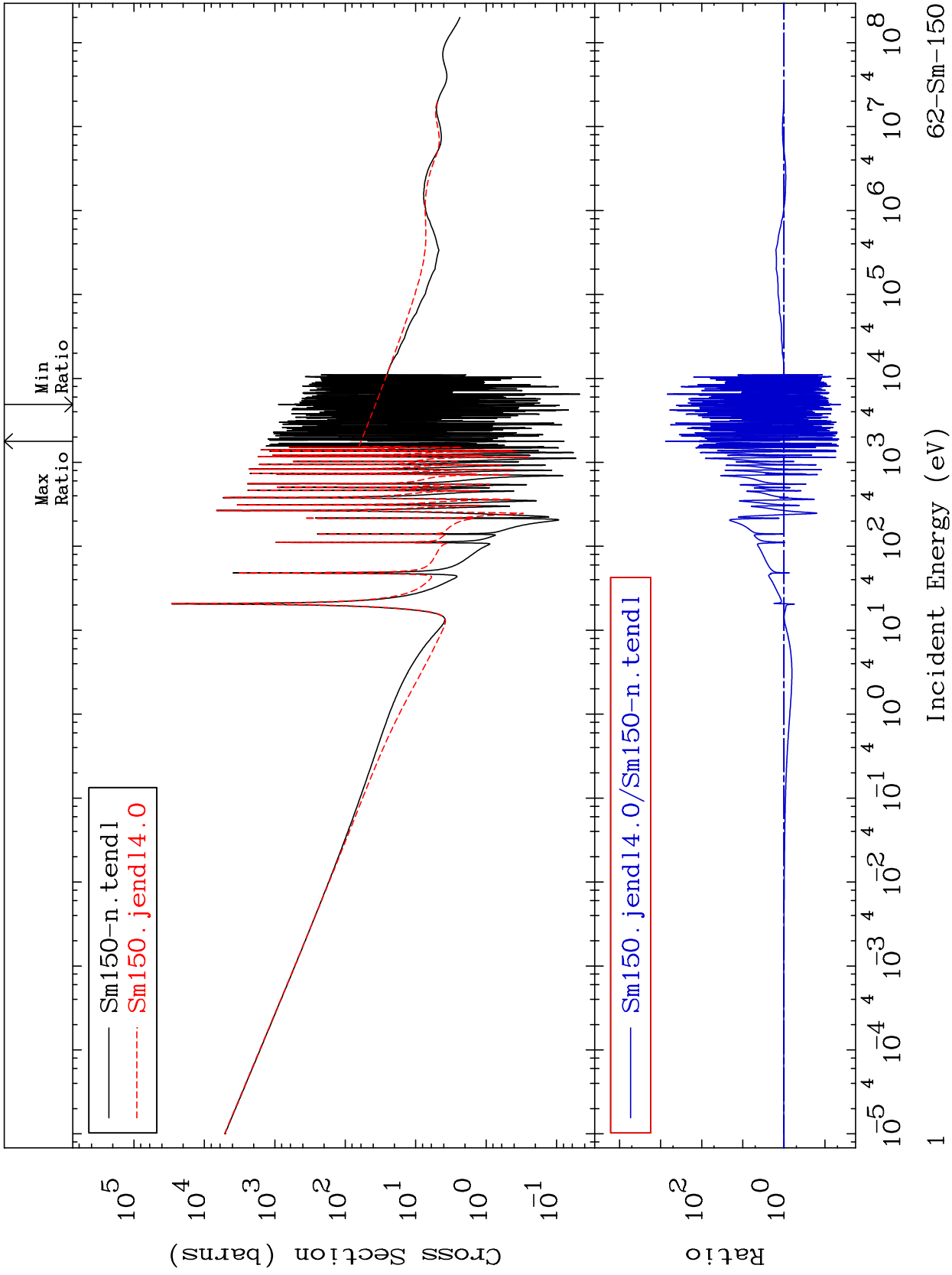


MAT 6243

Total Cross Section  
62-Sm-150  
-95.83 To 9999. %

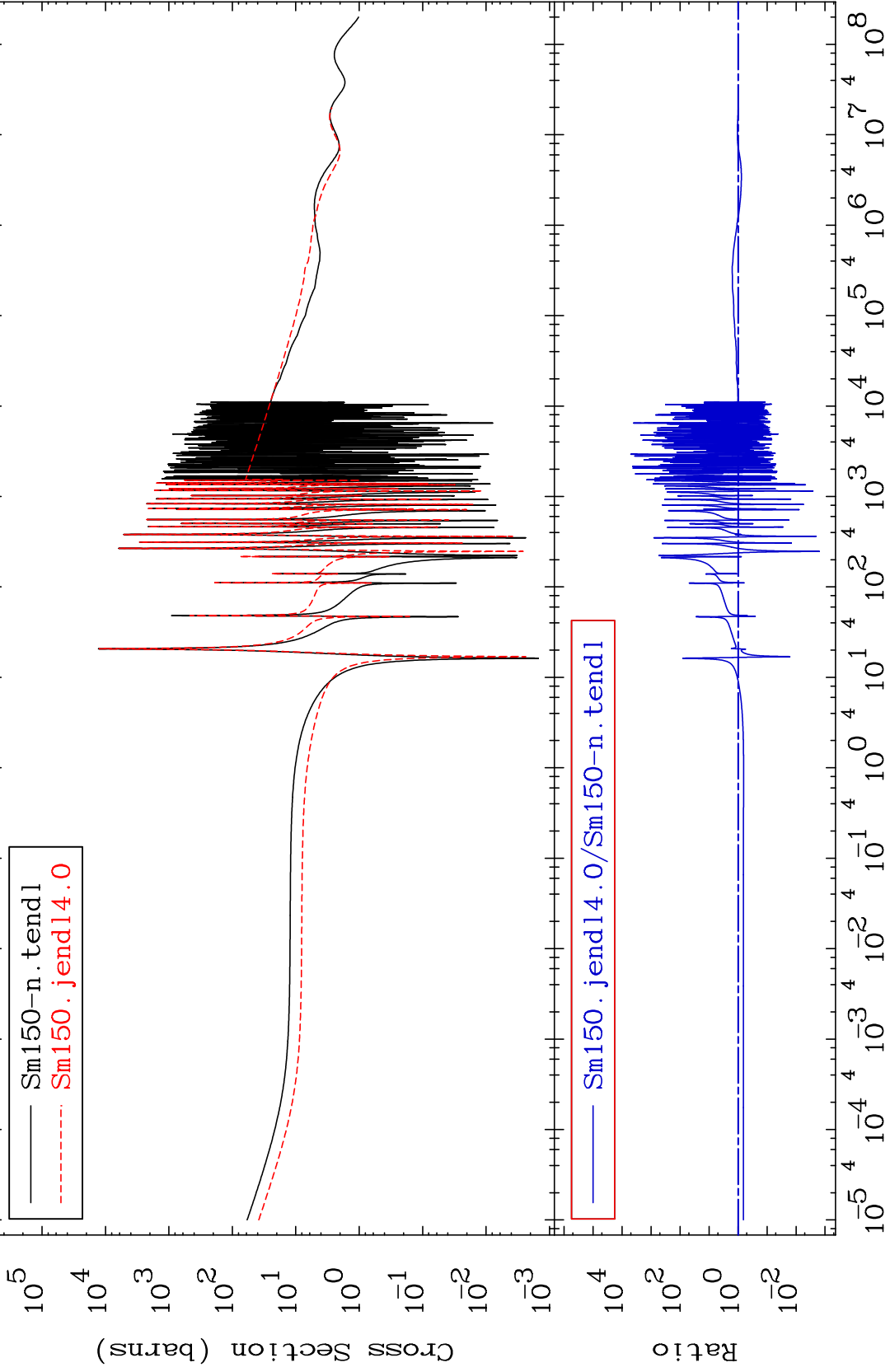


62-Sm-150

MAT 6243

Elastic  
Cross Section

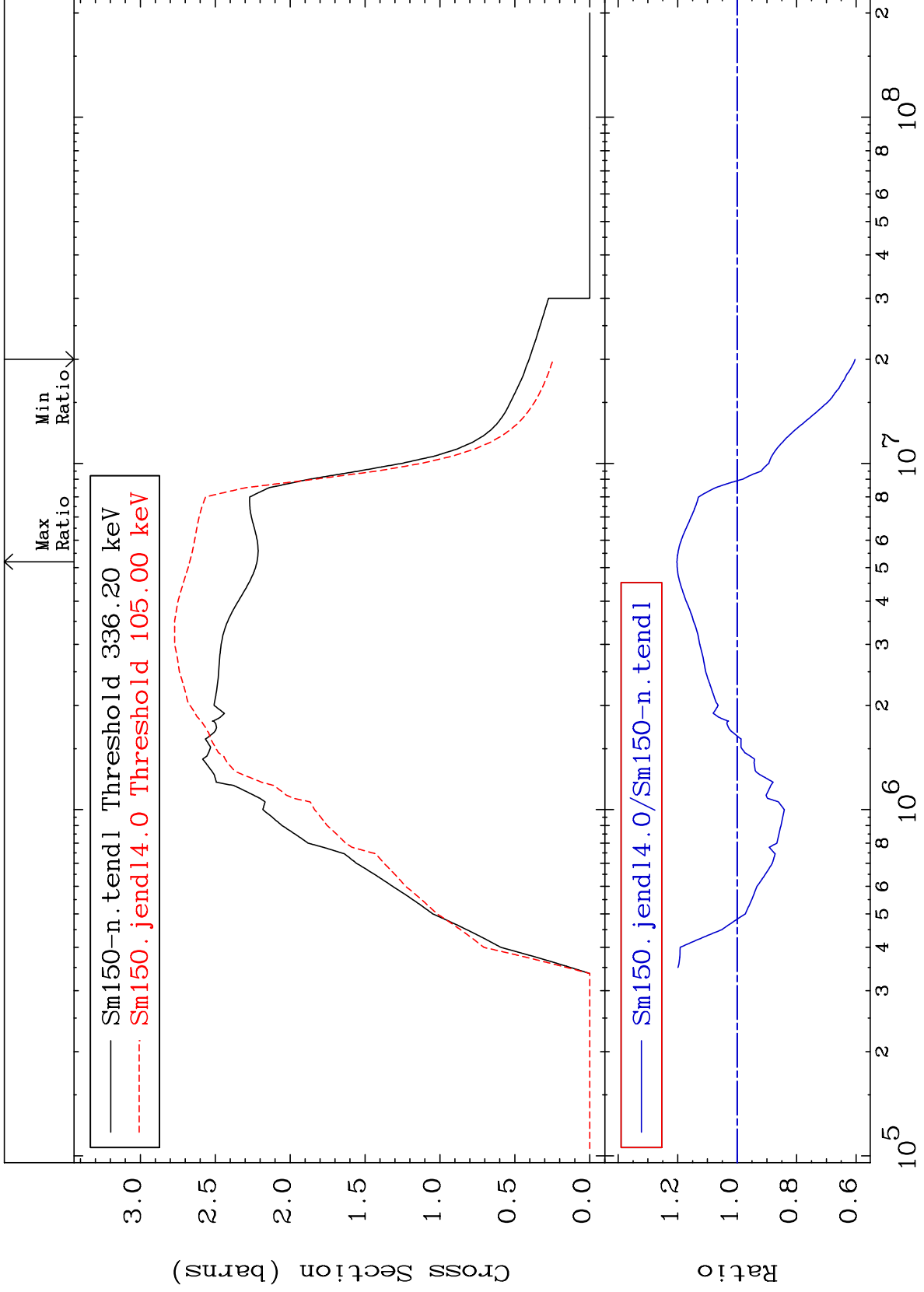
62-Sm-150  
-99.84 To 9999. %



MAT 6243

Inelastic  
Cross Section

62-Sm-150  
-39.64 To 20.25 %



Incident Energy (eV)

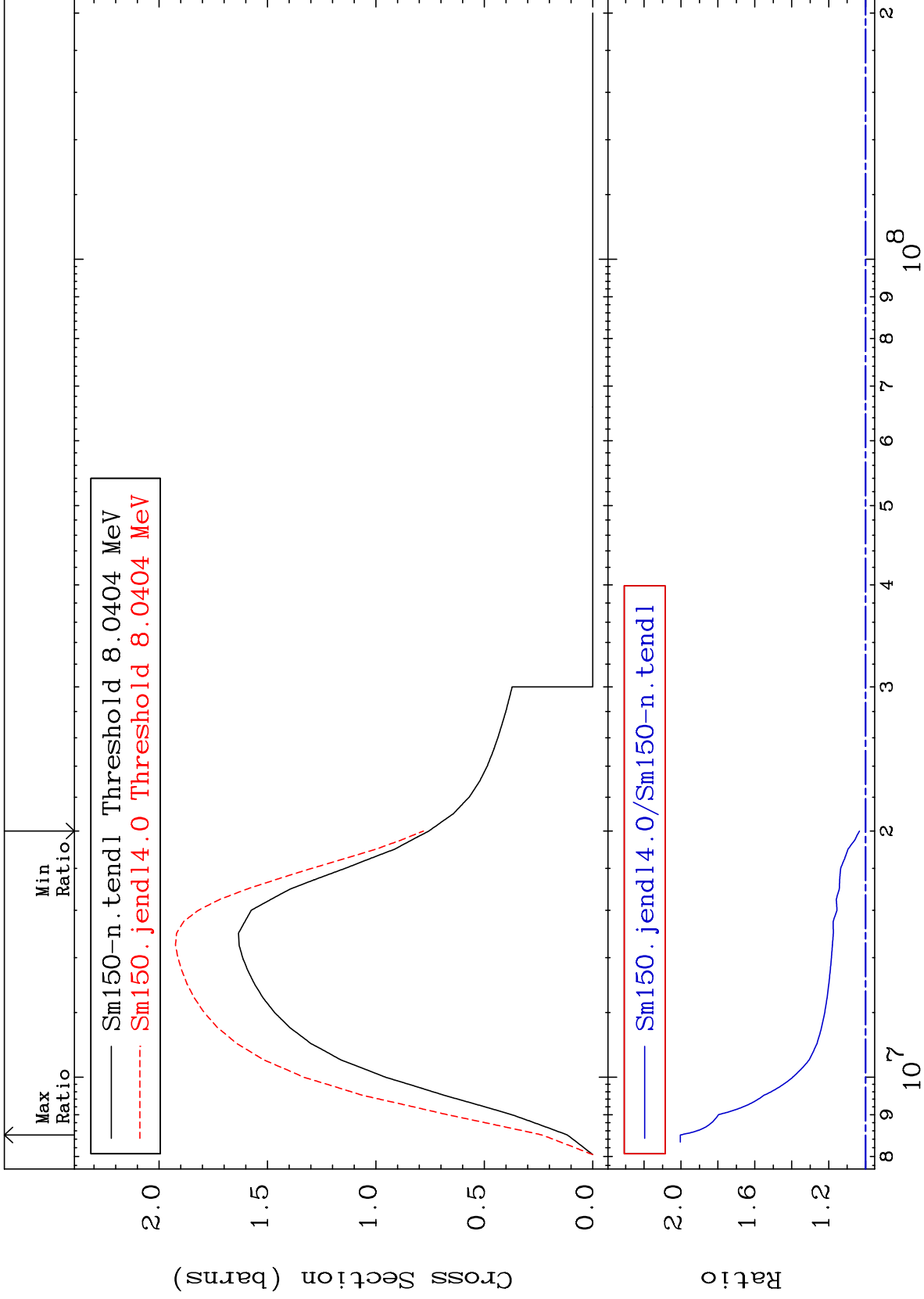
62-Sm-150

3

MAT 6243

(n,2n)  
Cross Section

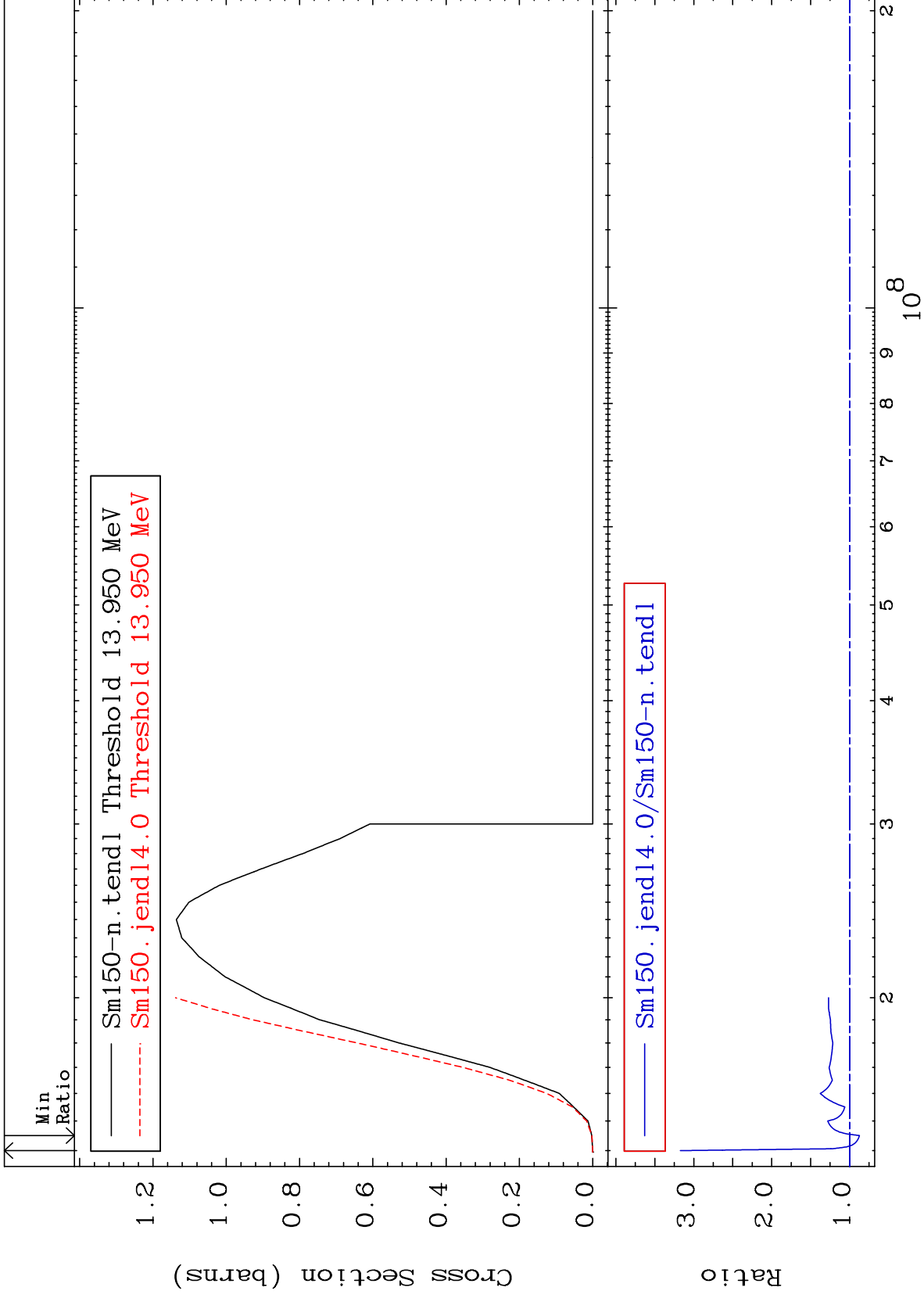
62-Sm-150  
3.336 To 100.3 %



4

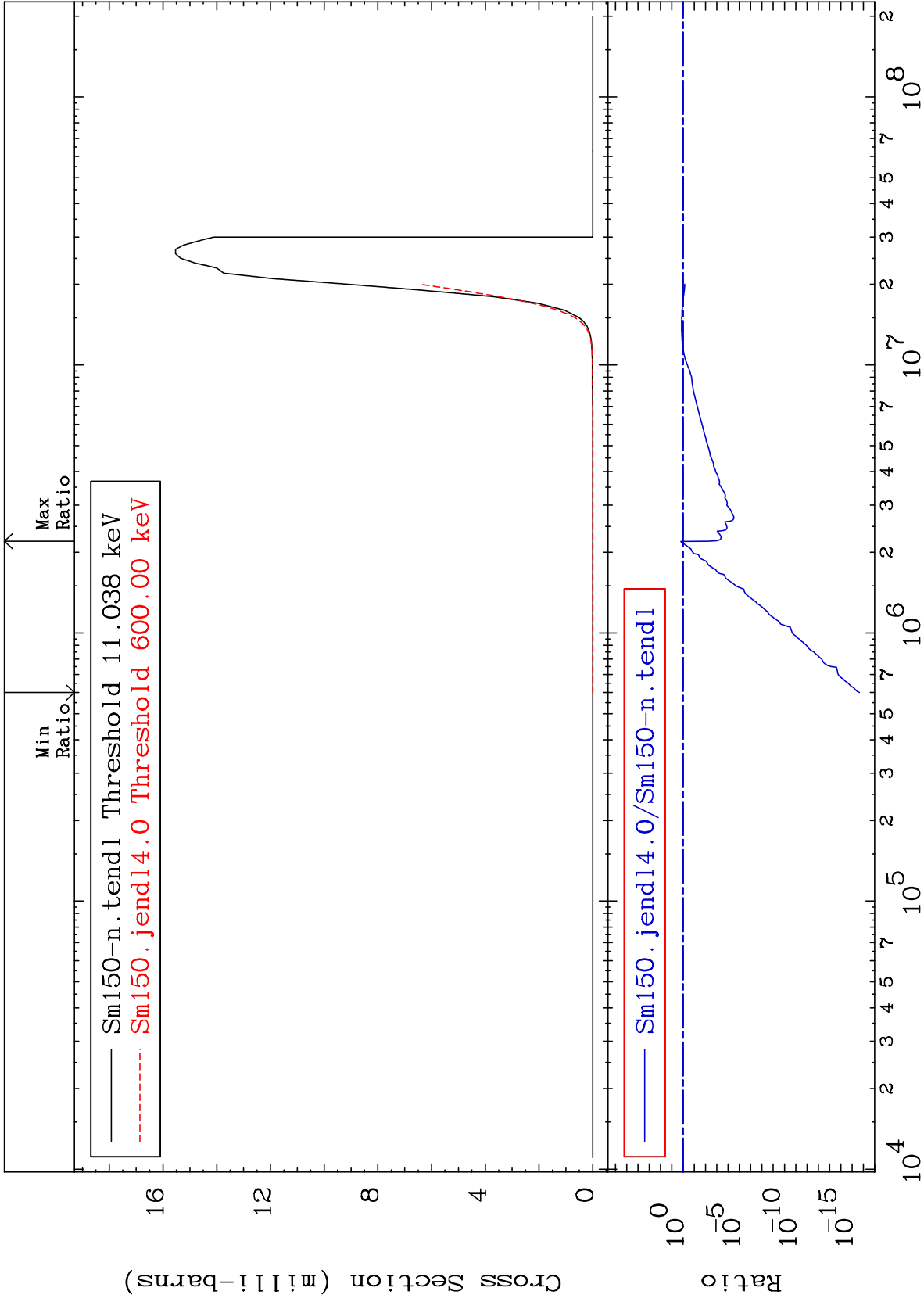
Incident Energy (eV)

62-Sm-150



MAT 6243

$(n, n') \alpha$  Cross Section  
62-Sm-150  
-100.0 To 73.48 %



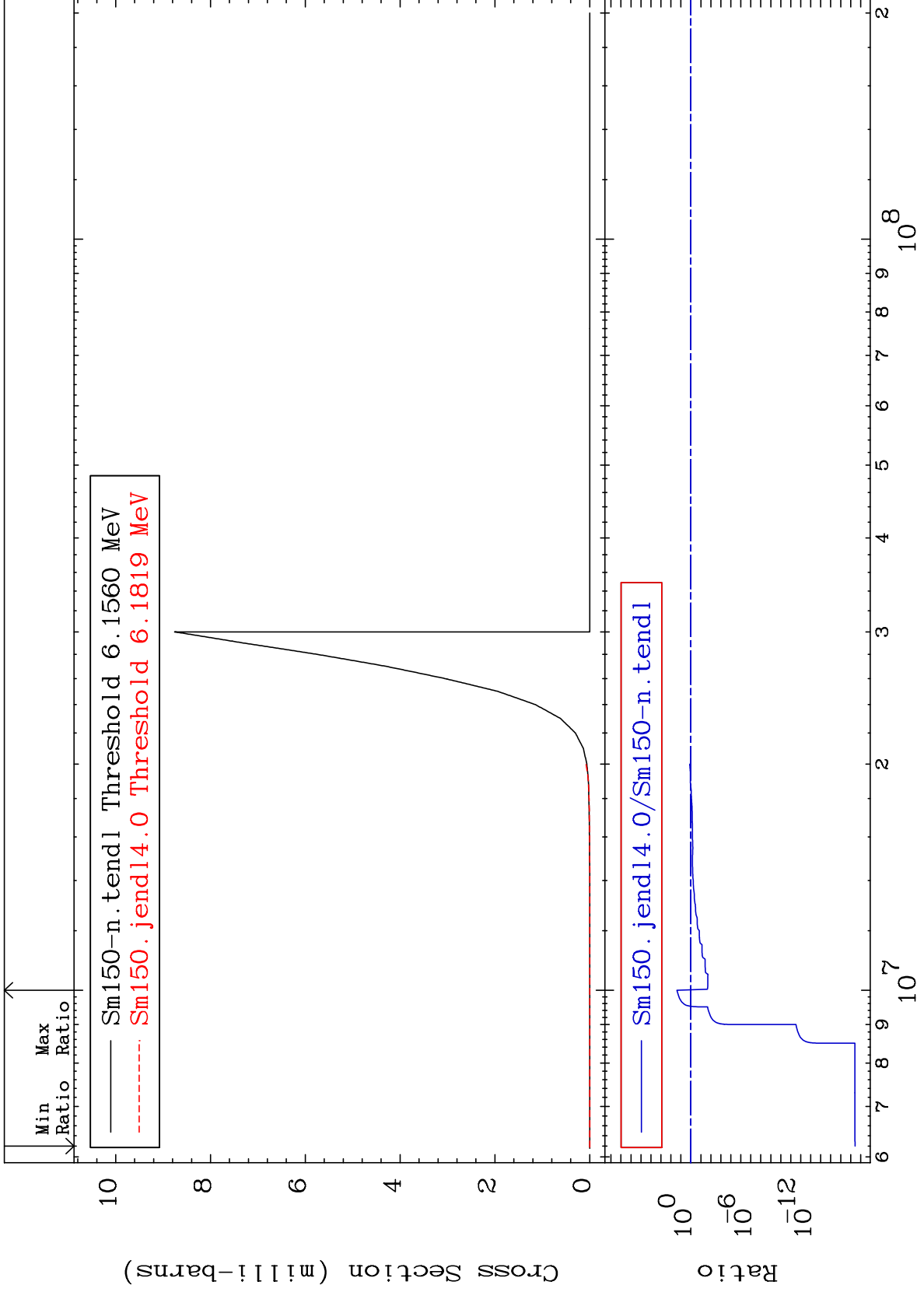
62-Sm-150

Incident Energy (eV)

MAT 6243

(n,2n)  $\alpha$   
Cross Section

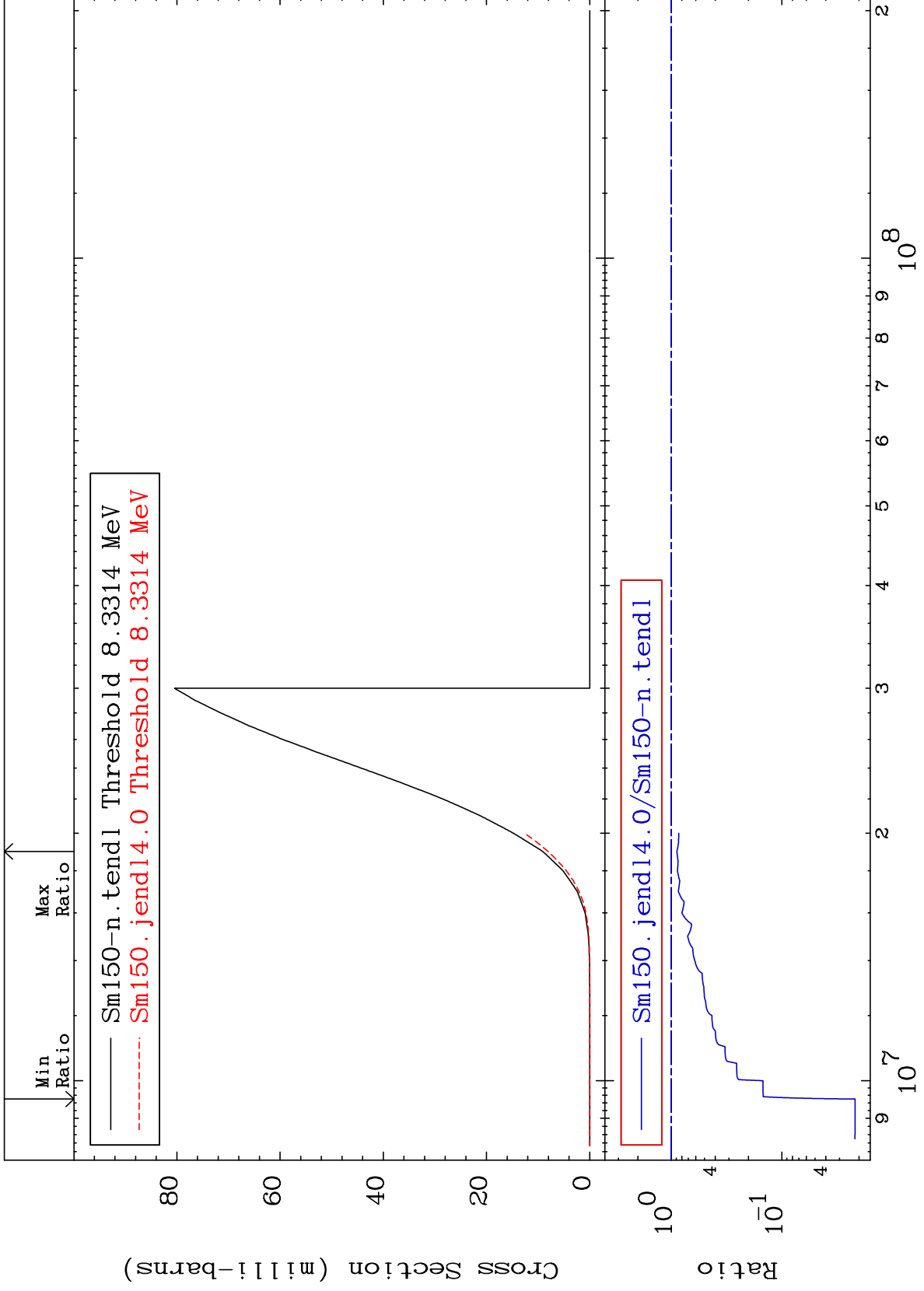
62-Sm-150  
-100.0 To 2392. %



MAT 6243

(n,n') p  
Cross Section

62-Sm-150  
-97.83 To -11.28%



62-Sm-150

Incident Energy (eV)

8



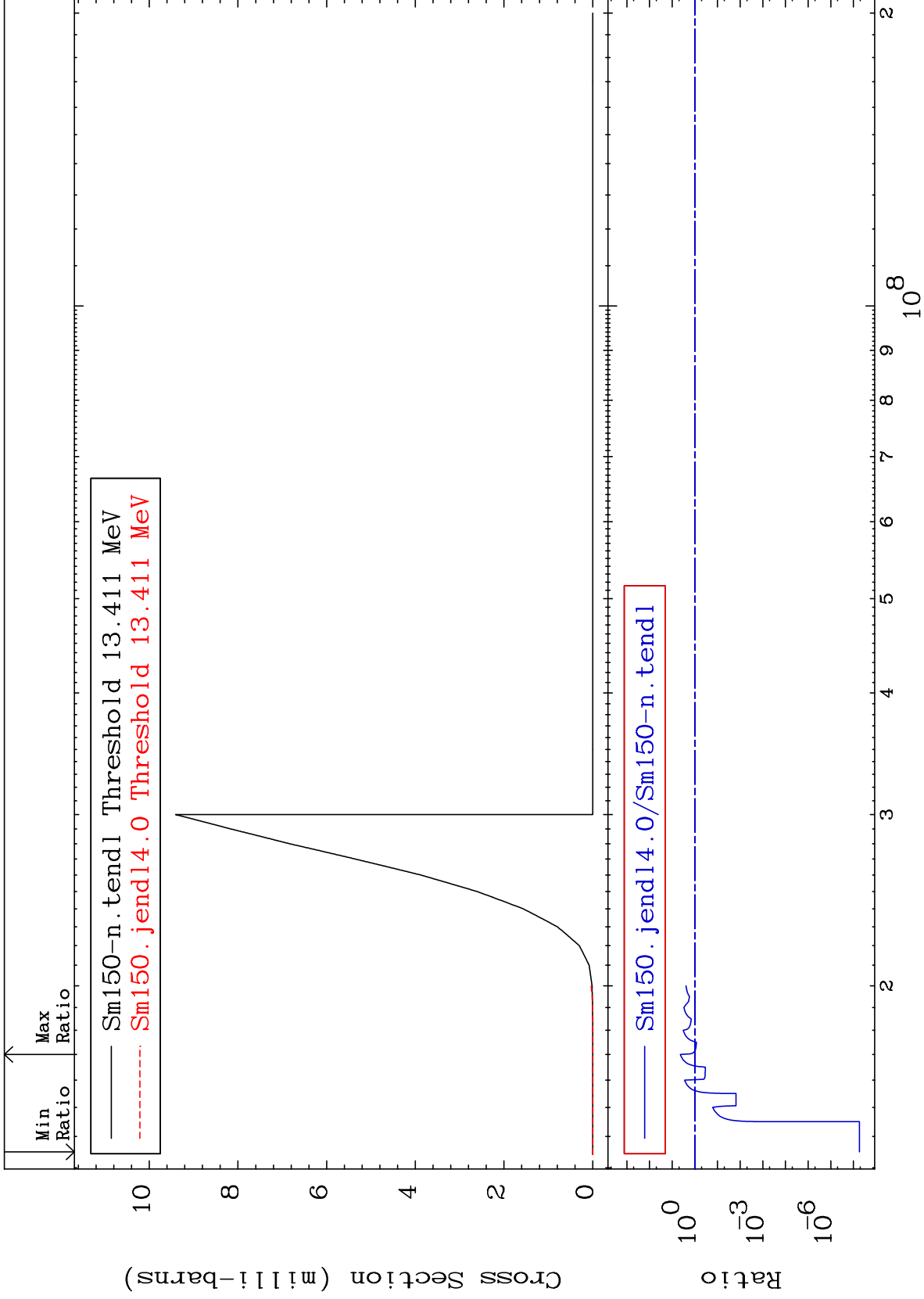
MAT 6243

(n, n') d

62-Sm-150

Cross Section

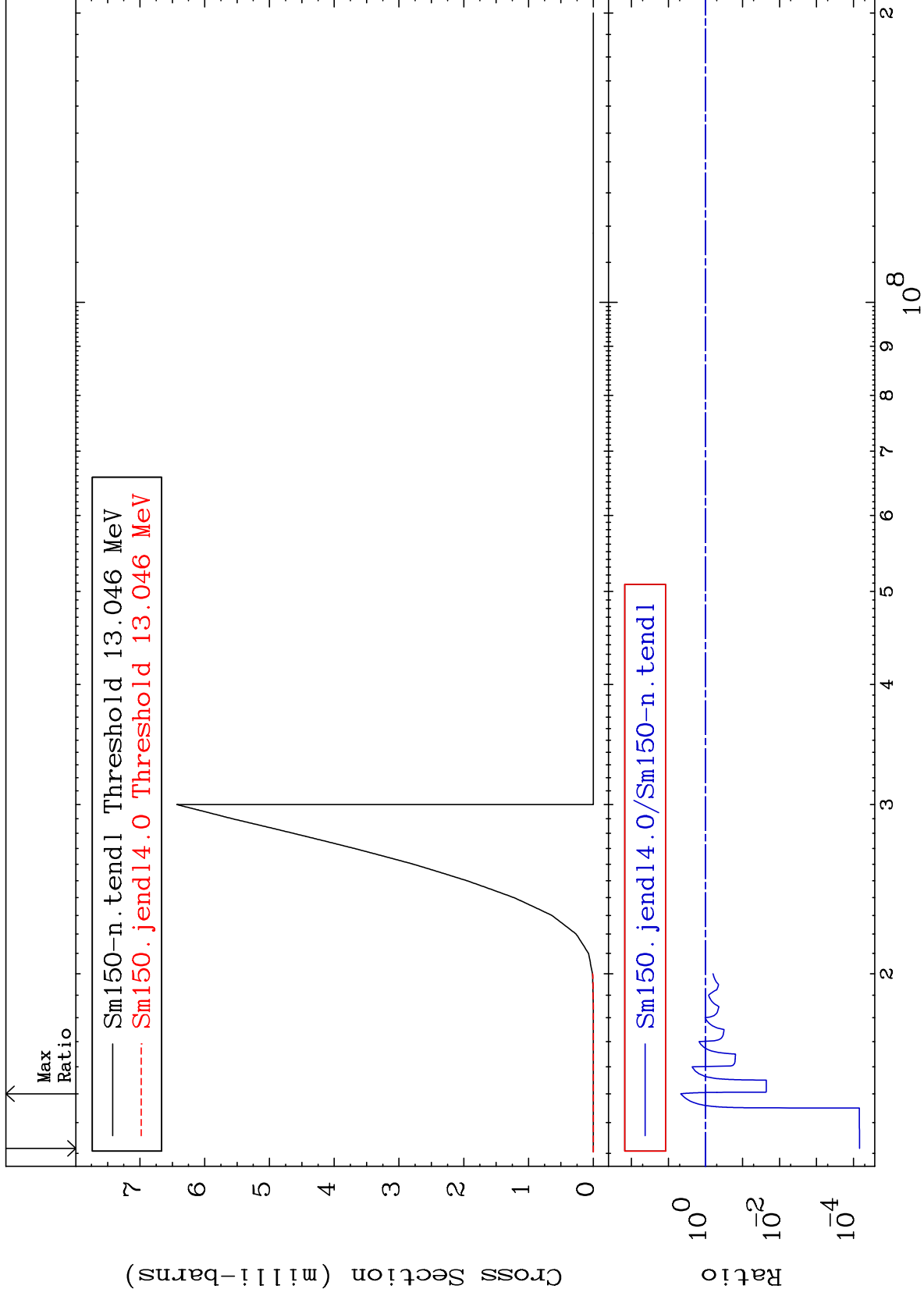
-100.0 To 335.2 %



MAT 6243

(n,n') t  
Cross Section

62-Sm-150  
-99.99 To 365.7 %



10

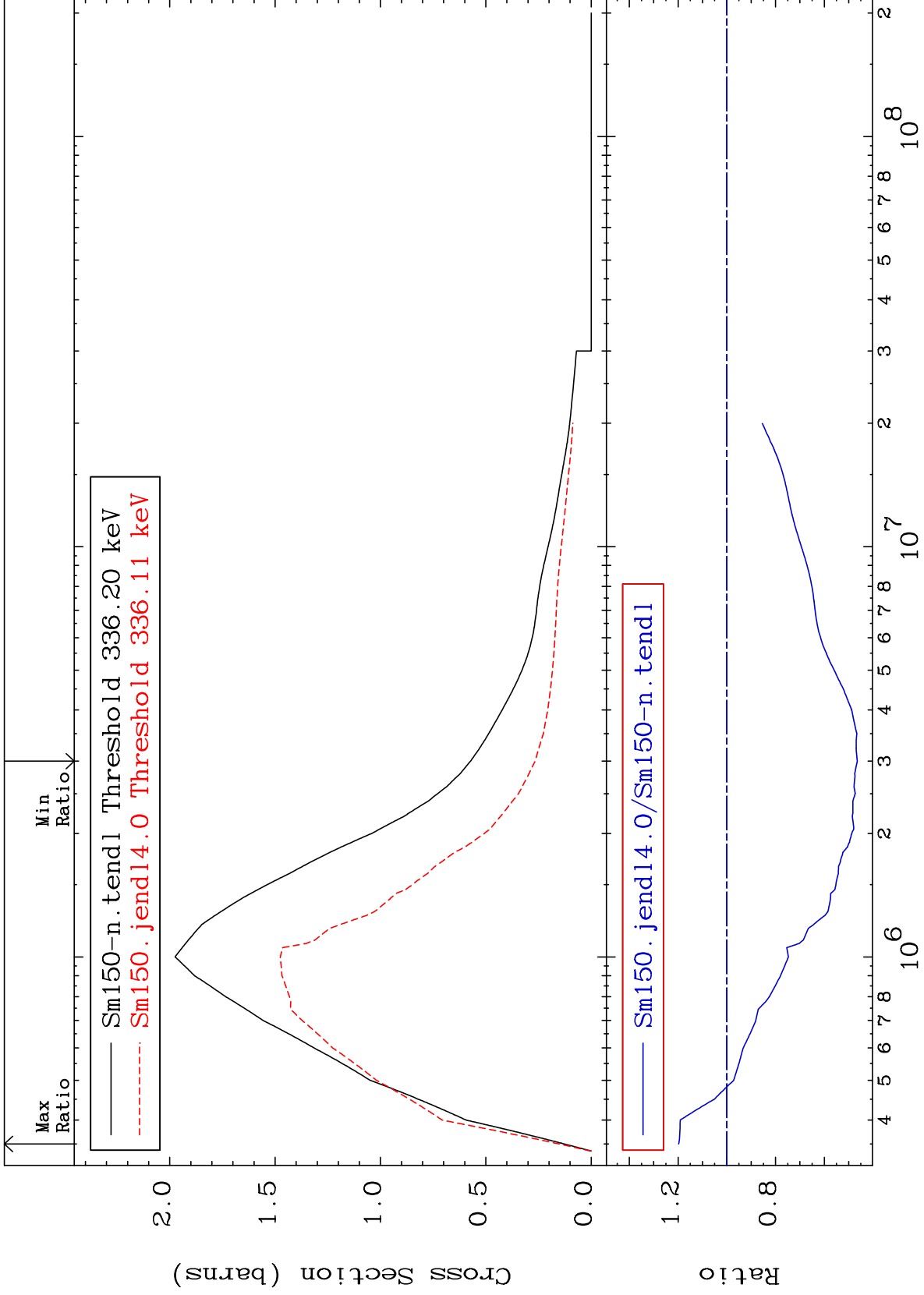
Incident Energy (eV)

62-Sm-150

MAT 6243

334.0 keV (n,n') Level  
Cross Section

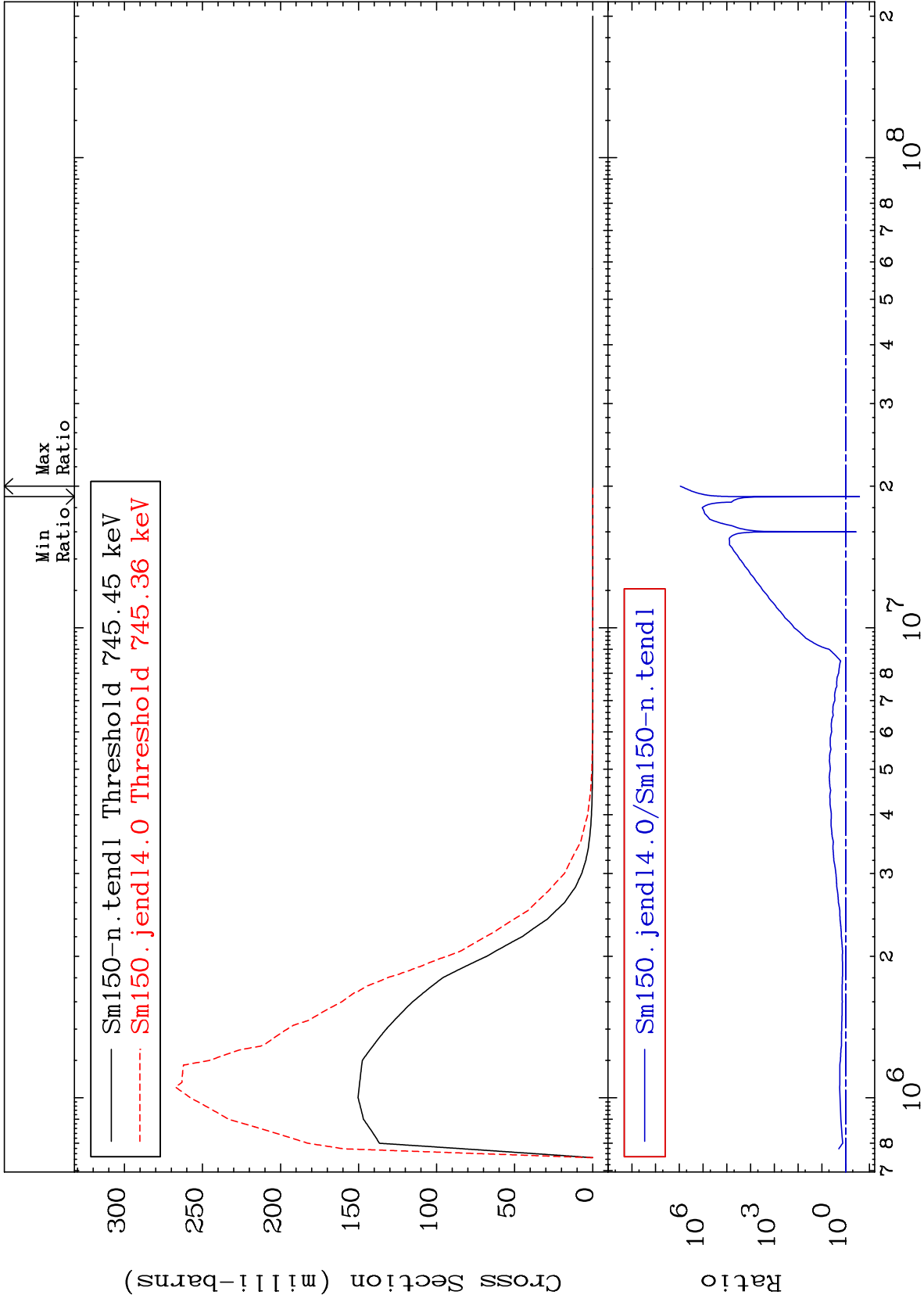
62-Sm-150  
-53.53 To 19.77 %



MAT 6243

740.5 keV (n,n') Level  
Cross Section

62-Sm-150  
-73.66 To 9999. %



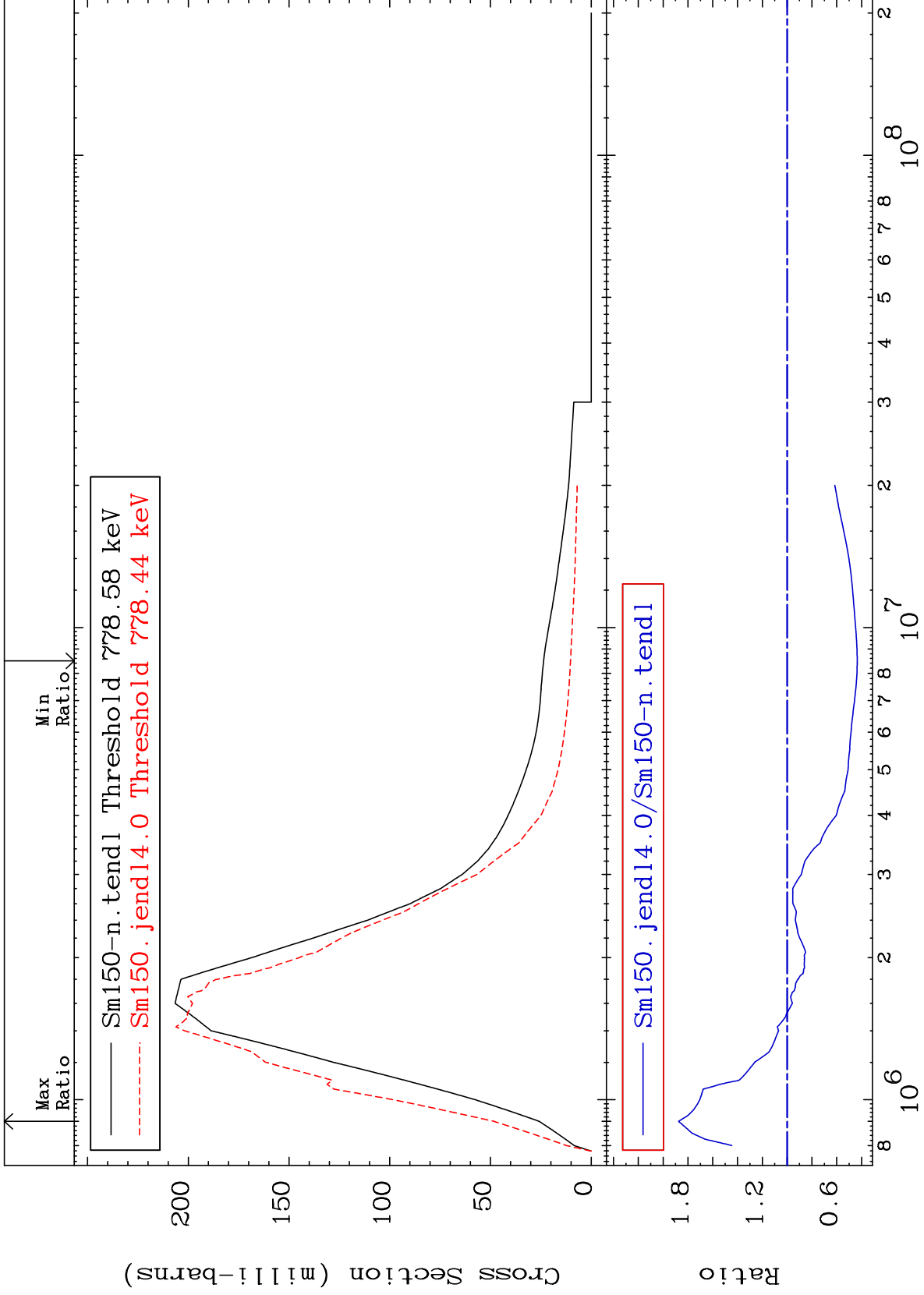
12

62-Sm-150

MAT 6243

773.4 keV (n,n') Level  
Cross Section

62-Sm-150  
-56.55 To 87.49 %



13

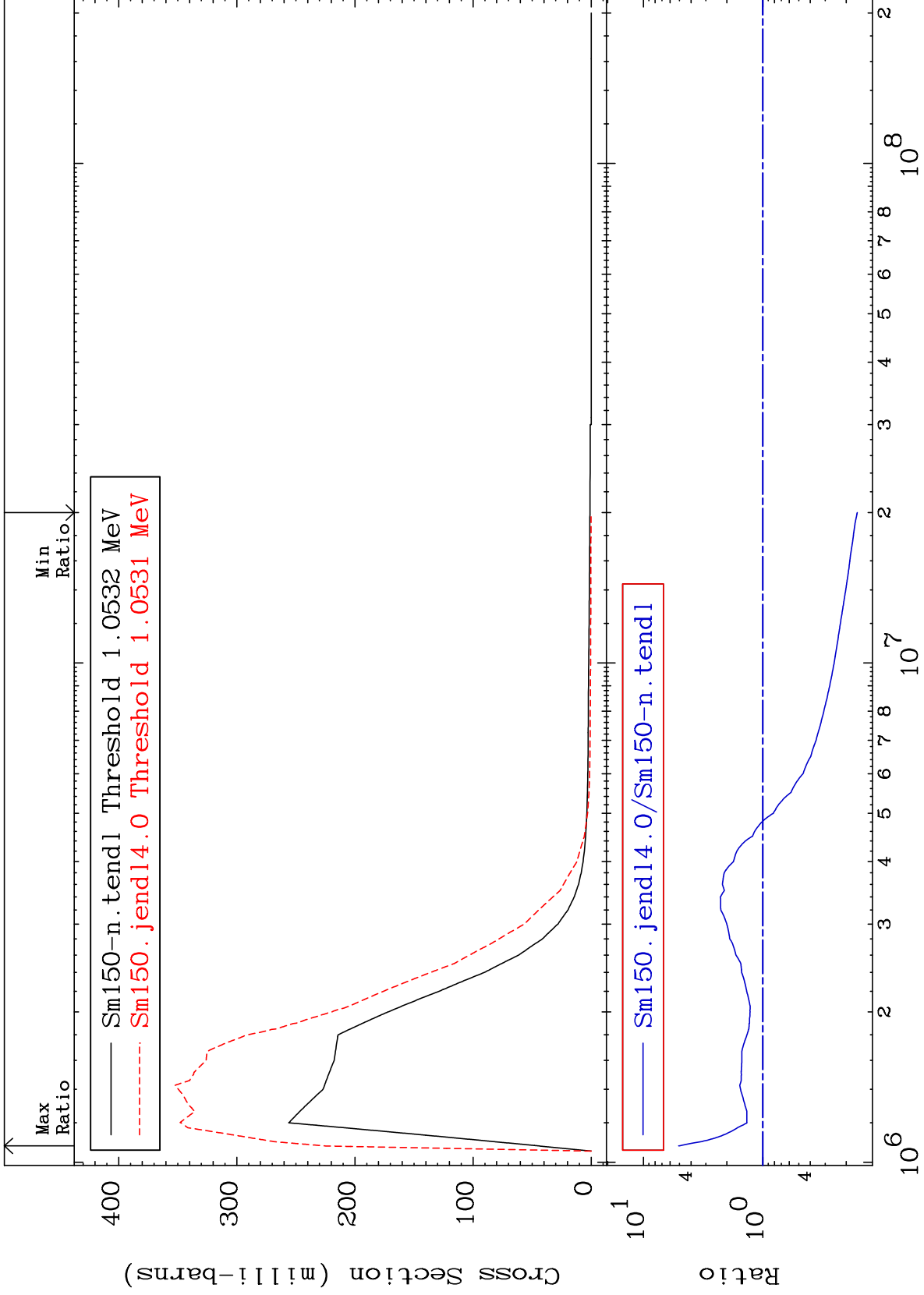
Incident Energy (eV)

62-Sm-150

MAT 6243

1.046 MeV (n,n') Level  
Cross Section

62-Sm-150  
-83.84 To 407.5 %



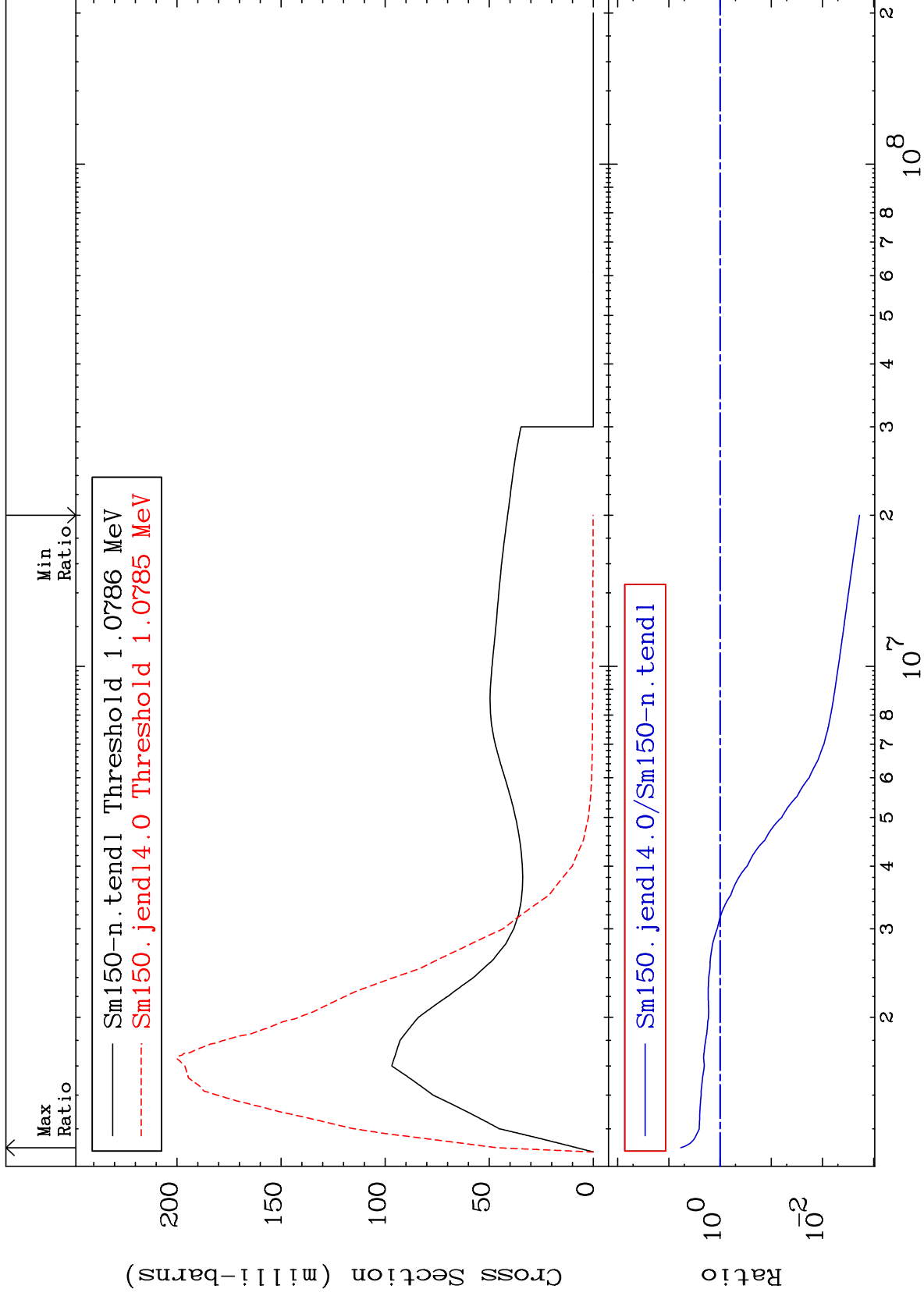
14

62-Sm-150

MAT 6243

1.071 MeV (n,n') Level  
Cross Section

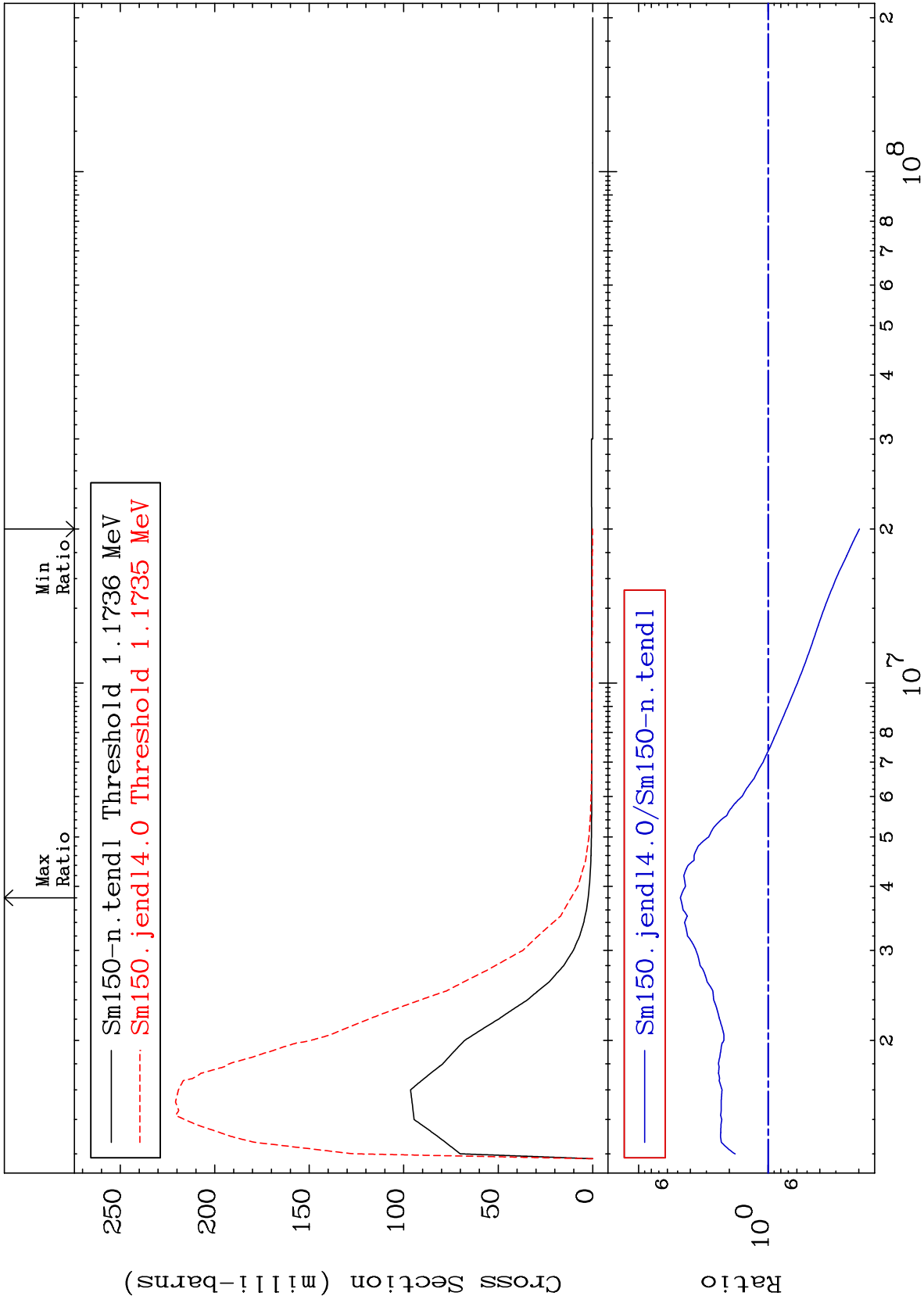
62-Sm-150  
-99.81 To 484.6 %



MAT 6243

1.166 MeV (n,n') Level  
Cross Section

62-Sm-150  
-80.25 To 376.7 %



16

Incident Energy (eV)

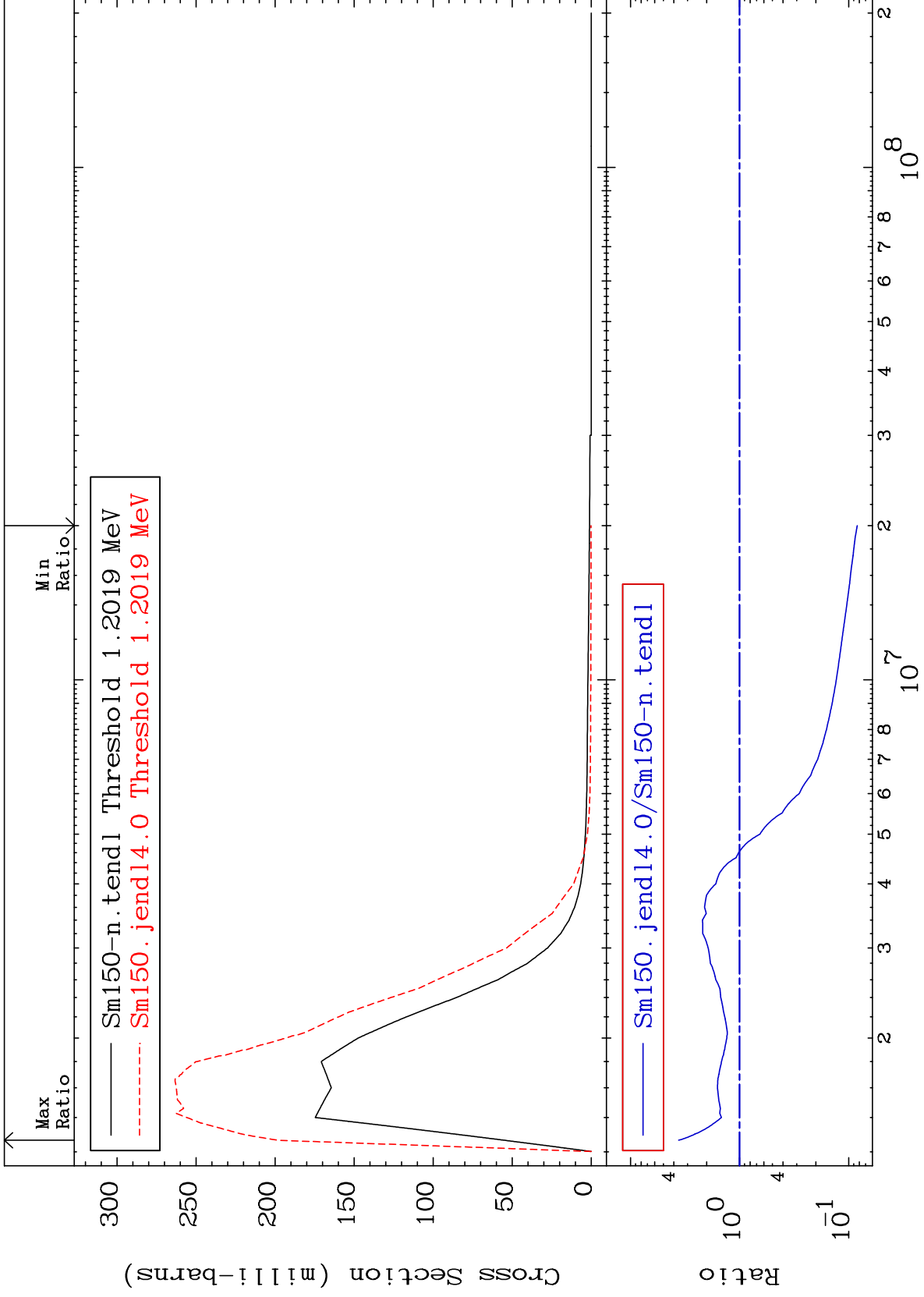
62-Sm-150



MAT 6243

1.194 MeV (n,n') Level  
Cross Section

62-Sm-150  
-91.66 To 262.0 %



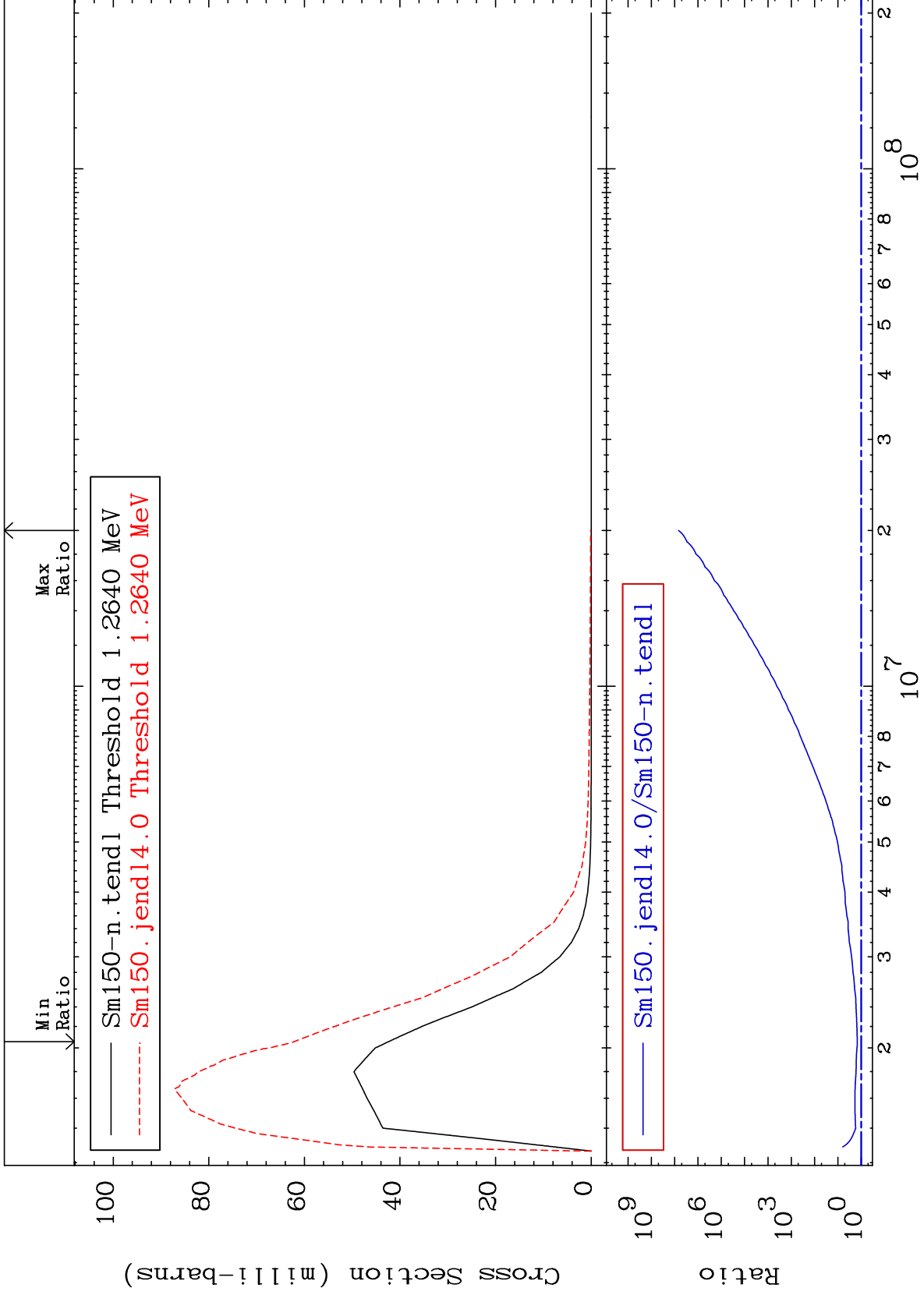
17

62-Sm-150

MAT 6243

1.256 MeV (n,n') Level  
Cross Section

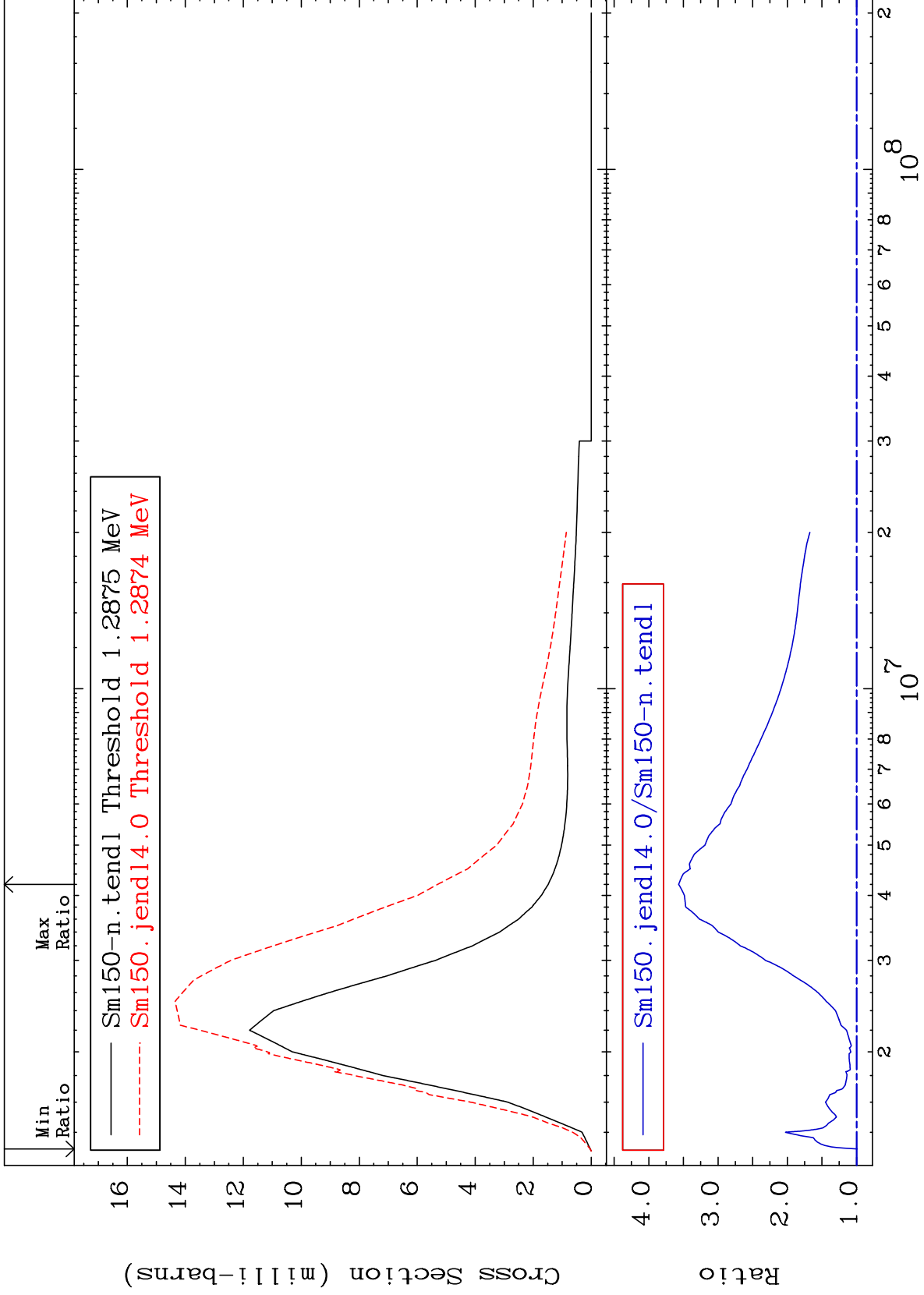
62-Sm-150  
46.69 To 9999. %



MAT 6243

1.279 MeV (n,n') Level  
Cross Section

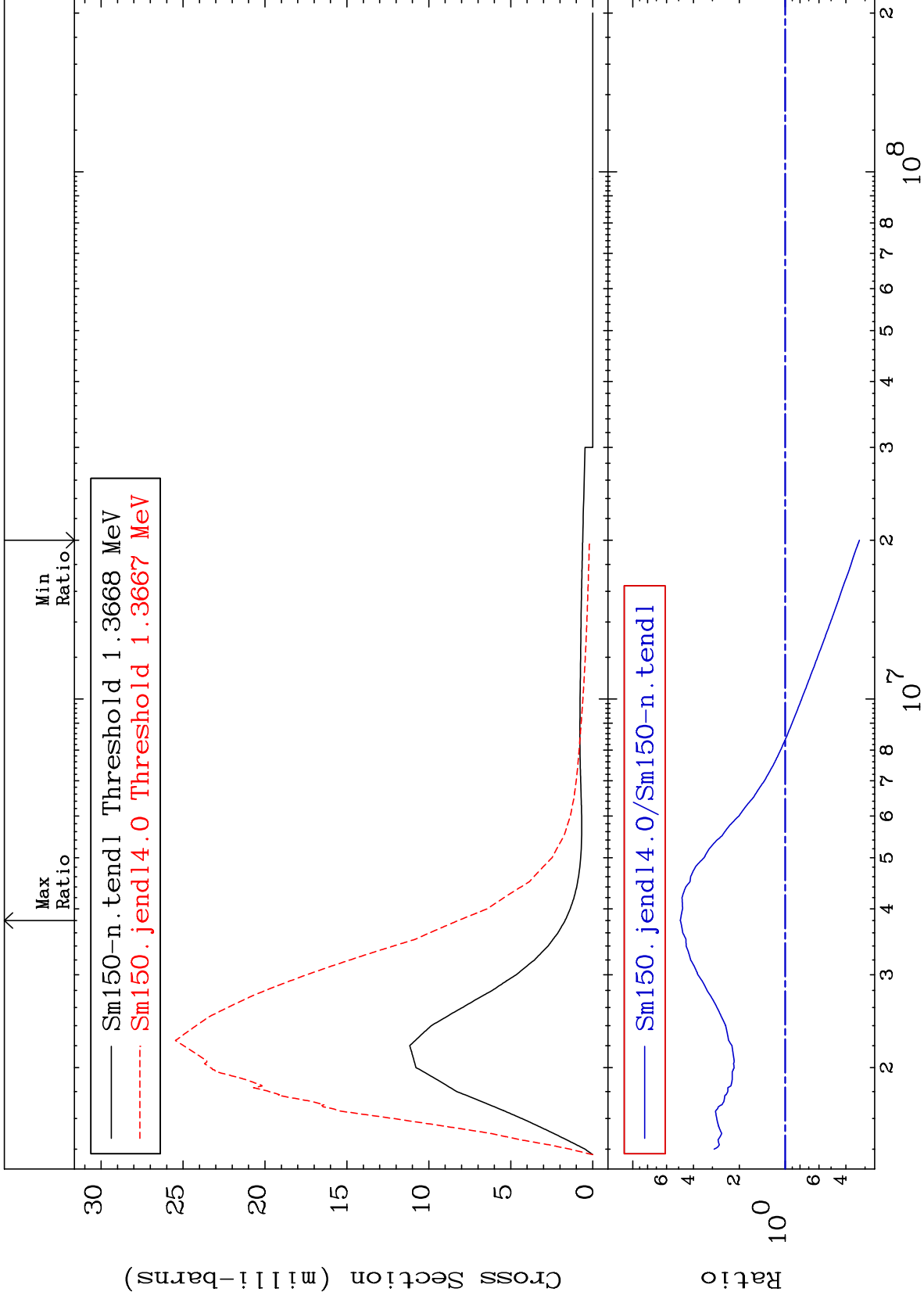
62-Sm-150  
-1.002 To 256.9 %



MAT 6243

1.358 MeV (n,n') Level  
Cross Section

62-Sm-150  
-67.38 To 387.1 %



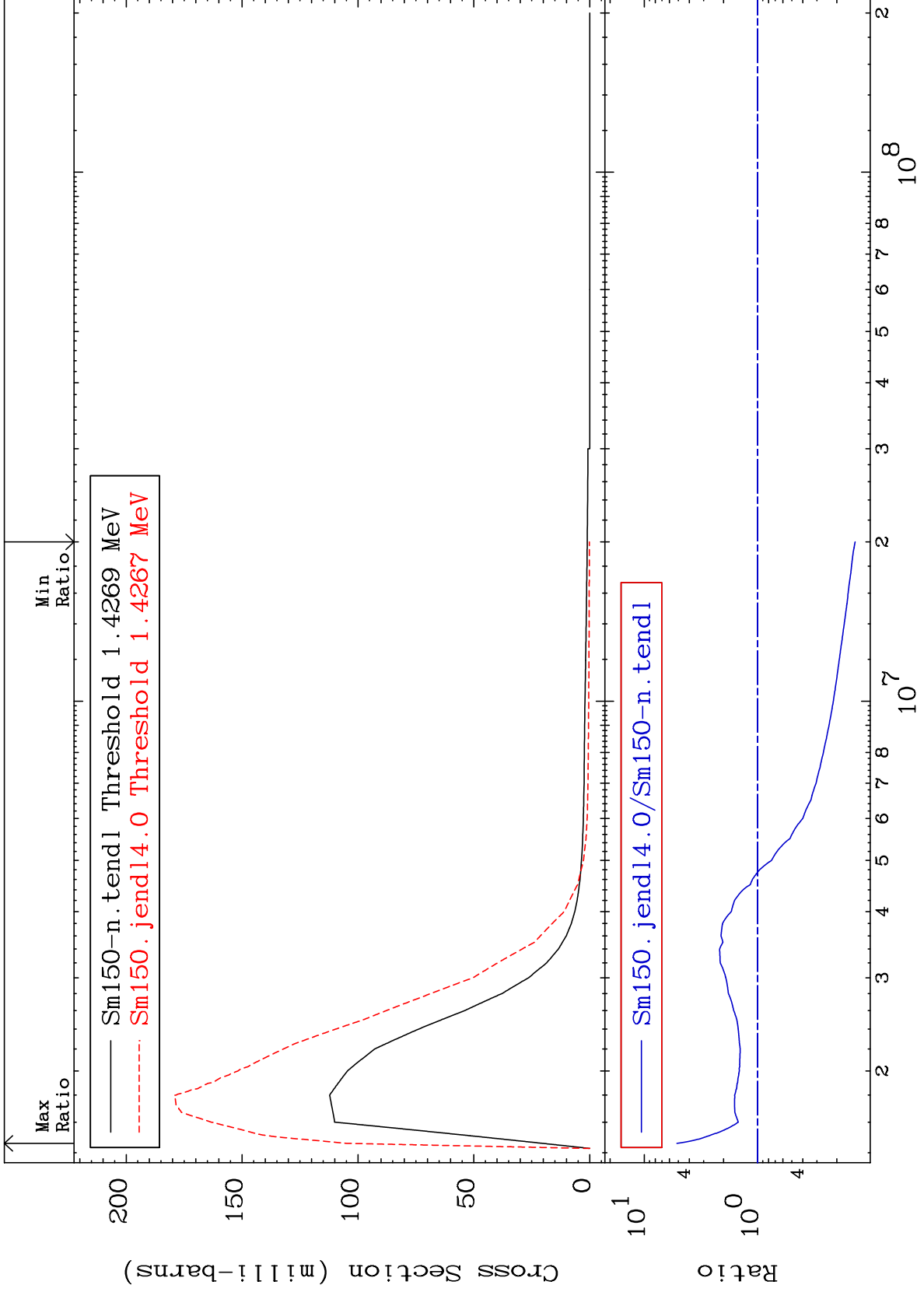
20

62-Sm-150

MAT 6243

1.417 MeV (n,n') Level  
Cross Section

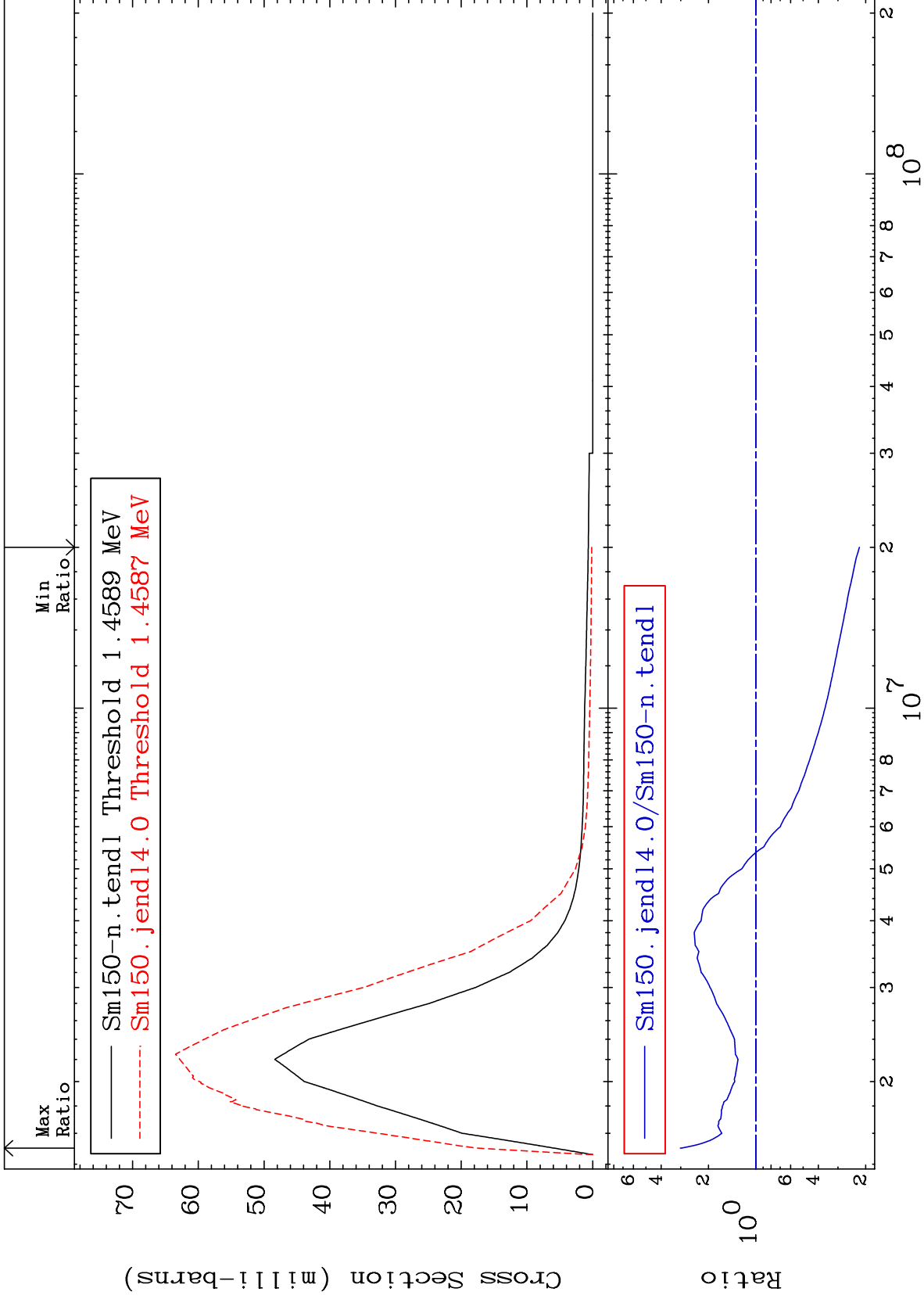
62-Sm-150  
-86.17 To 415.4 %



MAT 6243

1.449 MeV (n,n') Level  
Cross Section

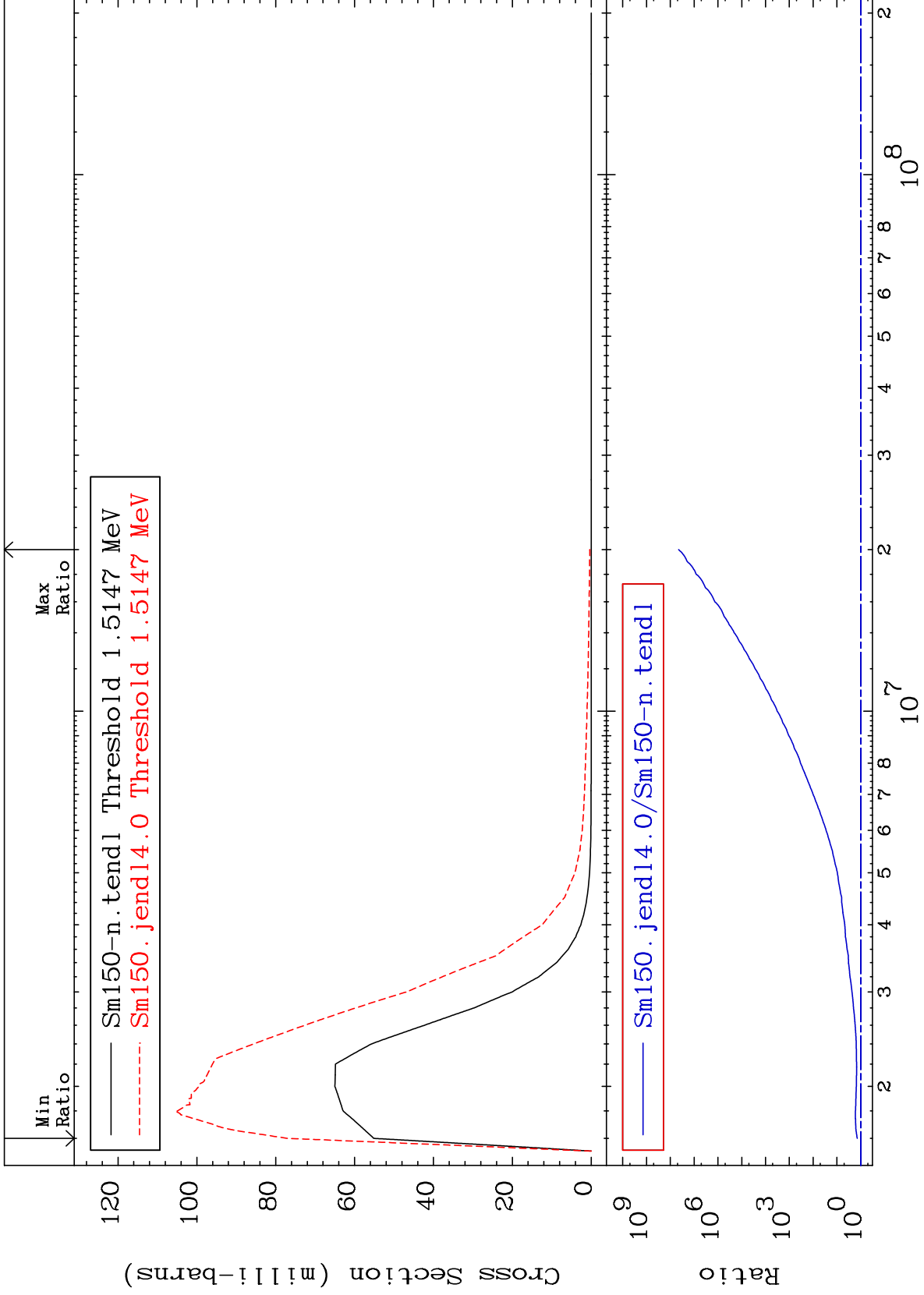
62-Sm-150  
-78.07 To 202.0 %



MAT 6243

1.505 MeV (n,n') Level  
Cross Section

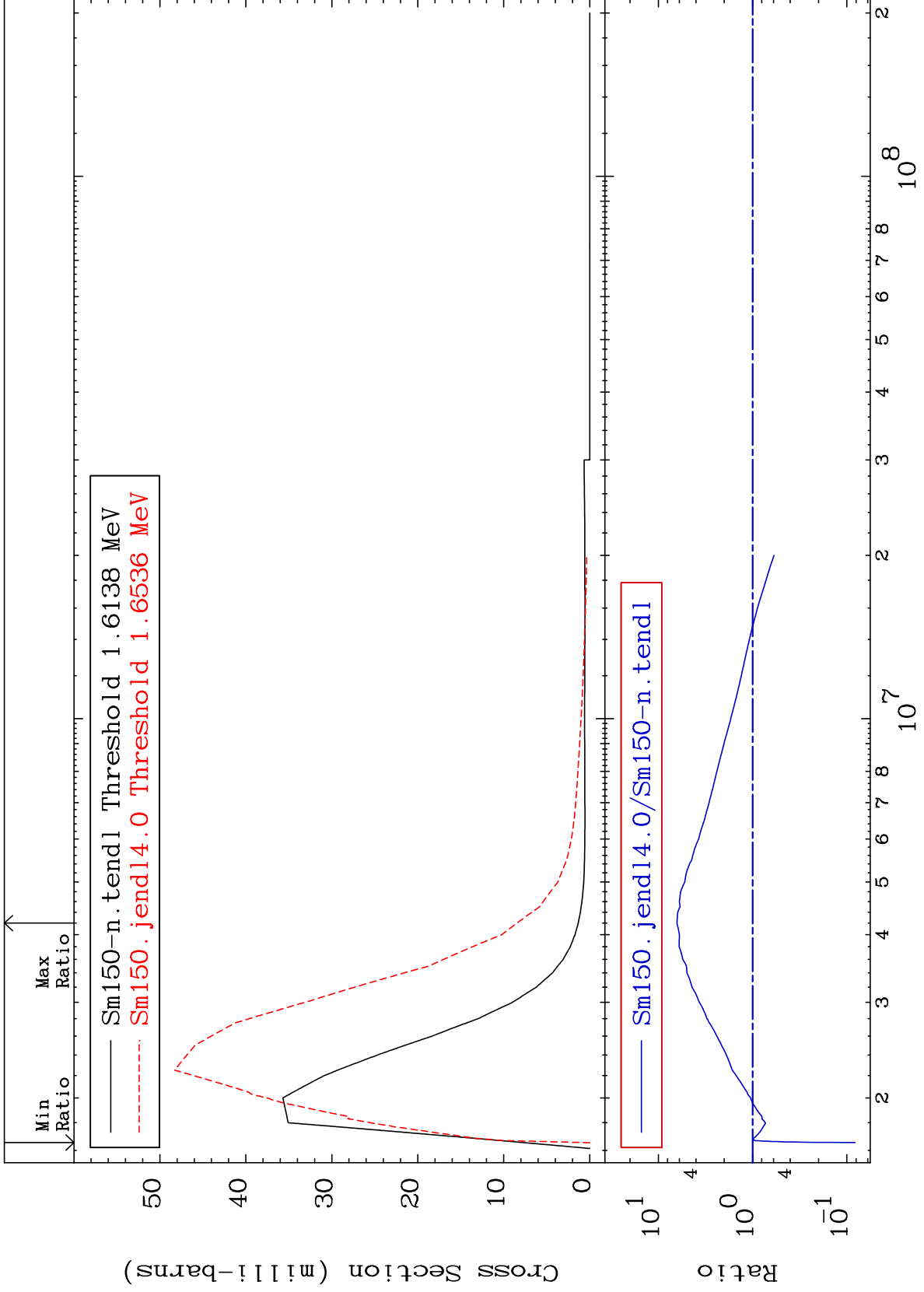
62-Sm-150  
39.87 To 9999. %



MAT 6243

1.603 MeV (n,n') Level  
Cross Section

62-Sm-150  
-91.82 To 535.8 %

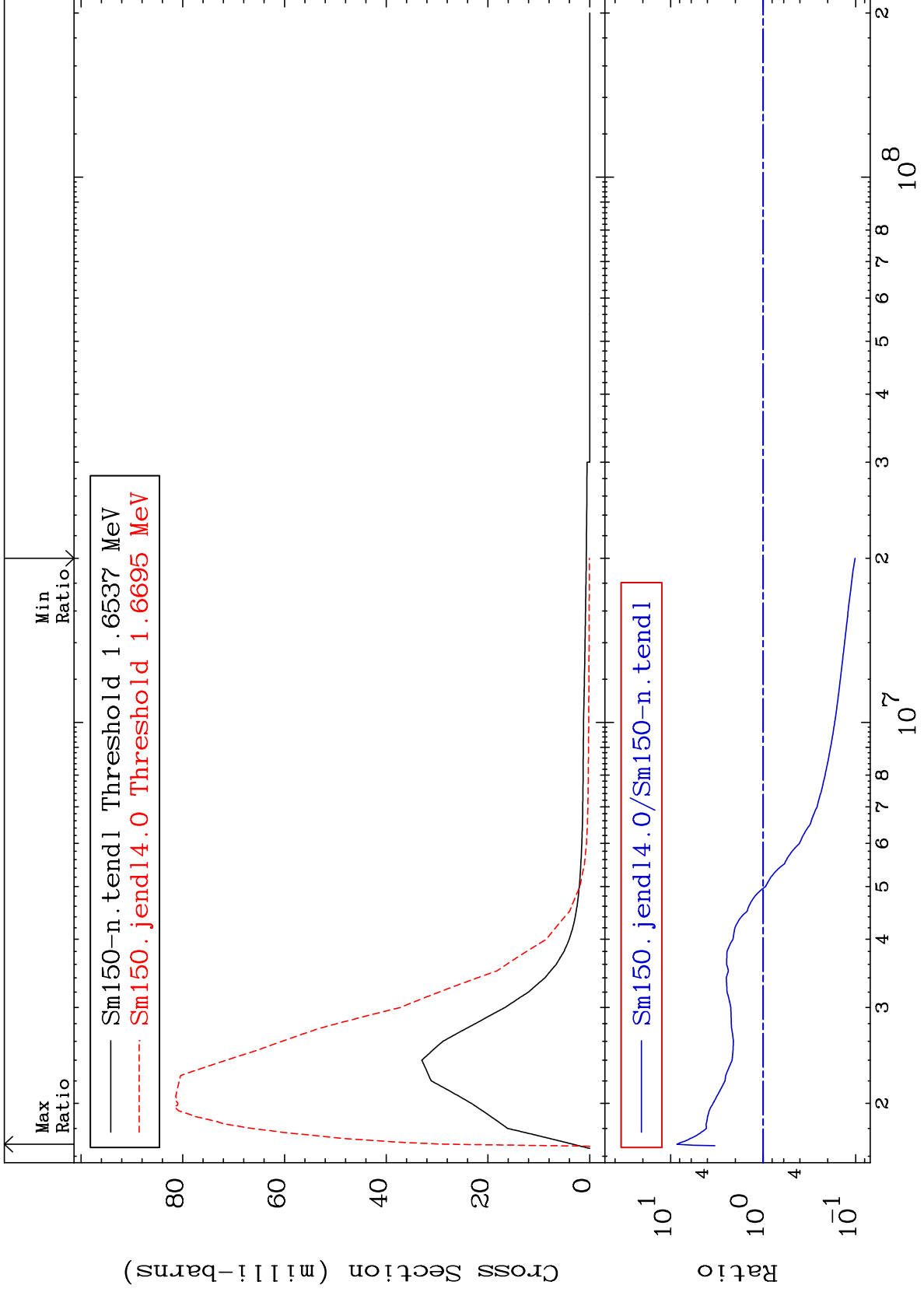




MAT 6243

1.643 MeV (n,n') Level  
Cross Section

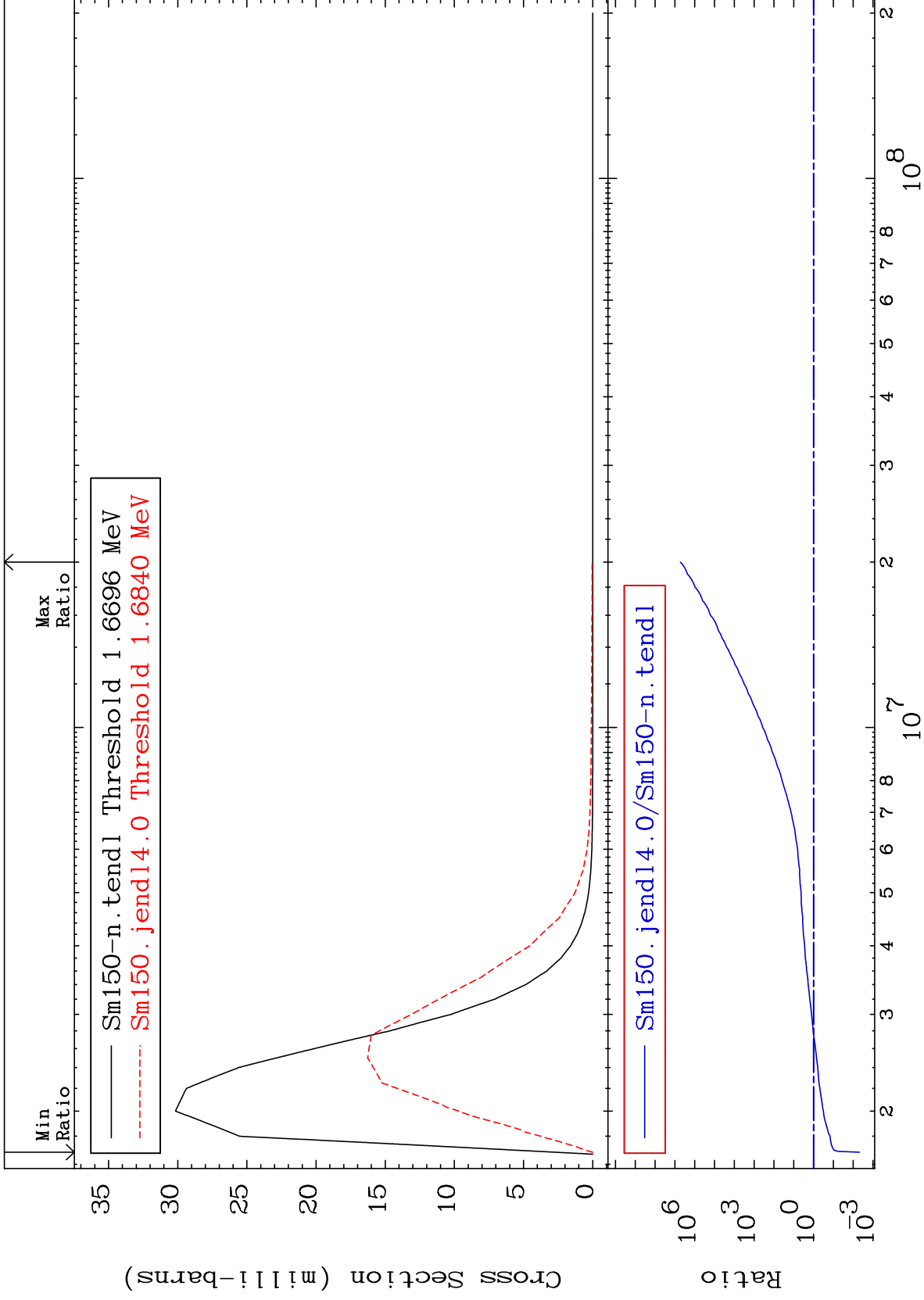
62-Sm-150  
-89.86 To 755.9 %



MAT 6243

1.658 MeV (n,n') Level  
Cross Section

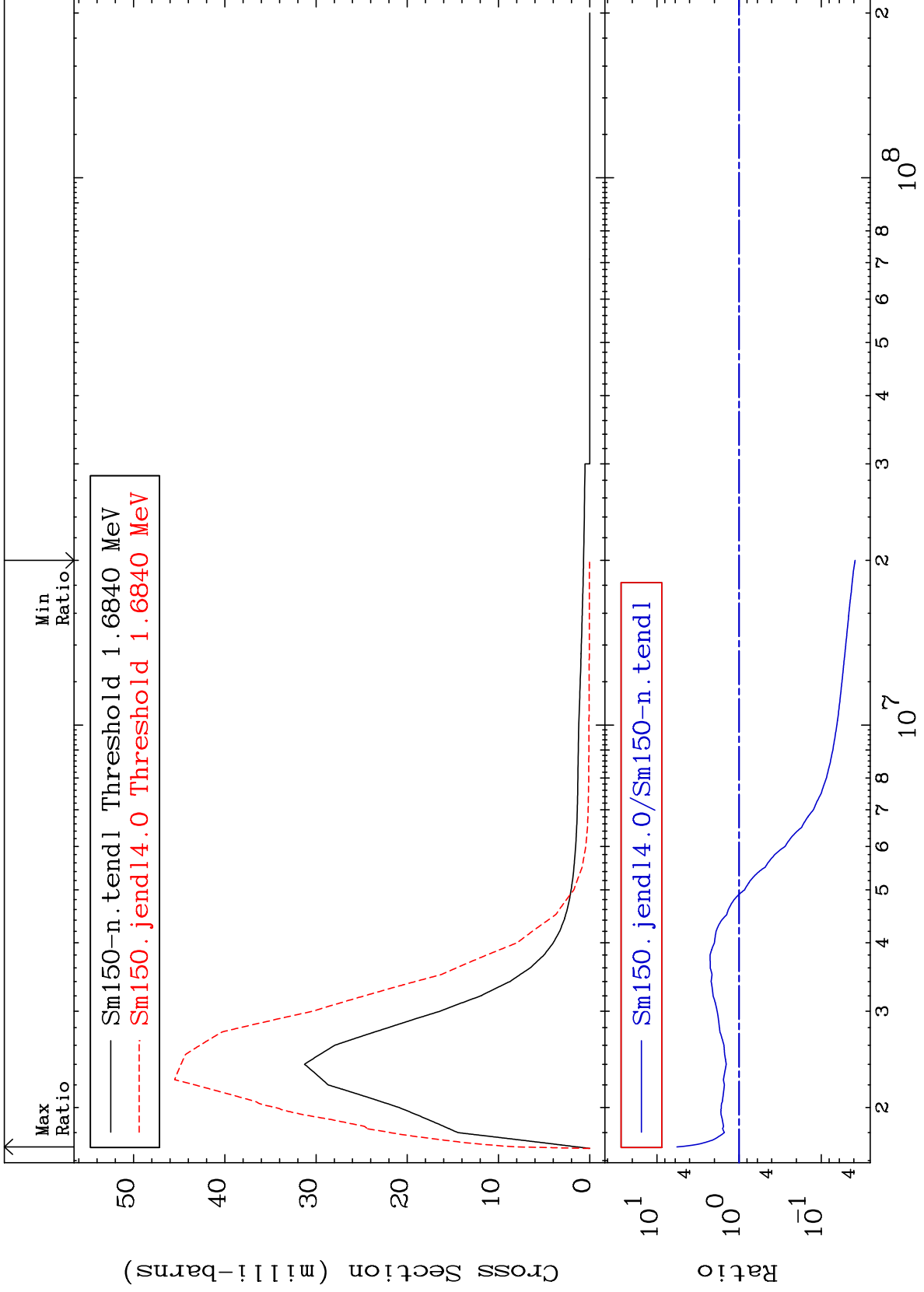
62-Sm-150  
-99.51 To 9999. %



MAT 6243

1.673 MeV (n,n') Level  
Cross Section

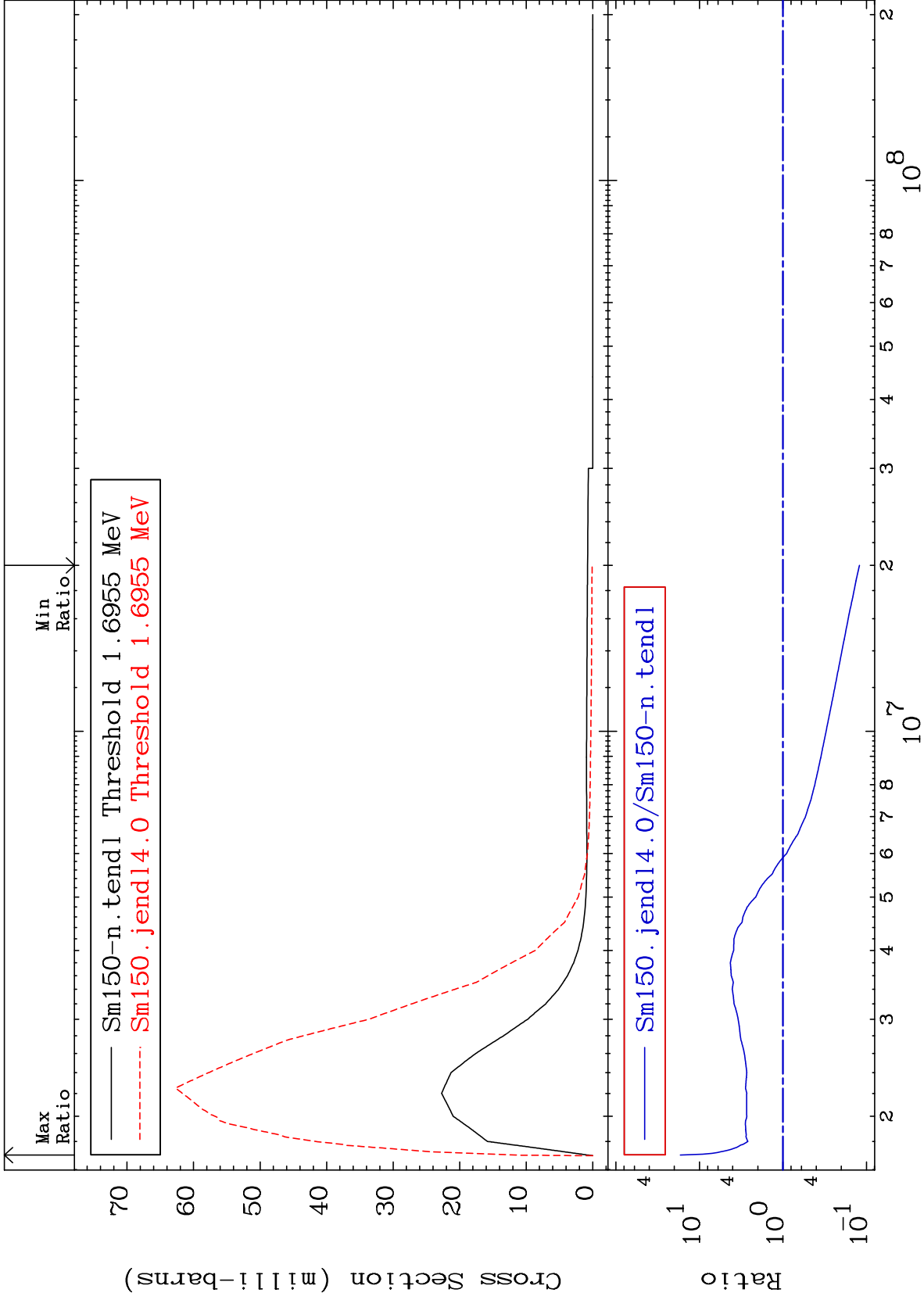
62-Sm-150  
-96.14 To 471.0 %



MAT 6243

1.684 MeV (n,n') Level  
Cross Section

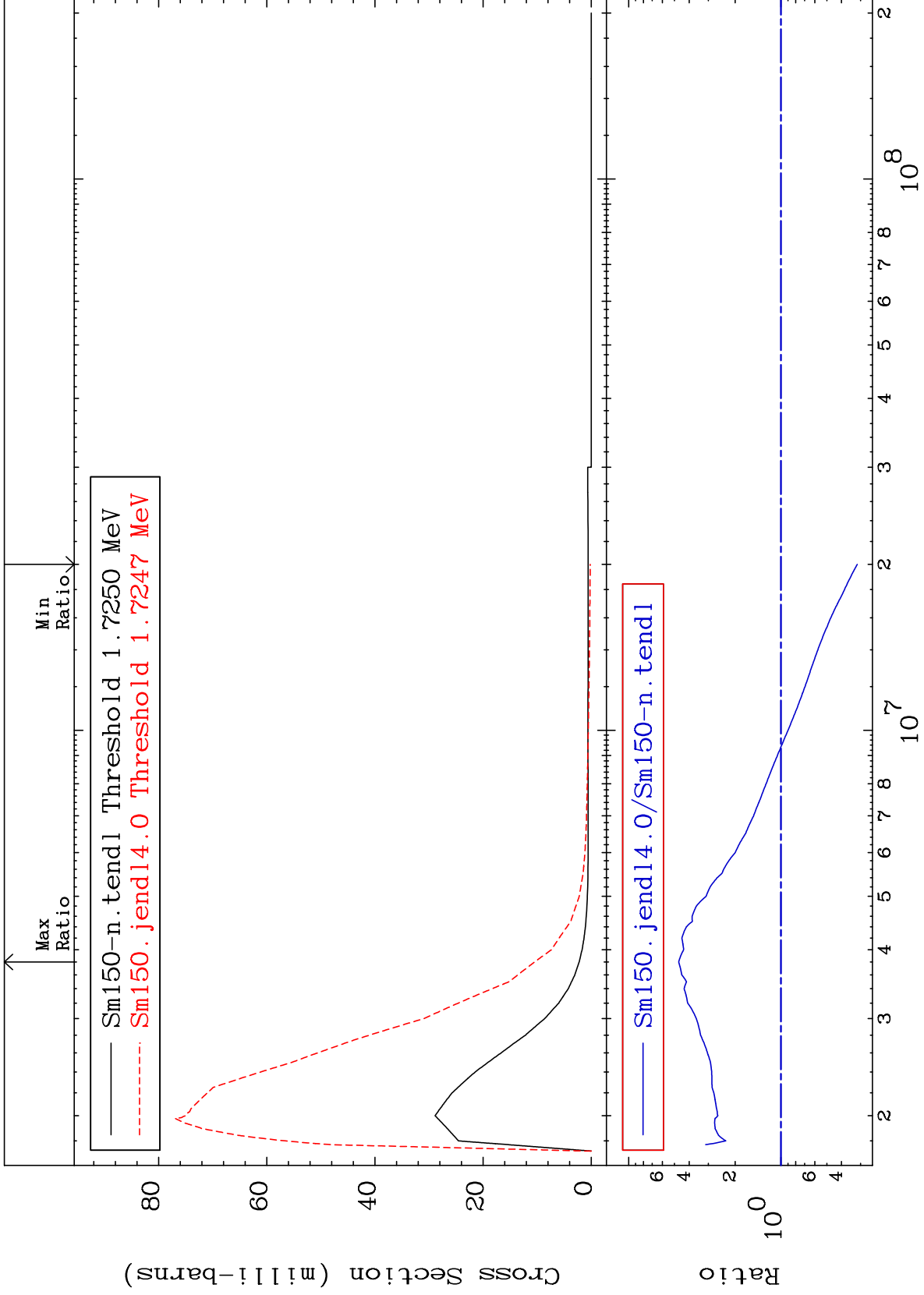
62-Sm-150  
-87.87 To 1592. %



MAT 6243

1.714 MeV (n,n') Level  
Cross Section

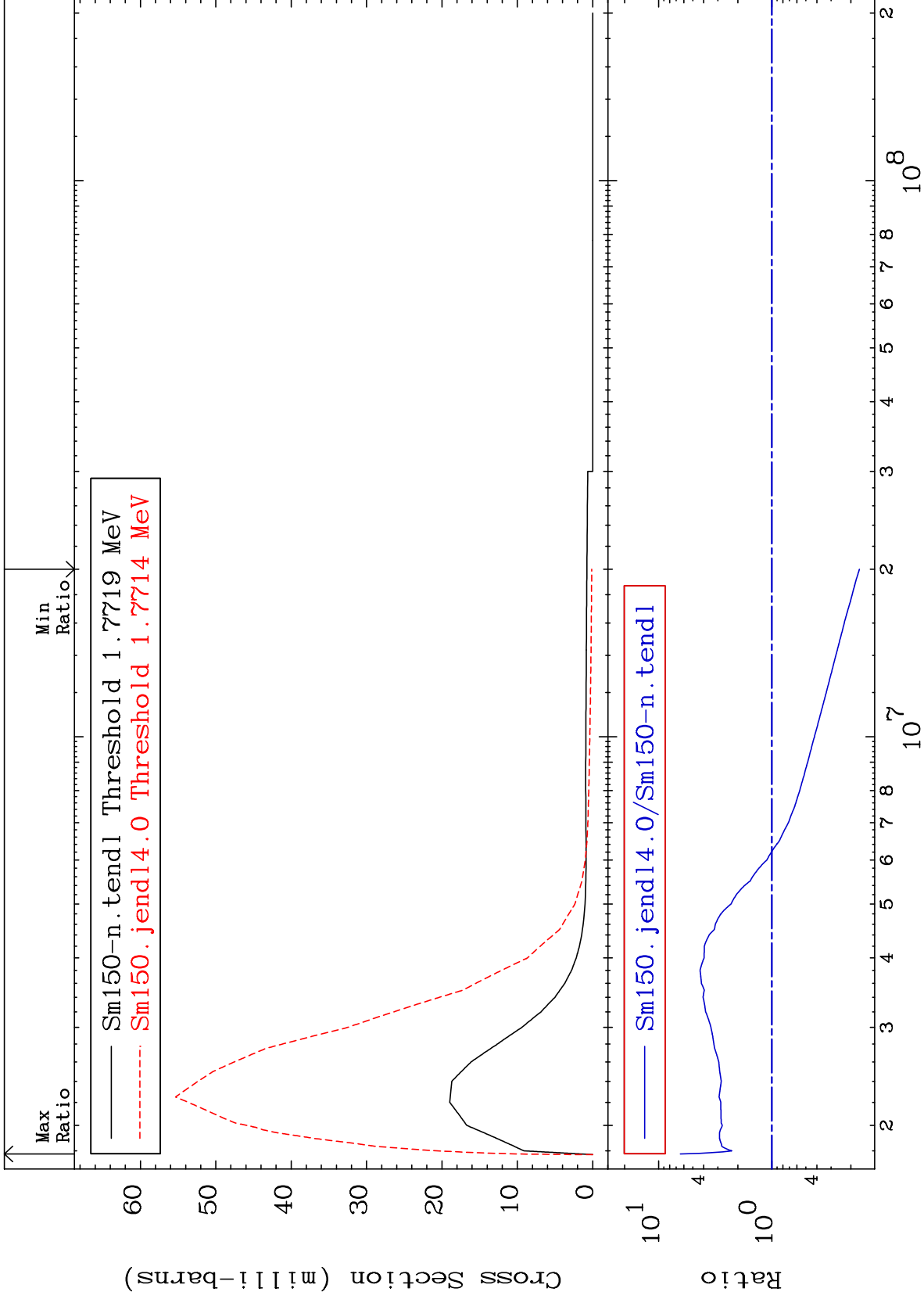
62-Sm-150  
-68.46 To 369.6 %



MAT 6243

1.760 MeV (n,n') Level  
Cross Section

62-Sm-150  
-83.17 To 543.6 %



30

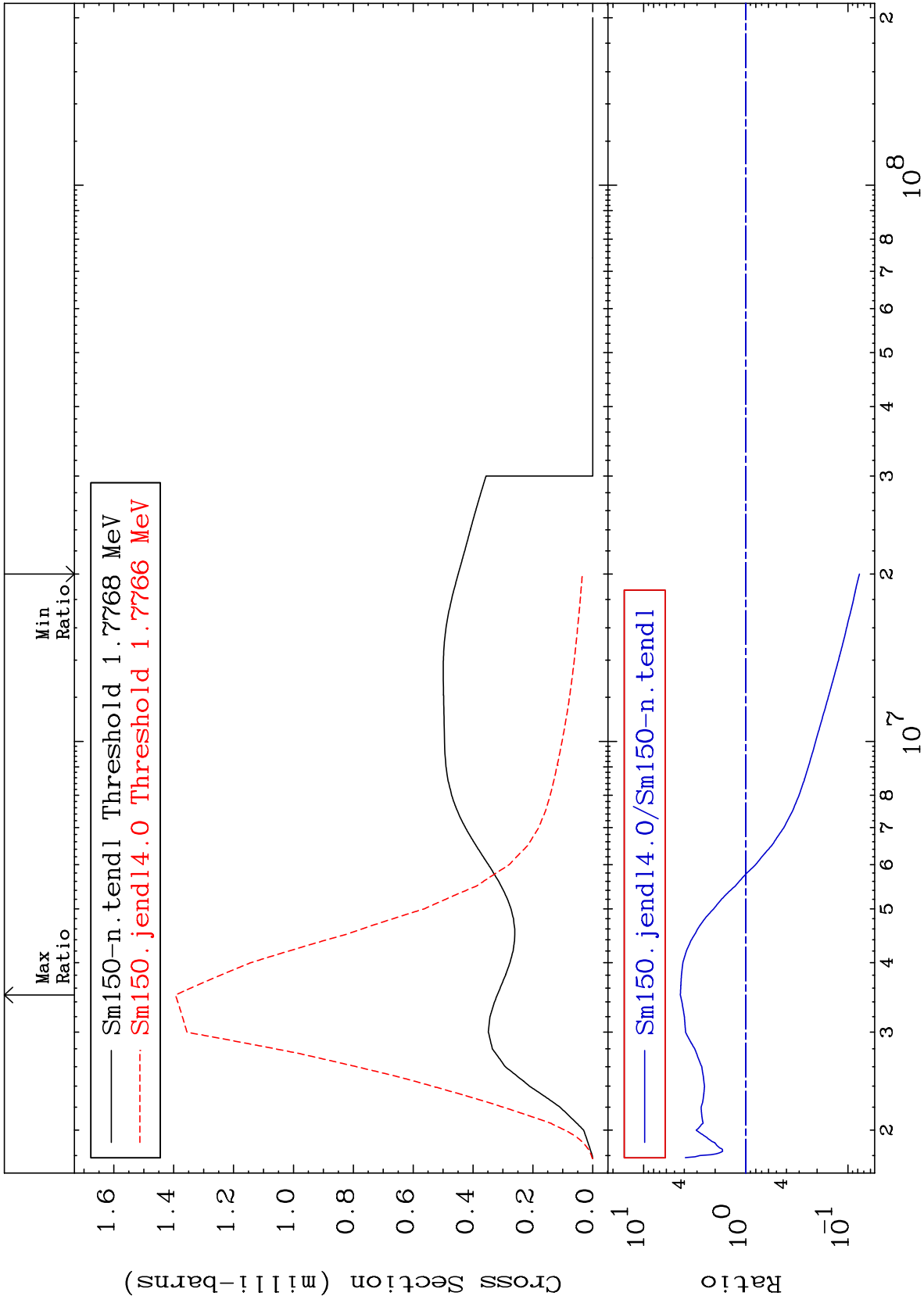
Incident Energy (eV)

62-Sm-150

MAT 6243

1.765 MeV (n,n') Level  
Cross Section

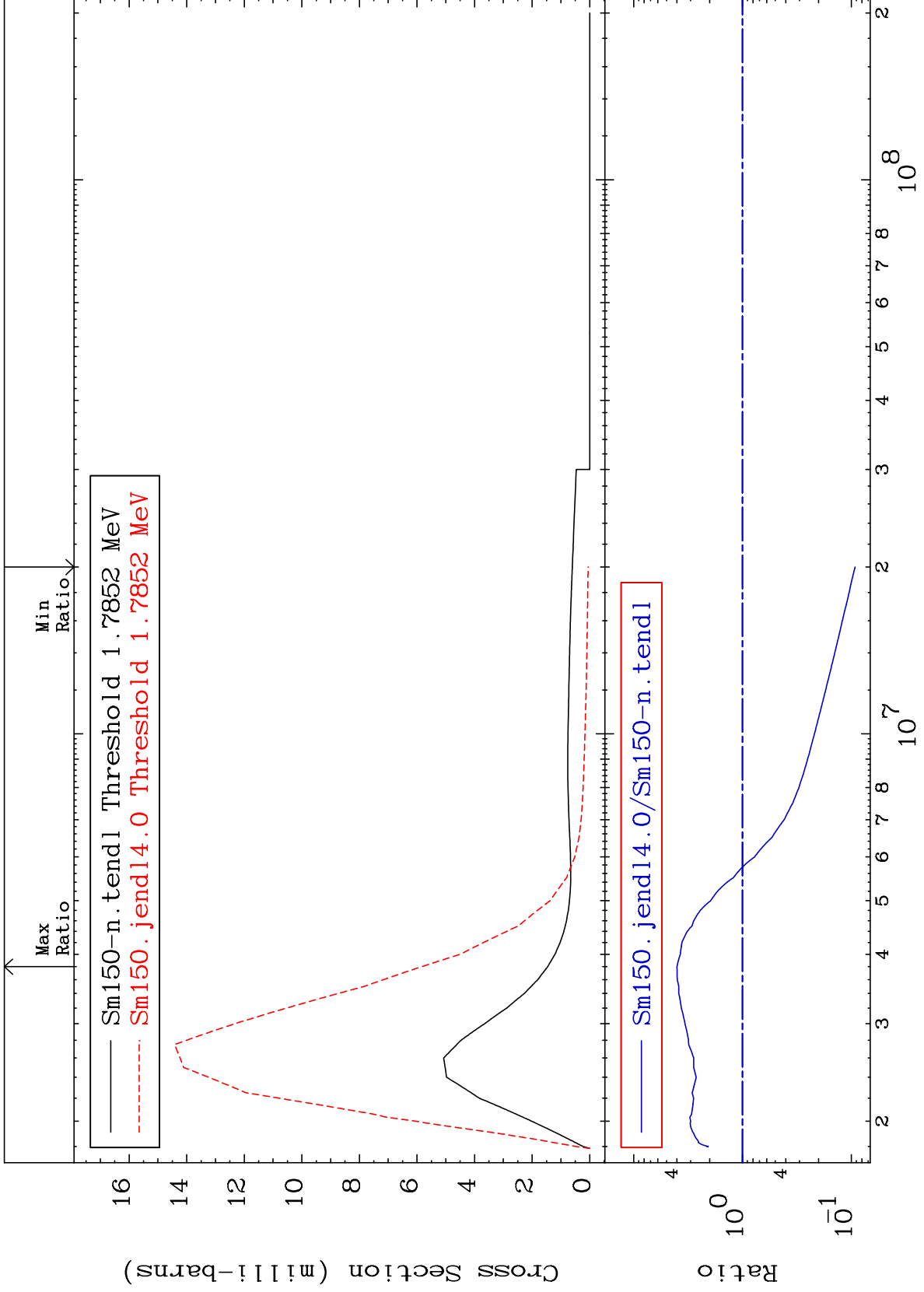
62-Sm-150  
-92.29 To 337.4 %



MAT 6243

1.773 MeV (n,n') Level  
Cross Section

62-Sm-150  
-90.76 To 300.3 %

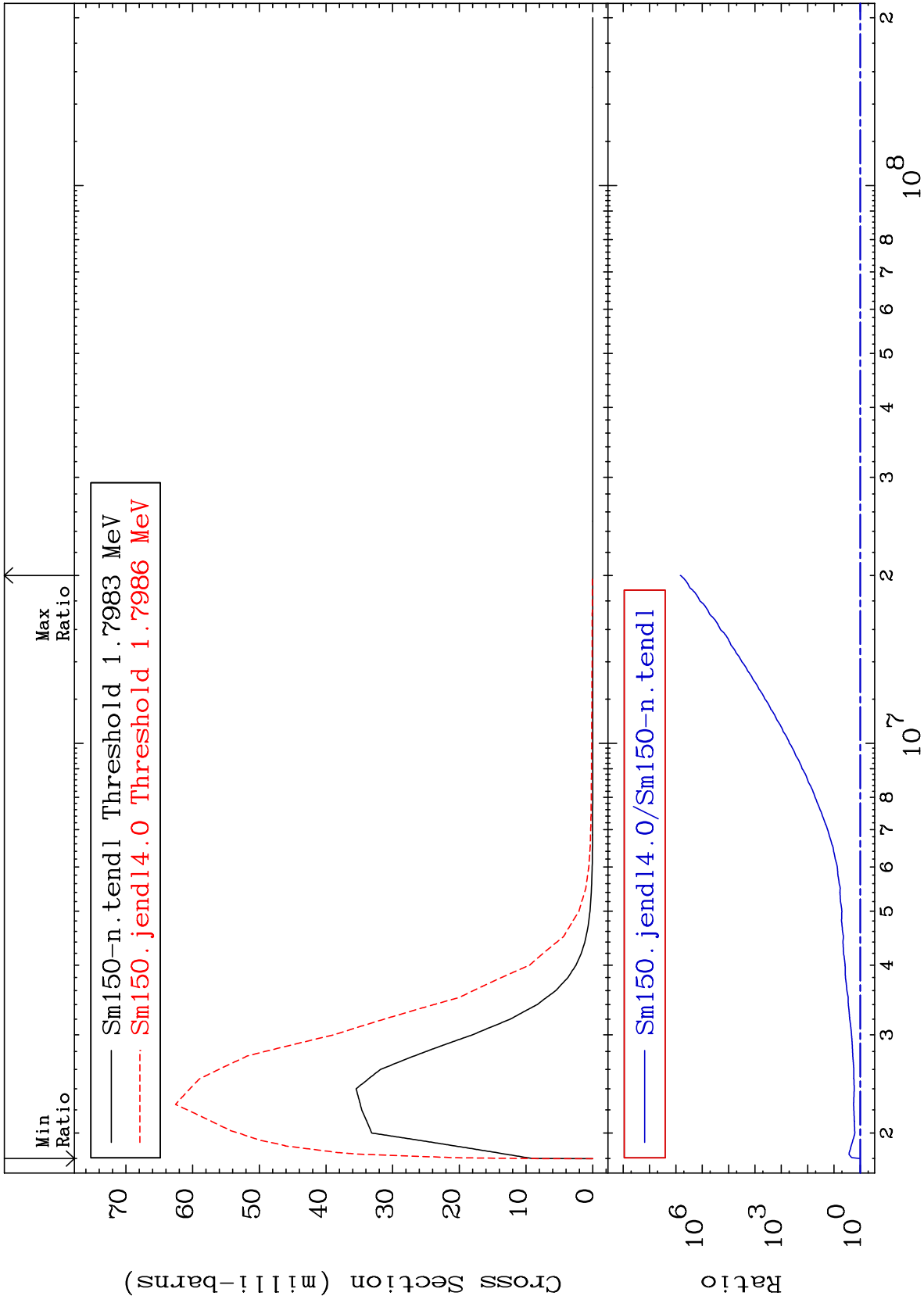




MAT 6243

1.786 MeV (n,n') Level  
Cross Section

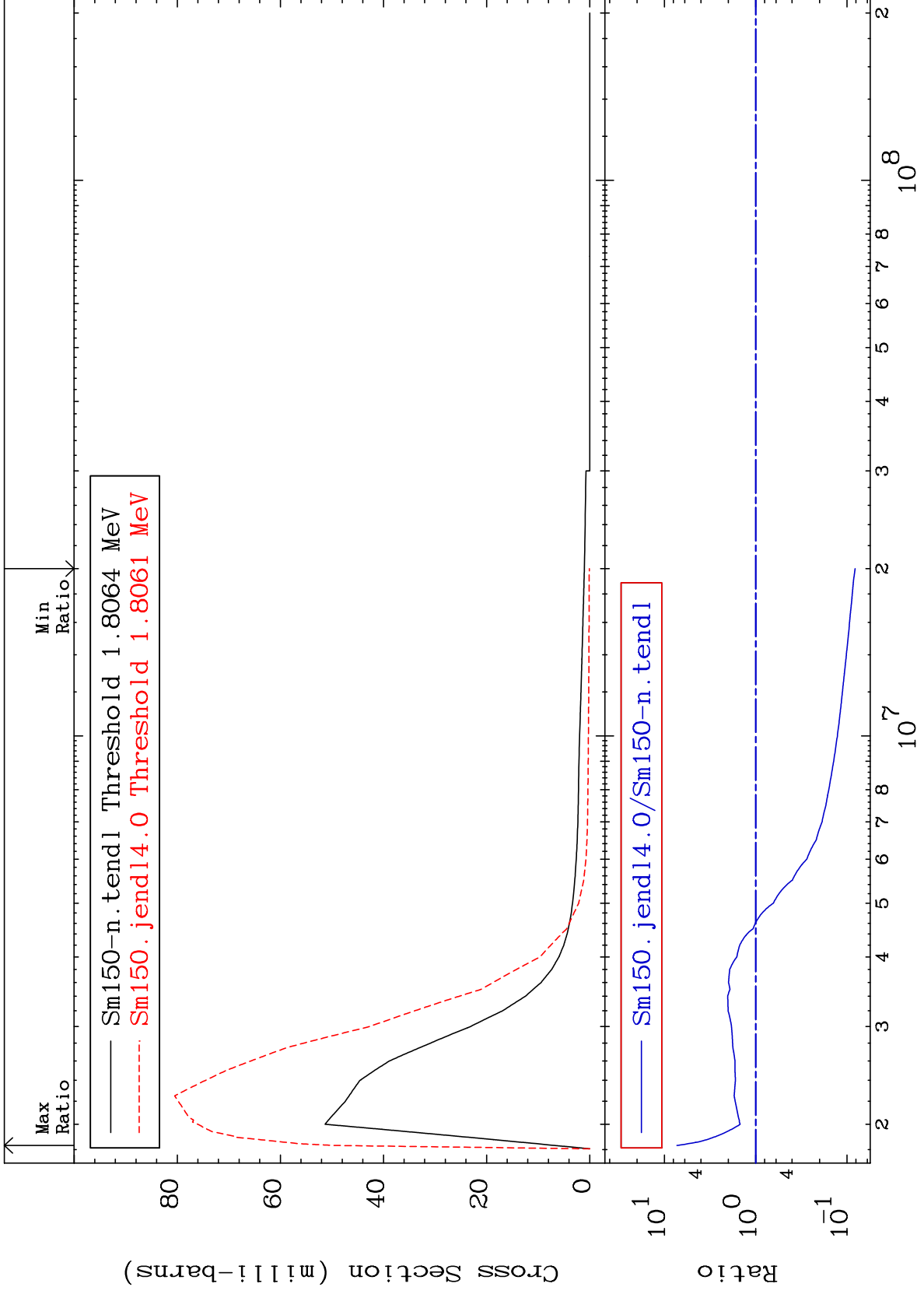
62-Sm-150  
8.042 To 9999. %



MAT 6243

1.794 MeV (n,n') Level  
Cross Section

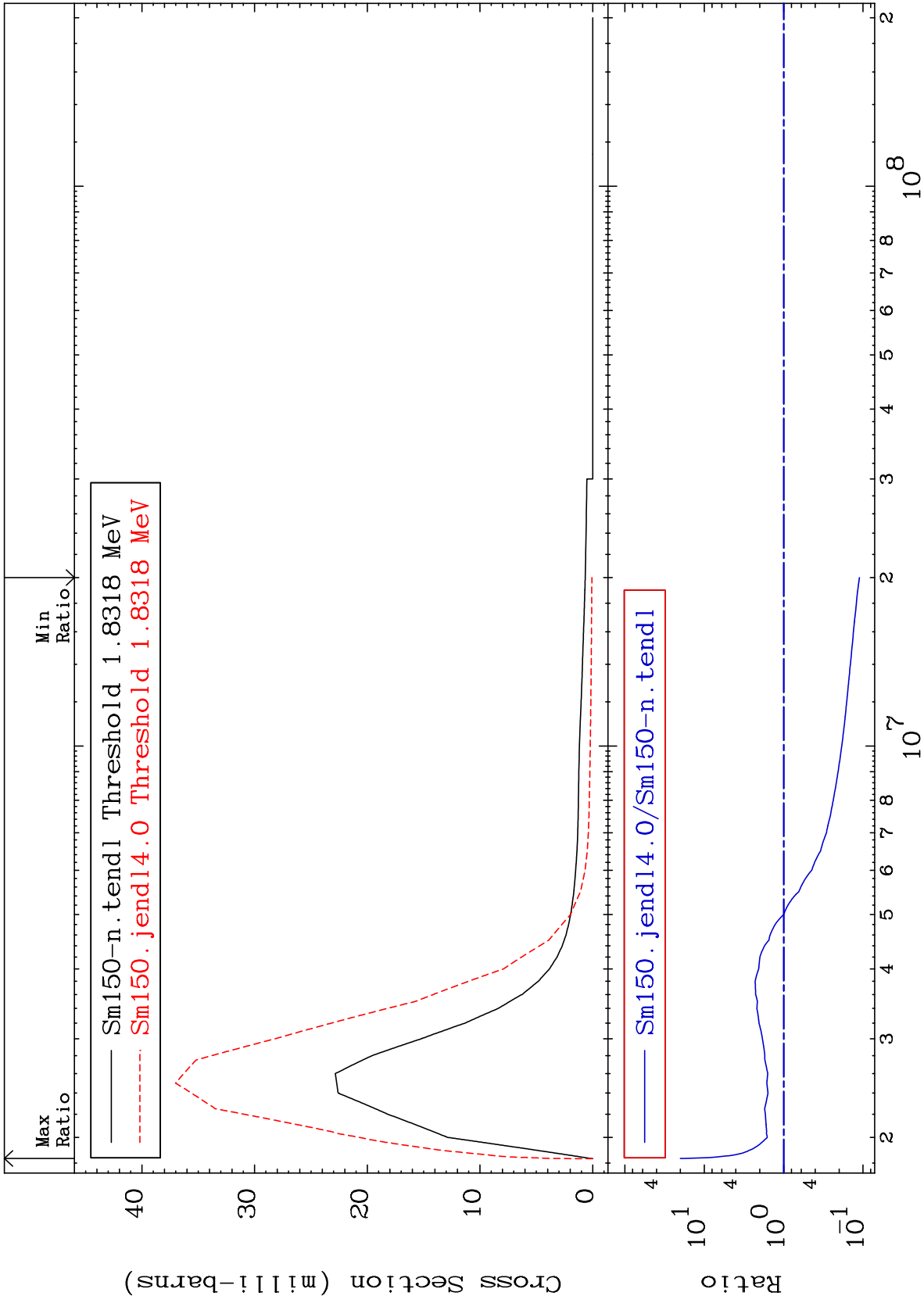
62-Sm-150  
-91.84 To 631.4 %



MAT 6243

1.820 MeV (n,n') Level  
Cross Section

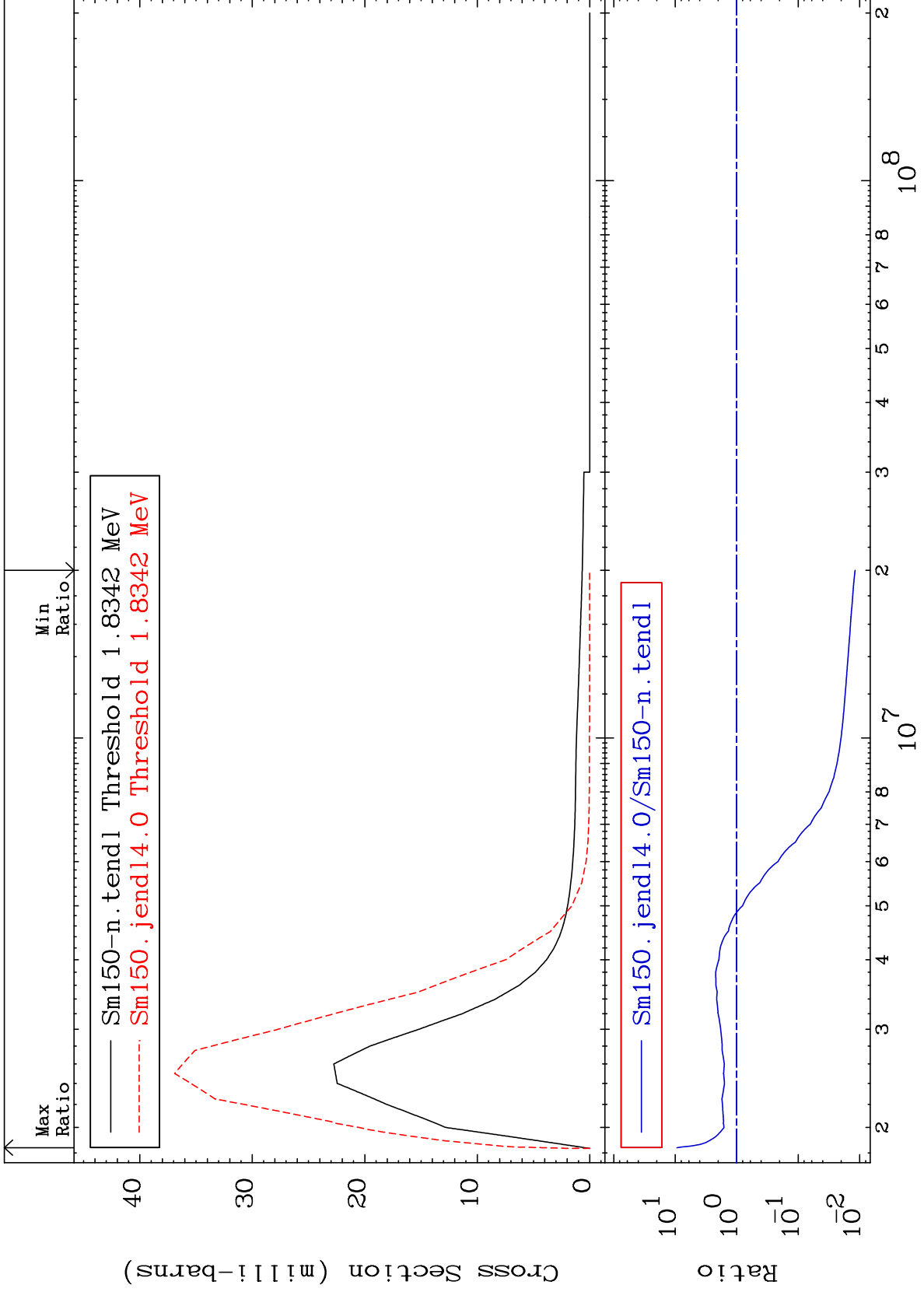
62-Sm-150  
-88.89 To 1900. %



MAT 6243

1.822 MeV (n,n') Level  
Cross Section

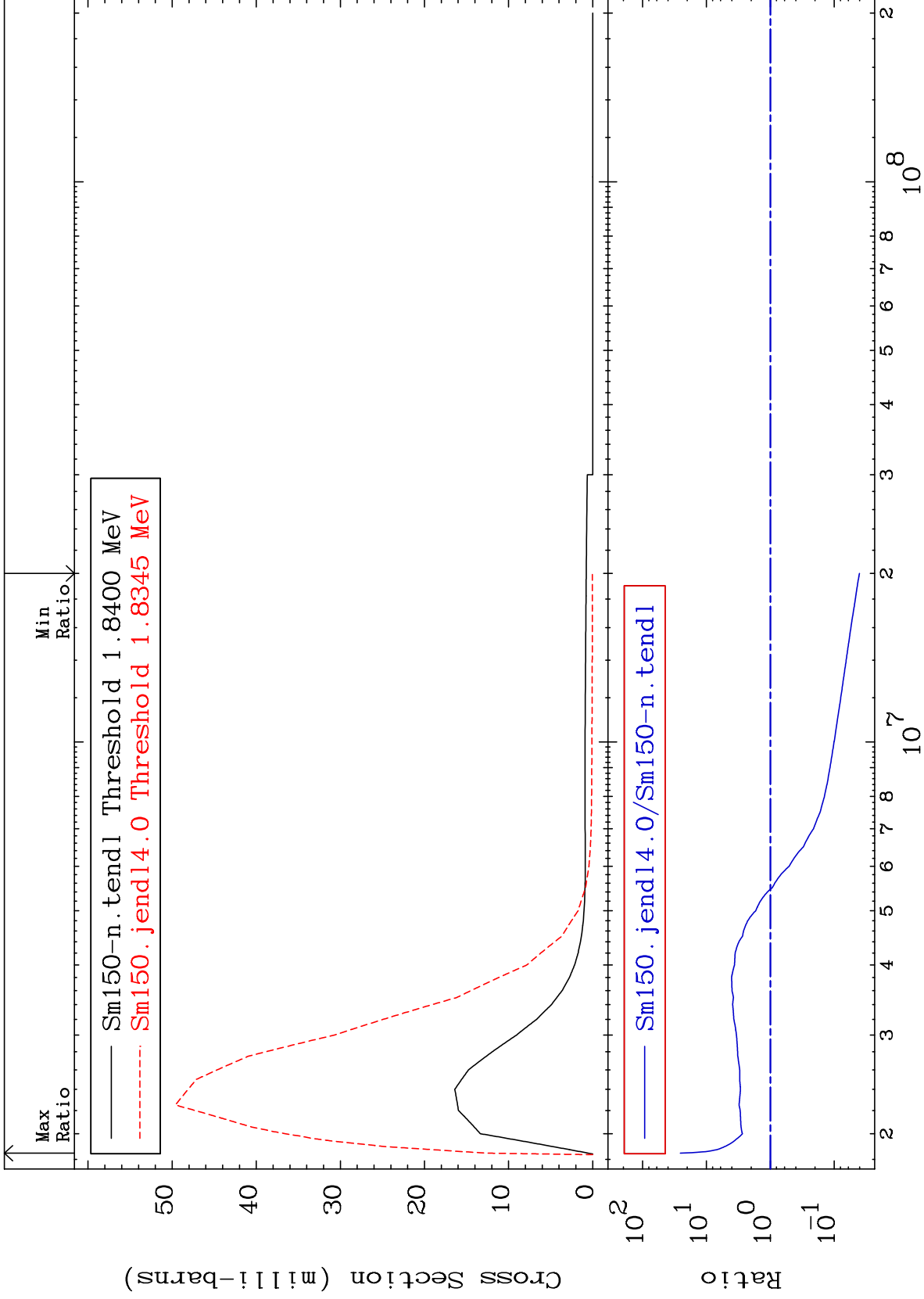
62-Sm-150  
-98.81 To 838.2 %



MAT 6243

1.828 MeV (n,n') Level  
Cross Section

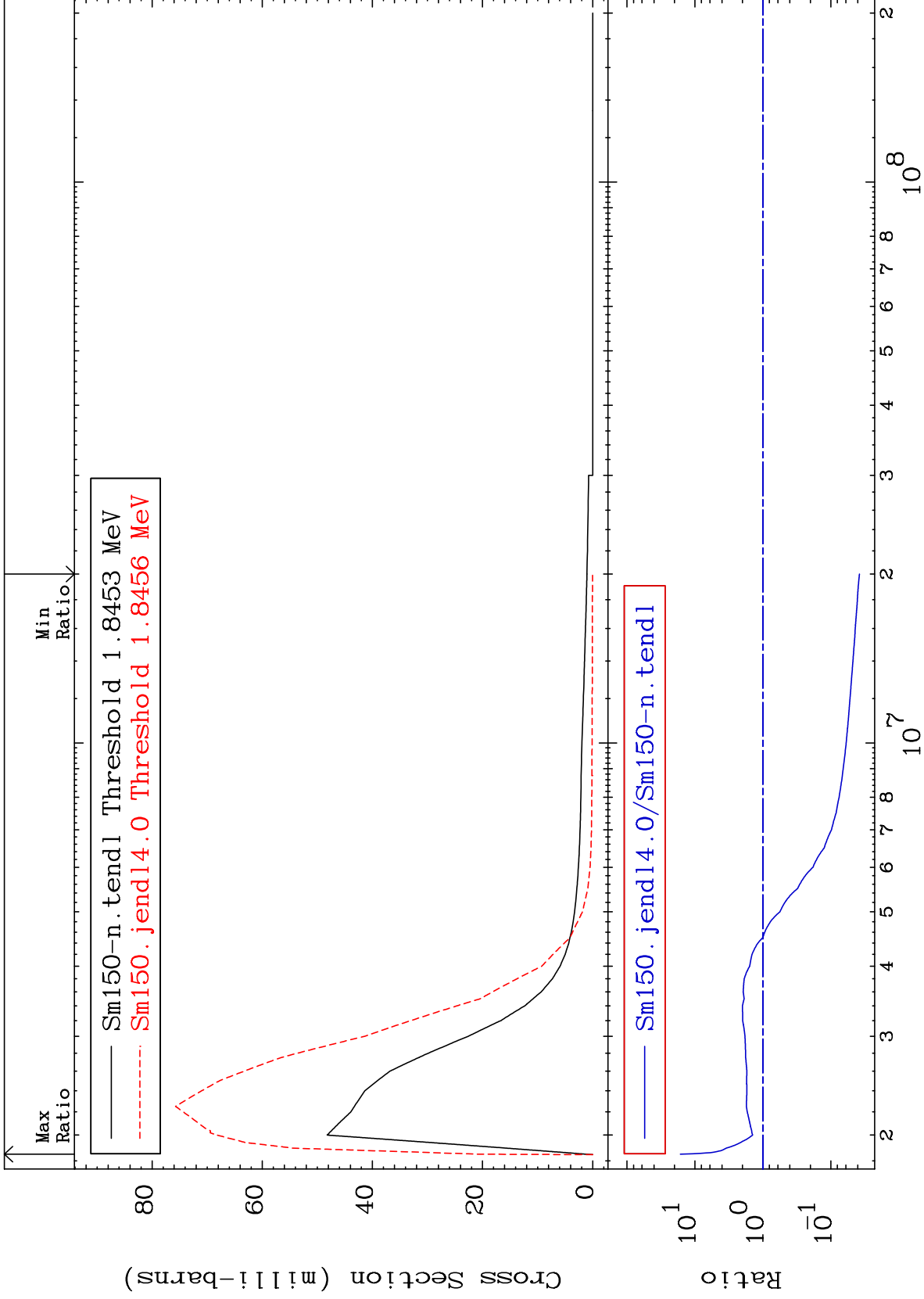
62-Sm-150  
-95.97 To 2464. %



MAT 6243

1.833 MeV (n,n') Level  
Cross Section

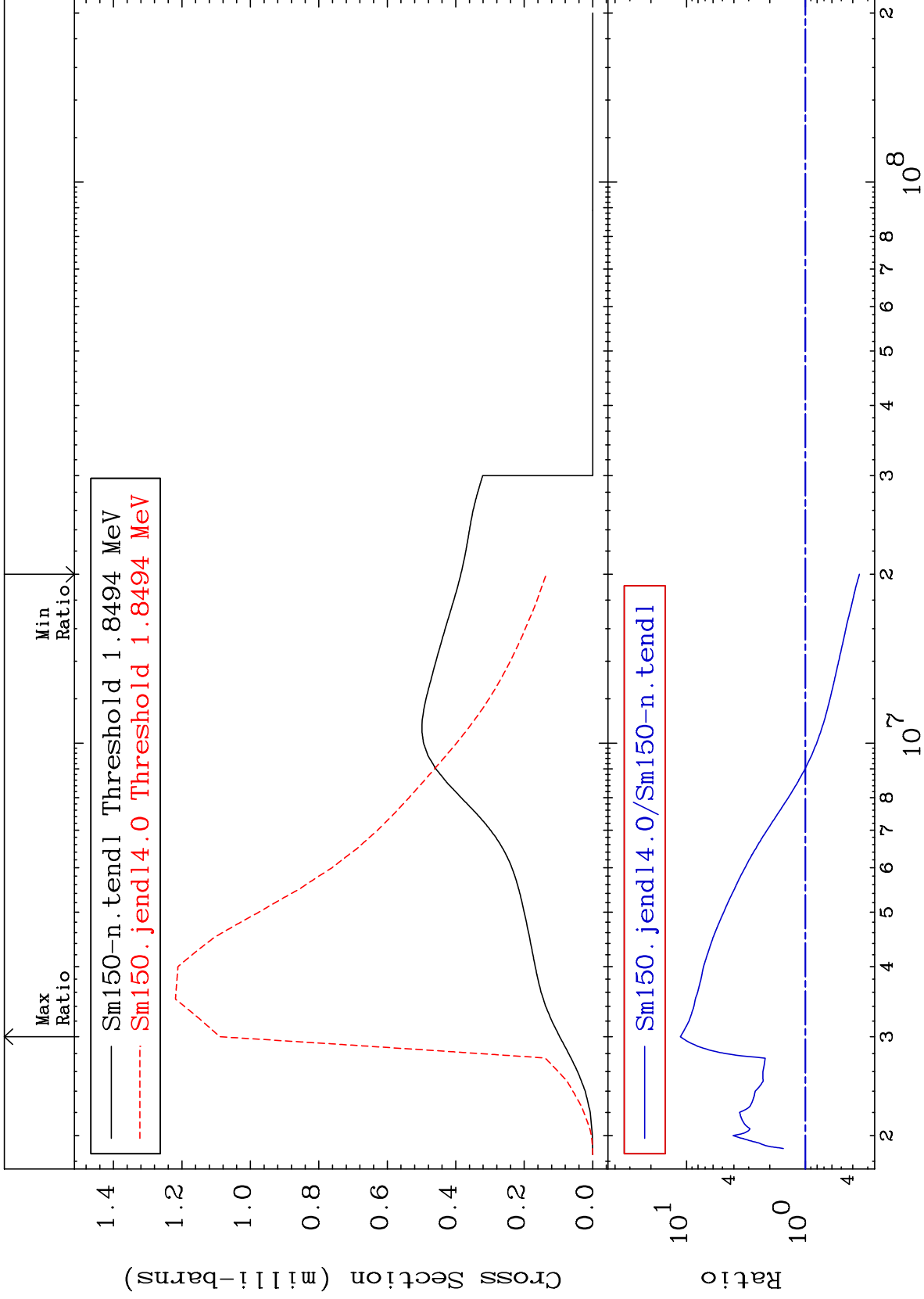
62-Sm-150  
-96.21 To 1536. %



MAT 6243

1.837 MeV (n,n') Level  
Cross Section

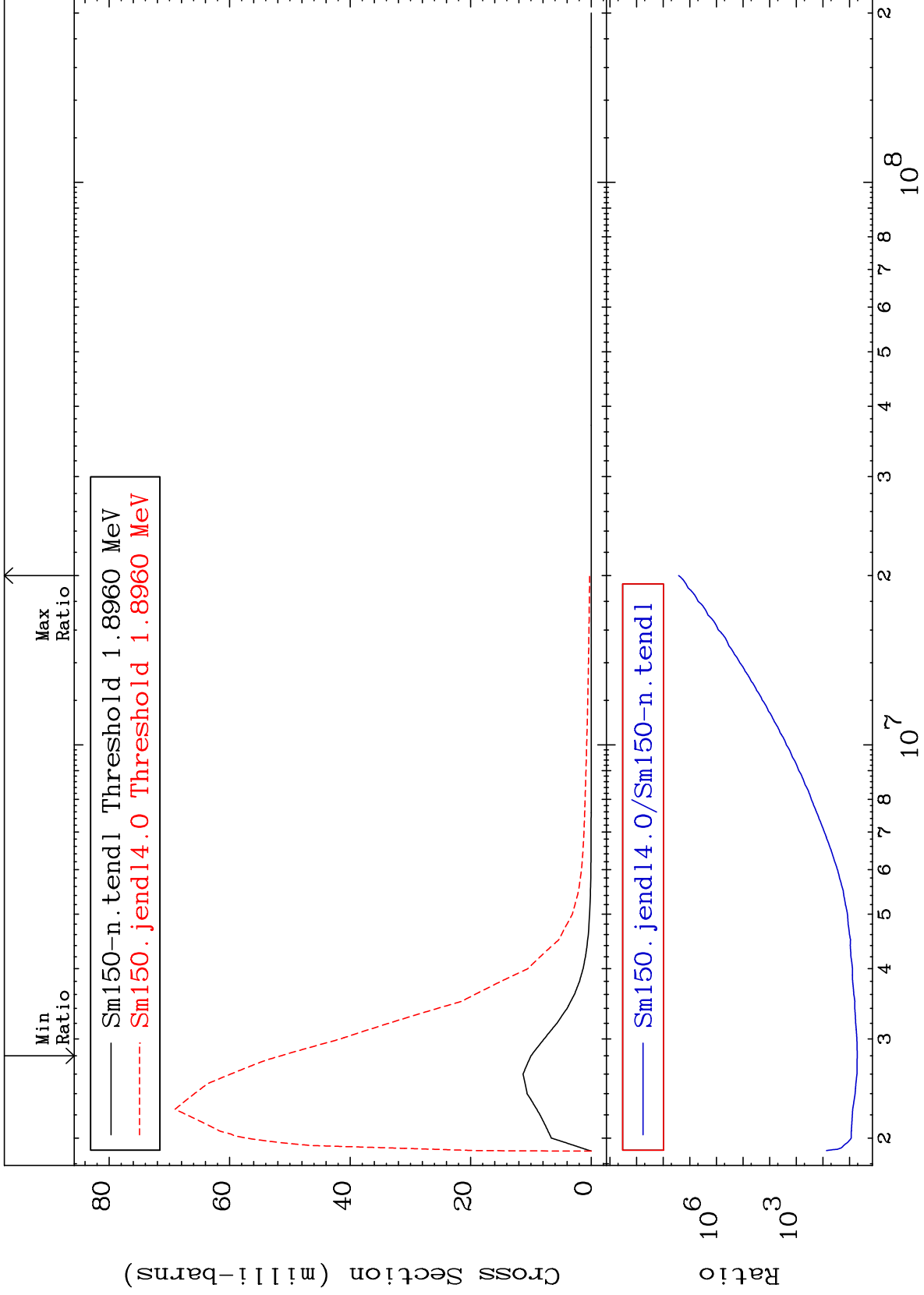
62-Sm-150  
-64.81 To 1029. %



MAT 6243

1.883 MeV (n,n') Level  
Cross Section

62-Sm-150  
415.1 To 9999. %



40

Incident Energy (eV)

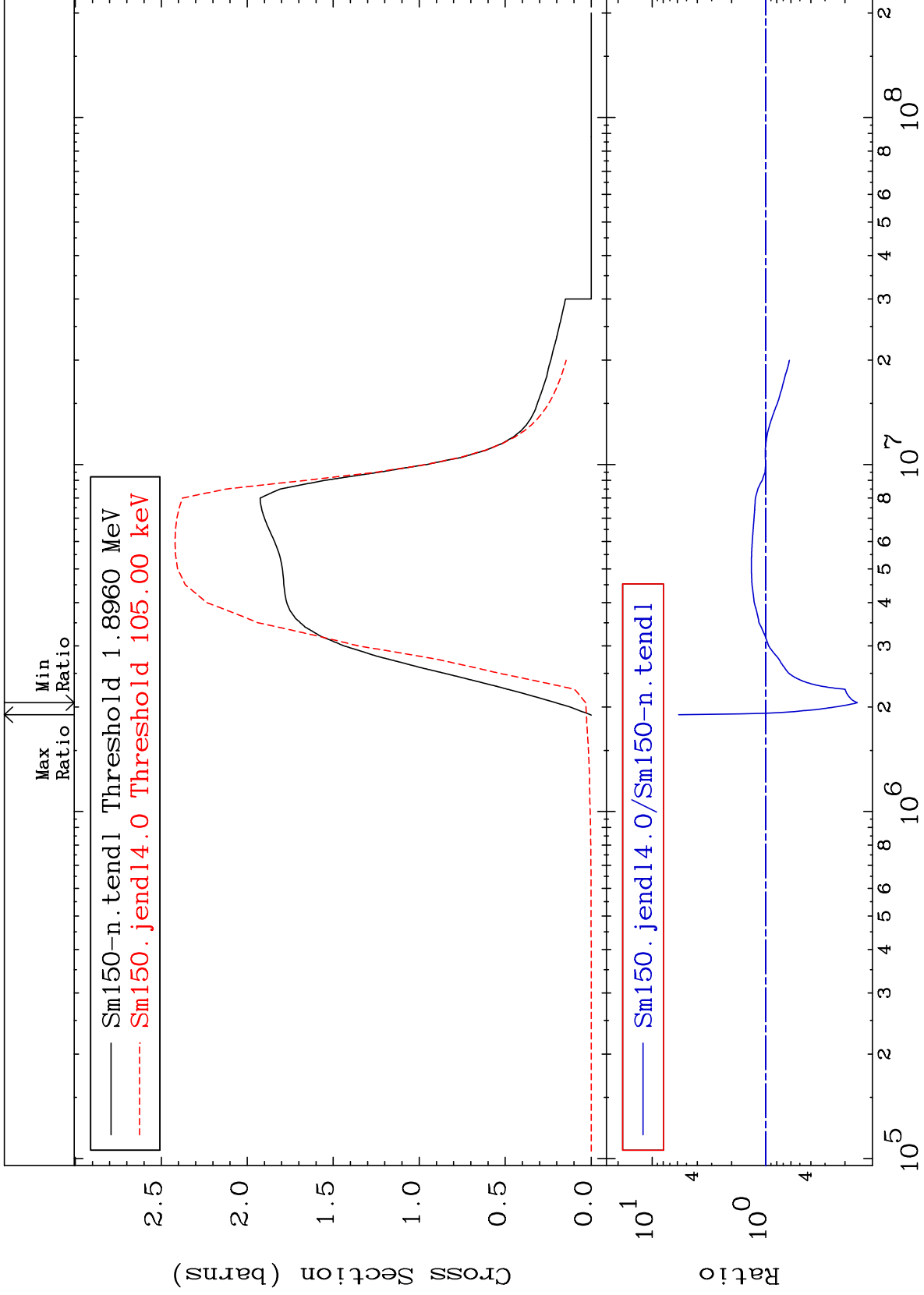
62-Sm-150



MAT 6243

(n, n') Continuum  
Cross Section

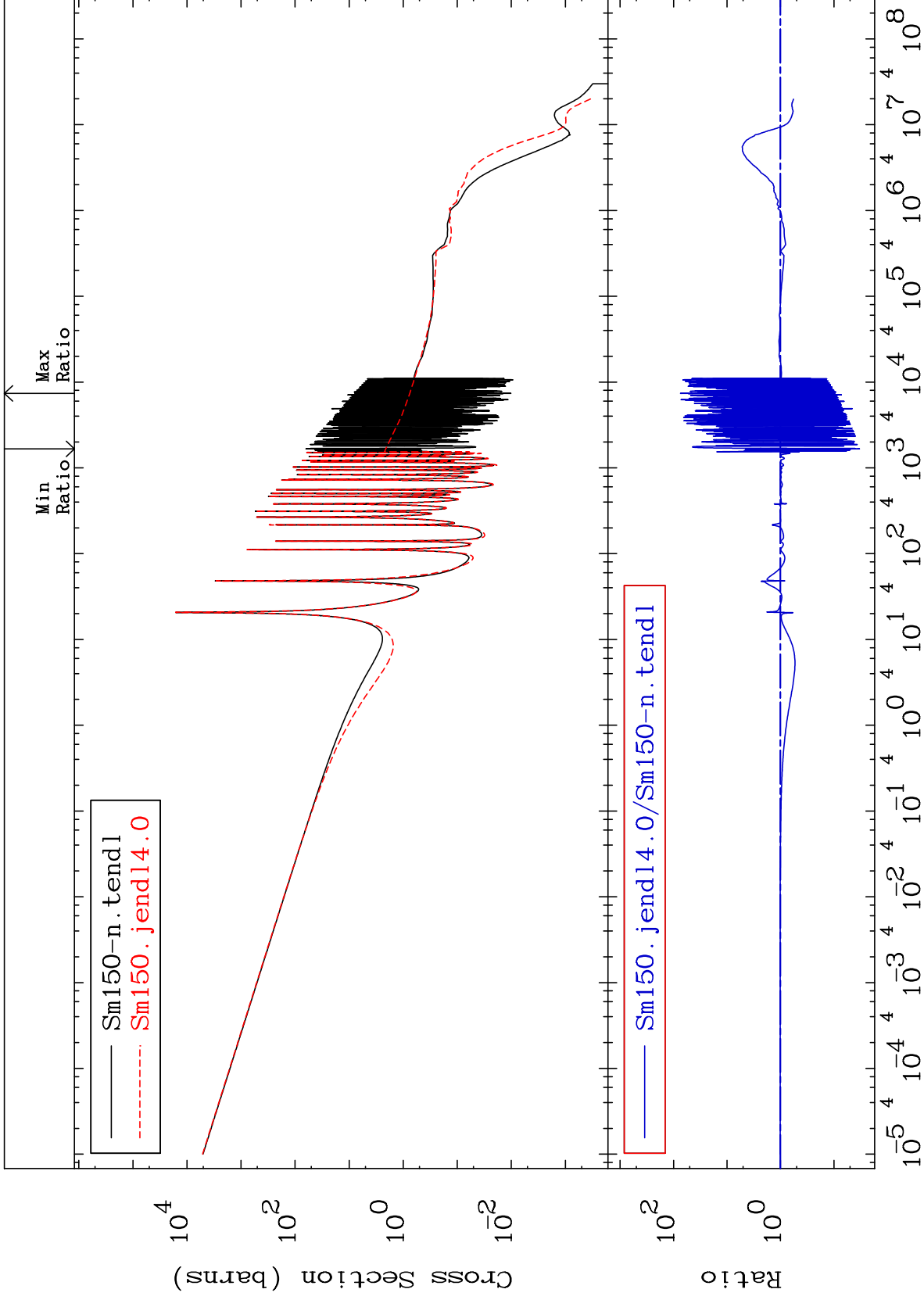
62-Sm-150  
-84.40 To 485.3 %



MAT 6243

(n,  $\gamma$ )  
Cross Section

62-Sm-150  
-96.66 To 7370. %



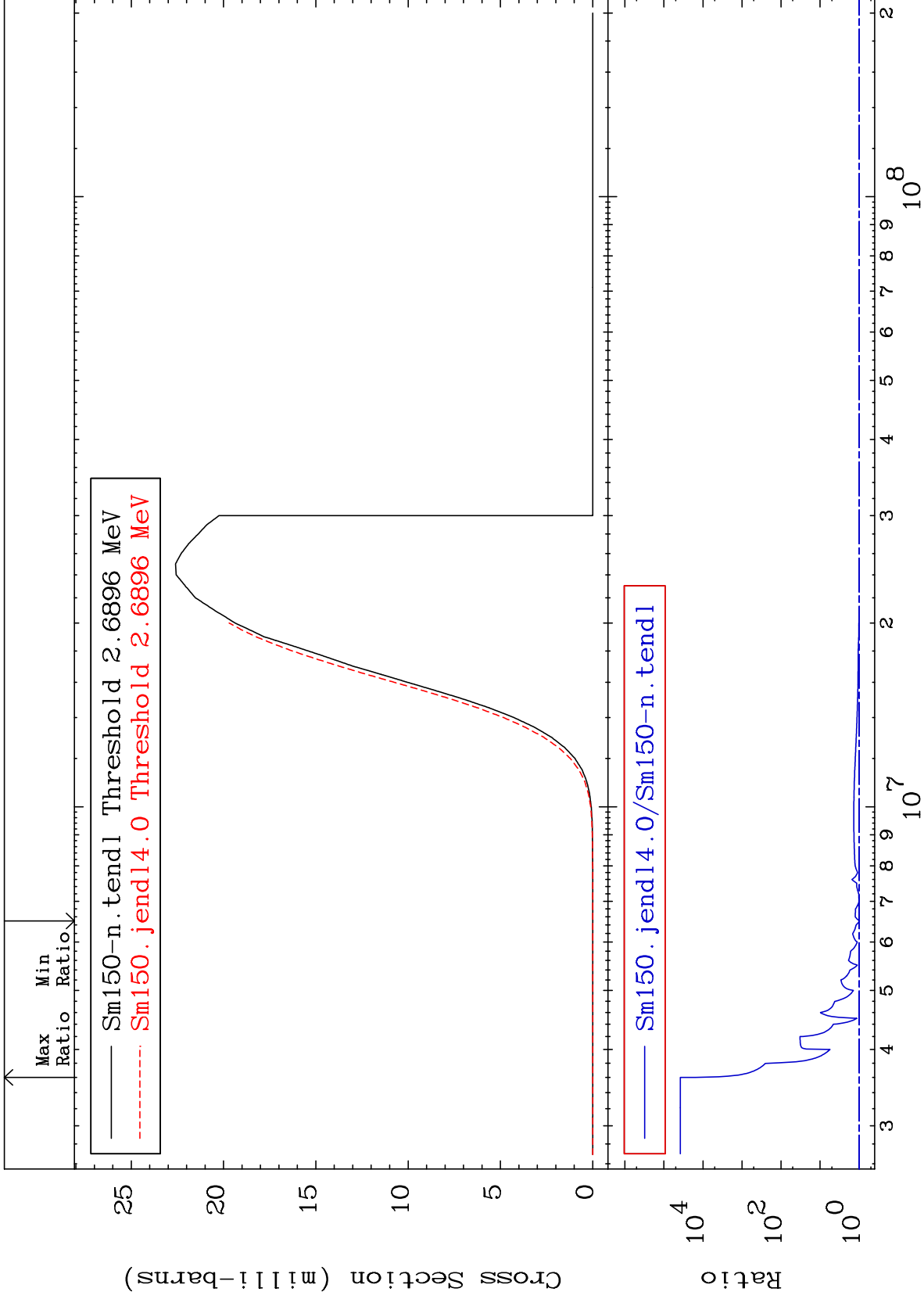
MAT 6243

(n,p)

62-Sm-150

Cross Section

-1.764 To 9999. %



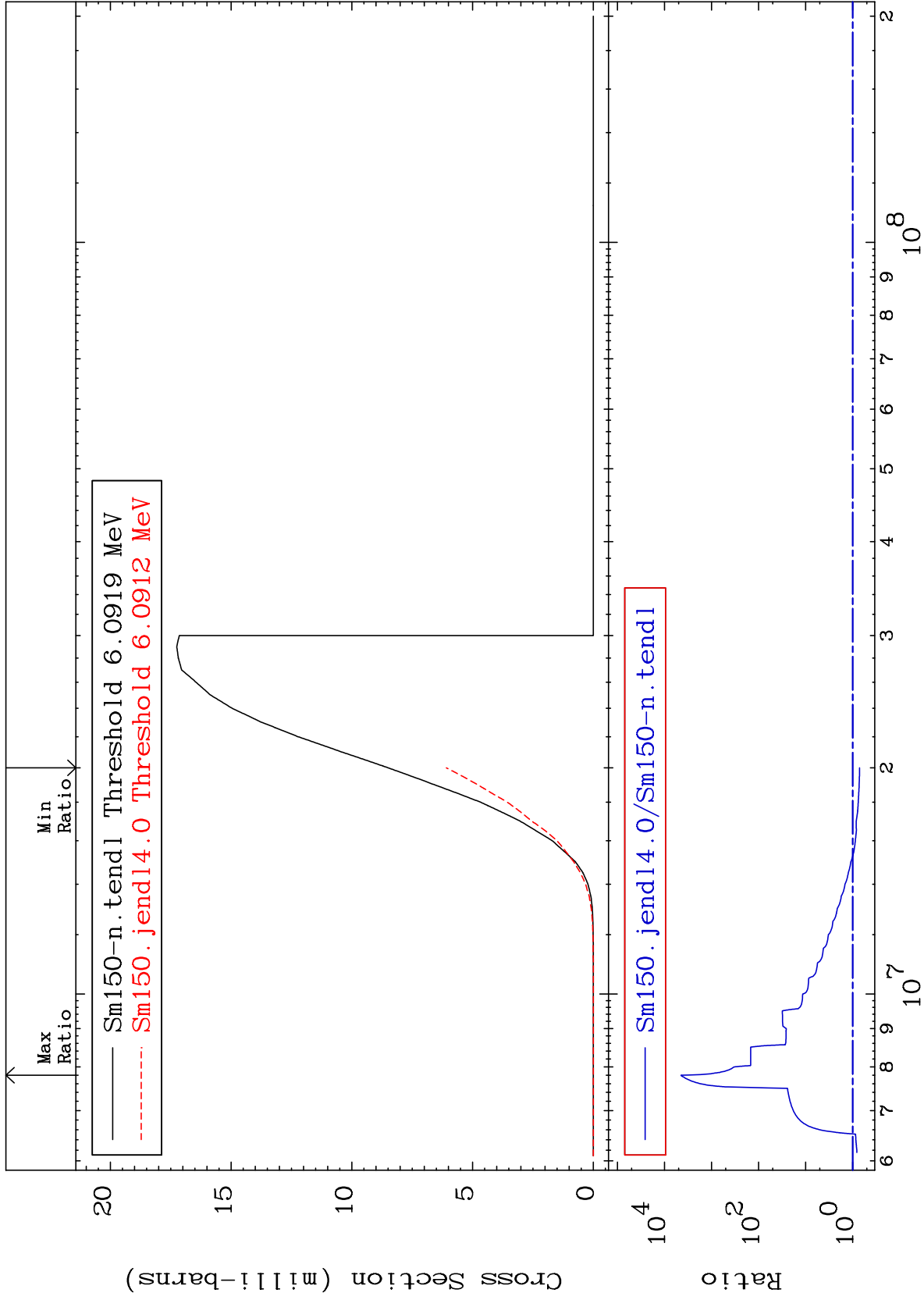
MAT 6243

(n, d)

62-Sm-150

Cross Section

-28.39 To 9999. %



44

62-Sm-150

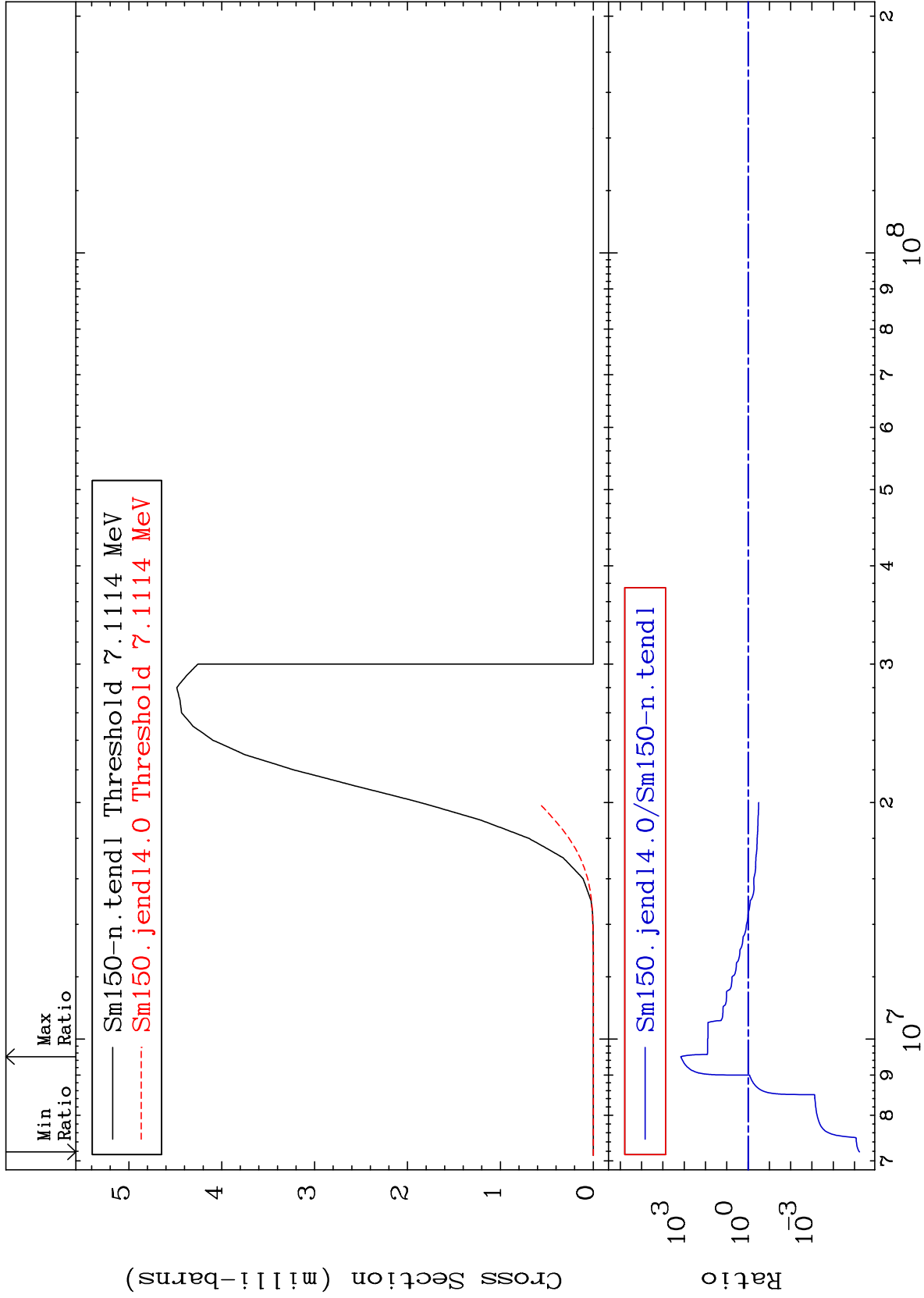
MAT 6243

(n, t)

62-Sm-150

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

62-Sm-150

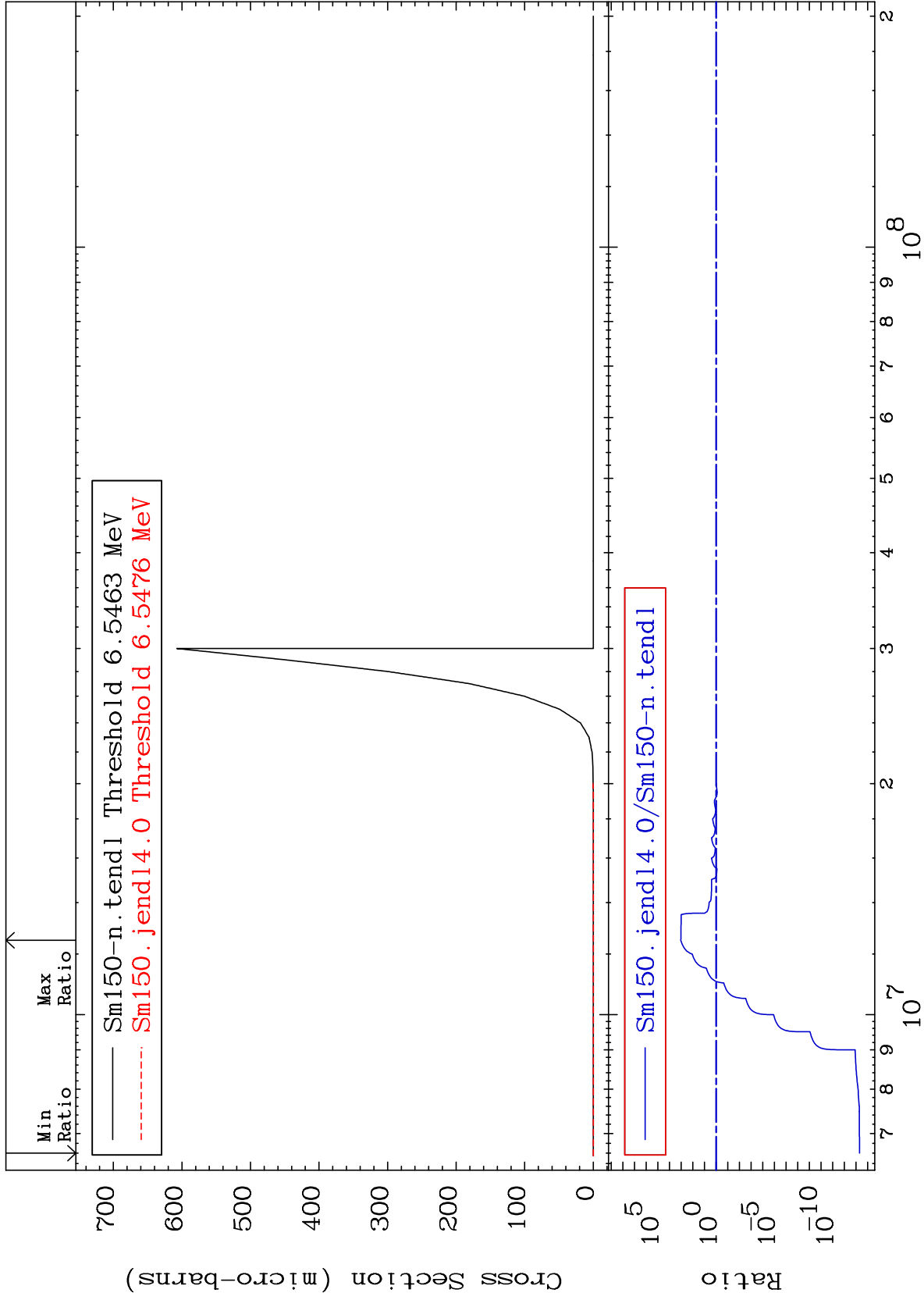
MAT 6243

(n, He-3)

62-Sm-150

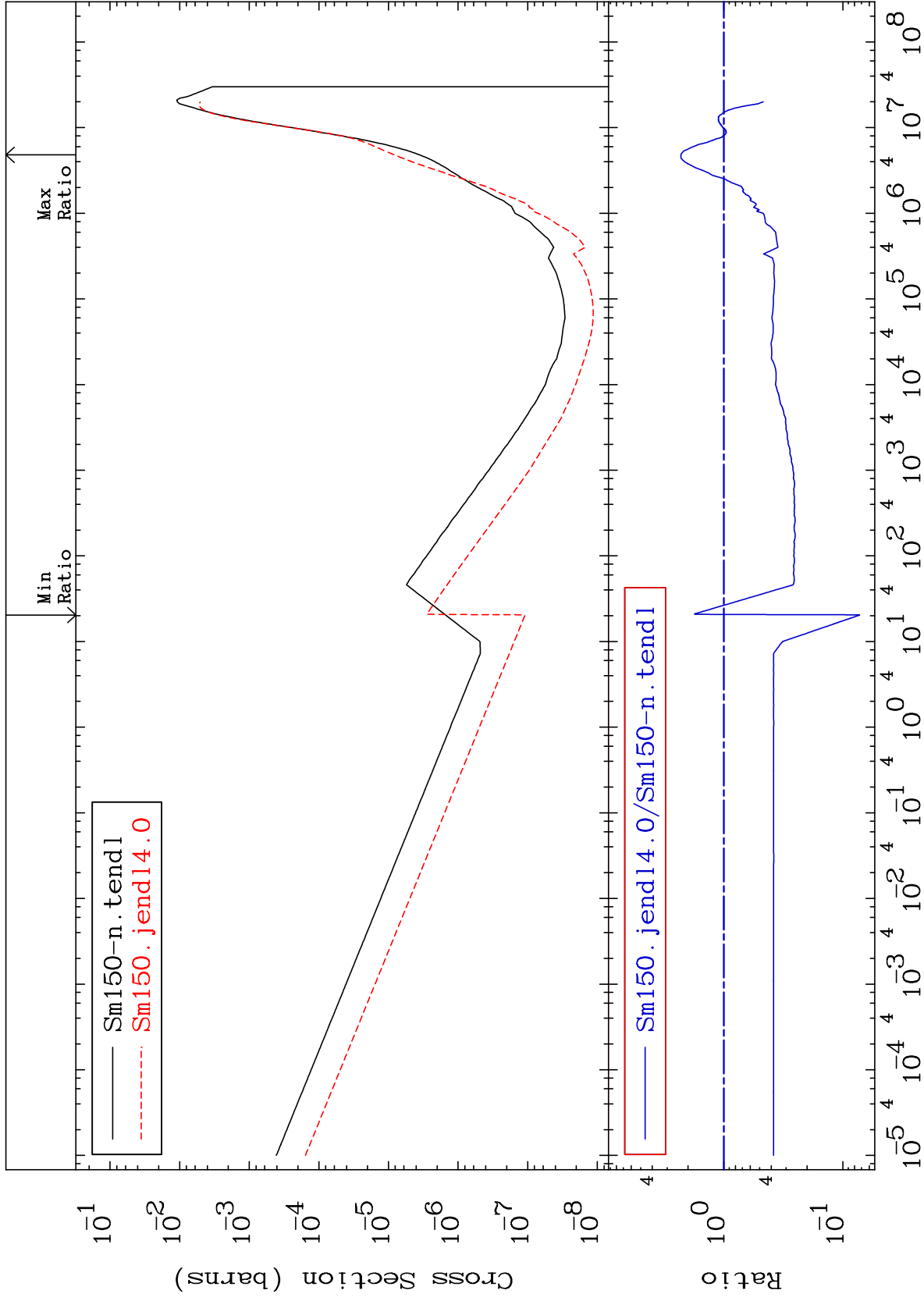
Cross Section

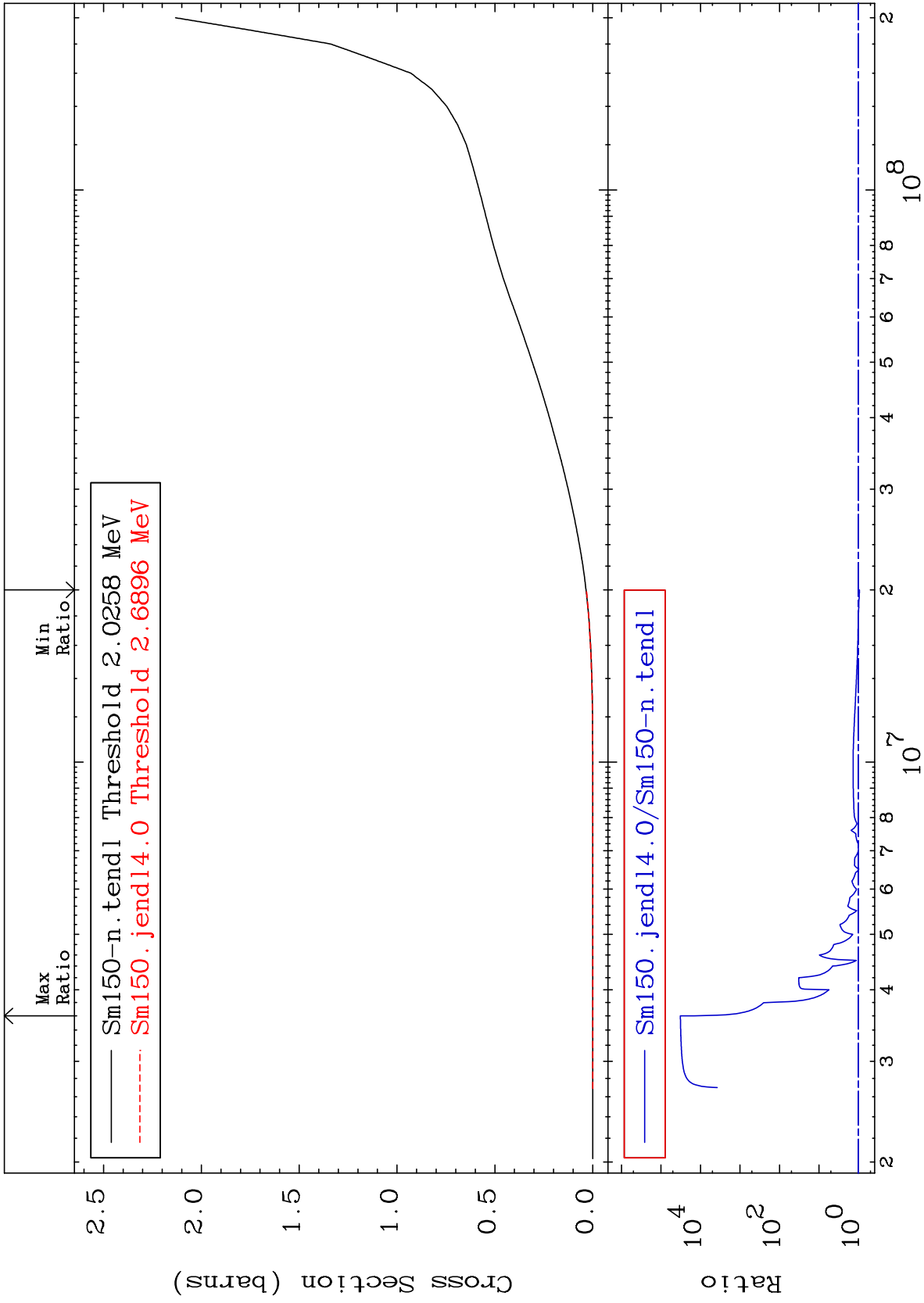
-100.0 To 9999. %



MAT 6243

(n,  $\alpha$ )  
Cross Section  
62-Sm-150  
-92.75 To 130.3 %



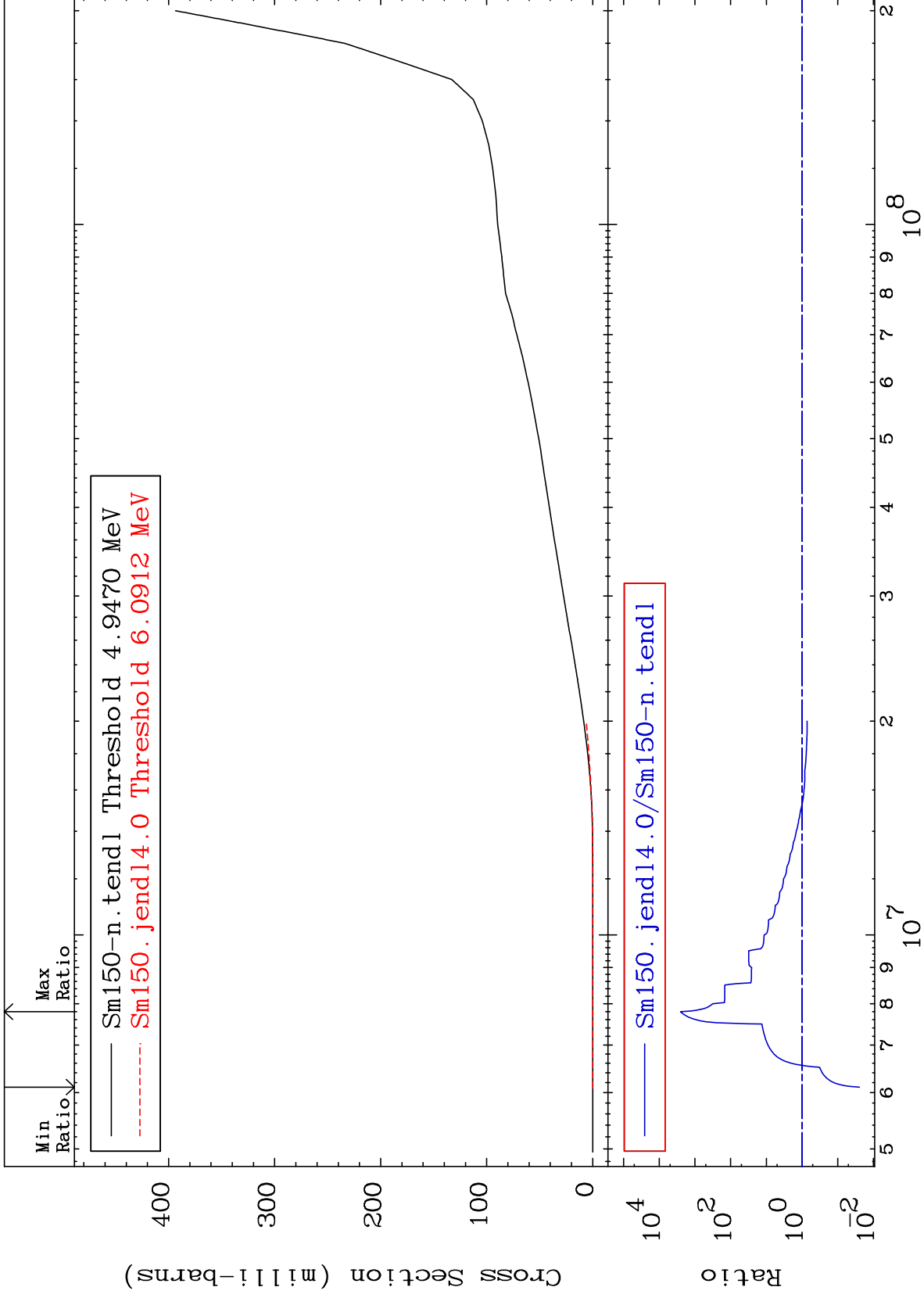




MAT 6243

Deuterium Production  
Cross Section

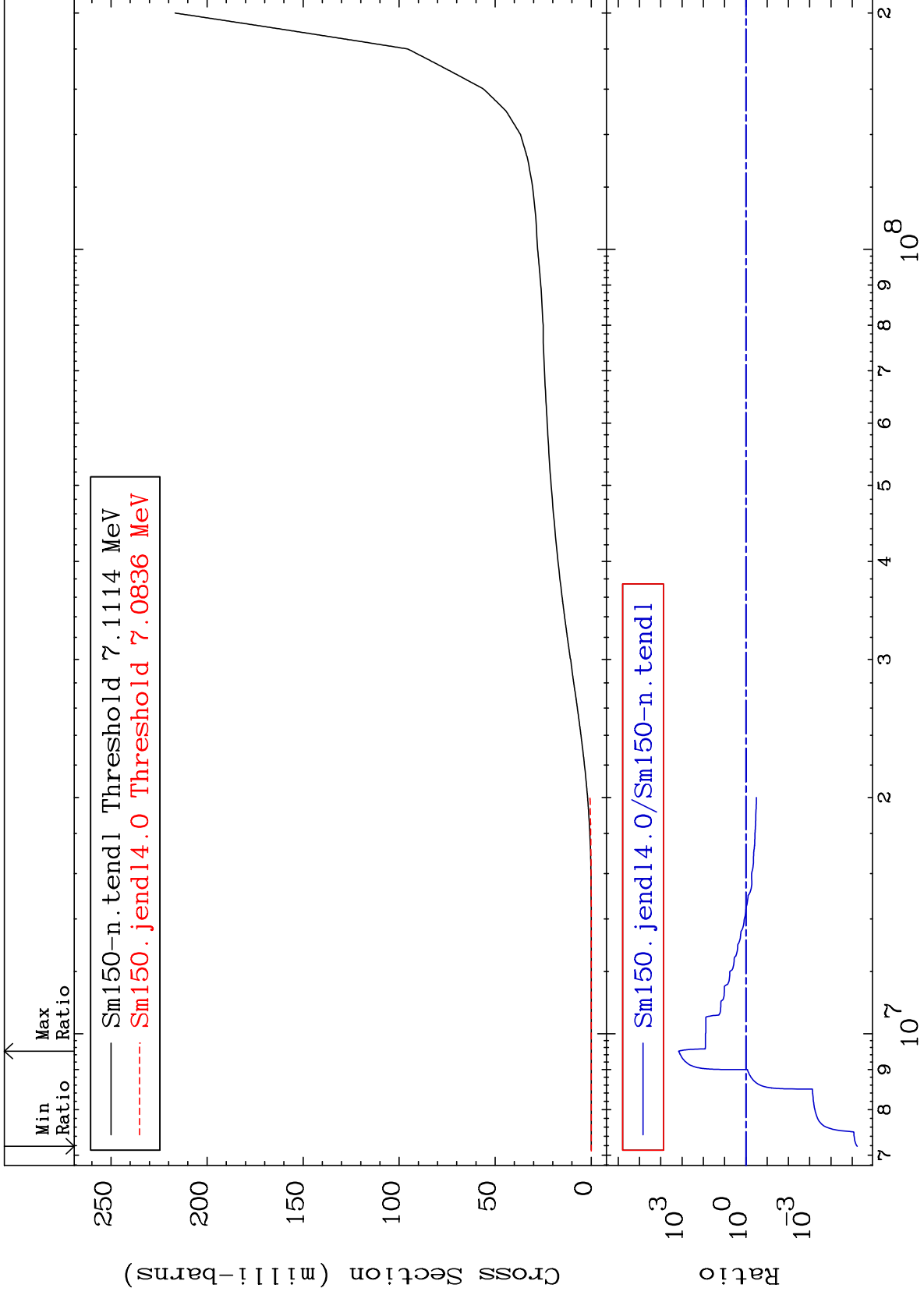
62-Sm-150  
-97.53 To 9999. %



MAT 6243

Tritium Production  
Cross Section

62-Sm-150  
-100.0 To 9999. %



50

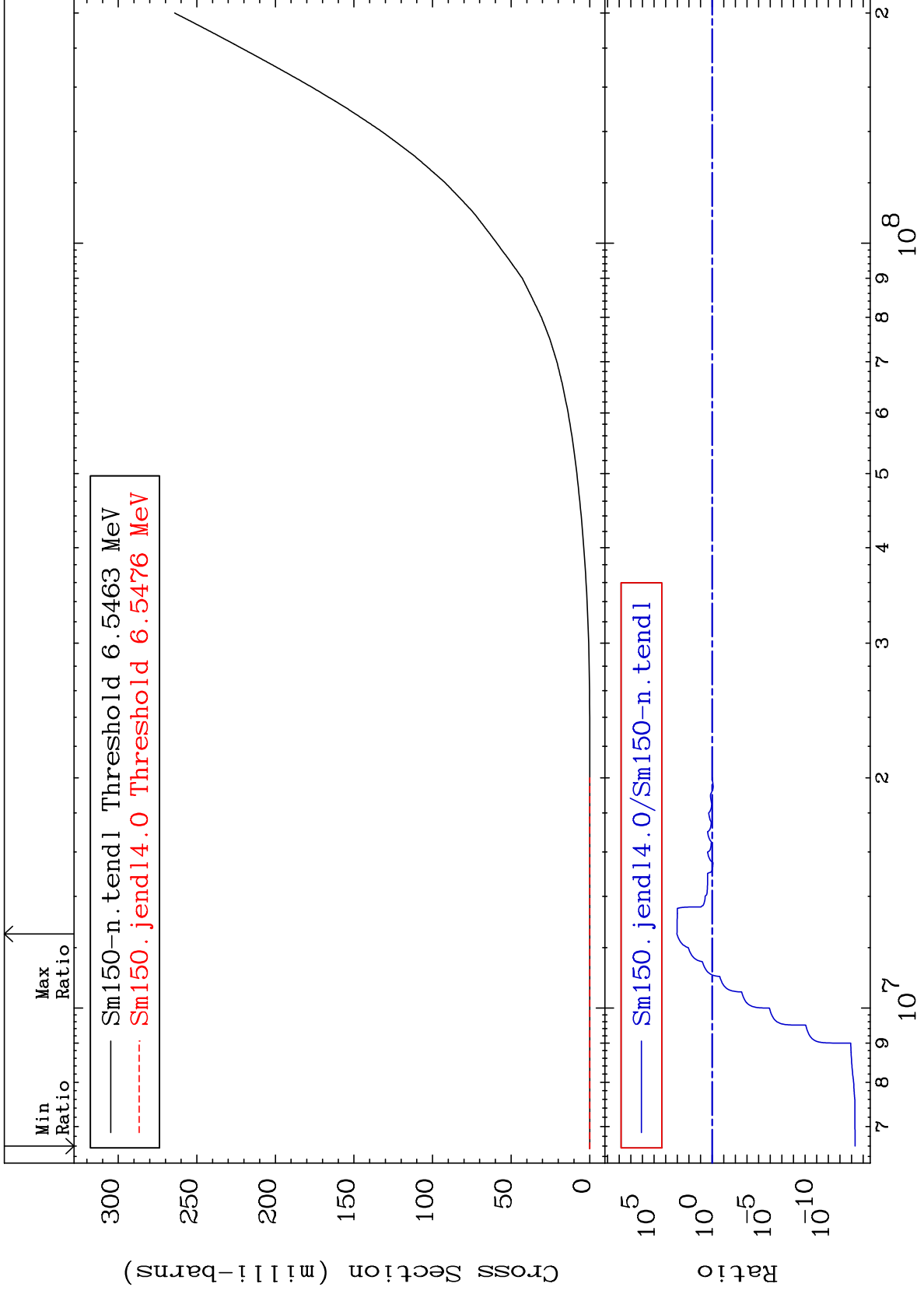
Incident Energy (eV)

62-Sm-150

MAT 6243

He-3 Production  
Cross Section

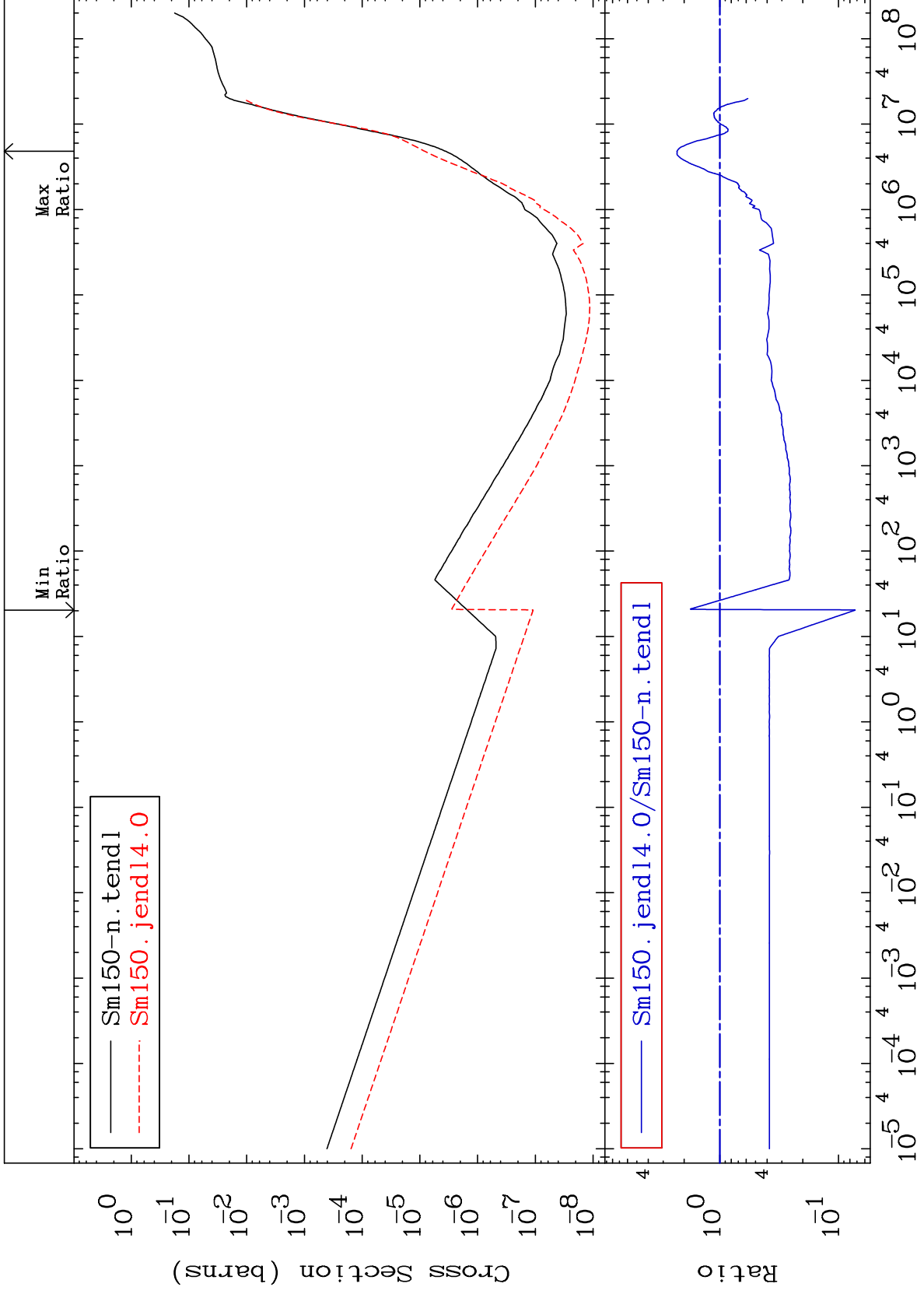
62-Sm-150  
-100.0 To 9999. %

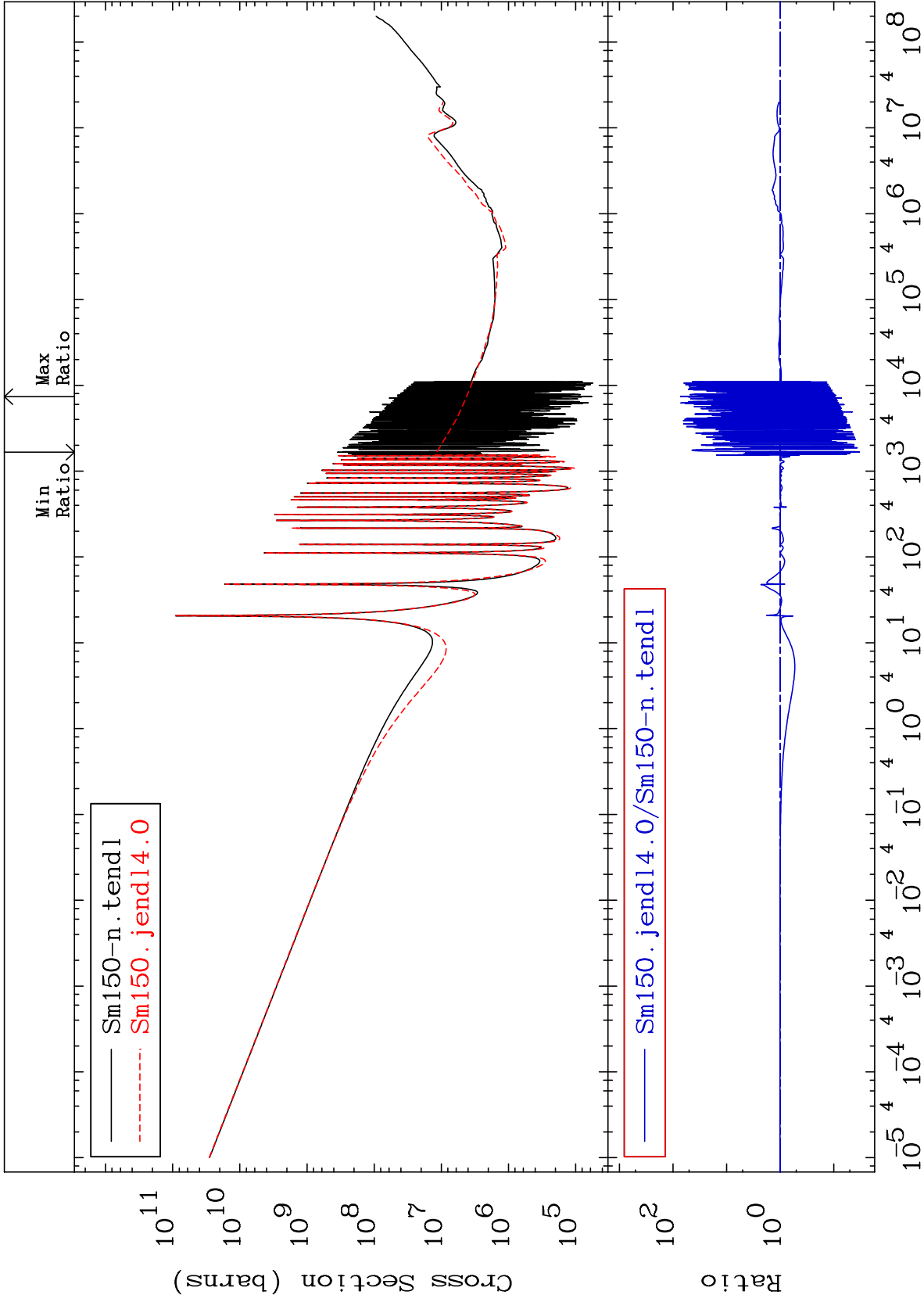


MAT 6243

He-4 Production  
Cross Section

62-Sm-150  
-92.75 To 129.7 %

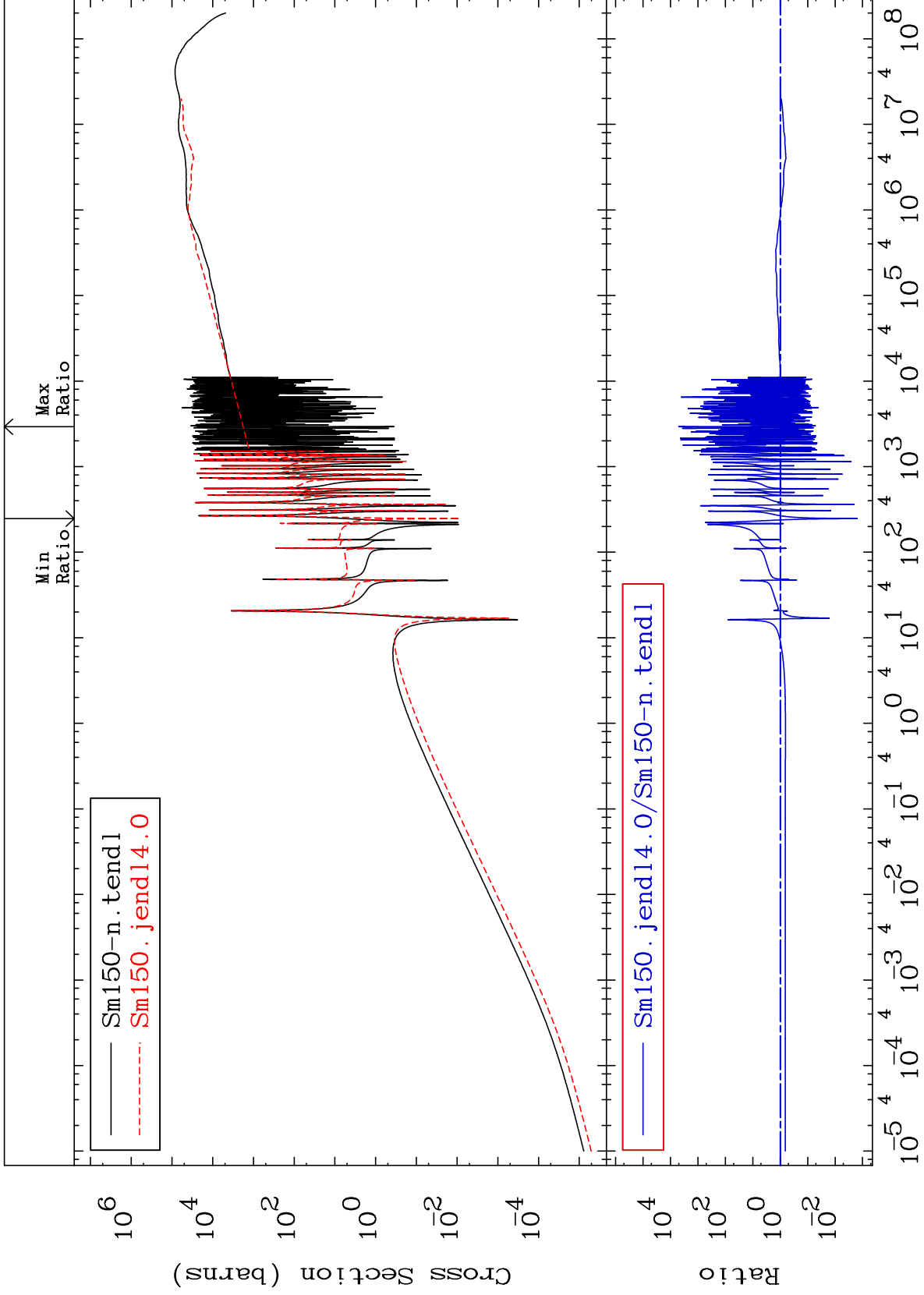




MAT 6243

Kerma elastic  
Cross Section

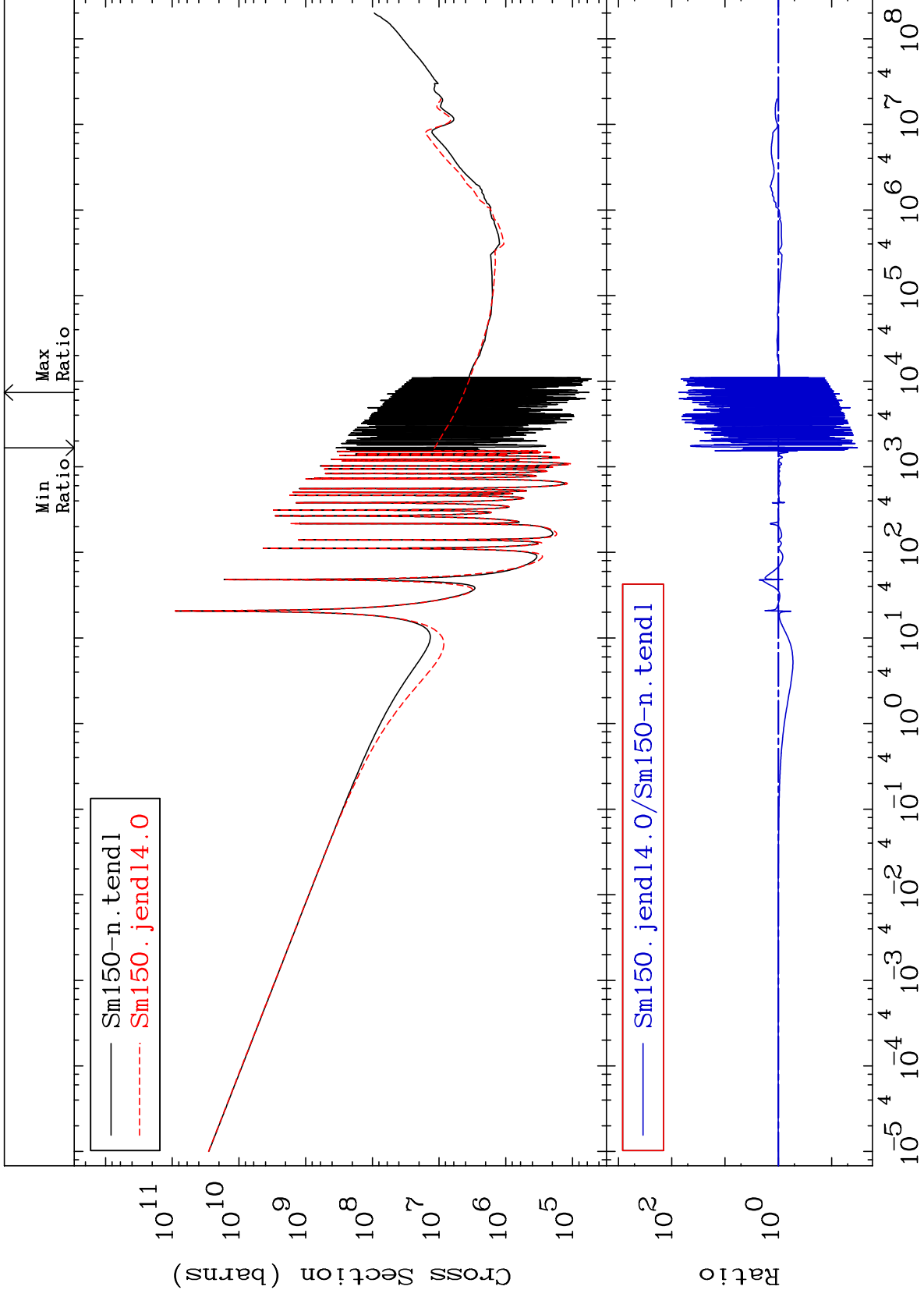
62-Sm-150  
-99.84 To 9999. %



MAT 6243

Kerma non-elastic (all but mt2)  
Cross Section

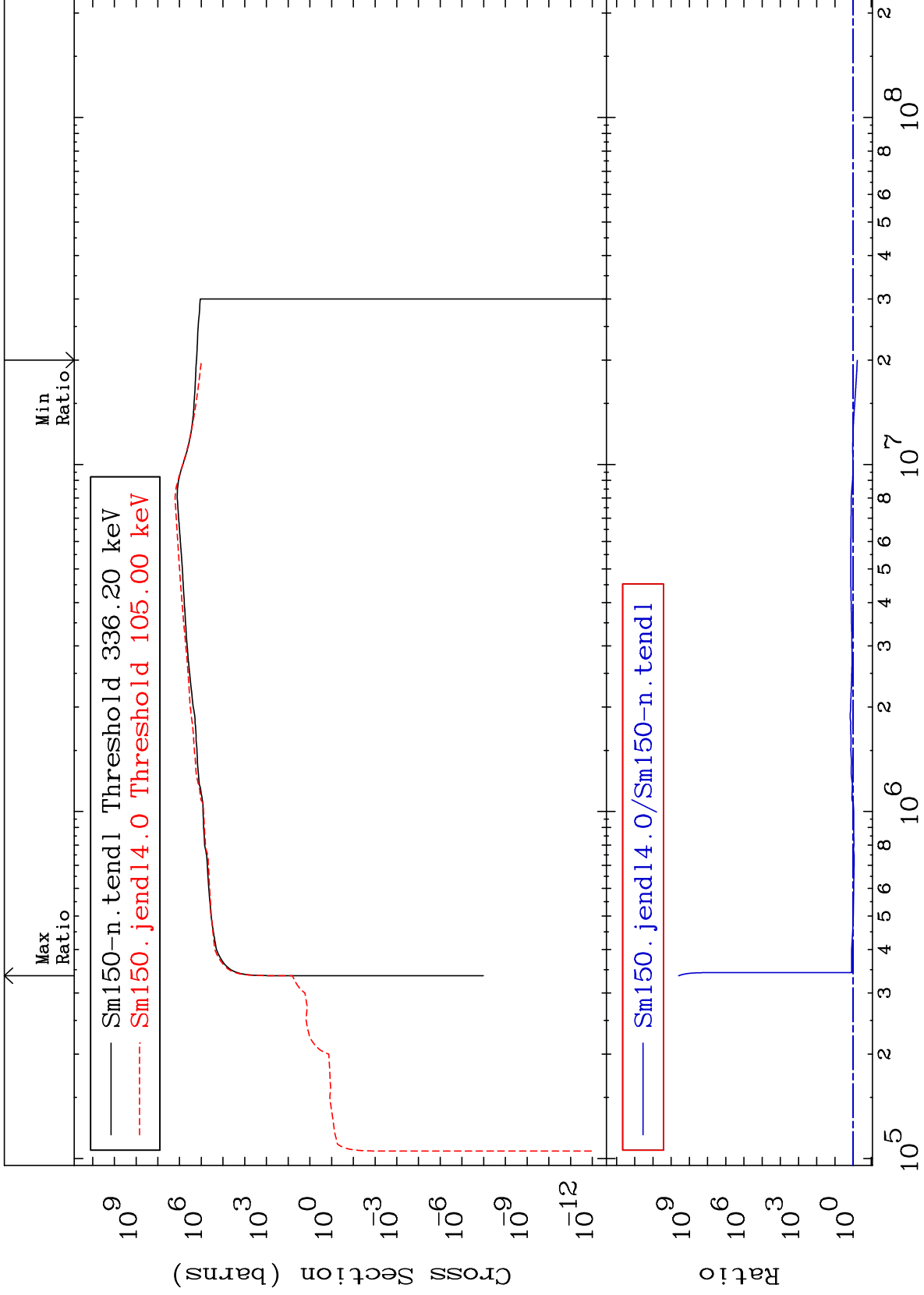
62-Sm-150  
-96.69 To 7314. %



MAT 6243

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-150  
-41.01 To 9999. %



— Sm150-n.tendl Threshold 336.20 keV  
- - - Sm150.jendl4.0 Threshold 105.00 keV

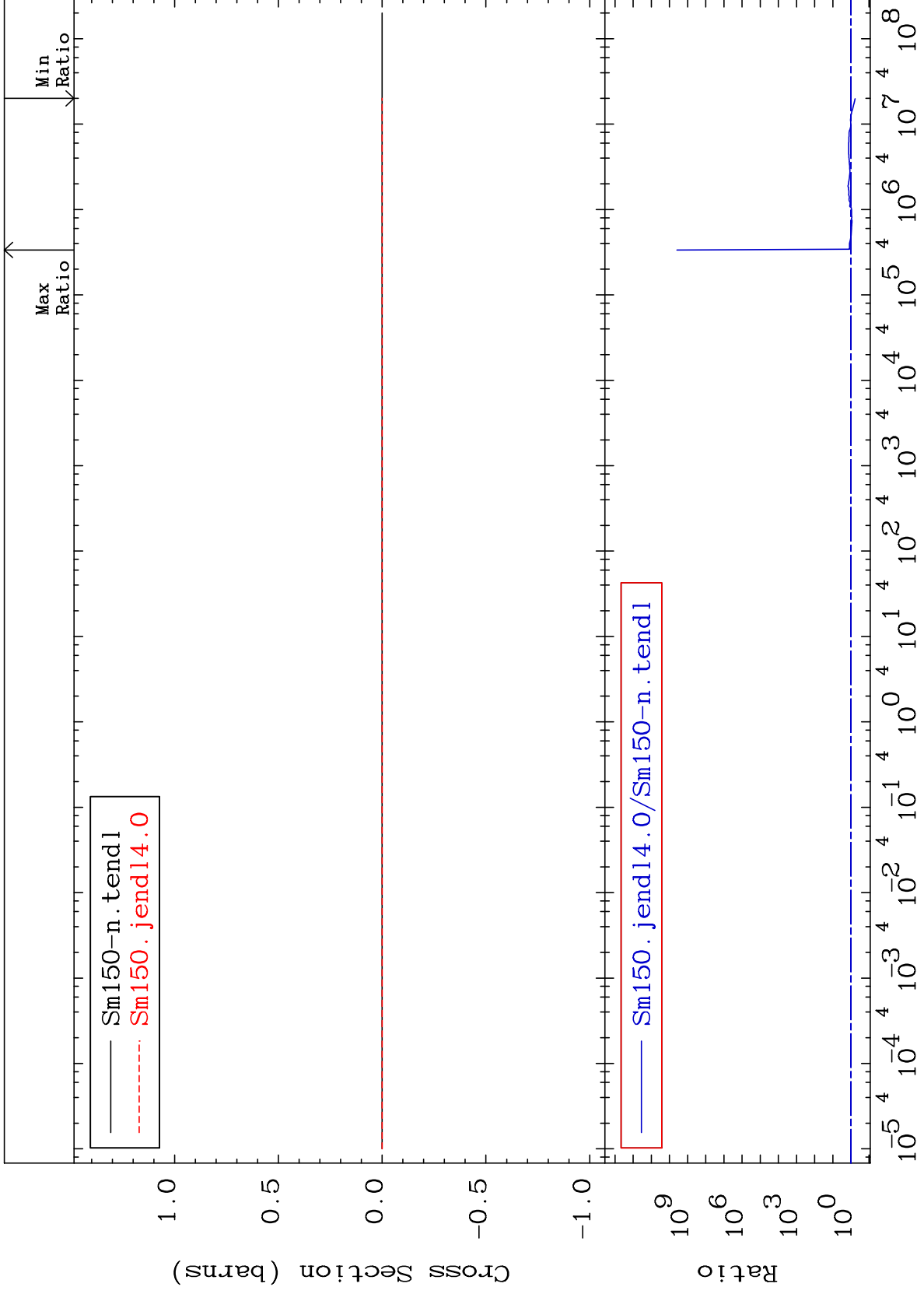
— Sm150.jendl4.0/Sm150-n.tendl



MAT 6243

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

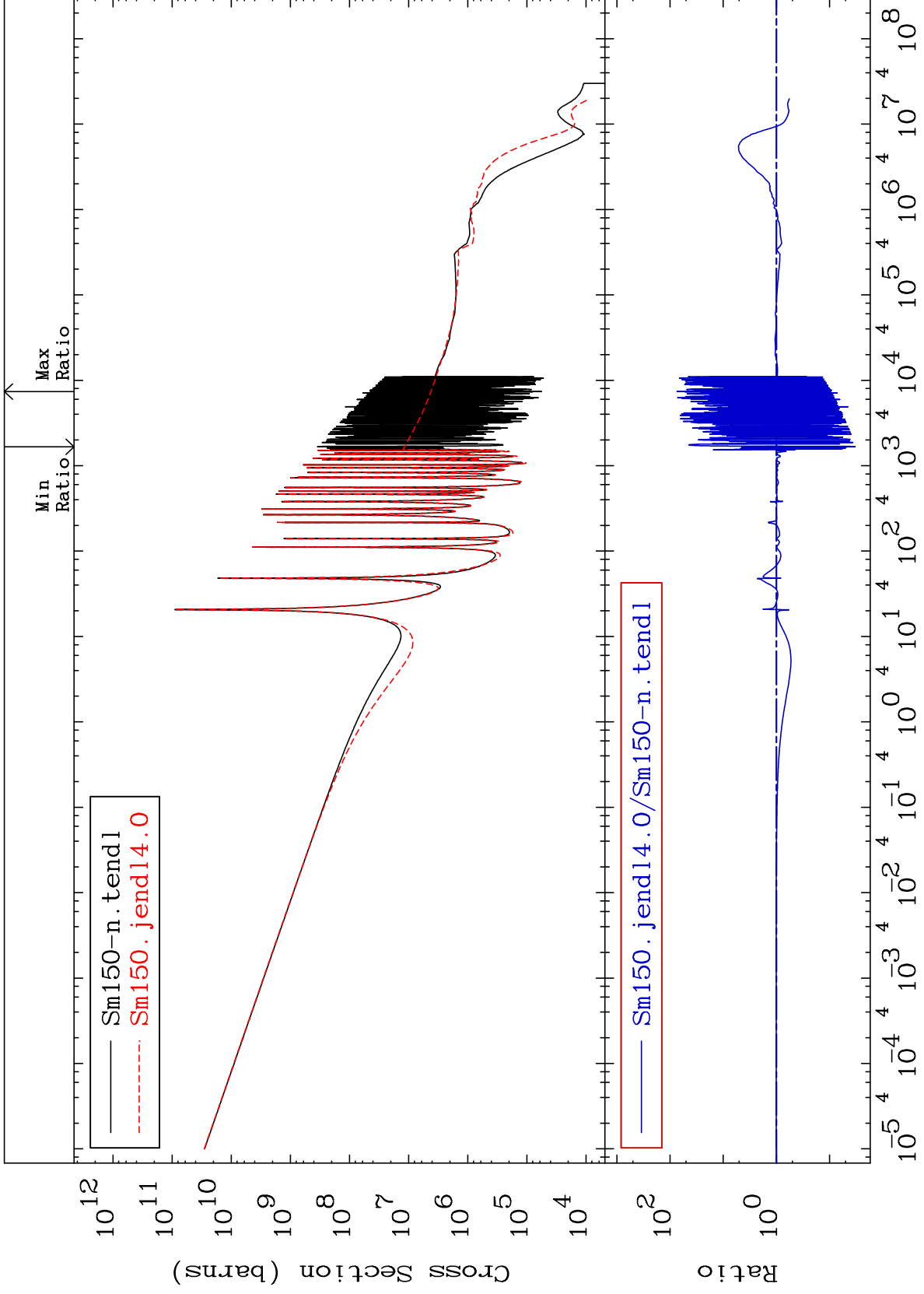
62-Sm-150  
-41.01 To 9999. %



MAT 6243

Kerma capture (mt102)  
Cross Section

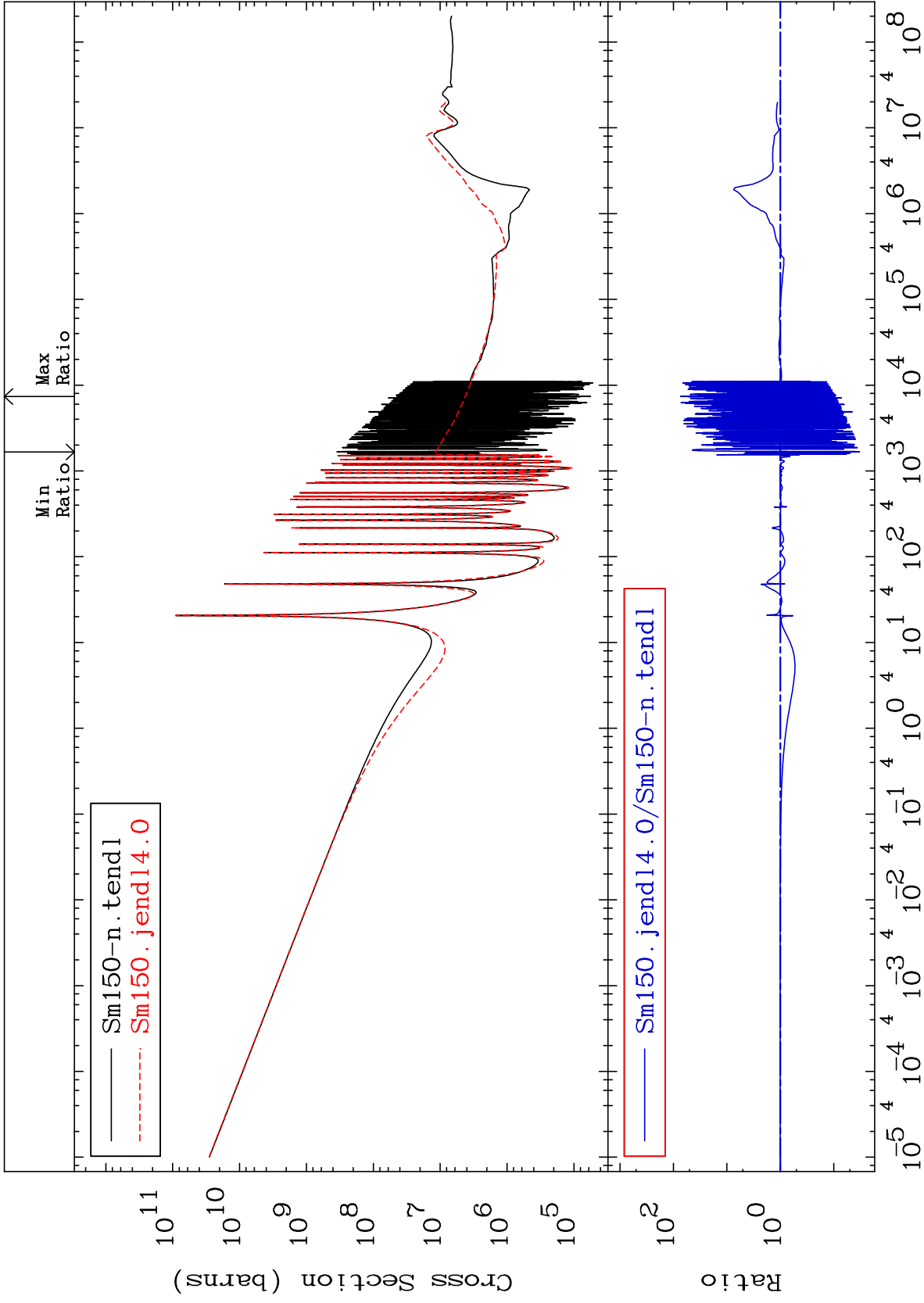
62-Sm-150  
-96.69 To 7314. %



MAT 6243

Total photon (eV-barns)  
Cross Section

62-Sm-150  
-96.69 To 7314. %



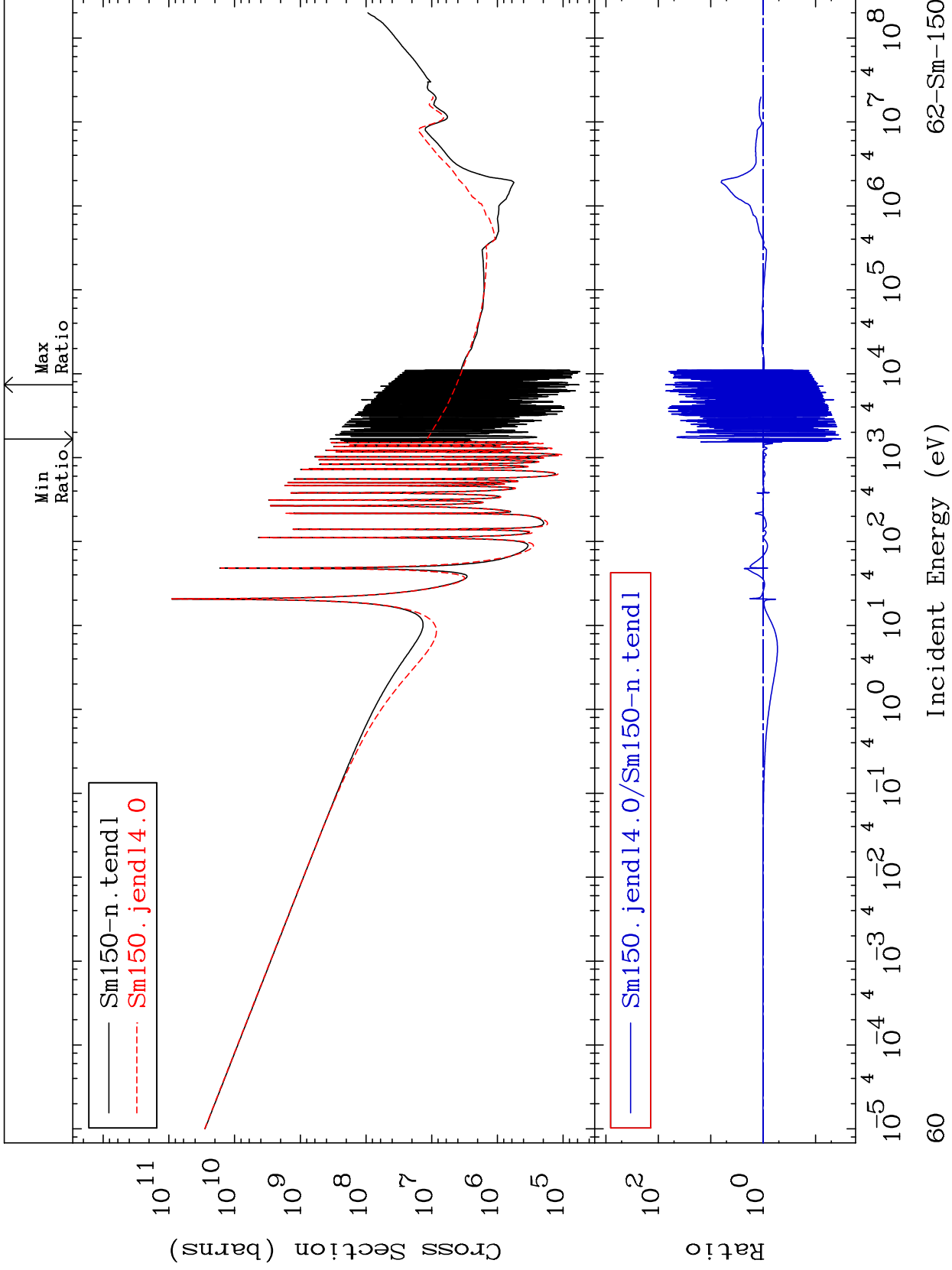
59

62-Sm-150

MAT 6243

Total kinematic kerma (high limit)  
Cross Section

62-Sm-150  
-96.69 To 7179. %



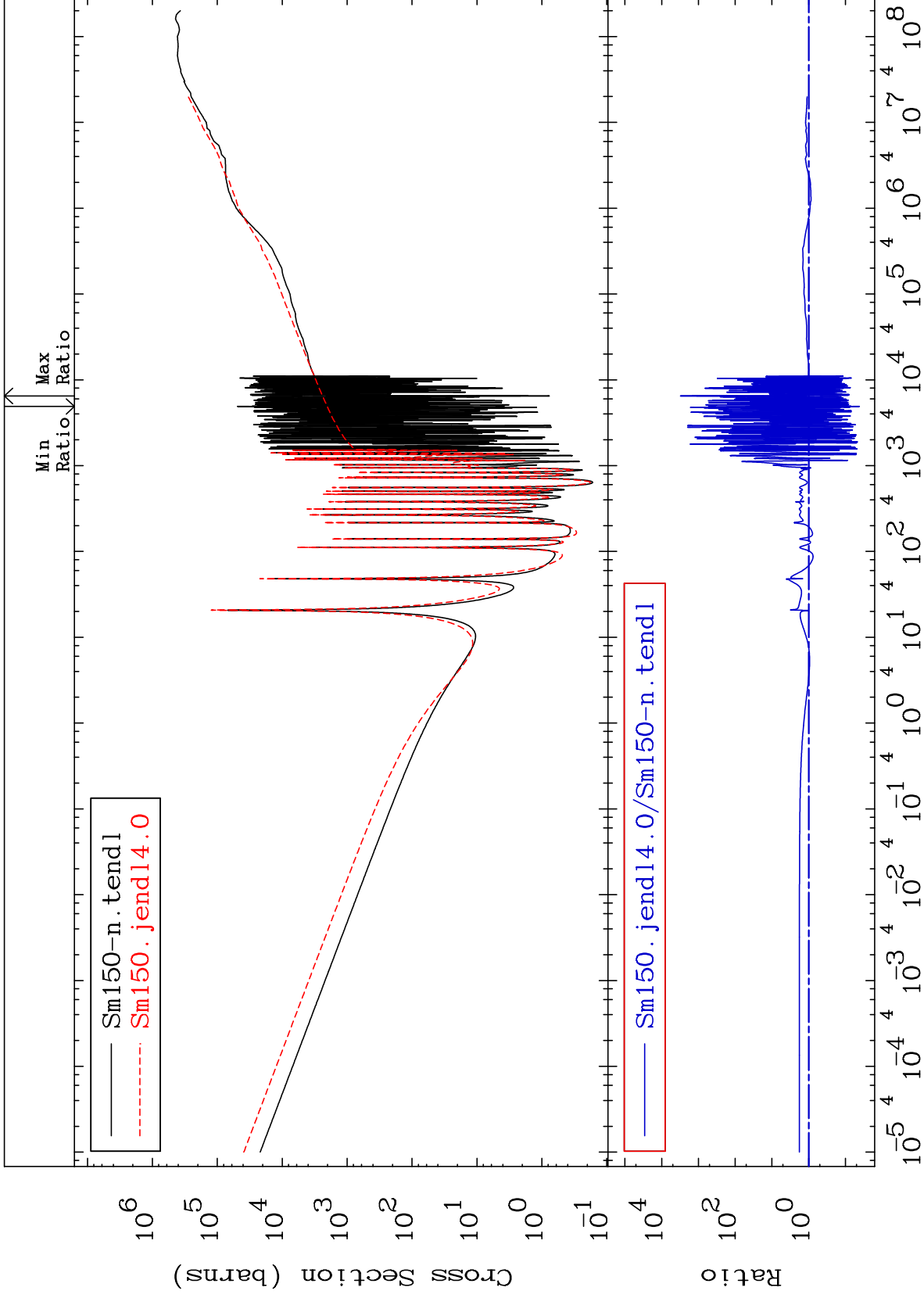
60

62-Sm-150

MAT 6243

Dpa total (eV-barns)  
Cross Section

62-Sm-150  
-95.85 To 9999. %



61

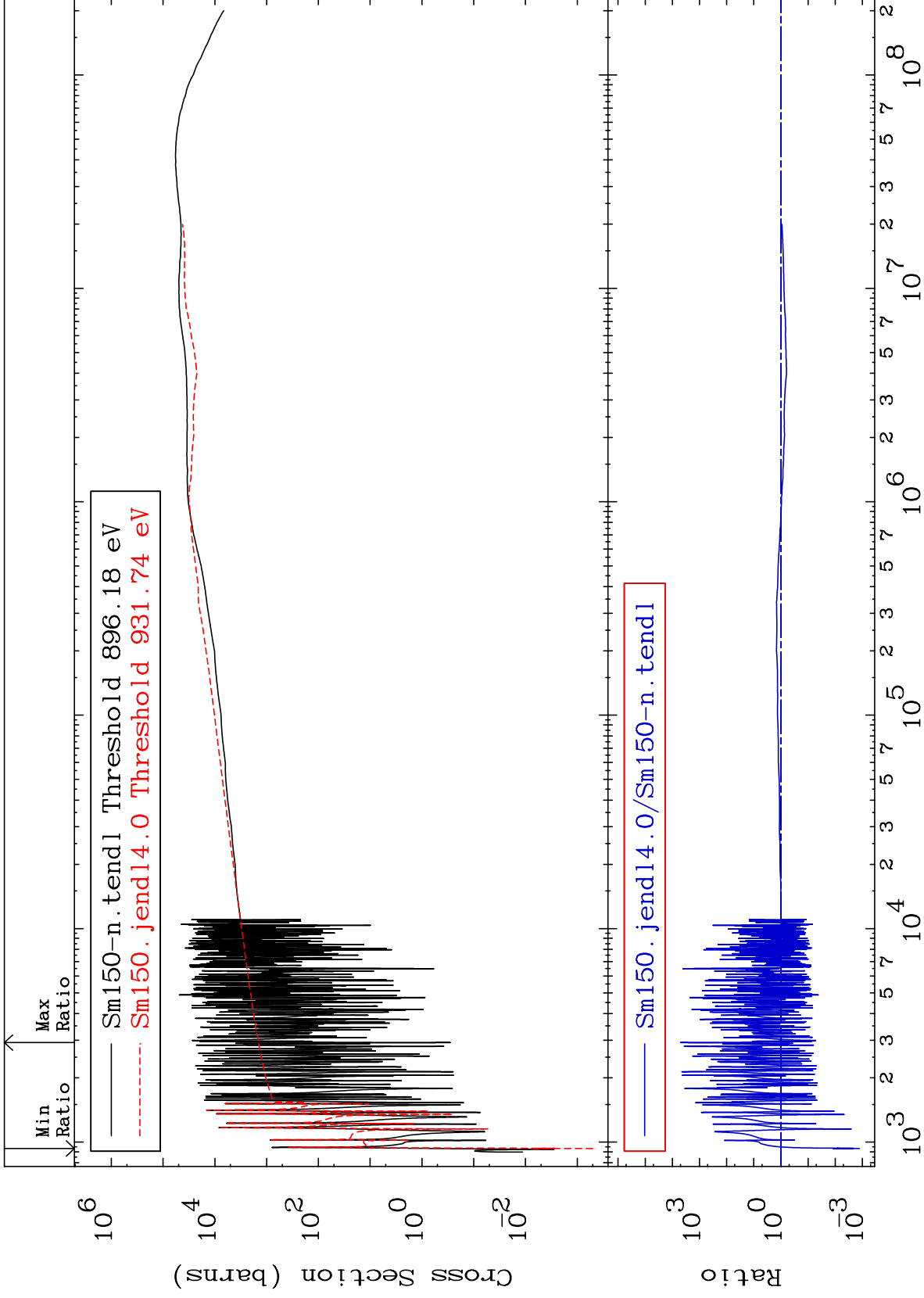
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa elastic (mt2)  
Cross Section

62-Sm-150  
-99.87 To 9999. %



62

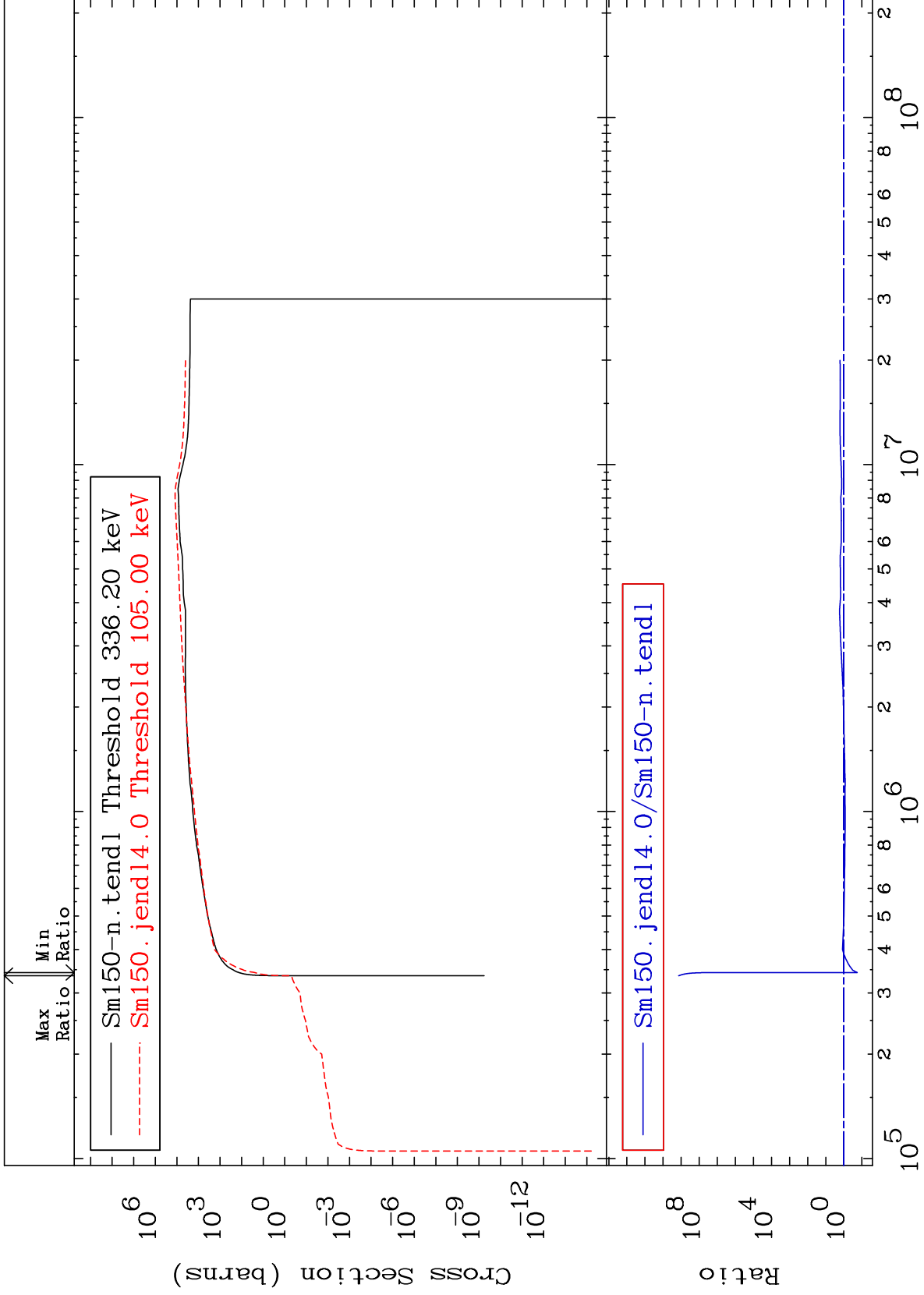
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-150  
-81.91 To 9999. %



63

62-Sm-150

