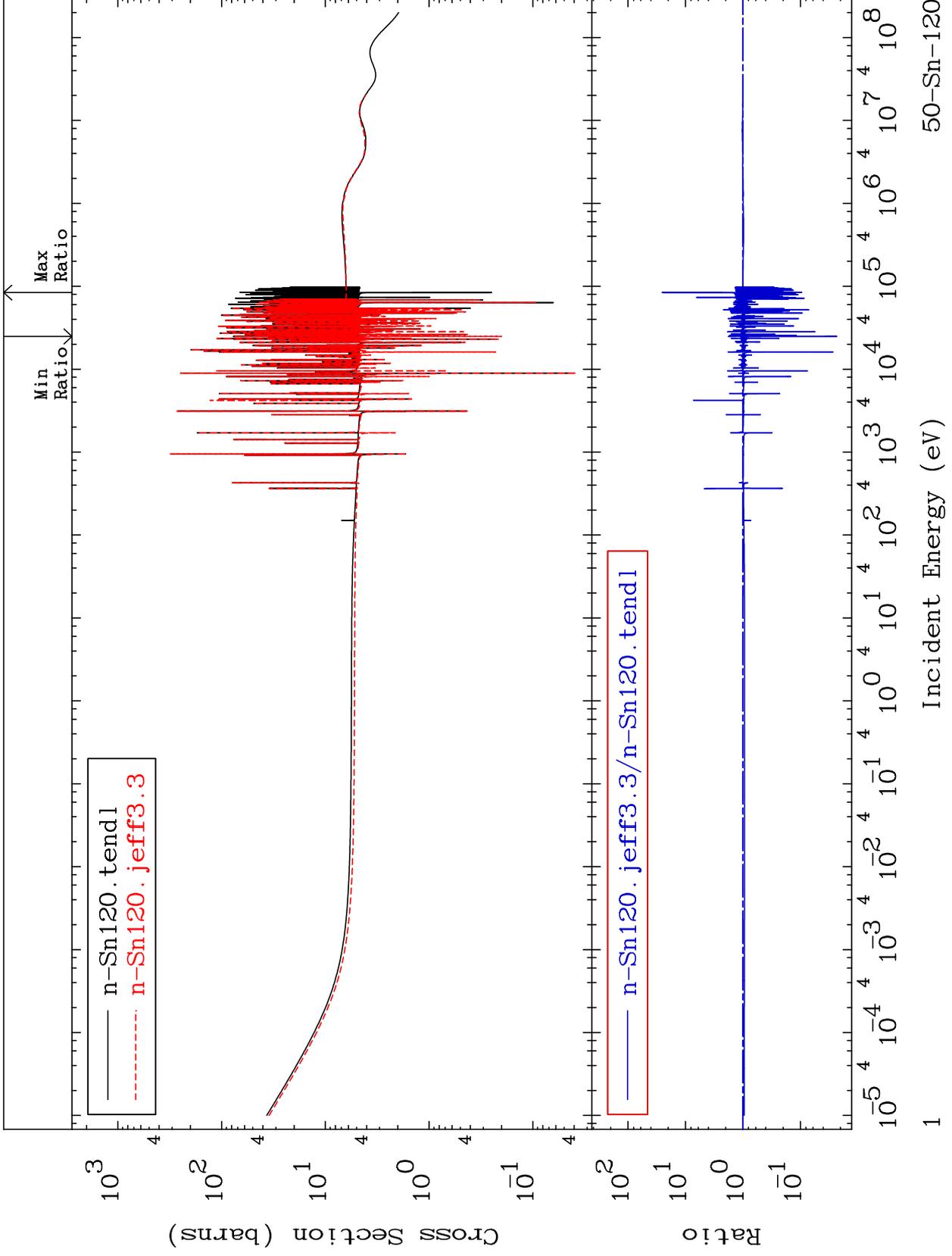


MAT 5049

Total  
Cross Section

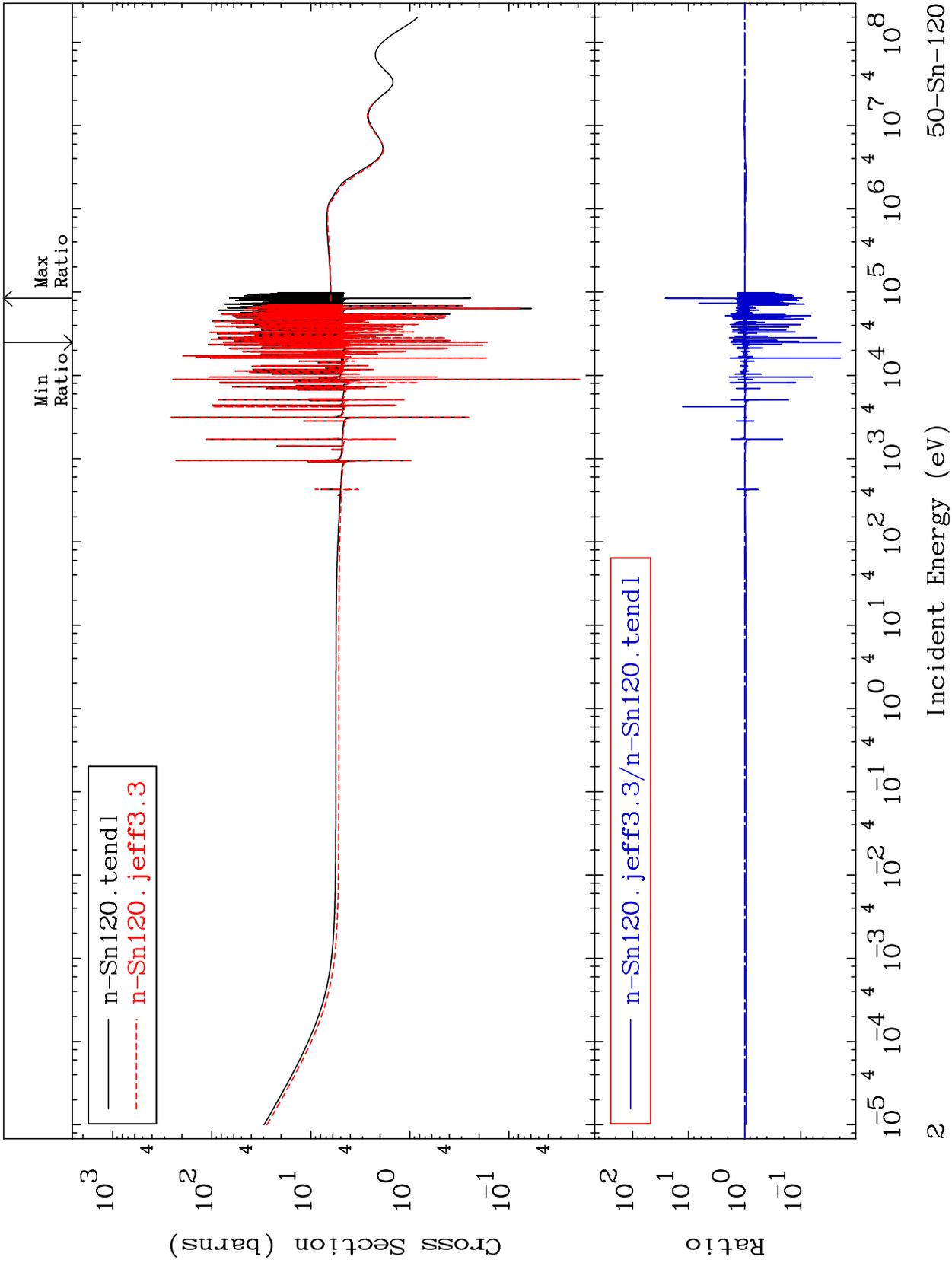
50-Sn-120  
-97.68 To 2426. %



MAT 5049

Elastic  
Cross Section

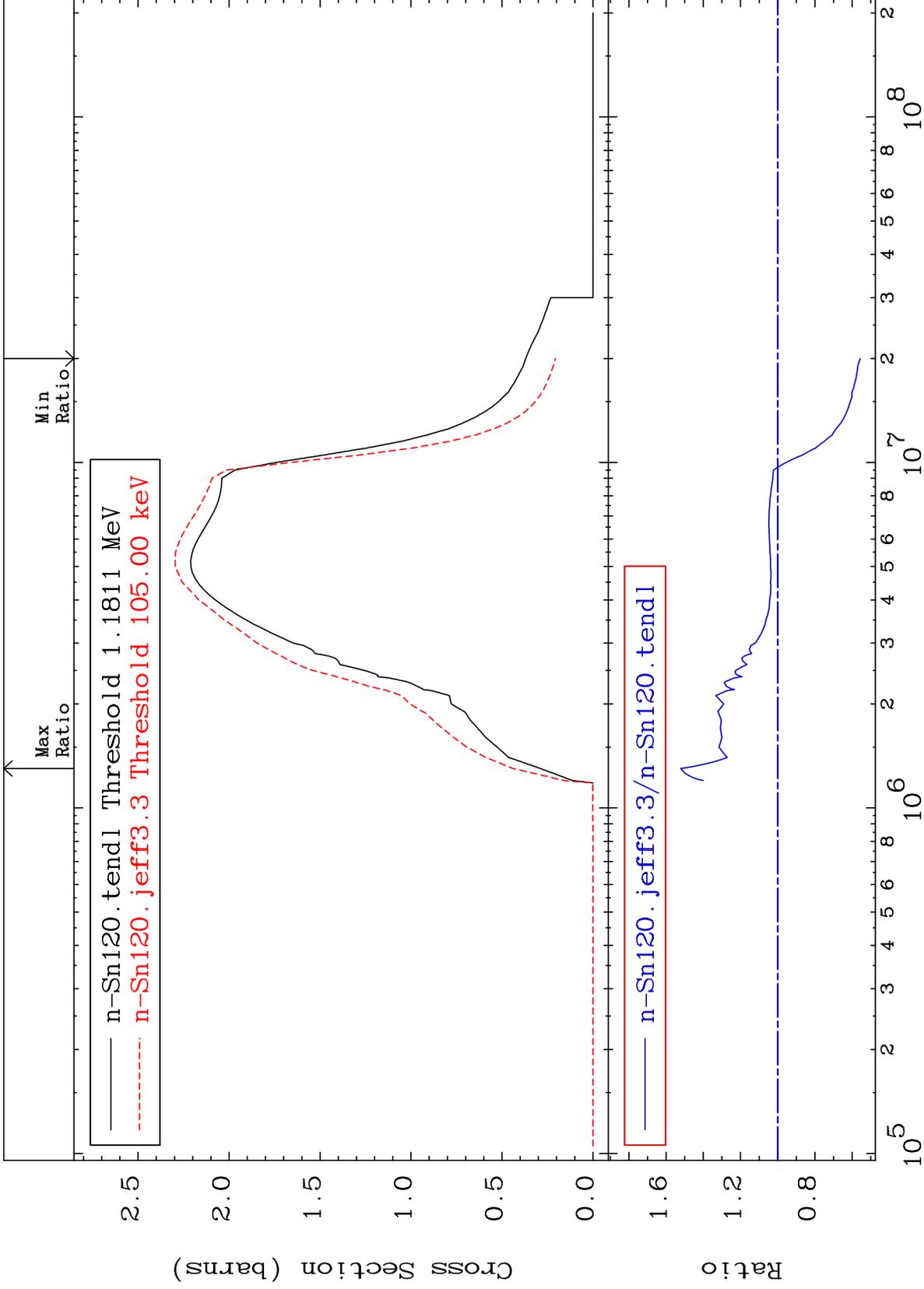
50-Sn-120  
-98.08 To 2482. %



MAT 5049

Inelastic  
Cross Section

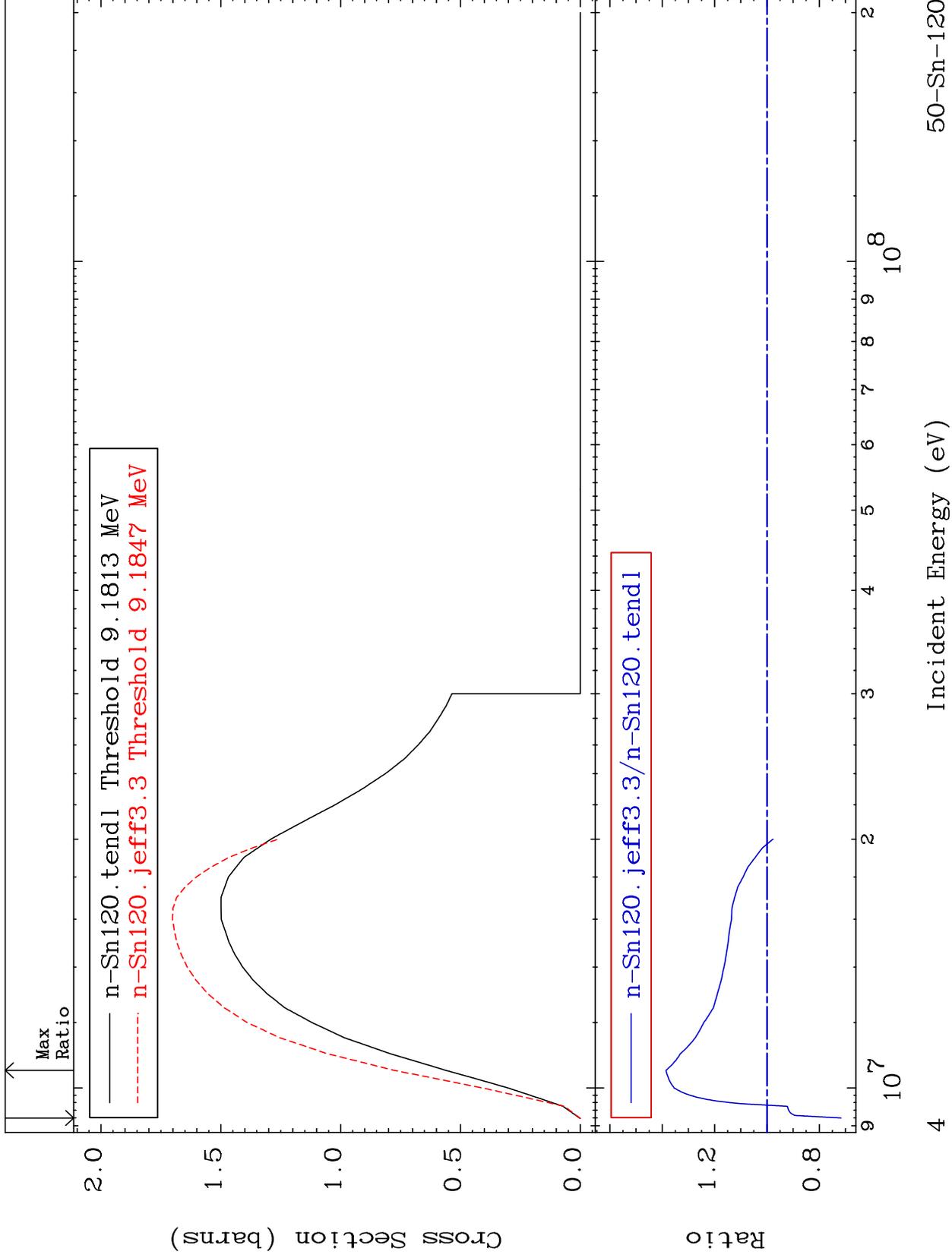
50-Sn-120  
-44.26 To 52.11 %



MAT 5049

(n,2n)  
Cross Section

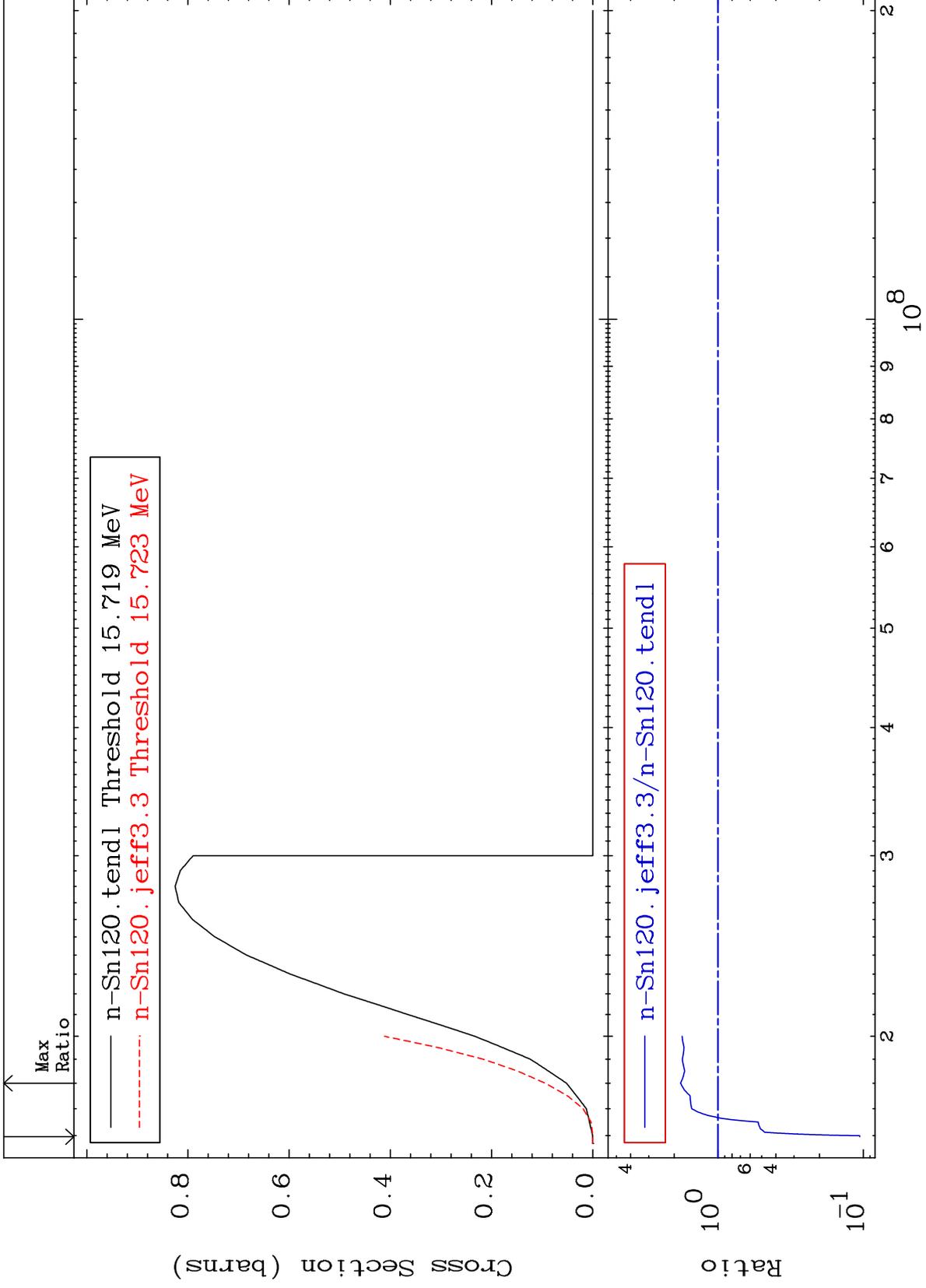
50-Sn-120  
-28.28 To 38.57 %



MAT 5049

(n,3n)  
Cross Section

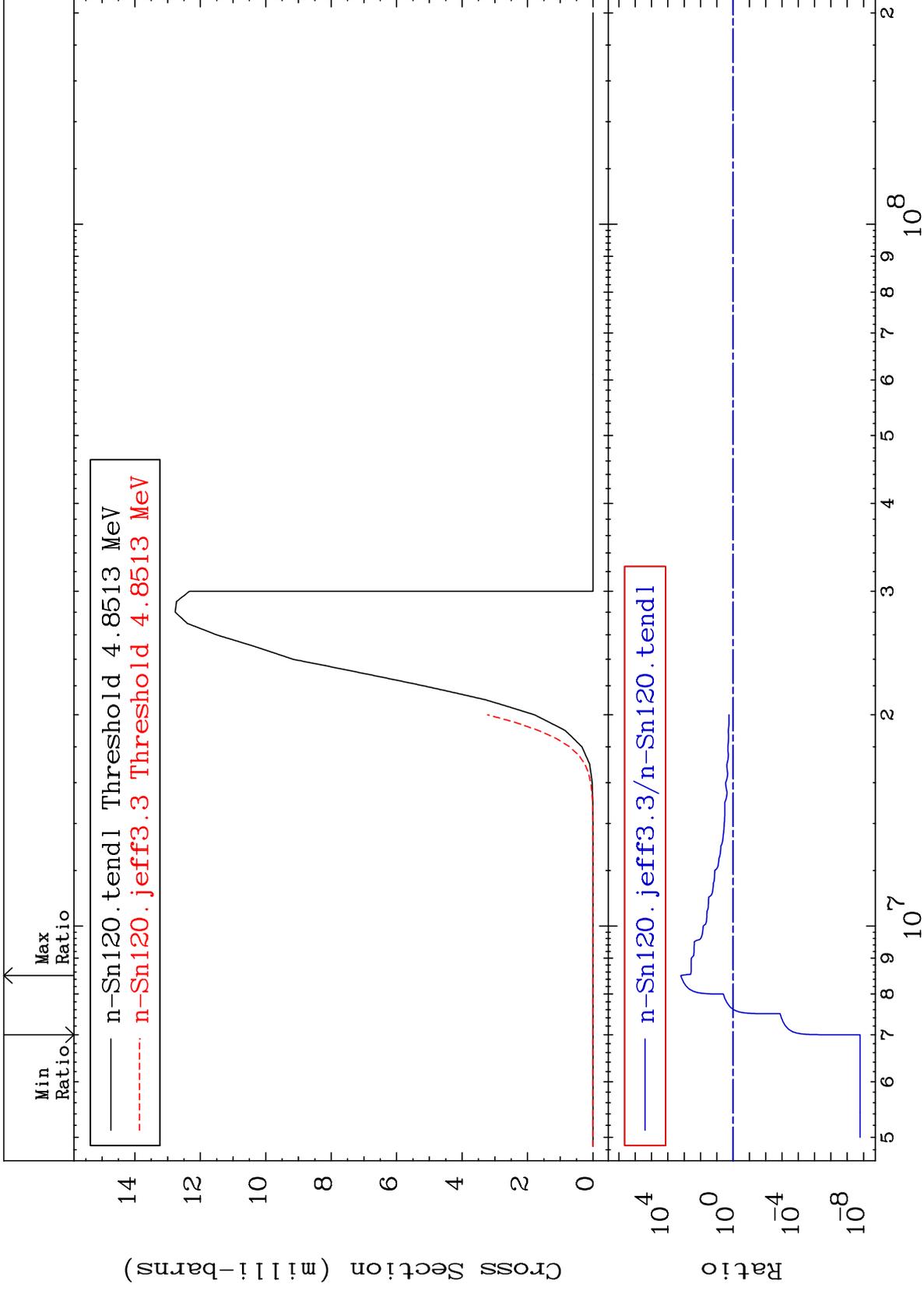
50-Sn-120  
-89.43 To 81.03 %



MAT 5049

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

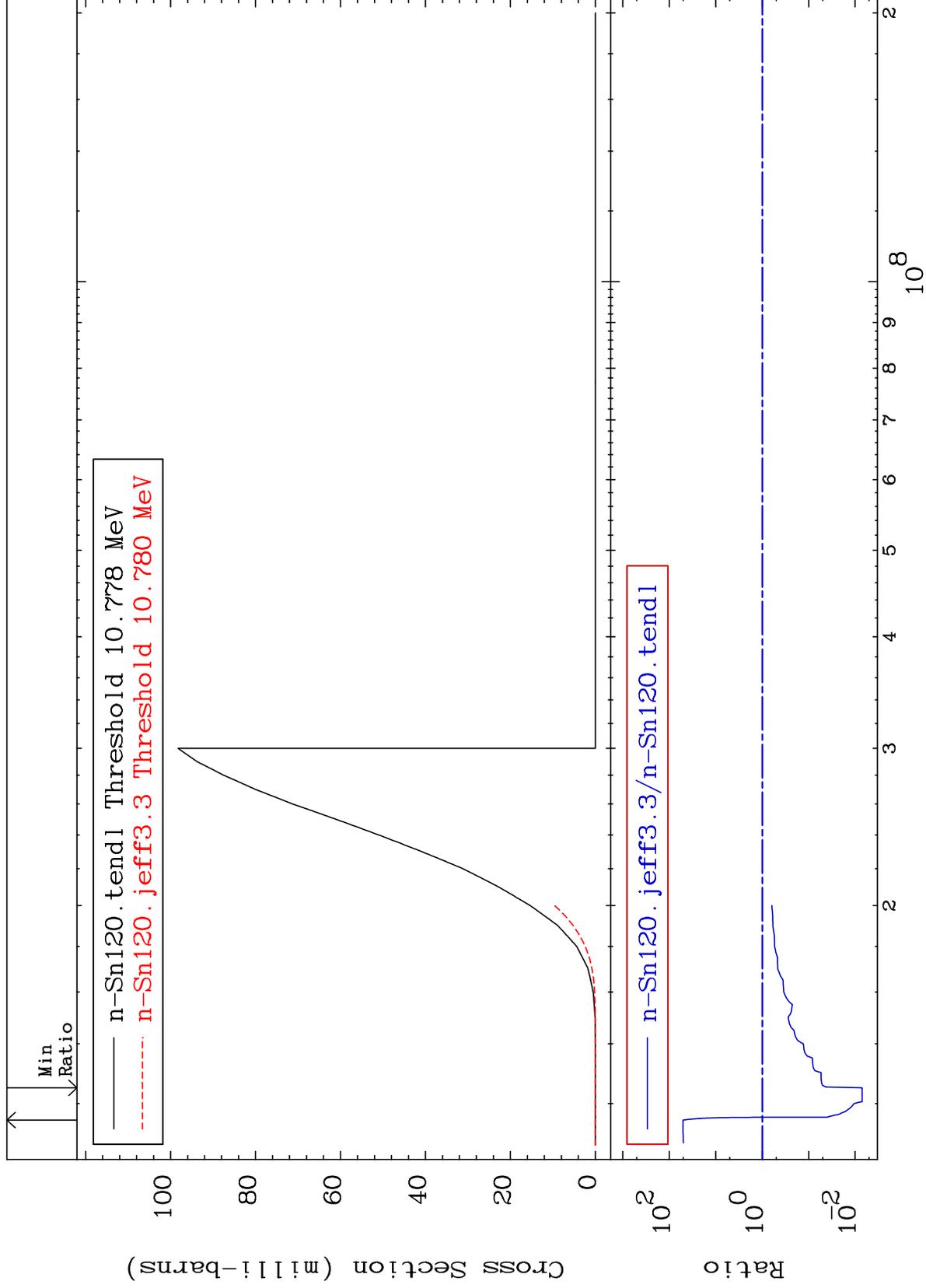
50-Sn-120  
-100.0 To 9999. %



MAT 5049

(n,n') p  
Cross Section

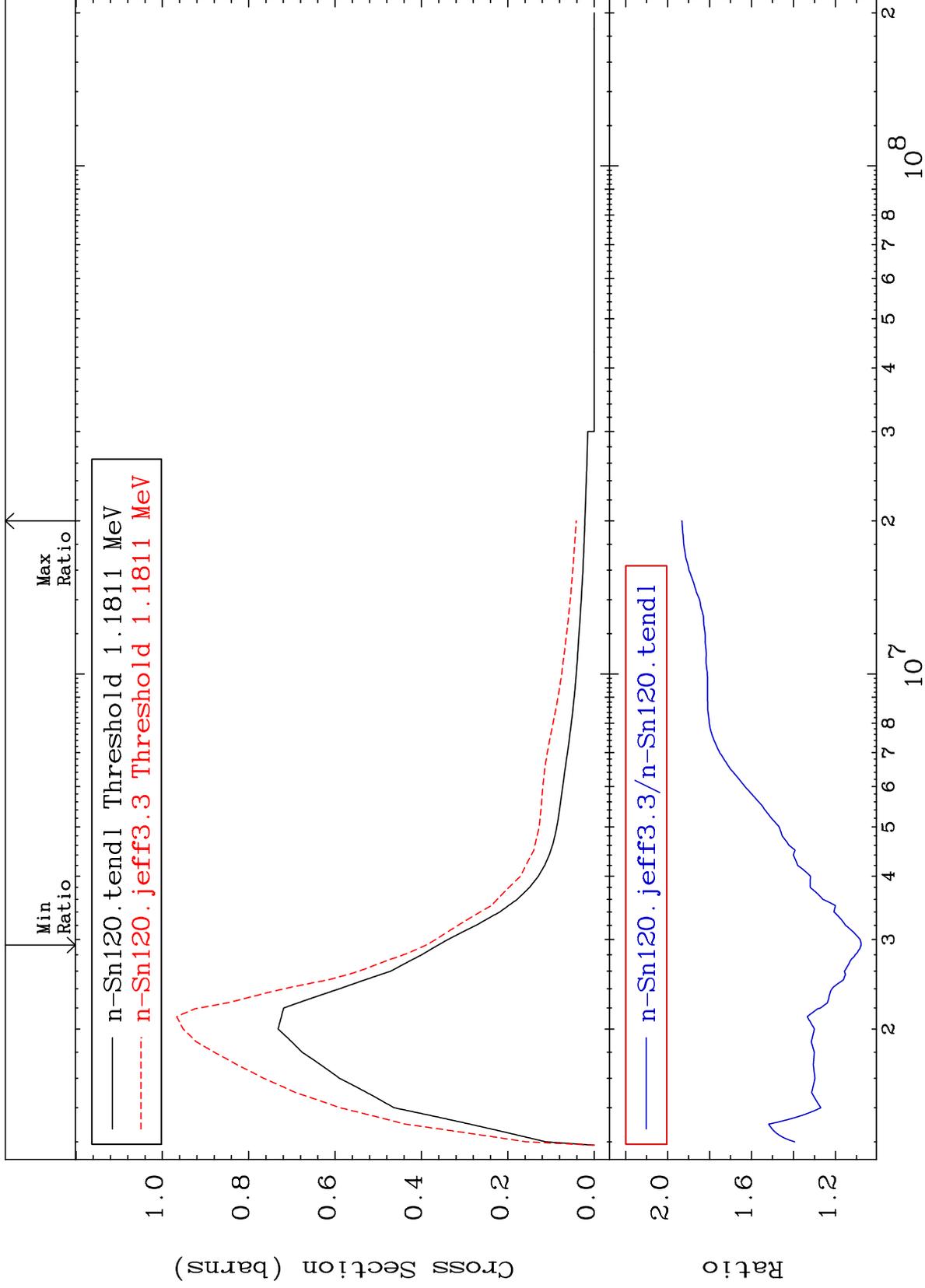
50-Sn-120  
-99.29 To 4944. %



MAT 5049

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

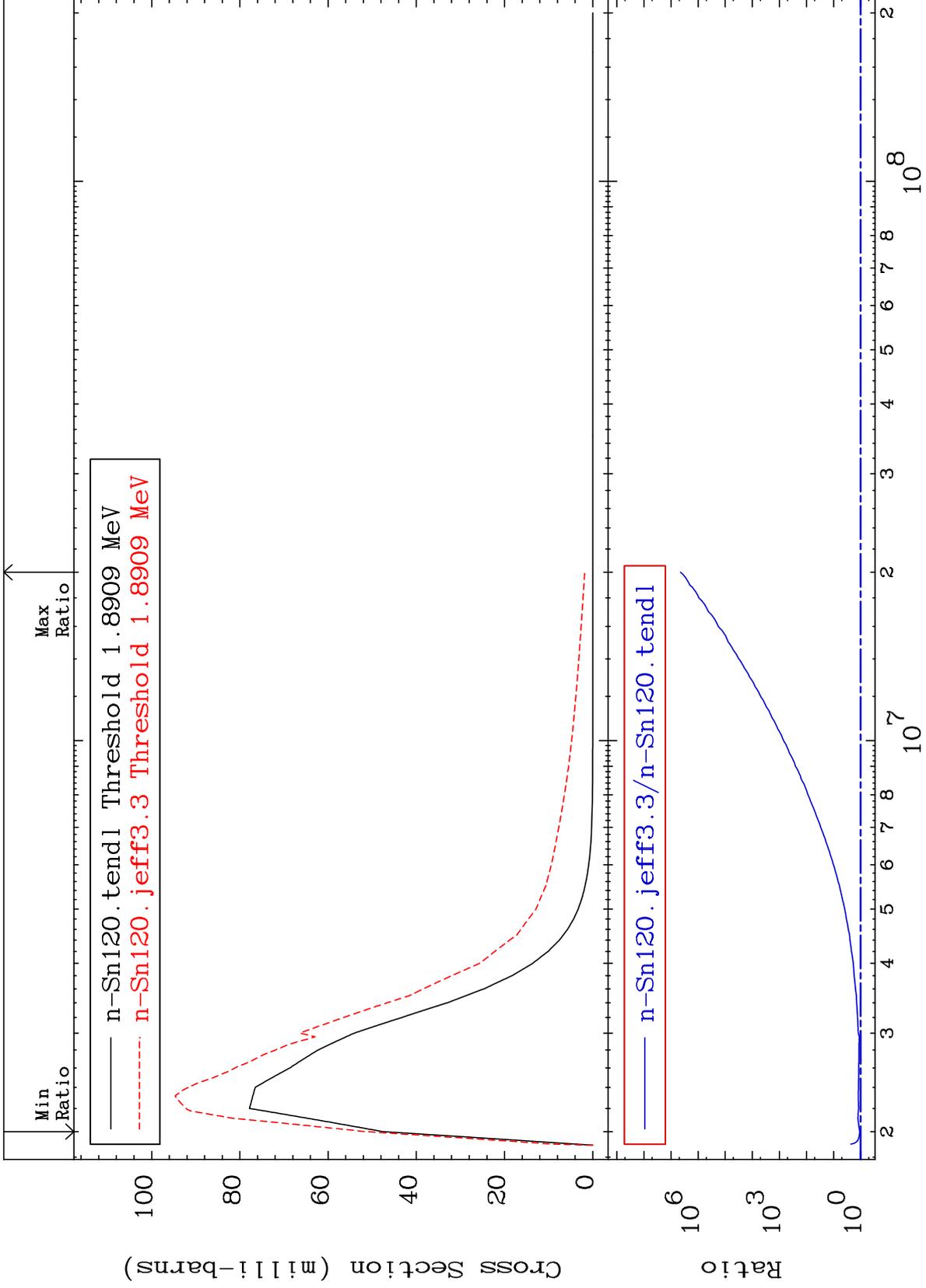
50-Sn-120  
7.773 To 93.19 %



MAT 5049

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

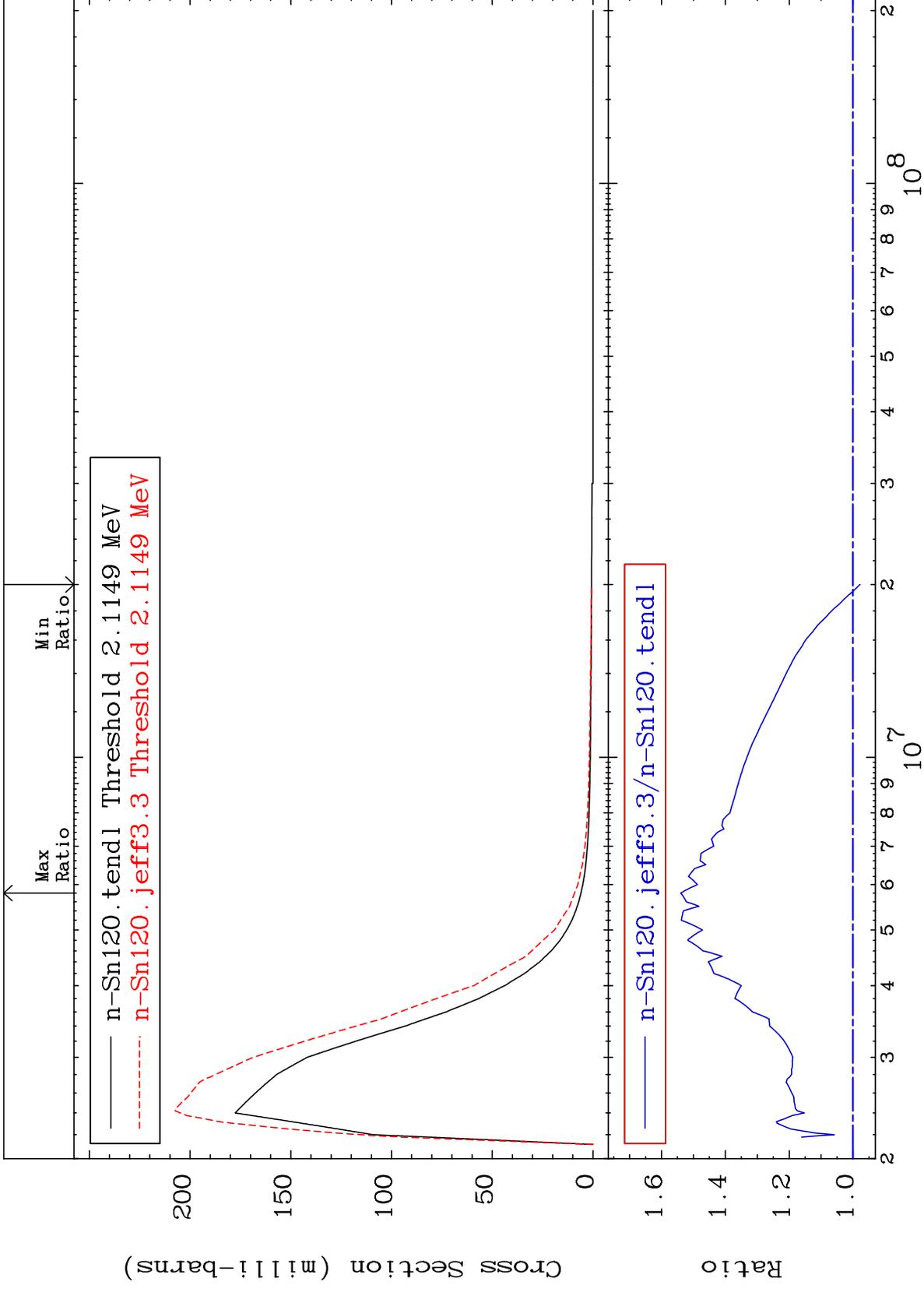
50-Sn-120  
To 9999. %  
8.020



MAT 5049

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

50-Sn-120  
-2.205 To 53.97 %



10

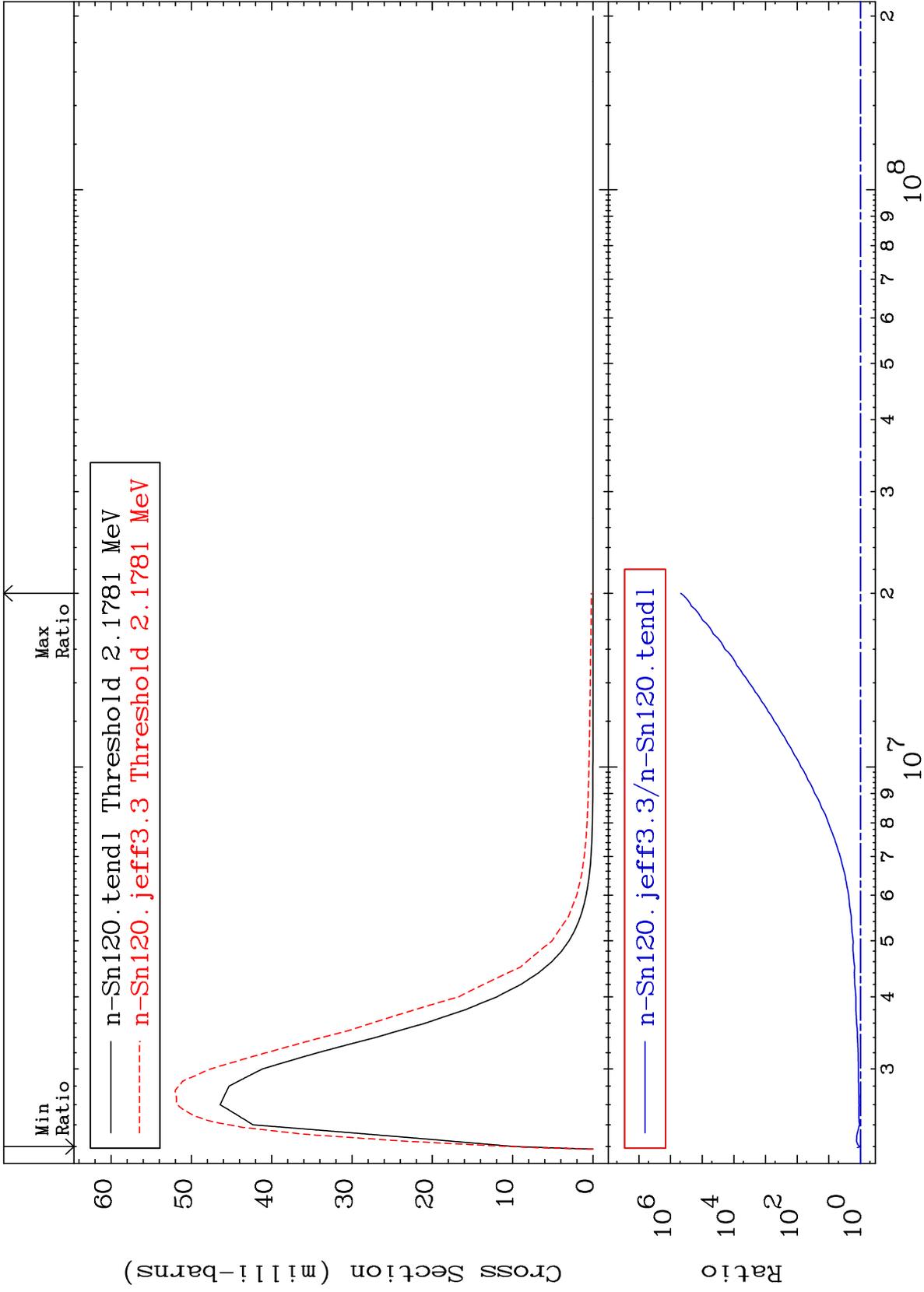
Incident Energy (eV)

50-Sn-120

MAT 5049

MT= 54 (n,n') Level  
Cross Section

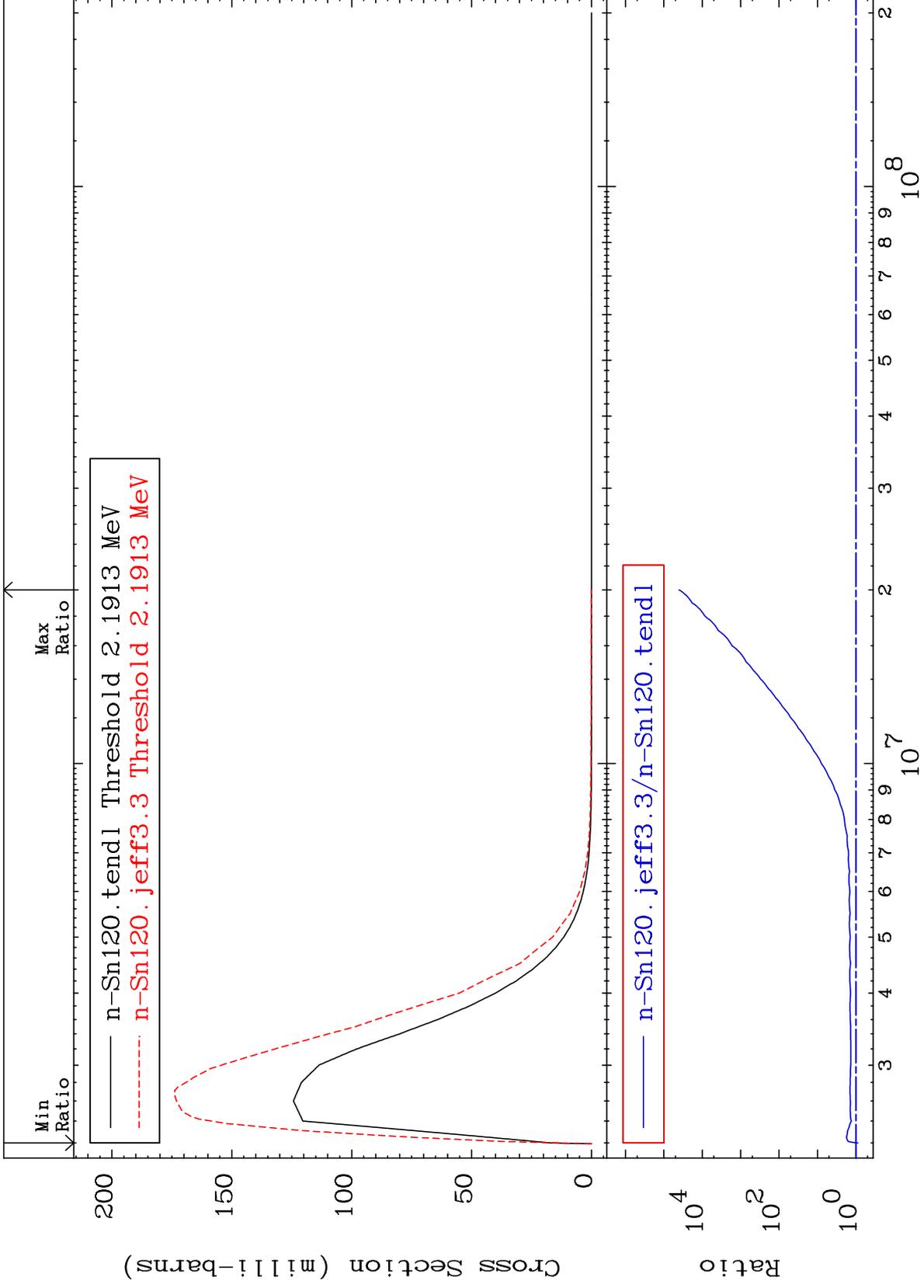
50-Sn-120  
To 9999. %  
2.729



MAT 5049

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

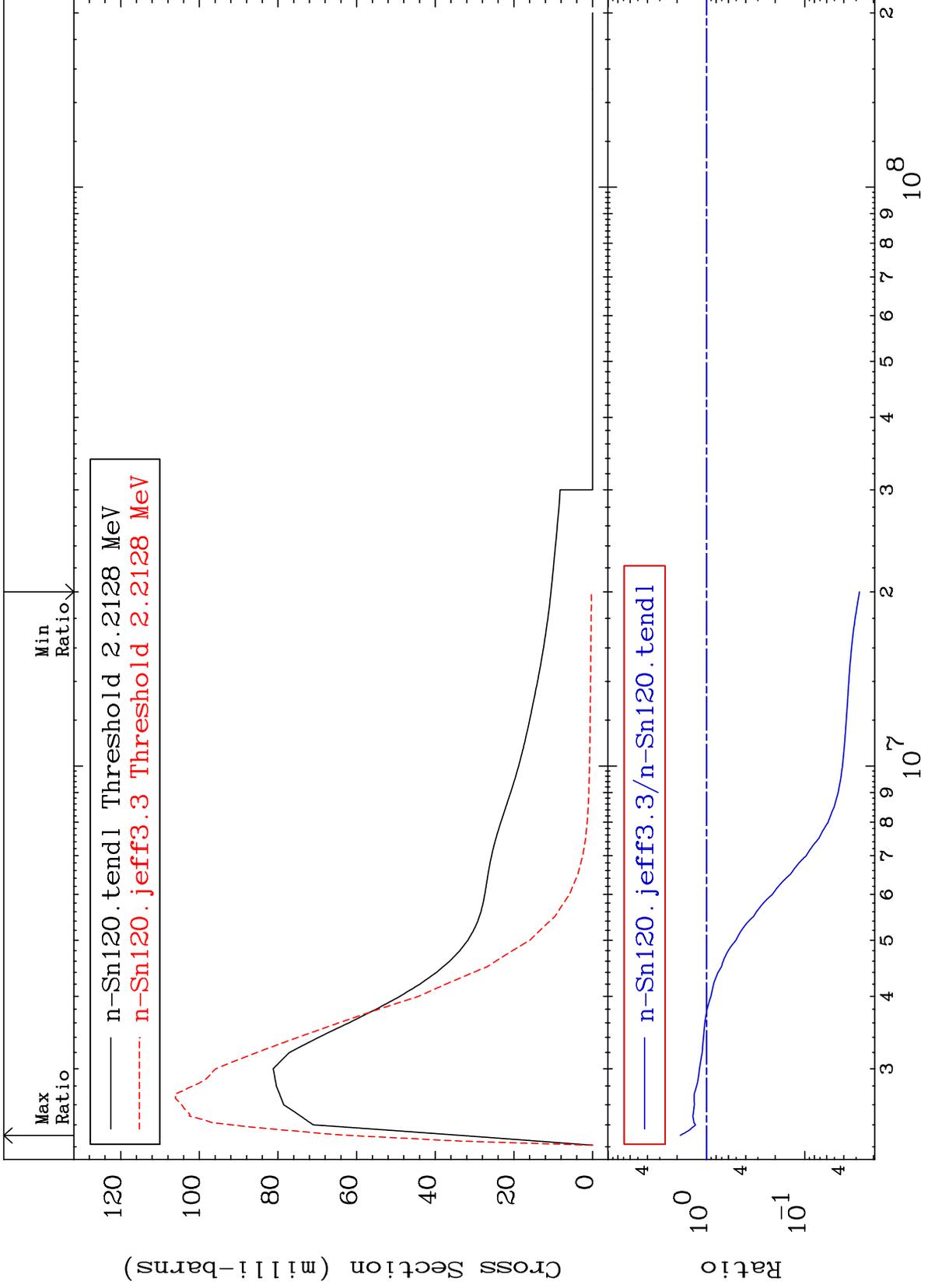
50-Sn-120  
-11.65 To 9999. %



MAT 5049

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

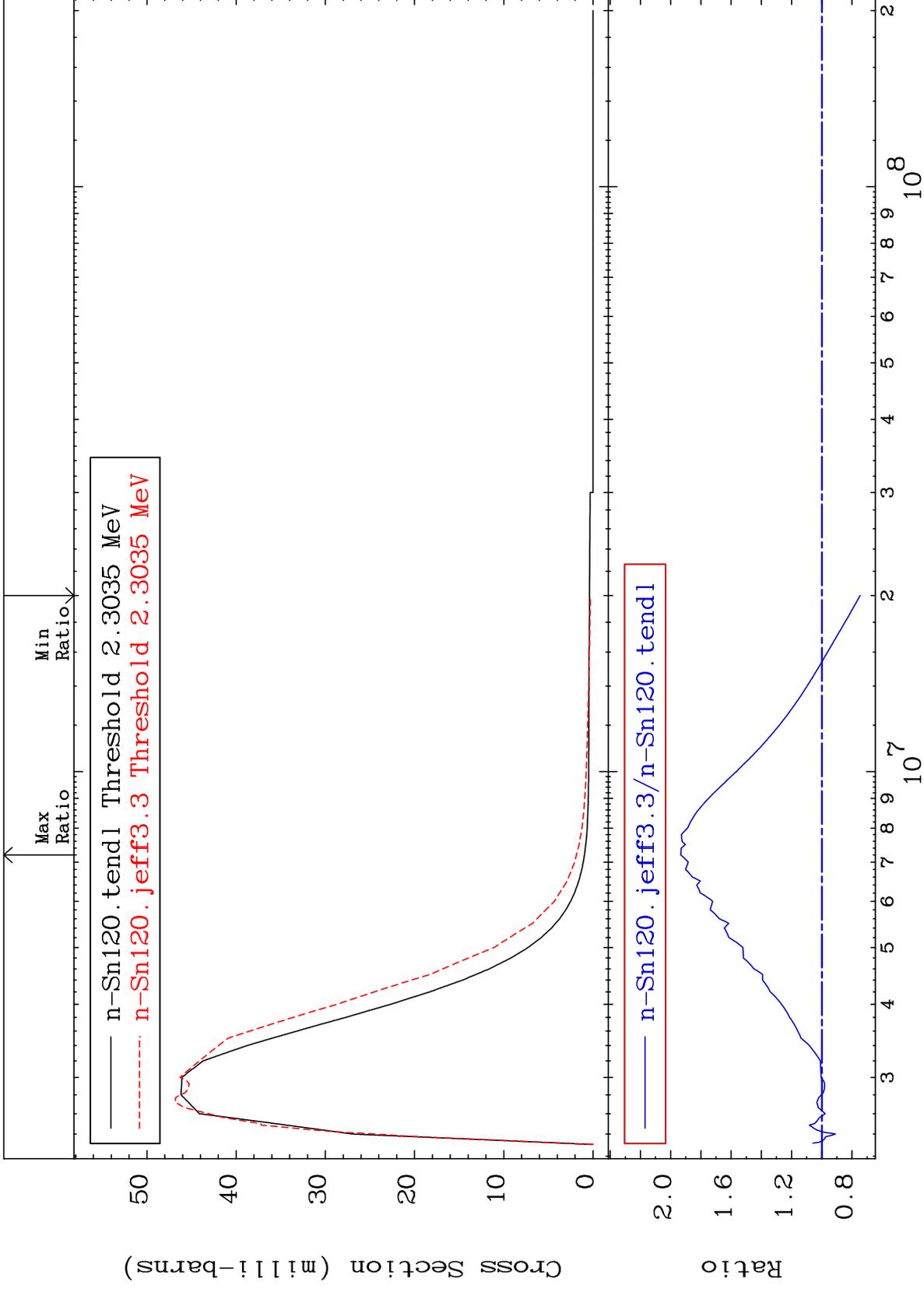
50-Sn-120  
-97.22 To 85.22 %



MAT 5049

MT= 57 (n,n') Level  
Cross Section

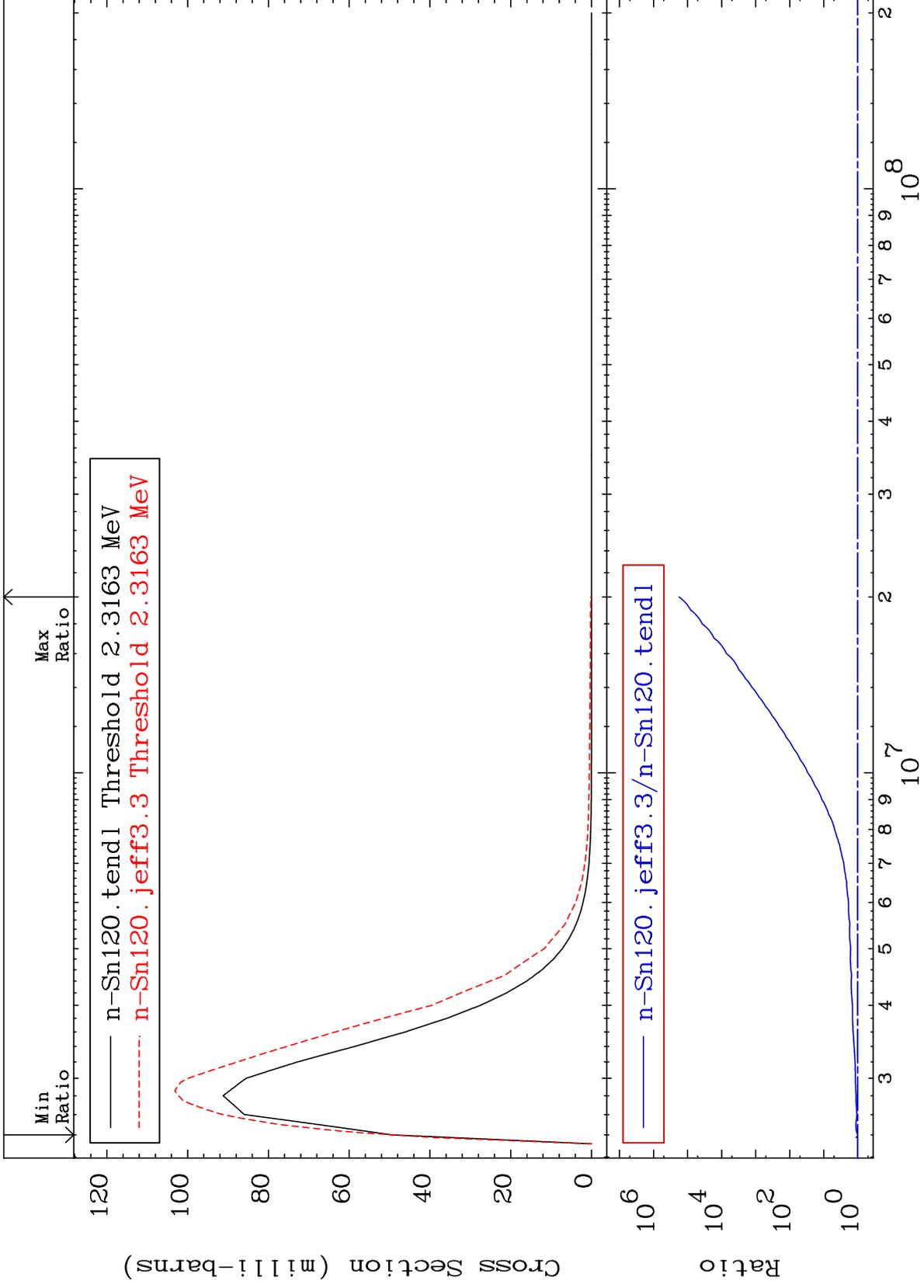
50-Sn-120  
-25.34 To 93.31 %



MAT 5049

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

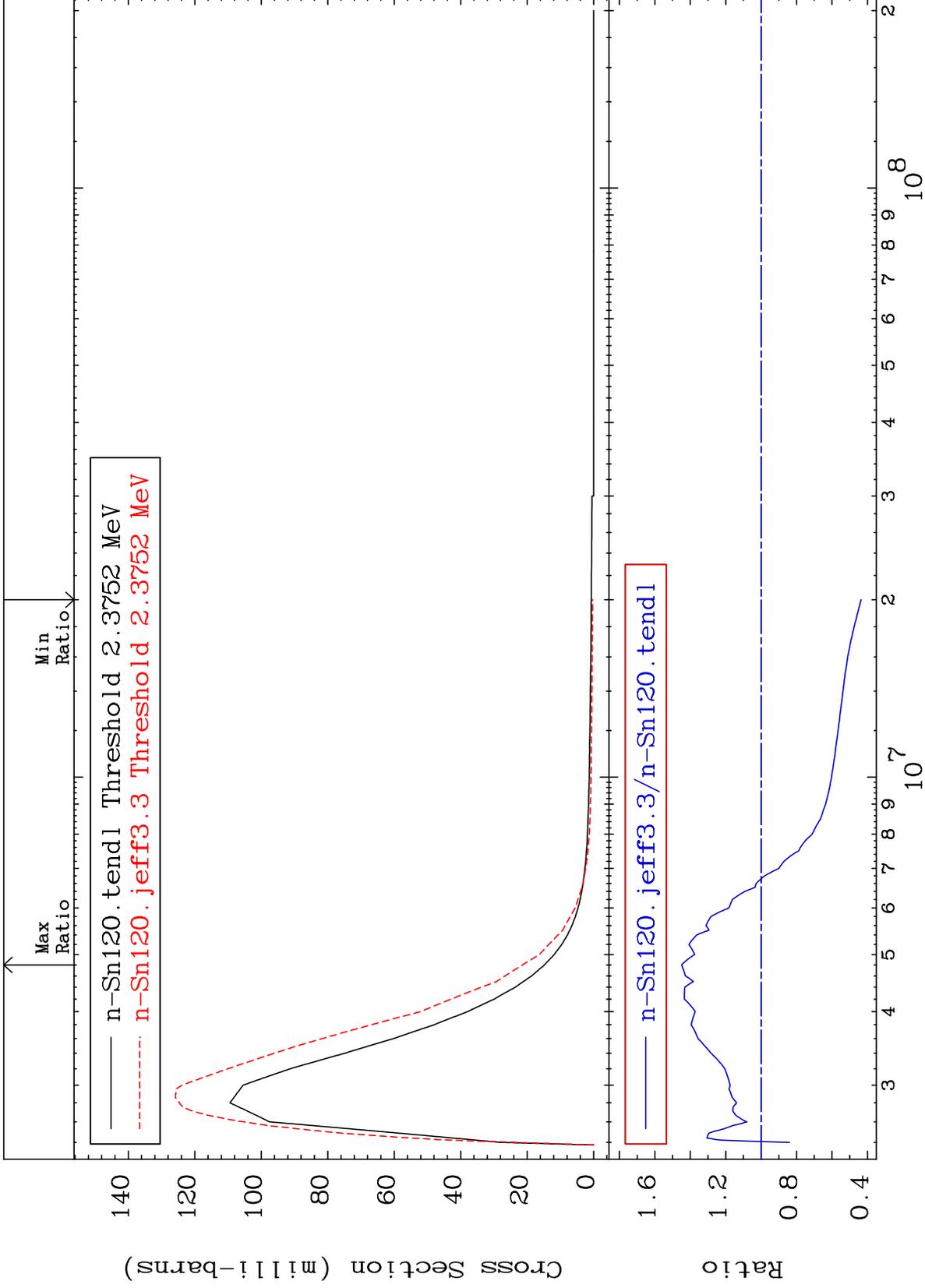
50-Sn-120  
-0.792 To 9999. %



MAT 5049

MT= 59 (n,n') Level  
Cross Section

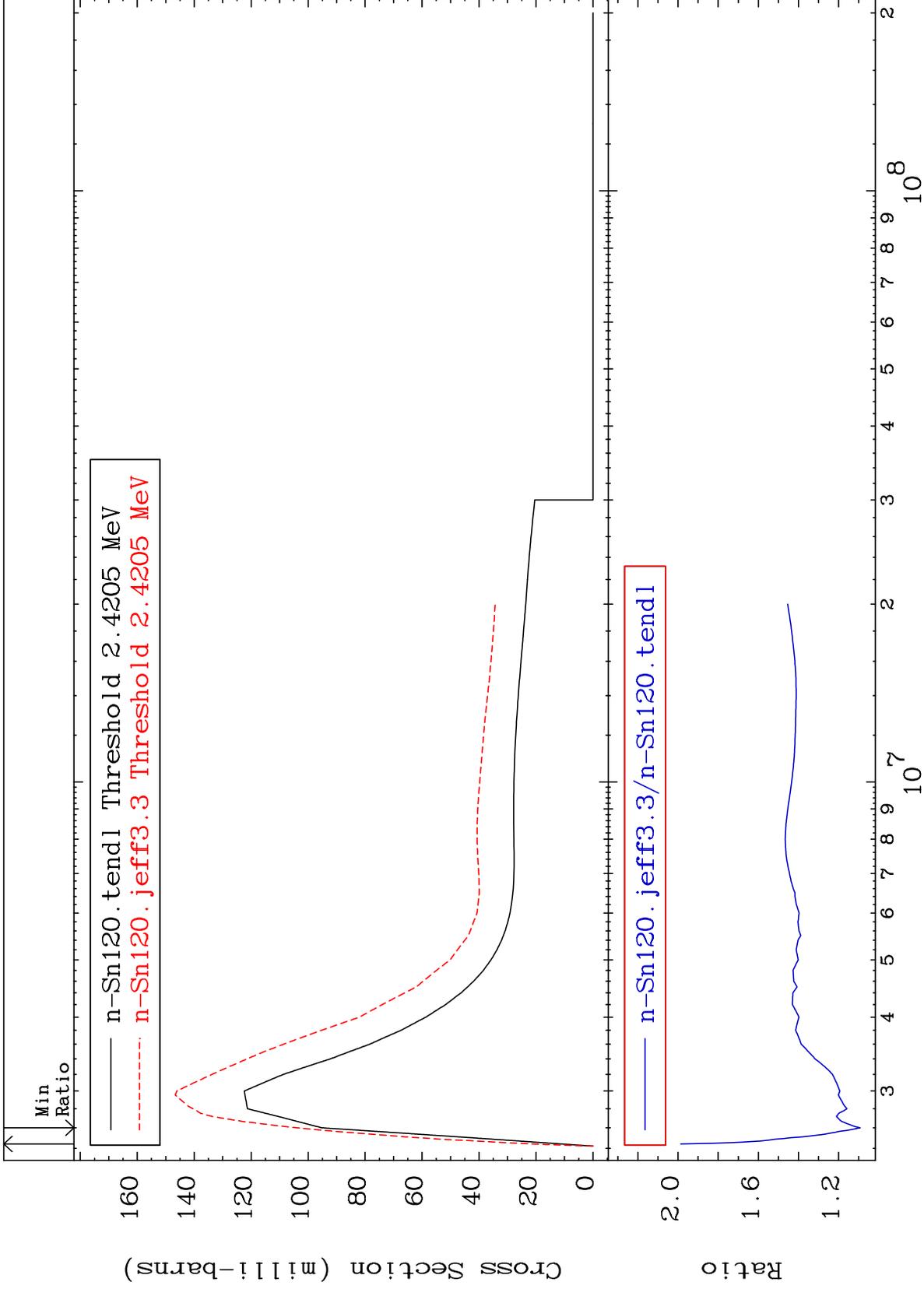
50-Sn-120  
-56.40 To 44.95 %



MAT 5049

MT= 60 (n,n') Level  
Cross Section

50-Sn-120  
To 98.66 %



17

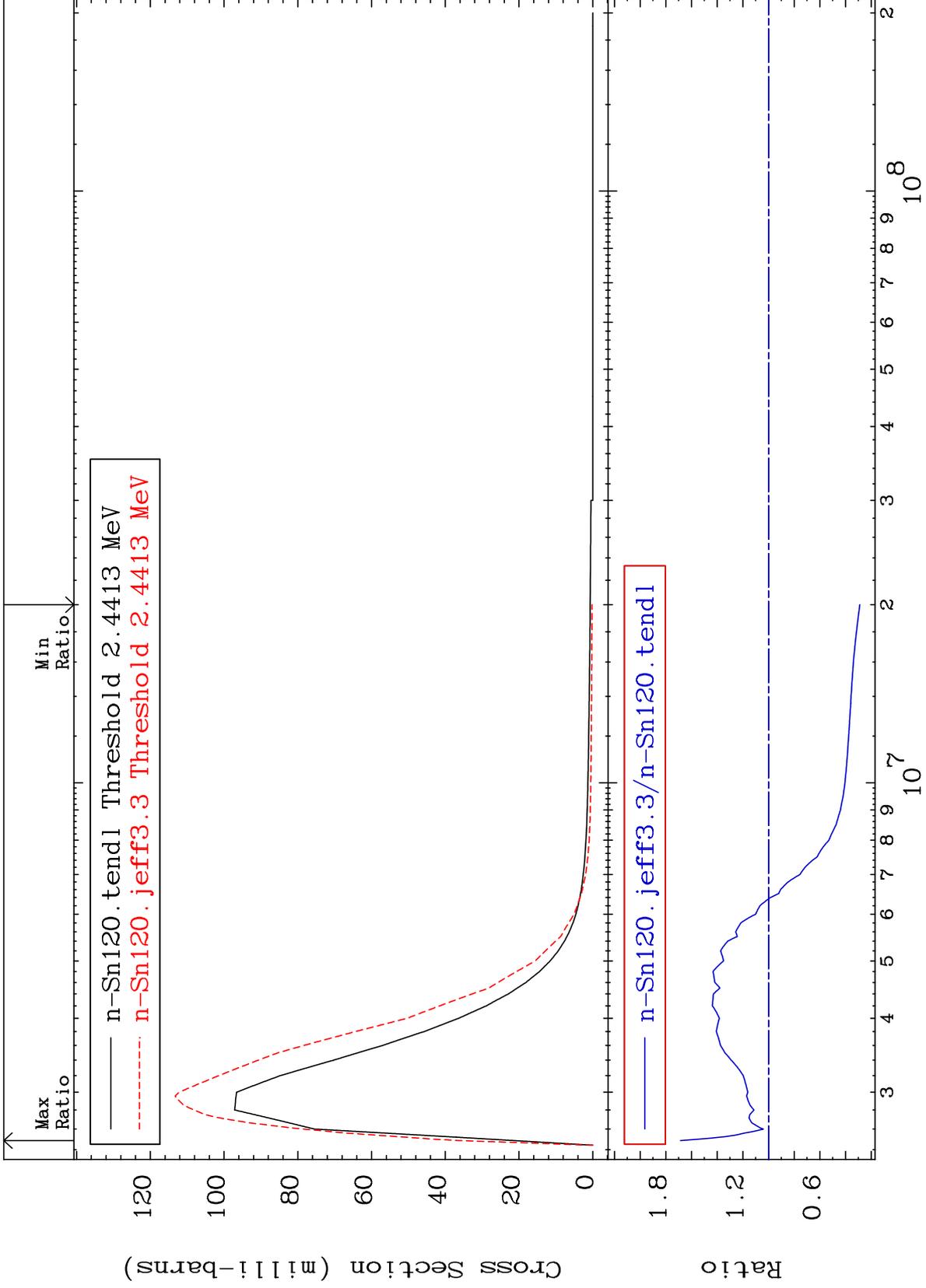
Incident Energy (eV)

50-Sn-120

MAT 5049

MT= 61 (n,n') Level  
Cross Section

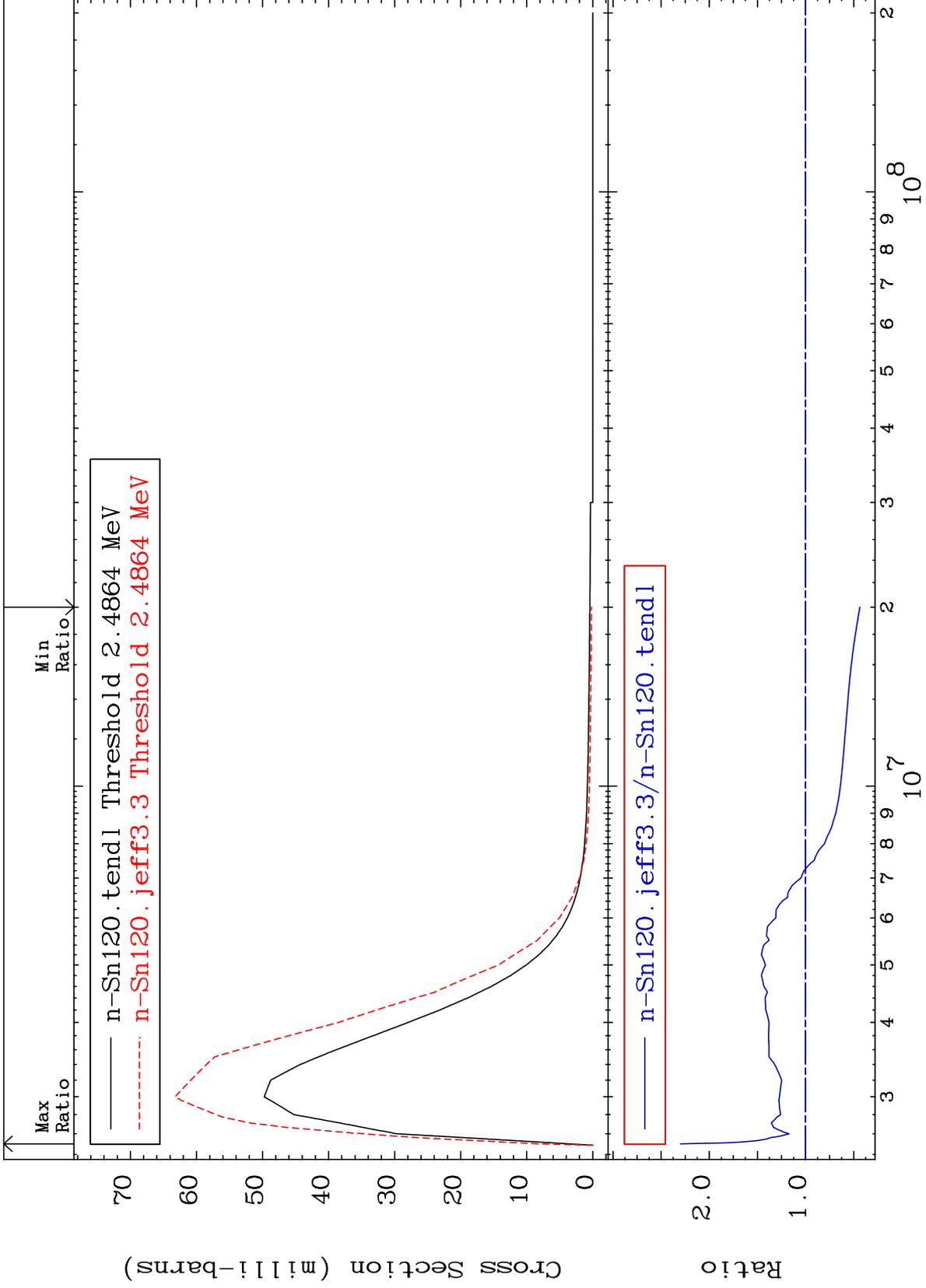
50-Sn-120  
-71.11 To 68.52 %



MAT 5049

MT= 62 (n,n') Level  
Cross Section

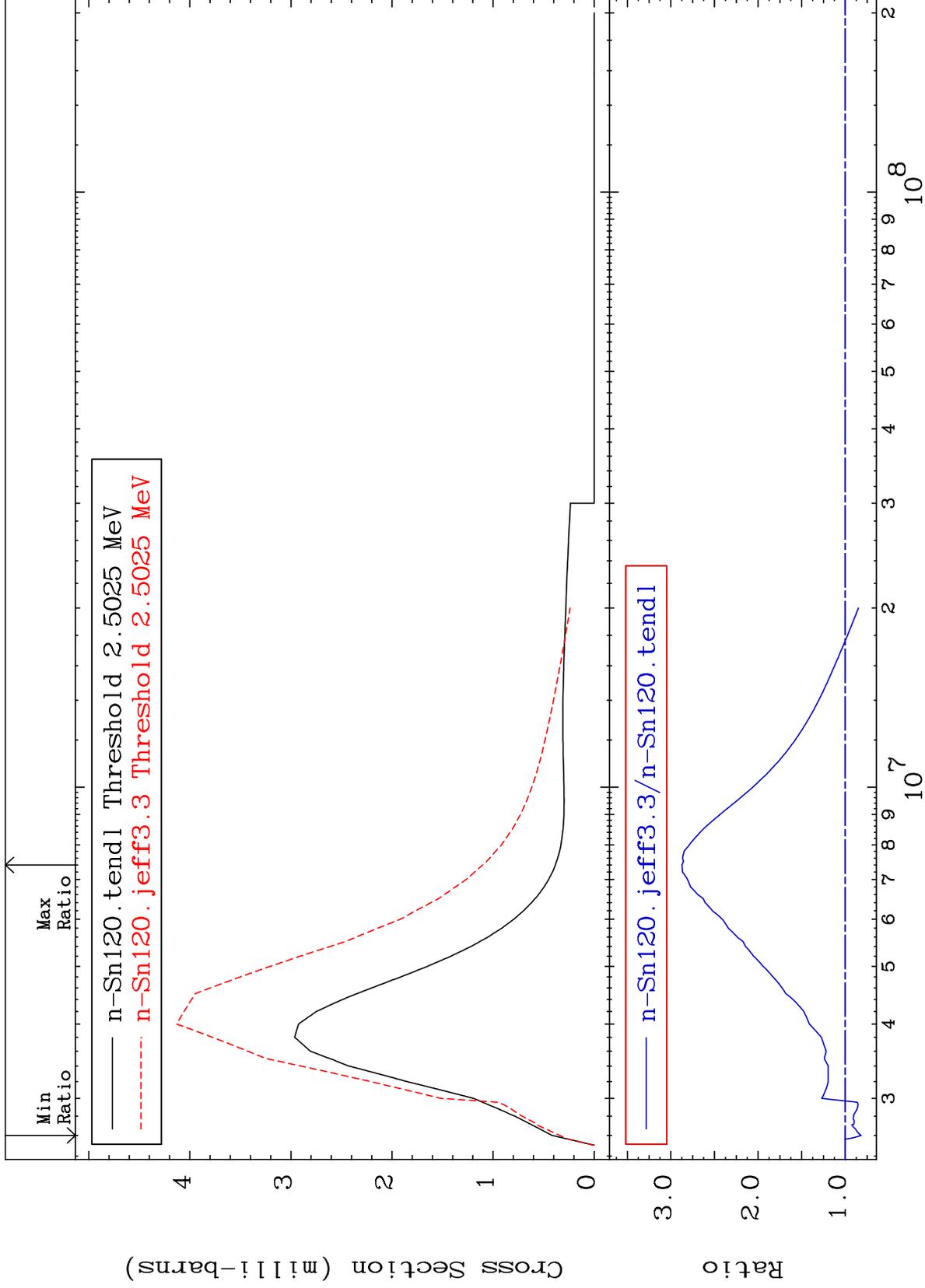
50-Sn-120  
-56.34 To 129.9 %



MAT 5049

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

50-Sn-120  
-18.09 To 187.4 %



20

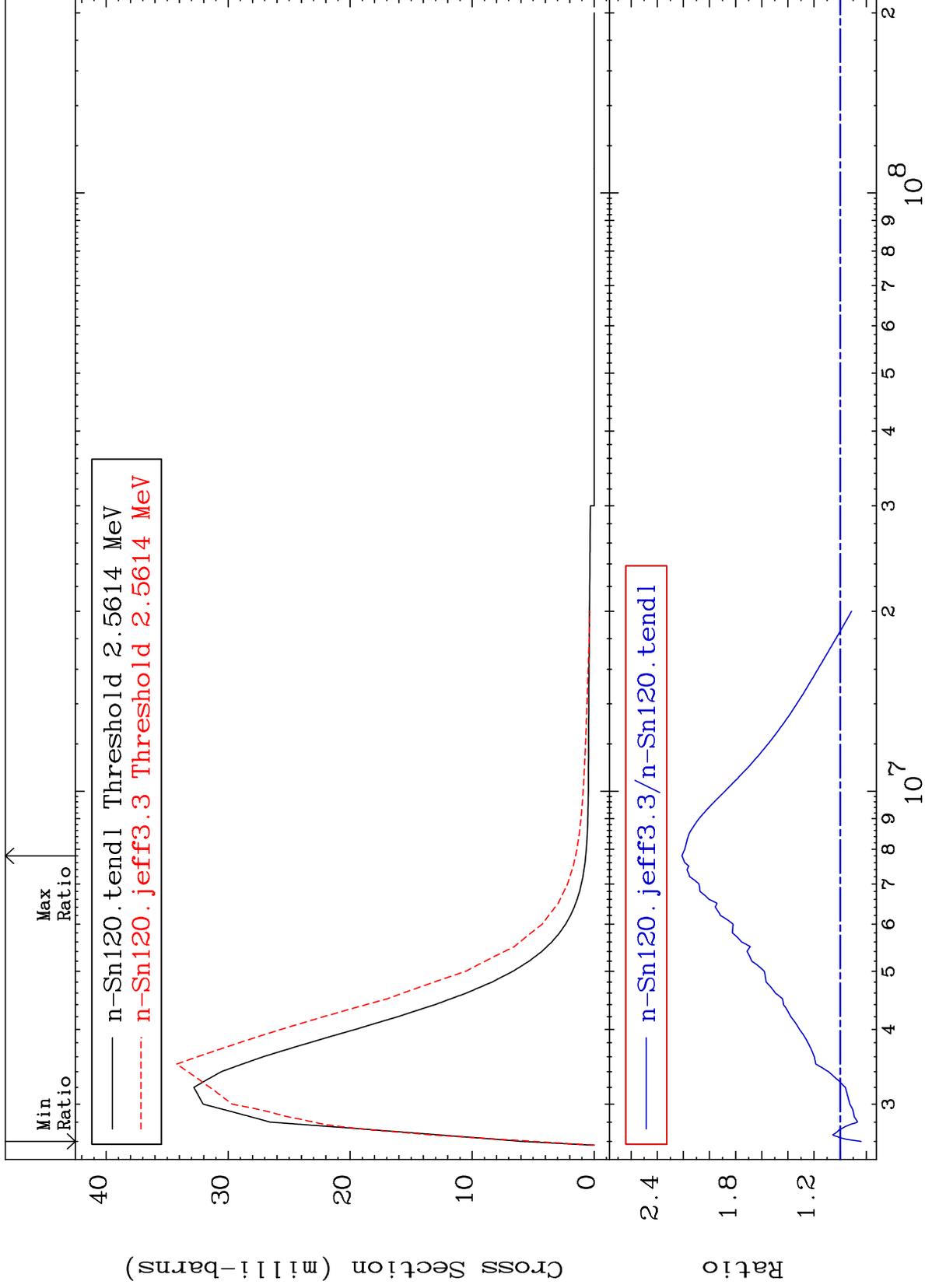
Incident Energy (eV)

50-Sn-120

MAT 5049

MT= 64 (n,n') Level  
Cross Section

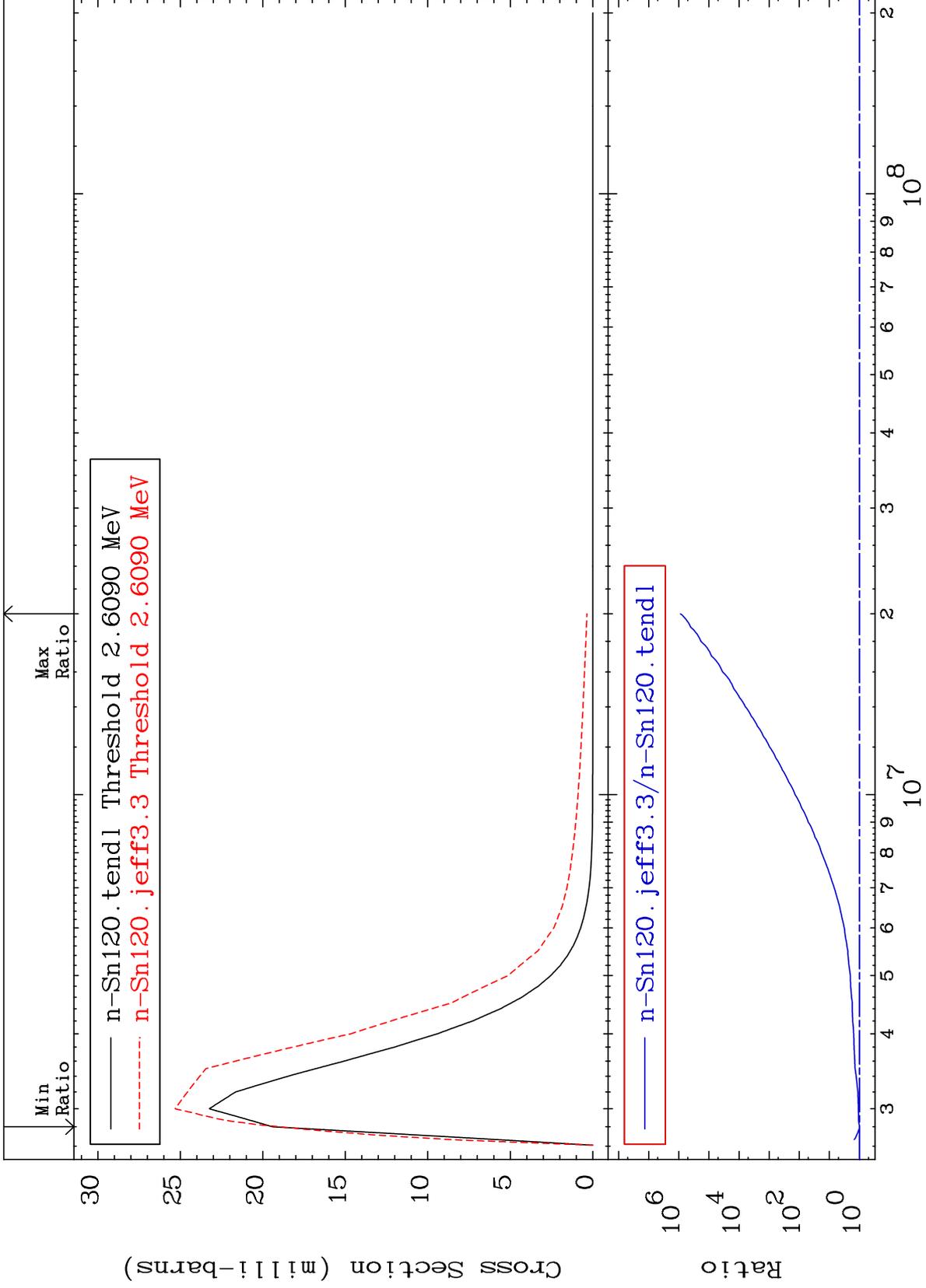
50-Sn-120  
-16.05 To 121.1 %



MAT 5049

MT= 65 (n,n') Level  
Cross Section

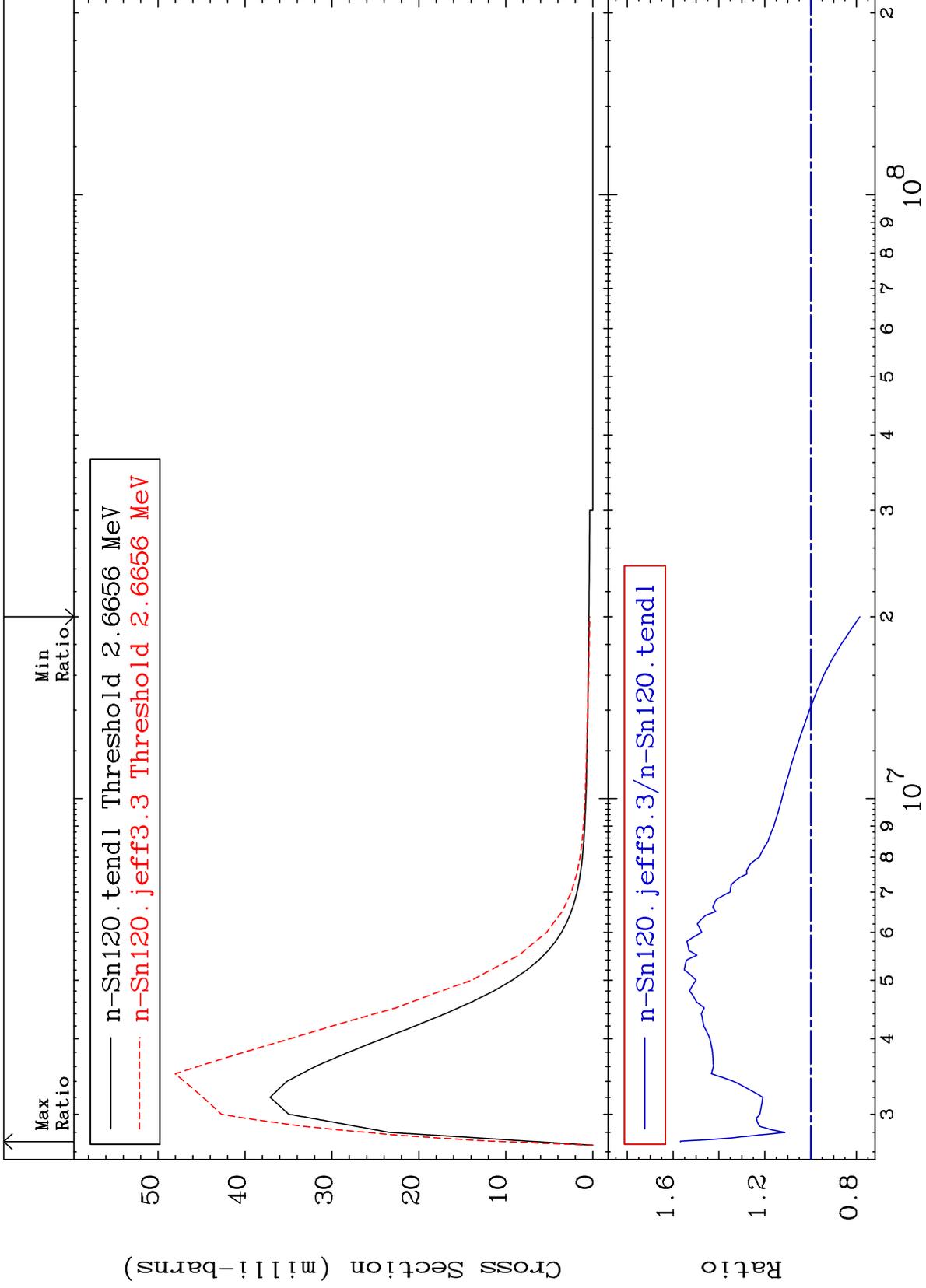
50-Sn-120  
-2.281 To 9999. %



MAT 5049

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

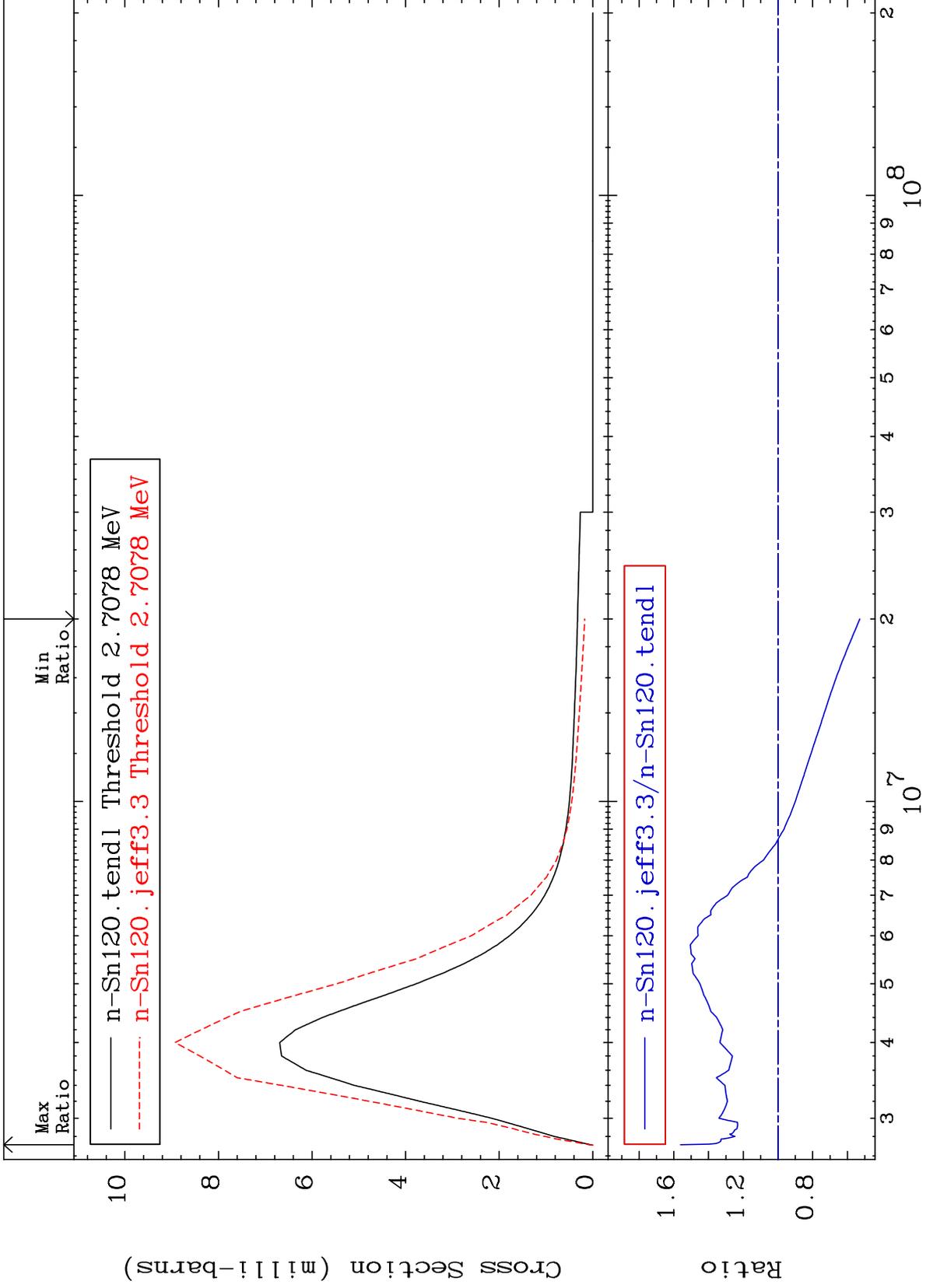
50-Sn-120  
-21.43 To 56.77 %



MAT 5049

MT= 67 (n,n') Level  
Cross Section

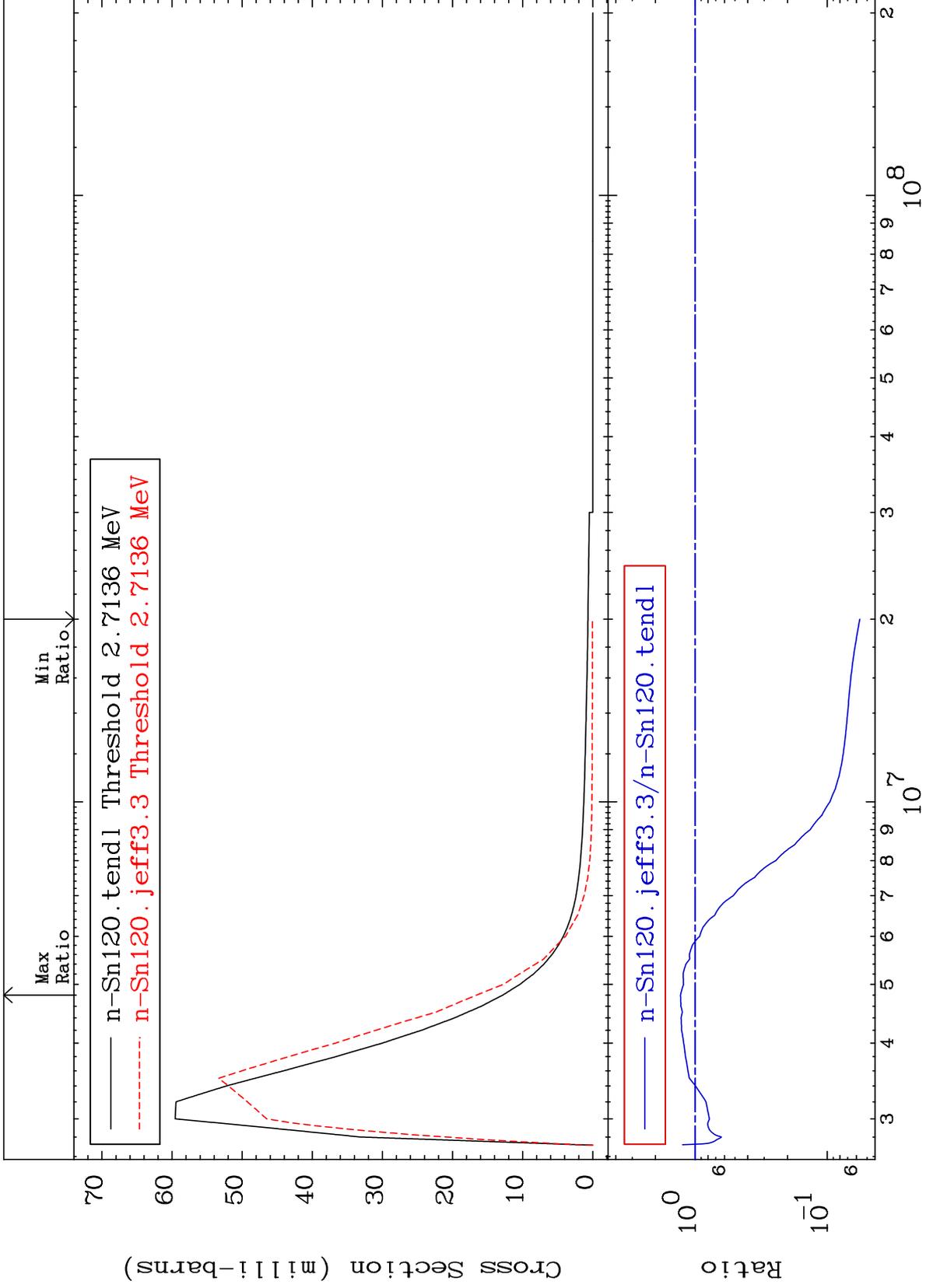
50-Sn-120  
-47.12 To 56.13 %



MAT 5049

MT= 68 (n,n') Level  
Cross Section

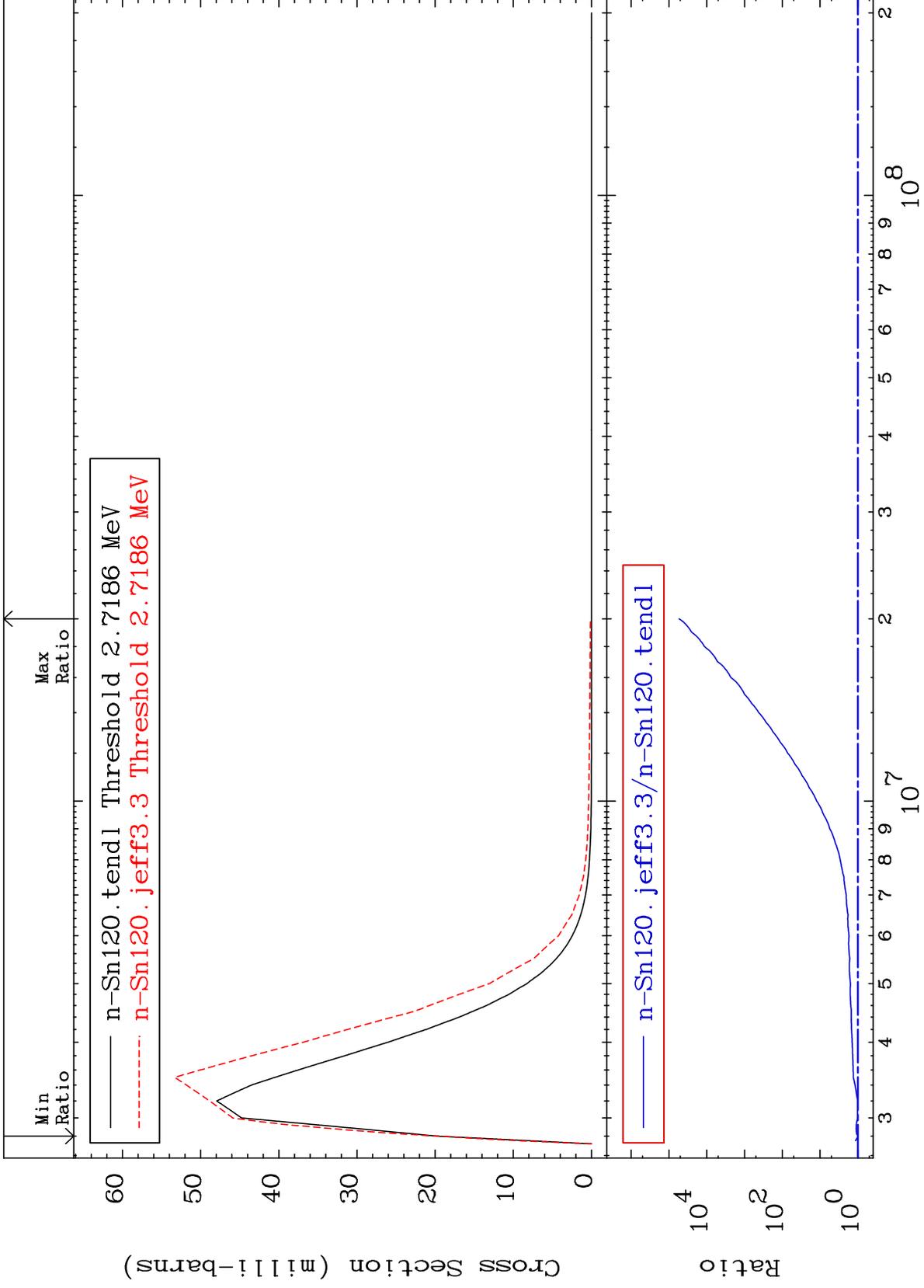
50-Sn-120  
-94.33 To 29.16 %



MAT 5049

MT= 69 (n,n') Level  
Cross Section

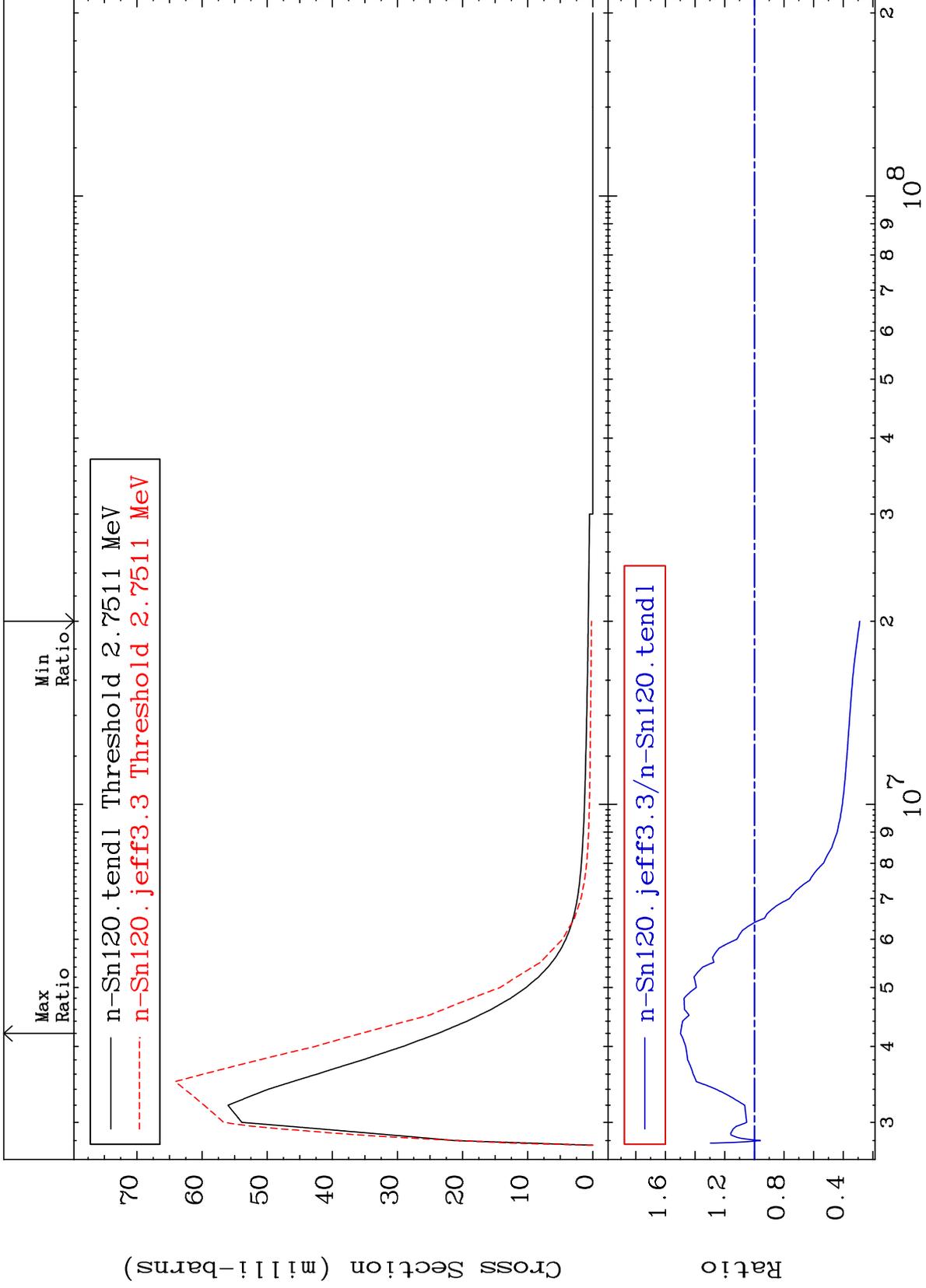
50-Sn-120  
-0.147 To 9999. %



MAT 5049

MT= 70 (n,n') Level  
Cross Section

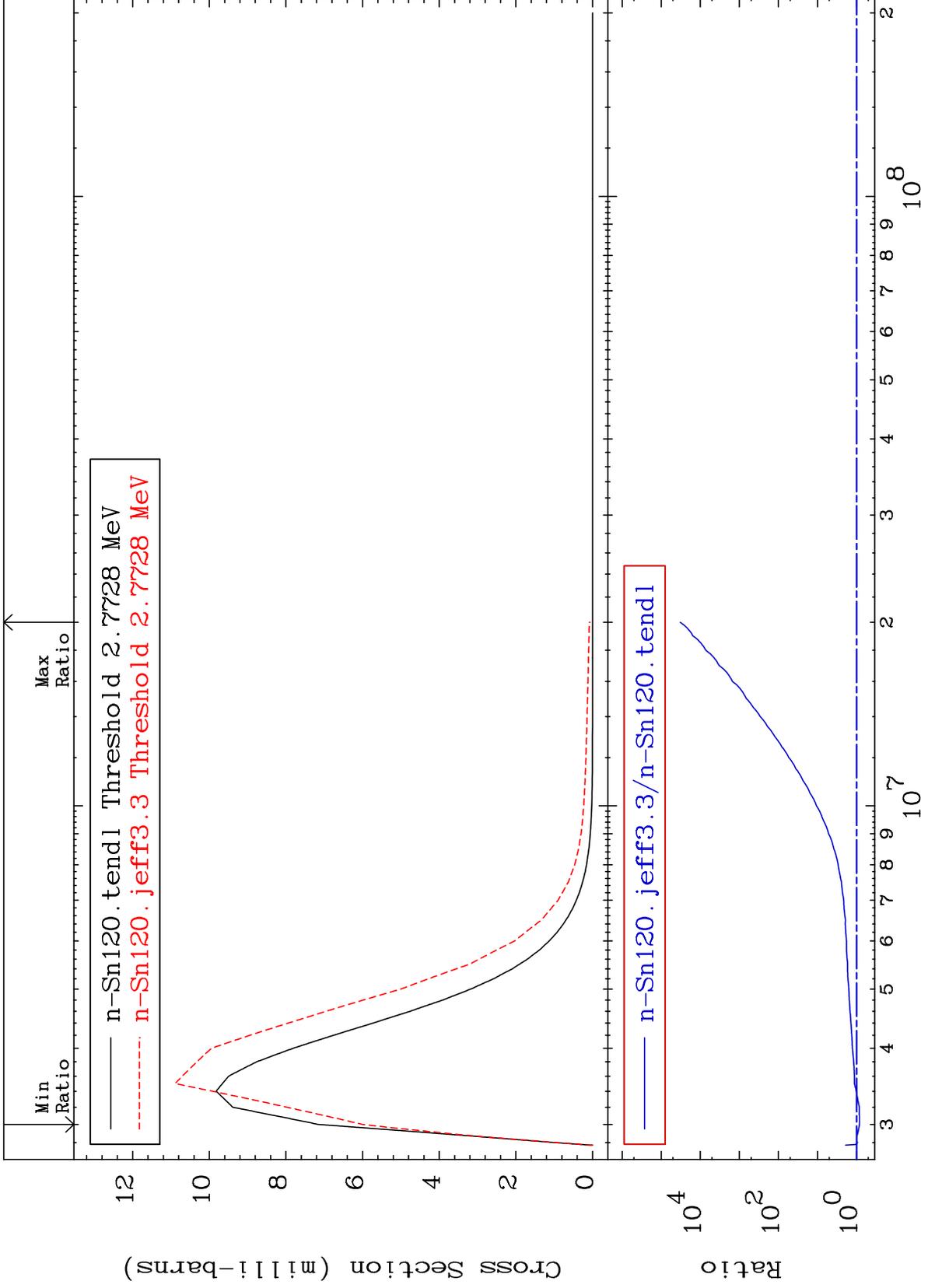
50-Sn-120  
-71.09 To 49.79 %



MAT 5049

MT= 71 (n,n') Level  
Cross Section

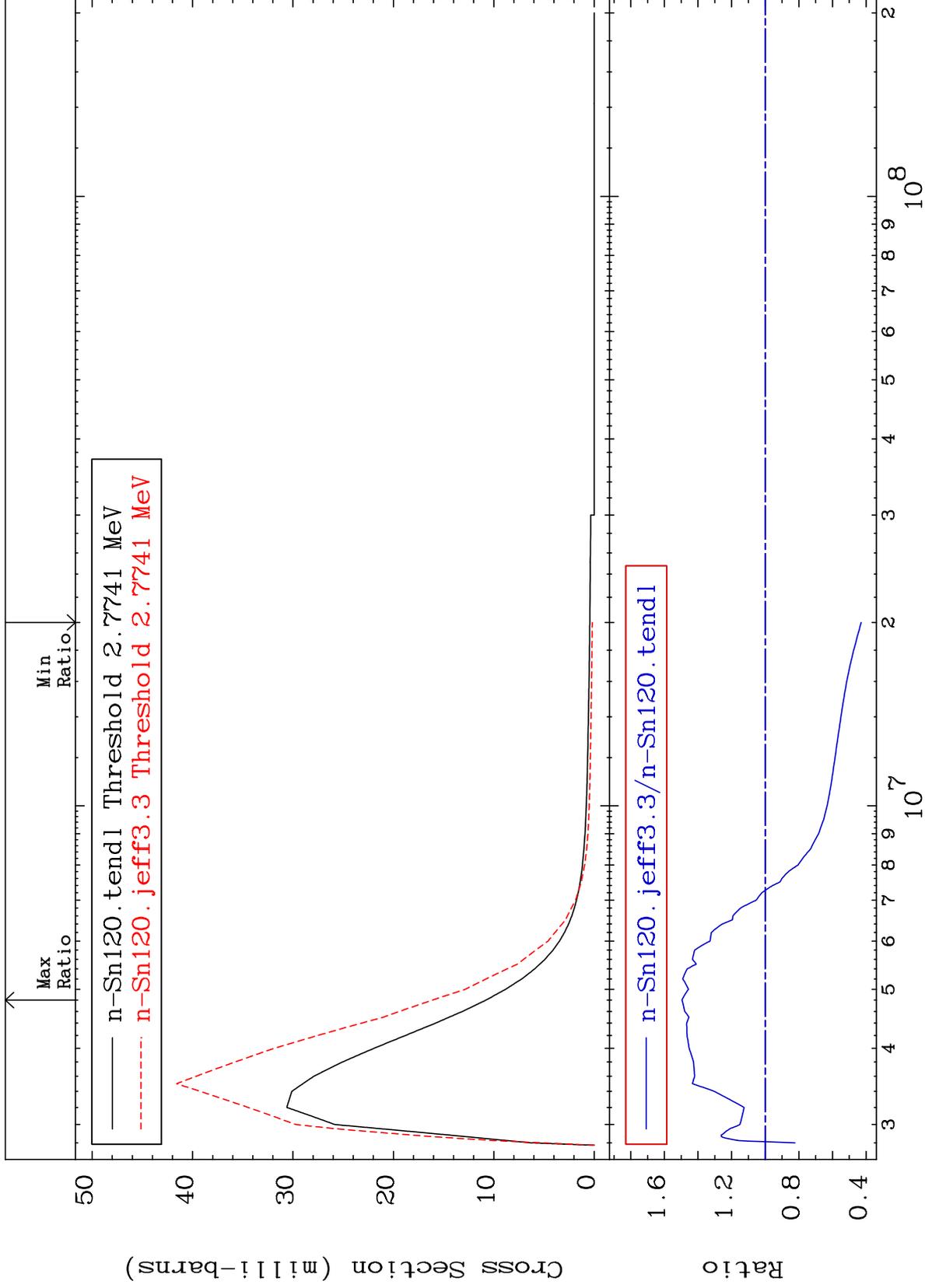
50-Sn-120  
-16.10 To 9999. %



MAT 5049

MT= 72 (n,n') Level  
Cross Section

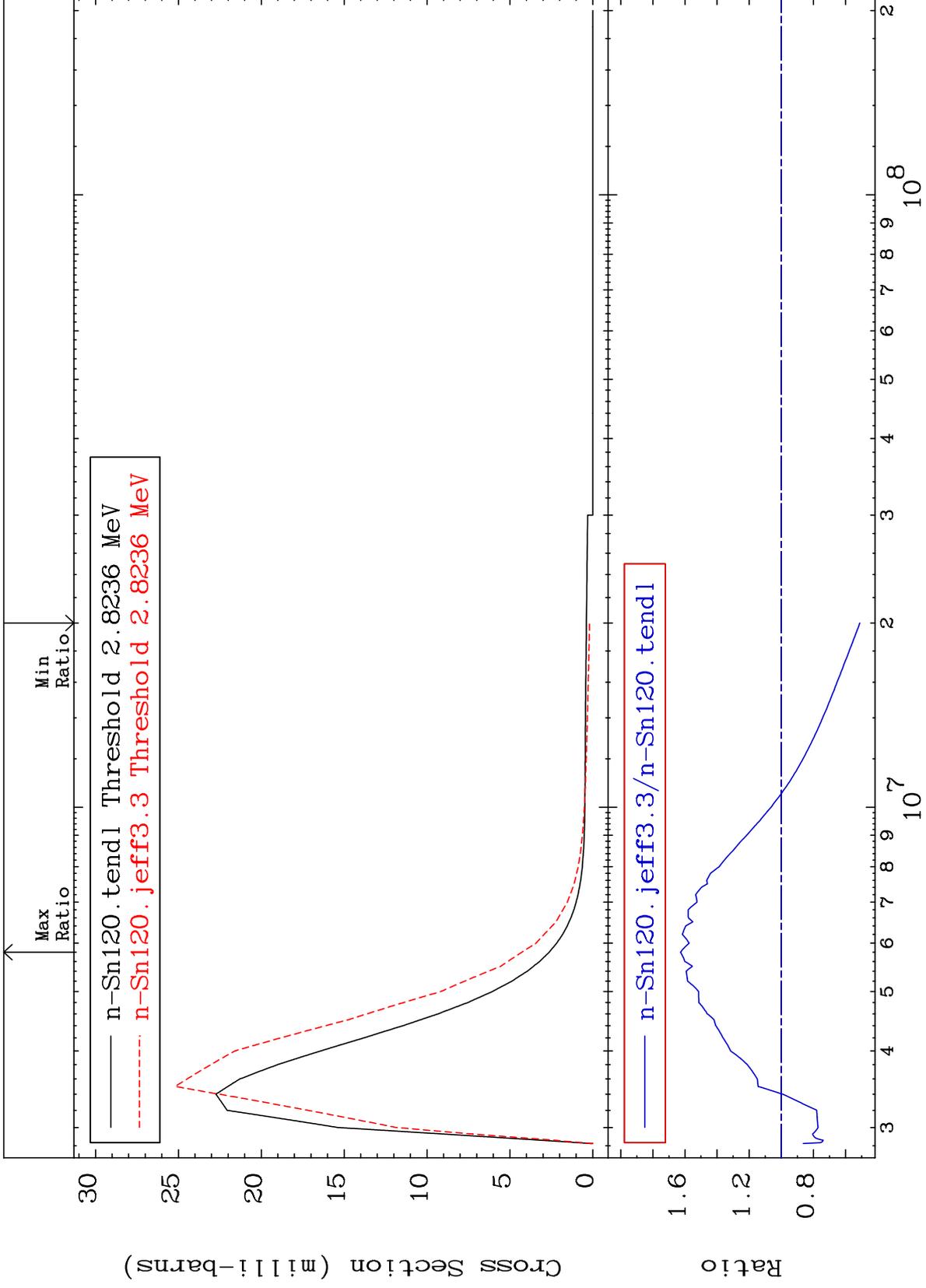
50-Sn-120  
-57.06 To 49.58 %



MAT 5049

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

50-Sn-120  
-48.87 To 62.77 %



30

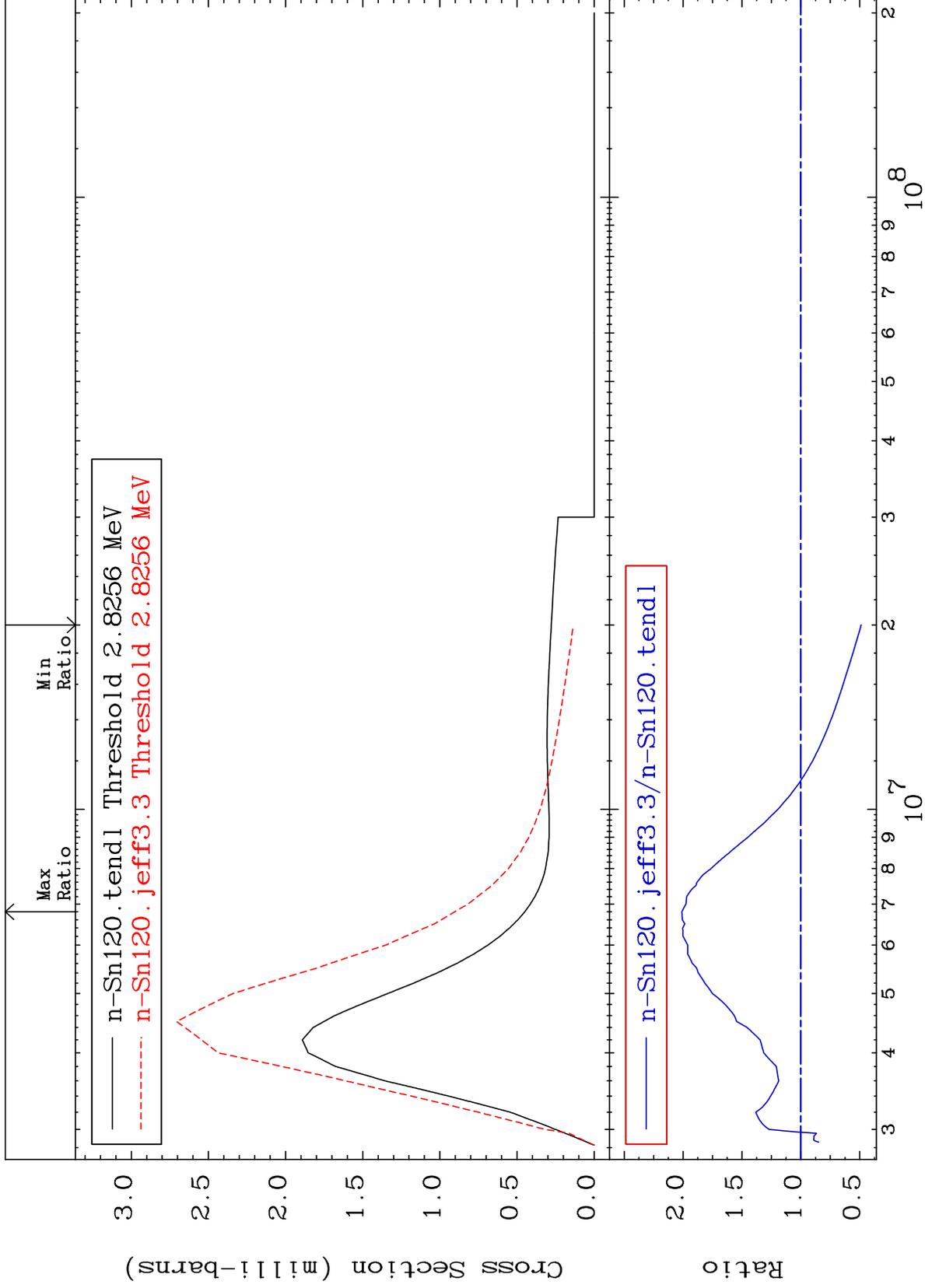
Incident Energy (eV)

50-Sn-120

MAT 5049

MT= 74 (n,n') Level  
Cross Section

50-Sn-120  
-51.23 To 101.0 %



31

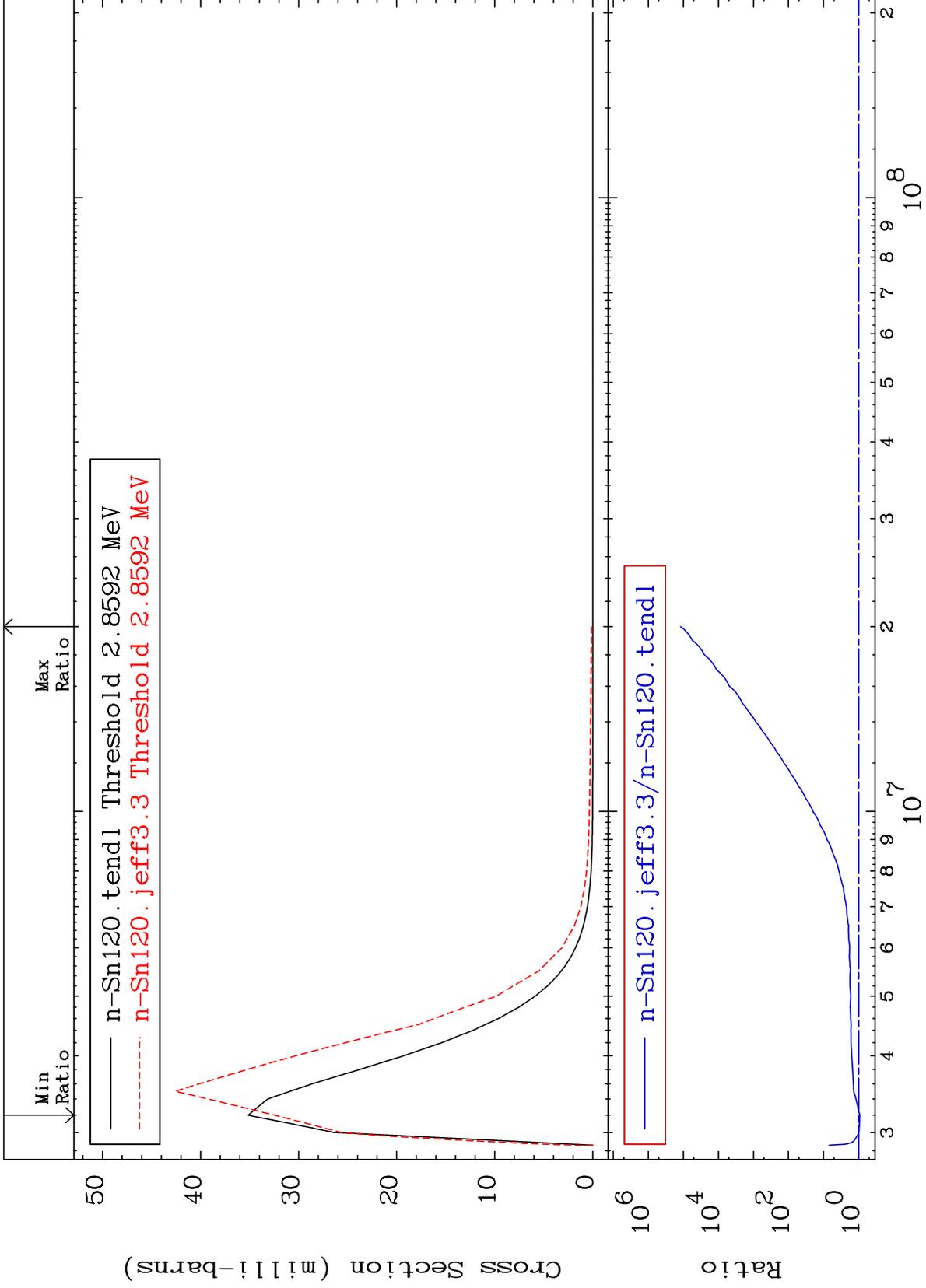
Incident Energy (eV)

50-Sn-120

MAT 5049

MT= 75 (n,n') Level  
Cross Section

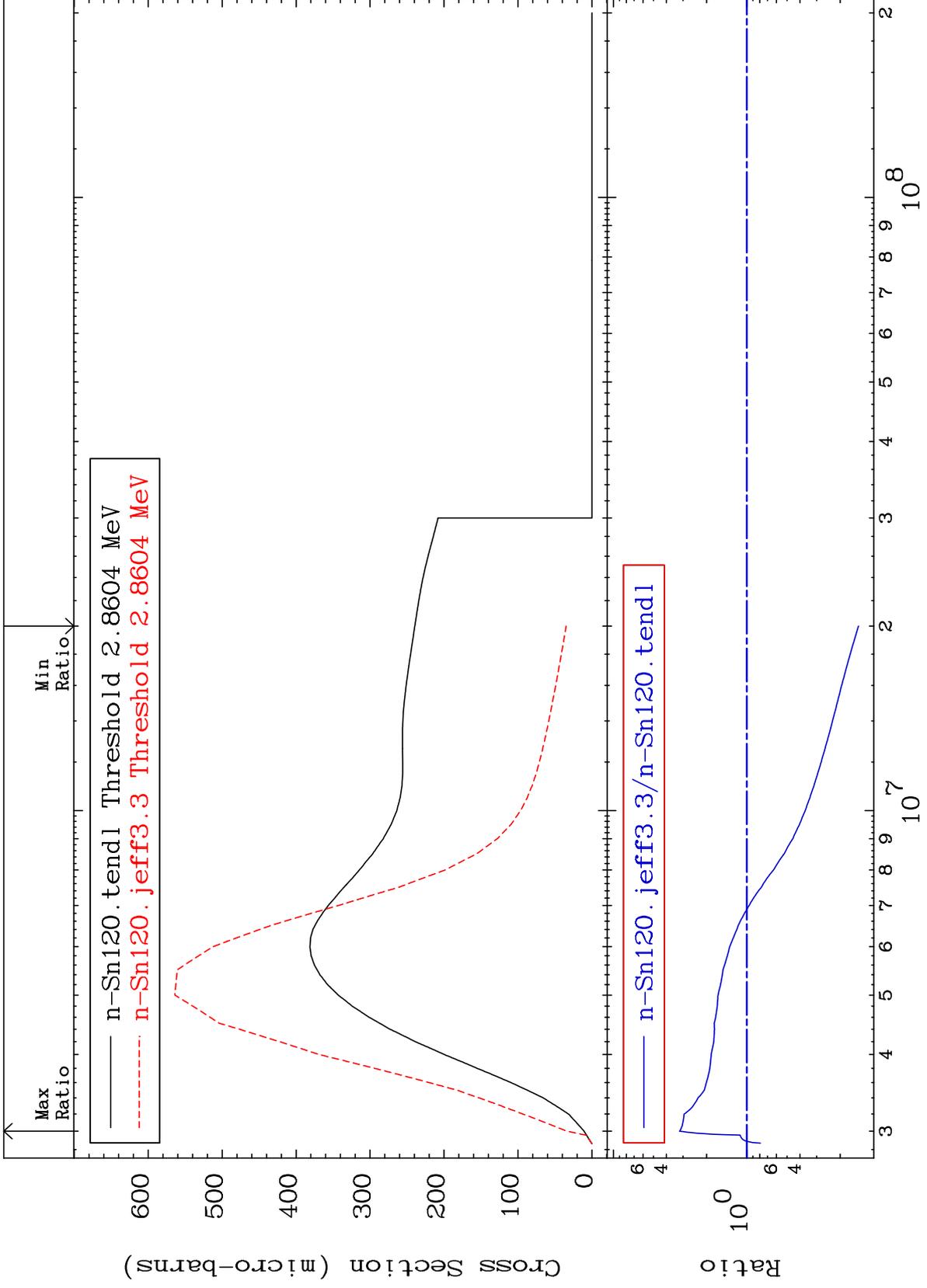
50-Sn-120  
-7.681 To 9999. %



MAT 5049

MT= 76 (n,n') Level  
Cross Section

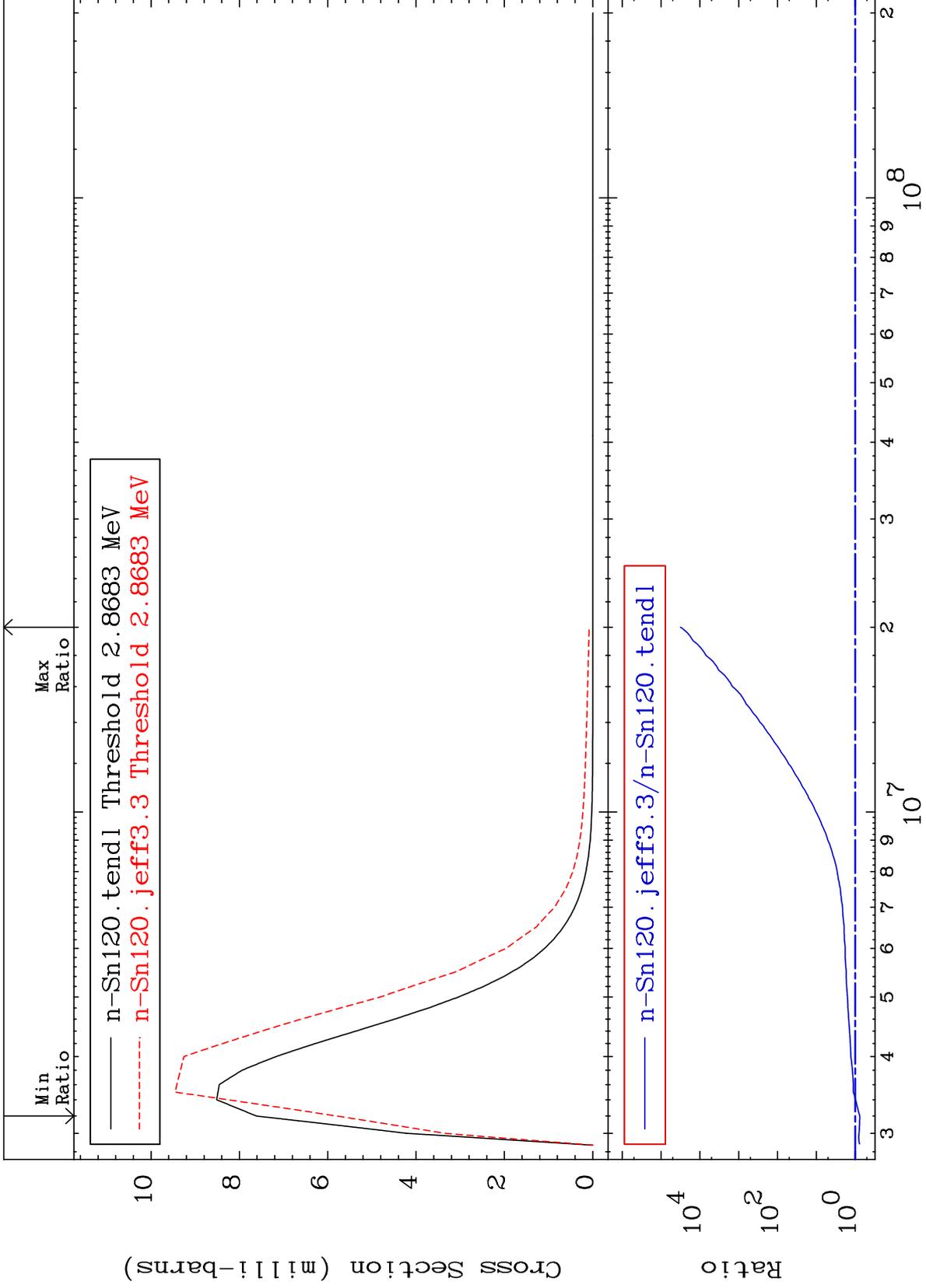
50-Sn-120  
-85.43 To 219.2 %



MAT 5049

MT= 77 (n,n') Level  
Cross Section

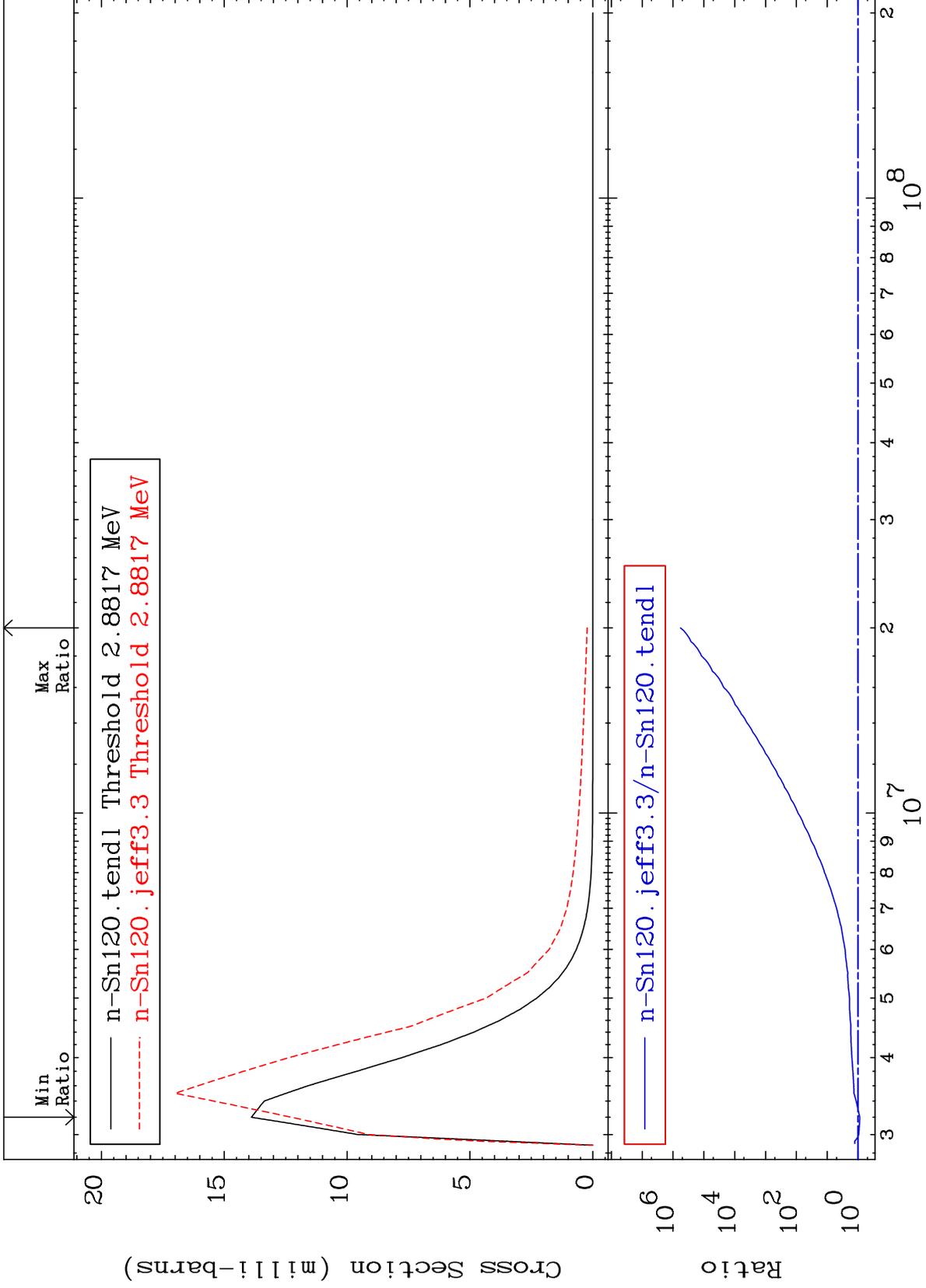
50-Sn-120  
-23.86 To 9999. %



MAT 5049

MT= 78 (n,n') Level  
Cross Section

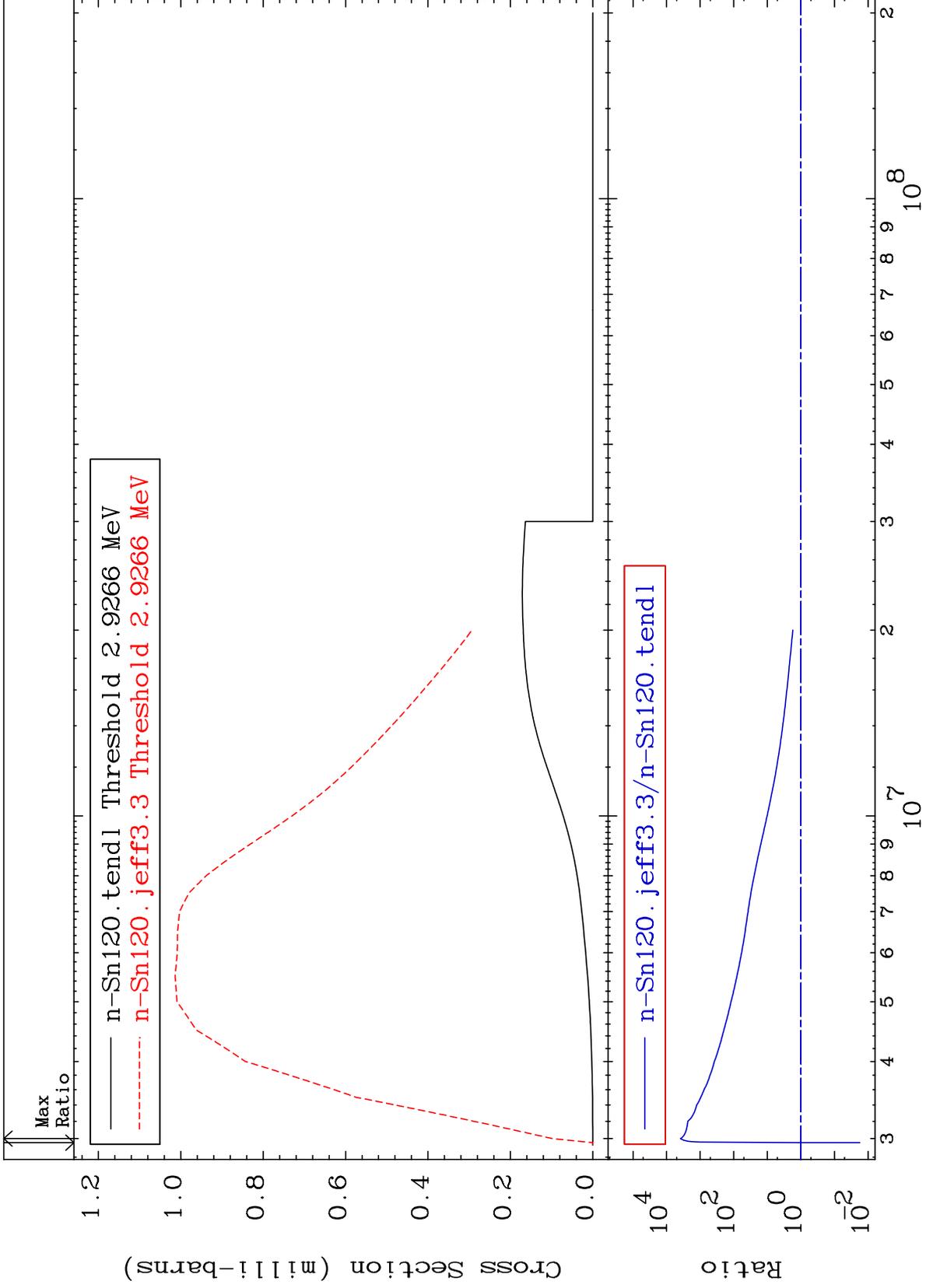
50-Sn-120  
-11.68 To 9999. %



MAT 5049

MT= 79 (n,n') Level  
Cross Section

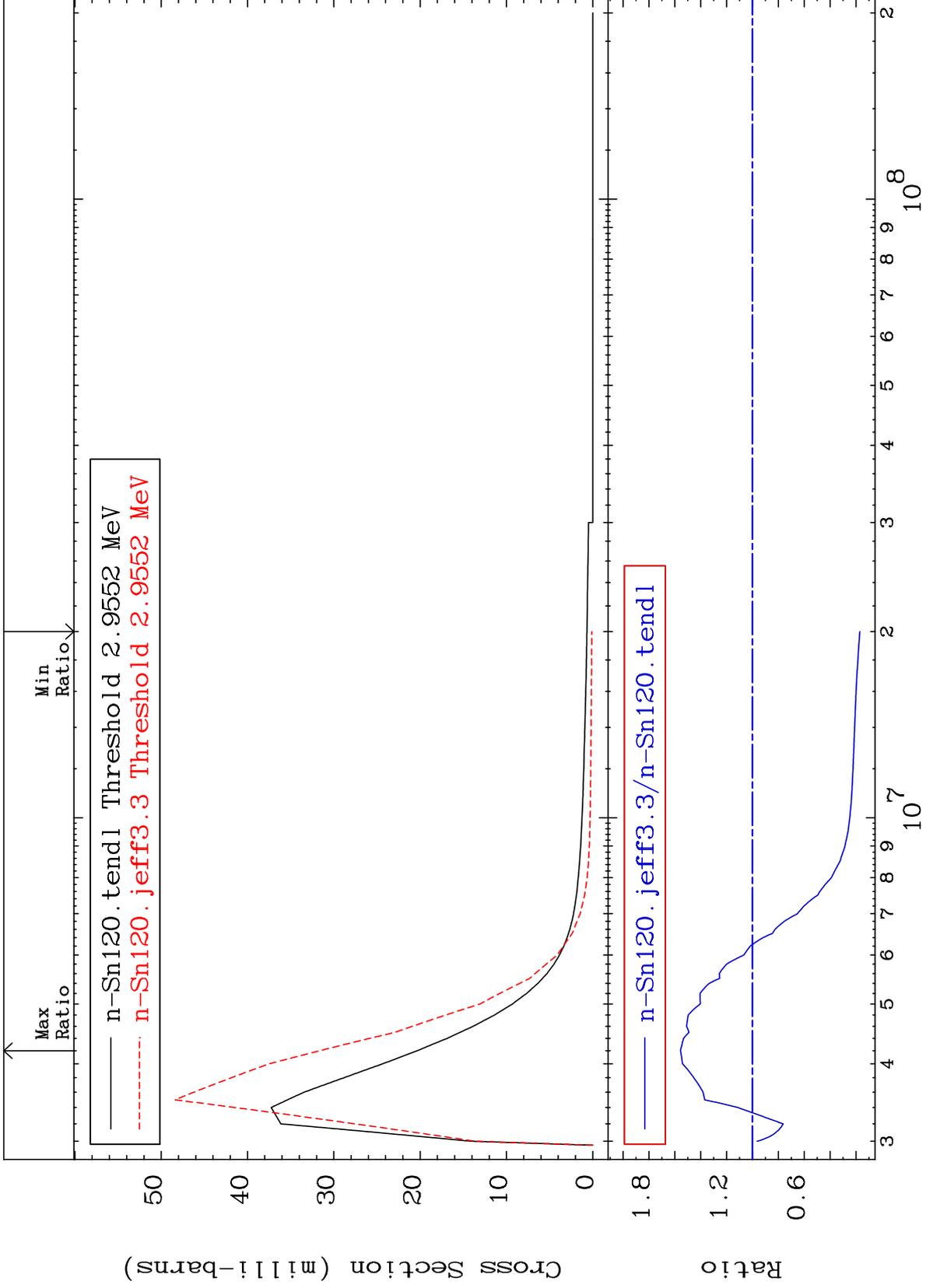
50-Sn-120  
-98.24 To 9999. %



MAT 5049

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

50-Sn-120  
-82.97 To 55.57 %



37

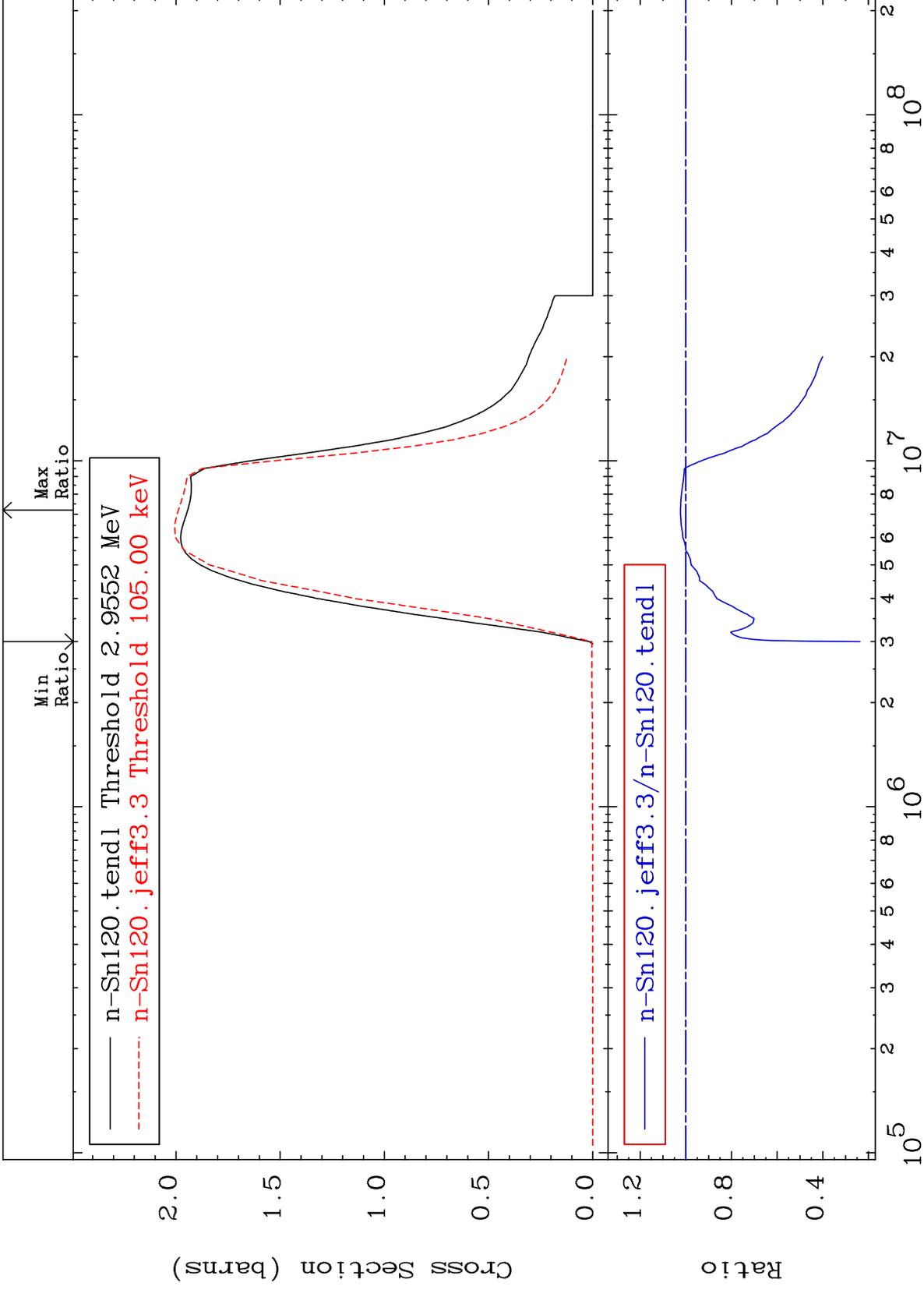
Incident Energy (eV)

50-Sn-120

MAT 5049

(n, n') Continuum  
Cross Section

50-Sn-120  
-76.30 To 2.289 %



38

Incident Energy (eV)

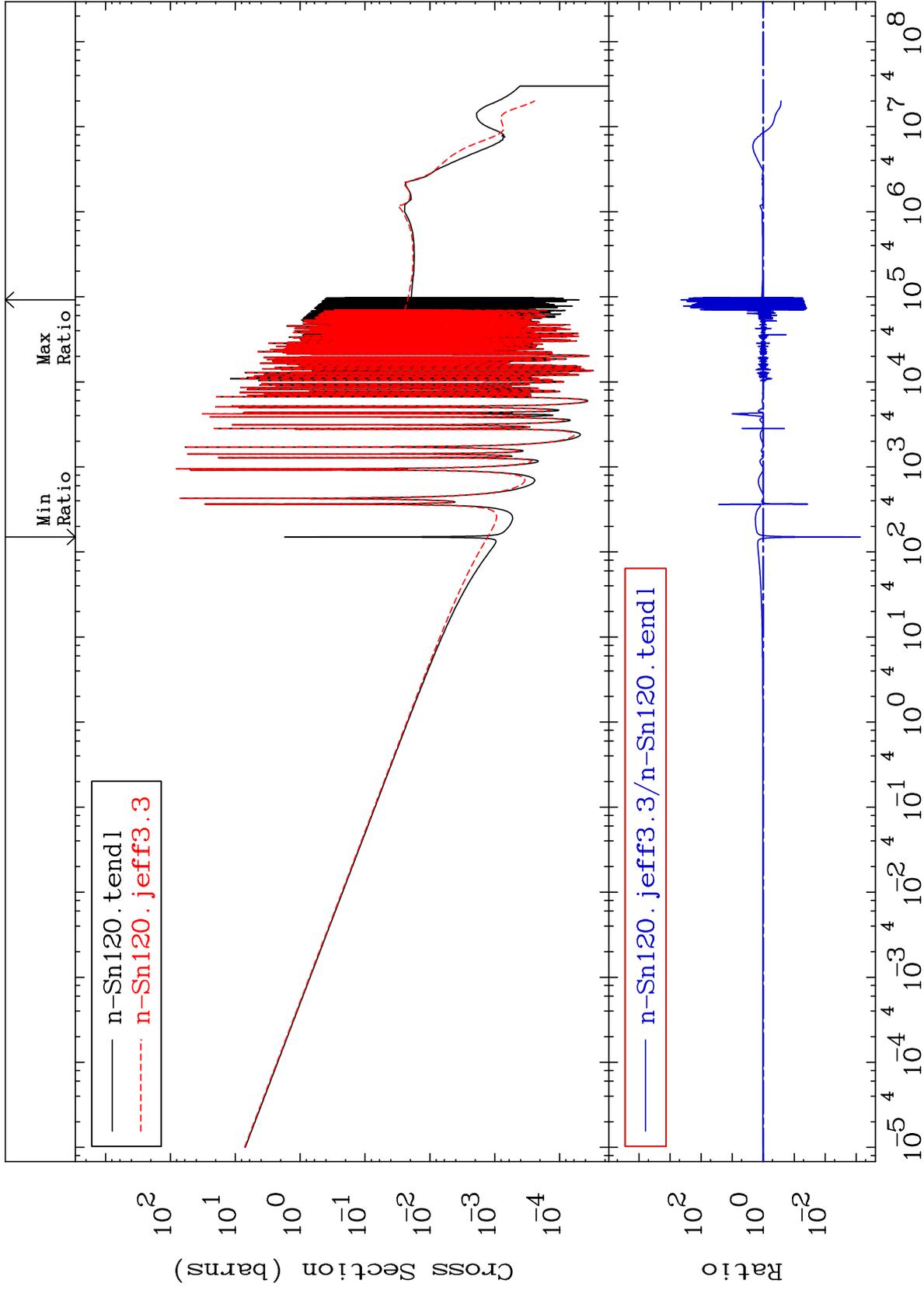
50-Sn-120

MAT 5049

(n,  $\gamma$ )  
Cross Section

50-Sn-120

-99.93 To 9999. %



39

Incident Energy (eV)

50-Sn-120

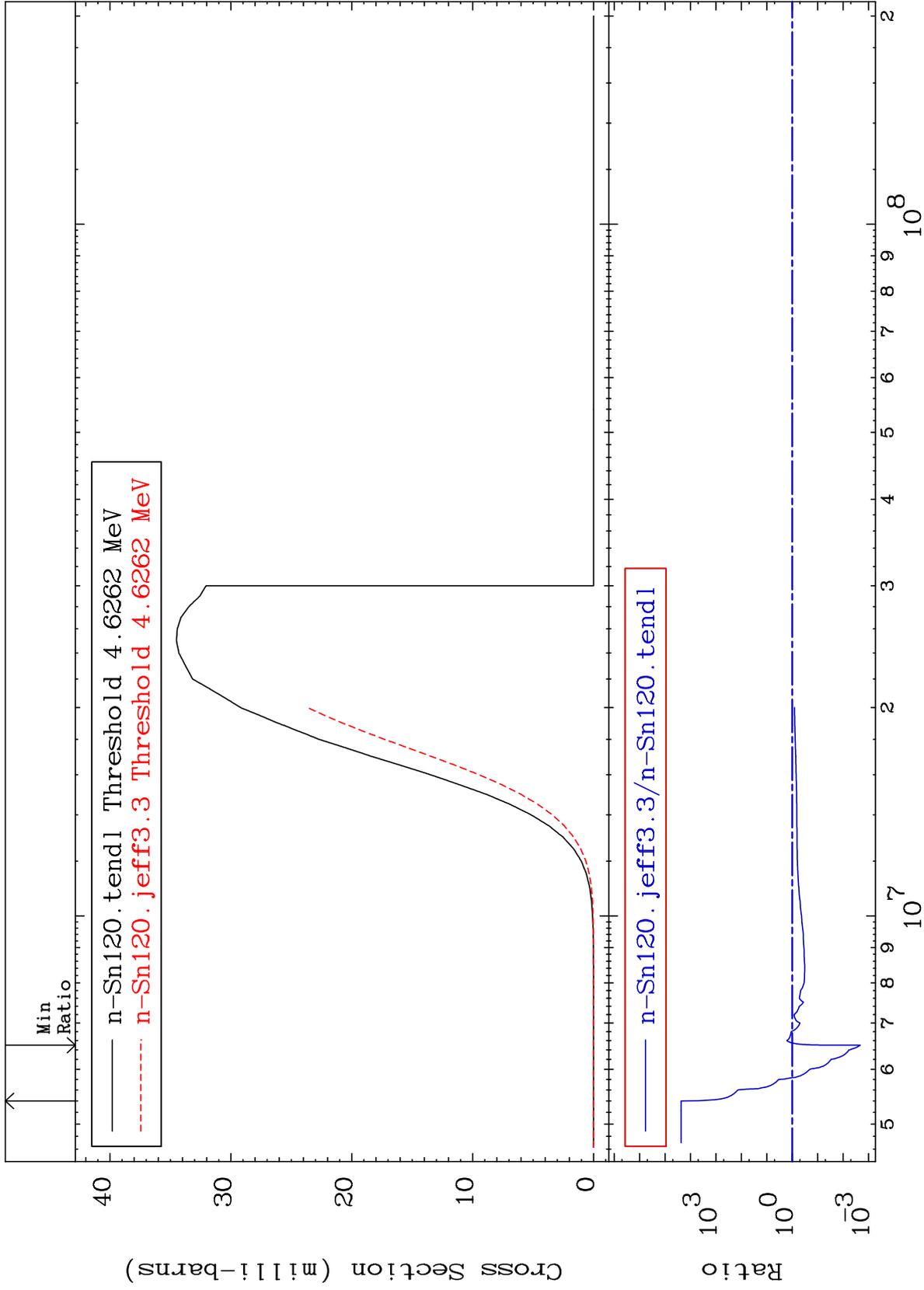
MAT 5049

(n,p)

50-Sn-120

Cross Section

-99.79 To 9999. %



40

Incident Energy (eV)

50-Sn-120

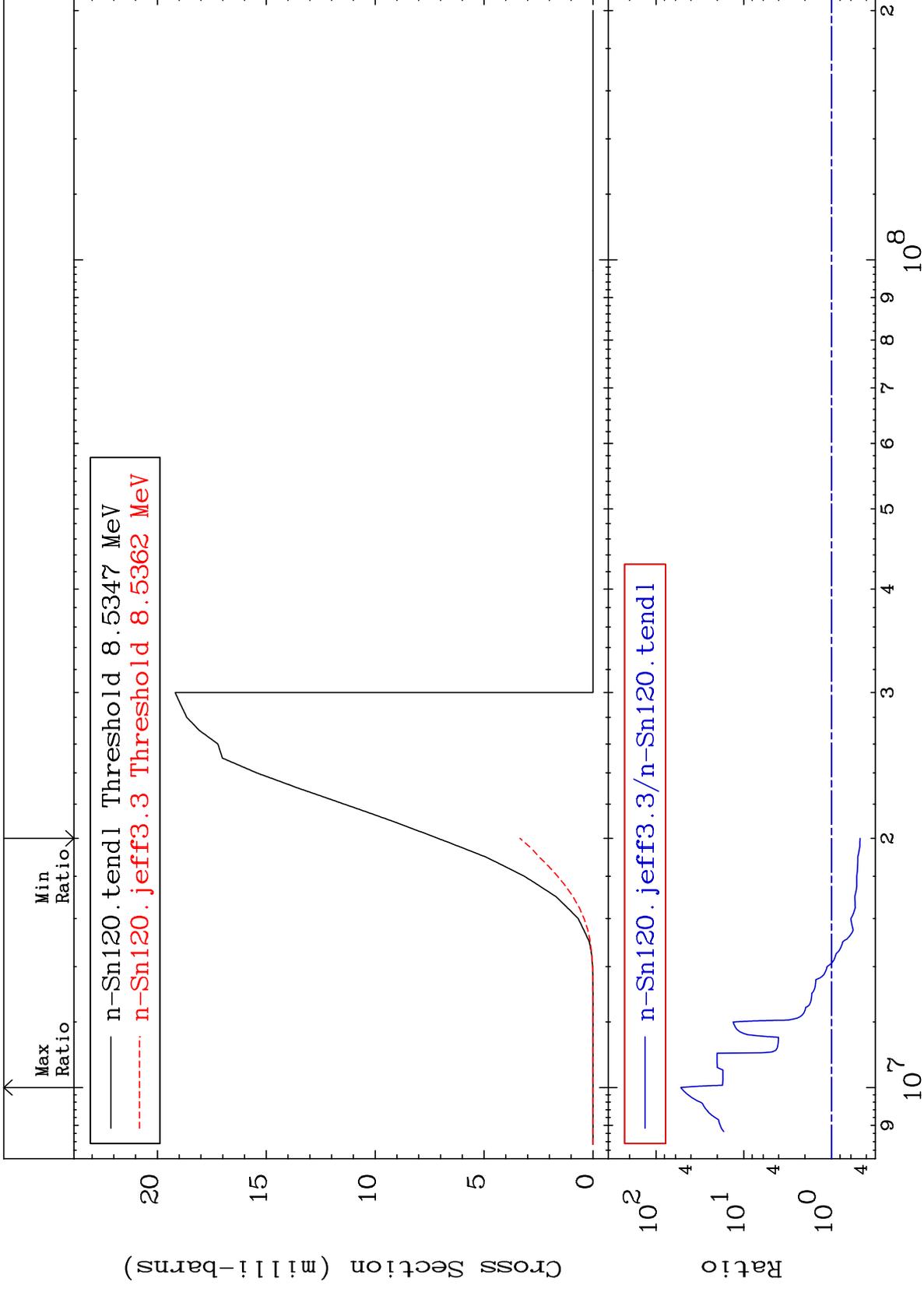
MAT 5049

(n, d)

50-Sn-120

Cross Section

-52.86 To 5122. %



41

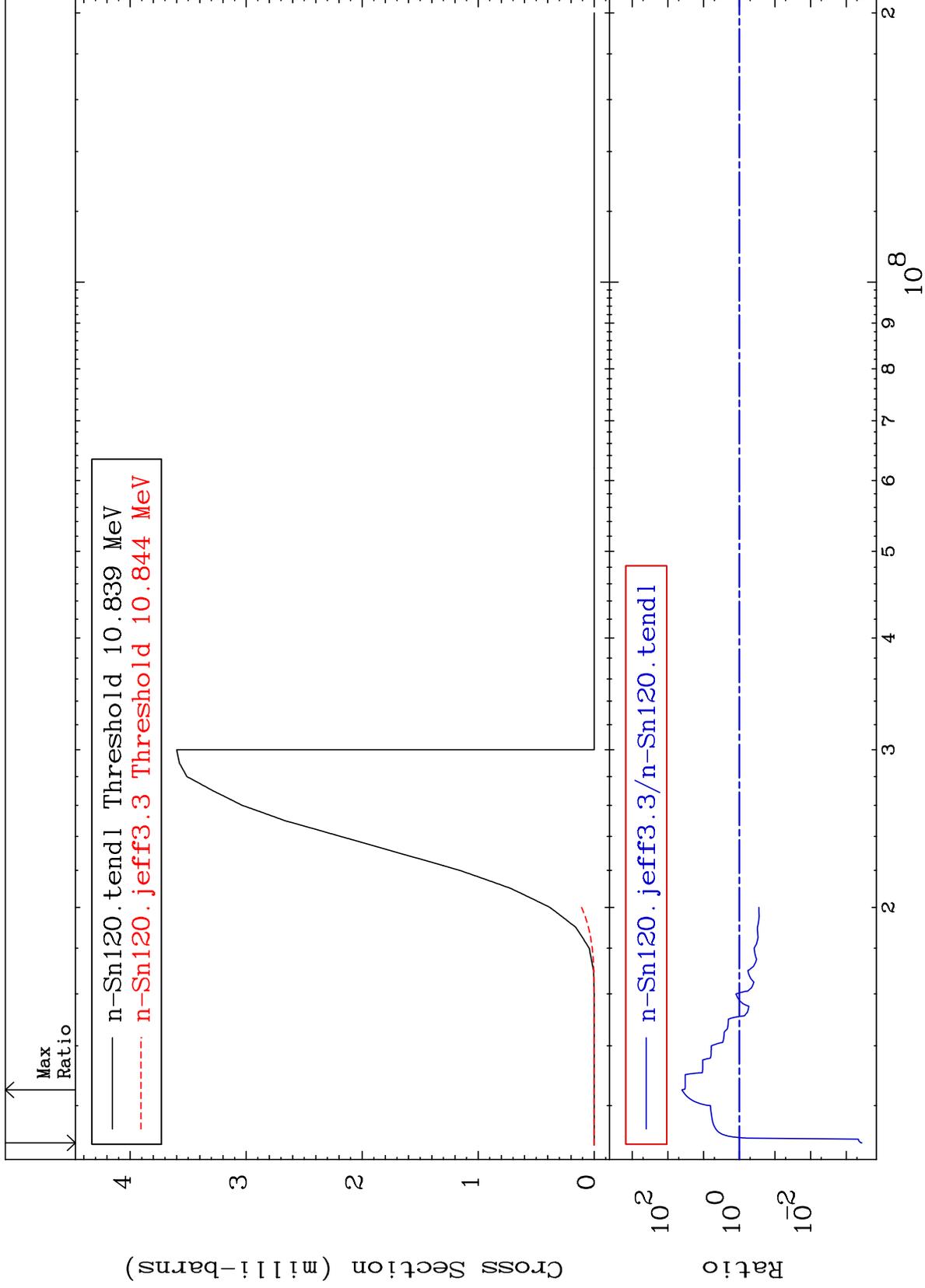
Incident Energy (eV)

50-Sn-120

MAT 5049

(n, t)  
Cross Section

50-Sn-120  
-99.96 To 3960. %



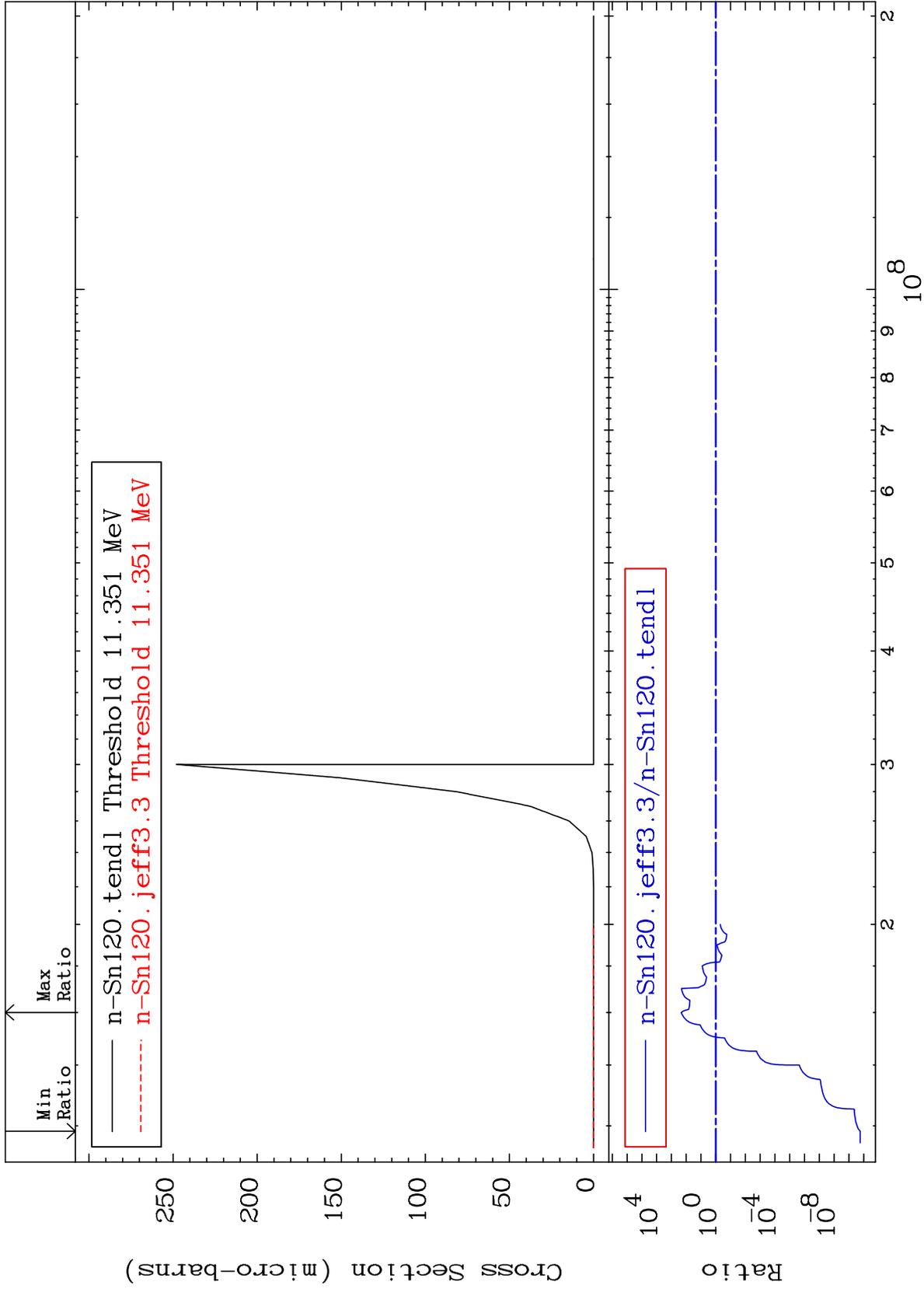
MAT 5049

(n, He-3)

50-Sn-120

Cross Section

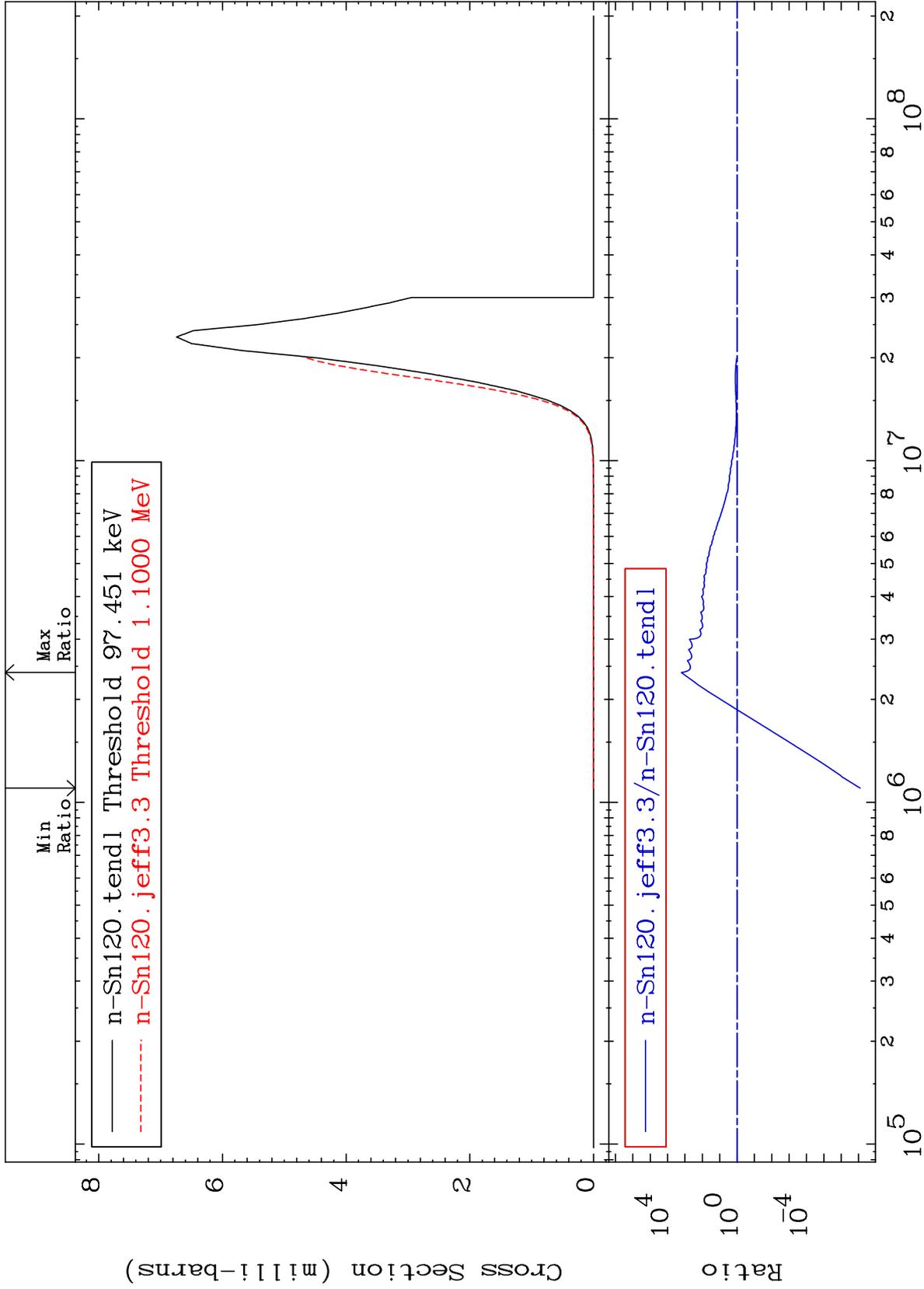
-100.0 To 9999. %



MAT 5049

50-Sn-120

(n,  $\alpha$ )  
Cross Section  
-100.0 To 9999. %



44

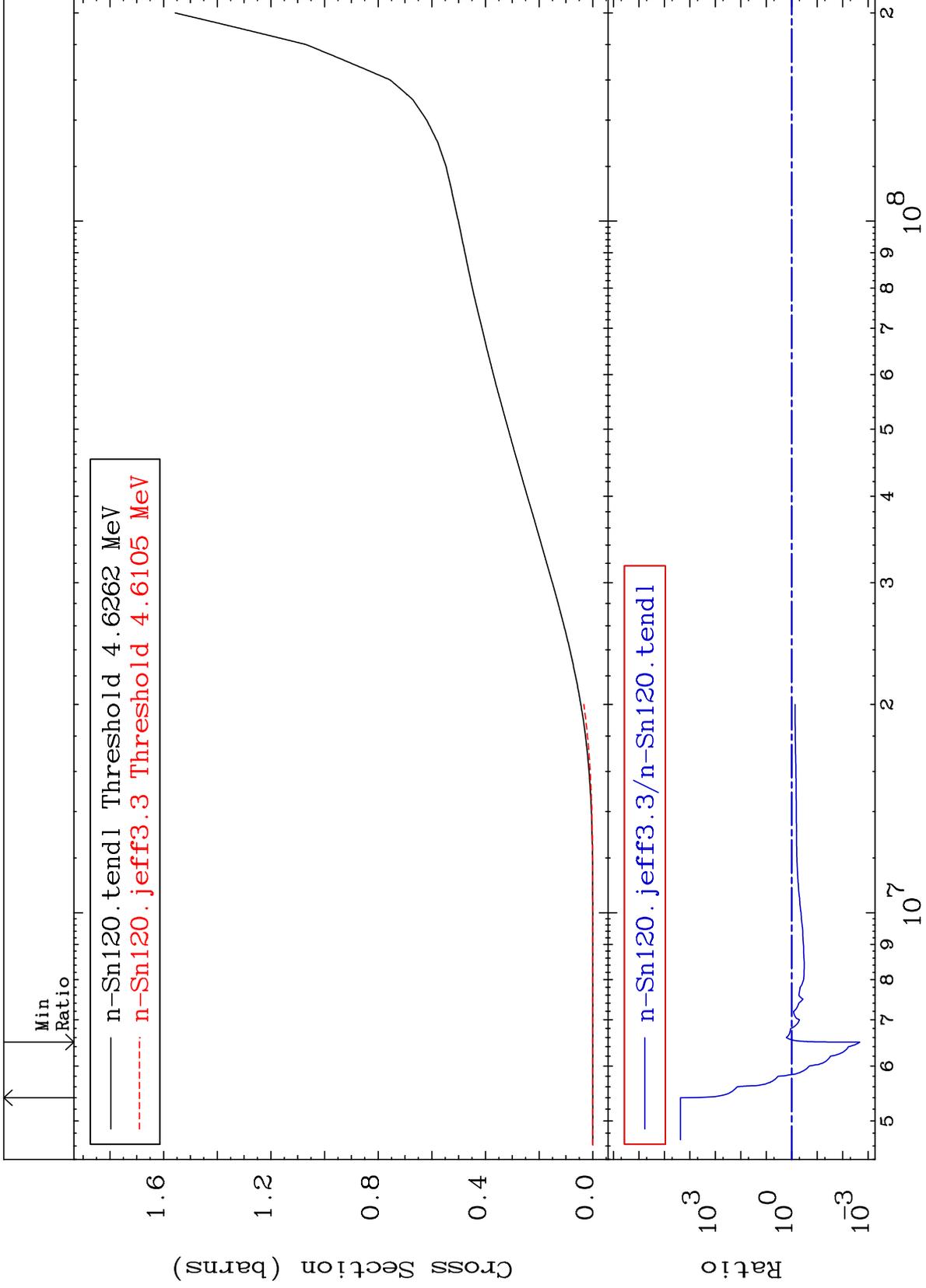
Incident Energy (eV)

50-Sn-120

MAT 5049

Hydrogen Production  
Cross Section

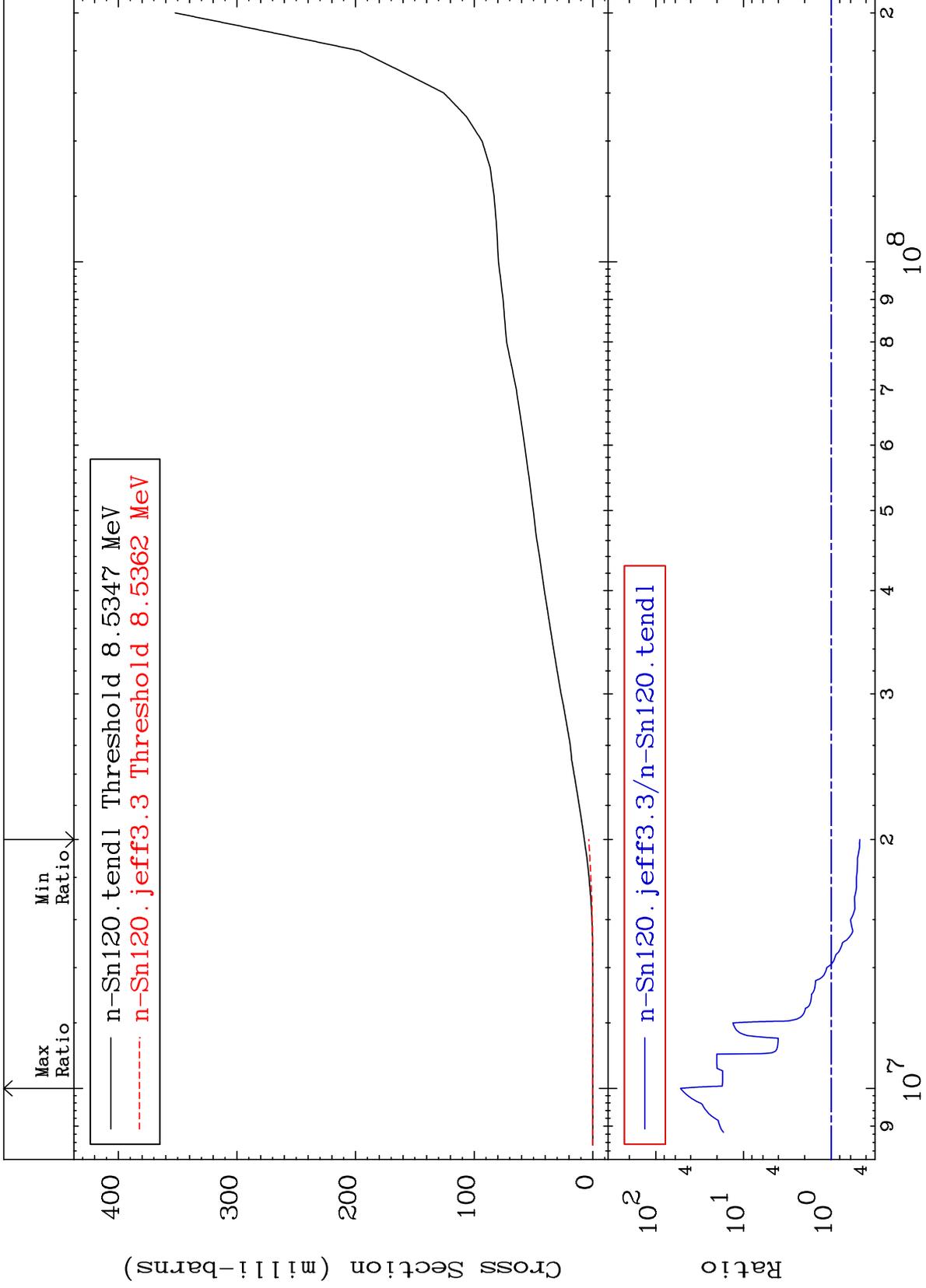
50-Sn-120  
-99.79 To 9999. %



MAT 5049

Deuterium Production  
Cross Section

50-Sn-120  
-52.86 To 5122. %



46

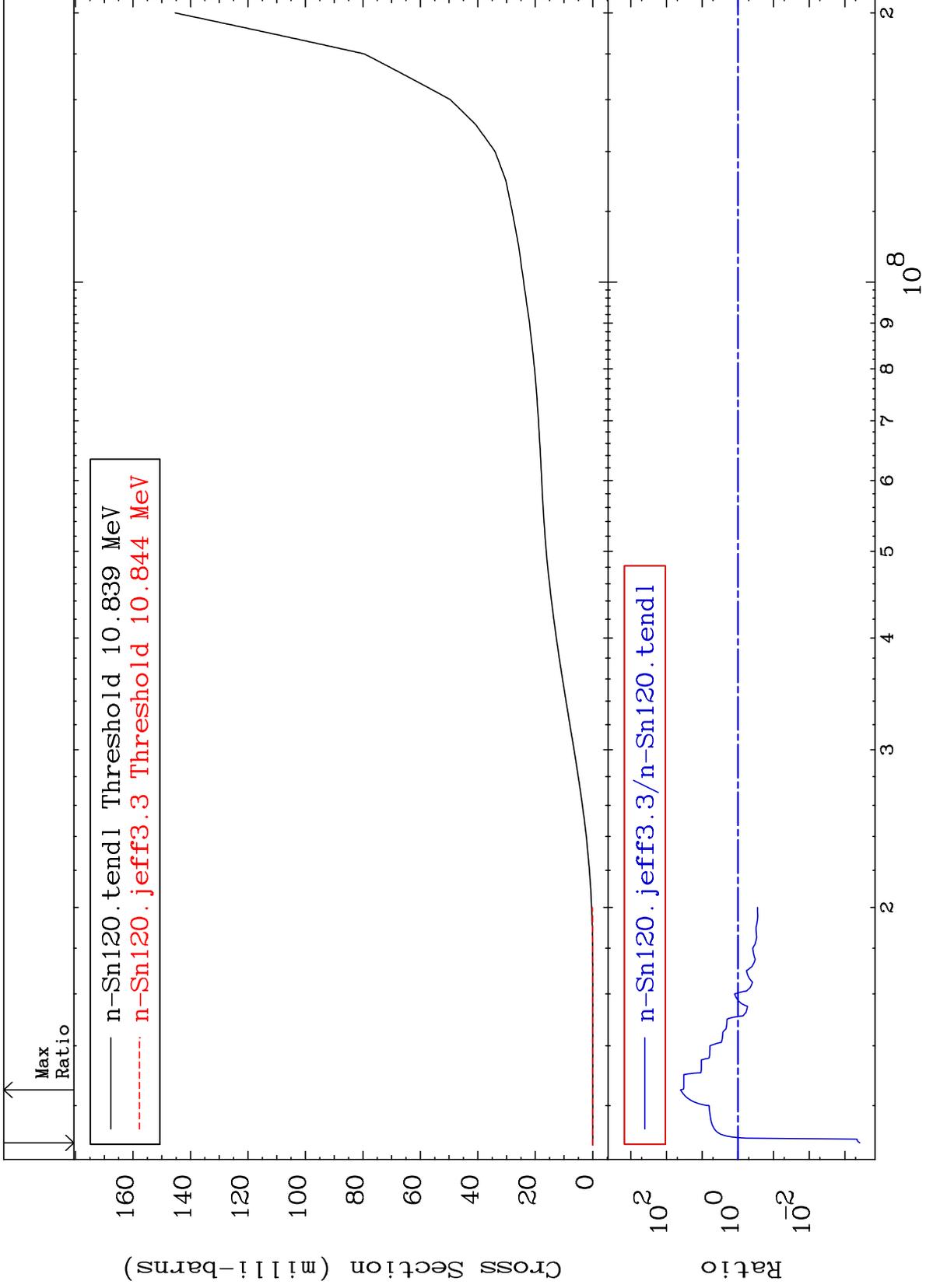
Incident Energy (eV)

50-Sn-120

MAT 5049

Tritium Production  
Cross Section

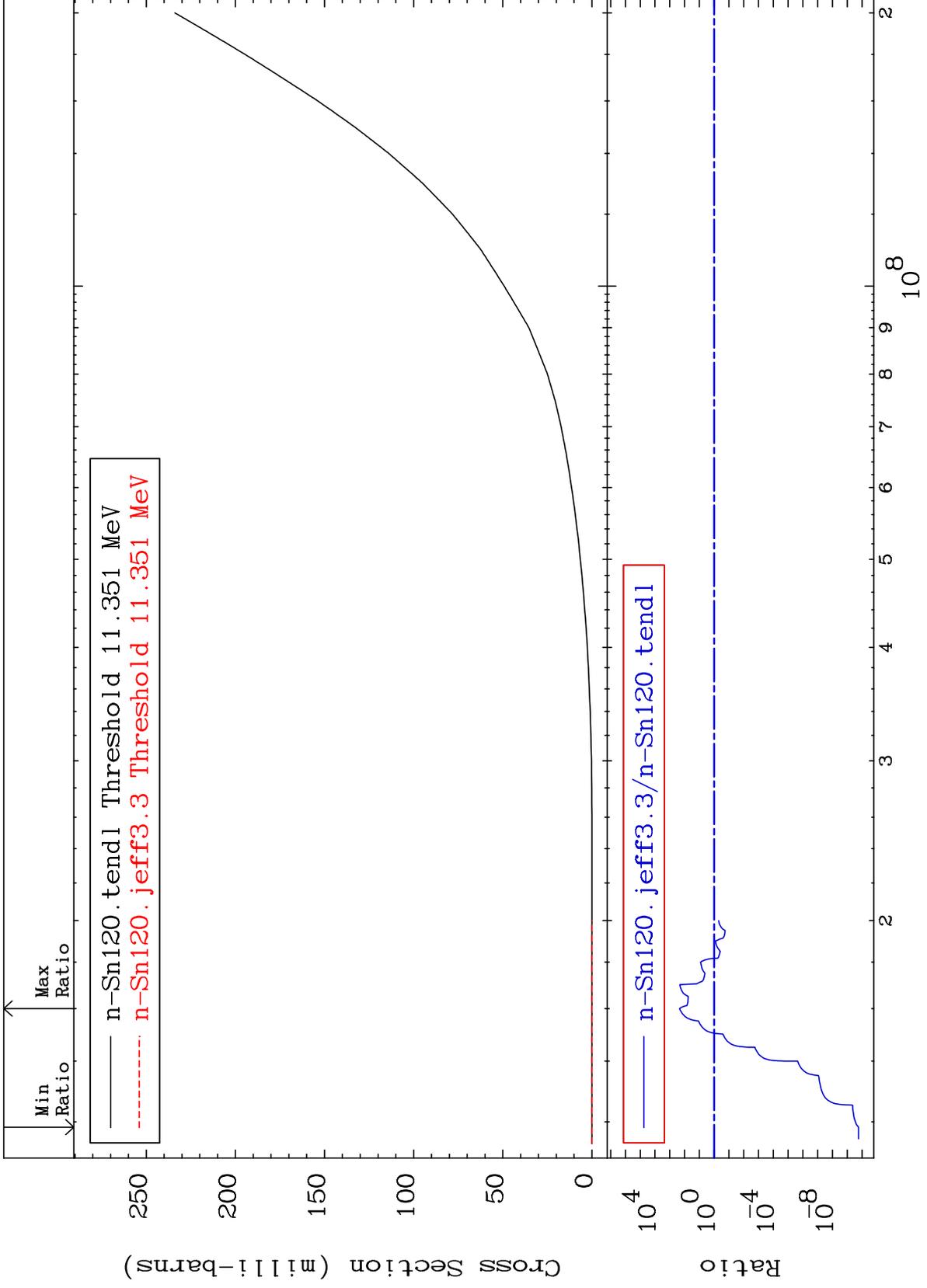
50-Sn-120  
-99.96 To 3960. %



MAT 5049

He-3 Production  
Cross Section

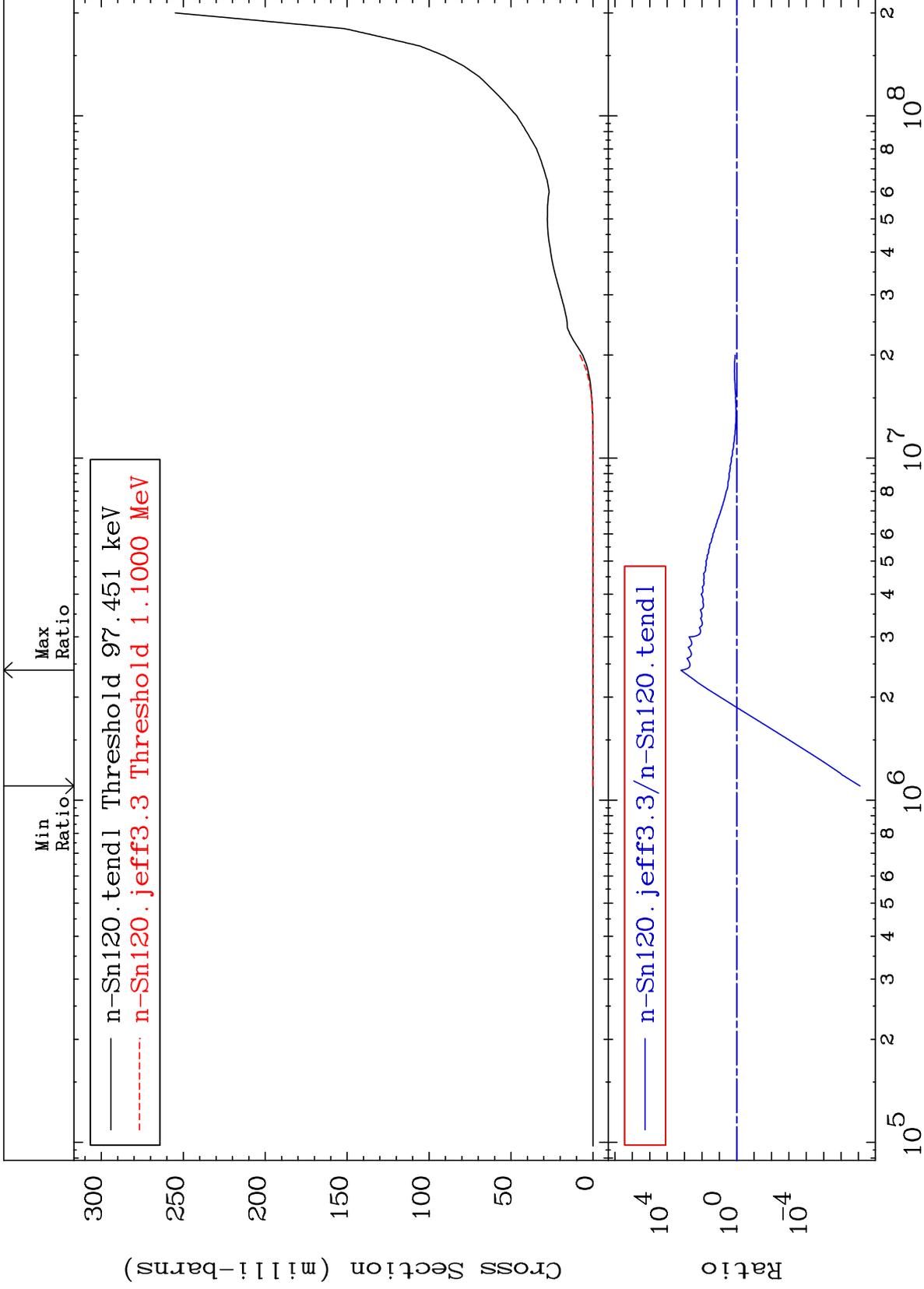
50-Sn-120  
-100.0 To 9999. %



MAT 5049

He-4 Production  
Cross Section

50-Sn-120  
-100.0 To 9999. %



49

Incident Energy (eV)

50-Sn-120

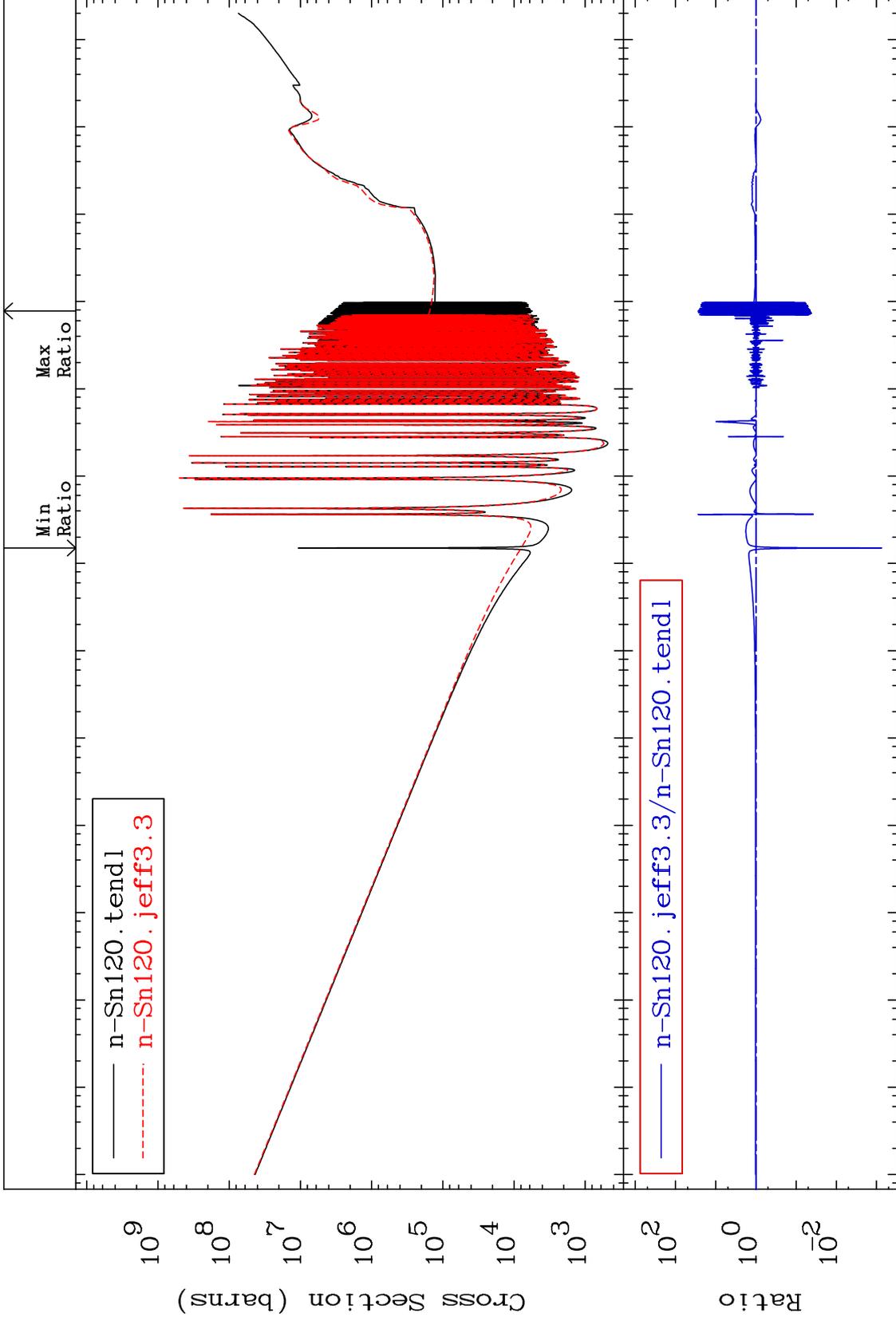
MAT 5049

Kerma total (eV-barns)

50-Sn-120

Cross Section

-99.93 To 2691. %



50

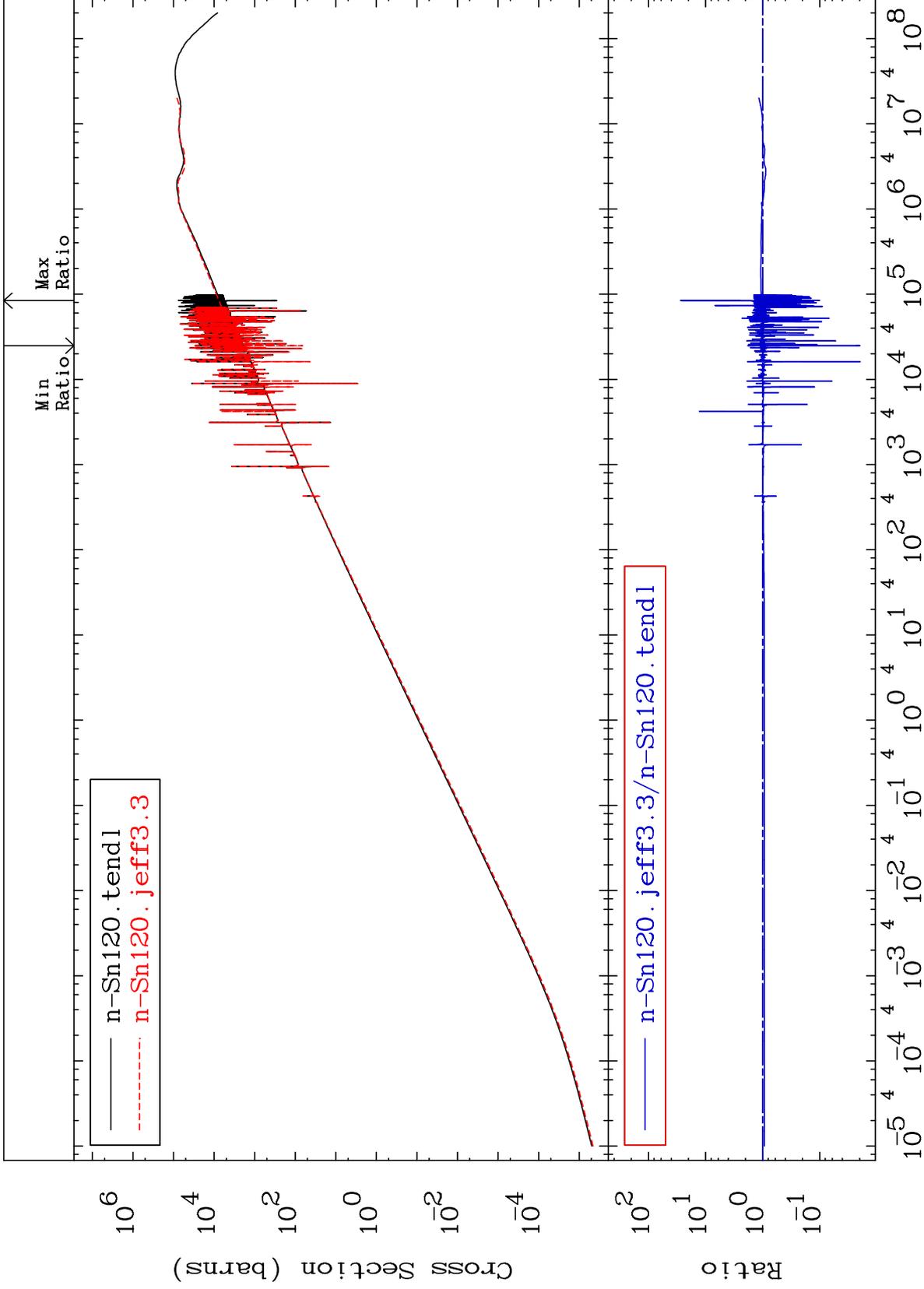
Incident Energy (eV)

50-Sn-120

MAT 5049

Kerma elastic  
Cross Section

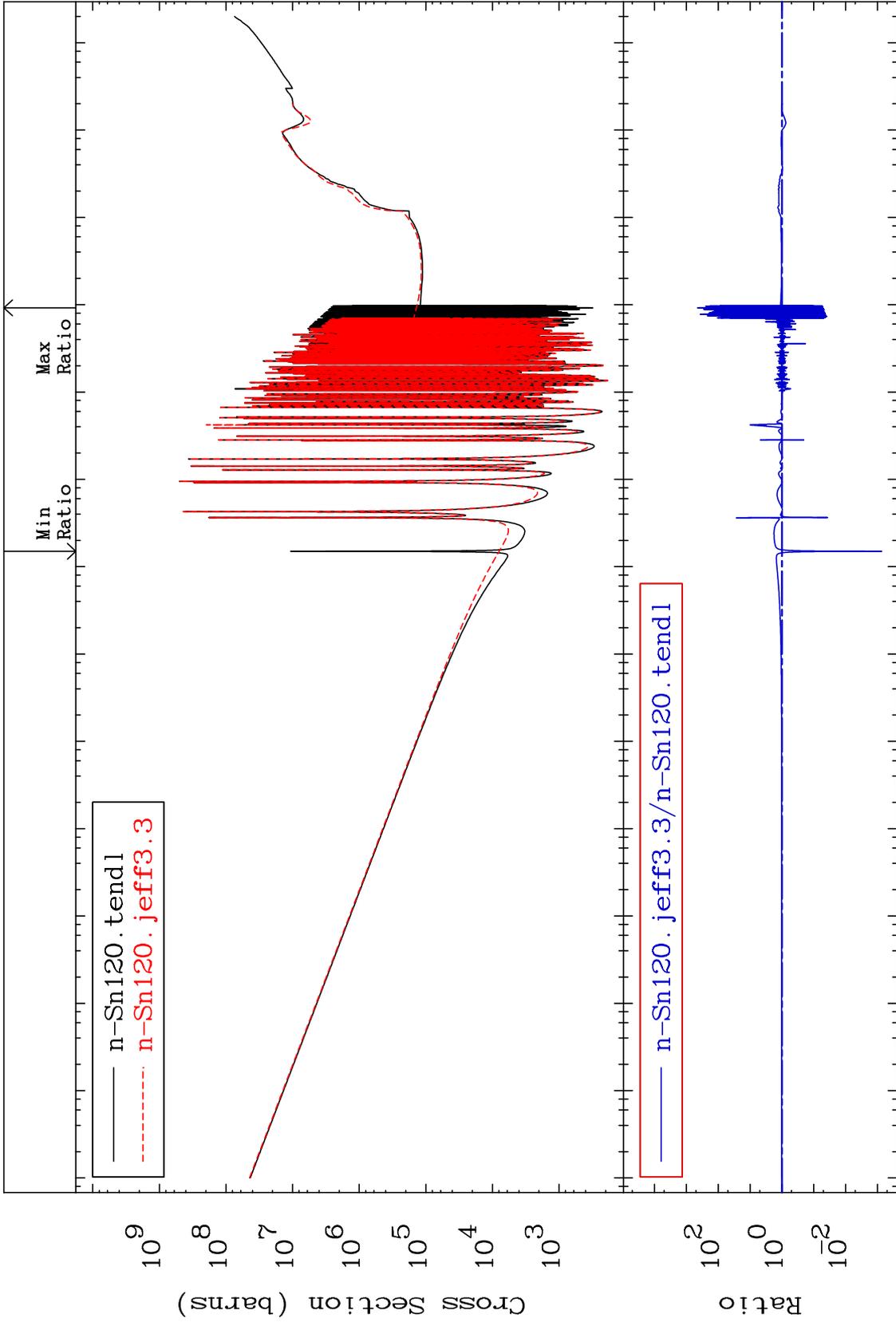
50-Sn-120  
-98.04 To 2622. %



MAT 5049

Kerma non-elastic (all but mt2)  
Cross Section

50-Sn-120  
-99.93 To 9999. %



52

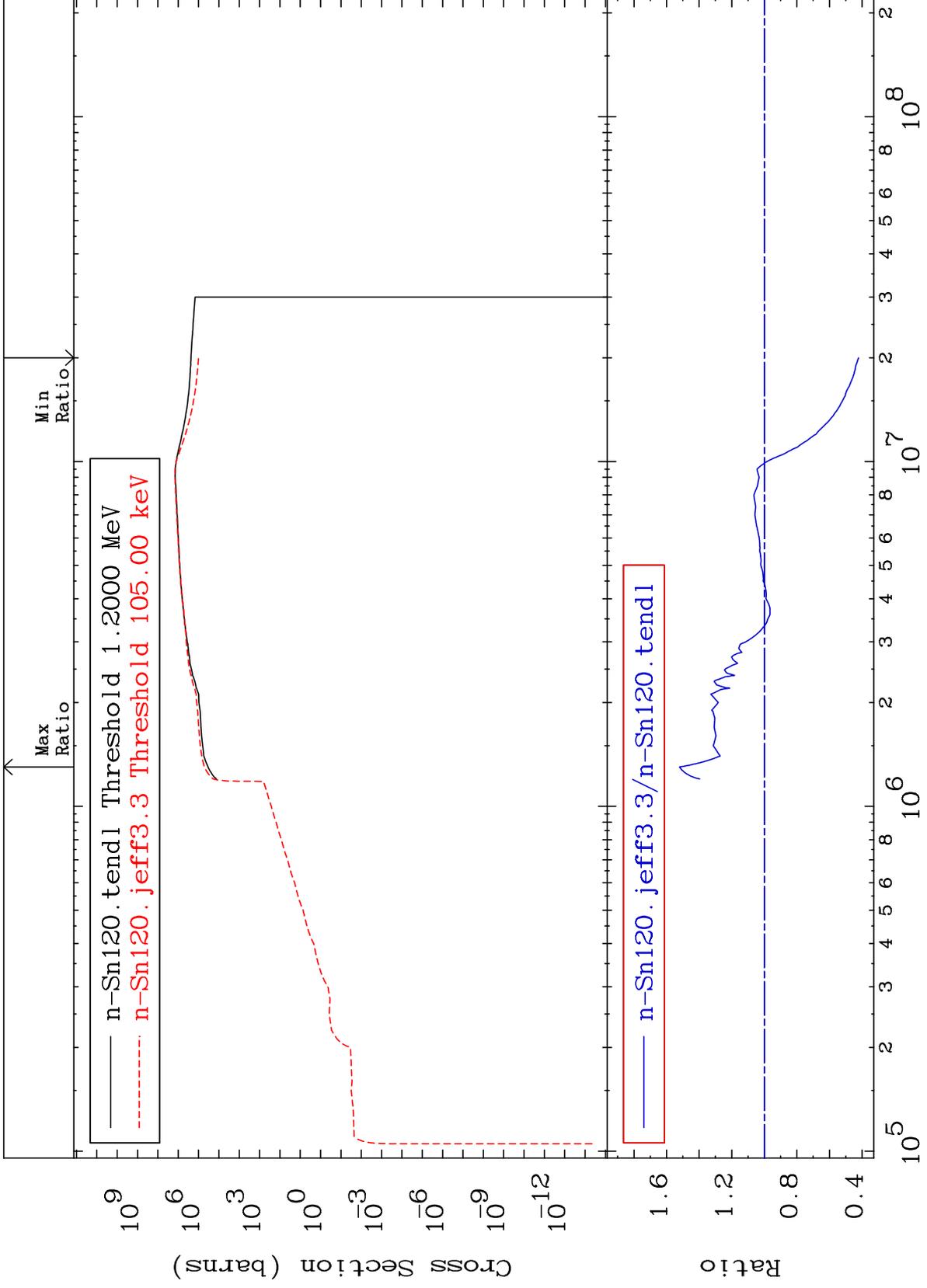
Incident Energy (eV)

50-Sn-120

MAT 5049

Kerma inelastic (mt51-91)  
Cross Section

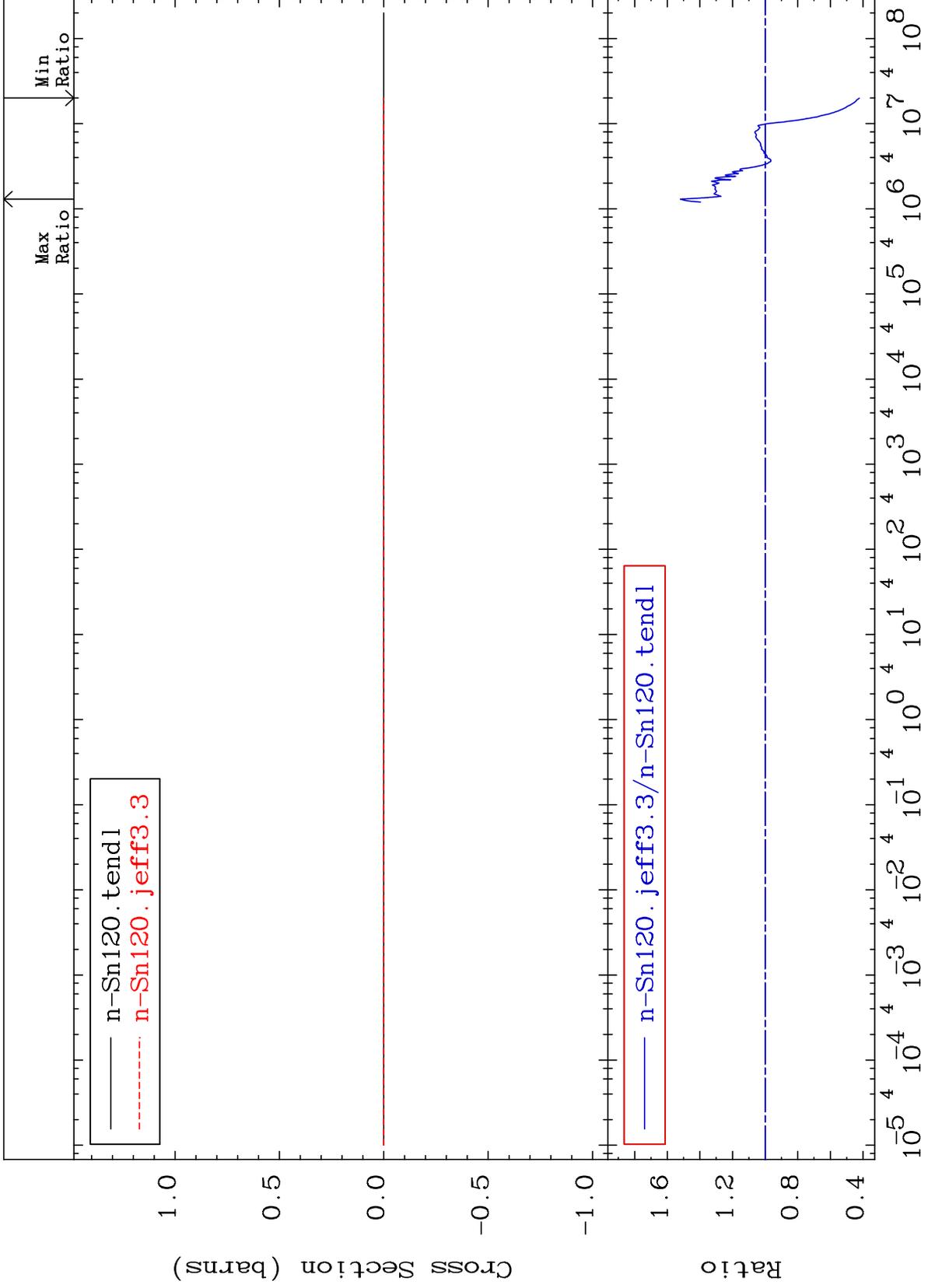
50-Sn-120  
-57.84 To 52.04 %



MAT 5049

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

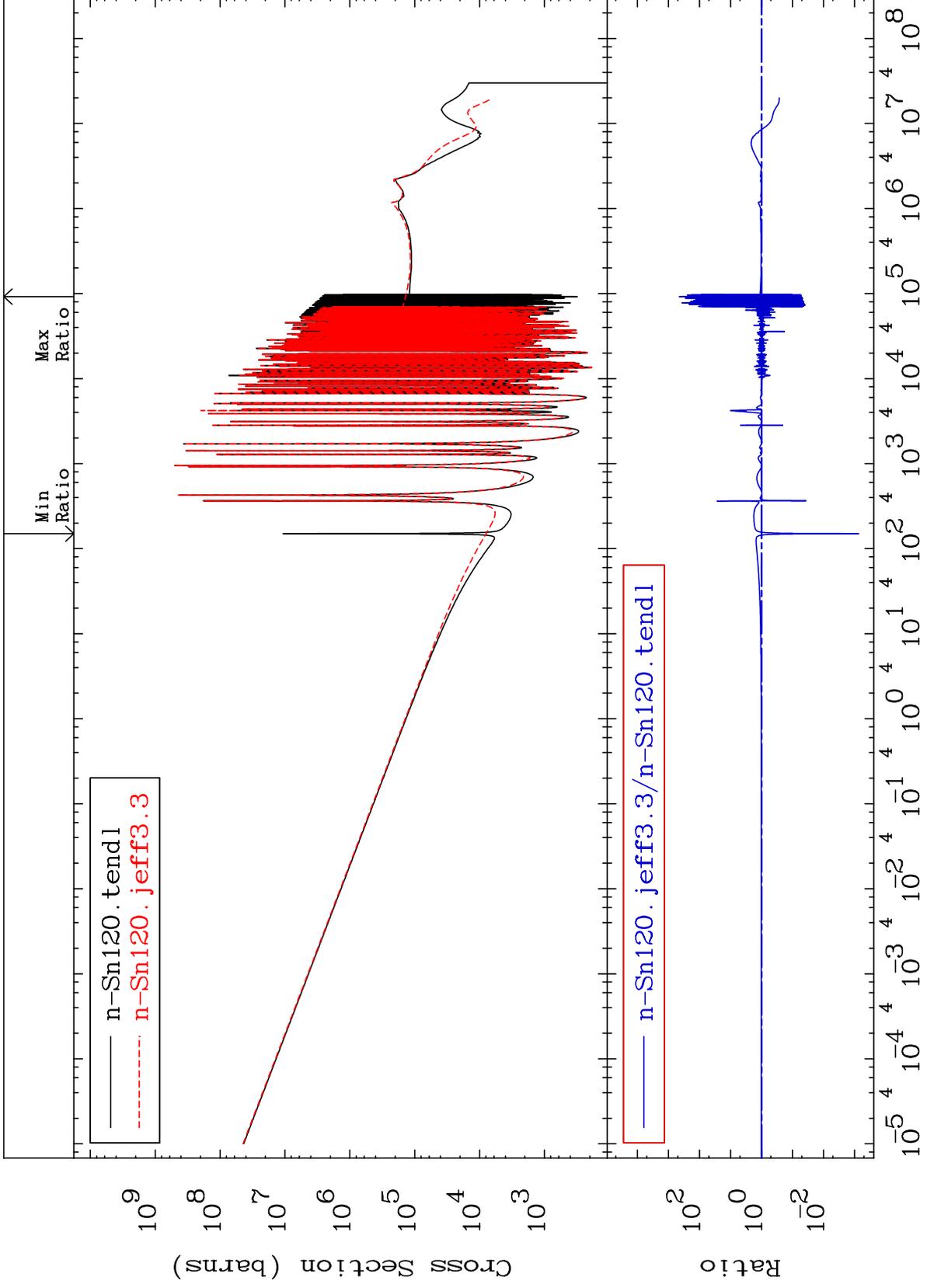
50-Sn-120  
-57.84 To 52.04 %



MAT 5049

Kerma capture (mt102)  
Cross Section

50-Sn-120  
-99.93 To 9999. %



55

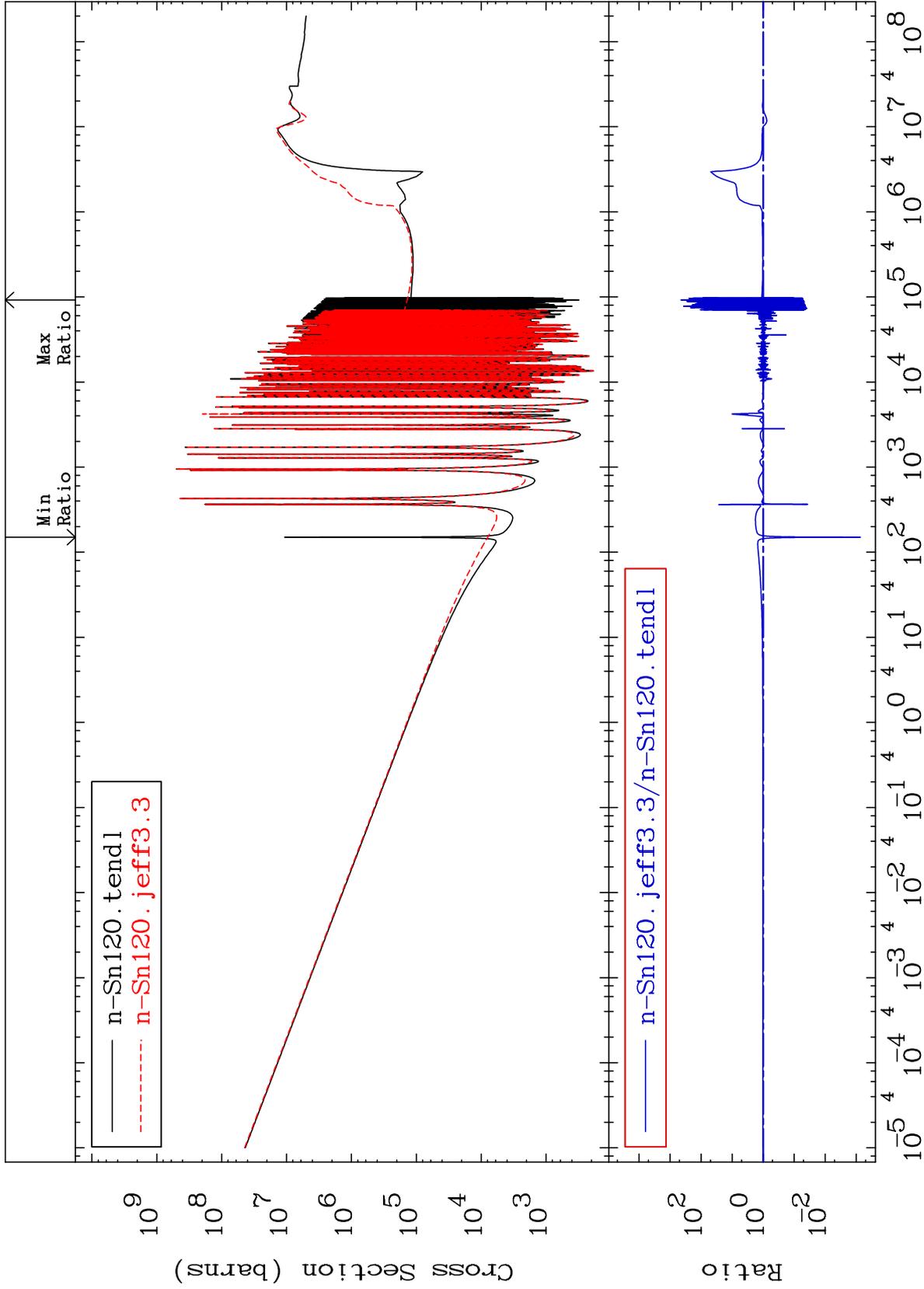
Incident Energy (eV)

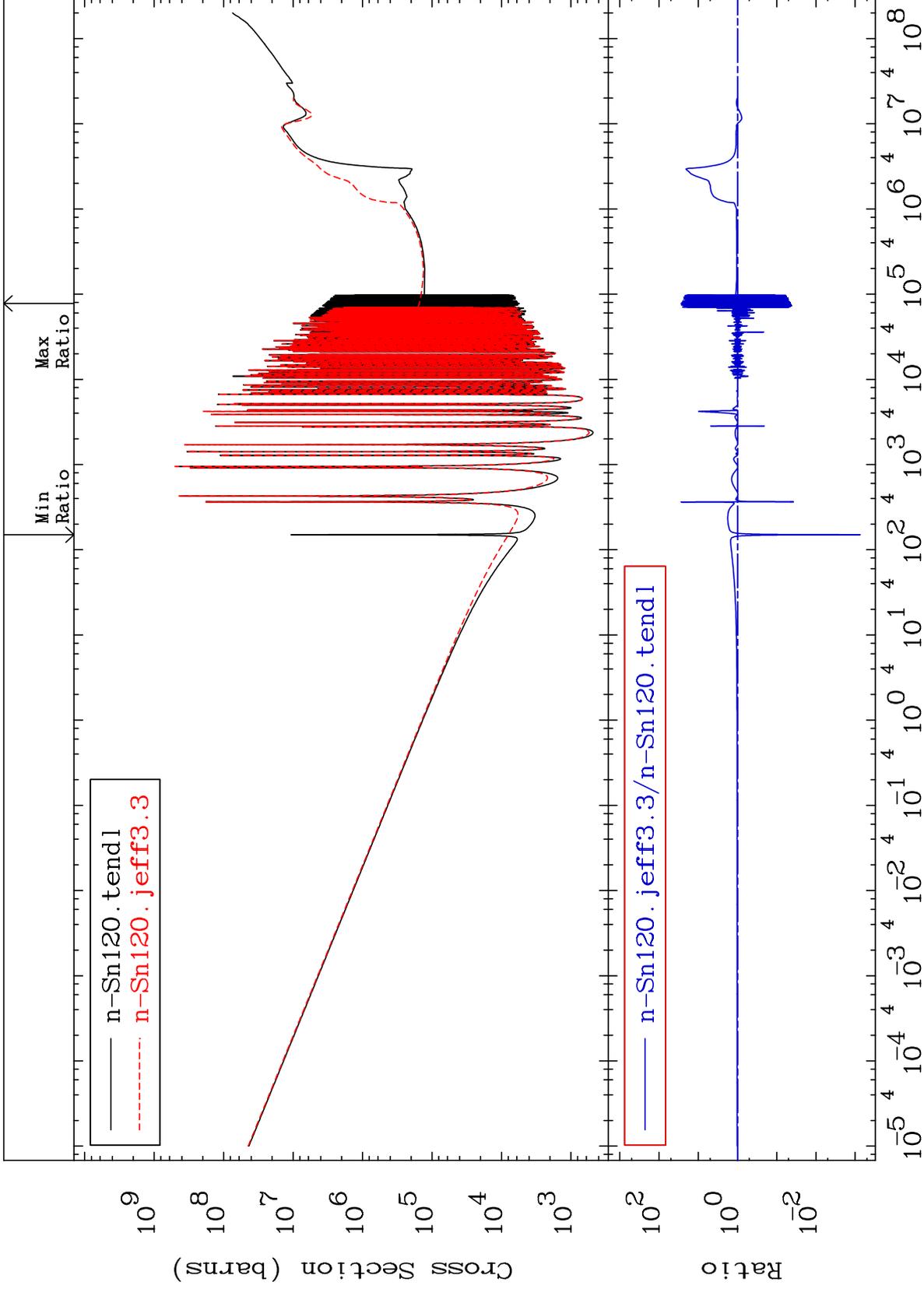
50-Sn-120

MAT 5049

Total photon (eV-barns)  
Cross Section

50-Sn-120  
-99.93 To 9999. %

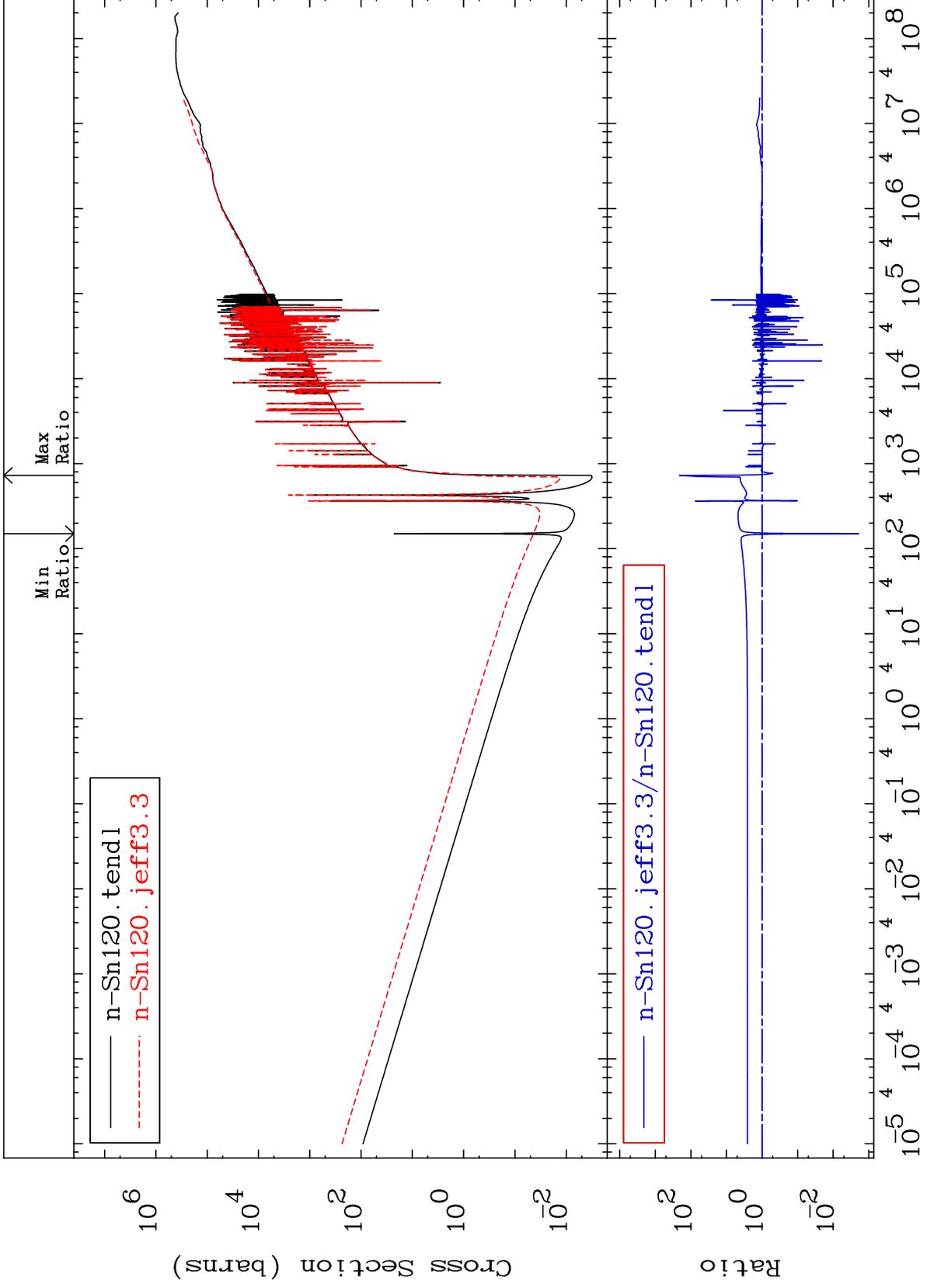




MAT 5049

Dpa total (eV-barns)  
Cross Section

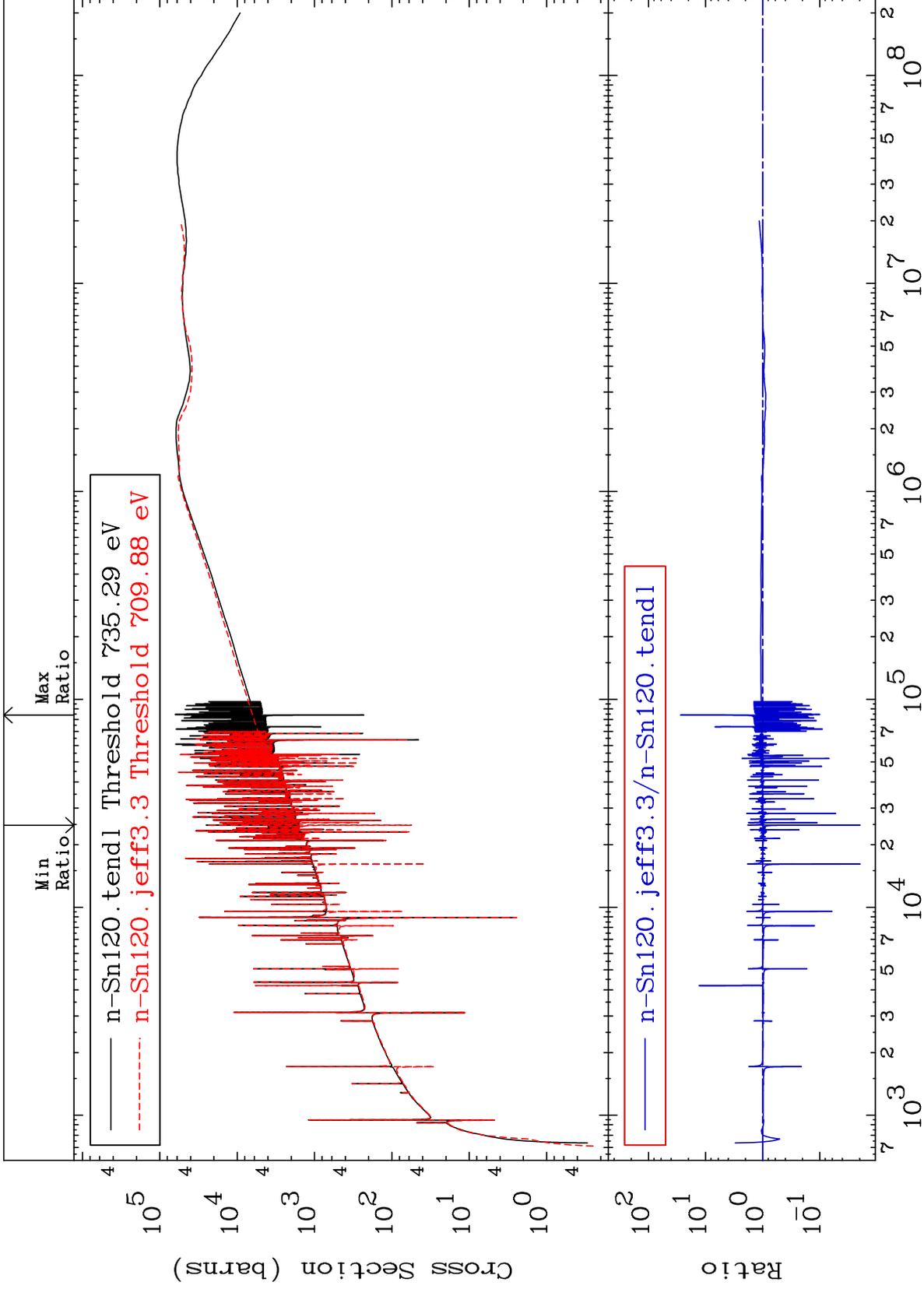
50-Sn-120  
-99.81 To 9999. %



MAT 5049

Dpa elastic (mt2)  
Cross Section

50-Sn-120  
-98.04 To 2620. %



59

Incident Energy (eV)

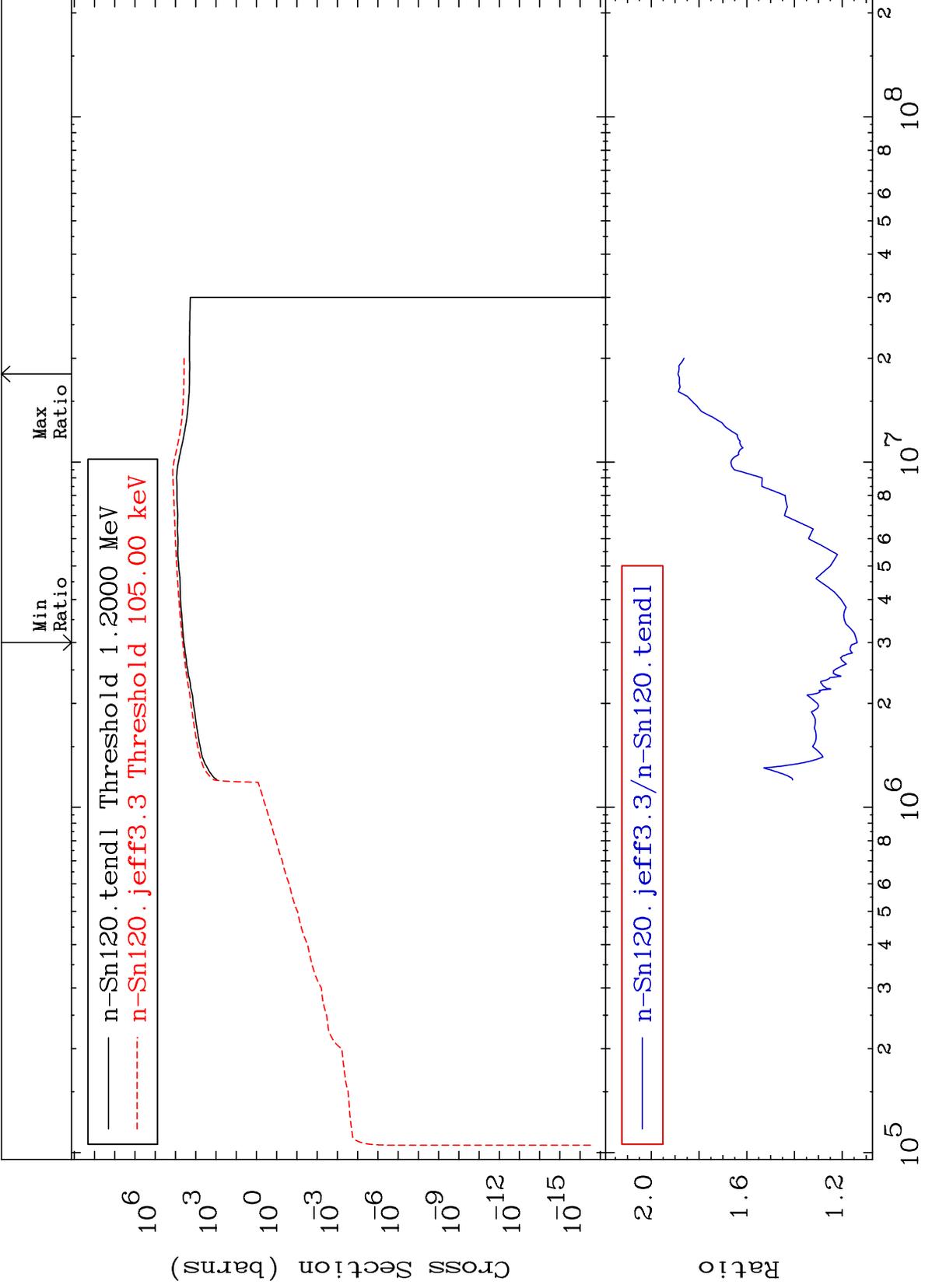
50-Sn-120

MAT 5049

Dpa inelastic (mt51-91)  
Cross Section

50-Sn-120  
13.73 To 88.79 %

— n-Sn120.tendl Threshold 1.2000 MeV  
- - - n-Sn120.jeff3.3 Threshold 105.00 keV



MAT 5049

Dpa disappearance (mt102 -120)  
Cross Section

50-Sn-120  
-99.81 To 9999. %

