

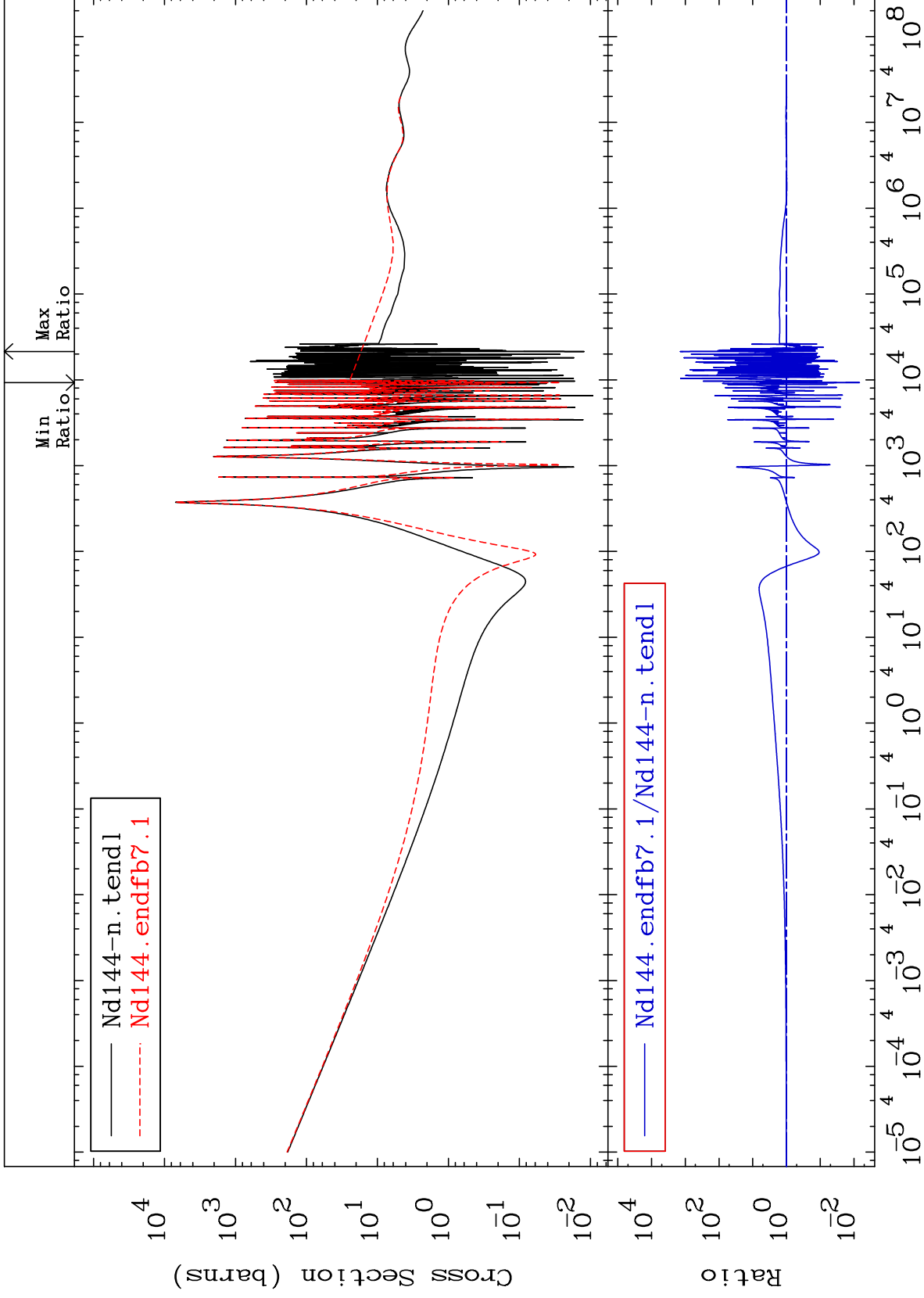
MAT 6031

Total

60-Nd-144

Cross Section

-99.31 To 9999. %



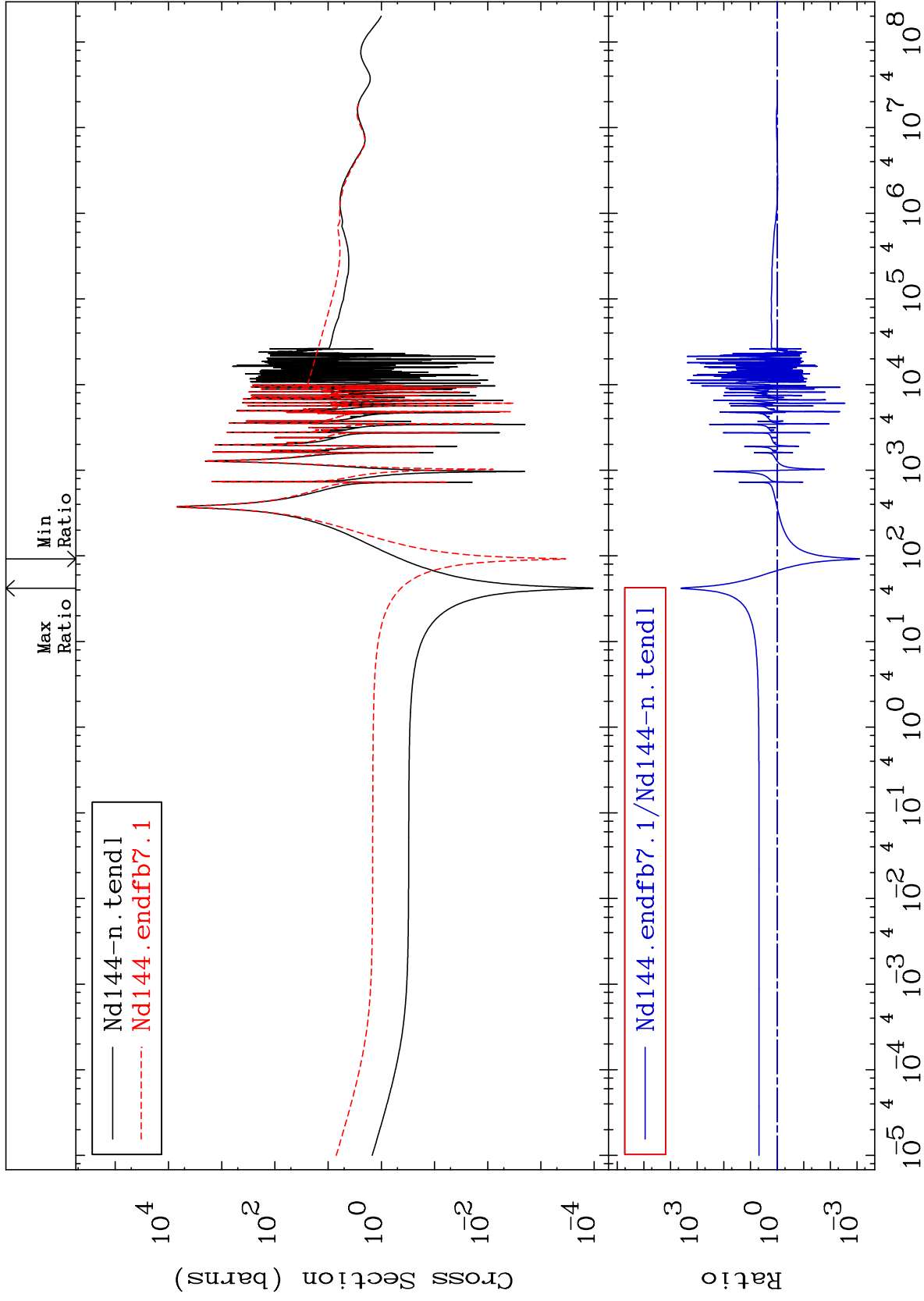
Incident Energy (eV)

60-Nd-144

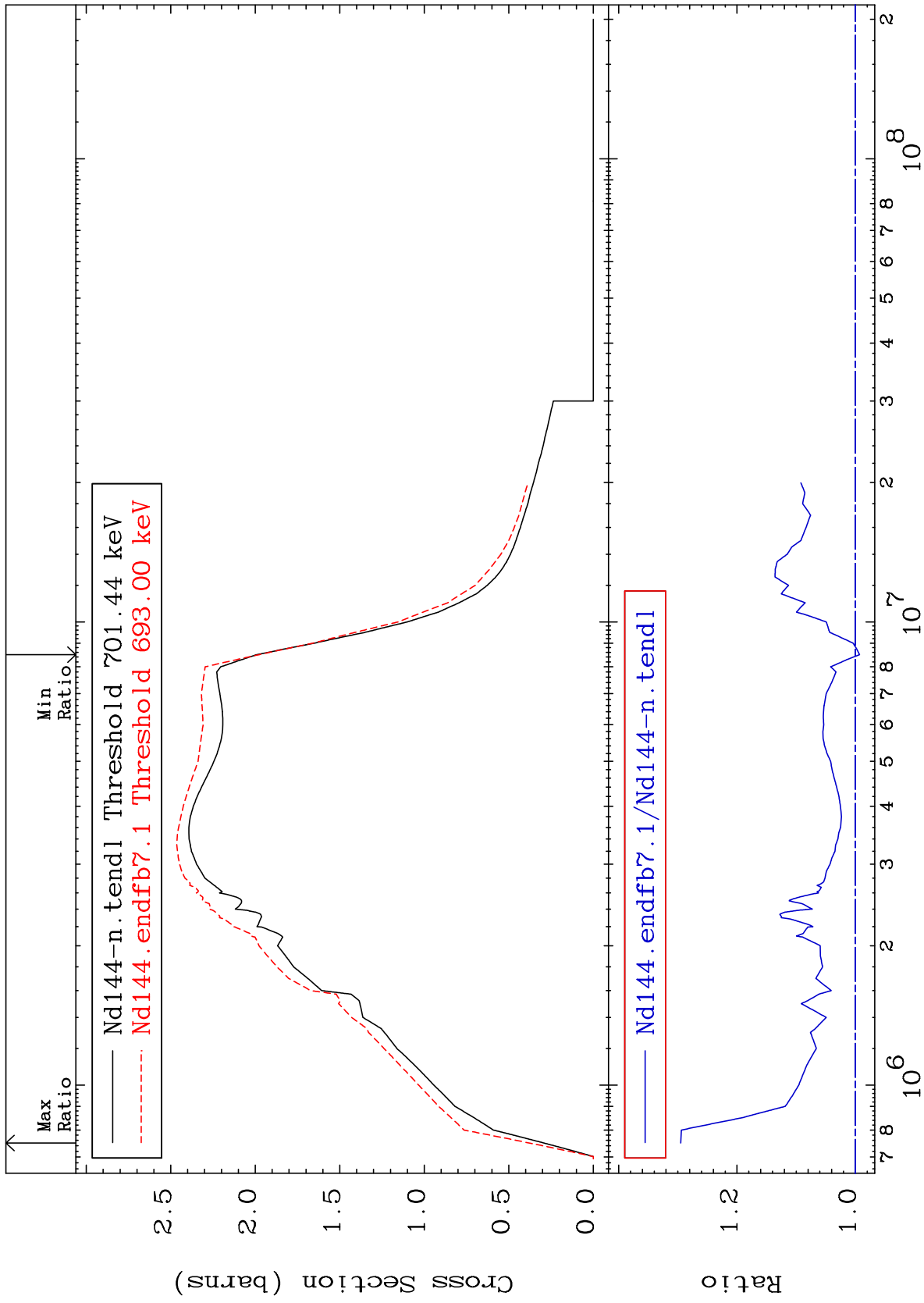
MAT 6031

Elastic  
Cross Section

60-Nd-144  
-99.92 To 9999. %



MAT 6031 Inelastic Cross Section 60-Nd-144 -0.706 To 29.51 %

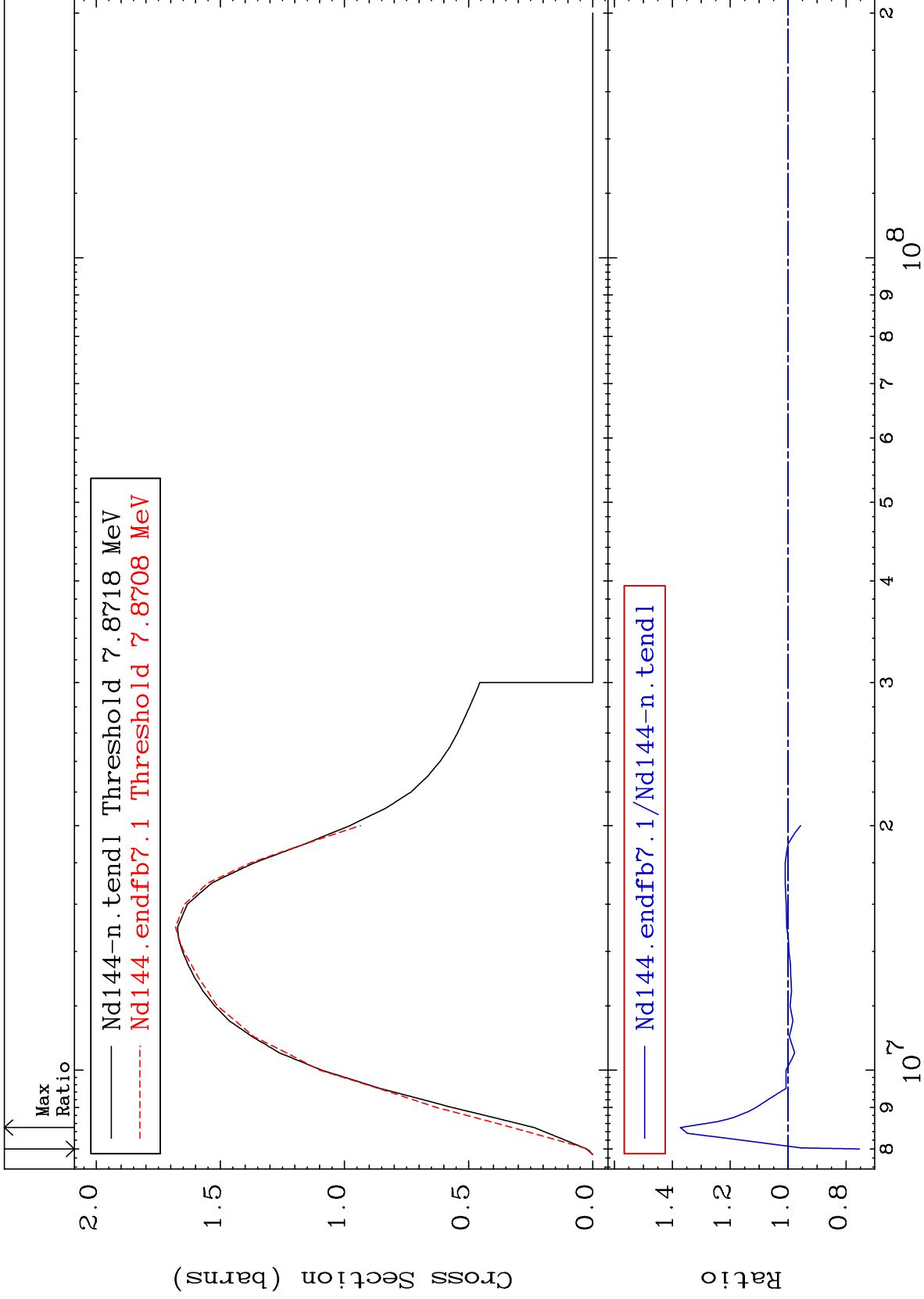


3 Incident Energy (eV) 60-Nd-144

MAT 6031

(n,2n)  
Cross Section

60-Nd-144  
-24.63 To 37.21 %



4

Incident Energy (eV)

60-Nd-144

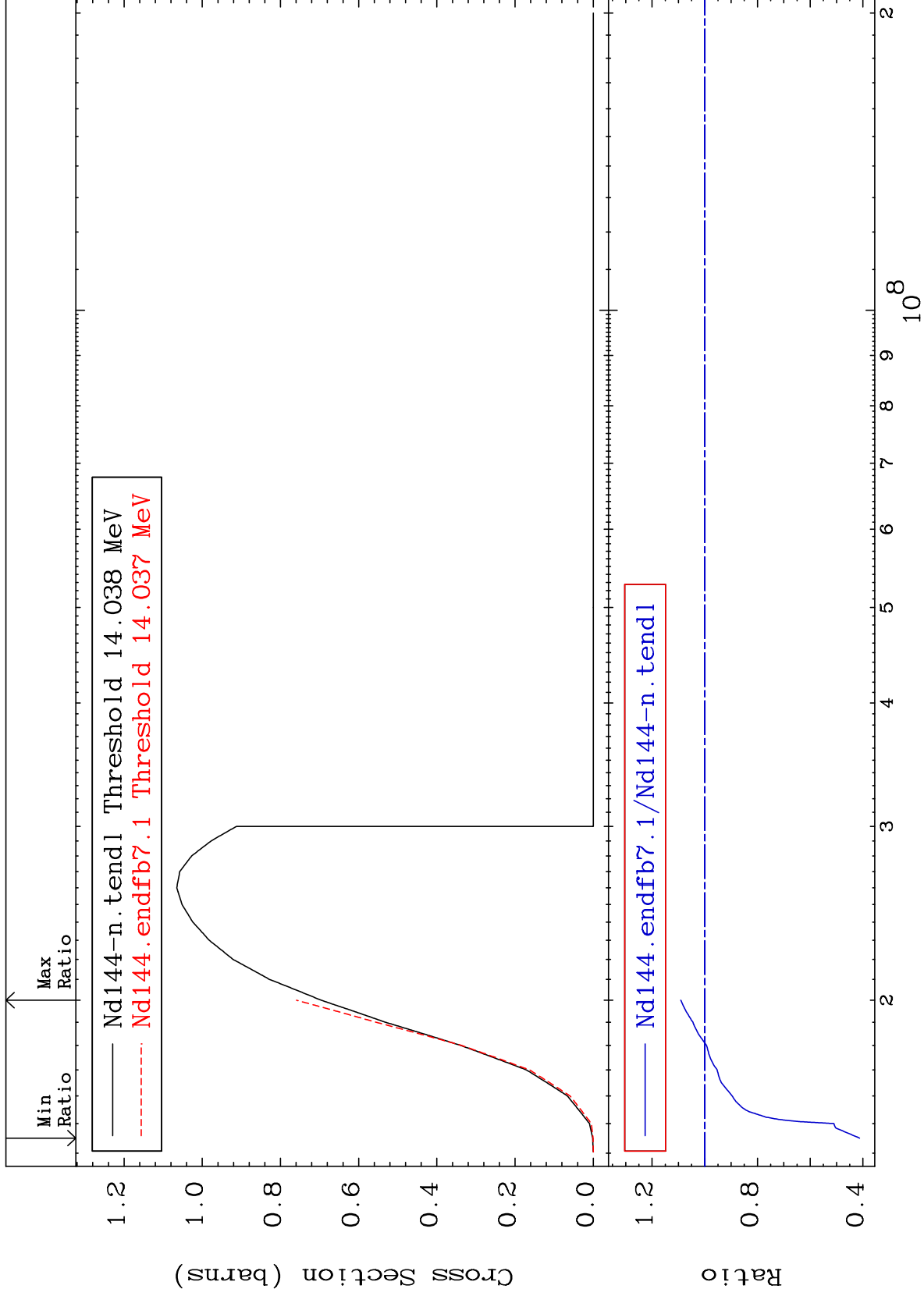
MAT 6031

(n,3n)

60-Nd-144

Cross Section

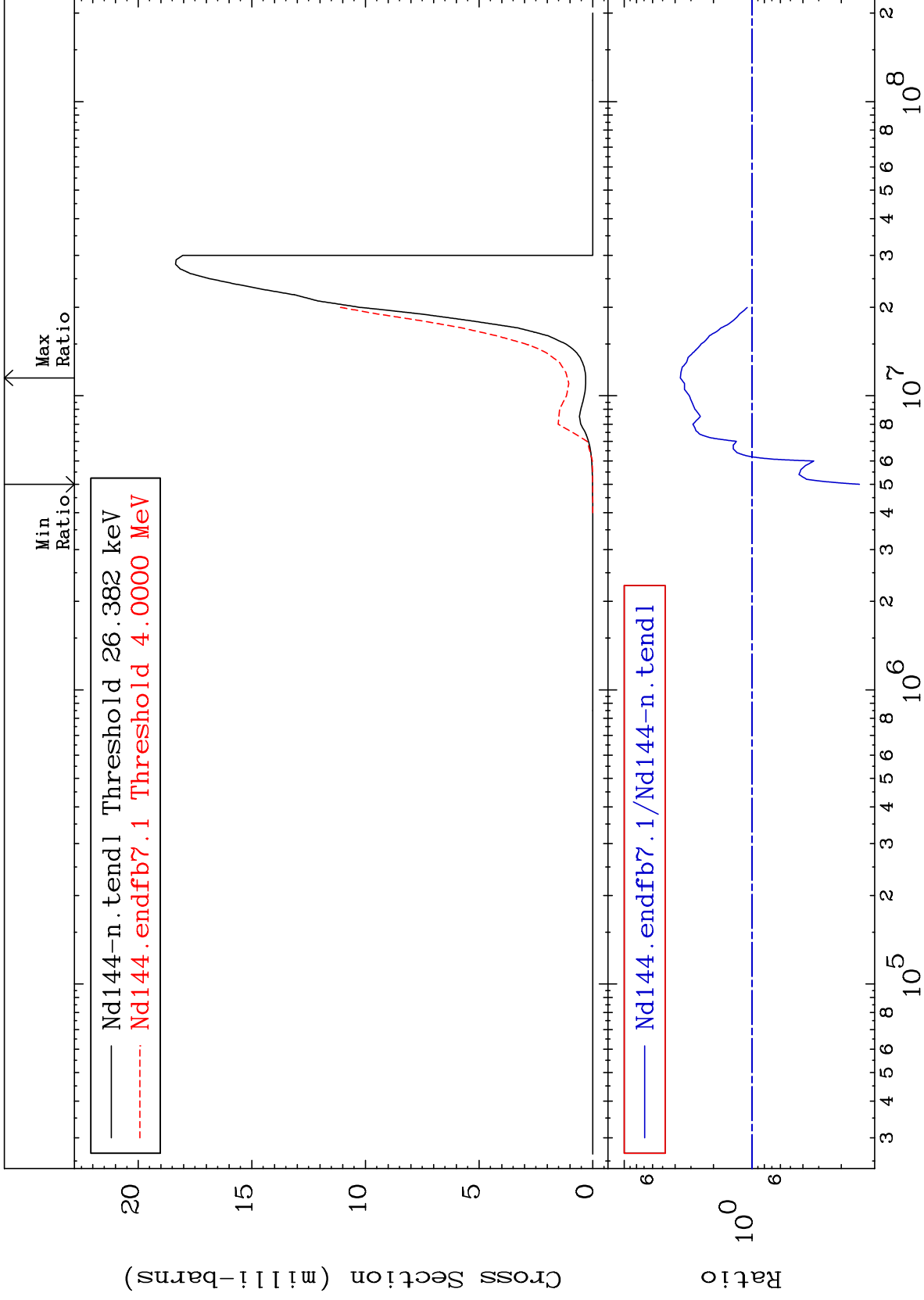
-58.72 To 9.105 %



MAT 6031

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

60-Nd-144  
-85.57 To 263.6 %



6

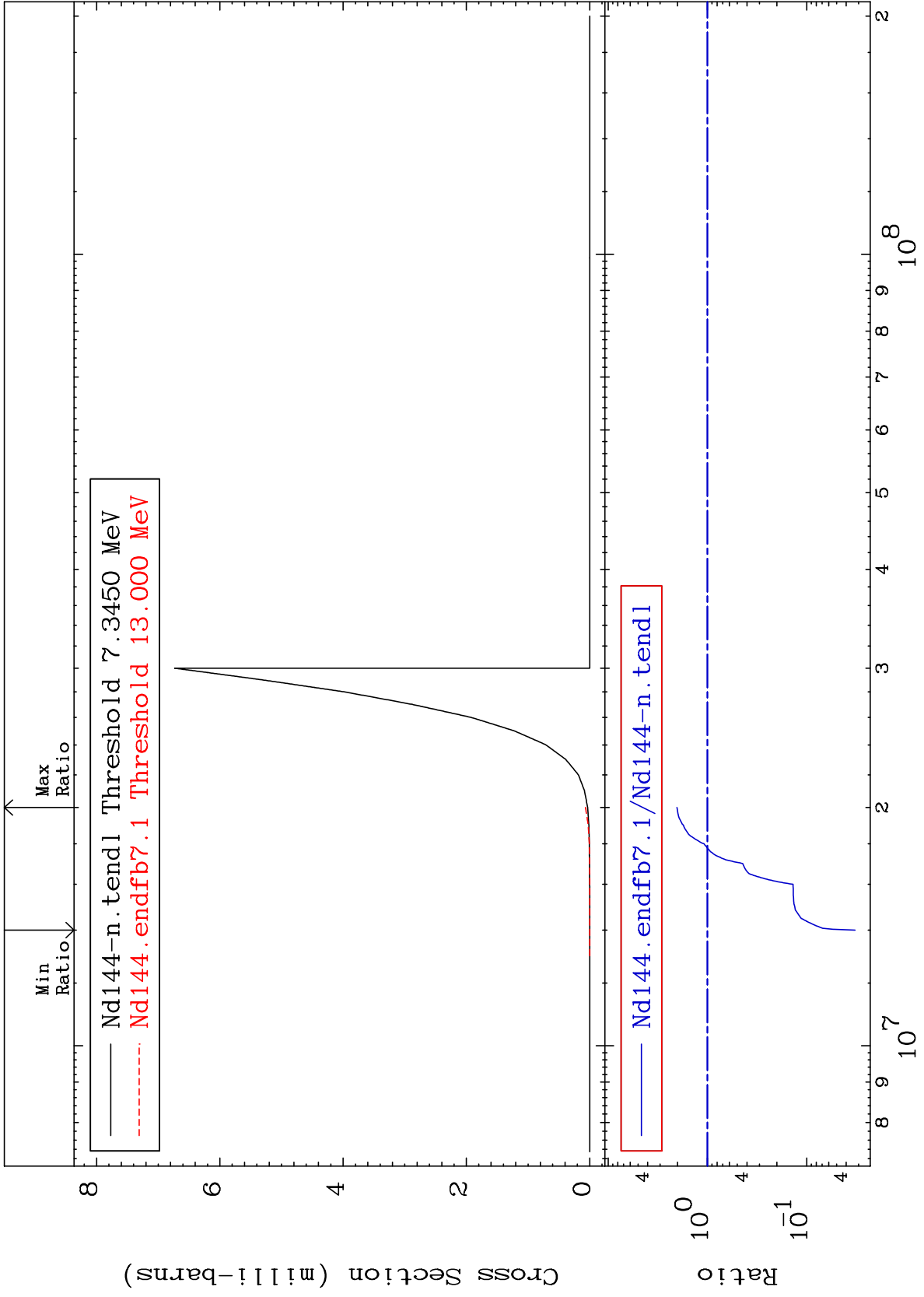
Incident Energy (eV)

60-Nd-144

MAT 6031

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

60-Nd-144  
-96.74 To 102.9 %



7

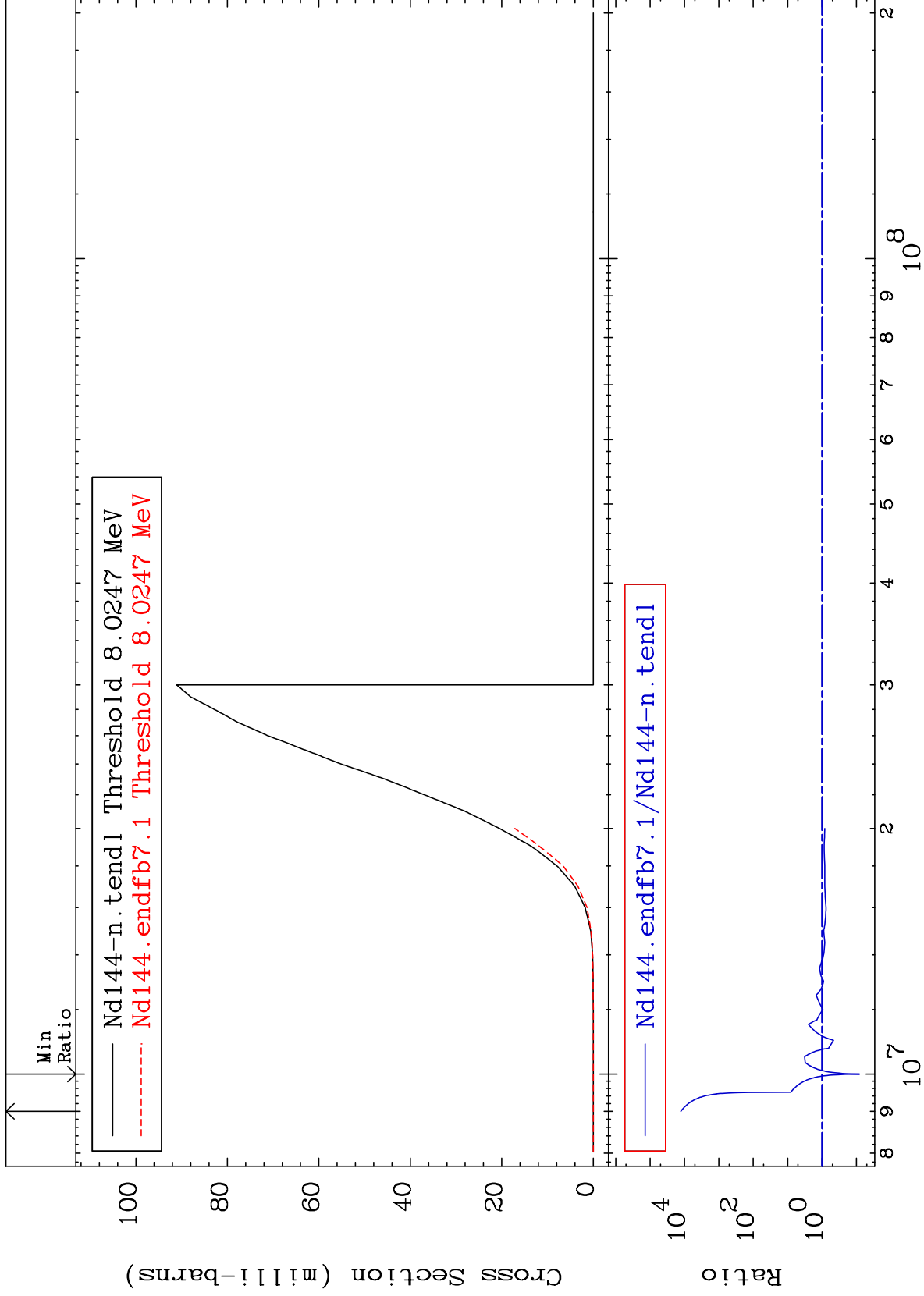
60-Nd-144

60-Nd-144

MAT 6031

(n,n') p  
Cross Section

60-Nd-144  
-91.87 To 9999. %



8

Incident Energy (eV)

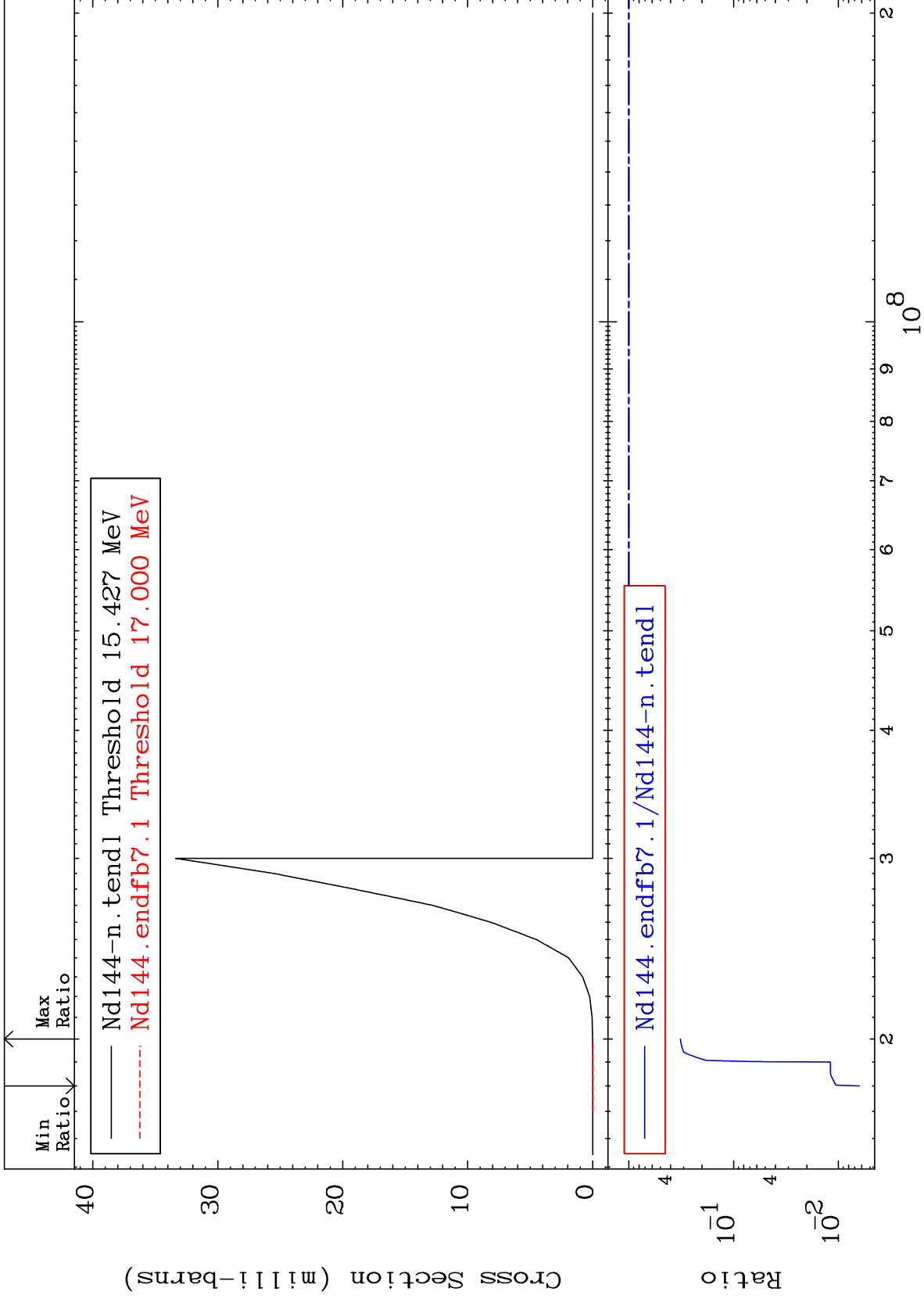
60-Nd-144



MAT 6031

(n,2n) p  
Cross Section

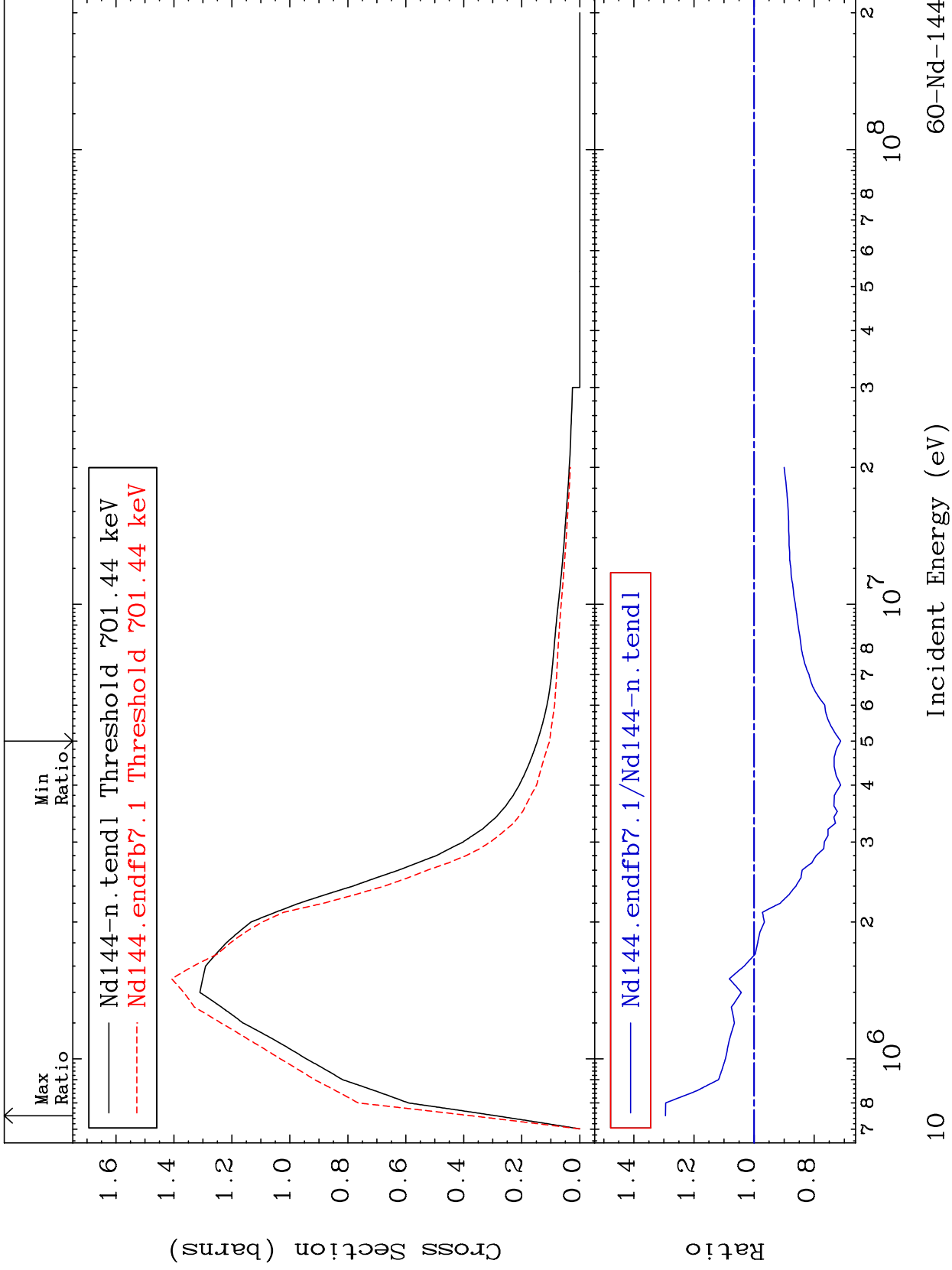
60-Nd-144  
-99.37 To -67.77%



MAT 6031

696.6 keV (n,n') Level  
Cross Section

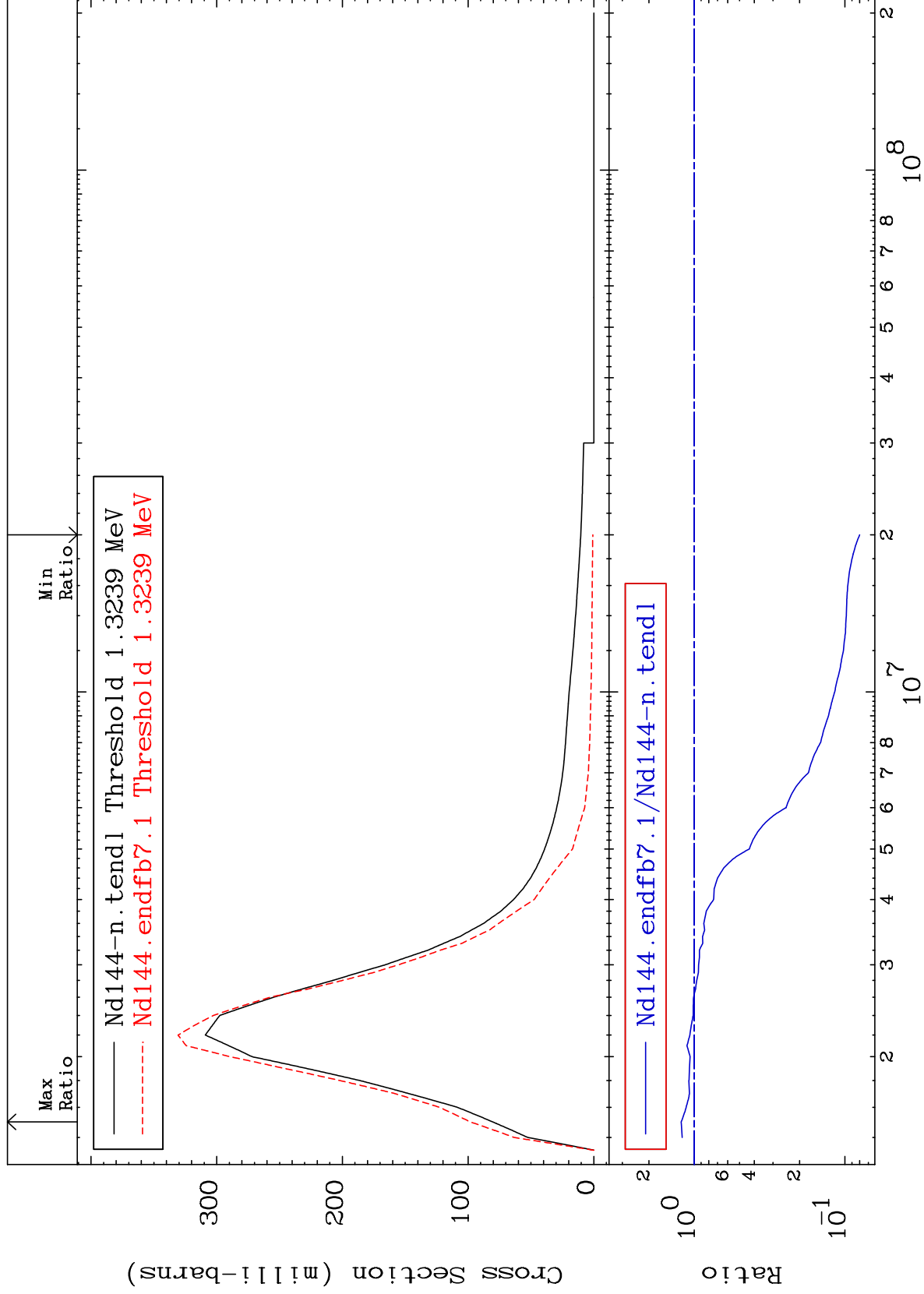
60-Nd-144  
-28.79 To 29.47 %



MAT 6031

1.315 MeV (n,n') Level  
Cross Section

60-Nd-144  
-92.01 To 22.12 %

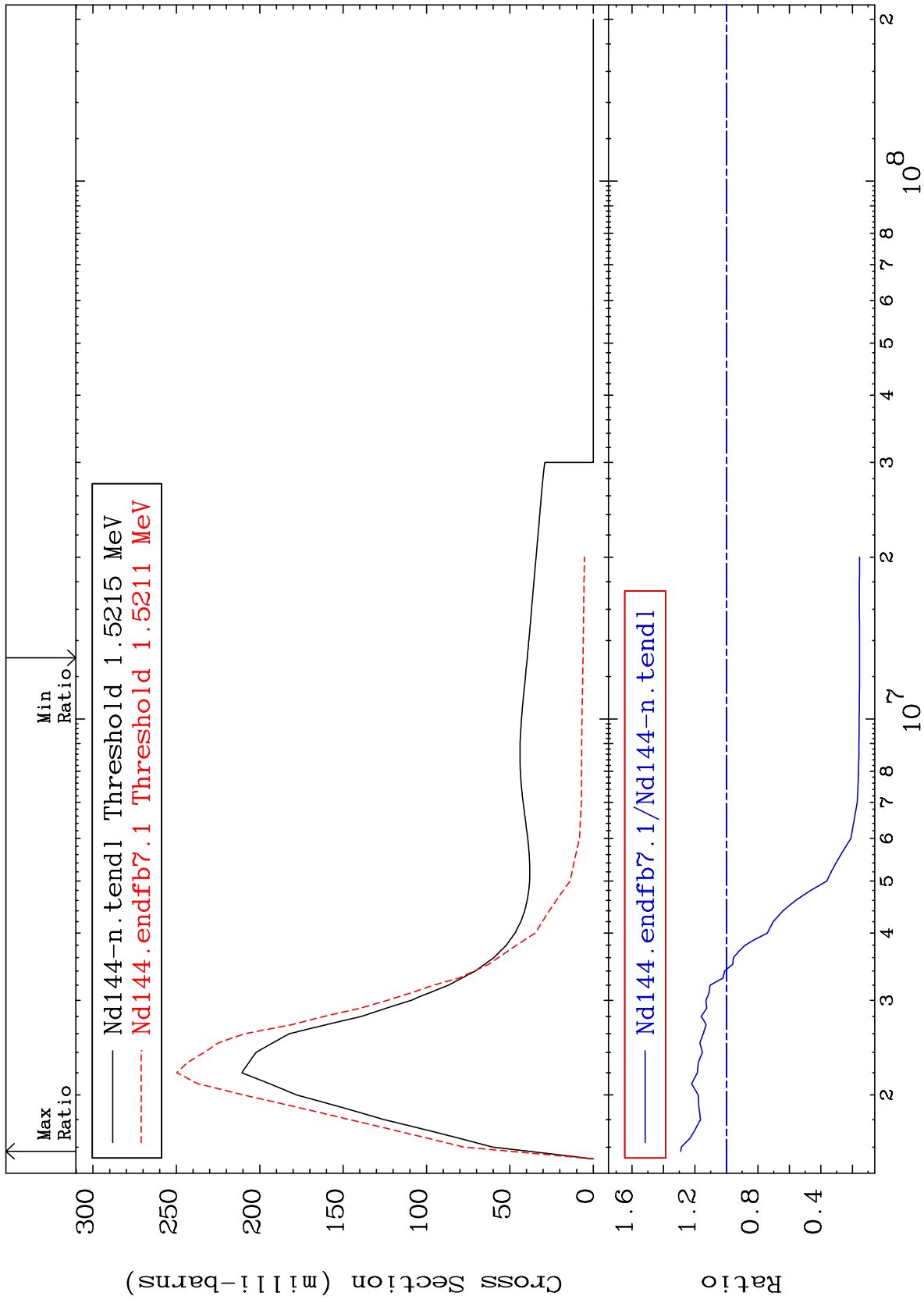


11

Incident Energy (eV)

60-Nd-144

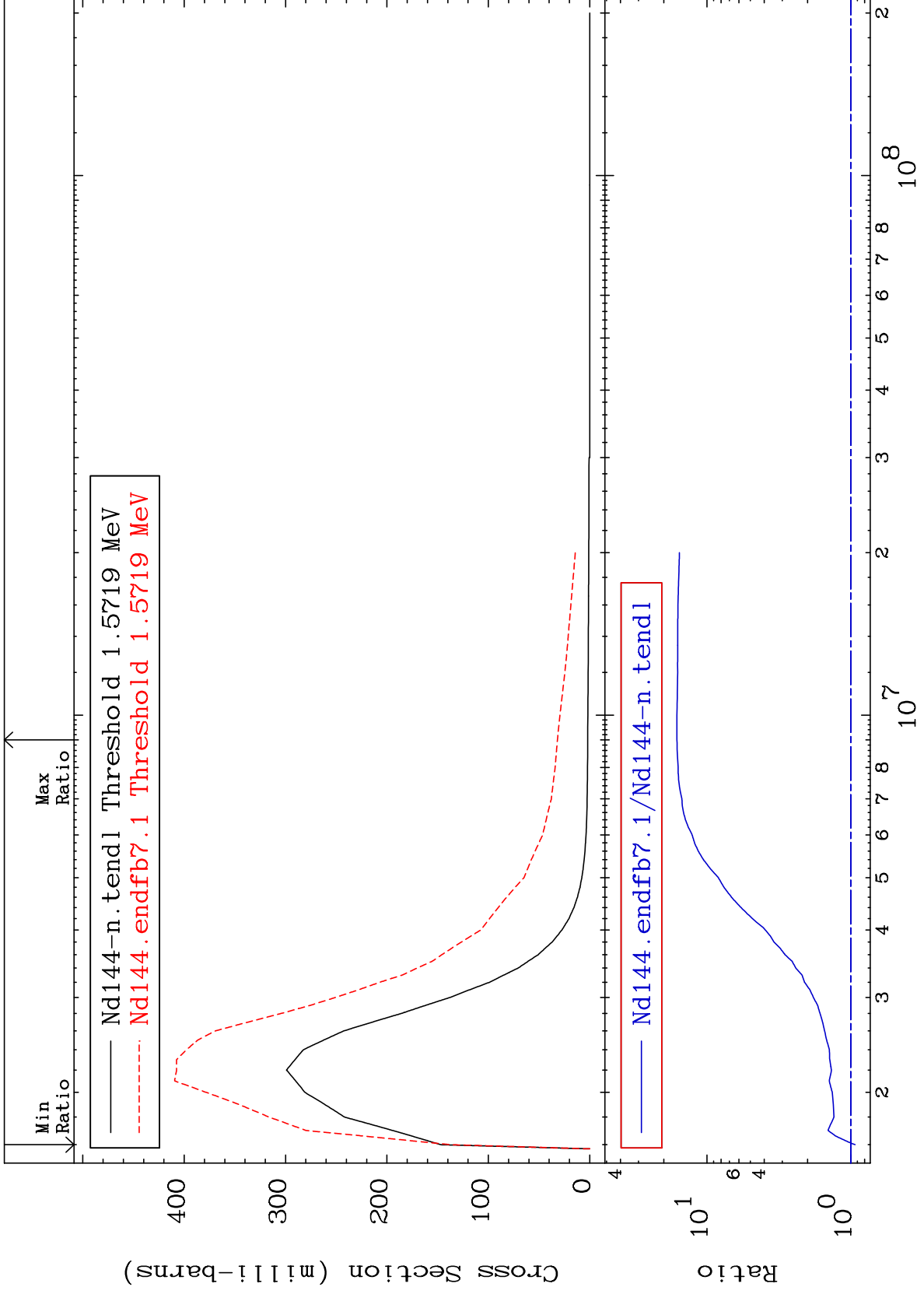
MAT 6031      1.511 MeV (n,n') Level      60-Nd-144  
 Cross Section      -84.53 To 29.02 %



MAT 6031

1.561 MeV (n,n') Level  
Cross Section

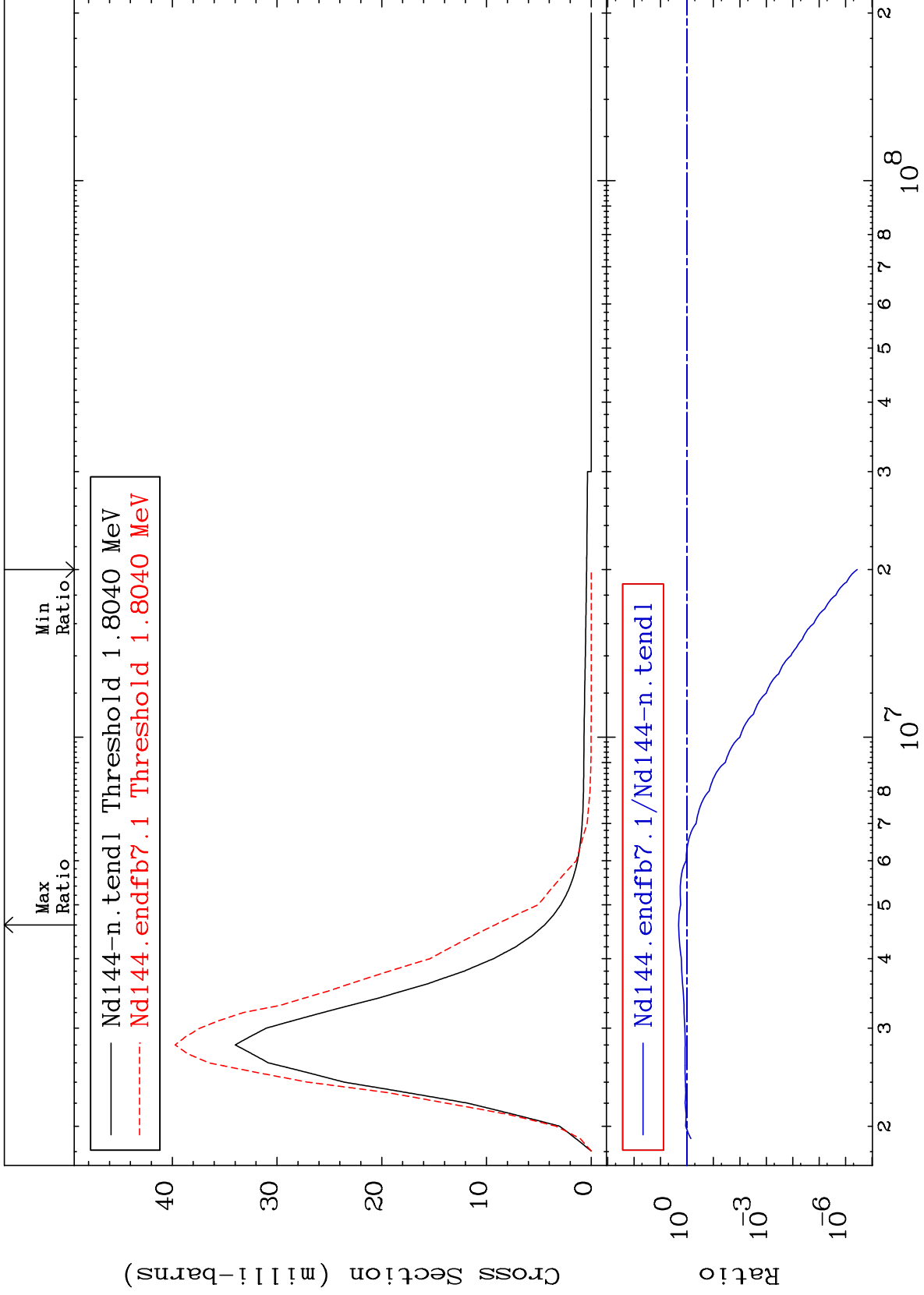
60-Nd-144  
-6.667 To 1521. %



MAT 6031

1.791 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 106.3 %



14

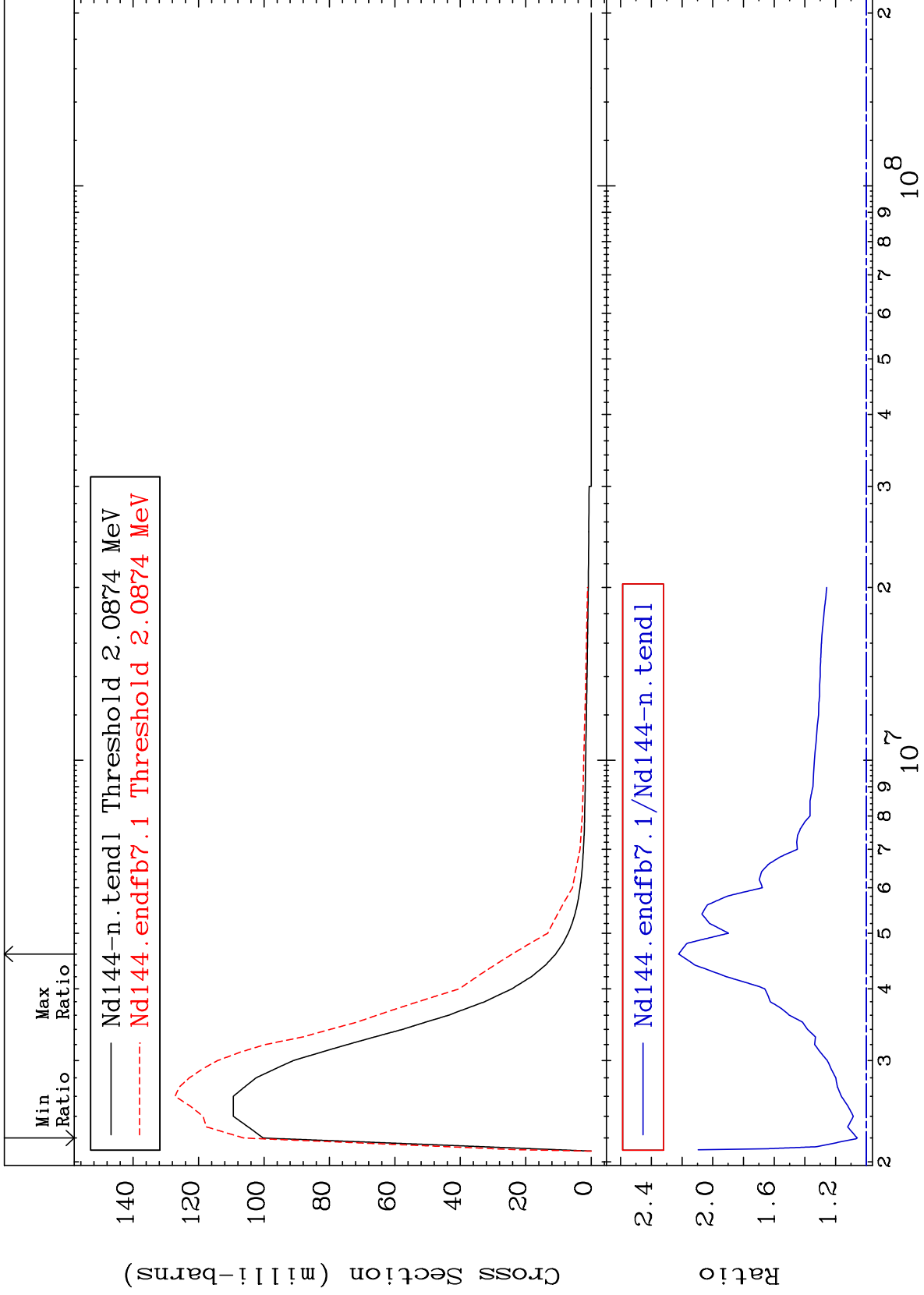
Incident Energy (eV)

60-Nd-144

MAT 6031

2.073 MeV (n,n') Level  
Cross Section

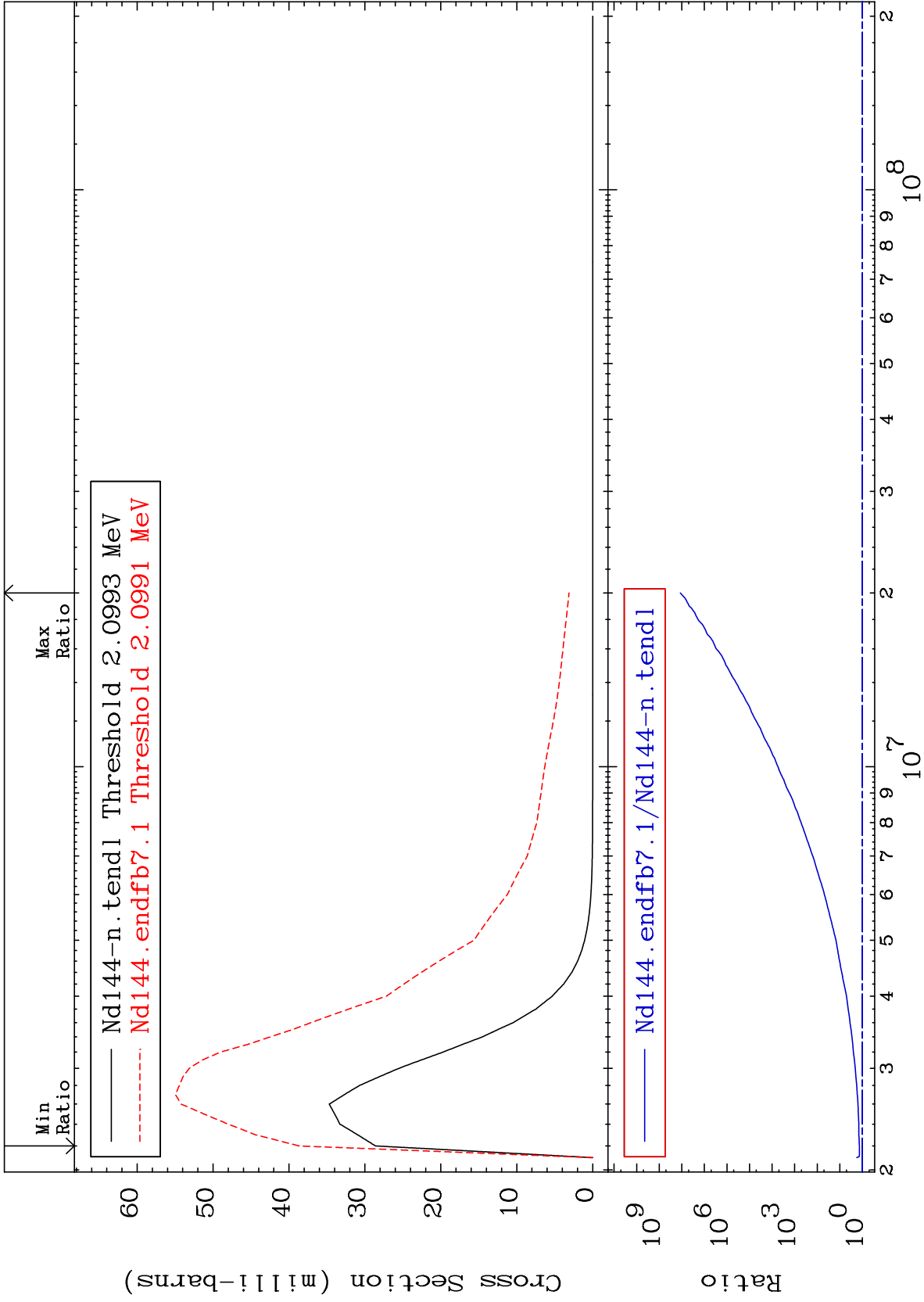
60-Nd-144  
5.928 To 122.2 %



MAT 6031

2.085 MeV (n,n') Level  
Cross Section

60-Nd-144  
35.11 To 9999. %

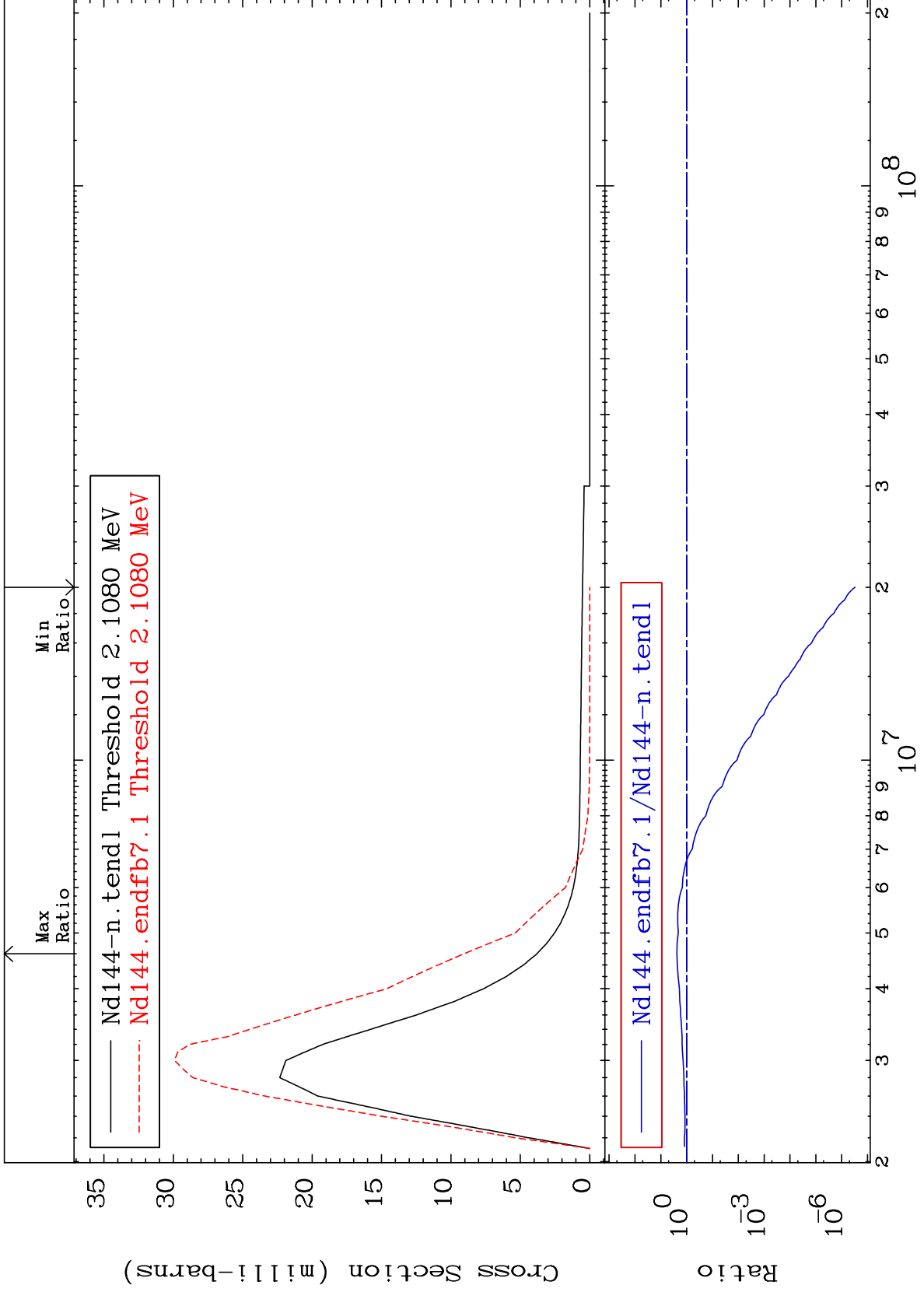




MAT 6031

2.093 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 137.8 %



17

Incident Energy (eV)

60-Nd-144

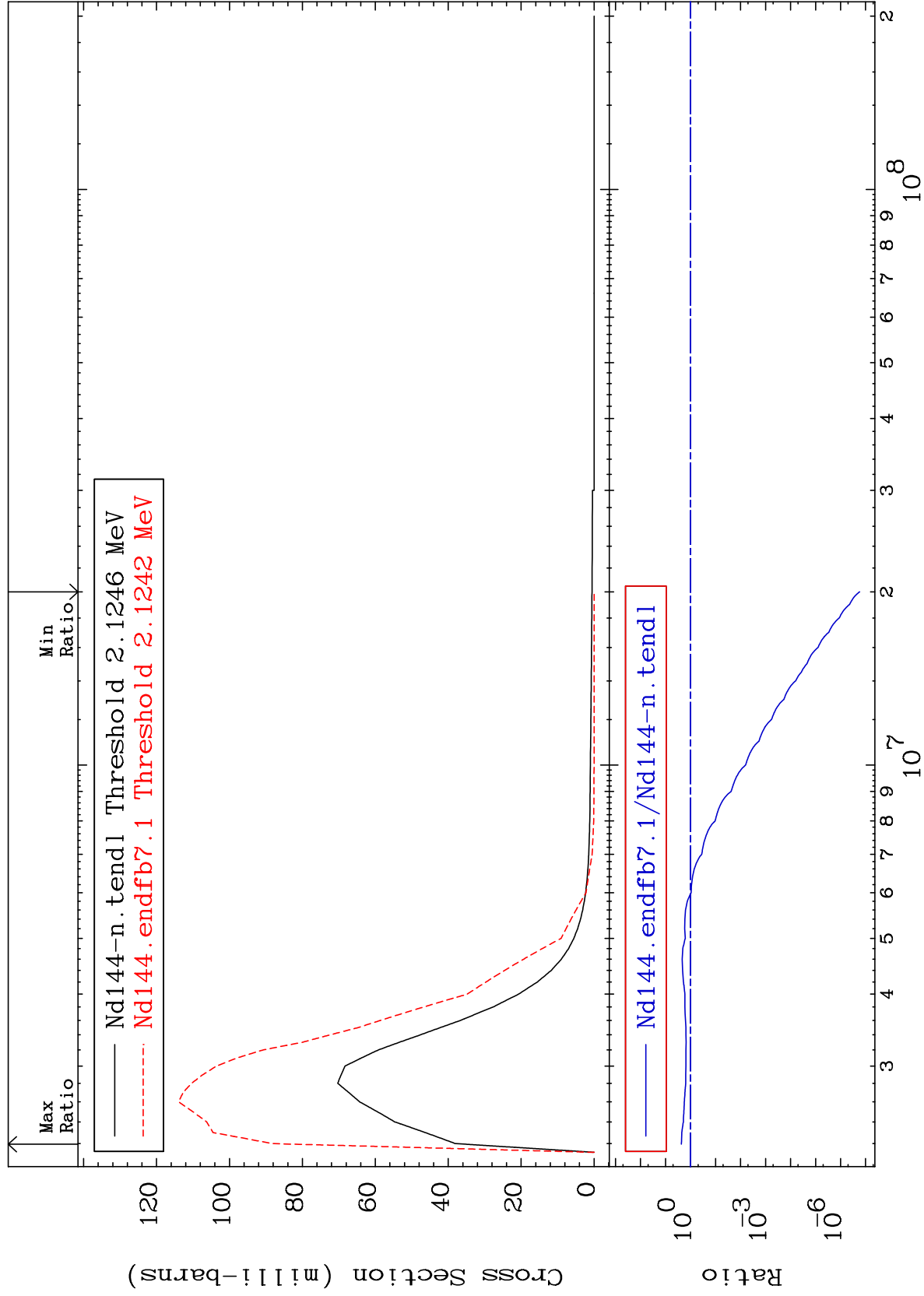
MAT 6031

2.110 MeV (n,n') Level

60-Nd-144

-100.0 To 132.0 %

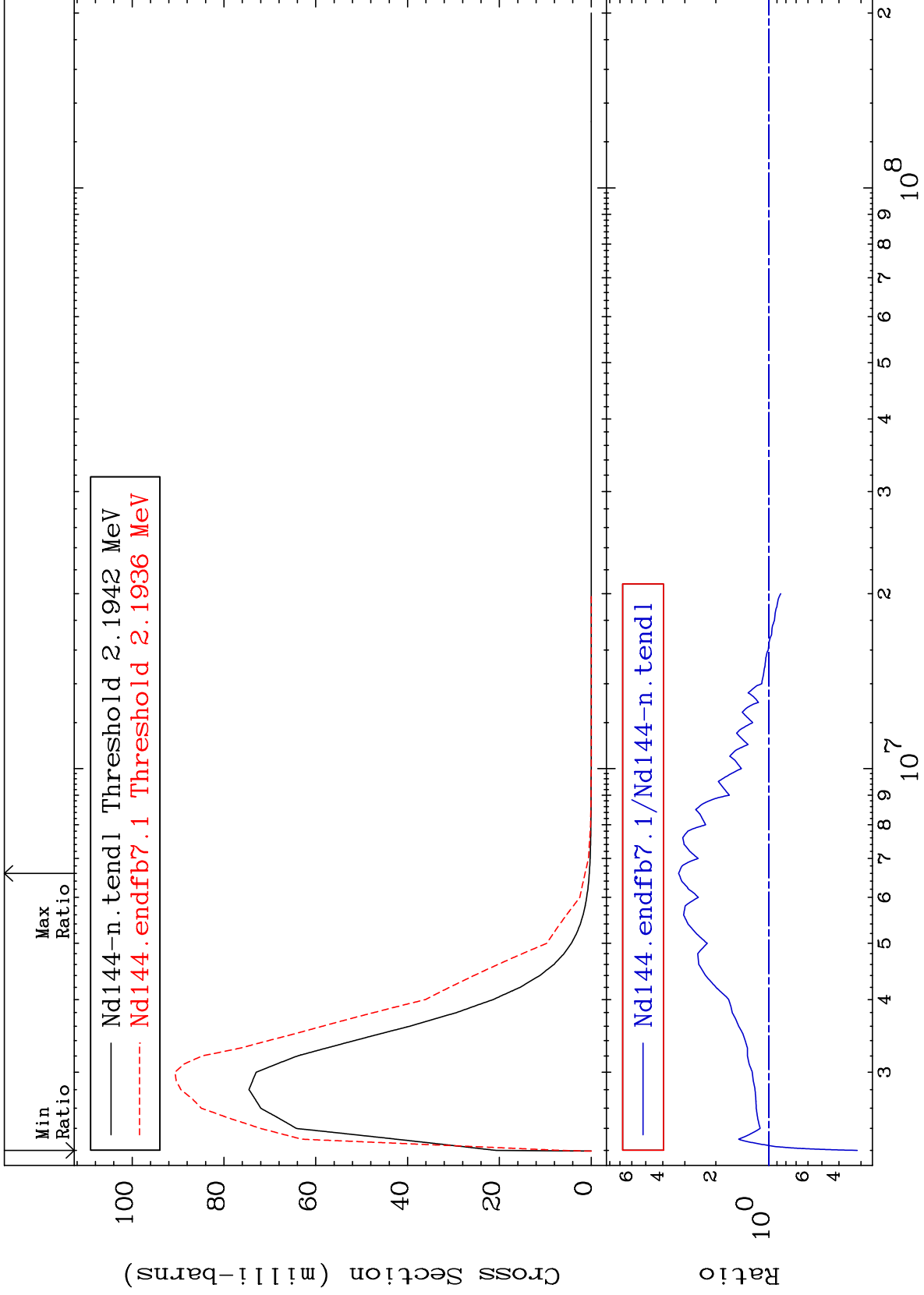
Cross Section



MAT 6031

2.179 MeV (n,n') Level  
Cross Section

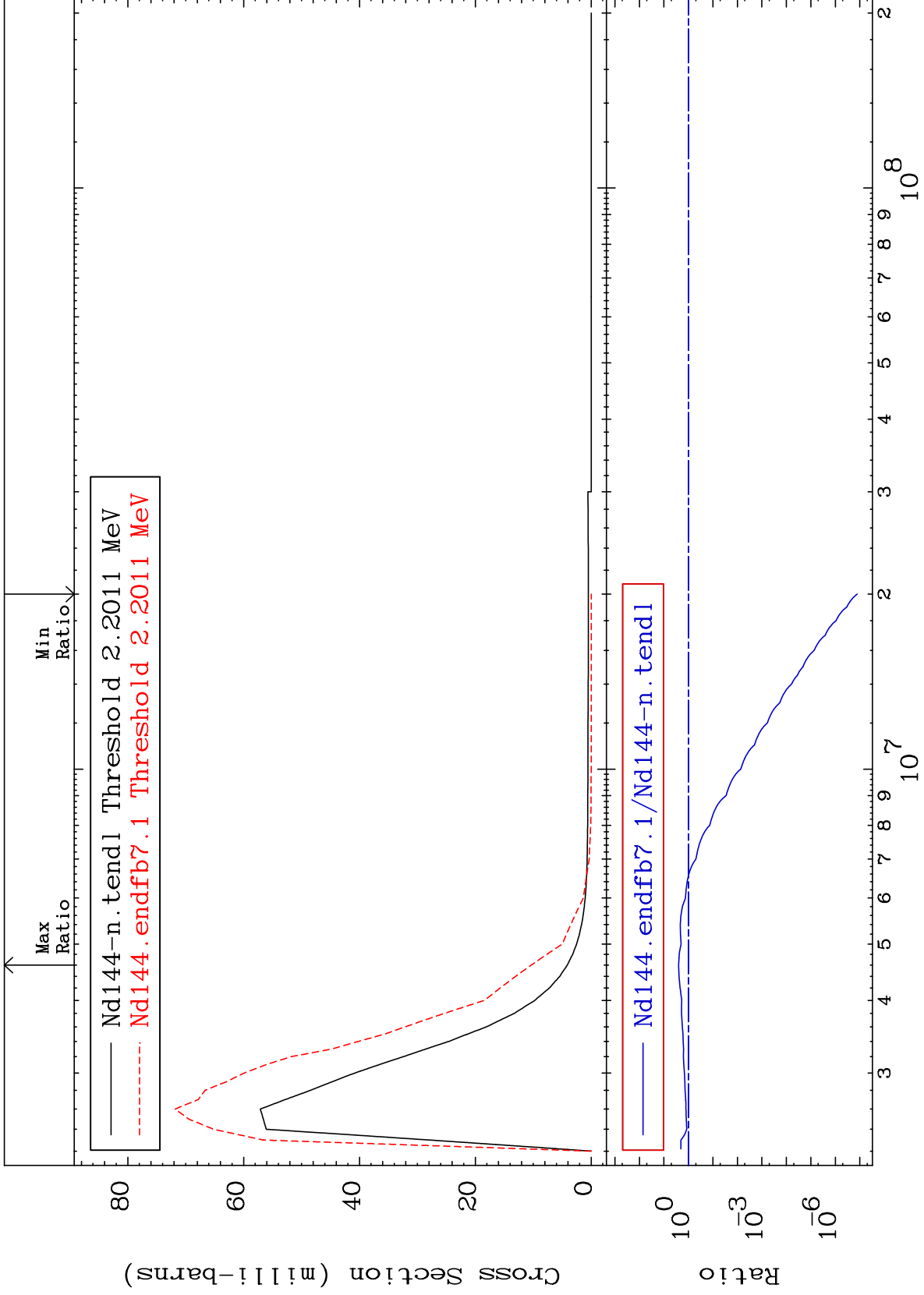
60-Nd-144  
-68.48 To 225.3 %



MAT 6031

2.186 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 150.4 %



20

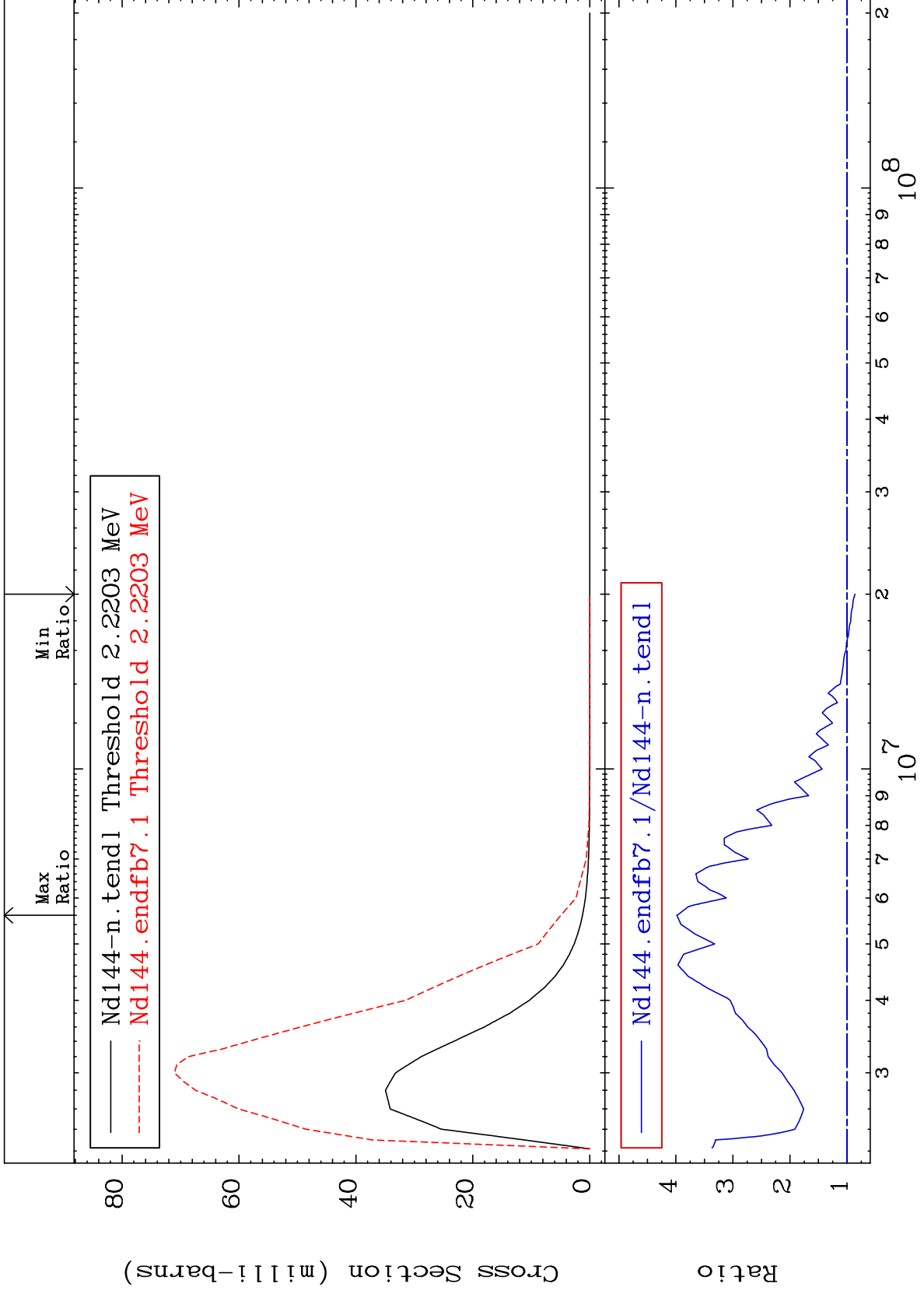
60-Nd-144

60-Nd-144

MAT 6031

2.205 MeV (n,n') Level  
Cross Section

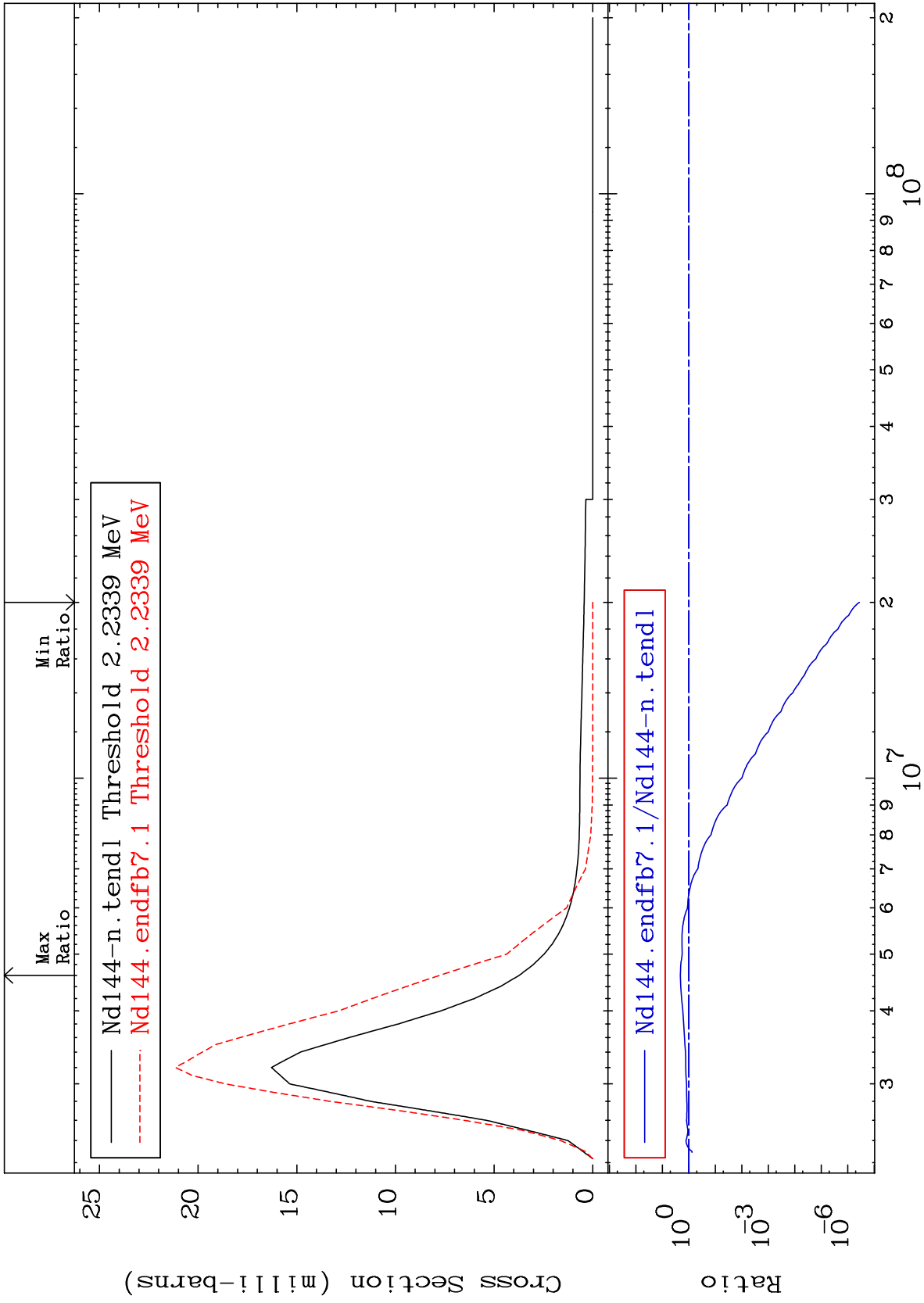
60-Nd-144  
-14.25 To 298.3 %



MAT 6031

2.218 MeV (n,n') Level  
Cross Section

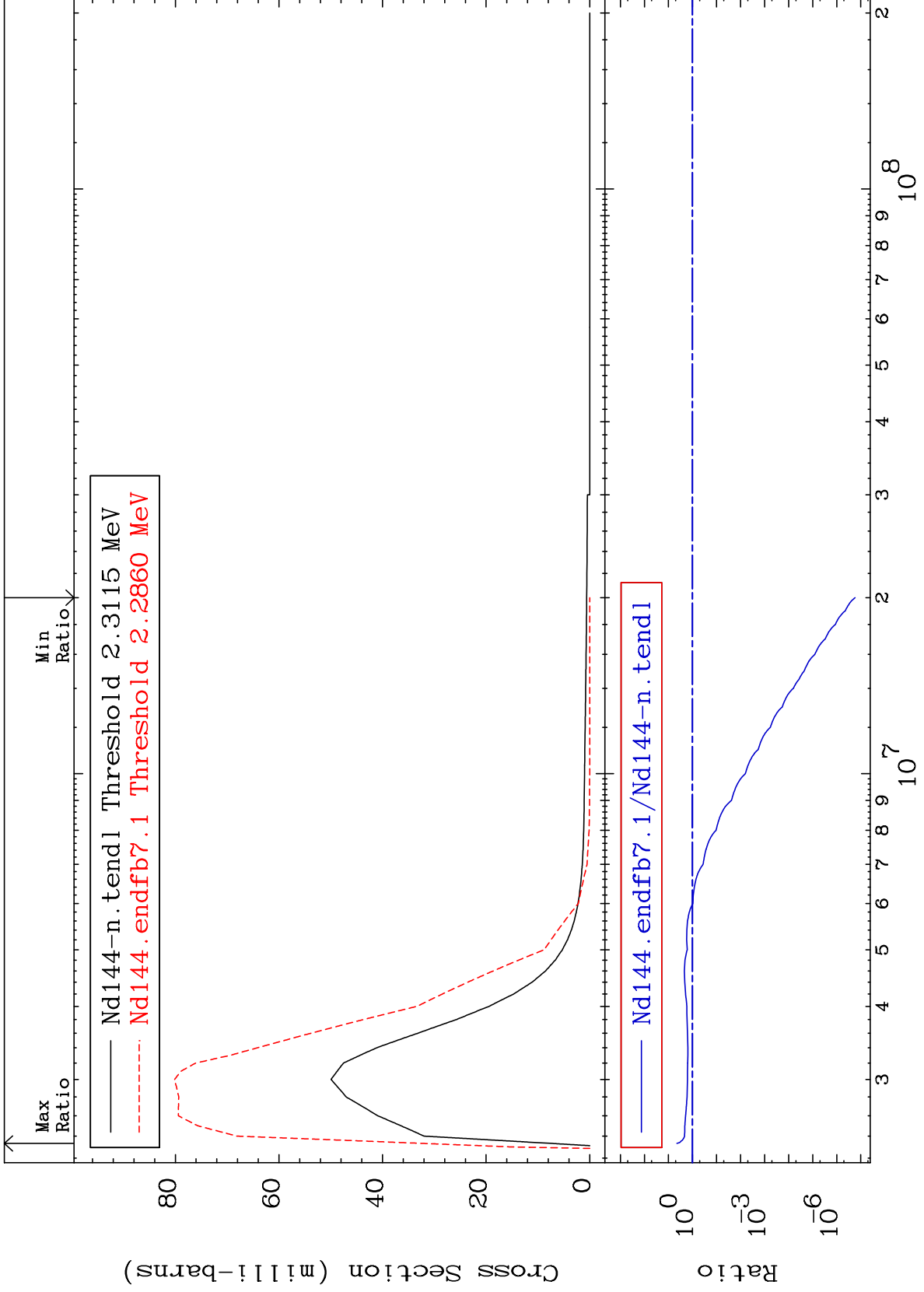
60-Nd-144  
-100.0 To 108.4 %



MAT 6031

2.295 MeV (n,n') Level  
Cross Section

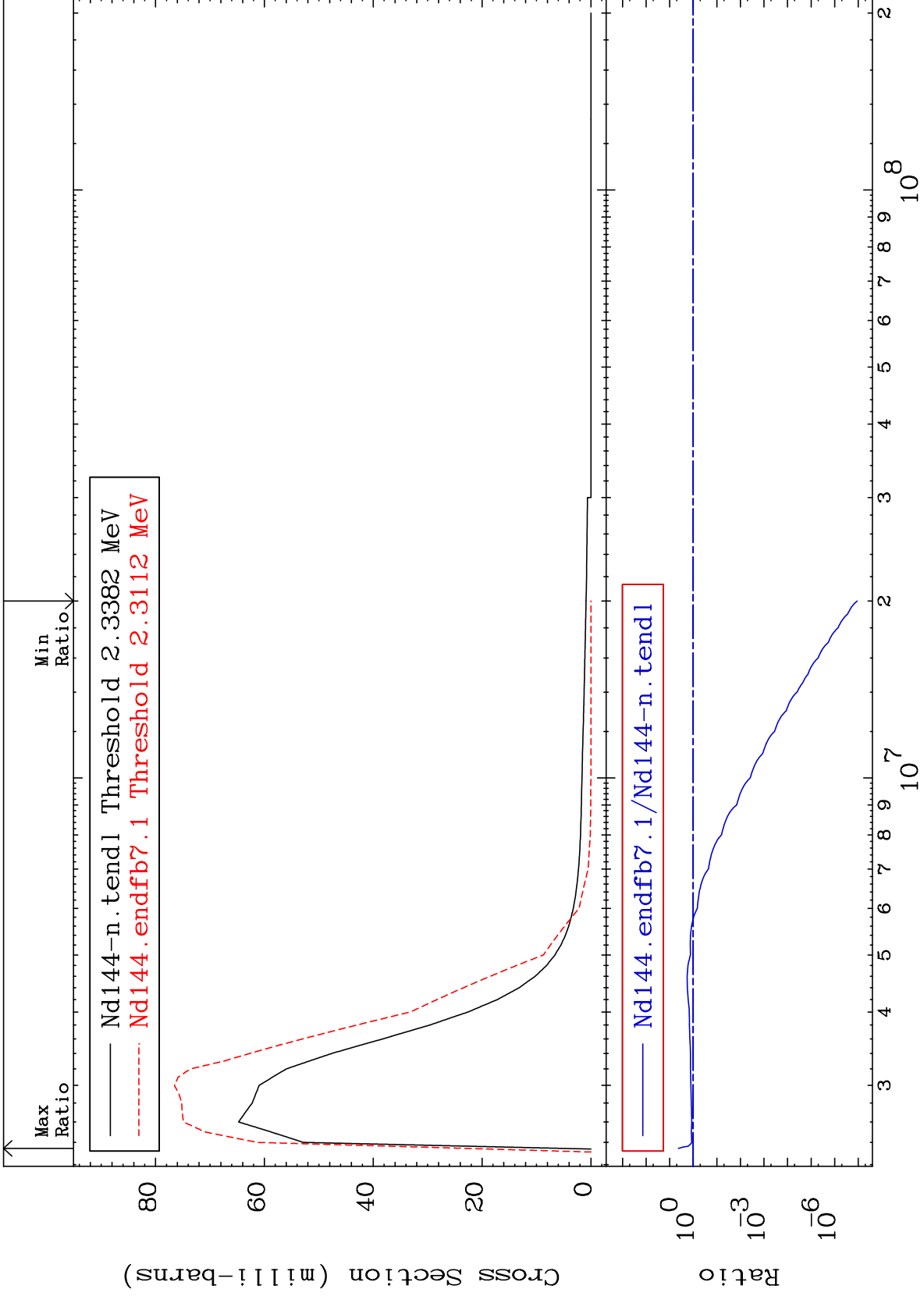
60-Nd-144  
-100.0 To 344.3 %



MAT 6031

2.322 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 325.1 %

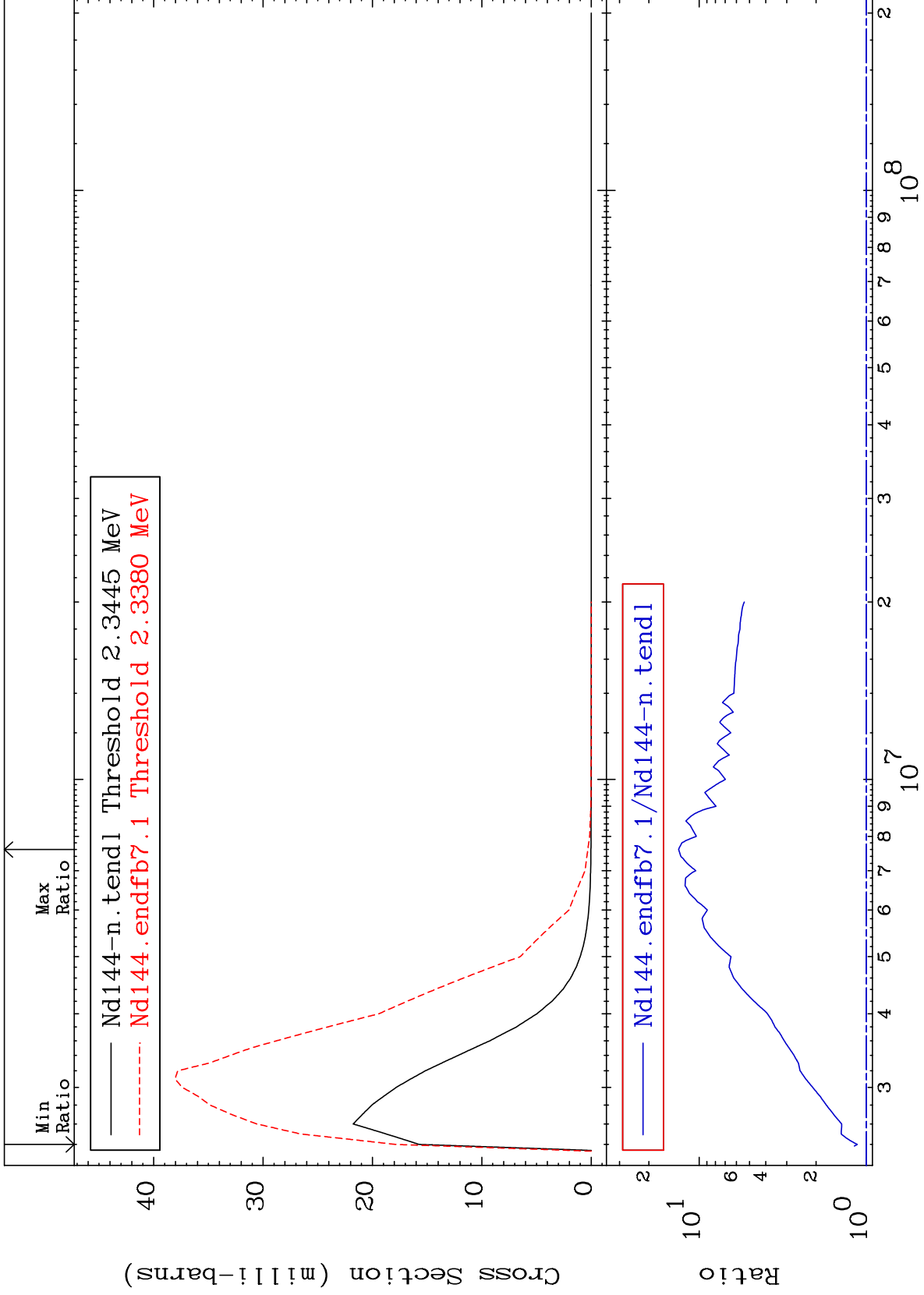




MAT 6031

2.328 MeV (n,n') Level  
Cross Section

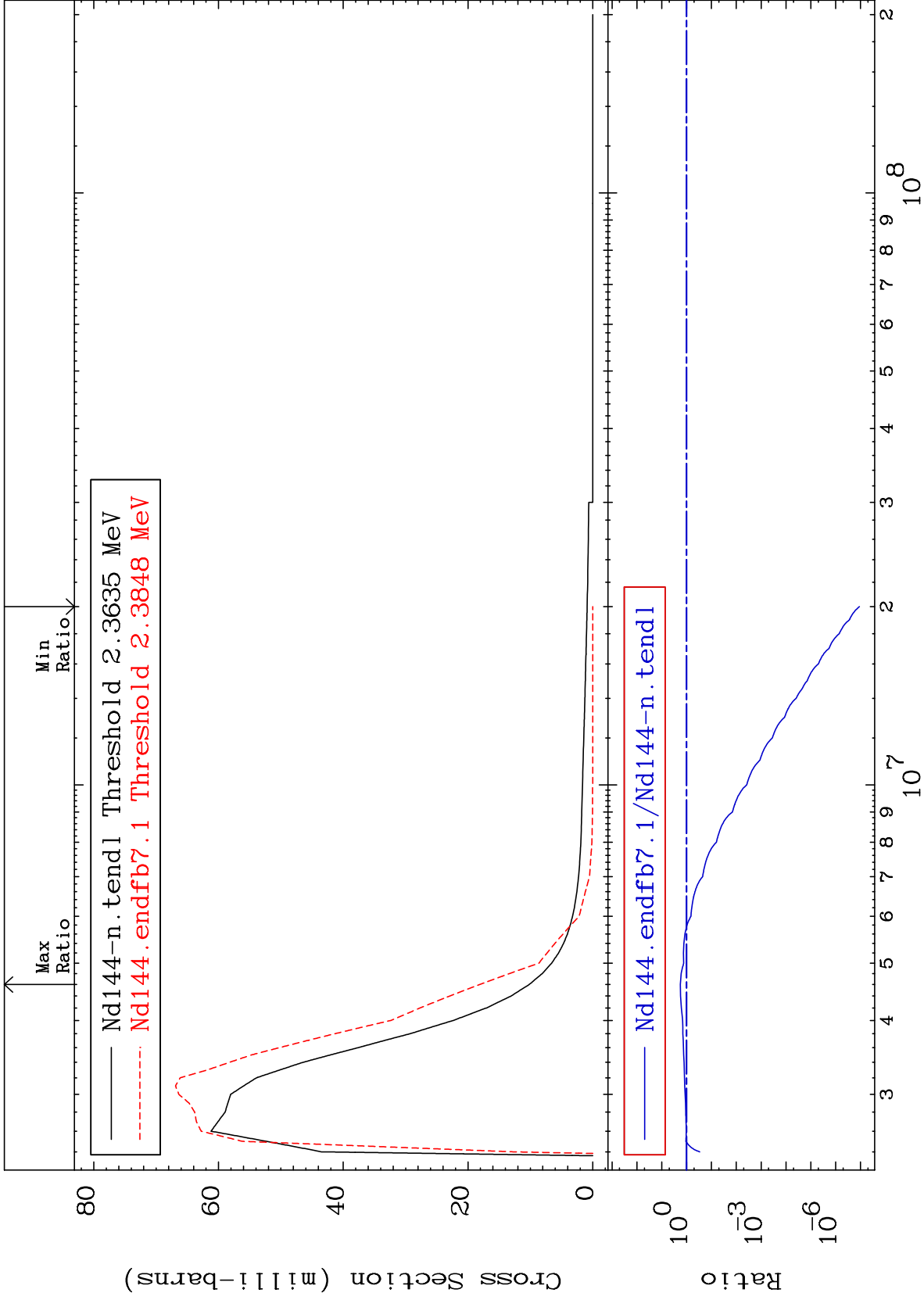
60-Nd-144  
13.55 To 1228. %



MAT 6031

2.347 MeV (n,n') Level  
Cross Section

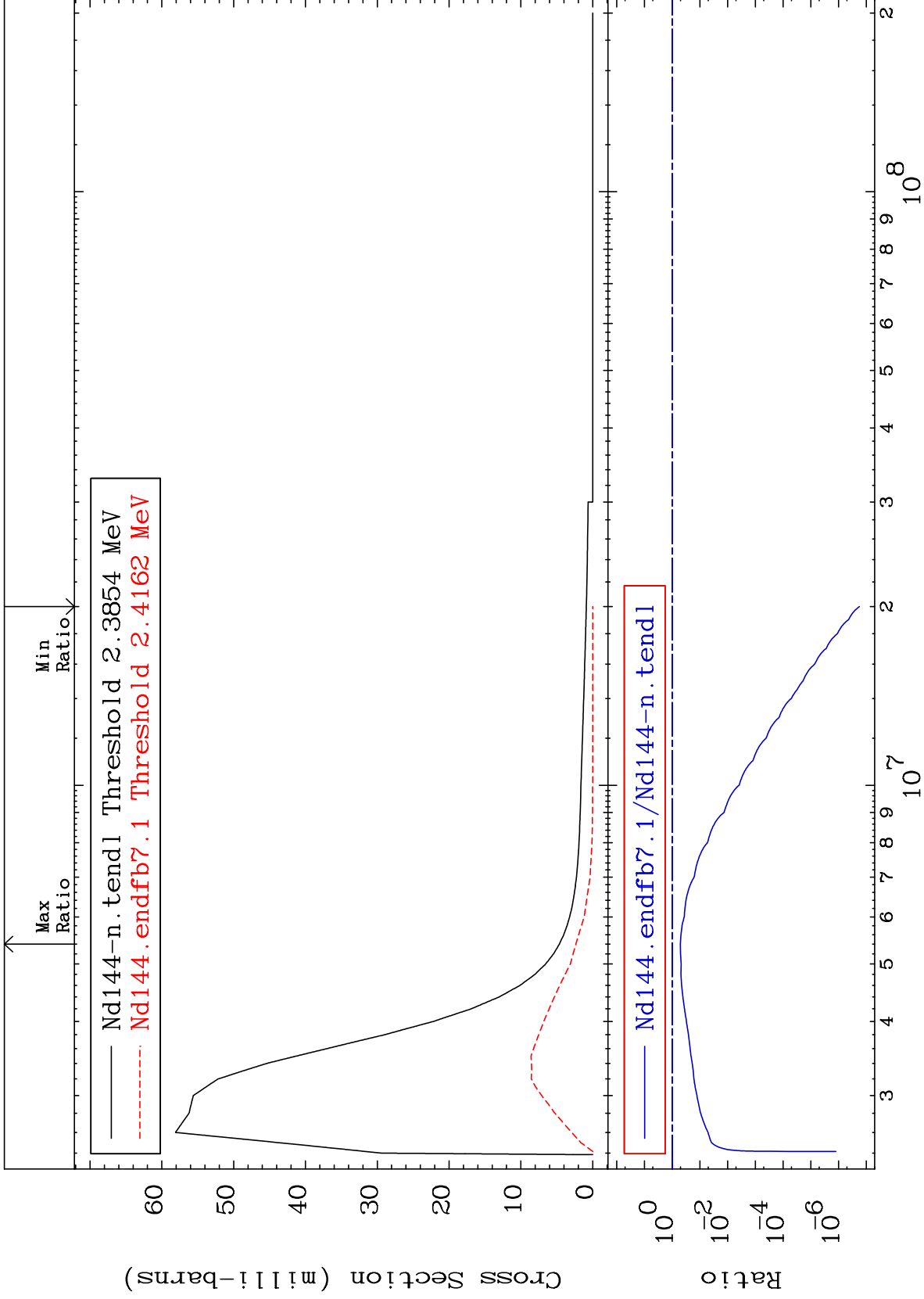
60-Nd-144  
-100.0 To 78.16 %



MAT 6031

2.369 MeV (n,n') Level  
Cross Section

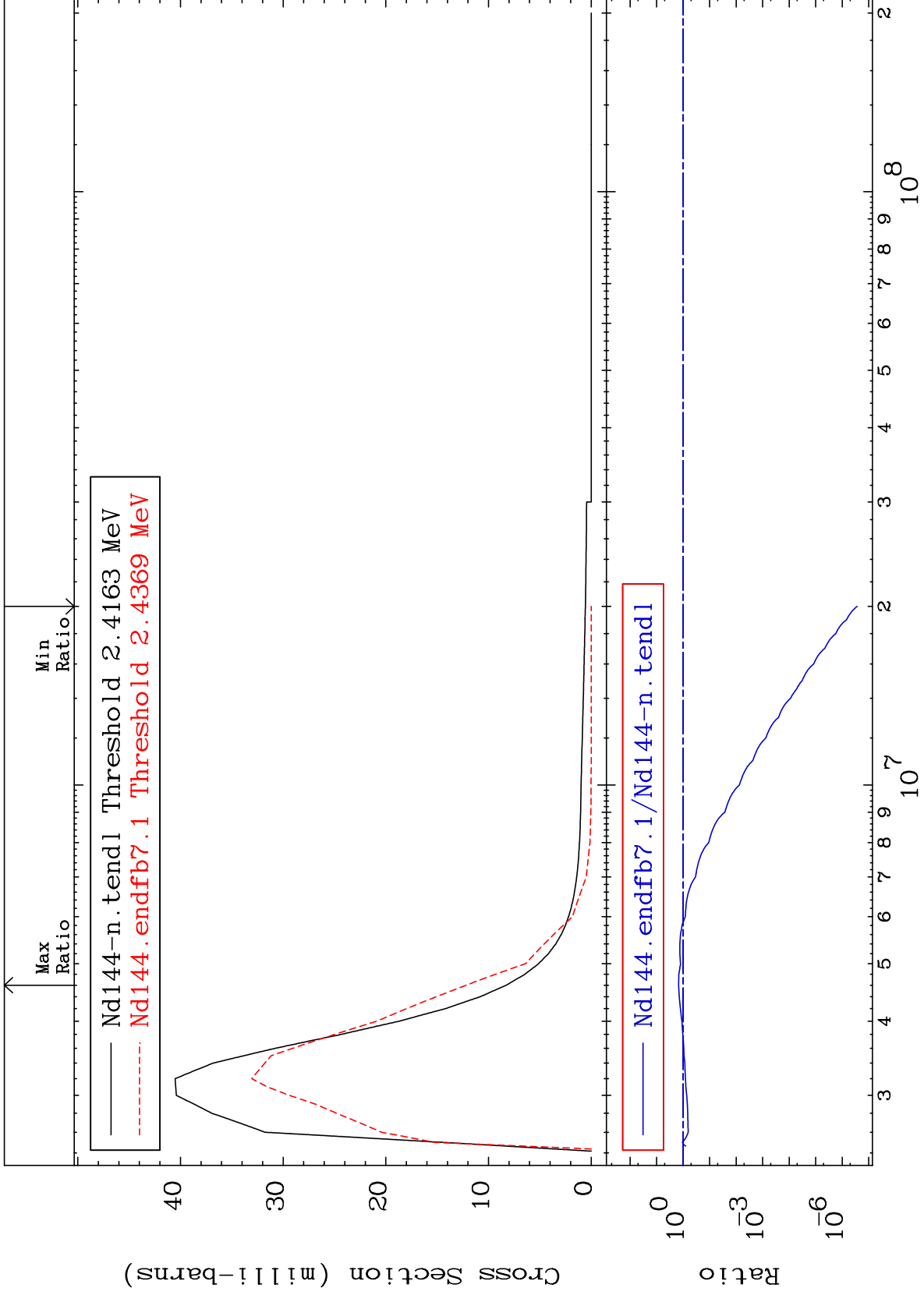
60-Nd-144  
-100.0 To -49.53%



MAT 6031

2.399 MeV (n,n') Level  
Cross Section

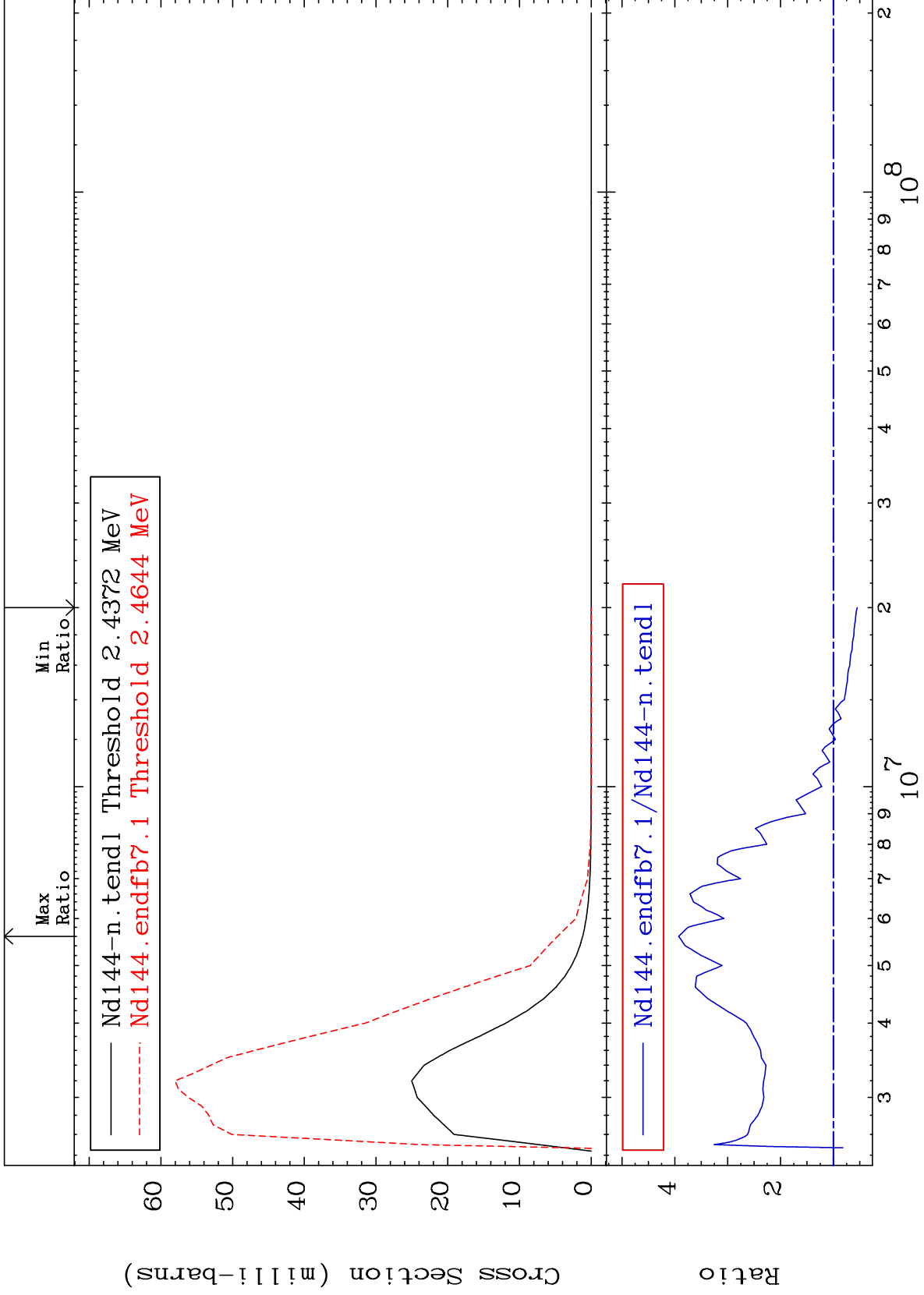
60-Nd-144  
-100.0 To 47.34 %



MAT 6031

2.420 MeV (n,n') Level  
Cross Section

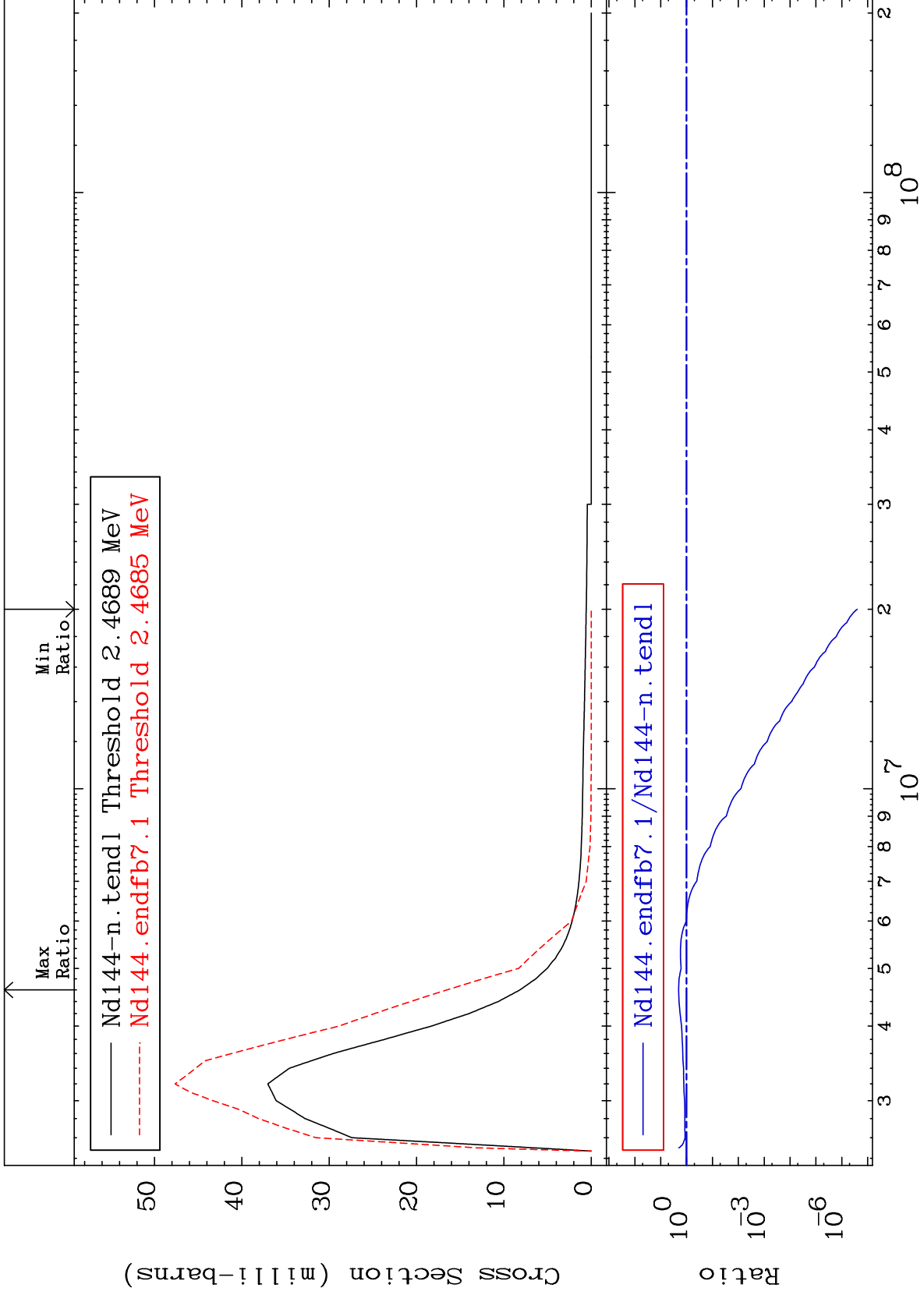
60-Nd-144  
-45.21 To 292.7 %



MAT 6031

2.452 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 102.9 %



30

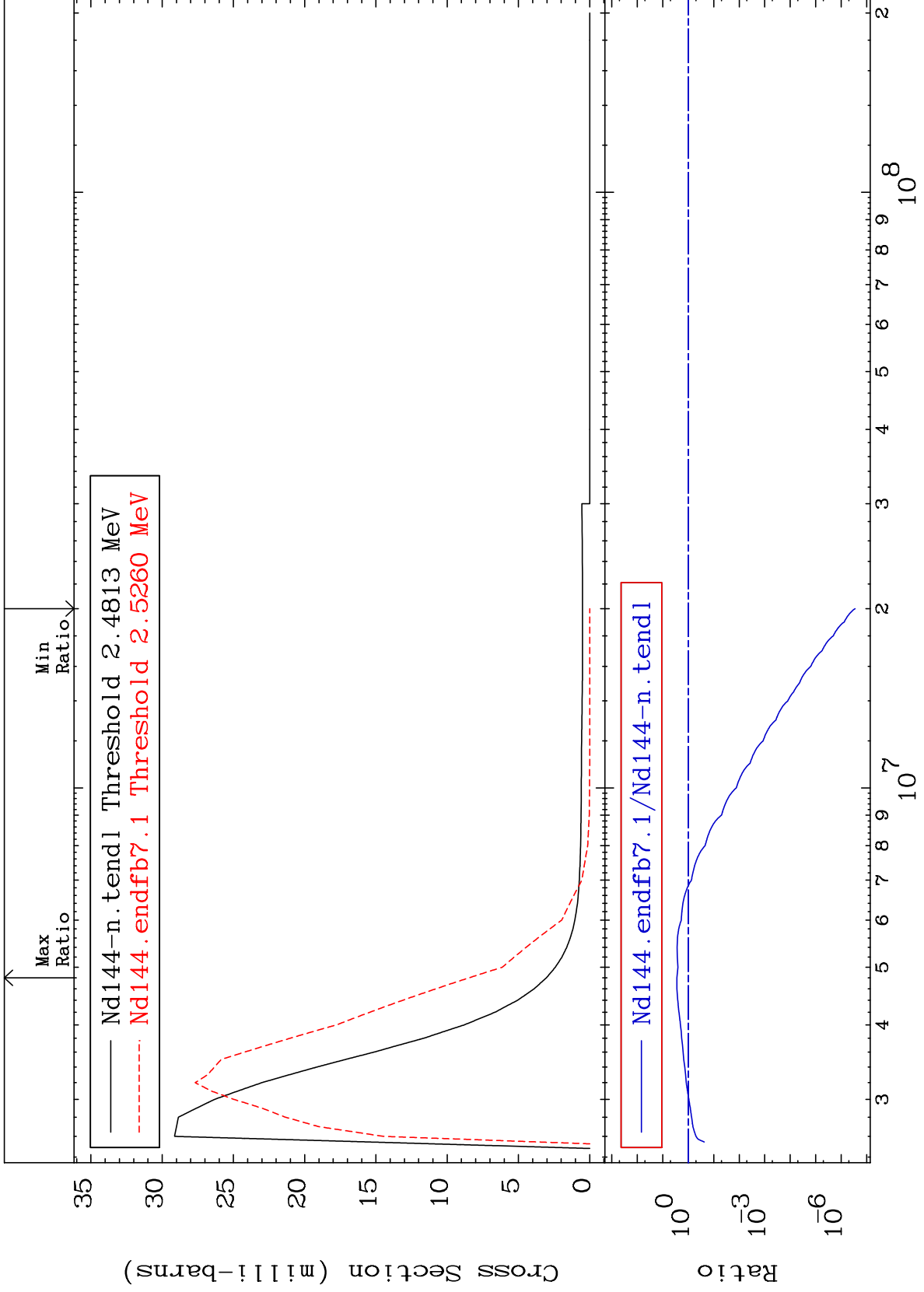
Incident Energy (eV)

60-Nd-144

MAT 6031

2.464 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 178.6 %



31

Incident Energy (eV)

60-Nd-144

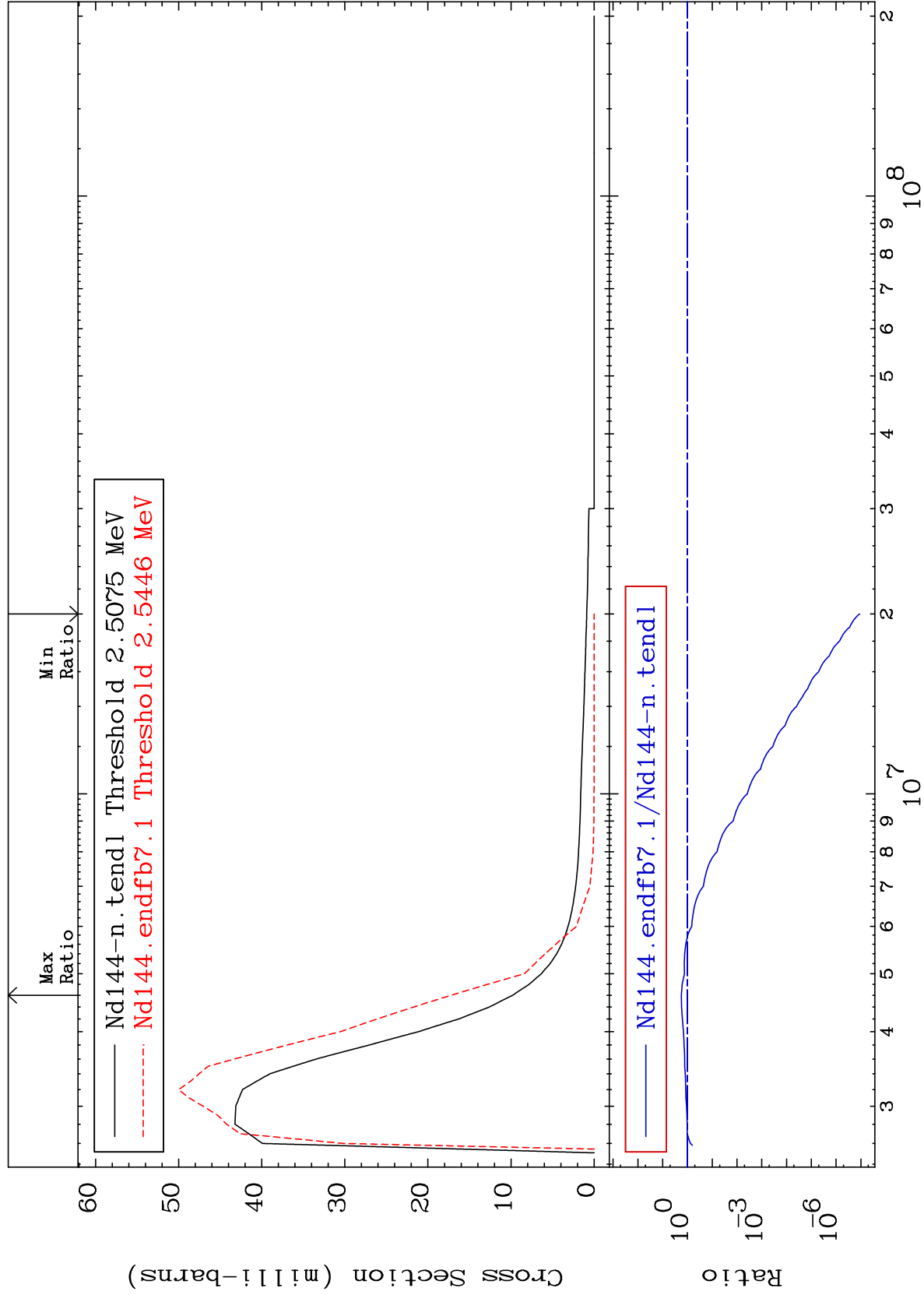
MAT 6031

2.490 MeV (n,n') Level

60-Nd-144

-100.0 To 75.48 %

Cross Section



32

Incident Energy (eV)

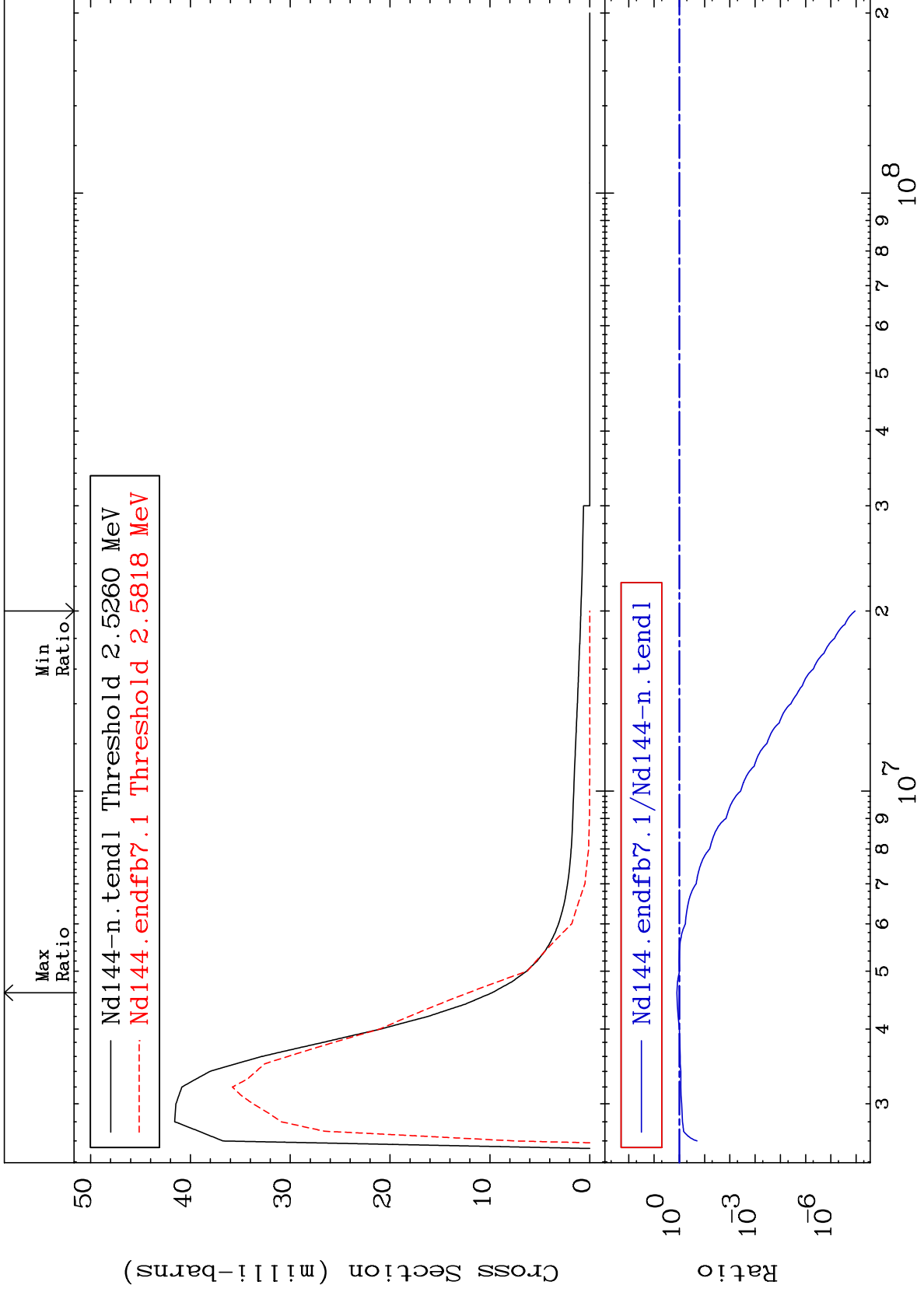
60-Nd-144



MAT 6031

2.508 MeV (n,n') Level  
Cross Section

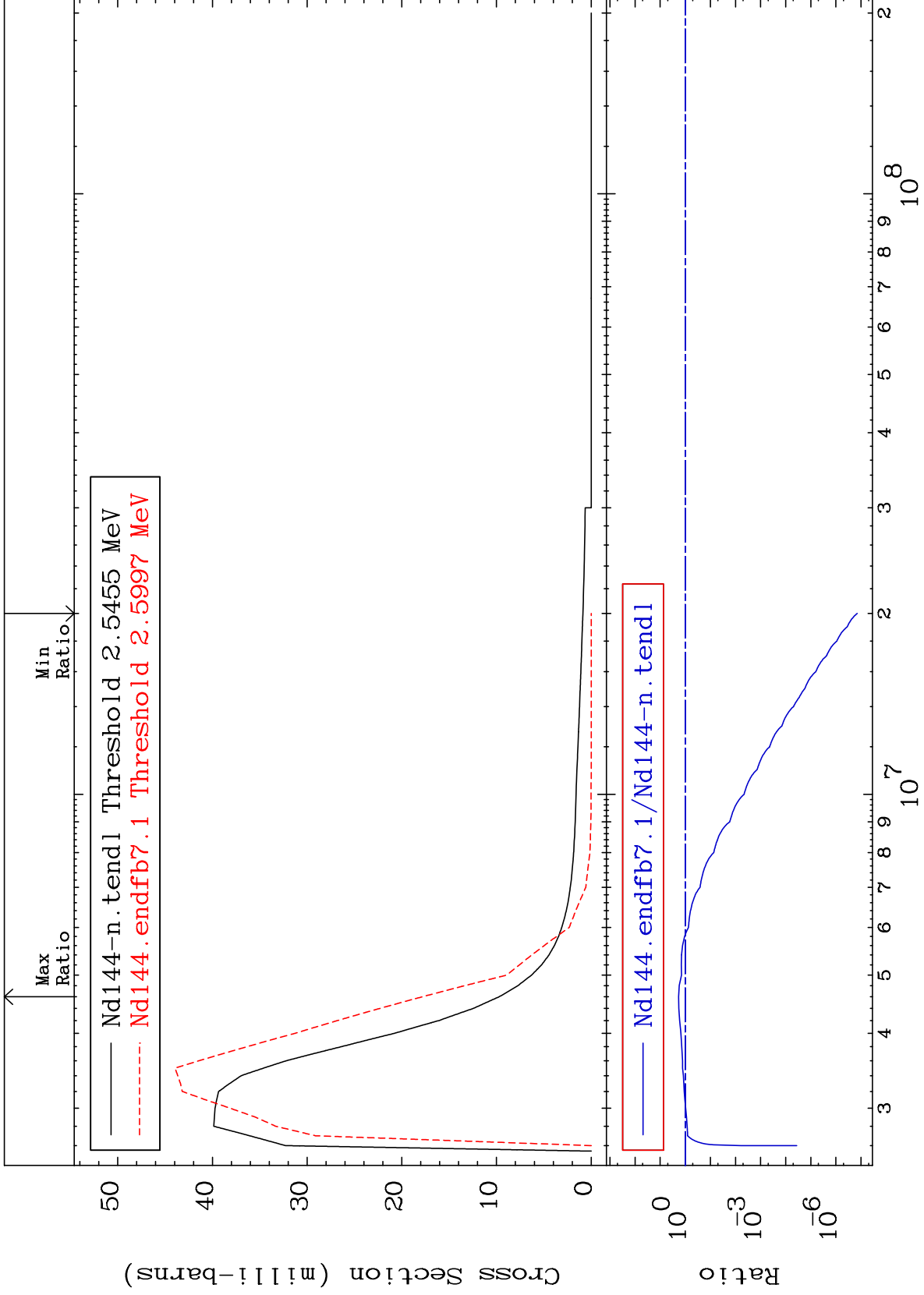
60-Nd-144  
-100.0 To 24.44 %



MAT 6031

2.528 MeV (n,n') Level  
Cross Section

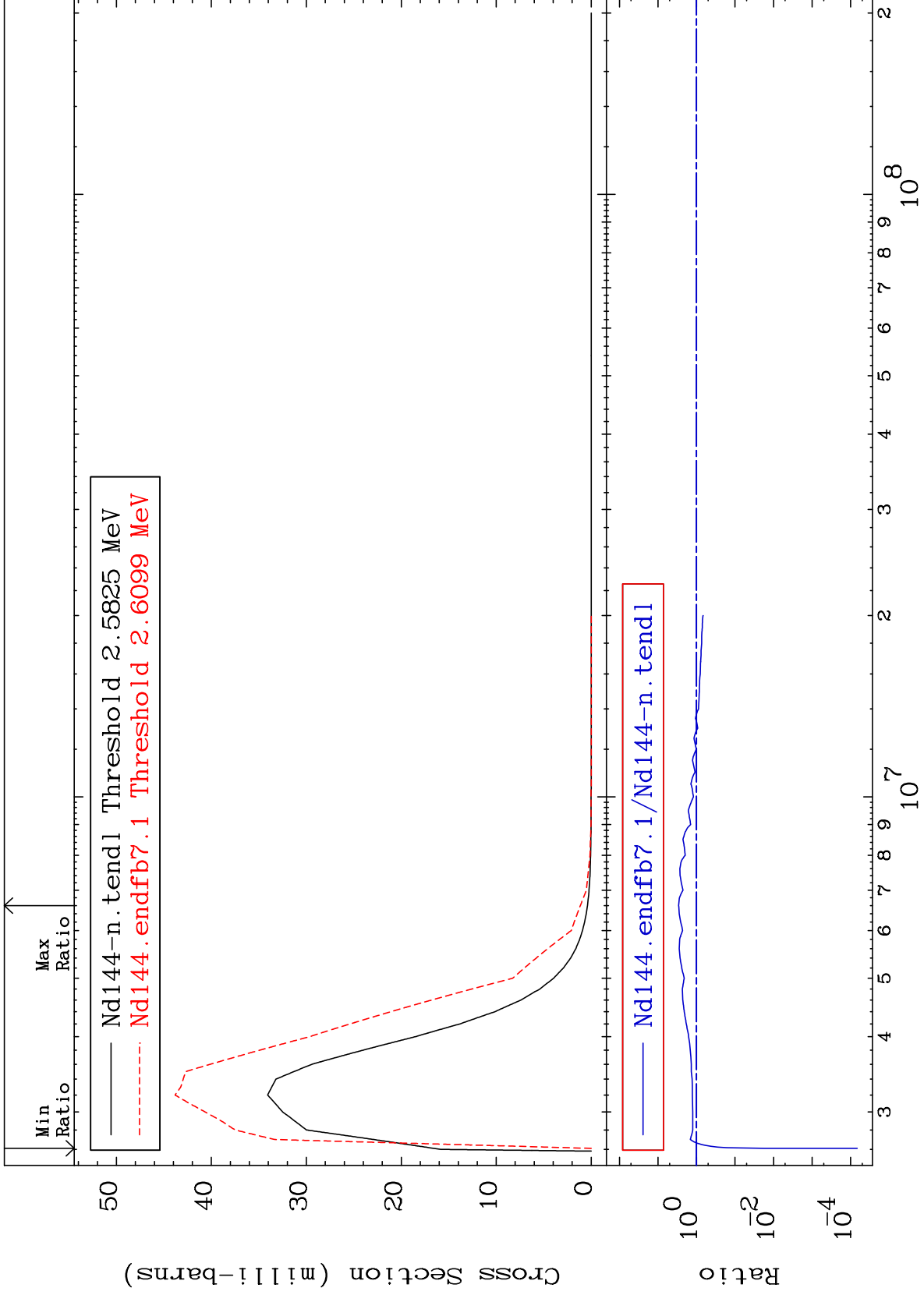
60-Nd-144  
-100.0 To 83.46 %



MAT 6031

2.565 MeV (n,n') Level  
Cross Section

60-Nd-144  
-99.99 To 190.8 %



35

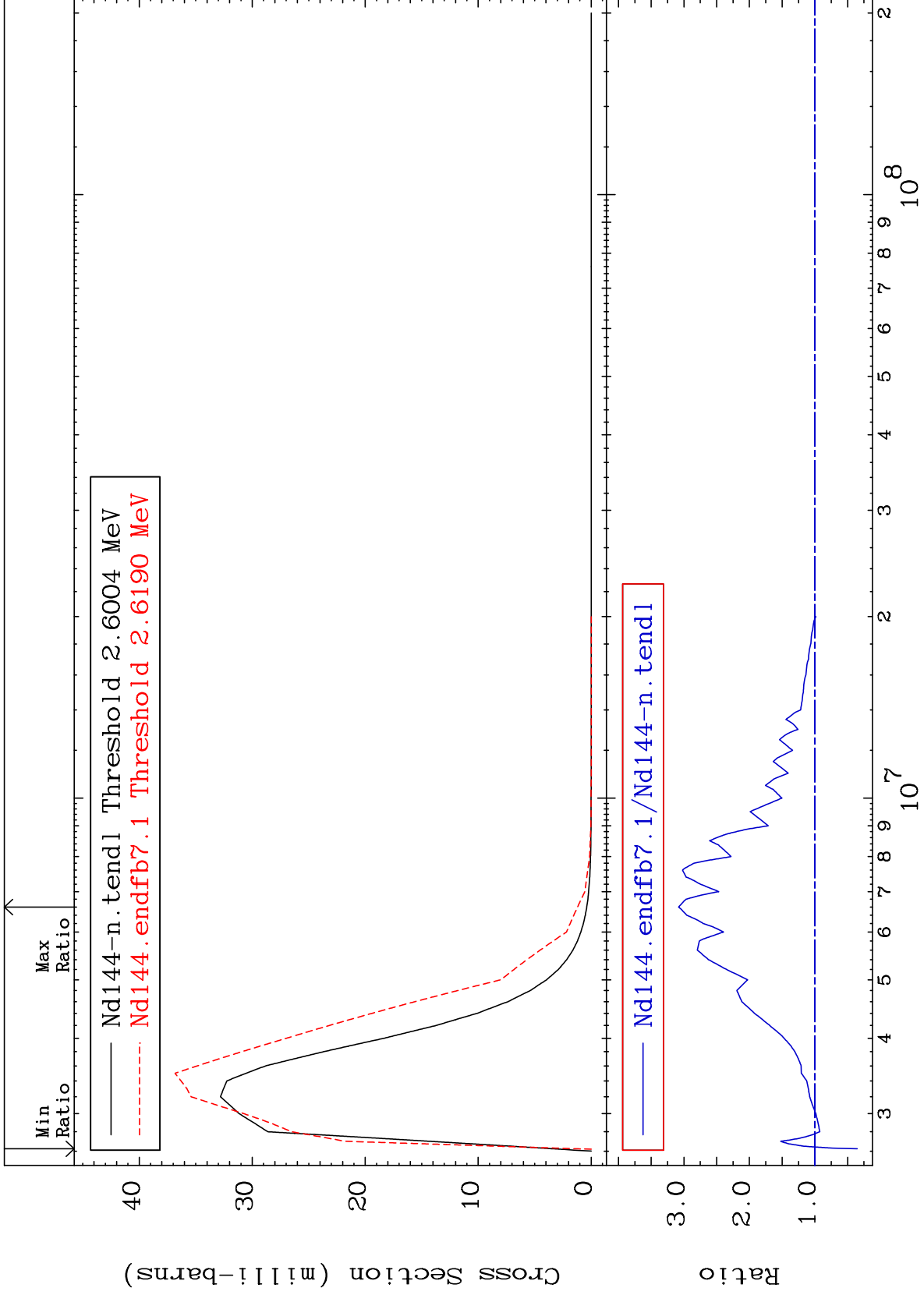
Incident Energy (eV)

60-Nd-144

MAT 6031

2.582 MeV (n,n') Level  
Cross Section

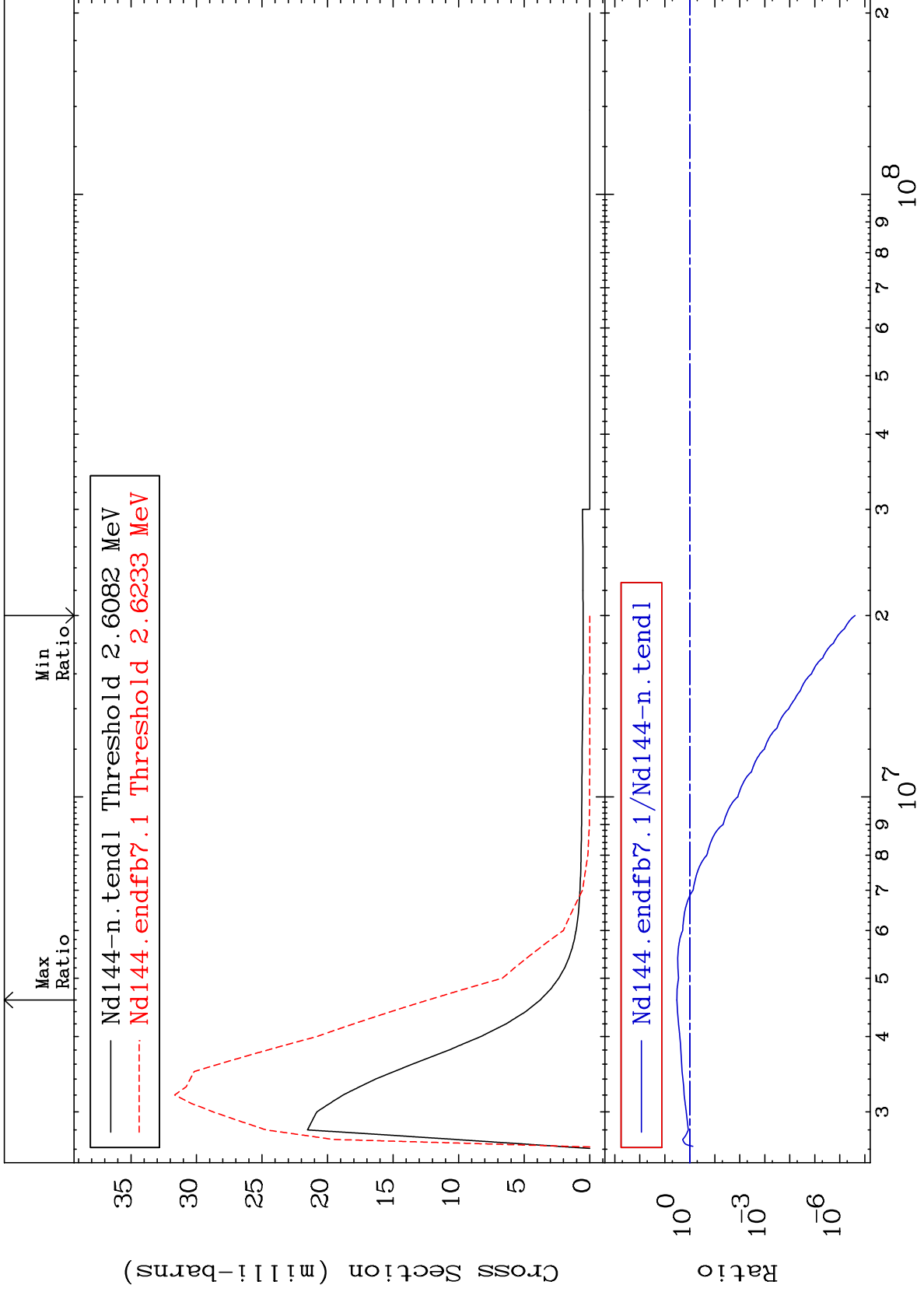
60-Nd-144  
-64.71 To 208.1 %



MAT 6031

2.590 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 226.4 %



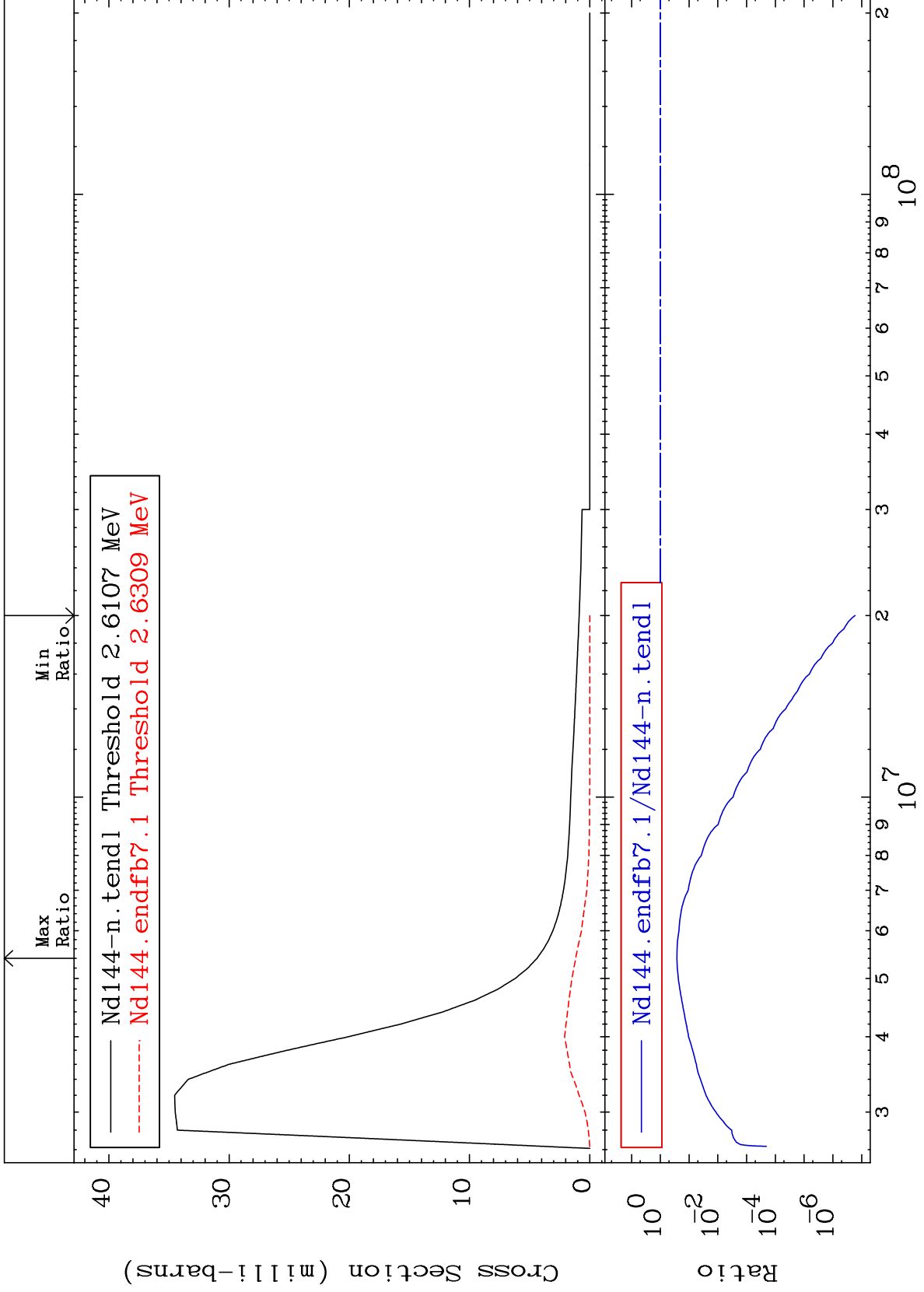
37

60-Nd-144

MAT 6031

2.593 MeV (n,n') Level  
Cross Section

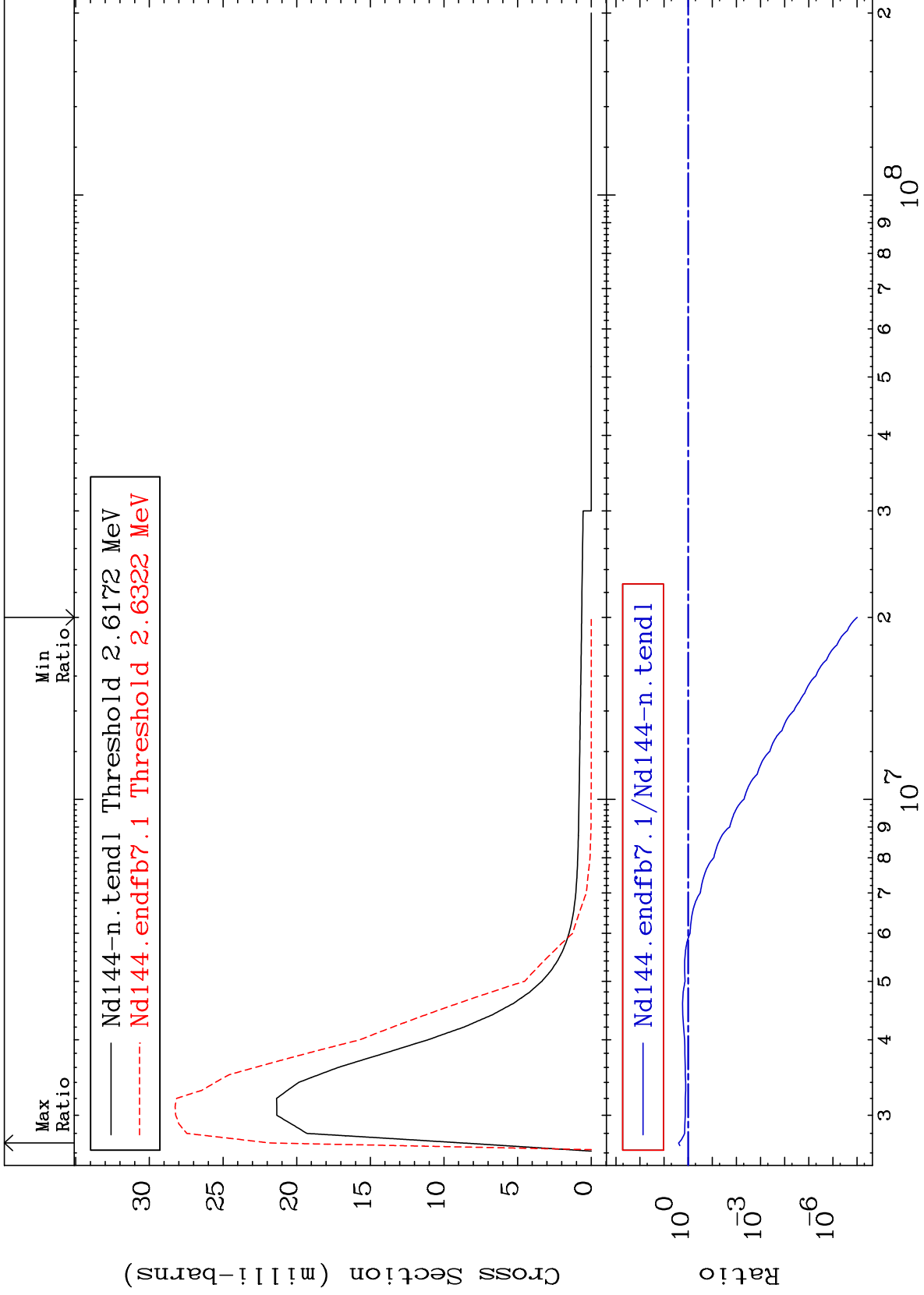
60-Nd-144  
-100.0 To -73.51%



MAT 6031

2.599 MeV (n,n') Level  
Cross Section

60-Nd-144  
-100.0 To 149.7 %



39

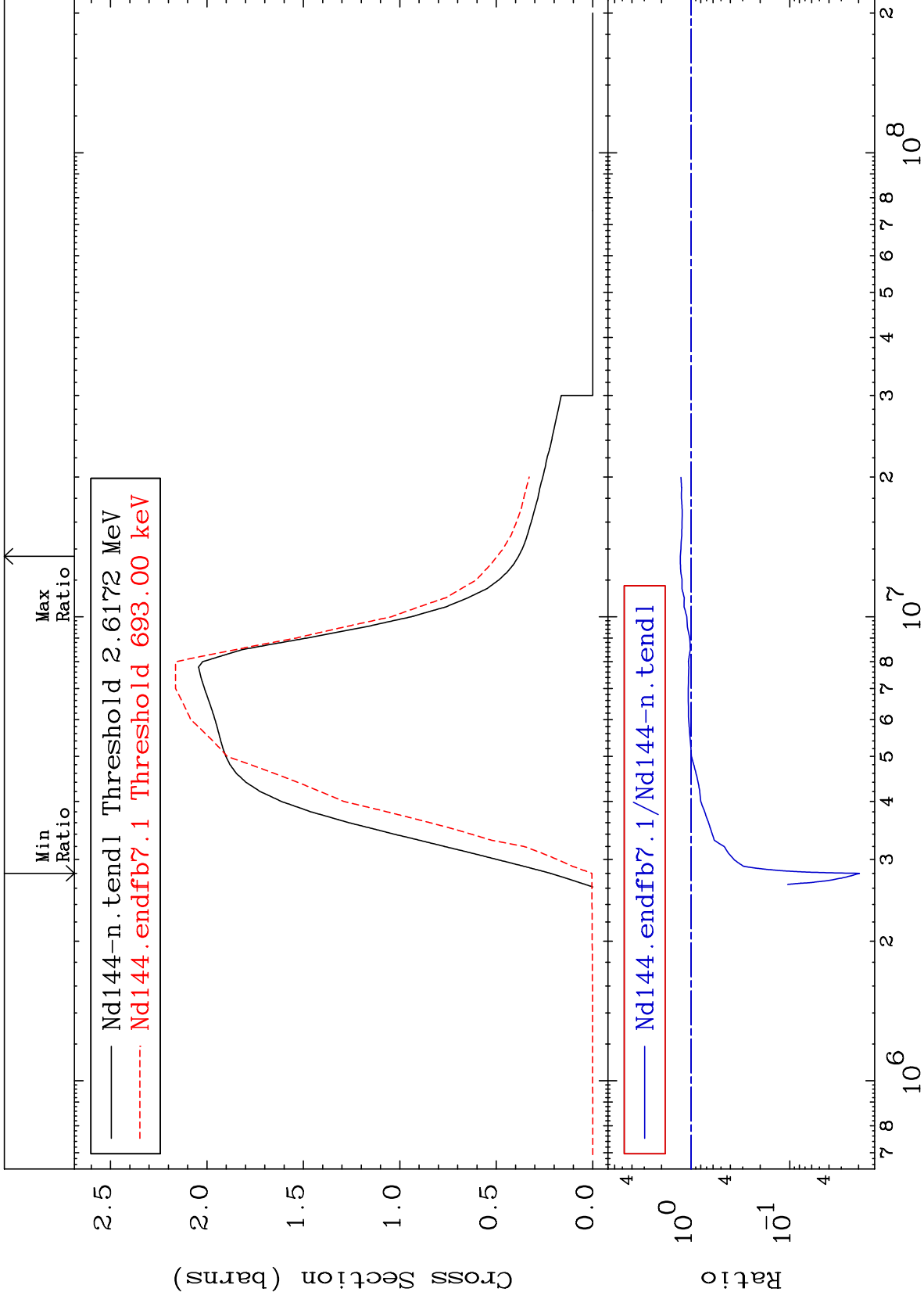
Incident Energy (eV)

60-Nd-144

MAT 6031

(n, n') Continuum  
Cross Section

60-Nd-144  
-98.04 To 28.93 %



40

Incident Energy (eV)

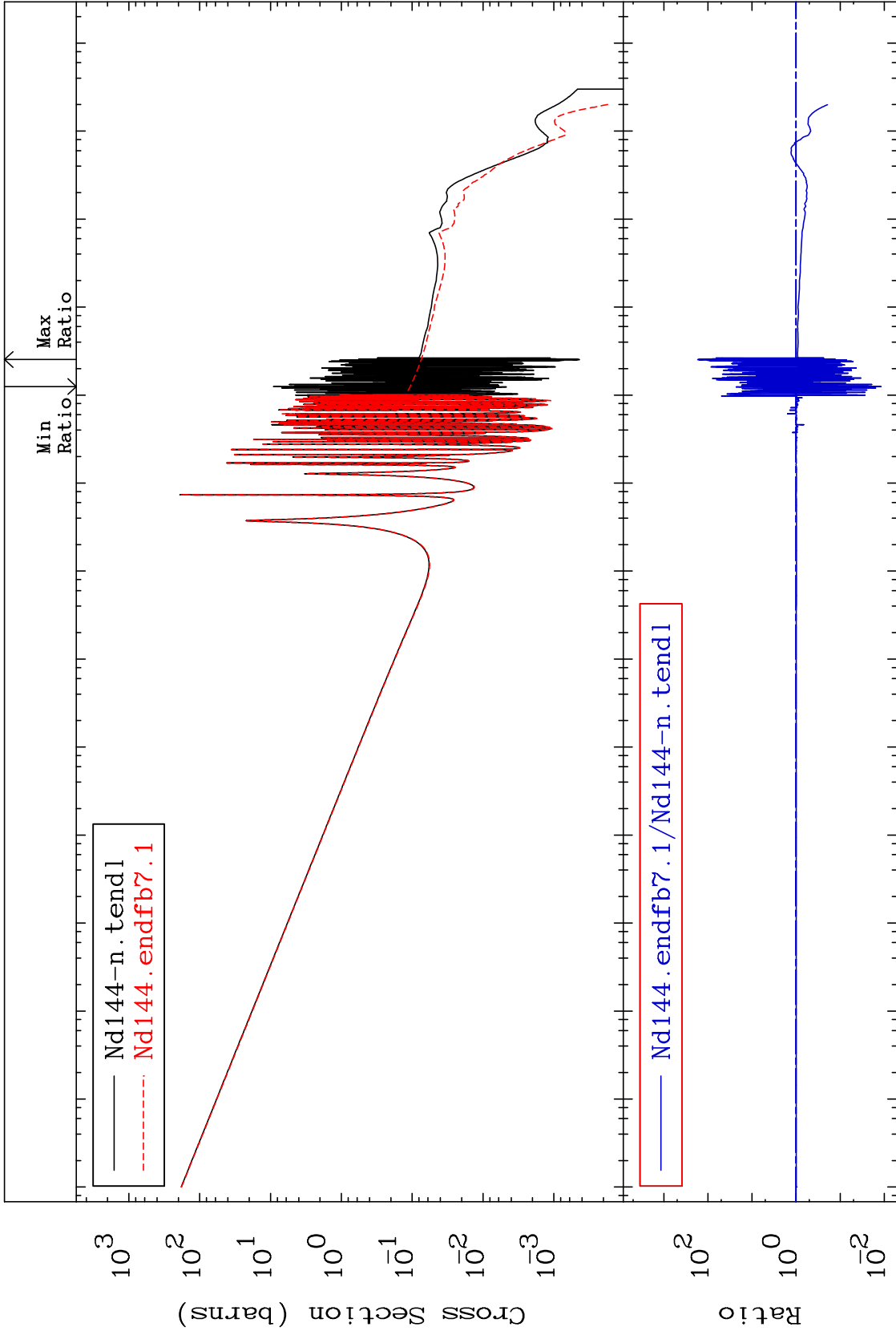
60-Nd-144



MAT 6031

(n,  $\gamma$ )  
Cross Section

60-Nd-144  
-98.82 To 9999. %



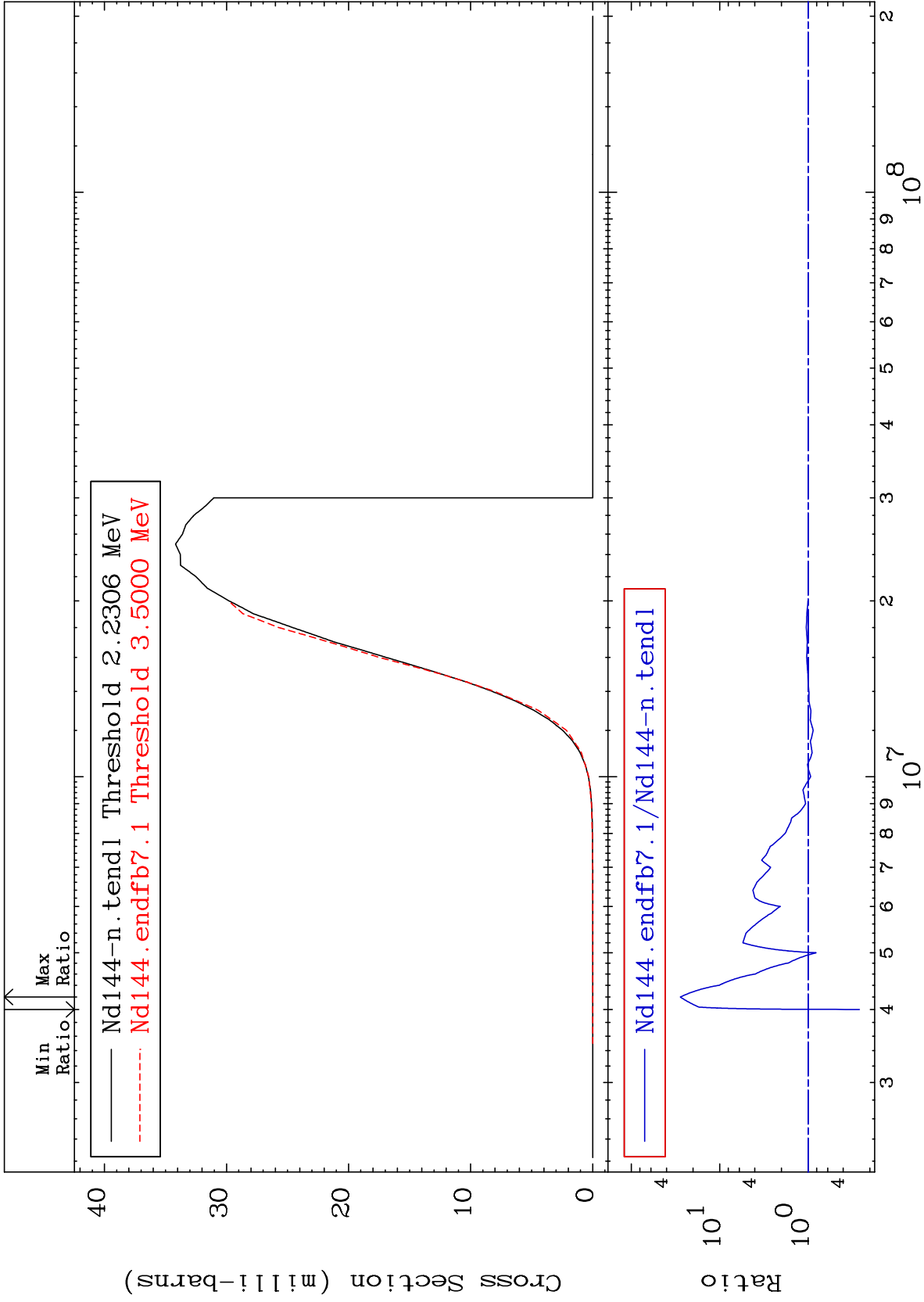
MAT 6031

(n,p)

60-Nd-144

Cross Section

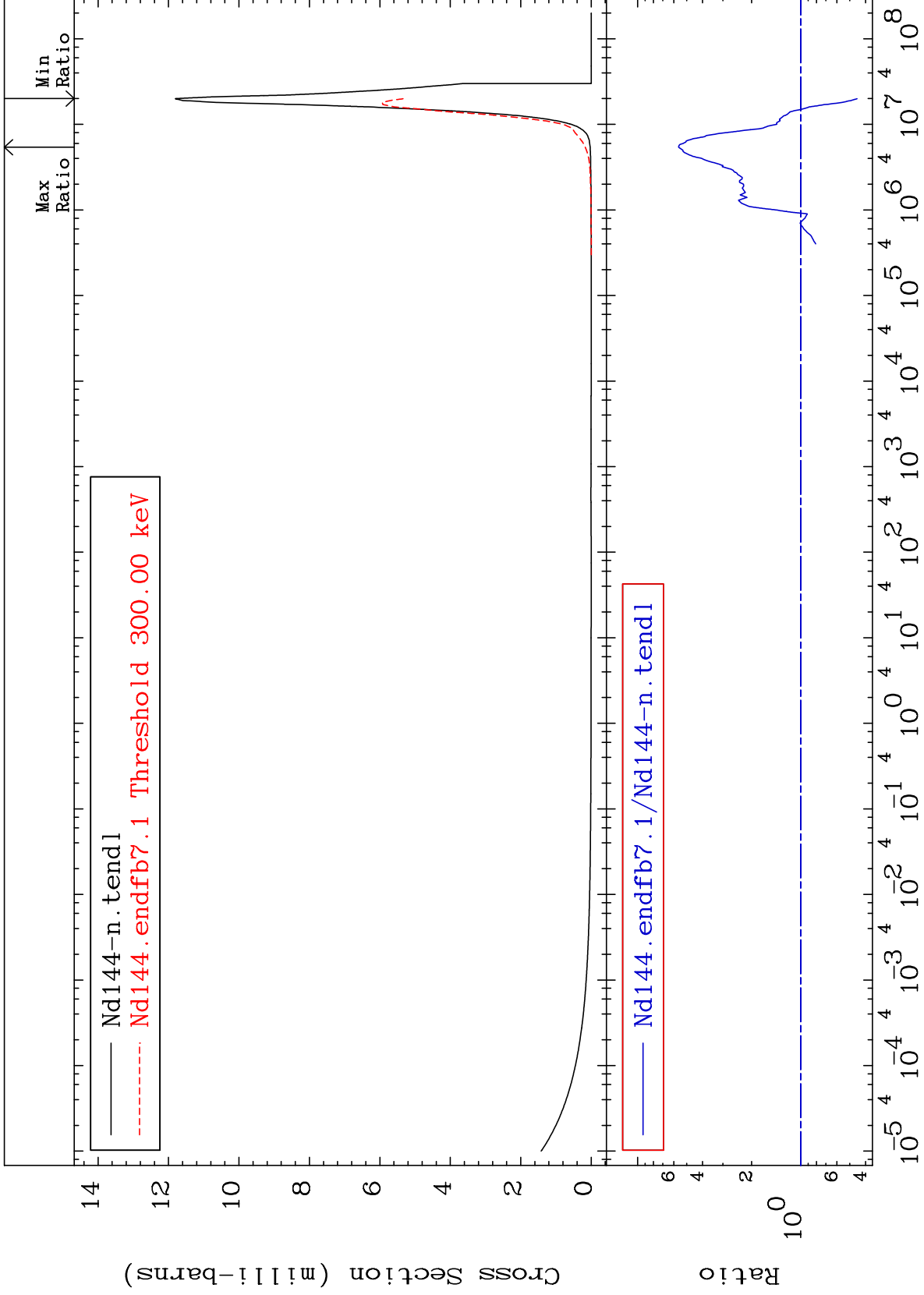
-73.80 To 2685. %

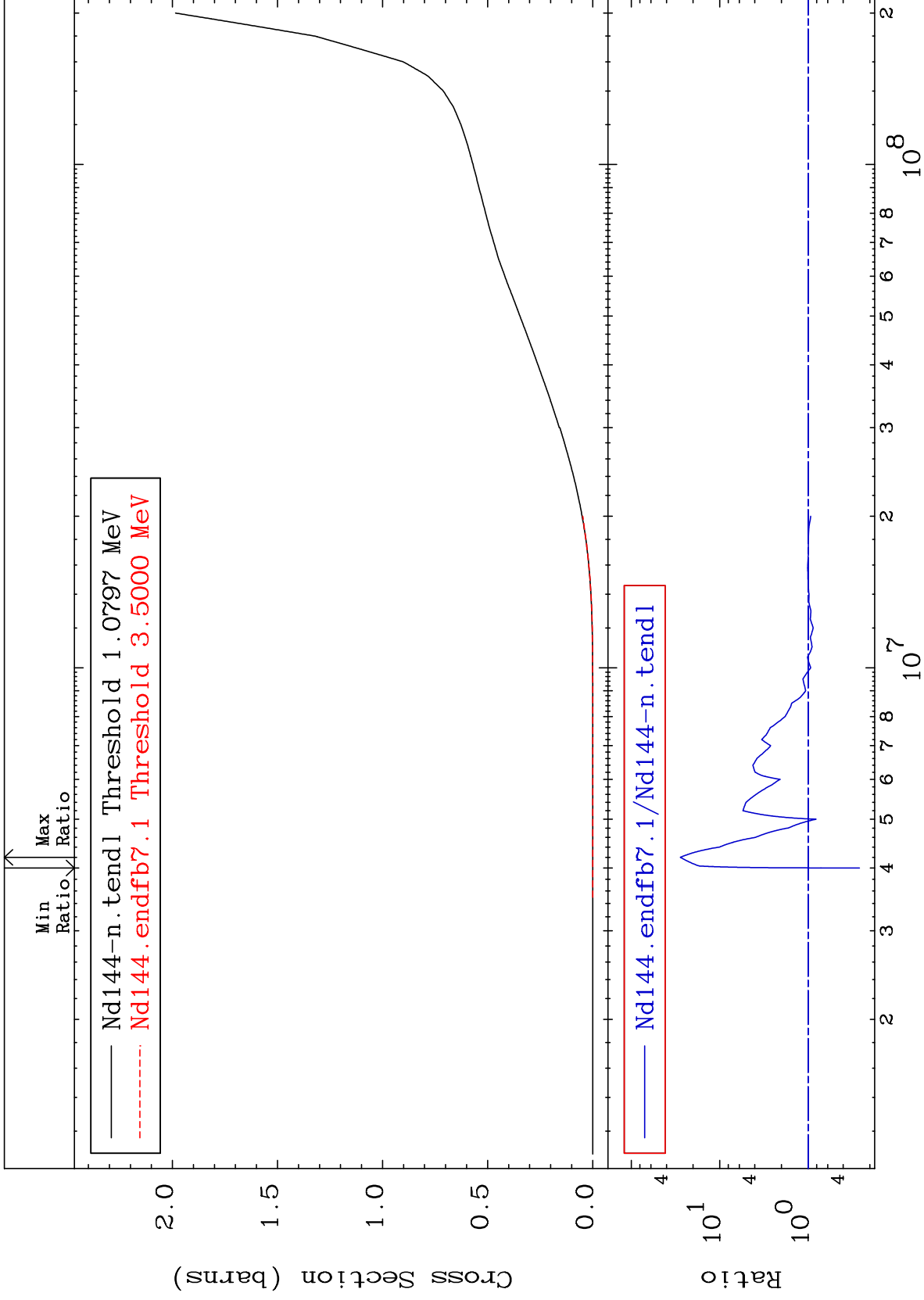


MAT 6031

(n,  $\alpha$ )  
Cross Section

60-Nd-144  
-55.05 To 460.0 %

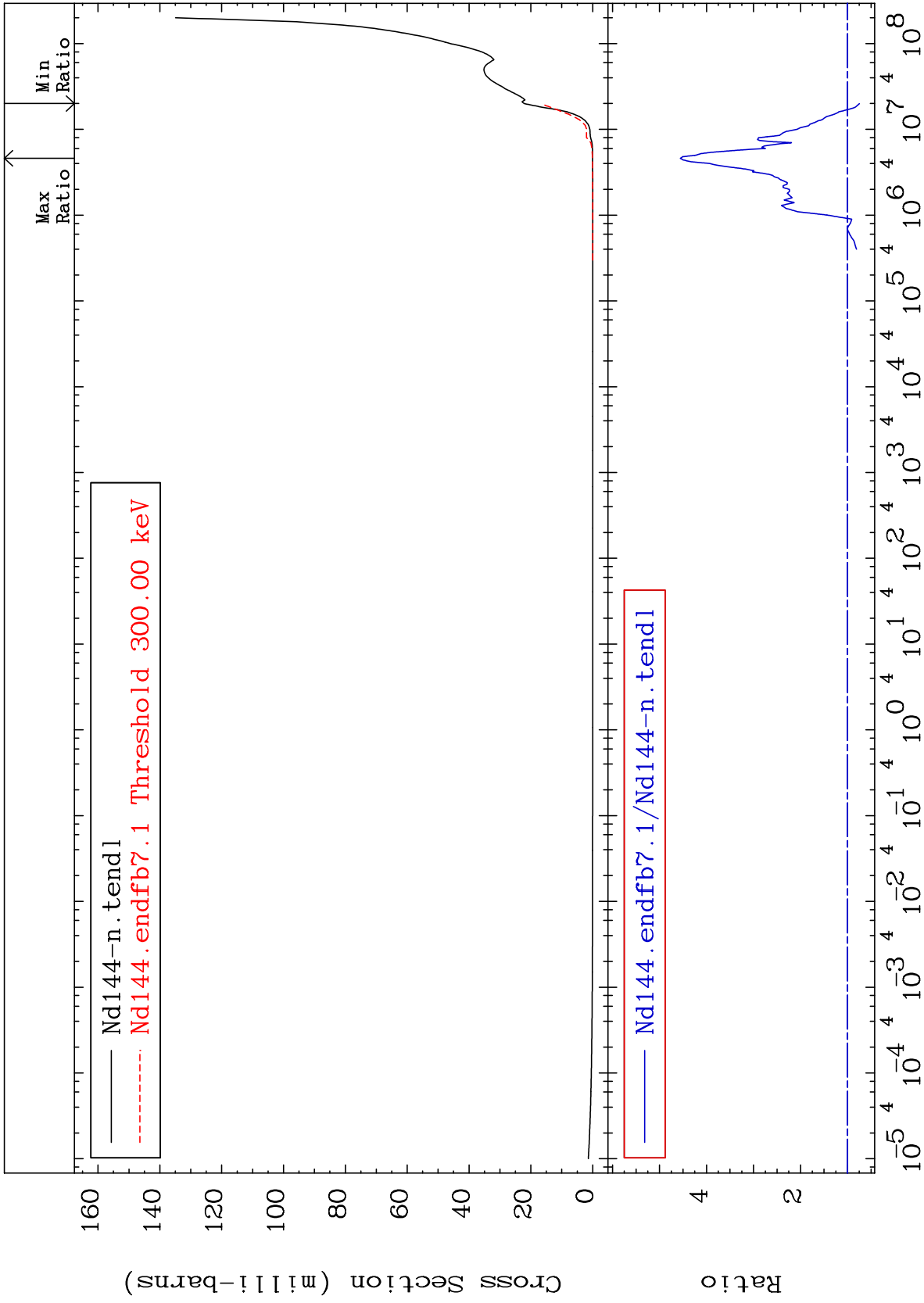




MAT 6031

He-4 Production  
Cross Section

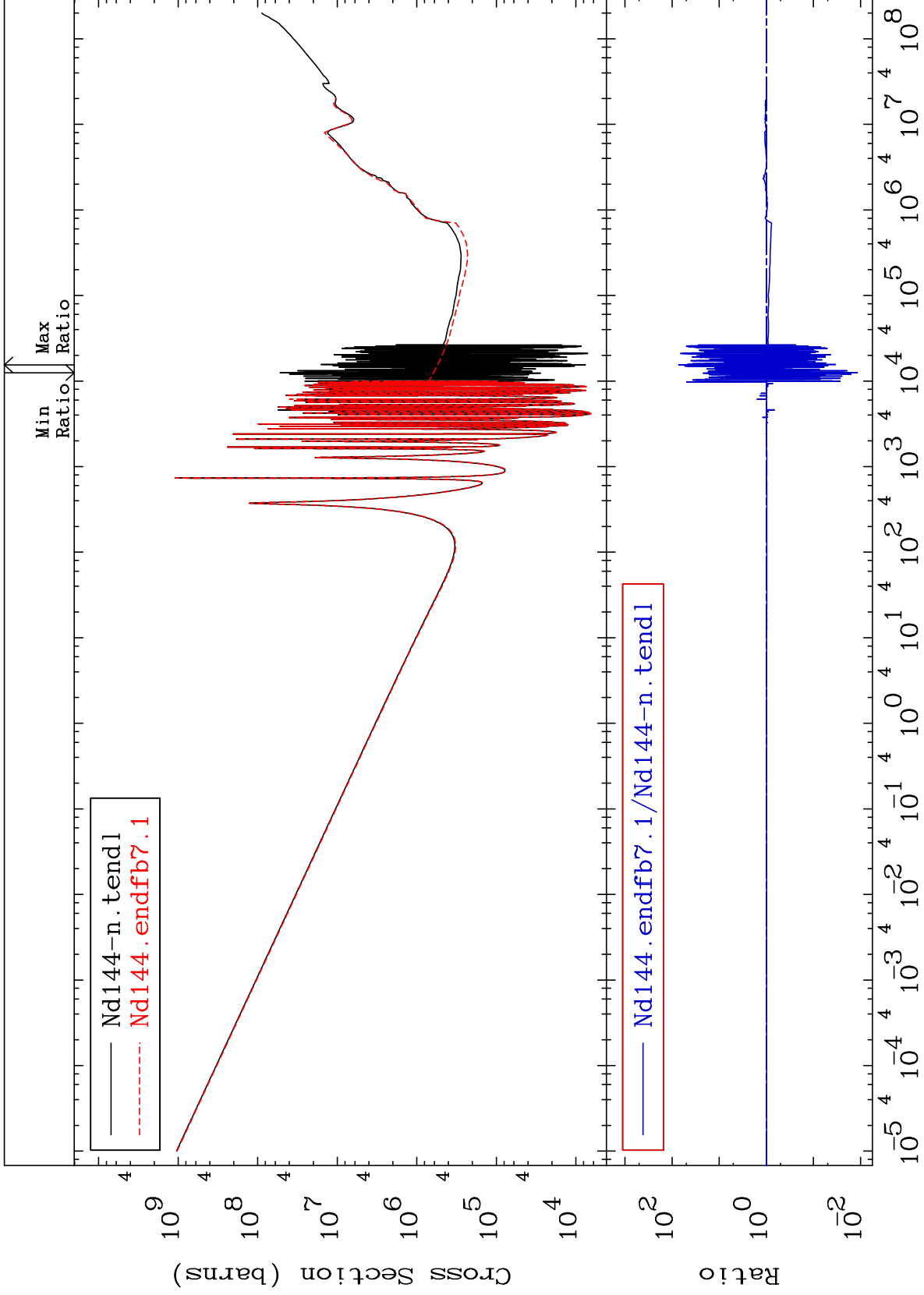
60-Nd-144  
-25.29 To 355.7 %



45

Incident Energy (eV)

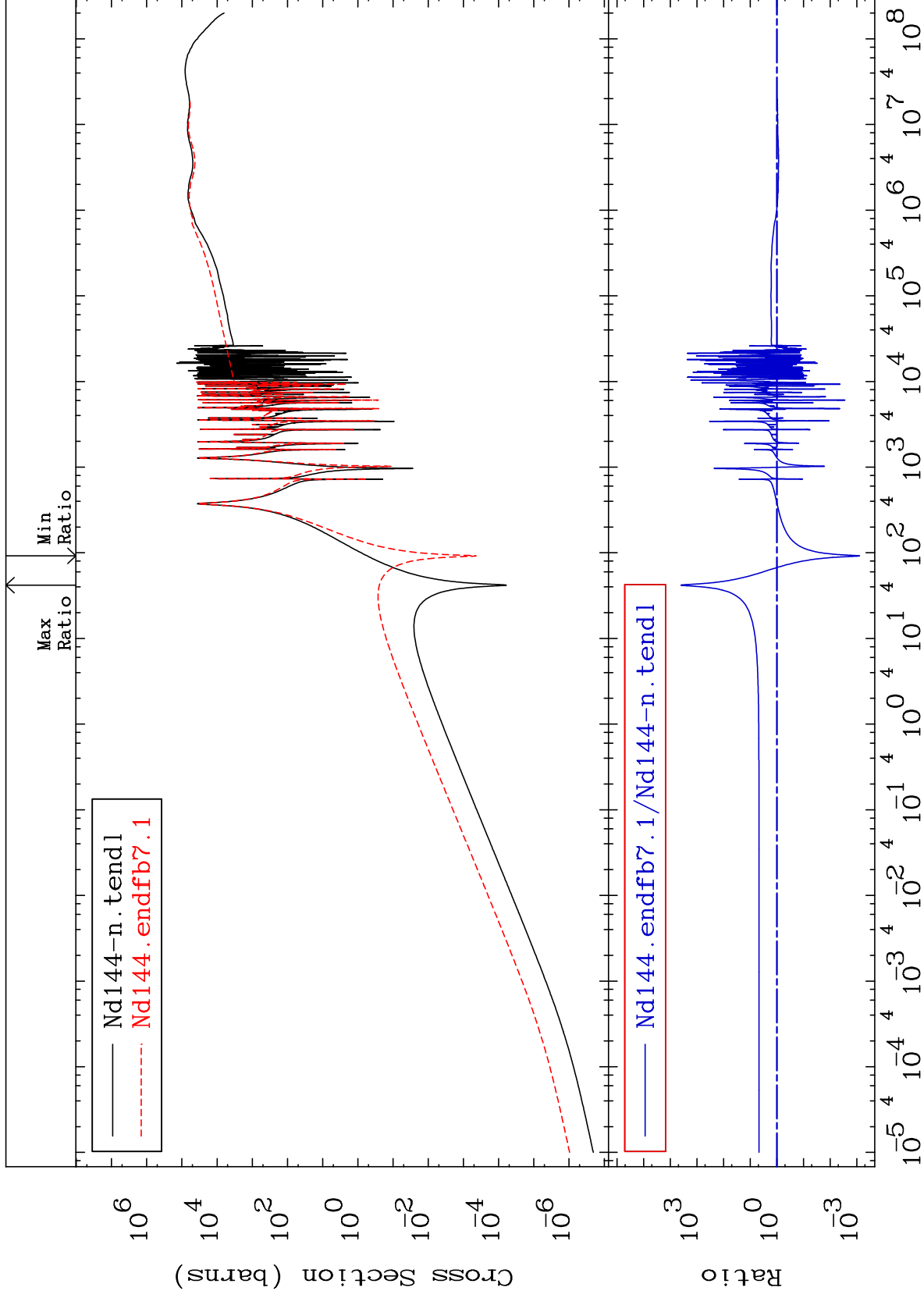
60-Nd-144

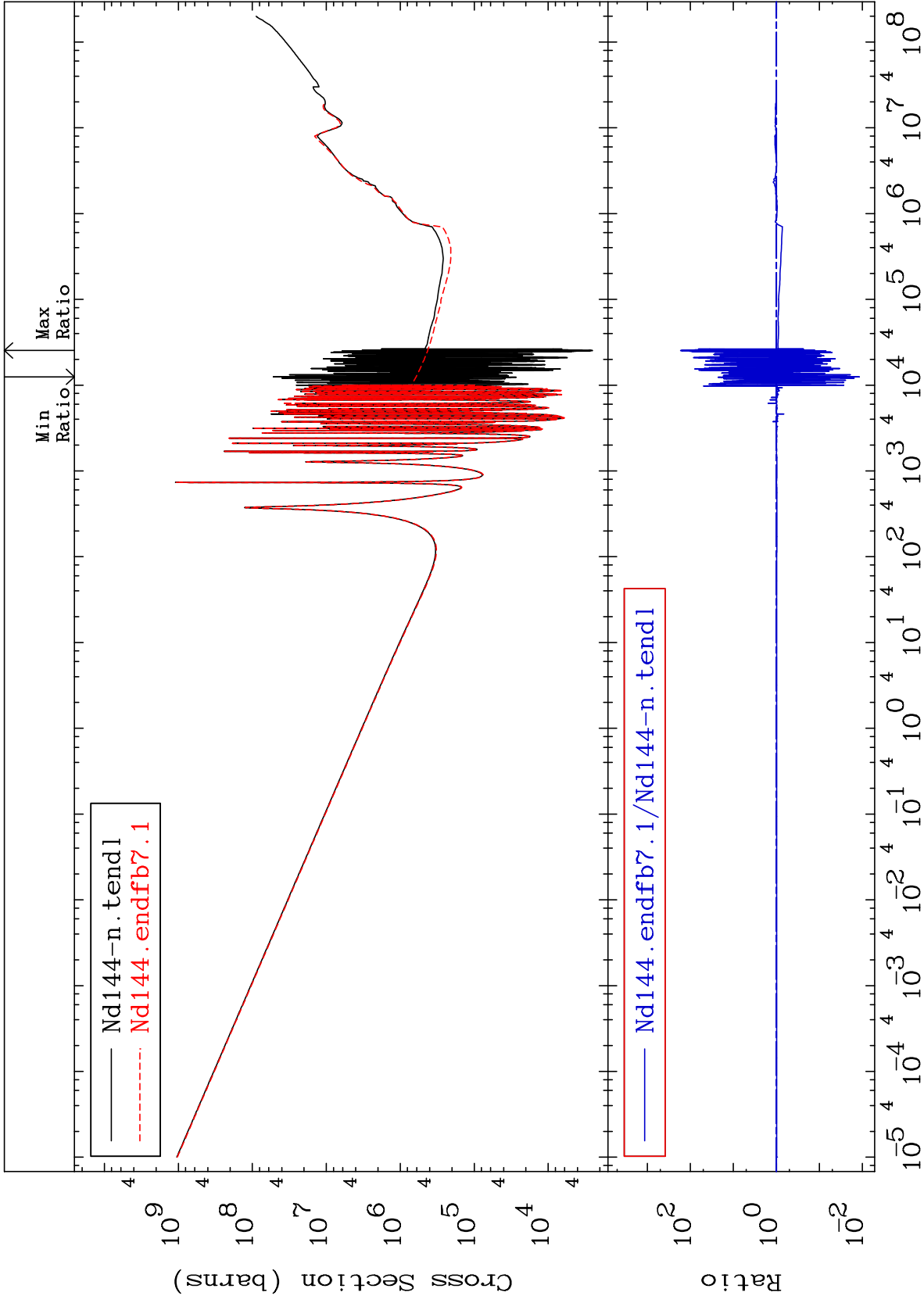


MAT 6031

Kerma elastic  
Cross Section

60-Nd-144  
-99.92 To 9999. %



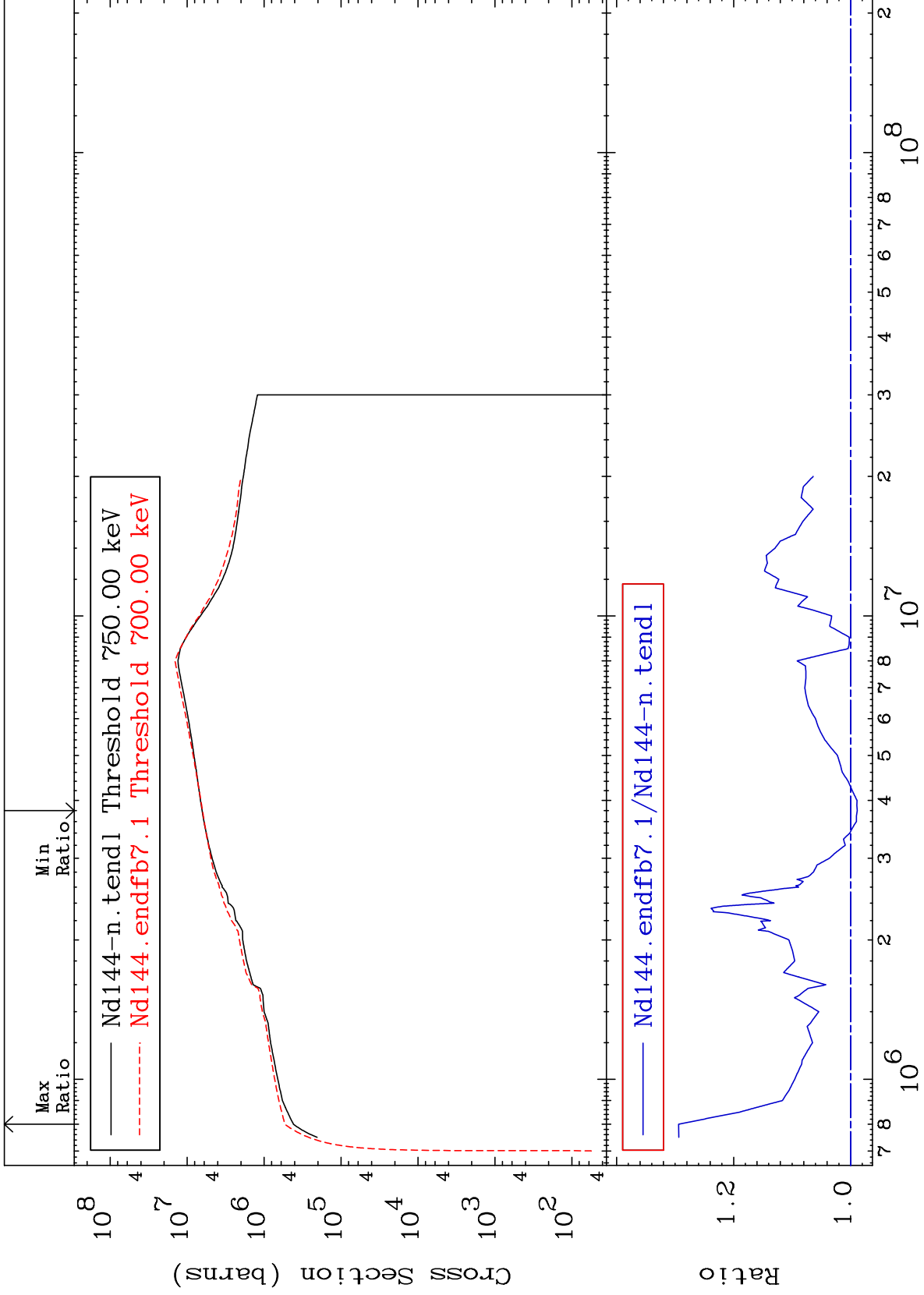




MAT 6031

Kerma inelastic (mt51-91)  
Cross Section

60-Nd-144  
-1.144 To 29.40 %



49

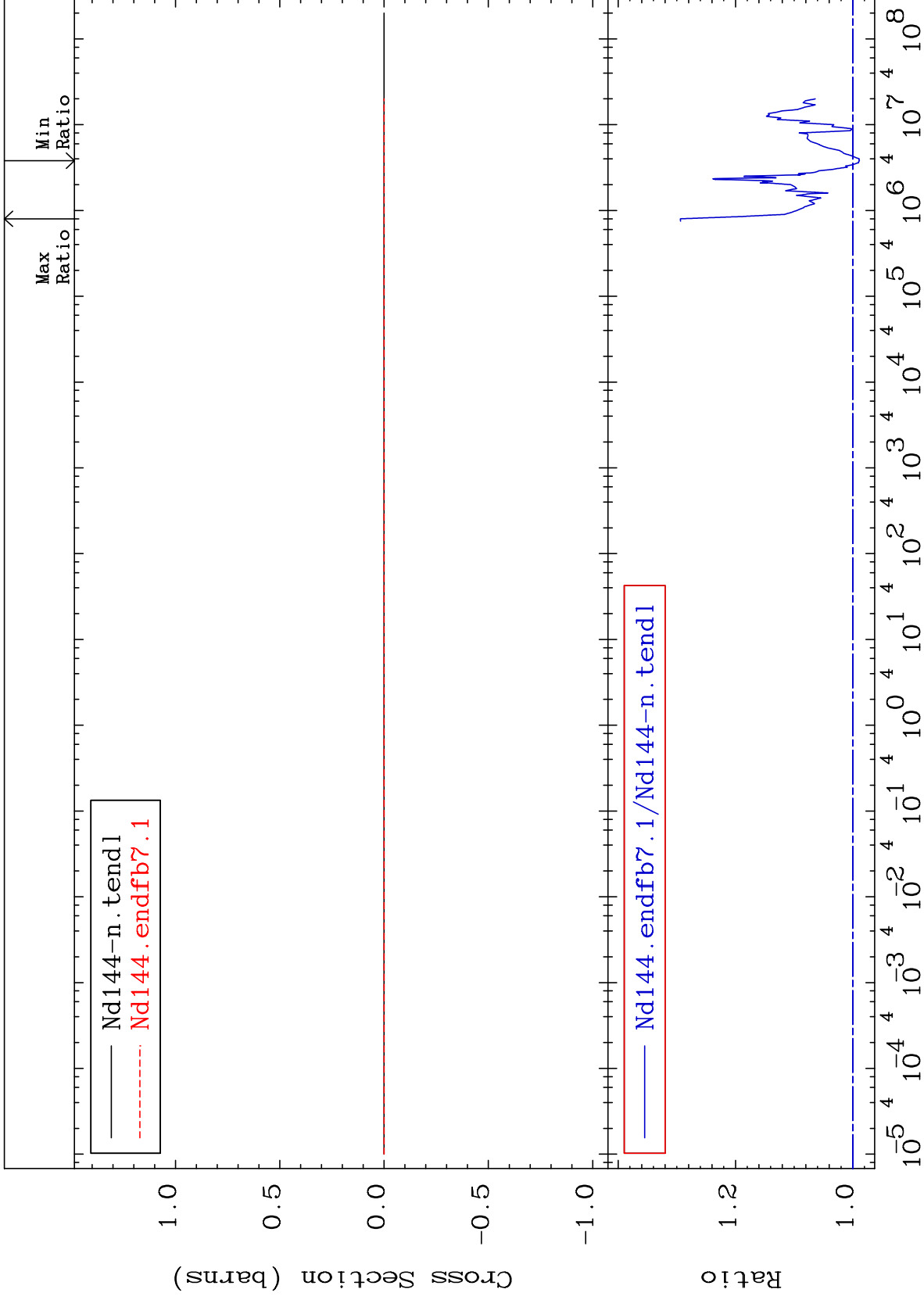
Incident Energy (eV)

60-Nd-144

MAT 6031

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

60-Nd-144  
-1.144 To 29.40 %



50

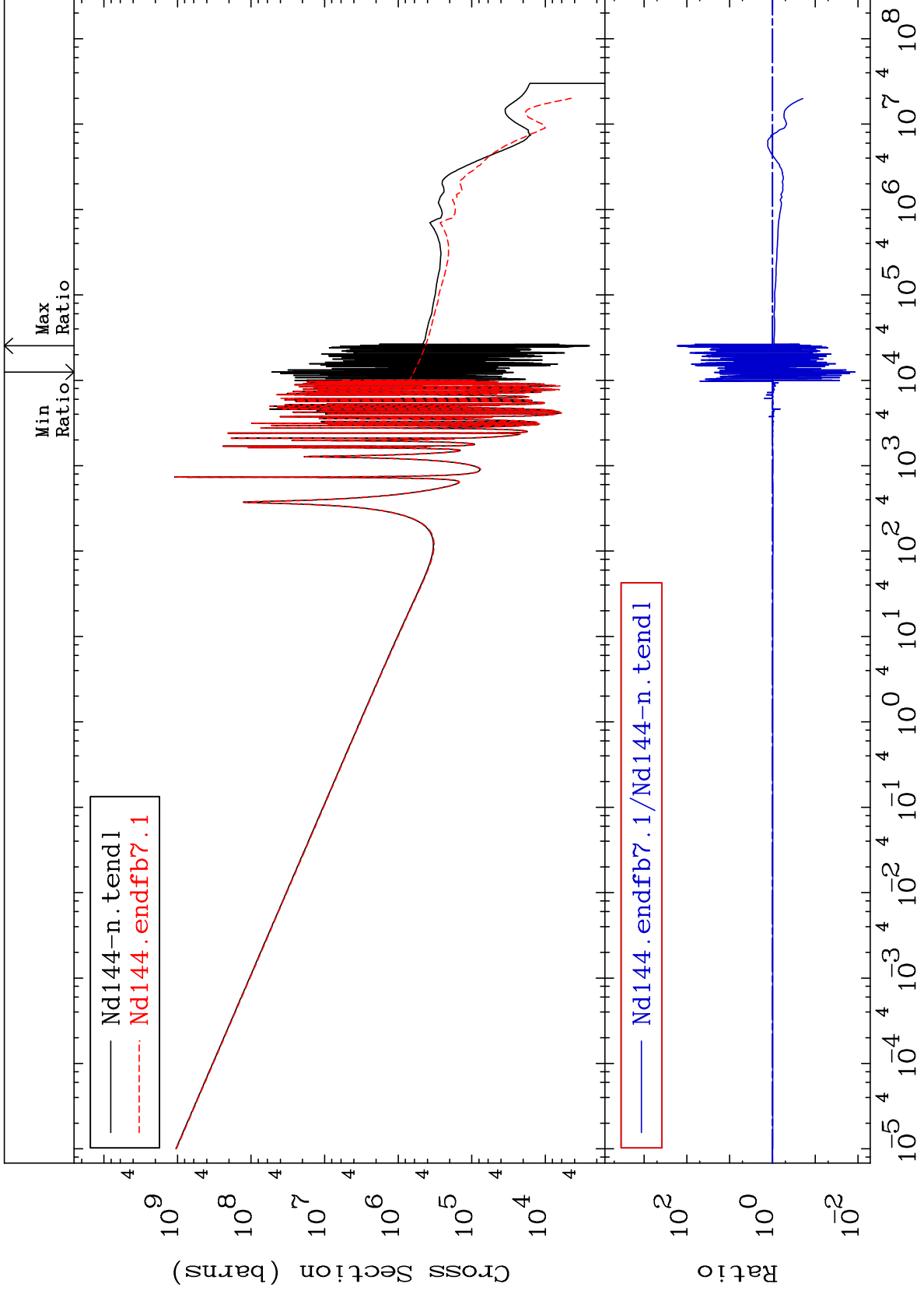
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma capture (mt102)  
Cross Section

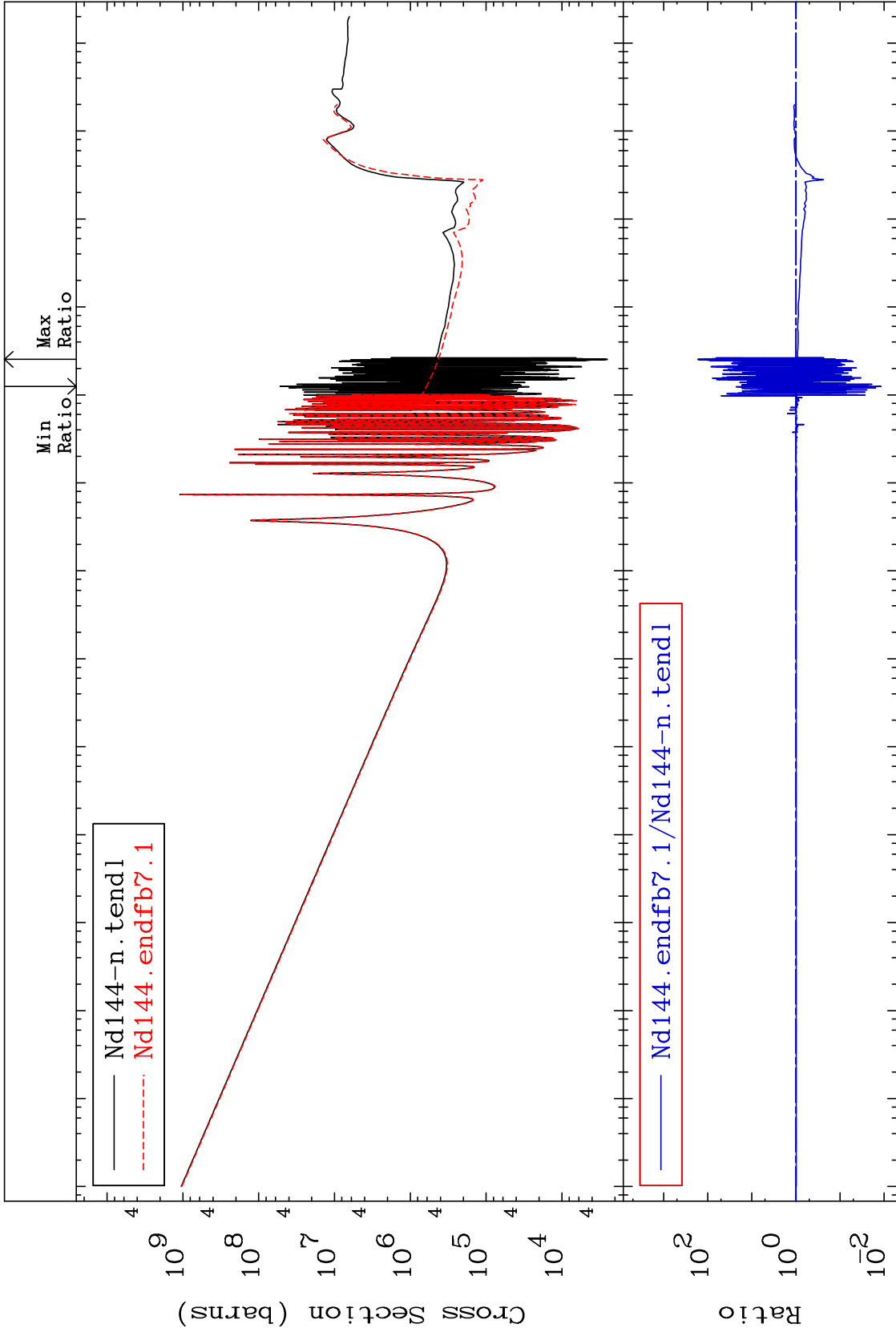
60-Nd-144  
-98.83 To 9999. %



MAT 6031

Total photon (eV-barns)  
Cross Section

60-Nd-144  
-98.83 To 9999. %



52

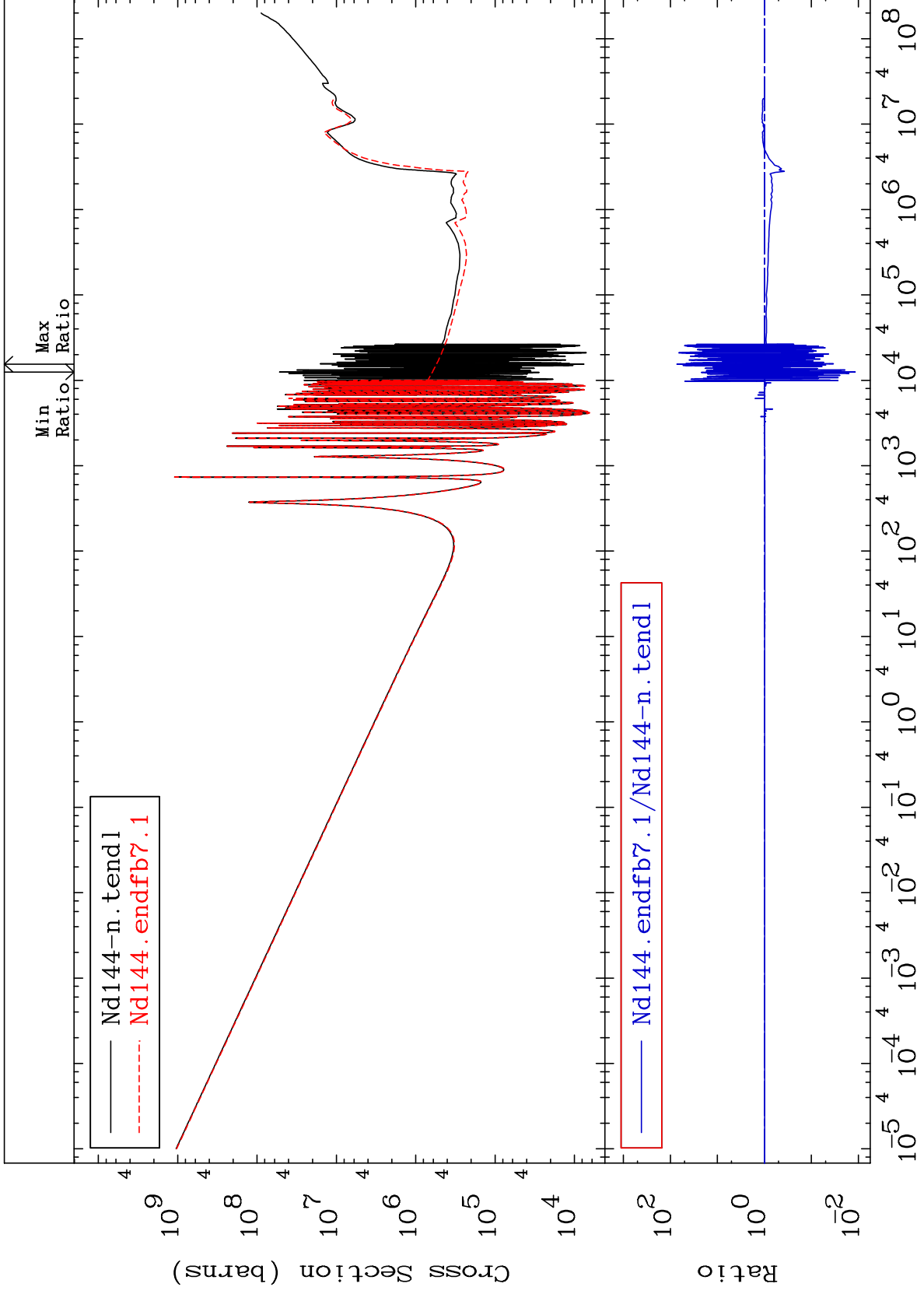
Incident Energy (eV)

60-Nd-144

MAT 6031

Total kinematic kerma (high limit)  
Cross Section

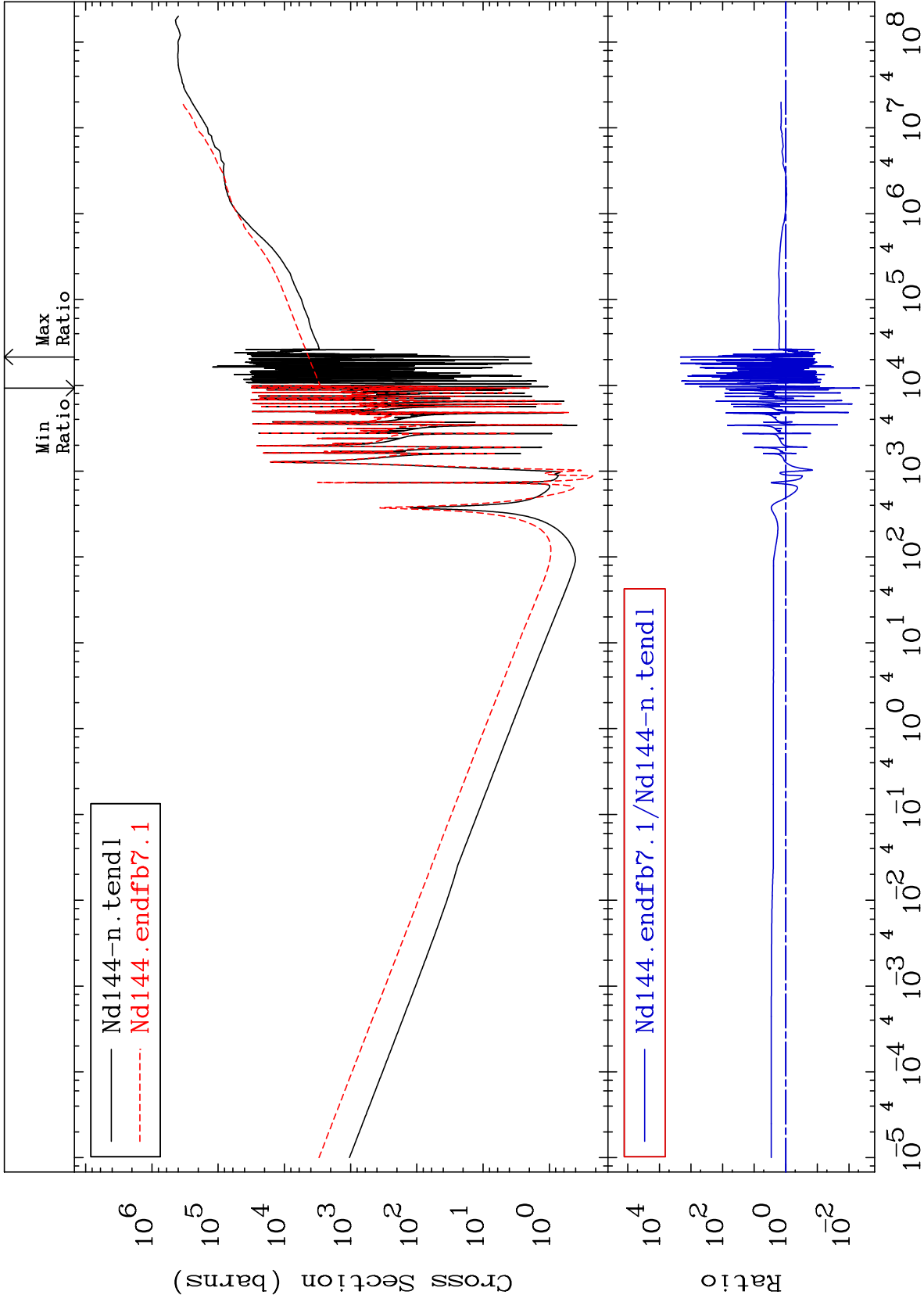
60-Nd-144  
-98.82 To 7156. %

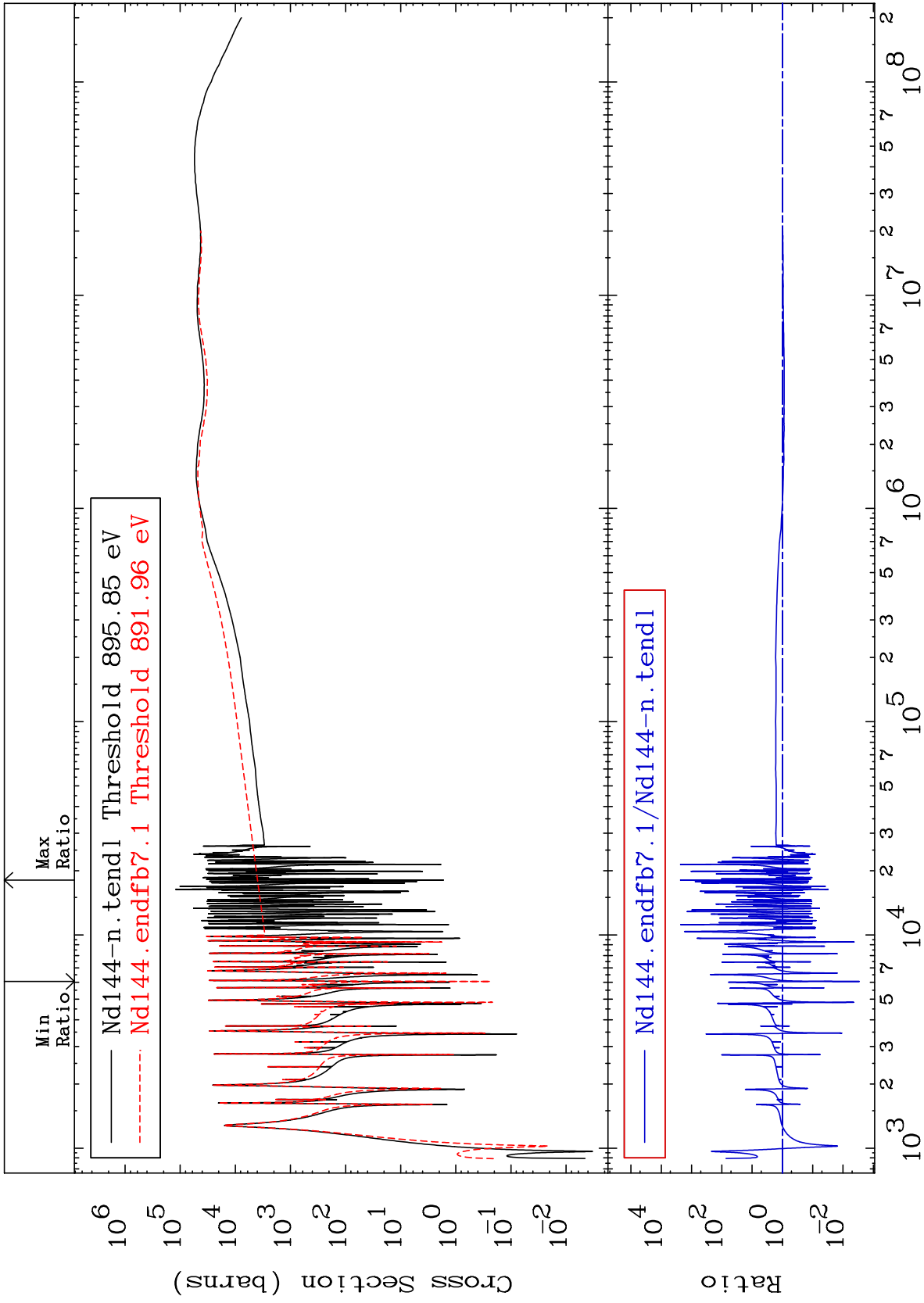


MAT 6031

Dpa total (eV-barns)  
Cross Section

60-Nd-144  
-99.53 To 9999. %

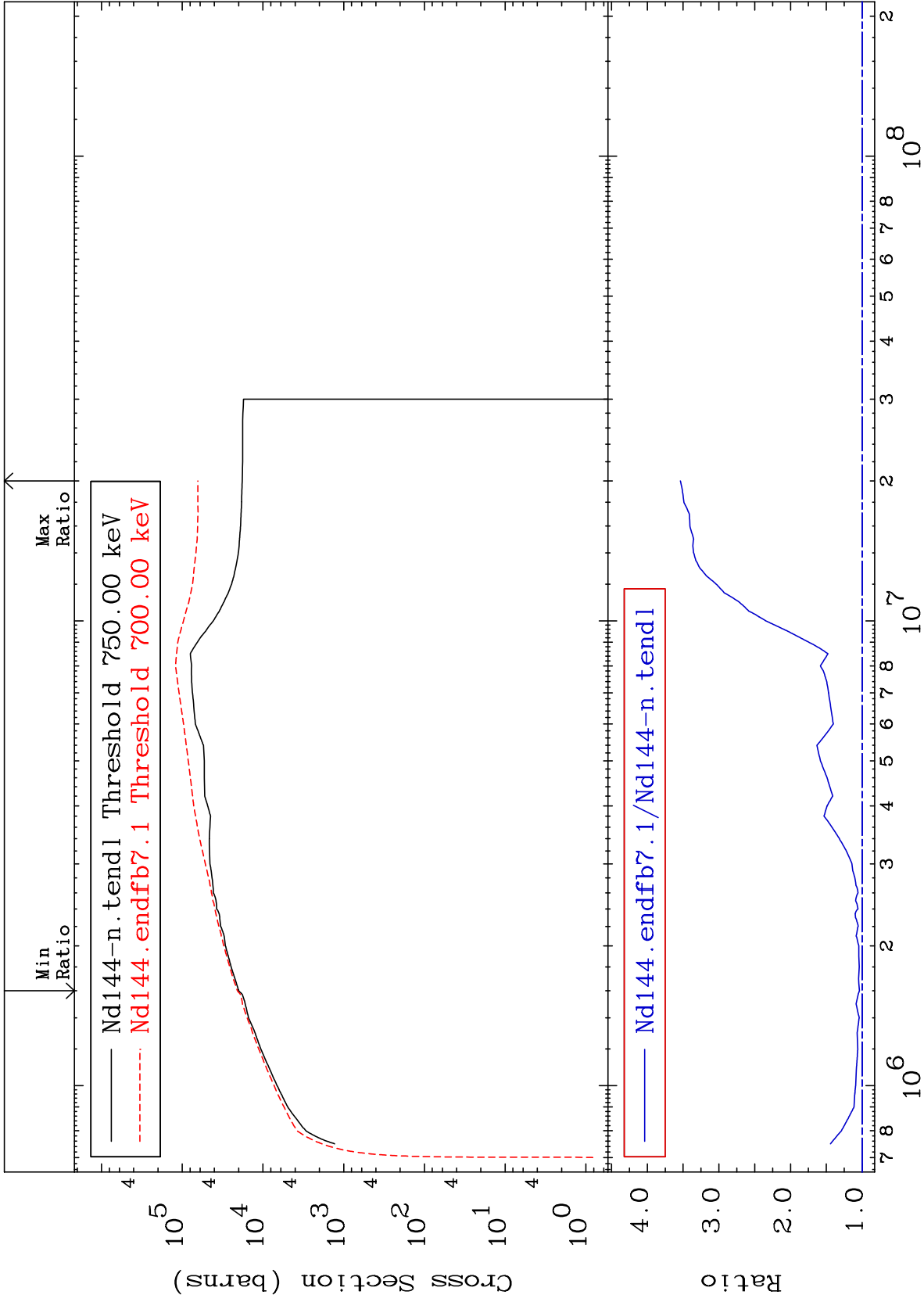




MAT 6031

Dpa inelastic (mt51-91)  
Cross Section

60-Nd-144  
3.781 To 253.9 %

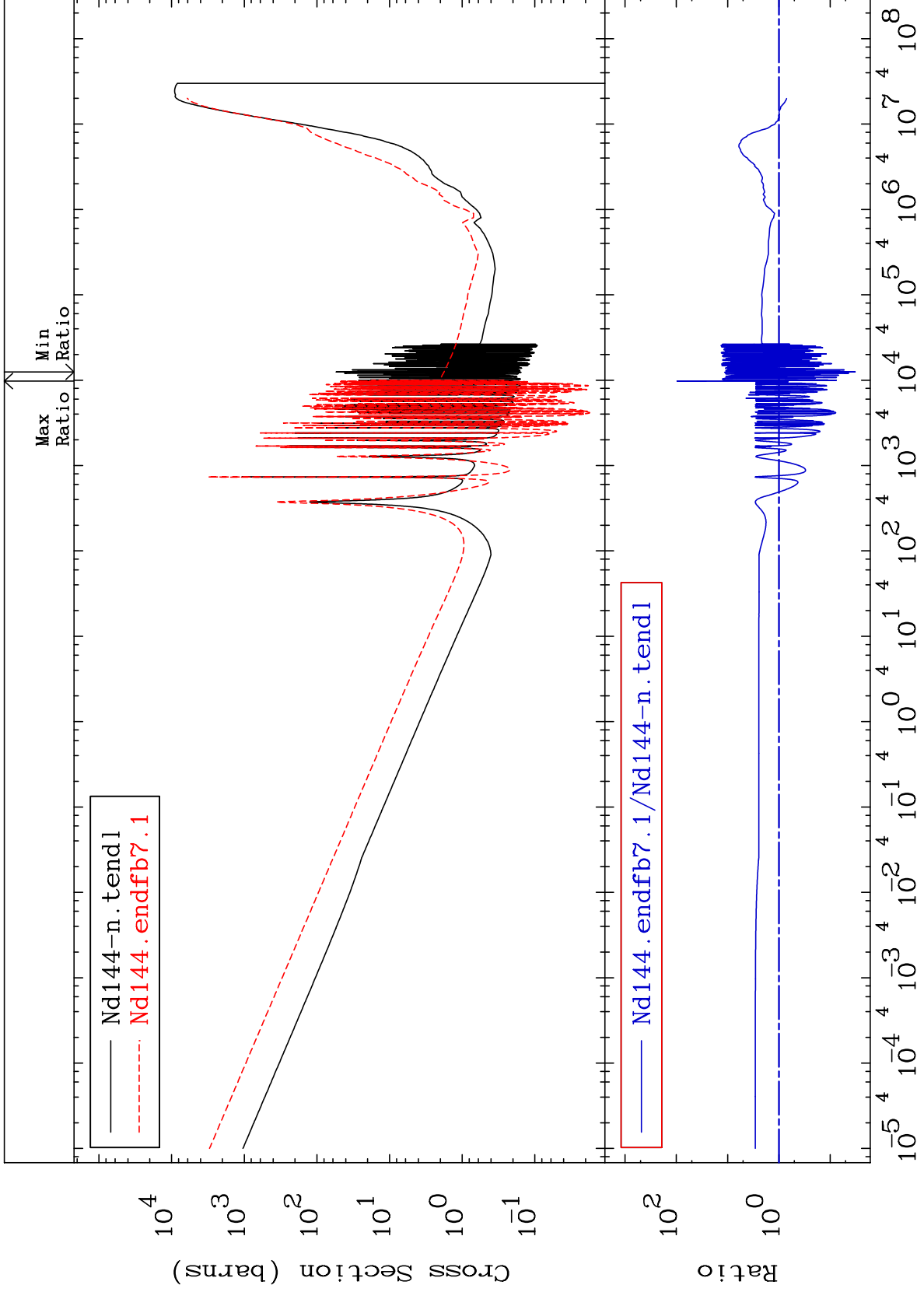




MAT 6031

Dpa disappearance (mt102 -120)  
Cross Section

60-Nd-144  
-96.73 To 9639. %



57

Incident Energy (eV)

60-Nd-144