

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

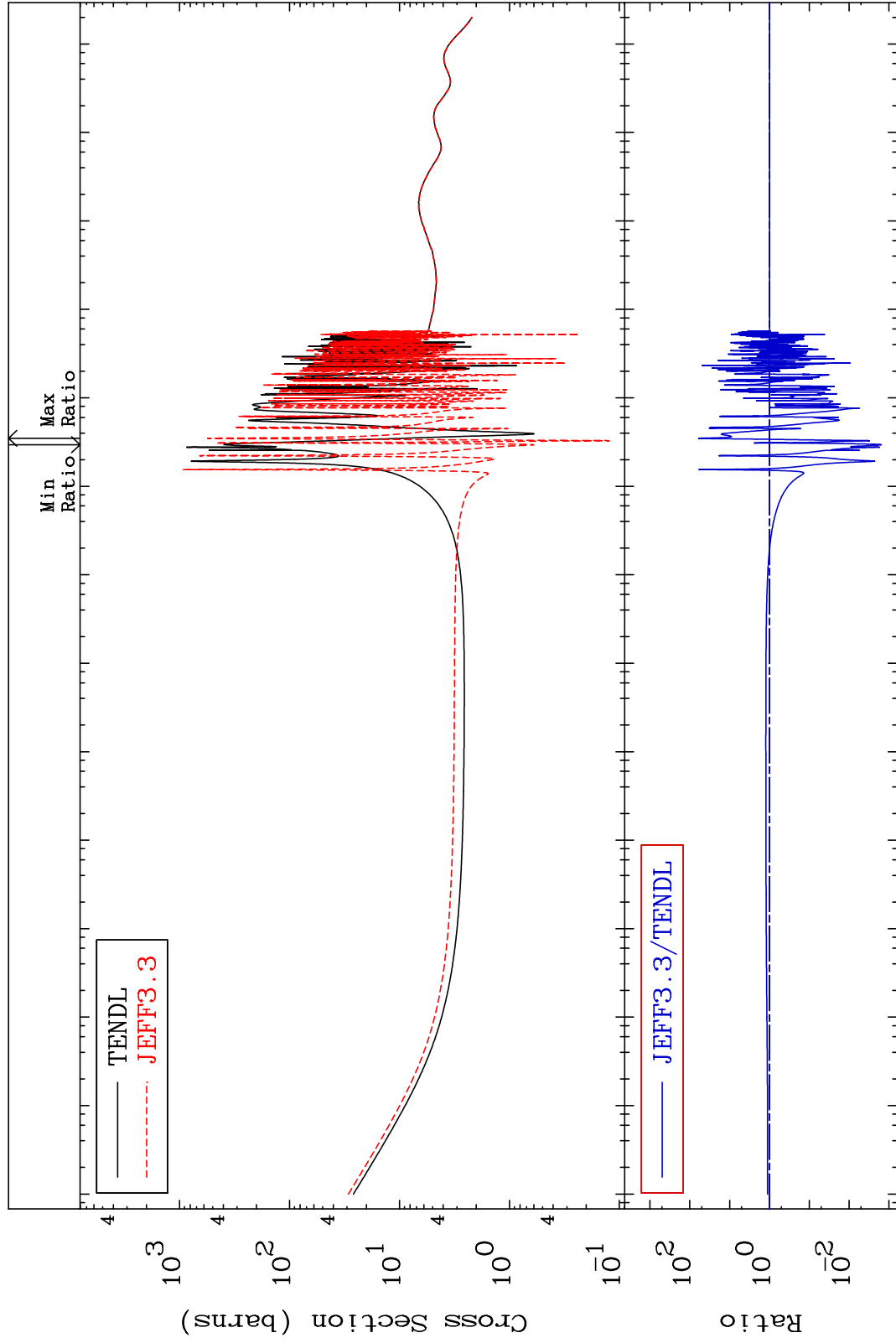
MAT 5537

Total

55-Cs-137

Cross Section

-99.85 To 5873. %



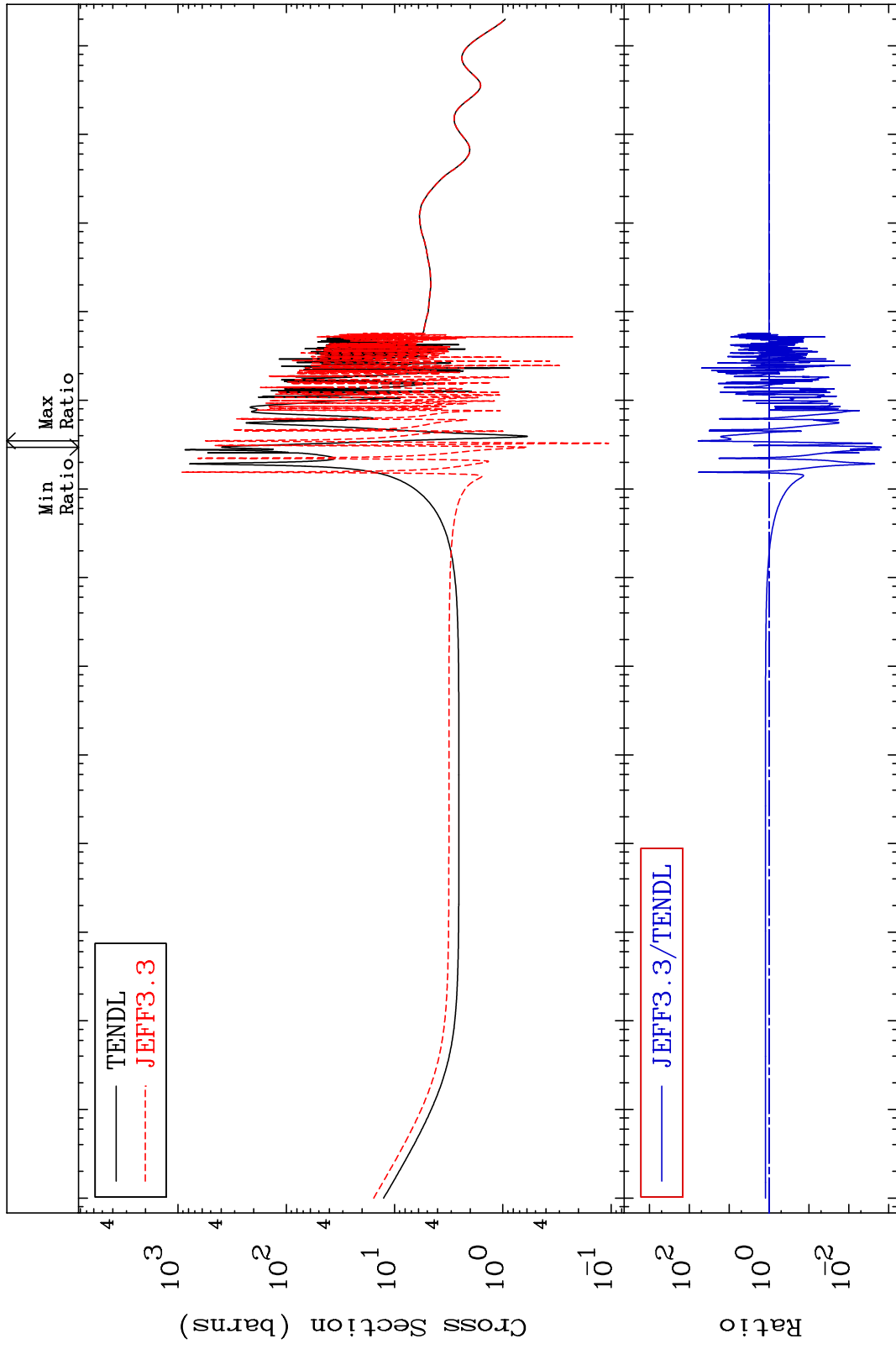
Incident Energy (eV)

55-Cs-137

MAT 5537

Elastic
Cross Section

55-Cs-137
-99.85 To 5865. %



Incident Energy (eV)

55-Cs-137

2

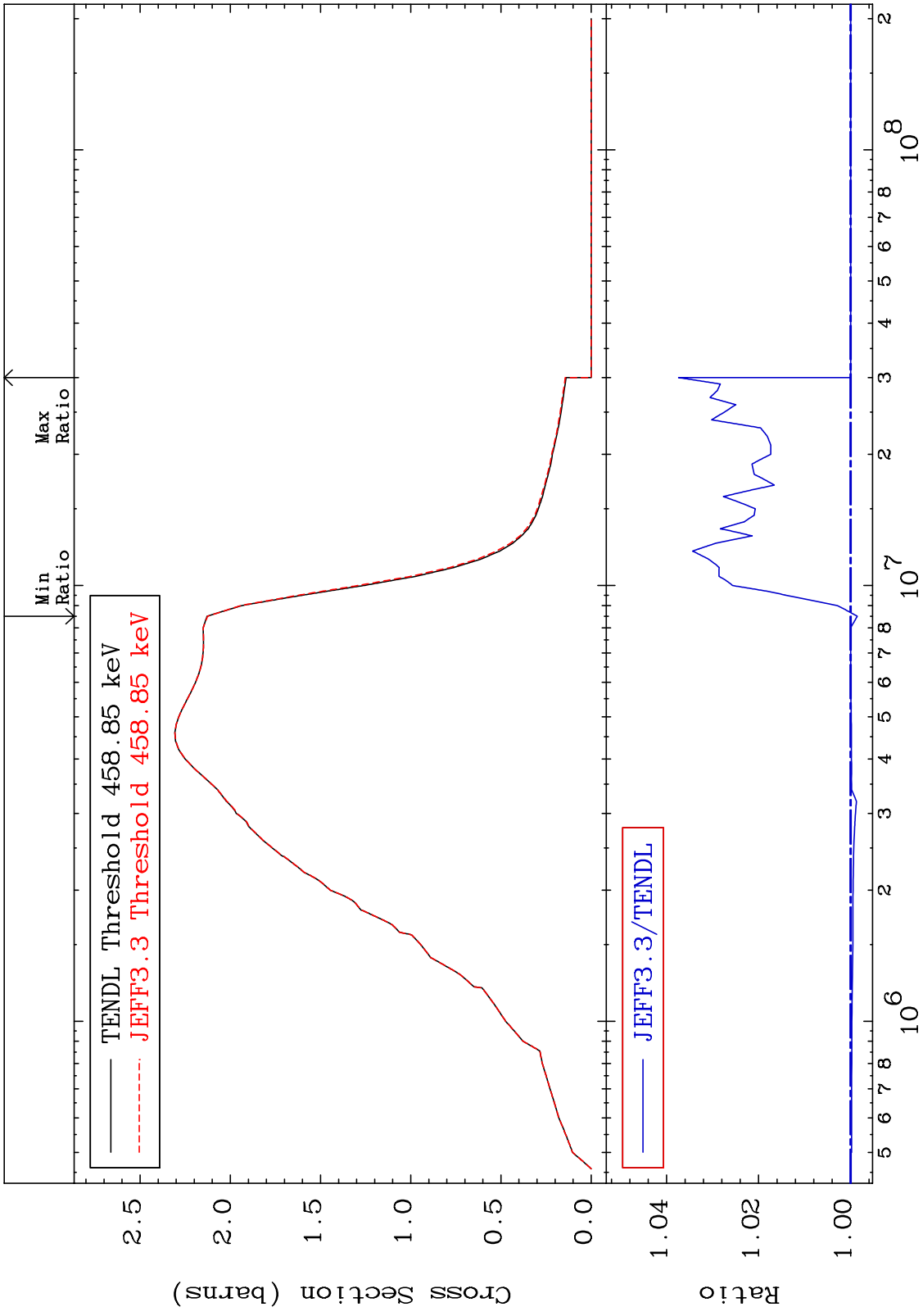
MAT 5537

Inelastic

55-Cs-137

Cross Section

-0.146 To 3.739 %



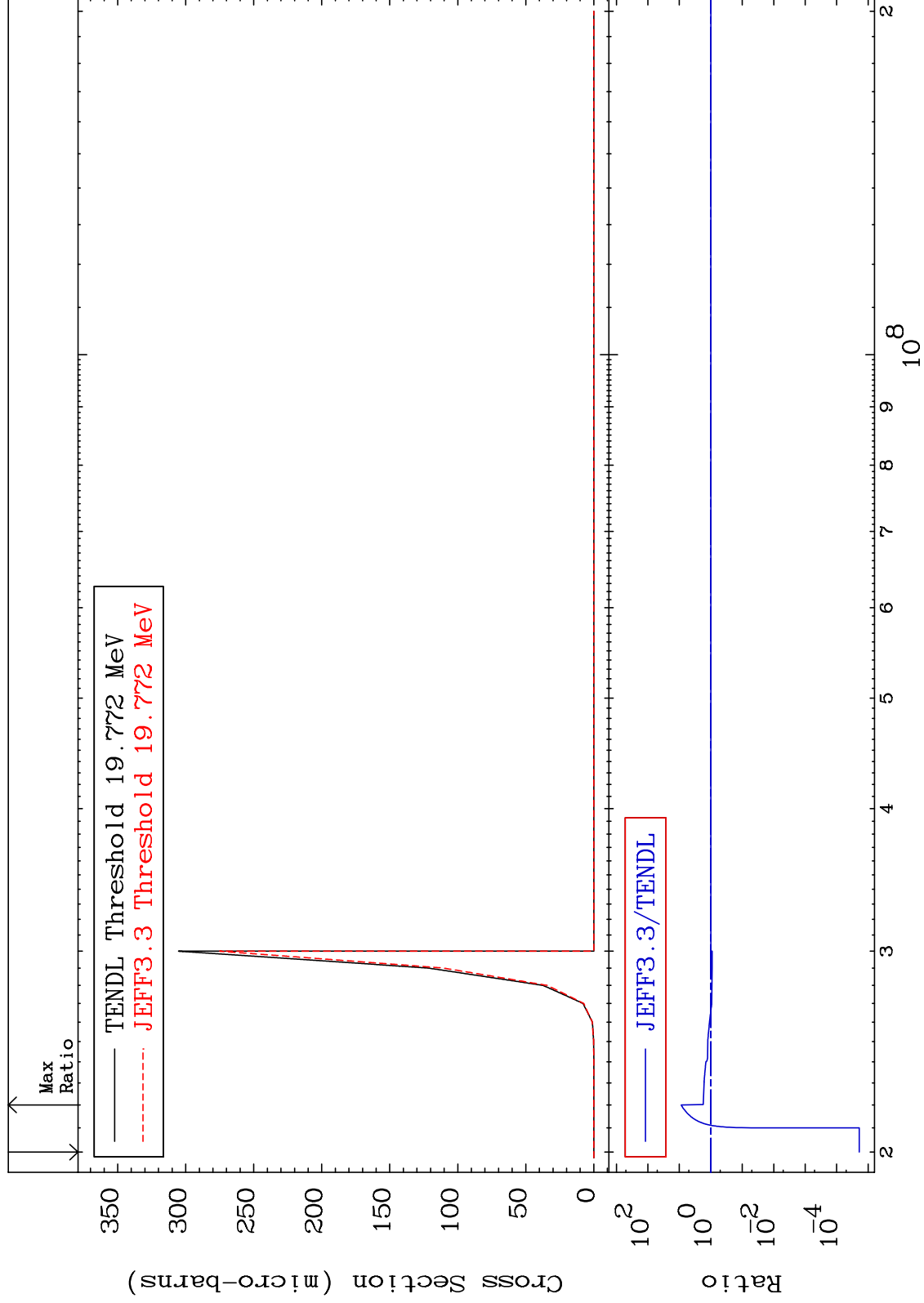
MAT 5537

(n,2n) d

55-Cs-137

Cross Section

-100.0 To 781.3 %



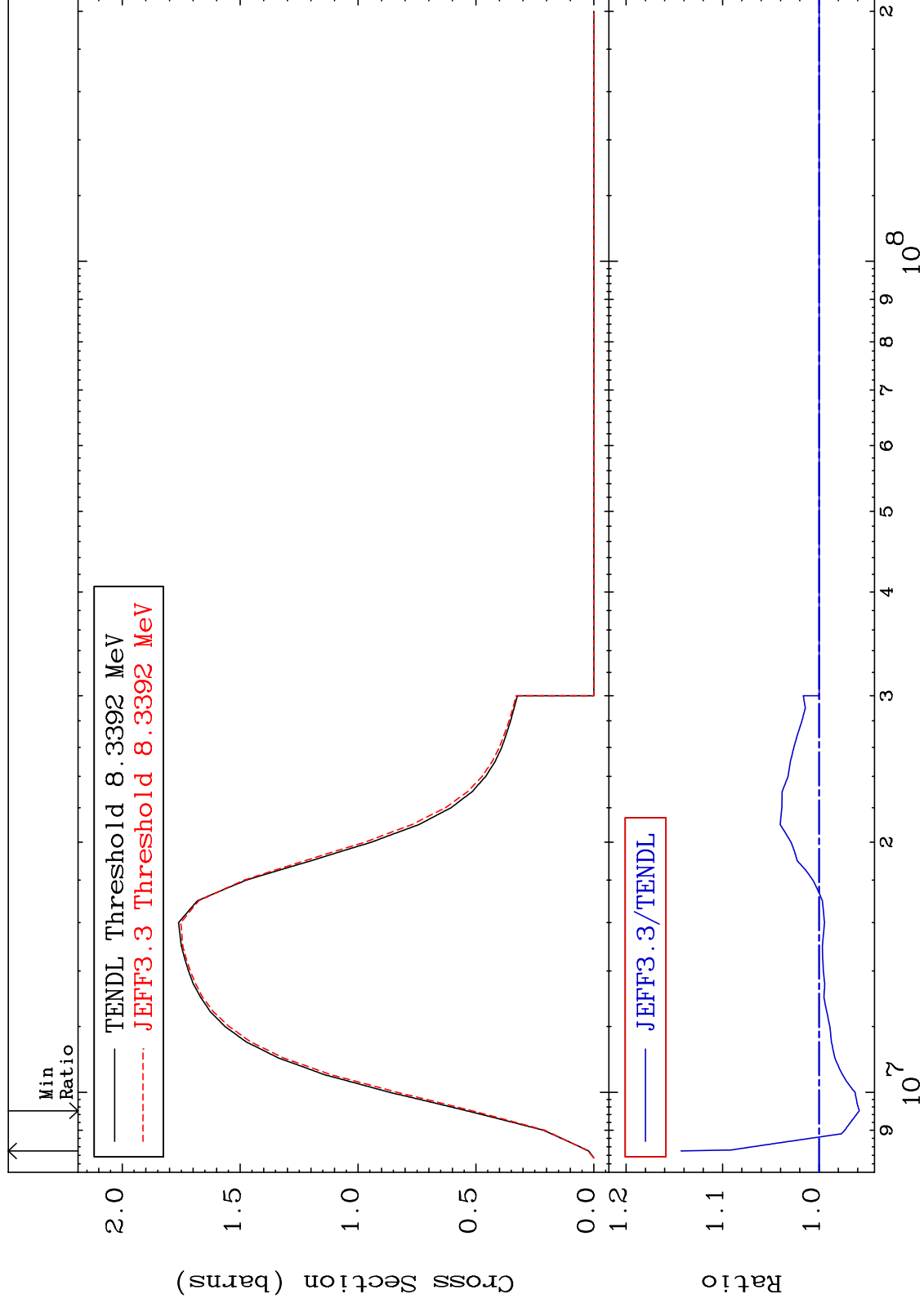
MAT 5537

(n,2n)

55-Cs-137

Cross Section

-4.165 To 14.30 %



5

Incident Energy (eV)

55-Cs-137

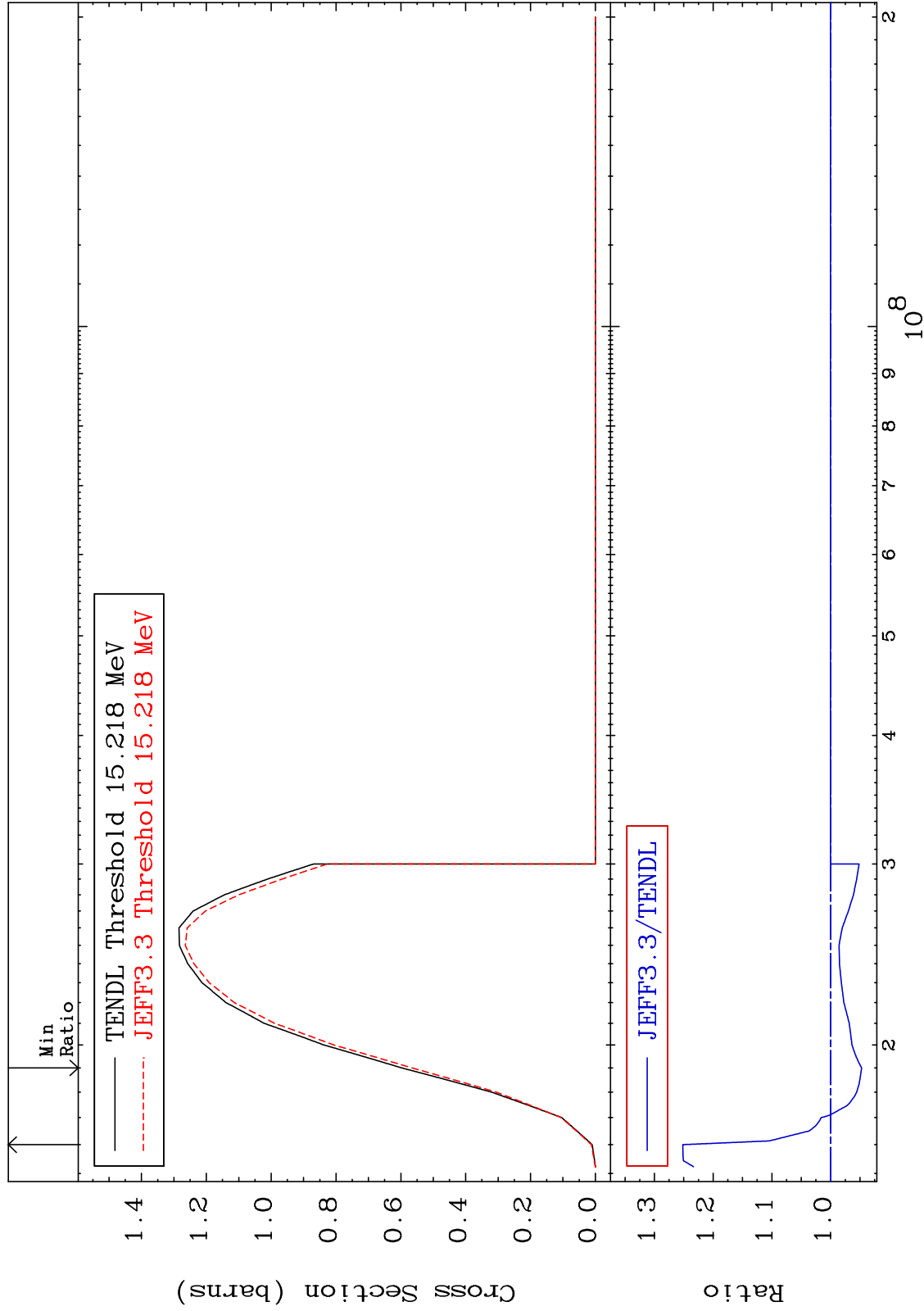
MAT 5537

(n, 3n)

55-Cs-137

Cross Section

-5.276 To 25.16 %



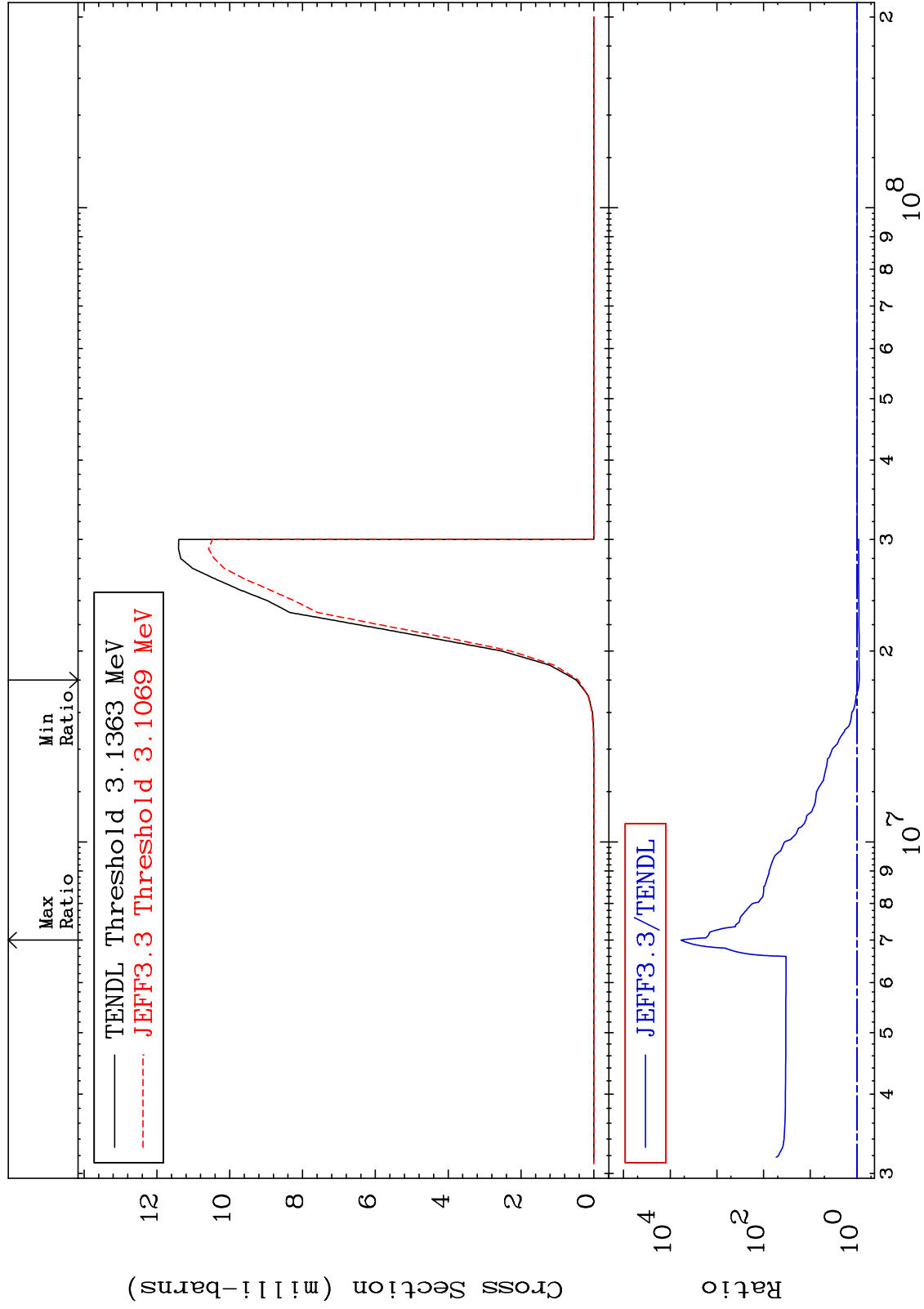
MAT 5537

(n, n') α

55-Cs-137

-10.74 To 9999. %

Cross Section



Incident Energy (eV)

55-Cs-137

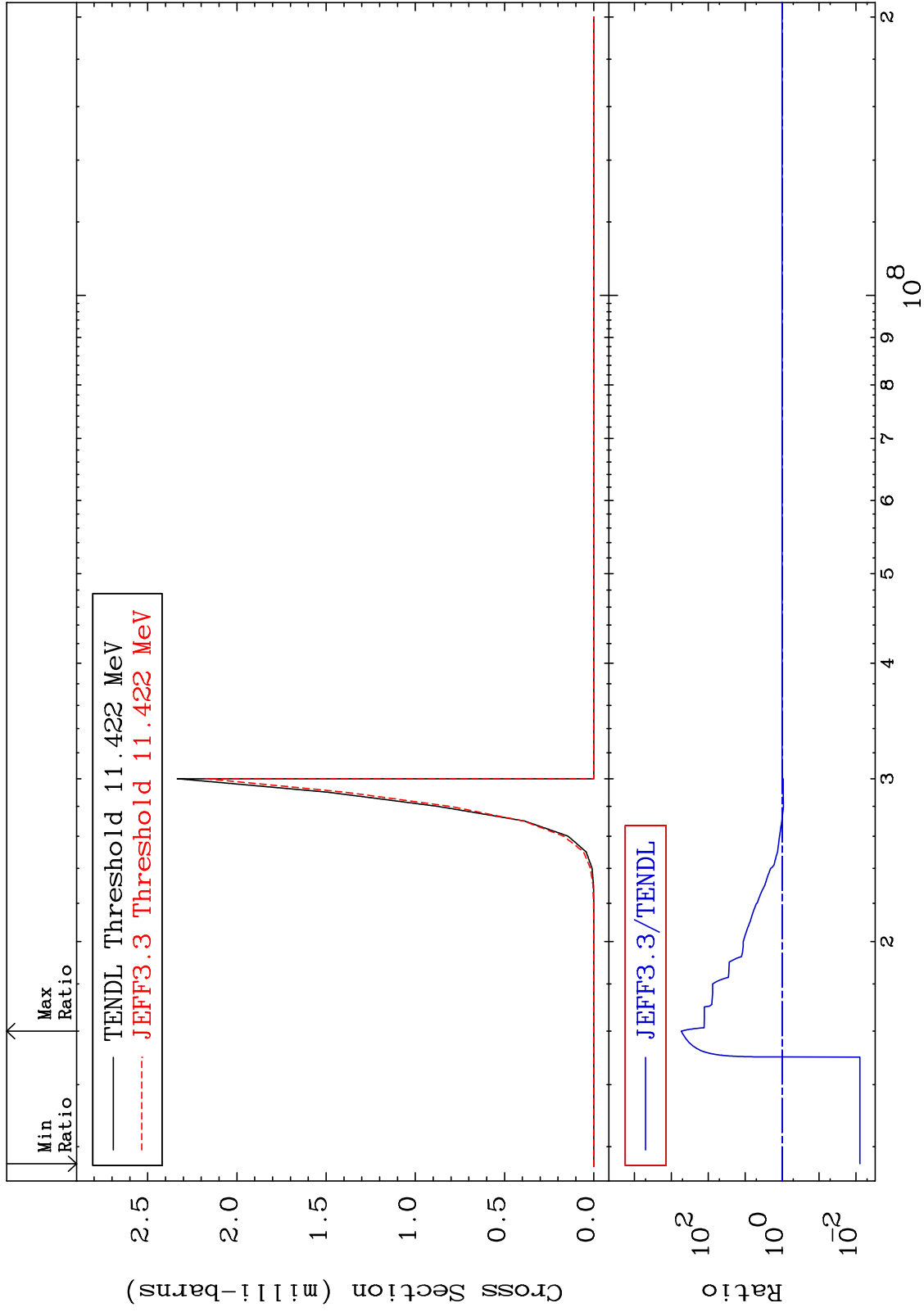
MAT 5537

(n,2n) α

55-Cs-137

Cross Section

-99.22 To 9999. %



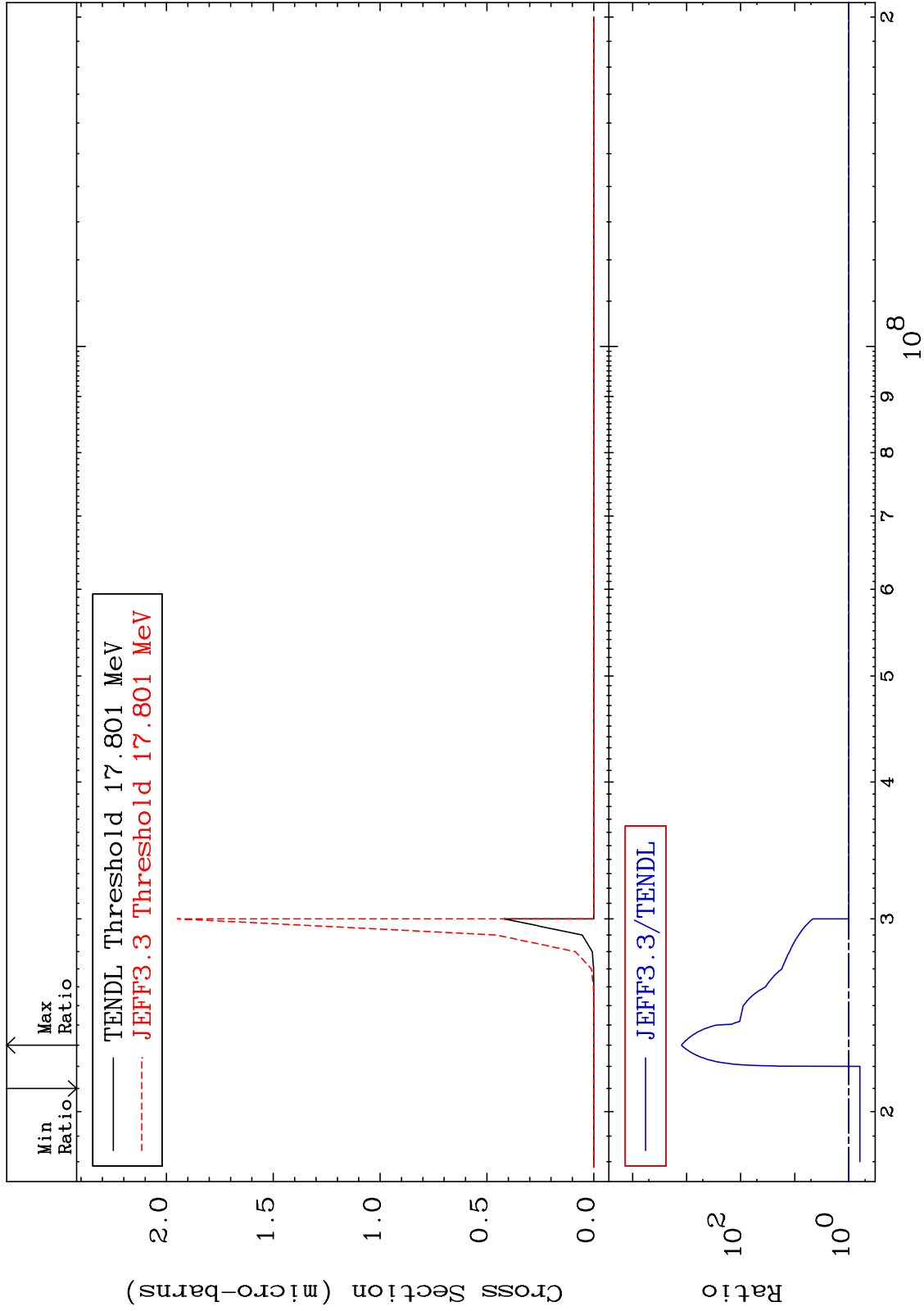
MAT 5537

(n,3n) α

55-Cs-137

Cross Section

-37.71 To 9999. %



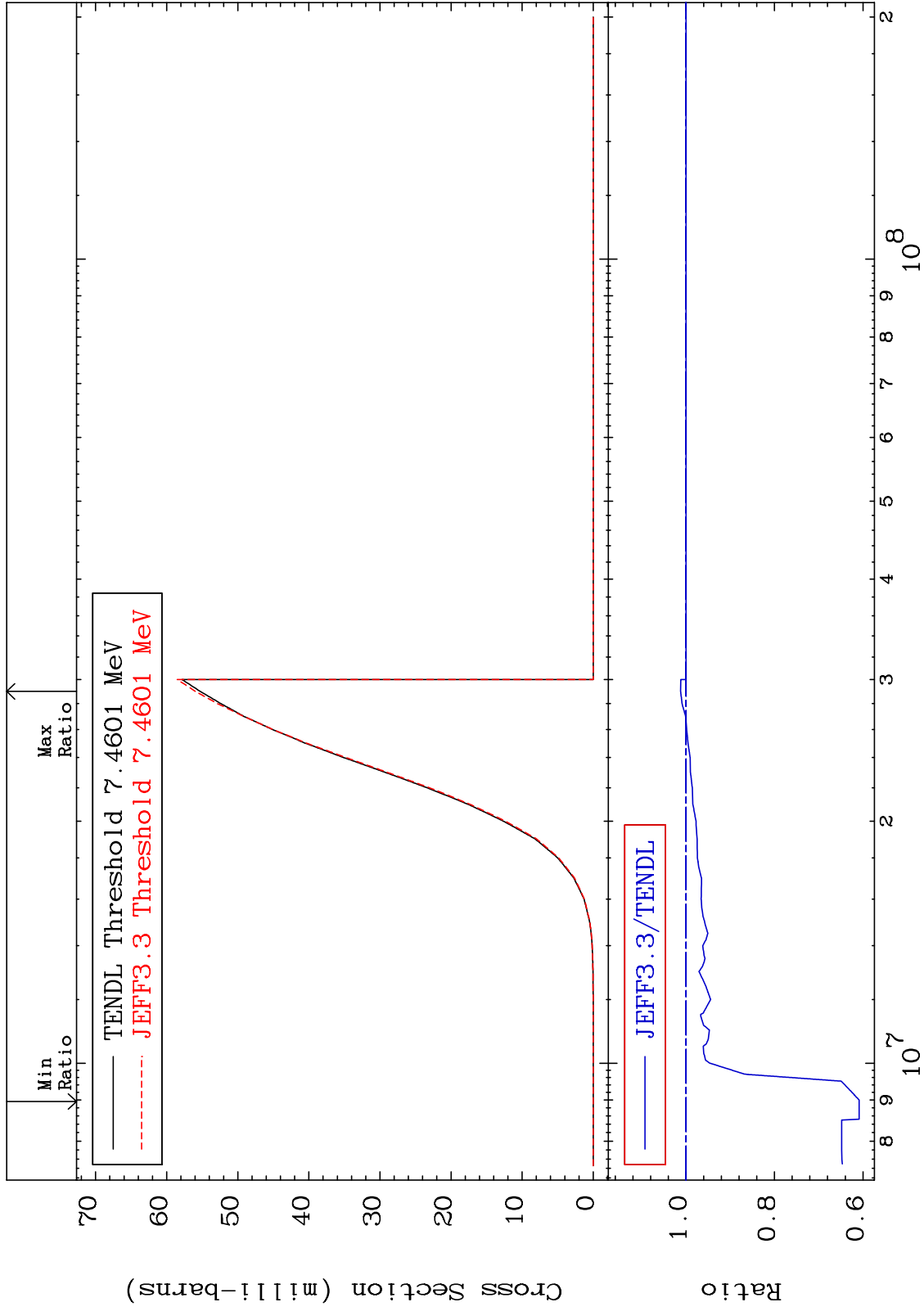
MAT 5537

(n,n') p

55-Cs-137

Cross Section

-39.14 To 1.210 %



55-Cs-137

Incident Energy (eV)

10

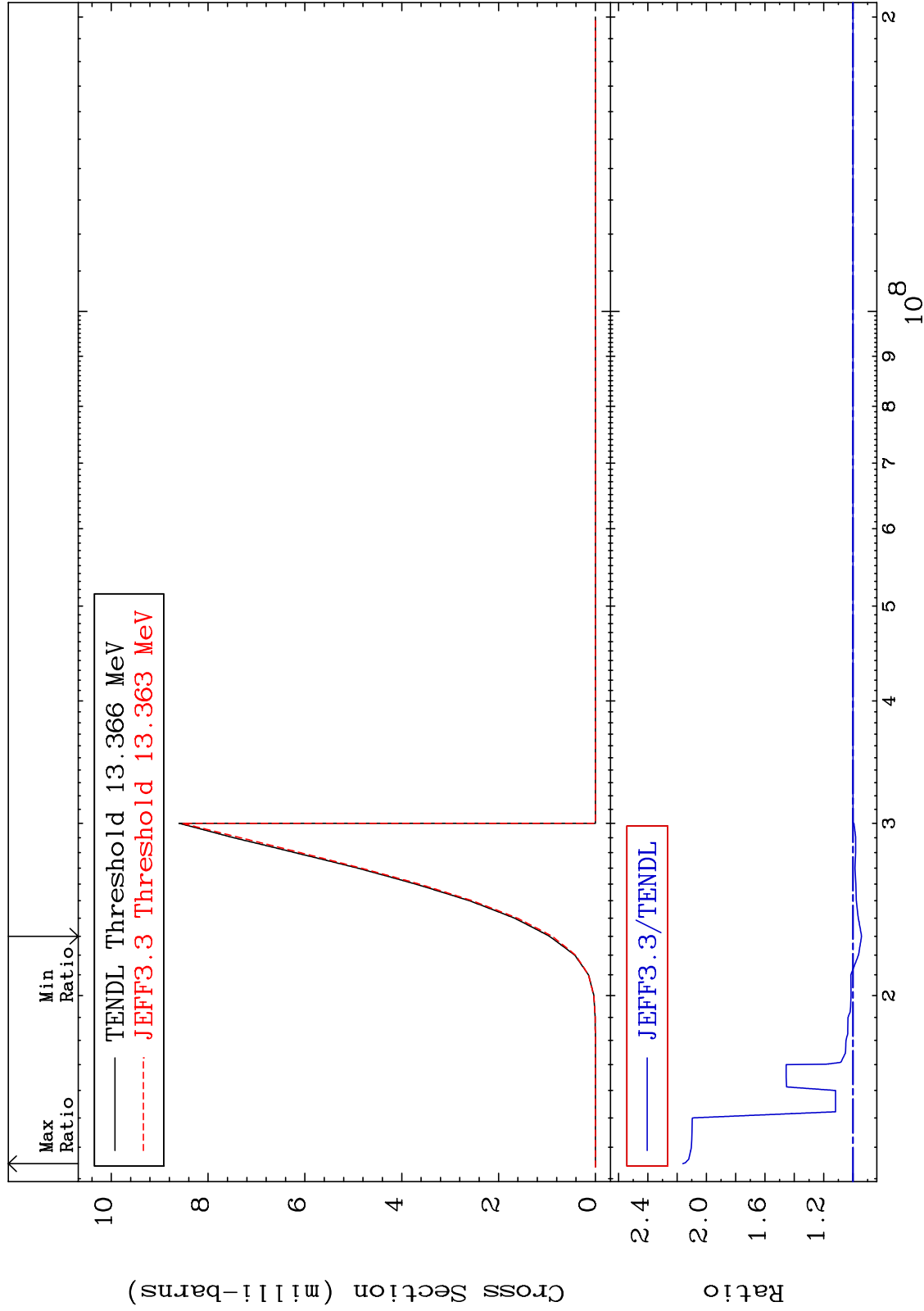
MAT 5537

(n, n') d

55-Cs-137

Cross Section

-5.873 To 116.1 %



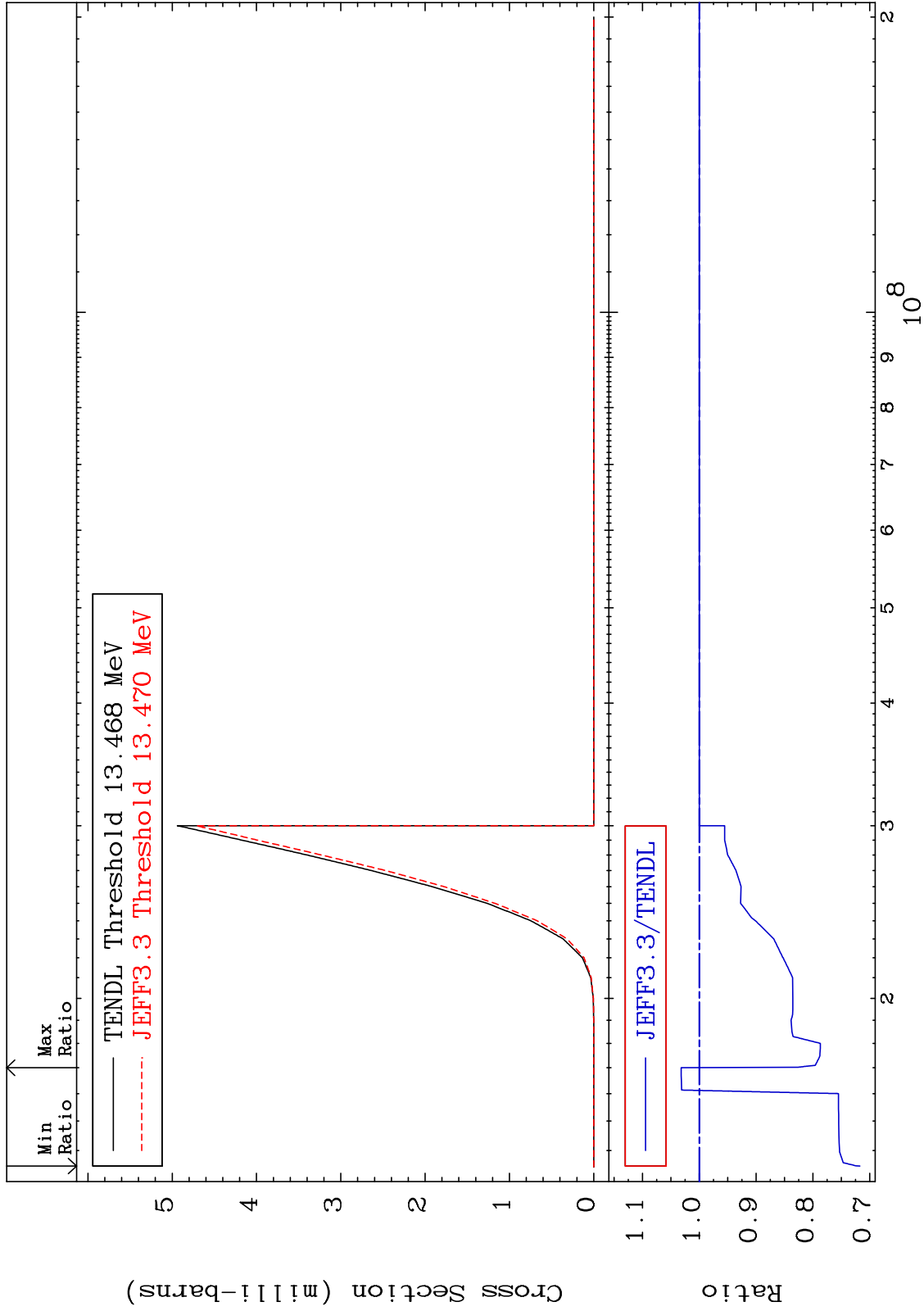
MAT 5537

(n, n') t

55-Cs-137

Cross Section

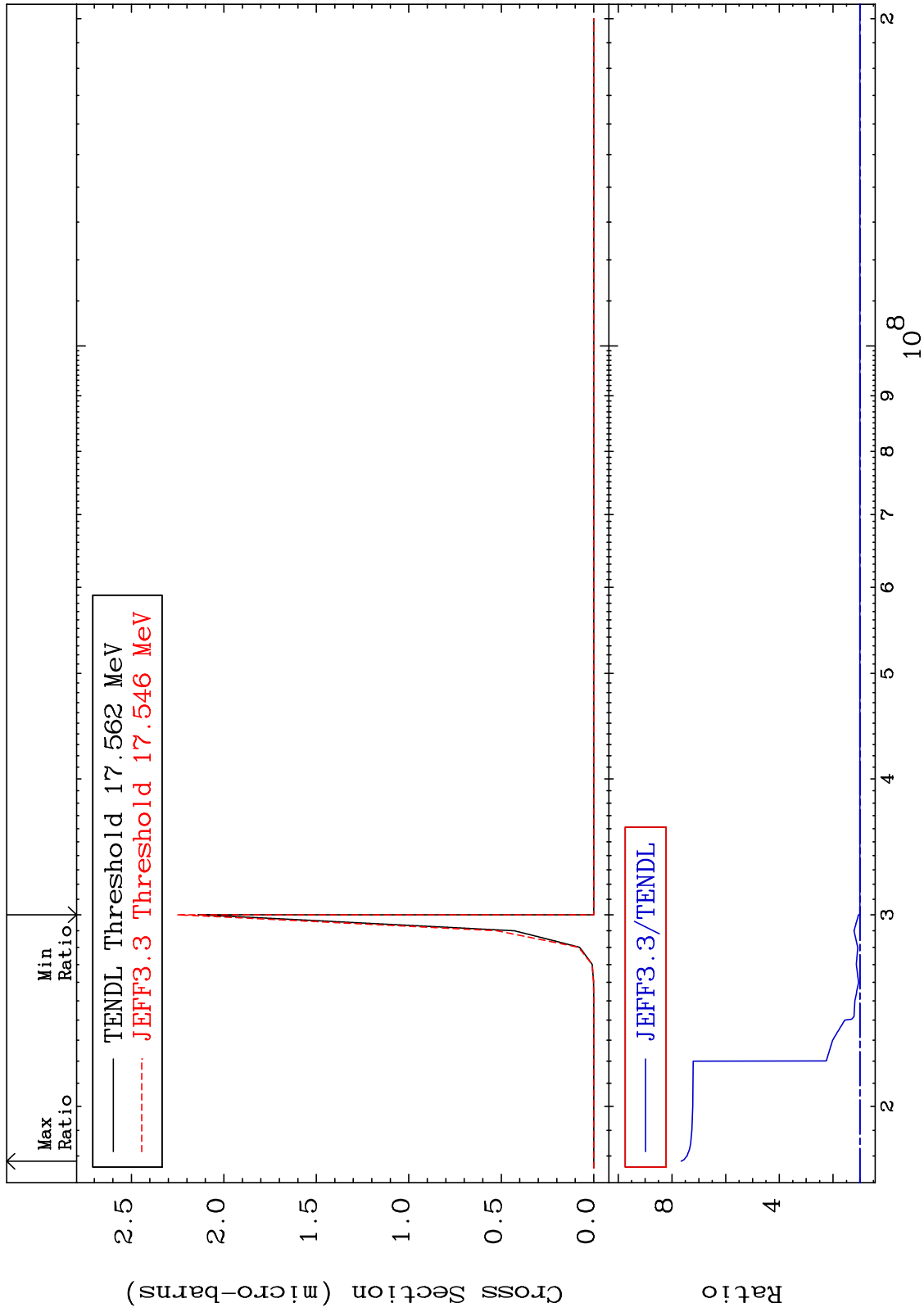
-28.28 To 3.183 %



MAT 5537

(n, n') He-3
Cross Section

55-Cs-137
0.000 To 665.4 %



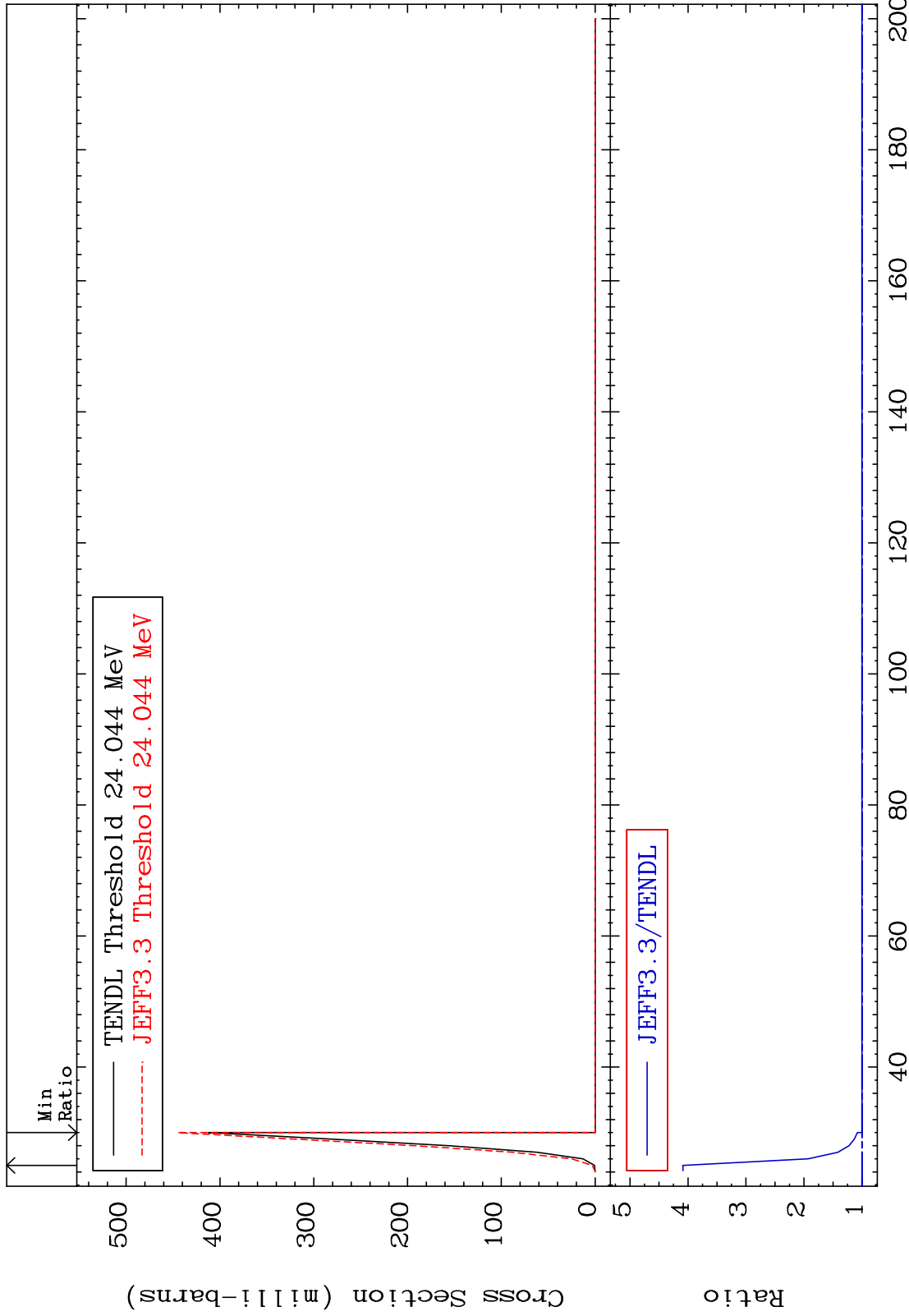
MAT 5537

(n, 4n)

55-Cs-137

Cross Section

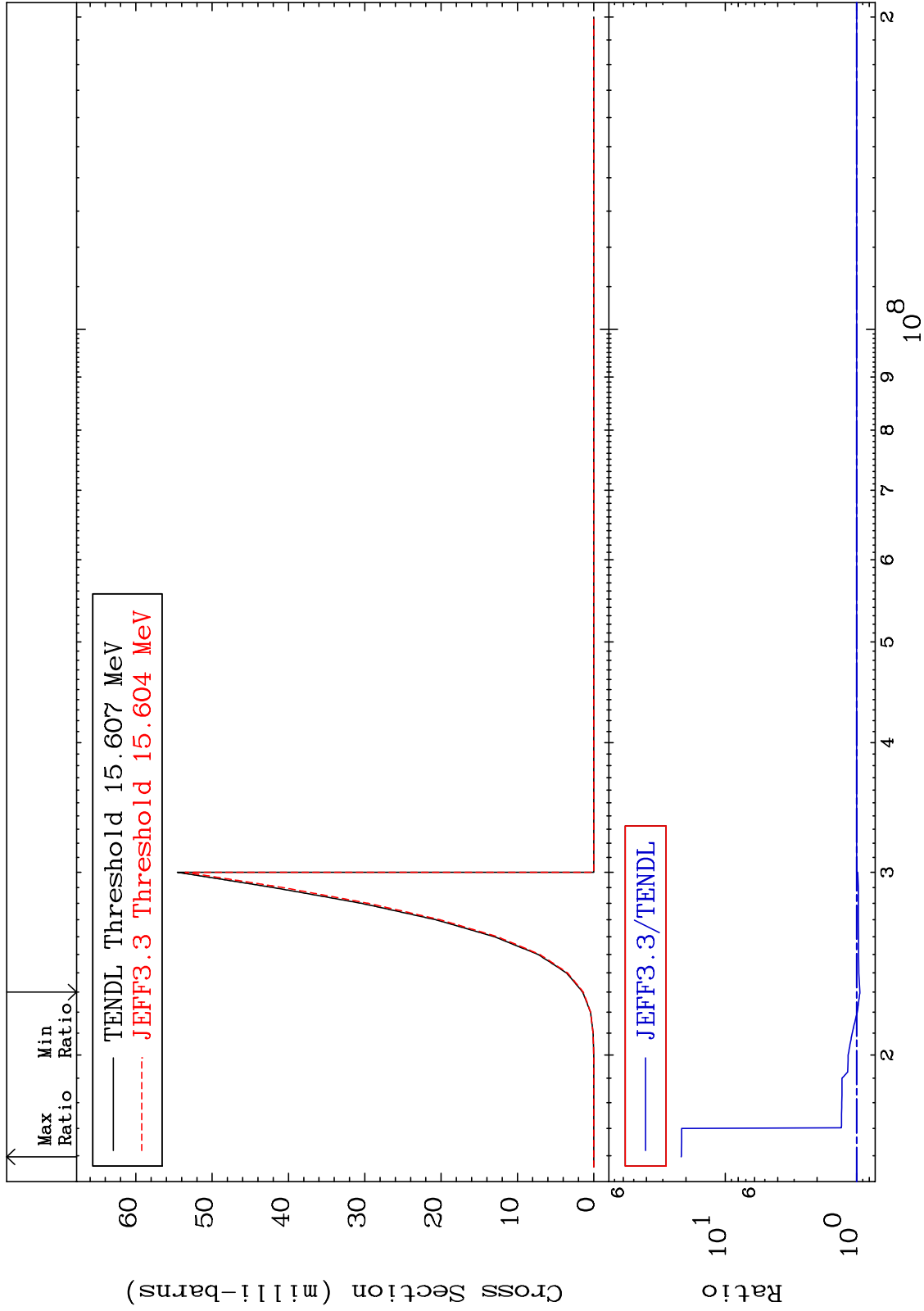
0.000 To 308.8 %



MAT 5537

(n,2n) p
Cross Section

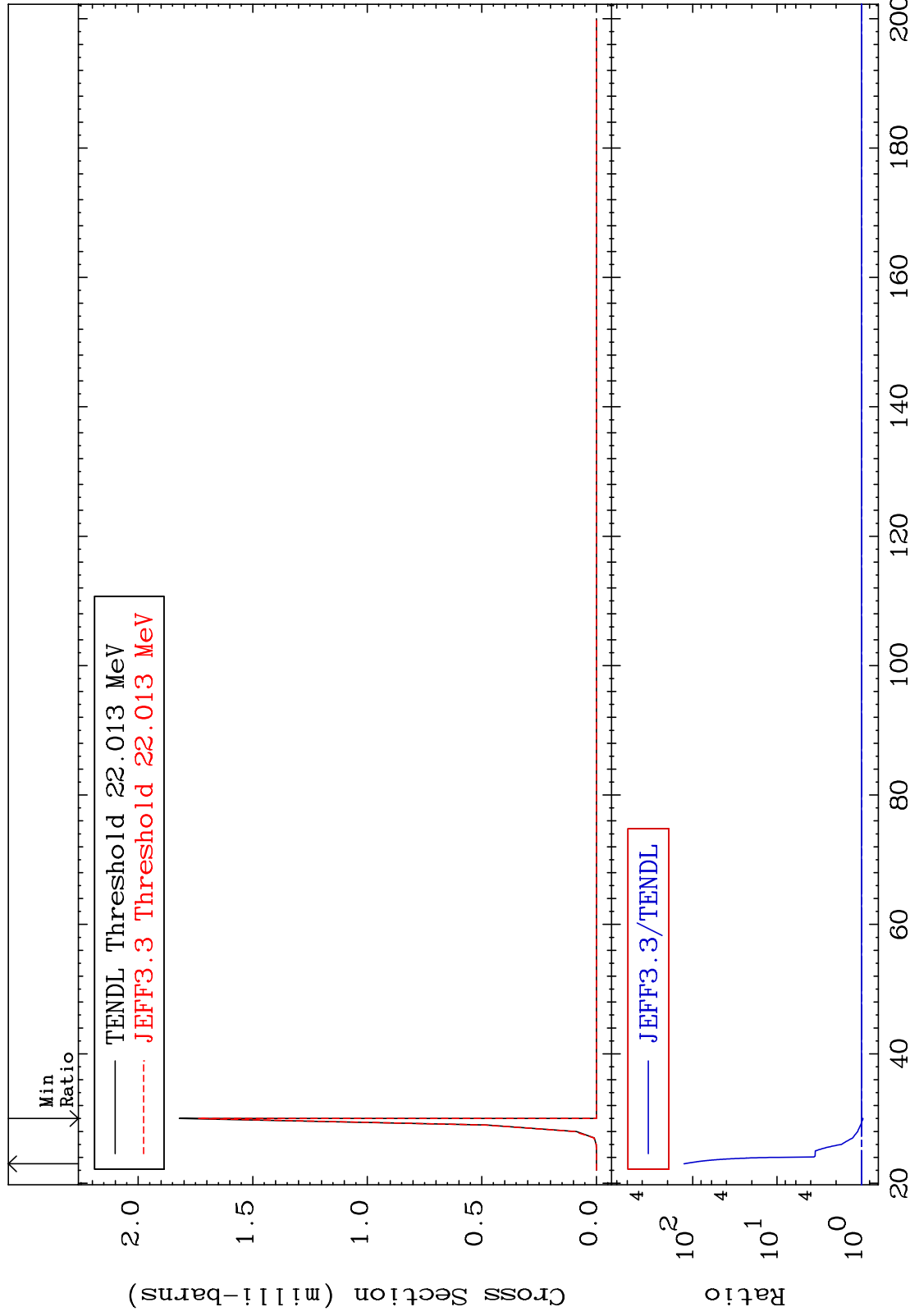
55-Cs-137
-5.588 To 2070. %



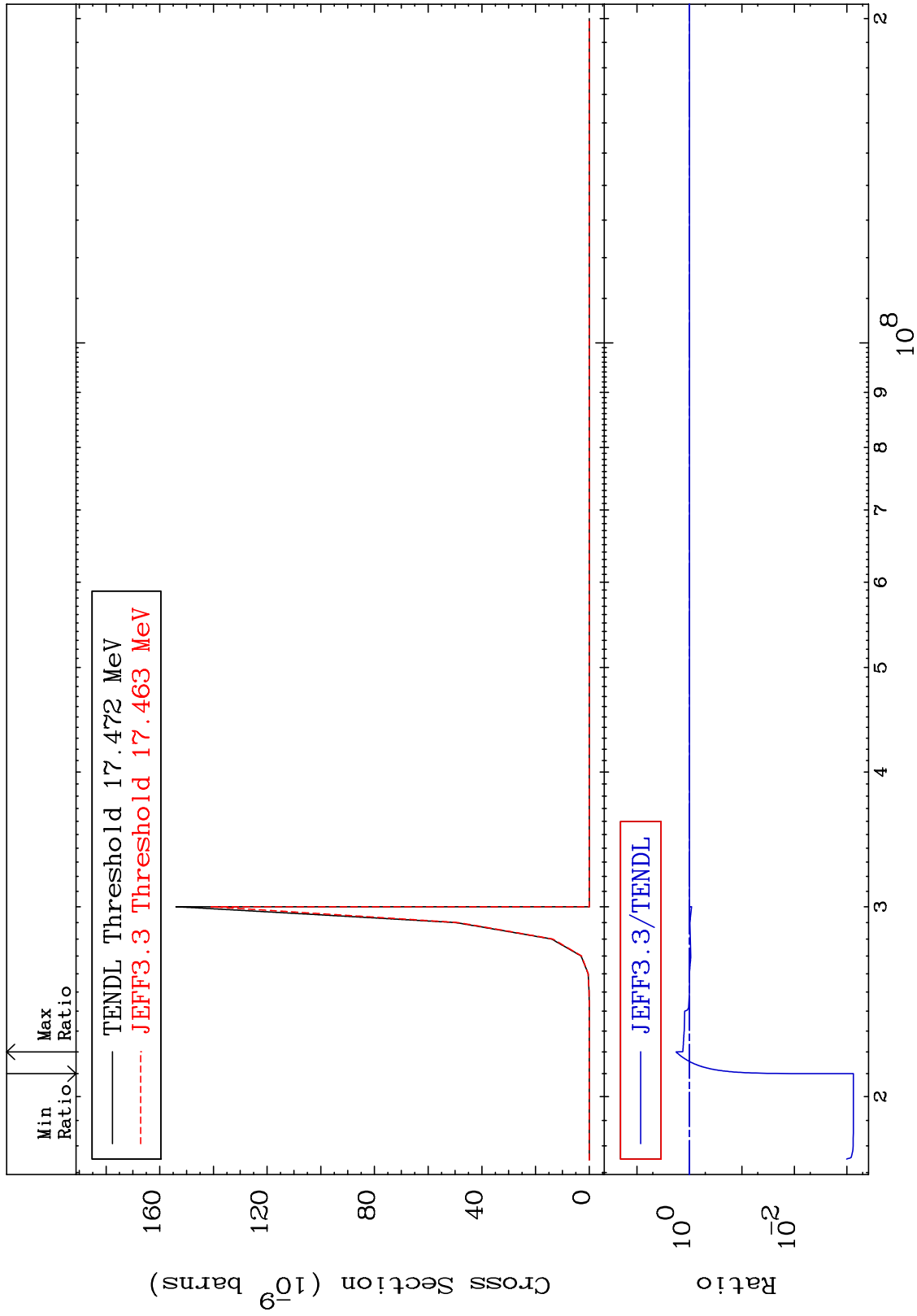
MAT 5537

(n,3n) p
Cross Section

55-Cs-137
-4.486 To 9999. %



MAT 5537 (n,2n) p 55-Cs-137
Cross Section -99.92 To 80.28 %



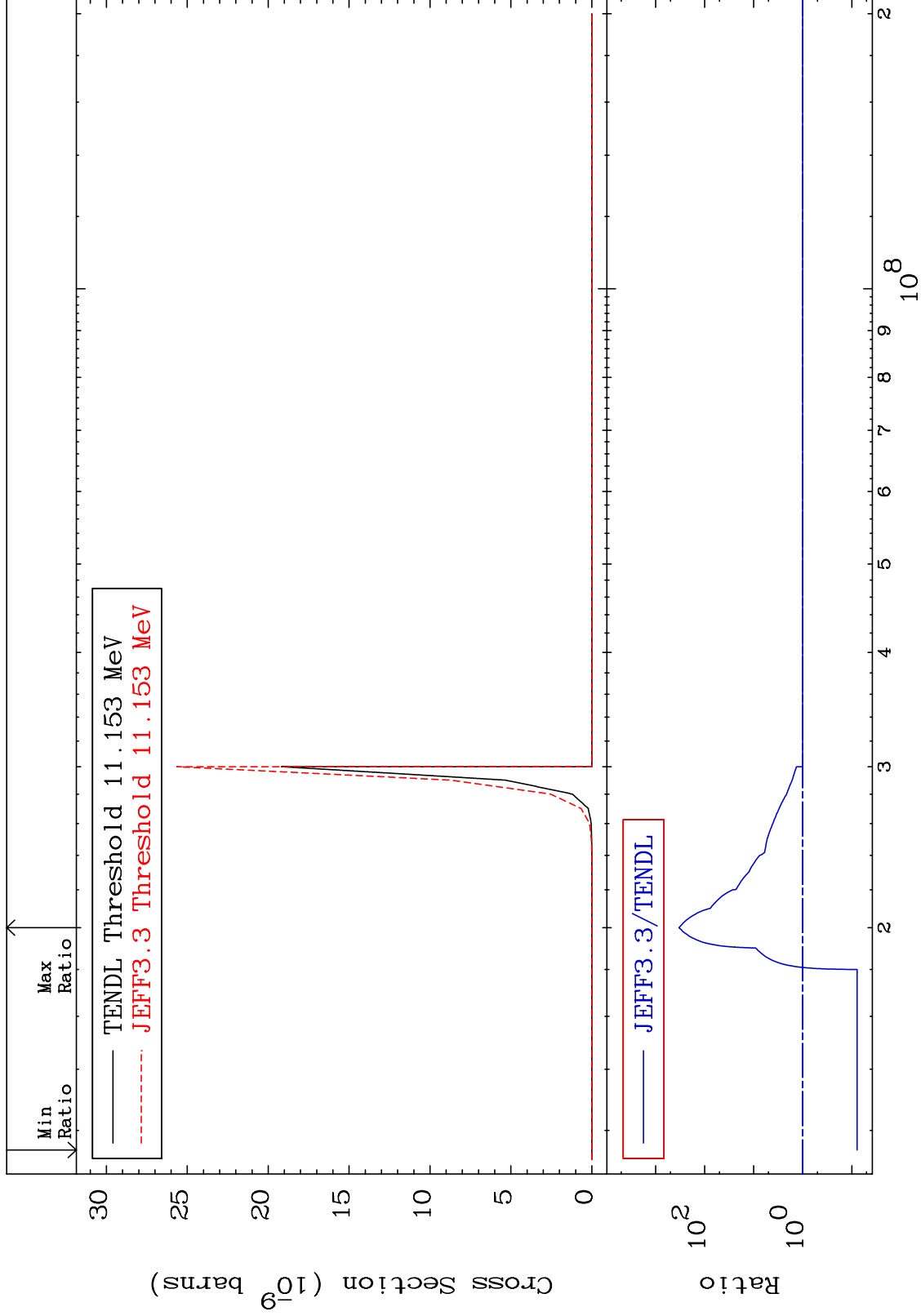
55-Cs-137

Incident Energy (eV)

MAT 5537

(n,n') p α
Cross Section

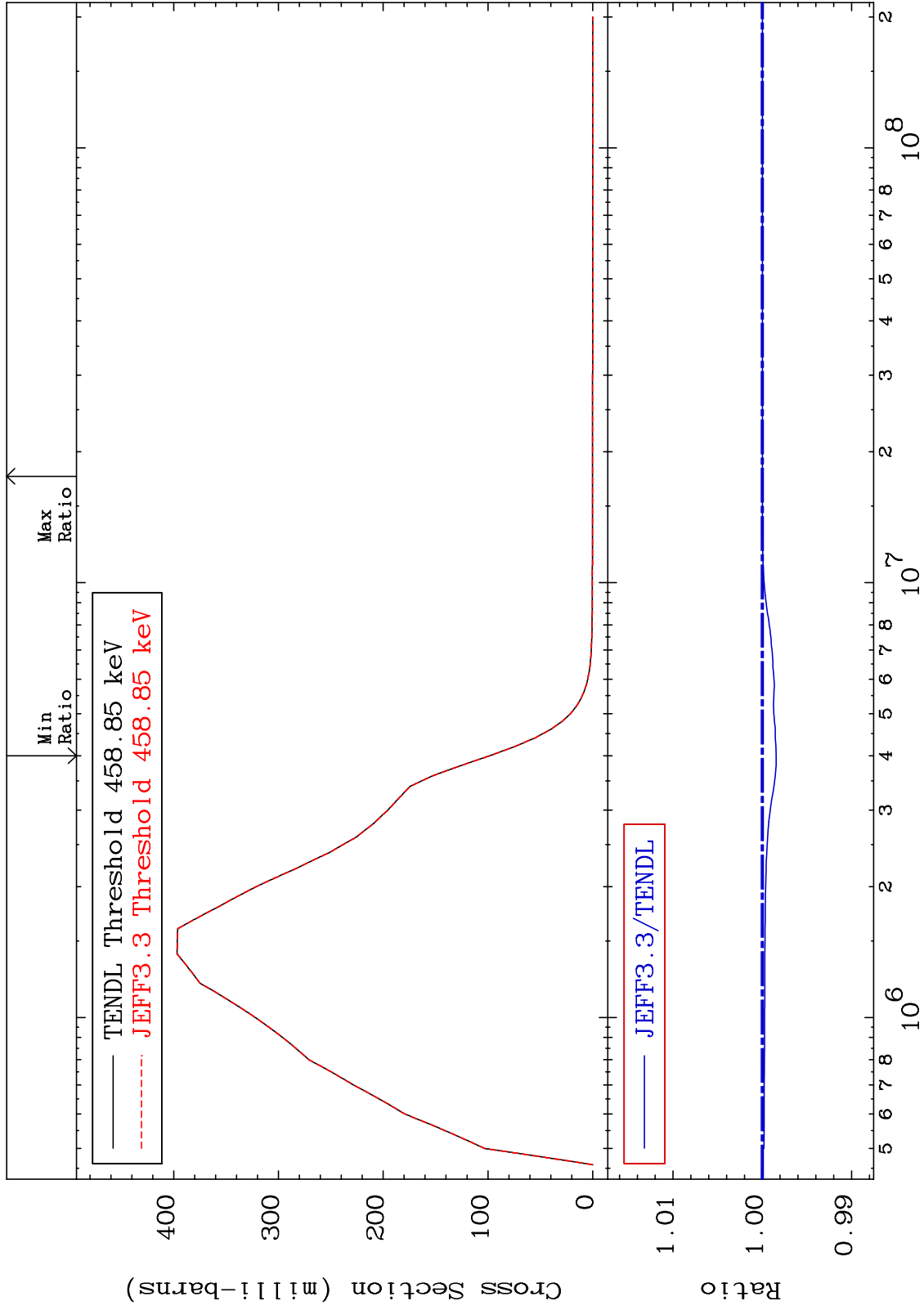
55-Cs-137
-92.22 To 9999. %



MAT 5537

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

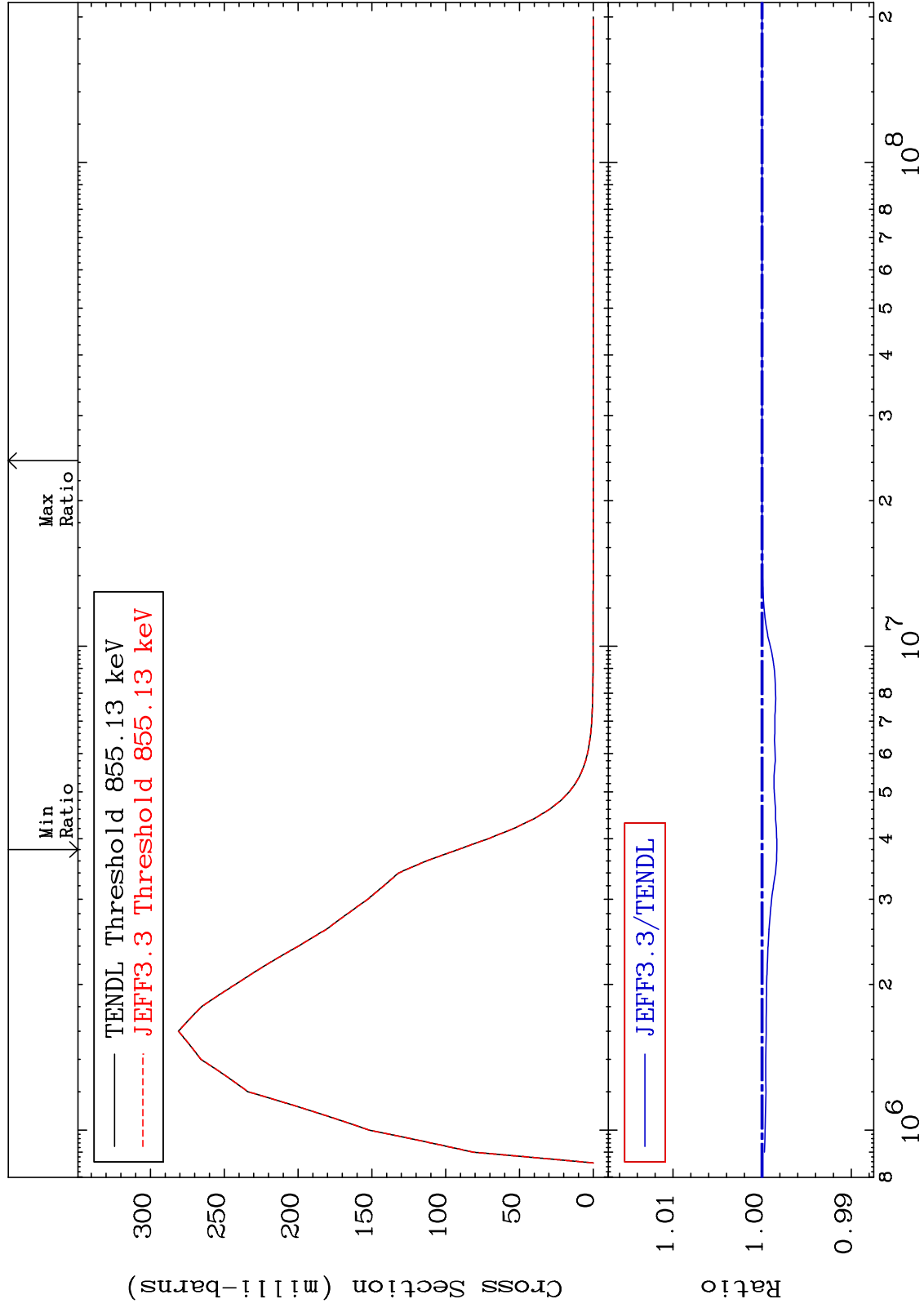
55-Cs-137
-0.155 To 0.000 %



MAT 5537

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

55-Cs-137
-0.166 To 0.000 %



55-Cs-137

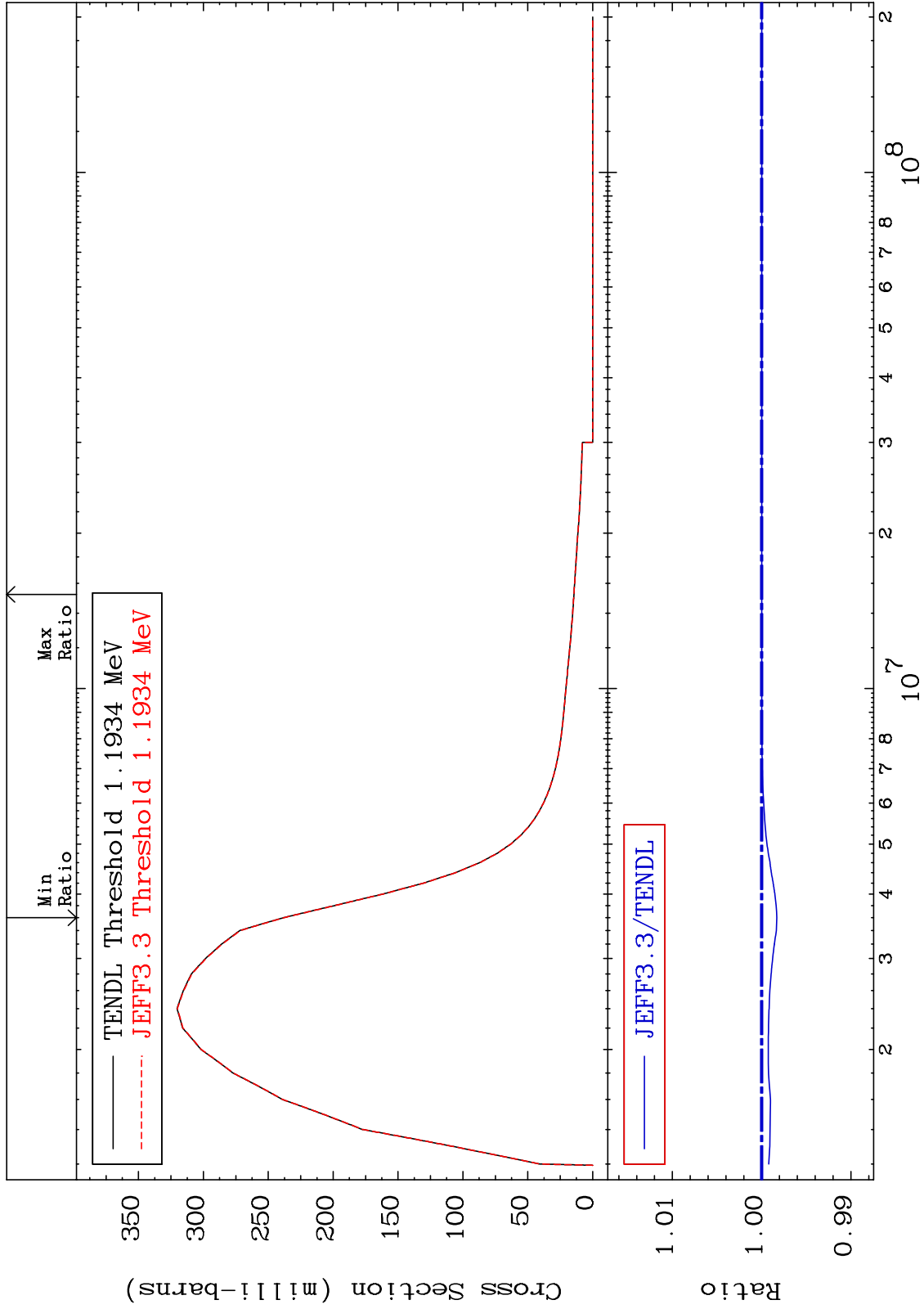
Incident Energy (eV)

20

MAT 5537

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

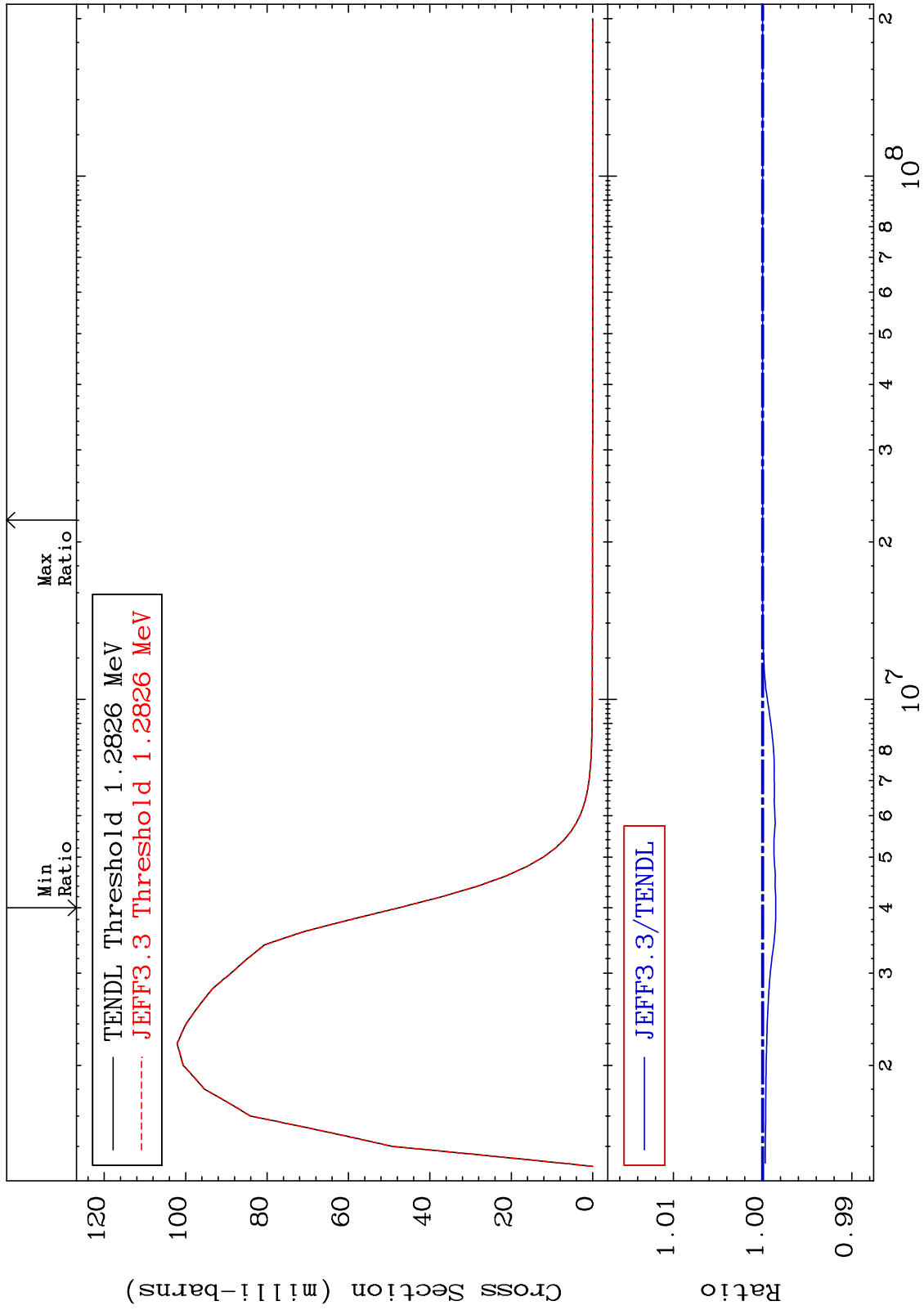
55-Cs-137
-0.170 To 0.000 %



MAT 5537

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

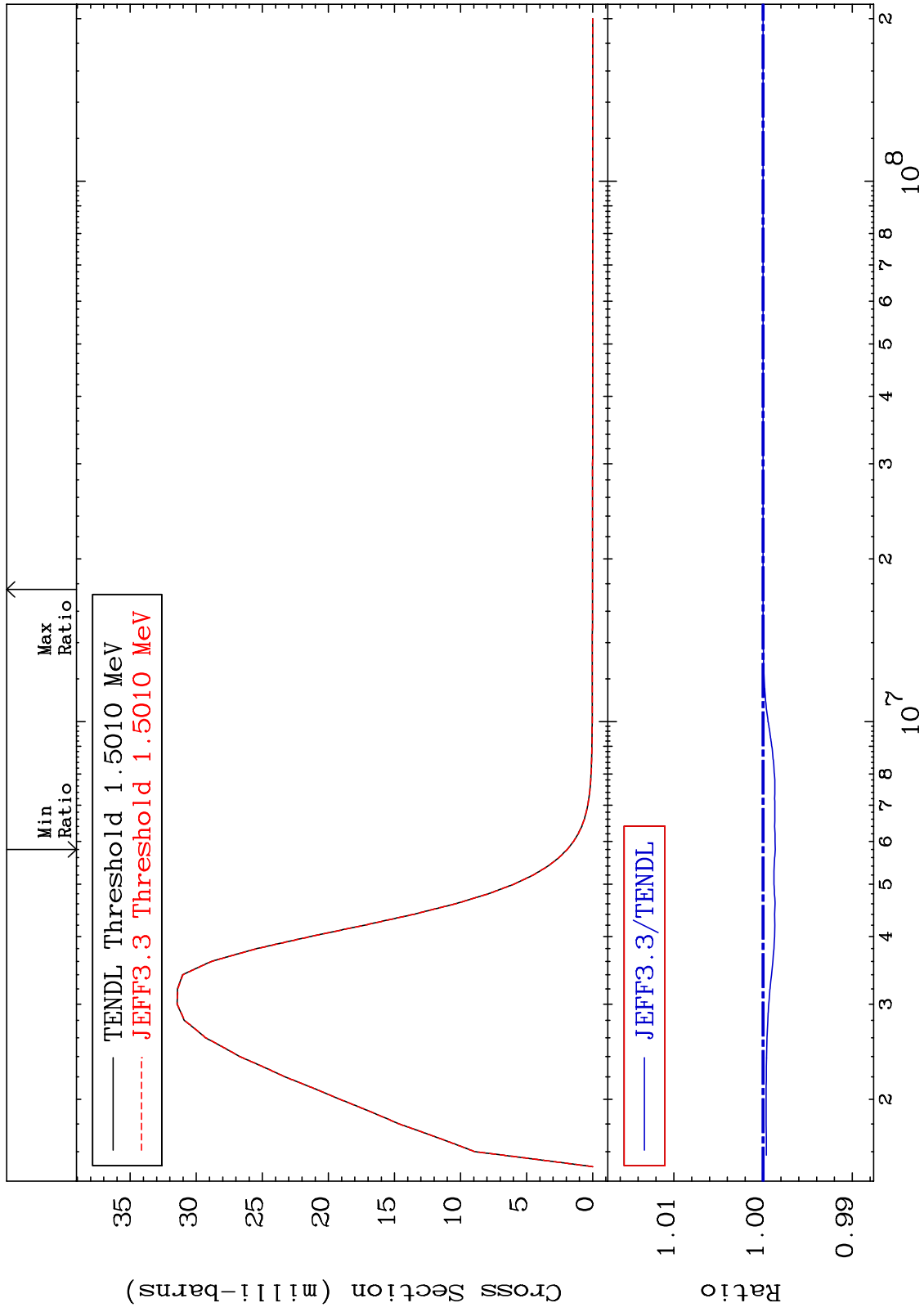
55-Cs-137
-0.147 To 0.000 %



MAT 5537

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

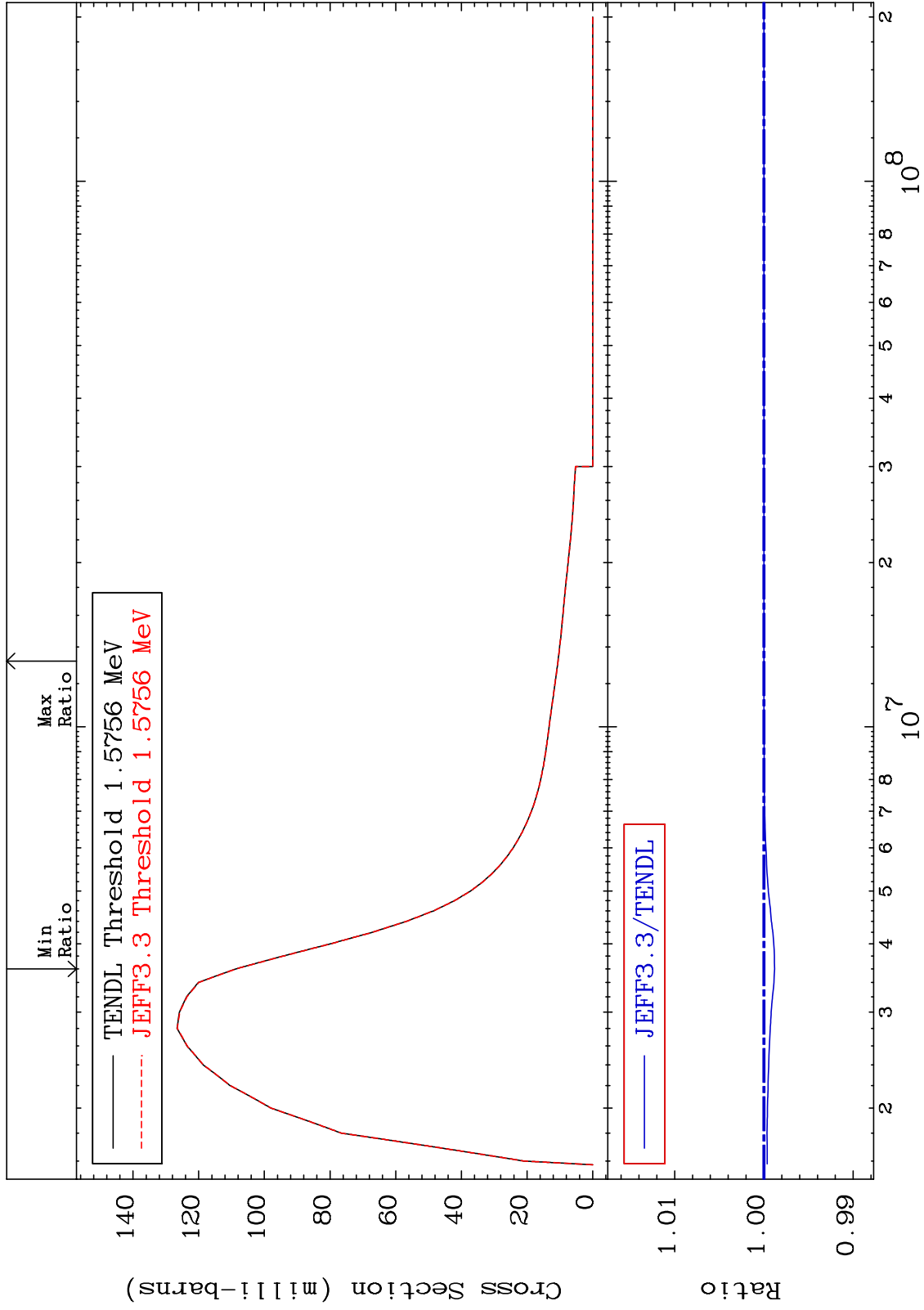
55-Cs-137
-0.138 To 0.000 %



MAT 5537

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

55-Cs-137
-0.119 To 0.000 %



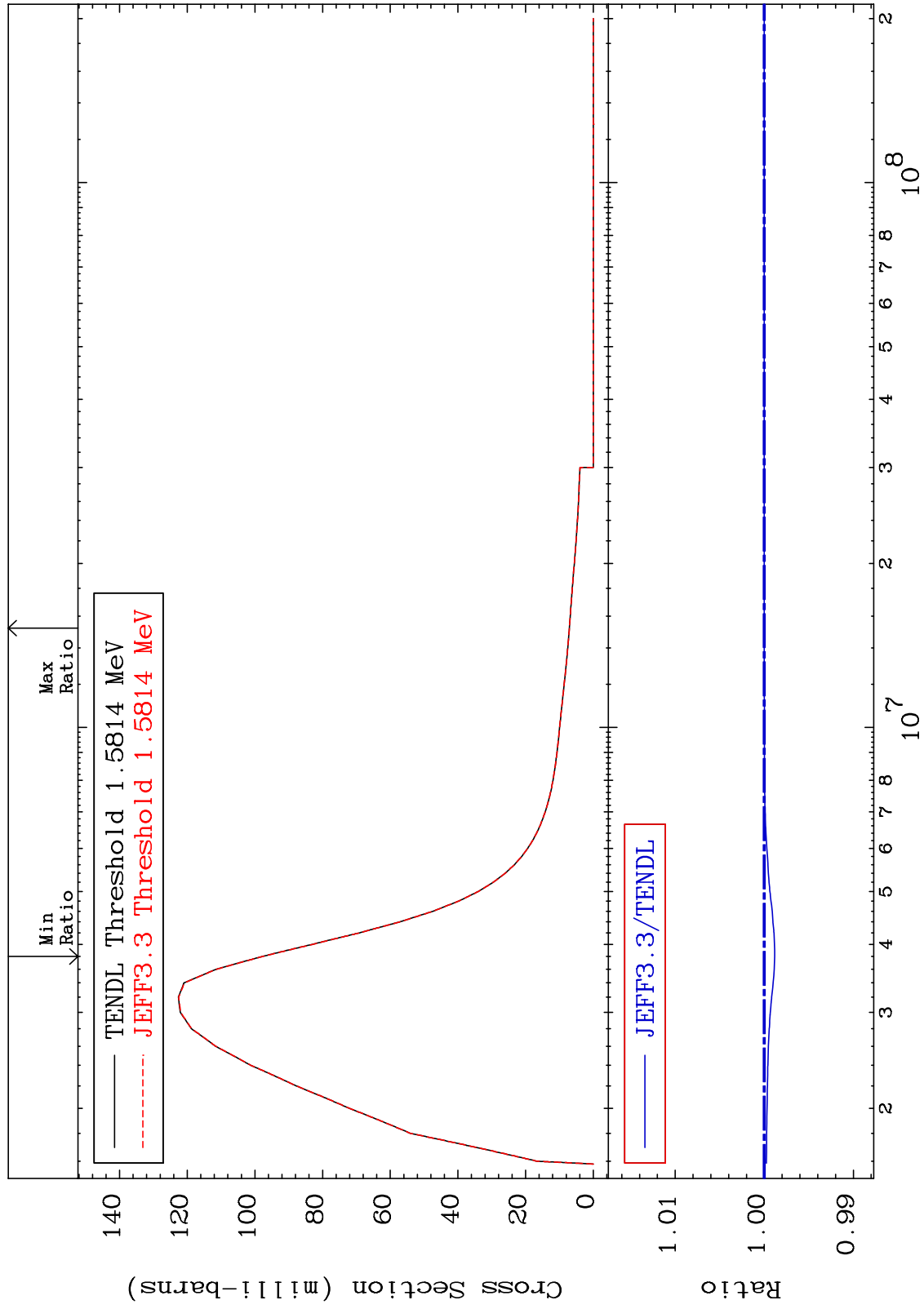
MAT 5537

MT= 57 (n, n') Level

55-Cs-137

-0.117 To 0.000 %

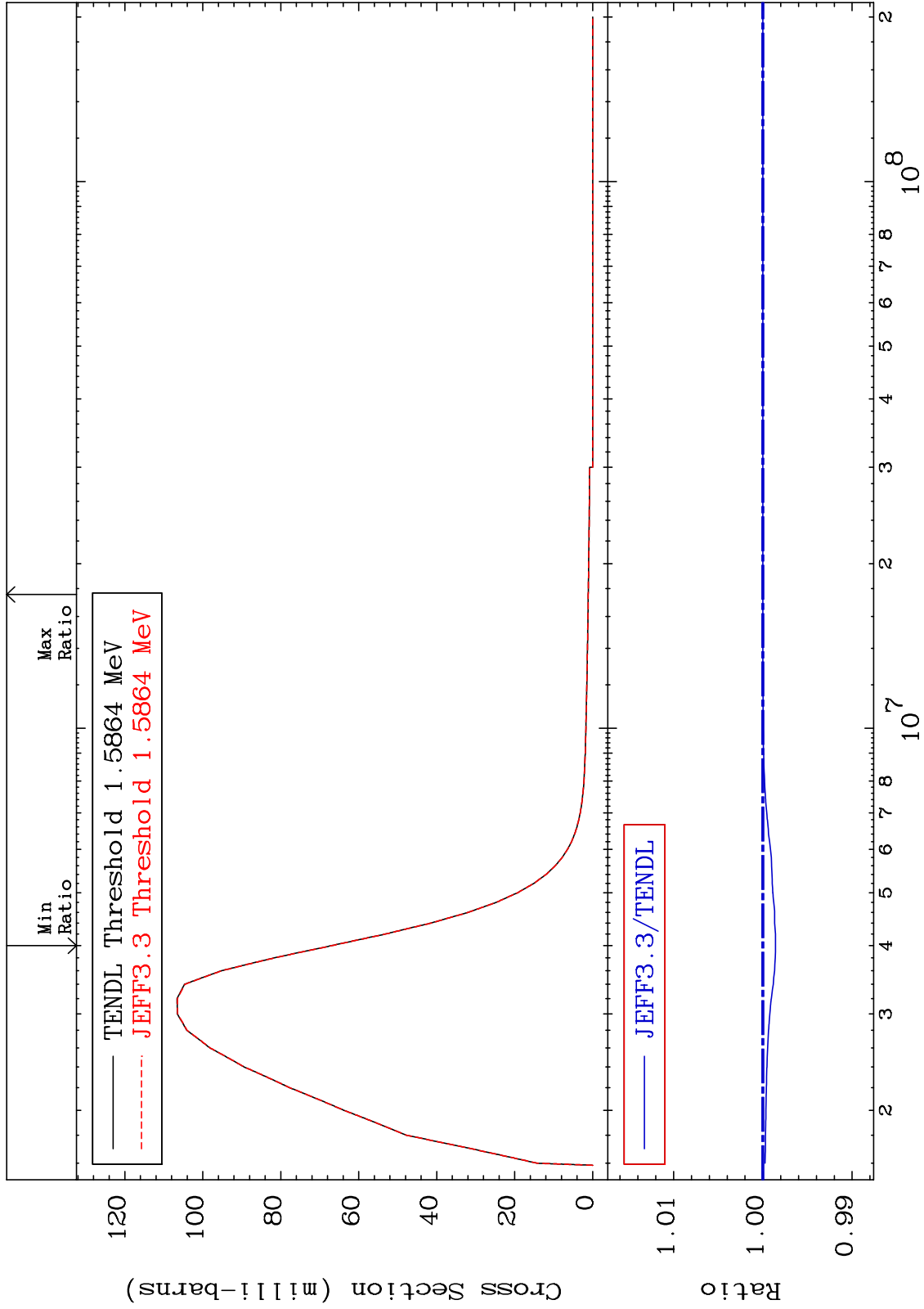
Cross Section



MAT 5537

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

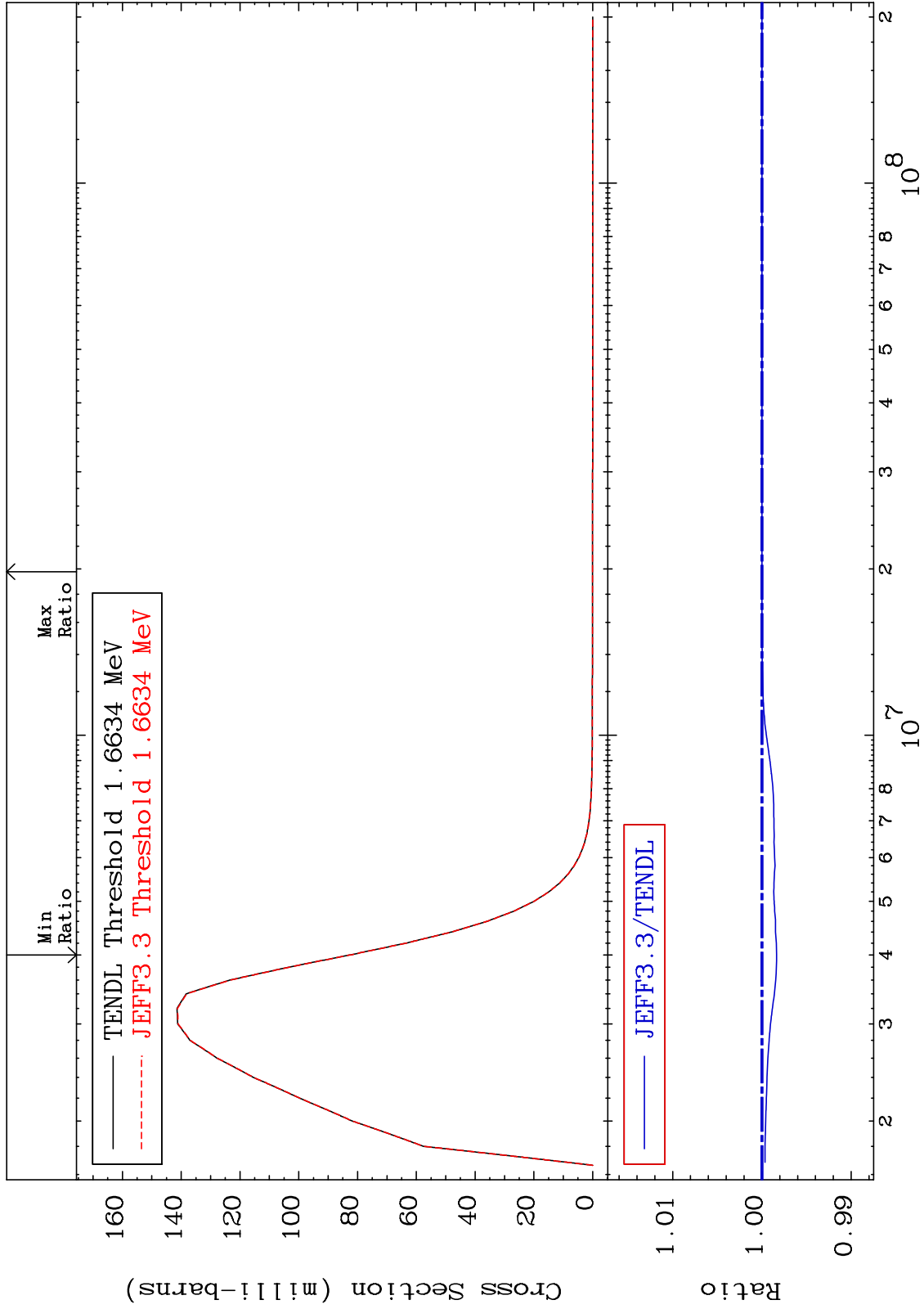
55-Cs-137
-0.142 To 0.000 %



MAT 5537

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

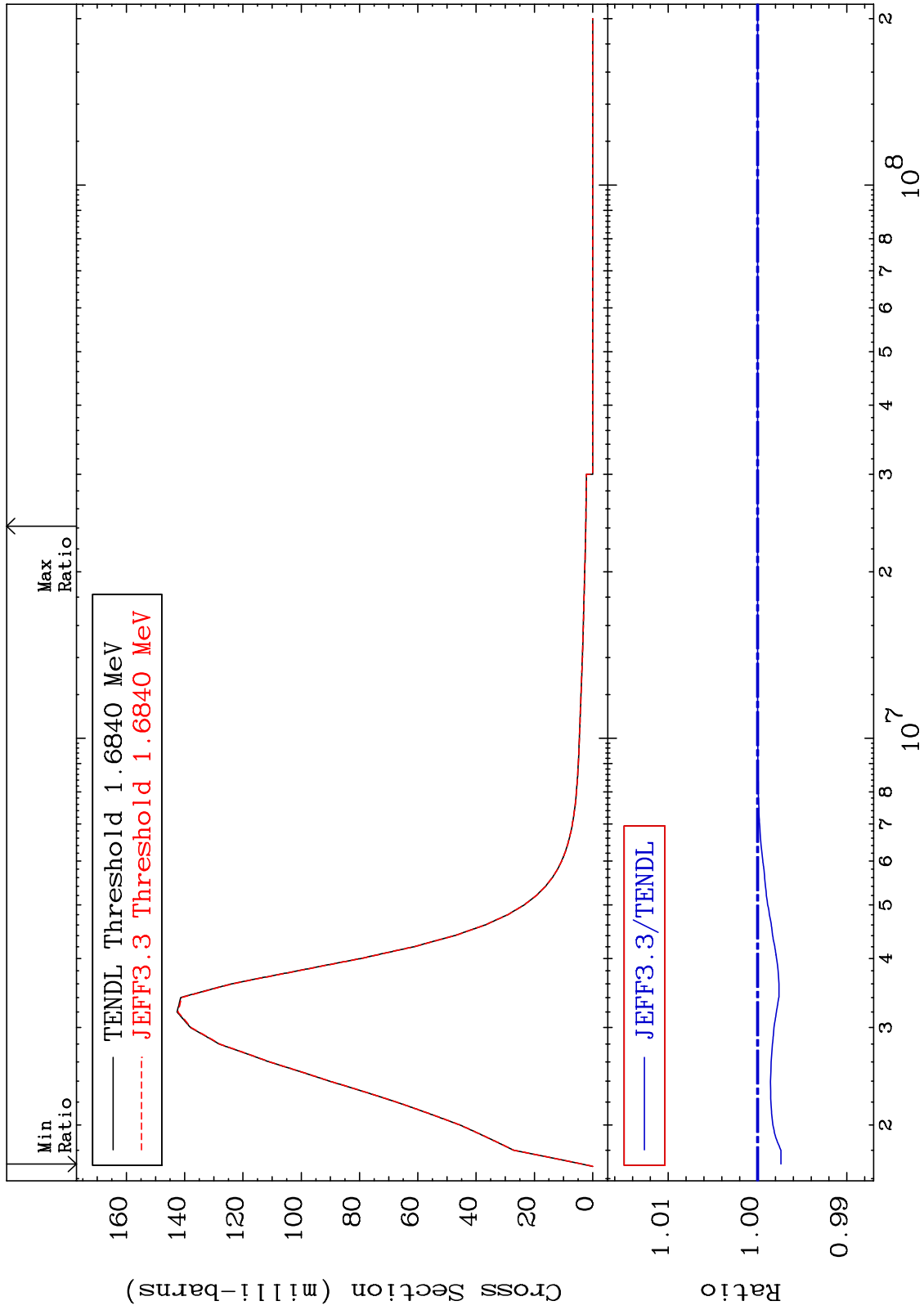
55-Cs-137
-0.163 To 0.000 %



MAT 5537

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

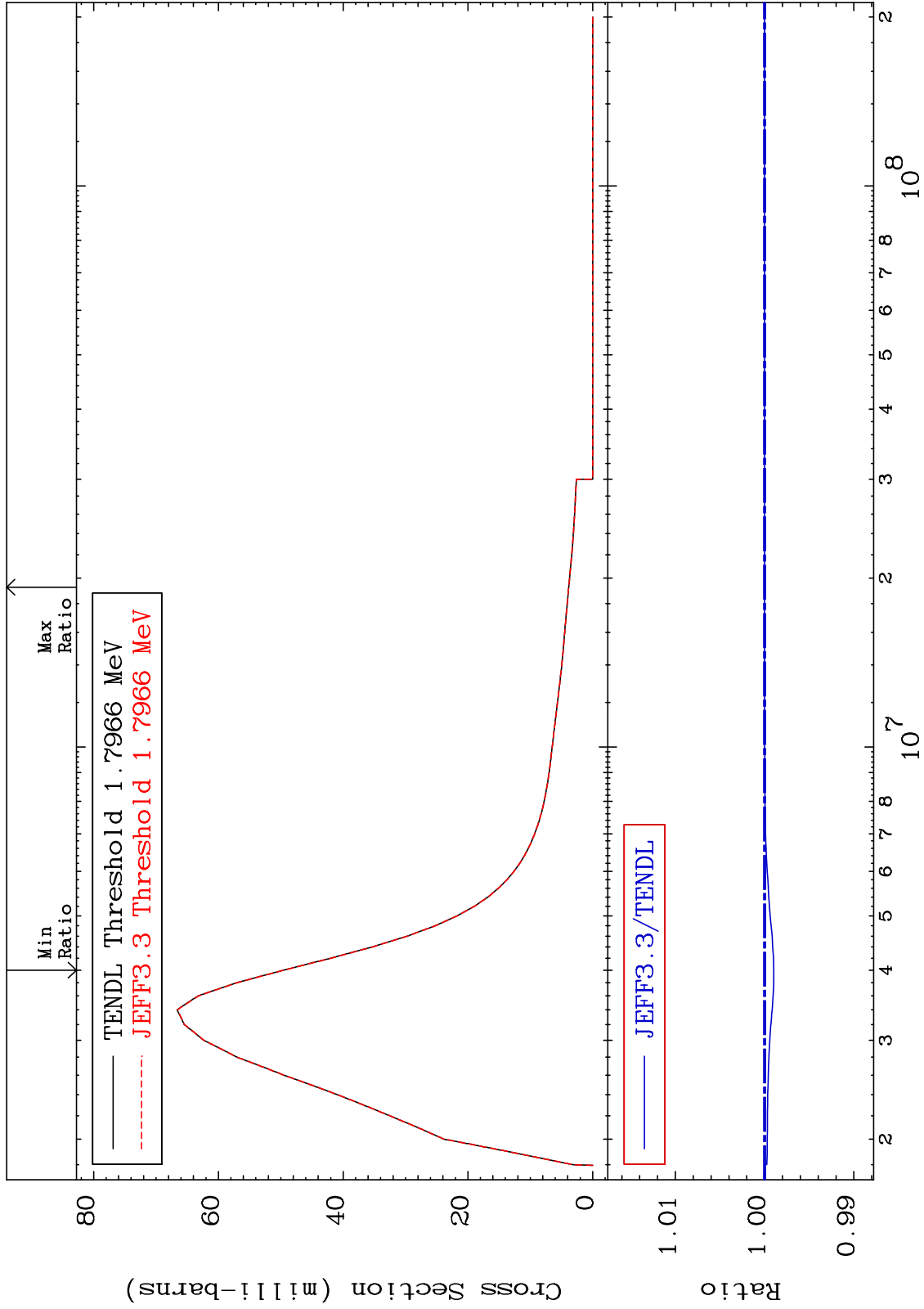
55-Cs-137
-0.261 To 0.000 %



MAT 5537

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

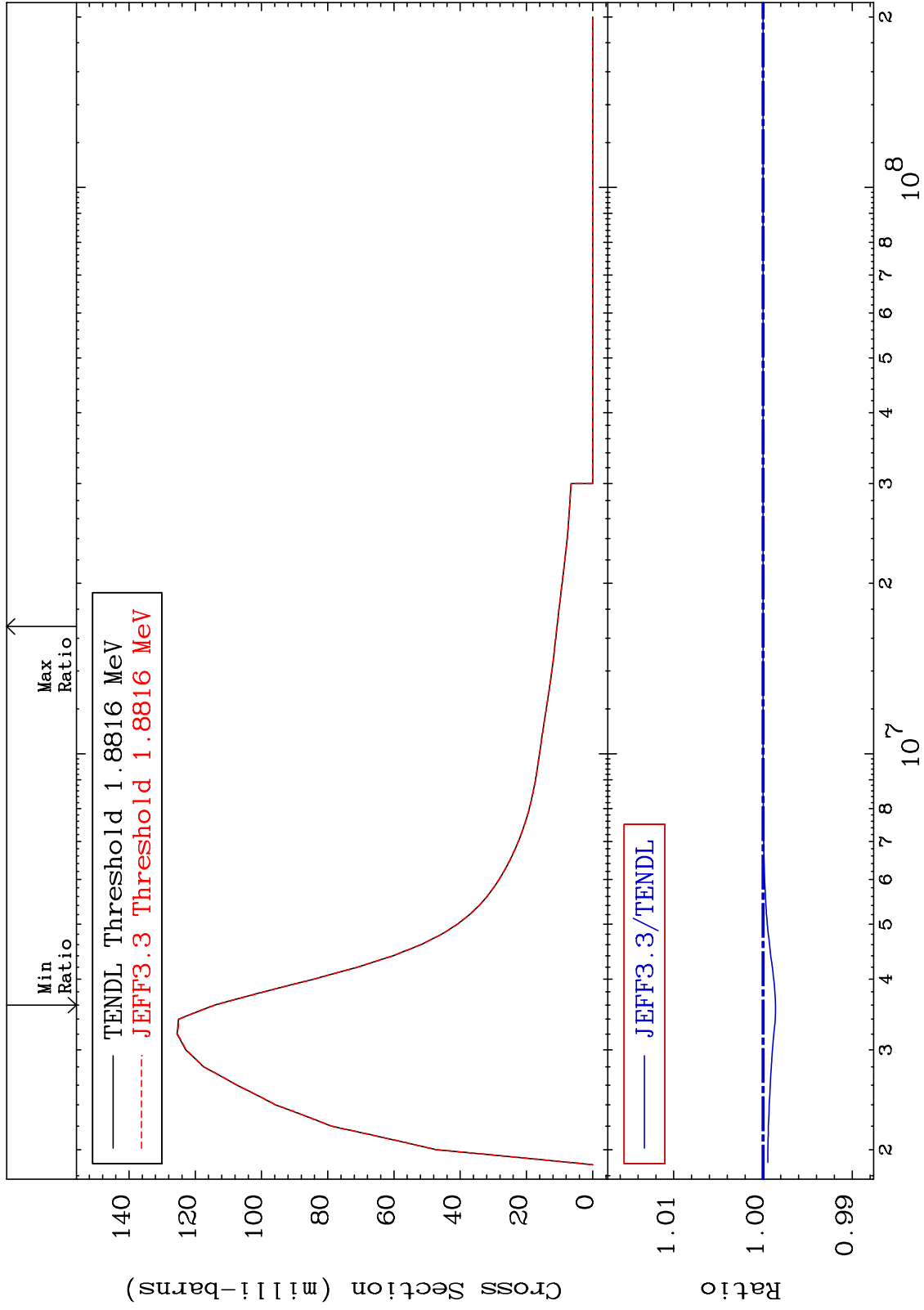
55-Cs-137
-0.103 To 0.000 %



MAT 5537

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

55-Cs-137
-0.140 To 0.000 %



30

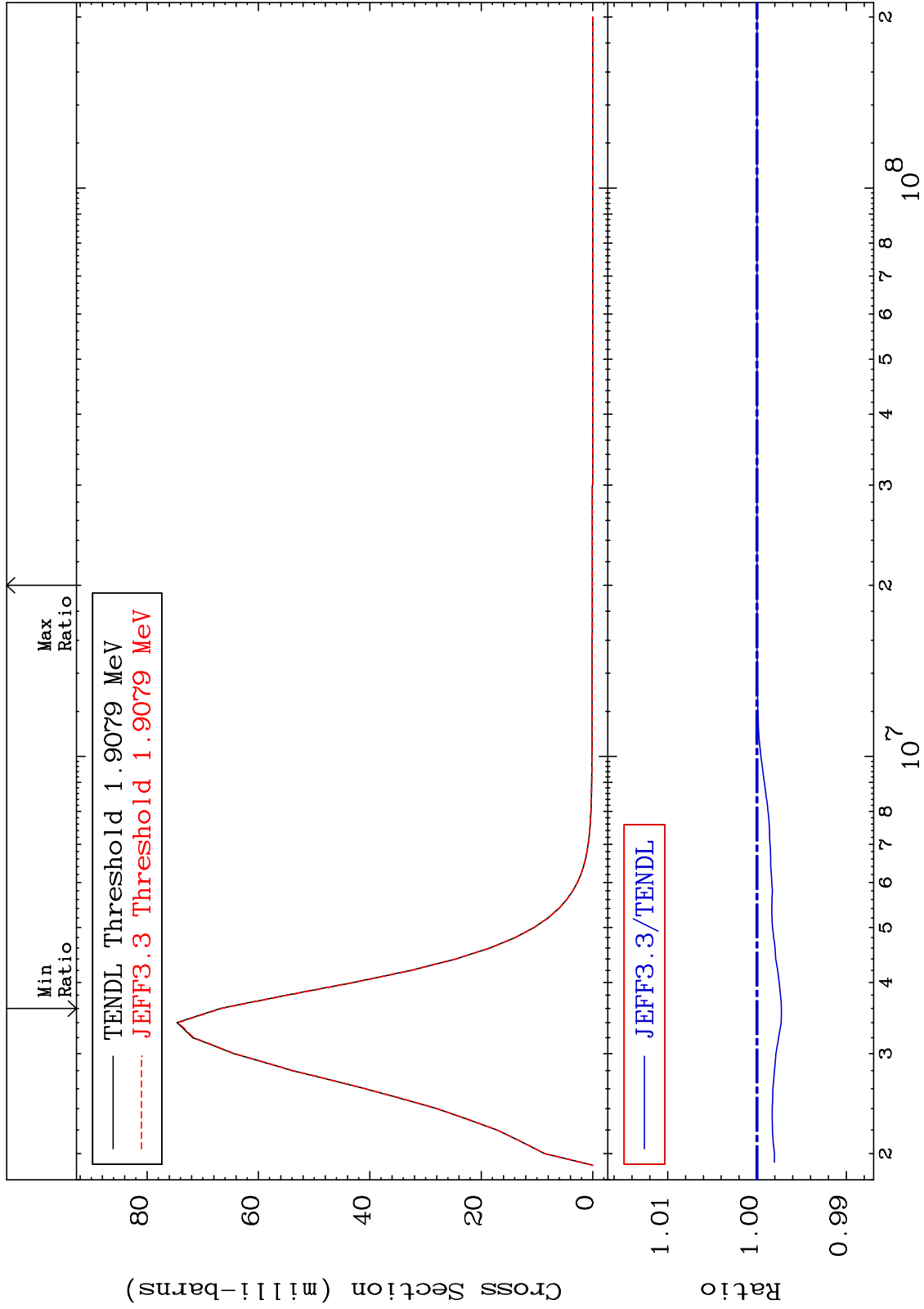
Incident Energy (eV)

55-Cs-137

MAT 5537

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

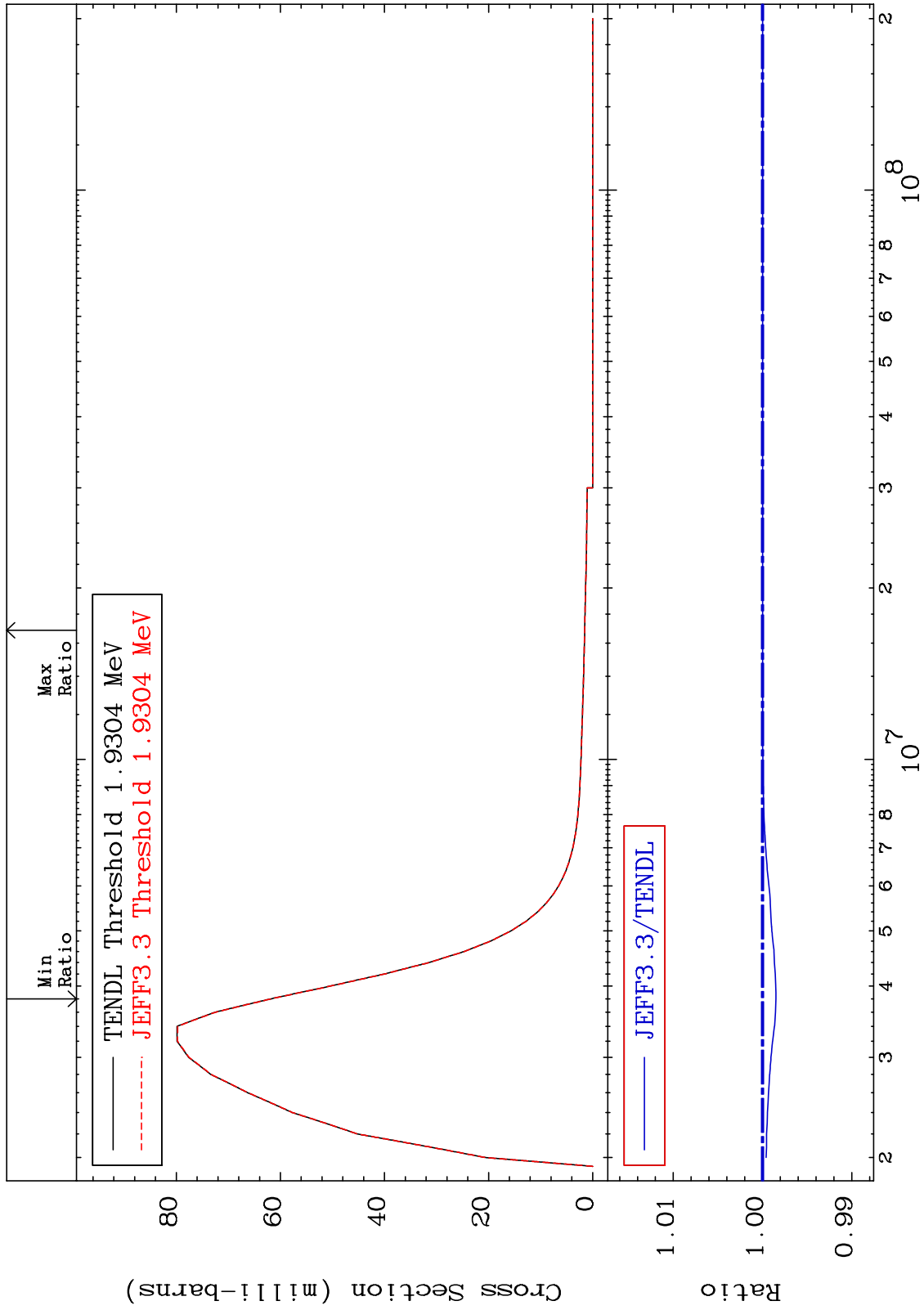
55-Cs-137
-0.274 To 0.000 %



MAT 5537

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

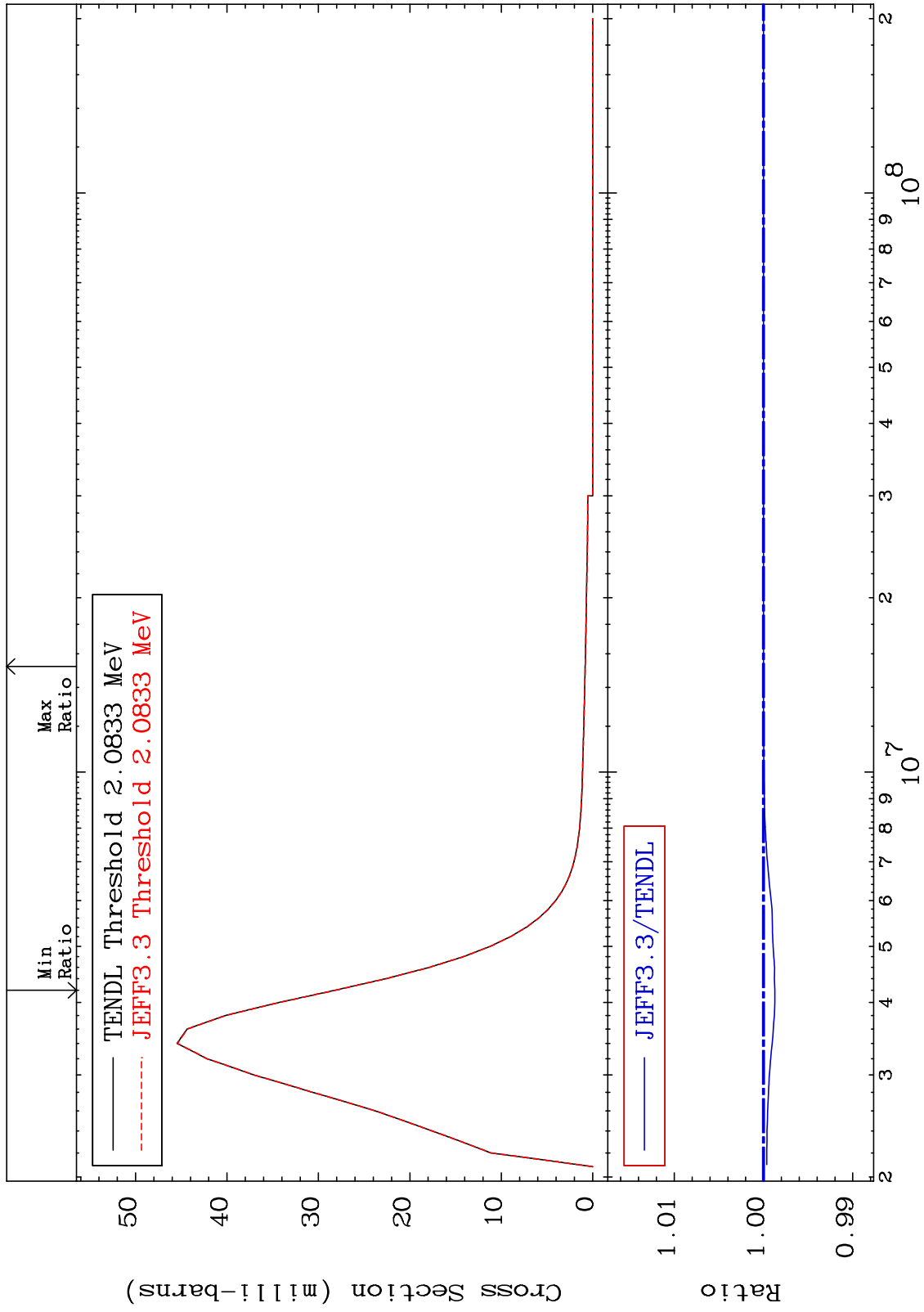
55-Cs-137
-0.150 To 0.000 %



MAT 5537

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

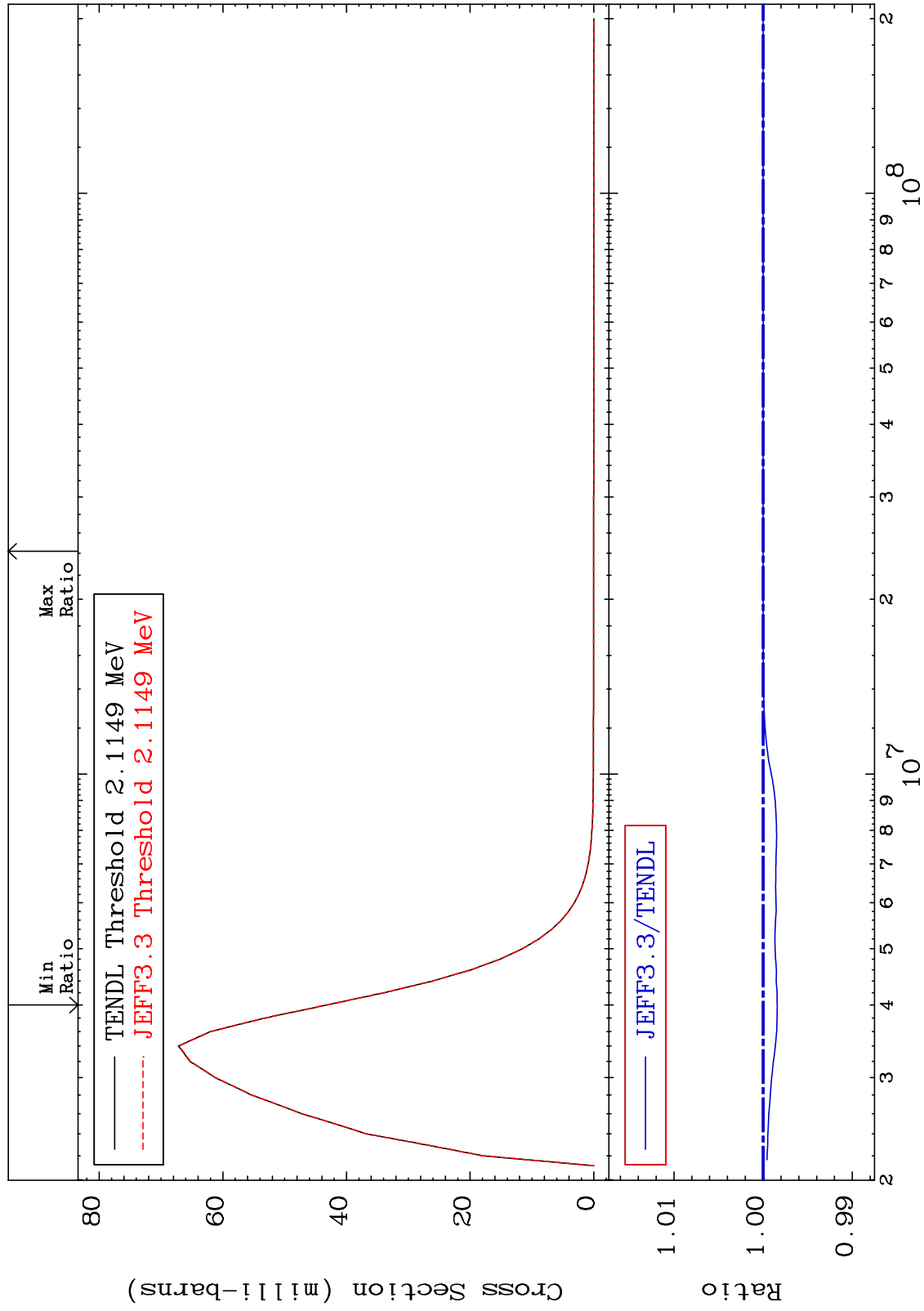
55-Cs-137
-0.127 To 0.000 %



MAT 5537

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

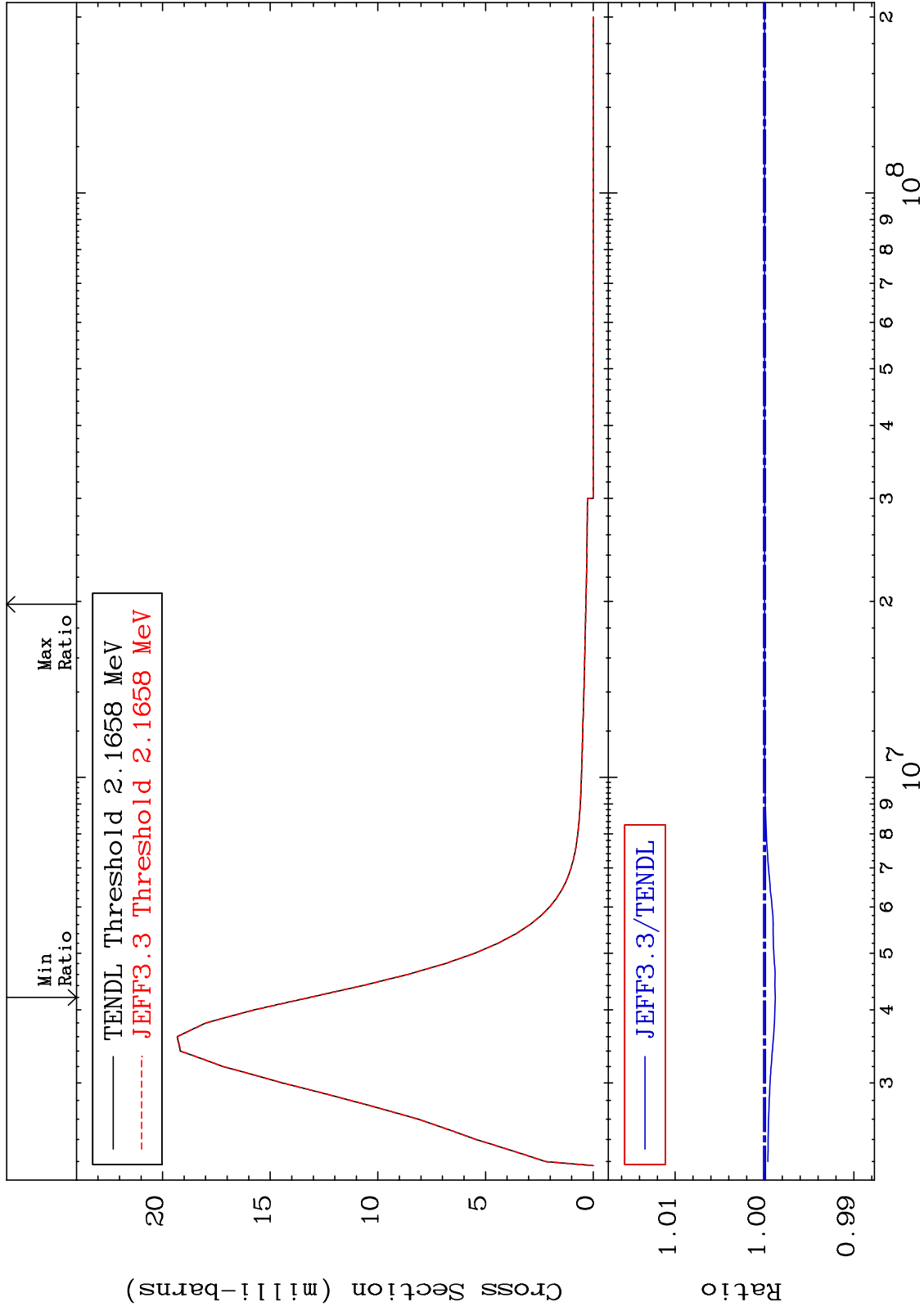
55-Cs-137
-0.158 To 0.000 %



MAT 5537

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

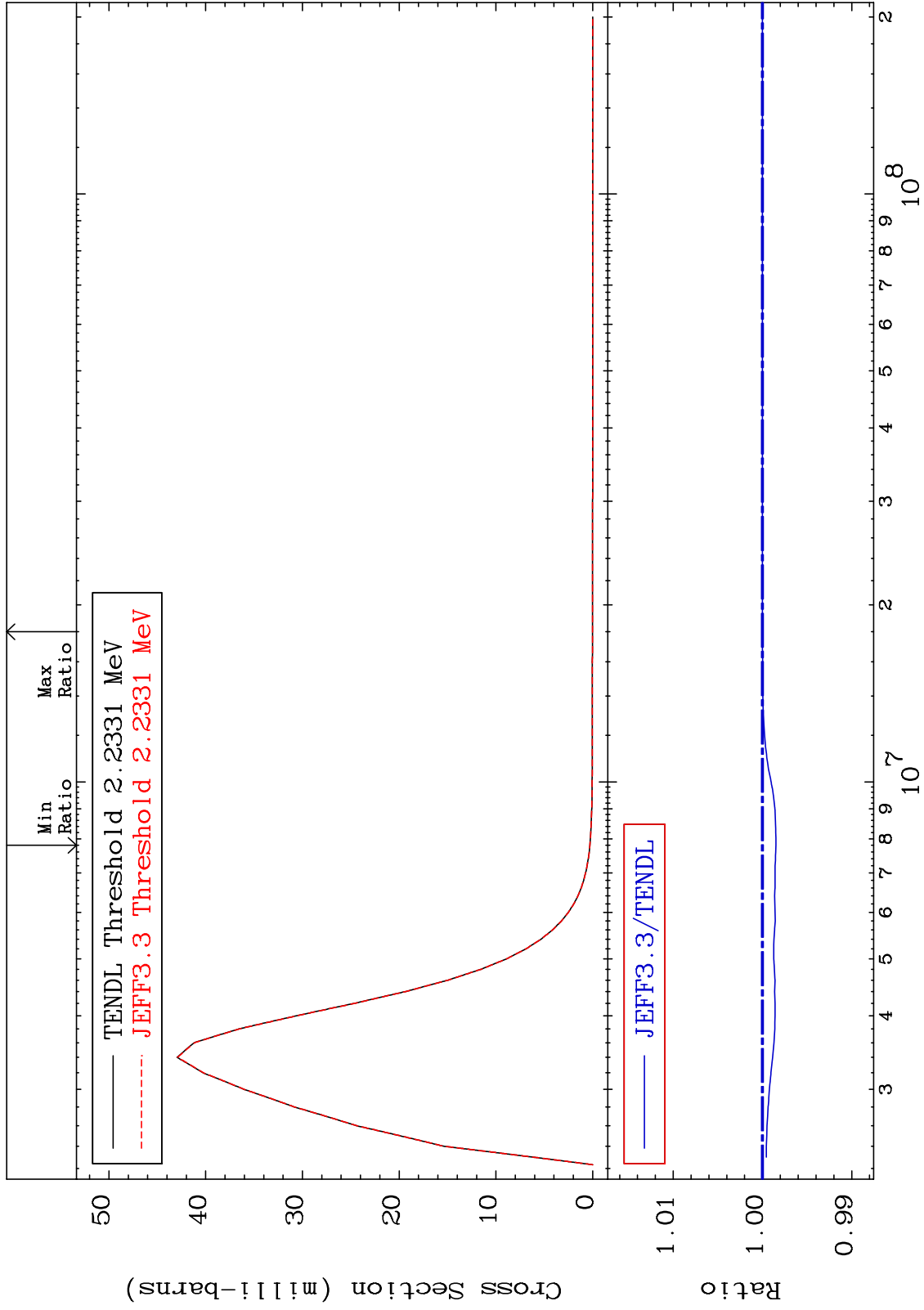
55-Cs-137
-0.121 To 0.000 %



MAT 5537

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

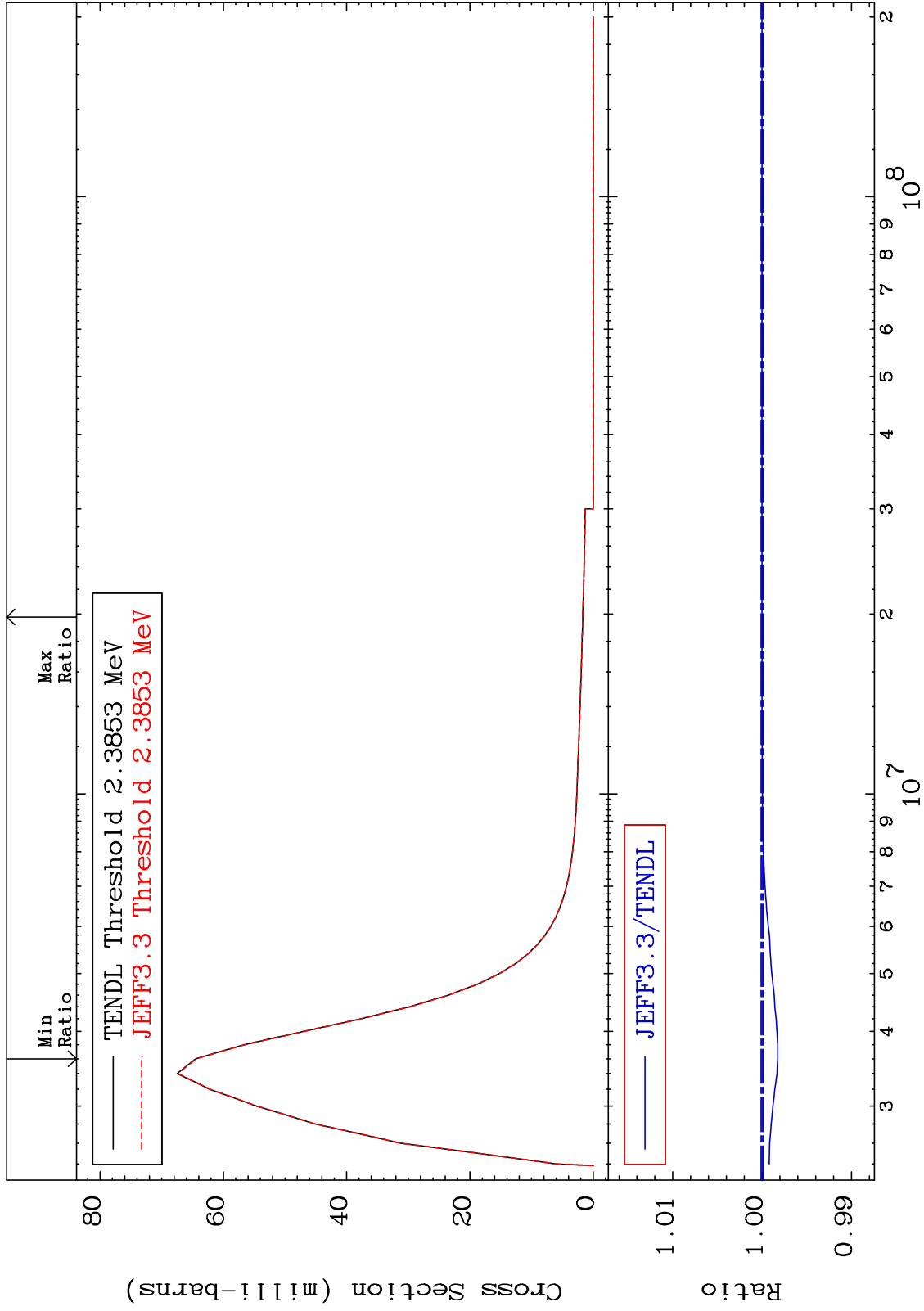
55-Cs-137
-0.151 To 0.000 %



MAT 5537

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

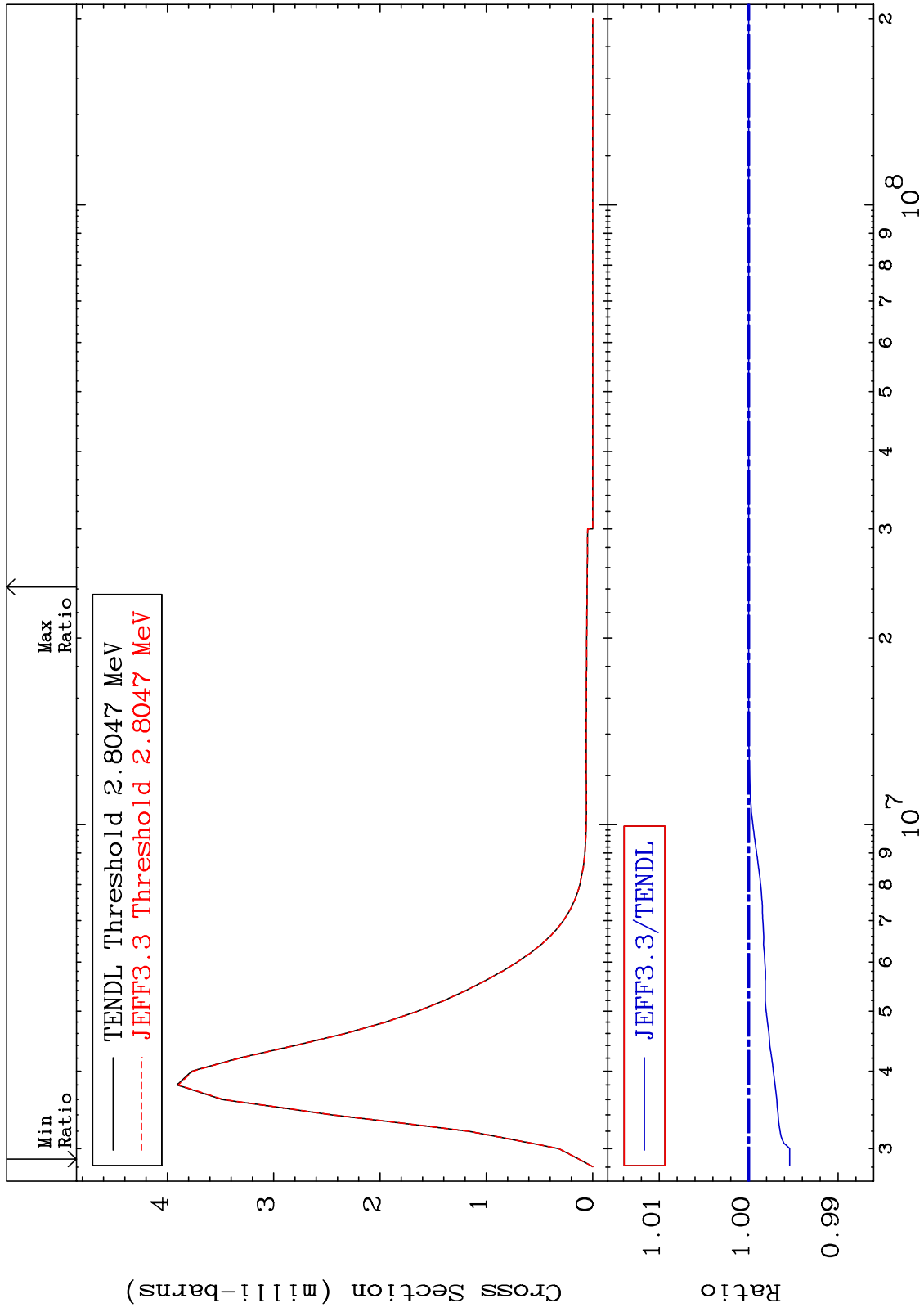
55-Cs-137
-0.175 To 0.000 %



MAT 5537

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

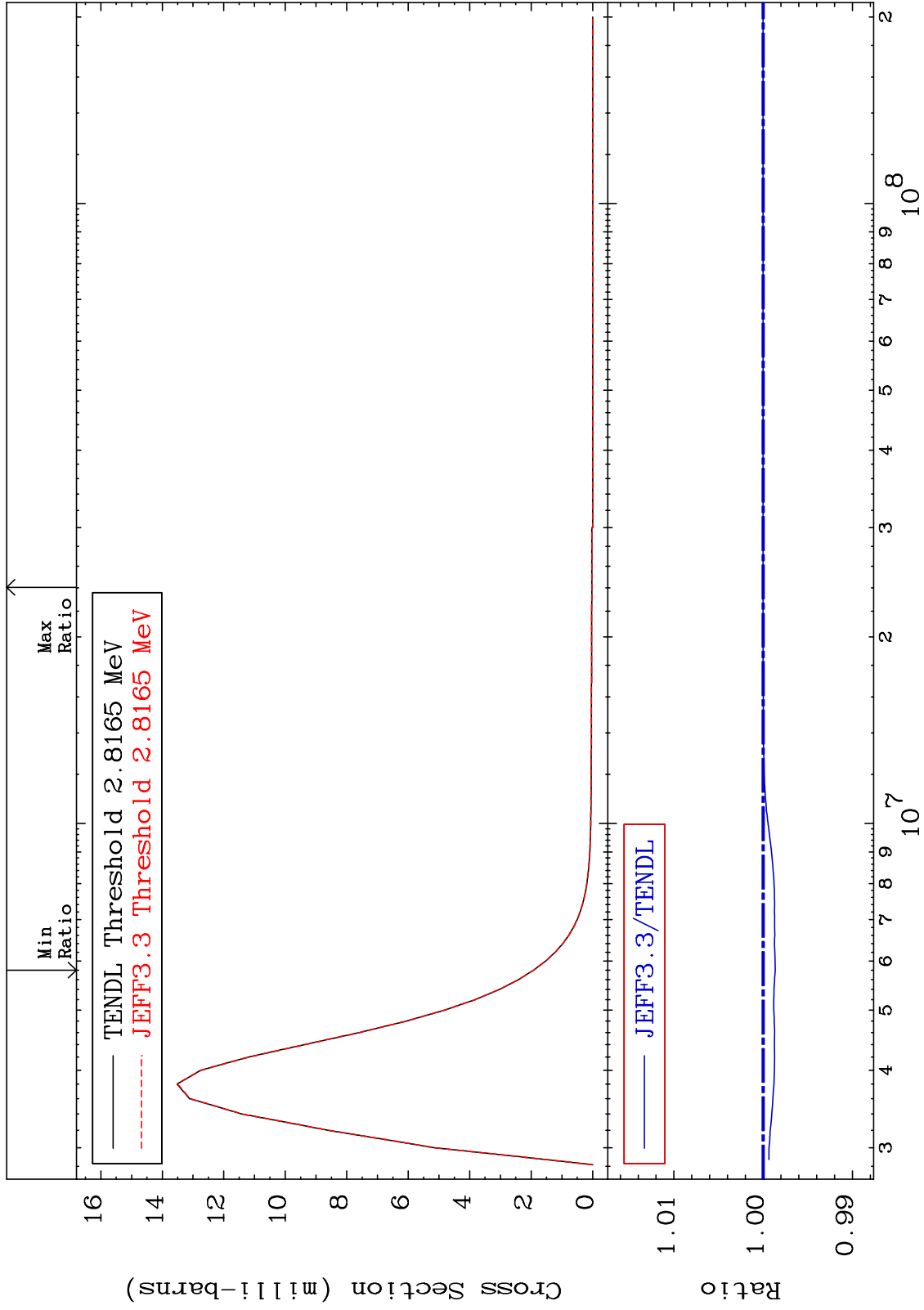
55-Cs-137
-0.460 To 0.000 %



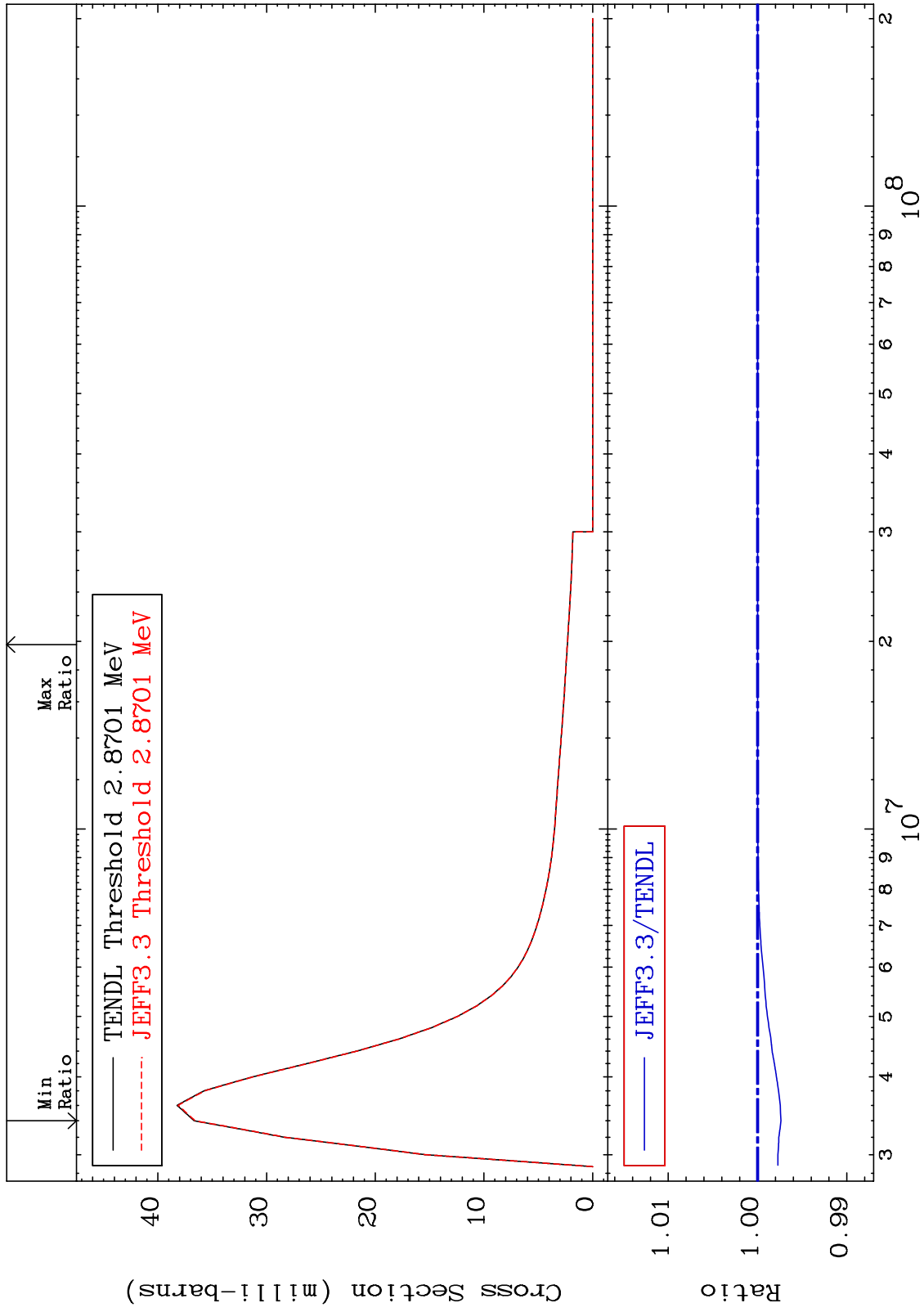
MAT 5537

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

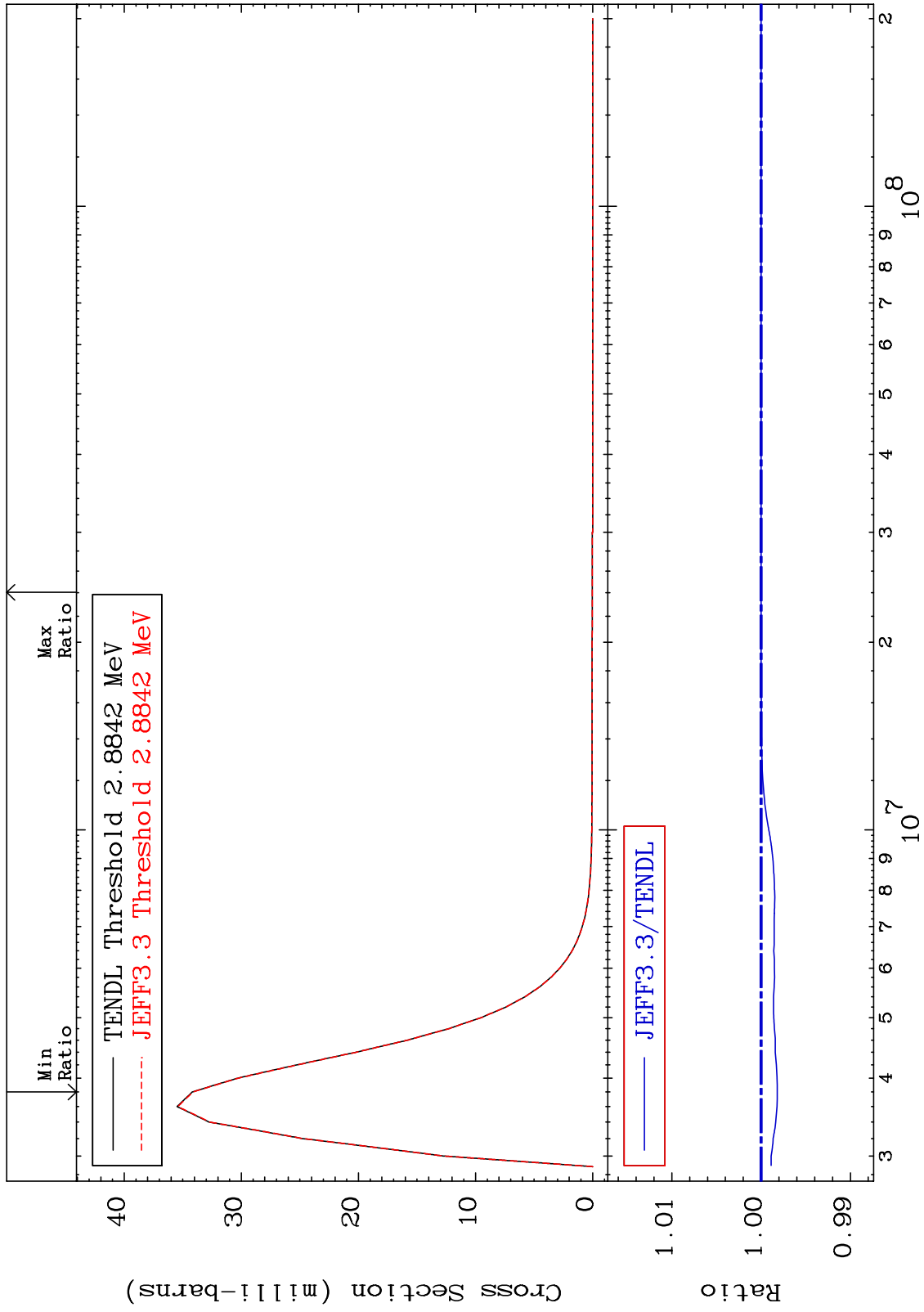
55-Cs-137
-0.136 To 0.000 %



MAT 5537 MT= 72 (n,n') Level
Cross Section 55-Cs-137
-0.261 To 0.000 %



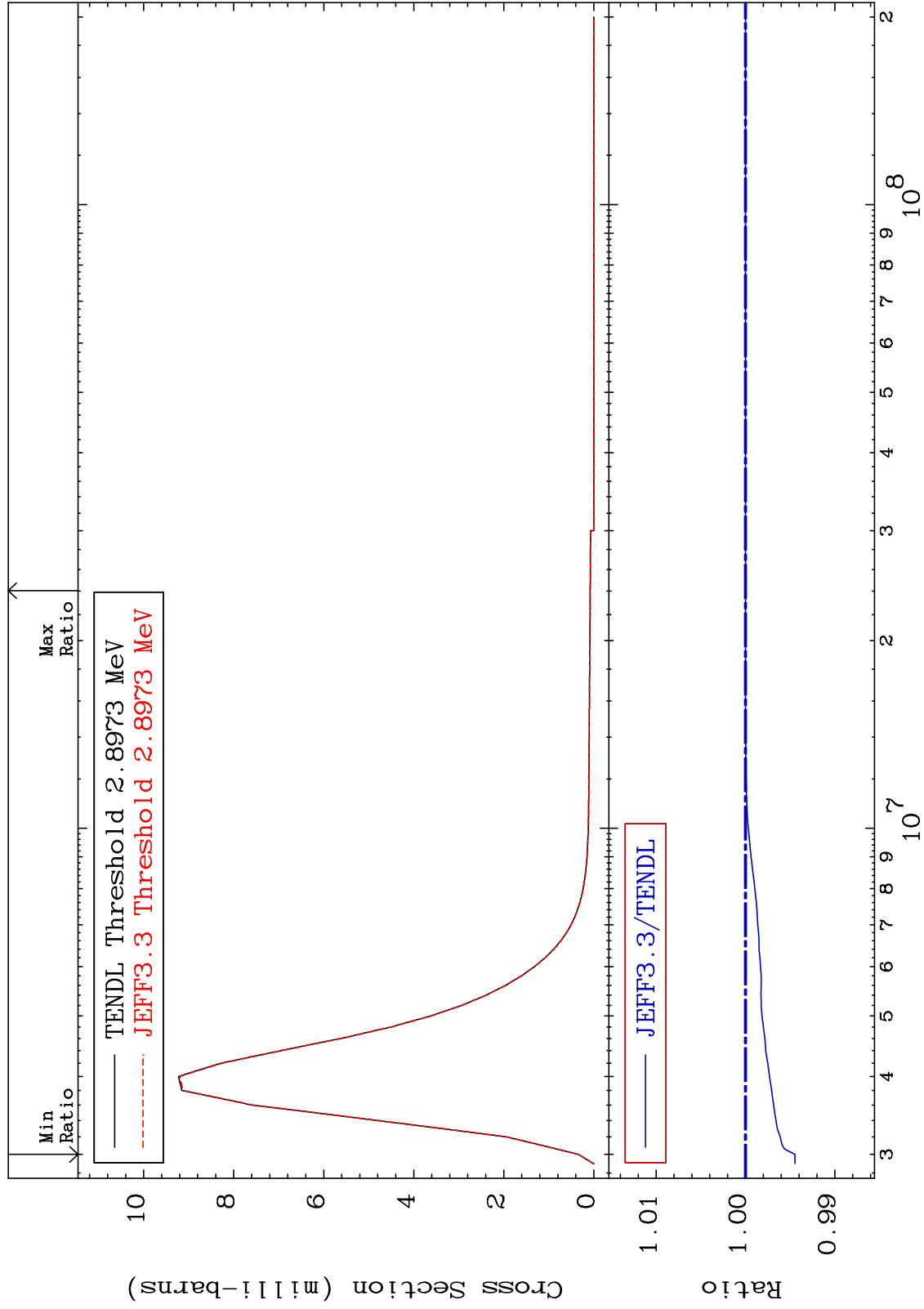
MAT 5537 MT= 73 (n, n') Level Cross Section 55-Cs-137
-0.181 To 0.000 %



MAT 5537

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

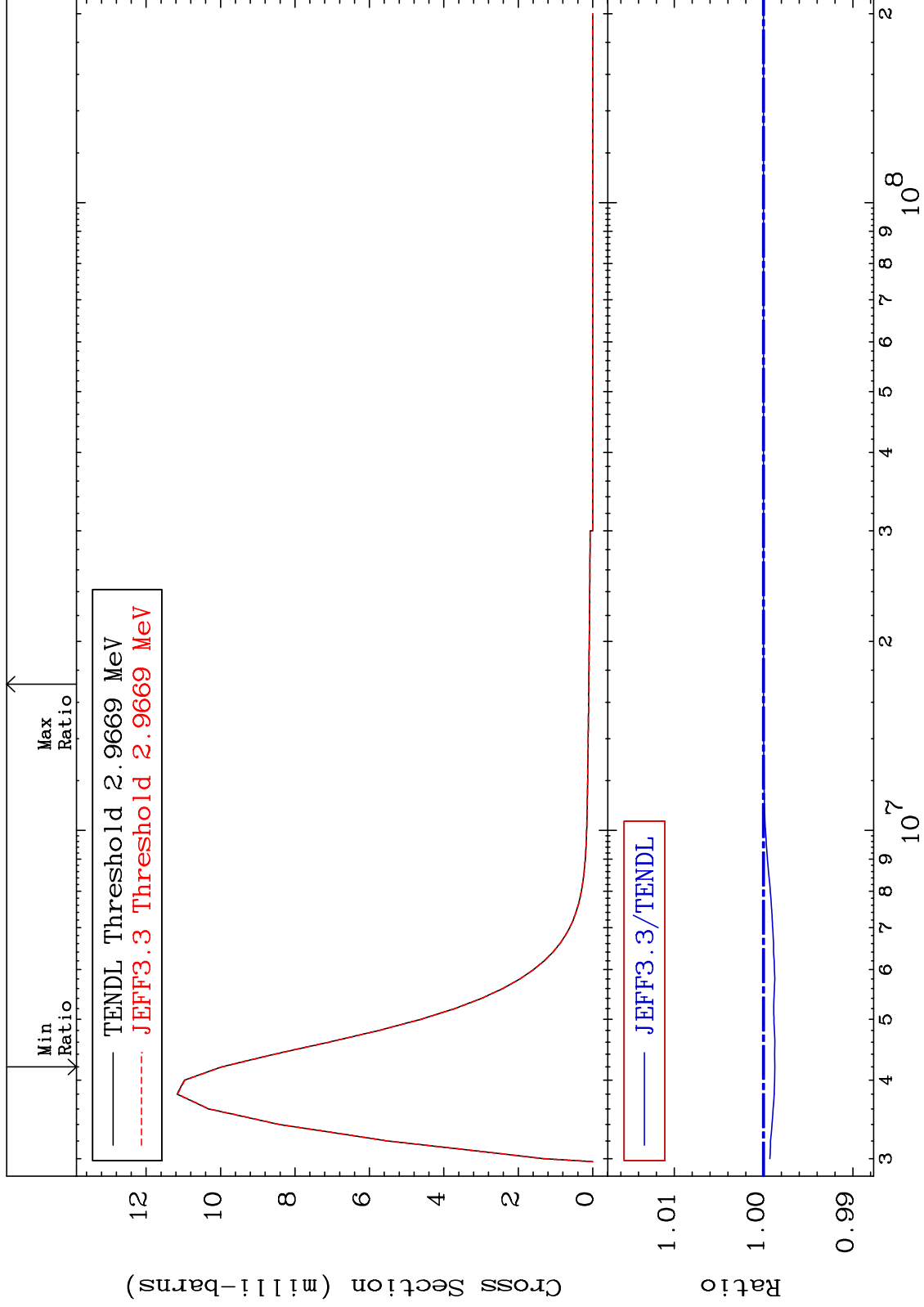
55-Cs-137
-0.552 To 0.000 %

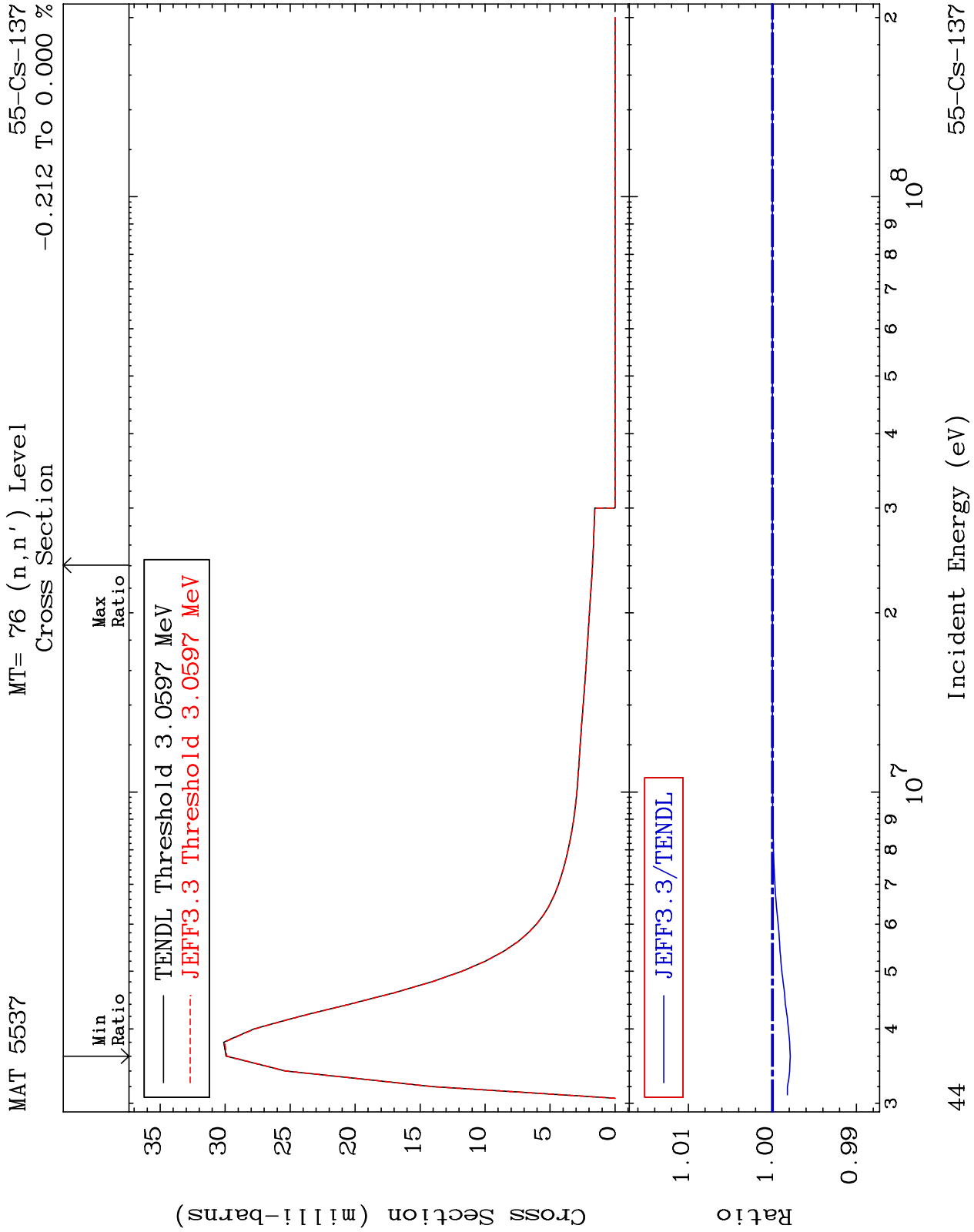


MAT 5537

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

55-Cs-137
-0.127 To 0.000 %

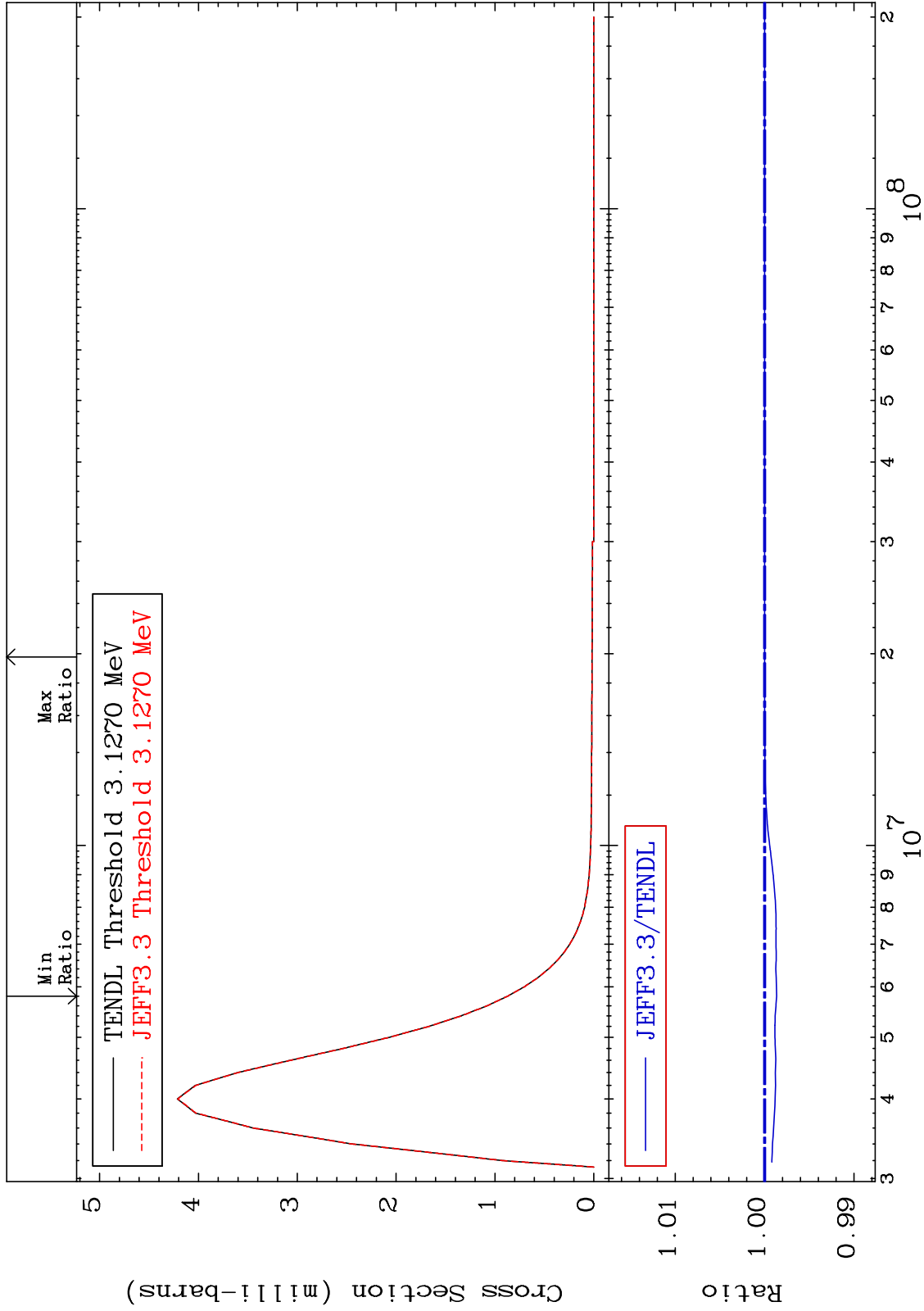




MAT 5537

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

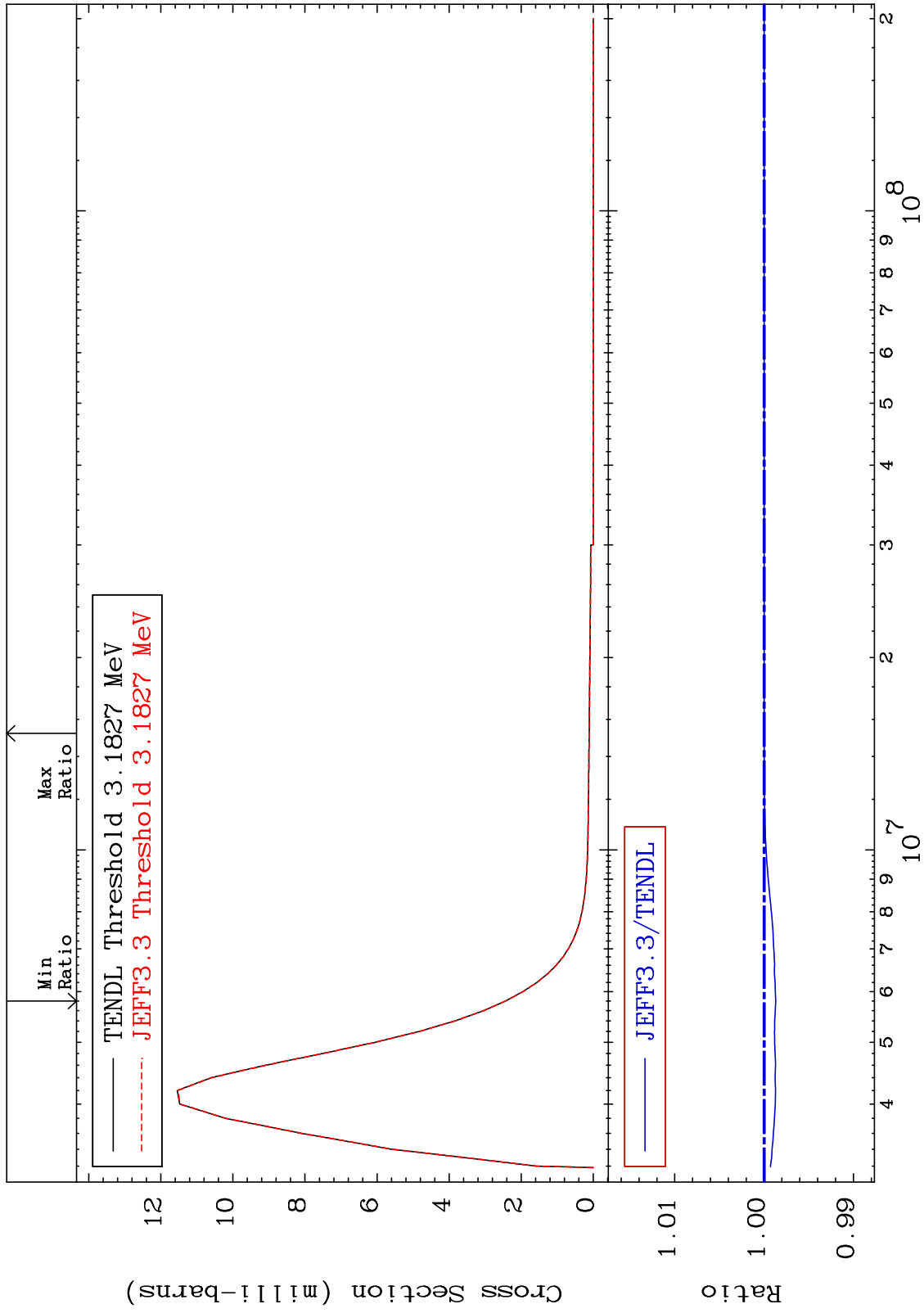
55-Cs-137
-0.133 To 0.000 %



MAT 5537

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

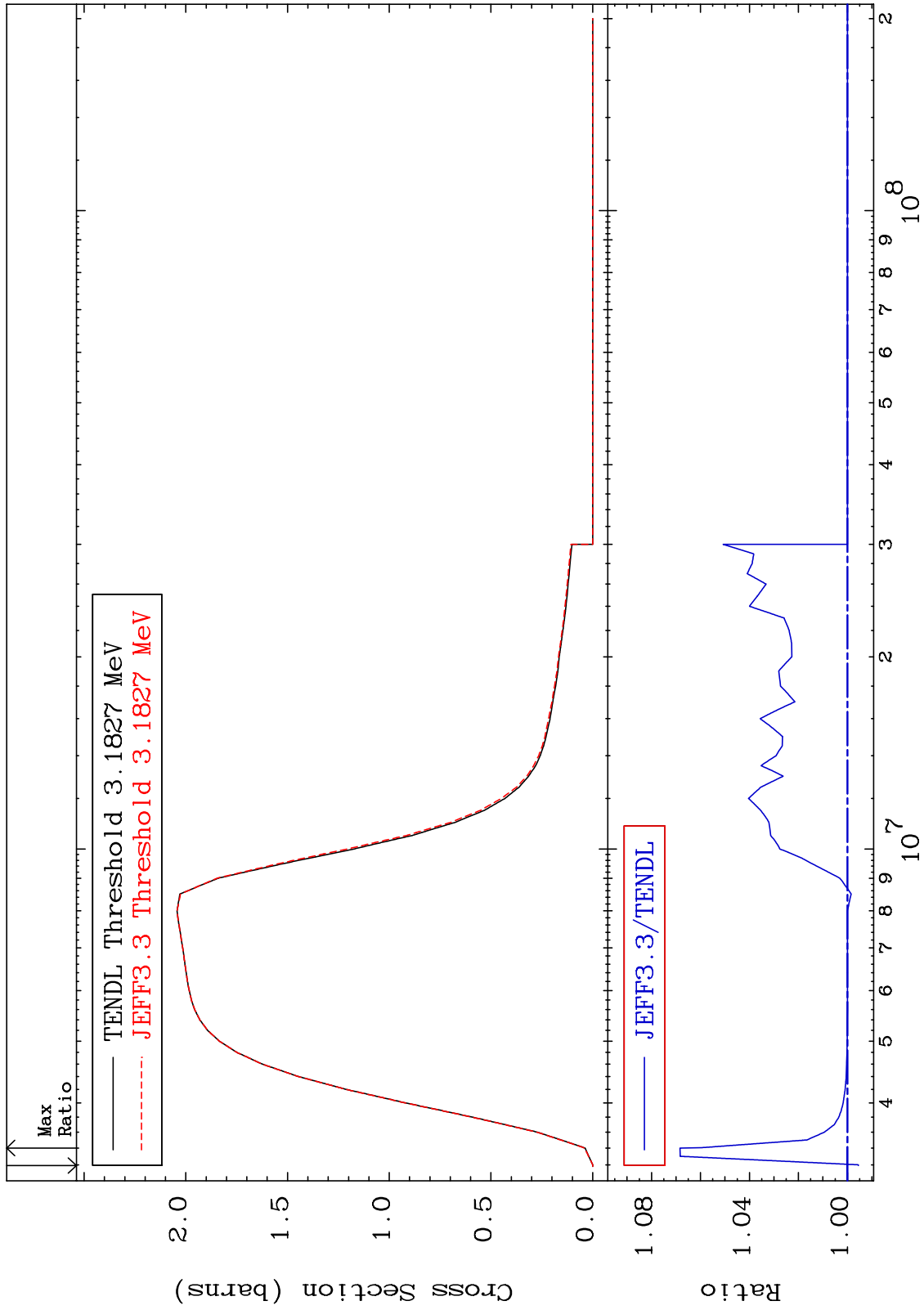
55-Cs-137
-0.130 To 0.000 %



MAT 5537

(n,n') Continuum
Cross Section

55-Cs-137
-0.451 To 6.836 %



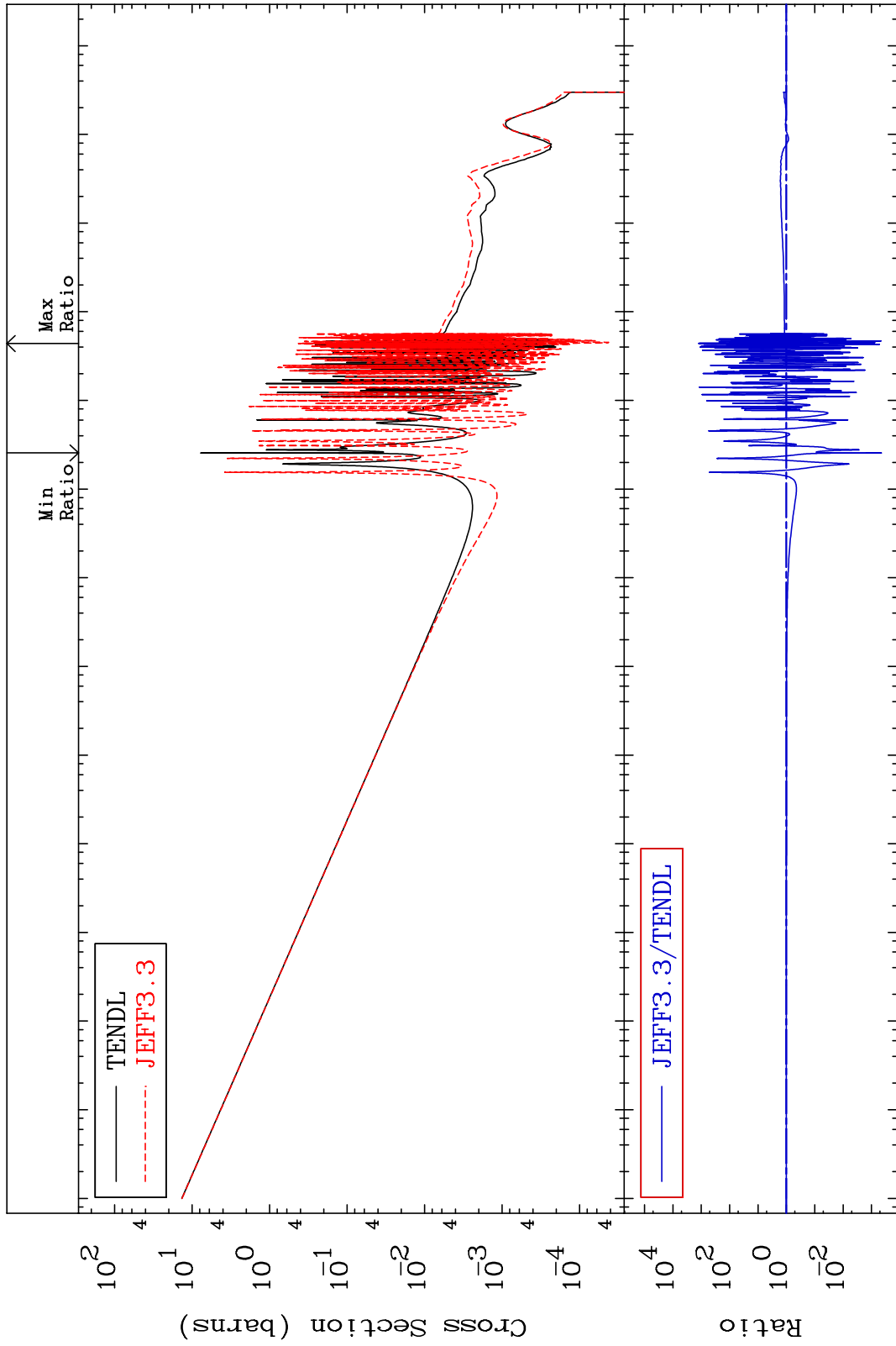
MAT 5537

(n, γ)

55-Cs-137

Cross Section

-99.96 To 9999. %



Incident Energy (eV)

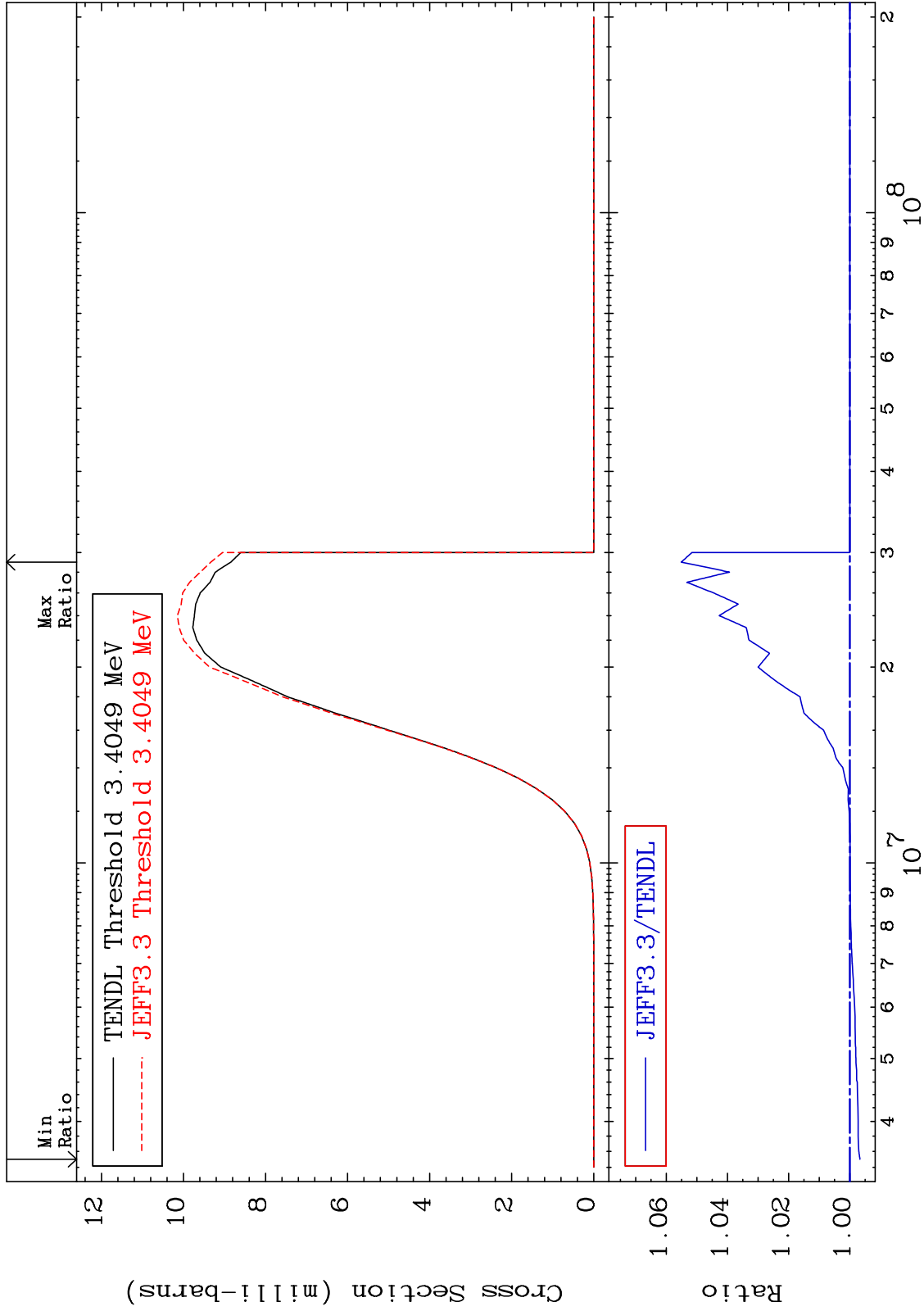
MAT 5537

(n, p)

55-Cs-137

Cross Section

-0.330 To 5.513 %



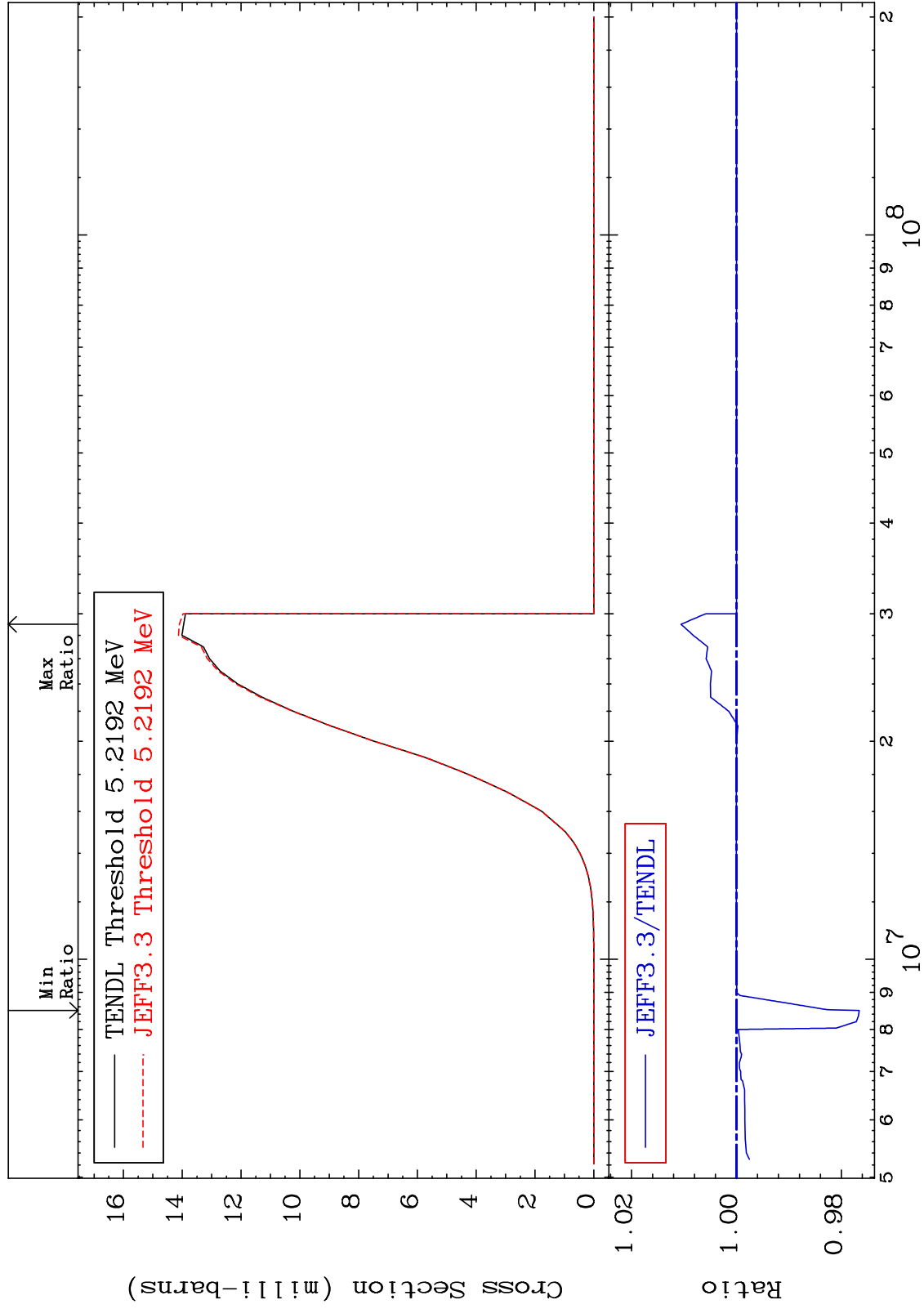
MAT 5537

(n, d)

55-Cs-137

Cross Section

-2.341 To 1.057 %



50

Incident Energy (eV)

55-Cs-137

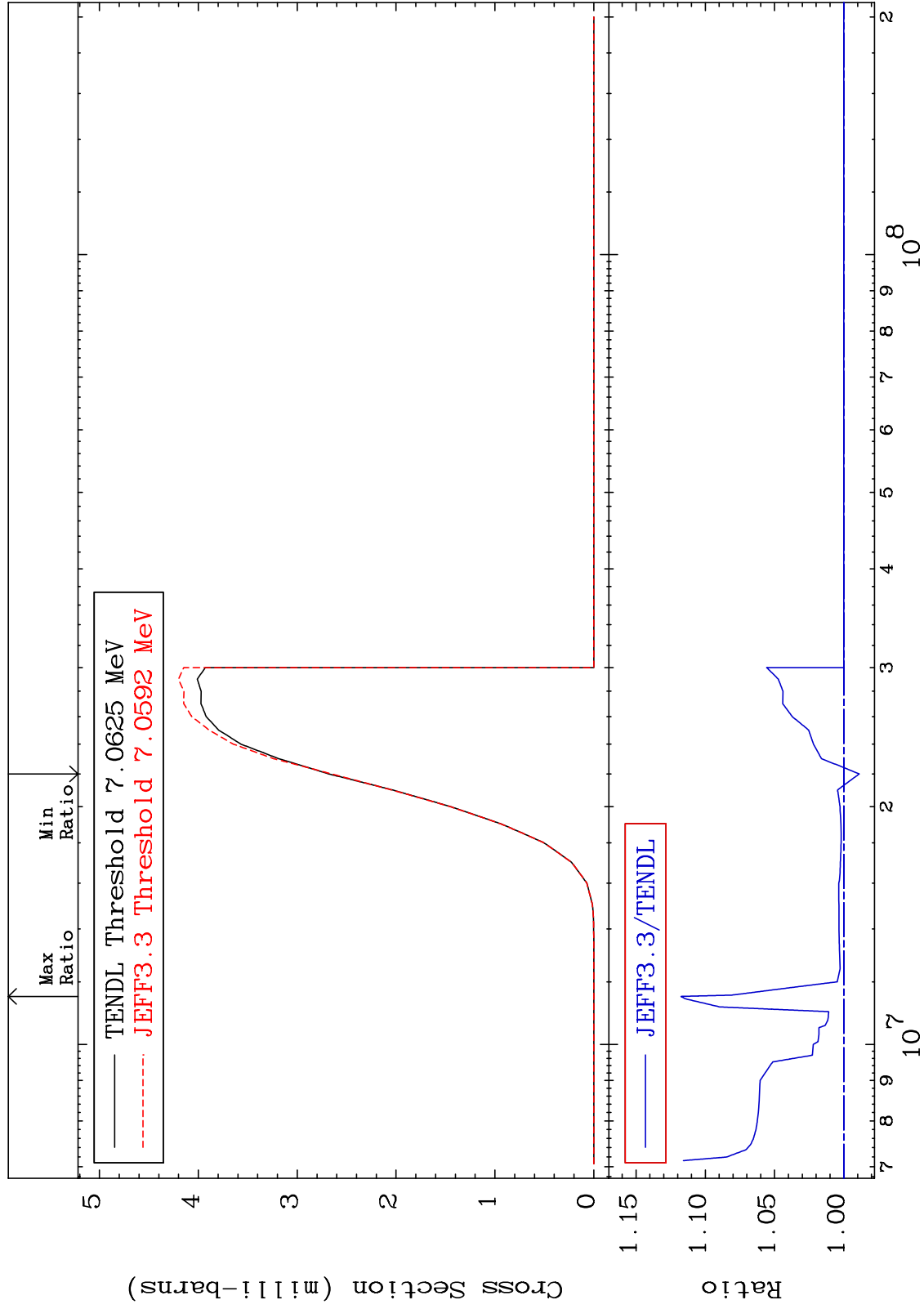
MAT 5537

(n, t)

55-Cs-137

Cross Section

-1.118 To 11.75 %



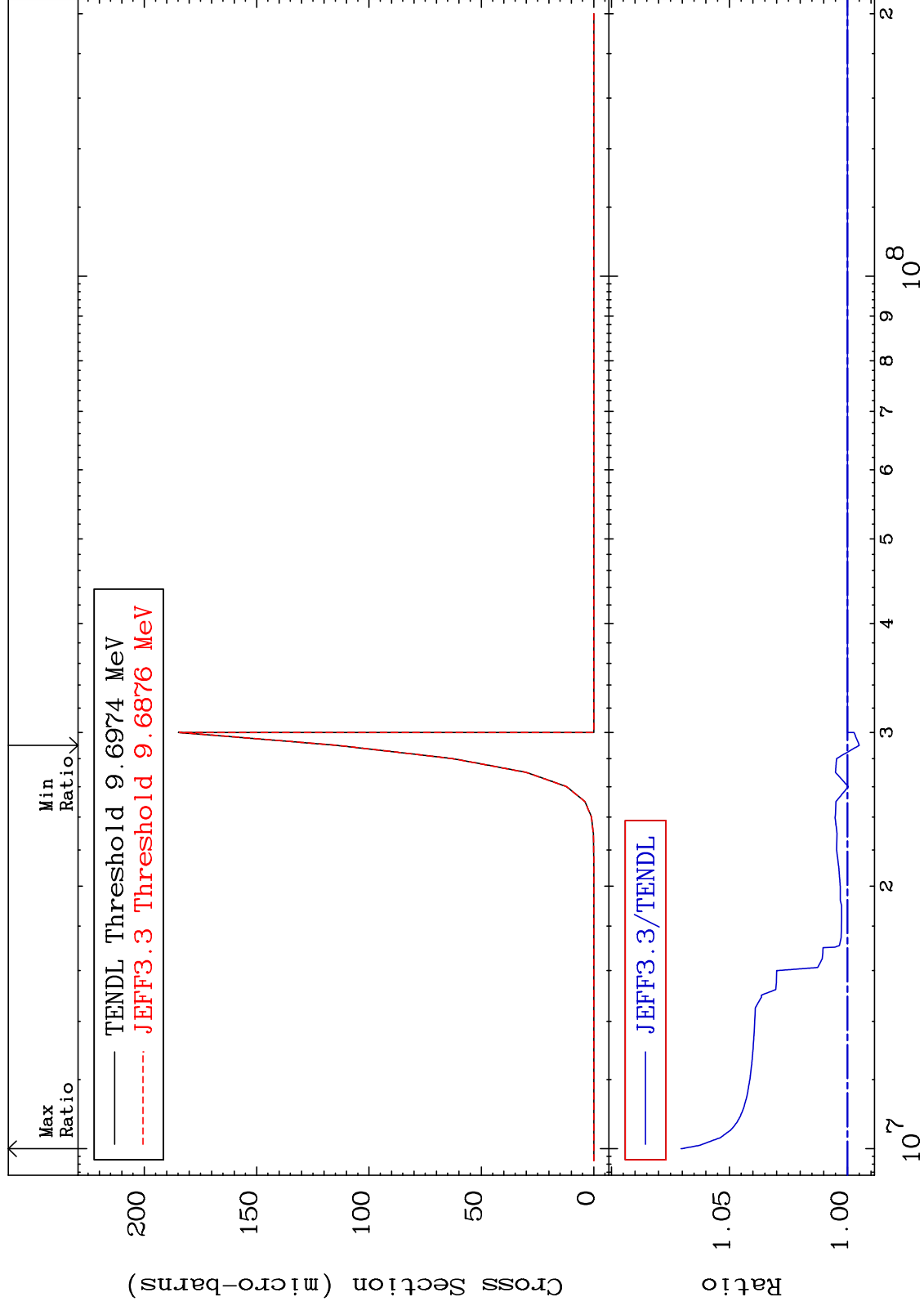
MAT 5537

(n, He-3)

55-Cs-137

Cross Section

-0.504 To 7.049 %



Incident Energy (eV)

55-Cs-137

52

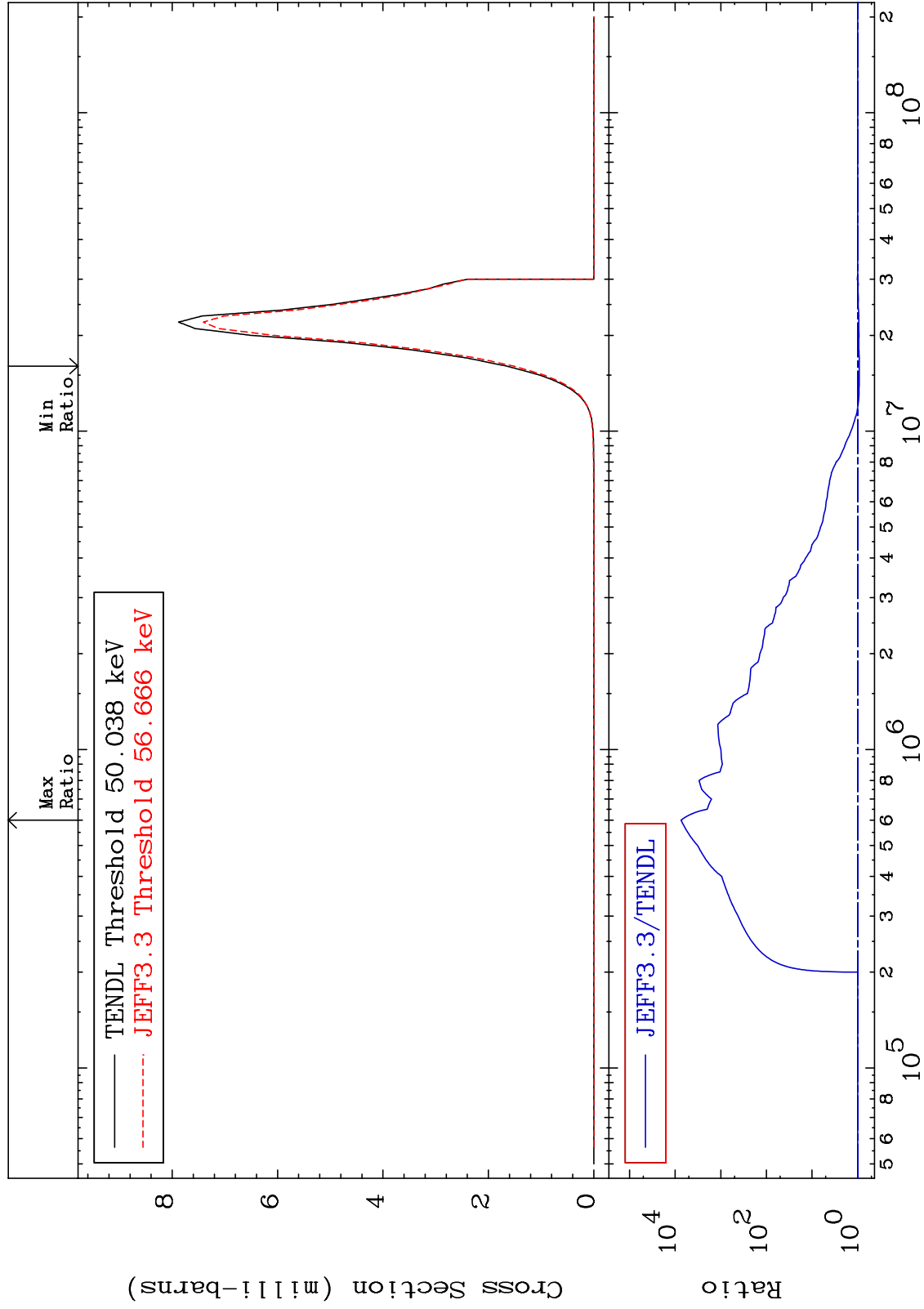
MAT 5537

(n, α)

55-Cs-137

Cross Section

-8.044 To 9999. %



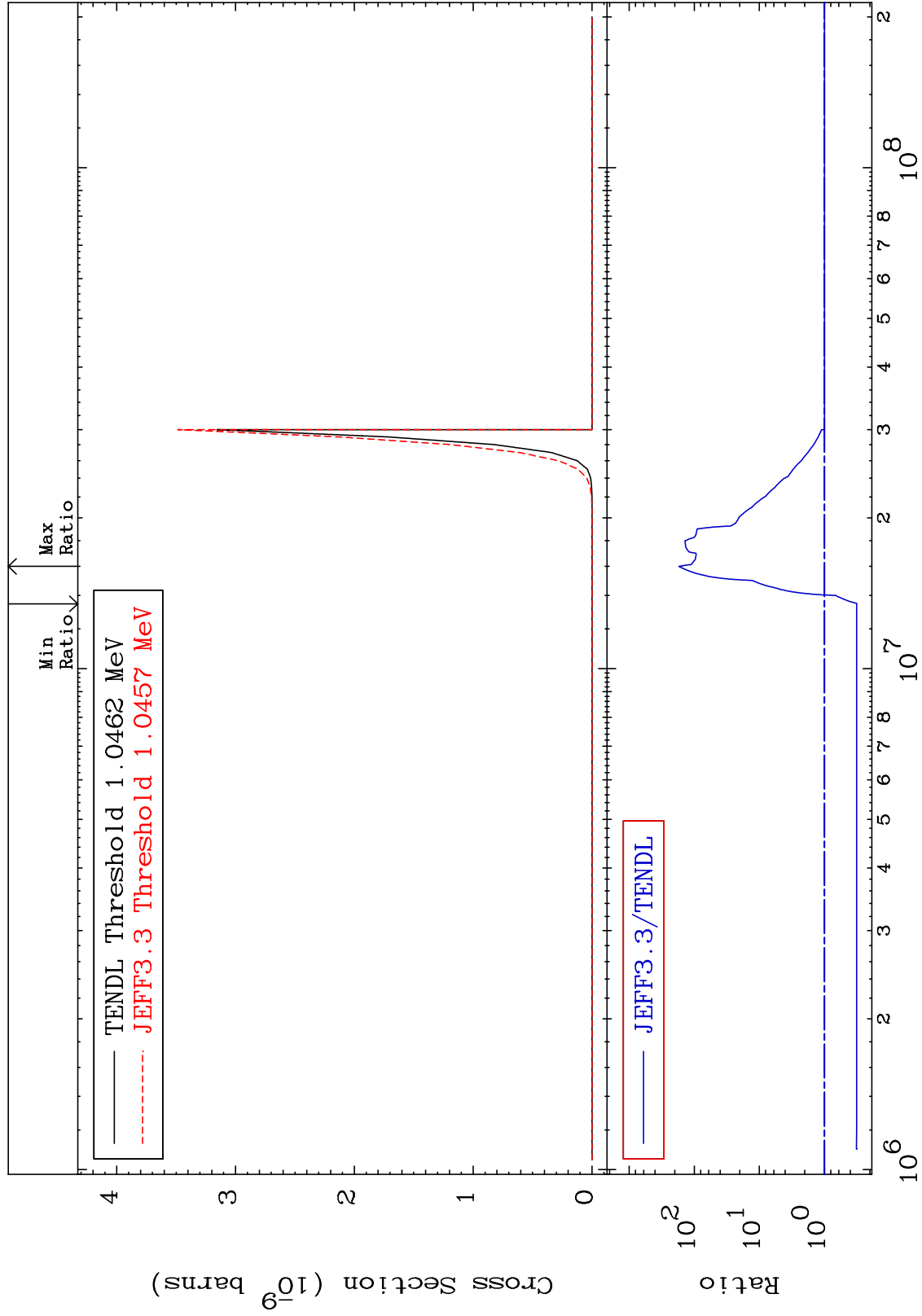
MAT 5537

(n, 2α)

55-Cs-137

Cross Section

-68.09 To 9999. %



54

Incident Energy (eV)

55-Cs-137

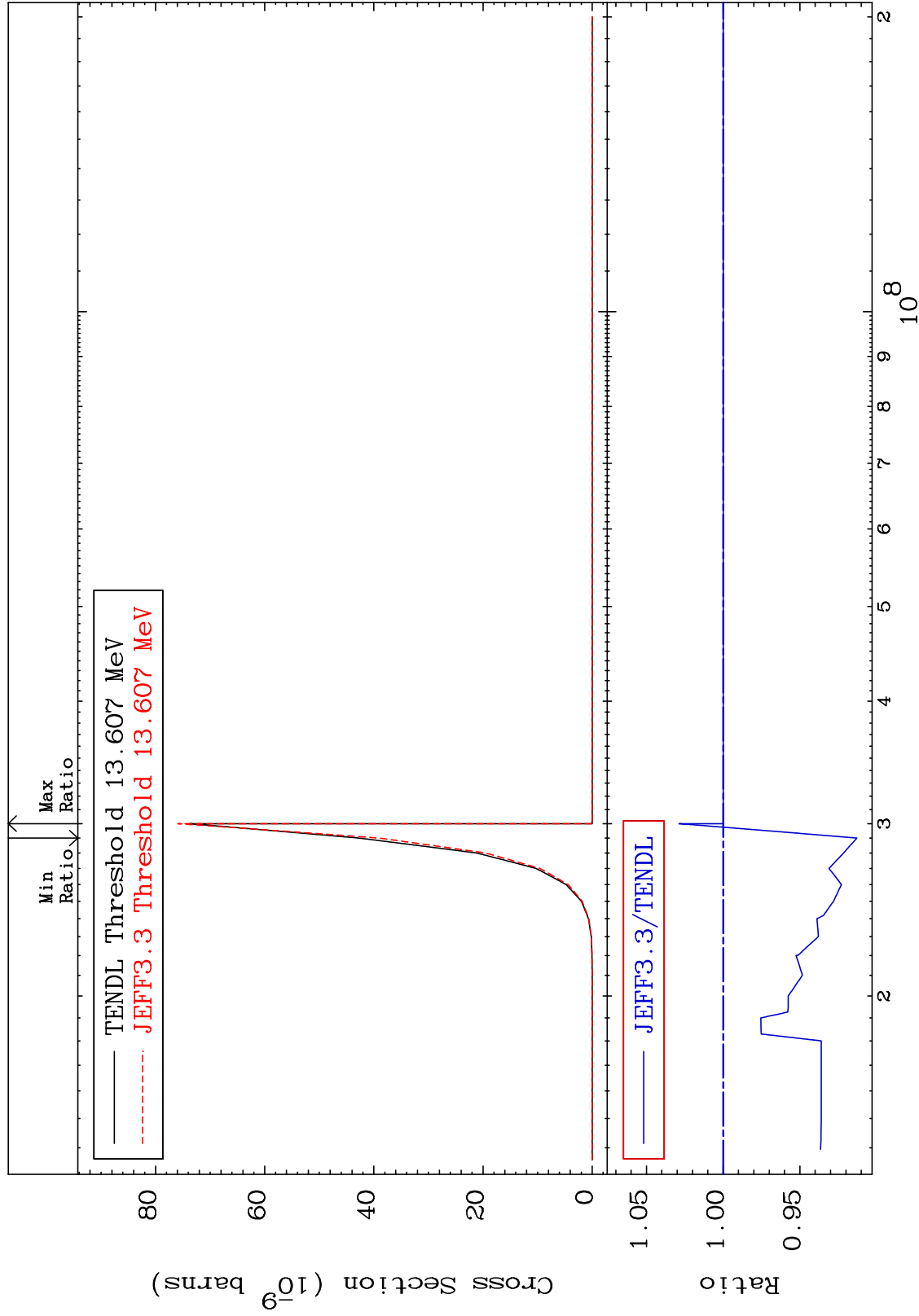
MAT 5537

(n,2p)

55-Cs-137

Cross Section

-8.716 To 2.868 %



55

Incident Energy (eV)

55-Cs-137

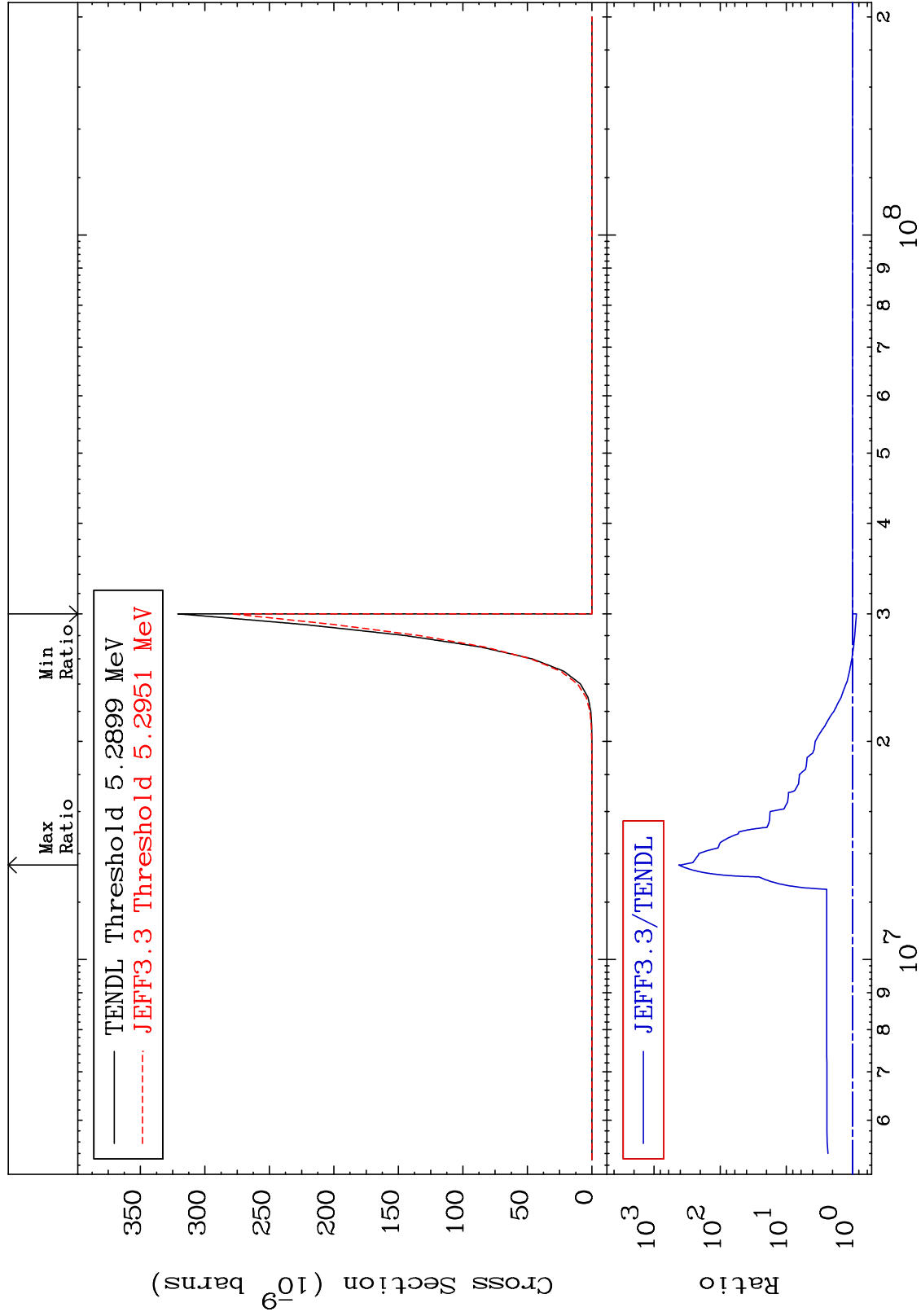
MAT 5537

(n,p) α

55-Cs-137

Cross Section

-12.89 To 9999. %



56

Incident Energy (eV)

55-Cs-137

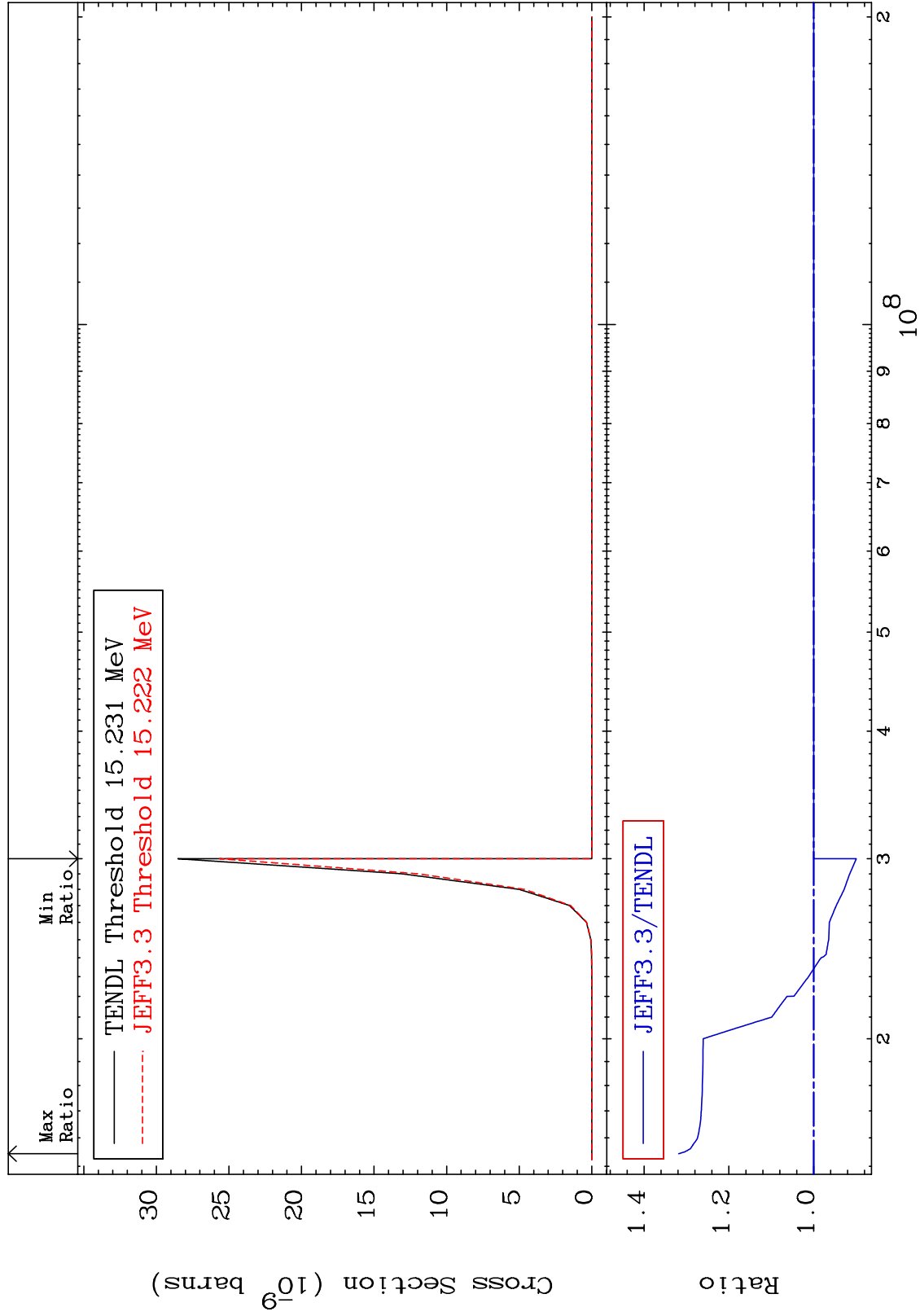
MAT 5537

(n,p) d

55-Cs-137

Cross Section

-10.07 To 31.85 %



57

Incident Energy (eV)

55-Cs-137

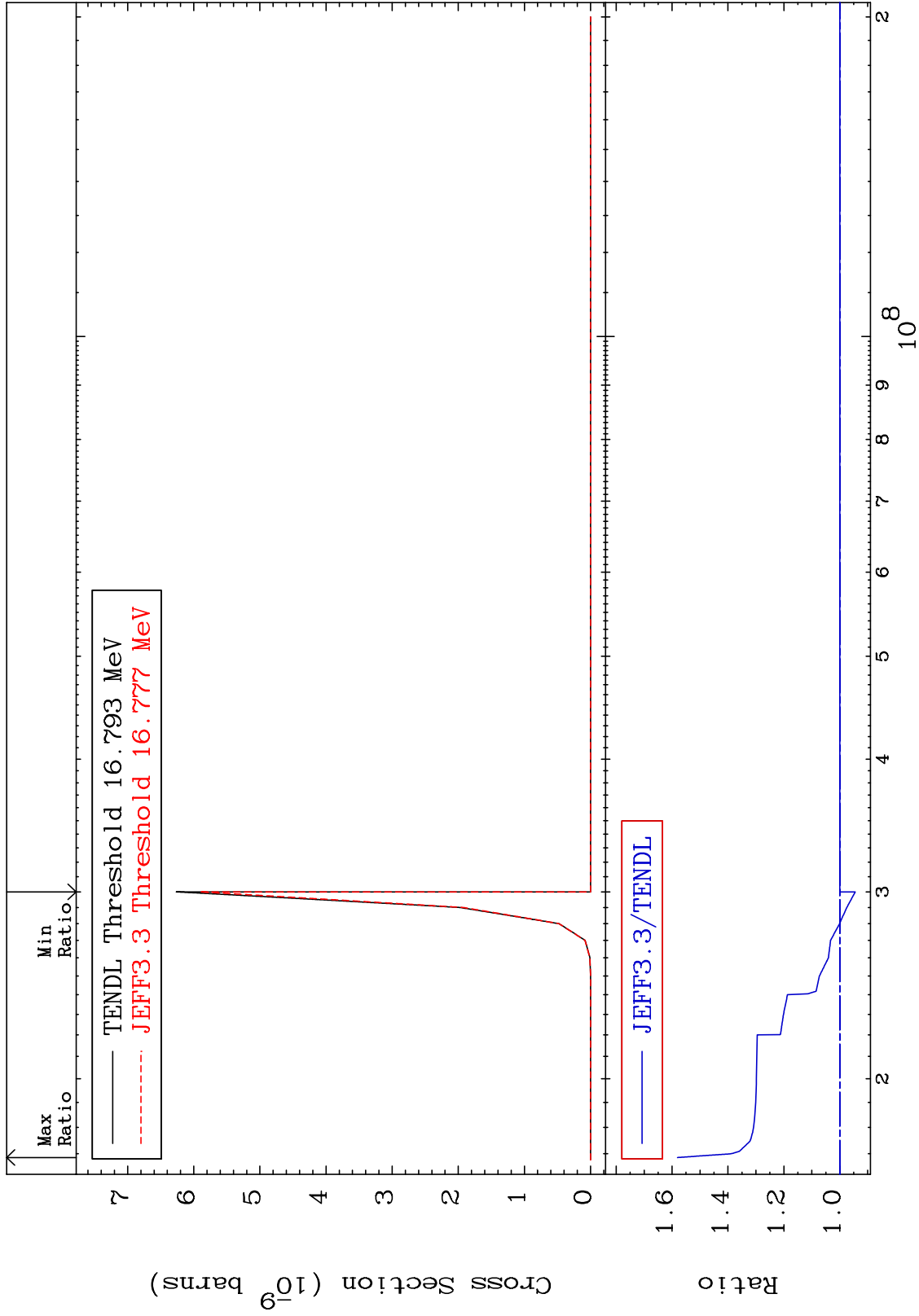
MAT 5537

(n,p) t

55-Cs-137

Cross Section

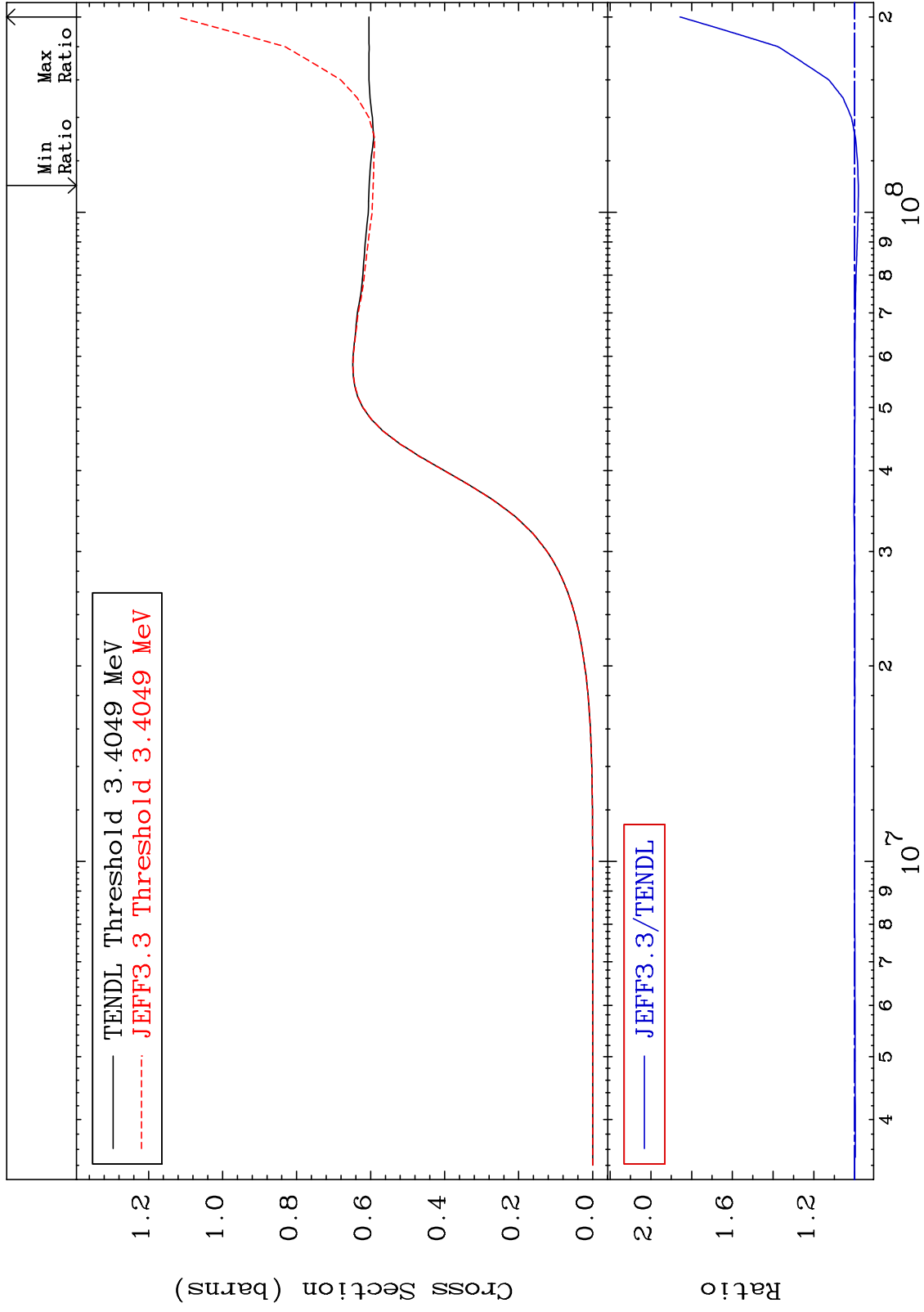
-5.547 To 58.04 %



MAT 5537

Hydrogen Production
Cross Section

55-Cs-137
-1.832 To 85.69 %



59

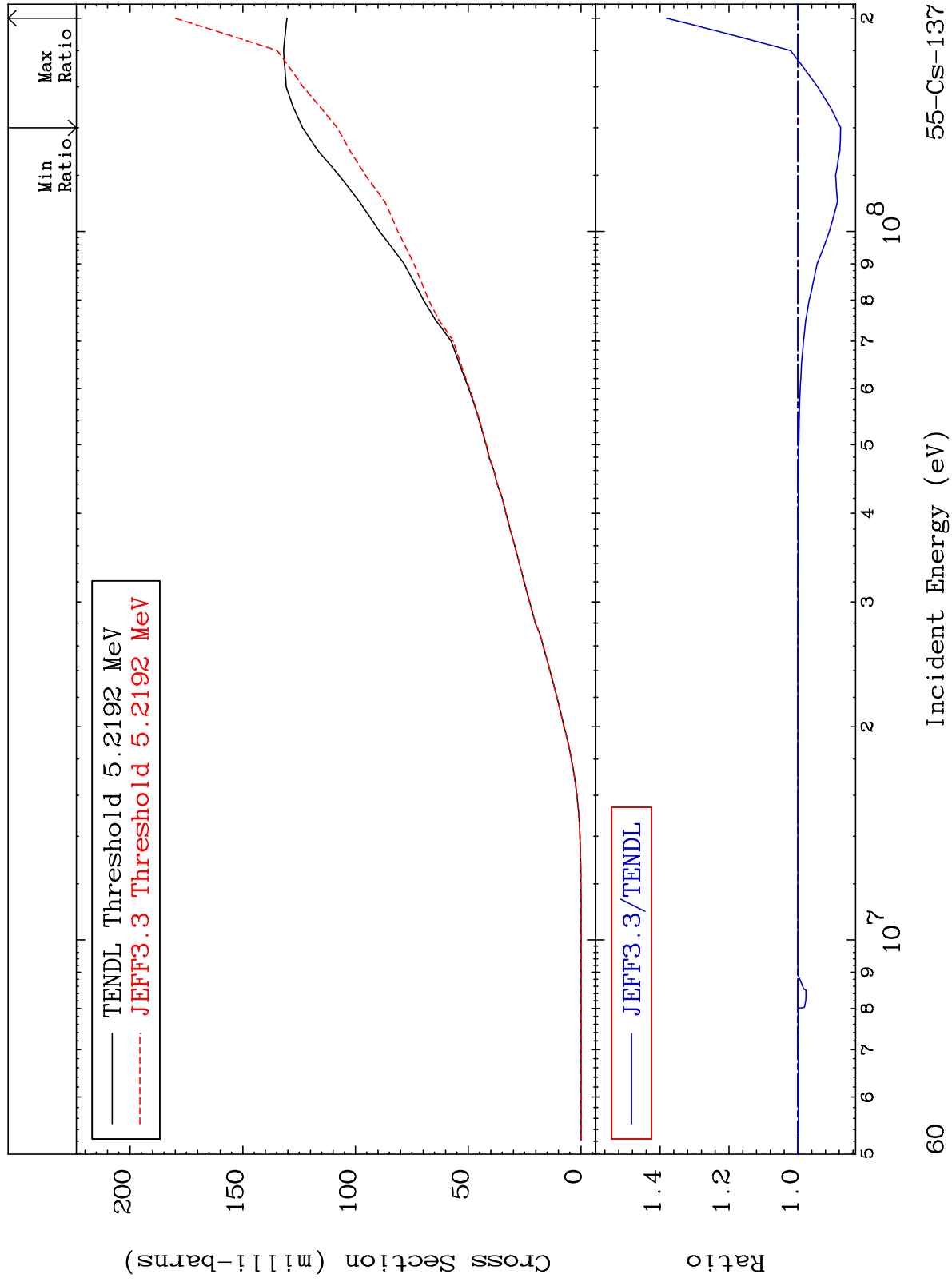
Incident Energy (eV)

55-Cs-137

MAT 5537

Deuterium Production
Cross Section

55-Cs-137
-12.43 To 38.17 %



60

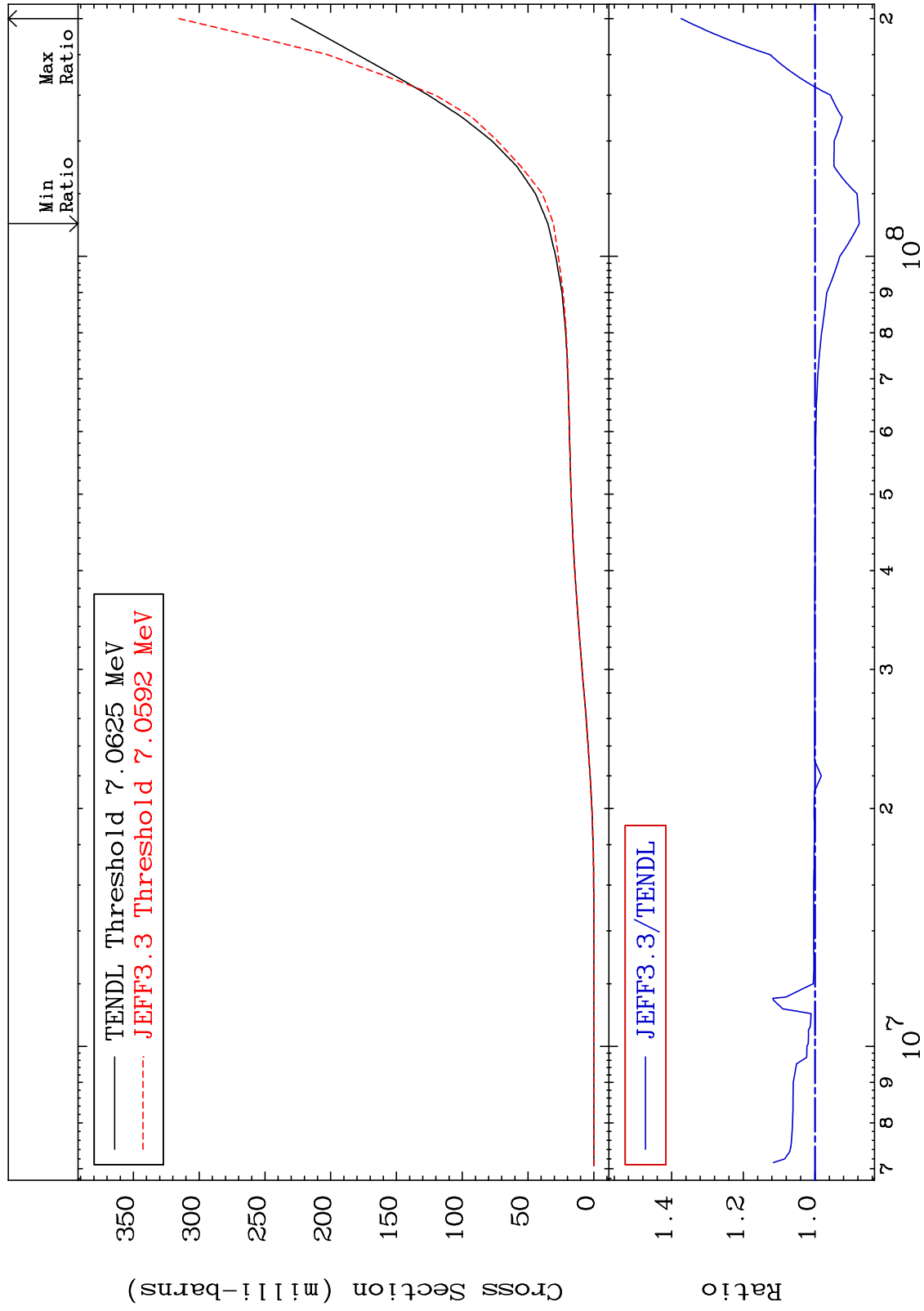
Incident Energy (eV)

55-Cs-137

MAT 5537

Tritium Production
Cross Section

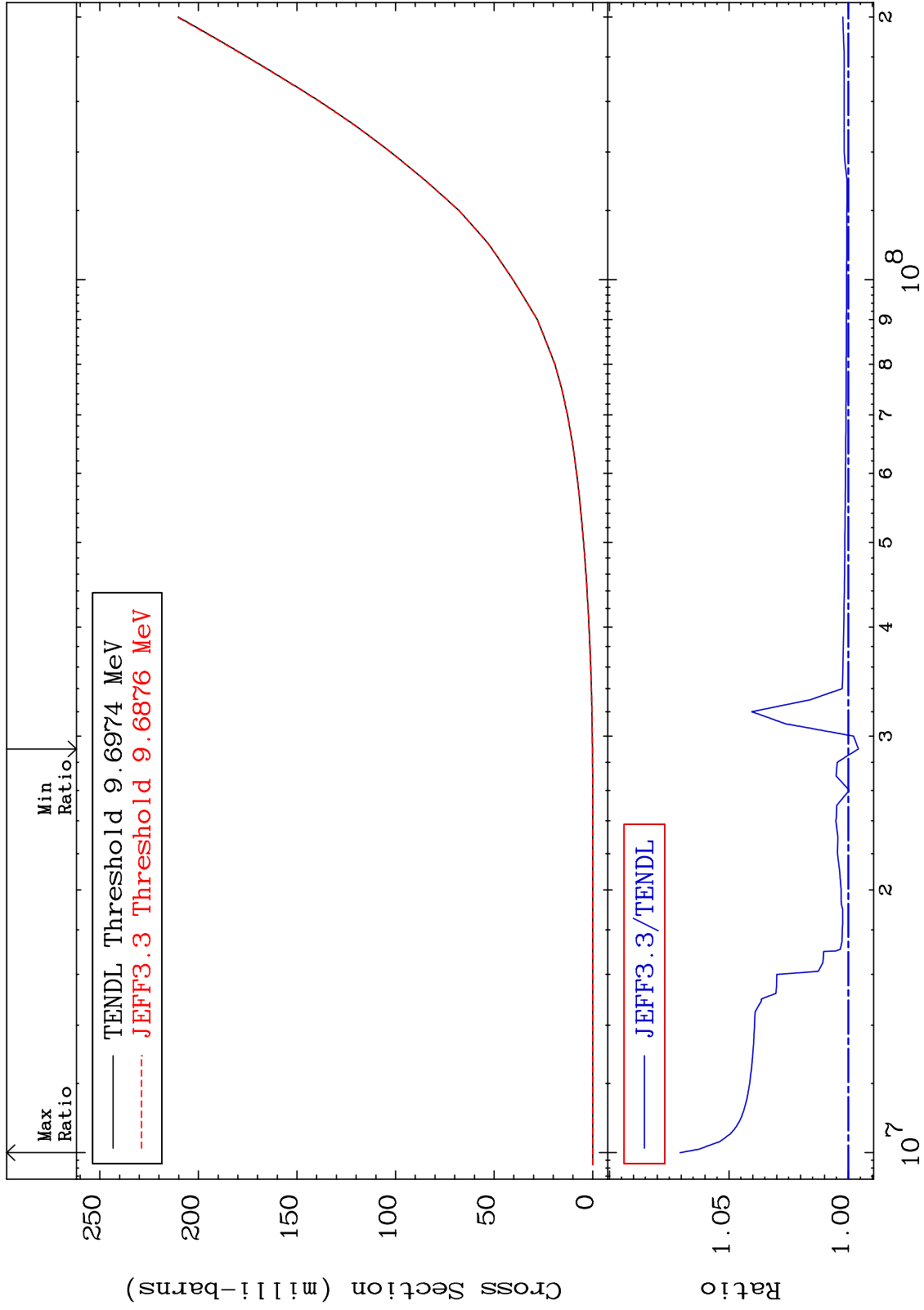
55-Cs-137
-12.37 To 37.36 %



MAT 5537

He-3 Production
Cross Section

55-Cs-137
-0.421 To 7.049 %



55-Cs-137

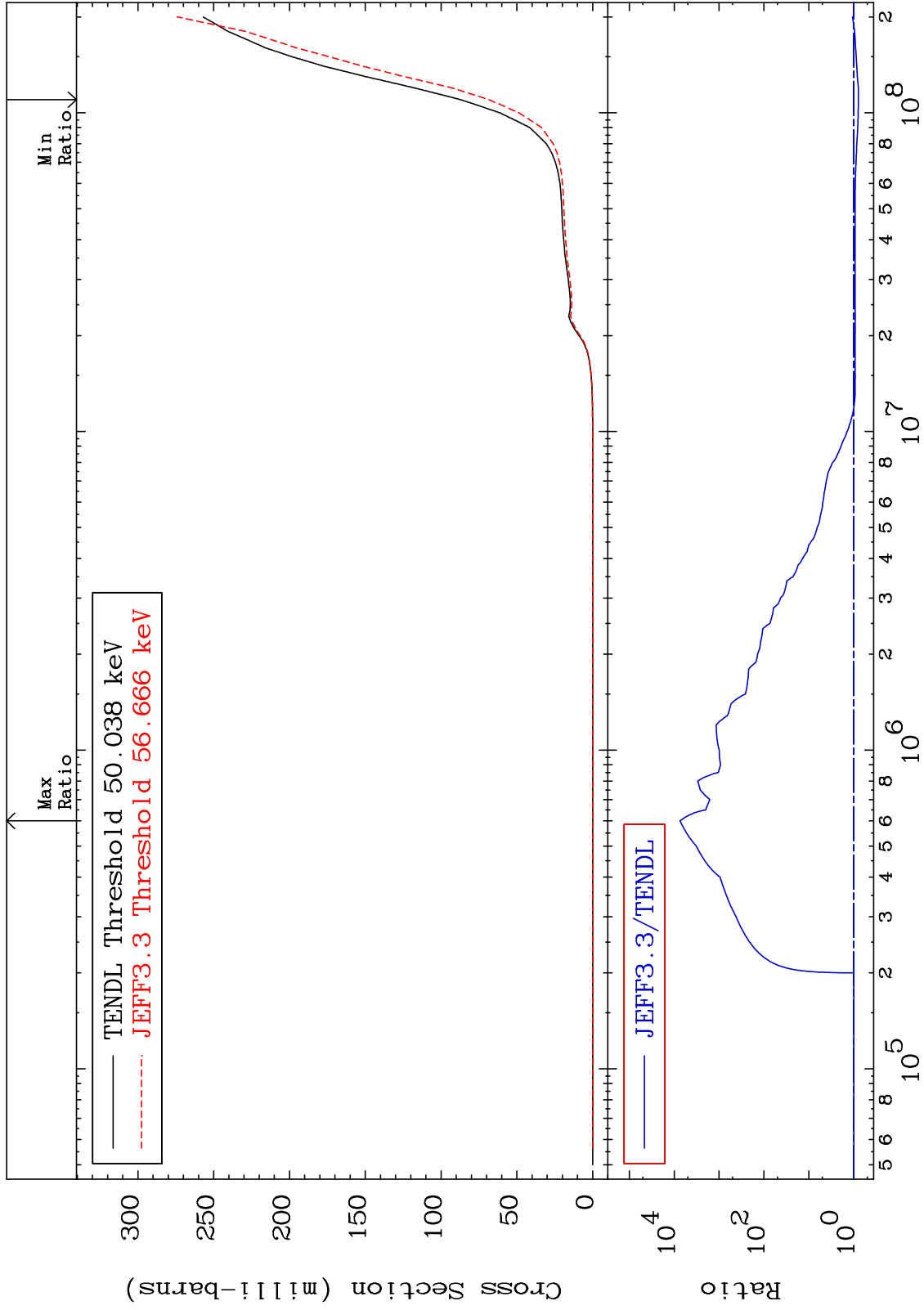
Incident Energy (eV)

62

MAT 5537

He-4 Production
Cross Section

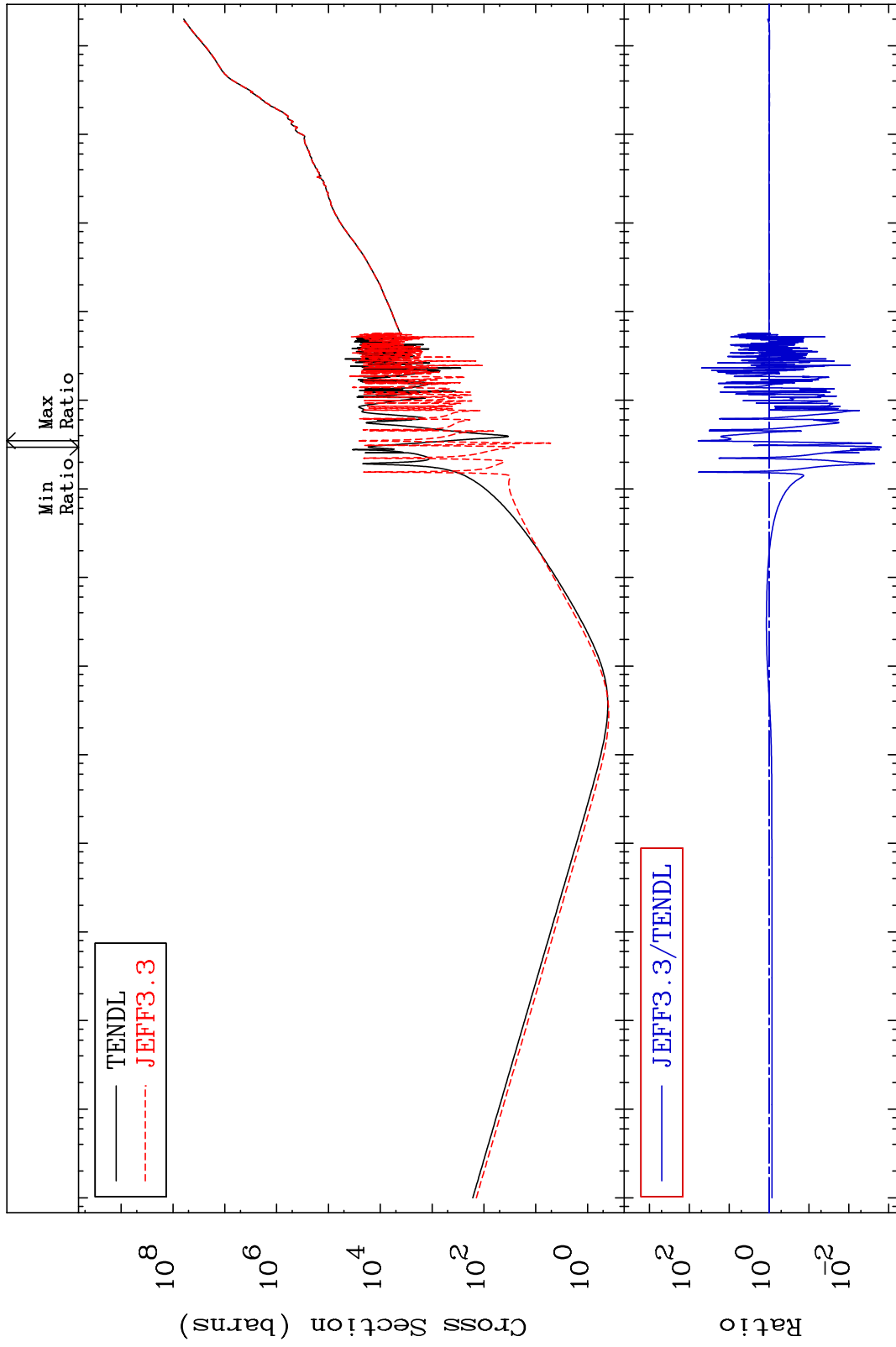
55-Cs-137
-21.45 To 9999. %



MAT 5537

Kerma total (eV-barns)
Cross Section

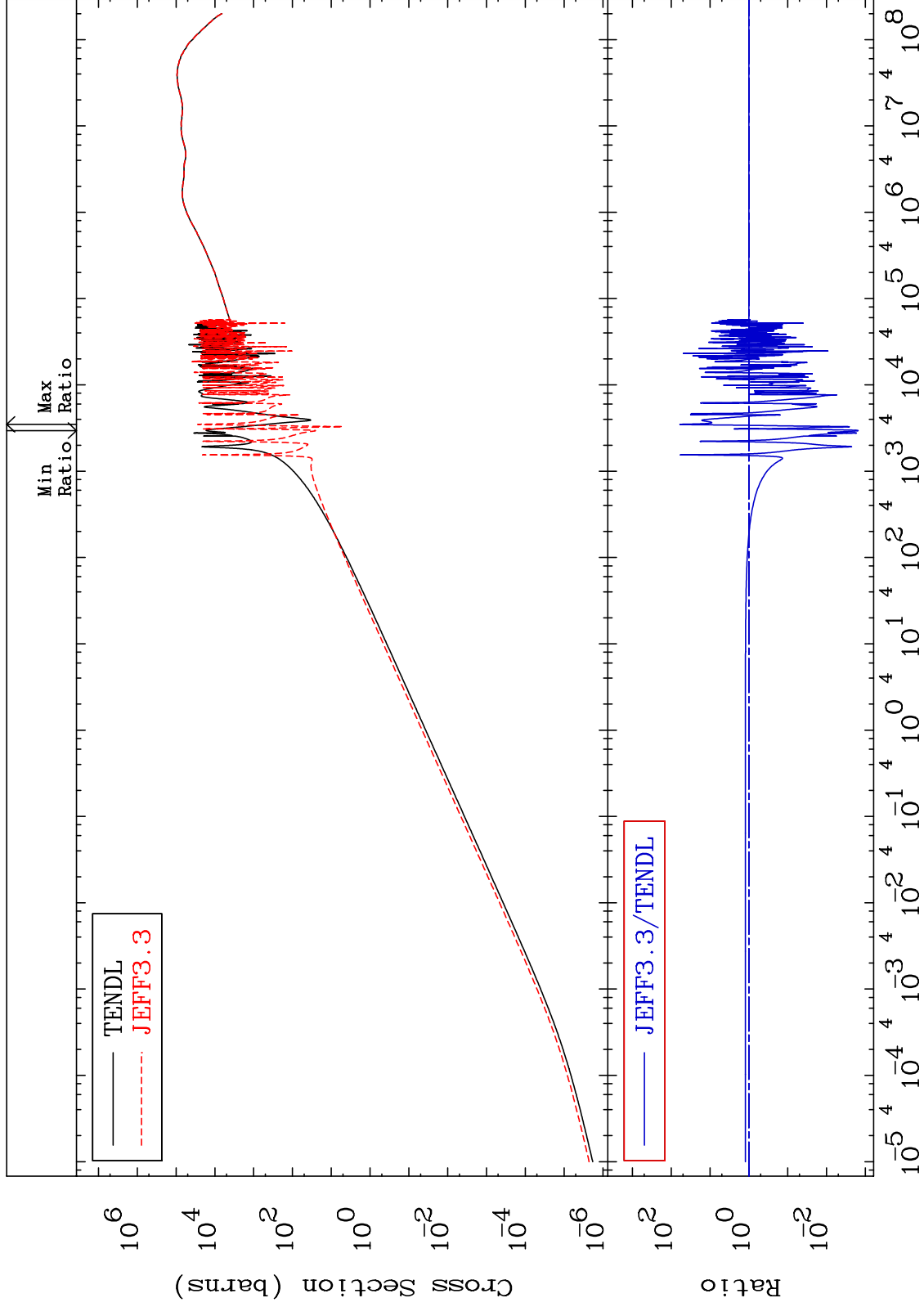
55-Cs-137
-99.85 To 5867. %



MAT 5537

Kerma elastic
Cross Section

55-Cs-137
-99.85 To 5866. %



65

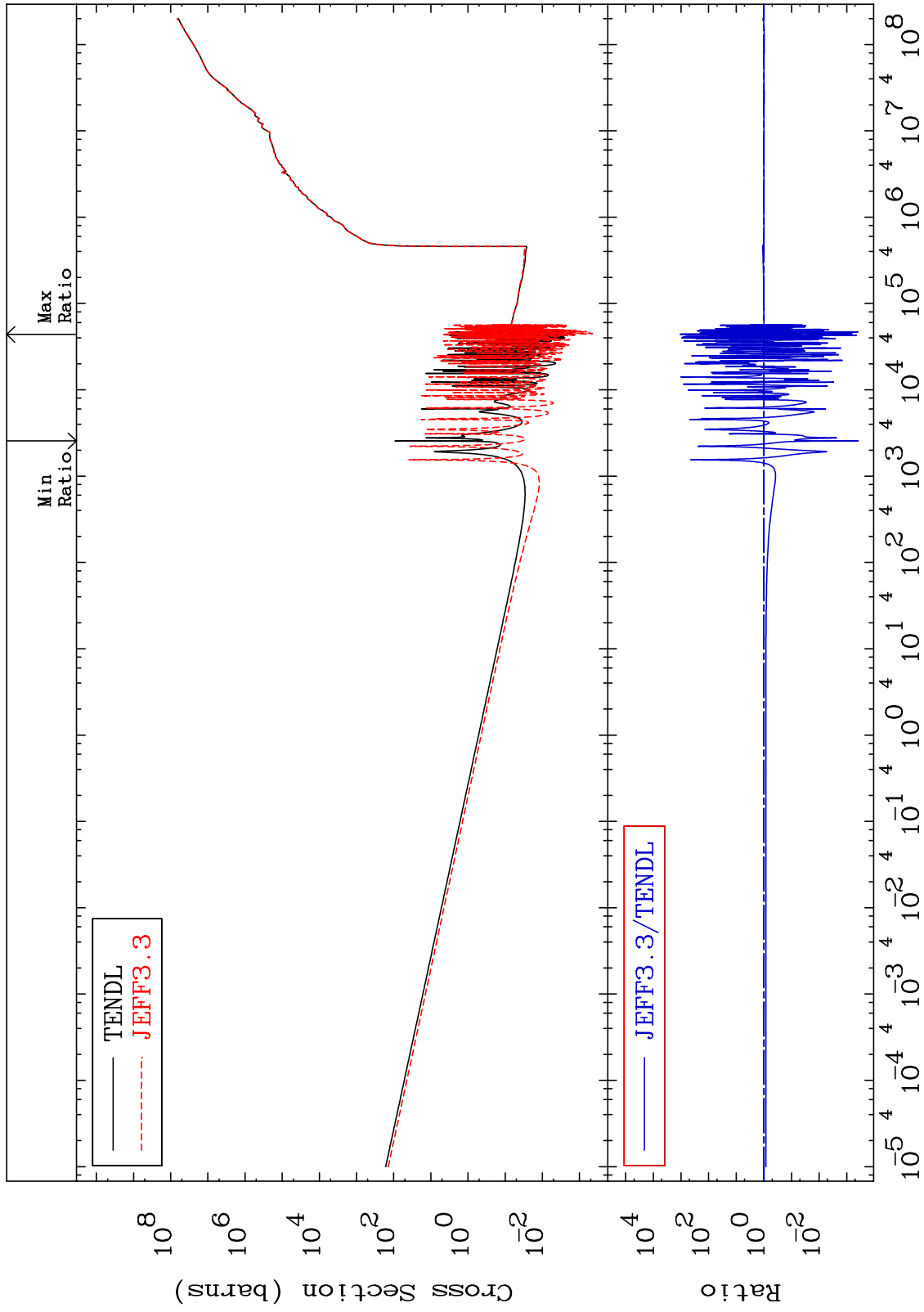
Incident Energy (eV)

55-Cs-137

MAT 5537

Kerma non-elastic (all but mt2)
Cross Section

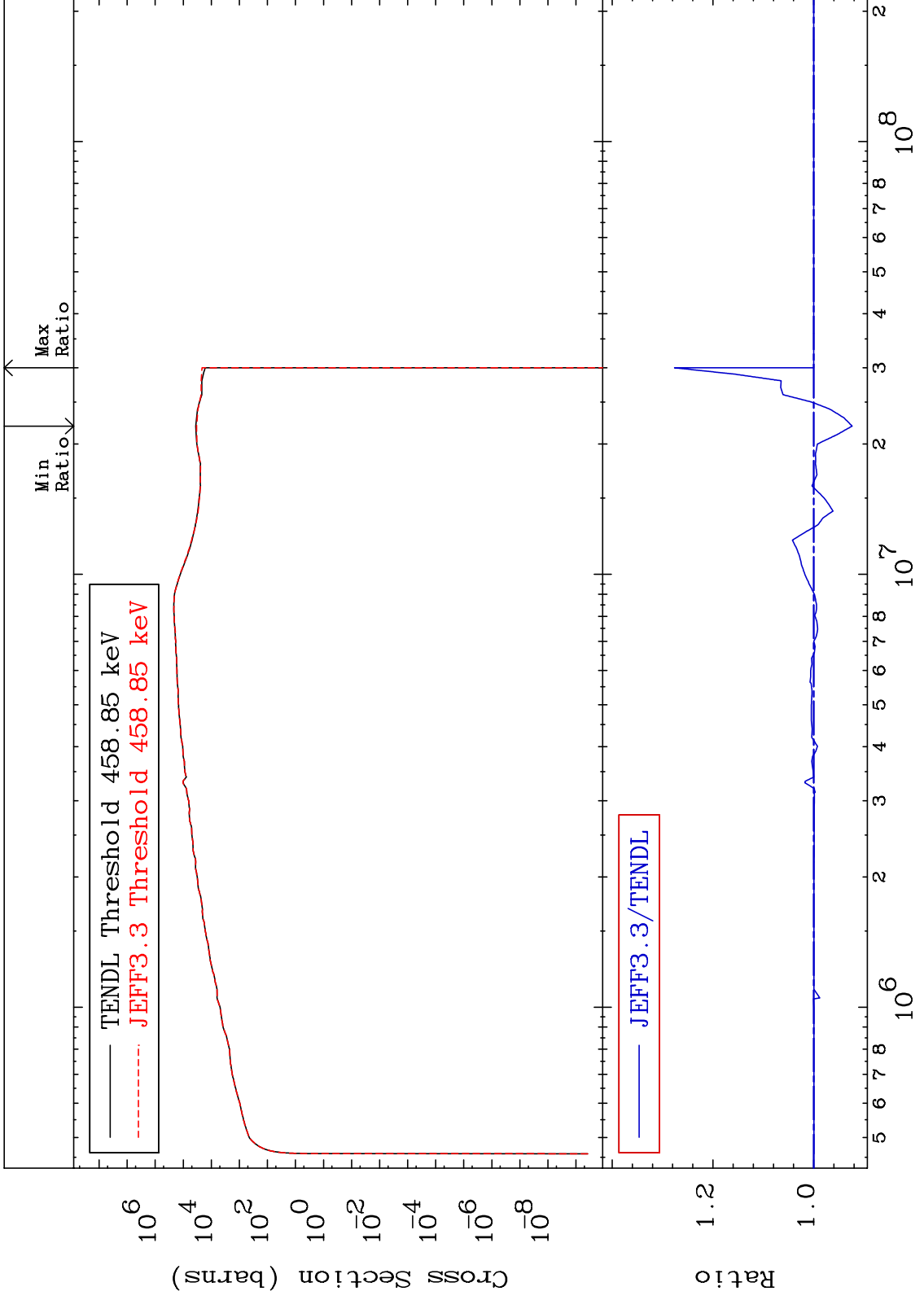
55-Cs-137
-99.96 To 9999. %



MAT 5537

Kerma inelastic (mt51-91)
Cross Section

55-Cs-137
-7.631 To 27.62 %



67

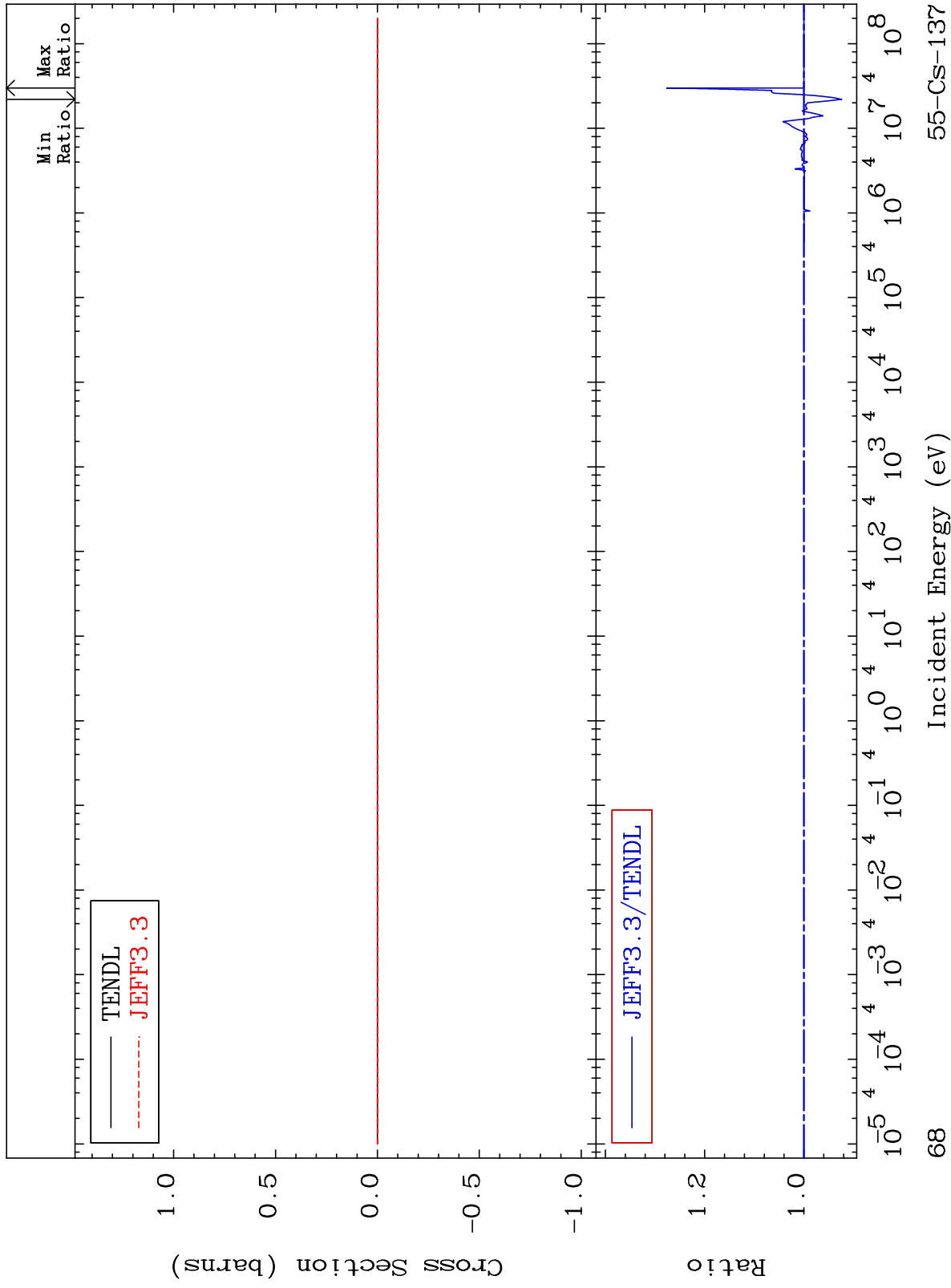
Incident Energy (eV)

55-Cs-137

MAT 5537

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

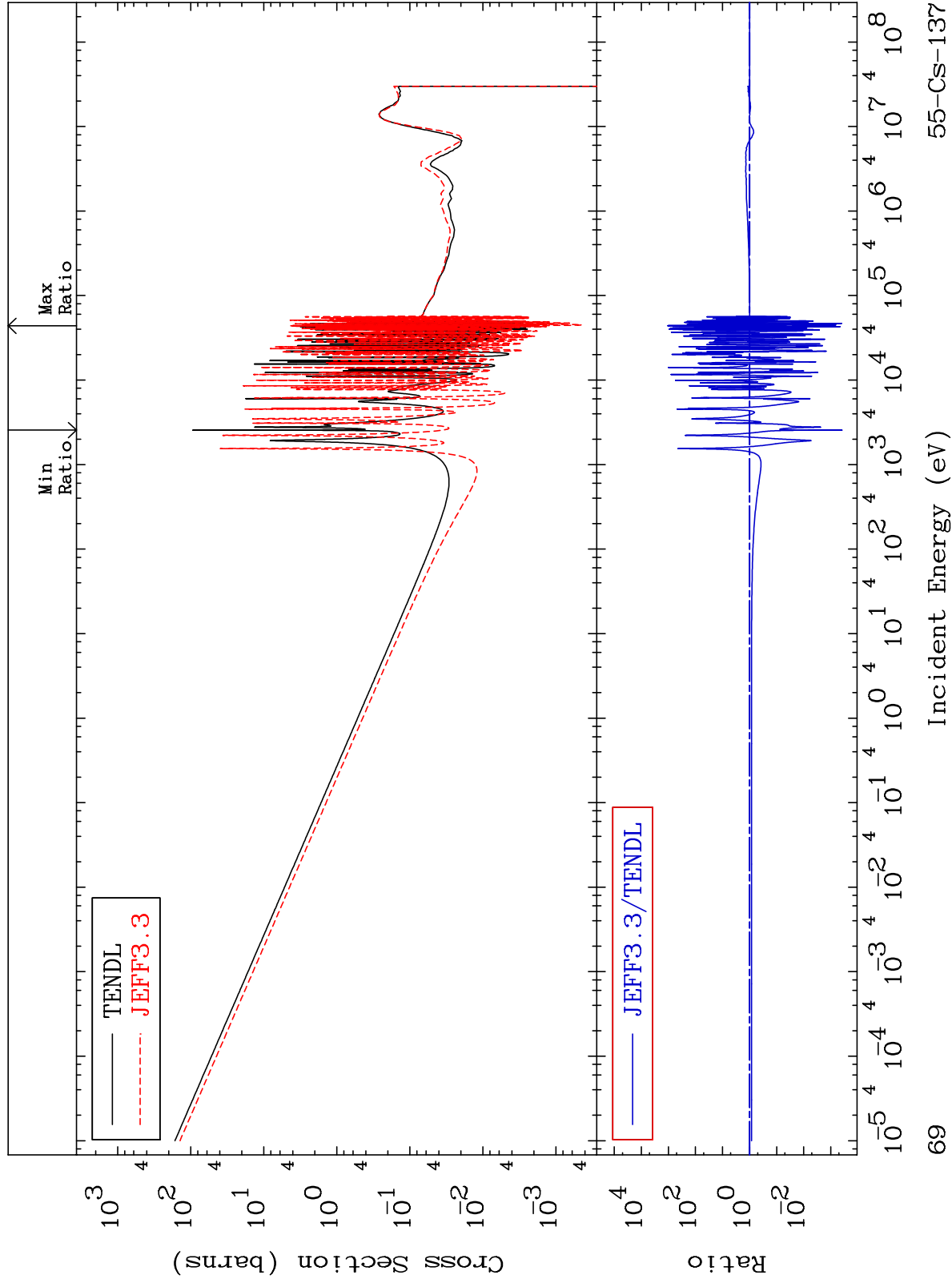
55-Cs-137
-7.631 To 27.62 %



MAT 5537

Kerma capture (mt102)
Cross Section

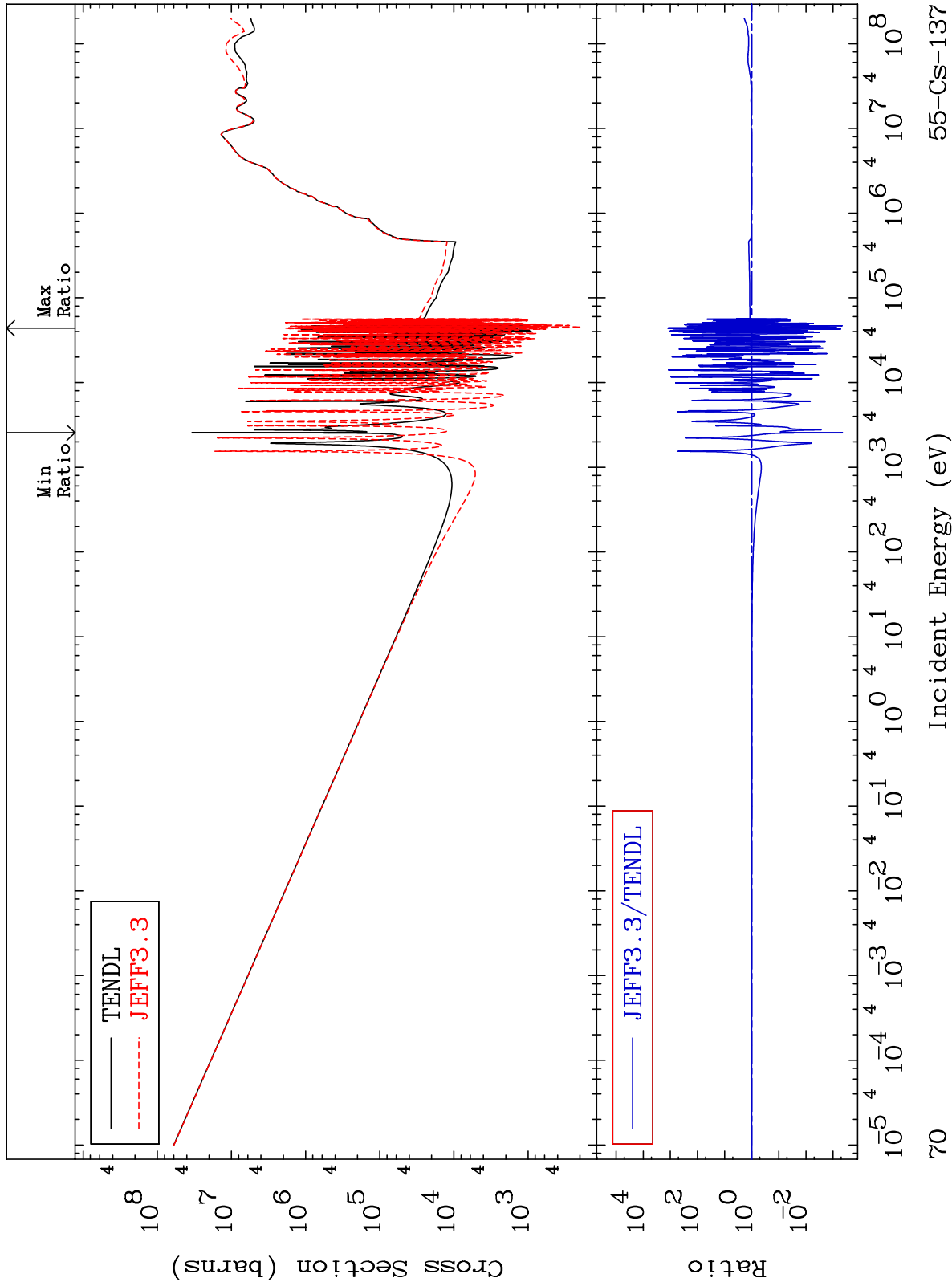
55-Cs-137
-99.96 To 9999. %



MAT 5537

Total photon (eV-barns)
Cross Section

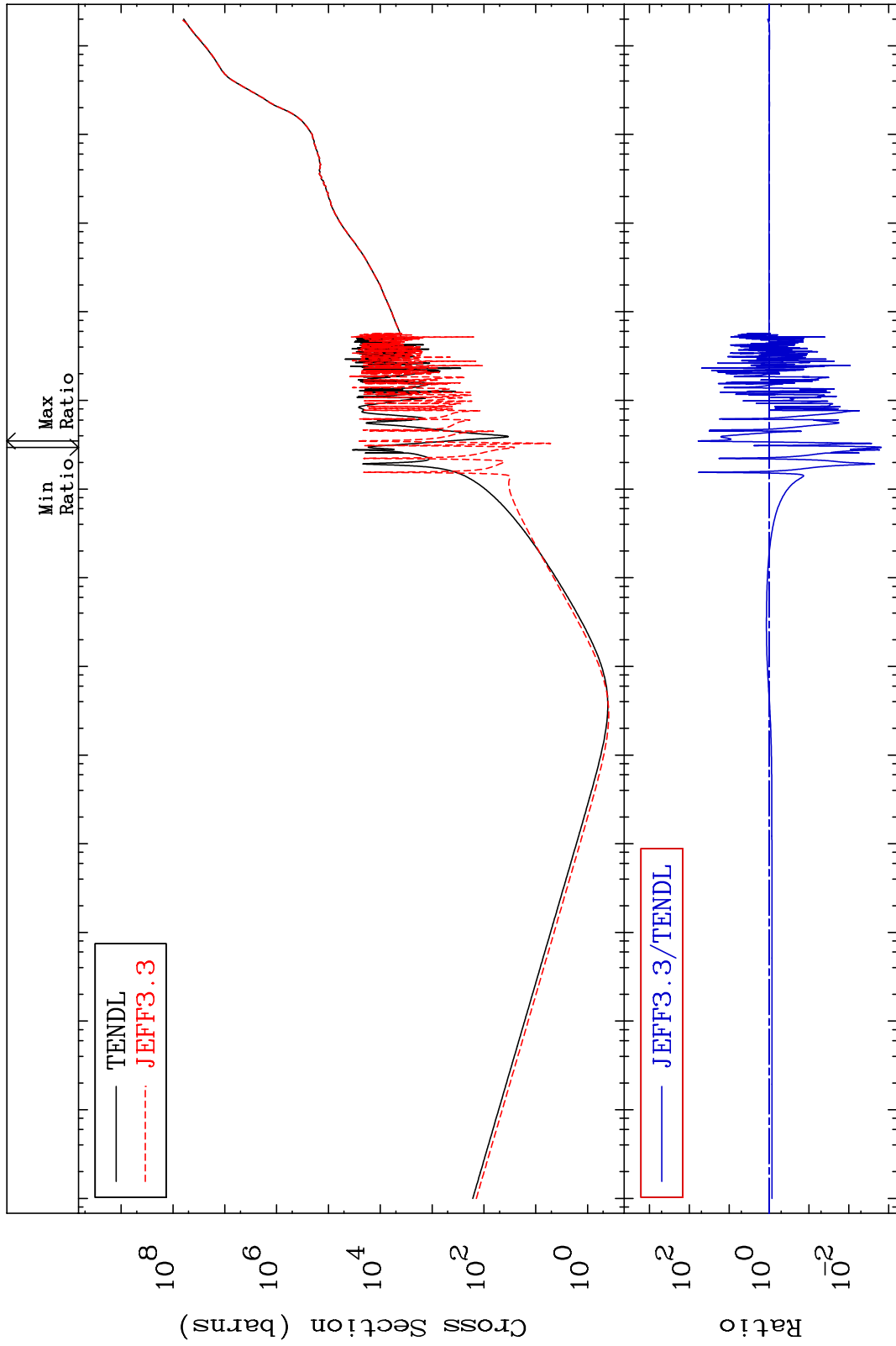
55-Cs-137
-99.96 To 9999. %



MAT 5537

Total kinematic kerma (high limit)
Cross Section

55-Cs-137
-99.85 To 5867. %



71

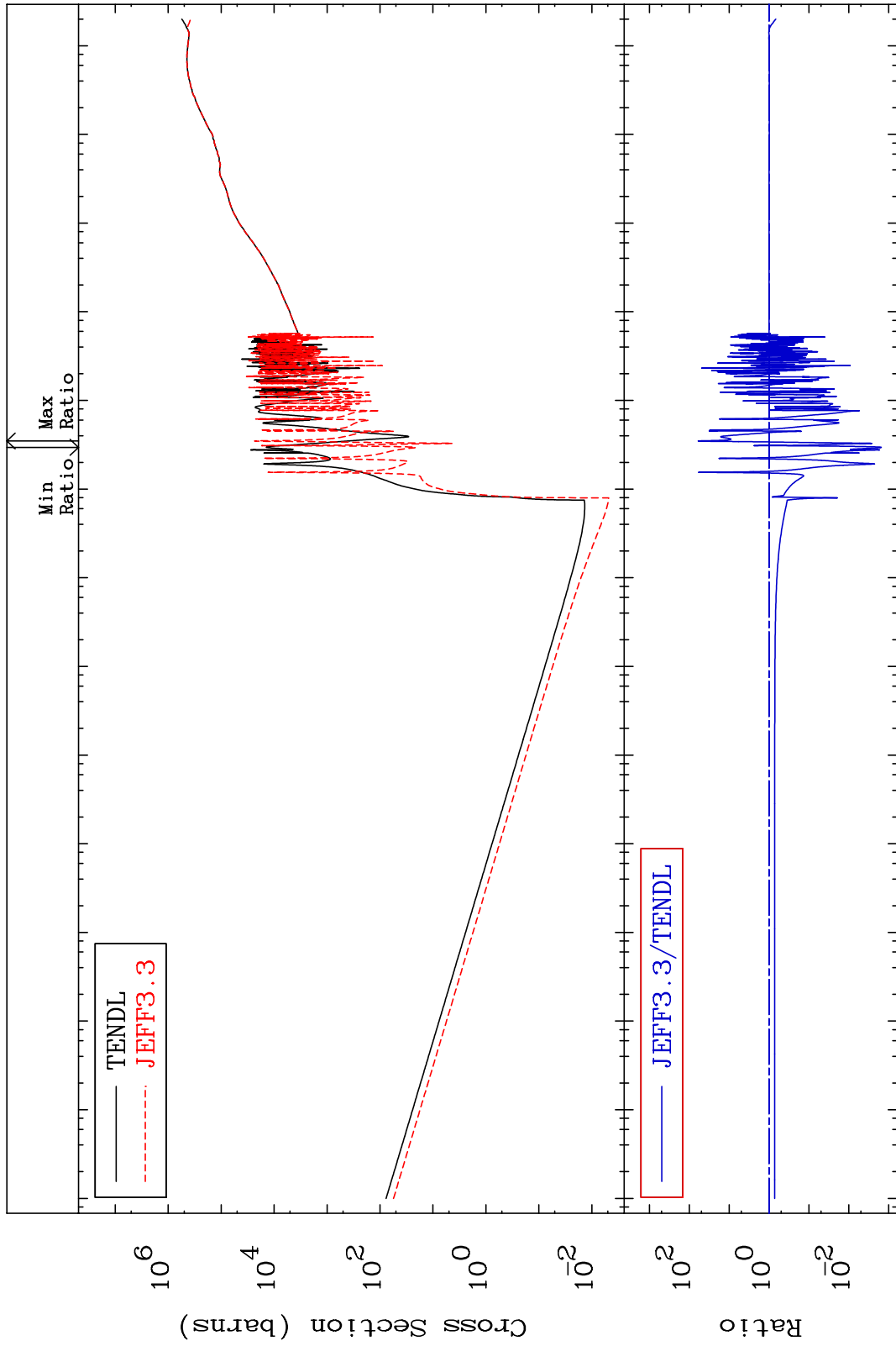
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa total (eV-barns)
Cross Section

55-Cs-137
-99.85 To 5866. %



72

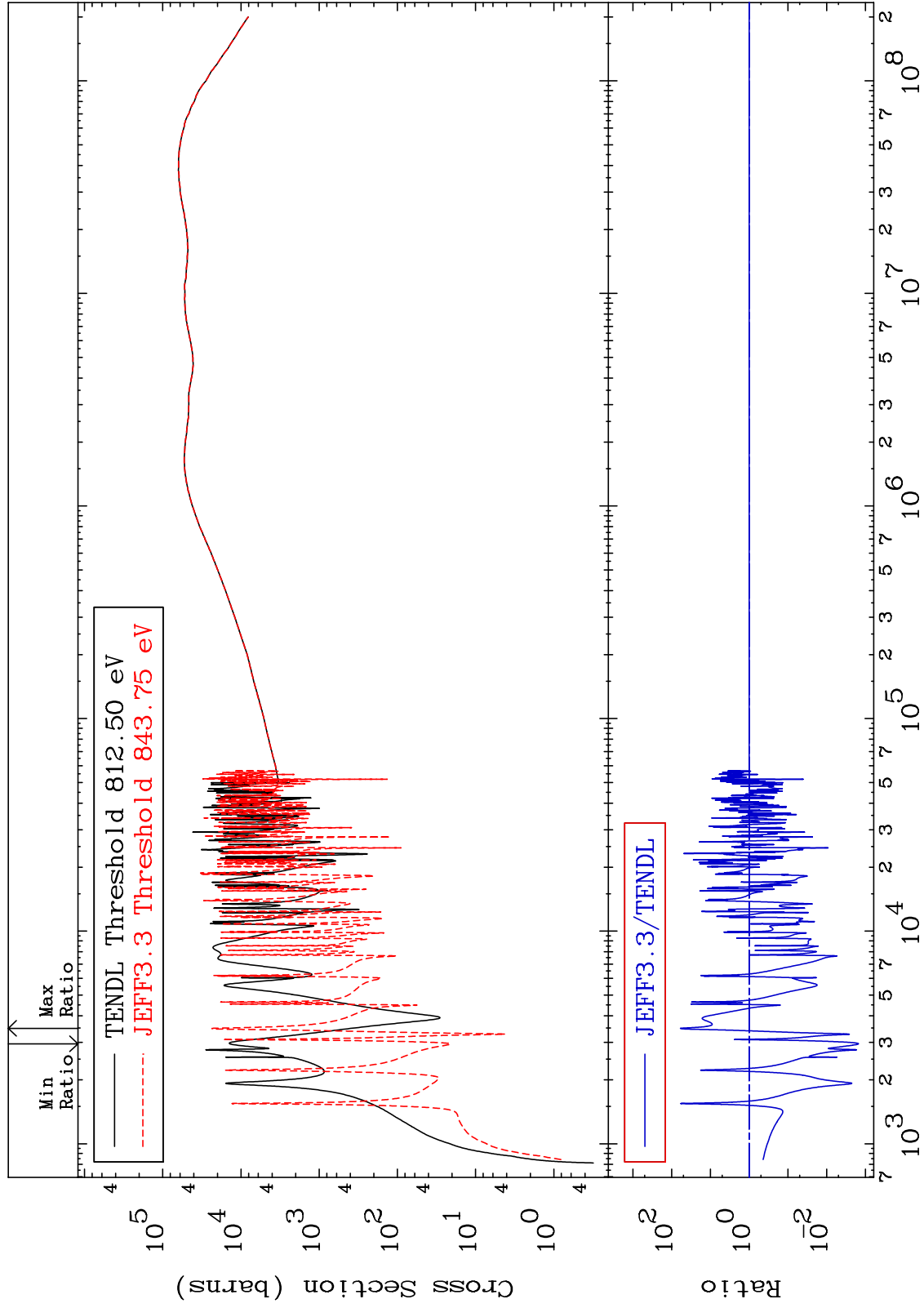
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa elastic (mt2)
Cross Section

55-Cs-137
-99.85 To 5866. %



73

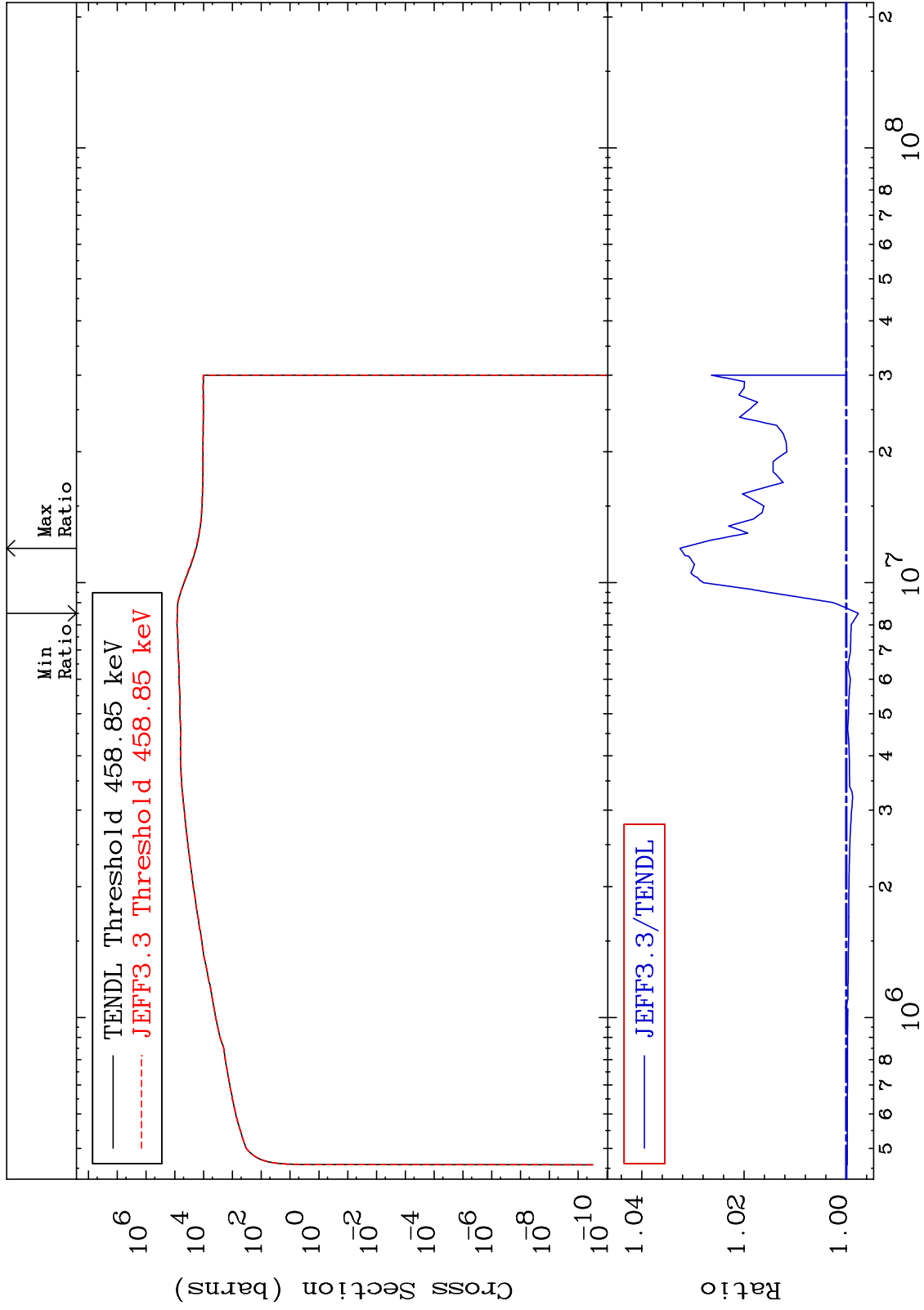
Incident Energy (eV)

55-Cs-137

MAT 5537

Dpa inelastic (mt51-91)
Cross Section

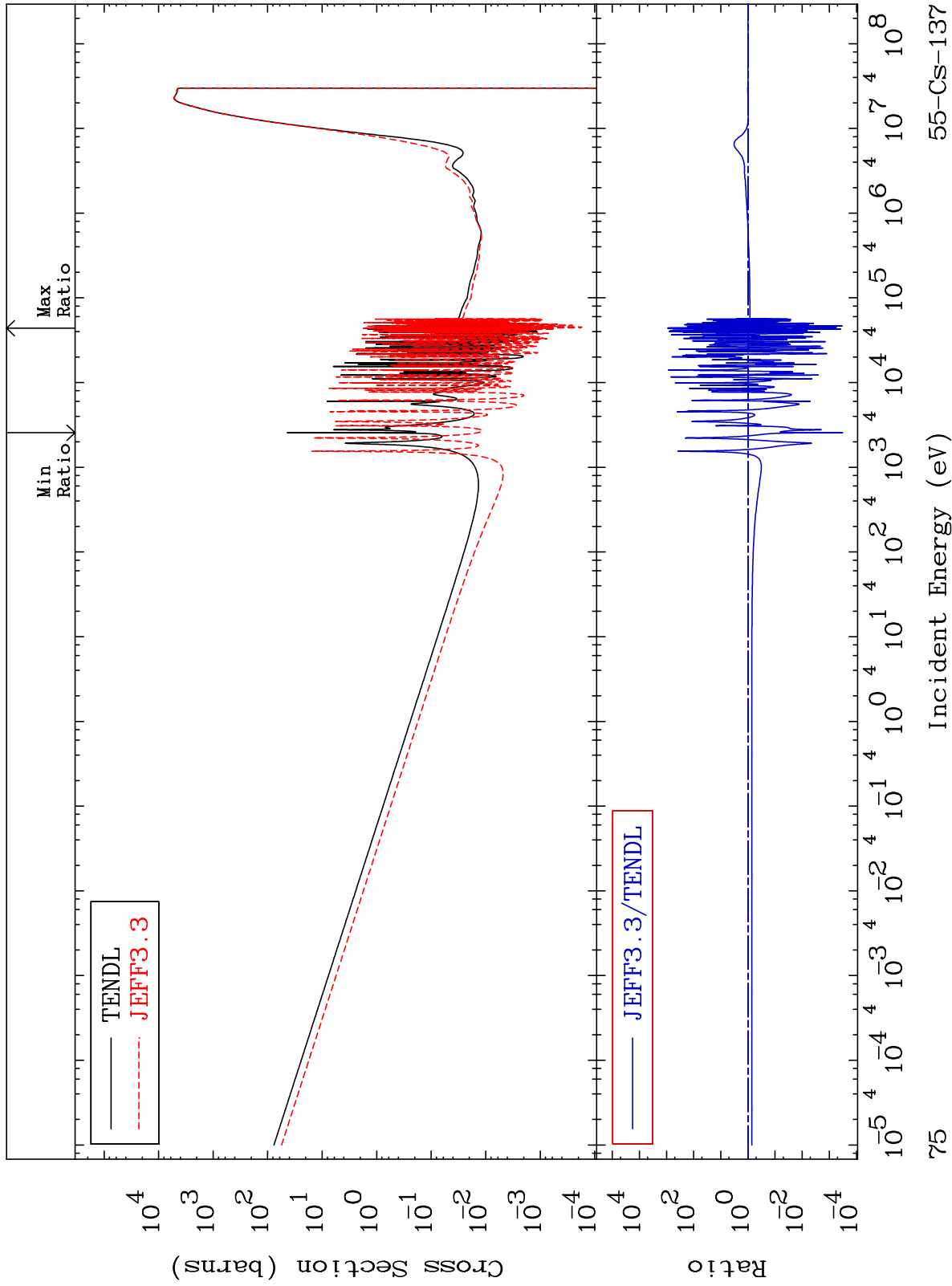
55-Cs-137
-0.238 To 3.252 %



MAT 5537

Dpa disappearance (mt102 -120)
Cross Section

55-Cs-137
-99.97 To 9999. %



75

Incident Energy (eV)

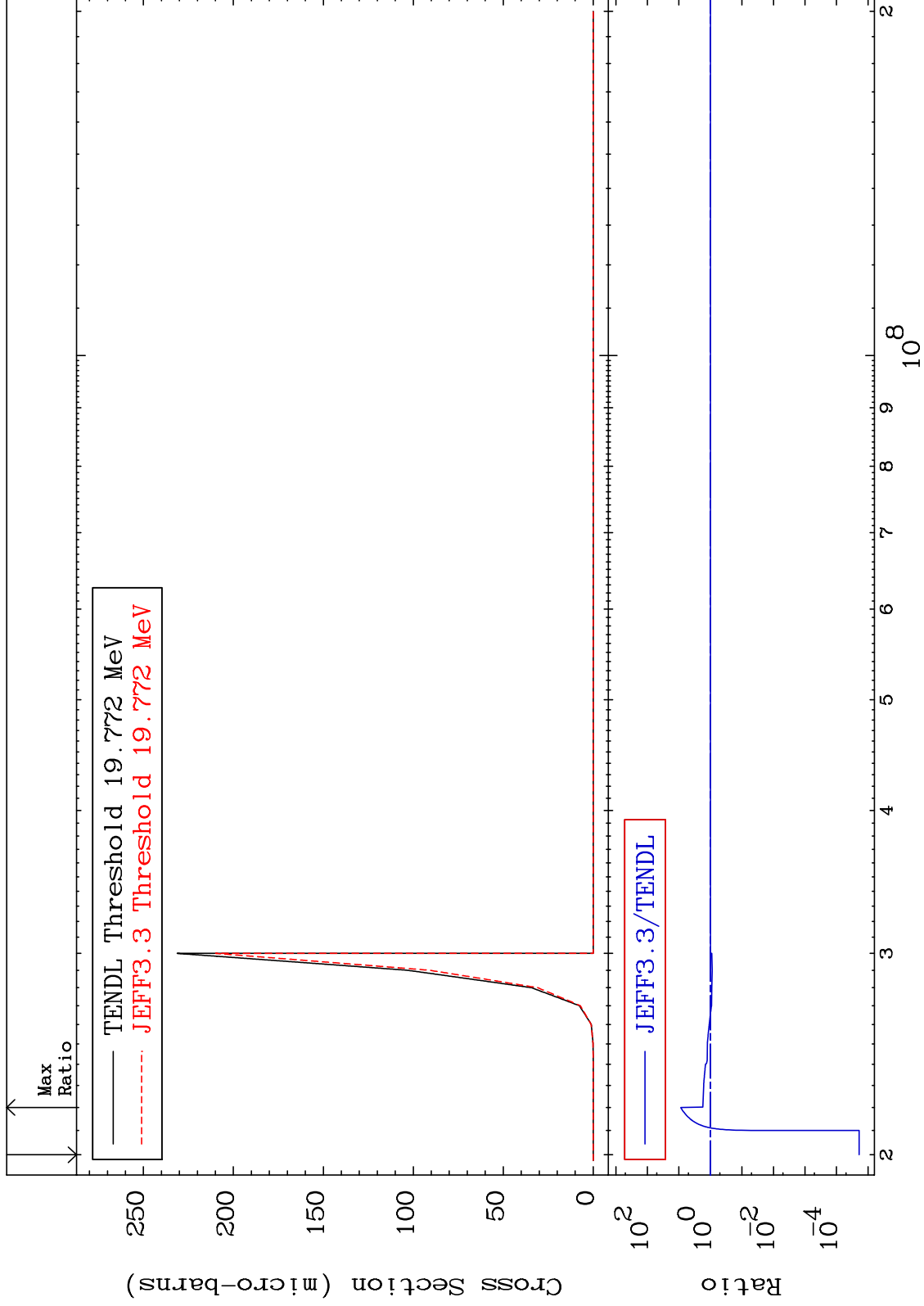
55-Cs-137

MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -100.0 To 781.3 %



76

Incident Energy (eV)

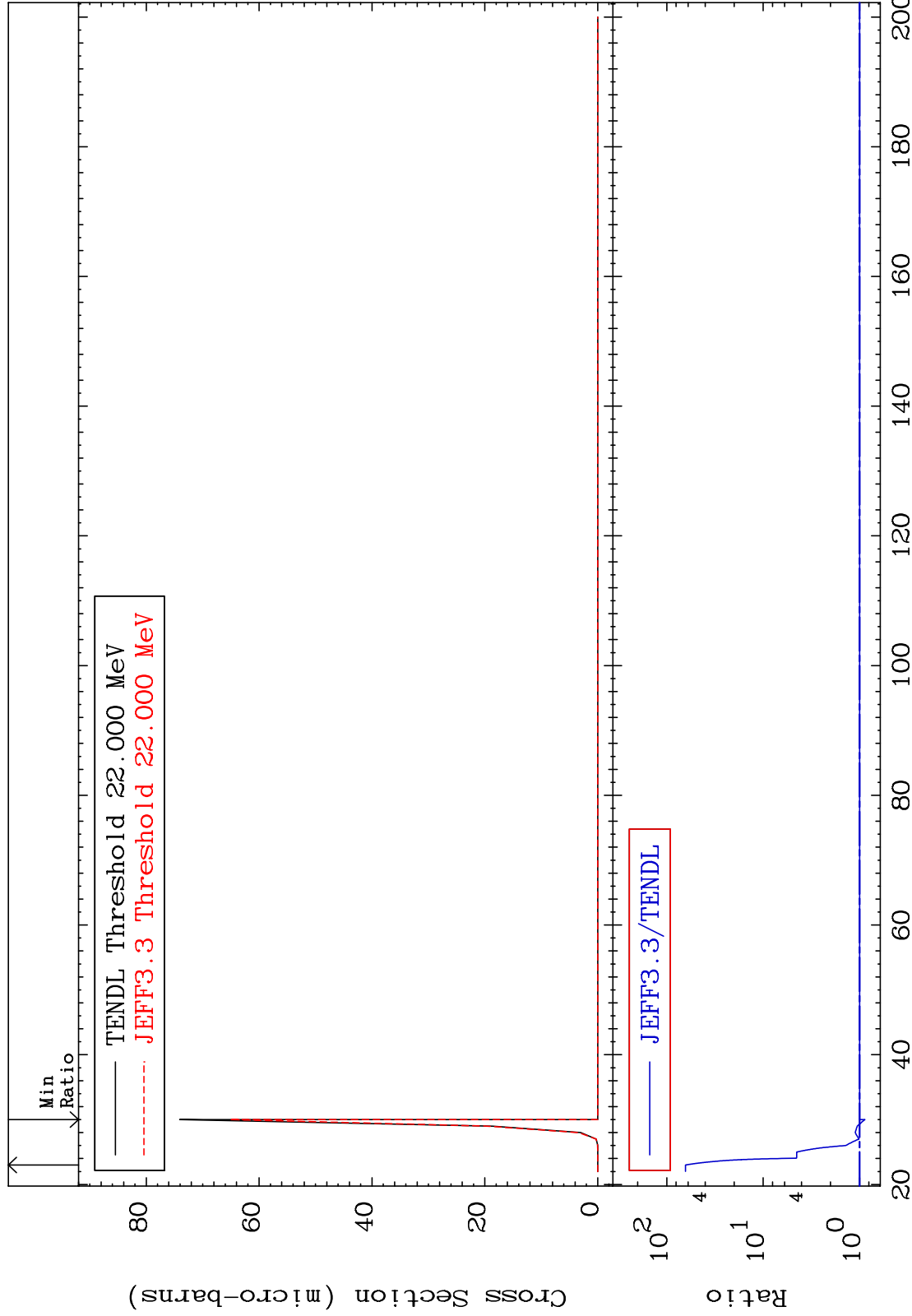
55-Cs-137

MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -11.99 To 6282. %



77

Incident Energy (MeV)

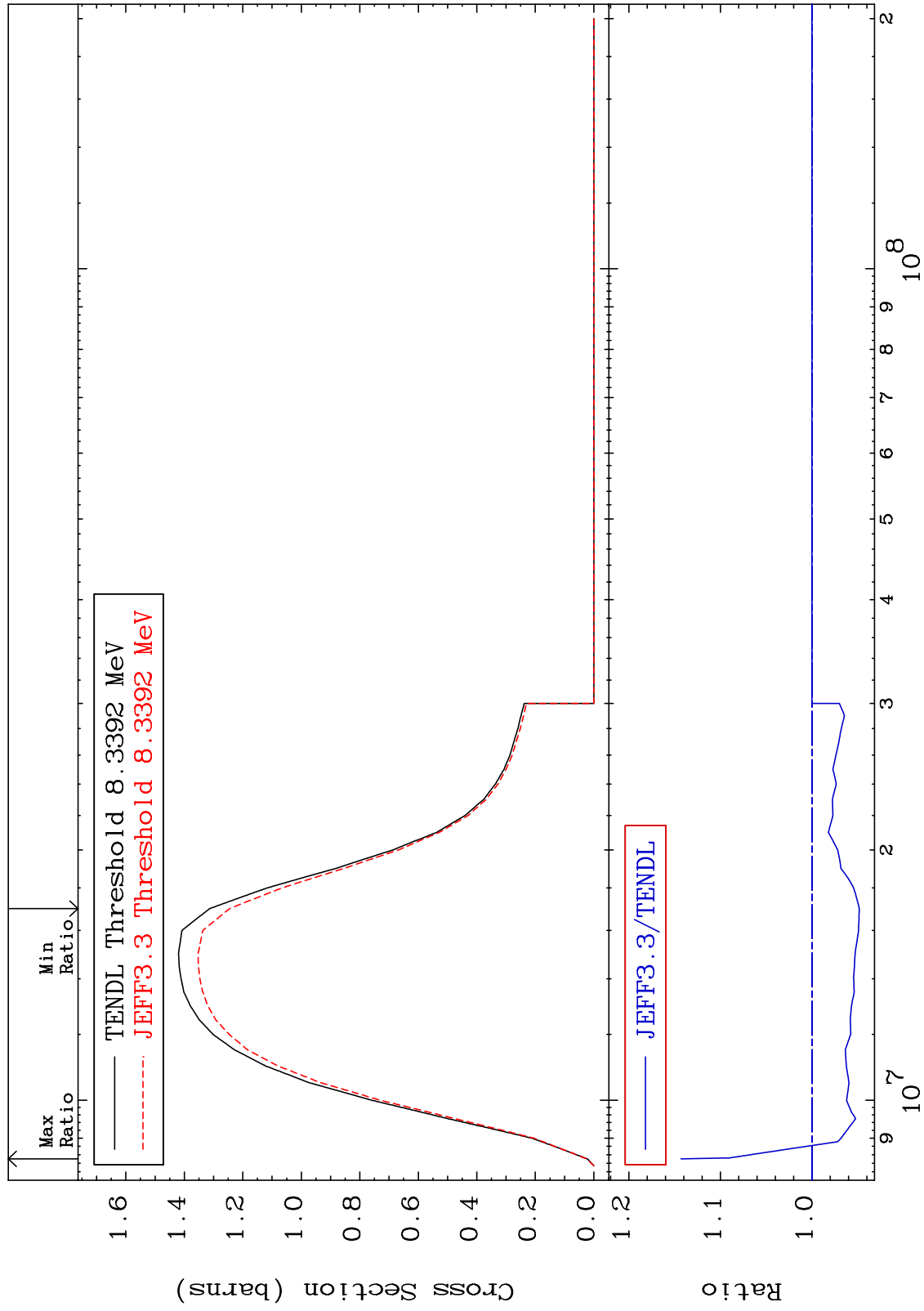
55-Cs-137

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

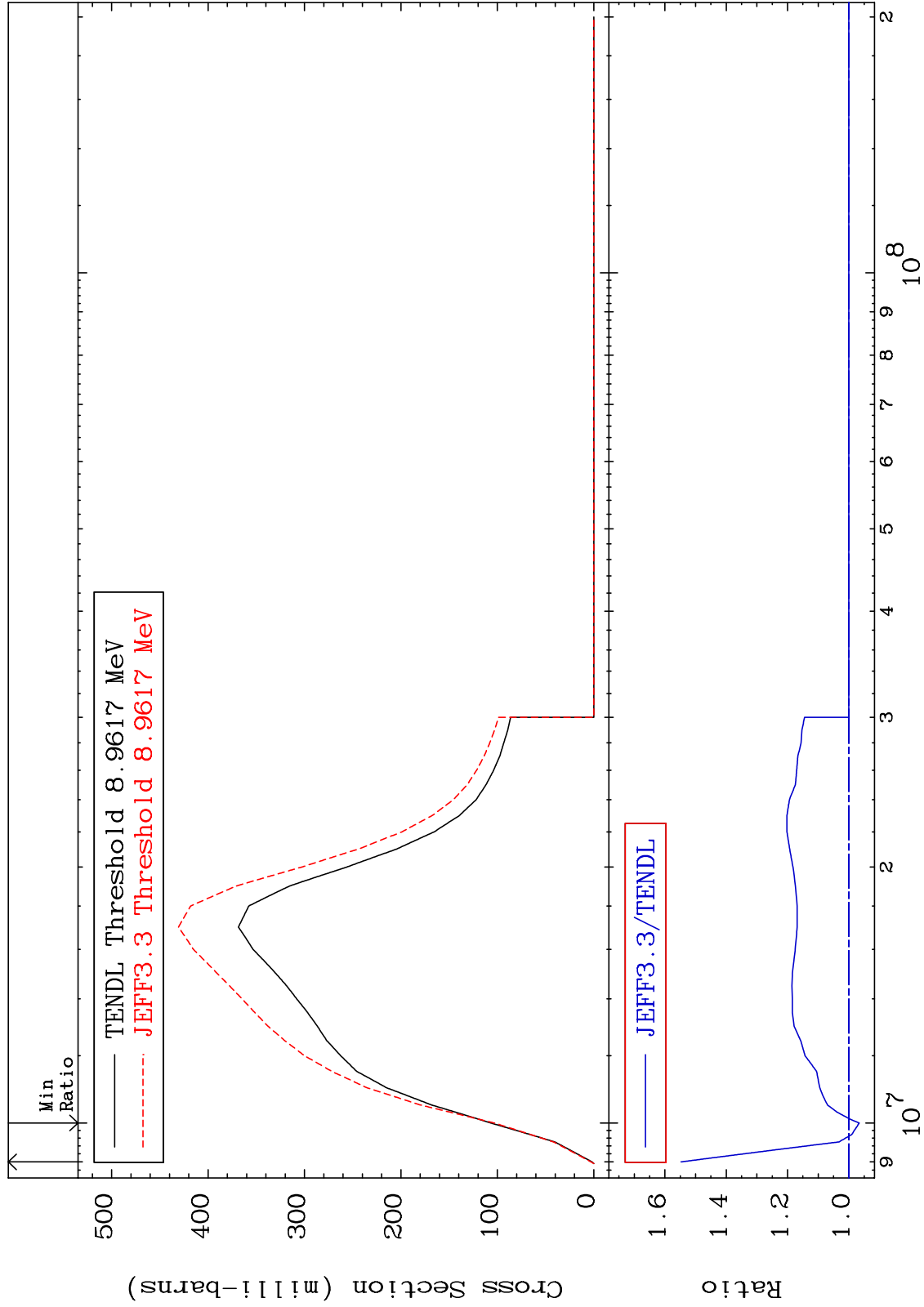
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-3.392 To 54.75 %



79

Incident Energy (eV)

55-Cs-137

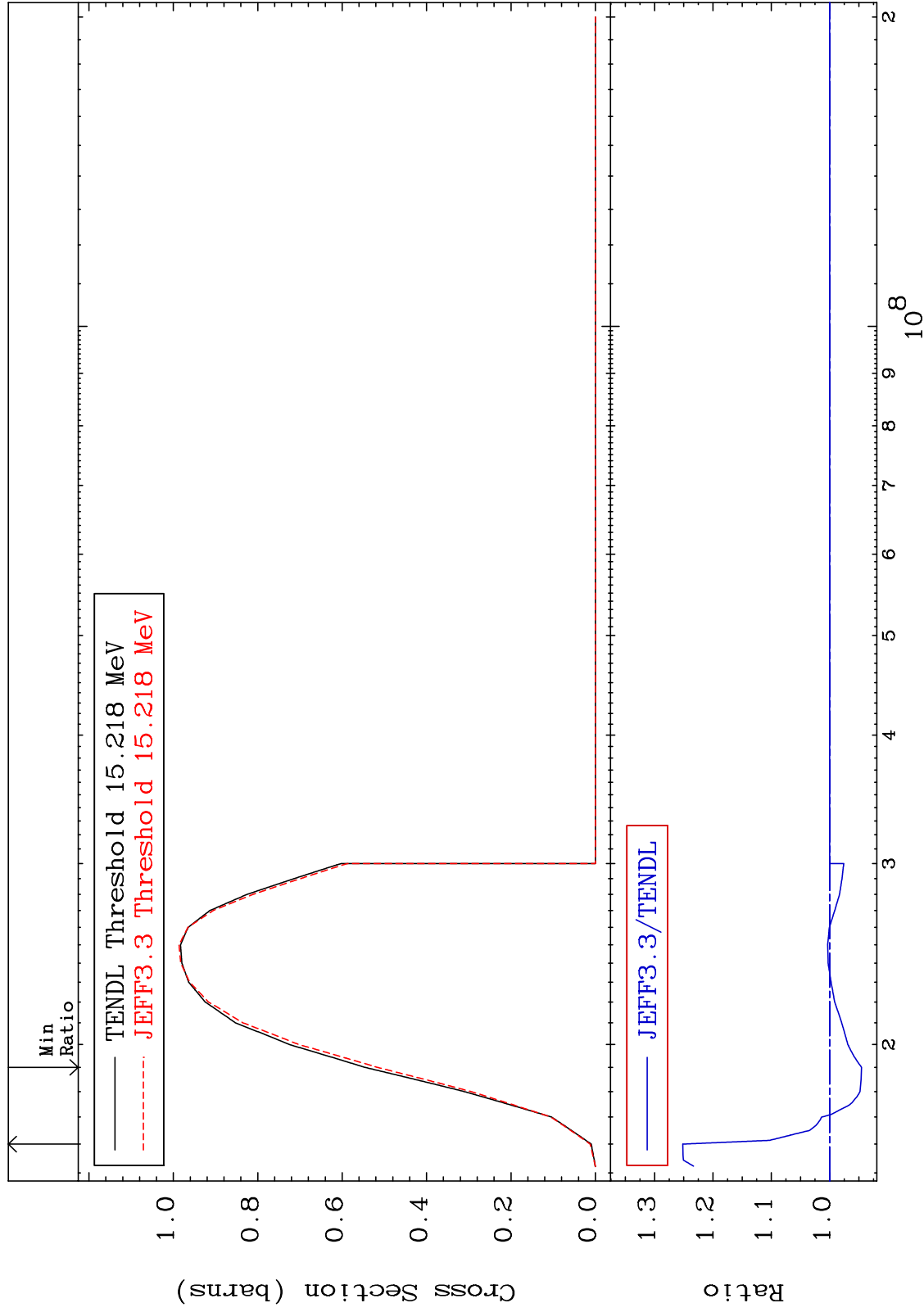
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-5.467 To 25.16 %



80

Incident Energy (eV)

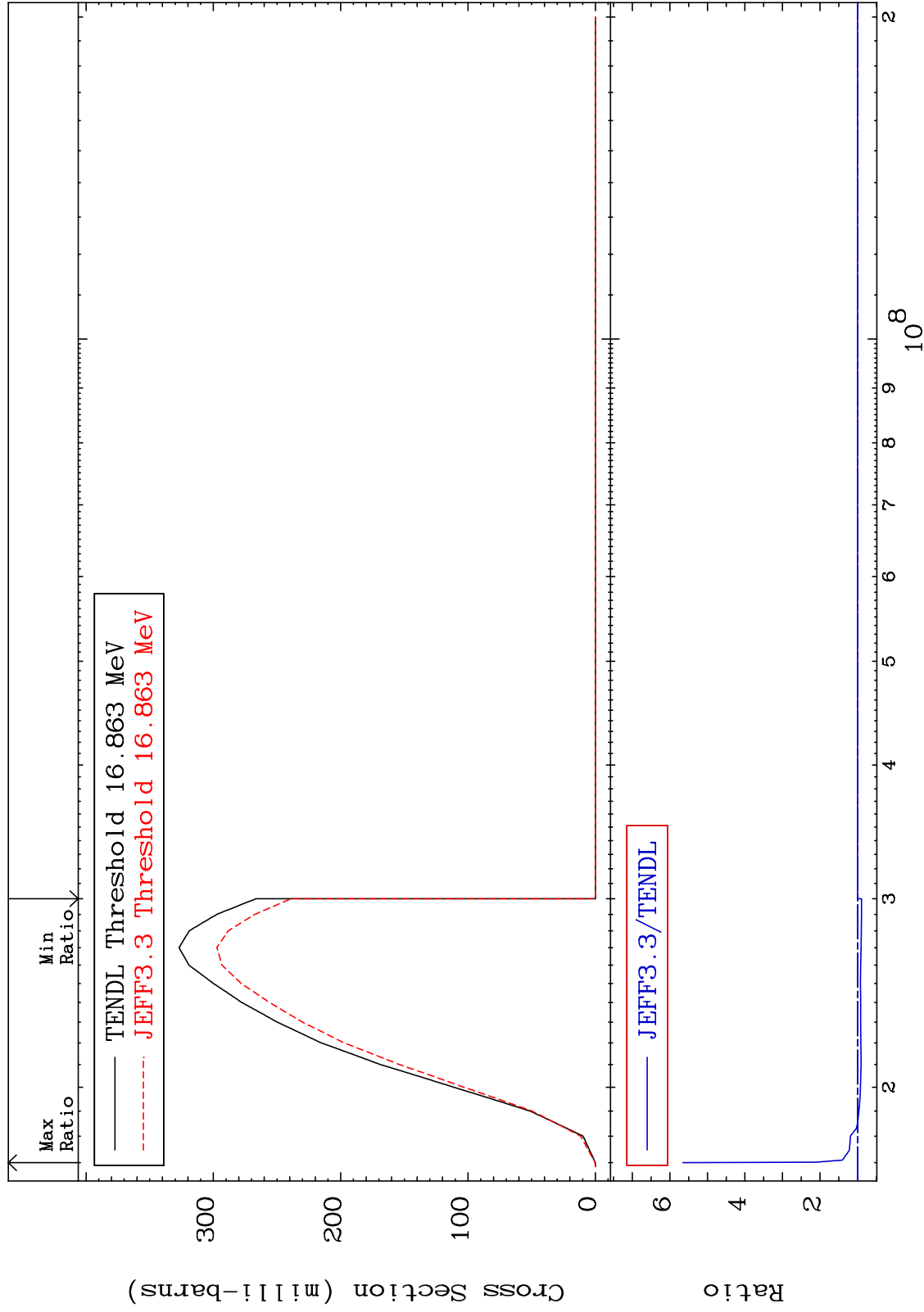
55-Cs-137

MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -10.37 To 465.3 %

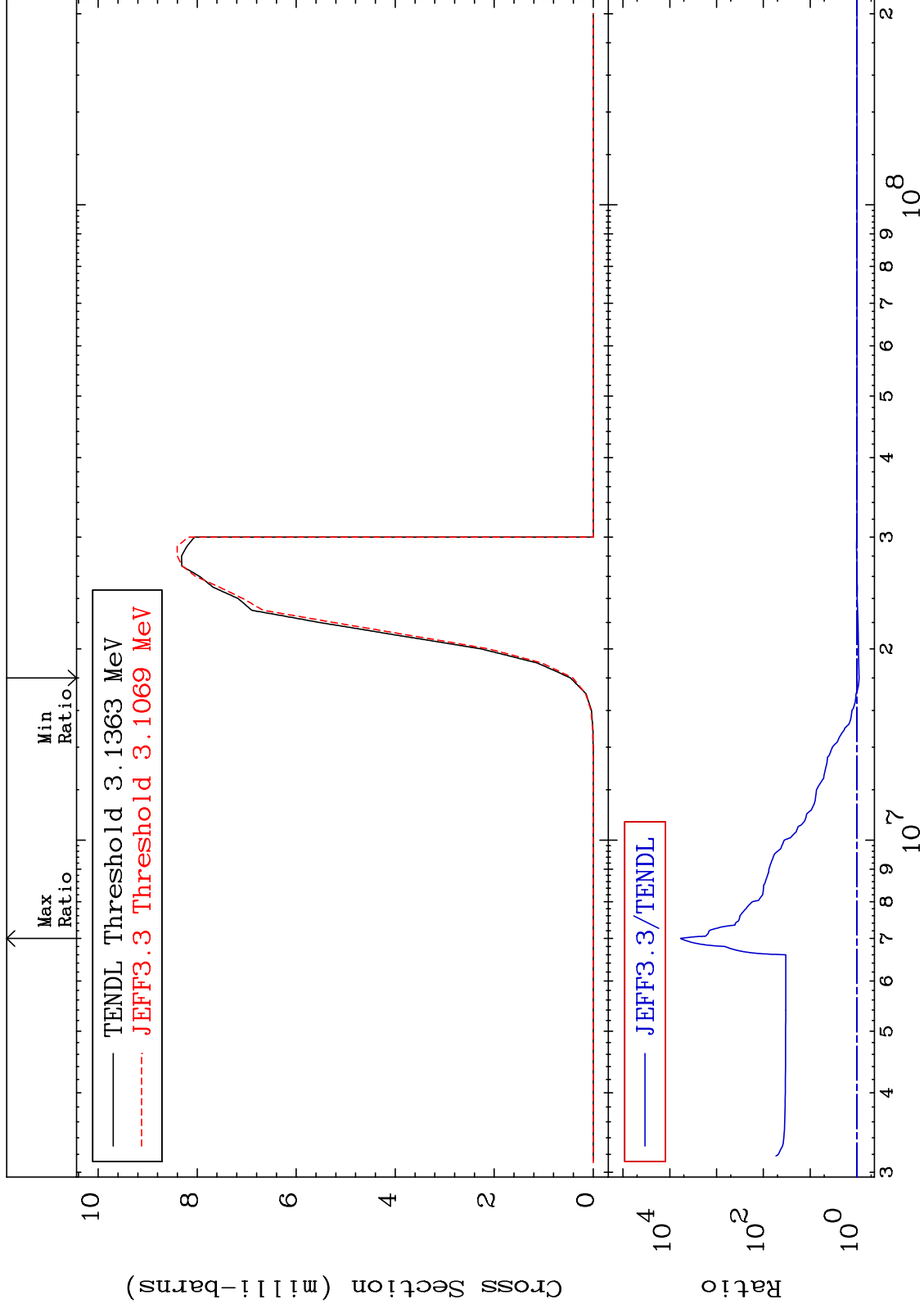


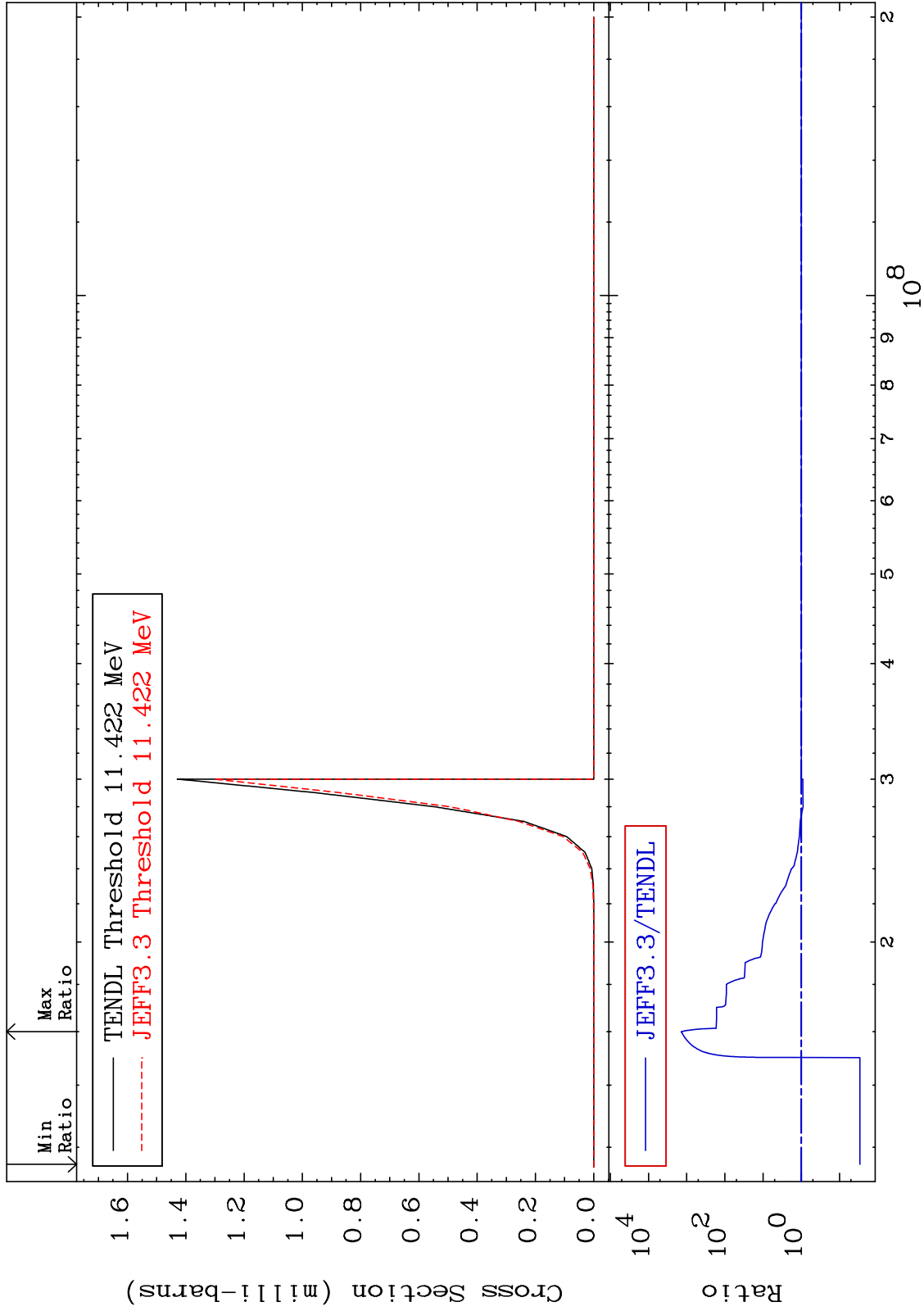
MAT 5537

(n, n') α :53-I -133g

55-Cs-137

Radionuclide Production Cross Section -10.22 To 9999. %



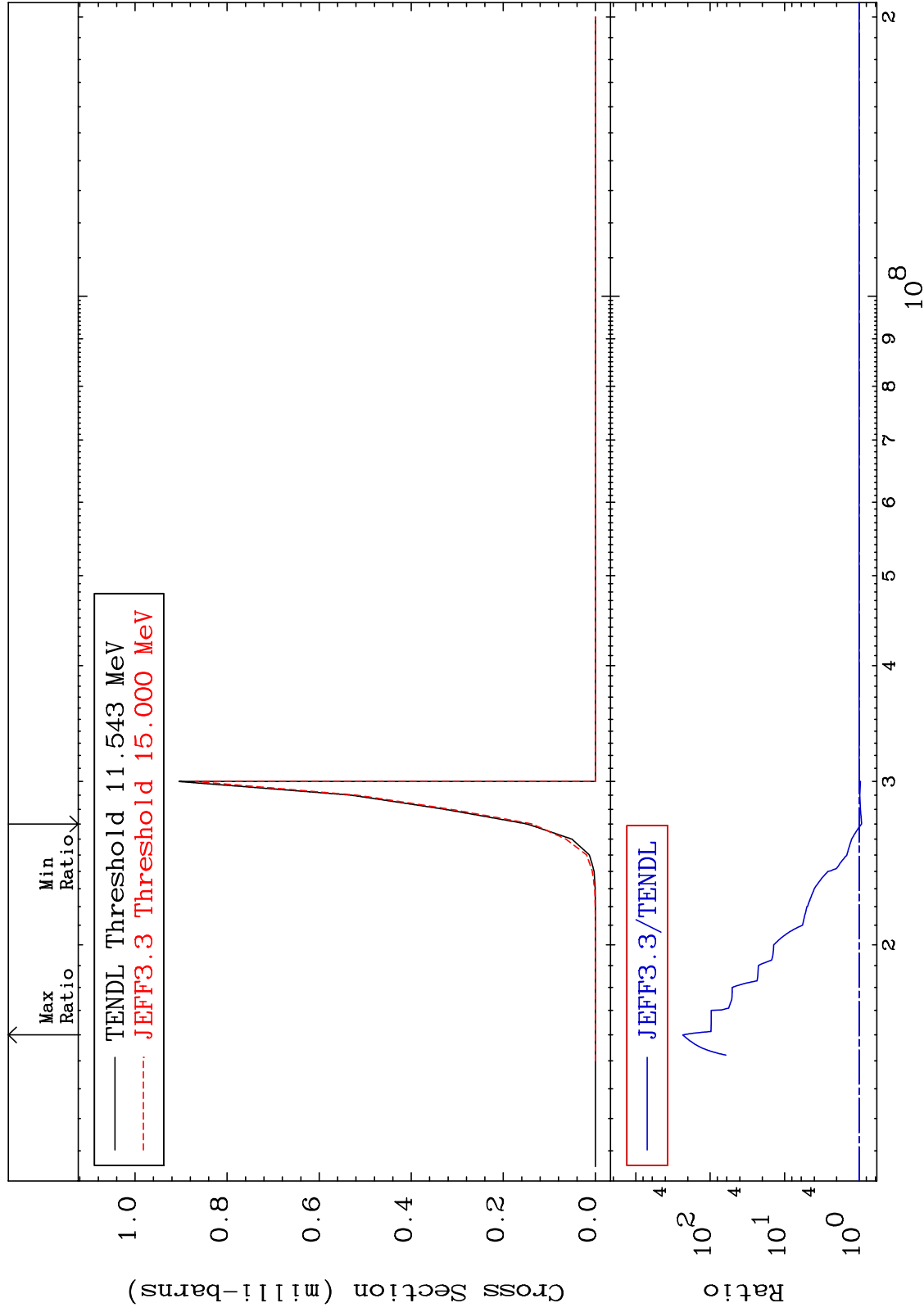


MAT 5537

(n,2n) α :53-1 -132m3

55-Cs-137

Radionuclide Production Cross Section -7.371 To 9999. %



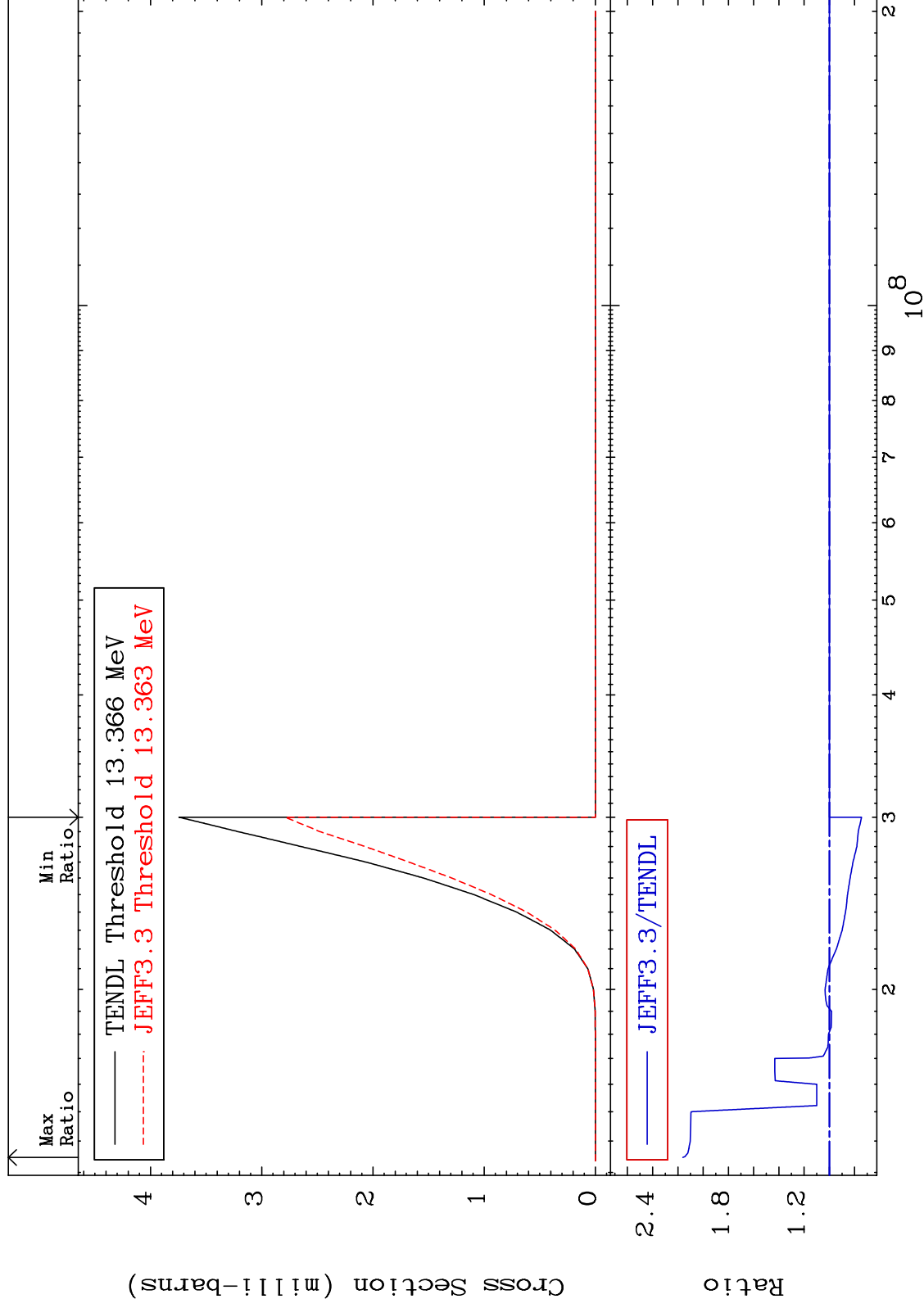
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-25.51 To 116.1 %



85

Incident Energy (eV)

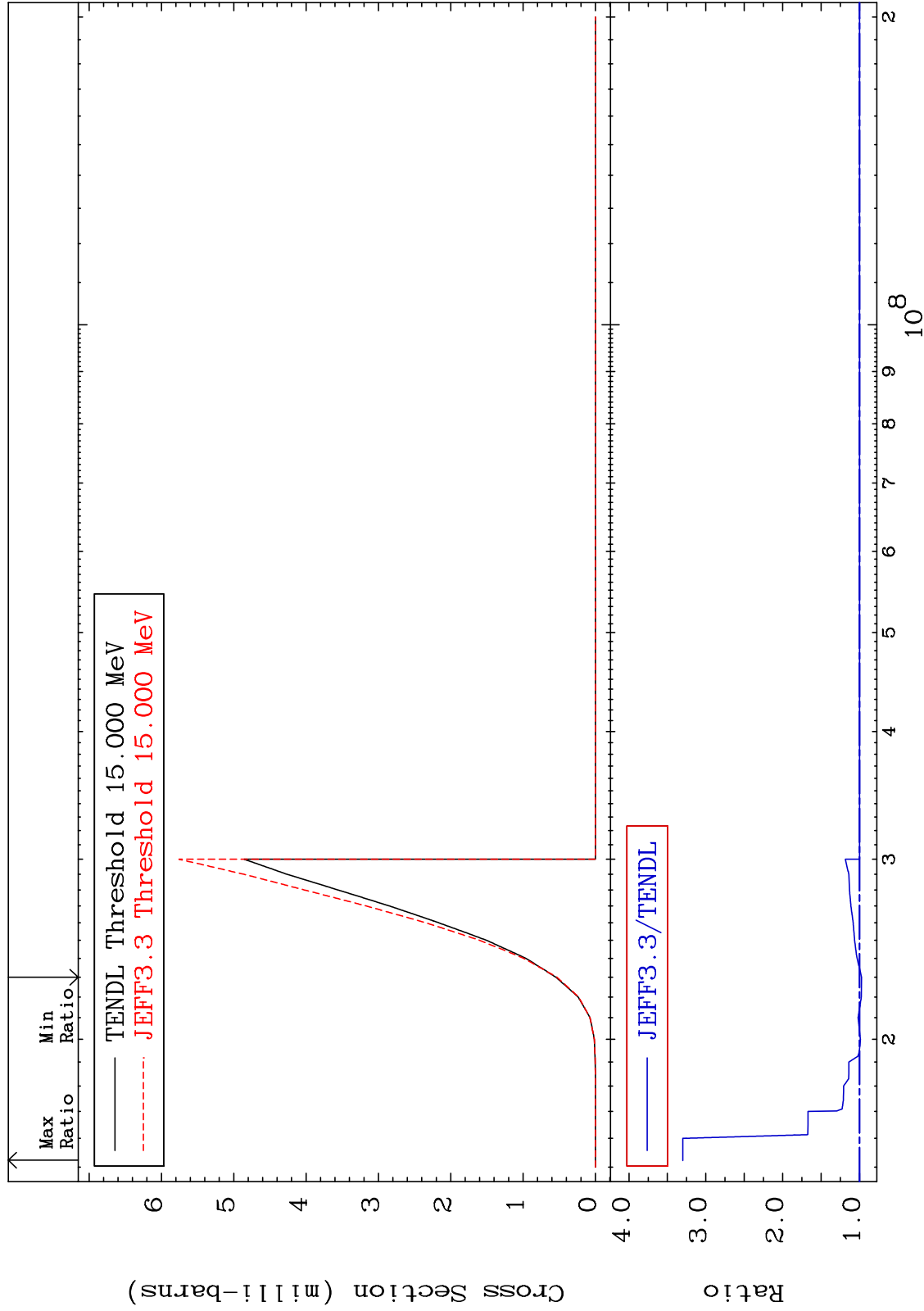
55-Cs-137

MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -2.688 To 229.9 %



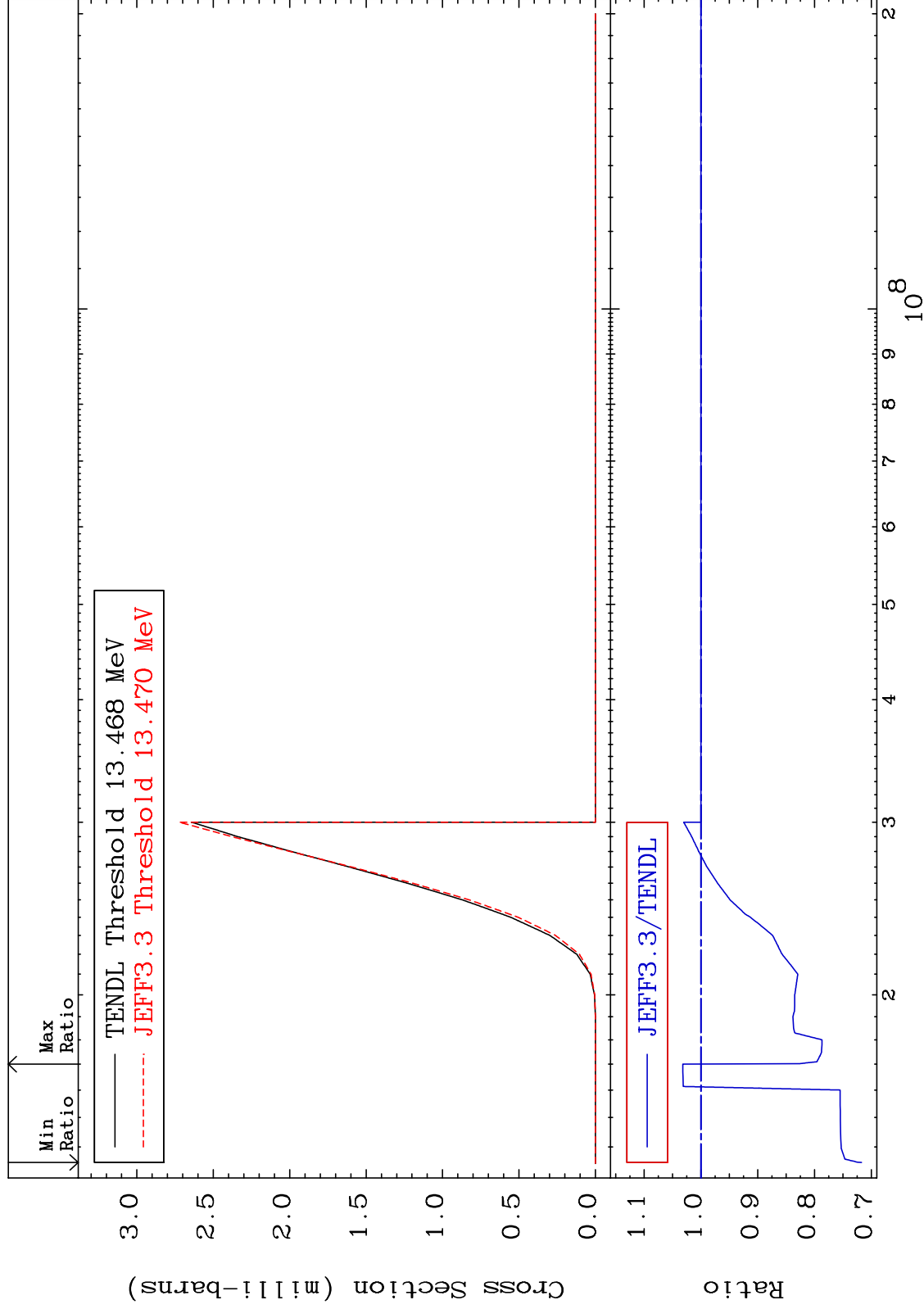
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-28.28 To 3.183 %

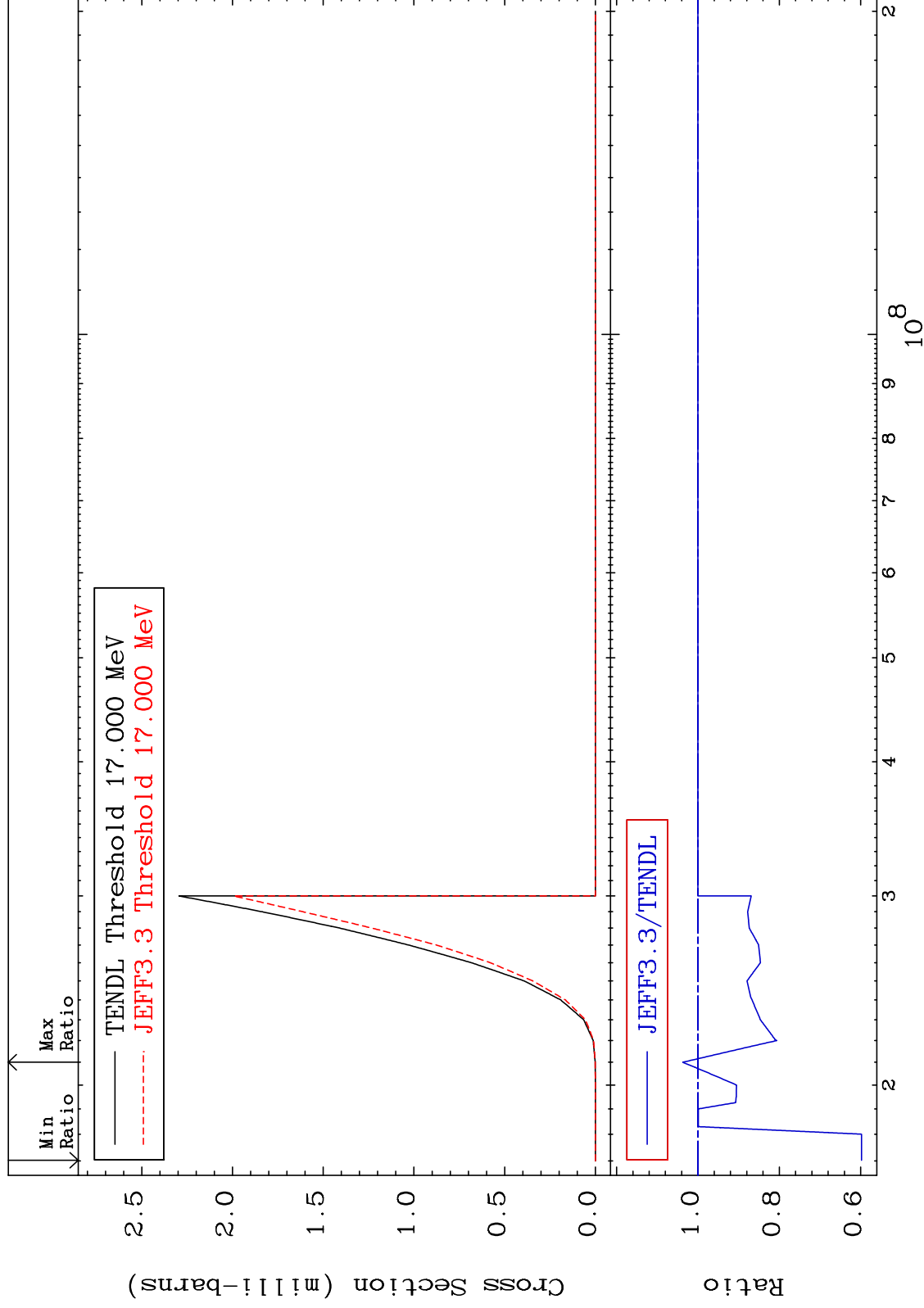


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -40.23 To 3.709 %

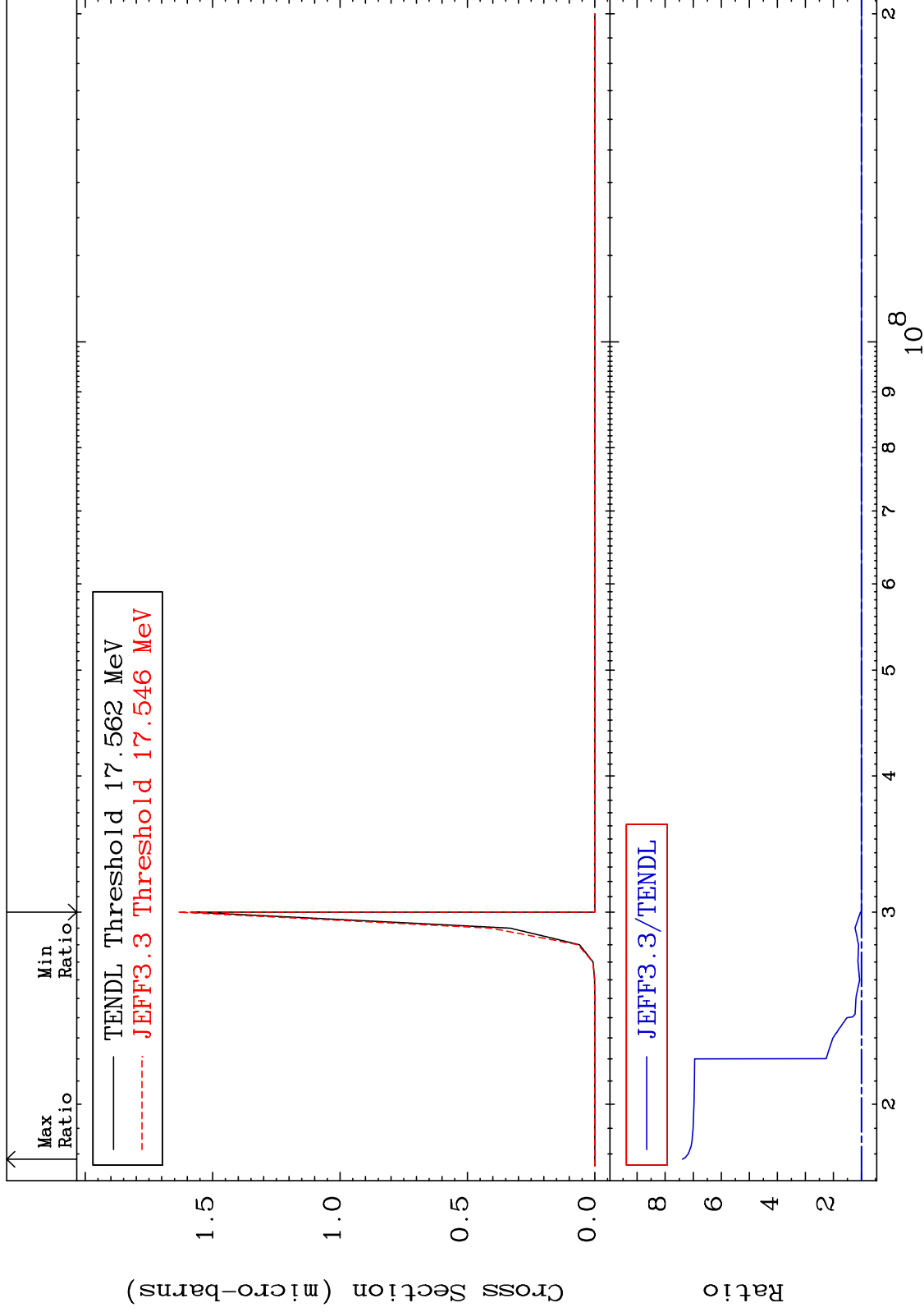


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section 0.000 To 638.5 %

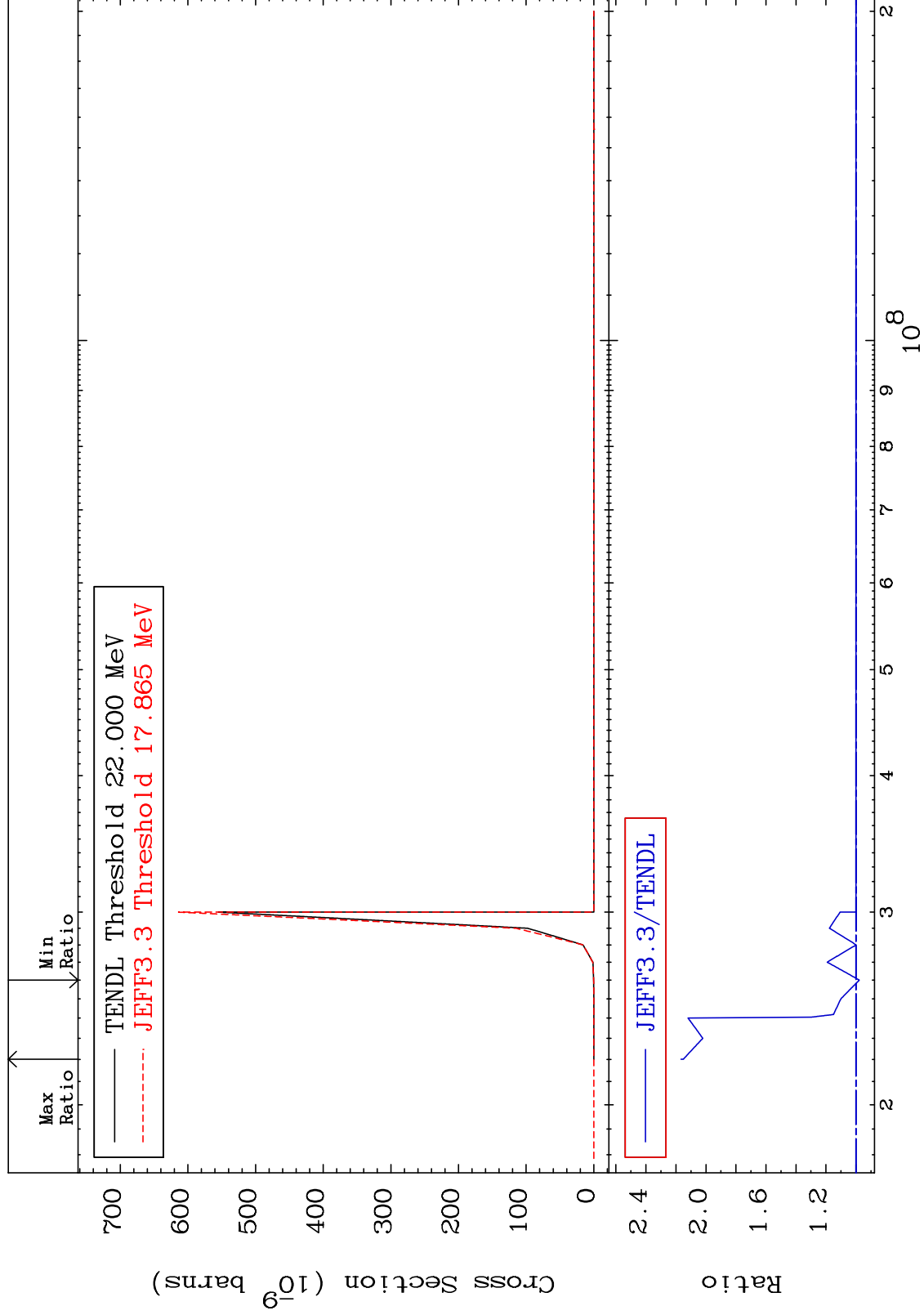


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -2.205 To 116.6 %



90

Incident Energy (eV)

55-Cs-137

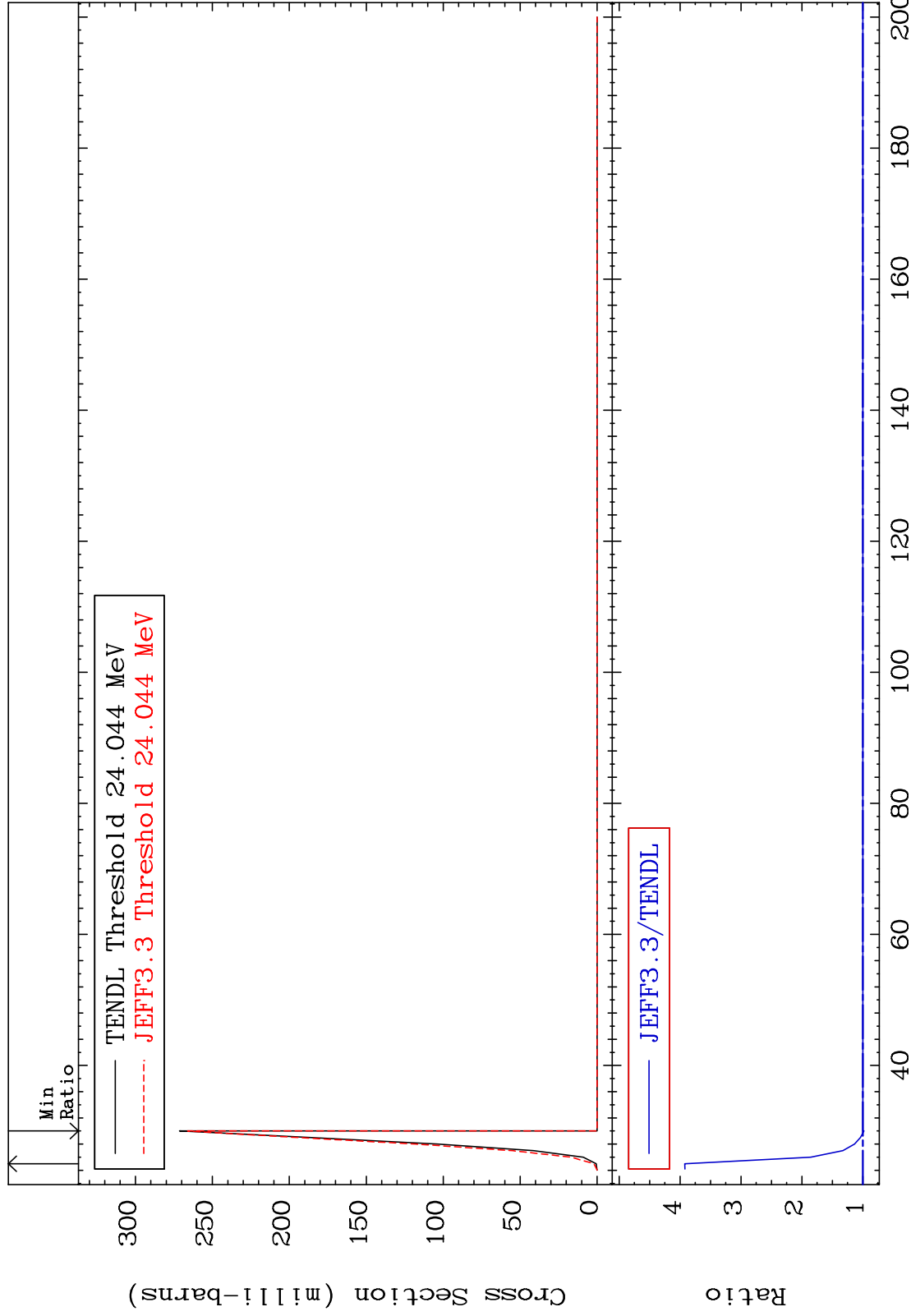
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-1.935 To 292.2 %

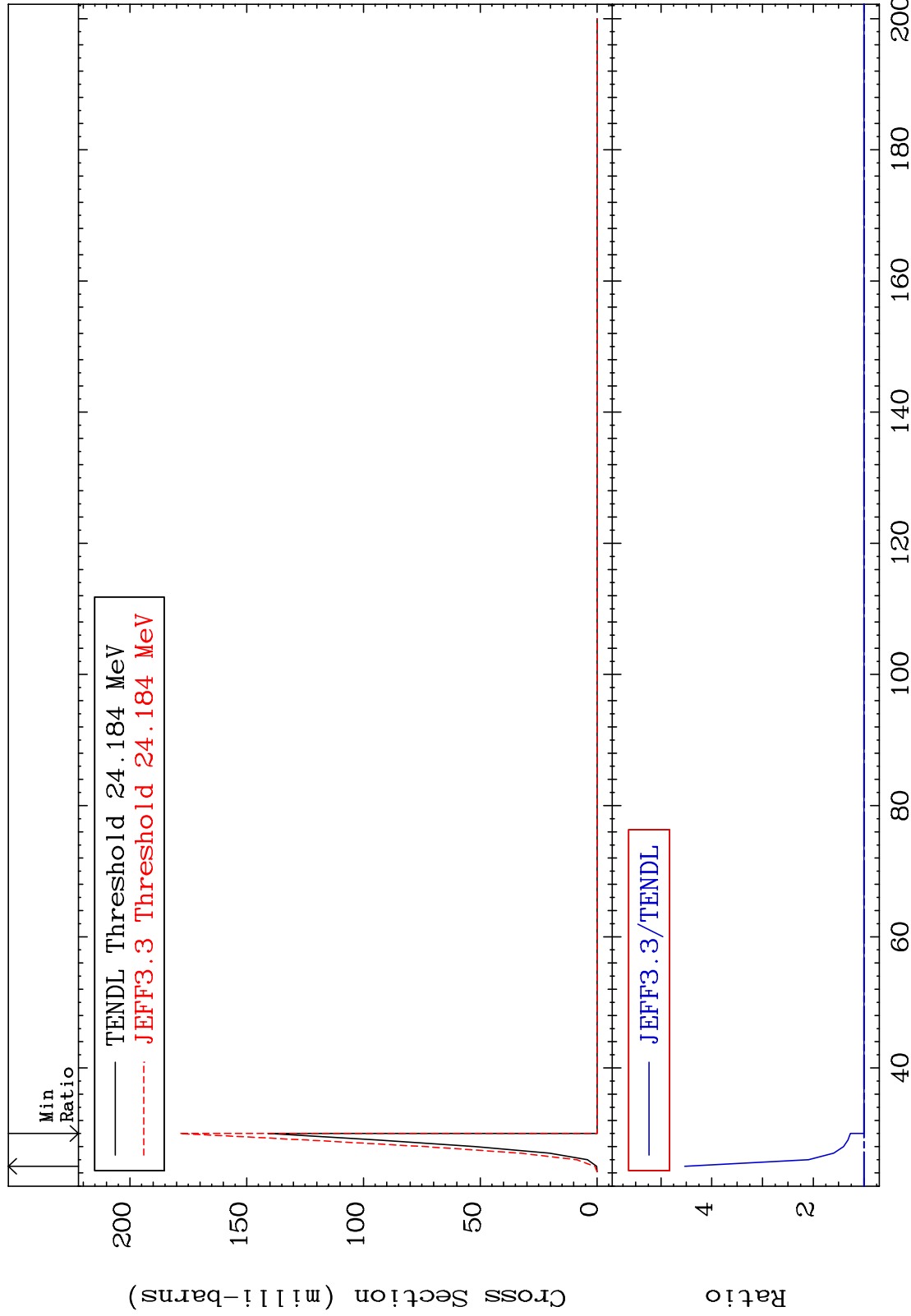


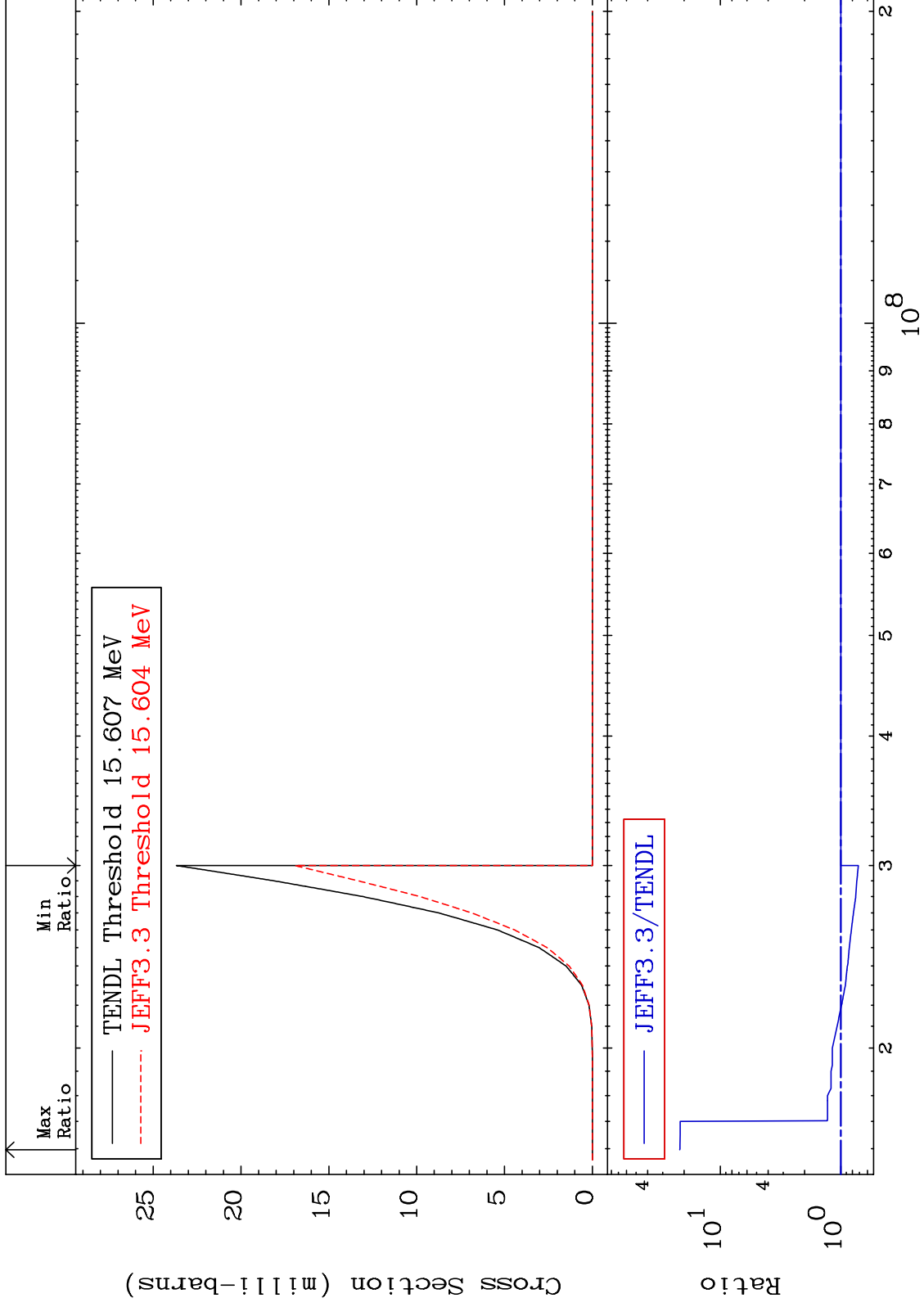
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section 0.000 To 353.0 %



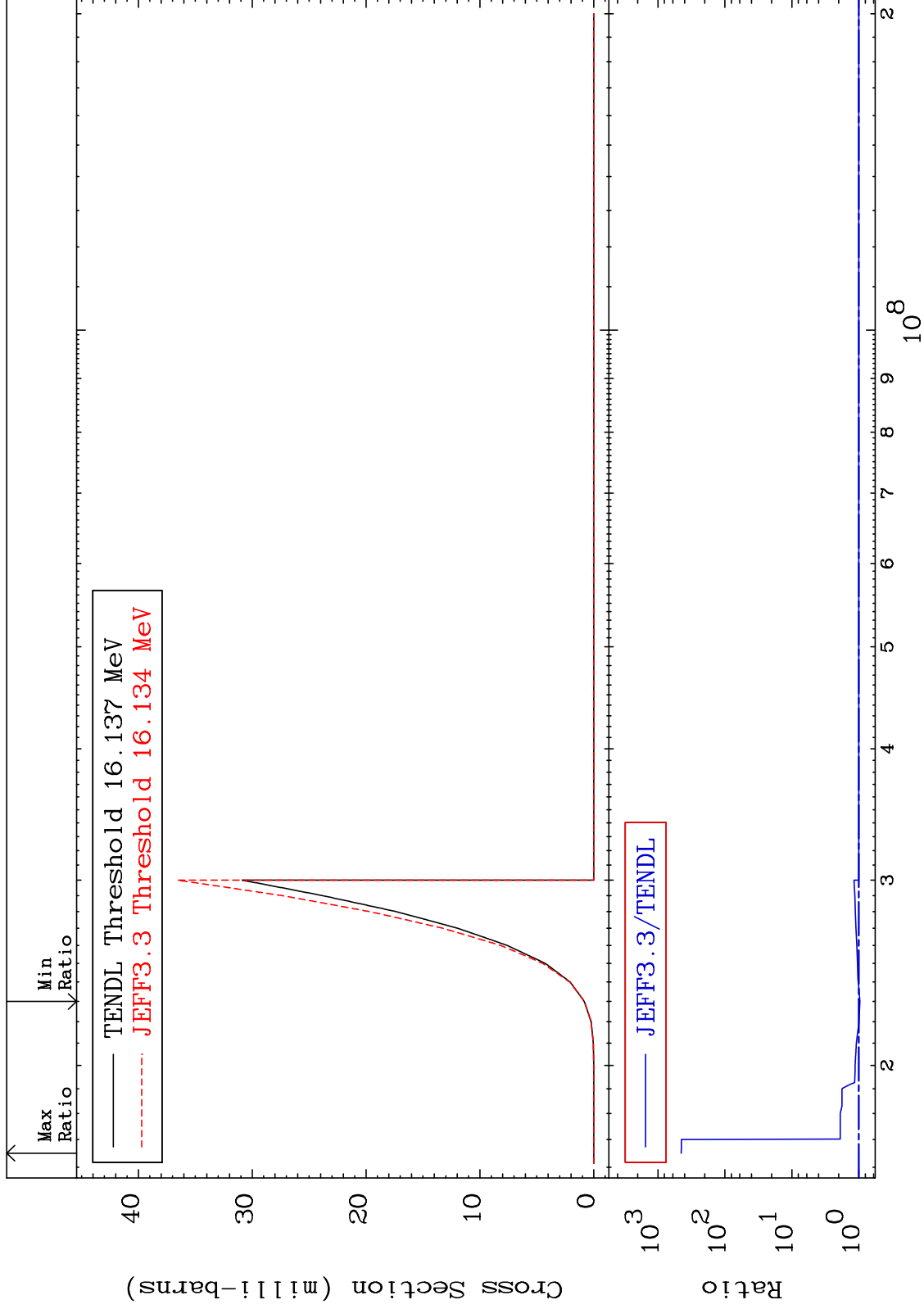


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -3.585 To 9999. %

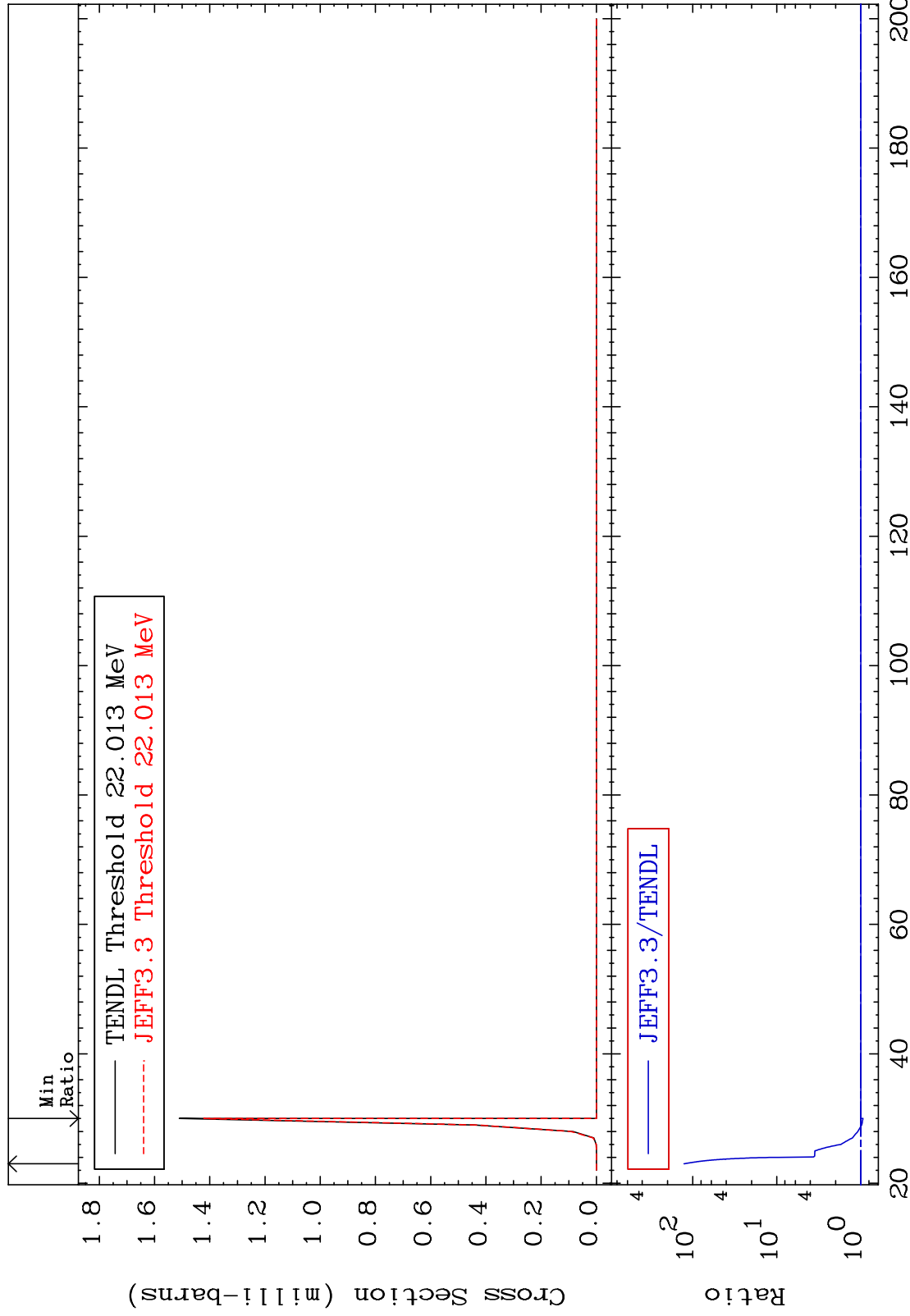


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -5.899 To 9999. %



95

Incident Energy (MeV)

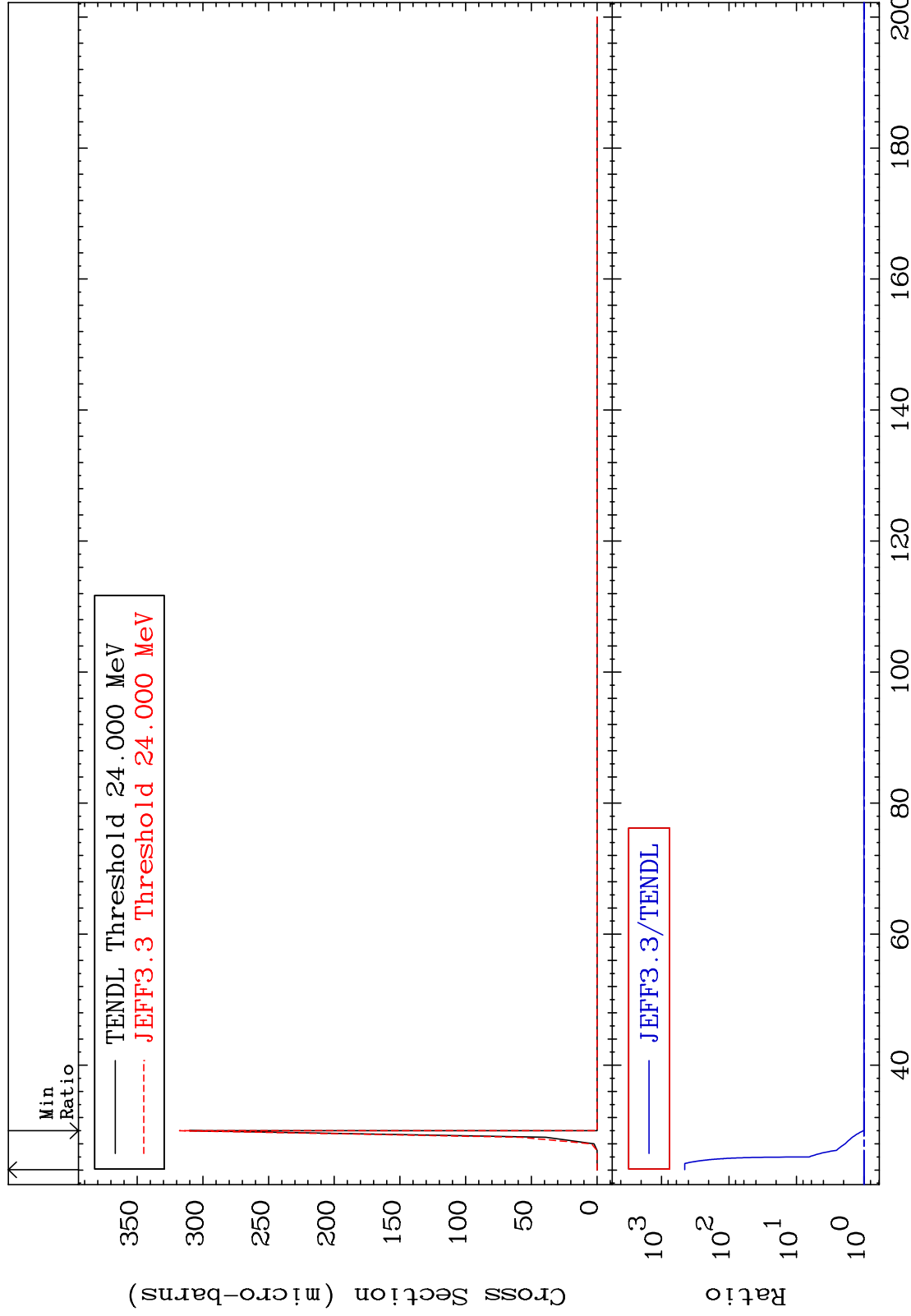
55-Cs-137

MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section 0.000 To 9999. %



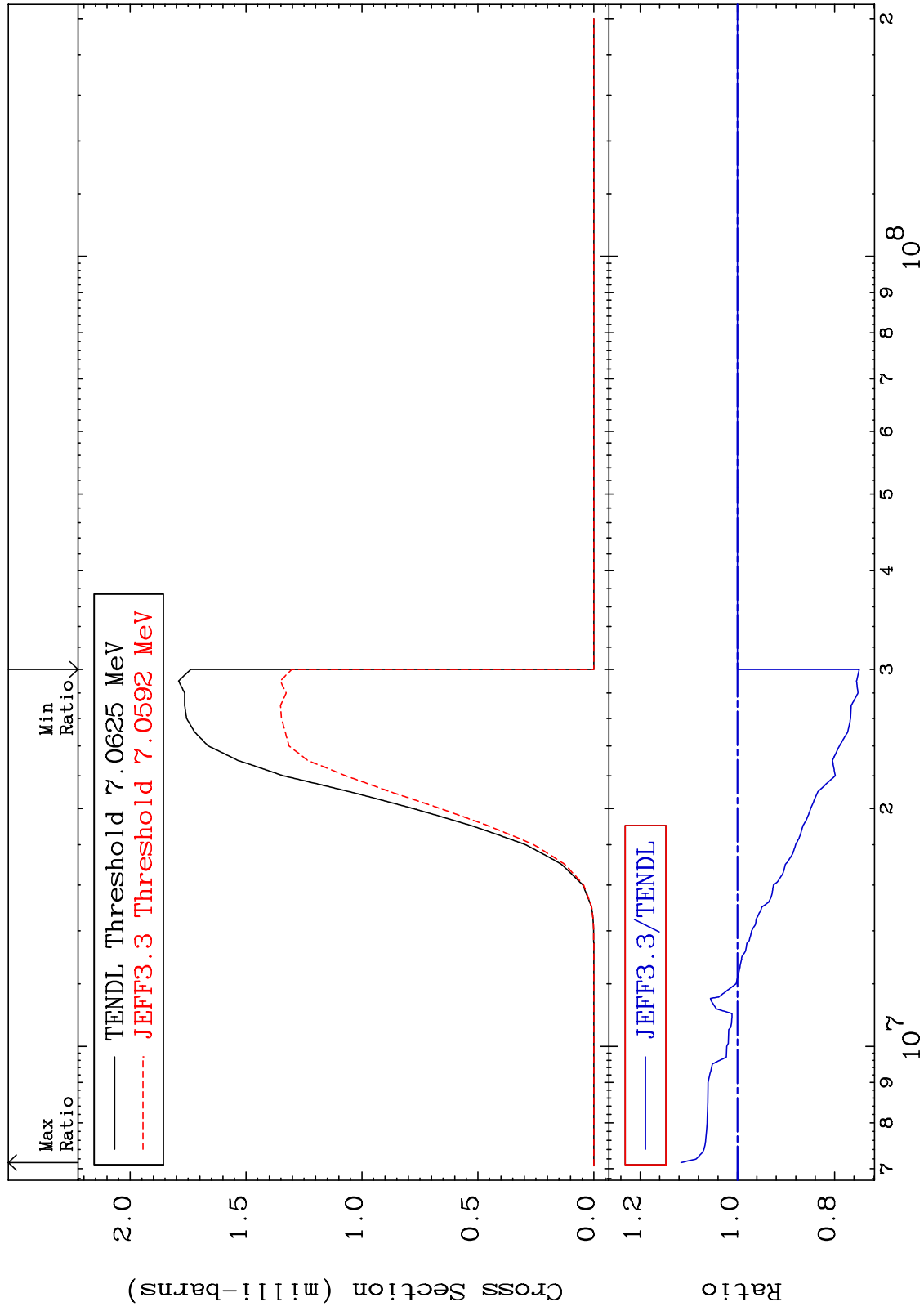
MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section

-25.08 To 11.59 %



97

Incident Energy (eV)

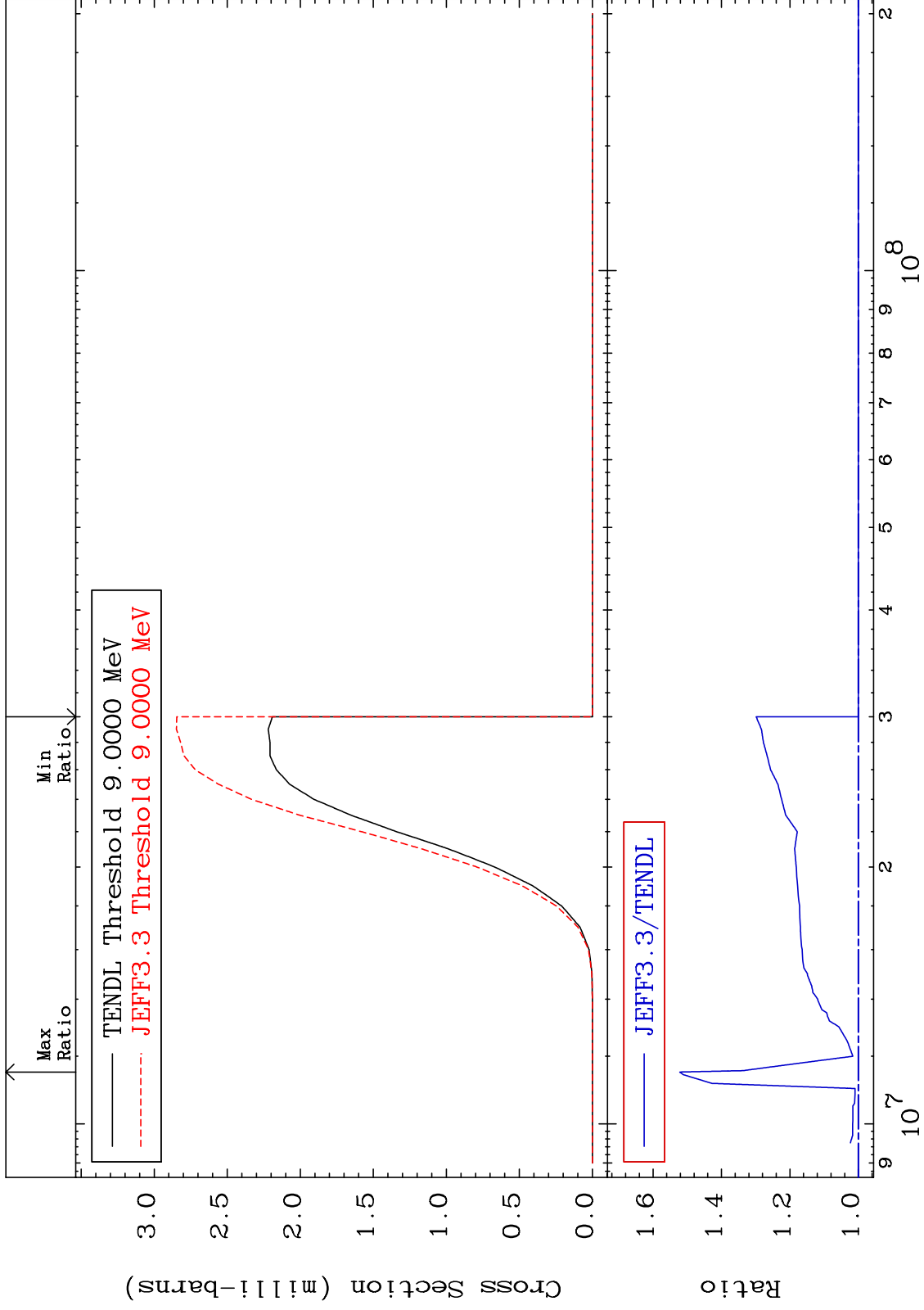
55-Cs-137

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

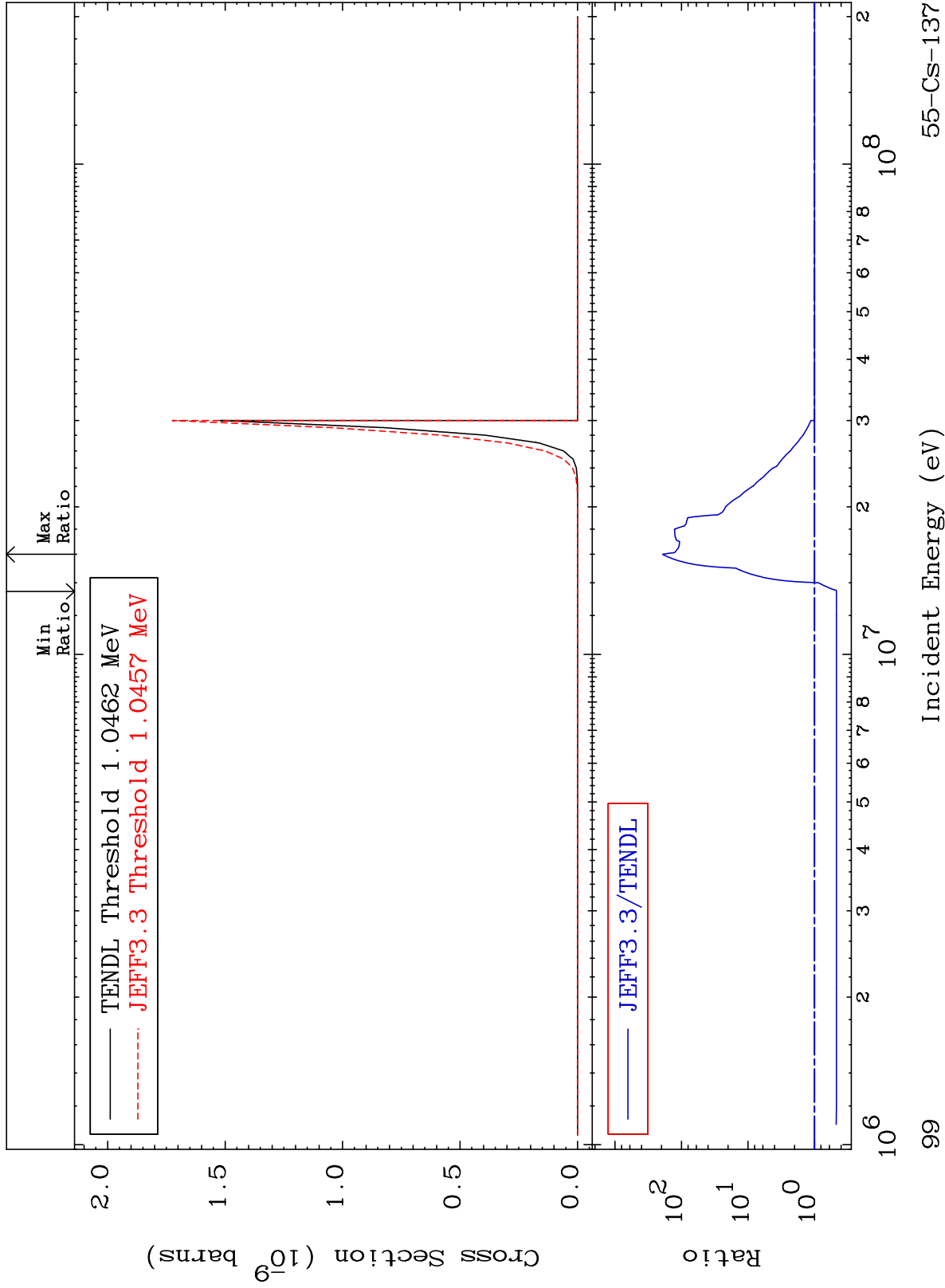
MAT 5537

(n,2α):51-Sb-130g

55-Cs-137

Radionuclide Production Cross Section

-53.16 To 9999. %

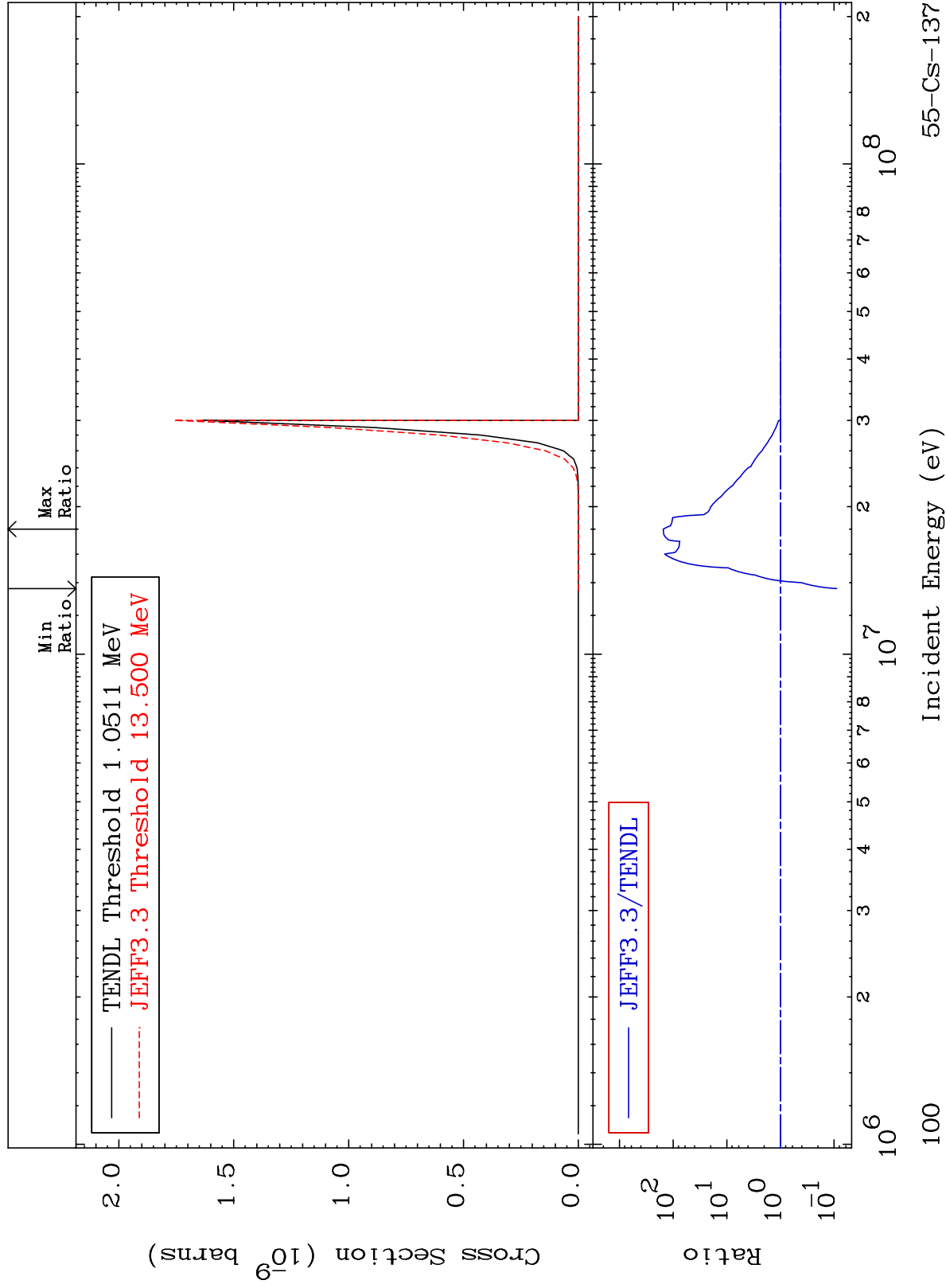


MAT 5537

(n,2α):51-Sb-130m1

55-Cs-137

Radionuclide Production Cross Section -91.11 To 9999. %

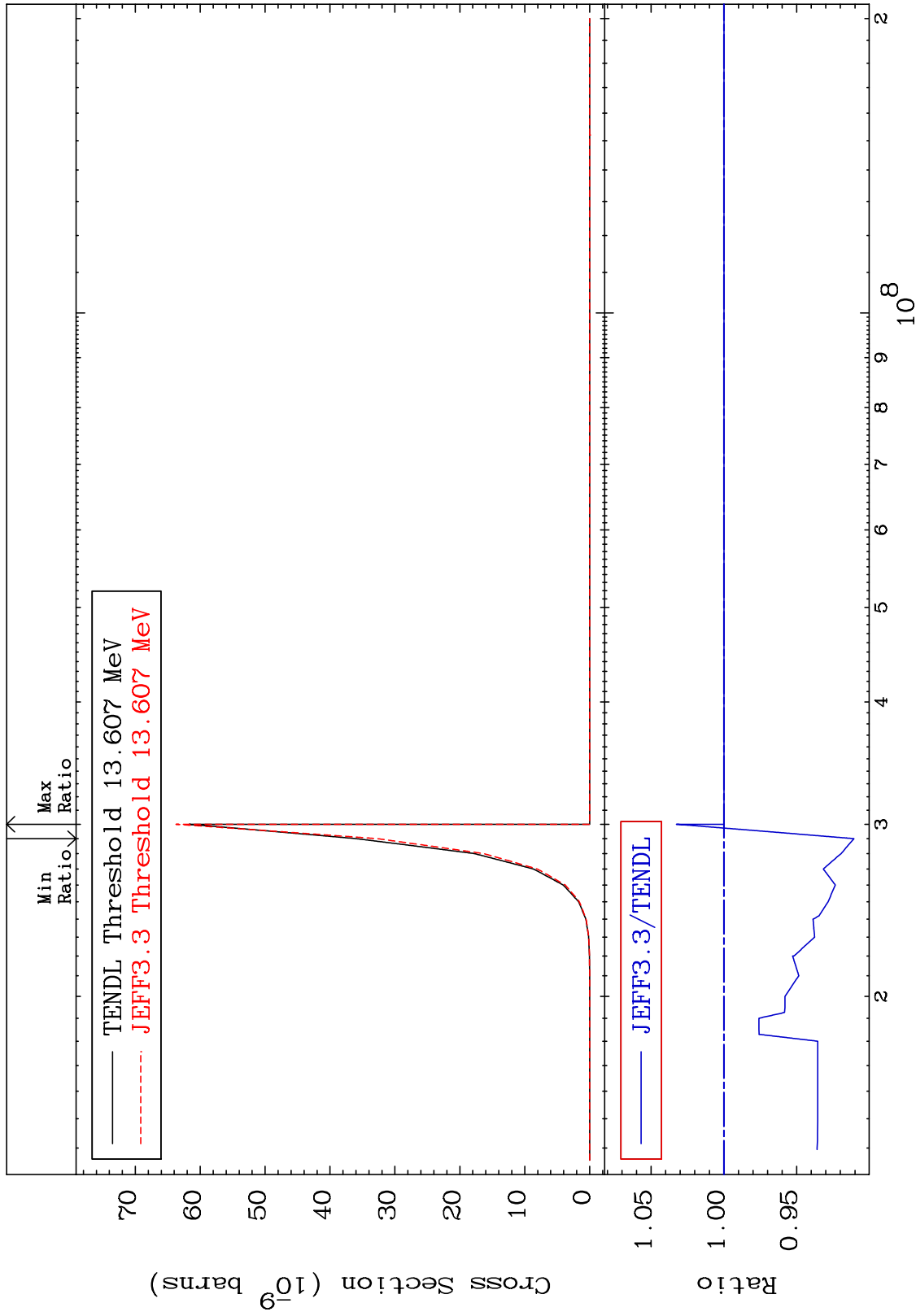


MAT 5537

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

55-Cs-137

Radionuclide Production Cross Section -8.935 To 3.254 %

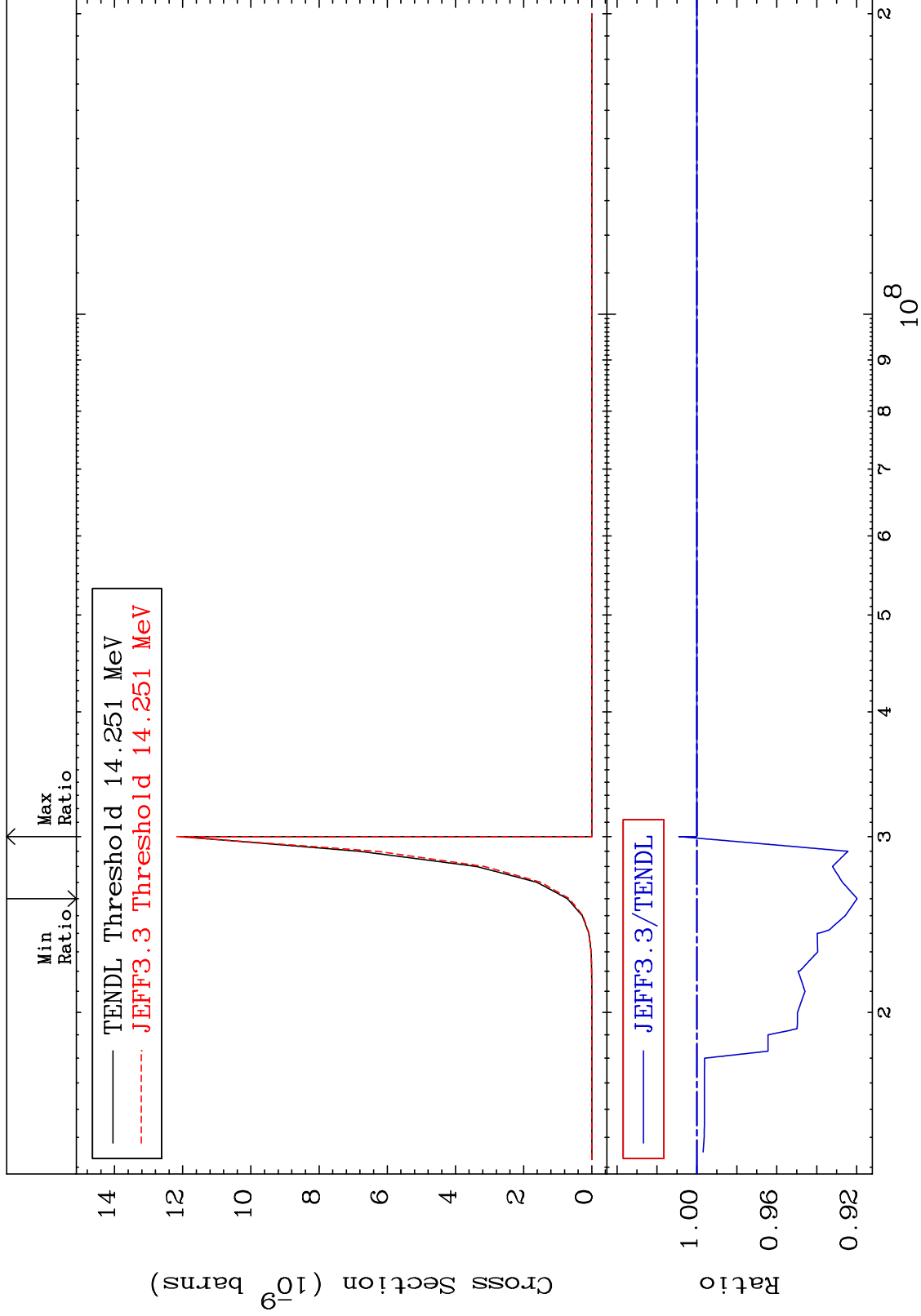


MAT 5537

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

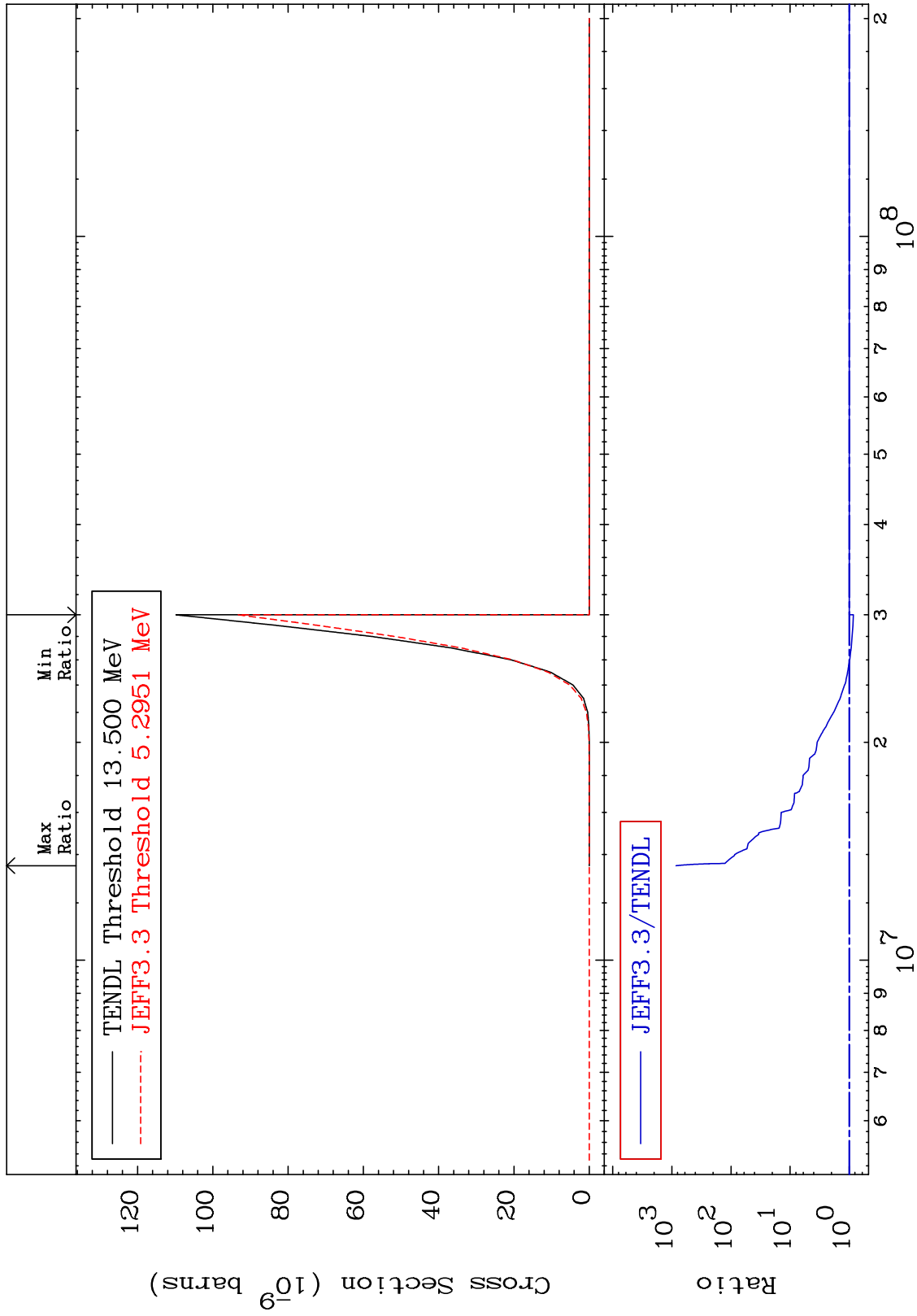
55-Cs-137

Radionuclide Production Cross Section -8.026 To 0.896 %



MAT 5537

(n, p) α :52-Te-133g 55-Cs-137
Radionuclide Production Cross Section -15.04 To 9999. %

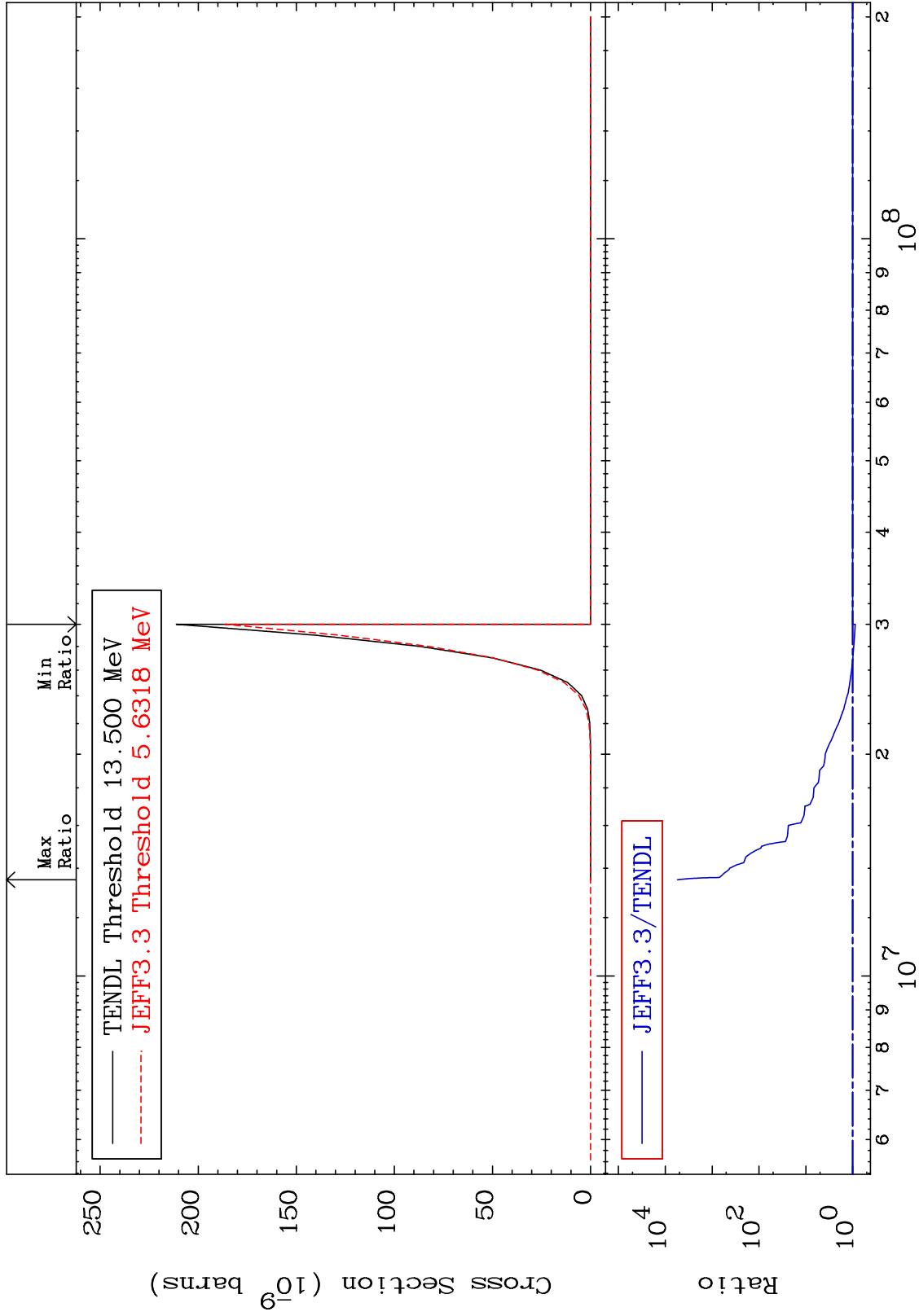


MAT 5537

(n, p) α :52-Te-133m2

55-Cs-137

Radionuclide Production Cross Section -11.77 To 9999. %



104

Incident Energy (eV)

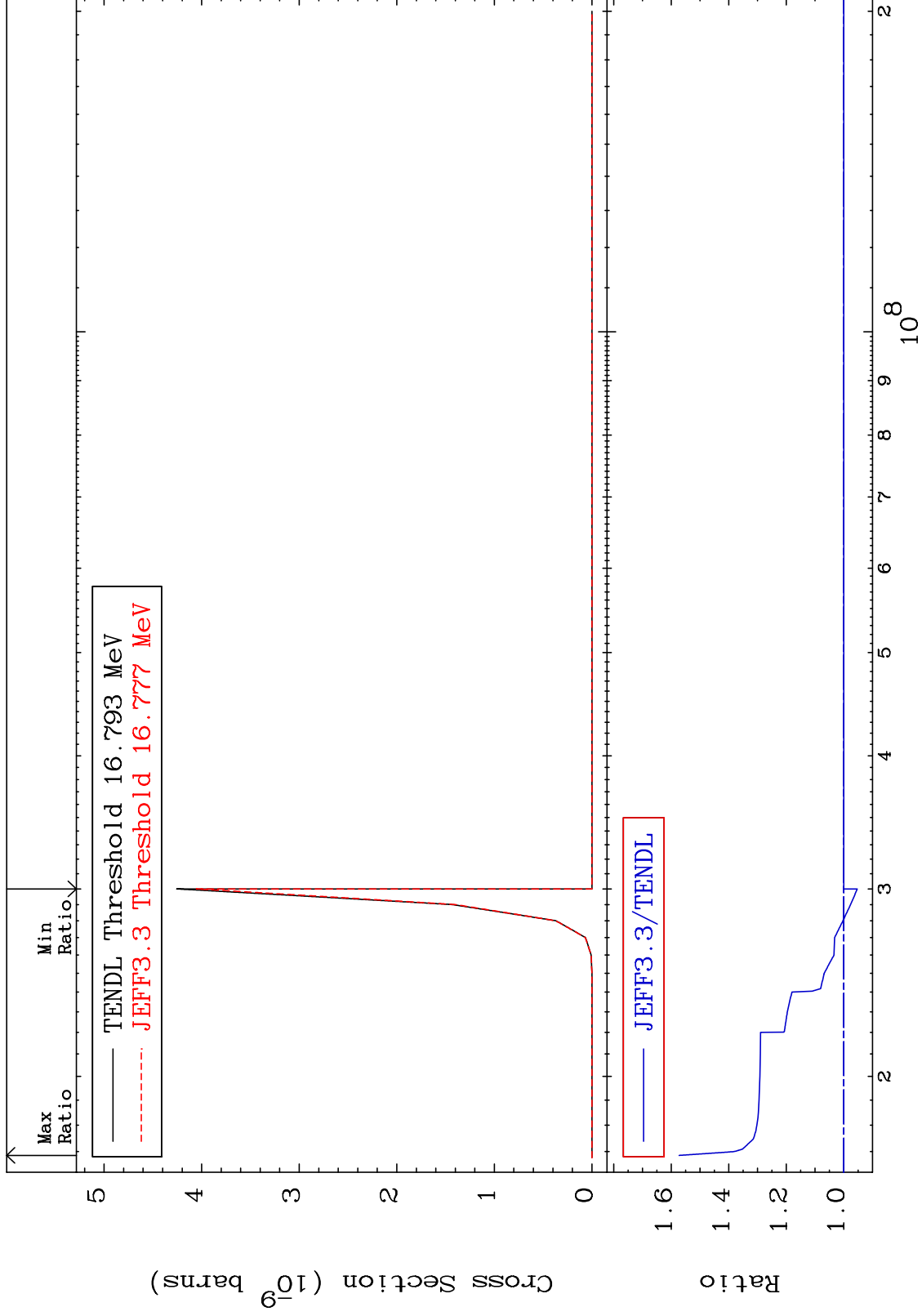
55-Cs-137

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 %

