

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

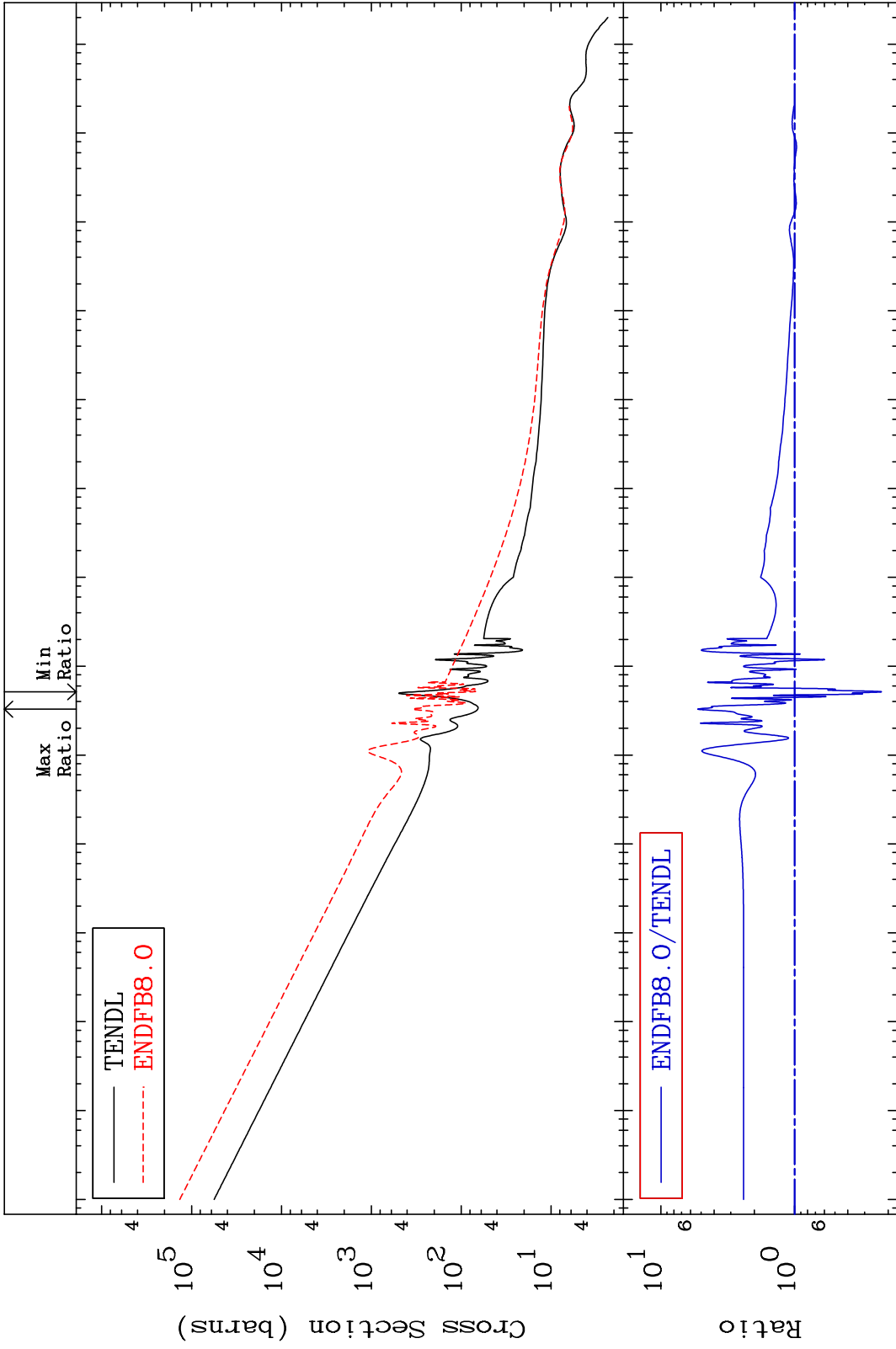
MAT 9349

Total

93-Np-238

-77.60 To 430.1 %

Cross Section



Incident Energy (eV)

93-Np-238

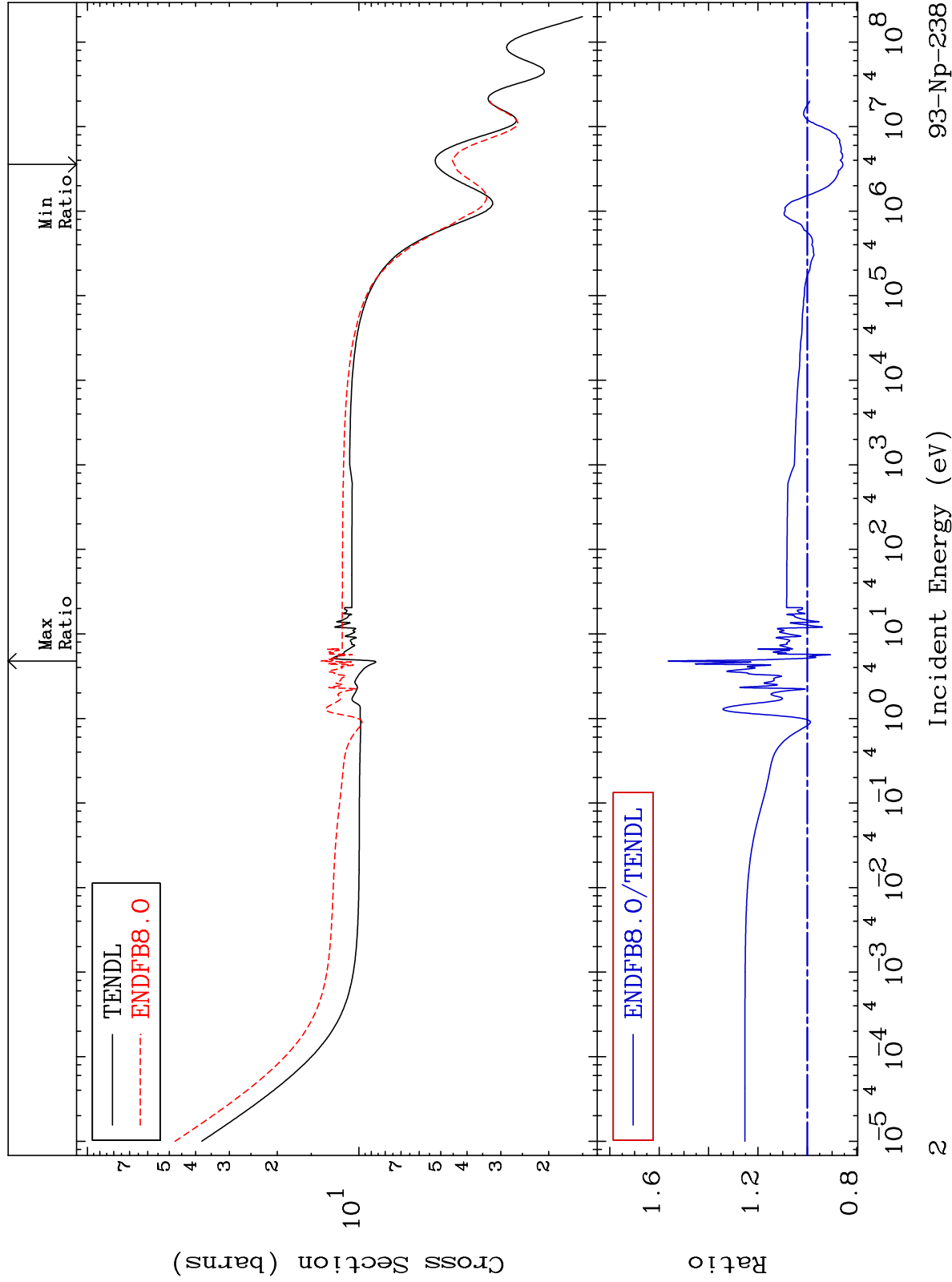
MAT 9349

Elastic

Cross Section

93-Np-238

-14.38 To 56.43 %



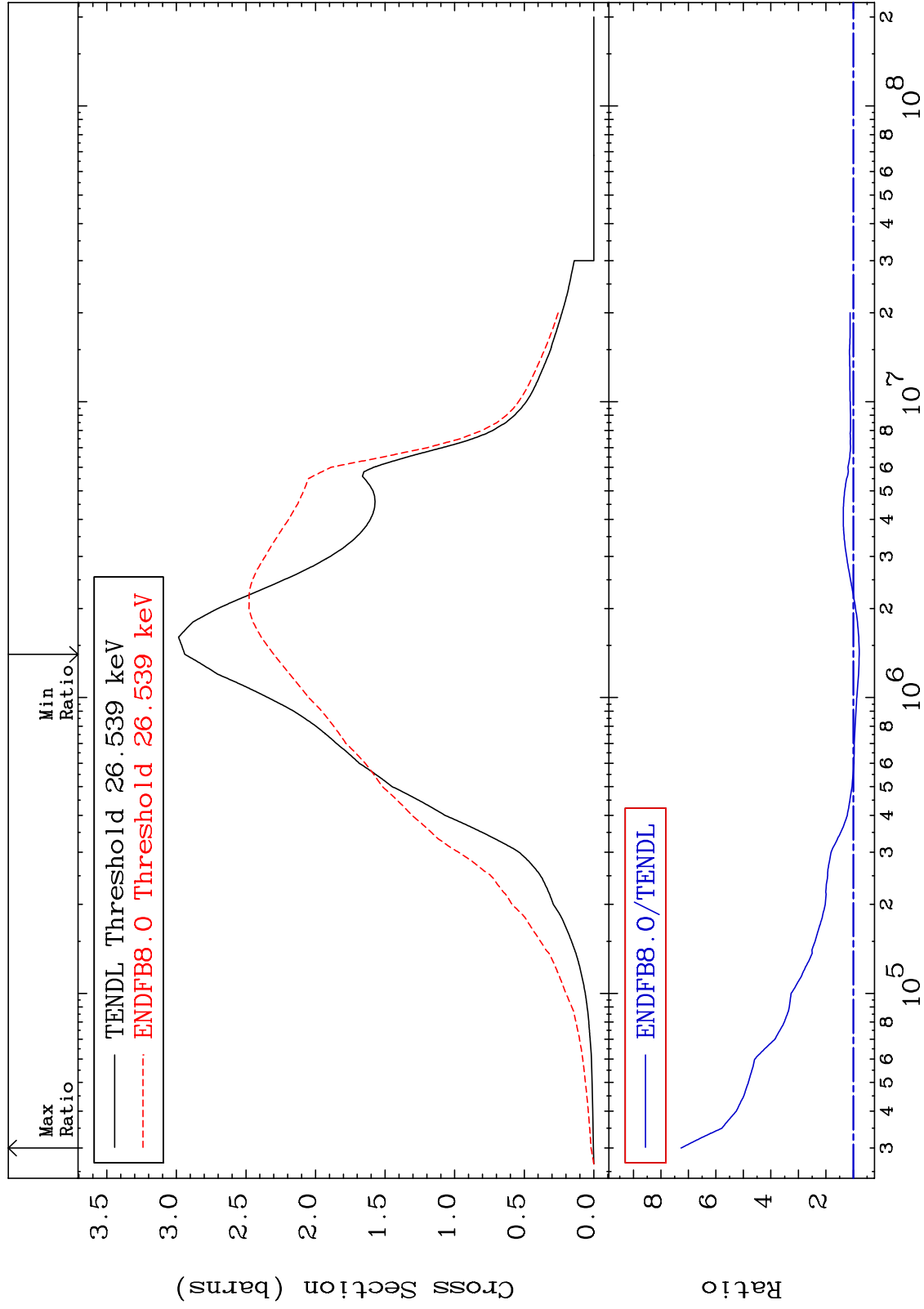
Incident Energy (eV)

93-Np-238

MAT 9349

Inelastic  
Cross Section

93-Np-238  
-21.73 To 626.8 %



3

Incident Energy (eV)

93-Np-238

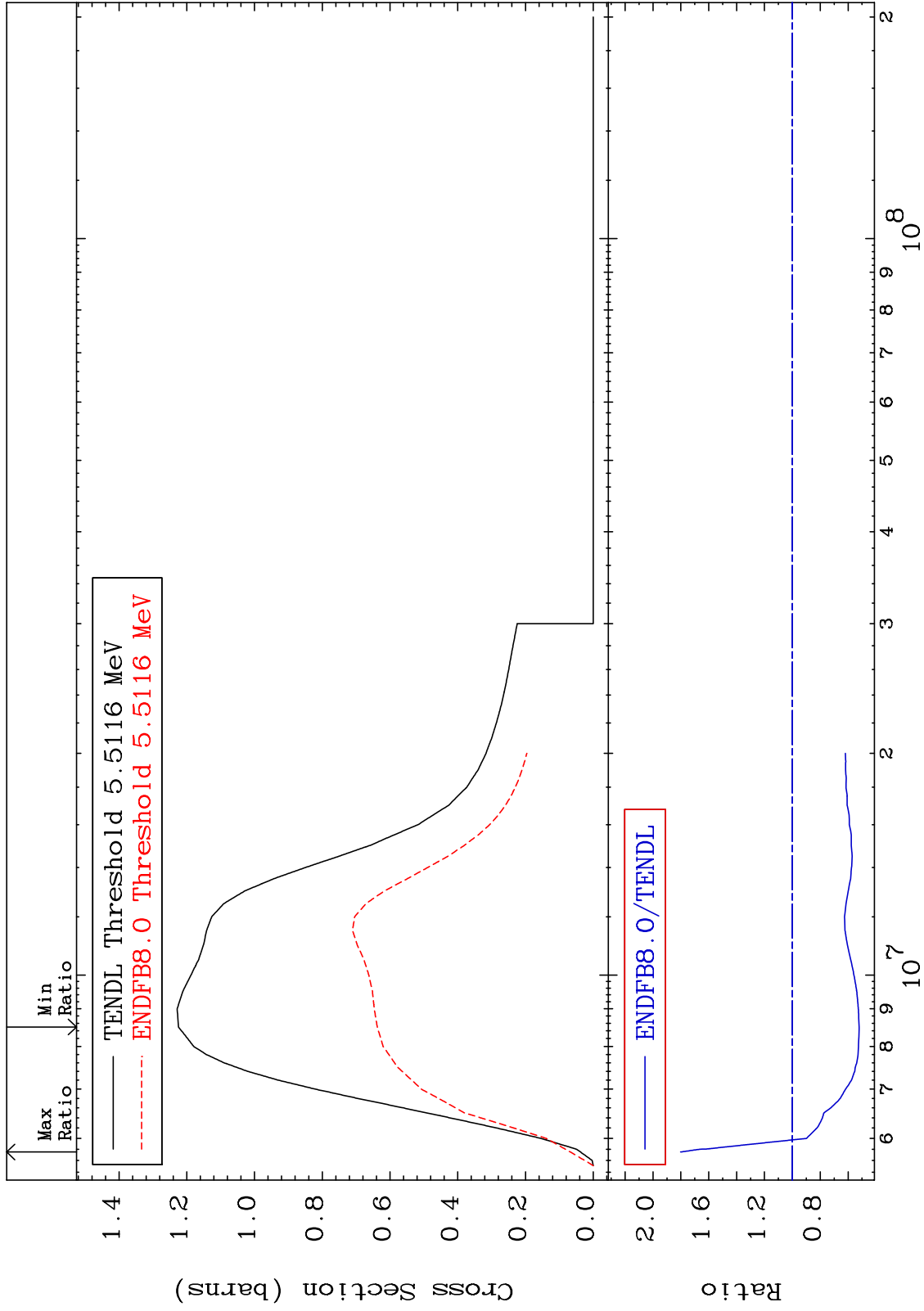
MAT 9349

(n,2n)

93-Np-238

Cross Section

-47.94 To 80.16 %



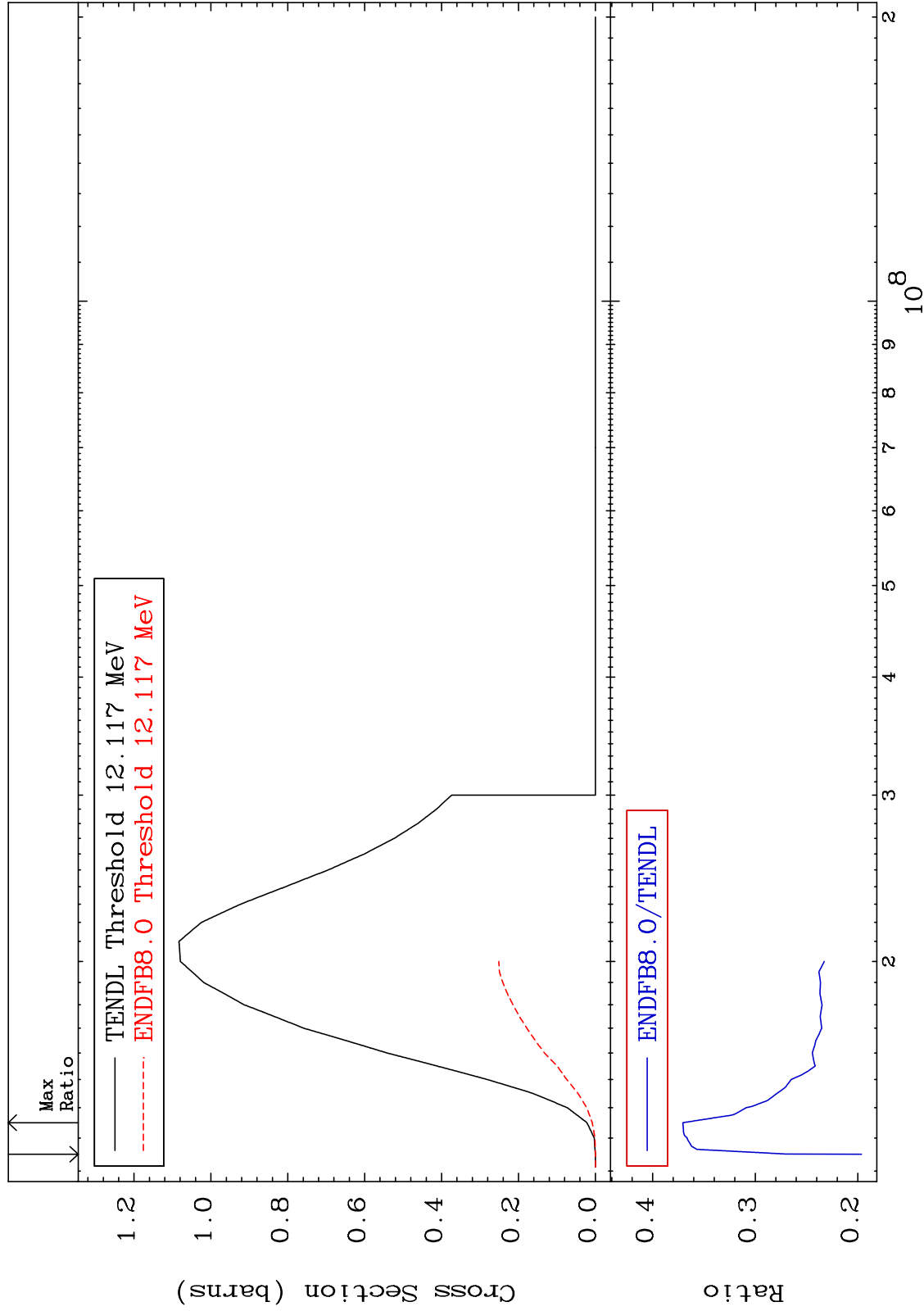
MAT 9349

(n, 3n)

93-Np-238

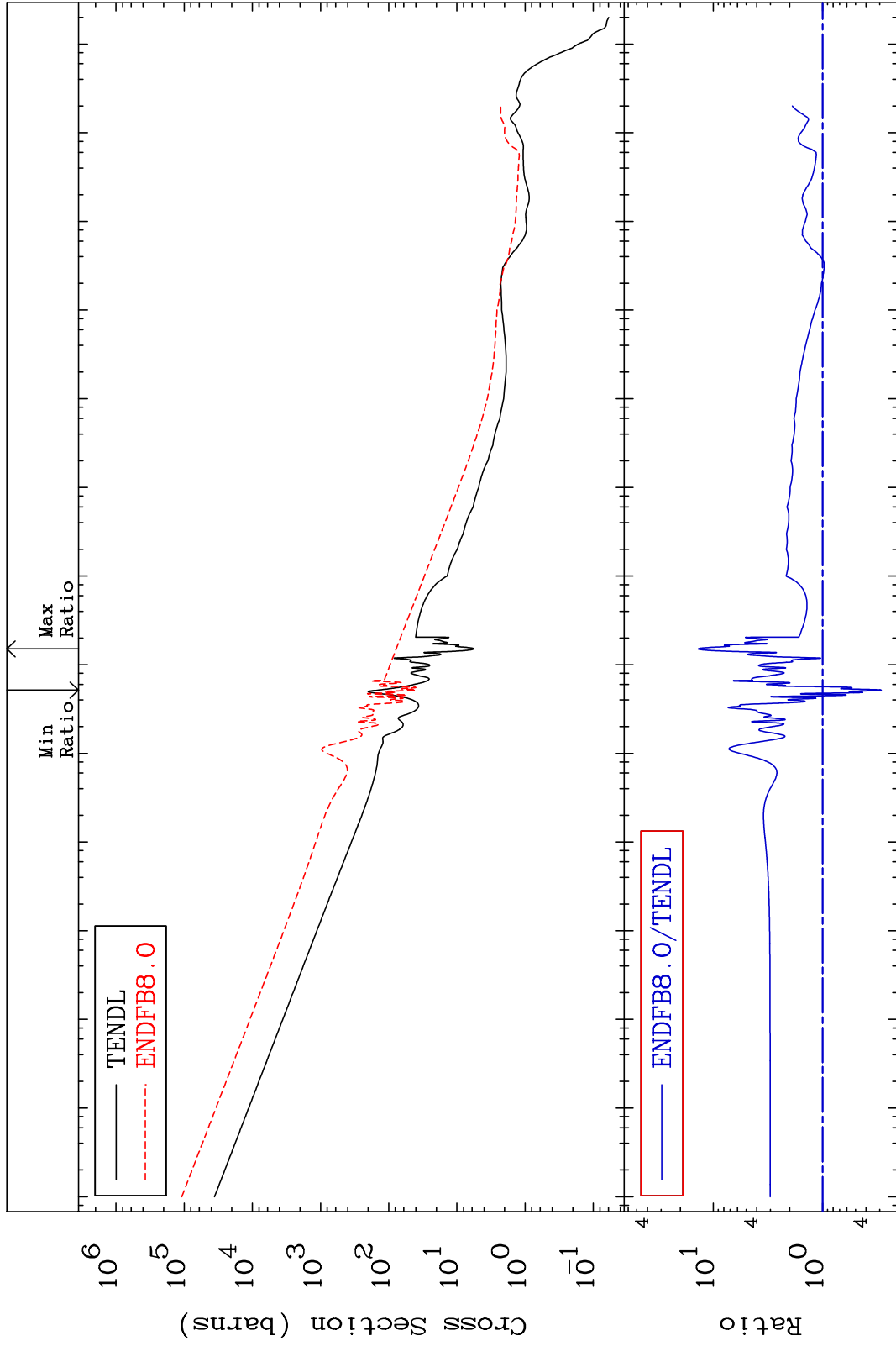
Cross Section

-80.37 To -62.94%



MAT 9349

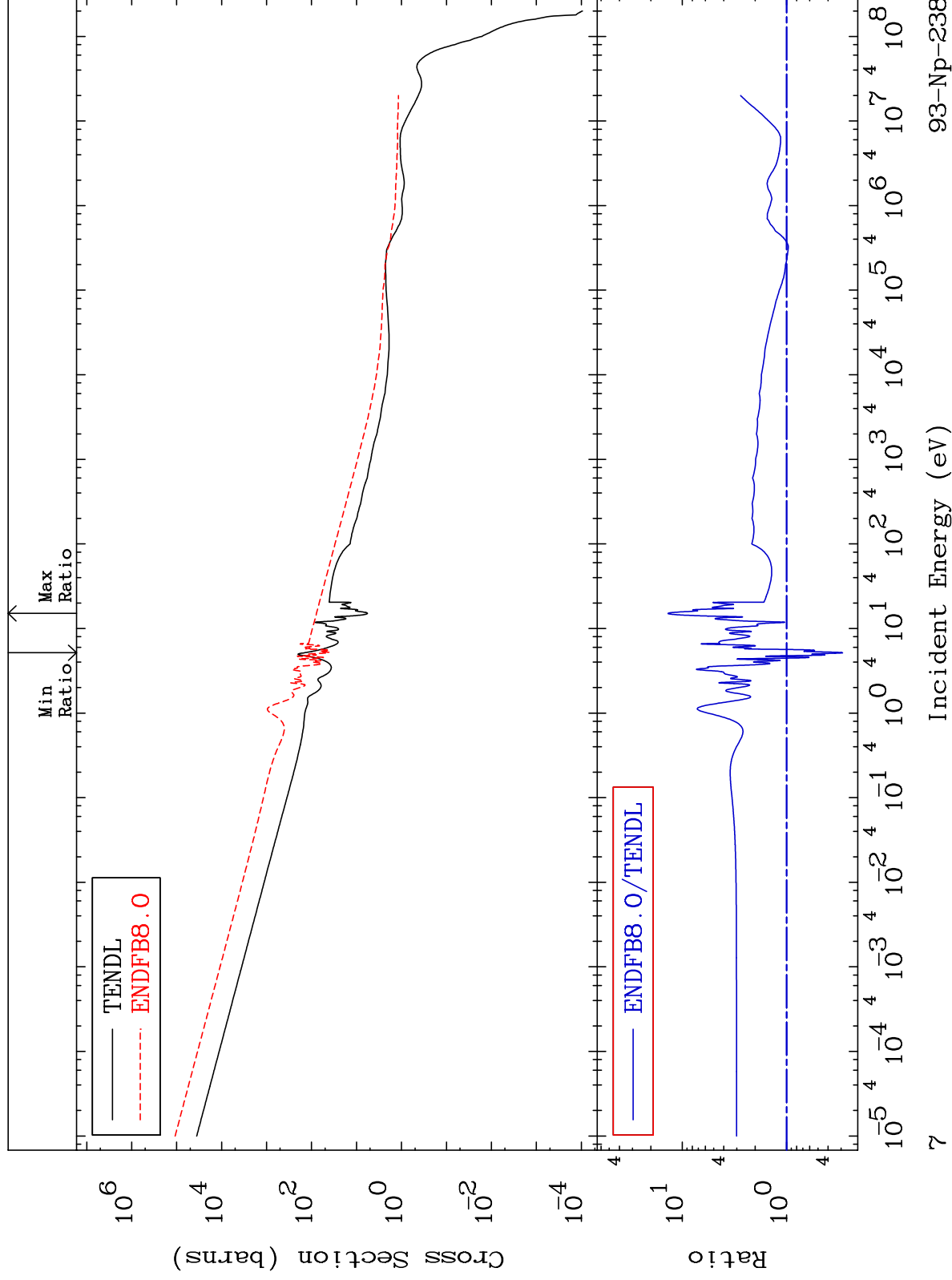
Fission Cross Section  
93-Np-238  
-71.09 To 1268. %



MAT 9349

(n,f) First Chance  
Cross Section

93-Np-238  
-71.09 To 1268. %

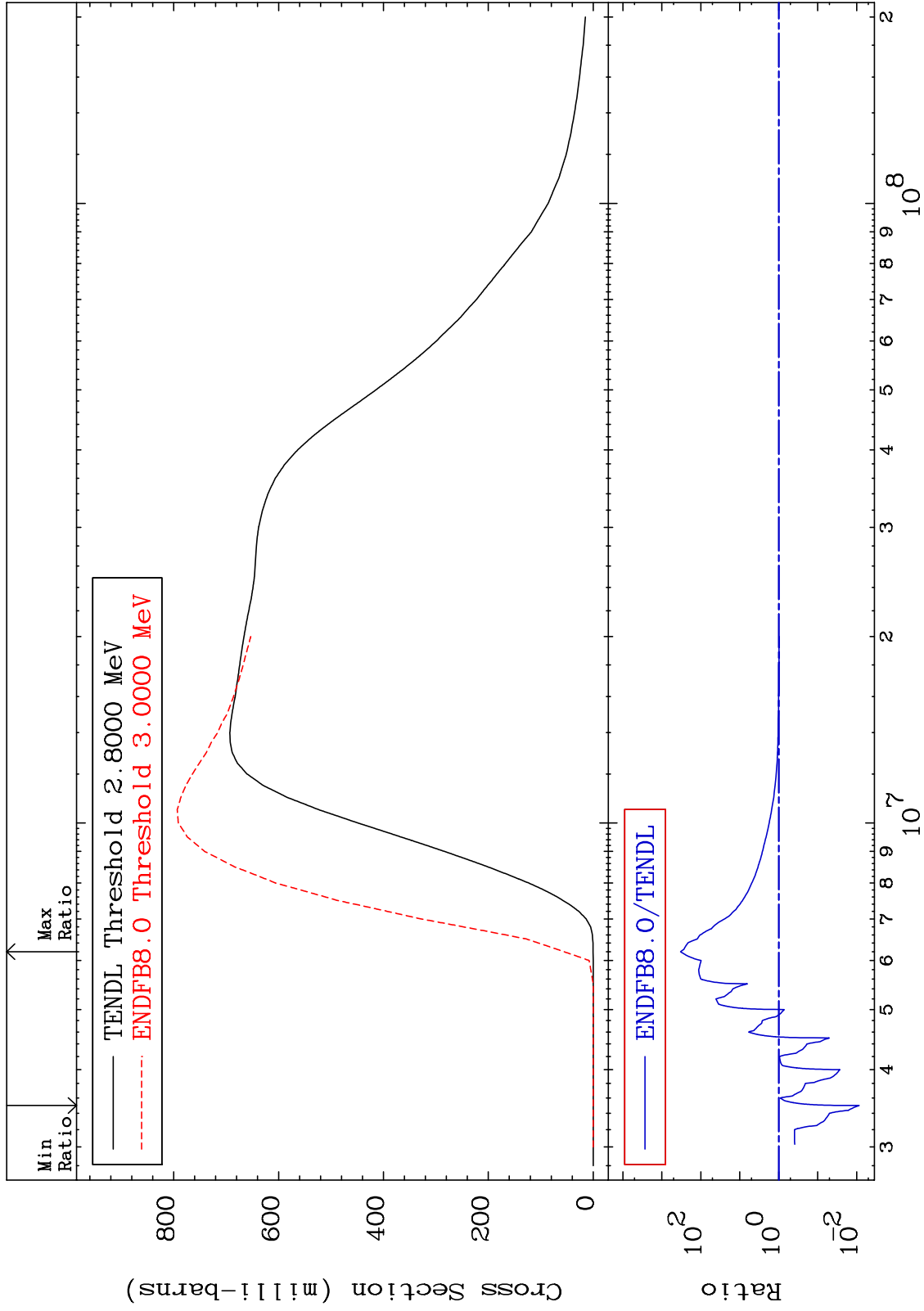




MAT 9349

(n, nf) Second Chance  
Cross Section

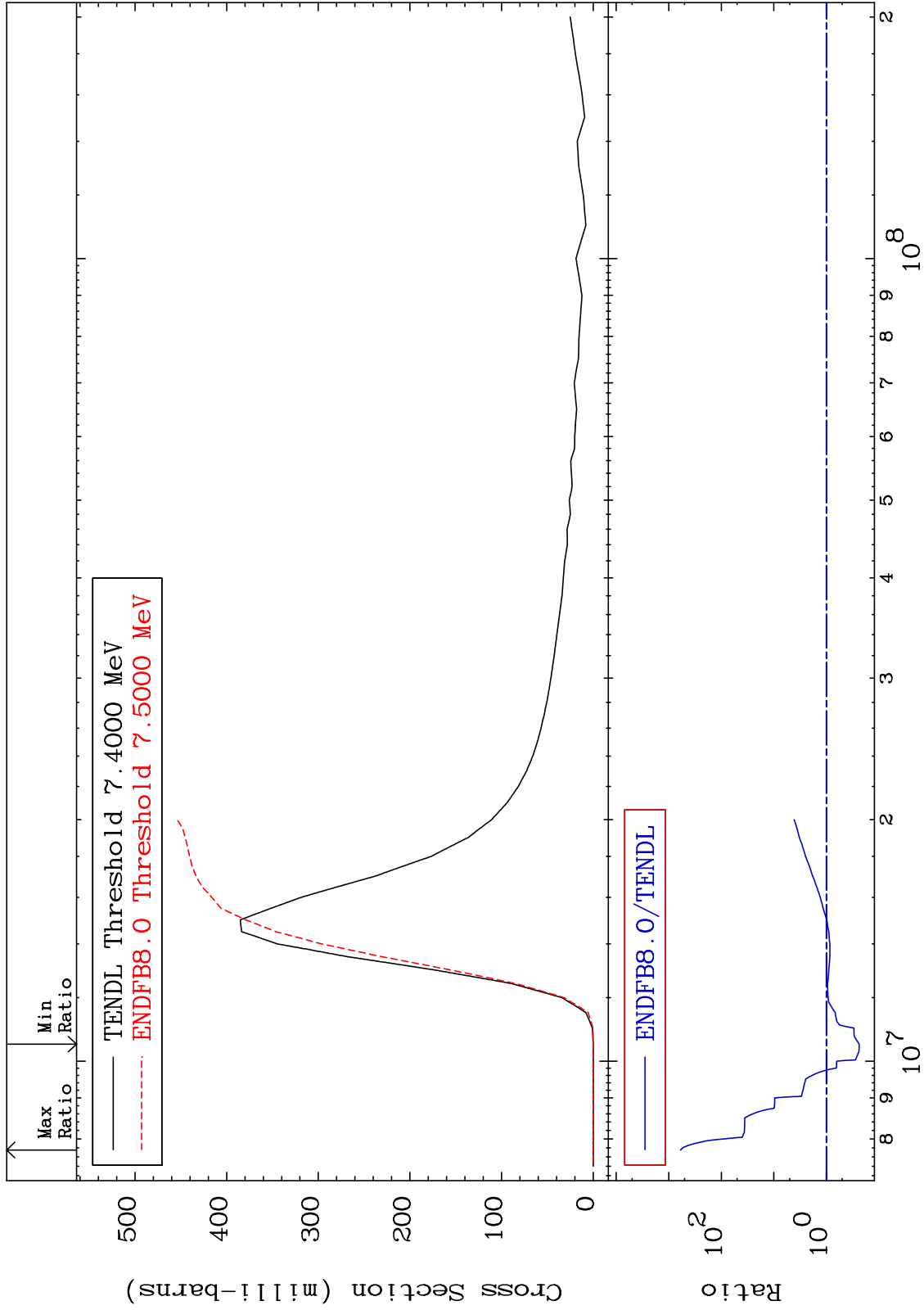
93-Np-238  
-99.14 To 9999. %



MAT 9349

(n,2nf) Third Chance  
Cross Section

93-Np-238  
-76.26 To 9999. %



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Incident Energy (eV)

93-Np-238

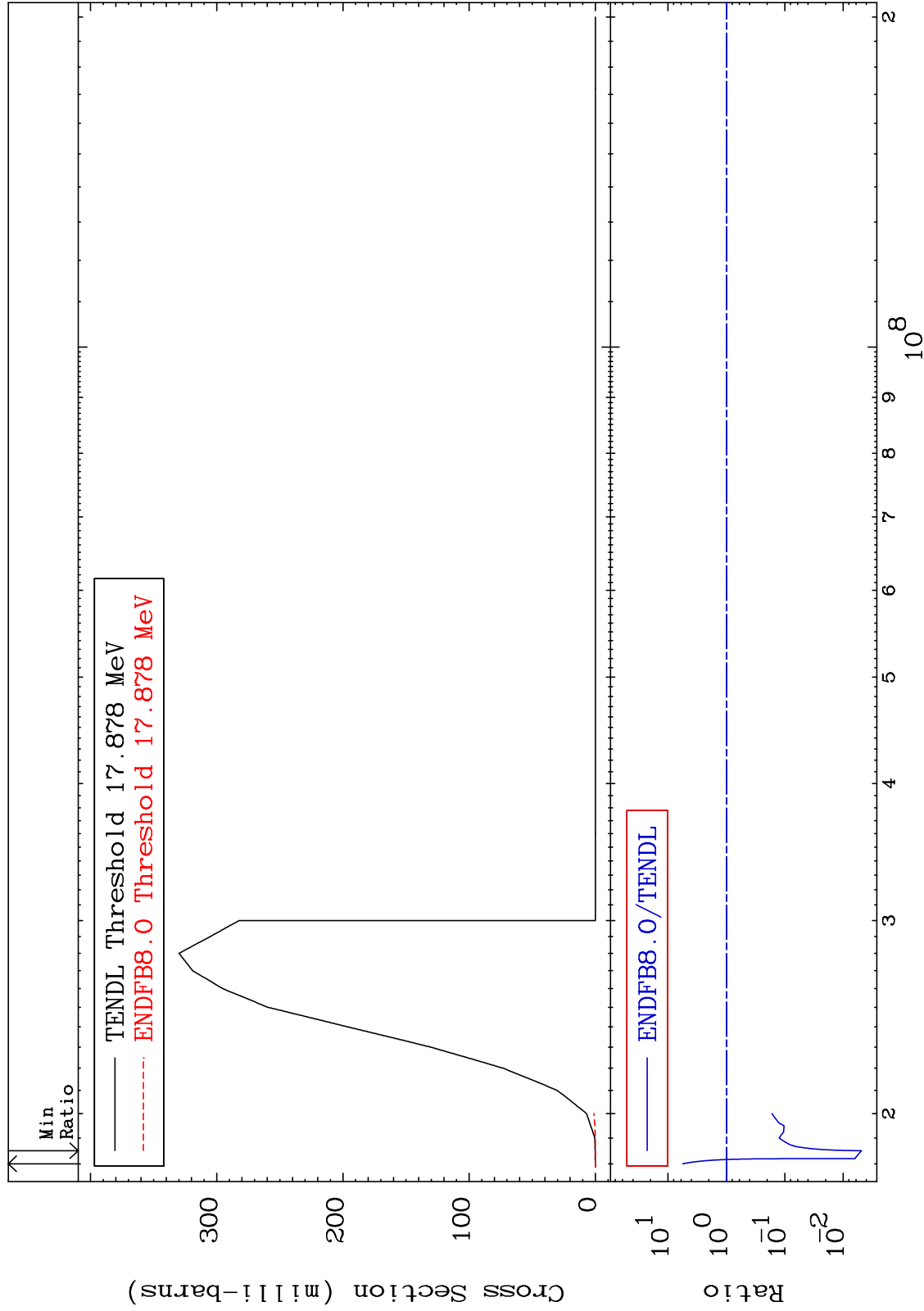
MAT 9349

(n, 4n)

93-Np-238

Cross Section

-99.52 To 457.0 %



10

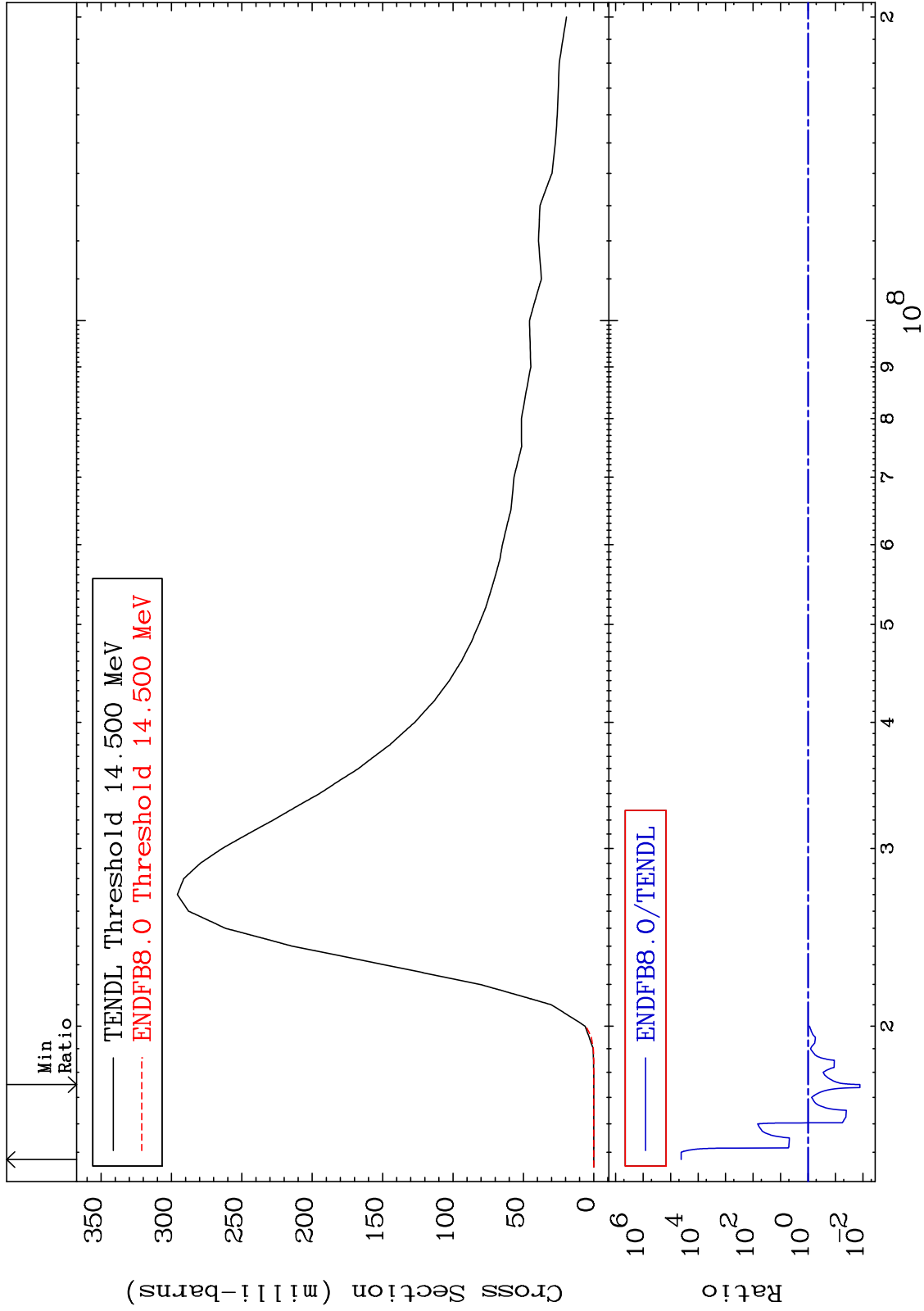
Incident Energy (eV)

93-Np-238

MAT 9349

(n,3nf) Fourth Chance  
Cross Section

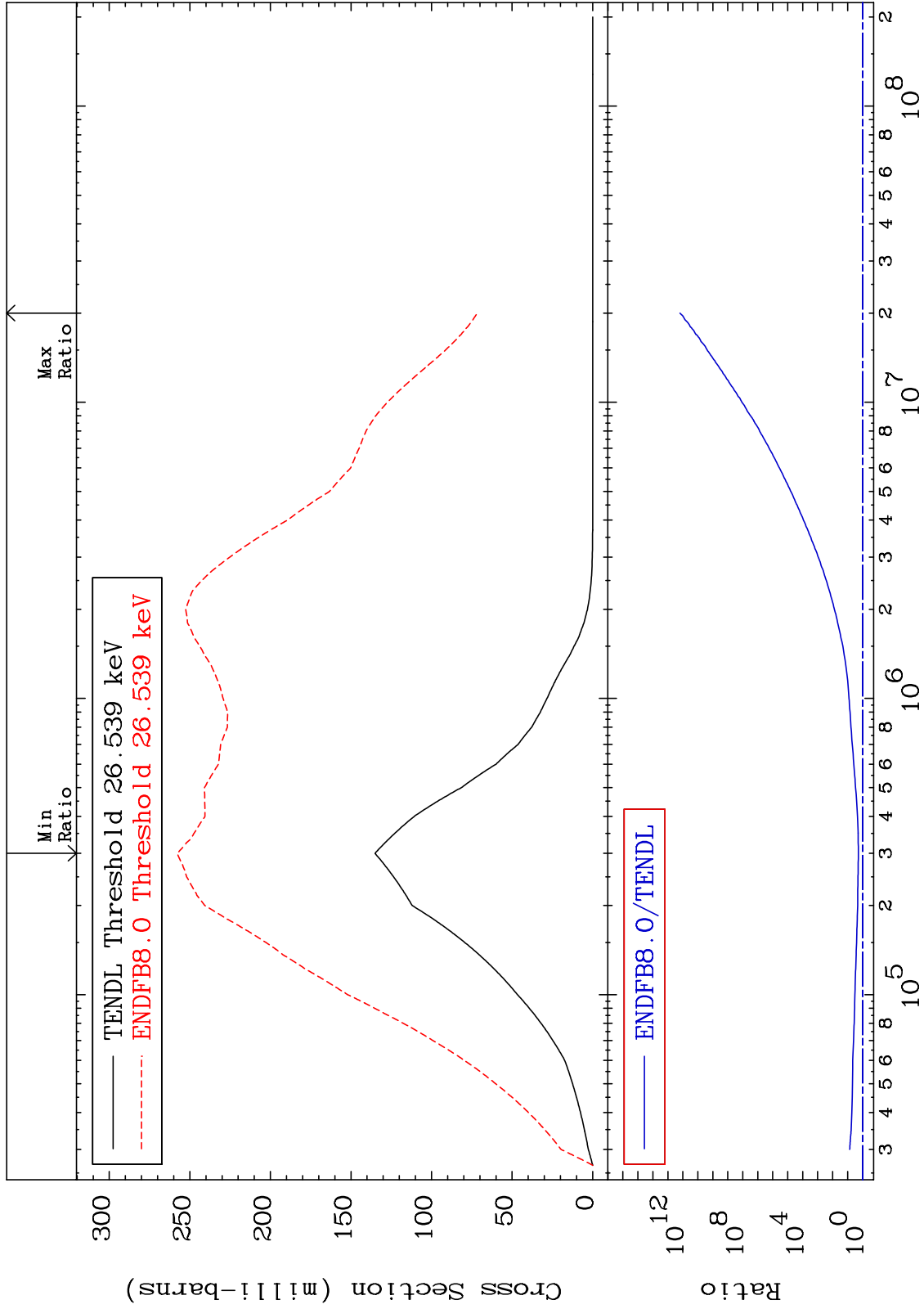
93-Np-238  
-98.71 To 9999. %



MAT 9349

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

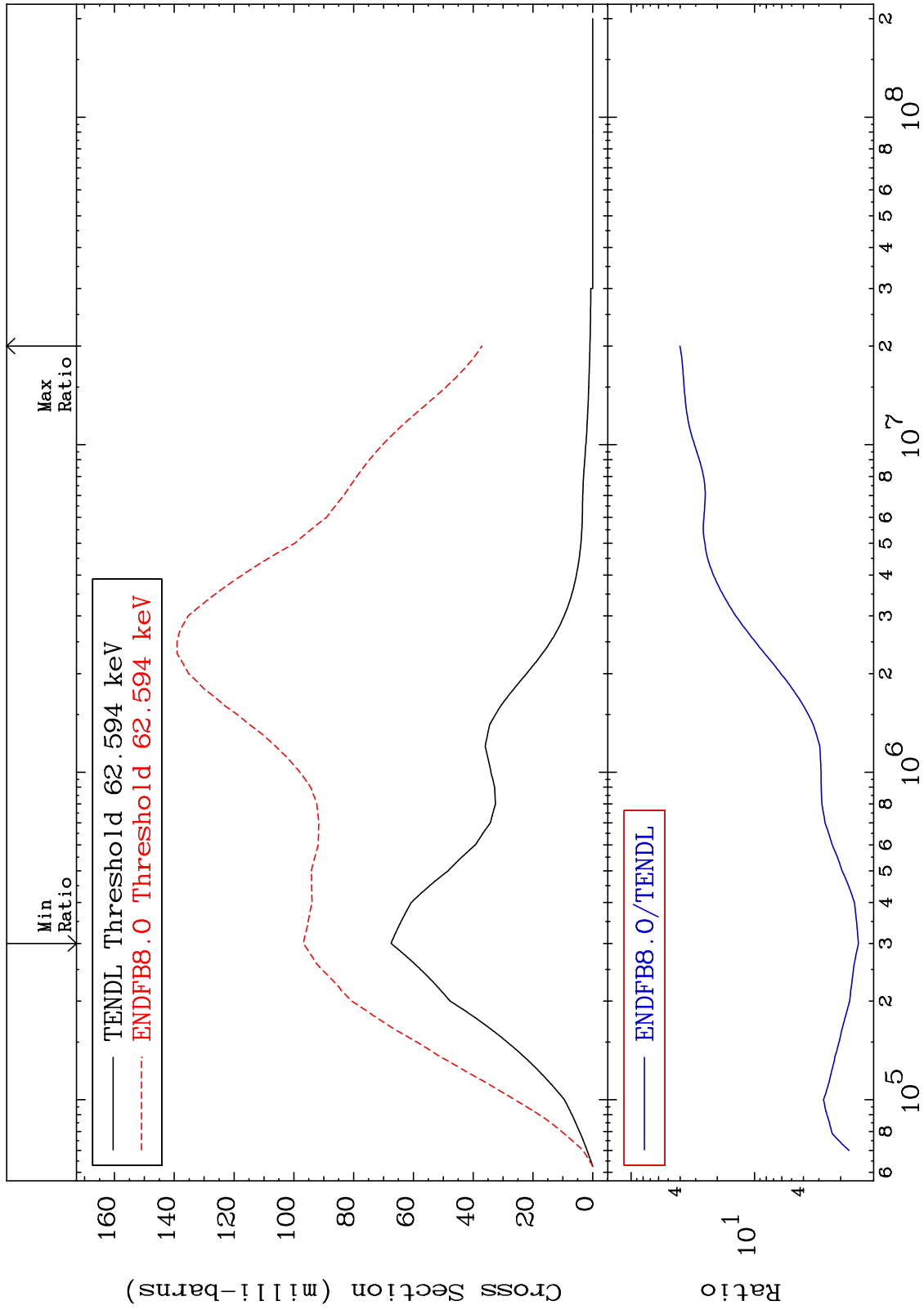
93-Np-238  
90.88 To 9999. %



MAT 9349

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

93-Np-238  
43.43 To 3914. %



13

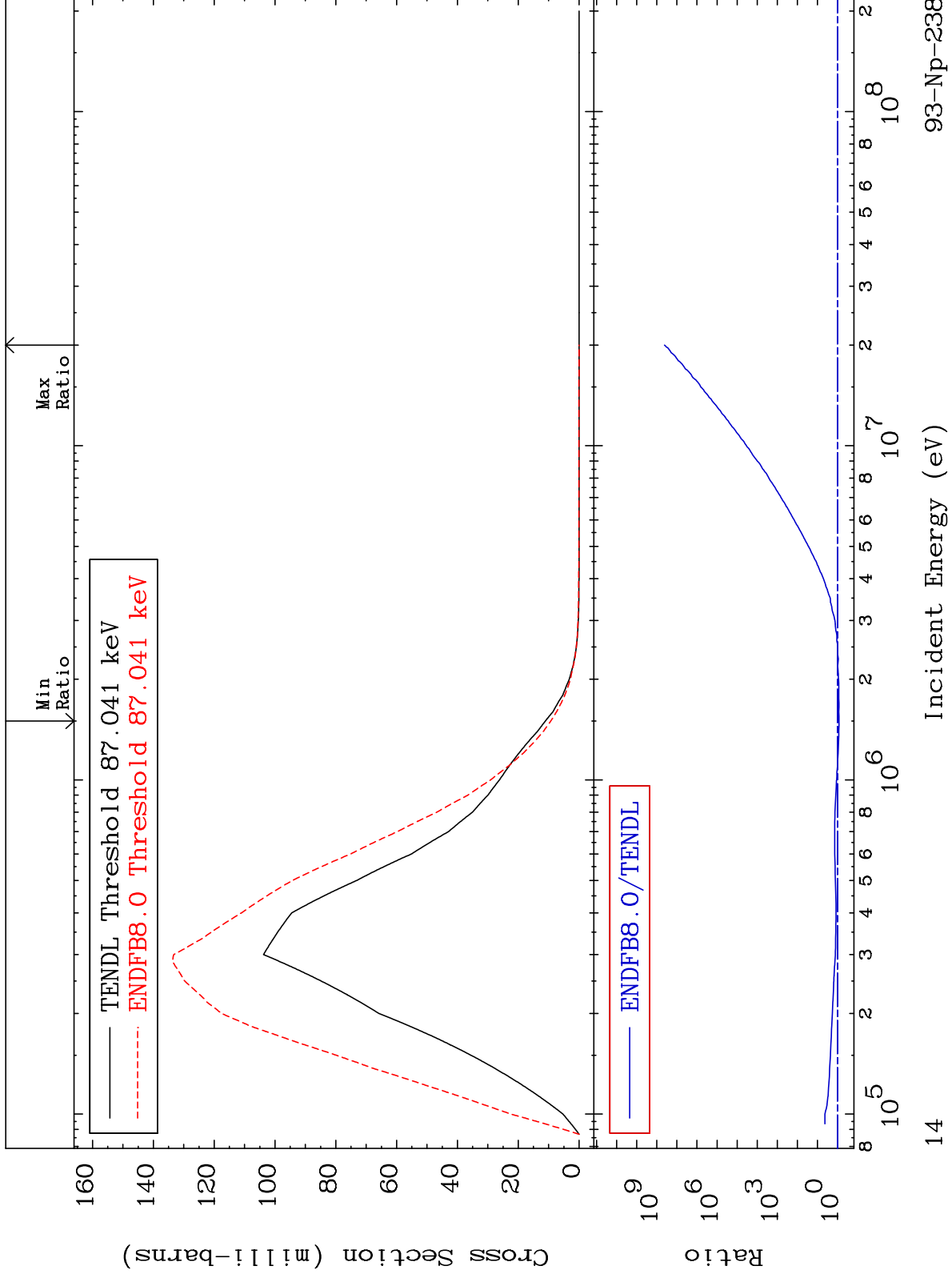
Incident Energy (eV)

93-Np-238

MAT 9349

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

93-Np-238  
-16.14 To 9999. %



93-Np-238

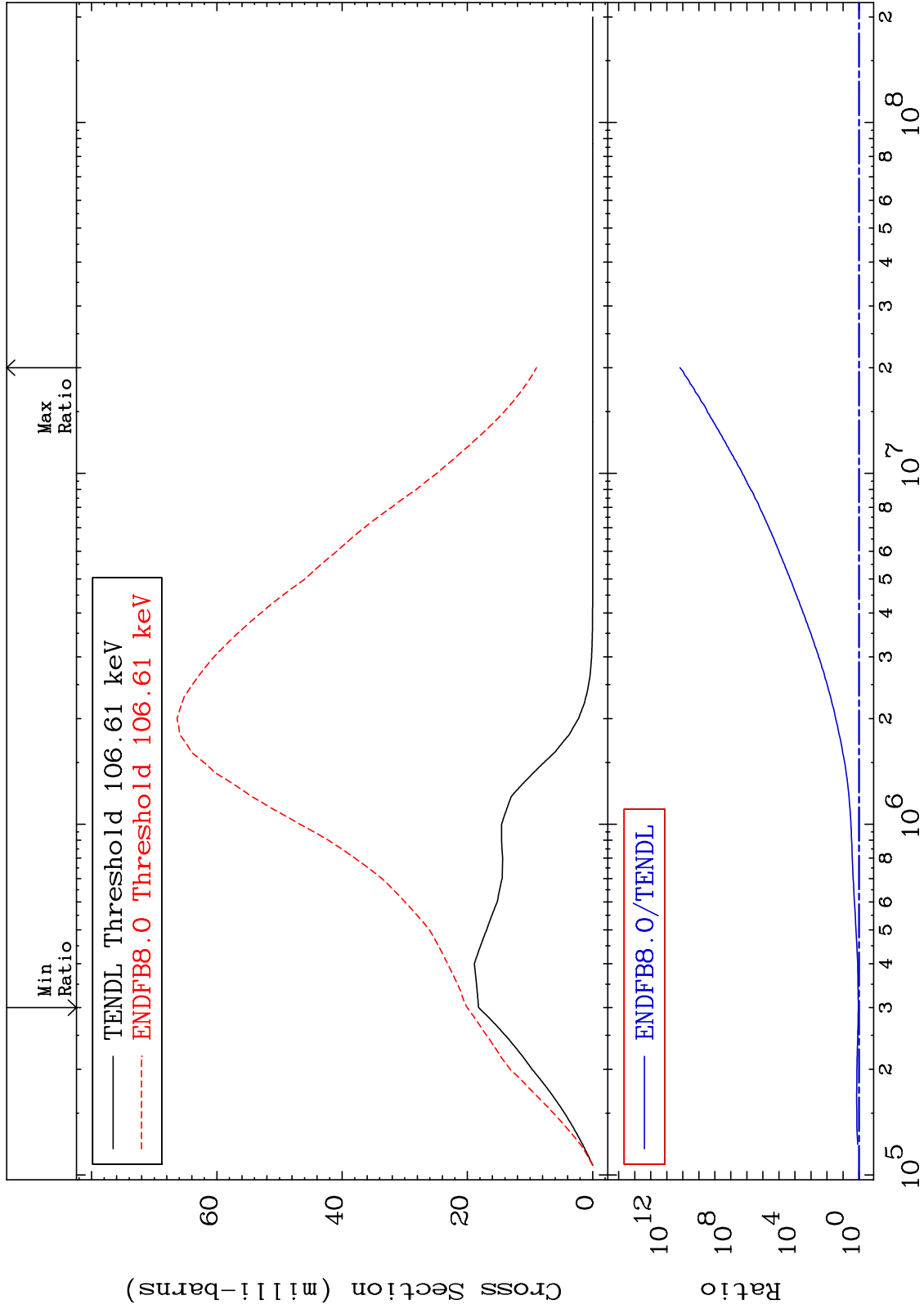
Incident Energy (eV)

14

MAT 9349

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

93-Np-238  
9.955 To 9999. %



93-Np-238

Incident Energy (eV)

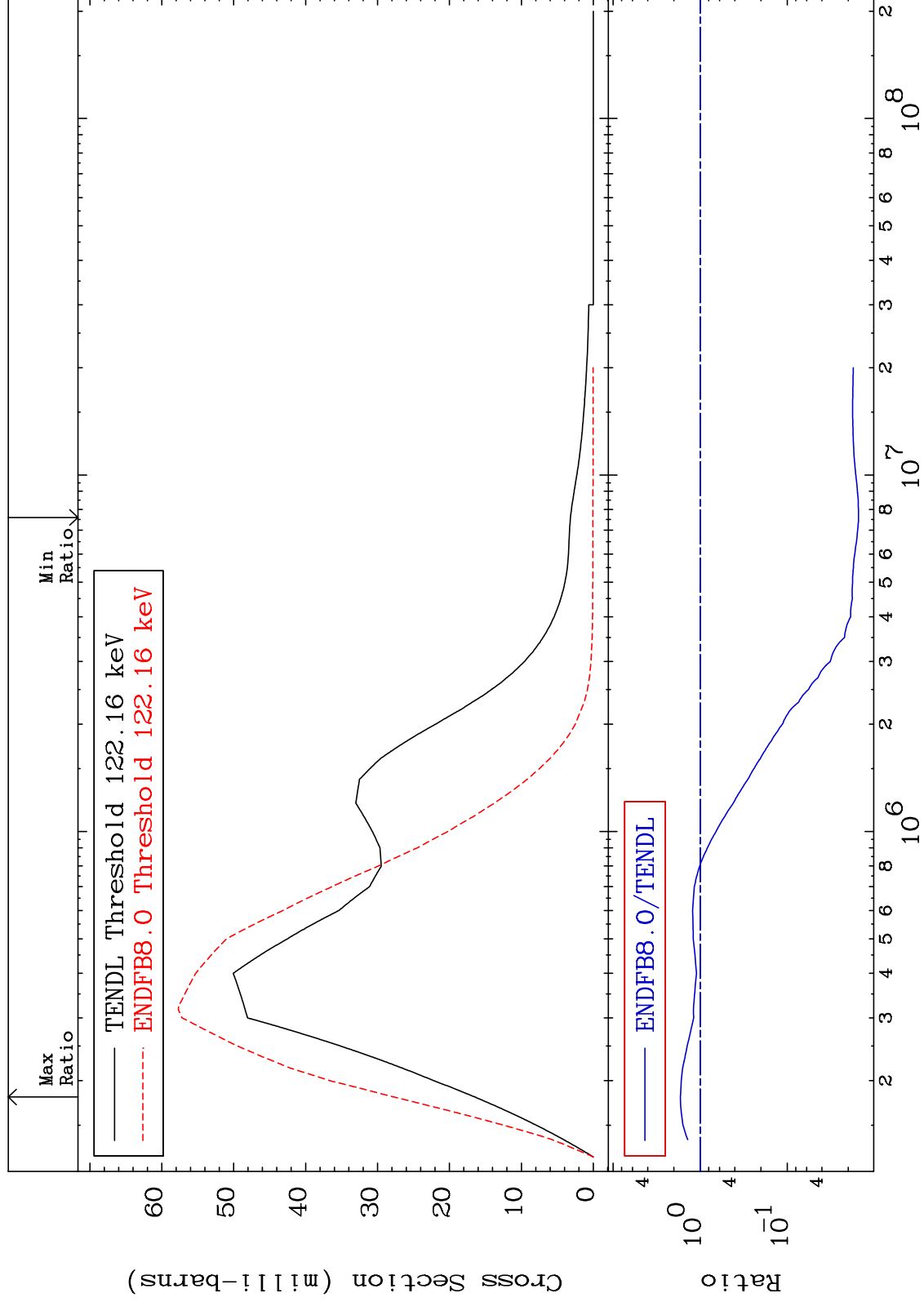
15



MAT 9349

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

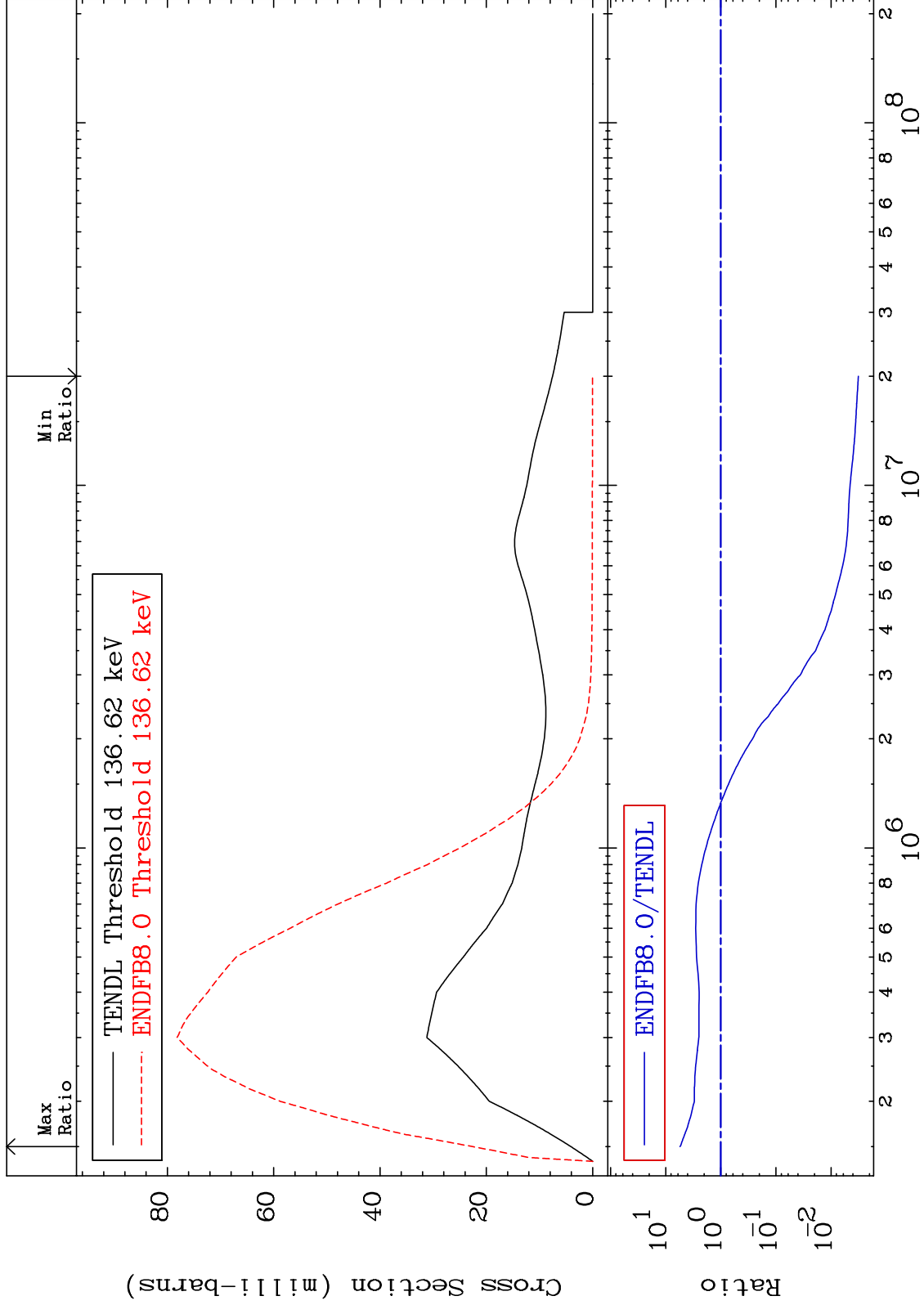
93-Np-238  
-98.48 To 68.37 %



MAT 9349

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

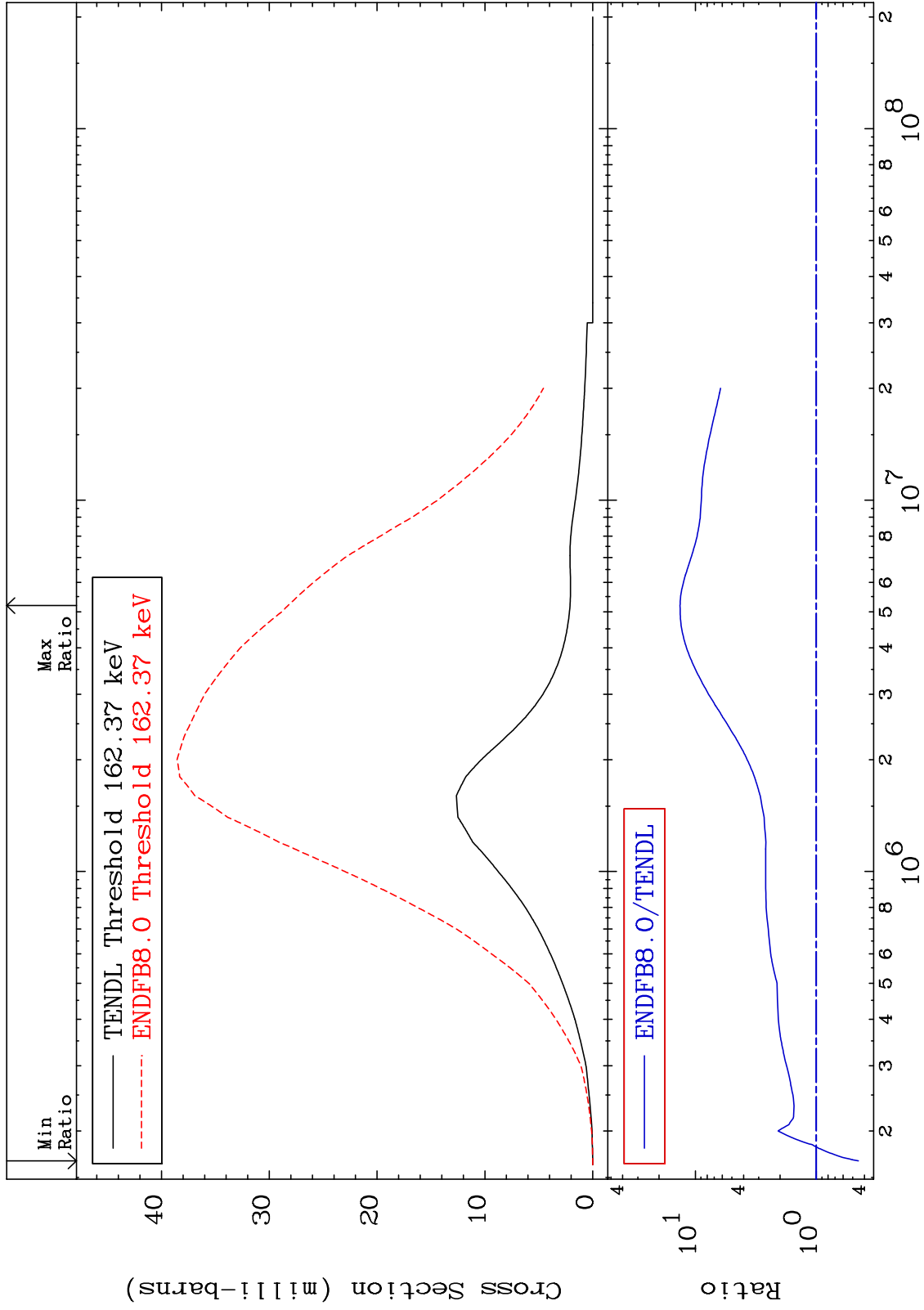
93-Np-238  
-99.68 To 449.8 %



MAT 9349

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

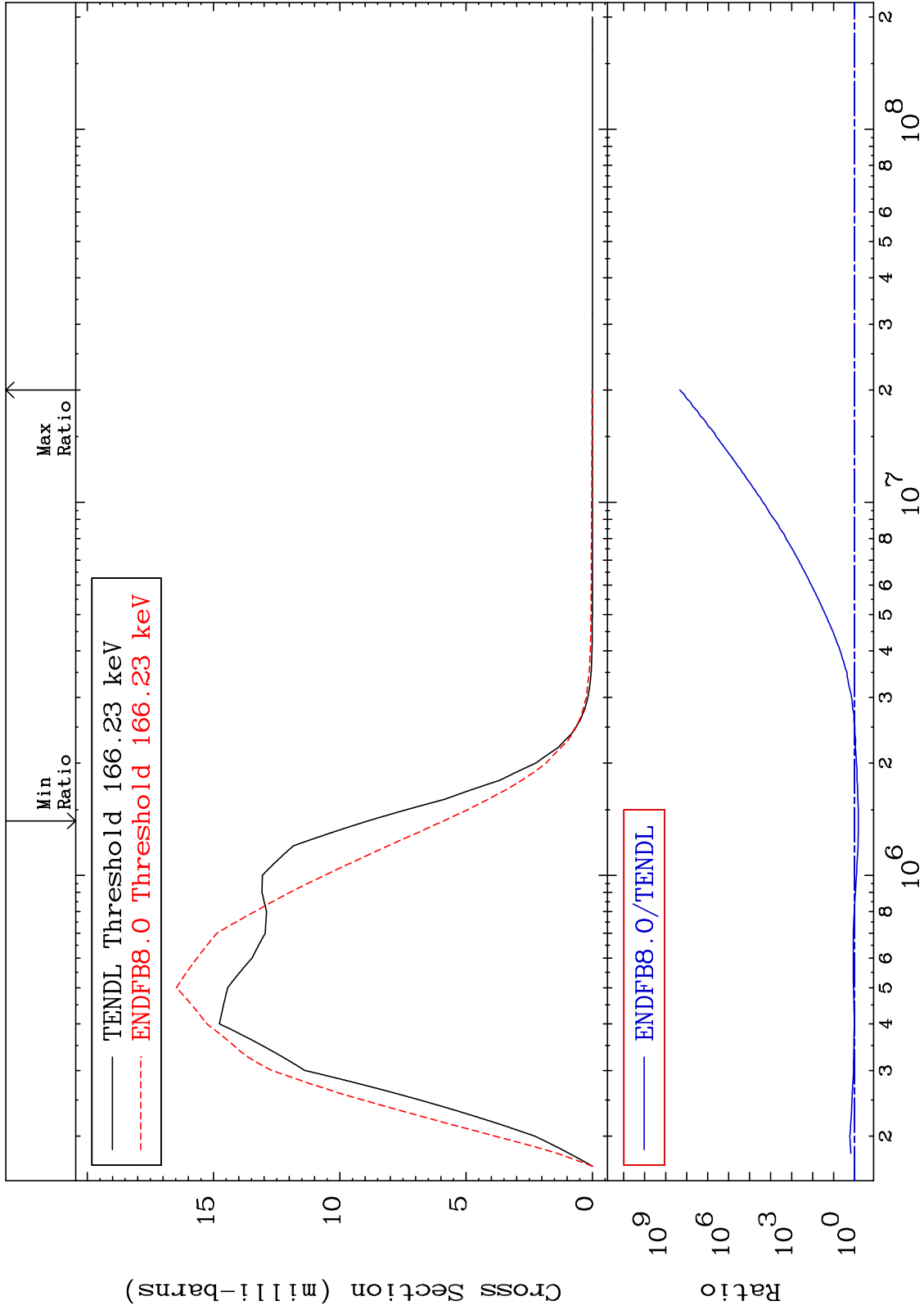
93-Np-238  
-55.11 To 1242. %



MAT 9349

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

93-Np-238  
-33.76 To 9999. %



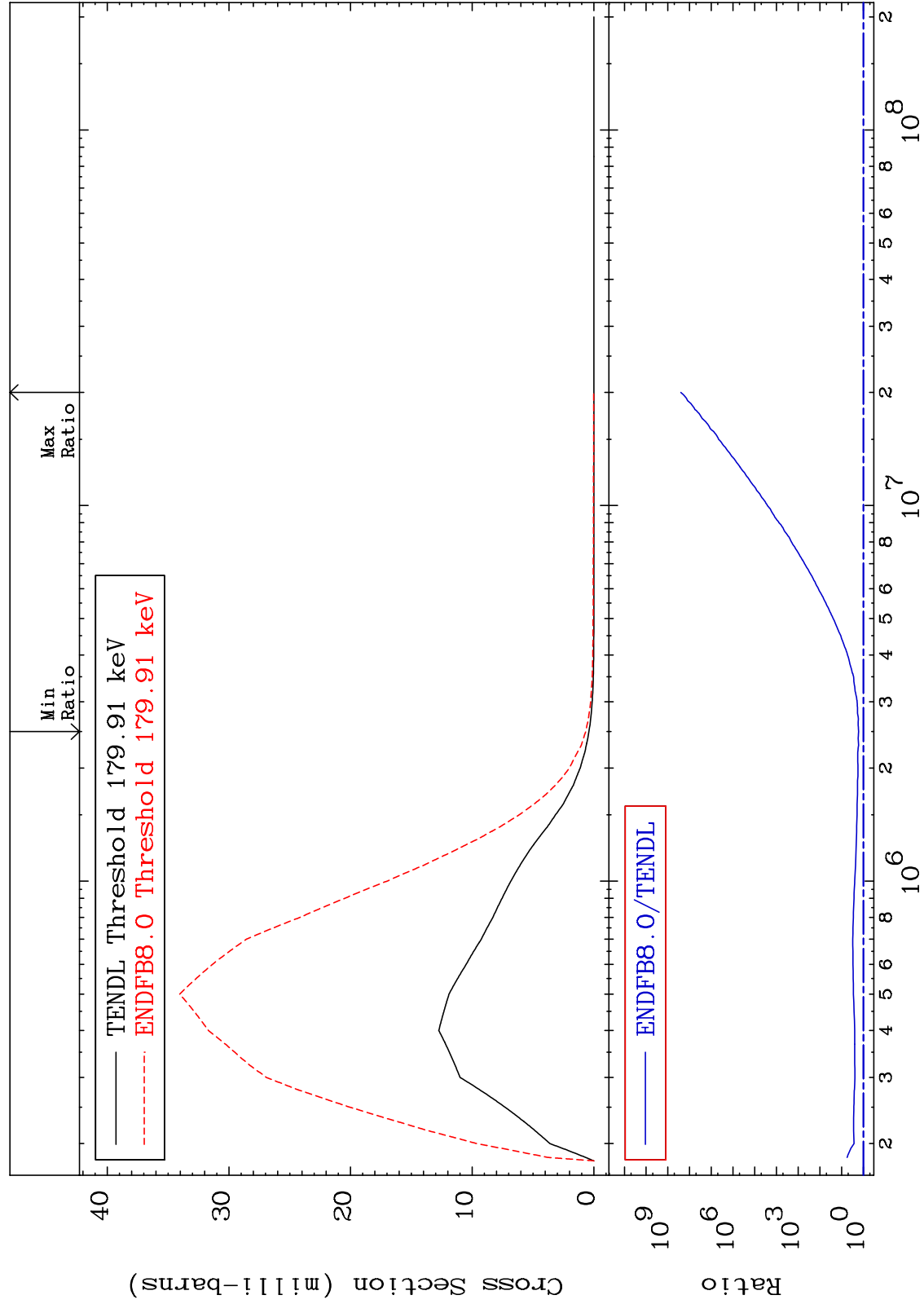
MAT 9349

MT= 59 (n,n') Level

93-Np-238

64.73 To 9999. %

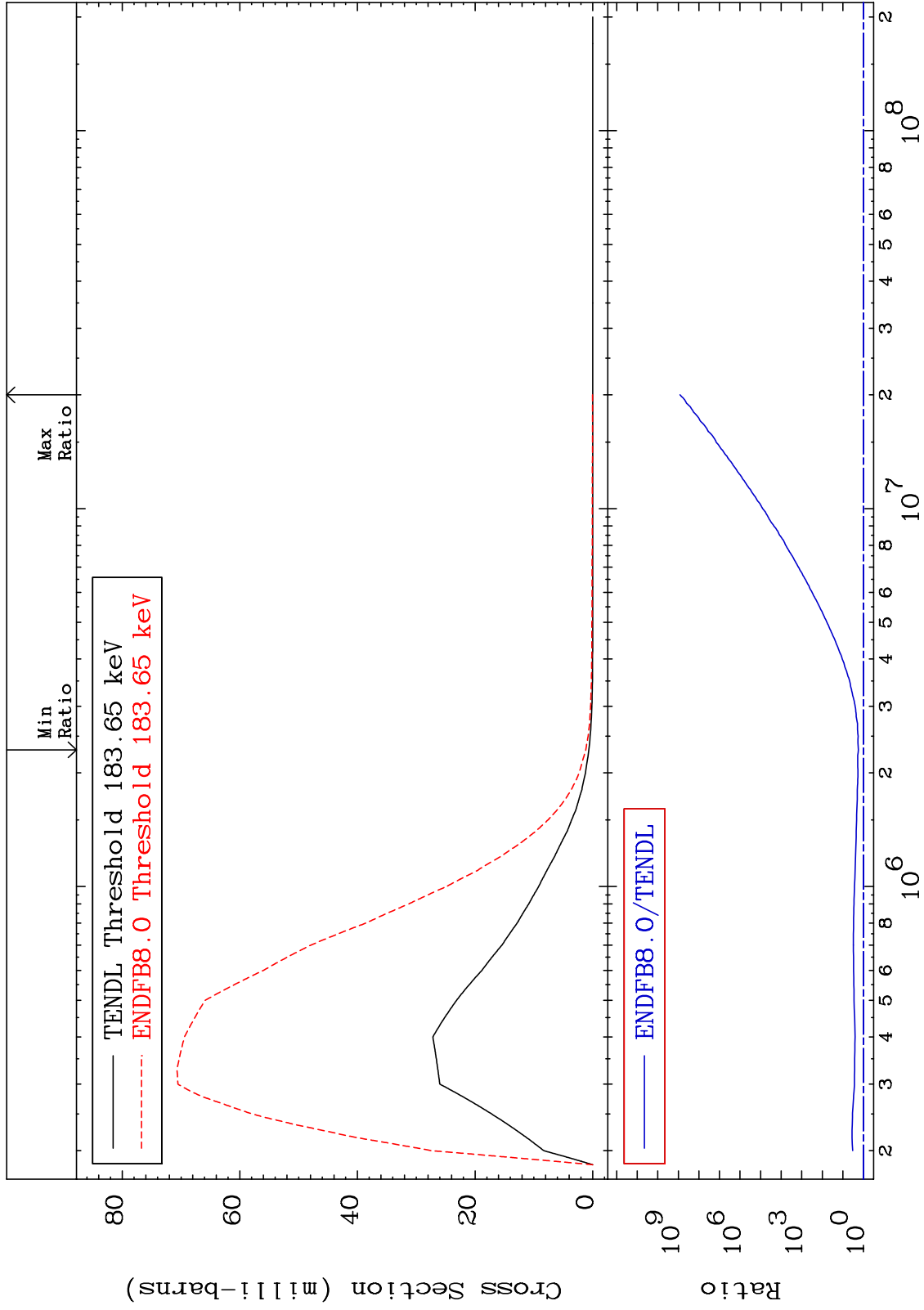
Cross Section



MAT 9349

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

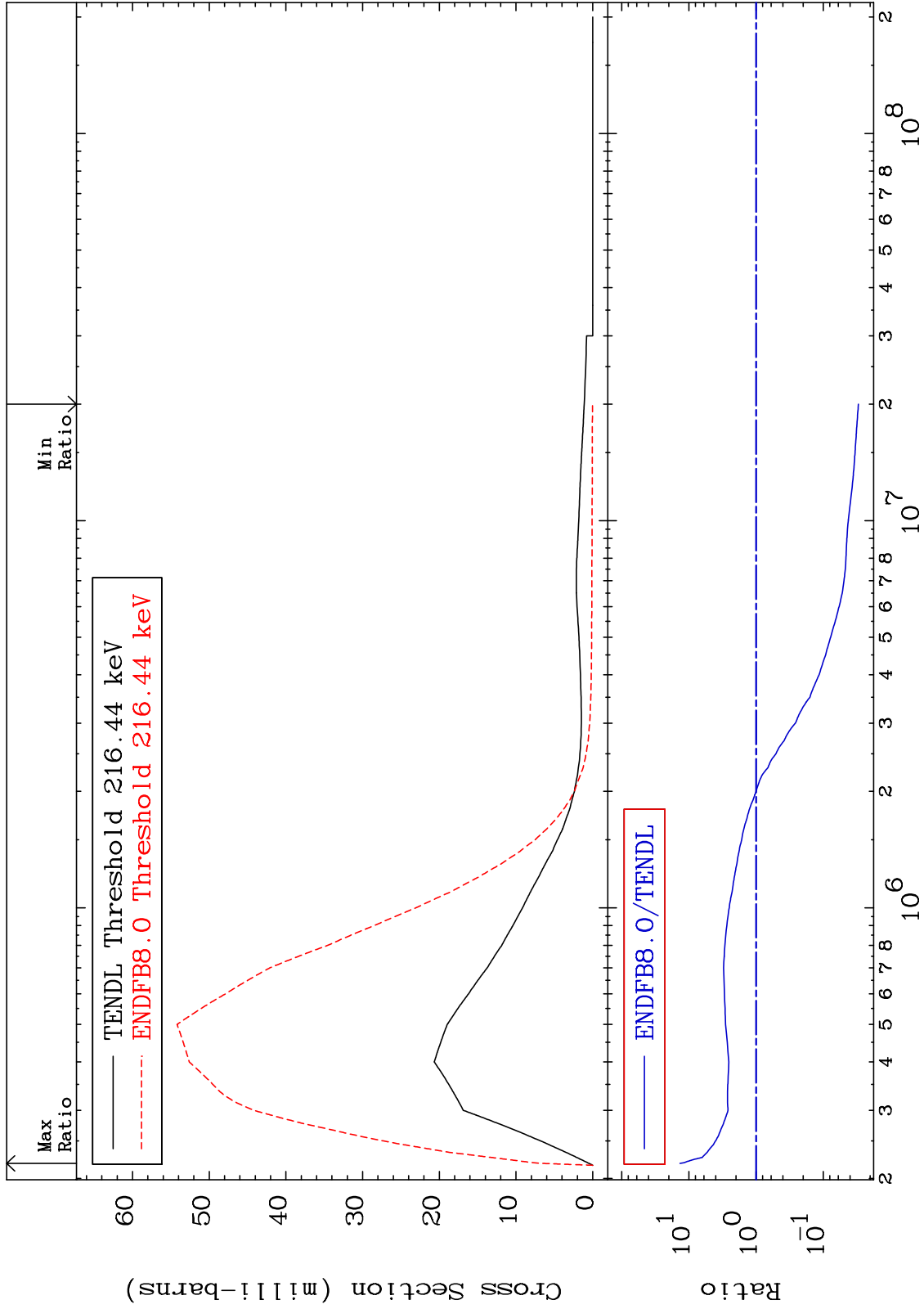
93-Np-238  
74.57 To 9999. %



MAT 9349

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

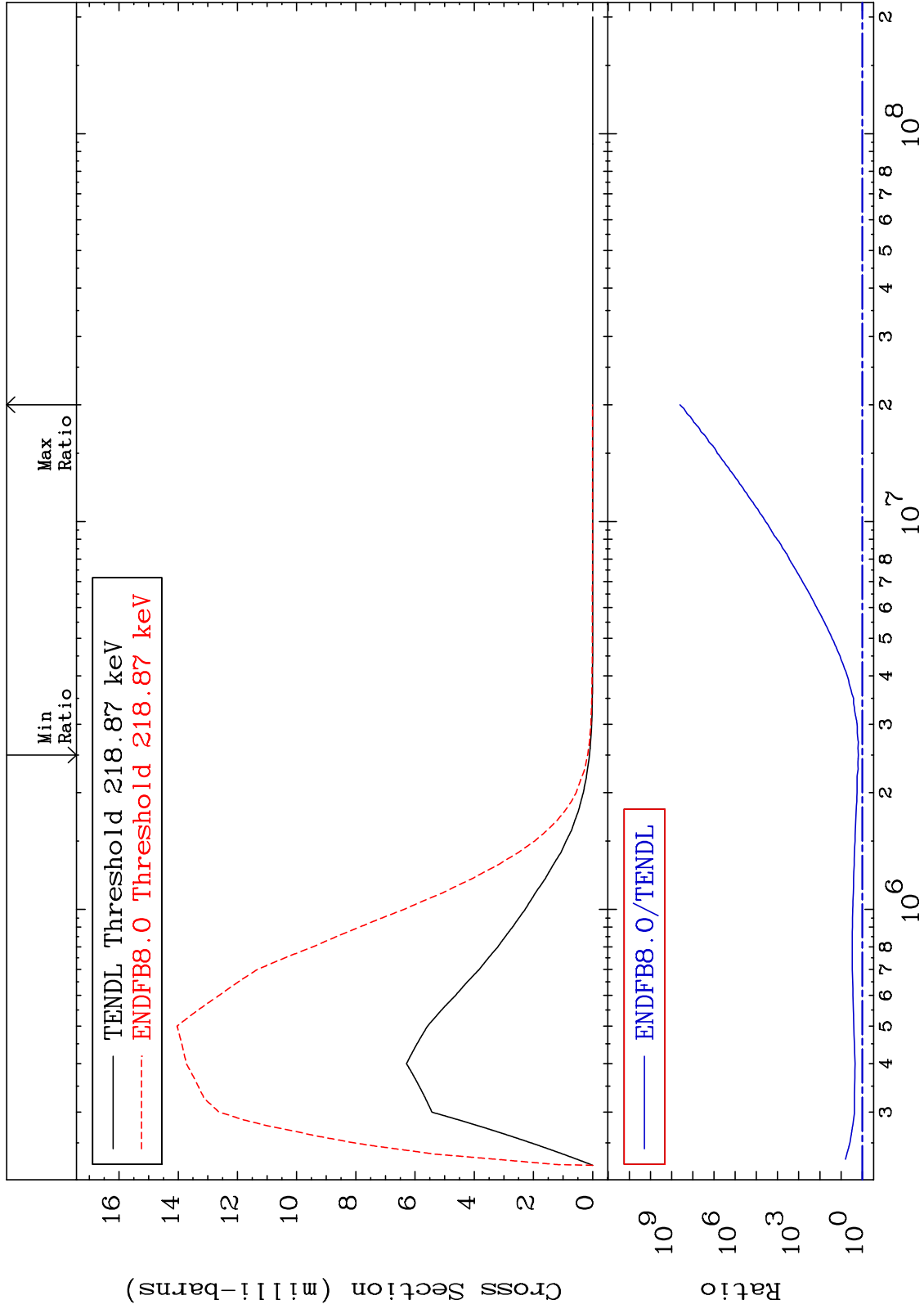
93-Np-238  
-97.00 To 1258. %



MAT 9349

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

93-Np-238  
51.19 To 9999. %

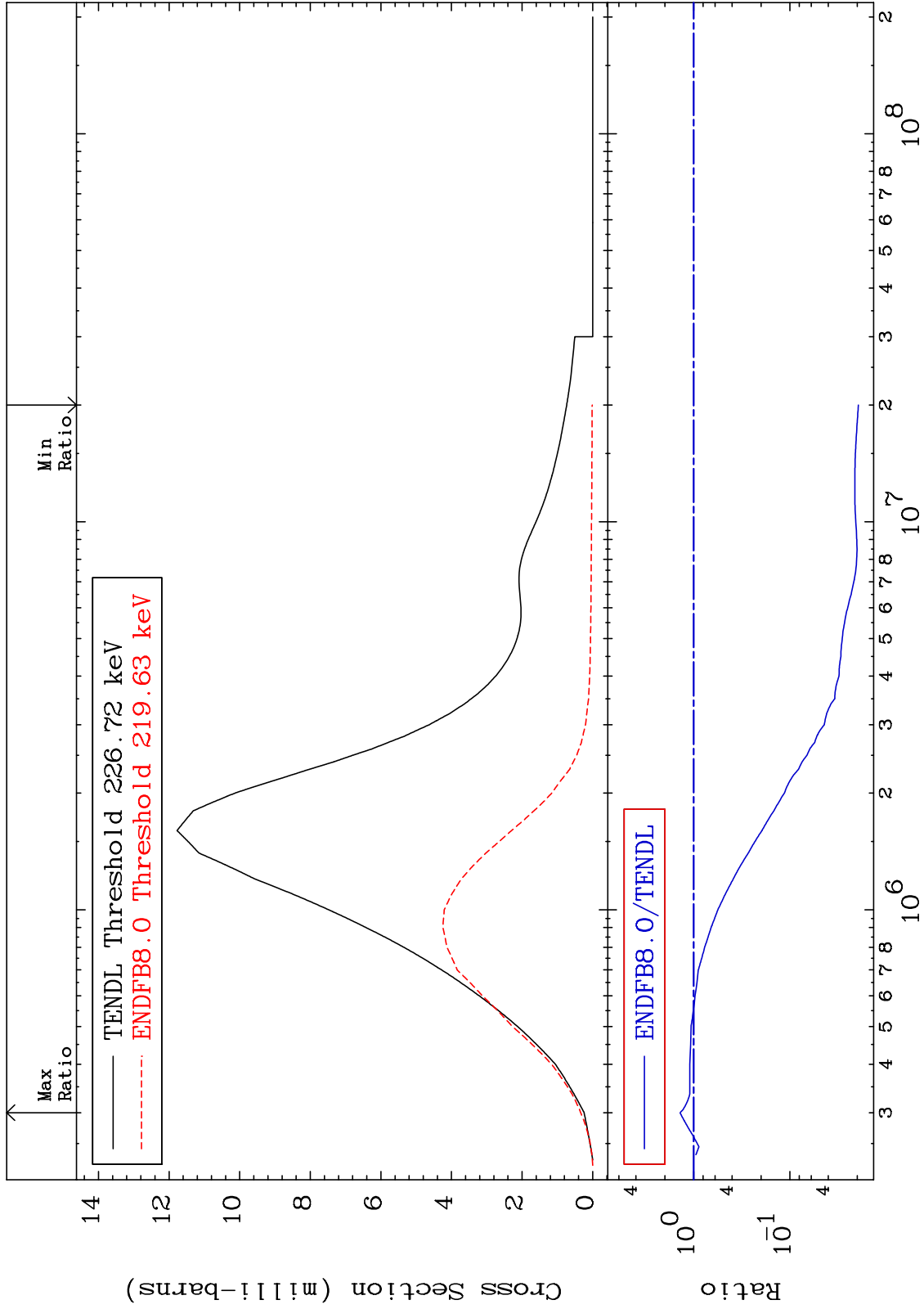




MAT 9349

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

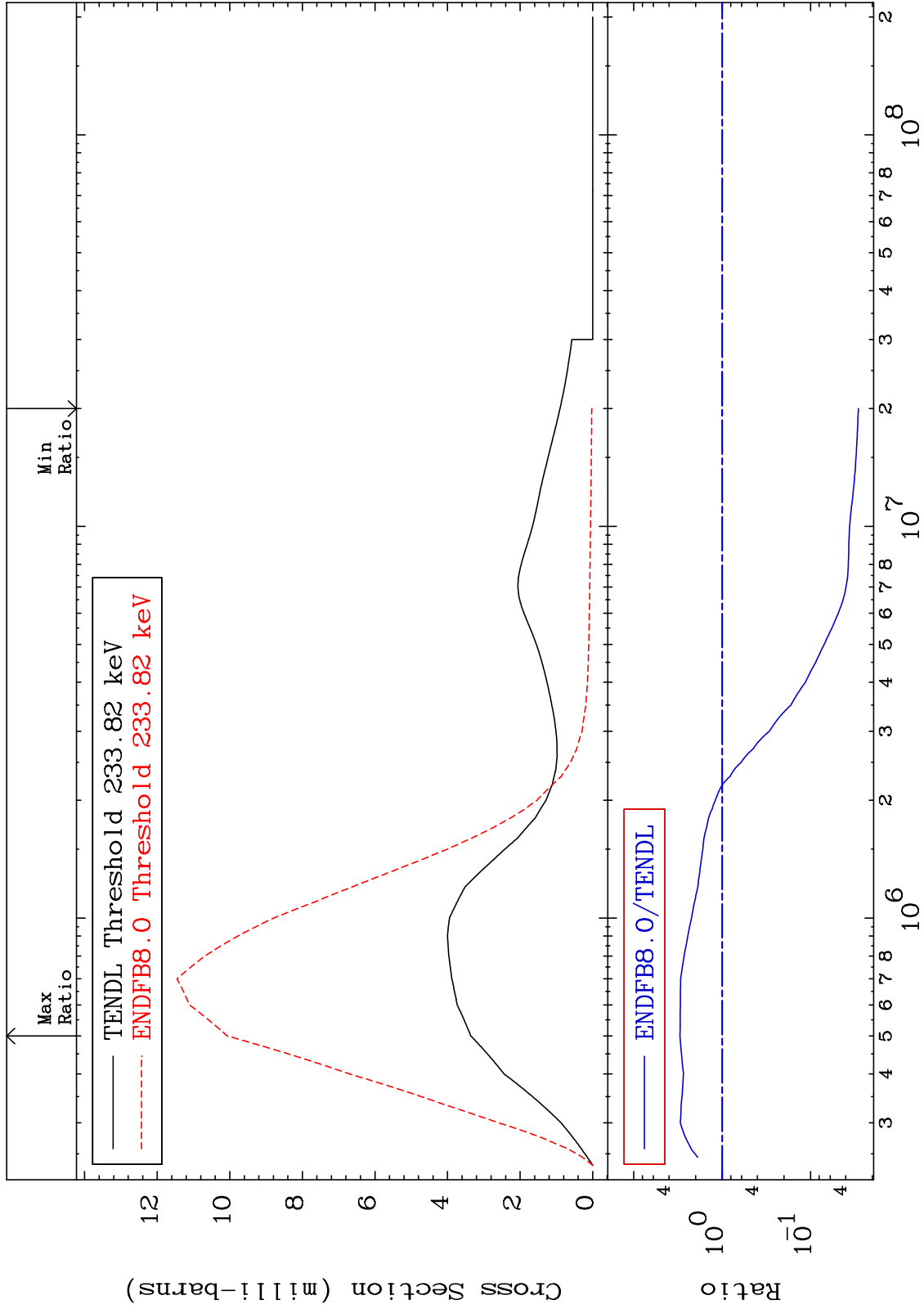
93-Np-238  
-98.06 To 39.05 %



MAT 9349

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

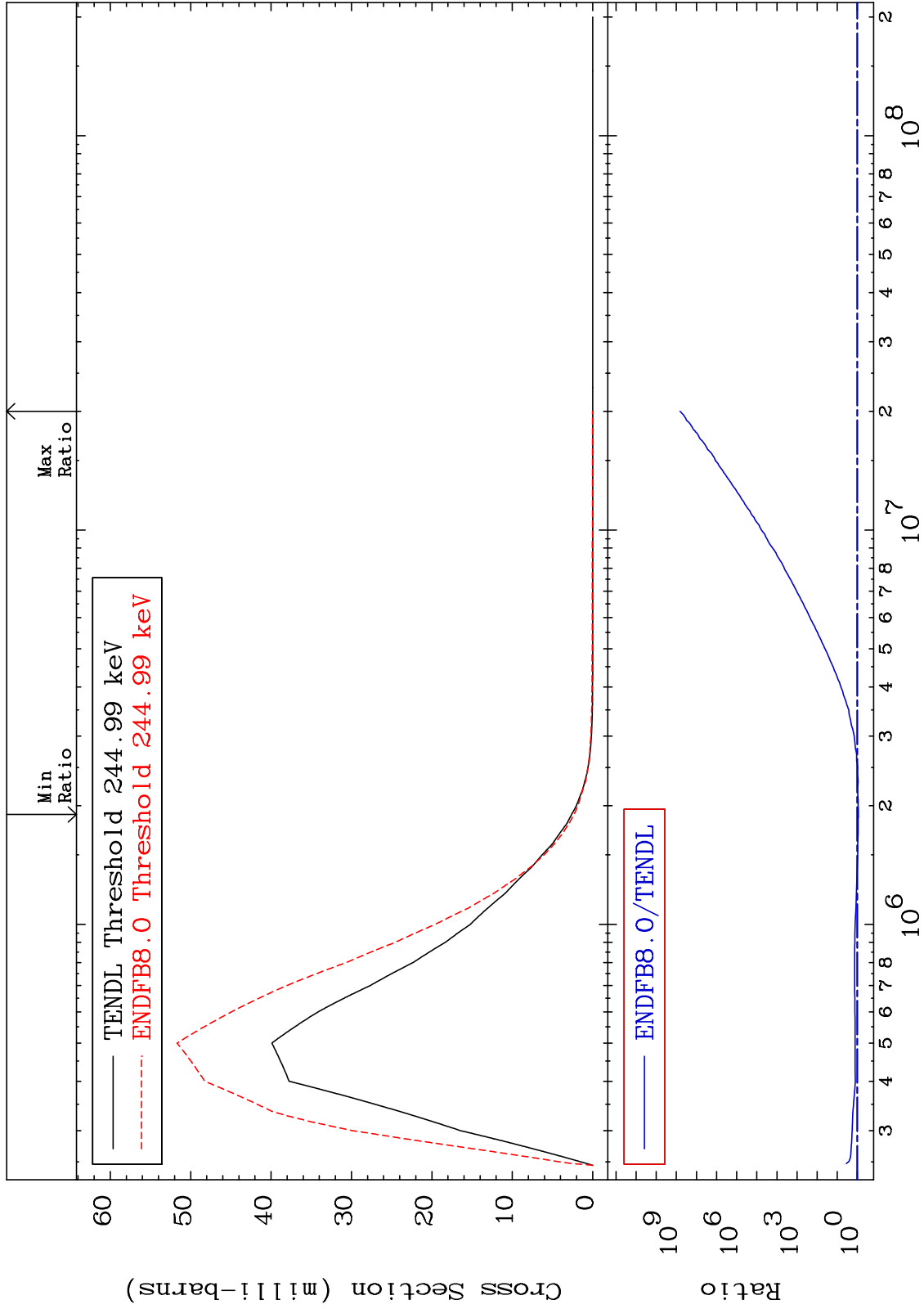
93-Np-238  
-97.13 To 199.9 %



MAT 9349

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

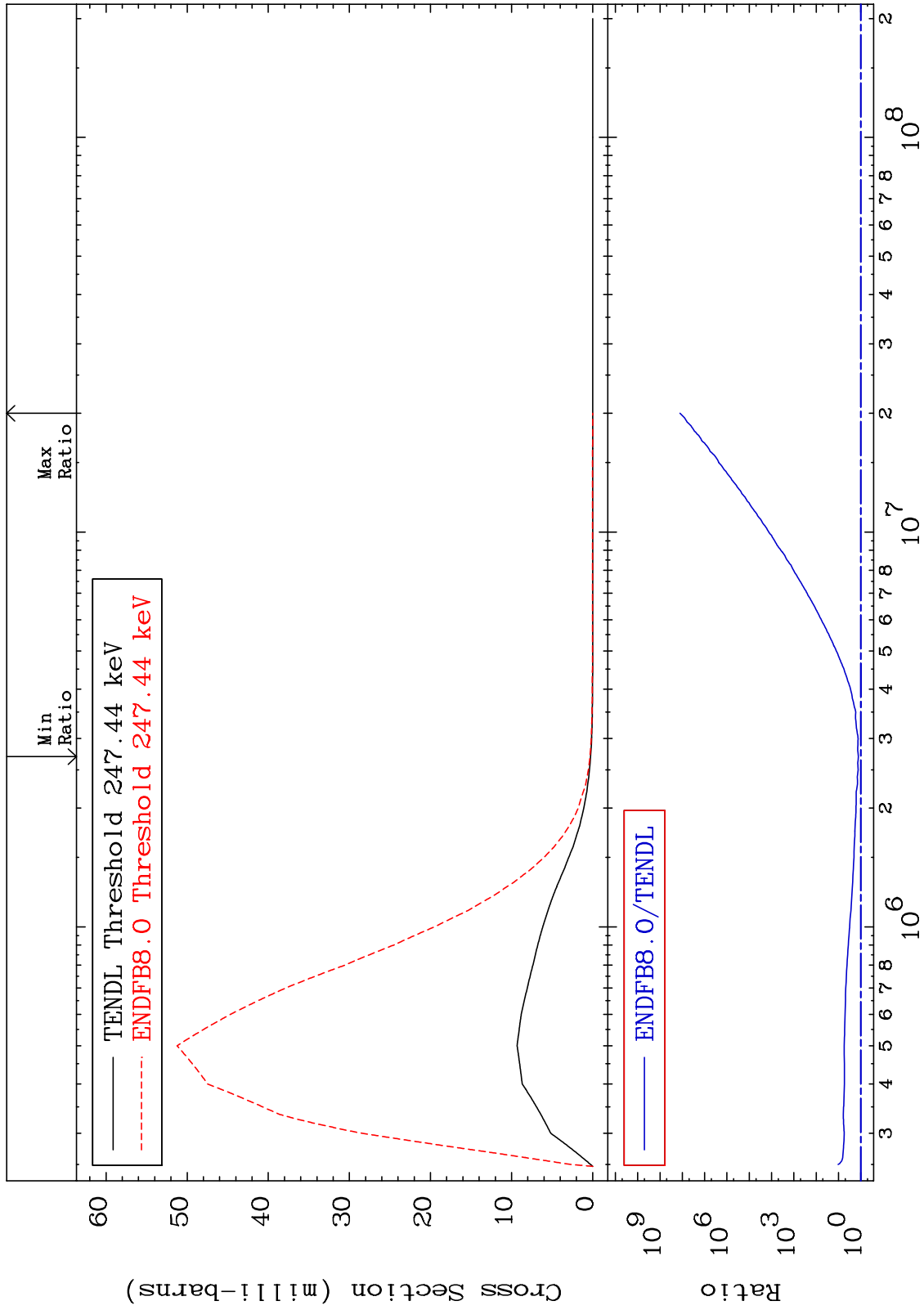
93-Np-238  
-11.31 To 9999. %



MAT 9349

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

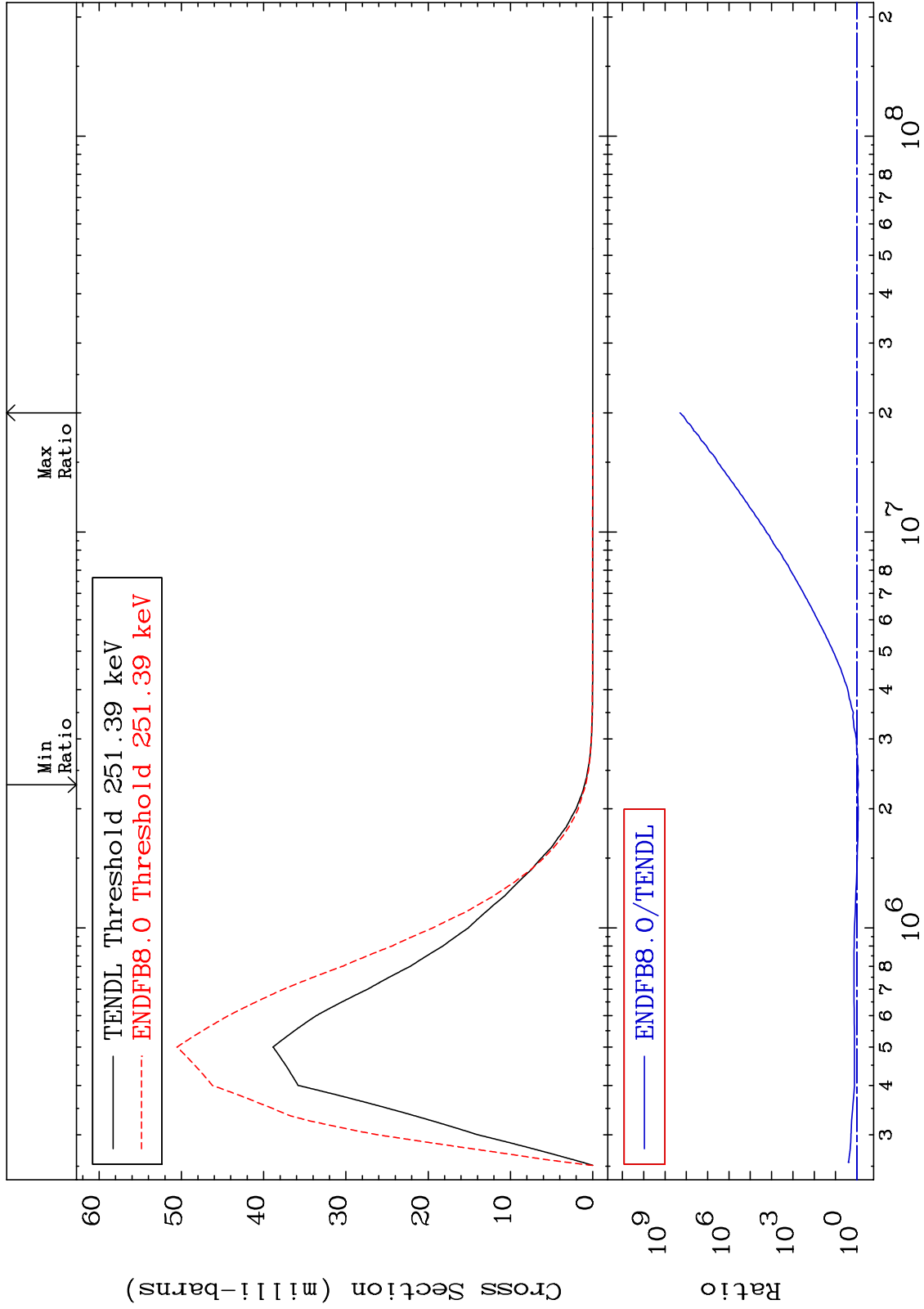
93-Np-238  
27.79 To 9999. %



MAT 9349

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

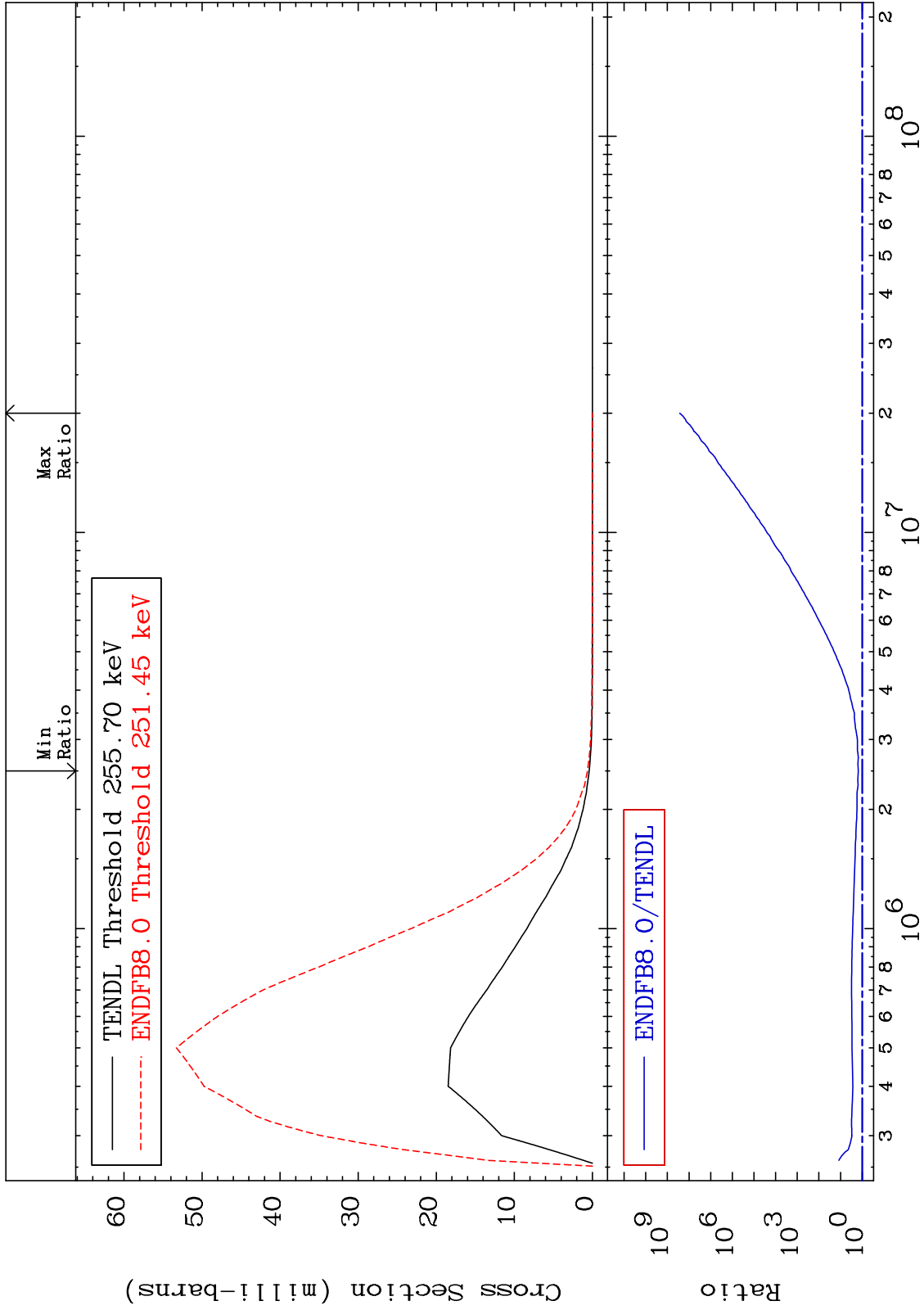
93-Np-238  
-15.63 To 9999. %



MAT 9349

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

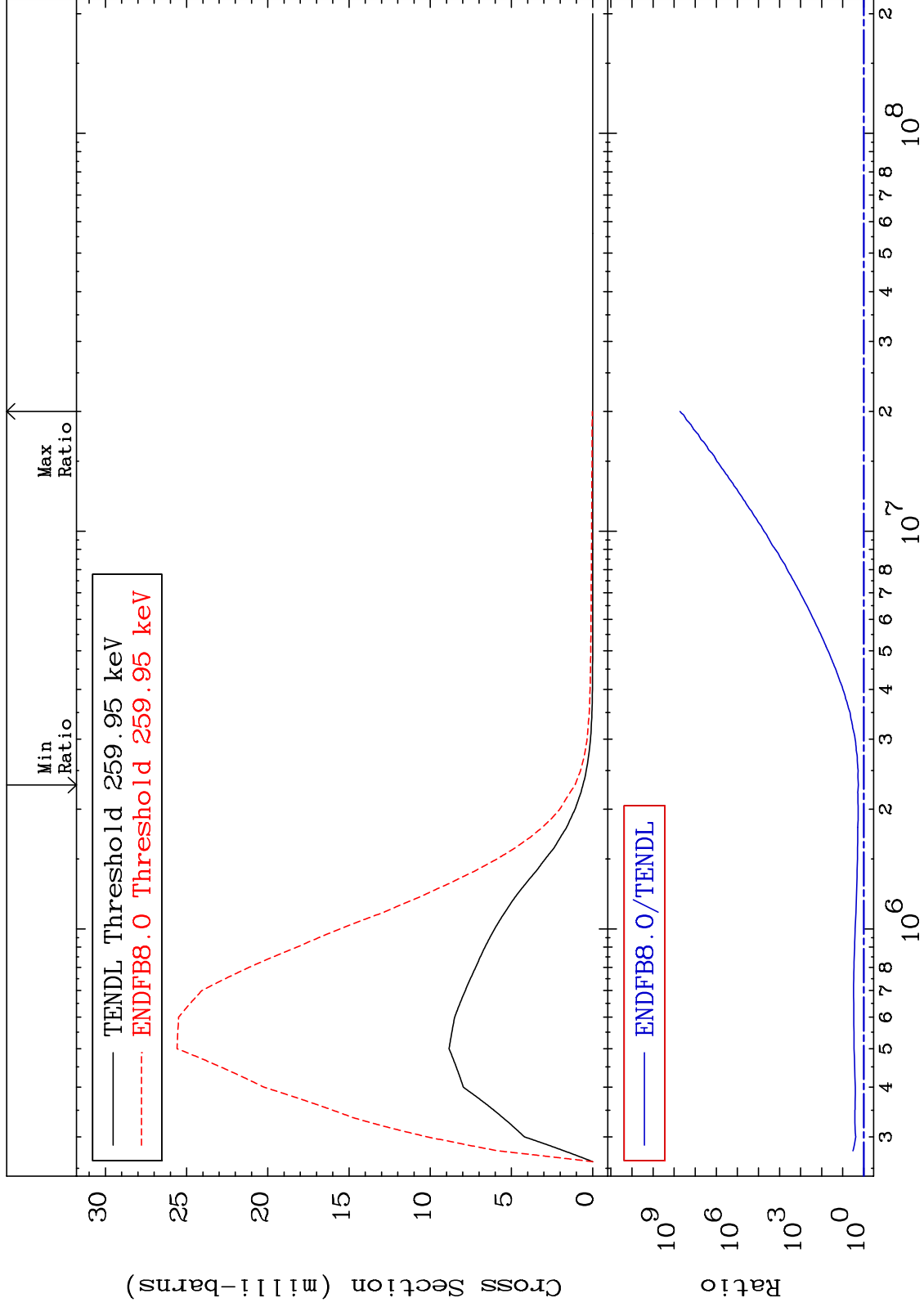
93-Np-238  
50.37 To 9999. %



MAT 9349

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

93-Np-238  
80.73 To 9999. %



30

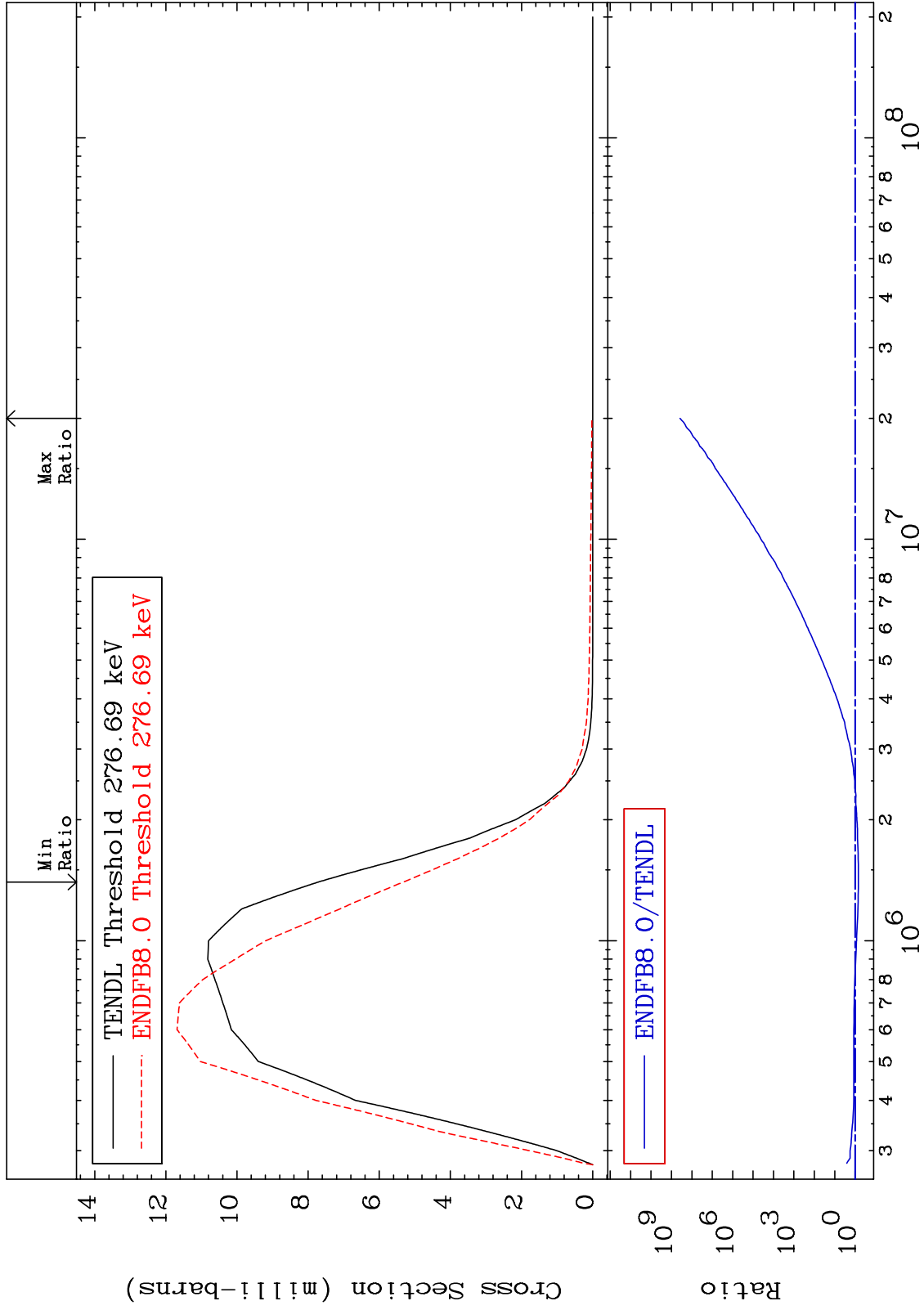
Incident Energy (eV)

93-Np-238

MAT 9349

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

93-Np-238  
-31.05 To 9999. %

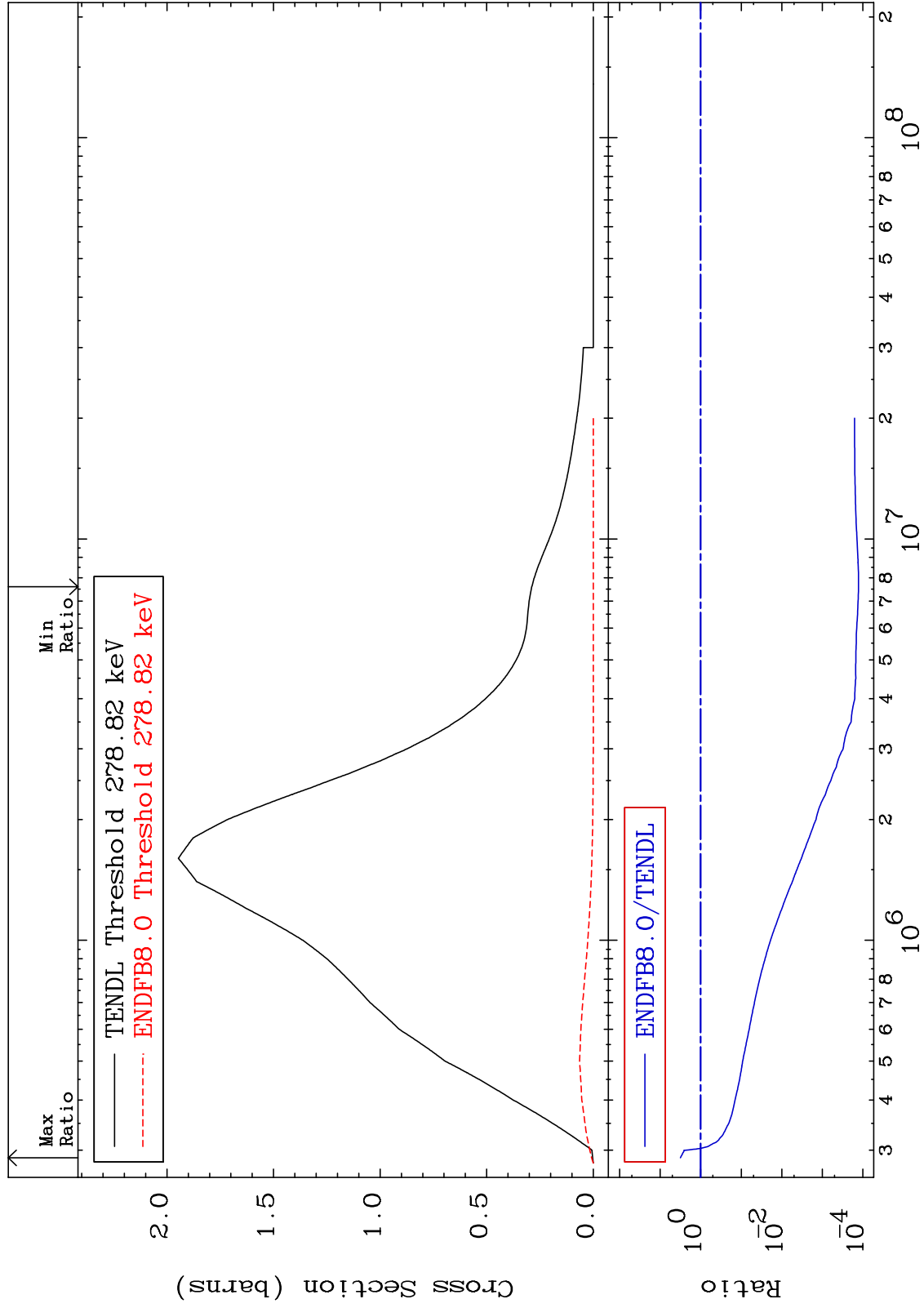




MAT 9349

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

93-Np-238  
-99.99 To 215.6 %



32

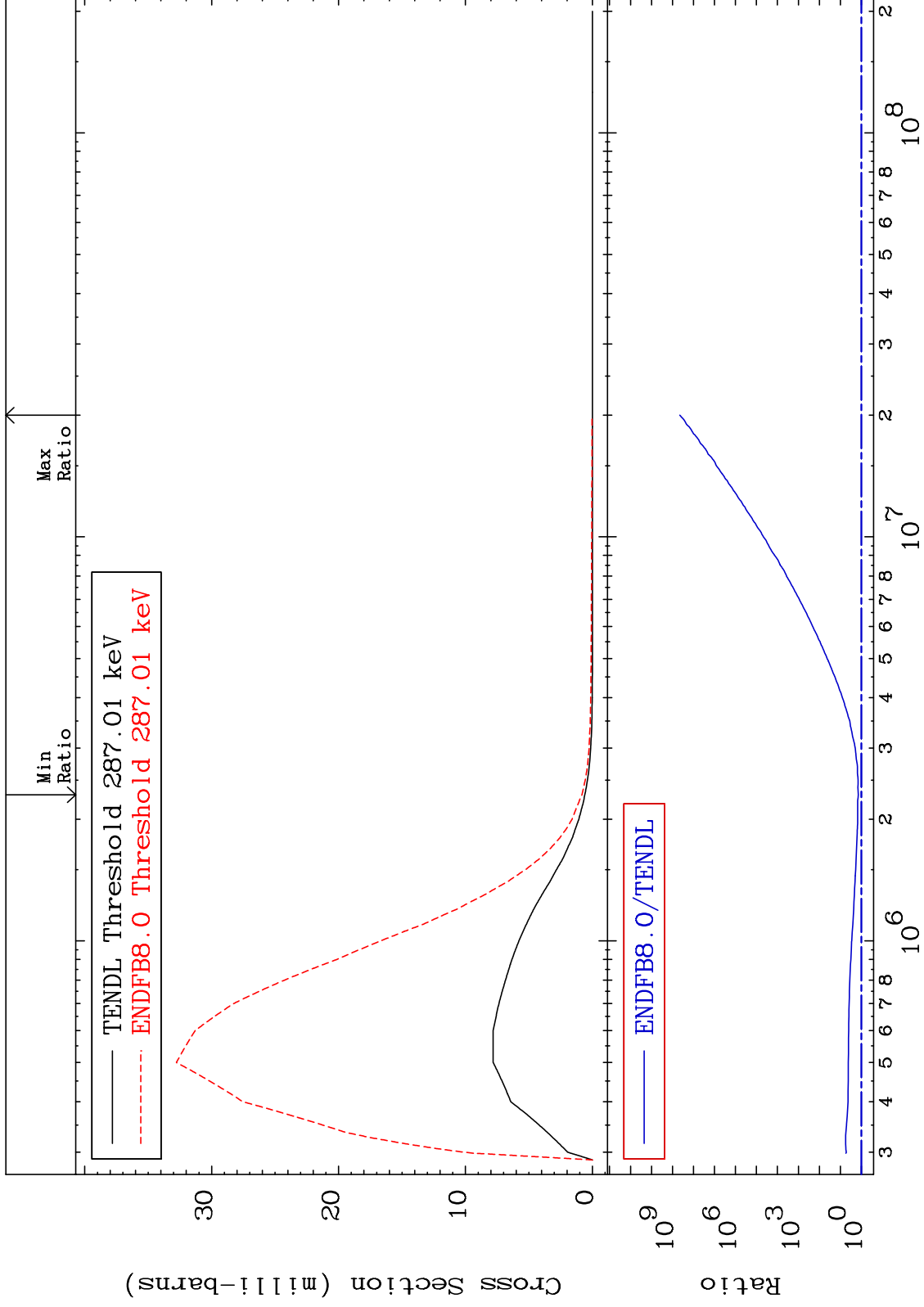
Incident Energy (eV)

93-Np-238

MAT 9349

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

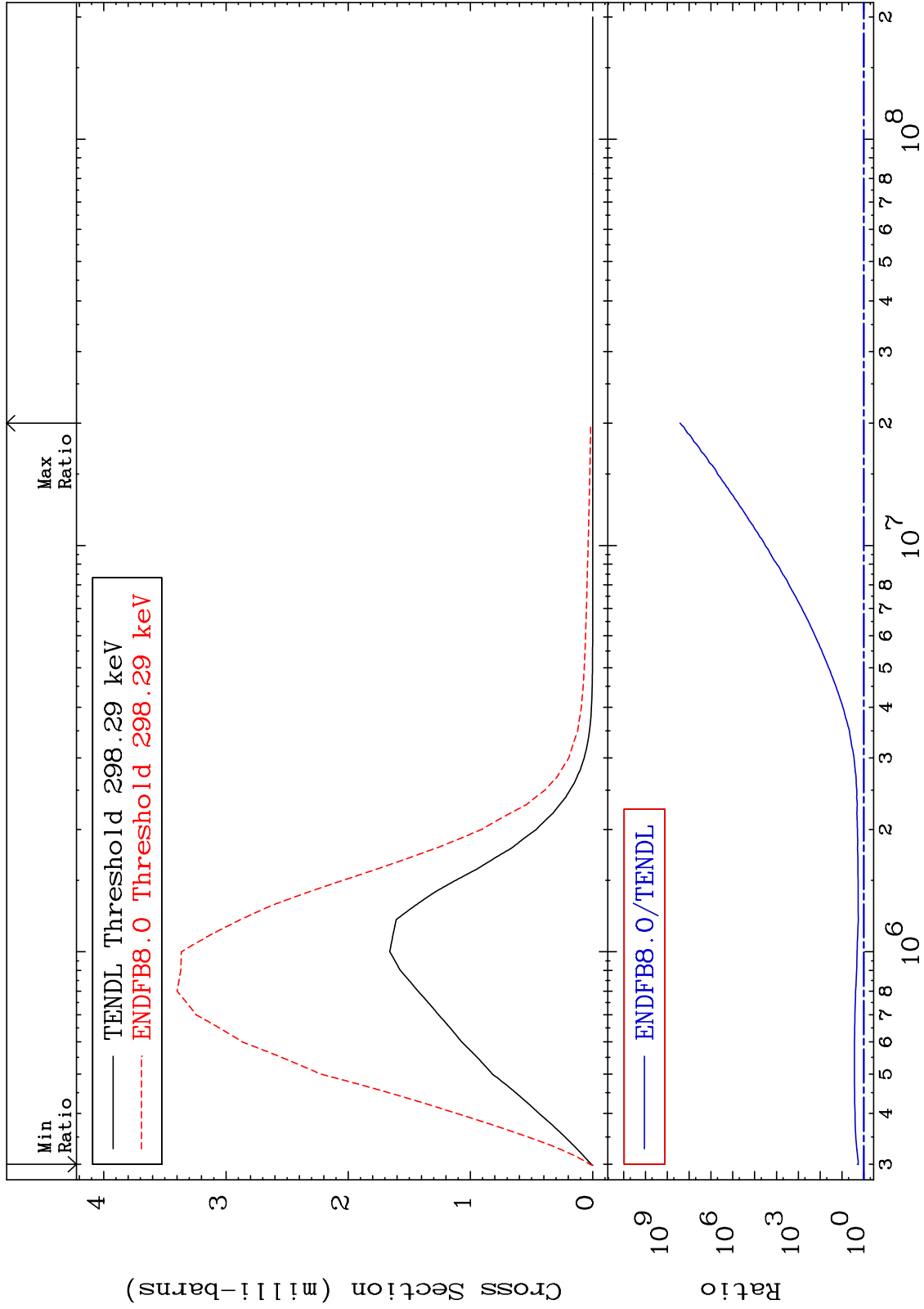
93-Np-238  
38.74 To 9999. %



MAT 9349

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

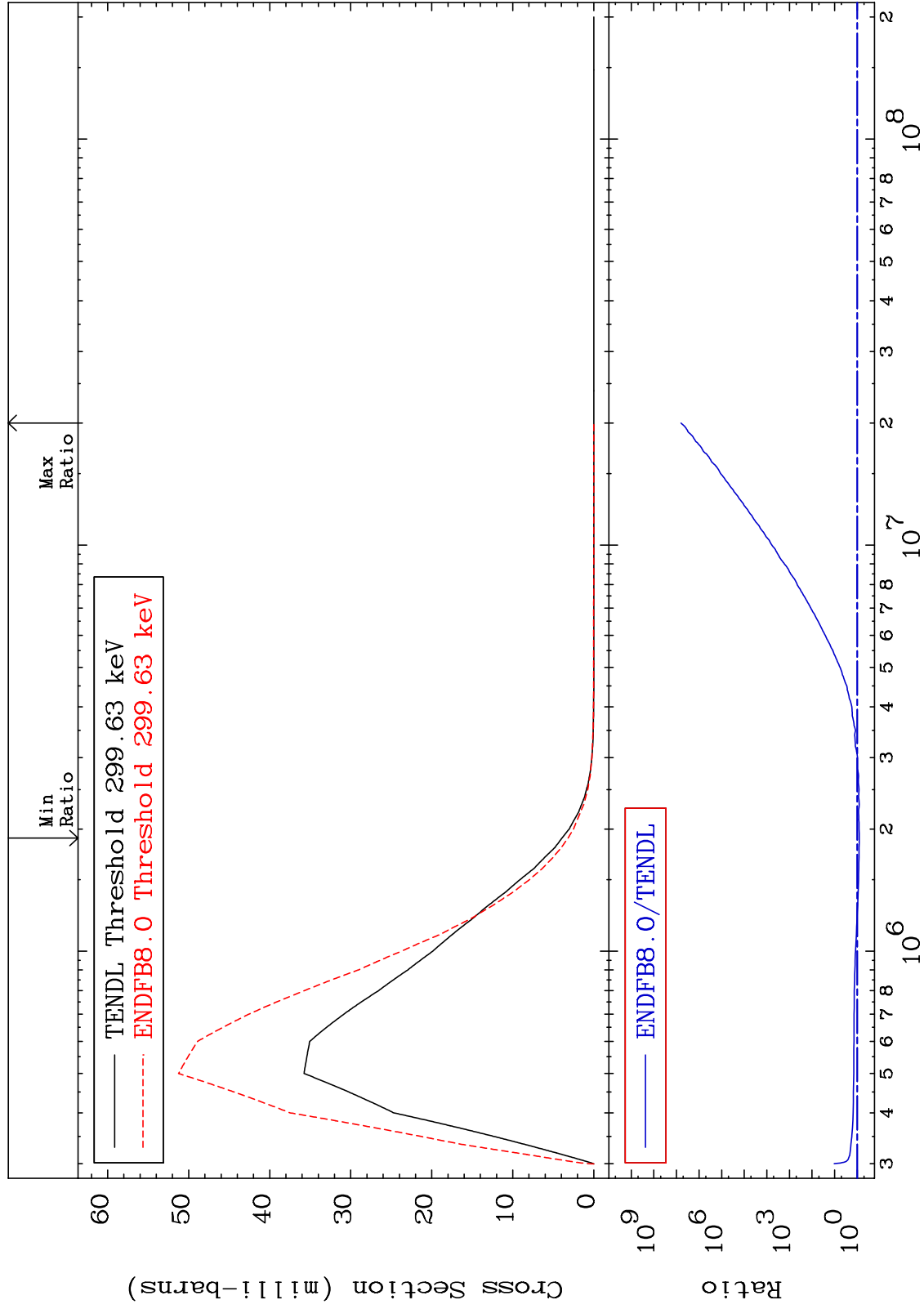
93-Np-238  
76.84 To 9999. %



MAT 9349

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

93-Np-238  
-18.94 To 9999. %



35

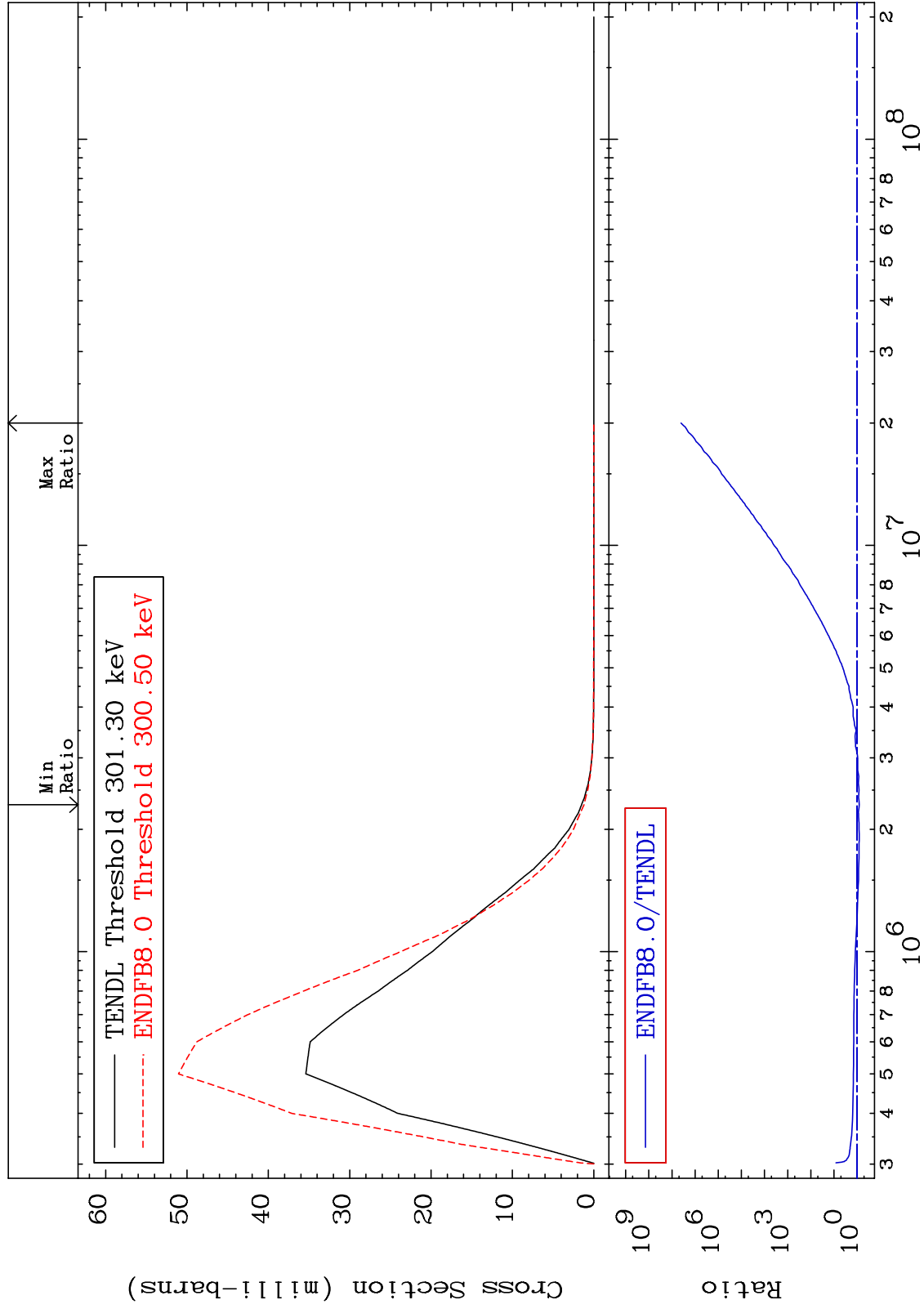
Incident Energy (eV)

93-Np-238

MAT 9349

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

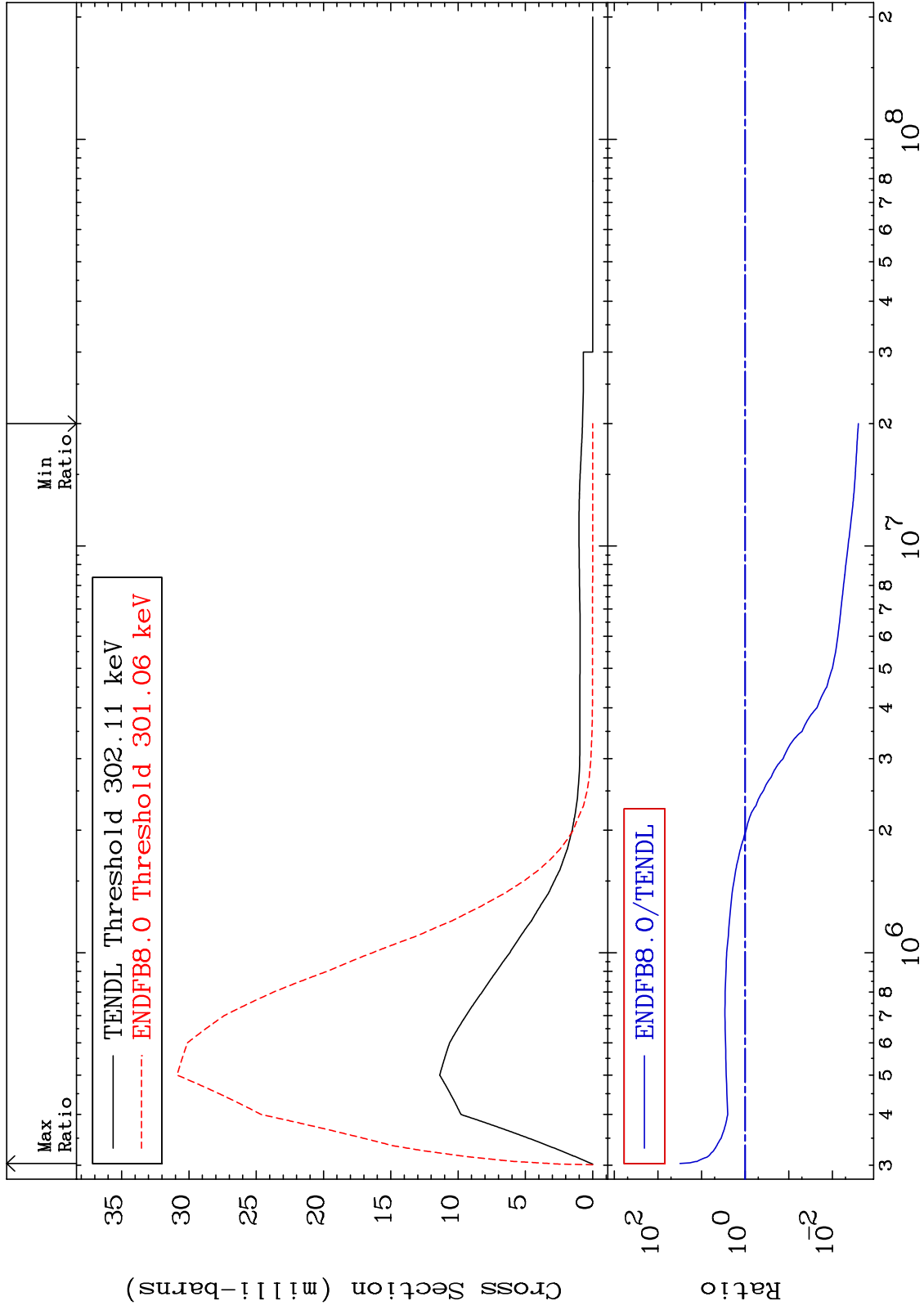
93-Np-238  
-19.35 To 9999. %



MAT 9349

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

93-Np-238  
-99.75 To 3020. %



37

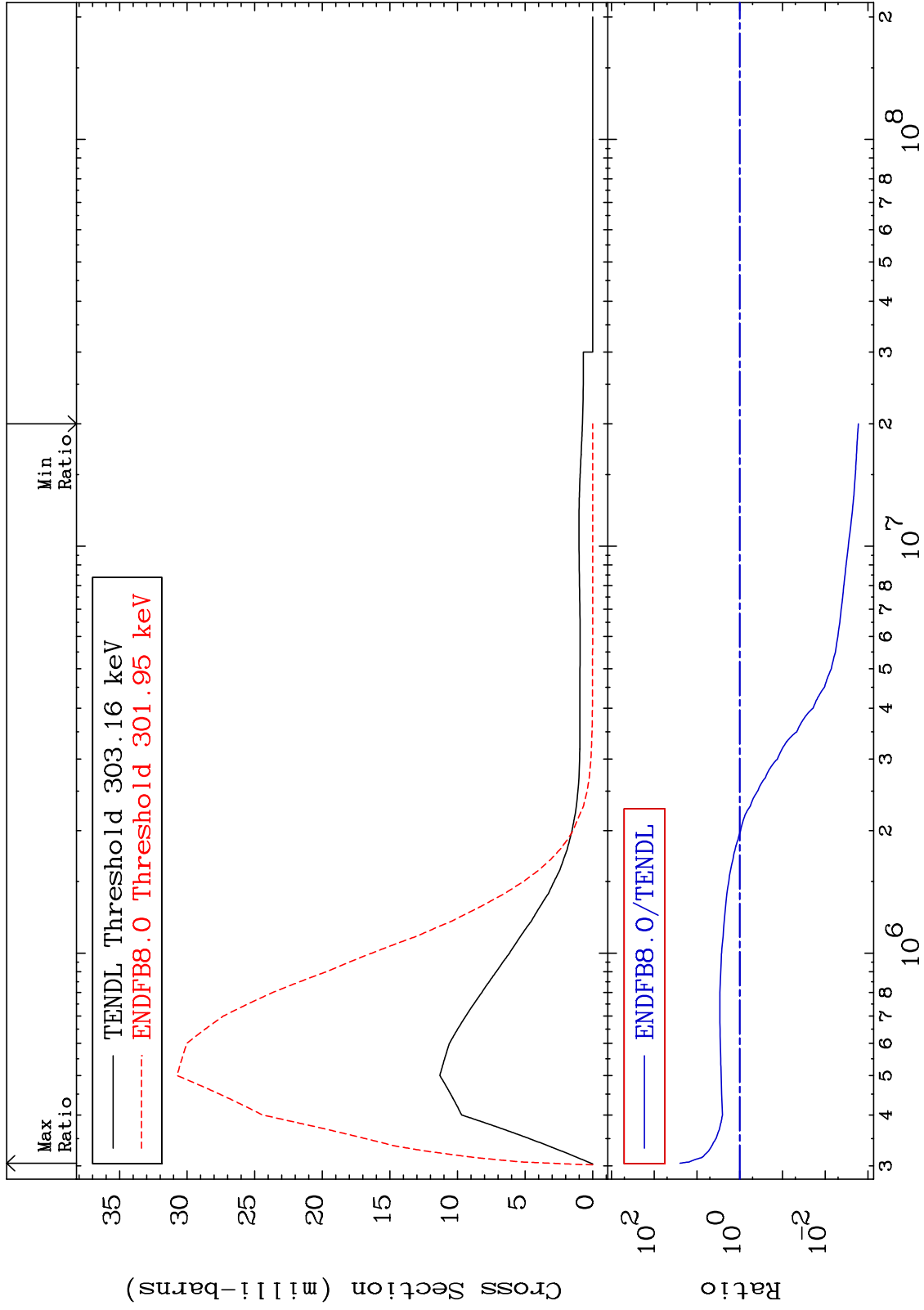
Incident Energy (eV)

93-Np-238

MAT 9349

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

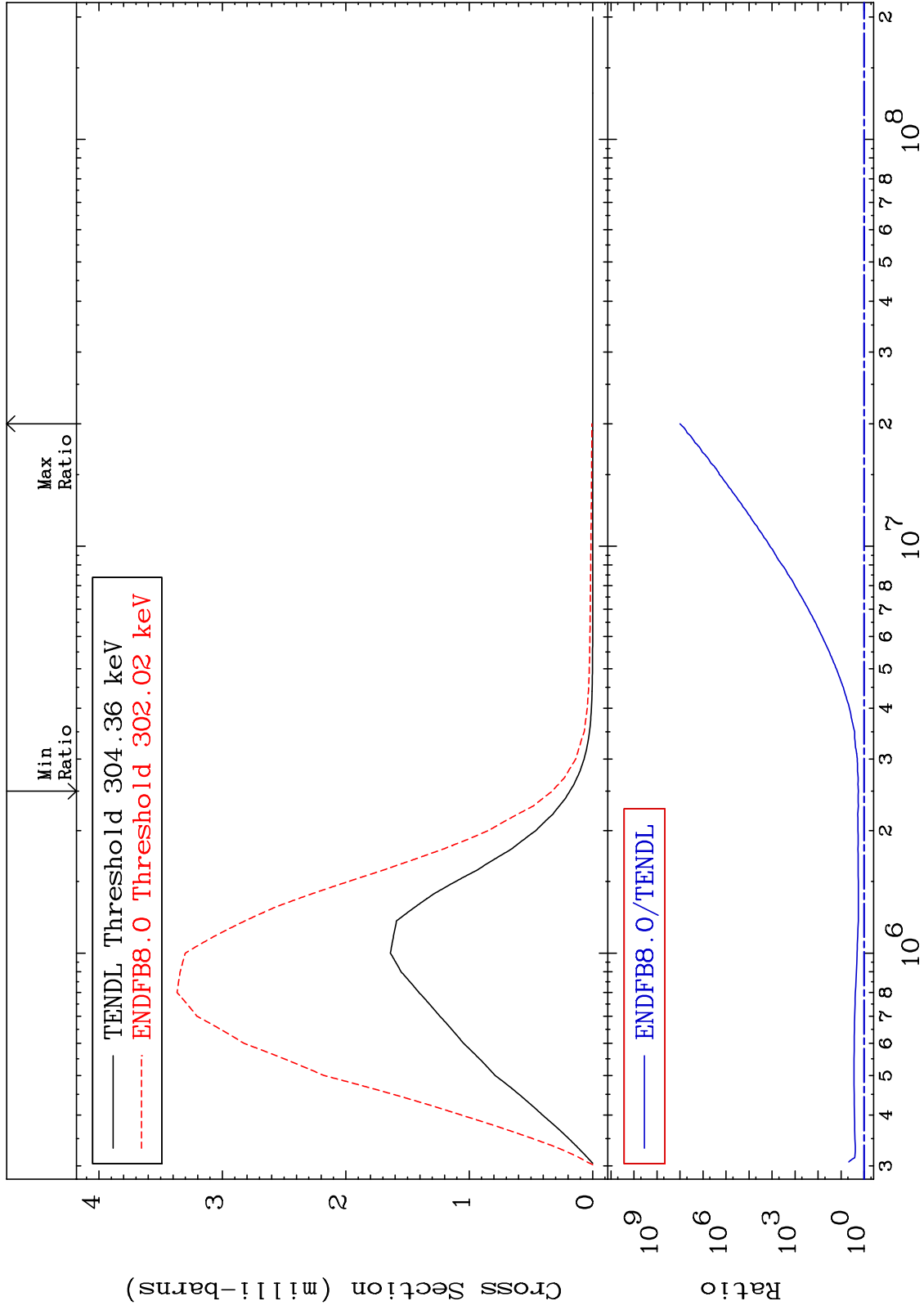
93-Np-238  
-99.83 To 2381. %



MAT 9349

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

93-Np-238  
76.45 To 9999. %

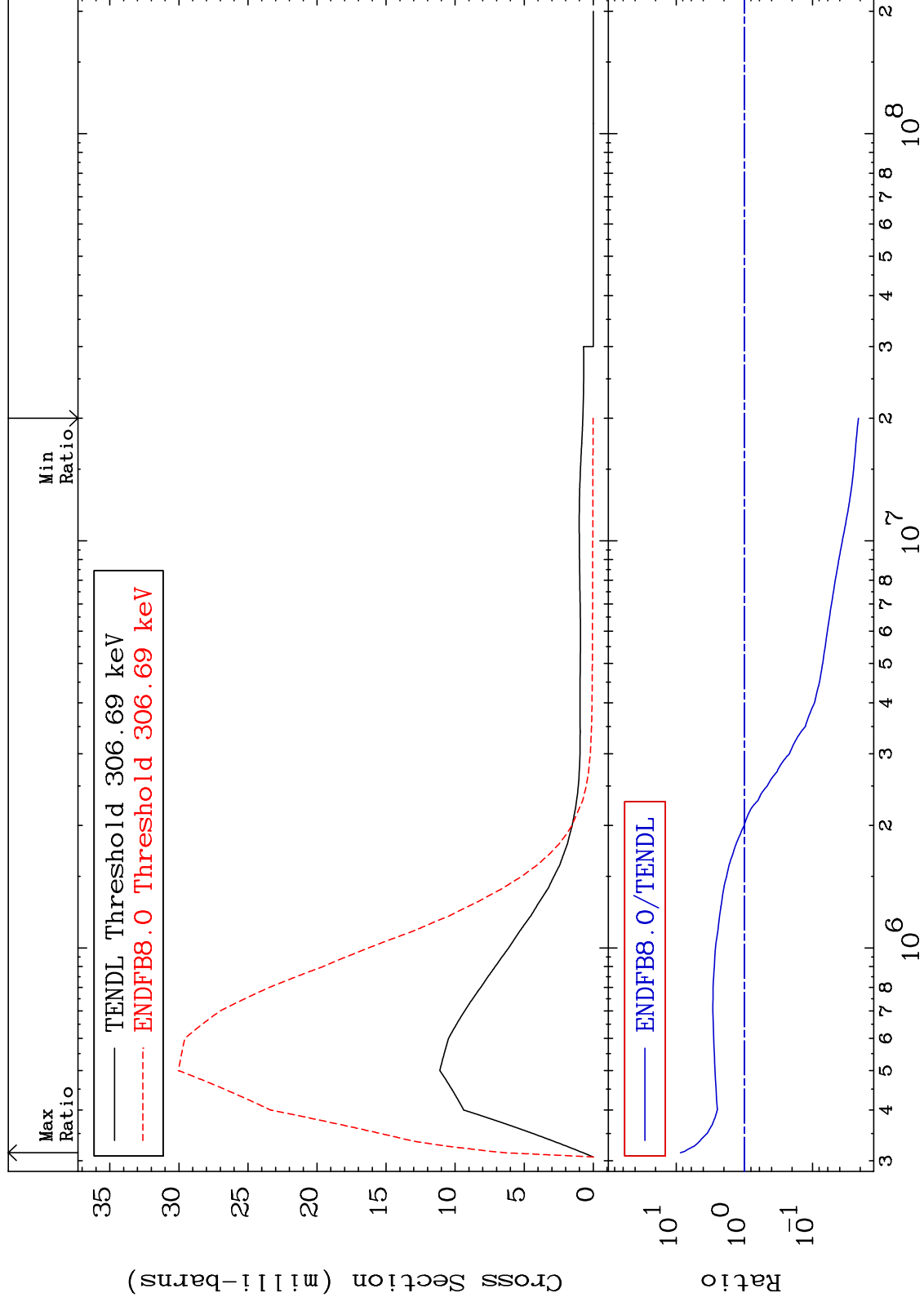




MAT 9349

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

93-Np-238  
-97.88 To 765.3 %



40

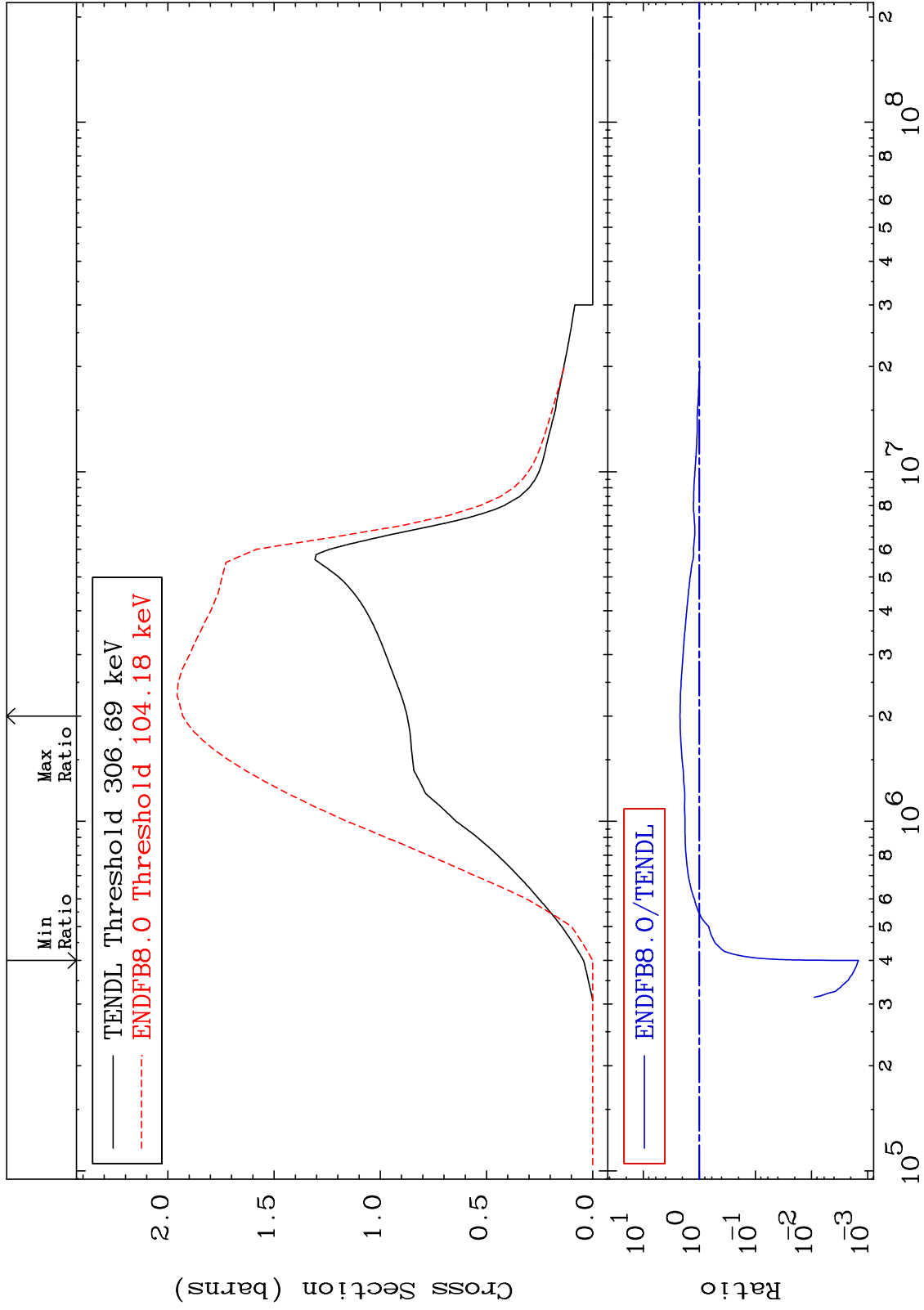
Incident Energy (eV)

93-Np-238

MAT 9349

(n, n') Continuum  
Cross Section

93-Np-238  
-99.85 To 121.0 %



Incident Energy (eV)

93-Np-238

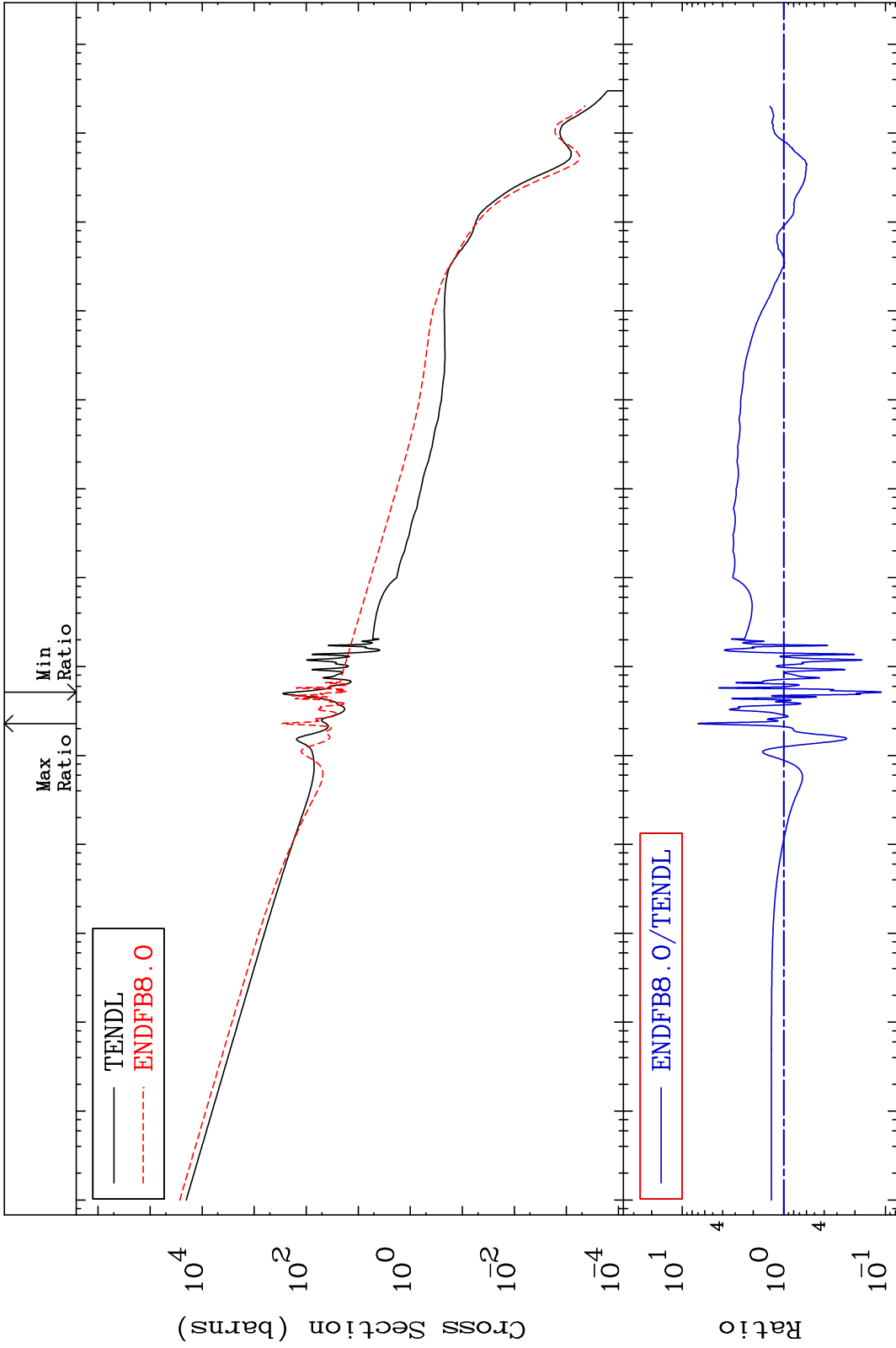
41

MAT 9349

93-Np-238

-89.06 To 602.4 %

(n,  $\gamma$ )  
Cross Section



42

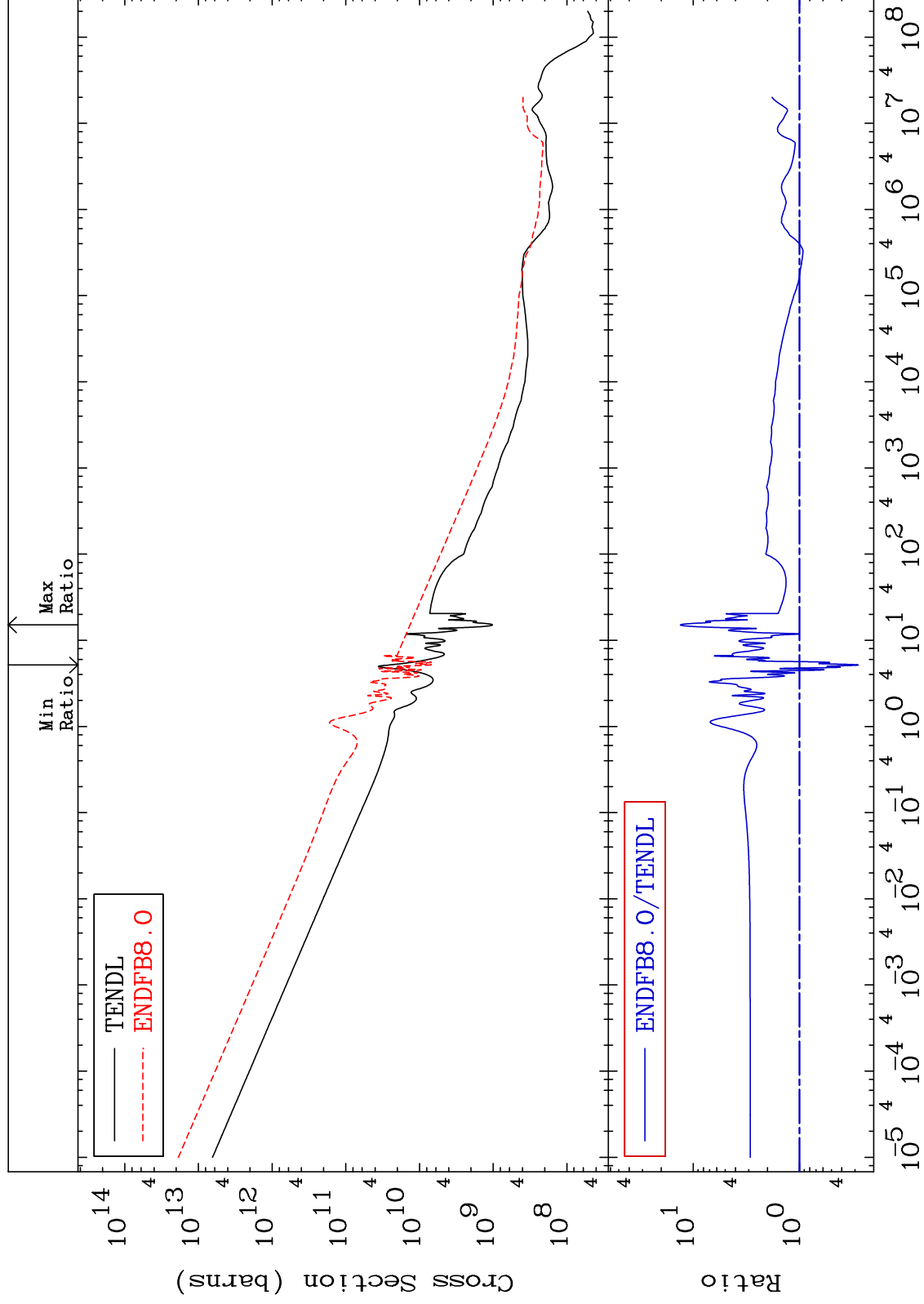
Incident Energy (eV)

93-Np-238

MAT 9349

Kerma total (eV-barns)  
Cross Section

93-Np-238  
-72.16 To 1217. %



43

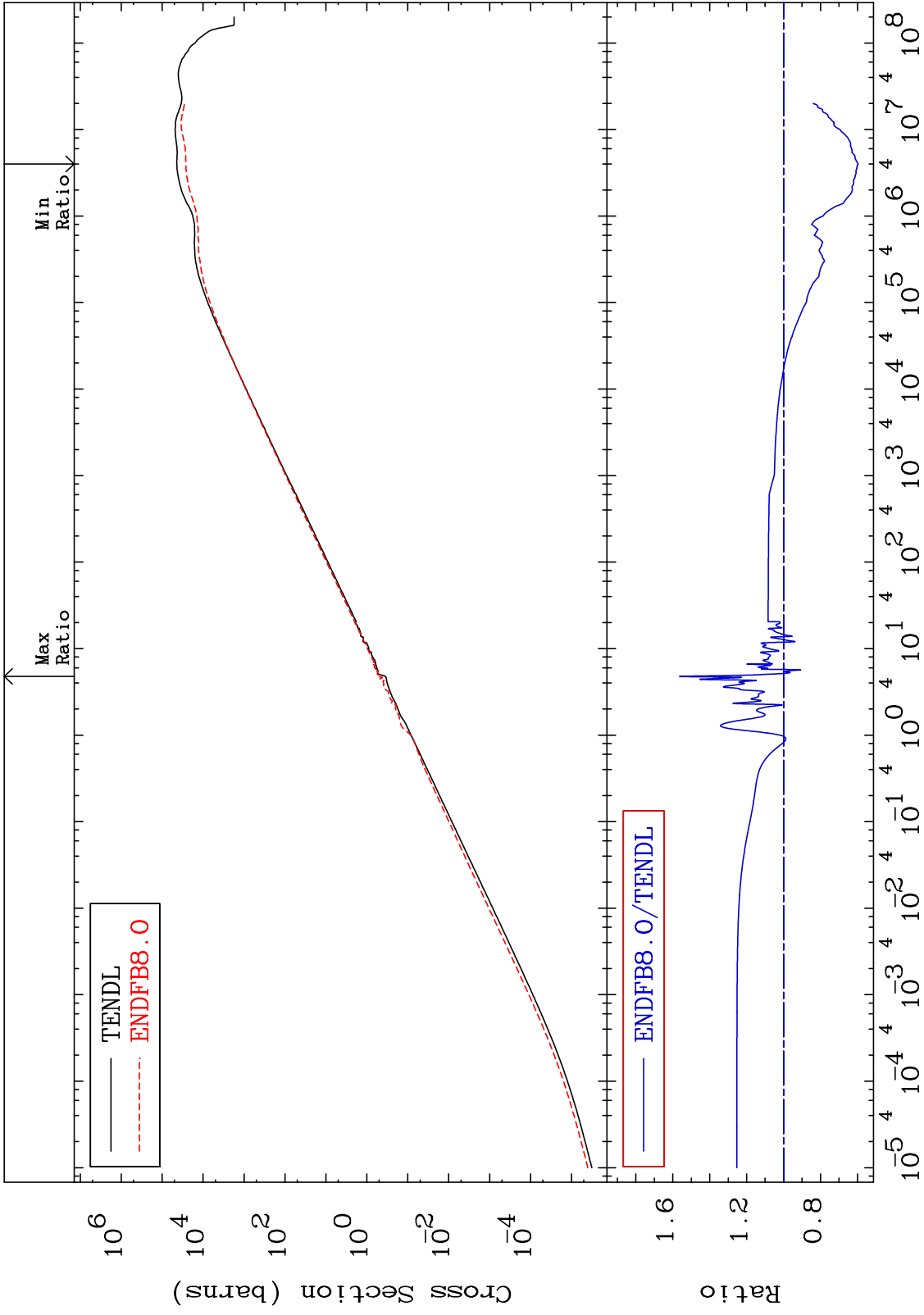
Incident Energy (eV)

93-Np-238

MAT 9349

Kerma elastic  
Cross Section

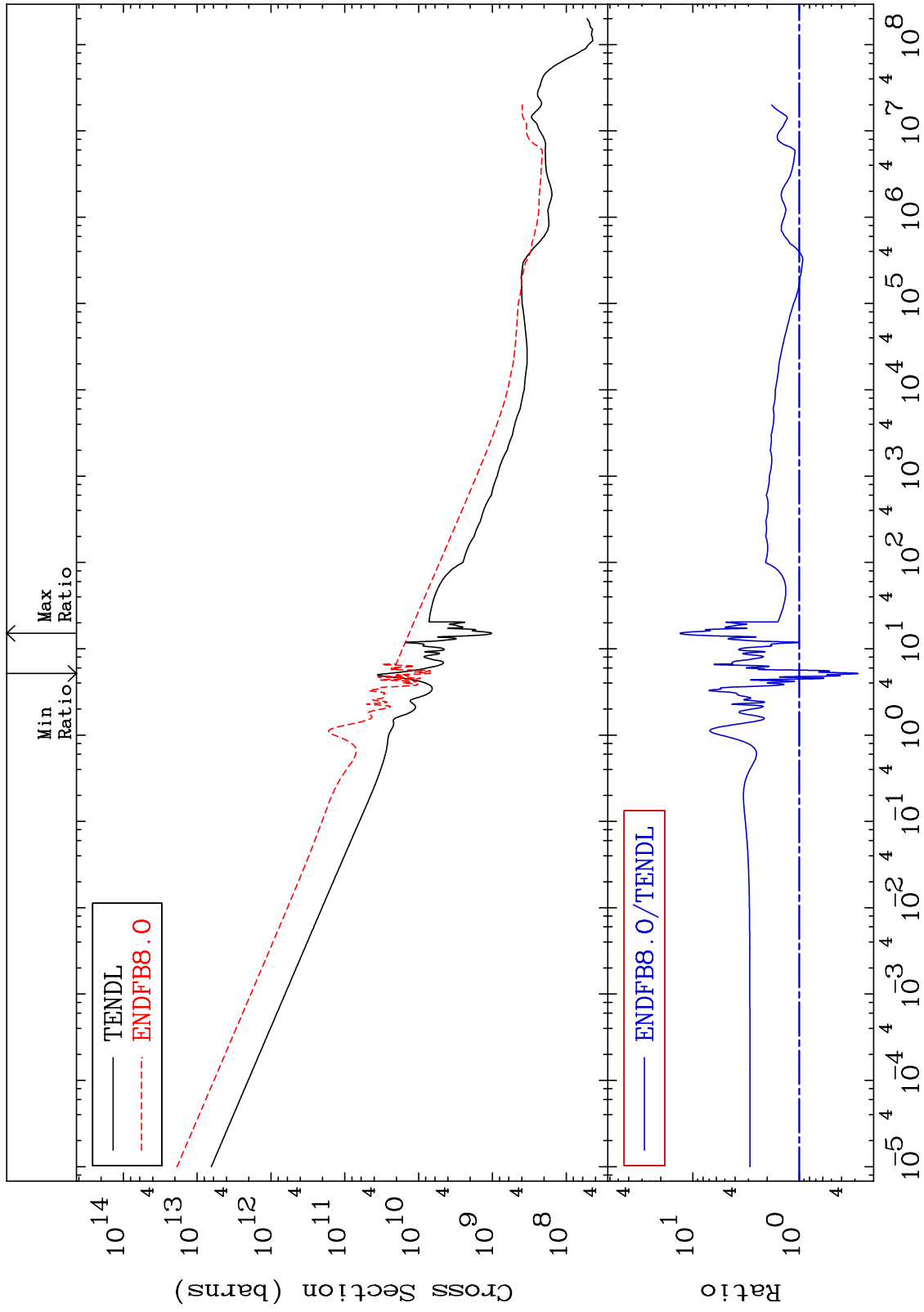
93-Np-238  
-40.40 To 56.42 %



MAT 9349

Kerma non-elastic (all but mt2)  
Cross Section

93-Np-238  
-72.16 To 1217. %



45

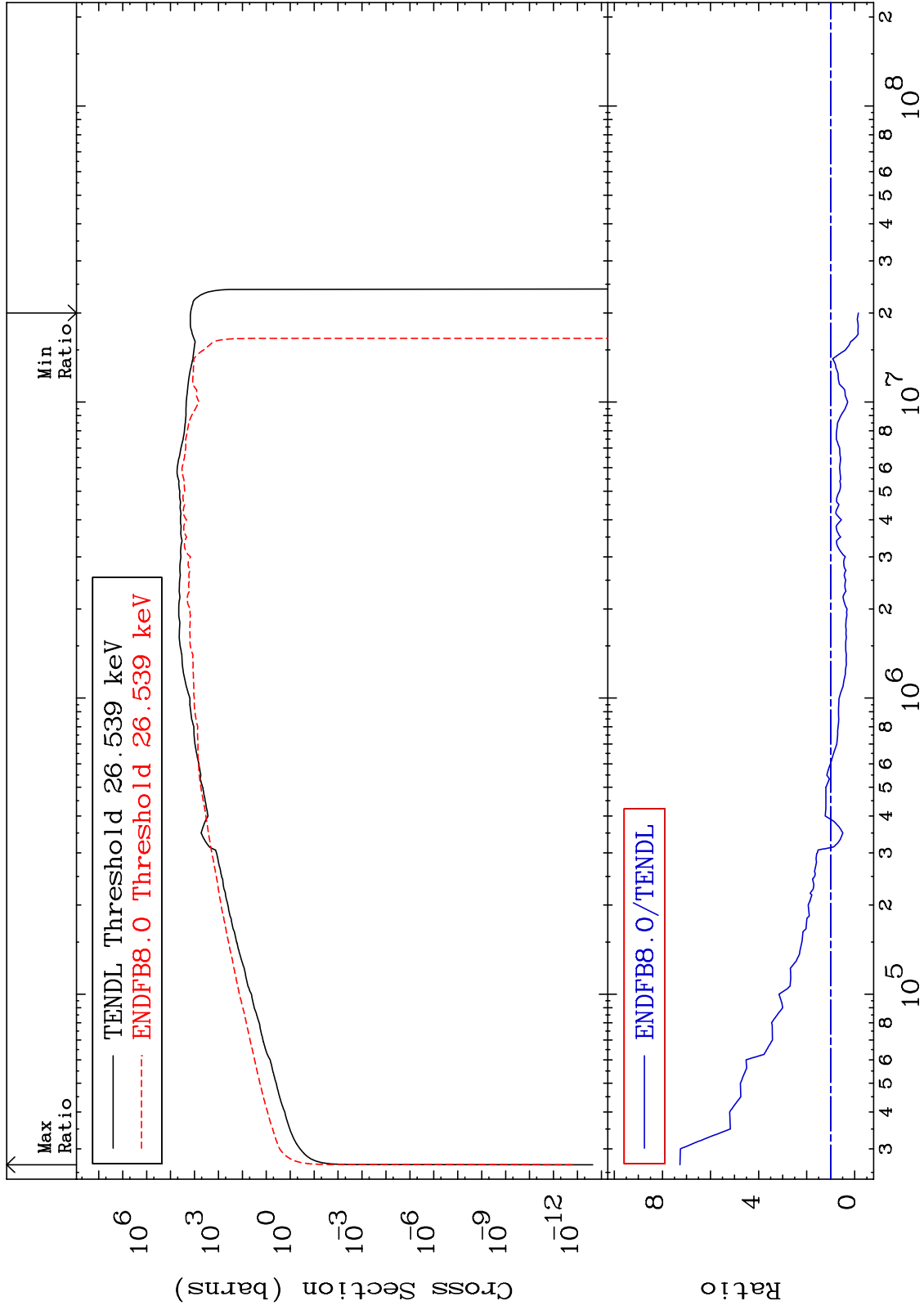
Incident Energy (eV)

93-Np-238

MAT 9349

Kerma inelastic (mt51-91)  
Cross Section

93-Np-238  
-115.2 To 626.8 %



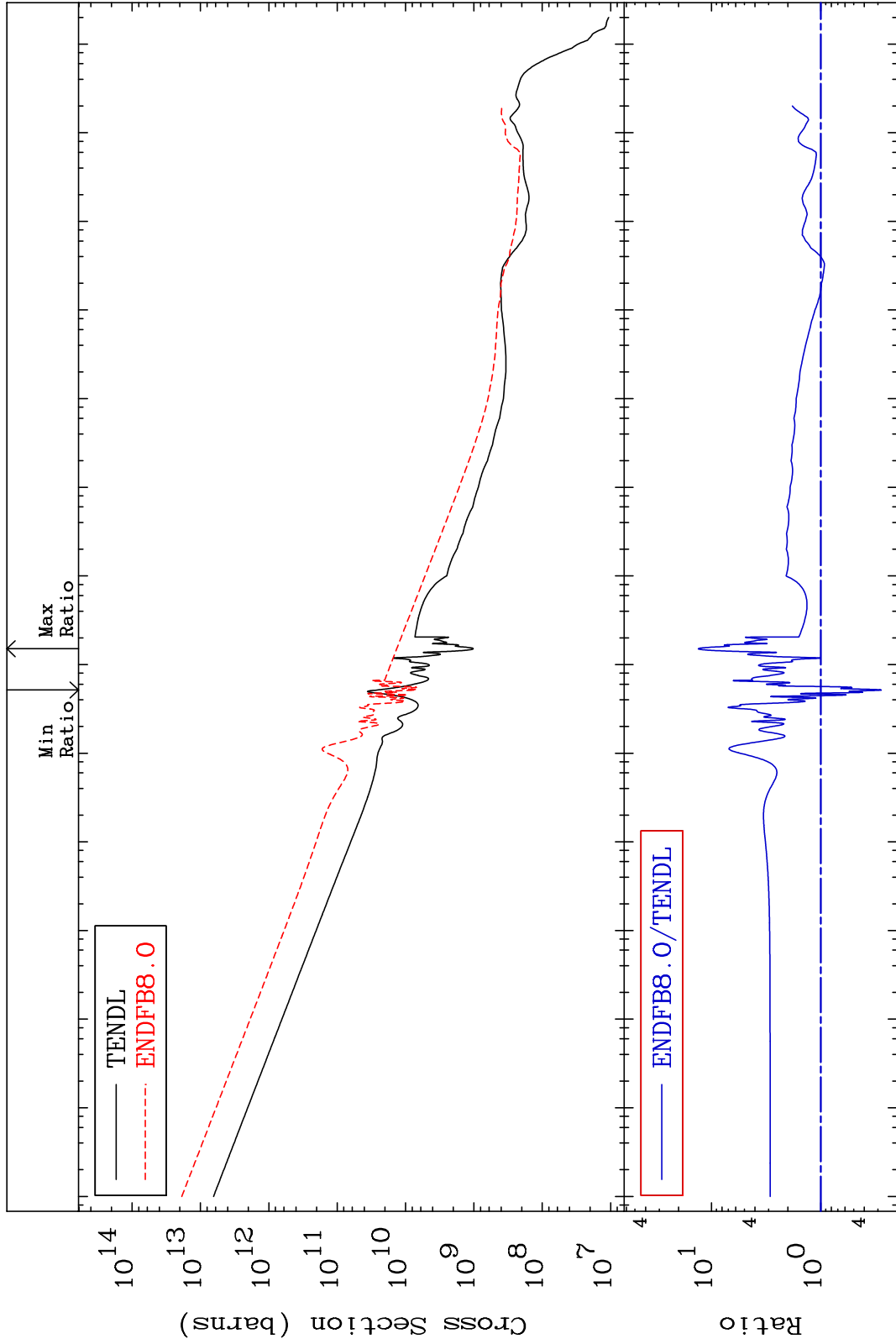
MAT 9349

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

93-Np-238

-72.16 To 1217. %

Cross Section



47

Incident Energy (eV)

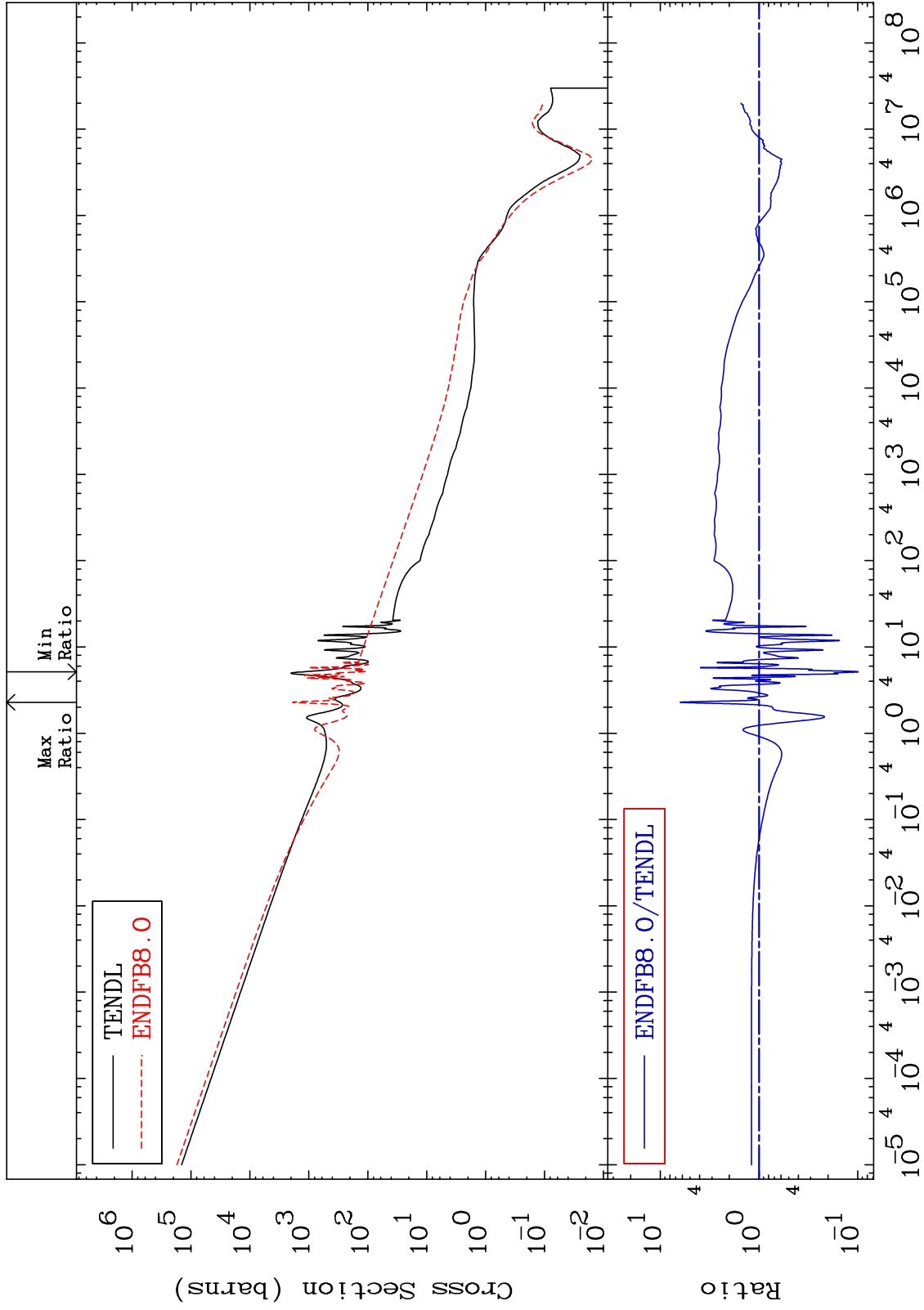
93-Np-238



MAT 9349

Kerma capture (mt102)  
Cross Section

93-Np-238  
-90.16 To 532.2 %



48

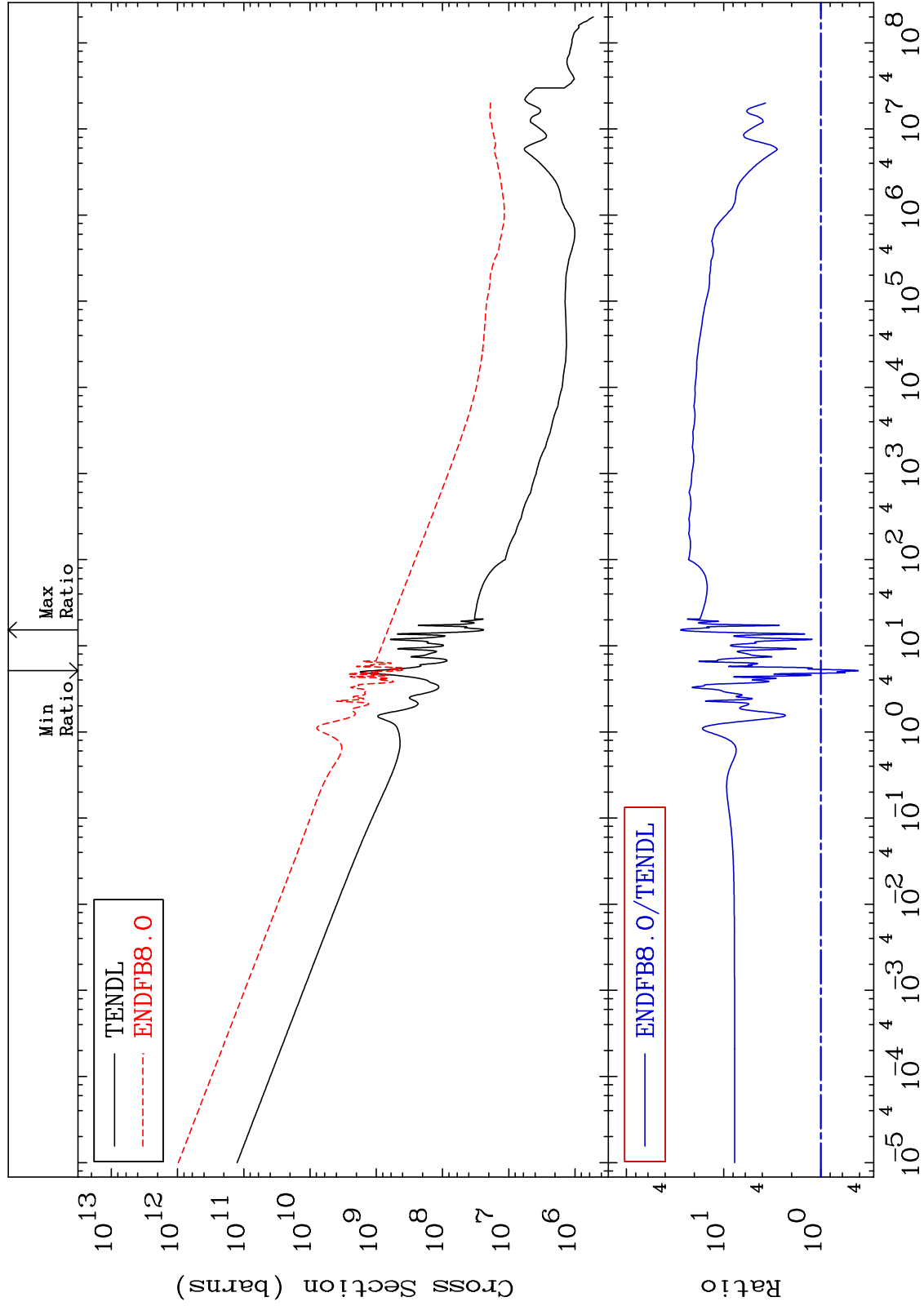
Incident Energy (eV)

93-Np-238

MAT 9349

Total photon (eV-barns)  
Cross Section

93-Np-238  
-59.03 To 2680. %



49

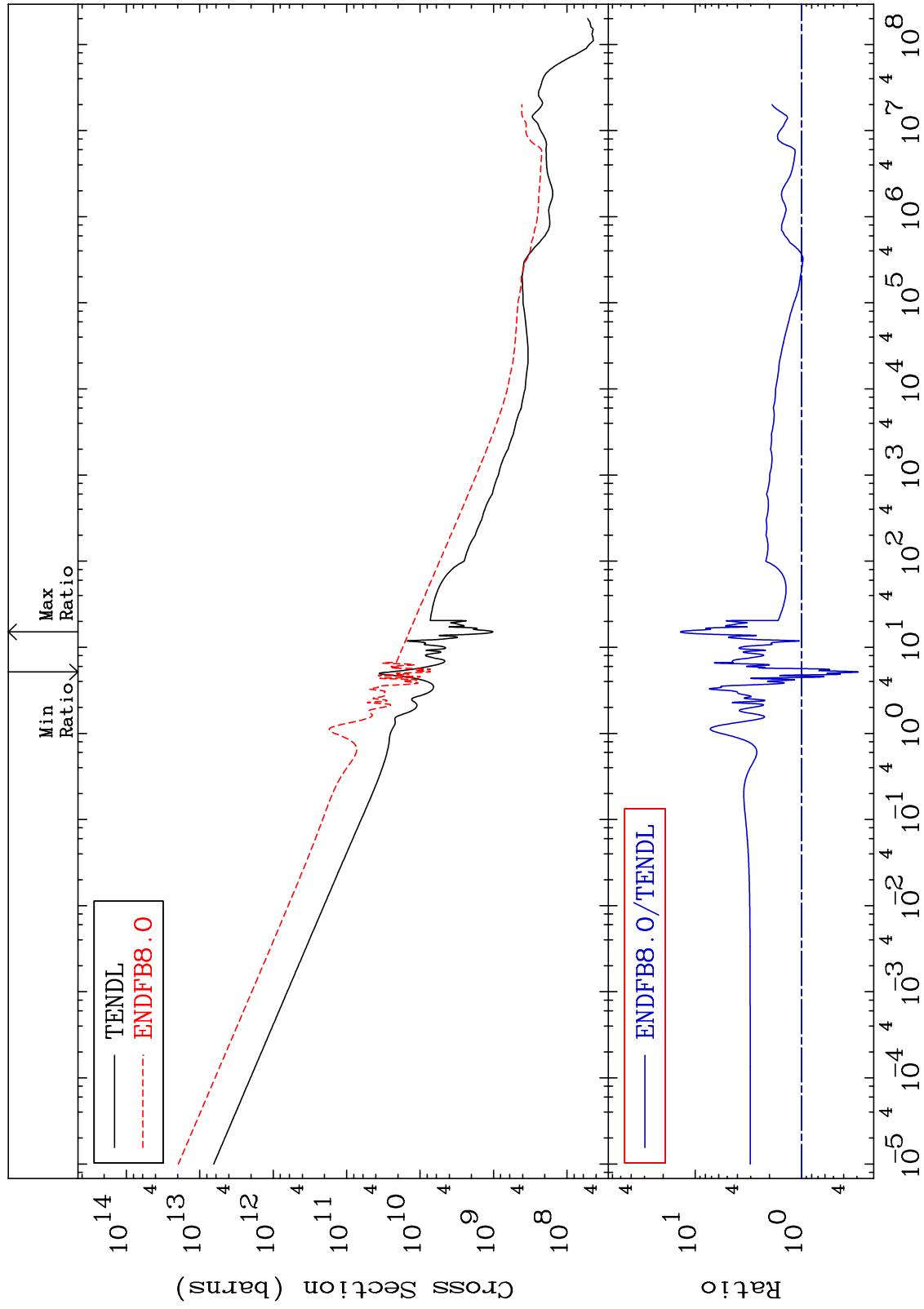
Incident Energy (eV)

93-Np-238

MAT 9349

Total kinematic kerma (high limit)  
Cross Section

93-Np-238  
-70.96 To 1274. %



50

Incident Energy (eV)

93-Np-238

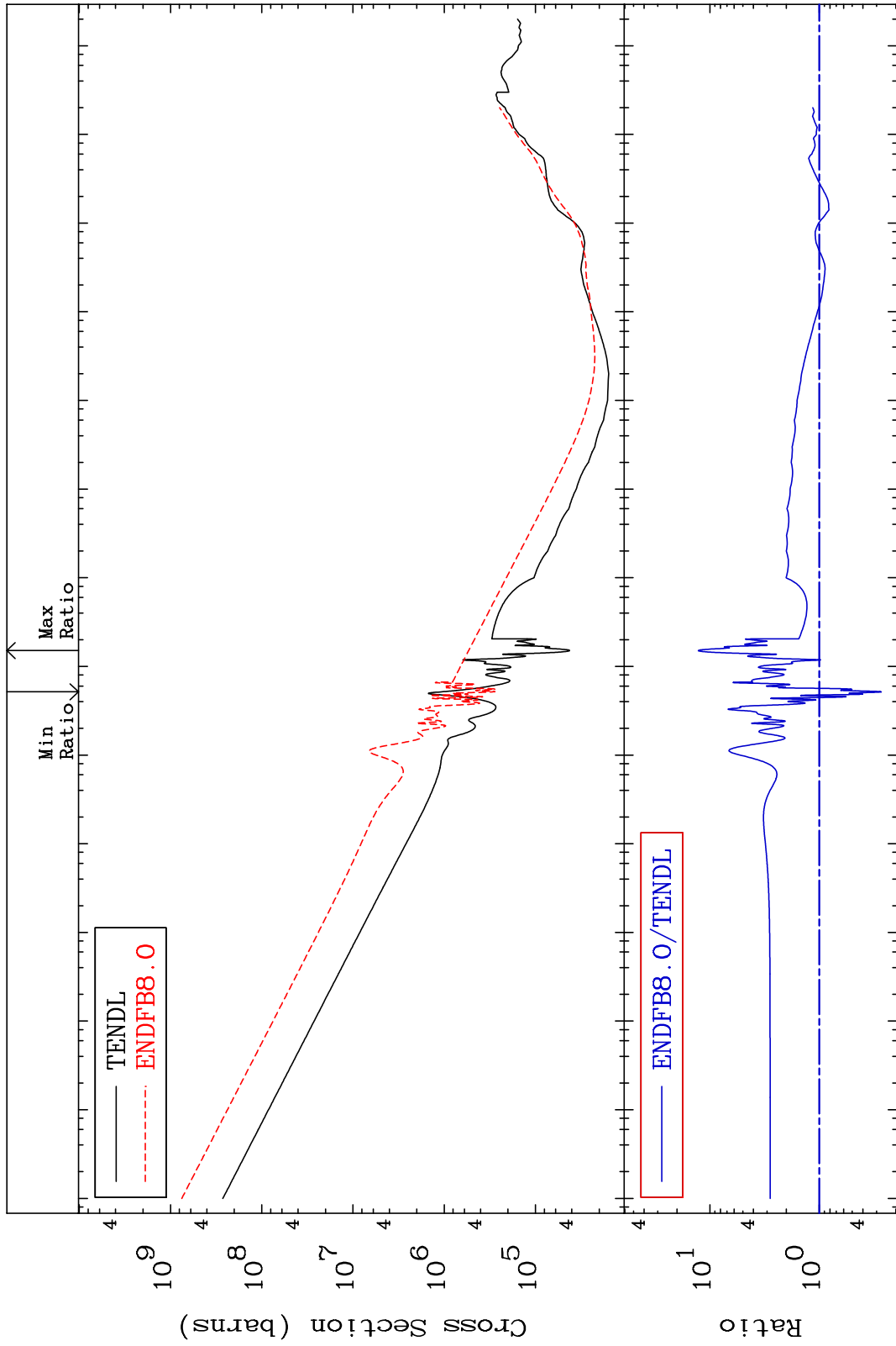
MAT 9349

Dpa total (eV-barns)

93-Np-238

-73.02 To 1177. %

Cross Section



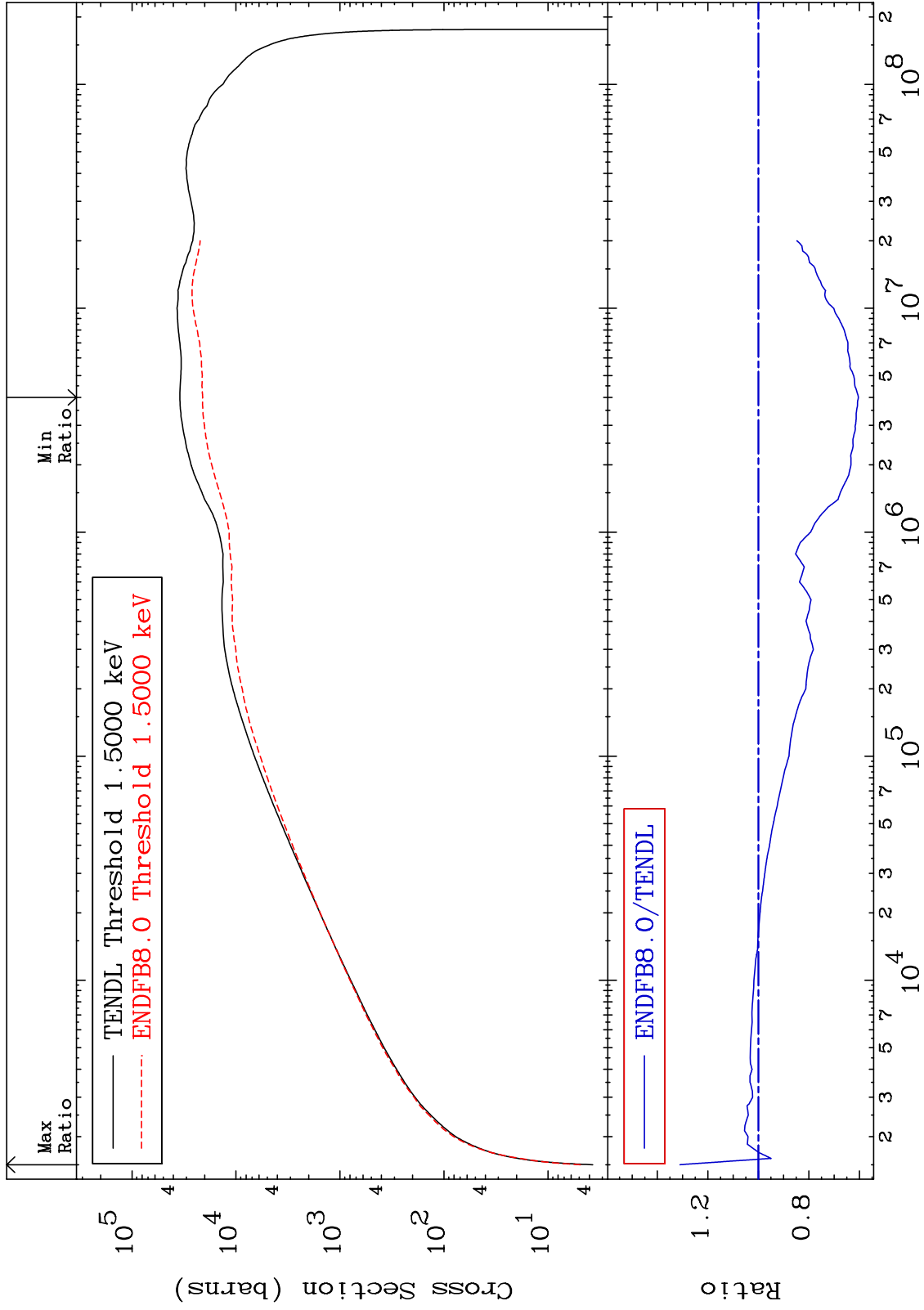
Incident Energy (eV)

93-Np-238

MAT 9349

Dpa elastic (mt2)  
Cross Section

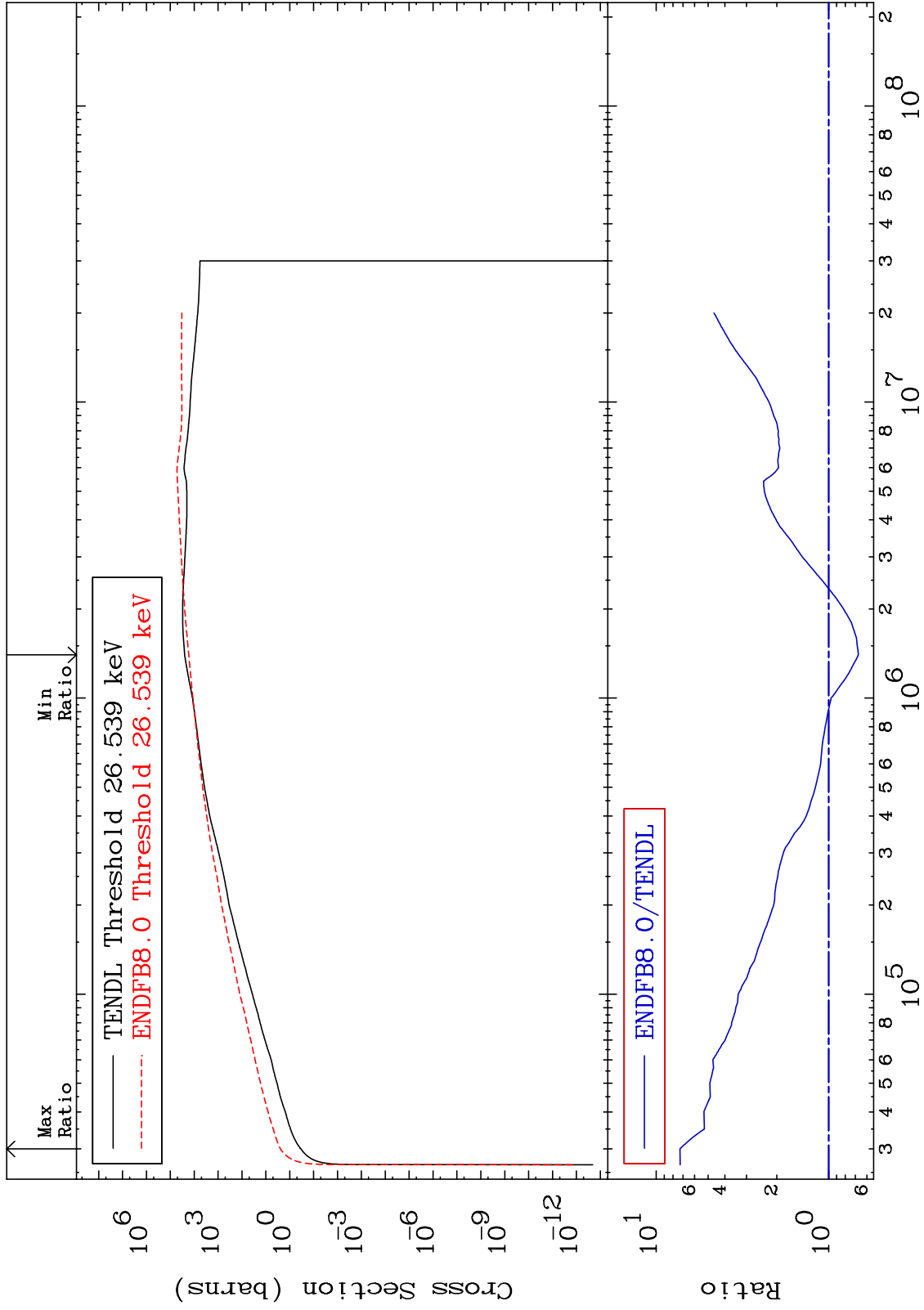
93-Np-238  
-39.61 To 31.03 %



MAT 9349

Dpa inelastic (mt51-91)  
Cross Section

93-Np-238  
-32.81 To 628.1 %



MAT 9349

Dpa disappearance (mt102 -120)  
Cross Section

93-Np-238  
-100.0 To 450.6 %

