

Program Complot
(Version 2018-1)

by

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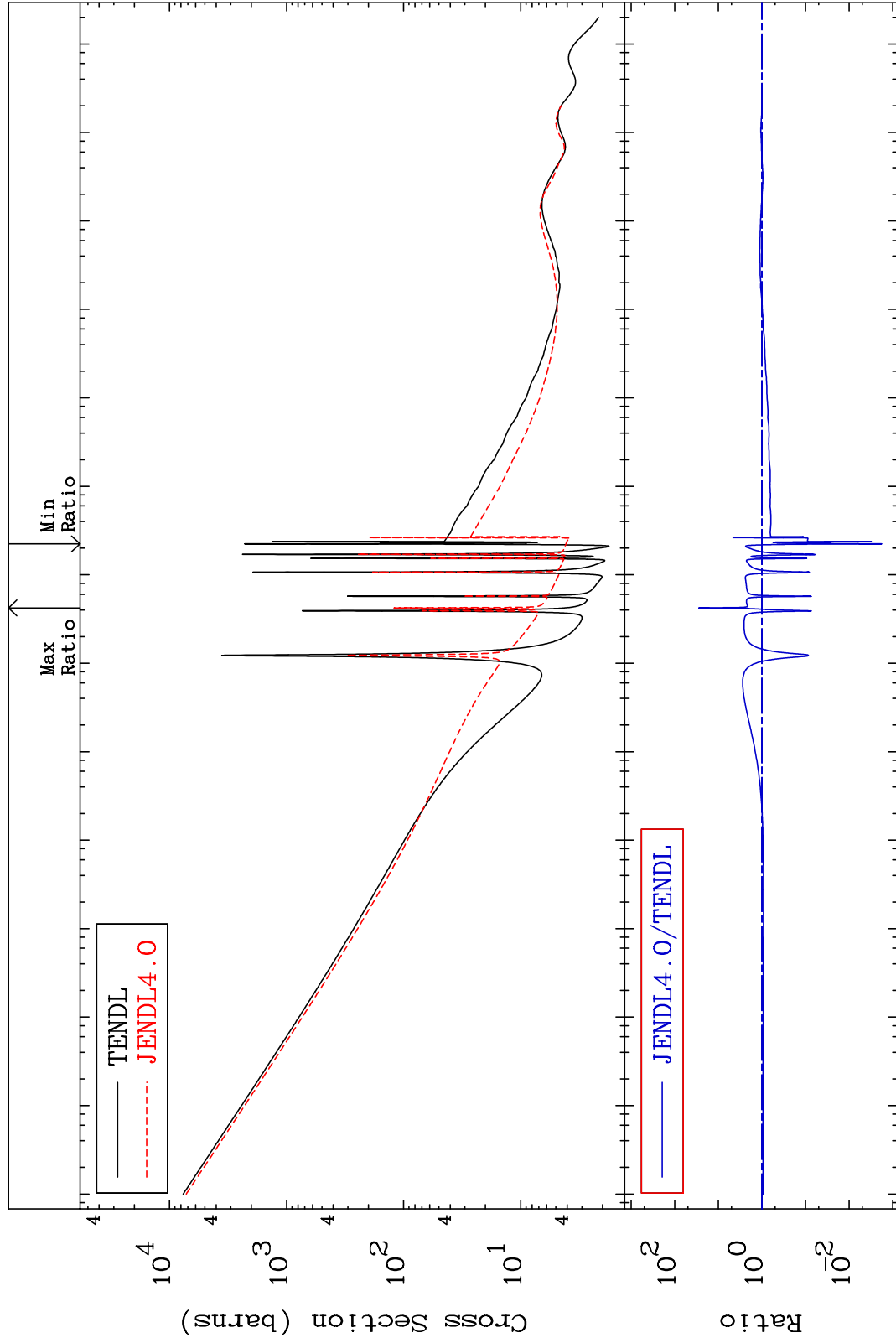
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5528

Total
Cross Section

55-Cs-134
-99.82 To 2715. %



JENDL4.0/TENDL

Incident Energy (eV)

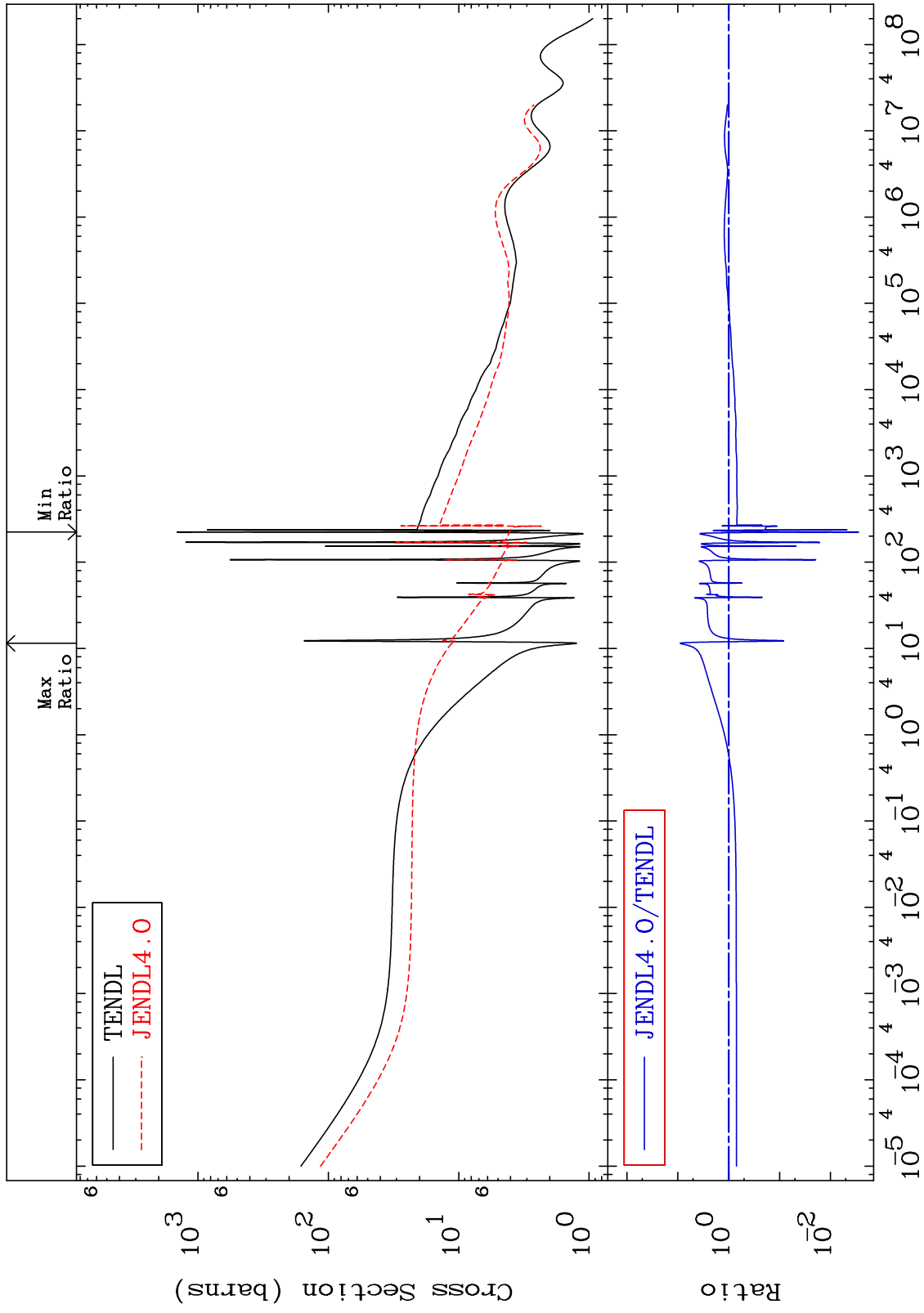
55-Cs-134

MAT 5528

Elastic
Cross Section

55-Cs-134

-99.72 To 805.1 %



Incident Energy (eV)

55-Cs-134

2

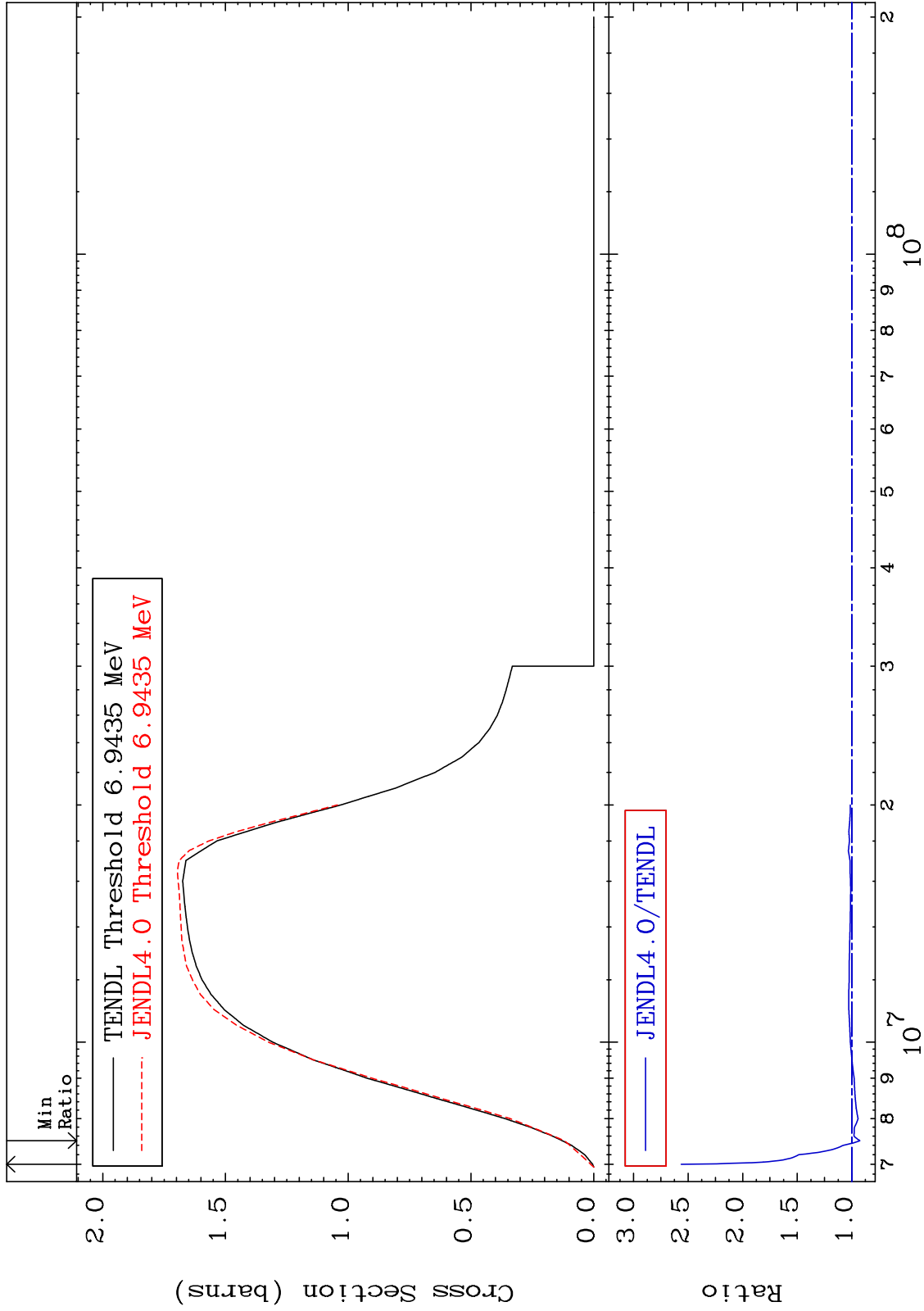
MAT 5528

(n,2n)

55-Cs-134

Cross Section

-7.455 To 156.3 %



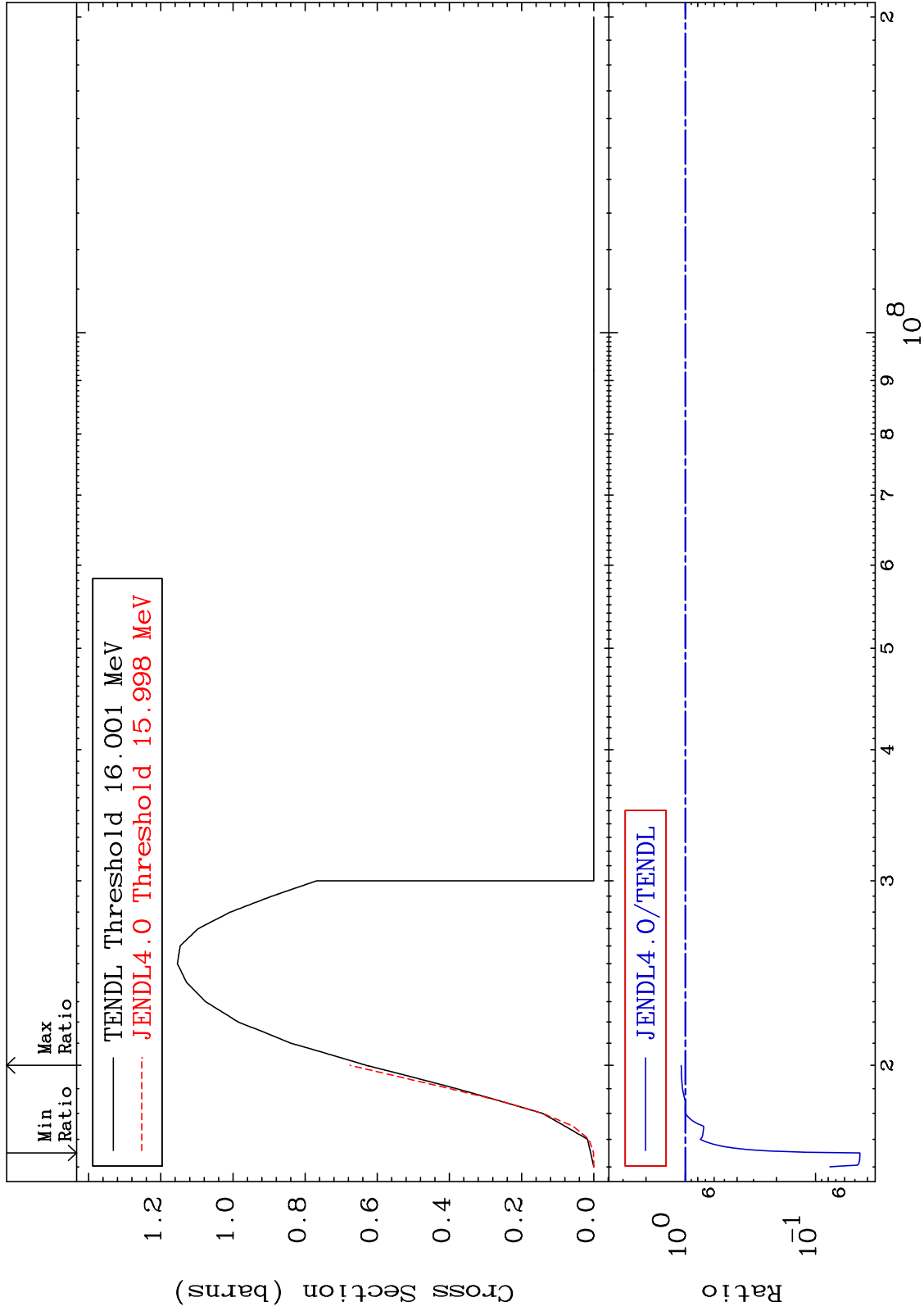
MAT 5528

(n,3n)

55-Cs-134

Cross Section

-95.43 To 7.288 %

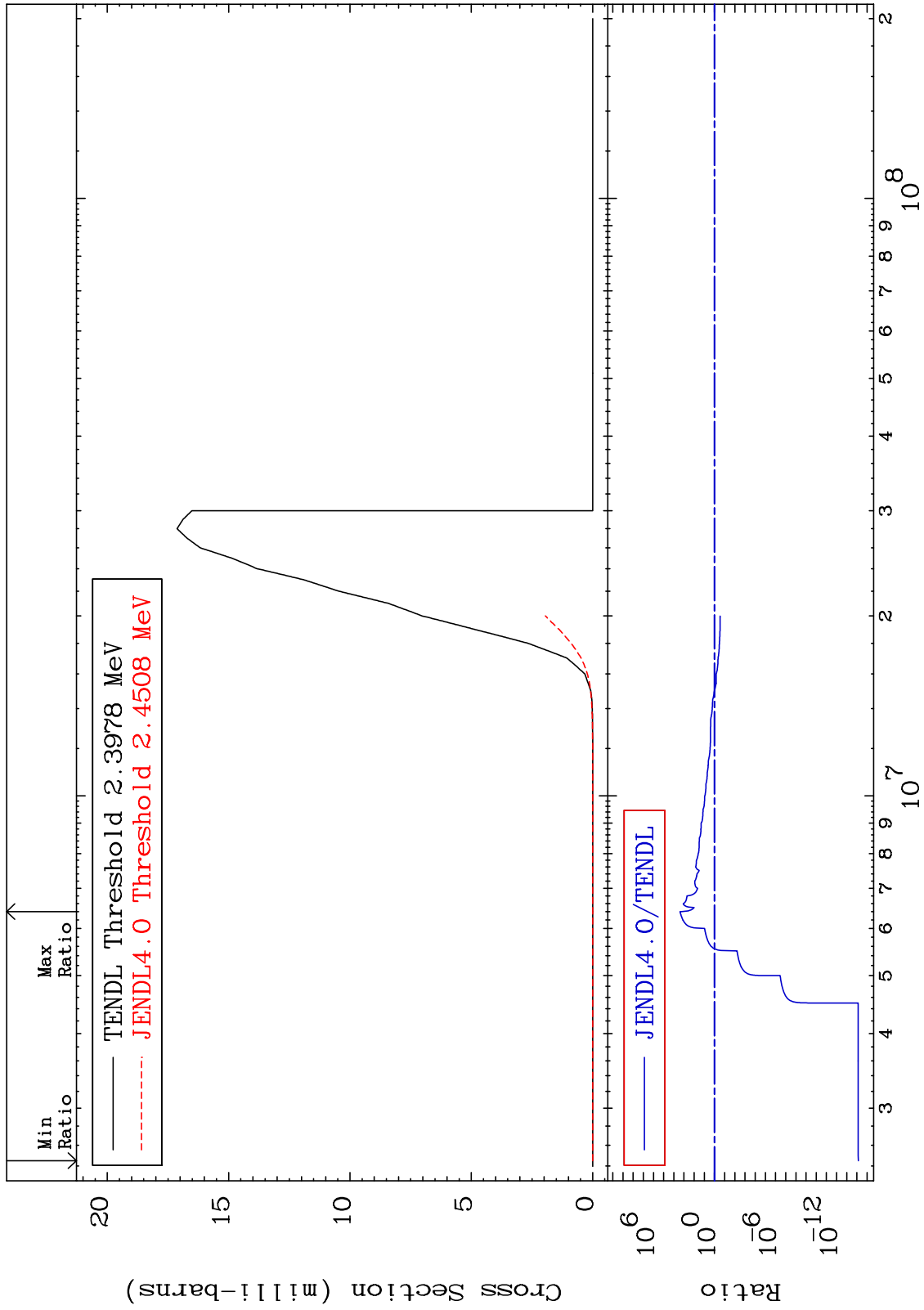


5

Incident Energy (eV)

55-Cs-134

MAT 5528 $(n, n') \alpha$ 55-Cs-134
 Cross Section -100.0 To 9999. %



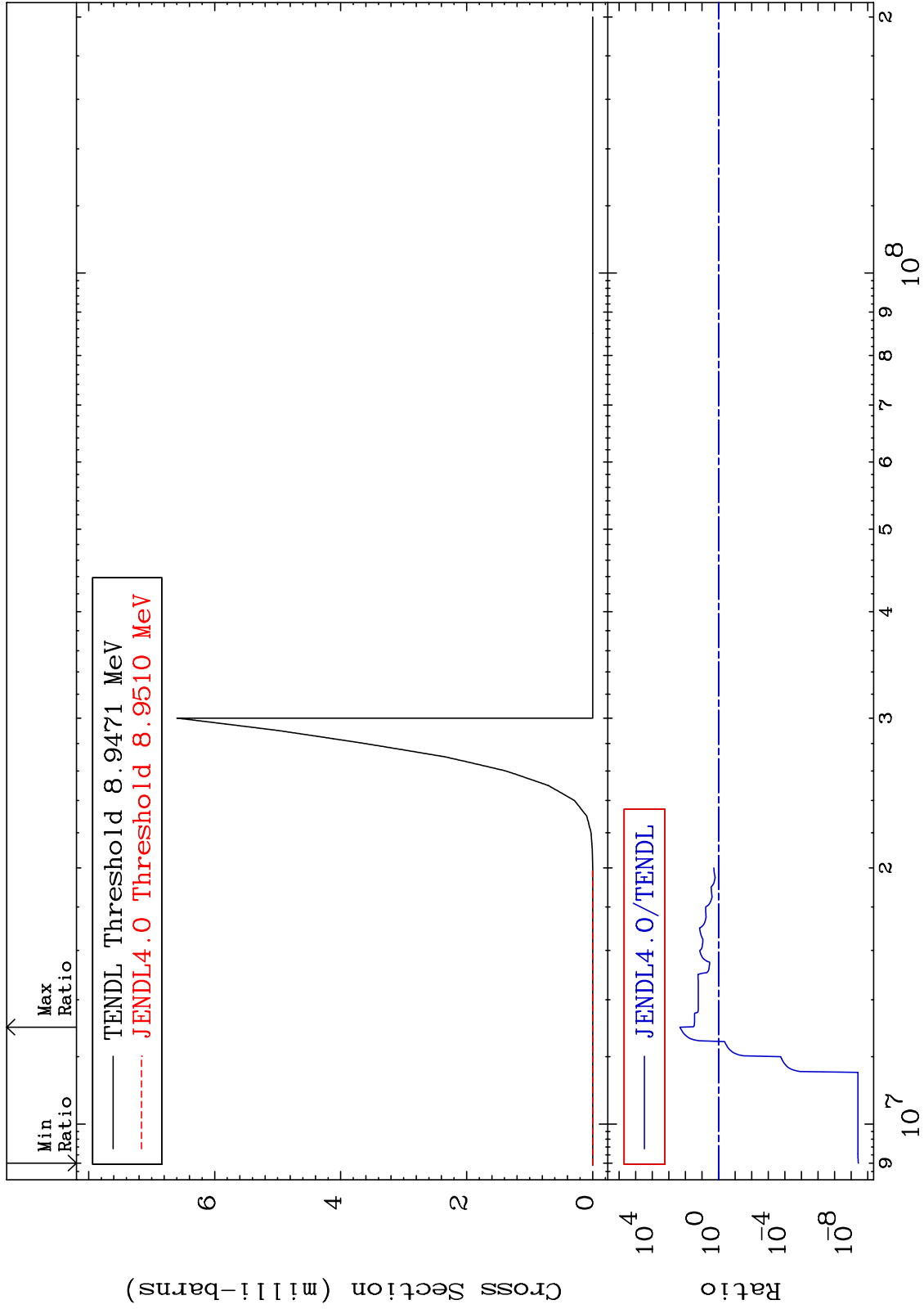
MAT 5528

(n,2n) α

55-Cs-134

Cross Section

-100.0 To 9999. %



7

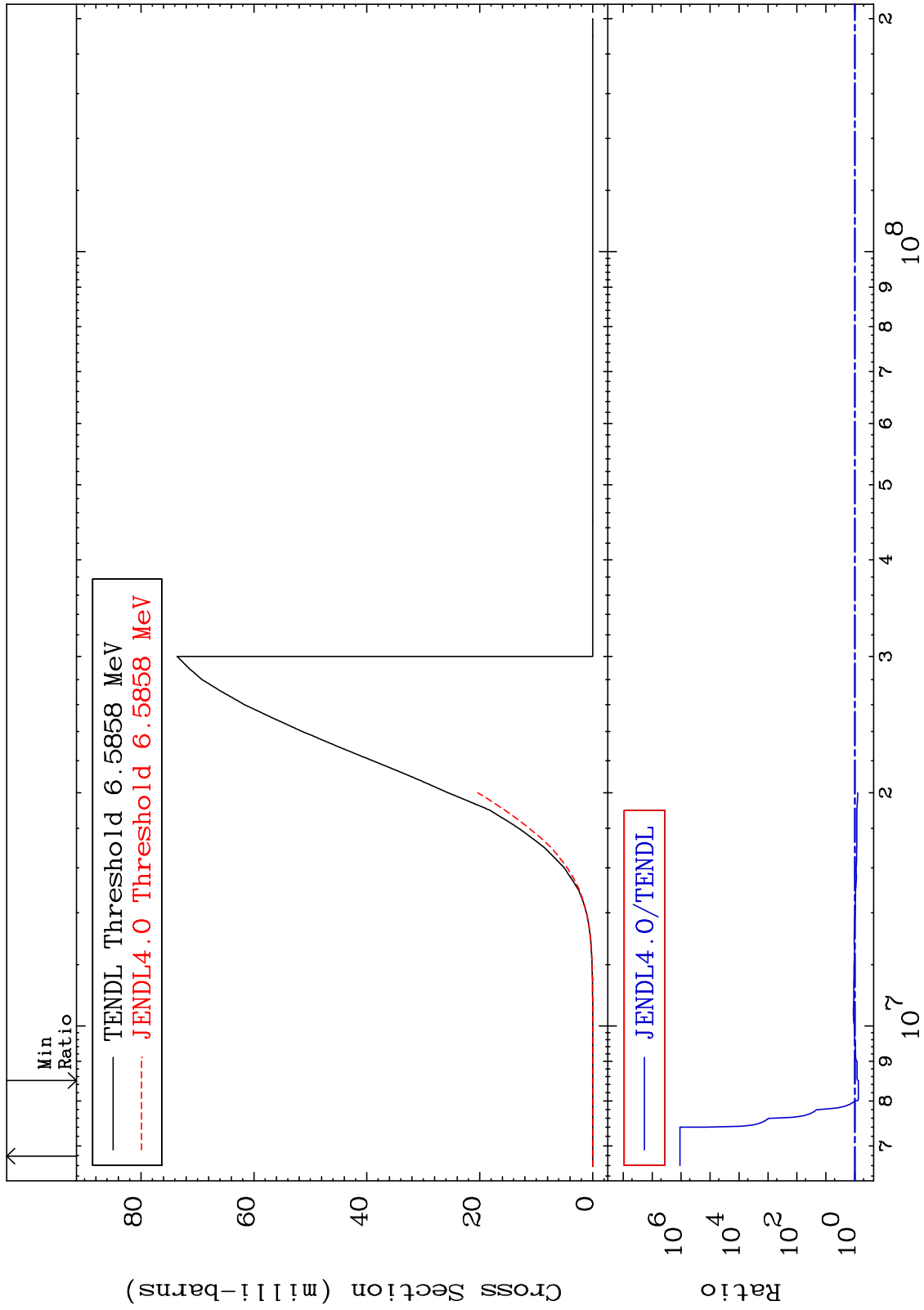
Incident Energy (eV)

55-Cs-134

MAT 5528

(n,n') p
Cross Section

55-Cs-134
-24.79 To 9999. %



8

Incident Energy (eV)

55-Cs-134

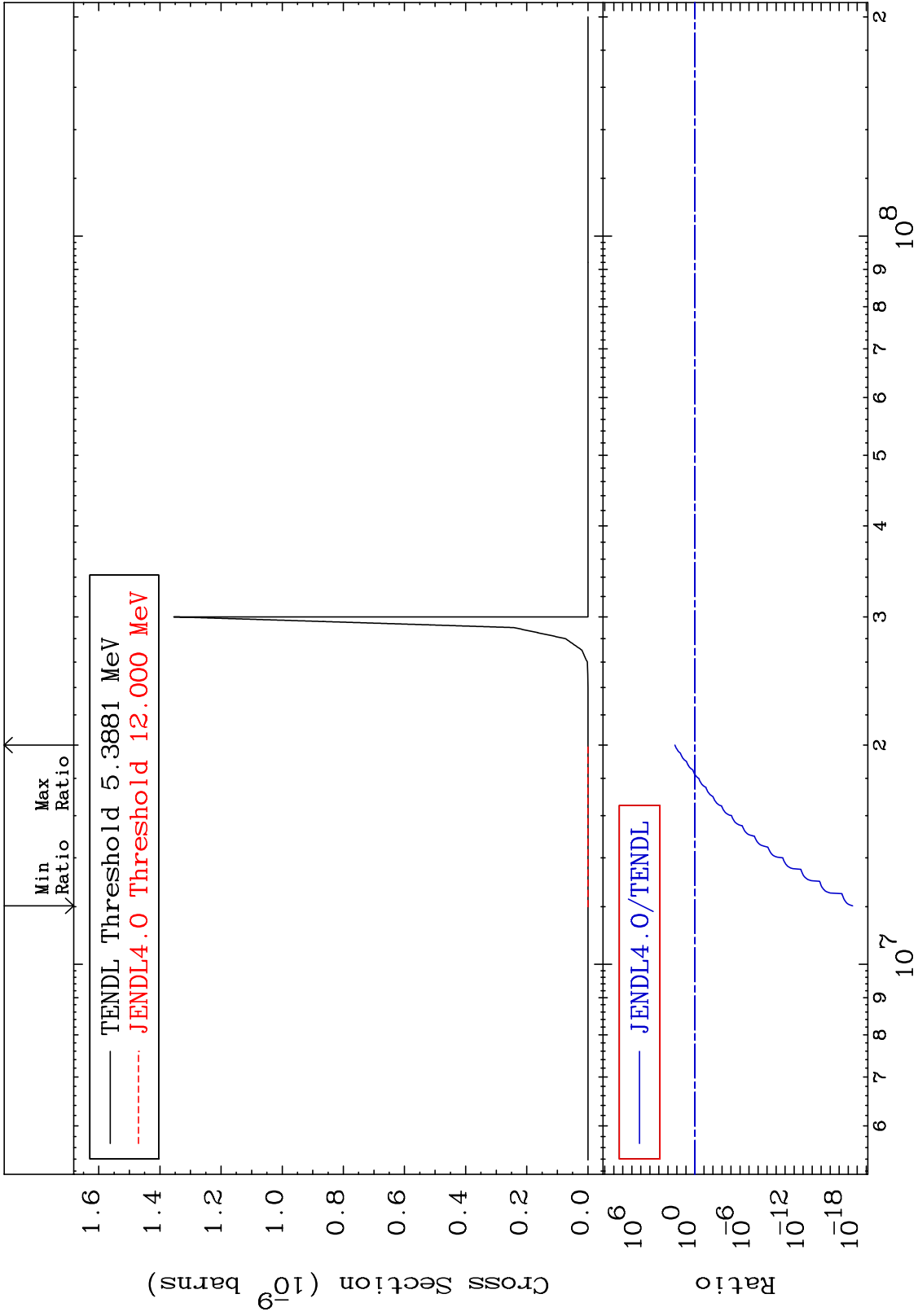
MAT 5528

(n, n') 2α

55-Cs-134

Cross Section

-100.0 To 9999. %



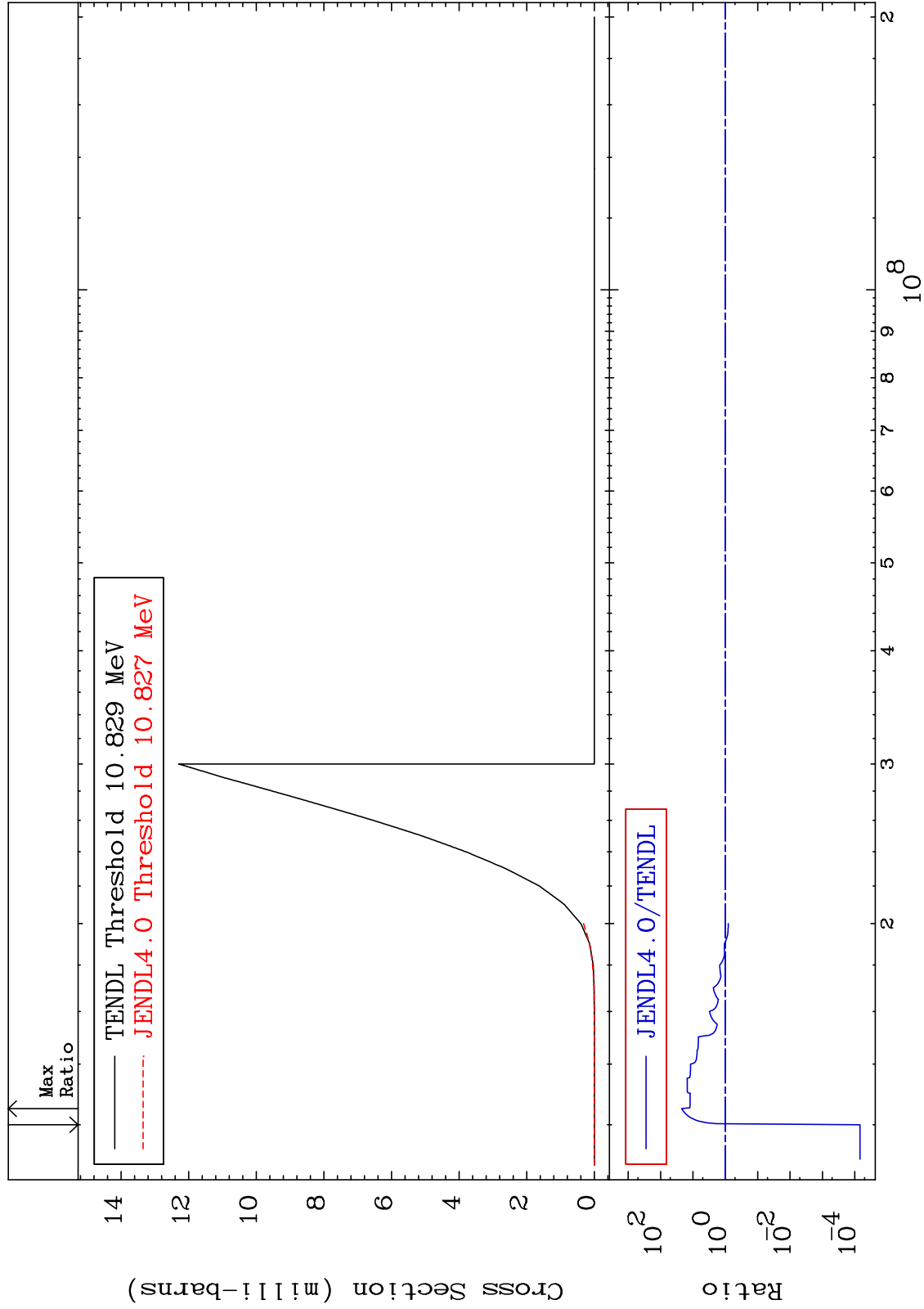
MAT 5528

(n,n') d

55-Cs-134

Cross Section

-99.99 To 2136. %



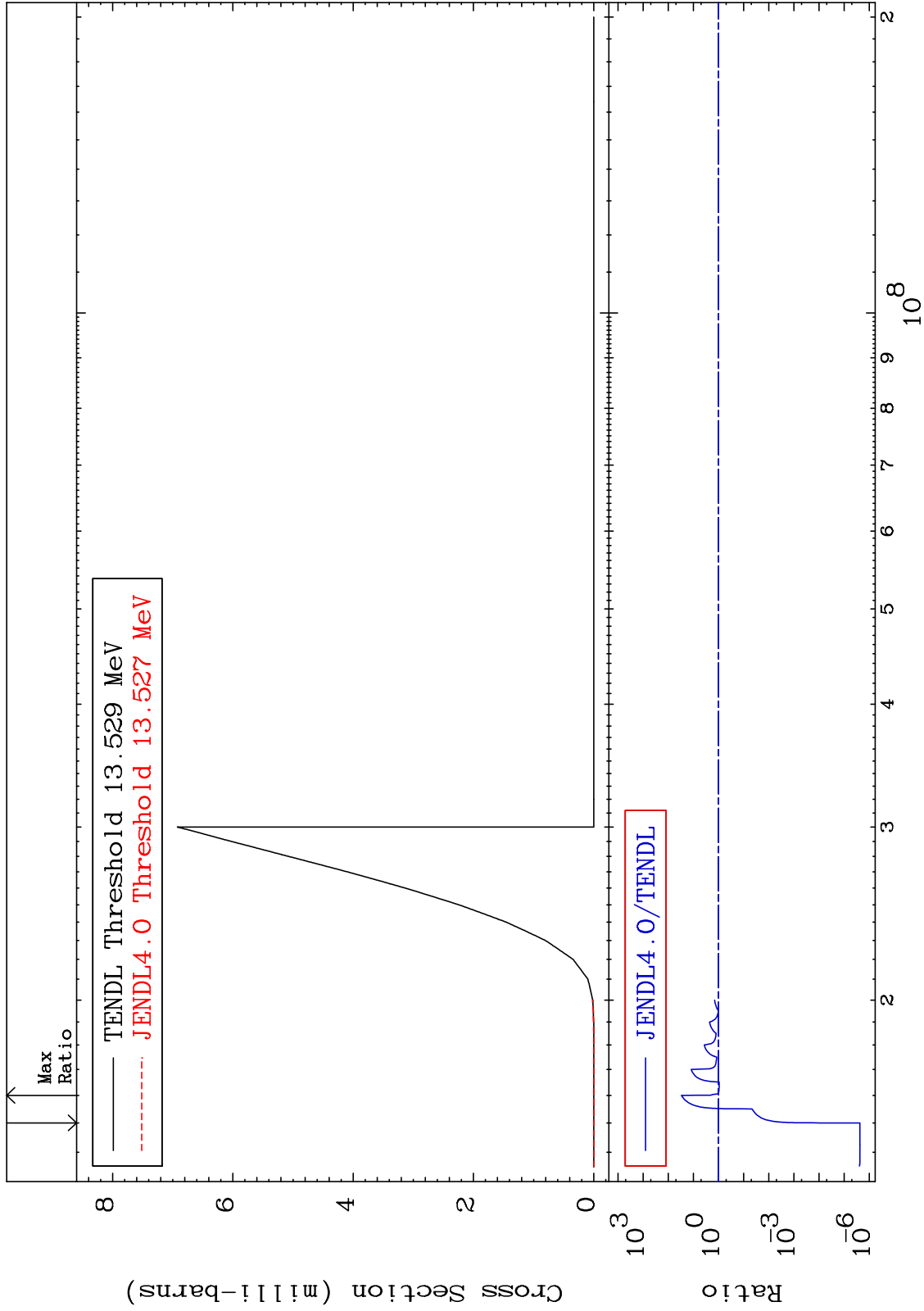
MAT 5528

(n,n') t

55-Cs-134

Cross Section

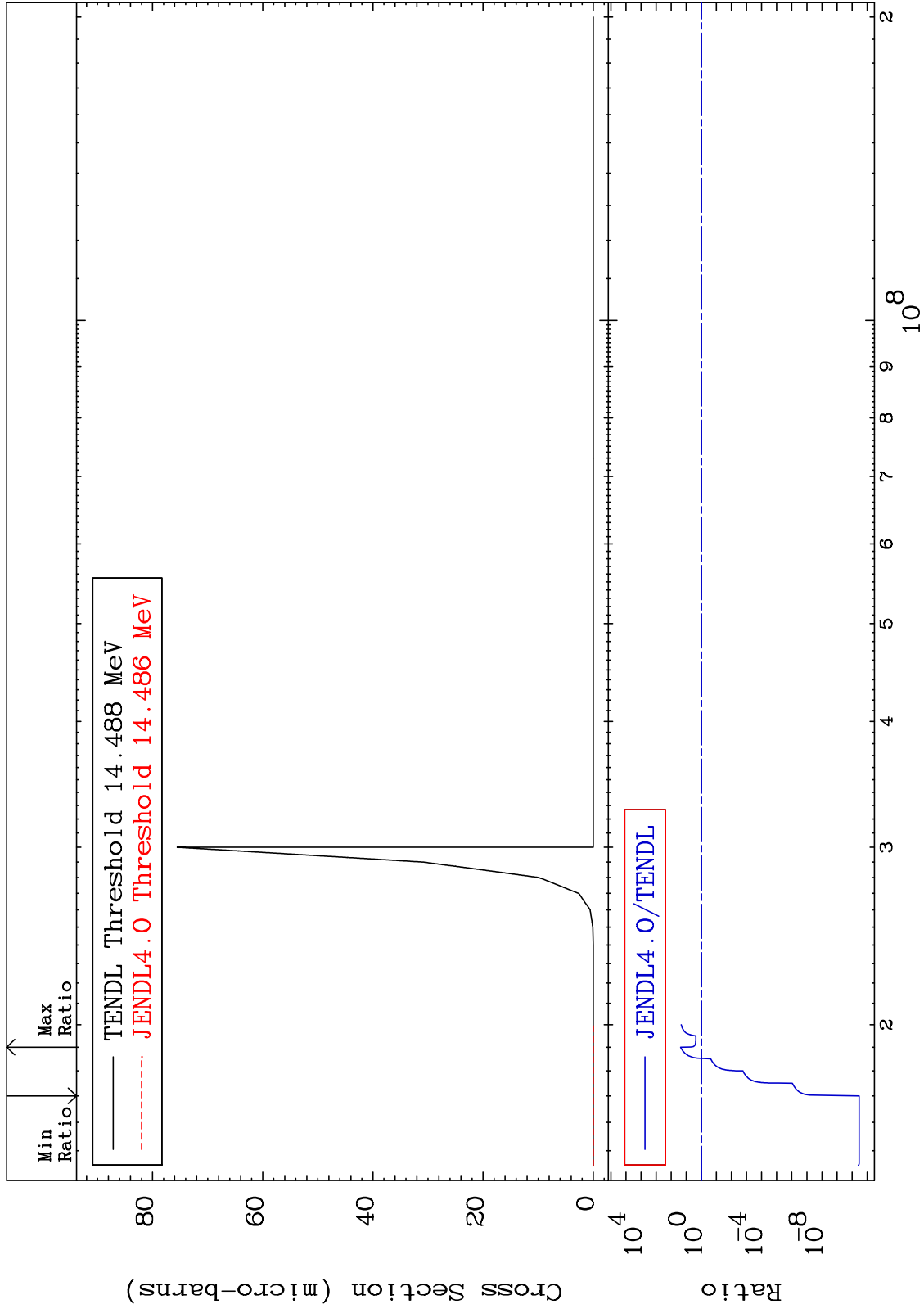
-100.0 To 2960. %



MAT 5528

(n, n') He-3
Cross Section

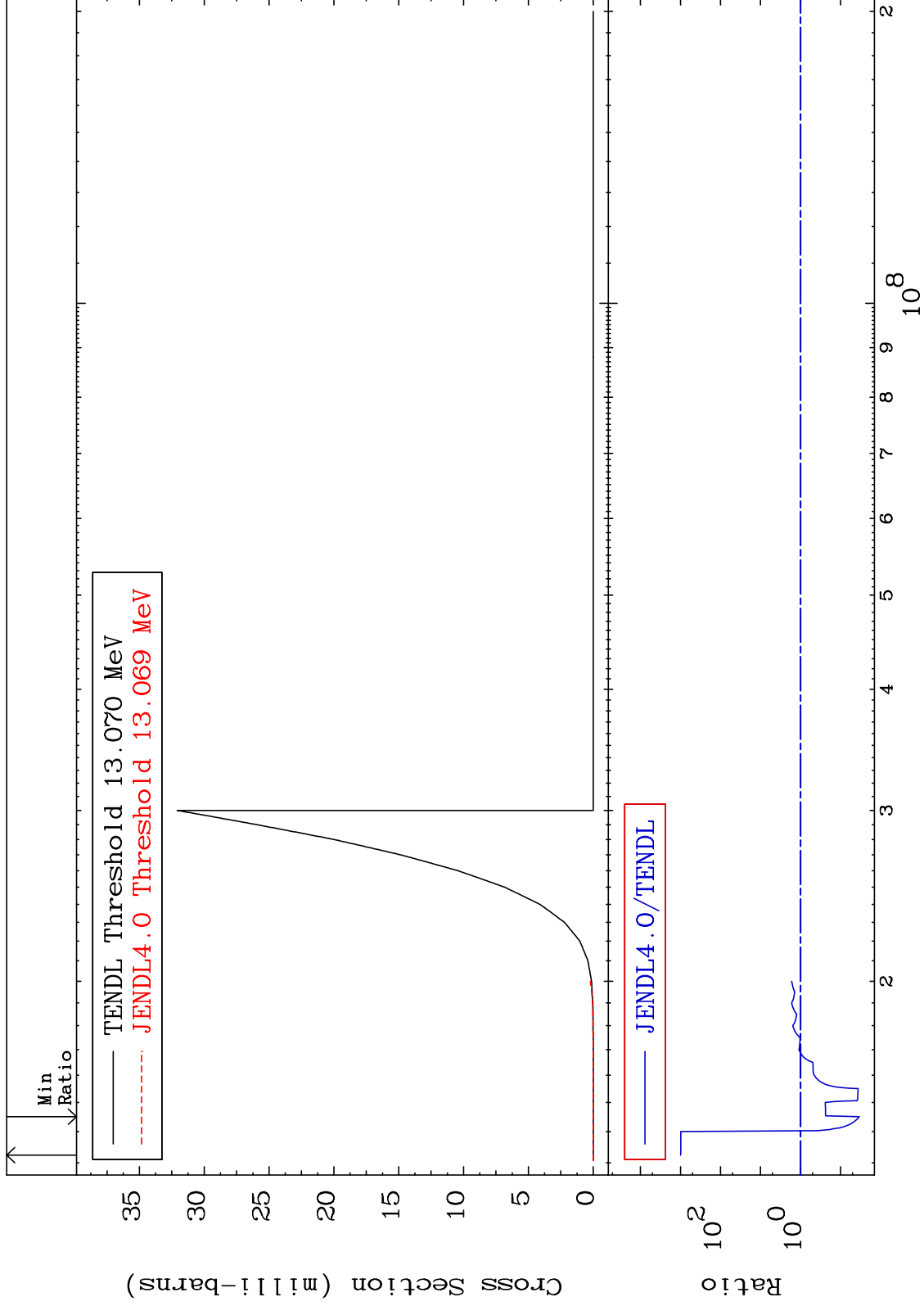
55-Cs-134
-100.0 To 2252. %

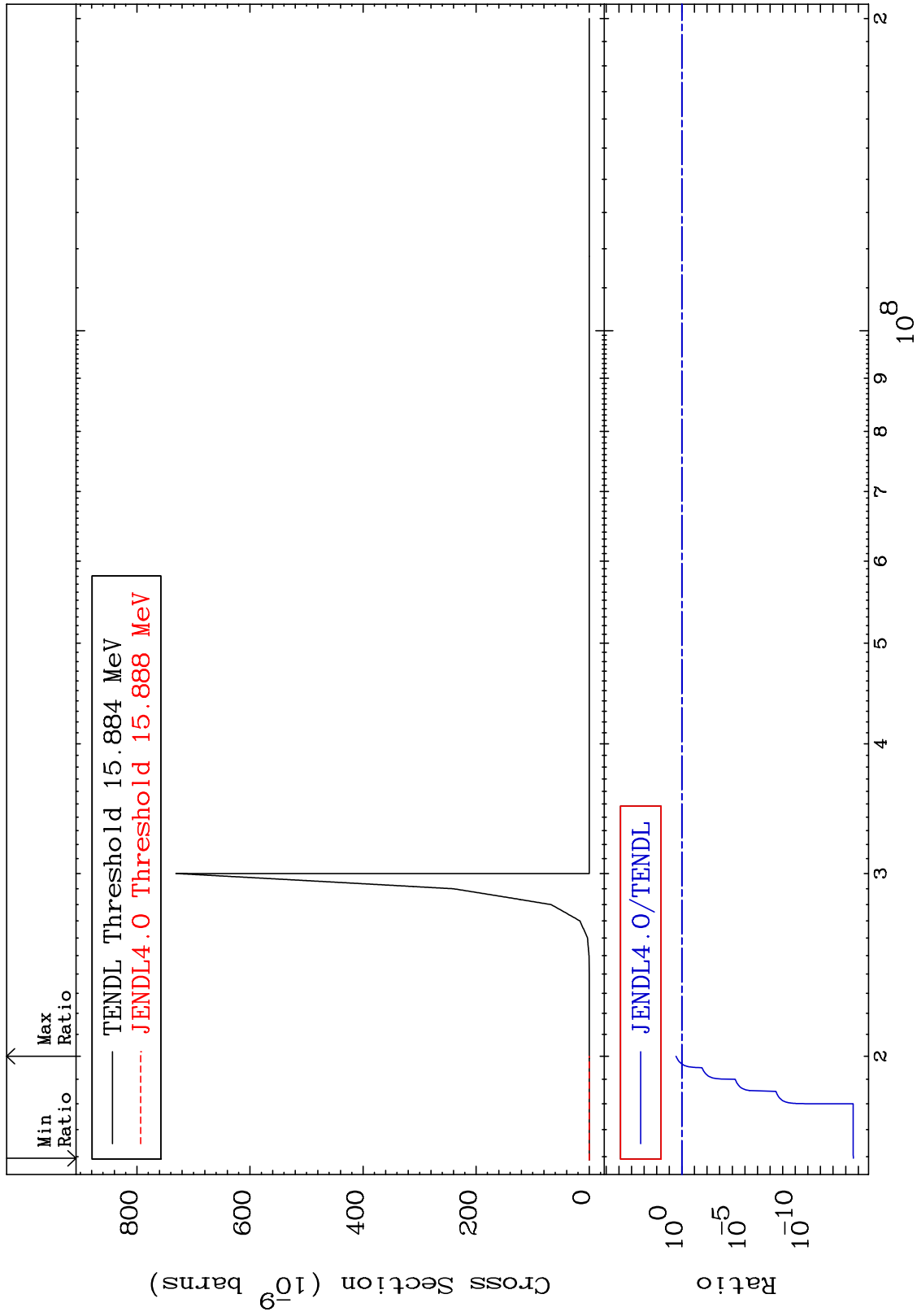


MAT 5528

(n,2n) p
Cross Section

55-Cs-134
-96.57 To 9999. %

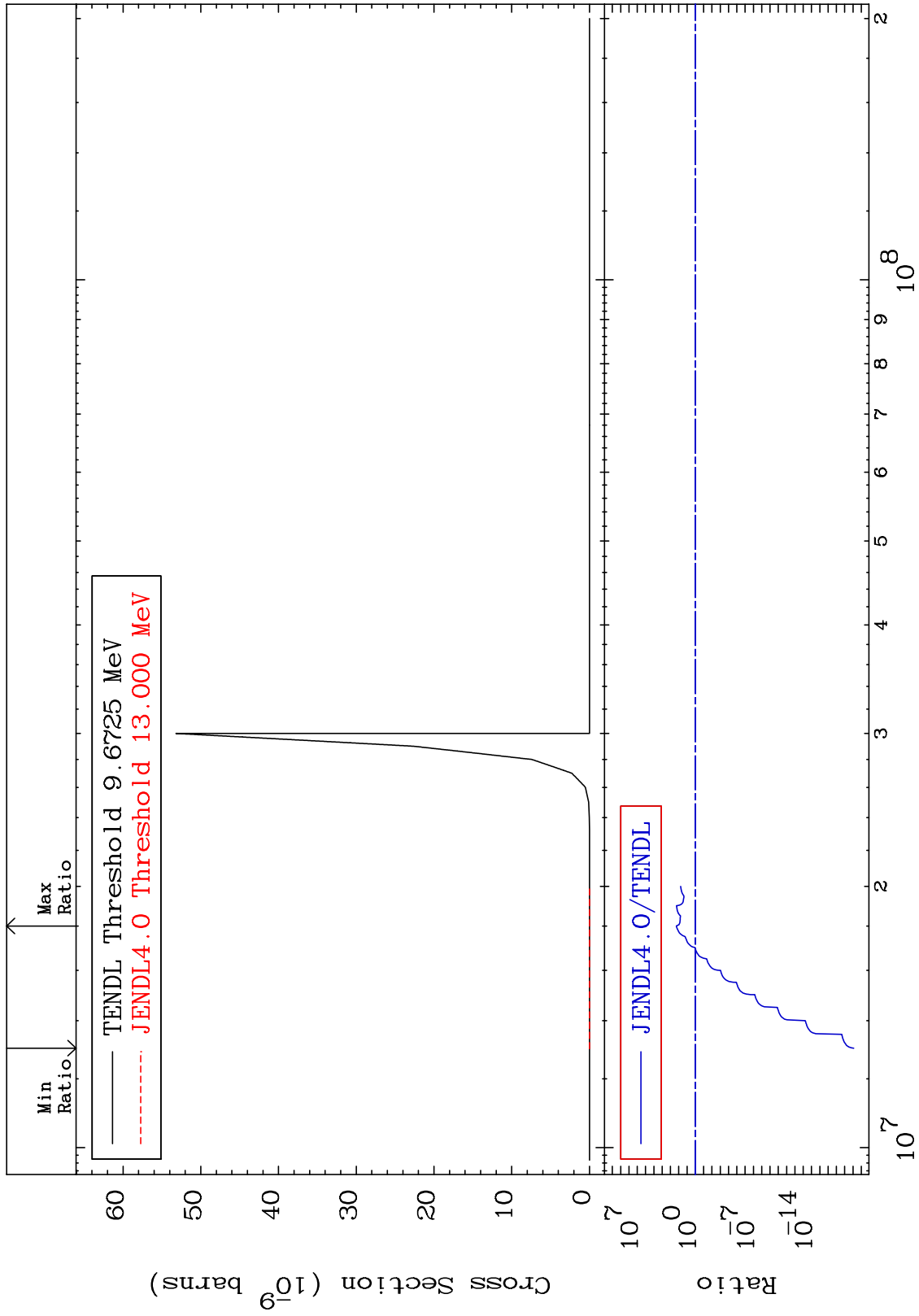




MAT 5528

(n,n') p α
Cross Section

55-Cs-134
-100.0 To 9999. %



55-Cs-134

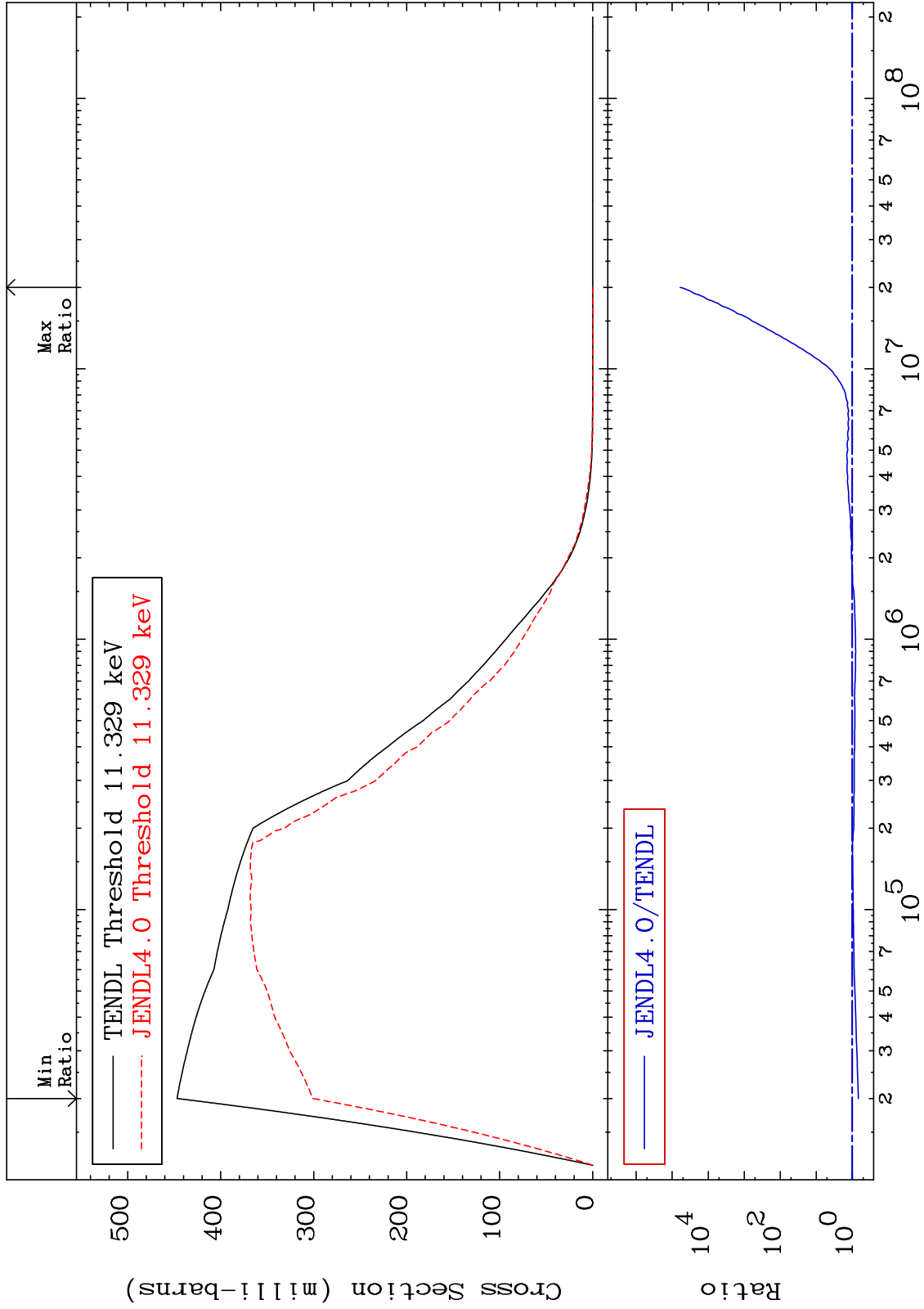
Incident Energy (eV)

15

MAT 5528

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

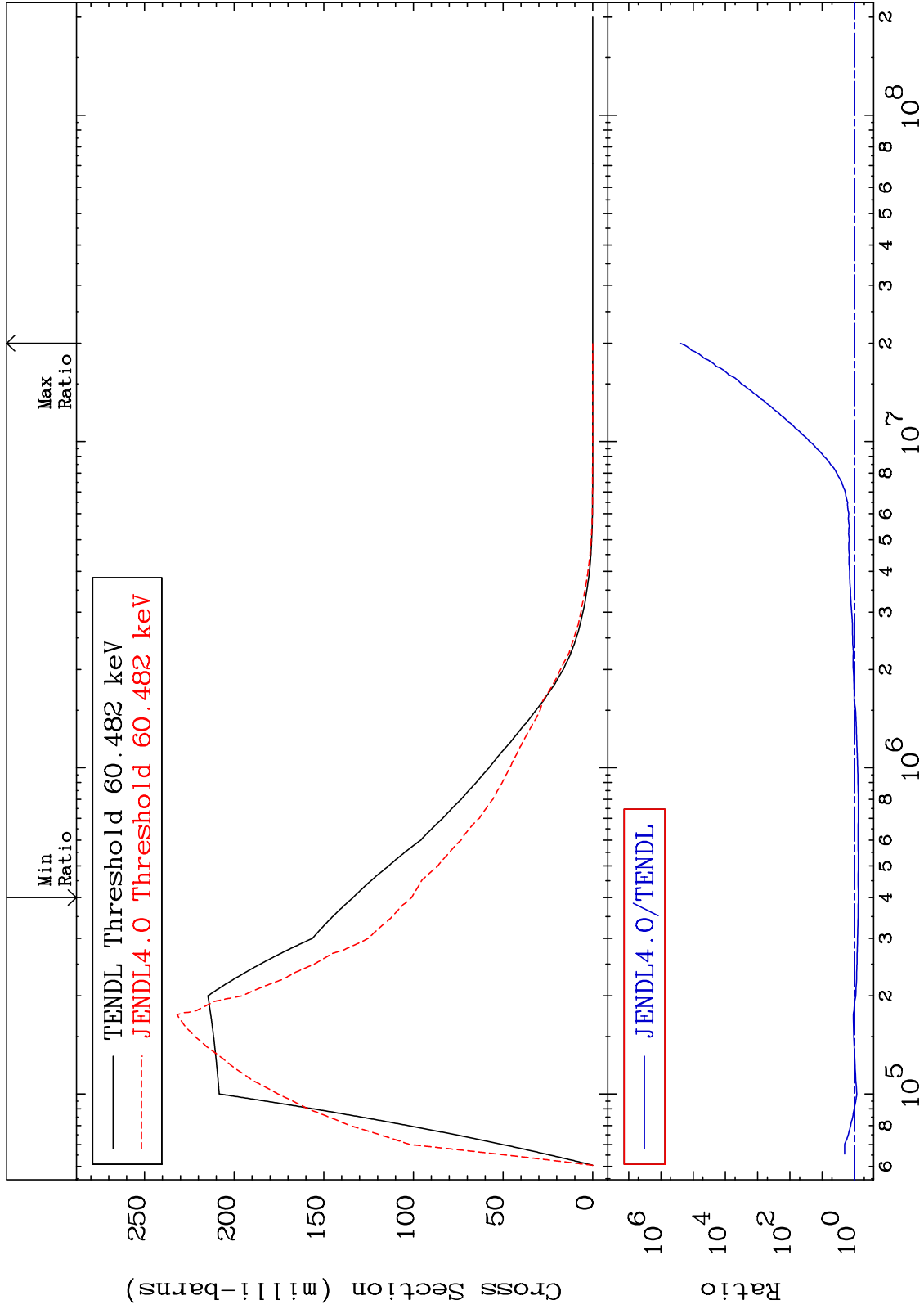
55-Cs-134
-32.67 To 9999. %



MAT 5528

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

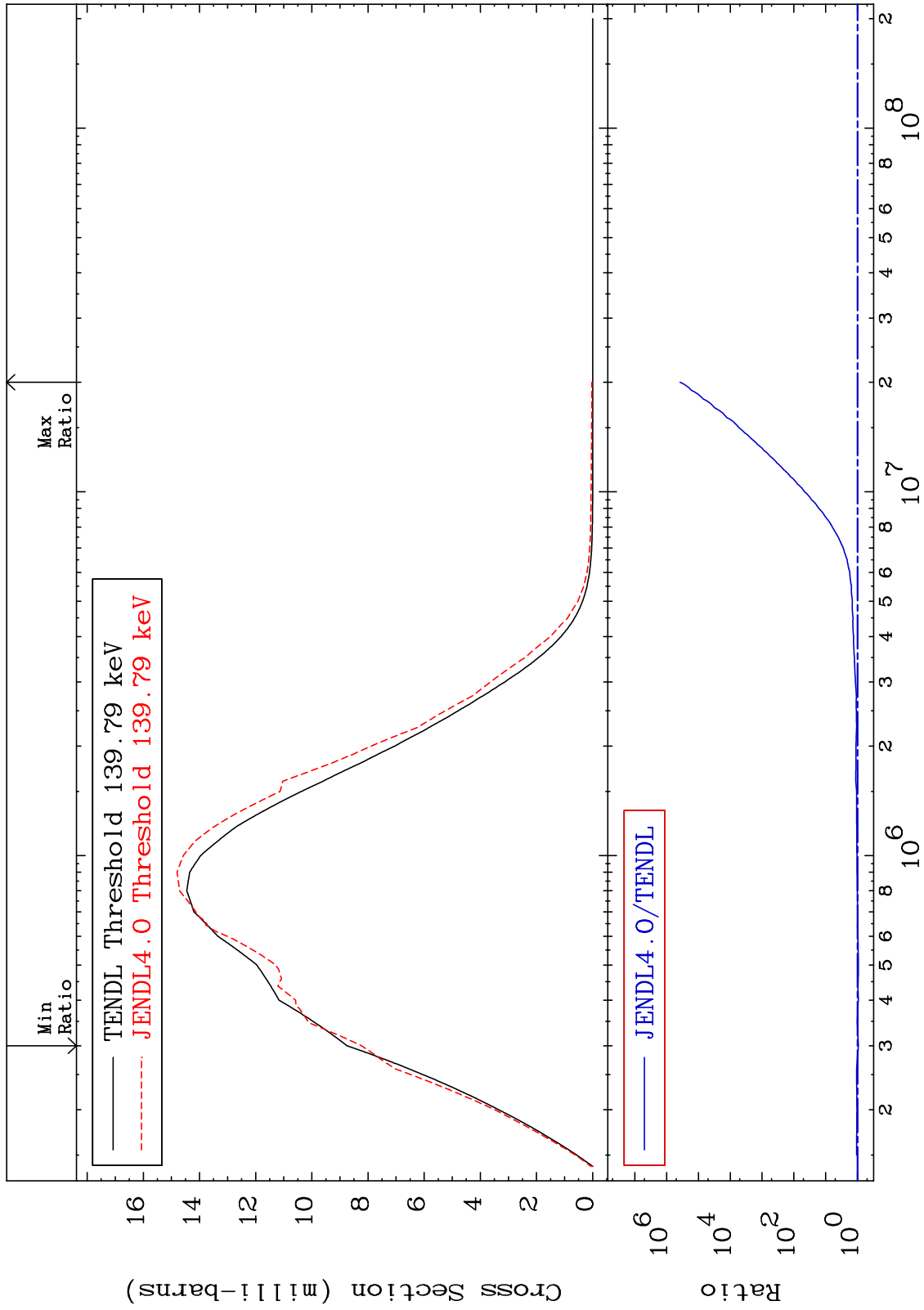
55-Cs-134
-24.47 To 9999. %



MAT 5528

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

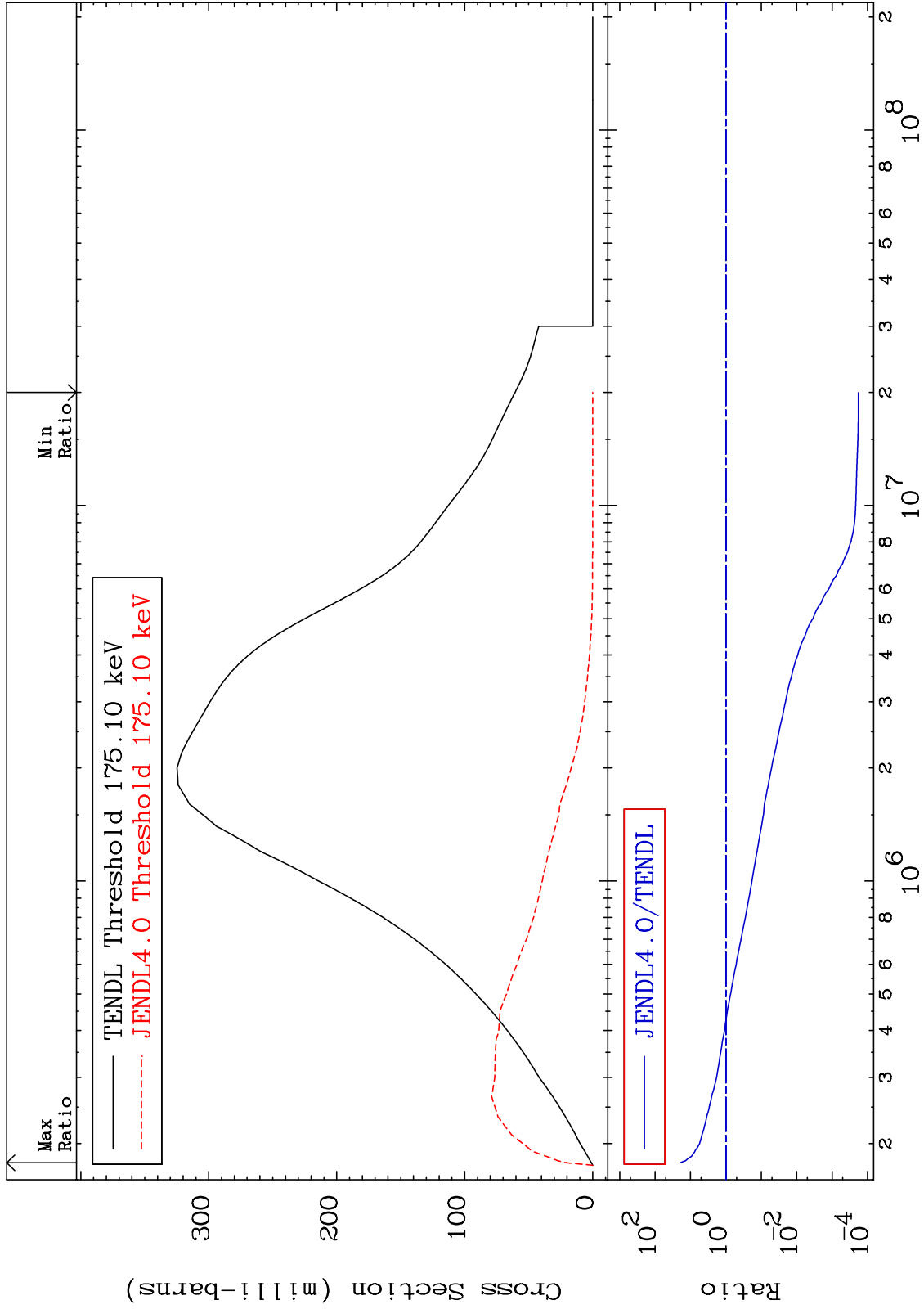
55-Cs-134
-5.905 To 9999. %



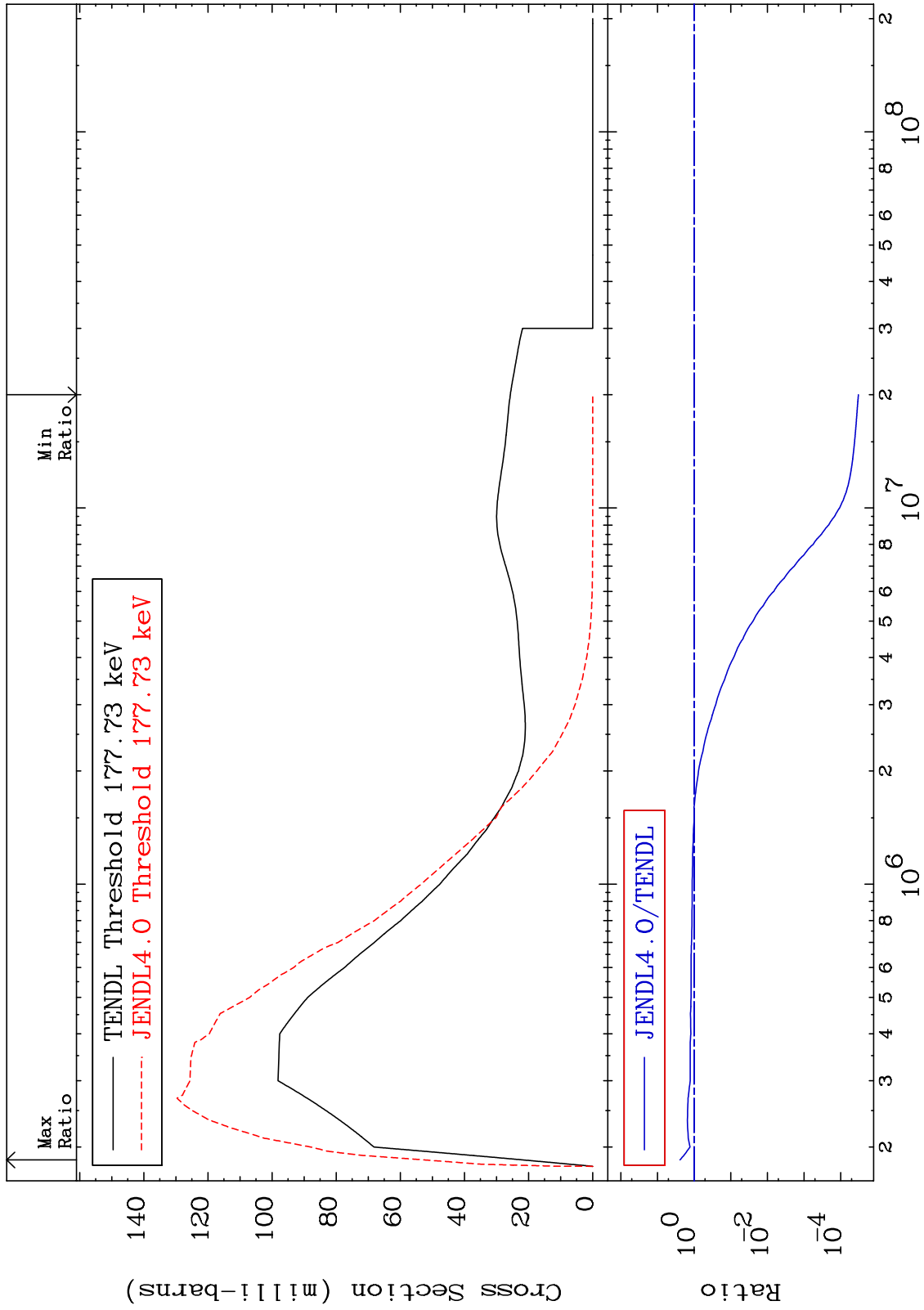
MAT 5528

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

55-Cs-134
-99.98 To 1878. %



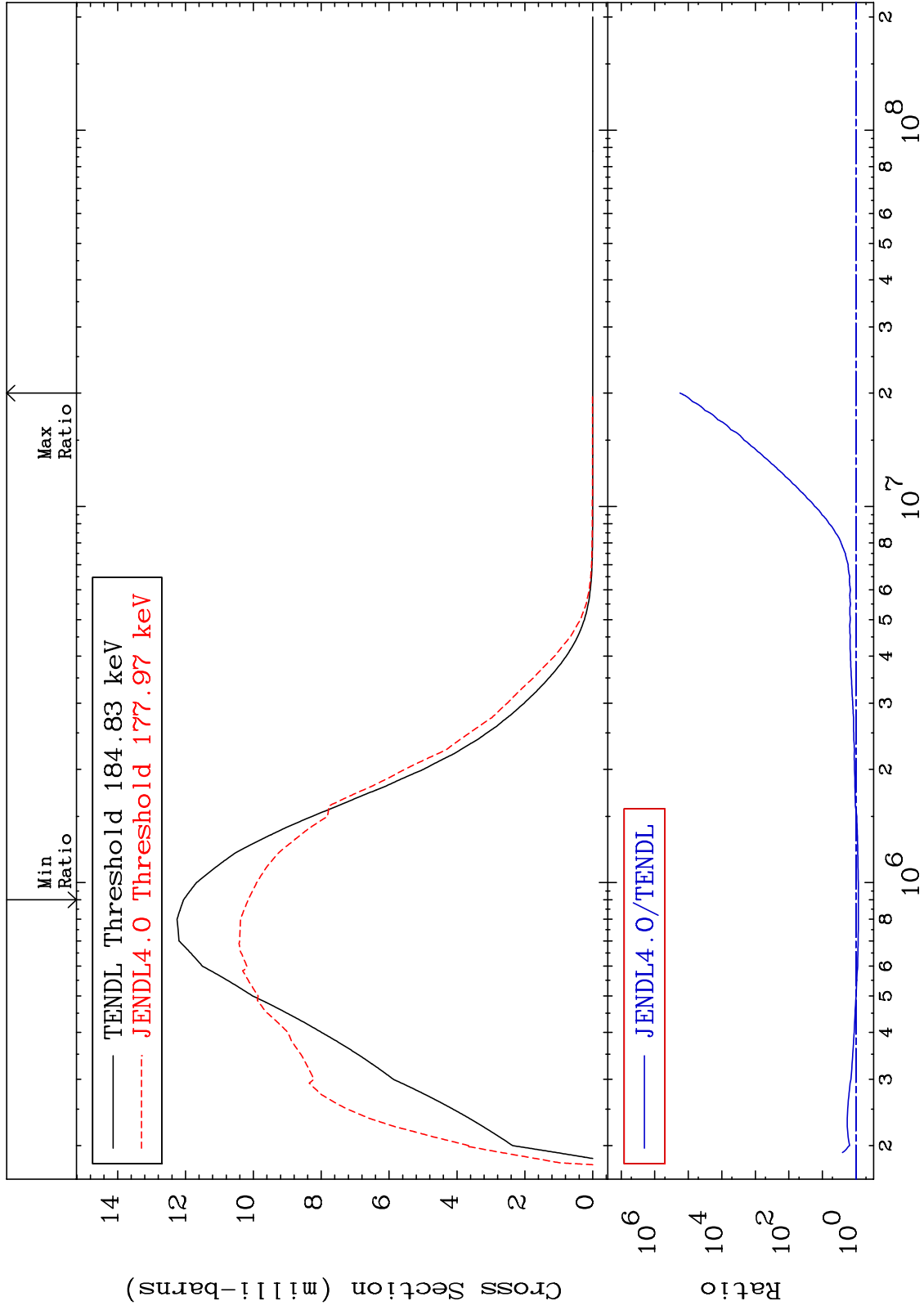
MAT 5528 MT= 55 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 141.3 %



MAT 5528

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

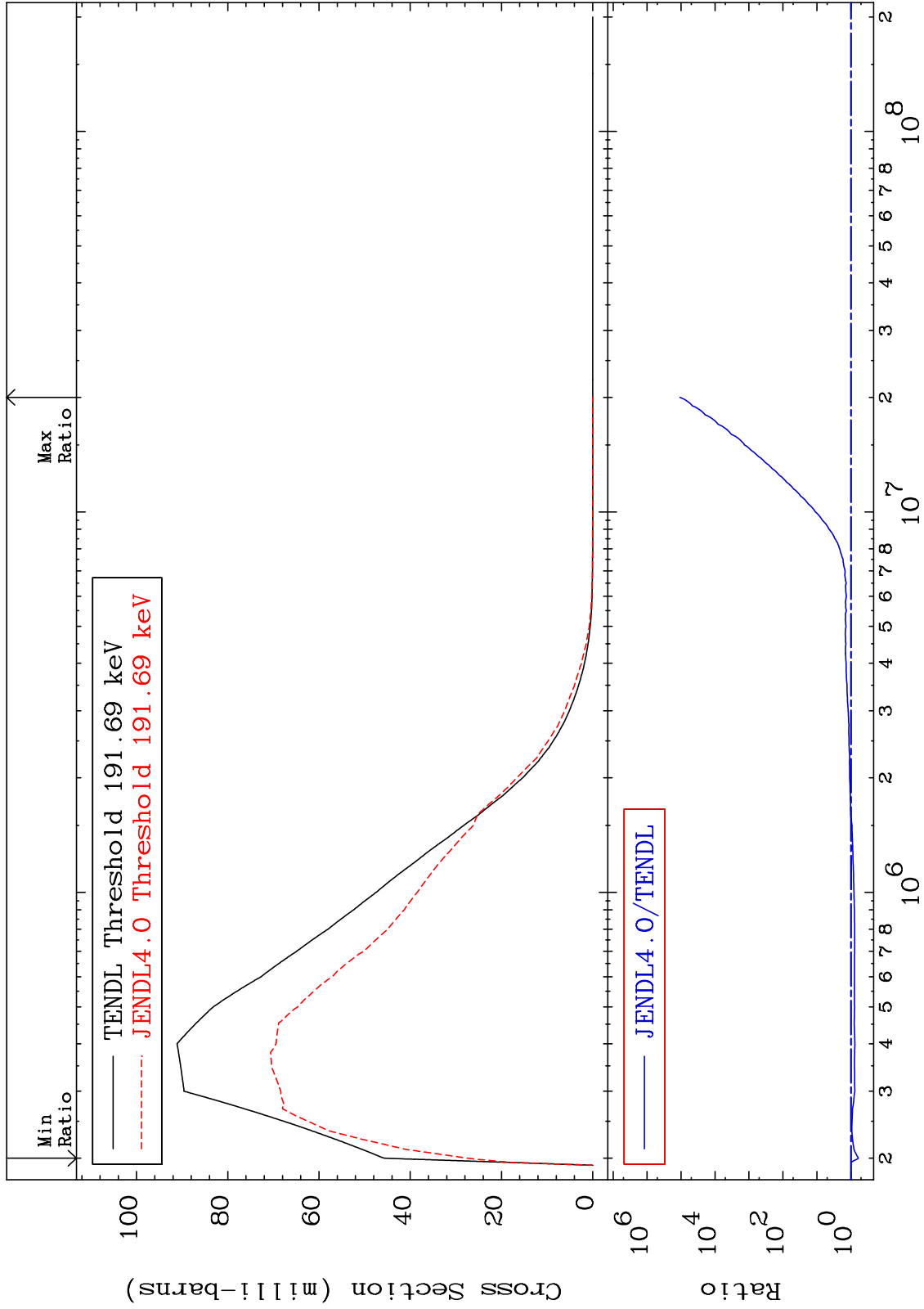
55-Cs-134
-15.79 To 9999. %



MAT 5528

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

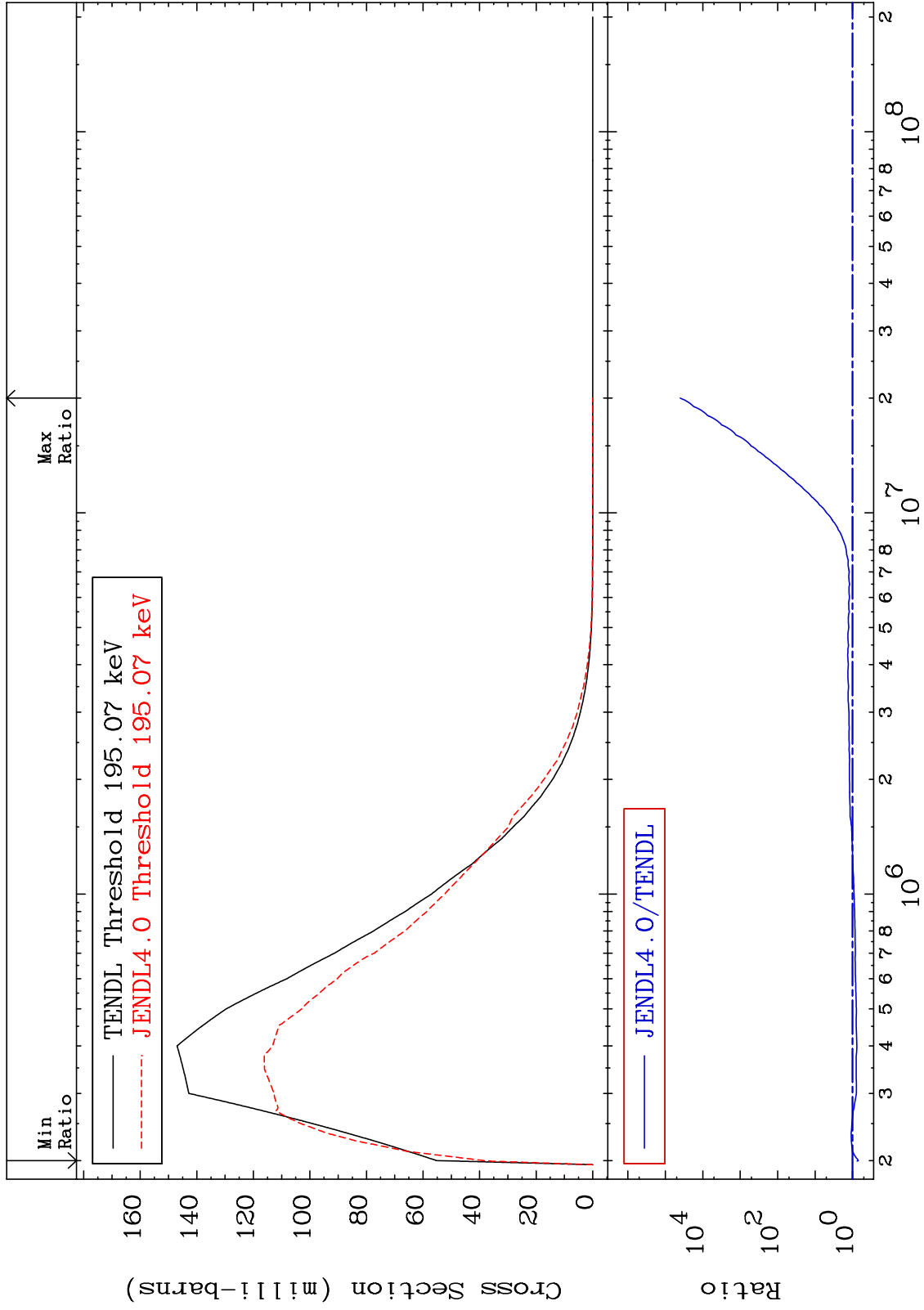
55-Cs-134
-40.15 To 9999. %



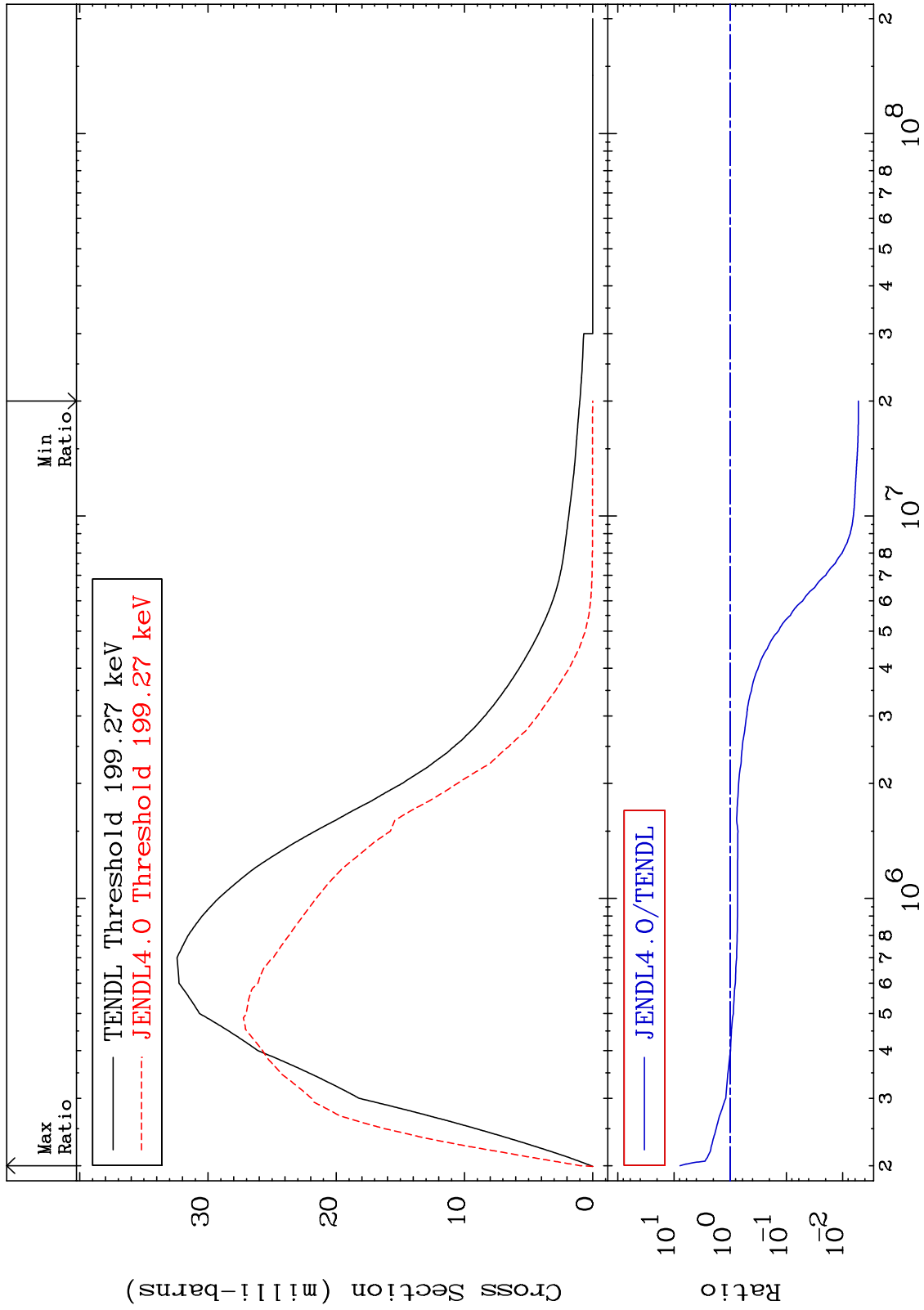
MAT 5528

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

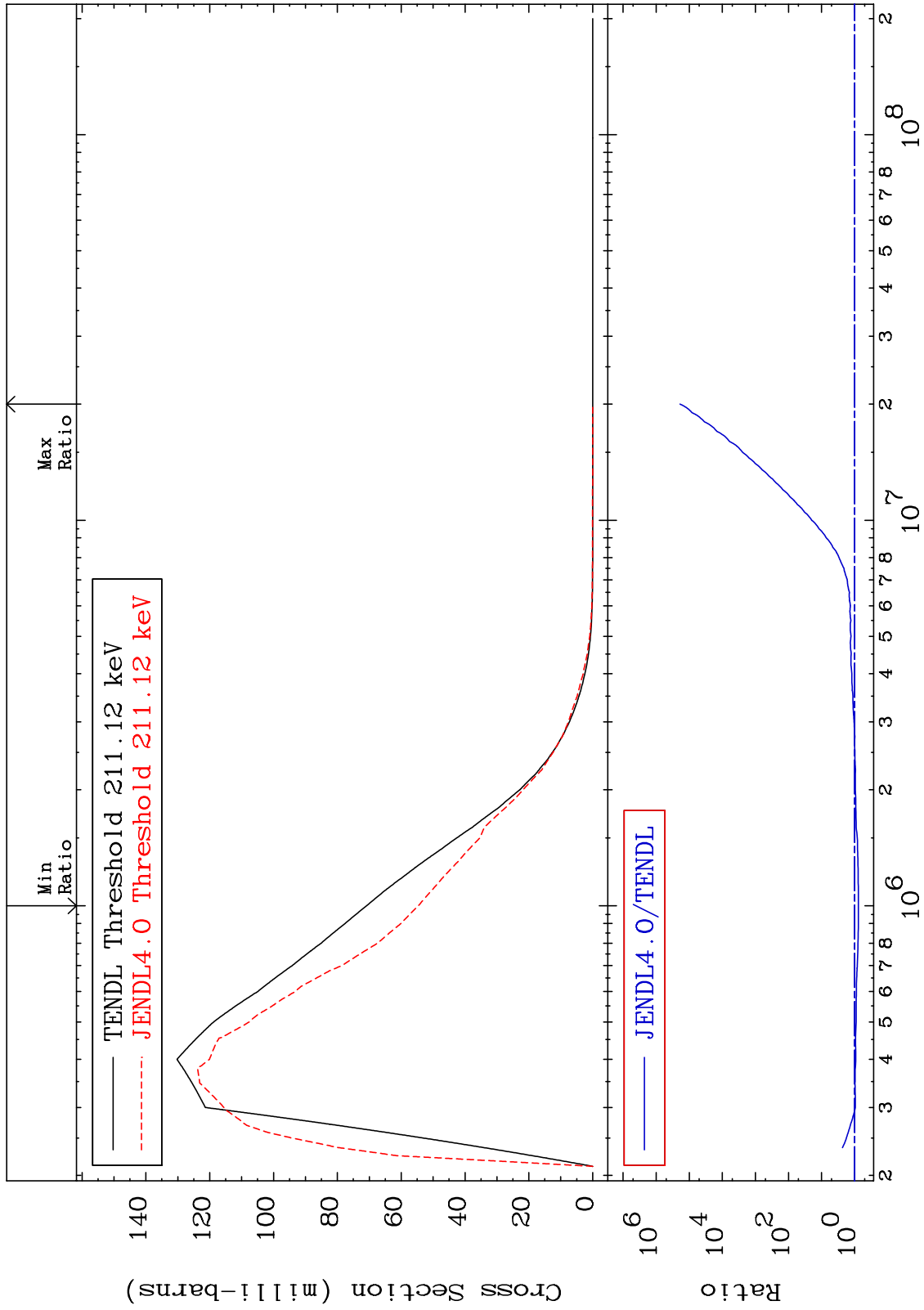
55-Cs-134
-30.16 To 9999. %



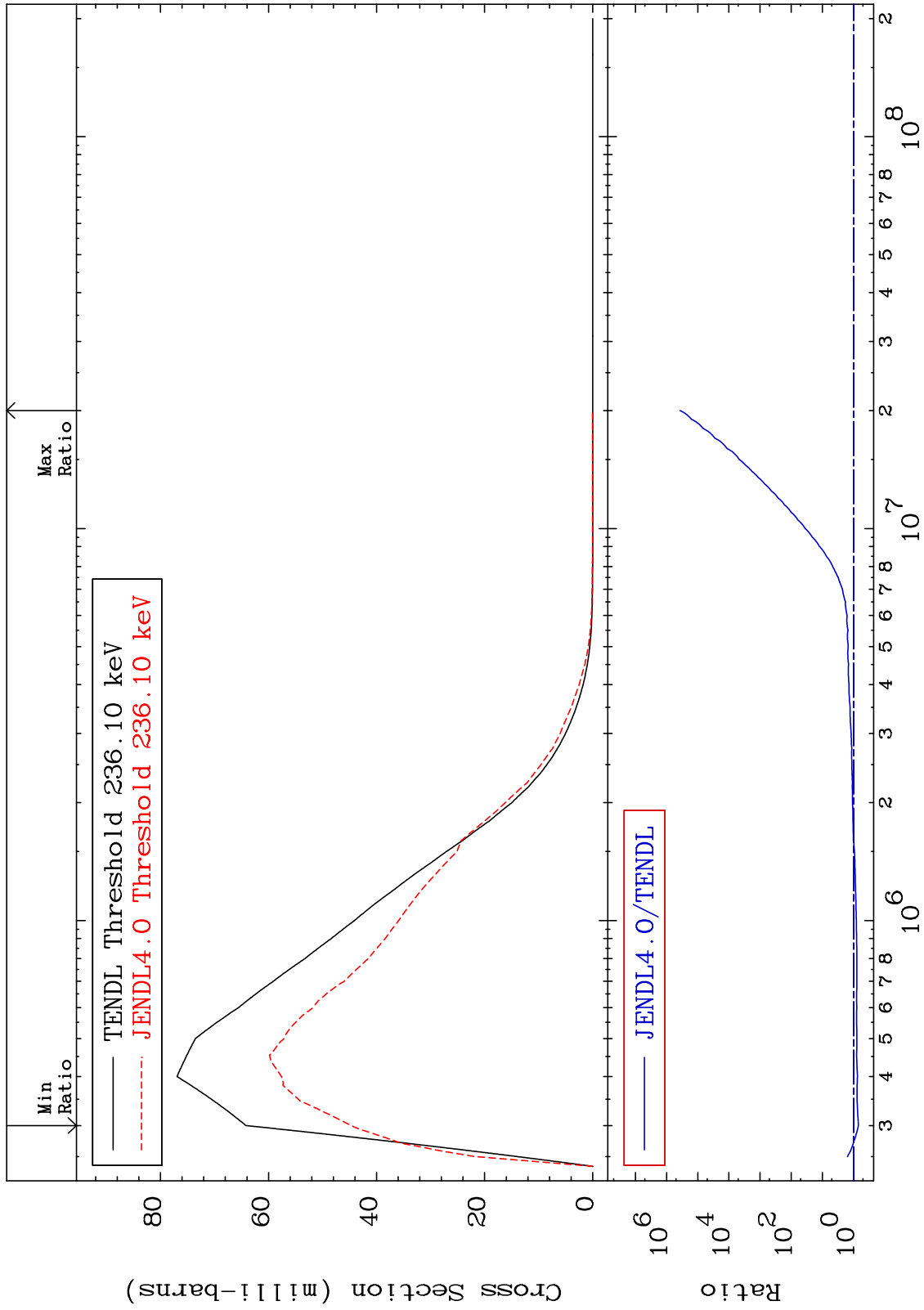
MAT 5528 MT= 59 (n,n') Level Cross Section 55-Cs-134 -99.48 To 681.3 %



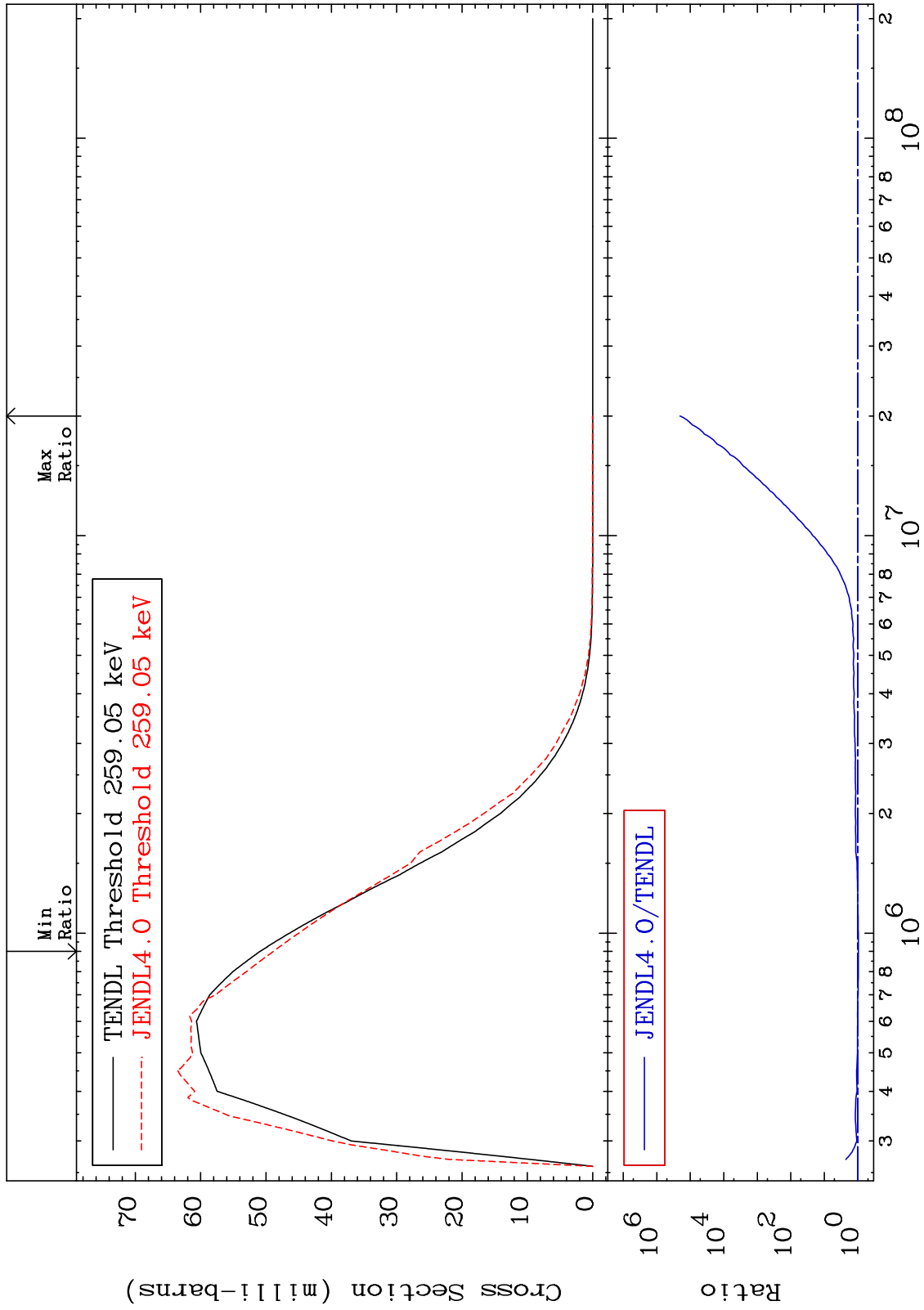
MAT 5528 MT= 60 (n,n') Level Cross Section 55-Cs-134 -22.86 To 9999. %



MAT 5528 MT= 61 (n,n') Level Cross Section 55-Cs-134 -30.30 To 9999. %



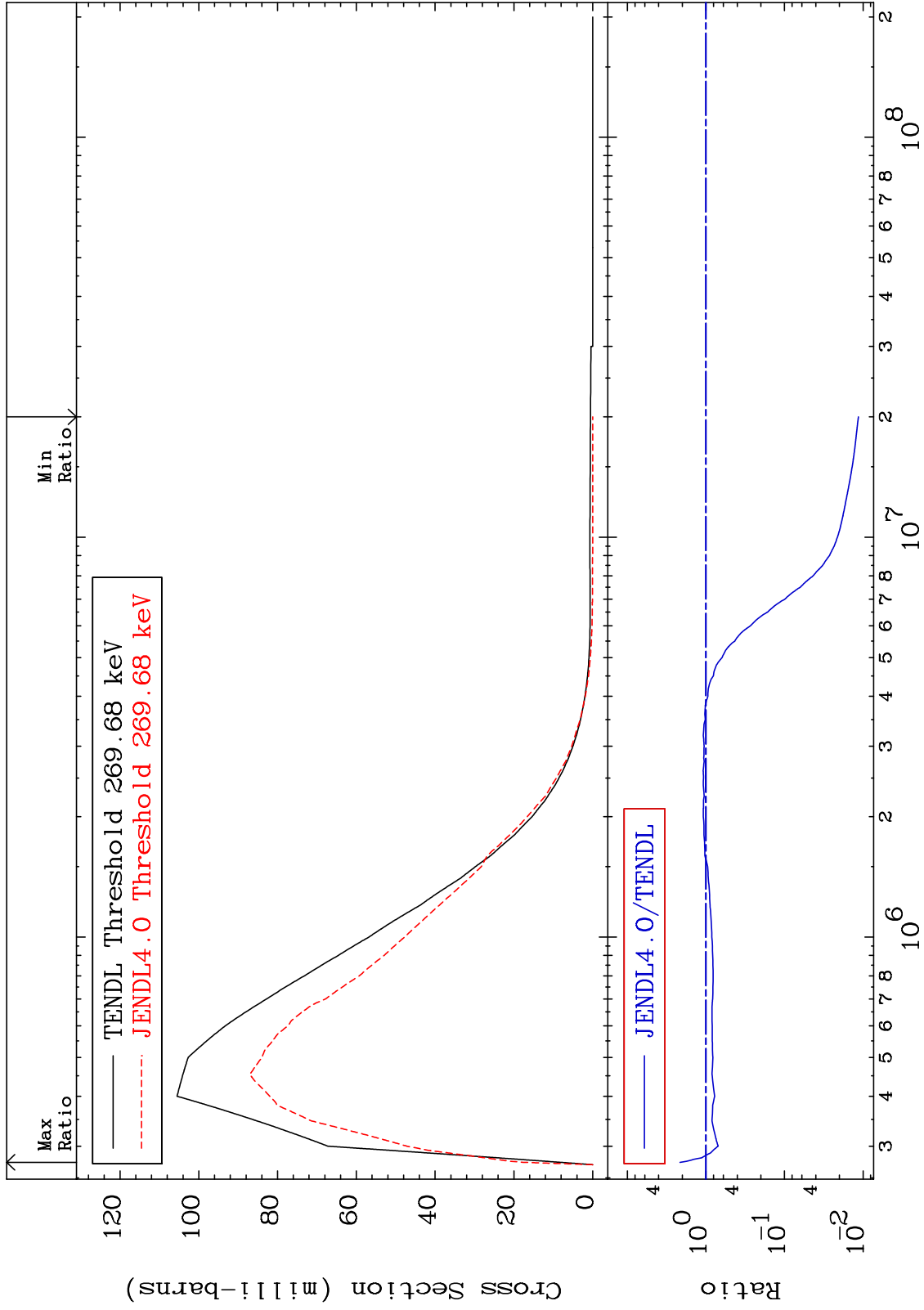
MAT 5528 MT= 62 (n,n') Level Cross Section 55-Cs-134 -4.024 To 9999. %



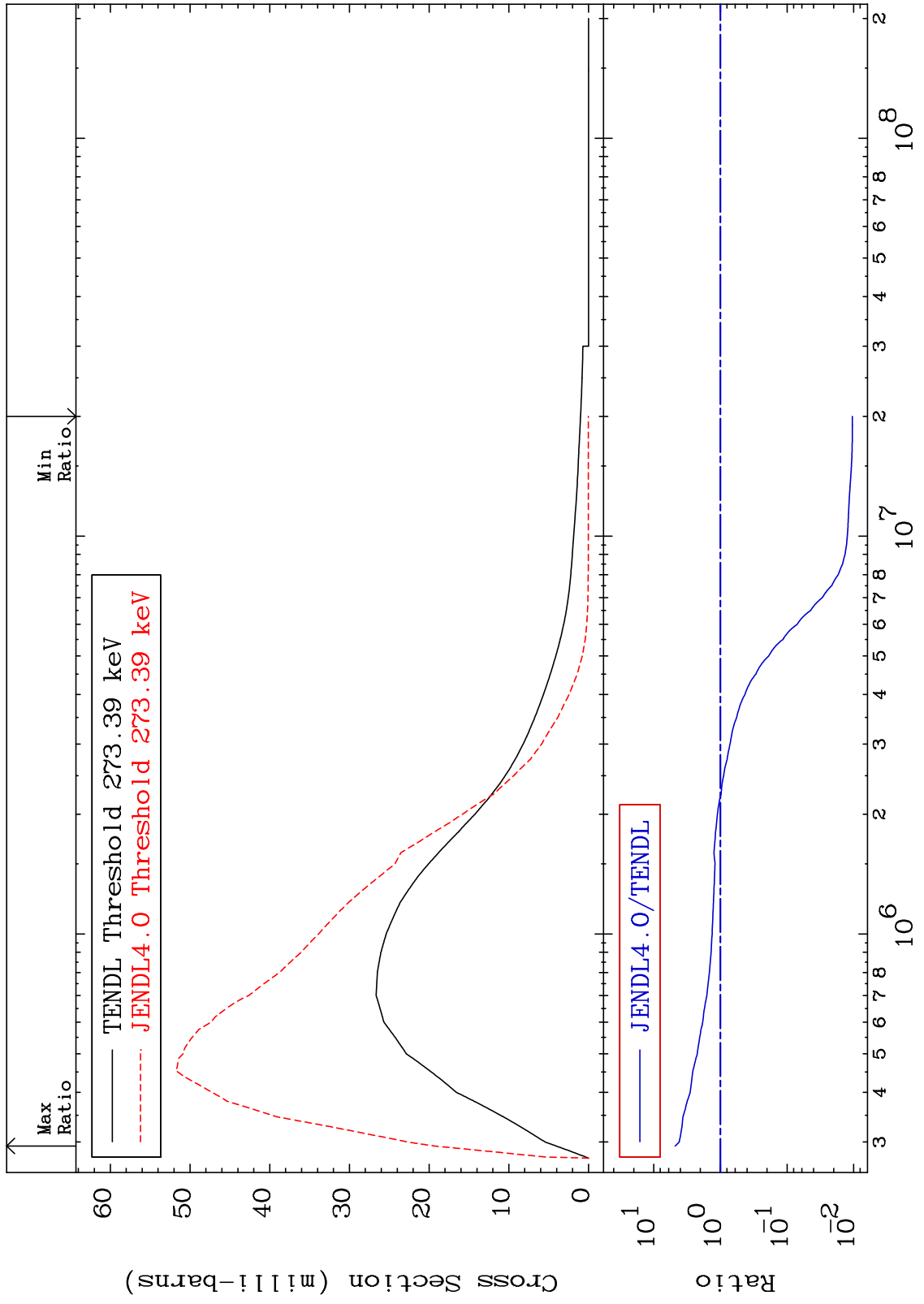
MAT 5528

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

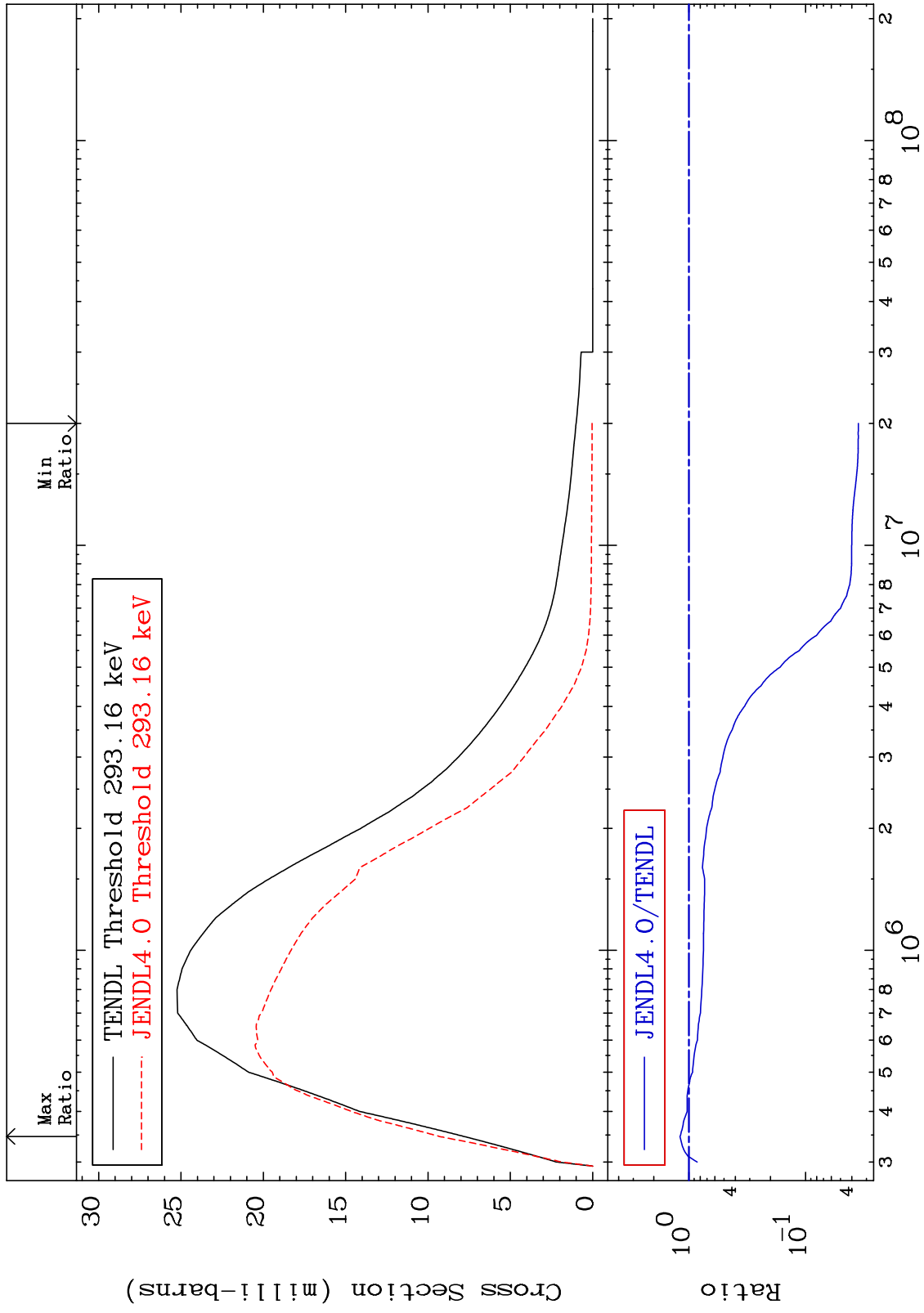
55-Cs-134
-98.85 To 113.9 %



MAT 5528 MT= 64 (n,n') Level Cross Section 55-Cs-134 -98.95 To 377.1 %



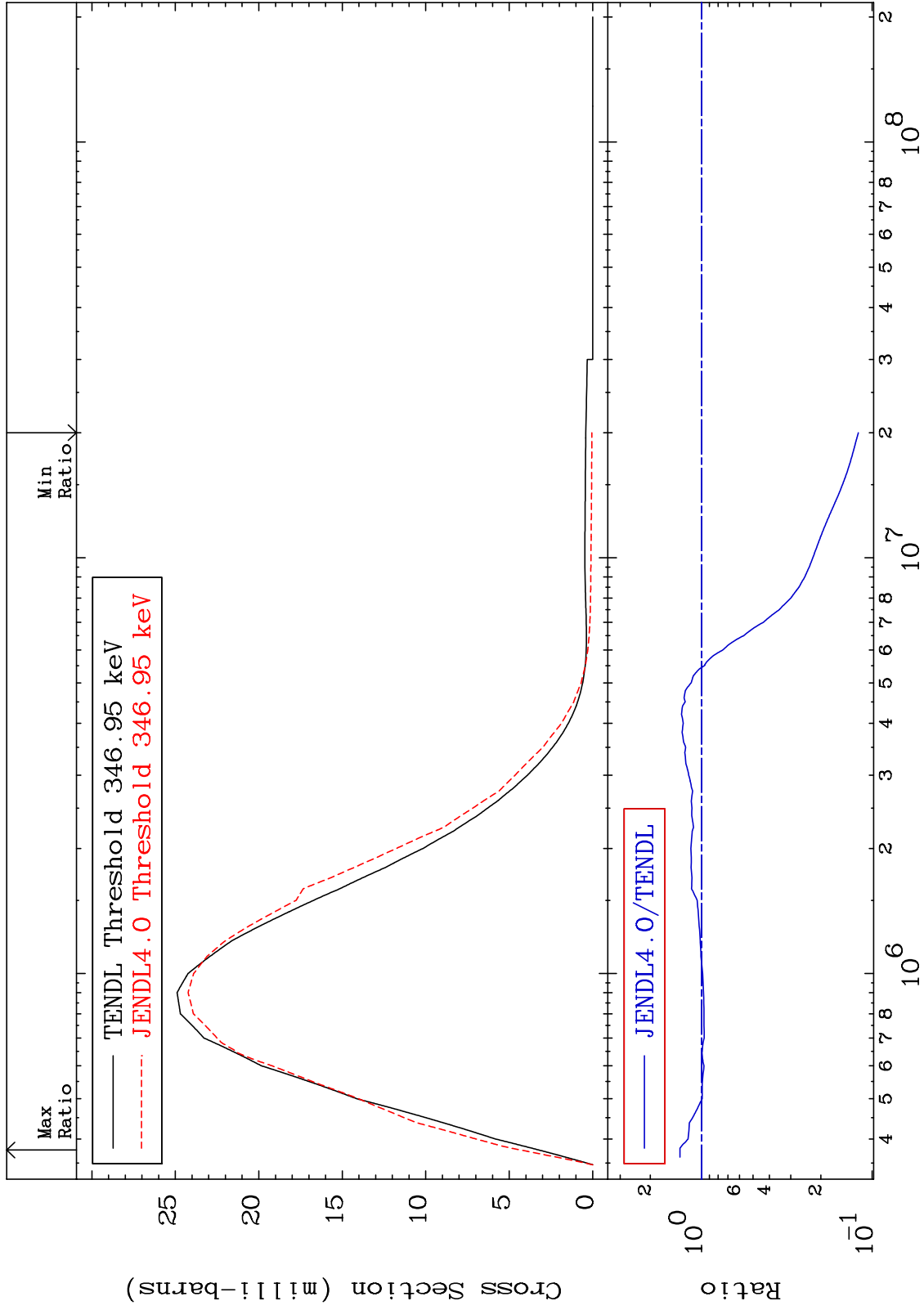
MAT 5528 MT= 65 (n,n') Level 55-Cs-134
 Cross Section -96.48 To 19.14 %



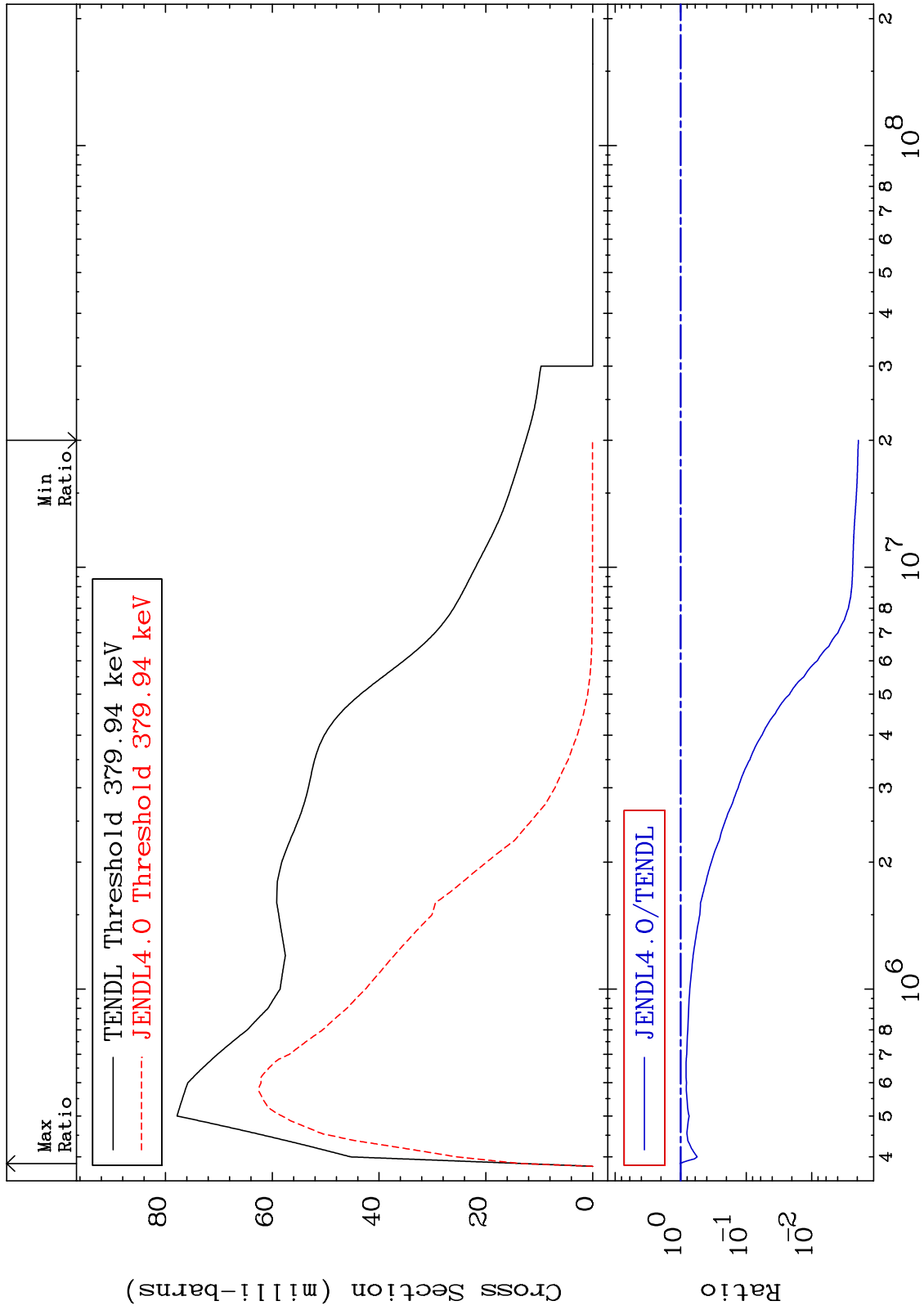
MAT 5528

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

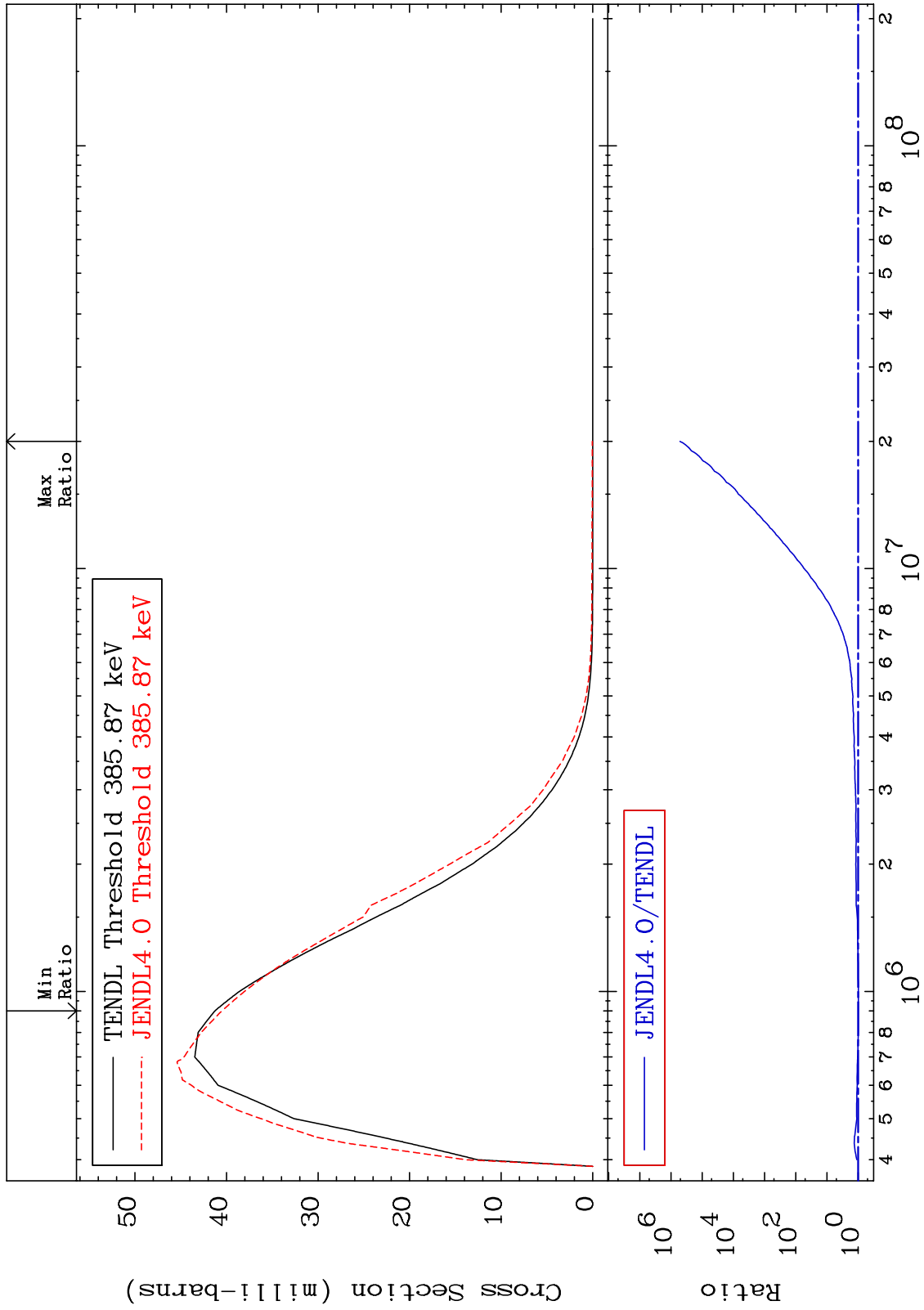
55-Cs-134
-87.97 To 33.77 %



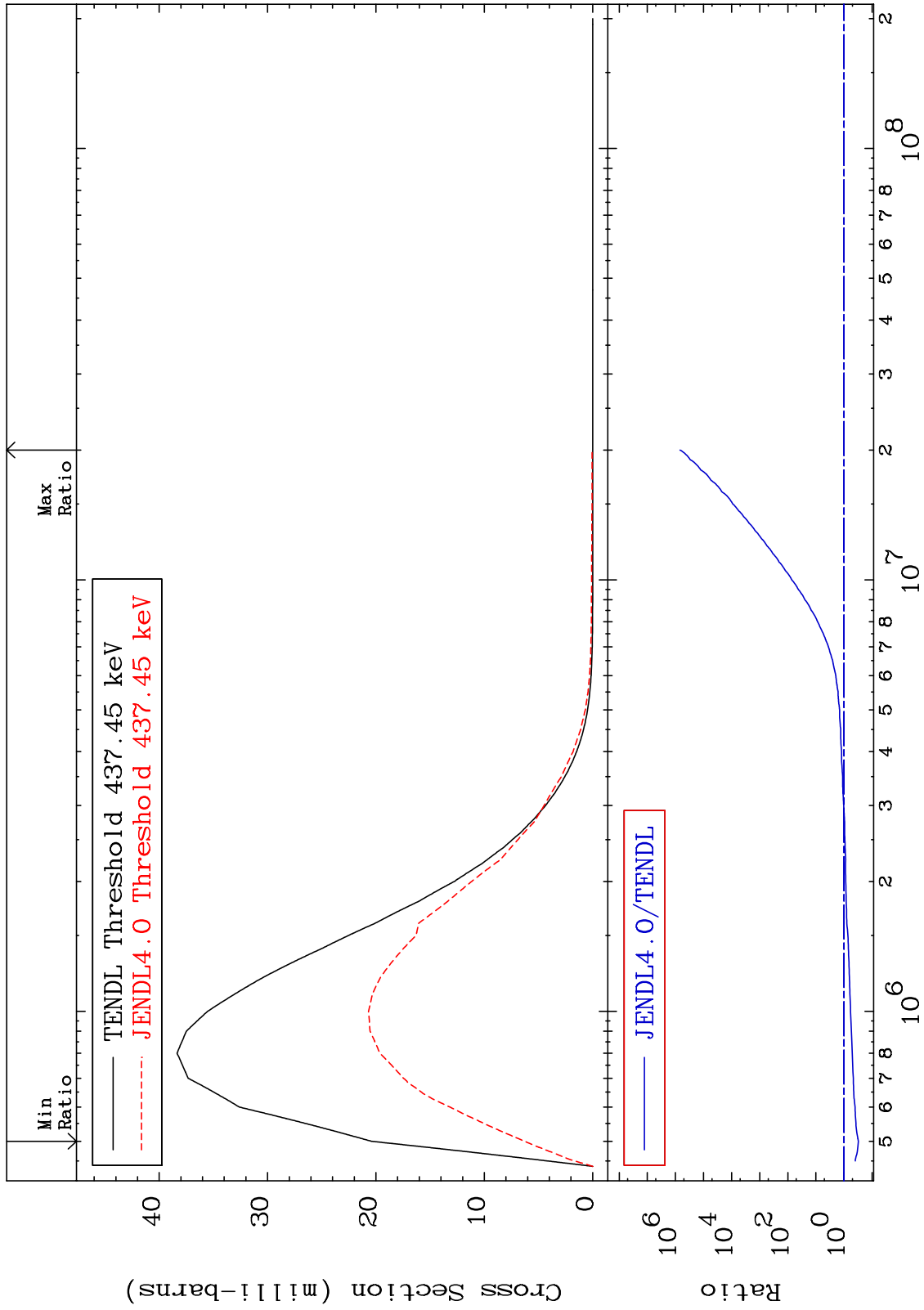
MAT 5528 MT= 67 (n,n') Level Cross Section 55-Cs-134 -99.81 To 2.466 %



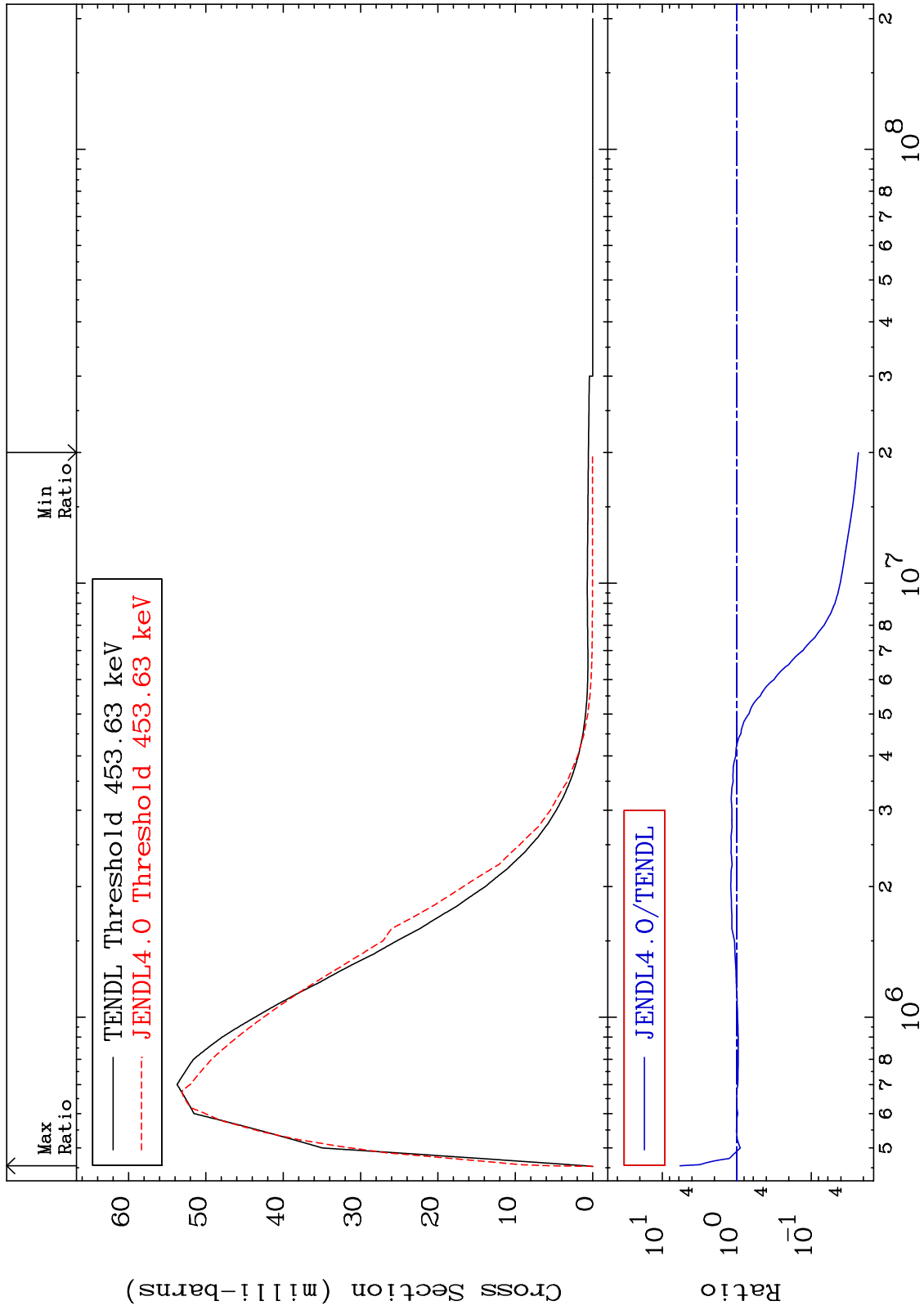
MAT 5528 MT= 68 (n,n') Level Cross Section 55-Cs-134 -1.890 To 9999. %



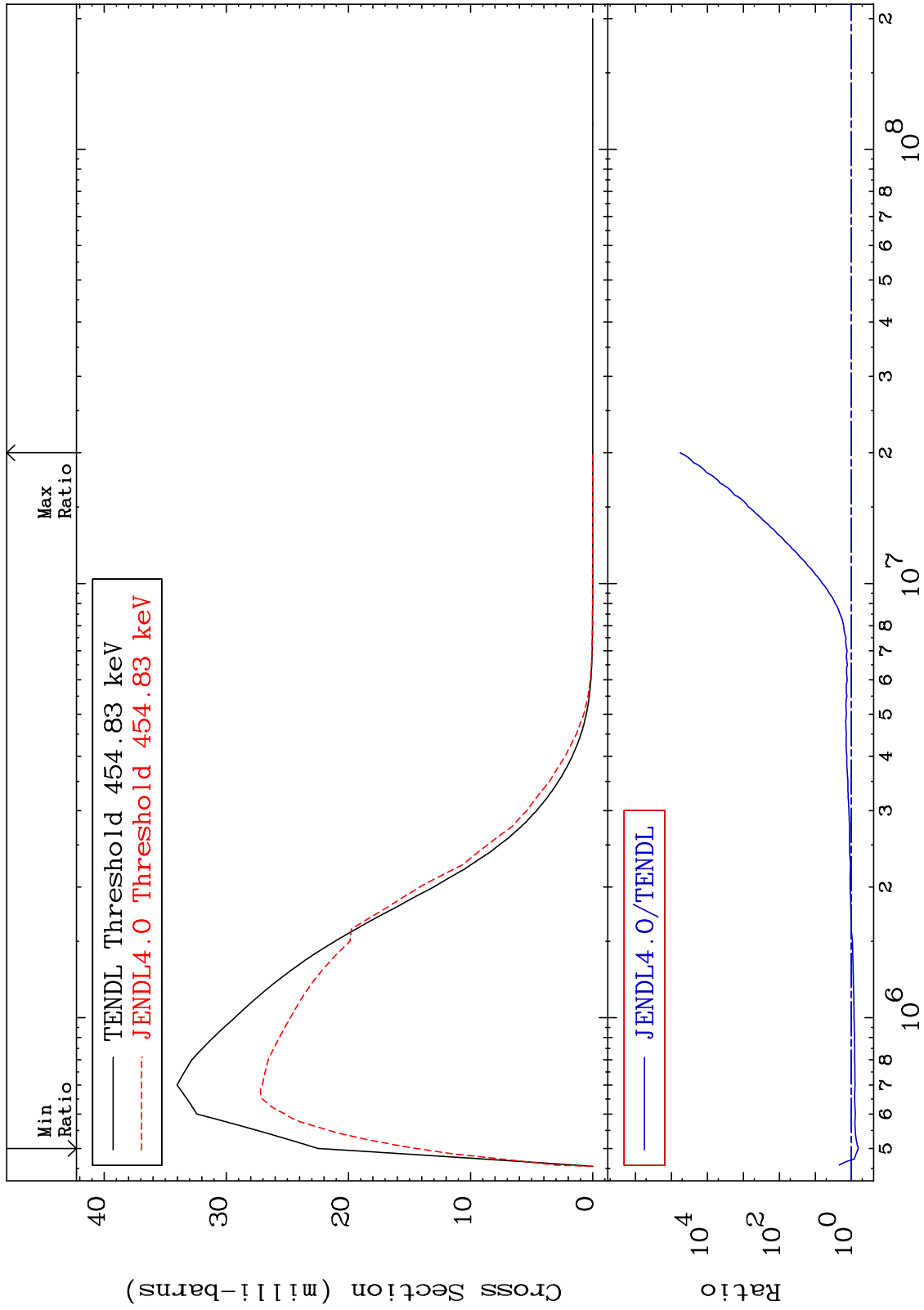
MAT 5528 MT= 69 (n,n') Level Cross Section 55-Cs-134 -69.26 To 9999. %



MAT 5528 MT= 70 (n,n') Level 55-Cs-134
 Cross Section -97.67 To 478.0 %



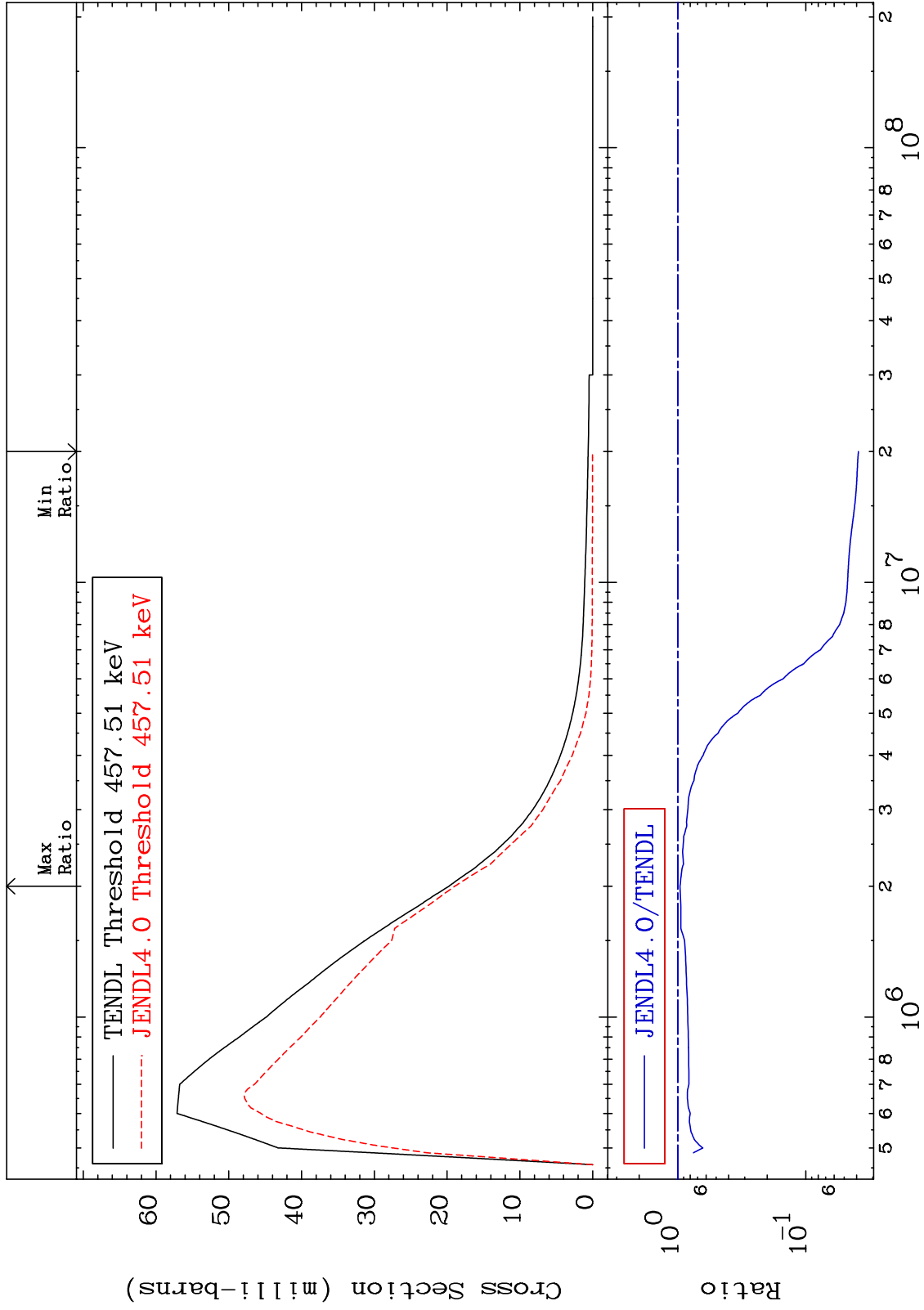
MAT 5528 MT= 71 (n,n') Level 55-Cs-134
 Cross Section -35.91 To 9999. %



MAT 5528

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

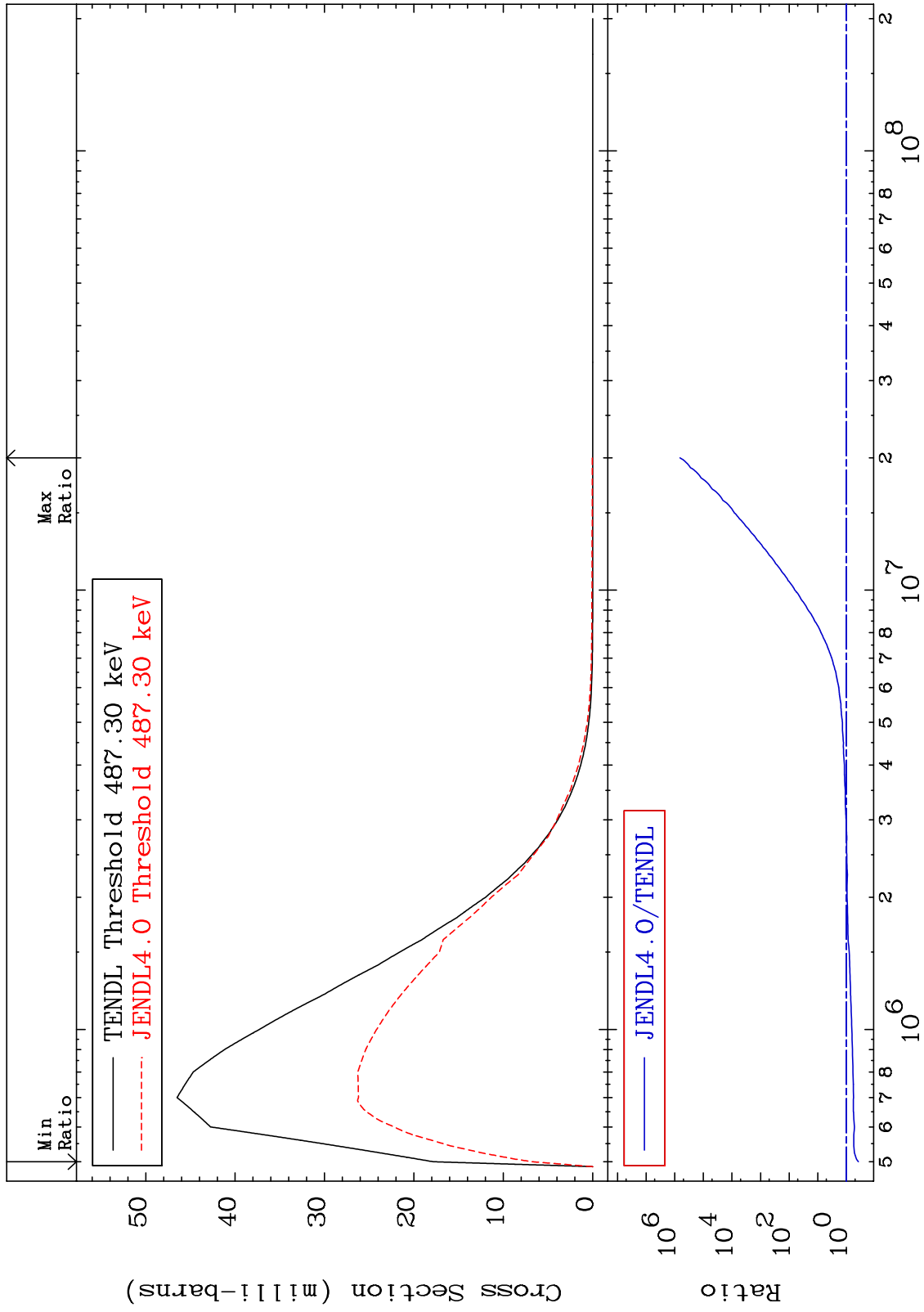
55-Cs-134
-96.12 To -4.087%



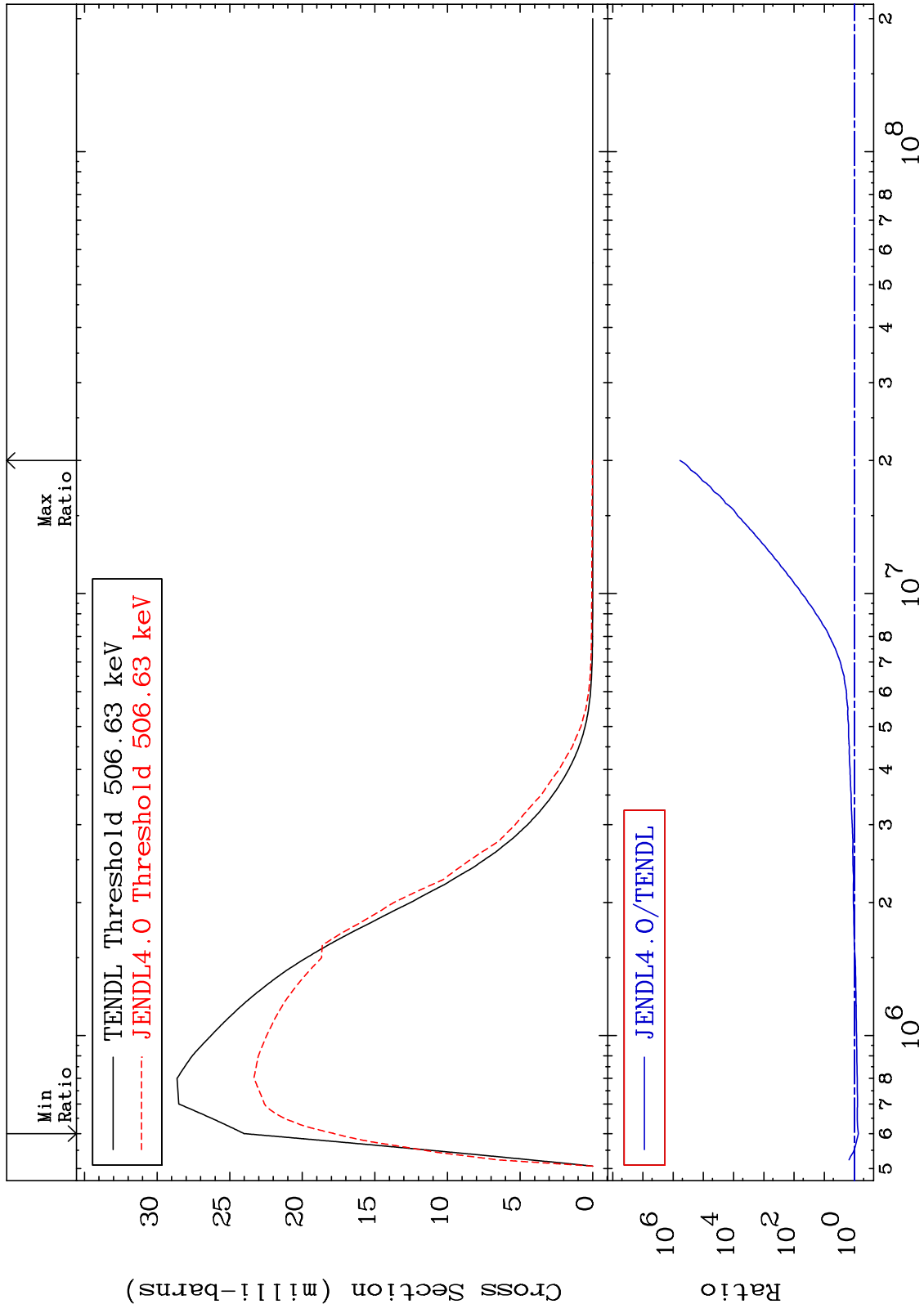
MAT 5528

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

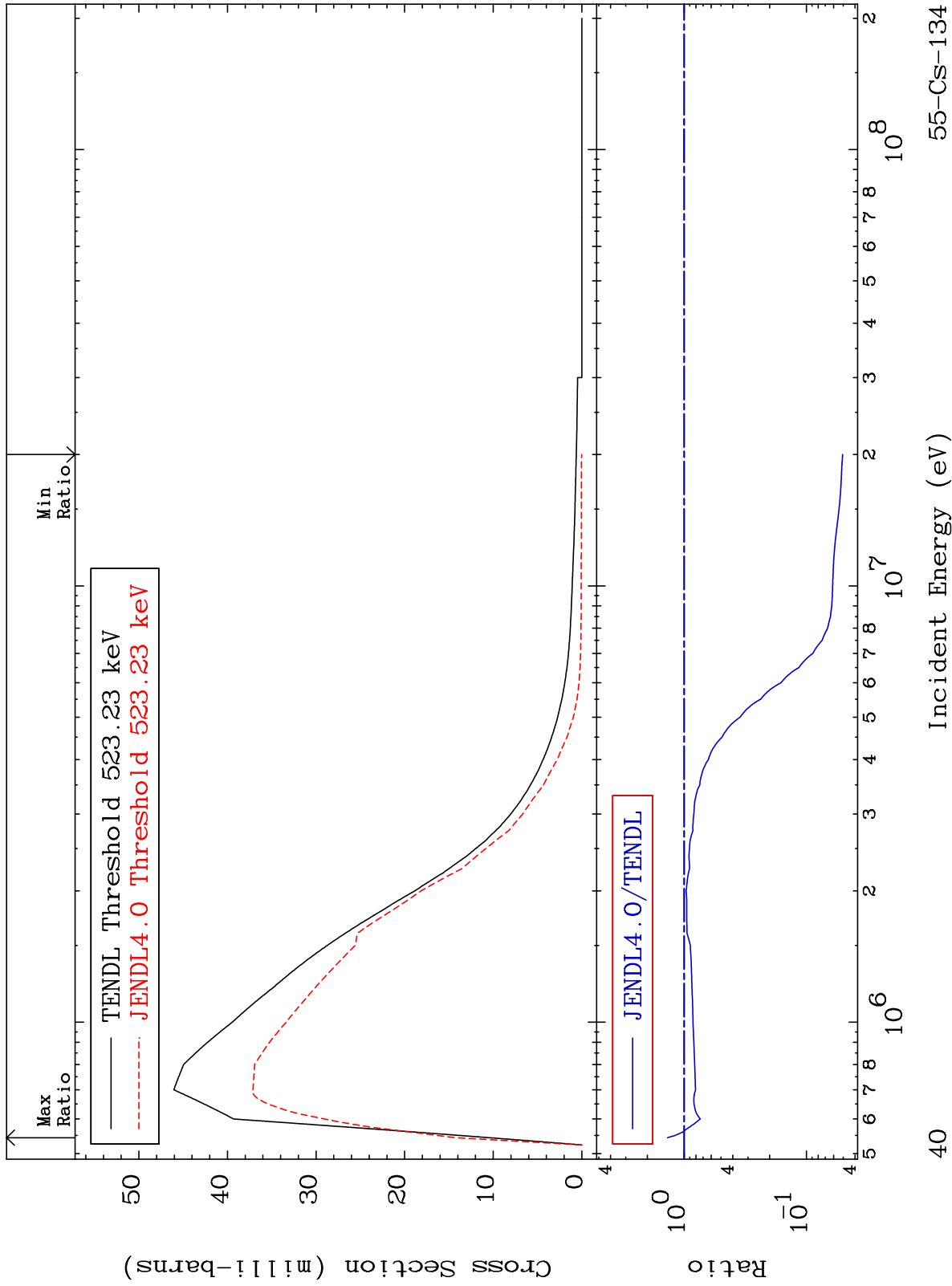
55-Cs-134
-61.97 To 9999. %



MAT 5528 MT= 74 (n,n') Level 55-Cs-134
 Cross Section -25.83 To 9999. %

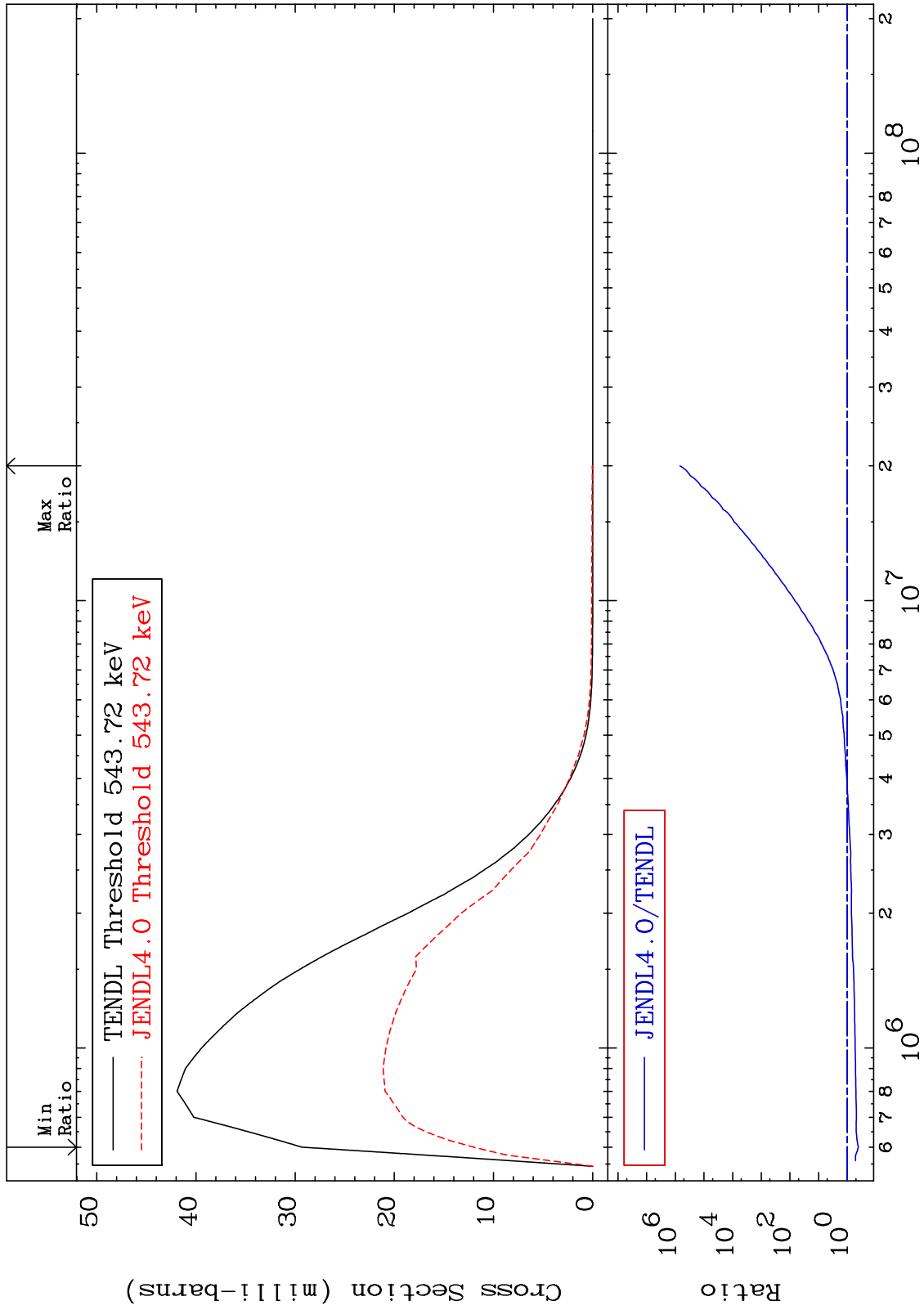


MAT 5528 MT= 75 (n,n') Level Cross Section 55-Cs-134 -94.95 To 36.66 %

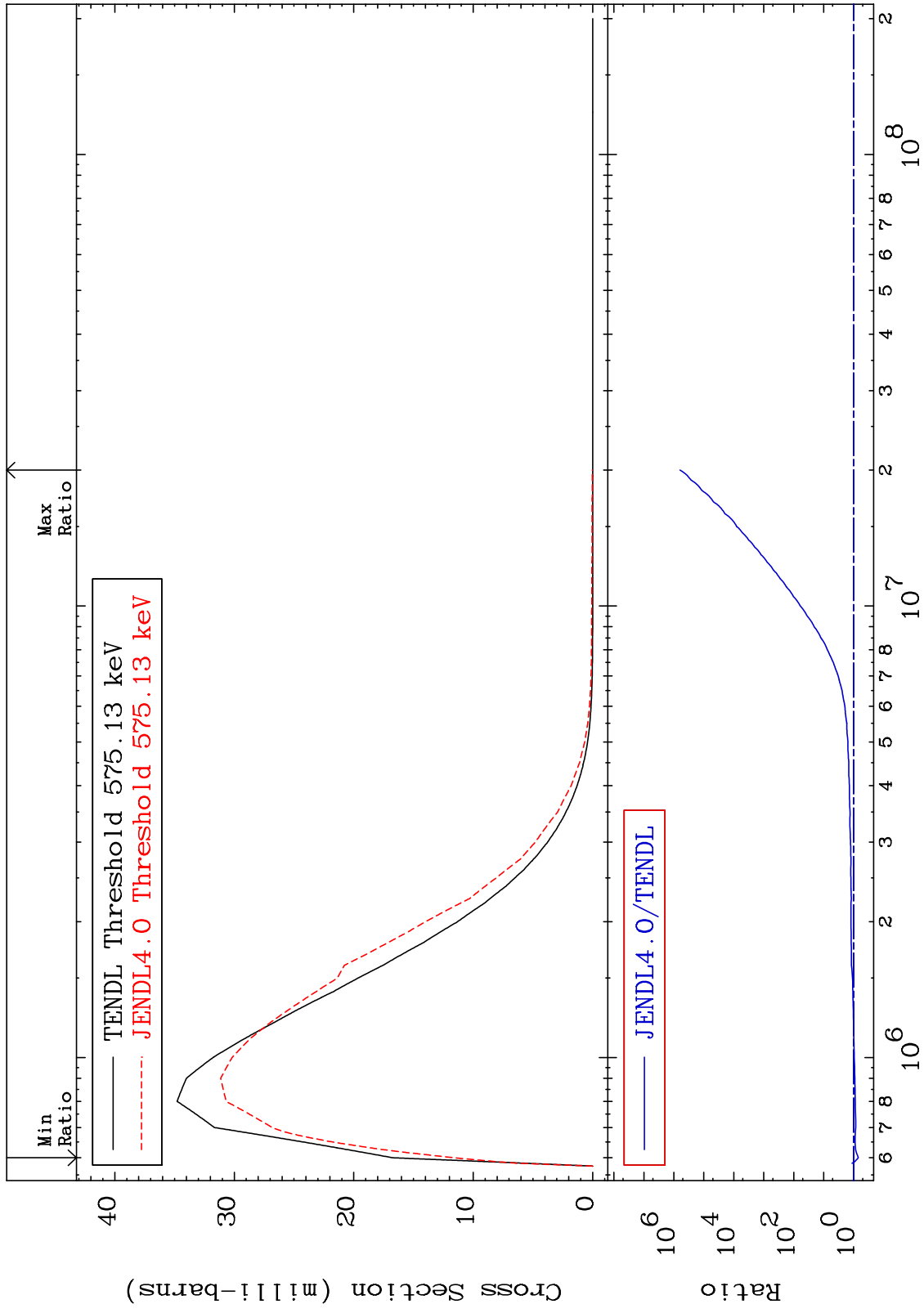


40 55-Cs-134

MAT 5528 MT= 76 (n,n') Level 55-Cs-134
 Cross Section -59.22 To 9999. %



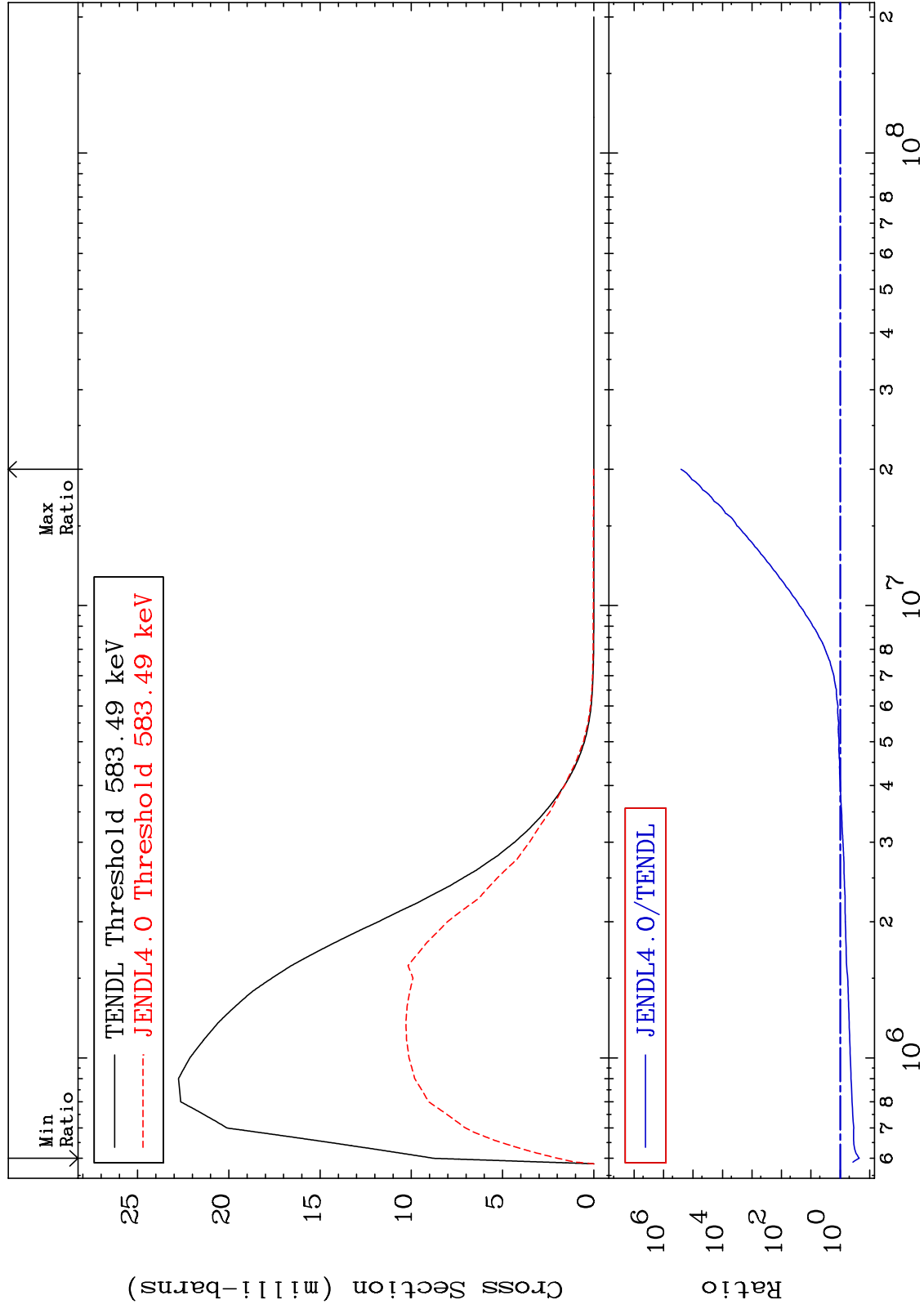
MAT 5528 MT= 77 (n,n') Level 55-Cs-134
 Cross Section -30.60 To 9999. %



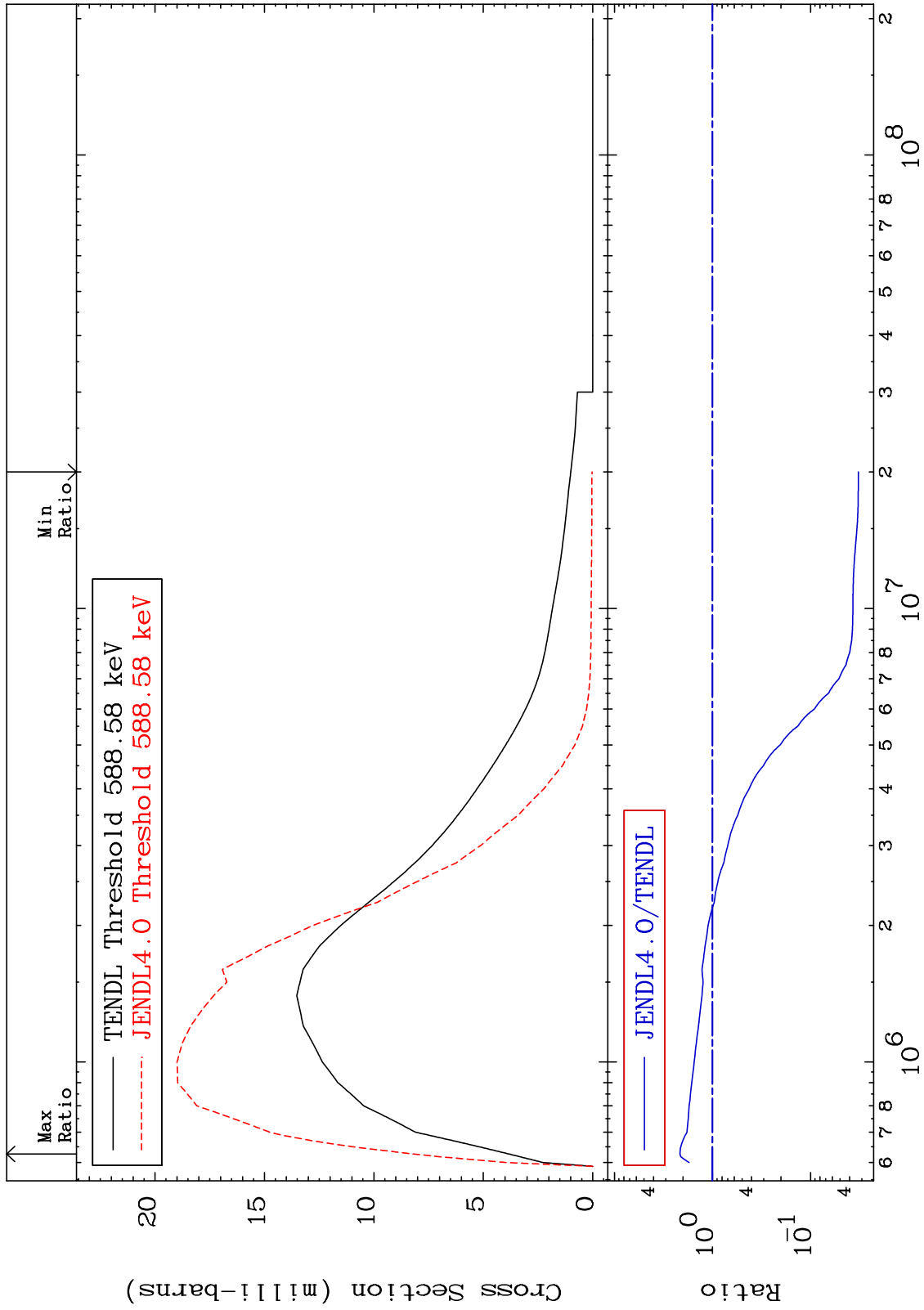
MAT 5528

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

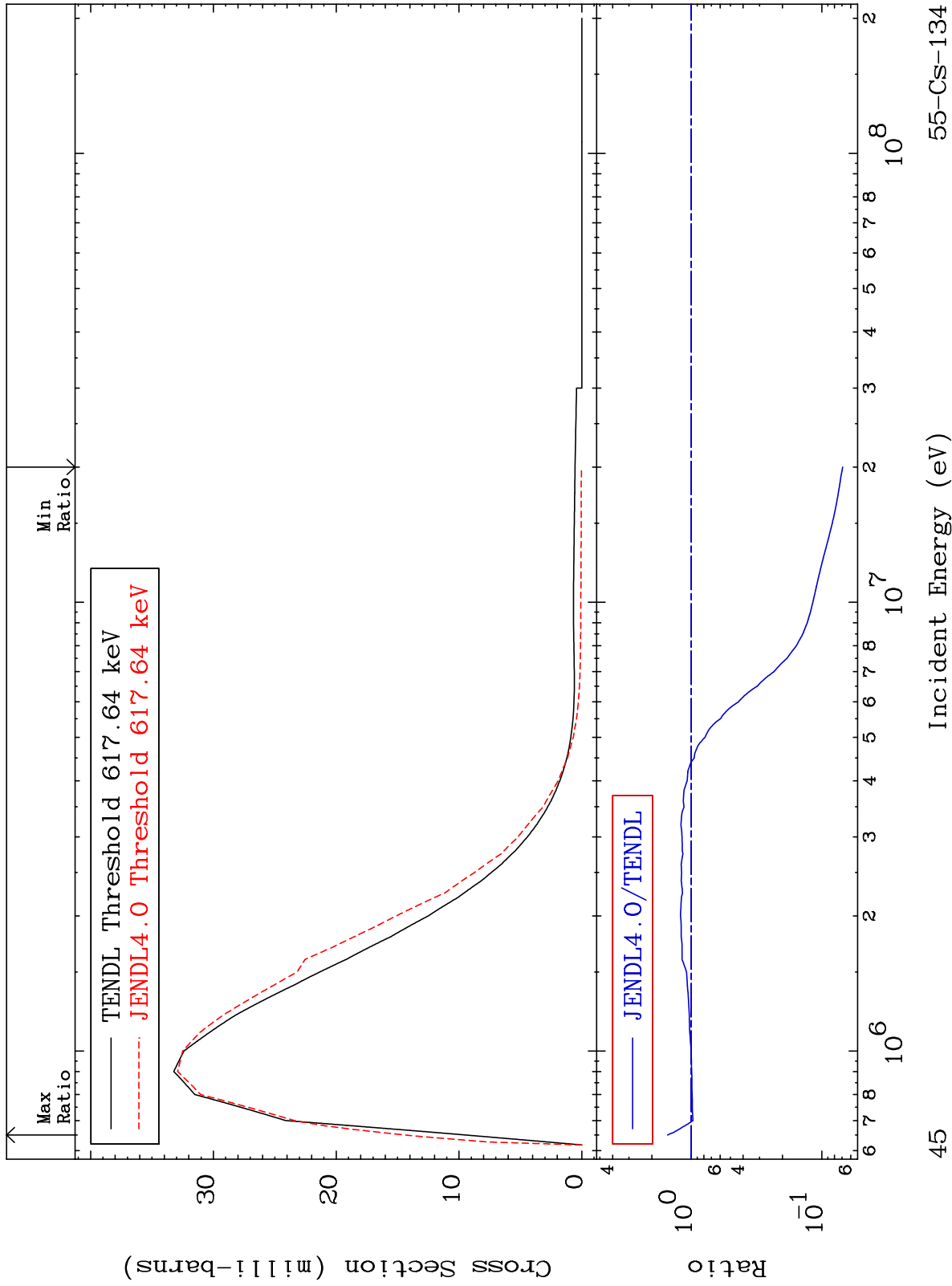
55-Cs-134
-77.33 To 9999. %



MAT 5528 MT= 79 (n,n') Level Cross Section 55-Cs-134 -96.75 To 114.5 %



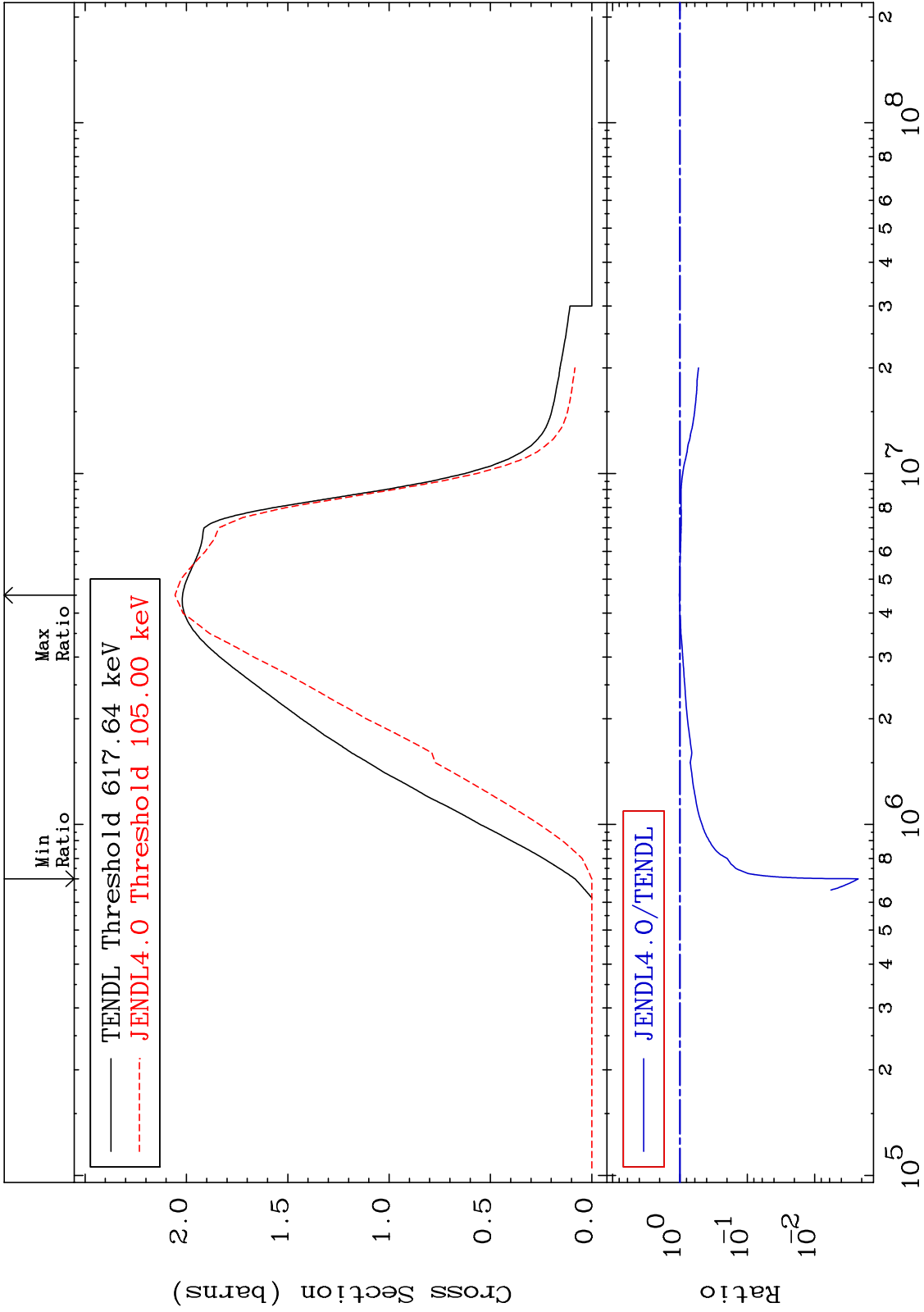
MAT 5528 MT= 80 (n,n') Level Cross Section 55-Cs-134 -93.08 To 51.72 %



MAT 5528

(n,n') Continuum
Cross Section

55-Cs-134
-99.77 To 1.852 %



46

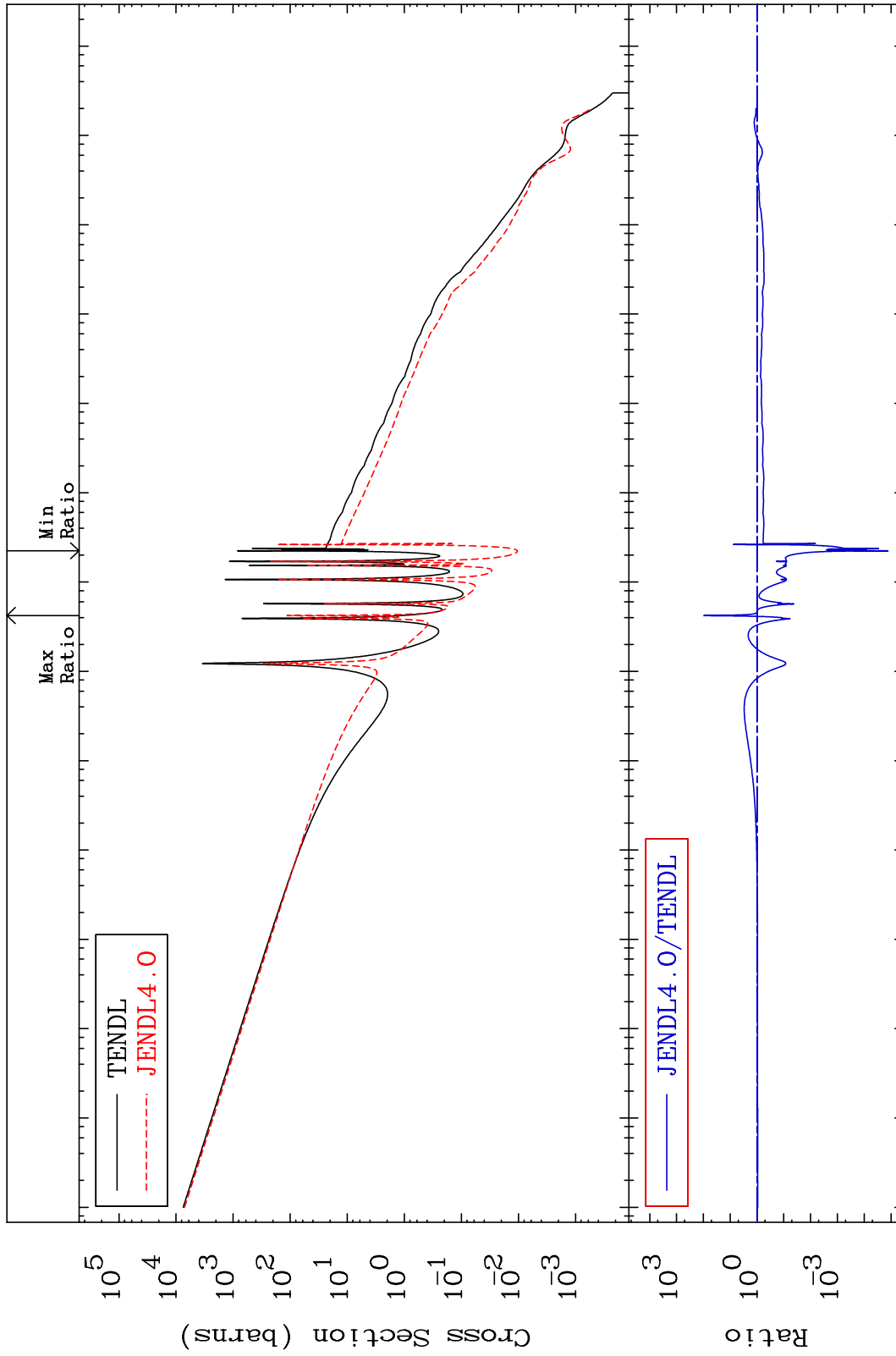
Incident Energy (eV)

55-Cs-134

MAT 5528

(n, γ)
Cross Section

55-Cs-134
-100.0 To 9674. %



Incident Energy (eV)

55-Cs-134

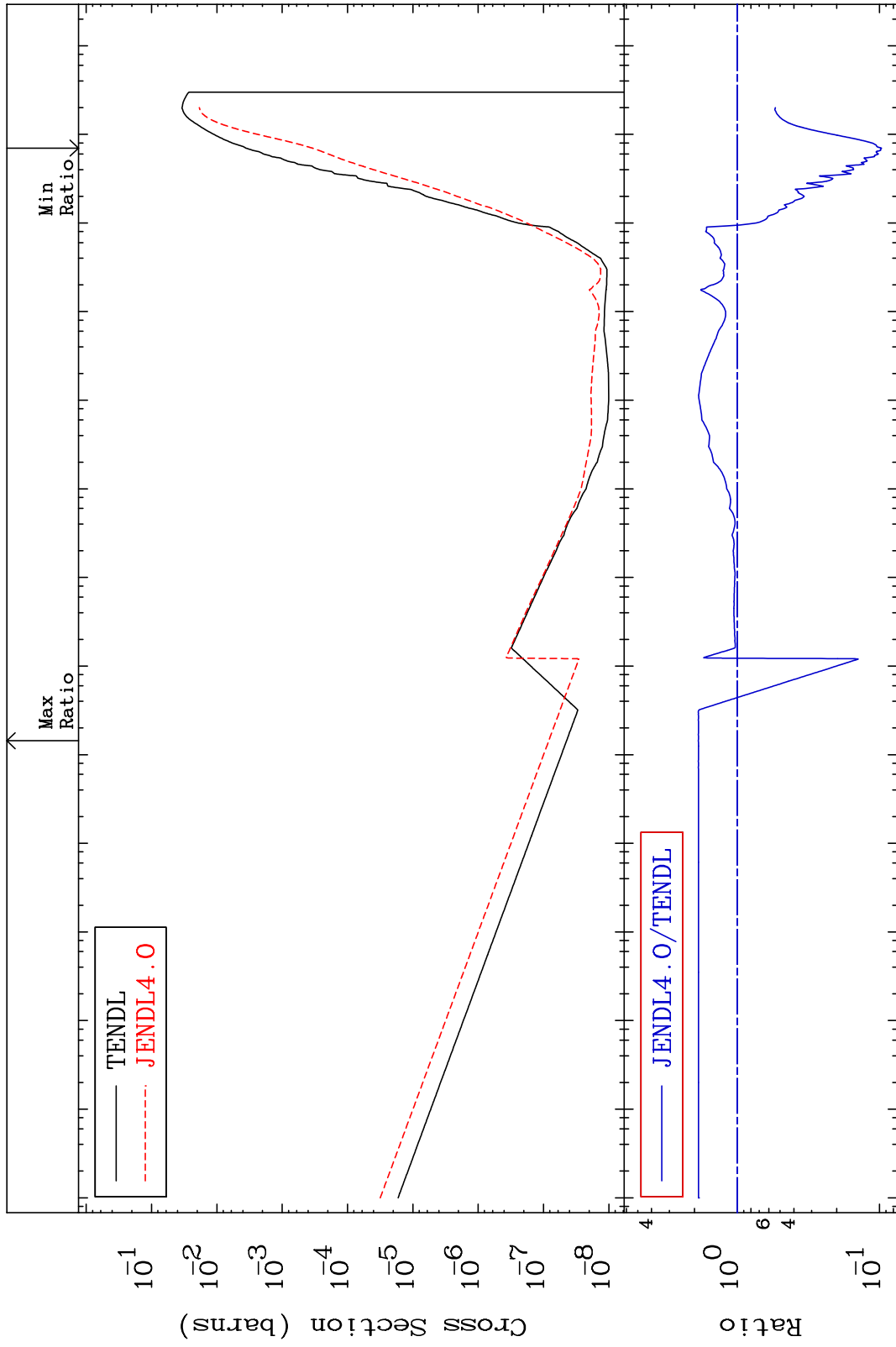
MAT 5528

(n,p)

55-Cs-134

Cross Section

-90.32 To 87.54 %



48

Incident Energy (eV)

55-Cs-134

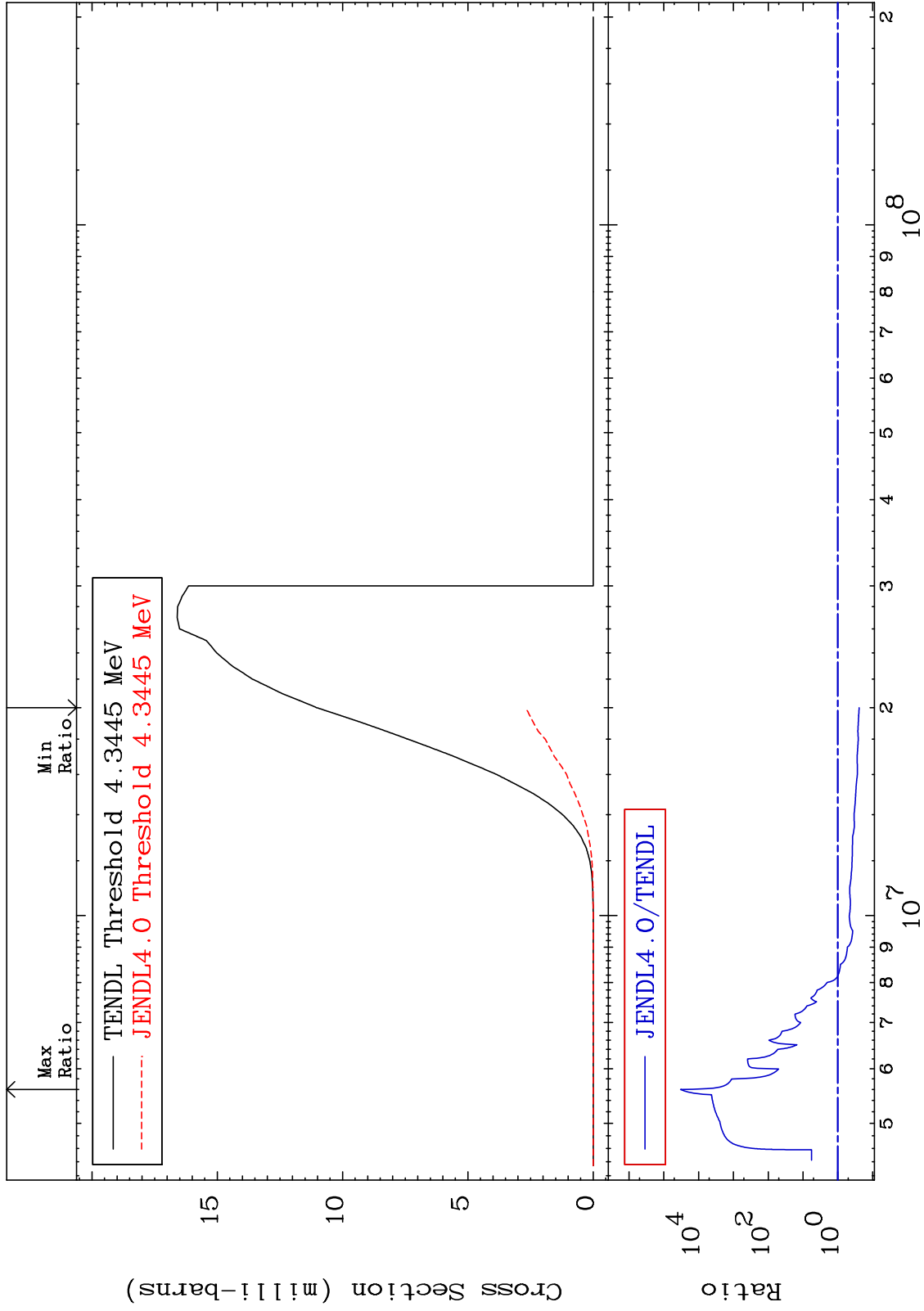
MAT 5528

(n, d)

55-Cs-134

Cross Section

-75.62 To 9999. %



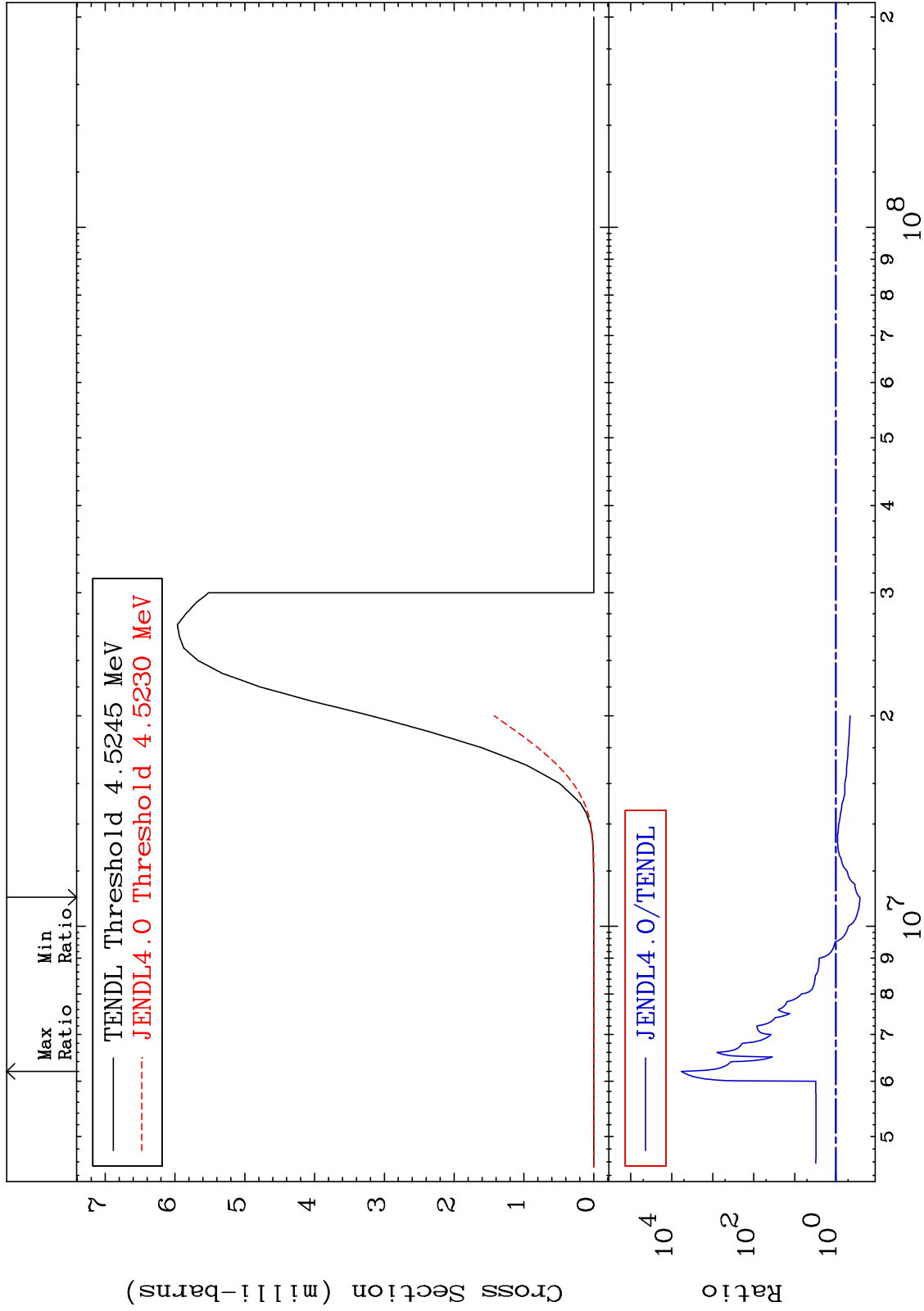
MAT 5528

(n, t)

55-Cs-134

Cross Section

-74.28 To 9999. %



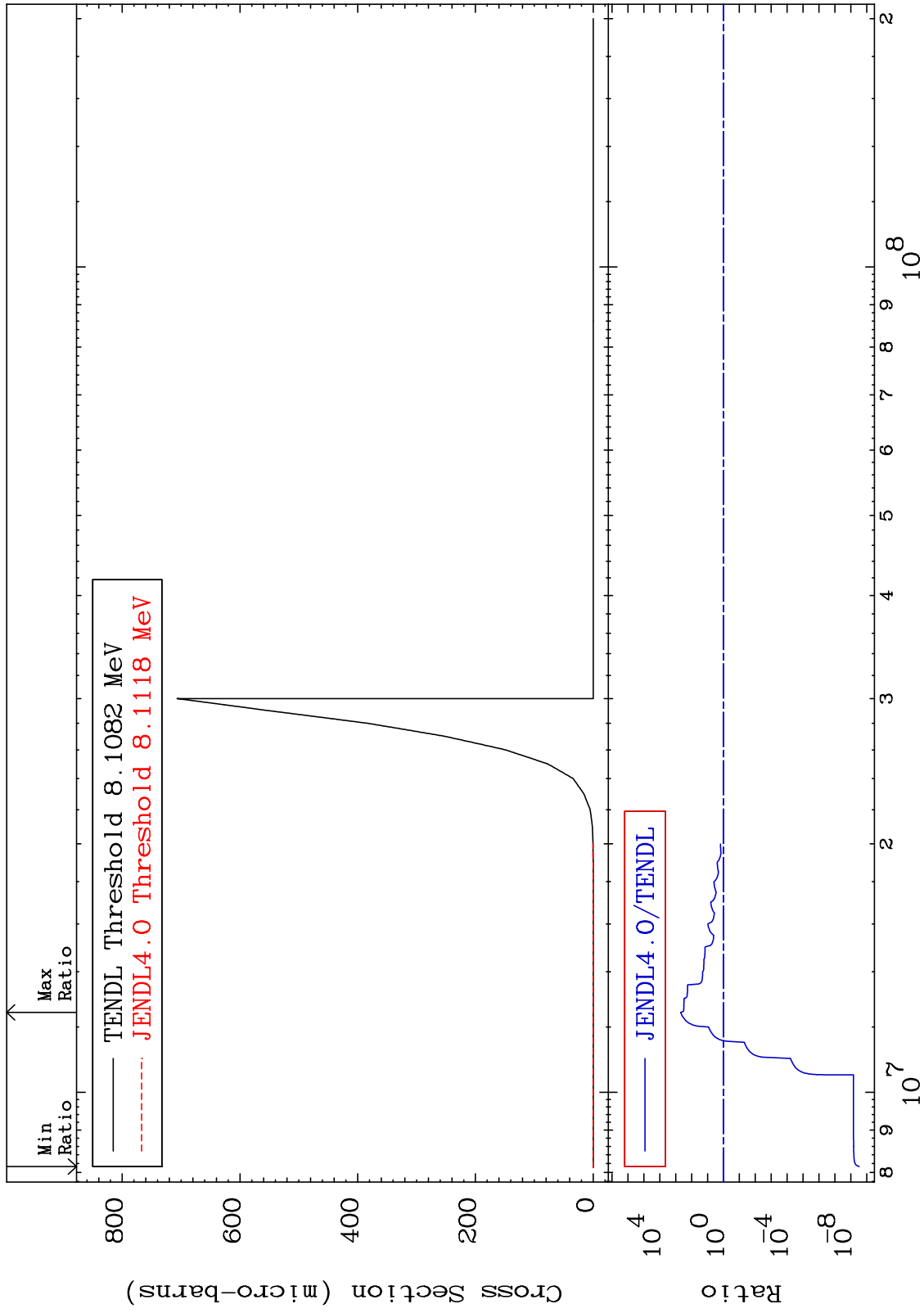
MAT 5528

(n, He-3)

55-Cs-134

Cross Section

-100.0 To 9999. %



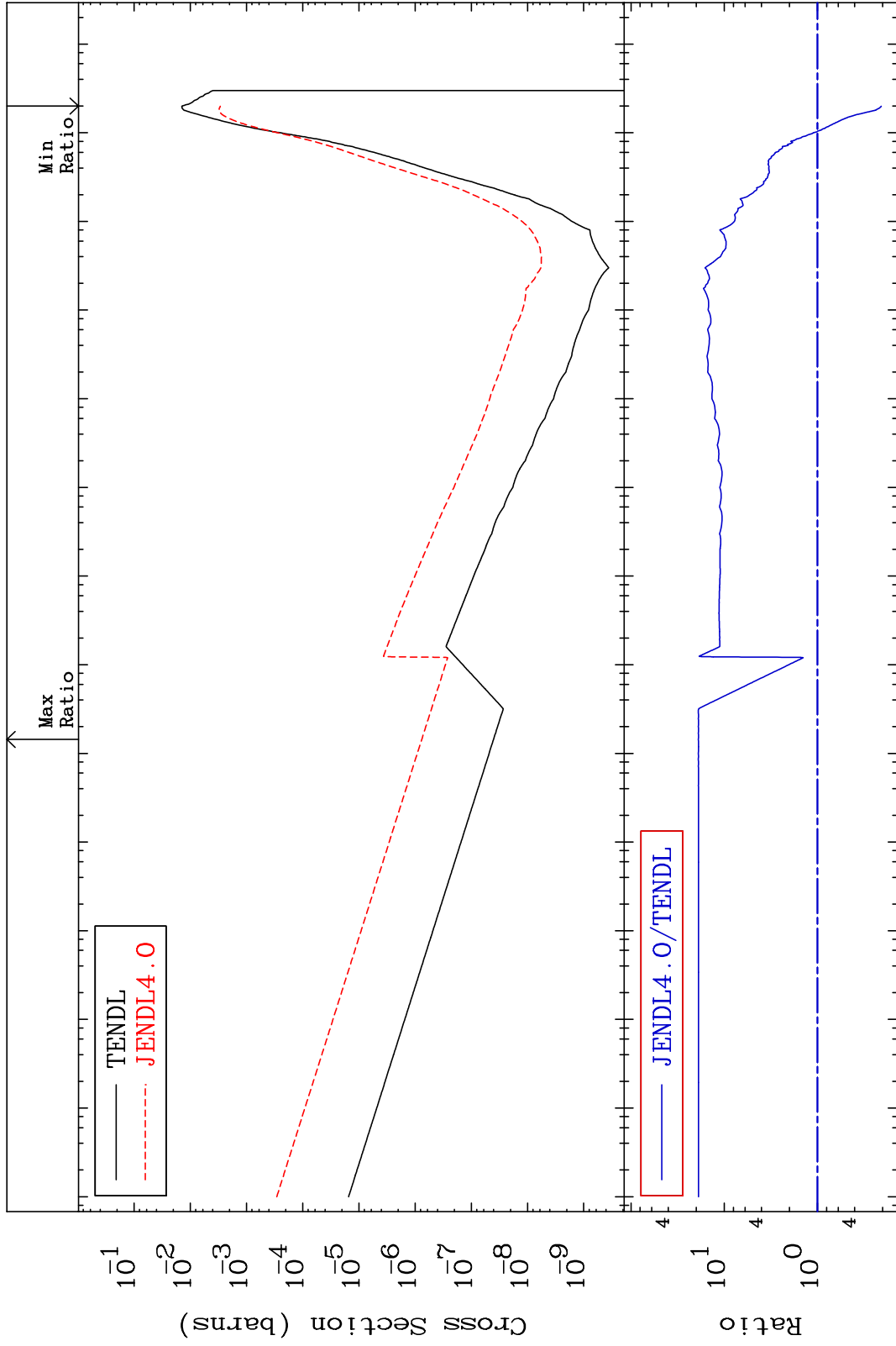
MAT 5528

(n, α)

55-Cs-134

Cross Section

-79.43 To 1799. %



52

Incident Energy (eV)

55-Cs-134

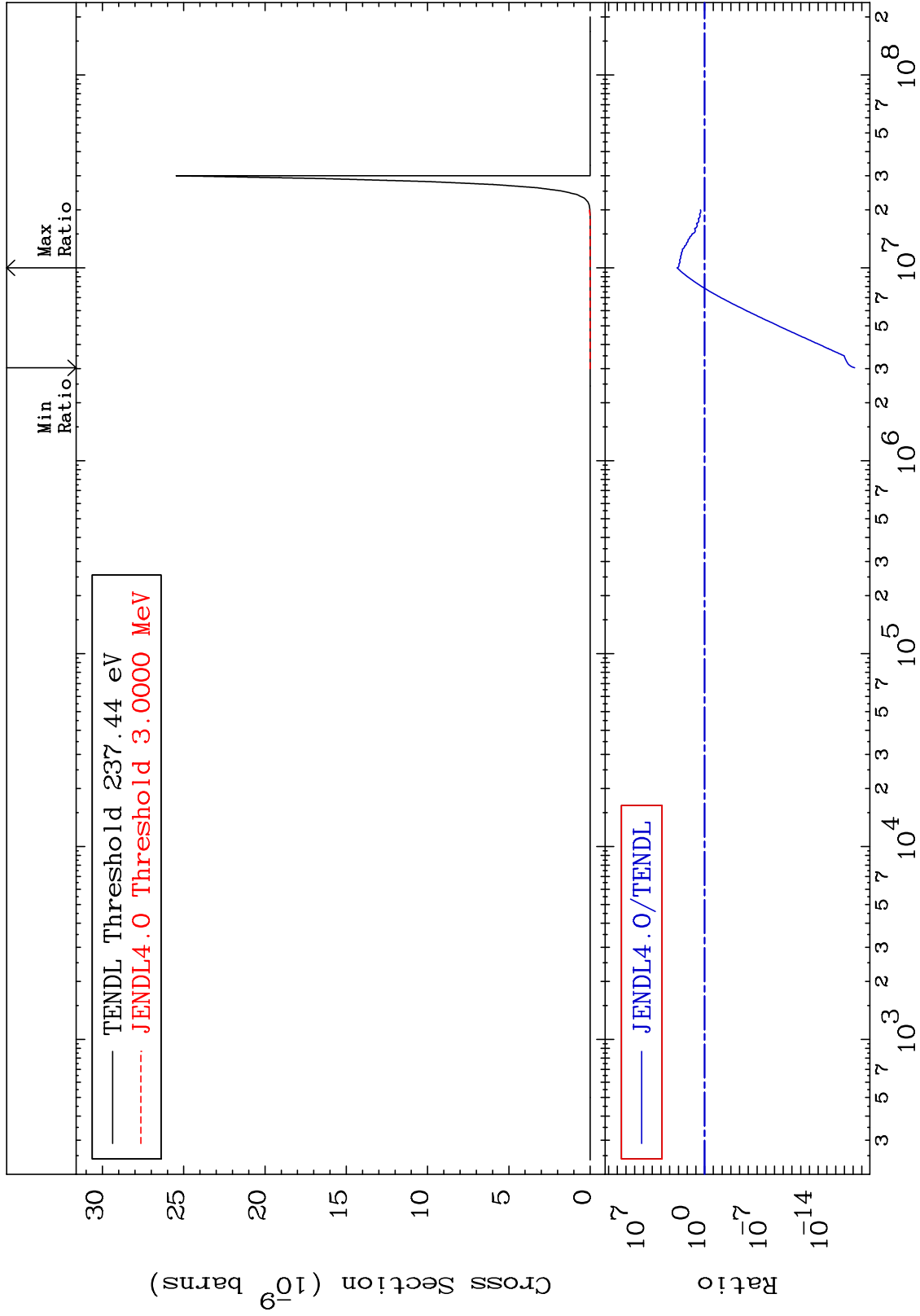
MAT 5528

(n,2α)

55-Cs-134

Cross Section

-100.0 To 9999. %



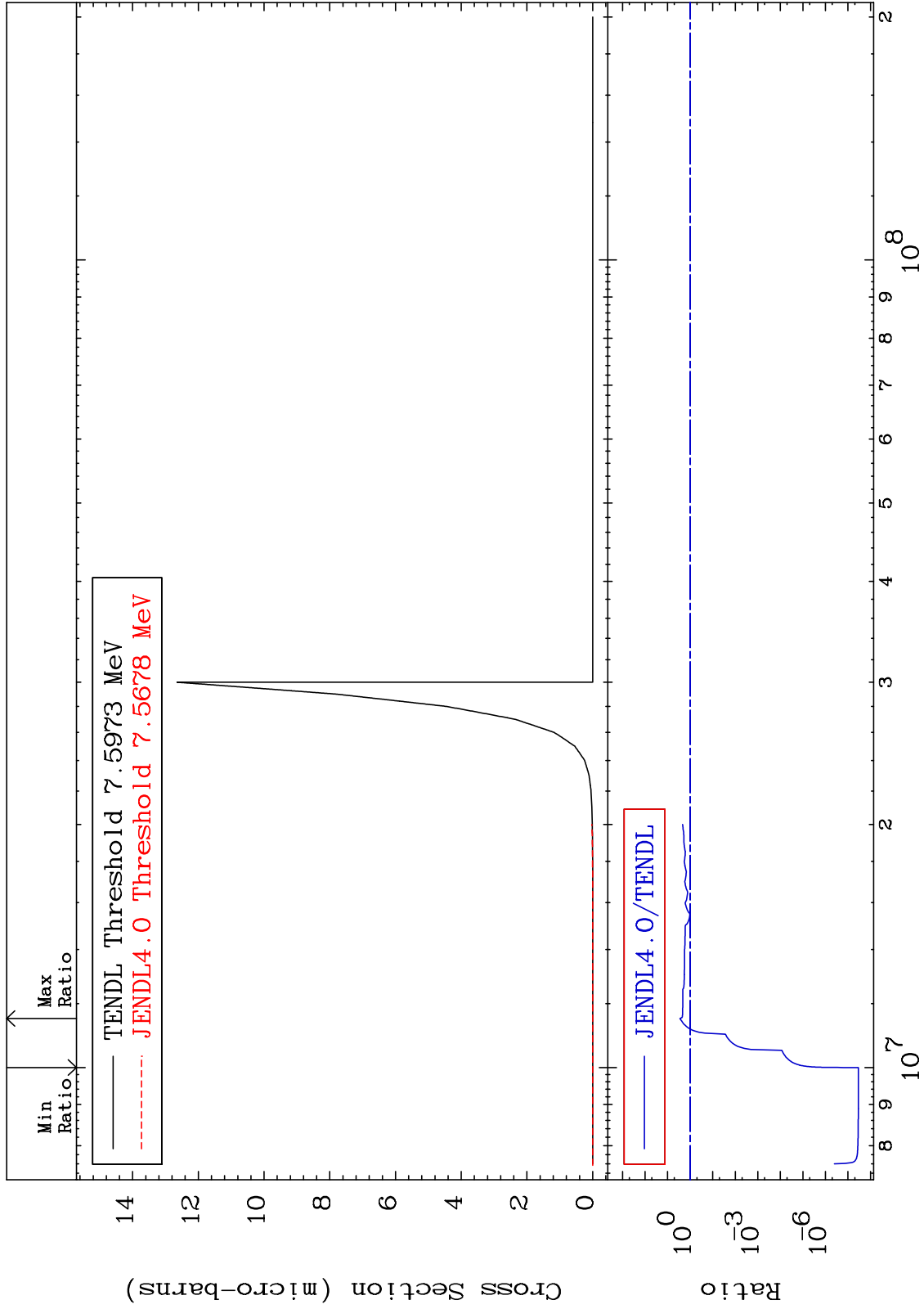
MAT 5528

(n,2p)

55-Cs-134

Cross Section

-100.0 To 181.1 %



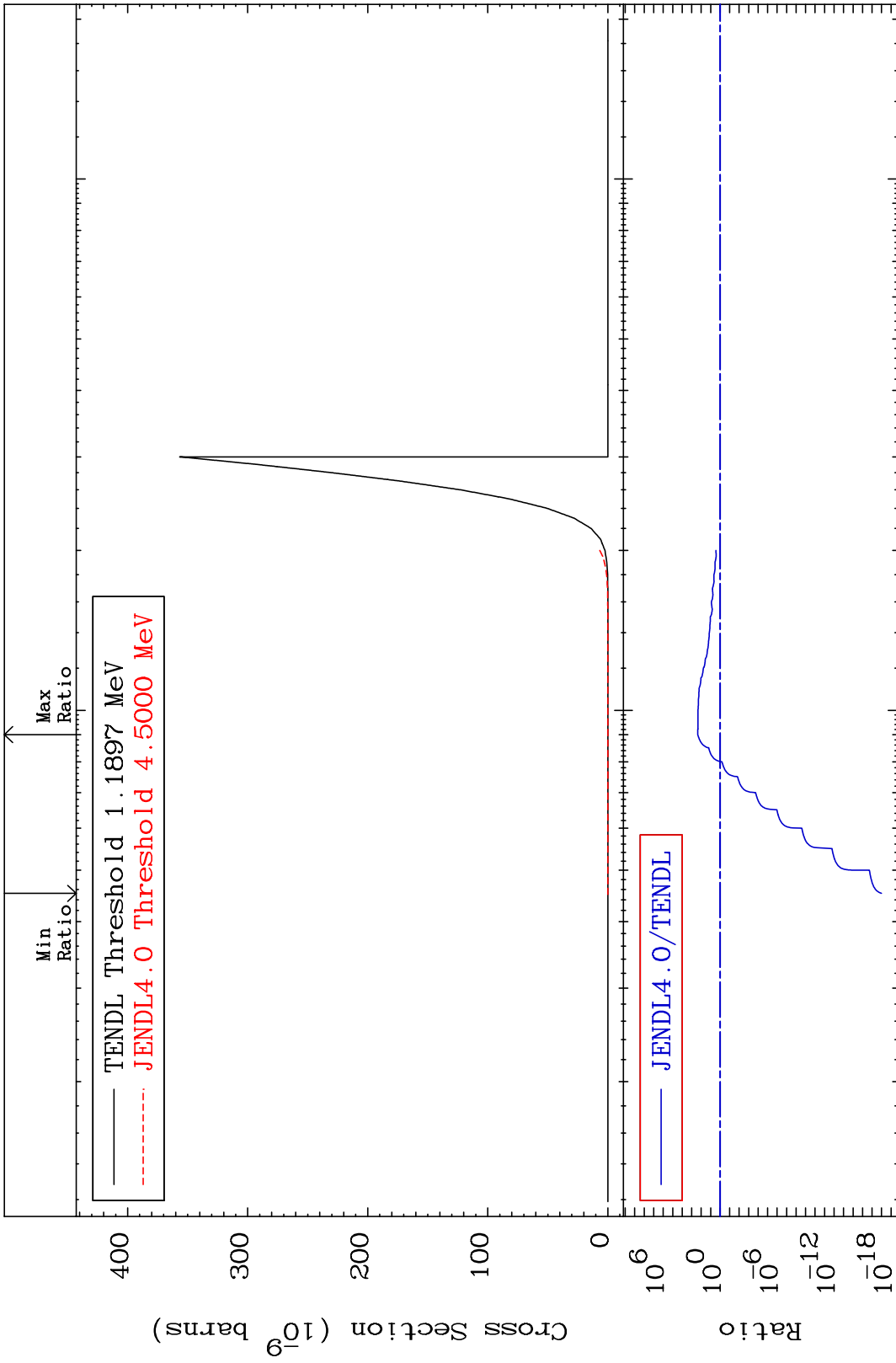
MAT 5528

(n,p) α

55-Cs-134

-100.0 To 9999. %

Cross Section



55-Cs-134

Incident Energy (eV)

55

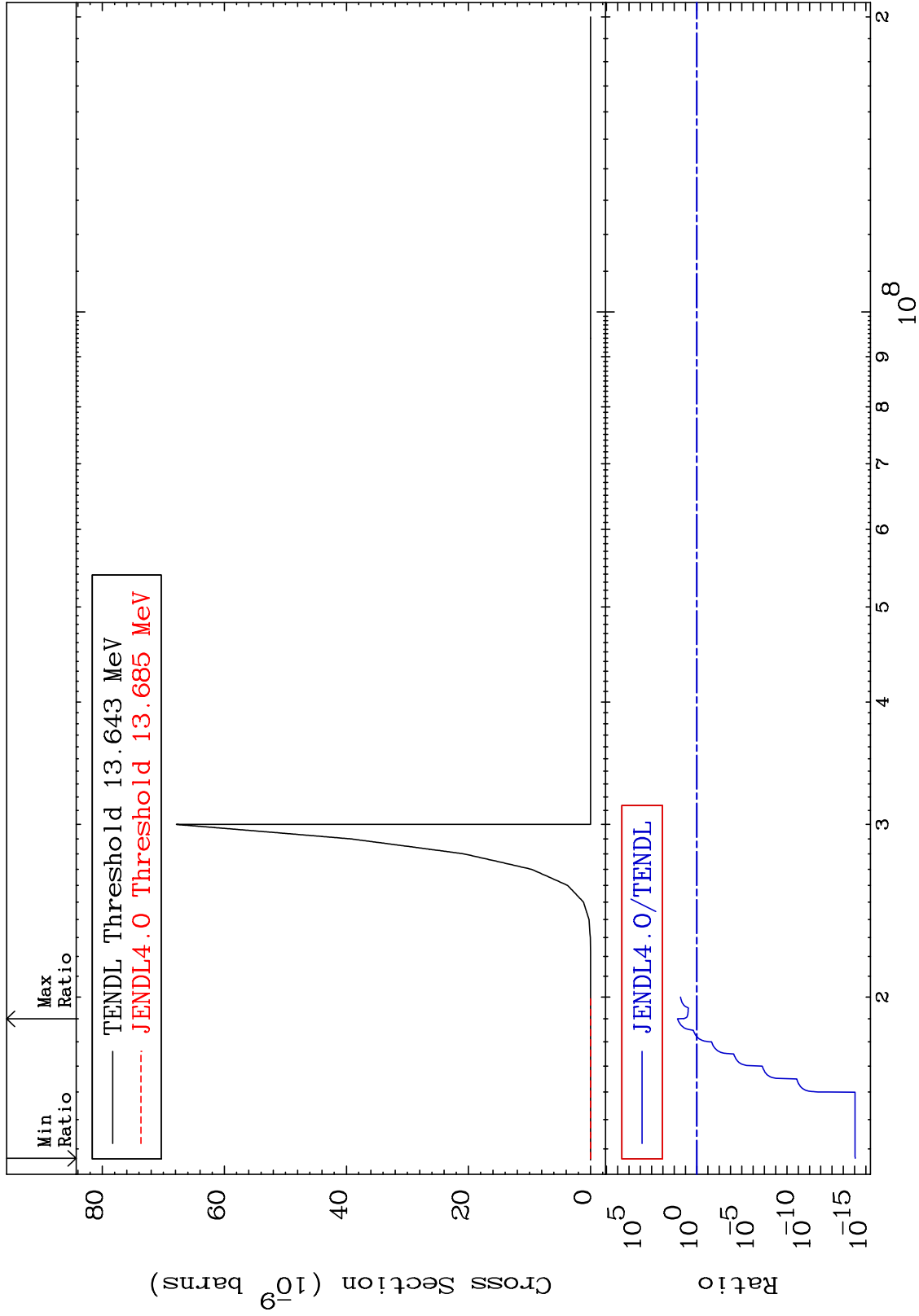
MAT 5528

(n,p) d

55-Cs-134

Cross Section

-100.0 To 4921. %



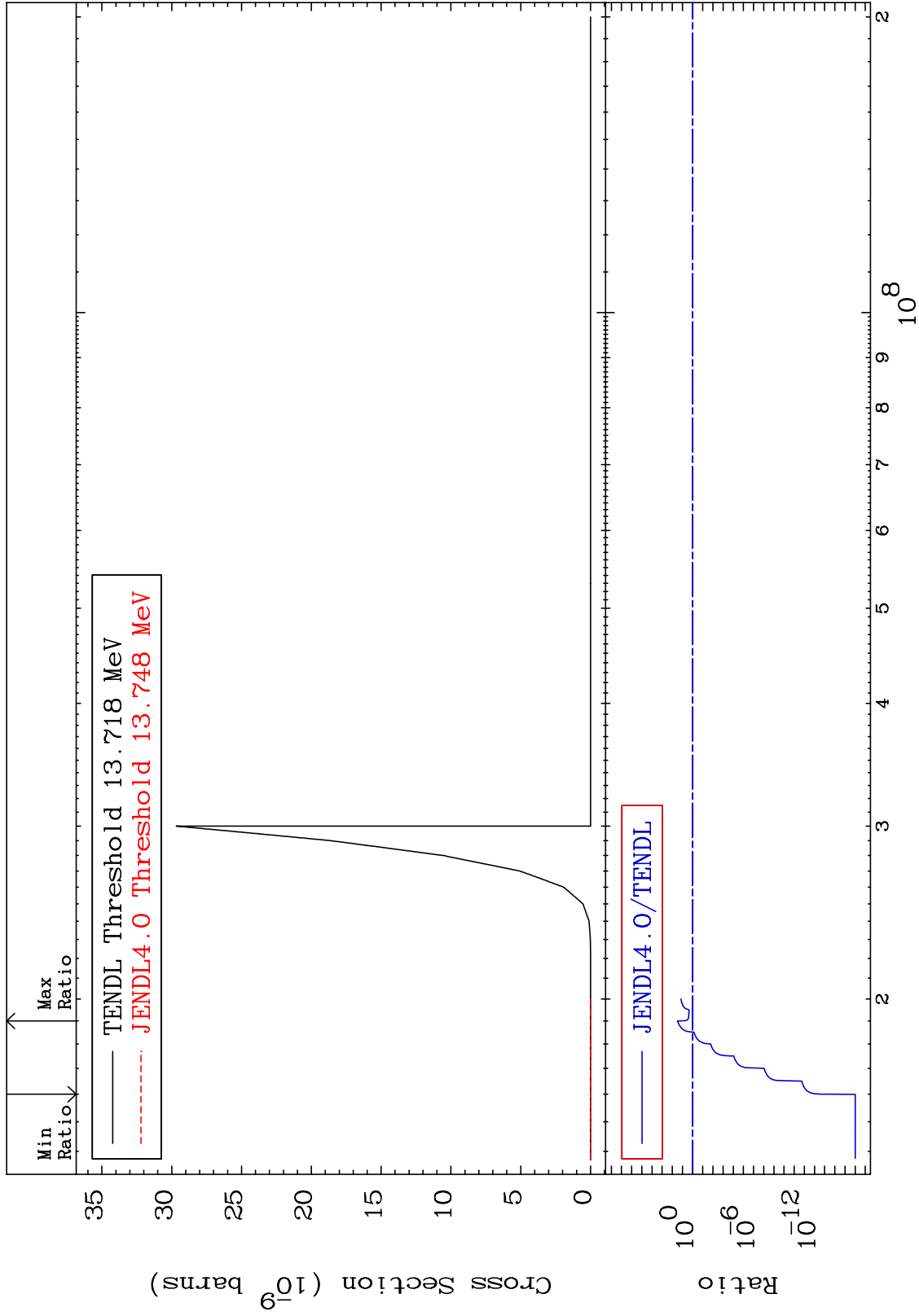
MAT 5528

(n,p) t

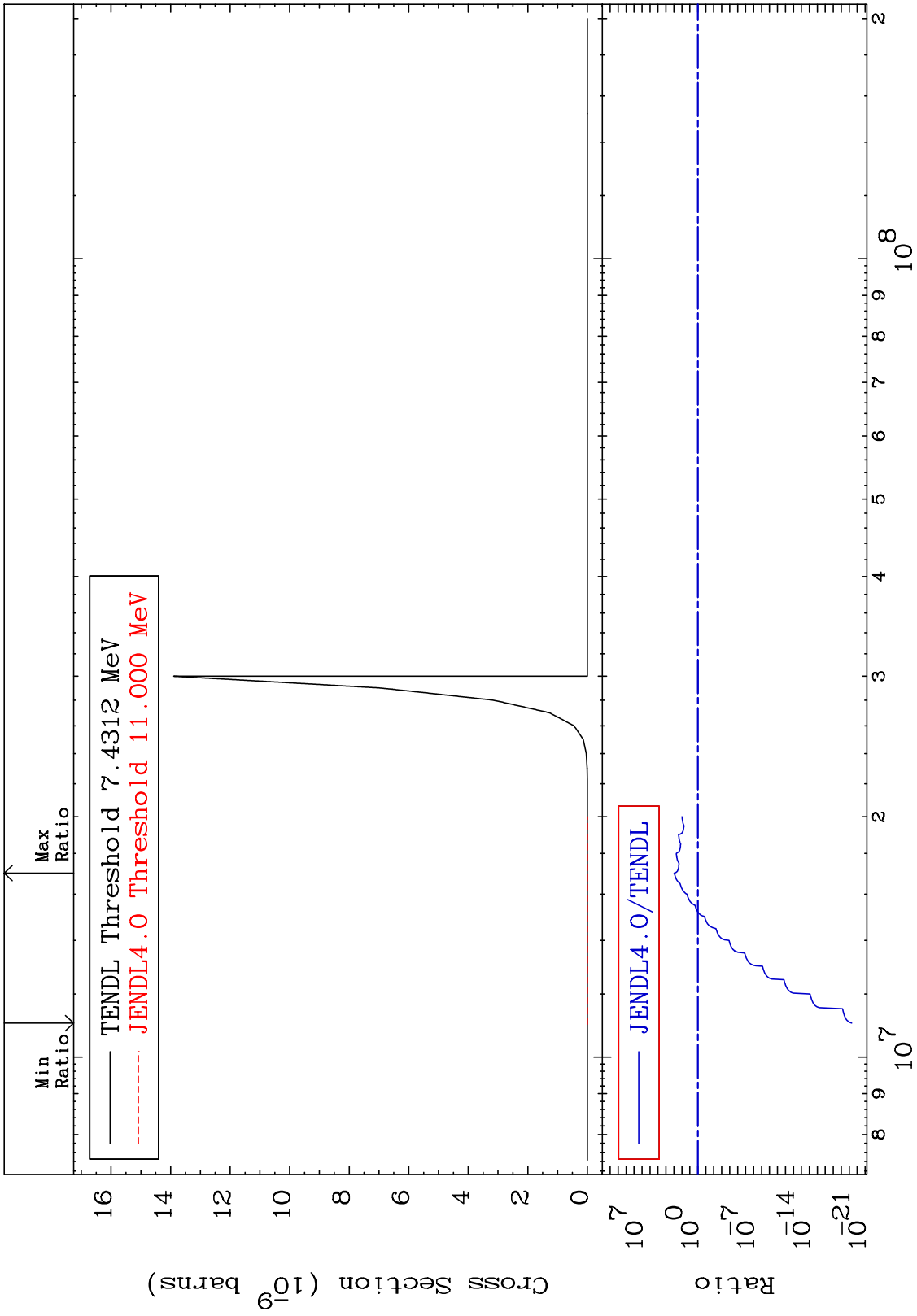
55-Cs-134

Cross Section

-100.0 To 2938. %



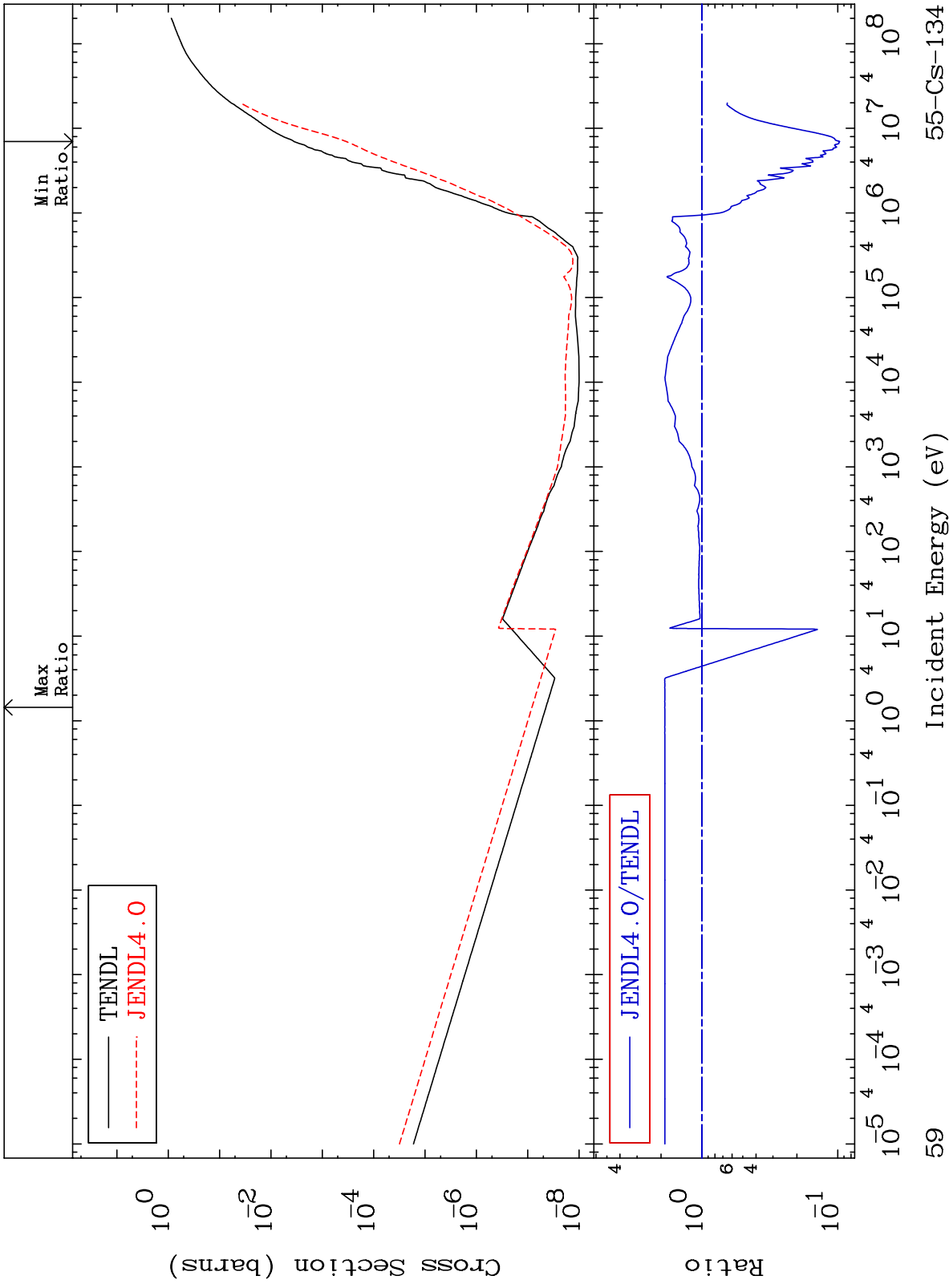
MAT 5528 (n,d) α 55-Cs-134
Cross Section -100.0 To 9999. %



MAT 5528

Hydrogen Production
Cross Section

55-Cs-134
-90.32 To 87.54 %



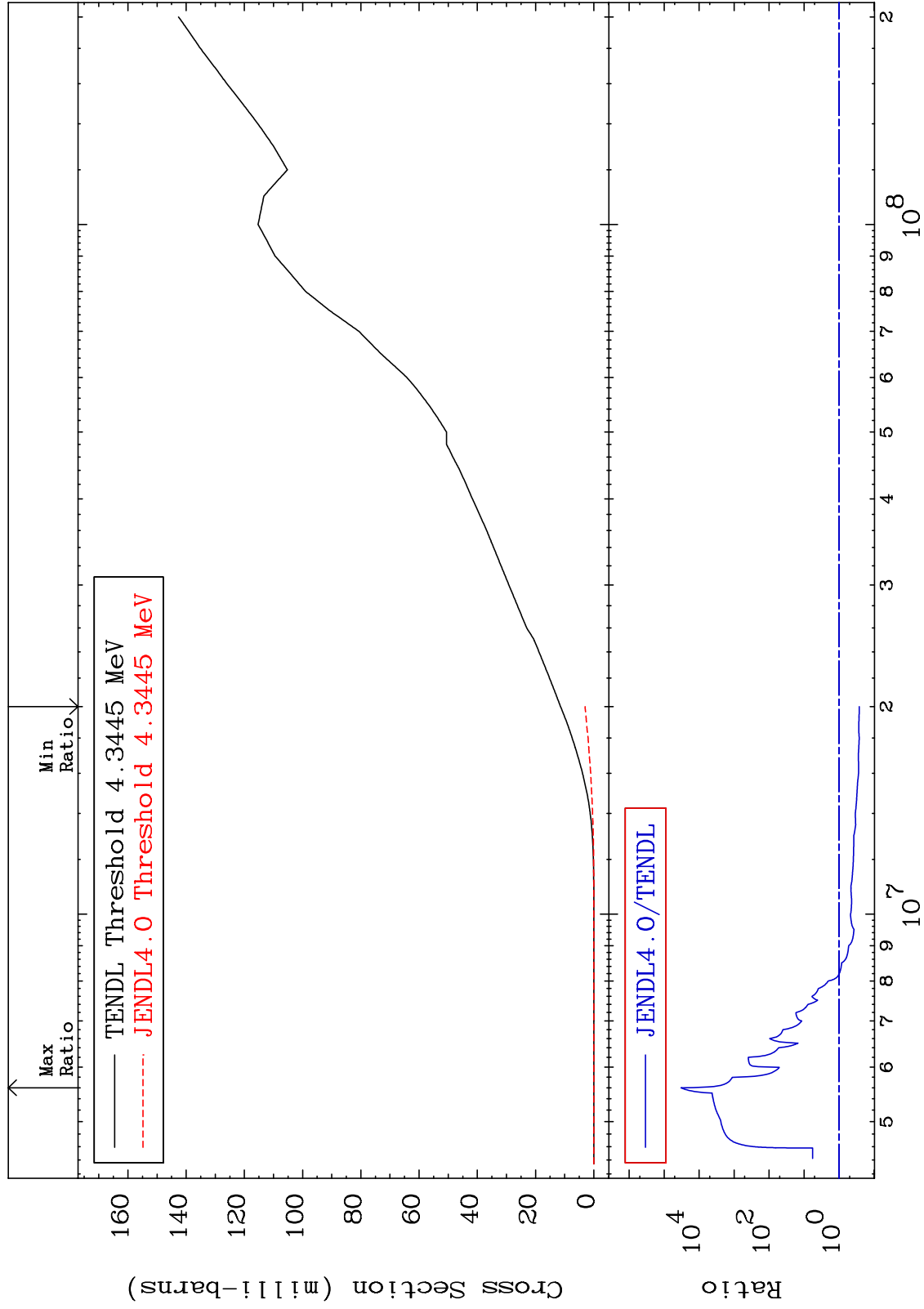
59

55-Cs-134

MAT 5528

Deuterium Production
Cross Section

55-Cs-134
-73.65 To 9999. %



60

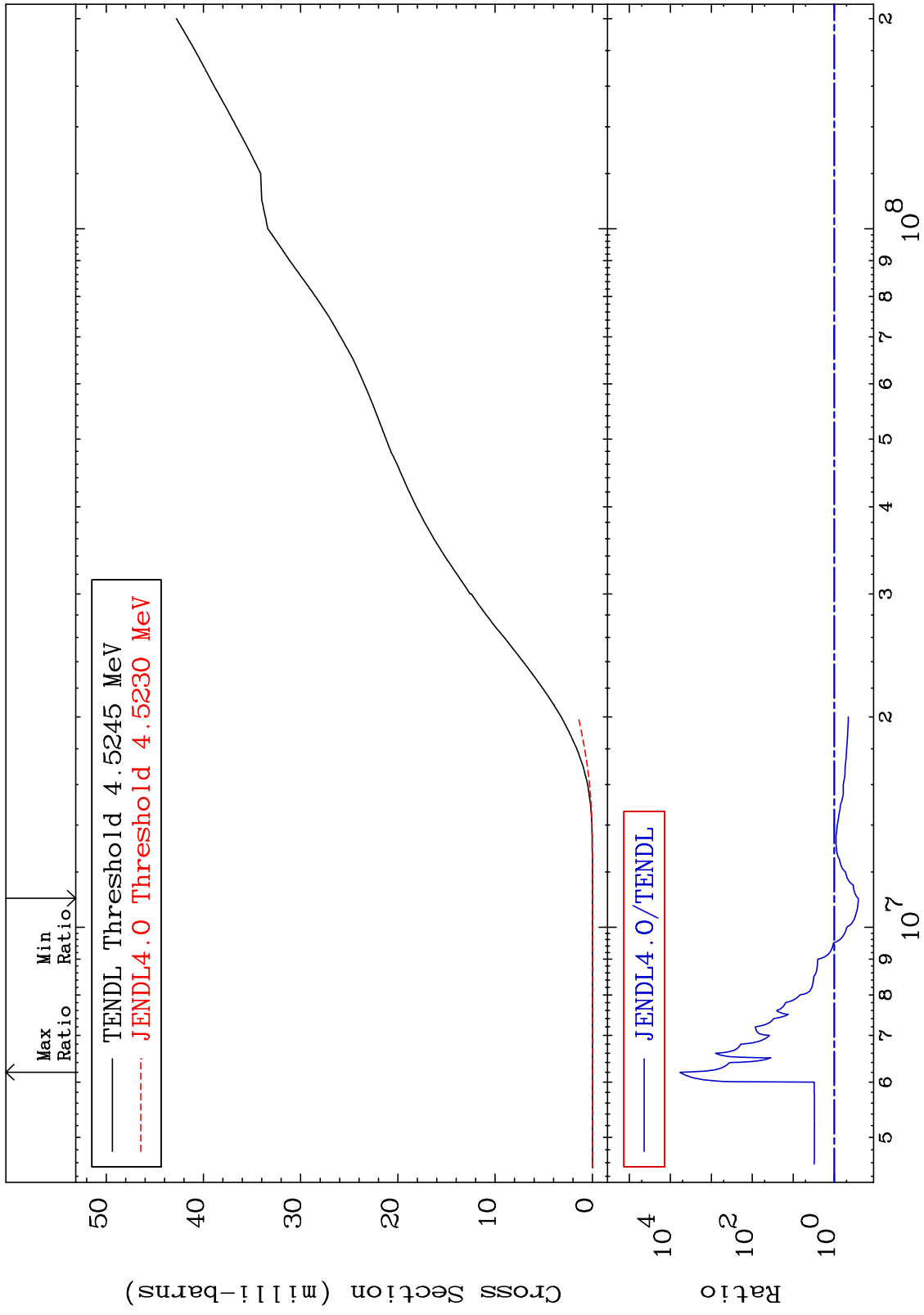
Incident Energy (eV)

55-Cs-134

MAT 5528

Tritium Production
Cross Section

55-Cs-134
-74.28 To 9999. %



61

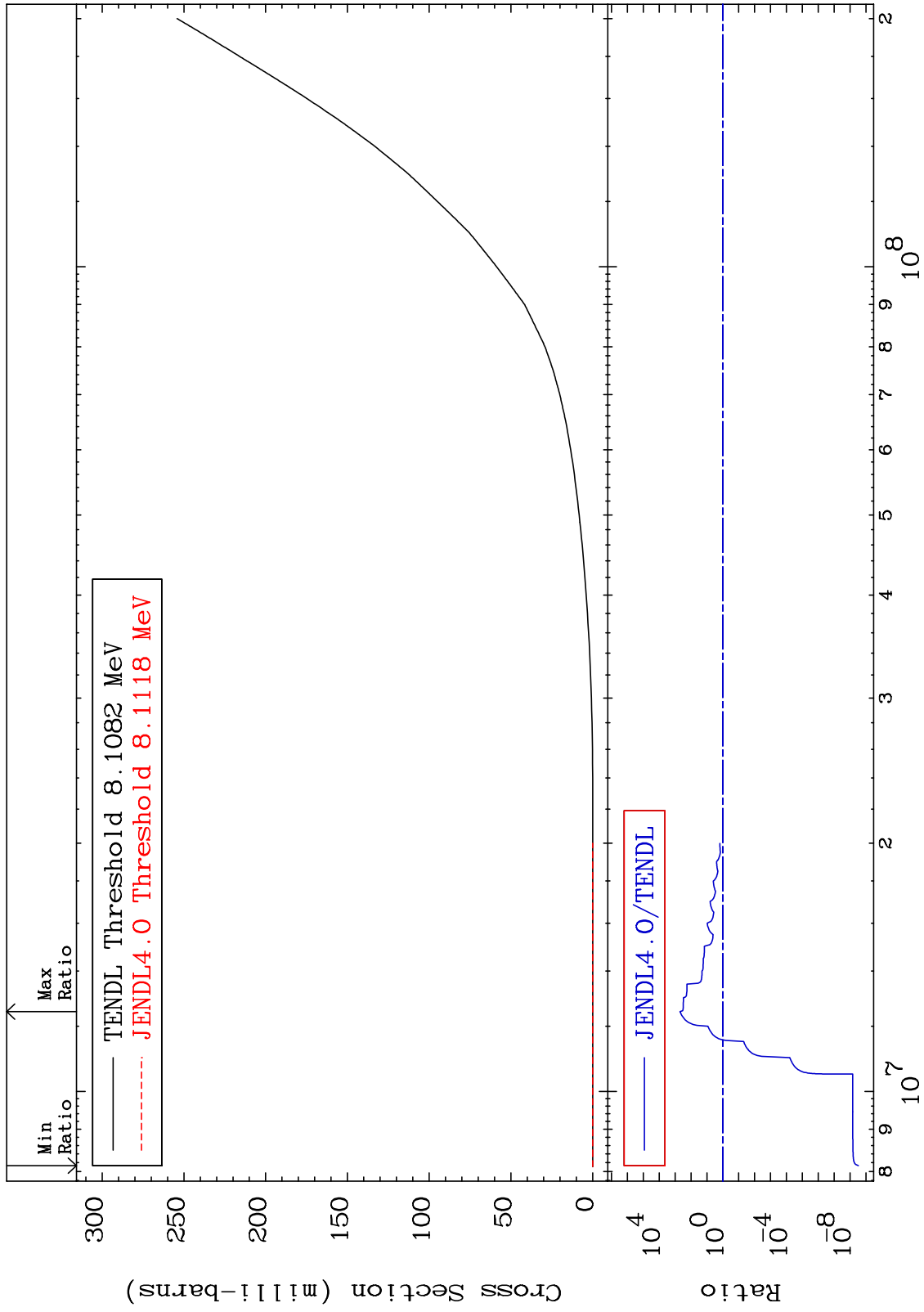
Incident Energy (eV)

55-Cs-134

MAT 5528

He-3 Production
Cross Section

55-Cs-134
-100.0 To 9999. %



62

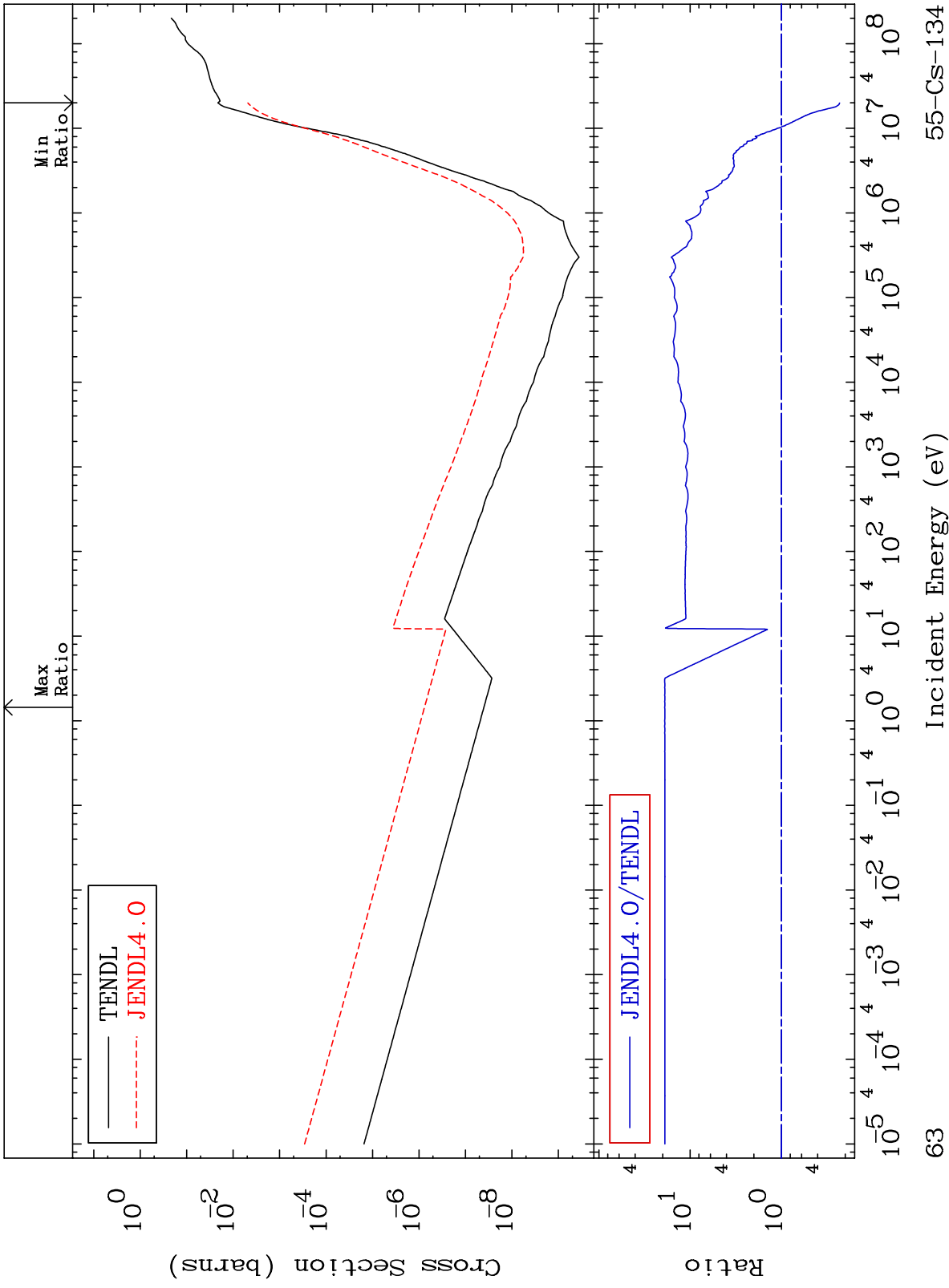
Incident Energy (eV)

55-Cs-134

MAT 5528

He-4 Production
Cross Section

55-Cs-134
-77.04 To 1799. %



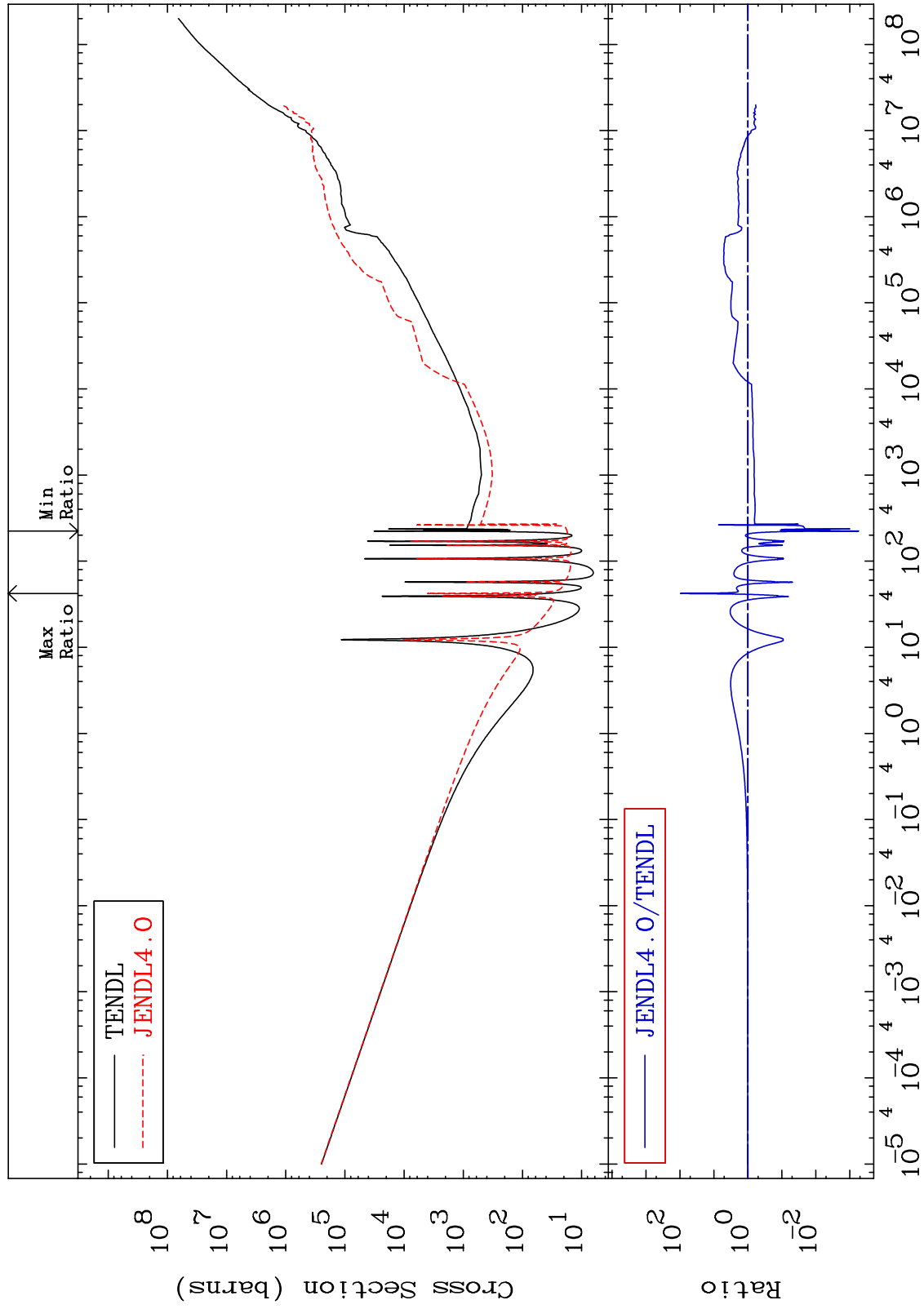
63

55-Cs-134

MAT 5528

Kerma total (eV-barns)
Cross Section

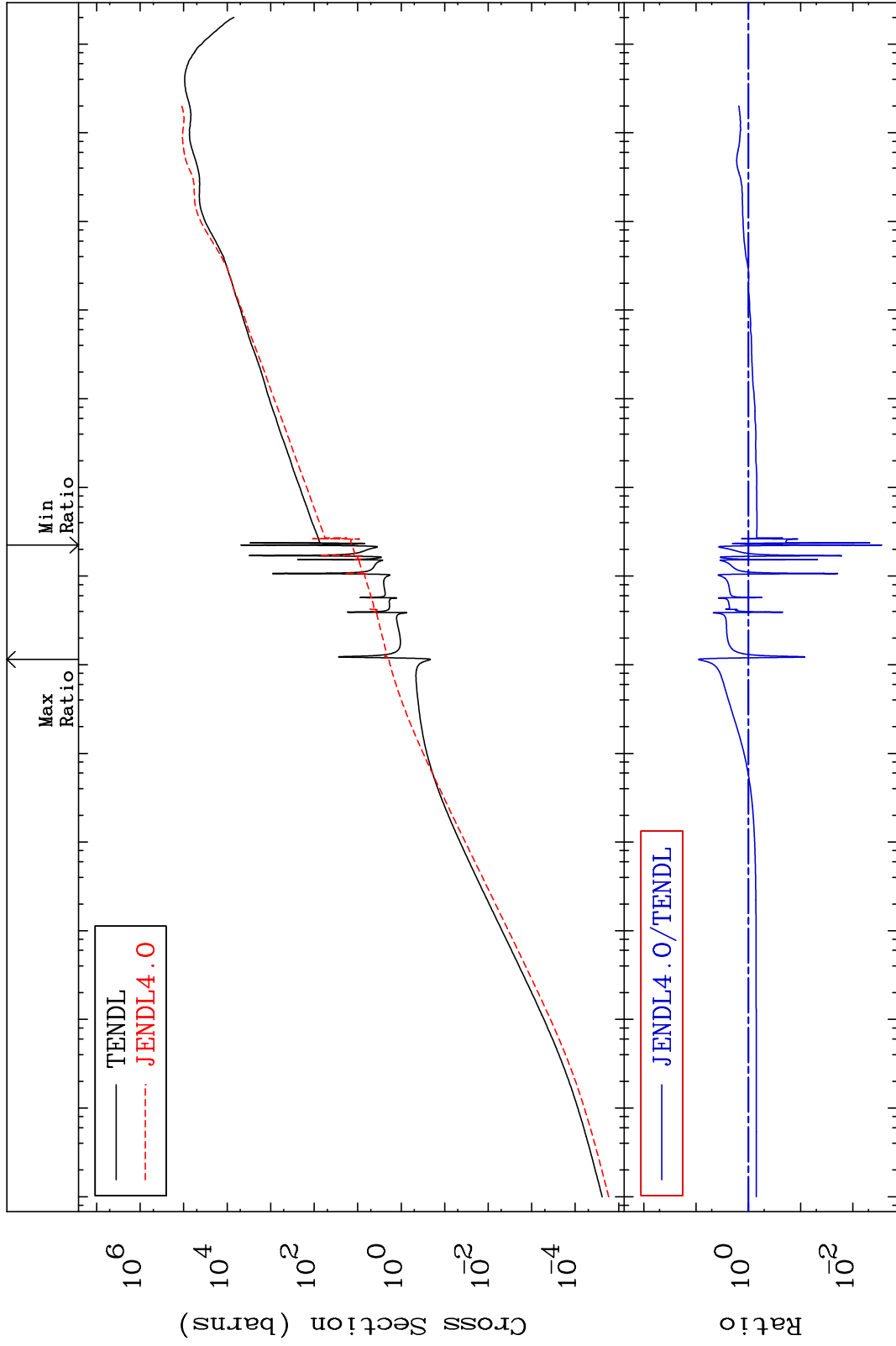
55-Cs-134
-99.95 To 9529. %



MAT 5528

Kerma elastic
Cross Section

55-Cs-134
-99.72 To 805.1 %

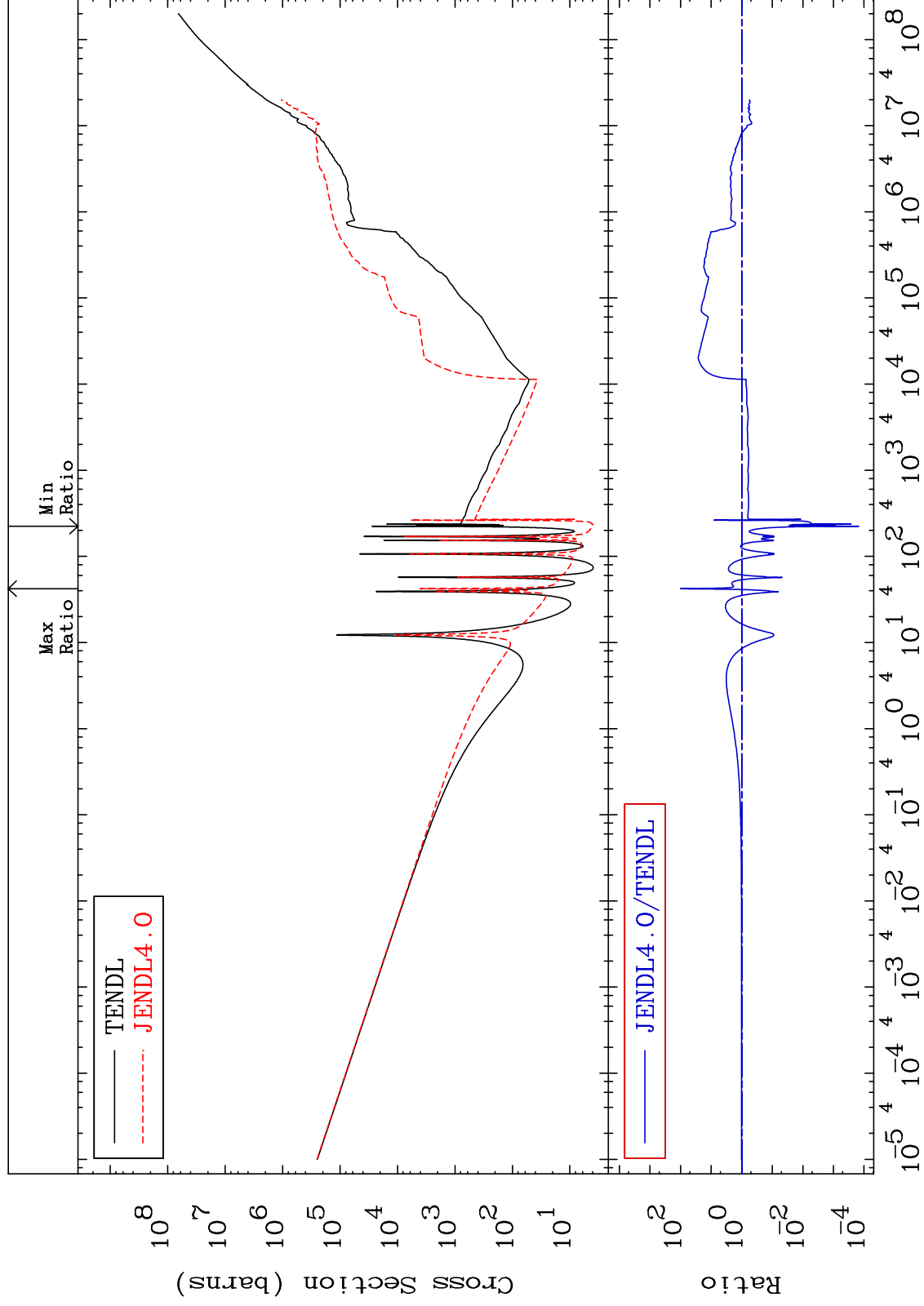


65
55-Cs-134

MAT 5528

Kerma non-elastic (all but mt2)
Cross Section

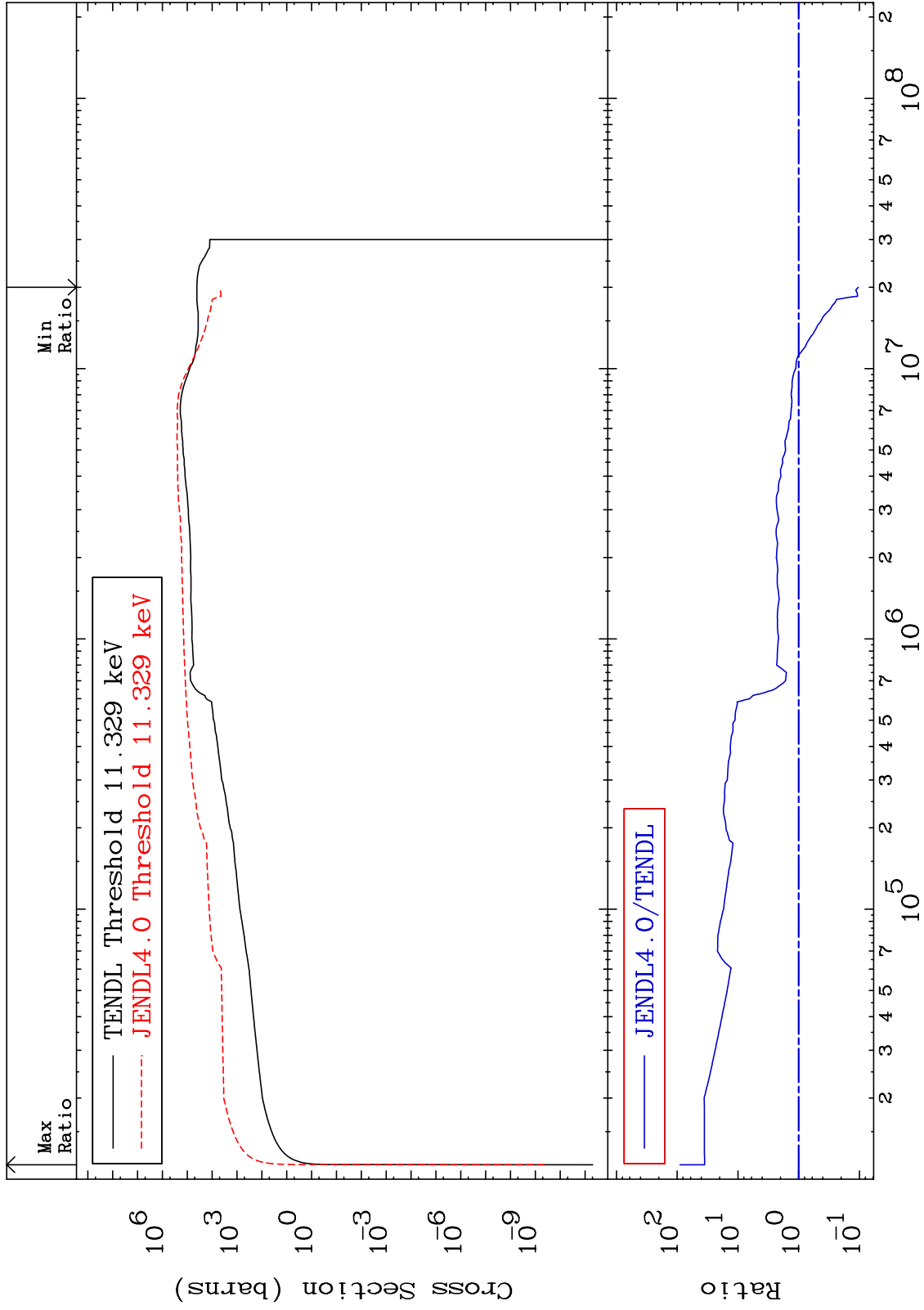
55-Cs-134
-99.98 To 9994. %



MAT 5528

Kerma inelastic (mt51-91)
Cross Section

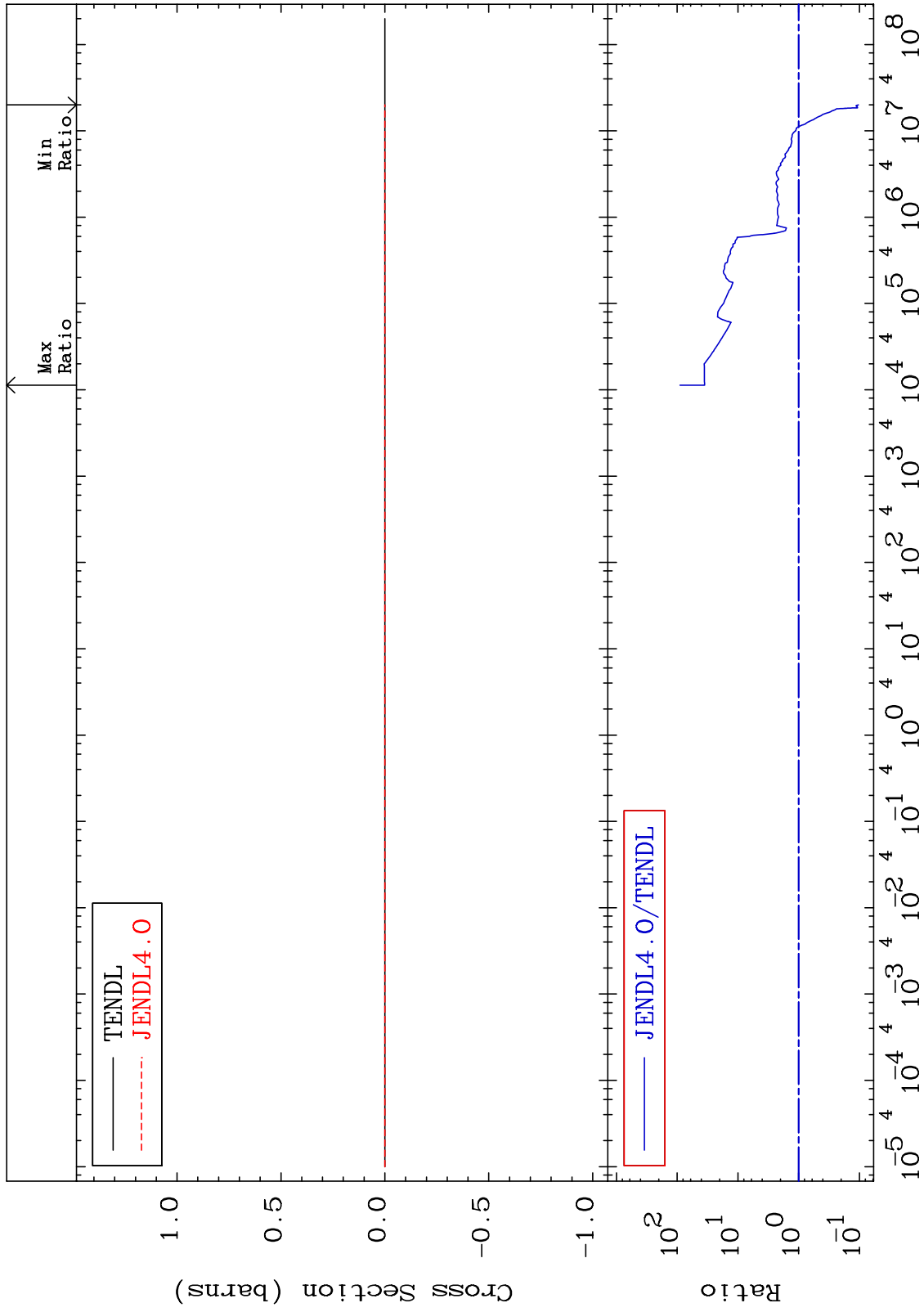
55-Cs-134
-89.59 To 8874. %



MAT 5528

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

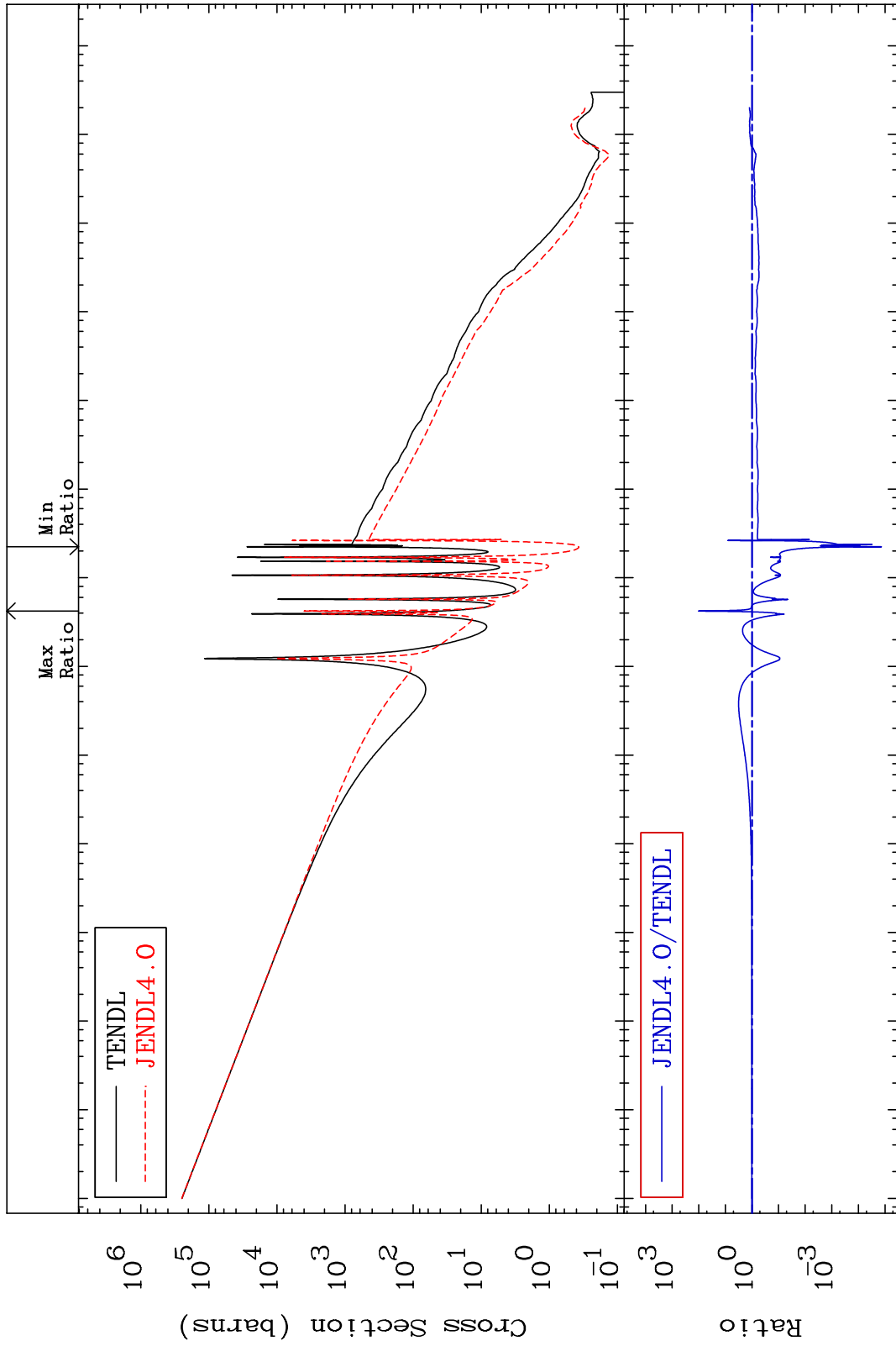
55-Cs-134
-89.59 To 8874. %



MAT 5528

Kerma capture (mt102)
Cross Section

55-Cs-134
-100.0 To 9999. %



Ratio

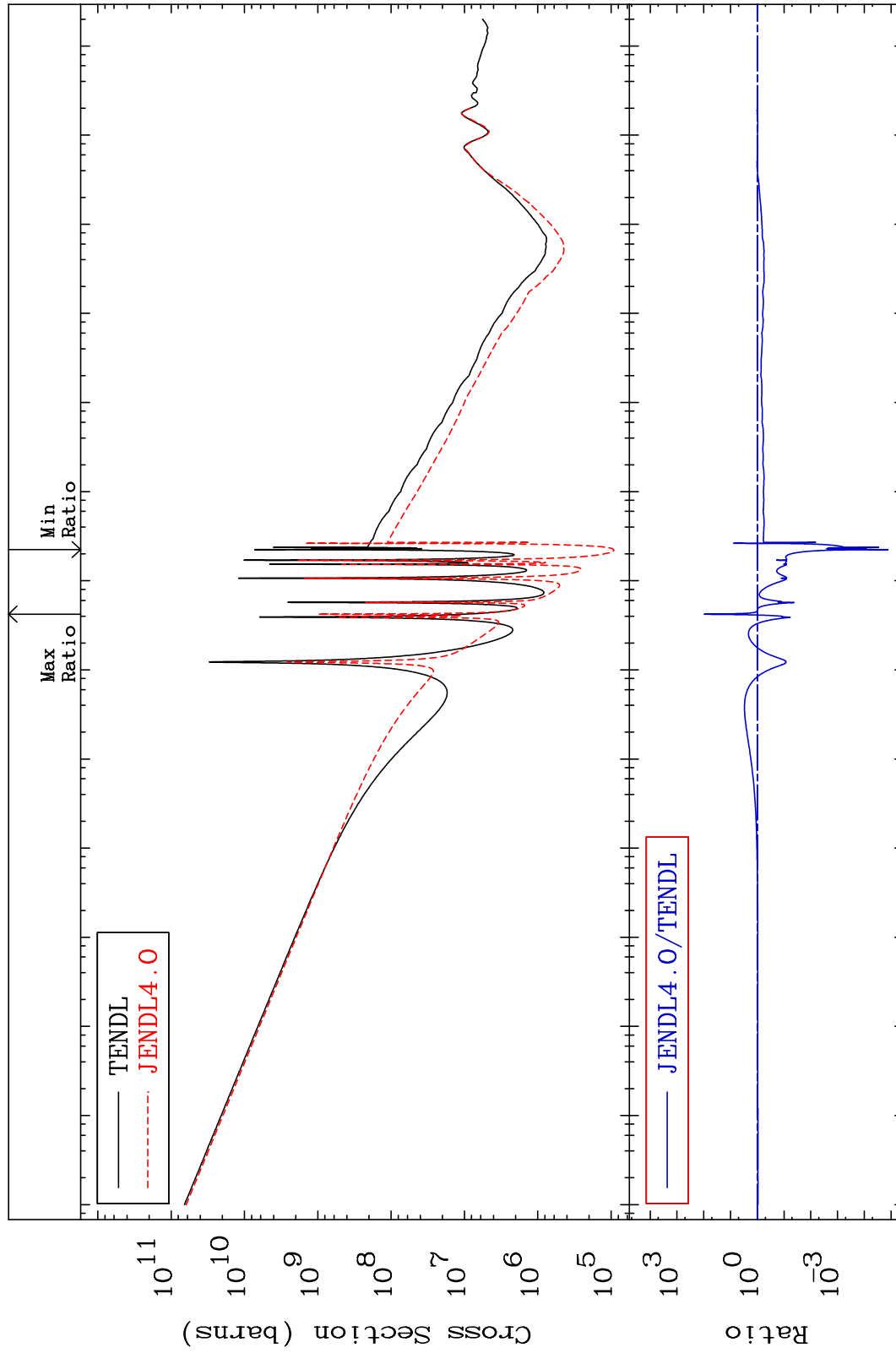
Incident Energy (eV)

55-Cs-134

MAT 5528

Total photon (eV-barns)
Cross Section

55-Cs-134
-100.0 To 9699. %



Incident Energy (eV)

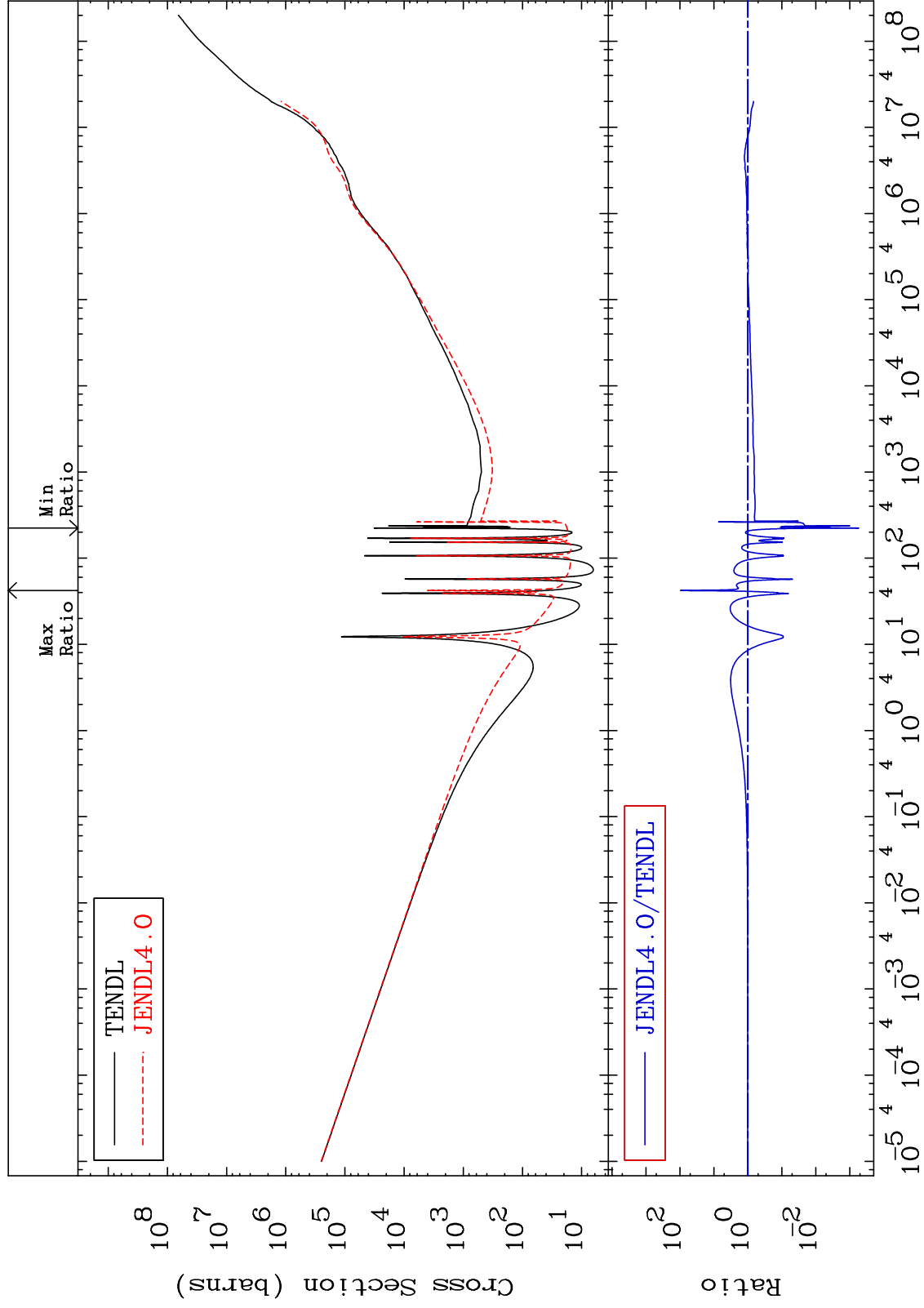
55-Cs-134

70

MAT 5528

Total kinematic kerma (high limit)
Cross Section

55-Cs-134
-99.95 To 9527. %



71

Incident Energy (eV)

55-Cs-134

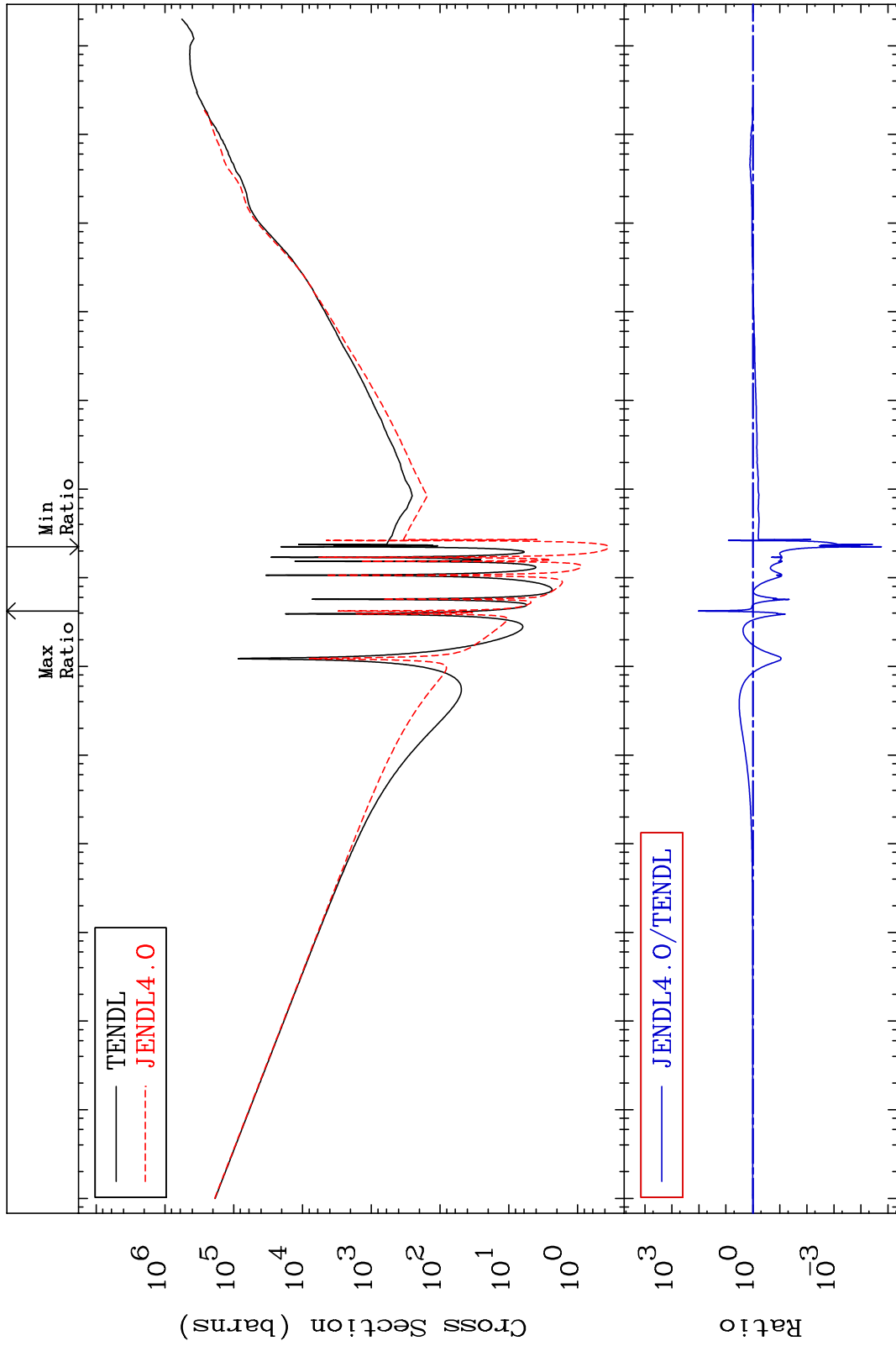
MAT 5528

Dpa total (eV-barns)

55-Cs-134

-100.0 To 9999. %

Cross Section



72

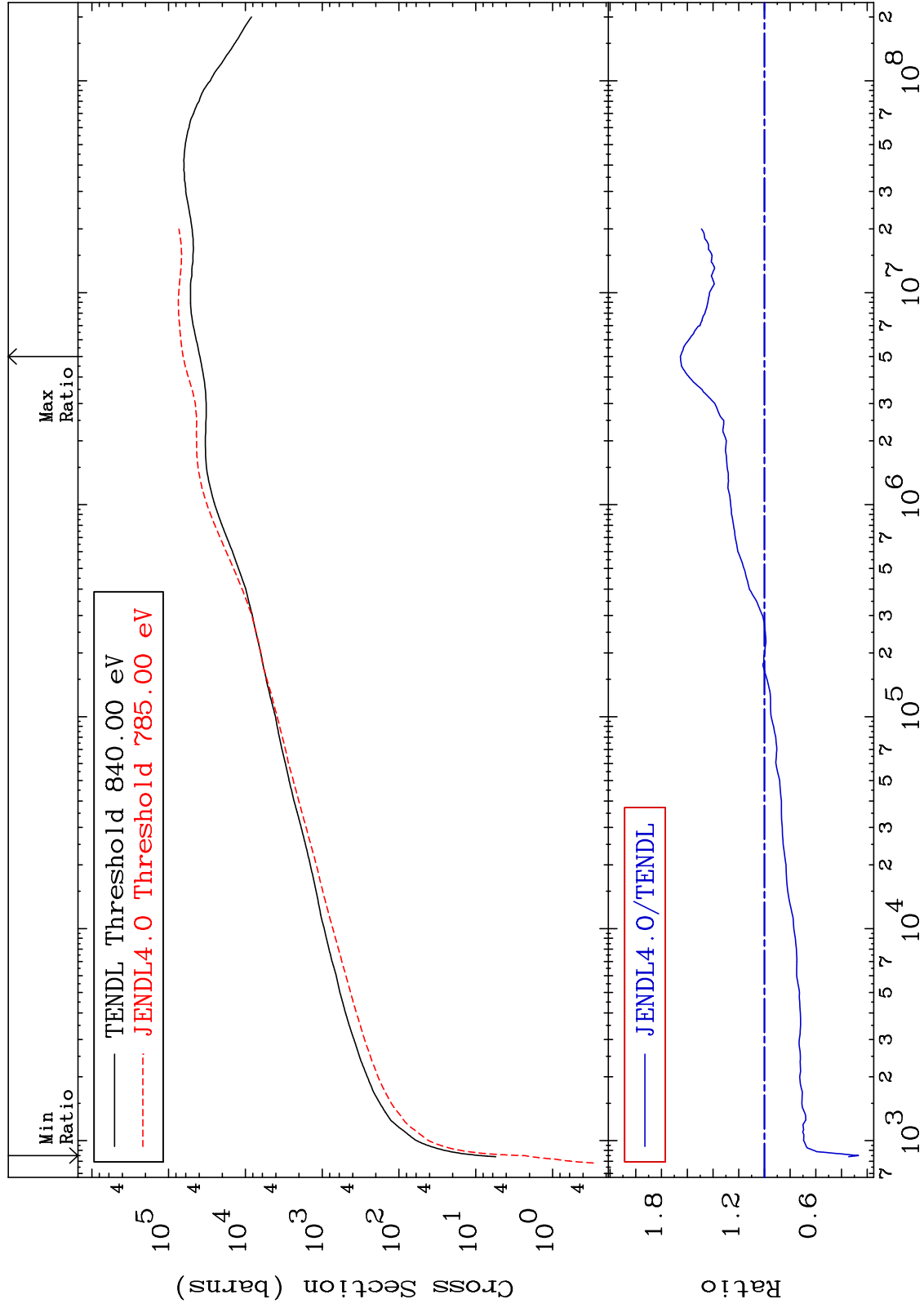
Incident Energy (eV)

55-Cs-134

MAT 5528

Dpa elastic (mt2)
Cross Section

55-Cs-134
-73.22 To 65.28 %



73

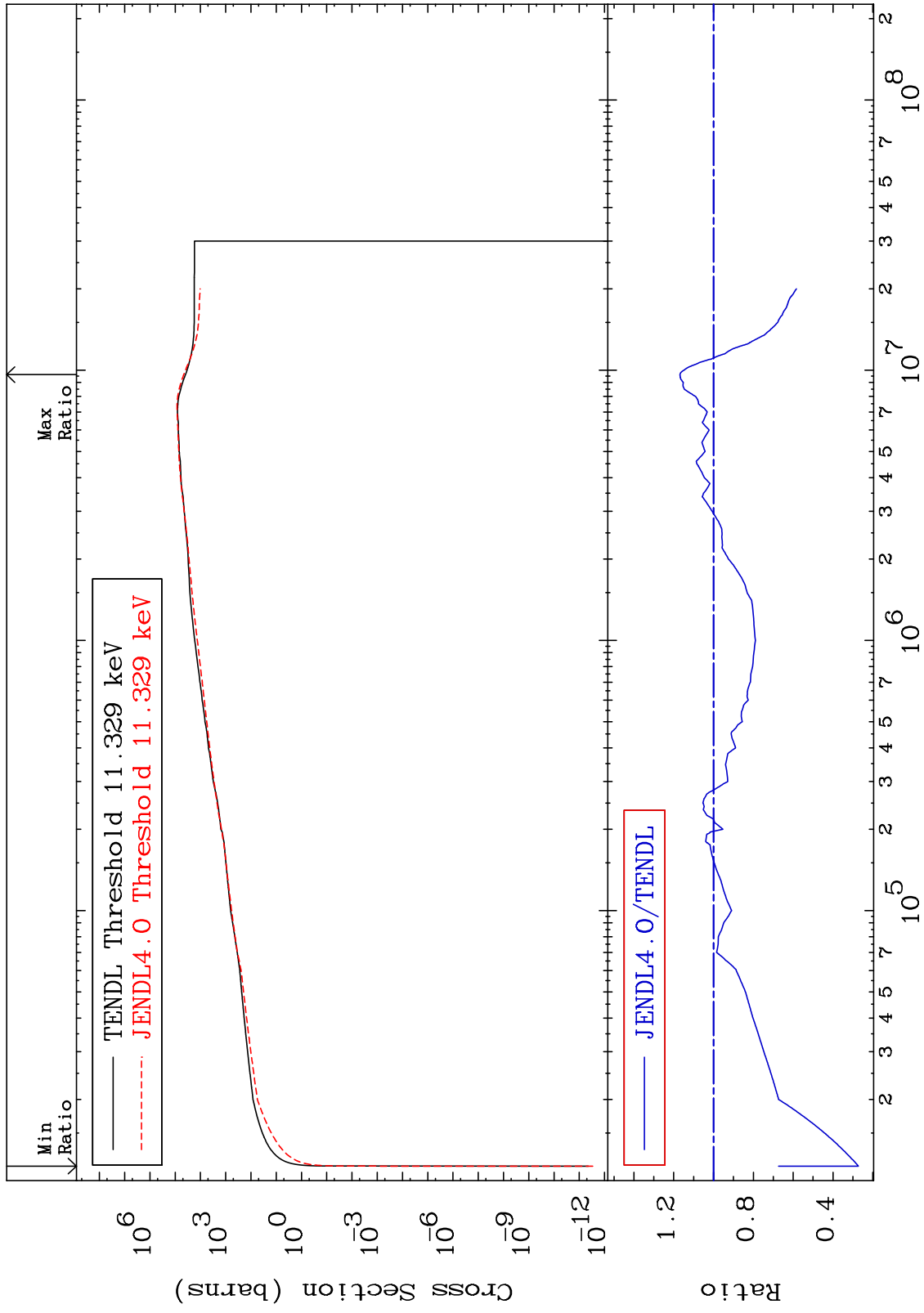
Incident Energy (eV)

55-Cs-134

MAT 5528

Dpa inelastic (mt51-91)
Cross Section

55-Cs-134
-72.76 To 16.84 %



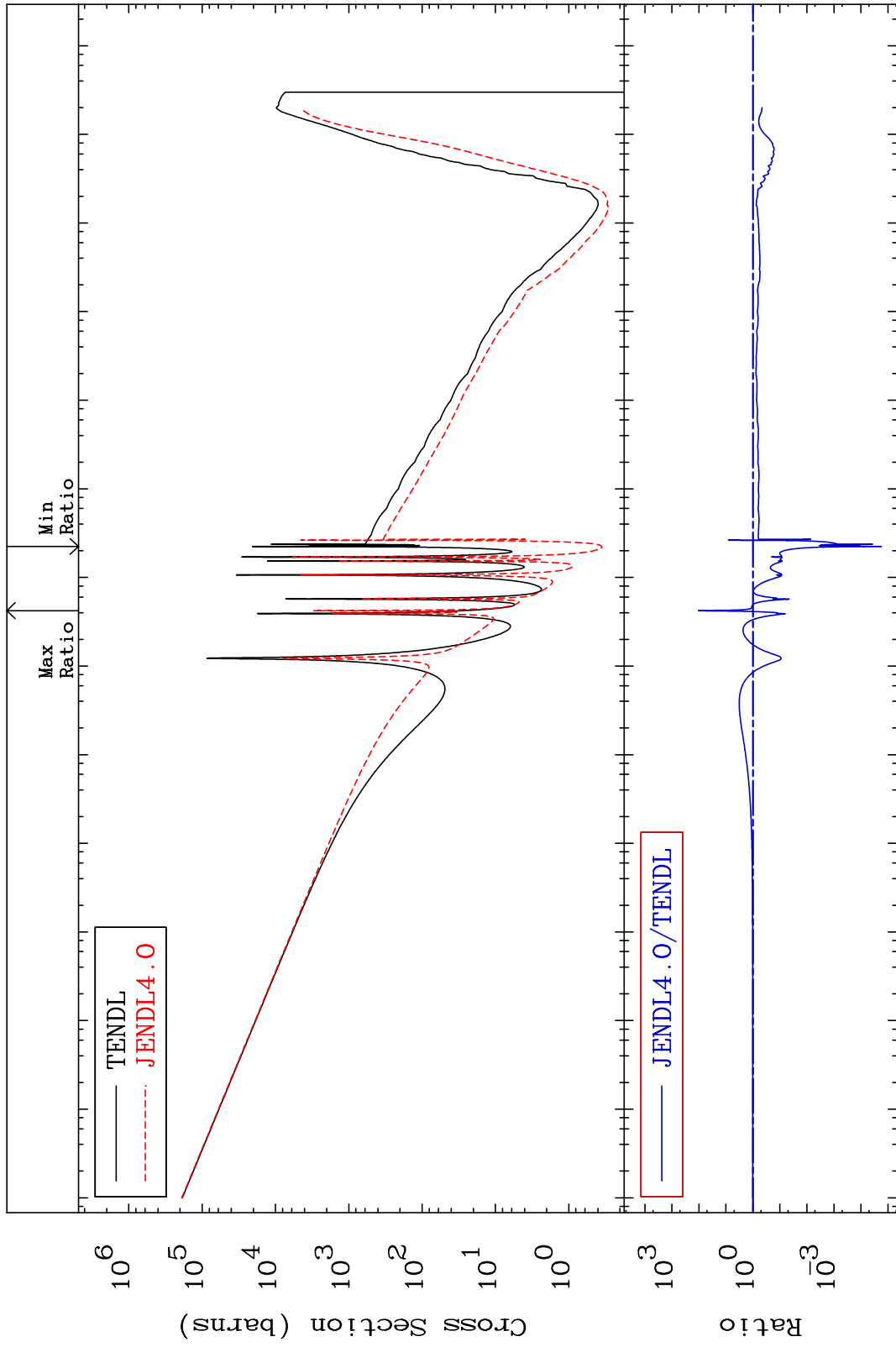
MAT 5528

Dpa disappearance (mt102 -120)

55-Cs-134

-100.0 To 9999. %

Cross Section



75

Incident Energy (eV)

55-Cs-134

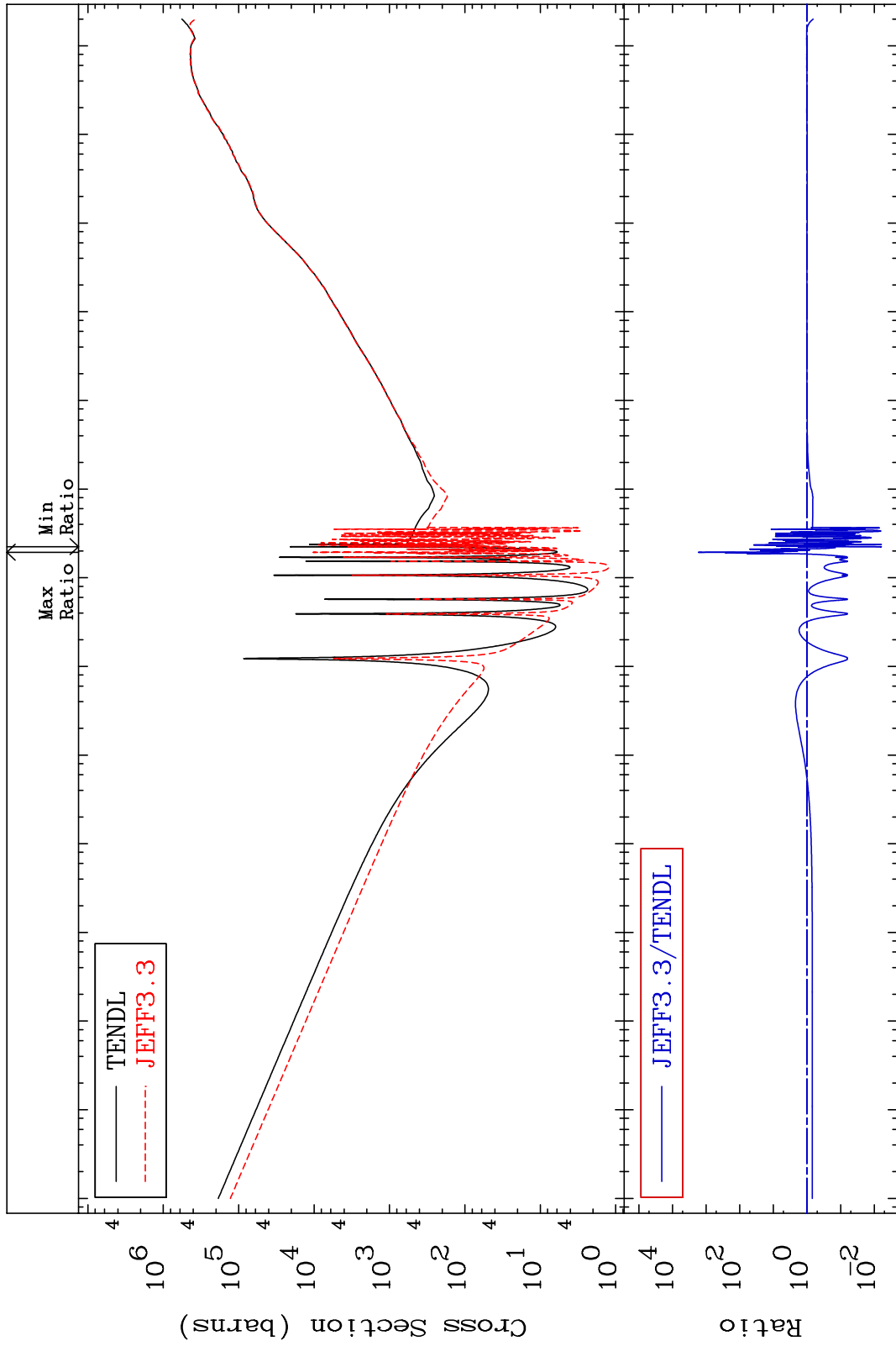
MAT 5528

Dpa total (eV-barns)

55-Cs-134

-99.39 To 9999. %

Cross Section



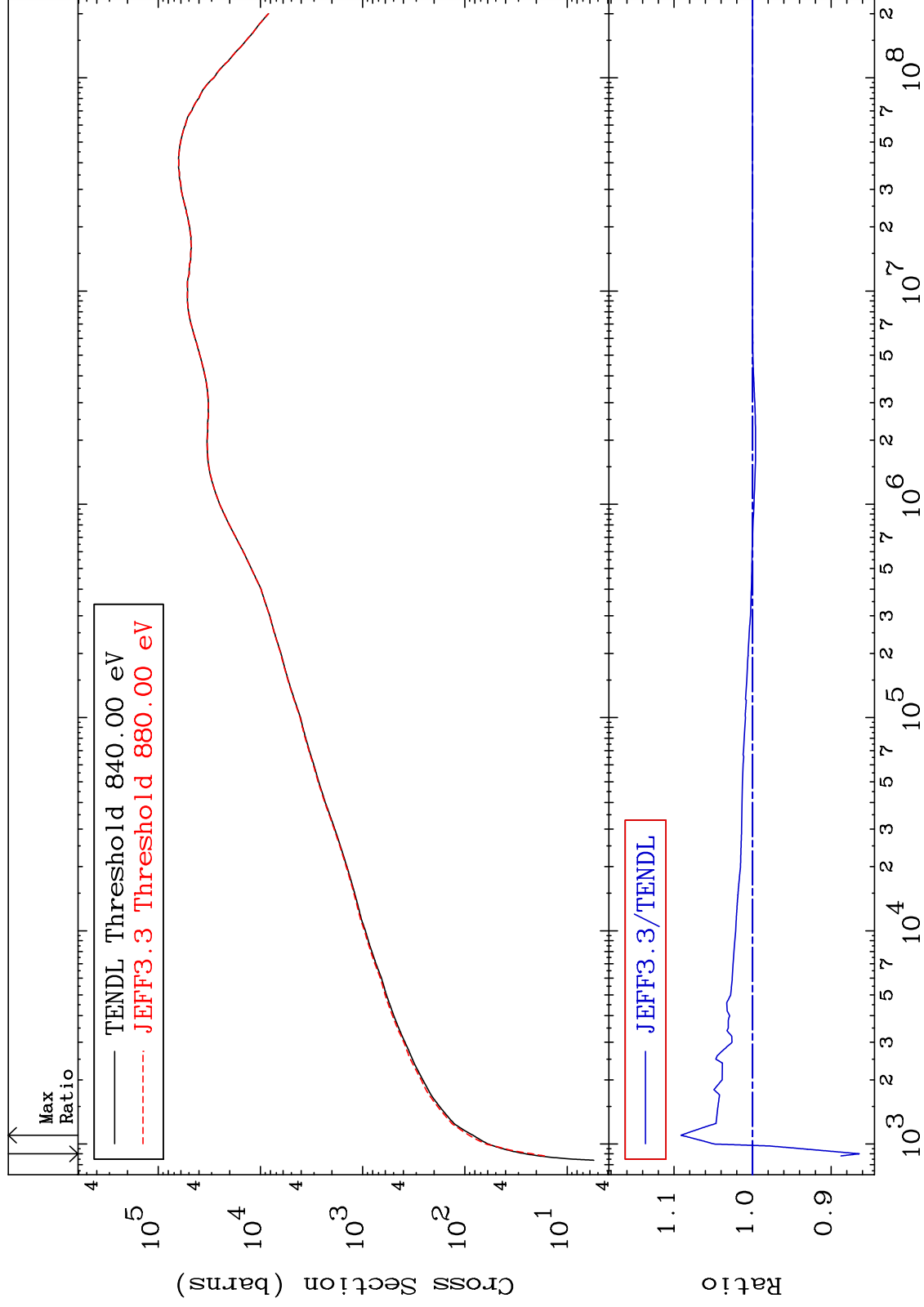
Incident Energy (eV)

55-Cs-134

MAT 5528

Dpa elastic (mt2)
Cross Section

55-Cs-134
-13.60 To 9.097 %



77

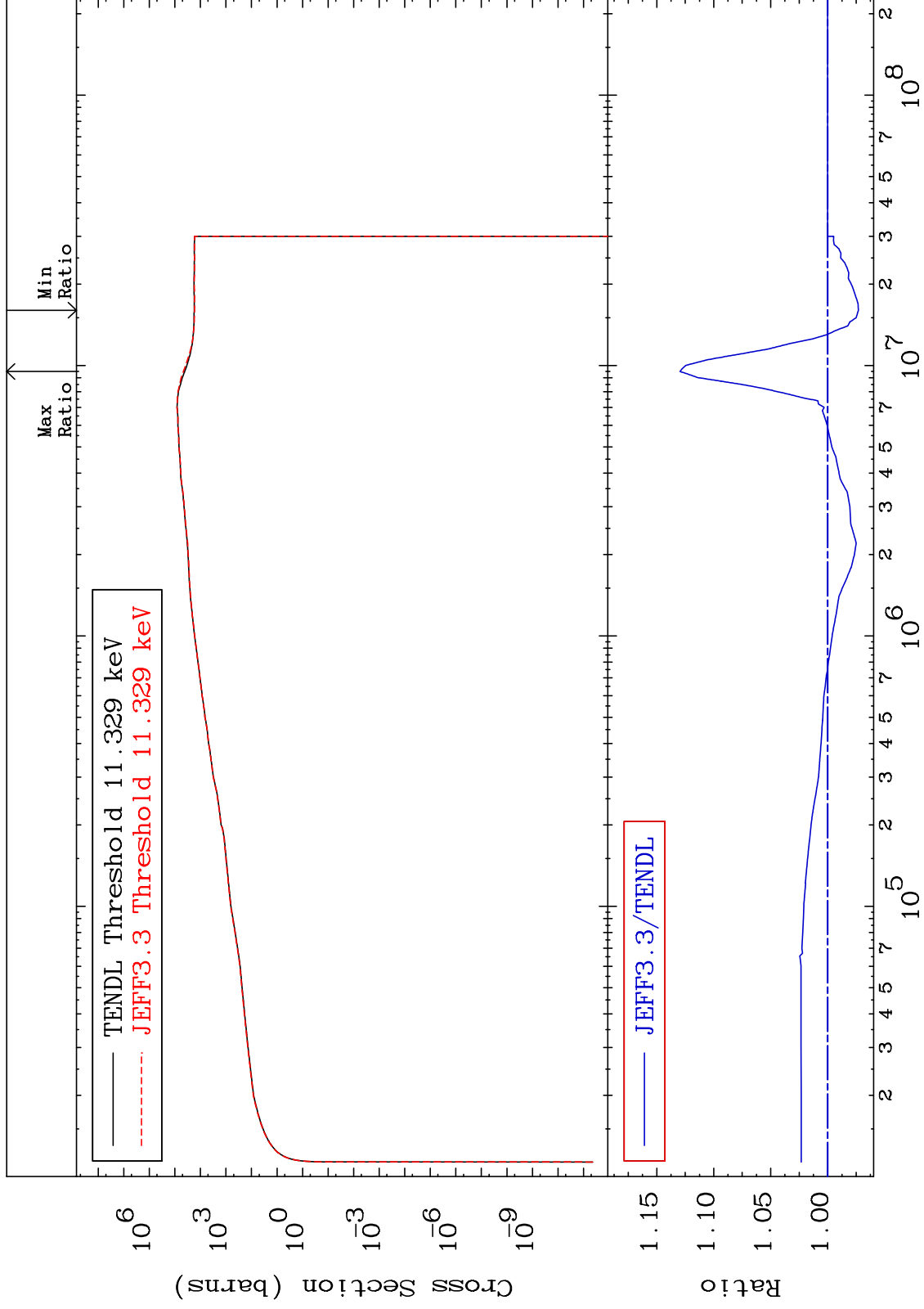
Incident Energy (eV)

55-Cs-134

MAT 5528

Dpa inelastic (mt51-91)
Cross Section

55-Cs-134
-2.698 To 12.96 %



78

Incident Energy (eV)

55-Cs-134

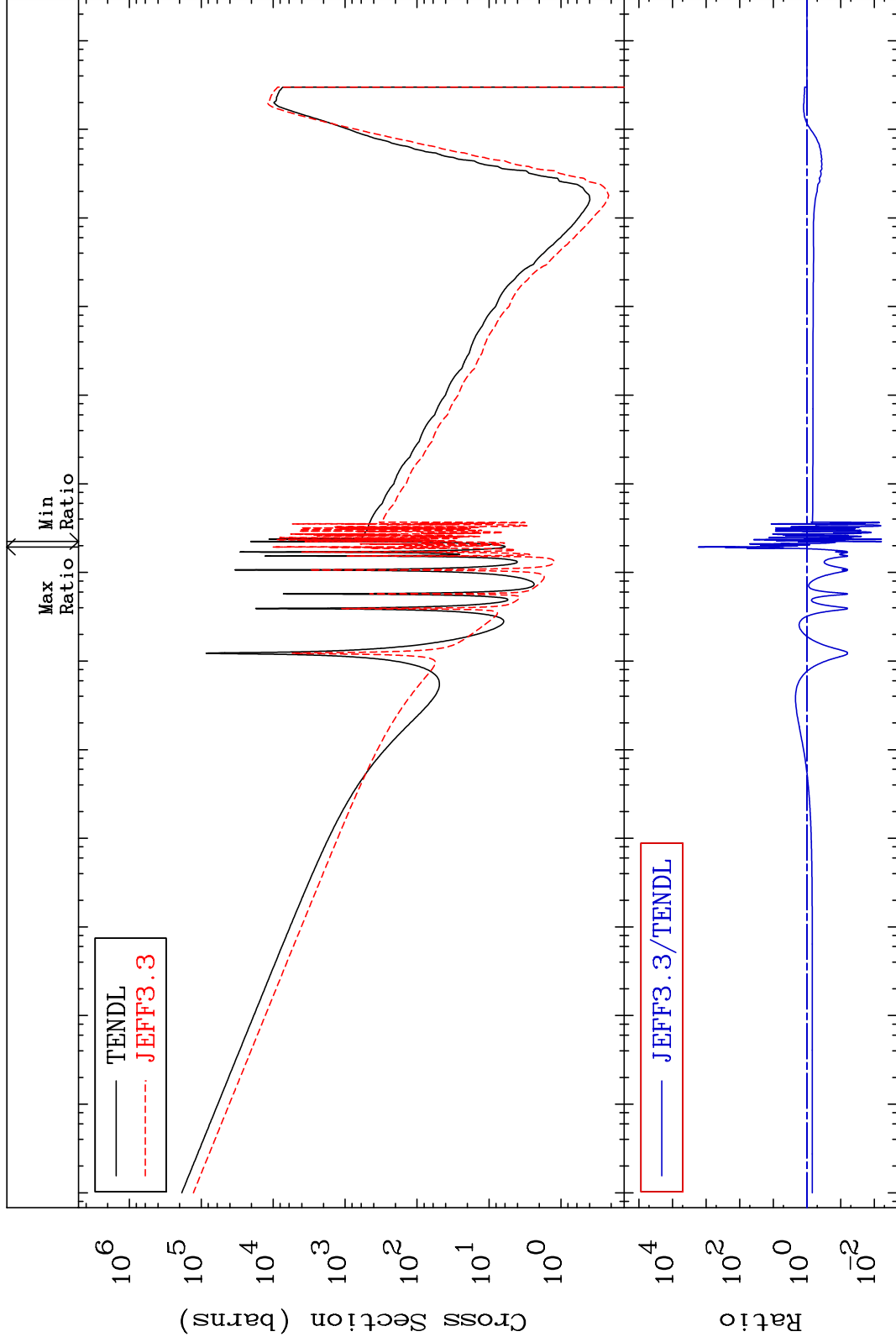
MAT 5528

Dpa disappearance (mt102 -120)

55-Cs-134

-99.39 To 9999. %

Cross Section



79

Incident Energy (eV)

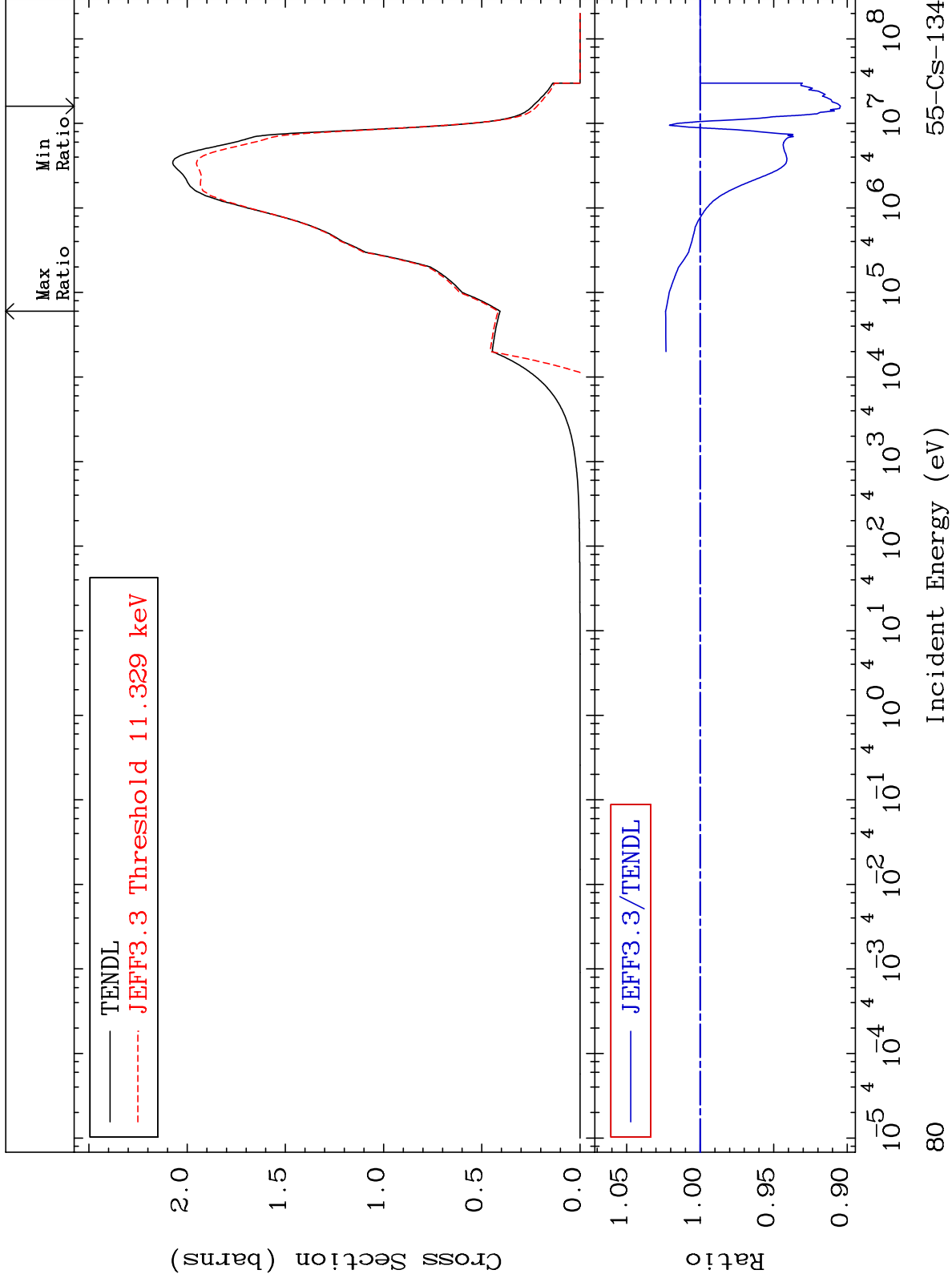
55-Cs-134

MAT 5528

Inelastic:55-Cs-134g

55-Cs-134

Radionuclide Production Cross Section -9.535 To 2.348 %

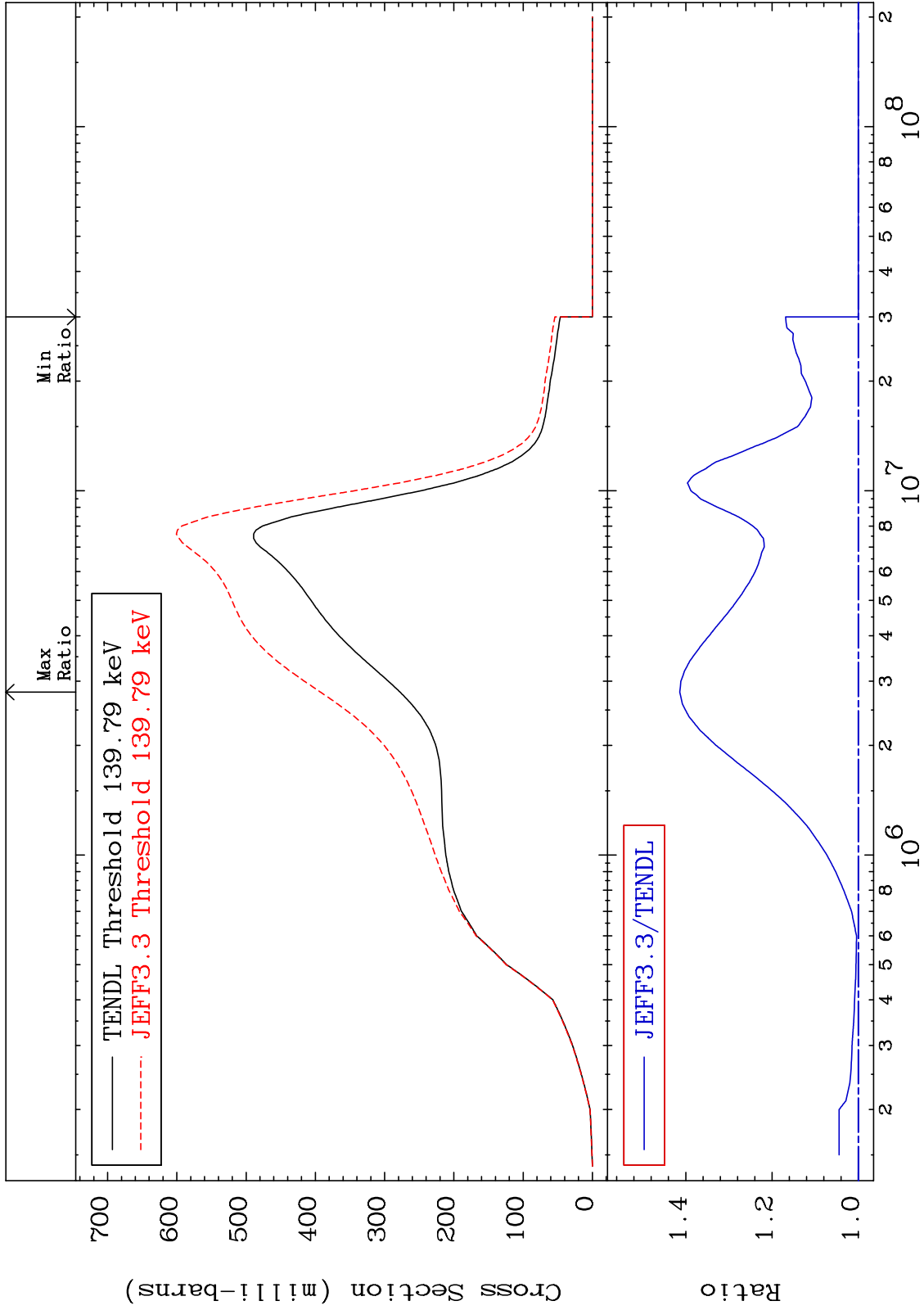


MAT 5528

Inelastic:55-Cs-134m3

55-Cs-134

Radionuclide Production Cross Section 0.000 To 41.38 %

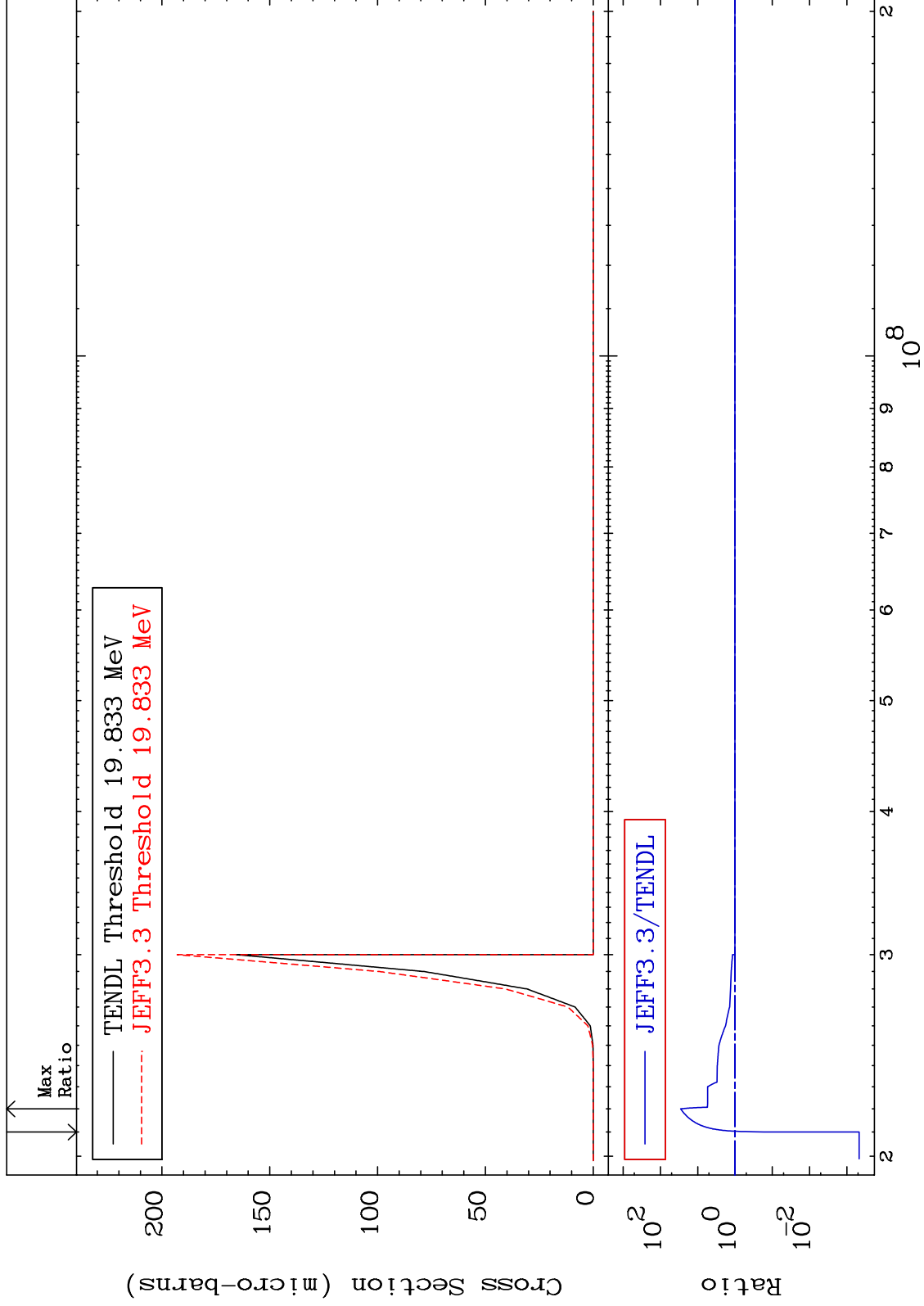


MAT 5528

(n,2n) d:54-Xe-131g

55-Cs-134

Radionuclide Production Cross Section -99.95 To 2773. %



82

Incident Energy (eV)

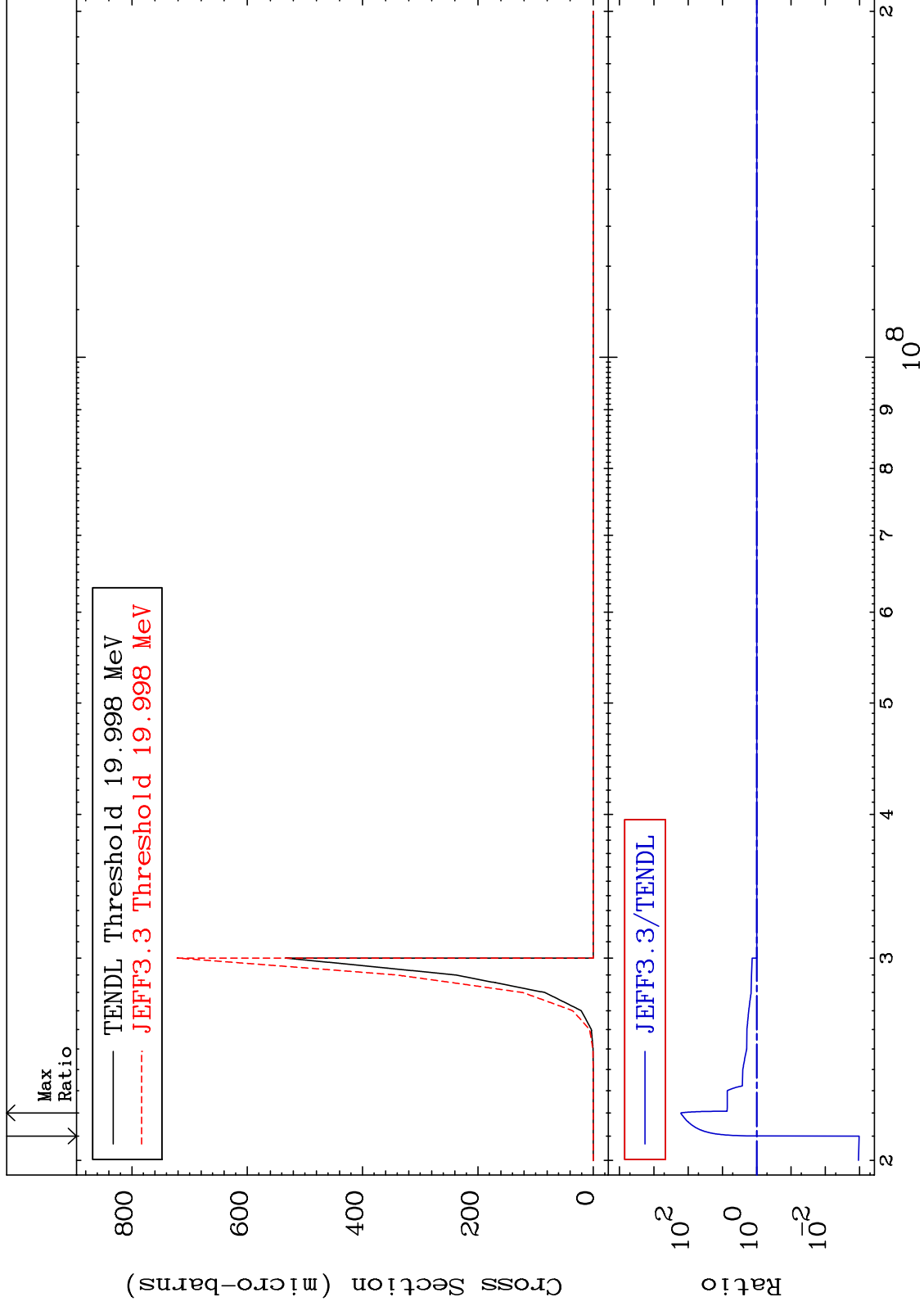
55-Cs-134

MAT 5528

(n,2n) d:54-Xe-131m2

55-Cs-134

Radionuclide Production Cross Section -99.90 To 9999. %

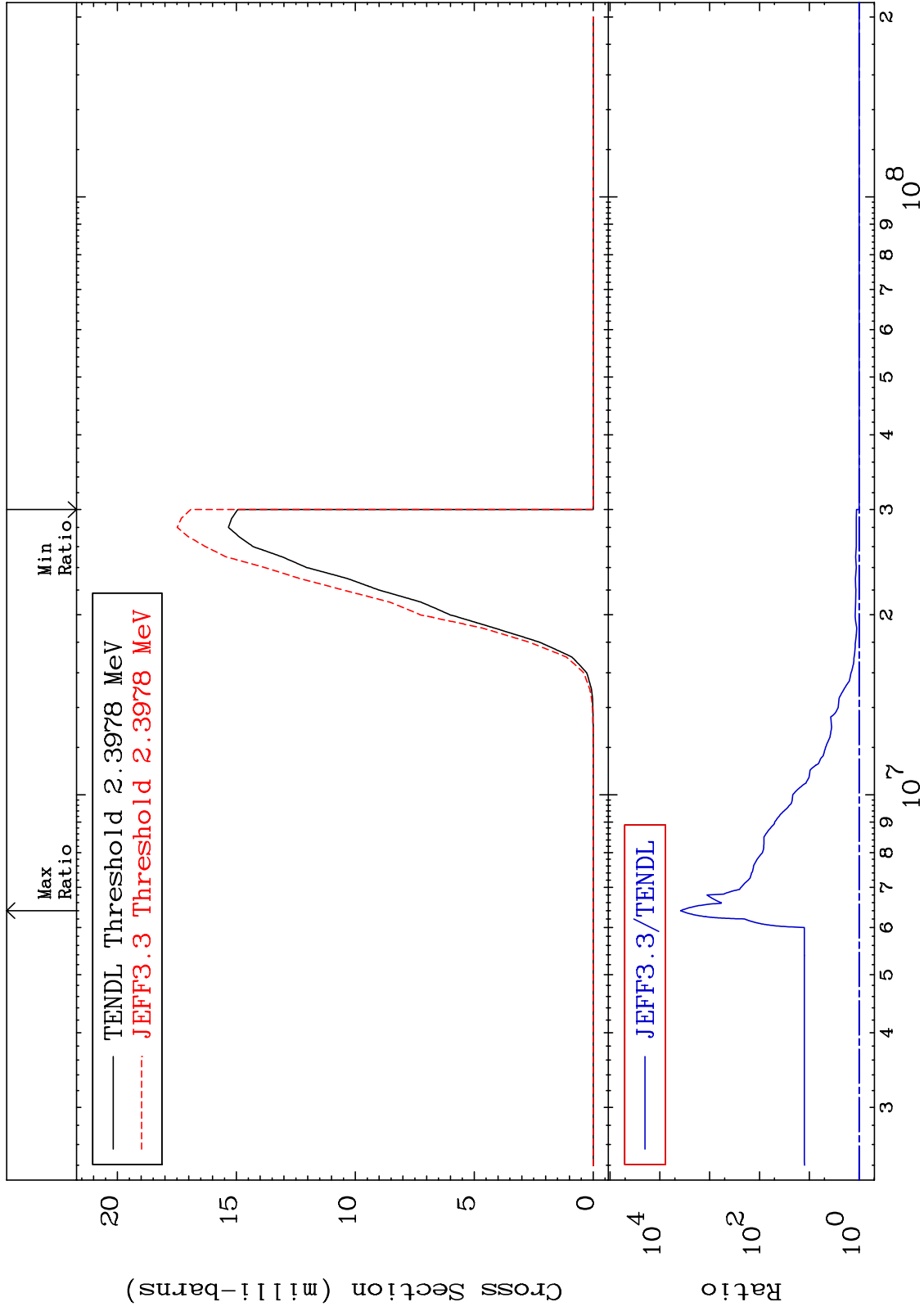


MAT 5528

55-Cs-134

(n, n') α :53-I -130g

Radionuclide Production Cross Section 0.000 To 9999. %

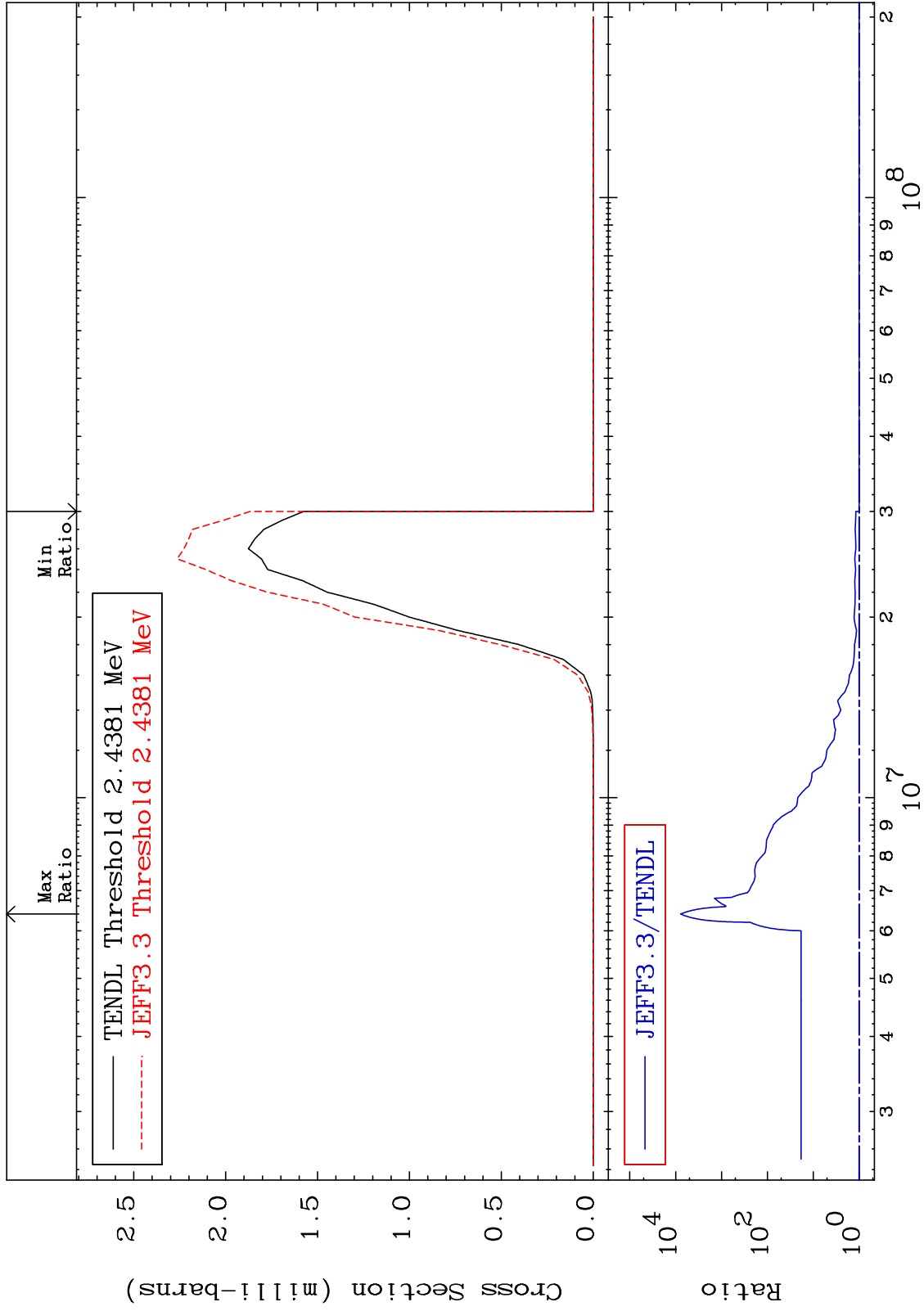


MAT 5528

(n, n') α :53-I -130m1

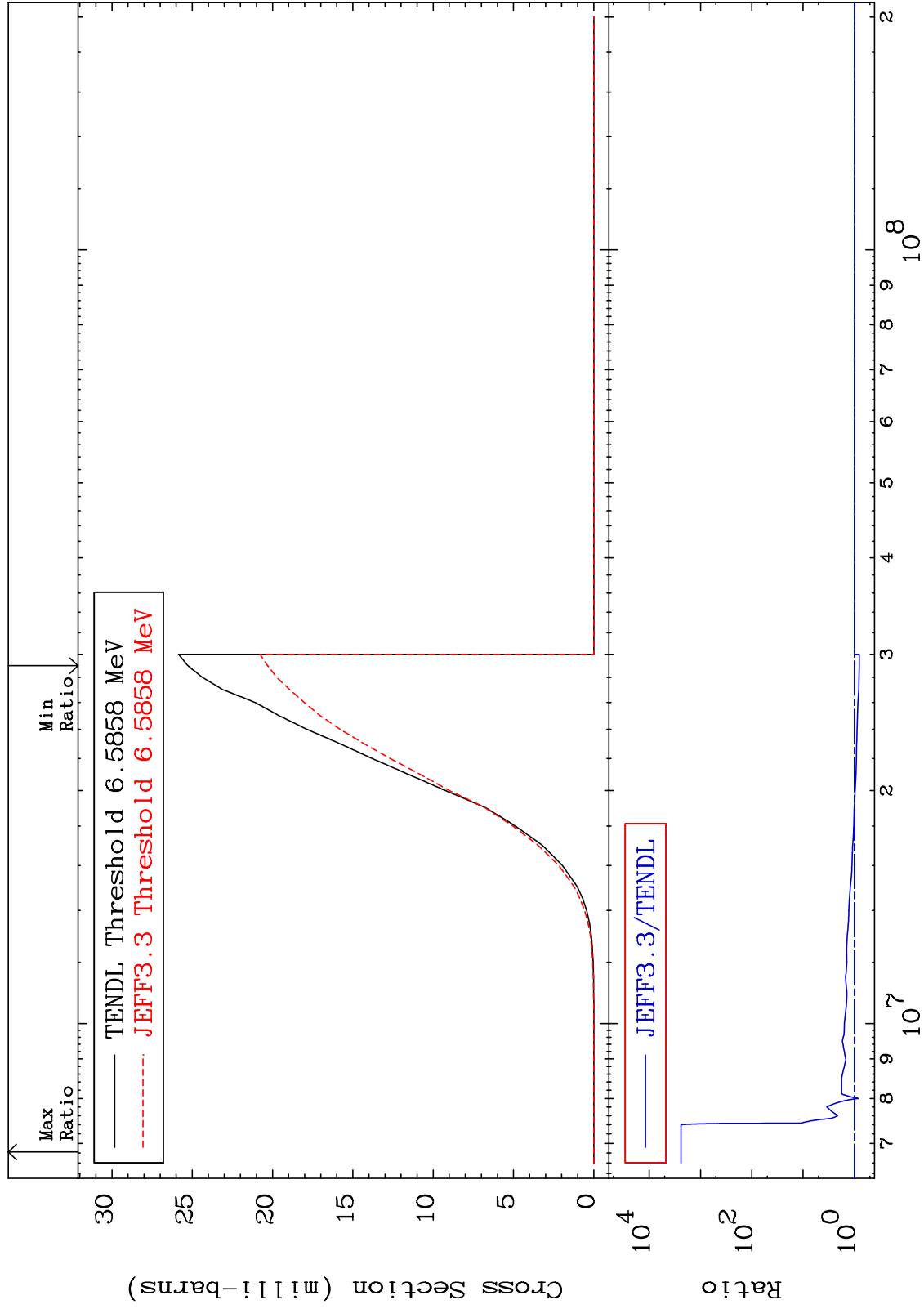
55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 5528

(n, n') p:54-Xe-133g 55-Cs-134
Radionuclide Production Cross Section -19.67 To 9999. %



86

Incident Energy (eV)

55-Cs-134

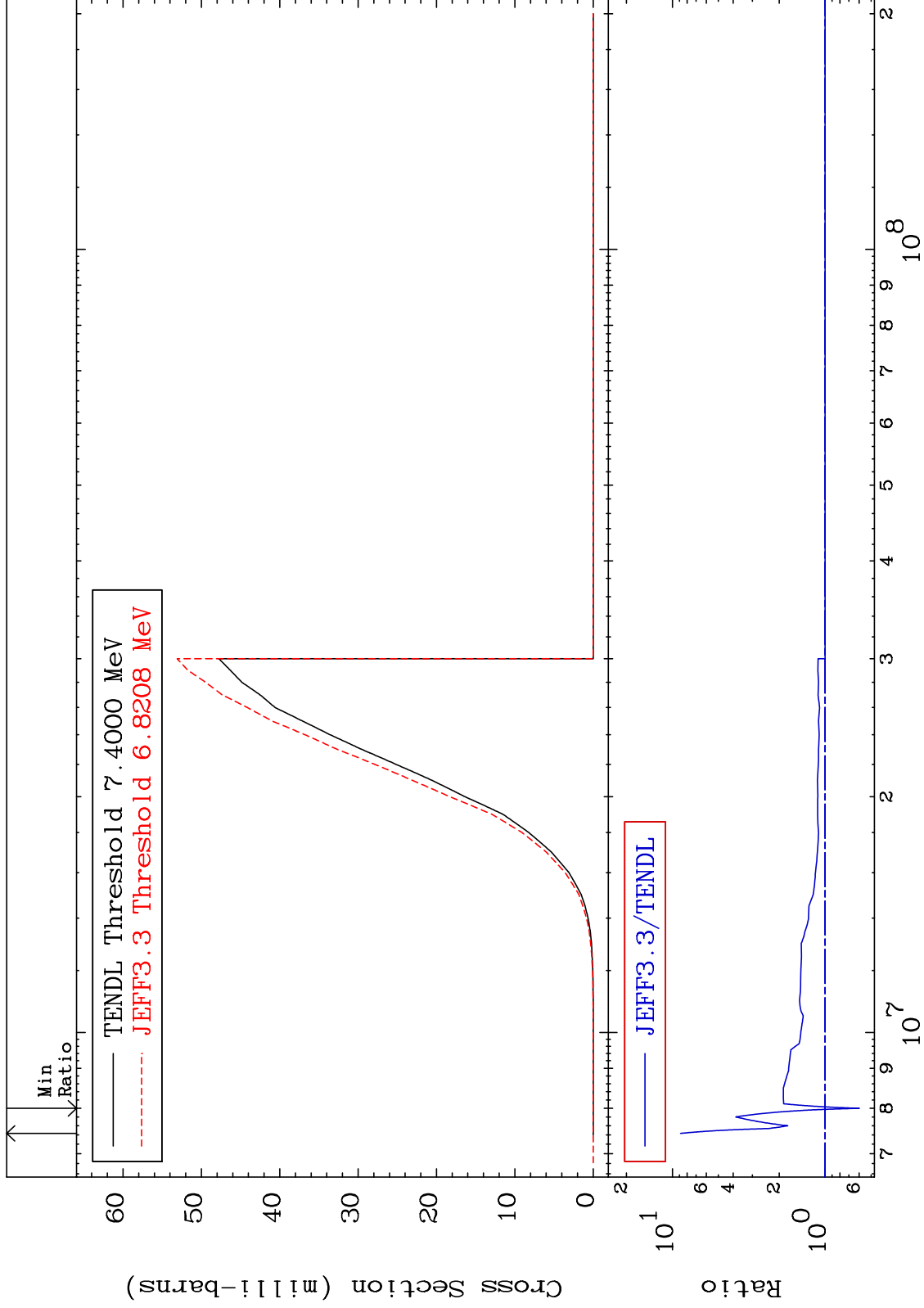
MAT 5528

(n, n') p:54-Xe-133m1

55-Cs-134

Radionuclide Production Cross Section

-40.12 To 783.5 %



87

Incident Energy (eV)

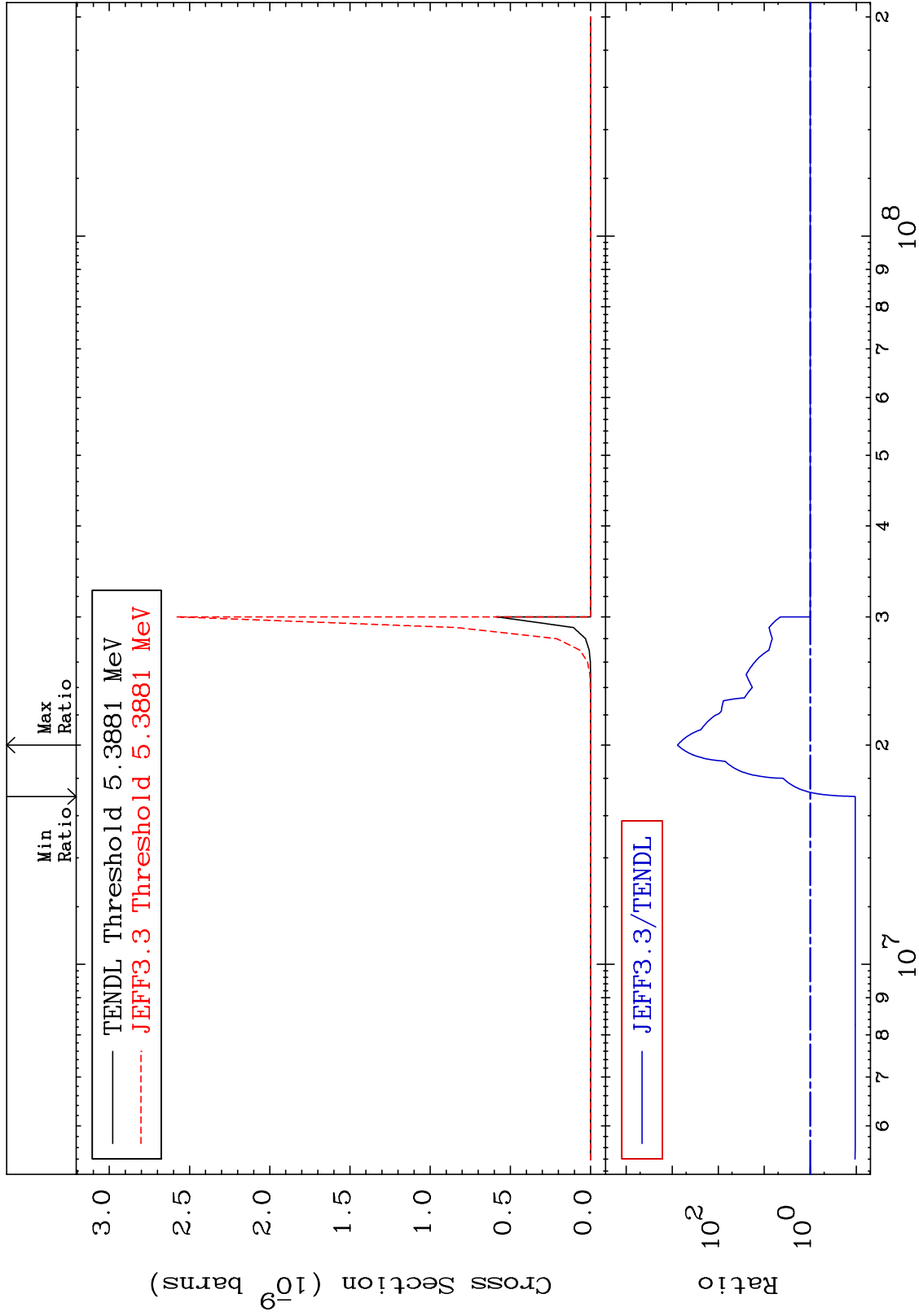
55-Cs-134

MAT 5528

55-Cs-134

(n, n') 2 α :51-Sb-126g

Radionuclide Production Cross Section -89.51 To 9999. %



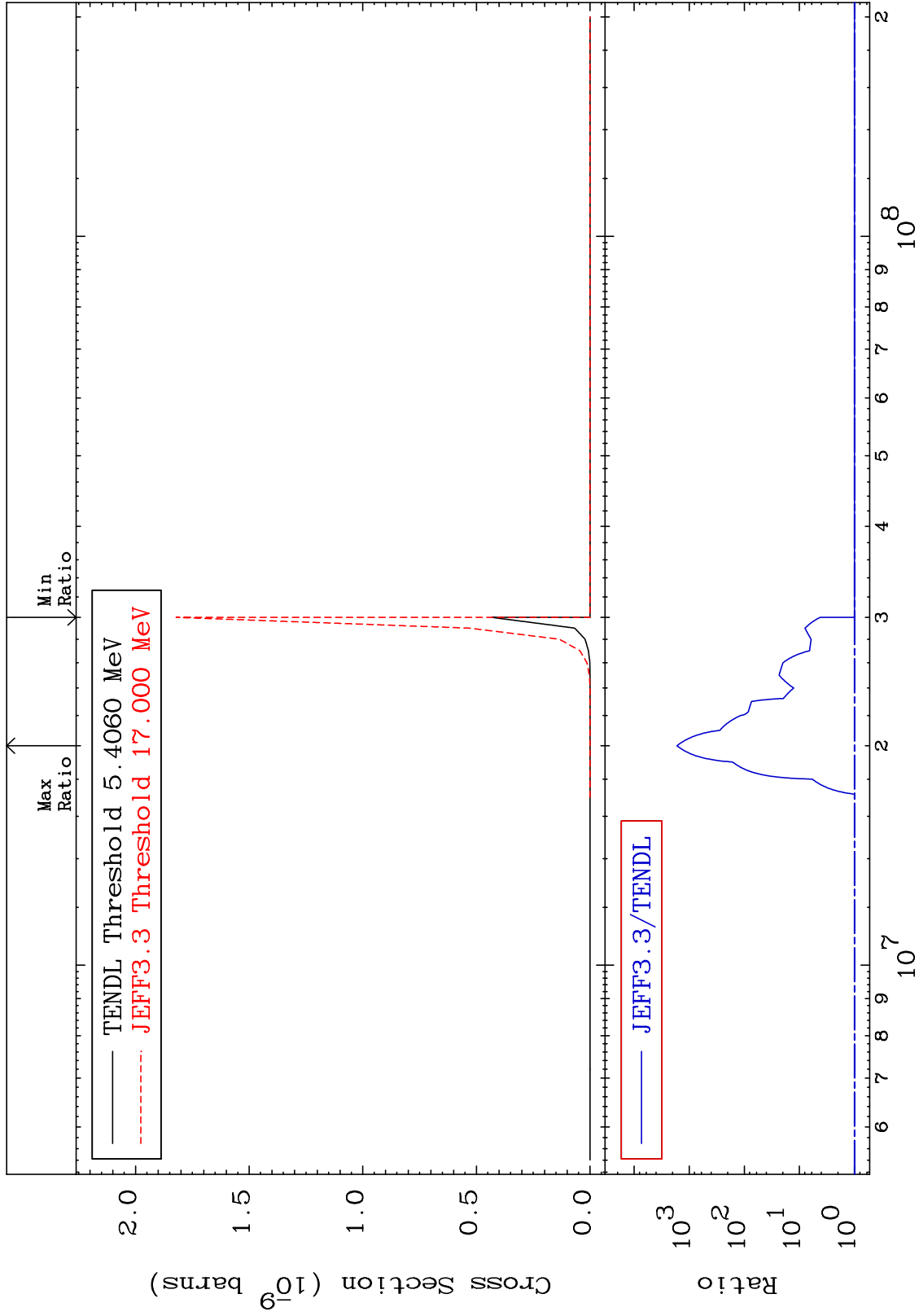
88

Incident Energy (eV)

55-Cs-134

MAT 5528

(n, n') $2\alpha:51$ -Sb-126m1 55-Cs-134
Radionuclide Production Cross Section 0.000 To 9999. %

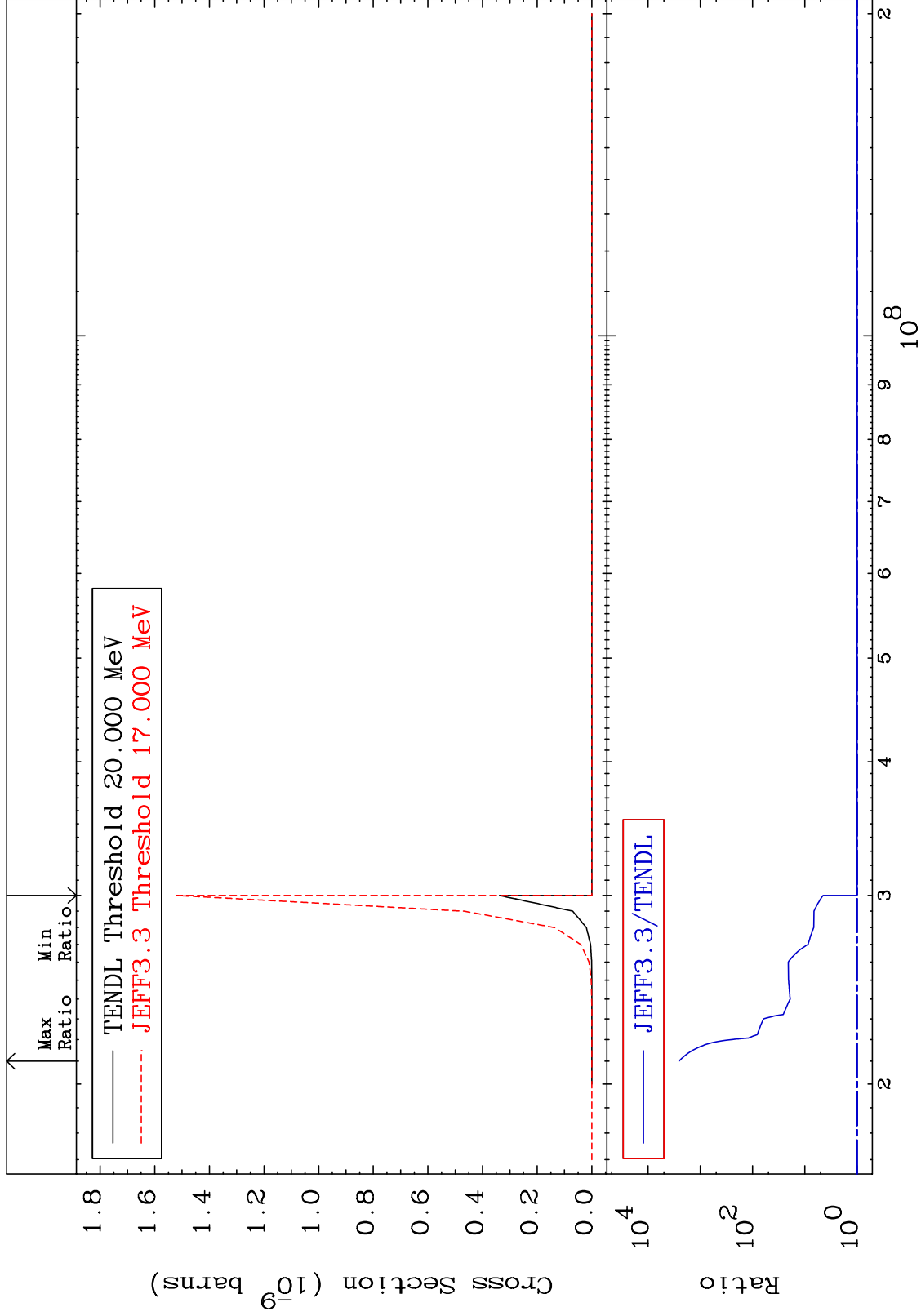


MAT 5528

(n, n') 2α:51-Sb-126m2

55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %

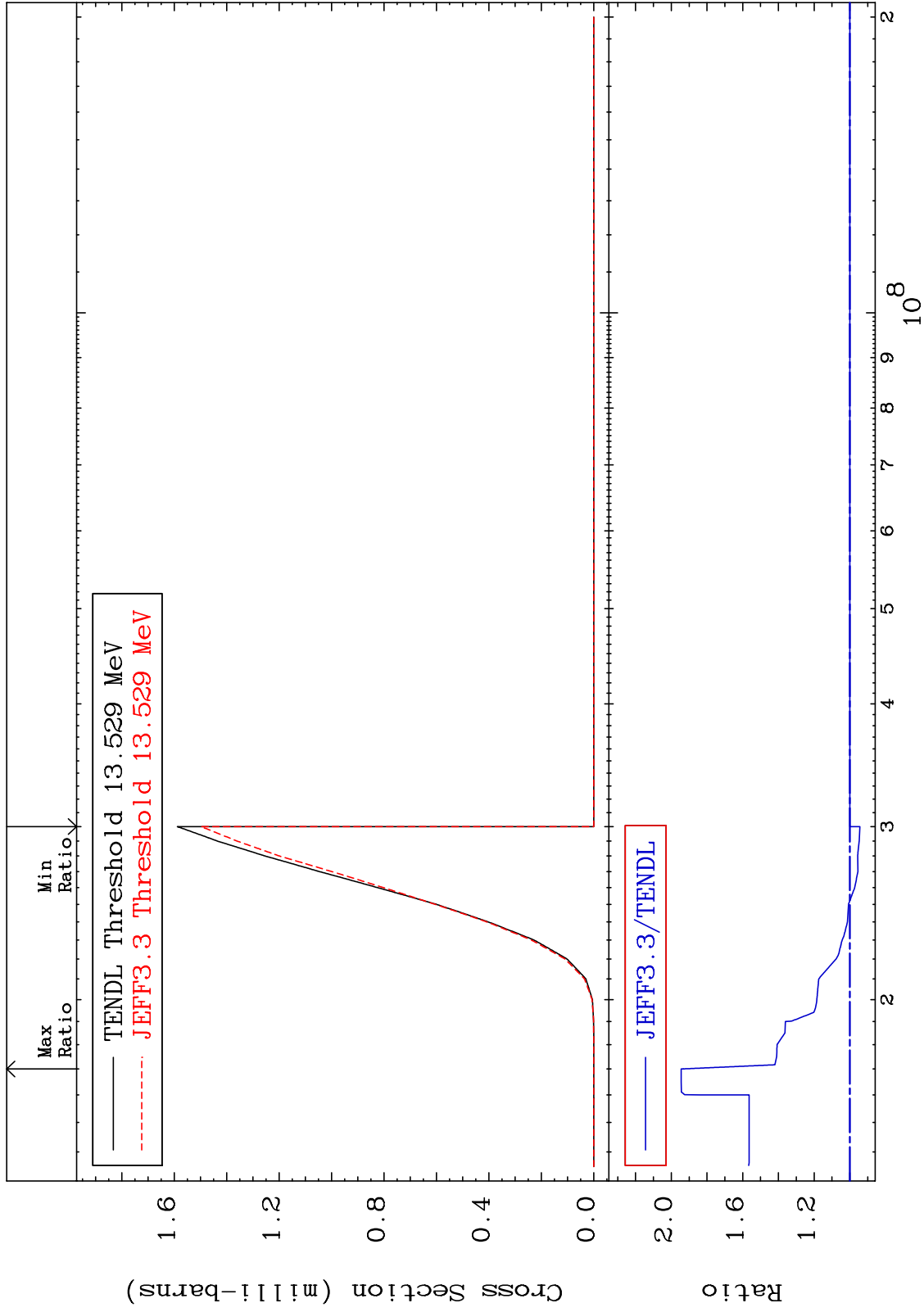


MAT 5528

(n, n') t:54-Xe-131g

55-Cs-134

Radionuclide Production Cross Section -5.655 To 94.44 %

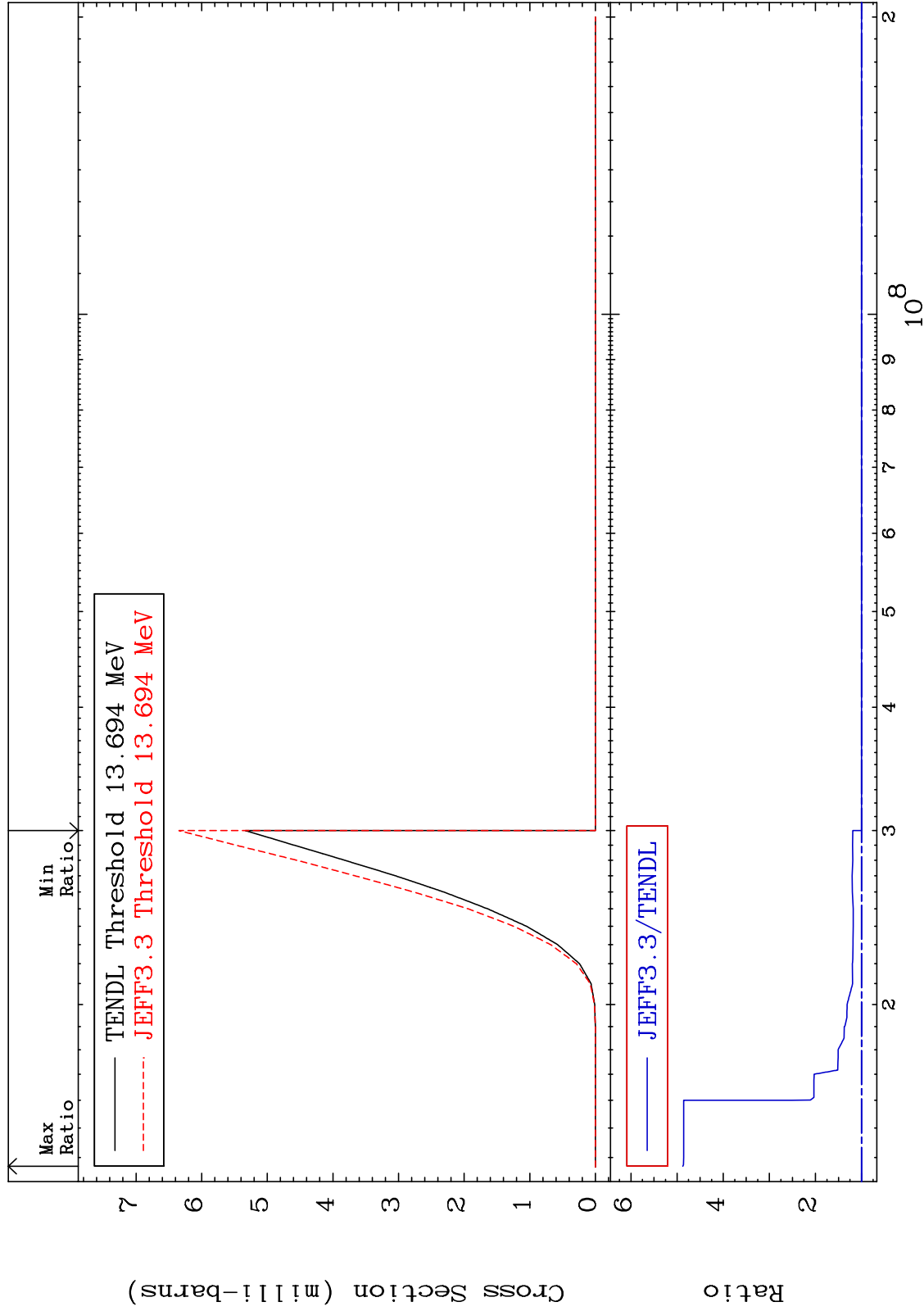


MAT 5528

(n, n') t:54-Xe-131m2

55-Cs-134

Radionuclide Production Cross Section 0.000 To 387.4 %

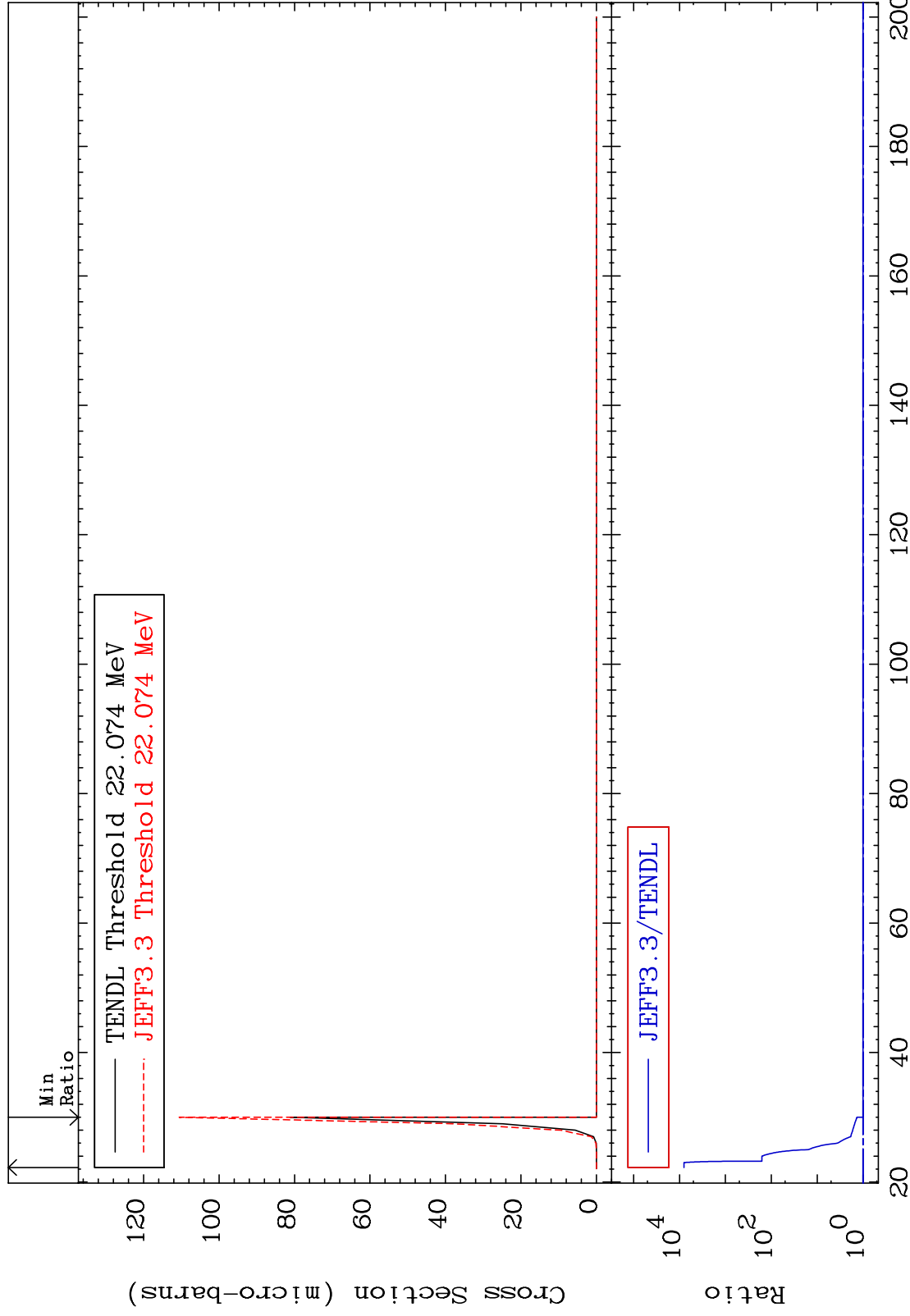


MAT 5528

(n,3n) p:54-Xe-131g

55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %

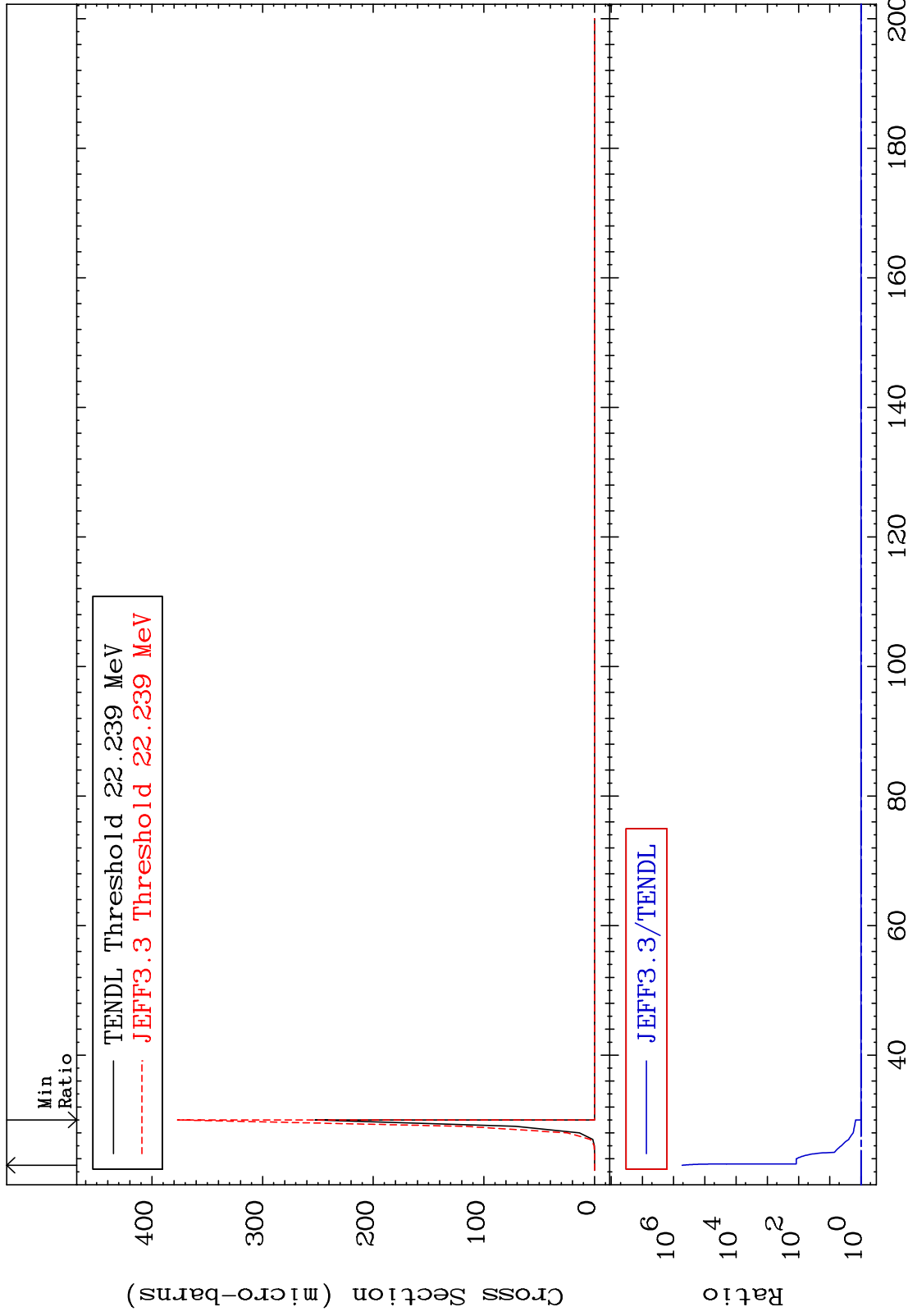


MAT 5528

(n,3n) p:54-Xe-131m2

55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %

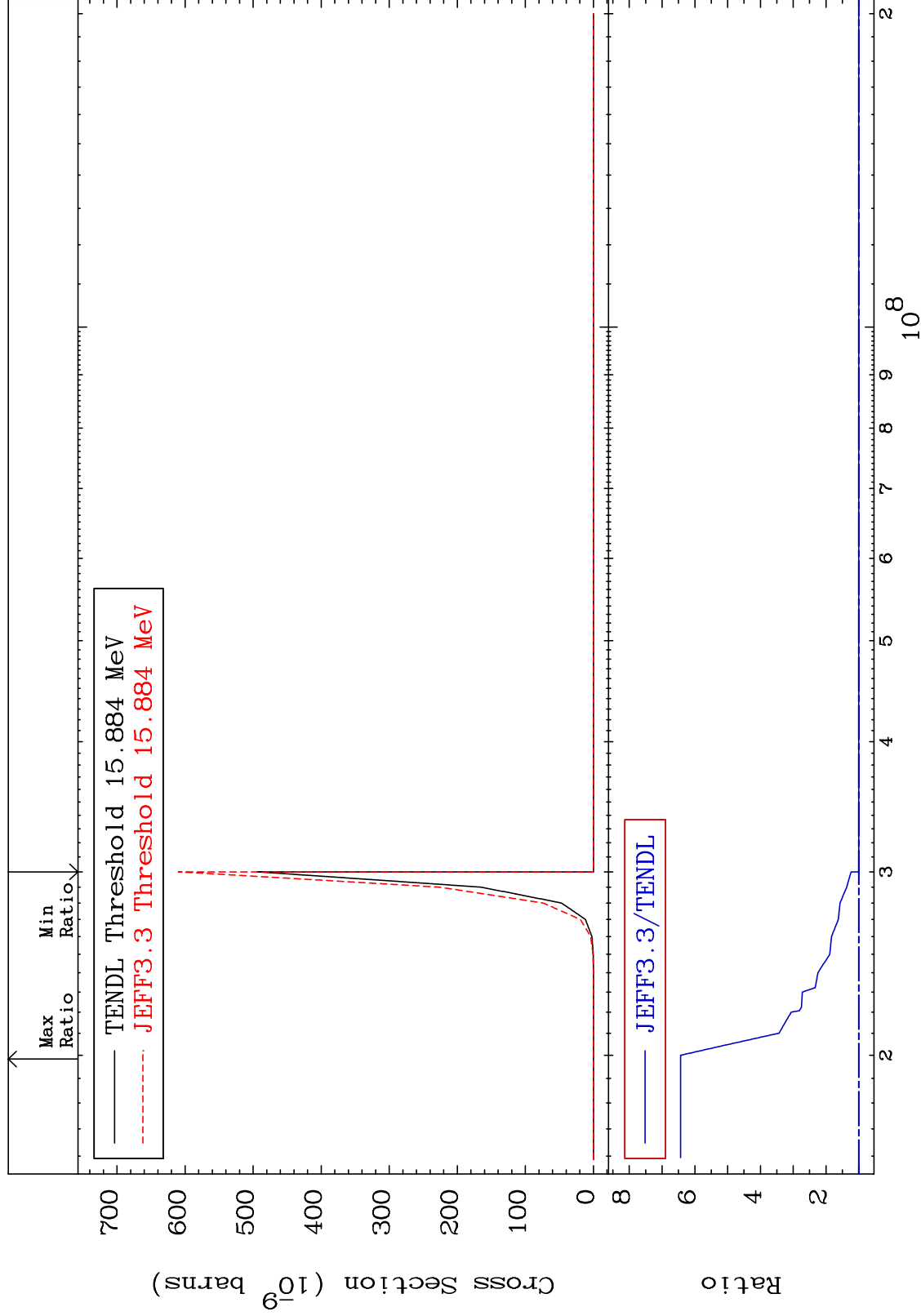


MAT 5528

(n,2n) p:53-I -132g

55-Cs-134

Radionuclide Production Cross Section 0.000 To 543.3 %

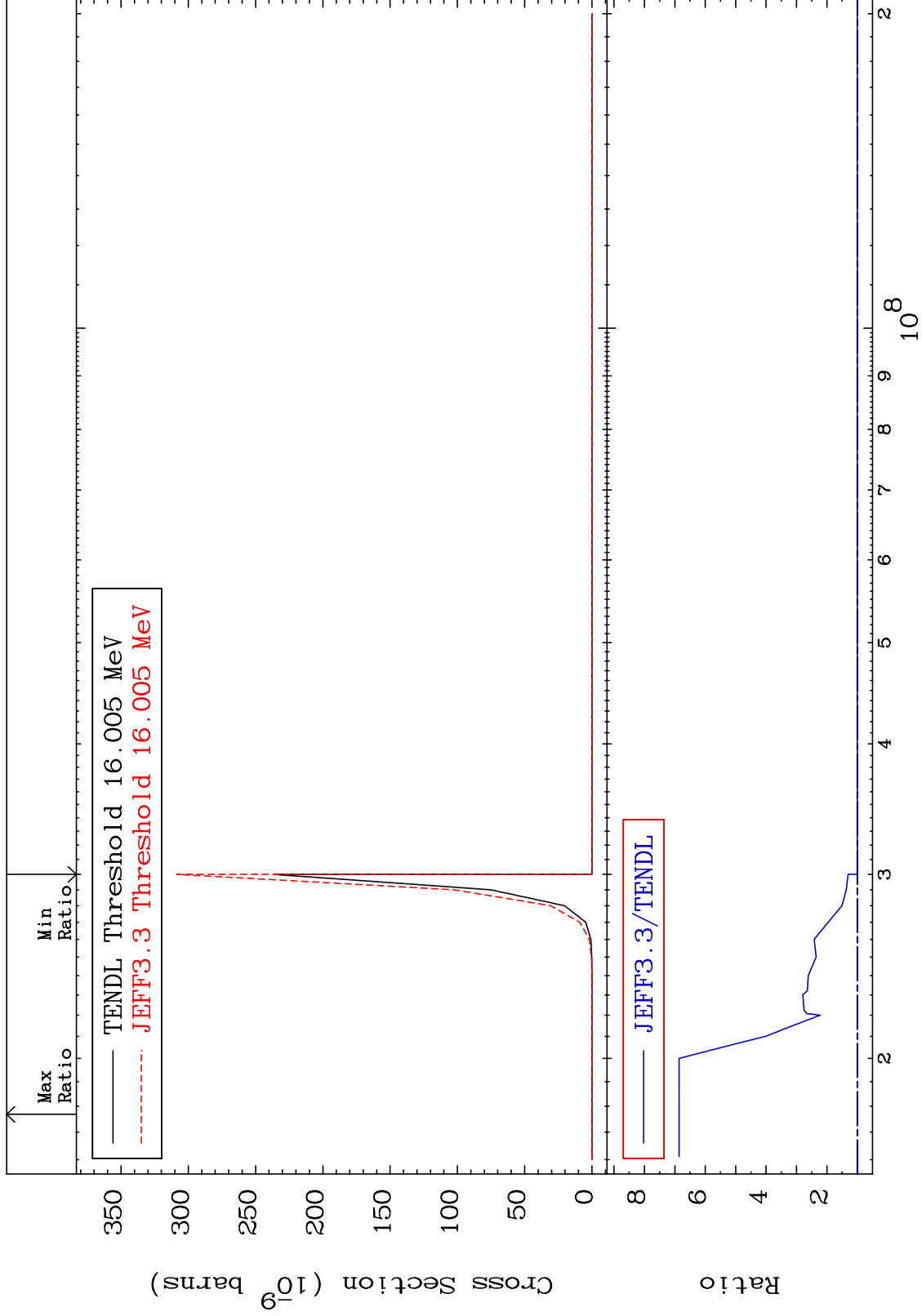


MAT 5528

(n,2n) p:53-I -132m3

55-Cs-134

Radionuclide Production Cross Section 0.000 To 585.9 %

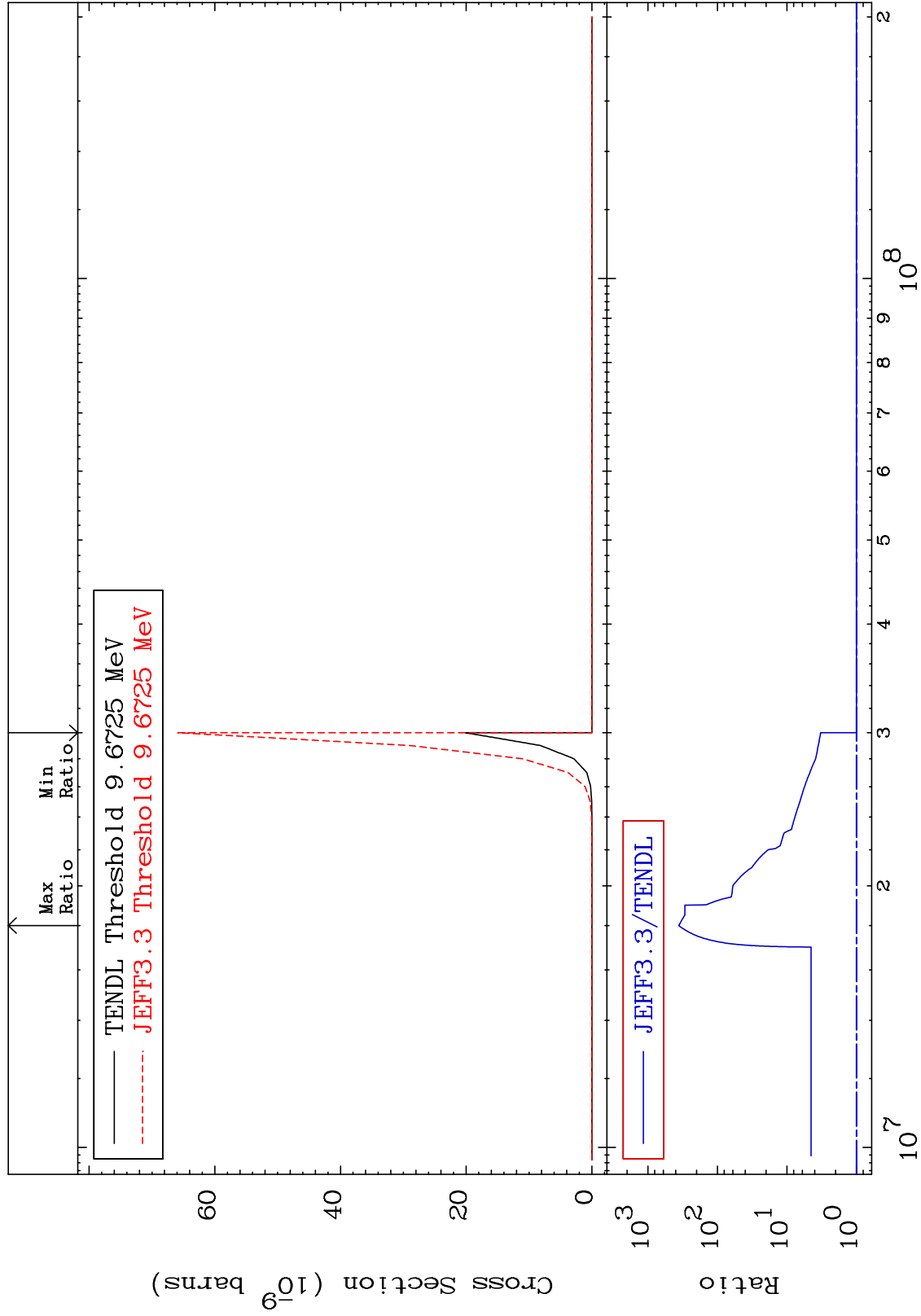


MAT 5528

(n, n') p α :52-Te-129g

55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %



55-Cs-134

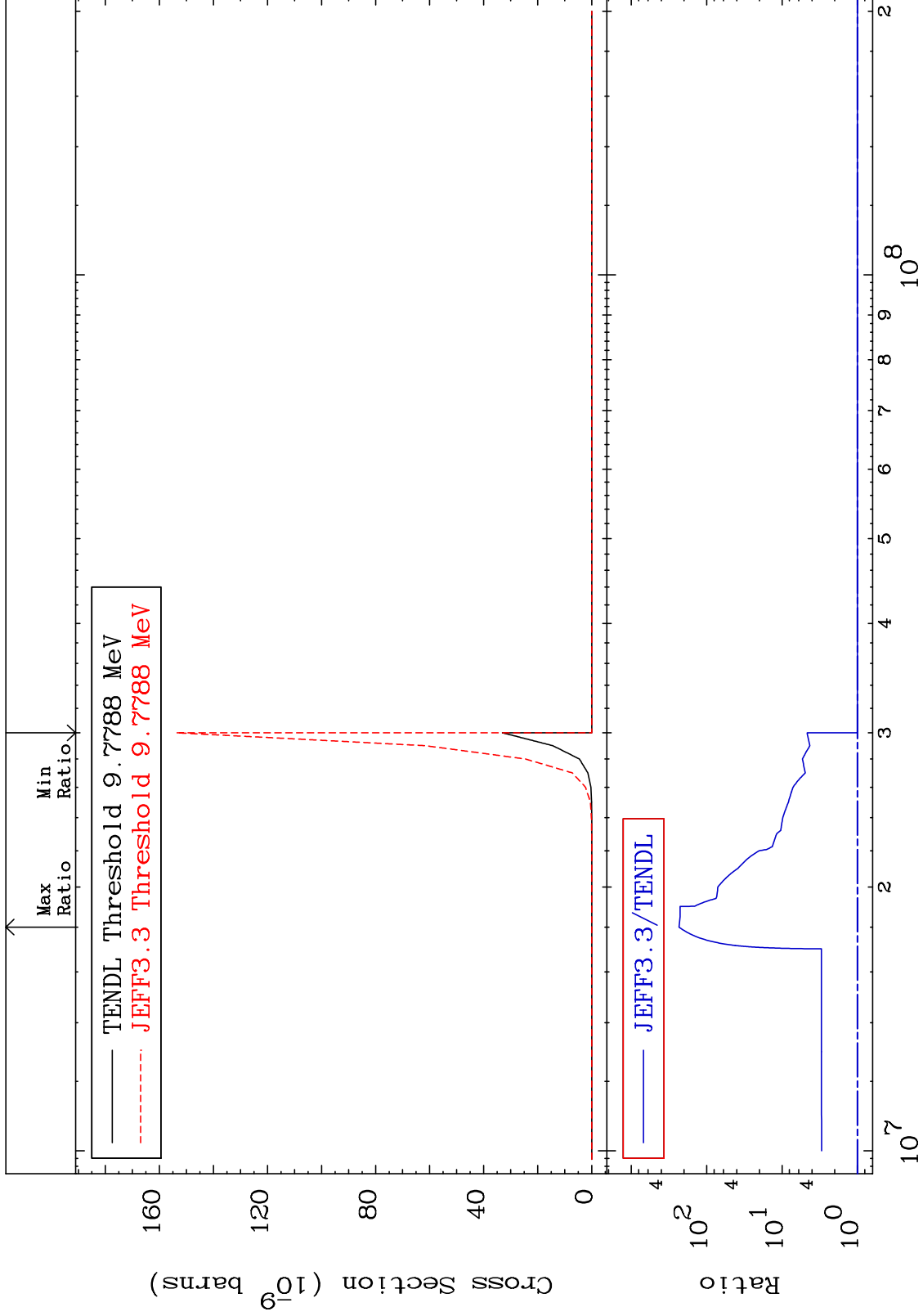
97

MAT 5528

(n, n') p α :52-Te-129m1

55-Cs-134

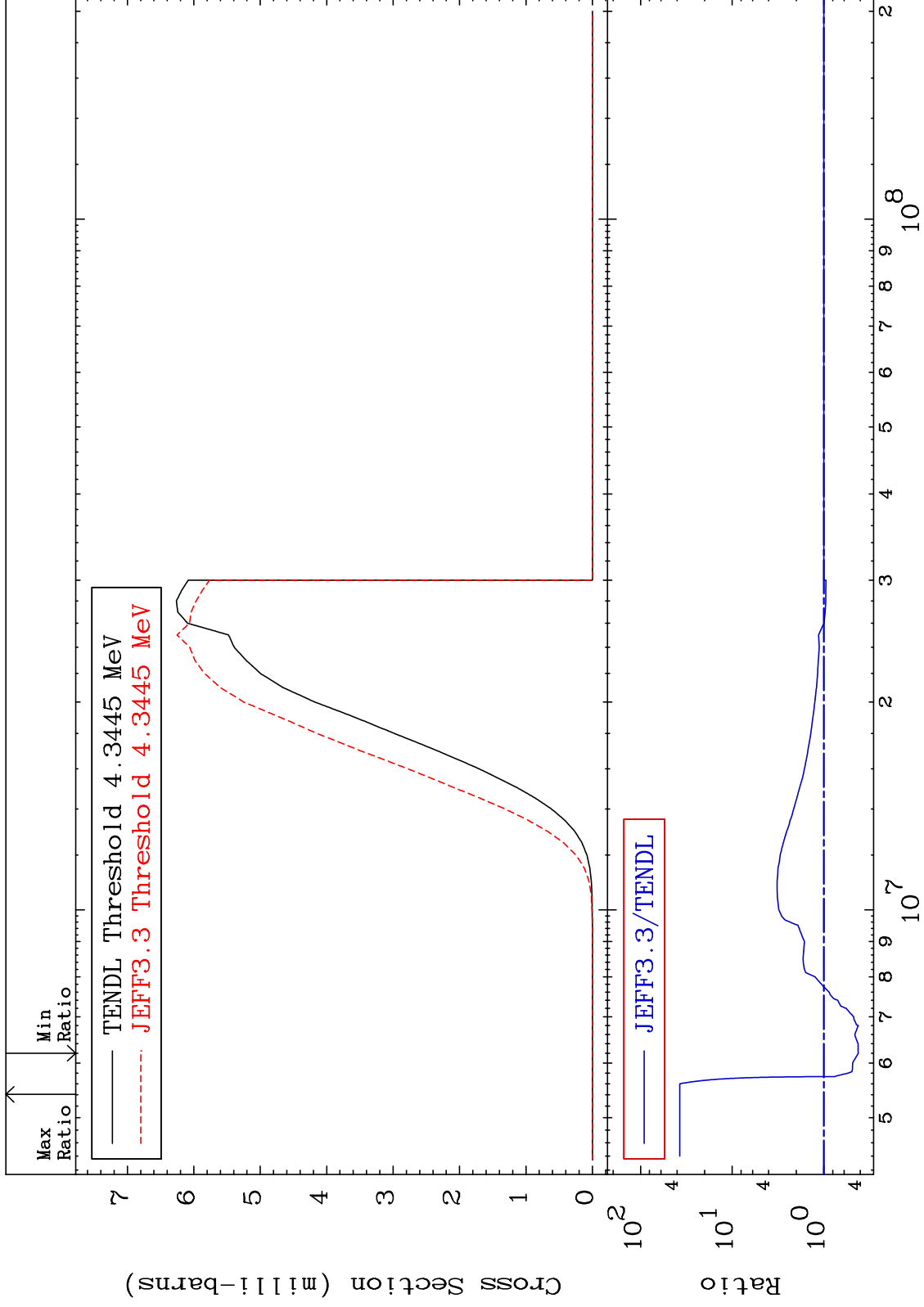
Radionuclide Production Cross Section 0.000 To 9999. %



55-Cs-134

Incident Energy (eV)

98



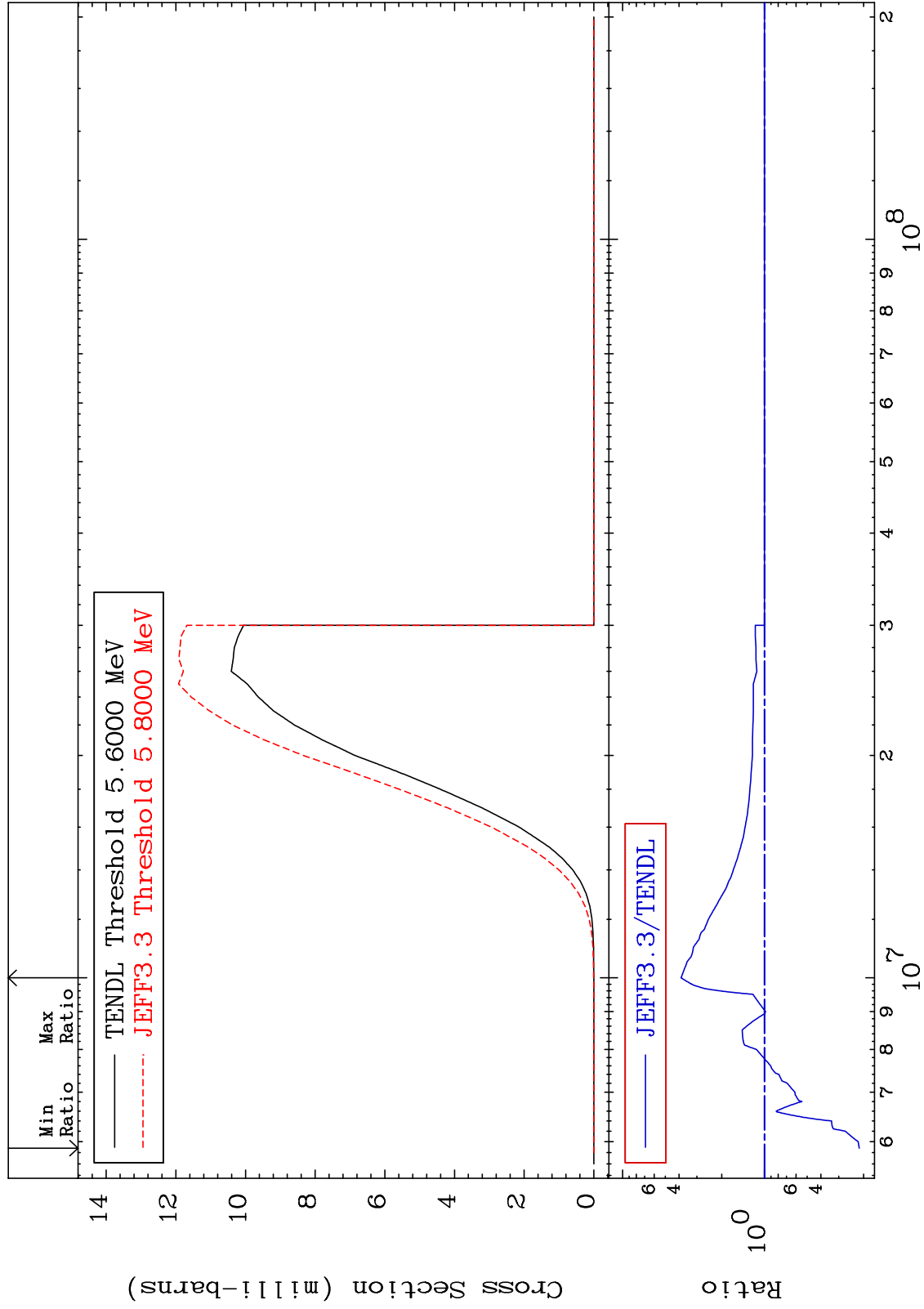
MAT 5528

(n,d):54-Xe-133m1

55-Cs-134

Radionuclide Production Cross Section

-78.51 To 287.5 %



100

Incident Energy (eV)

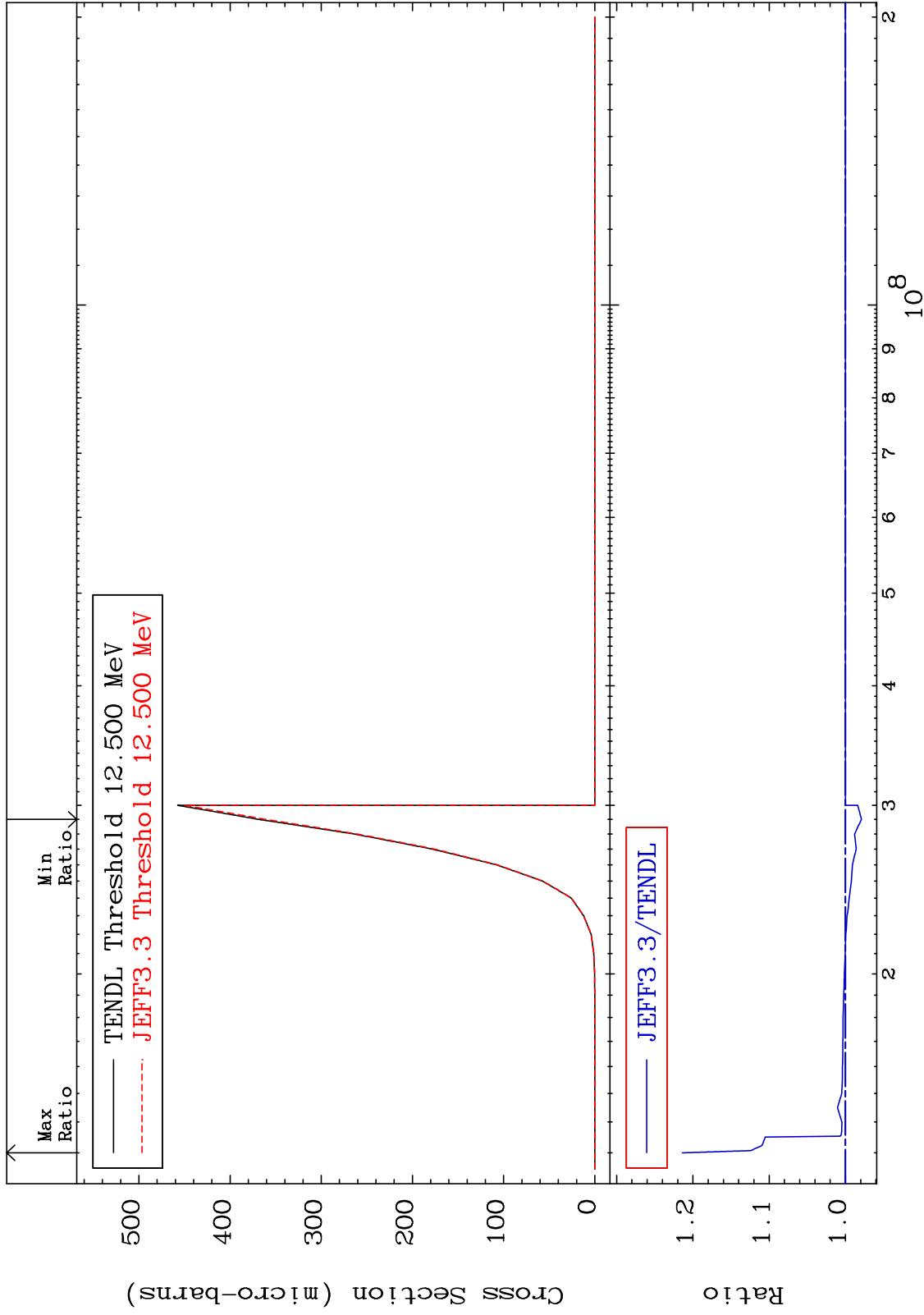
55-Cs-134

MAT 5528

(n,He-3):53-I -132g

55-Cs-134

Radionuclide Production Cross Section -2.106 To 21.37 %

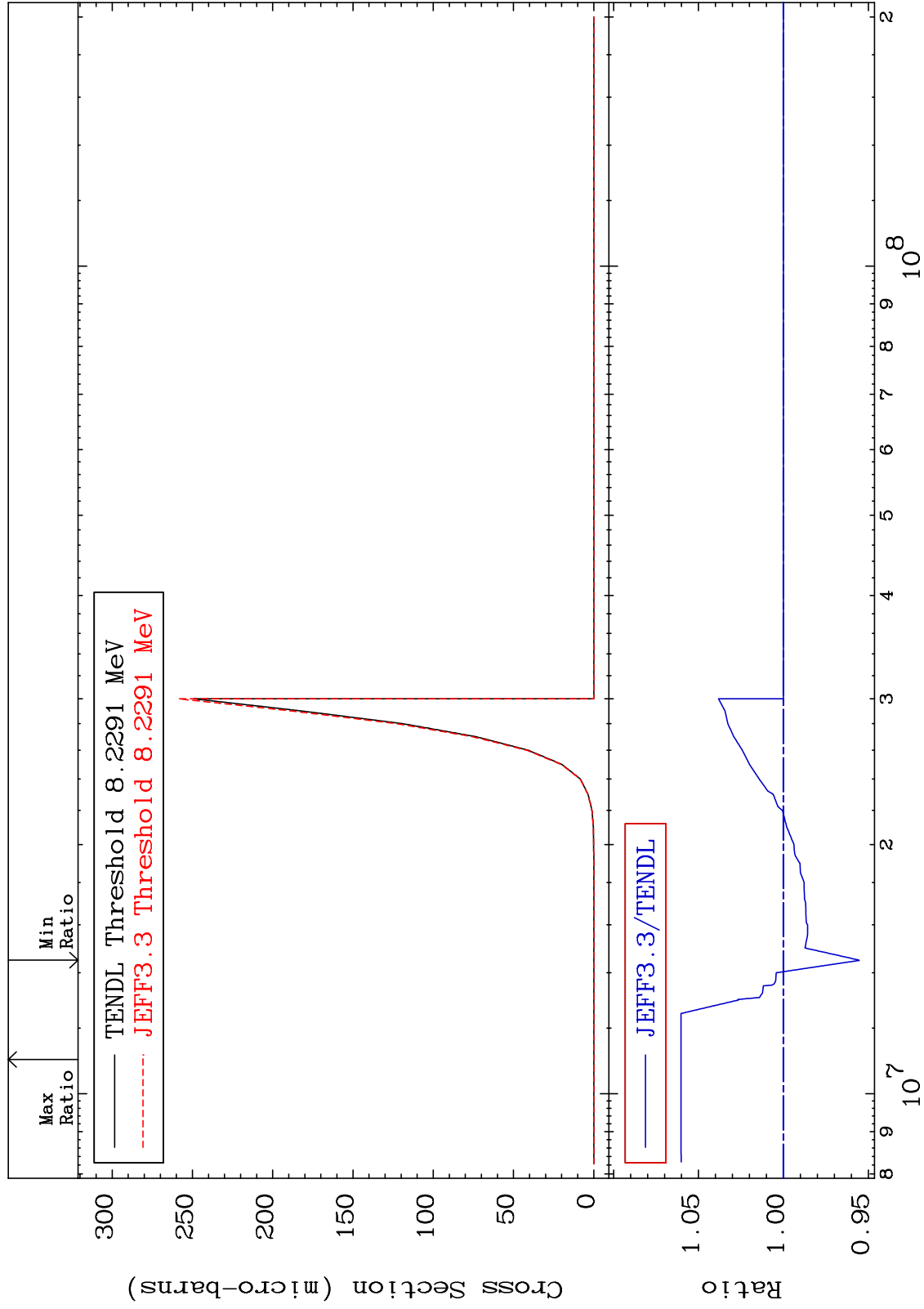


MAT 5528

(n, He-3):53-I -132m3

55-Cs-134

Radionuclide Production Cross Section -4.465 To 6.028 %



102

Incident Energy (eV)

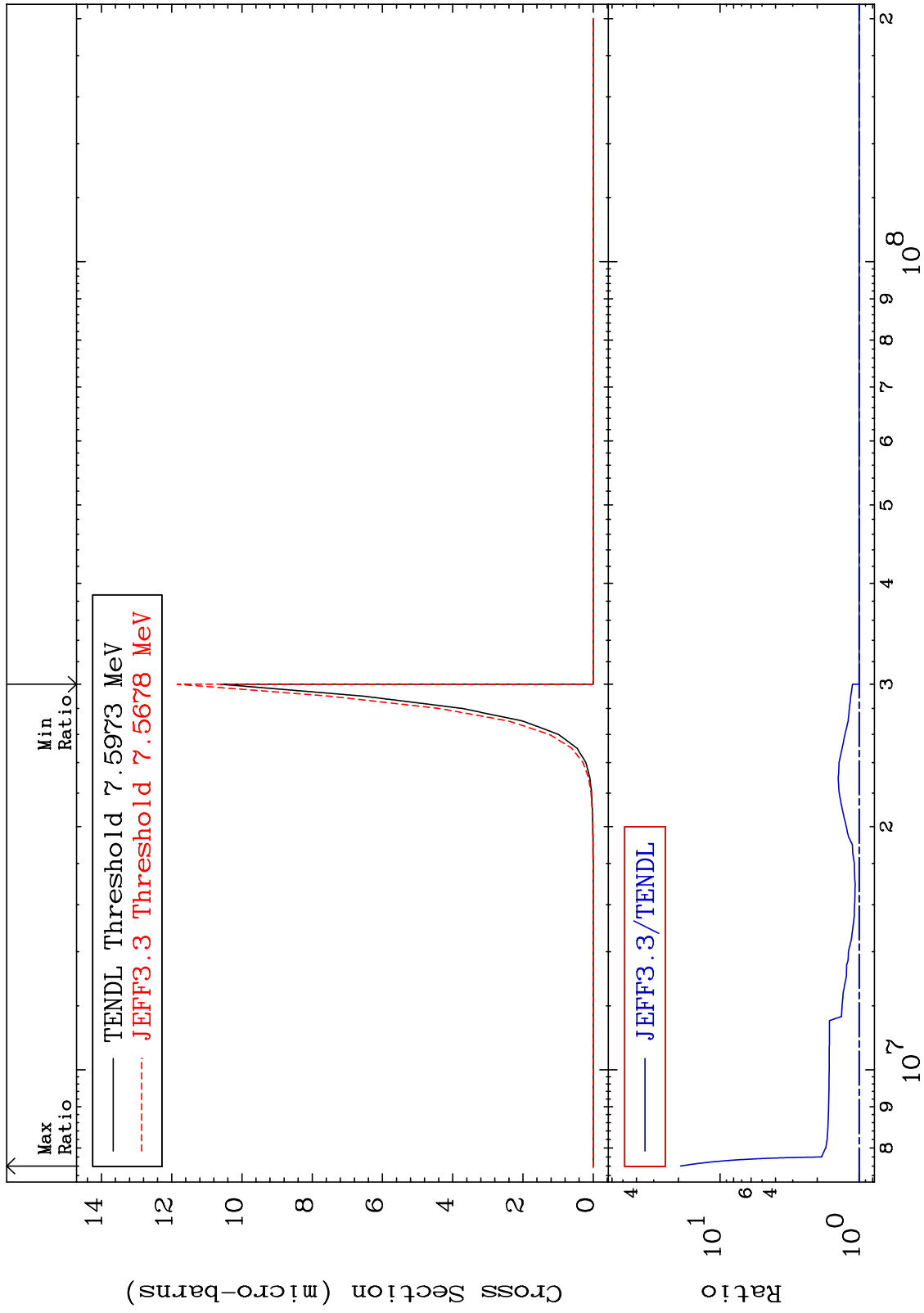
55-Cs-134

MAT 5528

(n,2p):53-I -133g

55-Cs-134

Radionuclide Production Cross Section 0.000 To 1823. %



103

Incident Energy (eV)

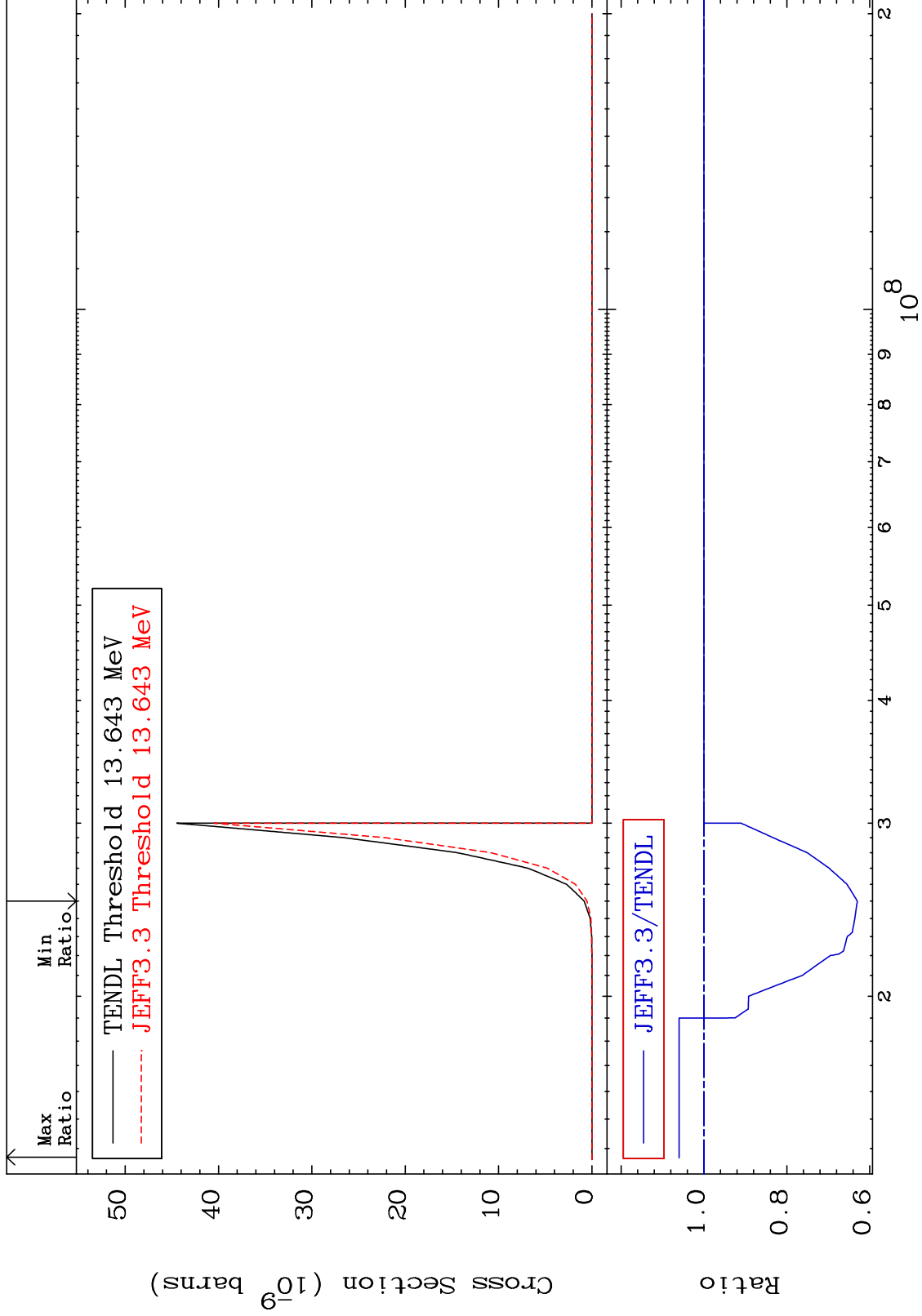
55-Cs-134

MAT 5528

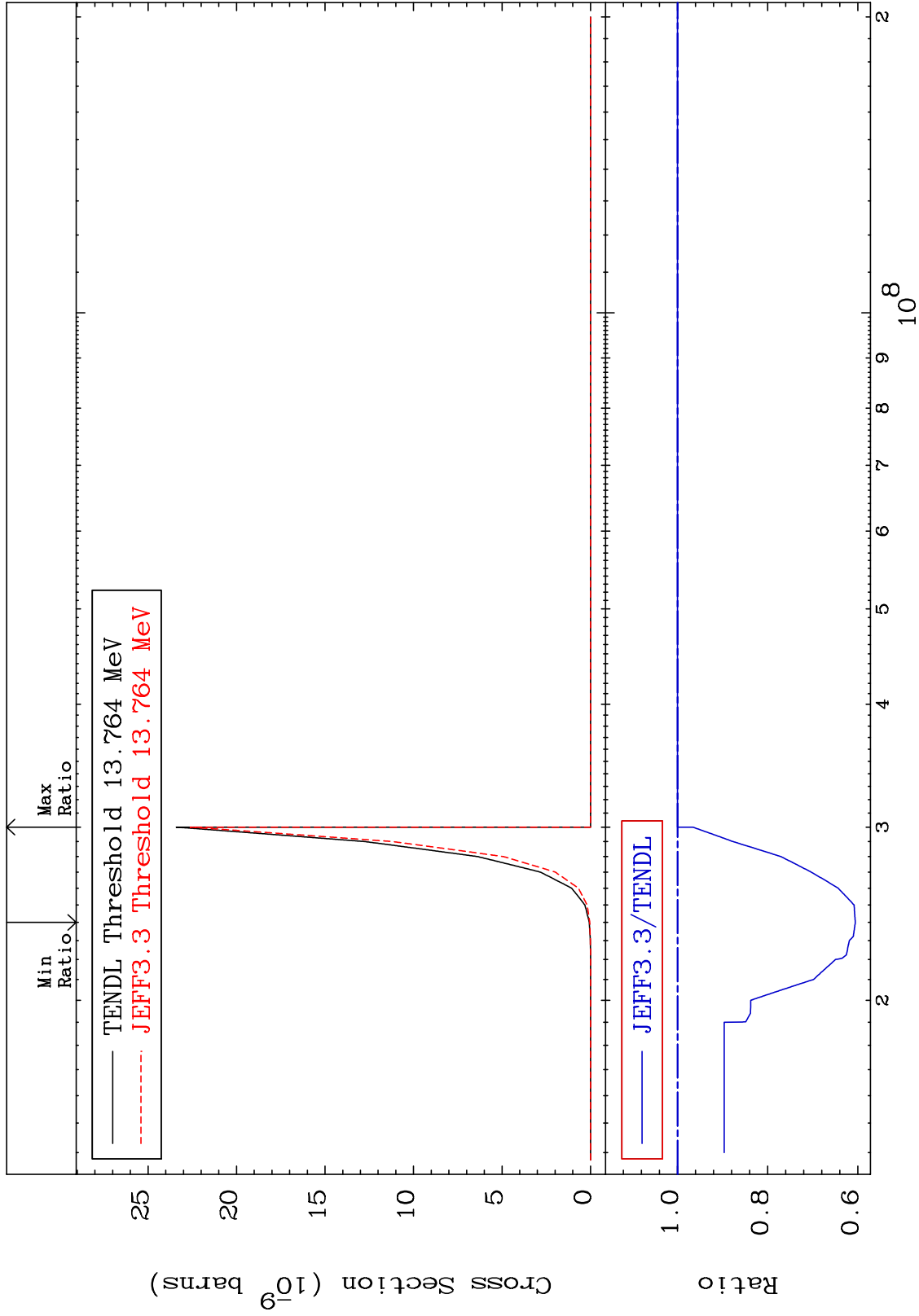
(n, p) d:53-I -132g

55-Cs-134

Radionuclide Production Cross Section -37.01 To 5.980 %



Radionuclide Production Cross Section -39.42 To 0.000 %

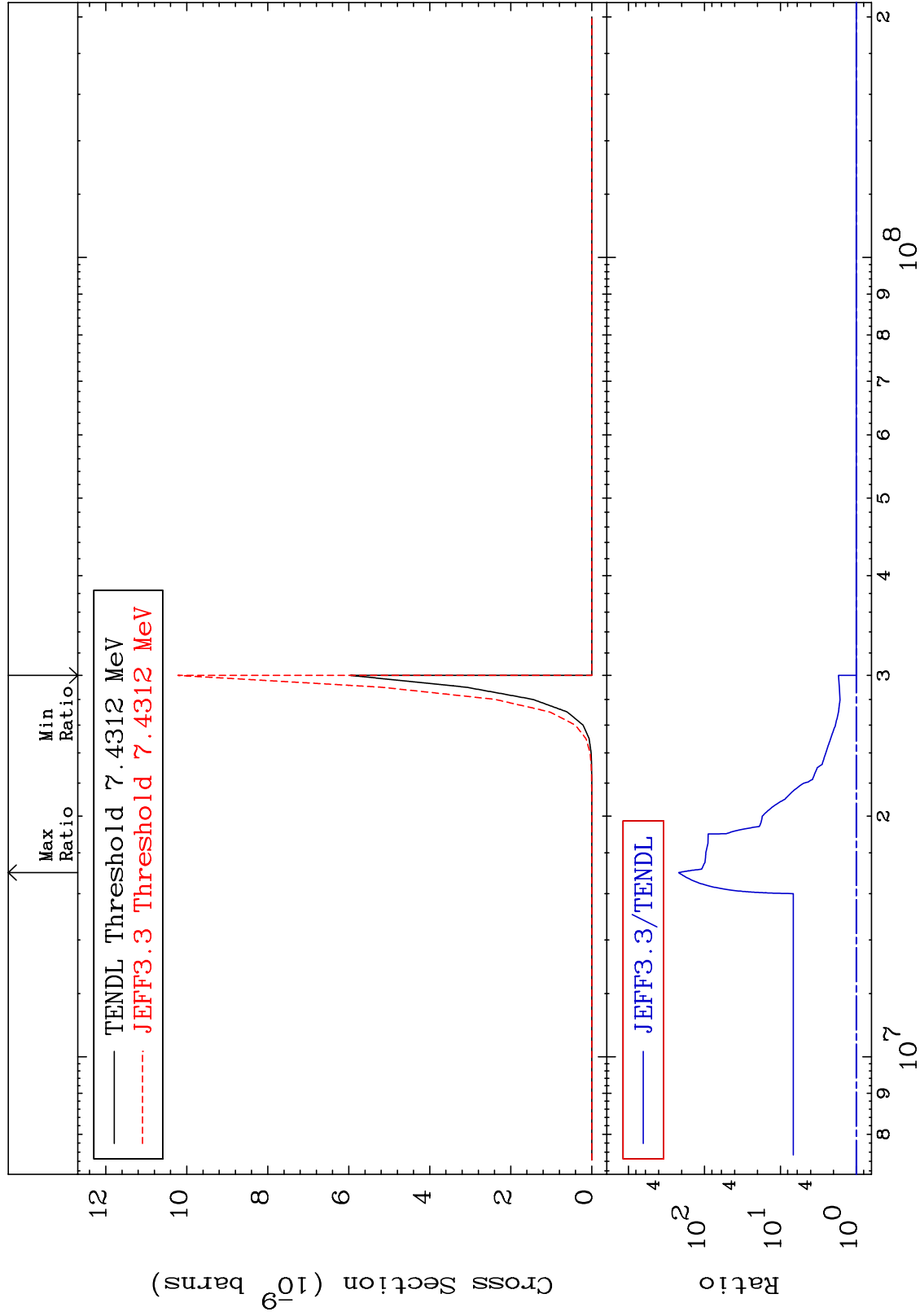


MAT 5528

55-Cs-134

(n, d) α :52-Te-129g

Radionuclide Production Cross Section 0.000 To 9999. %



106

Incident Energy (eV)

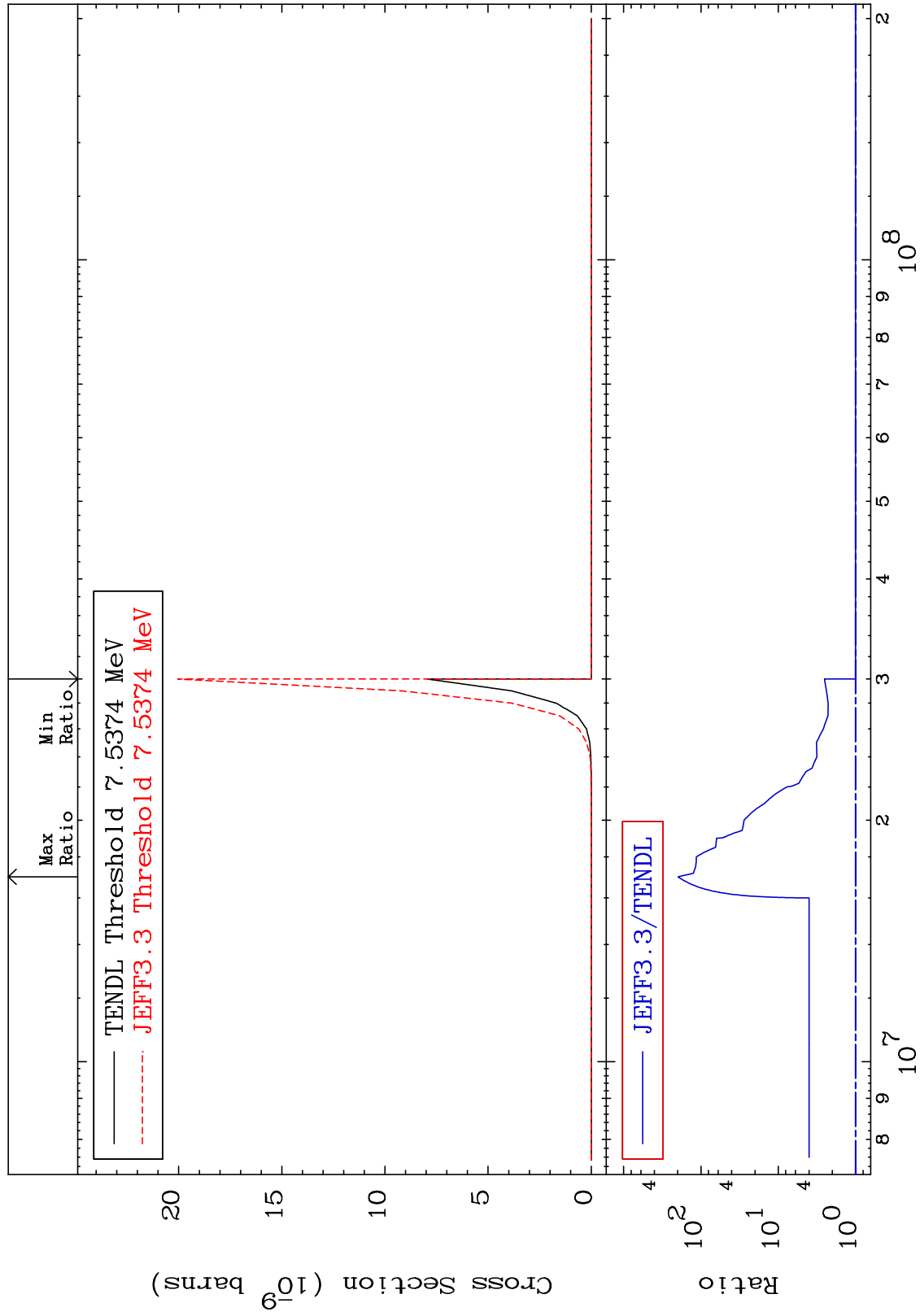
55-Cs-134

MAT 5528

(n,d) α :52-Te-129m1

55-Cs-134

Radionuclide Production Cross Section 0.000 To 9999. %



107

Incident Energy (eV)

55-Cs-134