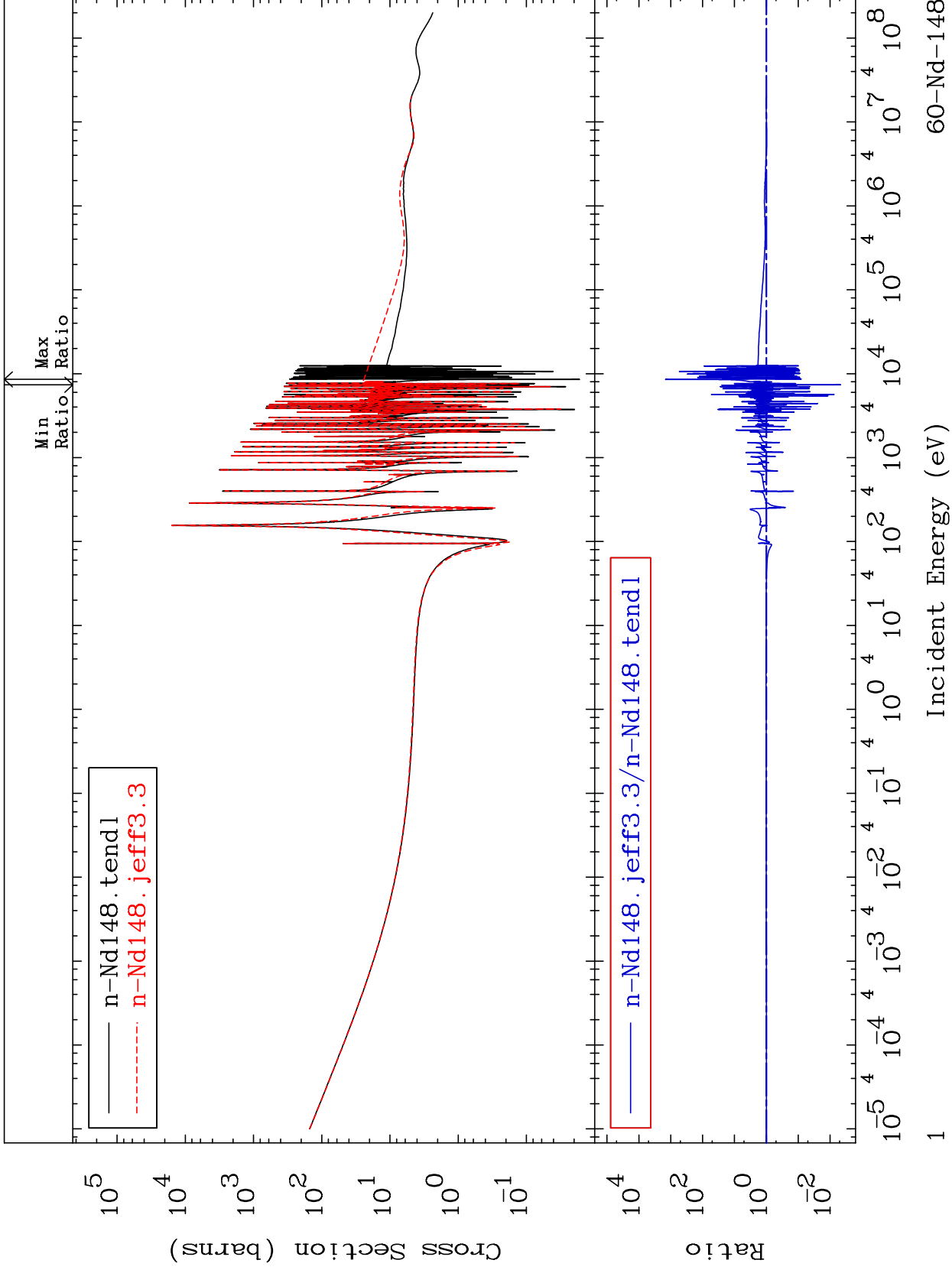


MAT 6043

Total  
Cross Section

60-Nd-148  
-99.54 To 9999. %

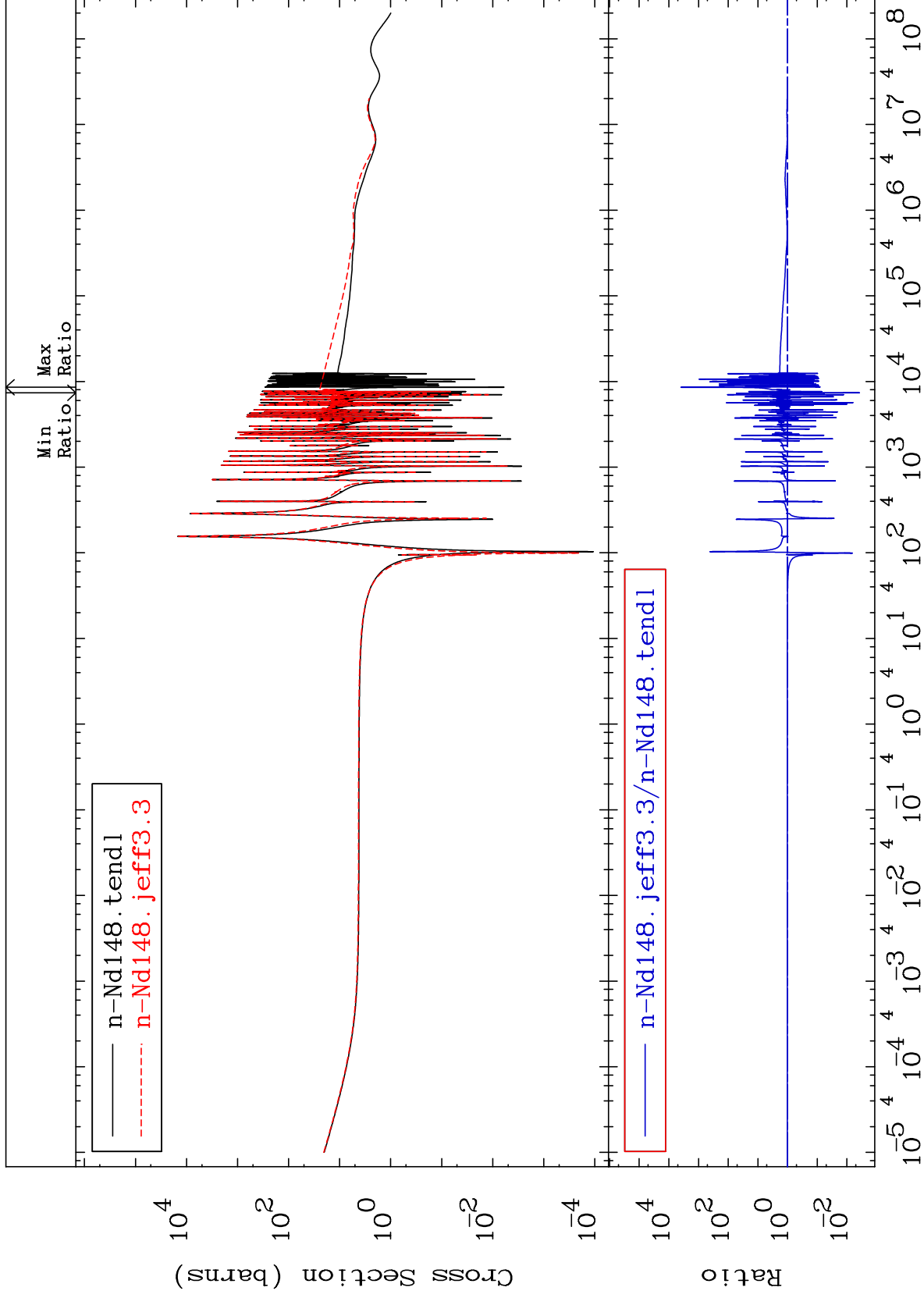


60-Nd-148

MAT 6043

Elastic  
Cross Section

60-Nd-148  
-99.63 To 9999. %



2

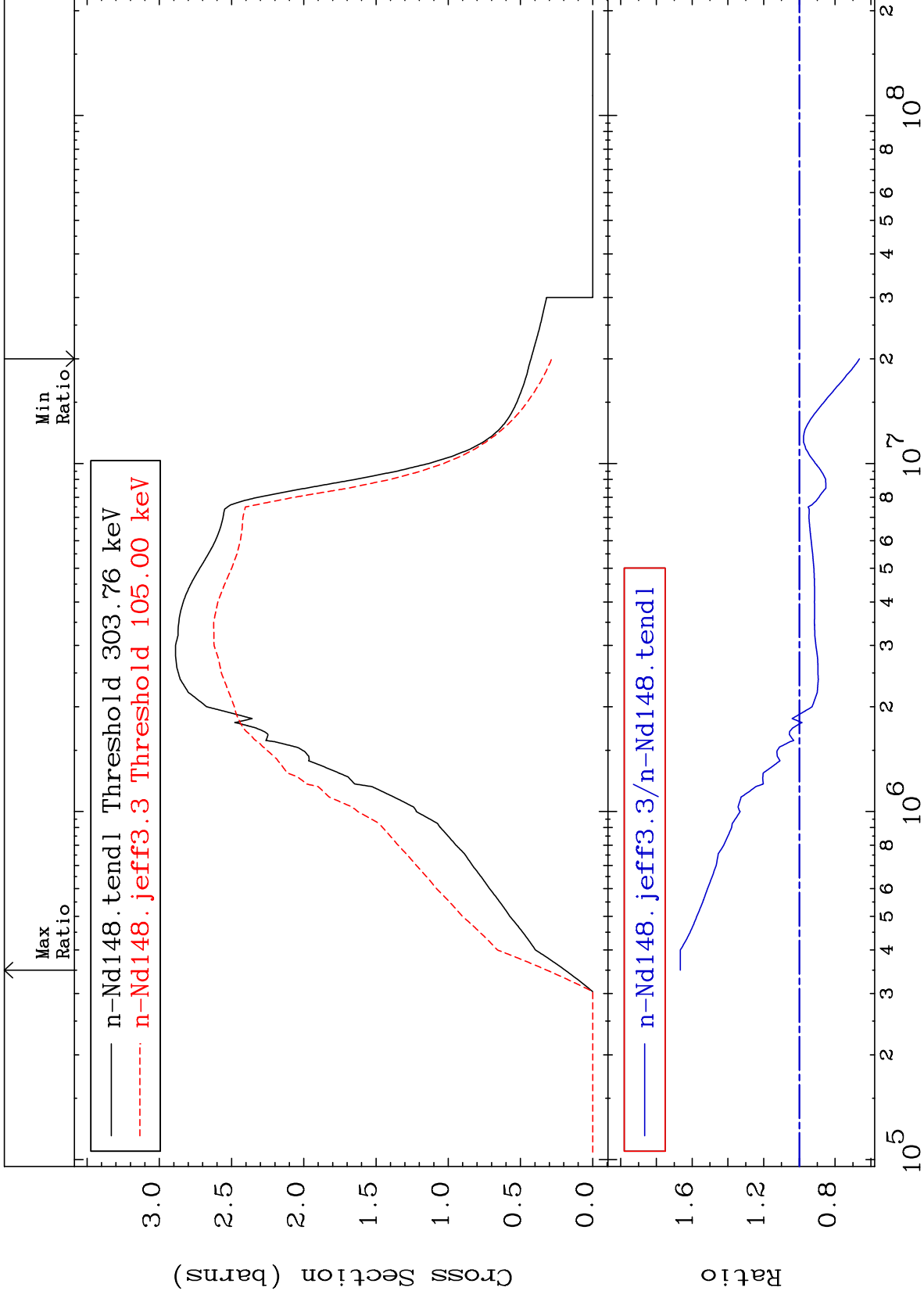
Incident Energy (eV)

60-Nd-148

MAT 6043

Inelastic  
Cross Section

60-Nd-148  
-33.62 To 66.60 %



60-Nd-148

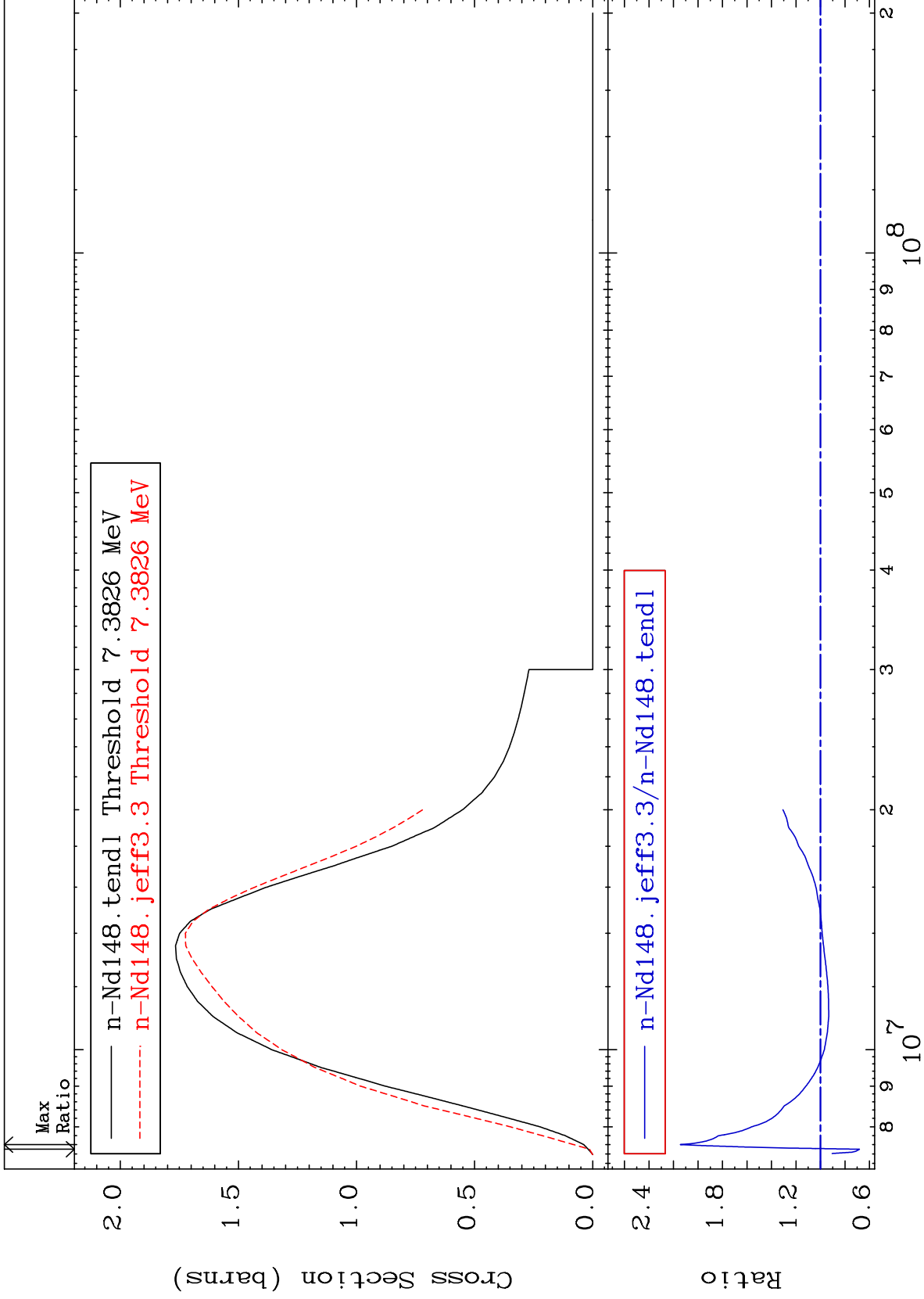
MAT 6043

(n,2n)

60-Nd-148

Cross Section

-31.81 To 114.4 %



4

60-Nd-148

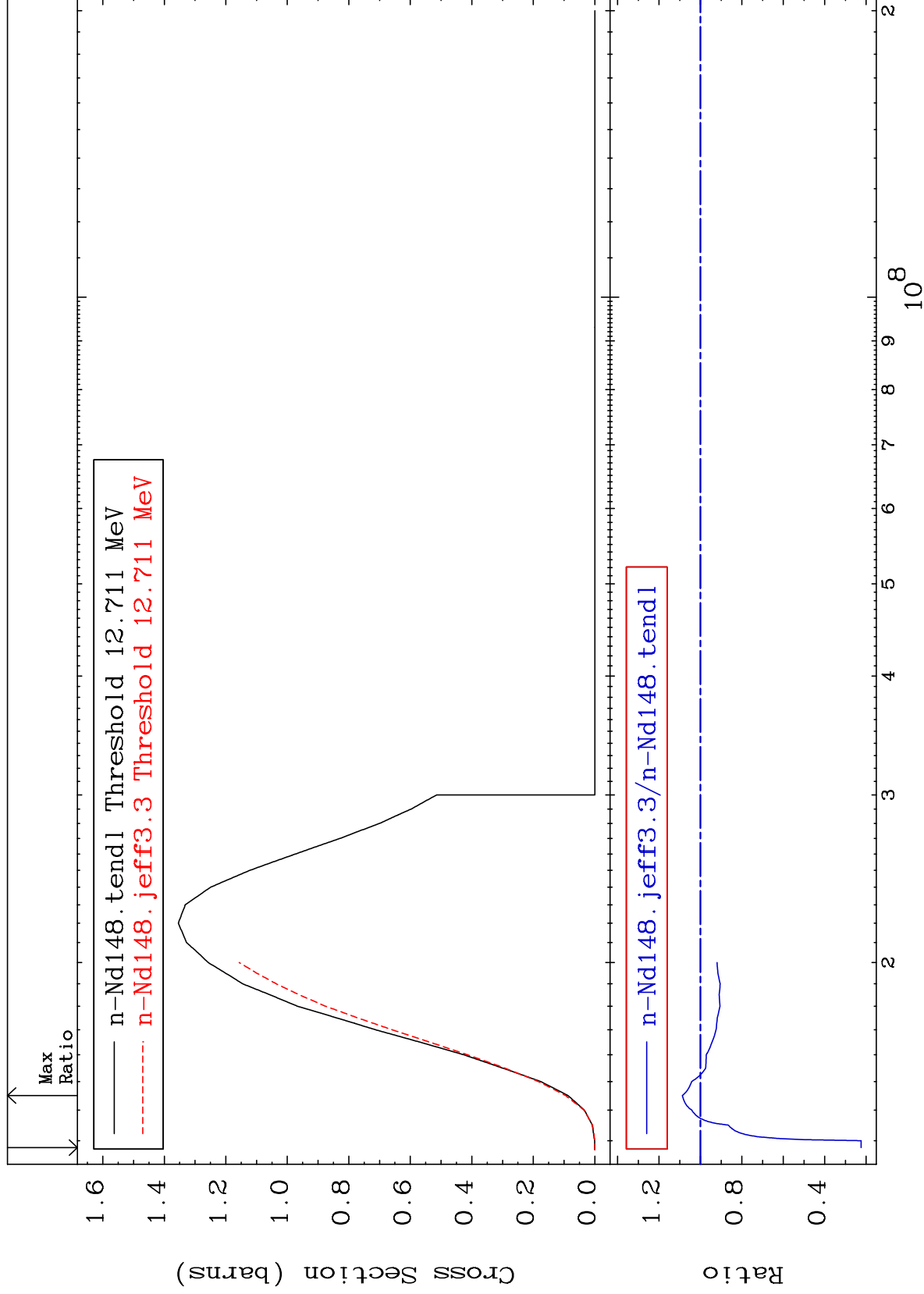
MAT 6043

(n,3n)

60-Nd-148

Cross Section

-77.58 To 8.746 %

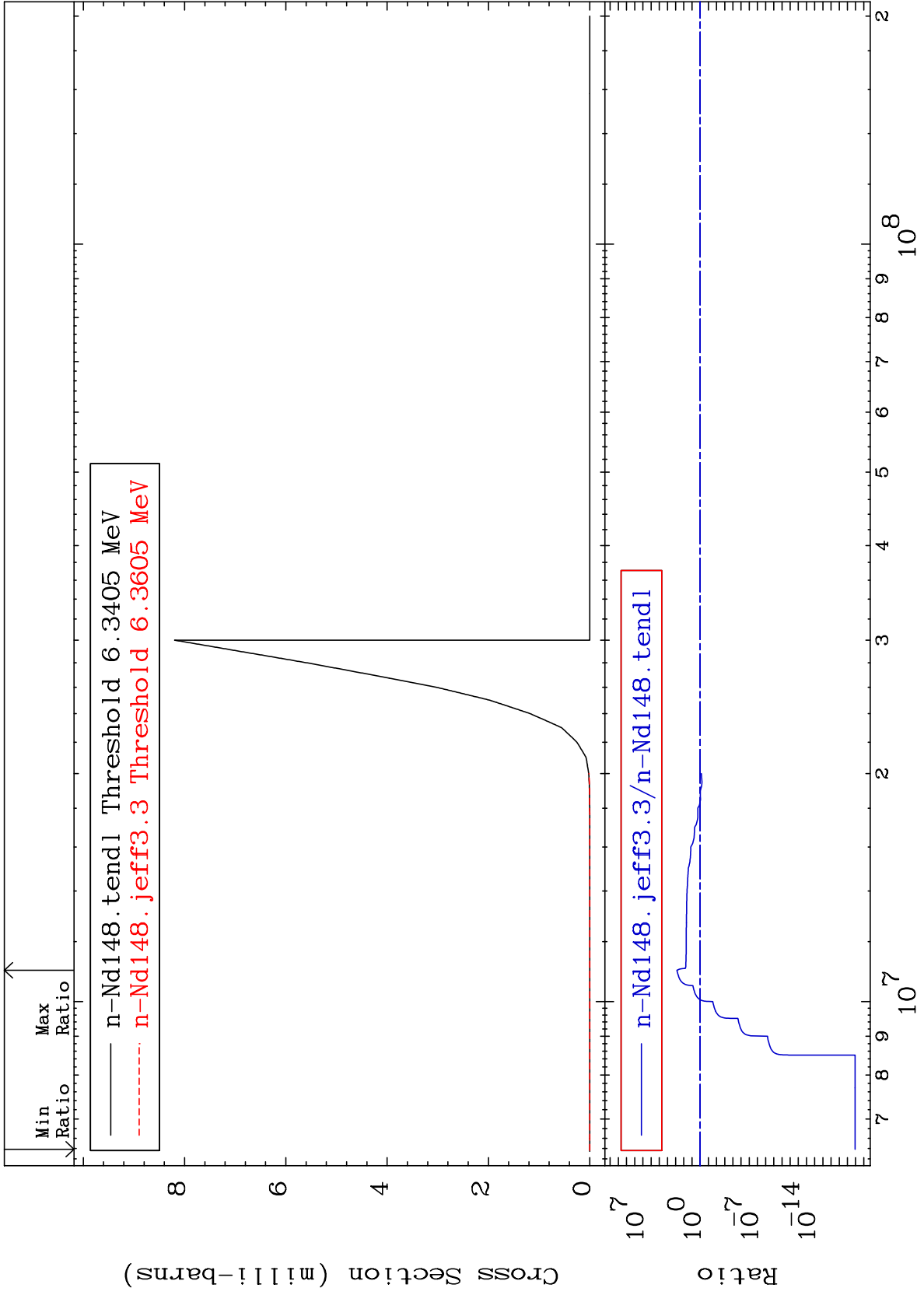




MAT 6043

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

60-Nd-148  
-100.0 To 9999. %



7

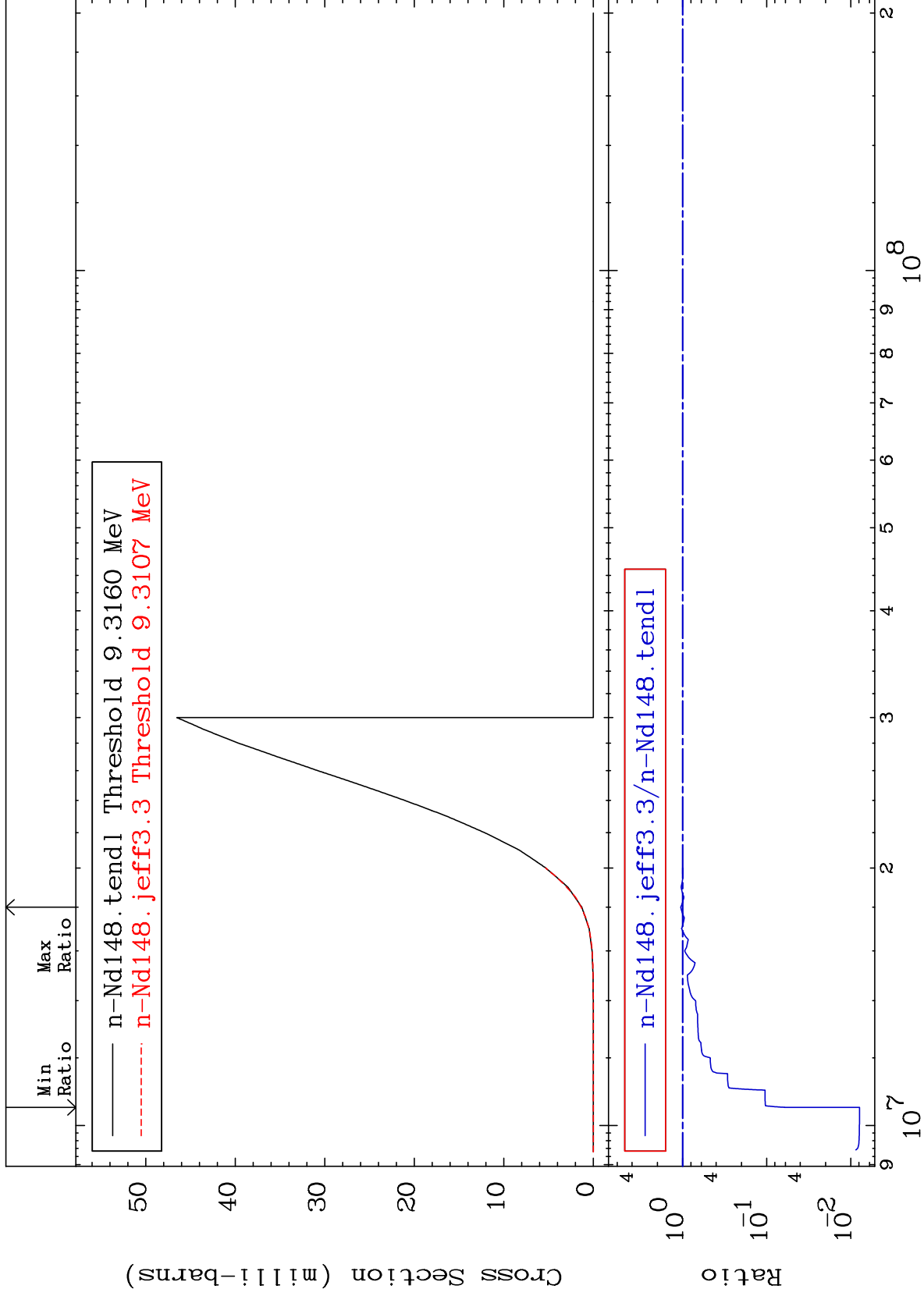
Incident Energy (eV)

60-Nd-148

MAT 6043

(n,n') p  
Cross Section

60-Nd-148  
-99.21 To 5.420 %



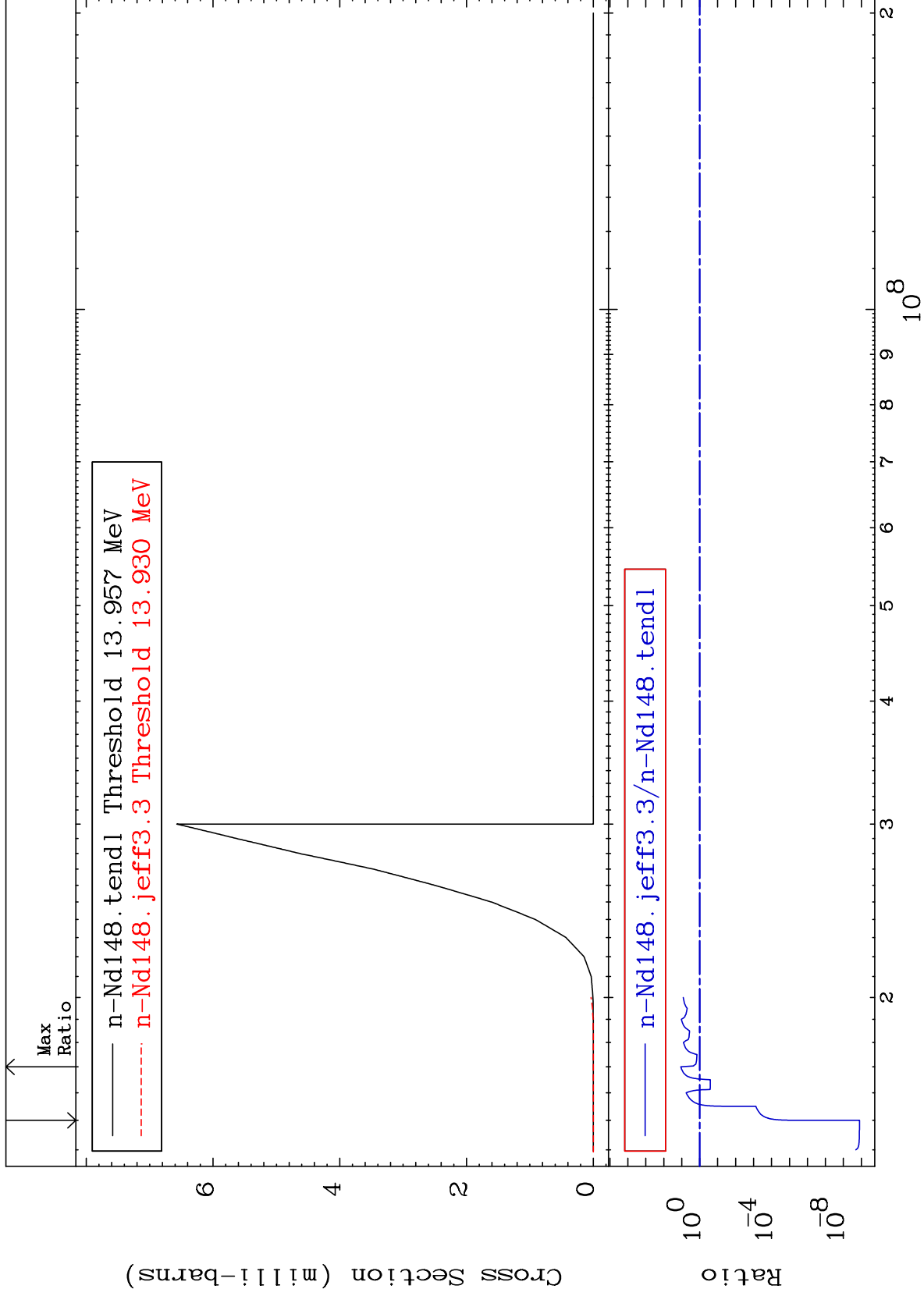
60-Nd-148



MAT 6043

(n,n') d  
Cross Section

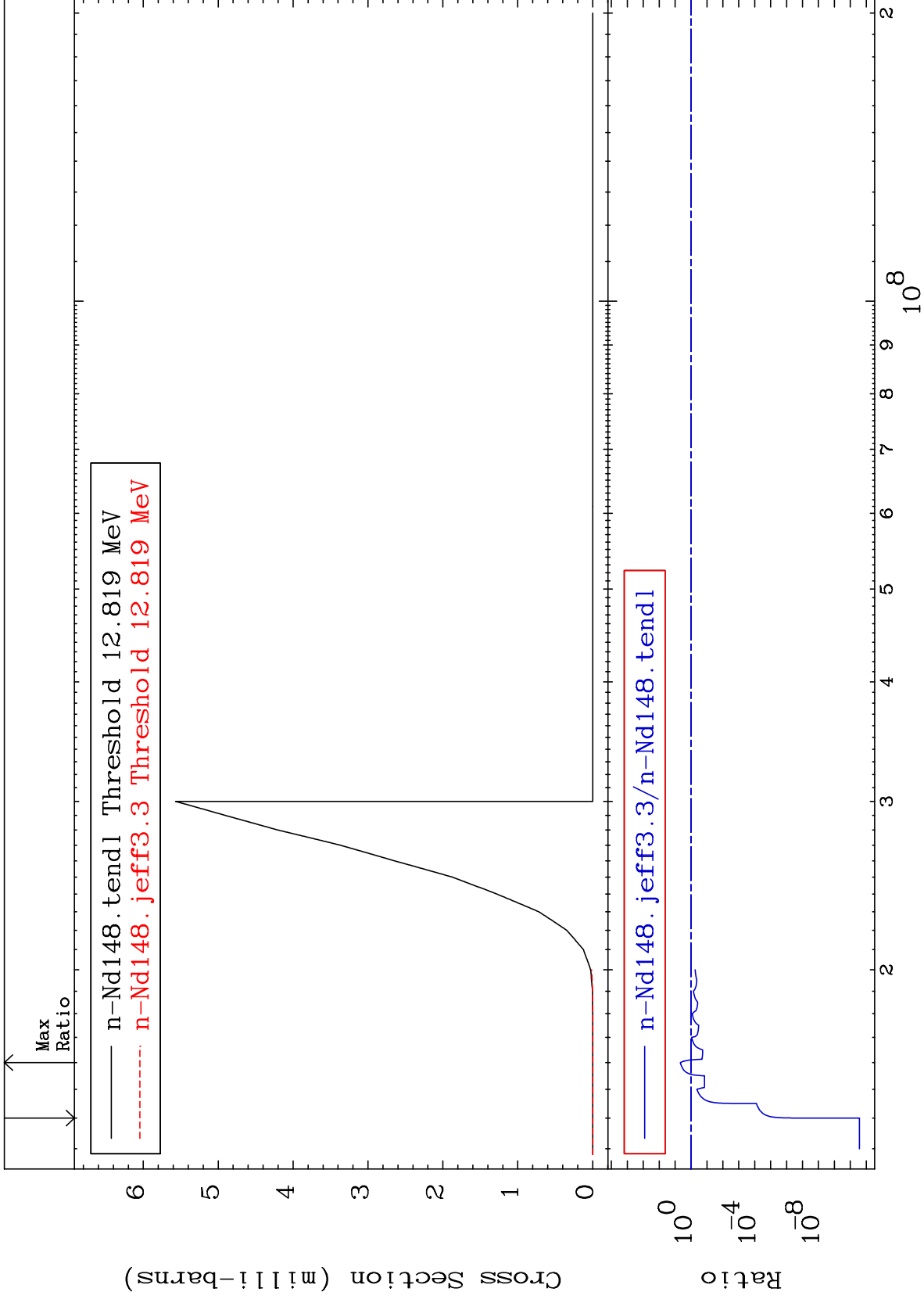
60-Nd-148  
-100.0 To 1032. %



MAT 6043

(n,n') t  
Cross Section

60-Nd-148  
-100.0 To 366.7 %



10

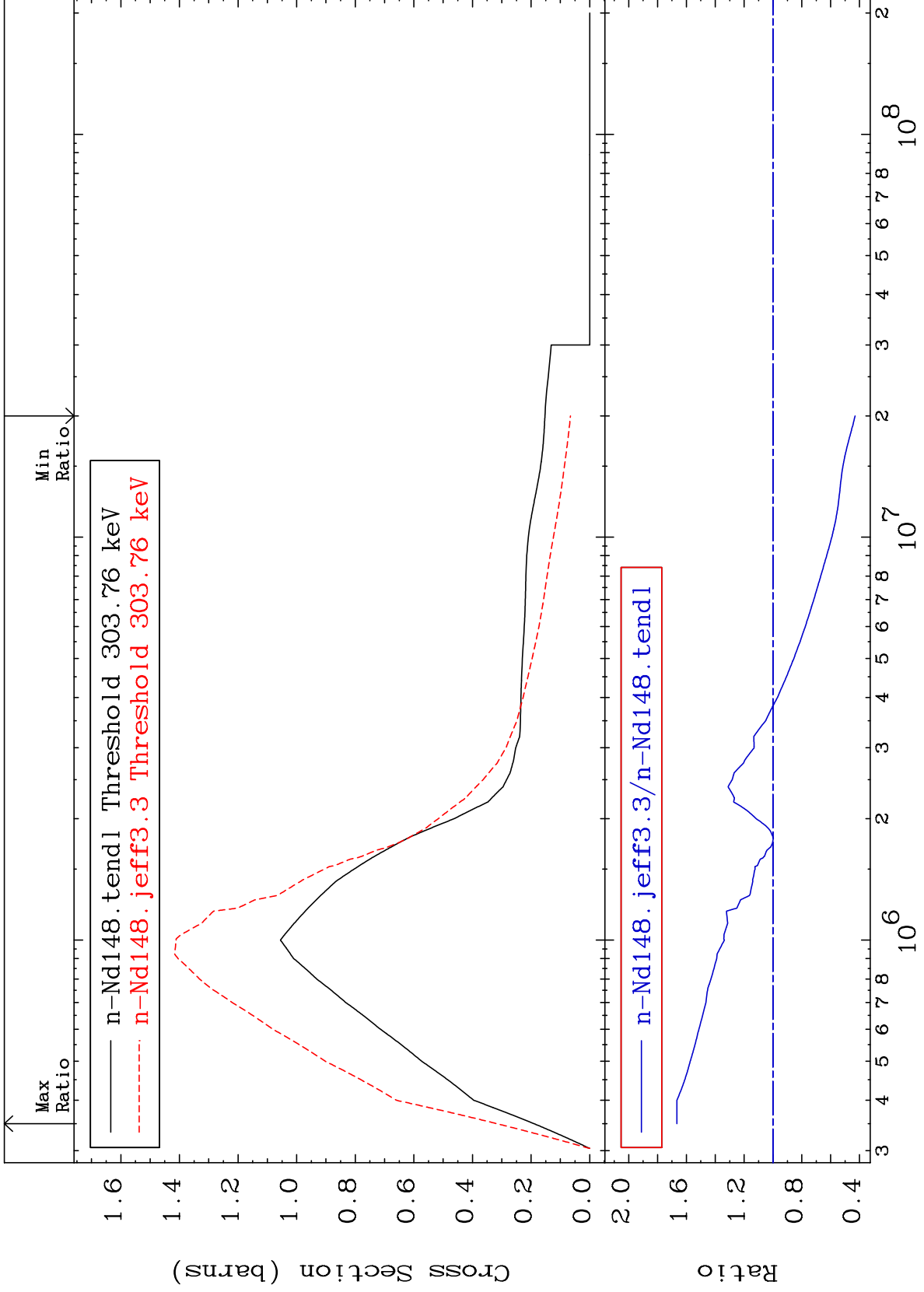
Incident Energy (eV)

60-Nd-148

MAT 6043

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

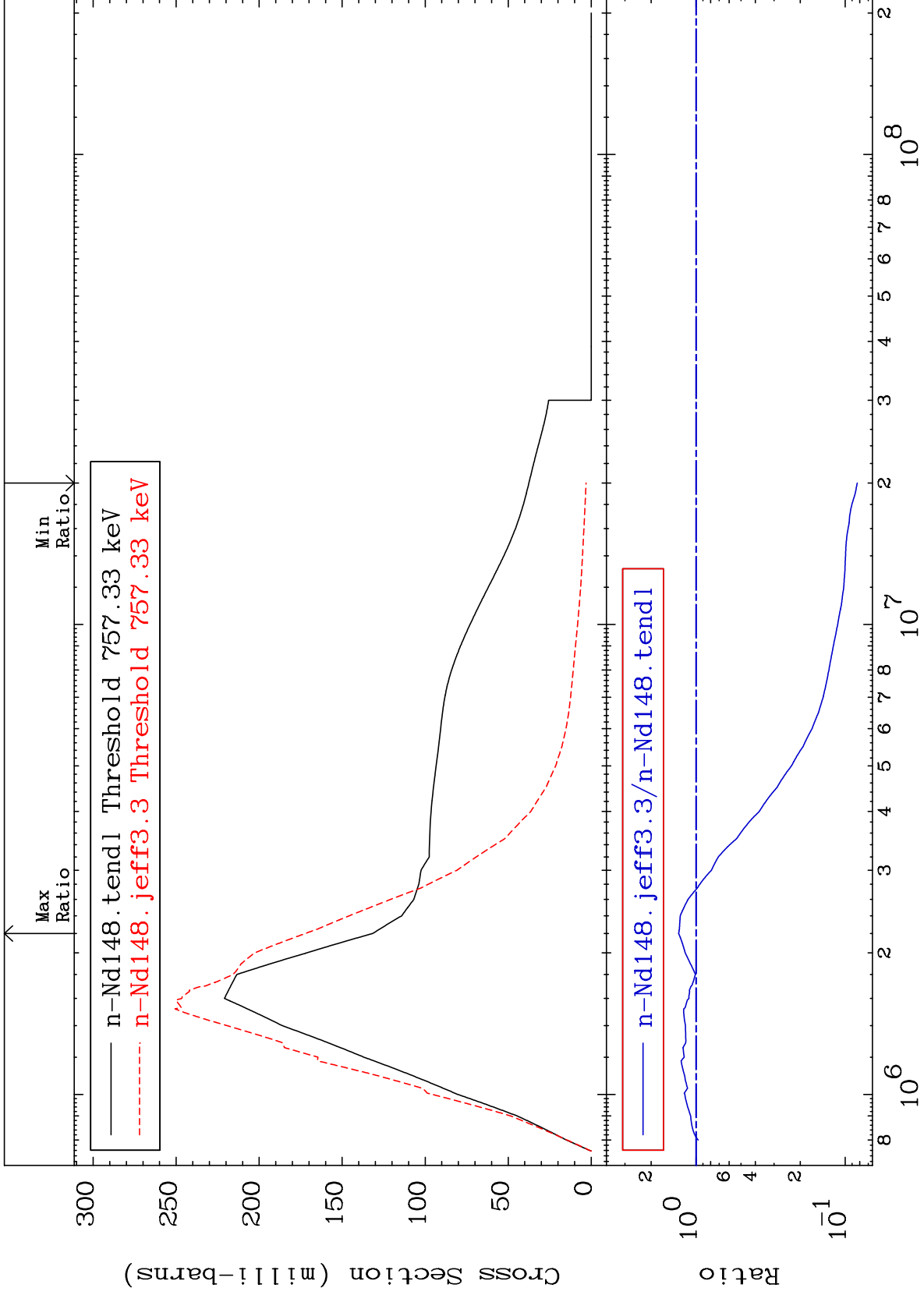
60-Nd-148  
-56.92 To 66.57 %



MAT 6043

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

60-Nd-148  
-91.69 To 30.87 %



12

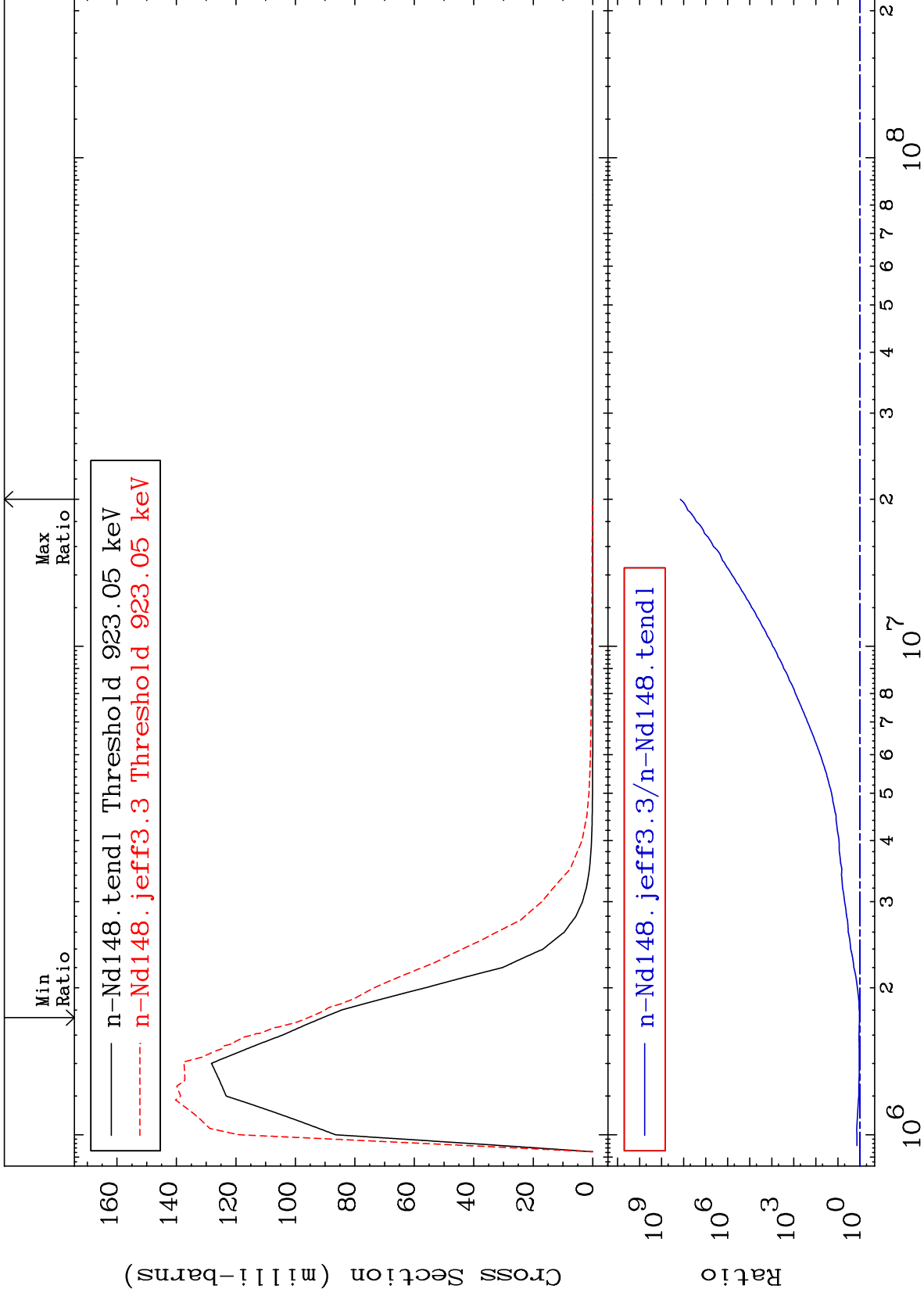
Incident Energy (eV)

60-Nd-148

MAT 6043

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

60-Nd-148  
To 9999. %  
5.309



13

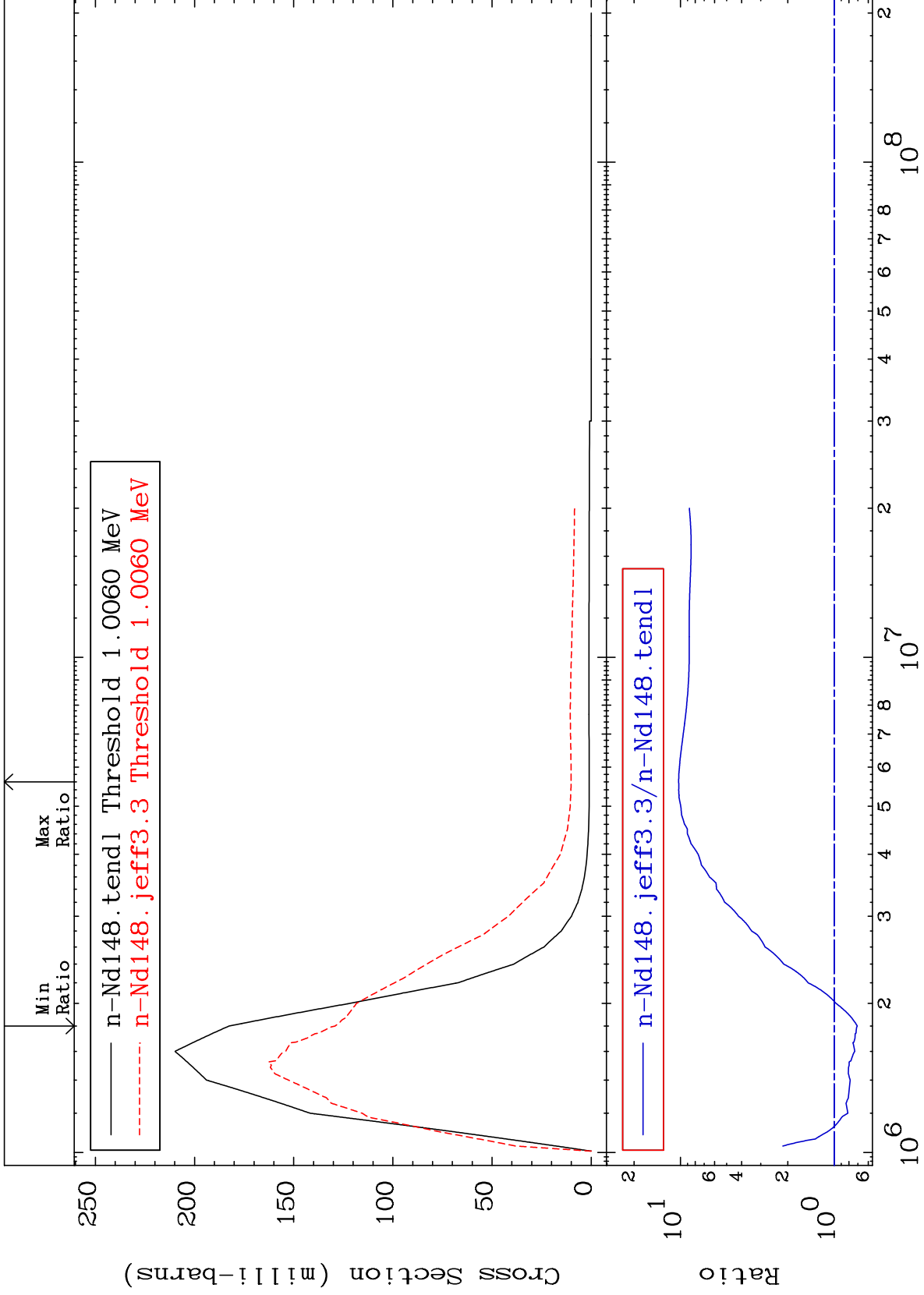
Incident Energy (eV)

60-Nd-148

MAT 6043

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

60-Nd-148  
-29.27 To 926.8 %



14

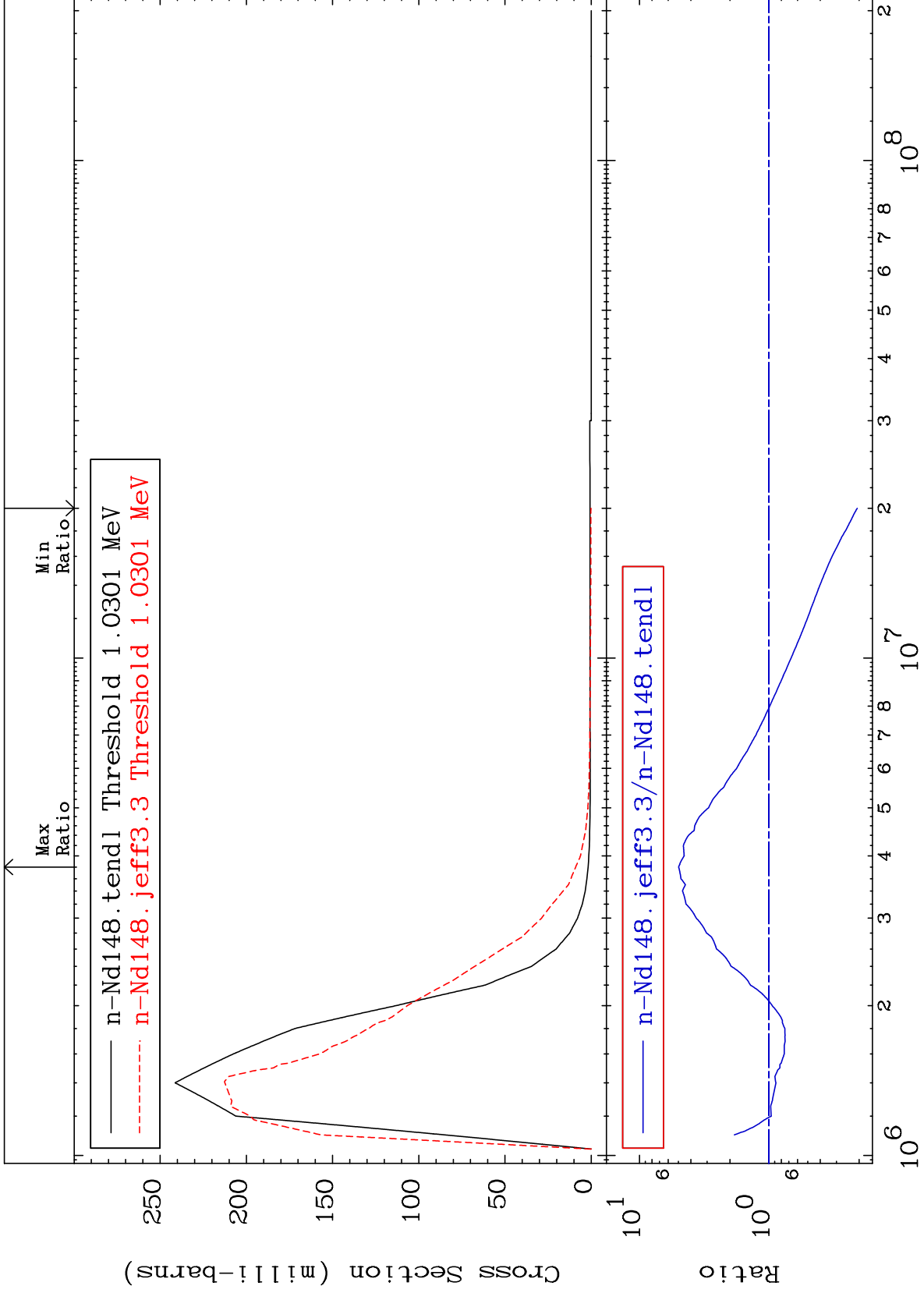
Incident Energy (eV)

60-Nd-148

MAT 6043

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

60-Nd-148  
-79.29 To 397.8 %



15

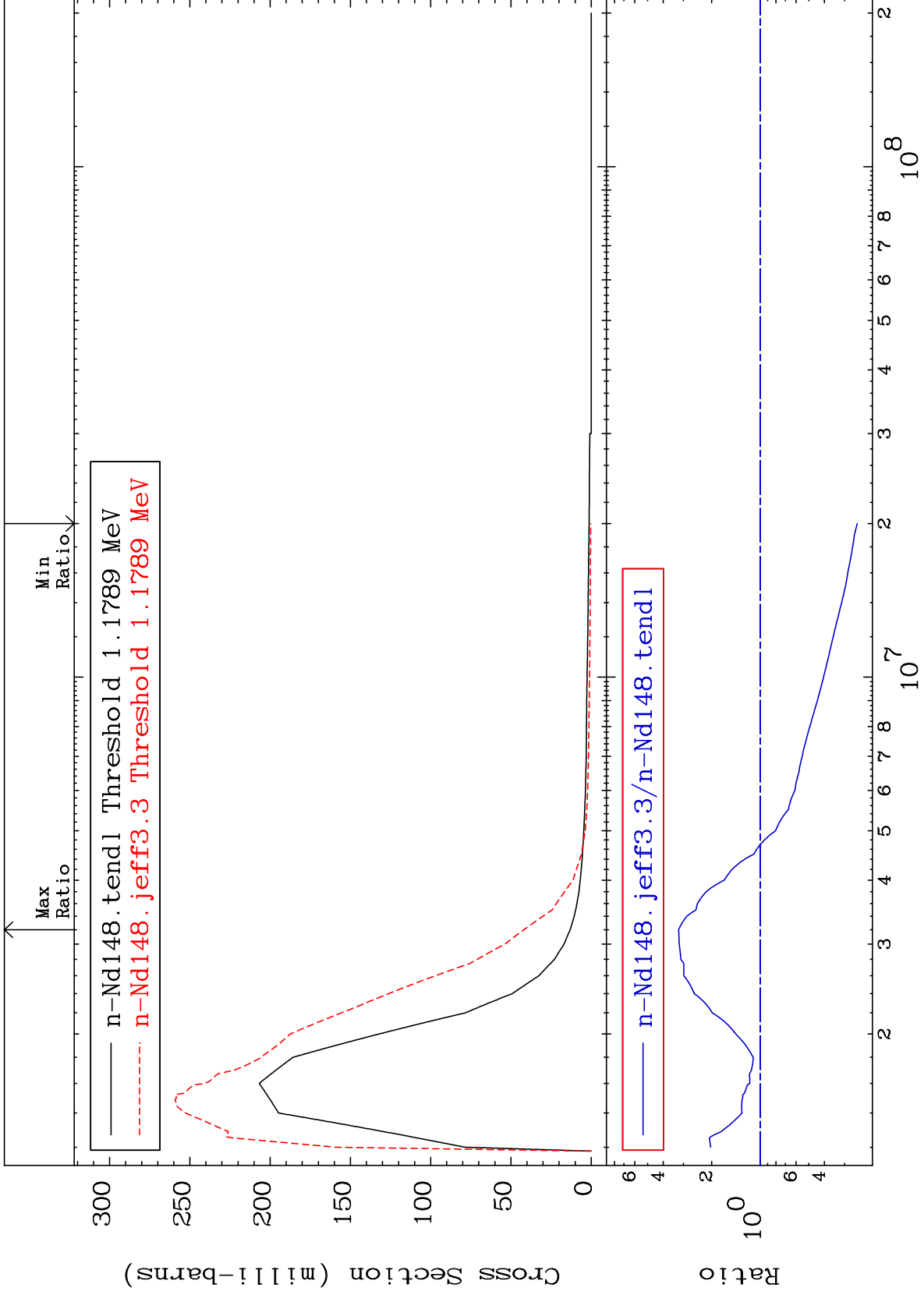
Incident Energy (eV)

60-Nd-148

MAT 6043

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

60-Nd-148  
-74.97 To 220.7 %

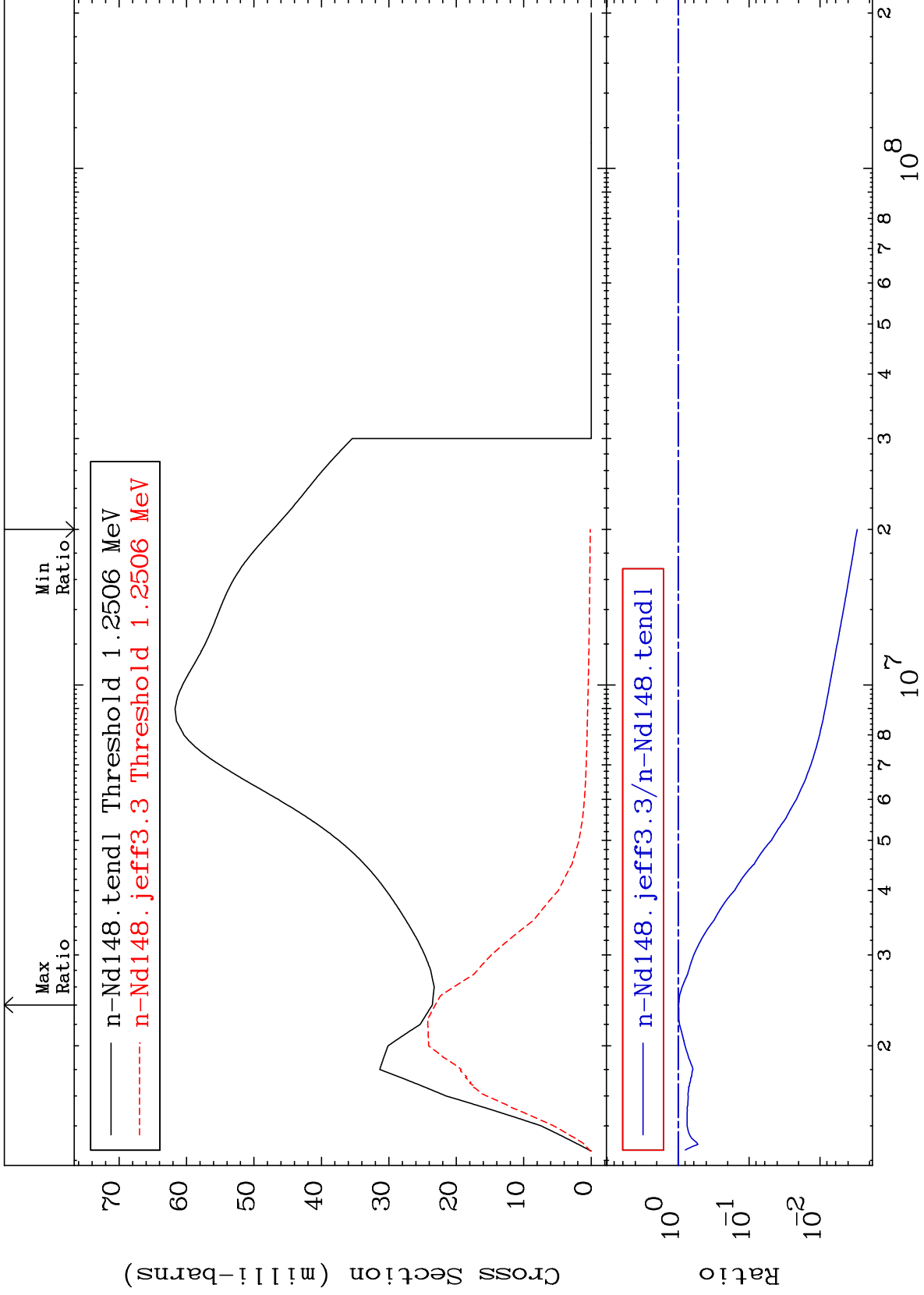




MAT 6043

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

60-Nd-148  
-99.70 To -1.801%



17

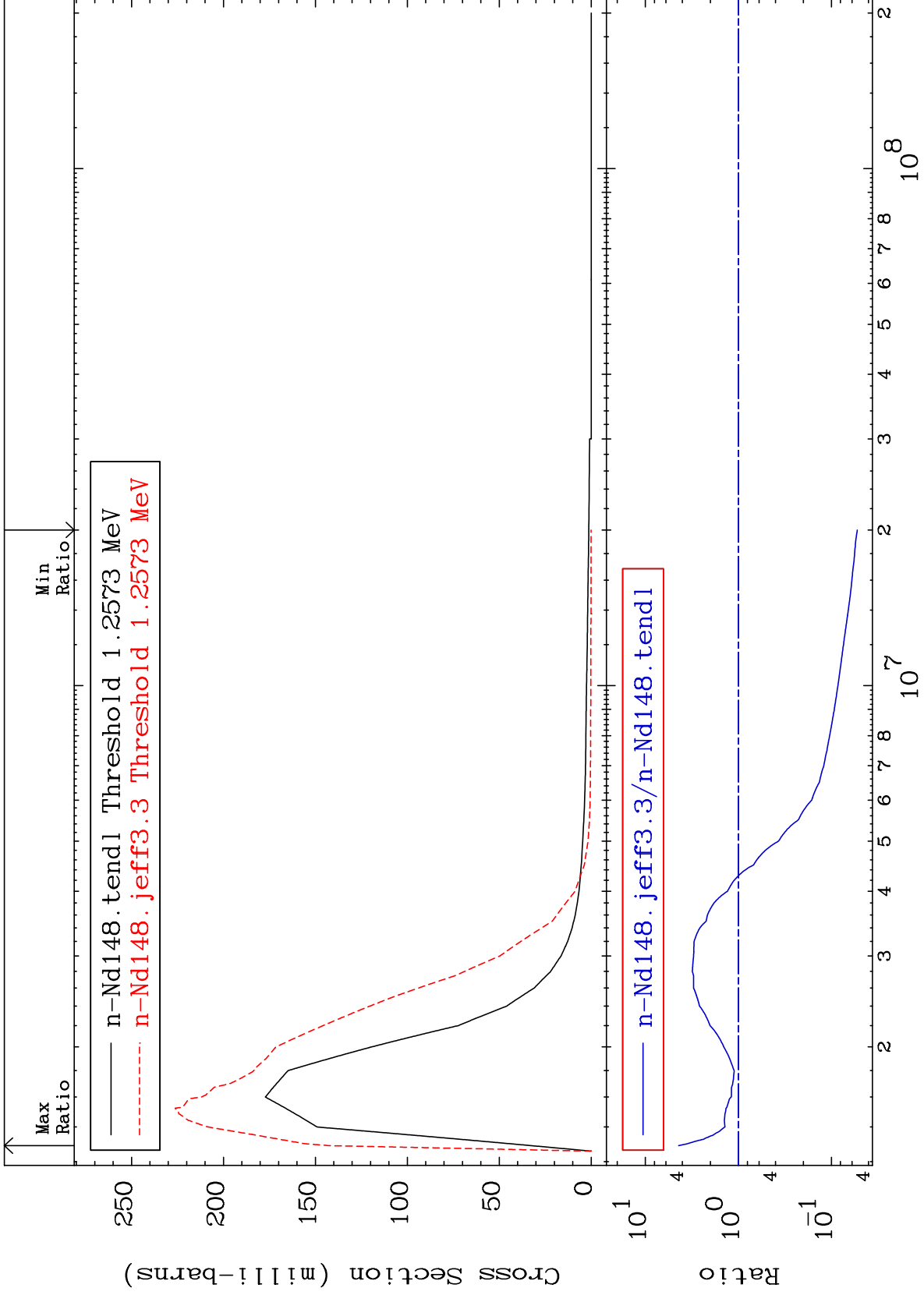
Incident Energy (eV)

60-Nd-148

MAT 6043

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

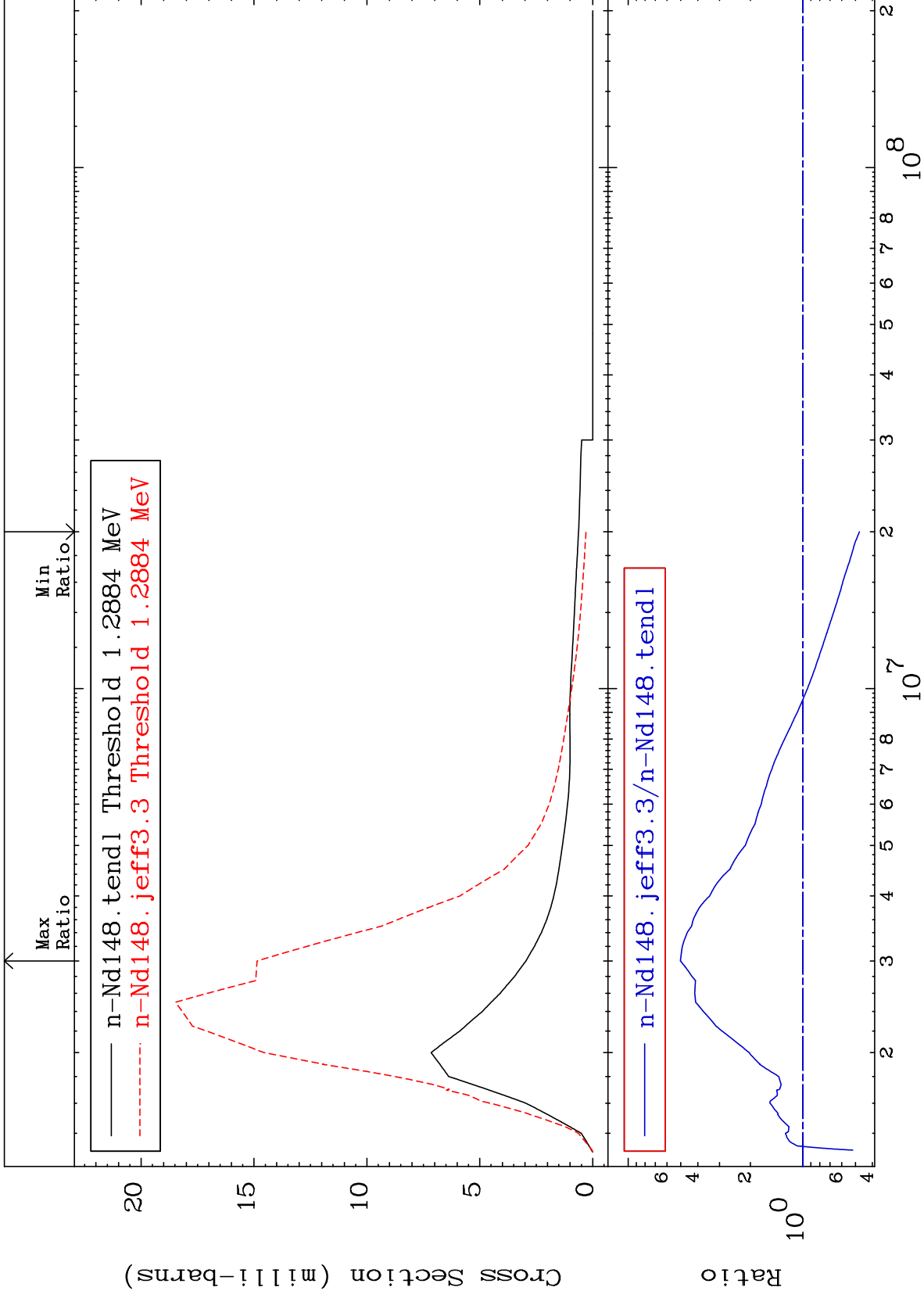
60-Nd-148  
-94.72 To 338.9 %



MAT 6043

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

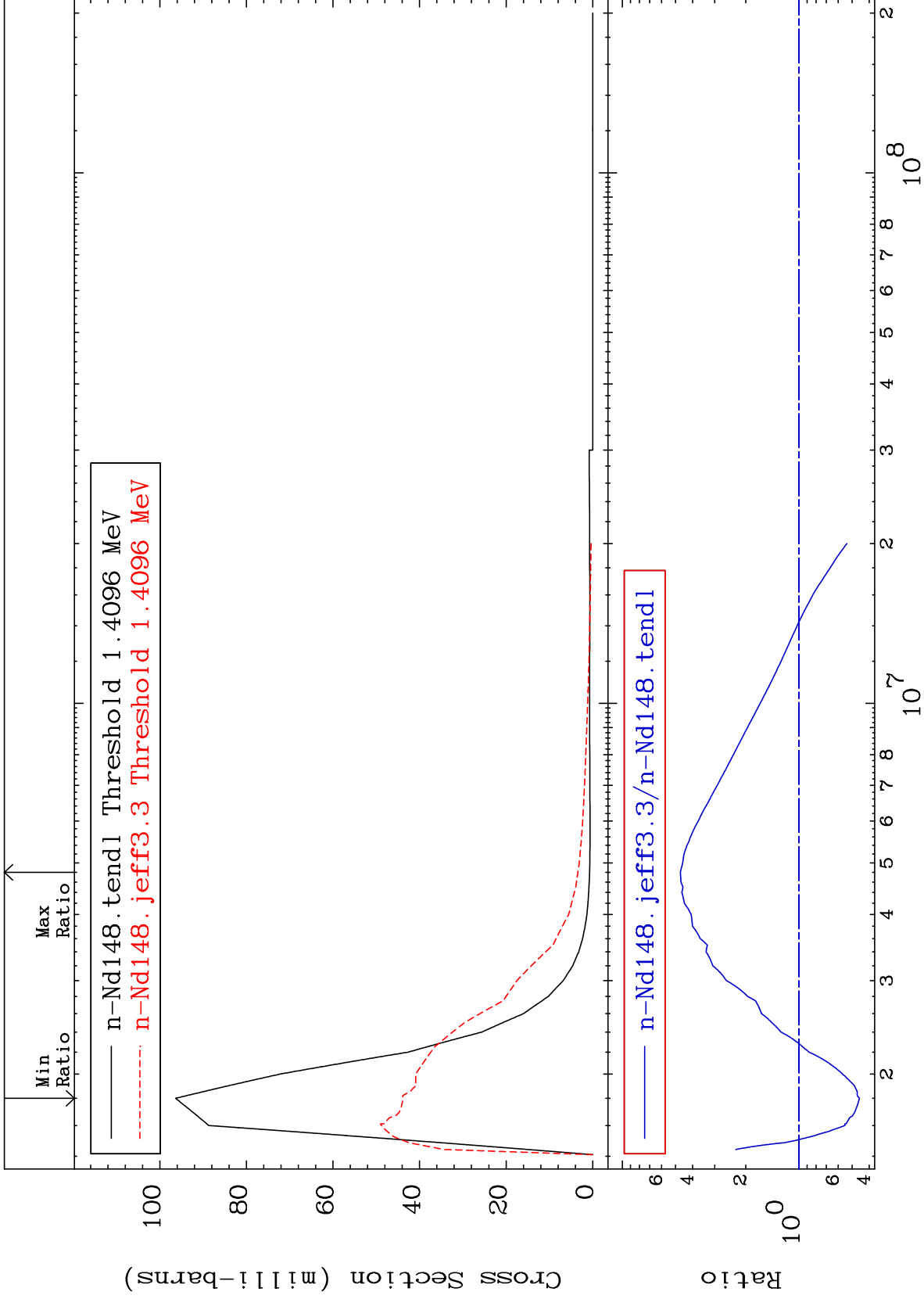
60-Nd-148  
-52.53 To 403.0 %



MAT 6043

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

60-Nd-148  
-54.50 To 369.3 %



20

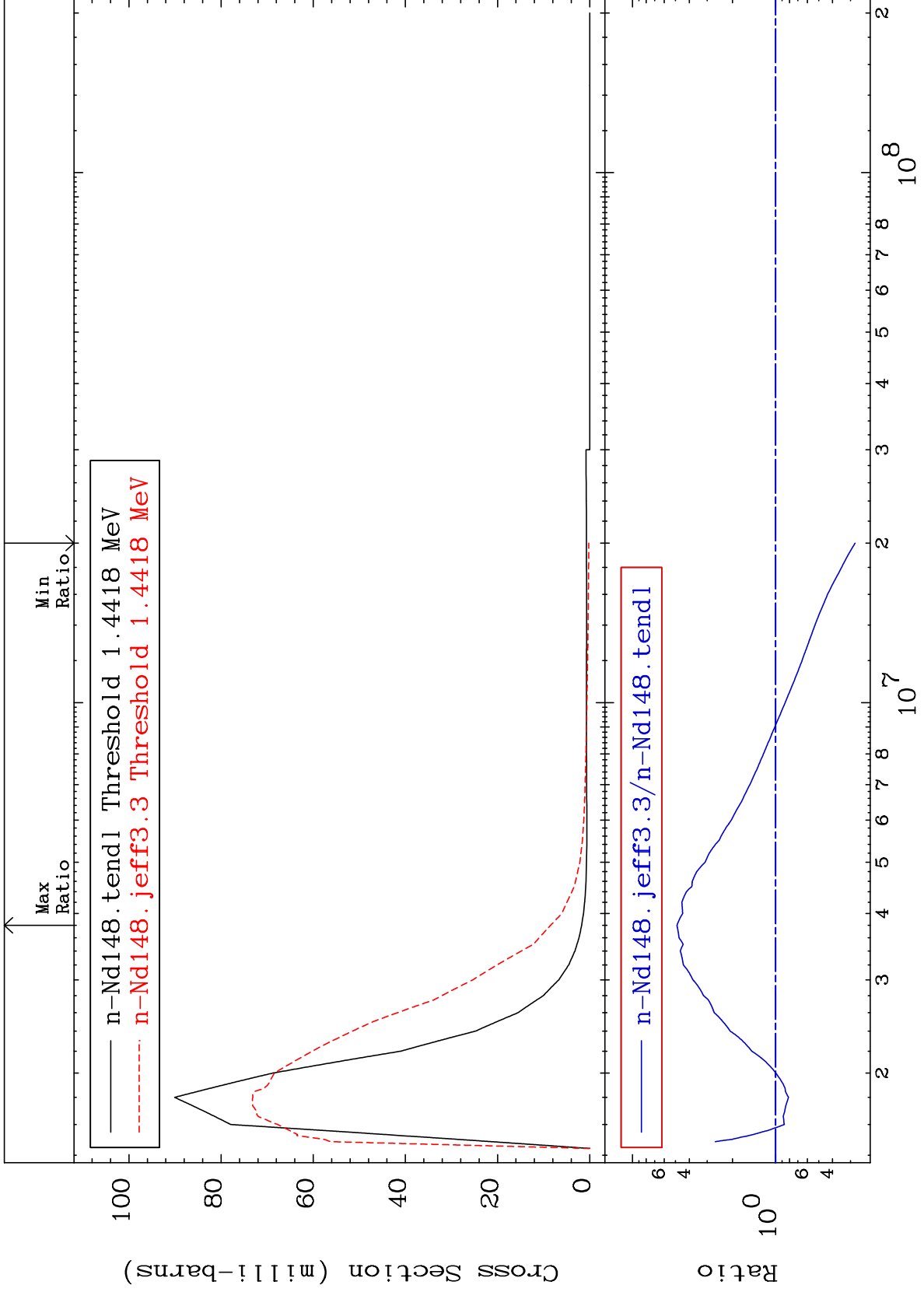
Incident Energy (eV)

60-Nd-148

MAT 6043

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

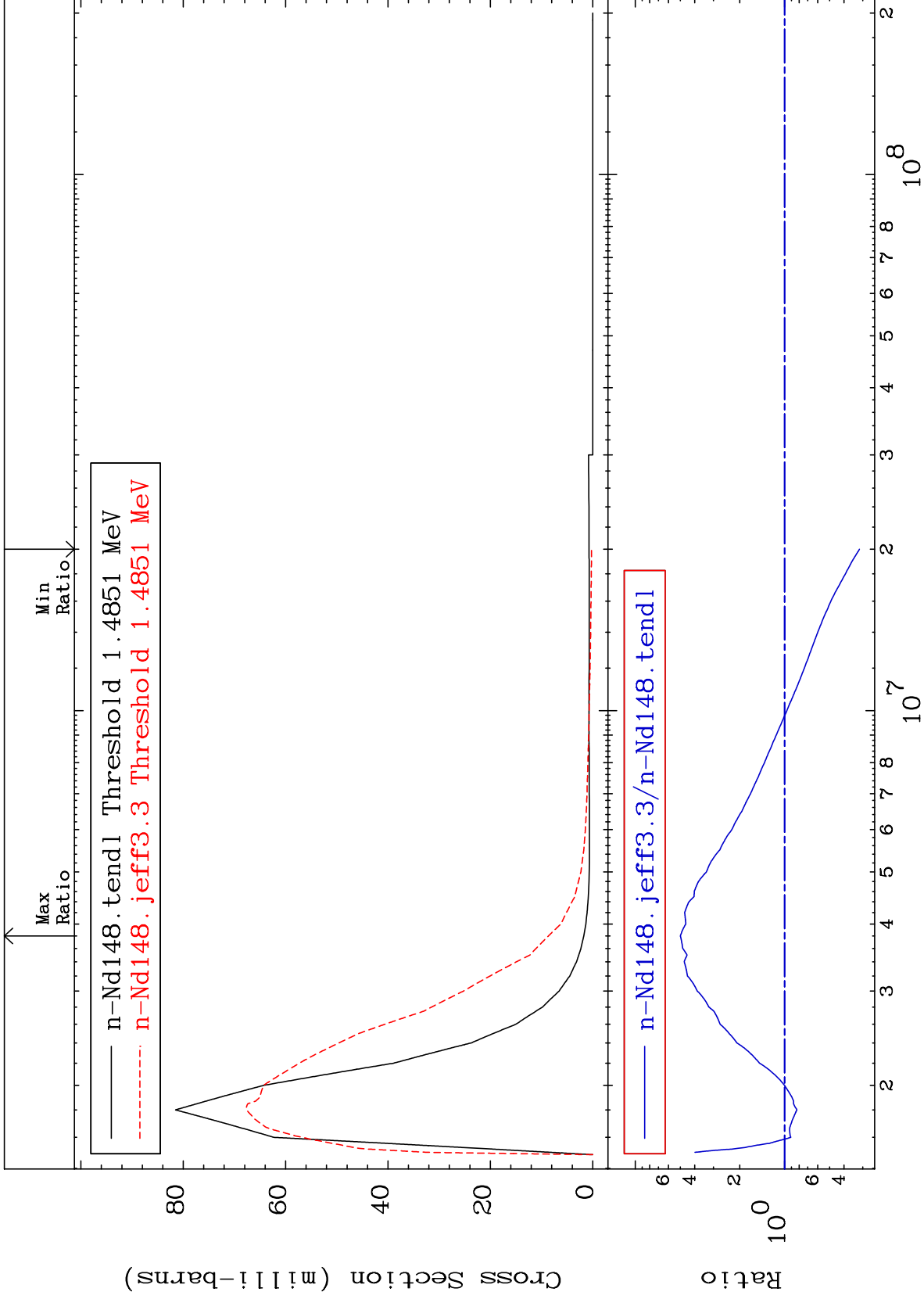
60-Nd-148  
-72.16 To 388.7 %



MAT 6043

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

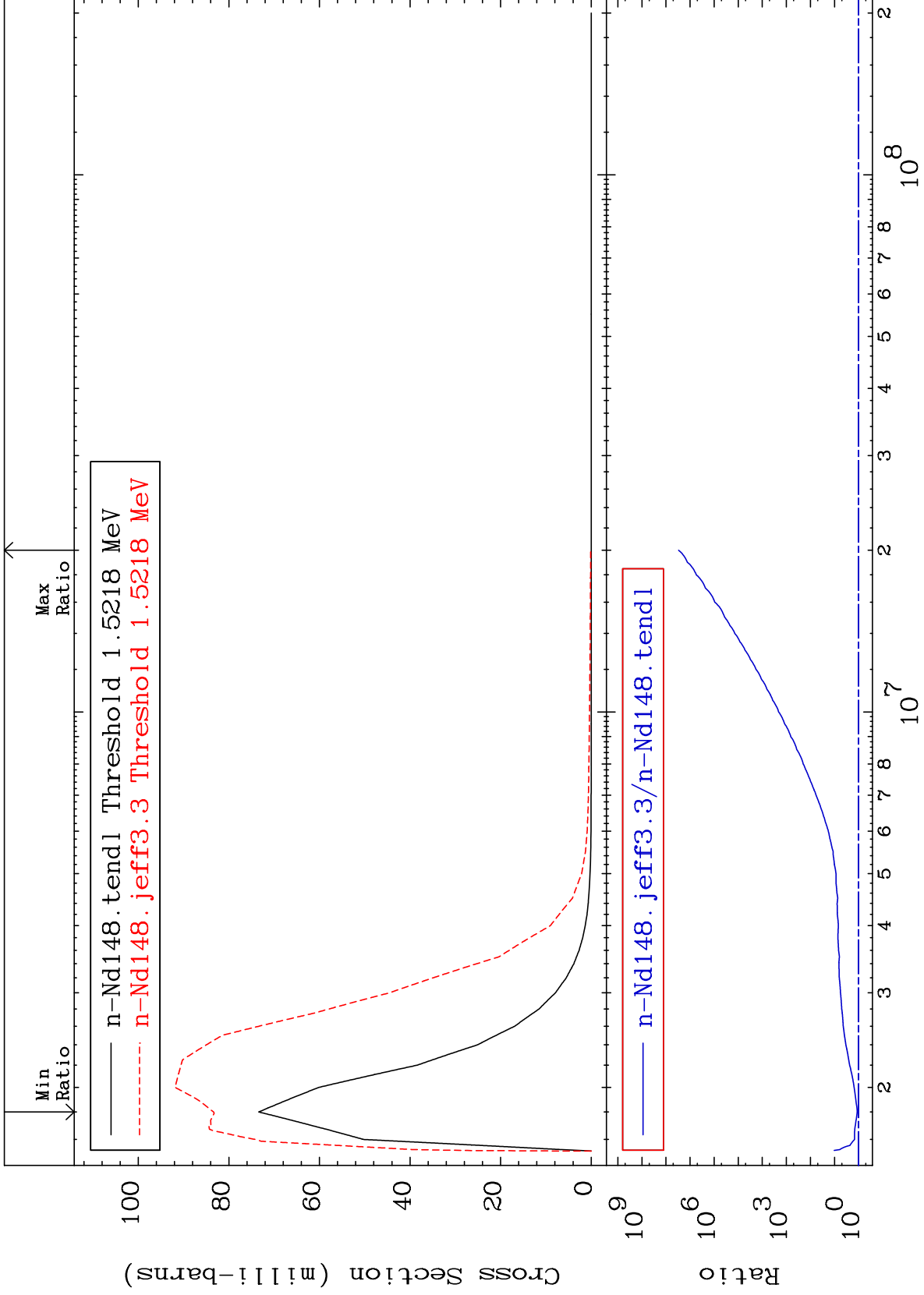
60-Nd-148  
-68.44 To 399.0 %



MAT 6043

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

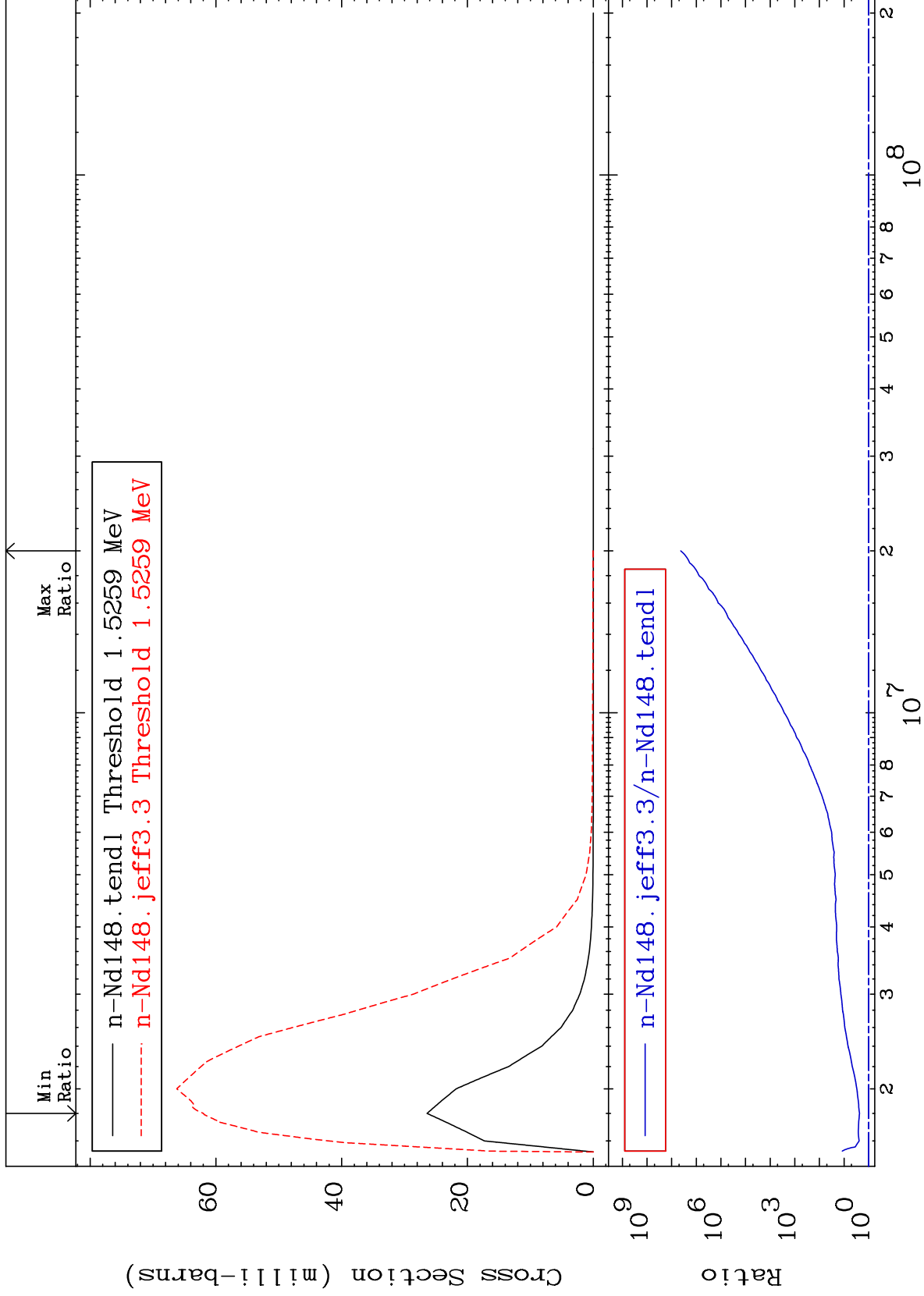
60-Nd-148  
13.59 To 9999. %



MAT 6043

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

60-Nd-148  
134.6 To 9999. %

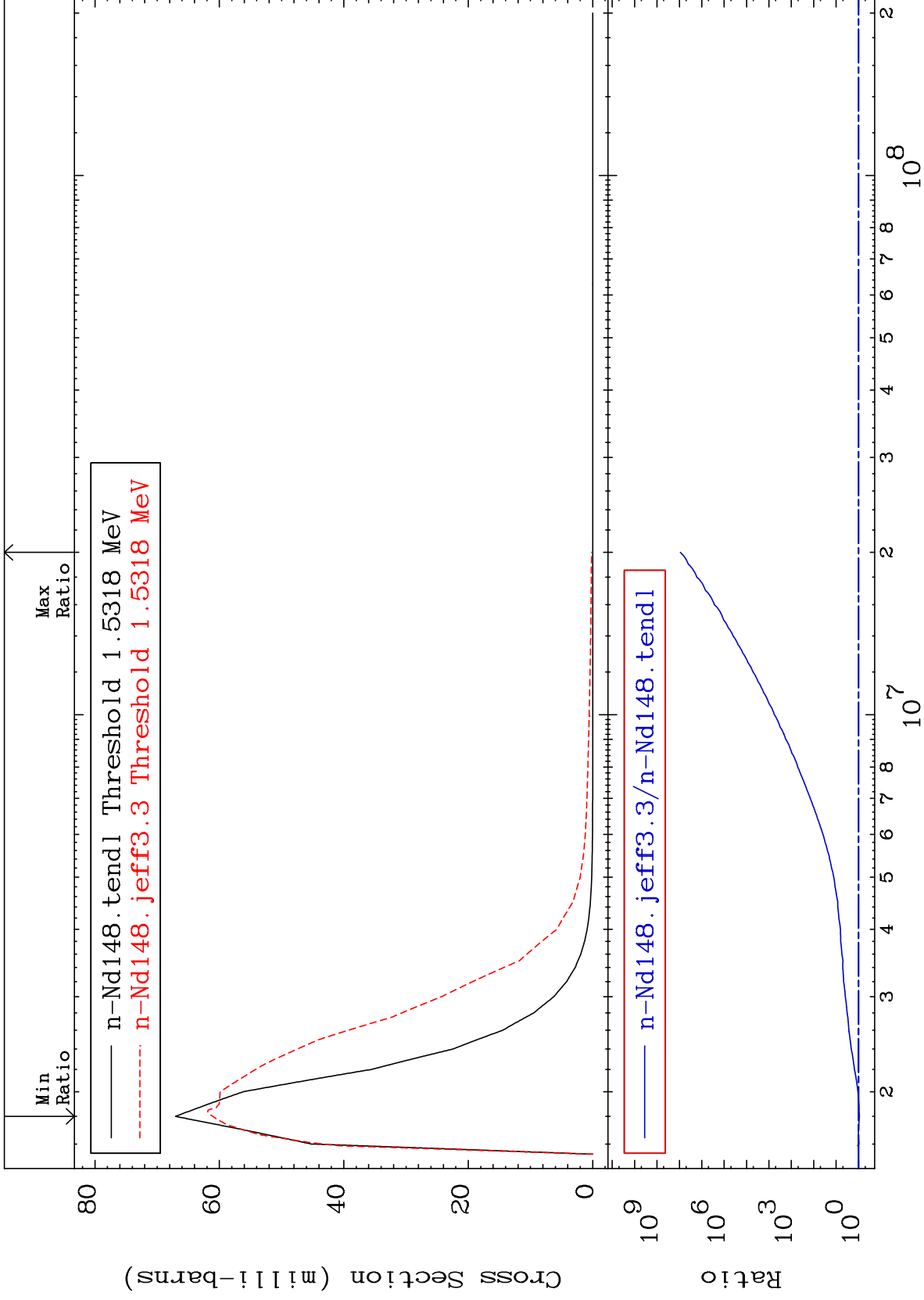




MAT 6043

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

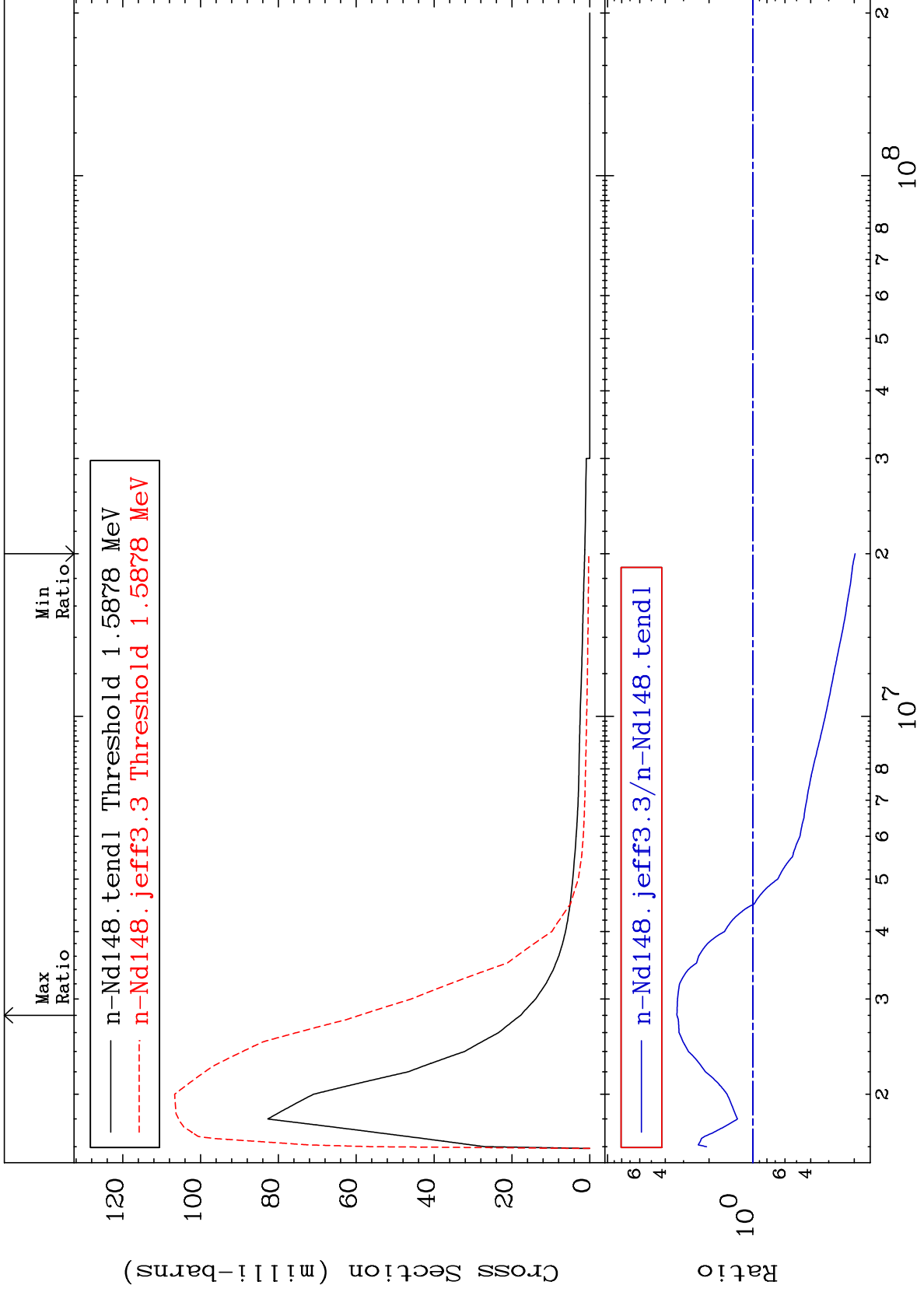
60-Nd-148  
-8.963 To 9999. %



MAT 6043

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

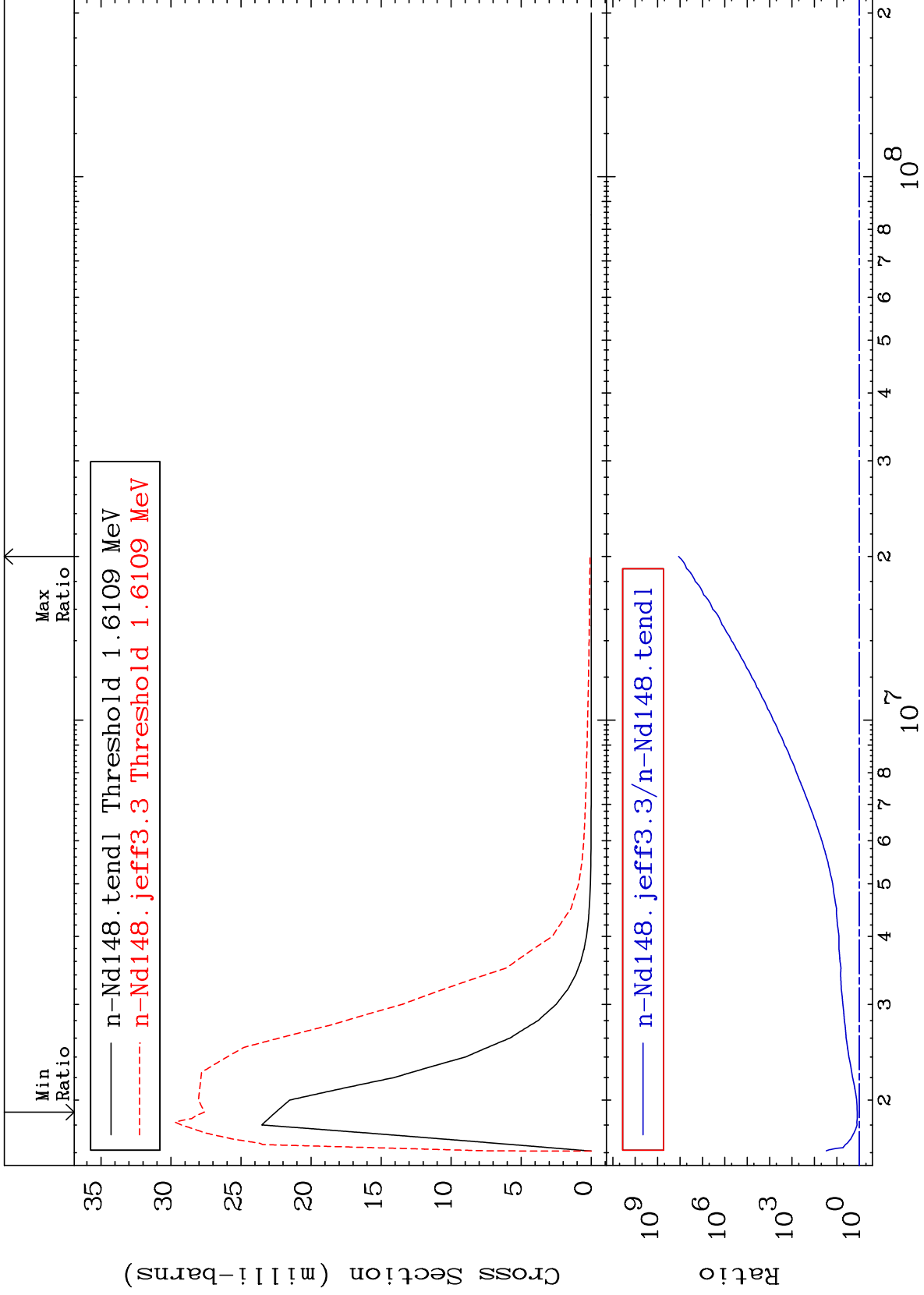
60-Nd-148  
-80.24 To 232.9 %



MAT 6043

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

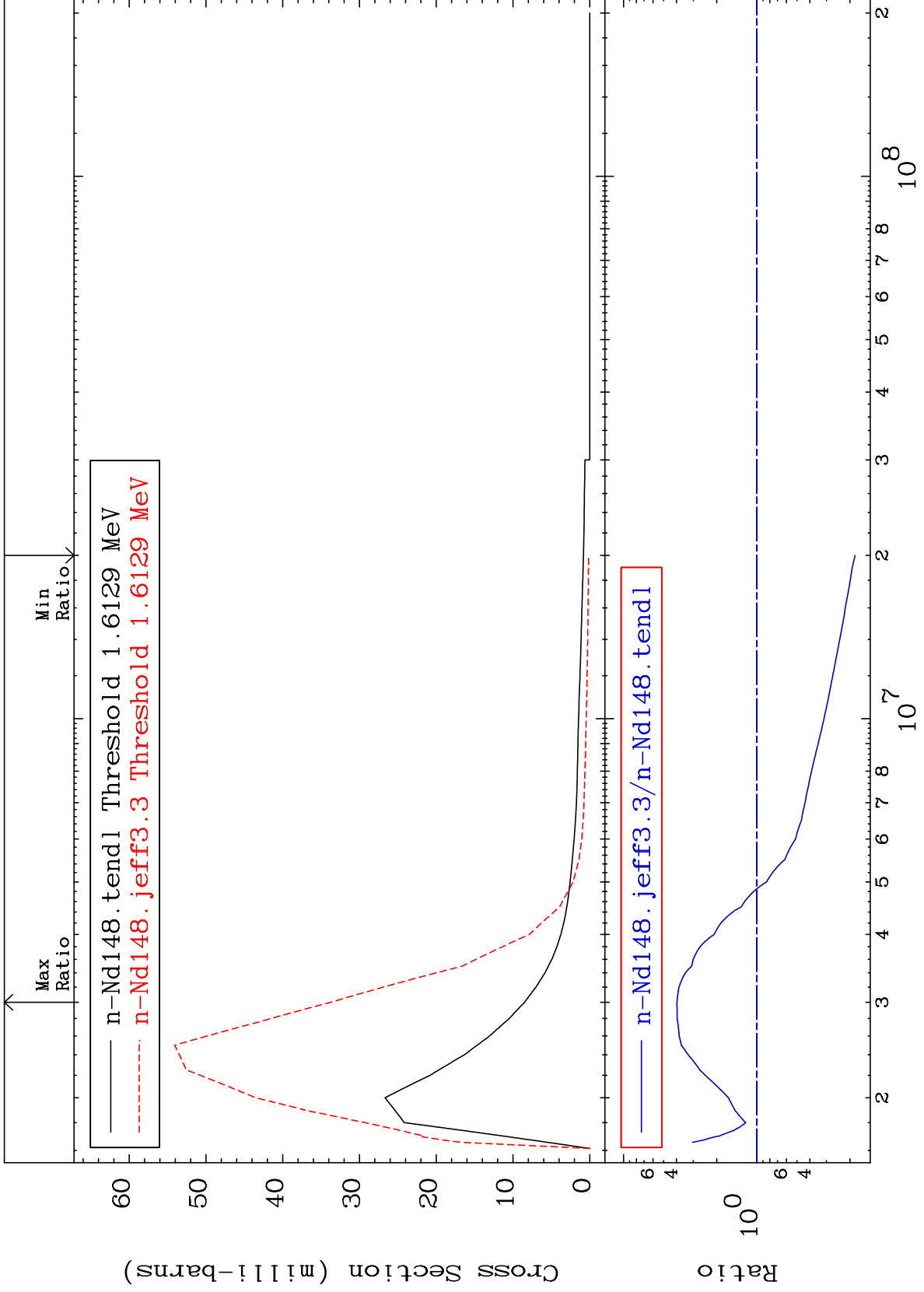
60-Nd-148  
22.60 To 9999. %



MAT 6043

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

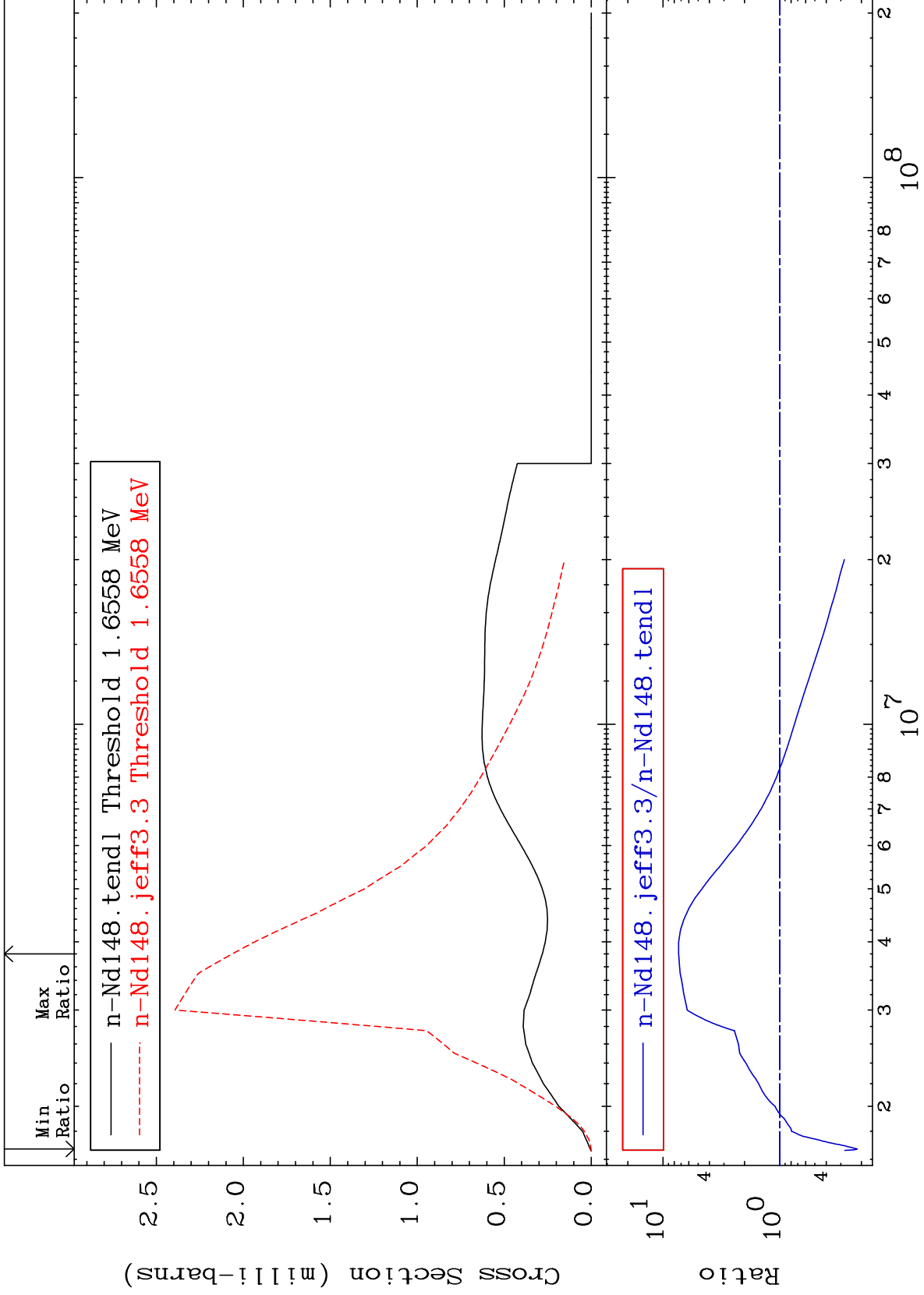
60-Nd-148  
-81.69 To 297.5 %



MAT 6043

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

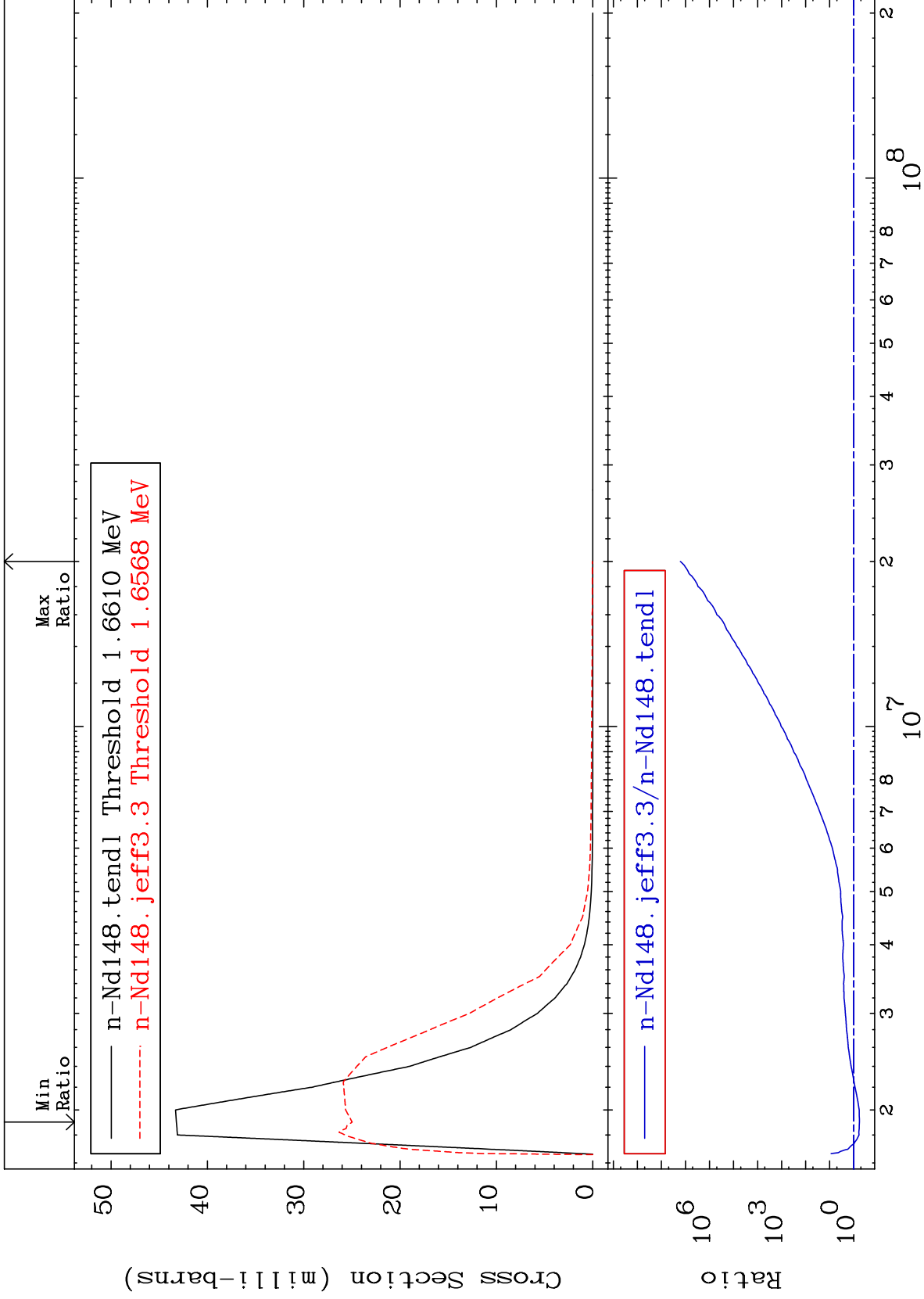
60-Nd-148  
-78.33 To 634.3 %



MAT 6043

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

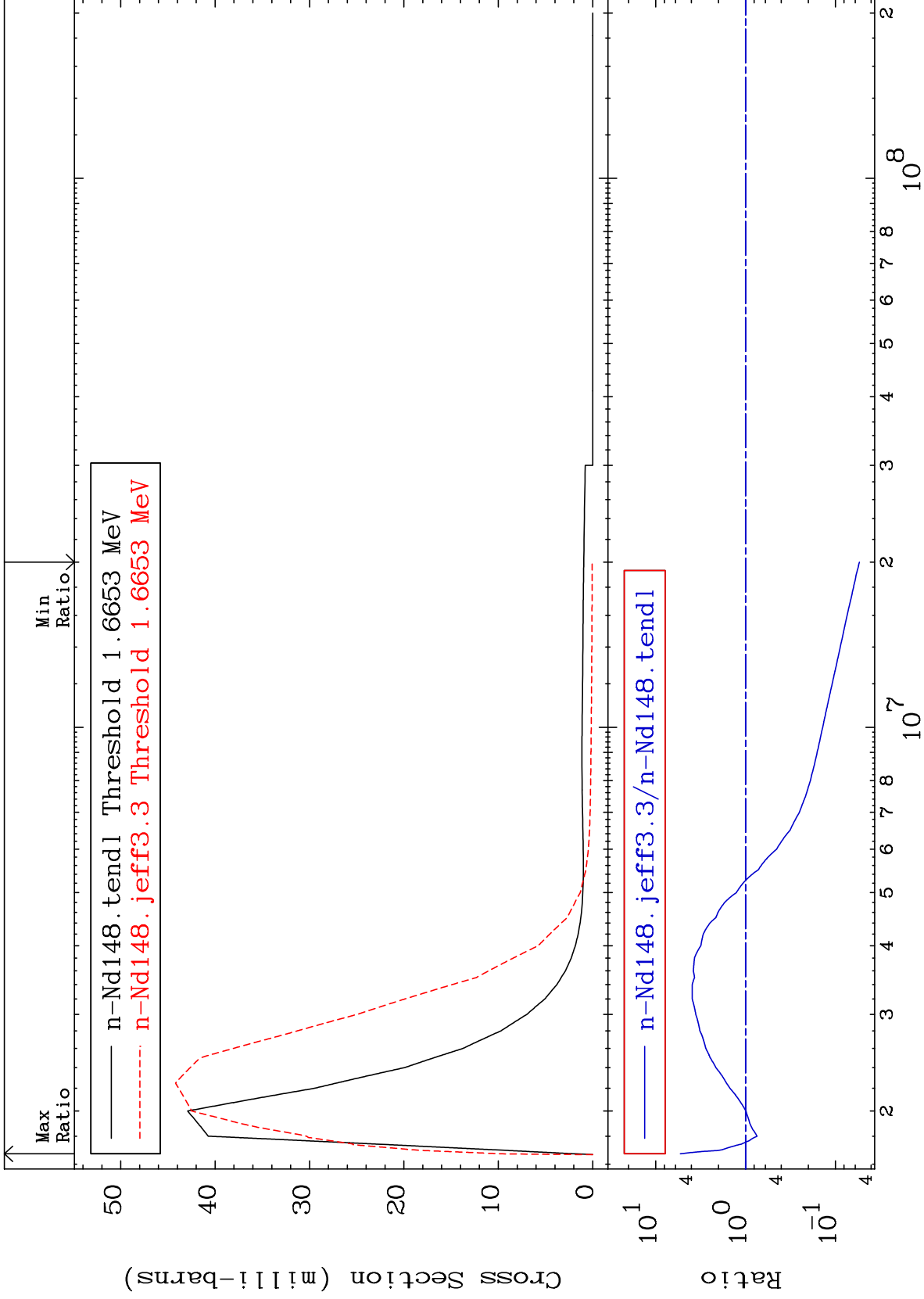
60-Nd-148  
-42.22 To 9999. %



MAT 6043

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

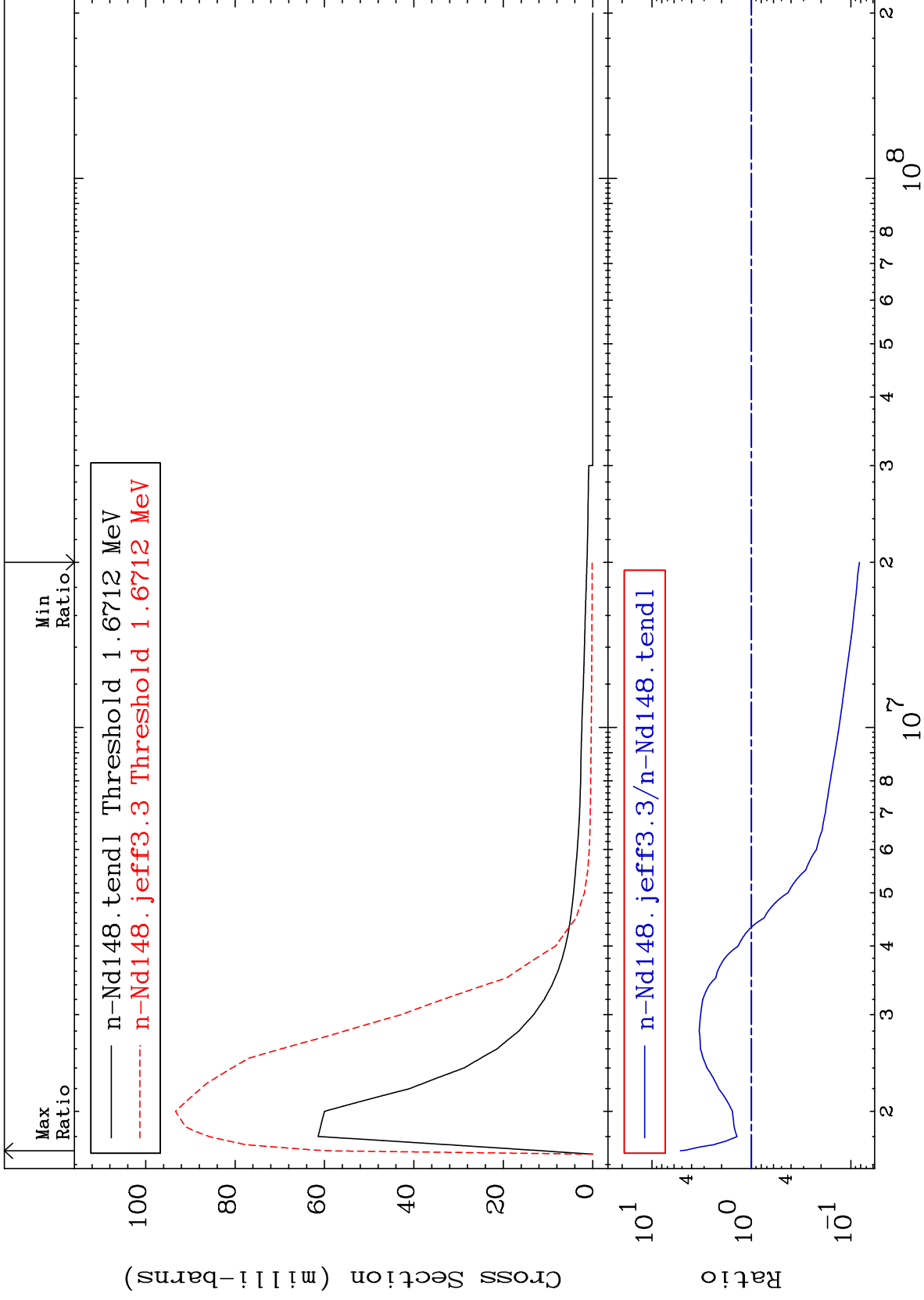
60-Nd-148  
-94.60 To 431.0 %



MAT 6043

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

60-Nd-148  
-91.78 To 418.9 %

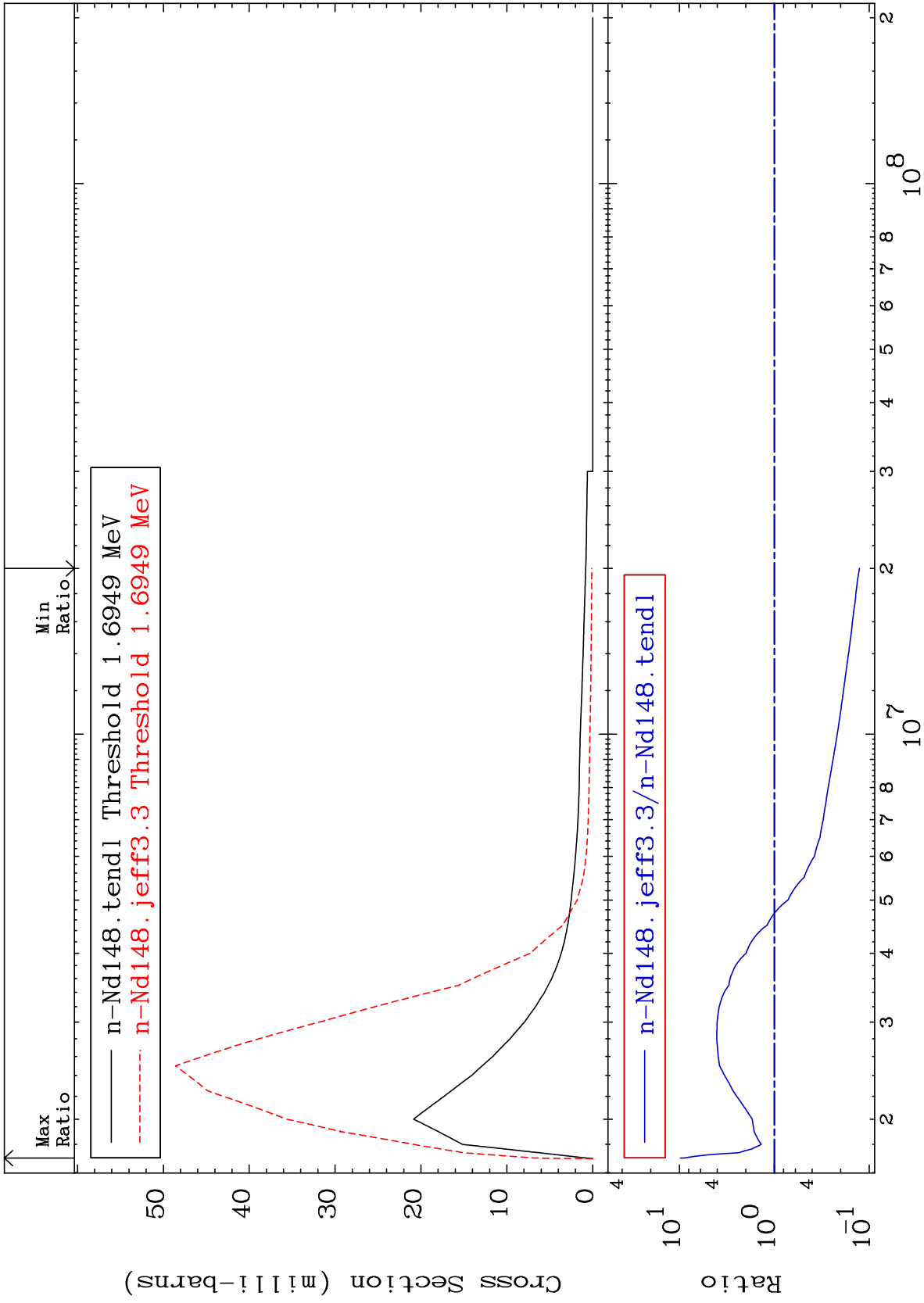




MAT 6043

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

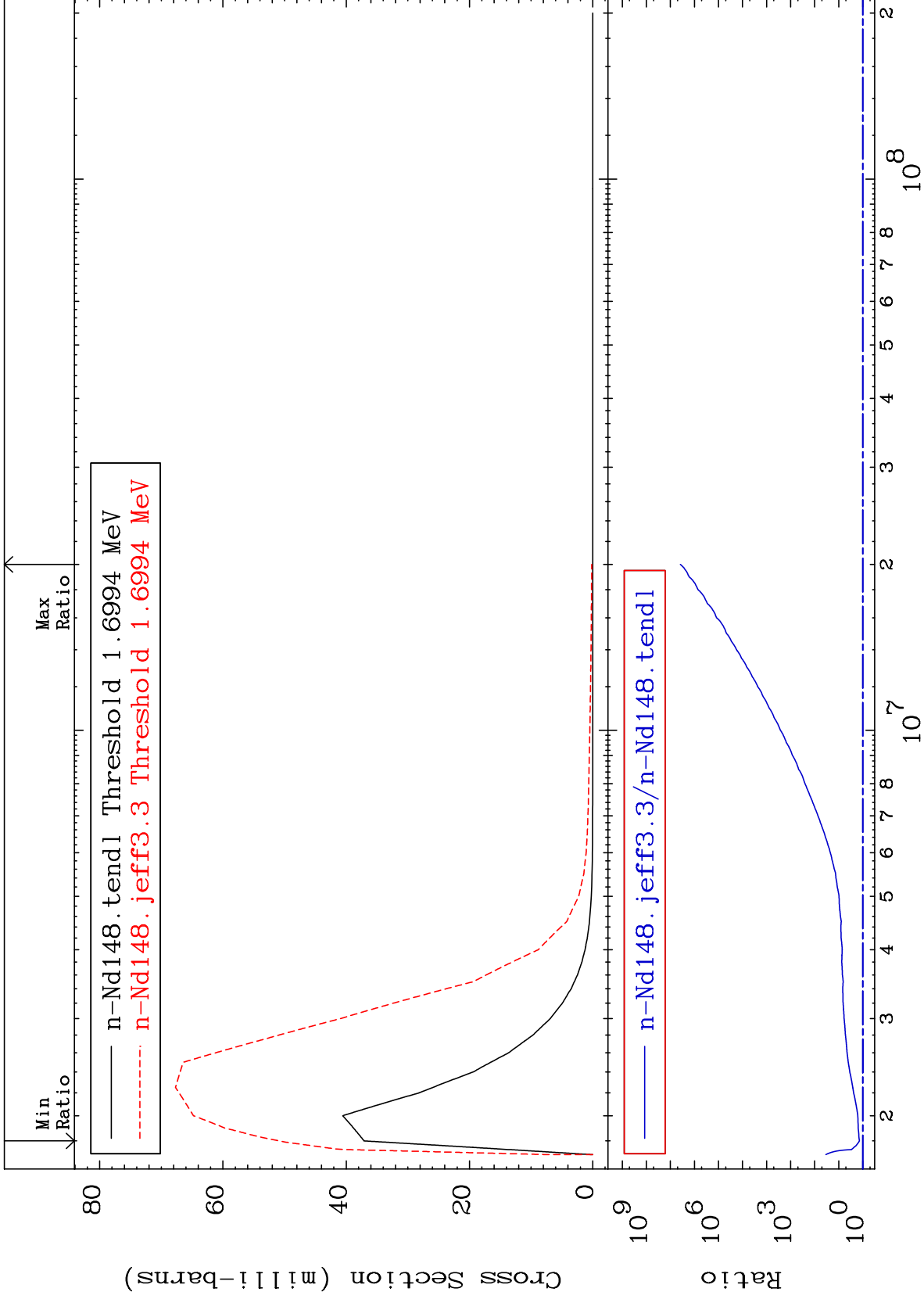
60-Nd-148  
-87.31 To 876.5 %



MAT 6043

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

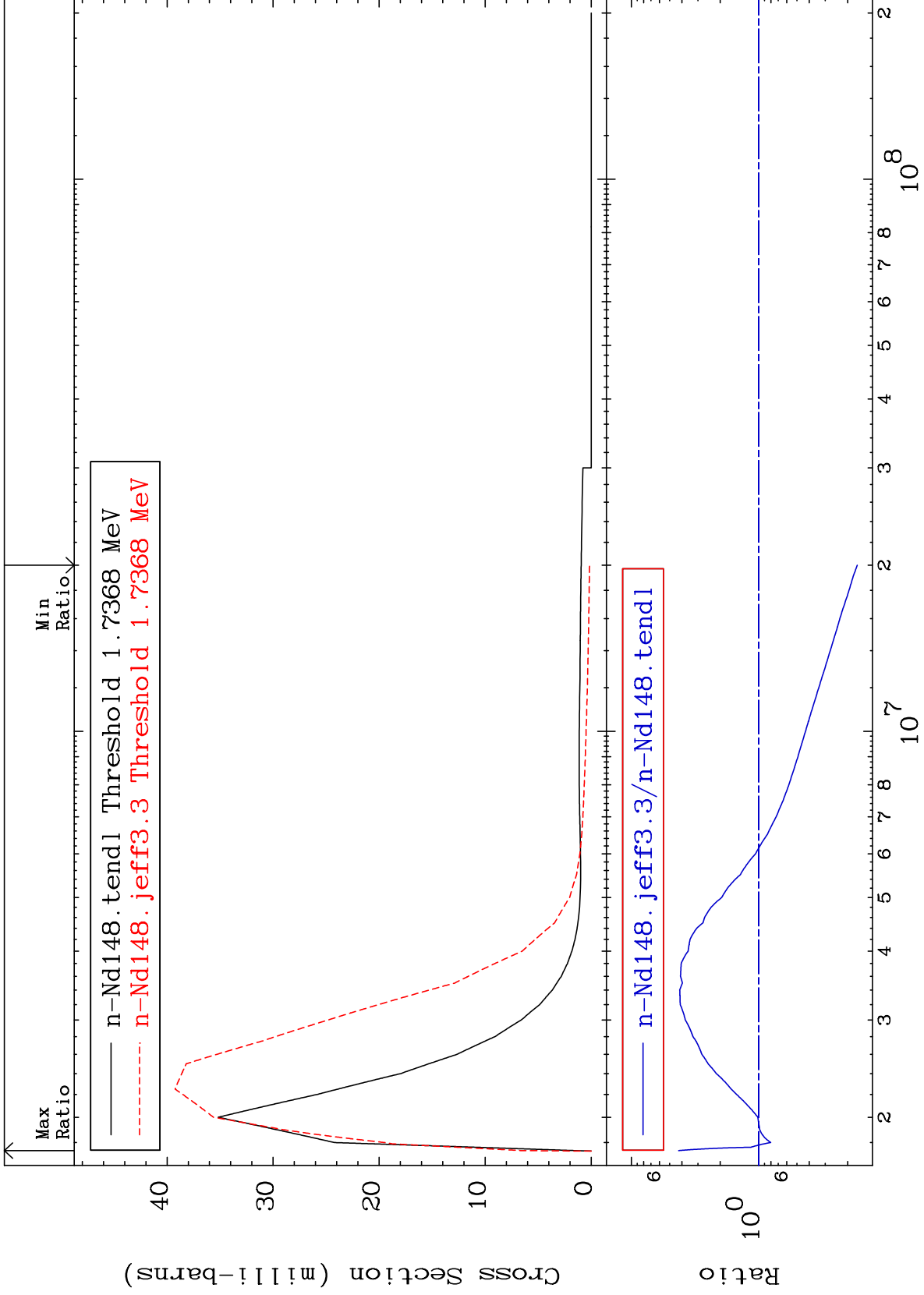
60-Nd-148  
37.24 To 9999. %



MAT 6043

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

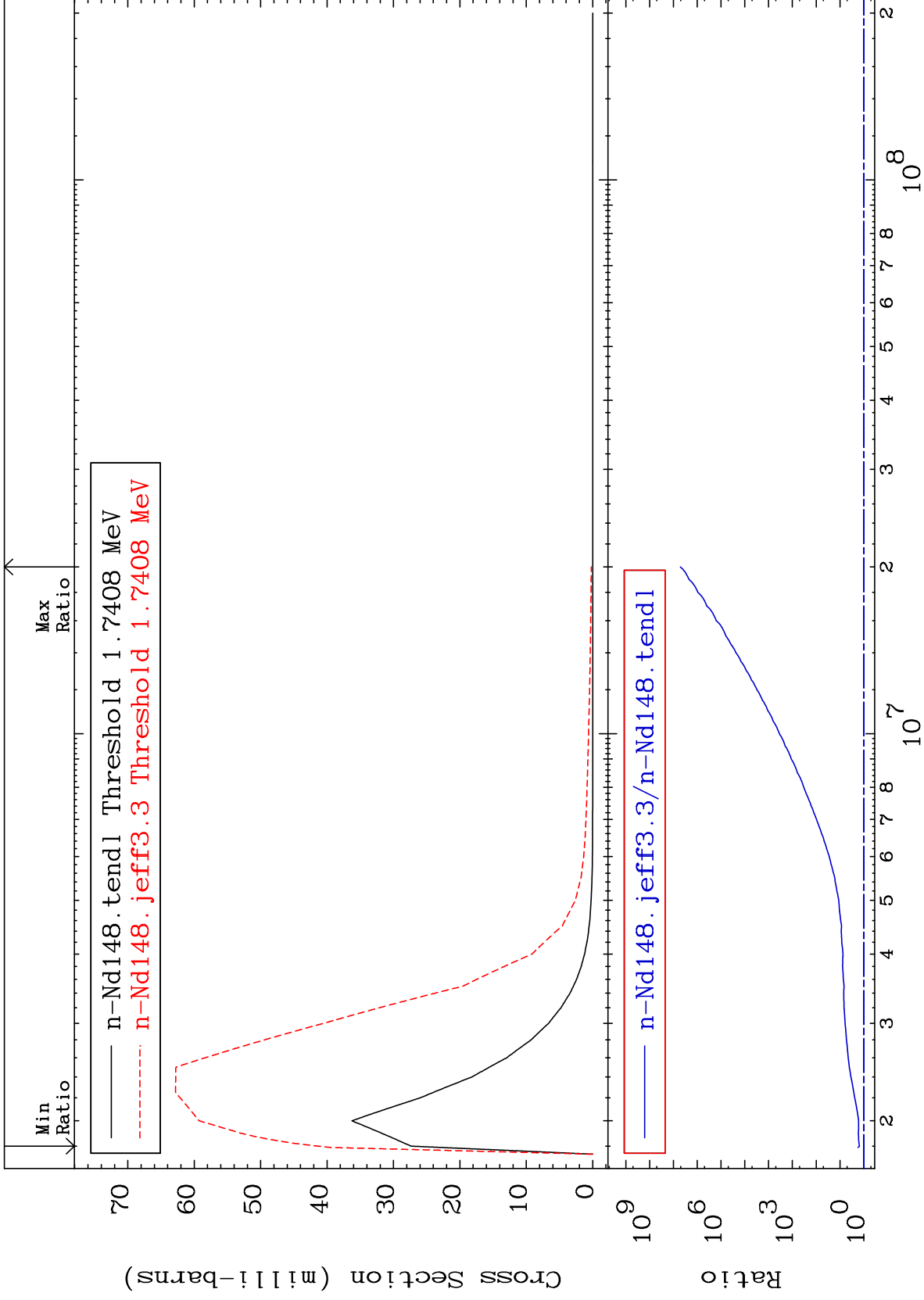
60-Nd-148  
-83.21 To 324.7 %



MAT 6043

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

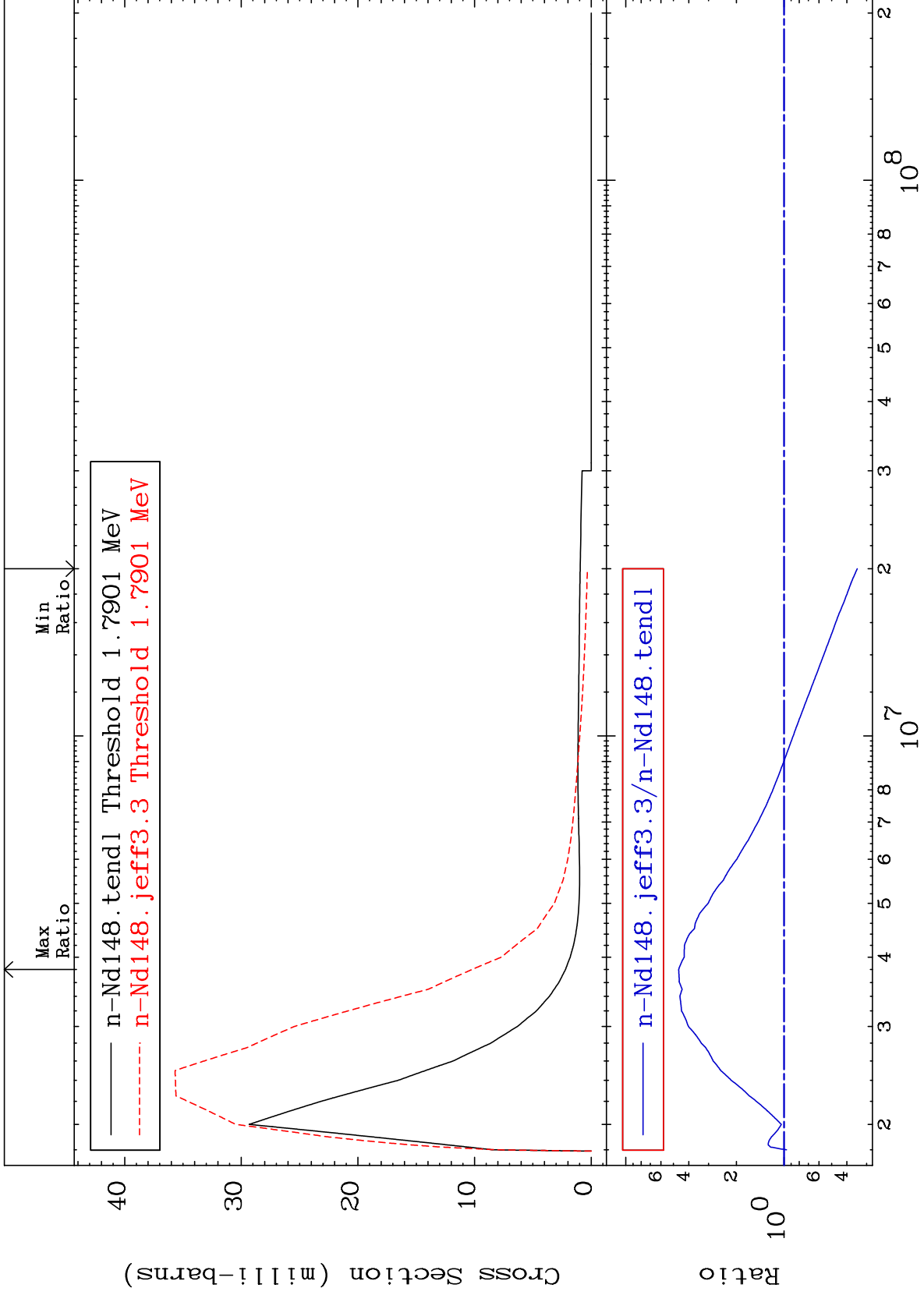
60-Nd-148  
51.53 To 9999. %



MAT 6043

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

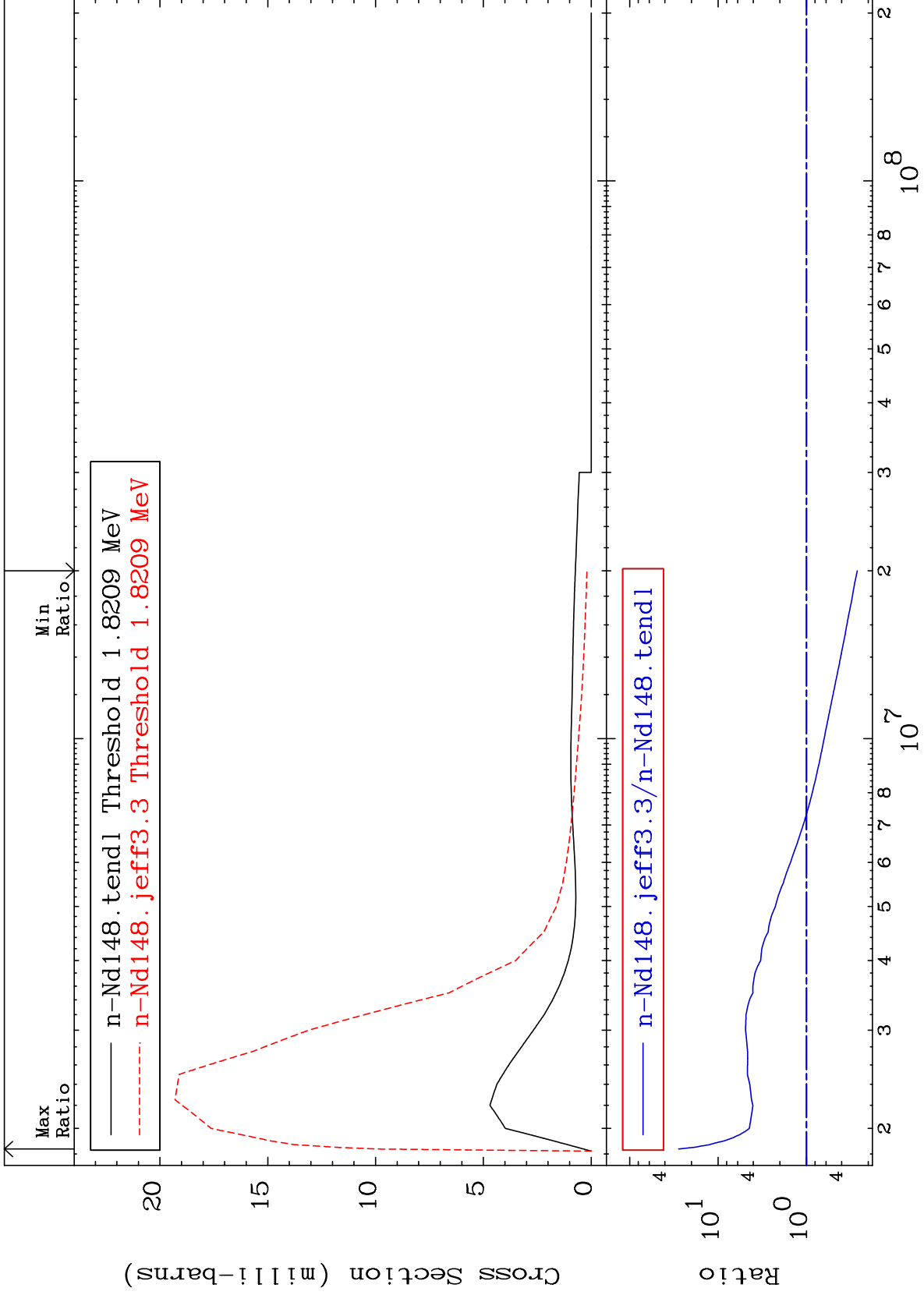
60-Nd-148  
-65.58 To 363.3 %



MAT 6043

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

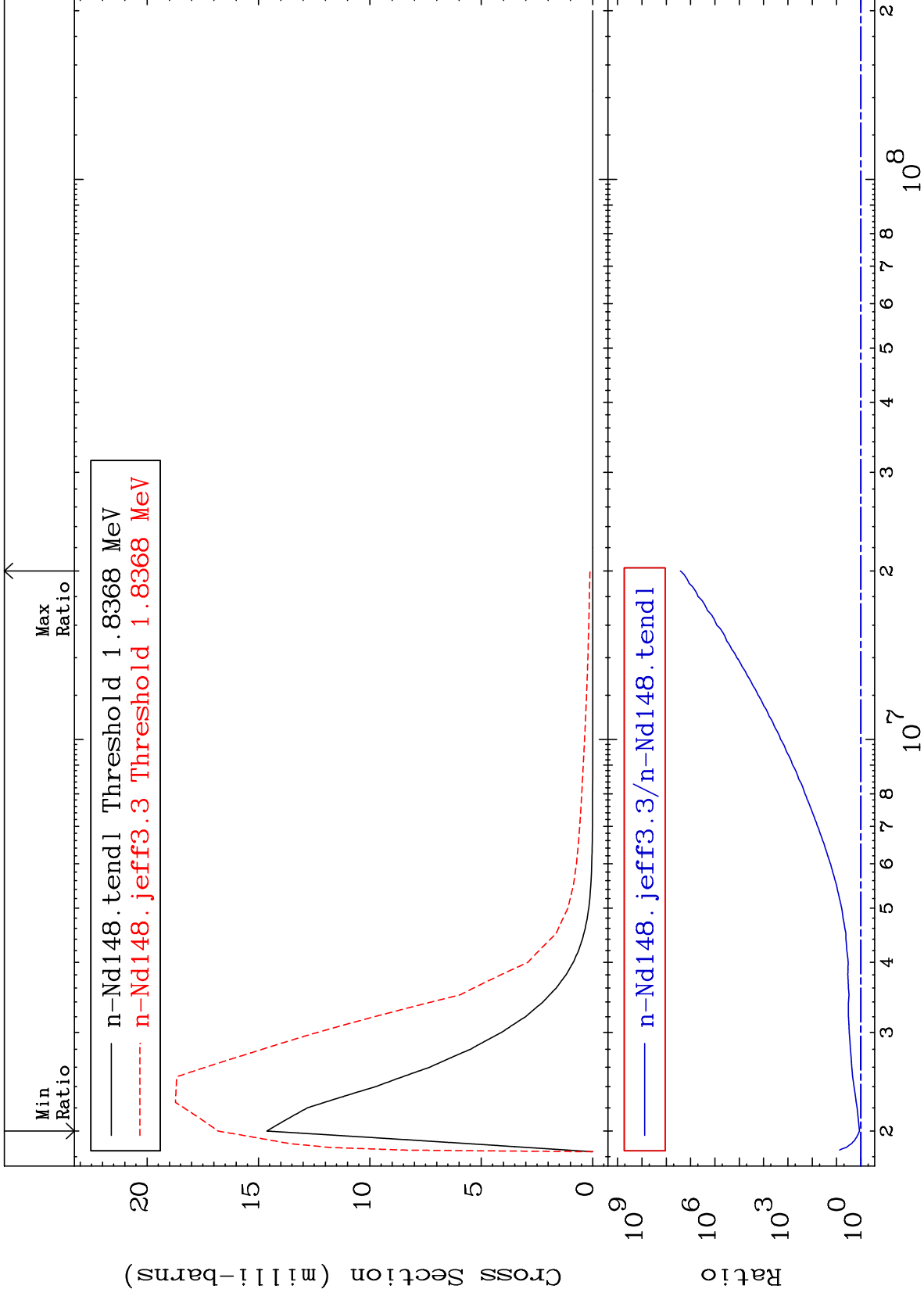
60-Nd-148  
-73.40 To 2698. %



MAT 6043

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

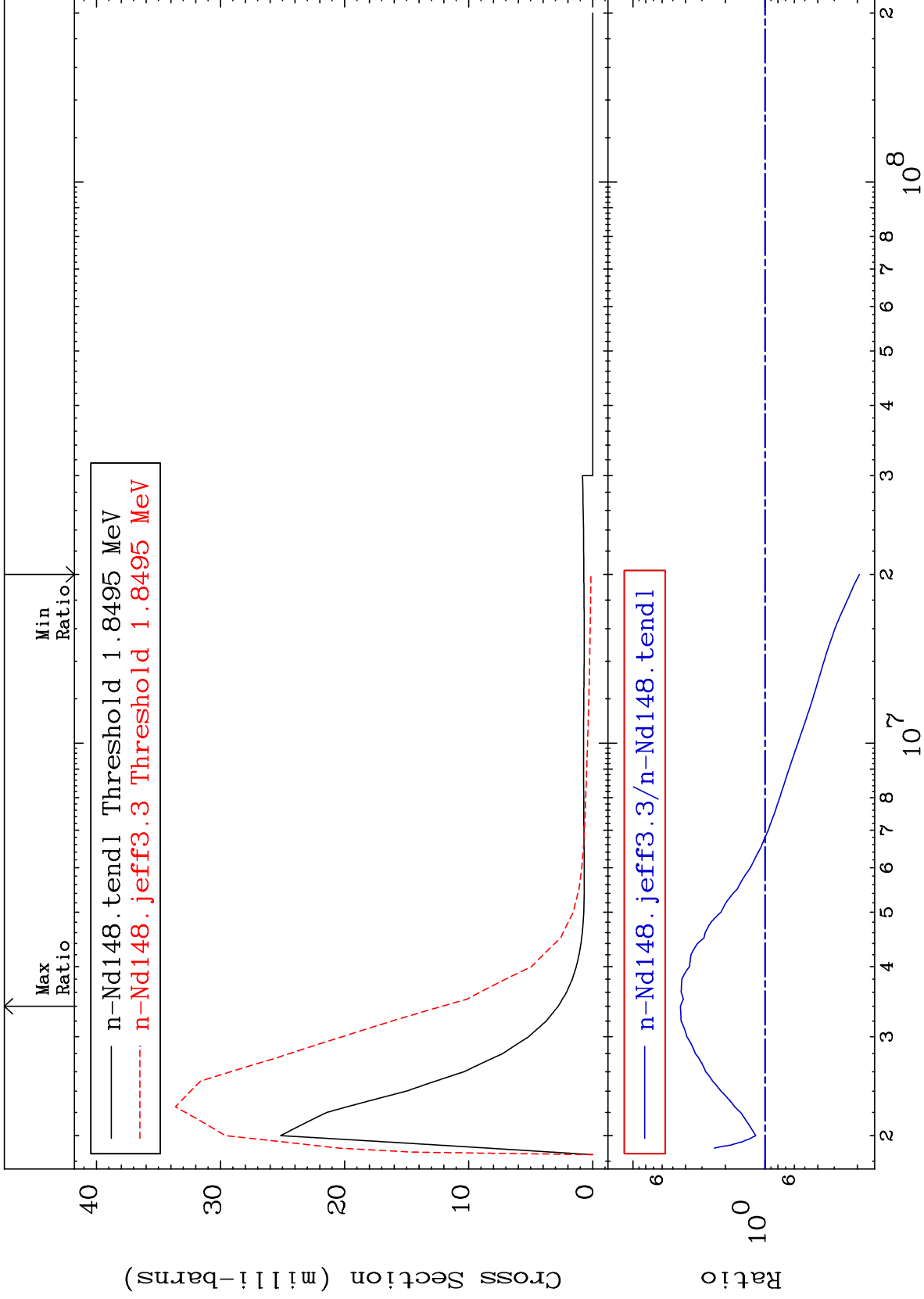
60-Nd-148  
14.93 To 9999. %



MAT 6043

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

60-Nd-148  
-80.69 To 337.7 %



40

Incident Energy (eV)

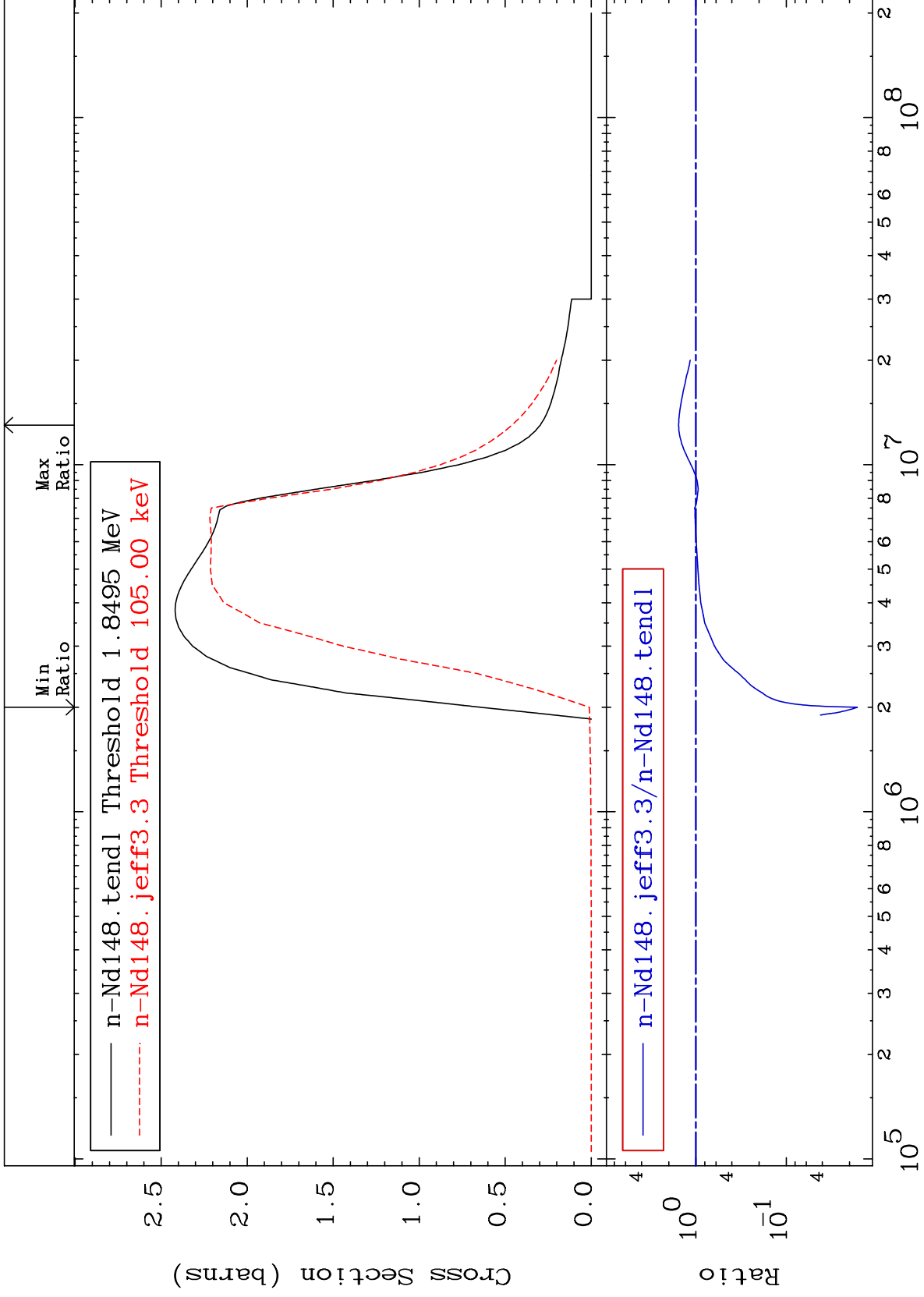
60-Nd-148



MAT 6043

(n, n') Continuum  
Cross Section

60-Nd-148  
-98.36 To 55.38 %



41

Incident Energy (eV)

60-Nd-148

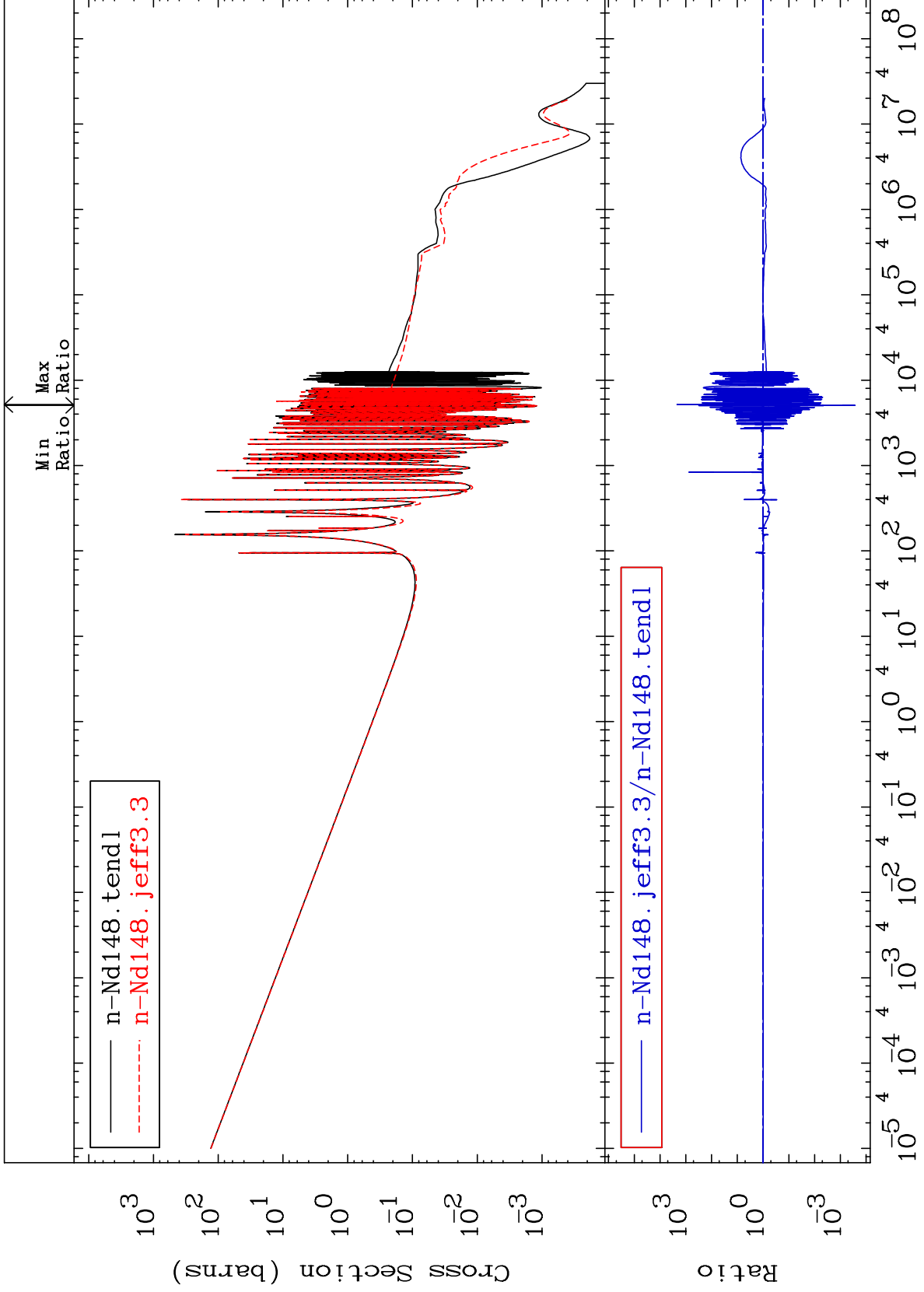
MAT 6043

(n,  $\gamma$ )

60-Nd-148

Cross Section

-99.97 To 9999. %



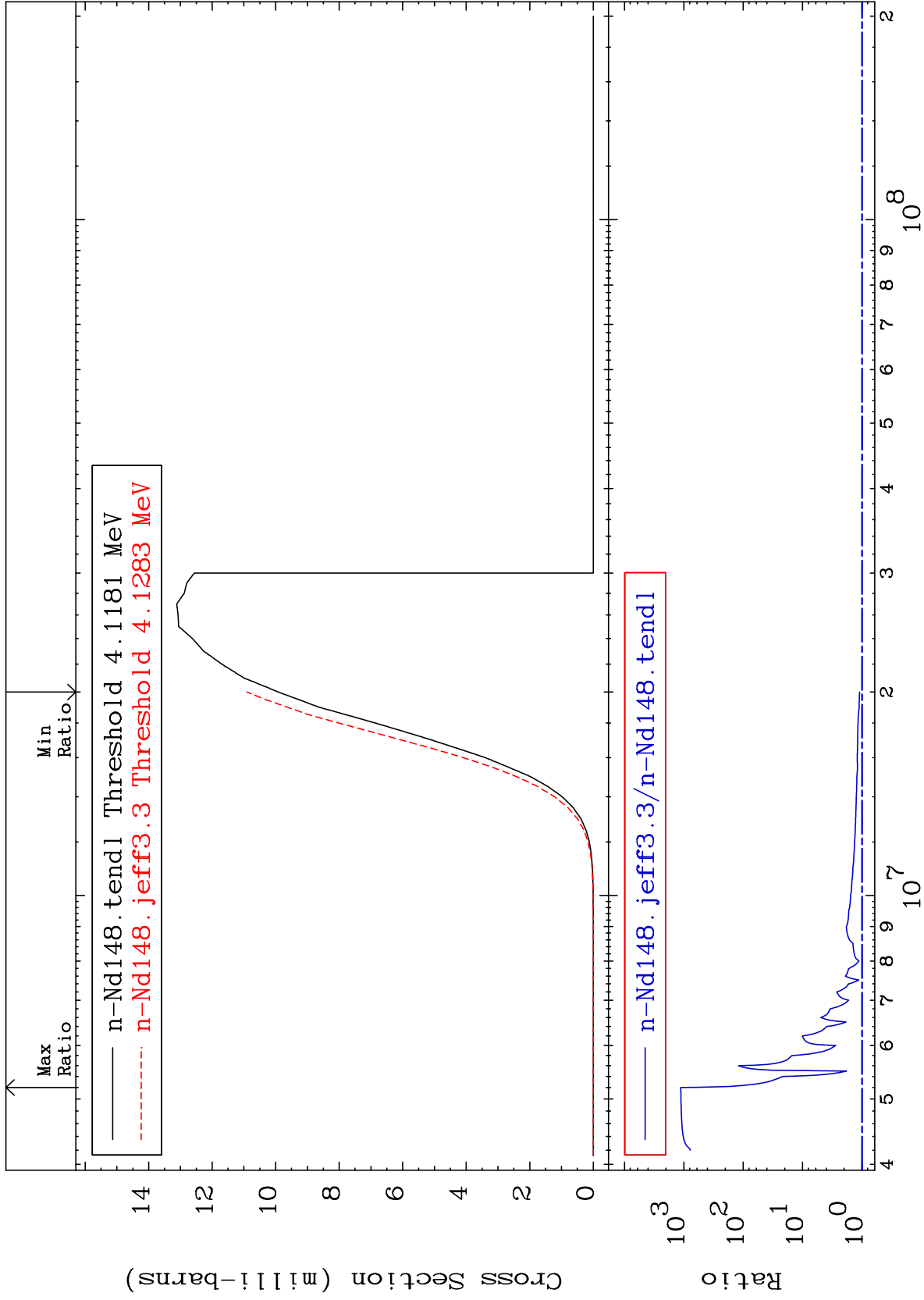
MAT 6043

(n, p)

60-Nd-148

Cross Section

9.946 To 9999. %



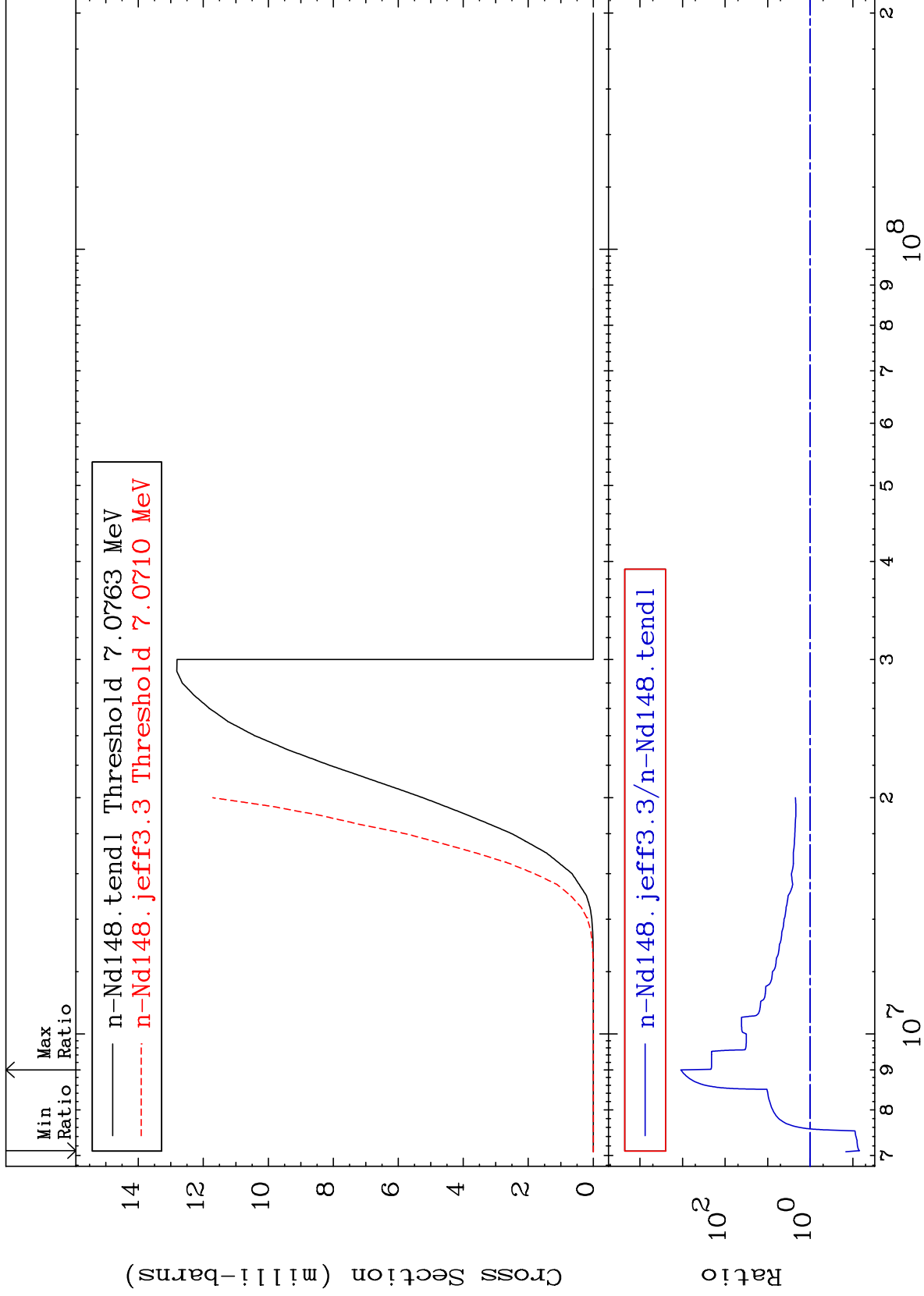
MAT 6043

(n, d)

60-Nd-148

Cross Section

-93.04 To 9999. %



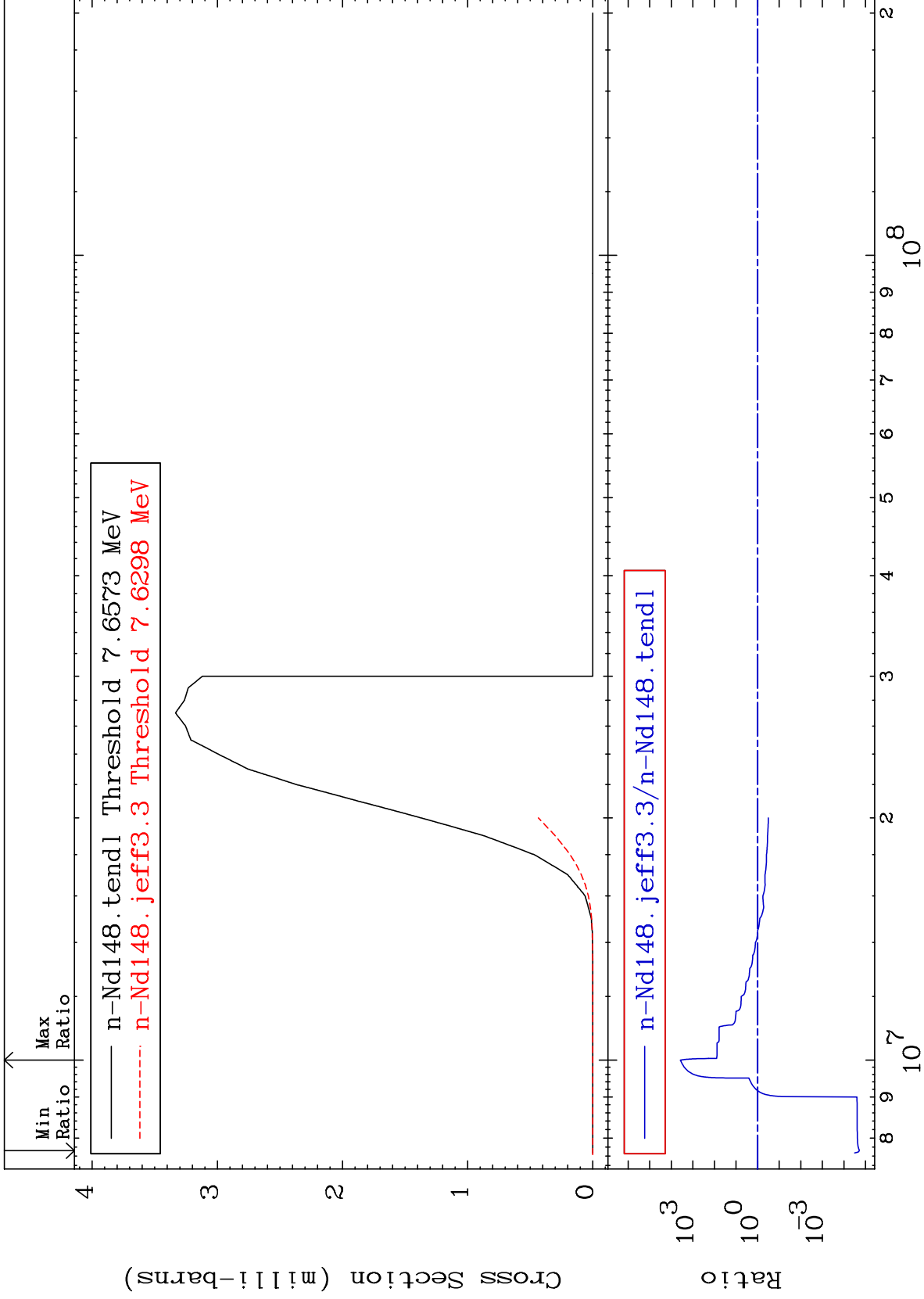
MAT 6043

(n, t)

60-Nd-148

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

60-Nd-148

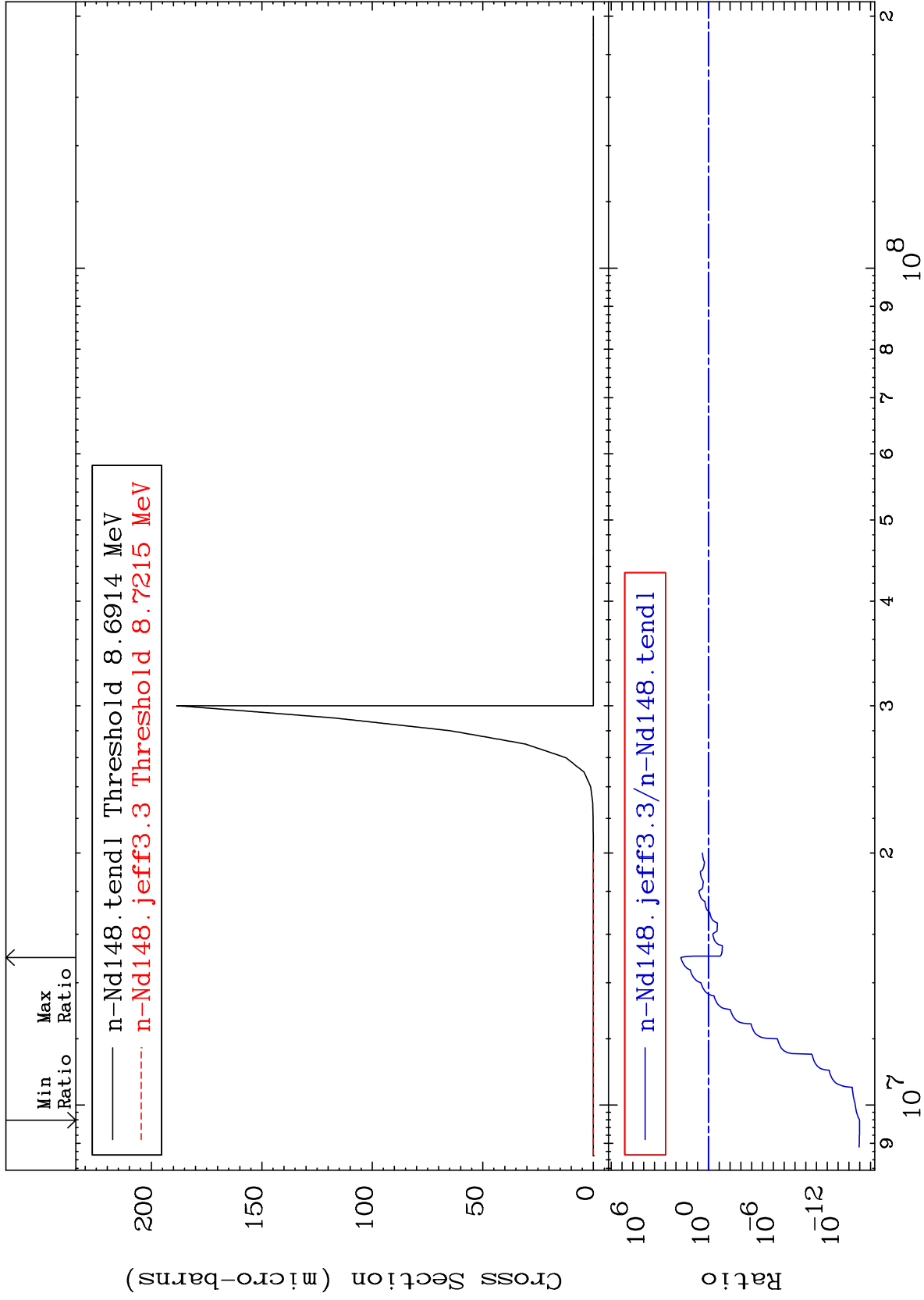
MAT 6043

(n, He-3)

60-Nd-148

Cross Section

-100.0 To 9999. %



46

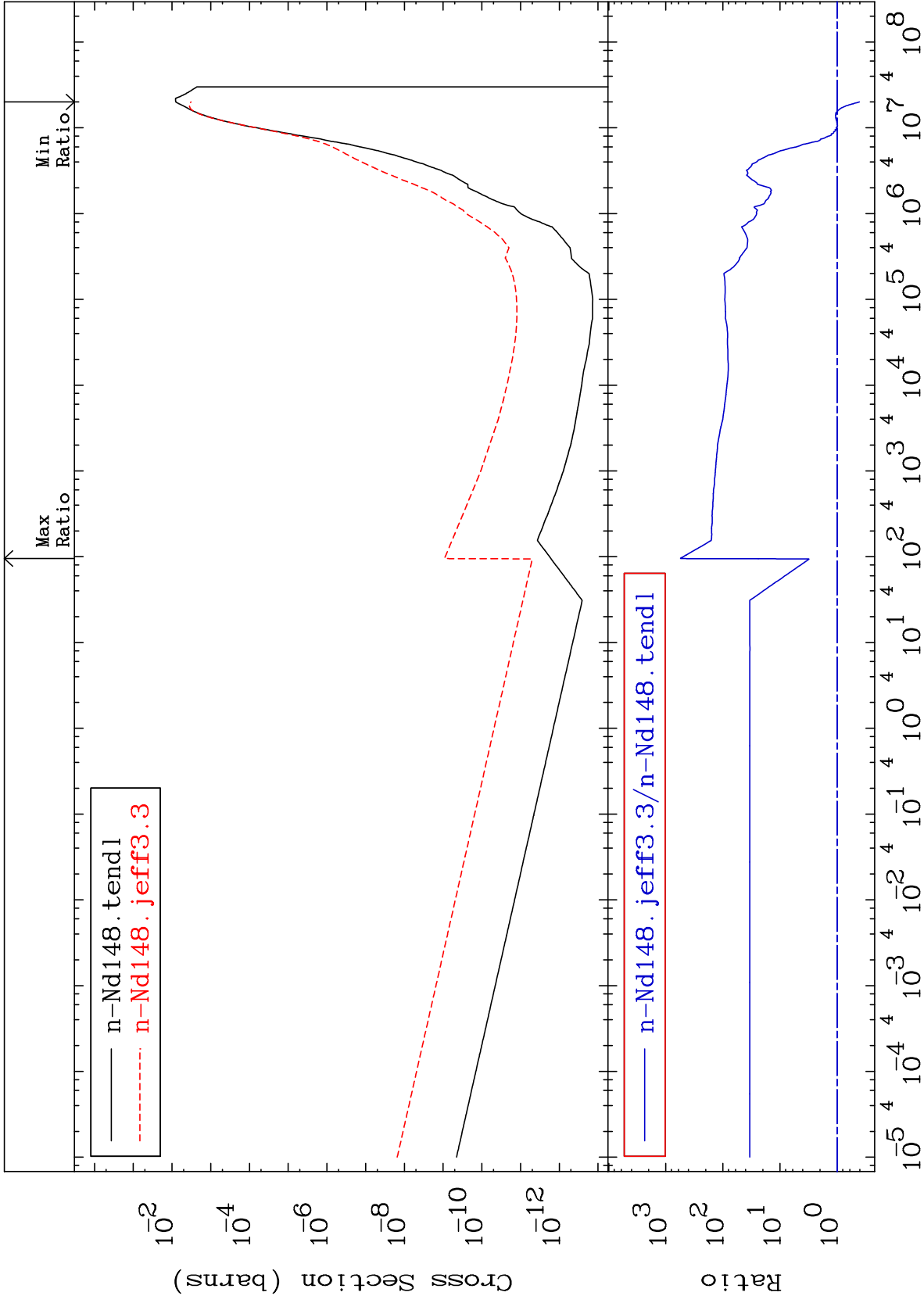
60-Nd-148

60-Nd-148

MAT 6043

(n,  $\alpha$ )  
Cross Section

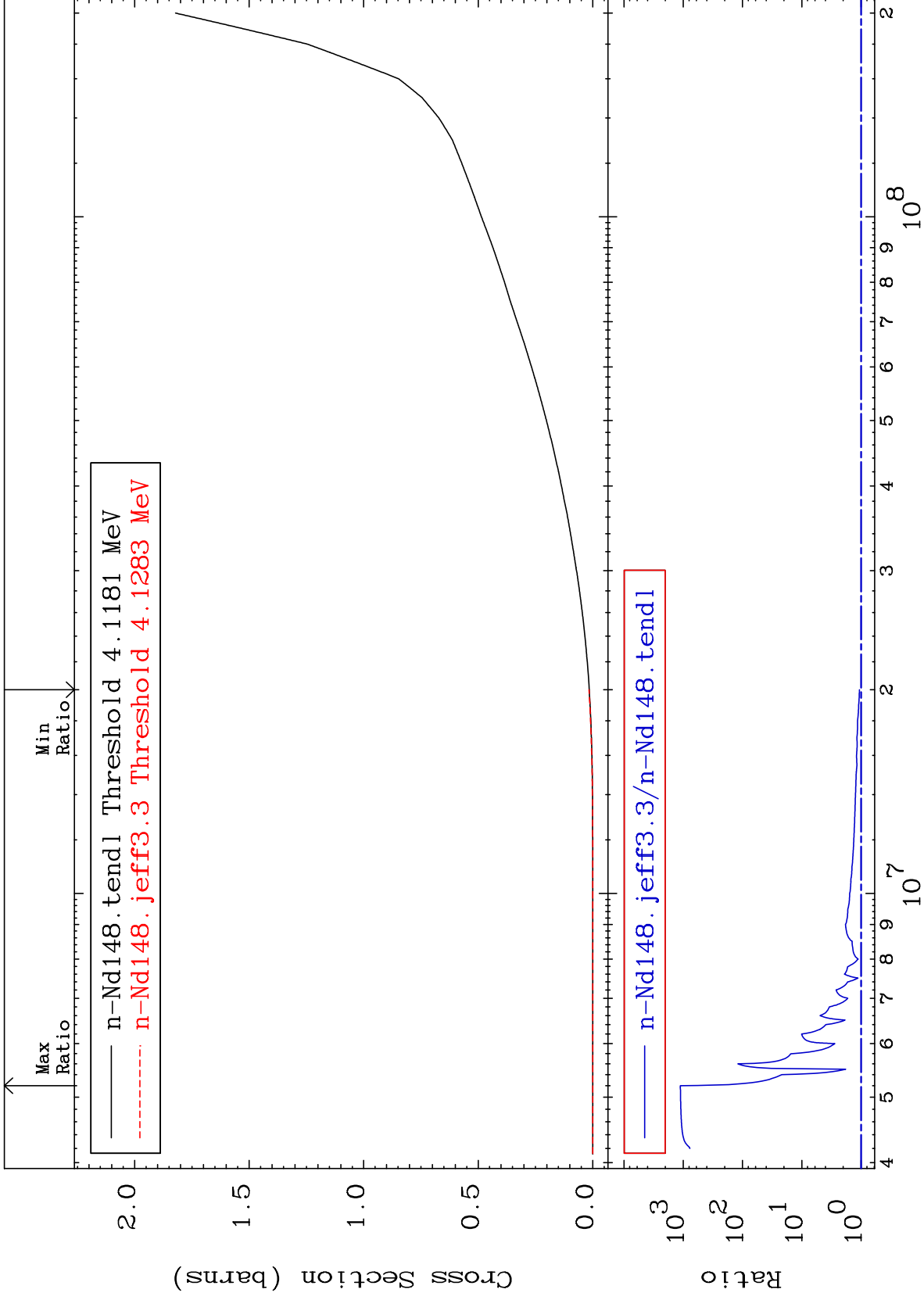
60-Nd-148  
-59.29 To 9999. %



MAT 6043

Hydrogen Production  
Cross Section

60-Nd-148  
To 9999. %  
6.681



48

Incident Energy (eV)

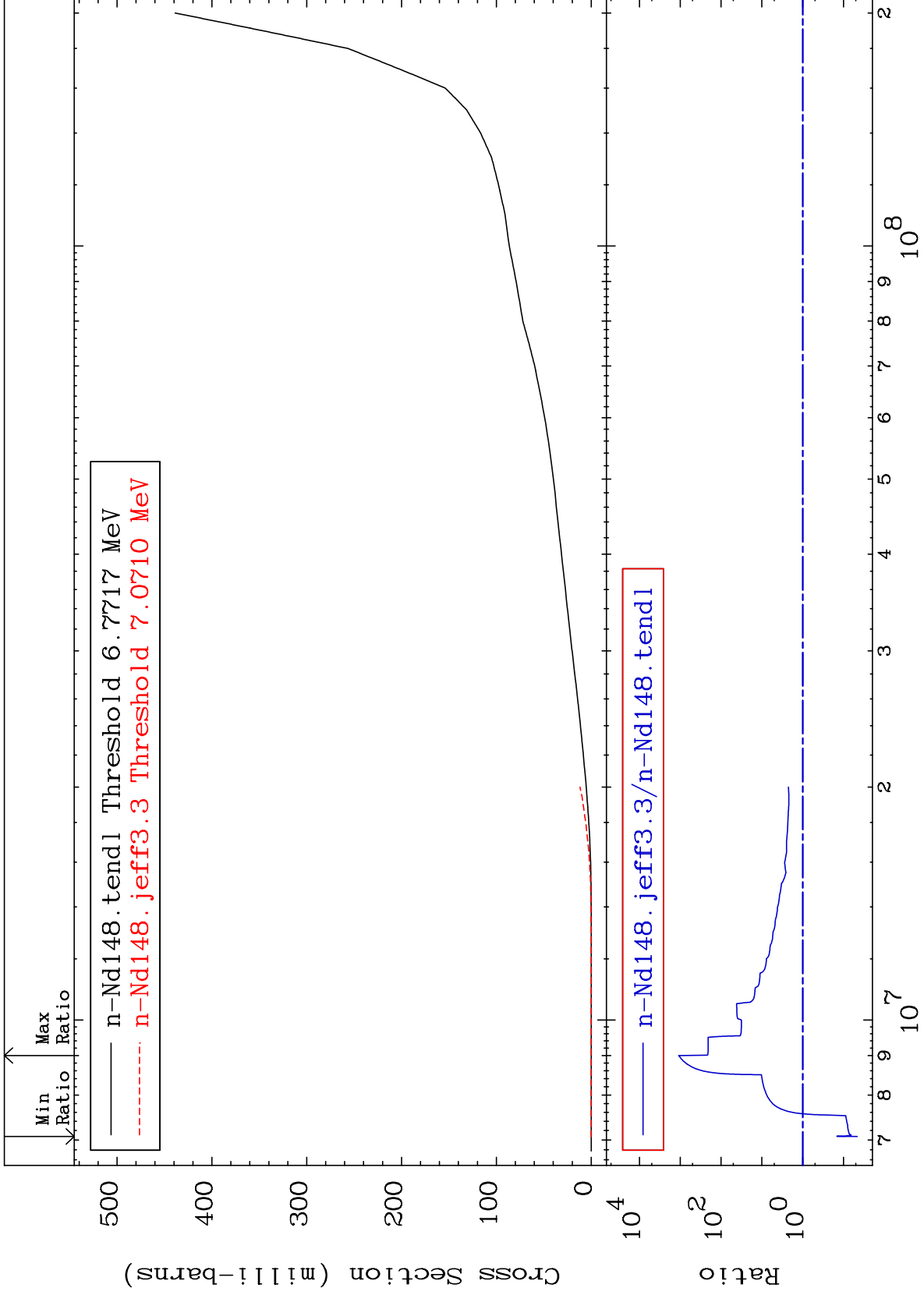
60-Nd-148



MAT 6043

Deuterium Production  
Cross Section

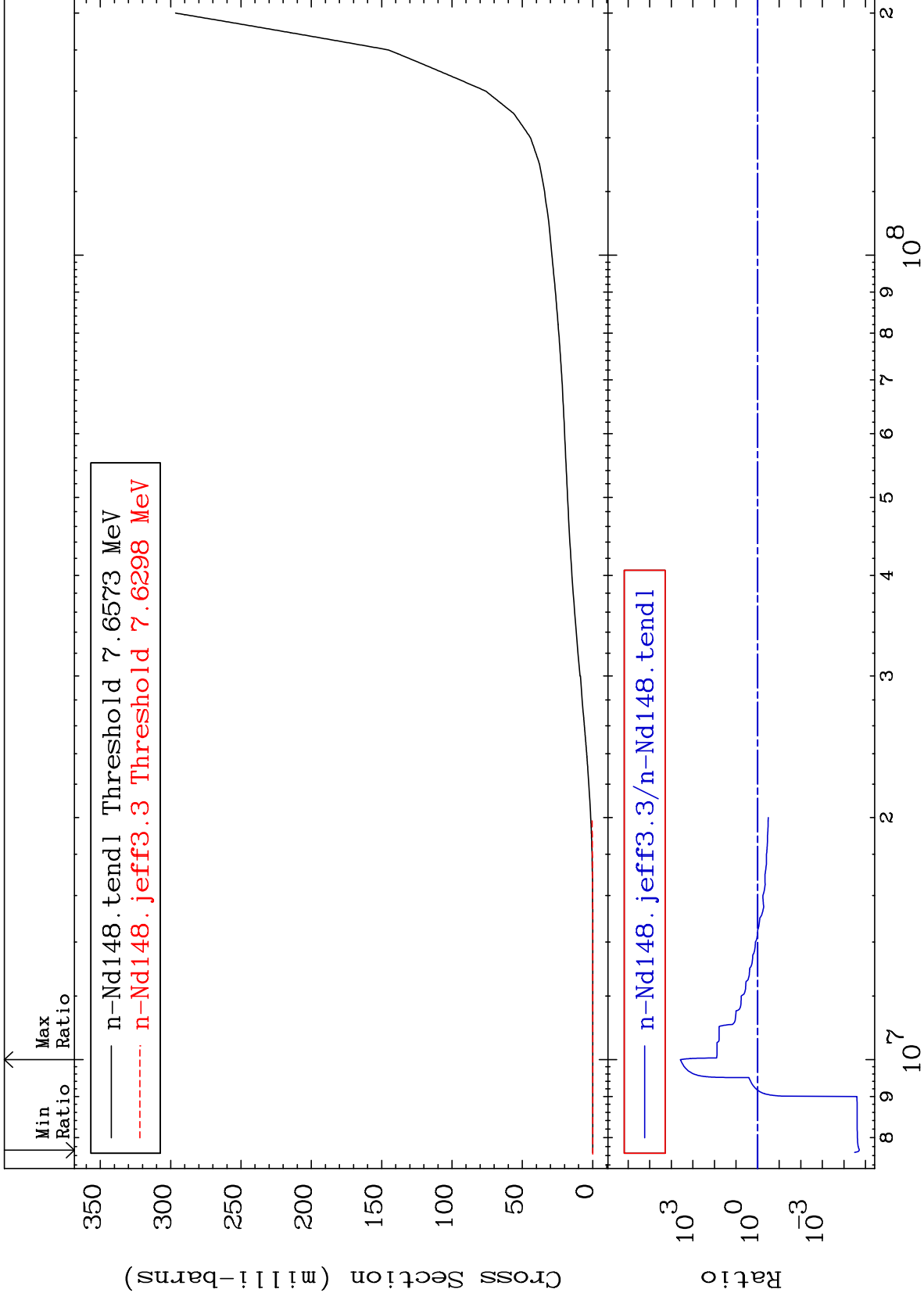
60-Nd-148  
-95.40 To 9999. %



MAT 6043

Tritium Production  
Cross Section

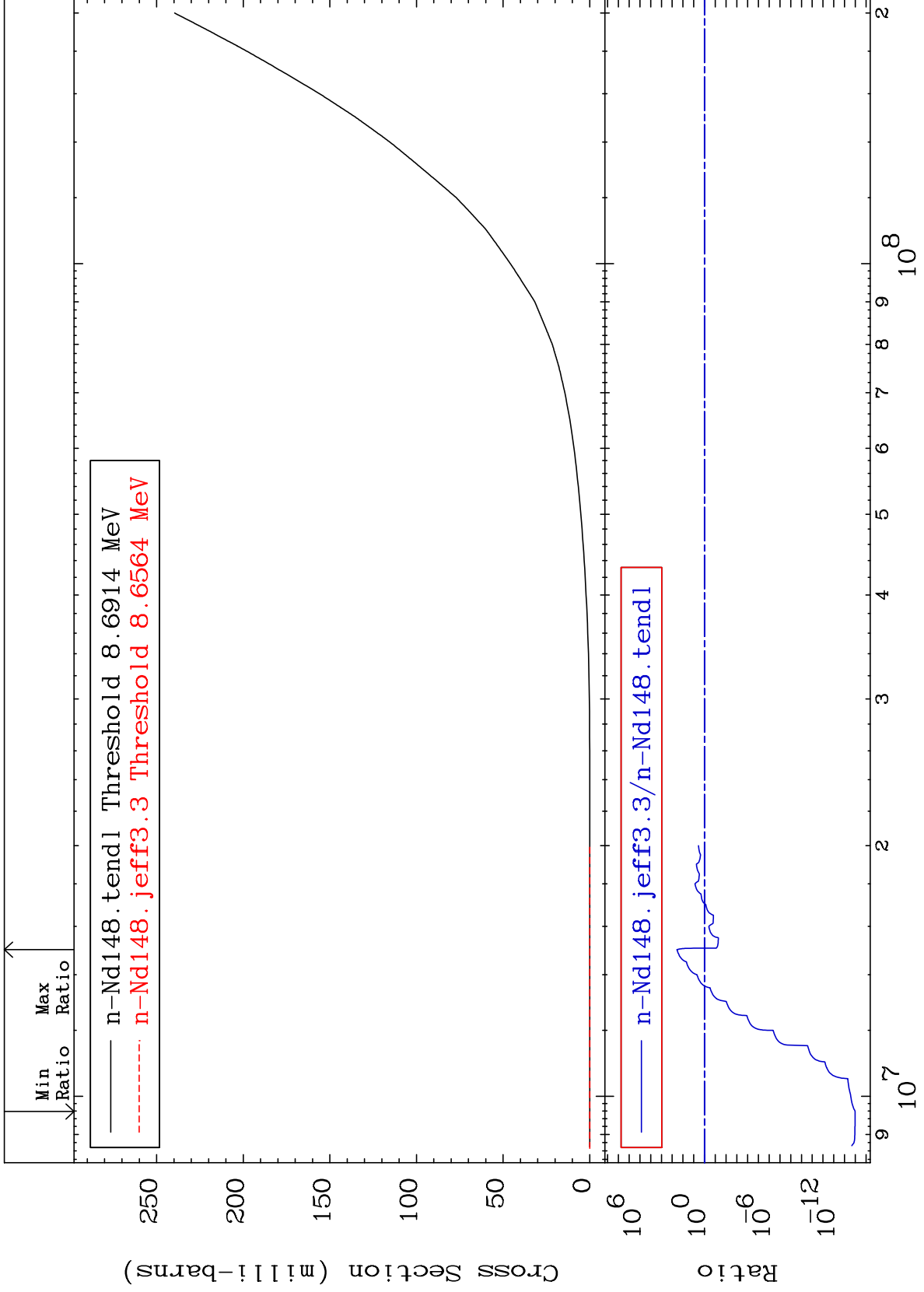
60-Nd-148  
-100.0 To 9999. %



MAT 6043

He-3 Production  
Cross Section

60-Nd-148  
-100.0 To 9999. %



51

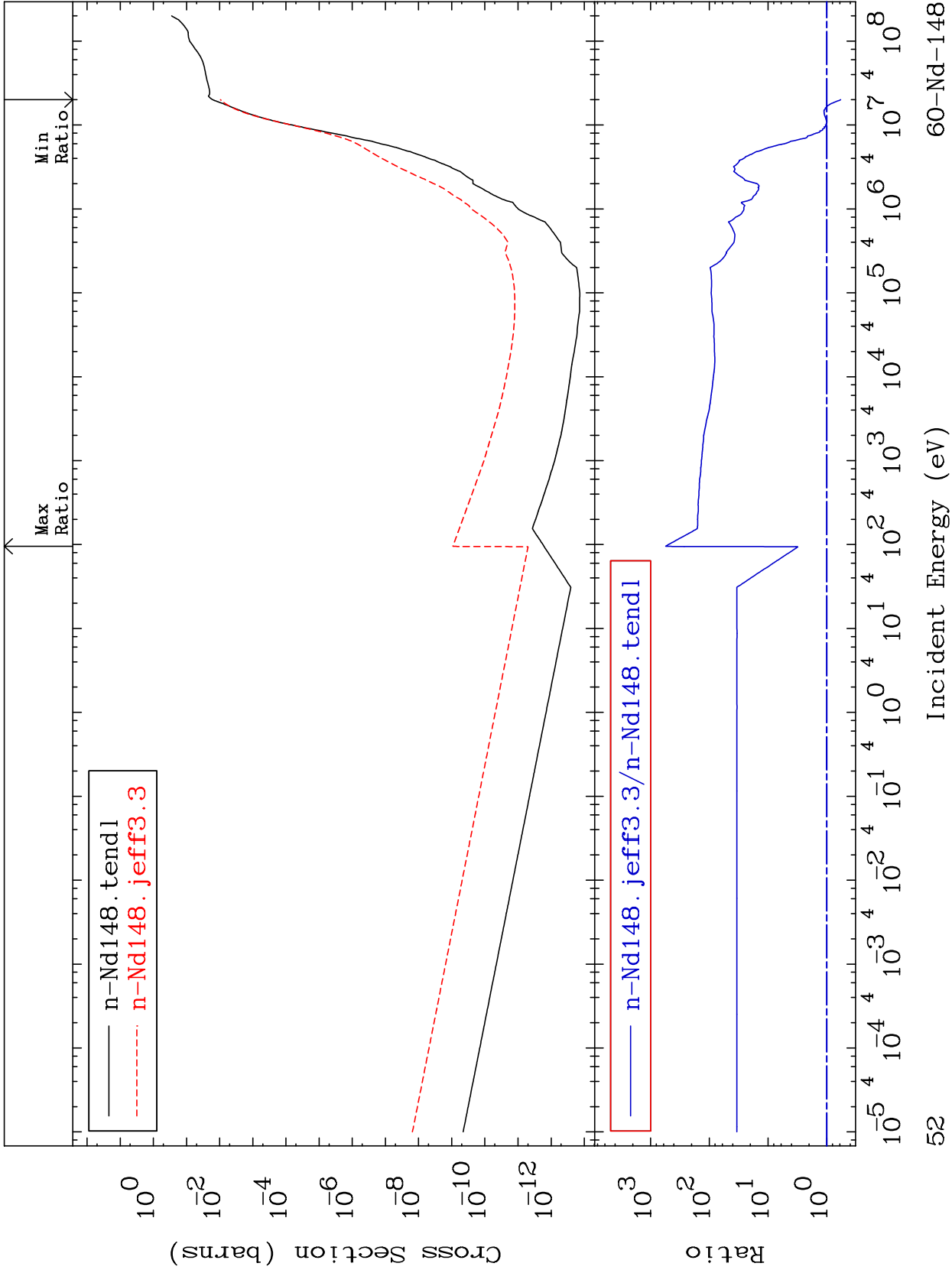
Incident Energy (eV)

60-Nd-148

MAT 6043

He-4 Production  
Cross Section

60-Nd-148  
-41.88 To 9999. %



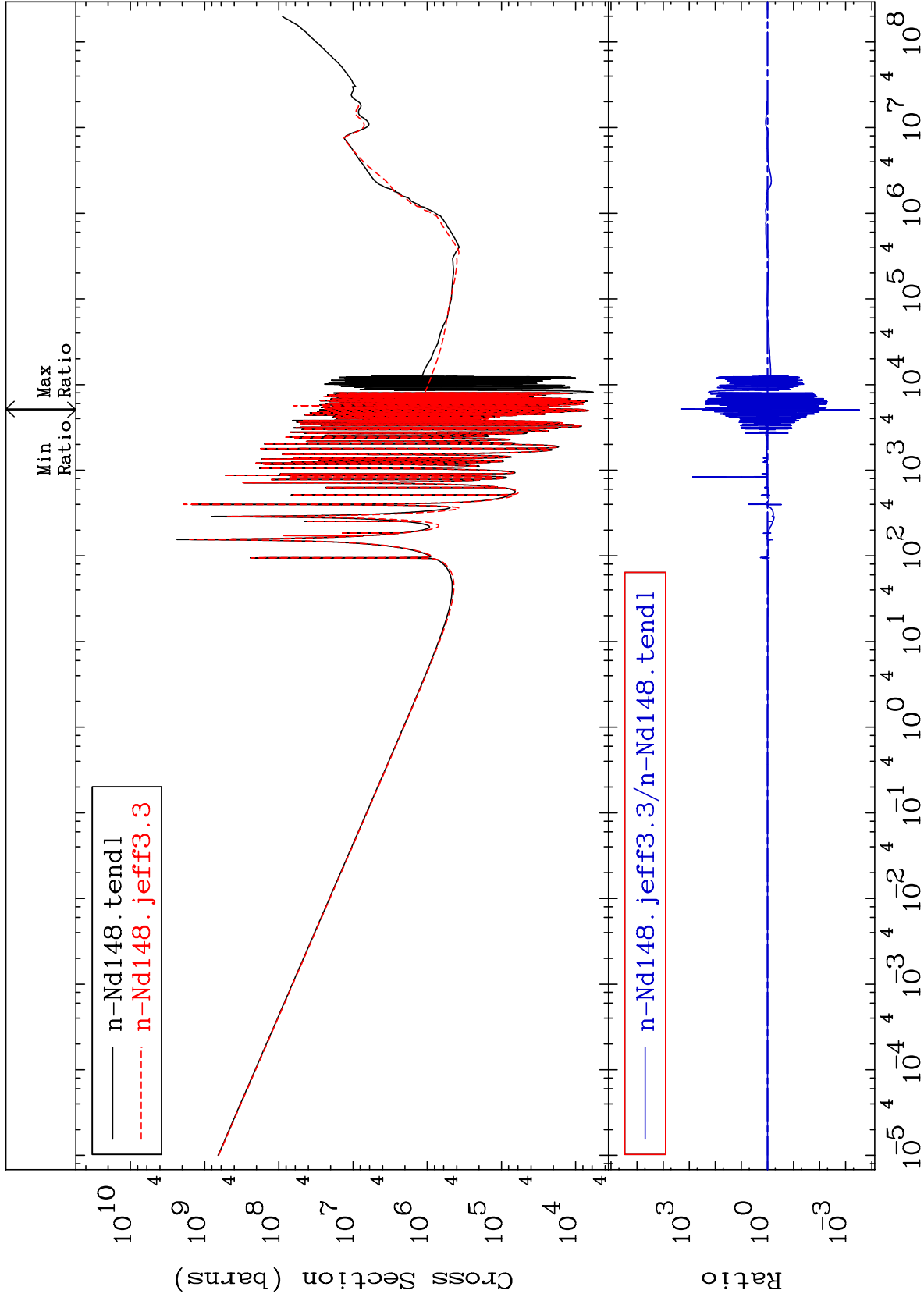
MAT 6043

Kerma total (eV-barns)

60-Nd-148

Cross Section

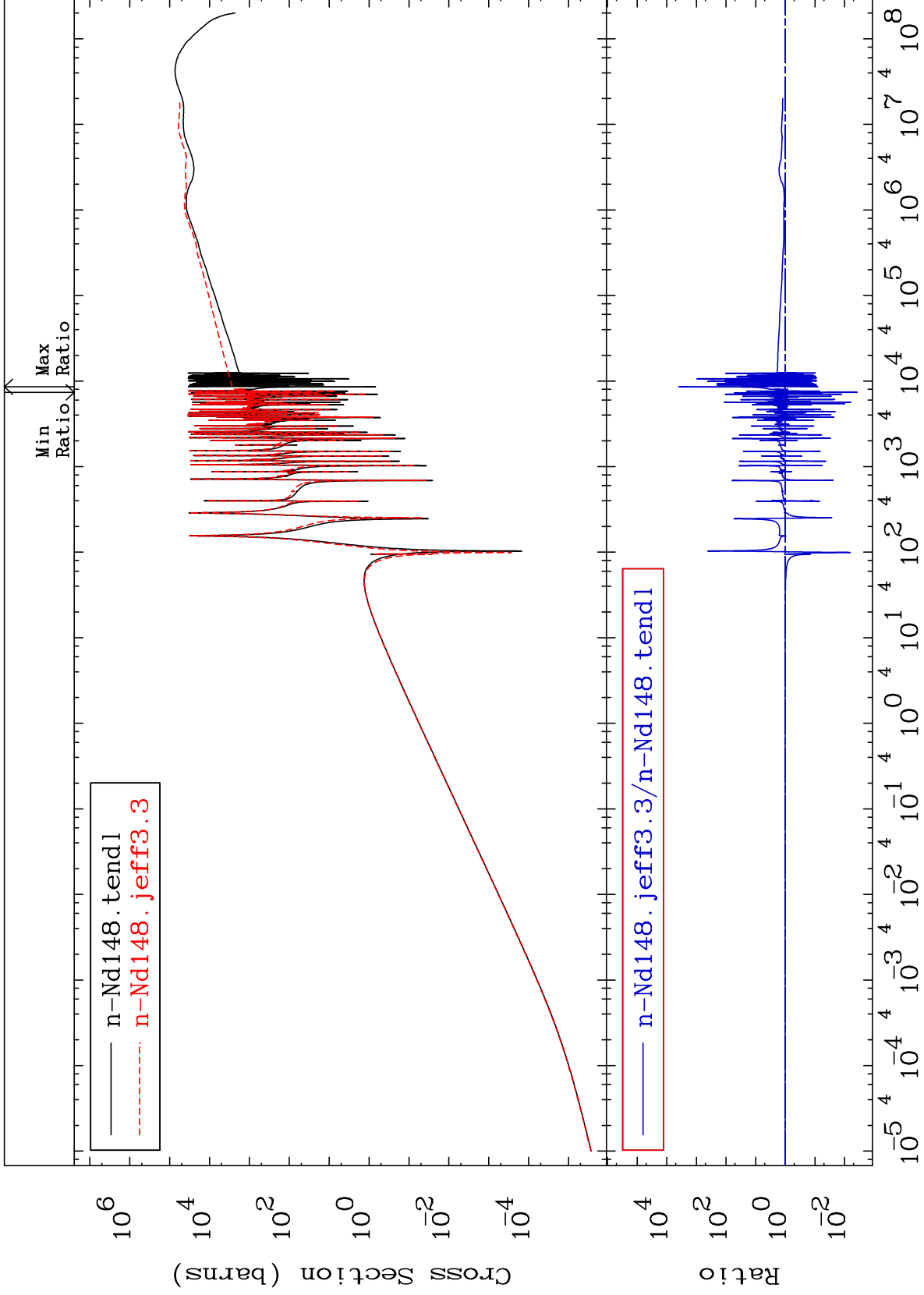
-99.97 To 9999. %

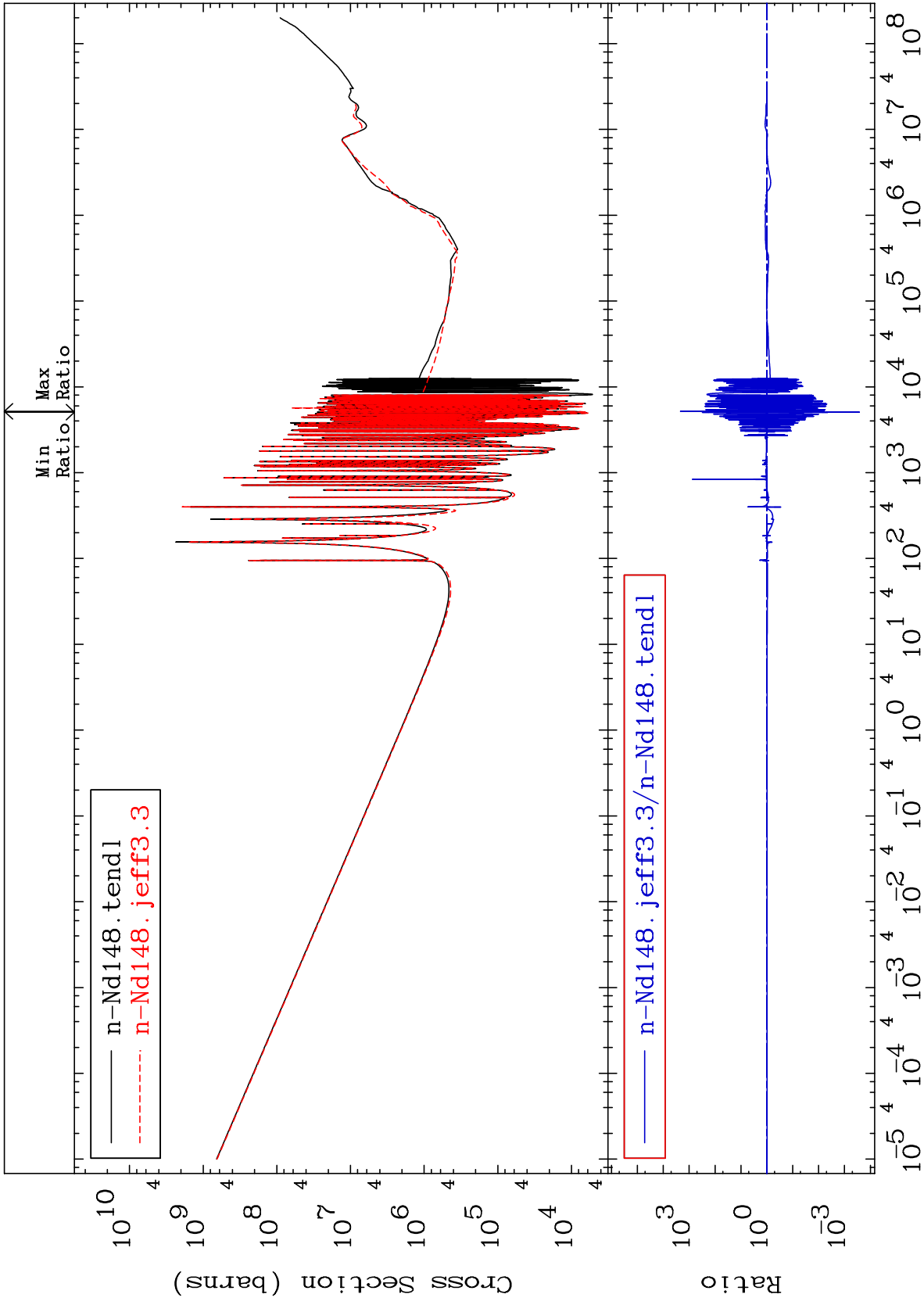


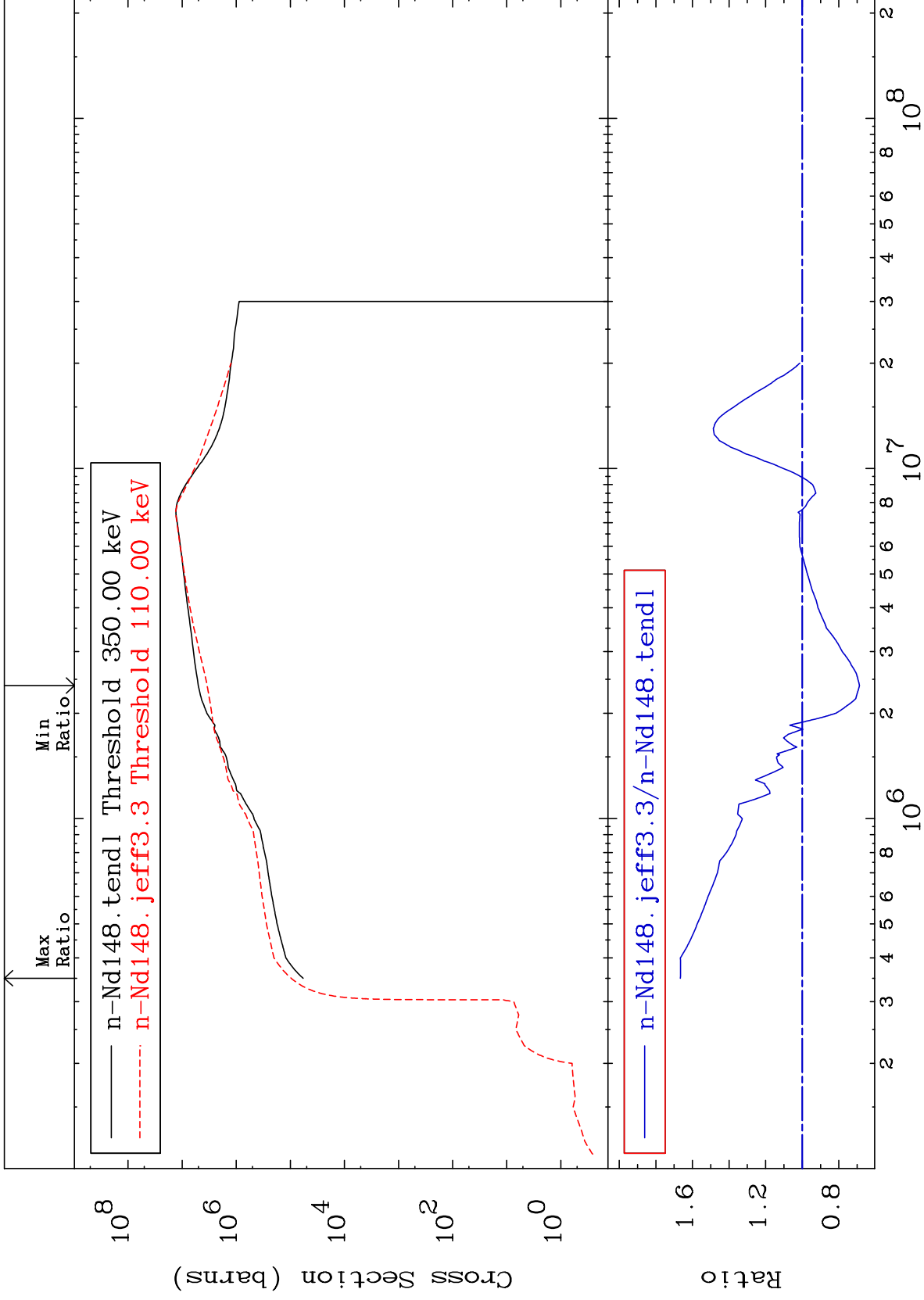
MAT 6043

Kerma elastic  
Cross Section

60-Nd-148  
-99.62 To 9999. %





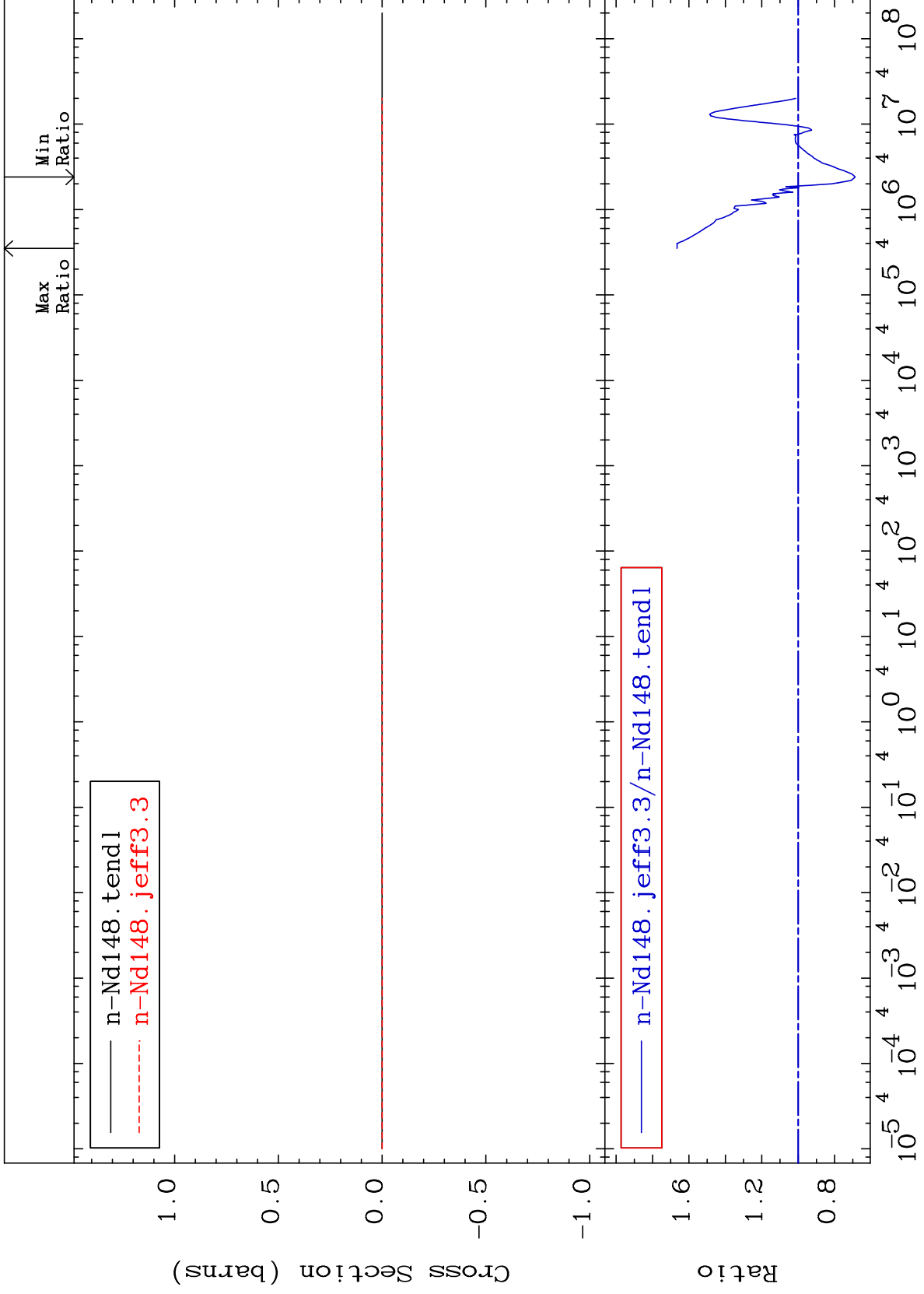




MAT 6043

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

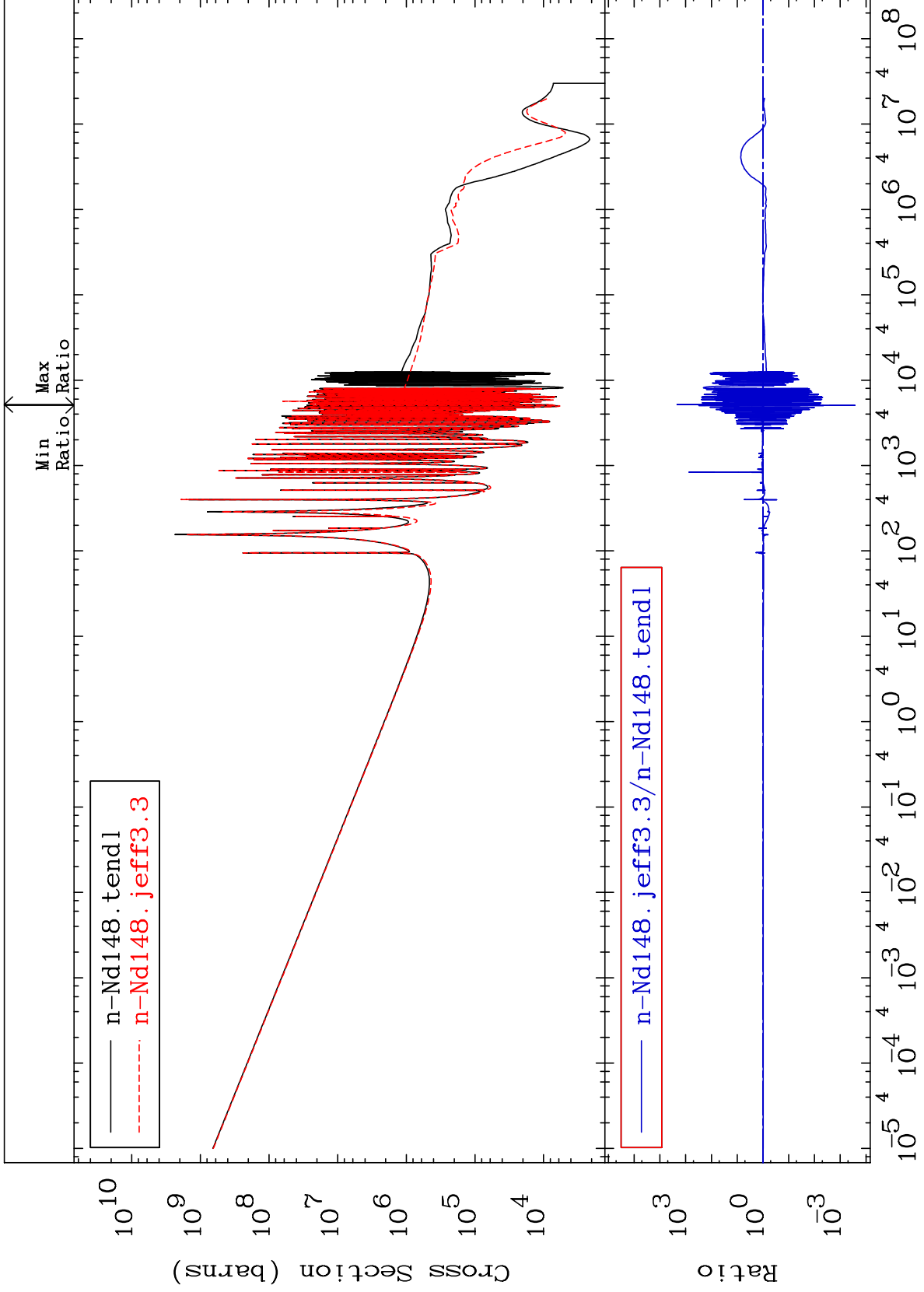
60-Nd-148  
-31.25 To 66.60 %



MAT 6043

Kerma capture (mt102)  
Cross Section

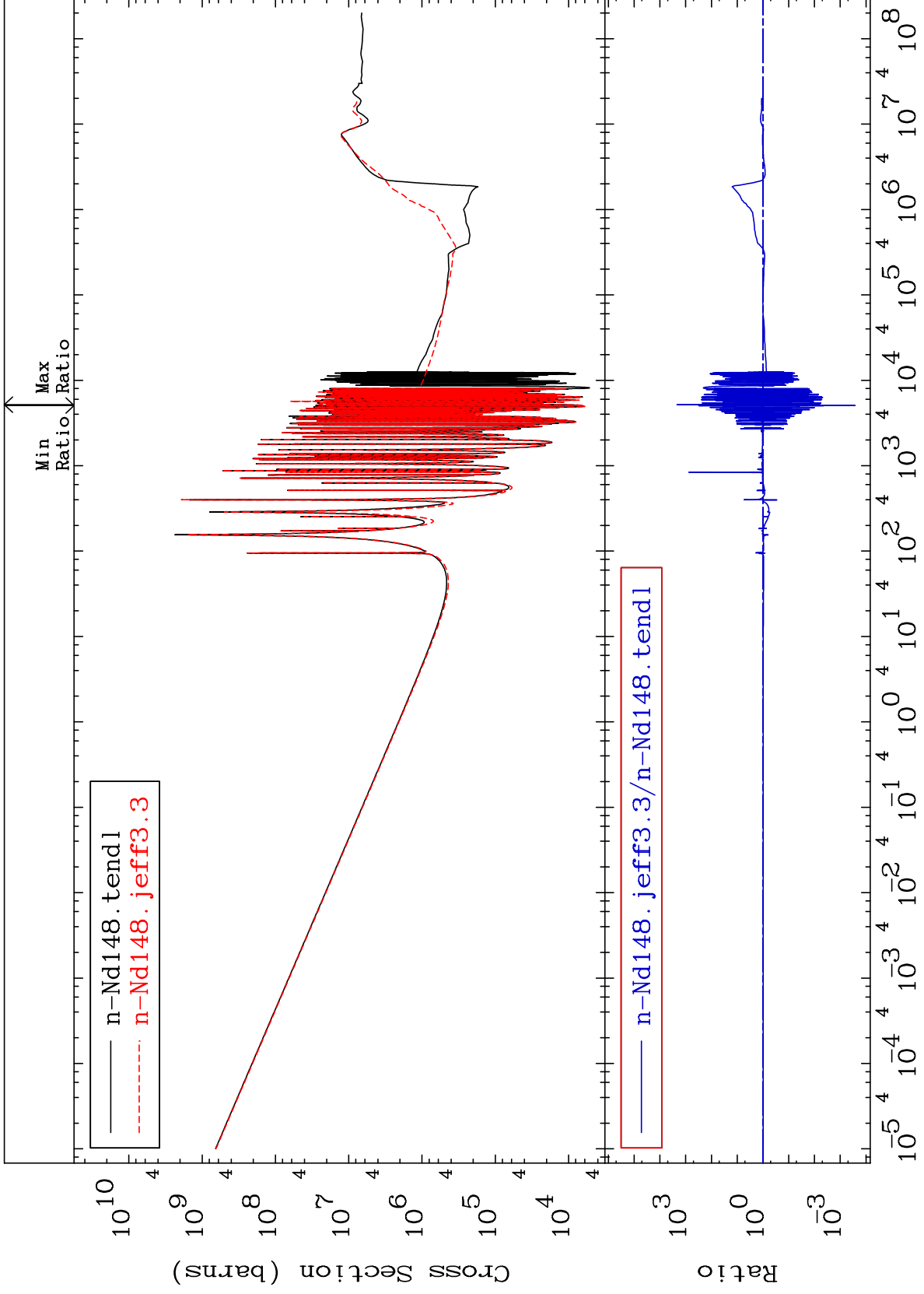
60-Nd-148  
-99.97 To 9999. %



MAT 6043

Total photon (eV-barns)  
Cross Section

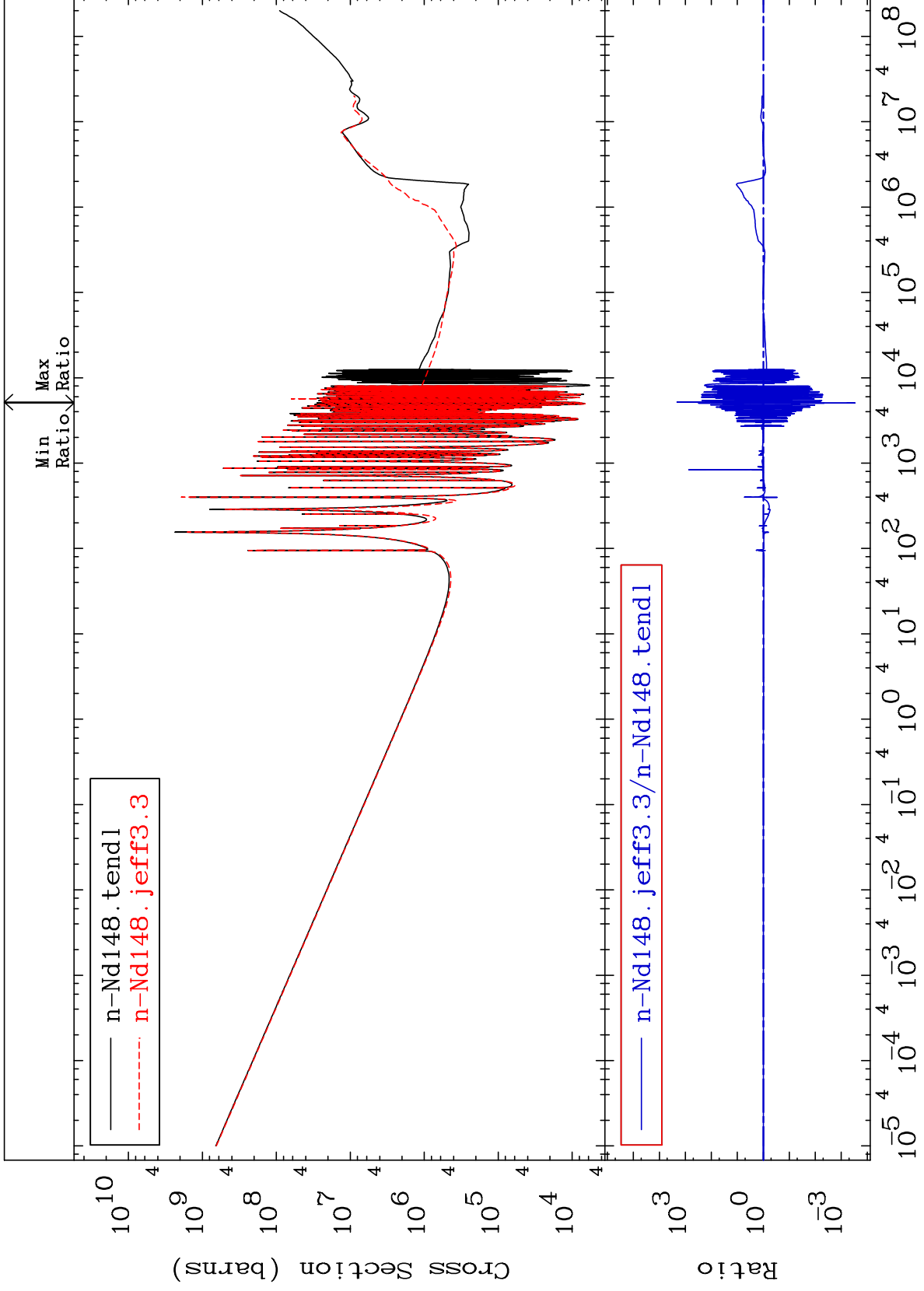
60-Nd-148  
-99.97 To 9999. %



MAT 6043

Total kinematic kerma (high limit)  
Cross Section

60-Nd-148  
-99.97 To 9999. %



60

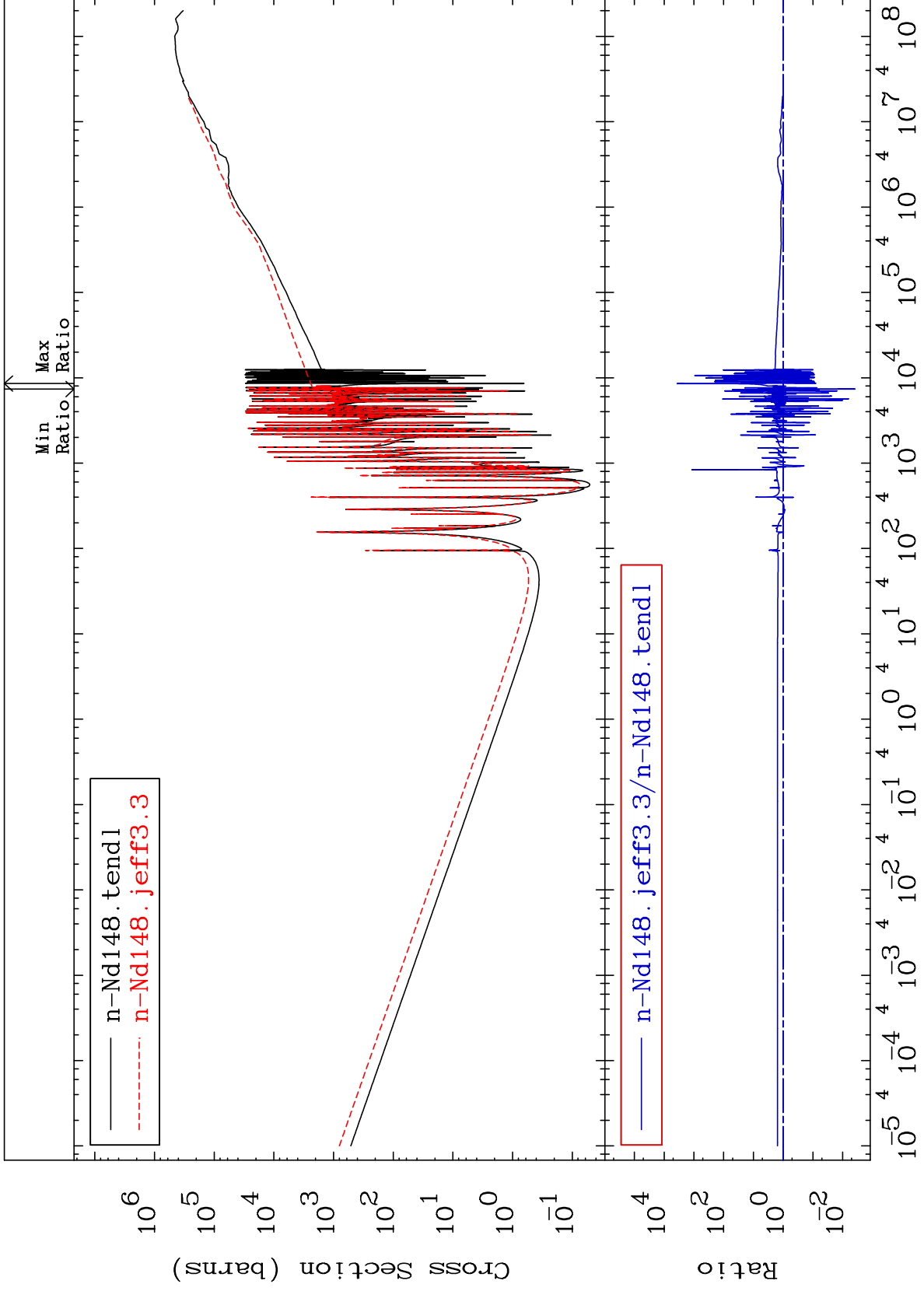
Incident Energy (eV)

60-Nd-148

MAT 6043

Dpa total (eV-barns)  
Cross Section

60-Nd-148  
-99.62 To 9999. %



61

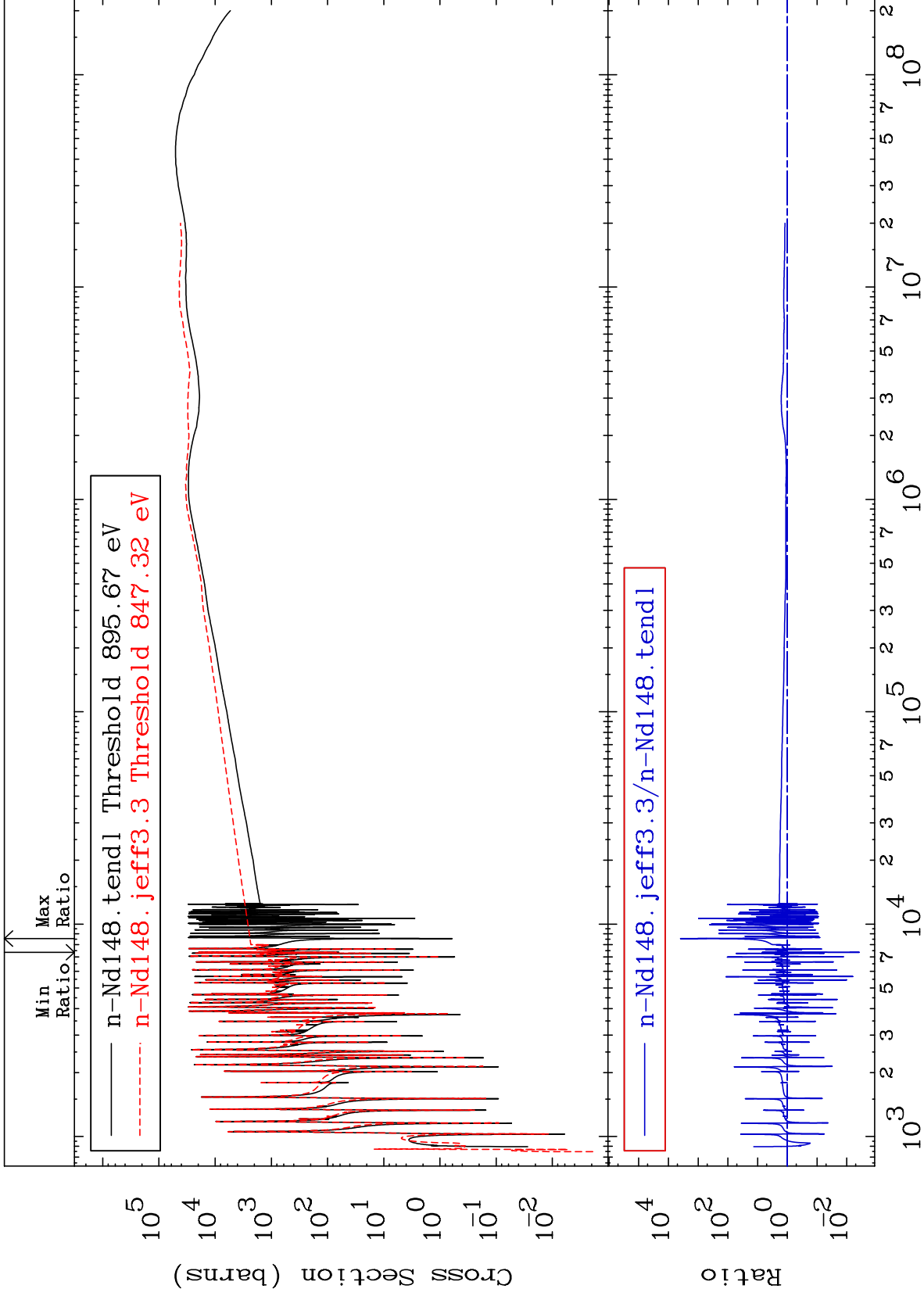
Incident Energy (eV)

60-Nd-148

MAT 6043

Dpa elastic (mt2)  
Cross Section

60-Nd-148  
-99.62 To 9999. %



62

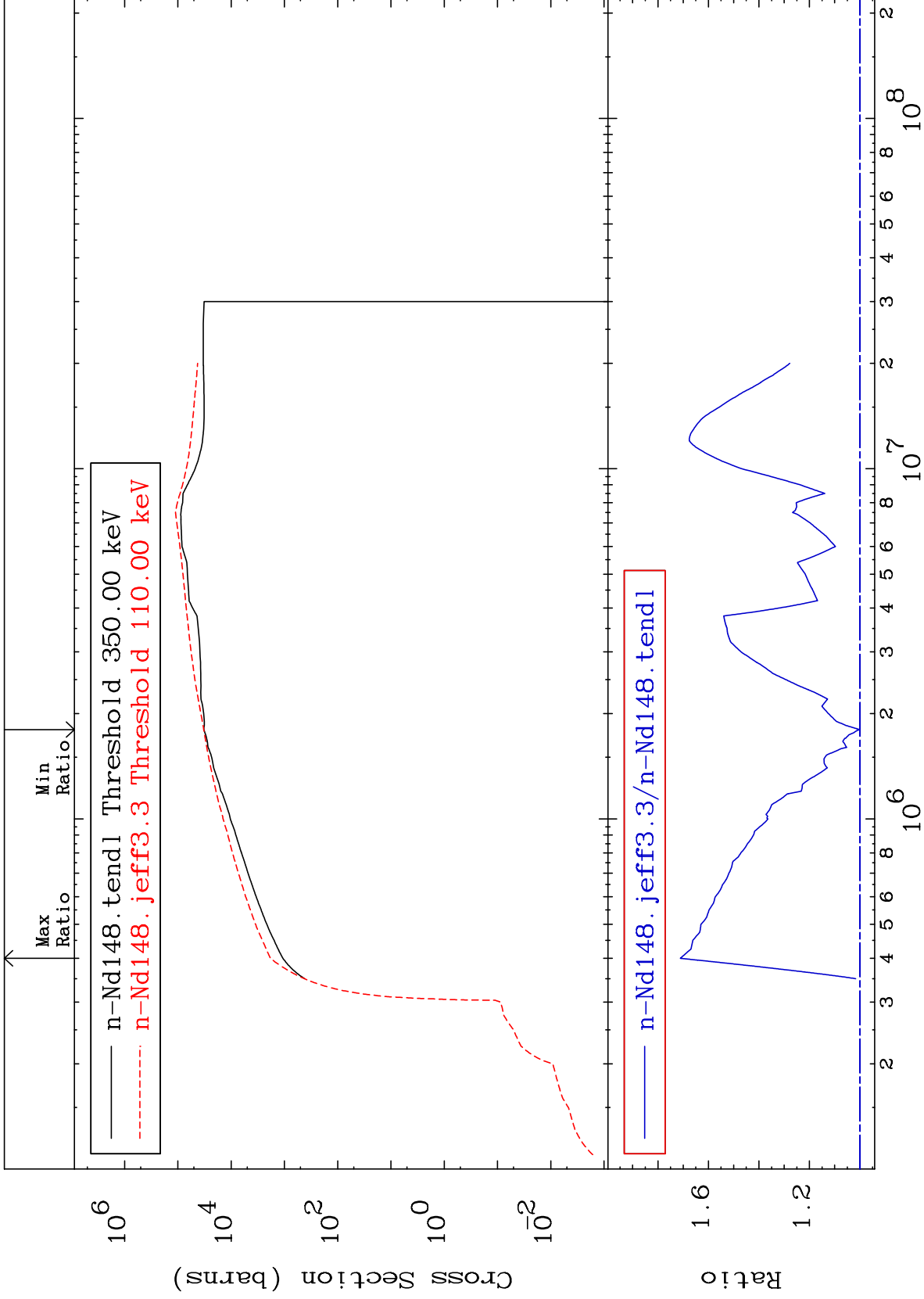
Incident Energy (eV)

60-Nd-148

MAT 6043

Dpa inelastic (mt51-91)  
Cross Section

60-Nd-148  
0.214 To 71.11 %



MAT 6043

Dpa disappearance (mt102 -120)  
Cross Section

60-Nd-148  
-99.96 To 9999. %

