

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

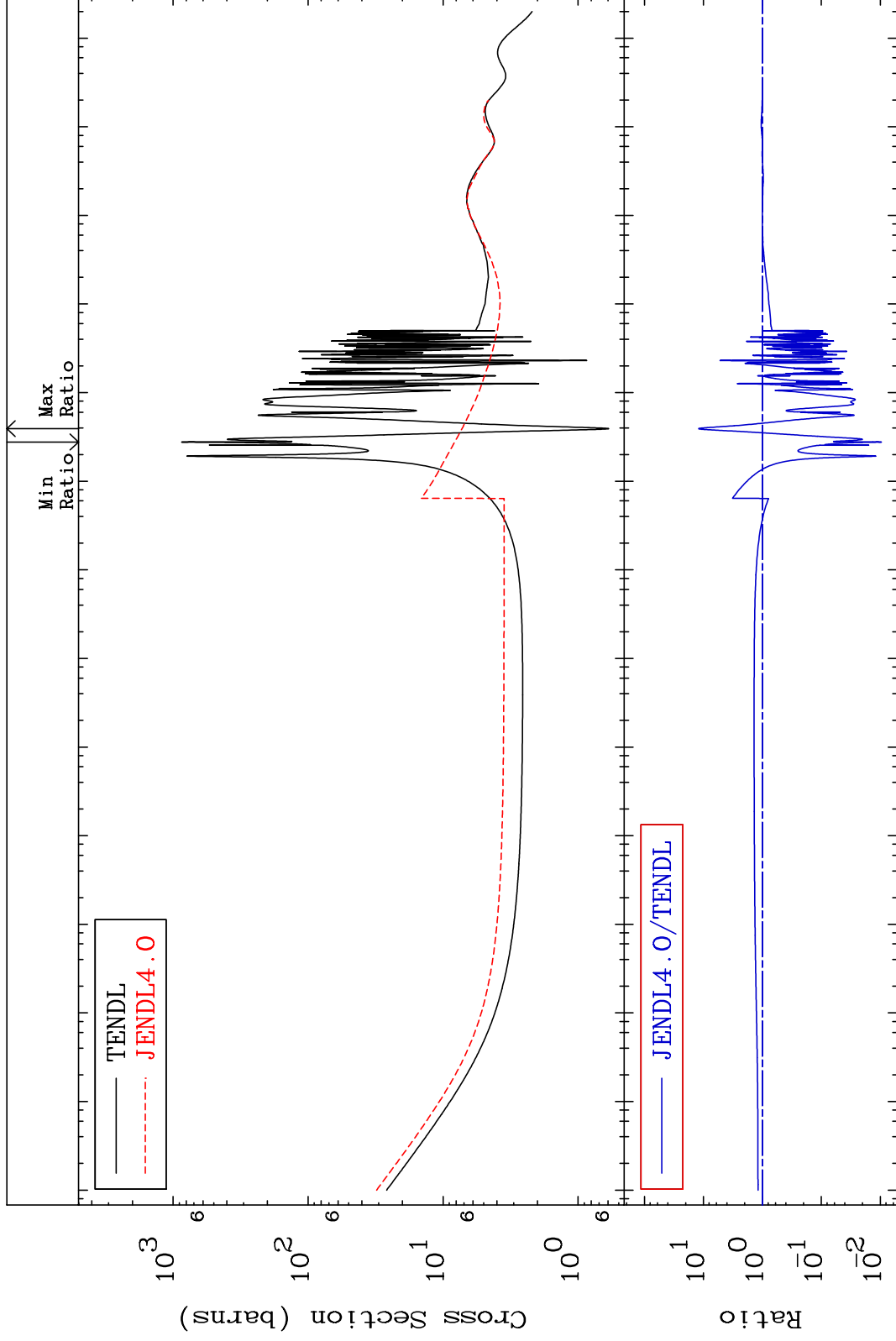
MAT 5537

Total

55-Cs-137

Cross Section

-99.05 To 1118. %



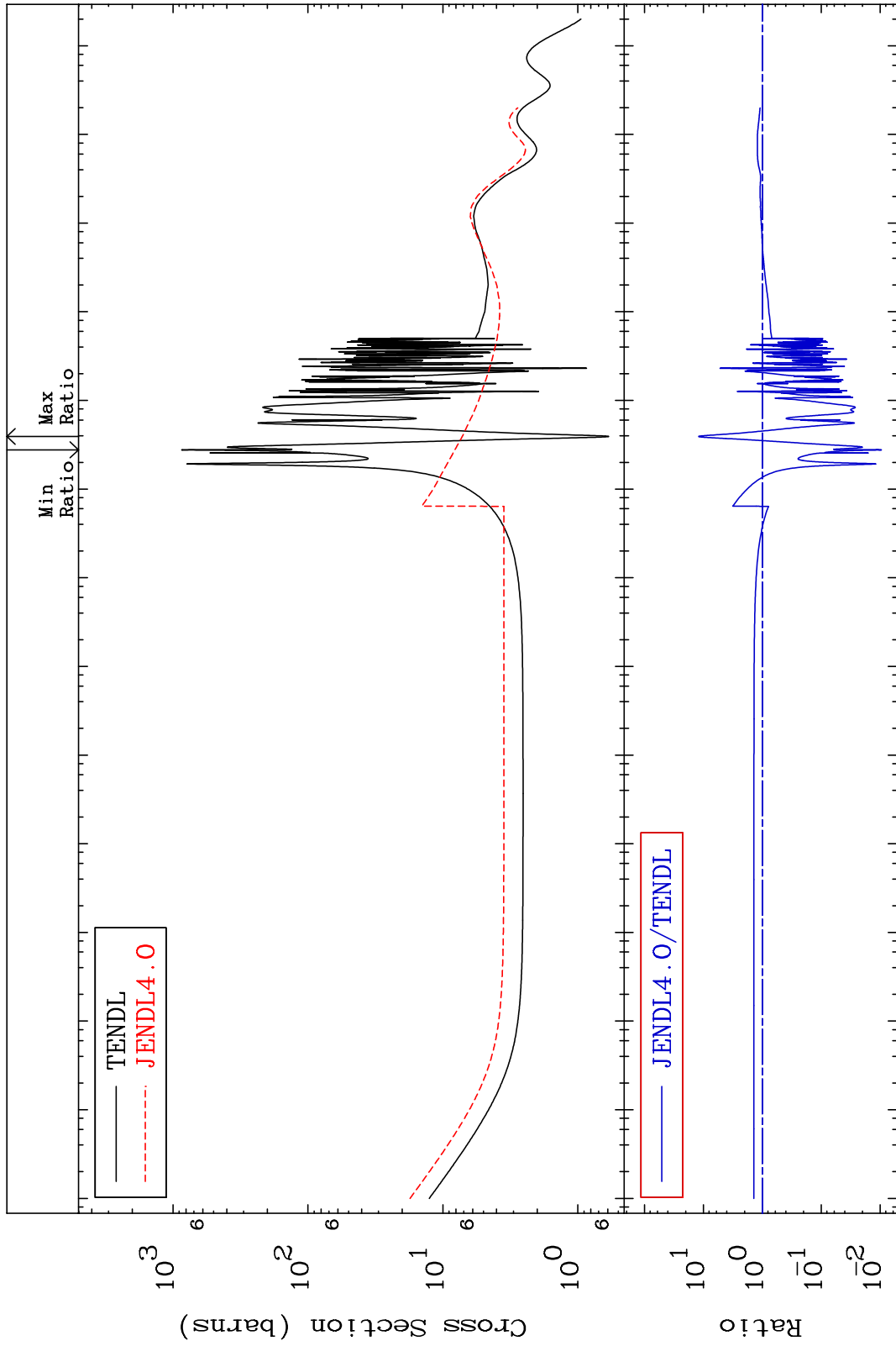
Incident Energy (eV)

55-Cs-137

MAT 5537

Elastic  
Cross Section

55-Cs-137  
-99.05 To 1117. %



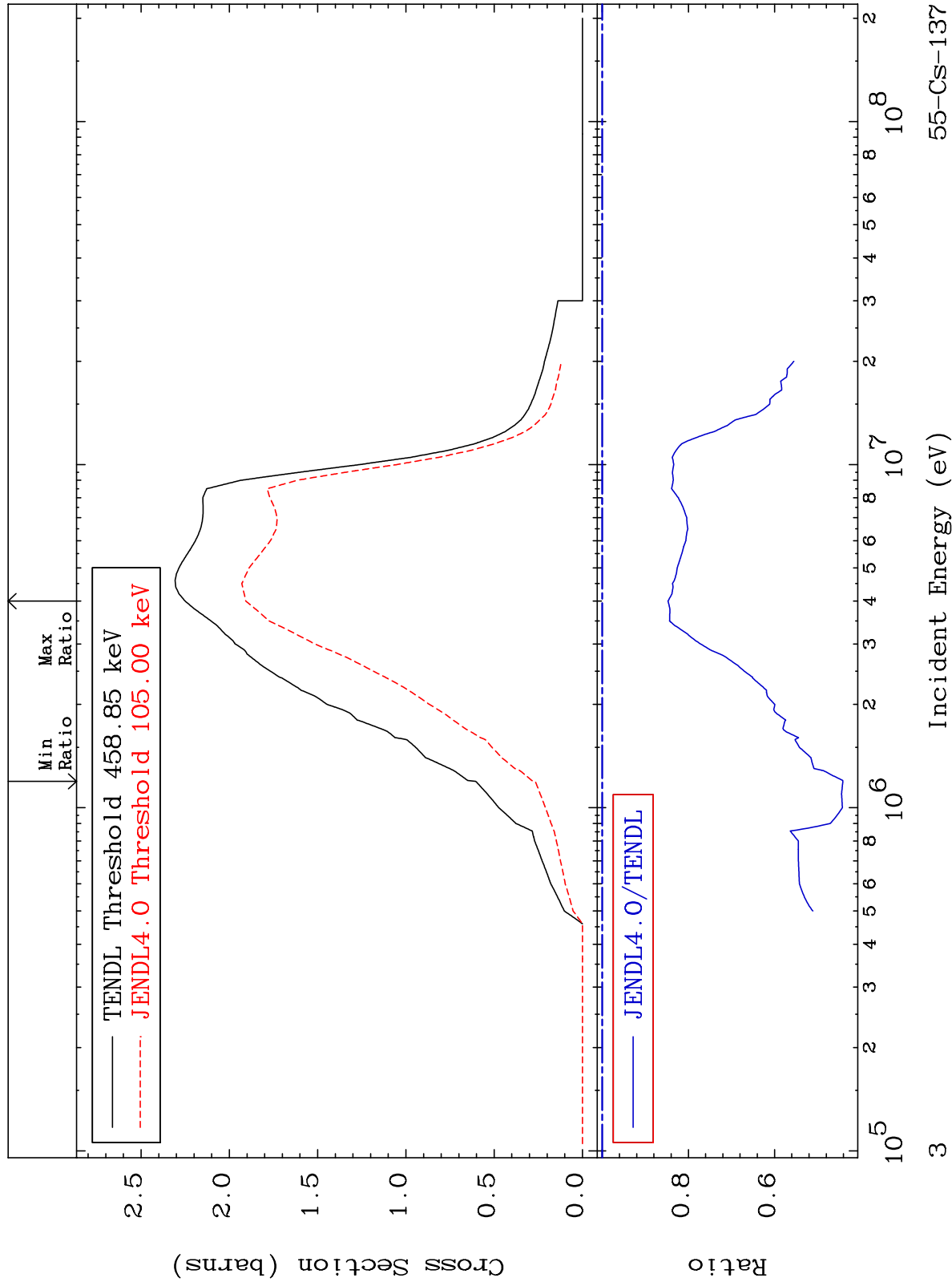
Incident Energy (eV)

55-Cs-137

2

MAT 5537

Inelastic Cross Section  
55-Cs-137  
-55.85 To -15.28%



55-Cs-137

Incident Energy (eV)

3

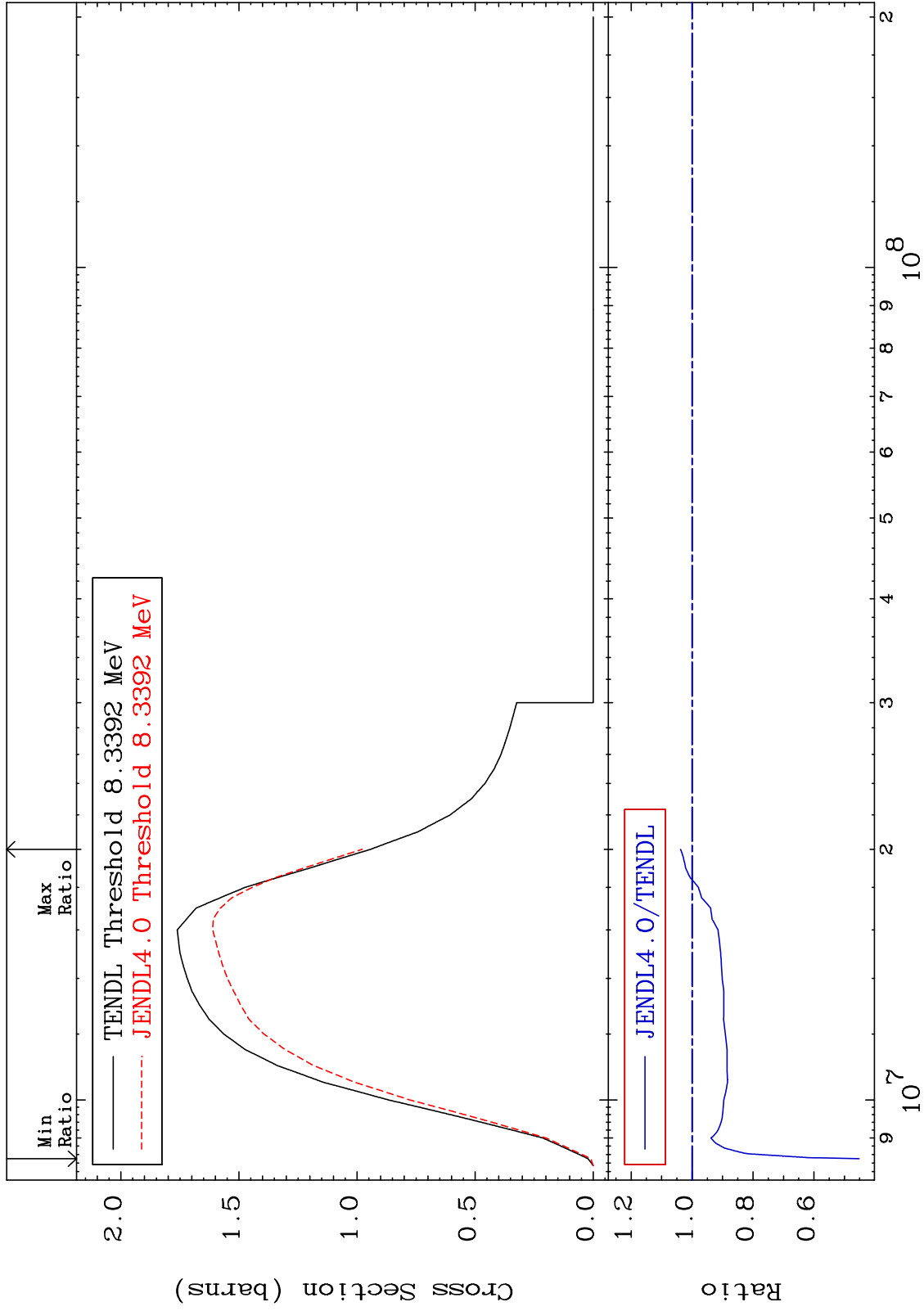
MAT 5537

(n,2n)

55-Cs-137

Cross Section

-54.84 To 3.758 %



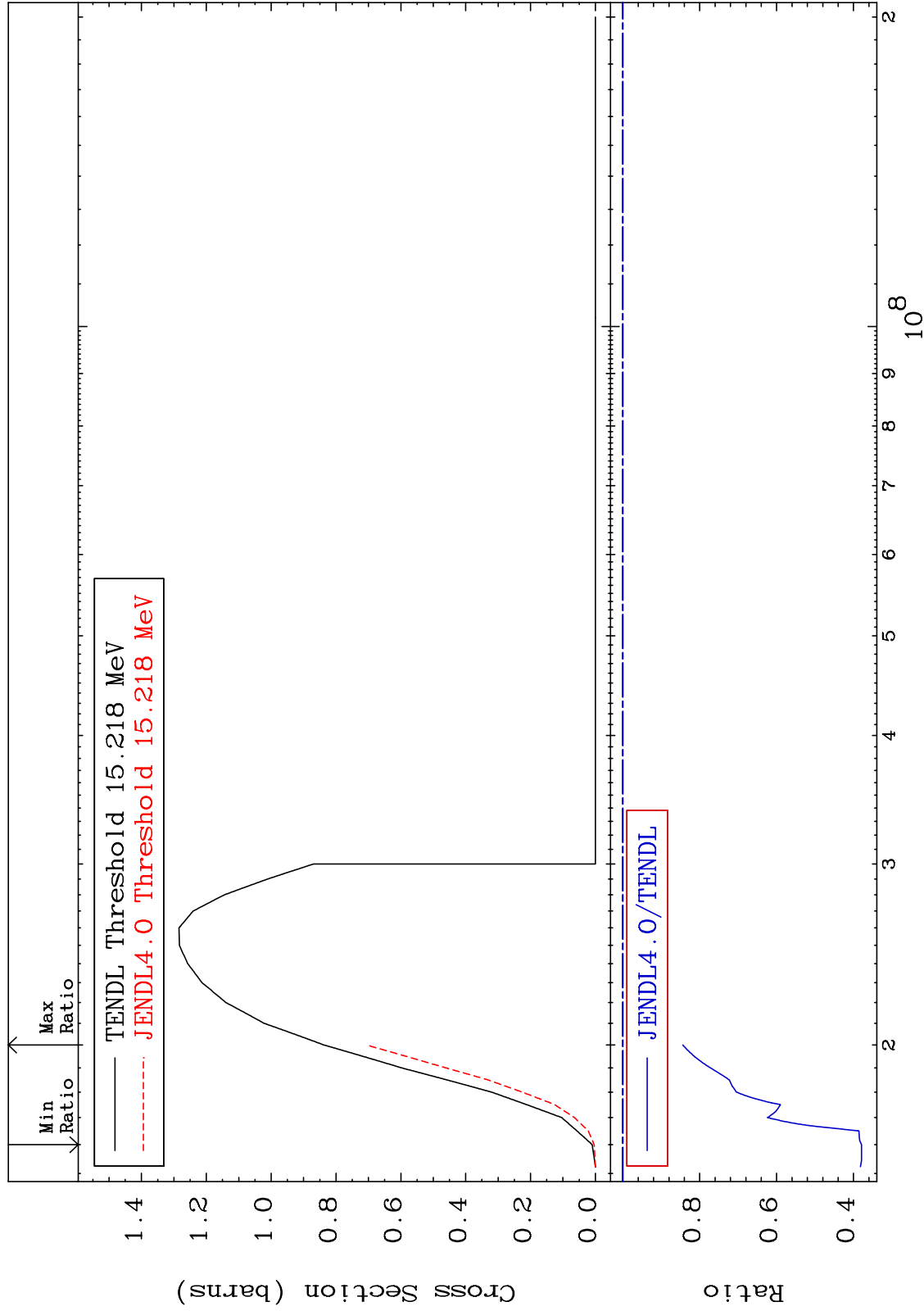
MAT 5537

(n, 3n)

55-Cs-137

Cross Section

-62.09 To -15.62%



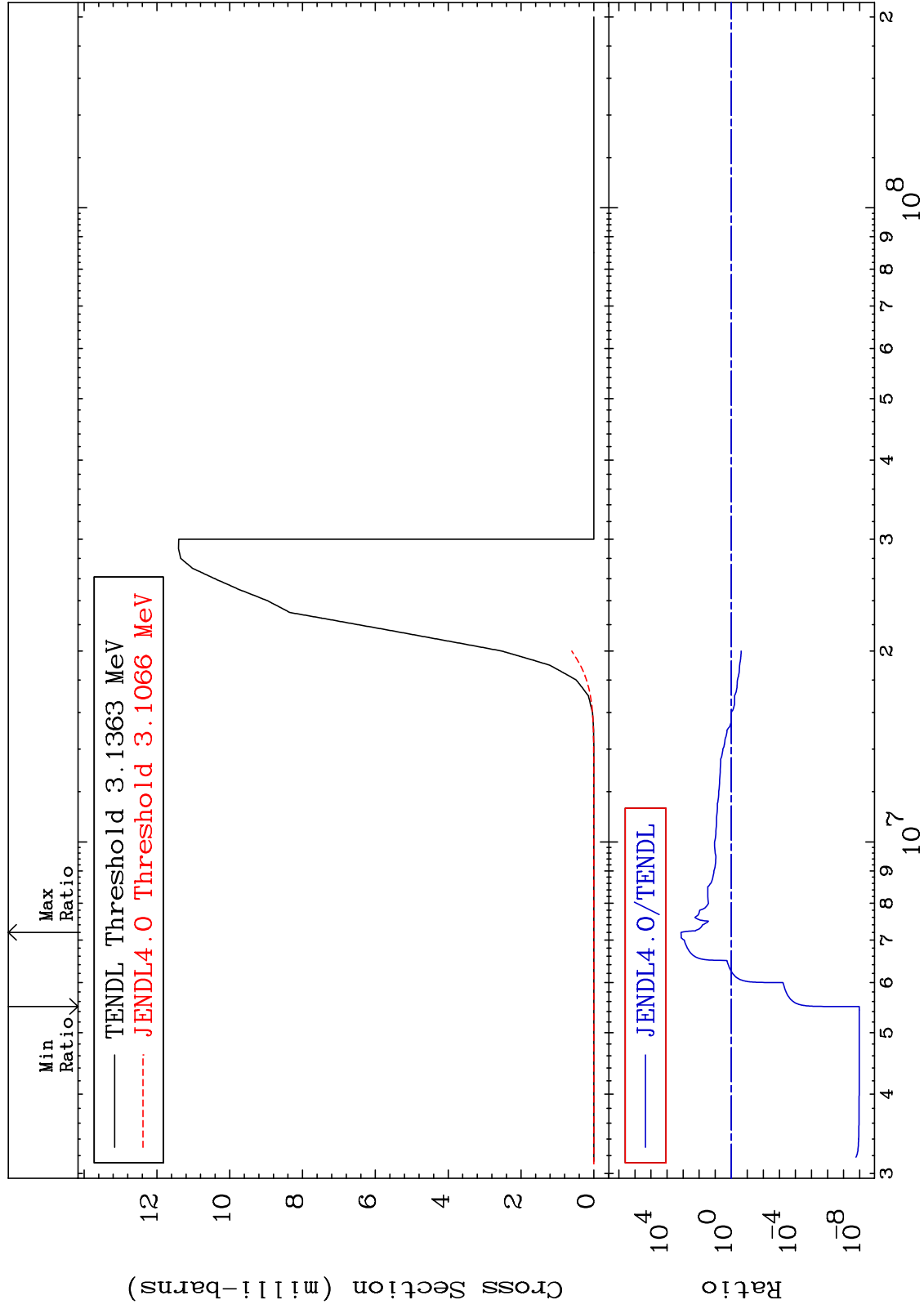
MAT 5537

(n,n')  $\alpha$

55-Cs-137

Cross Section

-100.0 To 9999. %



6

Incident Energy (eV)

55-Cs-137

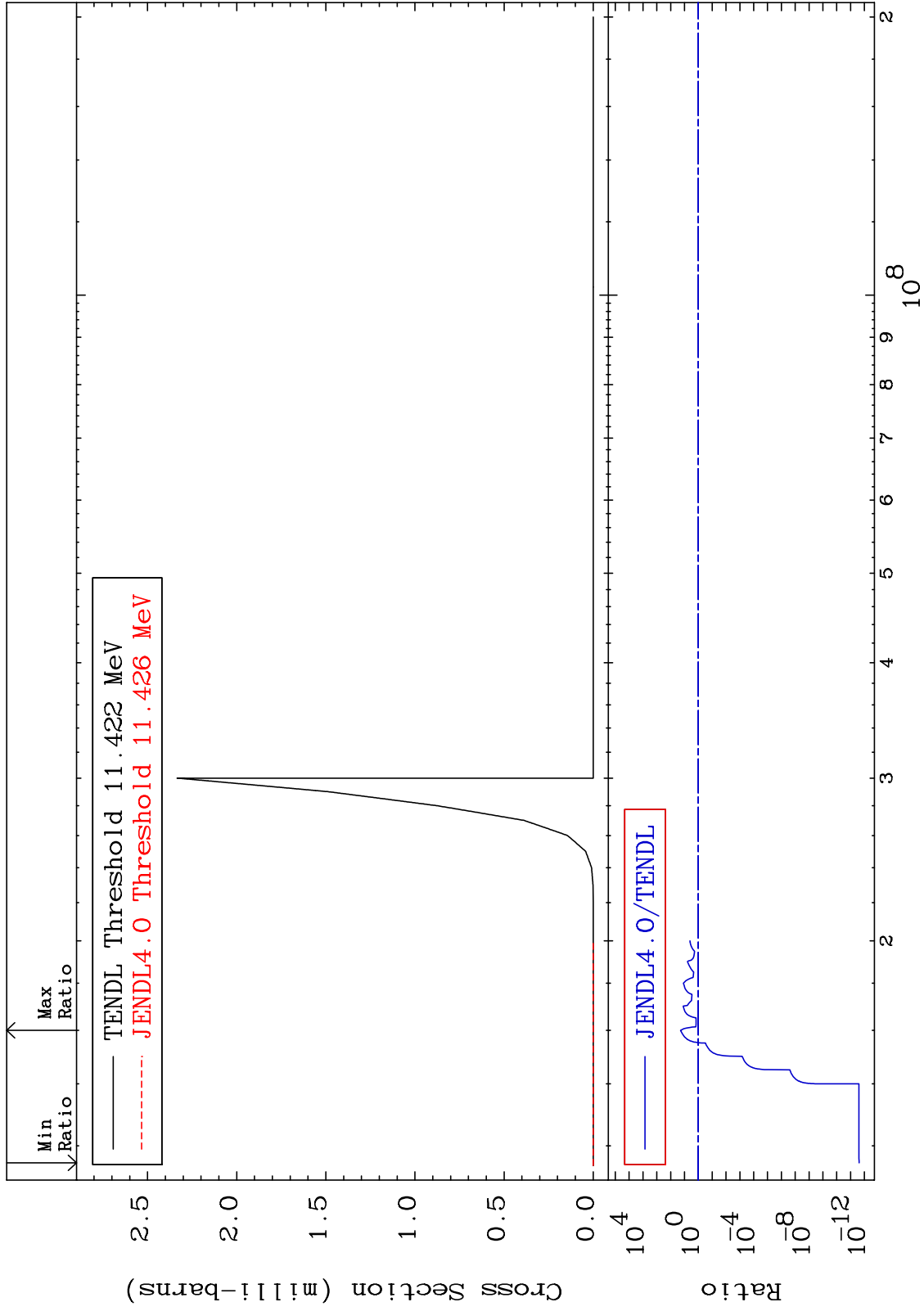
MAT 5537

(n,2n)  $\alpha$

55-Cs-137

Cross Section

-100.0 To 1795. %



55-Cs-137

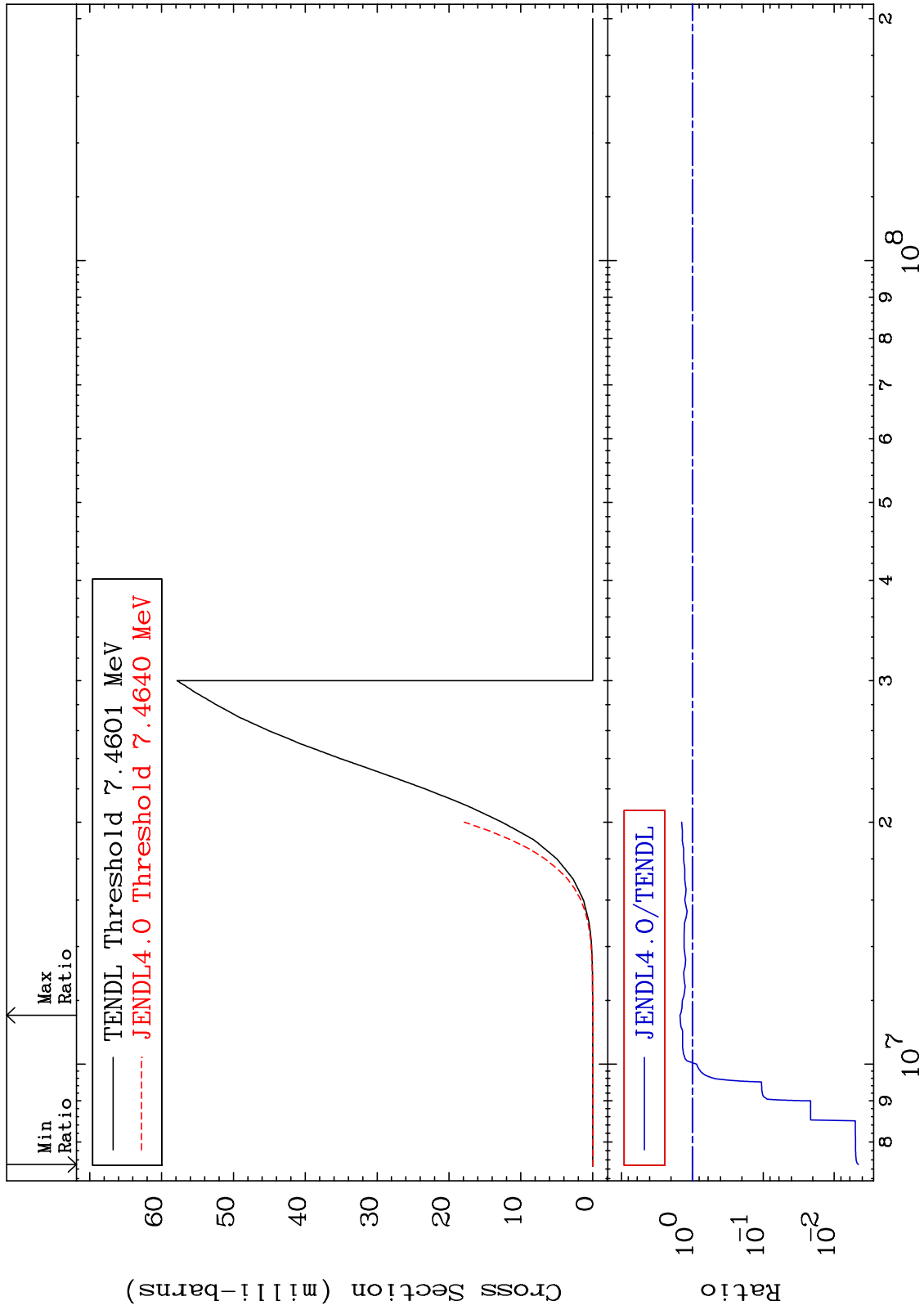
Incident Energy (eV)



MAT 5537

(n,n') p  
Cross Section

55-Cs-137  
-99.55 To 49.18 %



8

Incident Energy (eV)

55-Cs-137

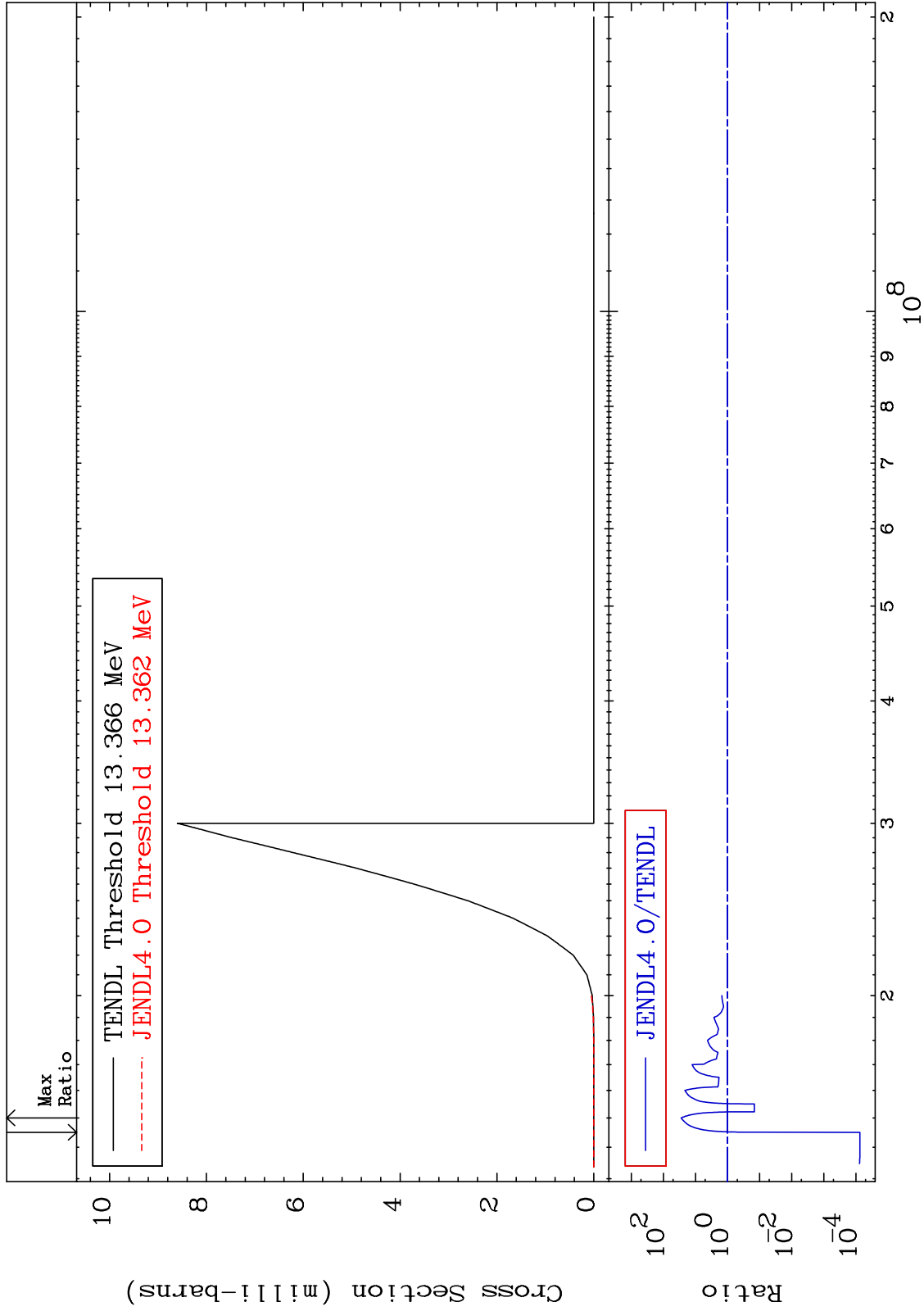
MAT 5537

(n,n') d

55-Cs-137

Cross Section

-99.99 To 2682. %



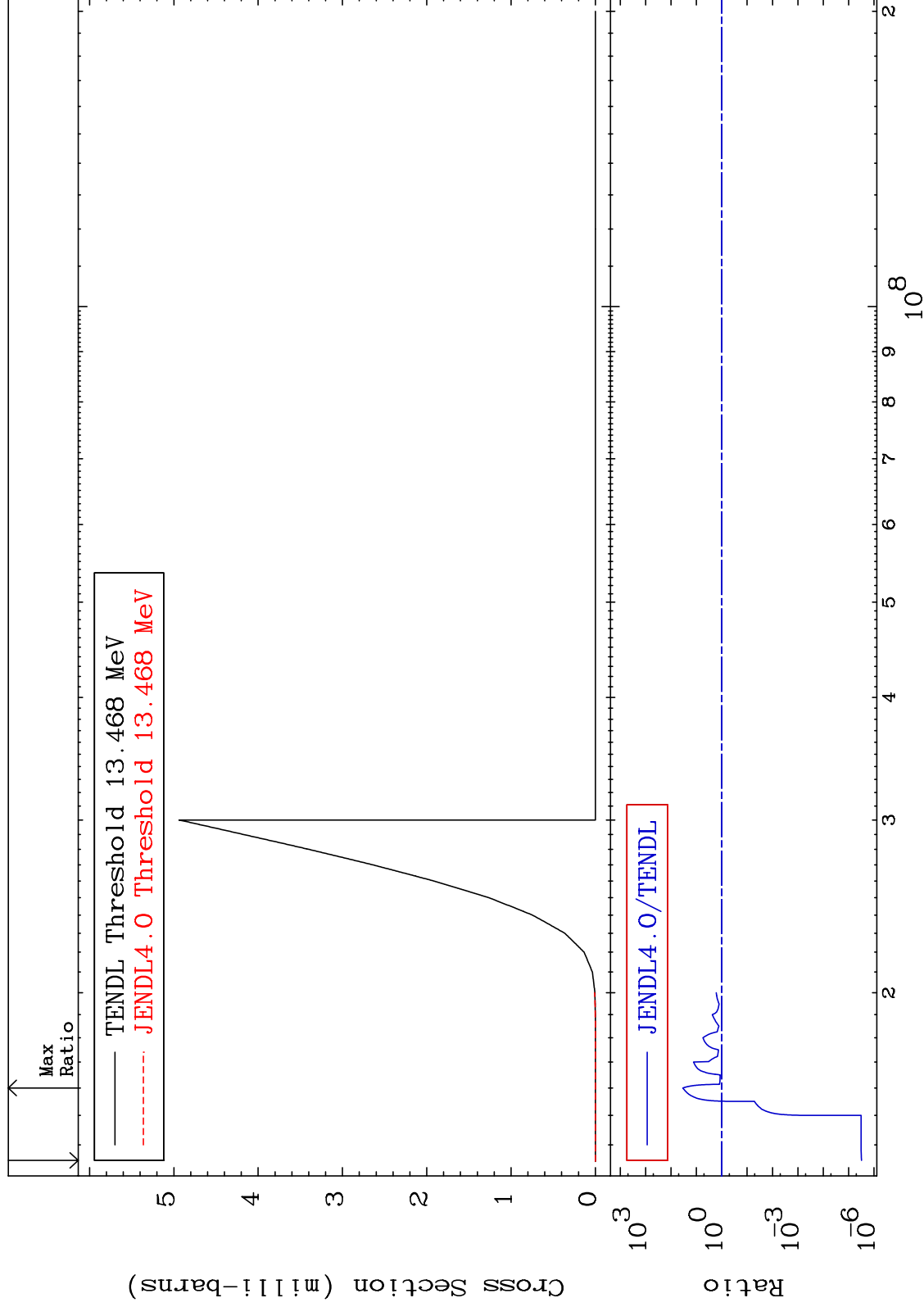
MAT 5537

(n,n') t

55-Cs-137

Cross Section

-100.0 To 3304. %

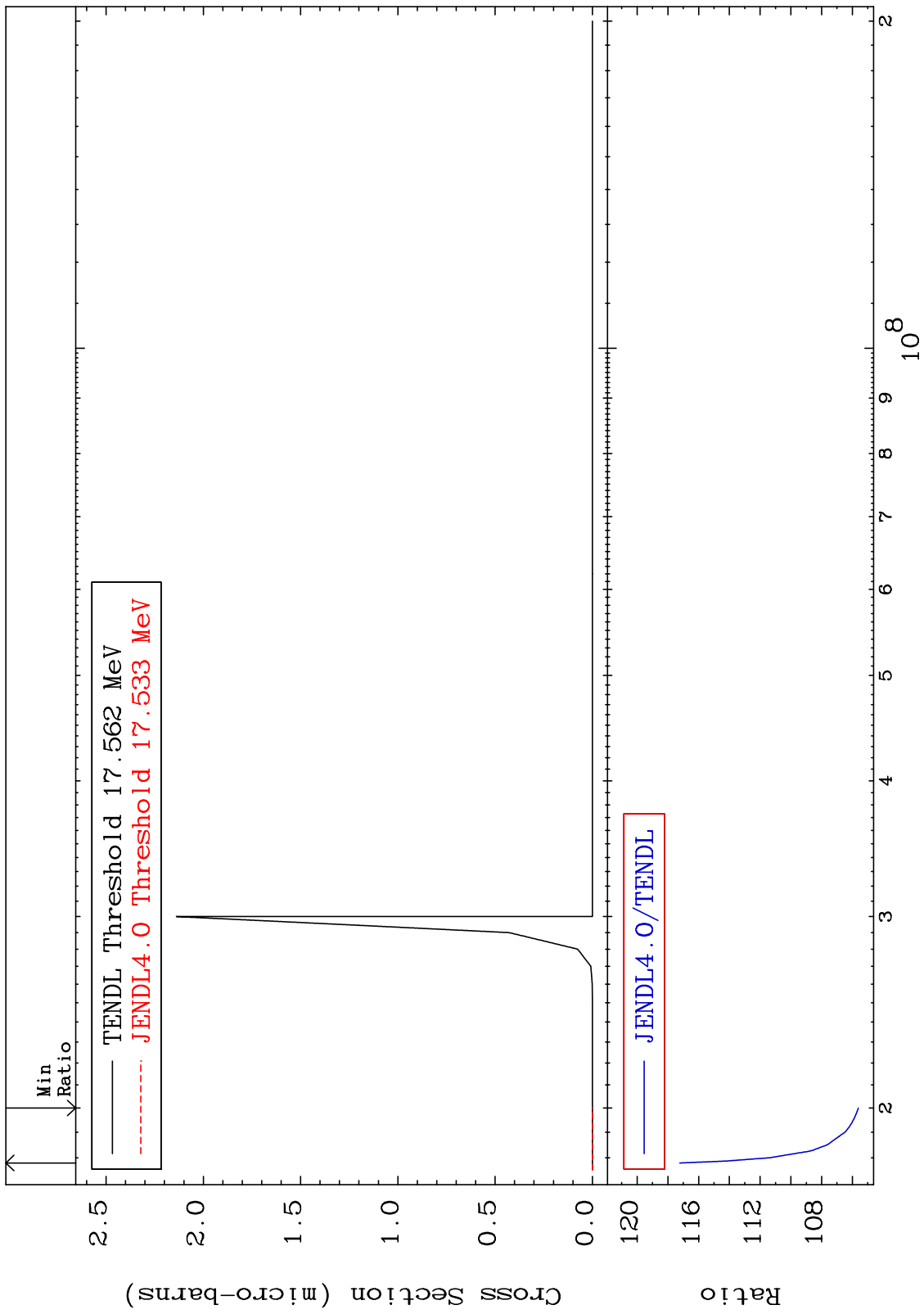


10

Incident Energy (eV)

55-Cs-137

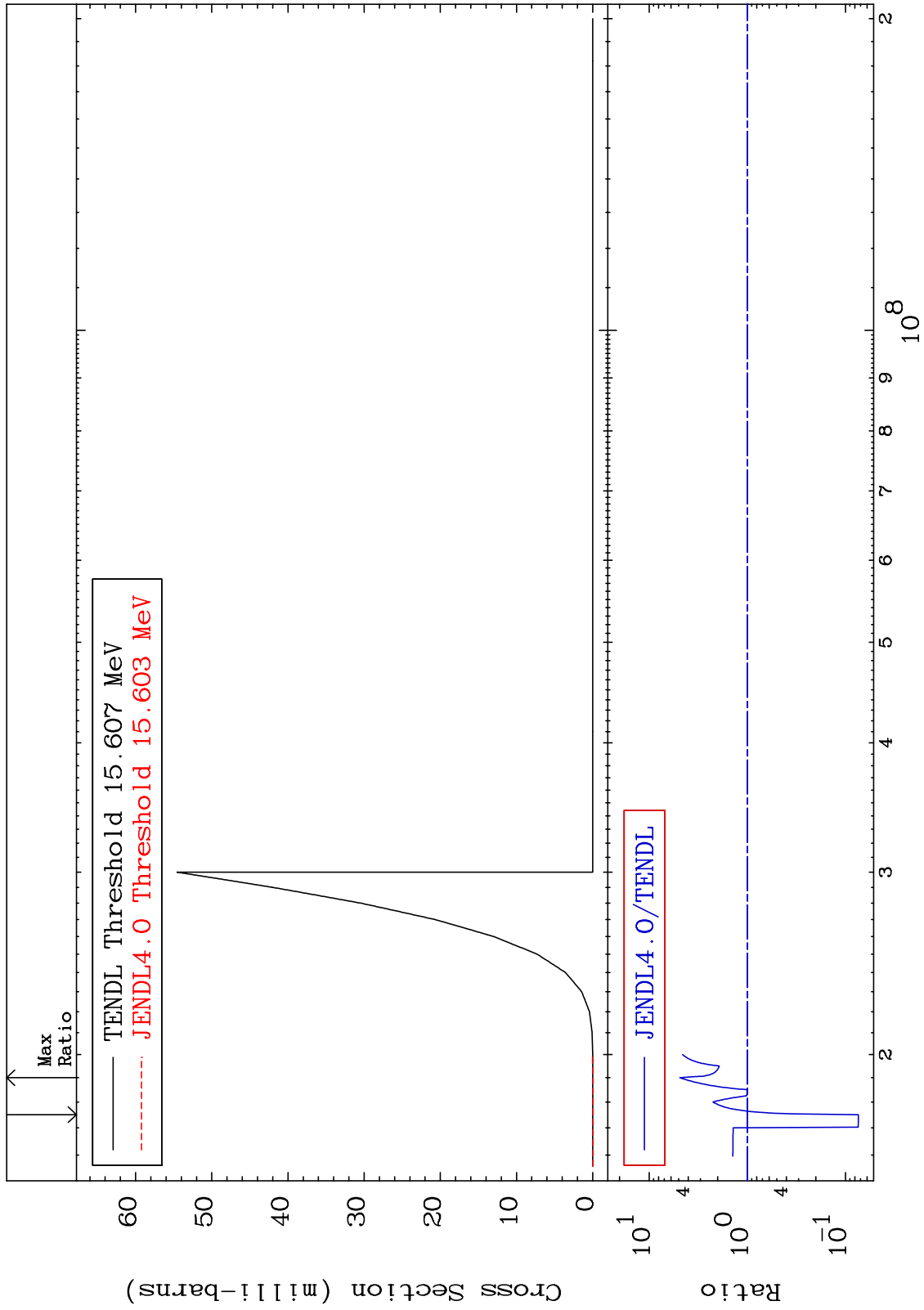
MAT 5537 (n,n') He-3 Cross Section 55-Cs-137 -100.0 To -100.0%



MAT 5537

(n,2n) p  
Cross Section

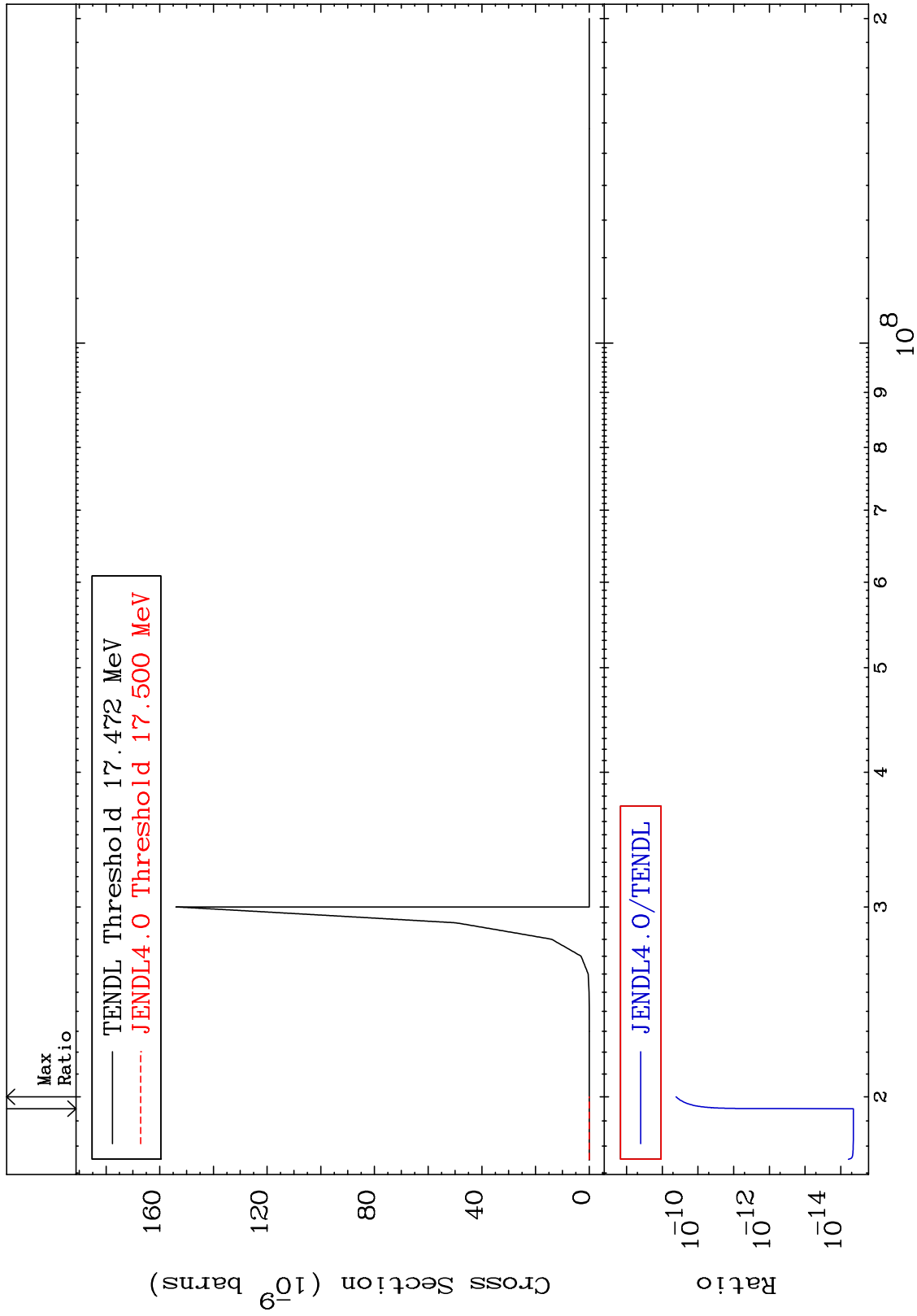
55-Cs-137  
-92.63 To 384.7 %



MAT 5537

(n,2n) p  
Cross Section

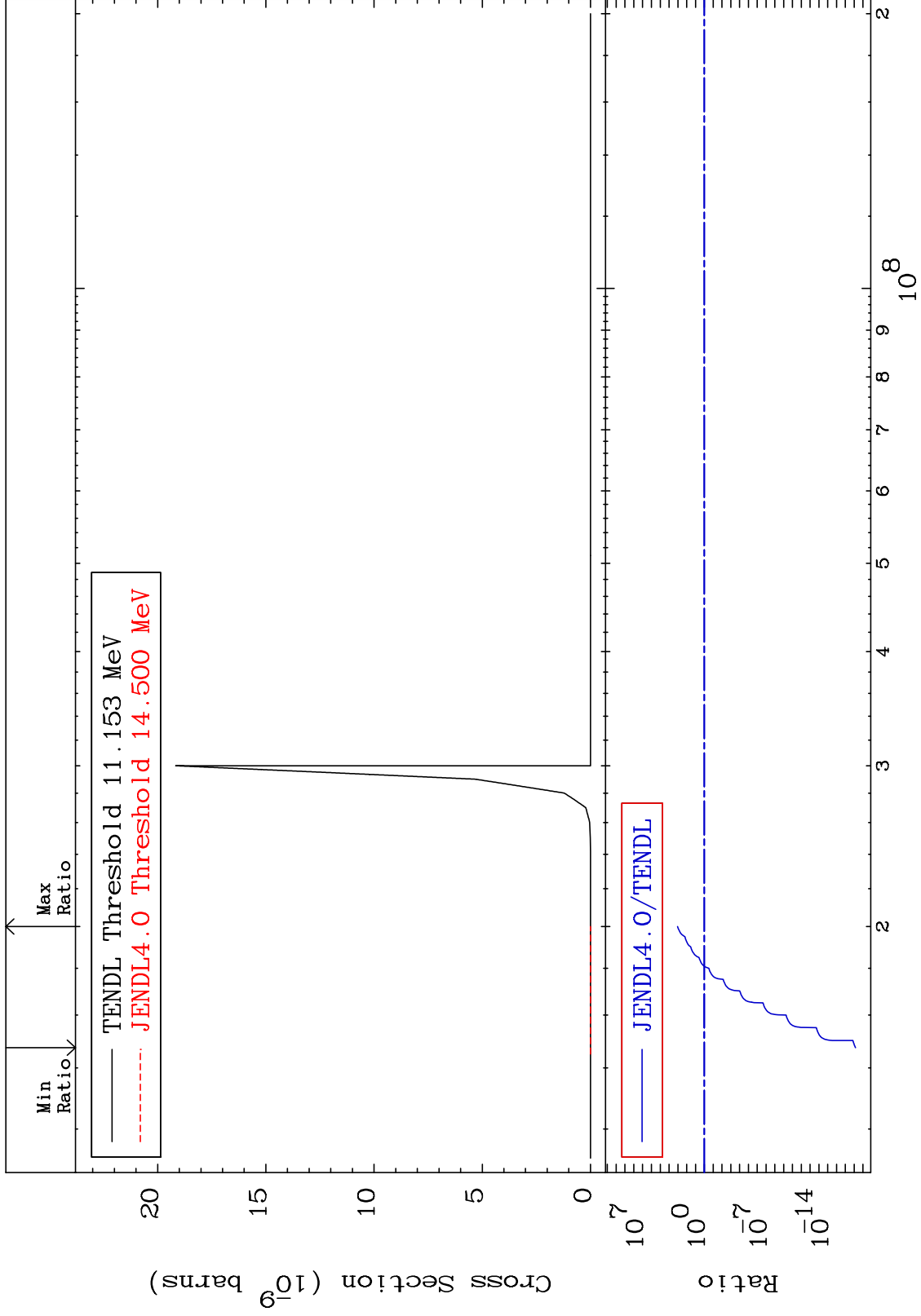
55-Cs-137  
-100.0 To -100.0%



MAT 5537

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

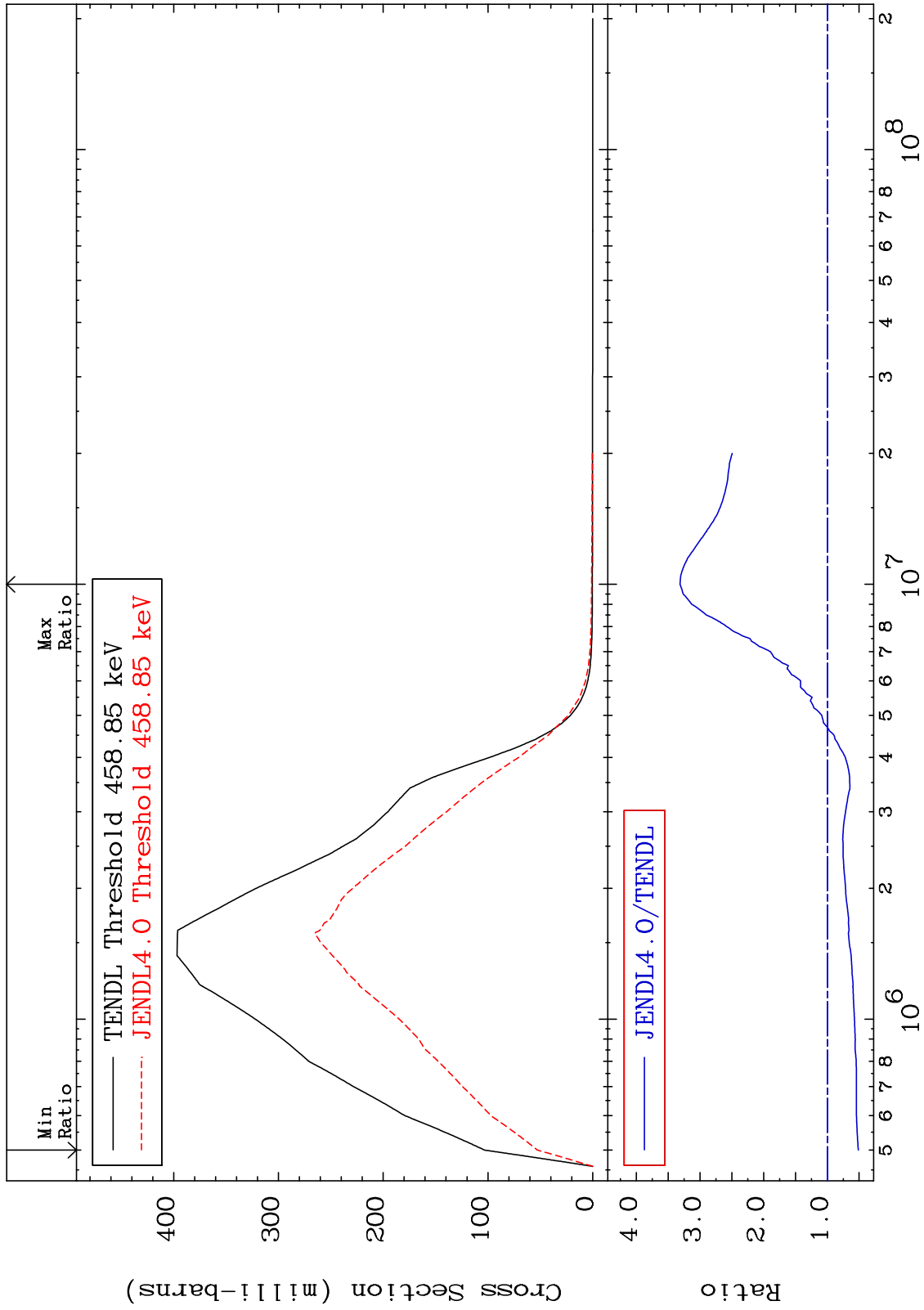
55-Cs-137  
-100.0 To 9999. %



MAT 5537

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

55-Cs-137  
-48.88 To 231.5 %



15

Incident Energy (eV)

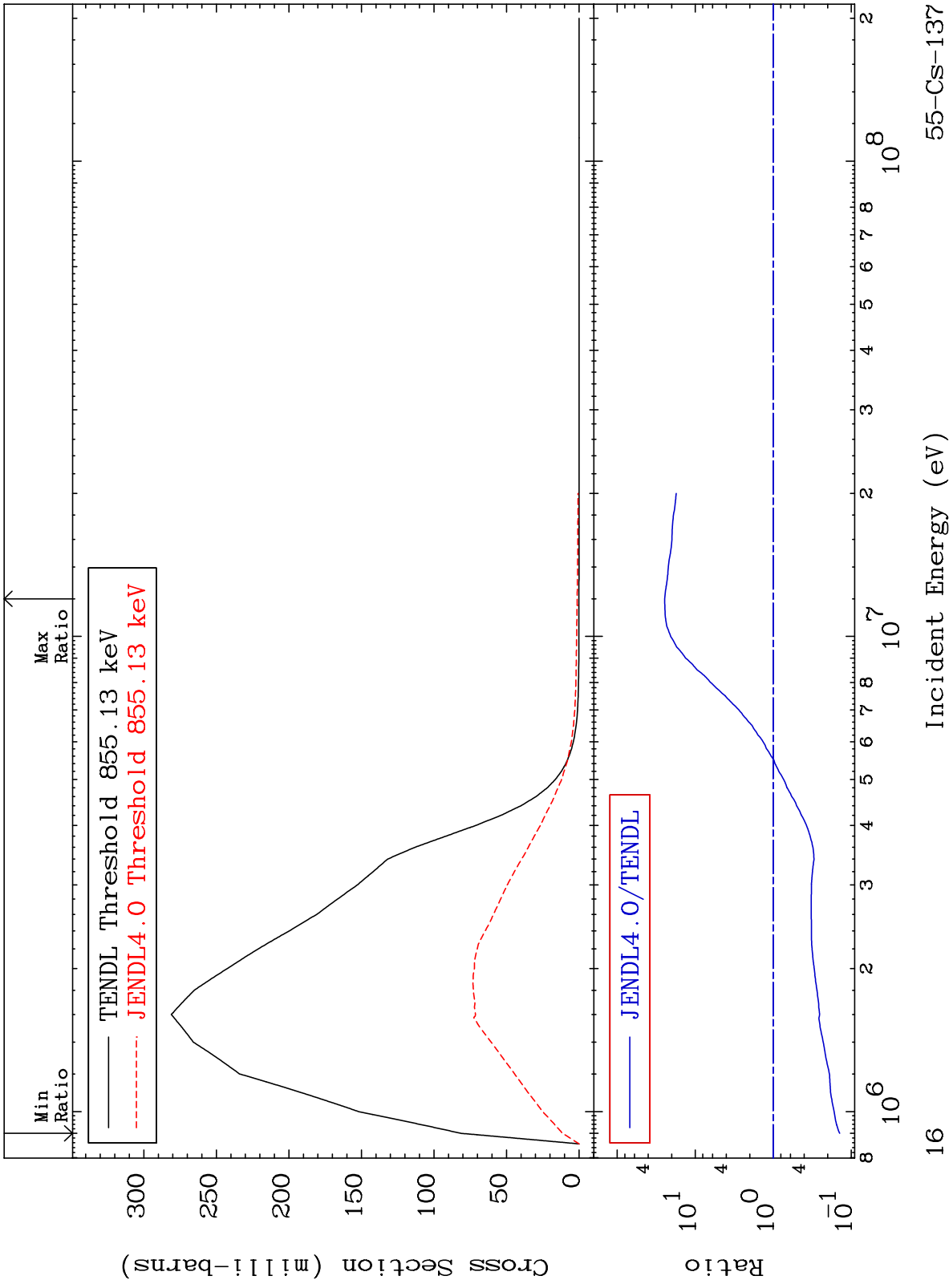
55-Cs-137



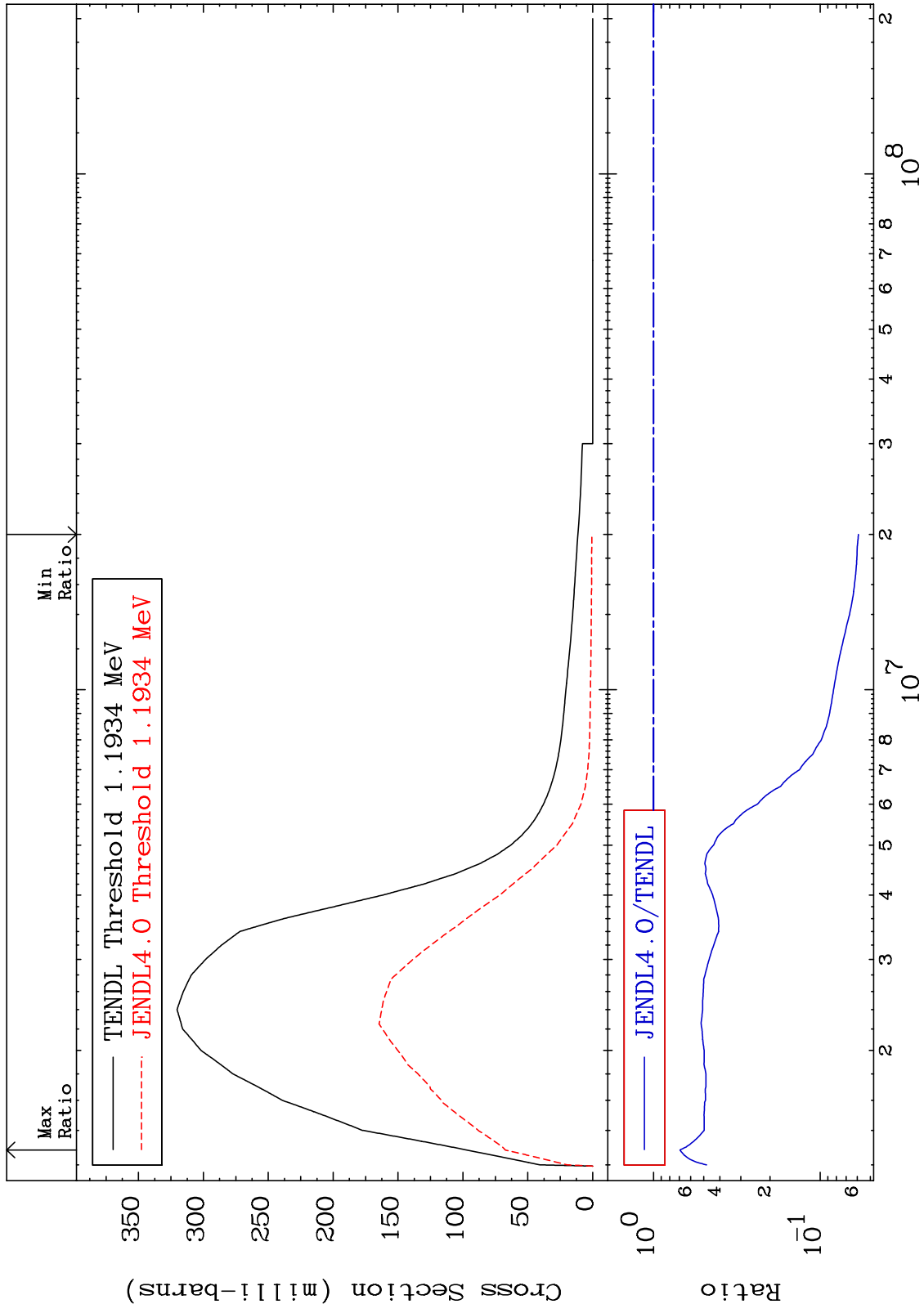
MAT 5537

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

55-Cs-137  
-85.97 To 2361. %



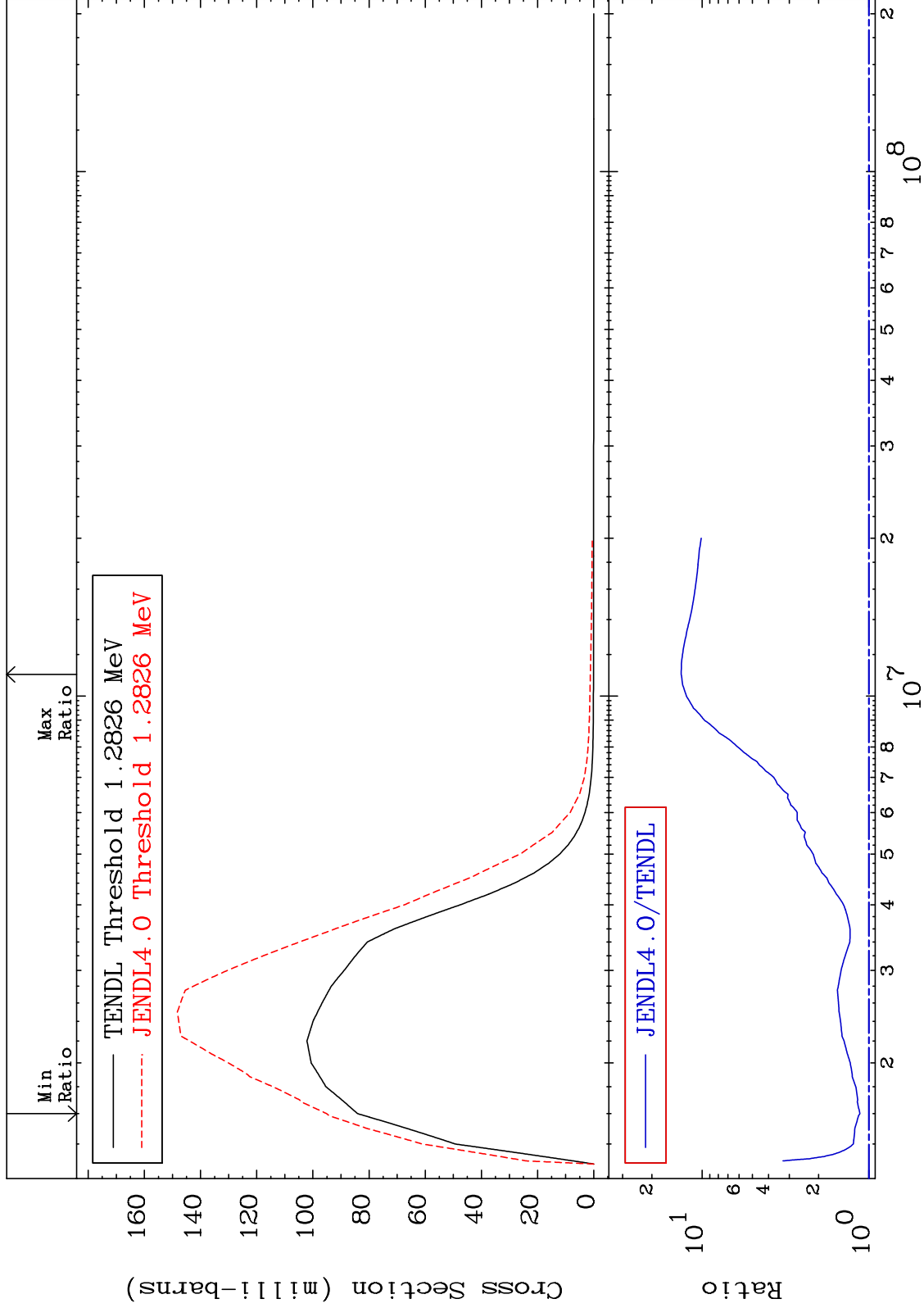
MAT 5537 MT= 53 (n,n') Level Cross Section 55-Cs-137 -94.10 To -30.60%



MAT 5537

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

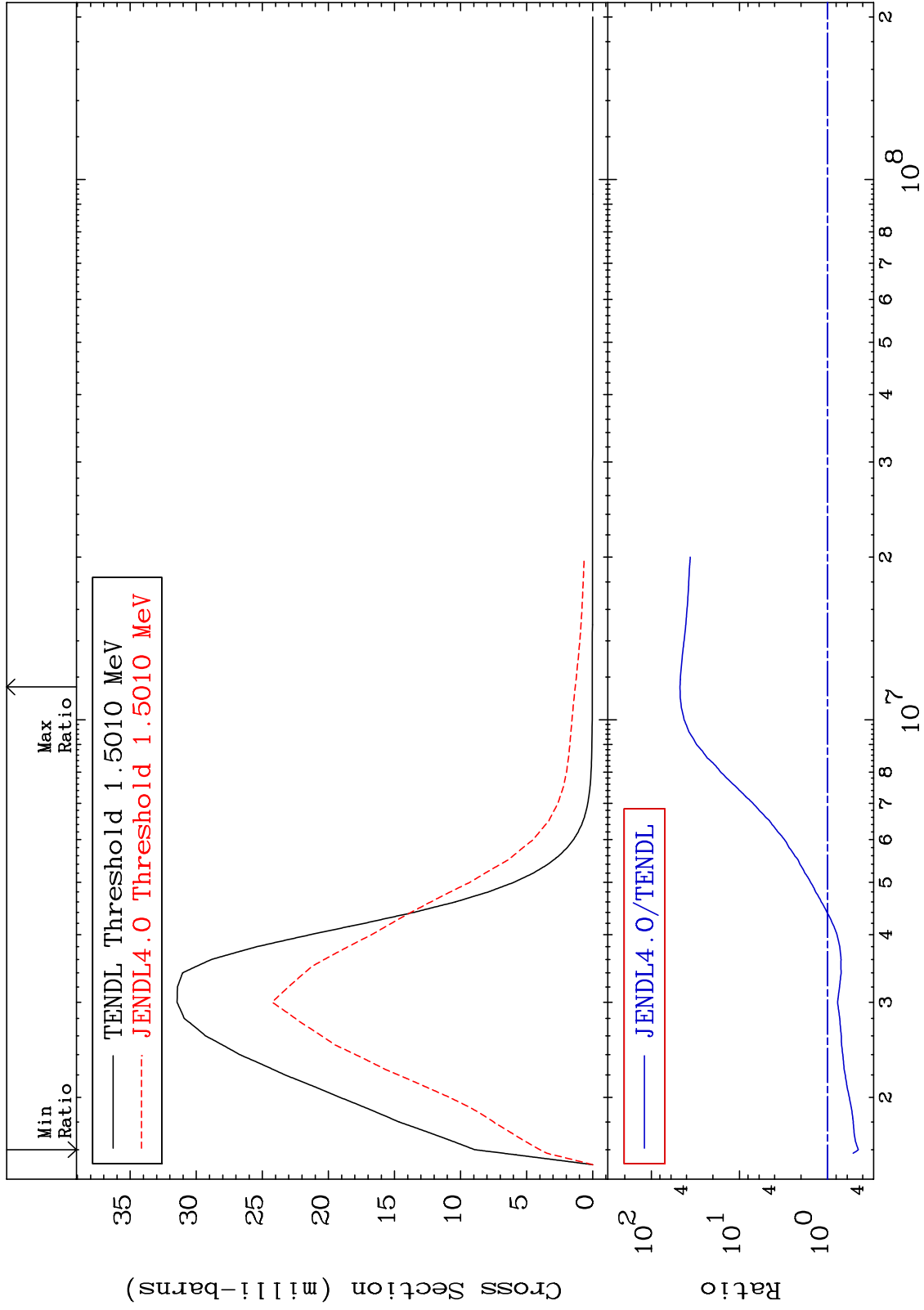
55-Cs-137  
13.11 To 1235. %



MAT 5537

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

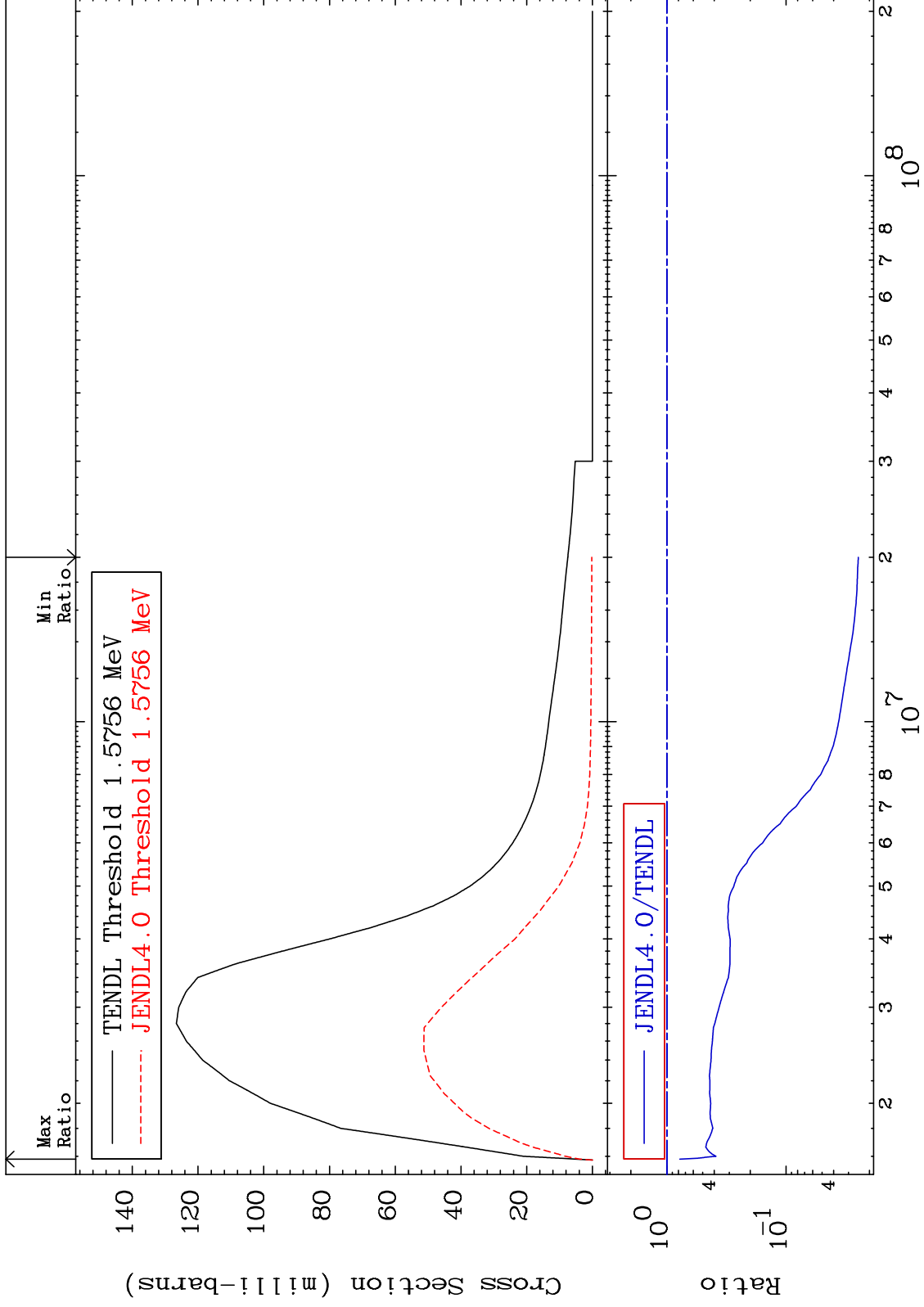
55-Cs-137  
-55.26 To 4631. %



MAT 5537

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

55-Cs-137  
-97.52 To -22.16%



20

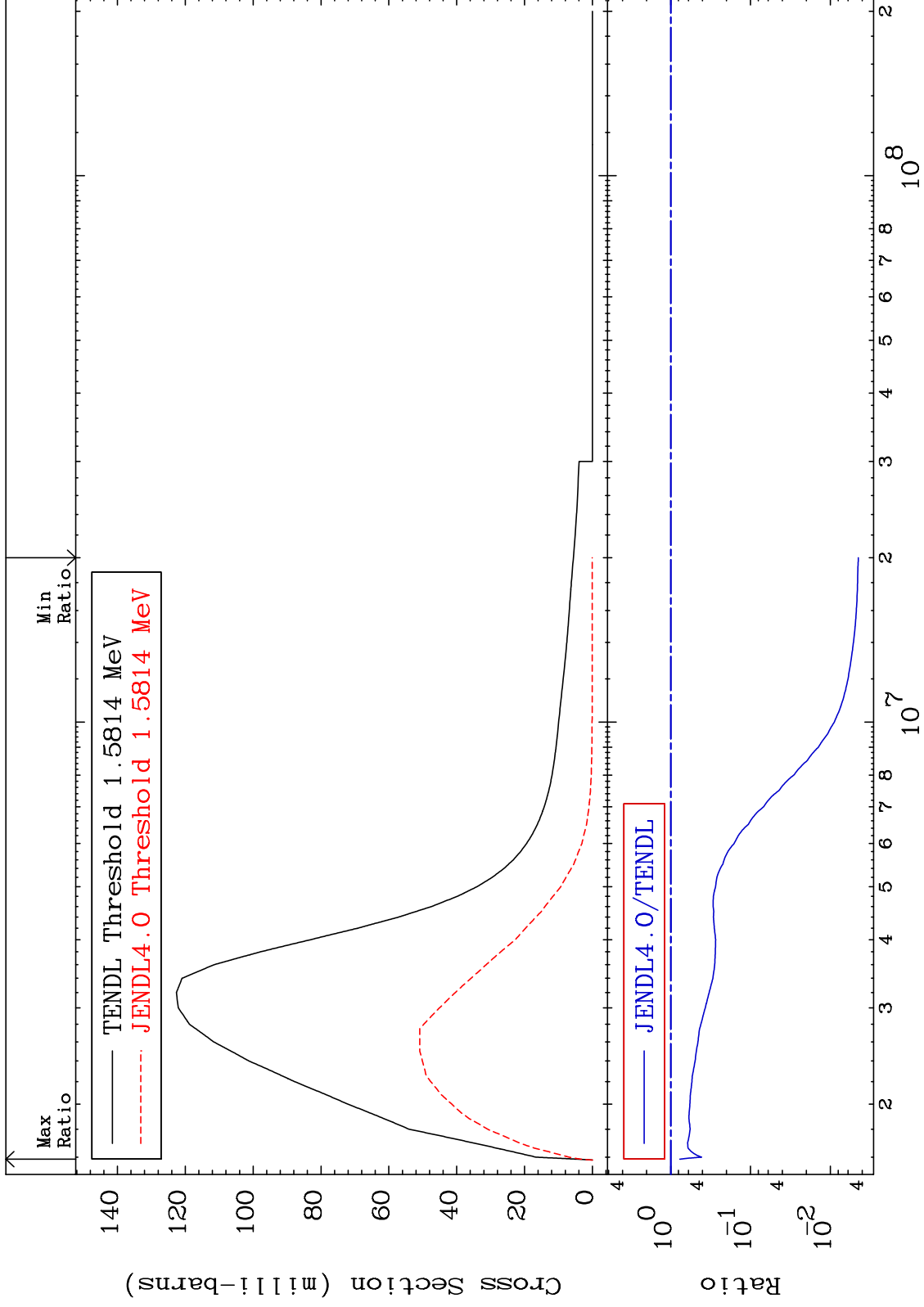
Incident Energy (eV)

55-Cs-137

MAT 5537

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

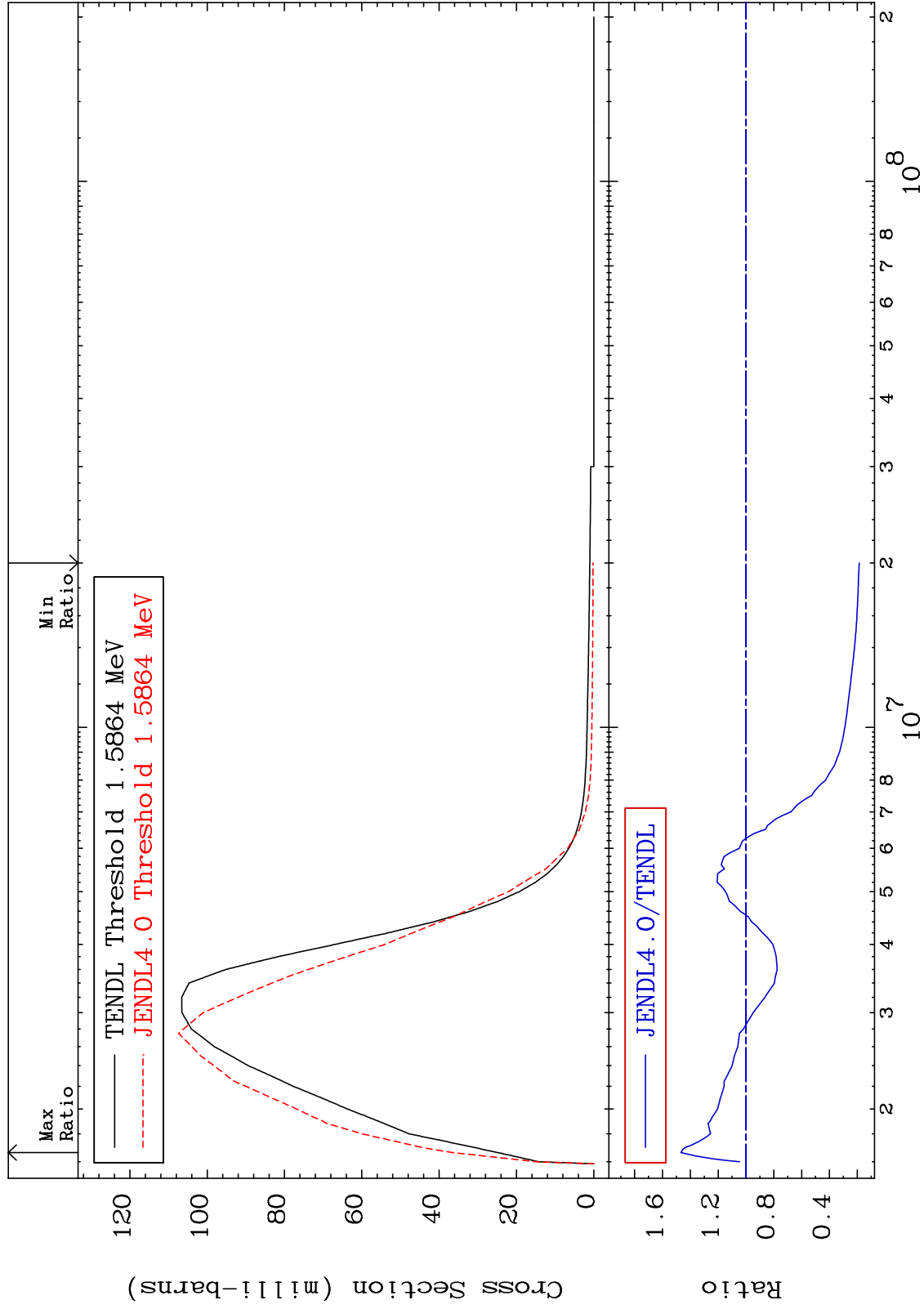
55-Cs-137  
-99.55 To -23.10%



MAT 5537

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

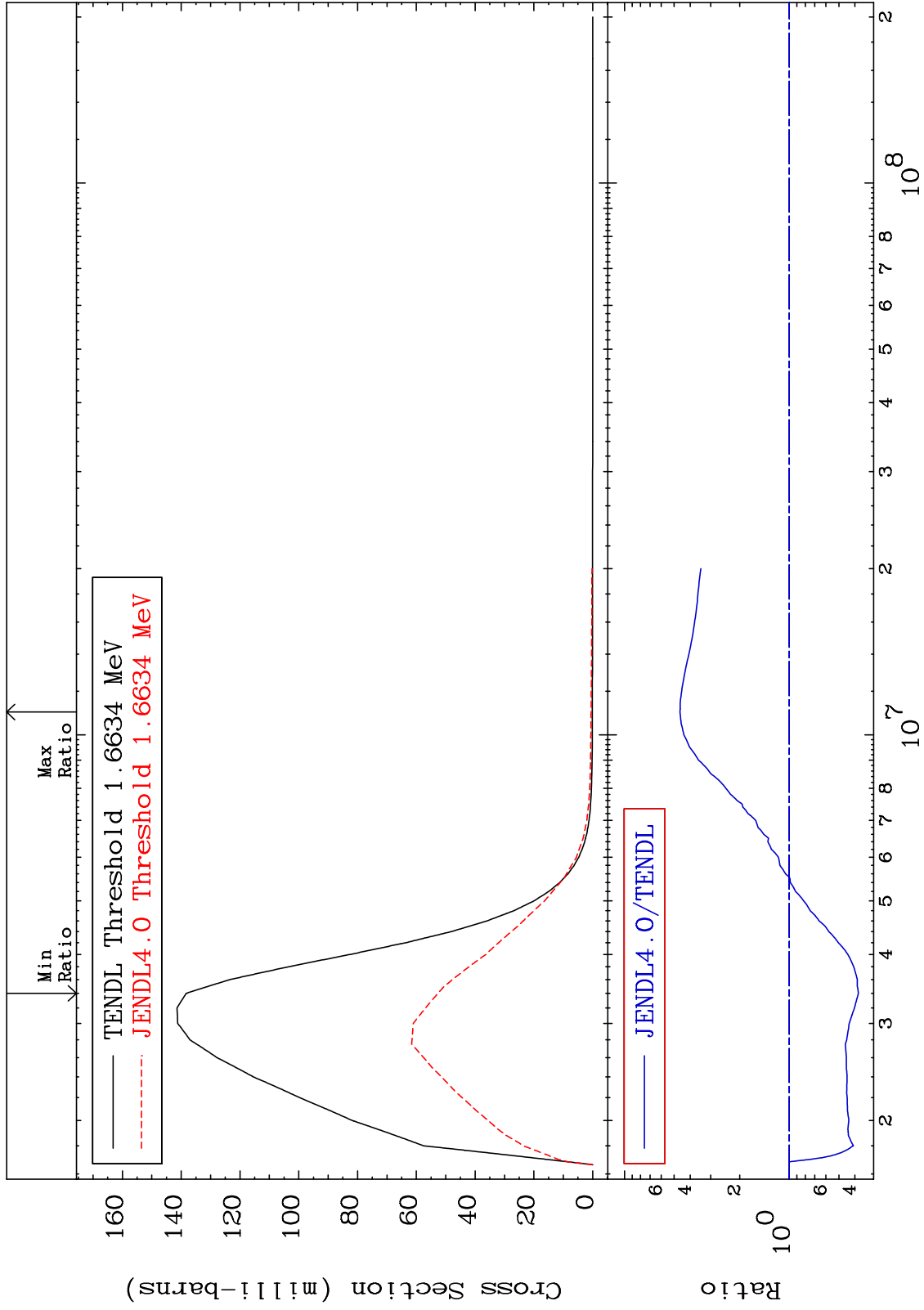
55-Cs-137  
-81.45 To 46.66 %



MAT 5537

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

55-Cs-137  
-61.94 To 360.6 %

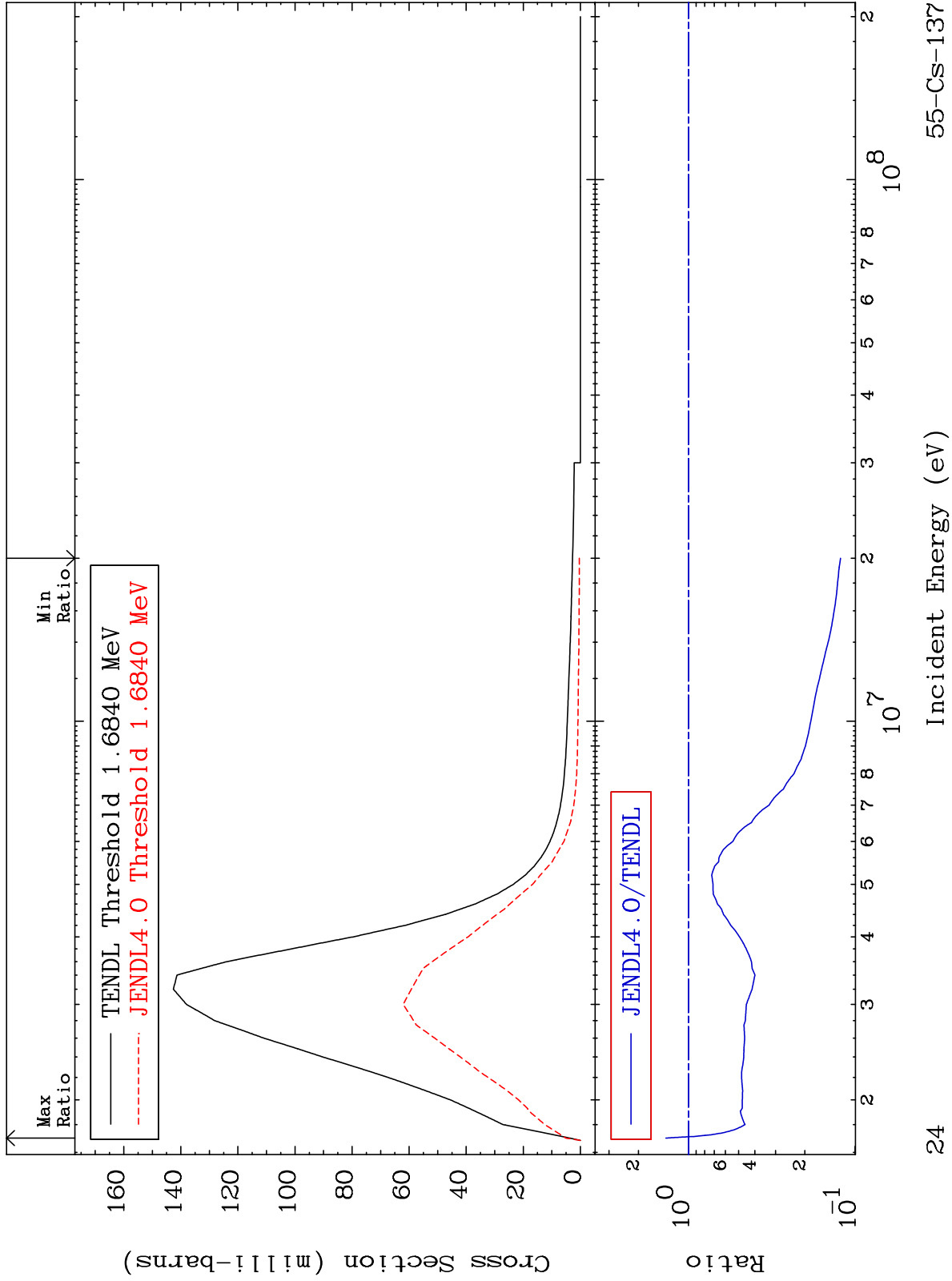




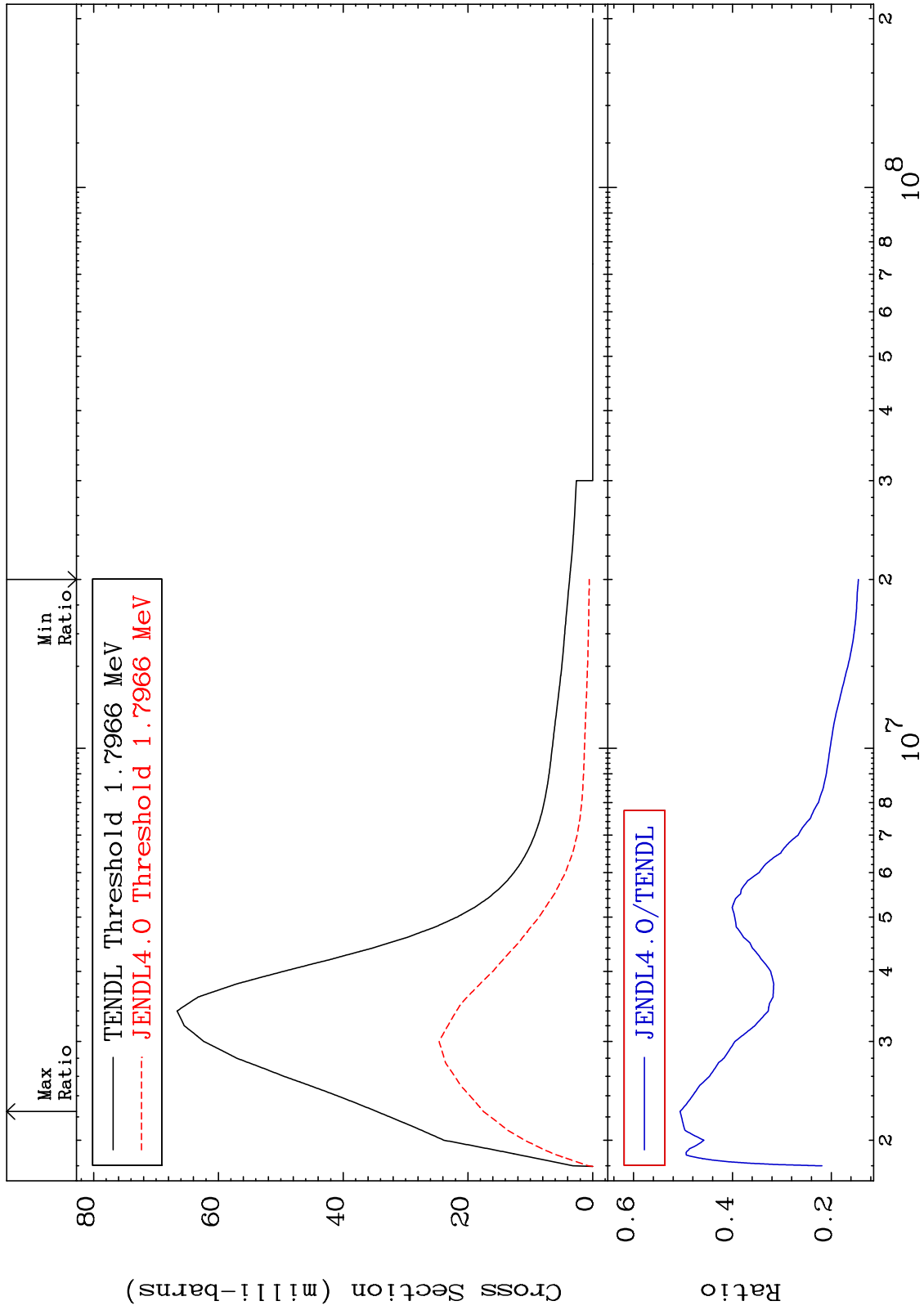
MAT 5537

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

55-Cs-137  
-87.78 To 36.80 %



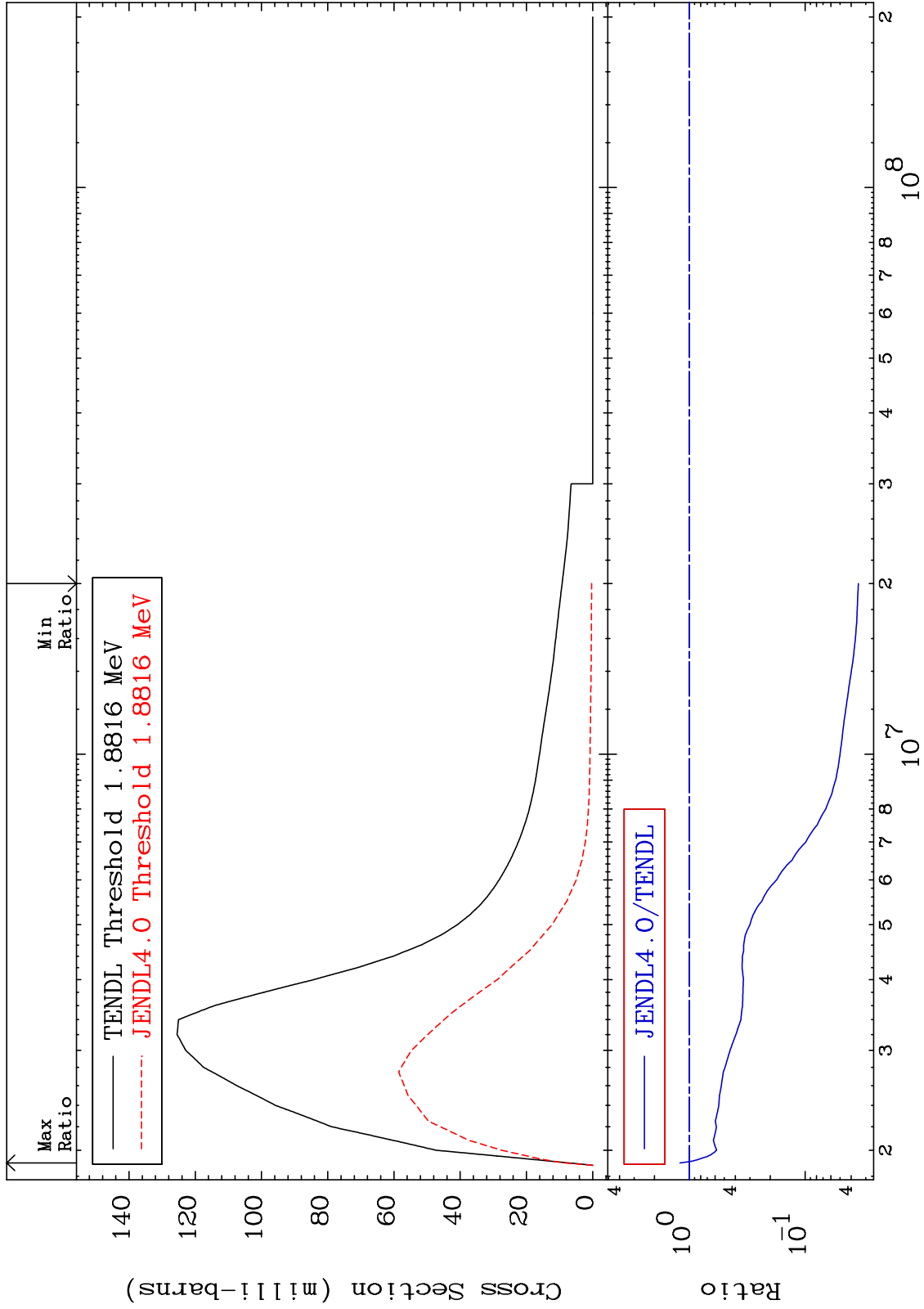
MAT 5537 MT= 61 (n,n') Level Cross Section 55-Cs-137 -85.49 To -49.40%



MAT 5537

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

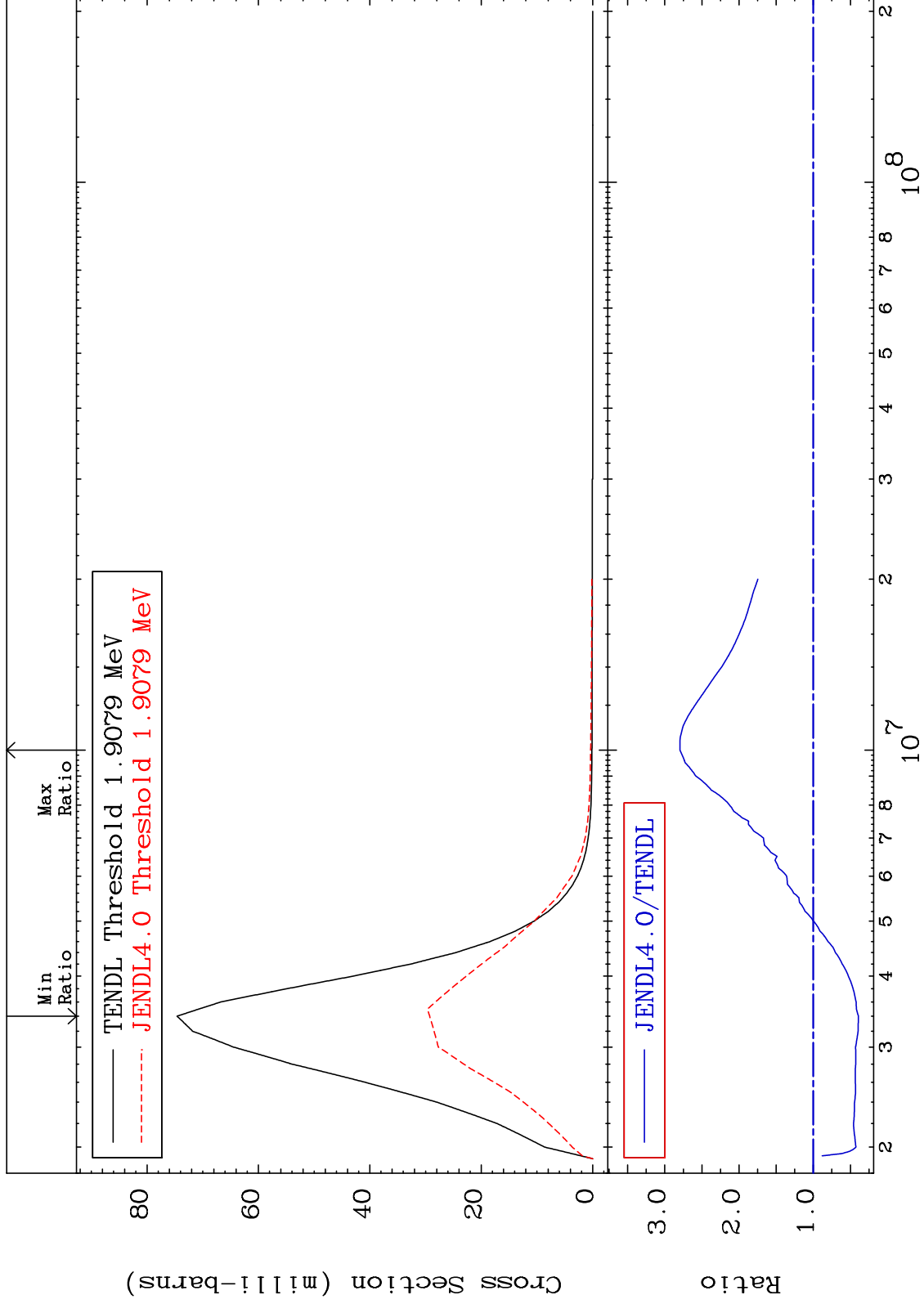
55-Cs-137  
-96.53 To 20.41 %



MAT 5537

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

55-Cs-137  
-60.78 To 179.5 %



27

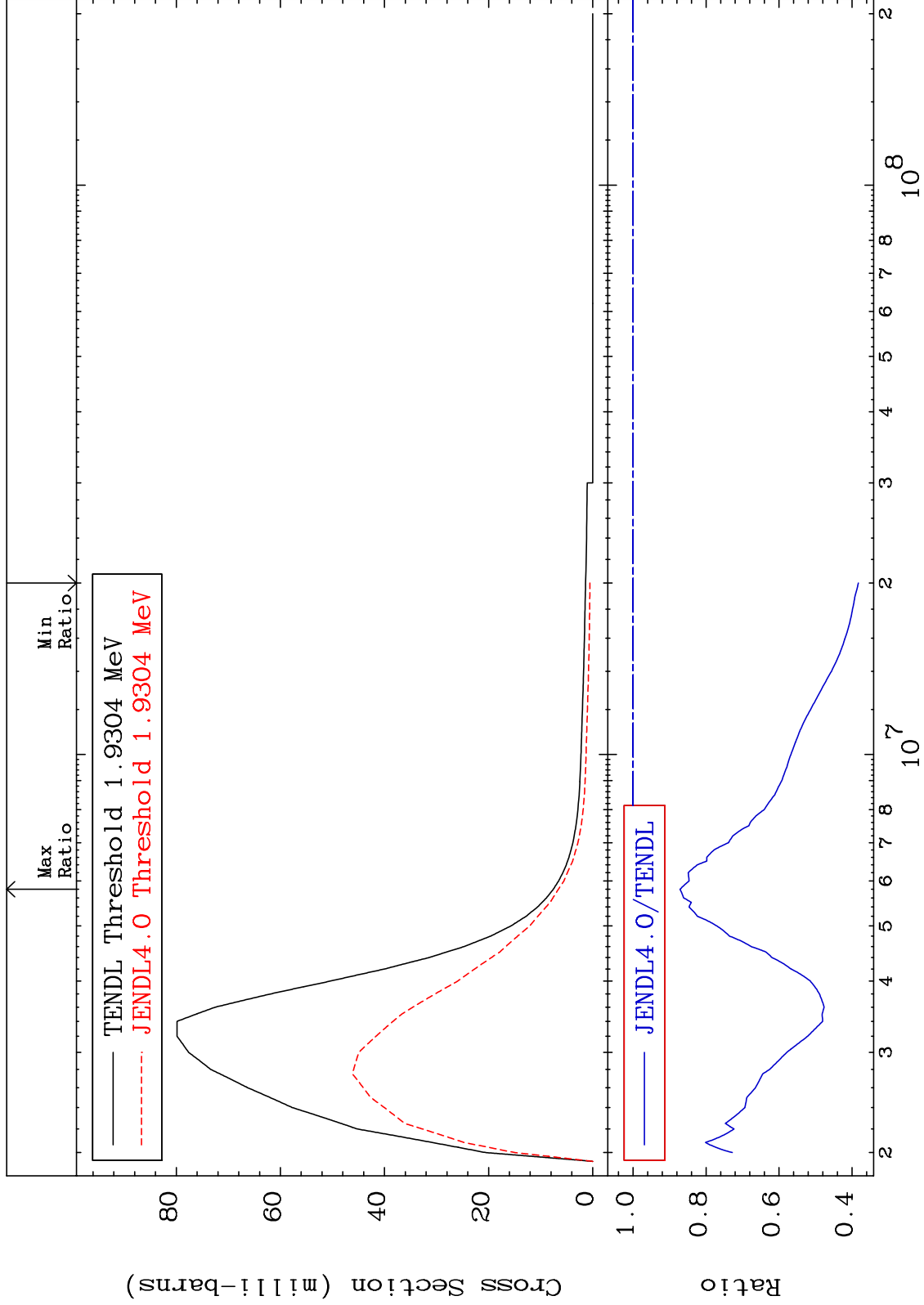
Incident Energy (eV)

55-Cs-137

MAT 5537

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

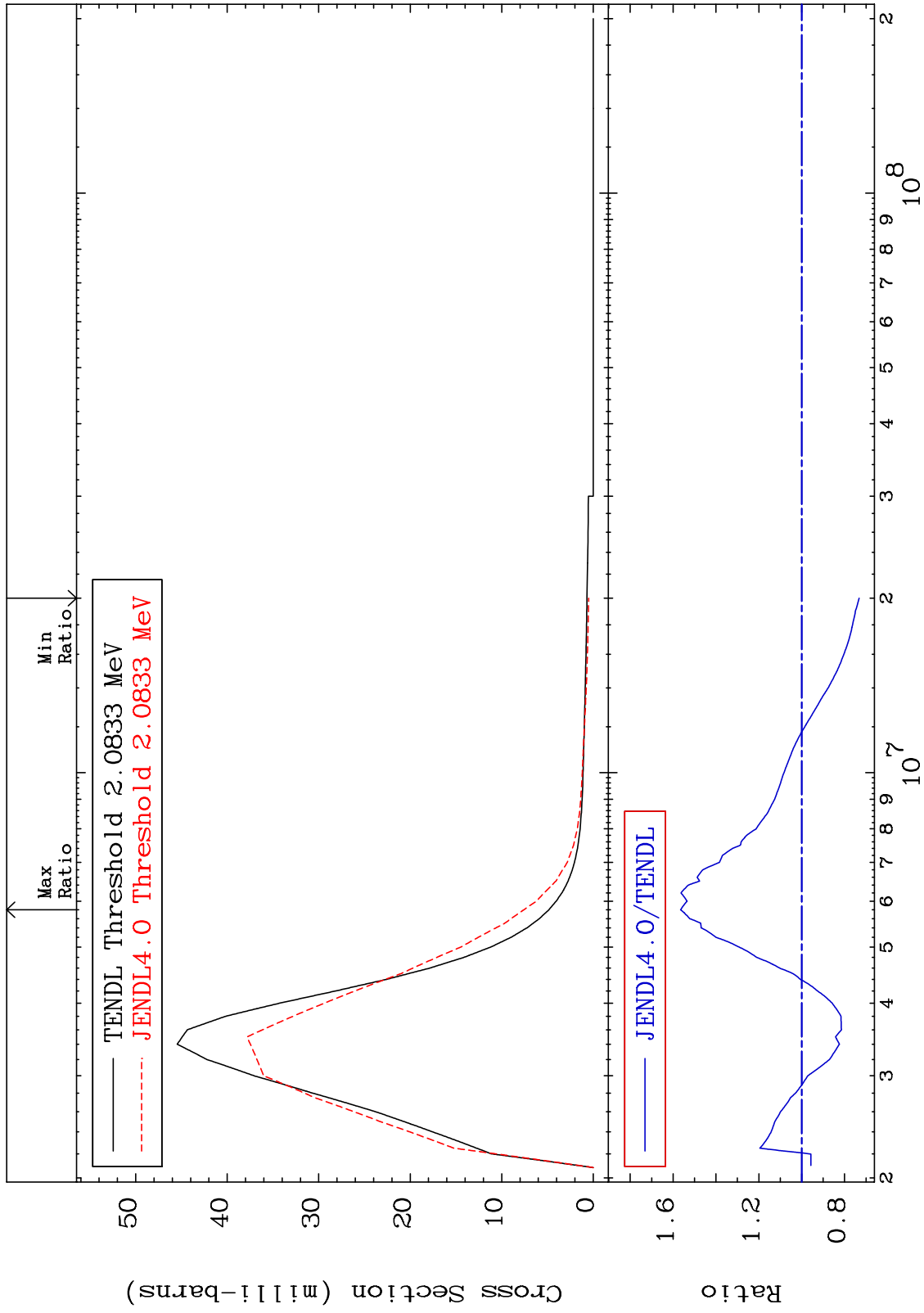
55-Cs-137  
-61.76 To -12.87%



MAT 5537

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

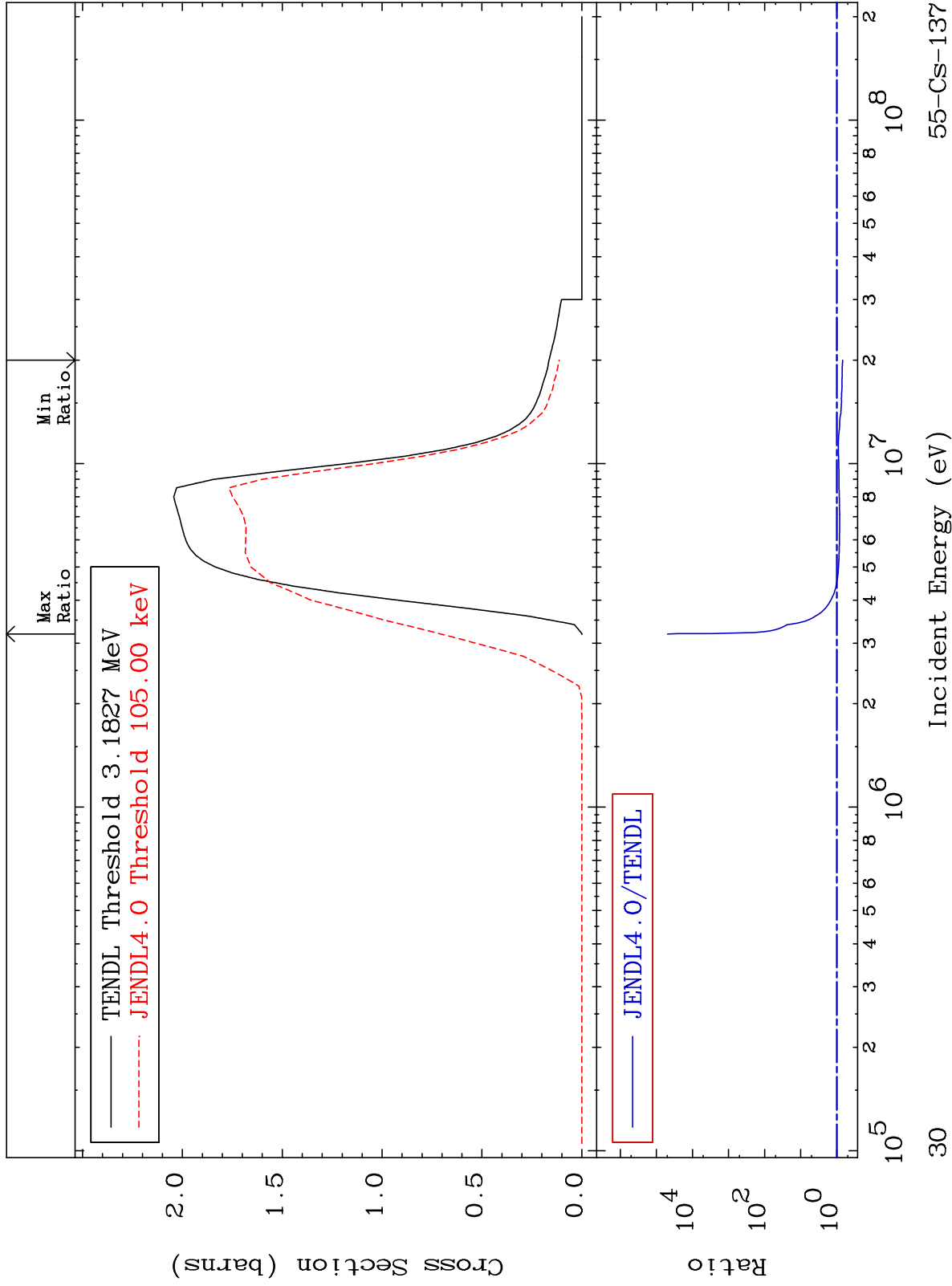
55-Cs-137  
-26.81 To 56.49 %



MAT 5537

(n,n') Continuum  
Cross Section

55-Cs-137  
-31.00 To 9999. %

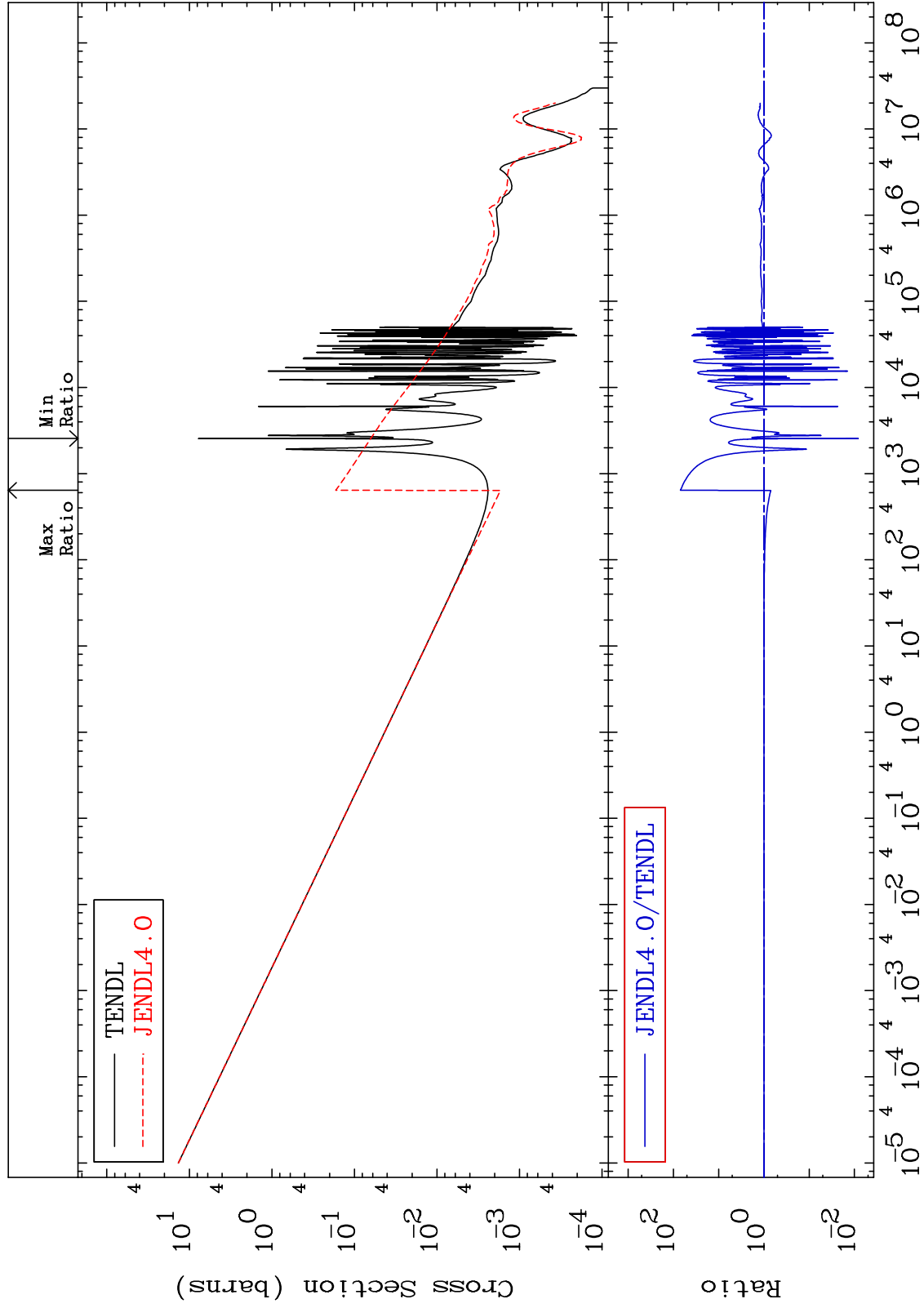


30

MAT 5537

(n,  $\gamma$ )  
Cross Section

55-Cs-137  
-99.19 To 6864. %





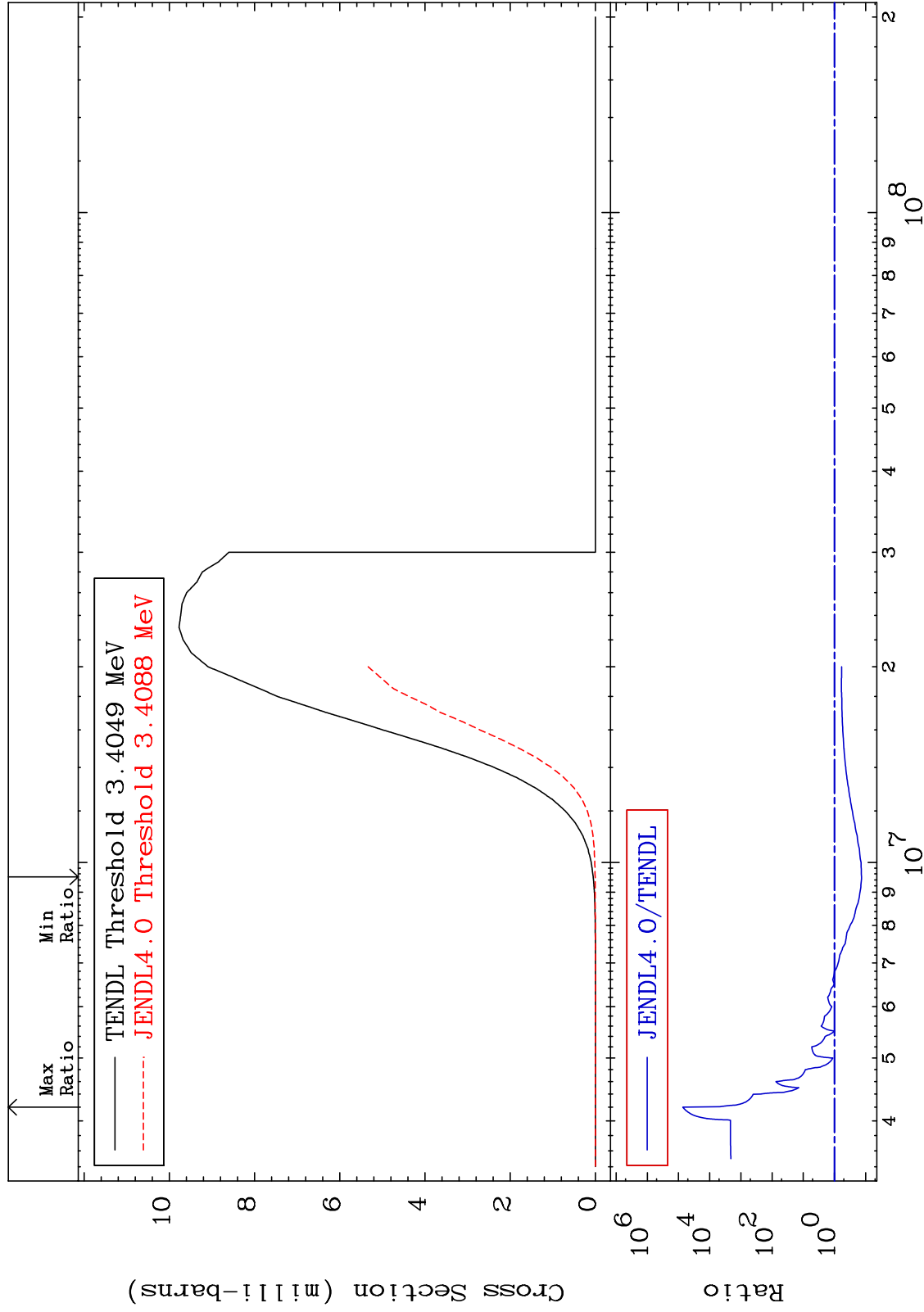
MAT 5537

(n,p)

55-Cs-137

Cross Section

-86.46 To 9999. %



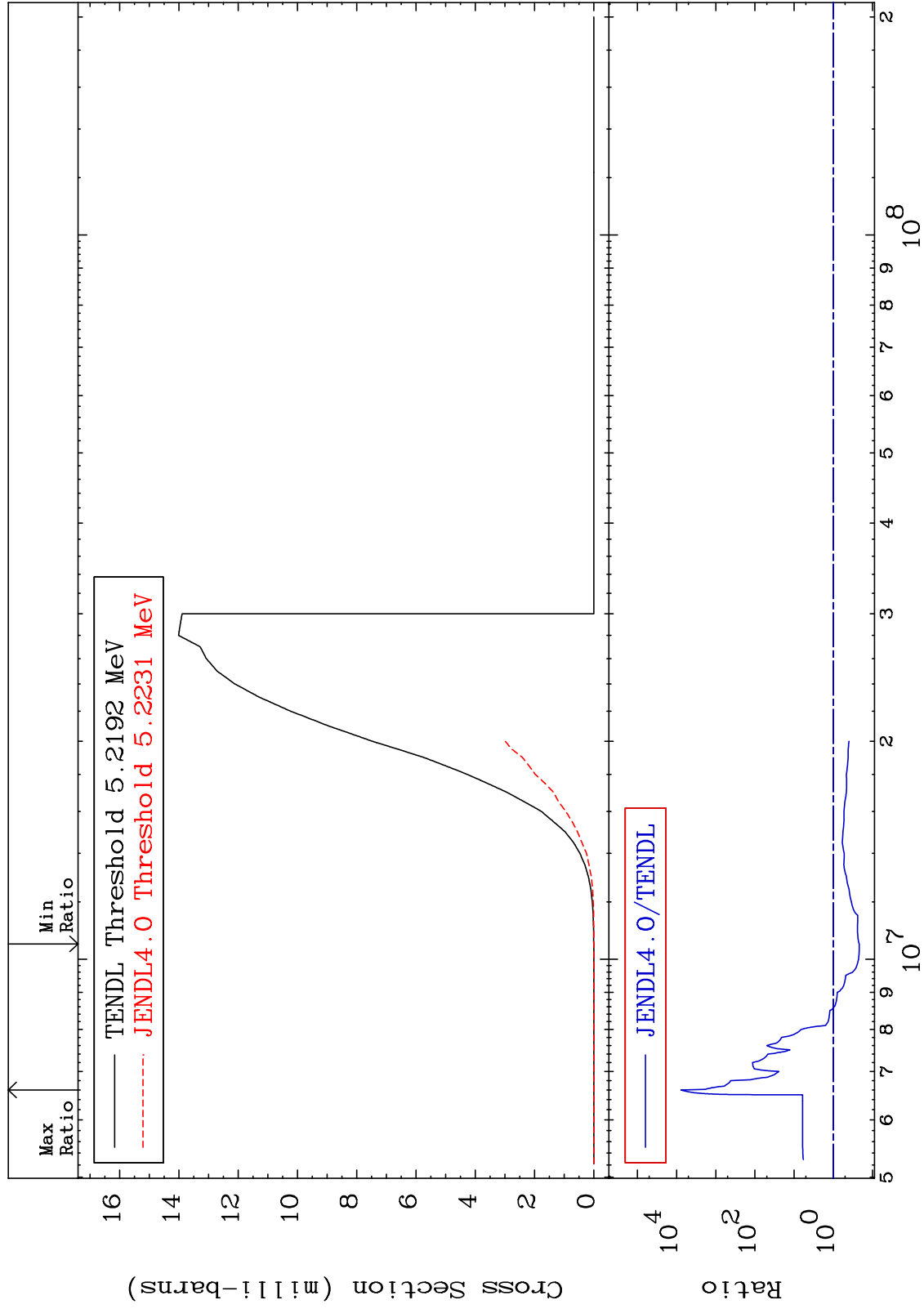
MAT 5537

(n,d)

55-Cs-137

Cross Section

-78.25 To 9999. %



Incident Energy (eV)

55-Cs-137

33

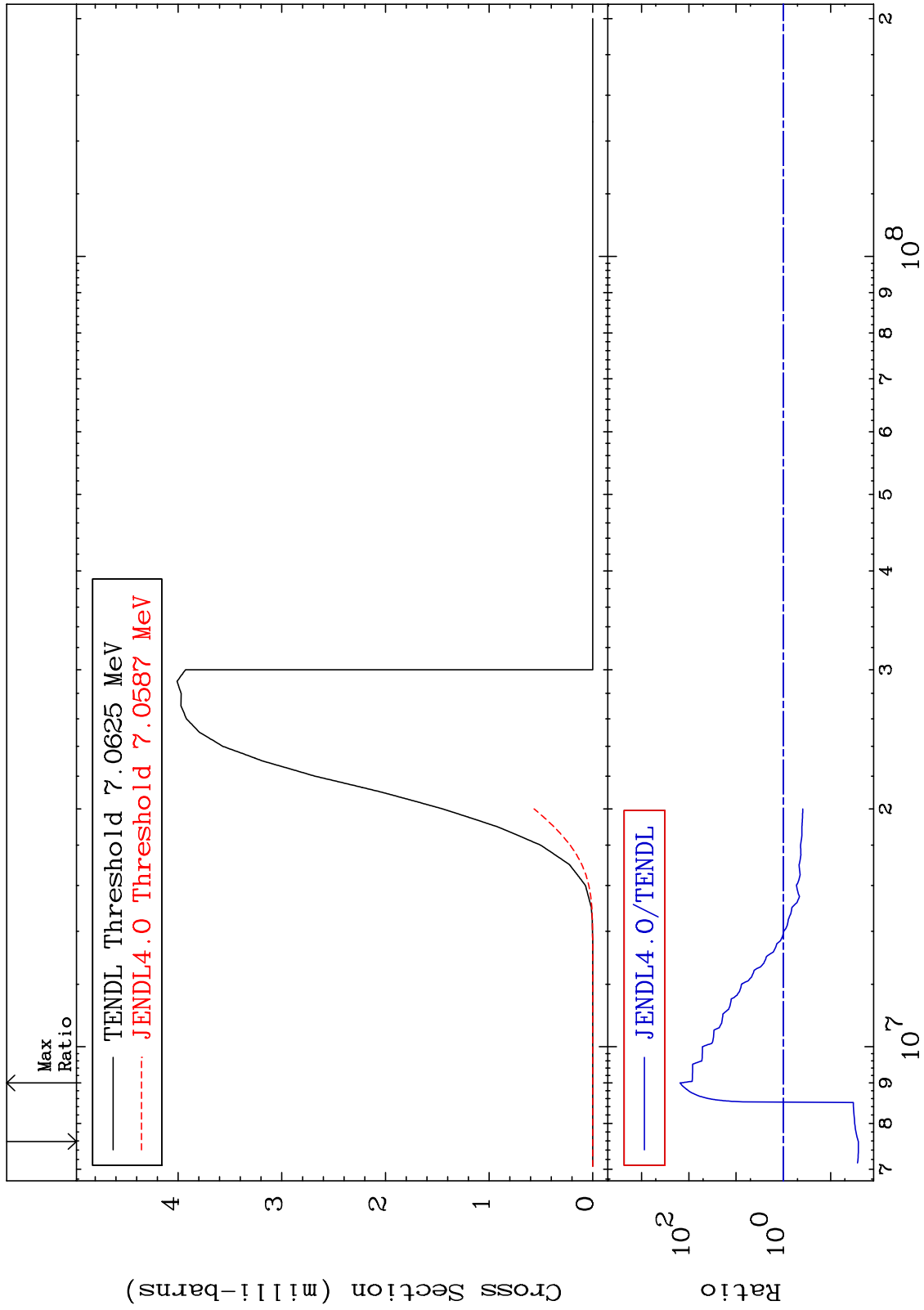
MAT 5537

(n, t)

55-Cs-137

Cross Section

-97.41 To 9999. %



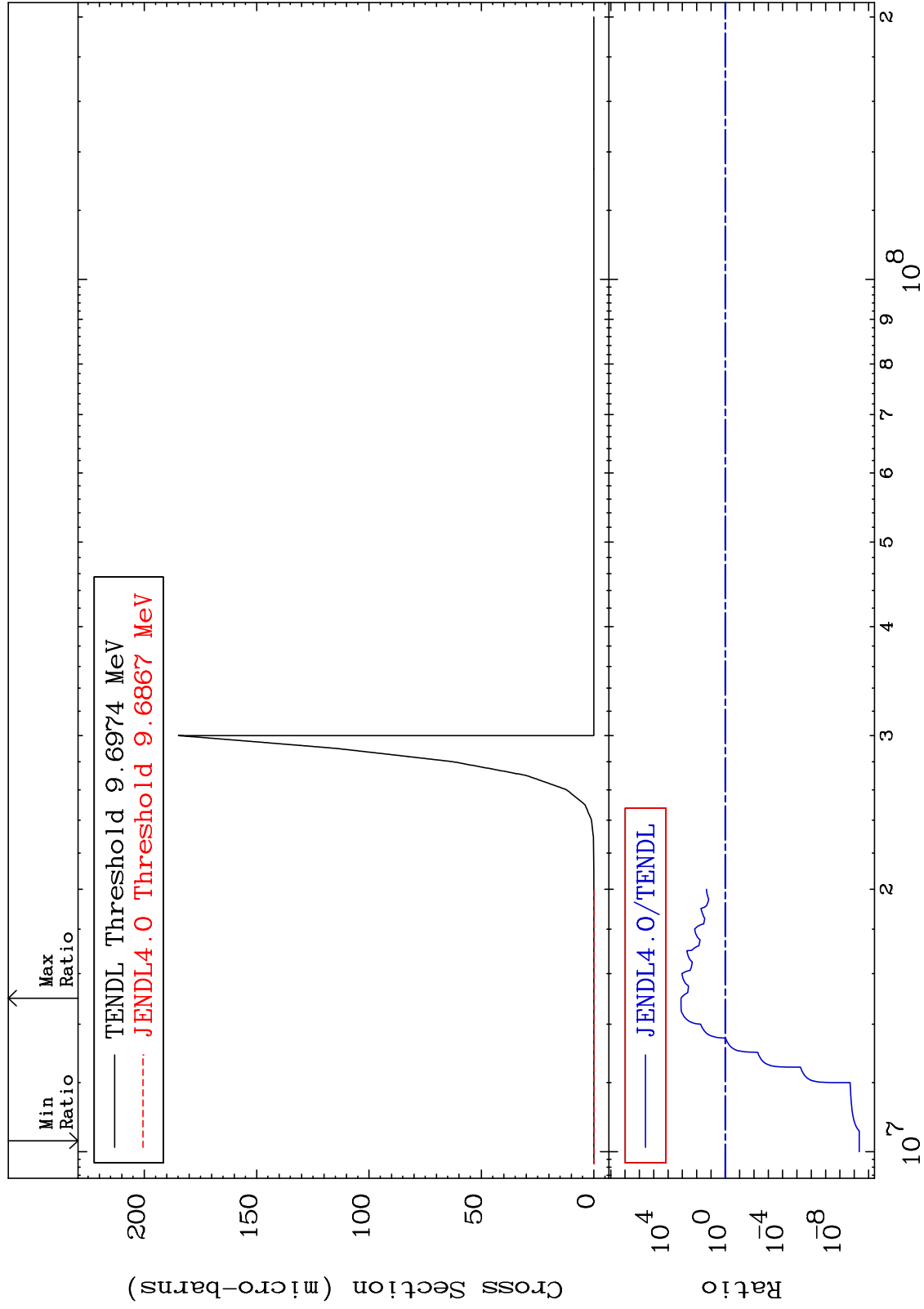
MAT 5537

(n, He-3)

55-Cs-137

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

55-Cs-137

35

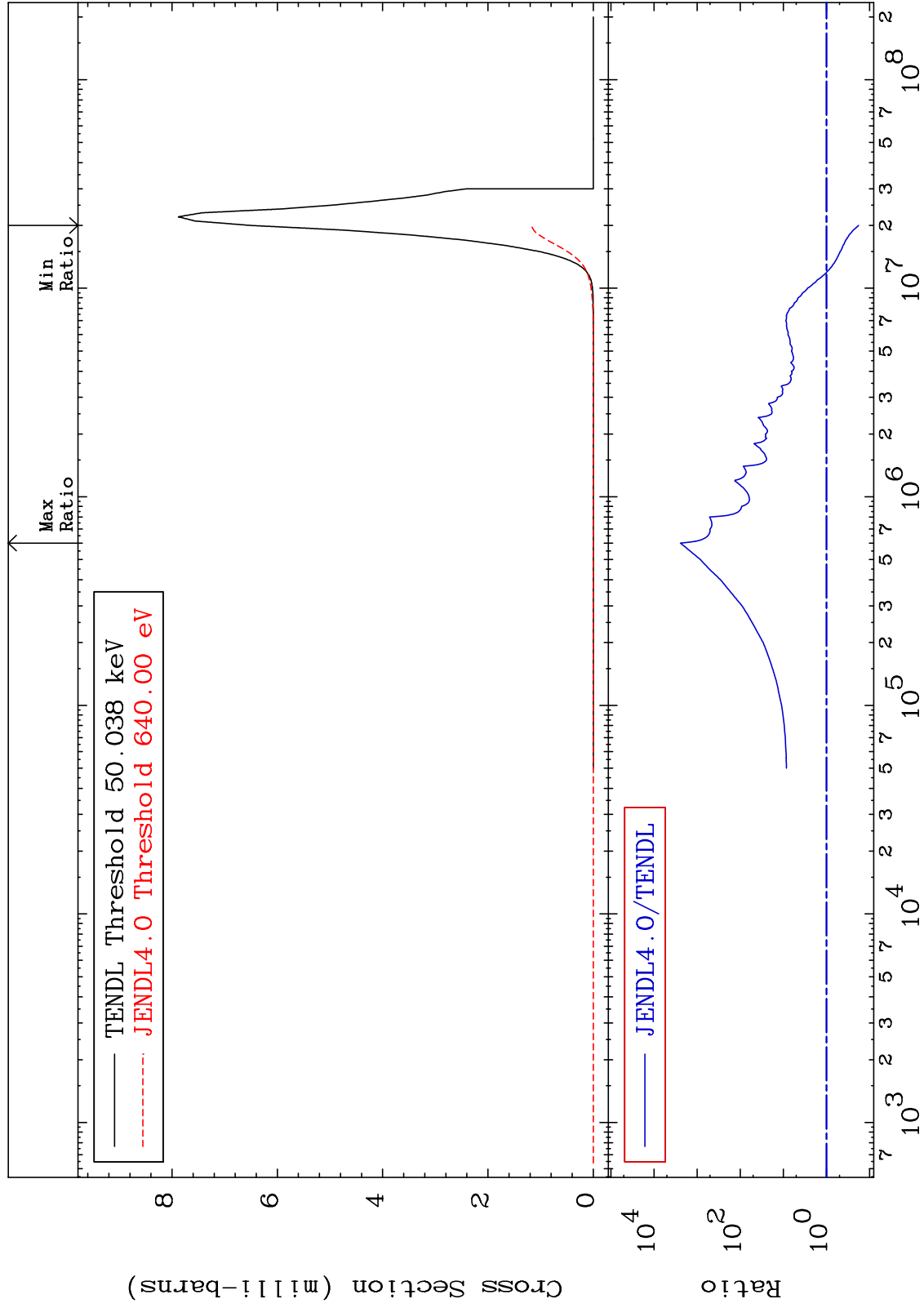
MAT 5537

(n,  $\alpha$ )

55-Cs-137

Cross Section

-81.97 To 9999. %



36

Incident Energy (eV)

55-Cs-137

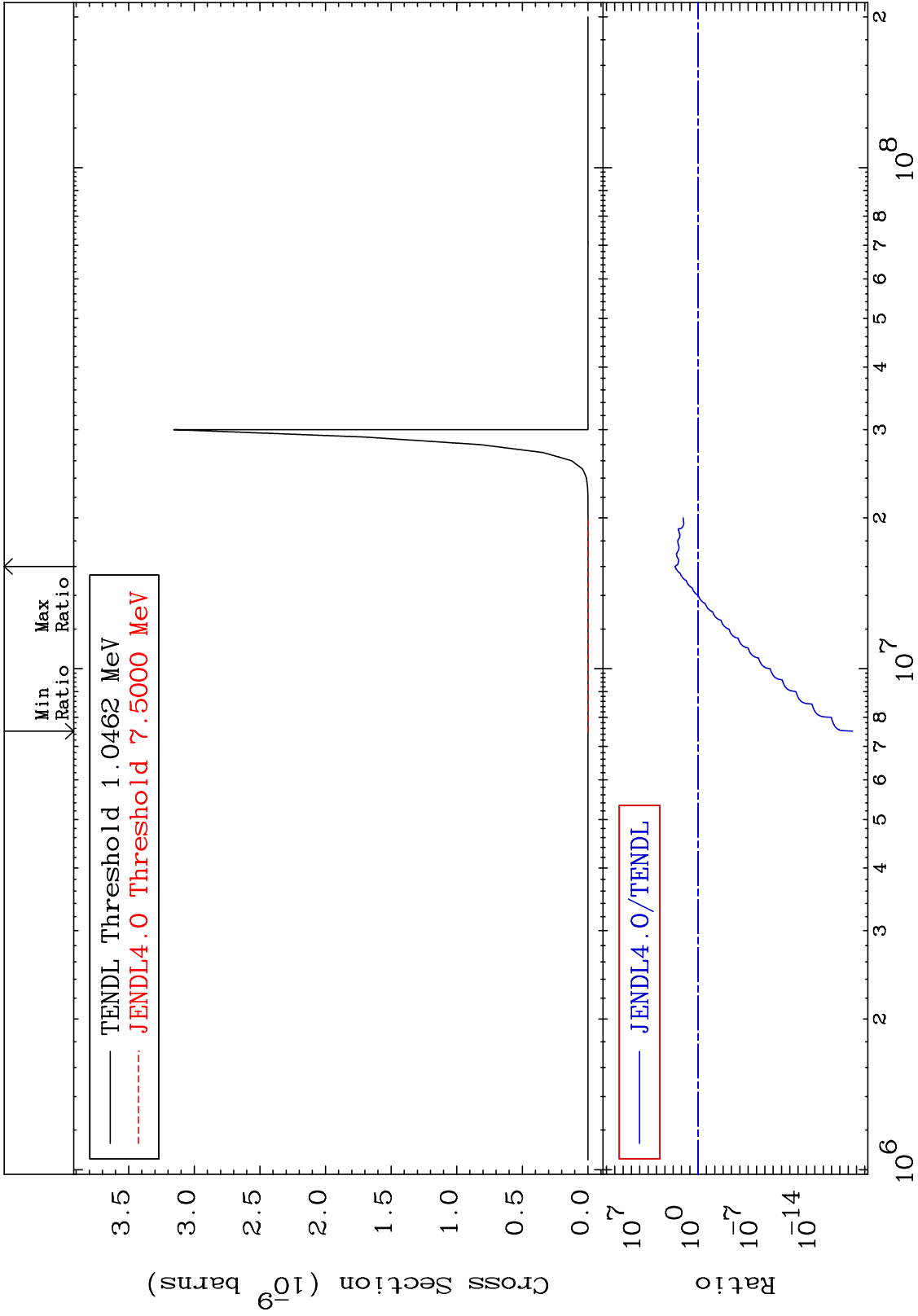
MAT 5537

(n, 2α)

55-Cs-137

-100.0 To 9999. %

Cross Section



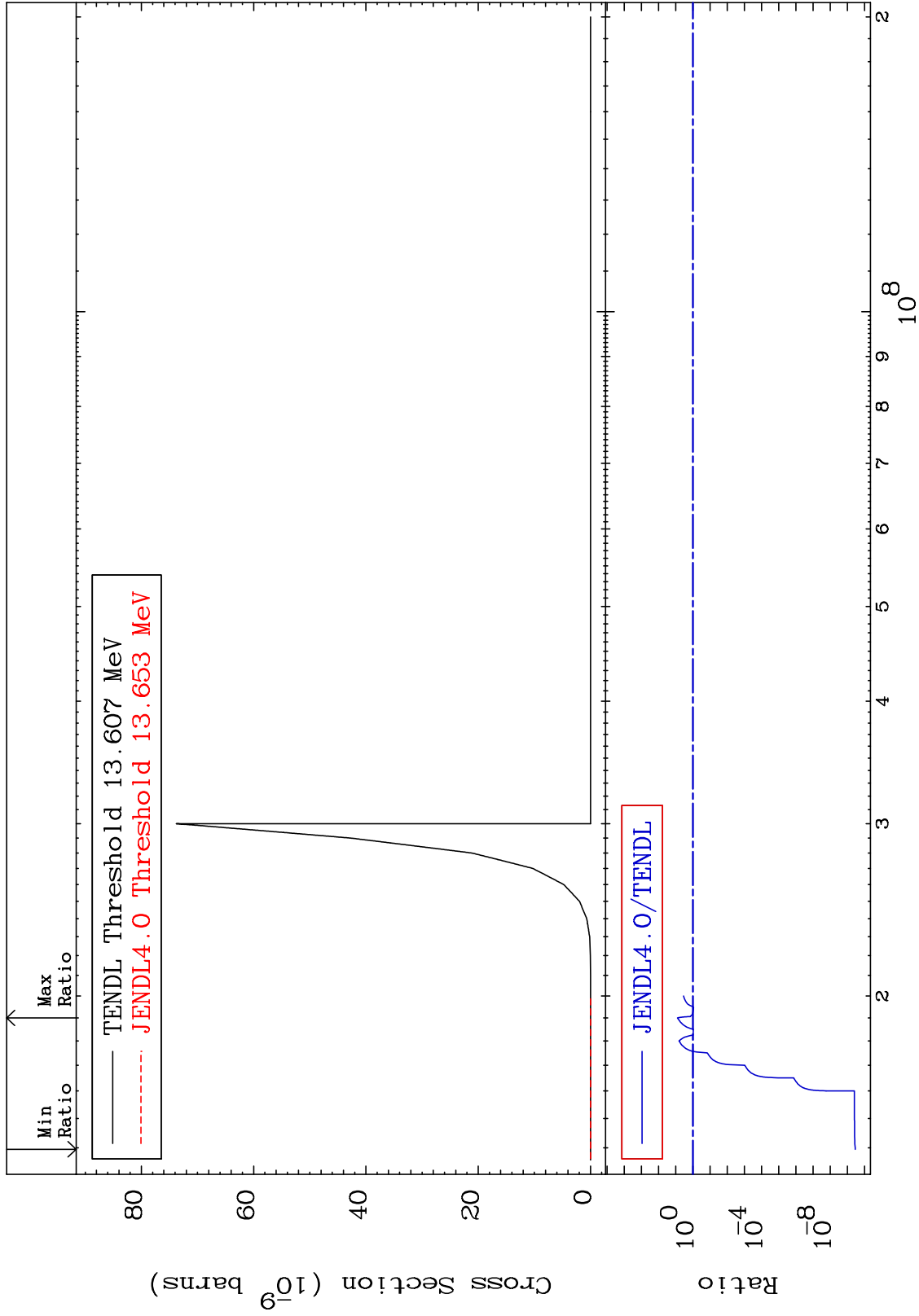
37

Incident Energy (eV)

55-Cs-137

Cross Section

-100.0 To 683.8 %



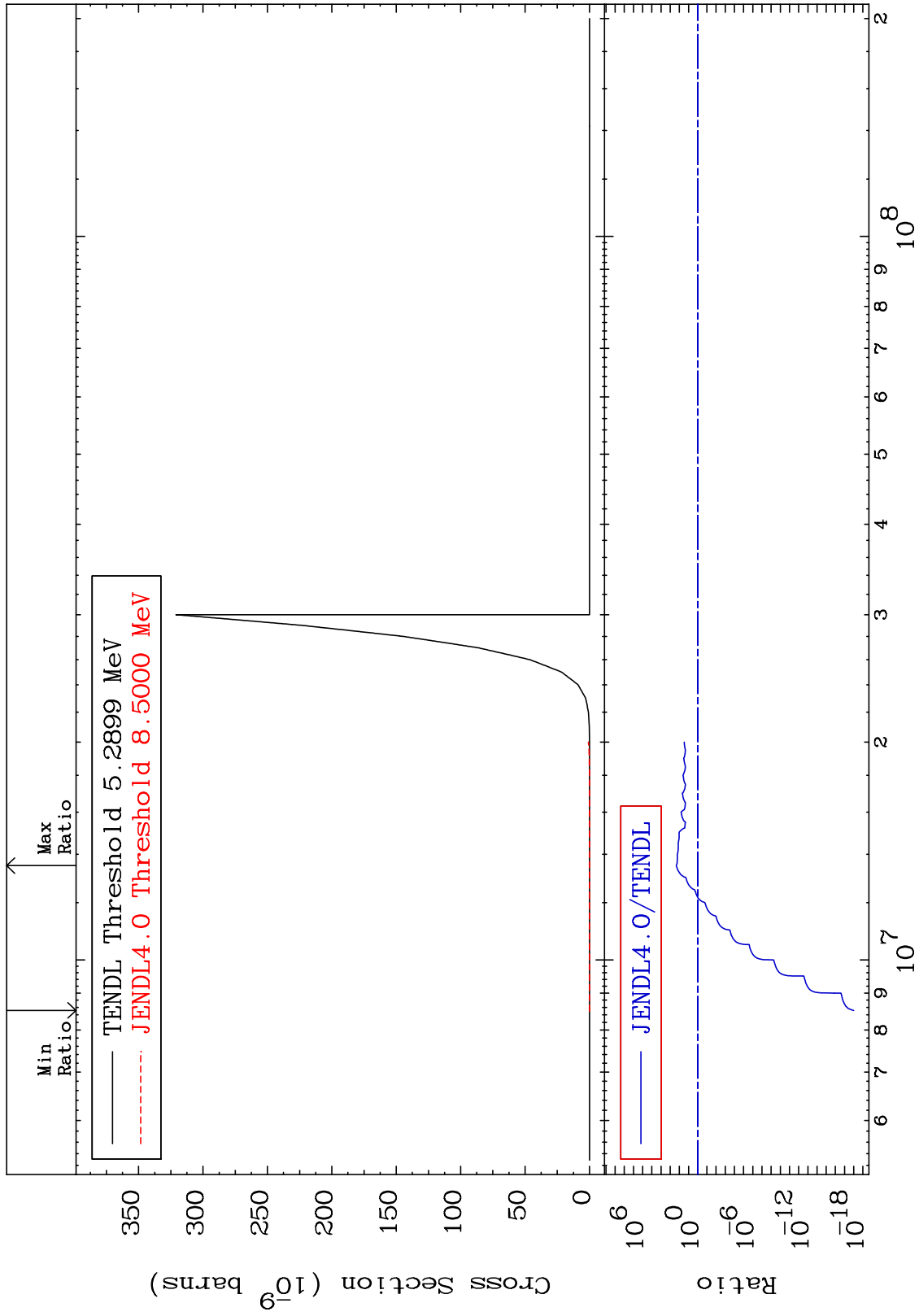
MAT 5537

(n,p)  $\alpha$

55-Cs-137

Cross Section

-100.0 To 9999. %





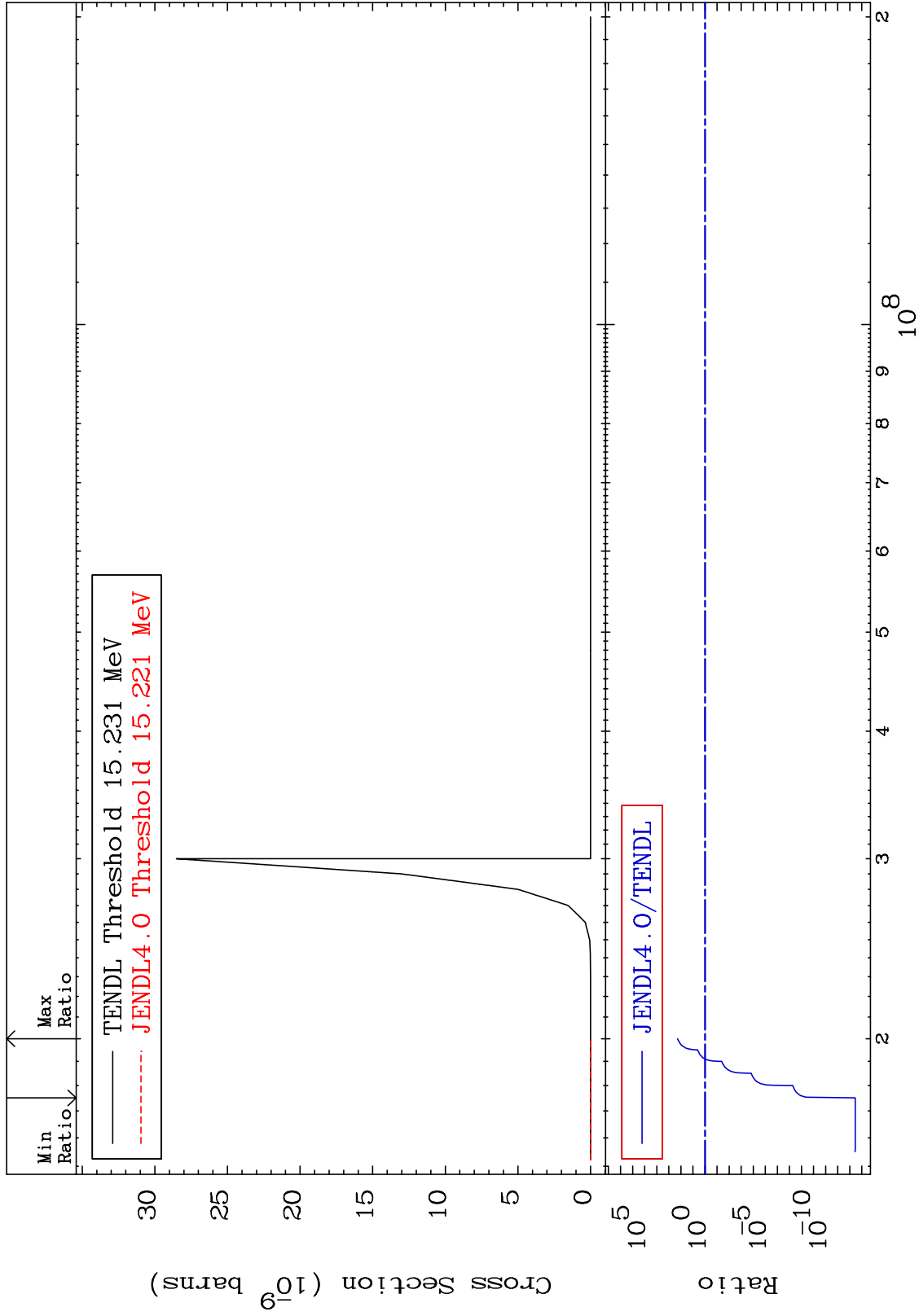
MAT 5537

(n,p) d

55-Cs-137

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

55-Cs-137

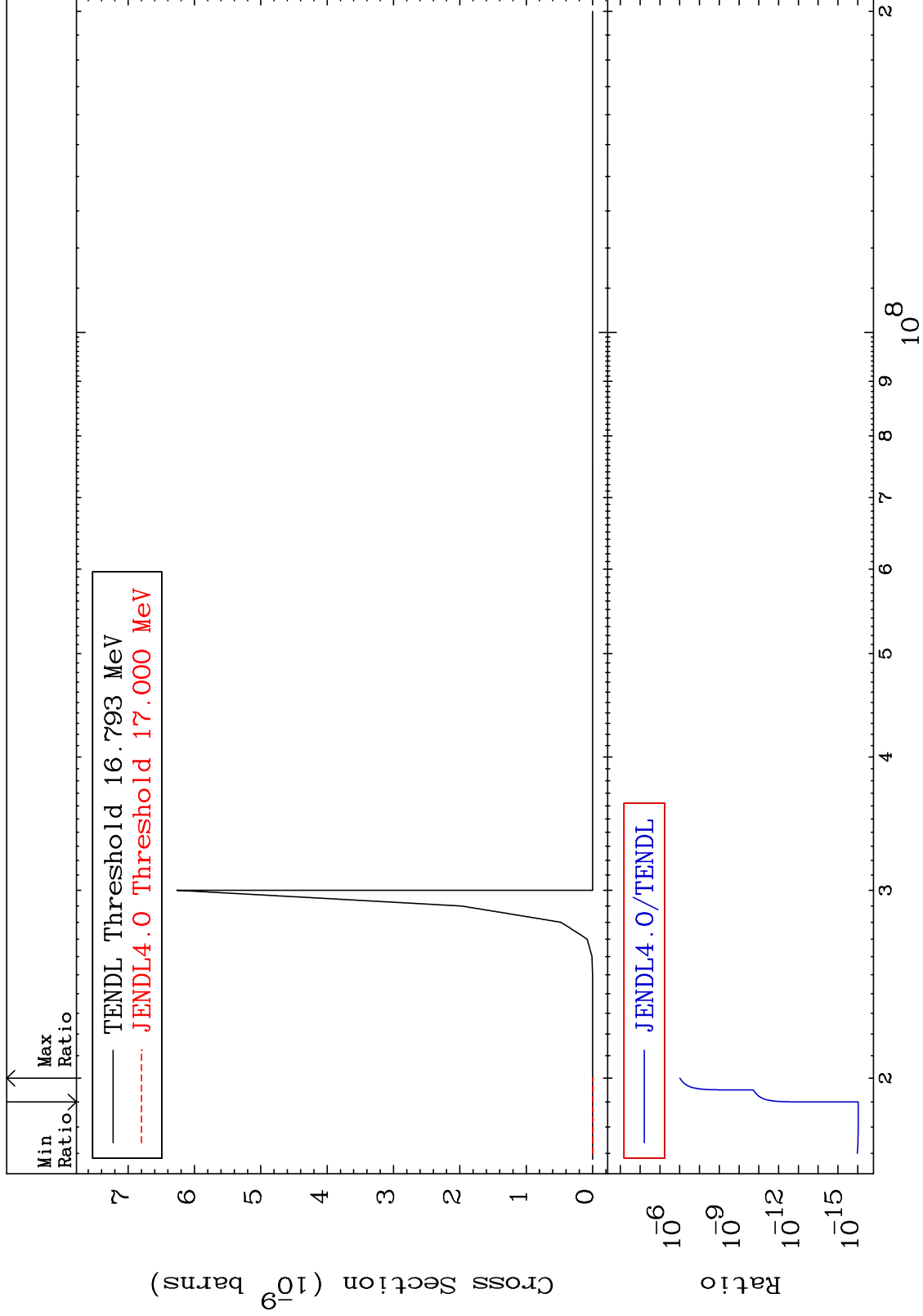
MAT 5537

(n,p) t

55-Cs-137

Cross Section

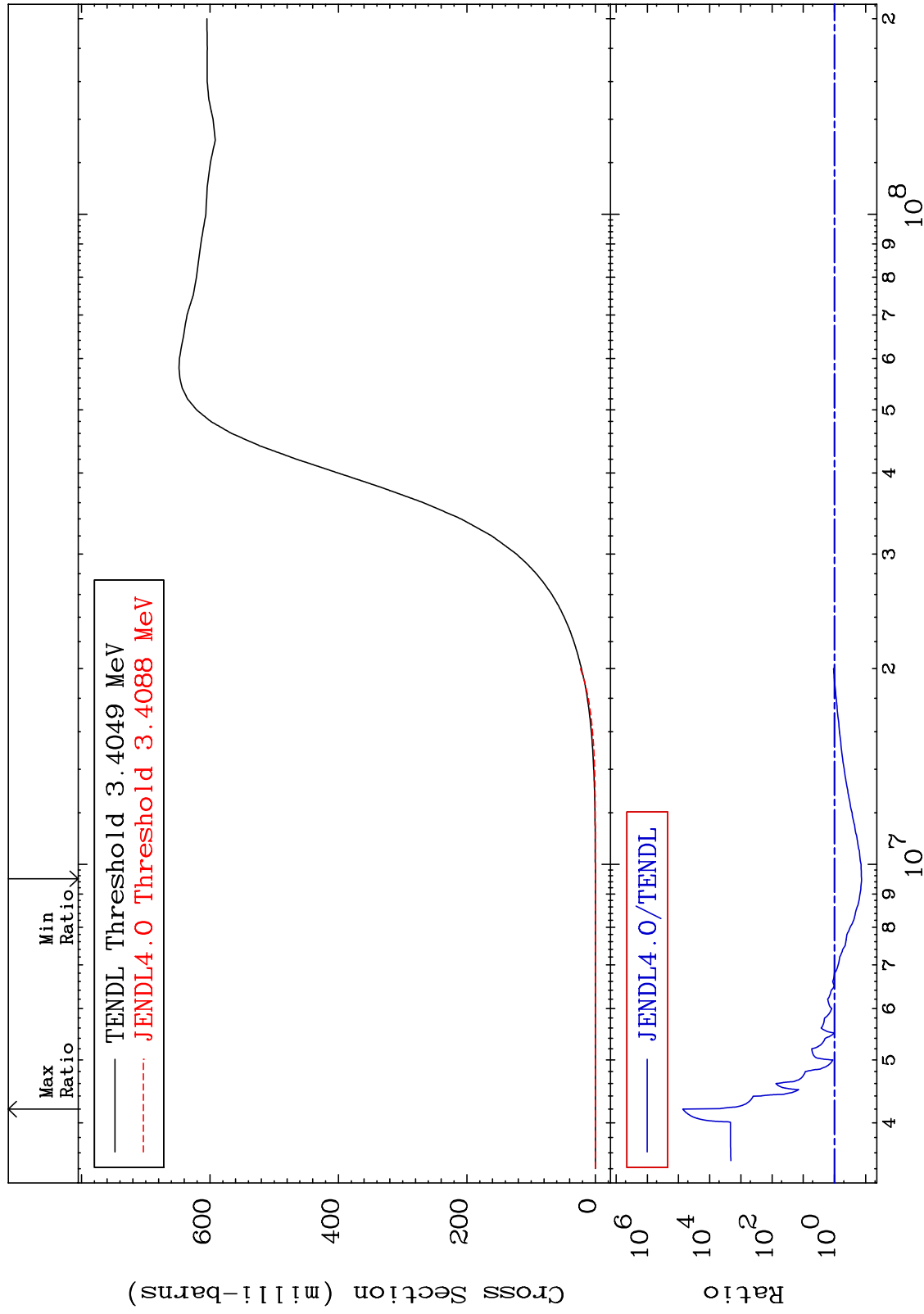
-100.0 To -100.0%



MAT 5537

Hydrogen Production  
Cross Section

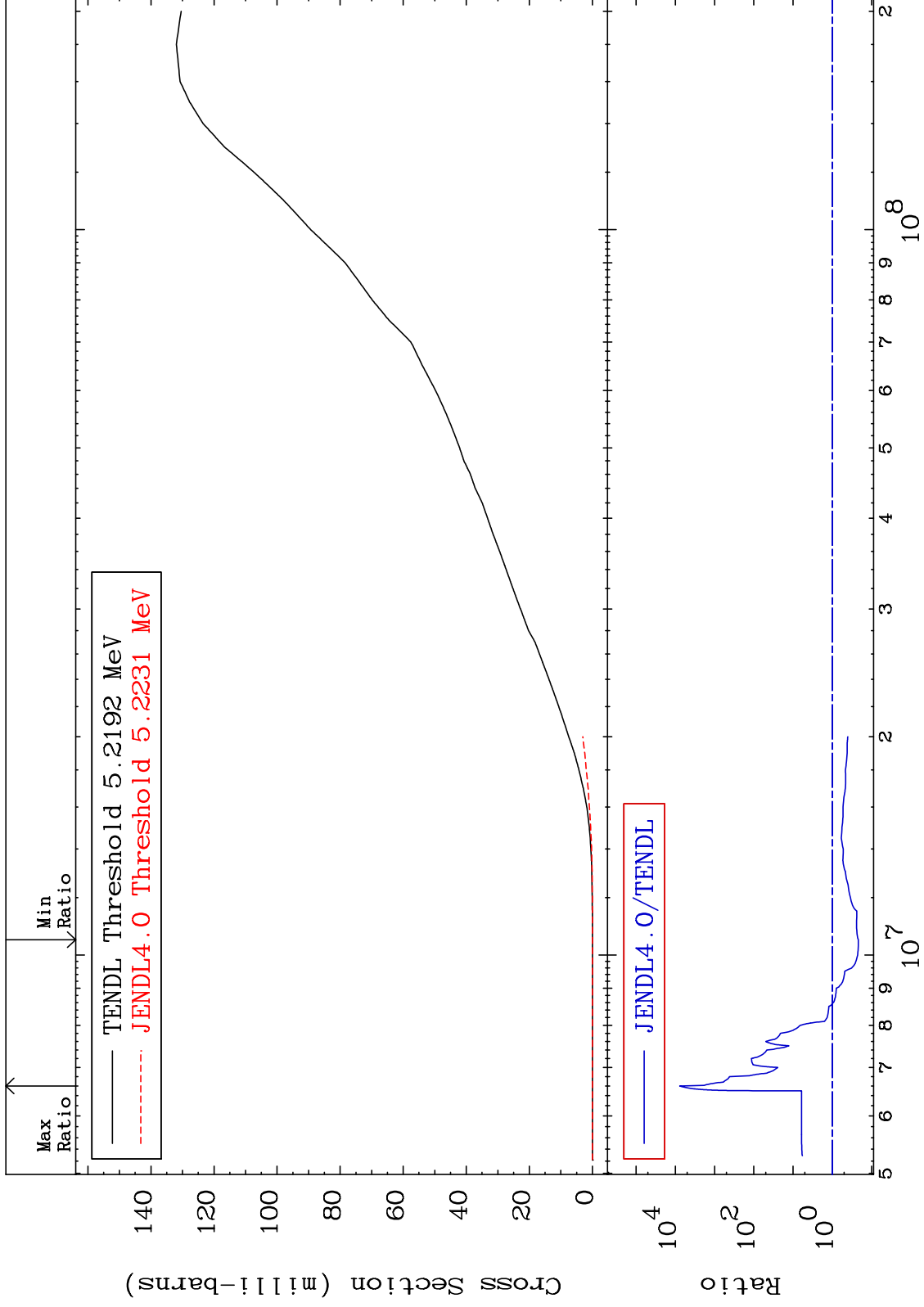
55-Cs-137  
-86.46 To 9999. %



MAT 5537

Deuterium Production  
Cross Section

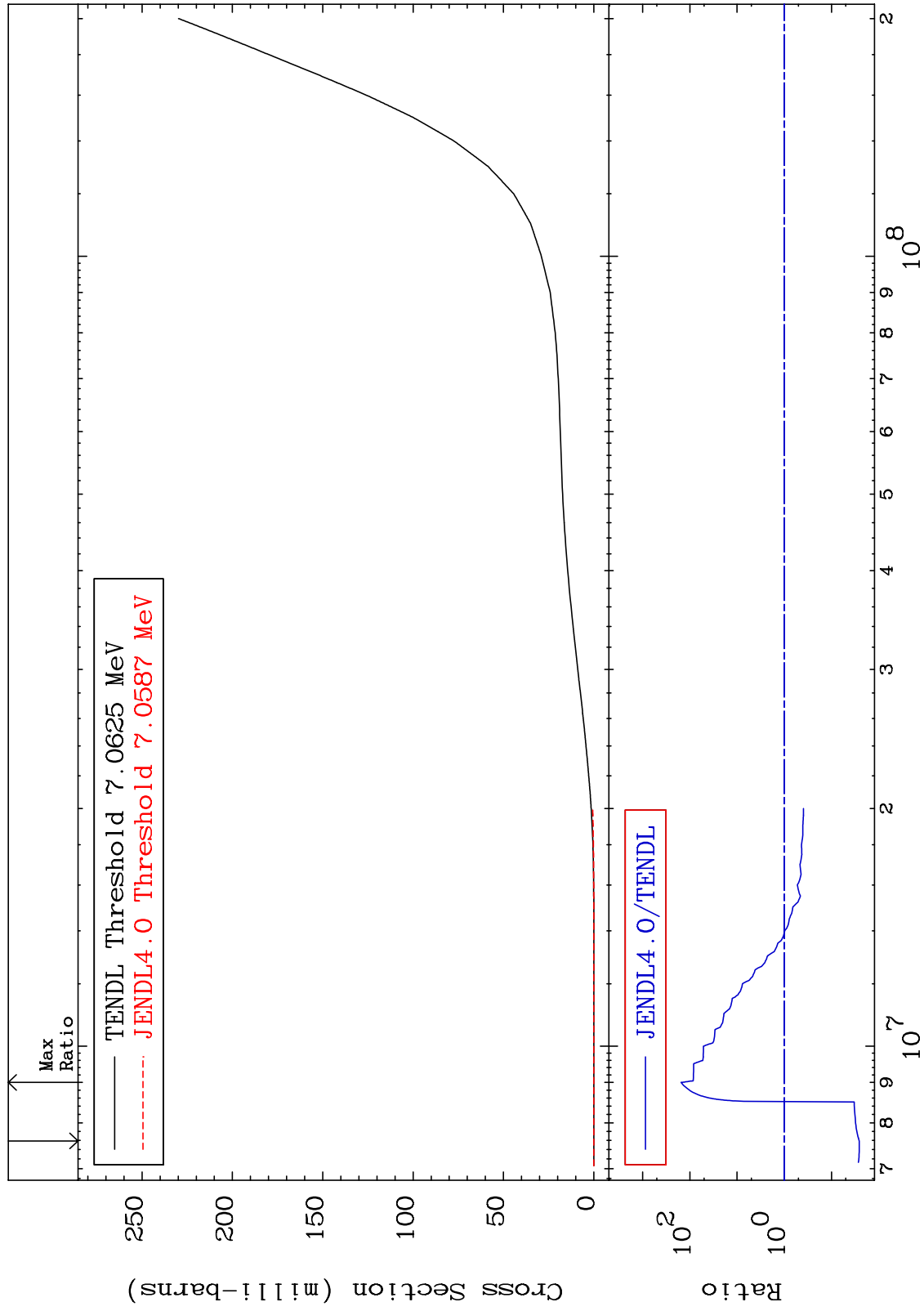
55-Cs-137  
-78.25 To 9999. %



MAT 5537

Tritium Production  
Cross Section

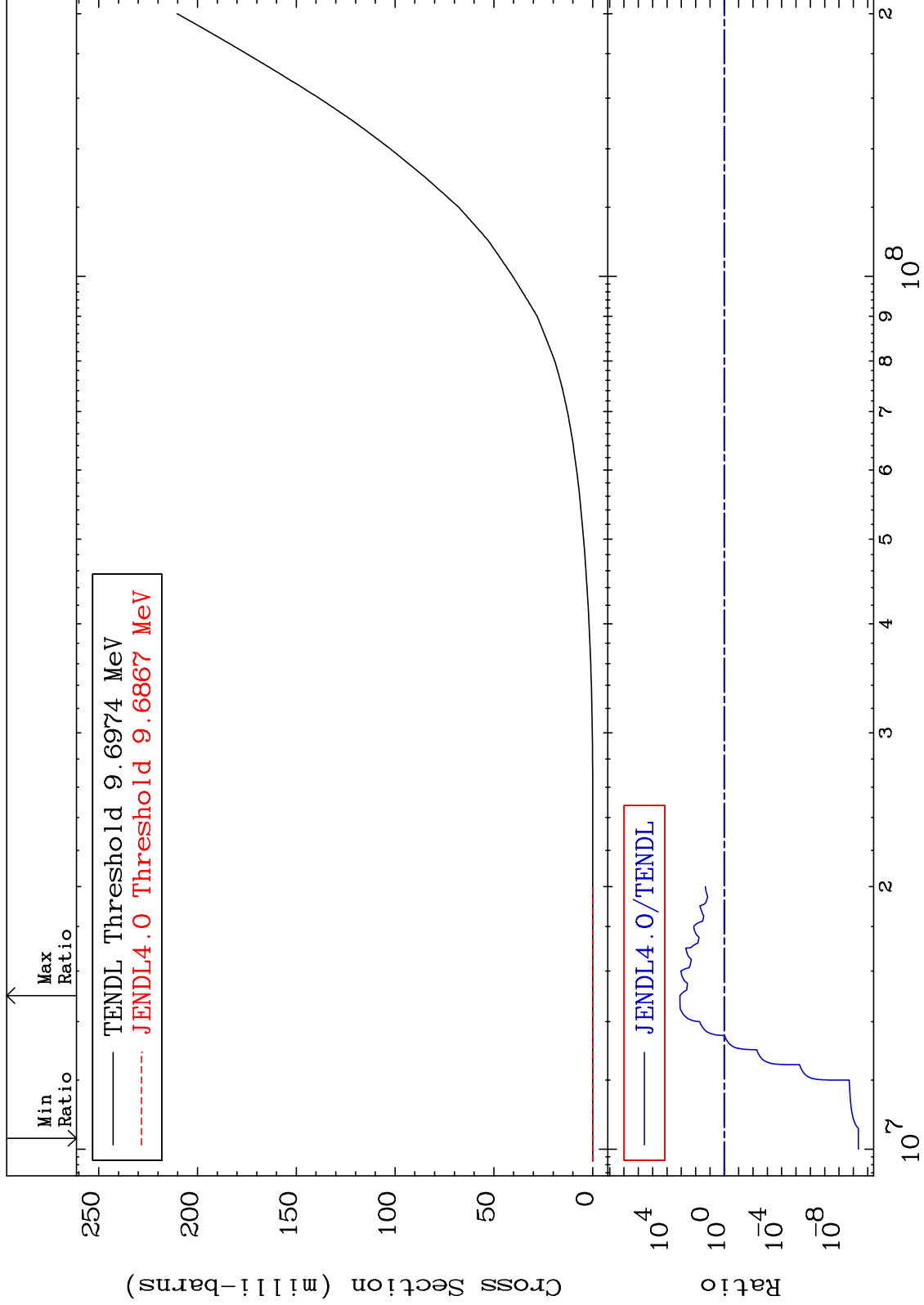
55-Cs-137  
-97.41 To 9999. %



MAT 5537

He-3 Production  
Cross Section

55-Cs-137  
-100.0 To 9999. %



Incident Energy (eV)

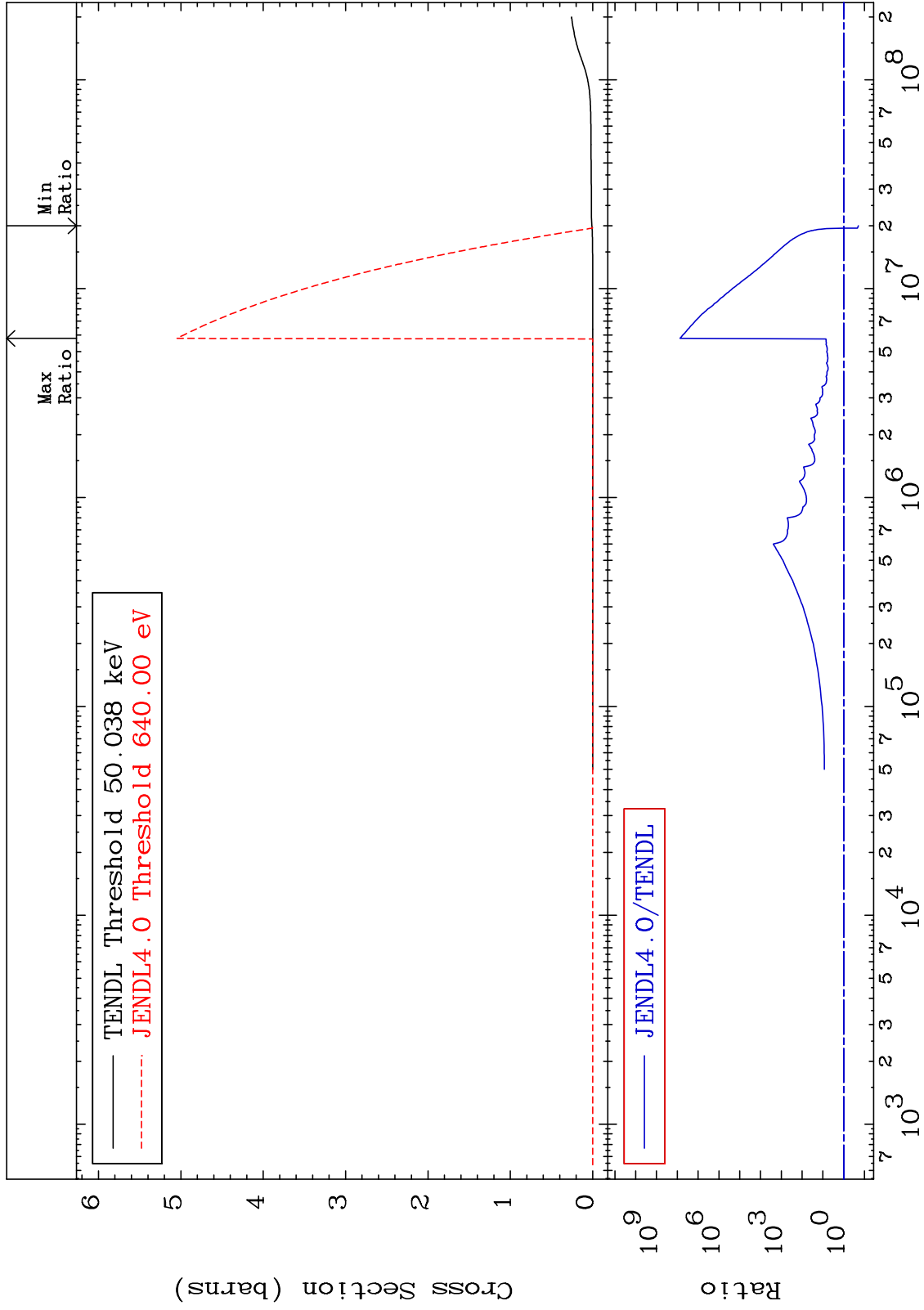
55-Cs-137

45

MAT 5537

He-4 Production  
Cross Section

55-Cs-137  
-80.33 To 9999. %



46

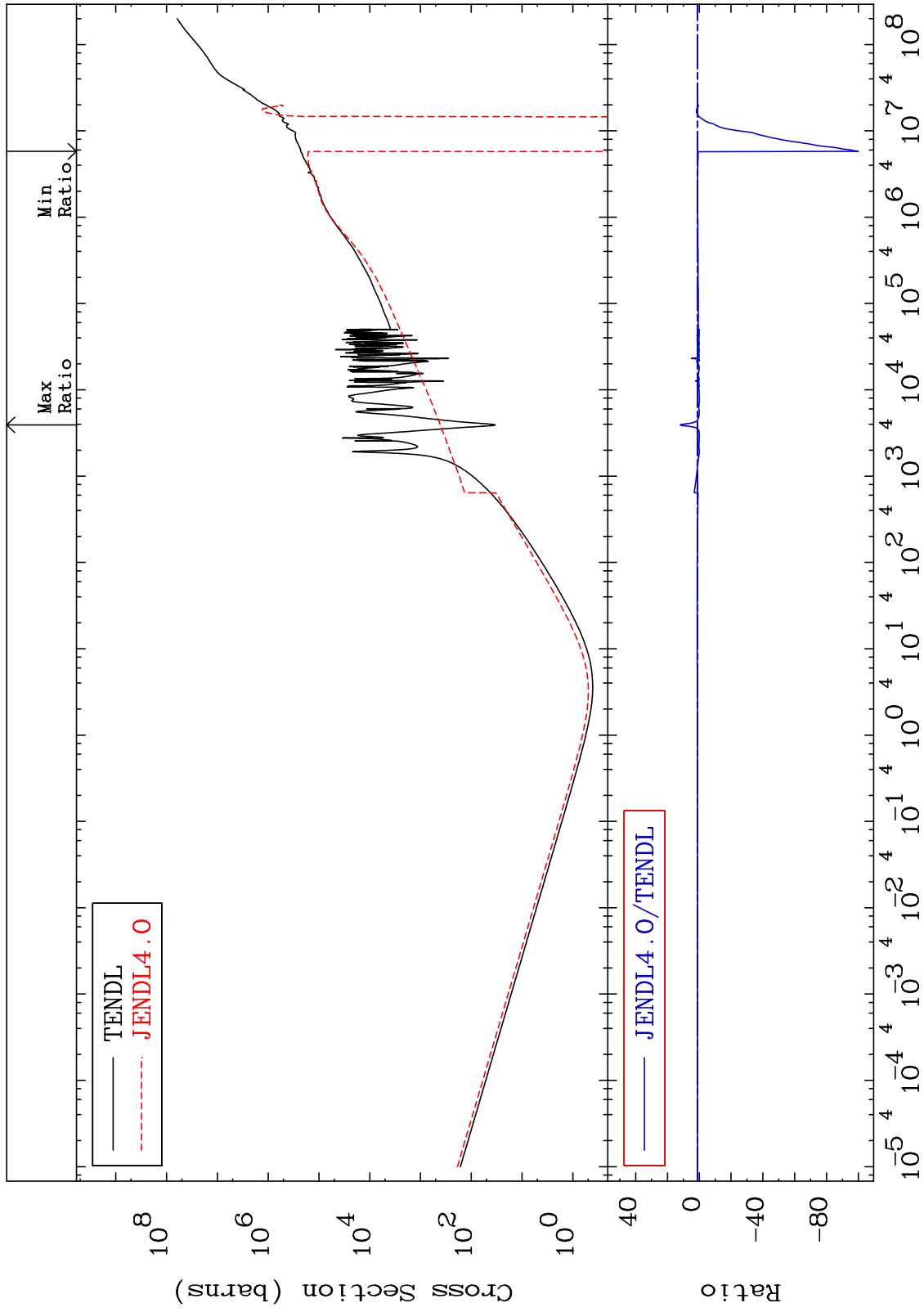
Incident Energy (eV)

55-Cs-137

MAT 5537

Kerma total (eV-barns)  
Cross Section

55-Cs-137  
-9999. To 1113. %



47

Incident Energy (eV)

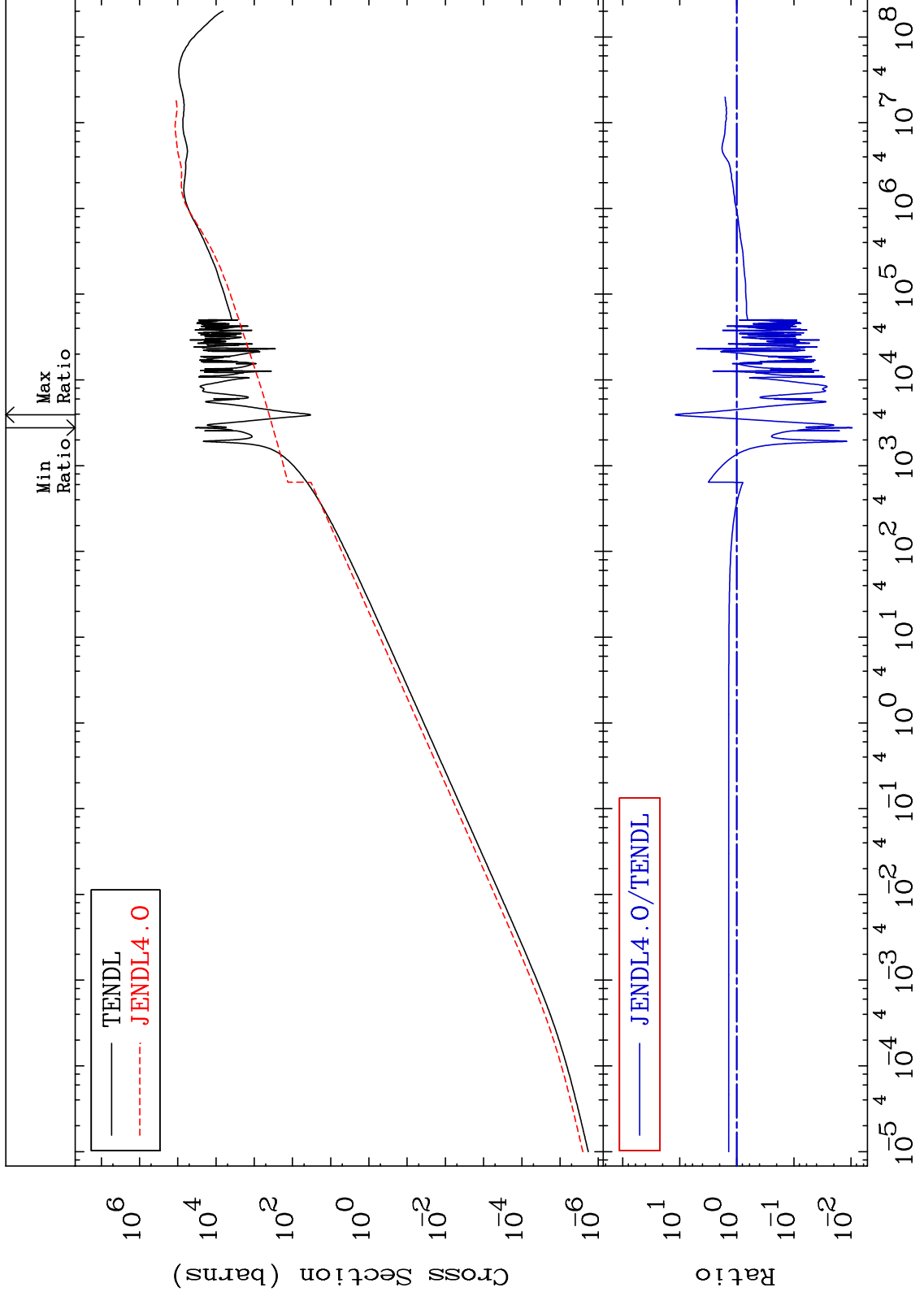
55-Cs-137



MAT 5537

Kerma elastic  
Cross Section

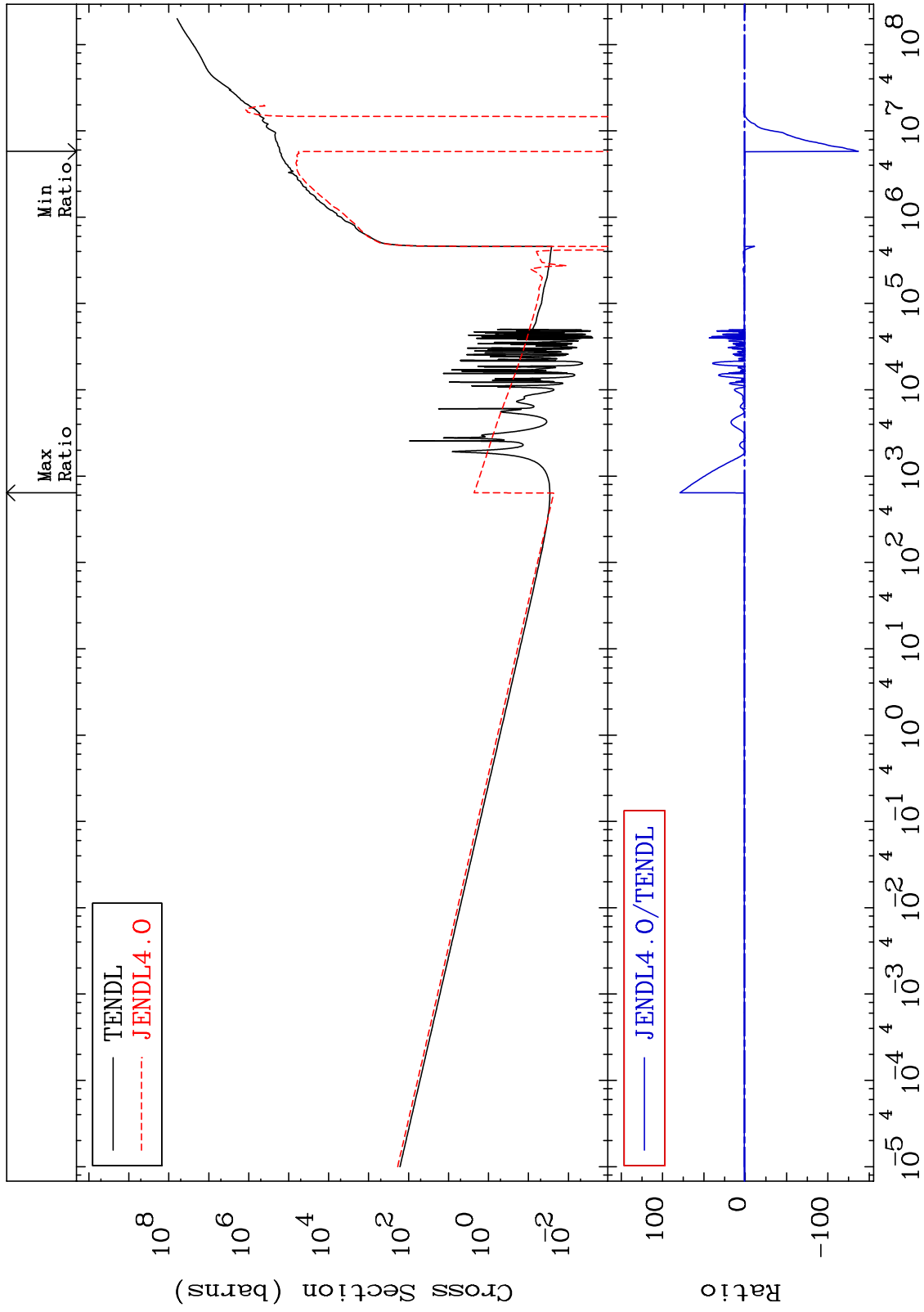
55-Cs-137  
-99.06 To 1113. %



MAT 5537

Kerma non-elastic (all but mt2)  
Cross Section

55-Cs-137  
-9999. To 7791. %



49

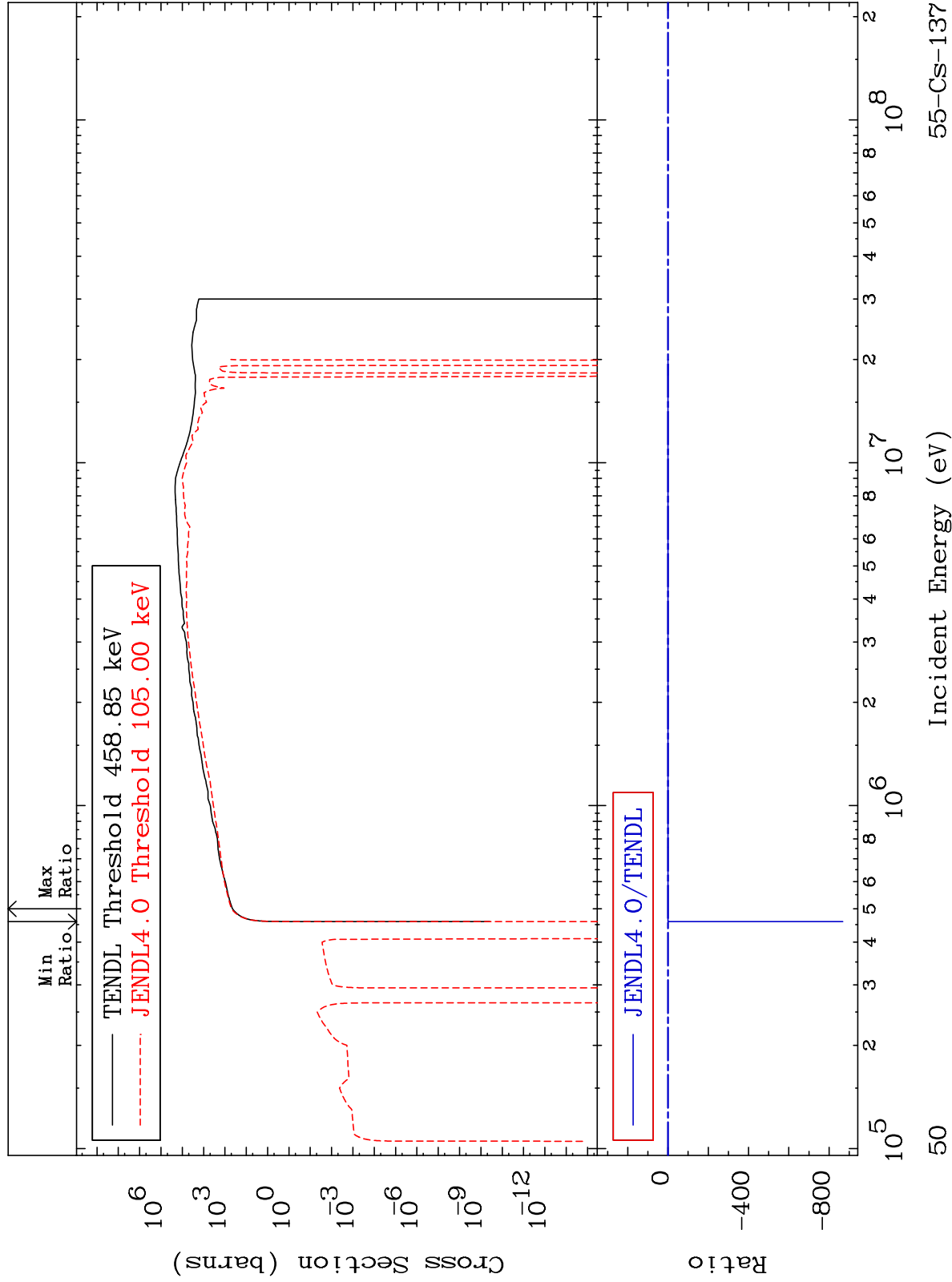
Incident Energy (eV)

55-Cs-137

MAT 5537

Kerma inelastic (mt51-91)  
Cross Section

55-Cs-137  
-9999. To 12.00 %



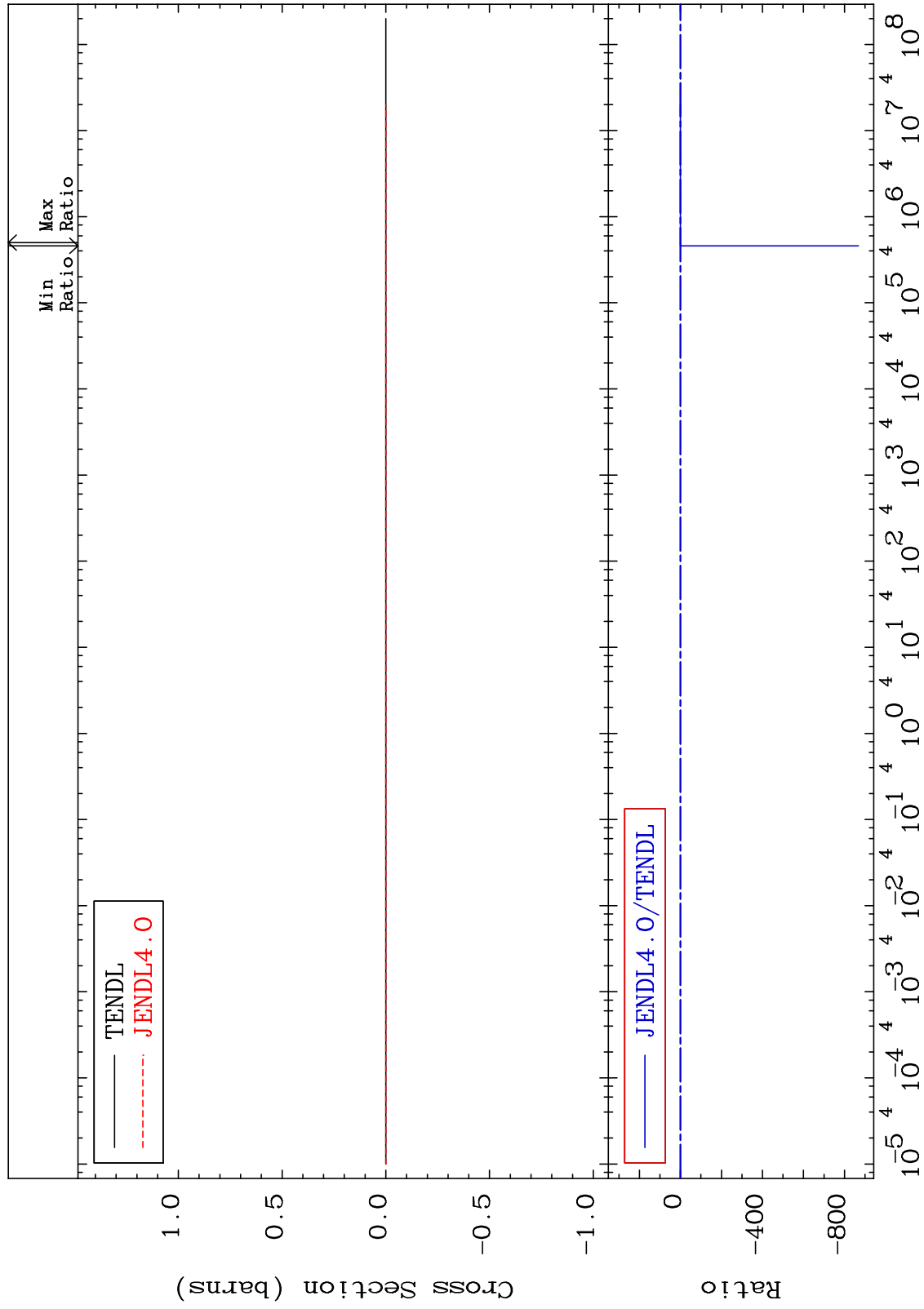
55-Cs-137

Incident Energy (eV)

MAT 5537

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

55-Cs-137  
-9999. To 12.00 %



51

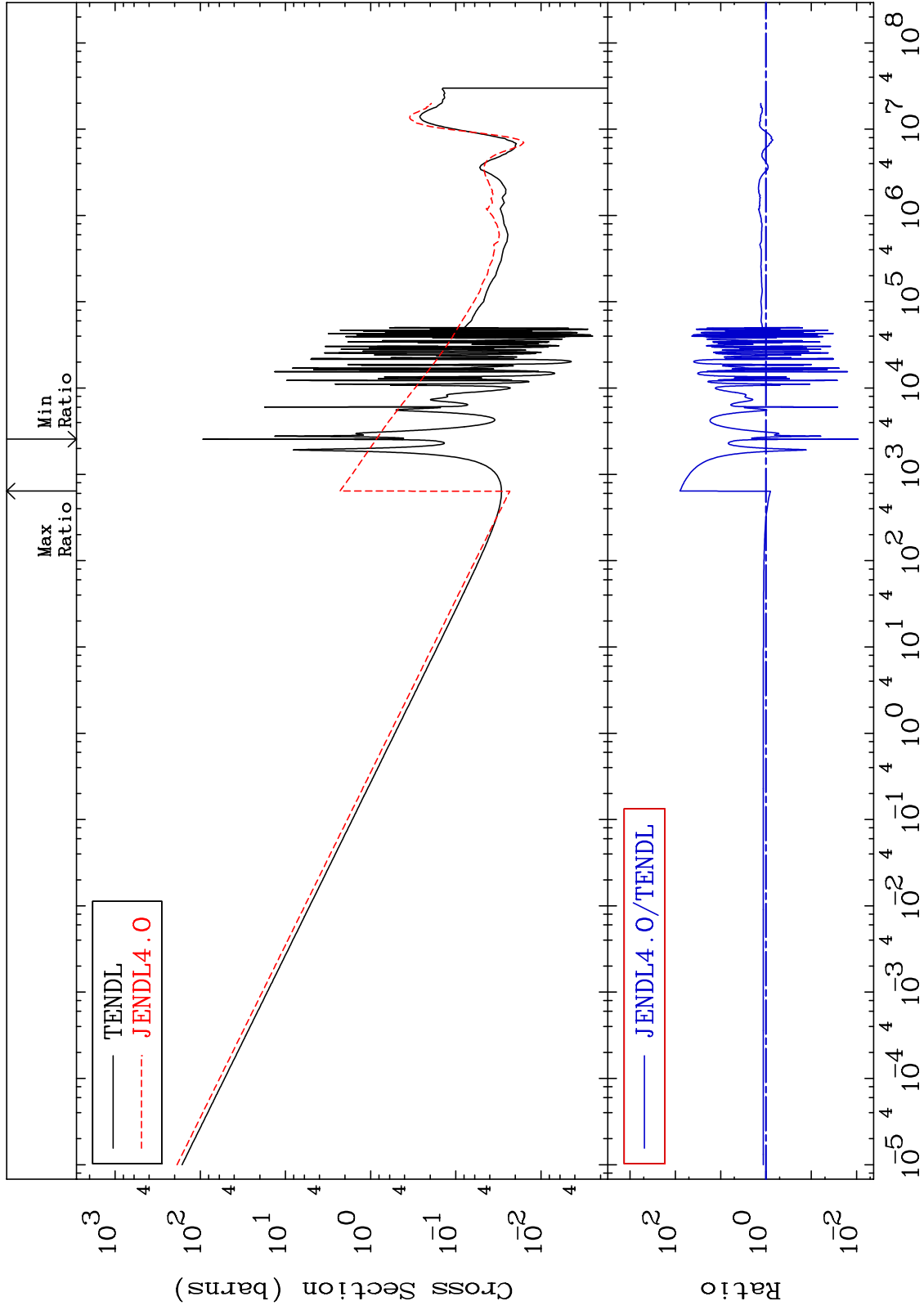
Incident Energy (eV)

55-Cs-137

MAT 5537

Kerma capture (mt102)  
Cross Section

55-Cs-137  
-99.09 To 7791. %



52

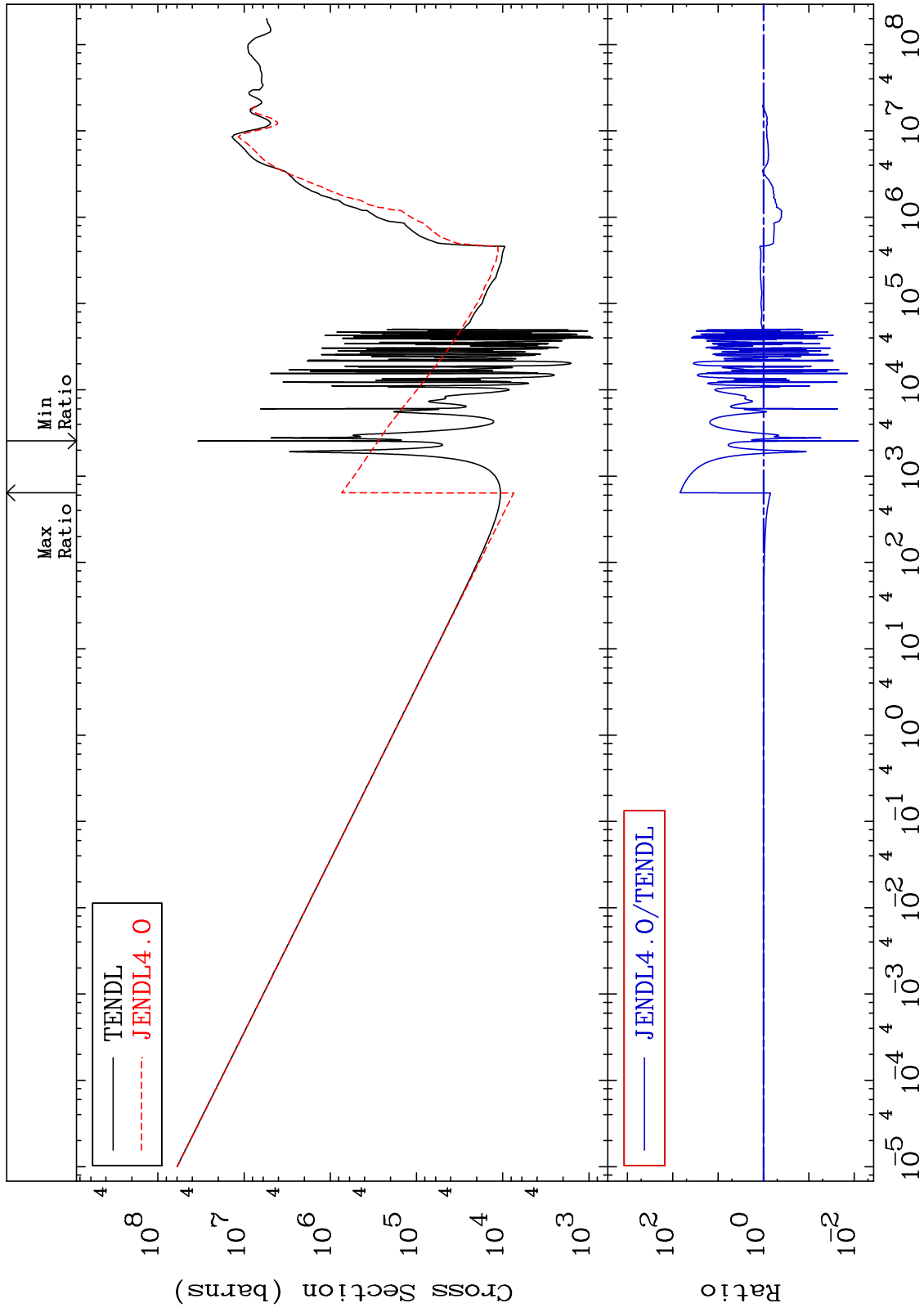
Incident Energy (eV)

55-Cs-137

MAT 5537

Total photon (eV-barns)  
Cross Section

55-Cs-137  
-99.19 To 6828. %



53

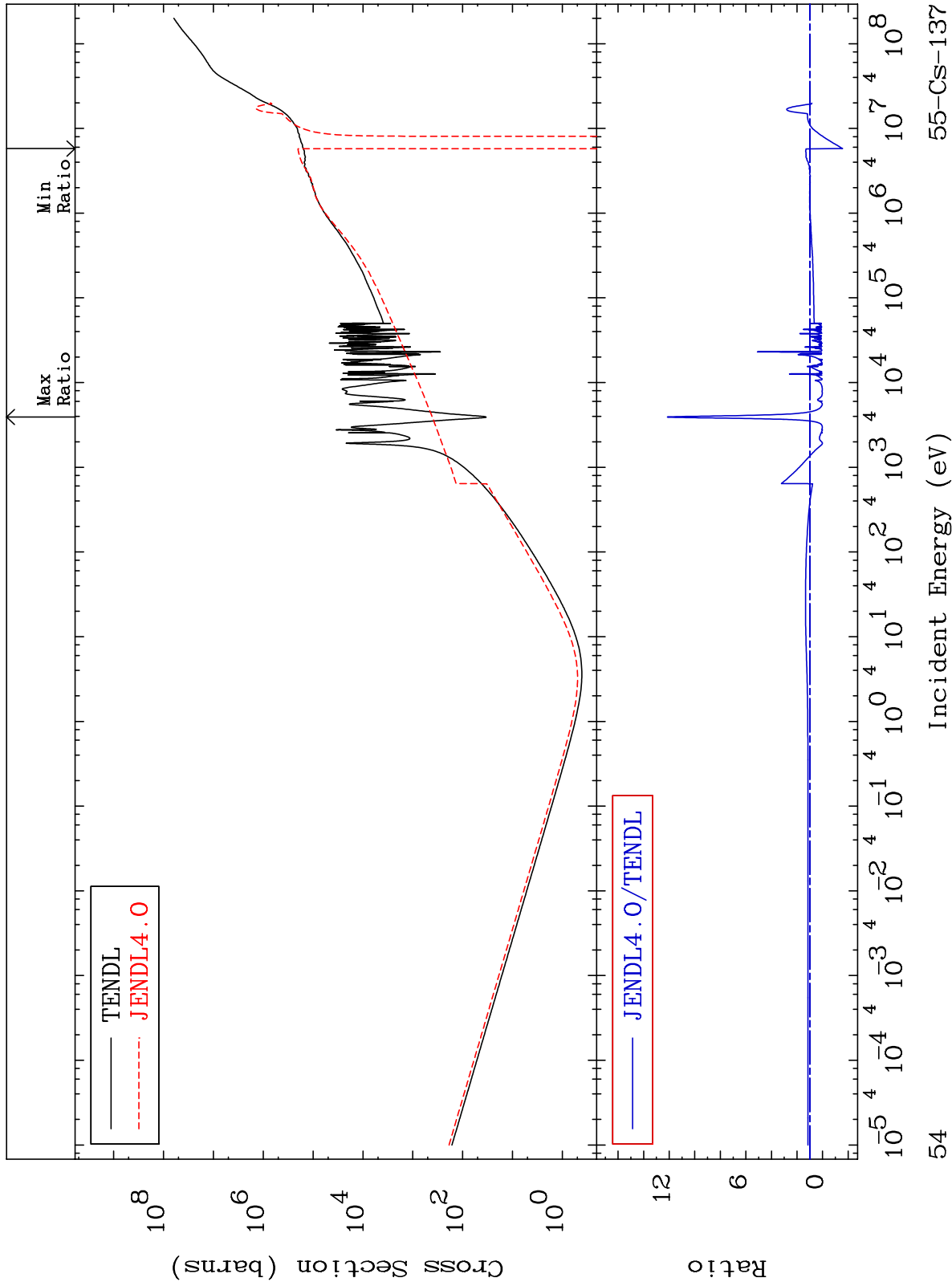
Incident Energy (eV)

55-Cs-137

MAT 5537

Total kinematic kerma (high limit)  
Cross Section

55-Cs-137  
-257.3 To 1113. %



54

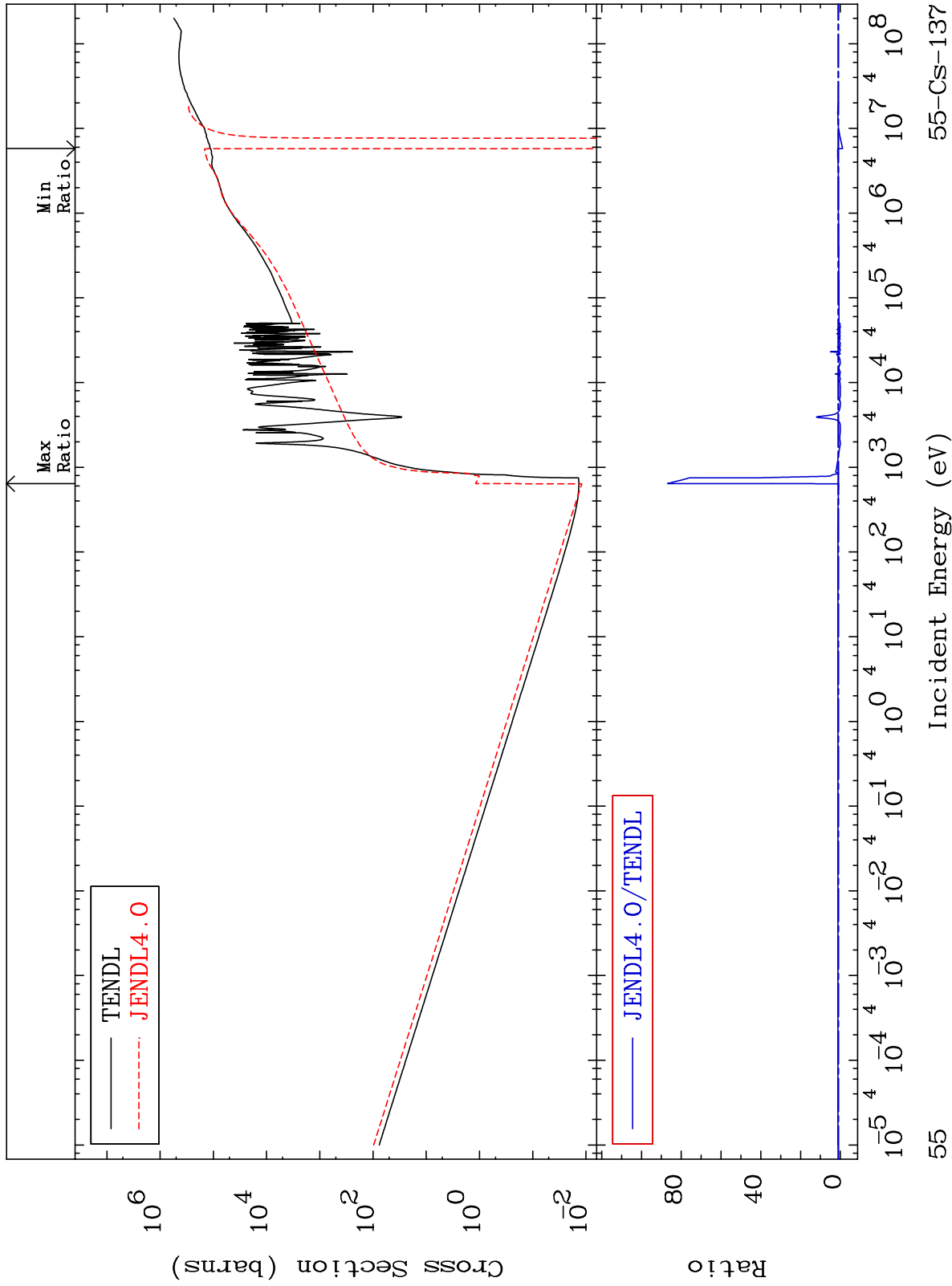
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa total (eV-barns)  
Cross Section

55-Cs-137  
-217.5 To 8589. %



55

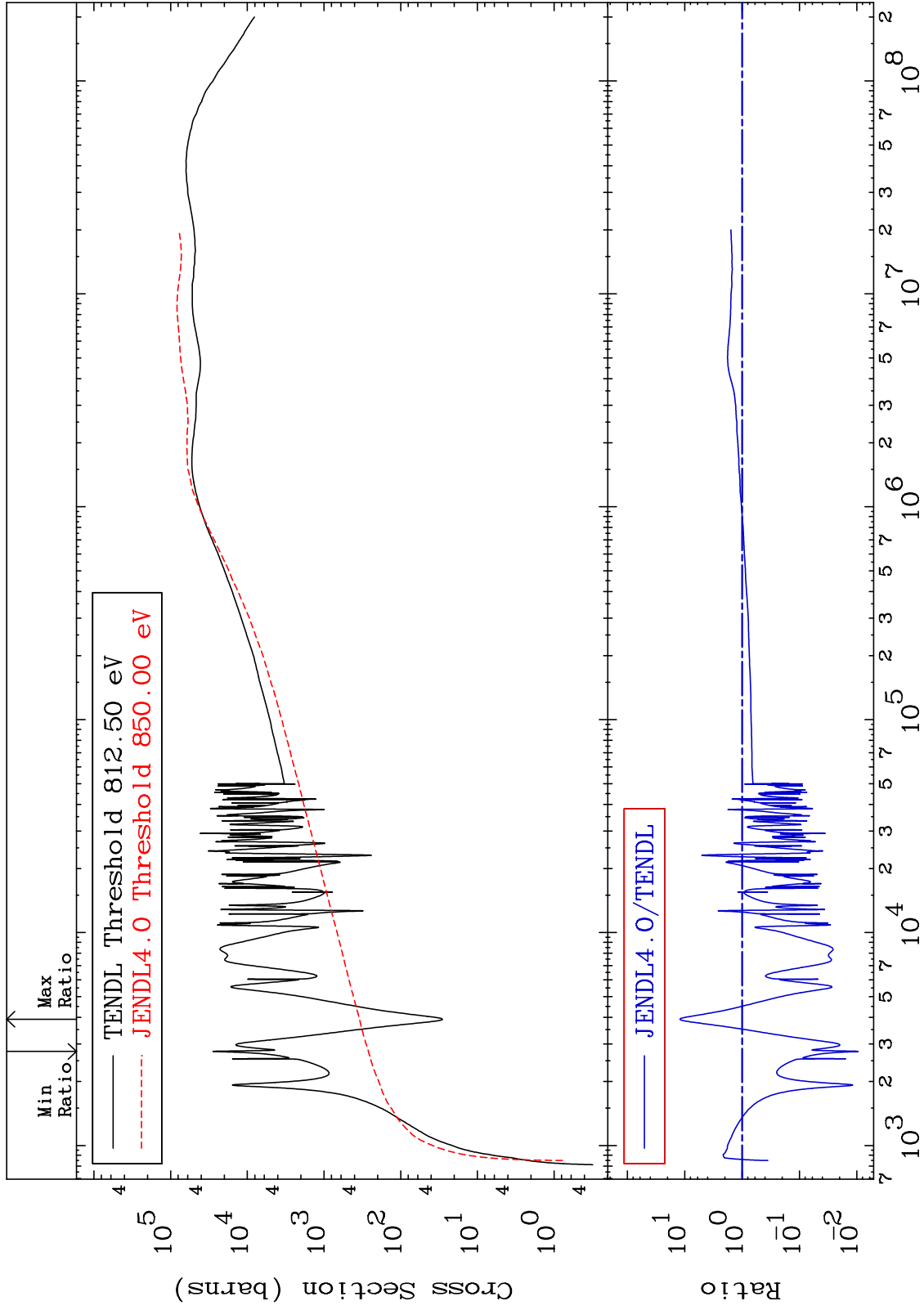
55-Cs-137



MAT 5537

Dpa elastic (mt2)  
Cross Section

55-Cs-137  
-99.06 To 1111. %



56

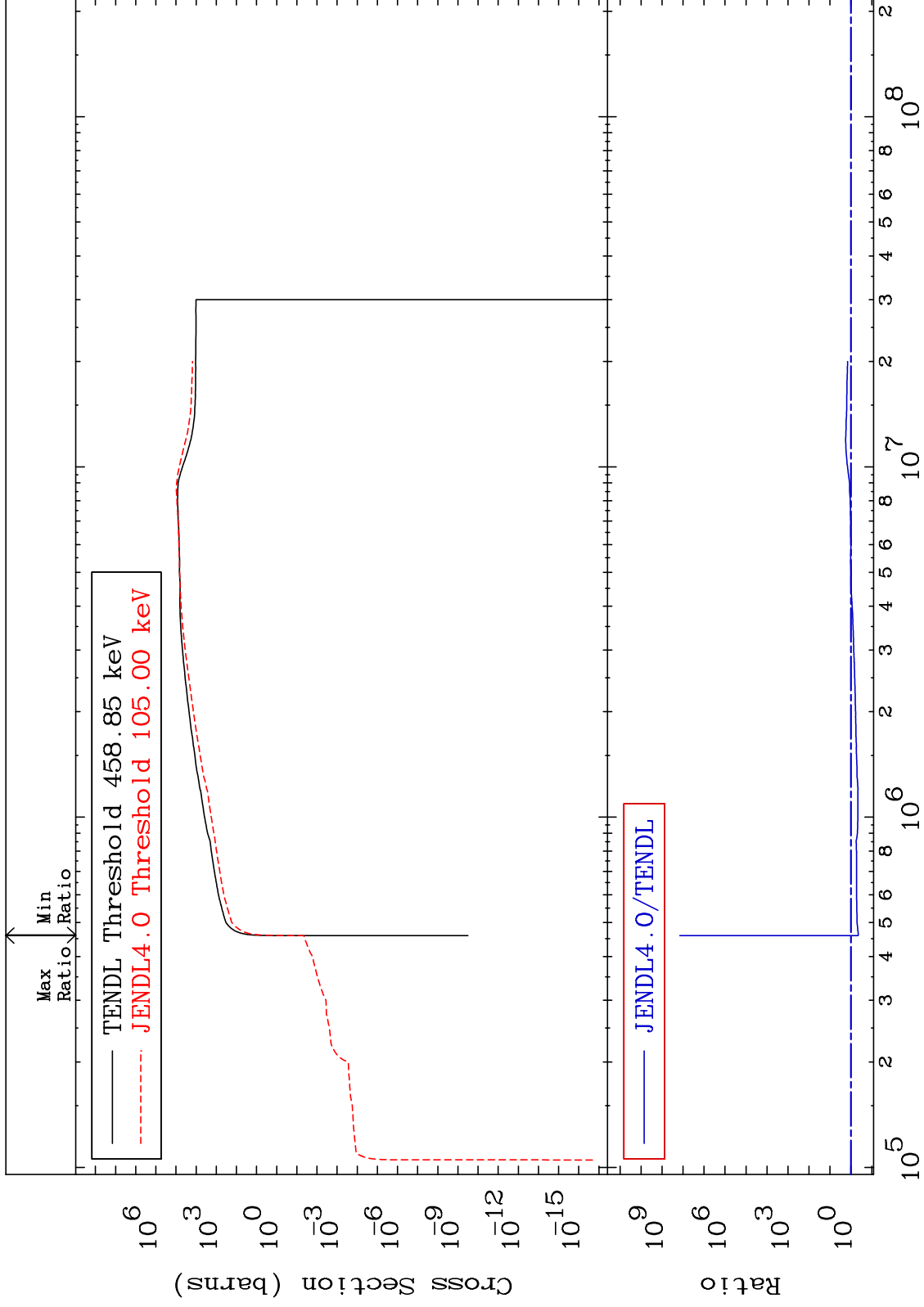
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa inelastic (mt51-91)  
Cross Section

55-Cs-137  
-55.72 To 9999. %



57

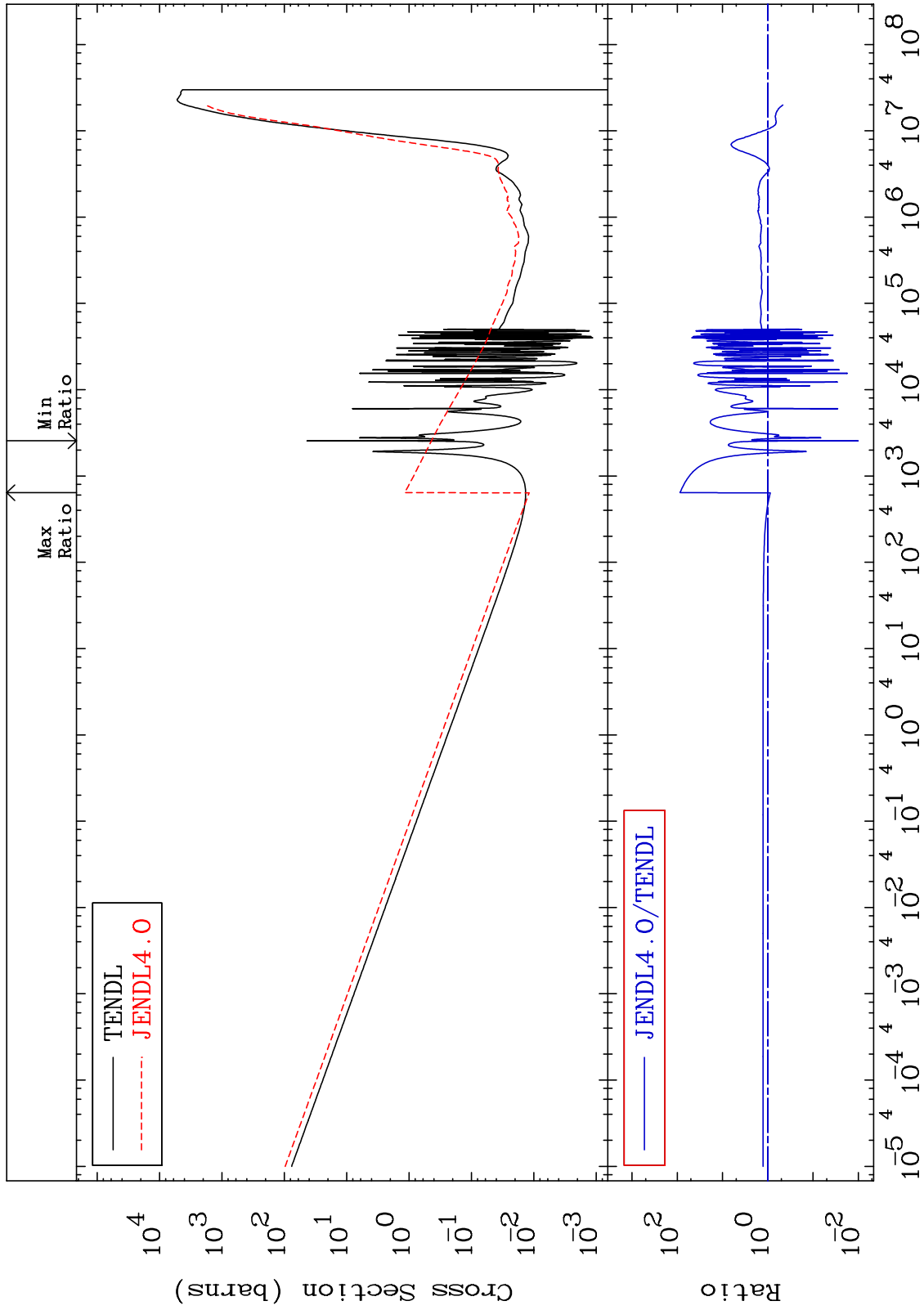
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa disappearance (mt102 -120)  
Cross Section

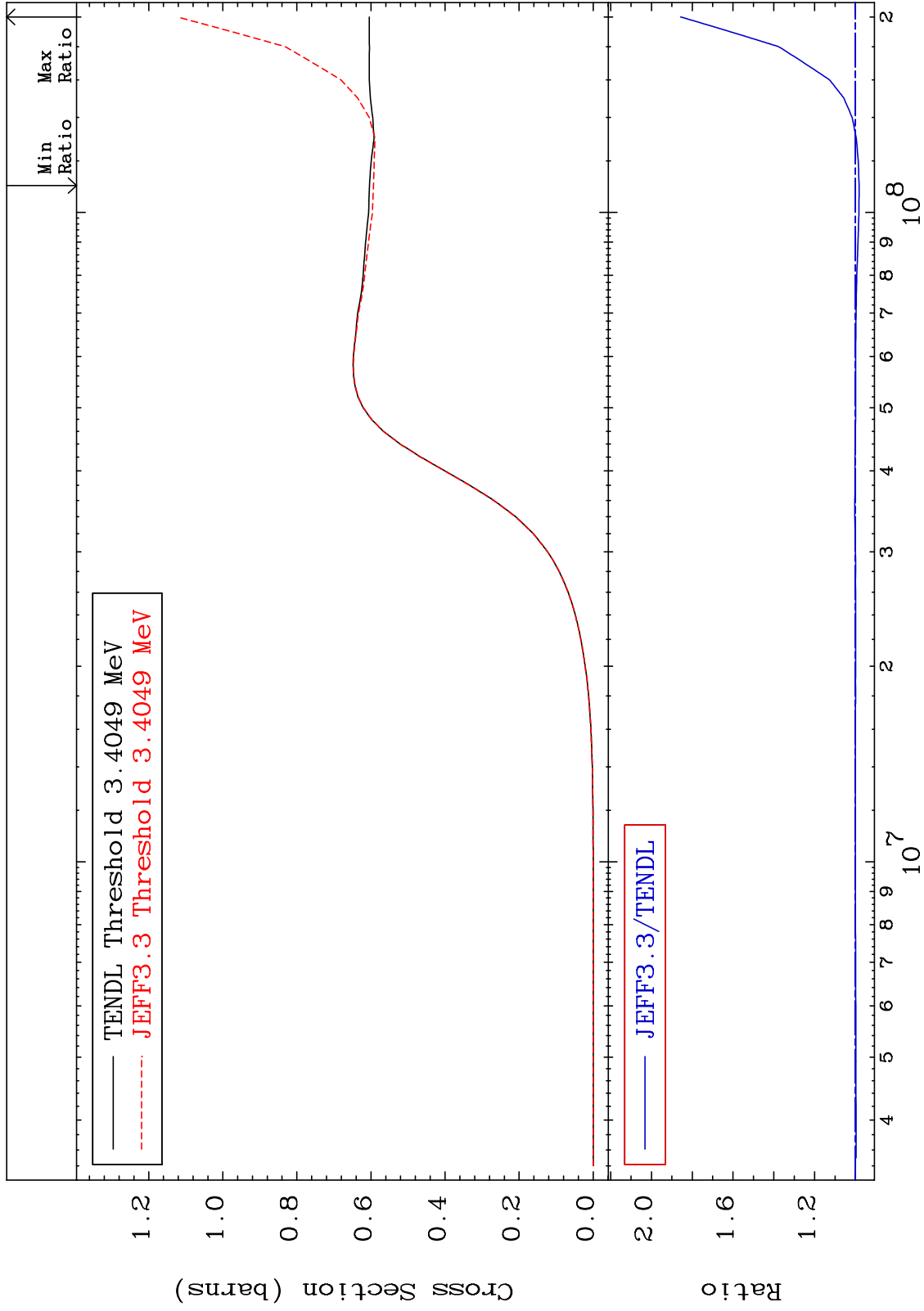
55-Cs-137  
-99.00 To 8589. %



MAT 5537

Hydrogen Production  
Cross Section

55-Cs-137  
-1.832 To 85.69 %



59

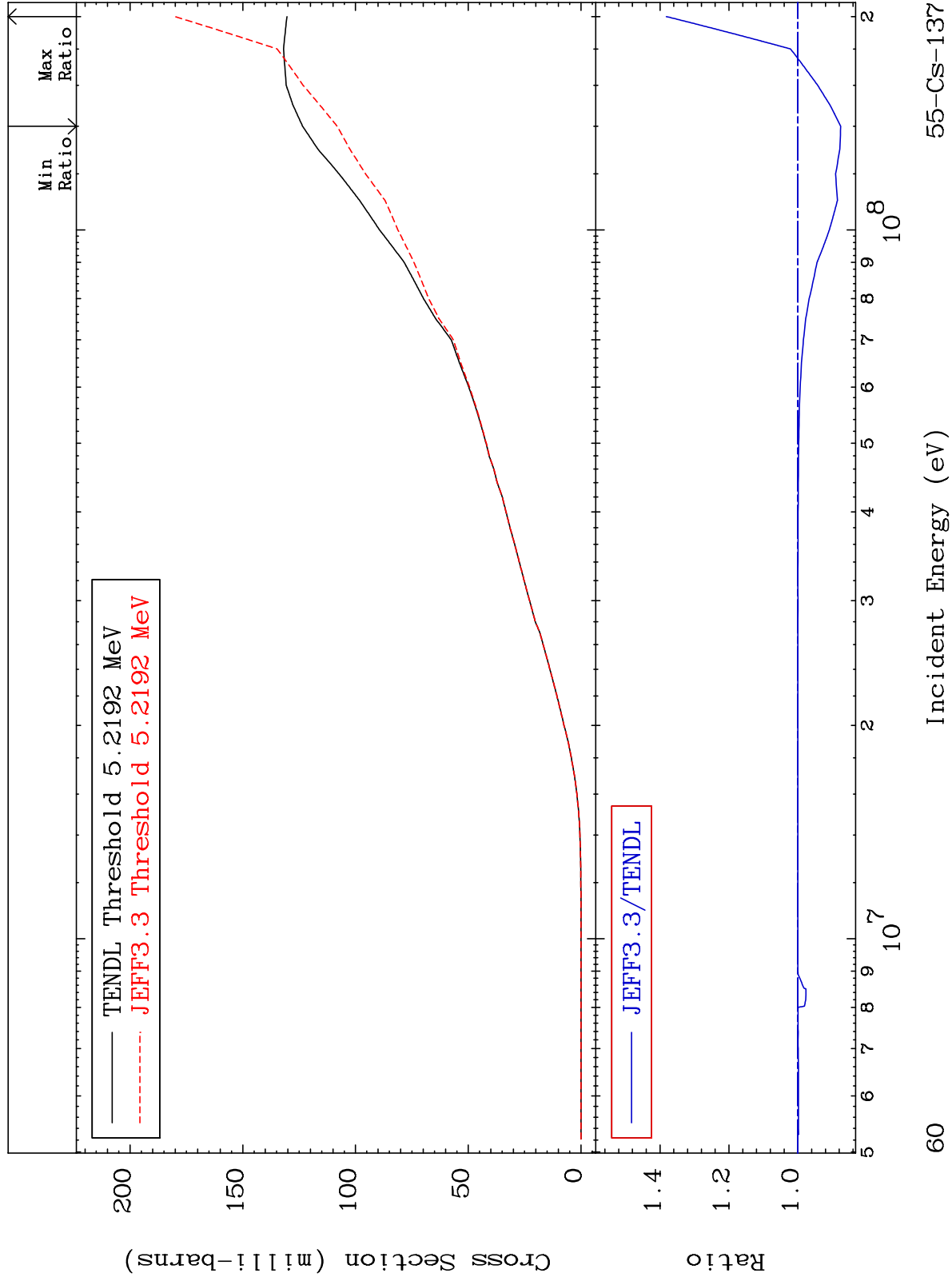
Incident Energy (eV)

55-Cs-137

MAT 5537

Deuterium Production  
Cross Section

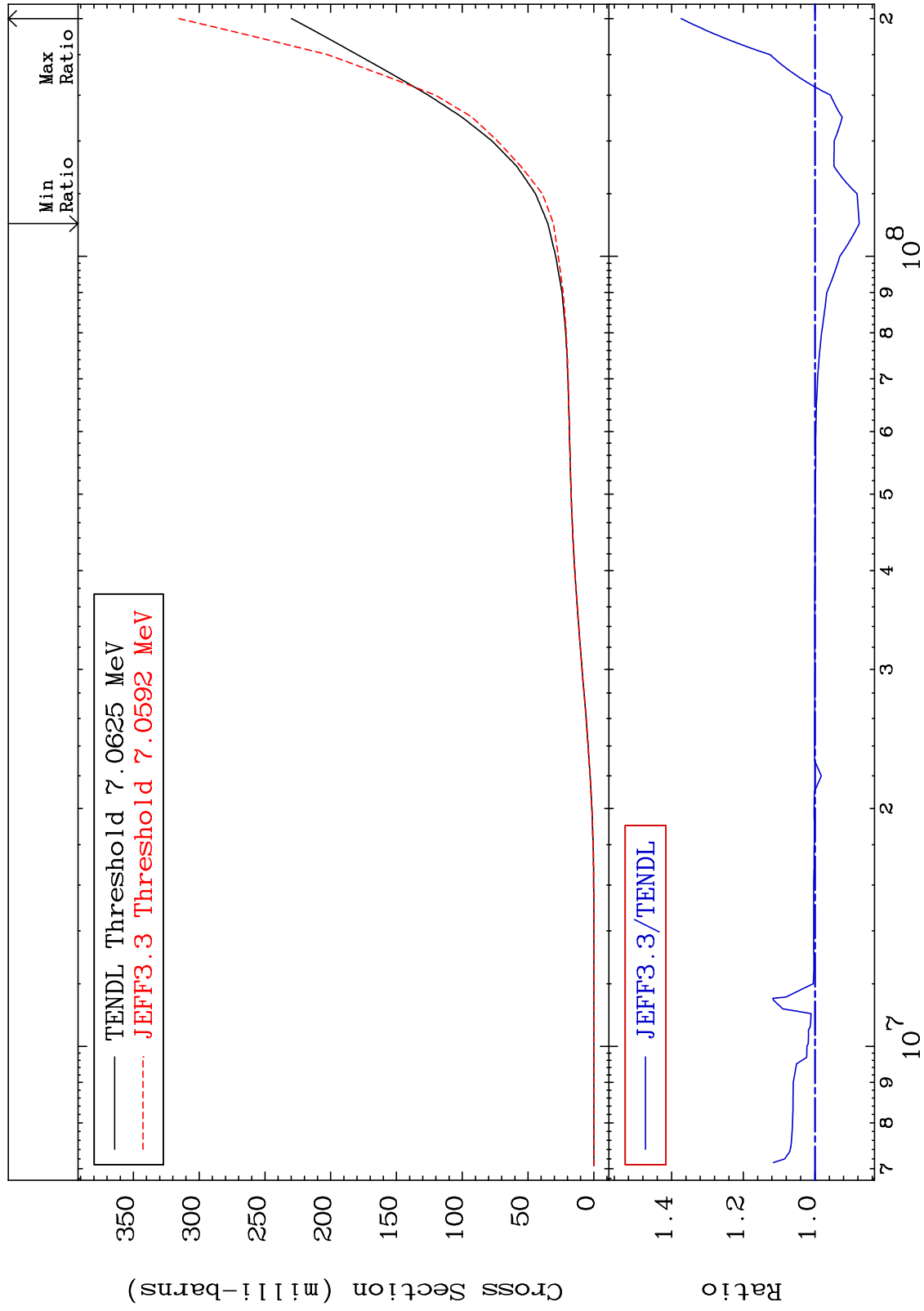
55-Cs-137  
-12.43 To 38.17 %



MAT 5537

Tritium Production  
Cross Section

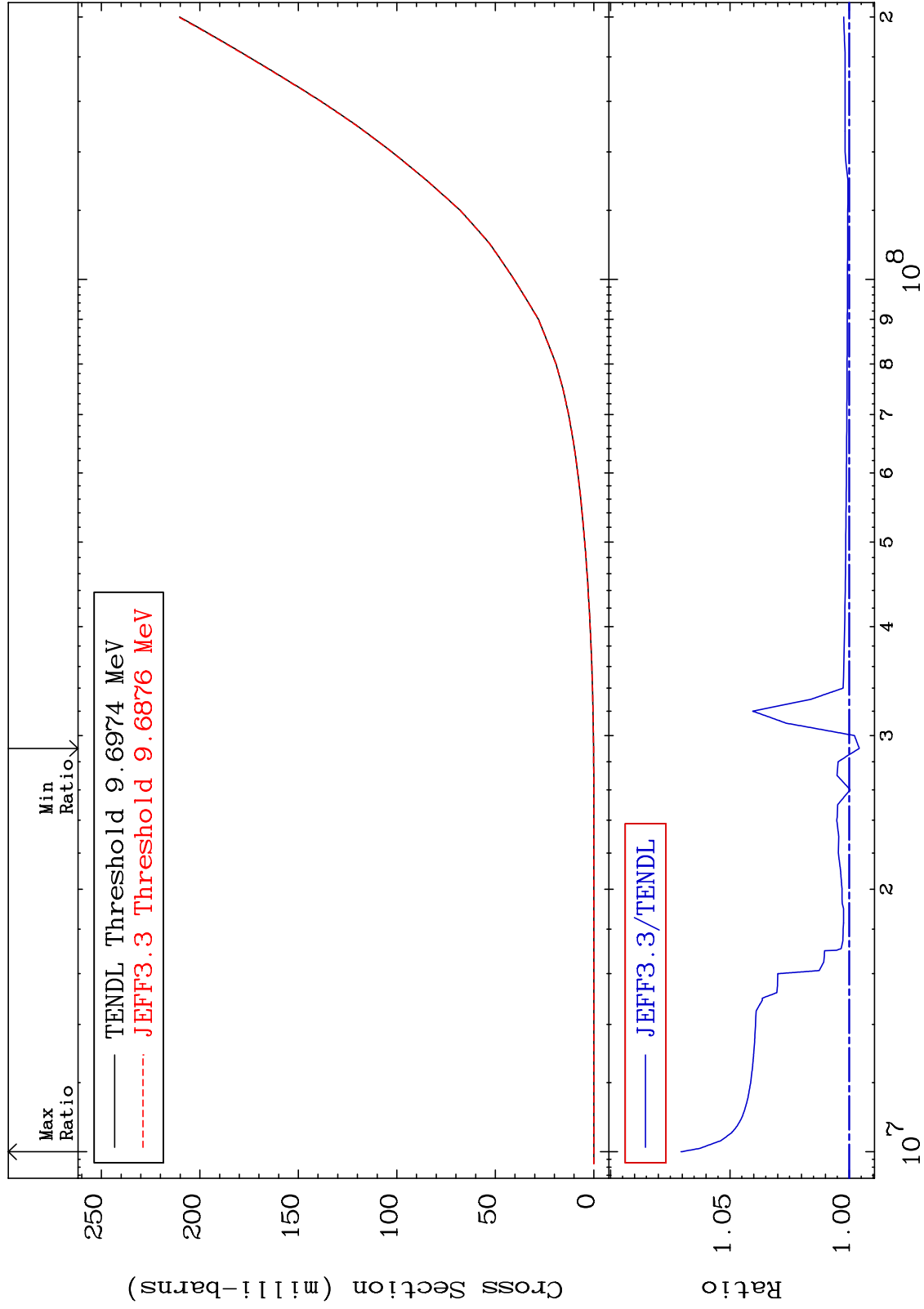
55-Cs-137  
-12.37 To 37.36 %



MAT 5537

He-3 Production  
Cross Section

55-Cs-137  
-0.421 To 7.049 %



55-Cs-137

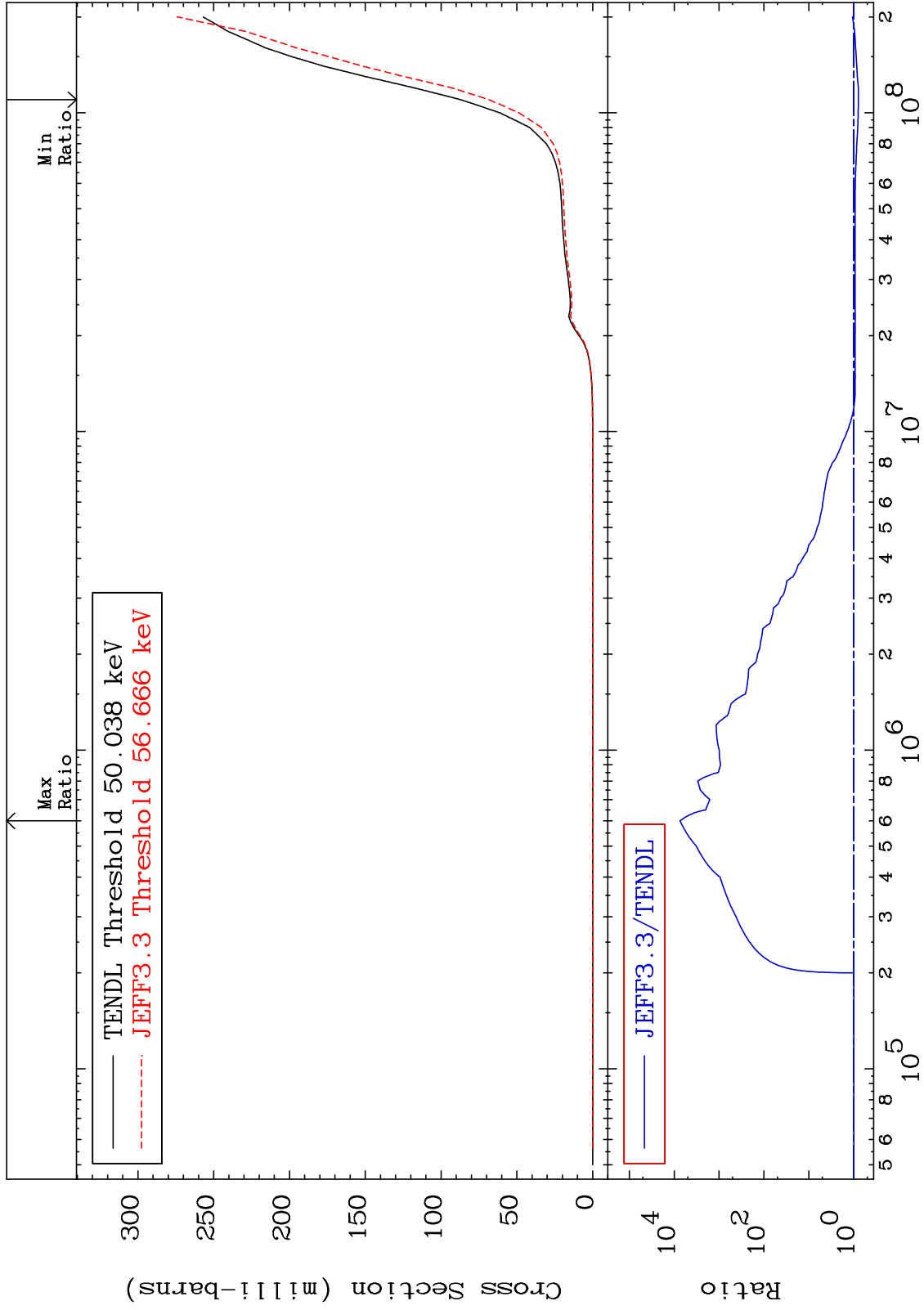
Incident Energy (eV)

62

MAT 5537

He-4 Production  
Cross Section

55-Cs-137  
-21.45 To 9999. %

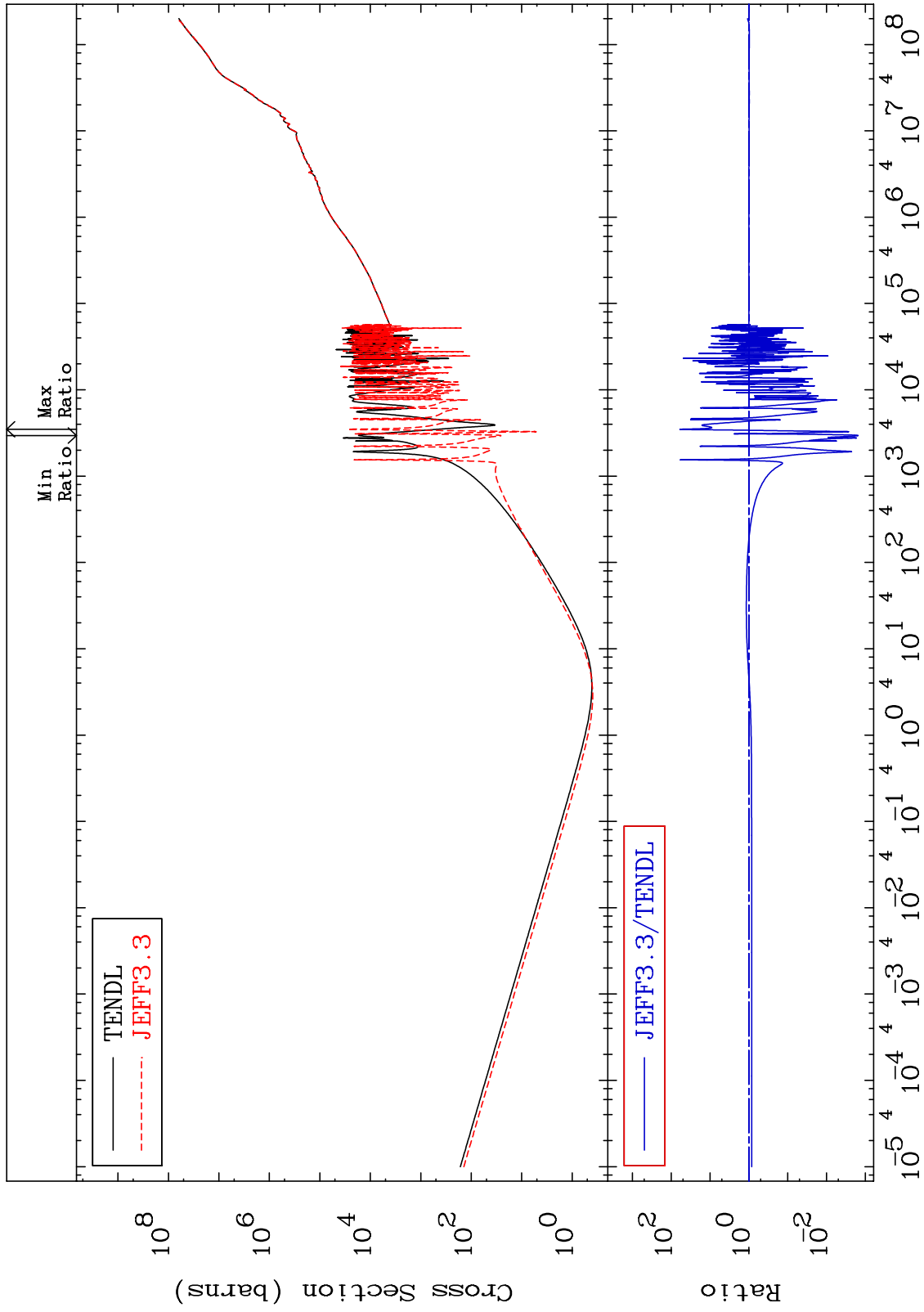




MAT 5537

Kerma total (eV-barns)  
Cross Section

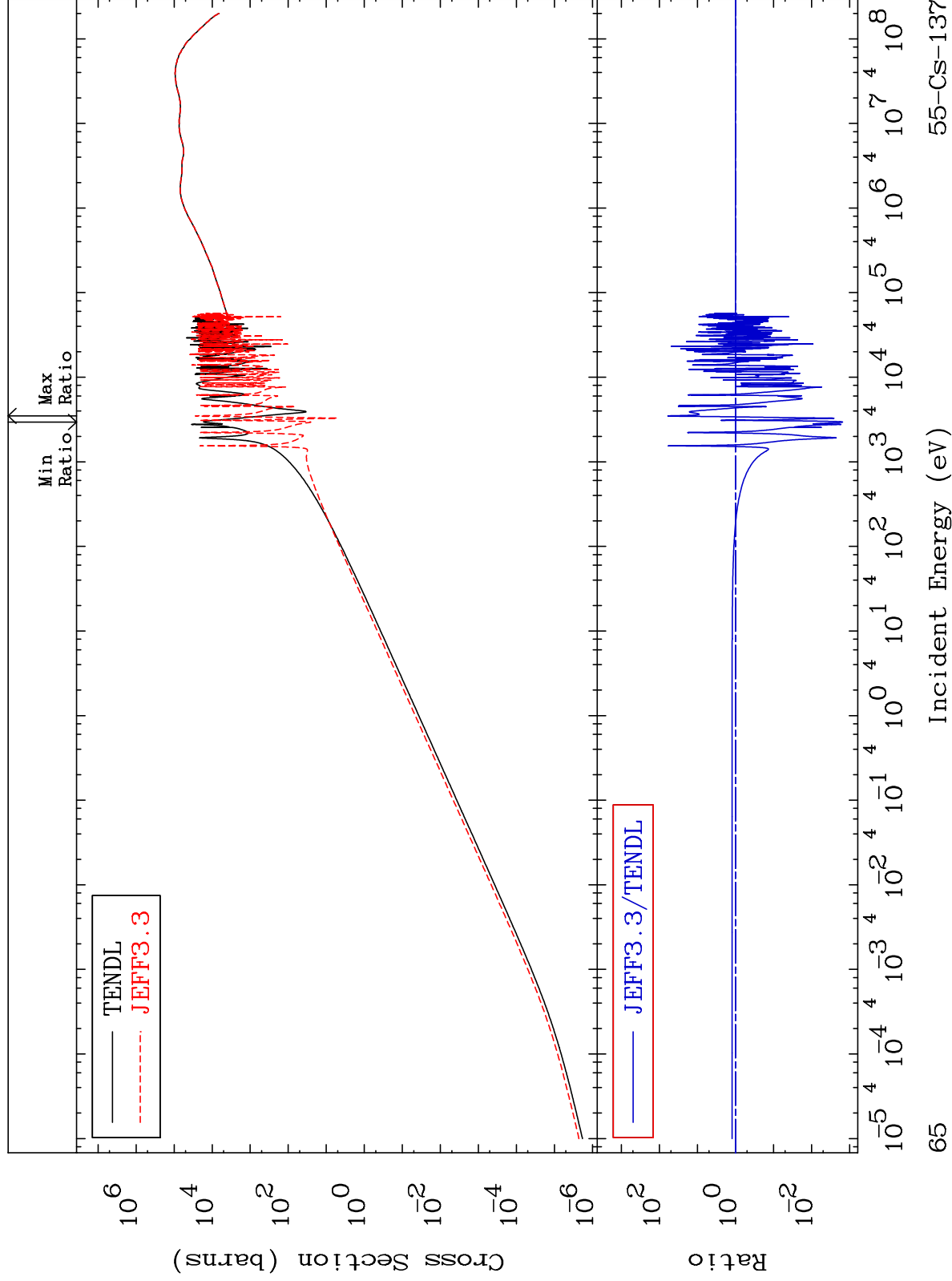
55-Cs-137  
-99.85 To 5867. %



MAT 5537

Kerma elastic  
Cross Section

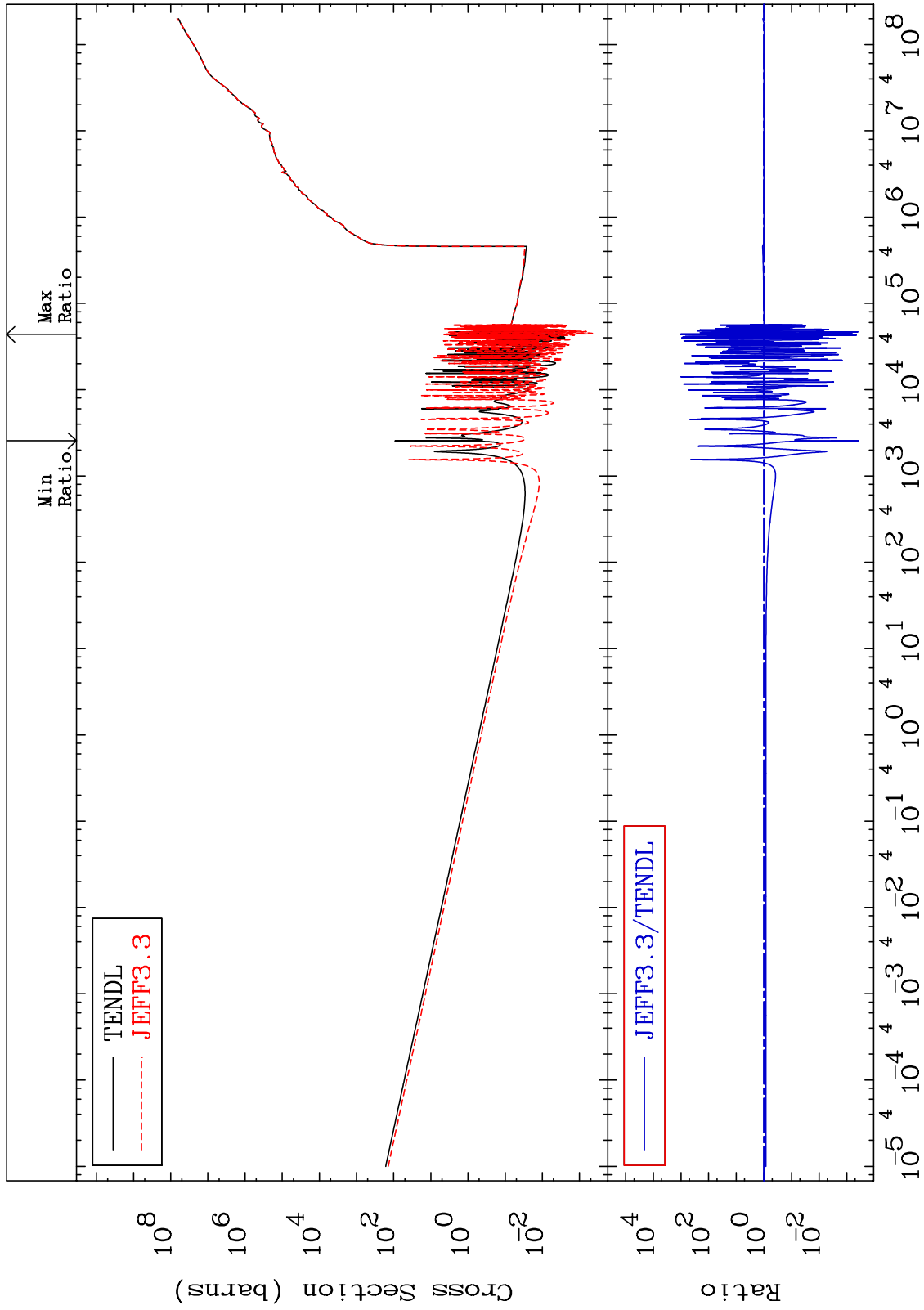
55-Cs-137  
-99.85 To 5866. %



MAT 5537

Kerma non-elastic (all but mt2)  
Cross Section

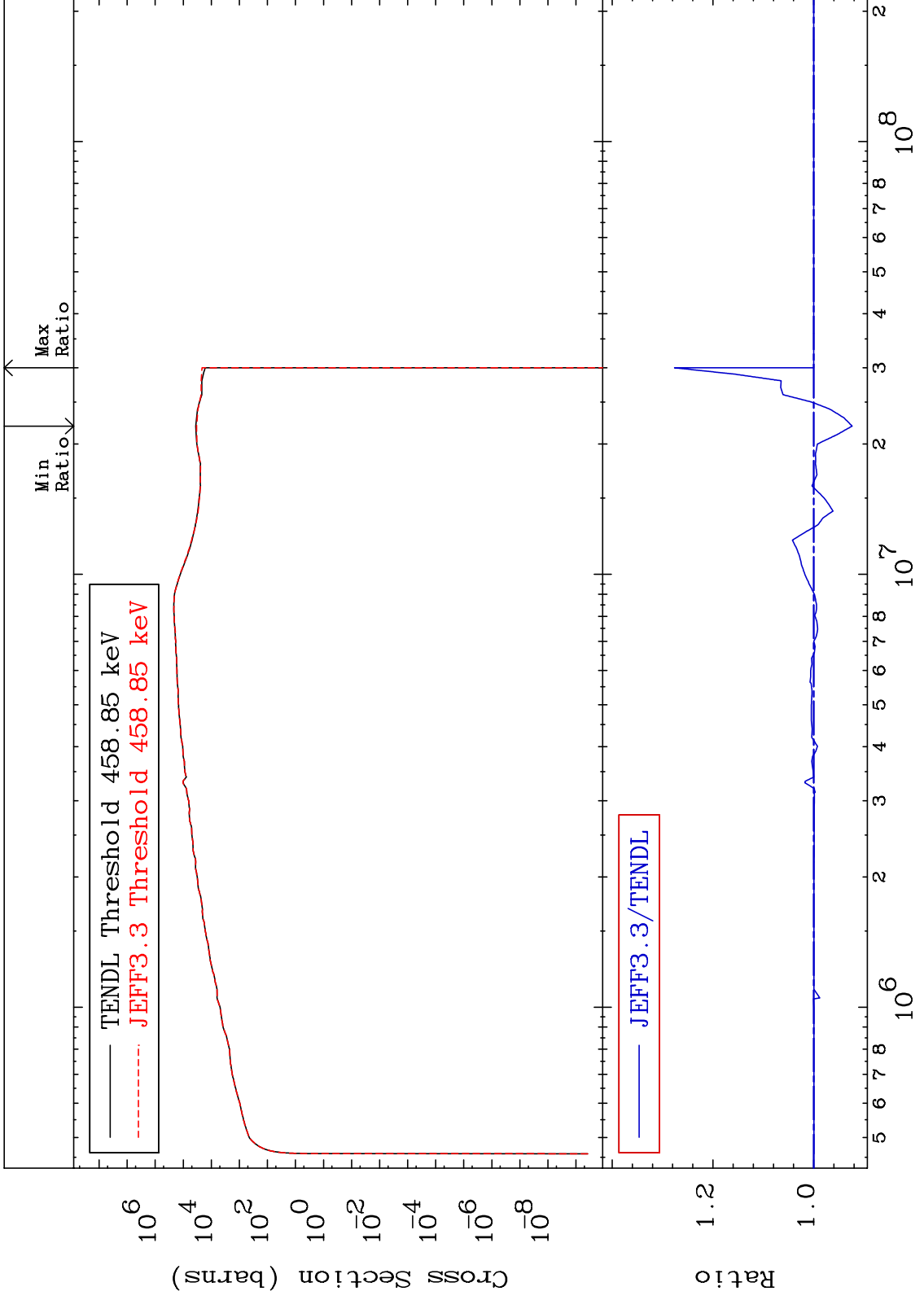
55-Cs-137  
-99.96 To 9999. %



MAT 5537

Kerma inelastic (mt51-91)  
Cross Section

55-Cs-137  
-7.631 To 27.62 %



67

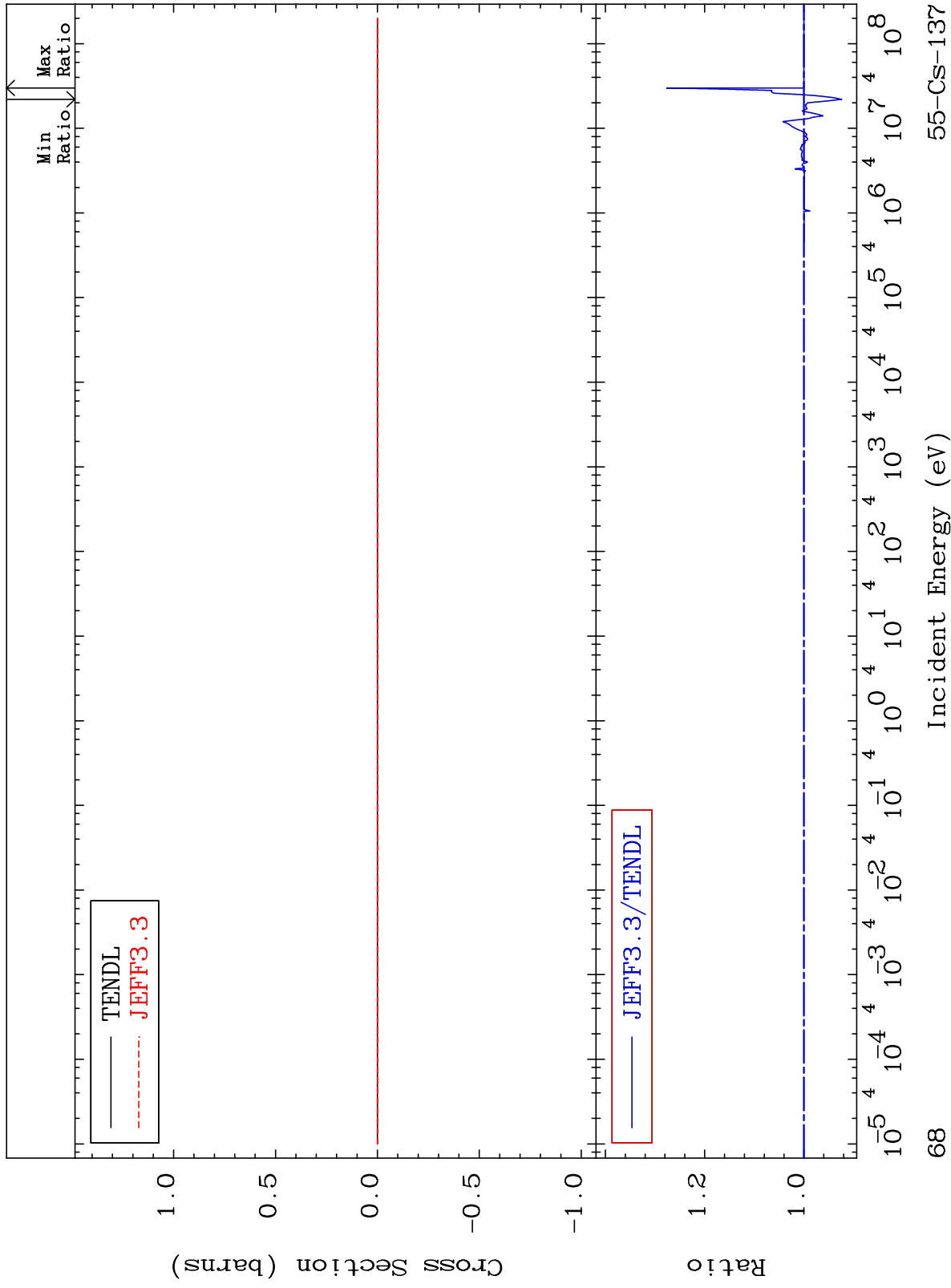
Incident Energy (eV)

55-Cs-137

MAT 5537

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

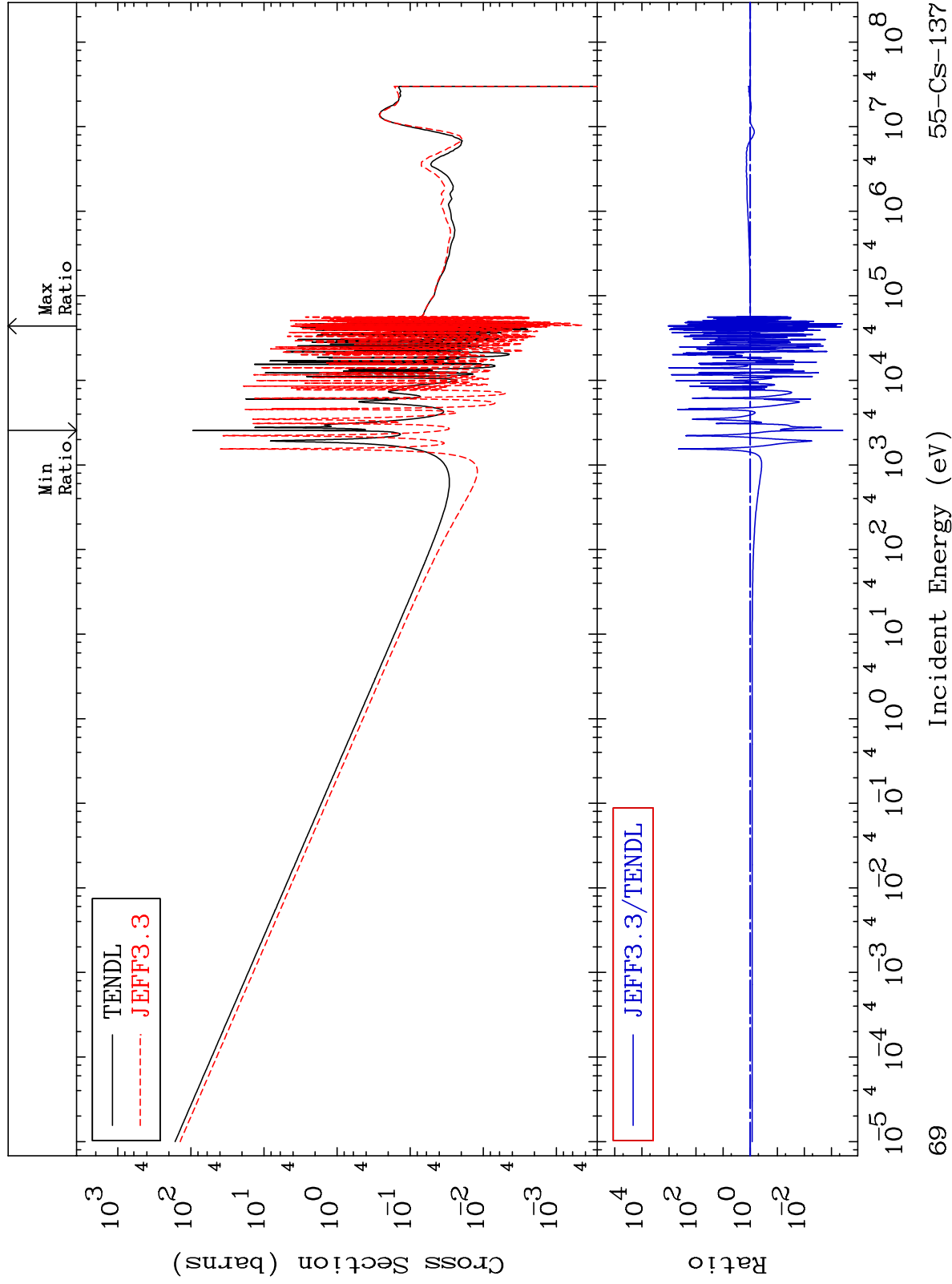
55-Cs-137  
-7.631 To 27.62 %



MAT 5537

Kerma capture (mt102)  
Cross Section

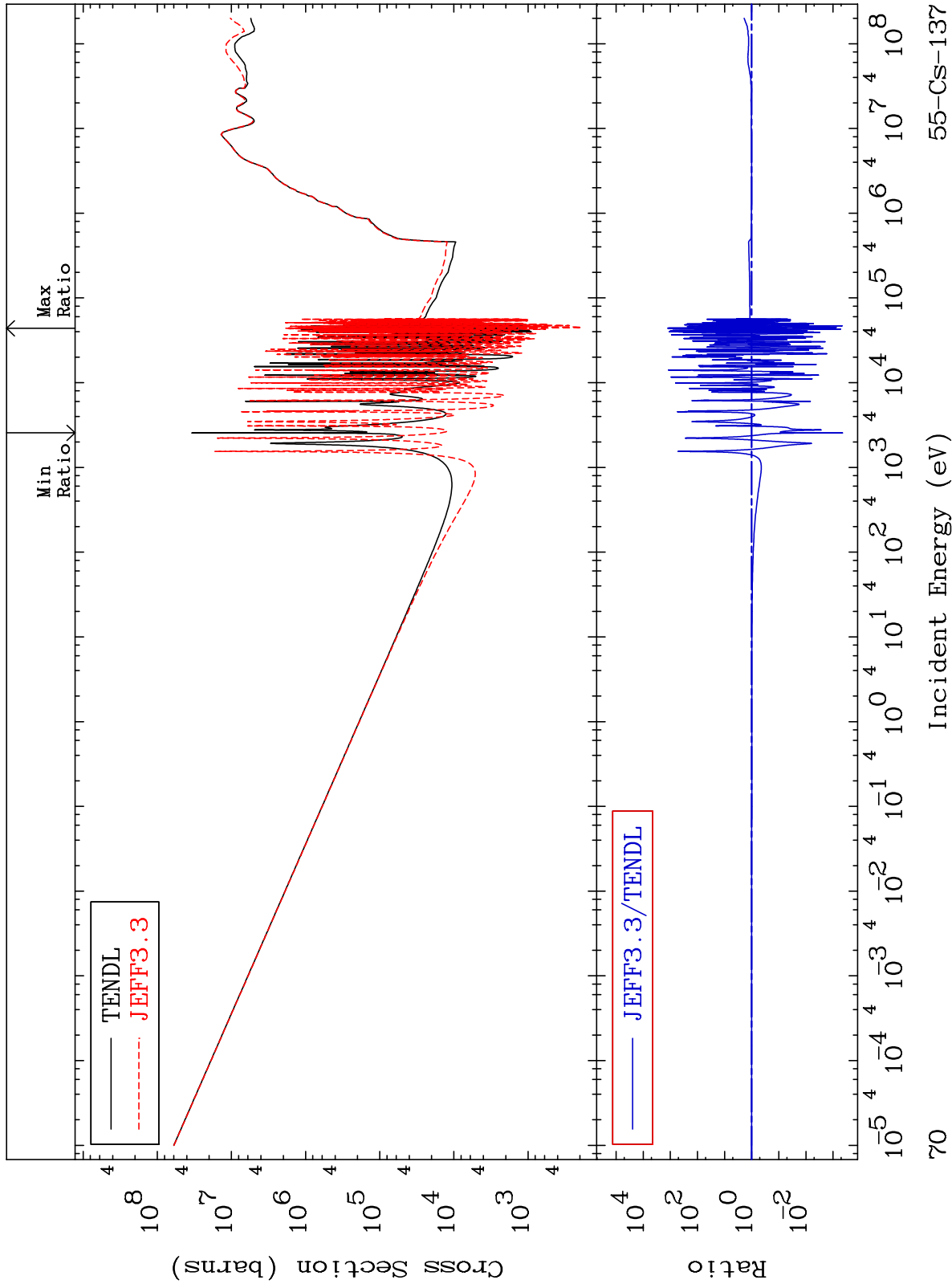
55-Cs-137  
-99.96 To 9999. %



MAT 5537

Total photon (eV-barns)  
Cross Section

55-Cs-137  
-99.96 To 9999. %



70

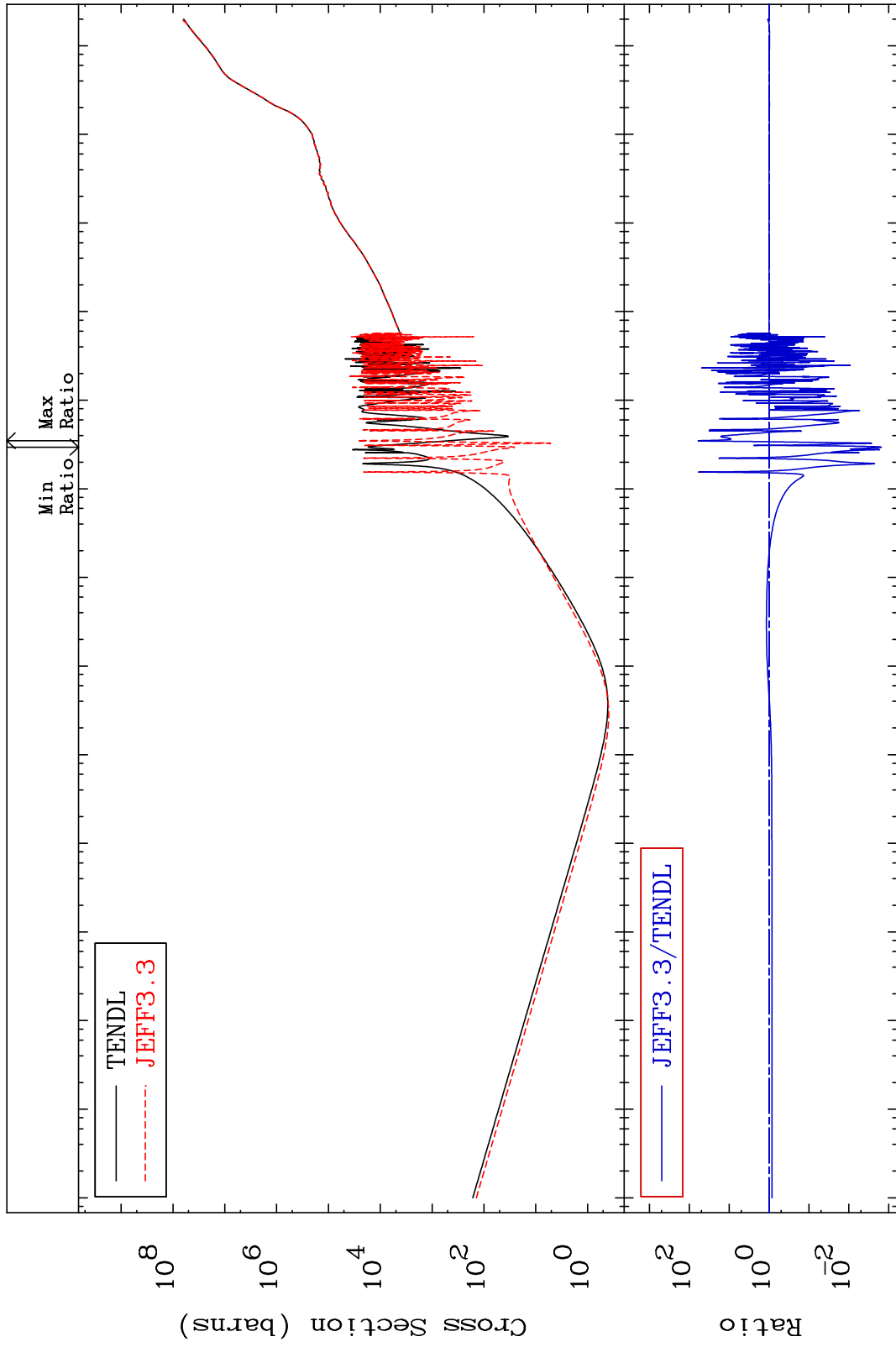
Incident Energy (eV)

55-Cs-137

MAT 5537

Total kinematic kerma (high limit)  
Cross Section

55-Cs-137  
-99.85 To 5867. %



71

Incident Energy (eV)

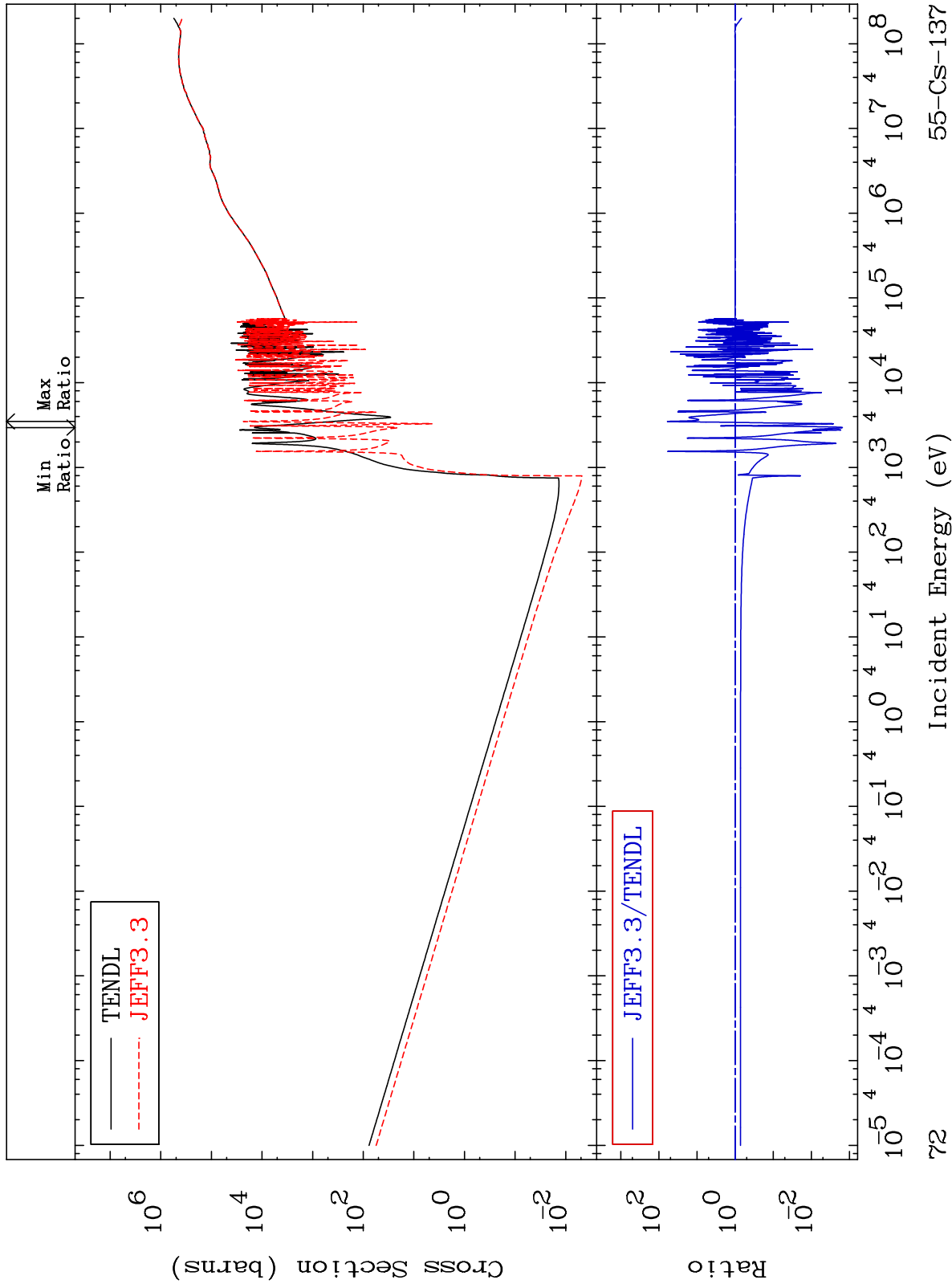
55-Cs-137



MAT 5537

Dpa total (eV-barns)  
Cross Section

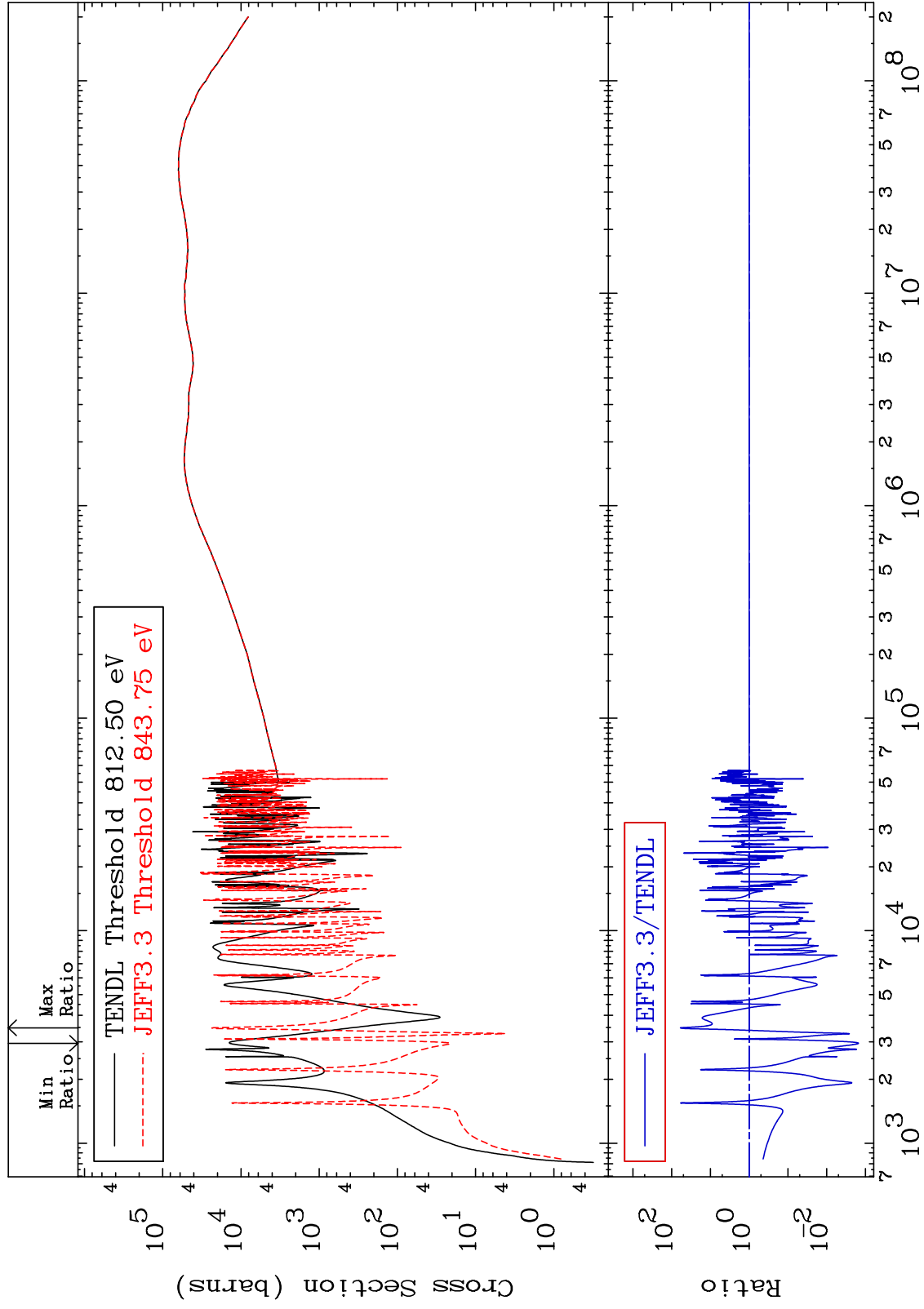
55-Cs-137  
-99.85 To 5866. %



MAT 5537

Dpa elastic (mt2)  
Cross Section

55-Cs-137  
-99.85 To 5866. %



73

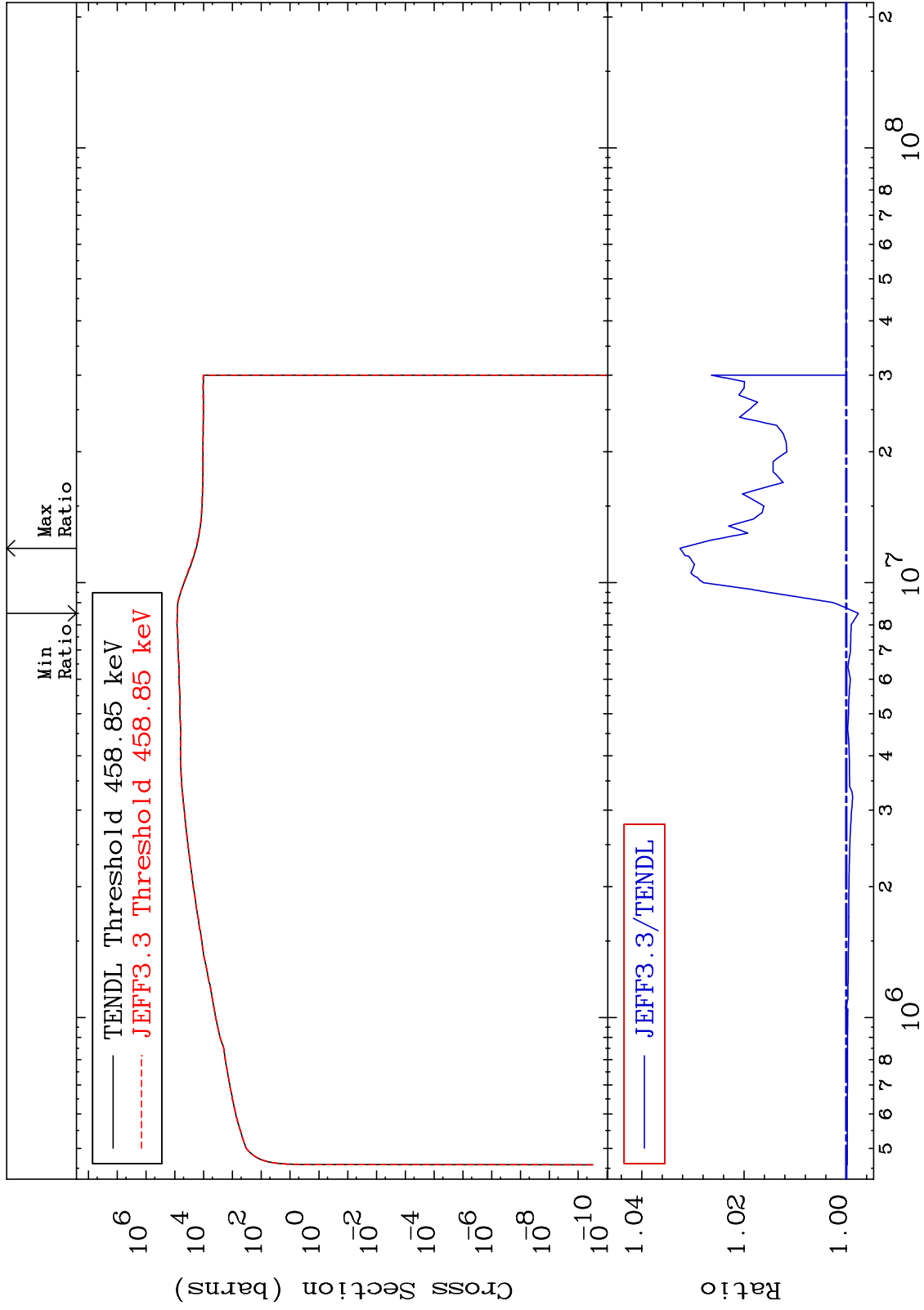
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa inelastic (mt51-91)  
Cross Section

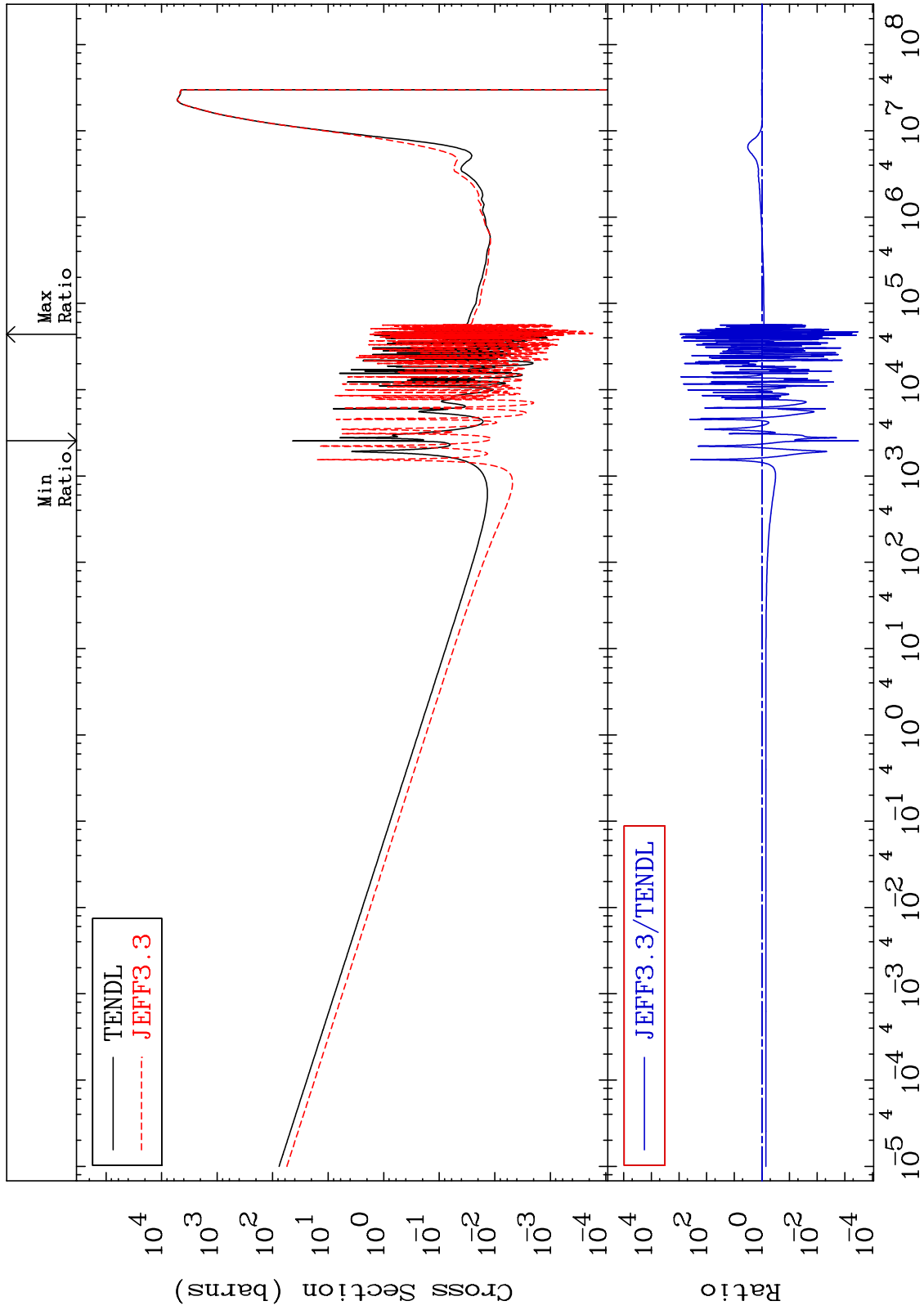
55-Cs-137  
-0.238 To 3.252 %



MAT 5537

Dpa disappearance (mt102 -120)  
Cross Section

55-Cs-137  
-99.97 To 9999. %



75

Incident Energy (eV)

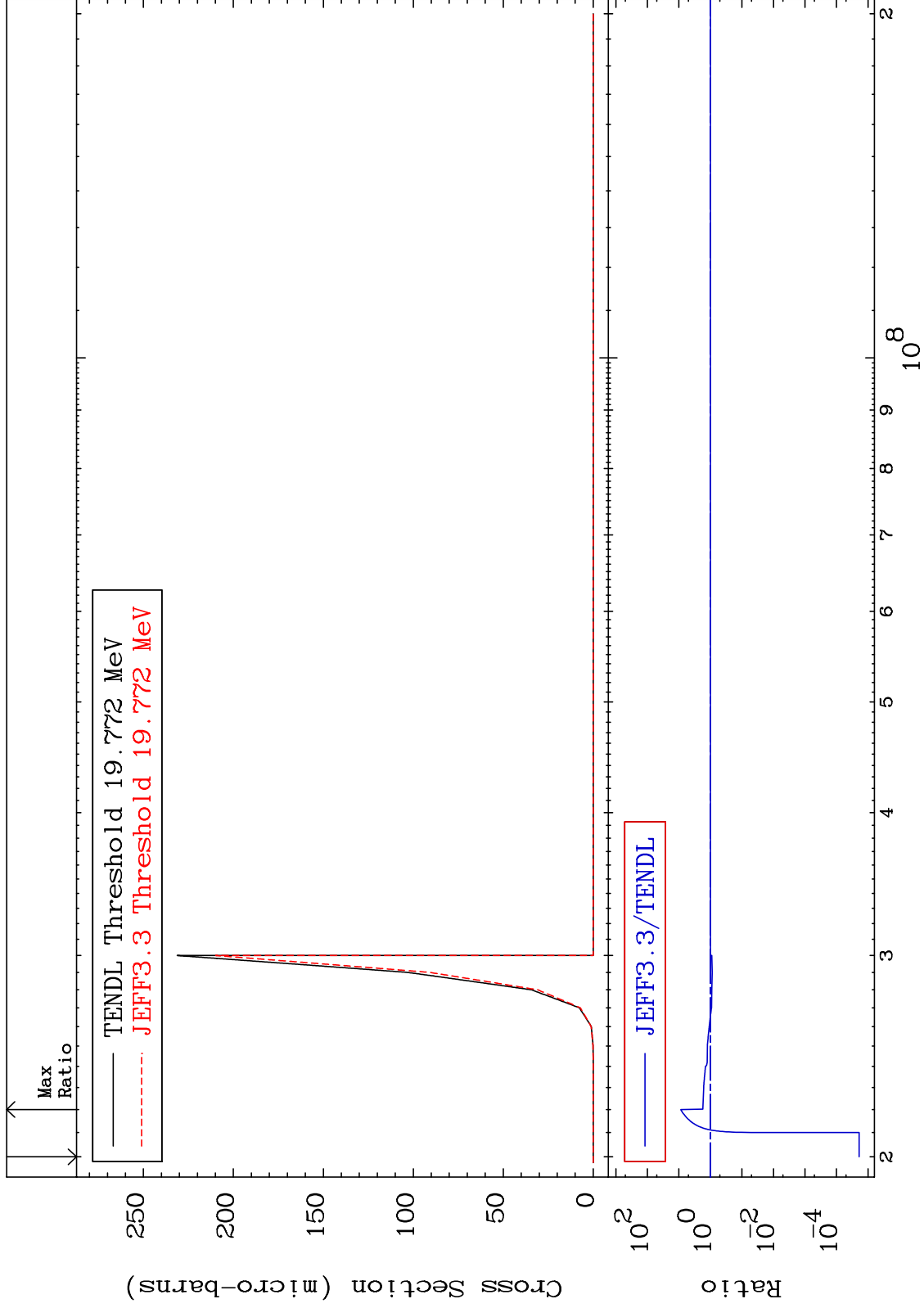
55-Cs-137

MAT 5537

(n,2n) d:54-Xe-134g

55-Cs-137

Radionuclide Production Cross Section -100.0 To 781.3 %



76

Incident Energy (eV)

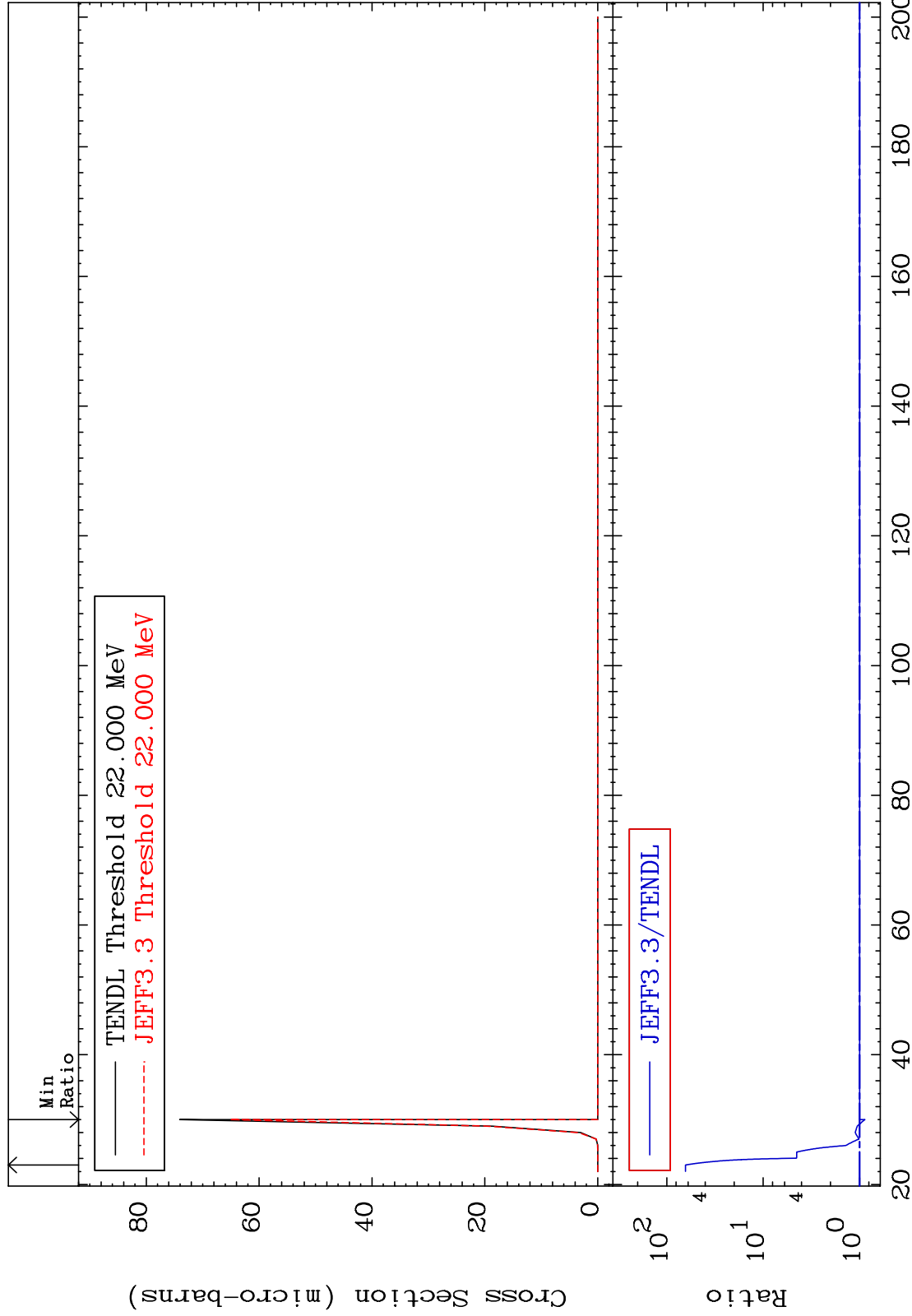
55-Cs-137

MAT 5537

(n,2n) d:54-Xe-134m7

55-Cs-137

Radionuclide Production Cross Section -11.99 To 6282. %



77

Incident Energy (MeV)

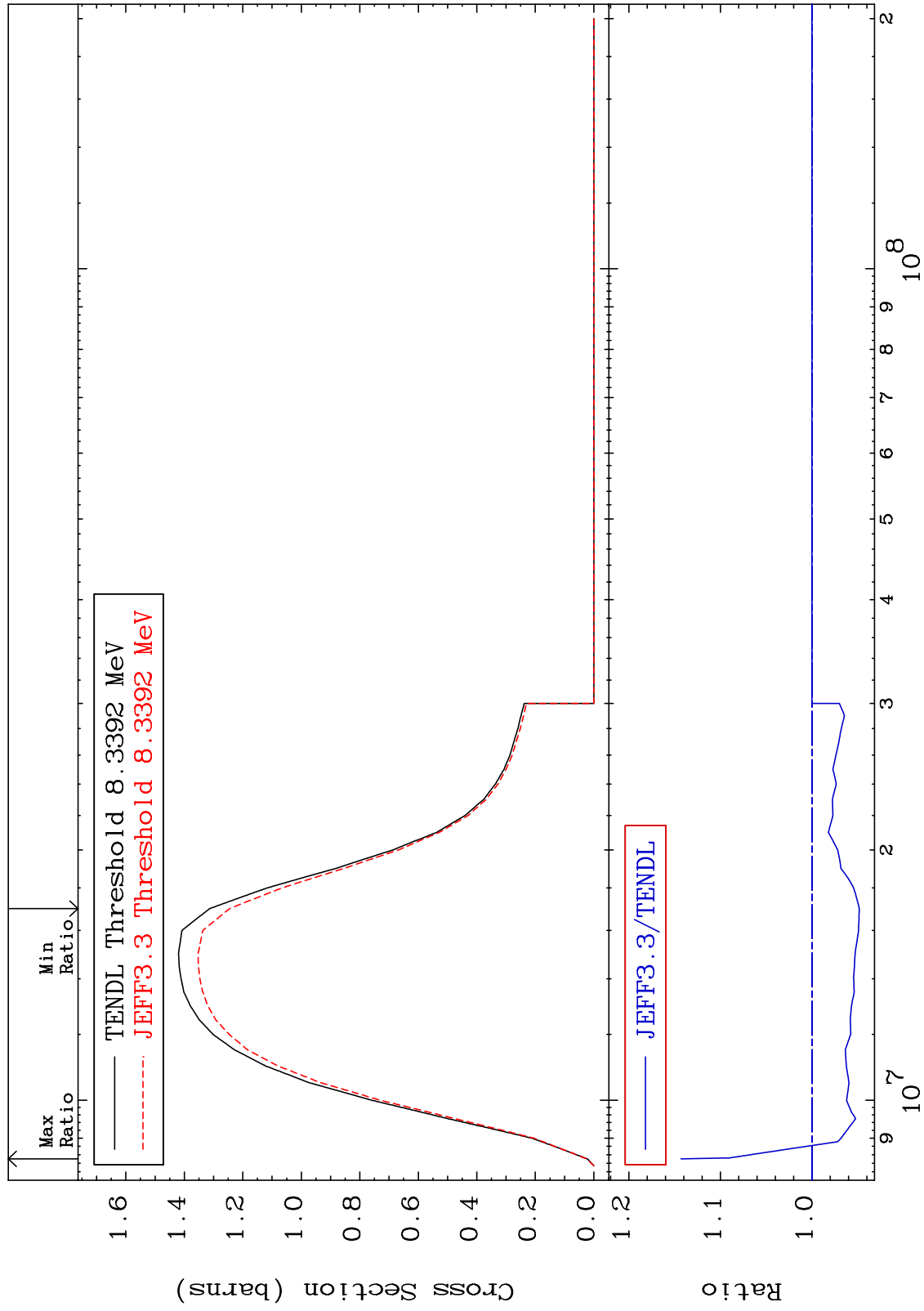
55-Cs-137

MAT 5537

(n,2n):55-Cs-136g

55-Cs-137

Radionuclide Production Cross Section -5.169 To 14.30 %



78

Incident Energy (eV)

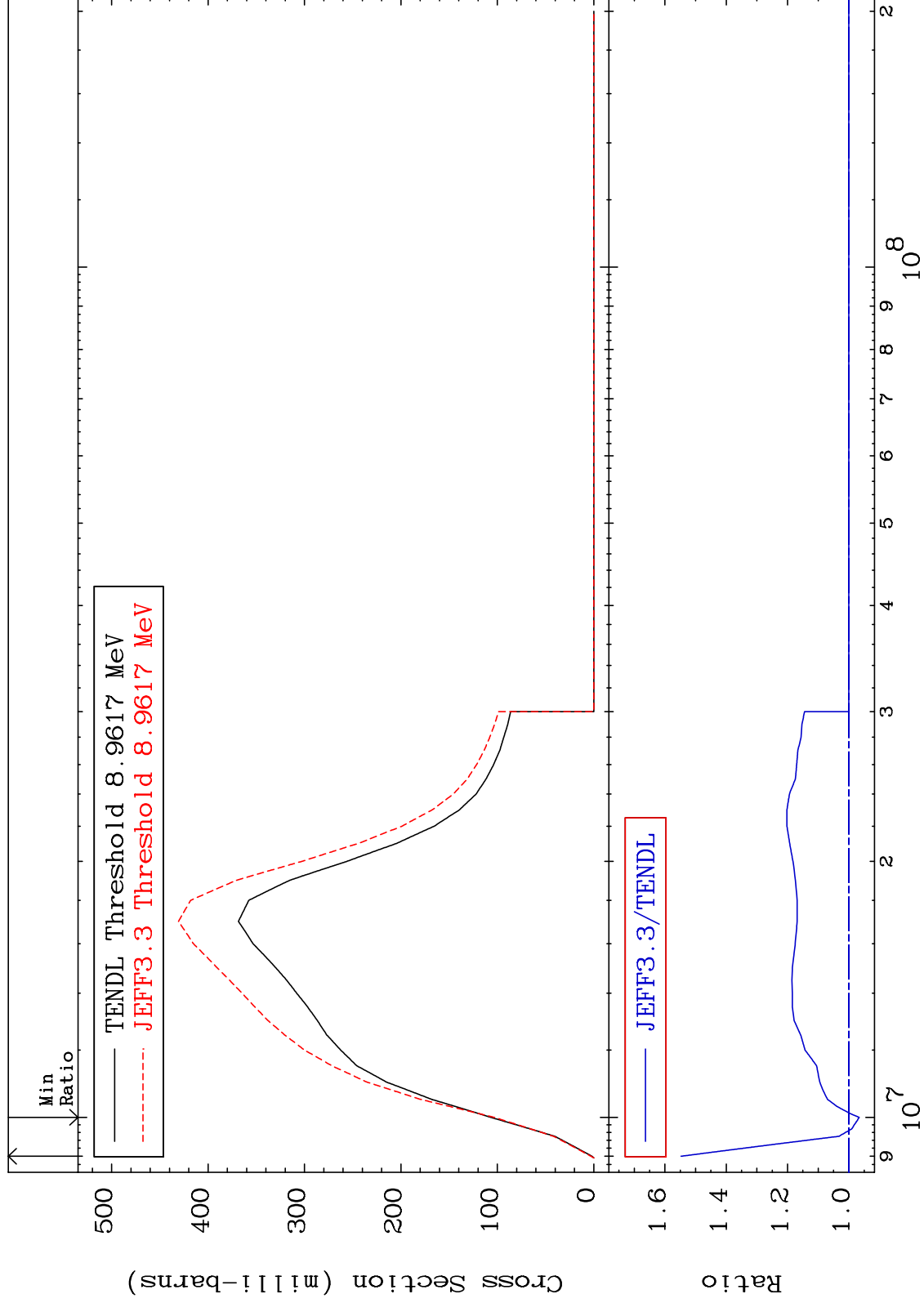
55-Cs-137

MAT 5537

(n,2n):55-Cs-136m1

55-Cs-137

Radionuclide Production Cross Section -3.392 To 54.75 %



79

Incident Energy (eV)

55-Cs-137



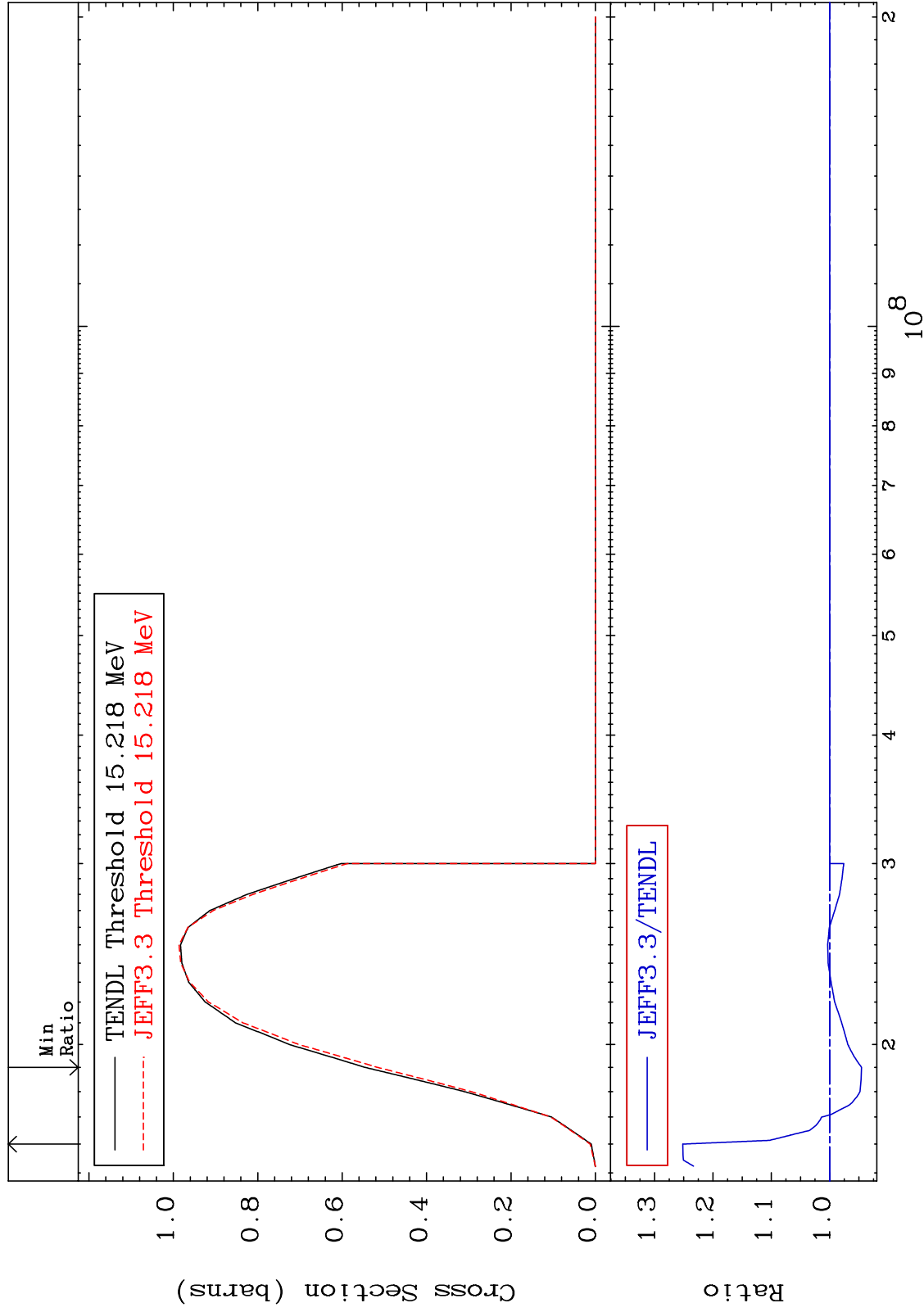
MAT 5537

(n,3n):55-Cs-135g

55-Cs-137

Radionuclide Production Cross Section

-5.467 To 25.16 %



80

Incident Energy (eV)

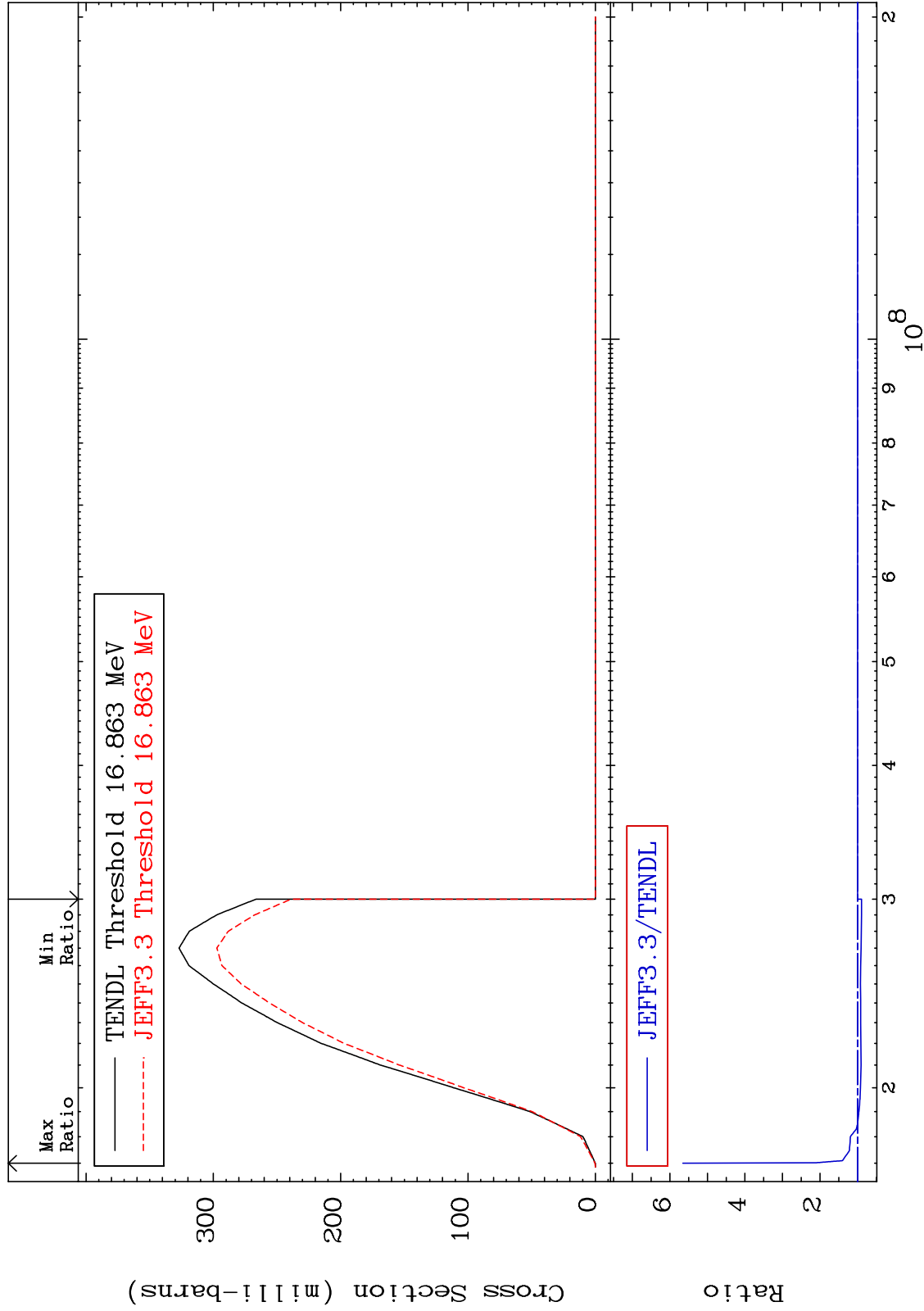
55-Cs-137

MAT 5537

(n,3n):55-Cs-135m10

55-Cs-137

Radionuclide Production Cross Section -10.37 To 465.3 %

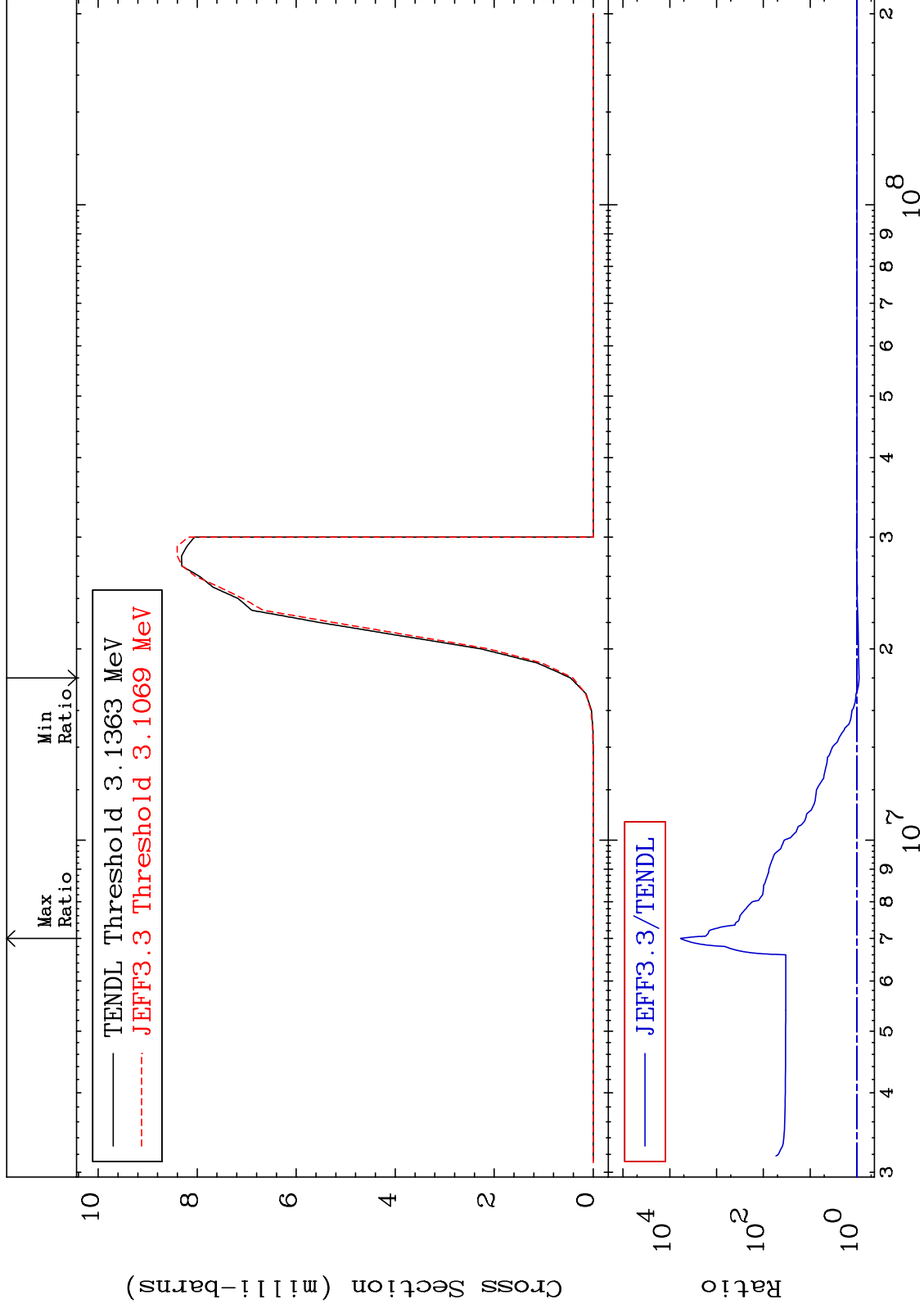


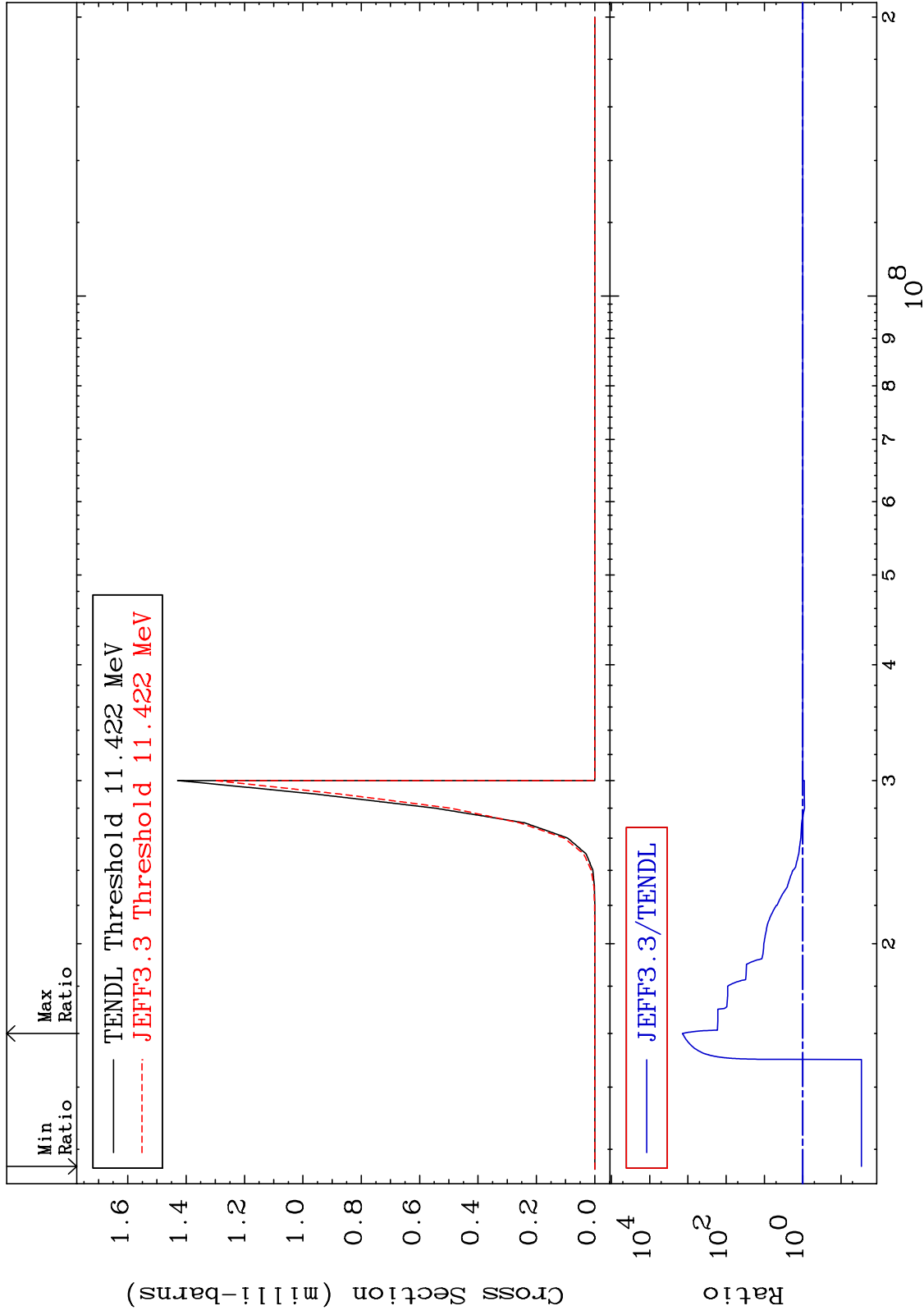
MAT 5537

(n, n')  $\alpha$ :53-I -133g

55-Cs-137

Radionuclide Production Cross Section -10.22 To 9999. %



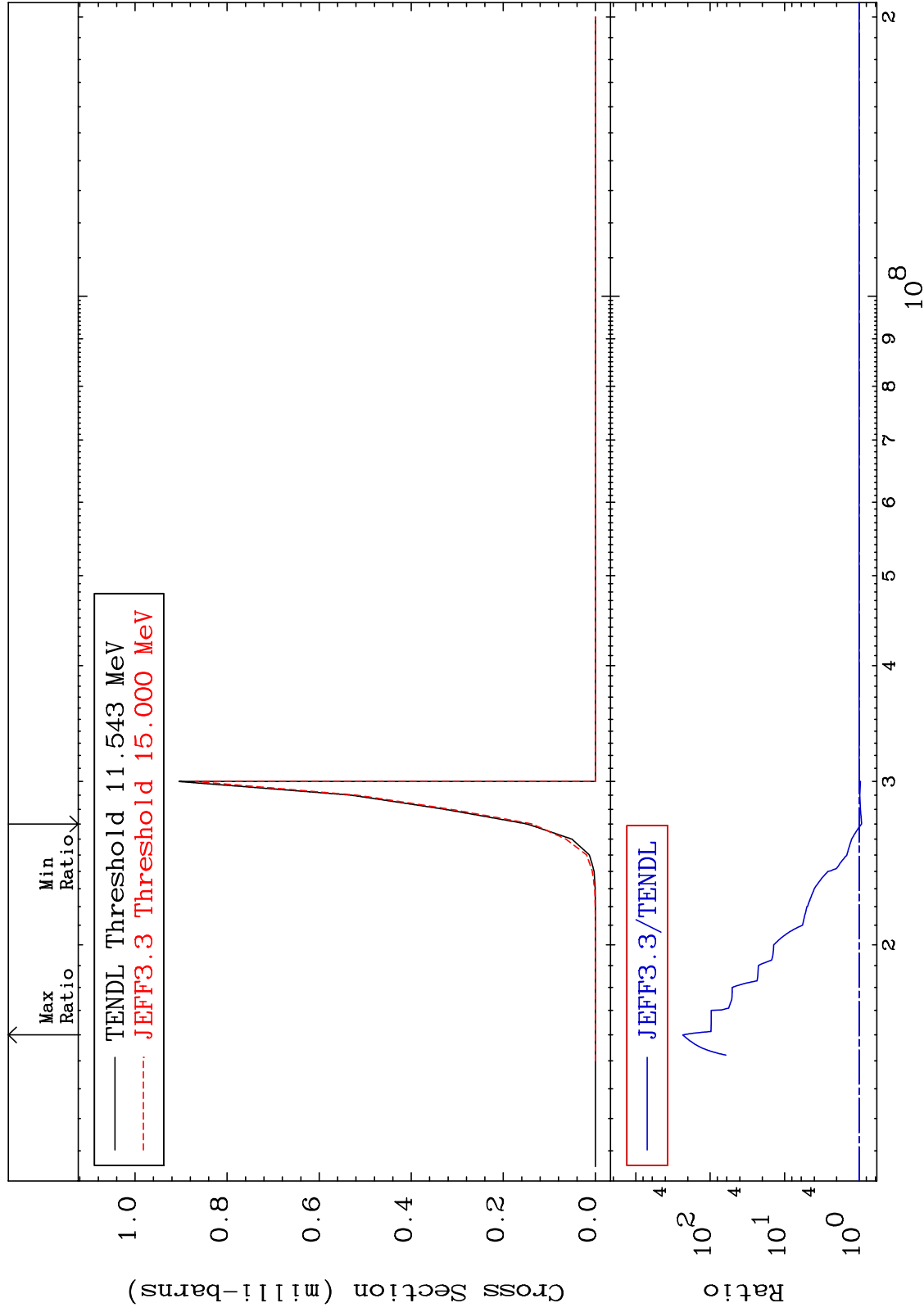


MAT 5537

(n,2n)  $\alpha$ :53-1 -132m3

55-Cs-137

Radionuclide Production Cross Section -7.371 To 9999. %



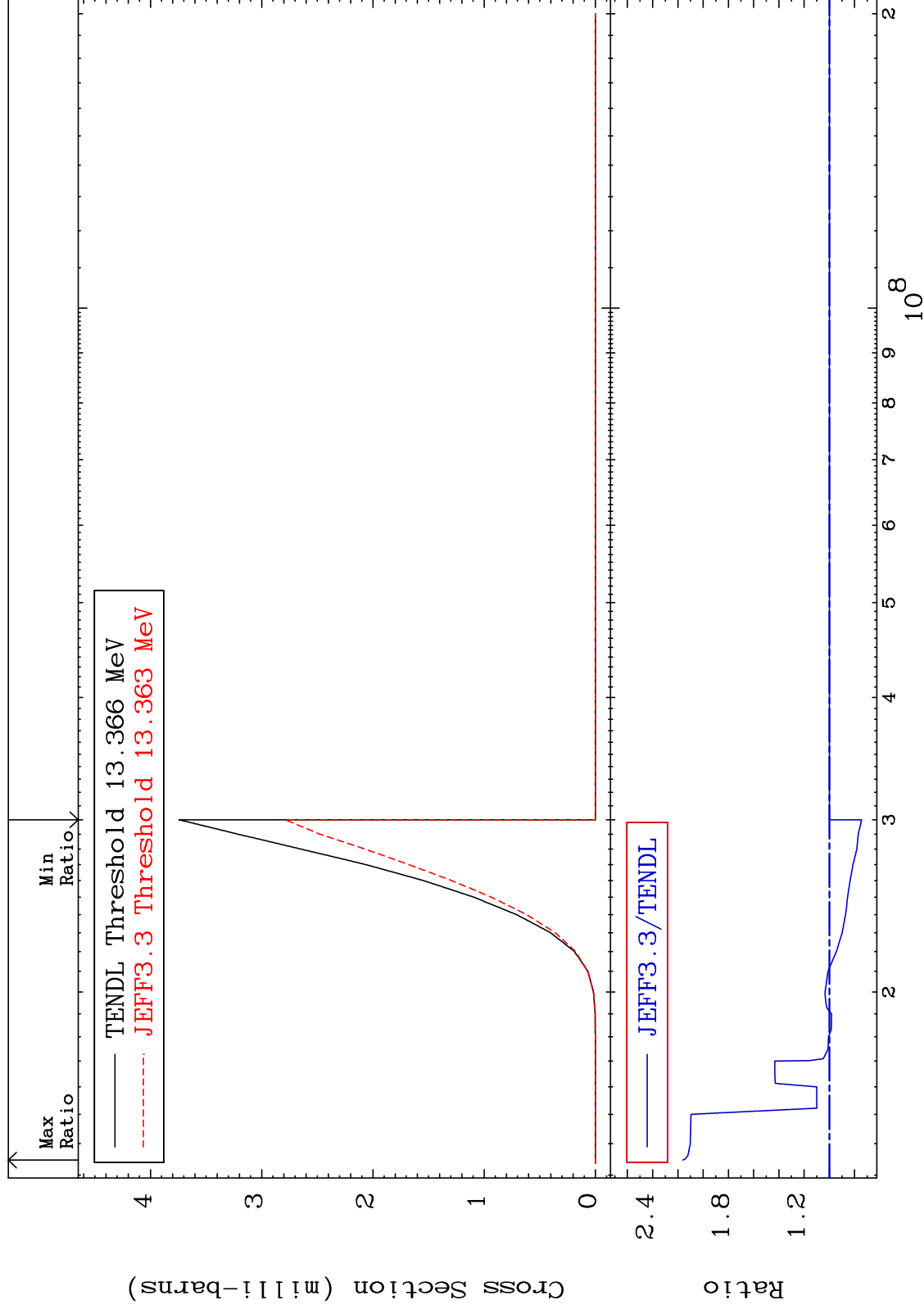
MAT 5537

(n, n') d:54-Xe-135g

55-Cs-137

Radionuclide Production Cross Section

-25.51 To 116.1 %



85

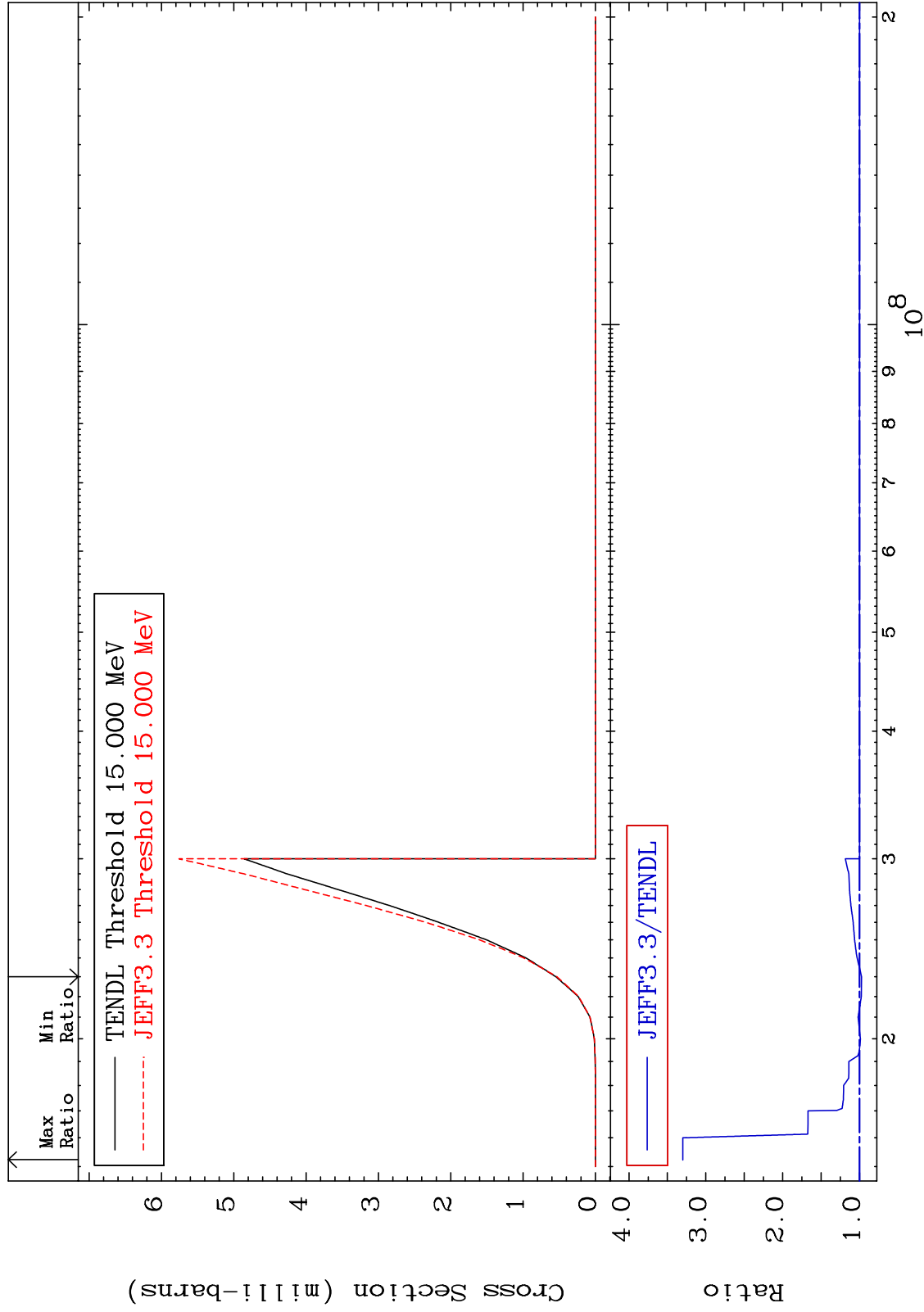
55-Cs-137

MAT 5537

(n, n') d:54-Xe-135m2

55-Cs-137

Radionuclide Production Cross Section -2.688 To 229.9 %



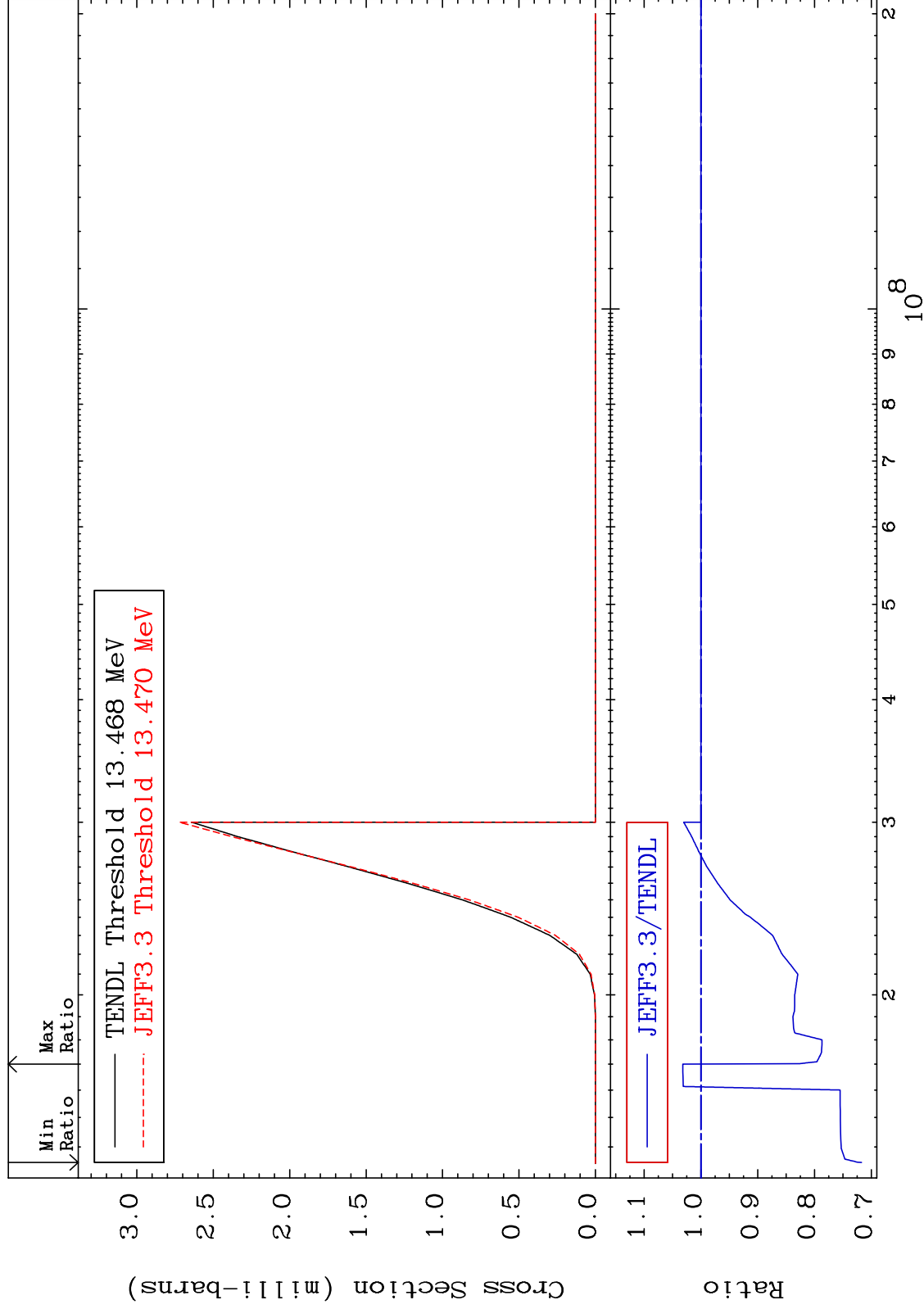
MAT 5537

(n, n') t:54-Xe-134g

55-Cs-137

Radionuclide Production Cross Section

-28.28 To 3.183 %



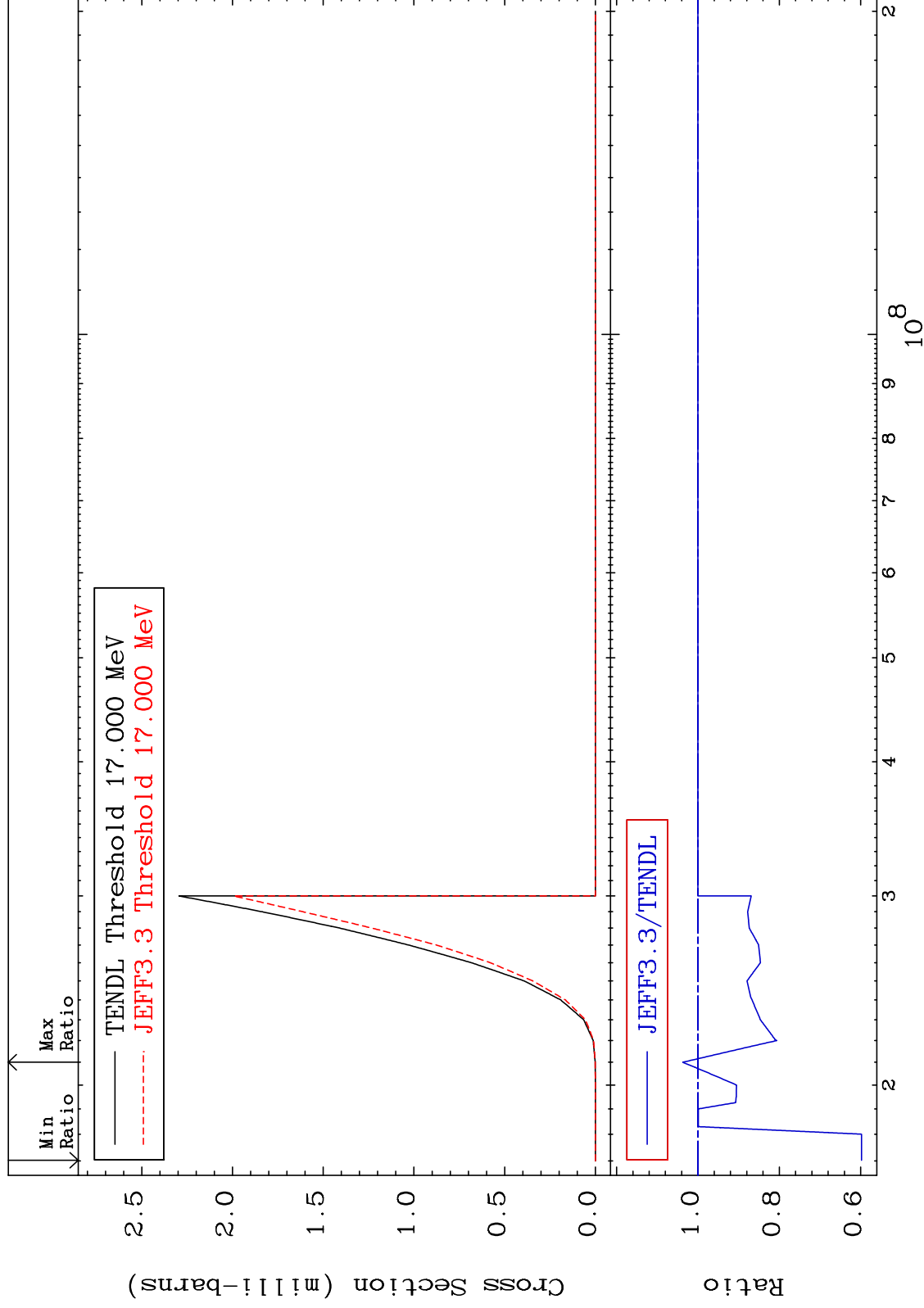


MAT 5537

(n, n') t:54-Xe-134m7

55-Cs-137

Radionuclide Production Cross Section -40.23 To 3.709 %

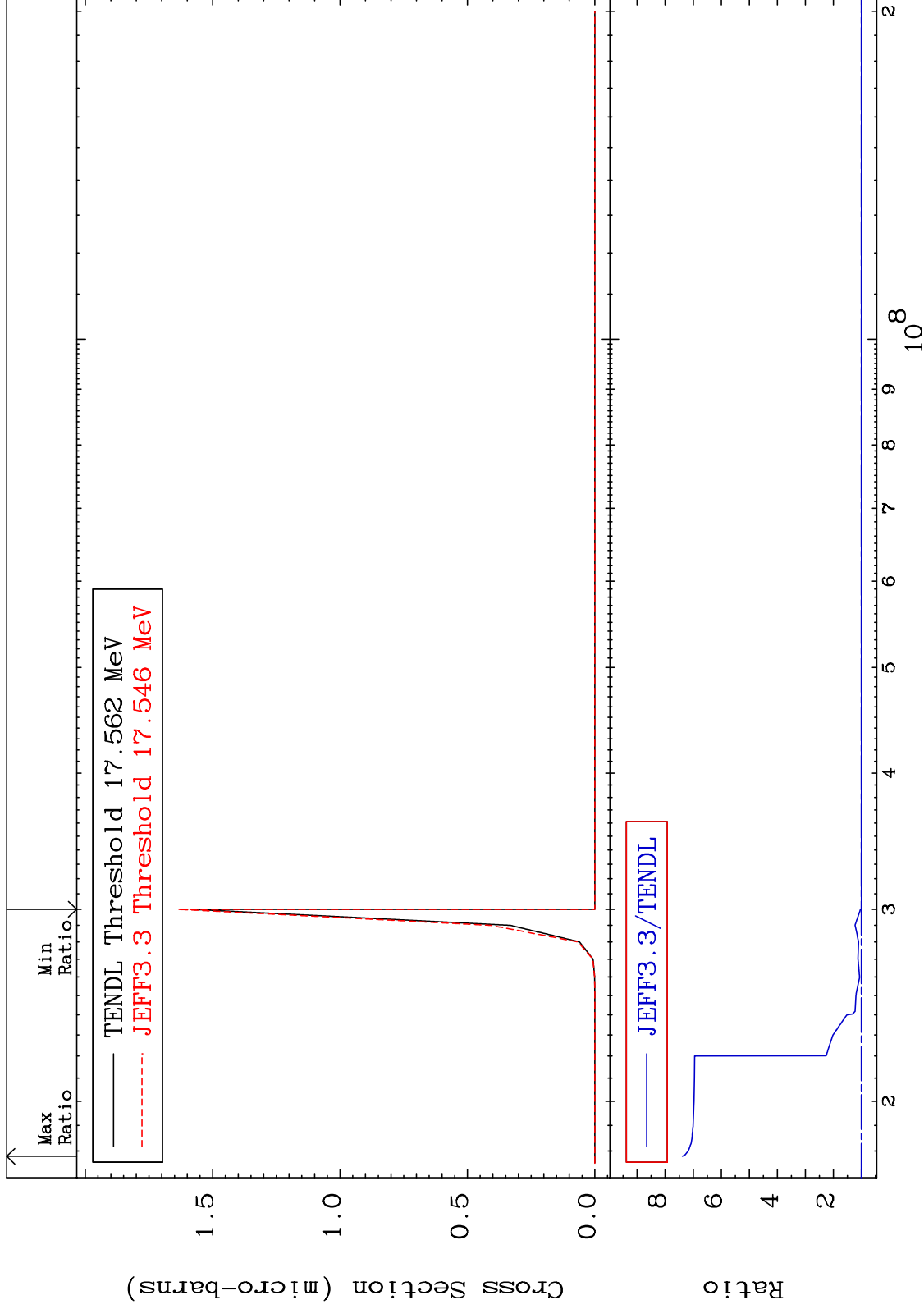


MAT 5537

(n, n') He-3:53-I -134g

55-Cs-137

Radionuclide Production Cross Section 0.000 To 638.5 %

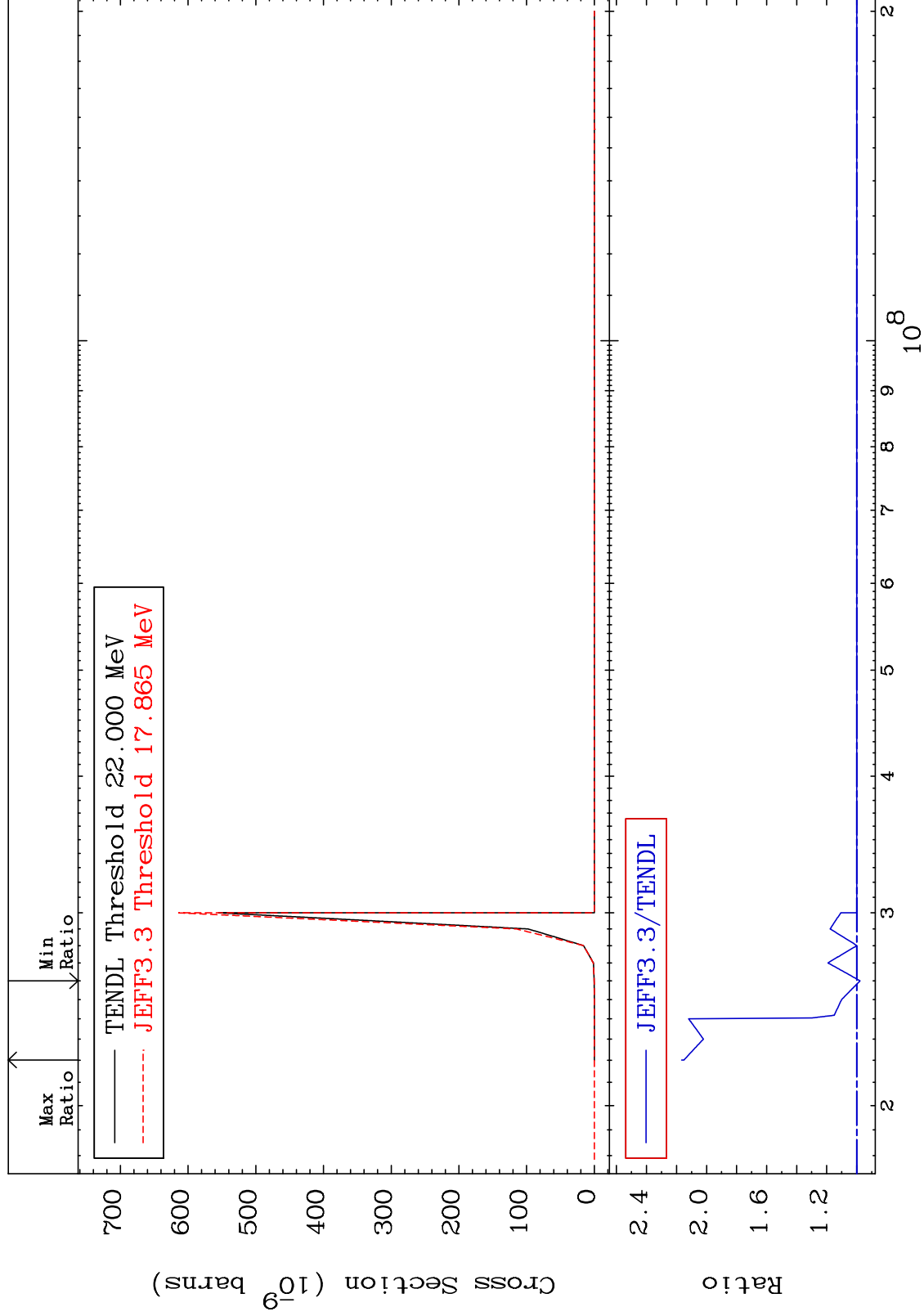


MAT 5537

(n, n') He-3:53-I -134m5

55-Cs-137

Radionuclide Production Cross Section -2.205 To 116.6 %



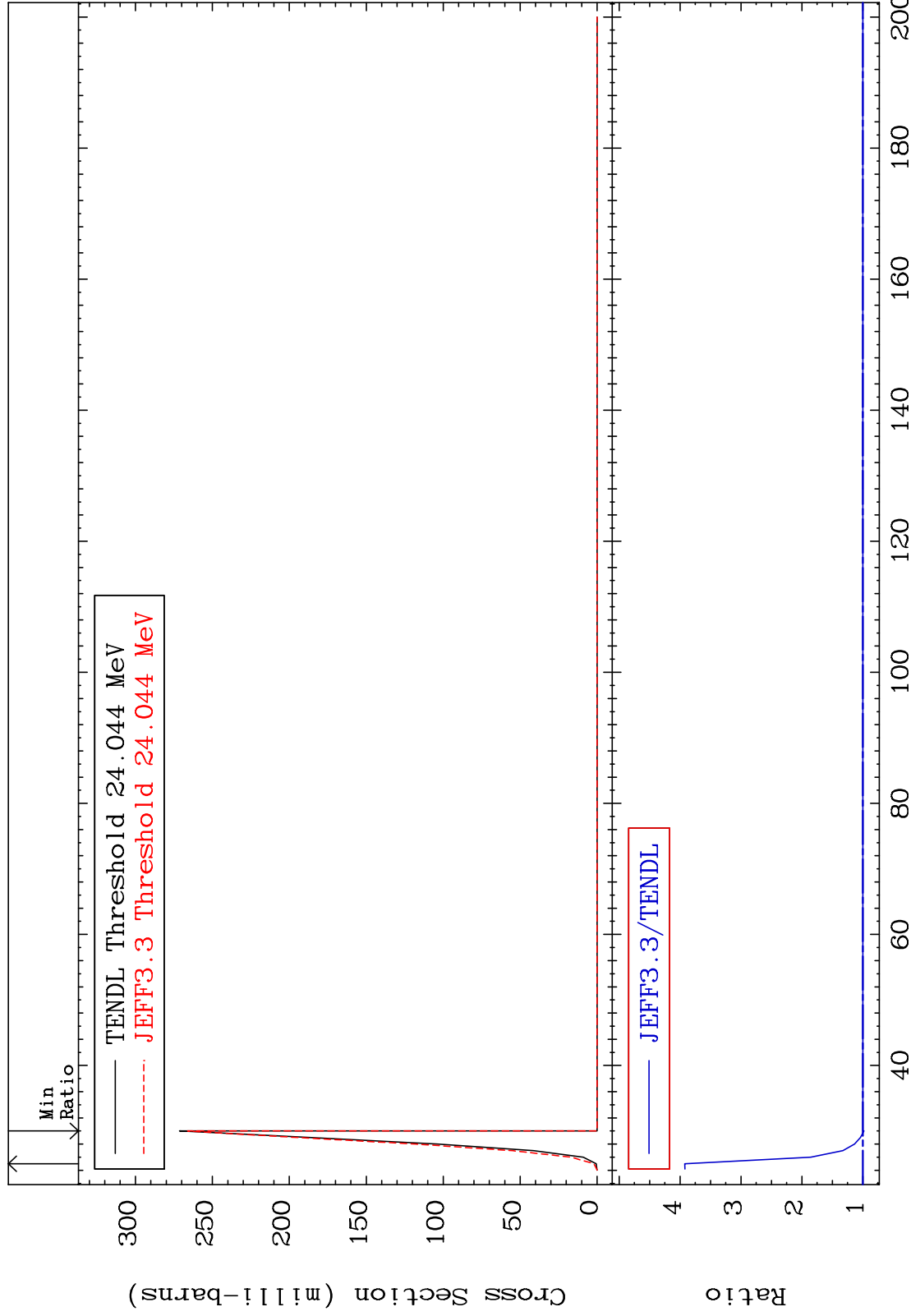
MAT 5537

(n,4n):55-Cs-134g

55-Cs-137

Radionuclide Production Cross Section

-1.935 To 292.2 %

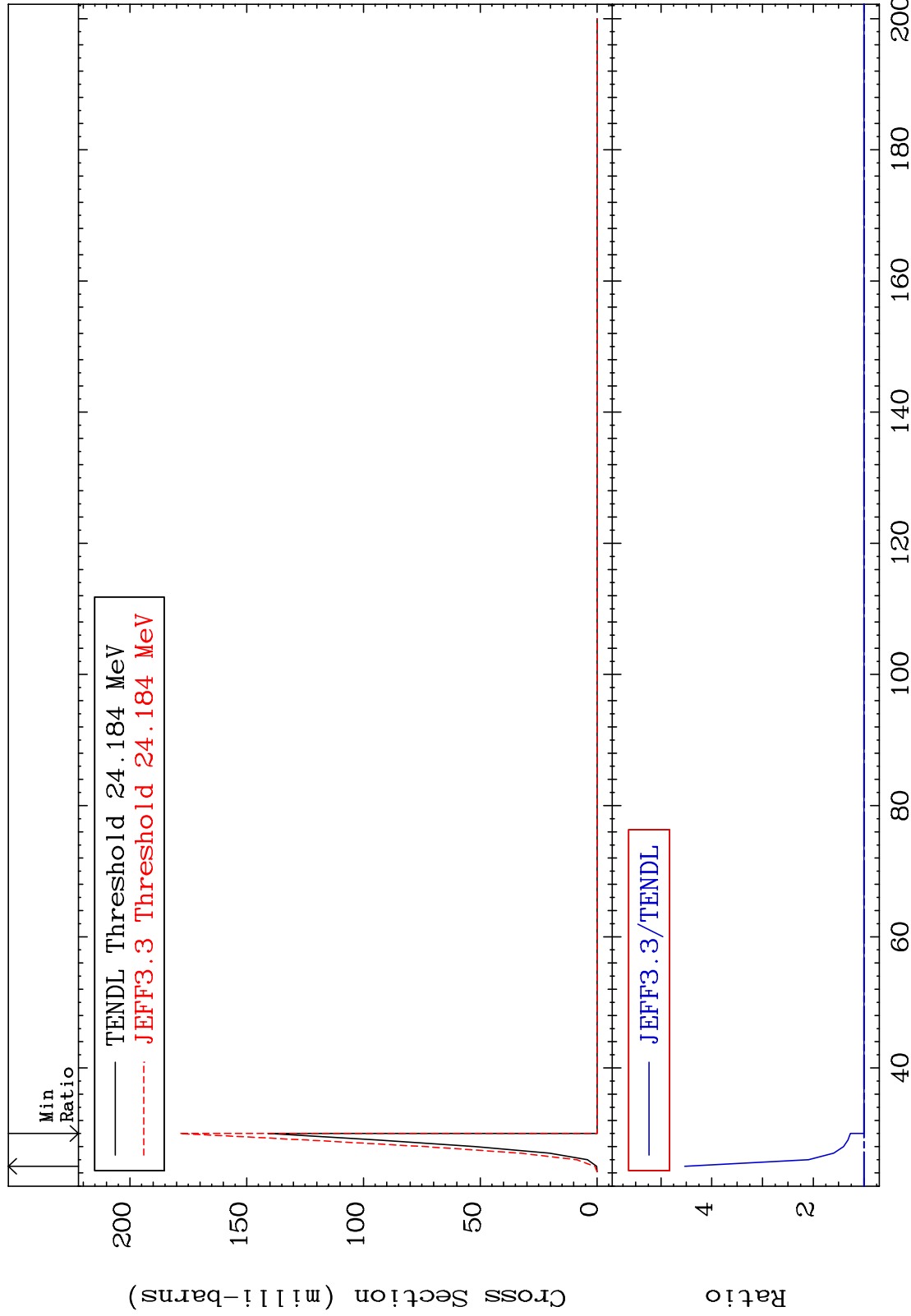


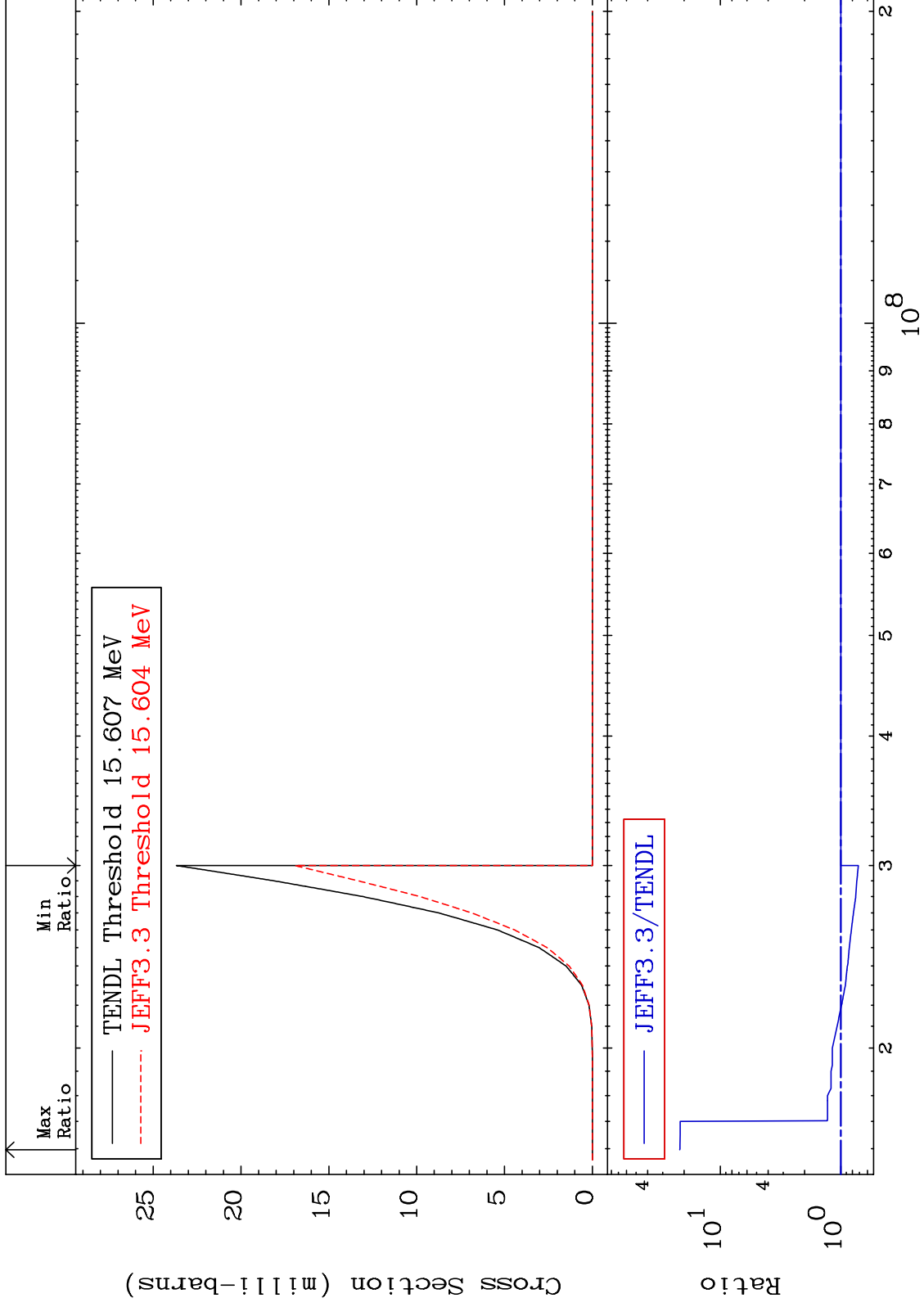
MAT 5537

(n, 4n):55-Cs-134m3

55-Cs-137

Radionuclide Production Cross Section 0.000 To 353.0 %



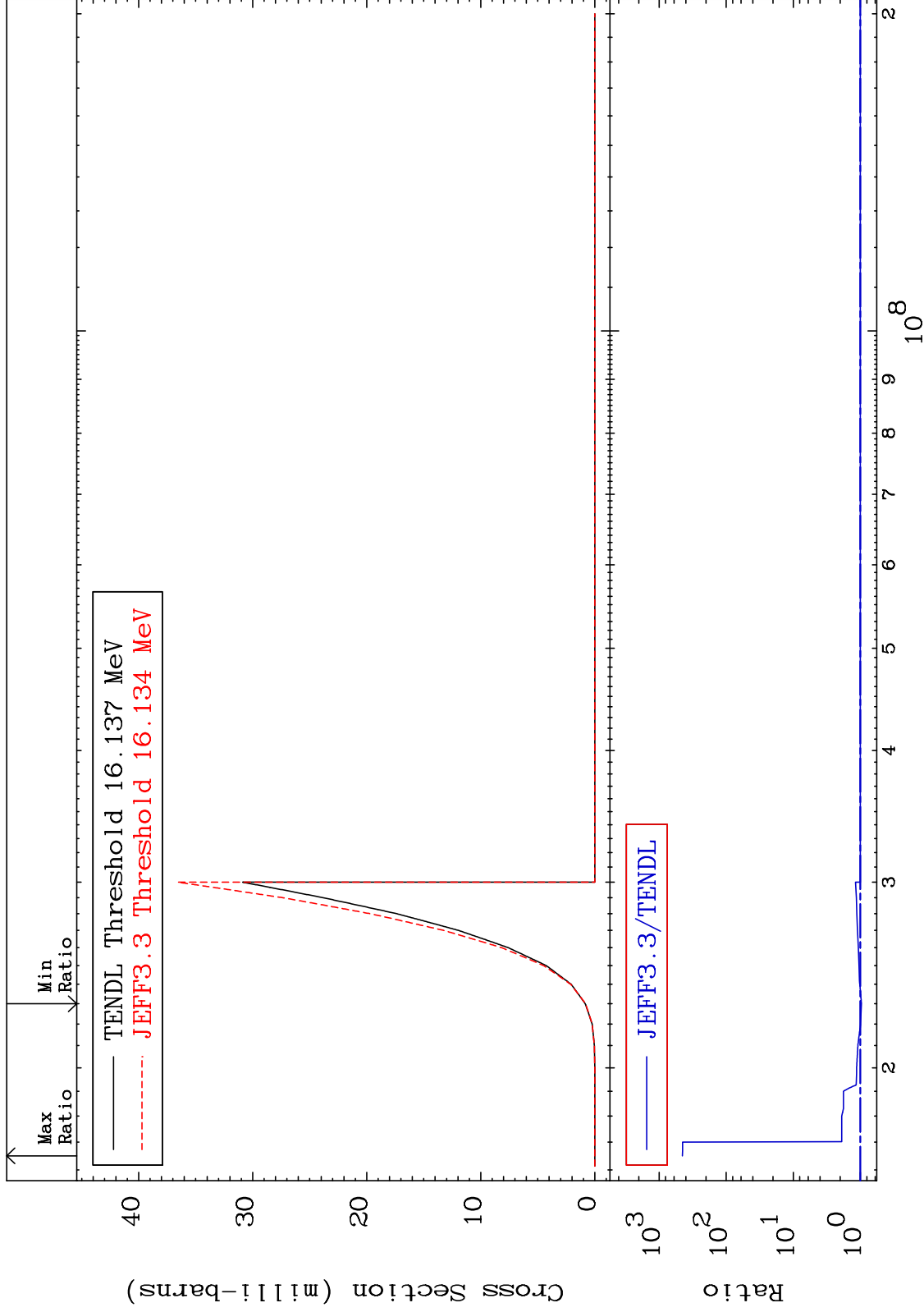


MAT 5537

(n,2n) p:54-Xe-135m2

55-Cs-137

Radionuclide Production Cross Section -3.585 To 9999. %



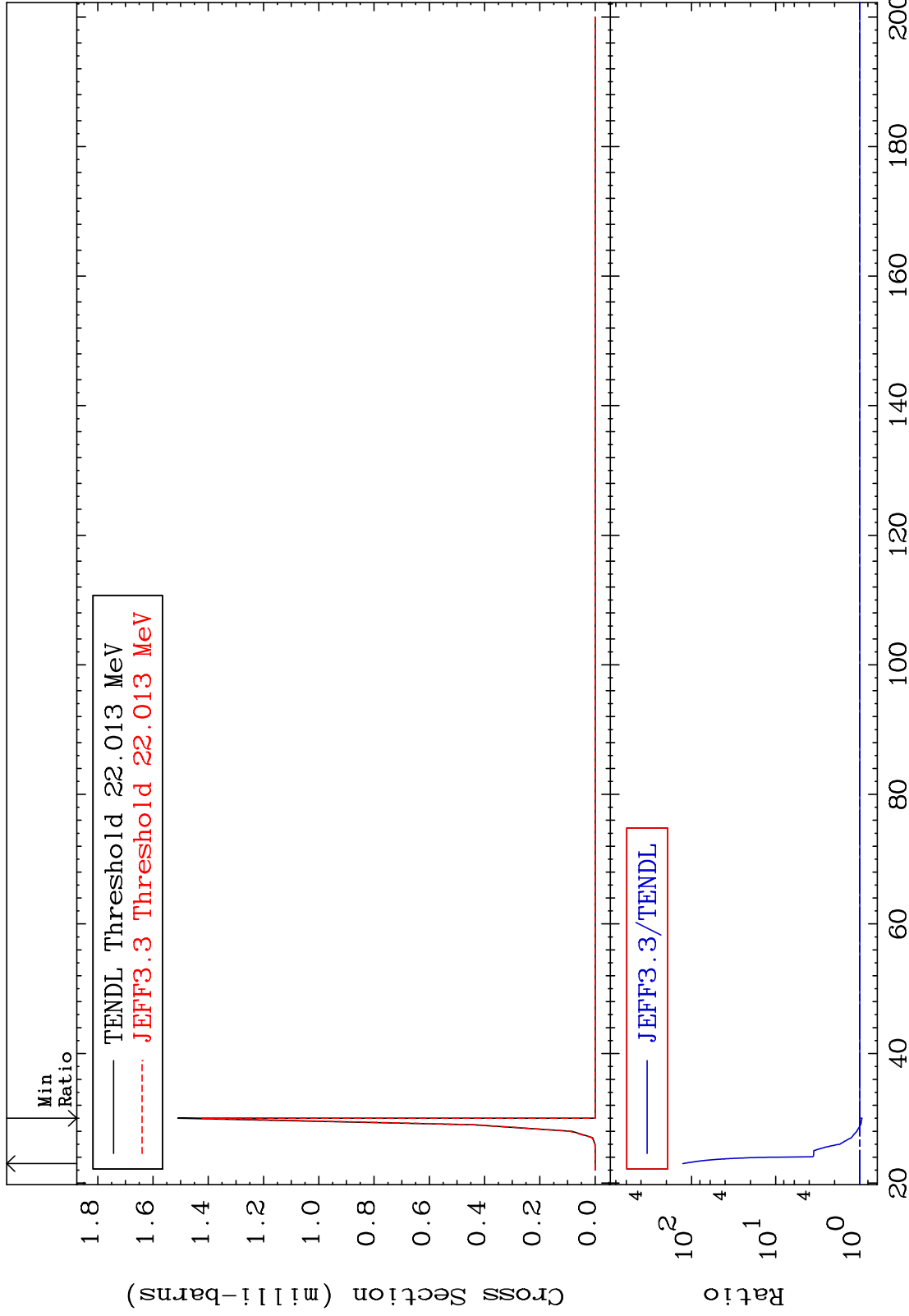
MAT 5537

(n,3n) p:54-Xe-134g

55-Cs-137

Radionuclide Production Cross Section

-5.899 To 9999. %



95

Incident Energy (MeV)

55-Cs-137

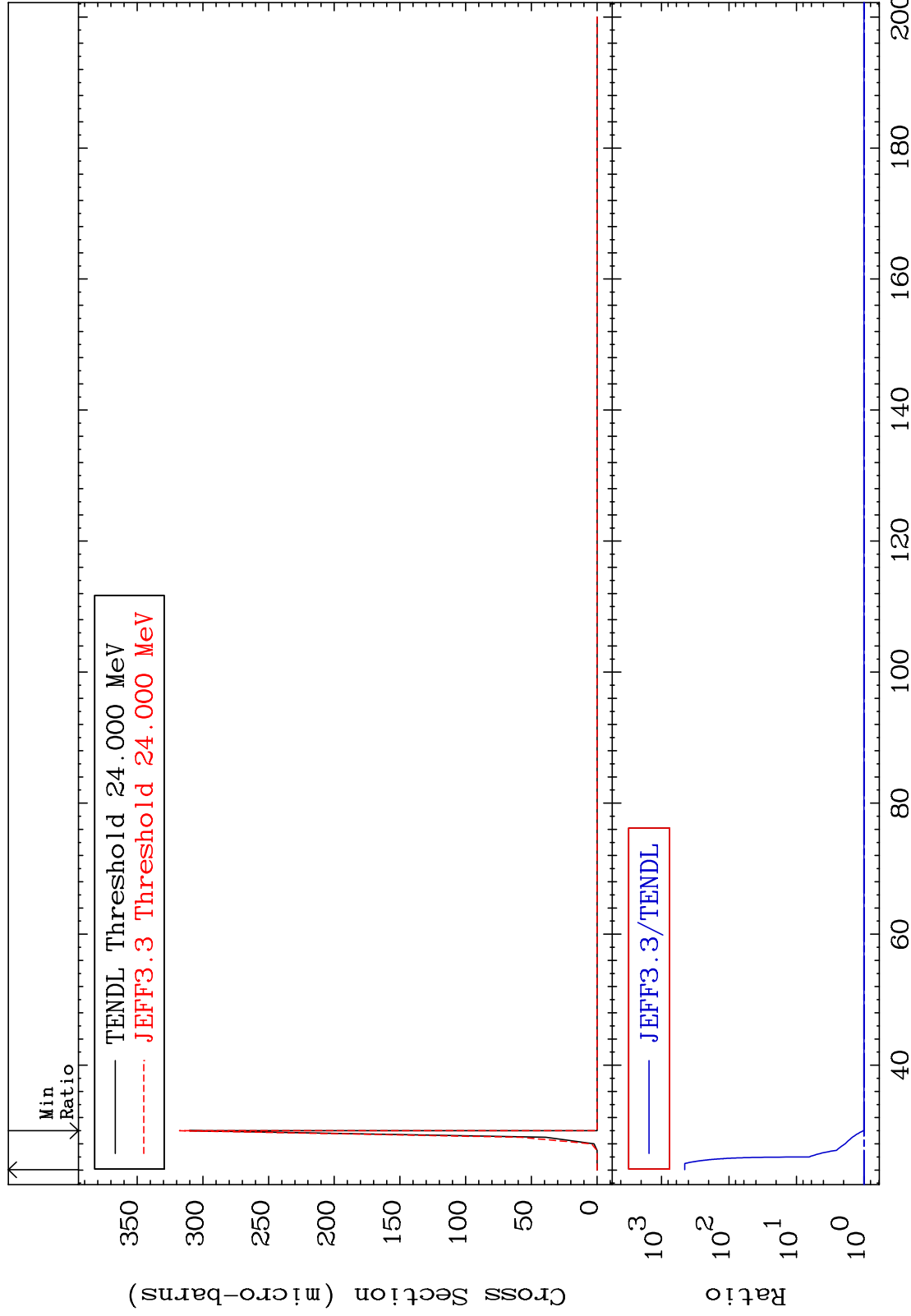


MAT 5537

(n,3n) p:54-Xe-134m7

55-Cs-137

Radionuclide Production Cross Section 0.000 To 9999. %



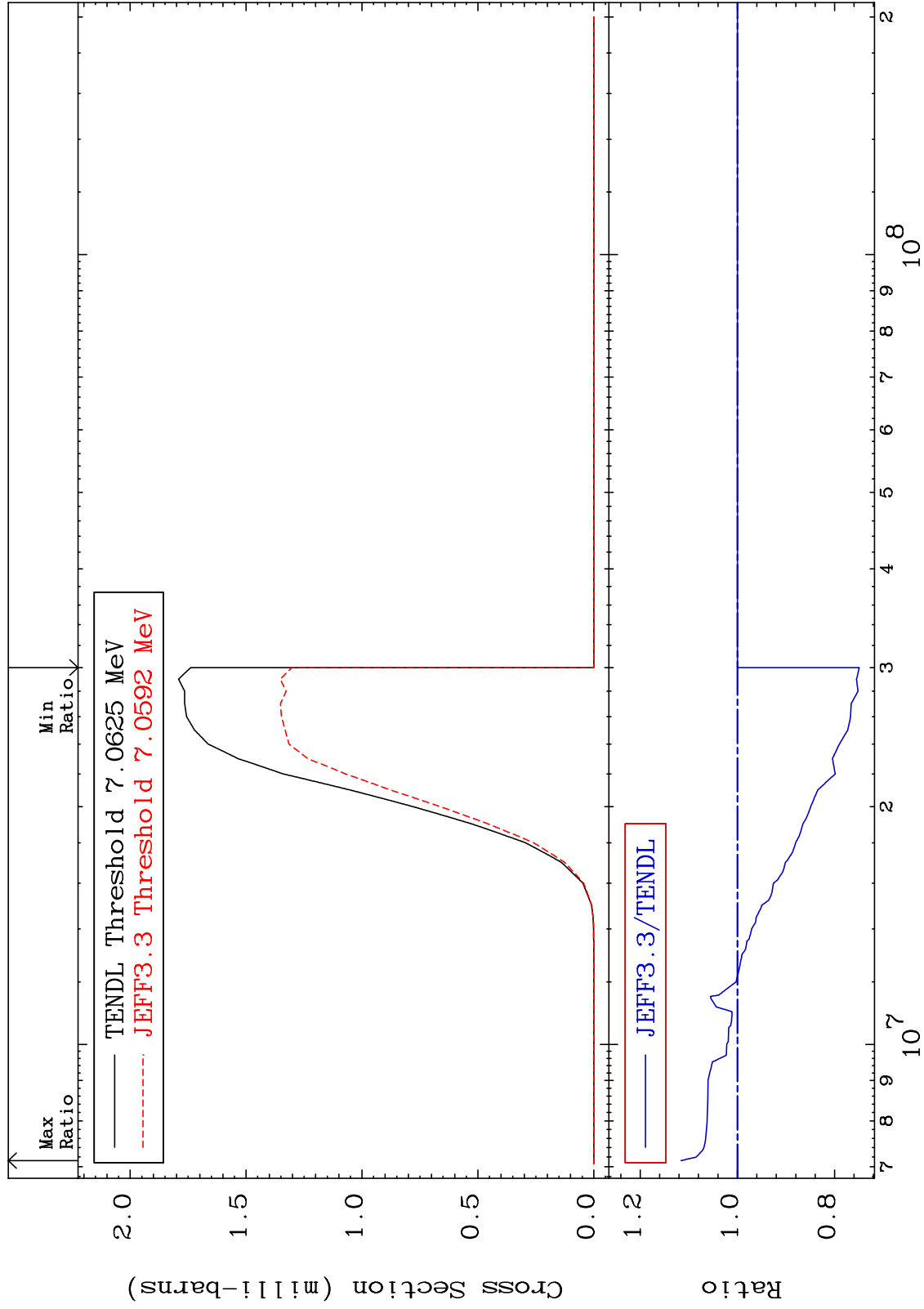
MAT 5537

(n, t):54-Xe-135g

55-Cs-137

Radionuclide Production Cross Section

-25.08 To 11.59 %



97

Incident Energy (eV)

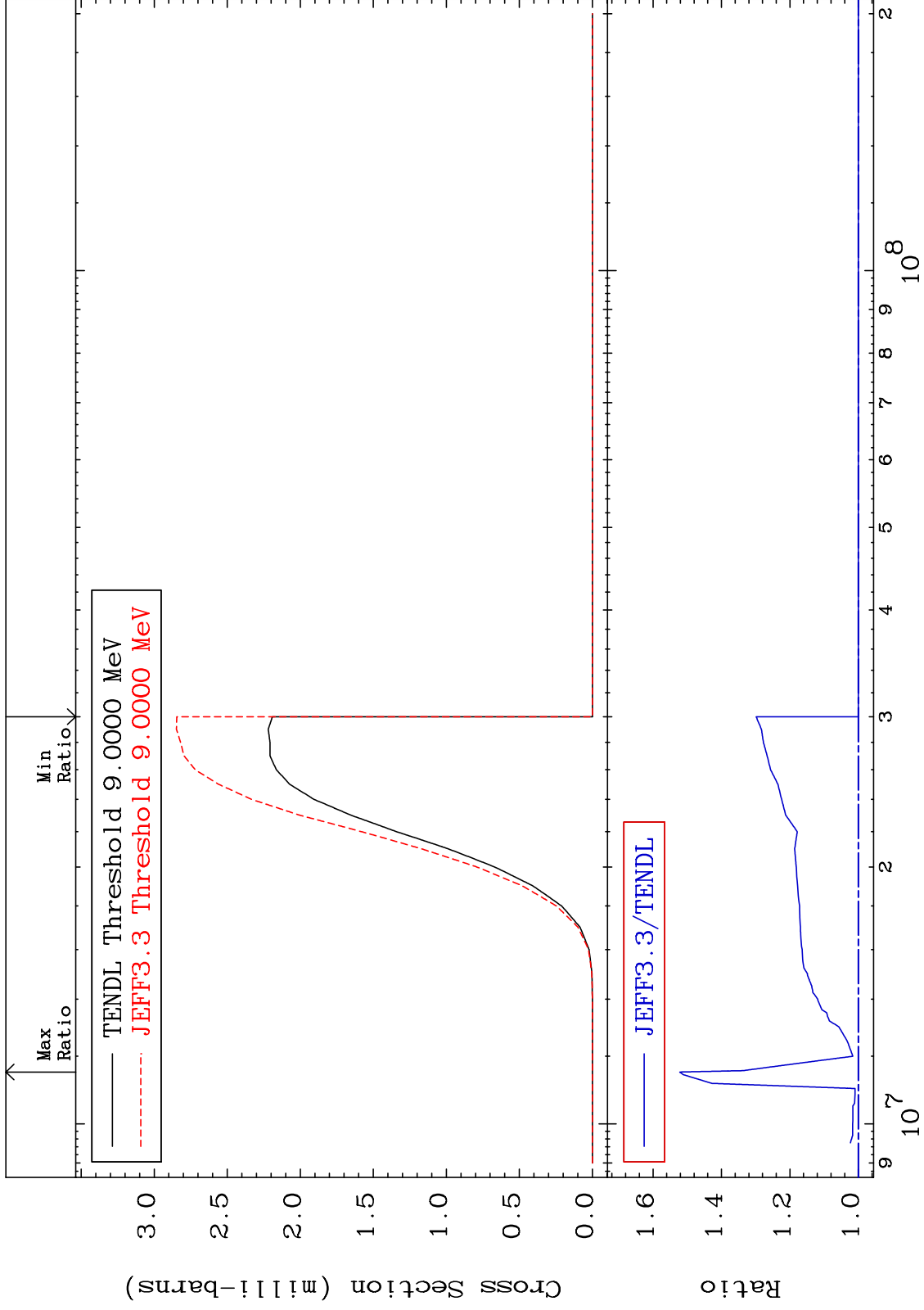
55-Cs-137

MAT 5537

(n, t) : 54-Xe-135m2

55-Cs-137

Radionuclide Production Cross Section 0.000 To 52.17 %



98

Incident Energy (eV)

55-Cs-137

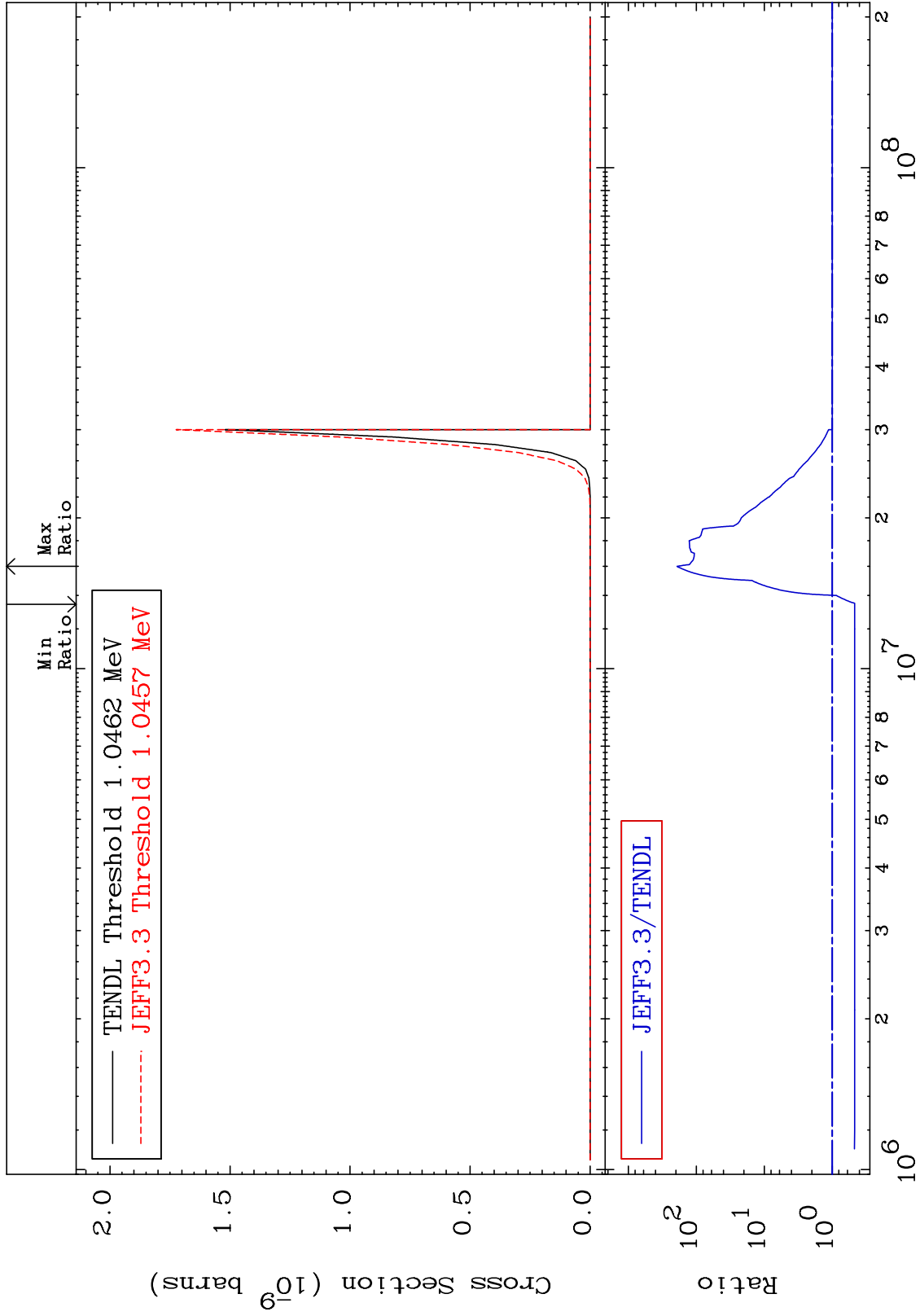
MAT 5537

(n,2α):51-Sb-130g

55-Cs-137

Radionuclide Production Cross Section

-53.16 To 9999. %



99

Incident Energy (eV)

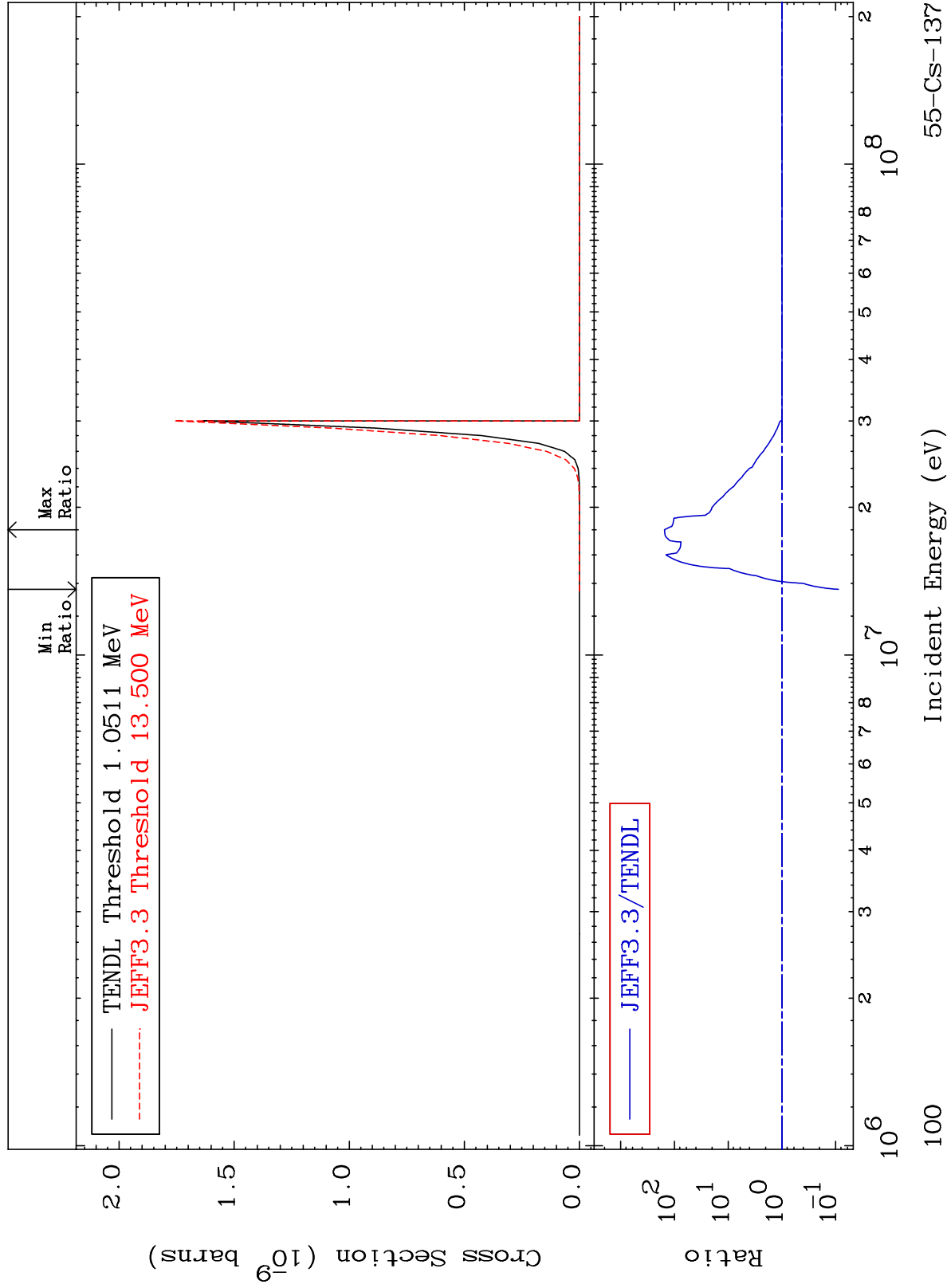
55-Cs-137

MAT 5537

(n,2α):51-Sb-130m1

55-Cs-137

Radionuclide Production Cross Section -91.11 To 9999. %

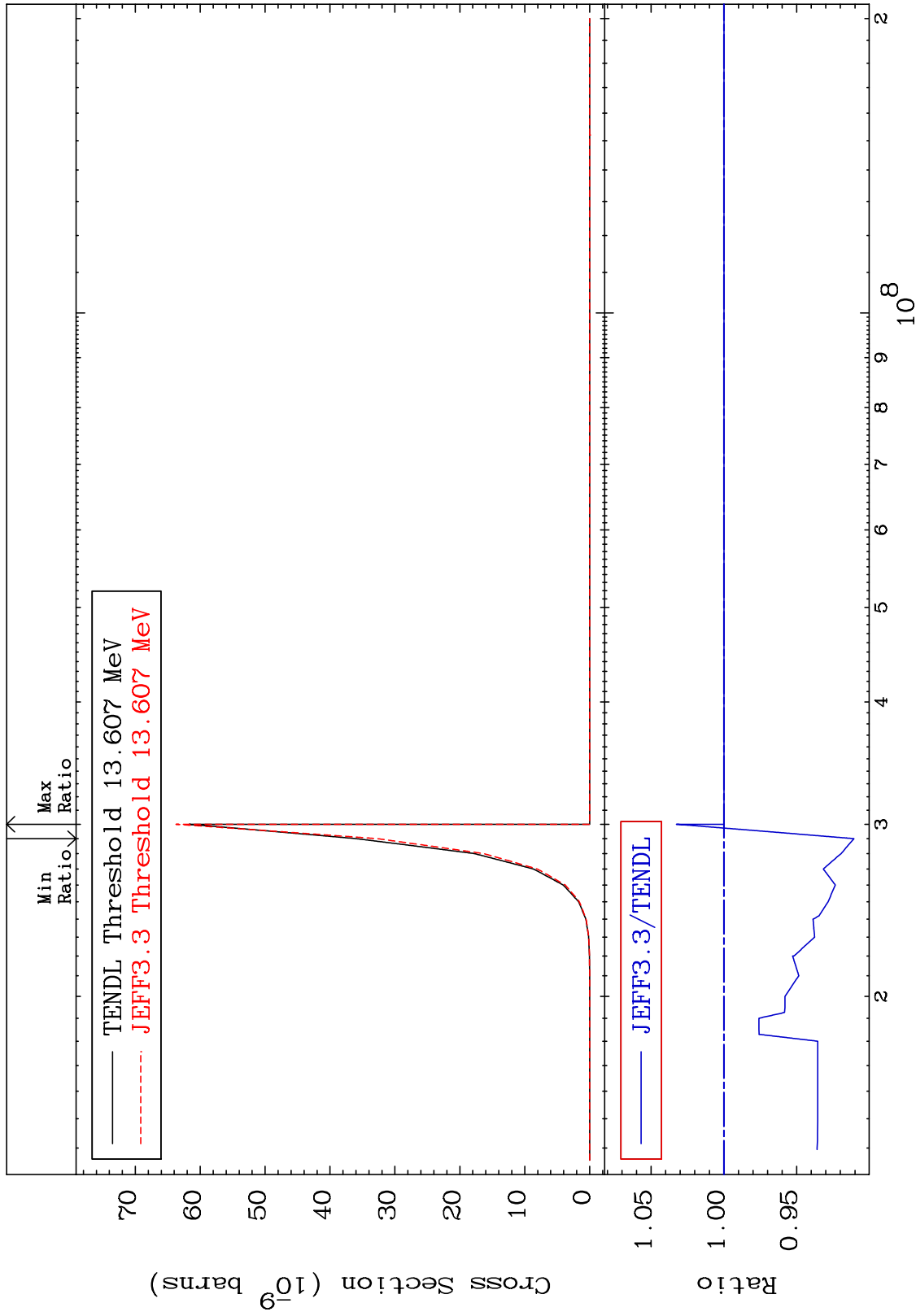


MAT 5537

(n,2p):53-I -136g

55-Cs-137

Radionuclide Production Cross Section -8.935 To 3.254 %

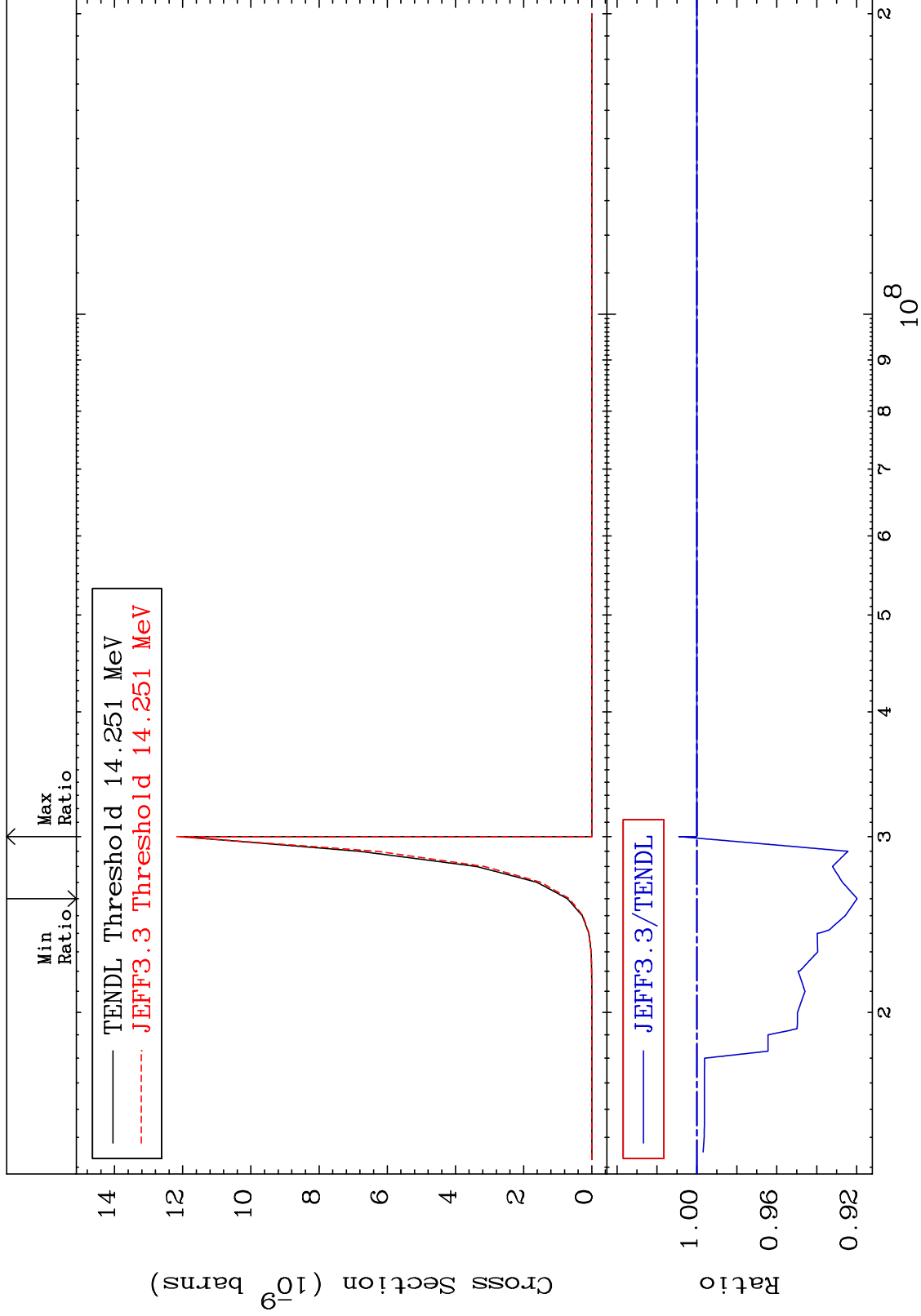


MAT 5537

(n,2p):53-I -136m6

55-Cs-137

Radionuclide Production Cross Section -8.026 To 0.896 %

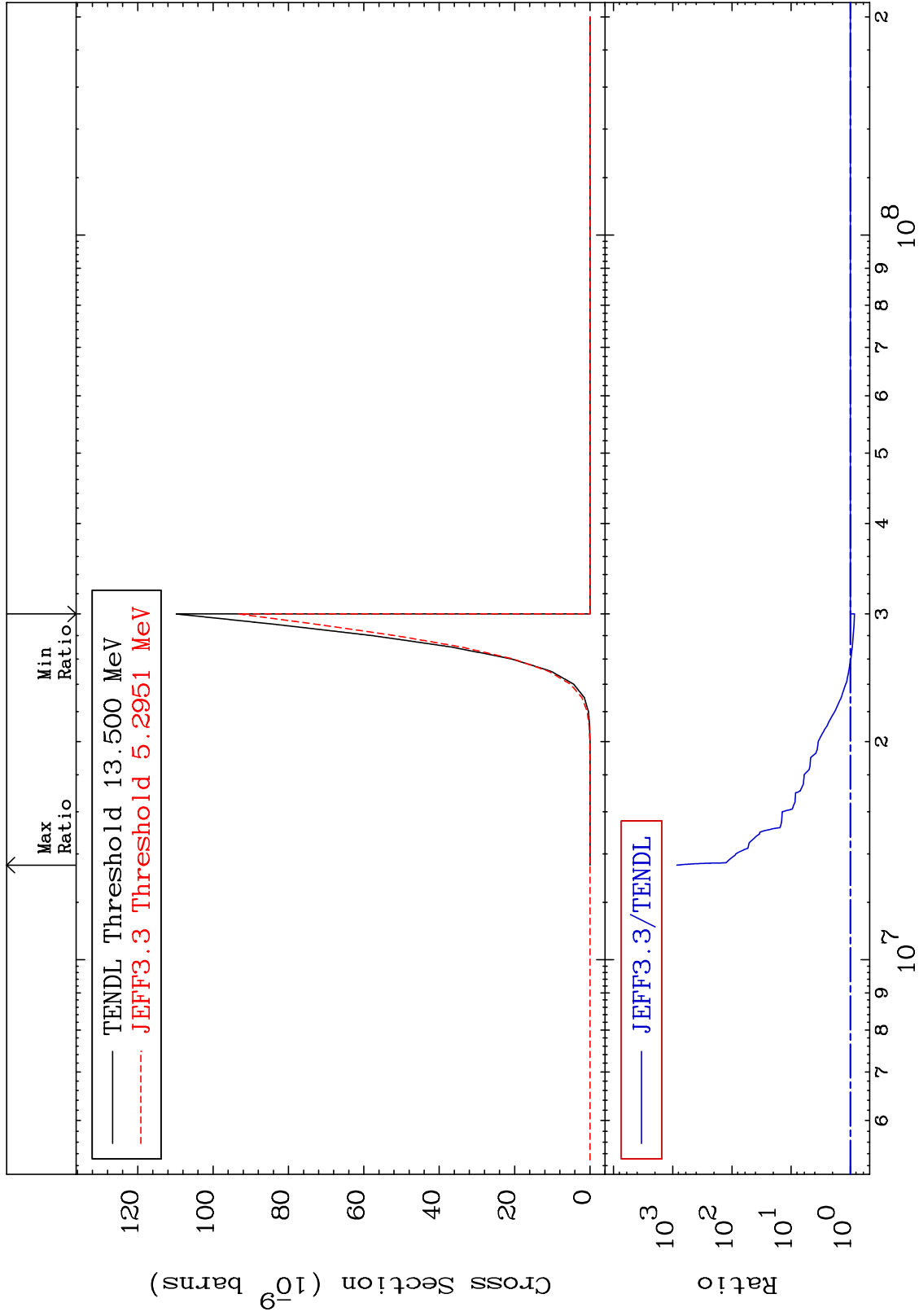


MAT 5537

55-Cs-137

(n, p)  $\alpha$ :52-Te-133g

Radionuclide Production Cross Section -15.04 To 9999. %



103

Incident Energy (eV)

55-Cs-137

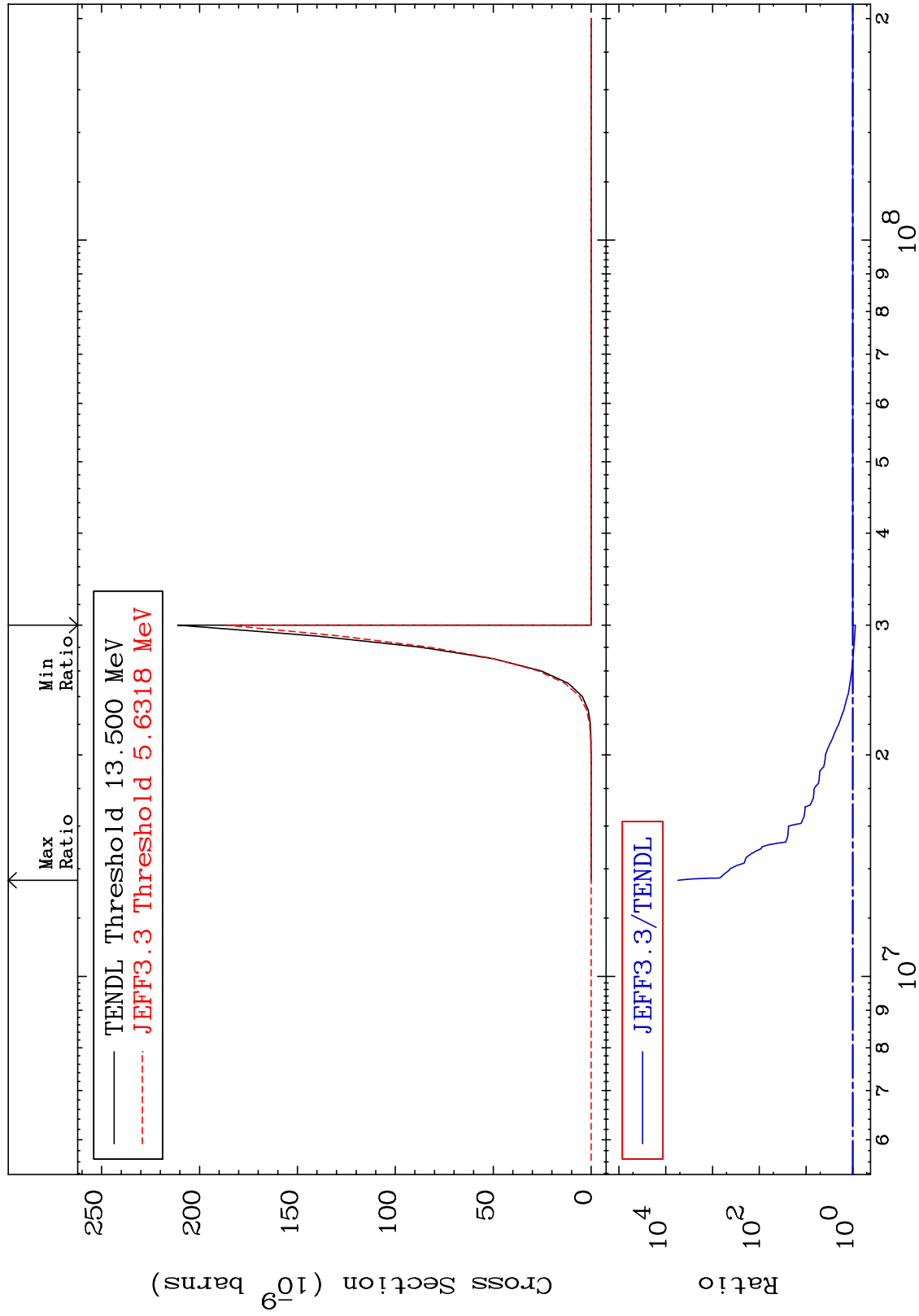


MAT 5537

(n, p)  $\alpha$ :52-Te-133m2

55-Cs-137

Radionuclide Production Cross Section -11.77 To 9999. %



104

Incident Energy (eV)

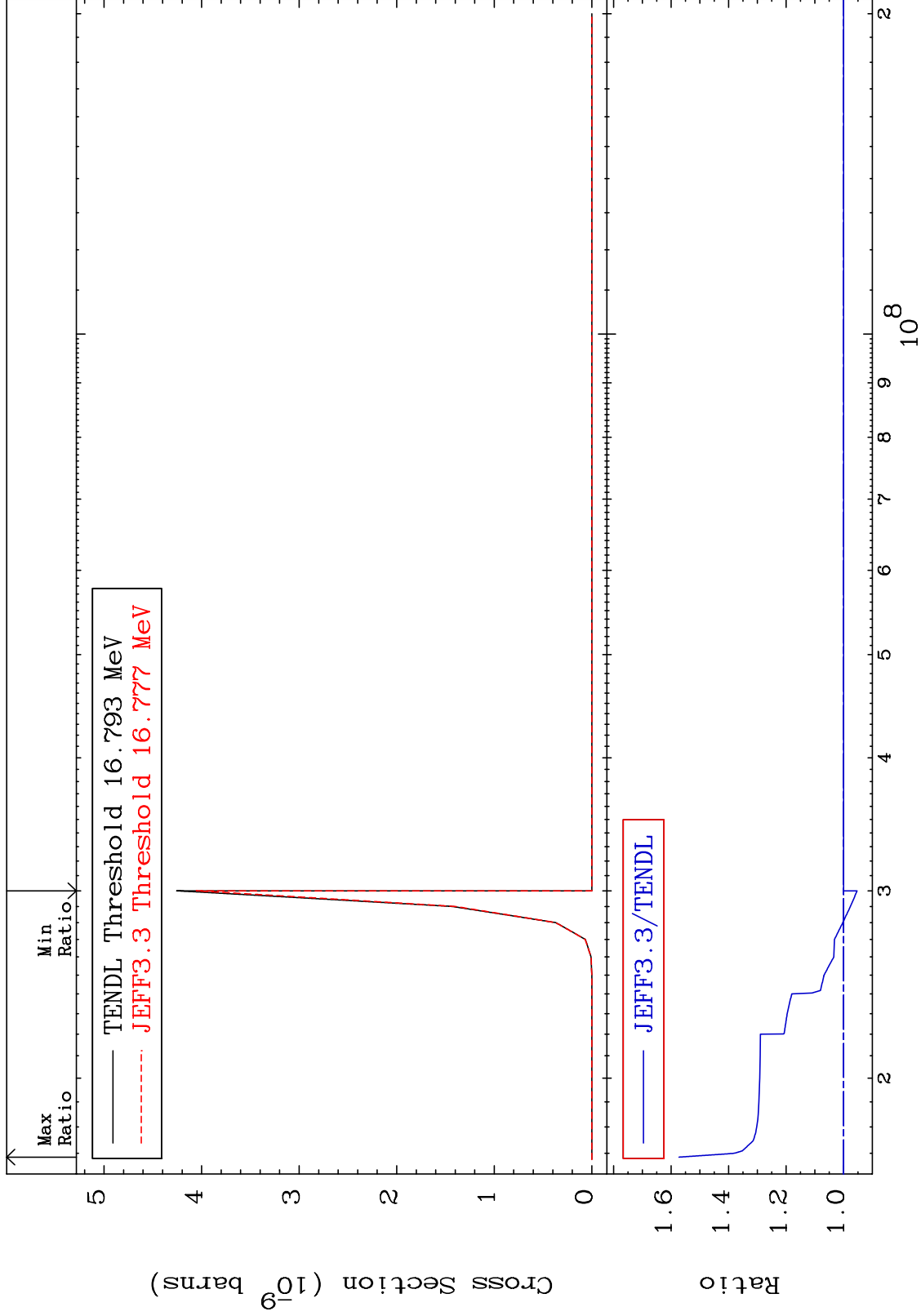
55-Cs-137

MAT 5537

(n, p) t:53-I -134g

55-Cs-137

Radionuclide Production Cross Section -4.708 To 57.27 %



MAT 5537

(n,p) t:53-I -134m5

55-Cs-137

Radionuclide Production Cross Section -7.325 To 39.78 %

