

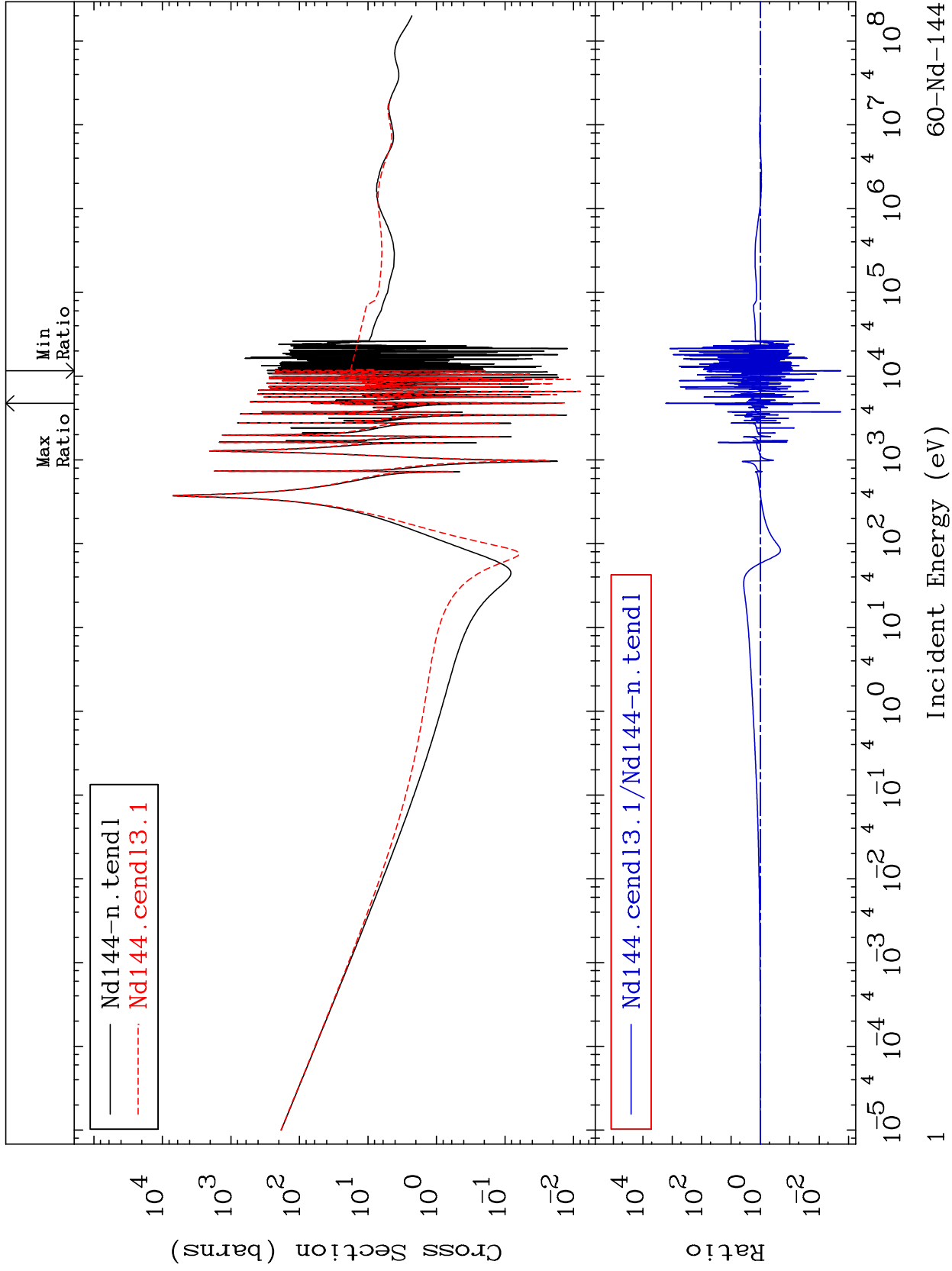
MAT 6031

Total

60-Nd-144

Cross Section

-99.82 To 9999. %



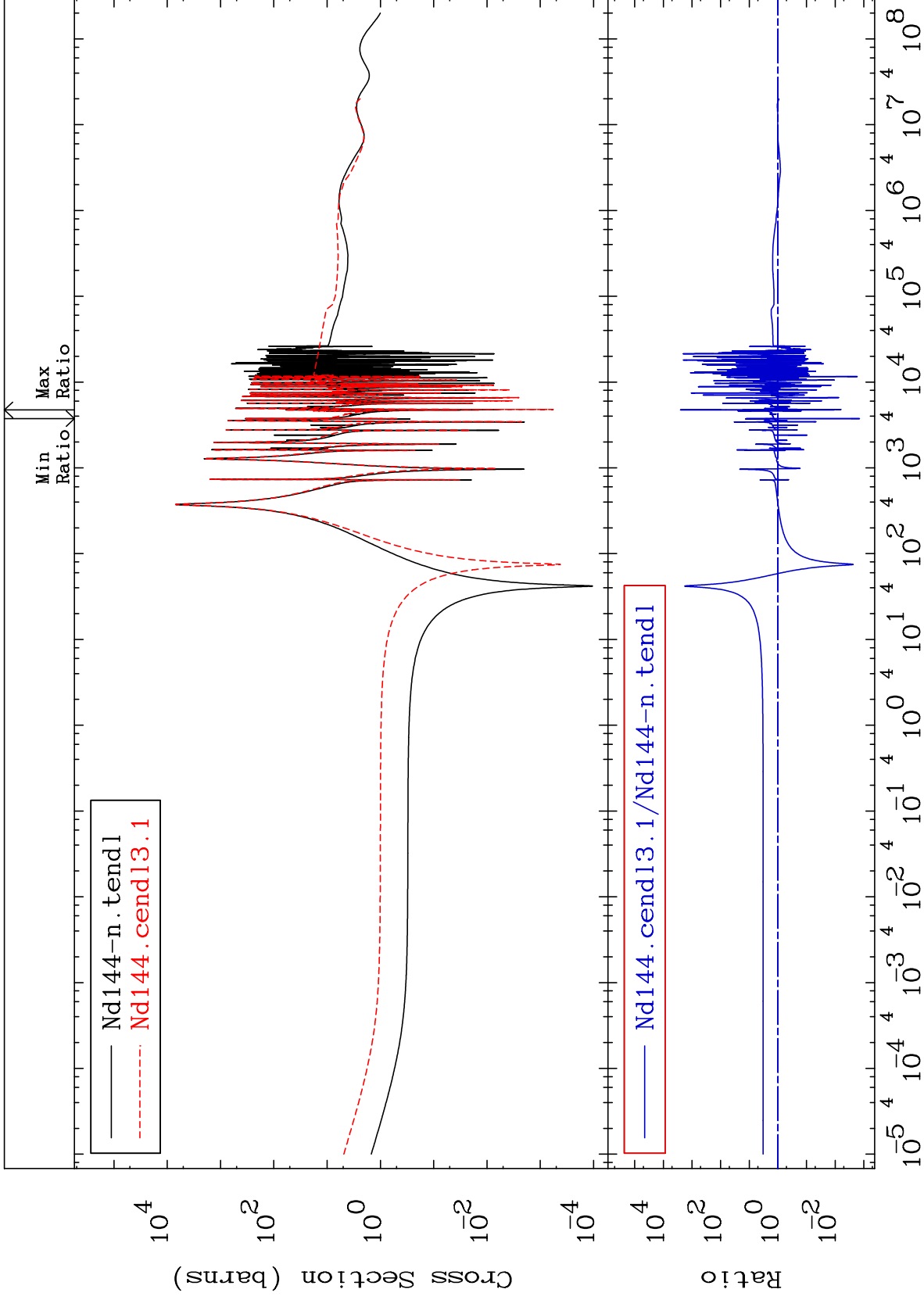
Incident Energy (eV)

60-Nd-144

MAT 6031

Elastic  
Cross Section

60-Nd-144  
-99.86 To 9999. %



Incident Energy (eV)

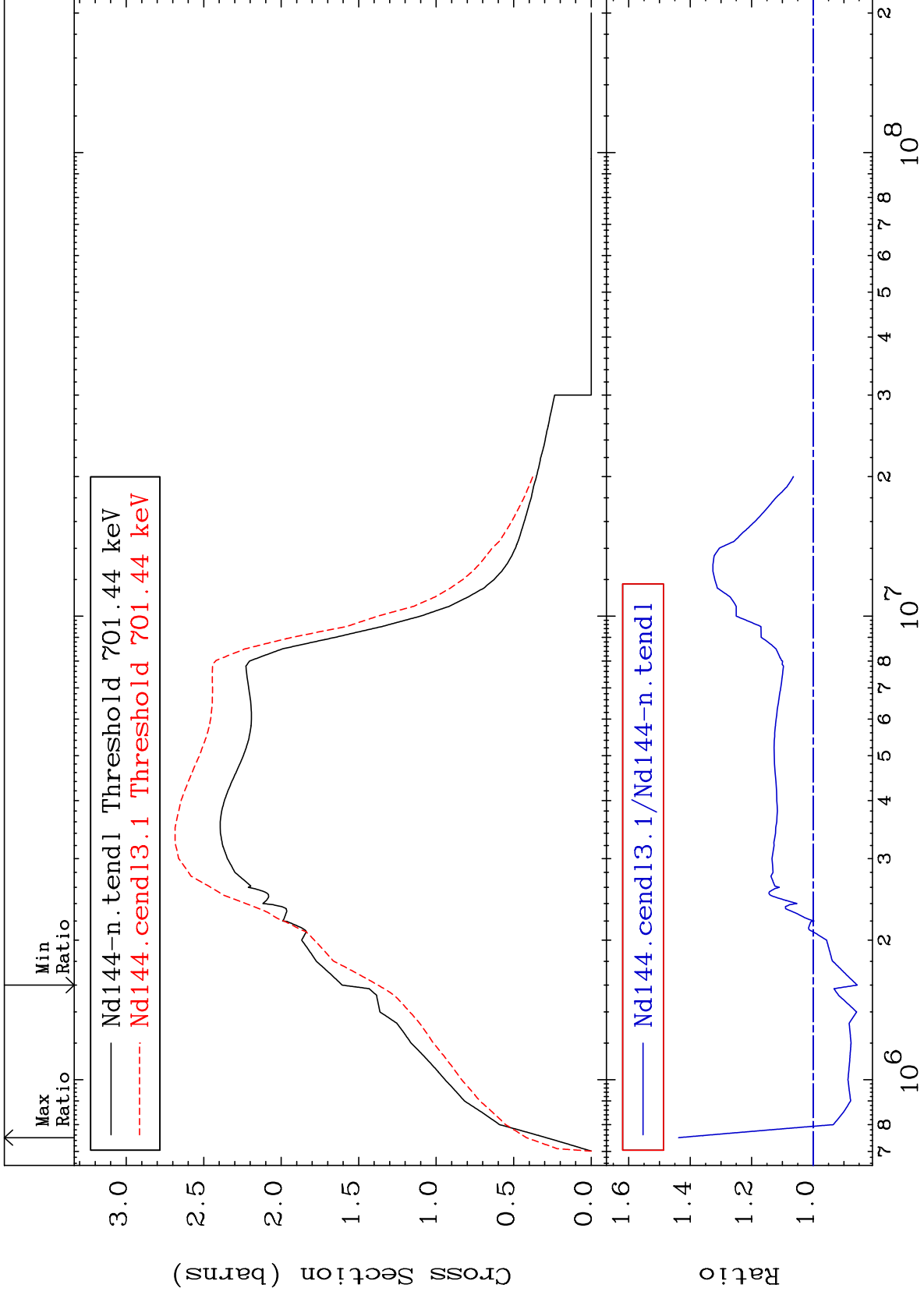
60-Nd-144

2

MAT 6031

Inelastic  
Cross Section

60-Nd-144  
-14.37 To 43.76 %



3

Incident Energy (eV)

60-Nd-144

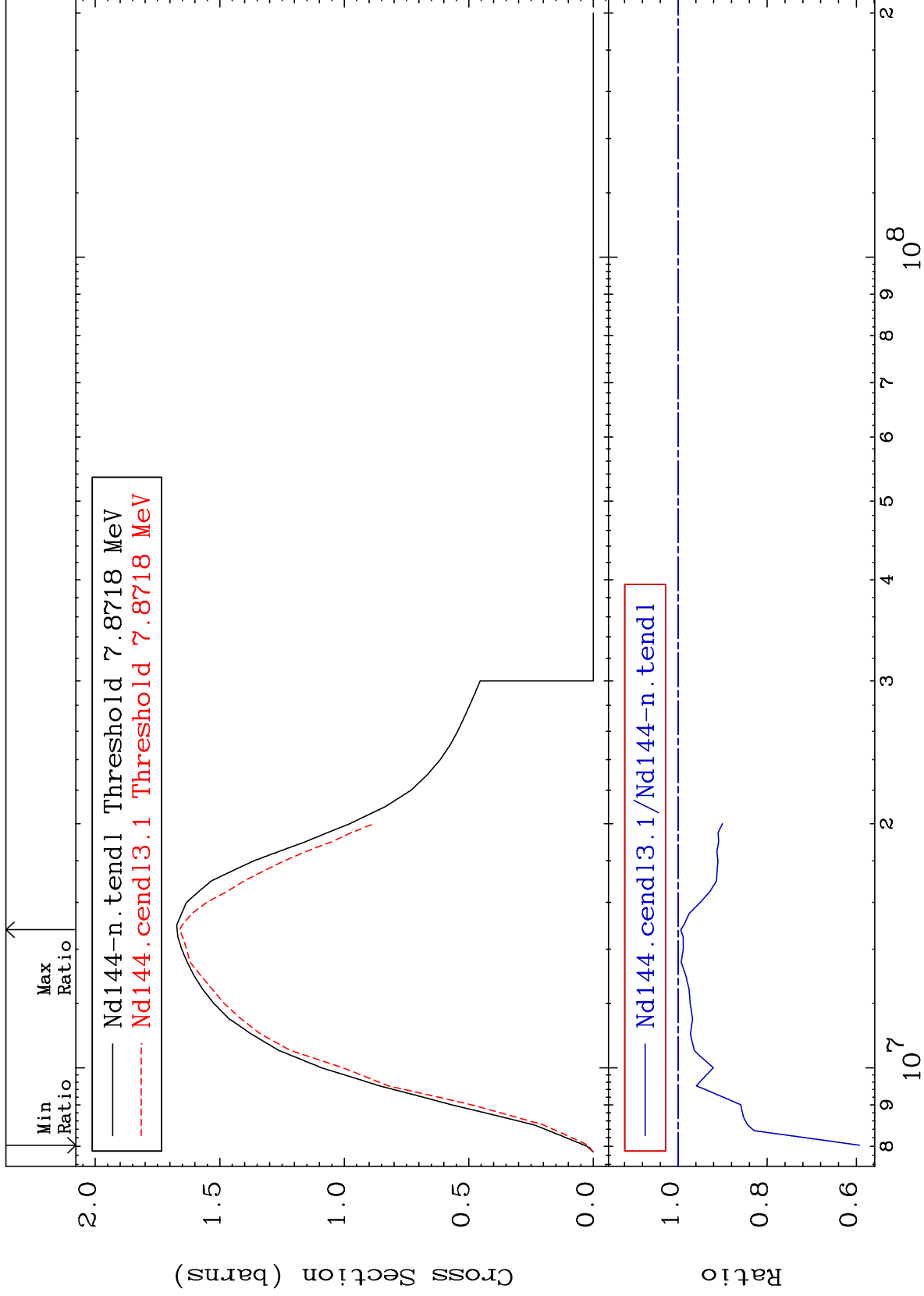
MAT 6031

(n,2n)

60-Nd-144

Cross Section

-40.71 To -0.609%

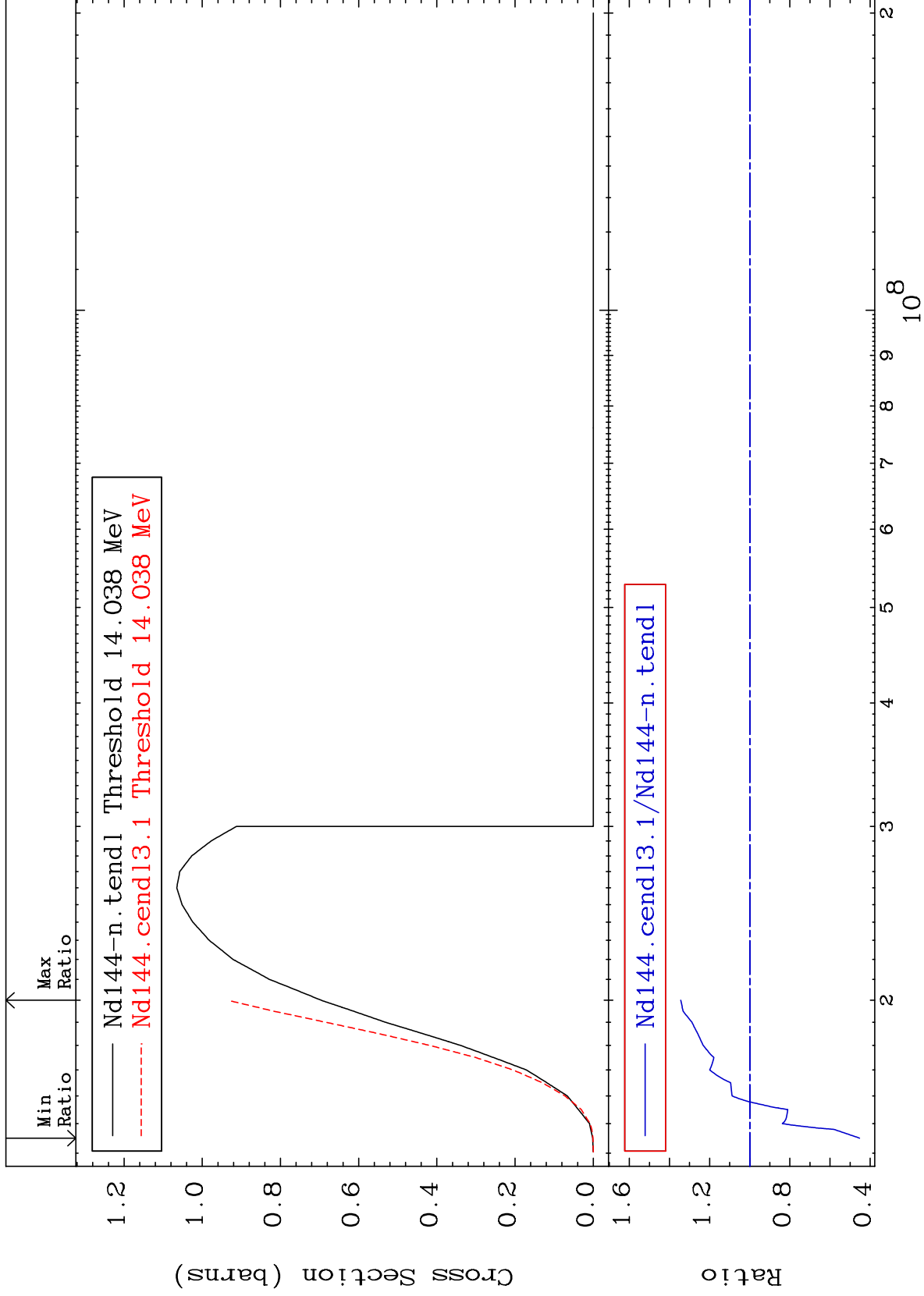


4

MAT 6031

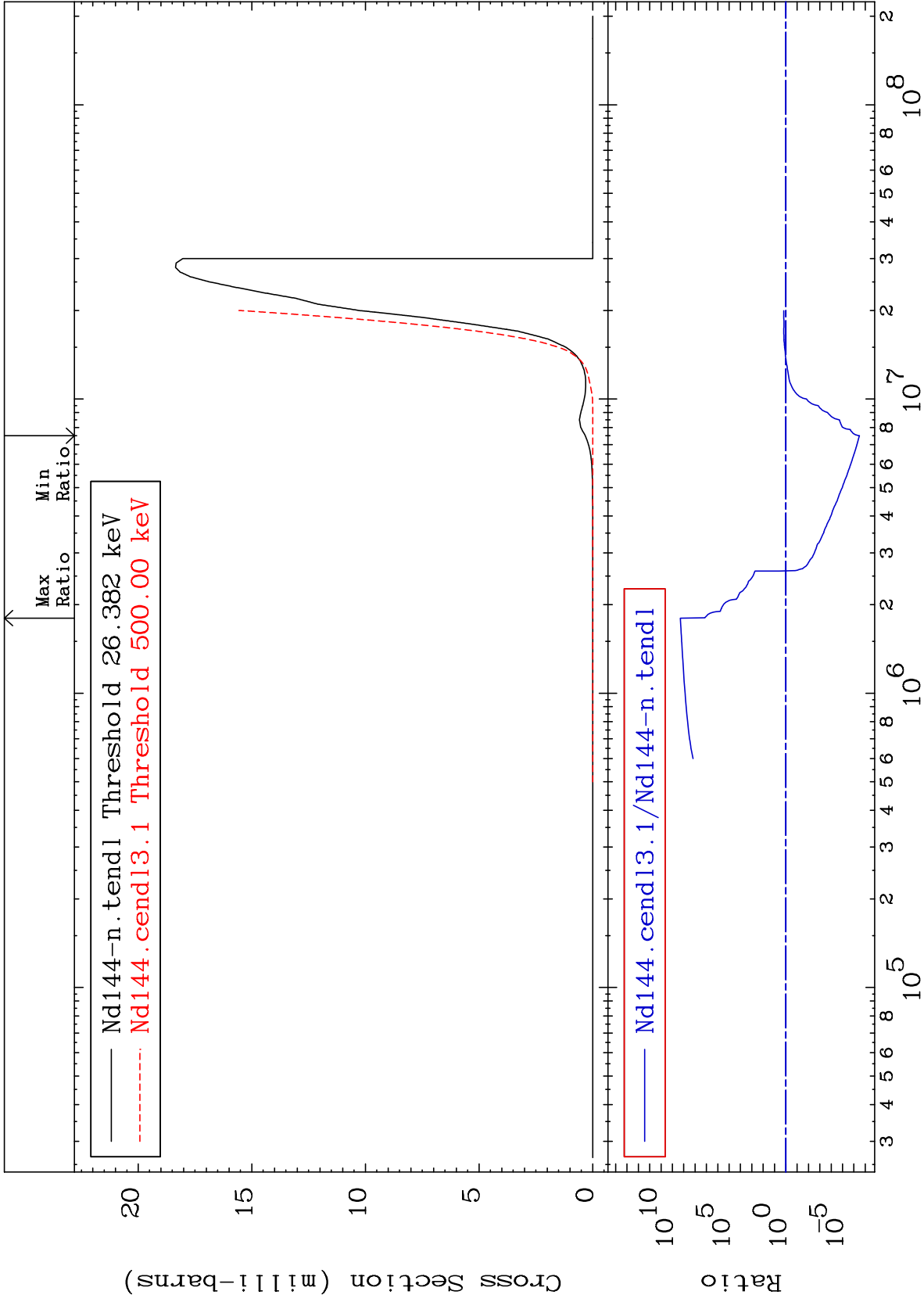
(n,3n)  
Cross Section

60-Nd-144  
-54.70 To 34.38 %



MAT 6031

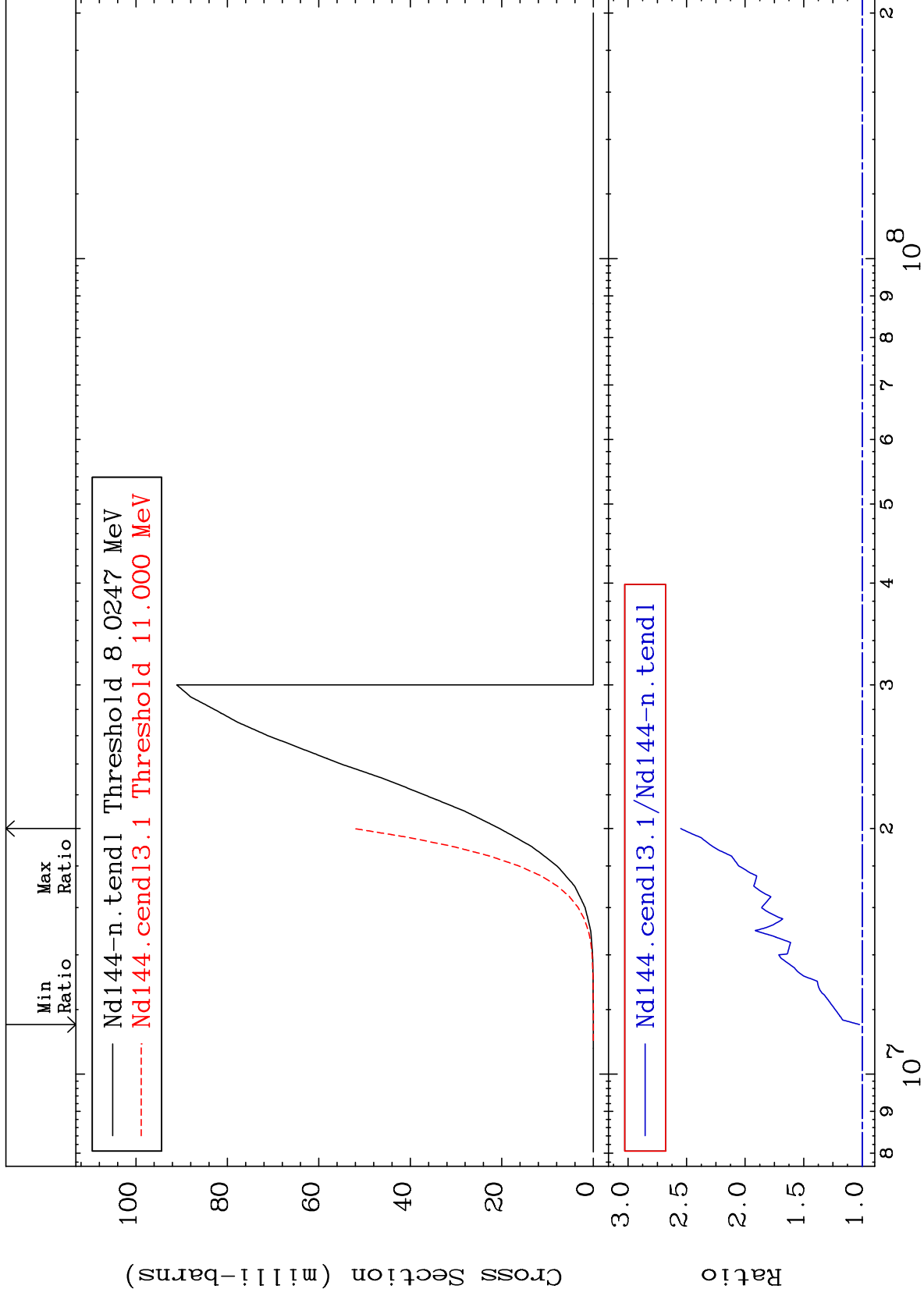
$(n, n') \alpha$   
Cross Section  
60-Nd-144  
-100.0 To 9999. %



MAT 6031

(n,n') p  
Cross Section

60-Nd-144  
2.267 To 155.0 %



7

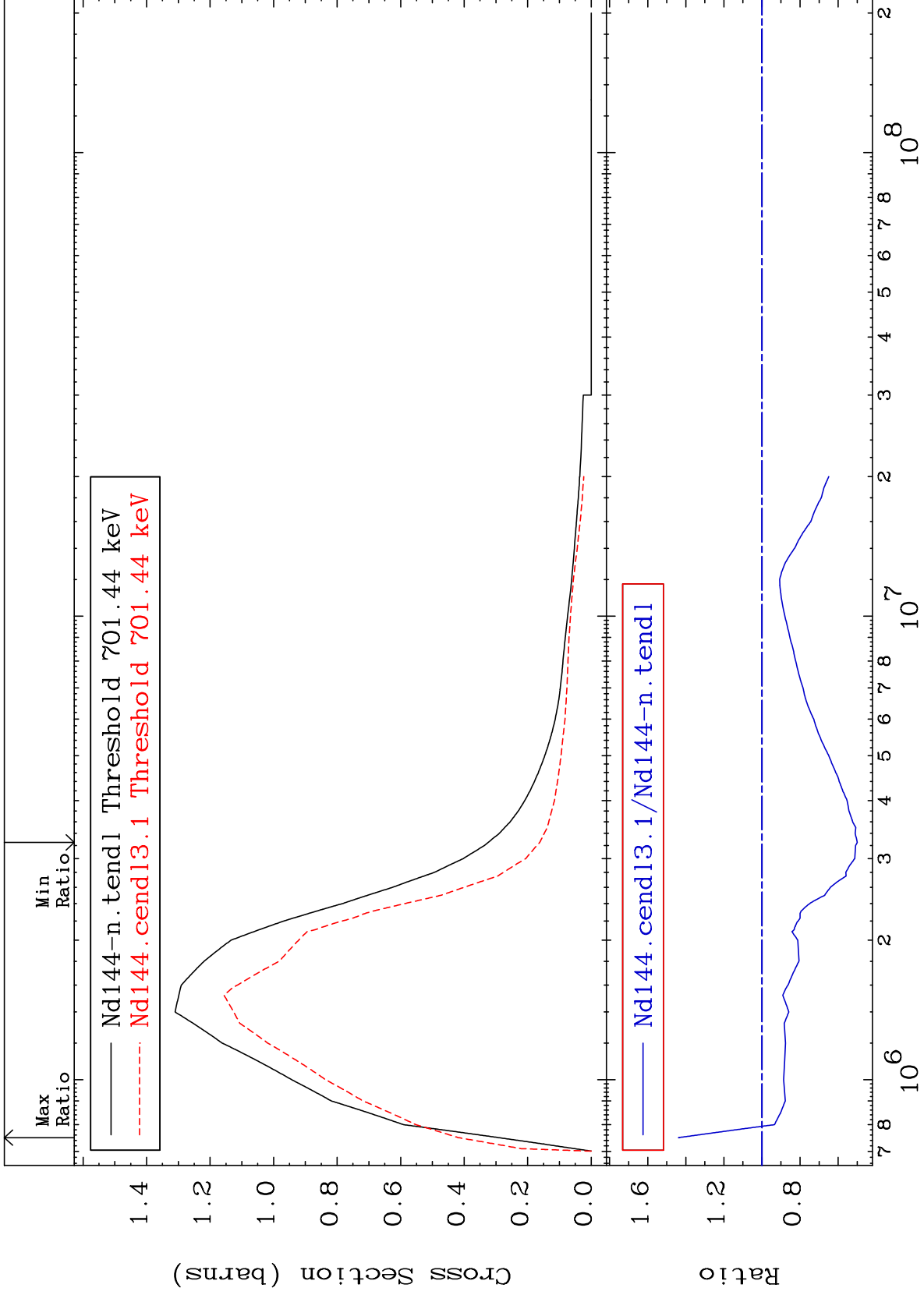
Incident Energy (eV)

60-Nd-144

MAT 6031

696.6 keV (n,n') Level  
Cross Section

60-Nd-144  
-50.04 To 43.76 %



8

Incident Energy (eV)

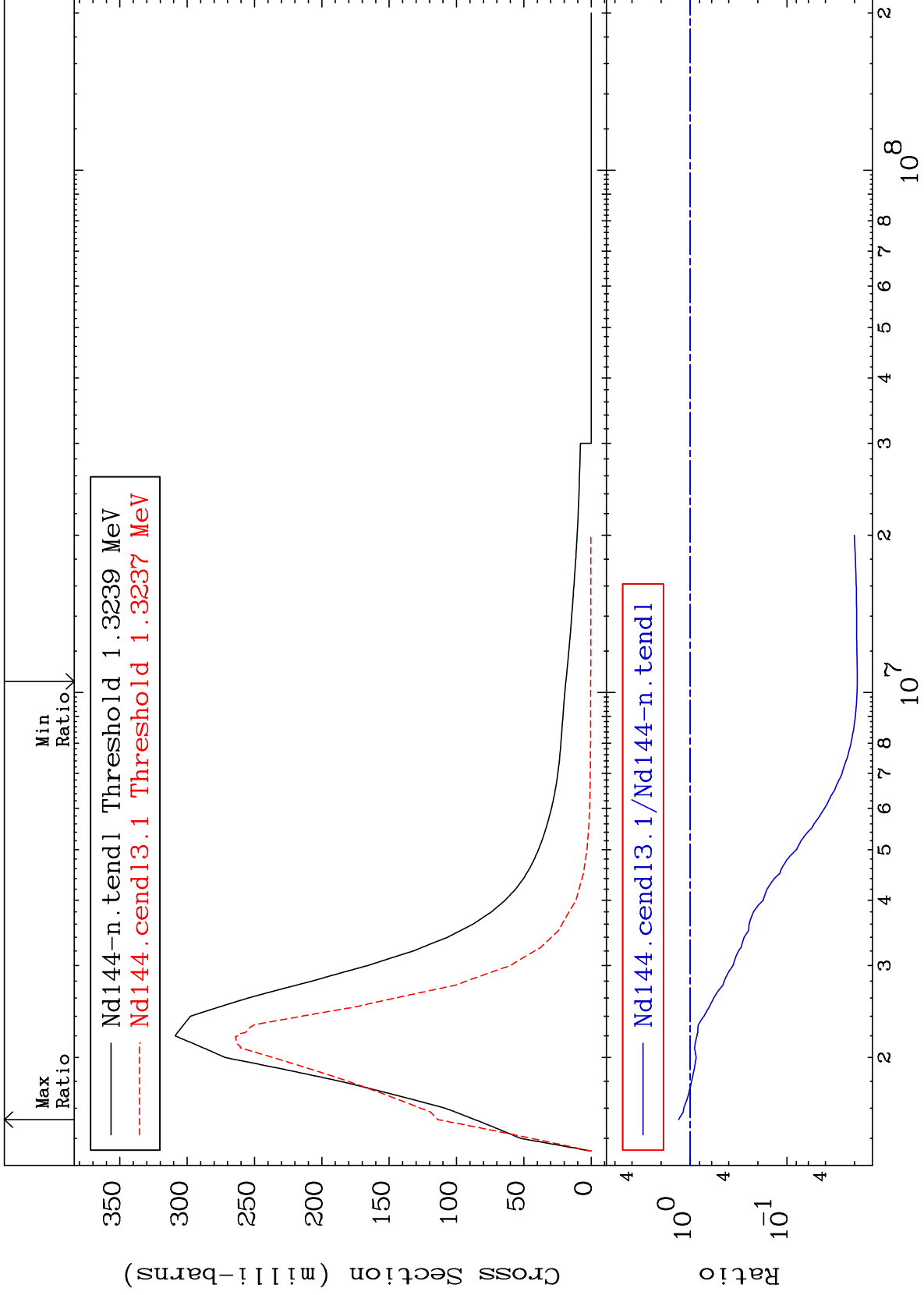
60-Nd-144



MAT 6031

1.315 MeV (n,n') Level  
Cross Section

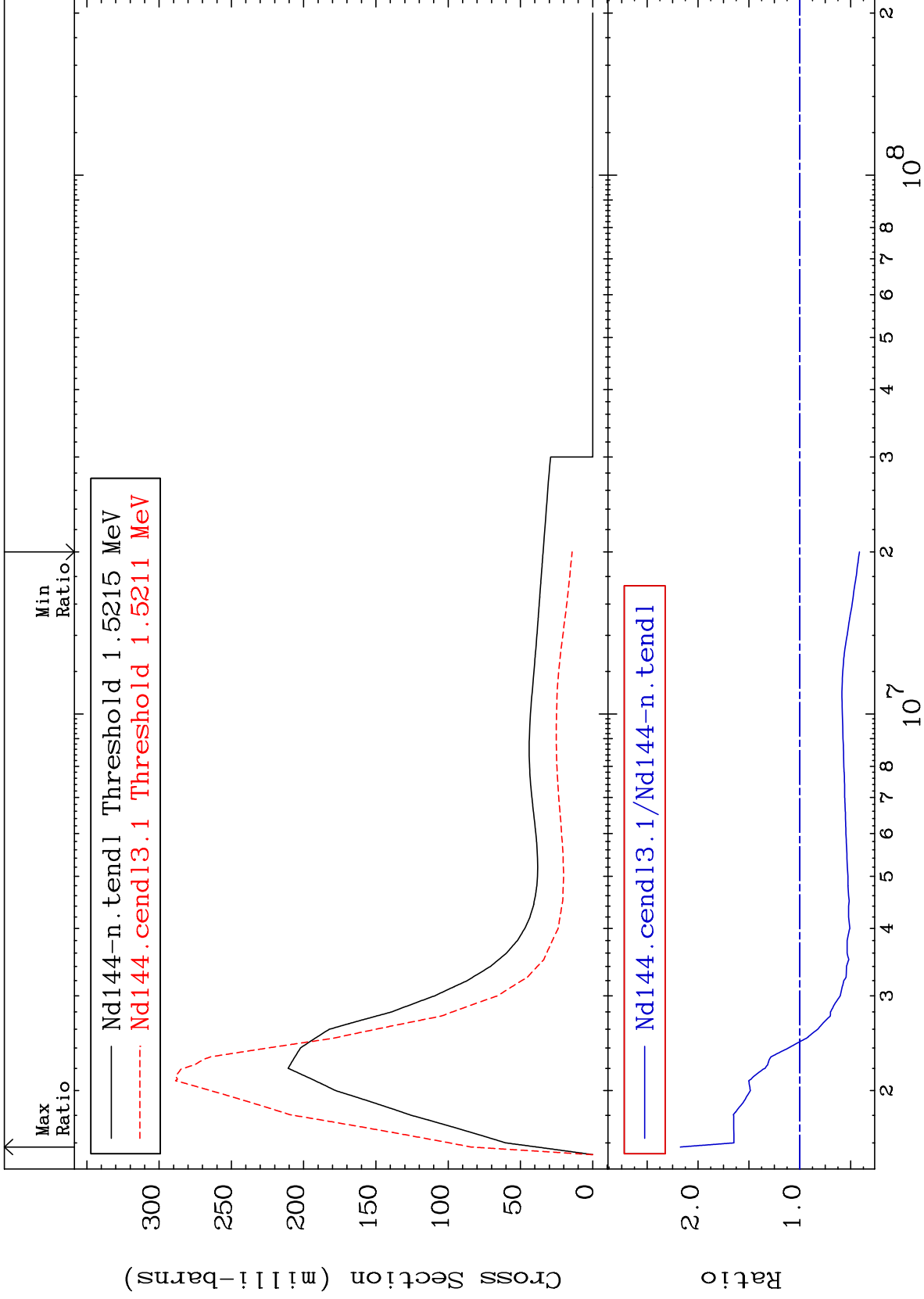
60-Nd-144  
-98.12 To 31.89 %



MAT 6031

1.511 MeV (n,n') Level  
Cross Section

60-Nd-144  
-58.60 To 117.4 %



10

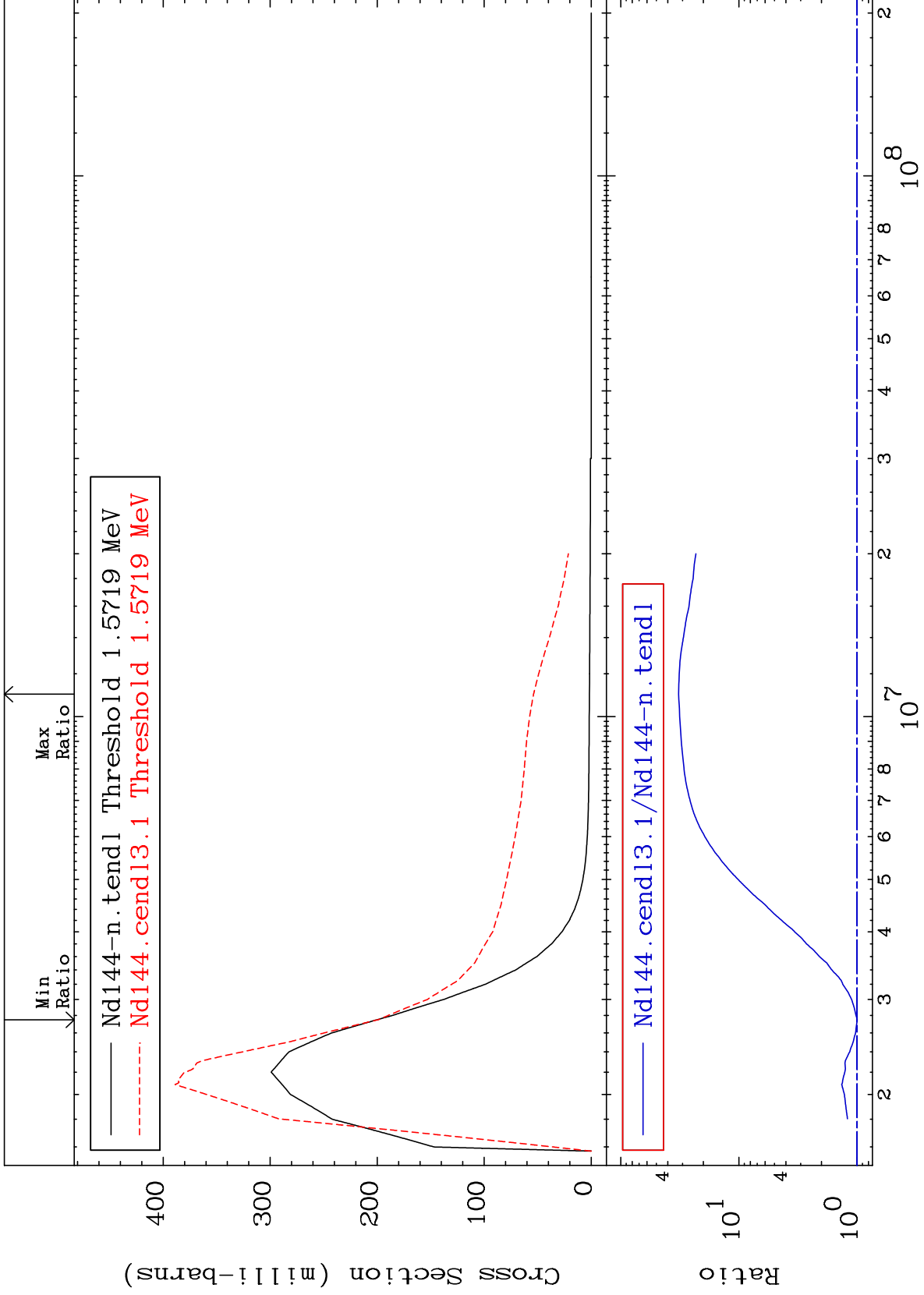
Incident Energy (eV)

60-Nd-144

MAT 6031

1.561 MeV (n,n') Level  
Cross Section

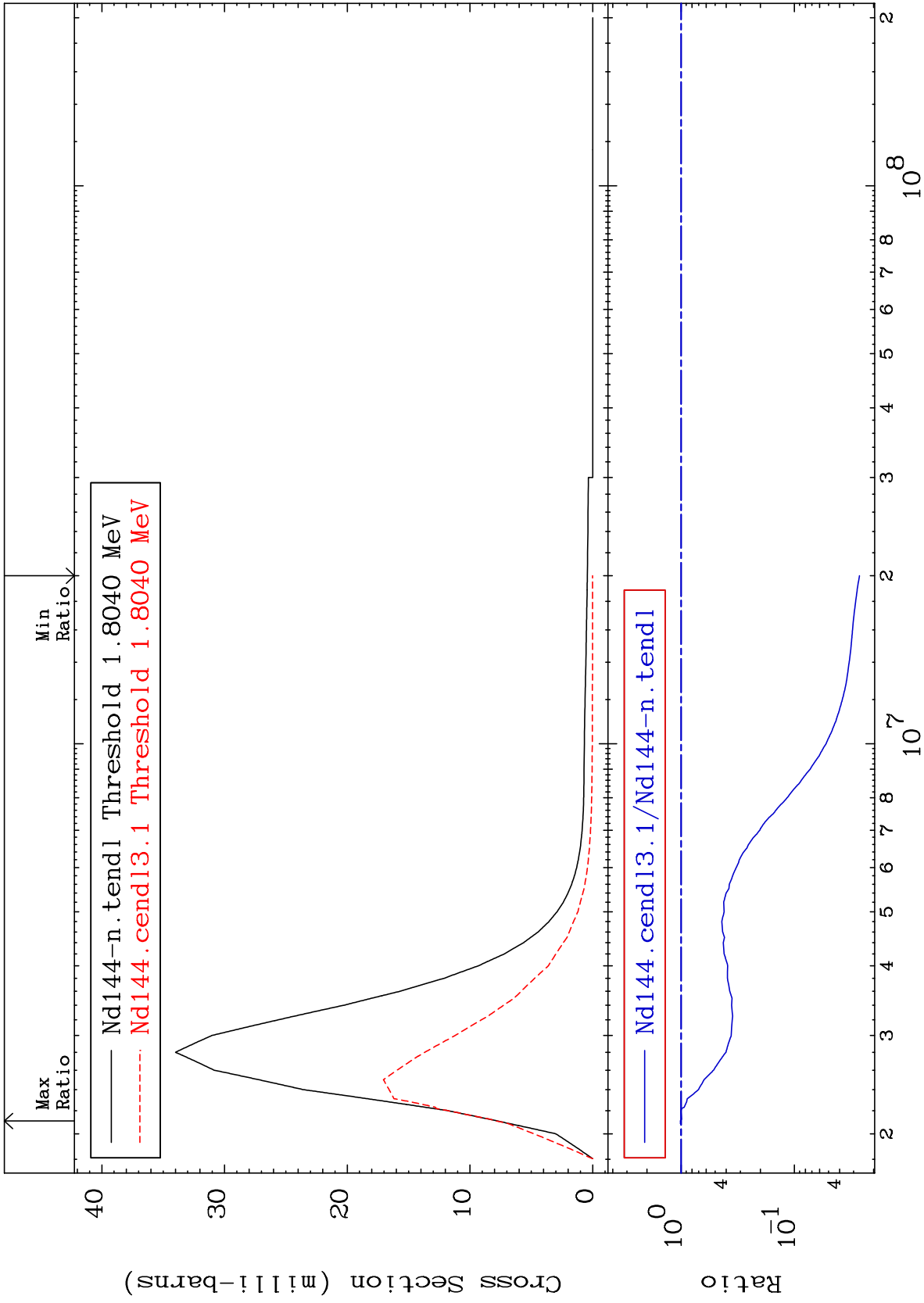
60-Nd-144  
-0.474 To 3137. %



MAT 6031

1.791 MeV (n,n') Level  
Cross Section

60-Nd-144  
-97.33 To 1.422 %



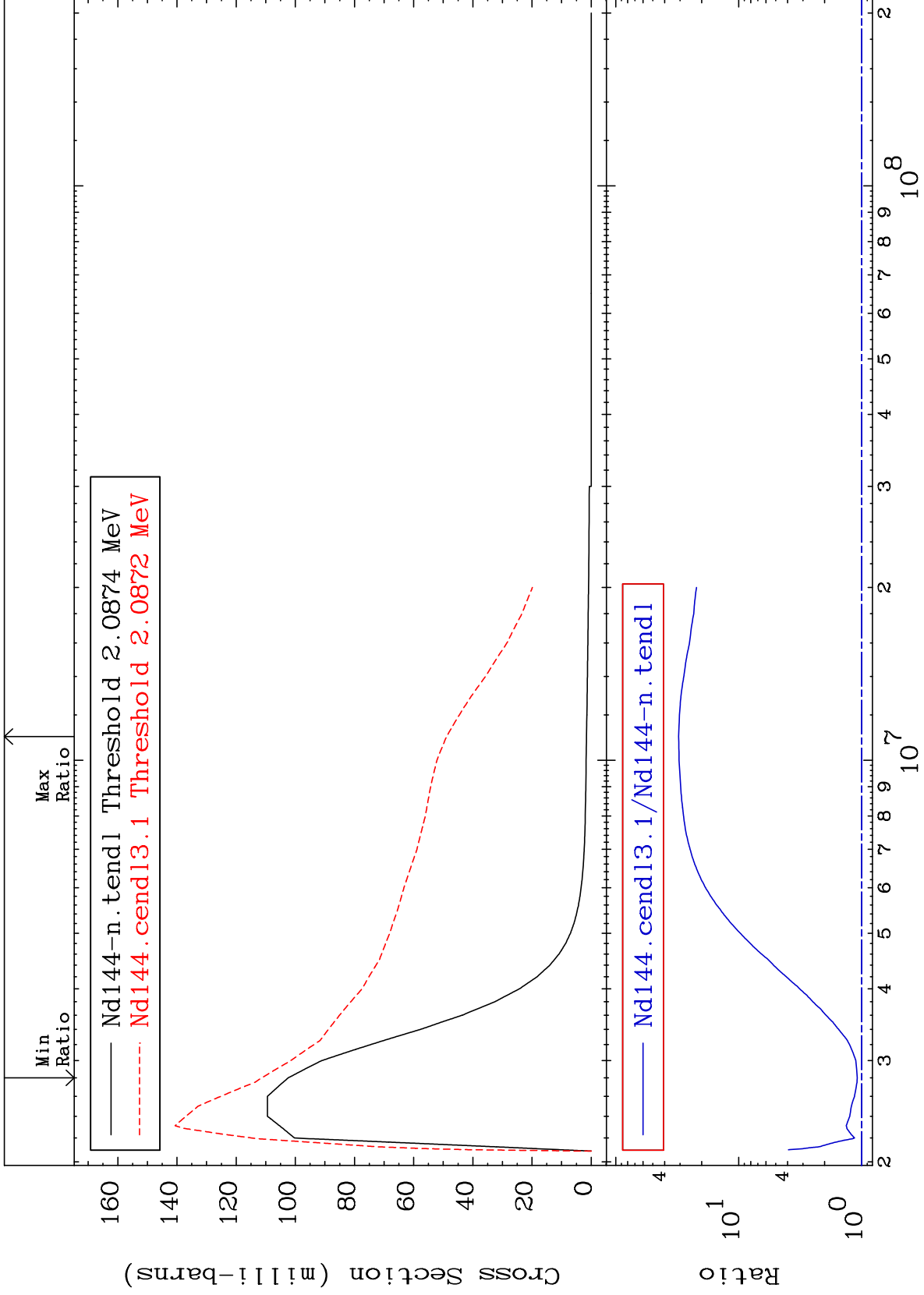
12

60-Nd-144

MAT 6031

2.073 MeV (n,n') Level  
Cross Section

60-Nd-144  
8.675 To 2982. %



13

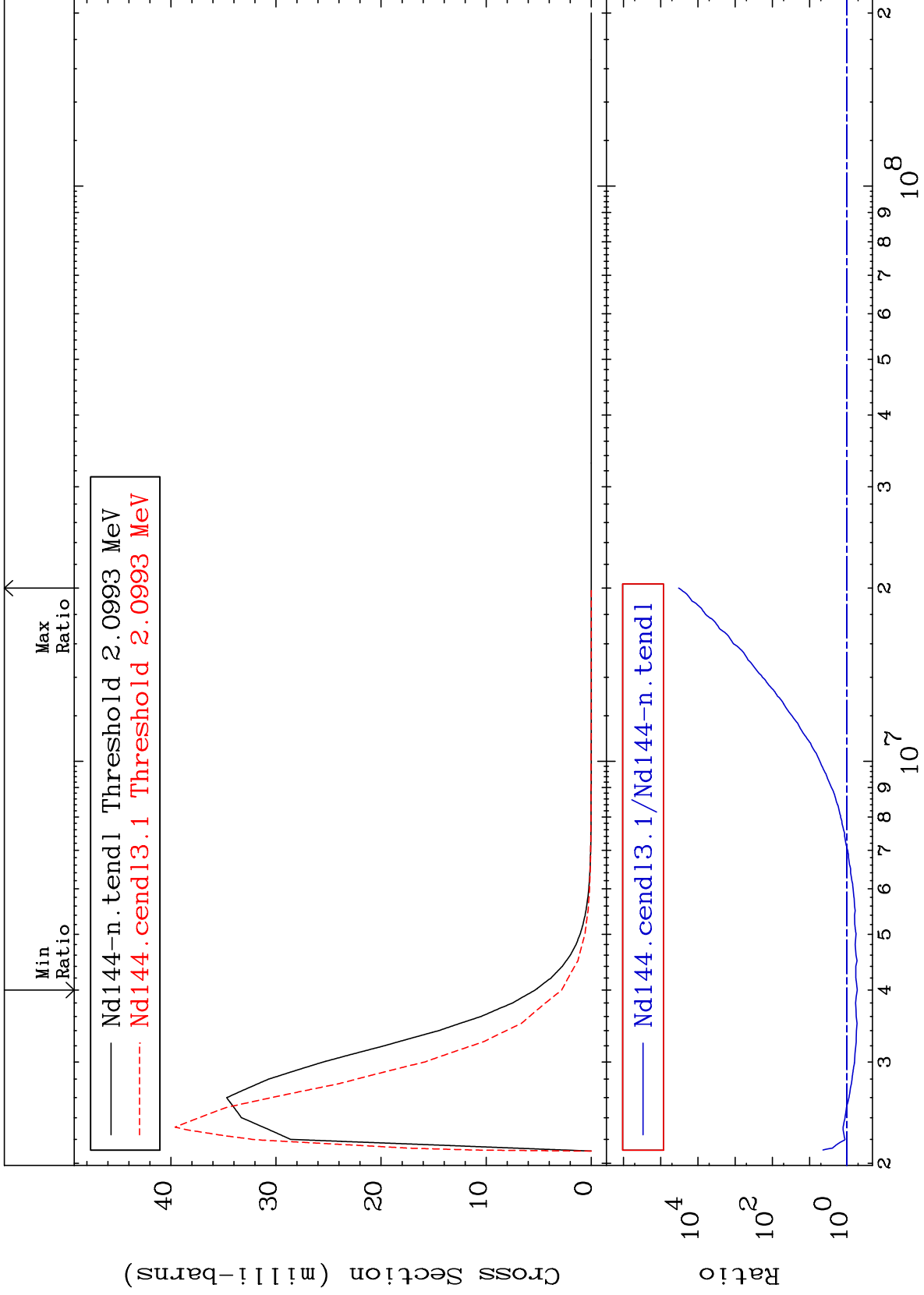
Incident Energy (eV)

60-Nd-144

MAT 6031

2.085 MeV (n,n') Level  
Cross Section

60-Nd-144  
-47.37 To 9999. %



14

Incident Energy (eV)

60-Nd-144

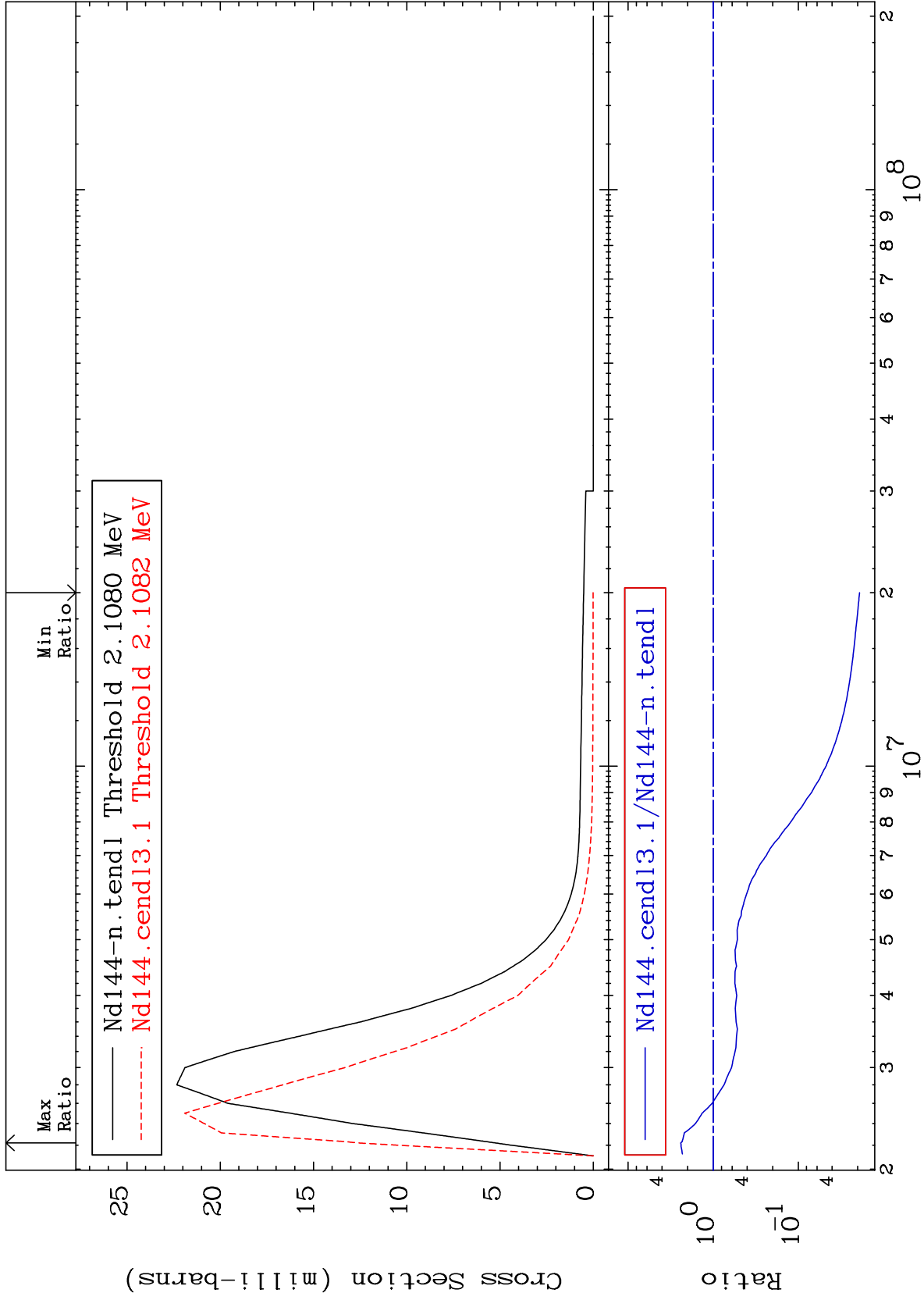
MAT 6031

2.093 MeV (n,n') Level

60-Nd-144

-98.09 To 140.7 %

Cross Section



15

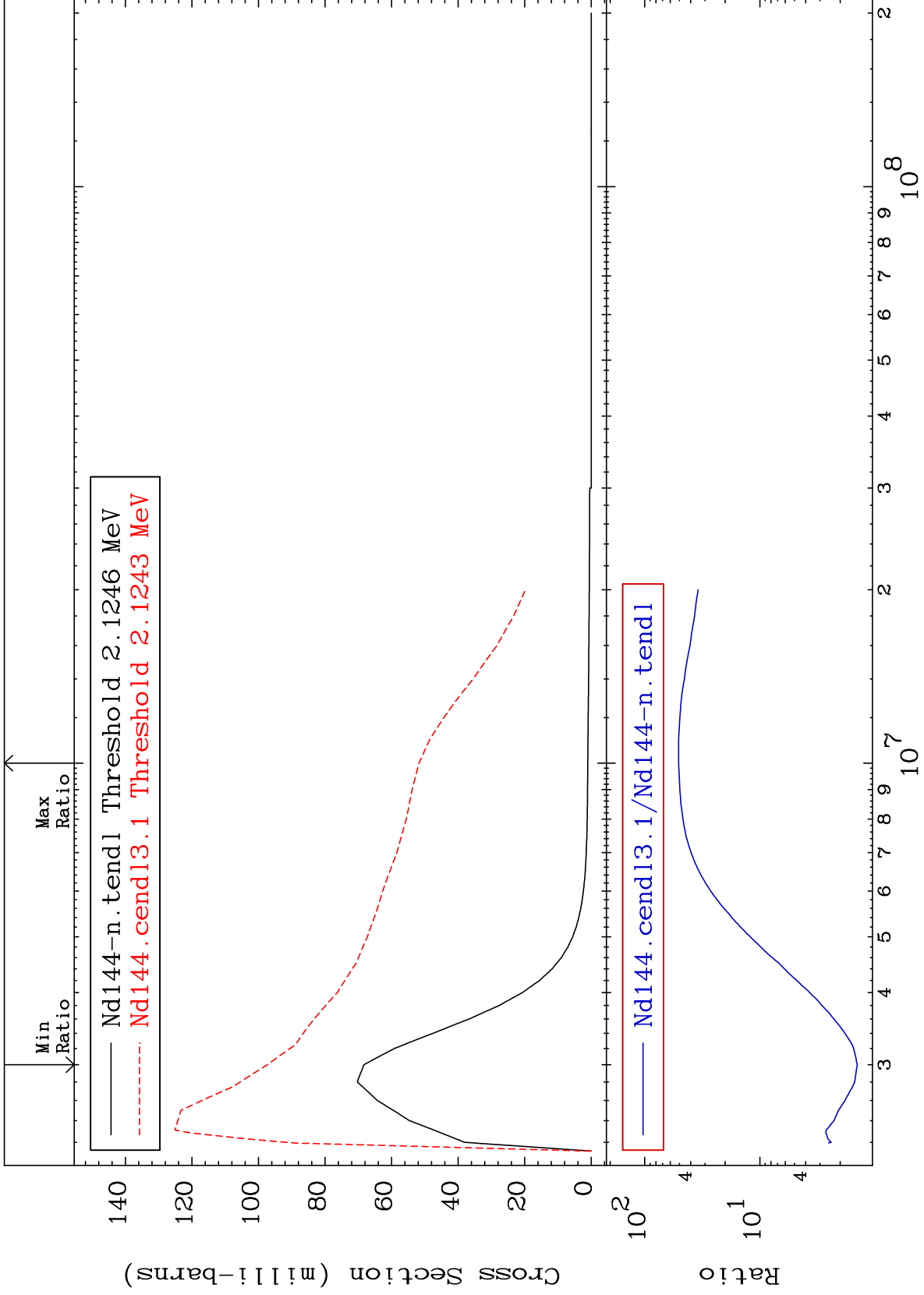
Incident Energy (eV)

60-Nd-144

MAT 6031

2.110 MeV (n,n') Level  
Cross Section

60-Nd-144  
42.44 To 4979. %

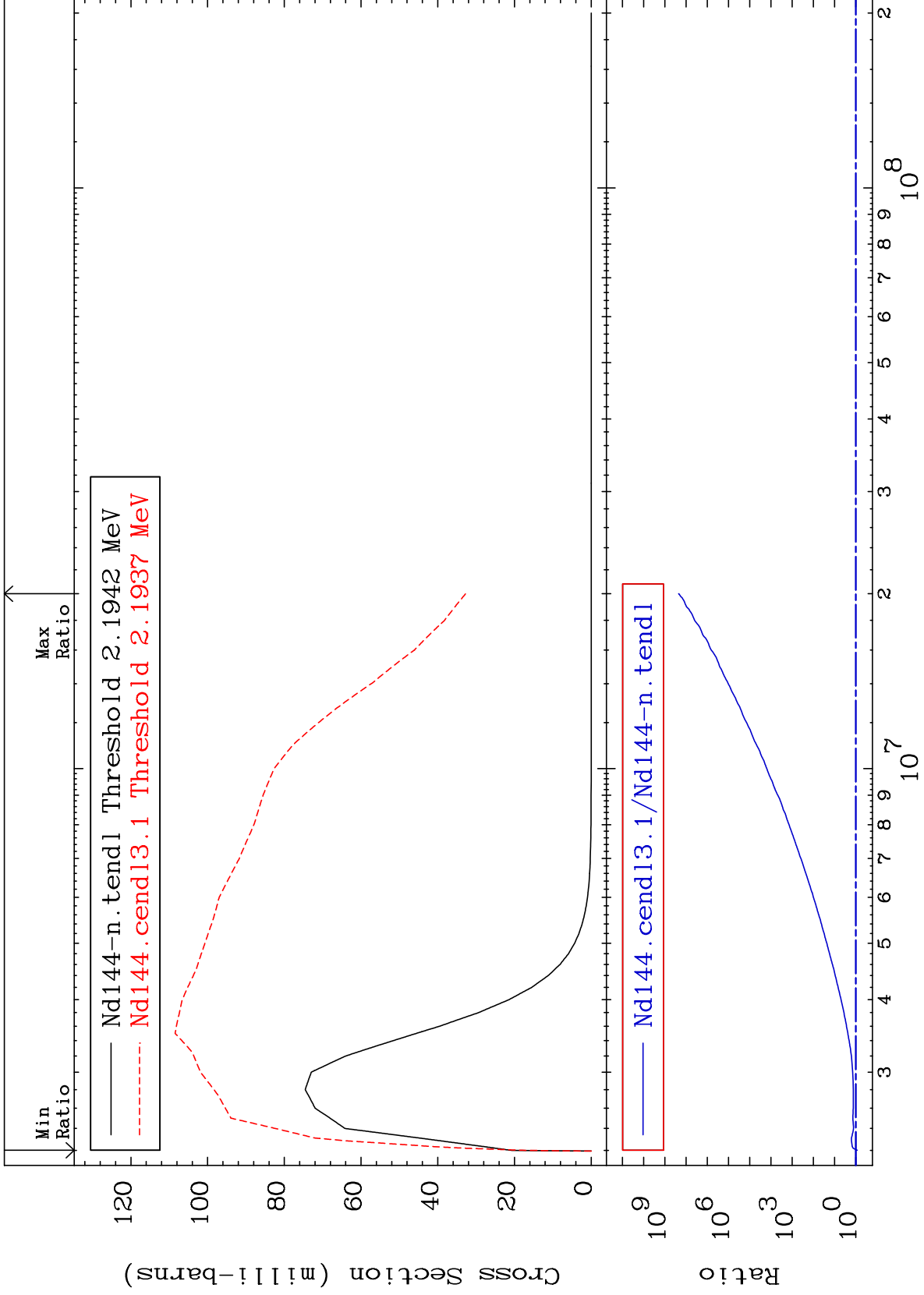




MAT 6031

2.179 MeV (n,n') Level  
Cross Section

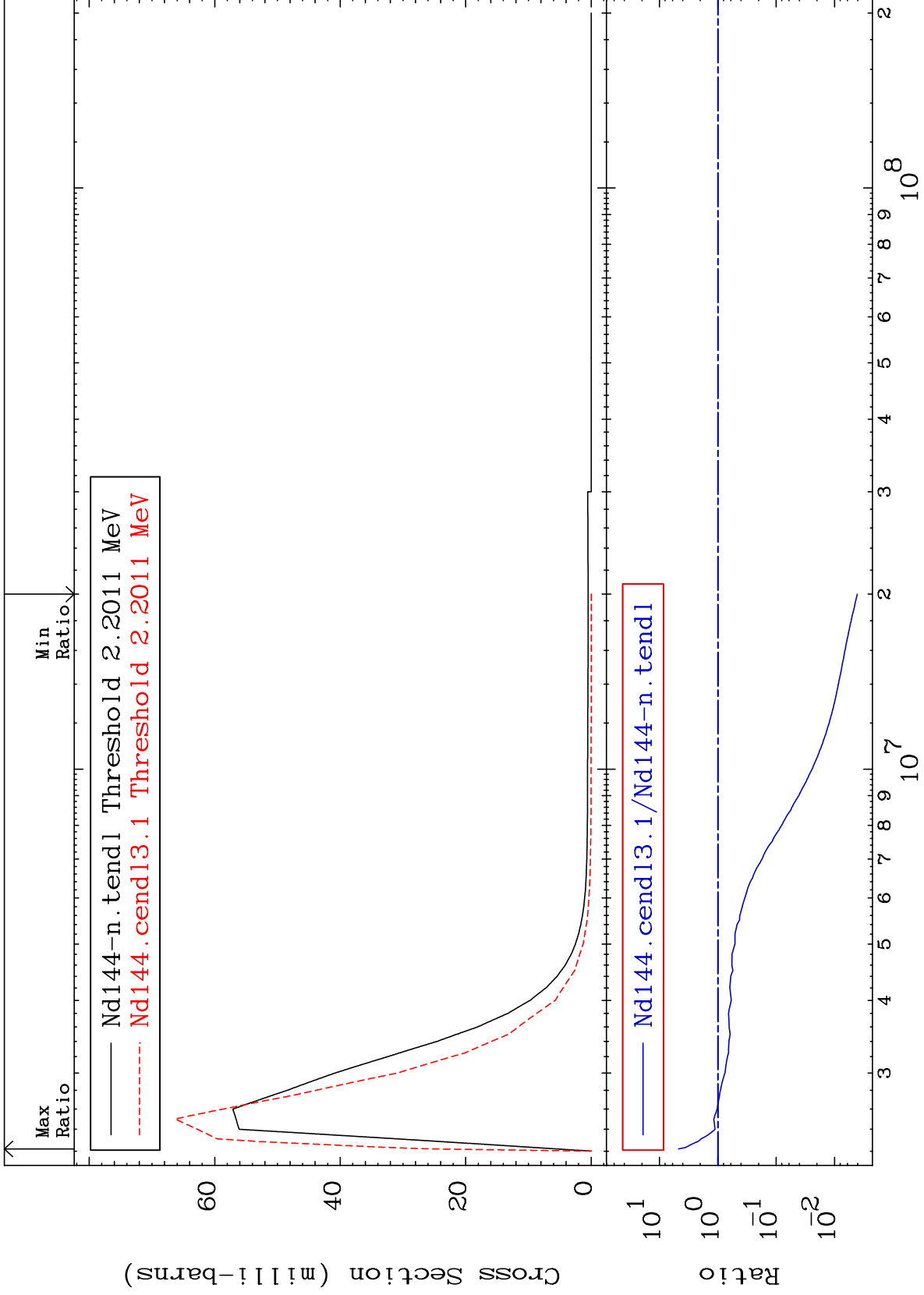
60-Nd-144  
-14.41 To 9999. %



MAT 6031

2.186 MeV (n,n') Level  
Cross Section

60-Nd-144  
-99.59 To 370.1 %



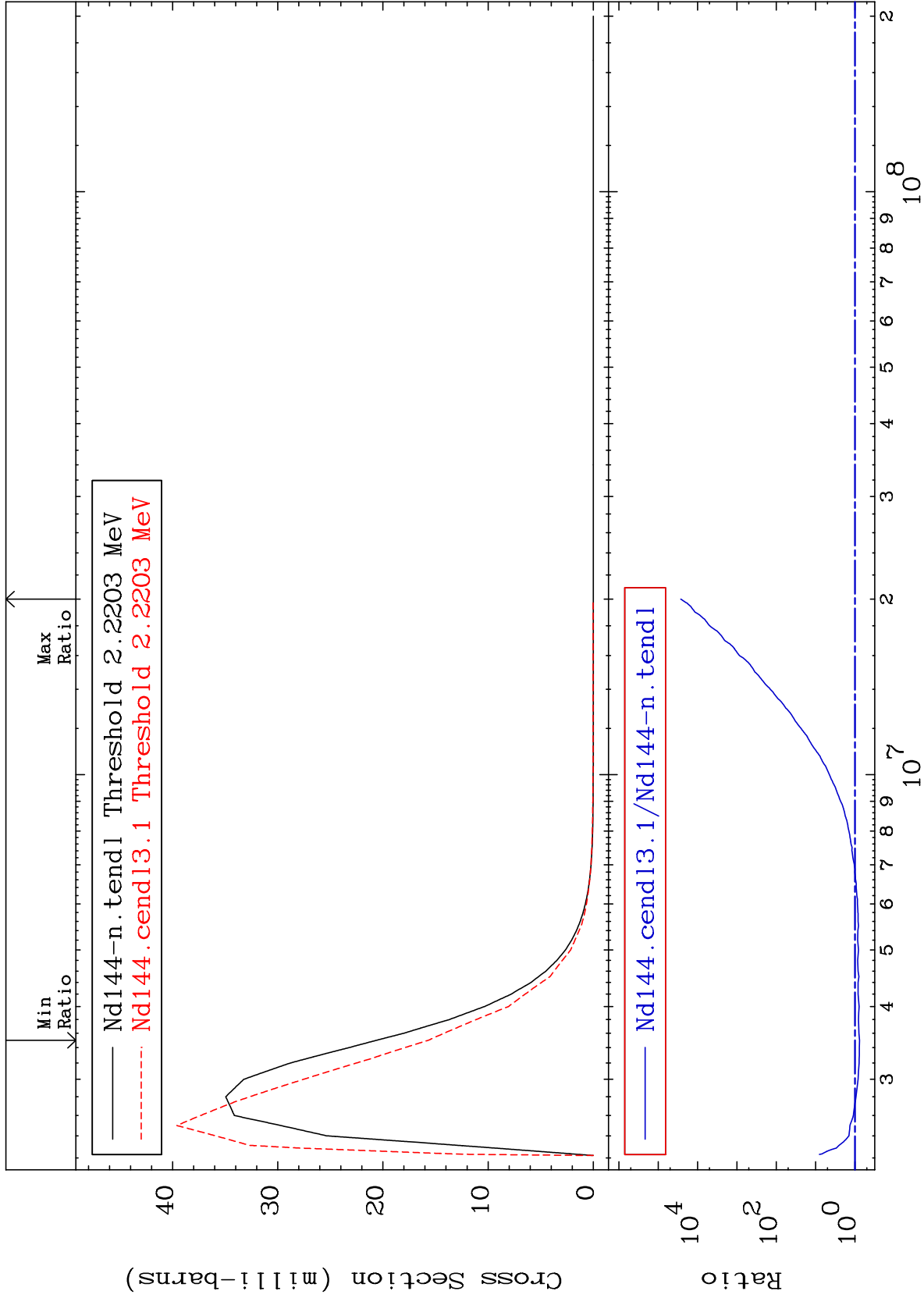
MAT 6031

2.205 MeV (n,n') Level

60-Nd-144

-23.86 To 9999. %

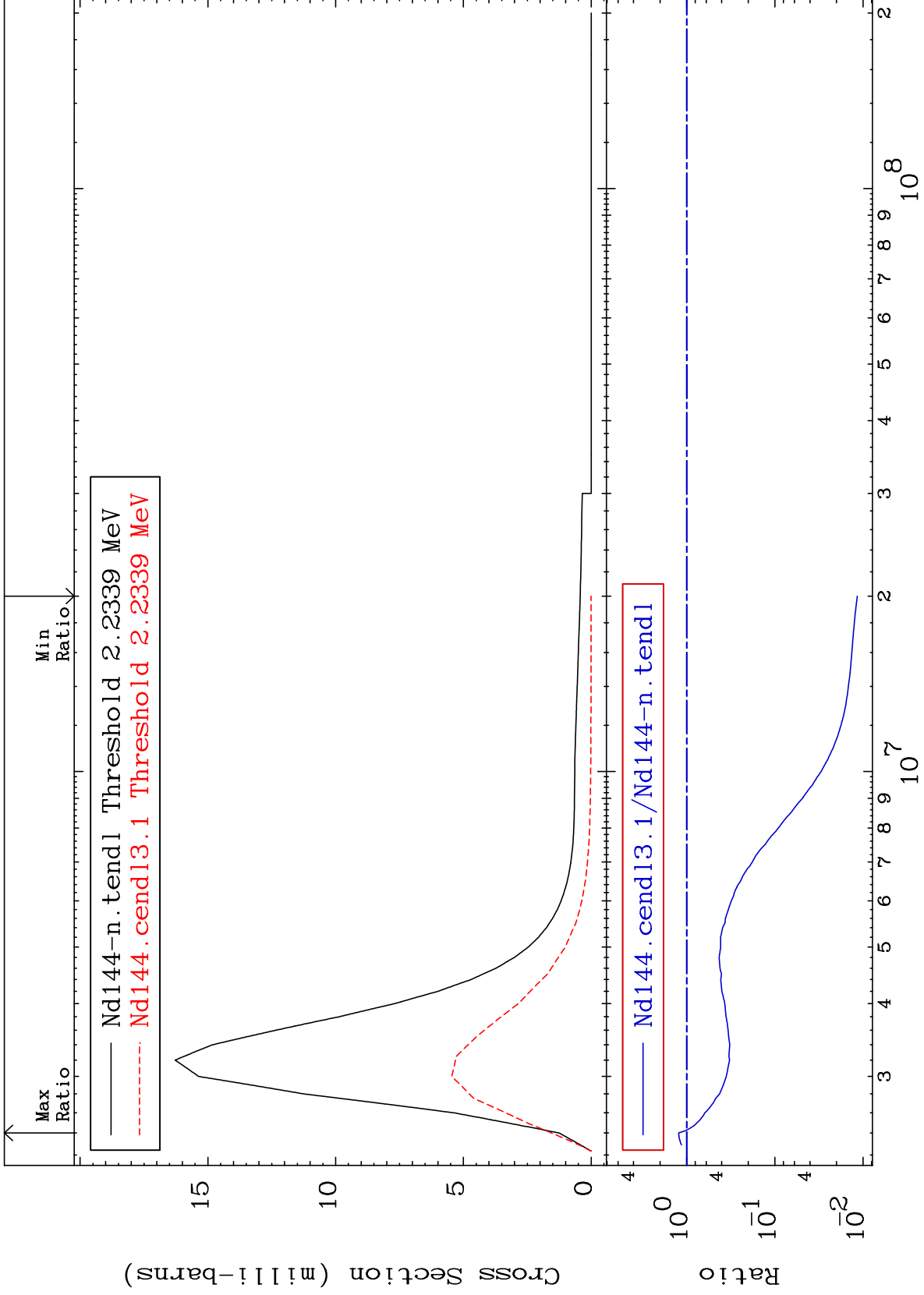
Cross Section



MAT 6031

2.218 MeV (n,n') Level  
Cross Section

60-Nd-144  
-98.84 To 23.27 %



20

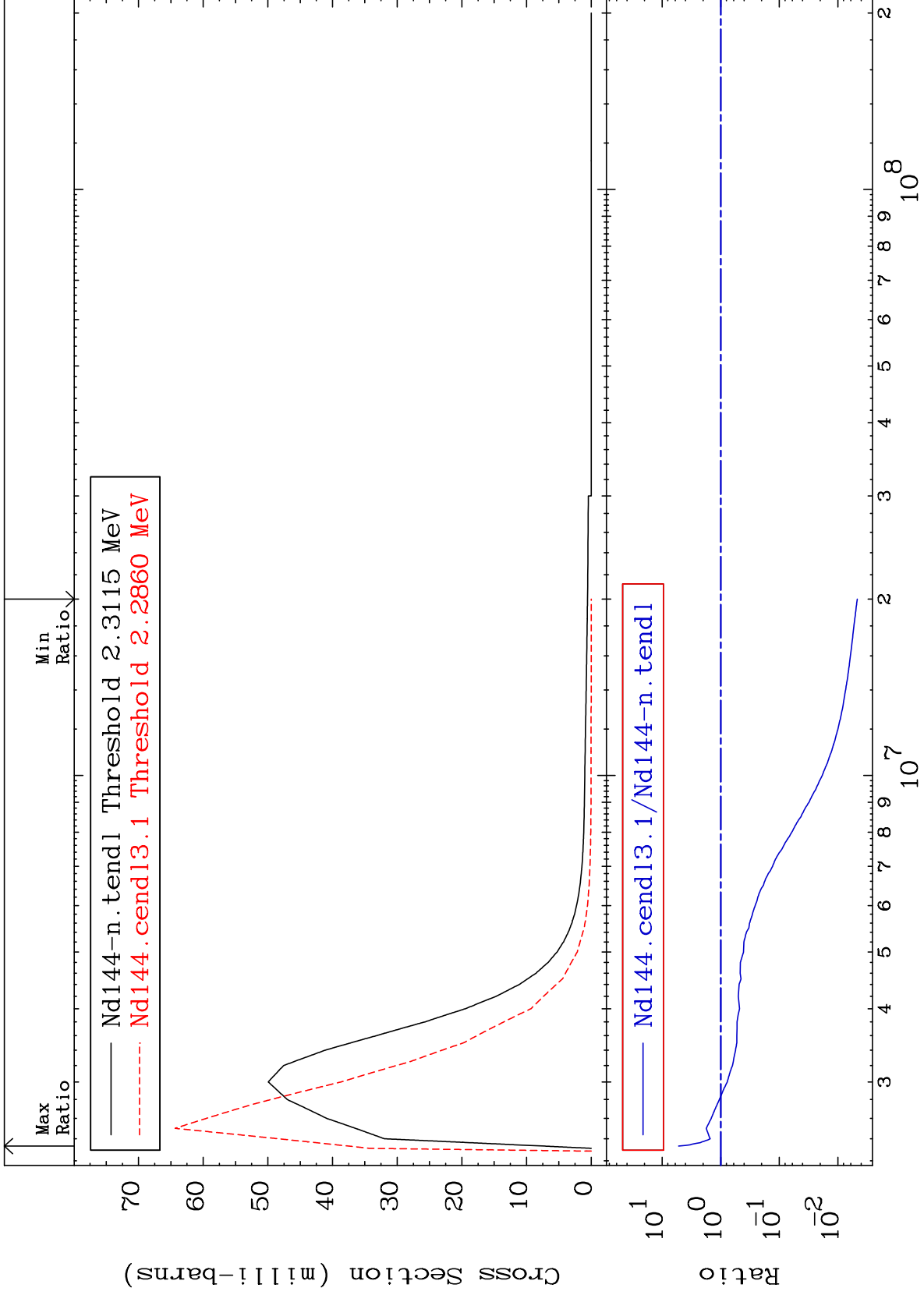
Incident Energy (eV)

60-Nd-144

MAT 6031

2.295 MeV (n,n') Level  
Cross Section

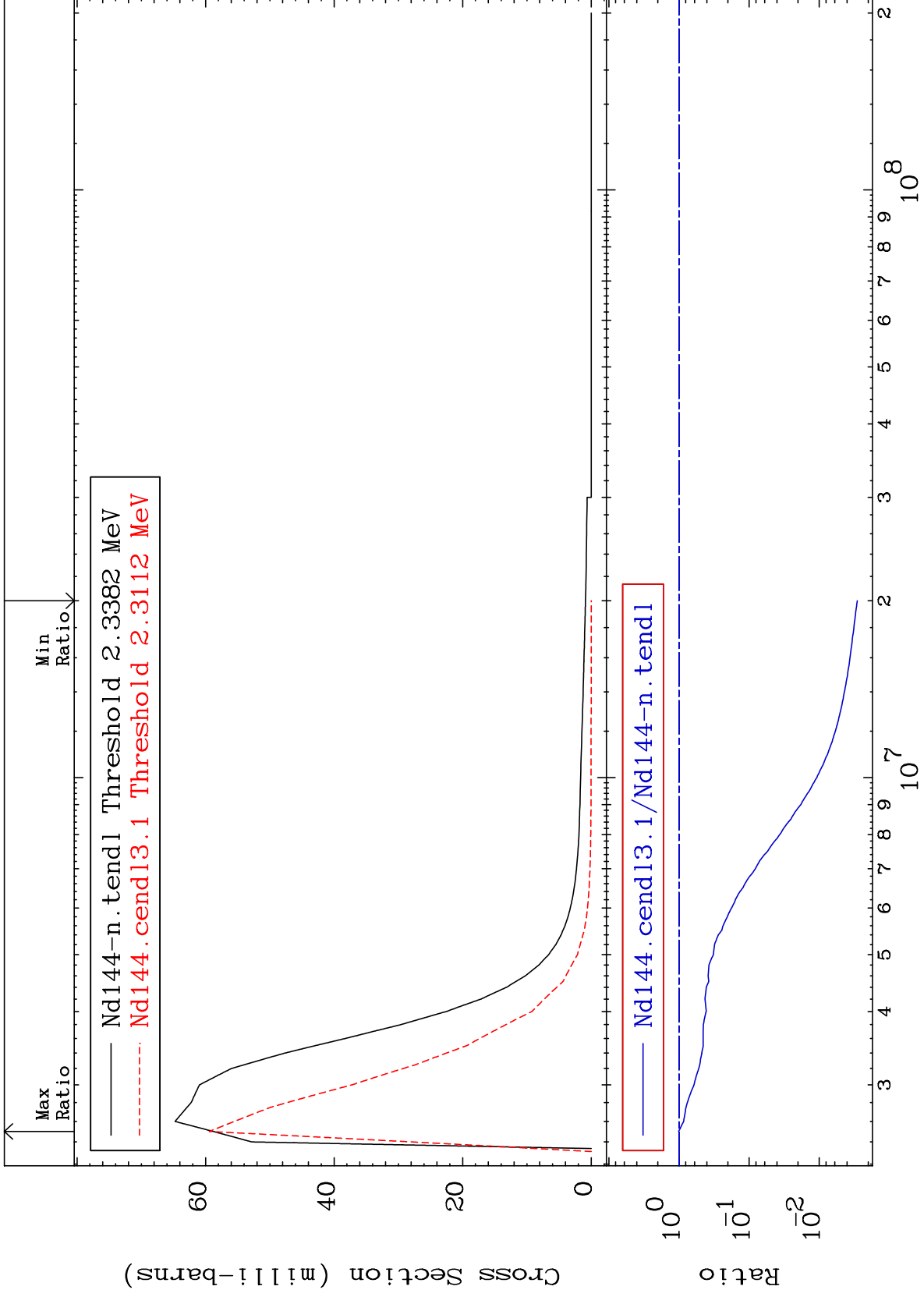
60-Nd-144  
-99.53 To 423.8 %



MAT 6031

2.322 MeV (n,n') Level  
Cross Section

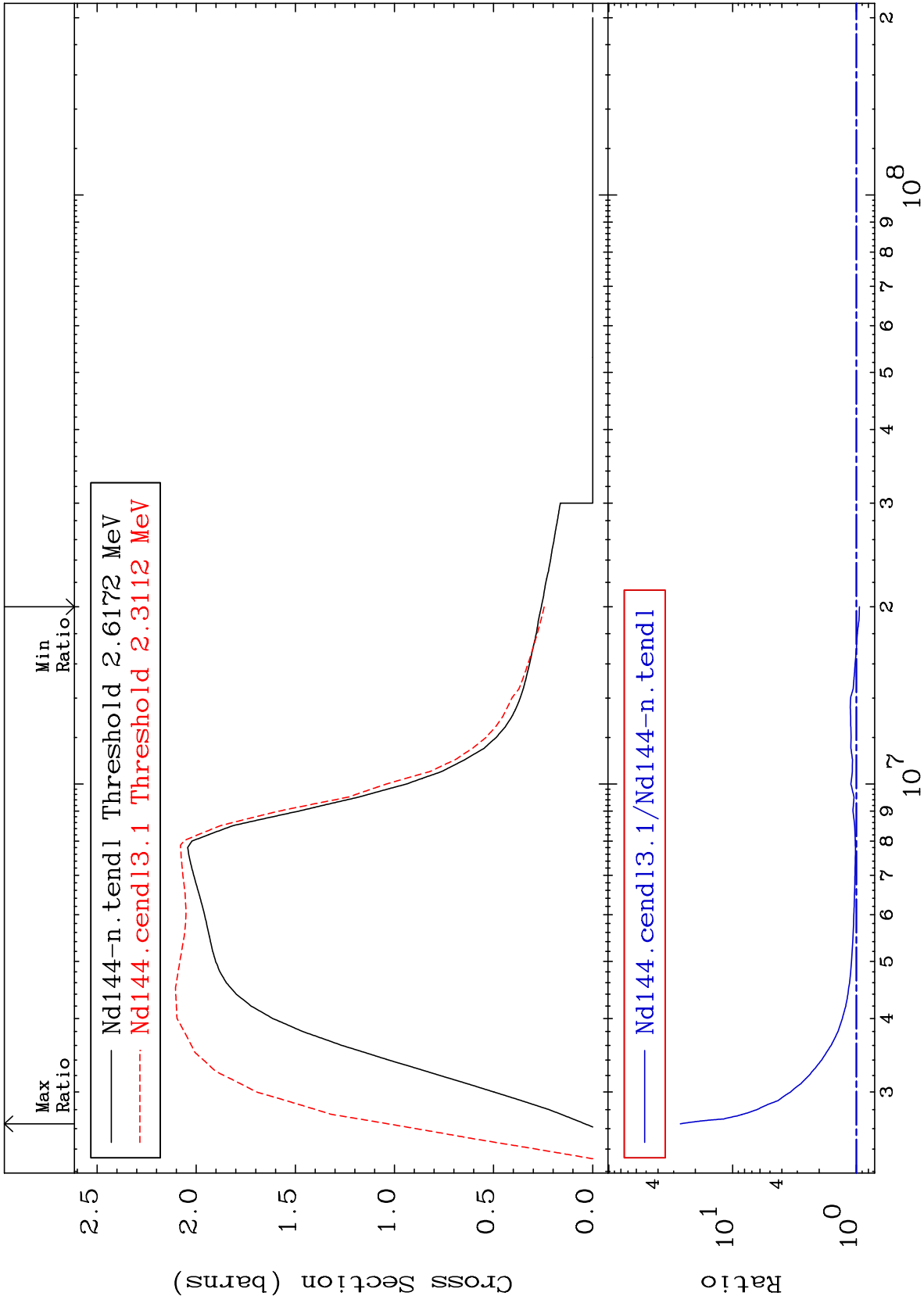
60-Nd-144  
-99.71 To 1.058 %



MAT 6031

(n, n') Continuum  
Cross Section

60-Nd-144  
-5.484 To 2543. %



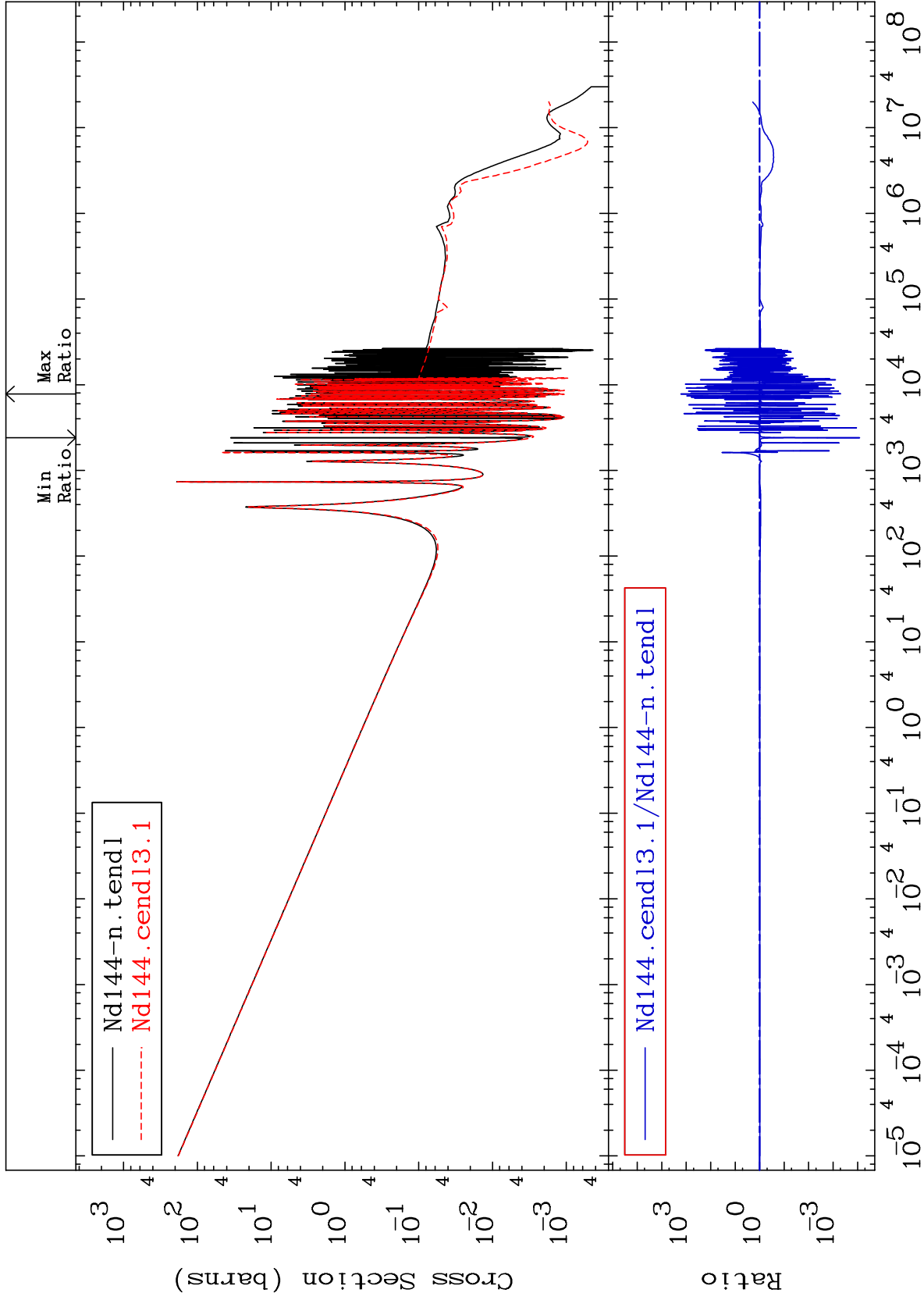
MAT 6031

60-Nd-144

(n,  $\gamma$ )

Cross Section

-99.99 To 9999. %





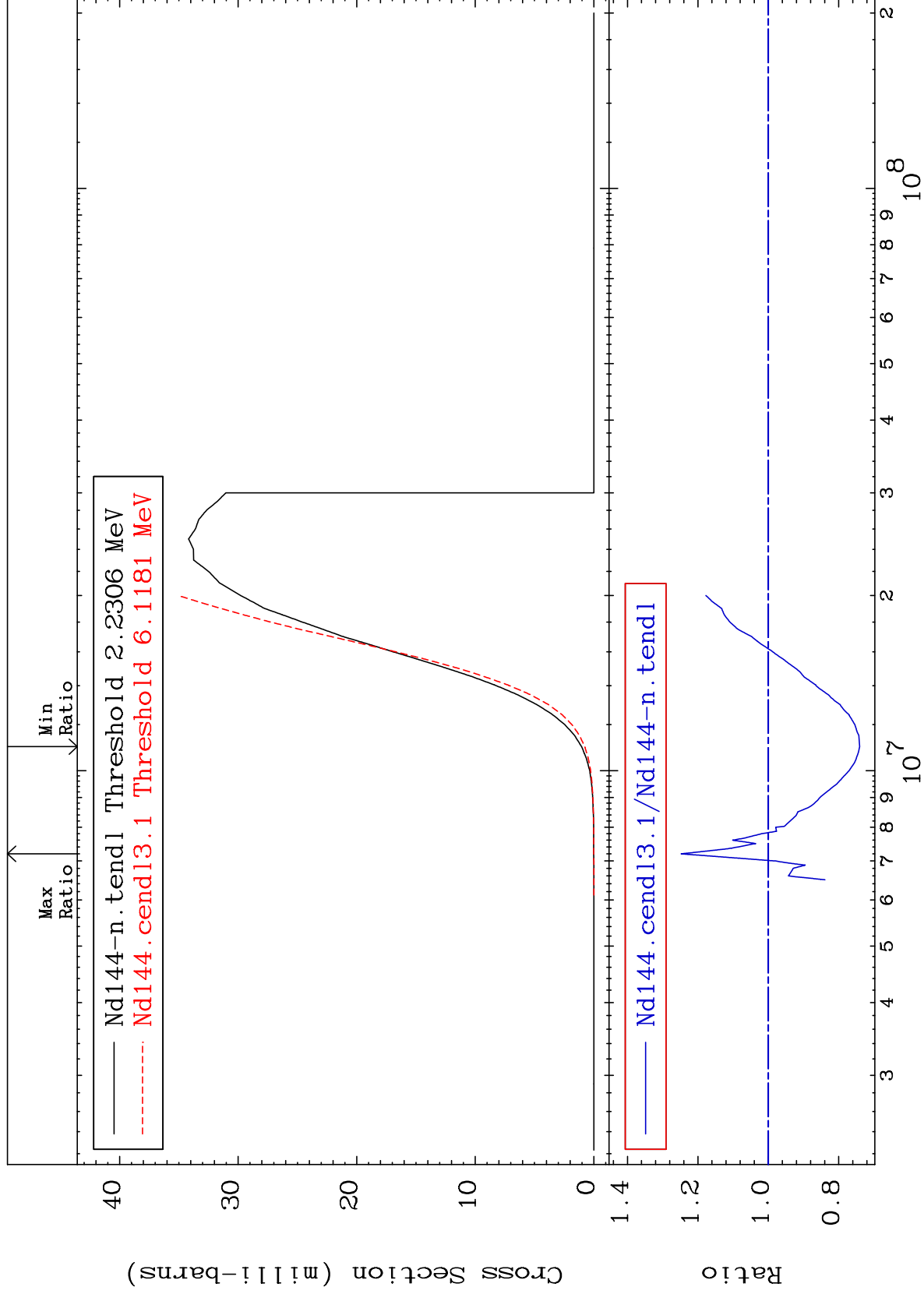
MAT 6031

(n,p)

60-Nd-144

Cross Section

-25.93 To 24.74 %



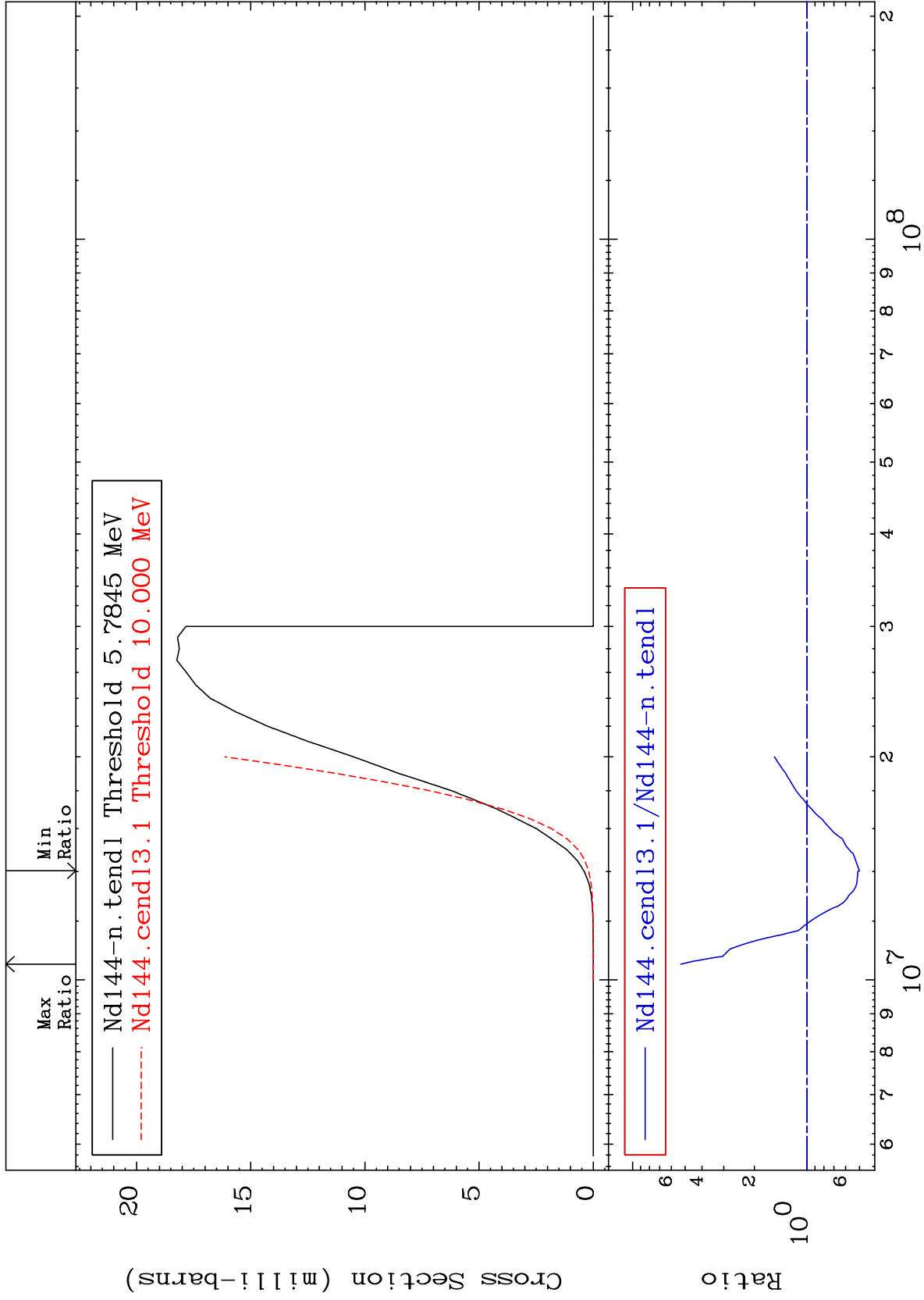
MAT 6031

(n, d)

60-Nd-144

Cross Section

-50.03 To 429.6 %



26

60-Nd-144

60-Nd-144

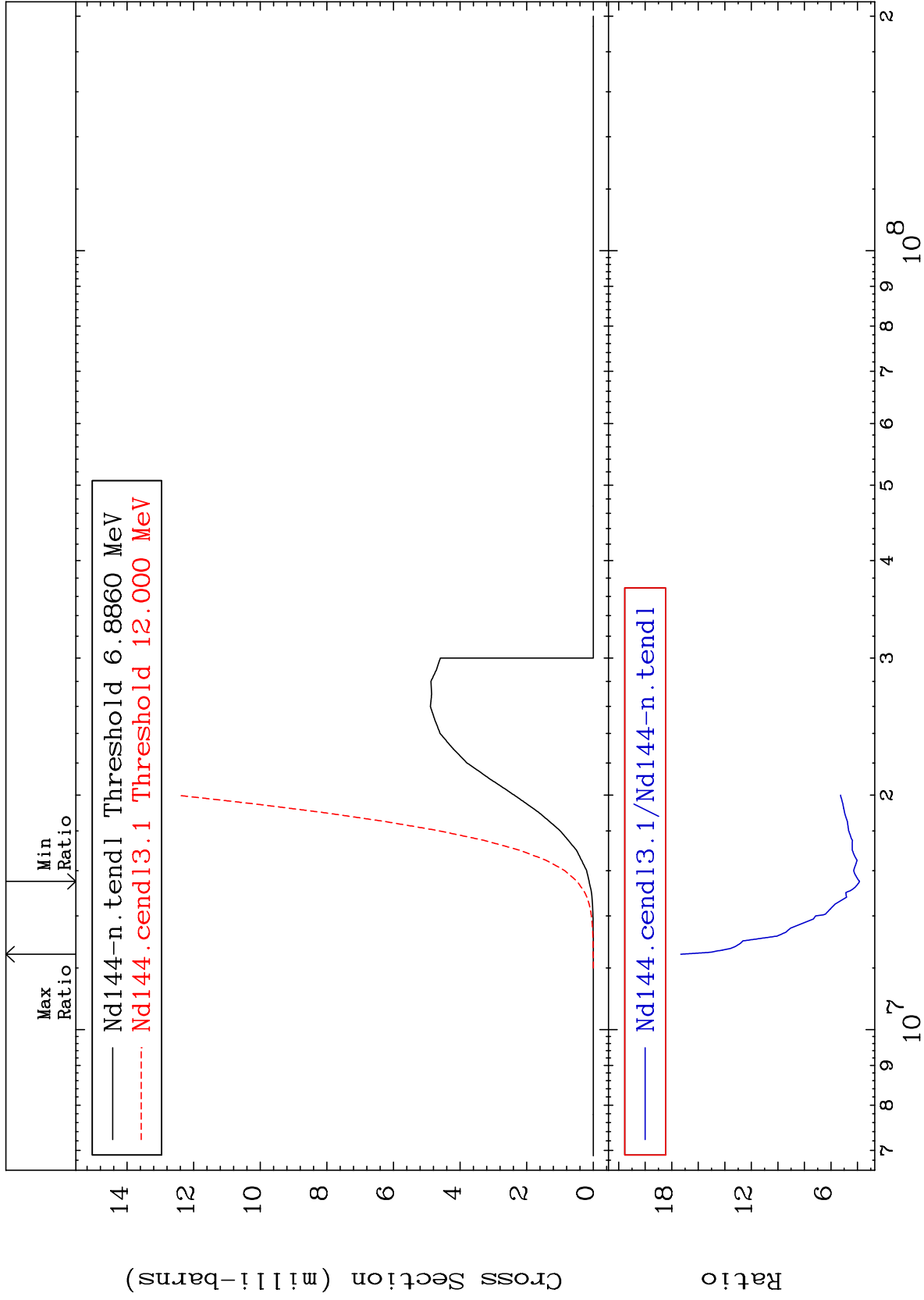
MAT 6031

(n, t)

60-Nd-144

Cross Section

284.4 To 1632. %



27

Incident Energy (eV)

60-Nd-144

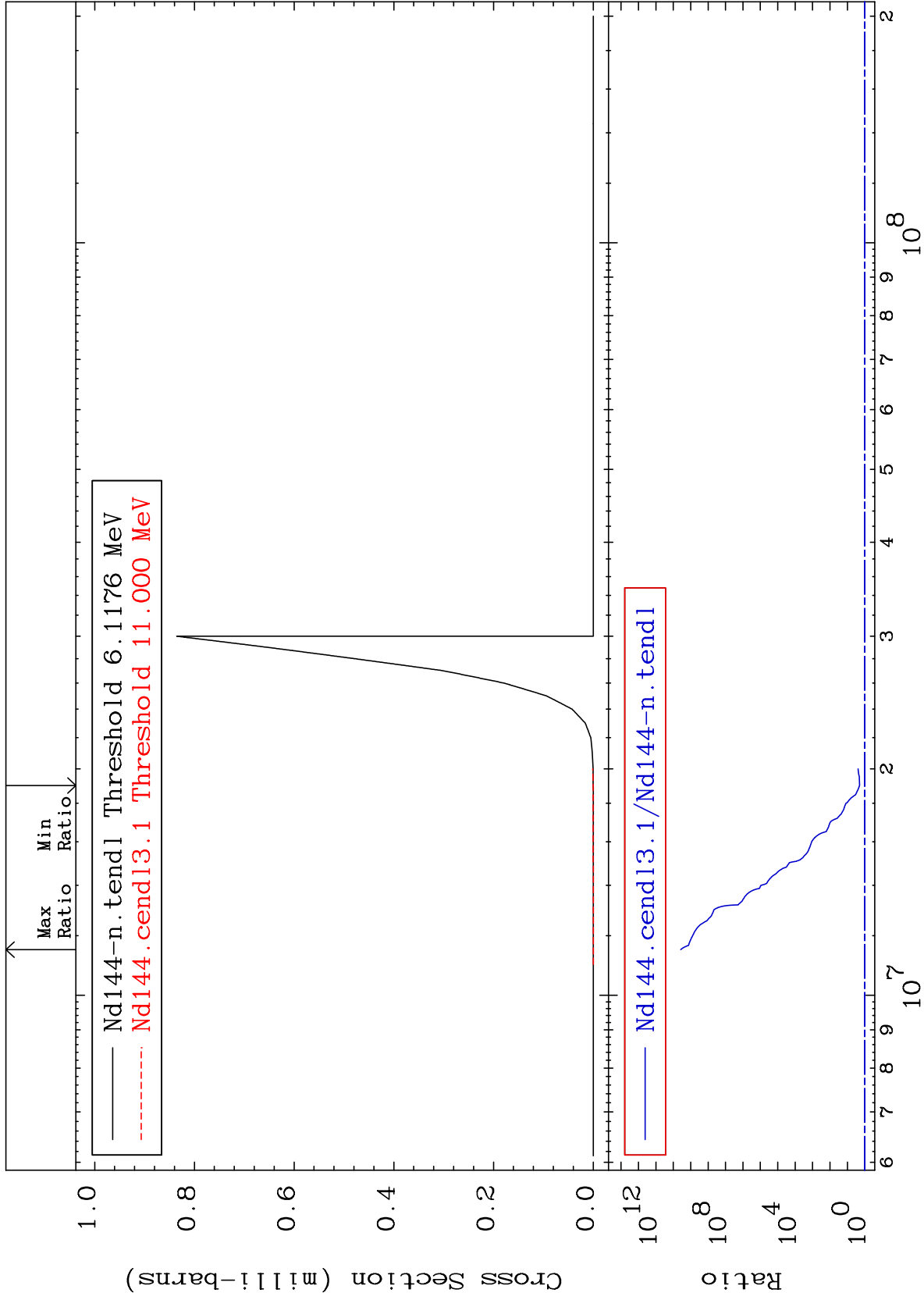
MAT 6031

(n,He-3)

60-Nd-144

Cross Section

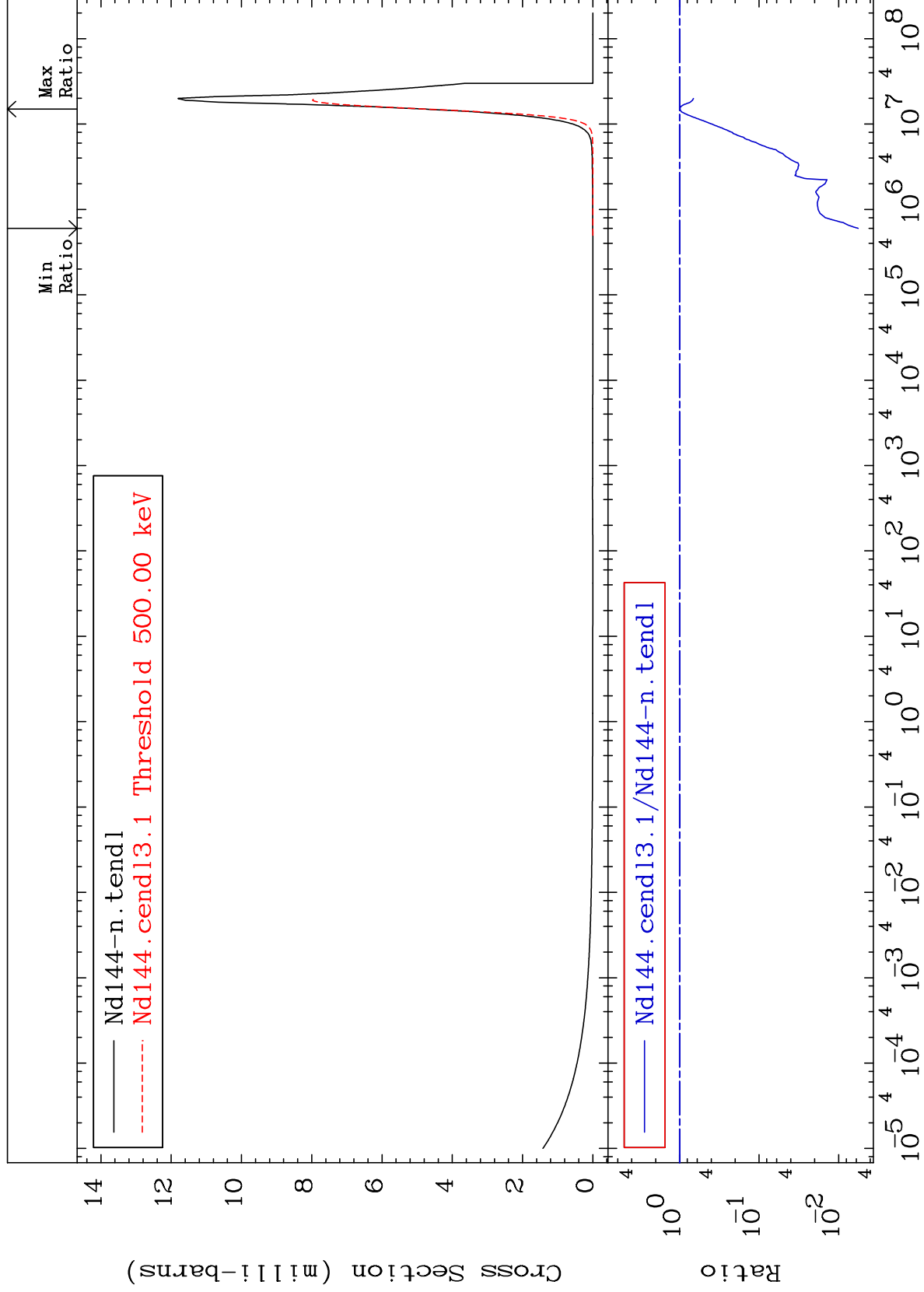
100.1 To 9999. %



MAT 6031

(n,  $\alpha$ )  
Cross Section

60-Nd-144  
-99.43 To -1.232%



29

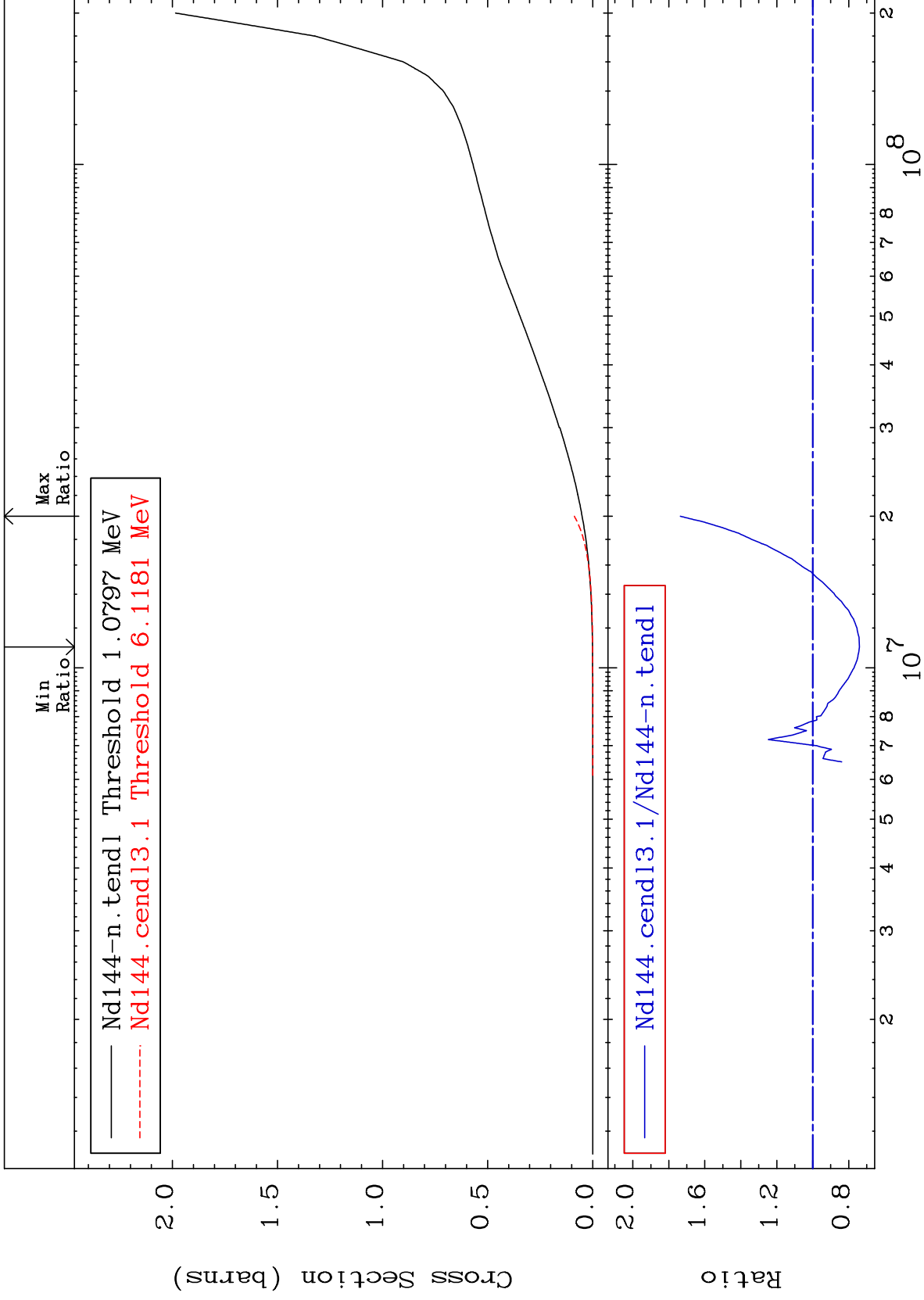
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production  
Cross Section

60-Nd-144  
-25.94 To 73.59 %



30

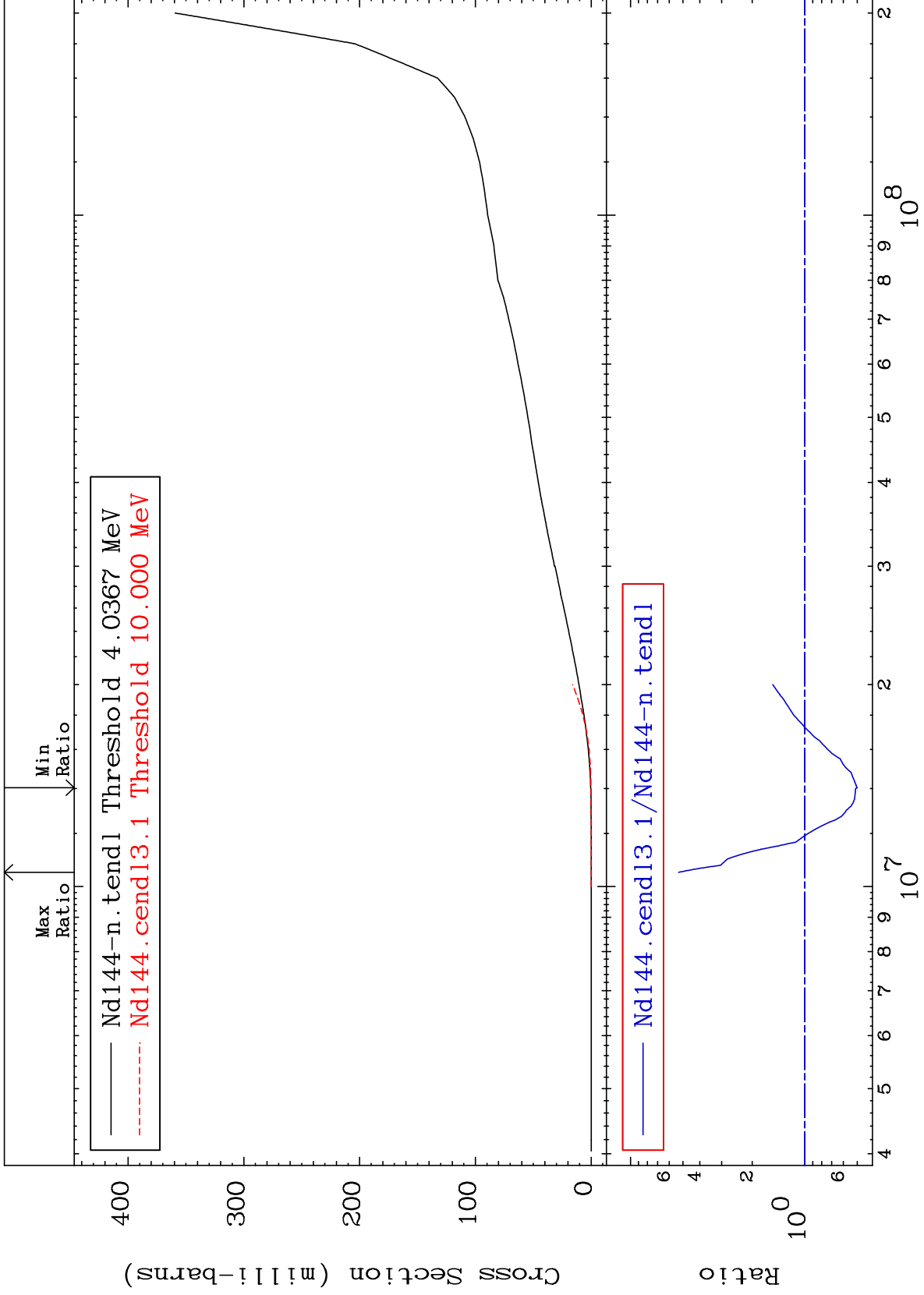
Incident Energy (eV)

60-Nd-144

MAT 6031

Deuterium Production  
Cross Section

60-Nd-144  
-50.03 To 429.6 %



31

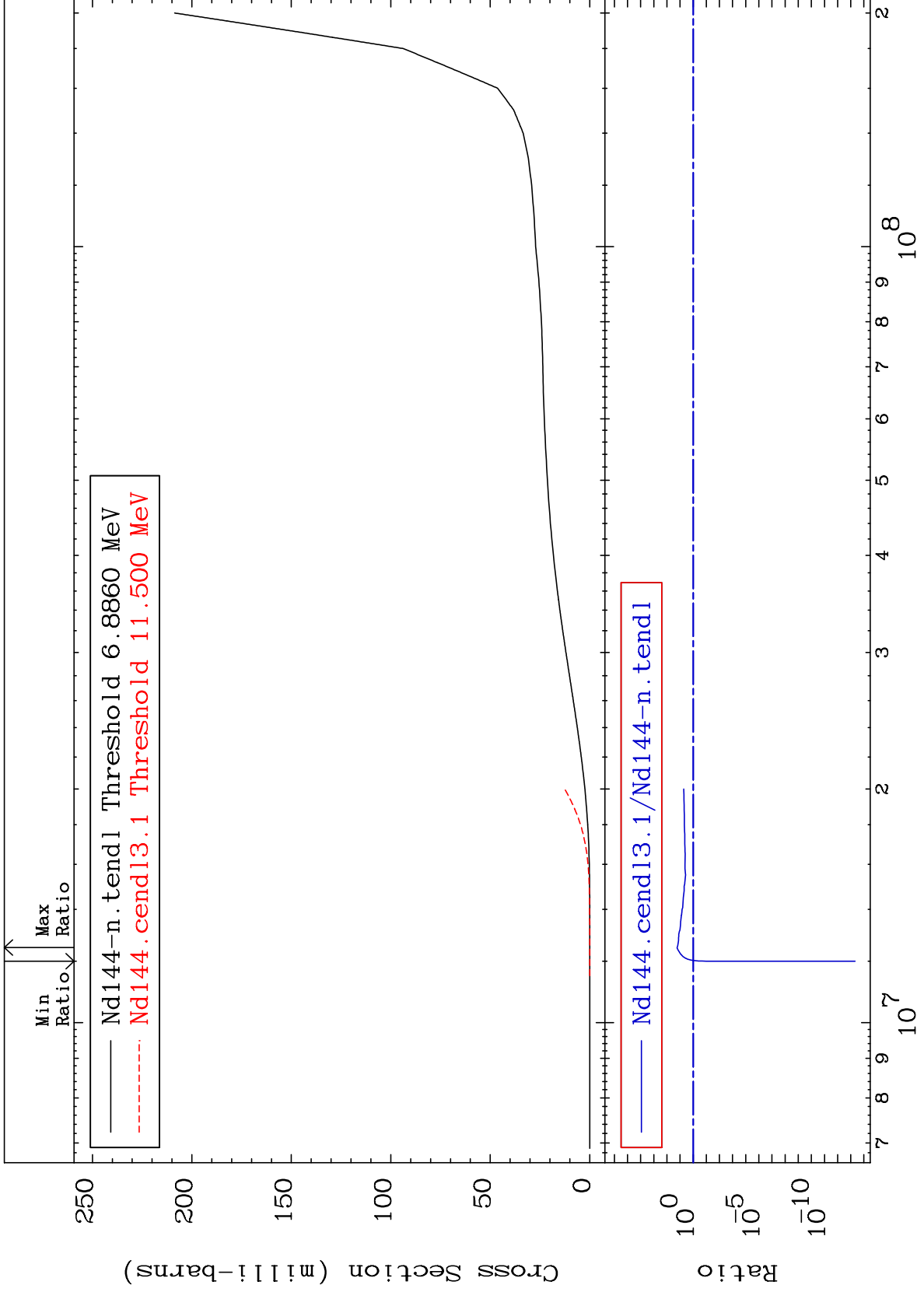
Incident Energy (eV)

60-Nd-144

MAT 6031

Tritium Production  
Cross Section

60-Nd-144  
-100.0 To 1632. %



32

Incident Energy (eV)

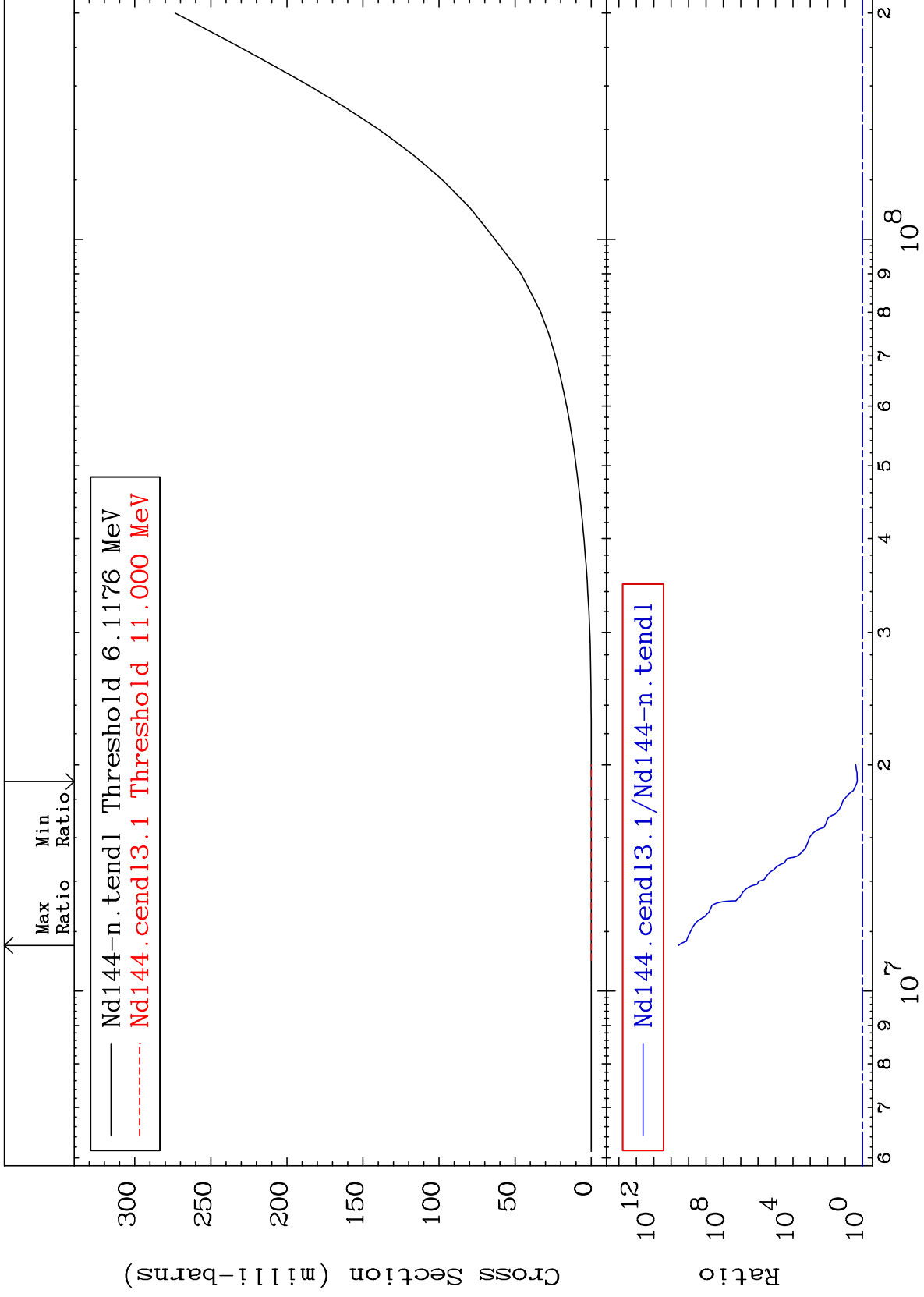
60-Nd-144



MAT 6031

He-3 Production  
Cross Section

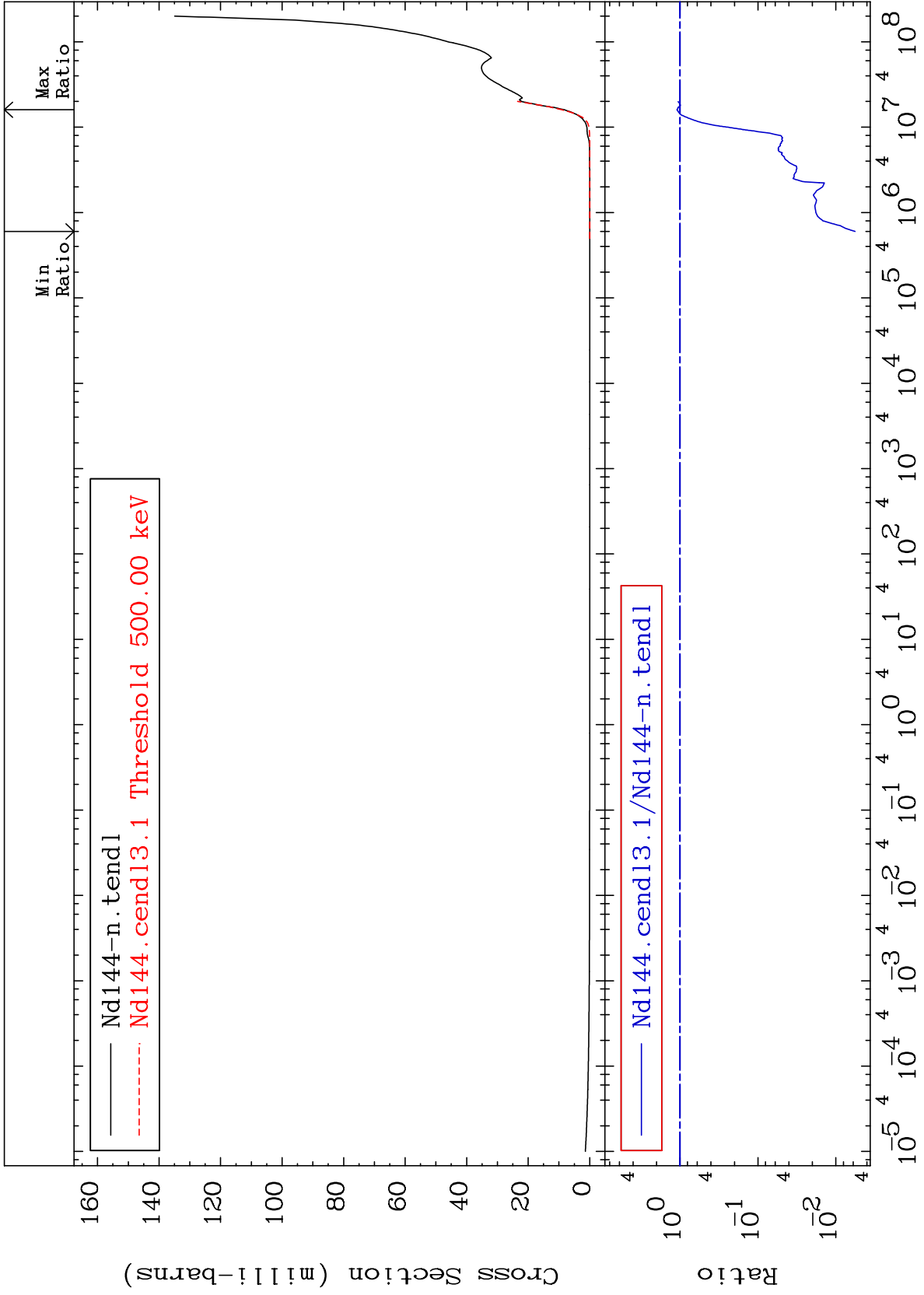
60-Nd-144  
100.1 To 9999. %



MAT 6031

He-4 Production  
Cross Section

60-Nd-144  
-99.43 To 9.438 %



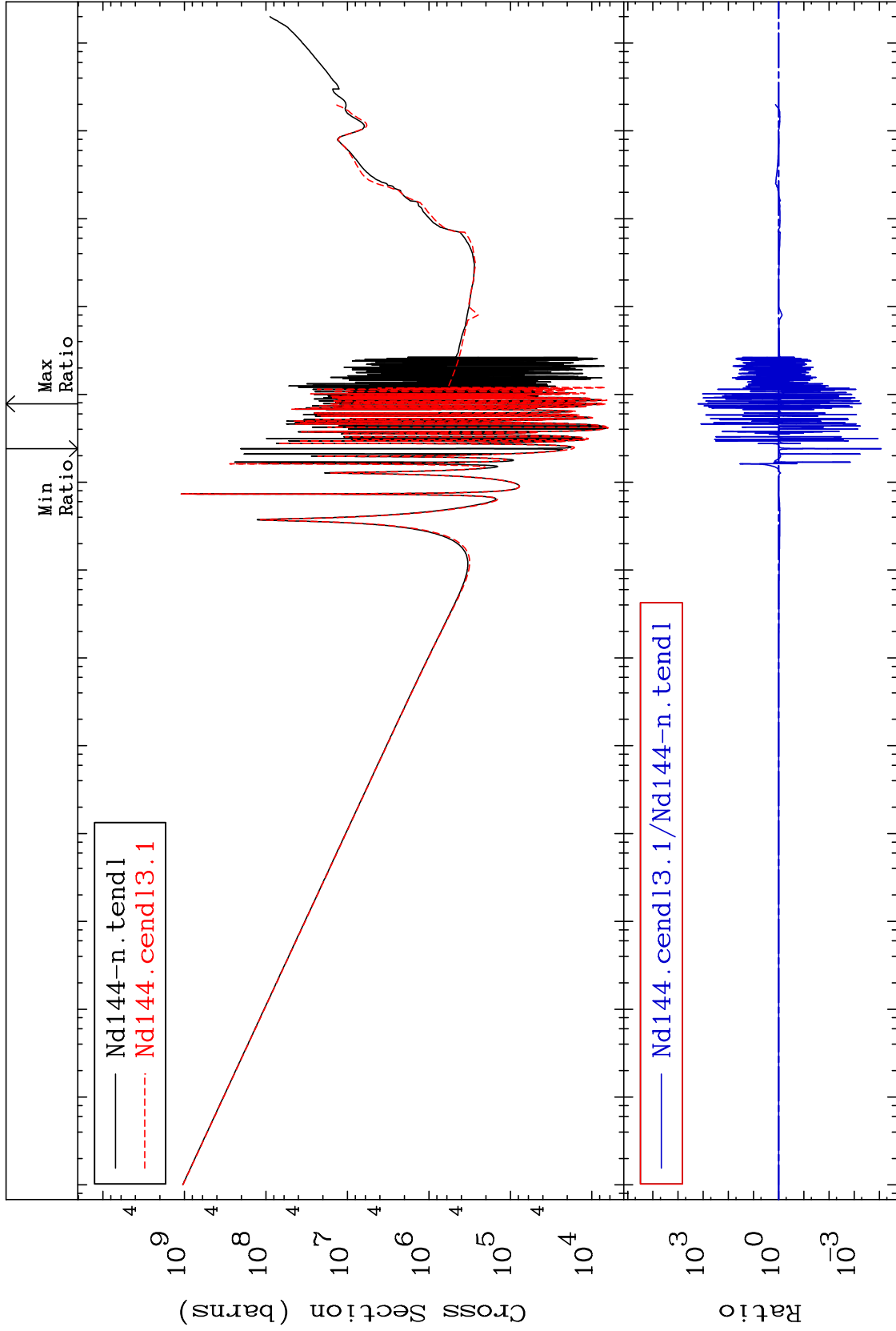
34

Incident Energy (eV)

60-Nd-144

Cross Section

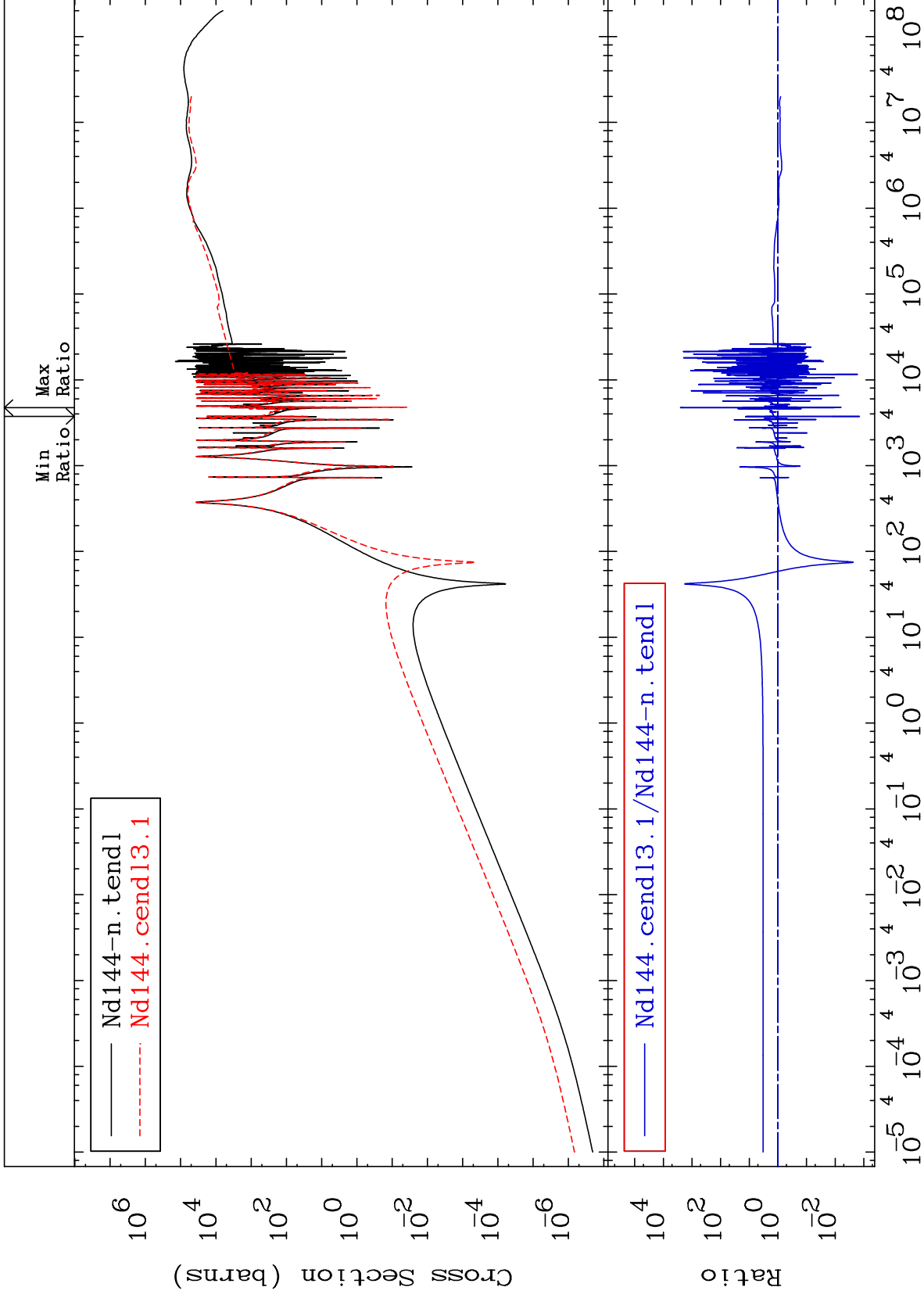
-99.99 To 9999. %

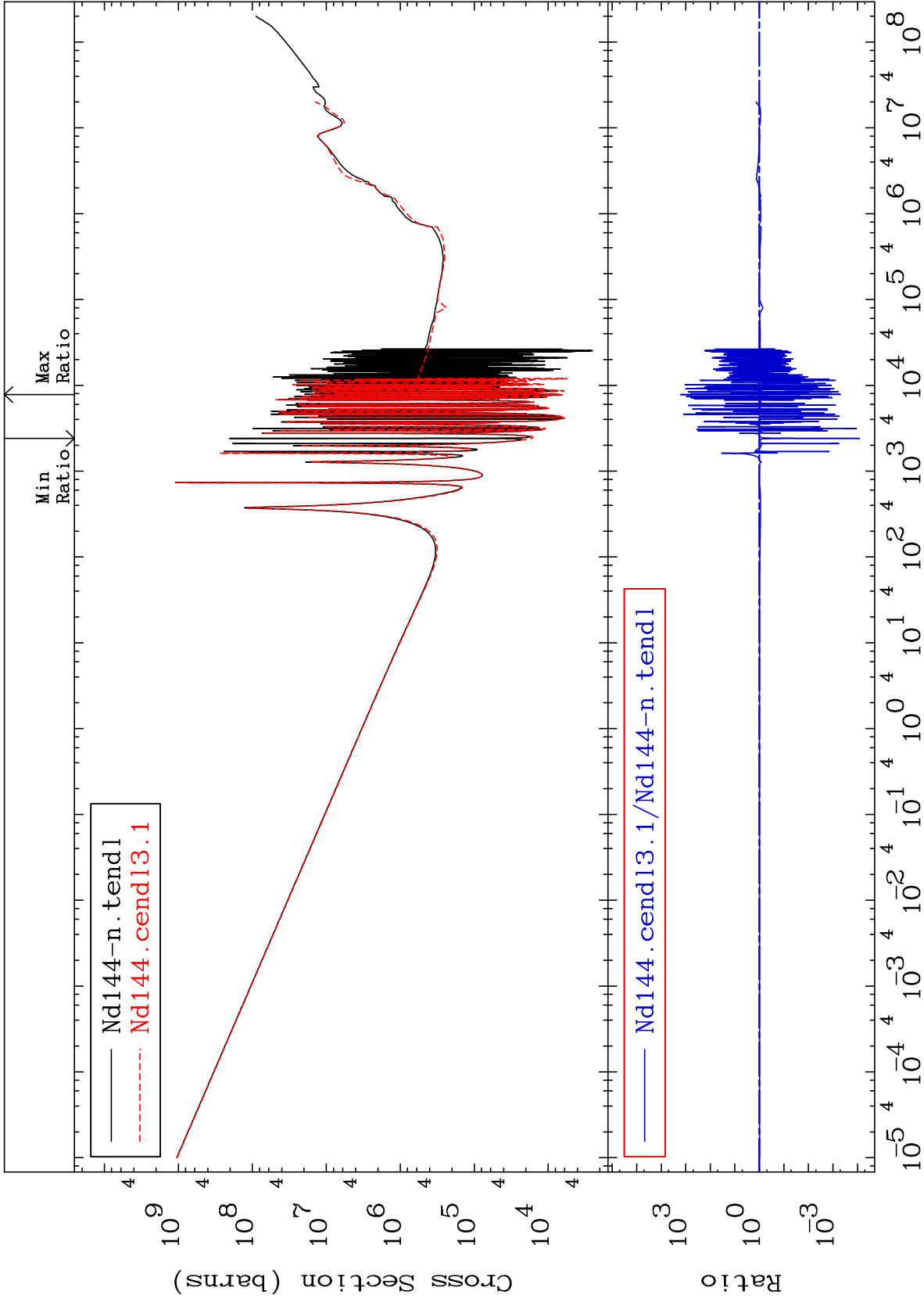


MAT 6031

Kerma elastic  
Cross Section

60-Nd-144  
-99.86 To 9999. %

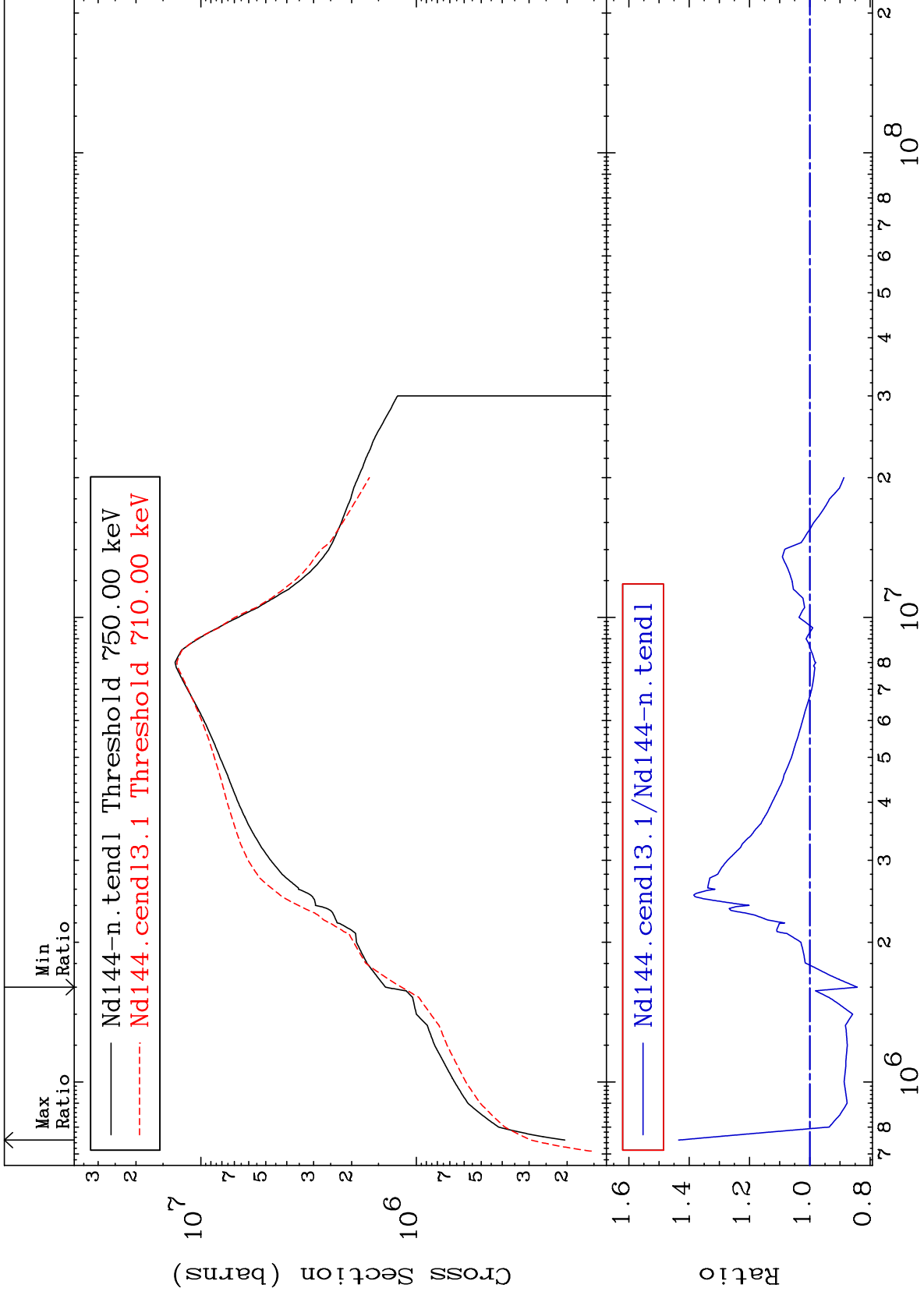




MAT 6031

Kerma inelastic (mt51-91)  
Cross Section

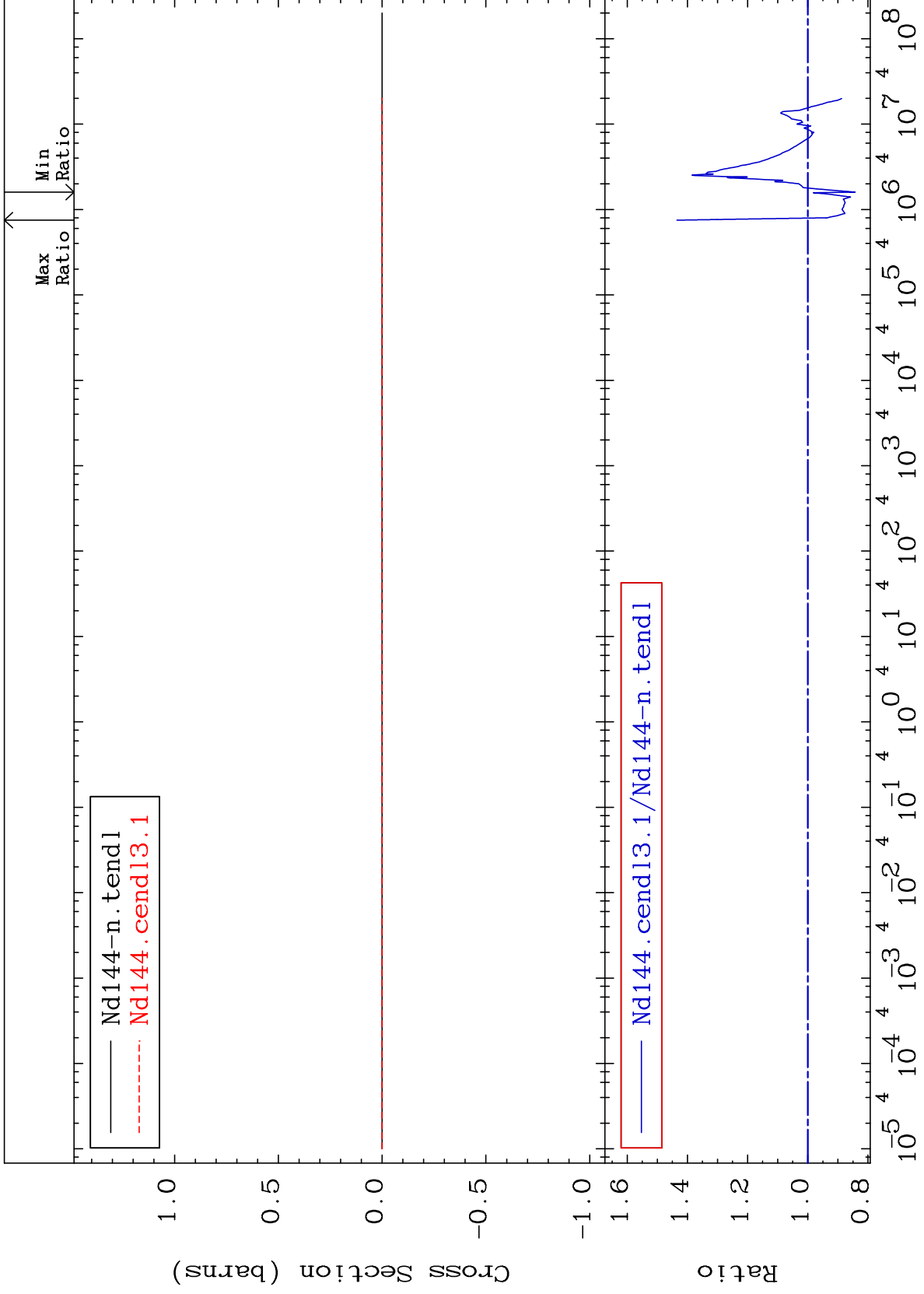
60-Nd-144  
-15.72 To 43.48 %



MAT 6031

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

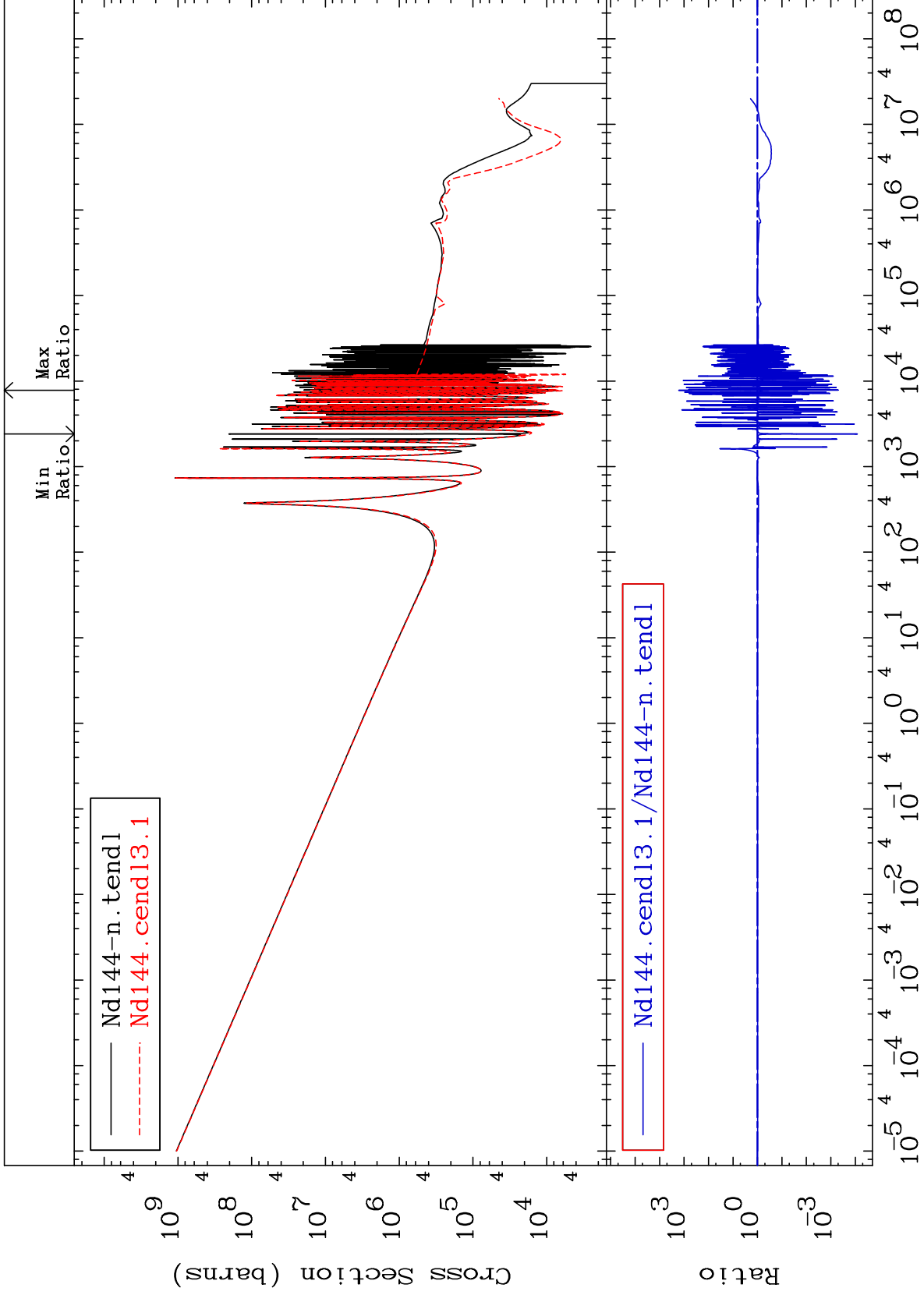
60-Nd-144  
-15.72 To 43.48 %



MAT 6031

Kerma capture (mt102)  
Cross Section

60-Nd-144  
-99.99 To 9999. %

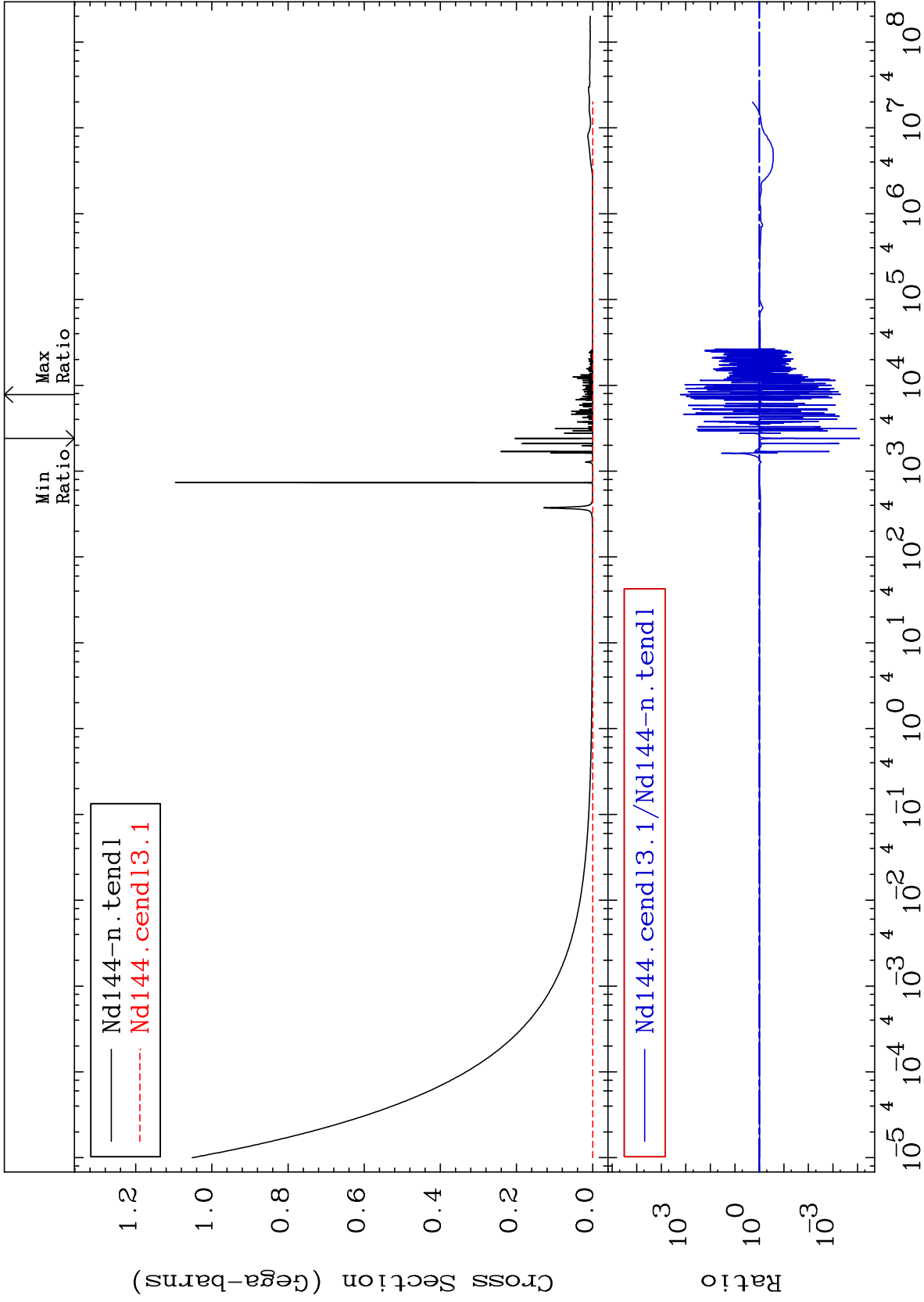


Incident Energy (eV)

40

60-Nd-144

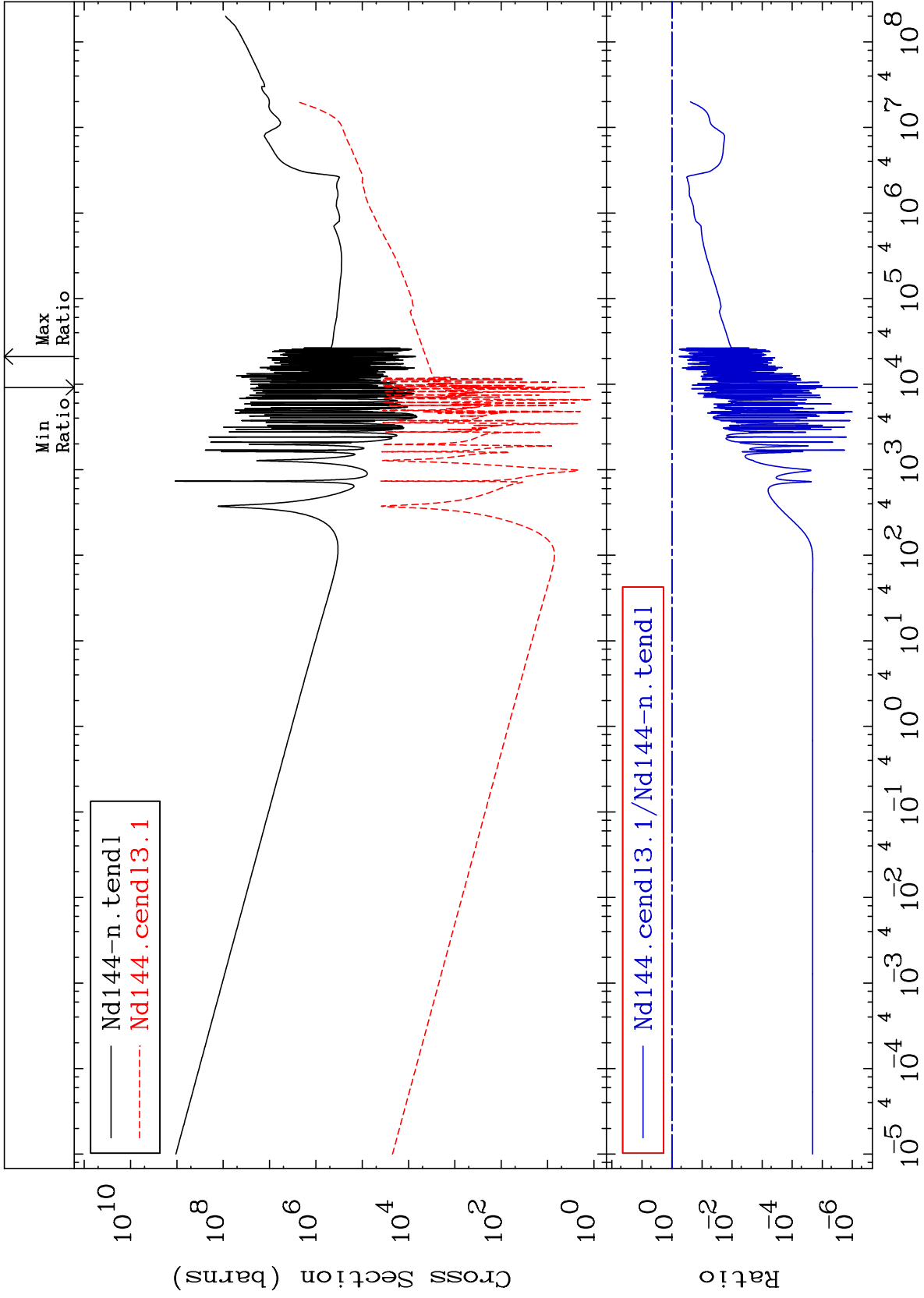




MAT 6031

Total kinematic kerma (high limit)  
Cross Section

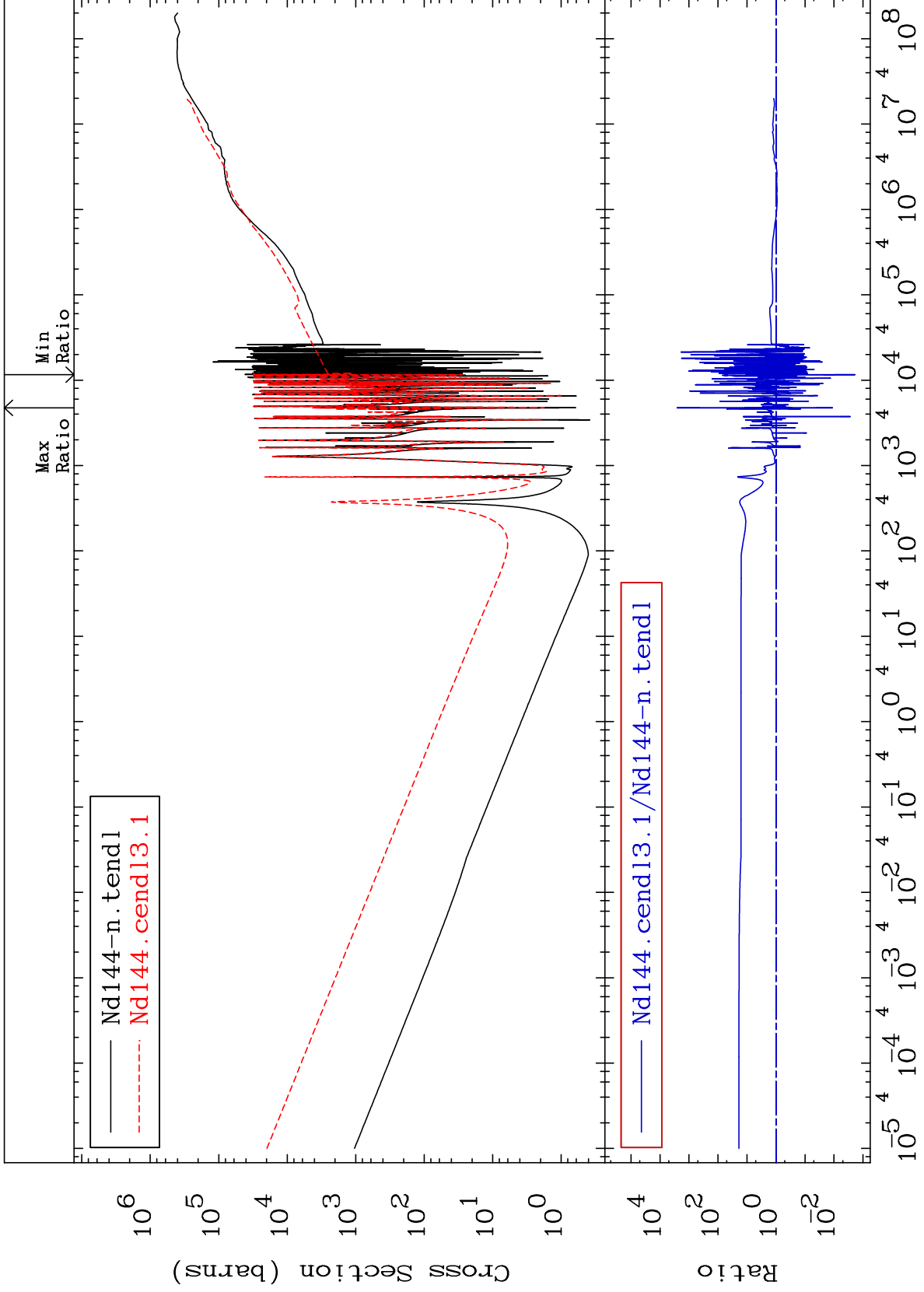
60-Nd-144  
-100.0 To -40.09%



MAT 6031

Dpa total (eV-barns)  
Cross Section

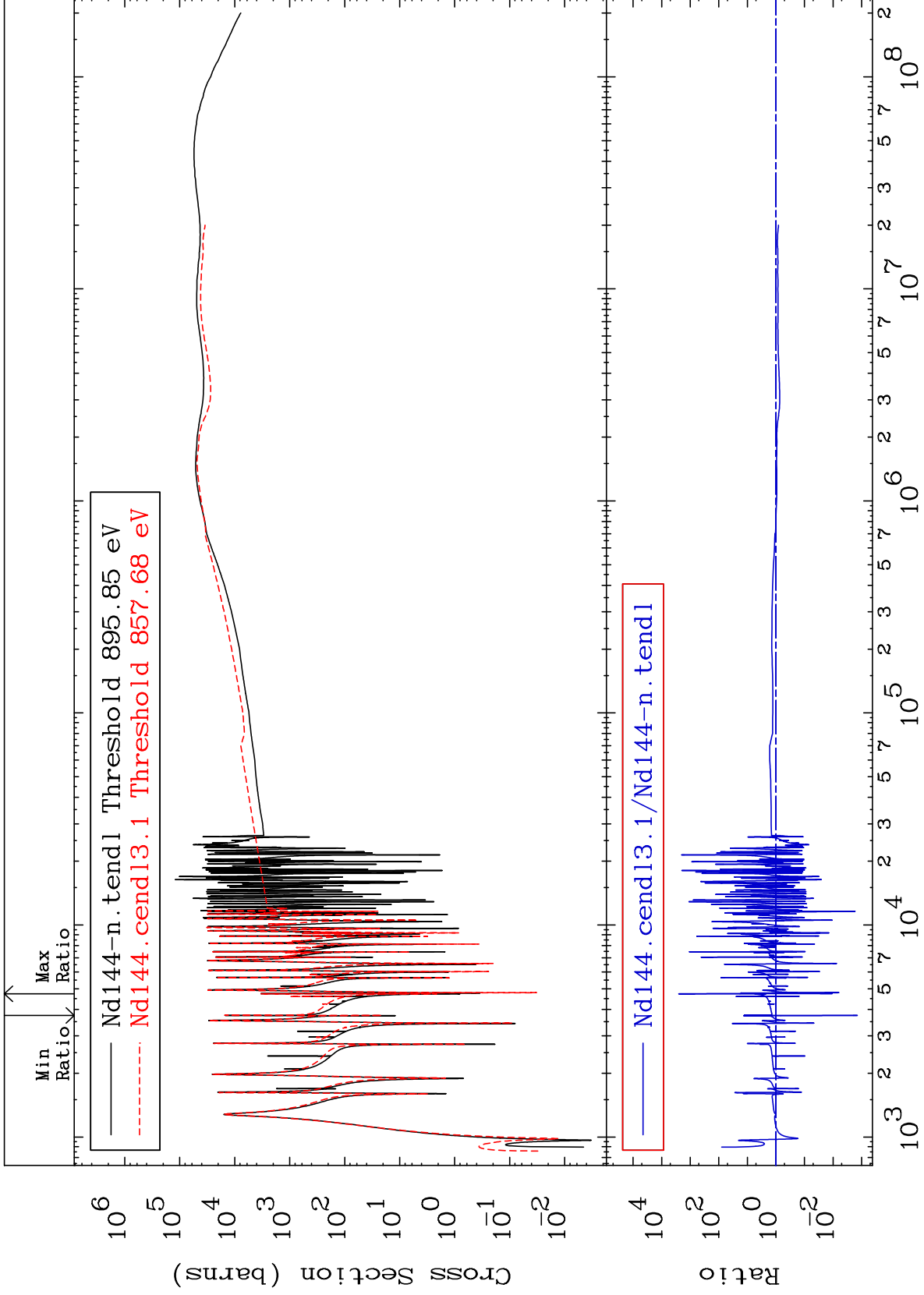
60-Nd-144  
-99.81 To 9999. %



MAT 6031

Dpa elastic (mt2)  
Cross Section

60-Nd-144  
-99.86 To 9999. %



44

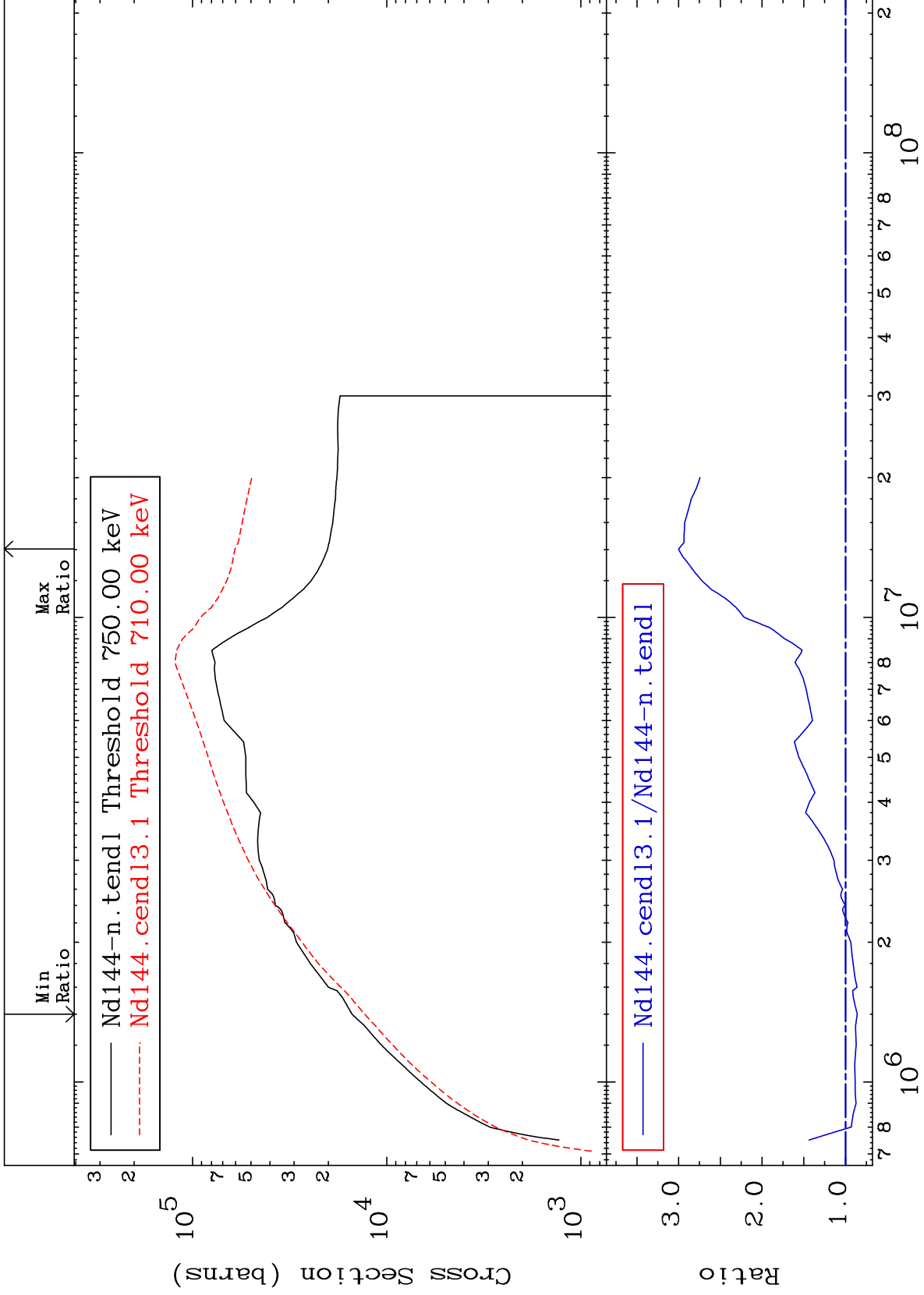
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa inelastic (mt51-91)  
Cross Section

60-Nd-144  
-14.02 To 200.0 %



45

Incident Energy (eV)

60-Nd-144

