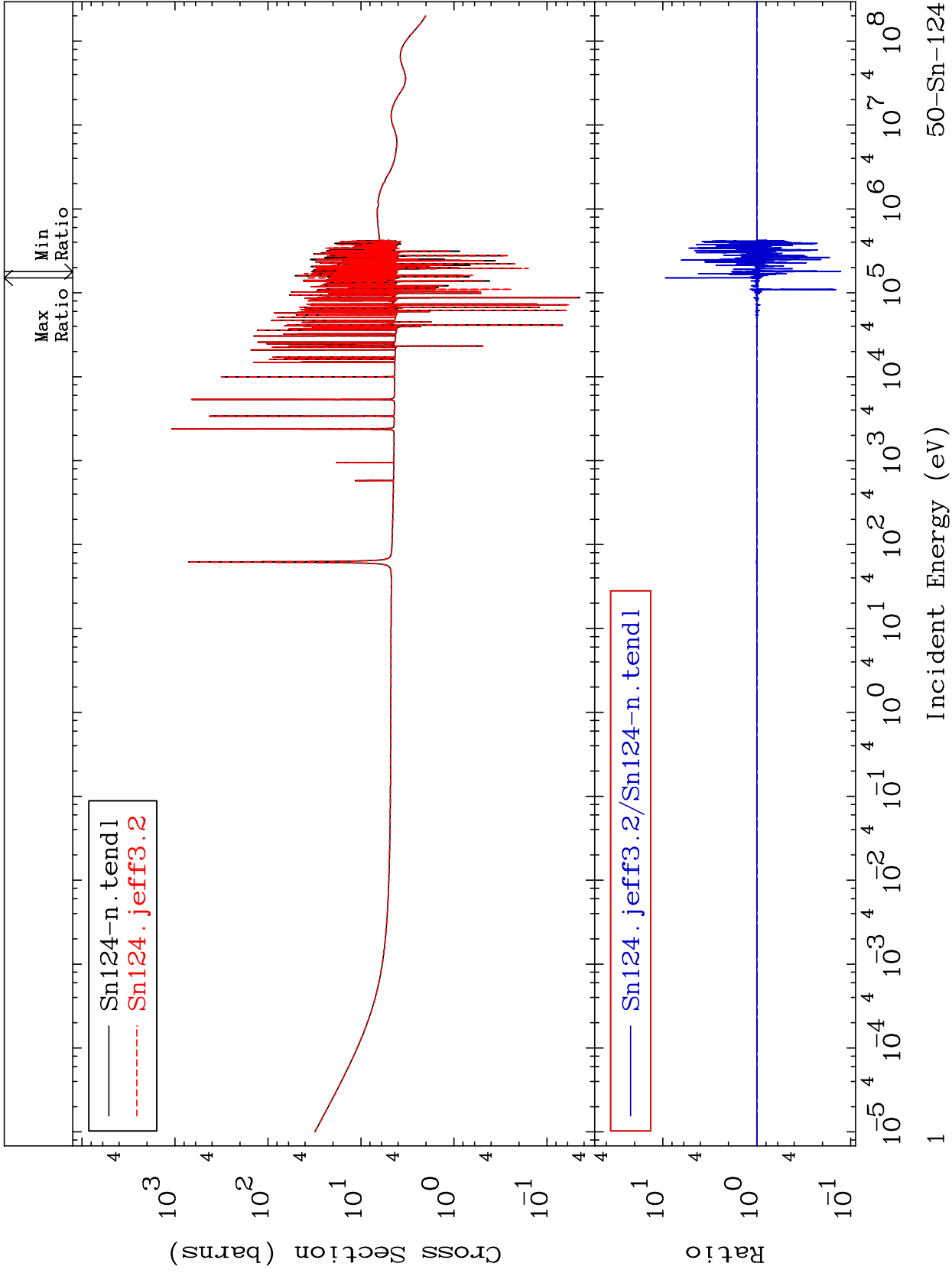


MAT 5061

Total  
Cross Section

50-Sn-124  
-87.20 To 837.7 %

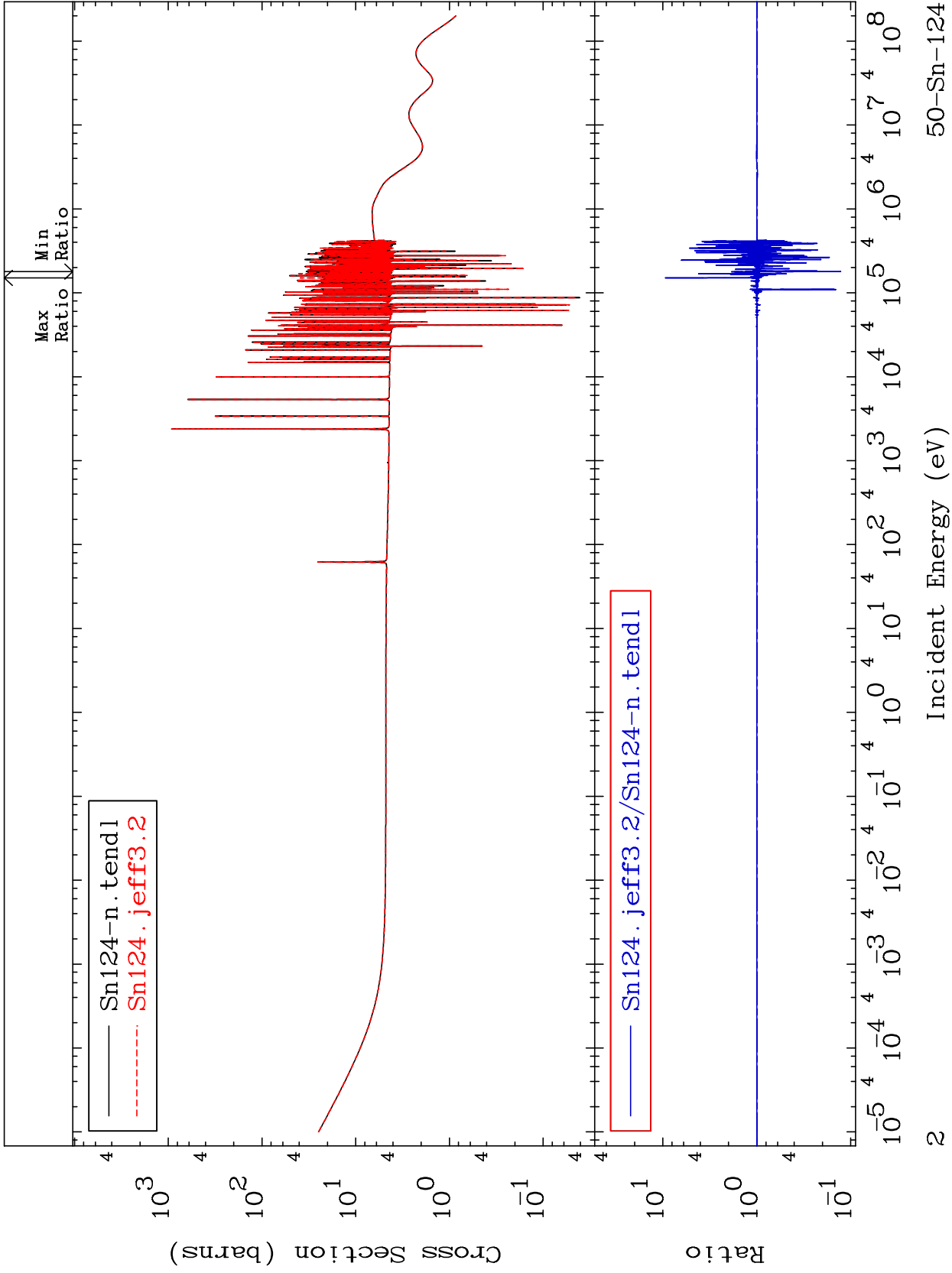


50-Sn-124

MAT 5061

Elastic  
Cross Section

50-Sn-124  
-87.19 To 837.3 %



50-Sn-124

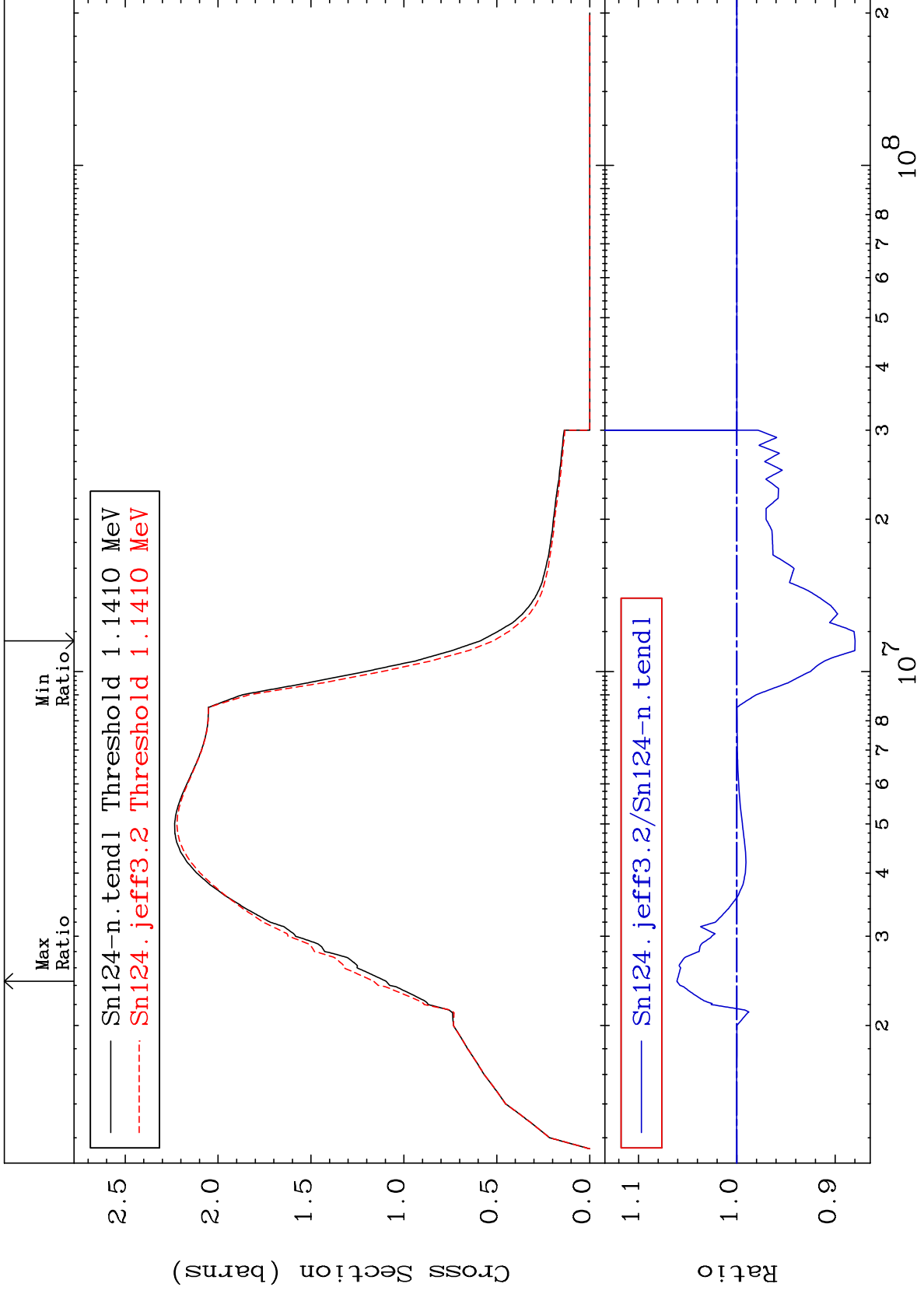
Incident Energy (eV)

2

MAT 5061

Inelastic  
Cross Section

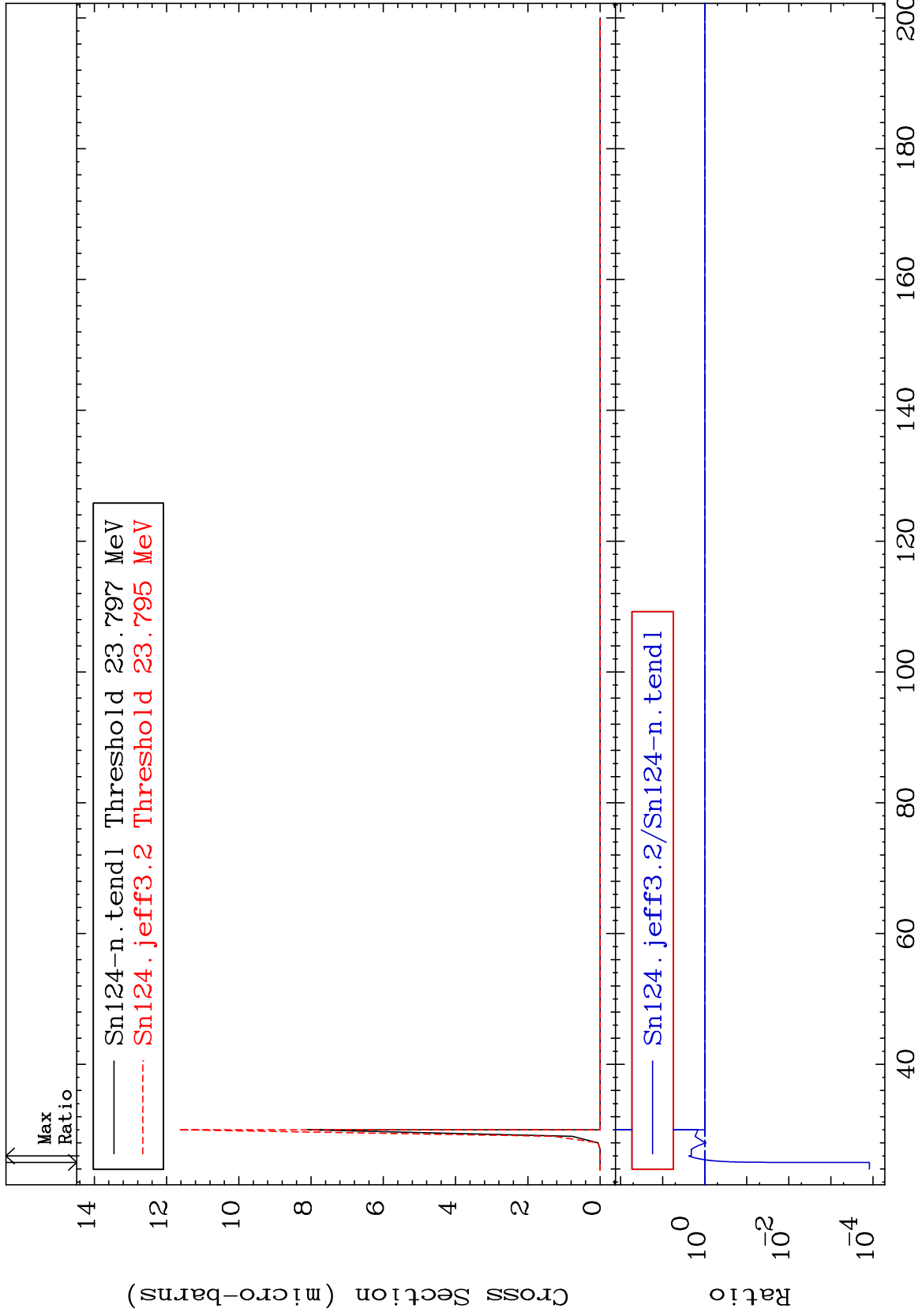
50-Sn-124  
-12.03 To 6.087 %



MAT 5061

(n,2n) d  
Cross Section

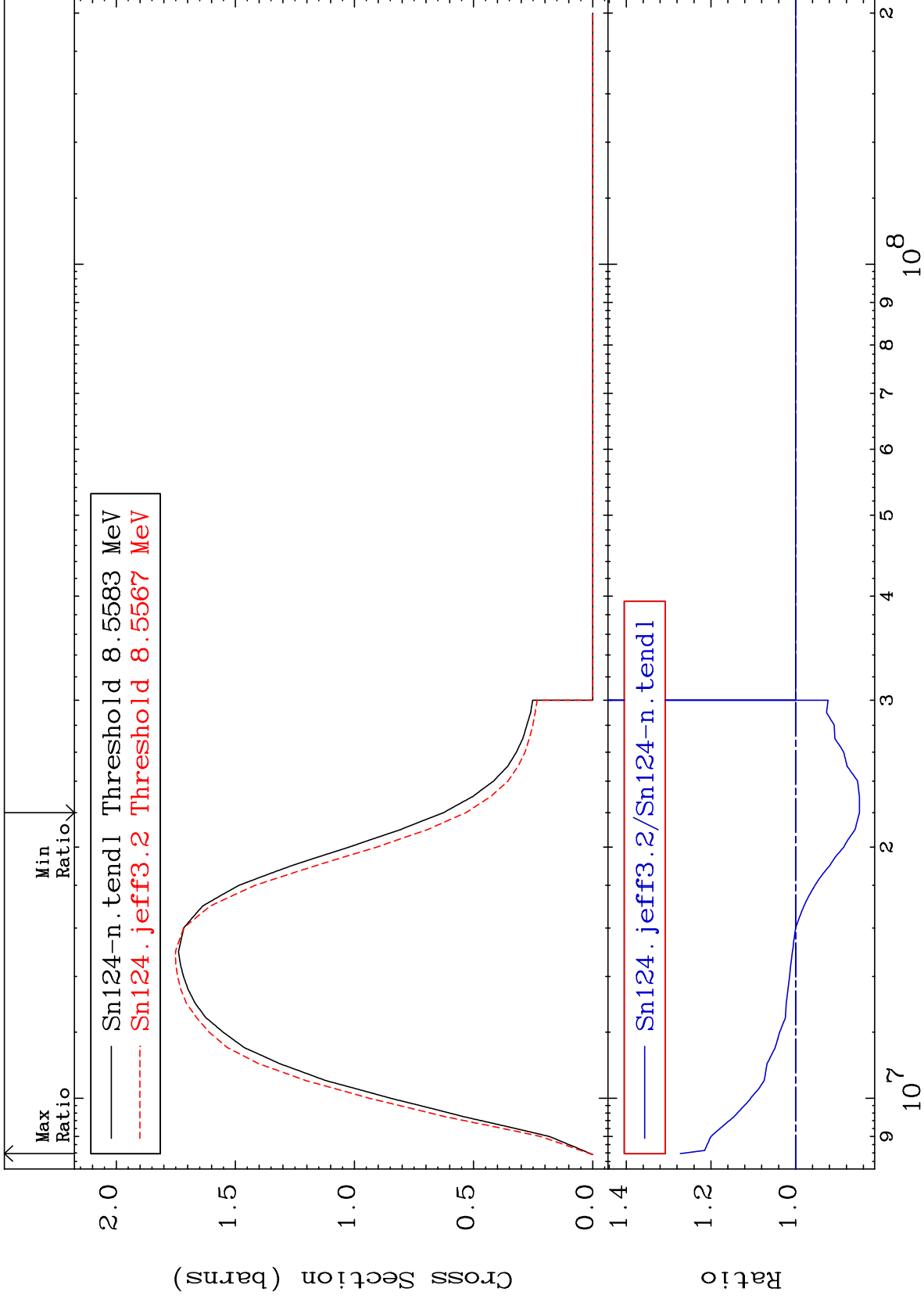
50-Sn-124  
-99.99 To 141.1 %



MAT 5061

(n,2n)  
Cross Section

50-Sn-124  
-15.07 To 27.21 %



5

Incident Energy (eV)

50-Sn-124

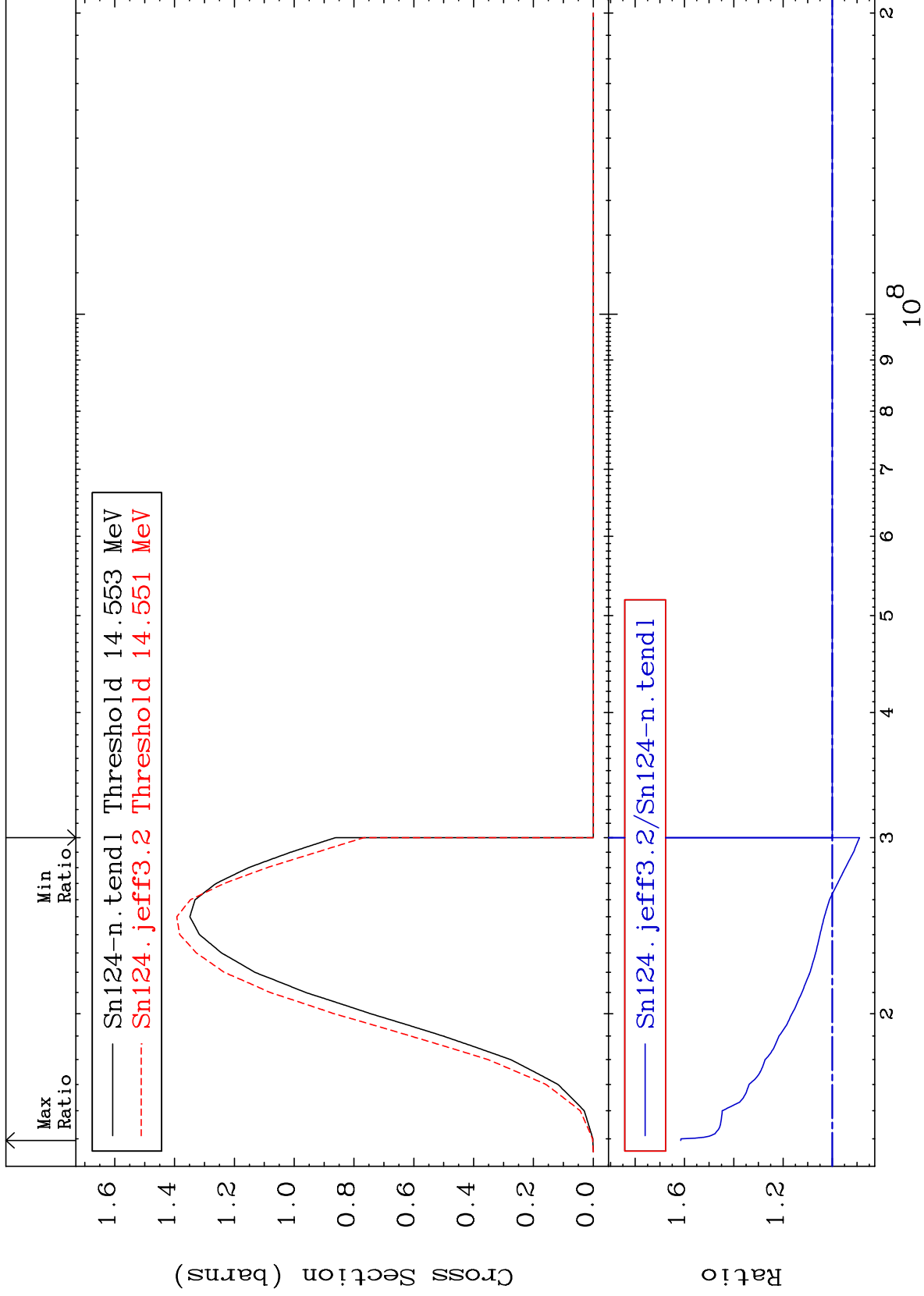
MAT 5061

(n,3n)

50-Sn-124

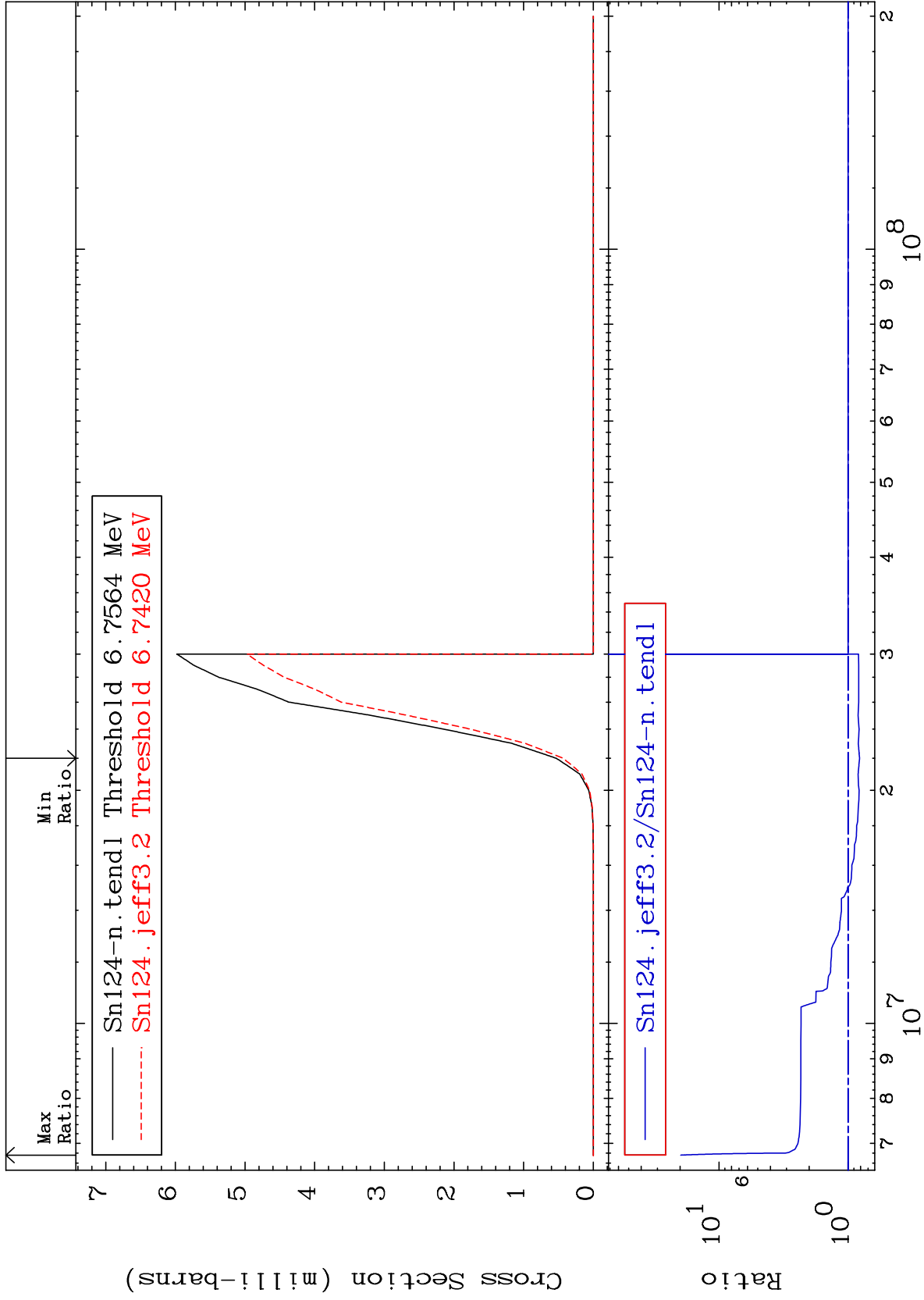
Cross Section

-11.05 To 61.51 %



MAT 5061

(n,n')  $\alpha$   
Cross Section  
50-Sn-124  
-18.51 To 1877. %



50-Sn-124

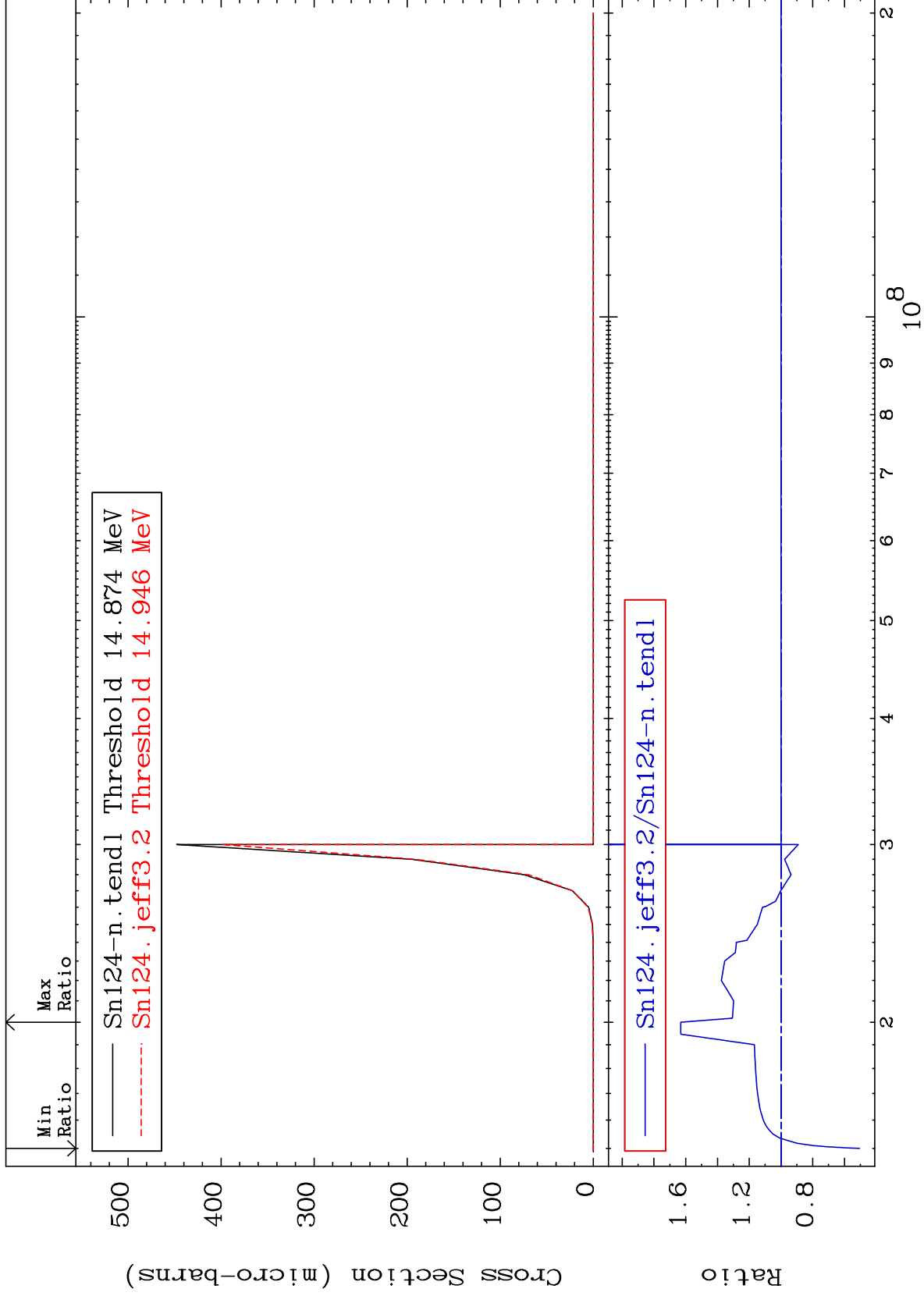
Incident Energy (eV)

7

MAT 5061

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

50-Sn-124  
-49.47 To 63.11 %

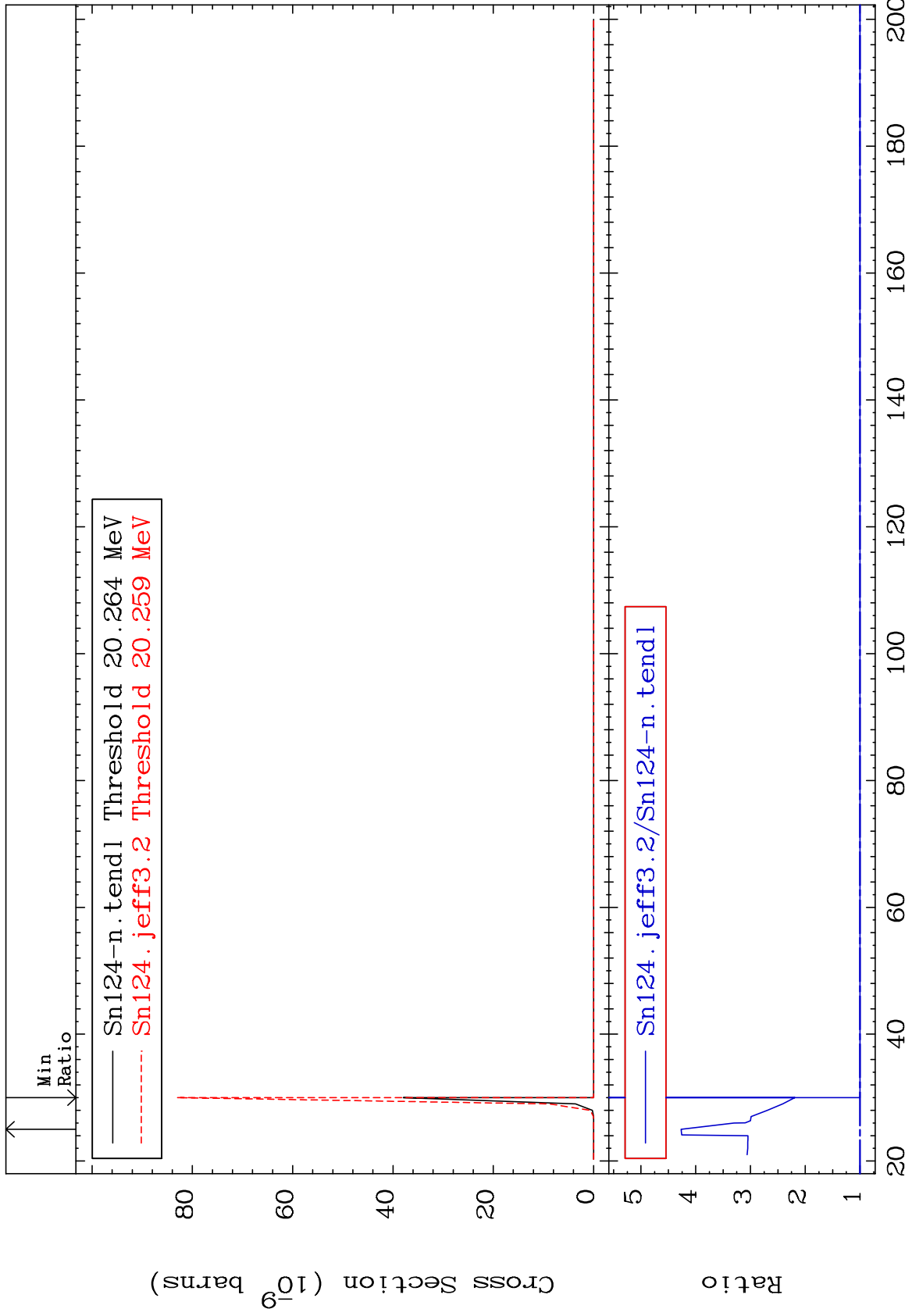




MAT 5061

(n,3n)  $\alpha$   
Cross Section

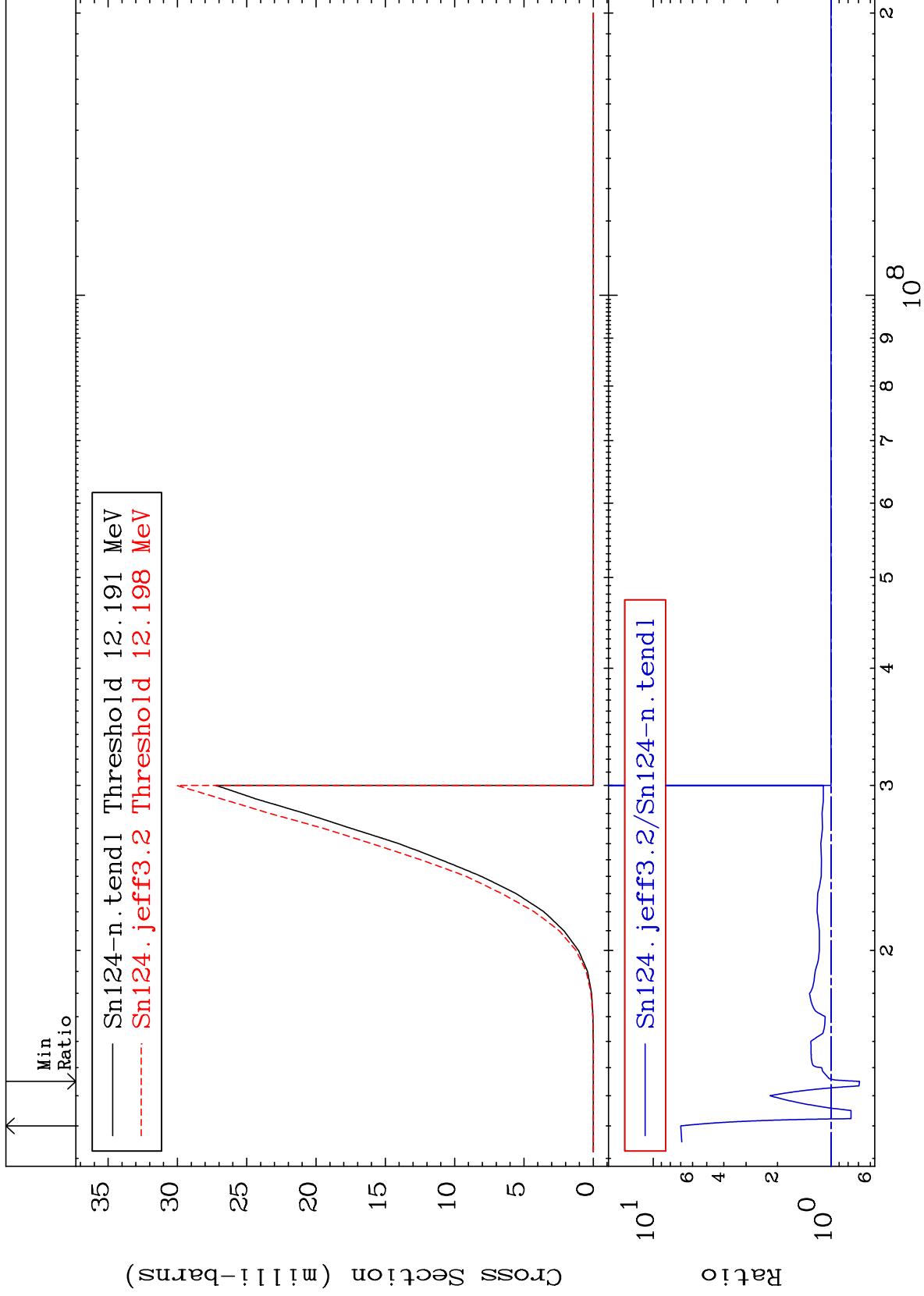
50-Sn-124  
To 326.6 %  
0.000



MAT 5061

(n,n') p  
Cross Section

50-Sn-124  
-30.96 To 599.2 %



10

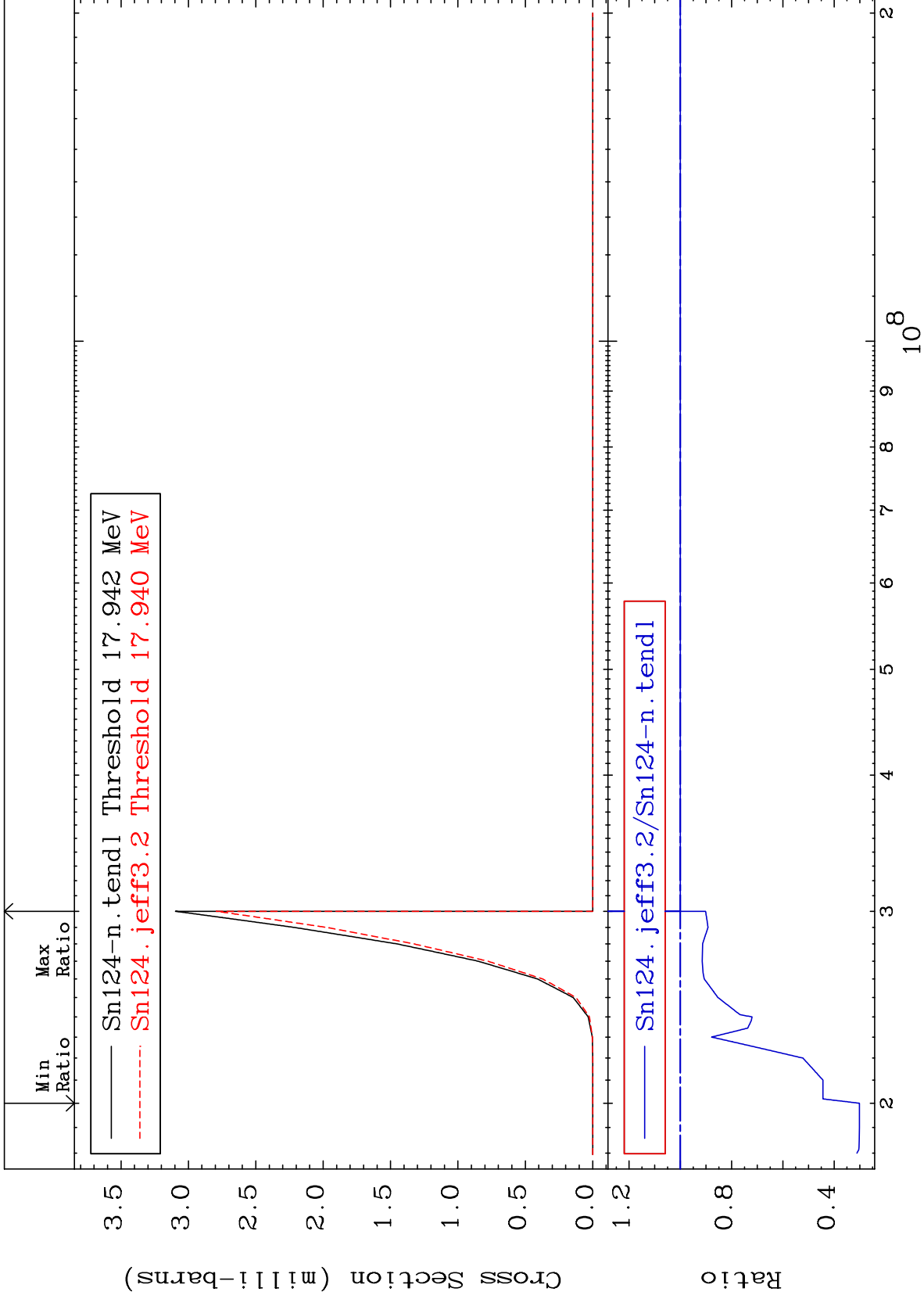
Incident Energy (eV)

50-Sn-124

MAT 5061

(n,n') d  
Cross Section

50-Sn-124  
-69.85 To 0.000 %



11

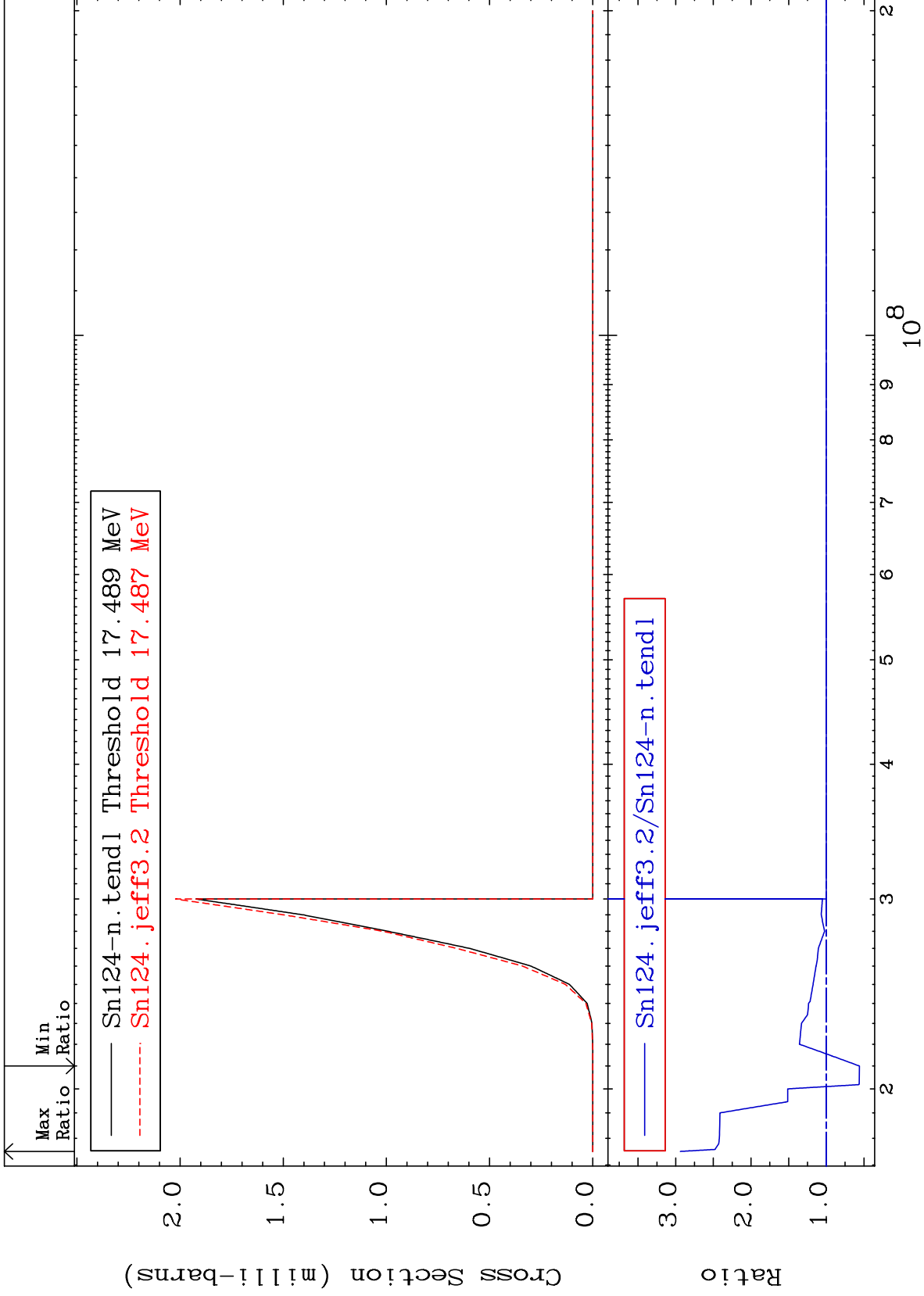
Incident Energy (eV)

50-Sn-124

MAT 5061

(n,n') t  
Cross Section

50-Sn-124  
-43.98 To 193.8 %



12

50-Sn-124

50-Sn-124

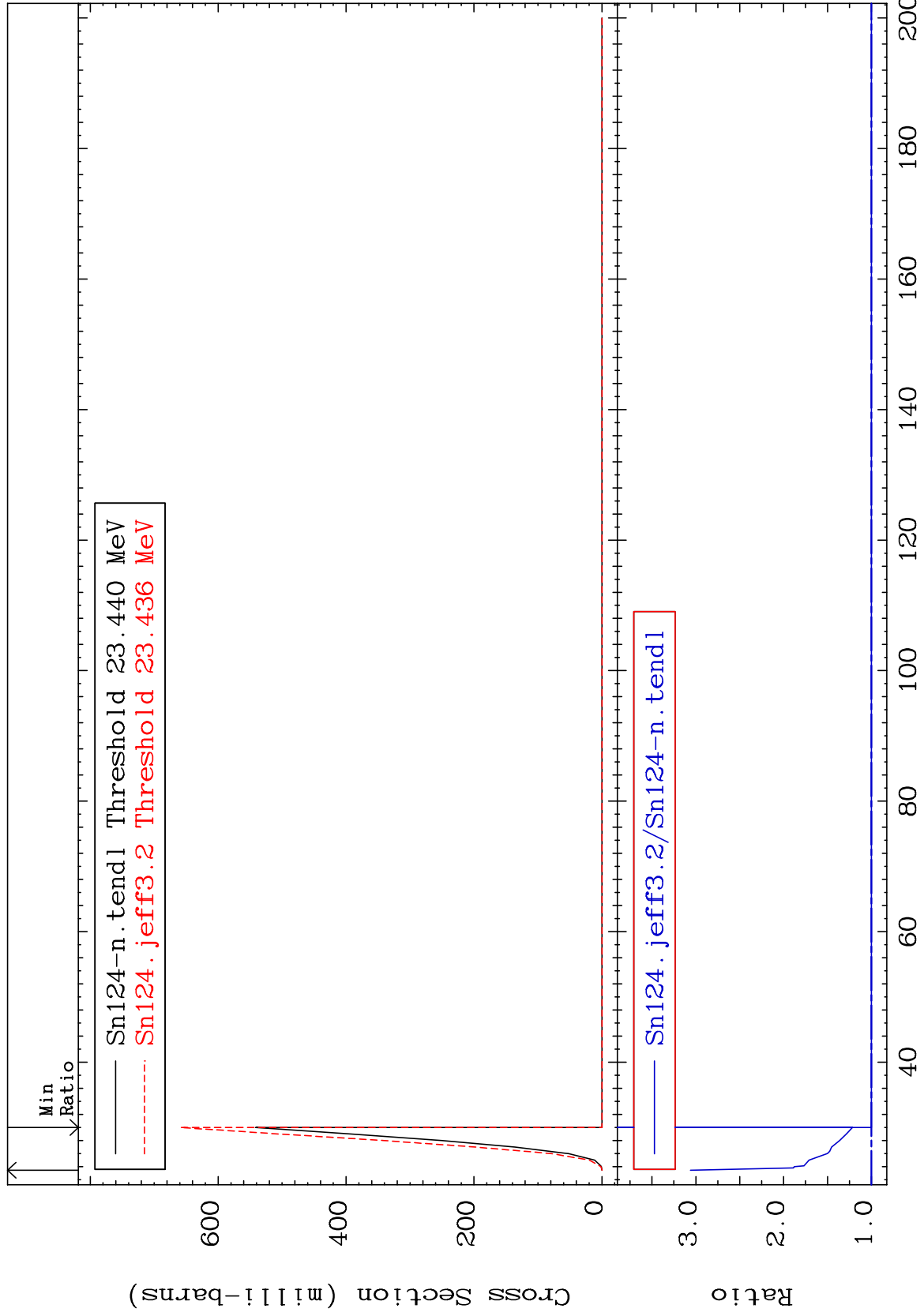
MAT 5061

(n,4n)

50-Sn-124

Cross Section

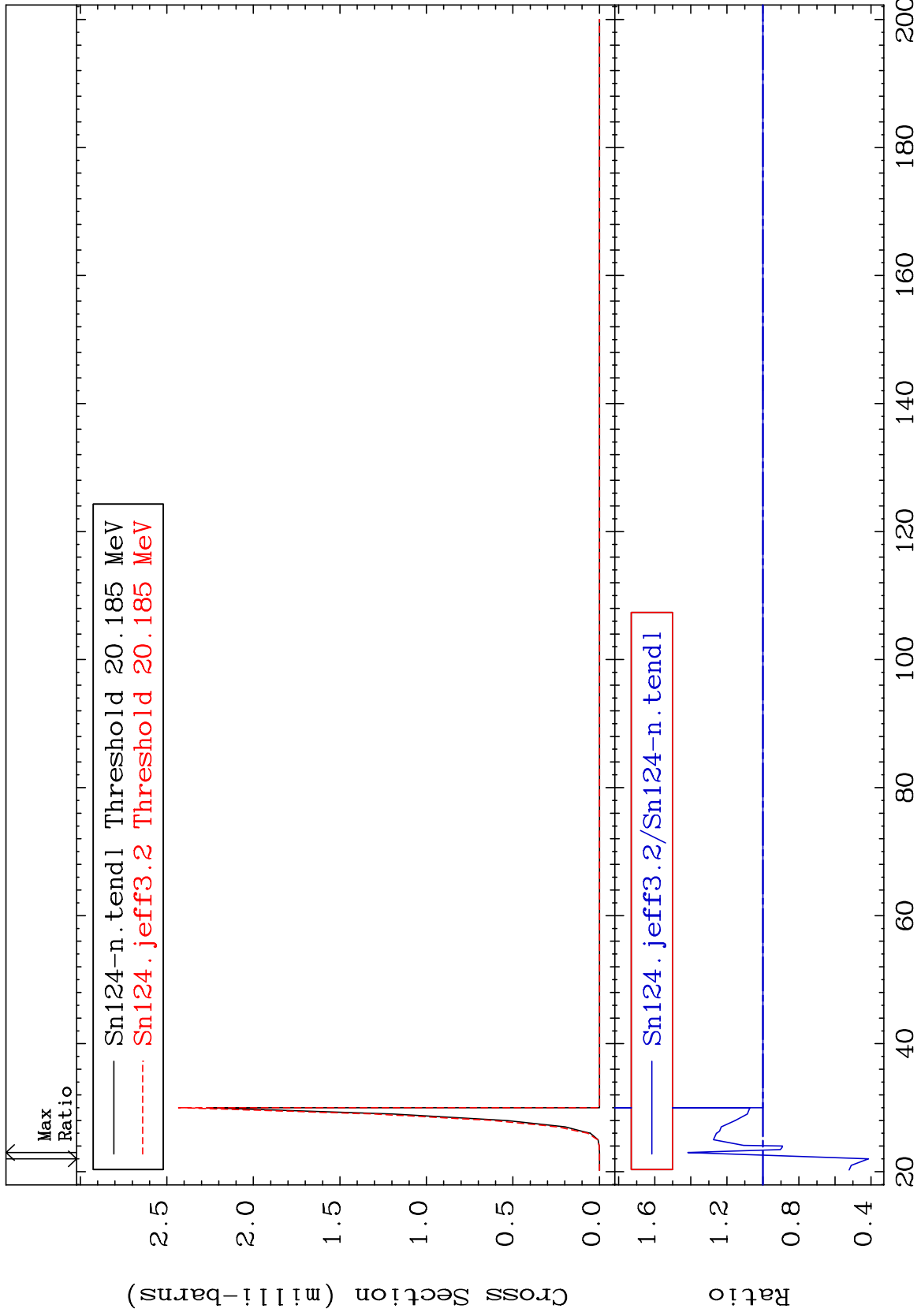
0.000 To 206.1 %



MAT 5061

(n,2n) p  
Cross Section

50-Sn-124  
-58.60 To 41.63 %



14

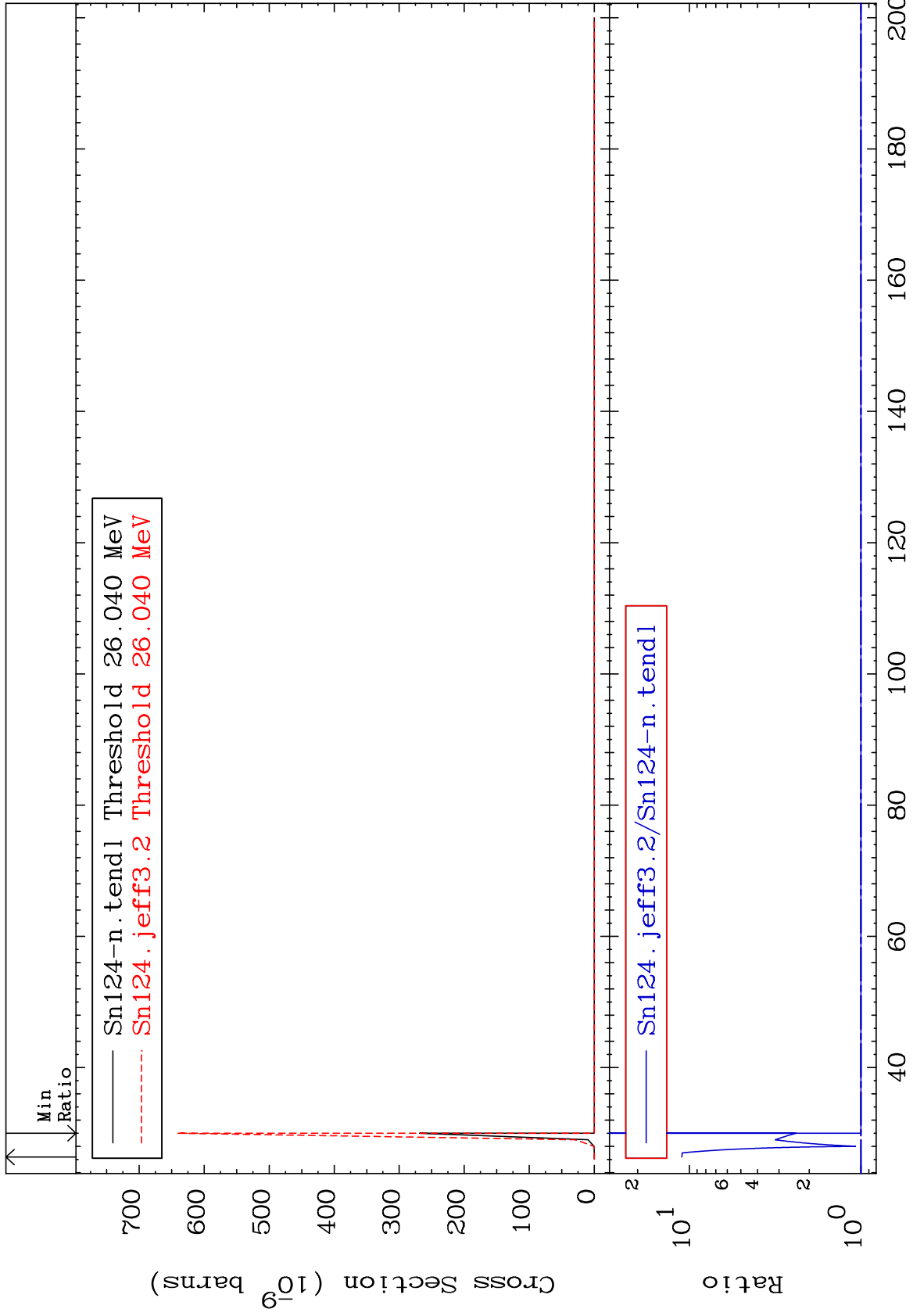
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,3n) p  
Cross Section

50-Sn-124  
To 1004. %



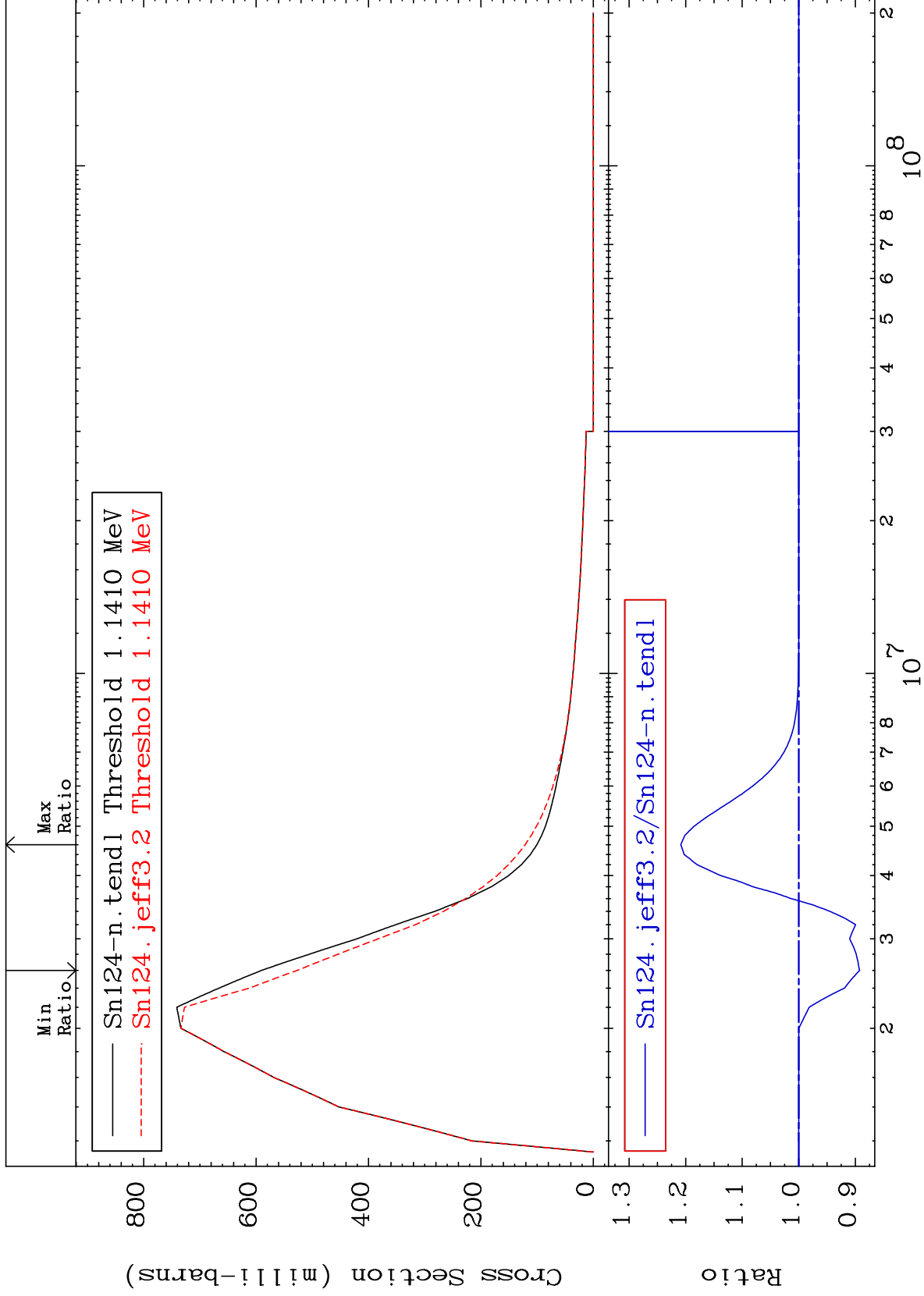
MAT 5061

1.132 MeV (n,n') Level

50-Sn-124

Cross Section

-10.75 To 20.87 %





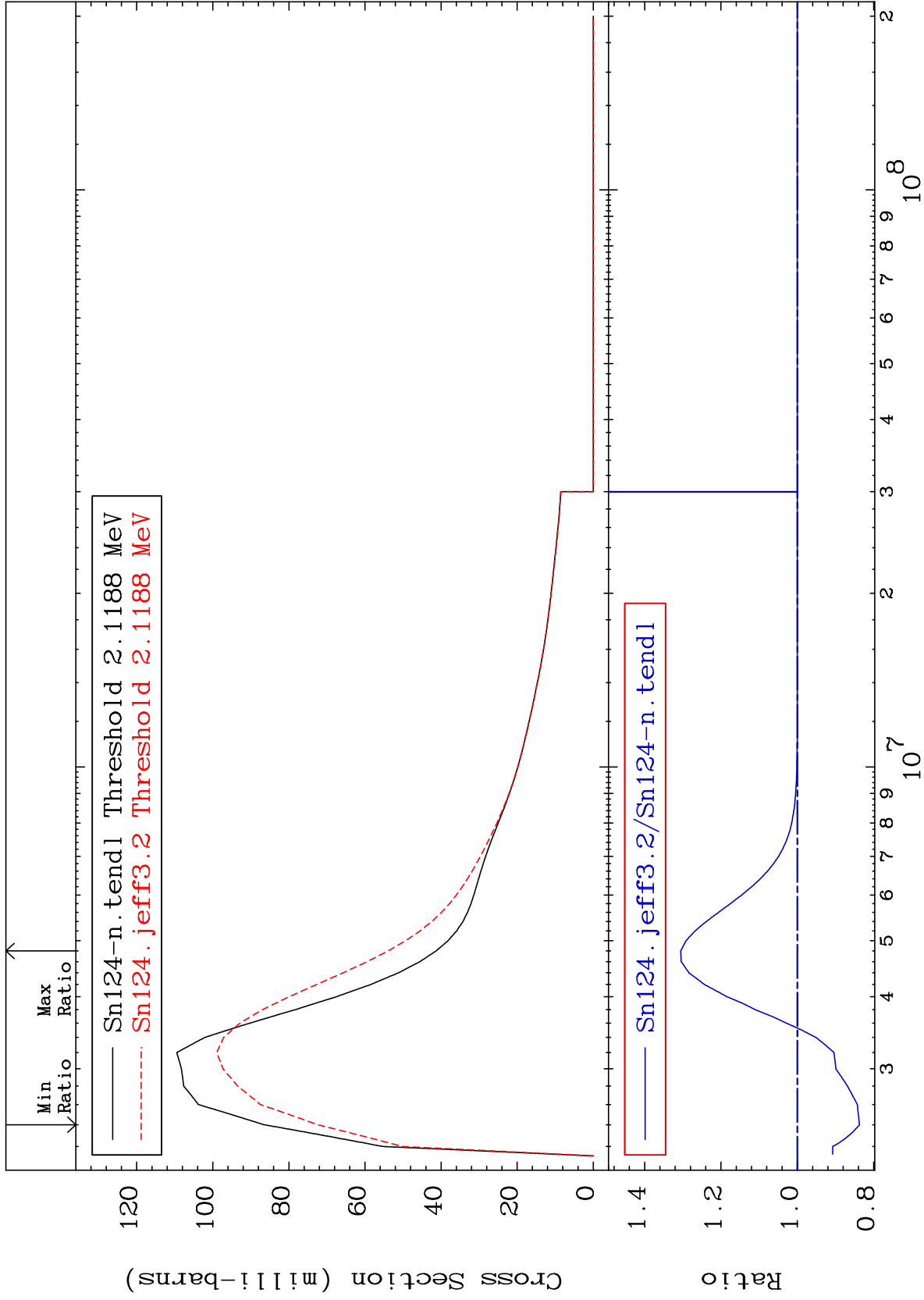
MAT 5061

2.102 MeV (n,n') Level

50-Sn-124

Cross Section

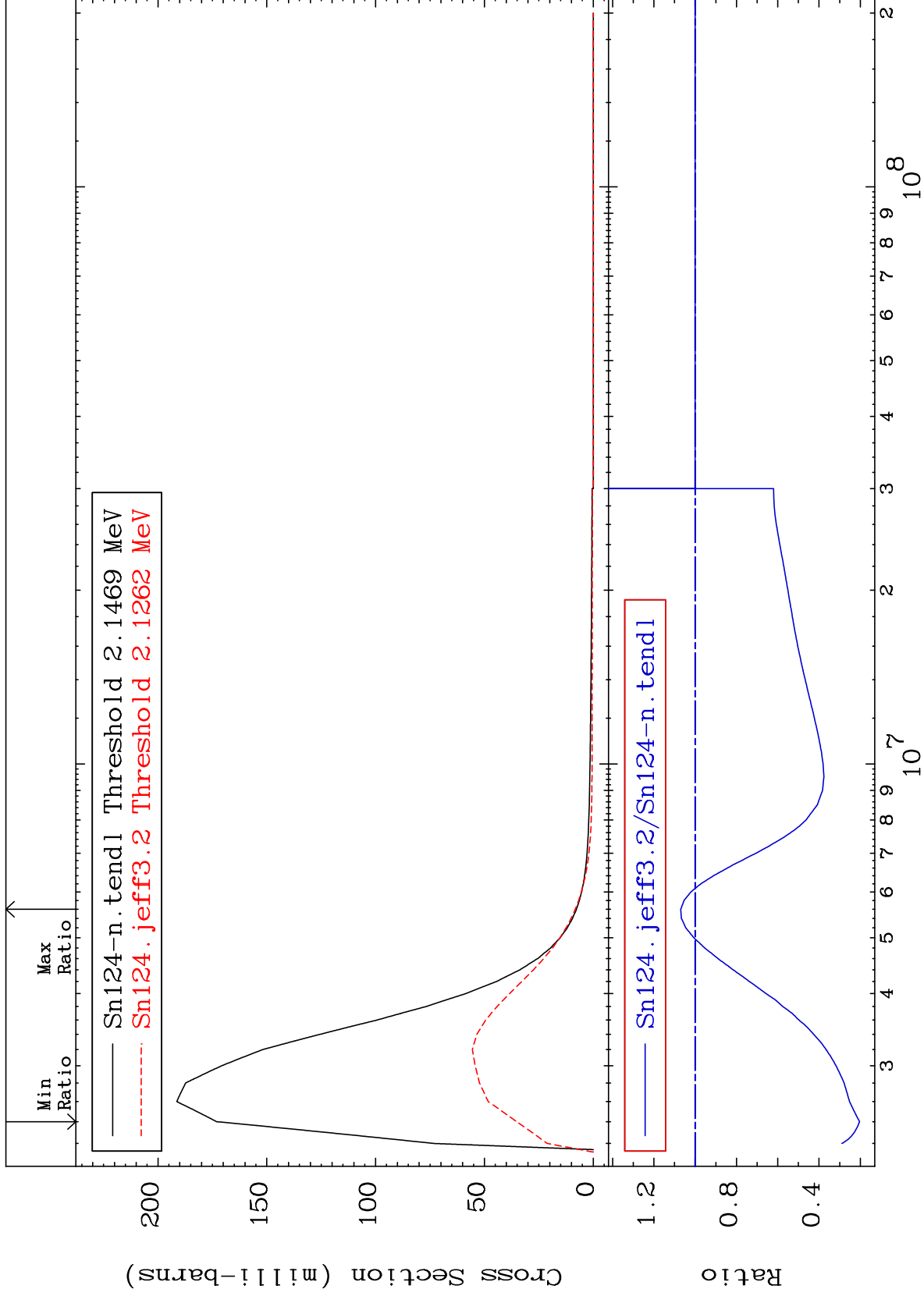
-16.30 To 30.54 %



MAT 5061

2.130 MeV (n,n') Level  
Cross Section

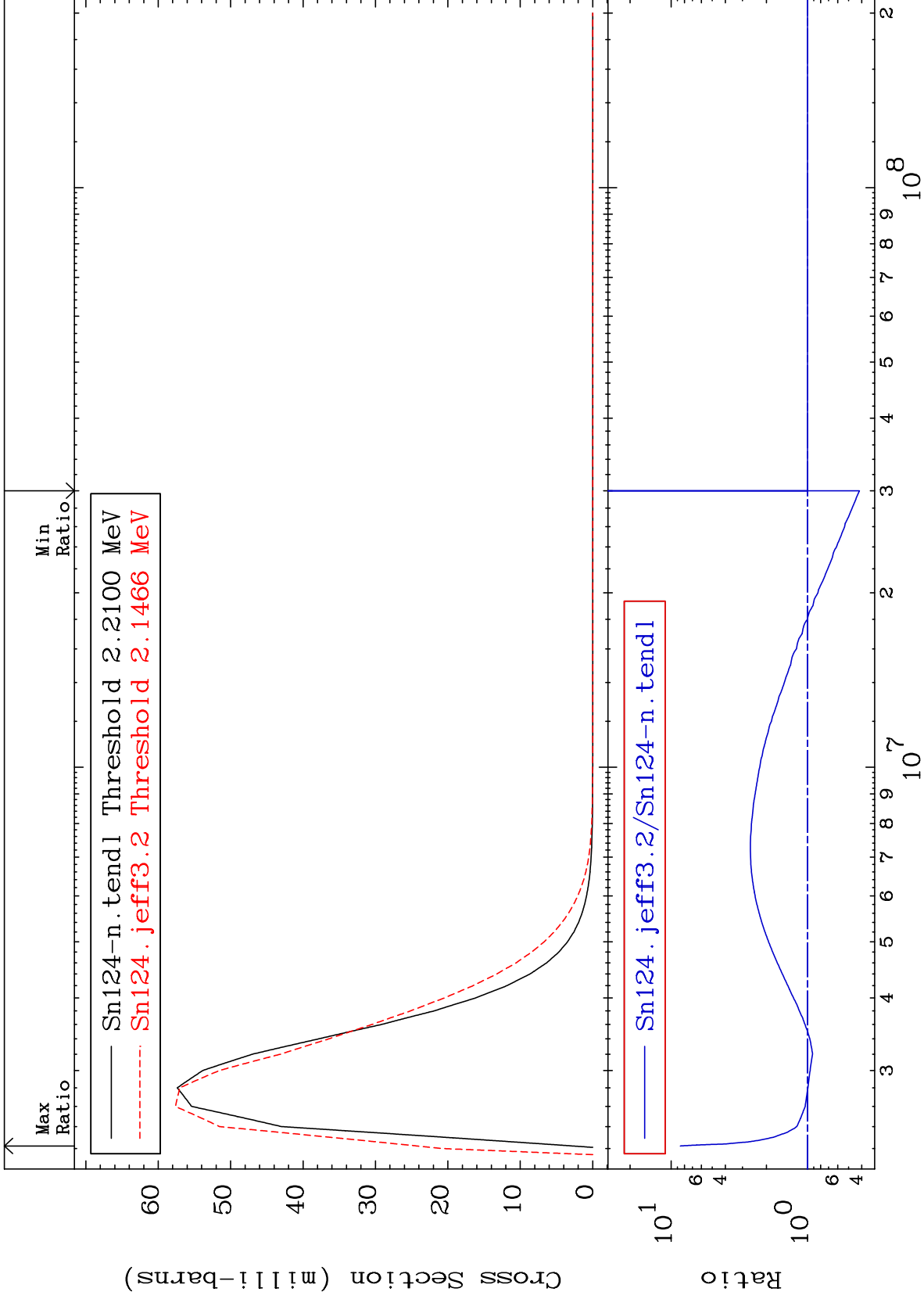
50-Sn-124  
-79.63 To 6.986 %



MAT 5061

2.192 MeV (n,n') Level  
Cross Section

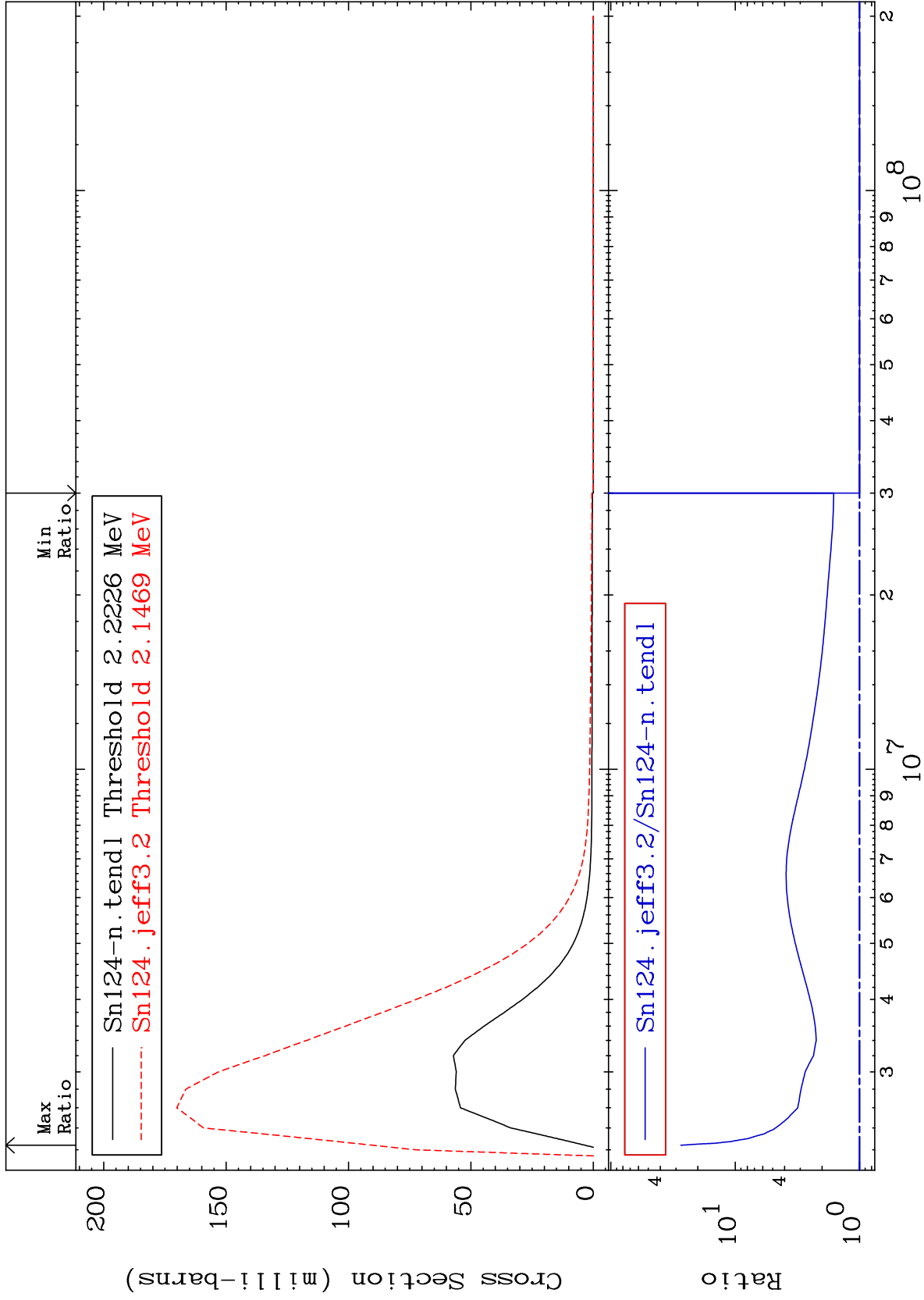
50-Sn-124  
-58.39 To 756.5 %



MAT 5061

2.205 MeV (n,n') Level  
Cross Section

50-Sn-124  
To 2641. %



20

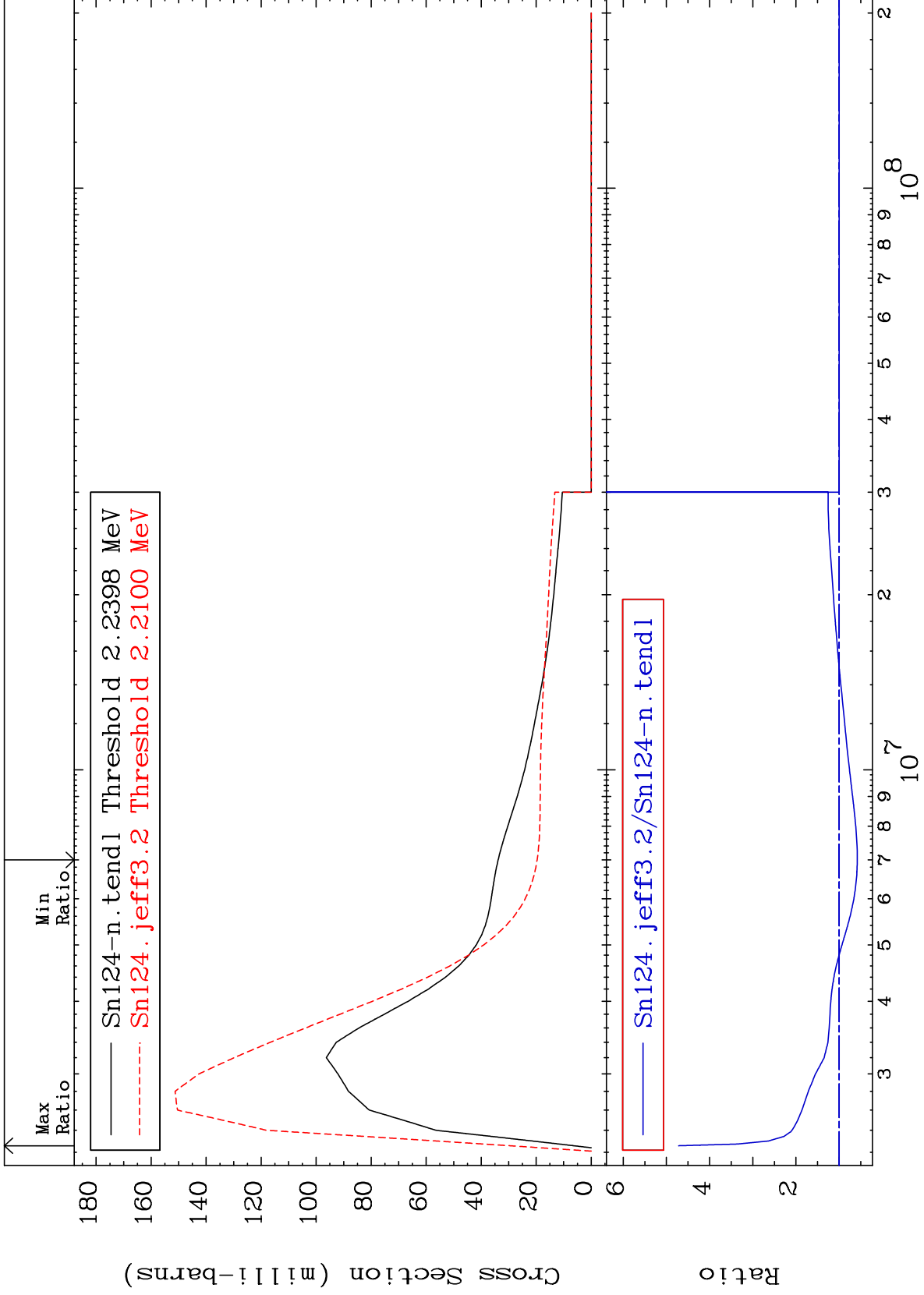
Incident Energy (eV)

50-Sn-124

MAT 5061

2.222 MeV (n,n') Level  
Cross Section

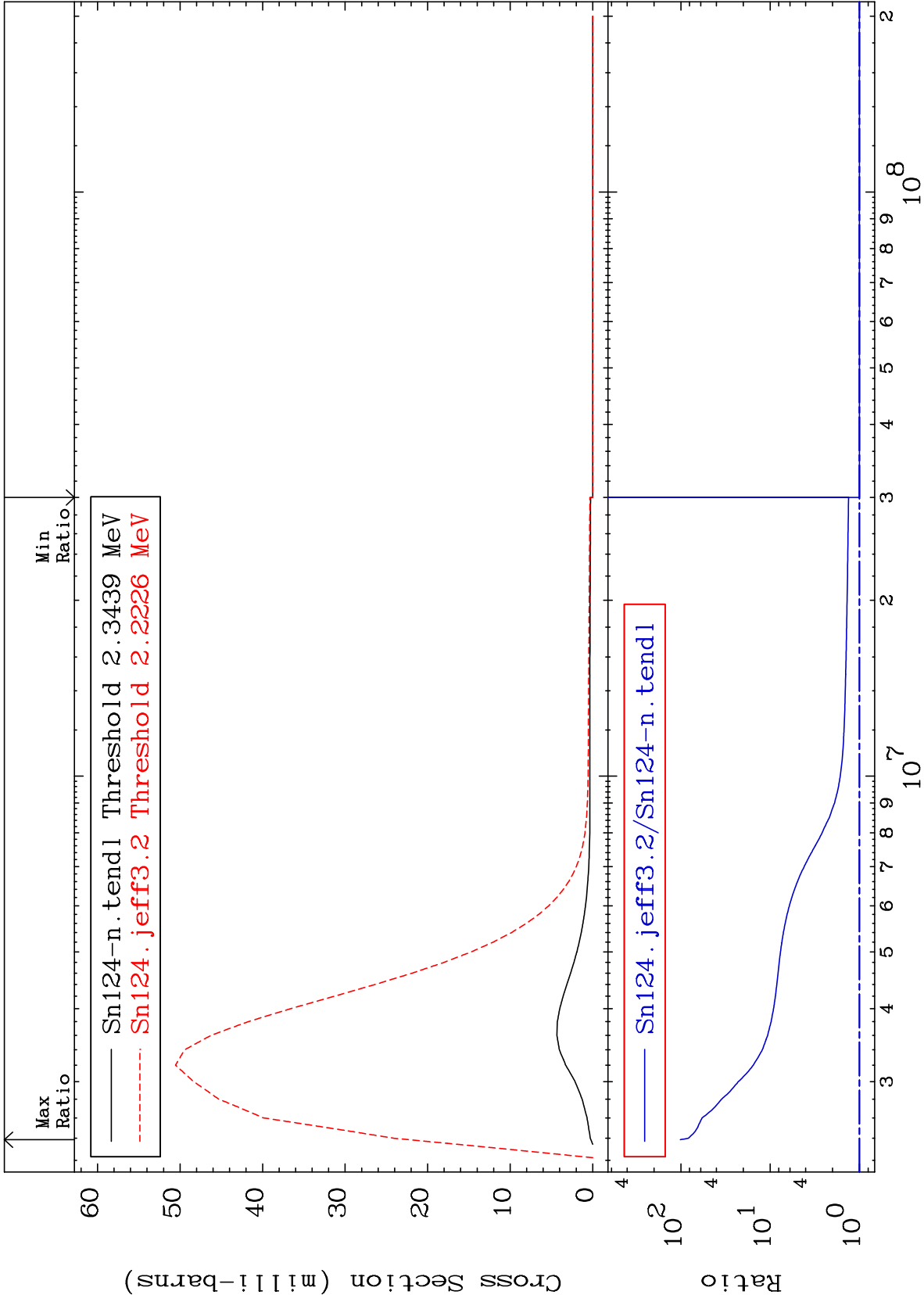
50-Sn-124  
-41.89 To 371.7 %



MAT 5061

2.325 MeV (n,n') Level  
Cross Section

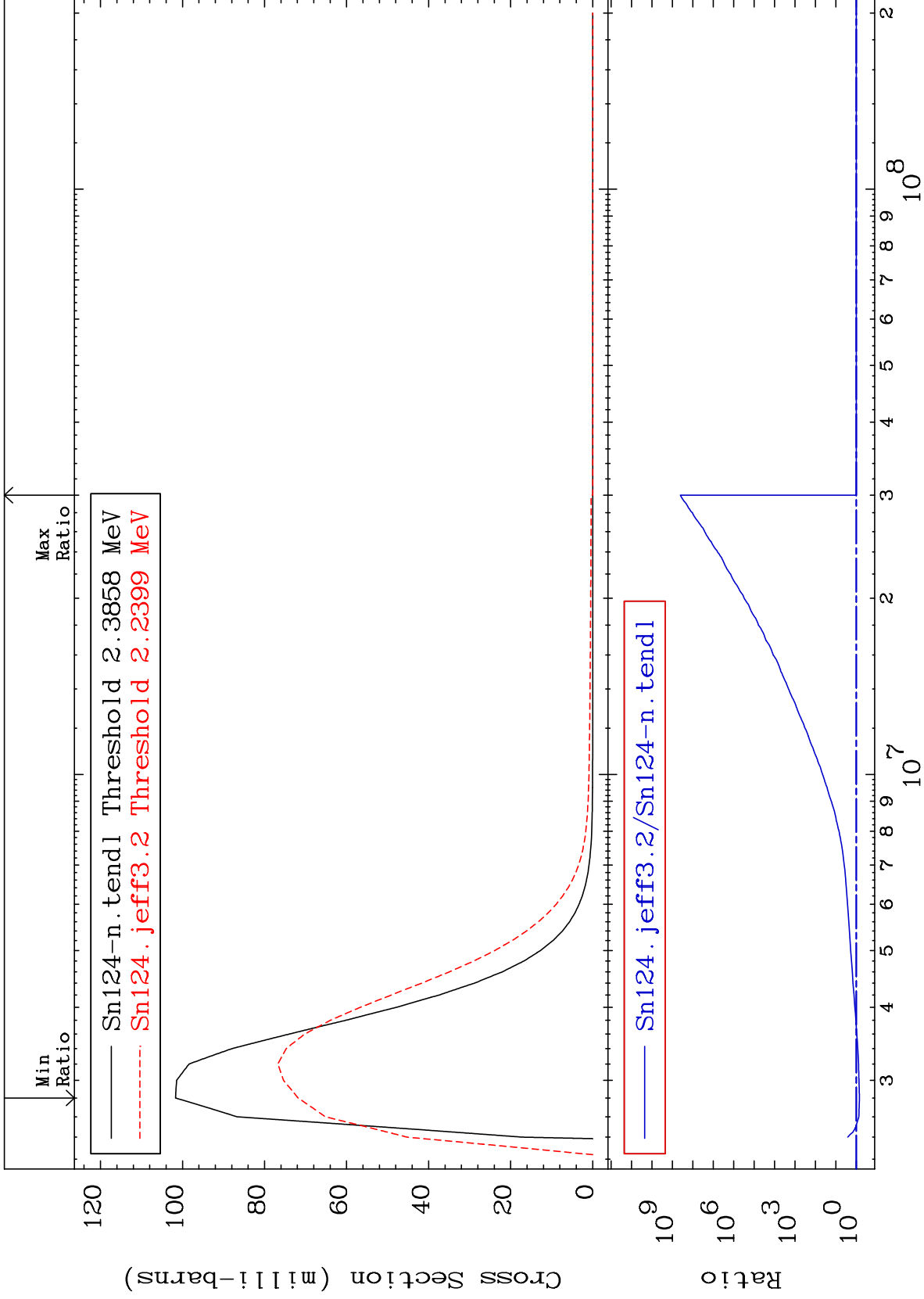
50-Sn-124  
To 9999. %



MAT 5061

2.367 MeV (n,n') Level  
Cross Section

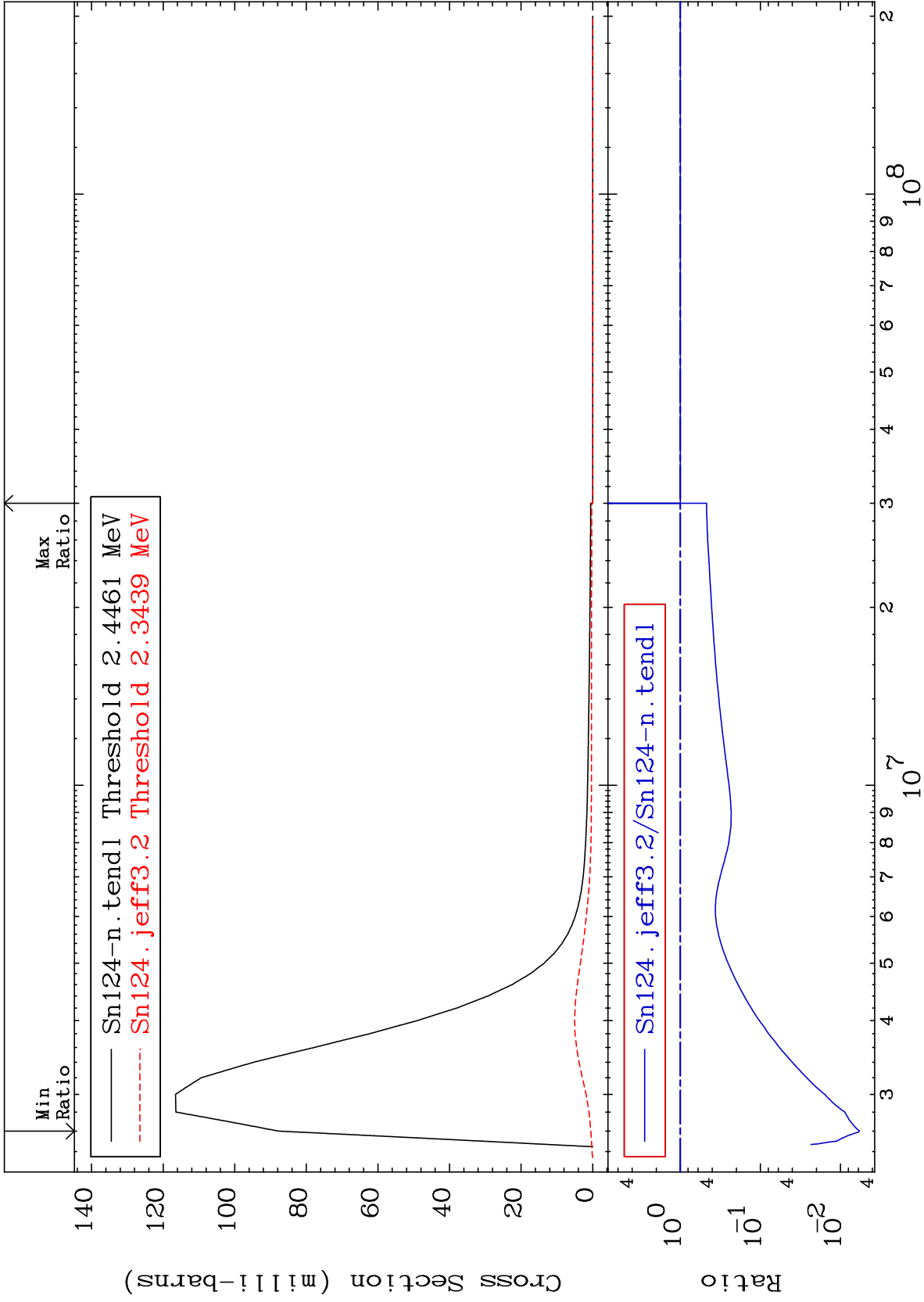
50-Sn-124  
-29.38 To 9999. %



MAT 5061

2.426 MeV (n,n') Level  
Cross Section

50-Sn-124  
-99.42 To 0.000 %

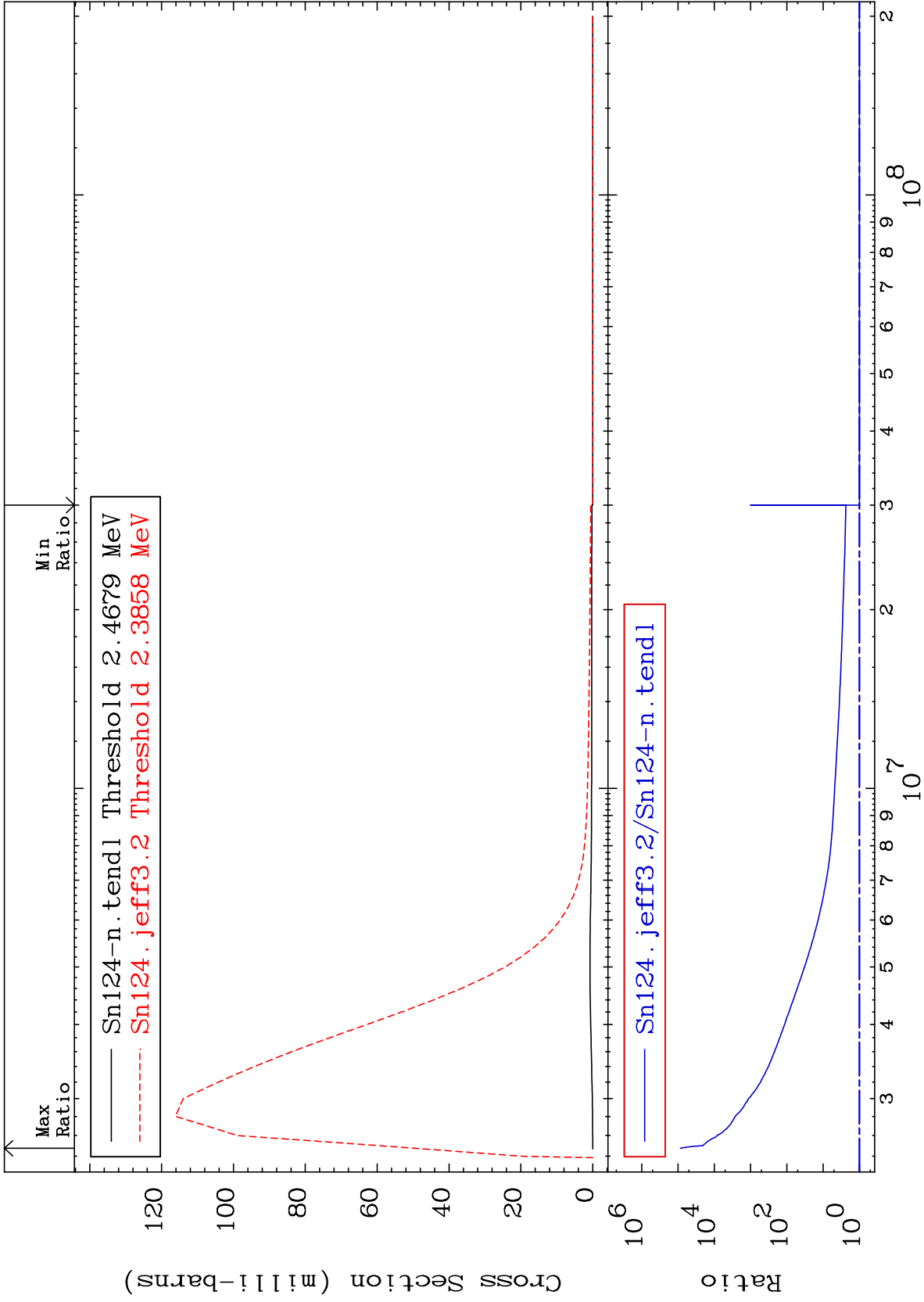


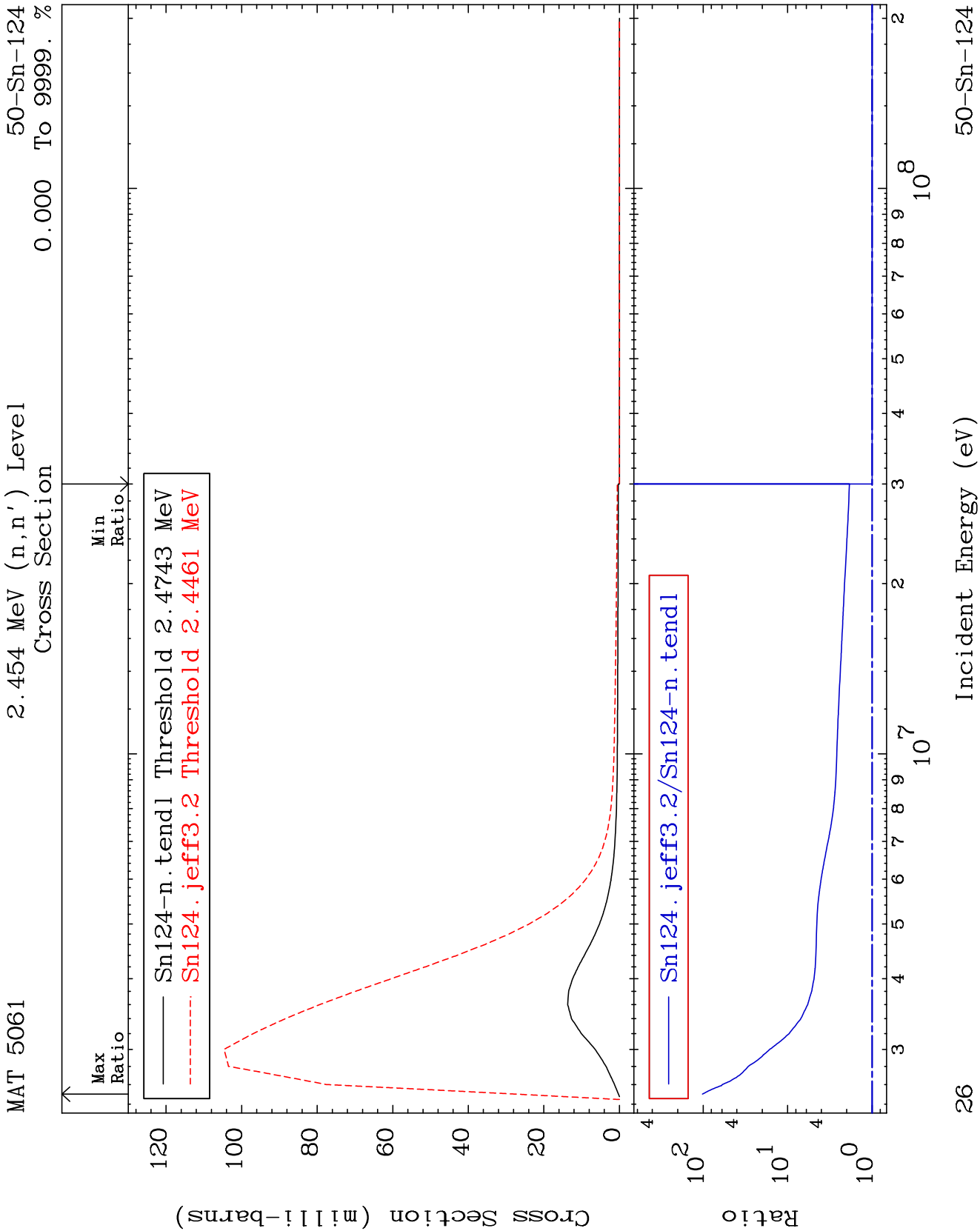


MAT 5061

2.448 MeV (n,n') Level  
Cross Section

50-Sn-124  
To 9999. %





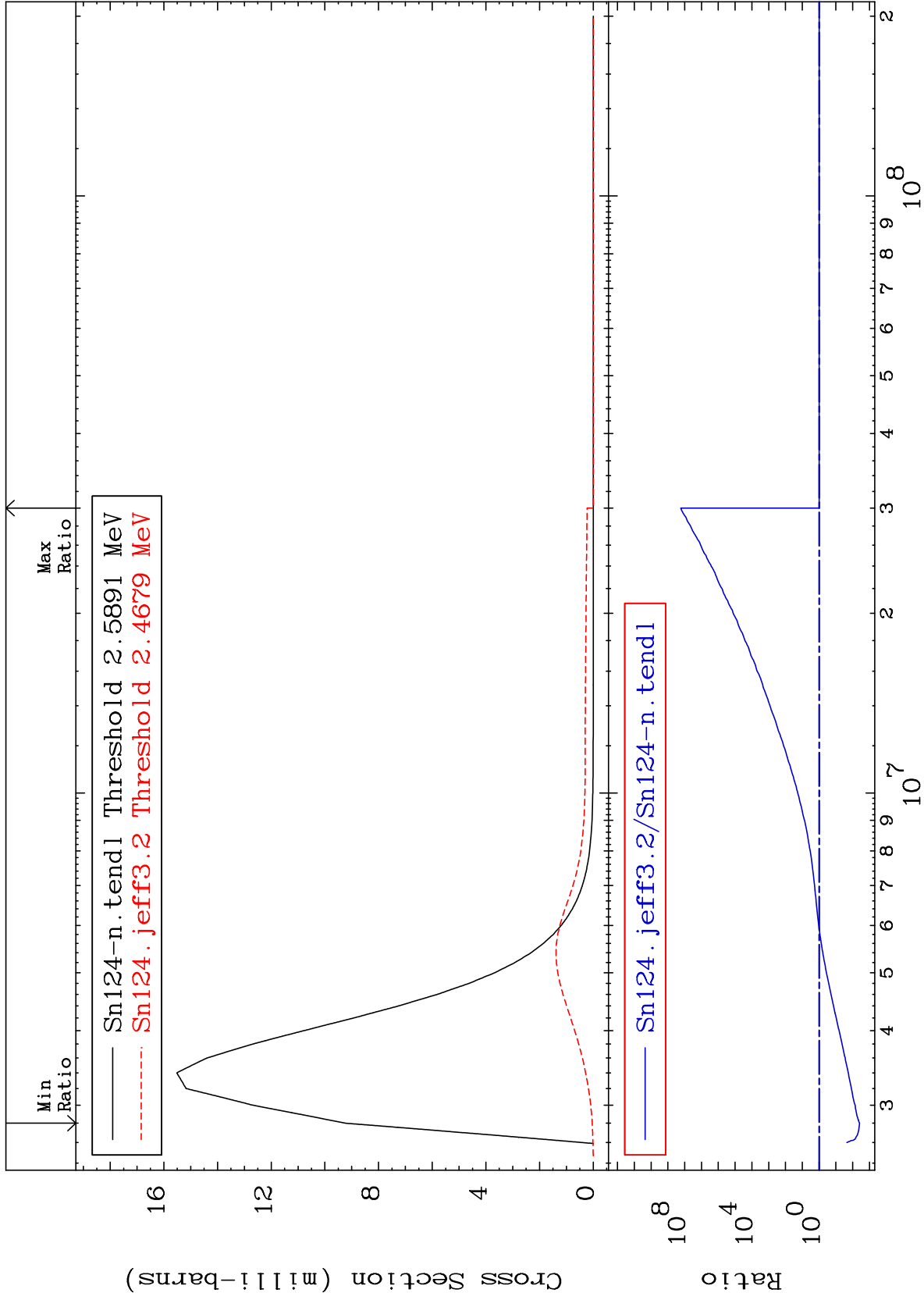
MAT 5061

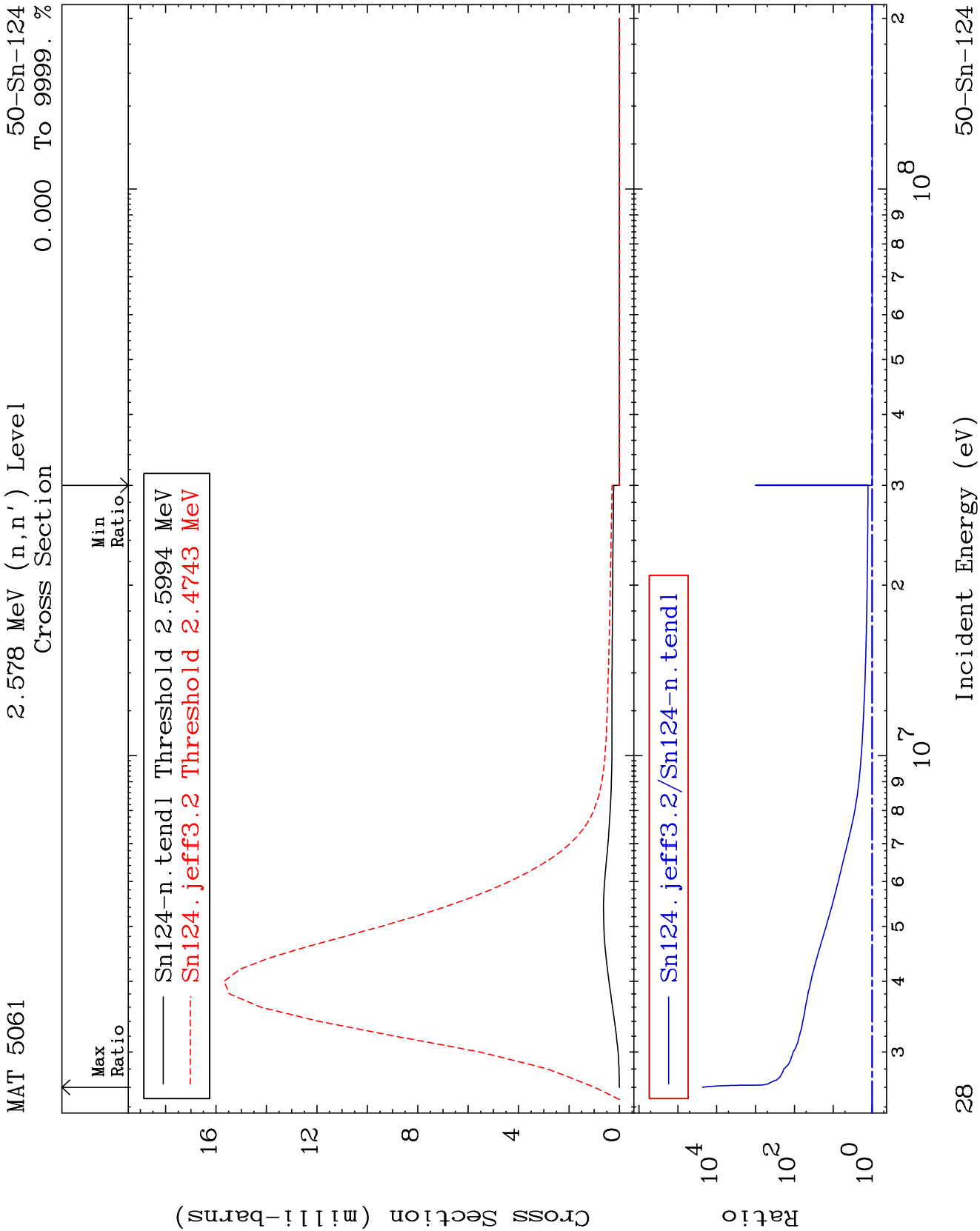
2.568 MeV (n,n') Level

50-Sn-124

-99.61 To 9999. %

Cross Section



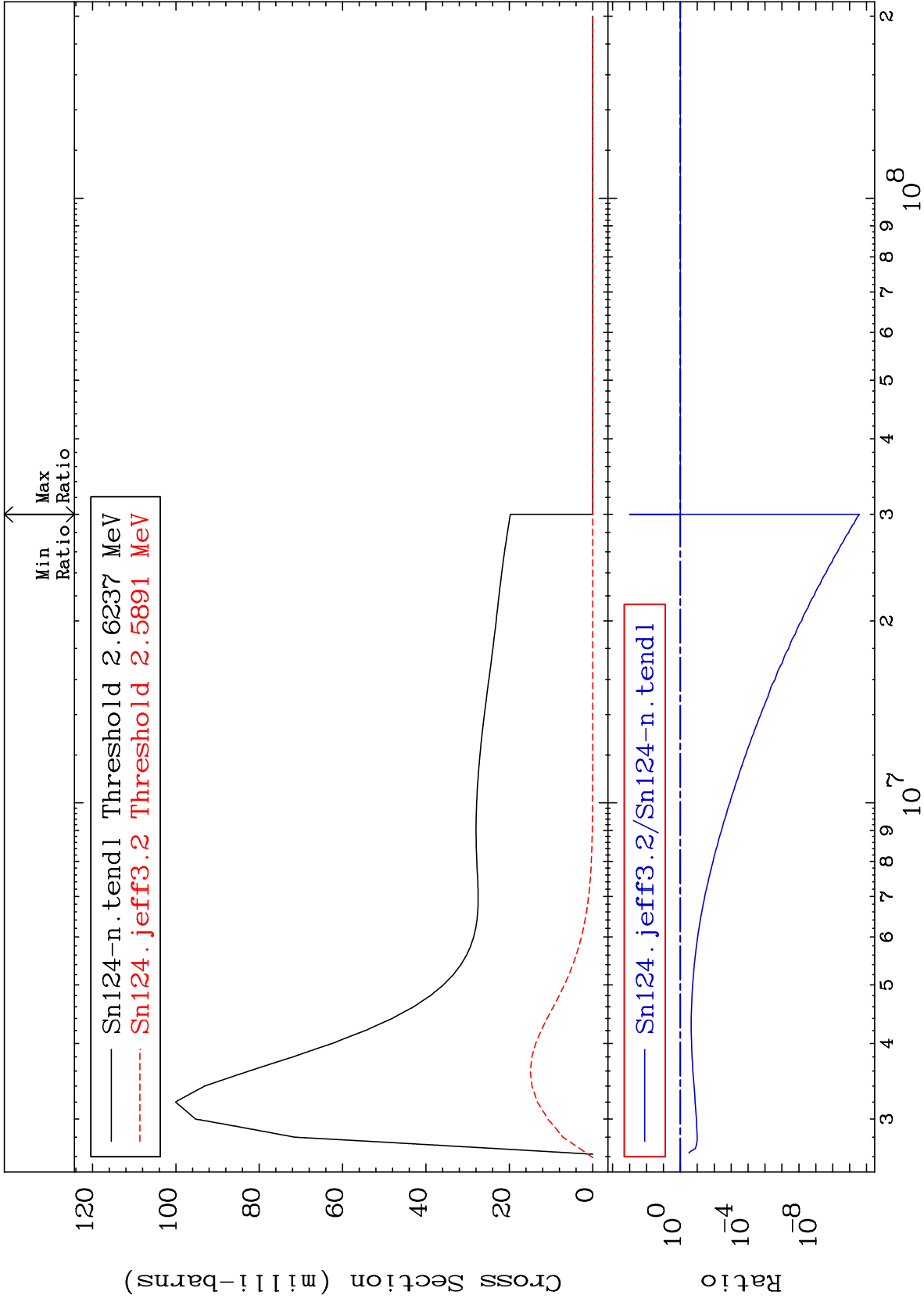


MAT 5061

2.602 MeV (n,n') Level

50-Sn-124

-100.0 To 0.000 %



29

Incident Energy (eV)

50-Sn-124

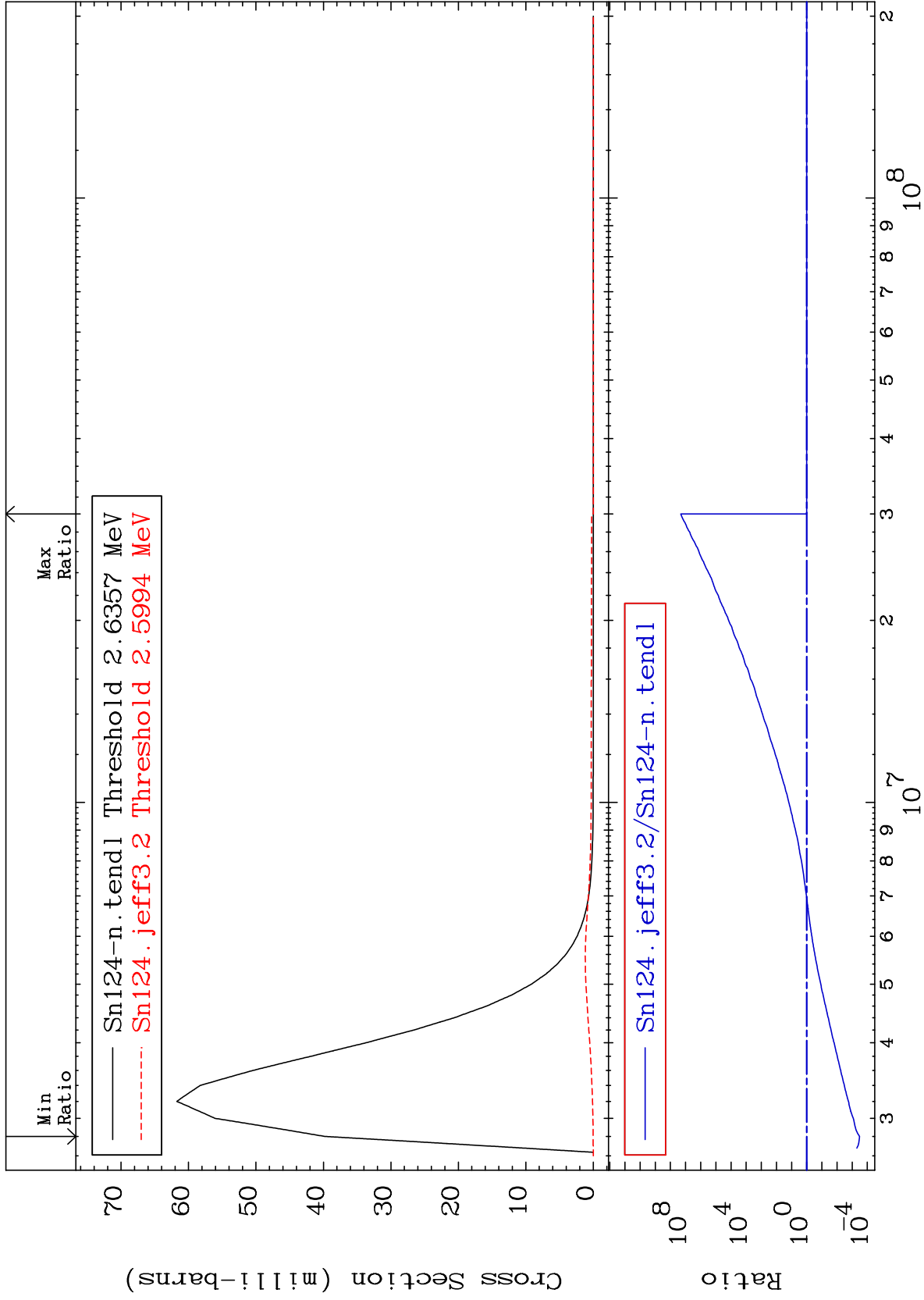
MAT 5061

2.614 MeV (n,n') Level

50-Sn-124

-99.97 To 9999. %

Cross Section

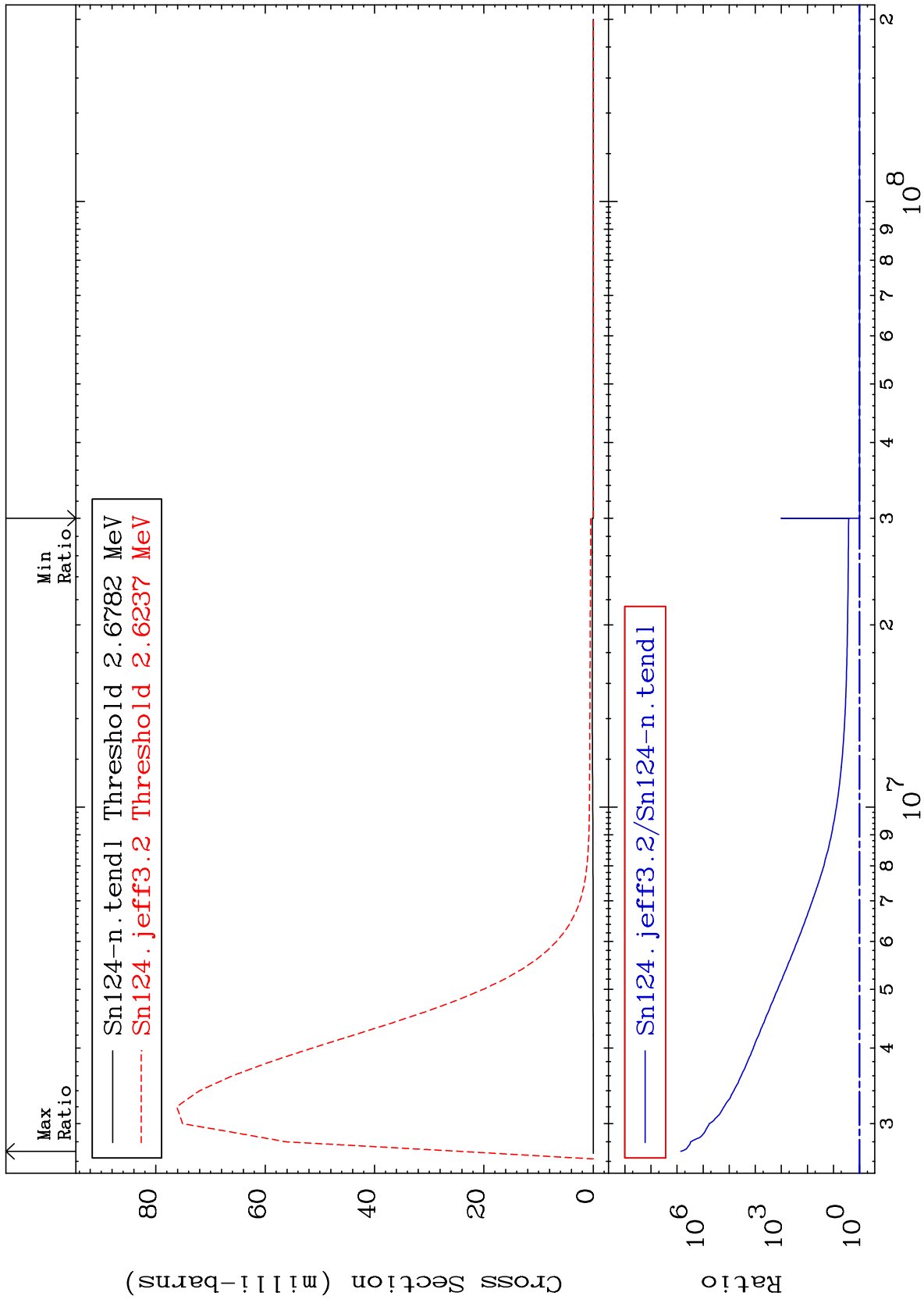


30

Incident Energy (eV)

50-Sn-124

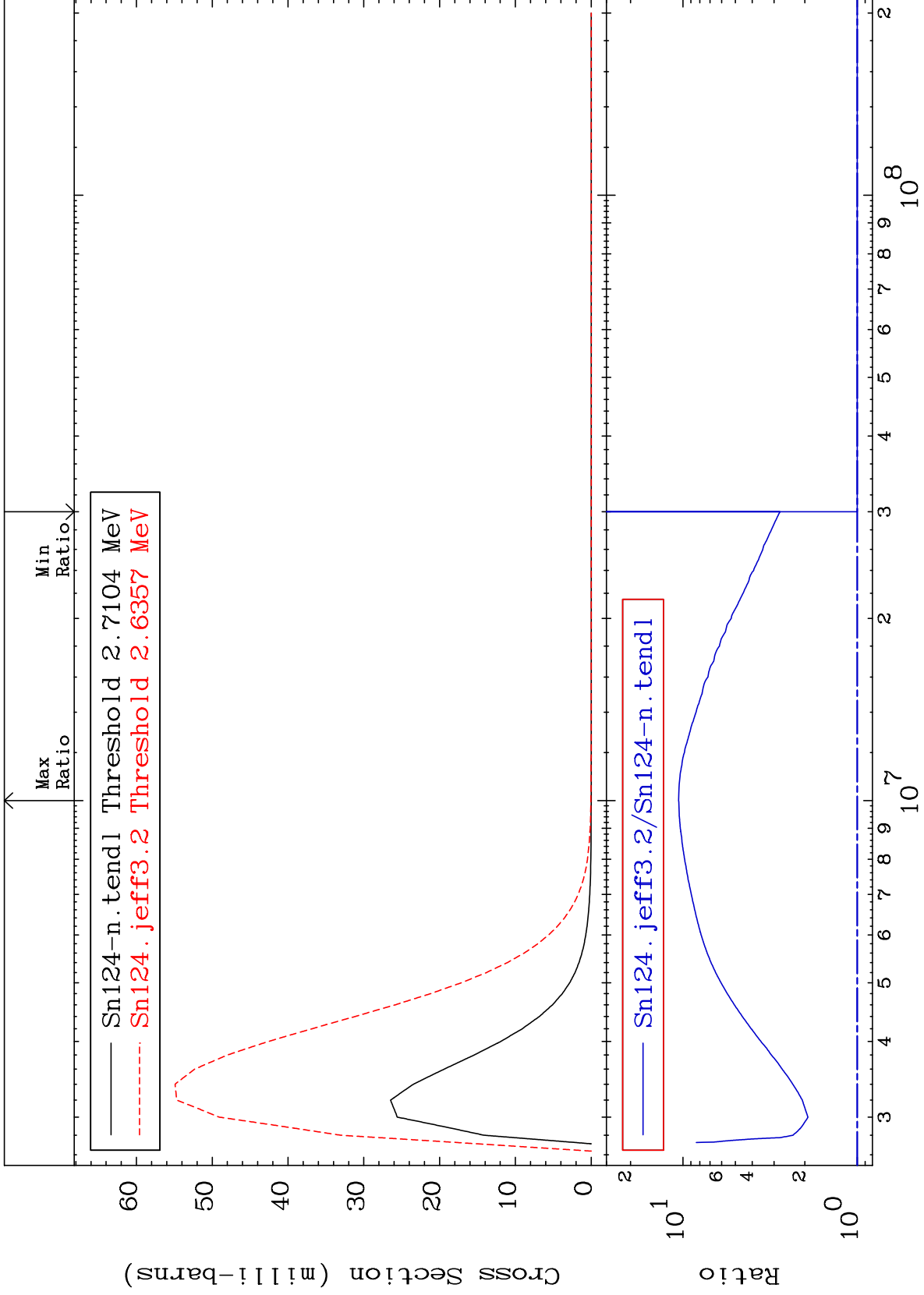
MAT 5061      2.657 MeV (n,n') Level      50-Sn-124  
 Cross Section      To 9999. %



MAT 5061

2.689 MeV (n,n') Level  
Cross Section

50-Sn-124  
To 958.5 %





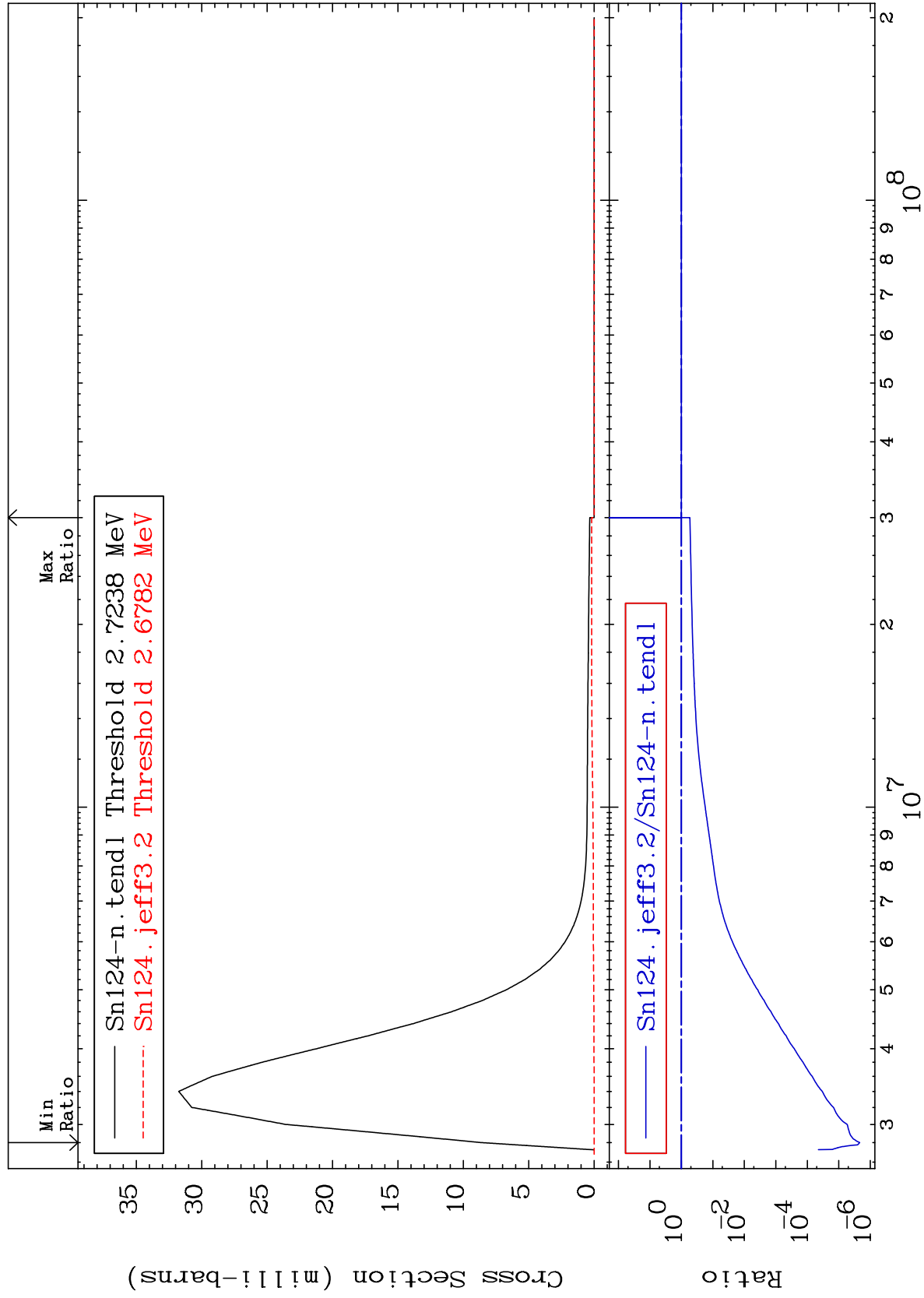
MAT 5061

2.702 MeV (n,n') Level

50-Sn-124

-100.0 To 0.000 %

Cross Section

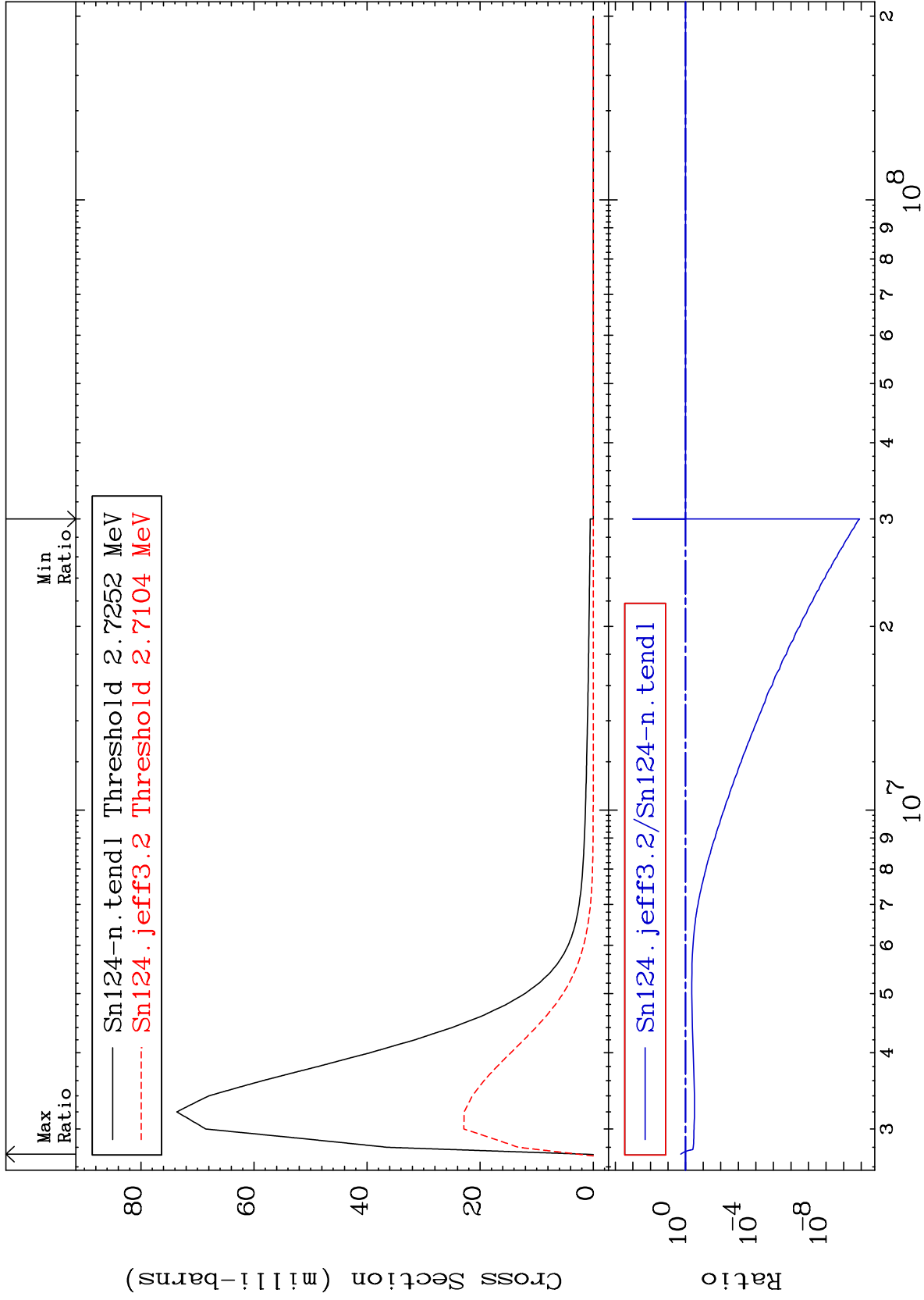


MAT 5061

2.703 MeV (n,n') Level

50-Sn-124

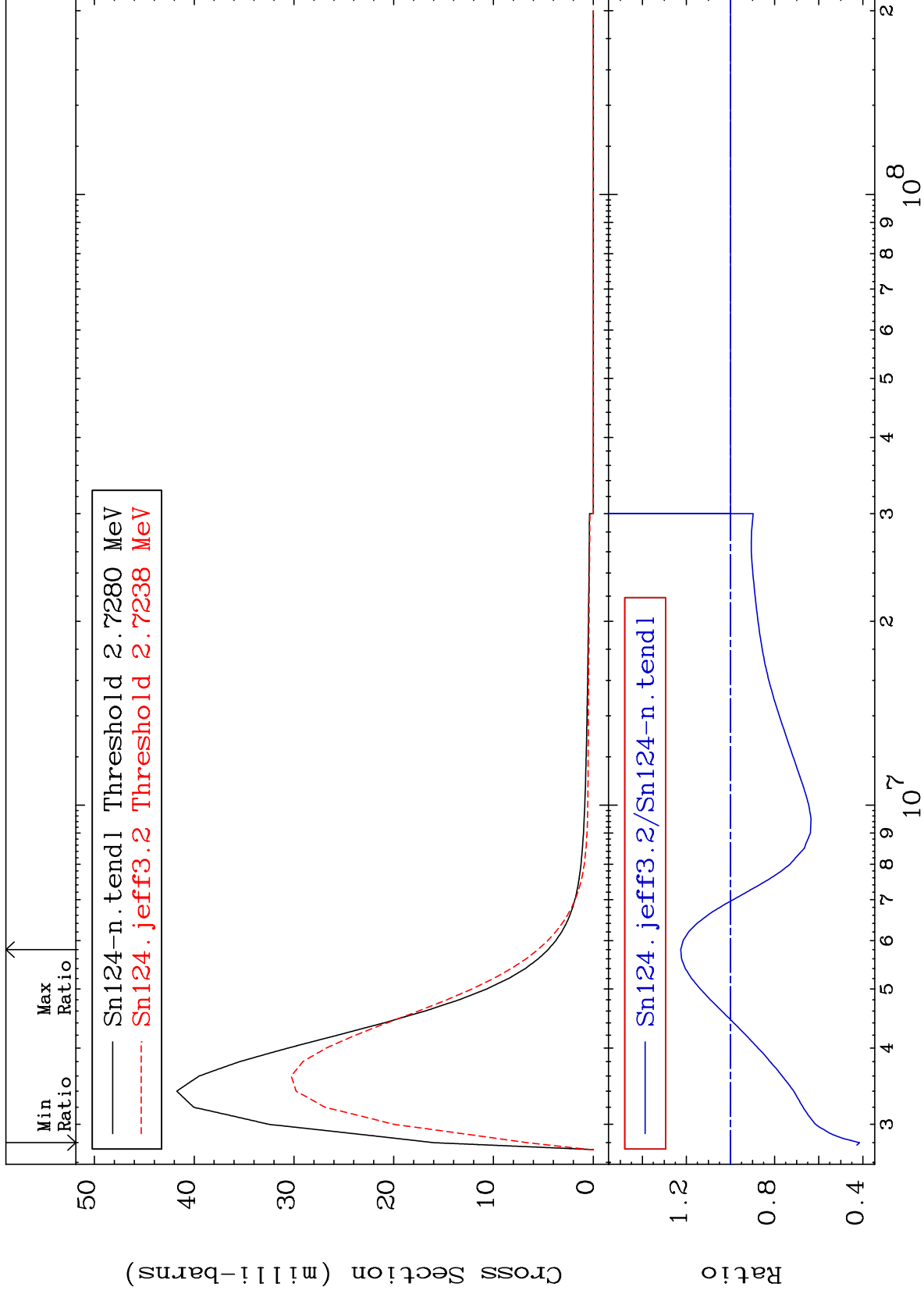
-100.0 To 88.60 %



MAT 5061

2.706 MeV (n,n') Level  
Cross Section

50-Sn-124  
-58.48 To 22.57 %



35

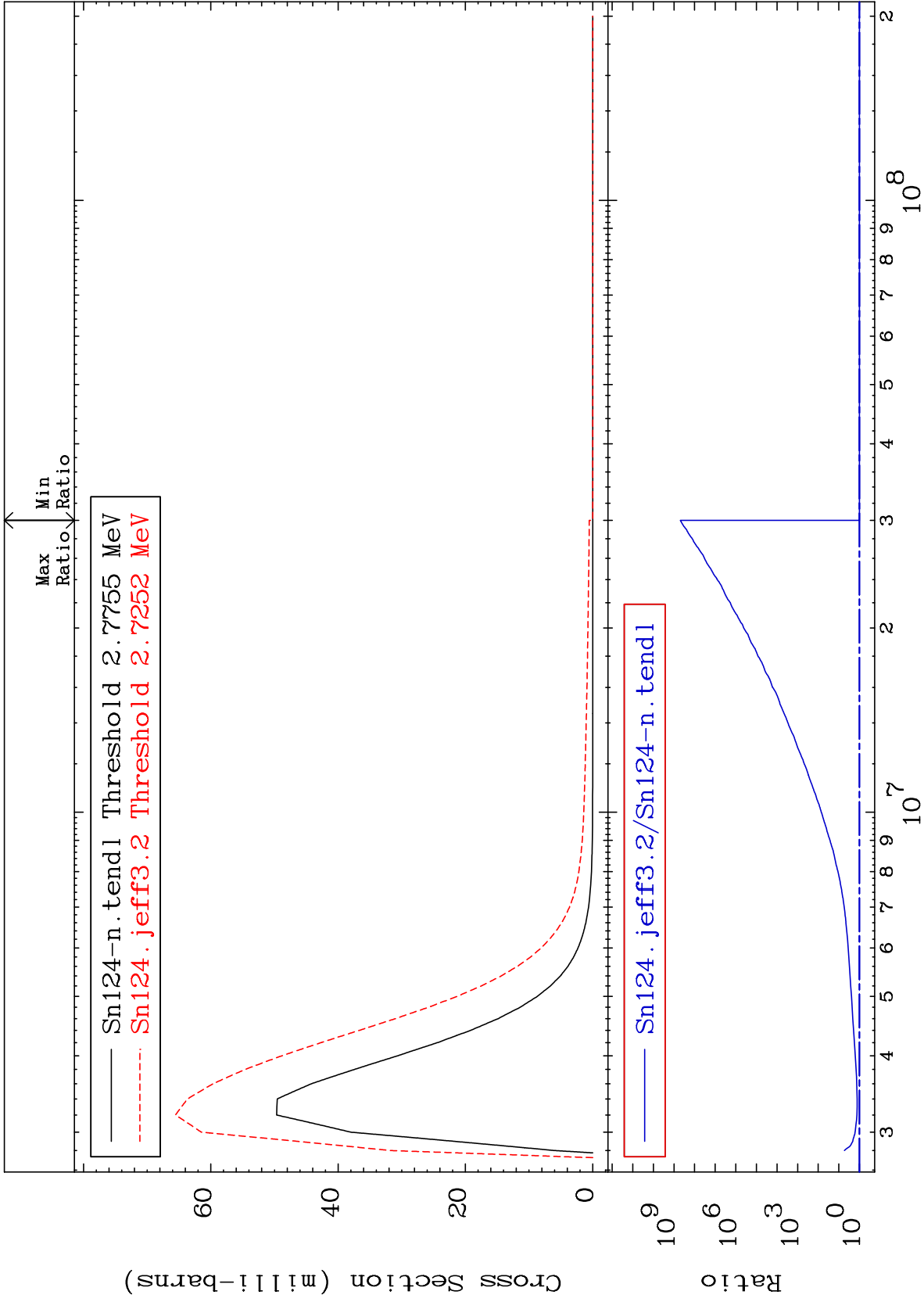
Incident Energy (eV)

50-Sn-124

MAT 5061

2.753 MeV (n,n') Level  
Cross Section

50-Sn-124  
To 9999. %

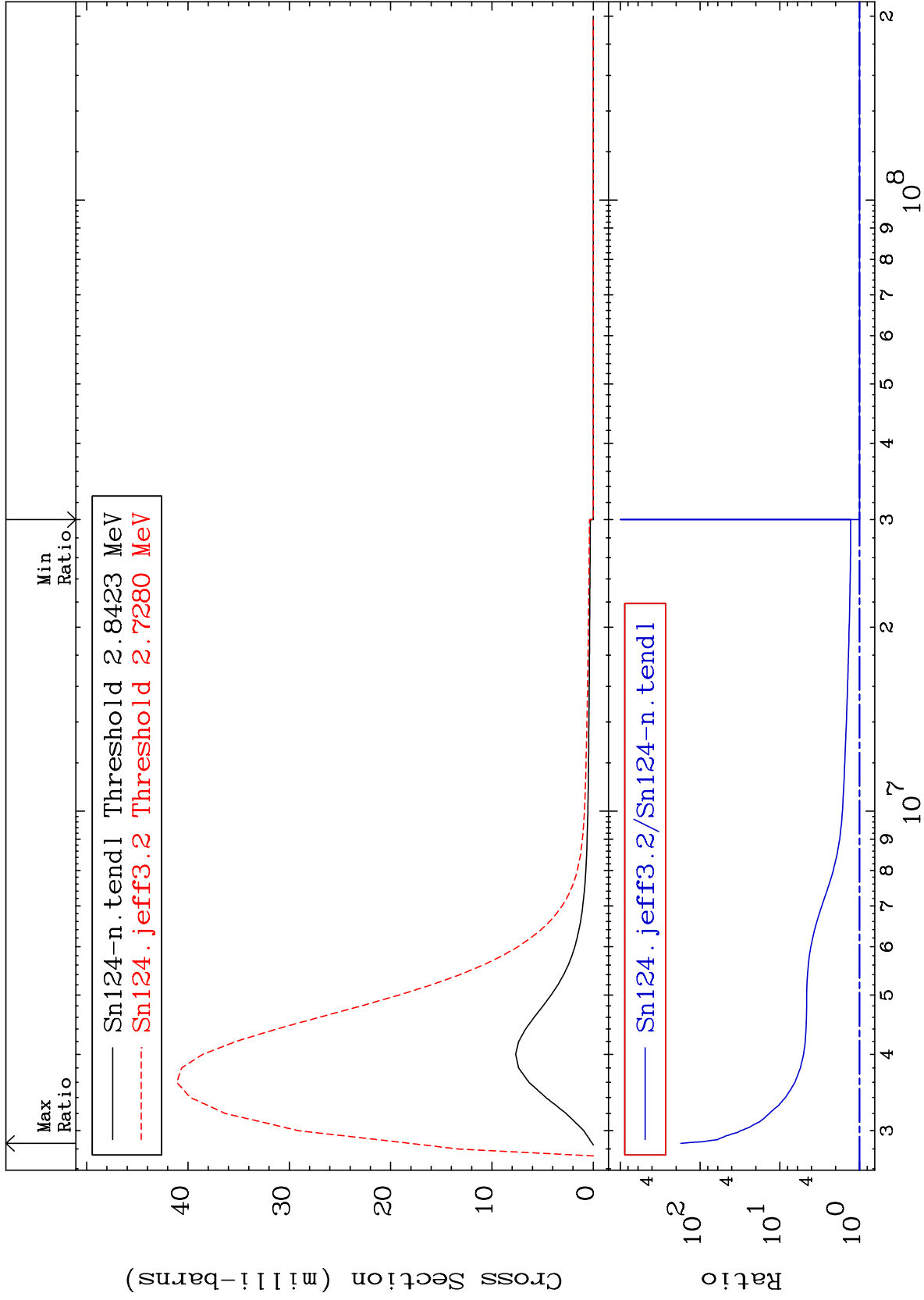


MAT 5061

2.819 MeV (n,n') Level

50-Sn-124

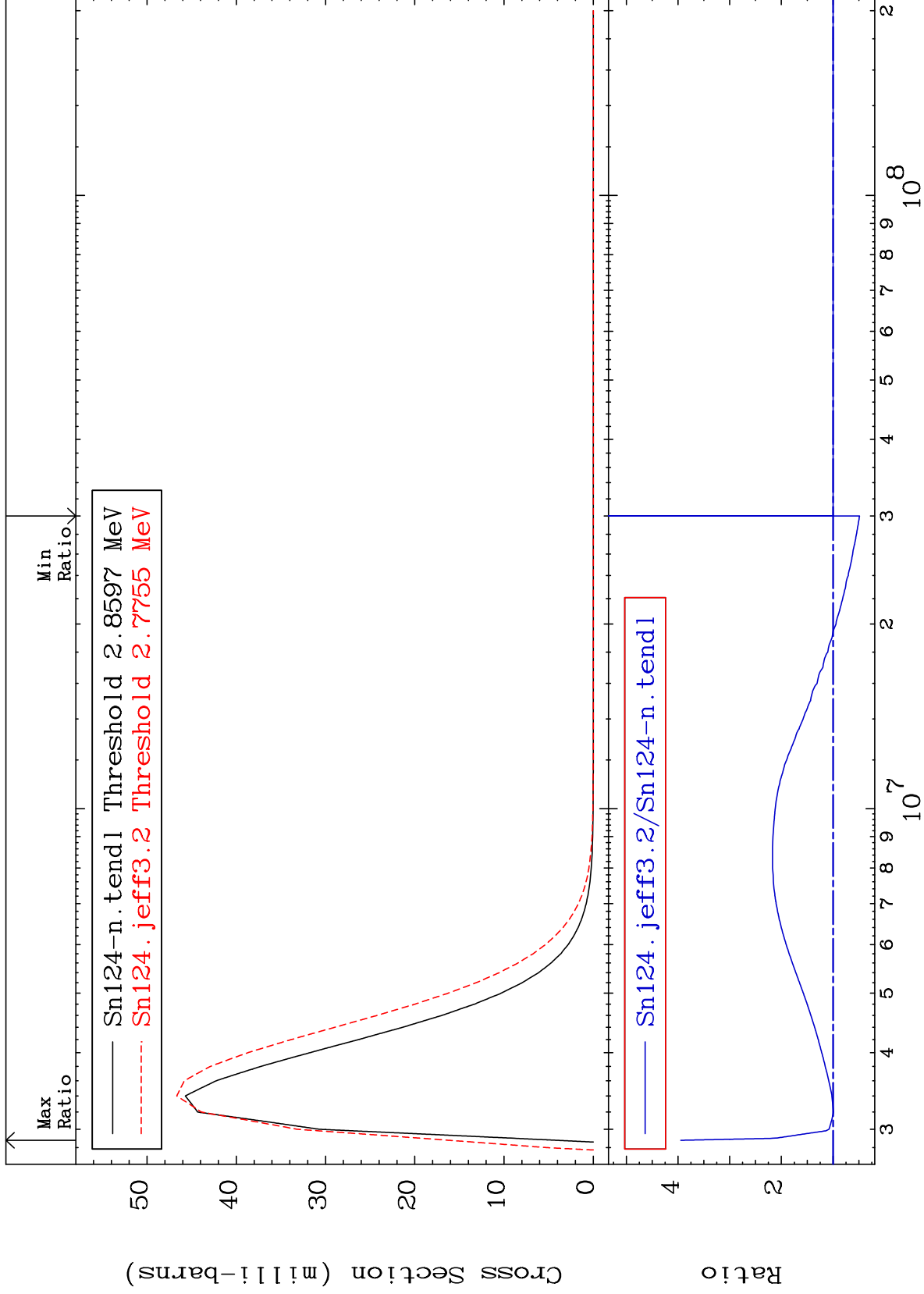
Cross Section  
To 9999. %



MAT 5061

2.837 MeV (n,n') Level  
Cross Section

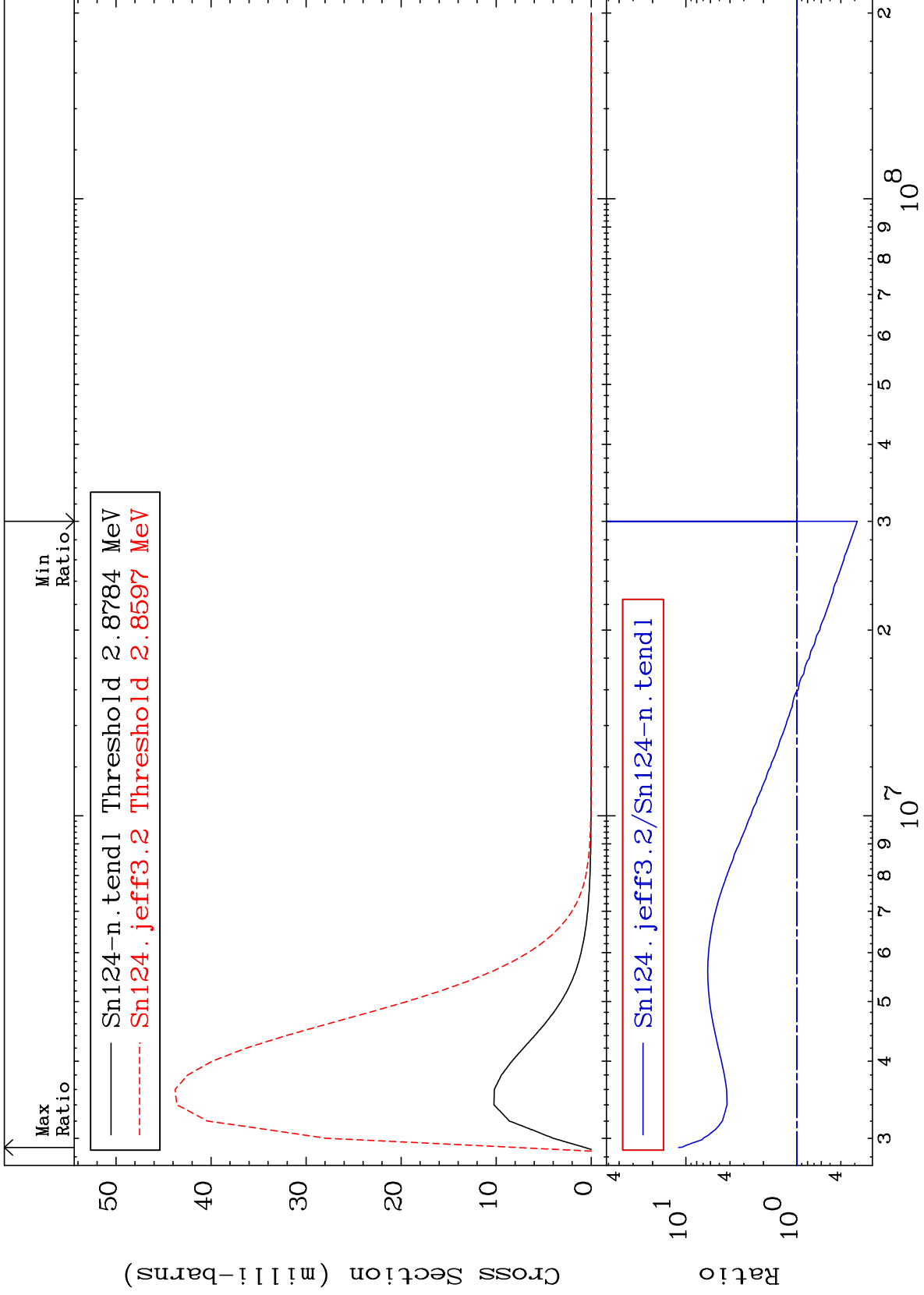
50-Sn-124  
-51.31 To 294.7 %



MAT 5061

2.855 MeV (n,n') Level  
Cross Section

50-Sn-124  
-71.57 To 1063. %

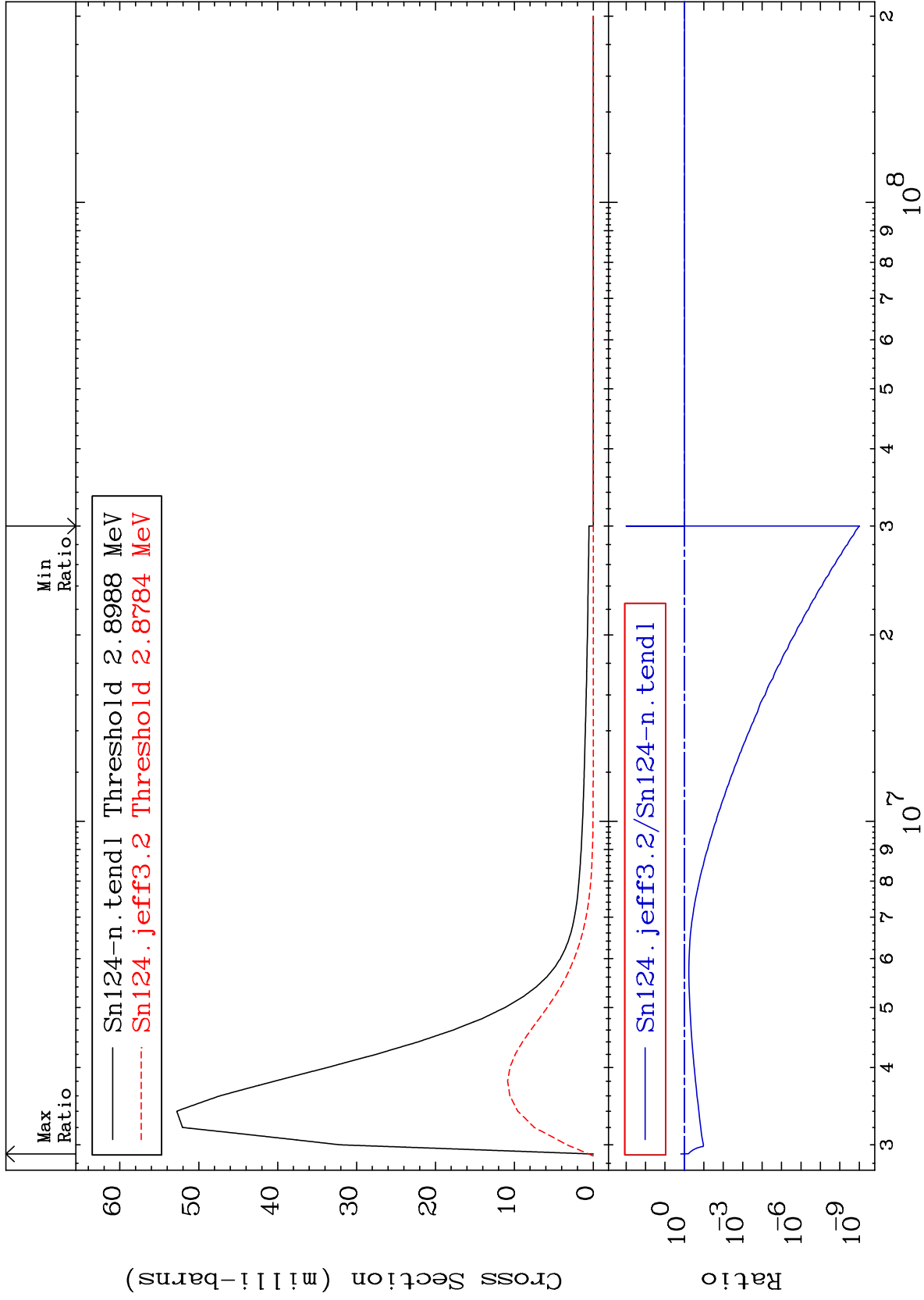


MAT 5061

2.875 MeV (n,n') Level

50-Sn-124

-100.0 To 53.68 %



40

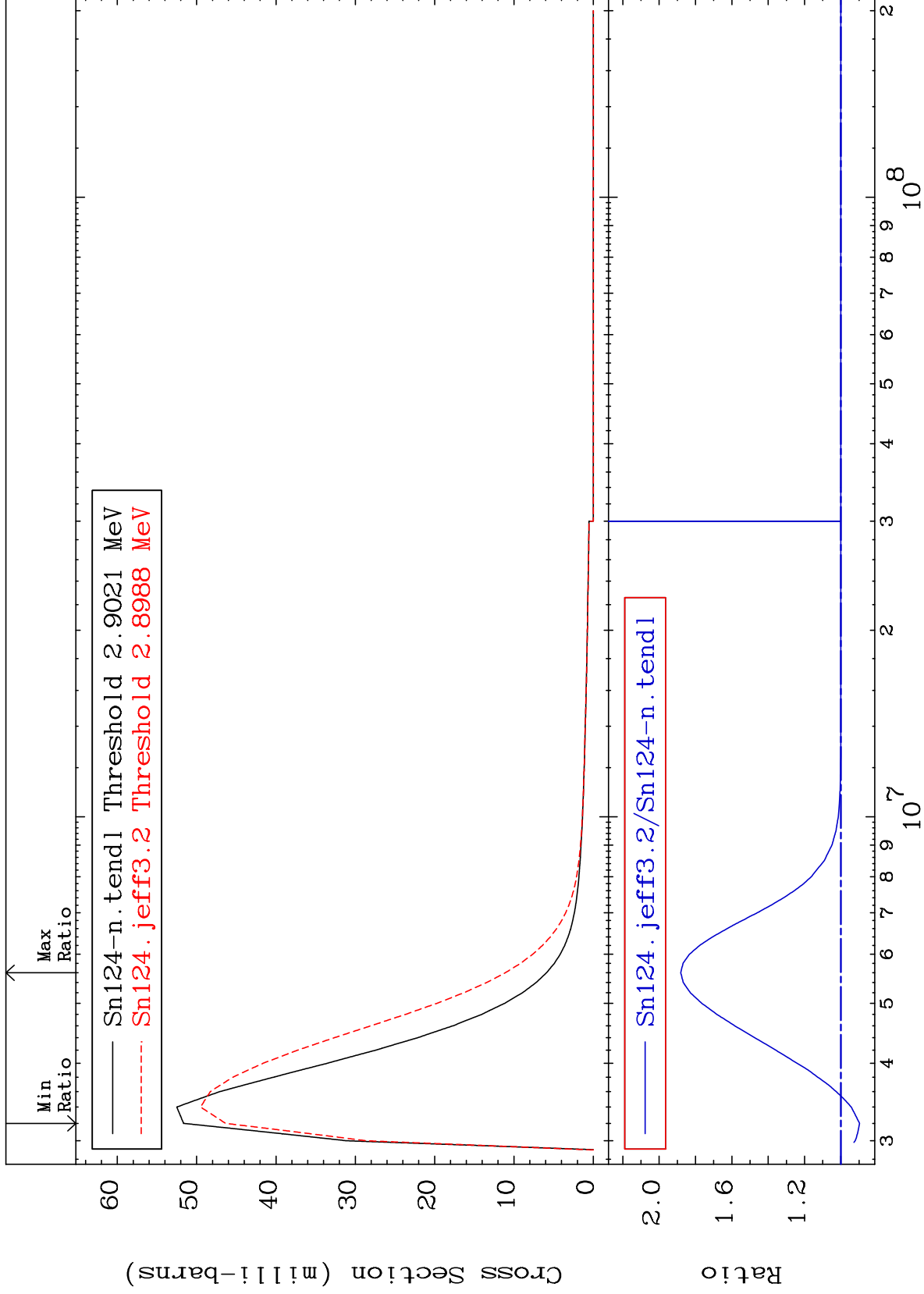
50-Sn-124



MAT 5061

2.879 MeV (n,n') Level  
Cross Section

50-Sn-124  
-10.25 To 88.10 %



41

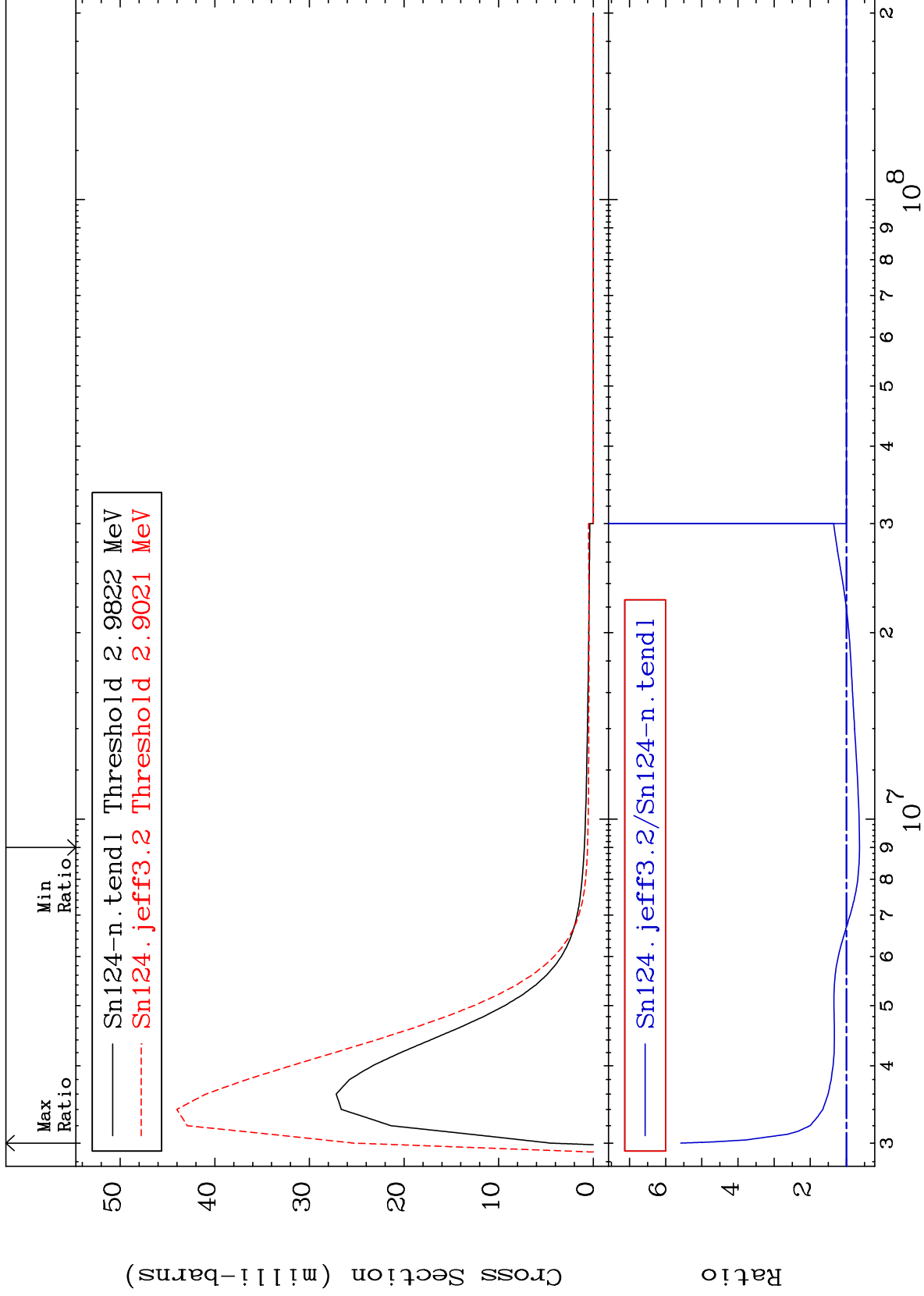
Incident Energy (eV)

50-Sn-124

MAT 5061

2.958 MeV (n,n') Level  
Cross Section

50-Sn-124  
-36.21 To 458.2 %



42

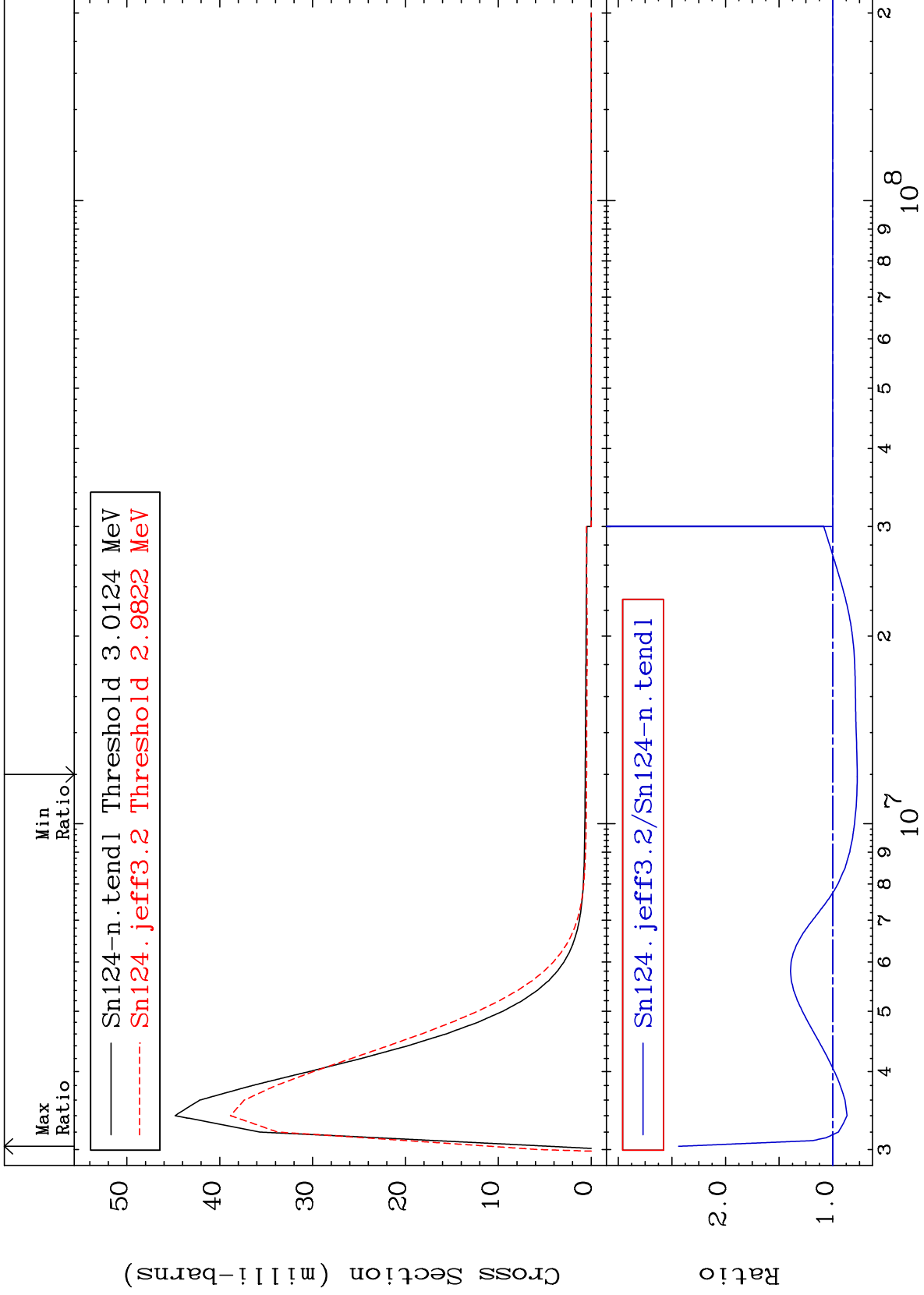
Incident Energy (eV)

50-Sn-124

MAT 5061

2.988 MeV (n,n') Level  
Cross Section

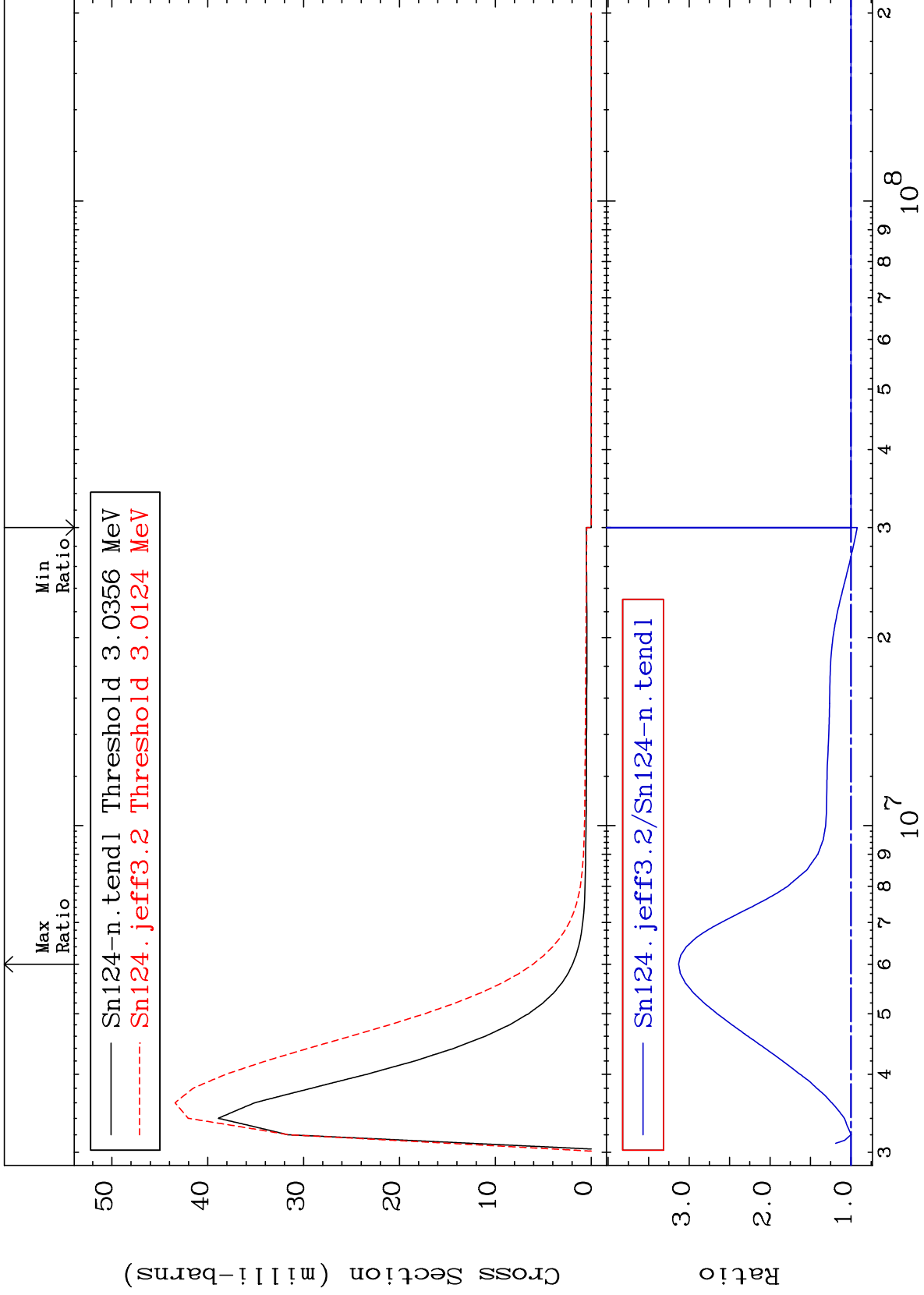
50-Sn-124  
-22.86 To 143.7 %



MAT 5061

3.011 MeV (n,n') Level  
Cross Section

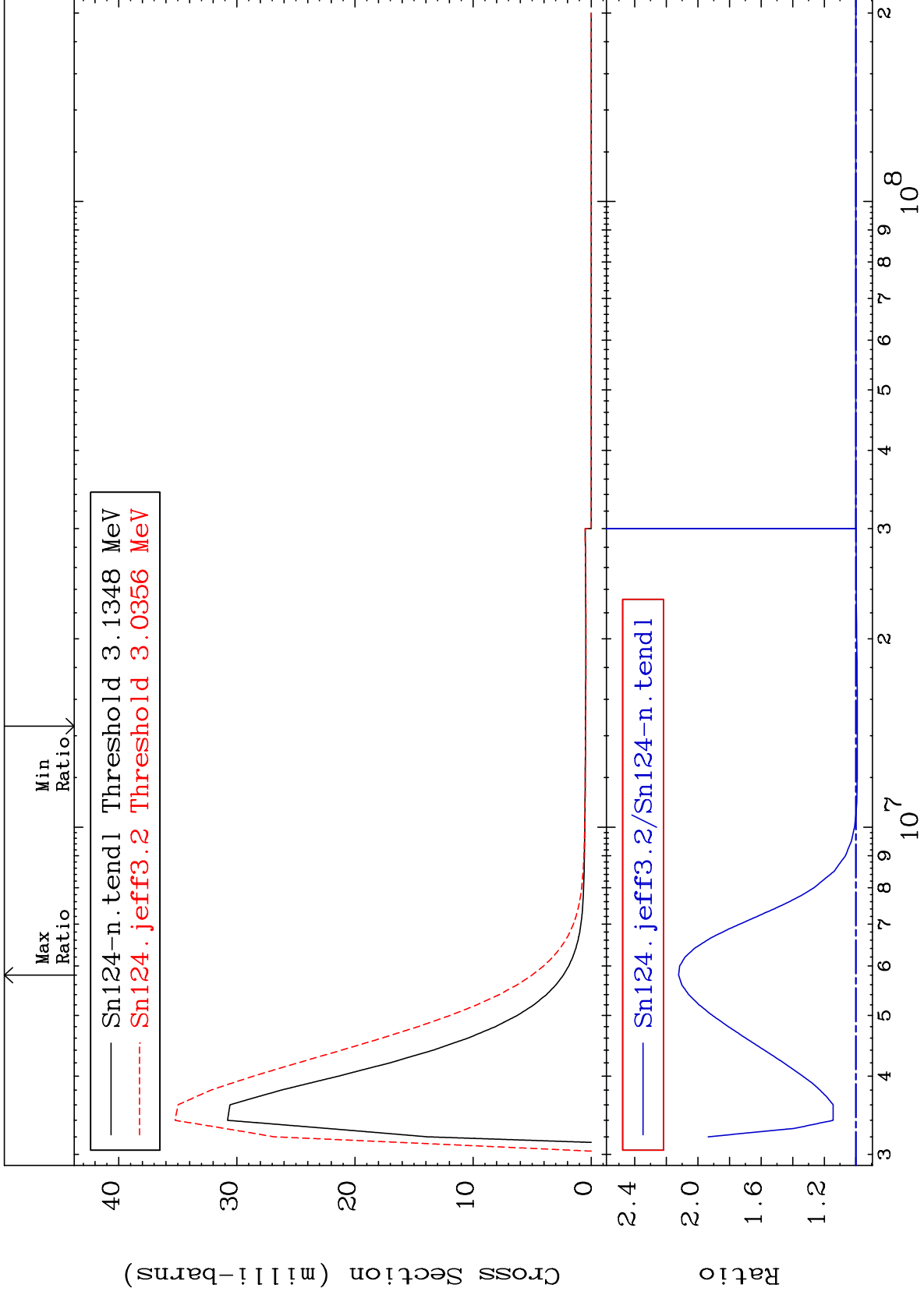
50-Sn-124  
-7.796 To 212.9 %



MAT 5061

3.109 MeV (n,n') Level  
Cross Section

50-Sn-124  
-0.868 To 112.2 %



45

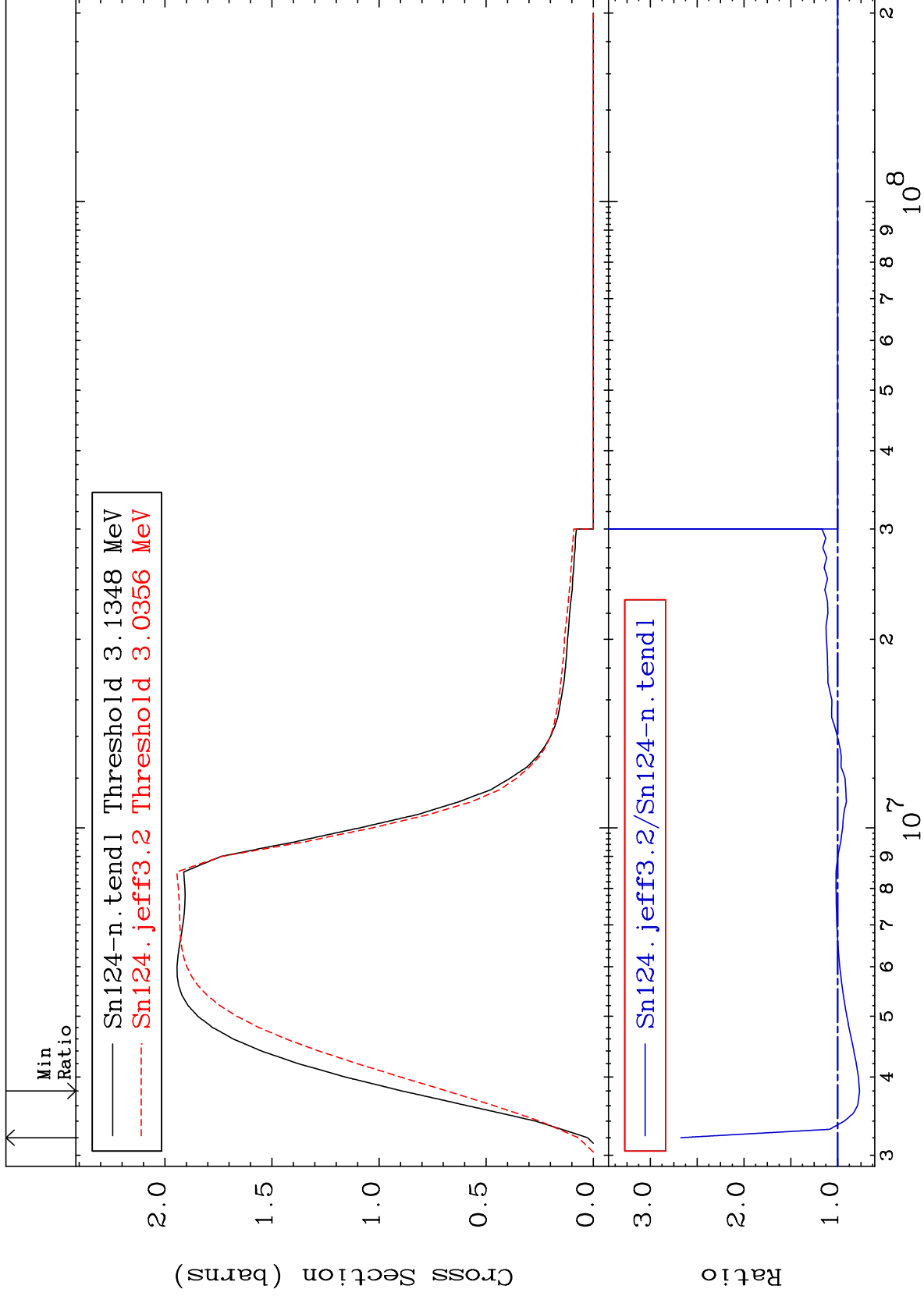
Incident Energy (eV)

50-Sn-124

MAT 5061

(n, n') Continuum  
Cross Section

50-Sn-124  
-23.43 To 167.5 %



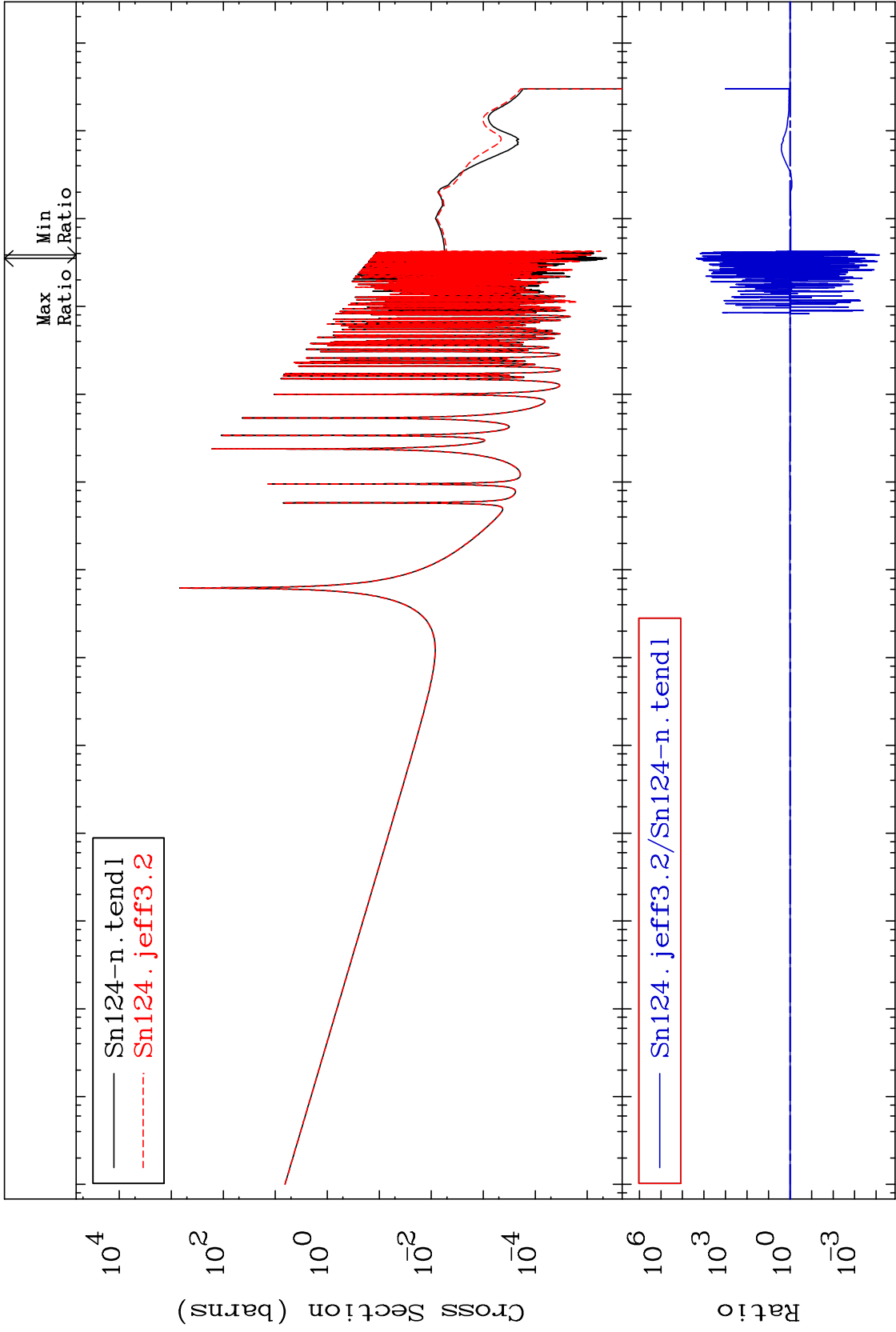
46

50-Sn-124

MAT 5061

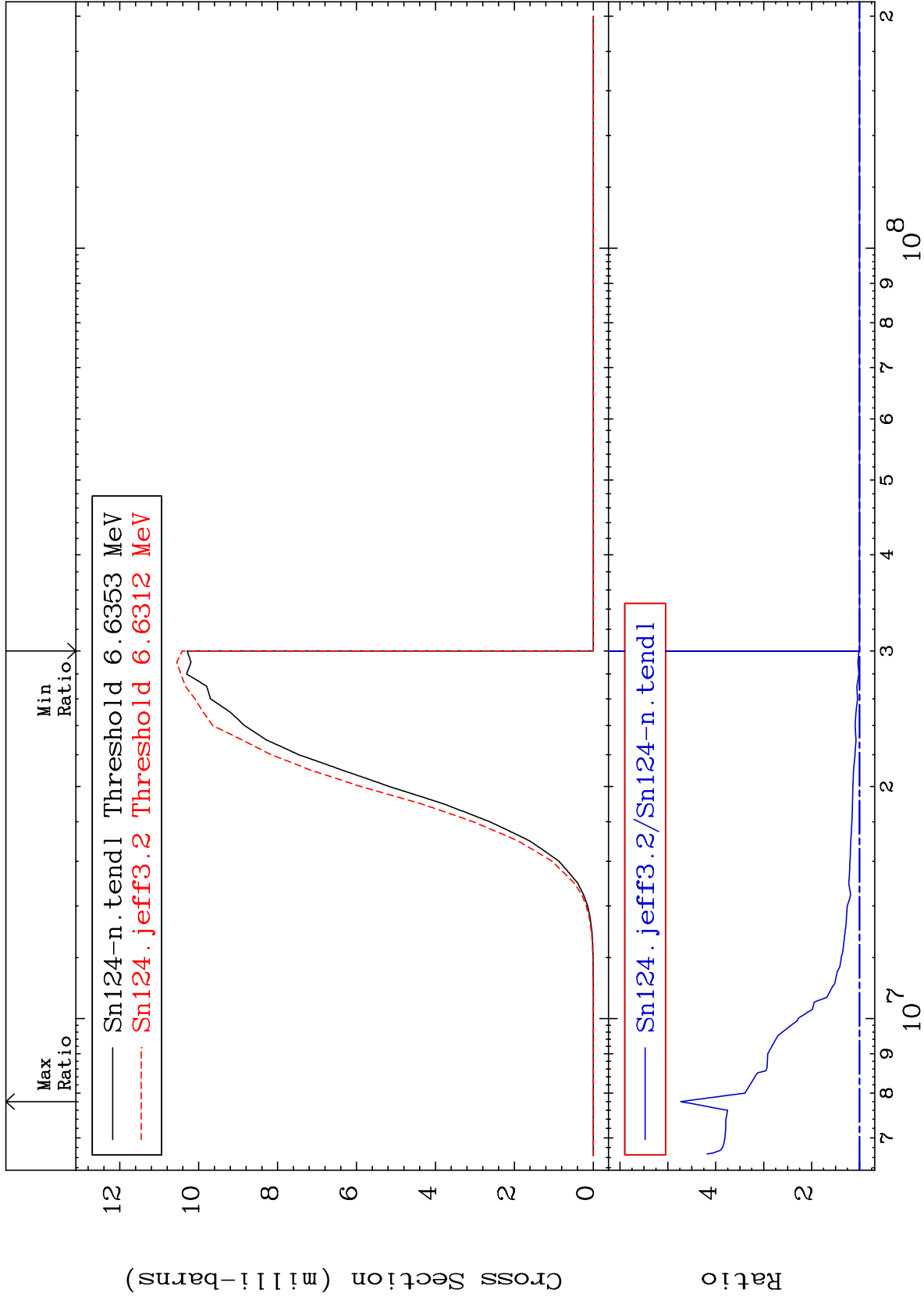
(n,  $\gamma$ )  
Cross Section

50-Sn-124  
-99.99 To 9999. %



MAT 5061

(n,p)  
Cross Section  
50-Sn-124  
To 373.1 %  
0.000



48

50-Sn-124



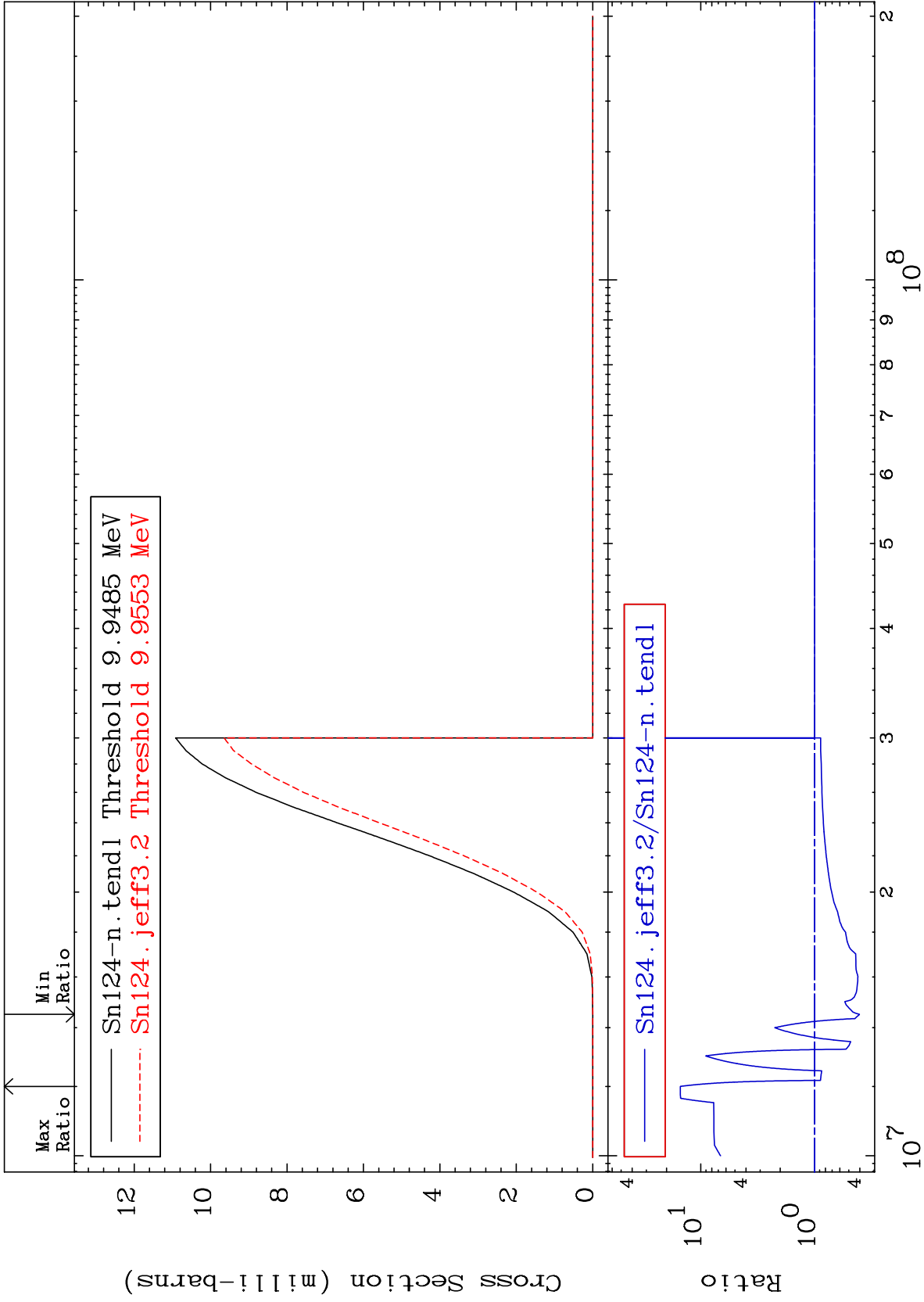
MAT 5061

(n, d)

50-Sn-124

Cross Section

-59.72 To 1409. %



49

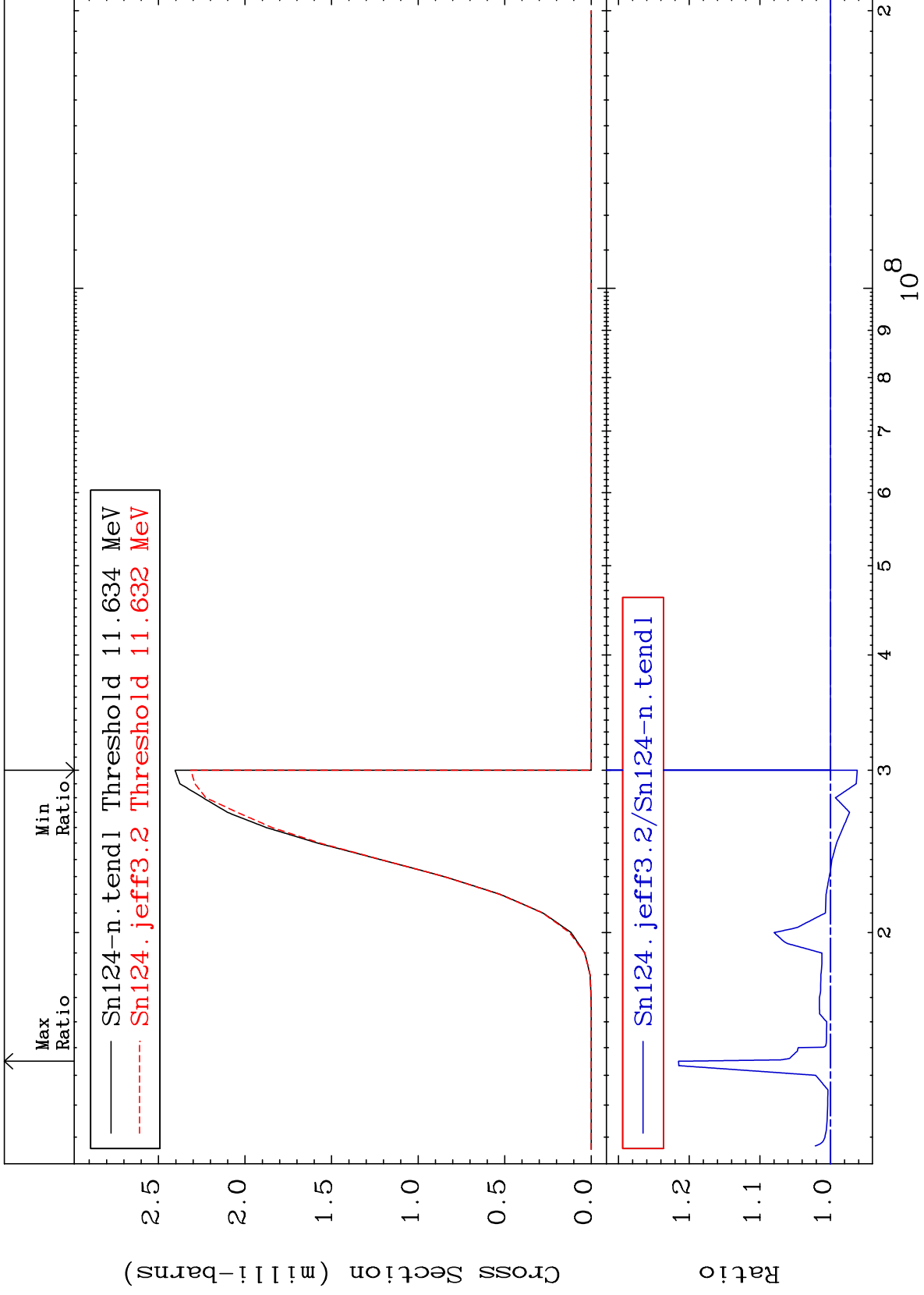
Incident Energy (eV)

50-Sn-124

MAT 5061

(n, t)  
Cross Section

50-Sn-124  
-3.794 To 21.50 %



50

Incident Energy (eV)

50-Sn-124

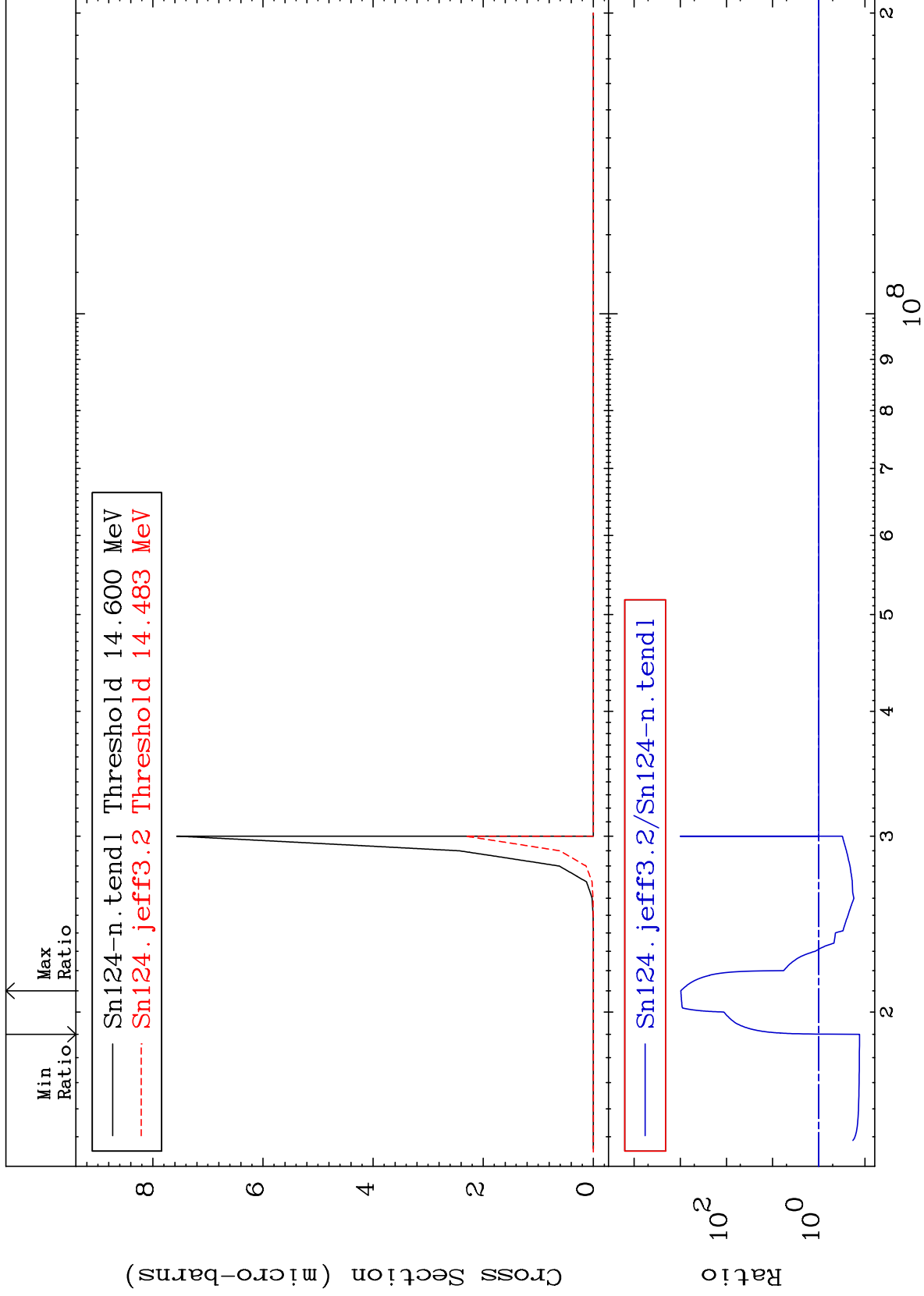
MAT 5061

(n, He-3)

50-Sn-124

Cross Section

-86.96 To 9999. %



51

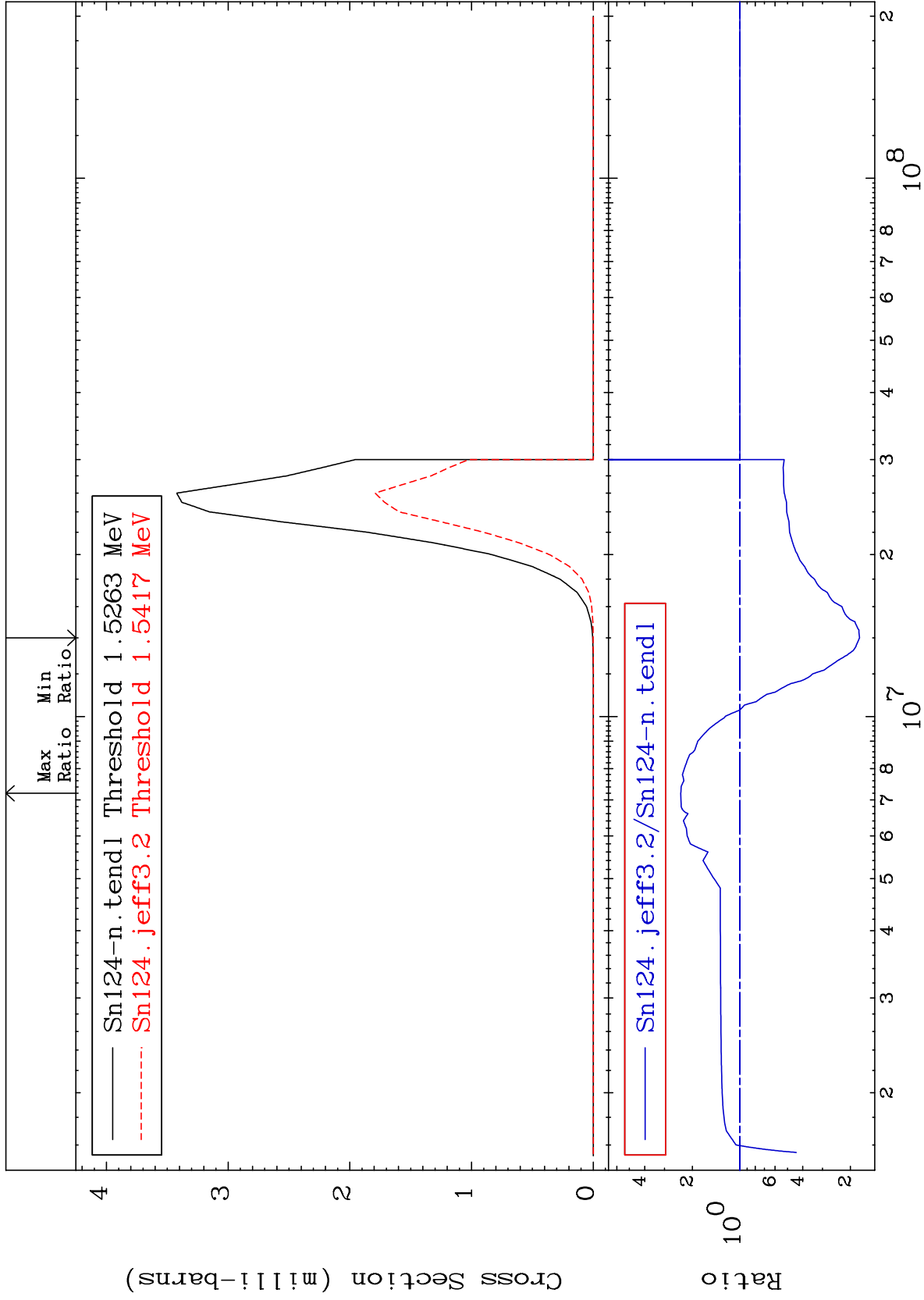
Incident Energy (eV)

50-Sn-124

MAT 5061

50-Sn-124

(n,  $\alpha$ )  
Cross Section  
-82.51 To 136.6 %



52

50-Sn-124

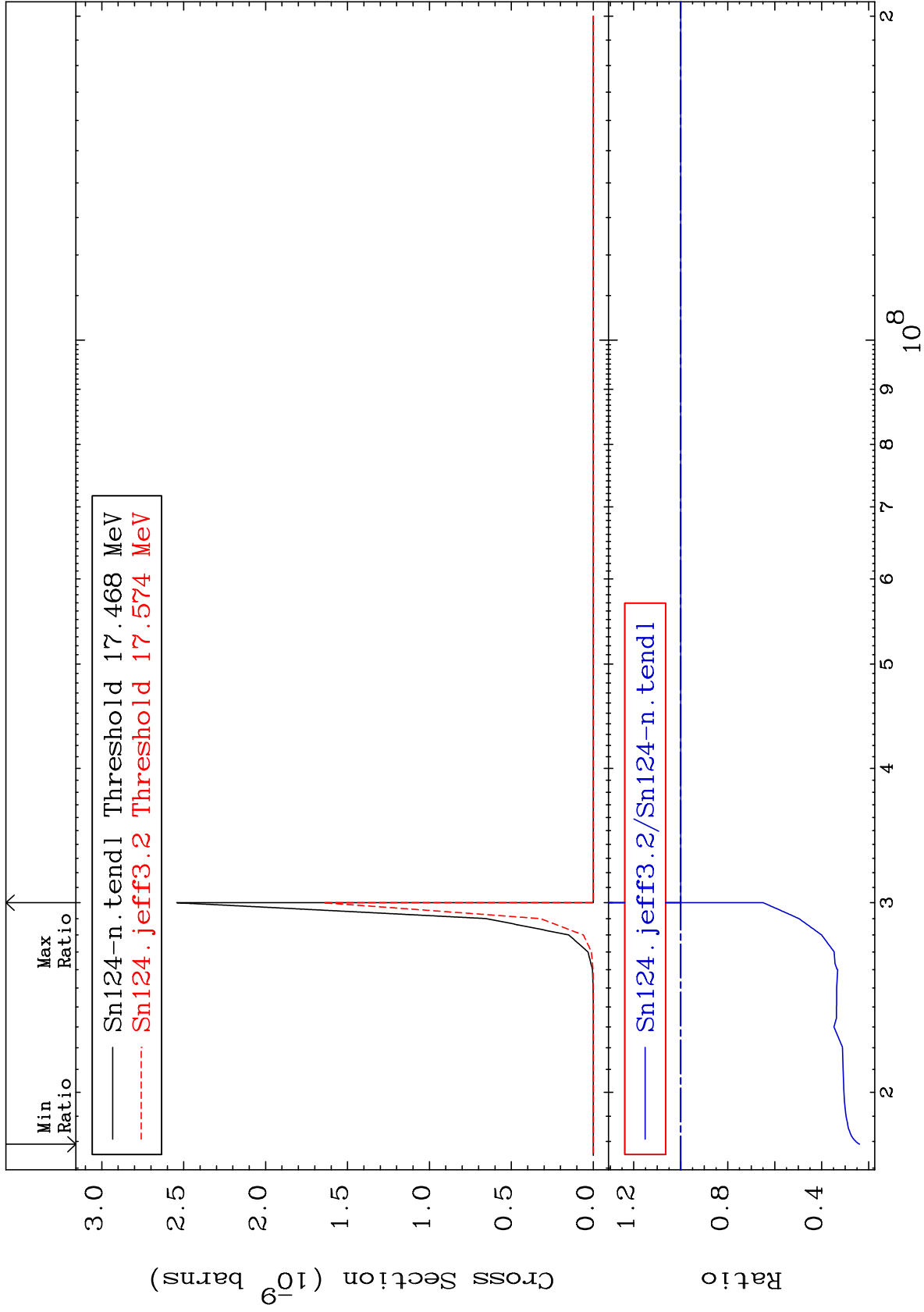
MAT 5061

(n,2p)

50-Sn-124

Cross Section

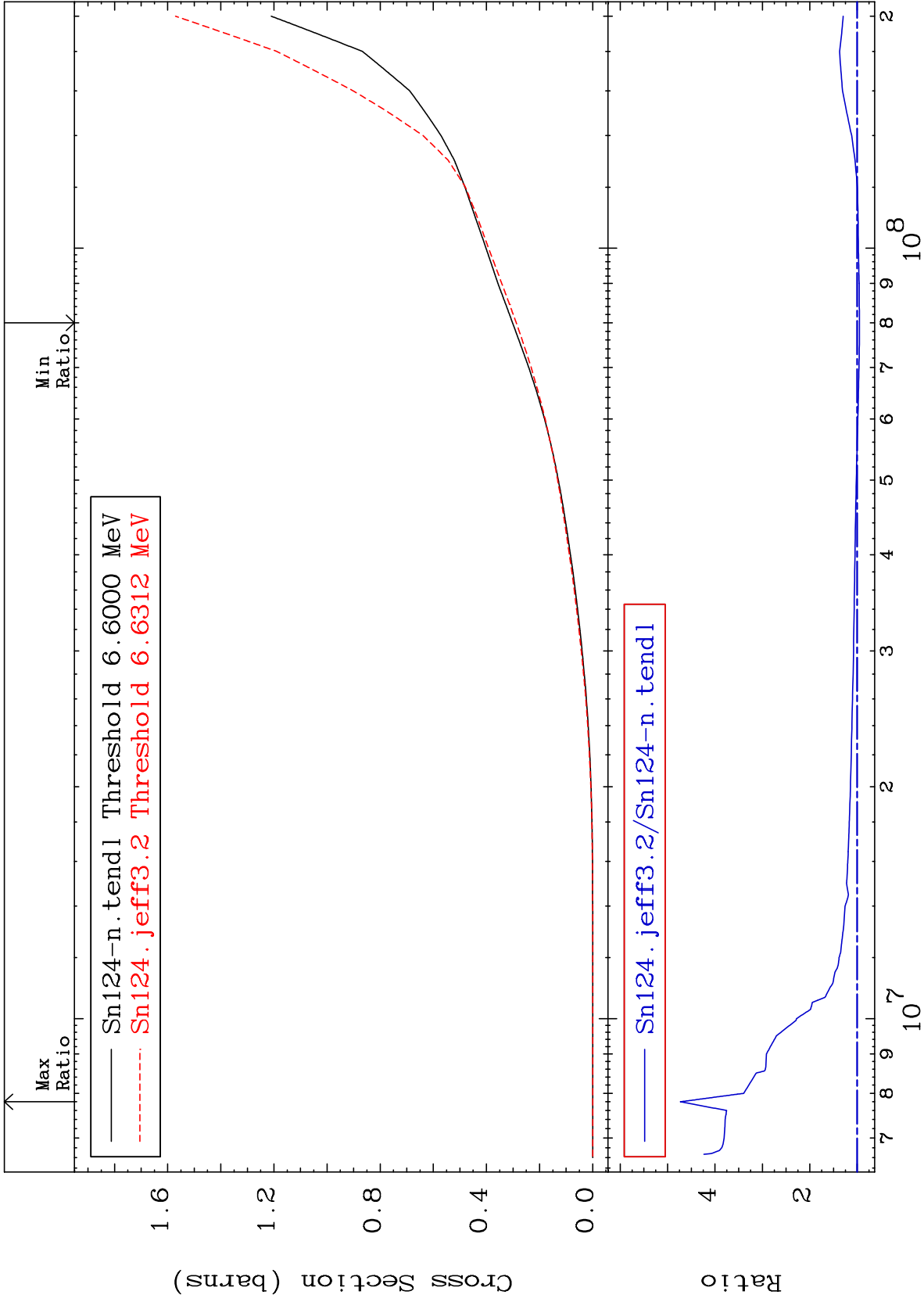
-76.09 To 0.000 %



MAT 5061

Hydrogen Production  
Cross Section

50-Sn-124  
-4.653 To 373.1 %



54

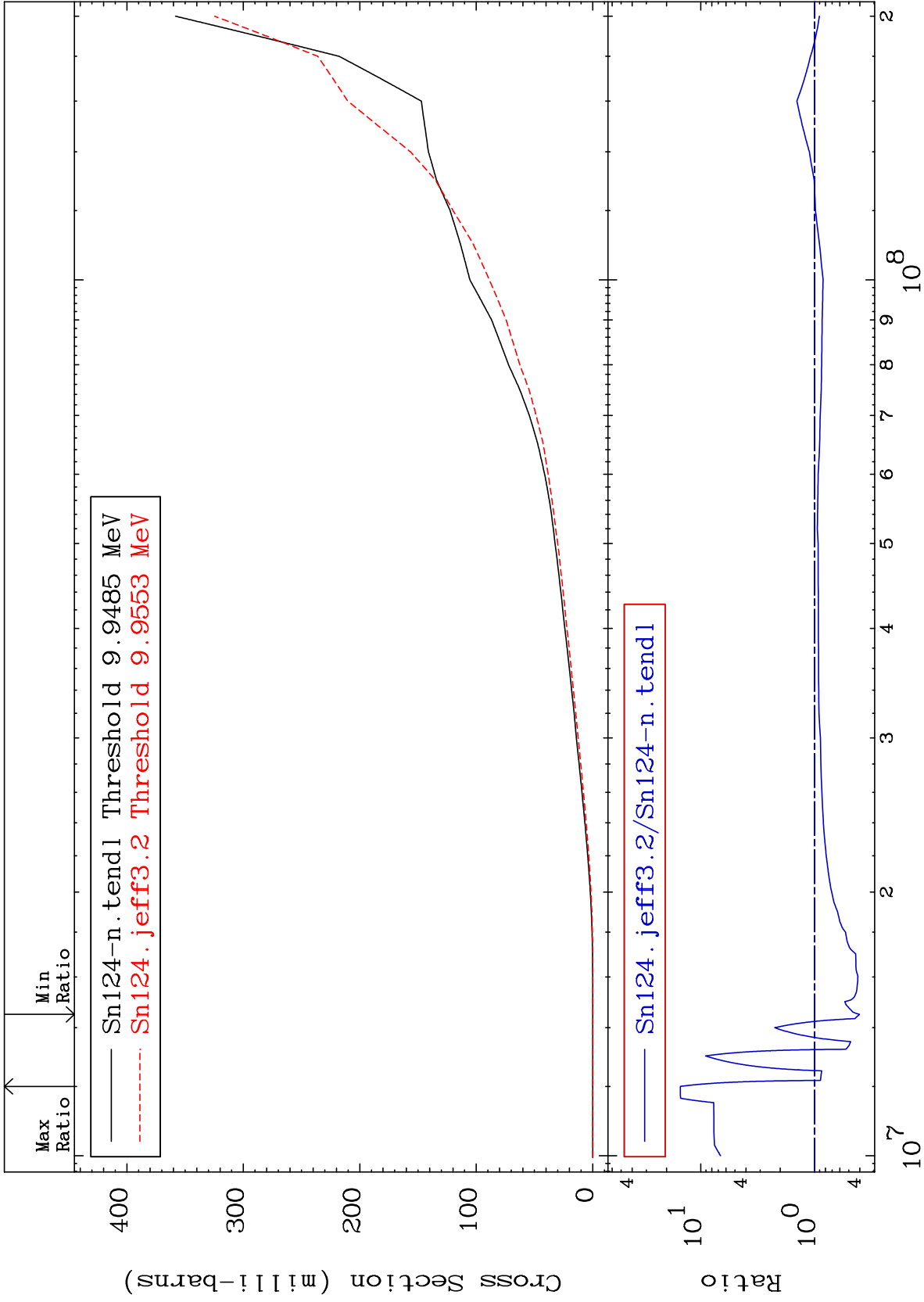
Incident Energy (eV)

50-Sn-124

MAT 5061

Deuterium Production  
Cross Section

50-Sn-124  
-59.72 To 1409. %



55

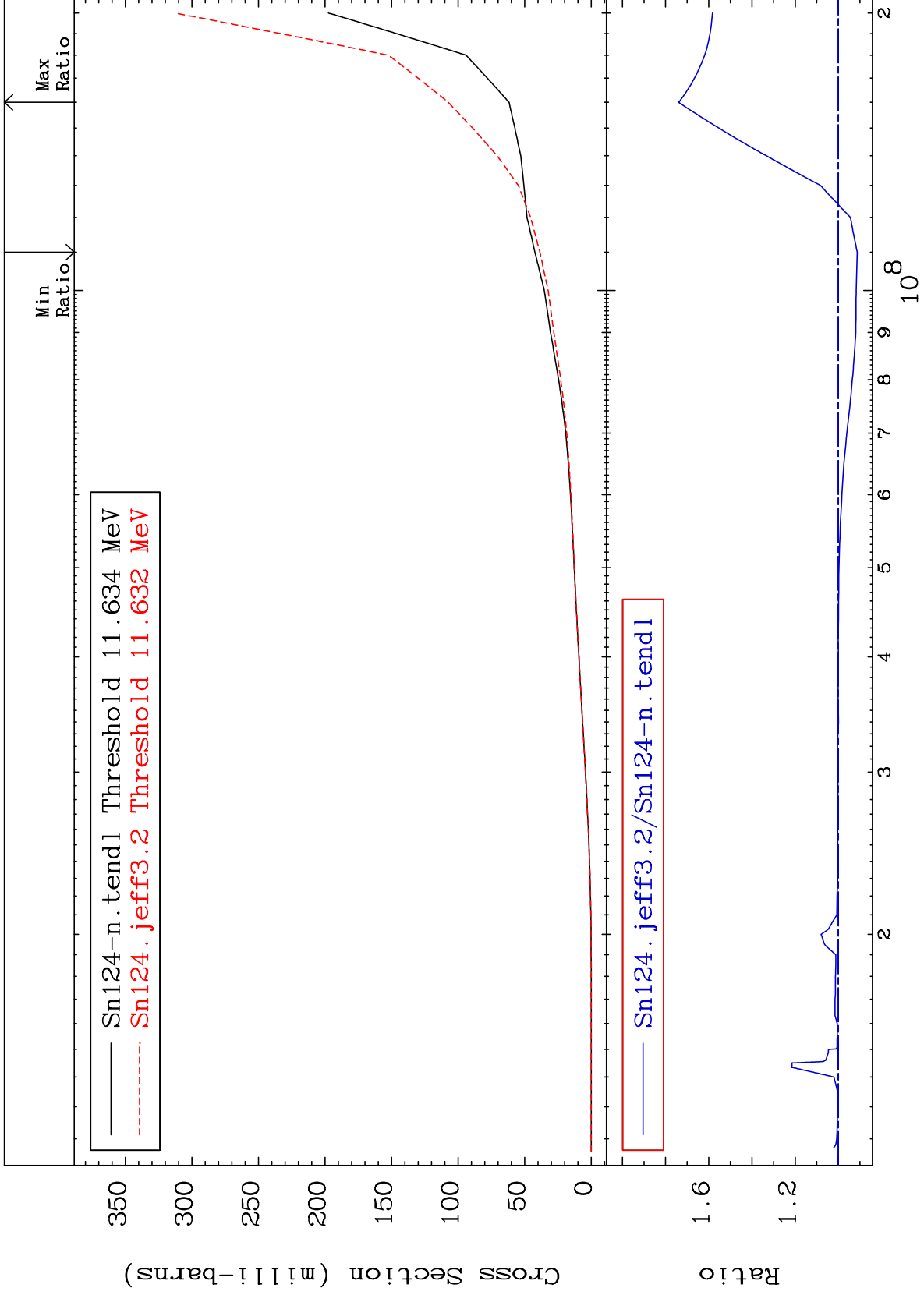
Incident Energy (eV)

50-Sn-124

MAT 5061

Tritium Production  
Cross Section

50-Sn-124  
-8.732 To 73.96 %

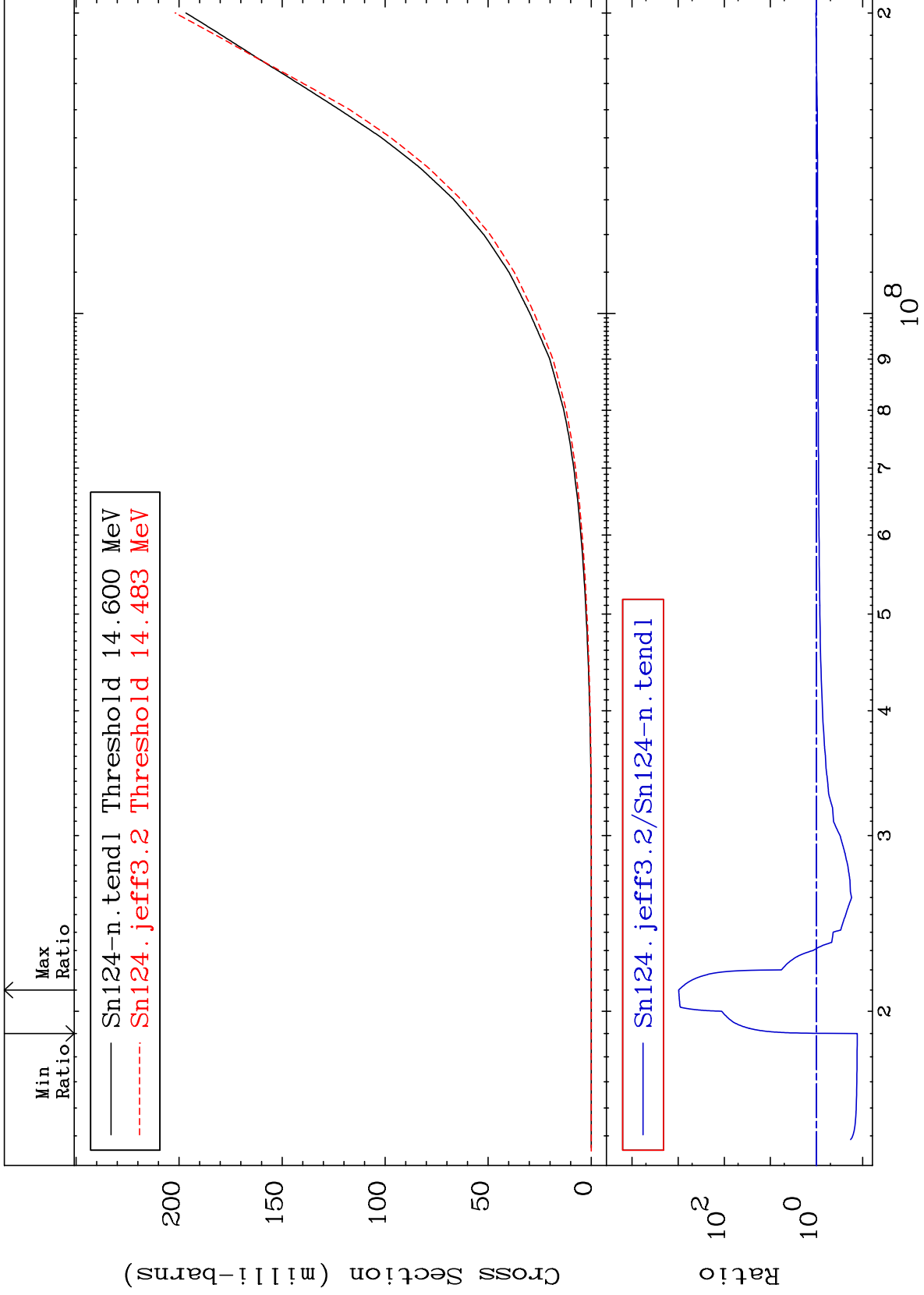




MAT 5061

He-3 Production  
Cross Section

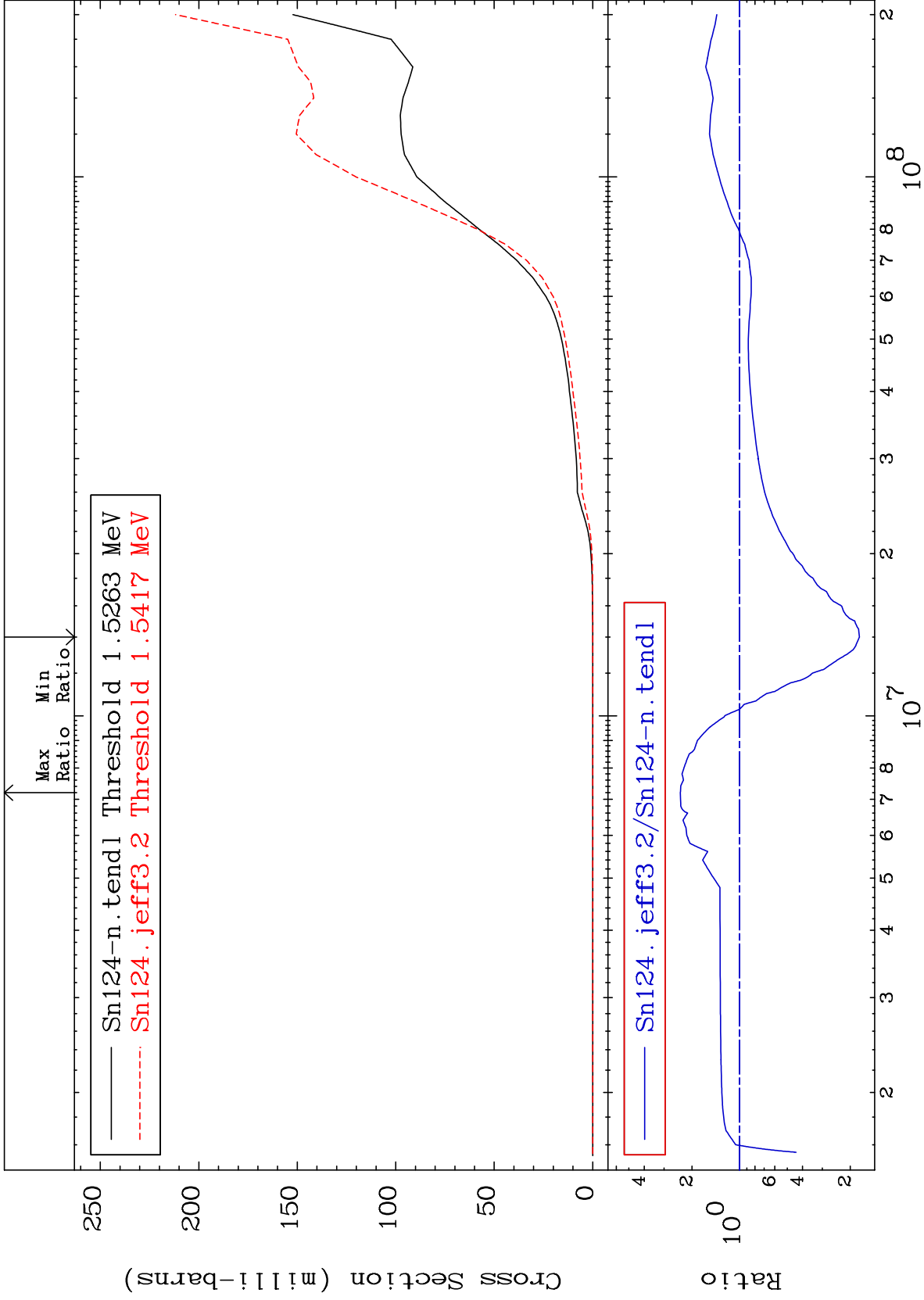
50-Sn-124  
-86.96 To 9999. %

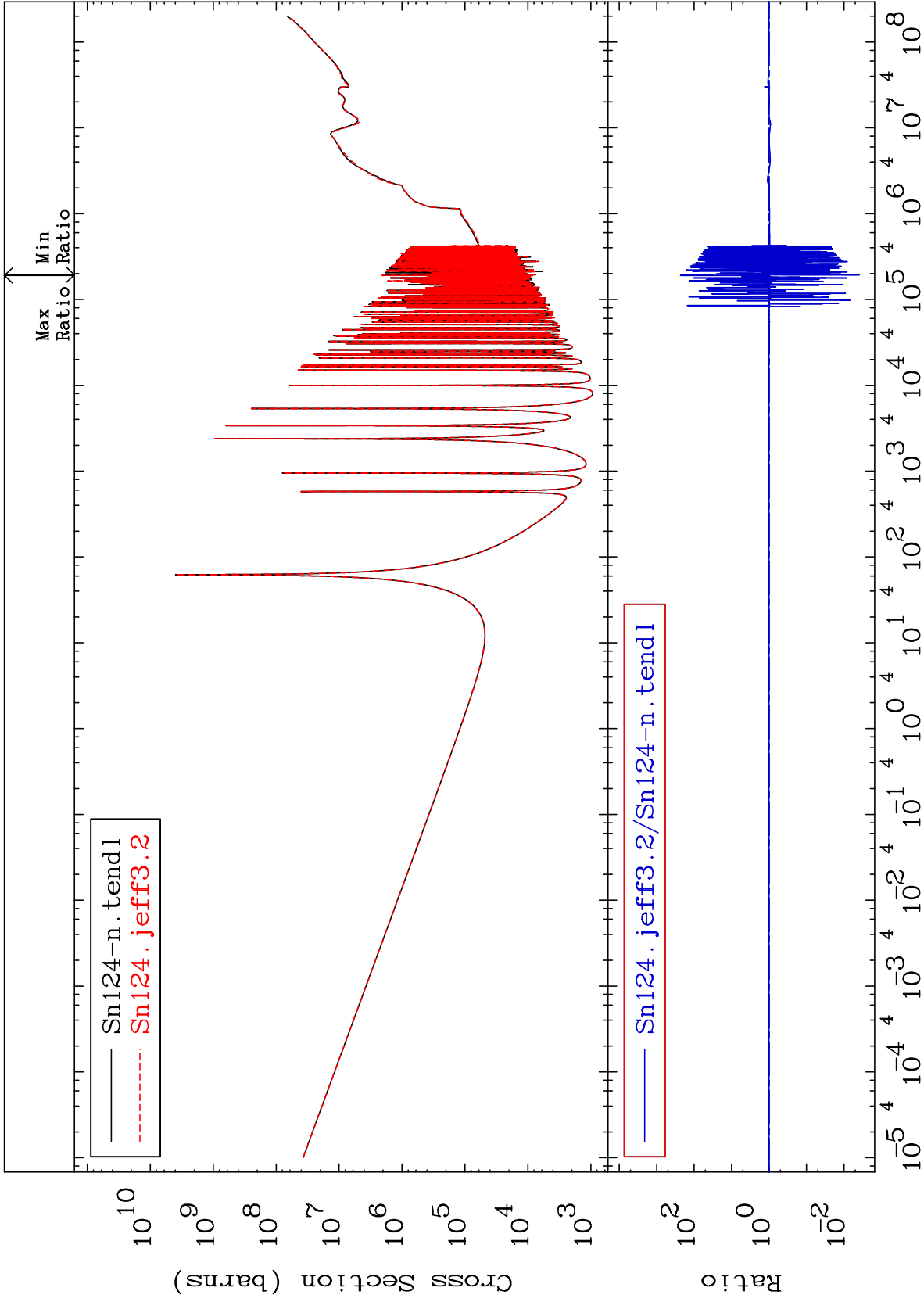


MAT 5061

He-4 Production  
Cross Section

50-Sn-124  
-82.50 To 136.6 %

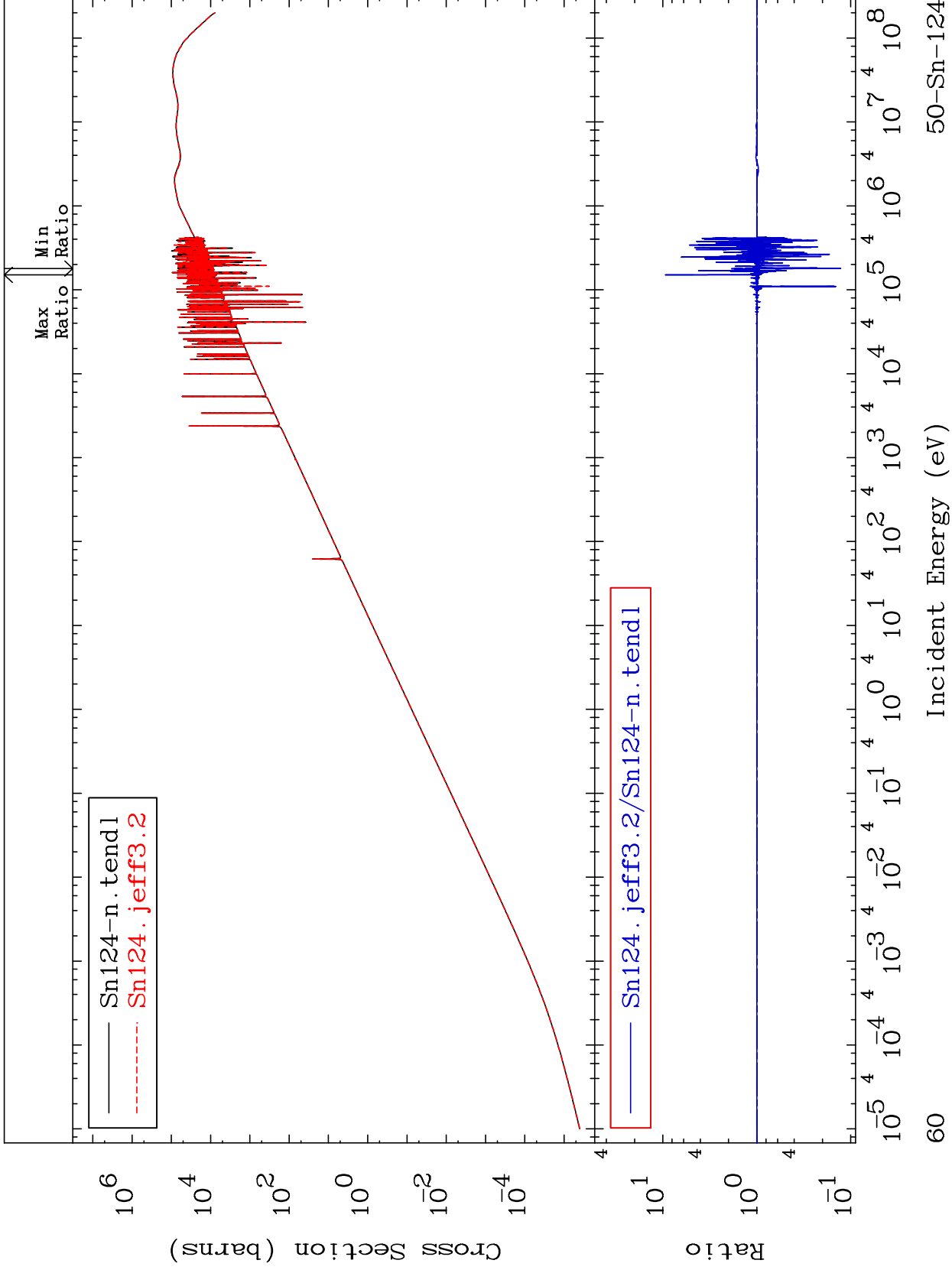




MAT 5061

Kerma elastic  
Cross Section

50-Sn-124  
-87.19 To 837.3 %



60

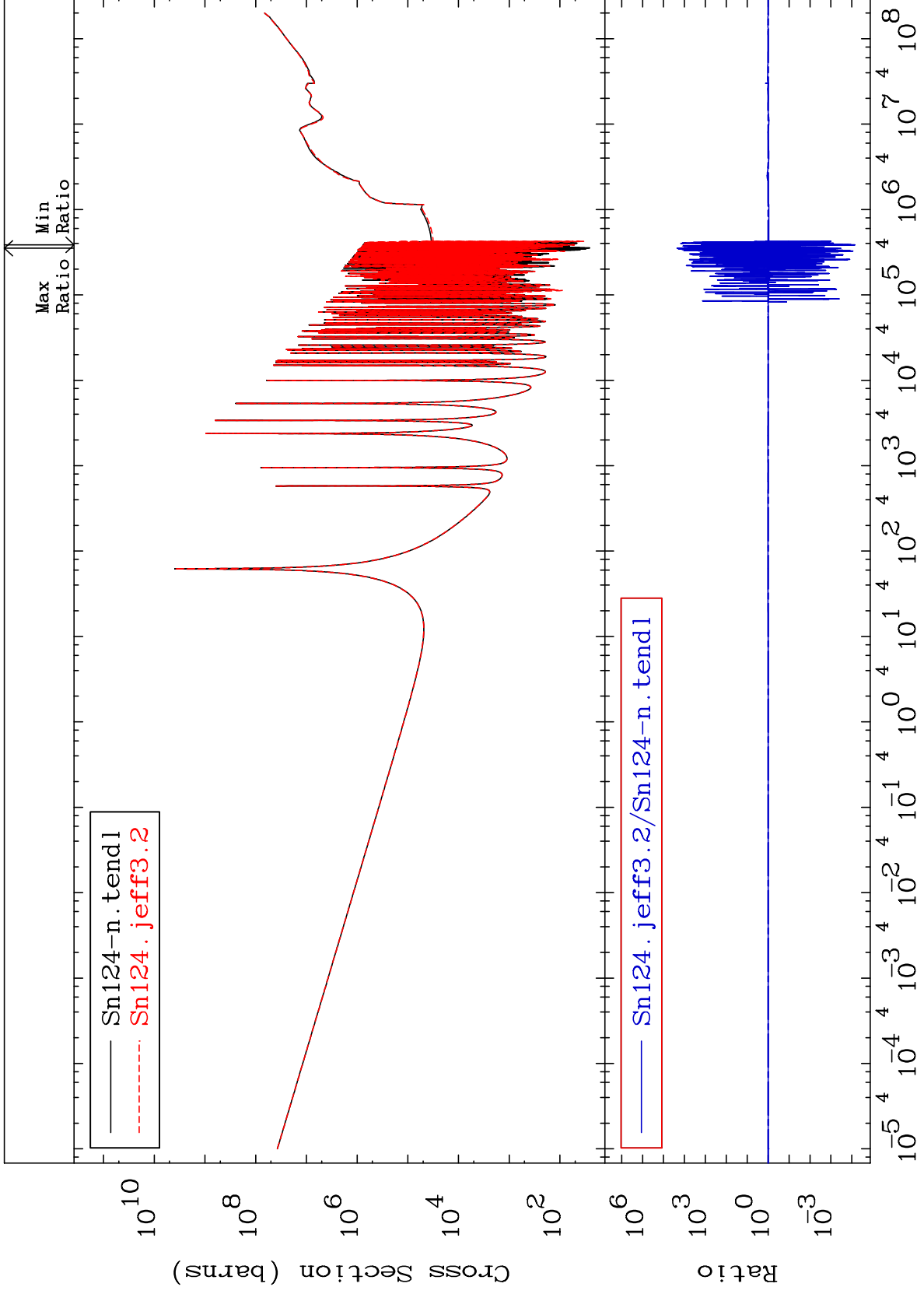
Incident Energy (eV)

50-Sn-124

MAT 5061

Kerma non-elastic (all but mt2)  
Cross Section

50-Sn-124  
-99.99 To 9999. %



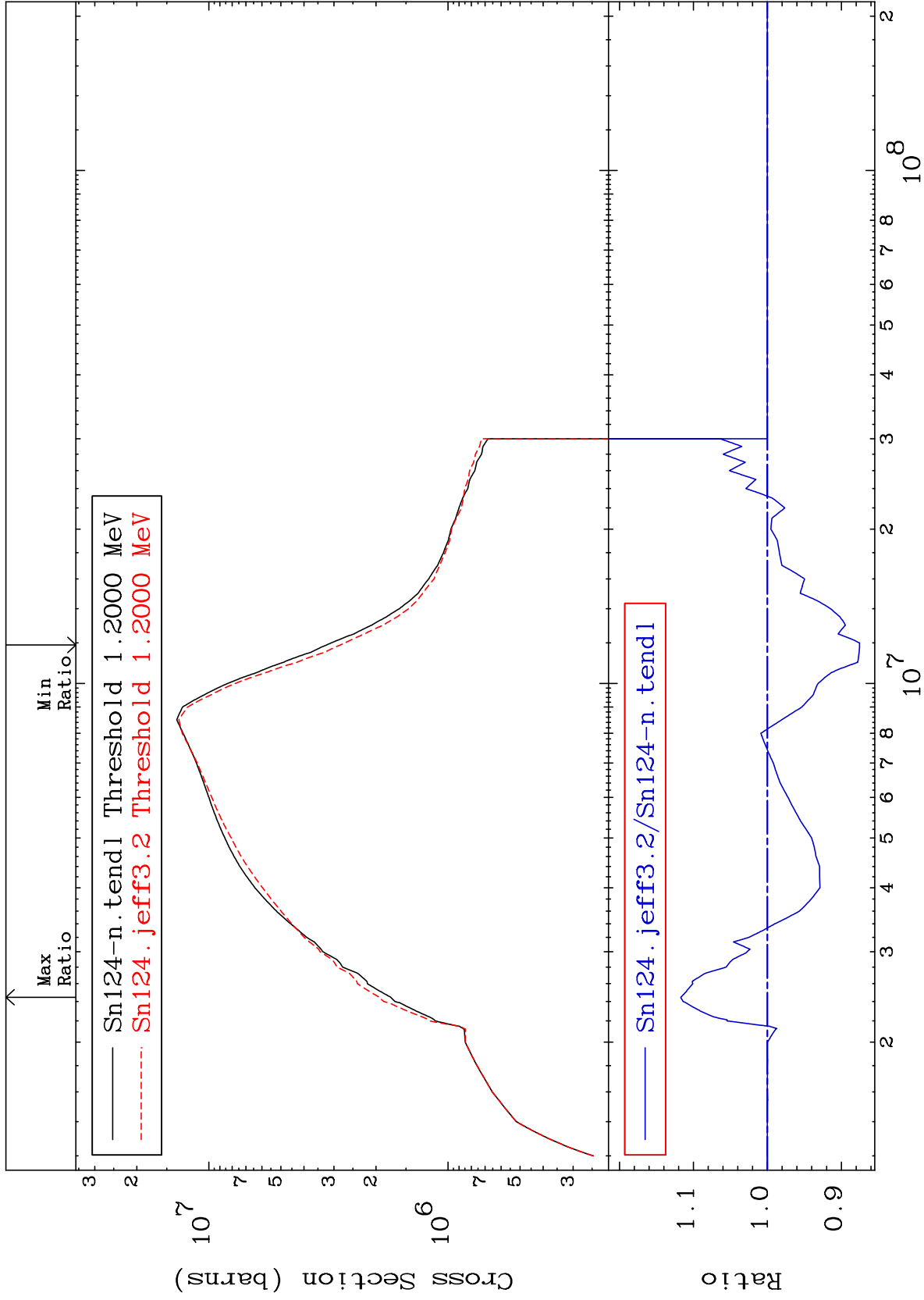
MAT 5061

Kerma inelastic (mt51-91)

50-Sn-124

Cross Section

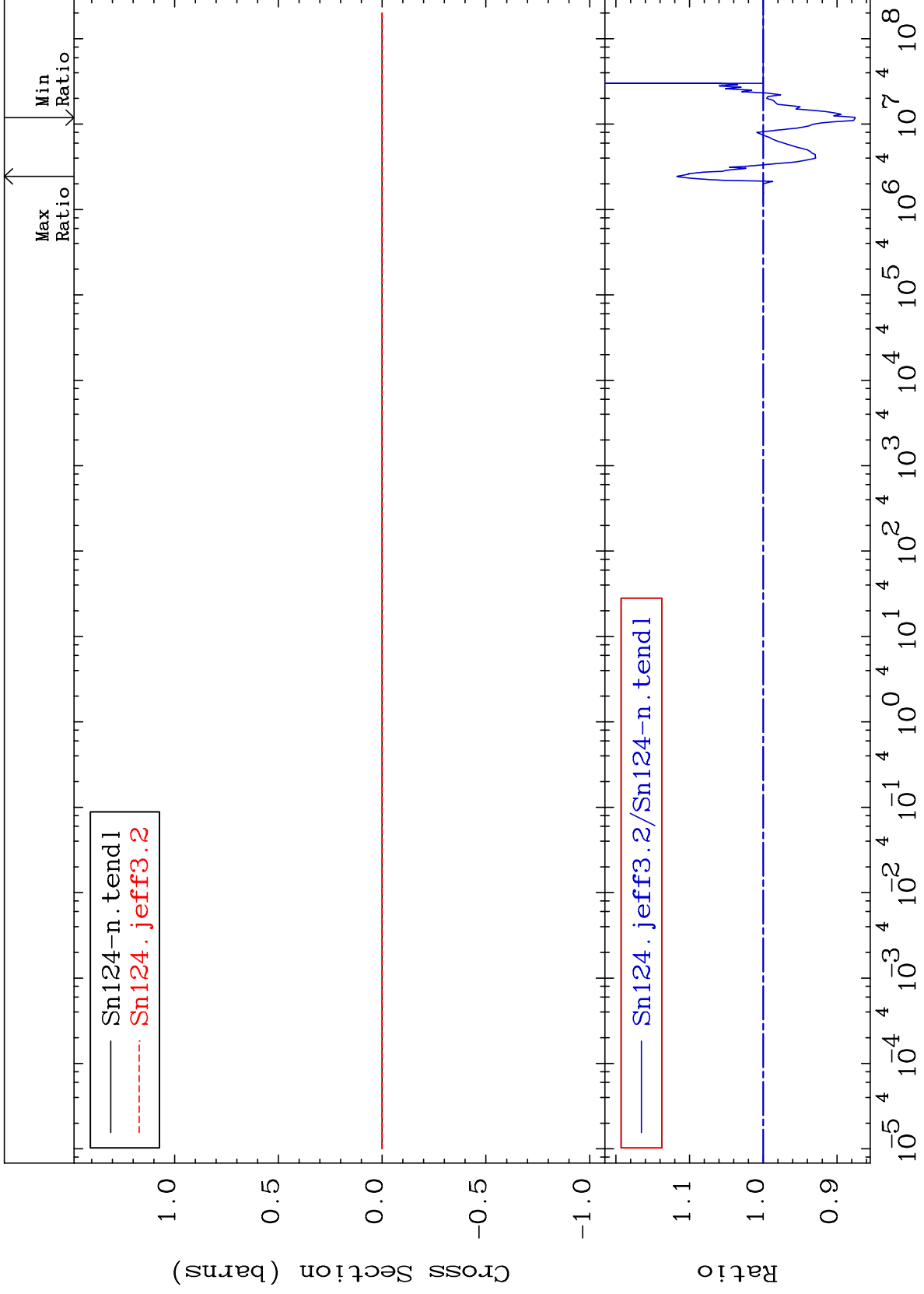
-12.46 To 11.71 %



MAT 5061

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

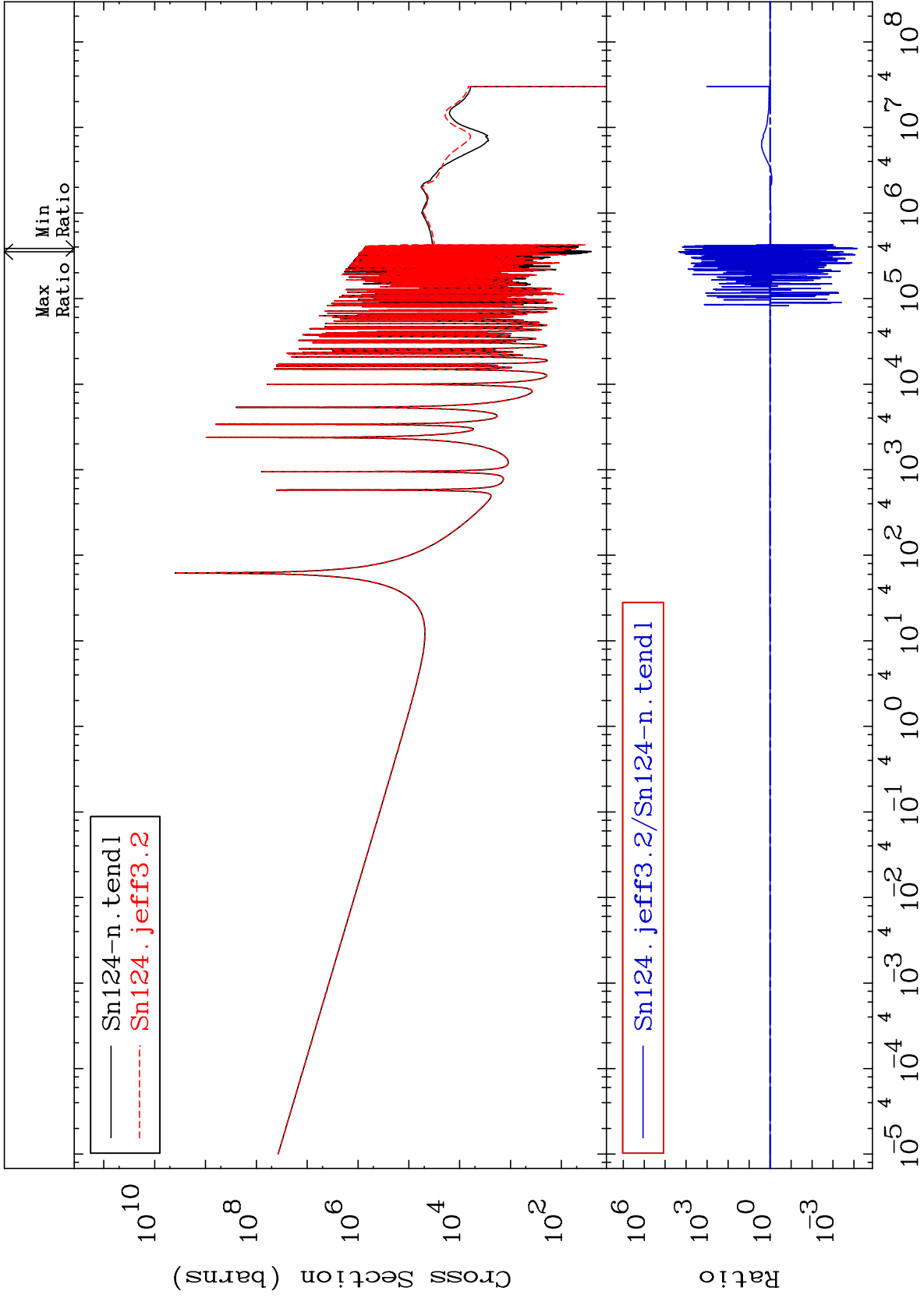
50-Sn-124  
-12.46 To 11.71 %



MAT 5061

Kerma capture (mt102)  
Cross Section

50-Sn-124  
-99.99 To 9999. %



64

Incident Energy (eV)

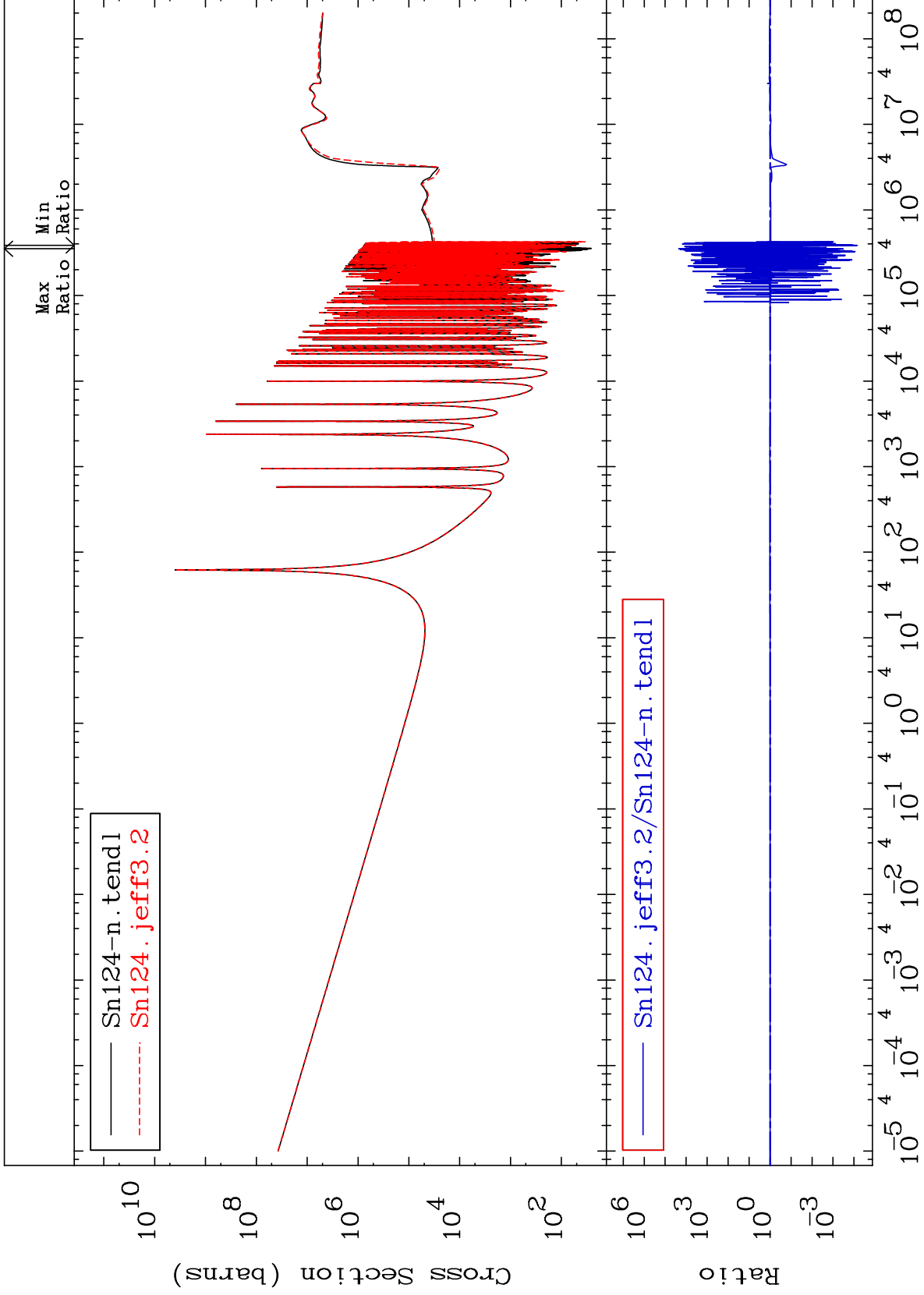
50-Sn-124



MAT 5061

Total photon (eV-barns)  
Cross Section

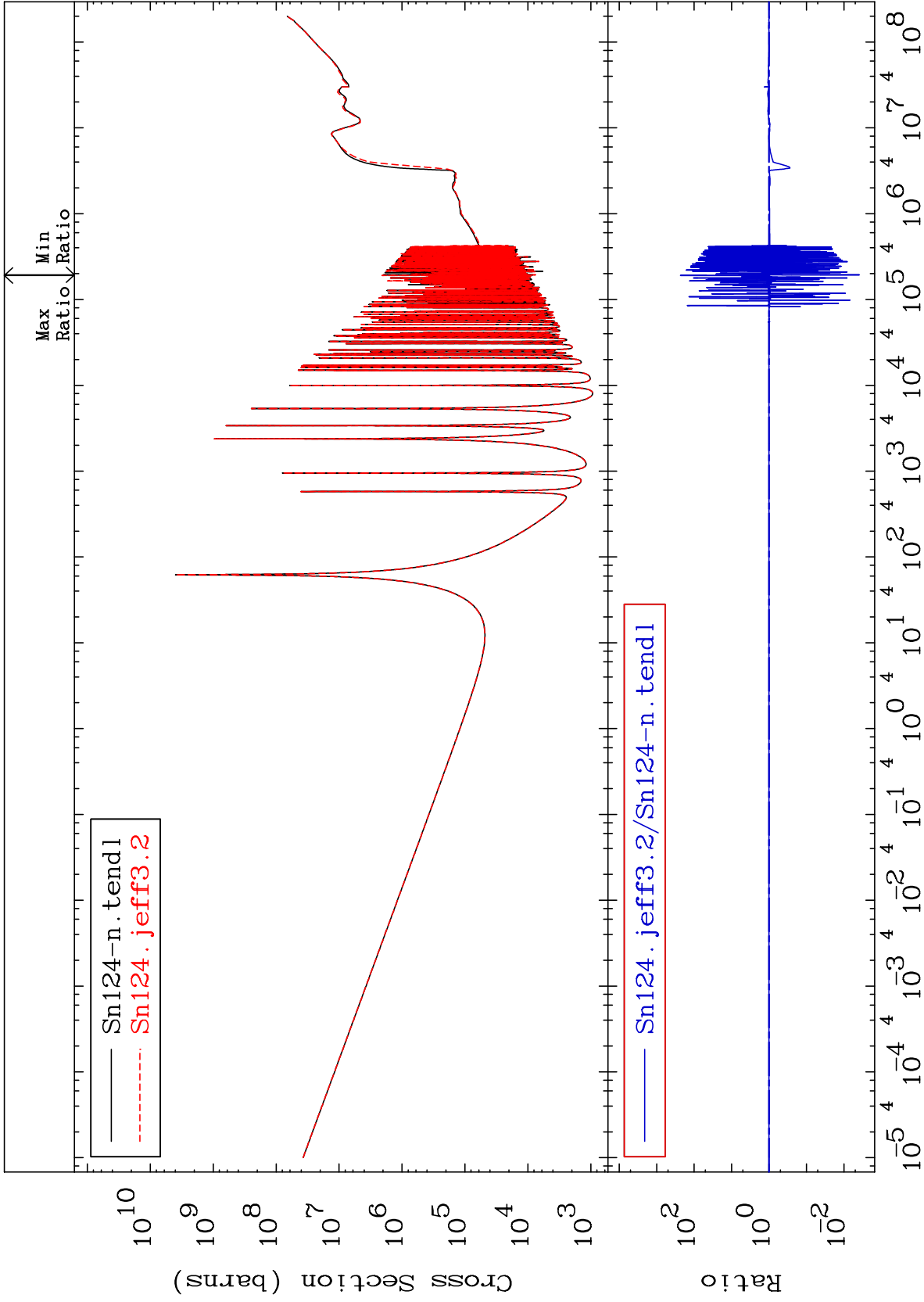
50-Sn-124  
-99.99 To 9999. %



65

Incident Energy (eV)

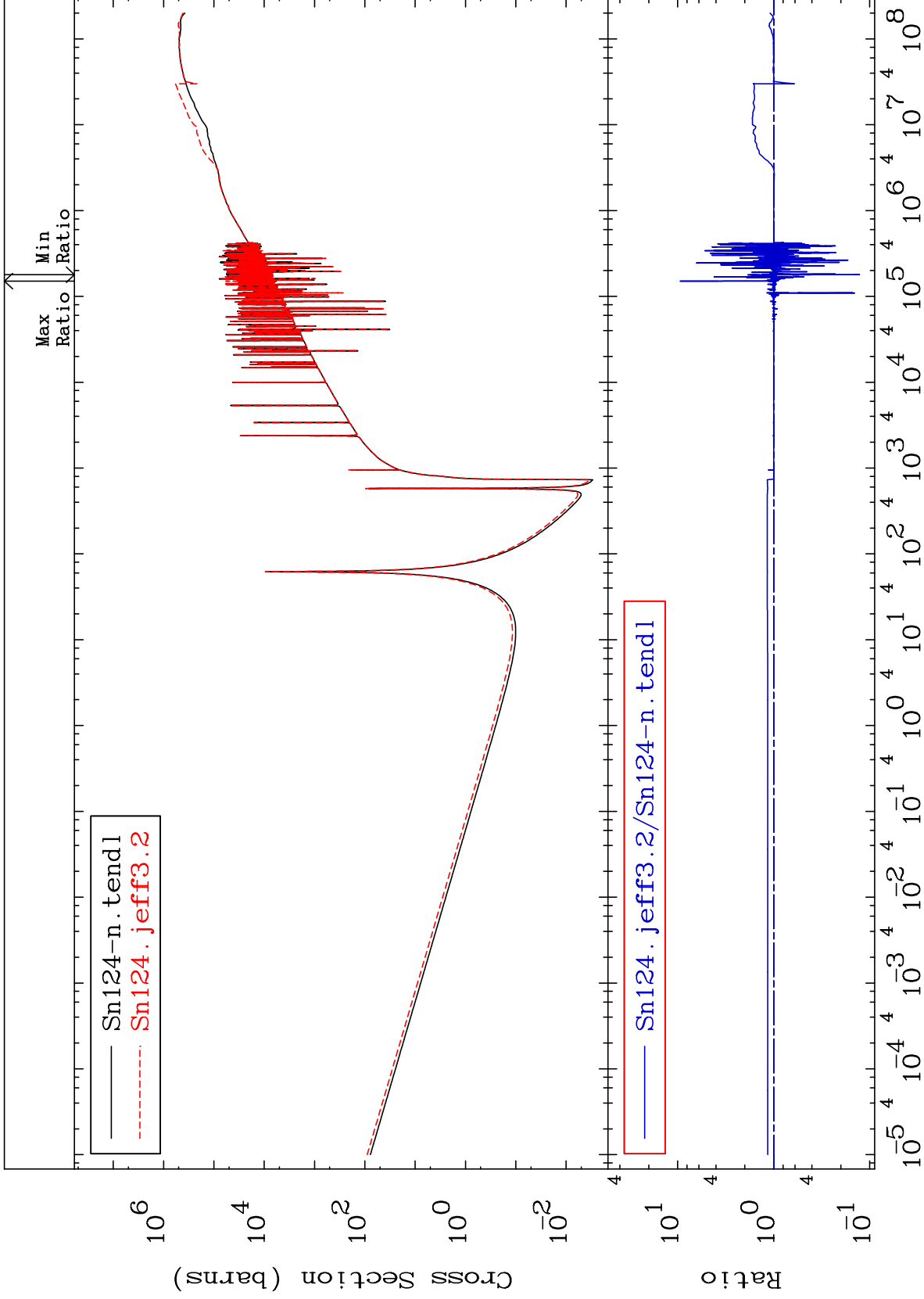
50-Sn-124



MAT 5061

Dpa total (eV-barns)  
Cross Section

50-Sn-124  
-87.19 To 837.3 %



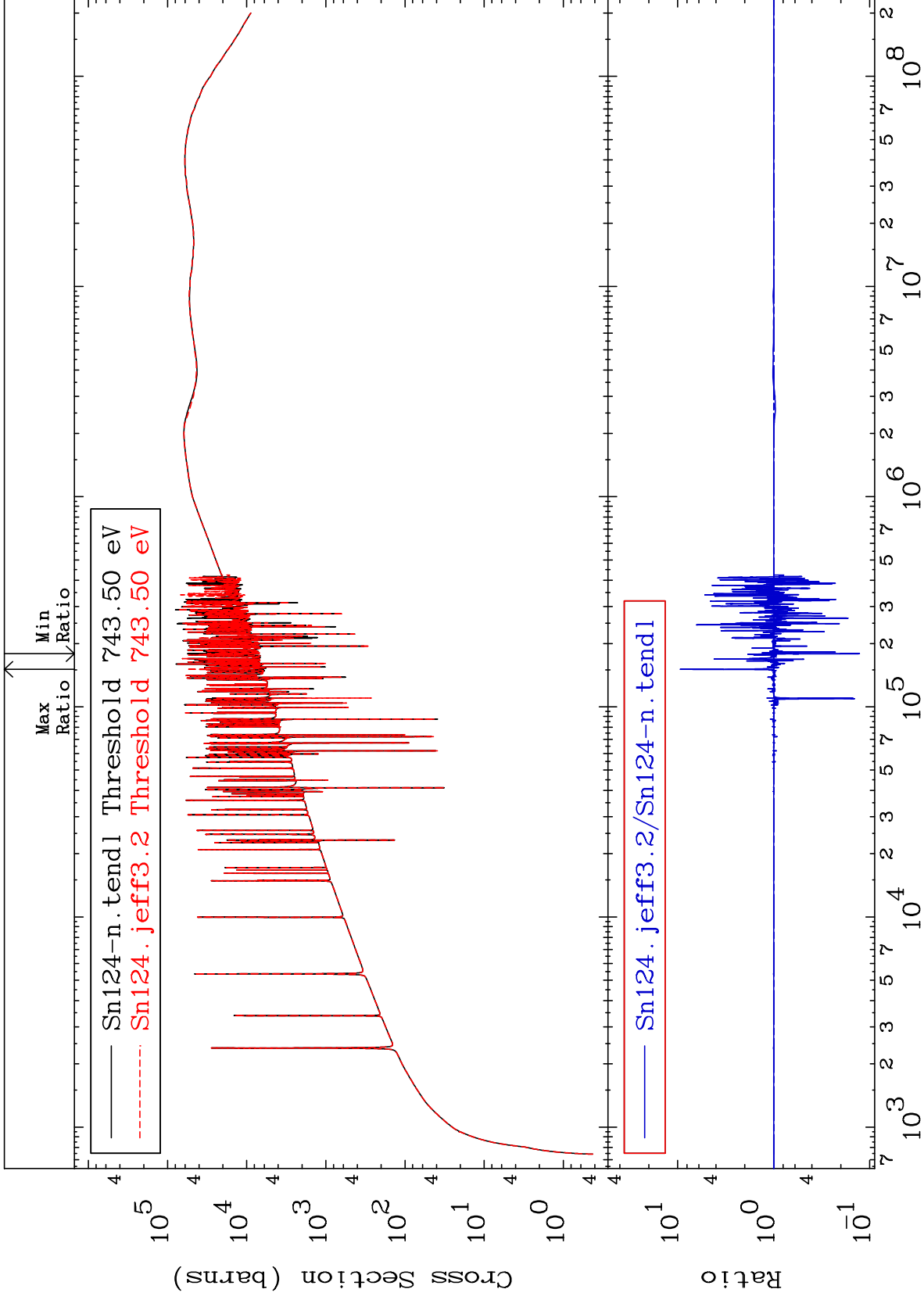
67

50-Sn-124

MAT 5061

Dpa elastic (mt2)  
Cross Section

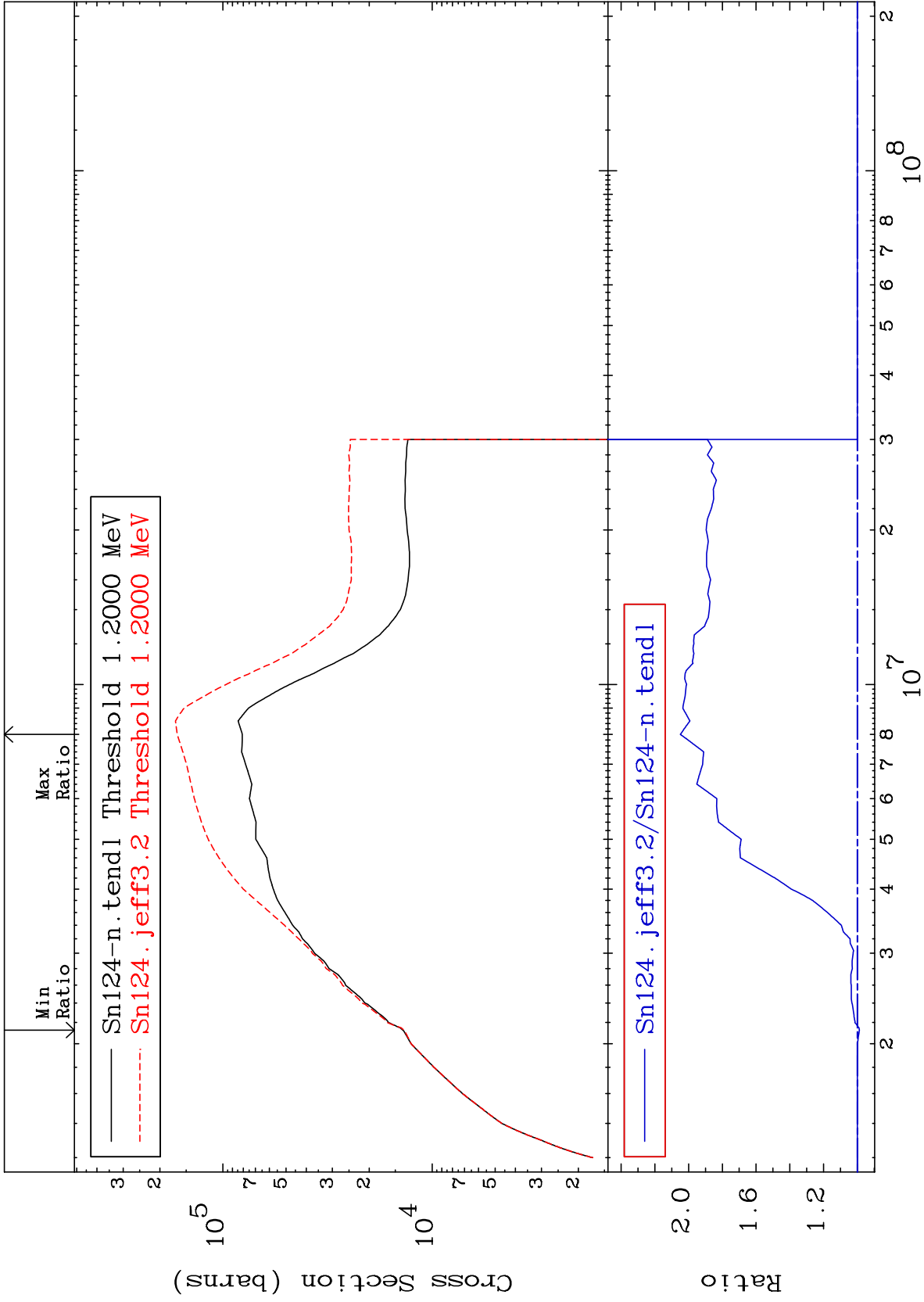
50-Sn-124  
-87.19 To 837.3 %



68

Incident Energy (eV)

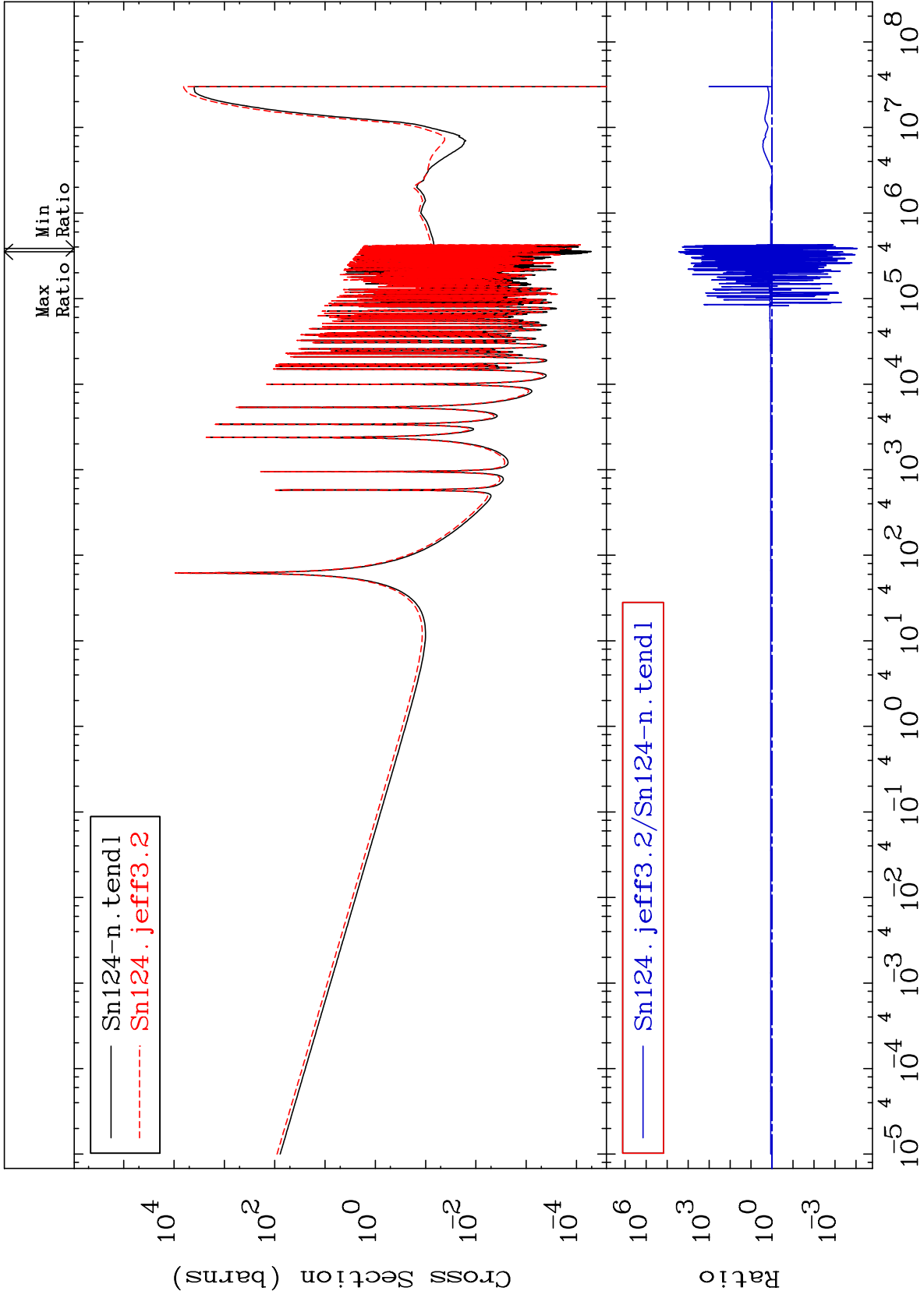
50-Sn-124



MAT 5061

Dpa disappearance (mt102 -120)  
Cross Section

50-Sn-124  
-99.99 To 9999. %

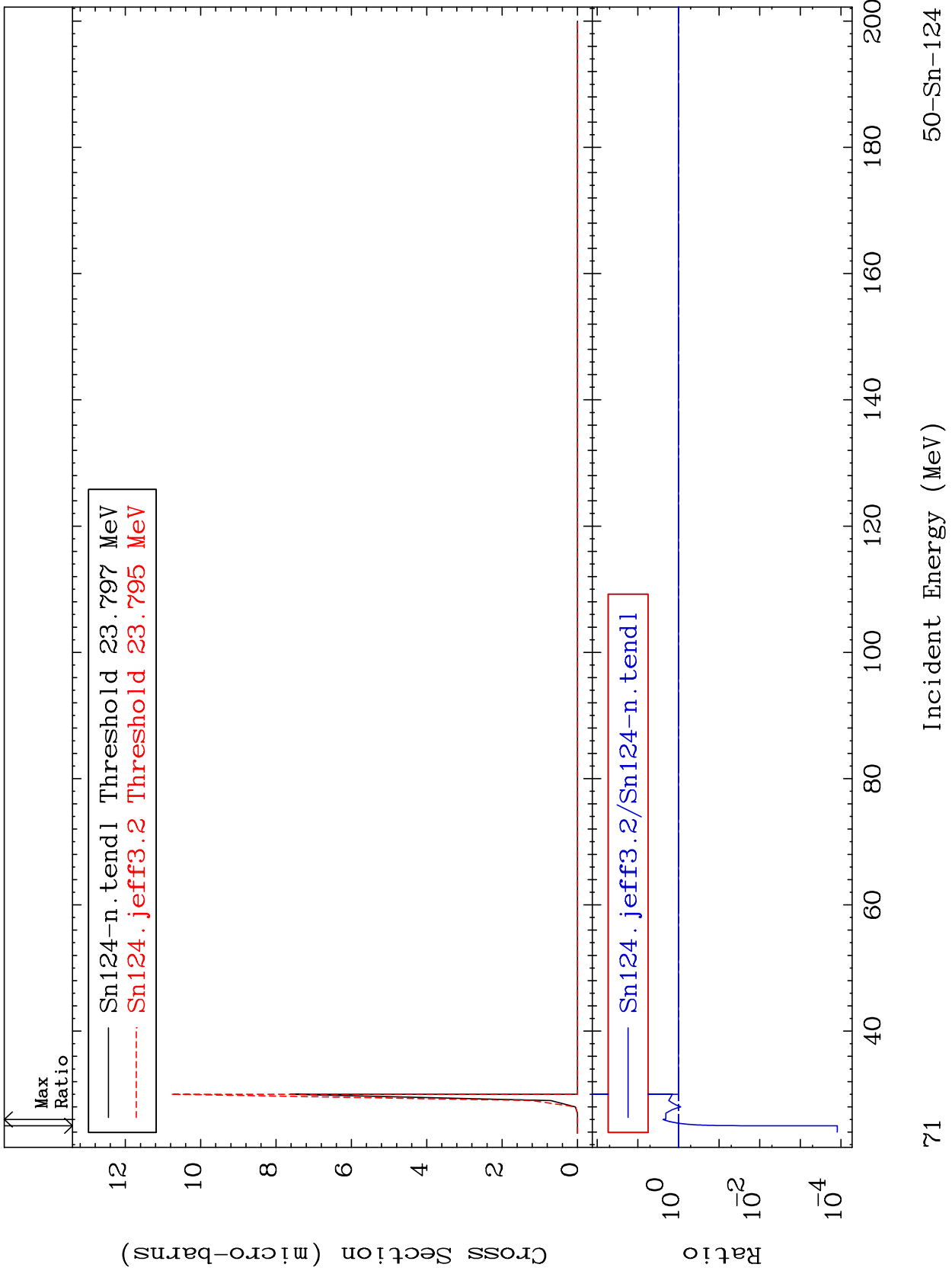


MAT 5061

(n,2n) d:49-In-121g

50-Sn-124

Radionuclide Production Cross Section -99.99 To 142.4 %

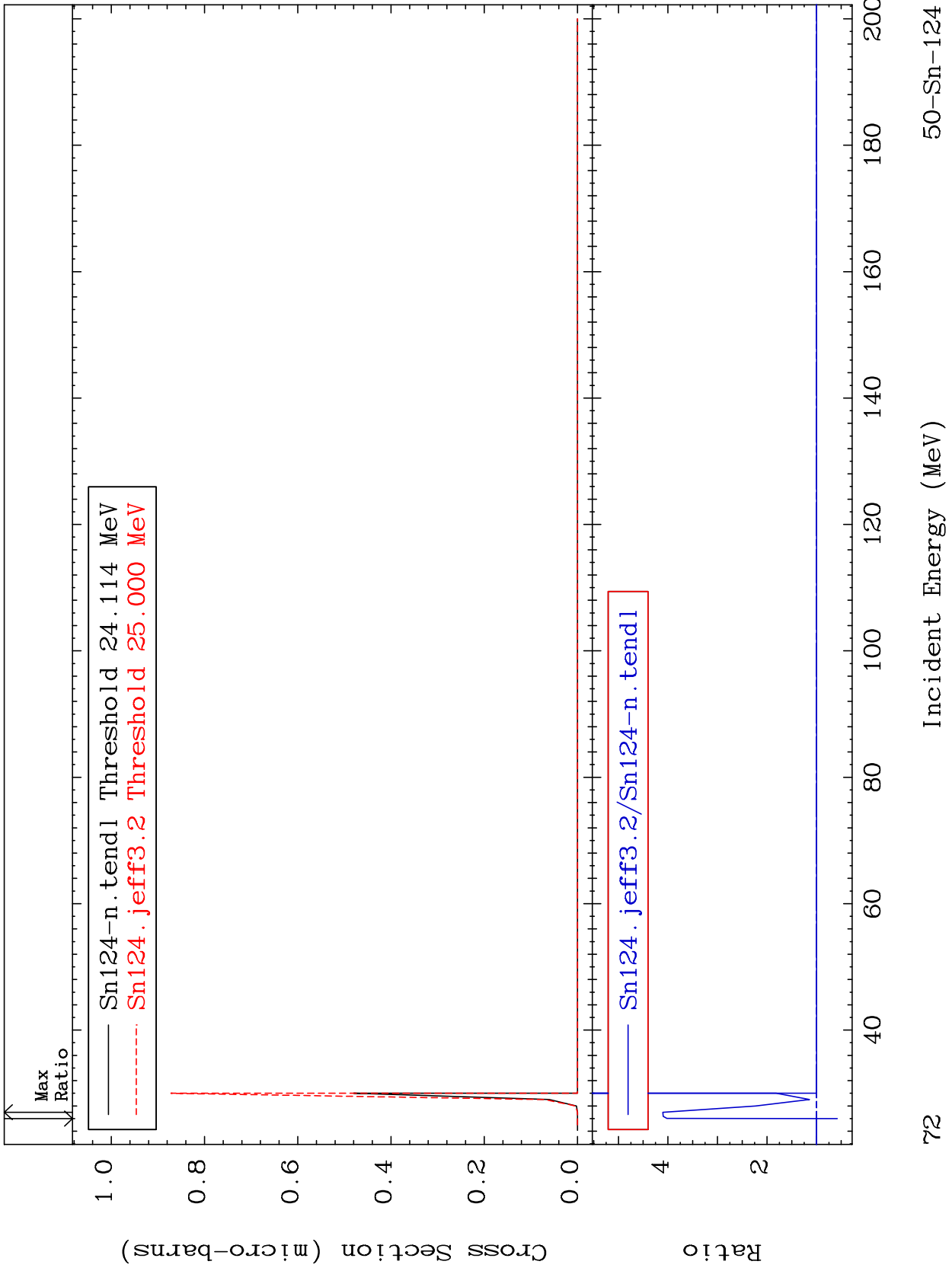


MAT 5061

(n,2n) d:49-In-121m1

50-Sn-124

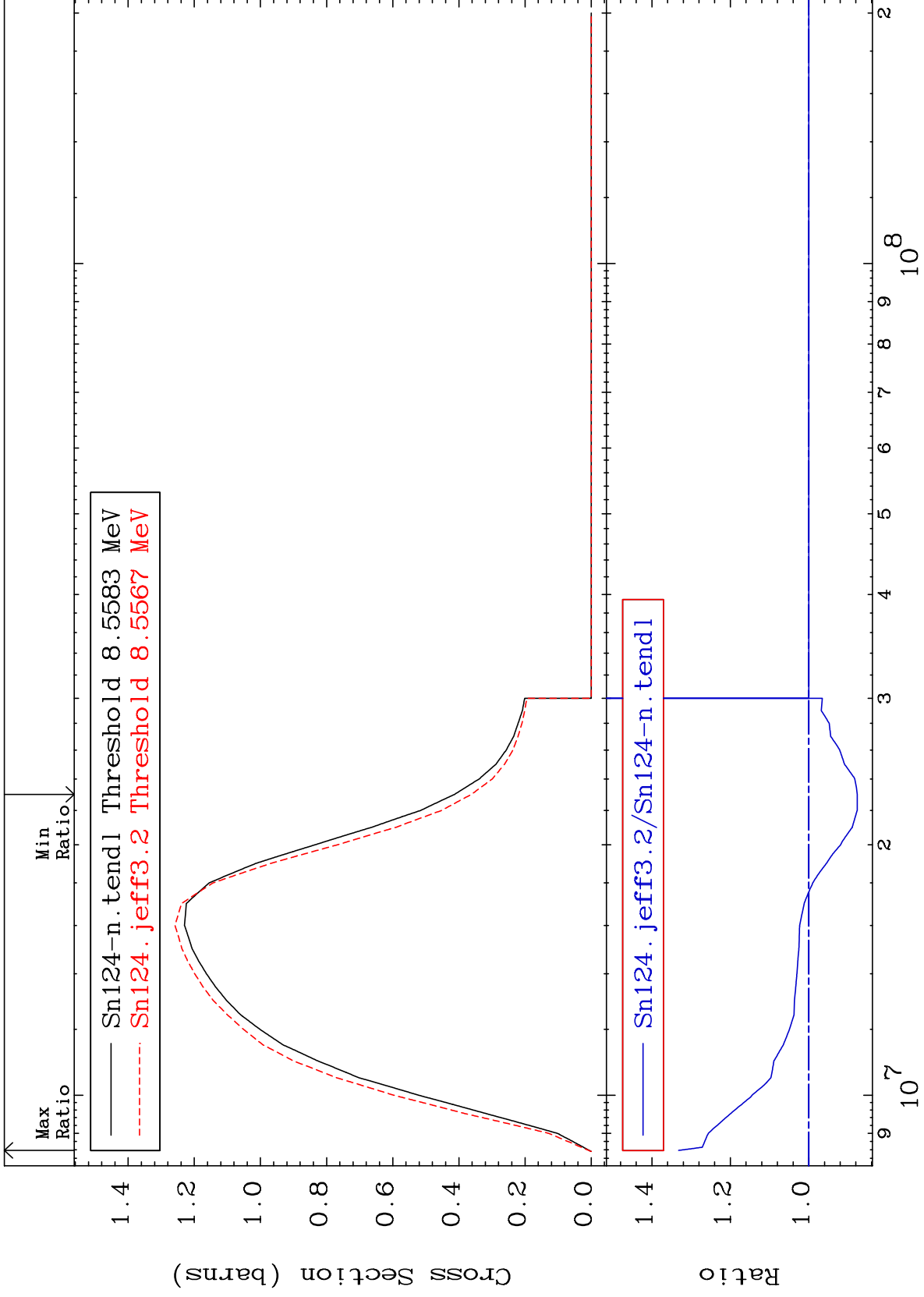
Radionuclide Production Cross Section -42.01 To 310.3 %





MAT 5061

(n,2n):50-Sn-123g 50-Sn-124  
Radionuclide Production Cross Section -12.35 To 33.18 %



73

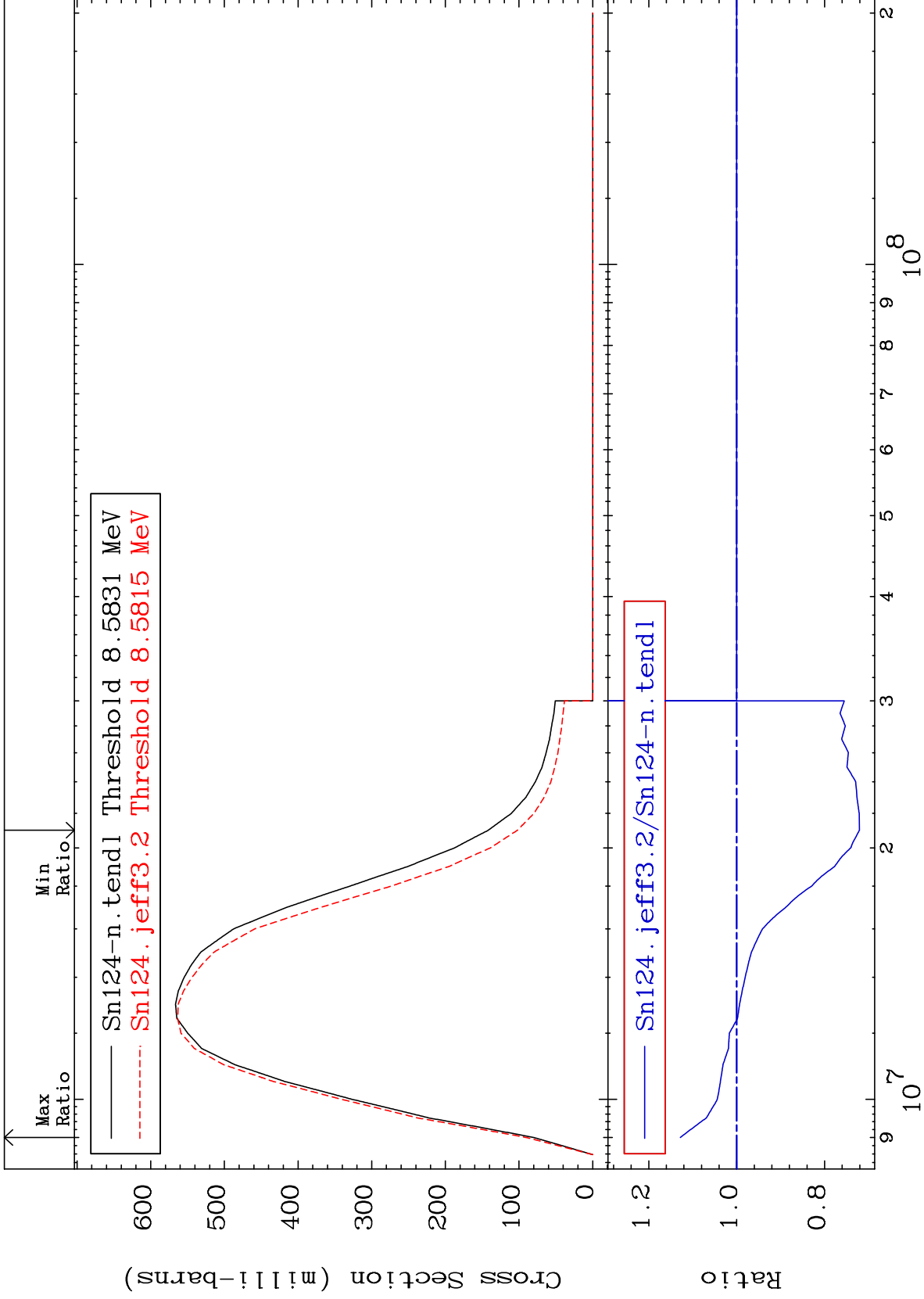
50-Sn-124

MAT 5061

(n,2n):50-Sn-123m1

50-Sn-124

Radionuclide Production Cross Section -27.92 To 12.81 %

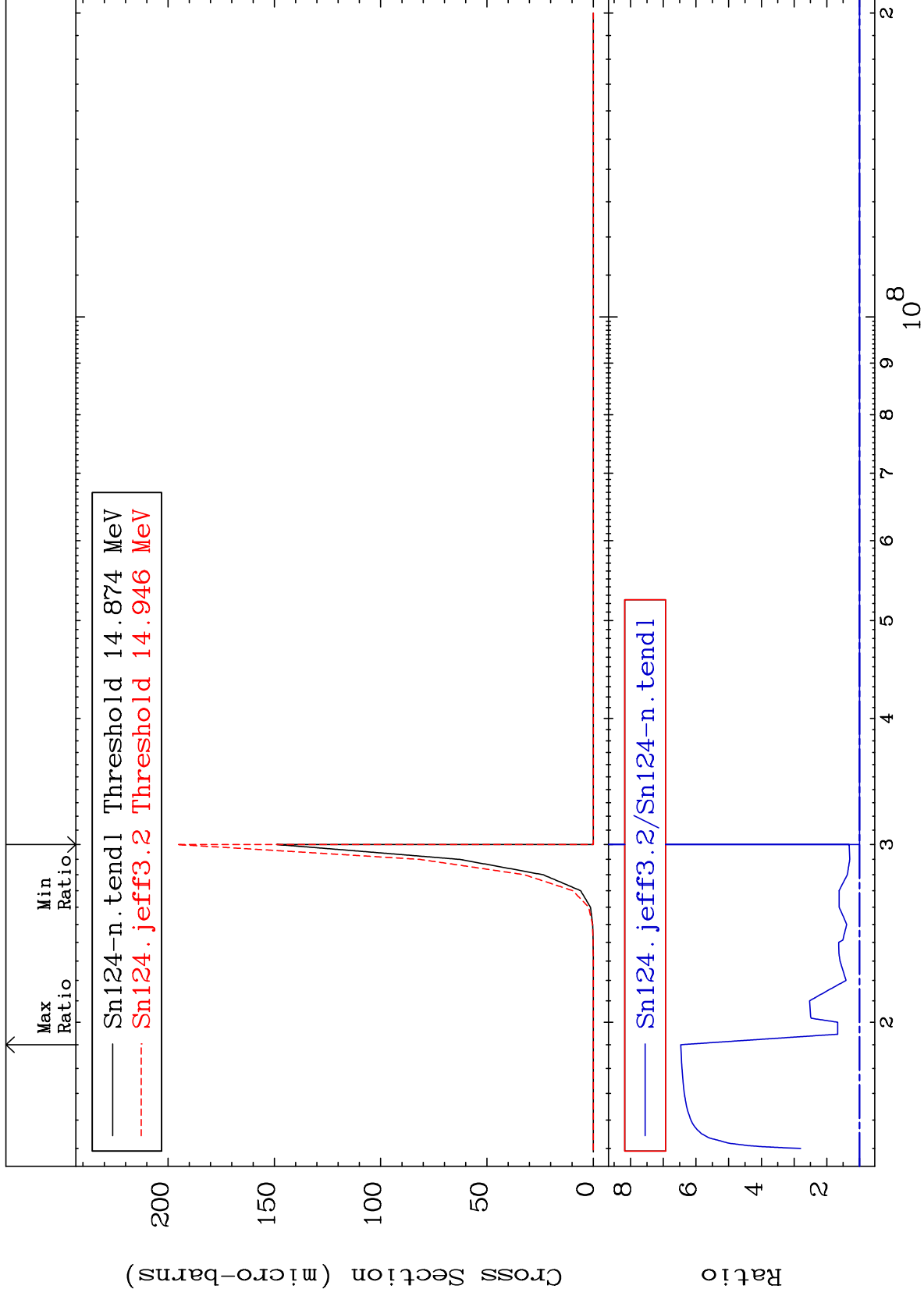


MAT 5061

(n,2n)  $\alpha$ : 48-Cd-119g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 546.5 %



75

Incident Energy (eV)

50-Sn-124

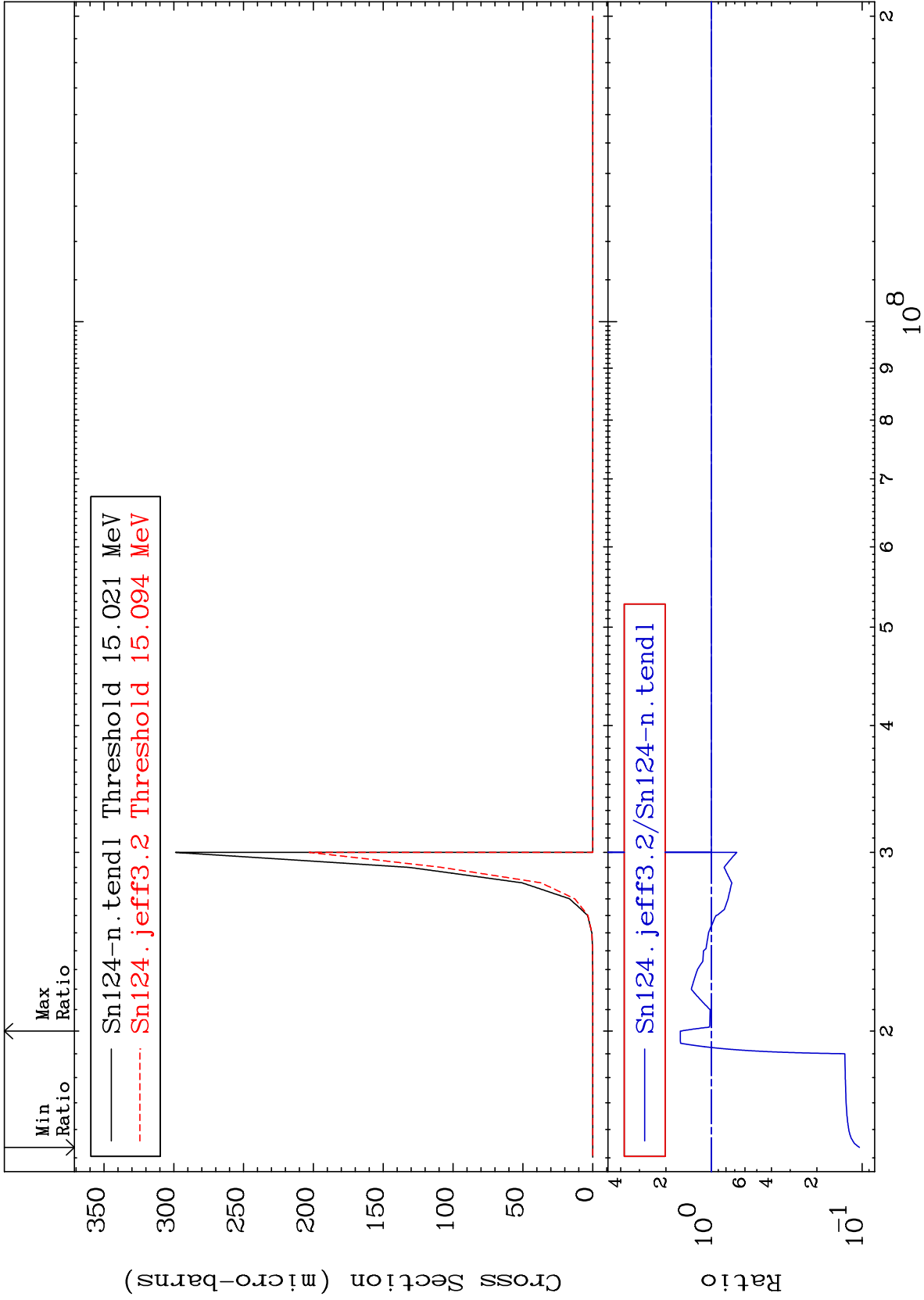
MAT 5061

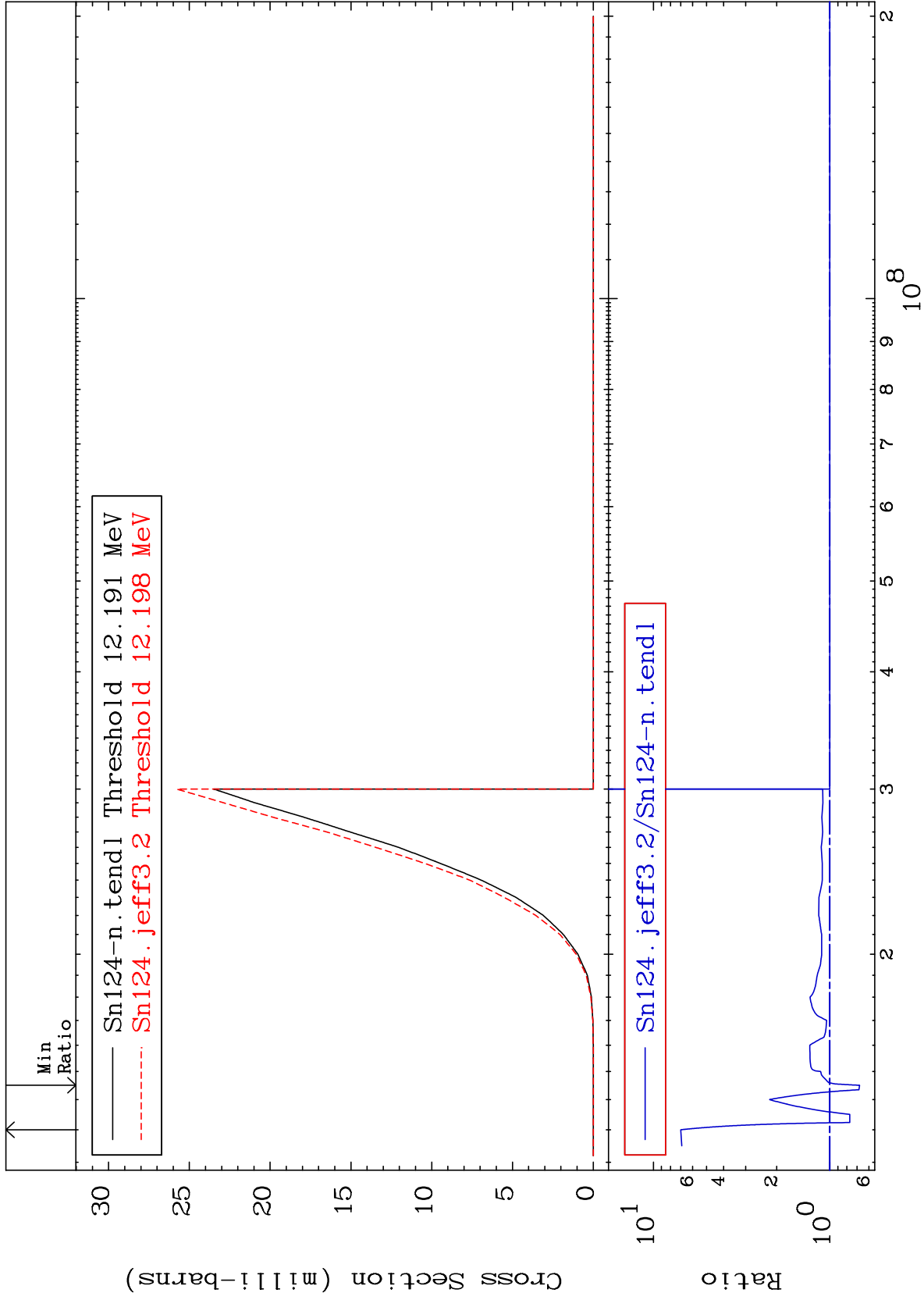
(n,2n)  $\alpha$ : 48-Cd-119m2

50-Sn-124

Radionuclide Production Cross Section

-89.57 To 60.65 %



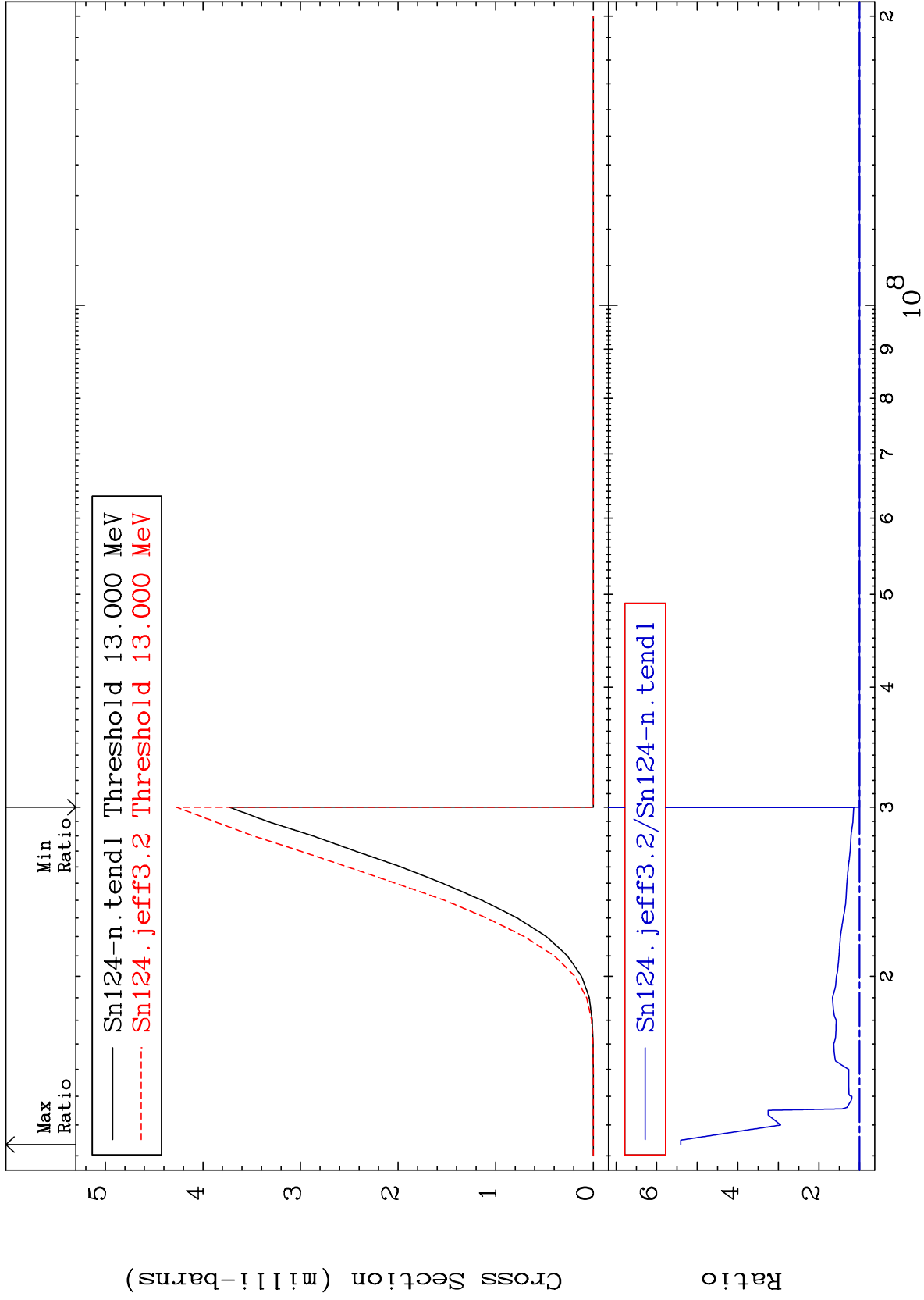


MAT 5061

(n, n') p:49-In-123m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 440.6 %



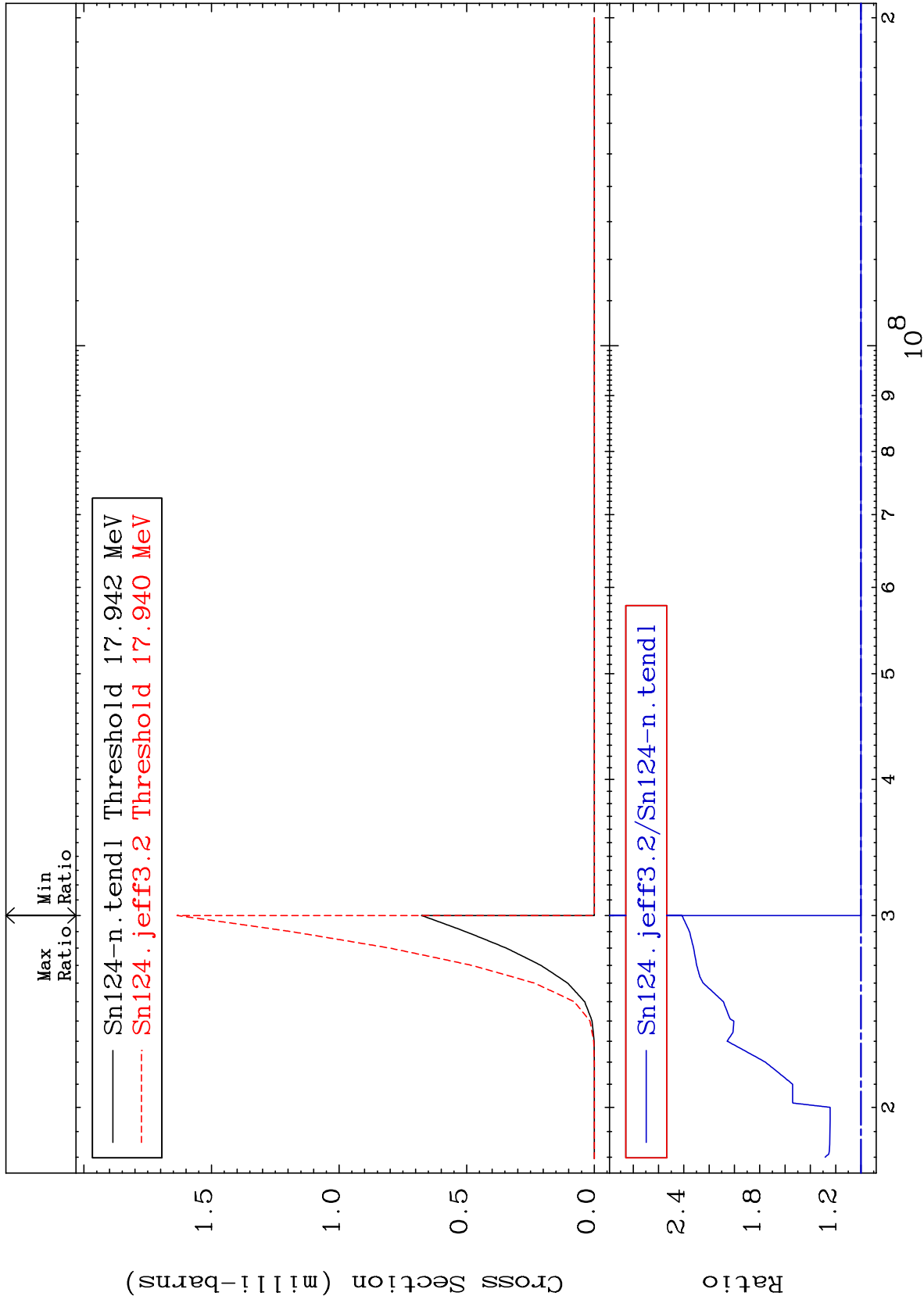
78

Incident Energy (eV)

50-Sn-124

MAT 5061

(n, n') d:49-In-122g 50-Sn-124  
Radionuclide Production Cross Section 0.000 To 141.5 %



79

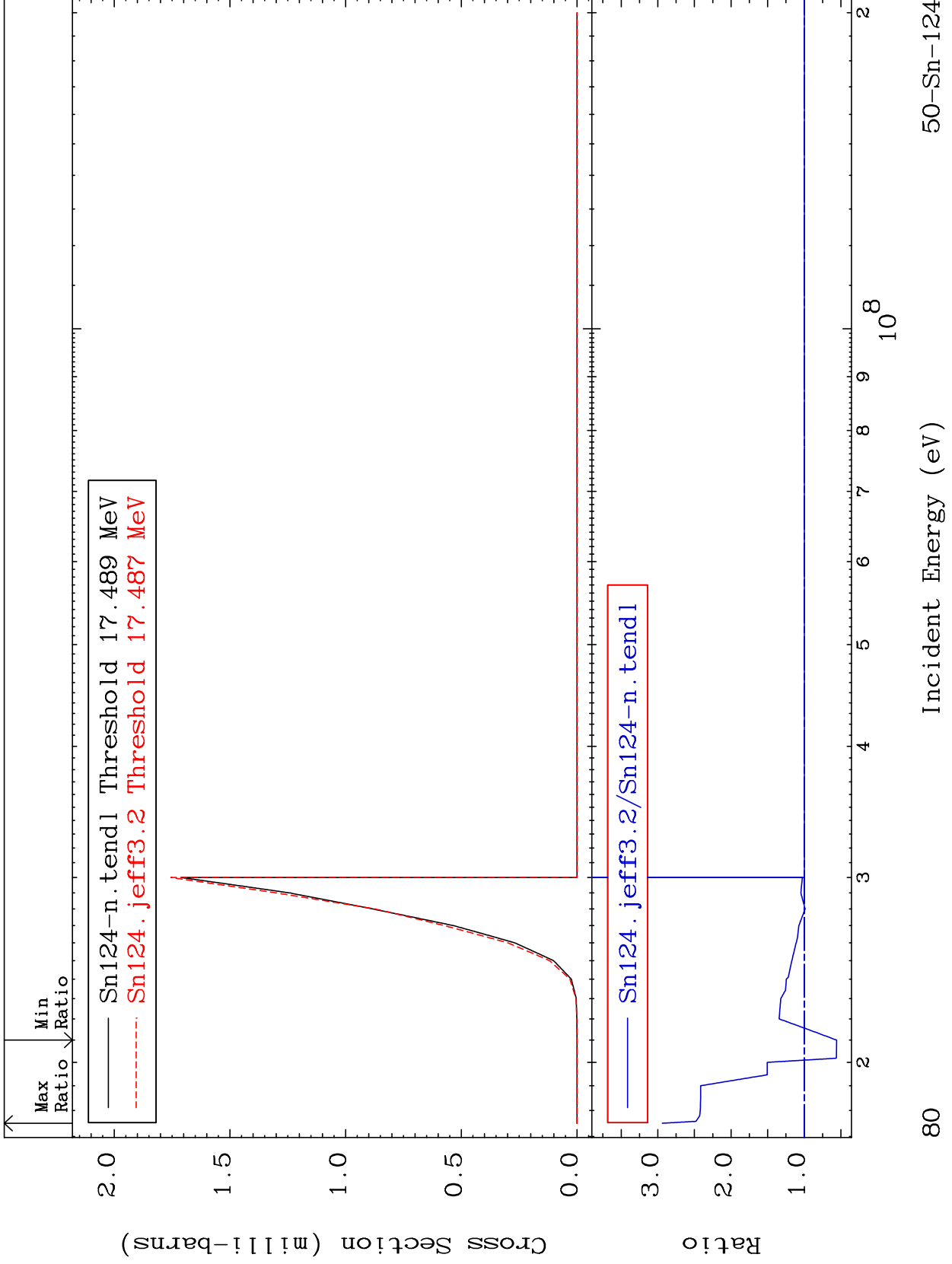
50-Sn-124

MAT 5061

(n, n') t: 49-In-121g

50-Sn-124

Radionuclide Production Cross Section -44.21 To 193.8 %



80



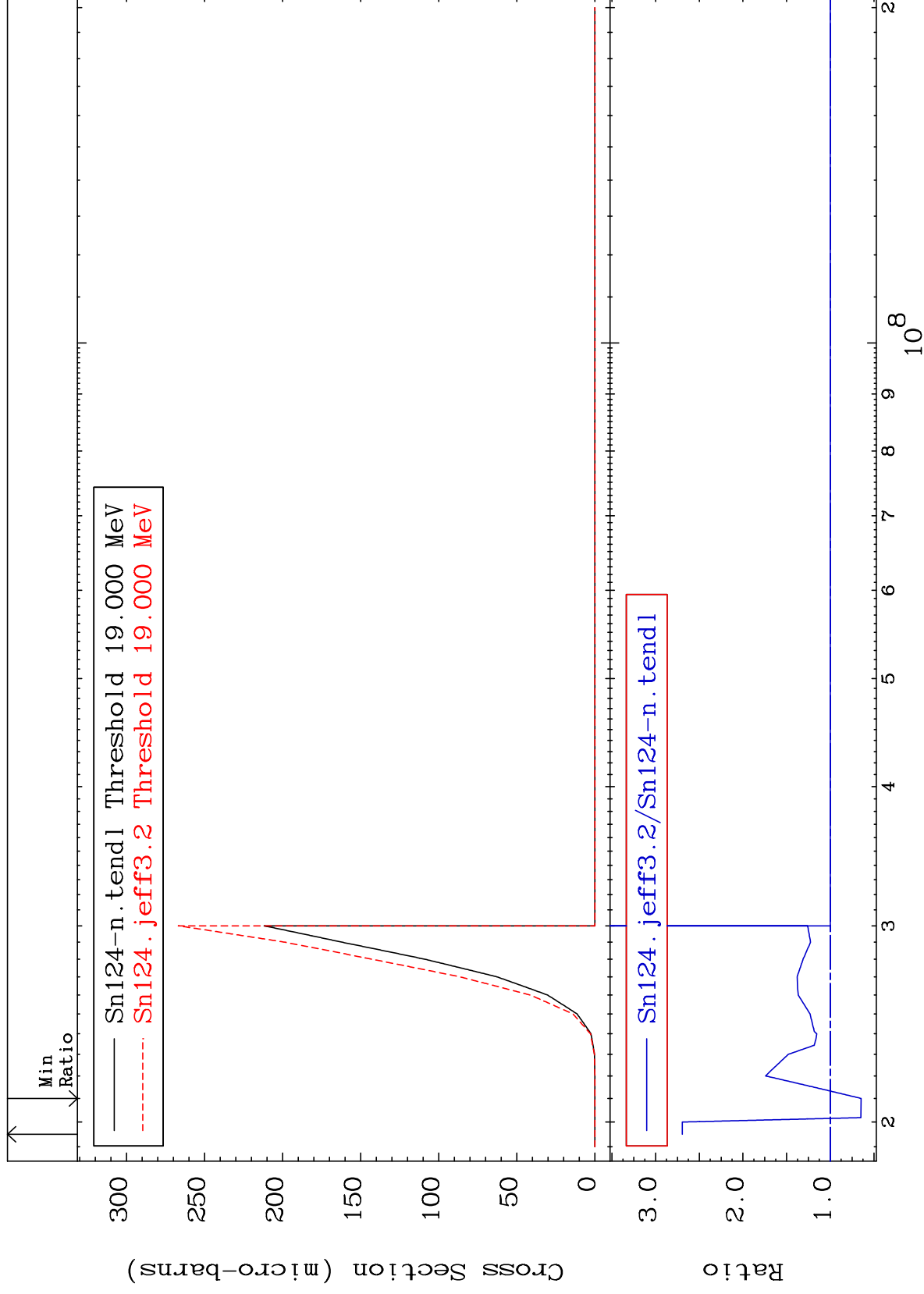
MAT 5061

(n,n') t:49-In-121m1

50-Sn-124

Radionuclide Production Cross Section

-35.33 To 169.4 %



81

Incident Energy (eV)

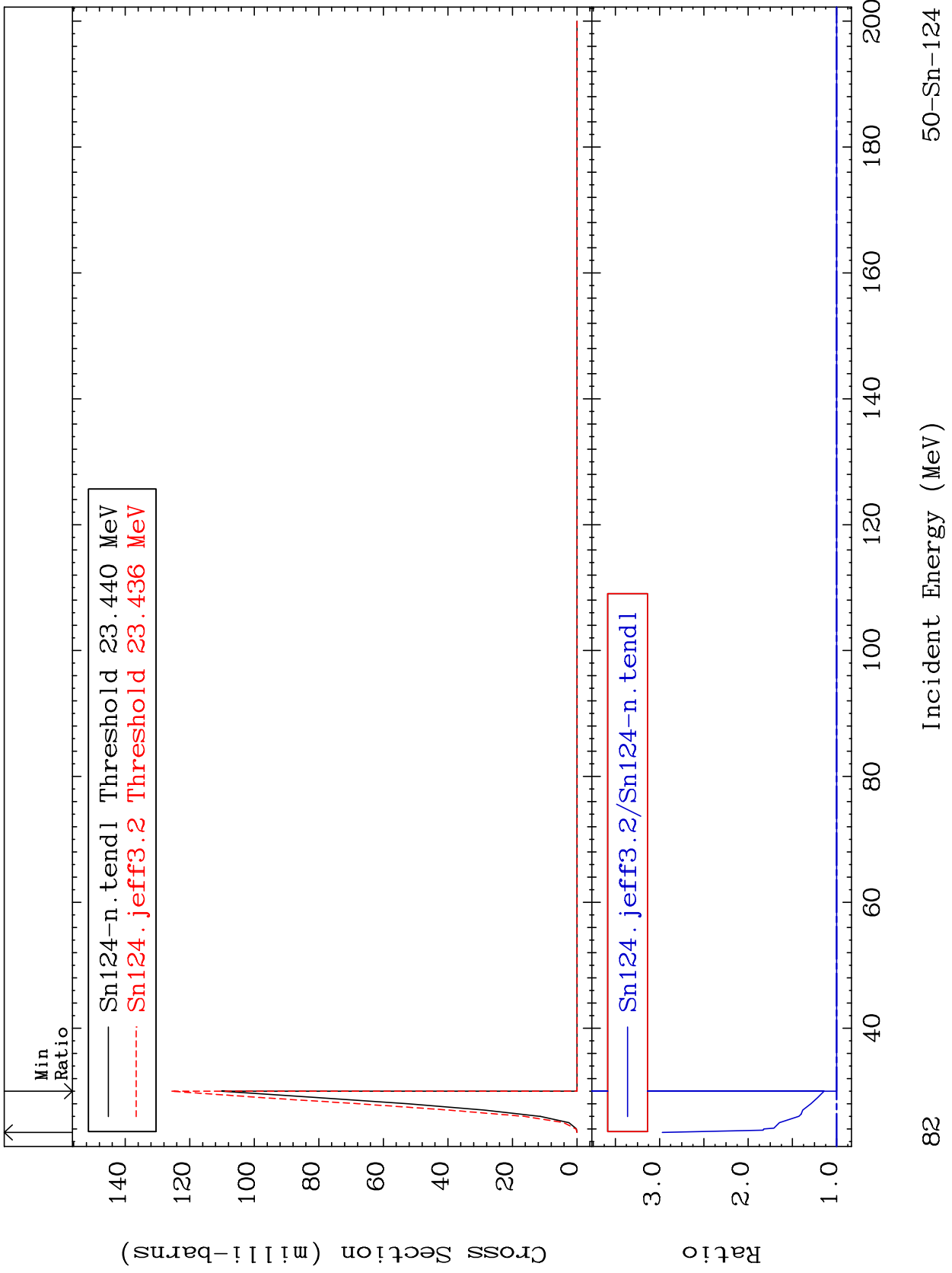
50-Sn-124

MAT 5061

(n,4n):50-Sn-121g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 197.0 %

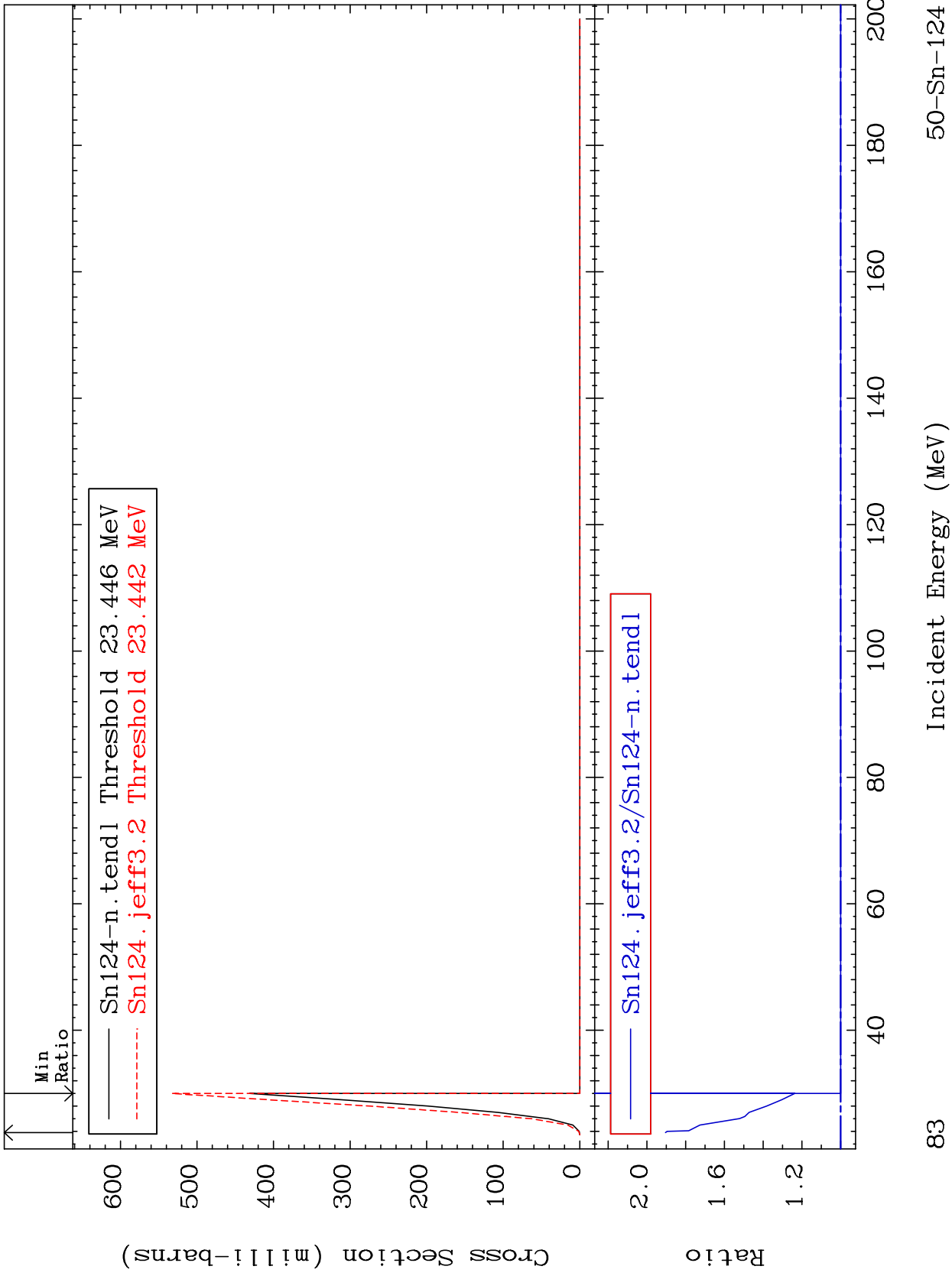


MAT 5061

(n, 4n):50-Sn-121m1

50-Sn-124

Radionuclide Production Cross Section 0.000 To 90.38 %

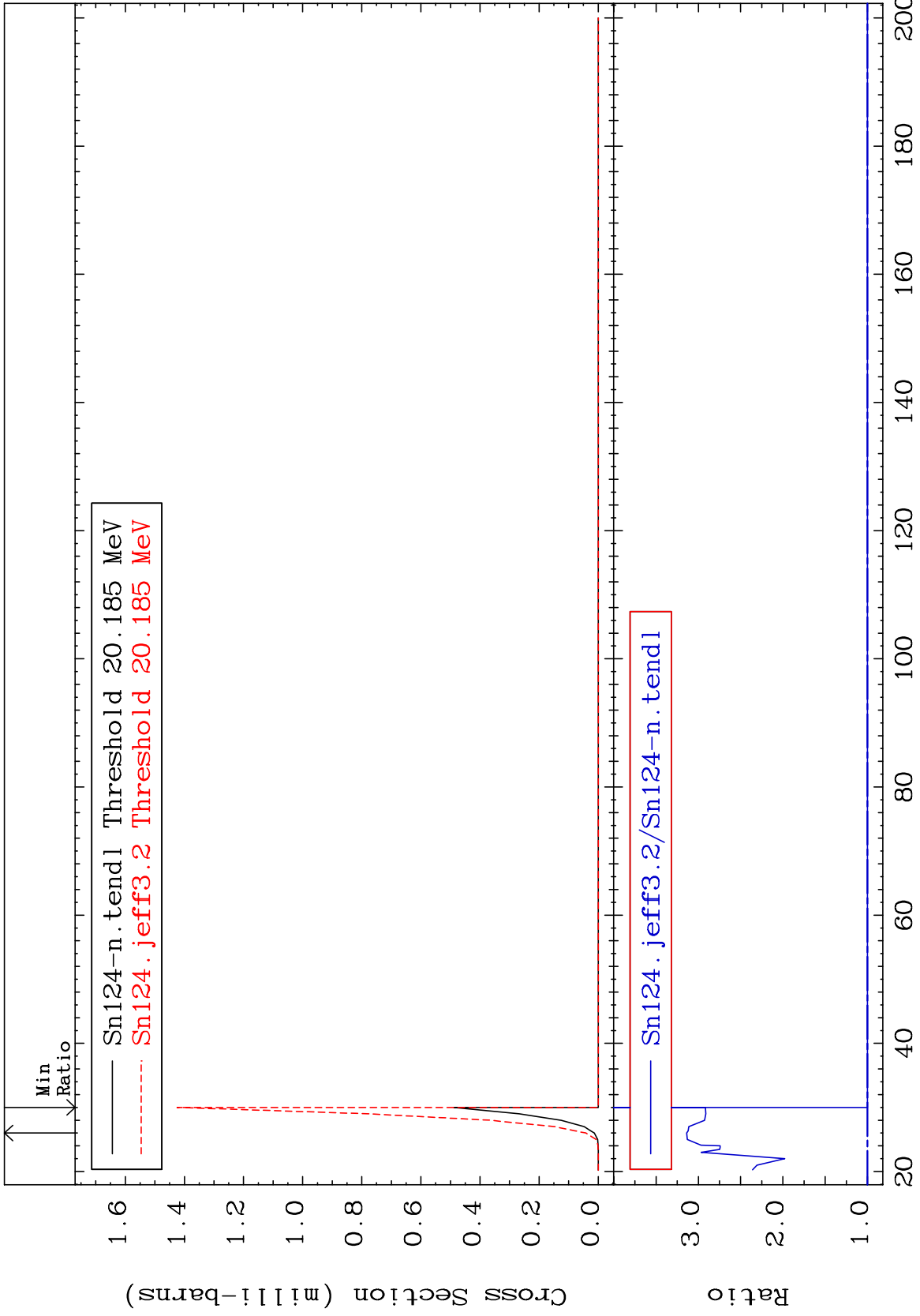


MAT 5061

(n,2n) p:49-In-122g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 213.8 %



84

Incident Energy (MeV)

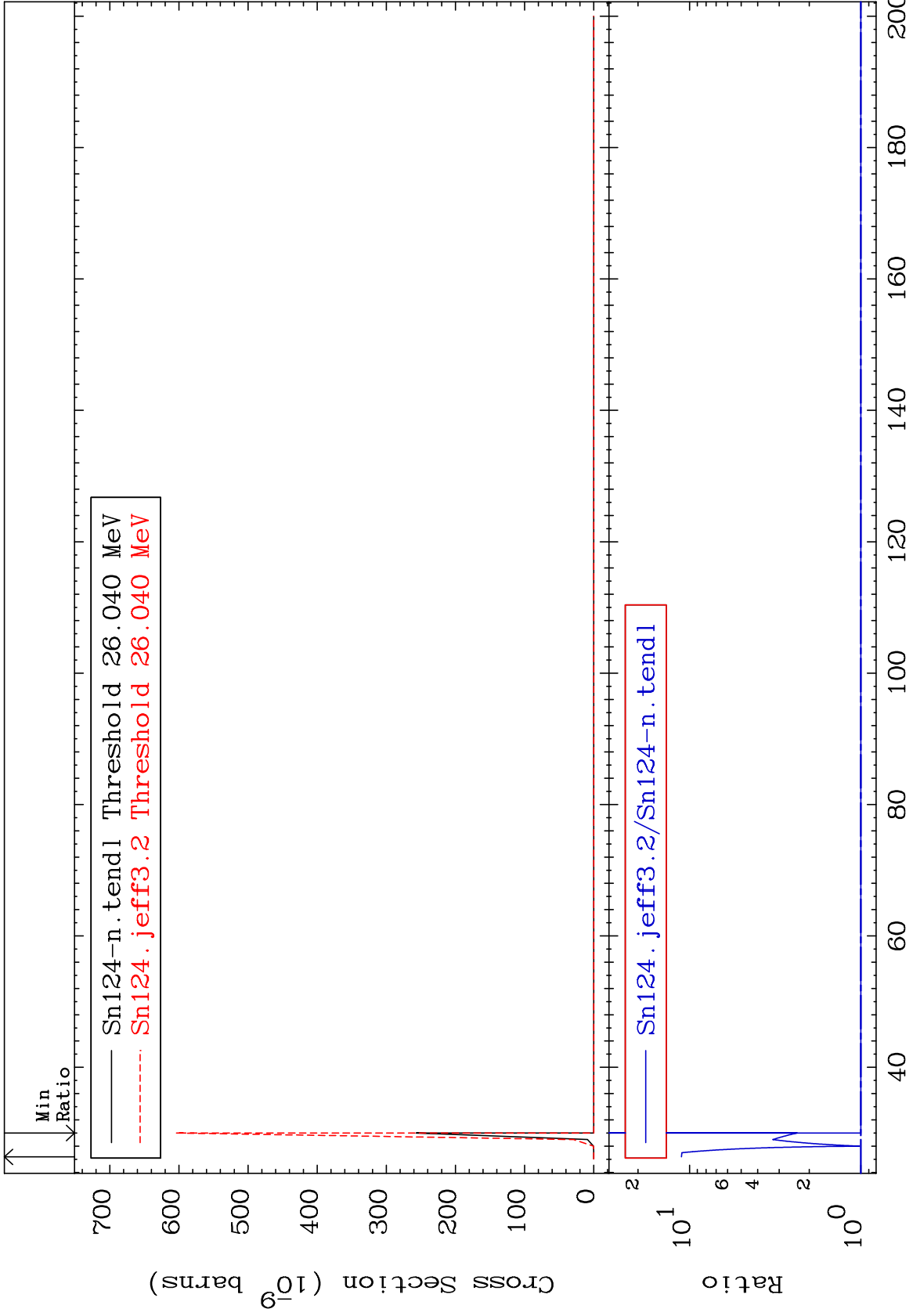
50-Sn-124

MAT 5061

(n,3n) p:49-In-121g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 1014. %



85

Incident Energy (MeV)

50-Sn-124

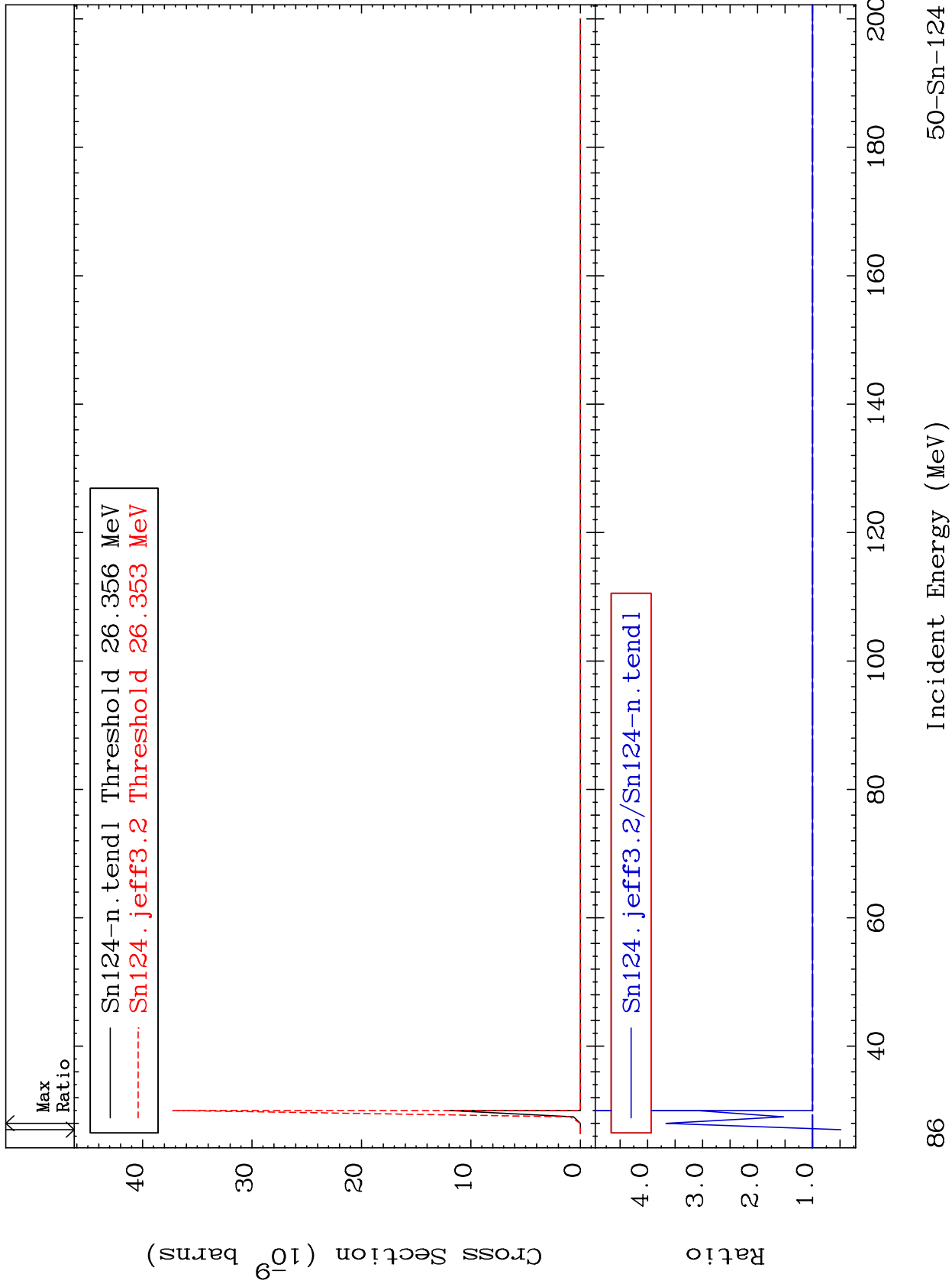
MAT 5061

(n,3n) p:49-In-121m1

50-Sn-124

Radionuclide Production Cross Section

-51.40 To 266.5 %

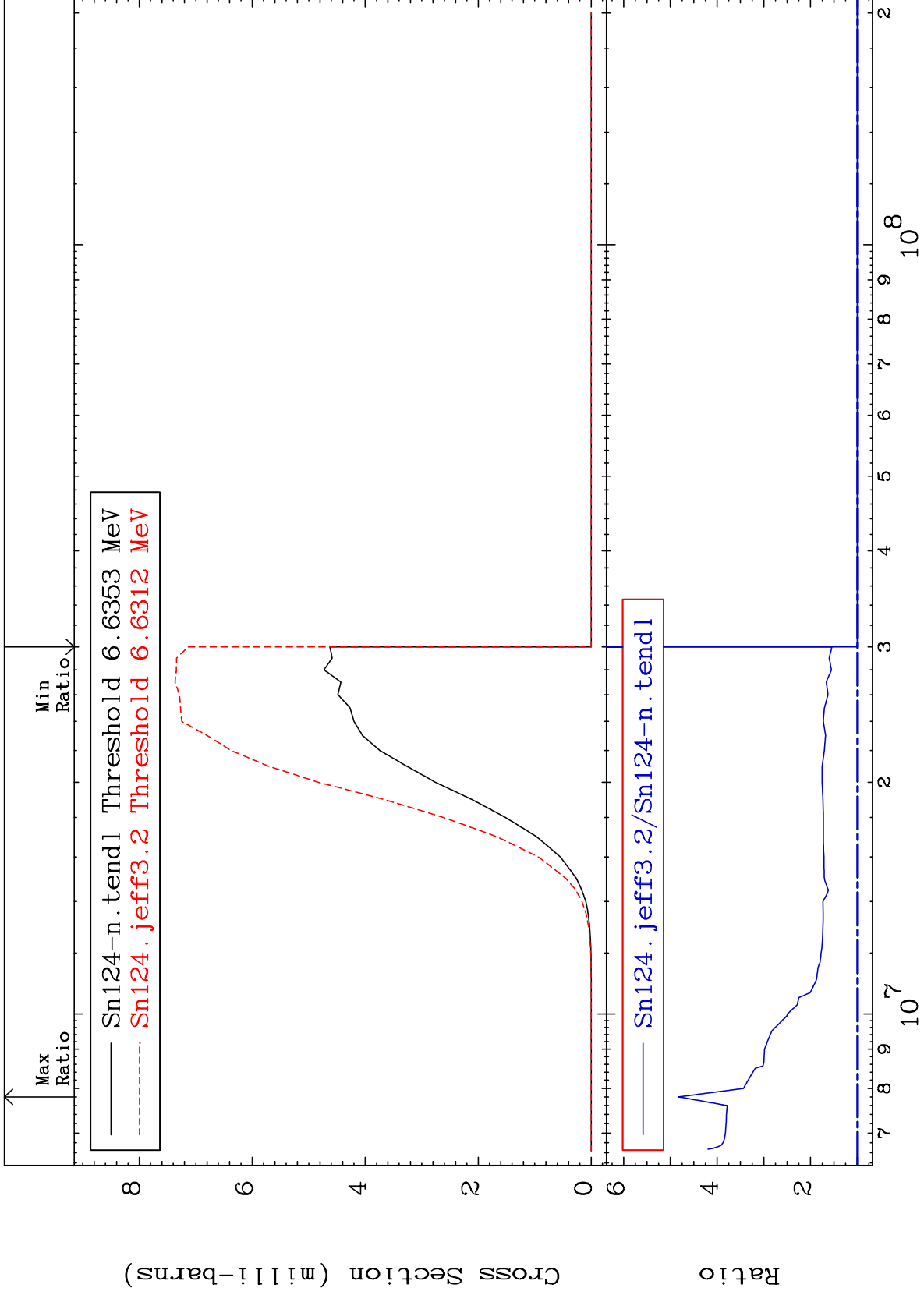


MAT 5061

(n, p) : 49-In-124g

50-Sn-124

Radionuclide Production Cross Section 0.000 To 382.3 %



87

Incident Energy (eV)

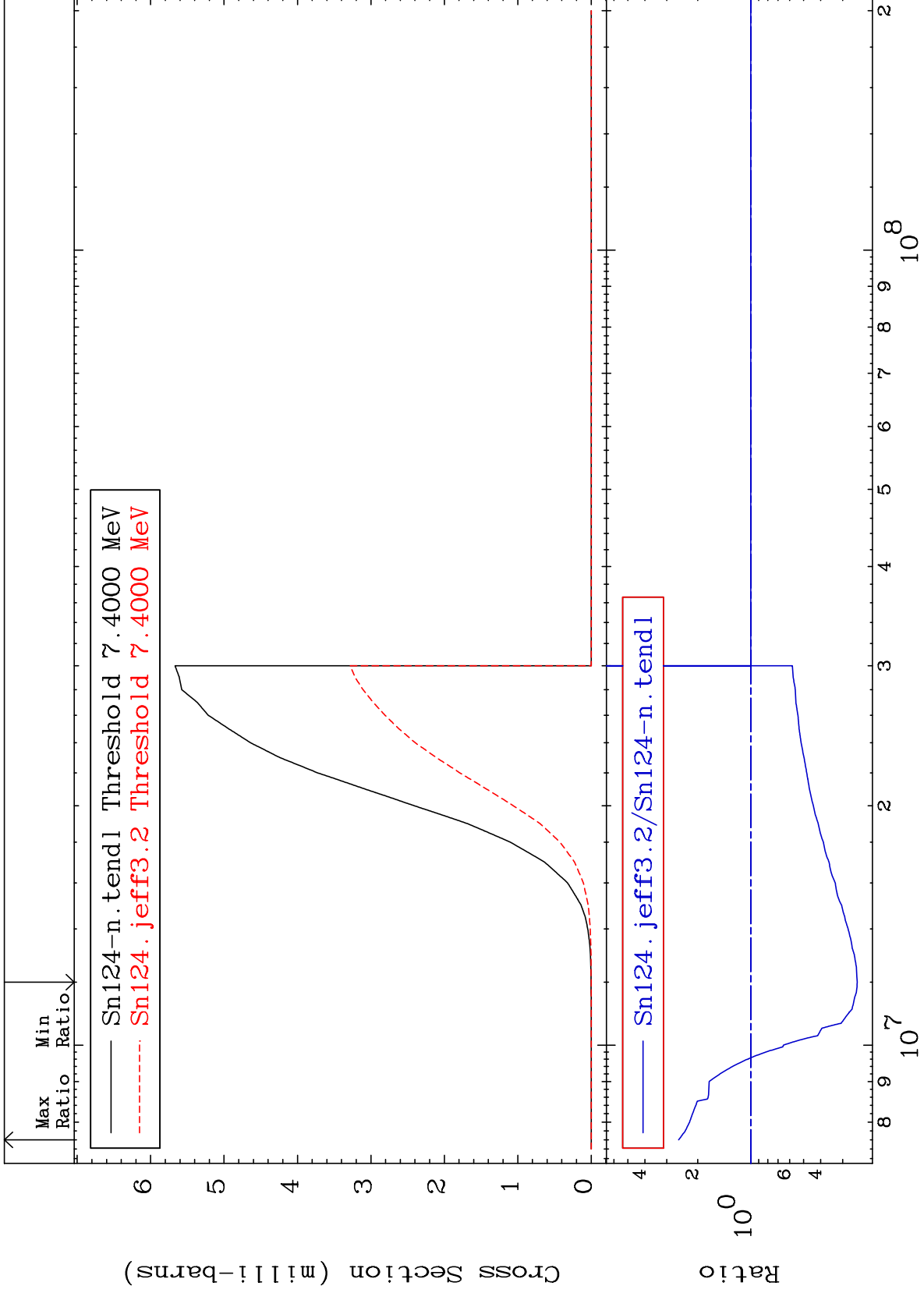
50-Sn-124

MAT 5061

(n, p) : 49-In-124m2

50-Sn-124

Radionuclide Production Cross Section -75.23 To 156.9 %



88

Incident Energy (eV)

50-Sn-124

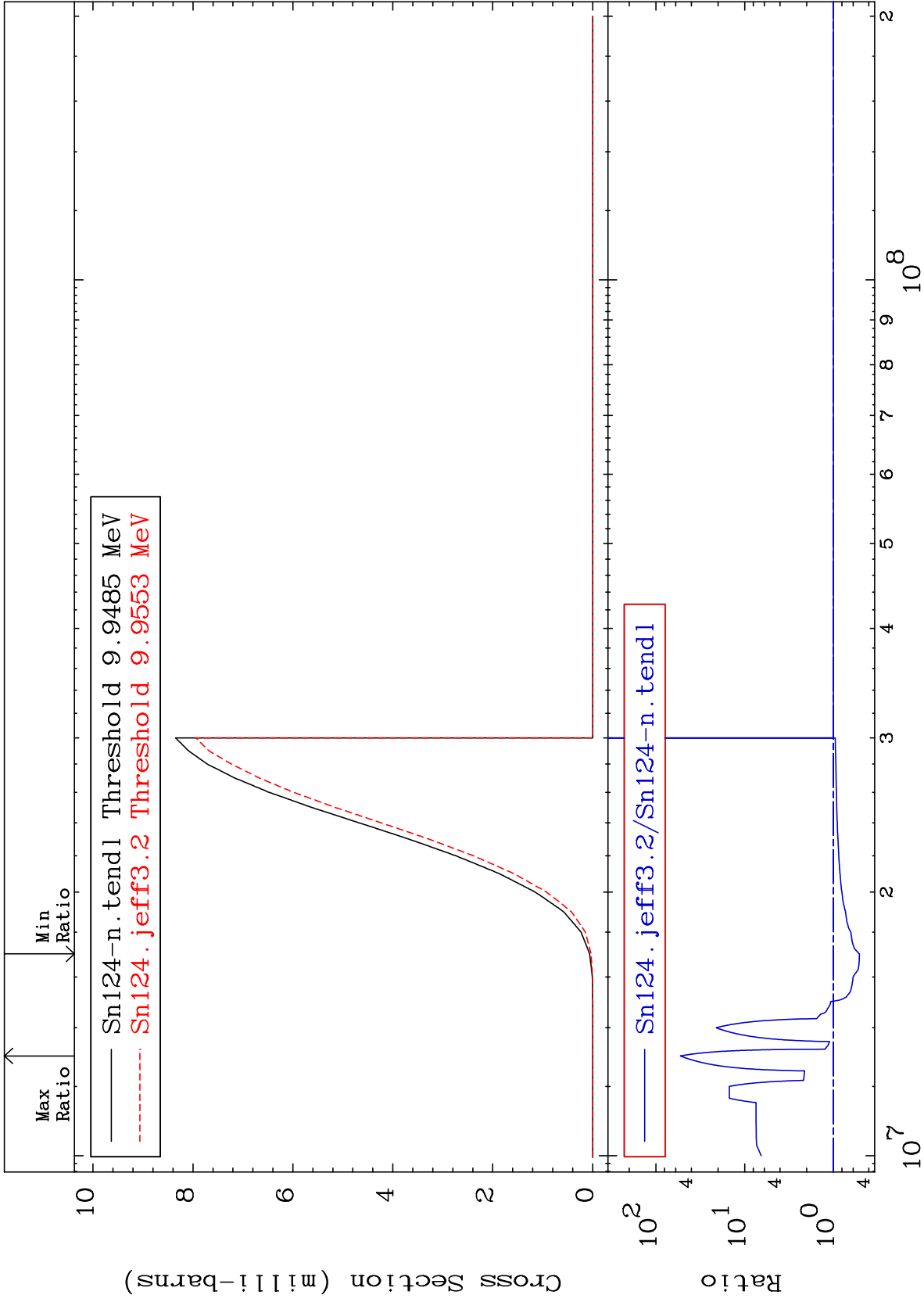


MAT 5061

(n, d) : 49-In-123g

50-Sn-124

Radionuclide Production Cross Section -49.09 To 5208. %



89

50-Sn-124

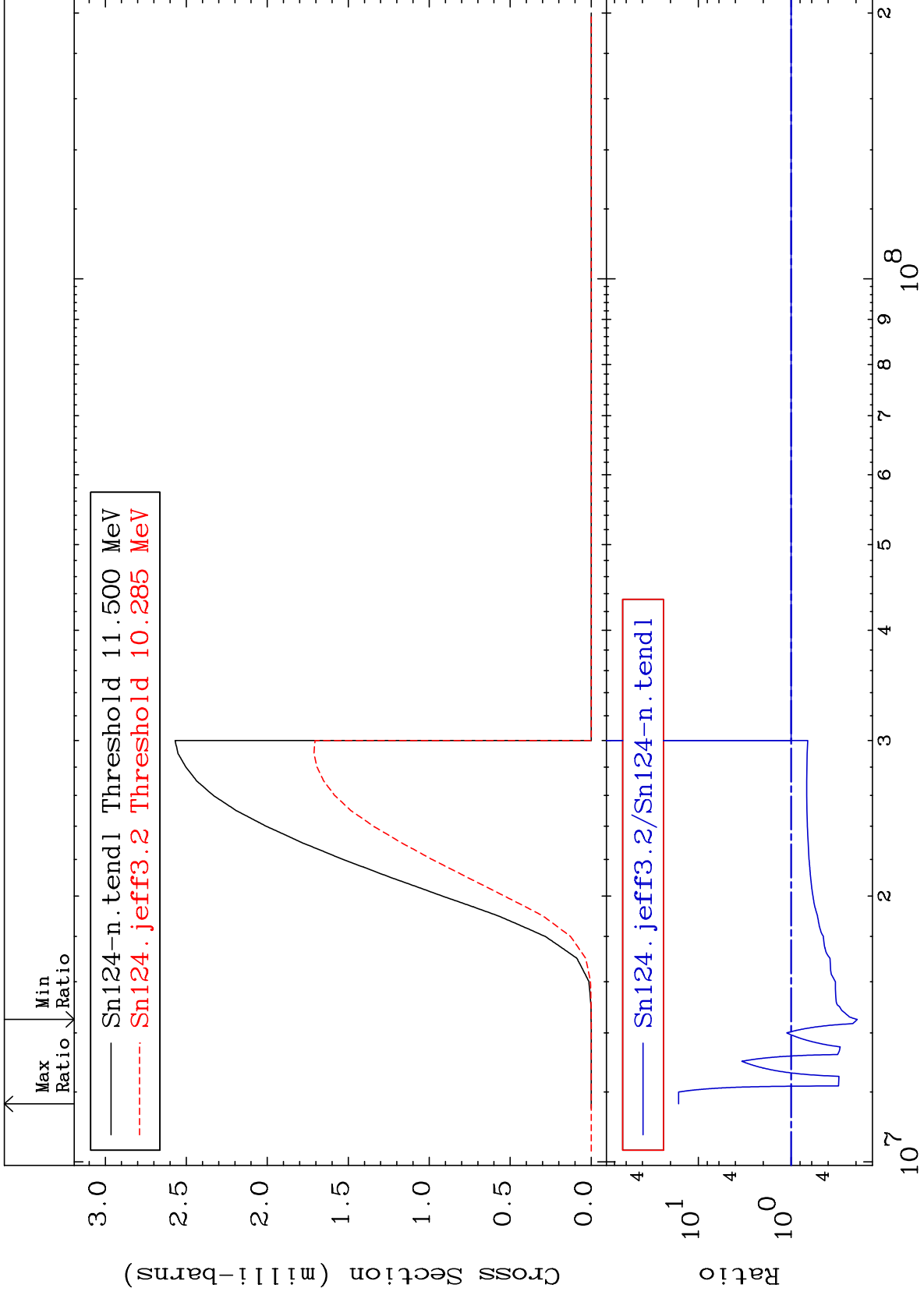
50-Sn-124

MAT 5061

(n, d) : 49-In-123m1

50-Sn-124

Radionuclide Production Cross Section -80.61 To 1531. %



90

Incident Energy (eV)

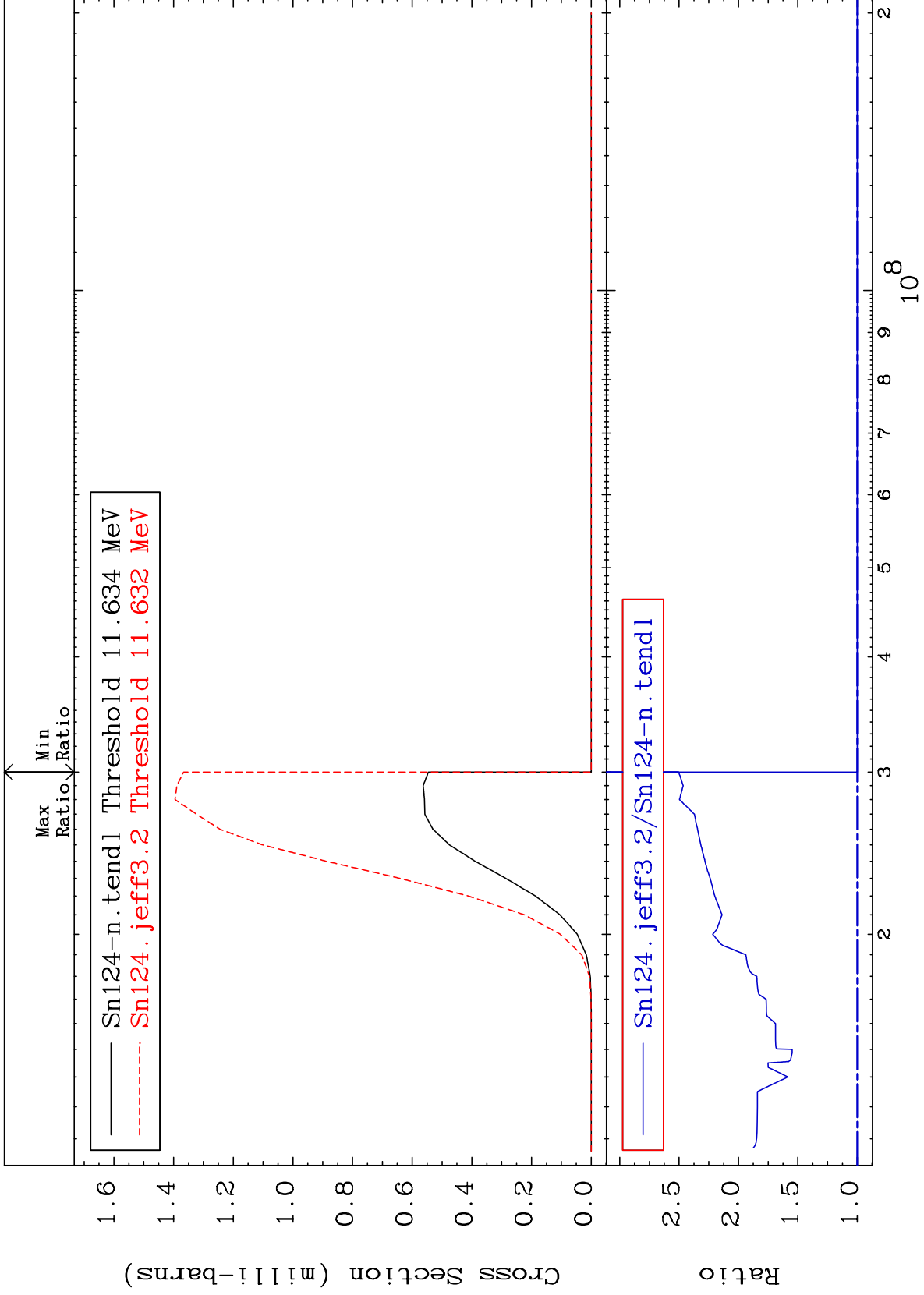
50-Sn-124

MAT 5061

(n, t) : 49-In-122g

50-Sn-124  
To 150.4 %

Radionuclide Production Cross Section 0.000



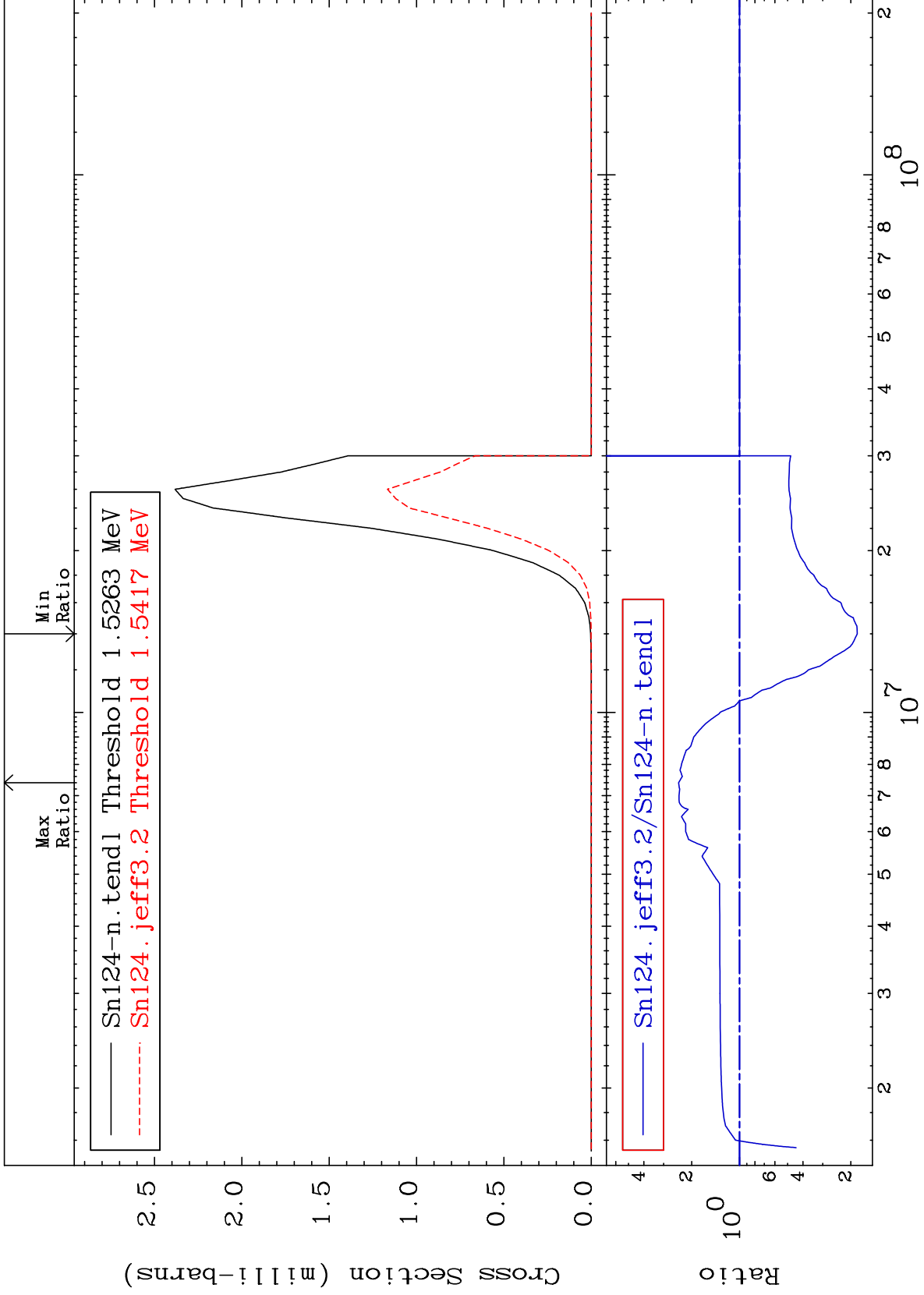
MAT 5061

(n,  $\alpha$ ): 48-Cd-121g

50-Sn-124

Radionuclide Production Cross Section

-81.79 To 141.6 %

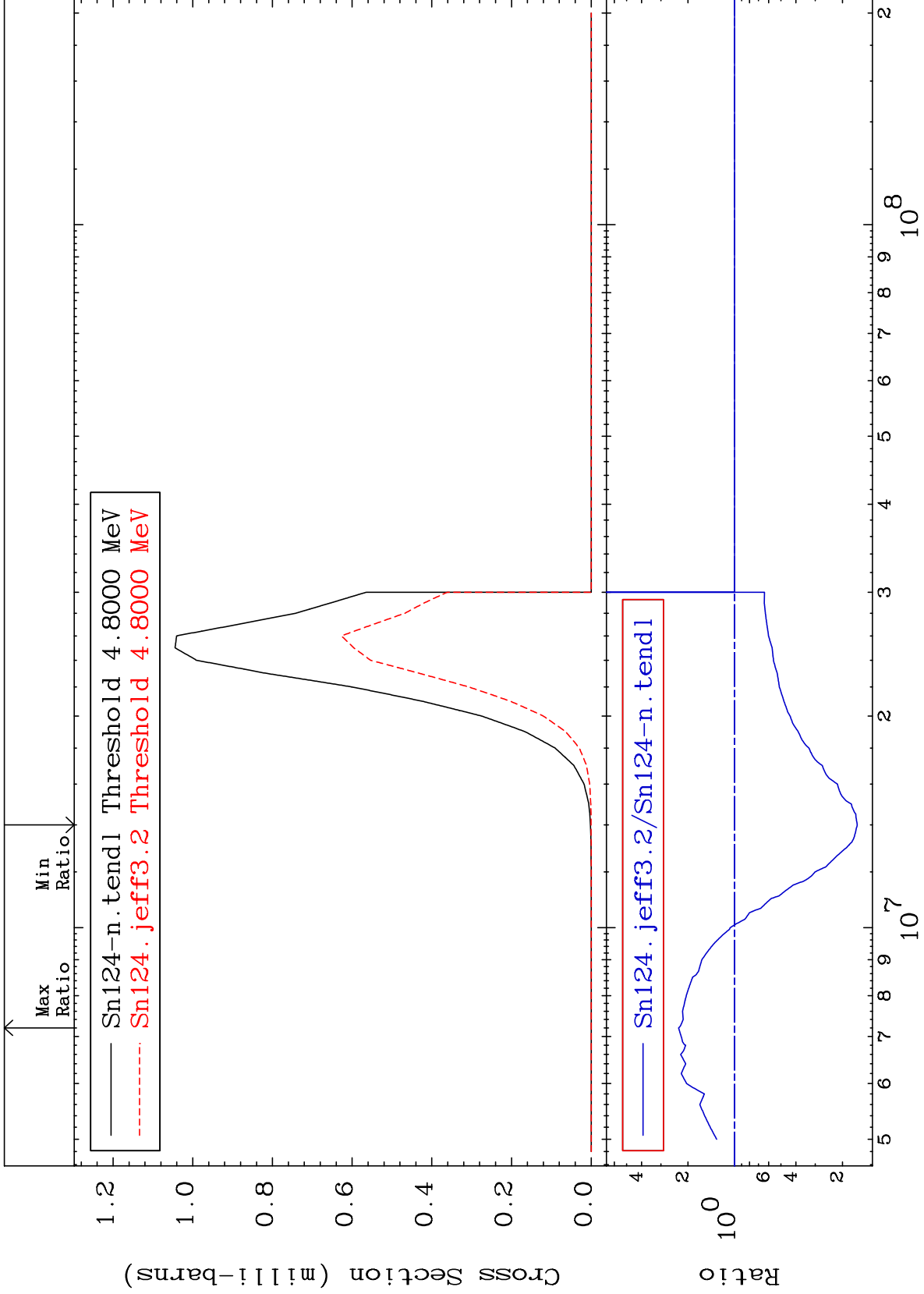


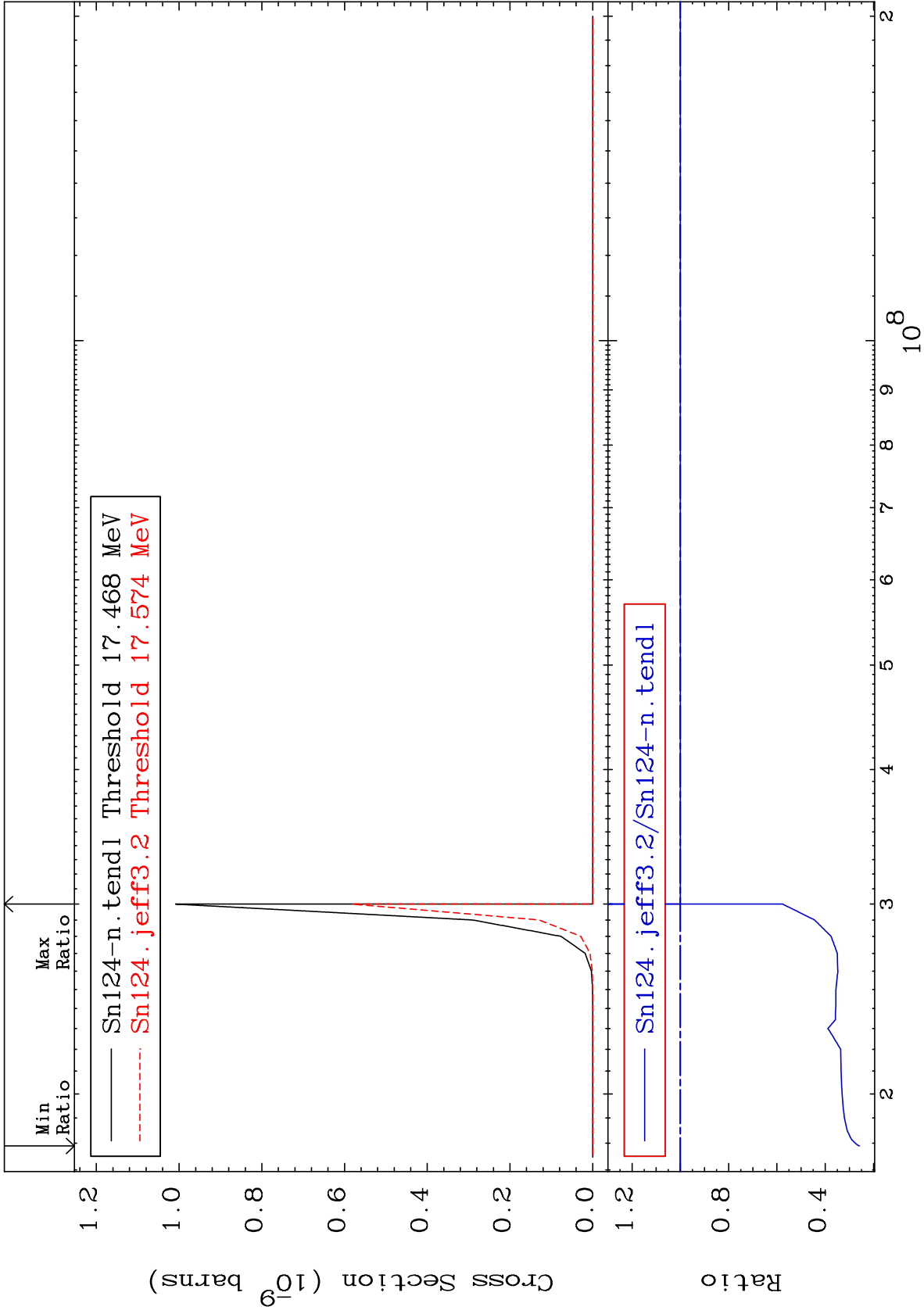
MAT 5061

(n,  $\alpha$ ): 48-Cd-121m2

50-Sn-124

Radionuclide Production Cross Section -83.97 To 130.1 %



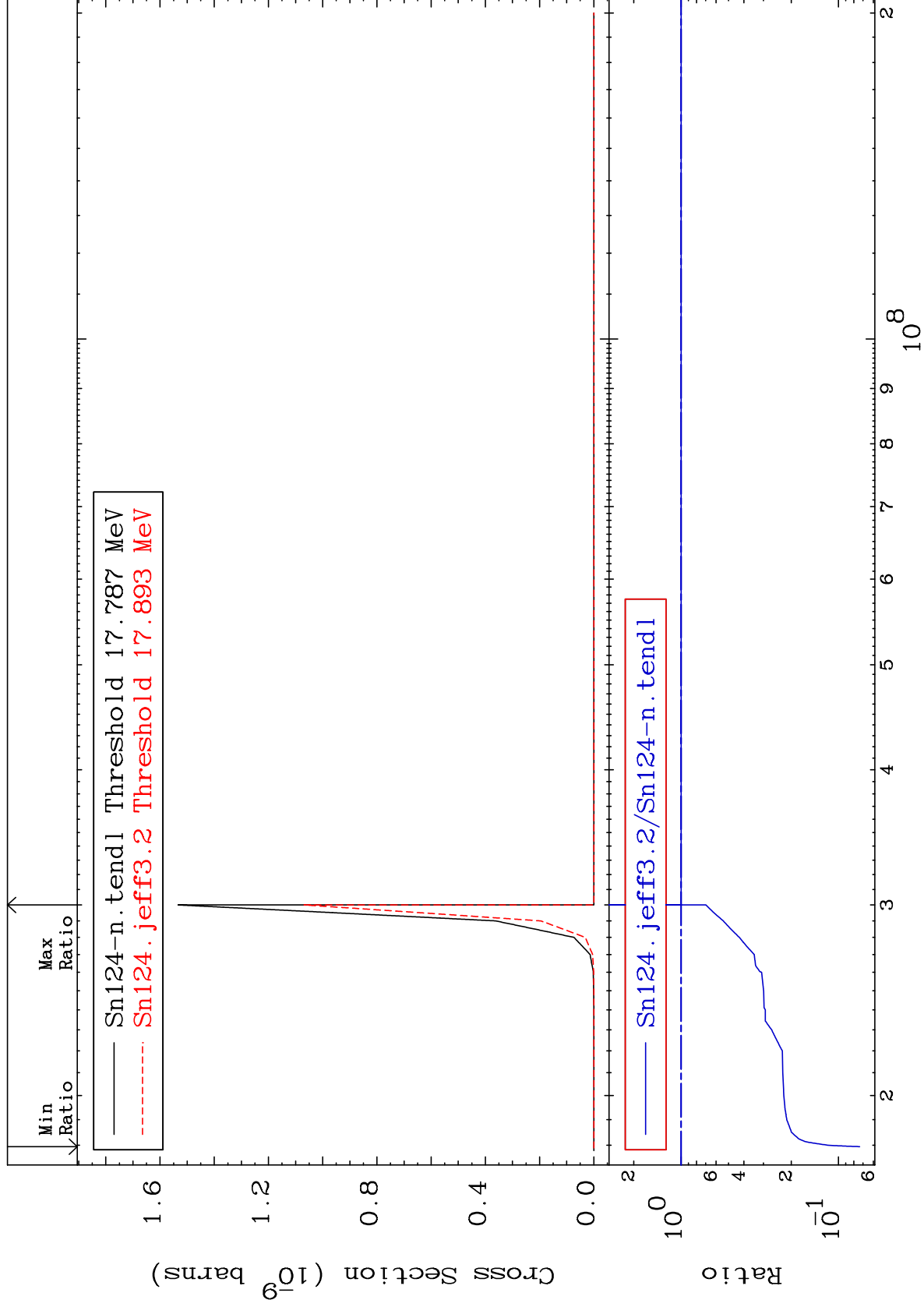


MAT 5061

(n,2p) : 48-Cd-123m3

50-Sn-124

Radionuclide Production Cross Section -92.66 To 0.000 %



95

Incident Energy (eV)

50-Sn-124