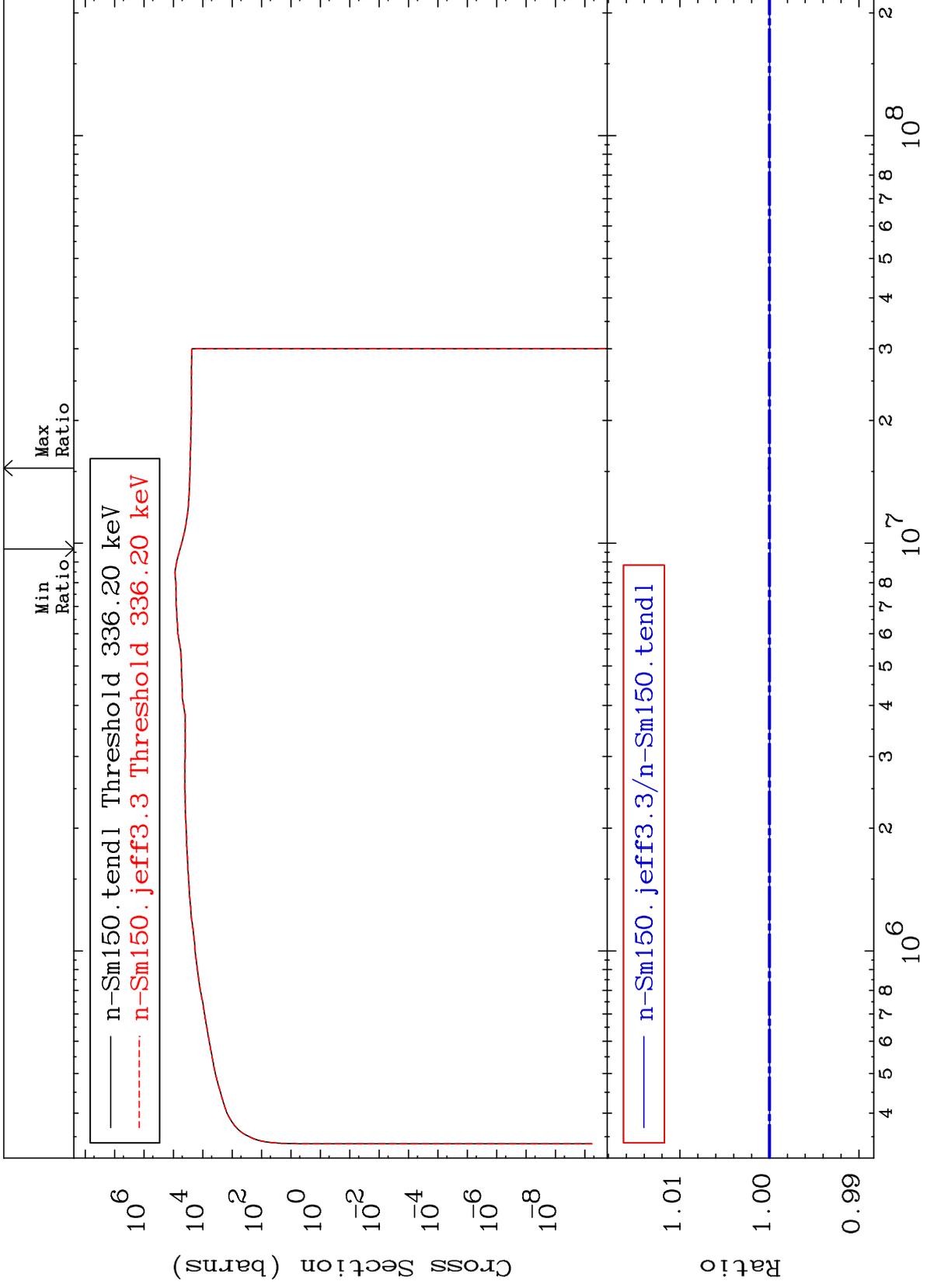
62-Sm-150
-99.98 To 9999. %

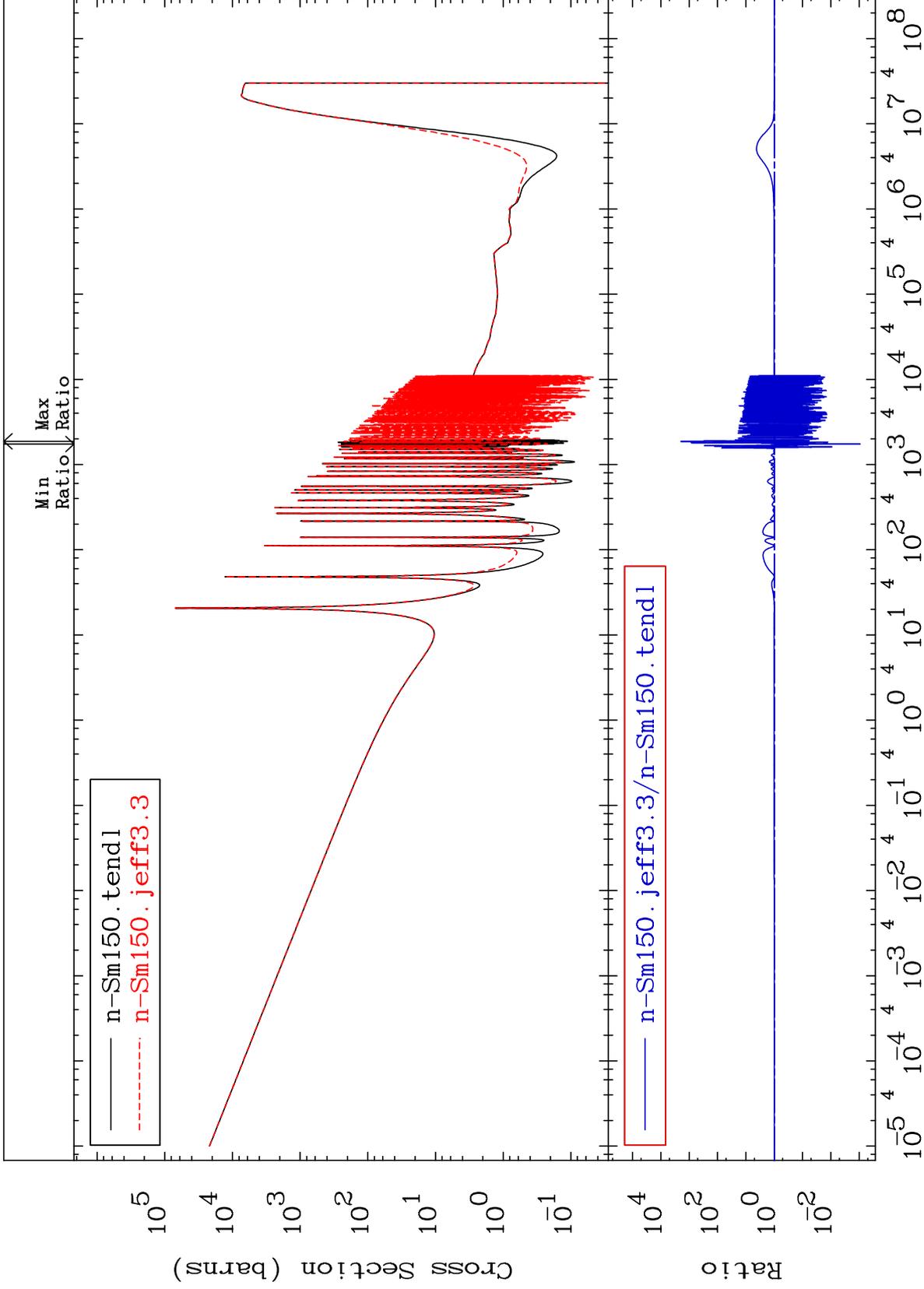


MAT 6243

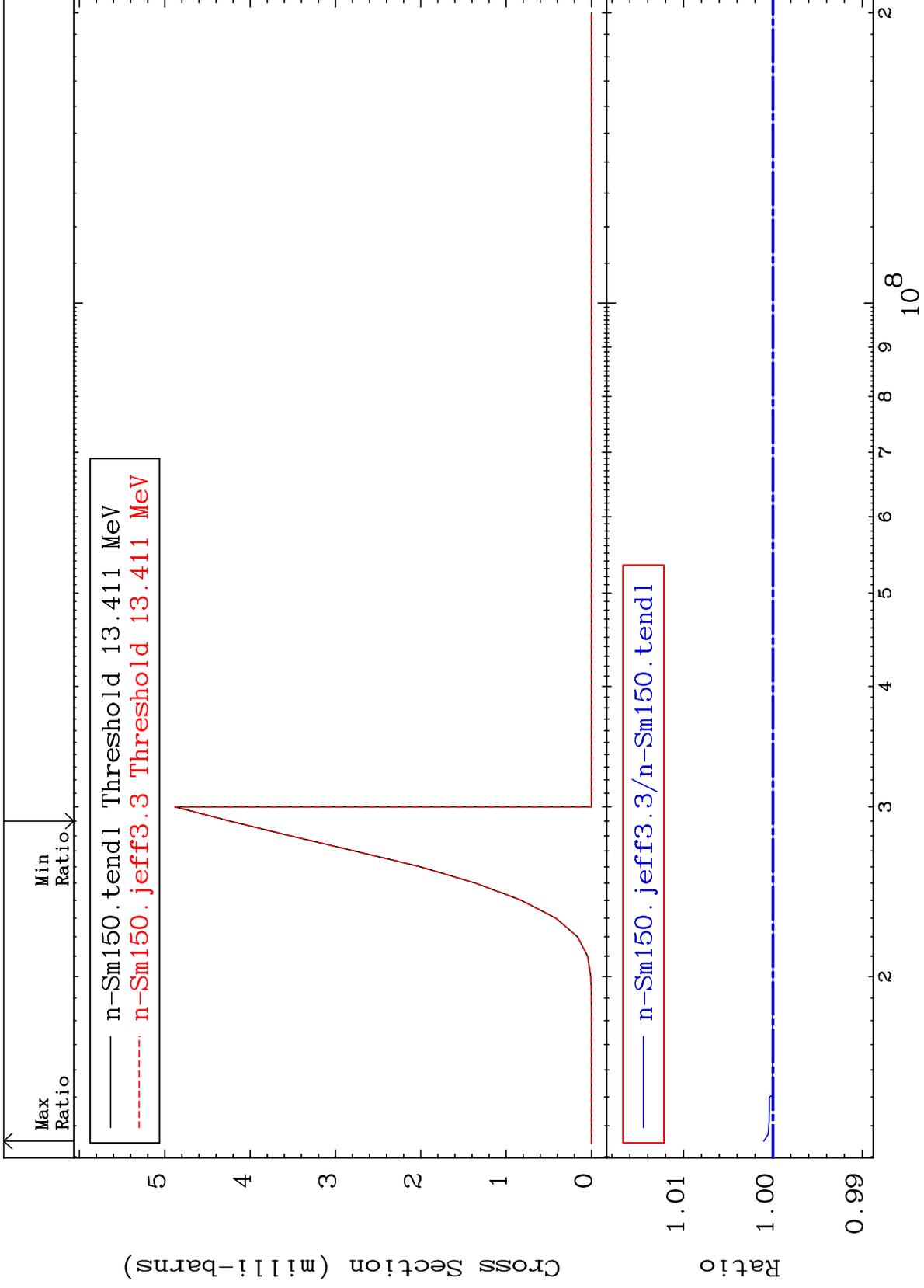
Dpa inelastic (mt51-91)
Cross Section

62-Sm-150
-0.006 To 0.016 %





Radionuclide Production Cross Section -0.003 To 0.103 %

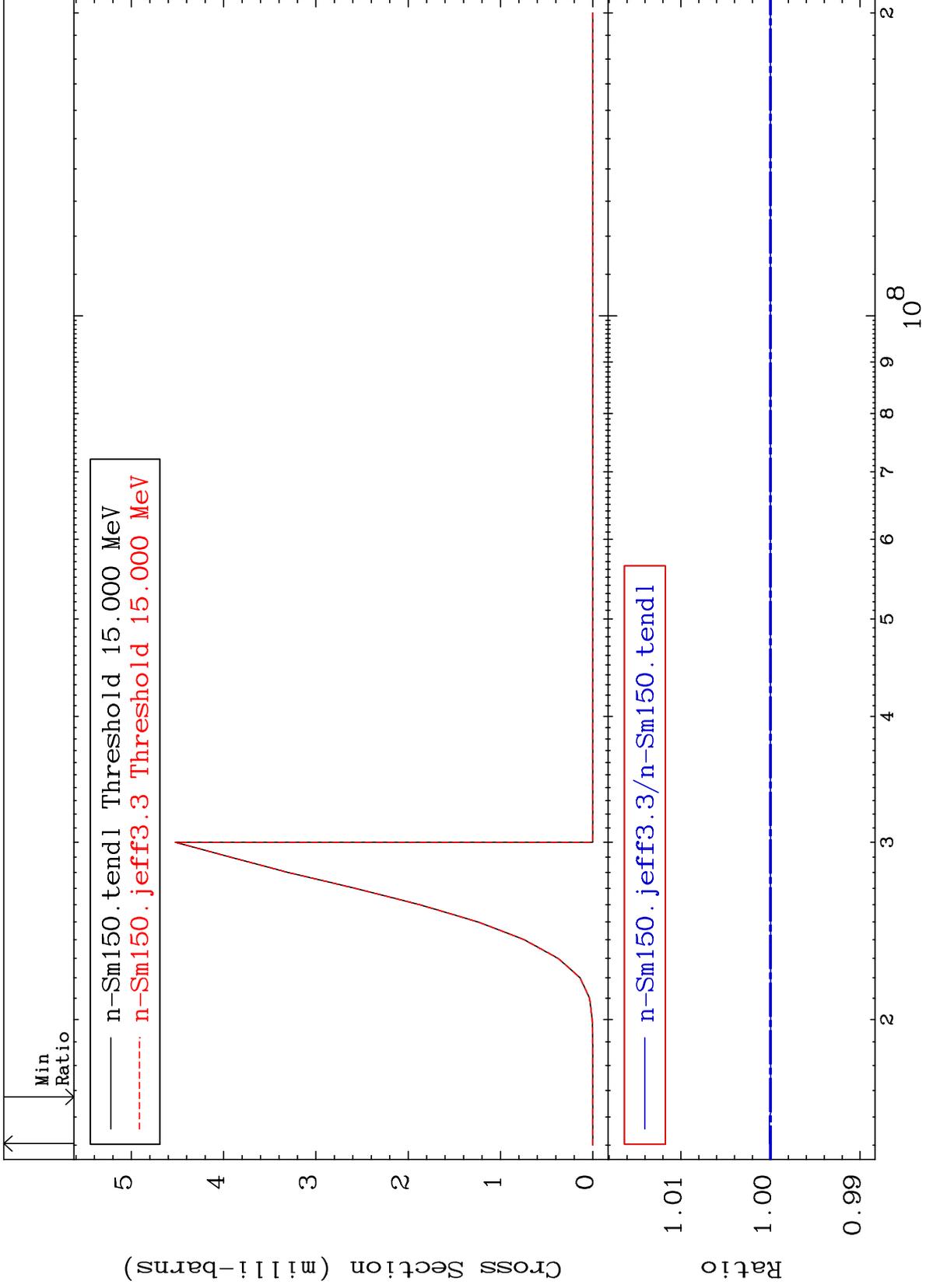


MAT 6243

(n, n') d:61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section -0.005 To 0.012 %

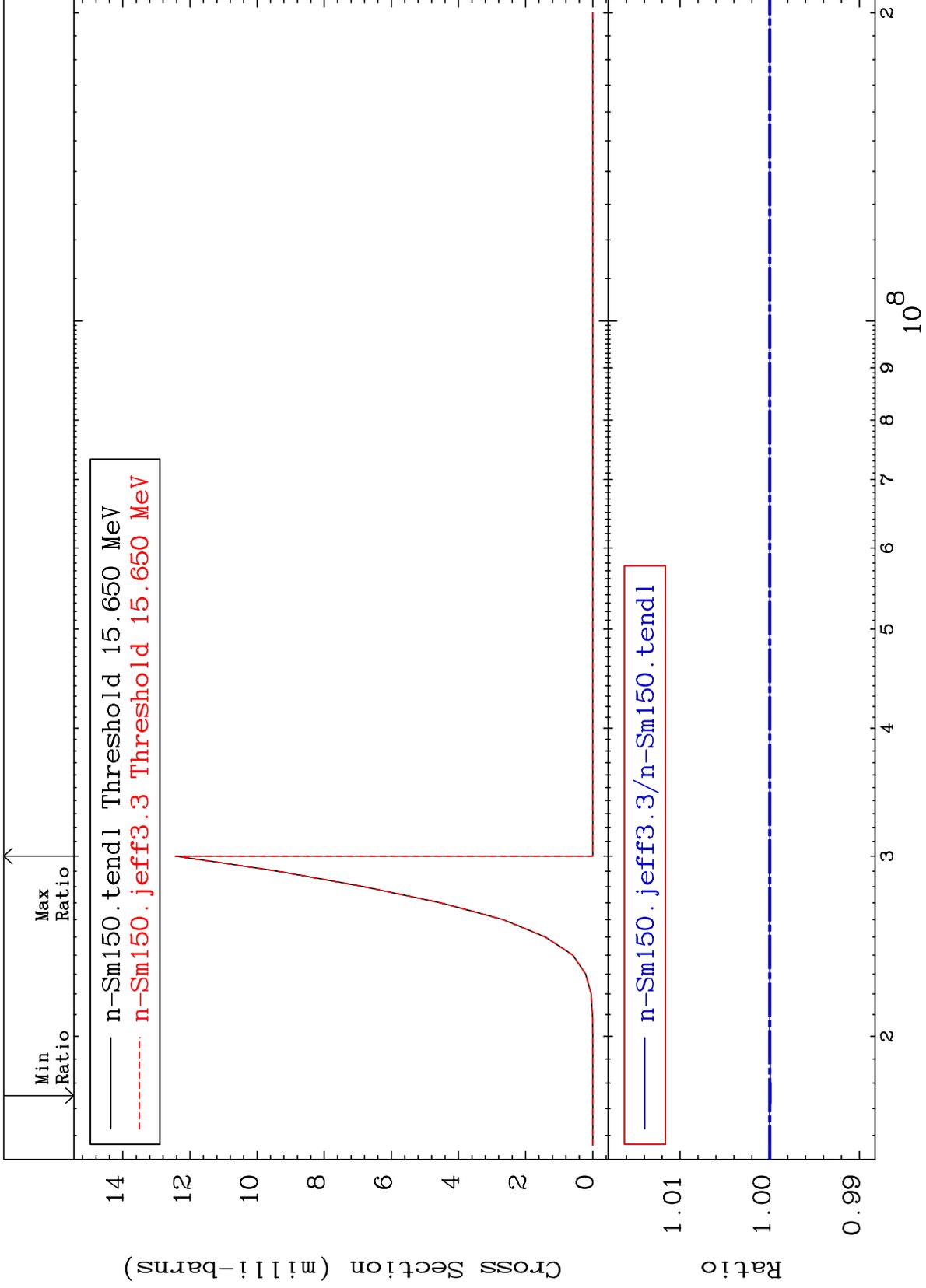


MAT 6243

(n,2n) p:61-Pm-148g

62-Sm-150

Radionuclide Production Cross Section -0.012 To 0.003 %

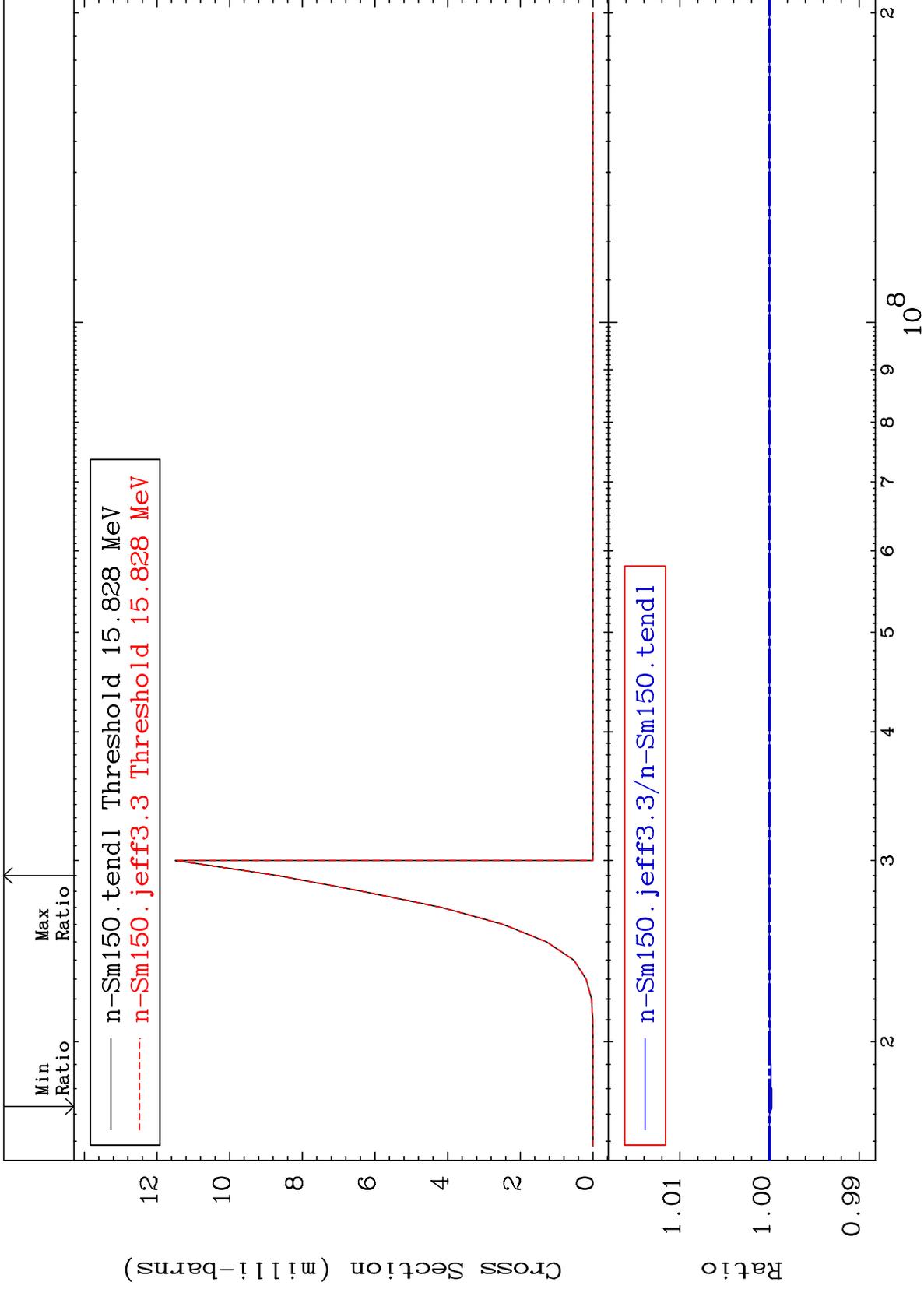


MAT 6243

(n,2n) p:61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section -0.025 To 0.004 %

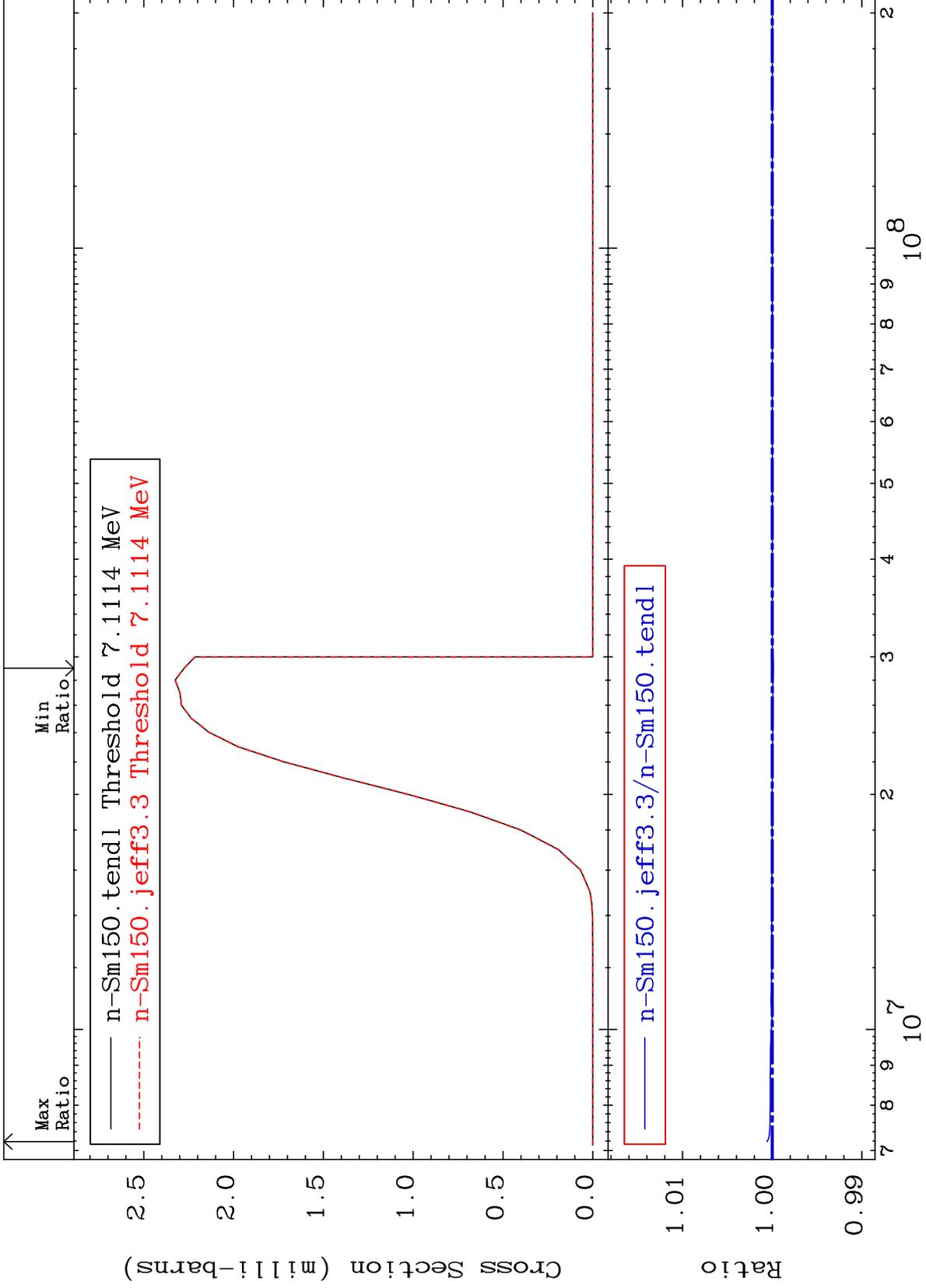


MAT 6243

(n, t) : 61-Pm-148g

62-Sm-150

Radionuclide Production Cross Section -0.012 To 0.059 %



55

Incident Energy (eV)

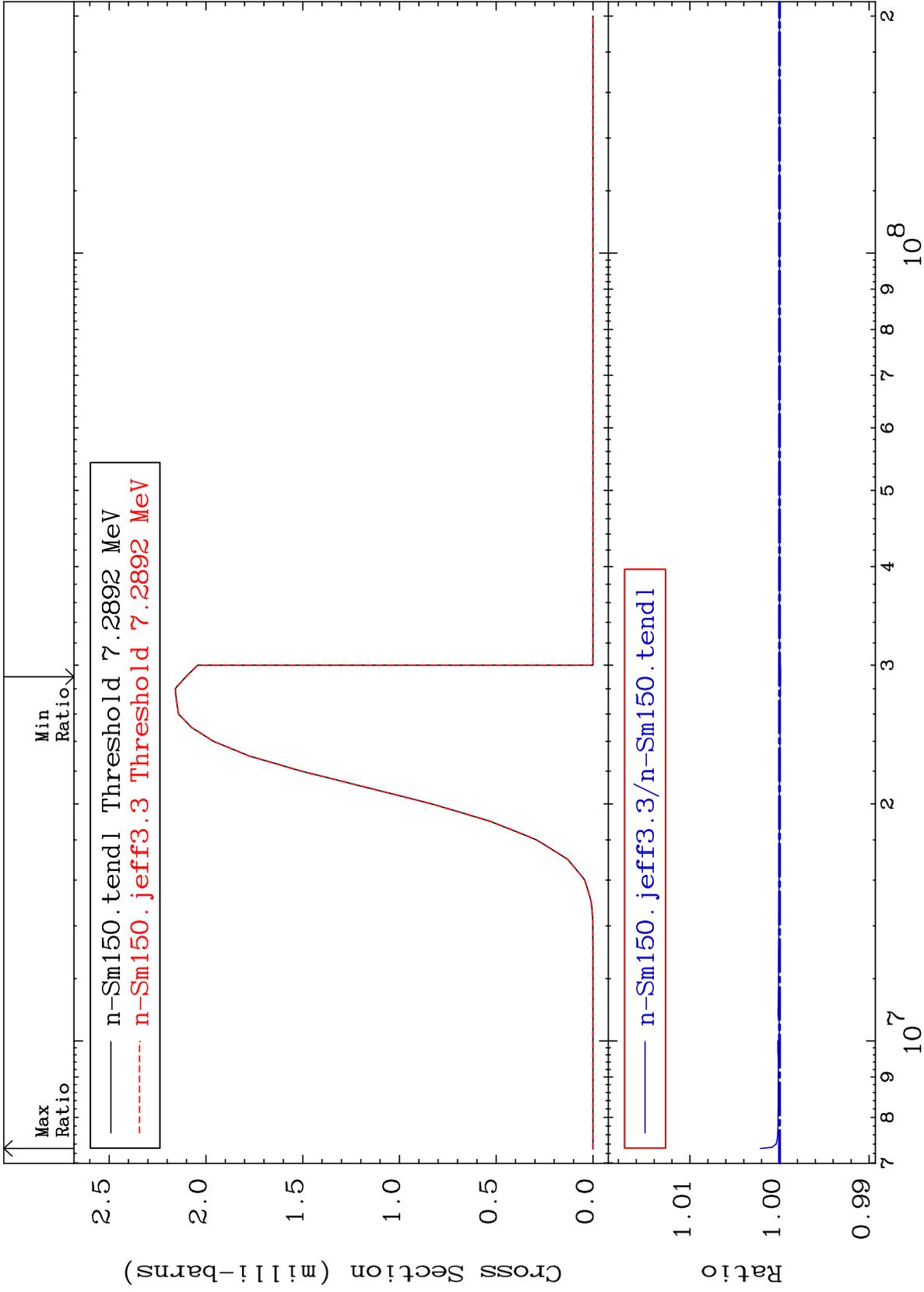
62-Sm-150

MAT 6243

(n, t) : 61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section -0.011 To 0.214 %



56

Incident Energy (eV)

62-Sm-150