

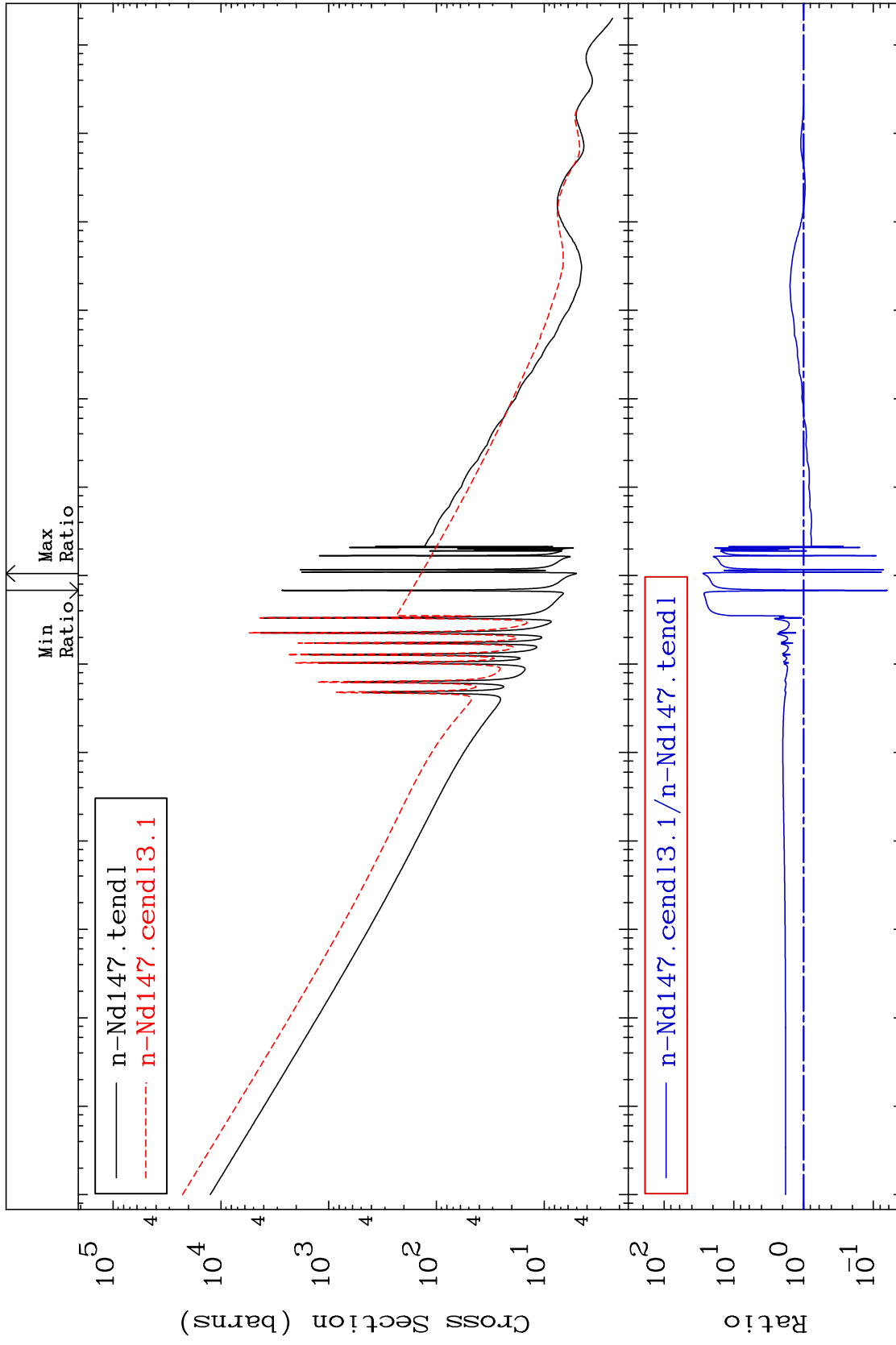
MAT 6040

Total

60-Nd-147

Cross Section

-93.73 To 2679. %



Incident Energy (eV)

60-Nd-147

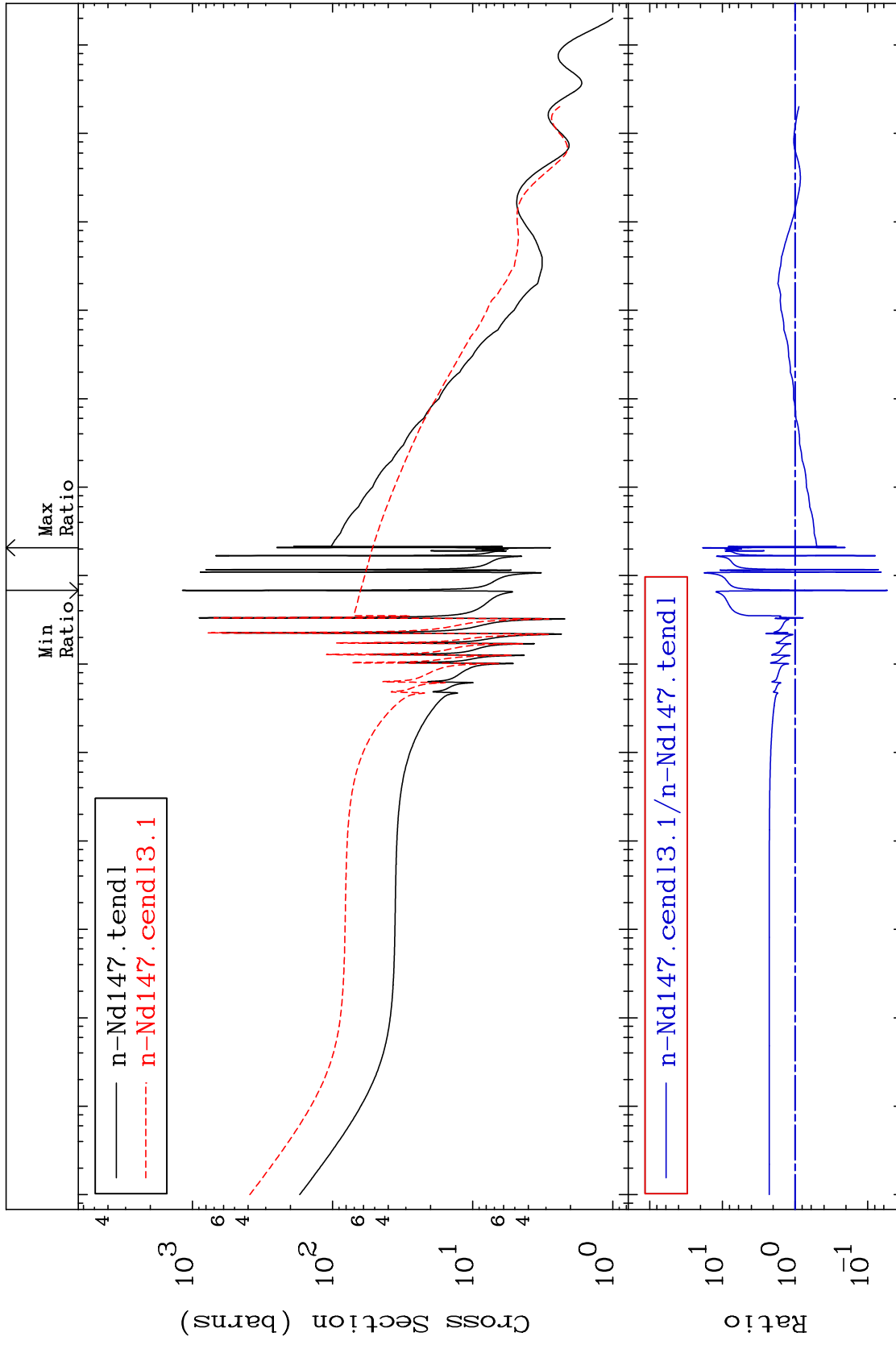
MAT 6040

Elastic

60-Nd-147

Cross Section

-94.64 To 1756. %



Incident Energy (eV)

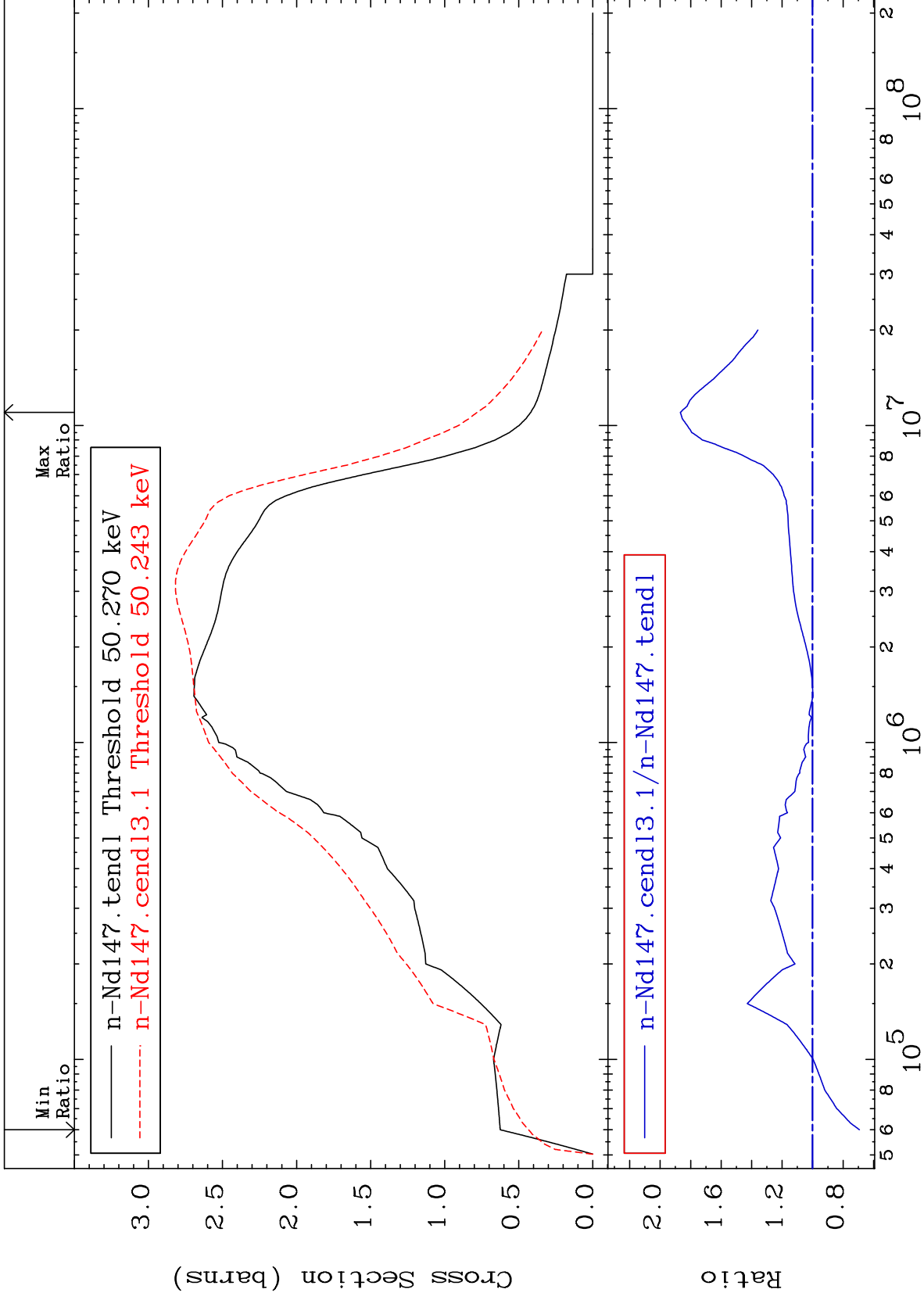
60-Nd-147

2

MAT 6040

Inelastic  
Cross Section

60-Nd-147  
-30.72 To 86.75 %



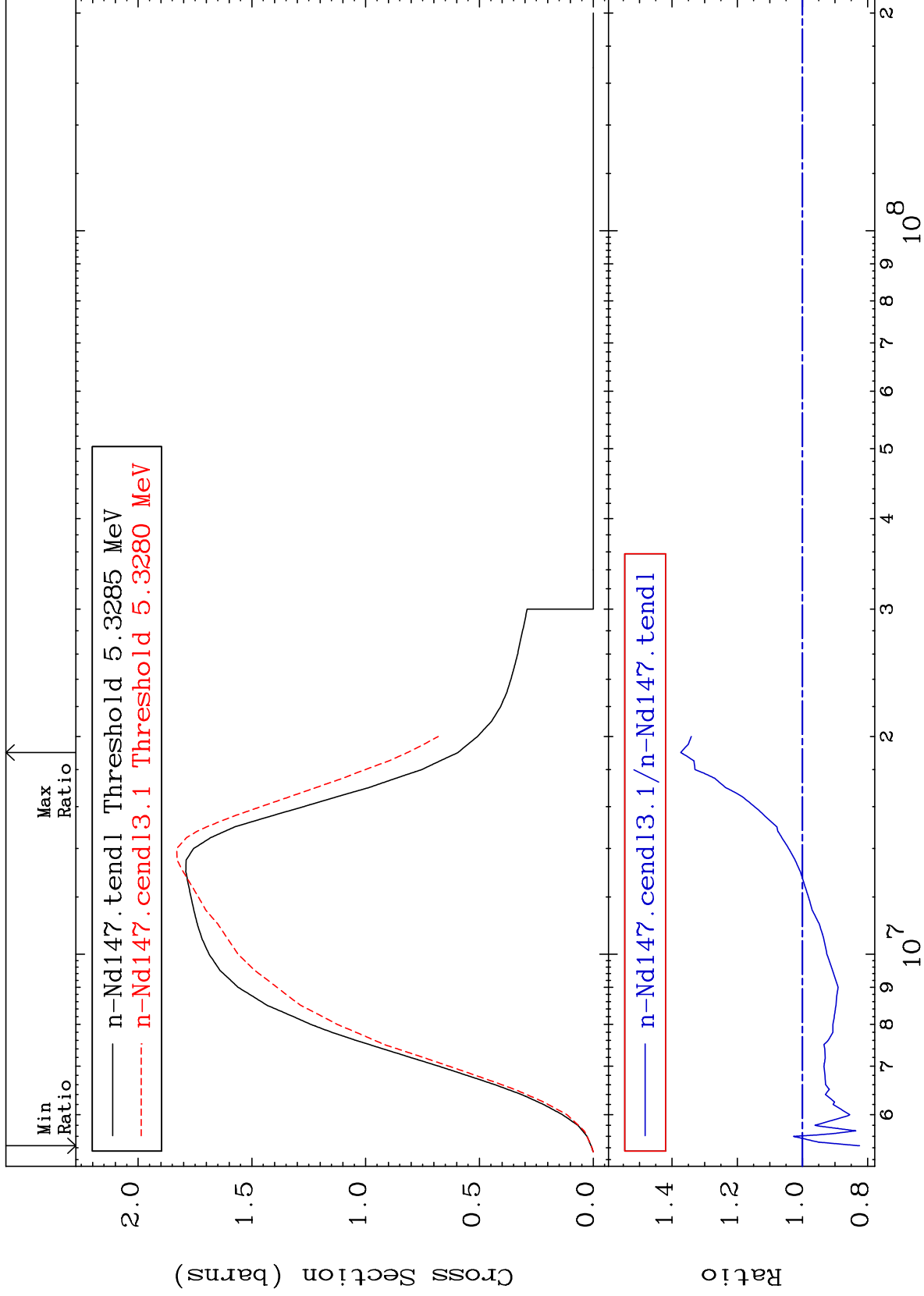
MAT 6040

(n,2n)

60-Nd-147

Cross Section

-17.53 To 37.33 %



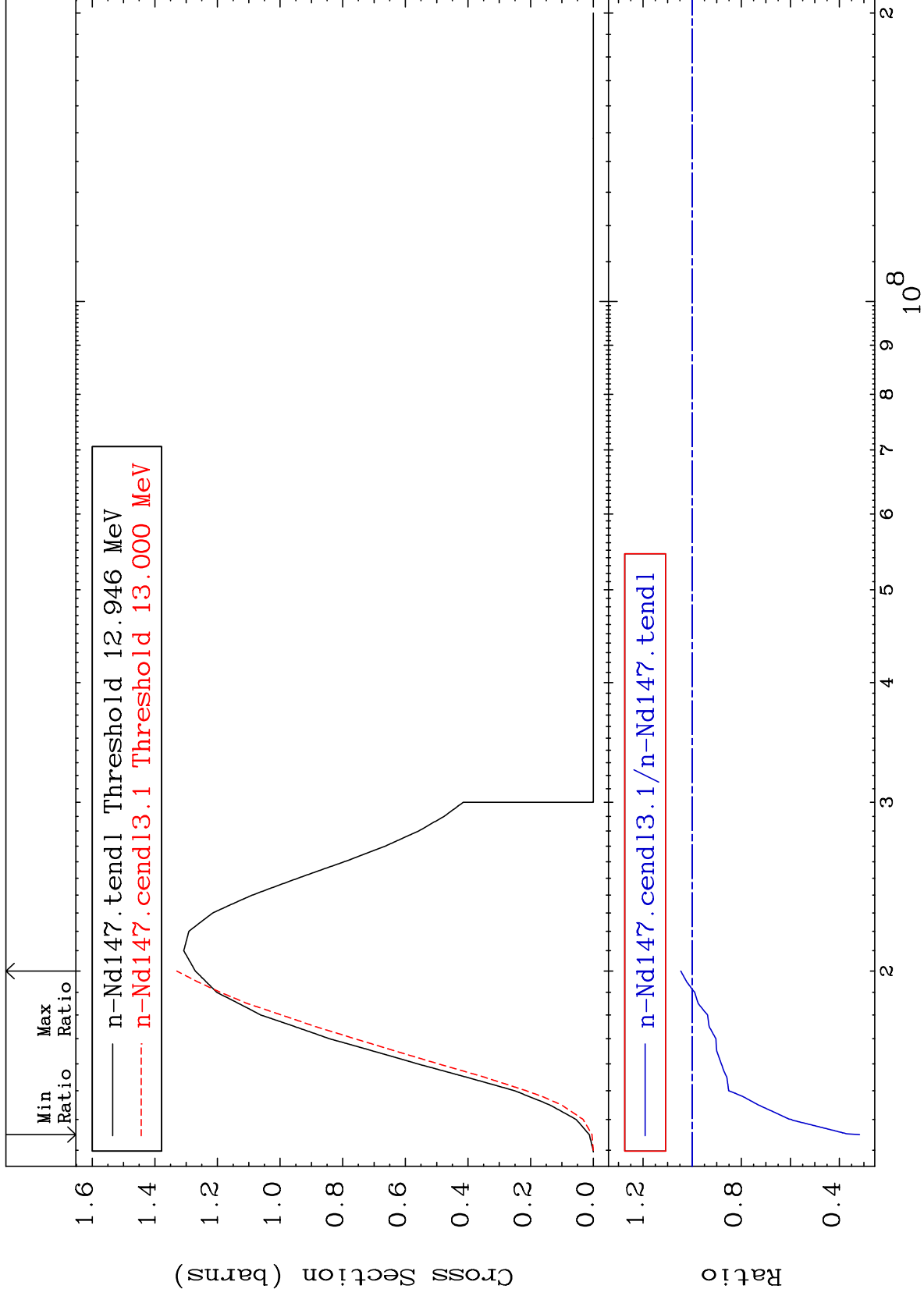
MAT 6040

(n,3n)

60-Nd-147

Cross Section

-68.20 To 4.655 %



5

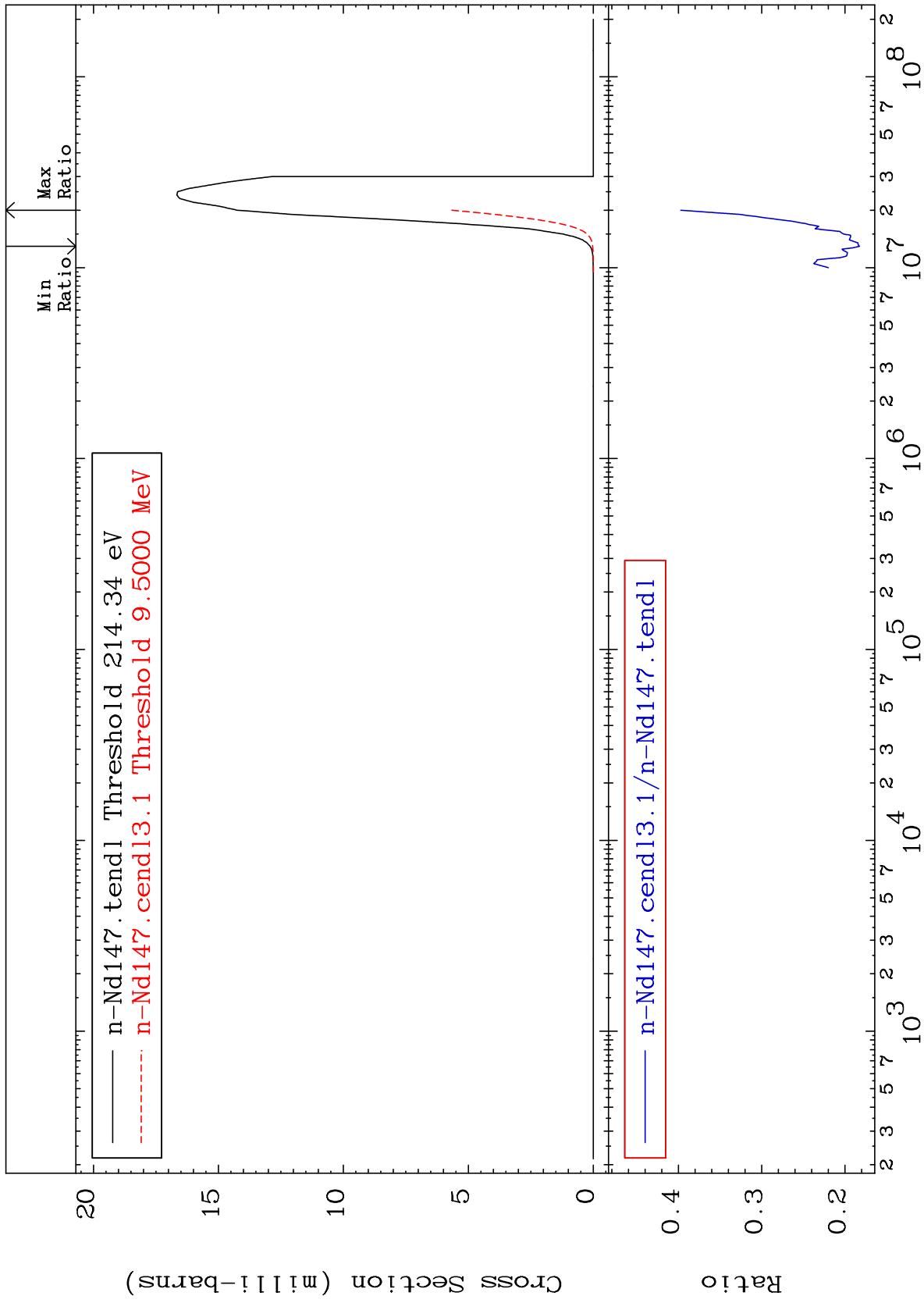
60-Nd-147

60-Nd-147

MAT 6040

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

60-Nd-147  
-81.75 To -60.28%



6

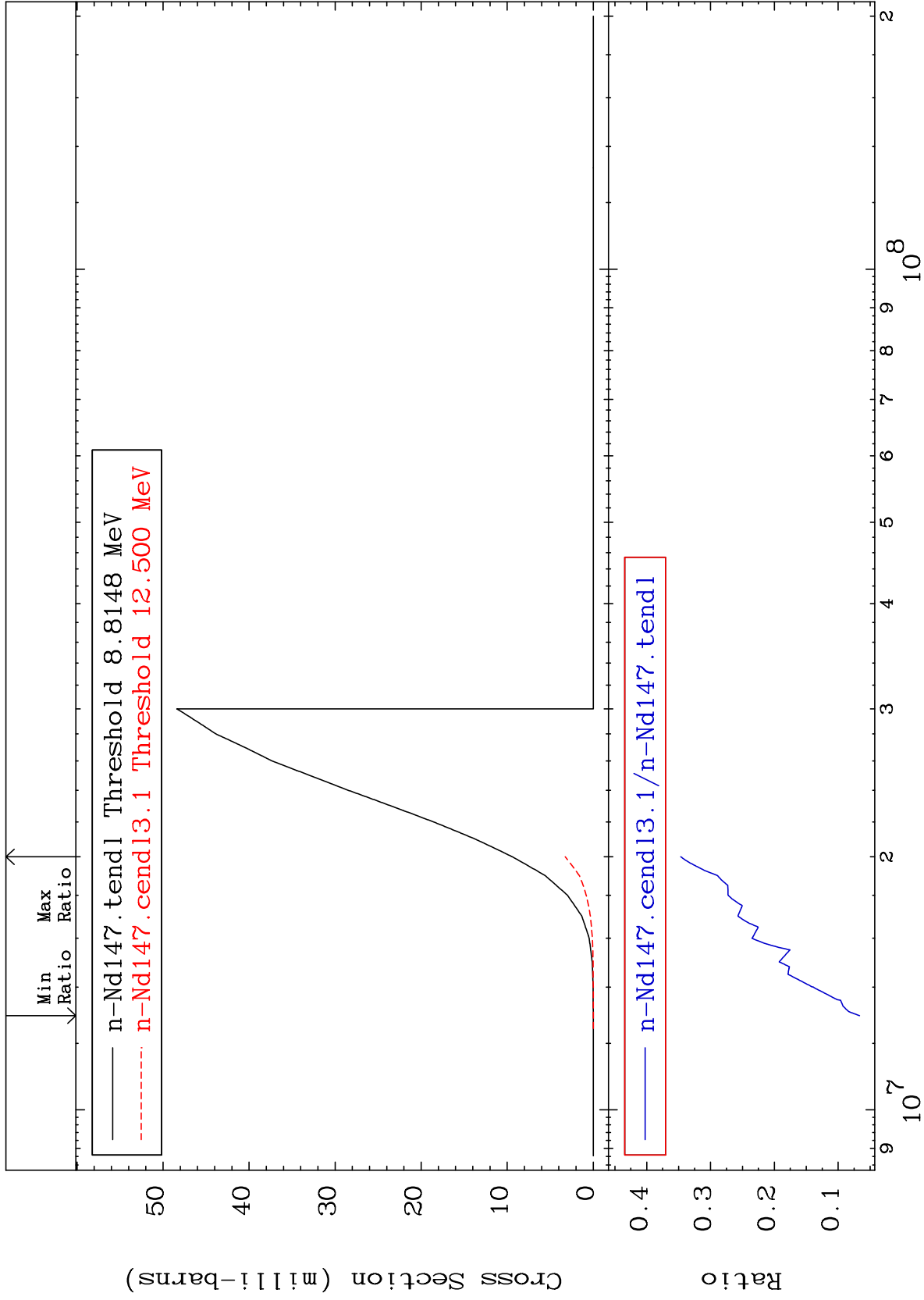
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') p  
Cross Section

60-Nd-147  
-93.35 To -65.33%



7

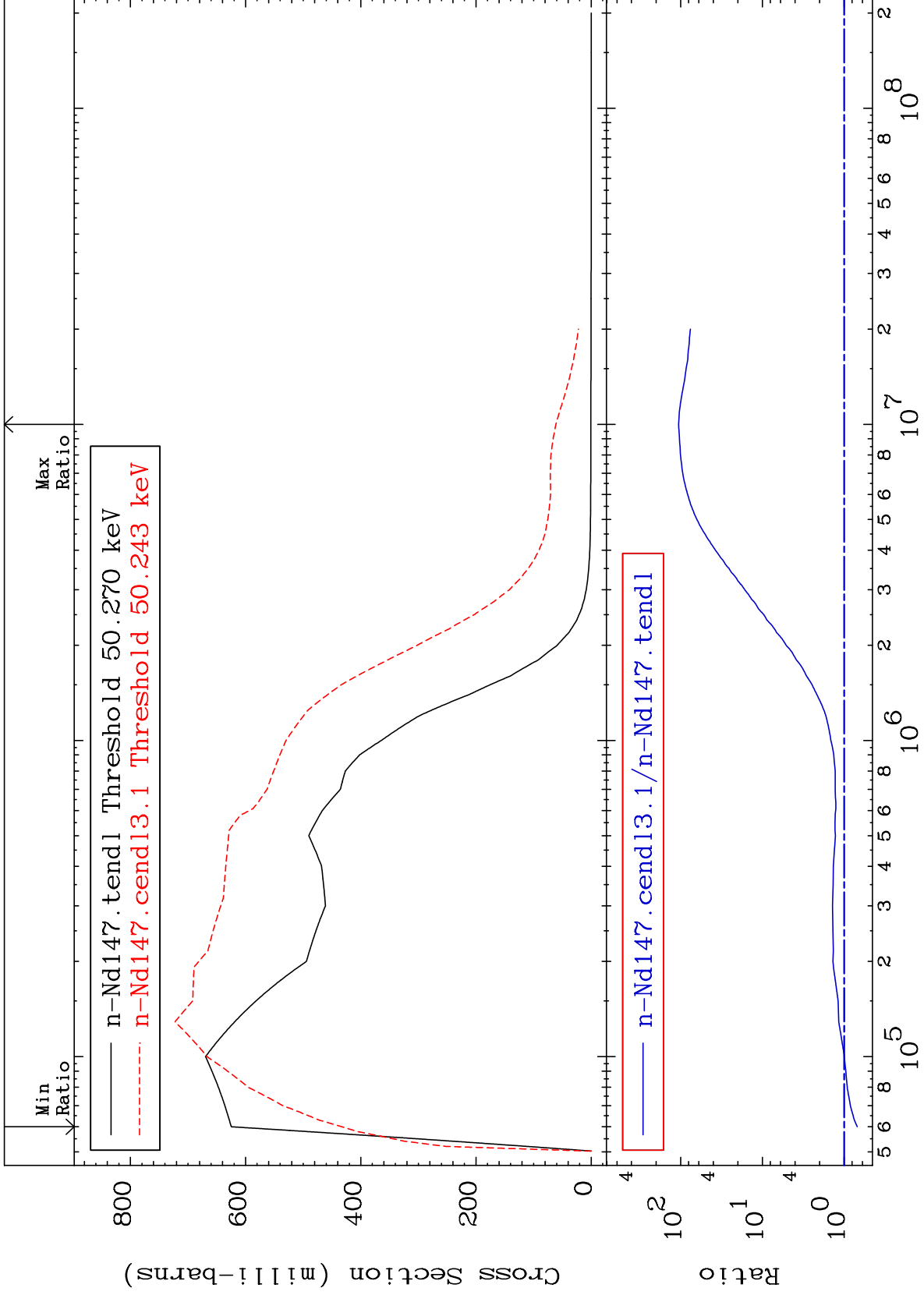
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-30.72 To 9999. %

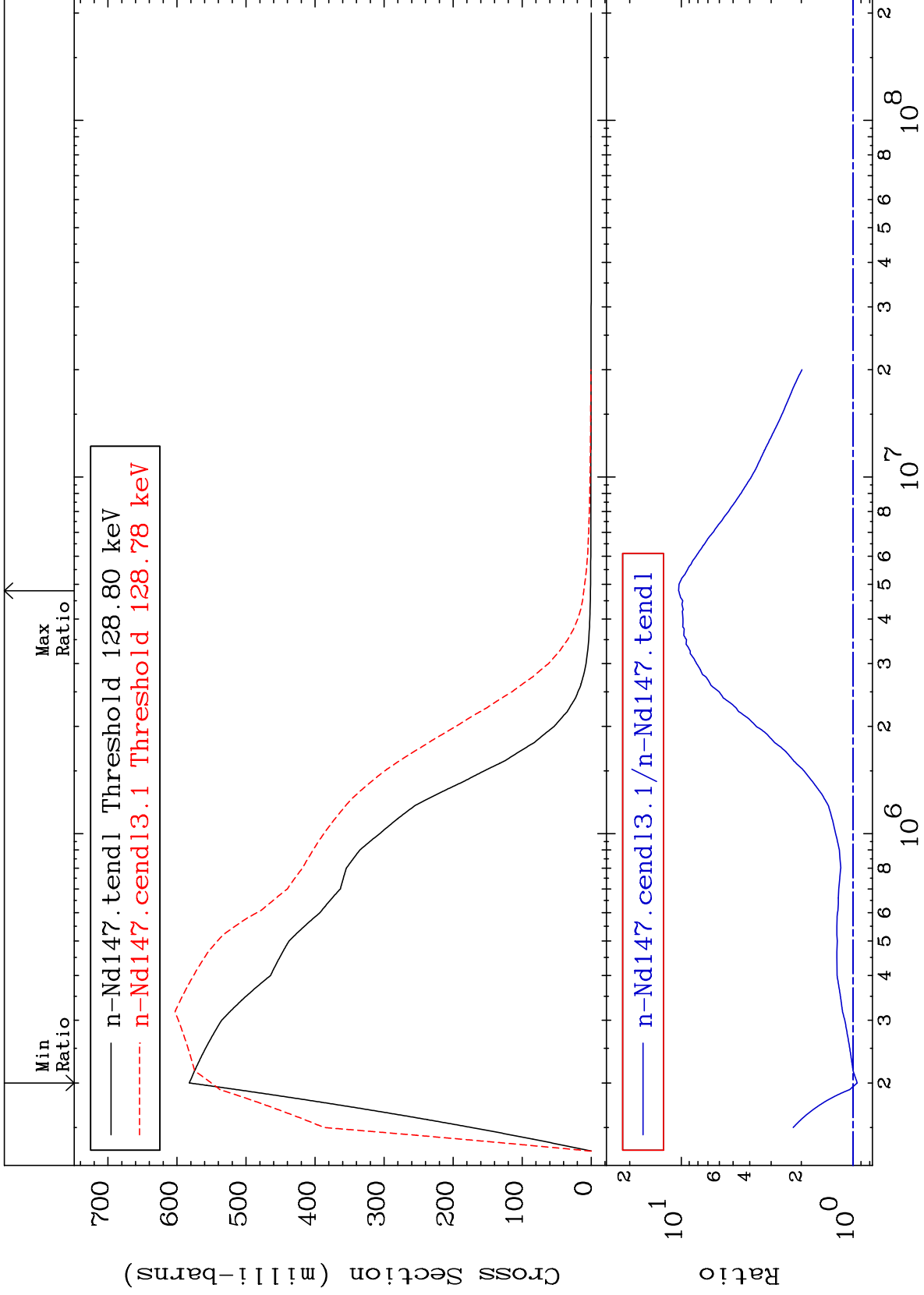




MAT 6040

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

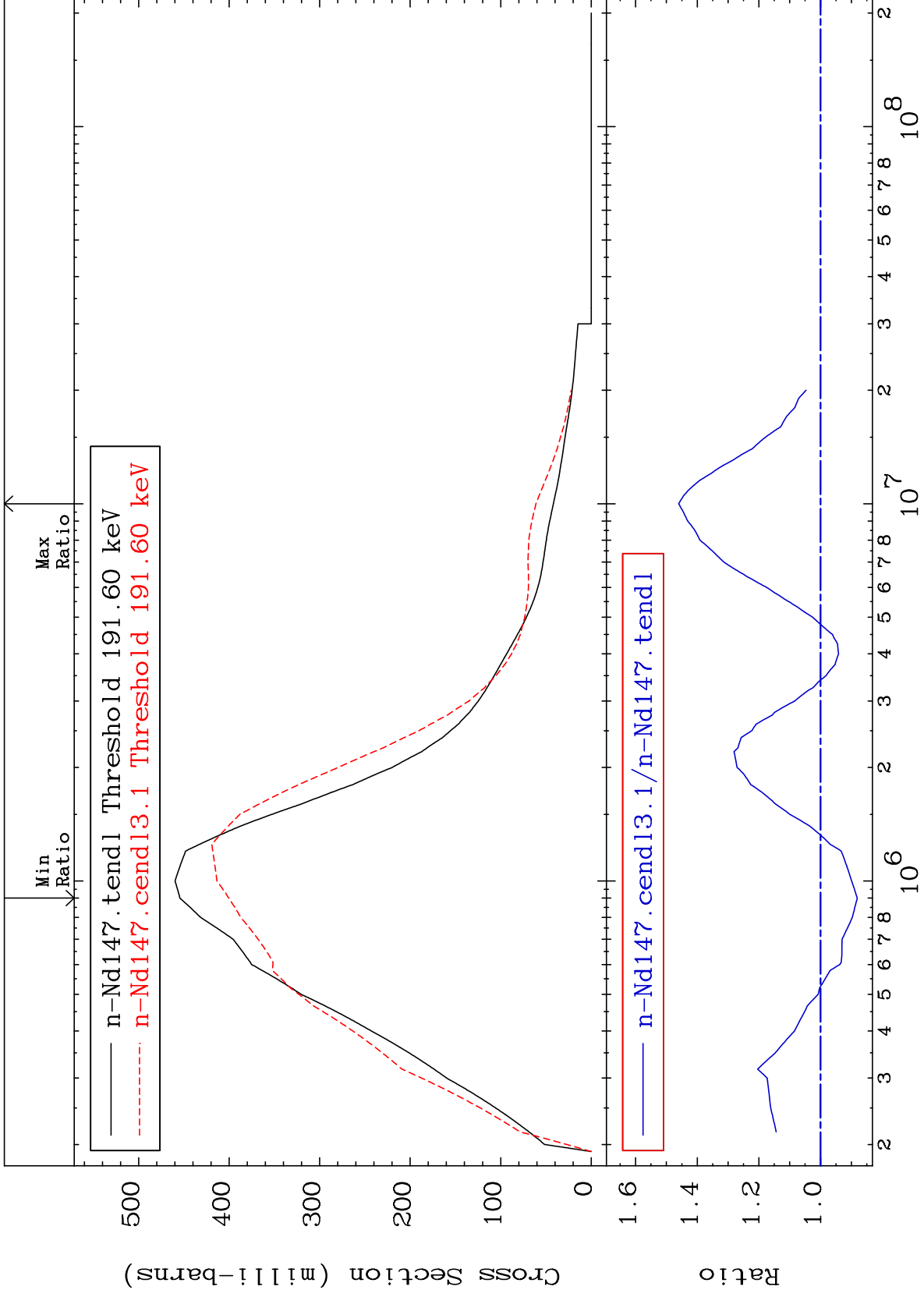
60-Nd-147  
-5.467 To 936.8 %



MAT 6040

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

60-Nd-147  
-11.90 To 46.04 %



10

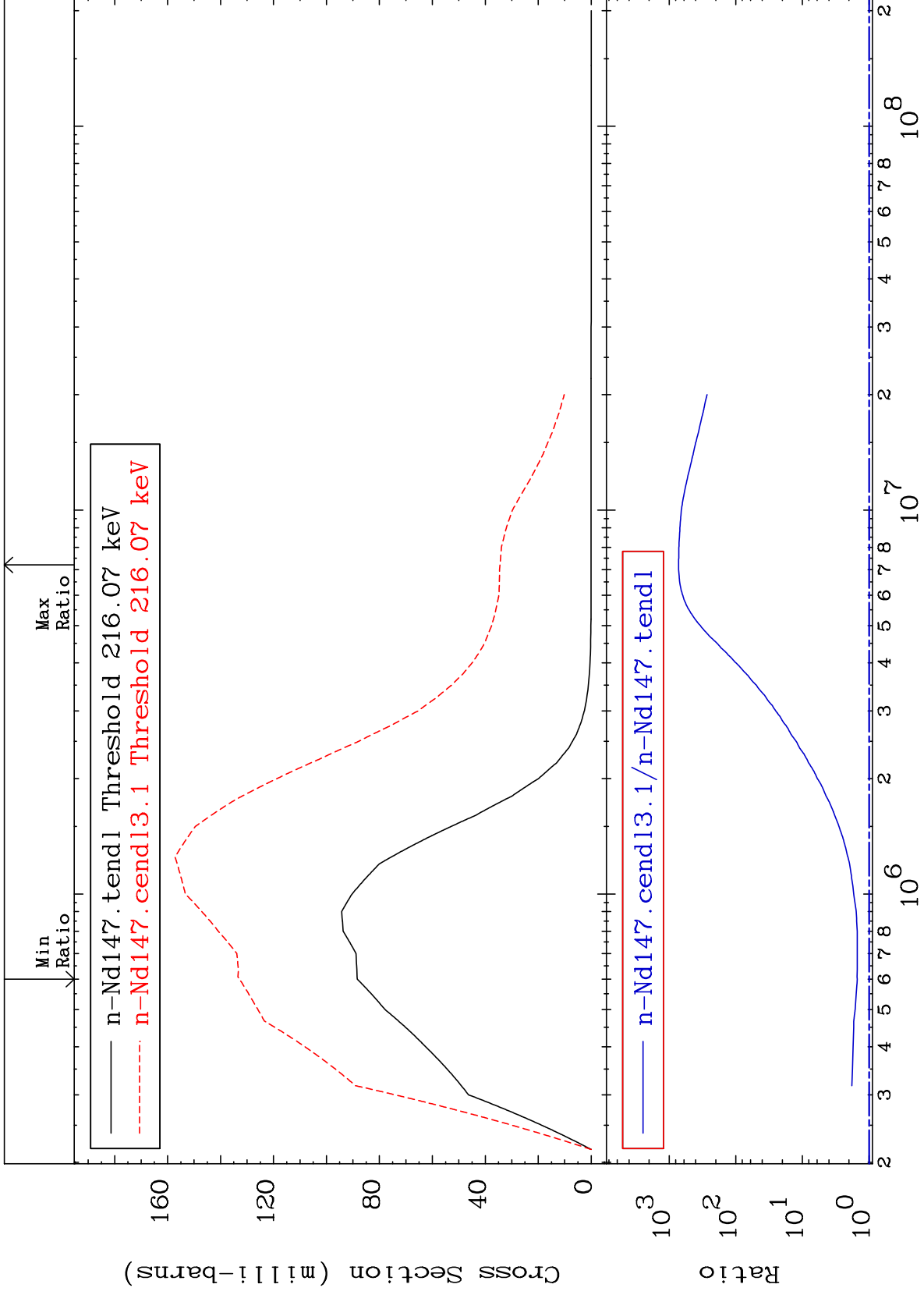
Incident Energy (eV)

60-Nd-147

MAT 6040

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

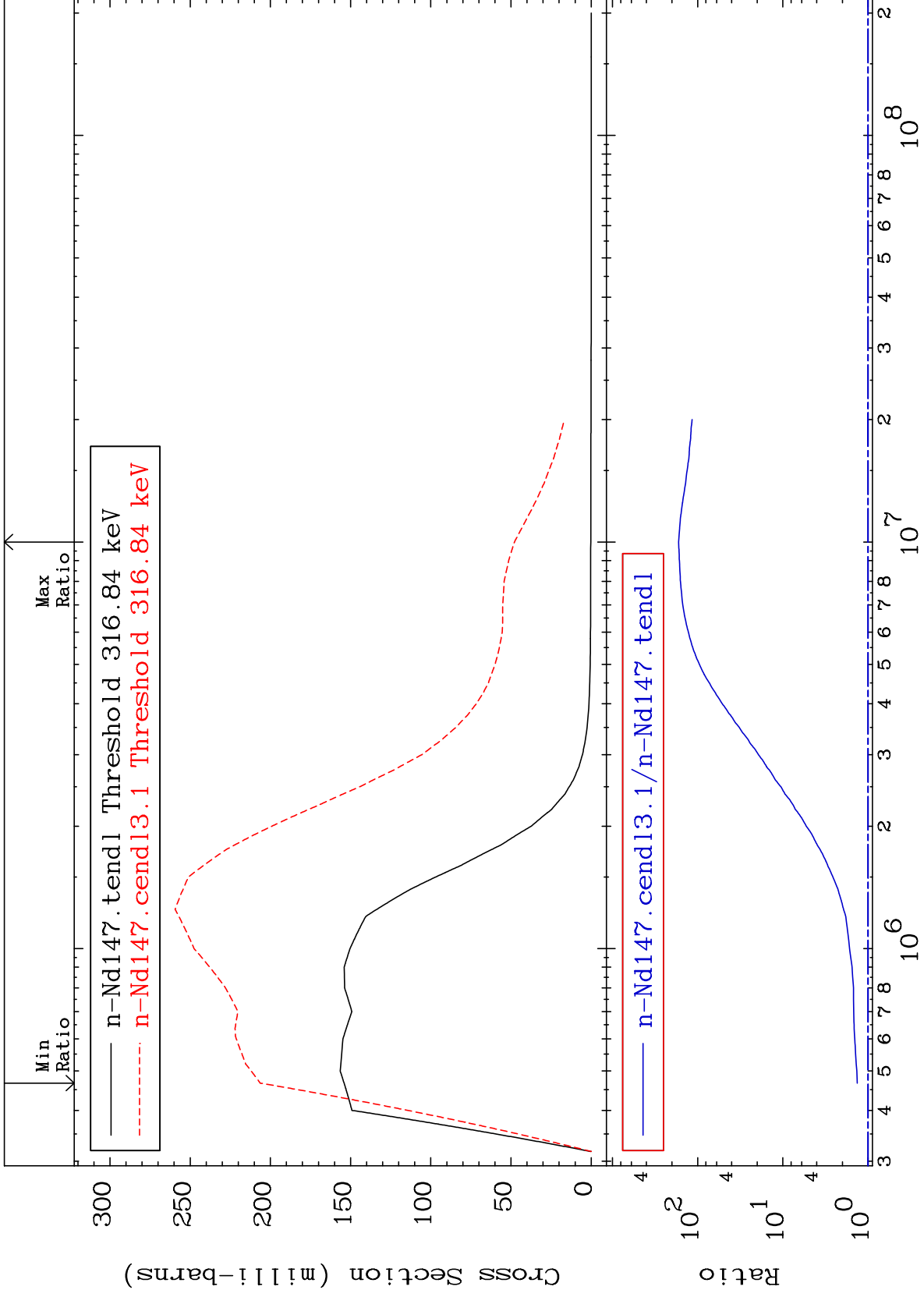
60-Nd-147  
50.31 To 9999. %



MAT 6040

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

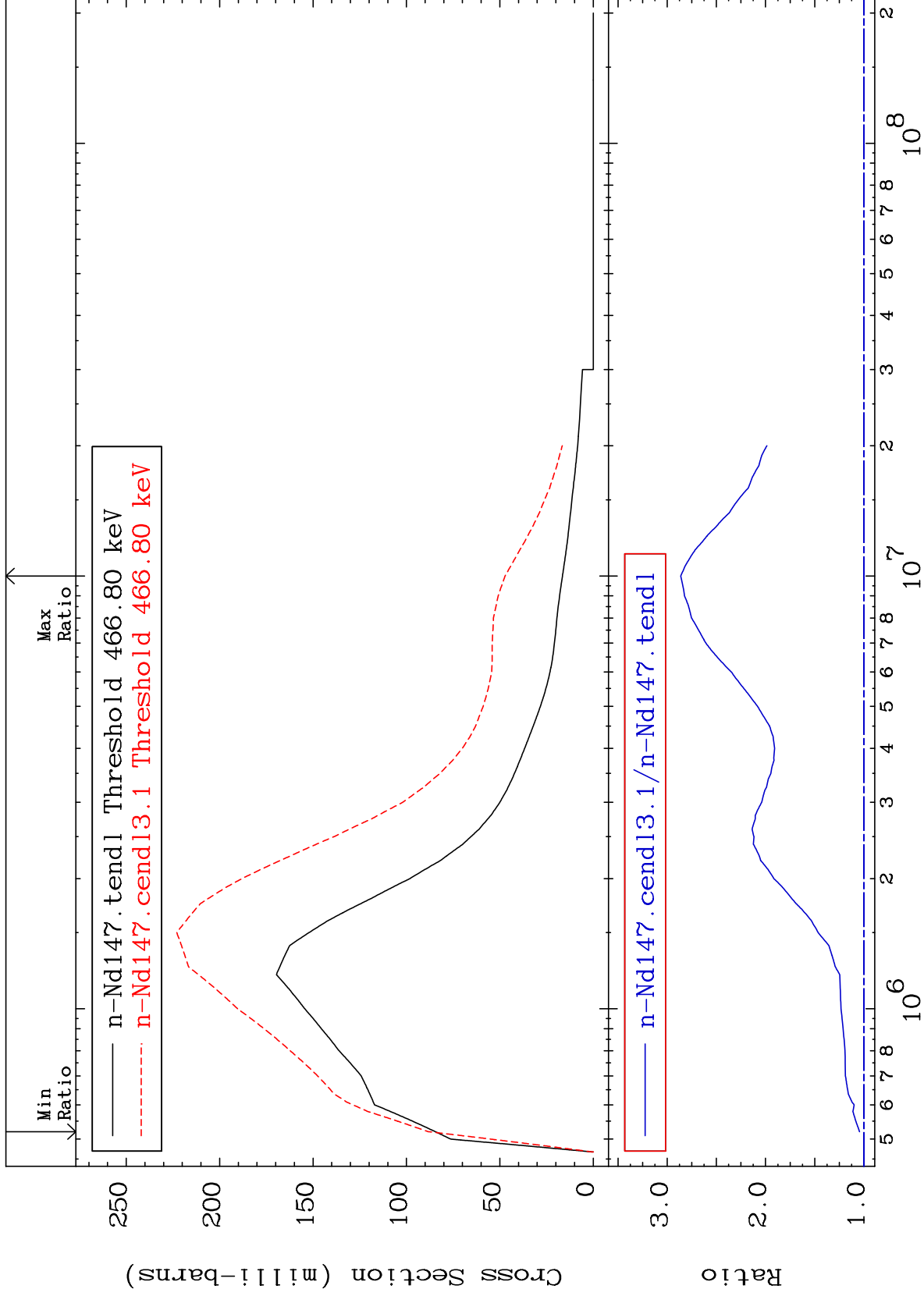
60-Nd-147  
33.95 To 9999. %



MAT 6040

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

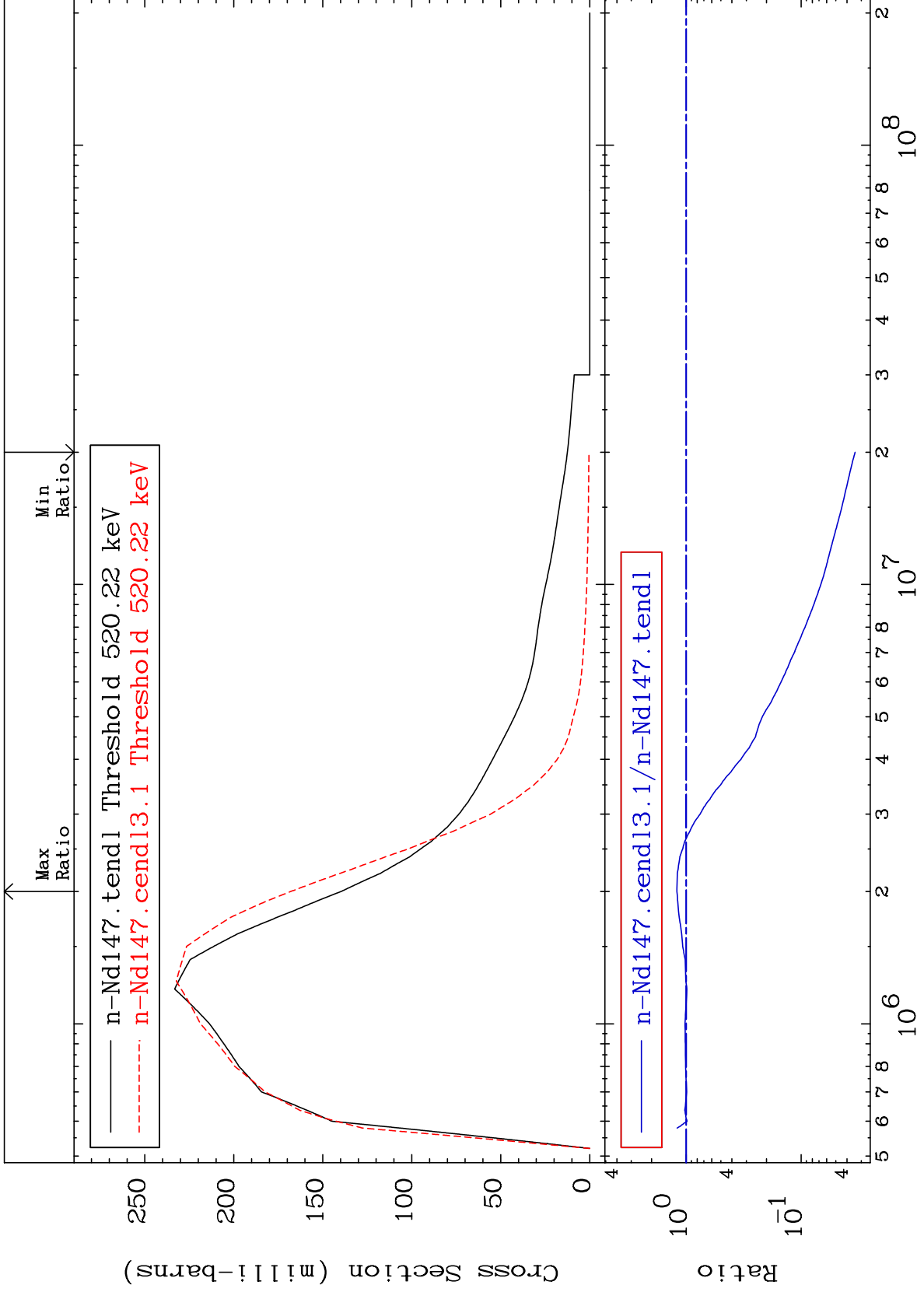
60-Nd-147  
4.428 To 186.2 %



MAT 6040

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

60-Nd-147  
-96.60 To 20.24 %



14

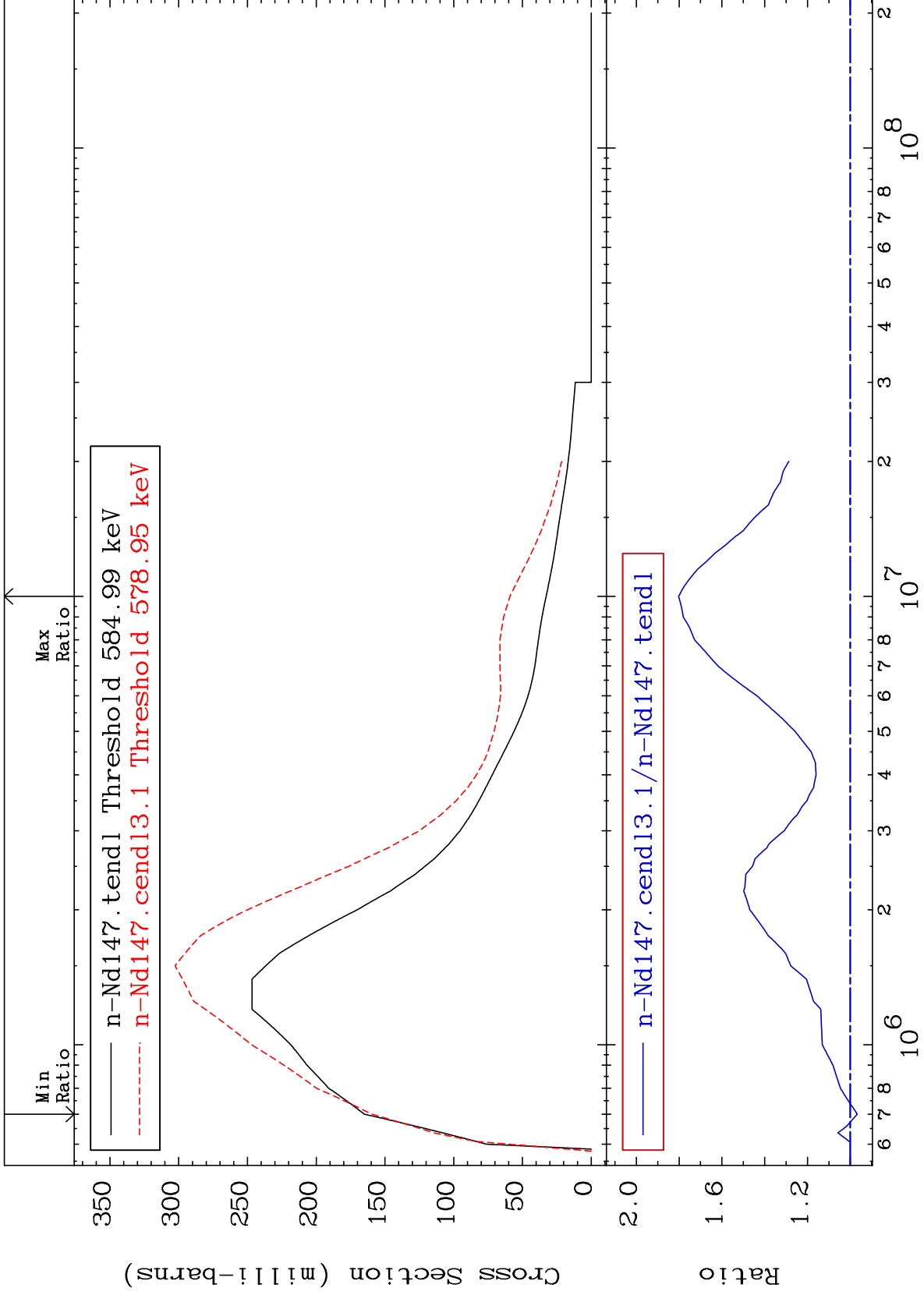
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
-3.267 To 80.23 %



15

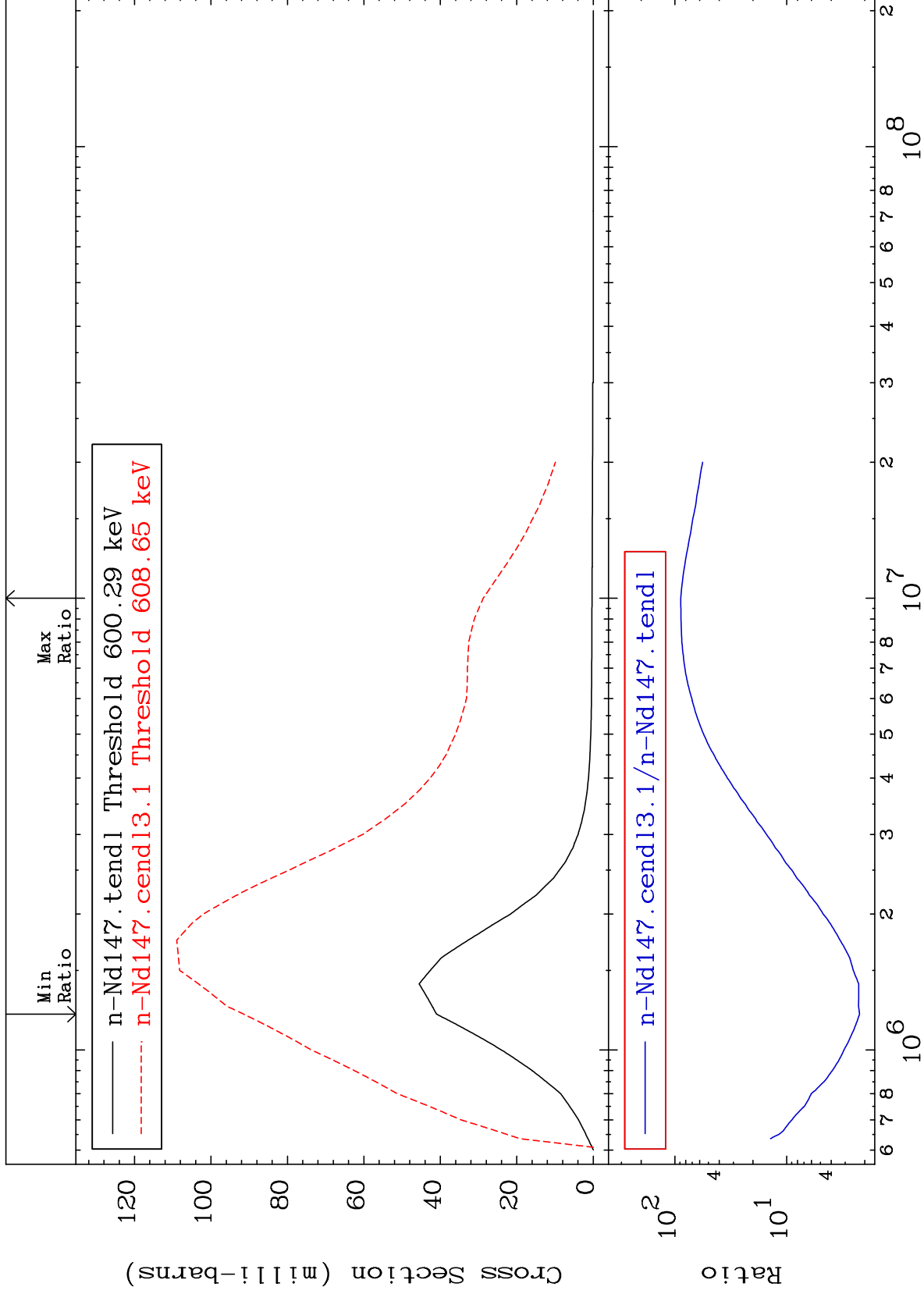
Incident Energy (eV)

60-Nd-147

MAT 6040

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

60-Nd-147  
123.0 To 8746. %



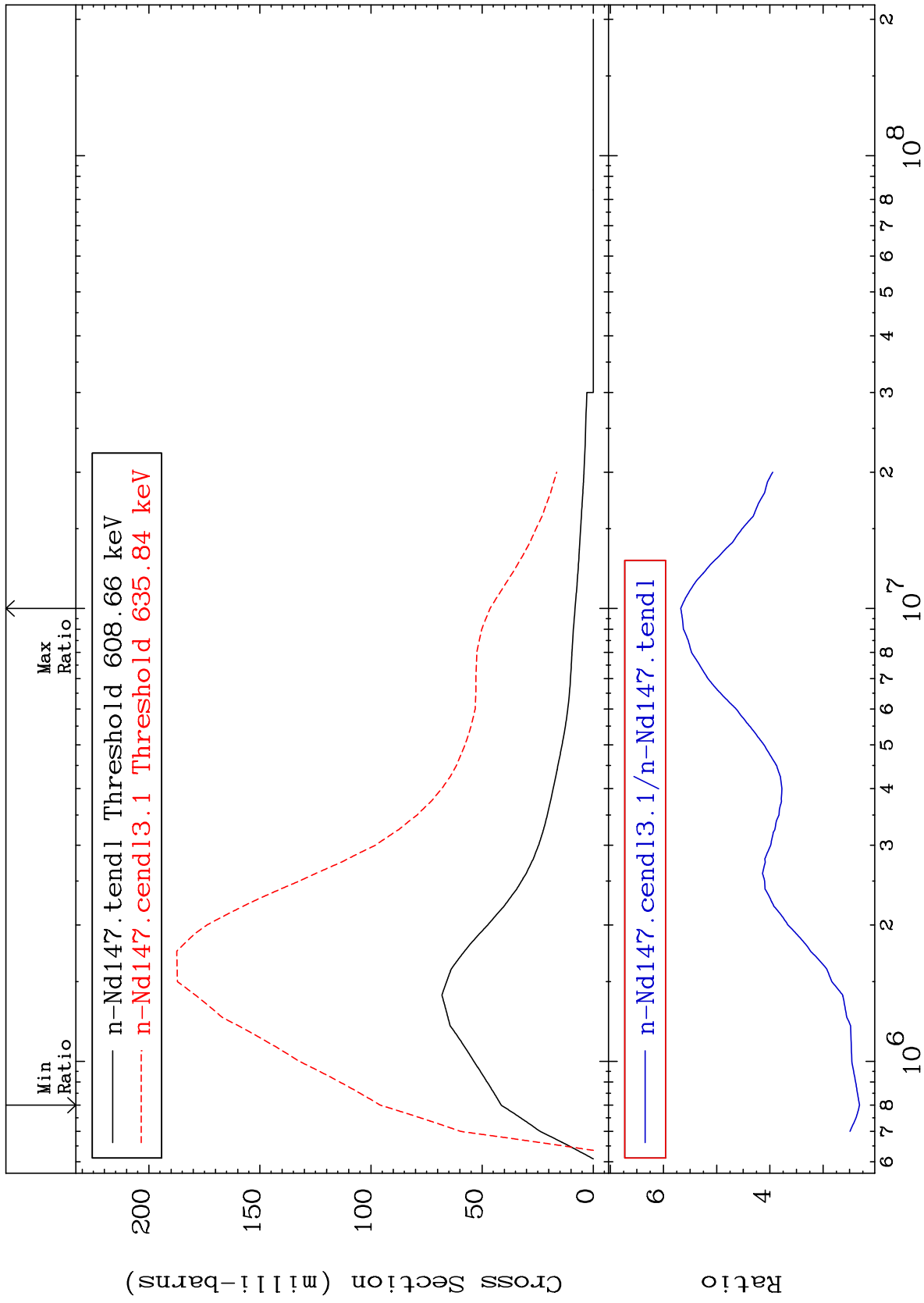
16

Incident Energy (eV)

60-Nd-147



MAT 6040 MT= 60 (n,n') Level Cross Section 60-Nd-147 131.4 To 467.5 %

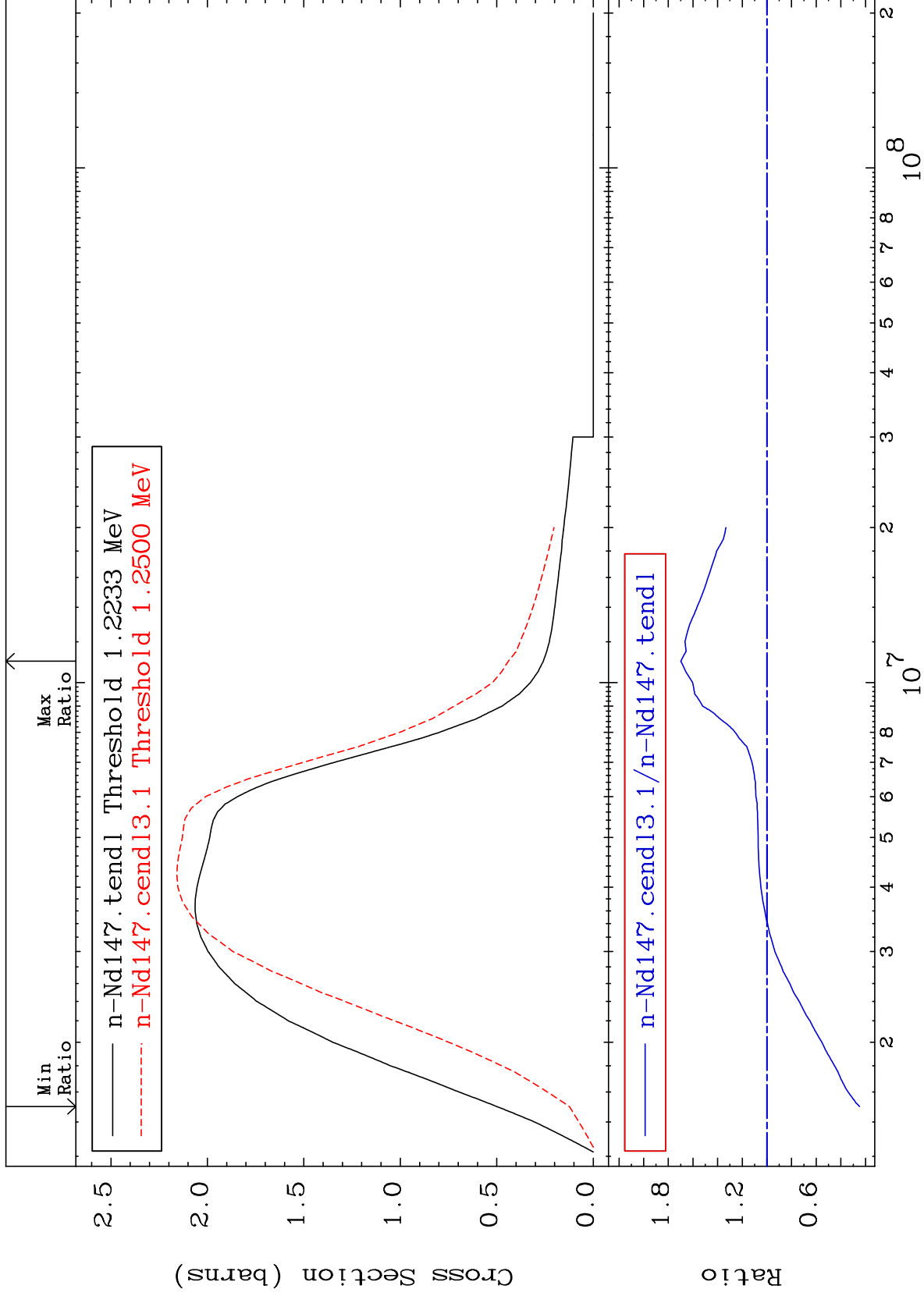


17 Incident Energy (eV) 60-Nd-147

MAT 6040

(n, n') Continuum  
Cross Section

60-Nd-147  
-75.15 To 69.89 %



18

Incident Energy (eV)

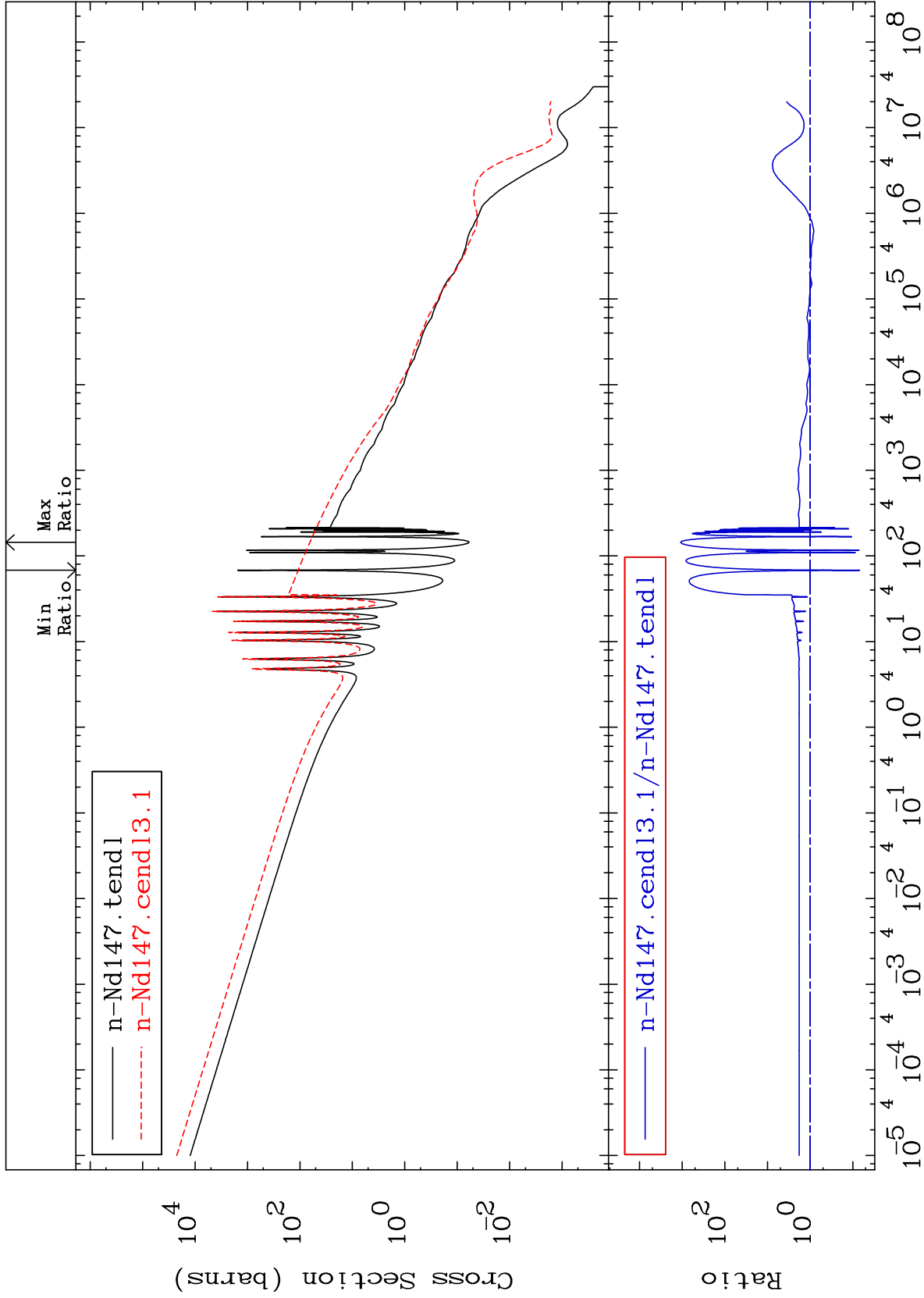
60-Nd-147

MAT 6040

60-Nd-147

-93.04 To 9999. %

(n,  $\gamma$ )  
Cross Section



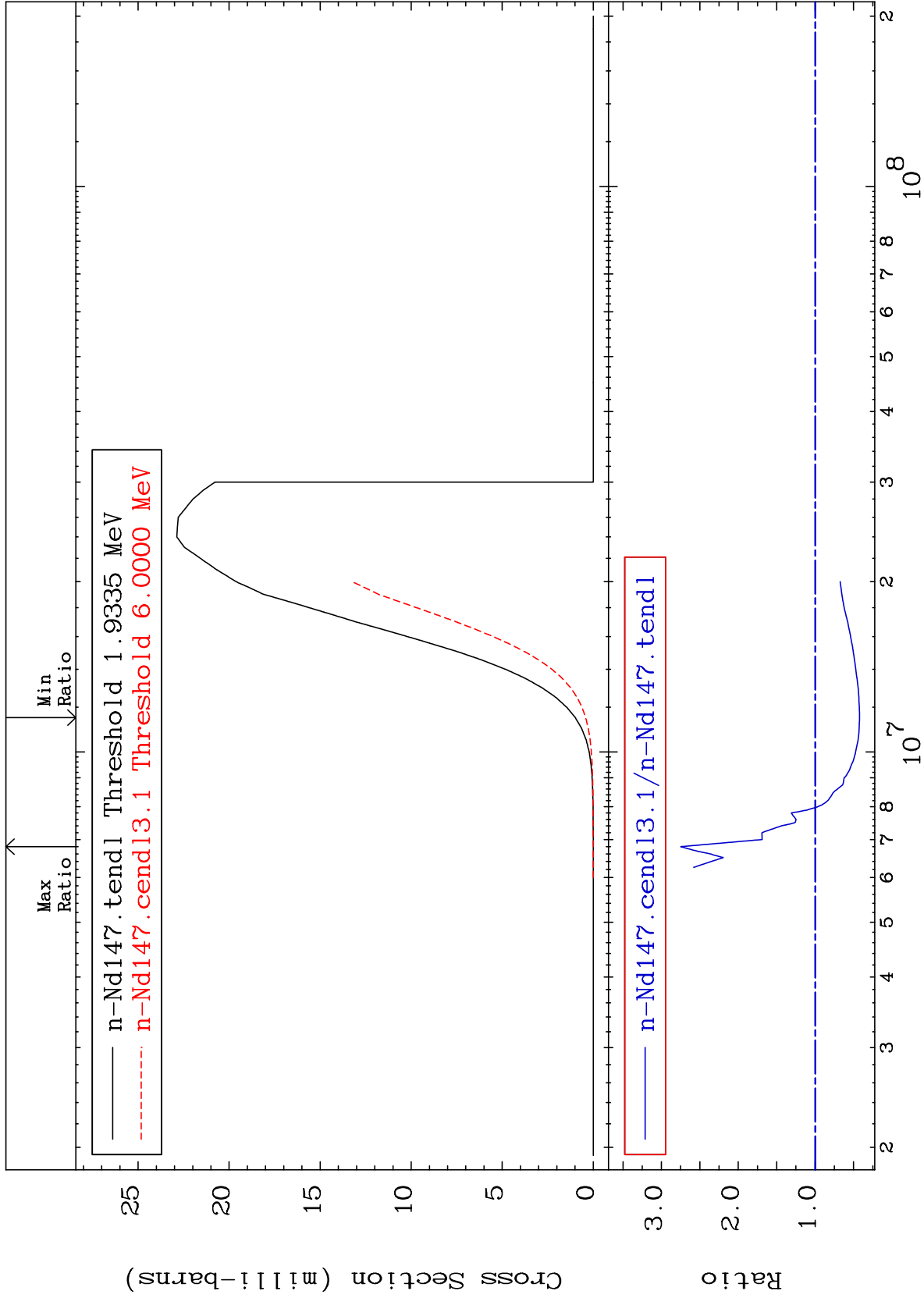
MAT 6040

(n, p)

60-Nd-147

Cross Section

-57.75 To 174.8 %



20

Incident Energy (eV)

60-Nd-147

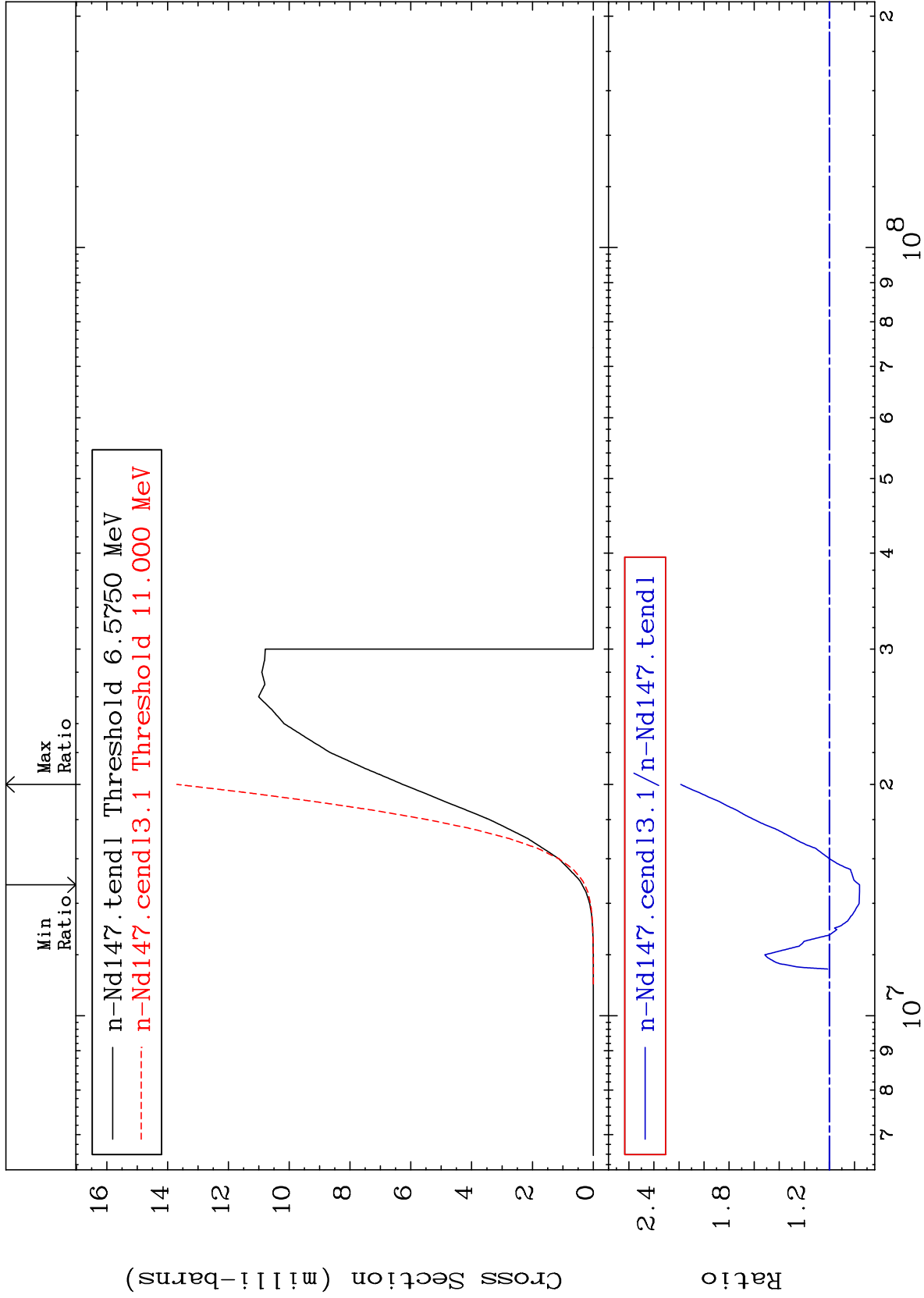
MAT 6040

(n, d)

60-Nd-147

Cross Section

-24.06 To 118.6 %



21

Incident Energy (eV)

60-Nd-147

MAT 6040

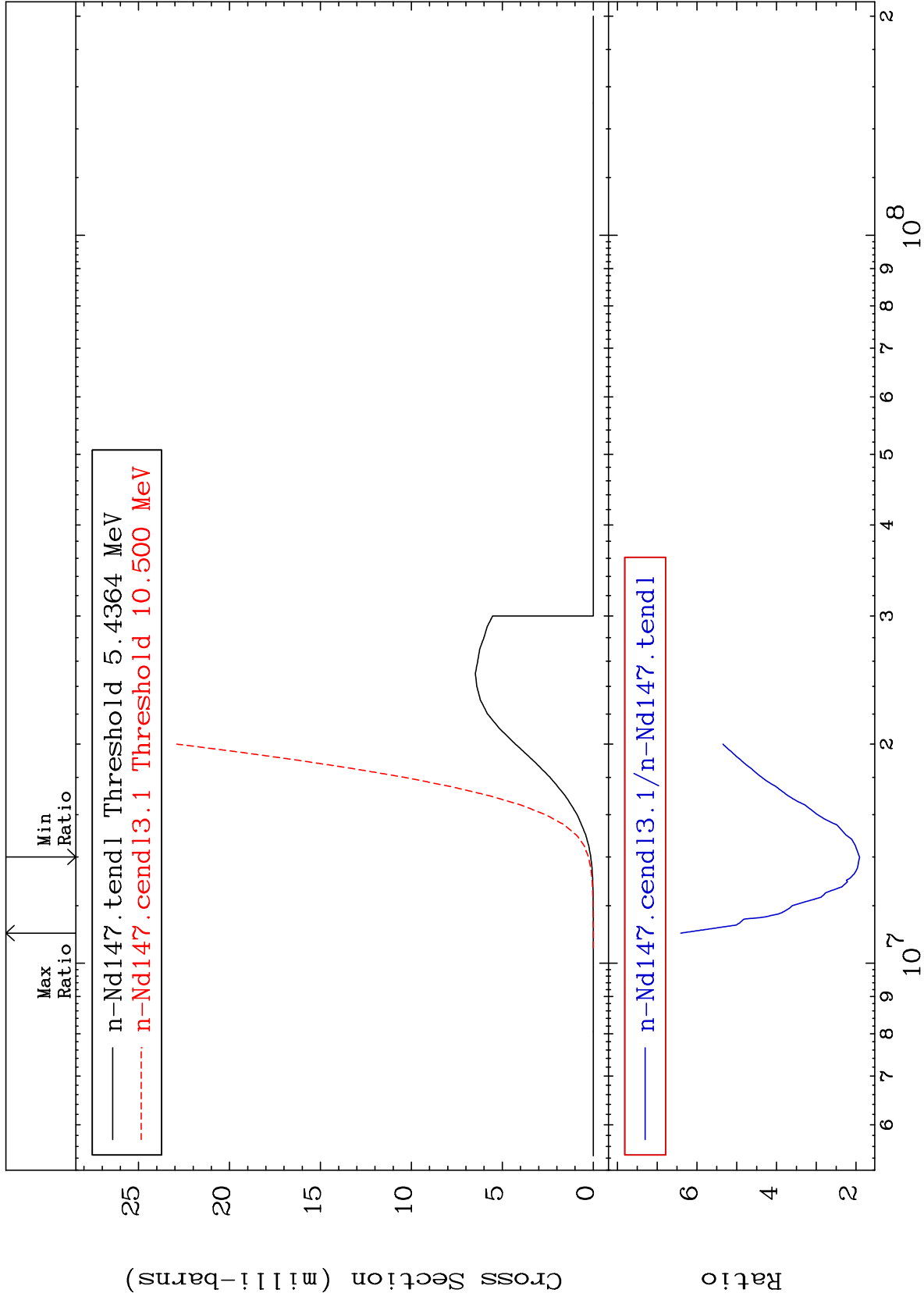
(n, t)

60-Nd-147

Cross Section

91.28

To 540.6 %



22

Incident Energy (eV)

60-Nd-147

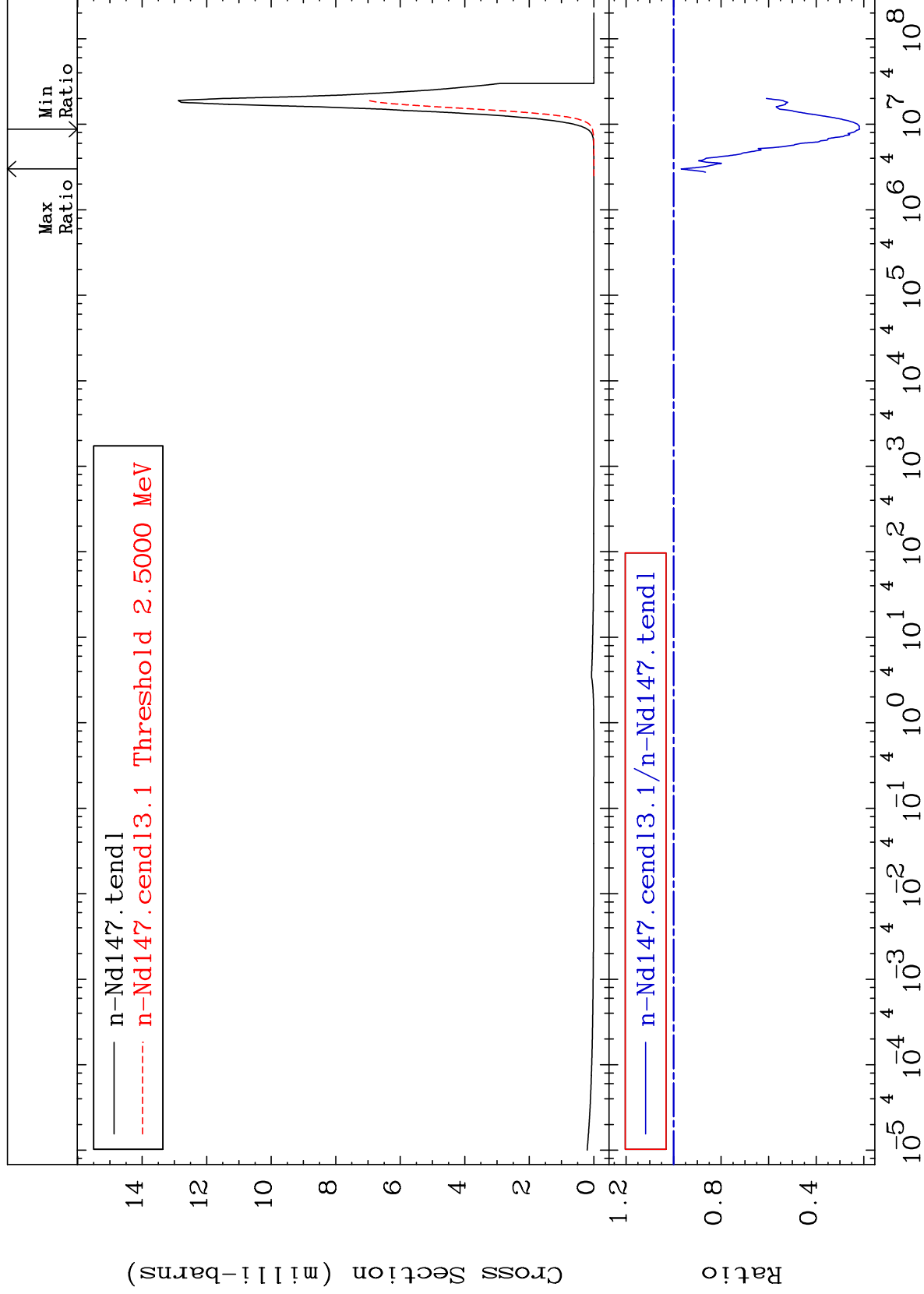
MAT 6040

(n,  $\alpha$ )

60-Nd-147

Cross Section

-78.28 To -3.203%



23

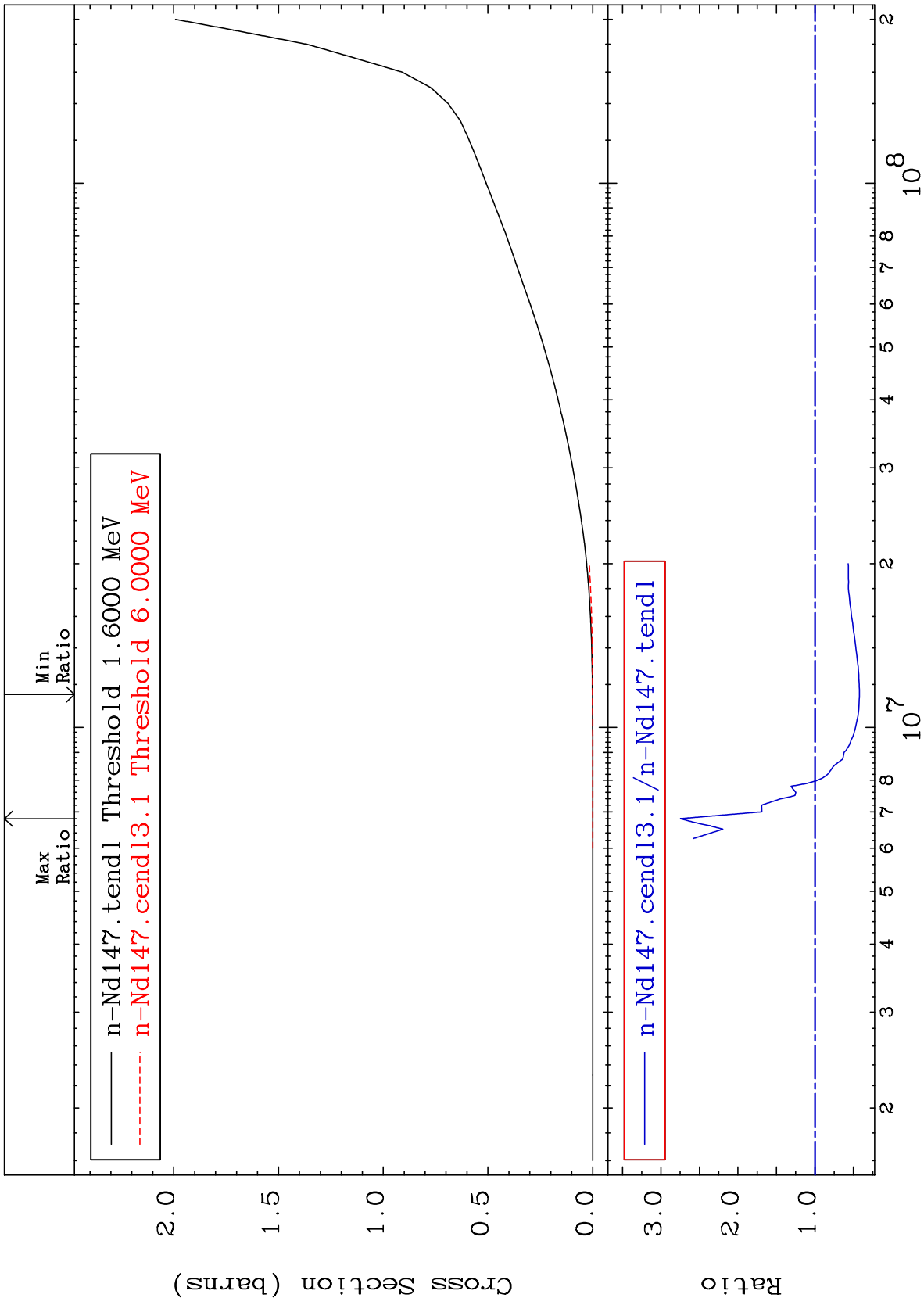
Incident Energy (eV)

60-Nd-147

MAT 6040

Hydrogen Production  
Cross Section

60-Nd-147  
-57.75 To 174.8 %

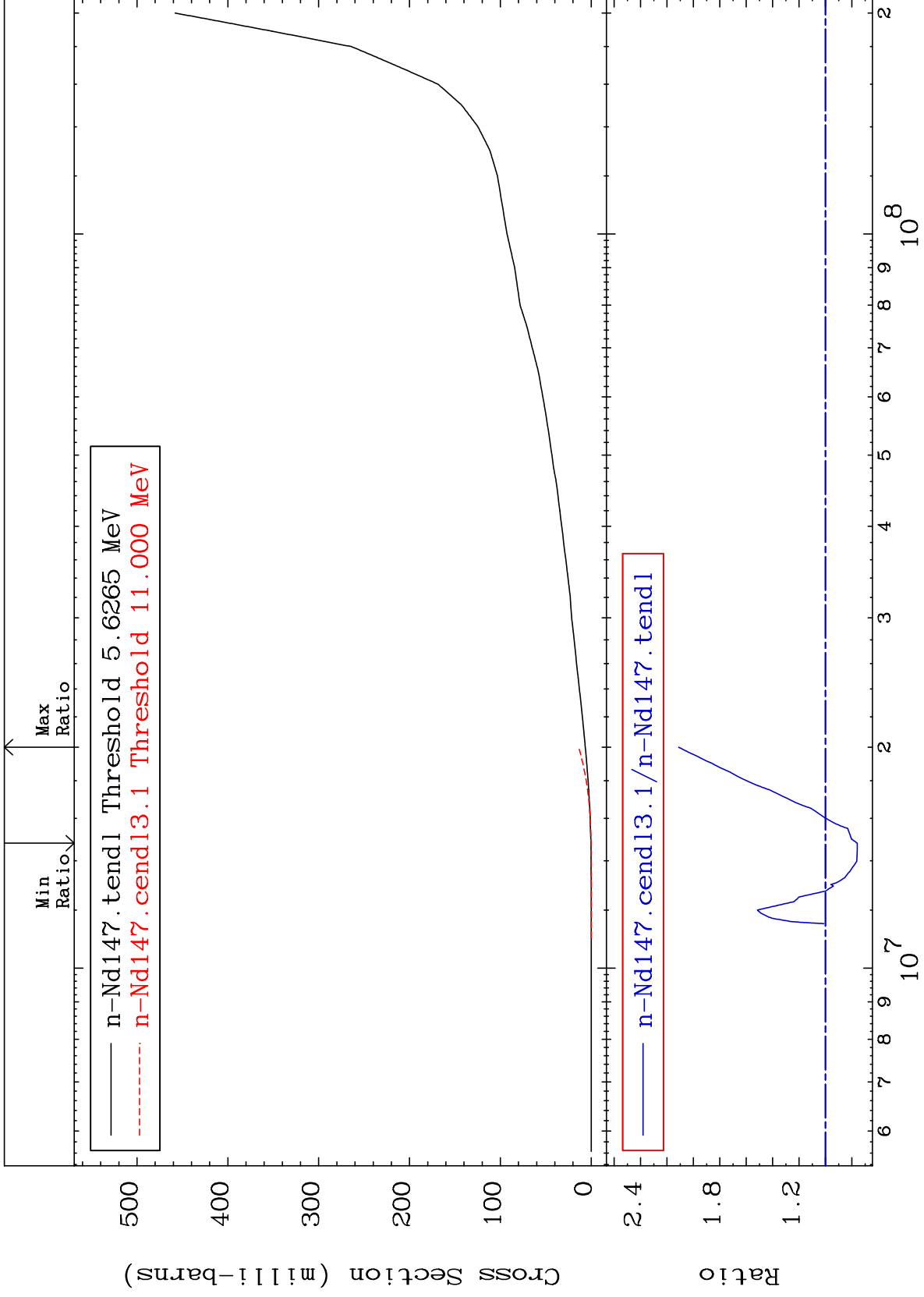




MAT 6040

Deuterium Production  
Cross Section

60-Nd-147  
-24.06 To 111.2 %



25

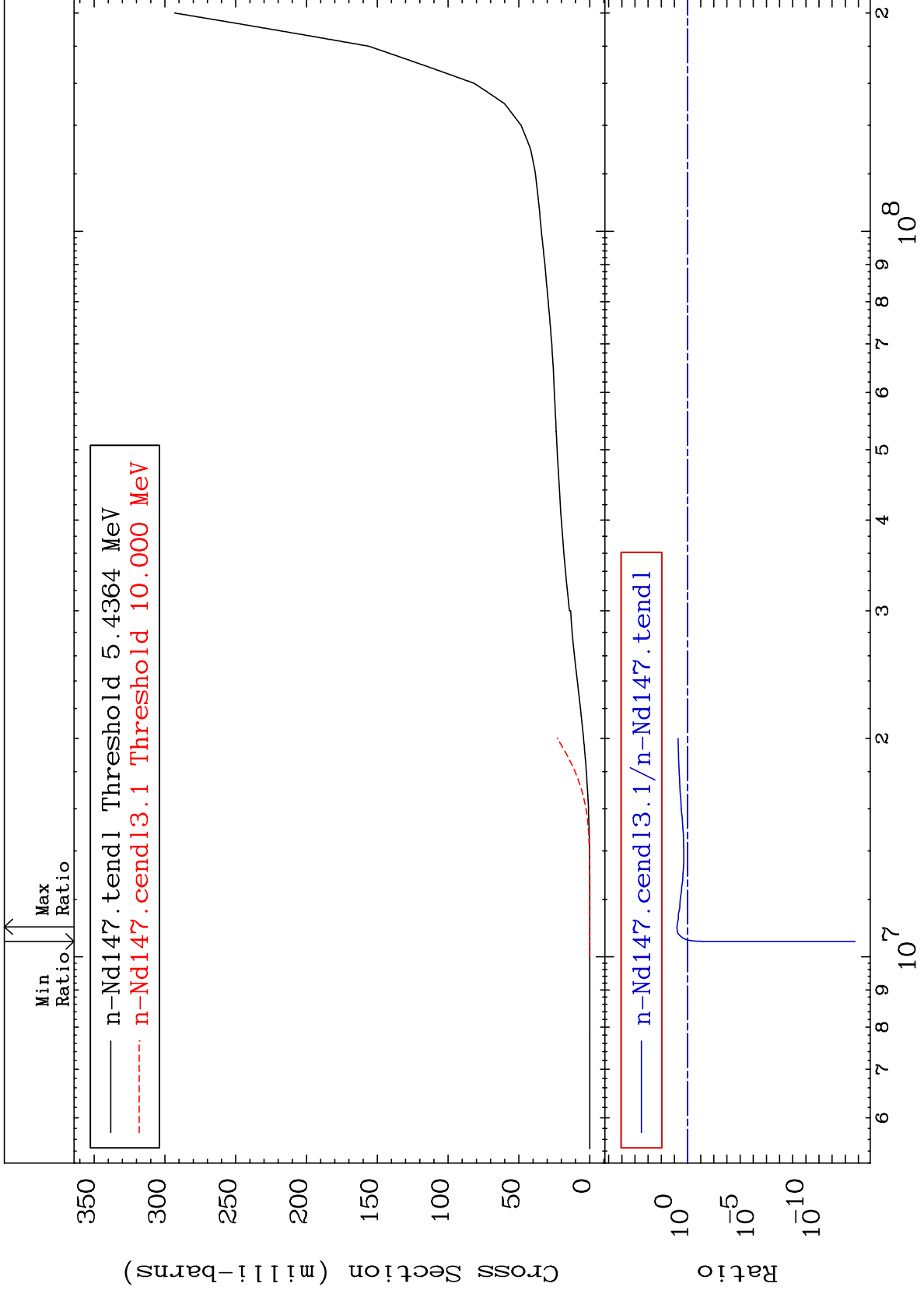
Incident Energy (eV)

60-Nd-147

MAT 6040

Tritium Production  
Cross Section

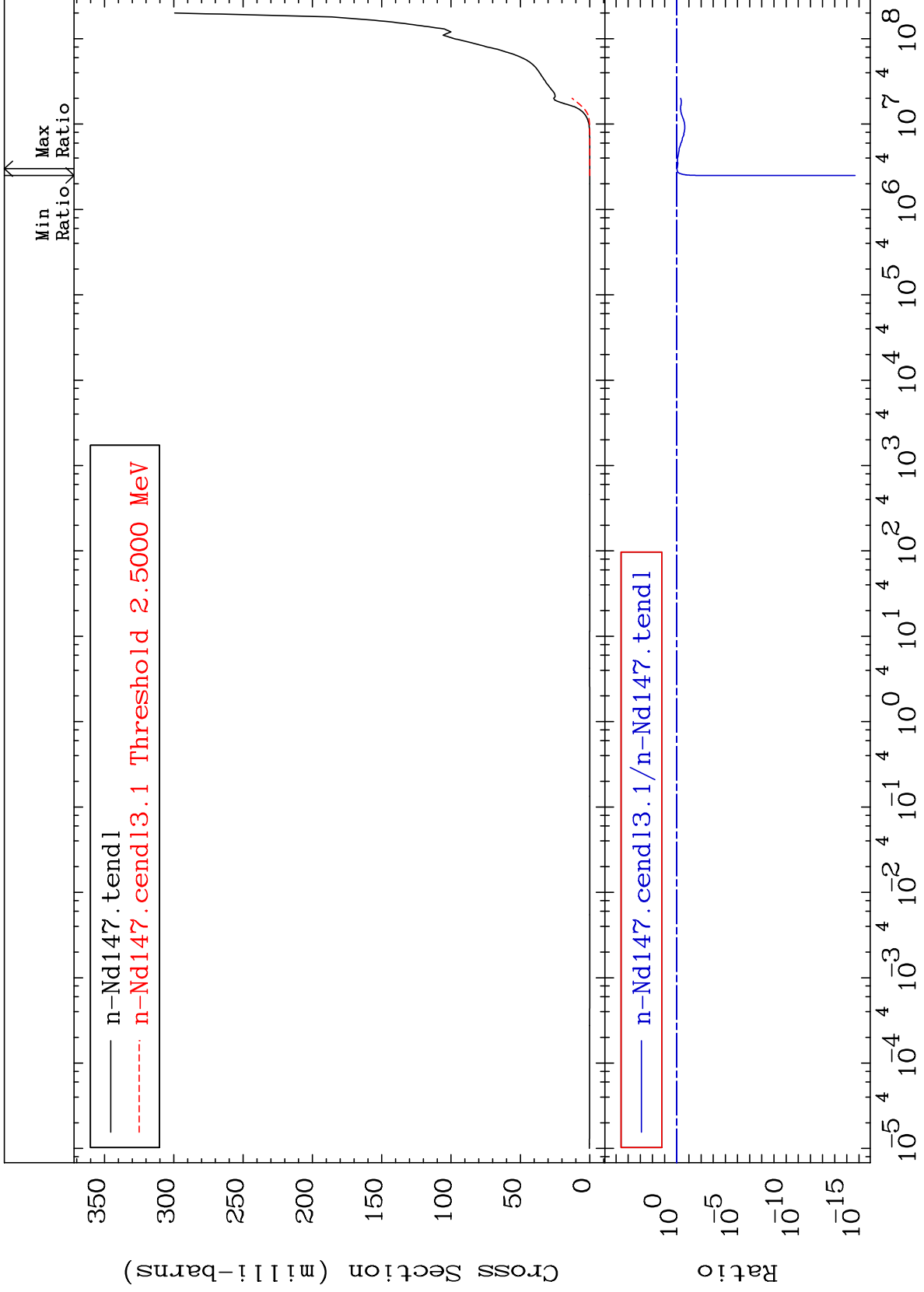
60-Nd-147  
-100.0 To 540.6 %



MAT 6040

He-4 Production  
Cross Section

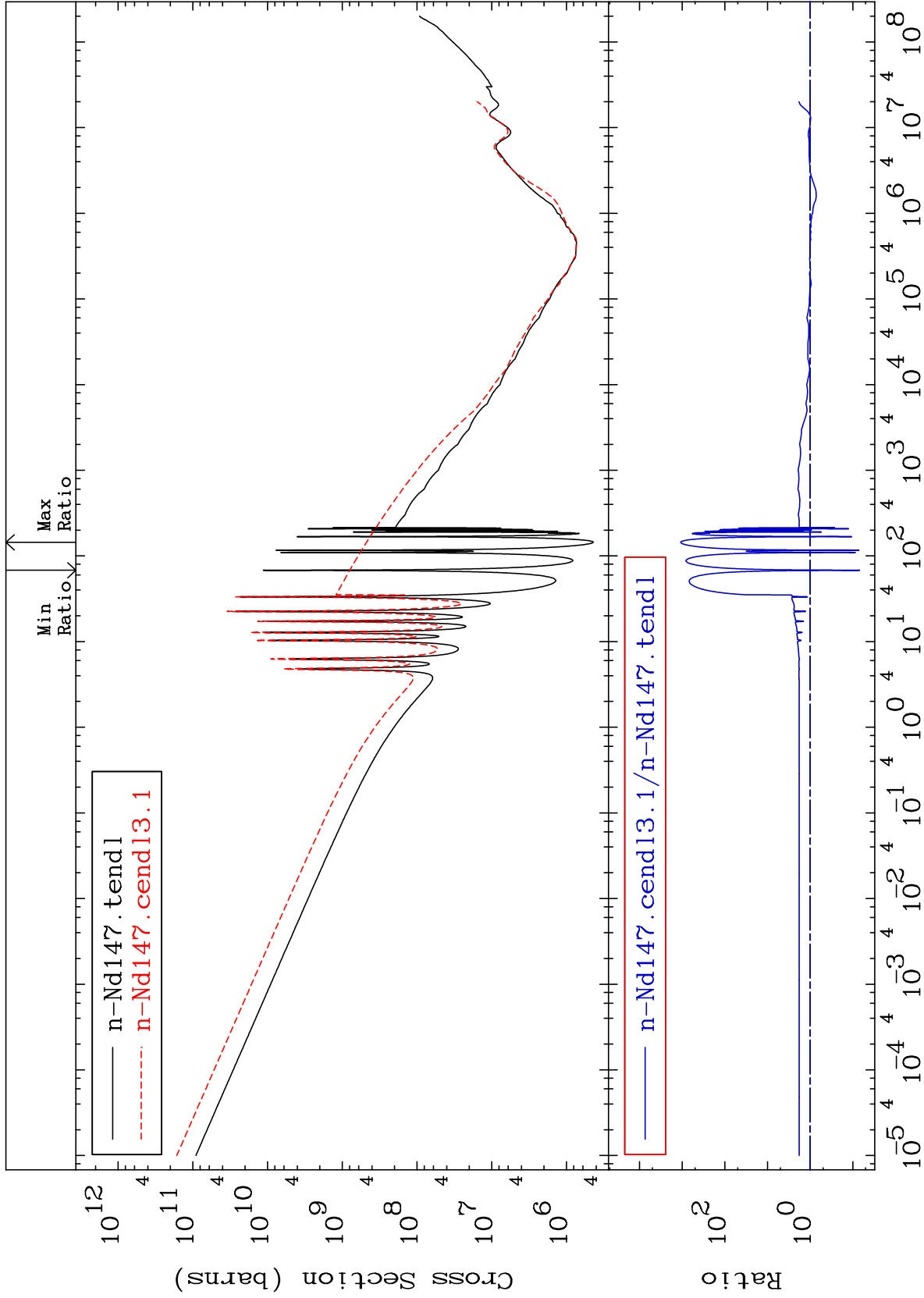
60-Nd-147  
-100.0 To -3.203%



27

Incident Energy (eV)

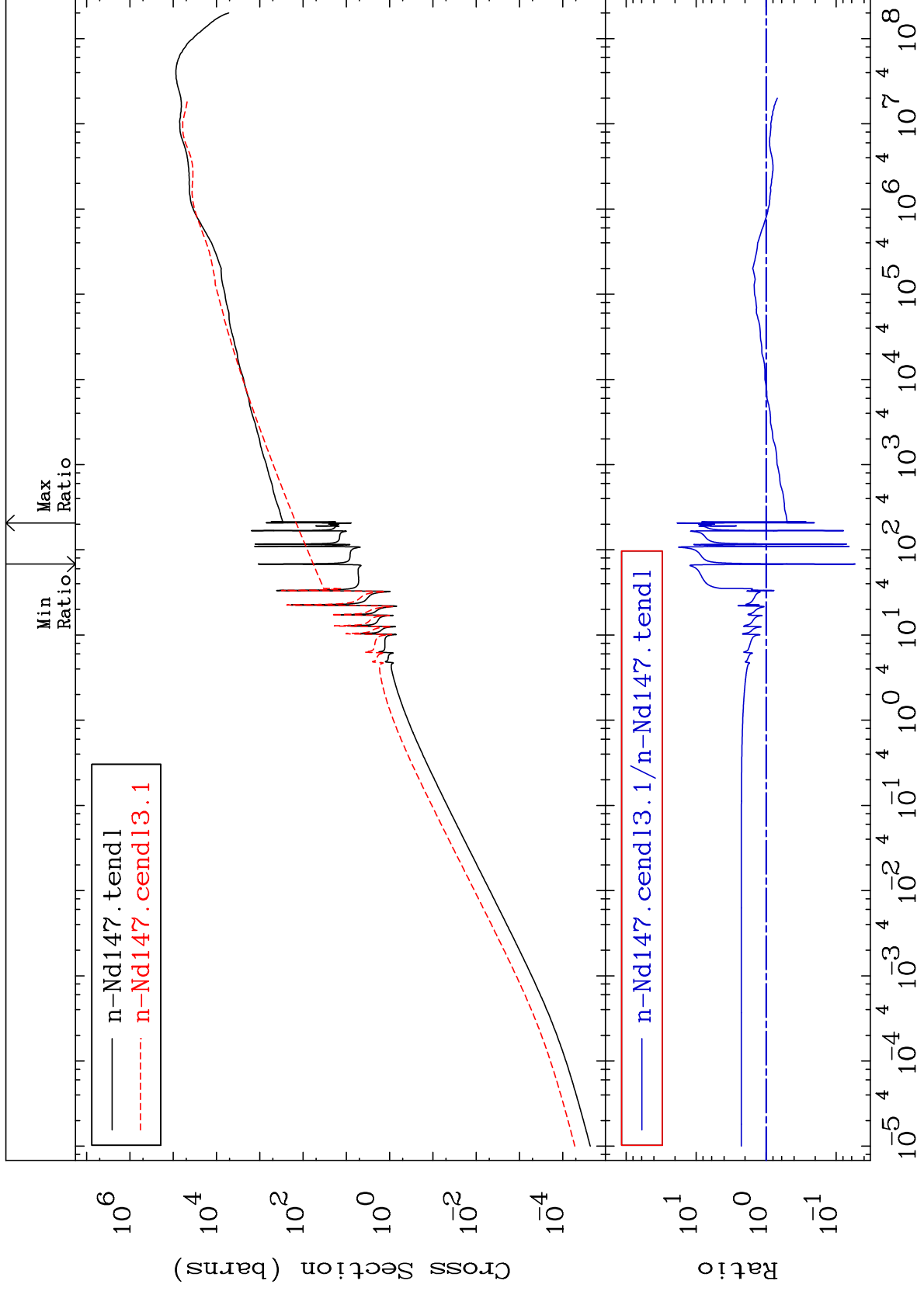
60-Nd-147

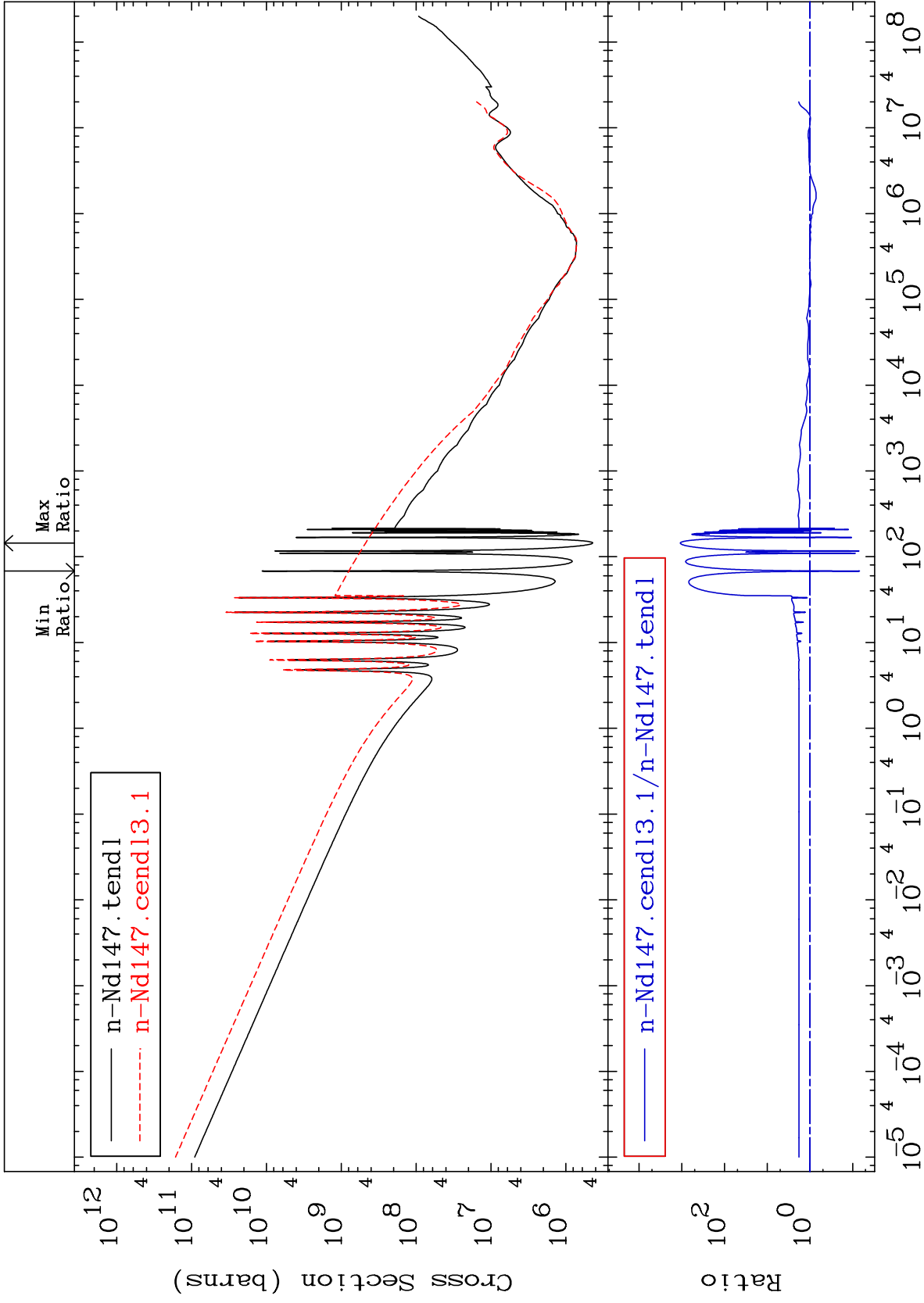


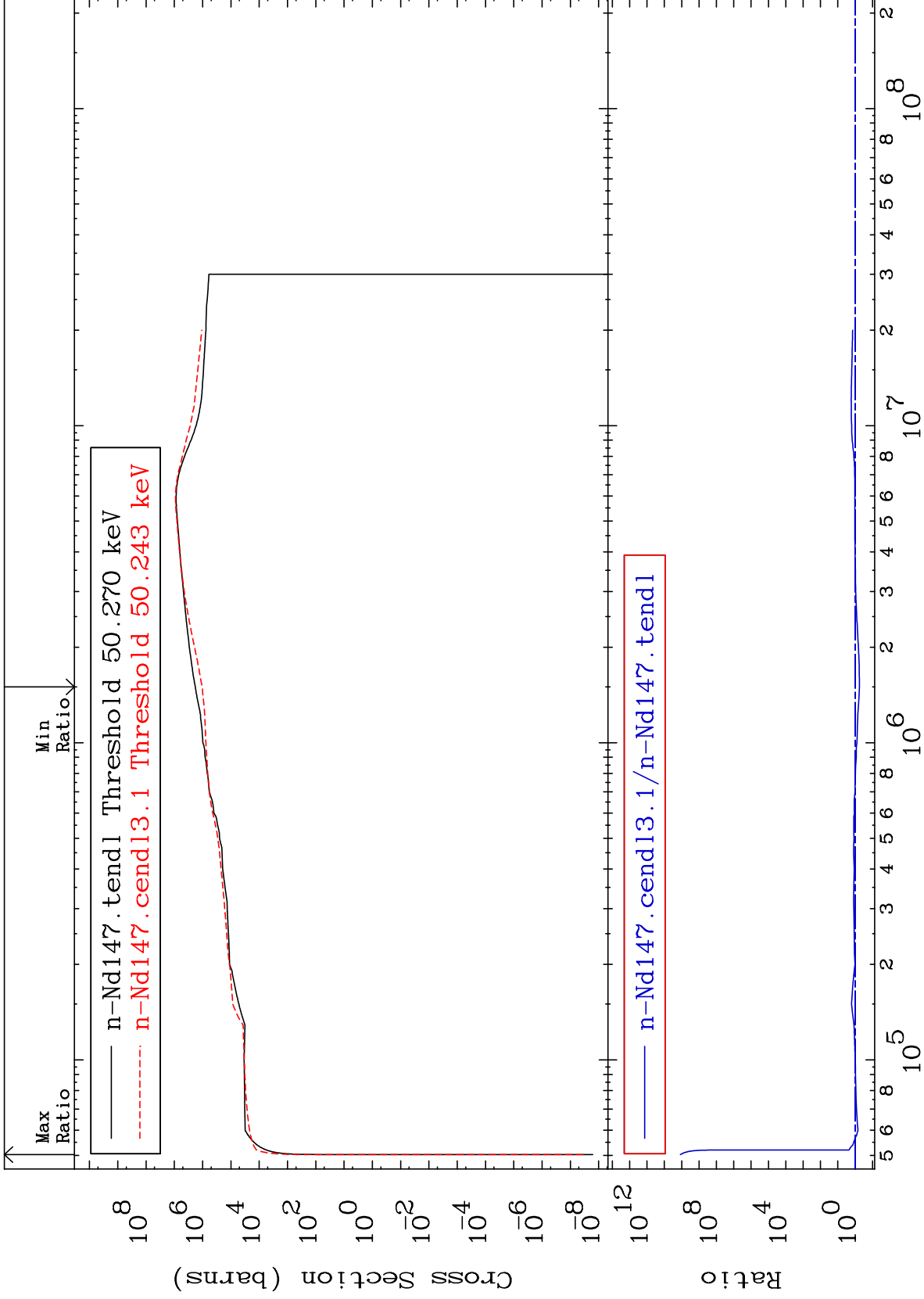
MAT 6040

Kerma elastic  
Cross Section

60-Nd-147  
-94.64 To 1756. %



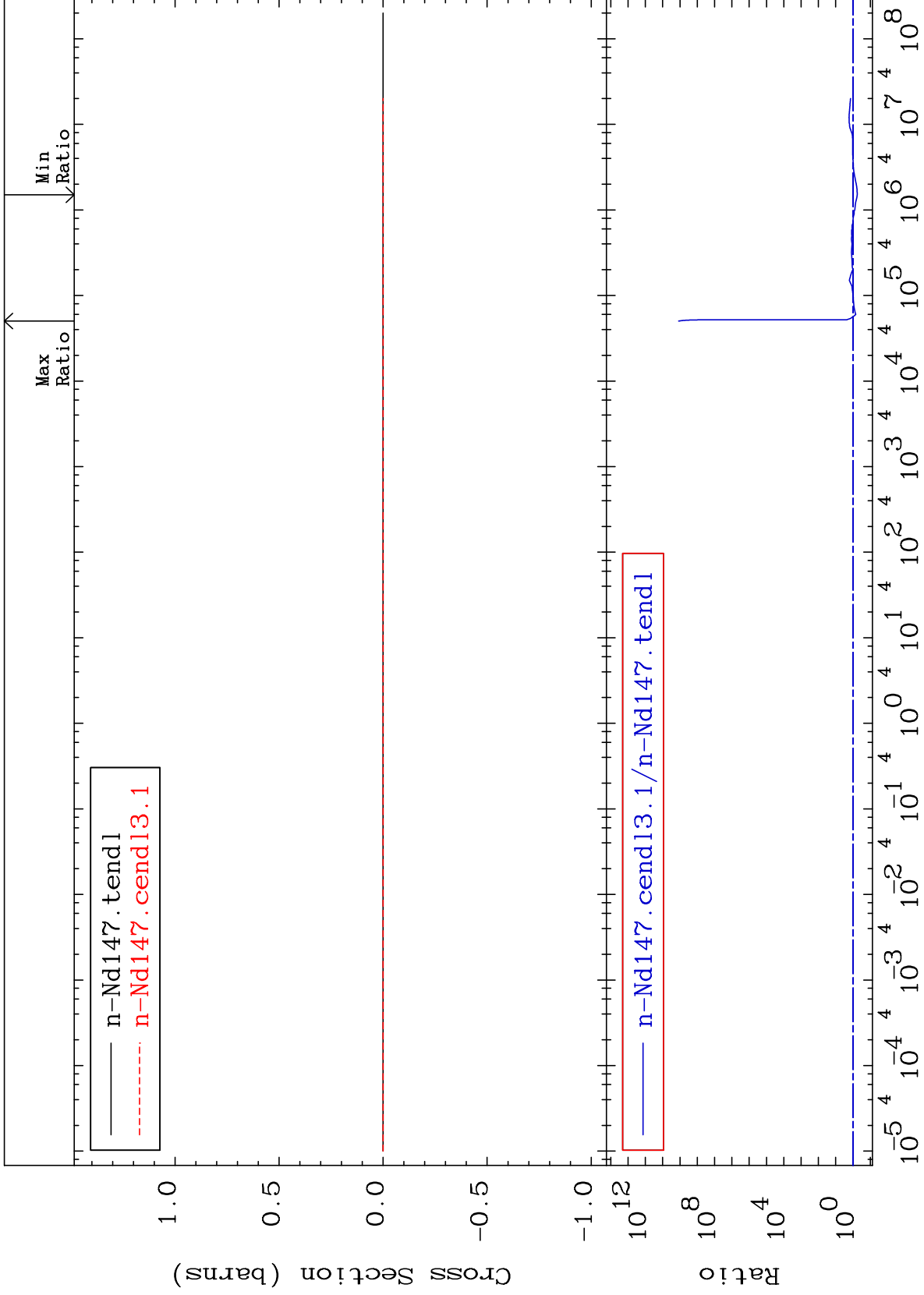




MAT 6040

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

60-Nd-147  
-43.00 To 9999. %

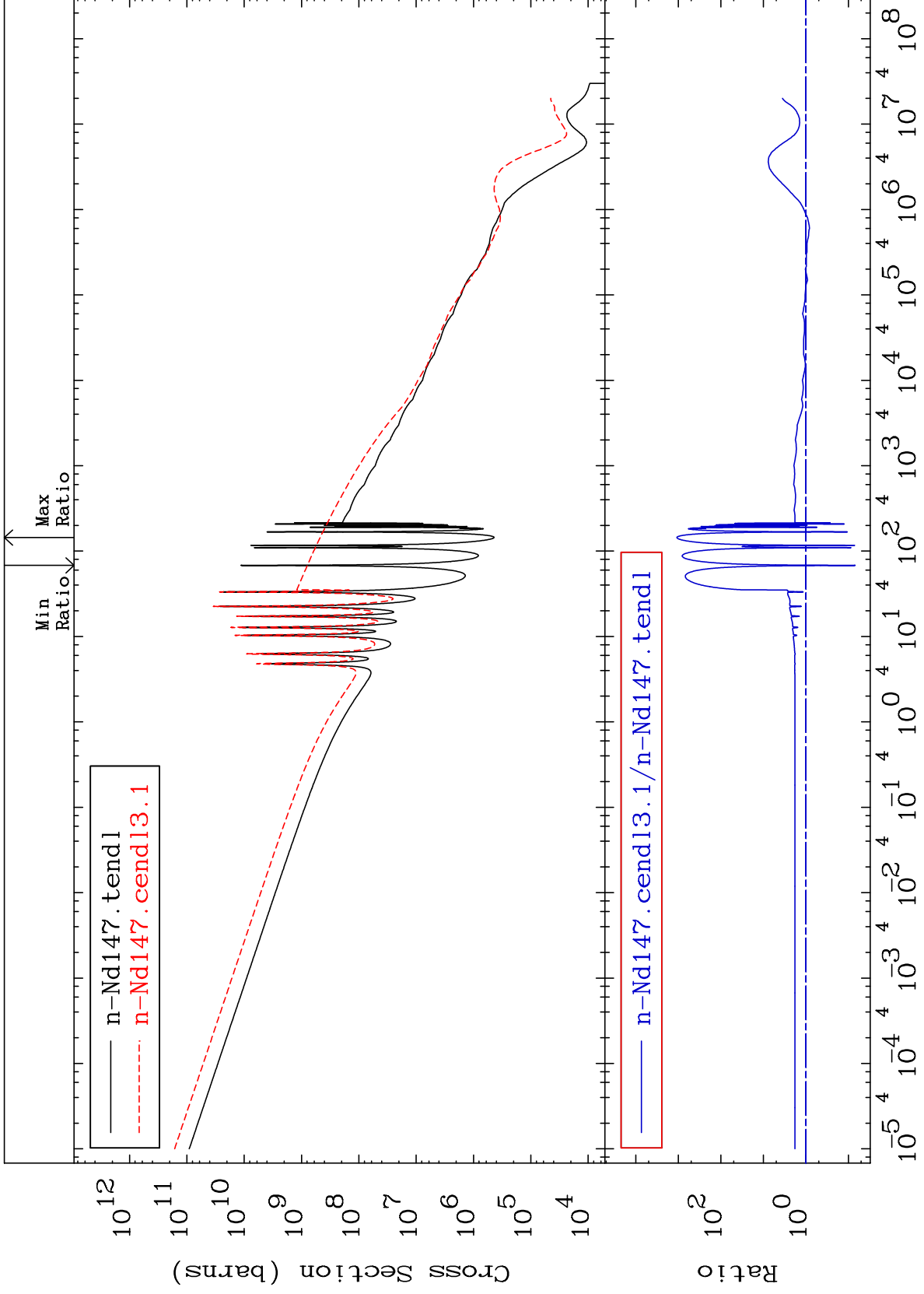


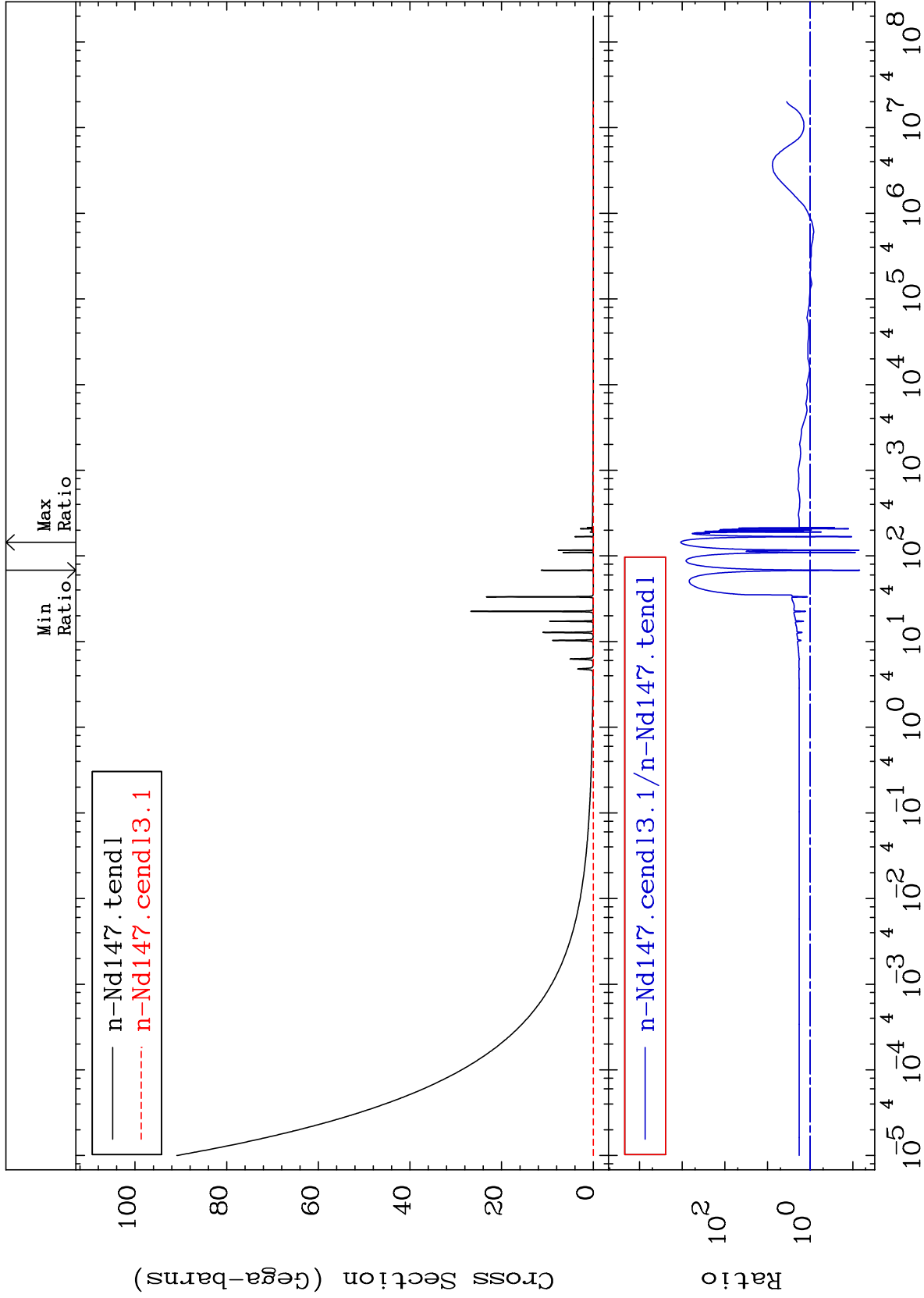


MAT 6040

Kerma capture (mt102)  
Cross Section

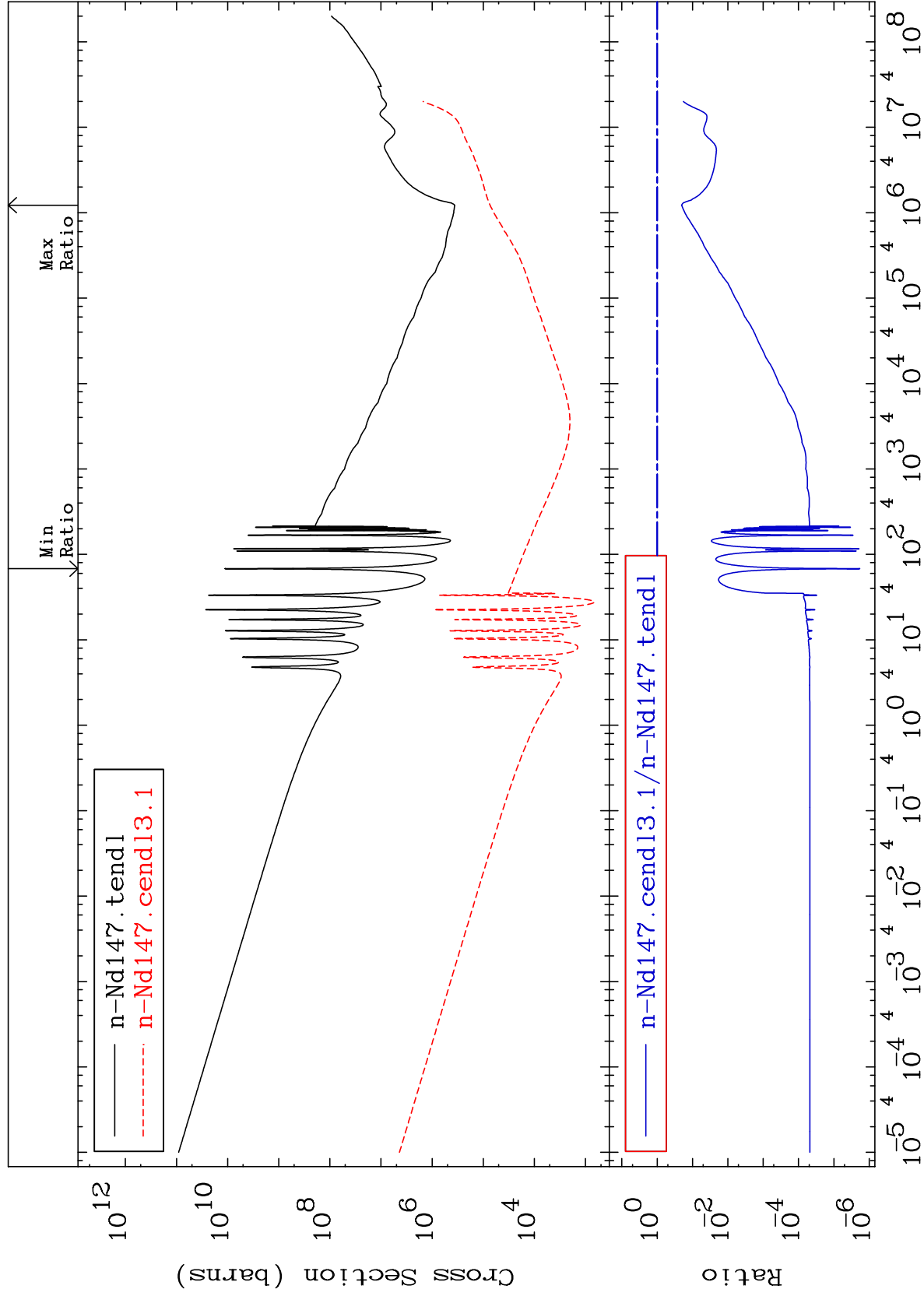
60-Nd-147  
-93.04 To 9999. %

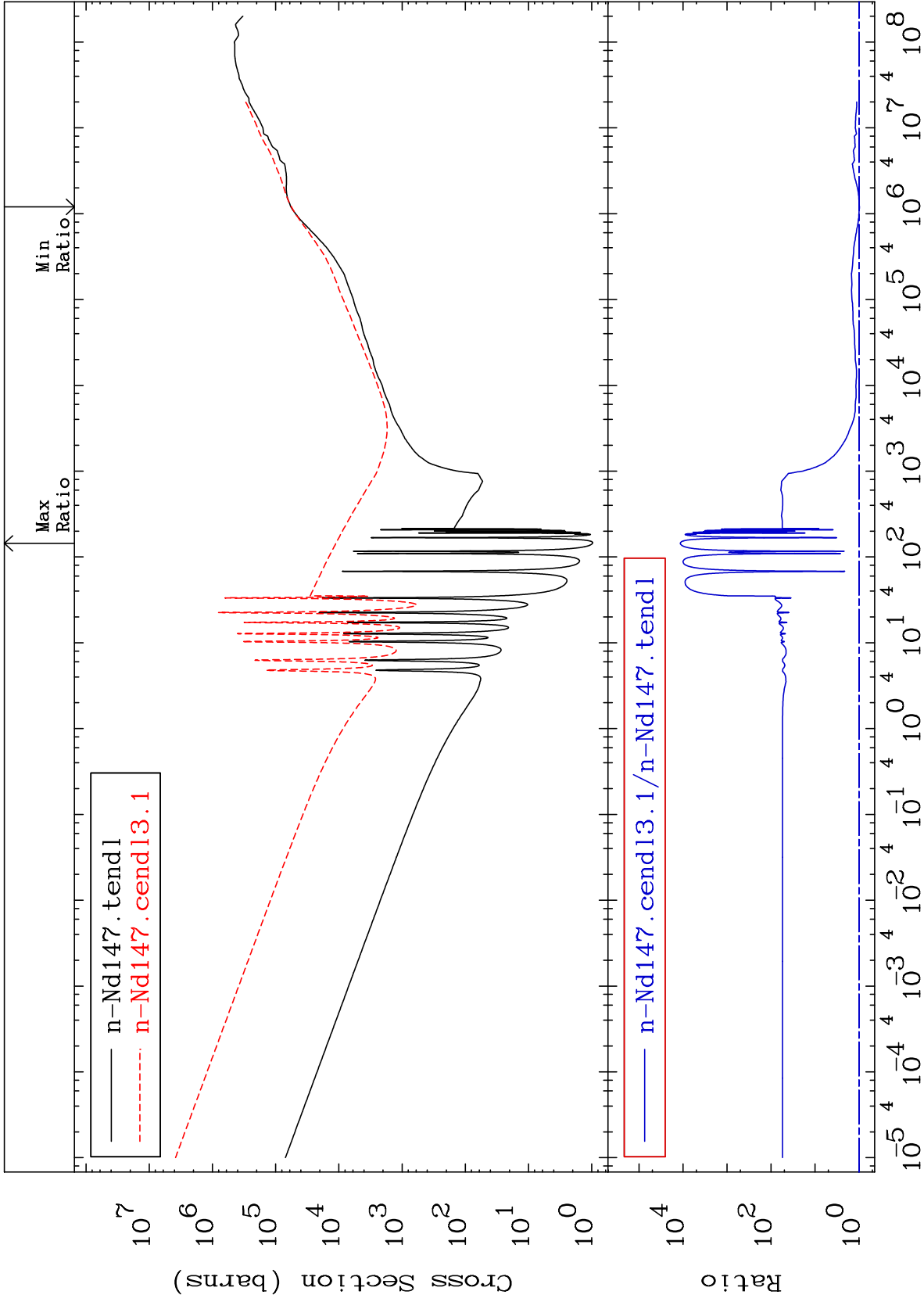




Cross Section

-100.0 To -79.37%

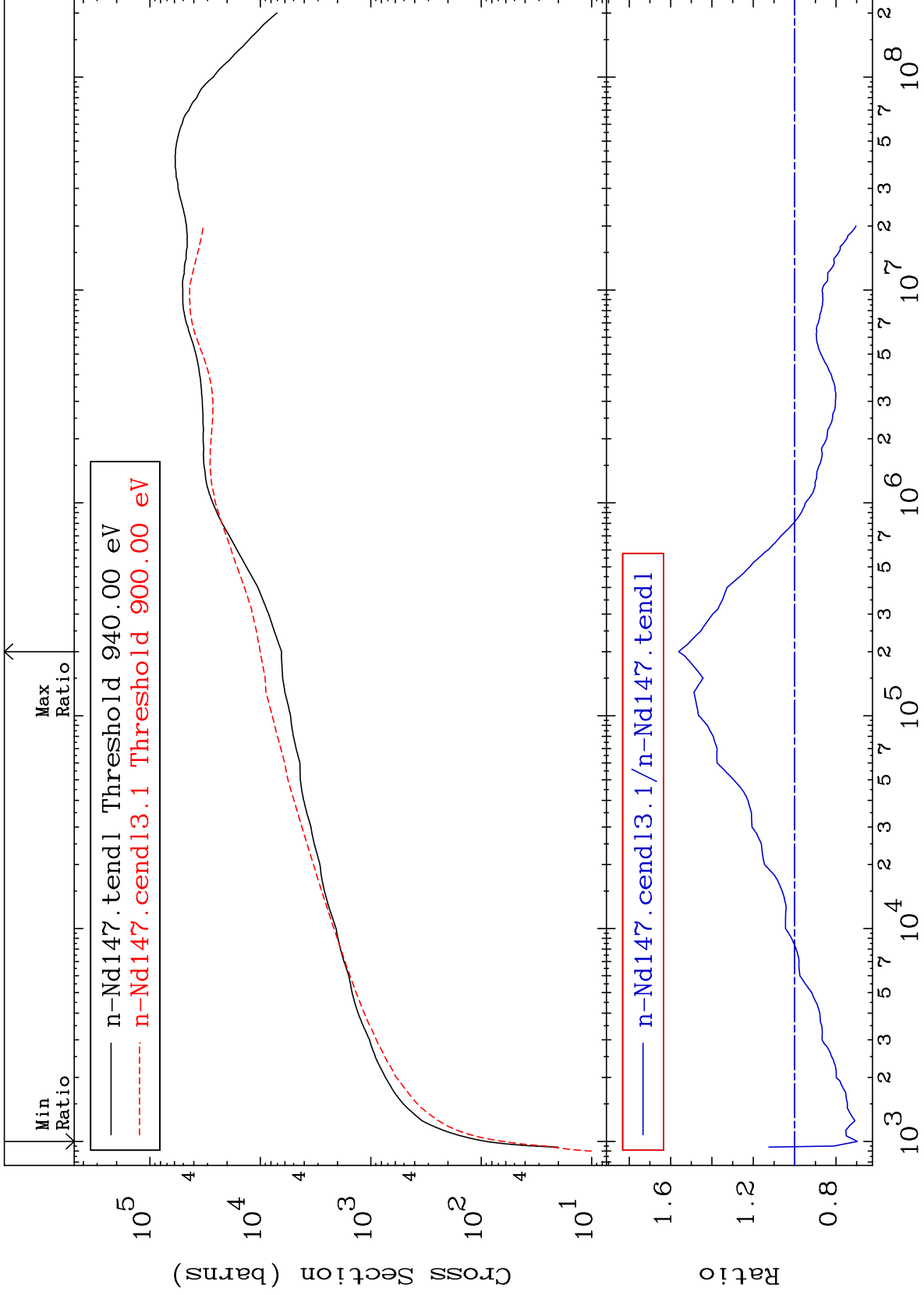




MAT 6040

Dpa elastic (mt2)  
Cross Section

60-Nd-147  
-30.27 To 56.12 %



MAT 6040

Dpa inelastic (mt51-91)  
Cross Section

60-Nd-147  
-30.70 To 9999. %

