

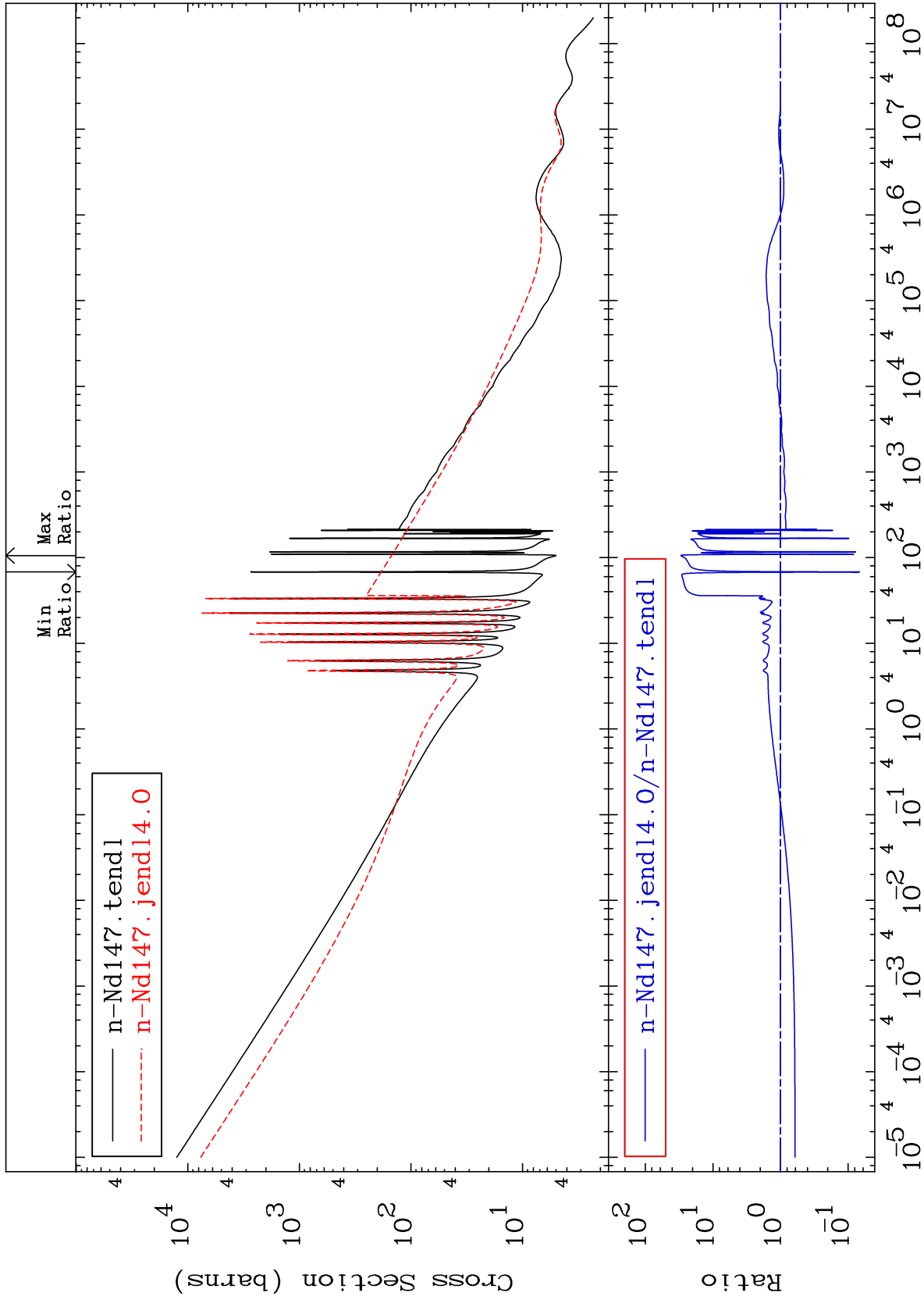
MAT 6040

Total

60-Nd-147

Cross Section

-93.23 To 2890. %



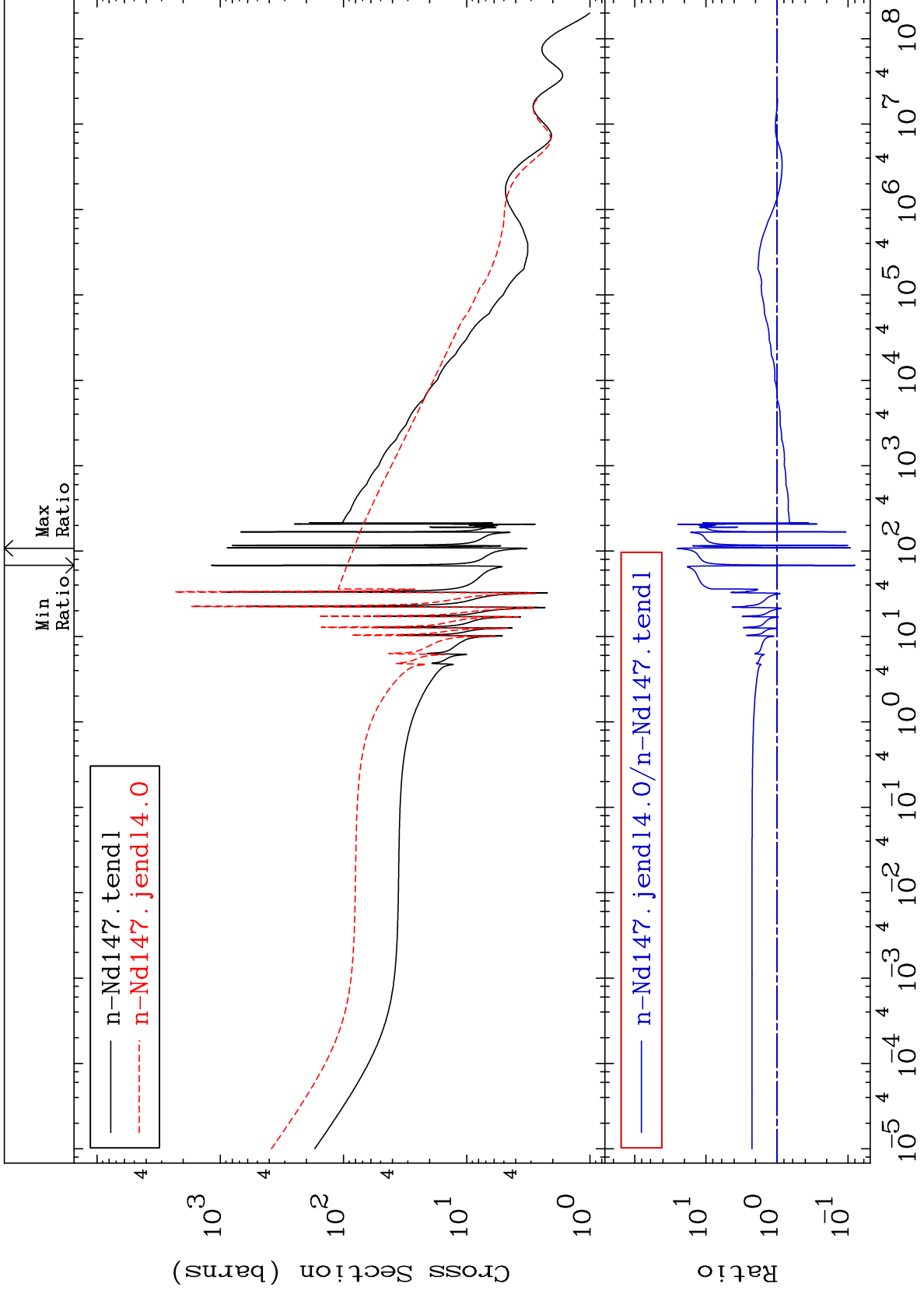
Incident Energy (eV)

60-Nd-147

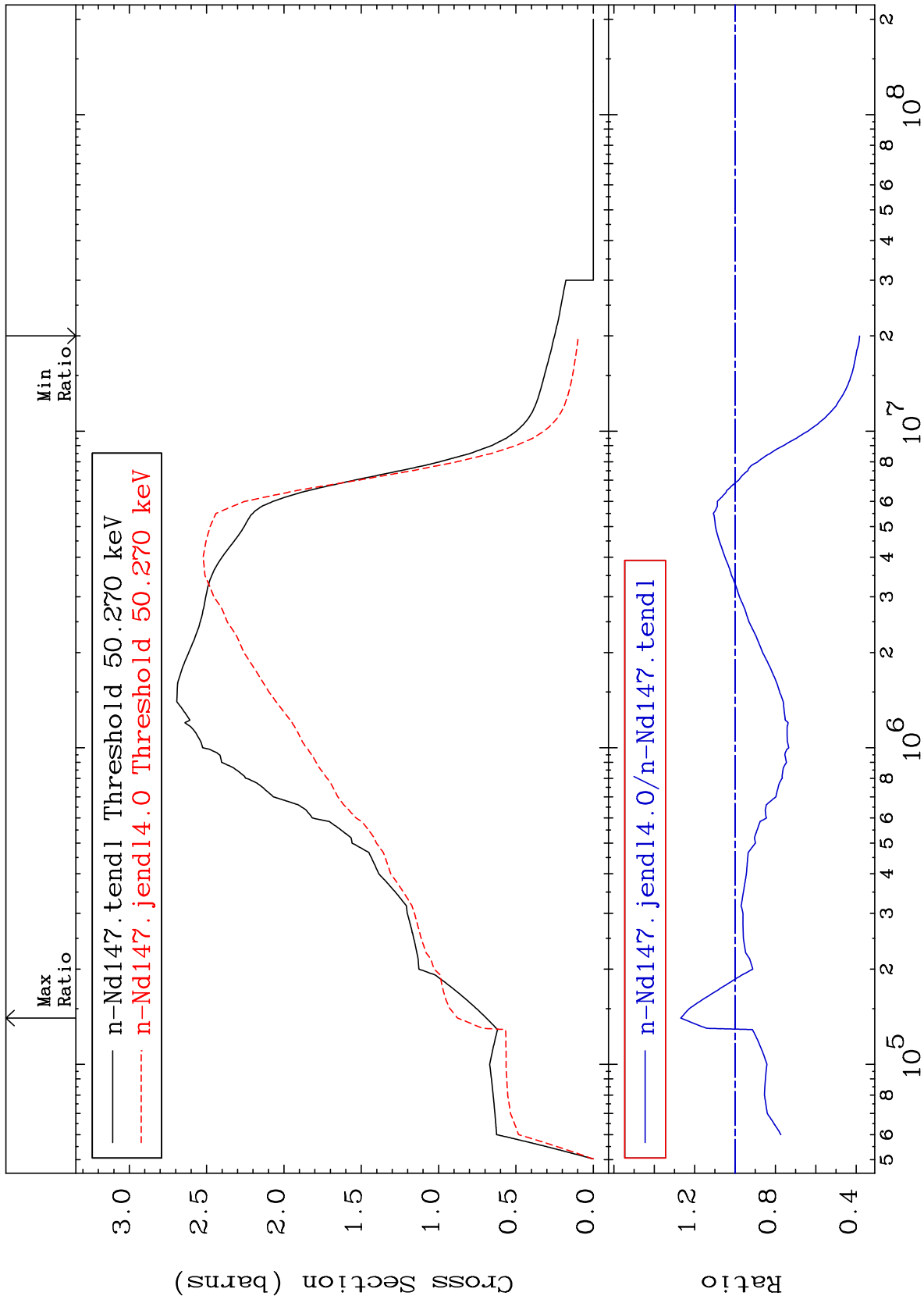
MAT 6040

Elastic  
Cross Section

60-Nd-147  
-92.04 To 2451. %



MAT 6040 Inelastic Cross Section 60-Nd-147 -61.62 To 26.92 %



3 Incident Energy (eV) 60-Nd-147

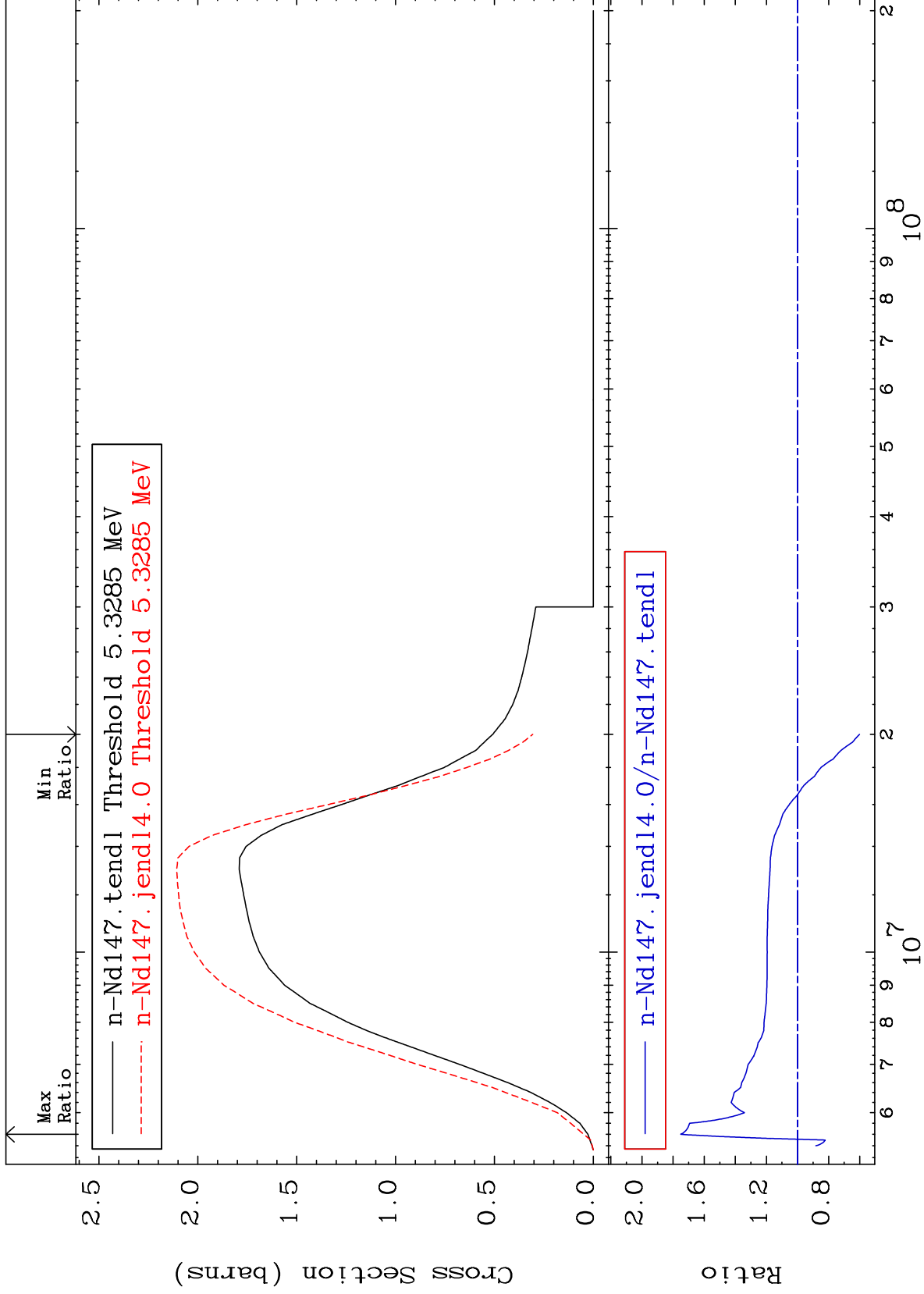
MAT 6040

(n,2n)

60-Nd-147

Cross Section

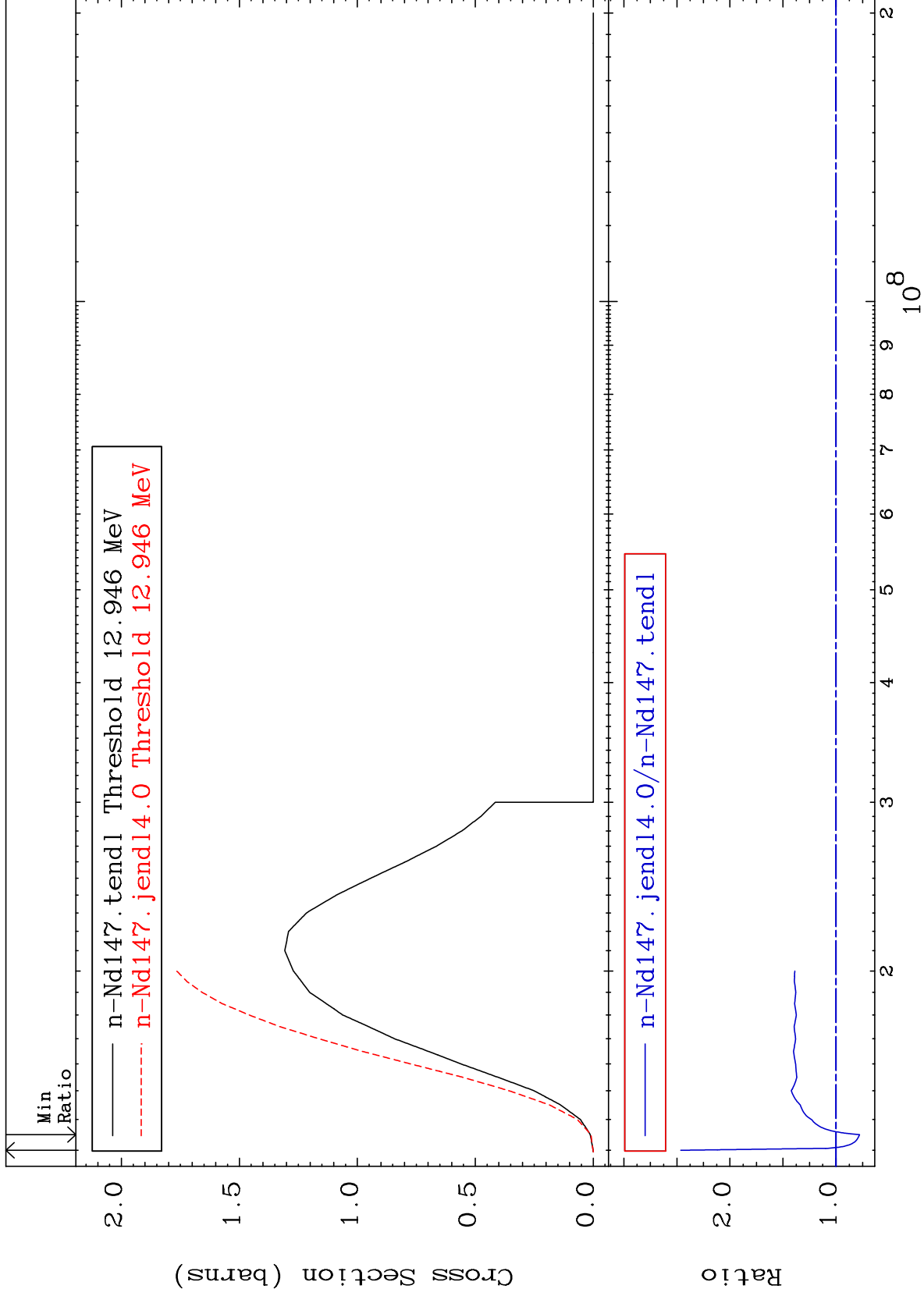
-39.85 To 75.06 %



MAT 6040

(n,3n)  
Cross Section

60-Nd-147  
-22.15 To 146.3 %



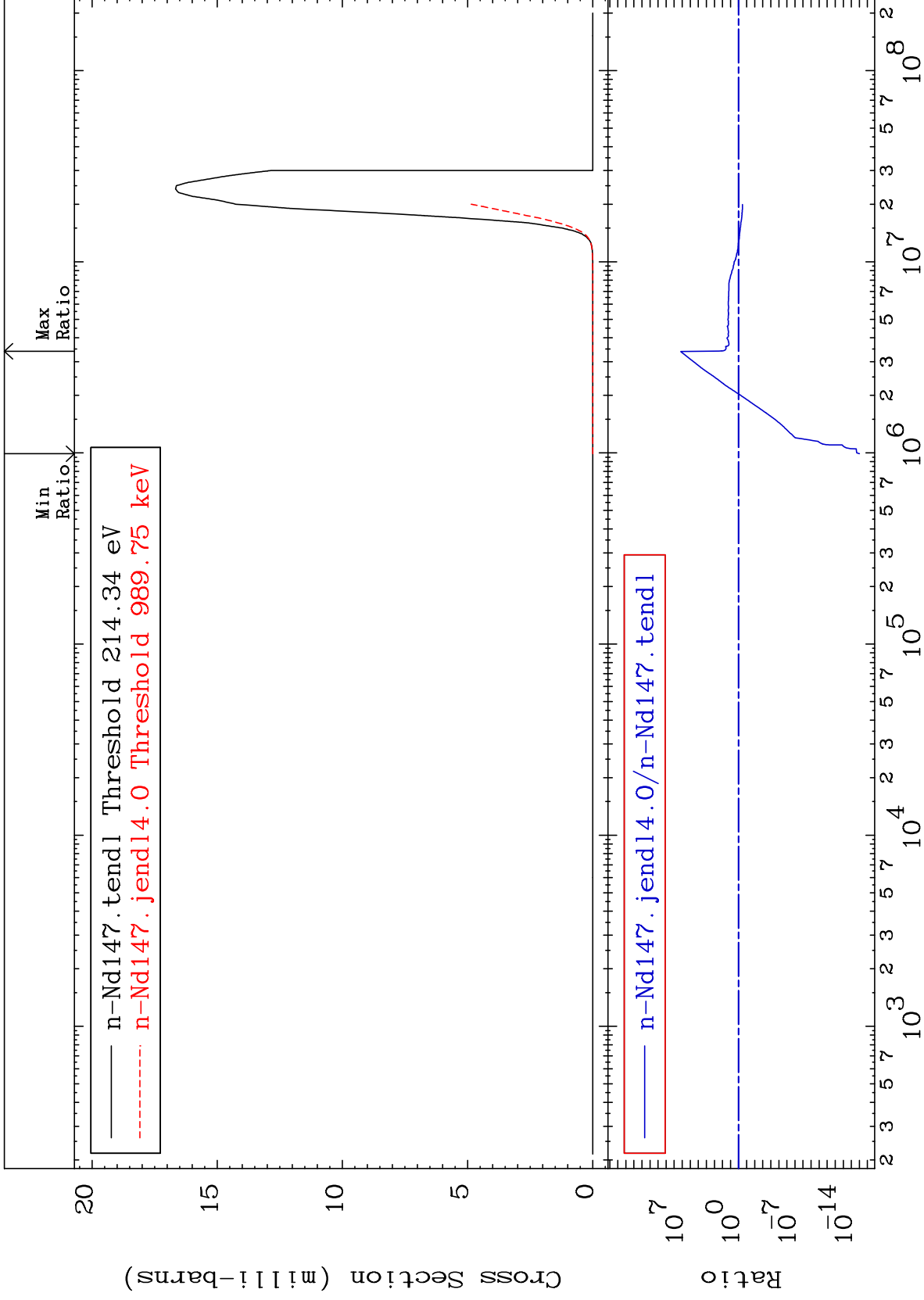
MAT 6040

(n, n')  $\alpha$

60-Nd-147

Cross Section

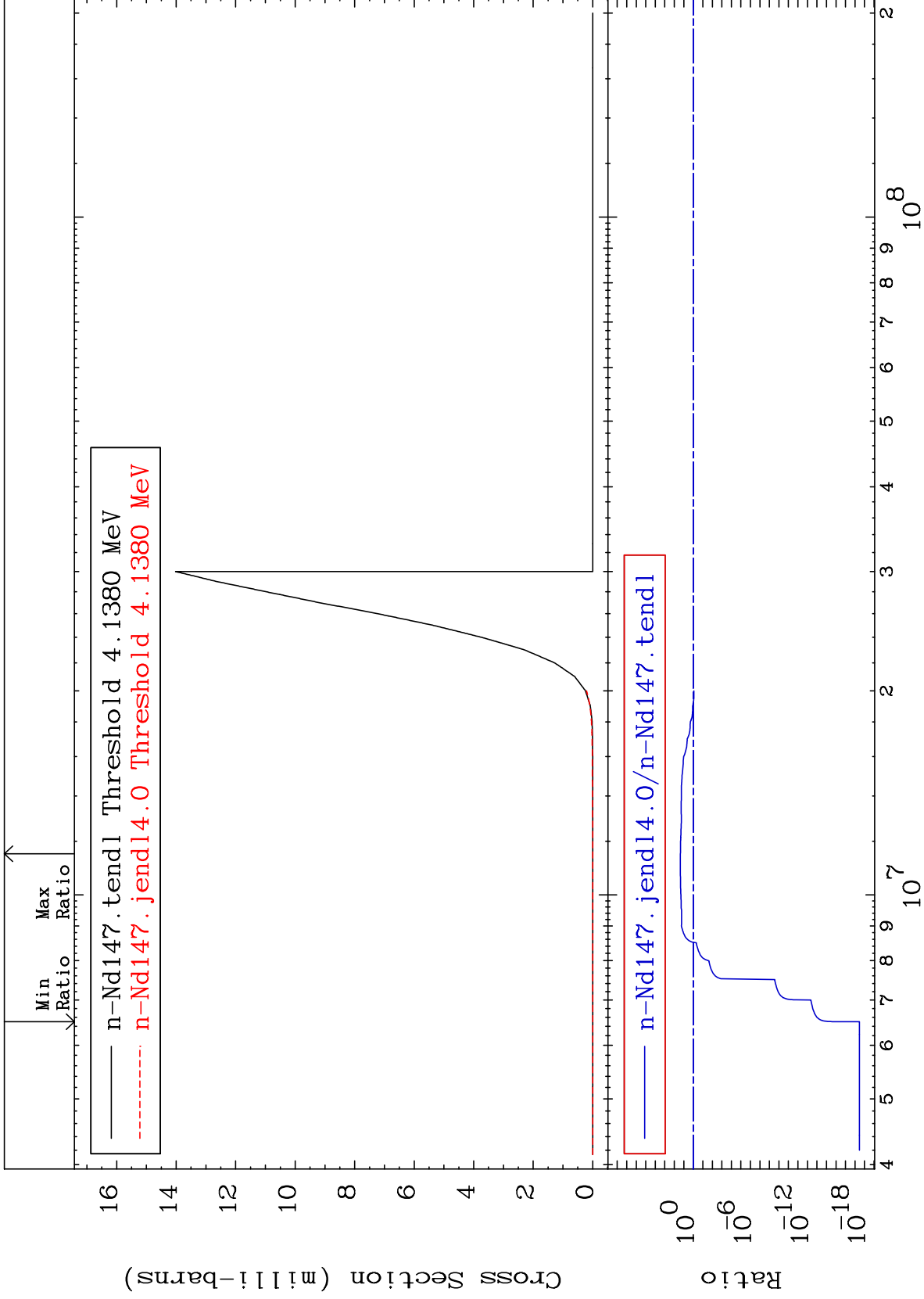
-100.0 To 9999. %



MAT 6040

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

60-Nd-147  
-100.0 To 2199. %



7

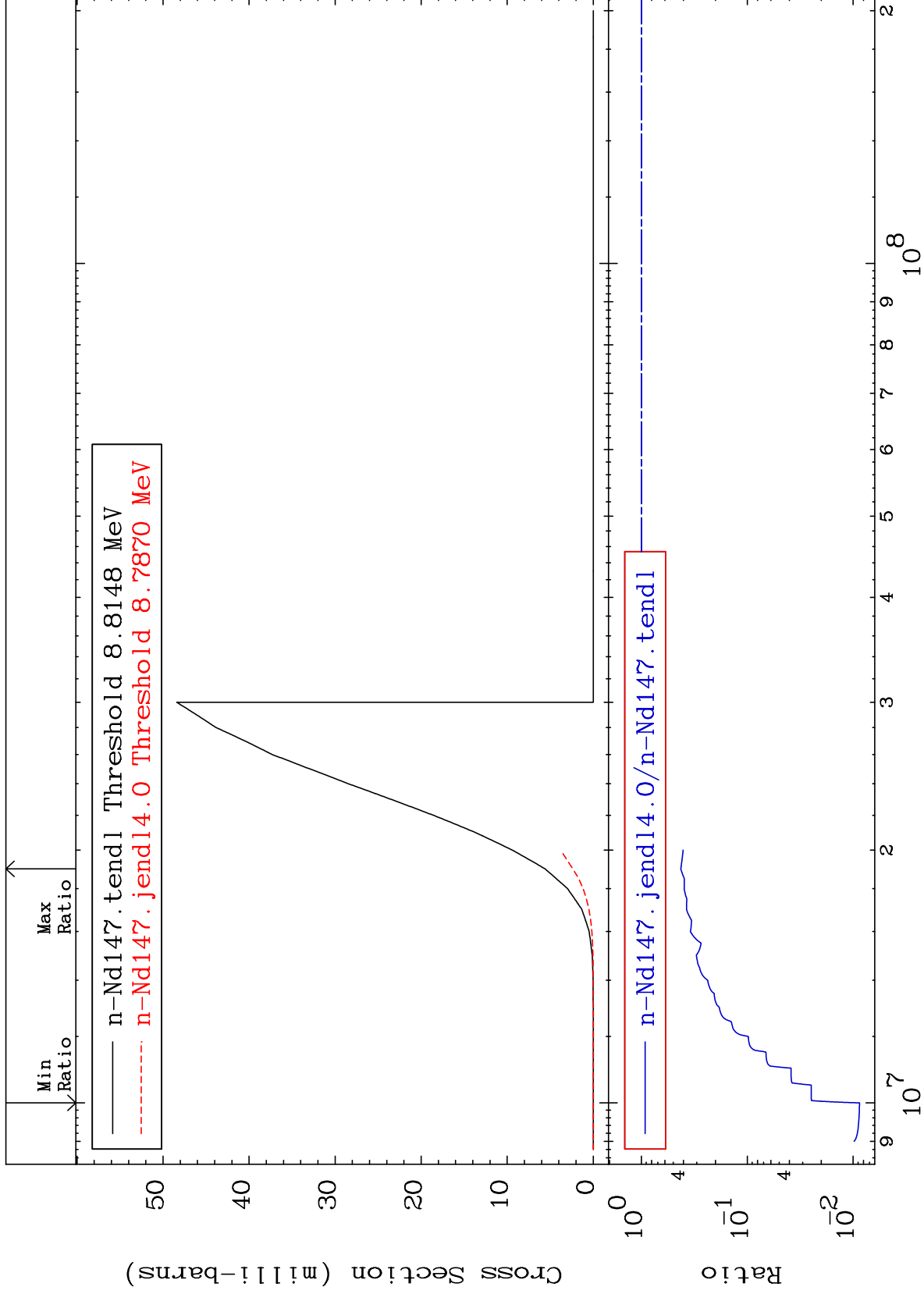
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') p  
Cross Section

60-Nd-147  
-99.13 To -57.55%



8

Incident Energy (eV)

60-Nd-147



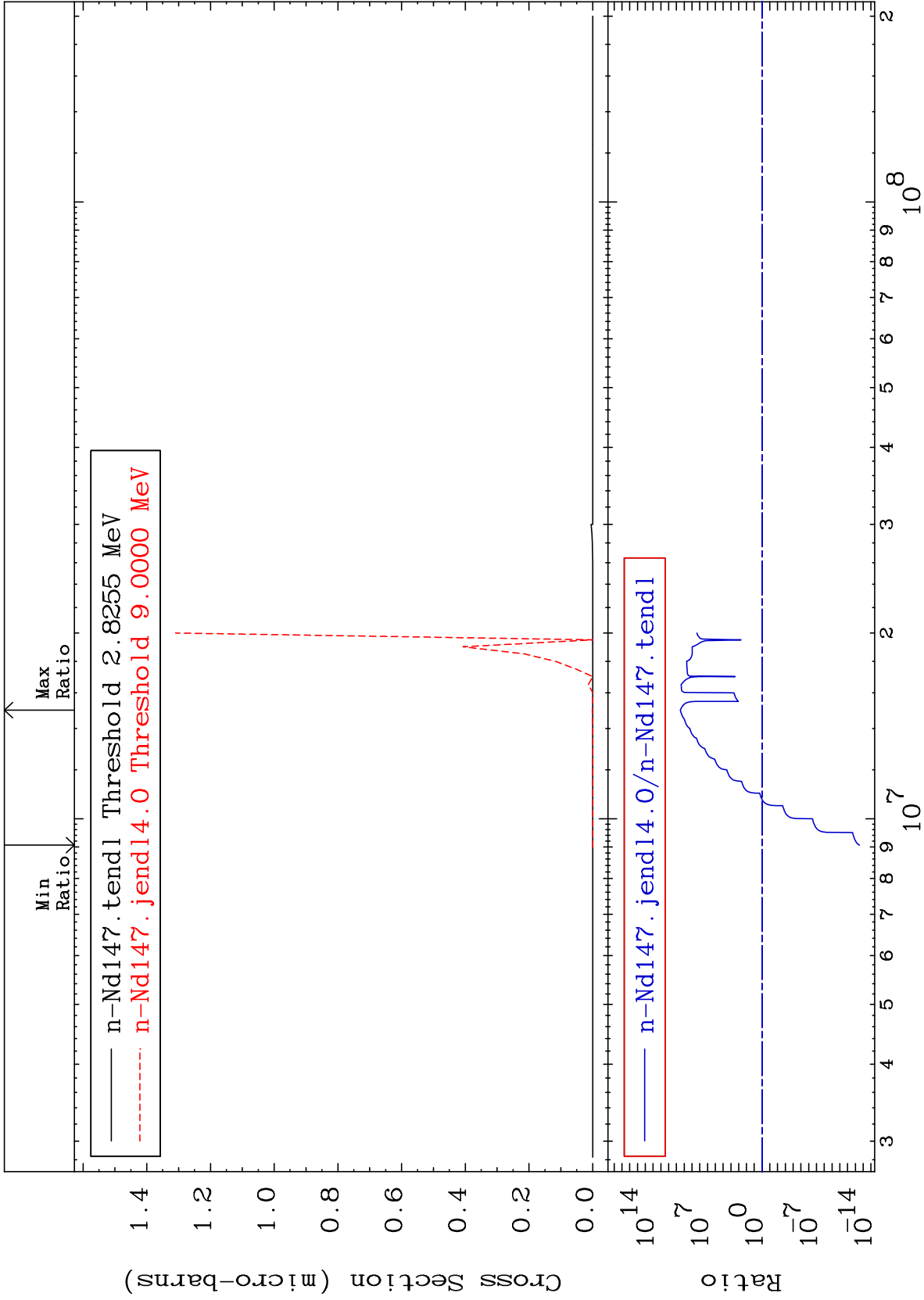
MAT 6040

(n,2n) 2α

60-Nd-147

Cross Section

-100.0 To 9999. %



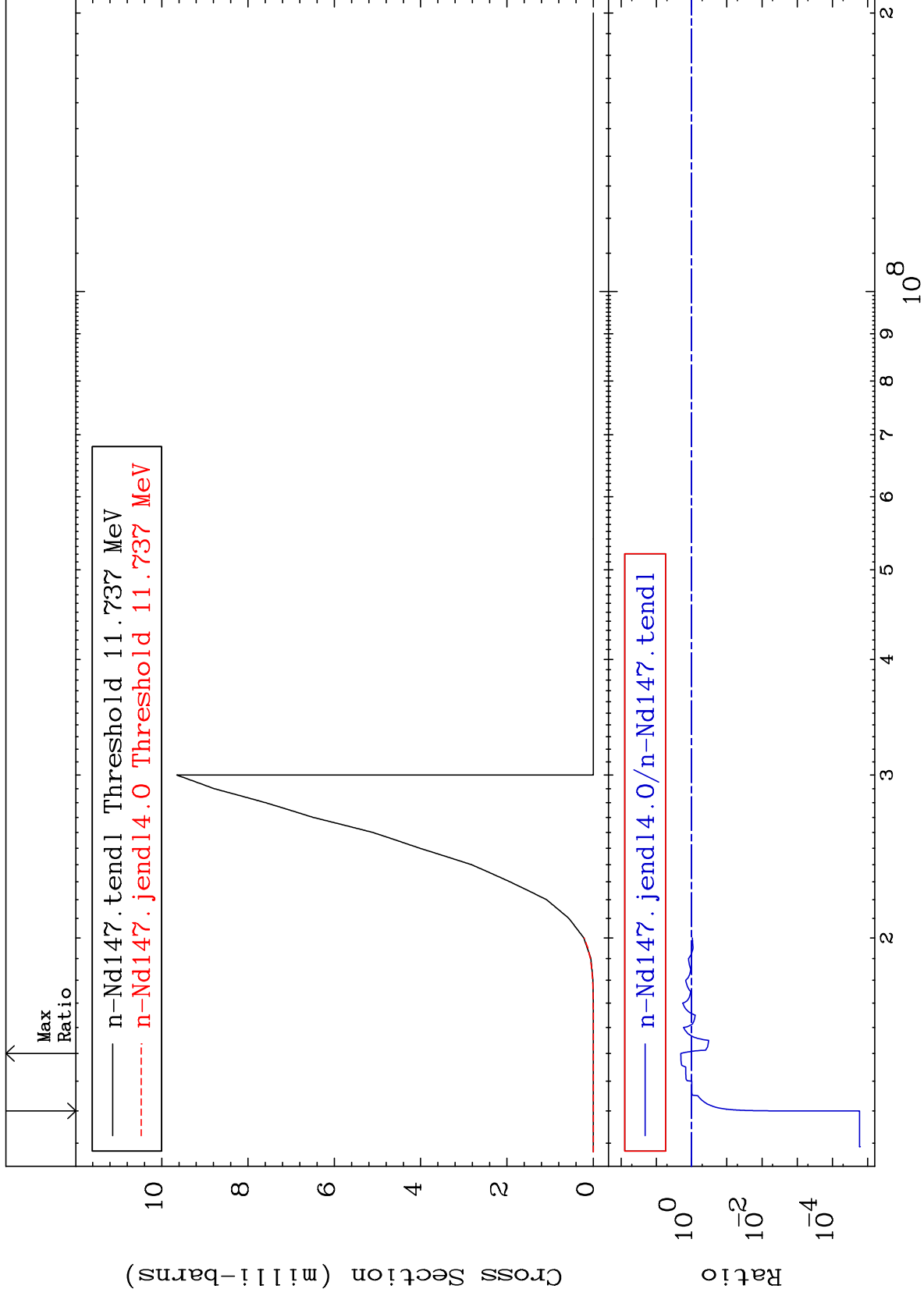
MAT 6040

(n,n') d

60-Nd-147

Cross Section

-100.0 To 103.4 %



10

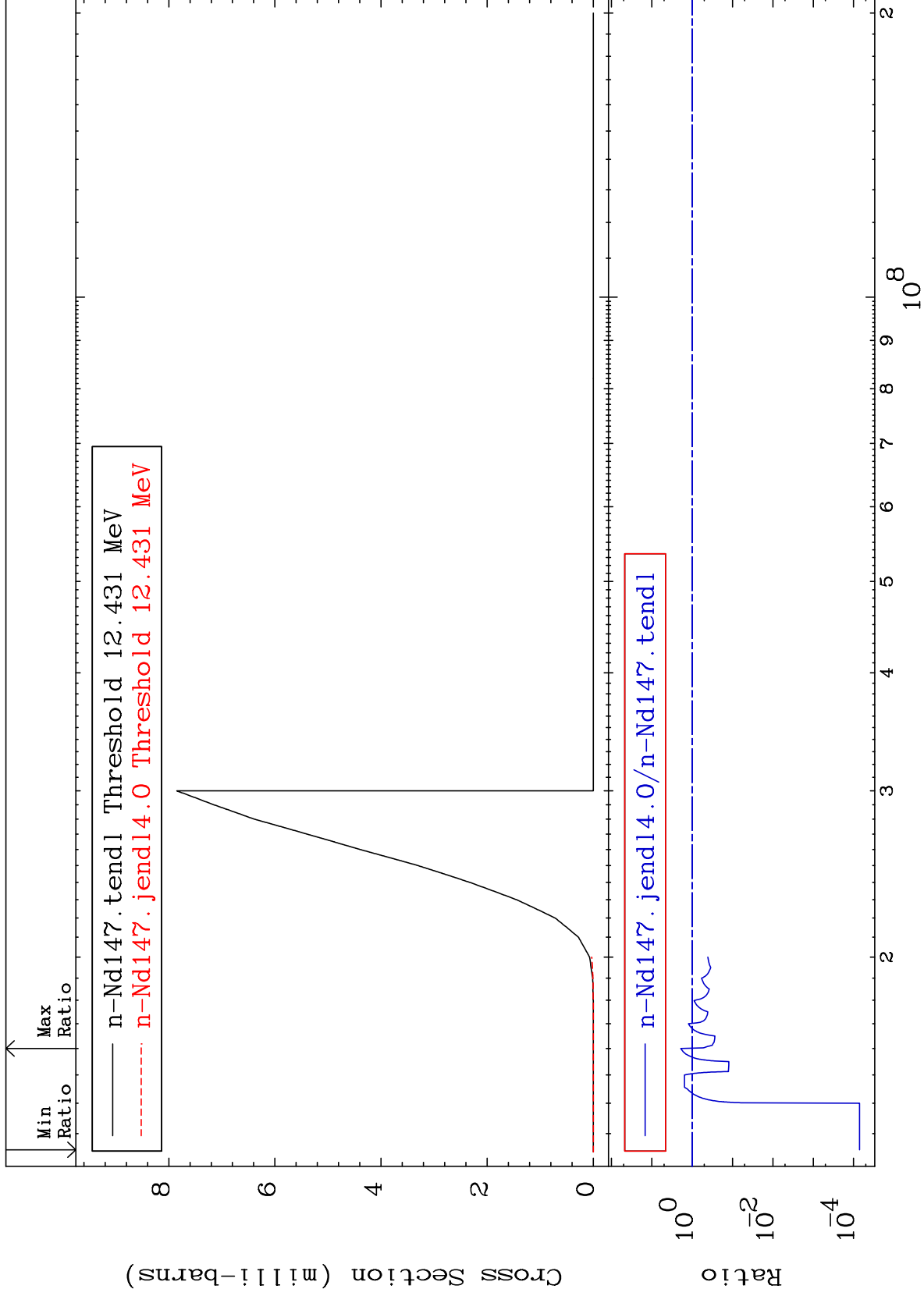
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') t  
Cross Section

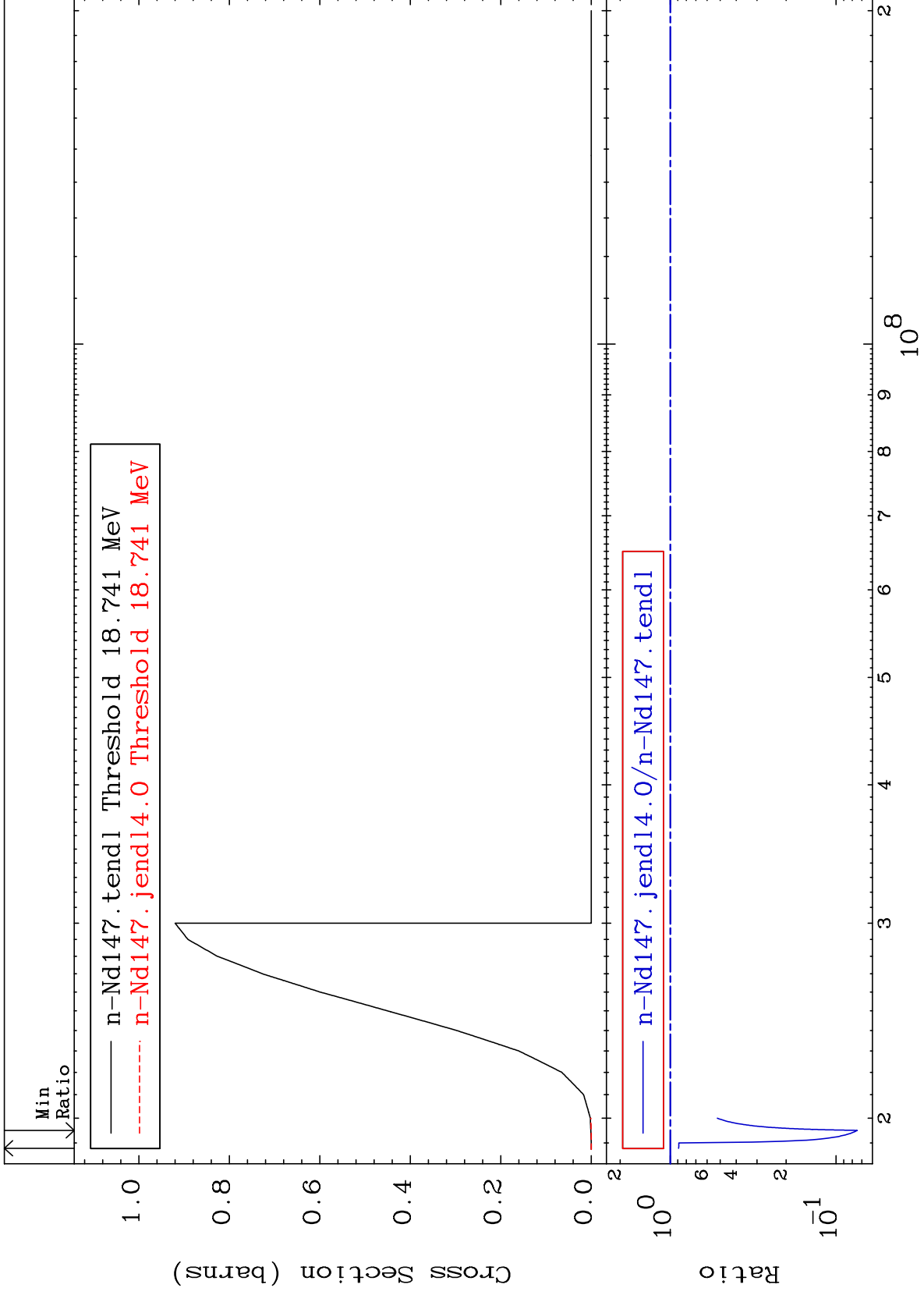
60-Nd-147  
-99.99 To 91.85 %



MAT 6040

(n,4n)  
Cross Section

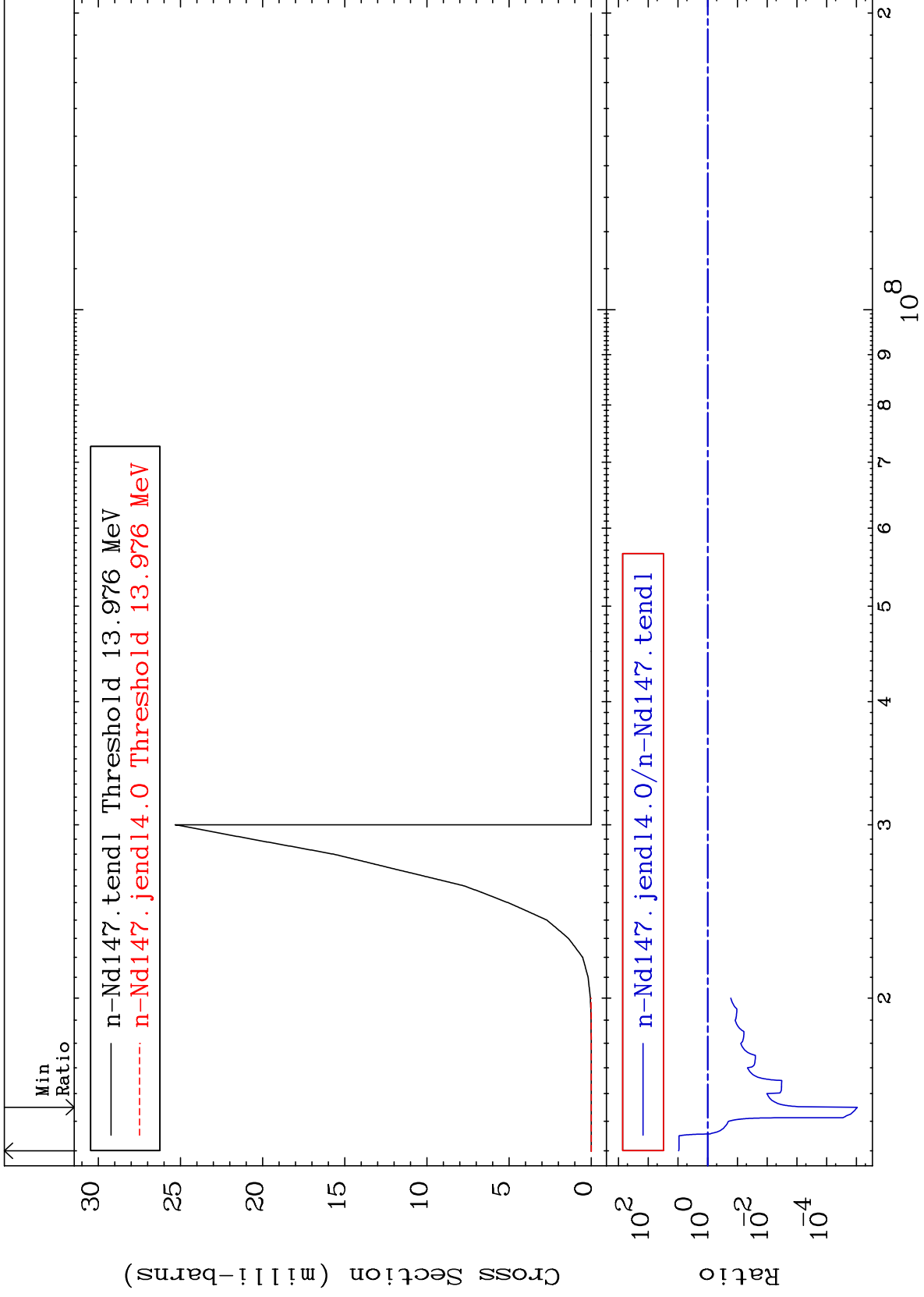
60-Nd-147  
-92.54 To -11.07%



MAT 6040

(n,2n) p  
Cross Section

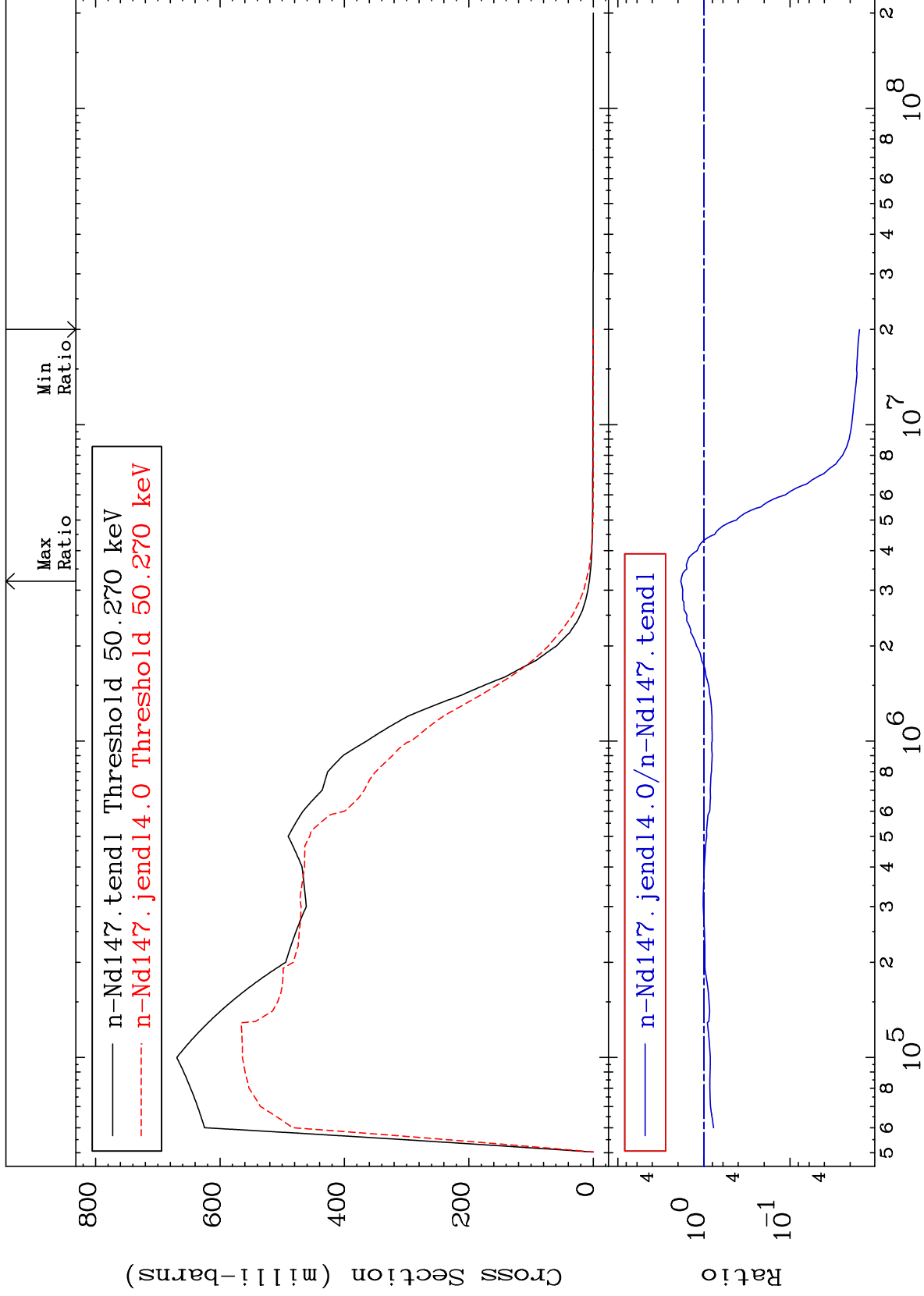
60-Nd-147  
-100.0 To 846.3 %



MAT 6040

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

60-Nd-147  
-98.44 To 85.97 %



14

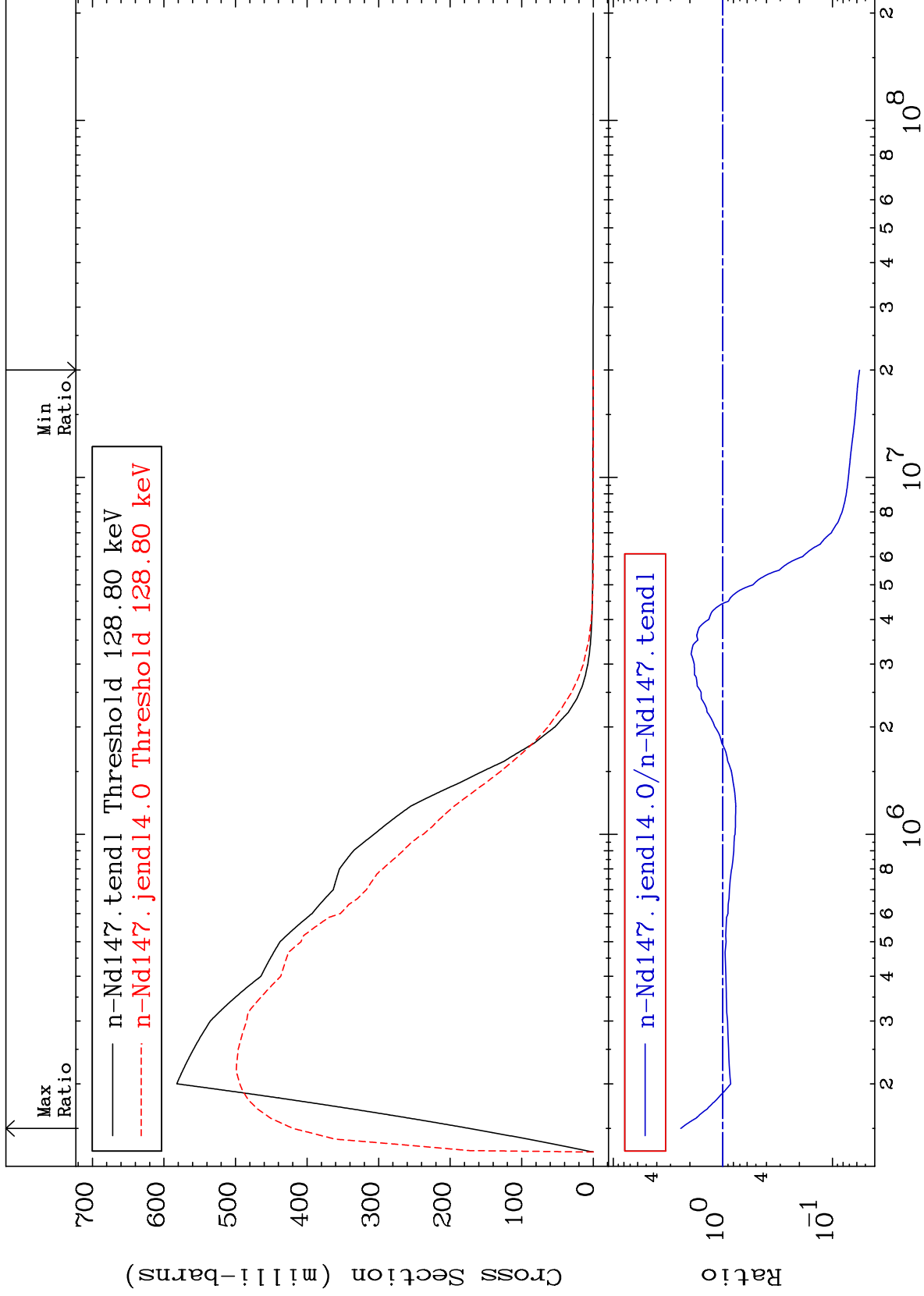
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-94.34 To 142.1 %



15

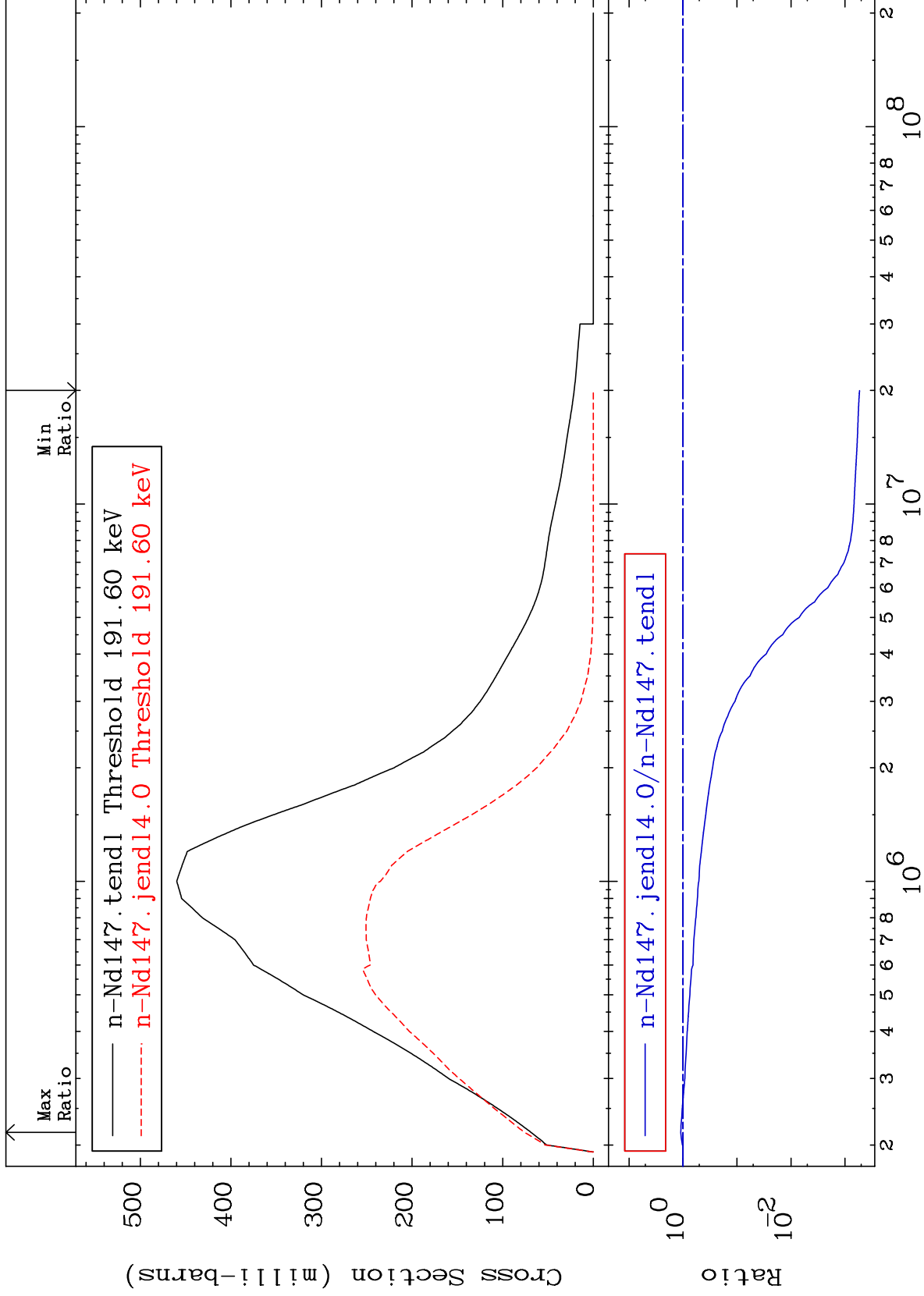
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-99.95 To 10.34 %



16

Incident Energy (eV)

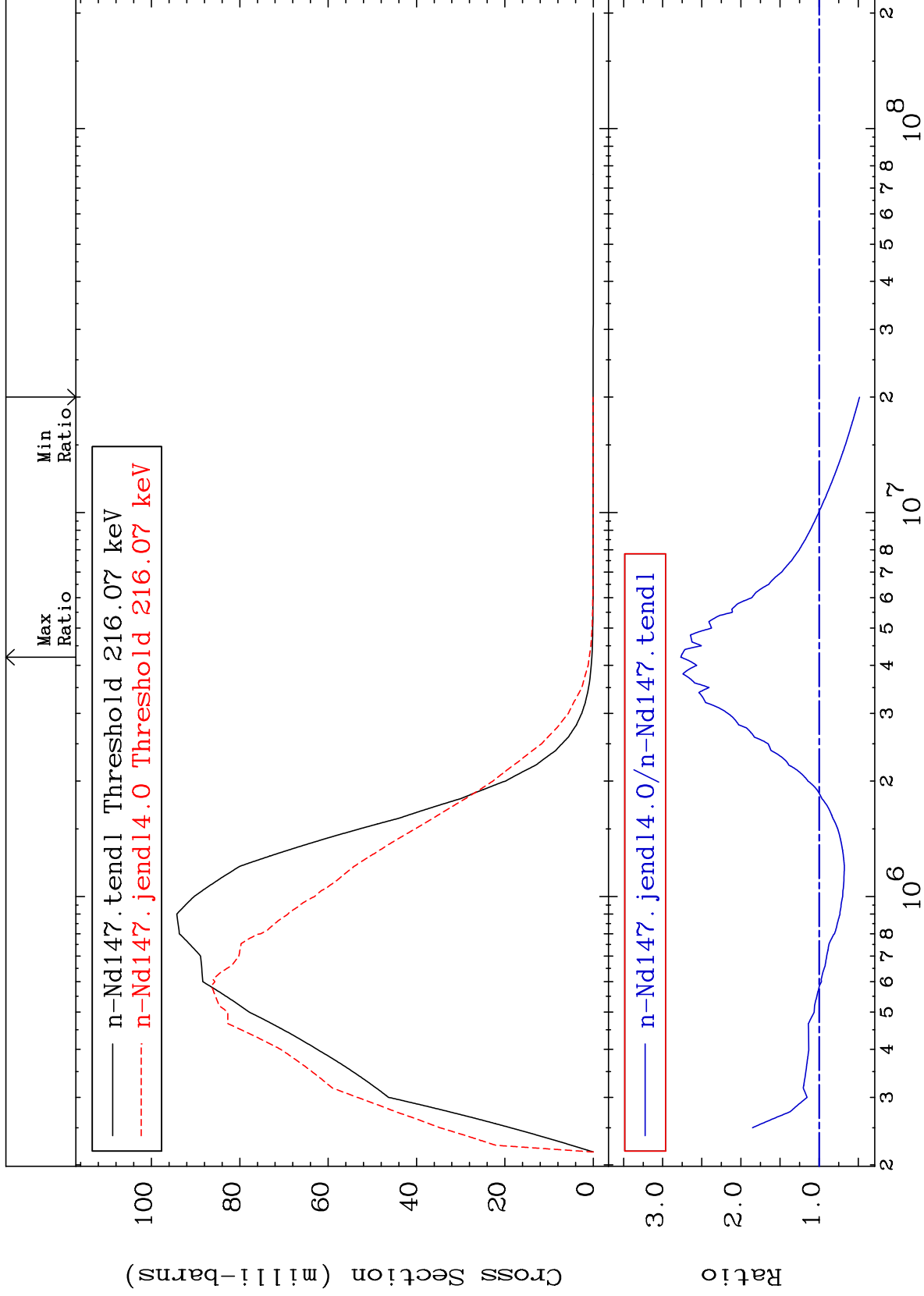
60-Nd-147



MAT 6040

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

60-Nd-147  
-51.73 To 176.9 %



17

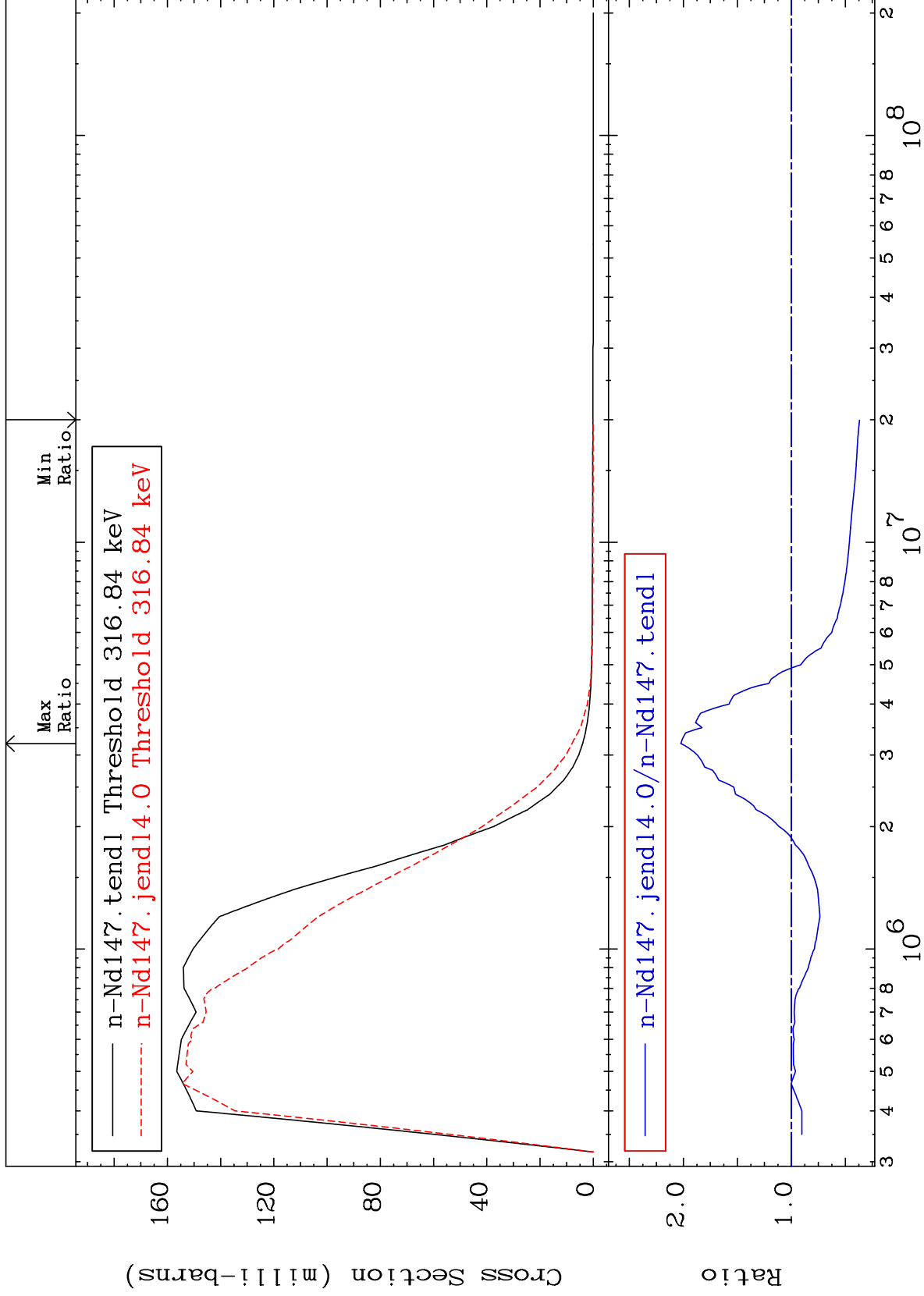
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-63.16 To 102.4 %



18

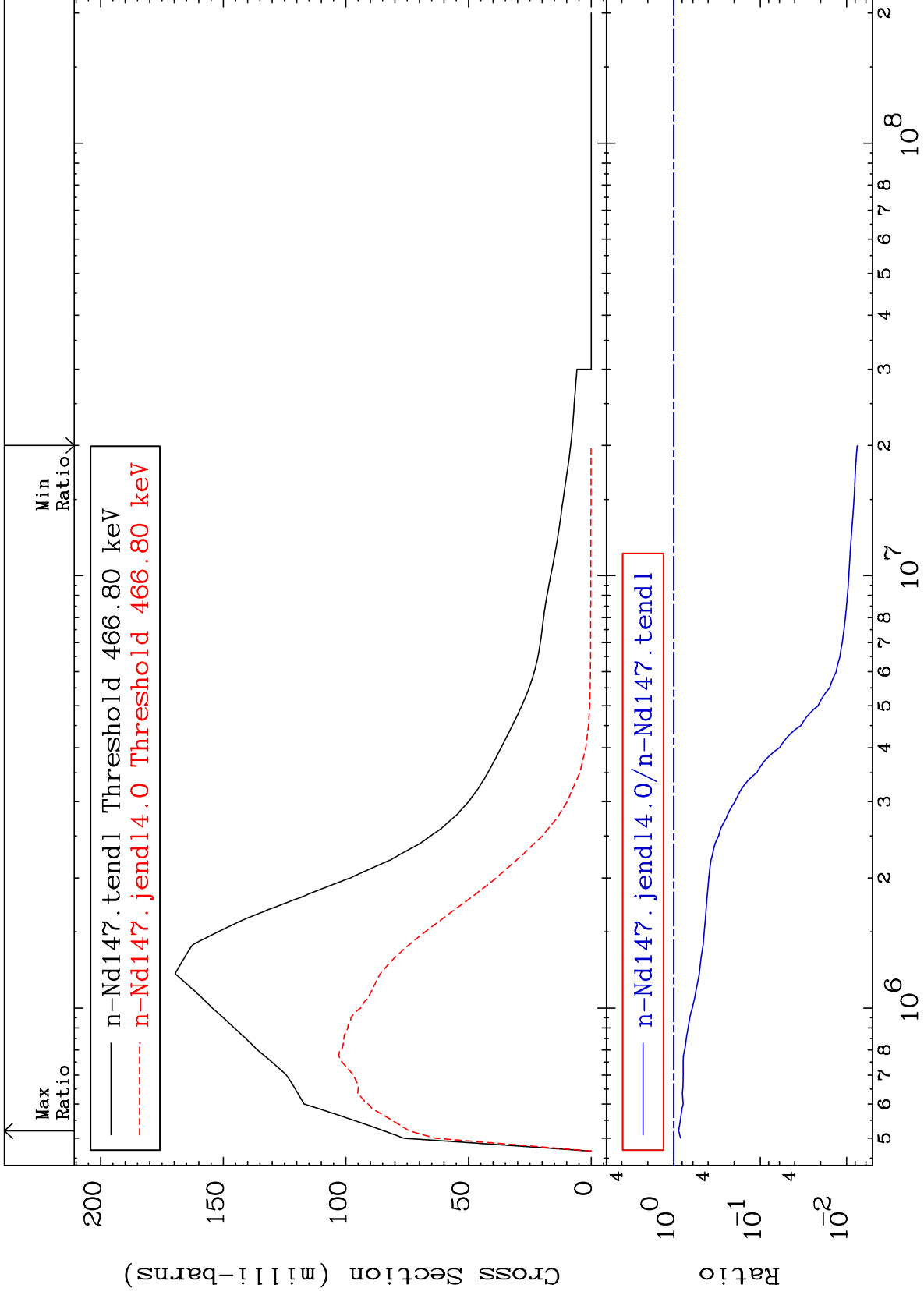
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-99.24 To -12.15%

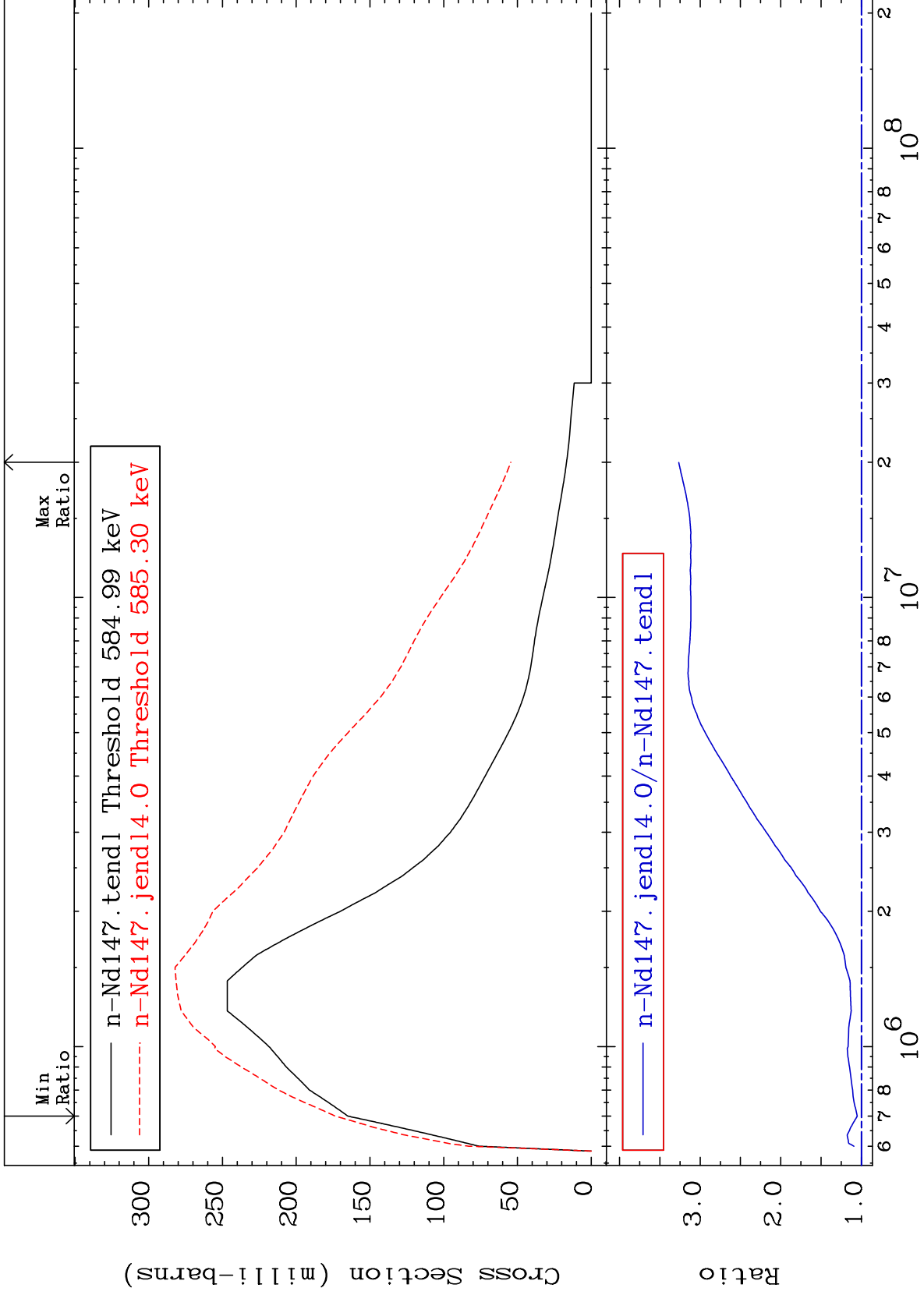




MAT 6040

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

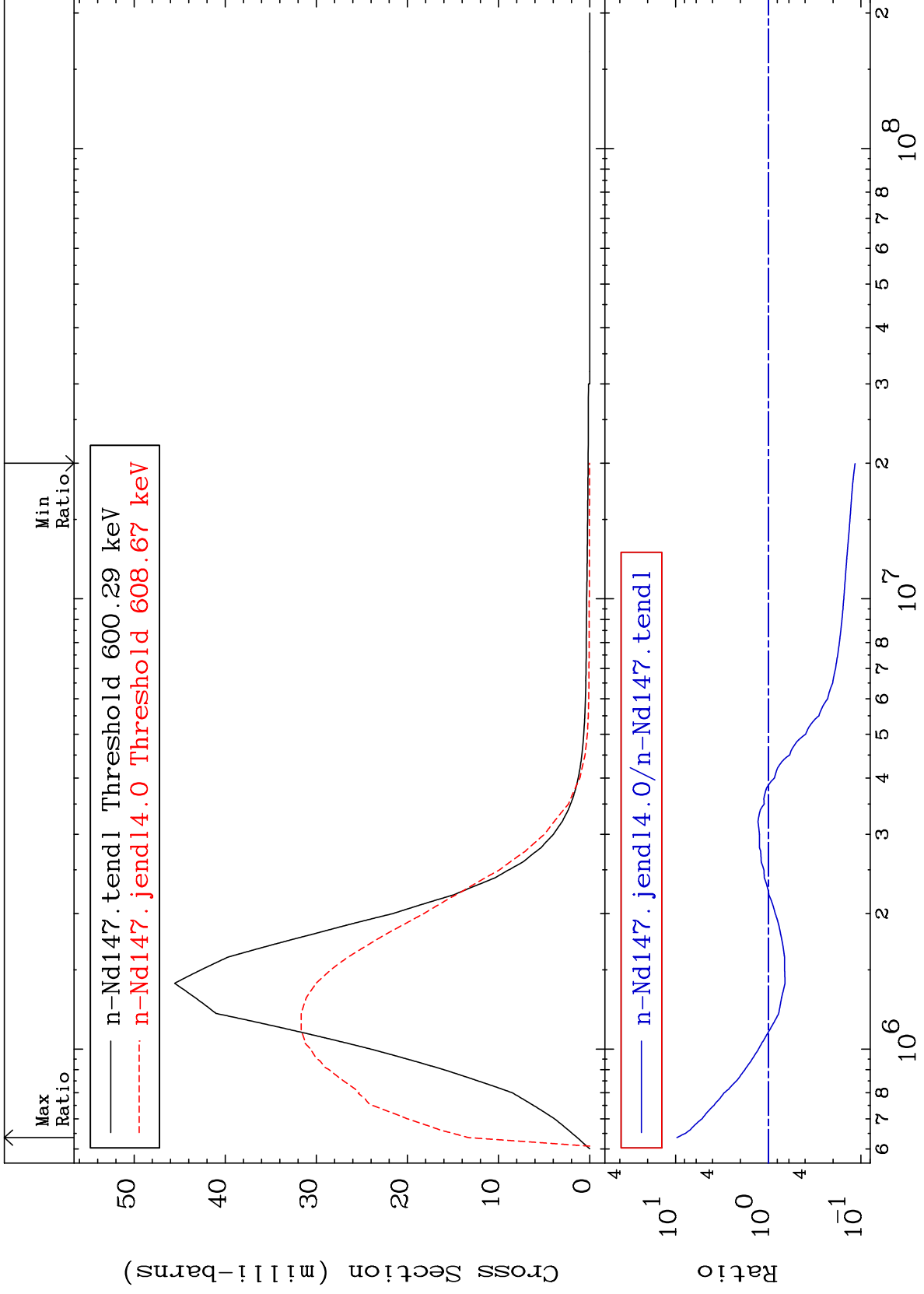
60-Nd-147  
5.140 To 226.7 %



MAT 6040

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

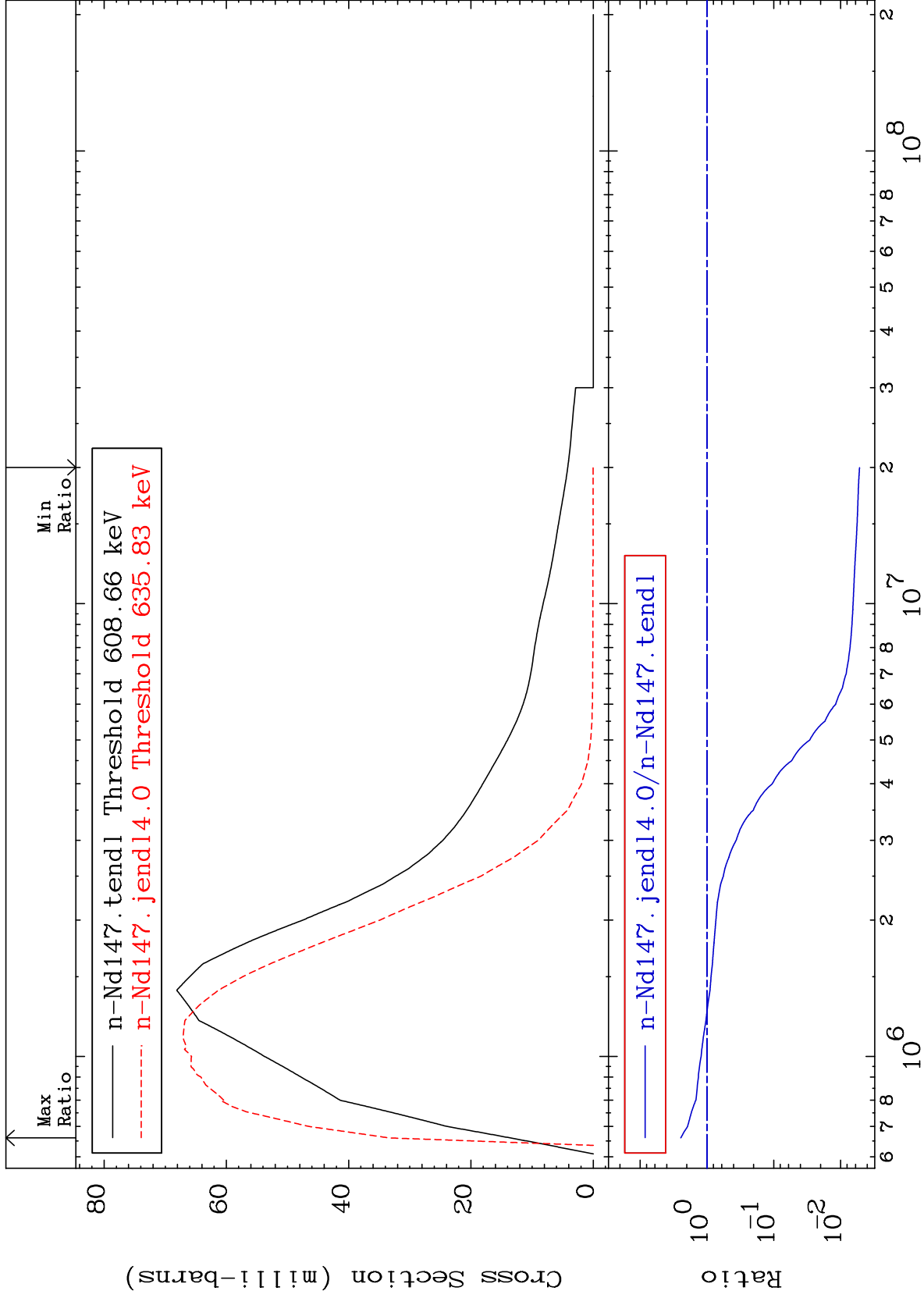
60-Nd-147  
-88.43 To 867.9 %



MAT 6040

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

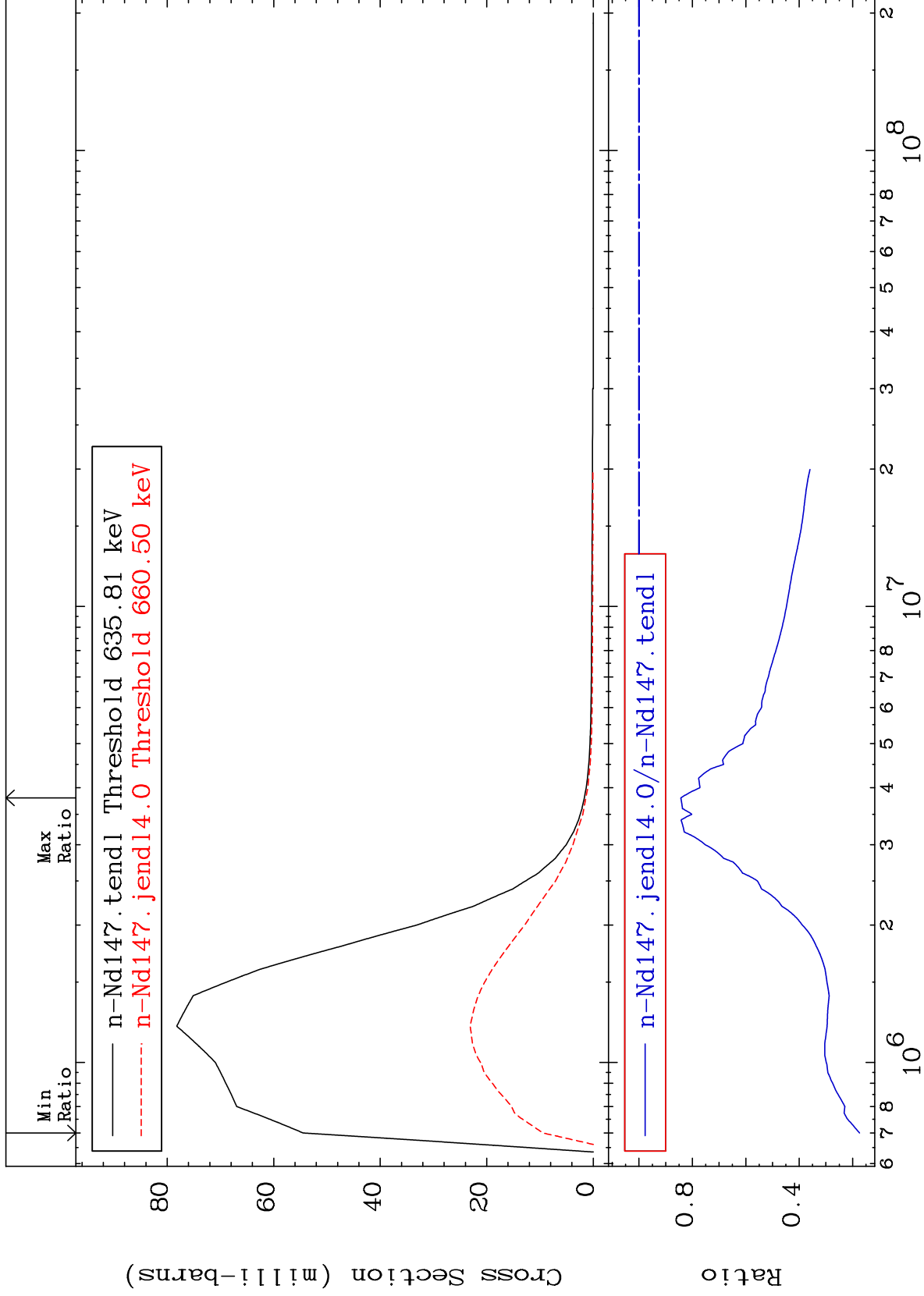
60-Nd-147  
-99.48 To 146.3 %



MAT 6040

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

60-Nd-147  
-82.60 To -15.66%

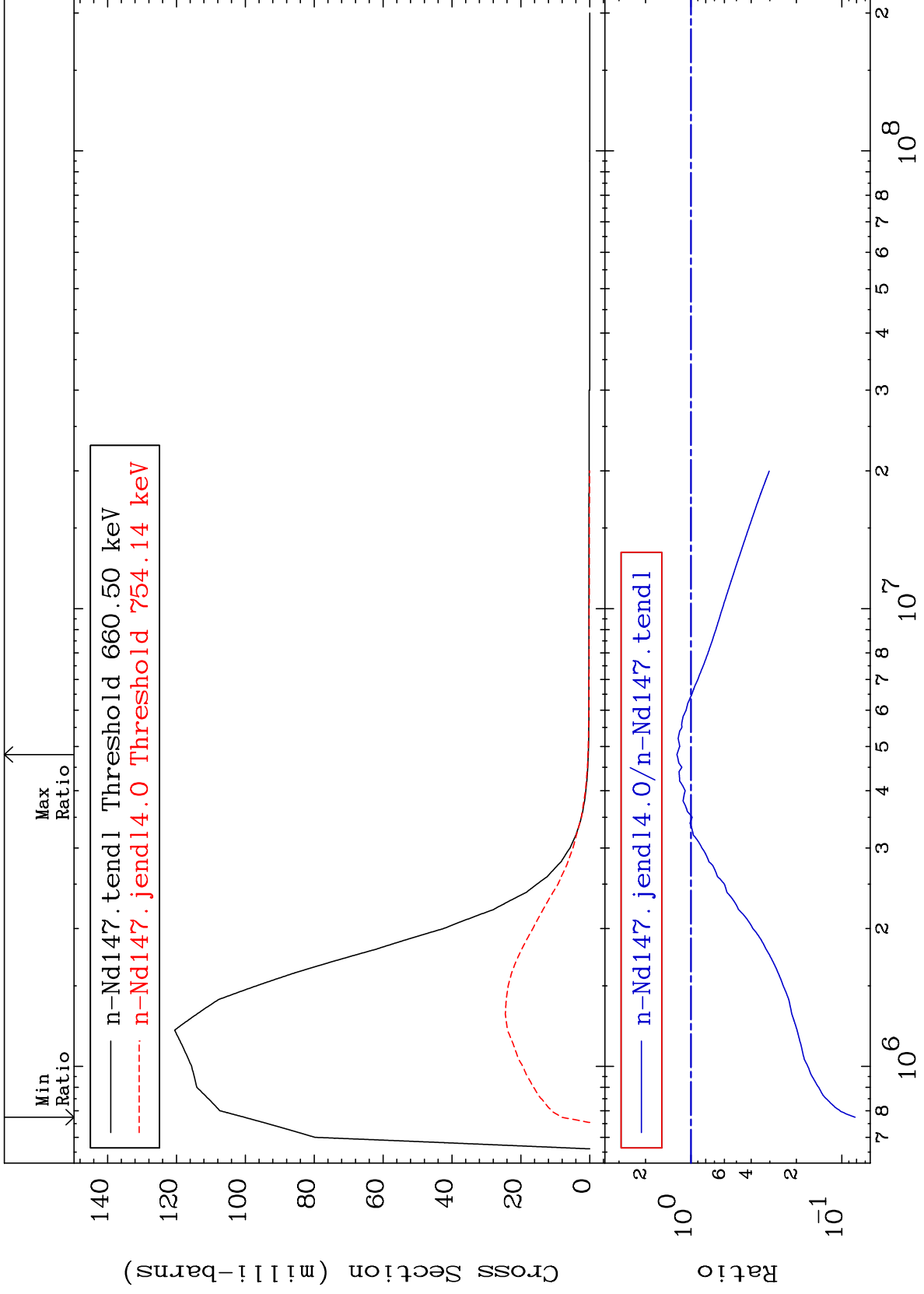




MAT 6040

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

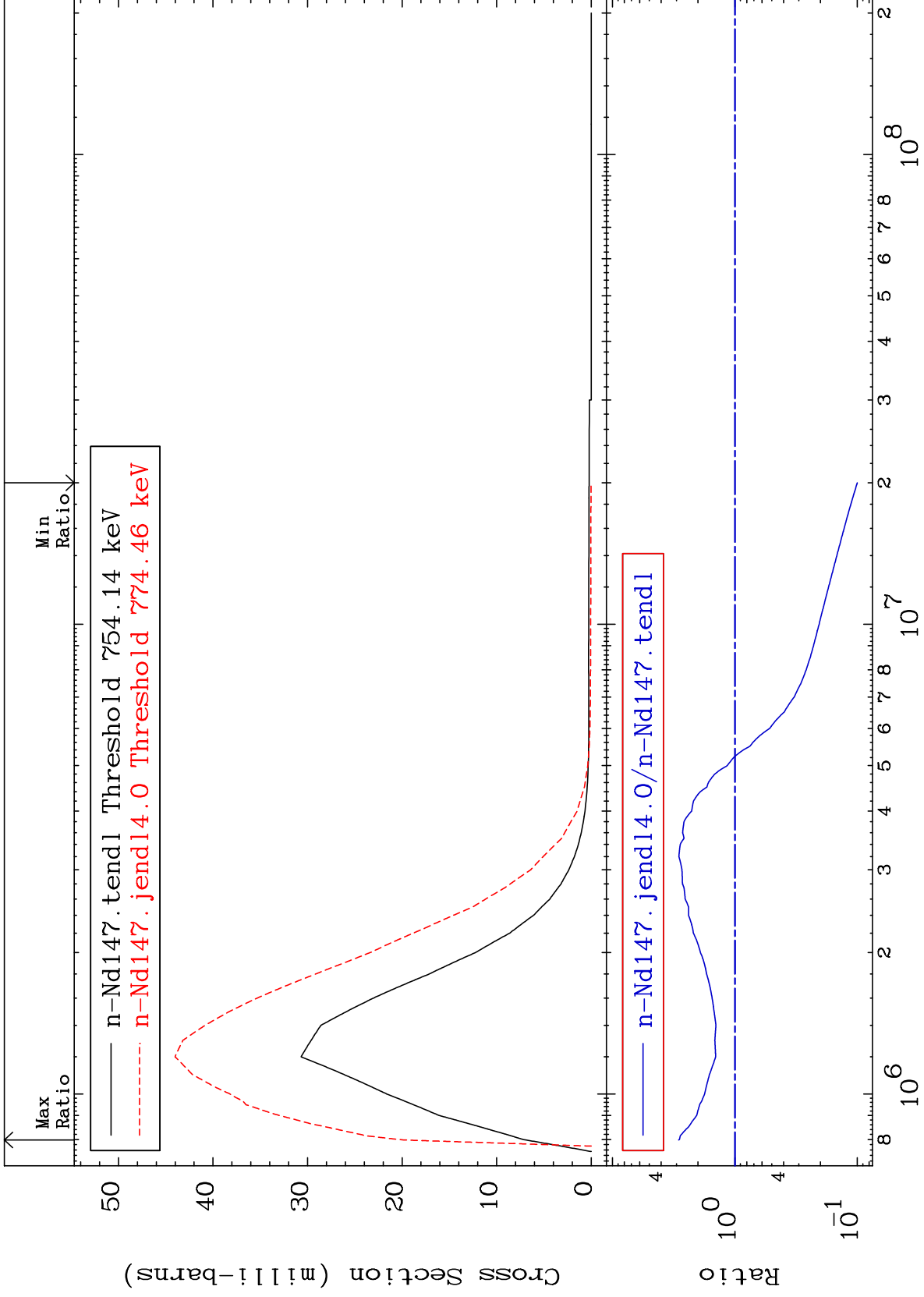
60-Nd-147  
-91.83 To 23.99 %



MAT 6040

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

60-Nd-147  
-90.01 To 188.1 %



26

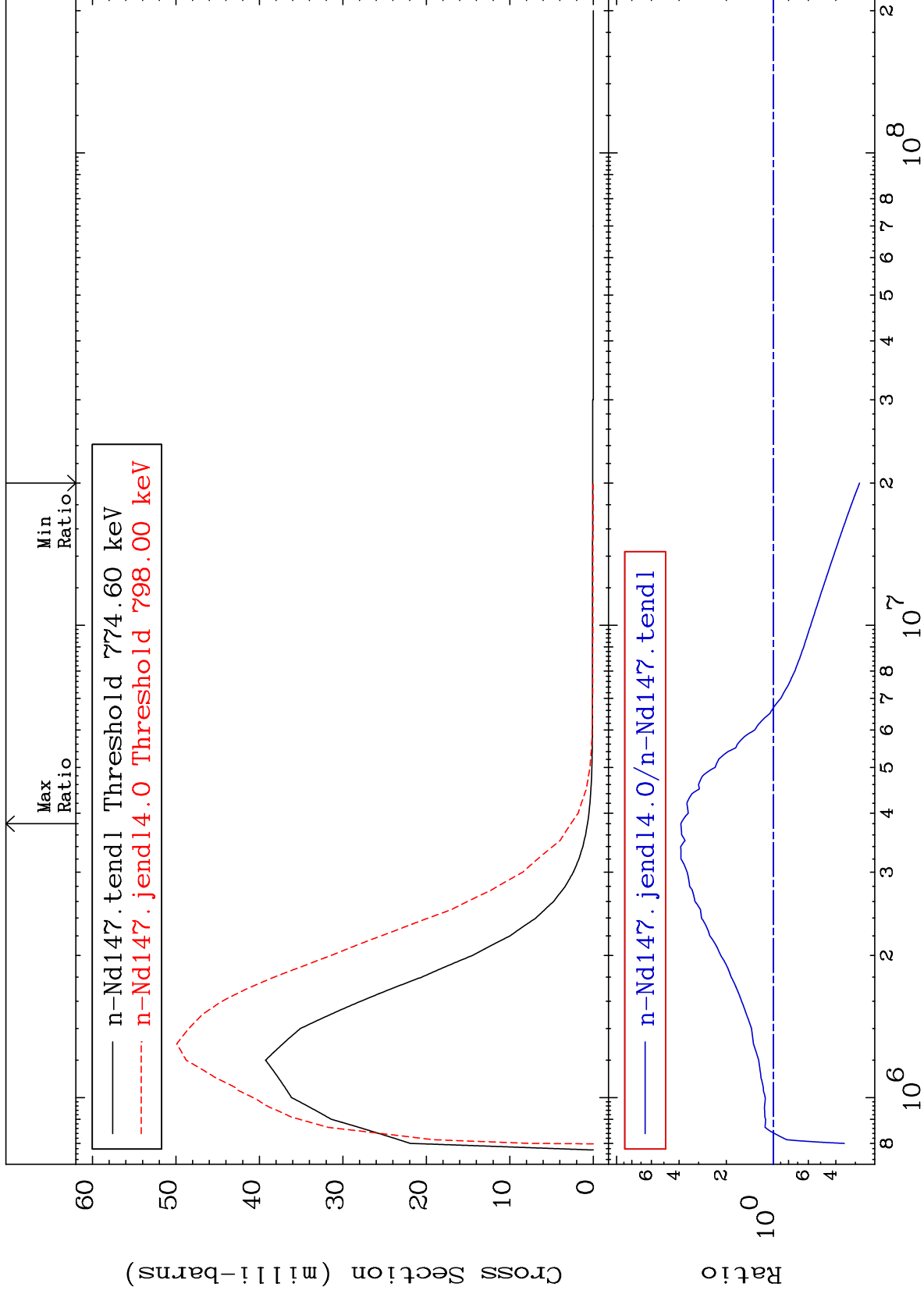
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-71.76 To 290.1 %



27

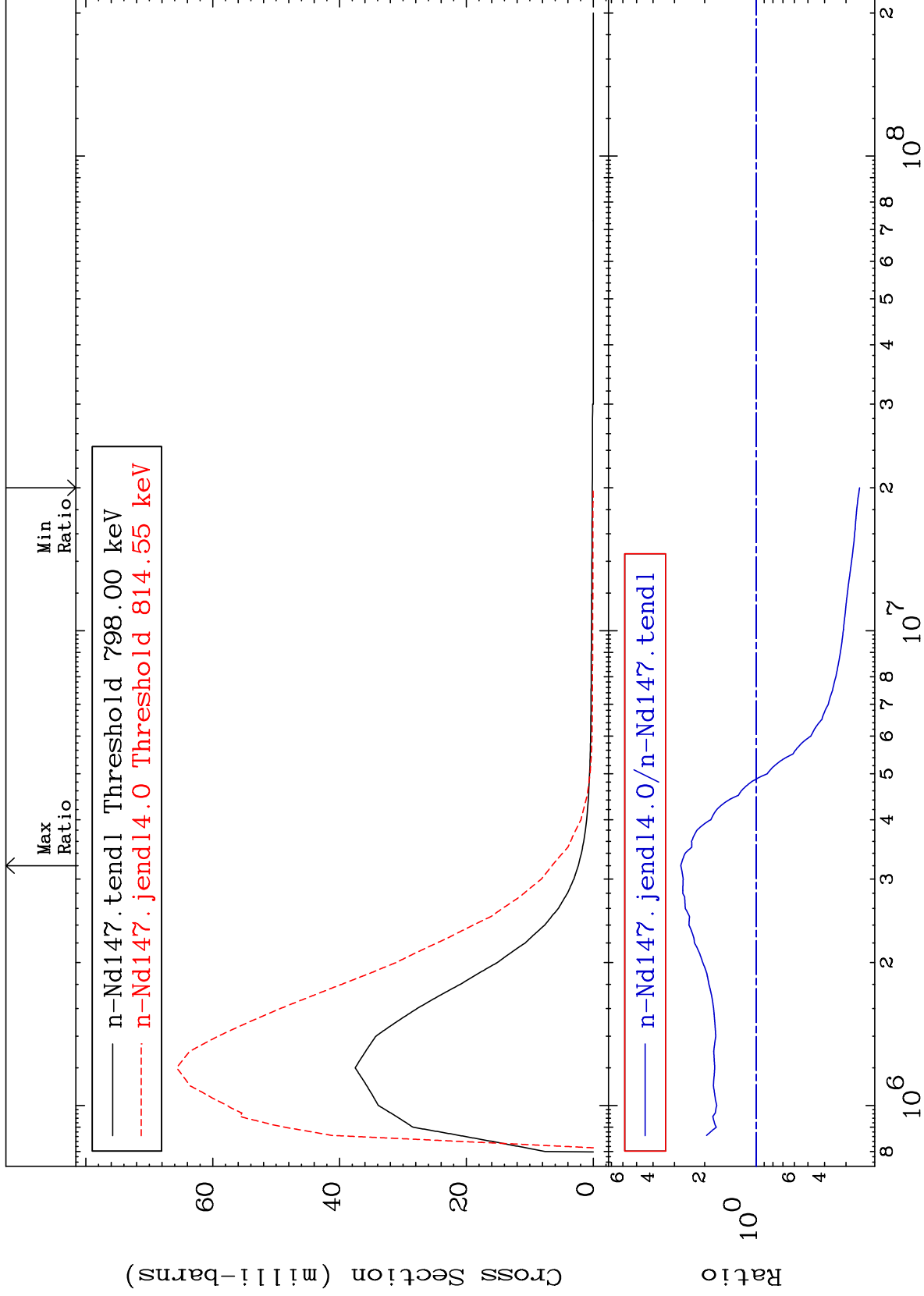
Incident Energy (eV)

60-Nd-147

MAT 6040

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

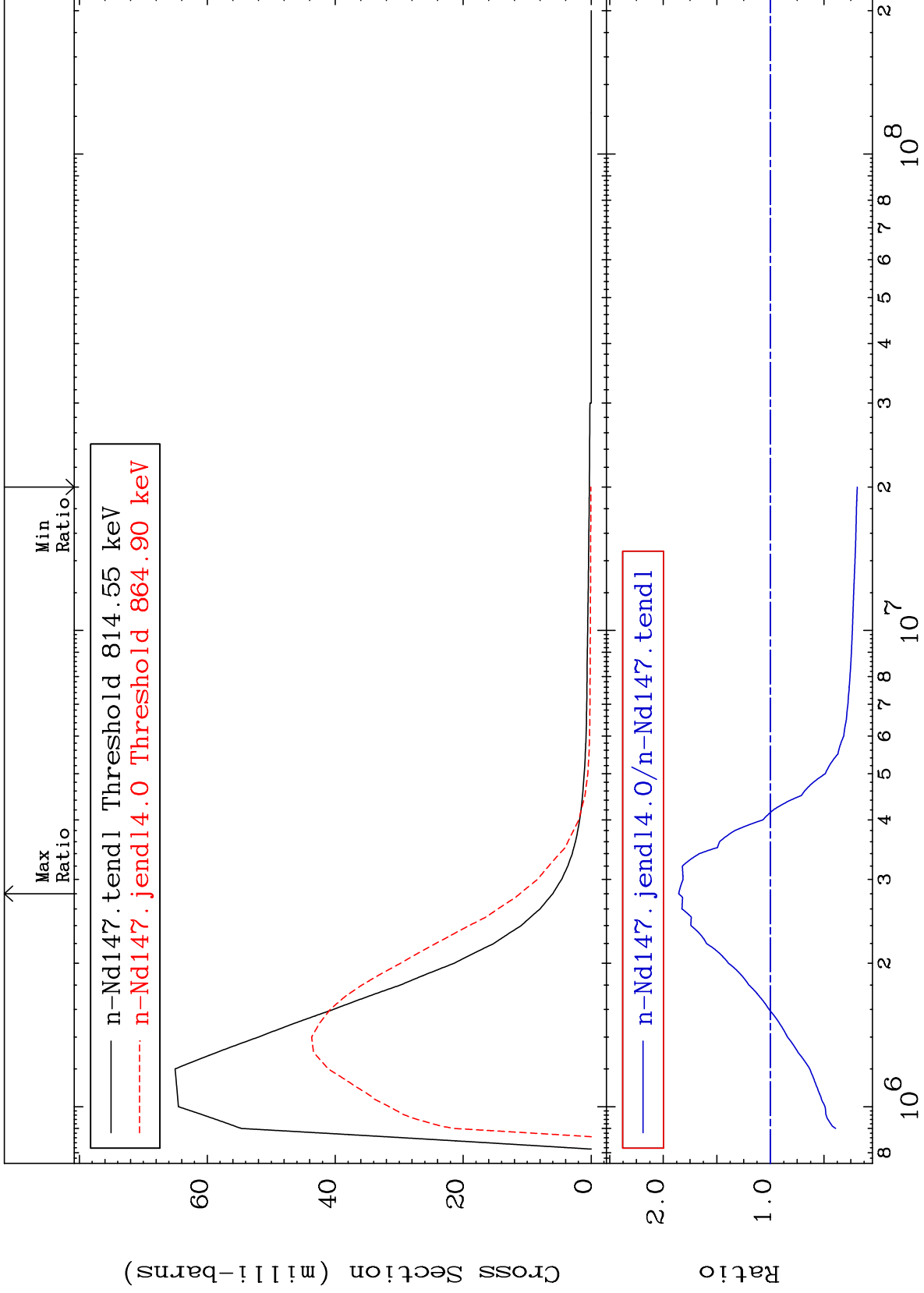
60-Nd-147  
-75.00 To 175.9 %



MAT 6040

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

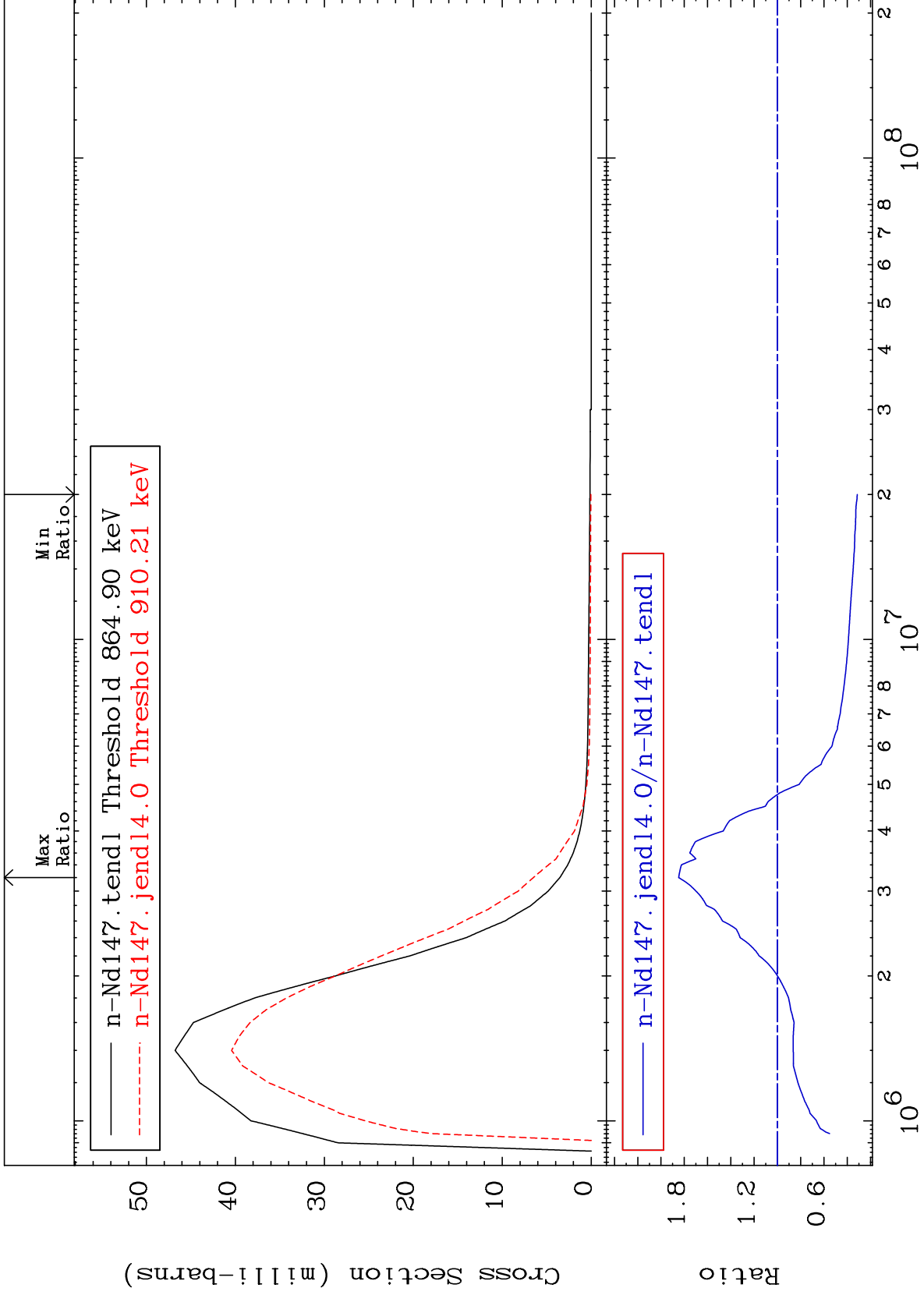
60-Nd-147  
-81.08 To 85.63 %



MAT 6040

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

60-Nd-147  
-68.54 To 84.86 %



30

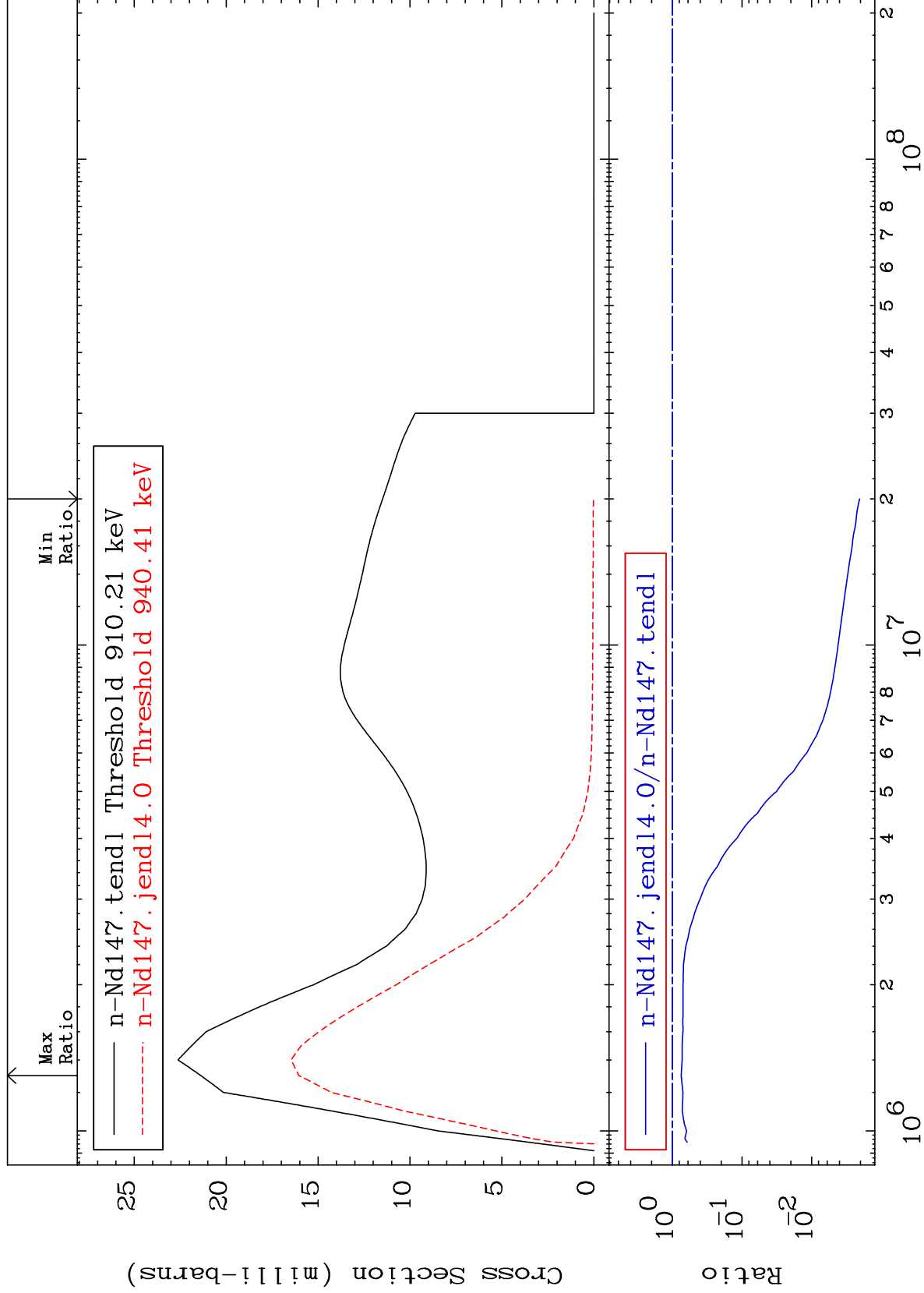
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-99.79 To -24.95%



31

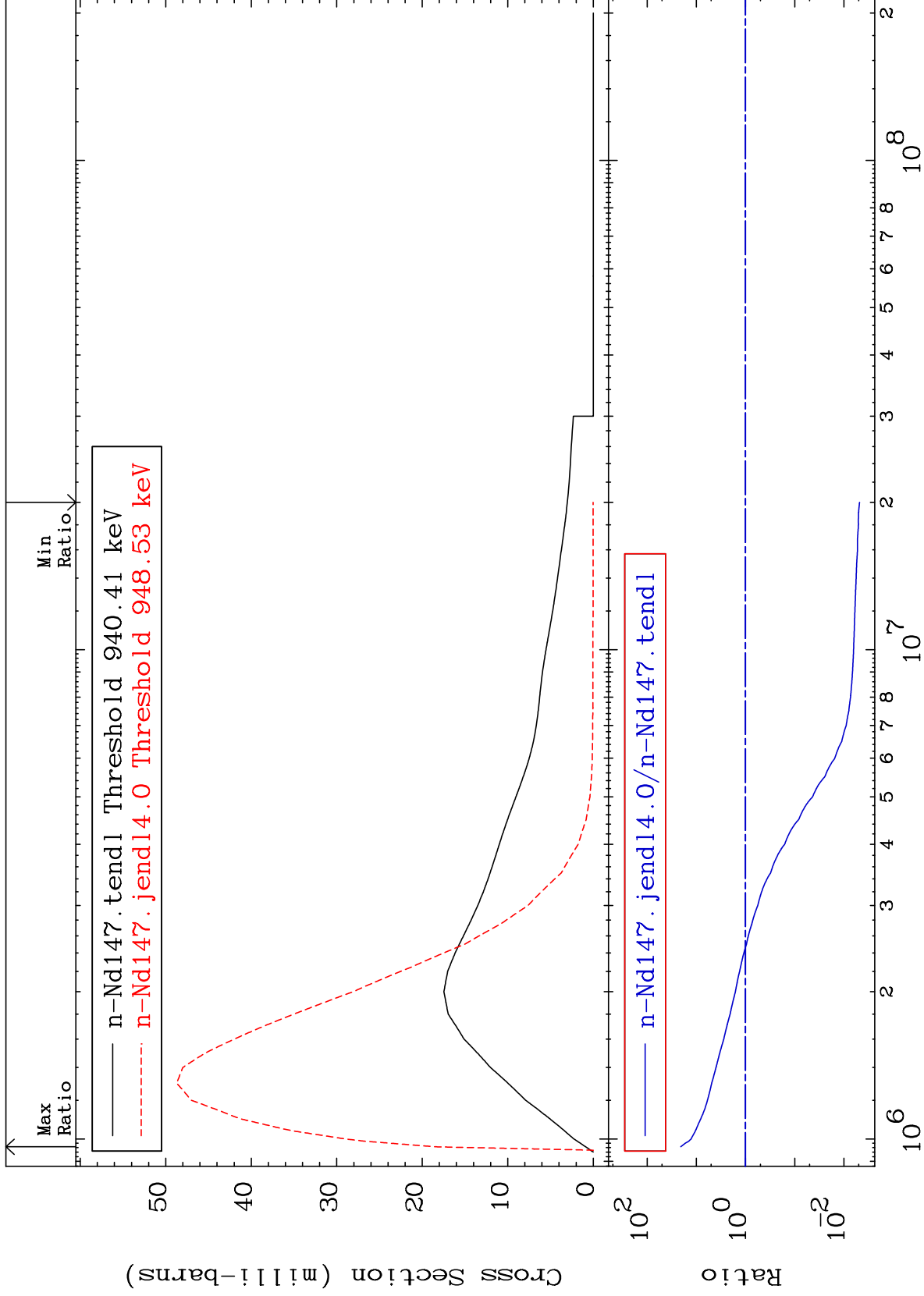
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-99.52 To 1975. %



32

Incident Energy (eV)

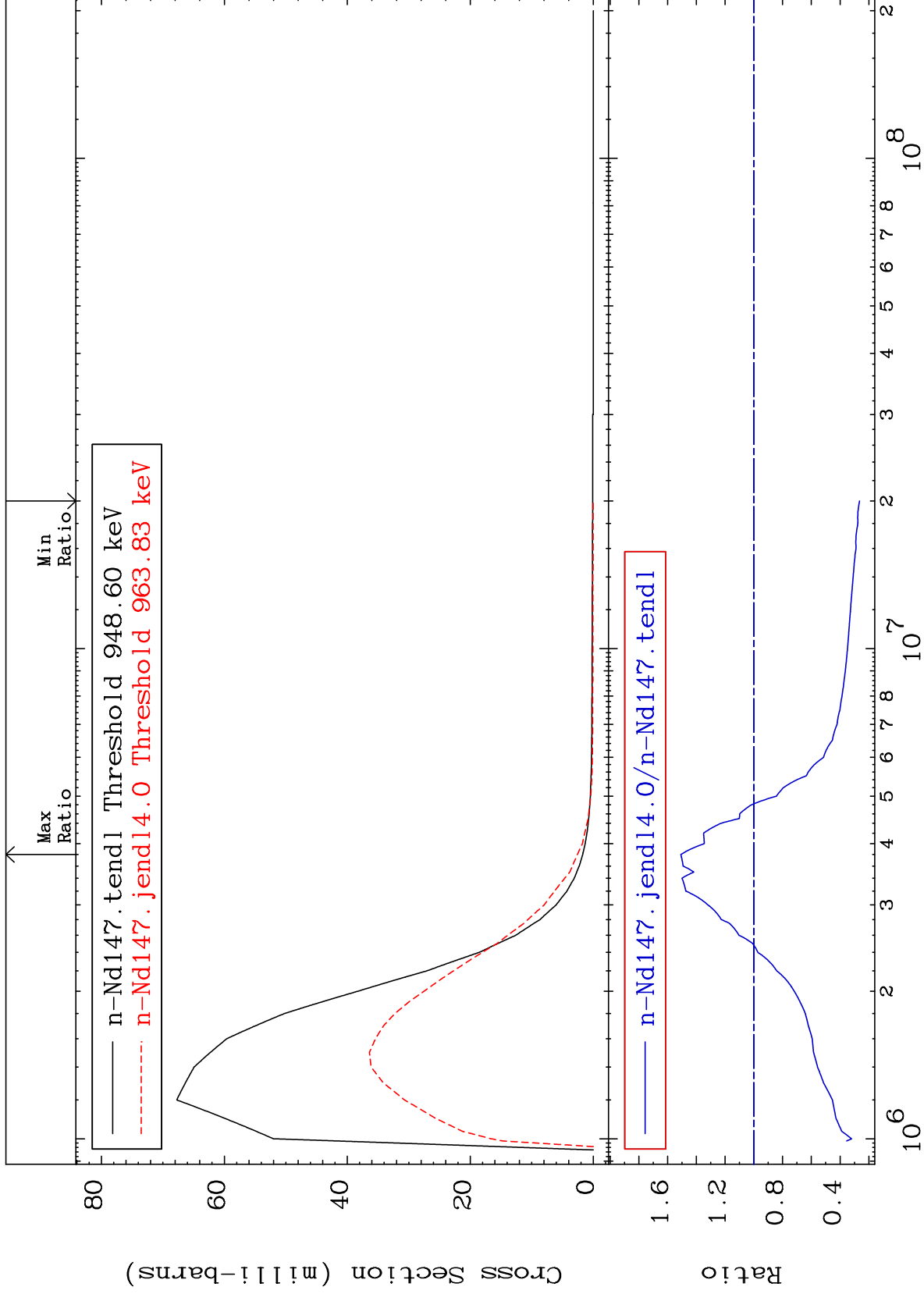
60-Nd-147



MAT 6040

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

60-Nd-147  
-73.54 To 50.84 %



33

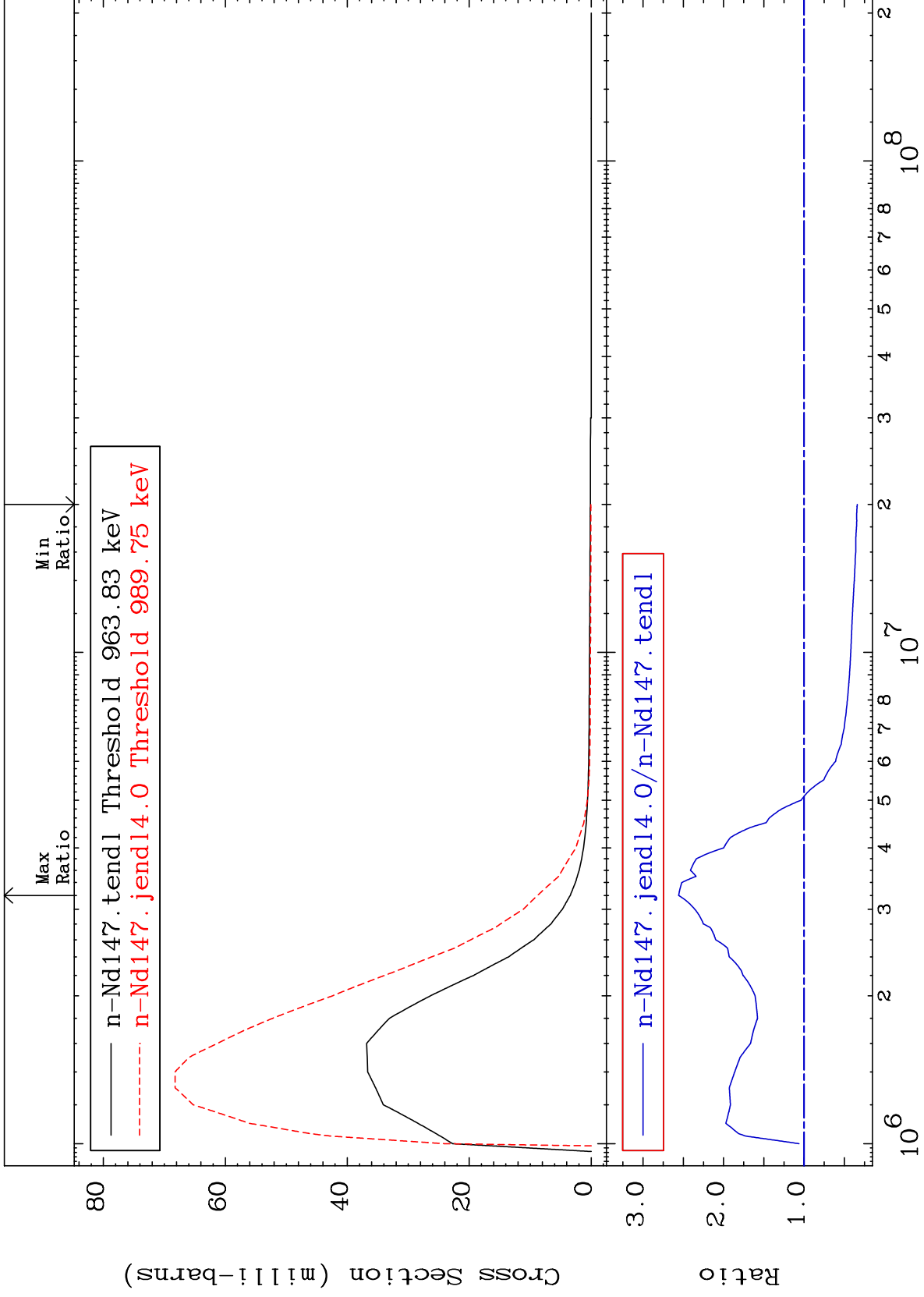
Incident Energy (eV)

60-Nd-147

MAT 6040

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

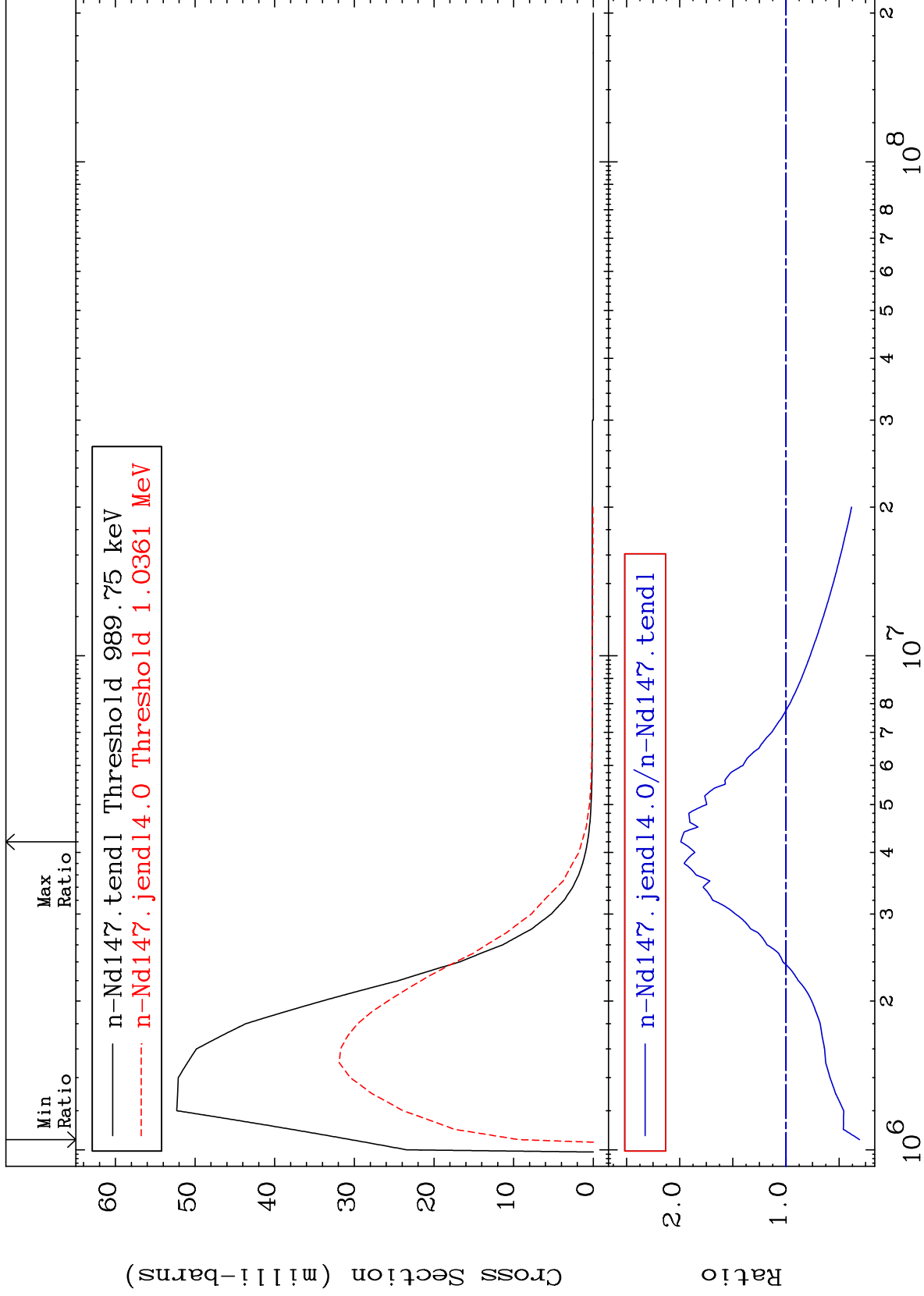
60-Nd-147  
-65.99 To 155.8 %



MAT 6040

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

60-Nd-147  
-69.24 To 98.98 %



35

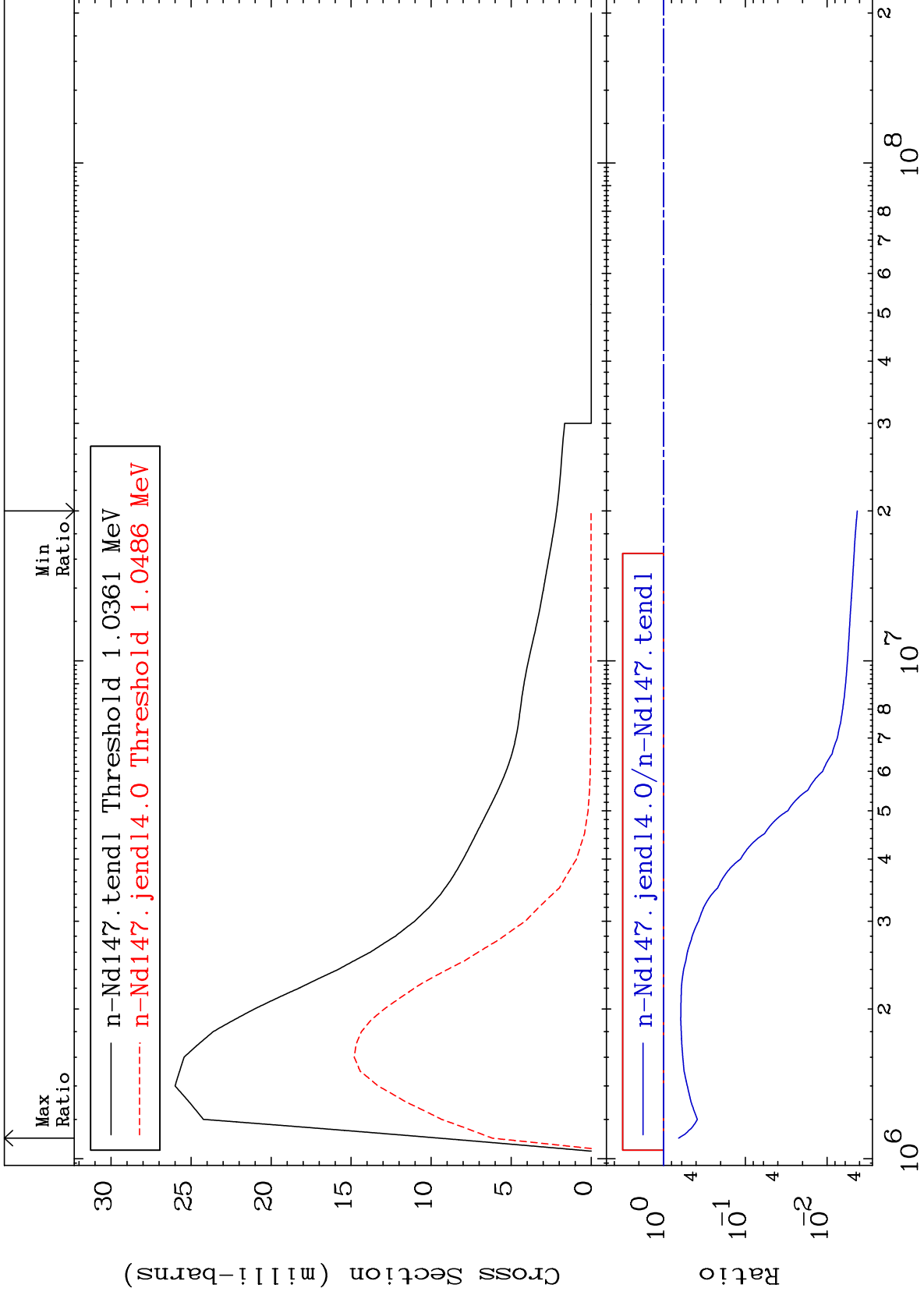
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-99.57 To -34.63%



36

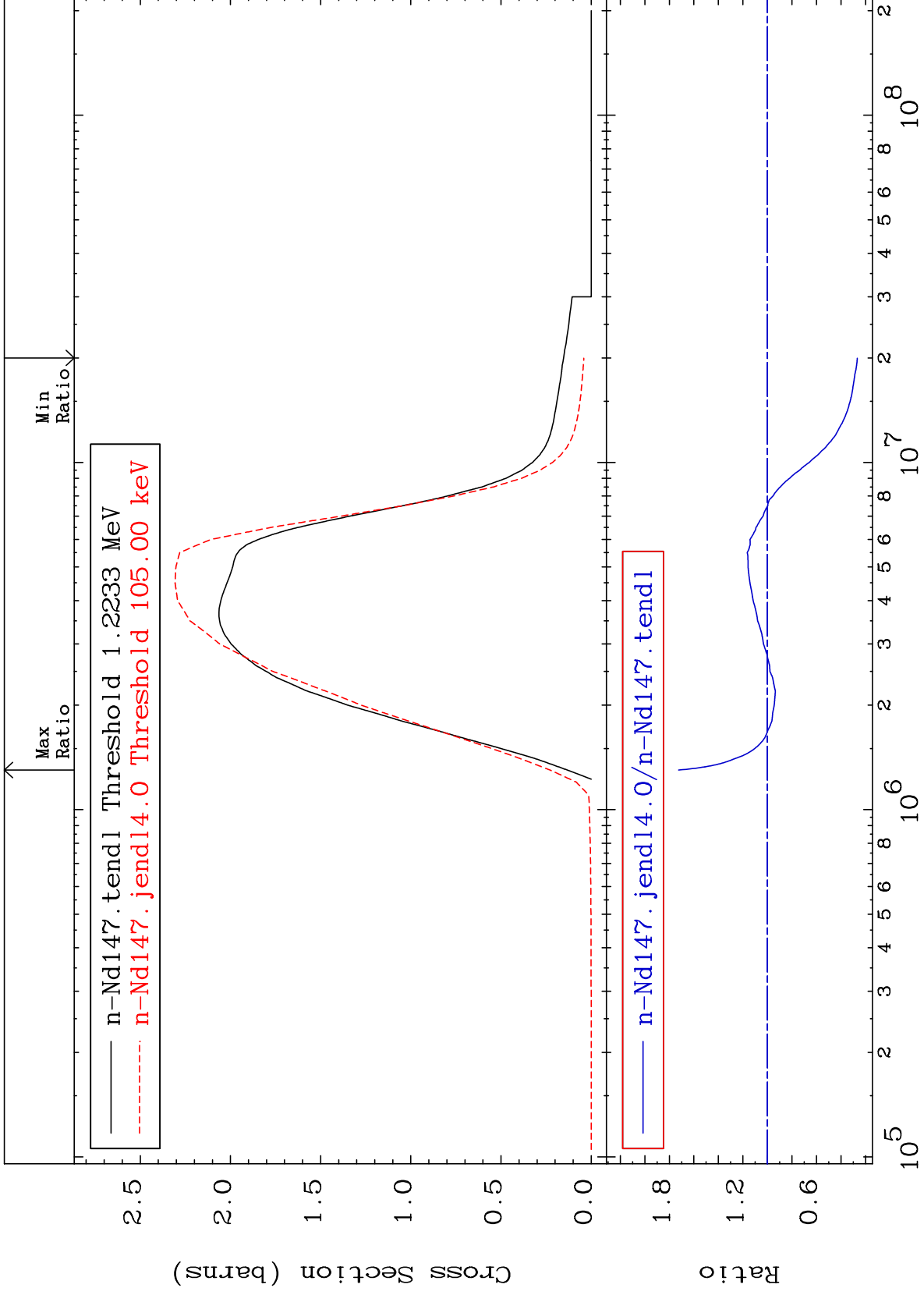
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') Continuum  
Cross Section

60-Nd-147  
-73.28 To 72.43 %



37

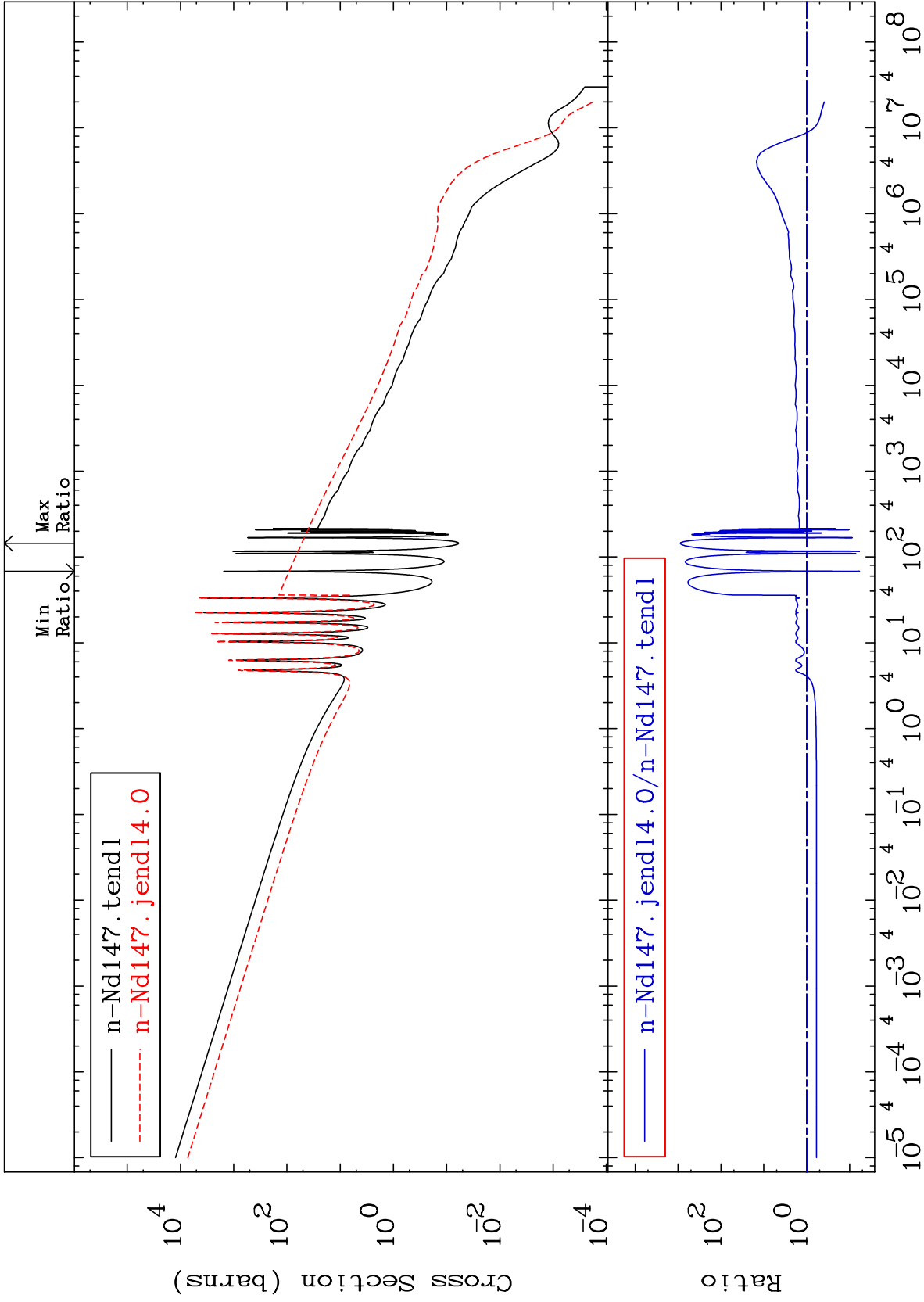
Incident Energy (eV)

60-Nd-147

MAT 6040

(n,  $\gamma$ )  
Cross Section

60-Nd-147  
-94.12 To 9999. %



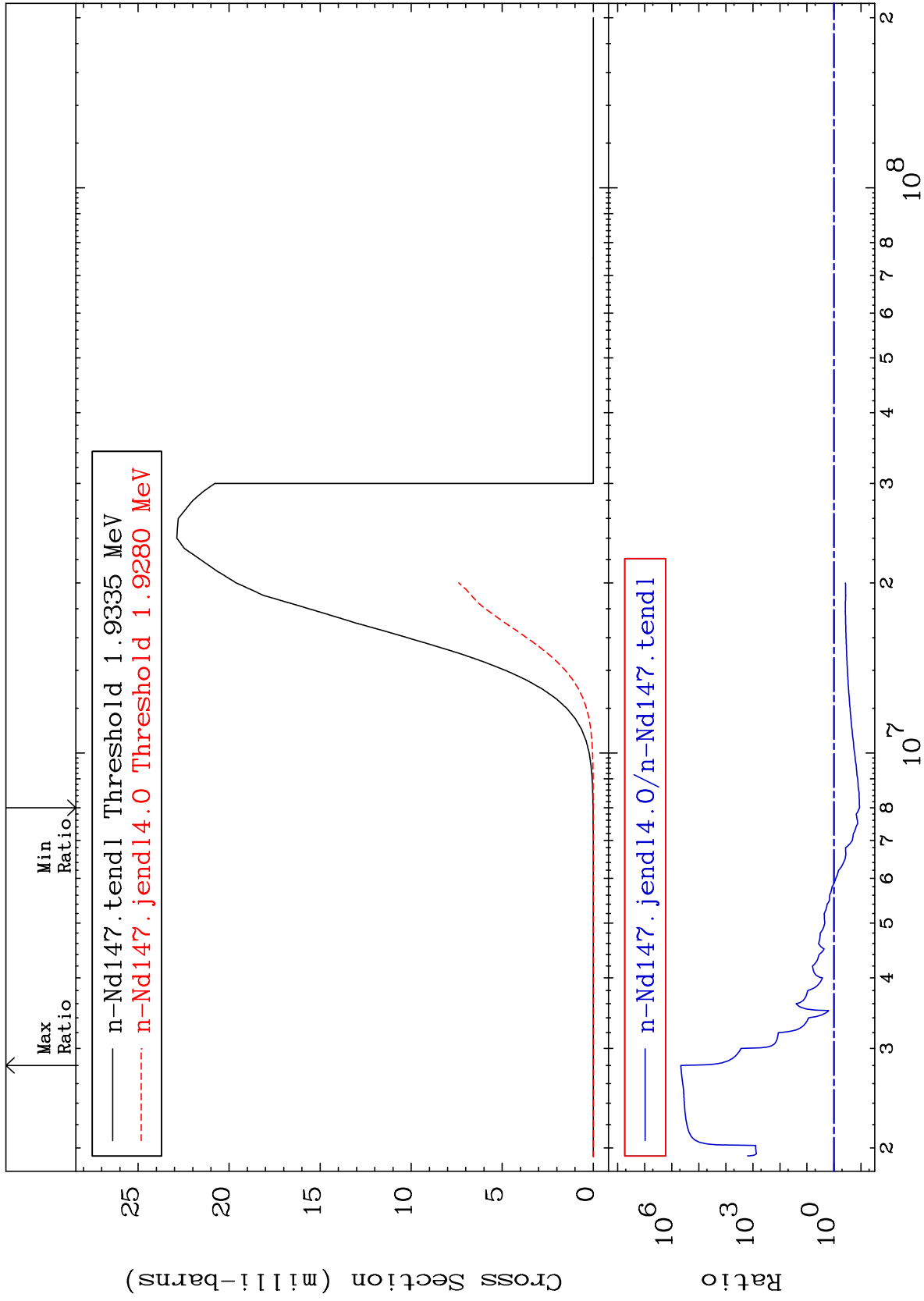
MAT 6040

(n,p)

60-Nd-147

Cross Section

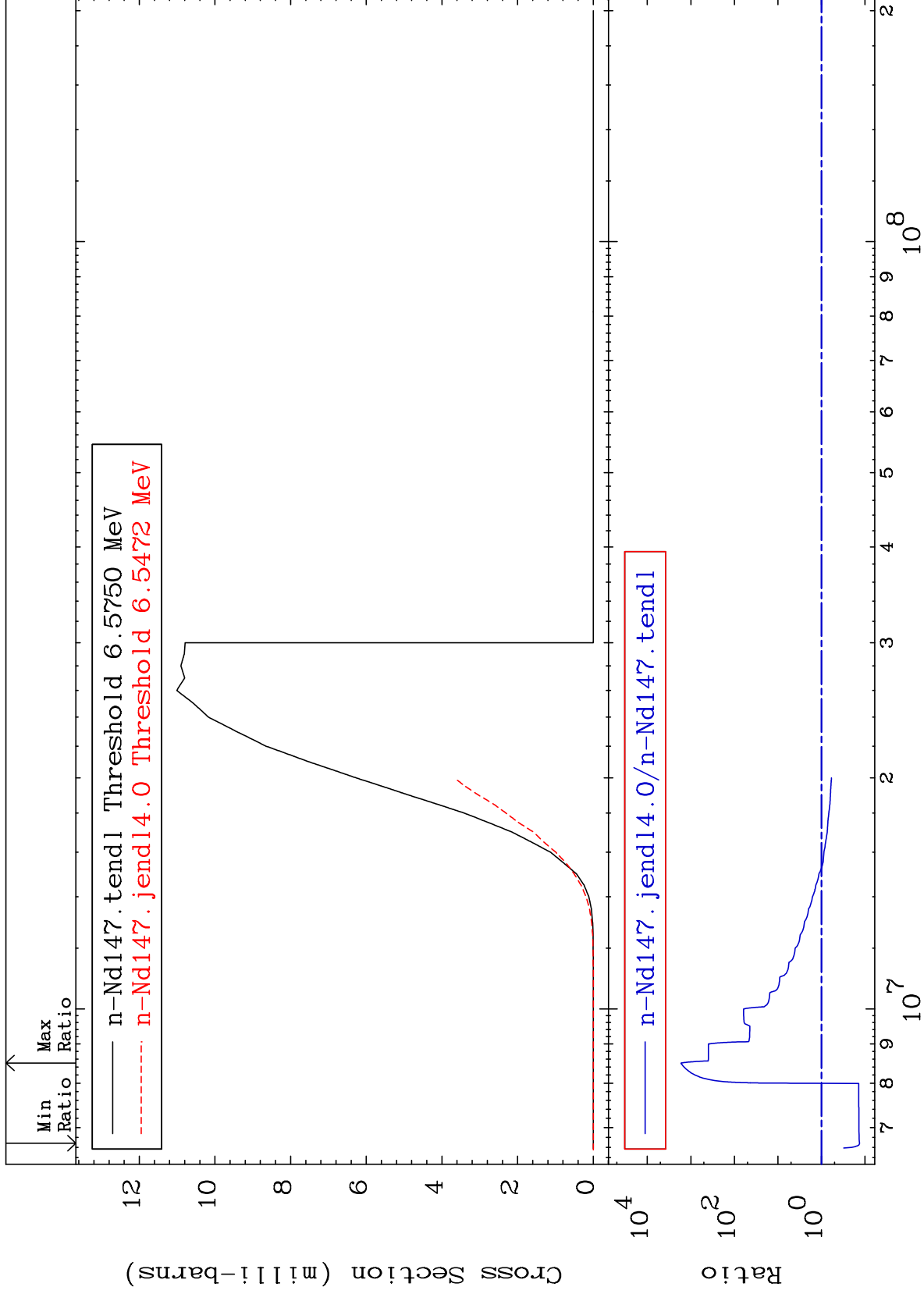
-88.63 To 9999. %



MAT 6040

(n, d)  
Cross Section

60-Nd-147  
-86.72 To 9999. %



40

Incident Energy (eV)

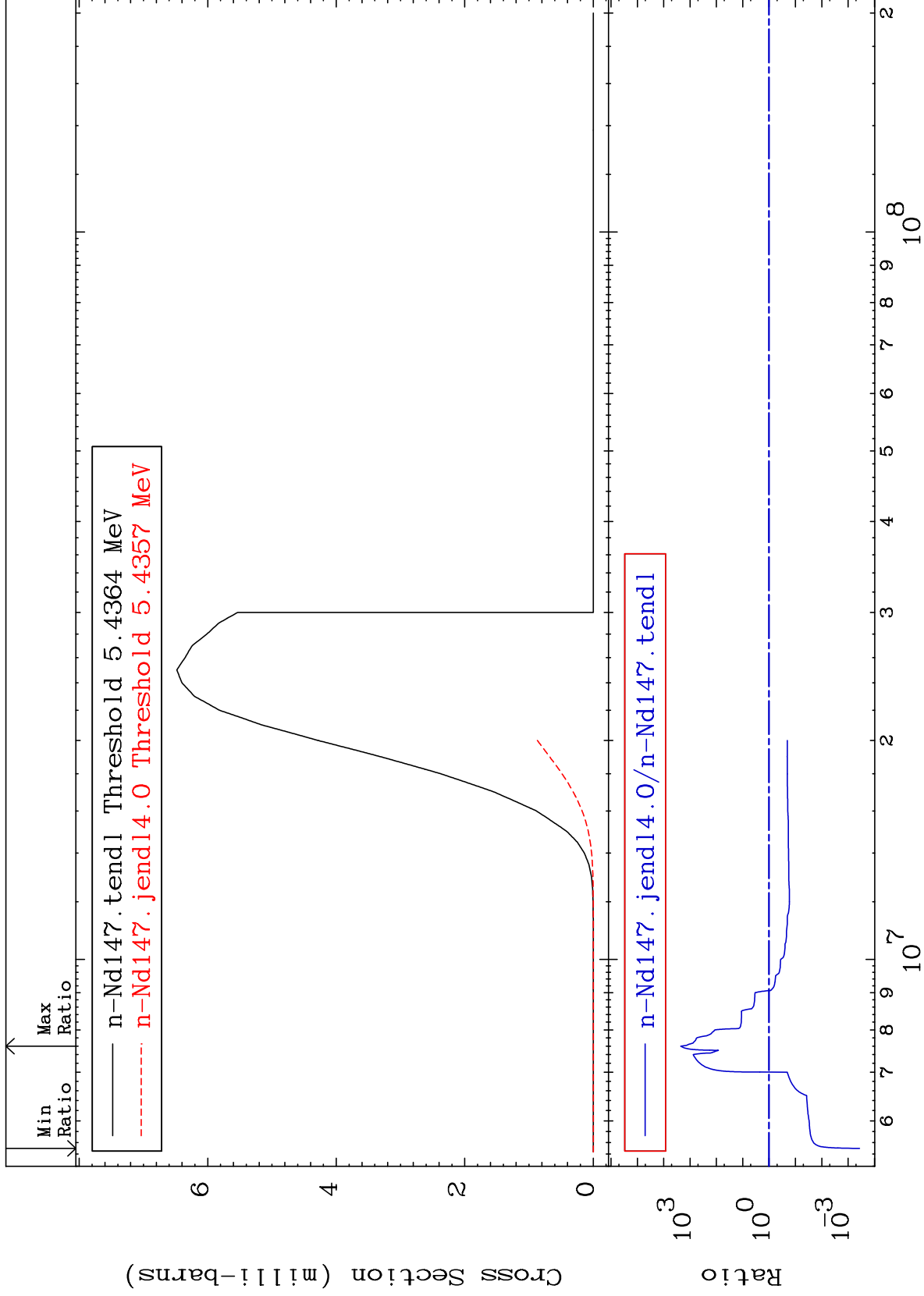
60-Nd-147



MAT 6040

(n, t)  
Cross Section

60-Nd-147  
-99.96 To 9999. %



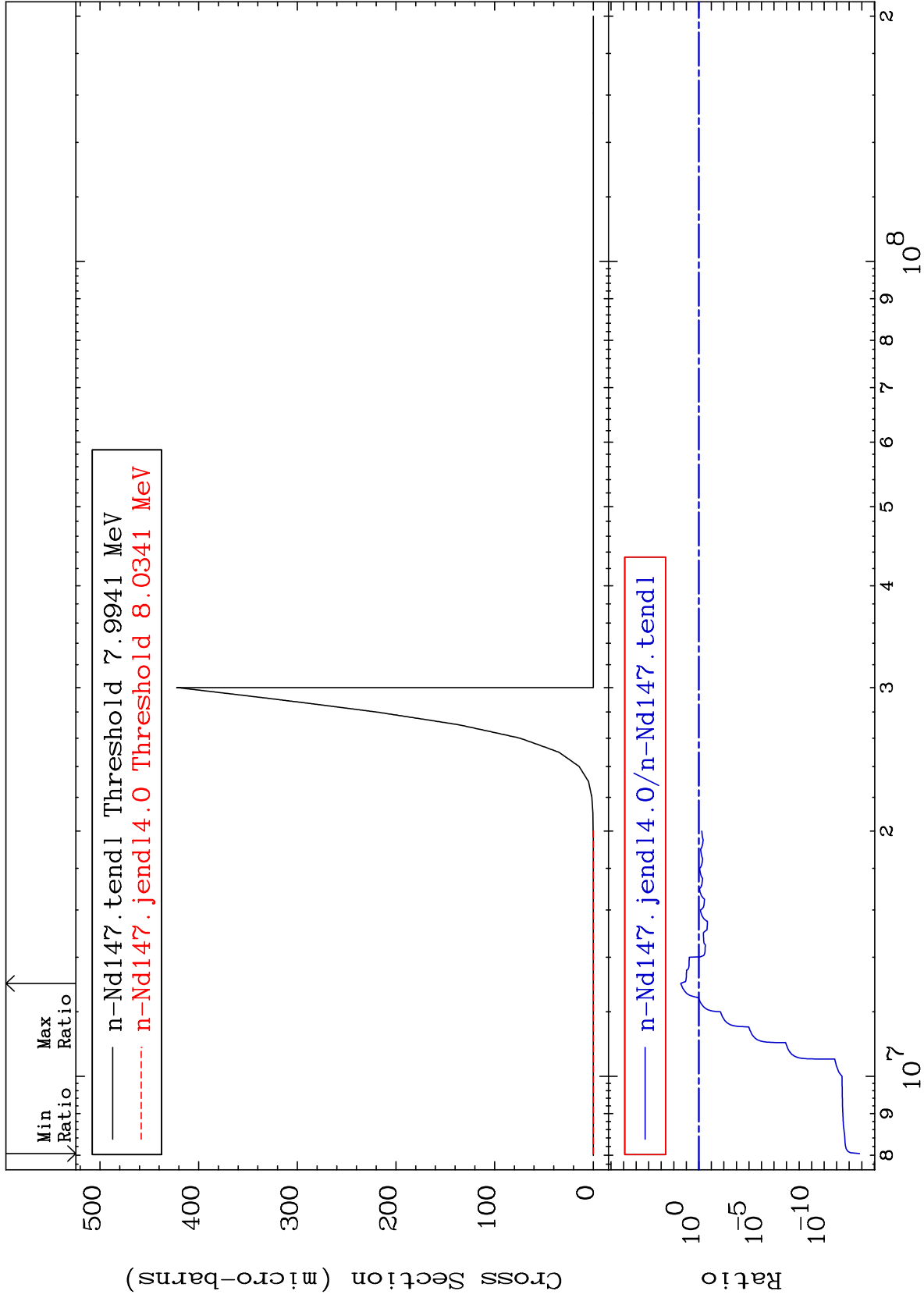
MAT 6040

(n, He-3)

60-Nd-147

Cross Section

-100.0 To 2657. %



42

60-Nd-147

60-Nd-147

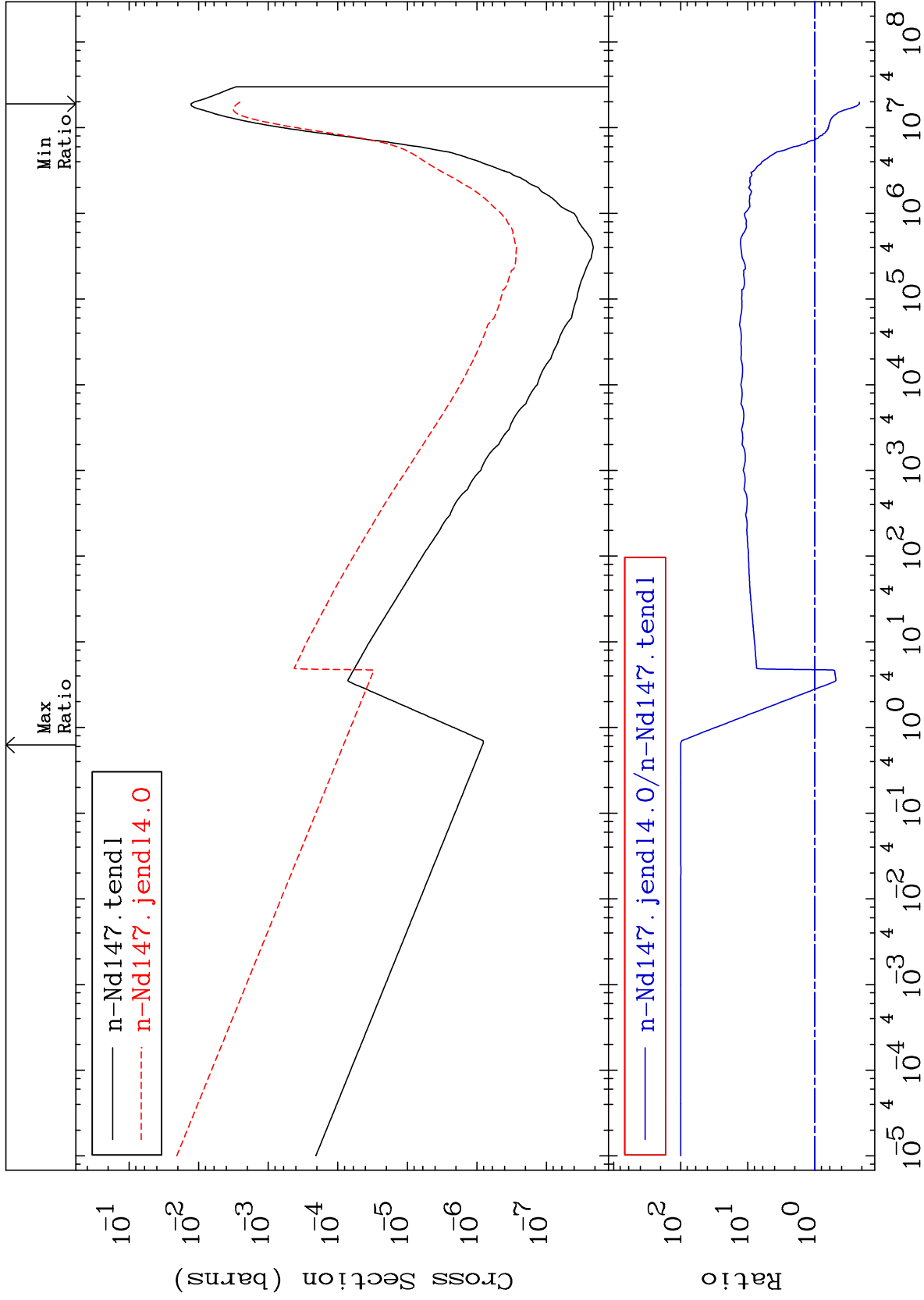
MAT 6040

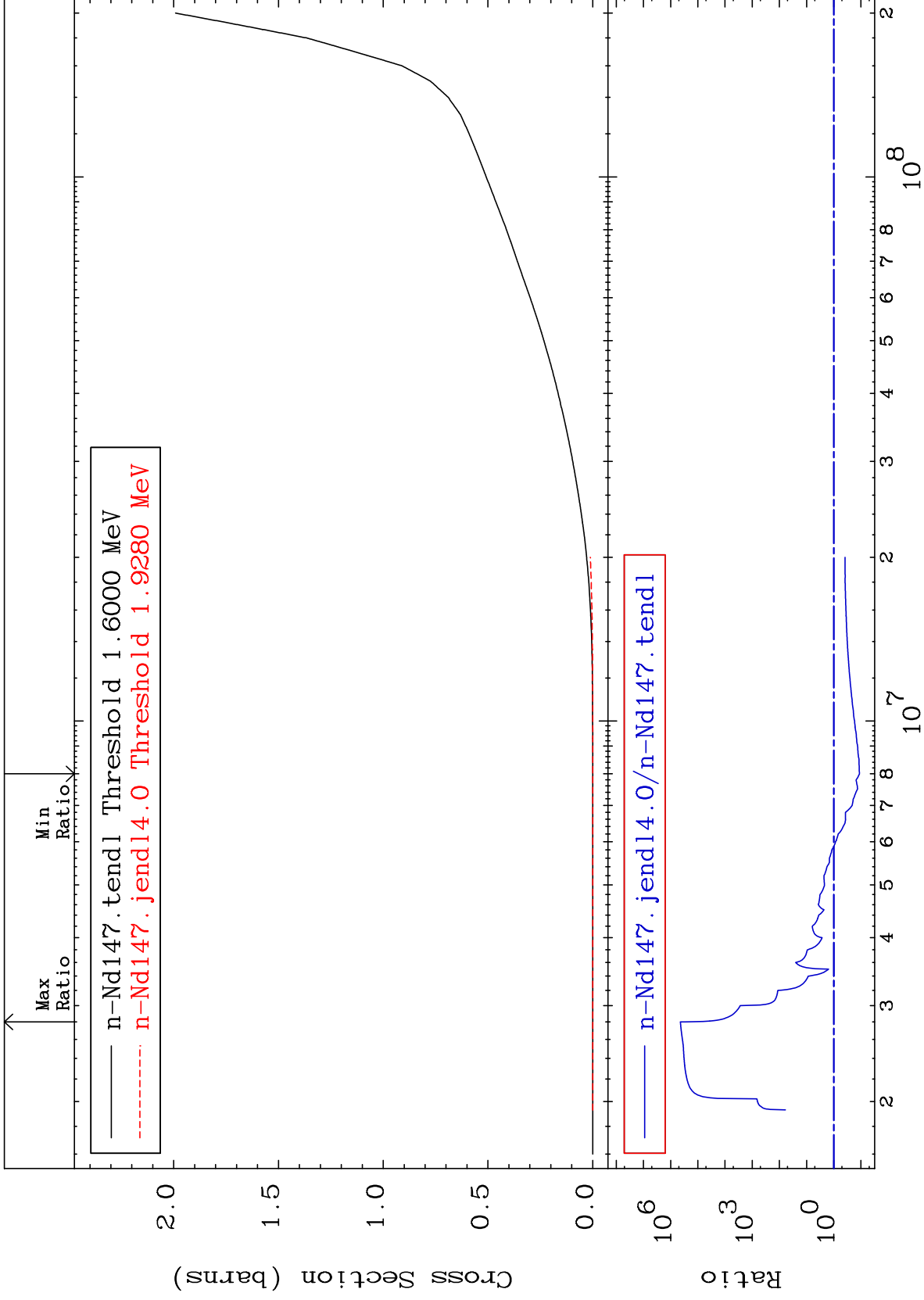
(n,  $\alpha$ )

60-Nd-147

Cross Section

-78.42 To 9901. %

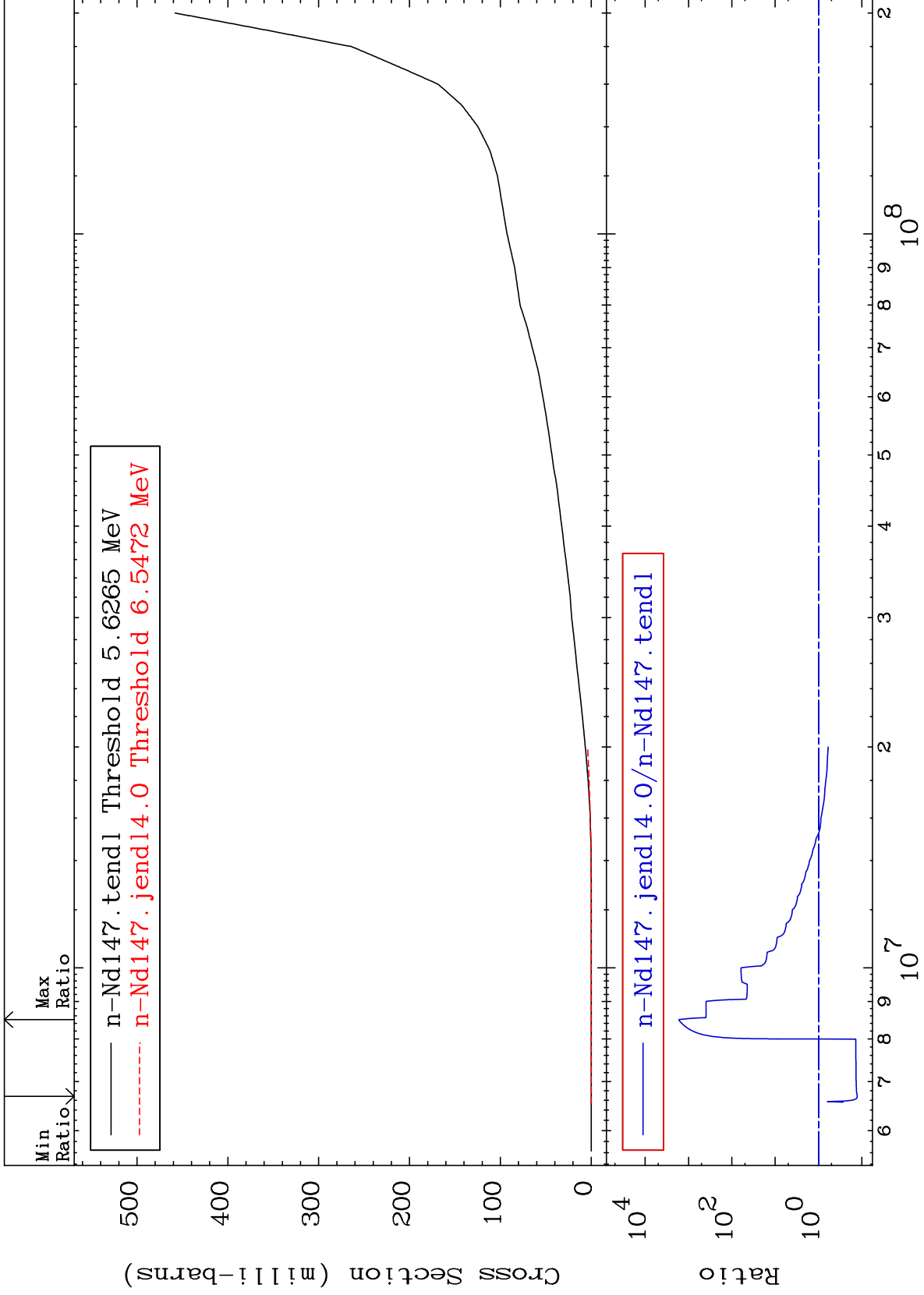




MAT 6040

Deuterium Production  
Cross Section

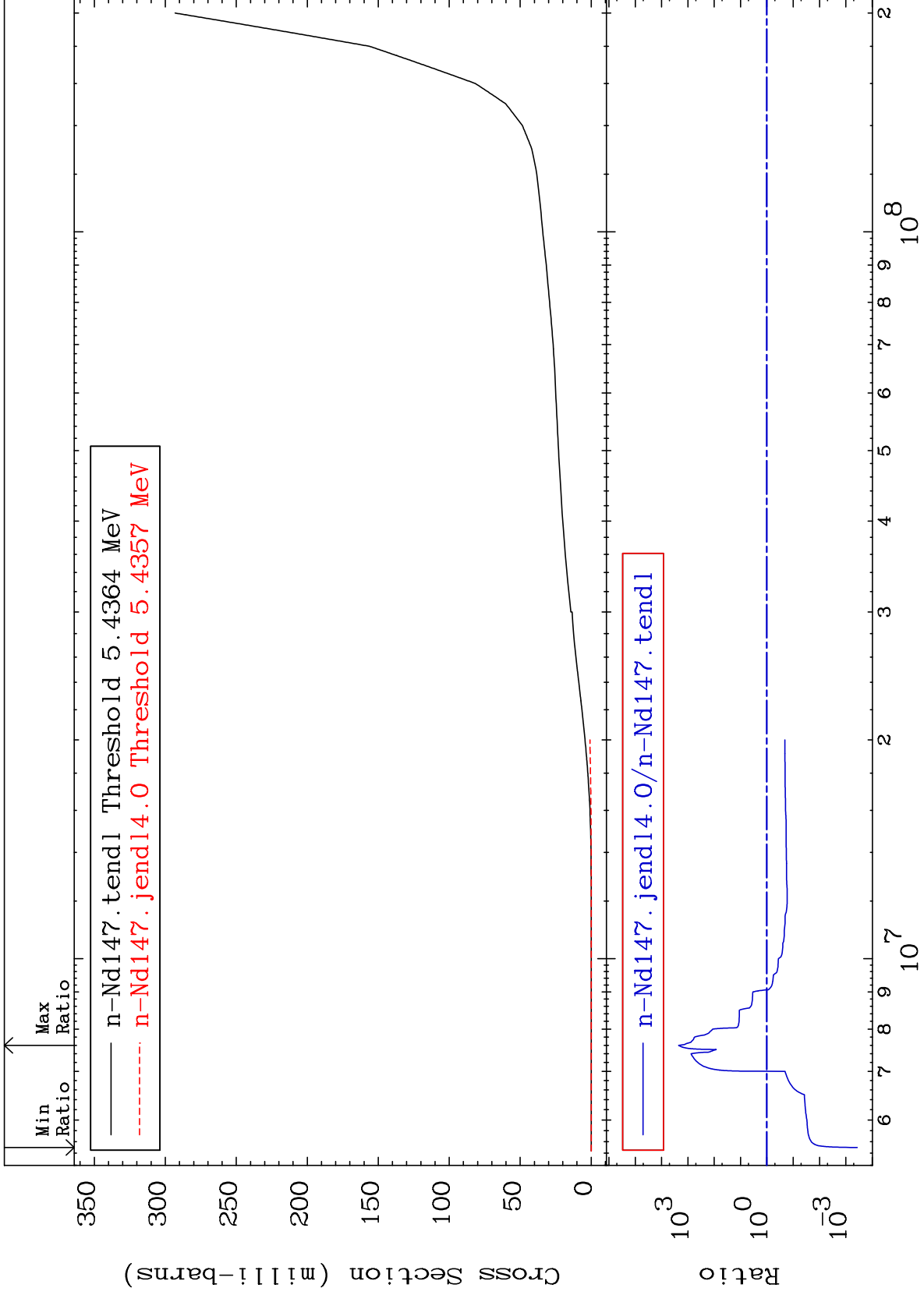
60-Nd-147  
-87.26 To 9999. %



MAT 6040

Tritium Production  
Cross Section

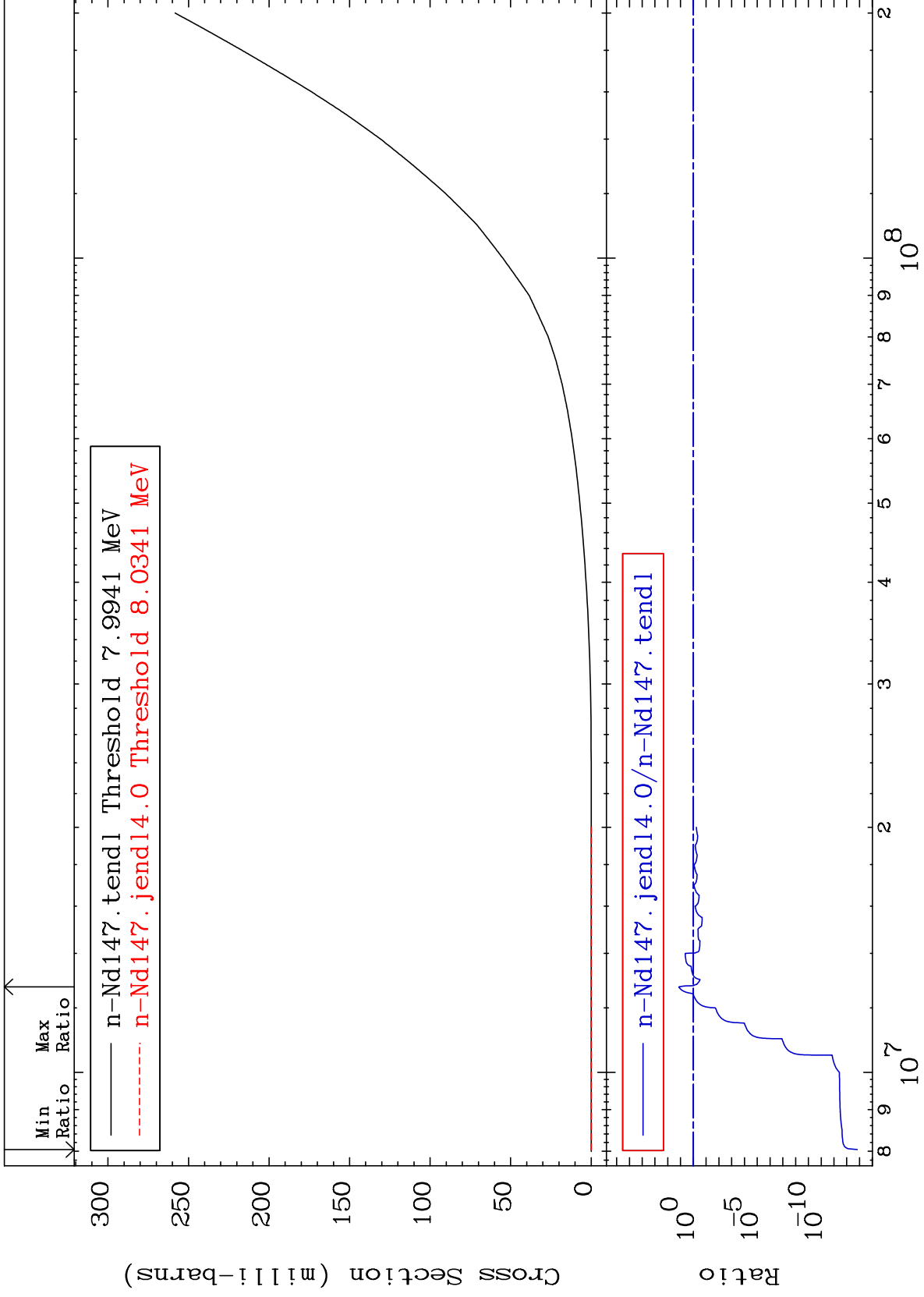
60-Nd-147  
-99.96 To 9999. %



MAT 6040

He-3 Production  
Cross Section

60-Nd-147  
-100.0 To 1312. %



47

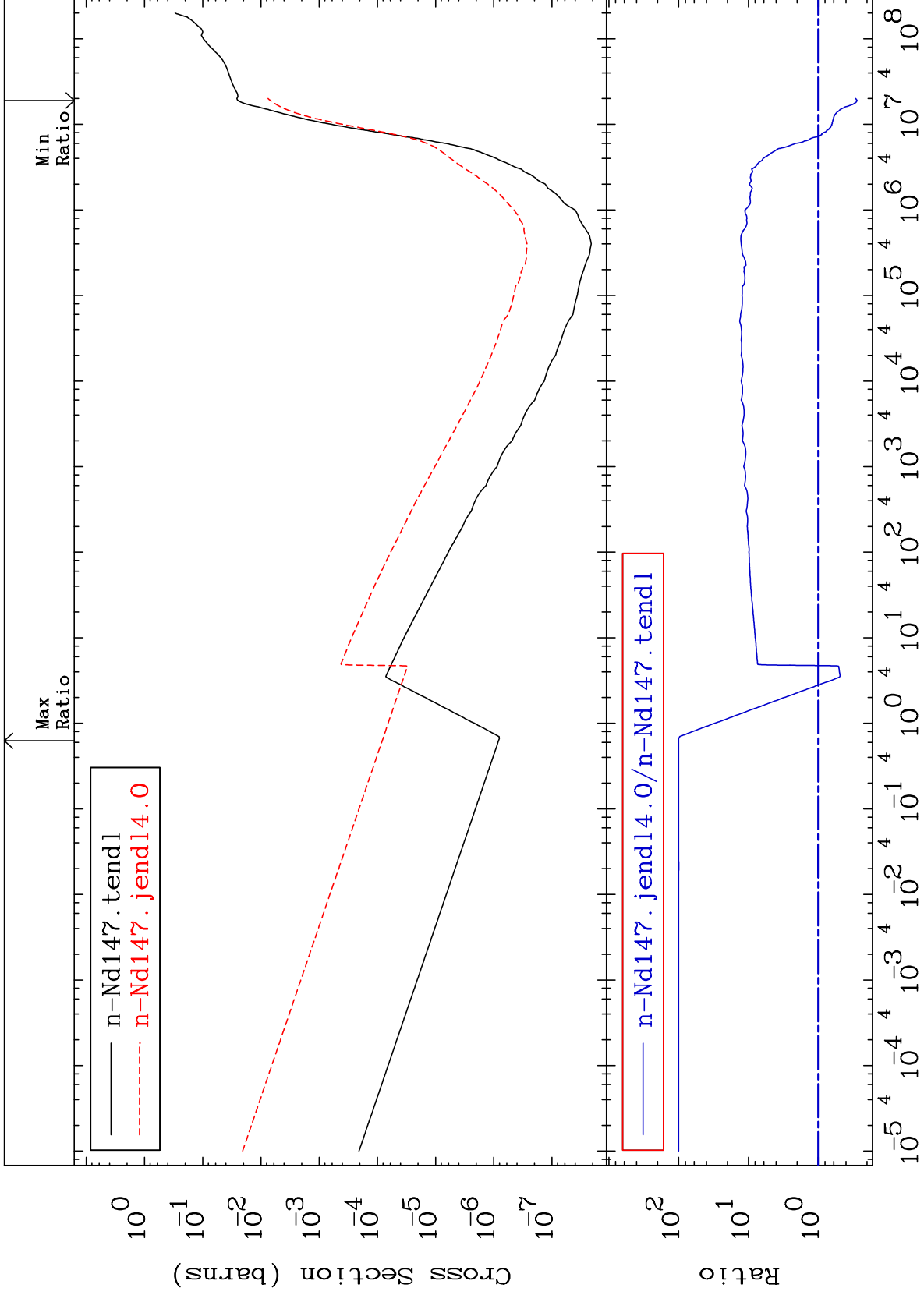
Incident Energy (eV)

60-Nd-147

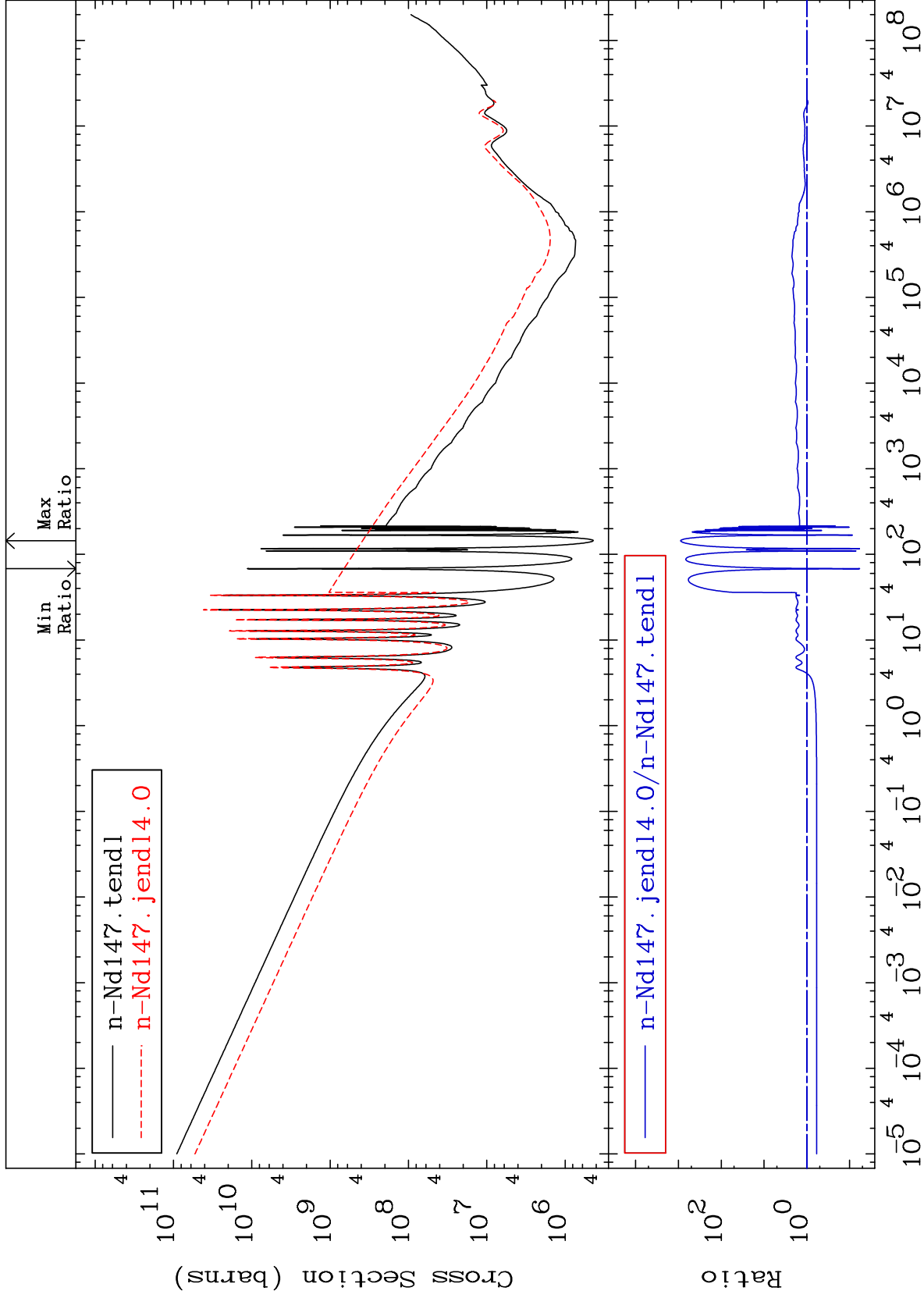
MAT 6040

He-4 Production  
Cross Section

60-Nd-147  
-72.46 To 9901. %



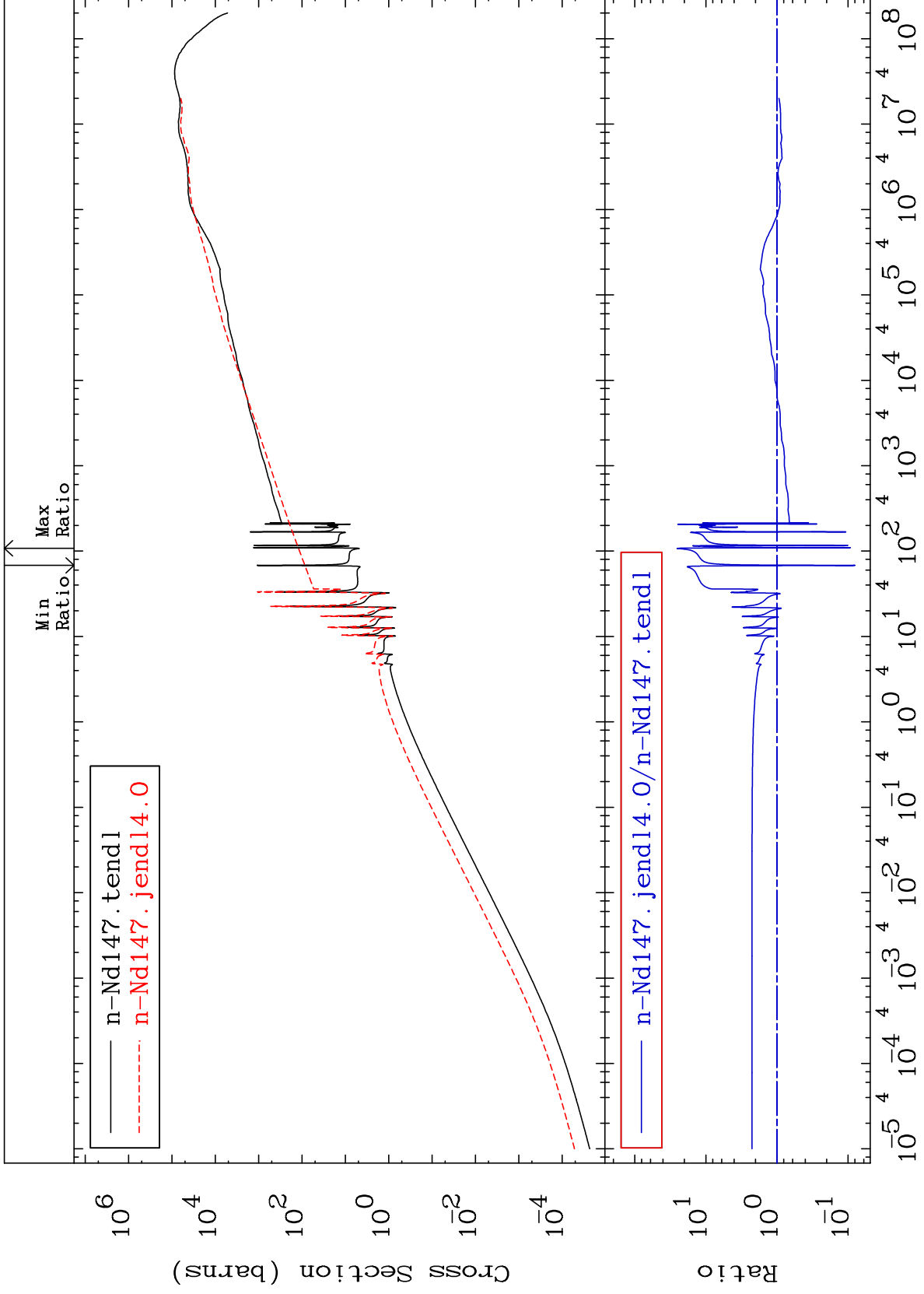




MAT 6040

Kerma elastic  
Cross Section

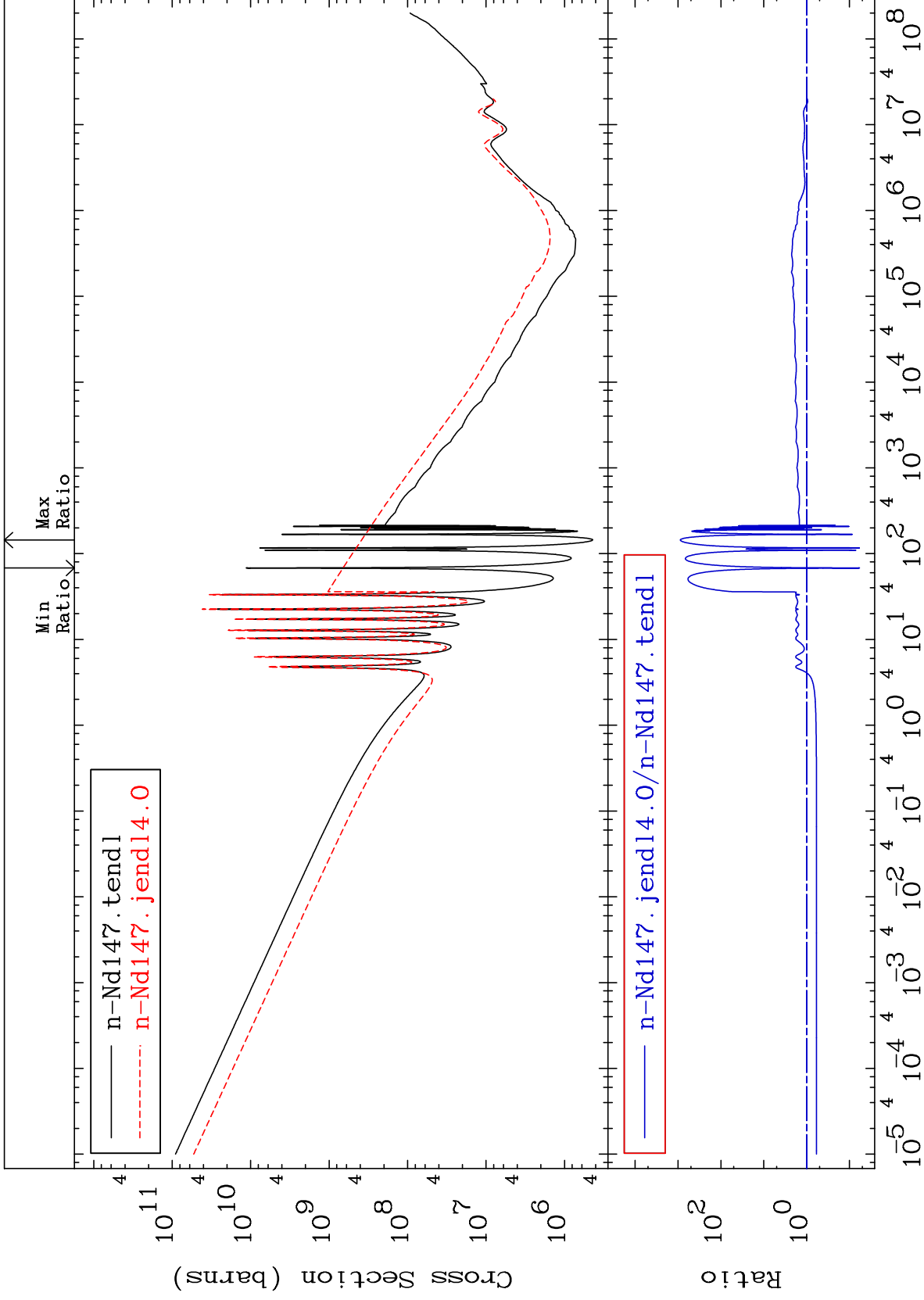
60-Nd-147  
-92.05 To 2451. %



50

Incident Energy (eV)

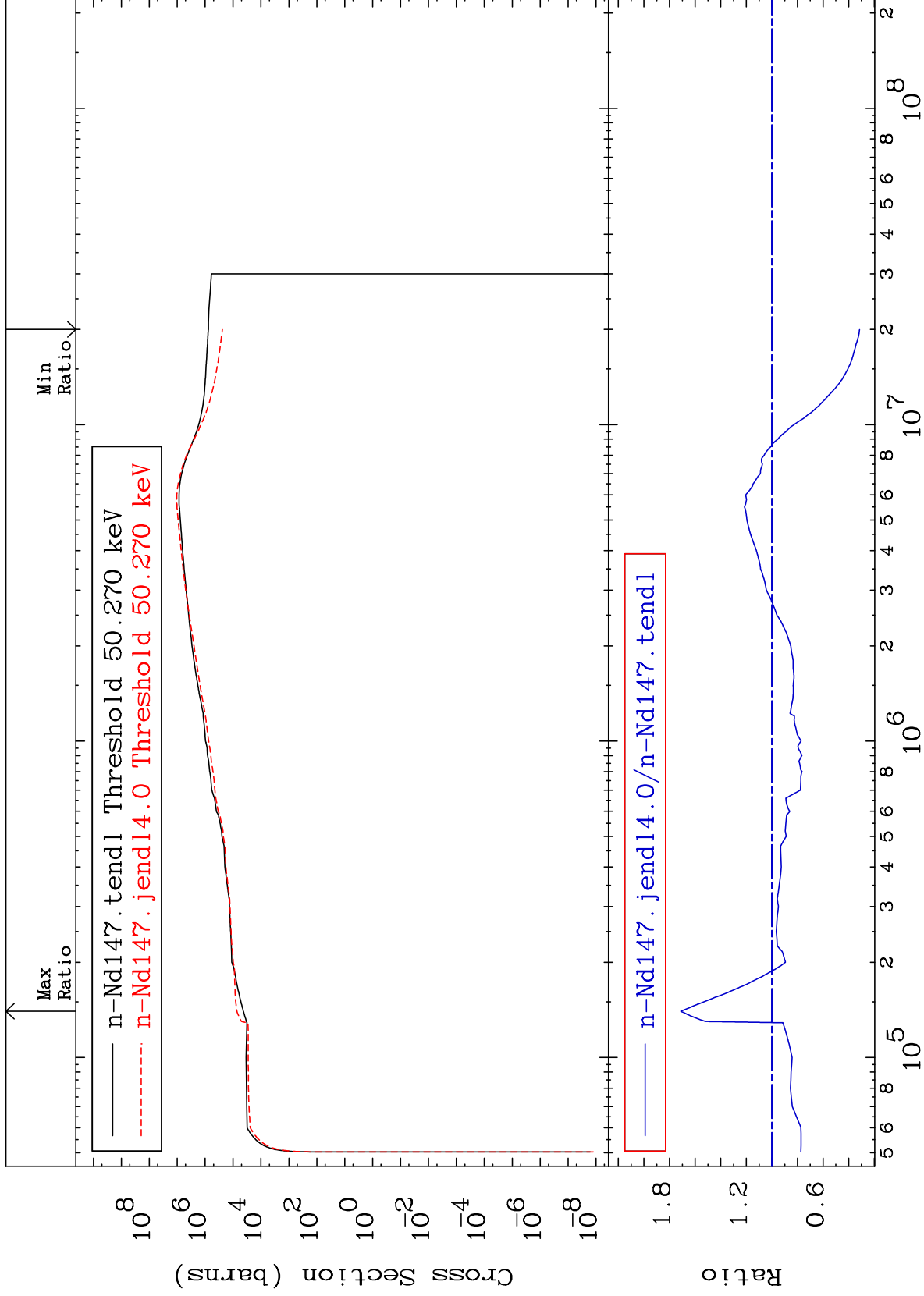
60-Nd-147

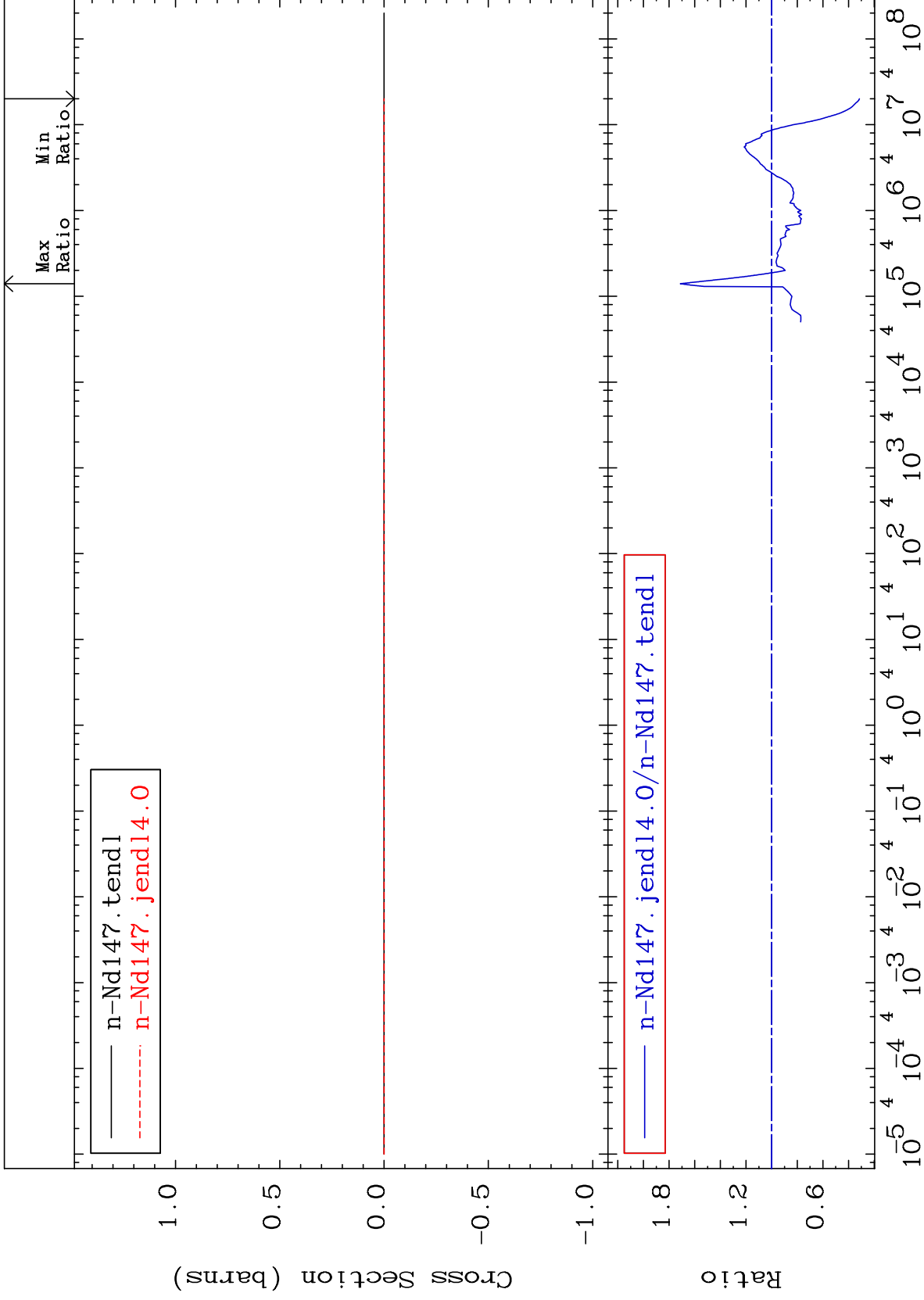


MAT 6040

Kerma inelastic (mt51-91)  
Cross Section

60-Nd-147  
-68.48 To 71.23 %

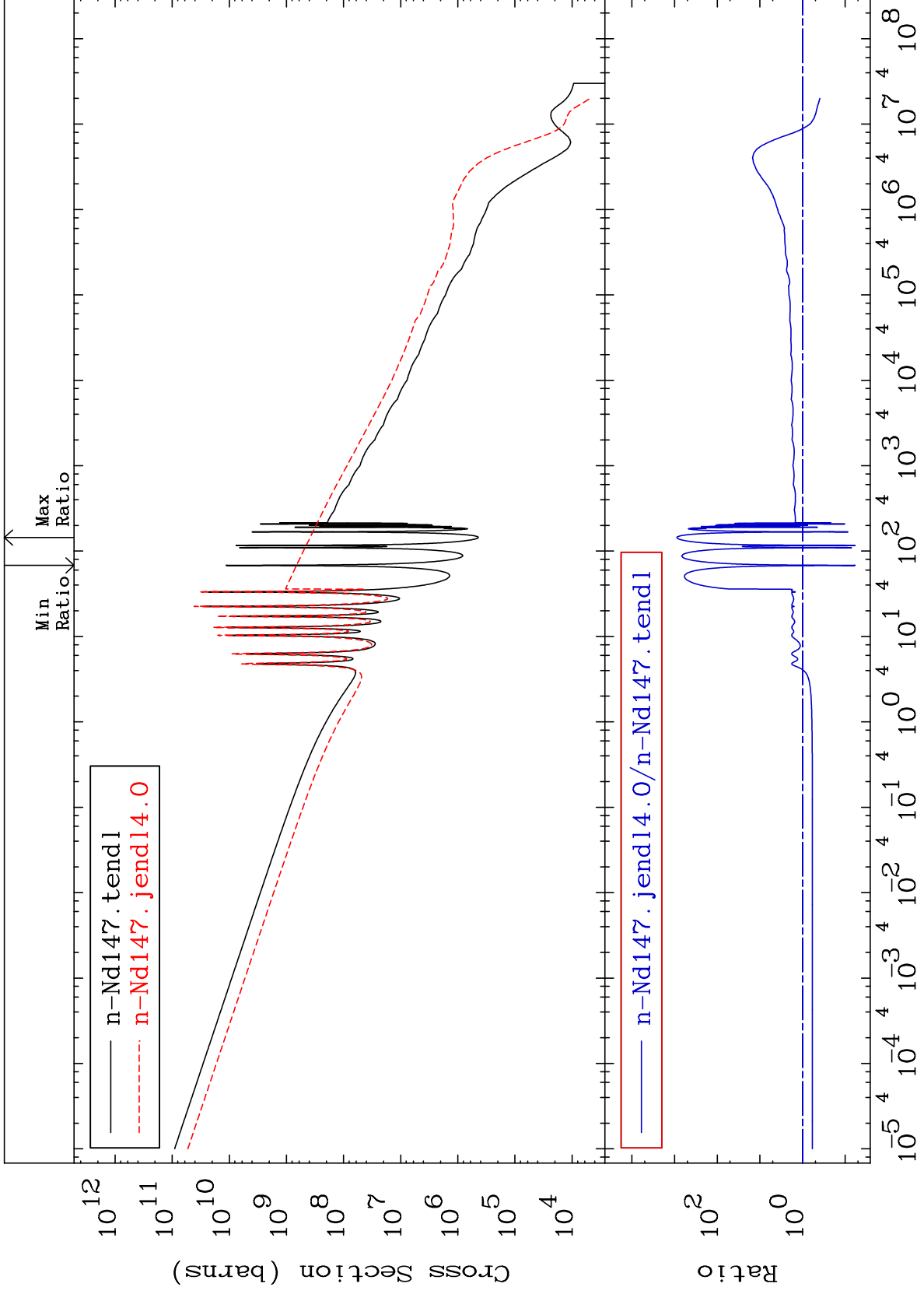




MAT 6040

Kerma capture (mt102)  
Cross Section

60-Nd-147  
-94.14 To 9999. %



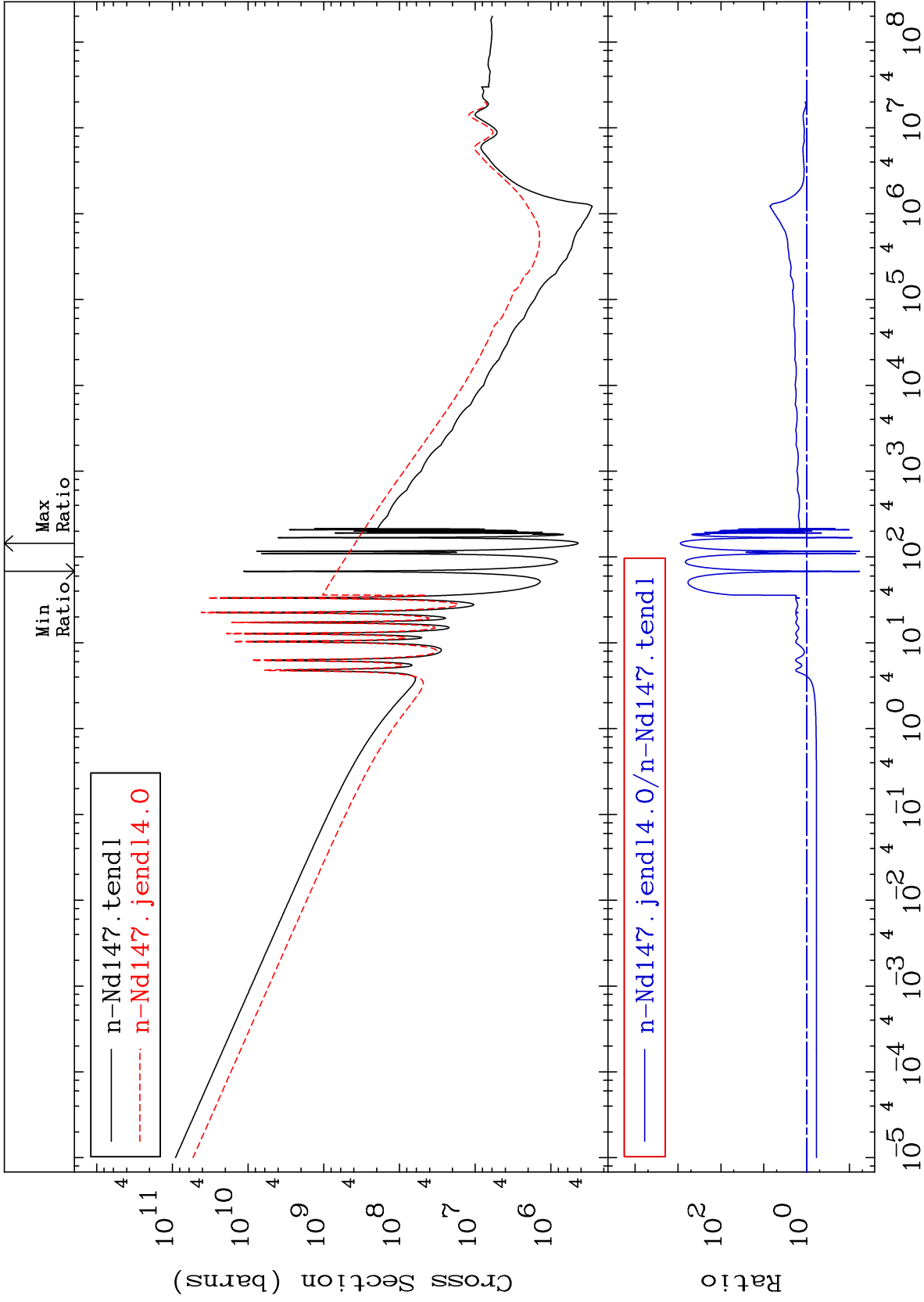
MAT 6040

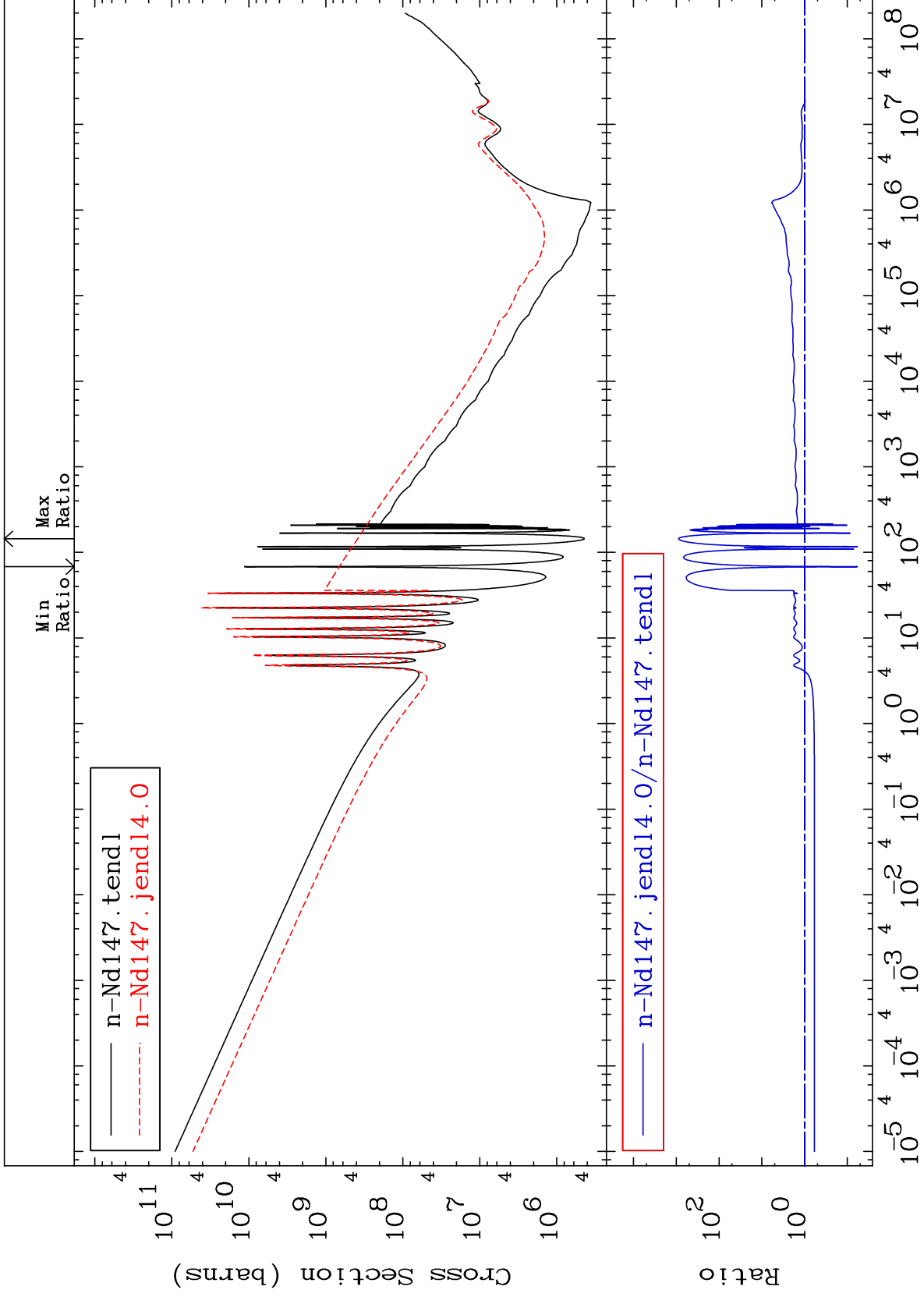
Total photon (eV-barns)

60-Nd-147

-94.14 To 9999. %

Cross Section







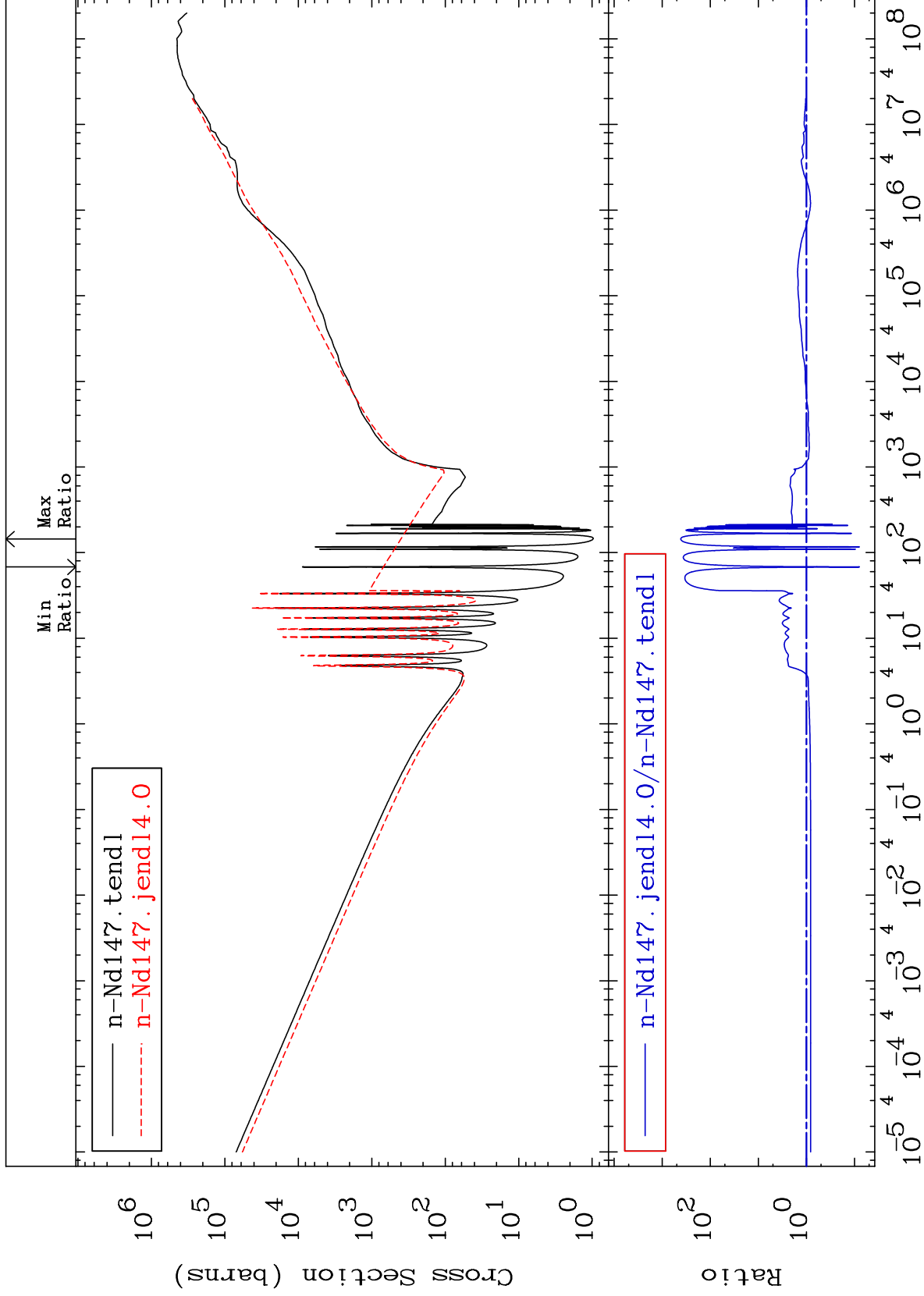
MAT 6040

Dpa total (eV-barns)

60-Nd-147

-92.10 To 9999. %

Cross Section



57

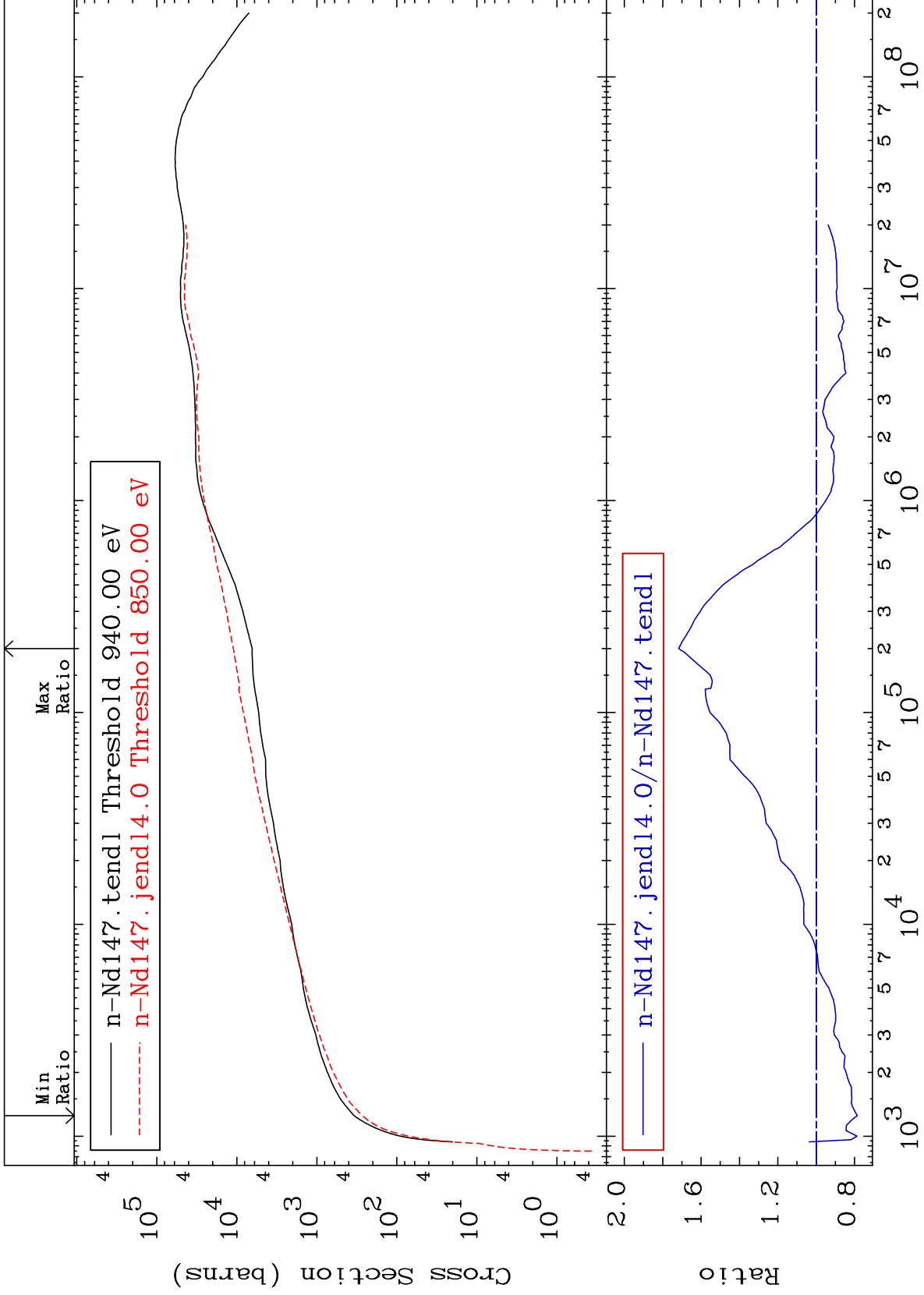
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa elastic (mt2)  
Cross Section

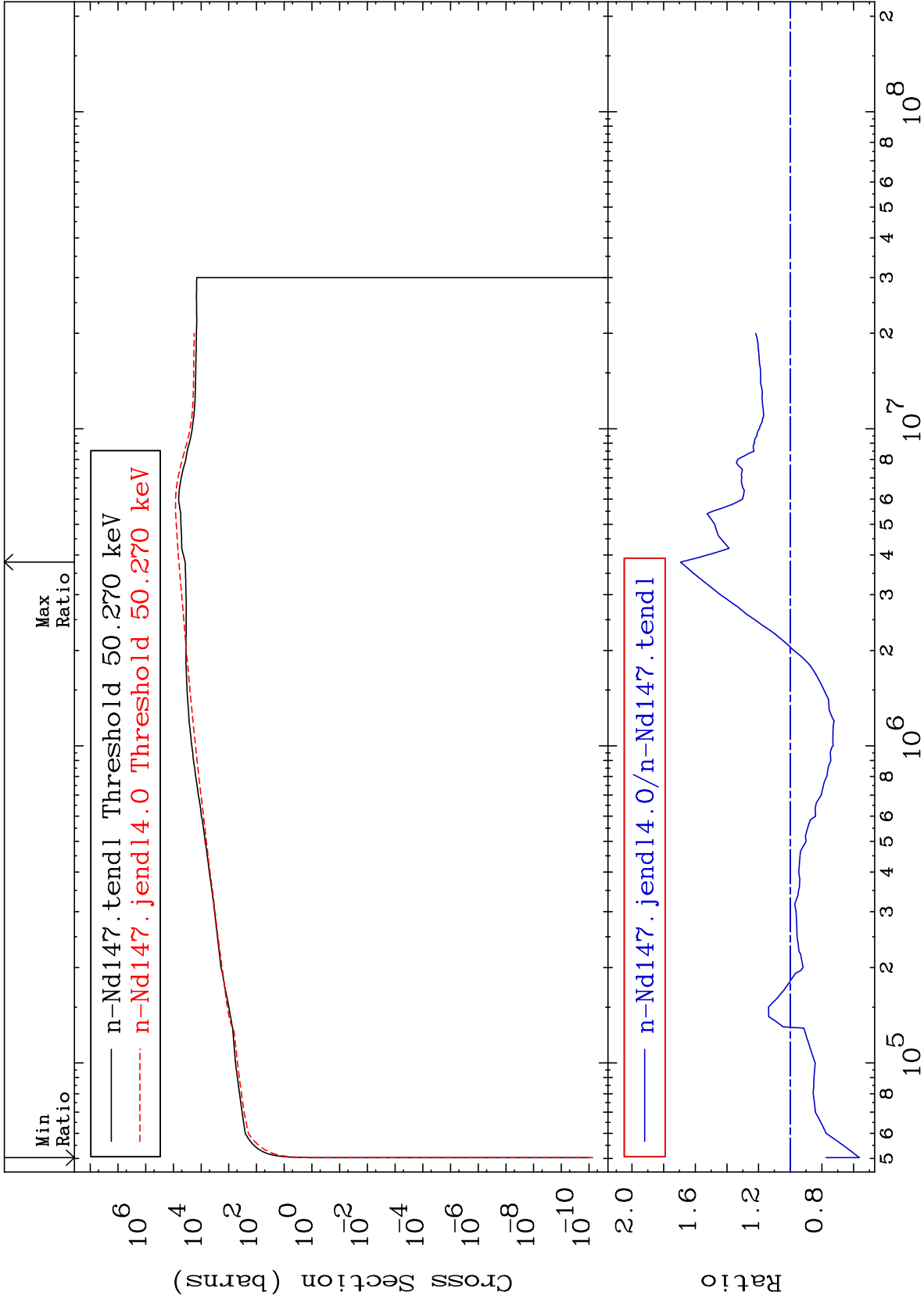
60-Nd-147  
-21.39 To 71.69 %



58

Incident Energy (eV)

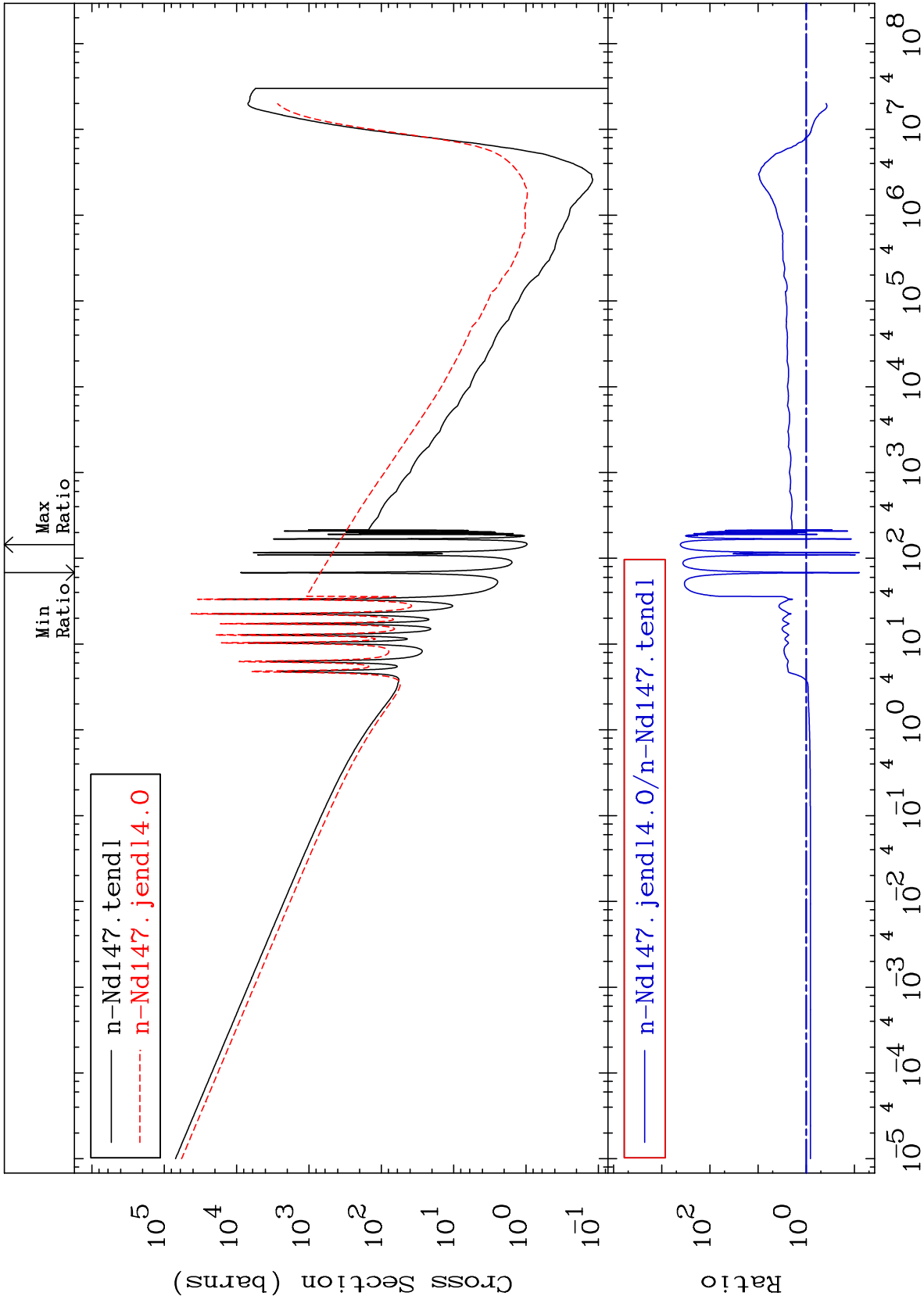
60-Nd-147



MAT 6040

Dpa disappearance (mt102 -120)  
Cross Section

60-Nd-147  
-92.10 To 9999. %



60

Incident Energy (eV)

60-Nd-147