

Program Complot
(Version 2021-1)

by

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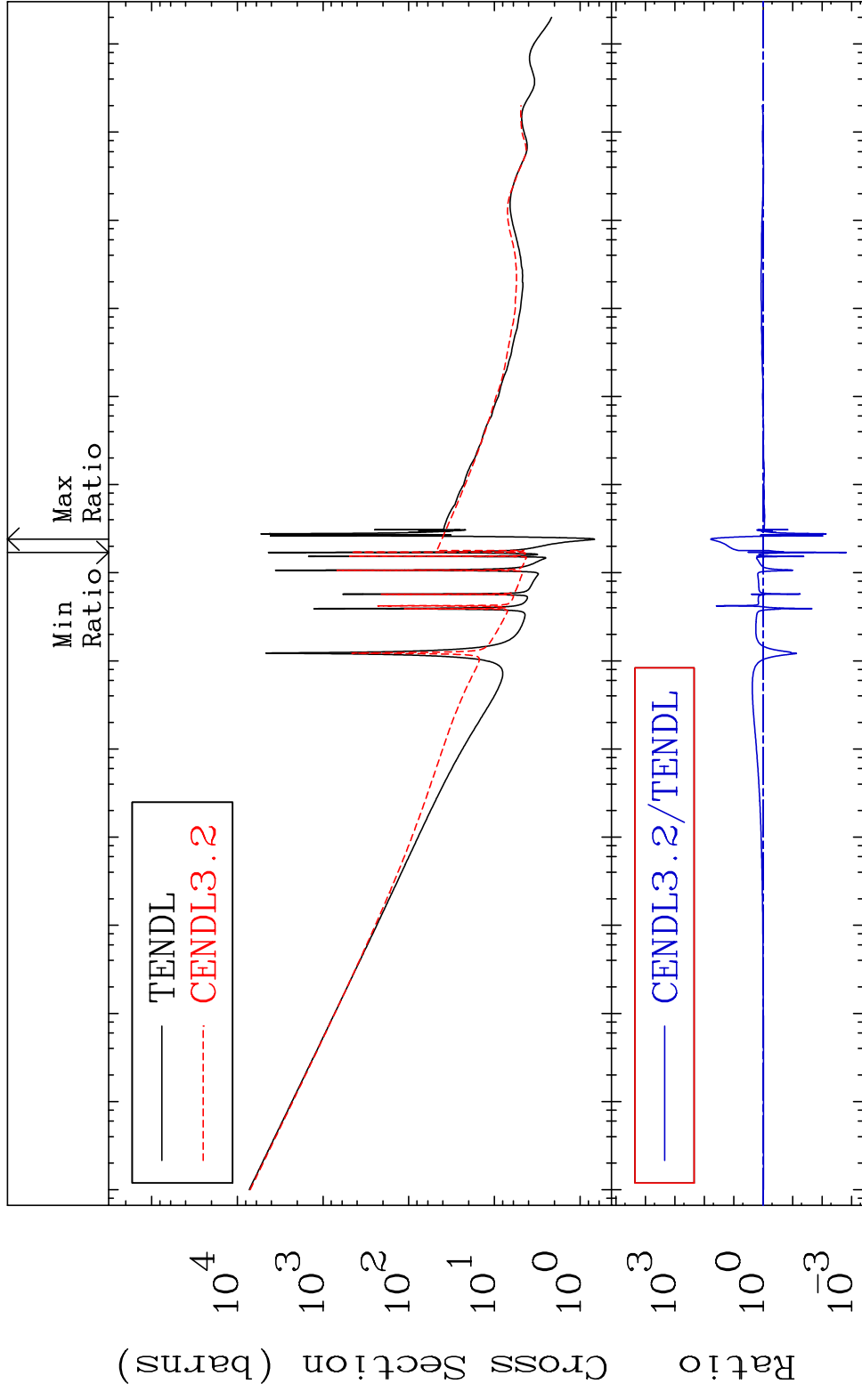
Press Mouse Button to Start

MAT 5528

55-Cs-134

Total

Cross Section -99.85 To 6000. %



1

Incident Energy (eV)

55-Cs-134

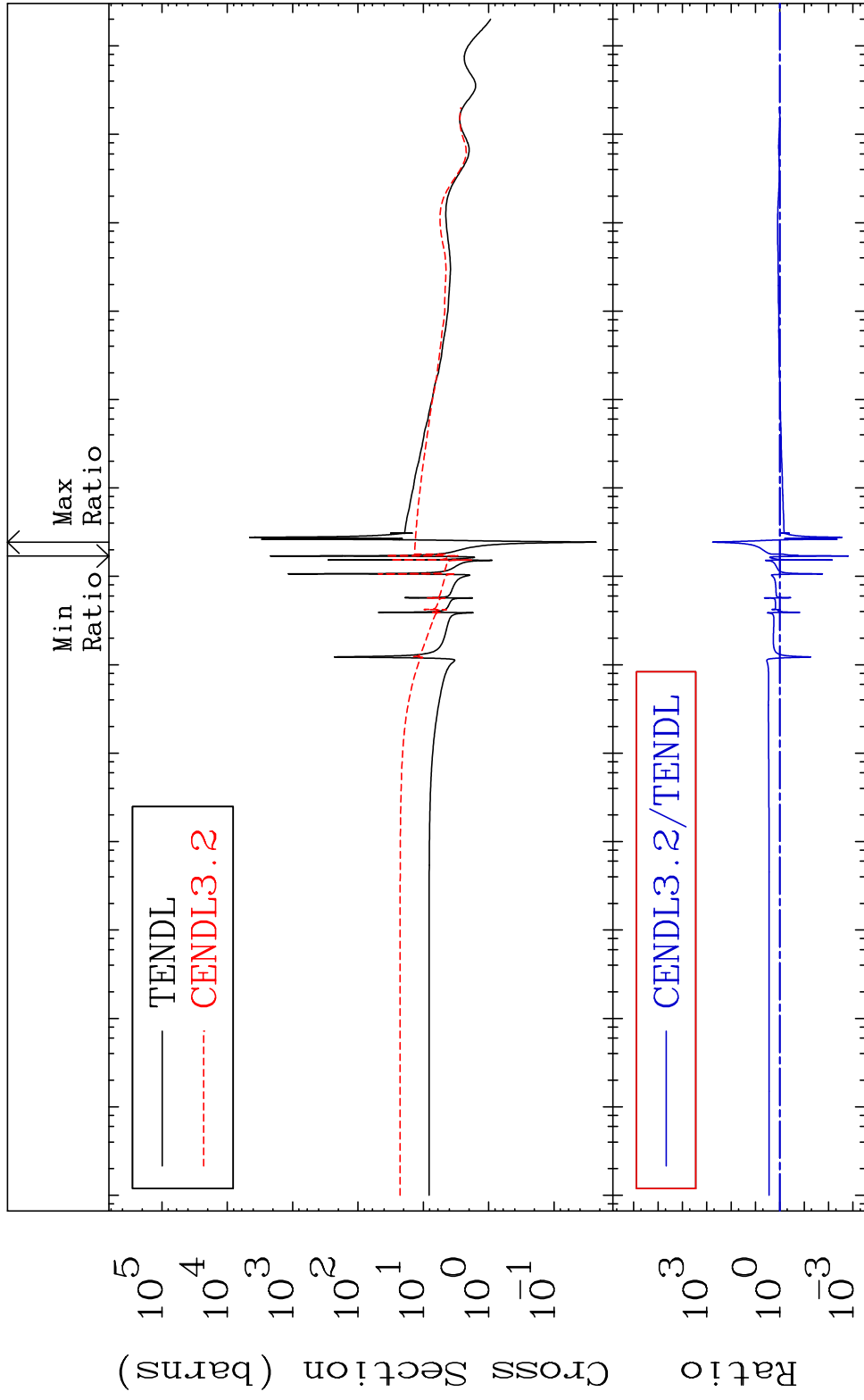
MAT 5528

Elastic

55-Cs-134

Cross Section

-99.84 To 9999. %



2

Incident Energy (eV)

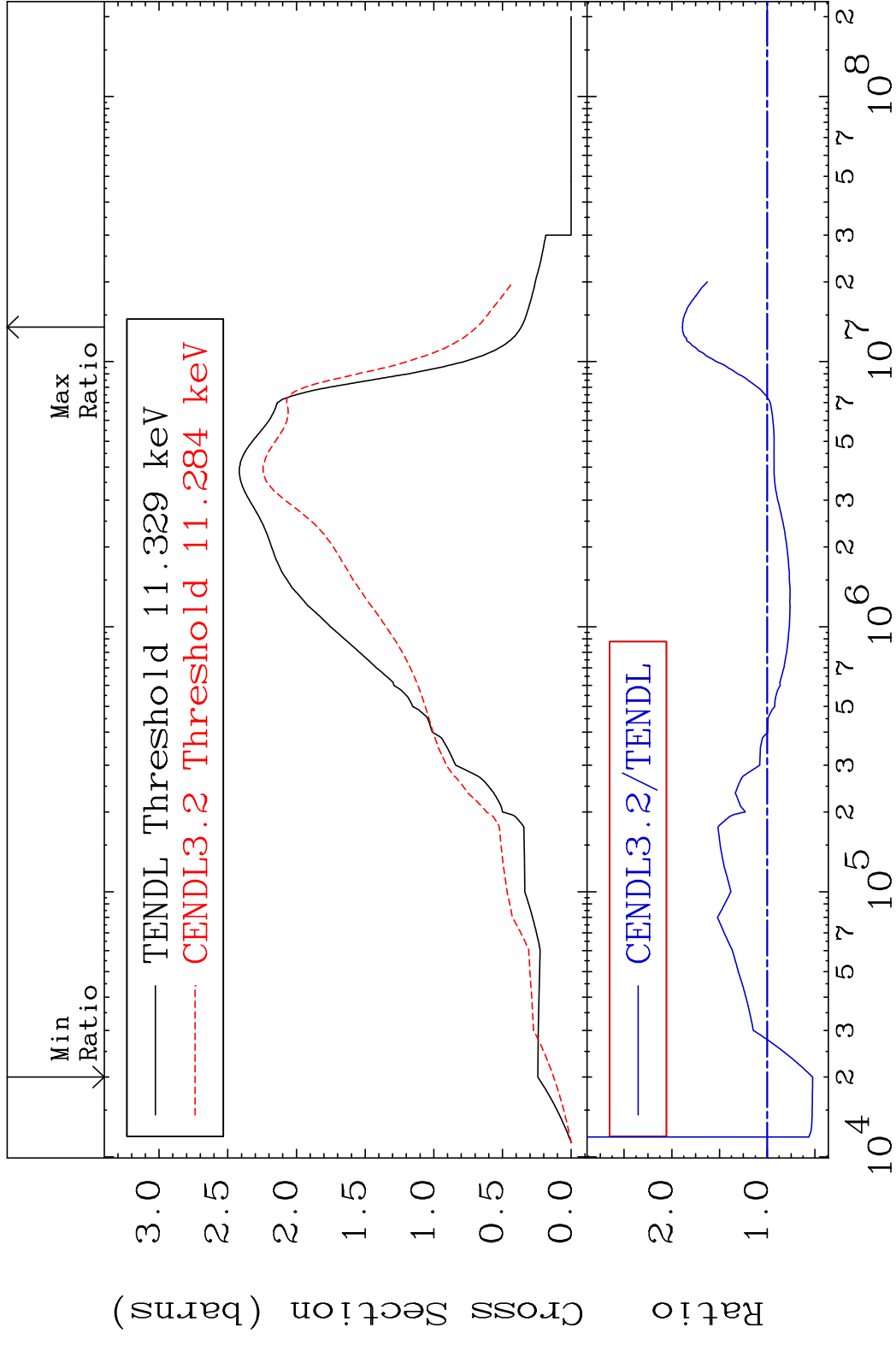
55-Cs-134

MAT 5528

Inelastic

55-Cs-134

Cross Section -47.48 To 88.95 %



3

Incident Energy (eV)

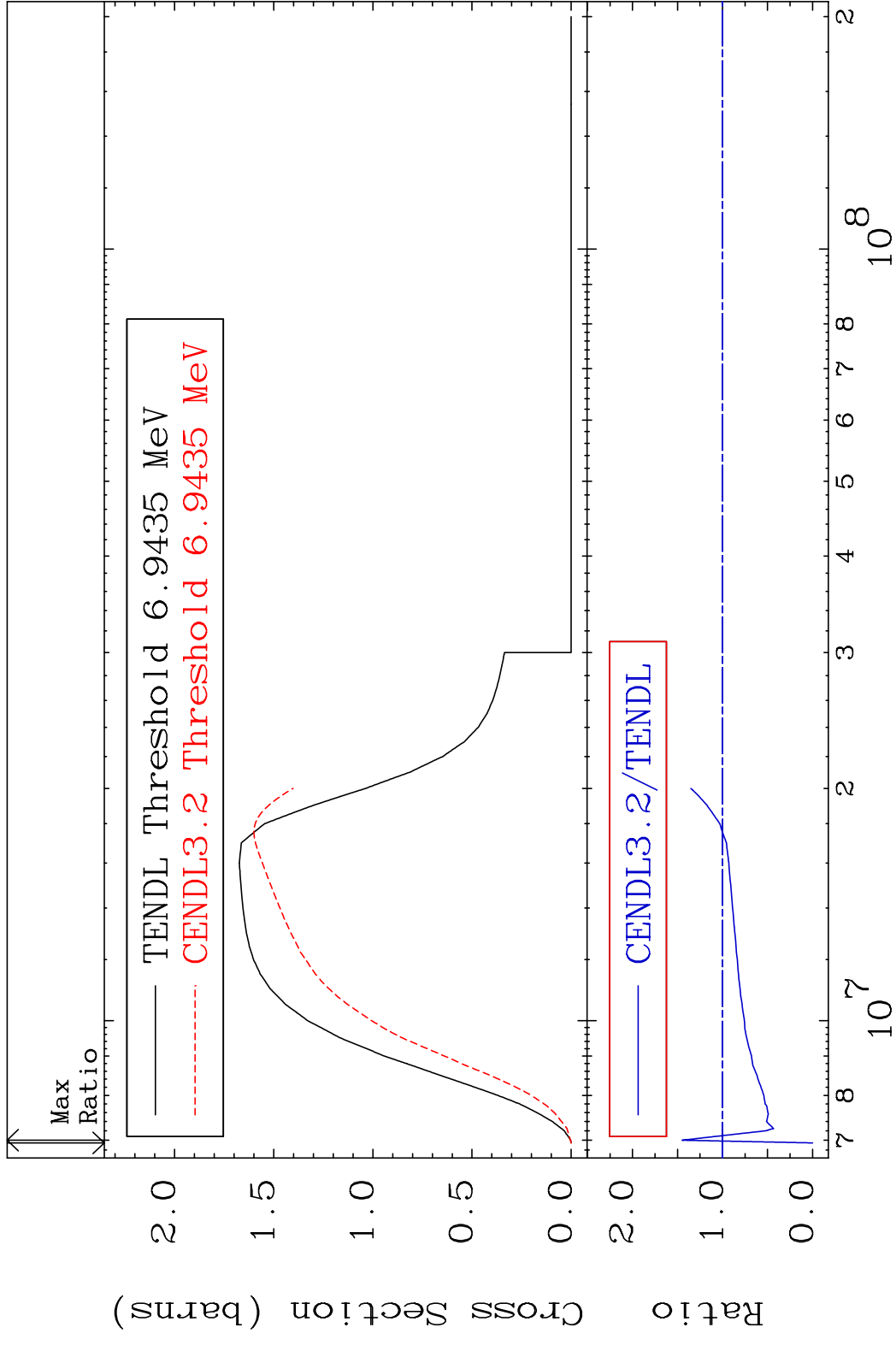
55-Cs-134

MAT 5528

(n,2n)

55-Cs-134

Cross Section -100.0 To 44.64 %



4

Incident Energy (eV)

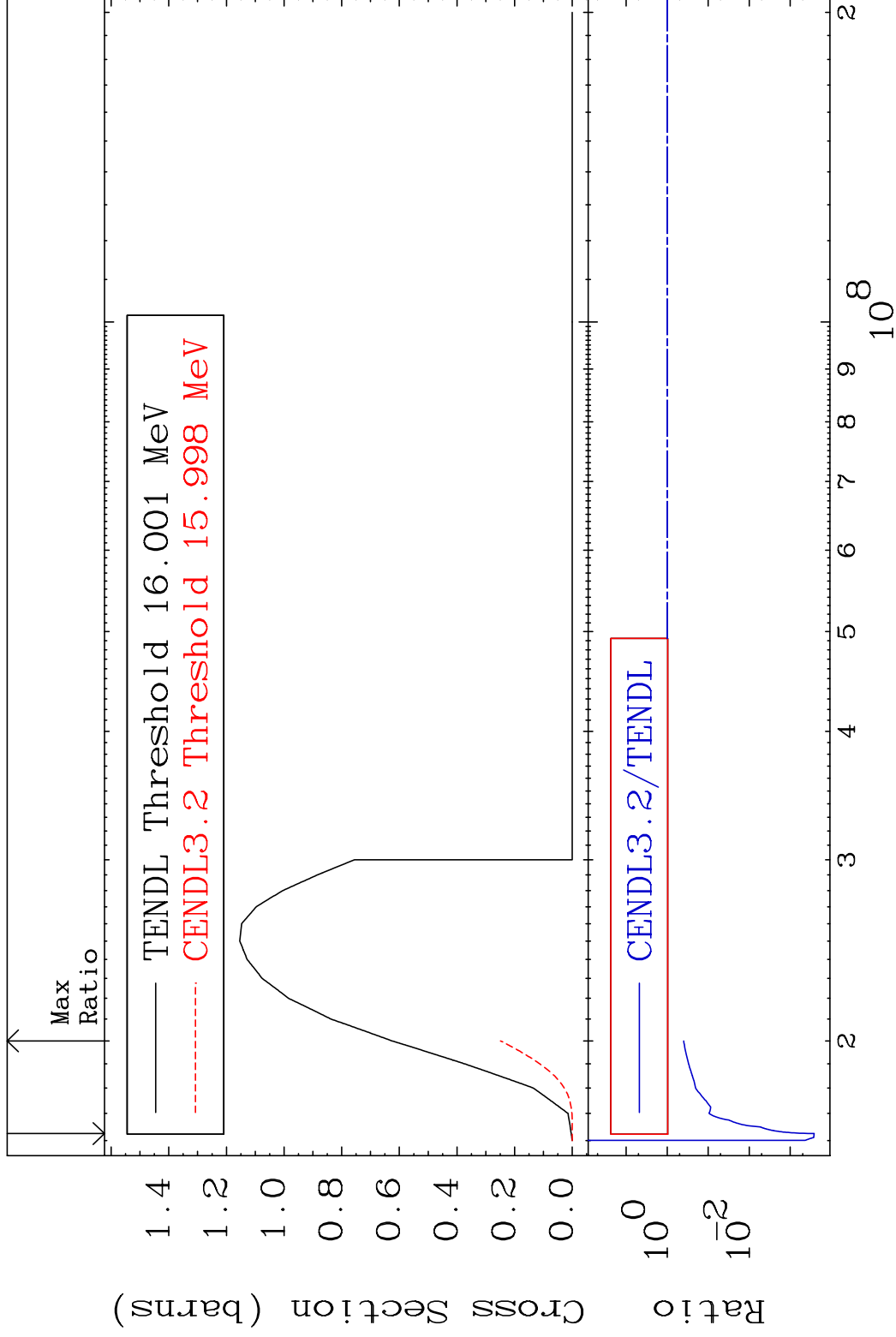
55-Cs-134

MAT 5528

(n,3n)

55-Cs-134

Cross Section -99.97 To -60.24%



5

Incident Energy (eV)

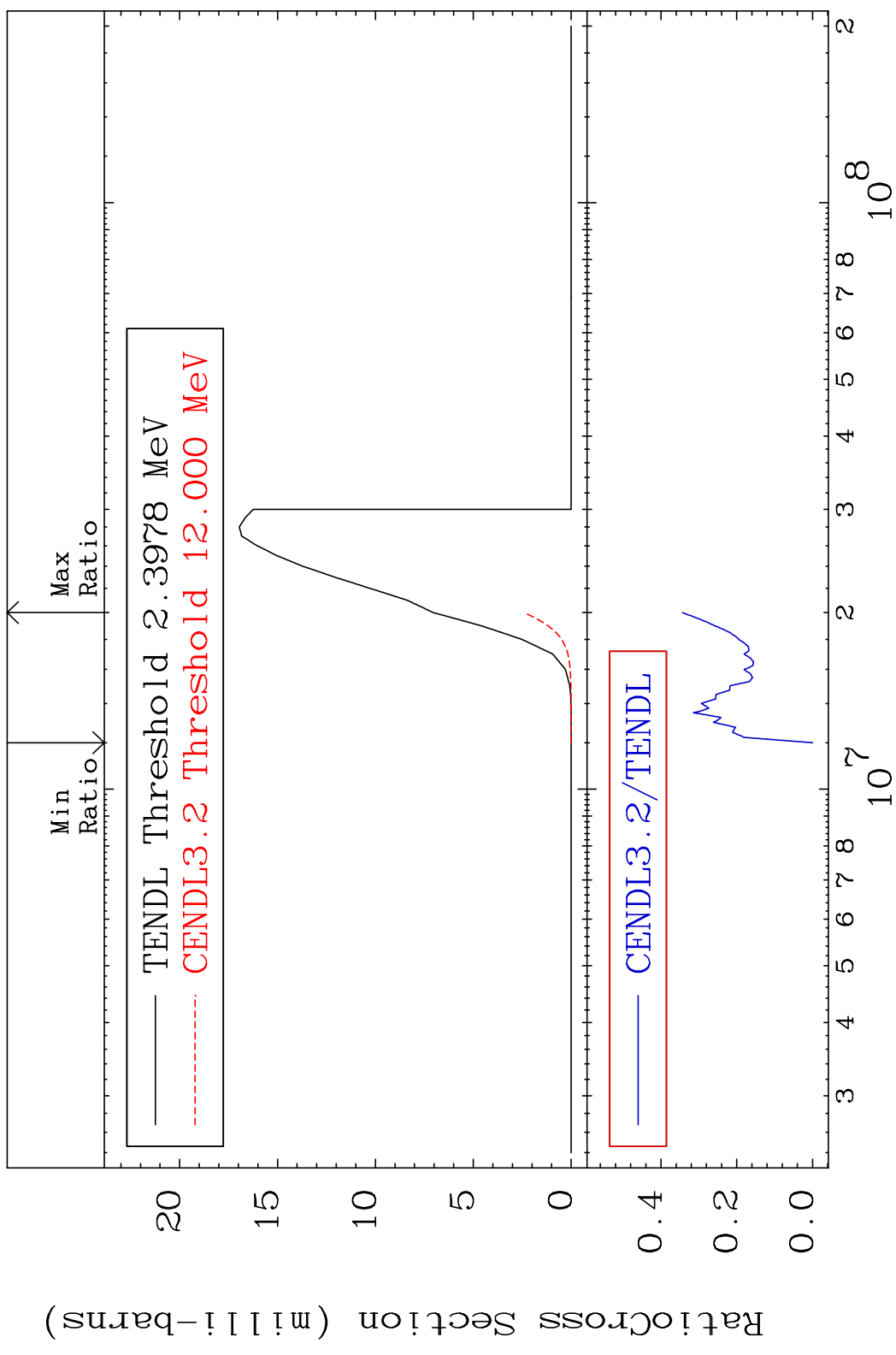
55-Cs-134

MAT 5528

(n, n') α

55-Cs-134

Cross Section -100.0 To -65.64%



6

Incident Energy (eV)

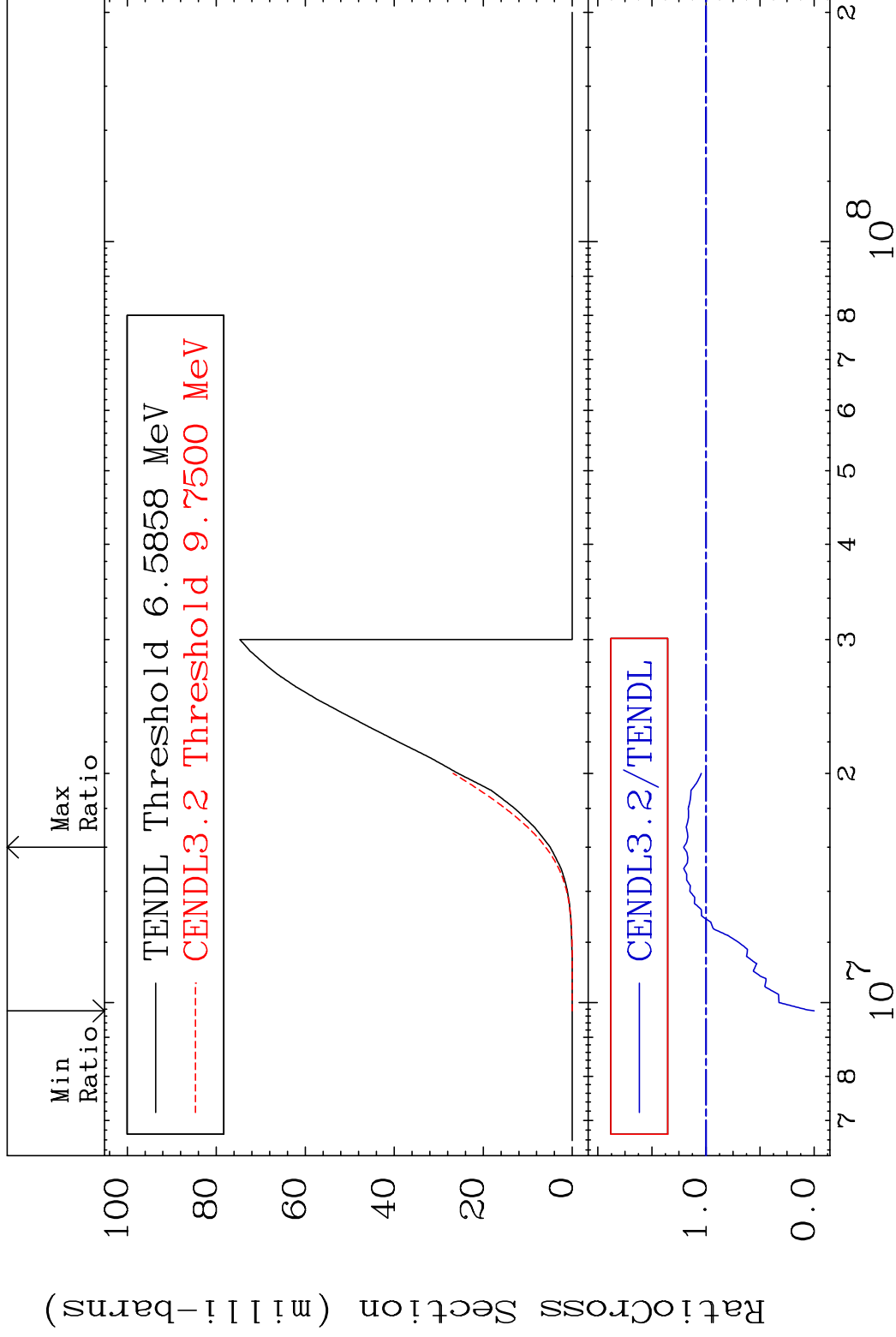
55-Cs-134

MAT 5528

(n, n') p

55-Cs-134

Cross Section -100.0 To 20.67 %

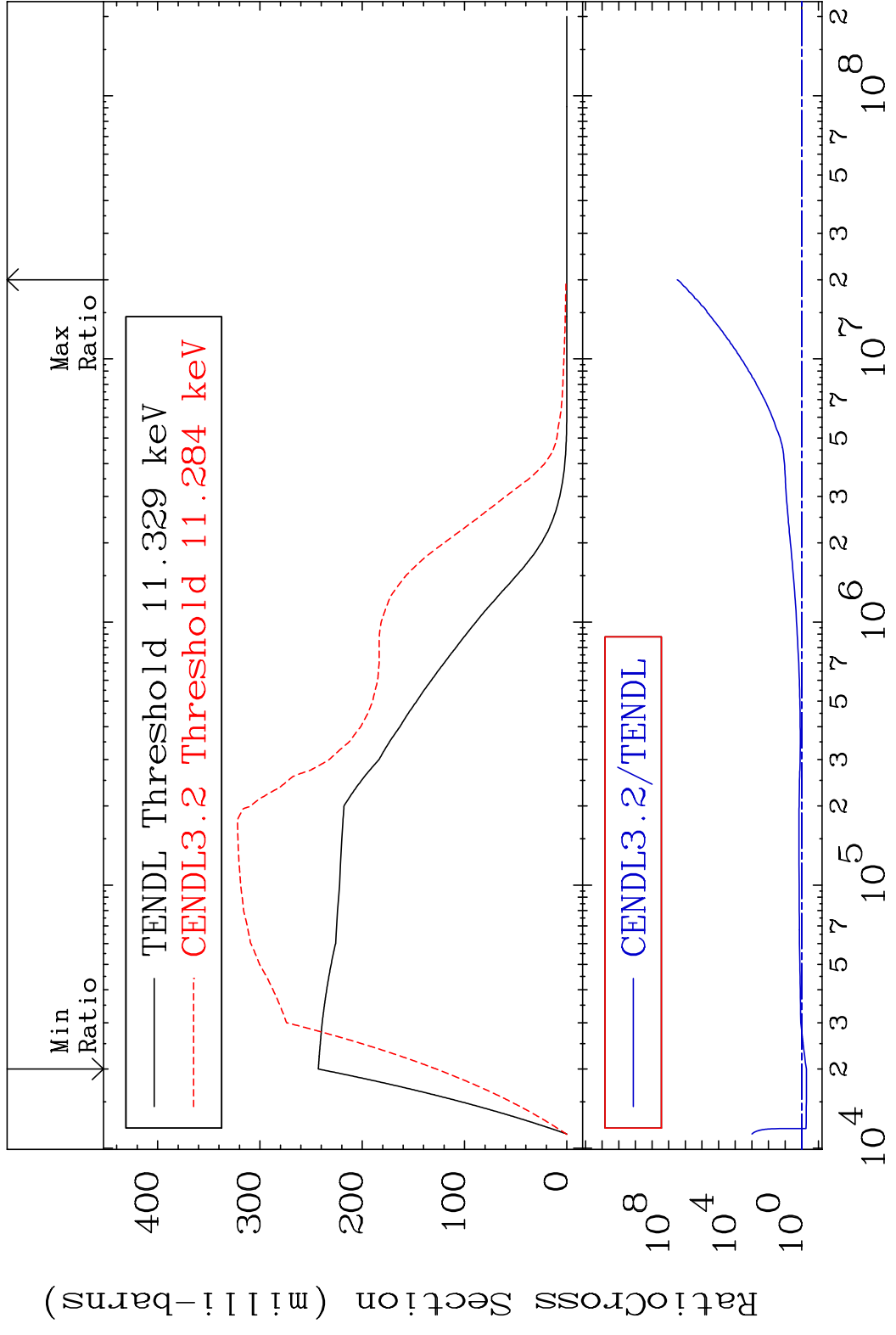


7

Incident Energy (eV)

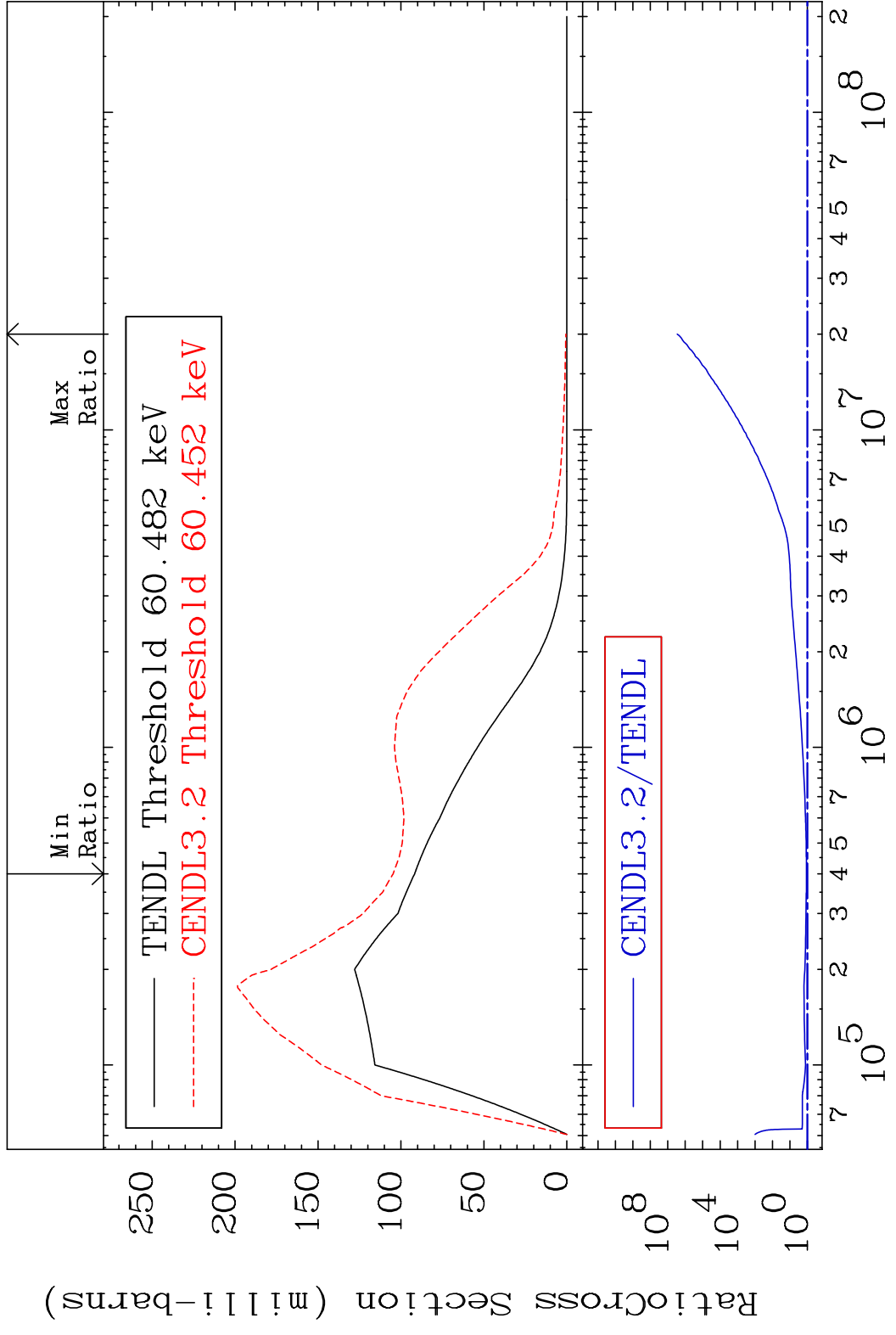
55-Cs-134

MAT 5528 MT= 51 (n, n') Level 55-Cs-134
 Cross Section -47.48 To 9999. %

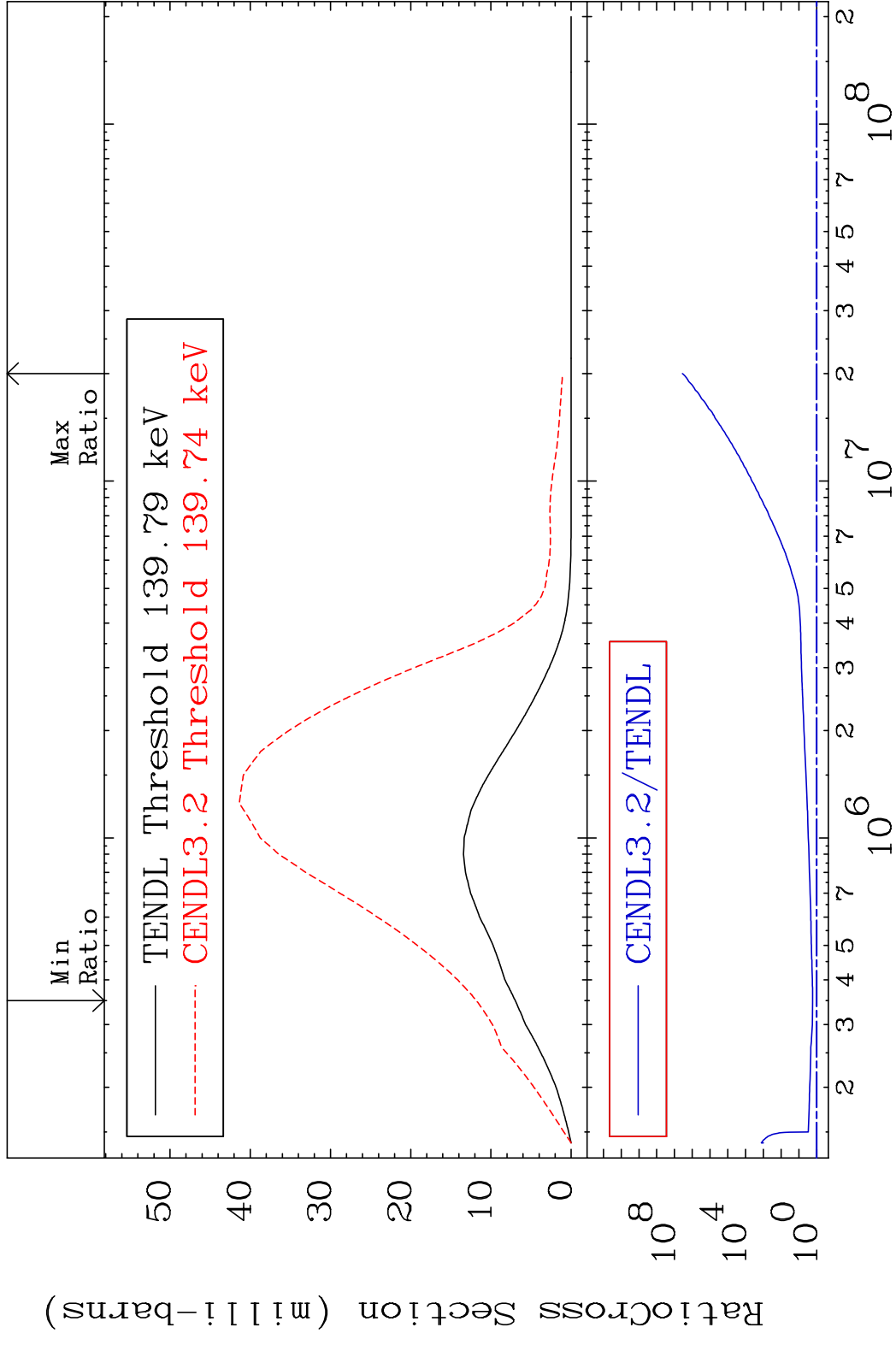


8 Incident Energy (eV) 55-Cs-134

MAT 5528 MT= 52 (n,n') Level 55-Cs-134
 Cross Section 14.10 To 9999. %

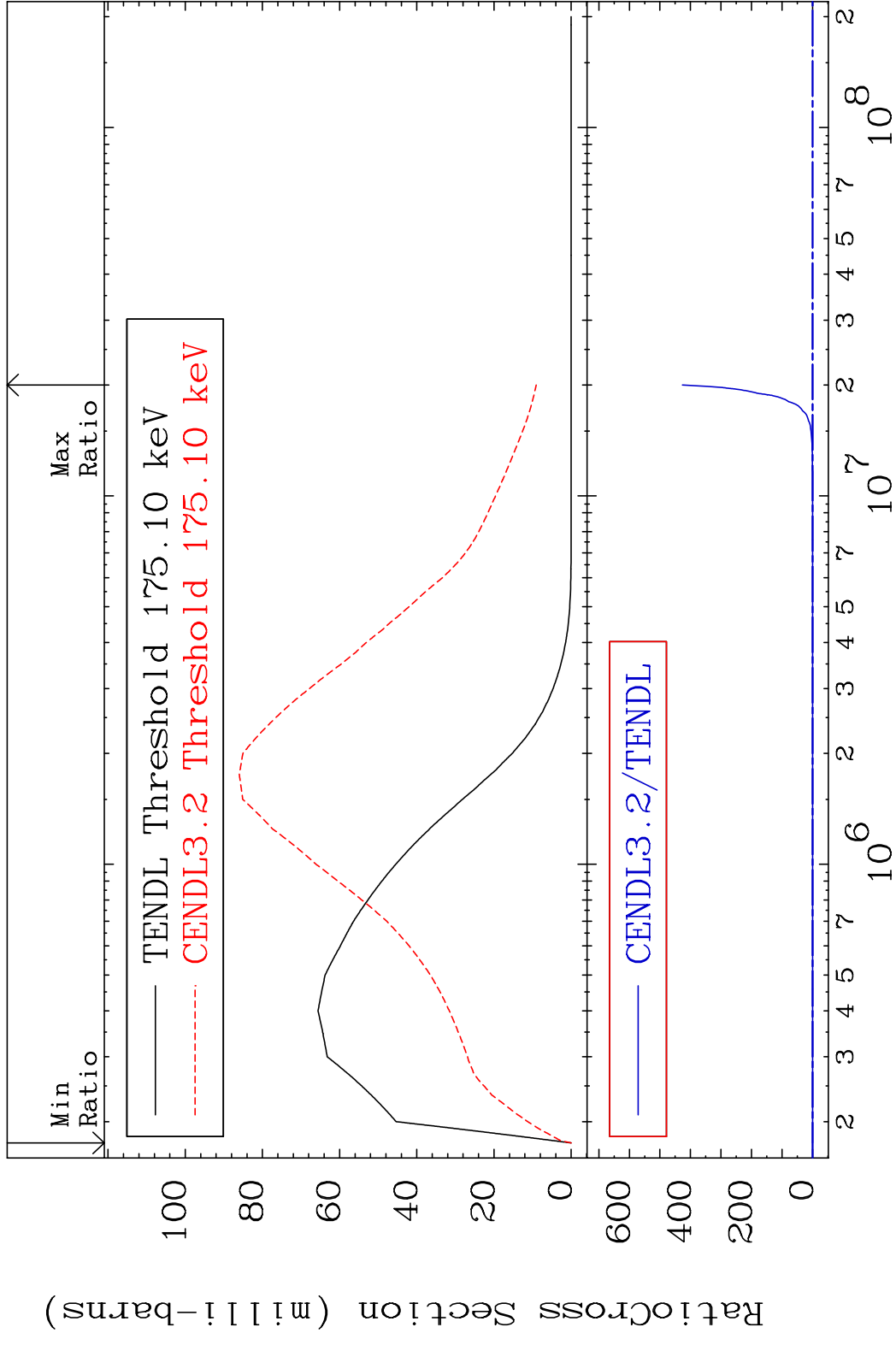


MAT 5528 MT= 53 (n,n') Level 55-Cs-134
 Cross Section 69.13 To 9999. %

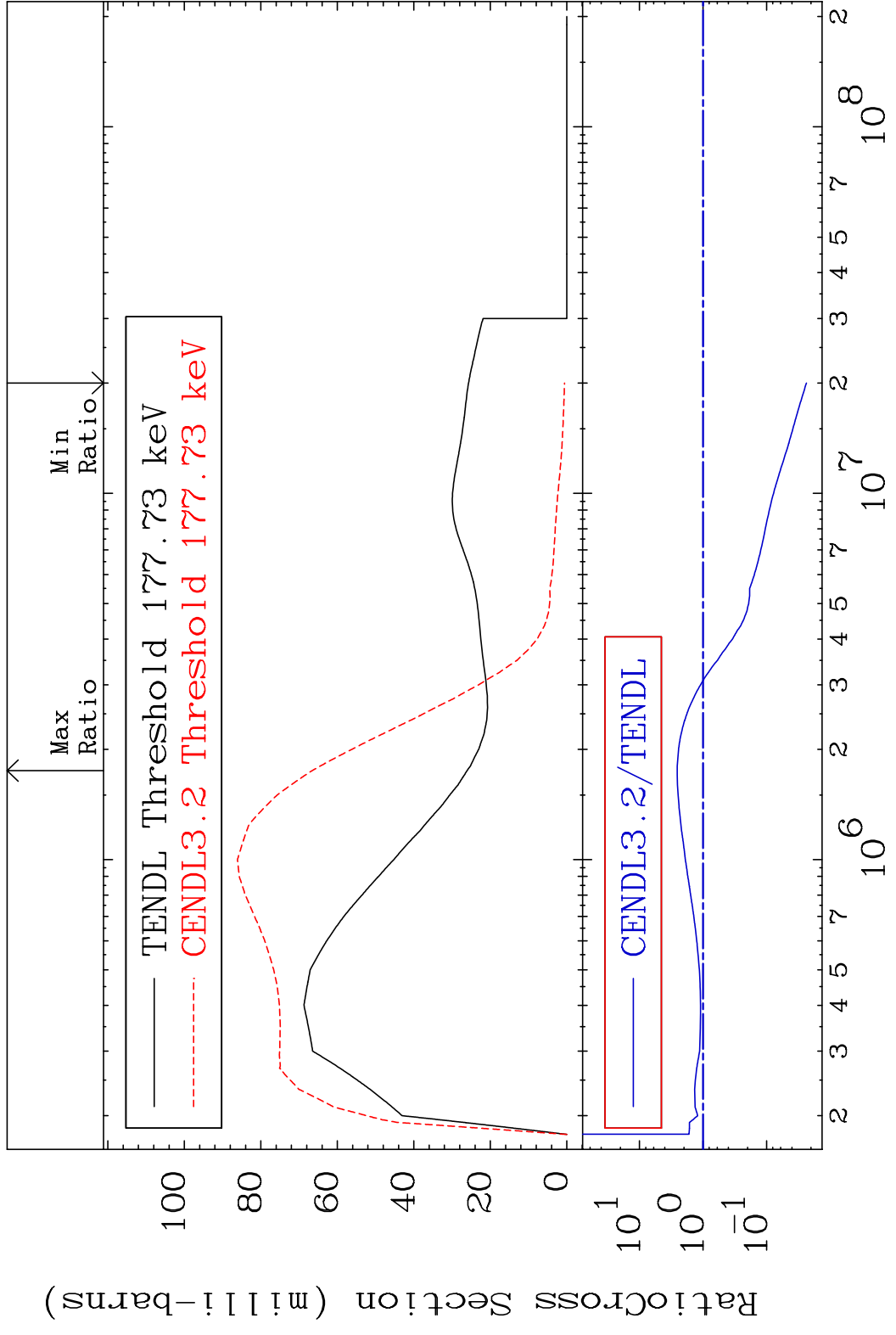


10 Incident Energy (eV) 55-Cs-134

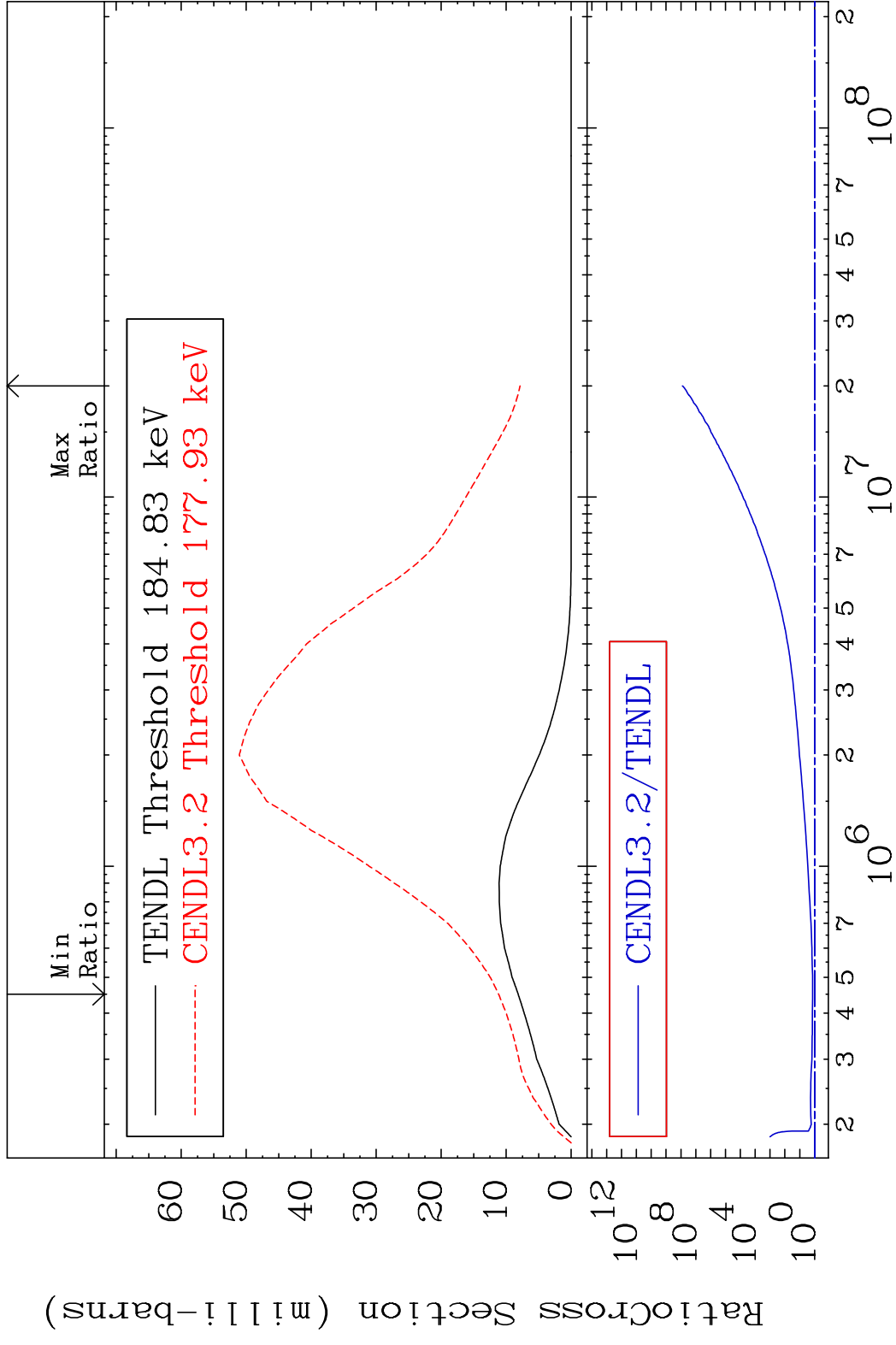
MAT 5528 MT= 54 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



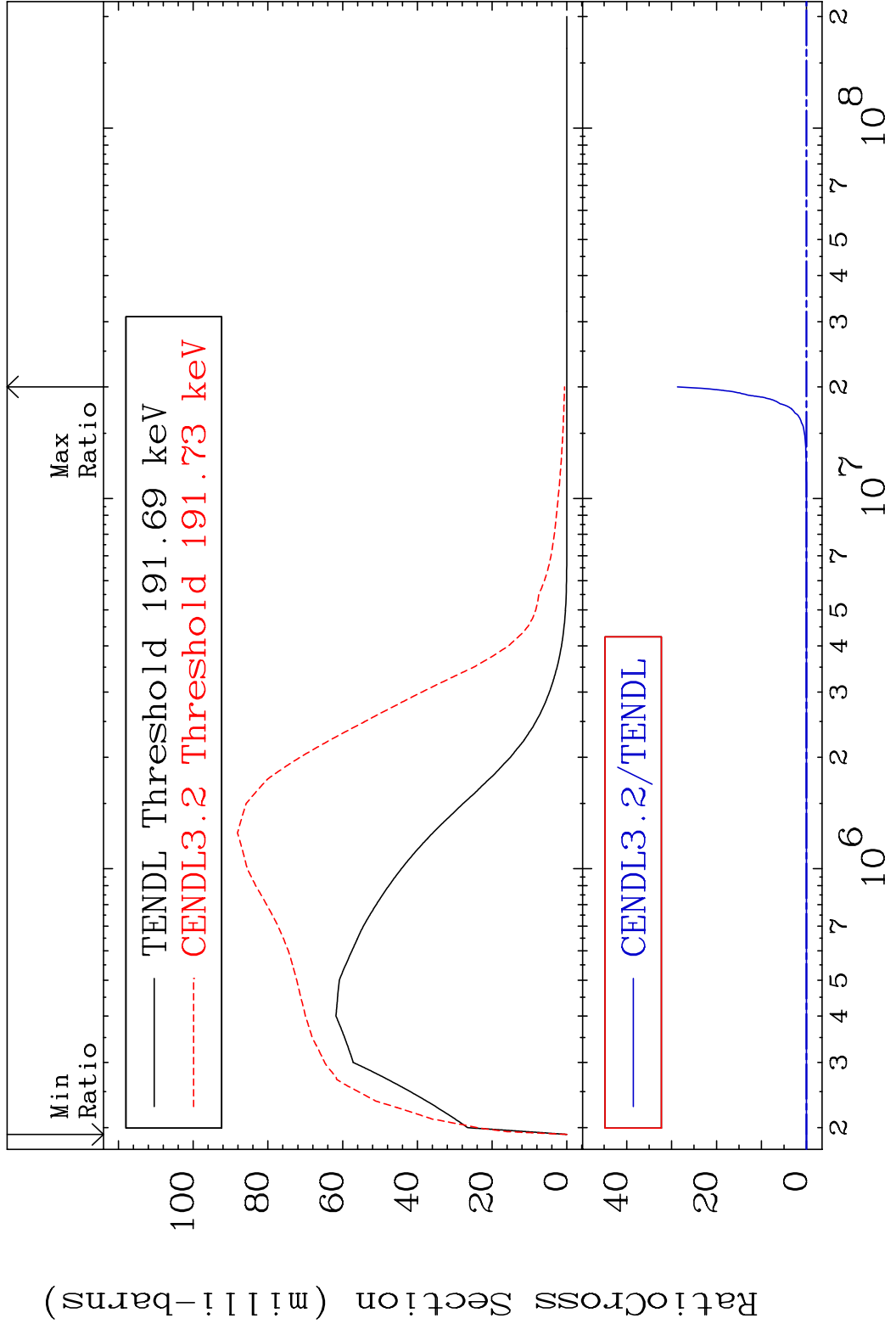
MAT 5528 MT= 55 (n,n') Level 55-Cs-134
 Cross Section -97.63 To 155.6 %



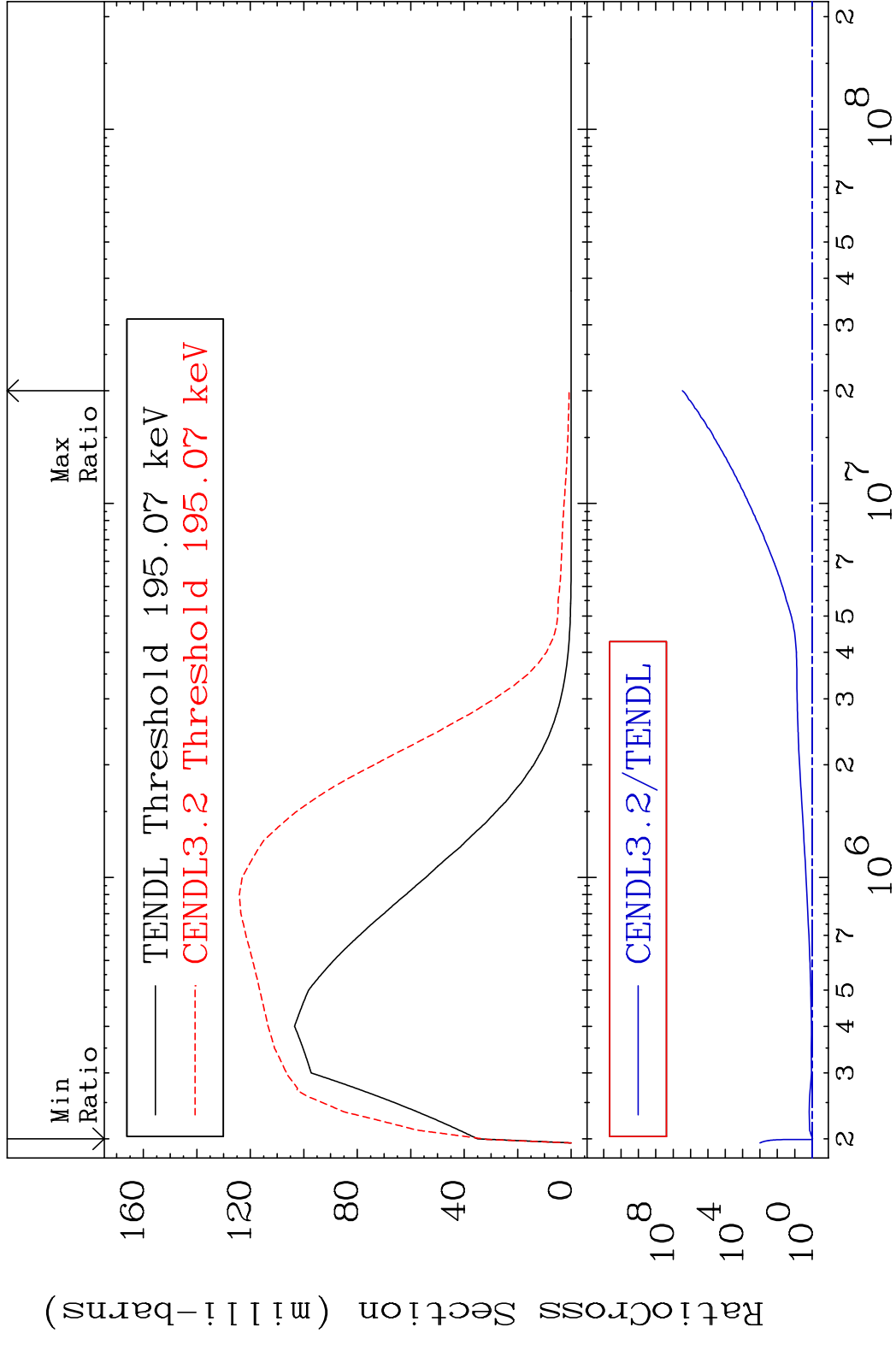
MAT 5528 MT= 56 (n, n') Level 55-Cs-134
 Cross Section 36.96 To 9999. %



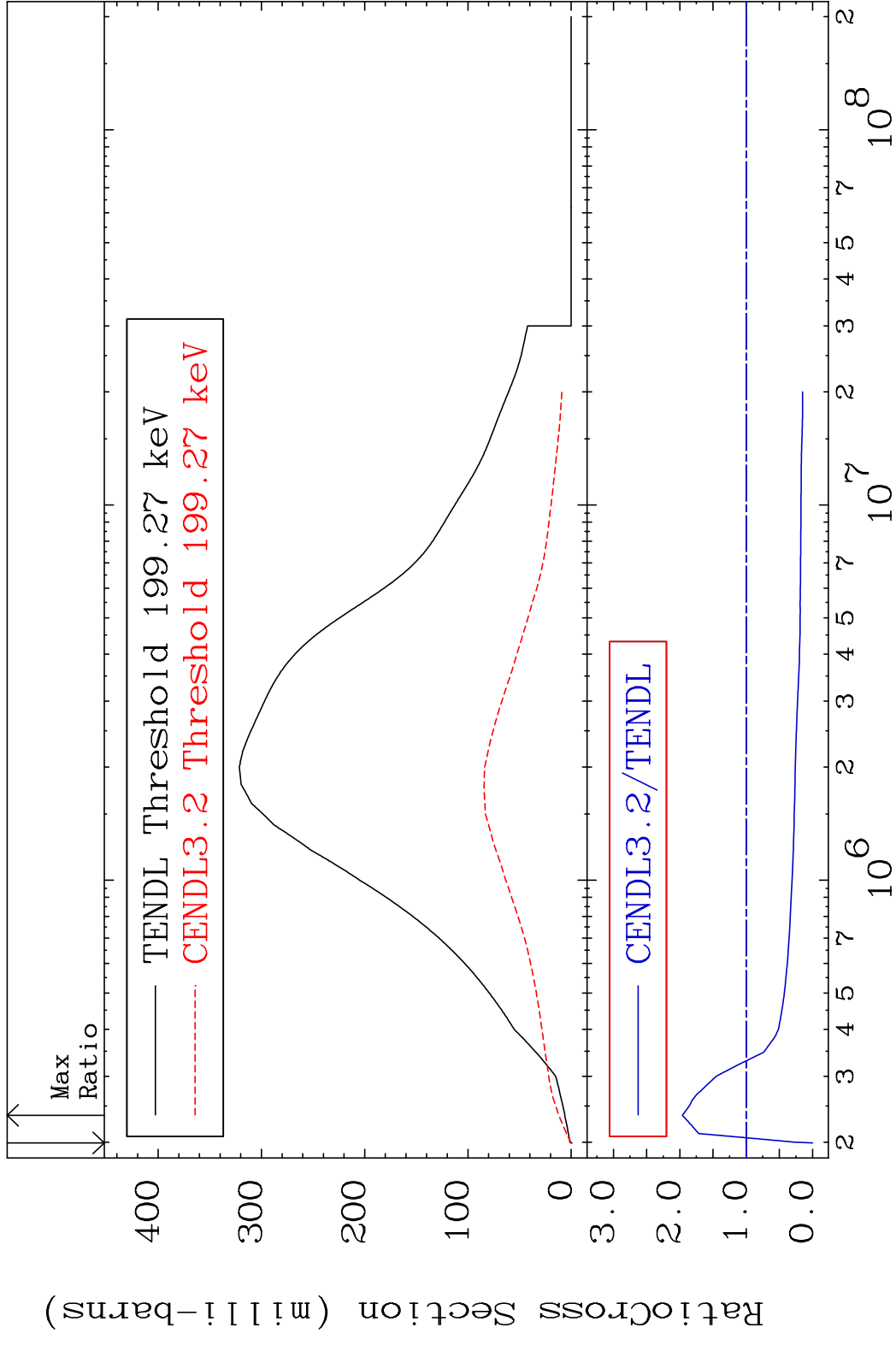
MAT 5528 MT= 57 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 9999. %



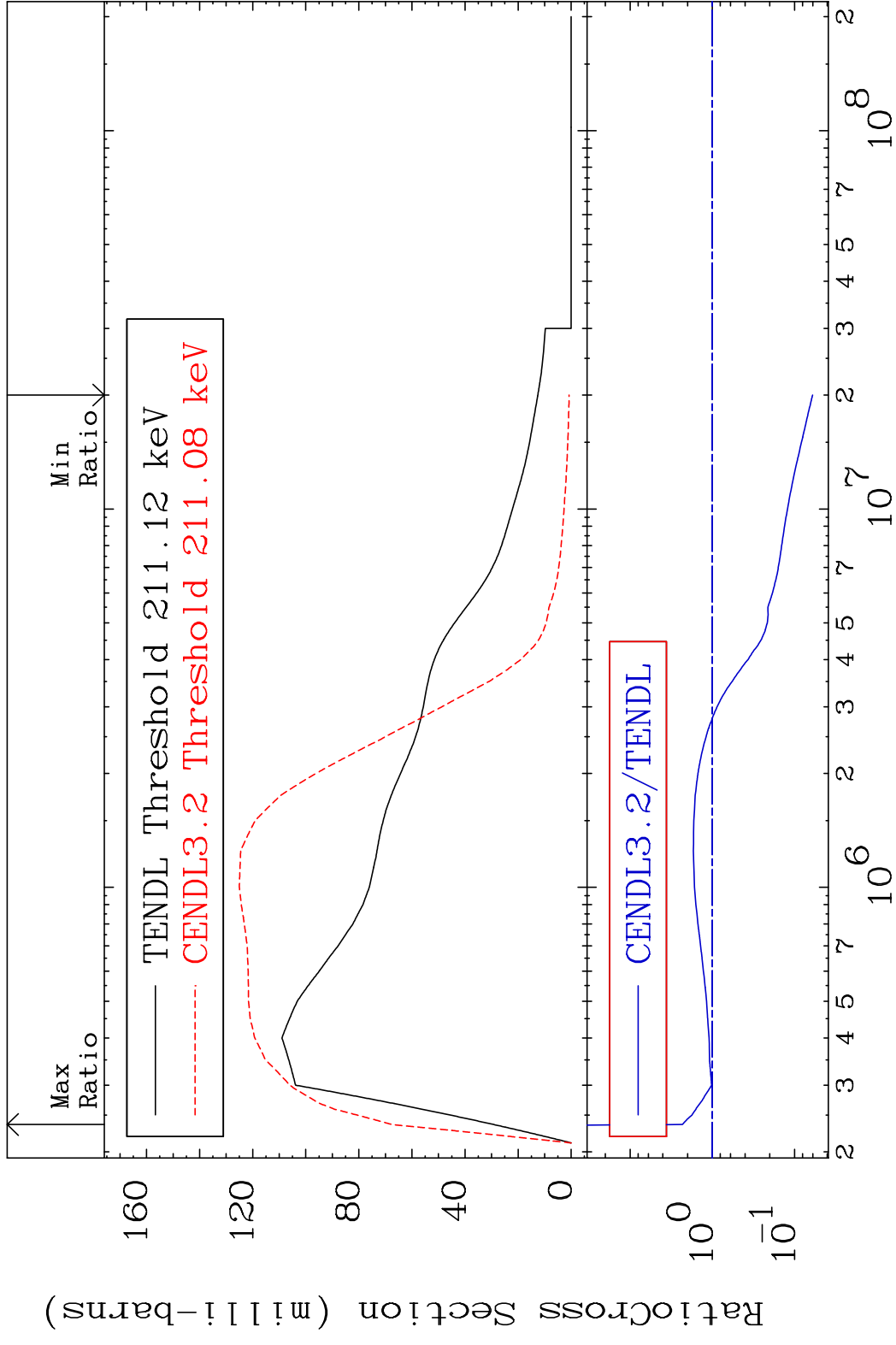
MAT 5528 MT= 58 (n,n') Level 55-Cs-134
 Cross Section -5.887 To 9999. %



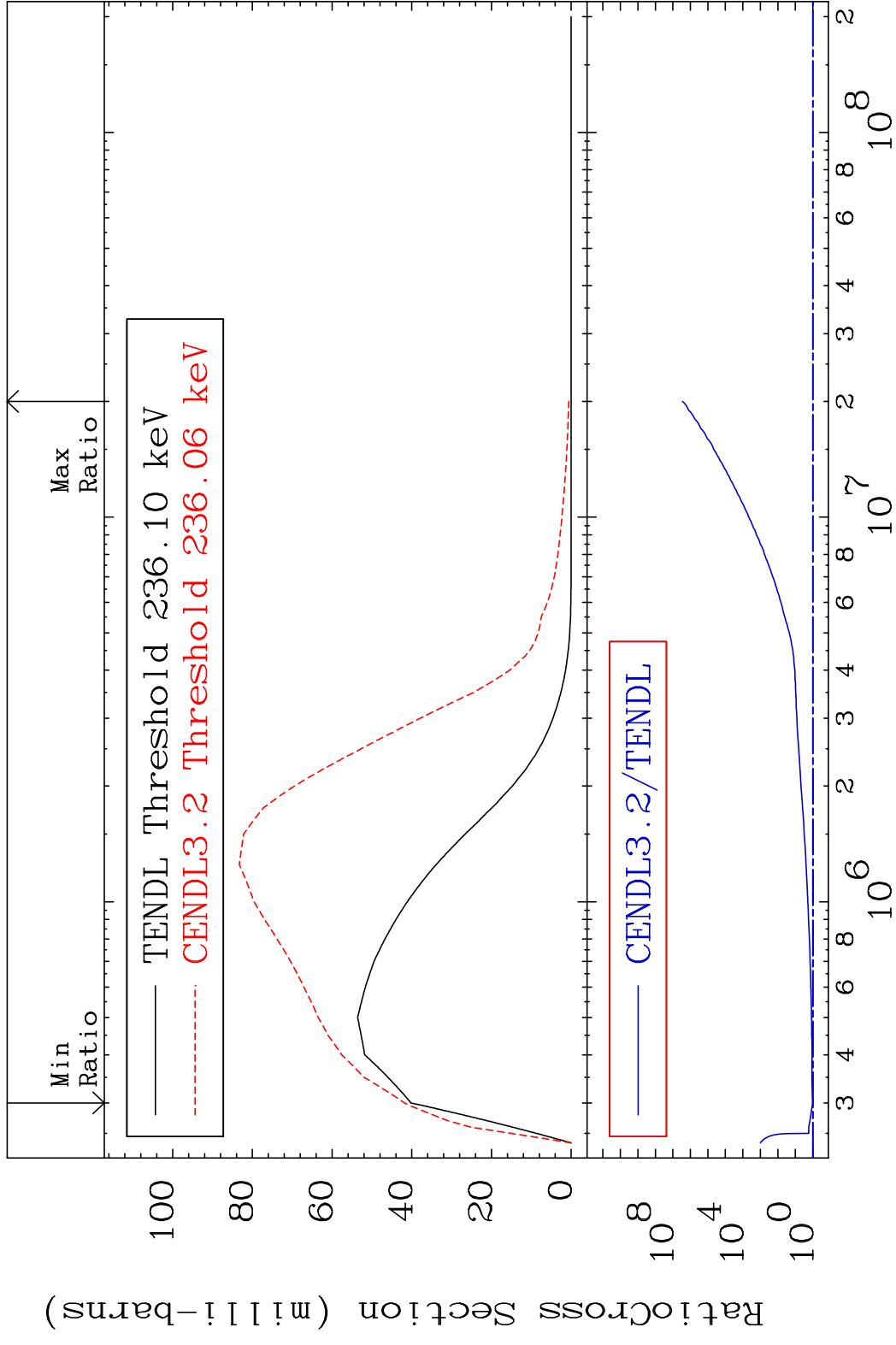
MAT 5528 MT= 59 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 96.14 %



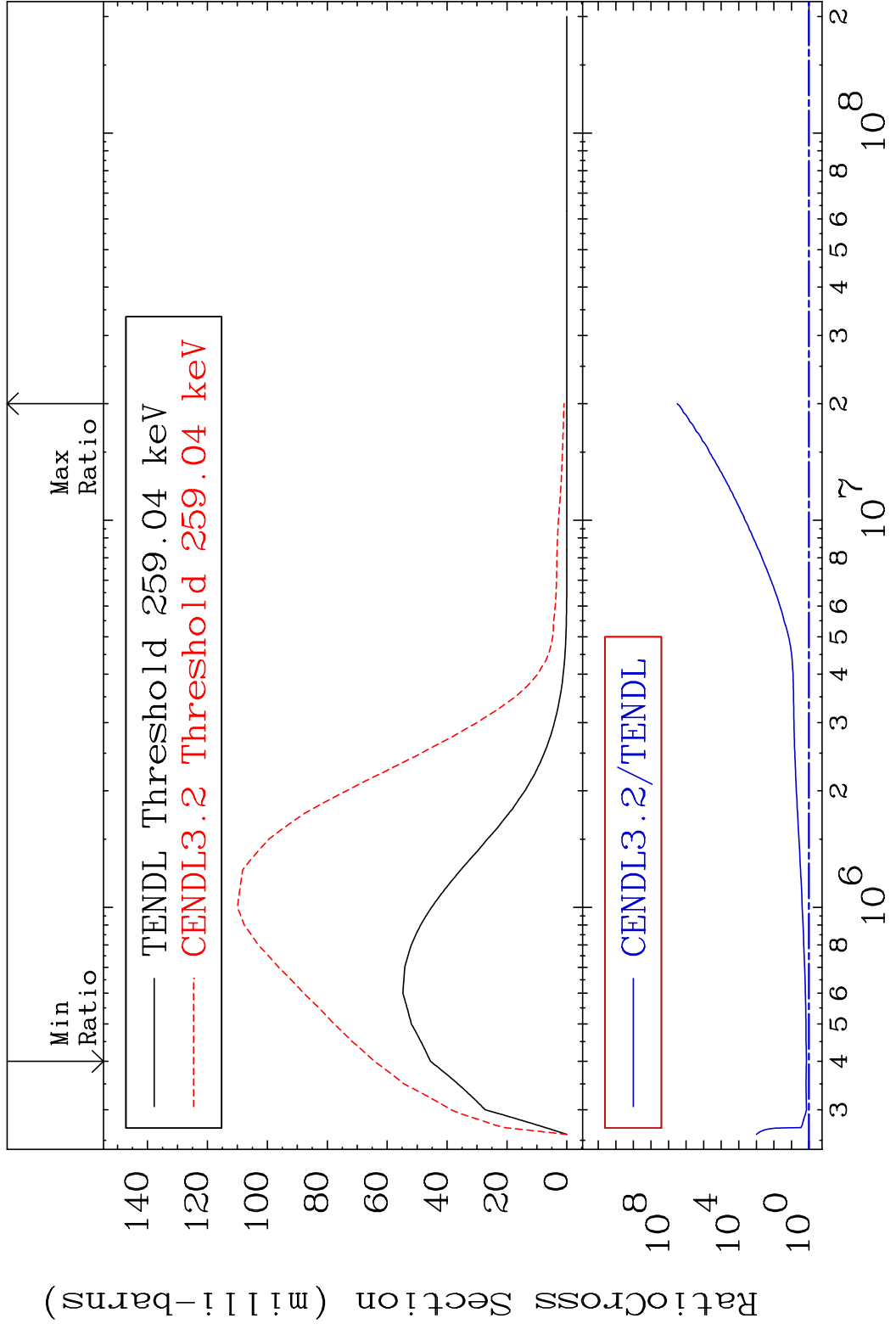
MAT 5528 MT= 60 (n,n') Level 55-Cs-134
 Cross Section -93.96 To 131.6 %



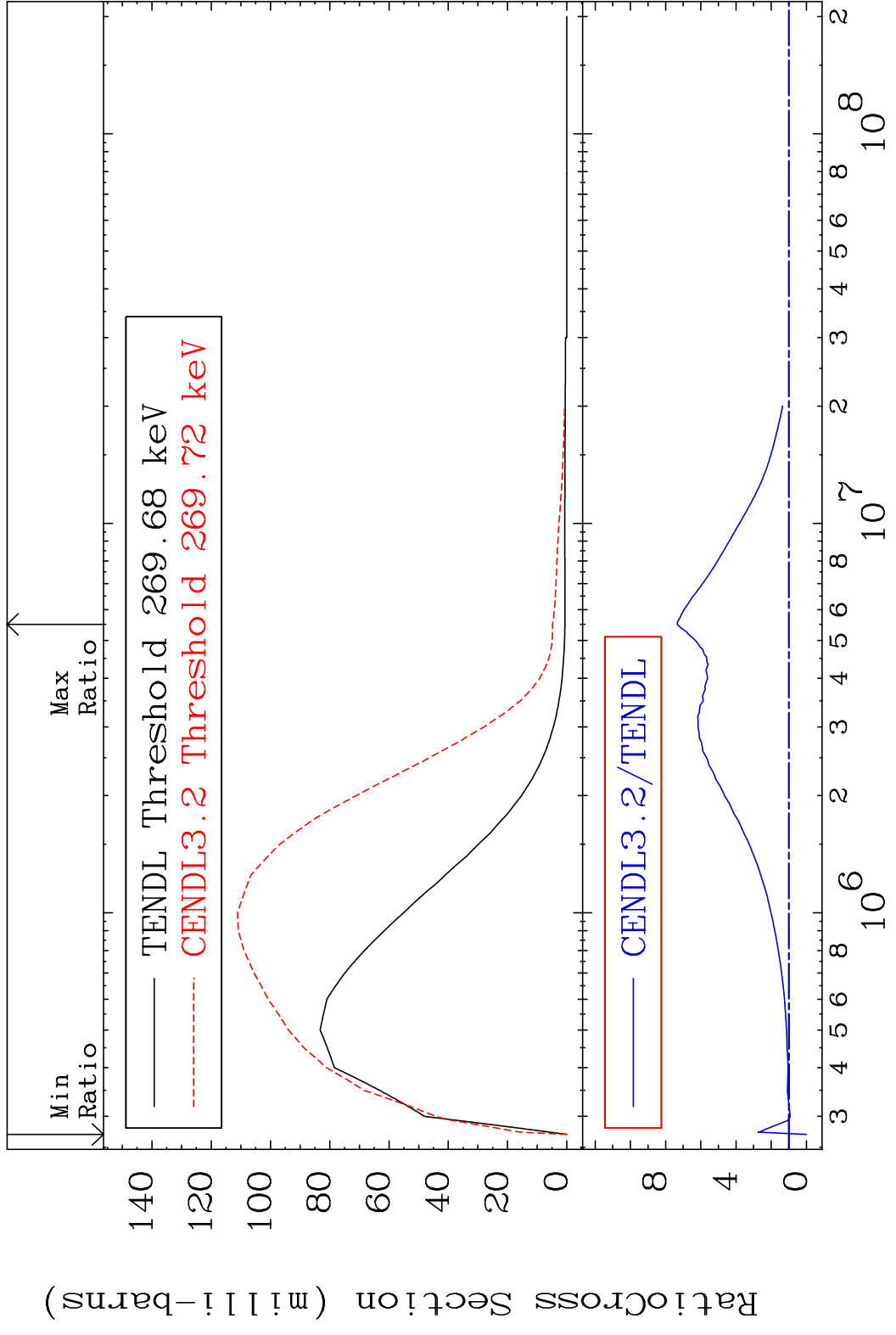
MAT 5528 MT= 61 (n, n') Level 55-Cs-134
 Cross Section 4.009 To 9999. %



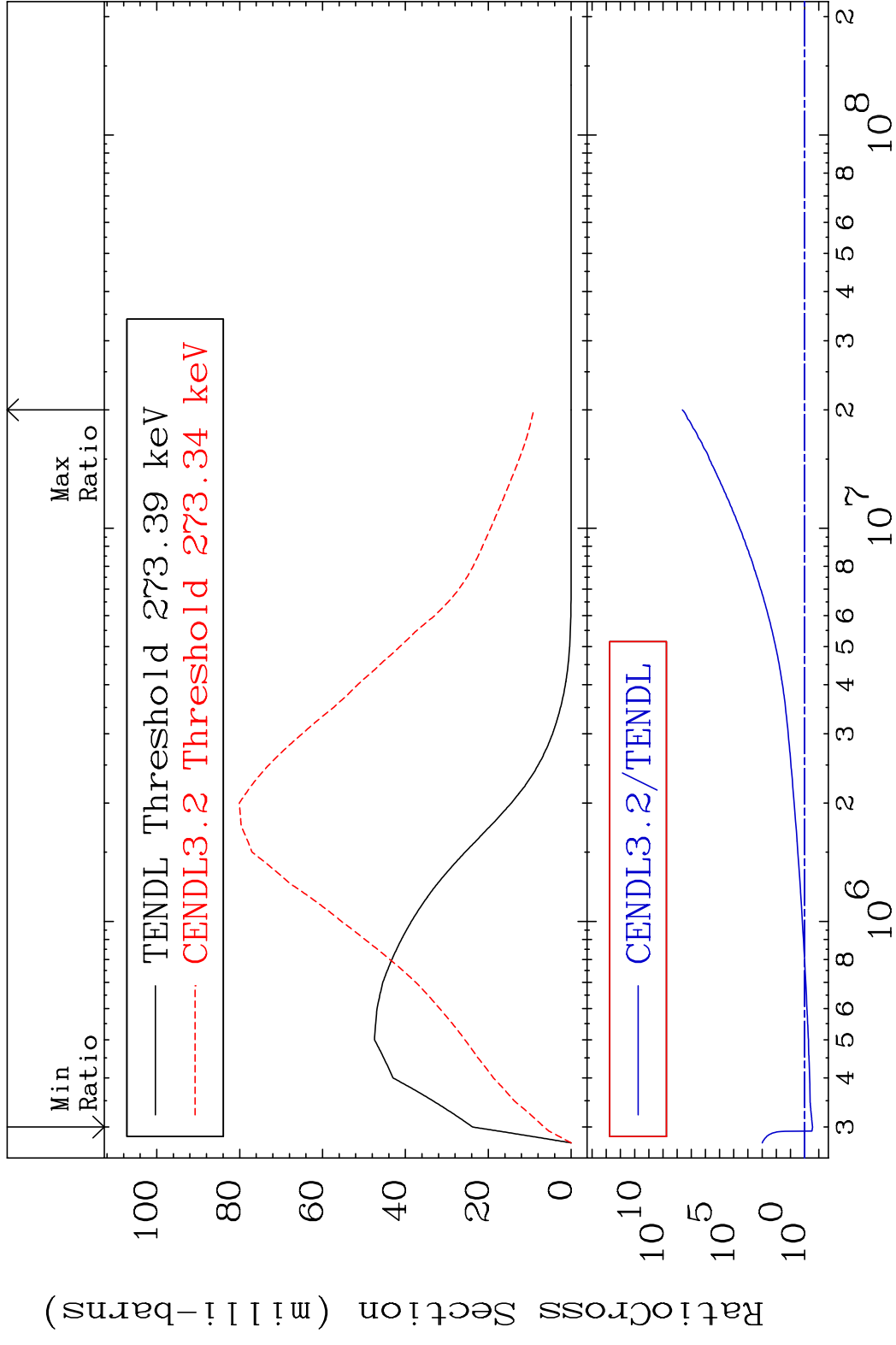
MAT 5528 MT= 62 (n,n') Level 55-Cs-134
 Cross Section 41.09 To 9999. %



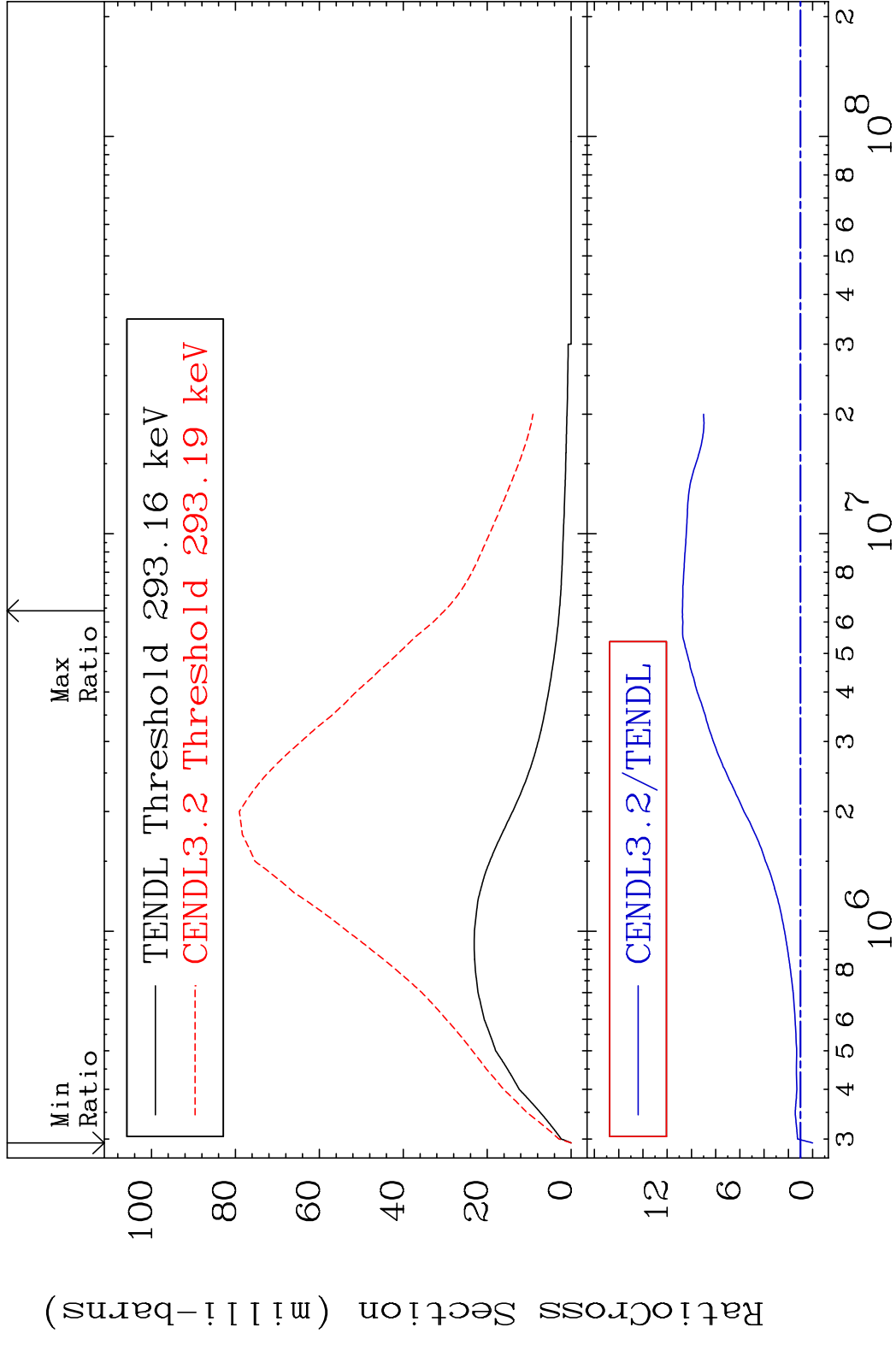
MAT 5528 MT= 63 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 634.2 %



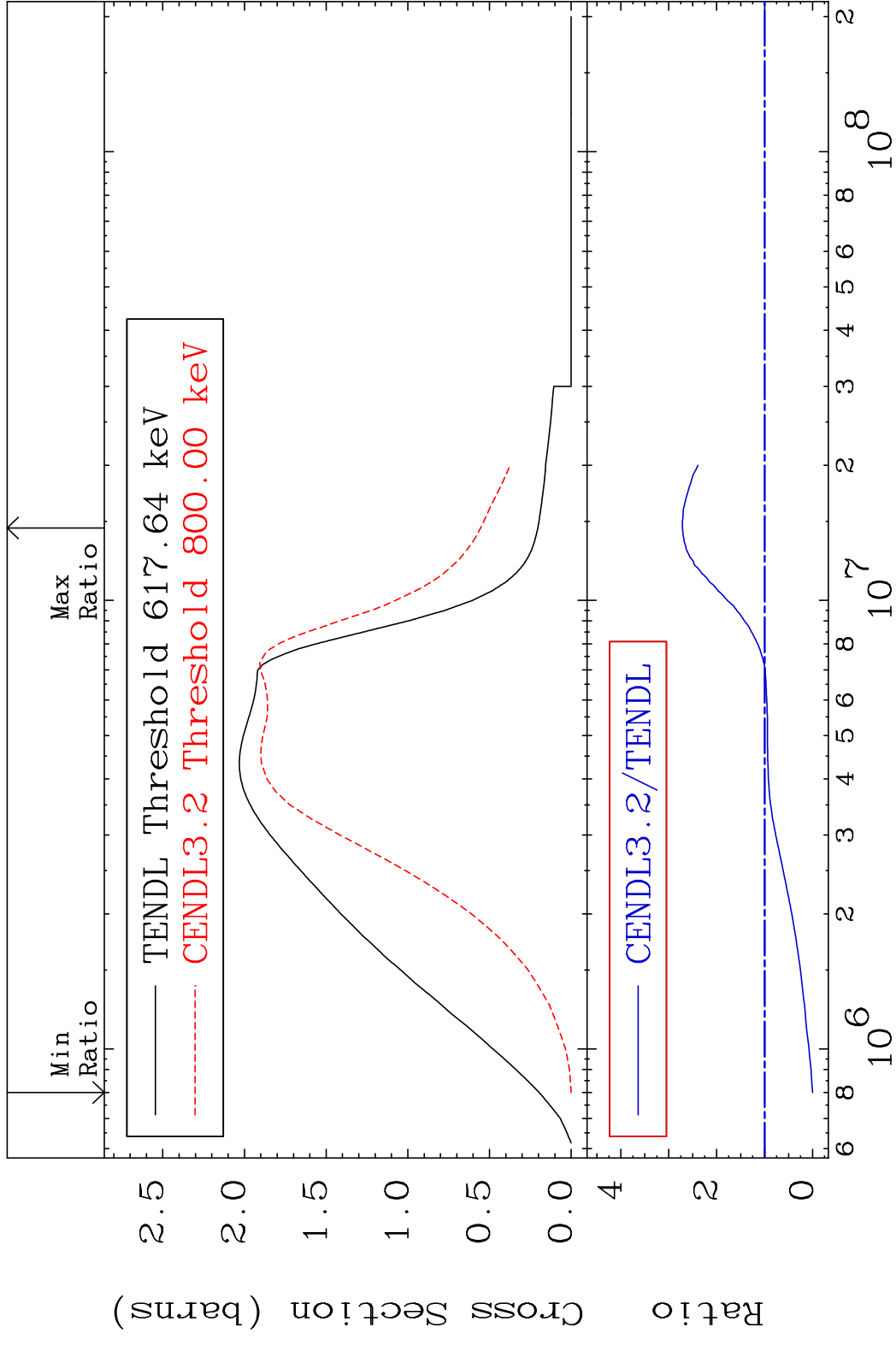
MAT 5528 MT= 64 (n,n') Level 55-Cs-134
 Cross Section -72.52 To 9999. %



MAT 5528 MT= 65 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 974.7 %



MAT 5528 (n, n') Continuum 55-Cs-134
 Cross Section -100.0 To 171.7 %

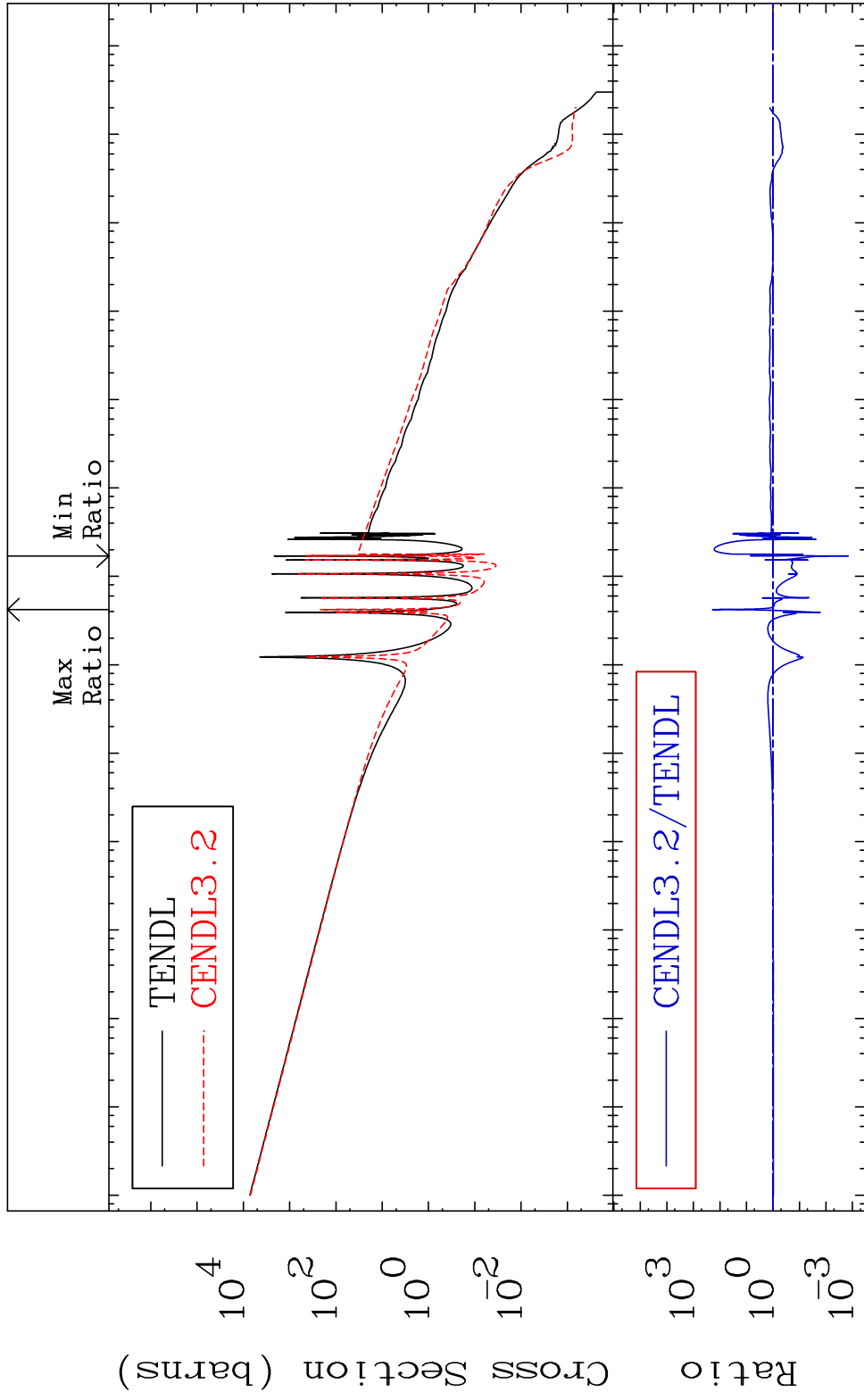


MAT 5528

(n, γ)

55-Cs-134

Cross Section -99.86 To 9999. %



24

Incident Energy (eV)

55-Cs-134

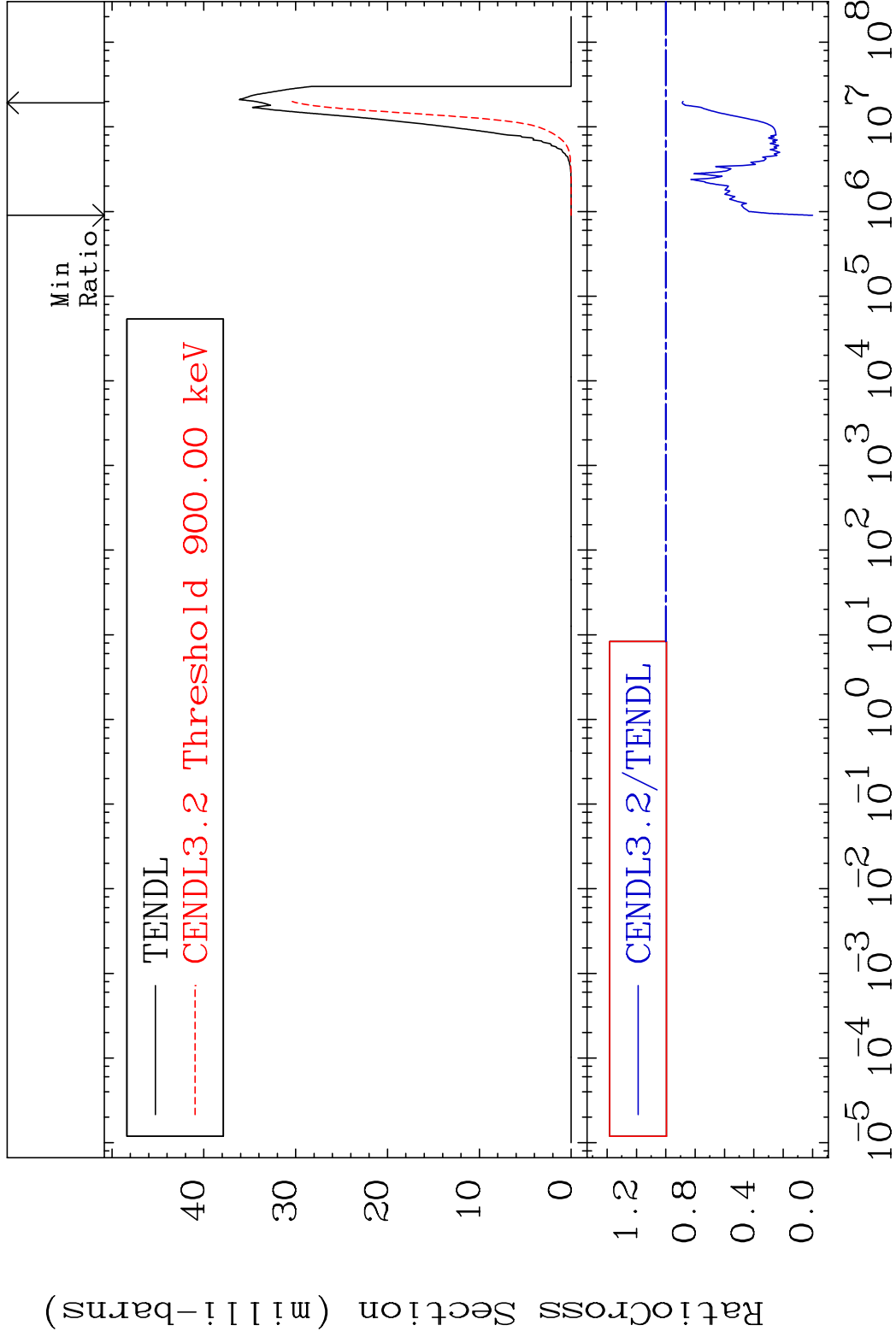
MAT 5528

(n, p)

55-Cs-134

Cross Section

-100.0 To -11.27%



25

Incident Energy (eV)

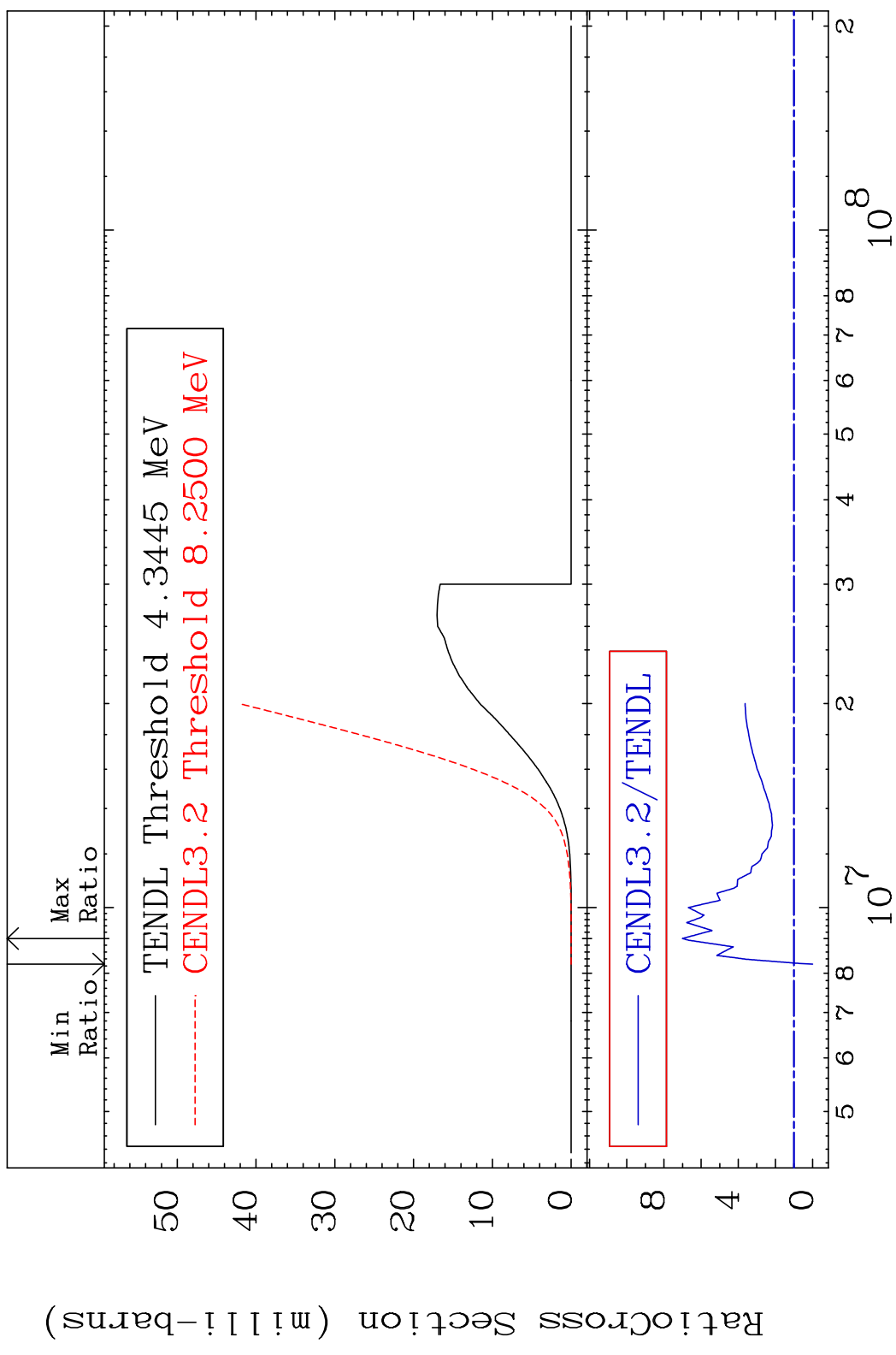
55-Cs-134

MAT 5528

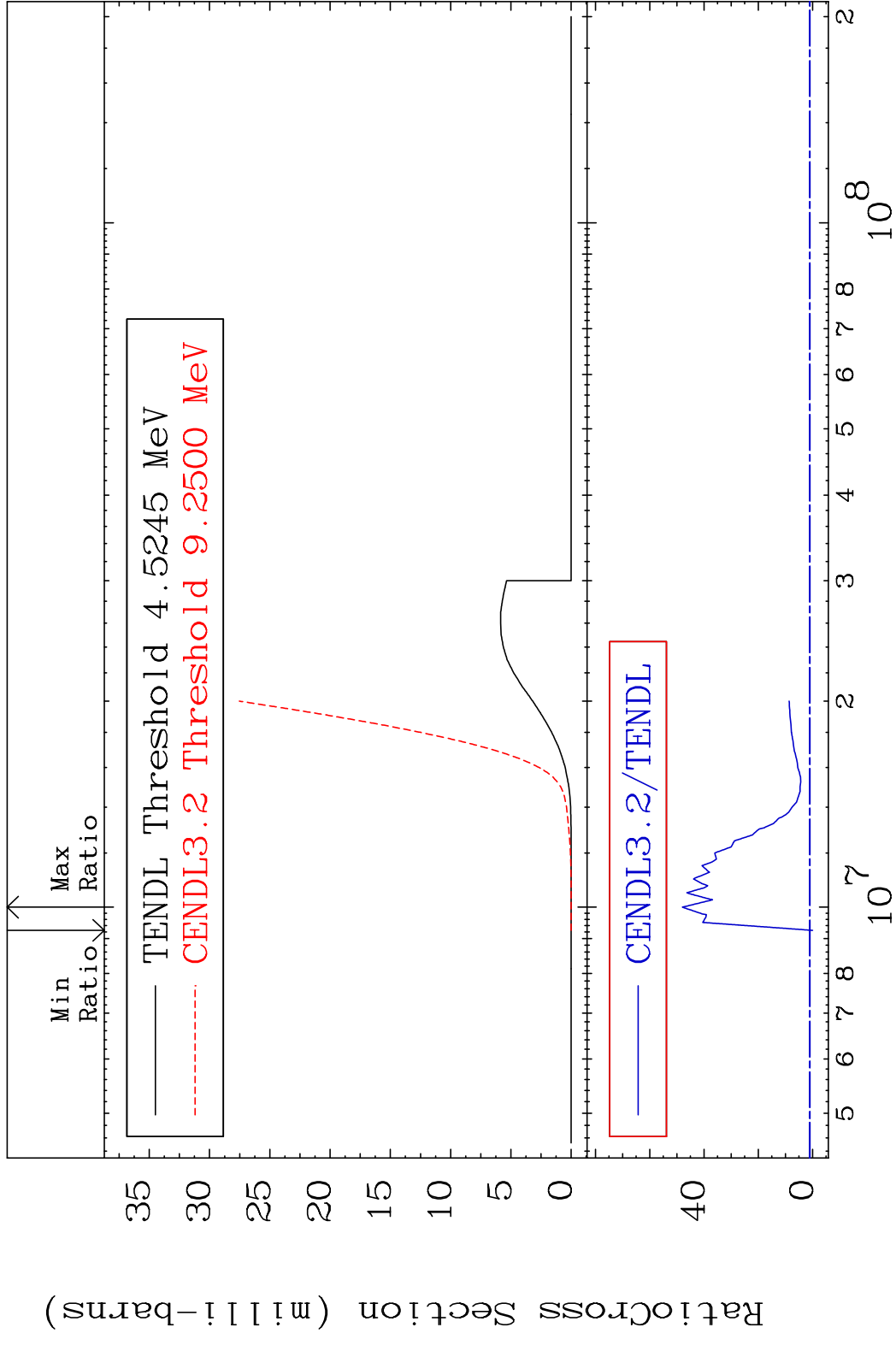
(n, d)

55-Cs-134

Cross Section -100.0 To 600.9 %



MAT 5528 (n, t) 55-Cs-134
 Cross Section -100.0 To 4698. %

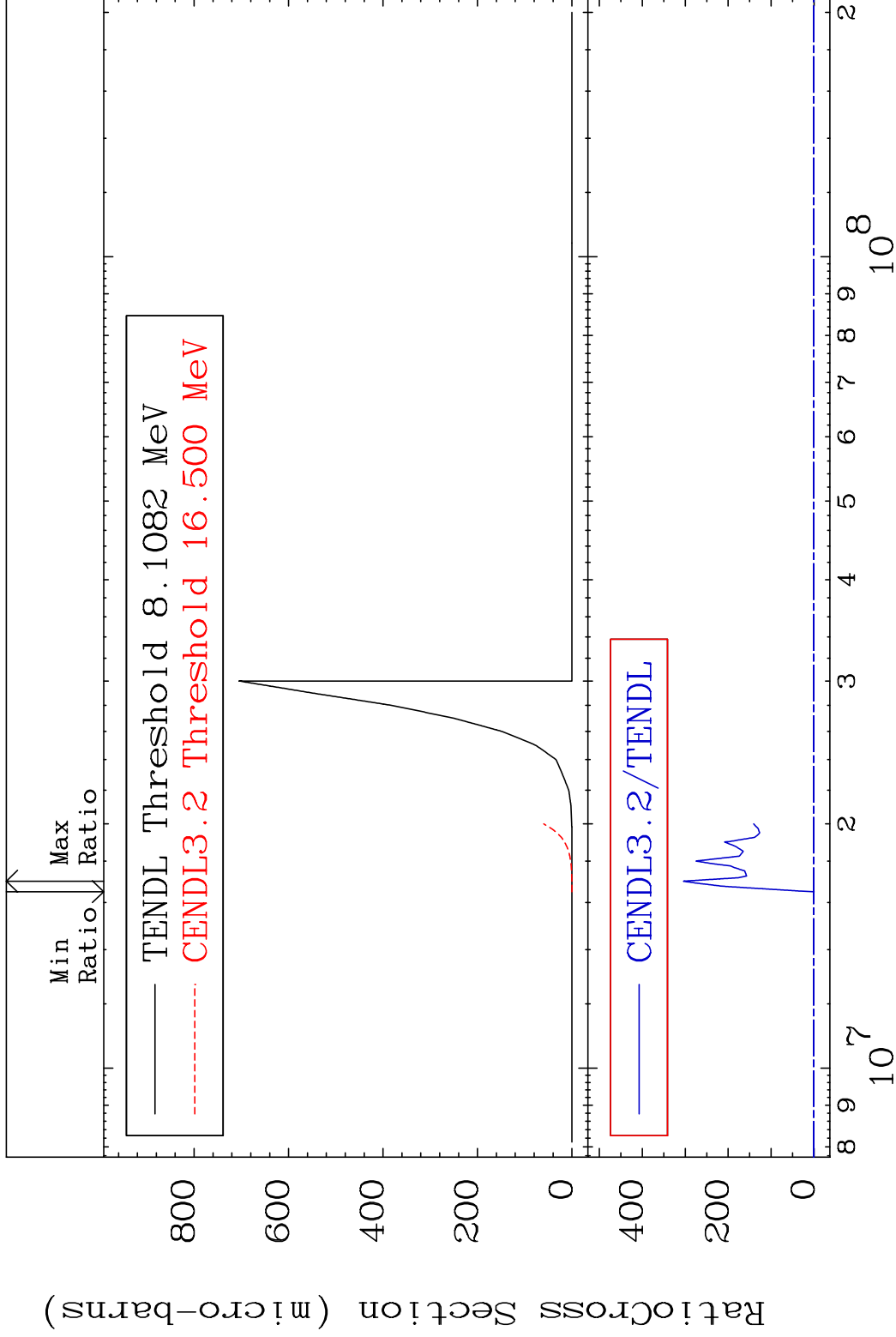


MAT 5528

(n, He-3)

55-Cs-134

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

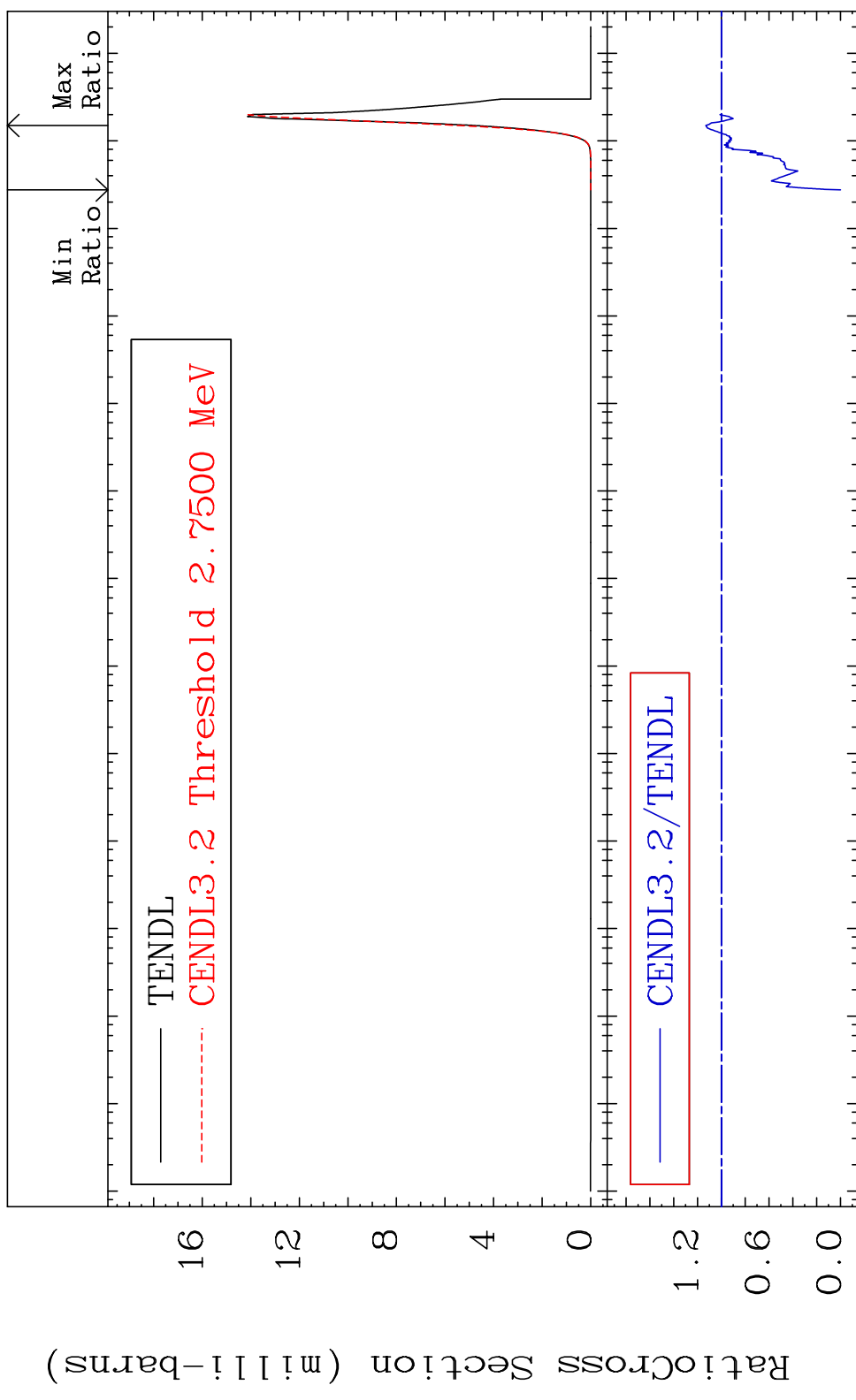
55-Cs-134

MAT 5528

(n, α)

55-Cs-134

Cross Section -100.0 To 13.09 %



29

Incident Energy (eV)

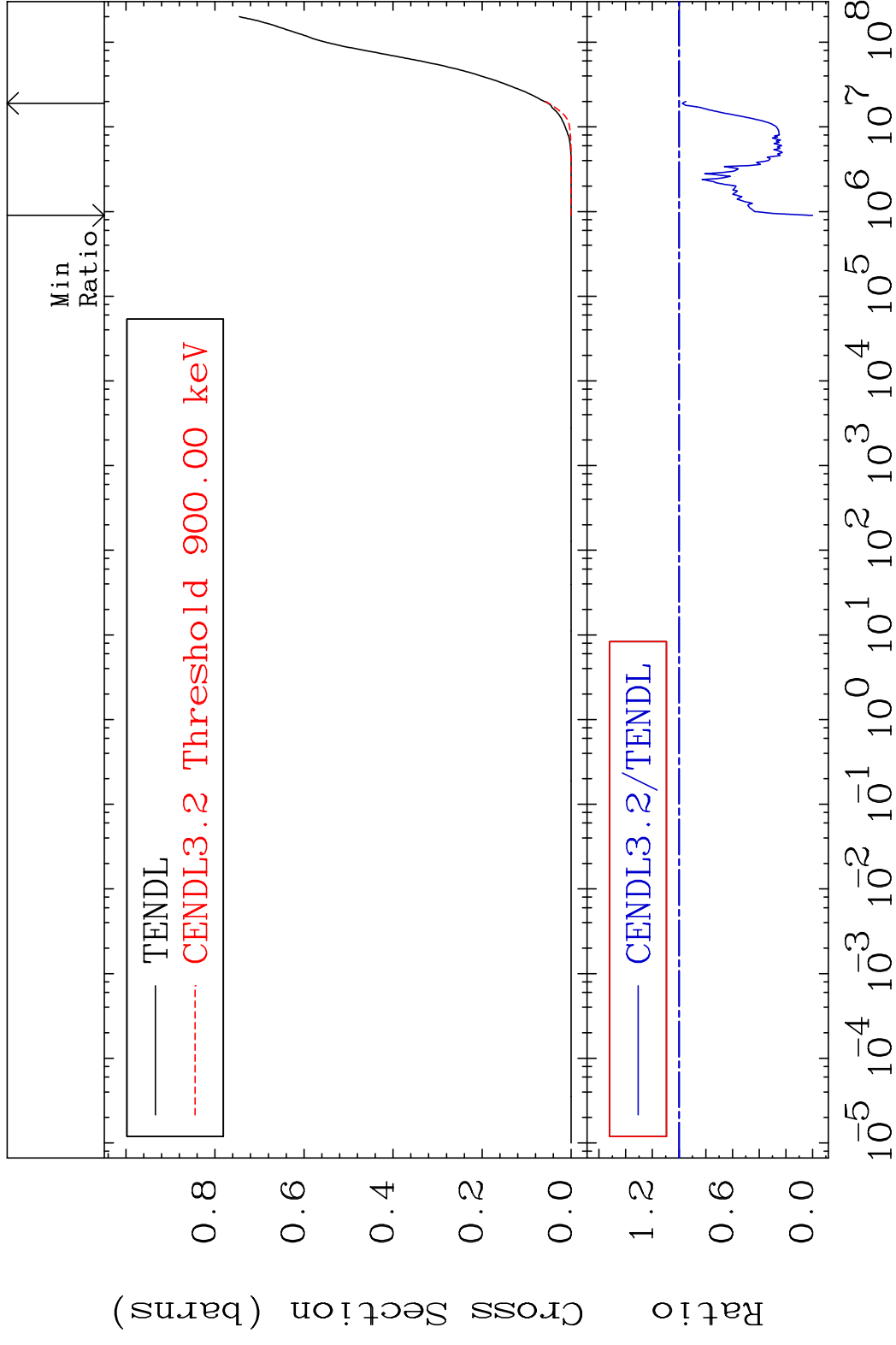
55-Cs-134

MAT 5528

Hydrogen Production

55-Cs-134

Cross Section -100.0 To -2.445%



30

Incident Energy (eV)

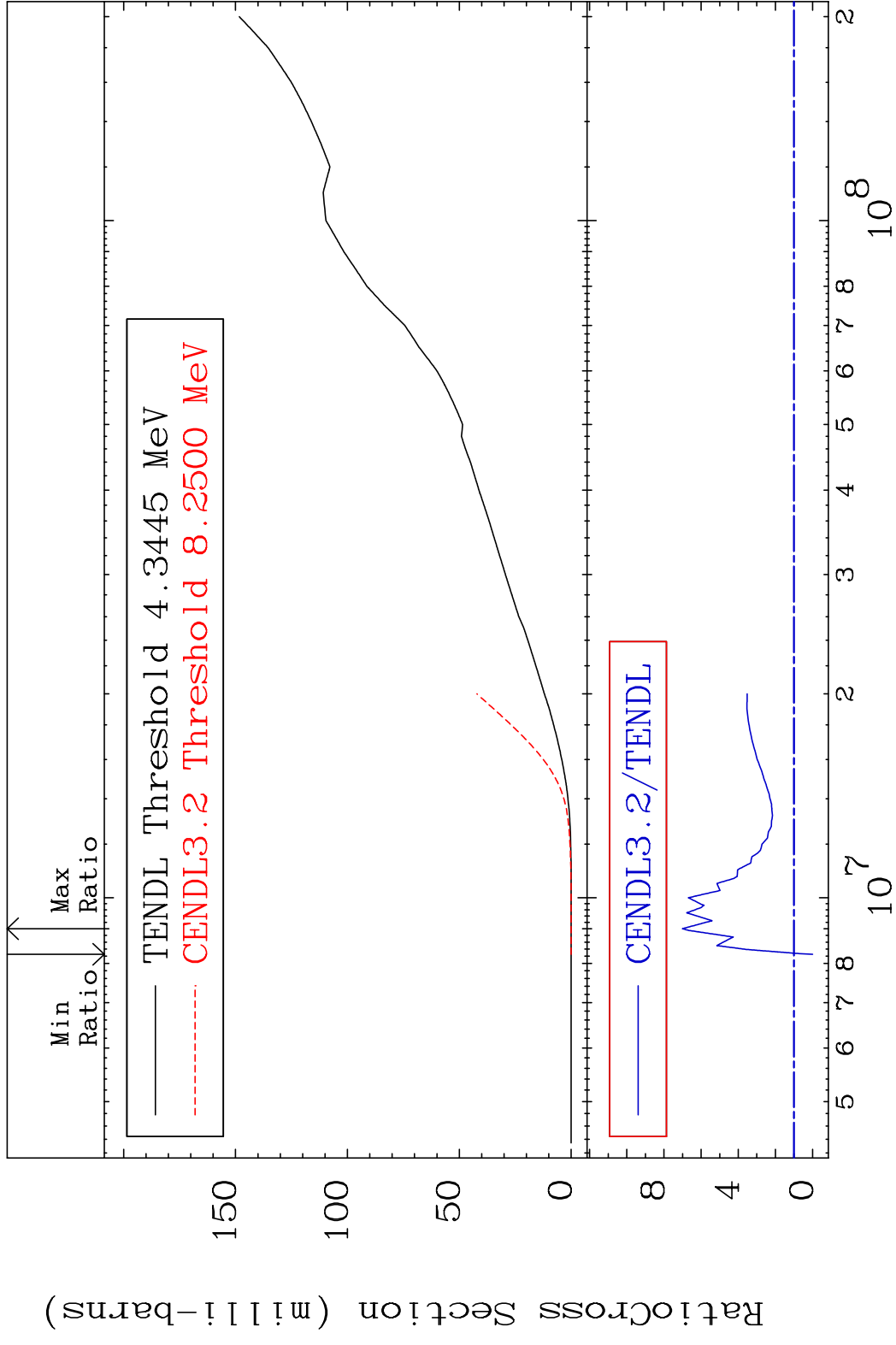
55-Cs-134

MAT 5528

Deuterium Production

55-Cs-134

Cross Section -100.0 To 600.9 %



31

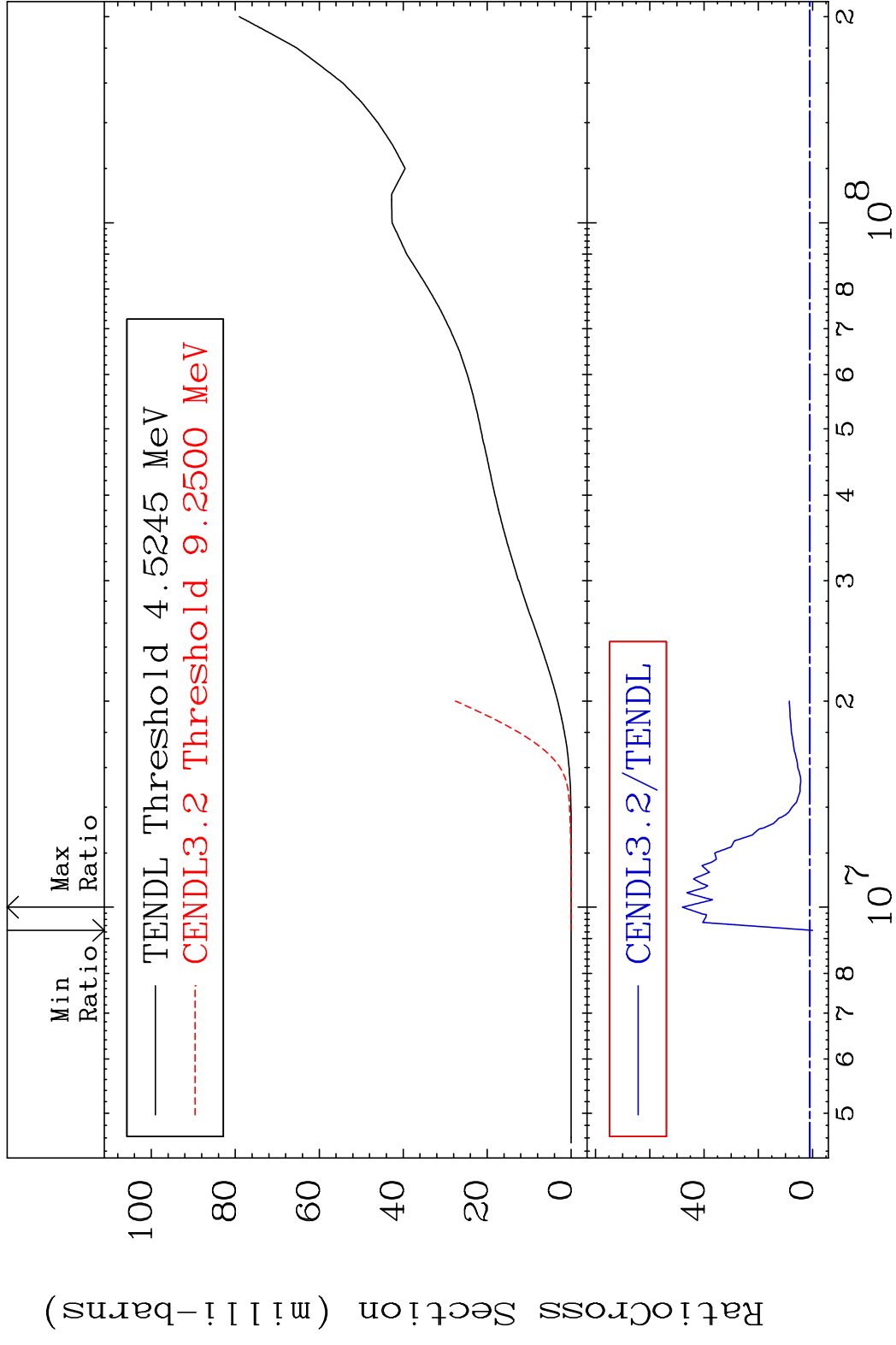
Incident Energy (eV)

55-Cs-134

MAT 5528

Tritium Production 55-Cs-134

Cross Section -100.0 To 4698. %

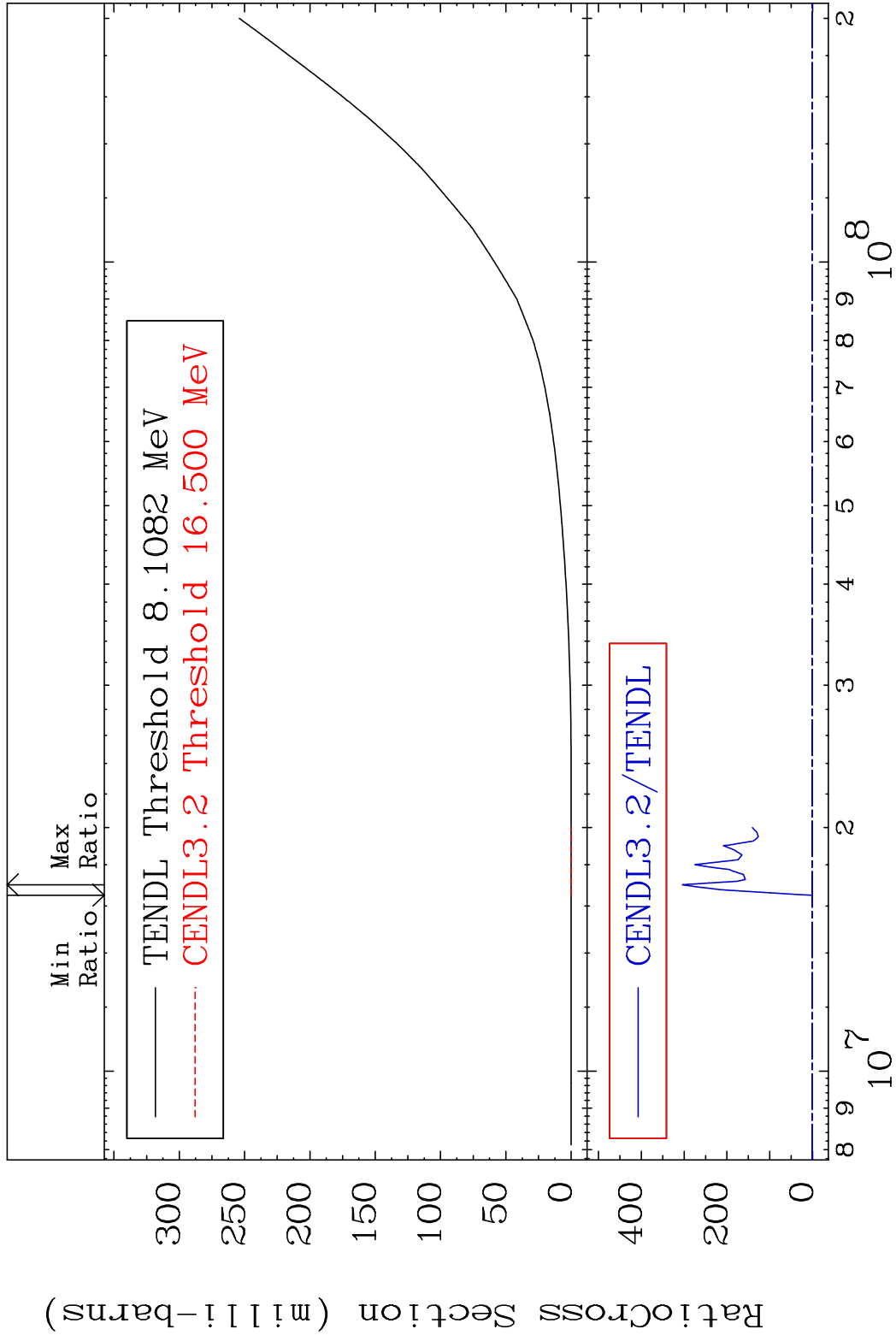


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

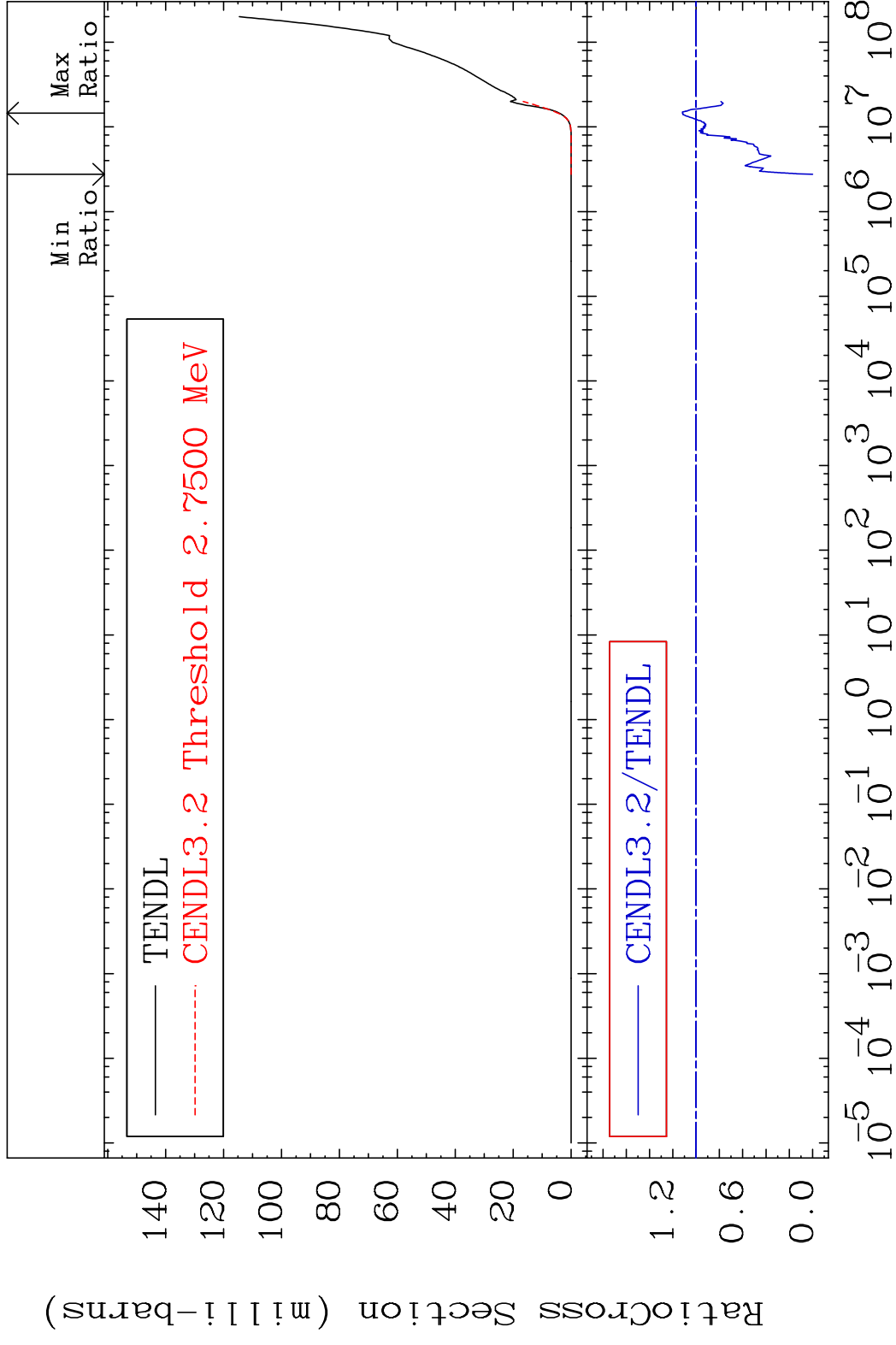
55-Cs-134

MAT 5528

He-4 Production

55-Cs-134

Cross Section -100.0 To 11.81 %

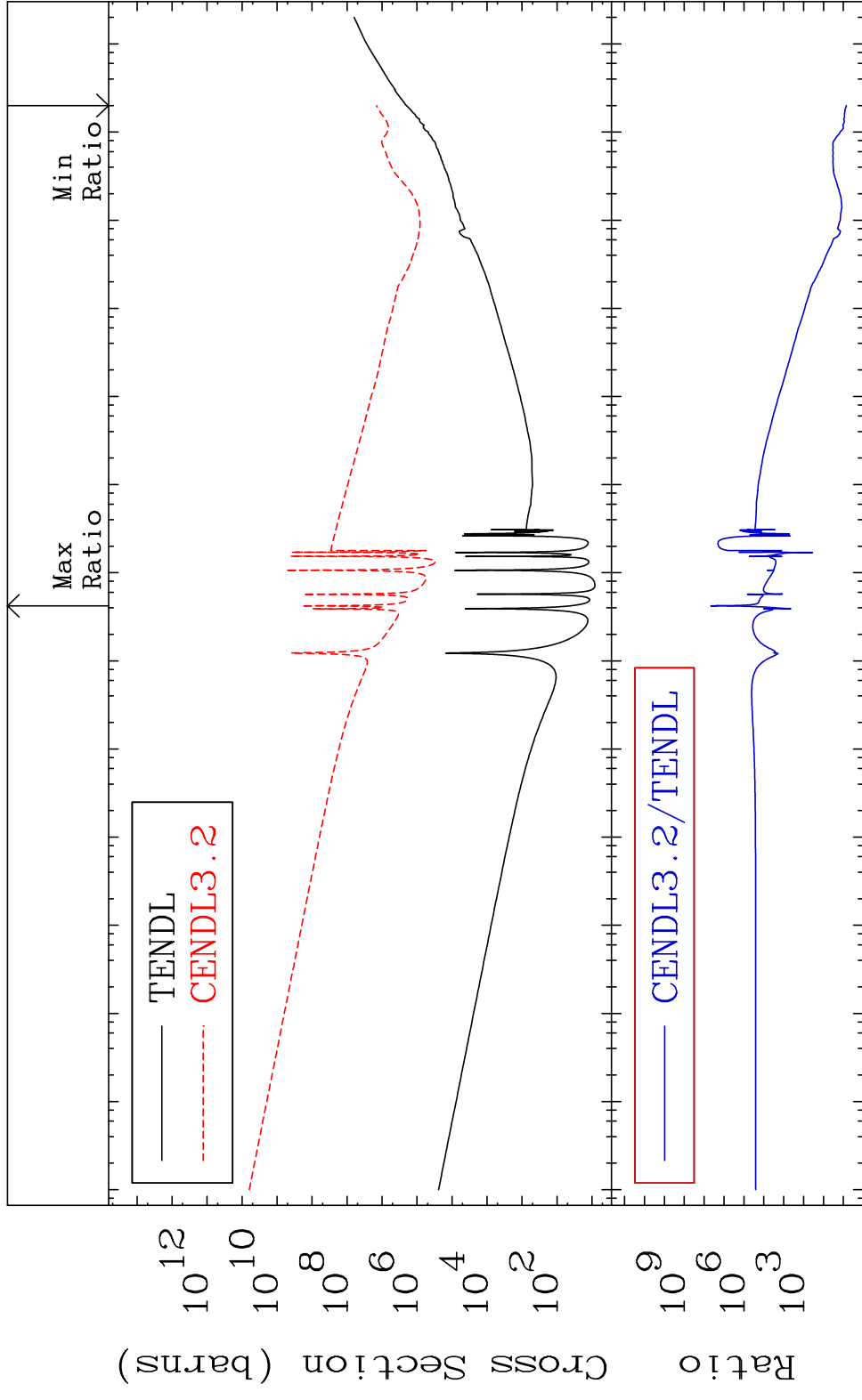


34

Incident Energy (eV)

55-Cs-134

MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section 608.4 To 9999. %



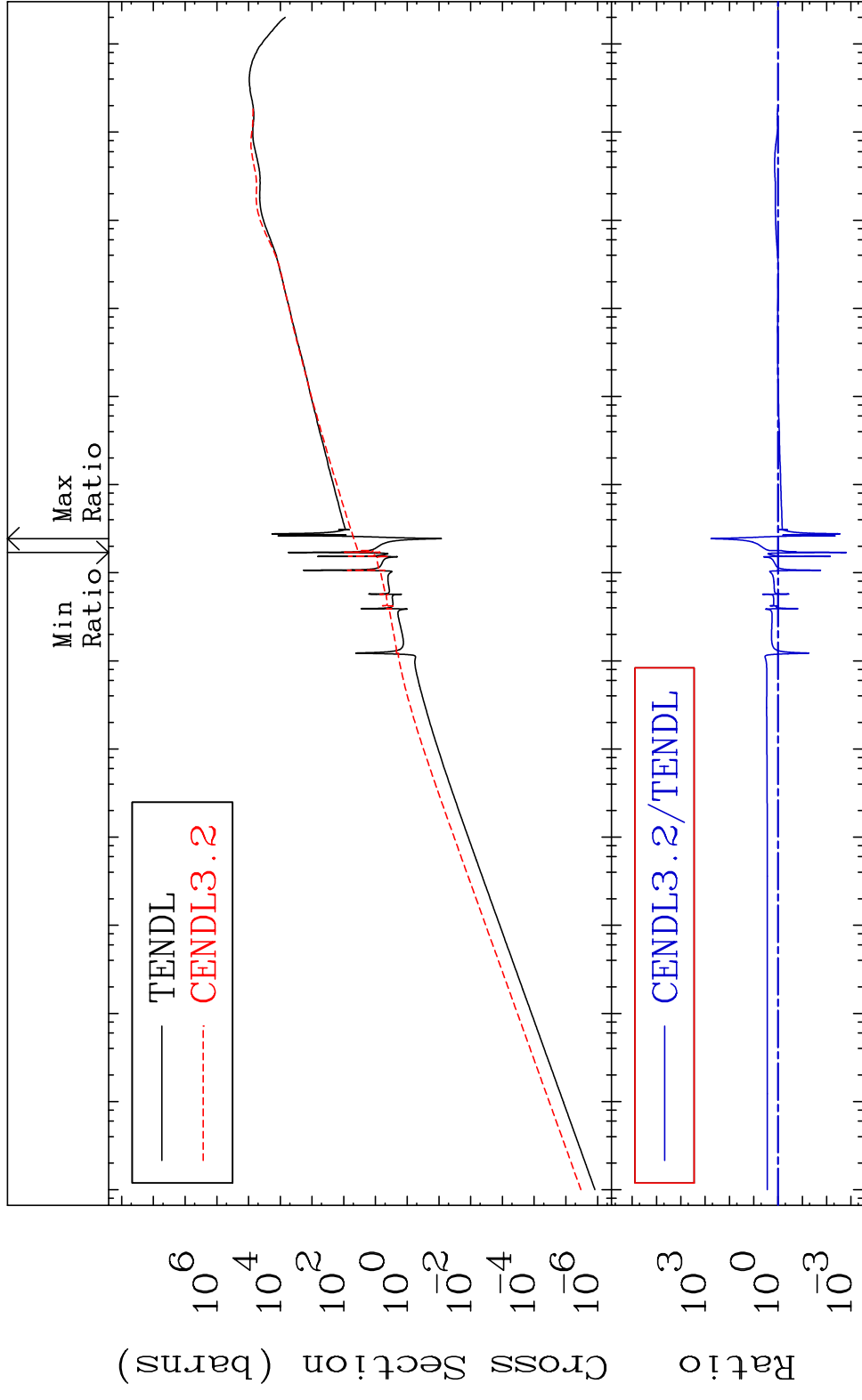
Ratio
 10^9
 10^6
 10^3

Incident Energy (eV) 55-Cs-134

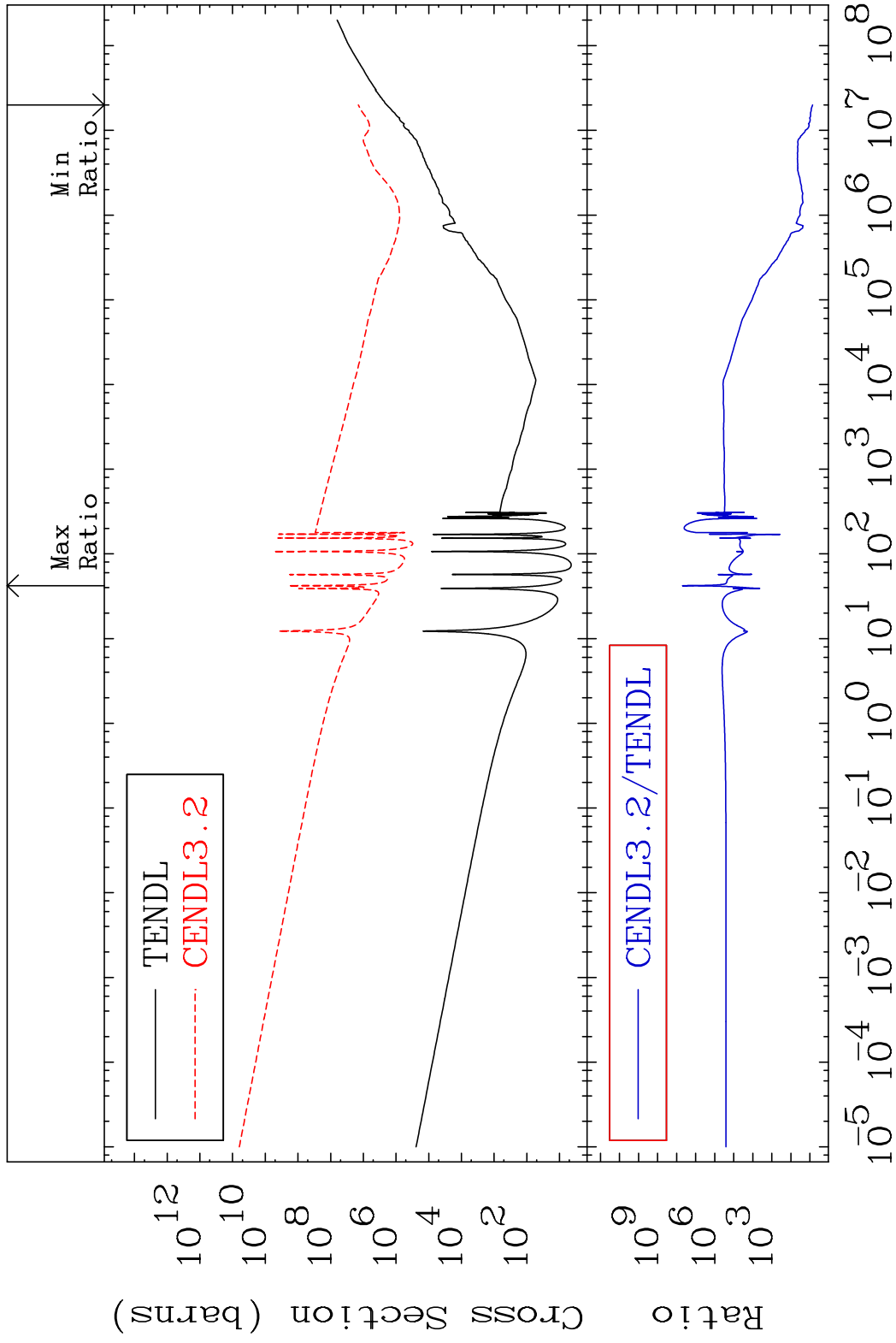
MAT 5528

Kerma elastic
Cross Section -99.84 To 9999. %

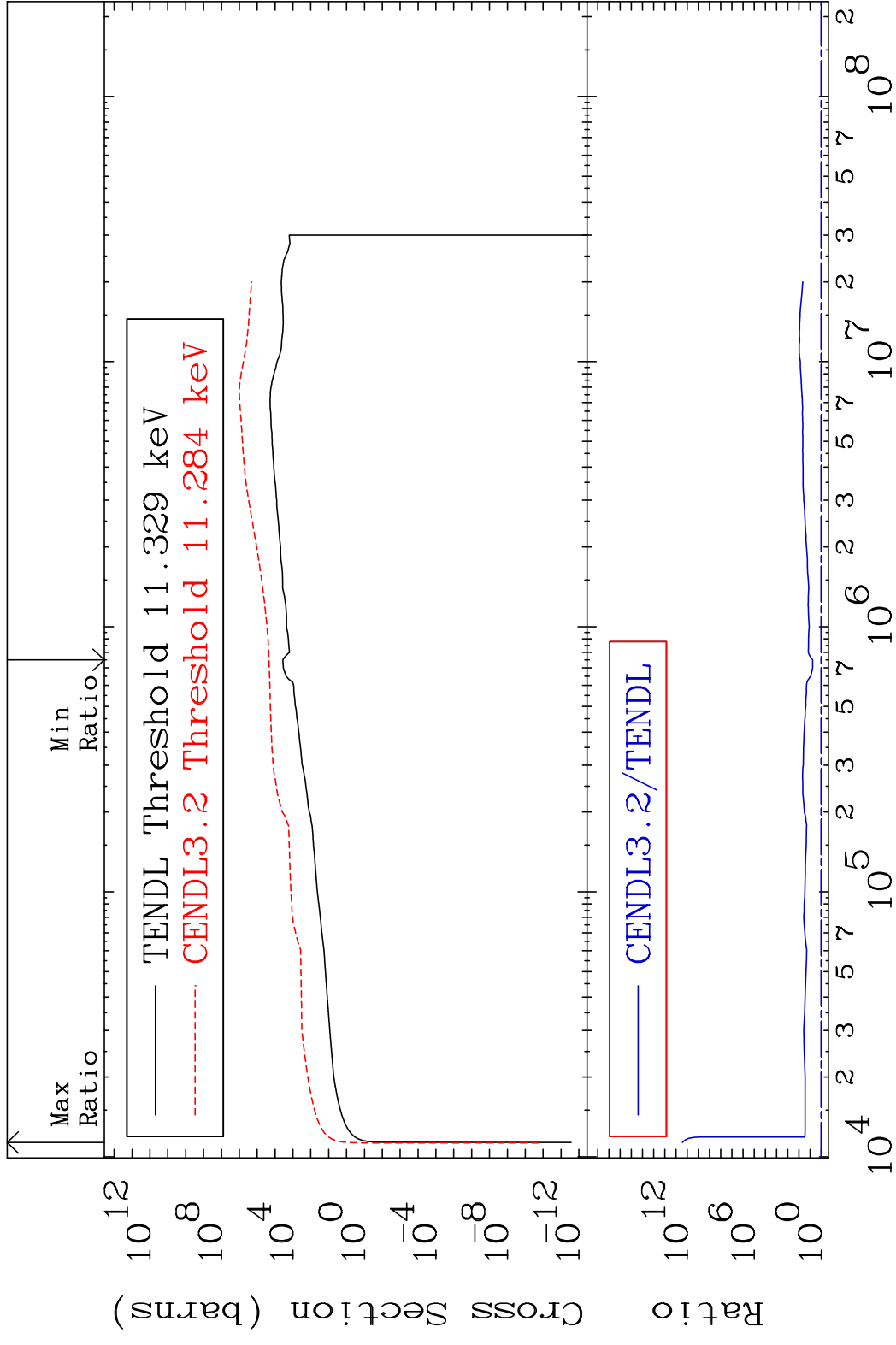
55-Cs-134



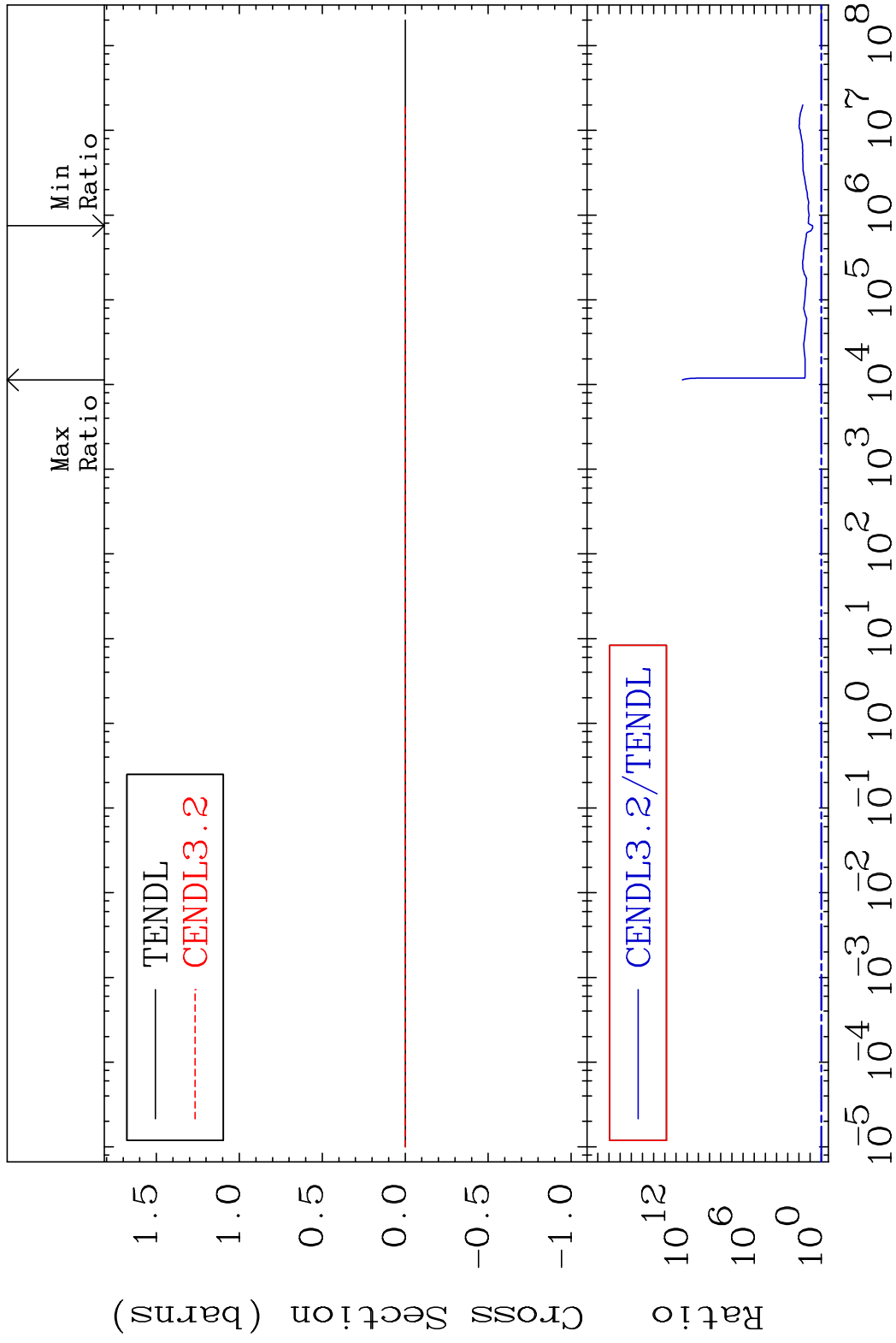
MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section 631.2 To 9999. %



MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section 505.6 To 9999. %

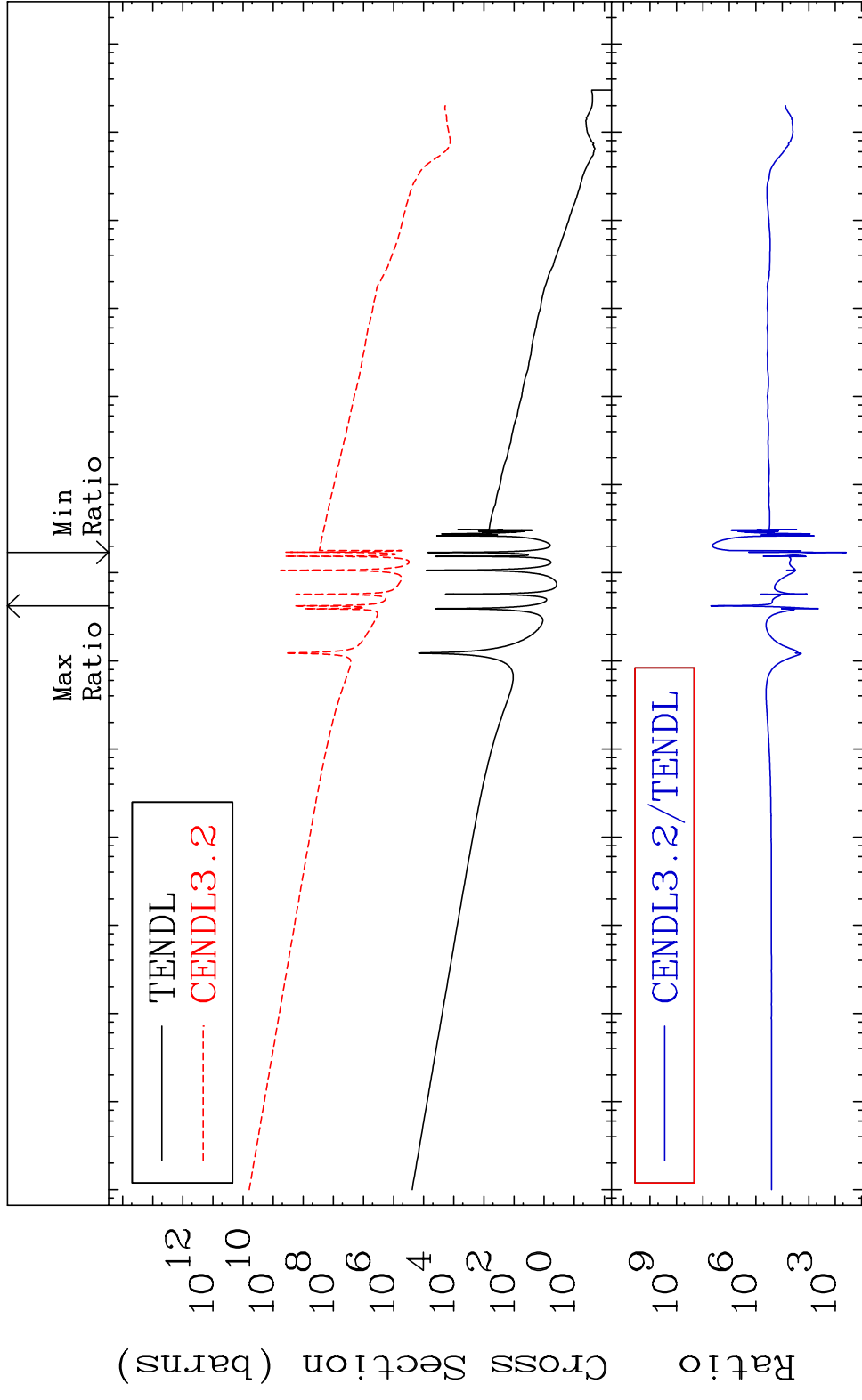


MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section 505.6 To 9999. %



MAT 5528

Kerma capture (mt102) 55-Cs-134
Cross Section 9999. To 9999. %

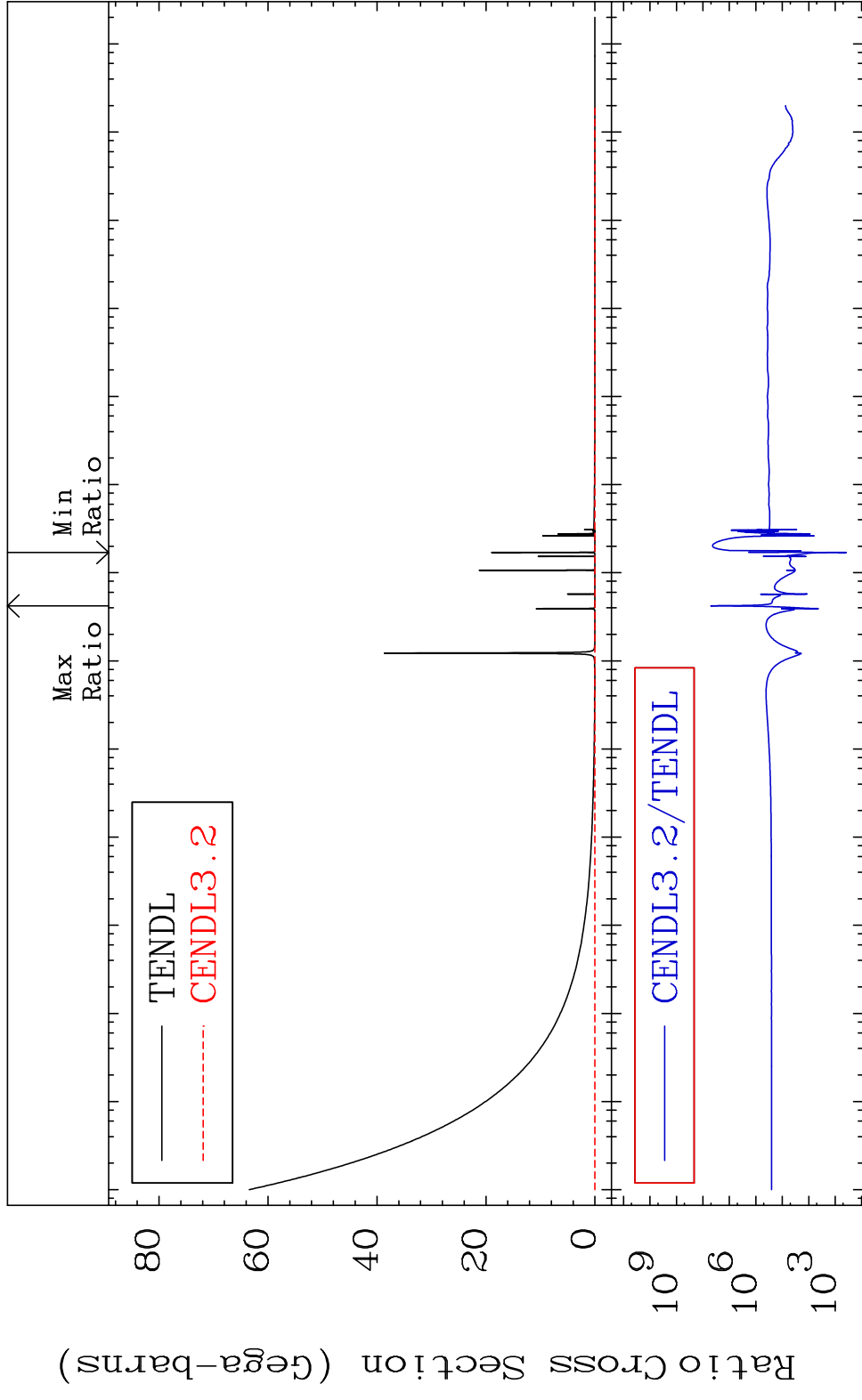


40

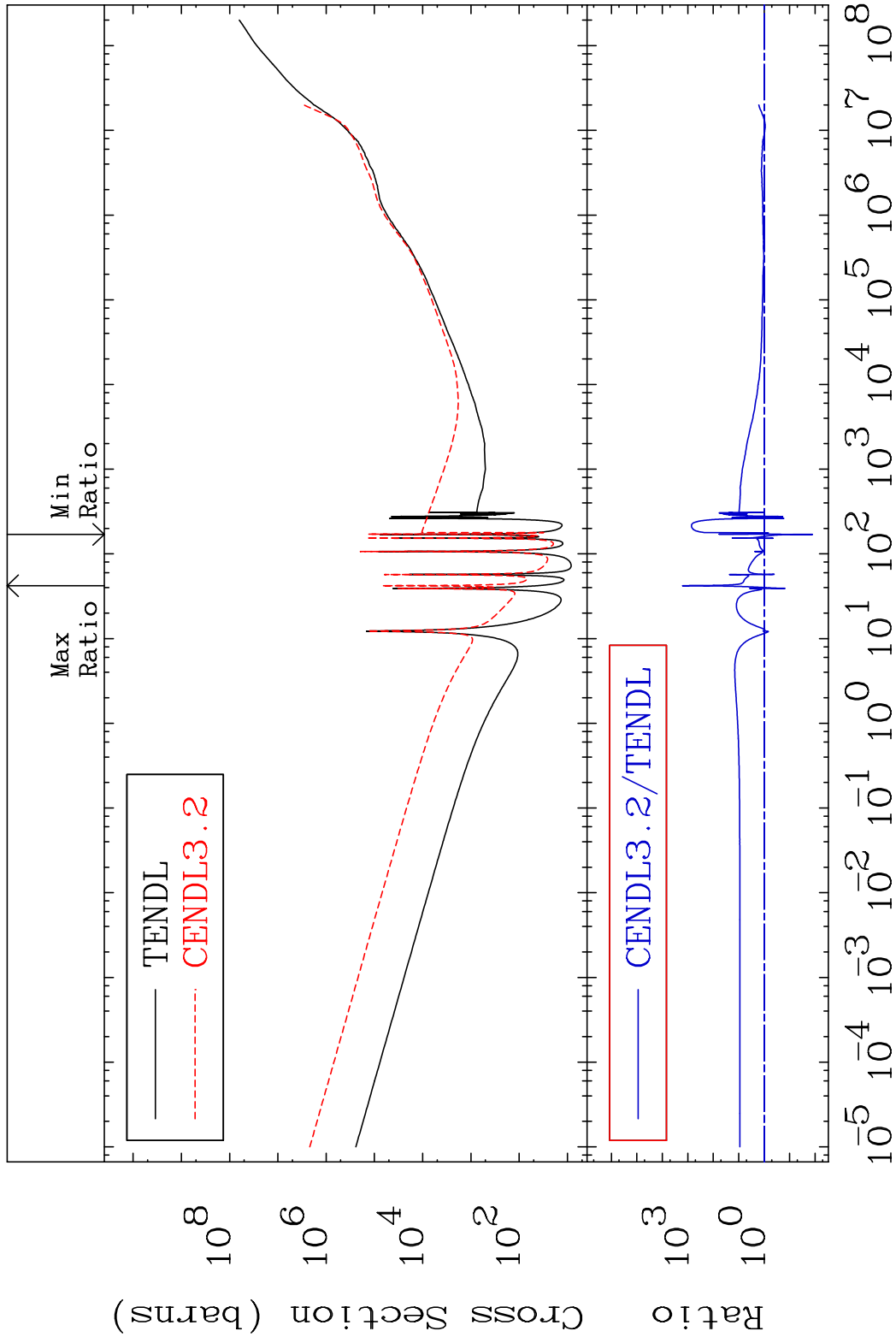
Incident Energy (eV)

55-Cs-134

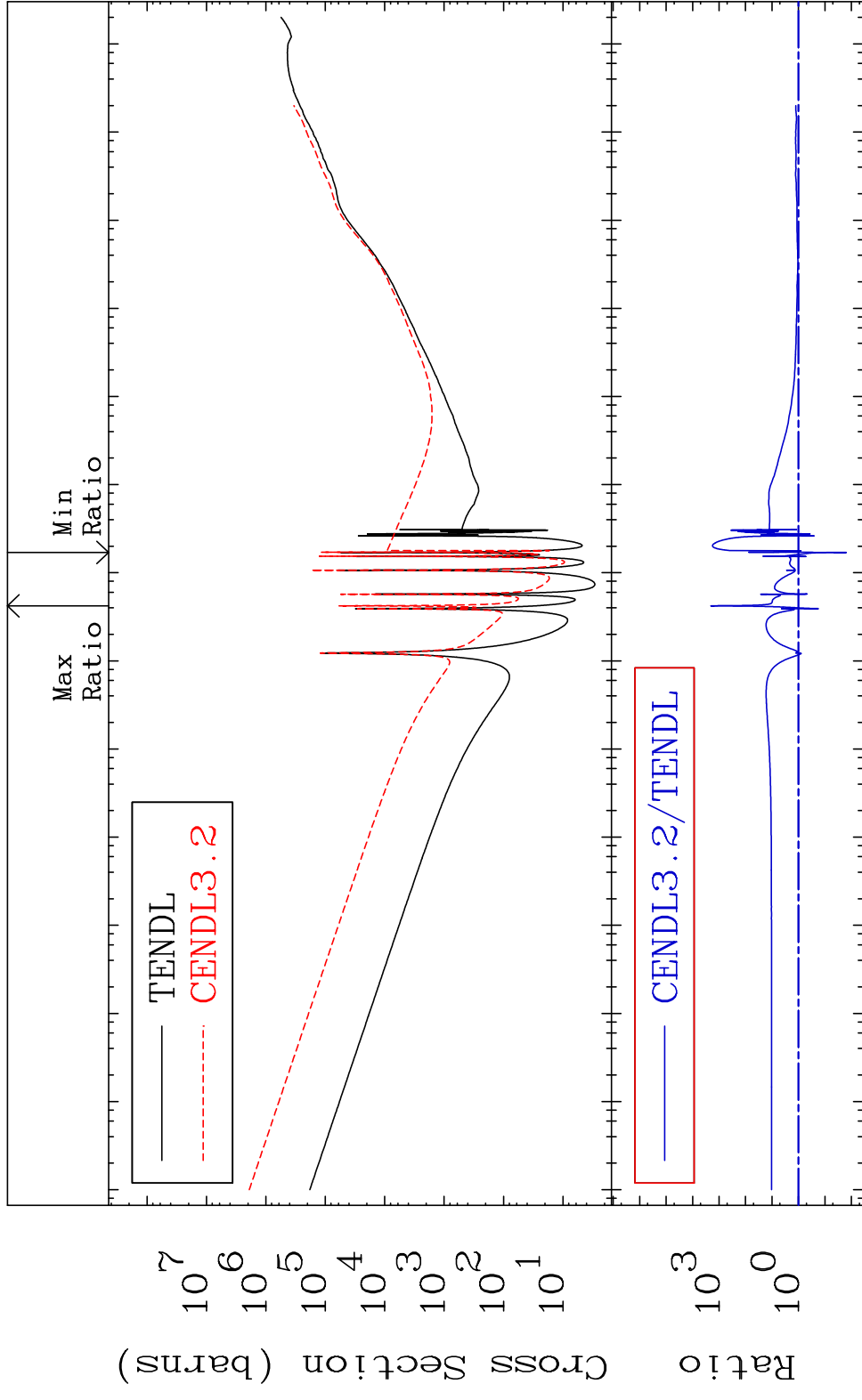
MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section 9999. To 9999. %



MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -98.74 To 9999. %



MAT 5528 Dpa total (eV-barns) 55-Cs-134
 Cross Section -98.45 To 9999. %

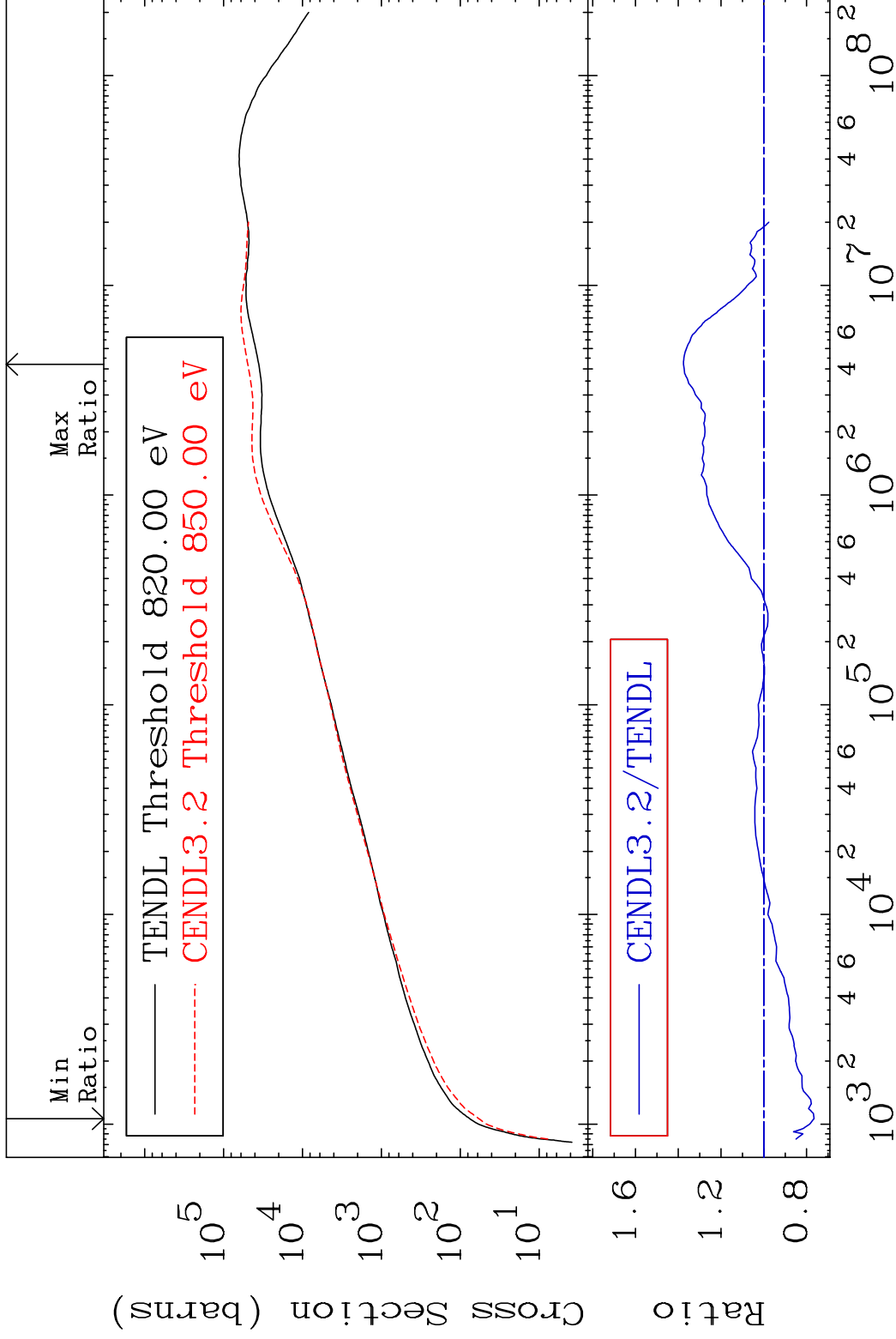


MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section -23.46 To 37.58 %

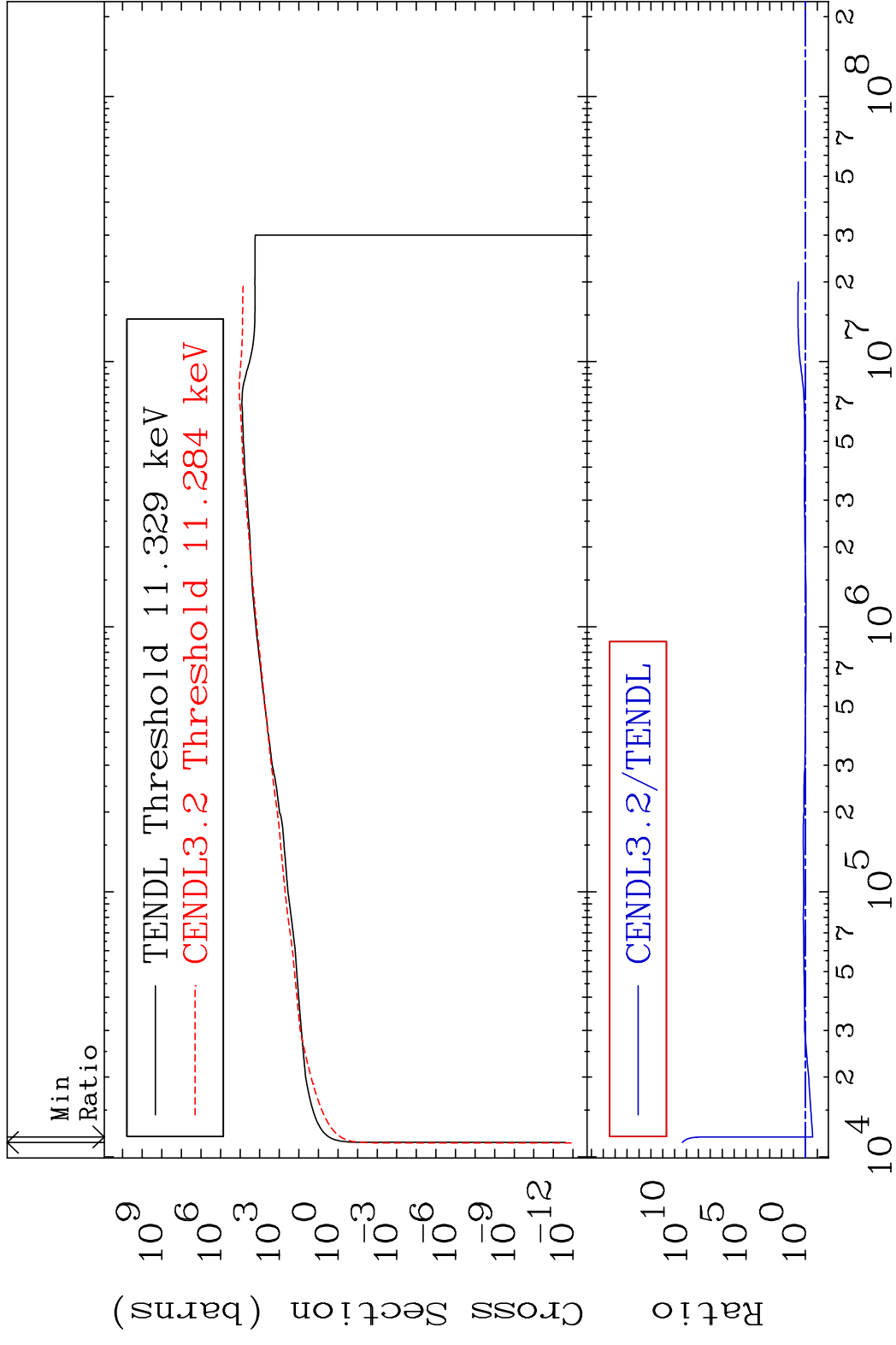


44

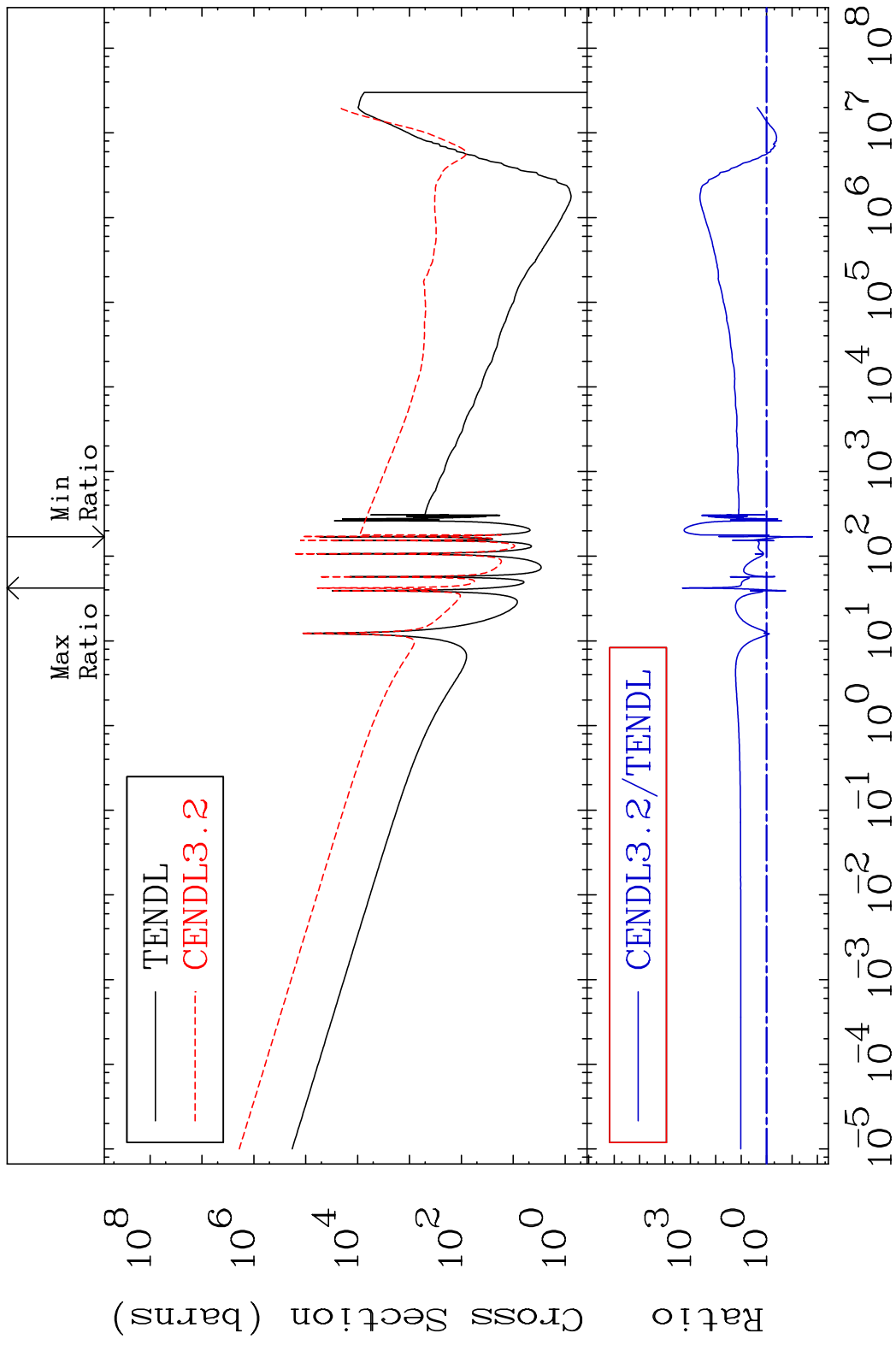
Incident Energy (eV)

55-Cs-134

MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -74.91 To 9999. %



MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -98.45 To 9999. %

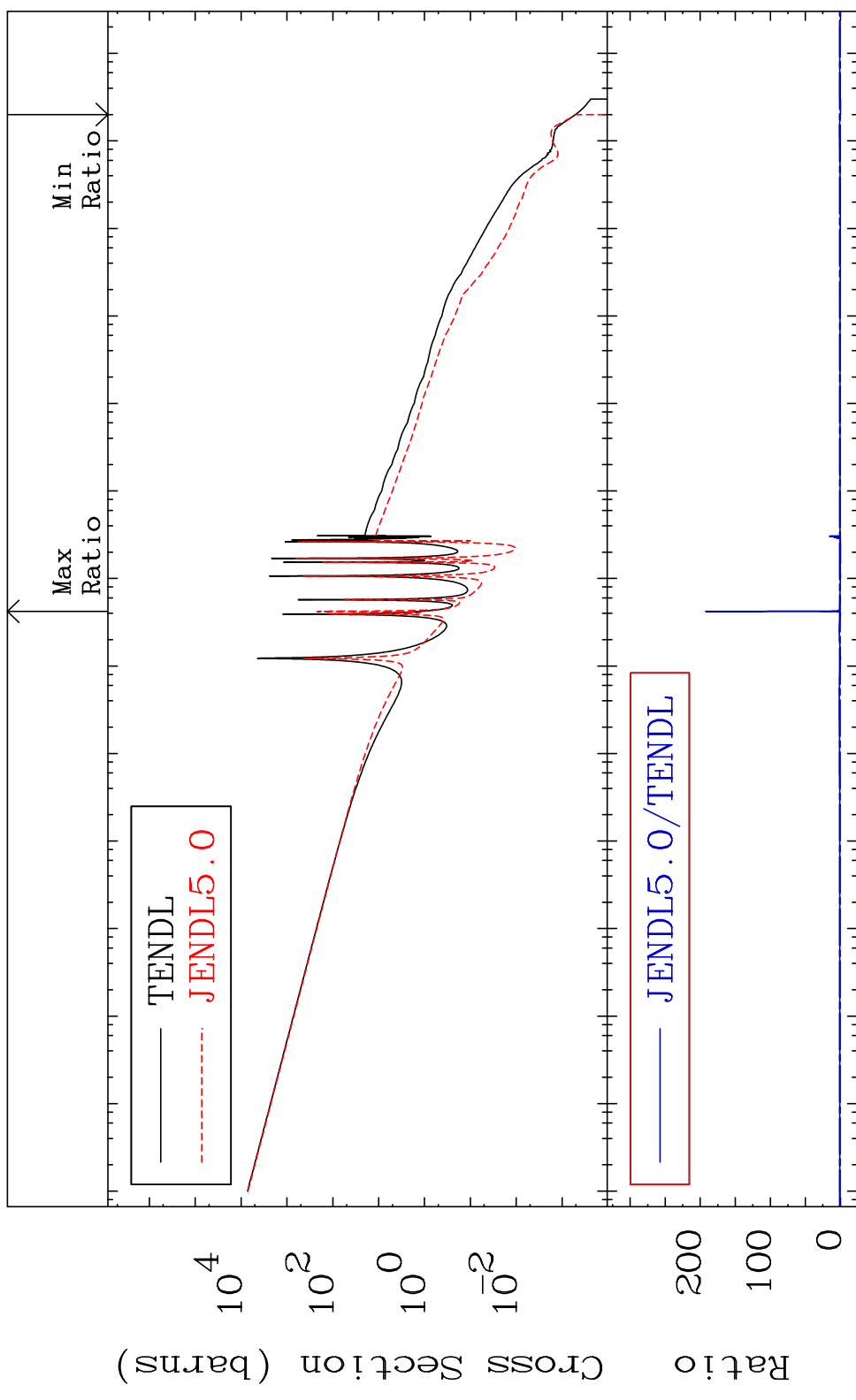


MAT 5528

(n, γ)

55-Cs-134

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

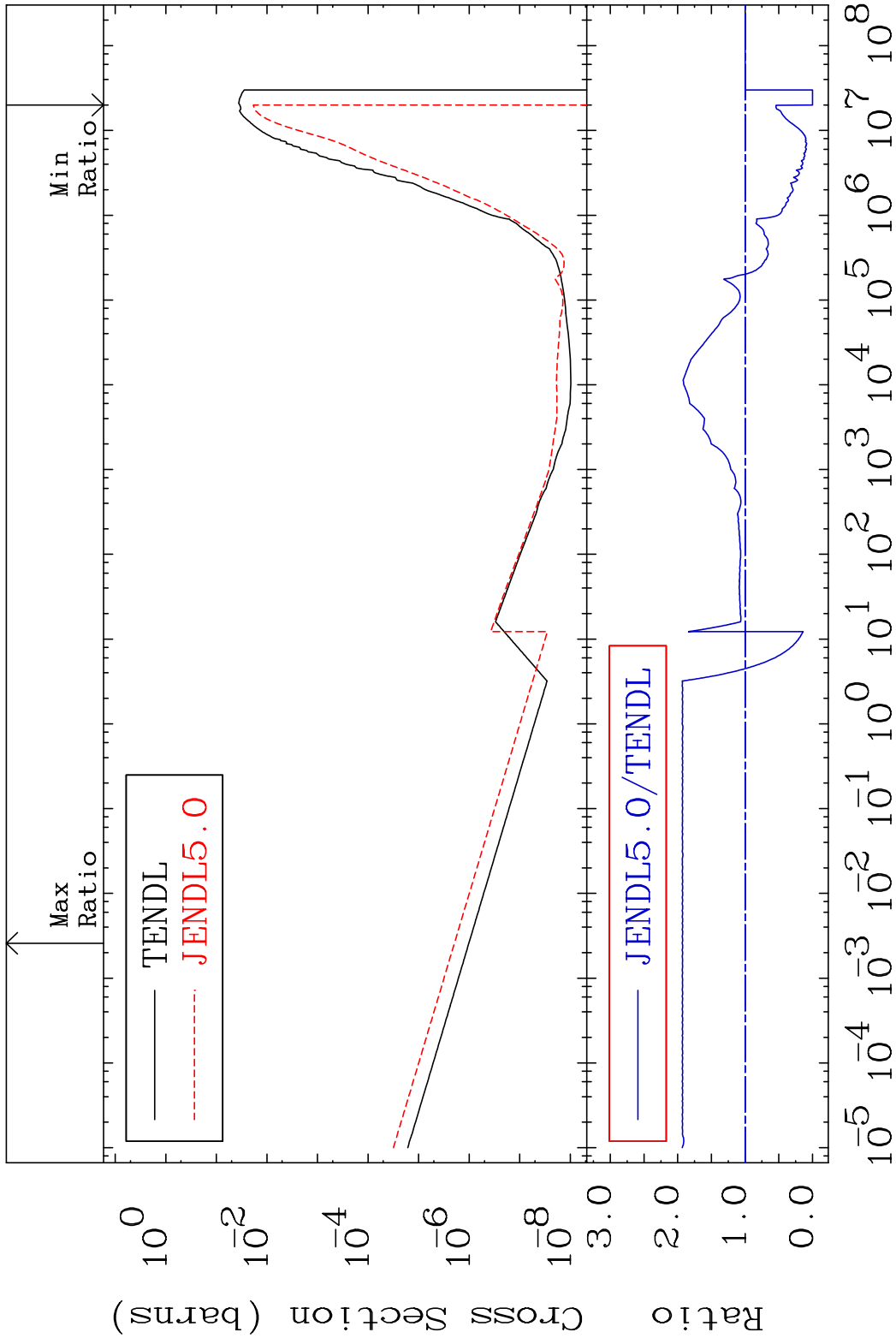
55-Cs-134

MAT 5528

(n, p)

55-Cs-134

Cross Section -100.0 To 93.40 %



48

Incident Energy (eV)

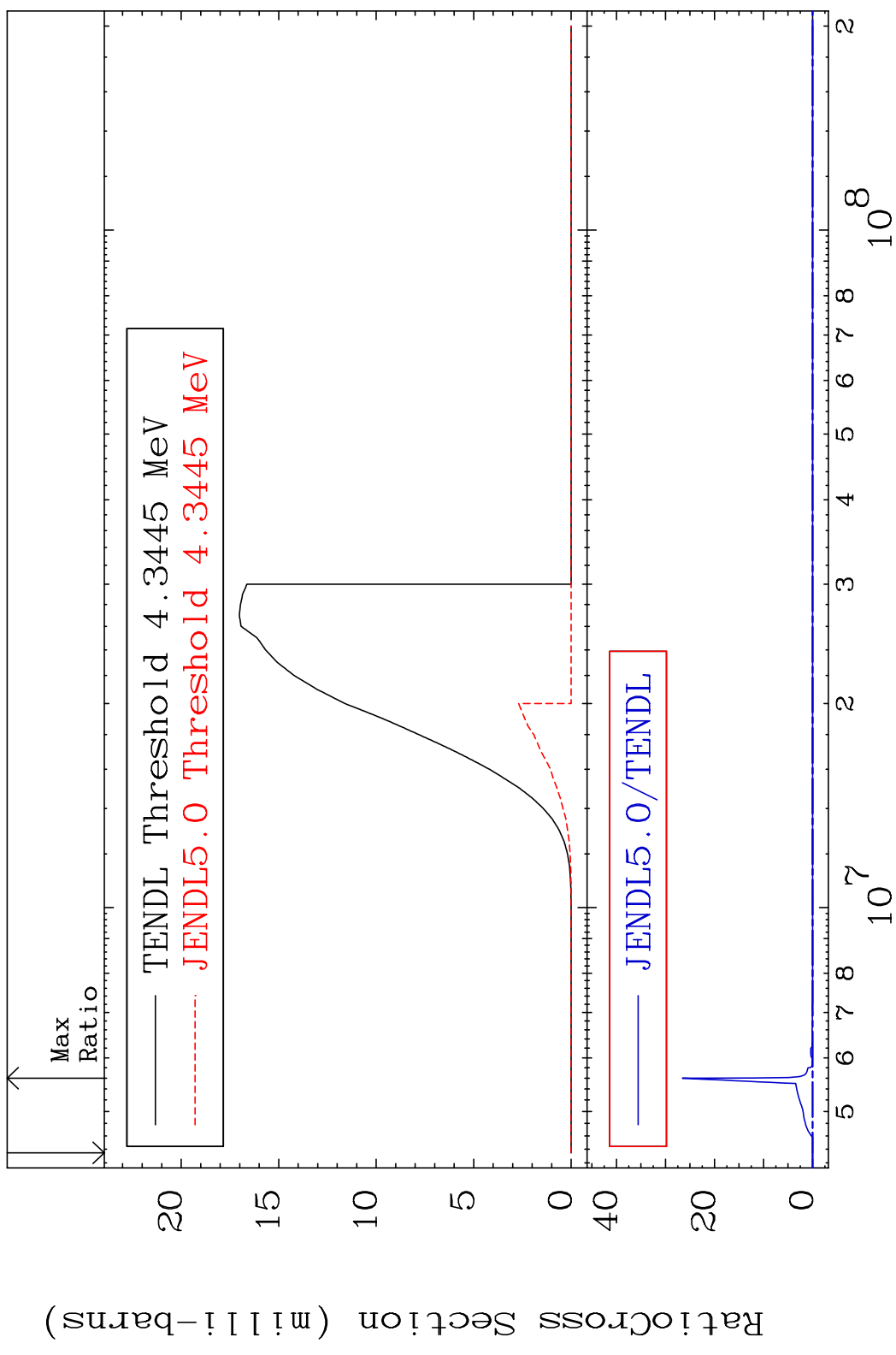
55-Cs-134

MAT 5528

(n,d)

55-Cs-134

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

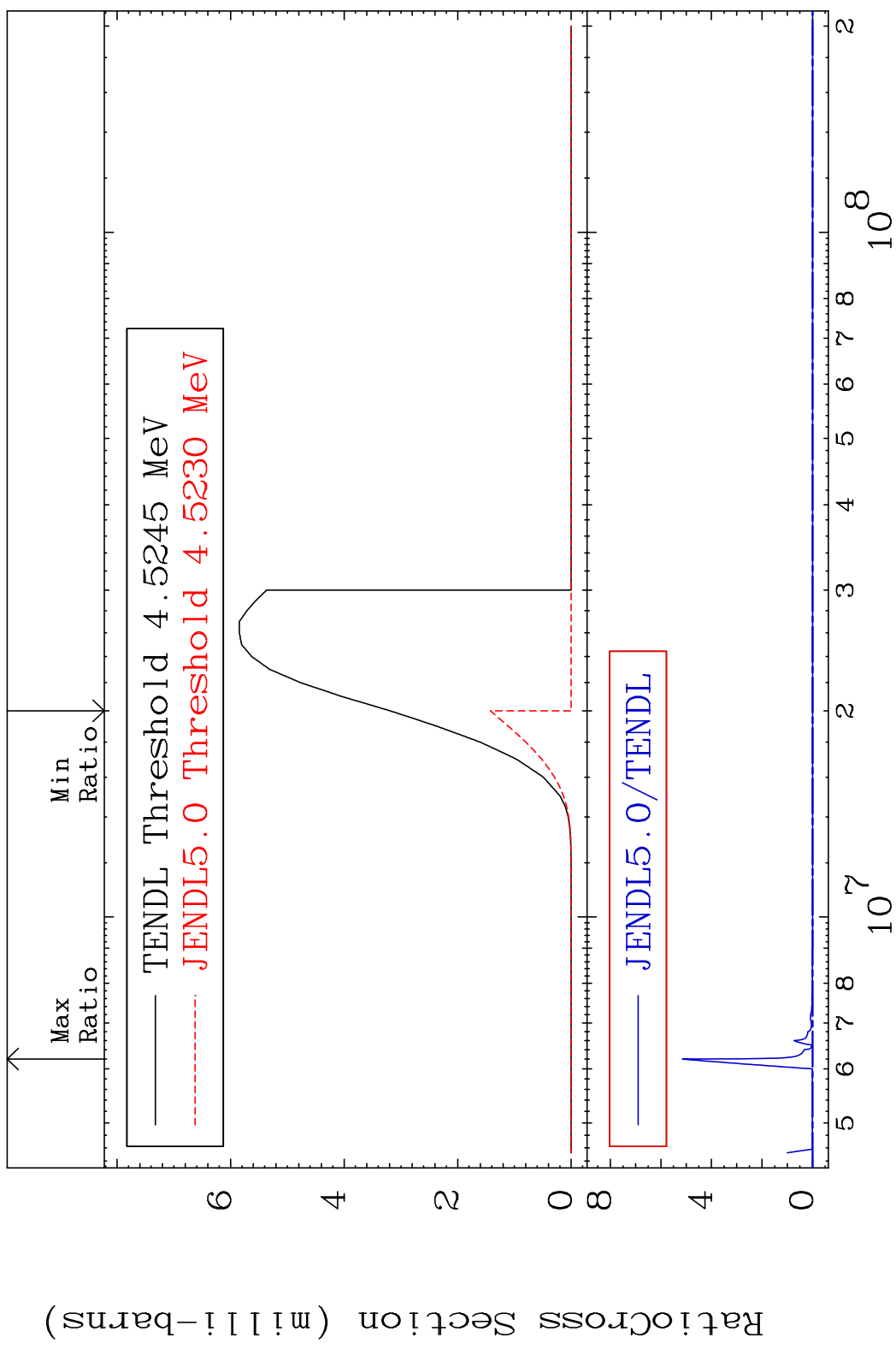
55-Cs-134

MAT 5528

(n, t)

55-Cs-134

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

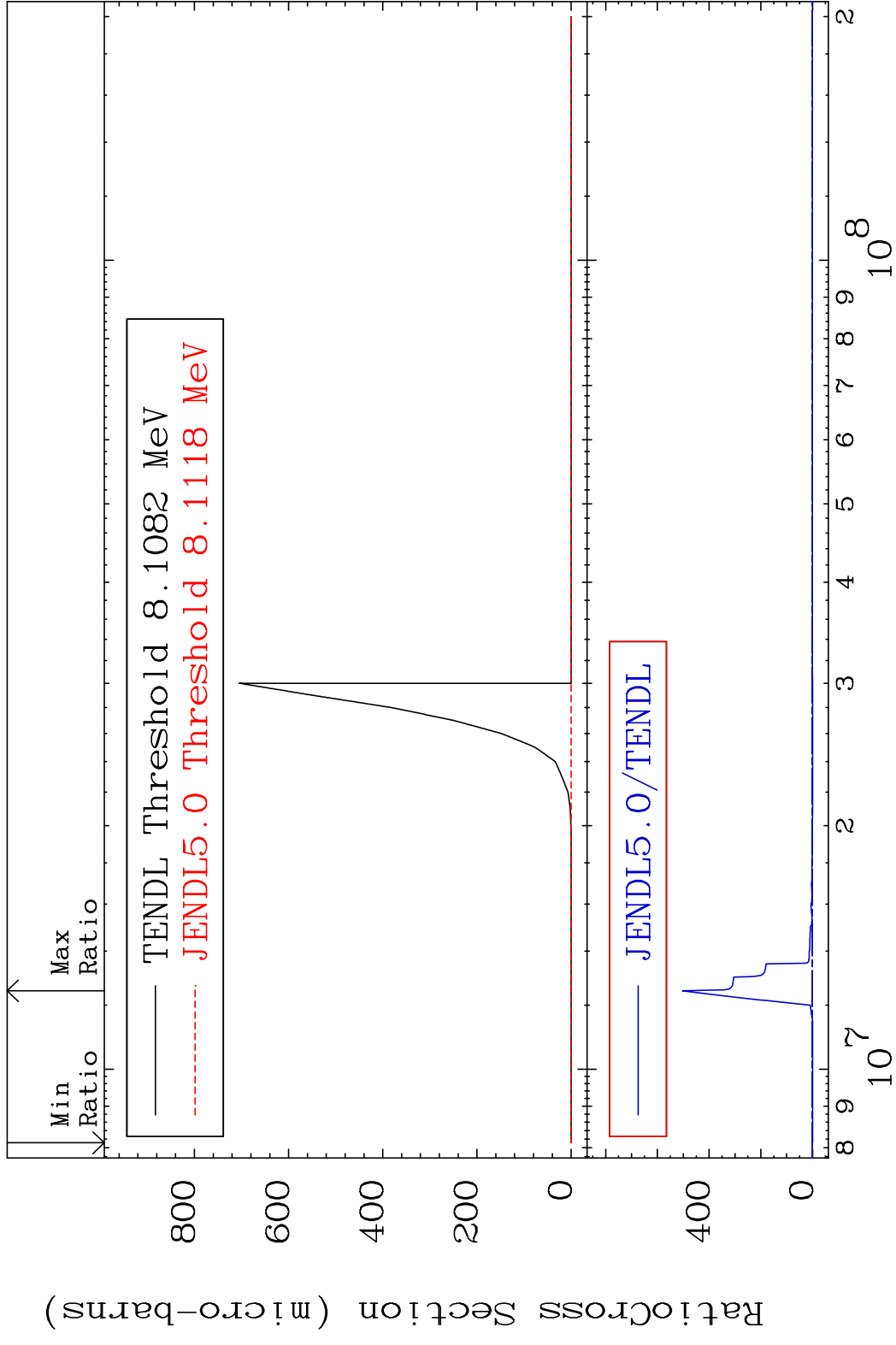
55-Cs-134

MAT 5528

(n, He-3)

55-Cs-134

Cross Section -100.0 To 9999. %

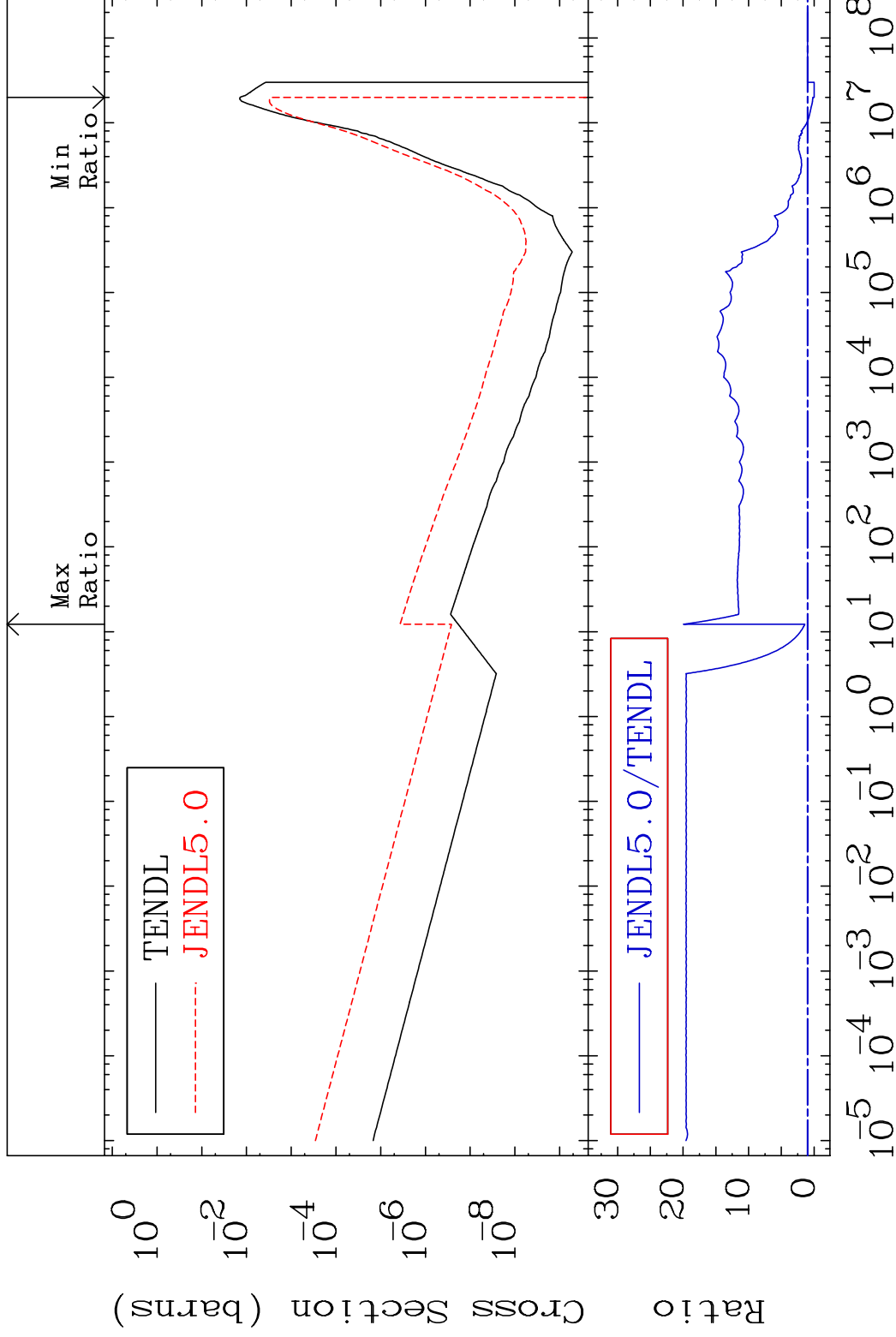


MAT 5528

(n, α)

Cross Section -100.0 To 1891. %

55-Cs-134



52

Incident Energy (eV)

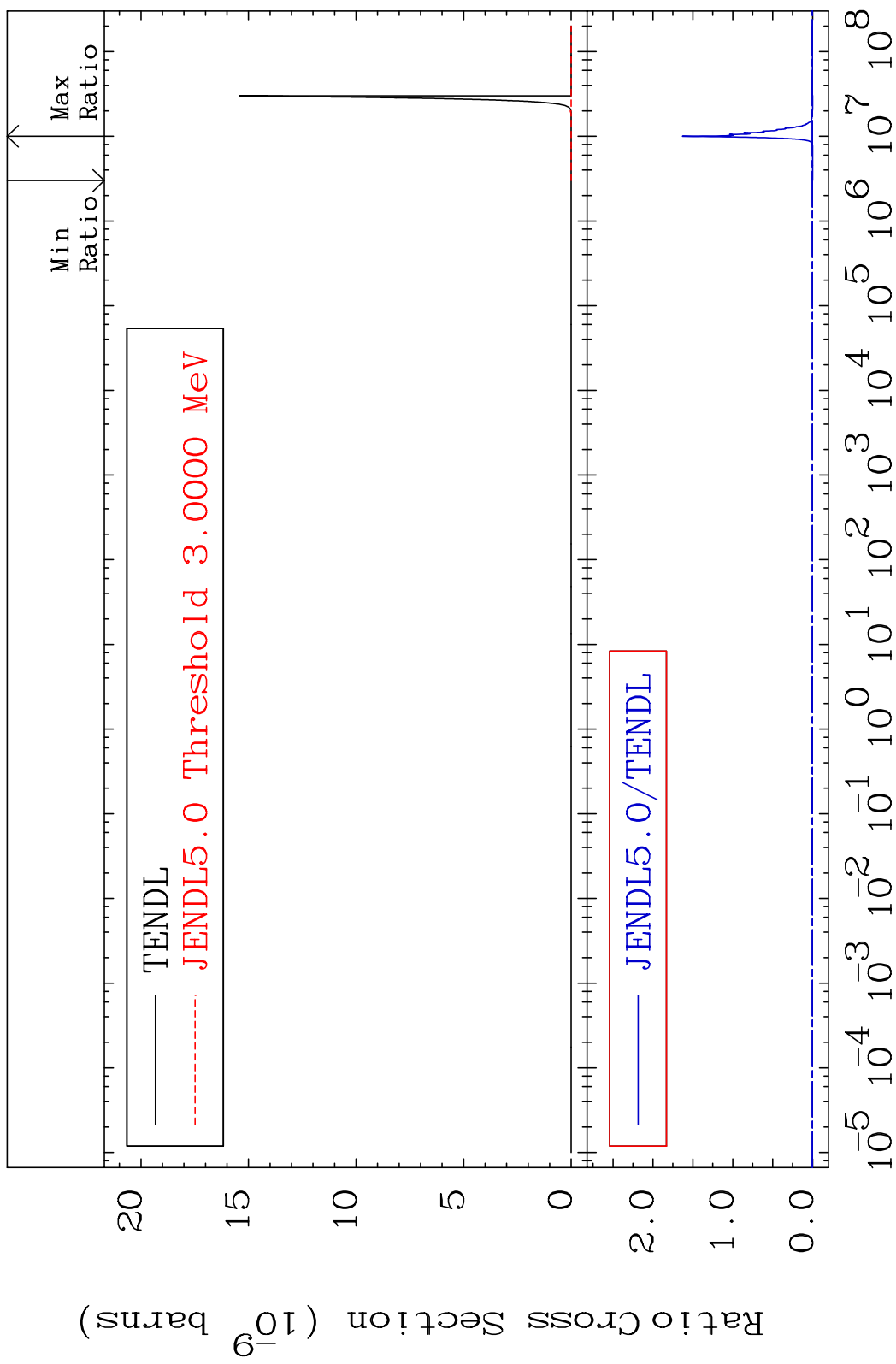
55-Cs-134

MAT 5528

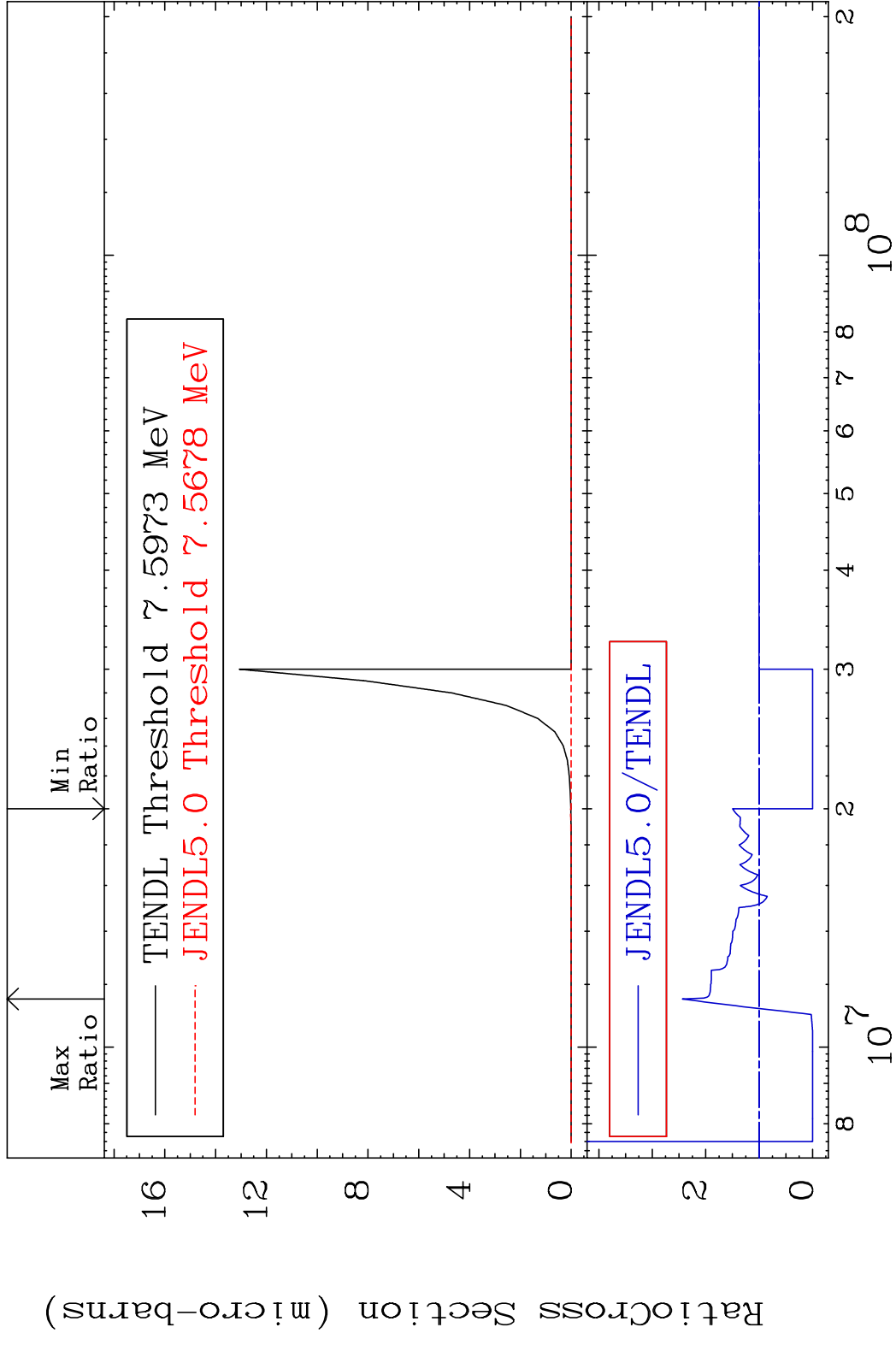
(n,2α)

55-Cs-134

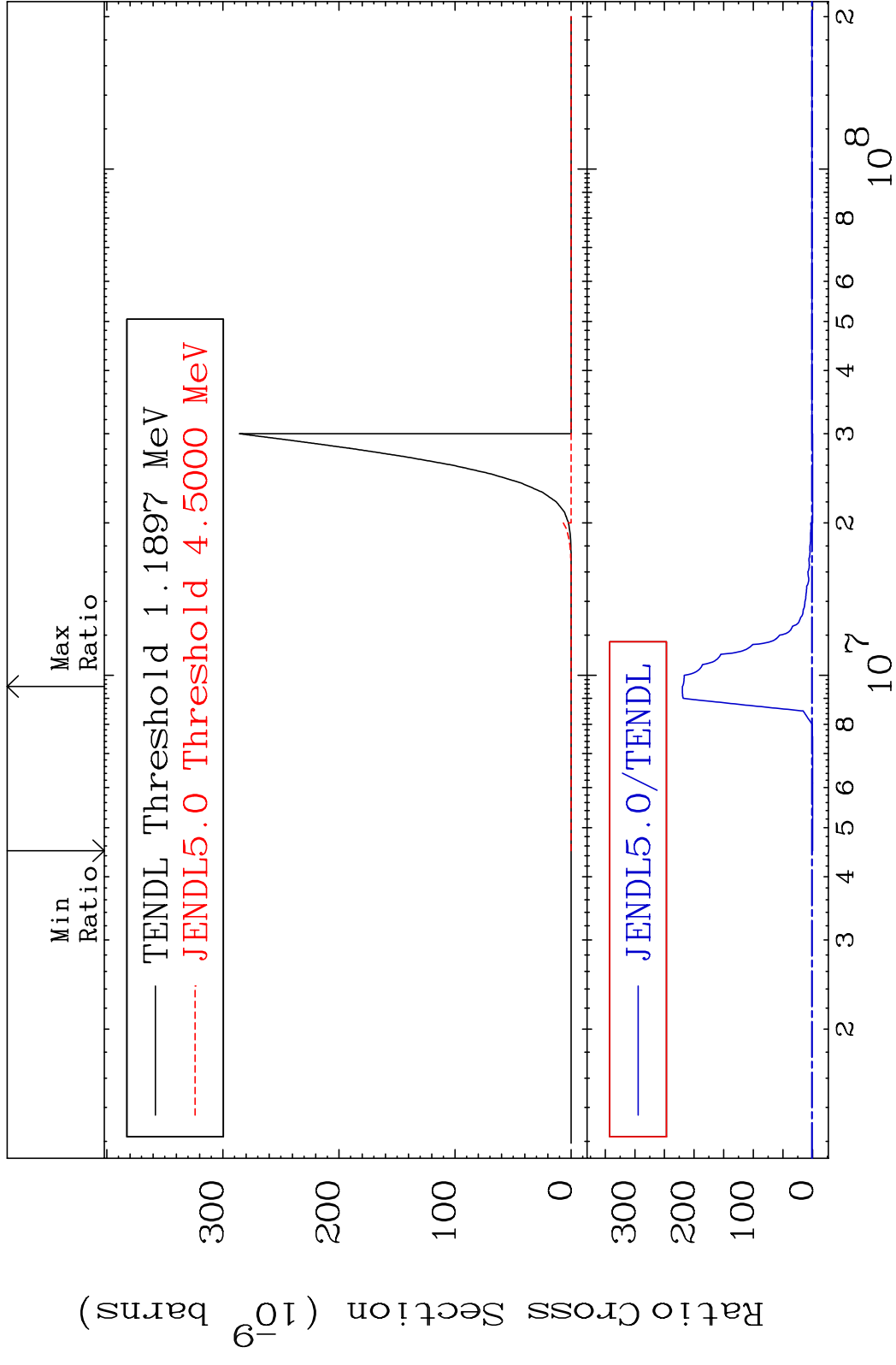
Cross Section -100.0 To 9999. %



MAT 5528 (n,2p) 55-Cs-134
 Cross Section -100.0 To 143.7 %



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

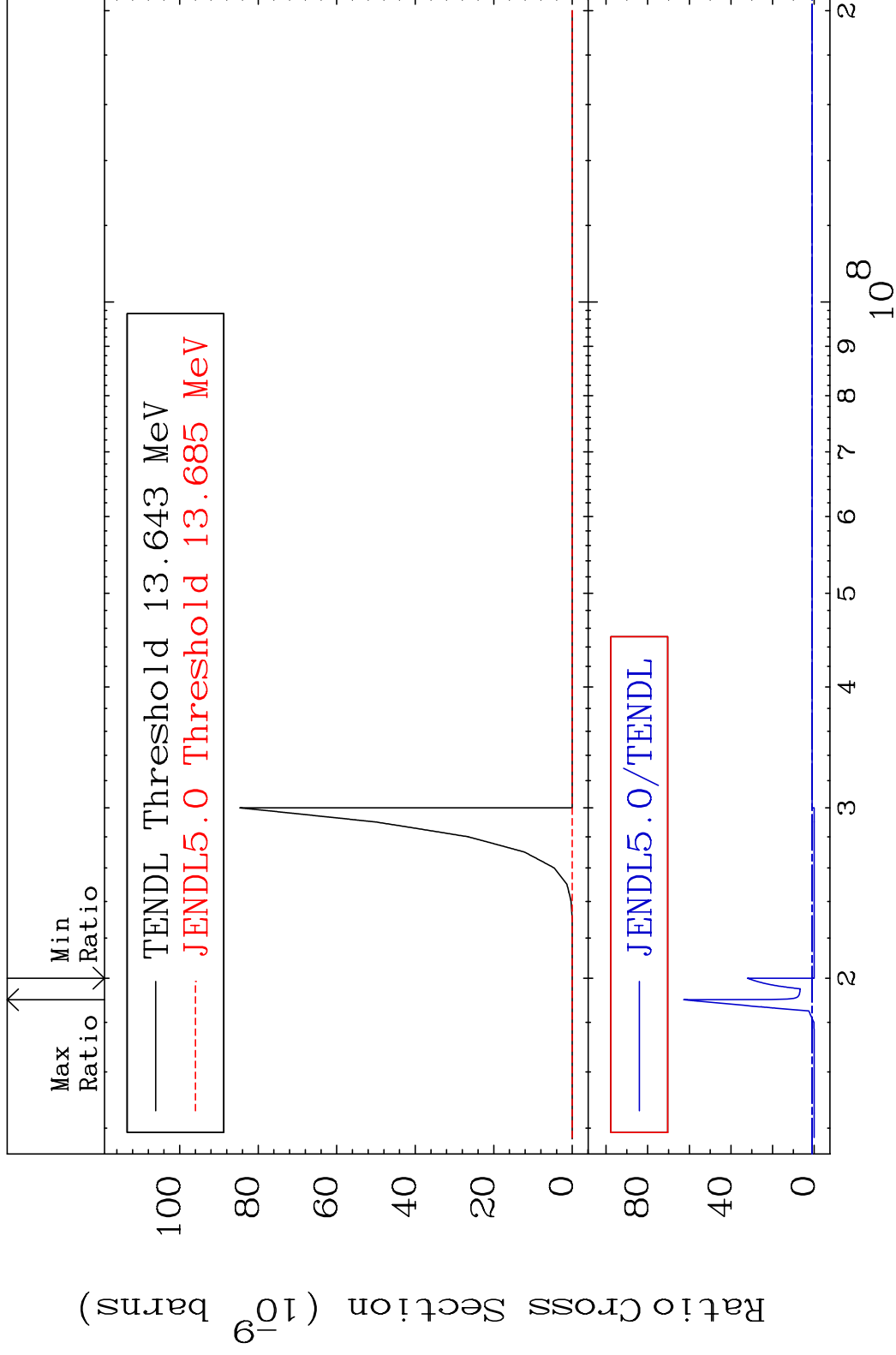


MAT 5528

(n,p) d

55-Cs-134

Cross Section -100.0 To 6172. %

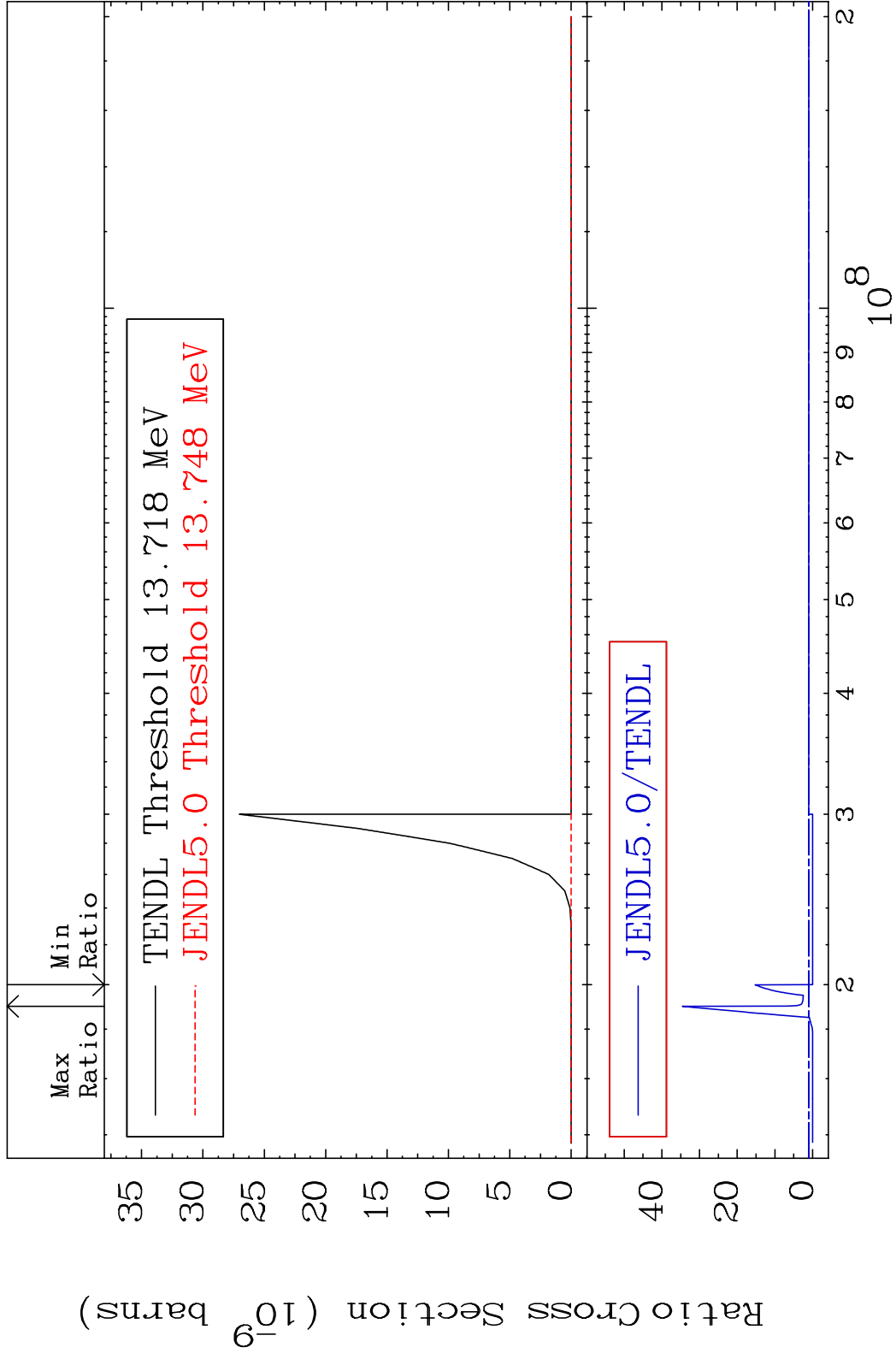


56

Incident Energy (eV)

55-Cs-134

MAT 5528 (n,p) t 55-Cs-134
 Cross Section -100.0 To 3356. %

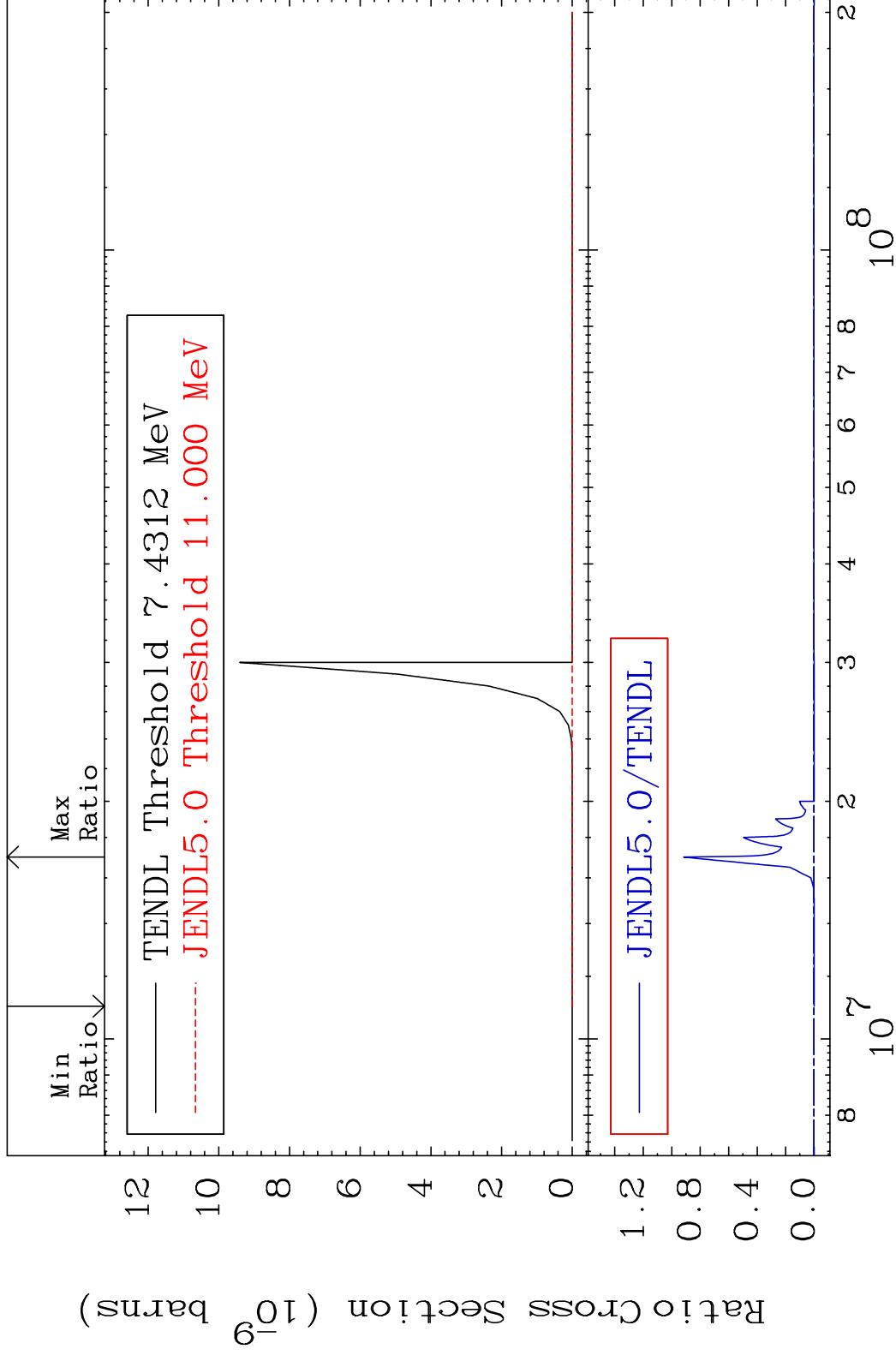


MAT 5528

(n,d) α

55-Cs-134

Cross Section -100.0 To 9999. %

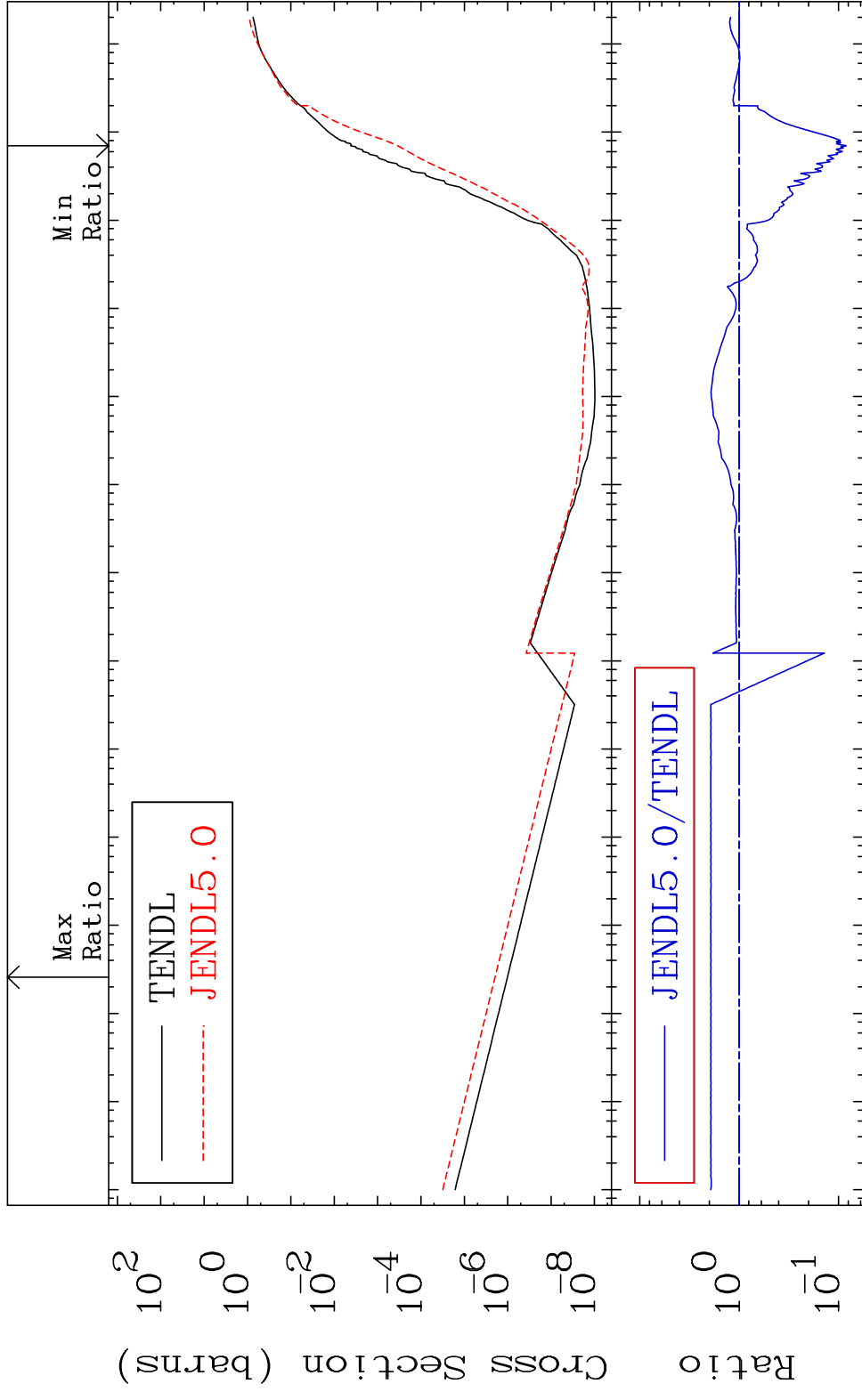


58

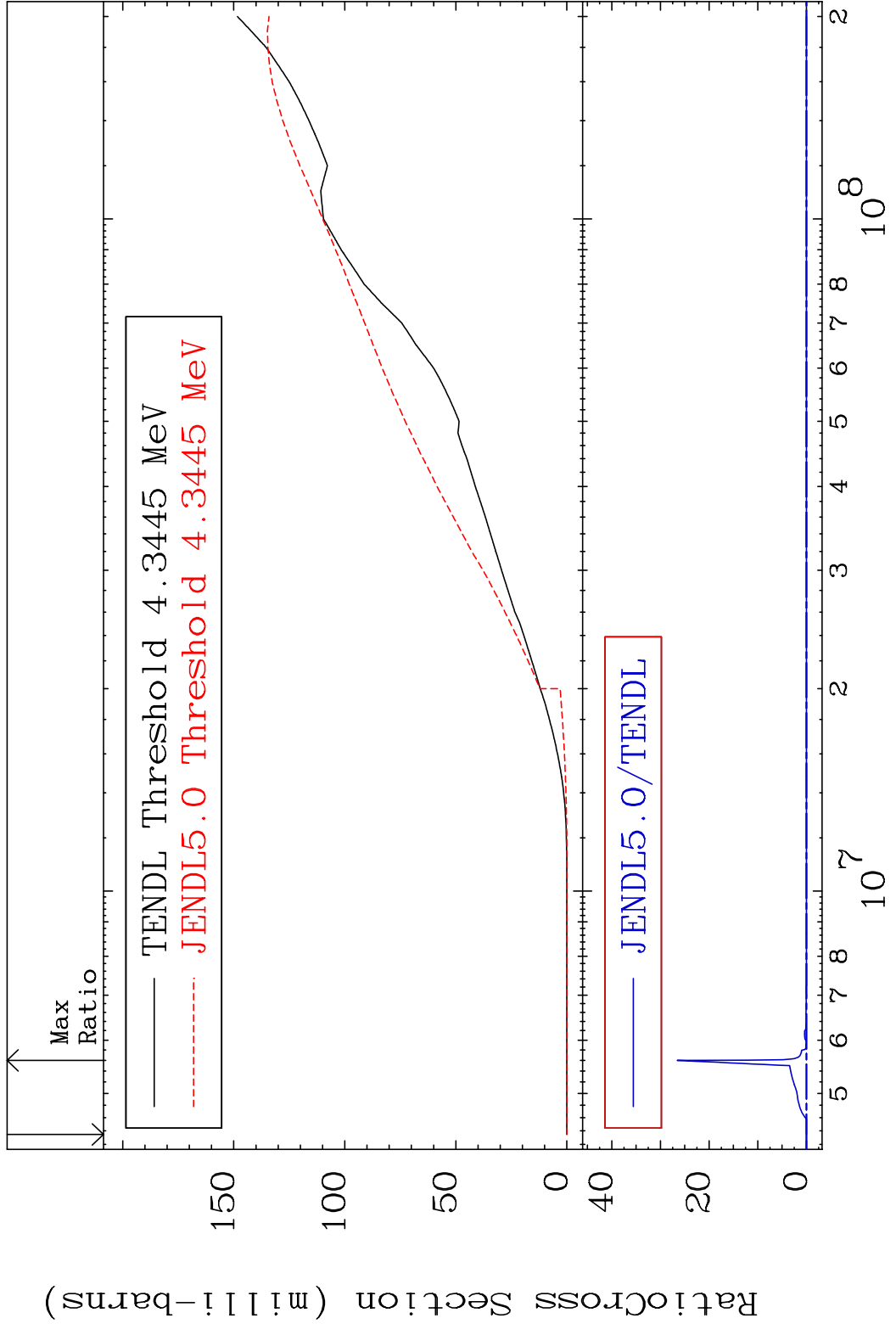
Incident Energy (eV)

55-Cs-134

MAT 5528 Hydrogen Production 55-Cs-134
 Cross Section -91.64 To 93.40 %

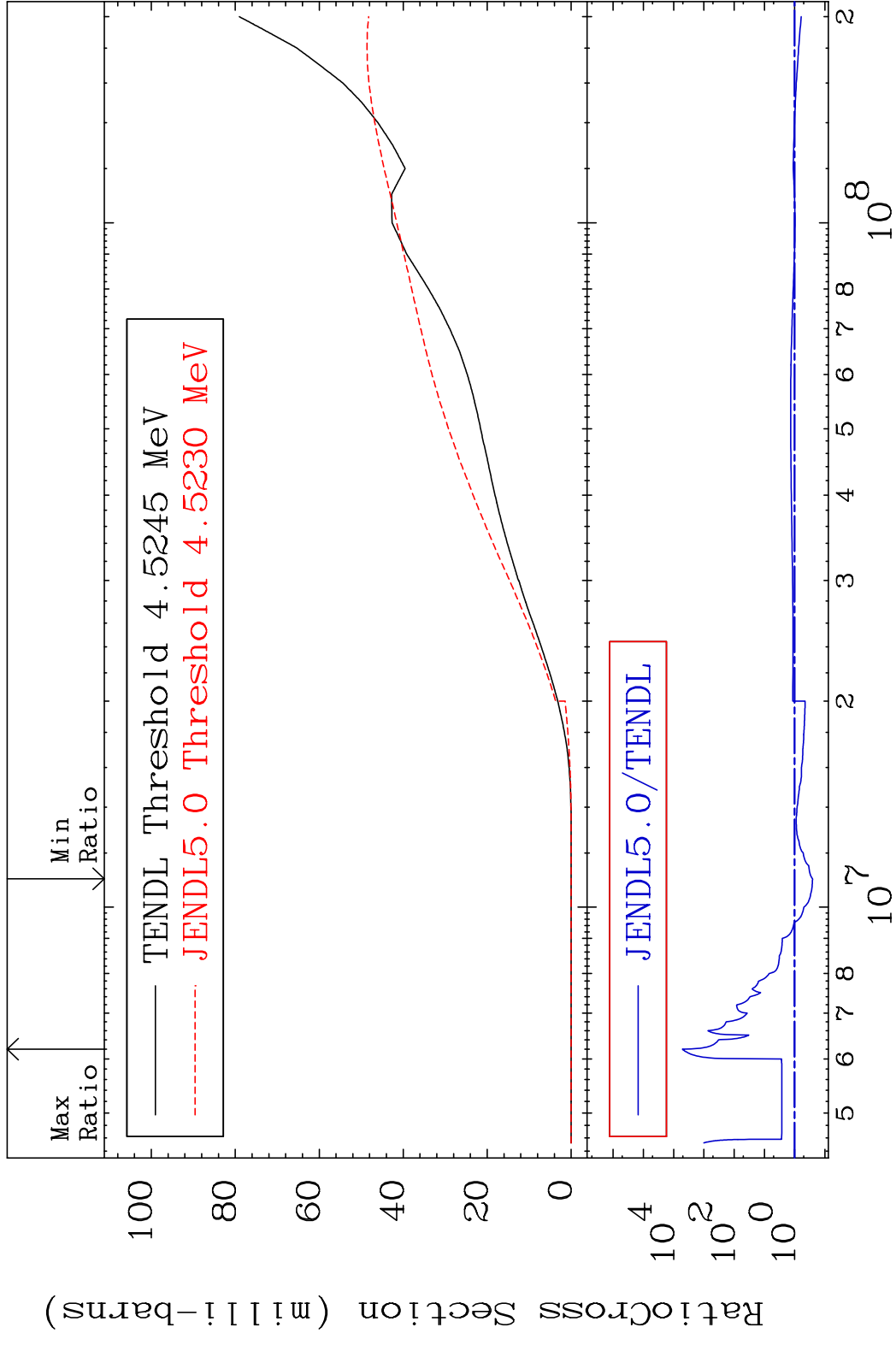


MAT 5528 Deuterium Production 55-Cs-134
 Cross Section -100.0 To 9999. %



60 55-Cs-134

MAT 5528 Tritium Production 55-Cs-134
 Cross Section -74.32 To 9999. %

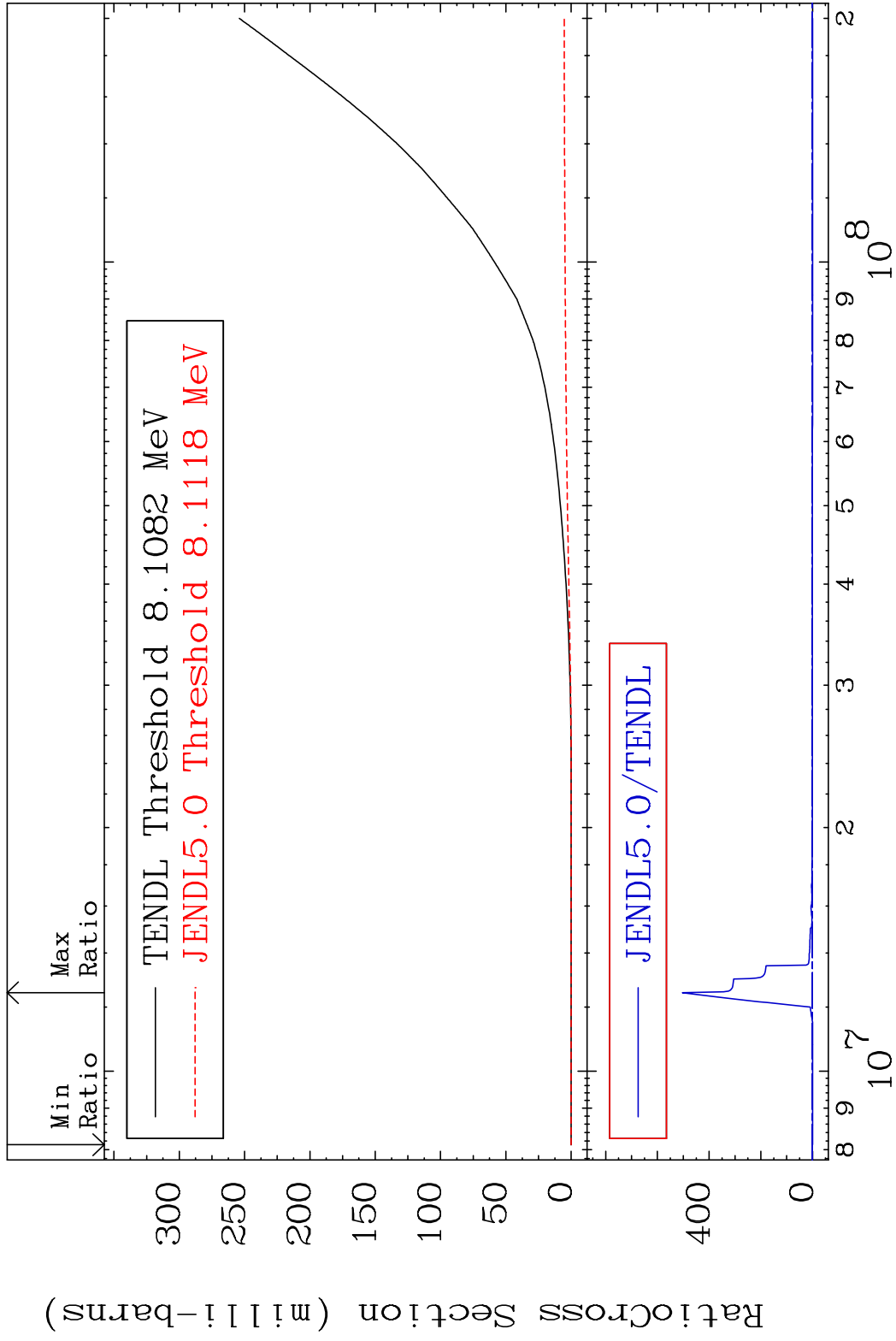


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %



62

Incident Energy (eV)

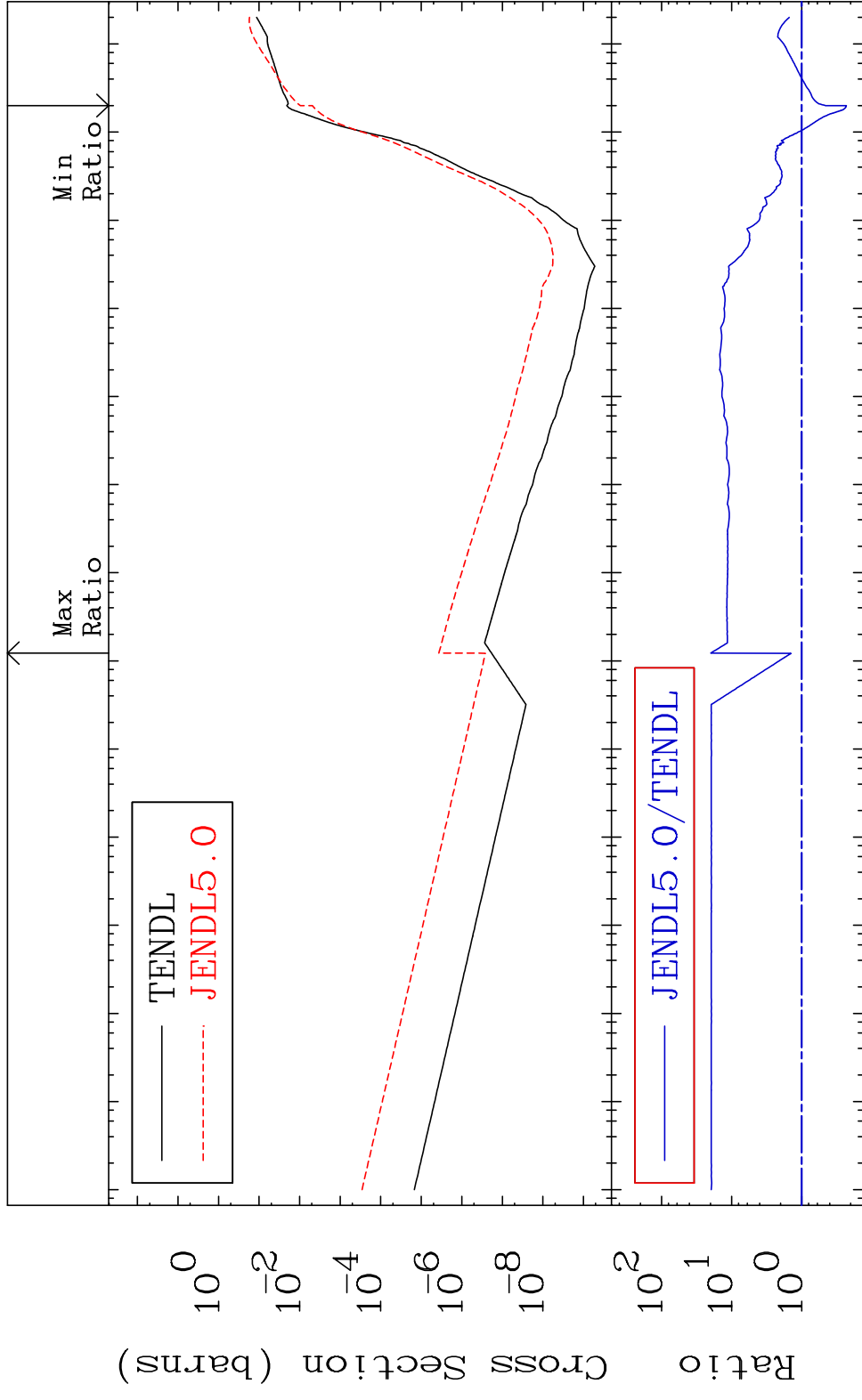
55-Cs-134

MAT 5528

He-4 Production

55-Cs-134

Cross Section -76.86 To 1891. %

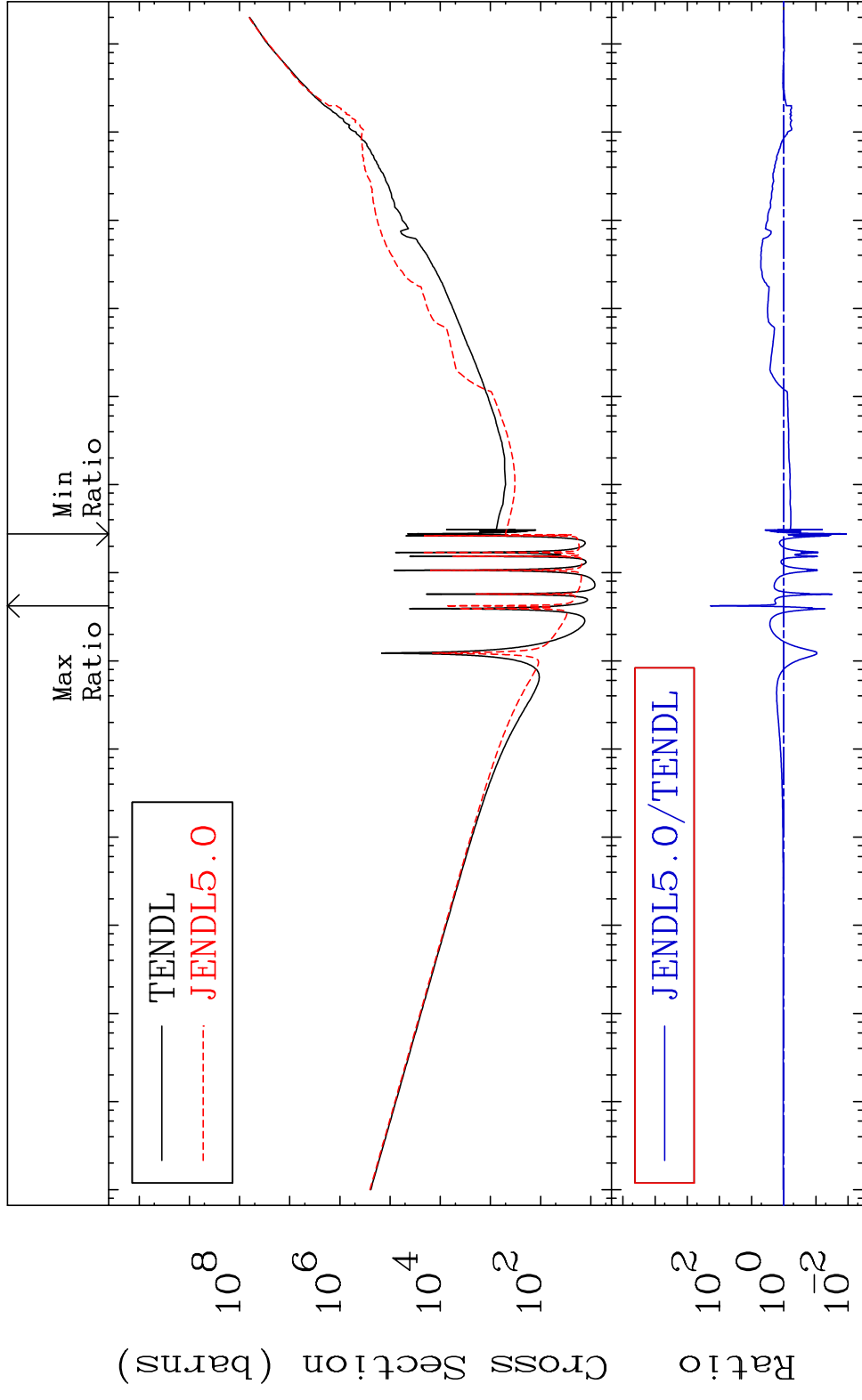


63

Incident Energy (eV)

55-Cs-134

MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section -98.86 To 9999. %

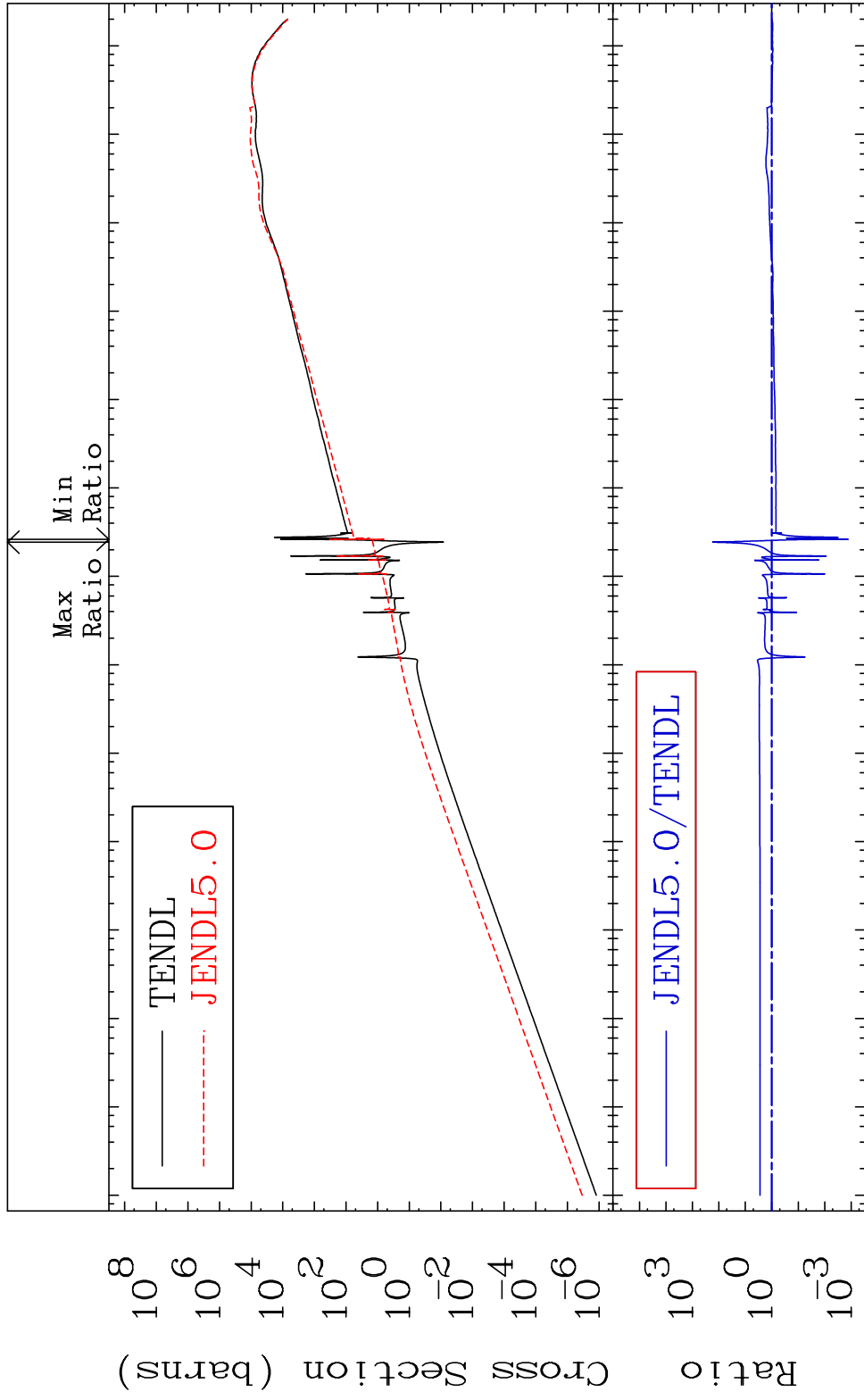


MAT 5528

Kerma elastic

55-Cs-134

Cross Section -99.87 To 9999. %

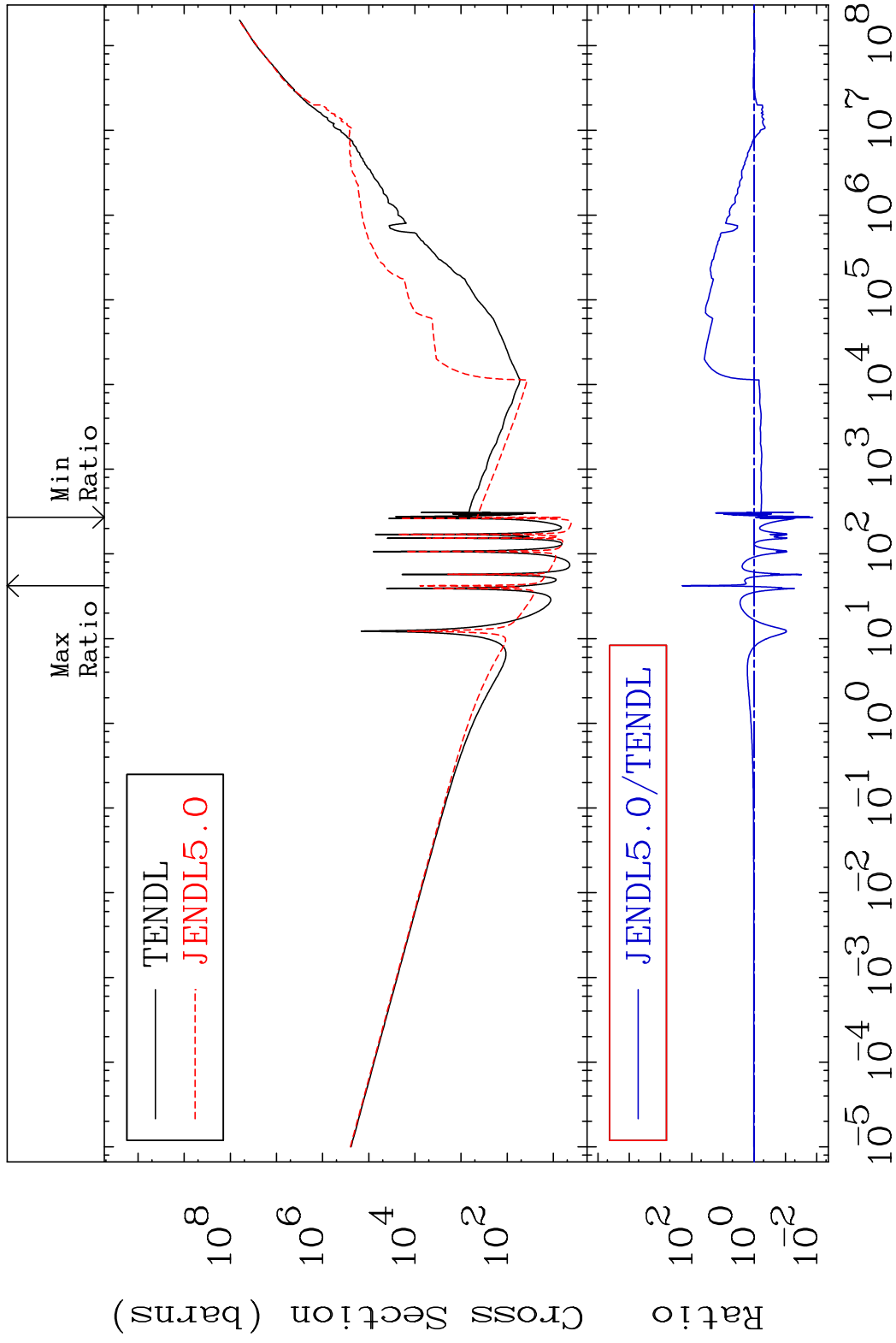


65

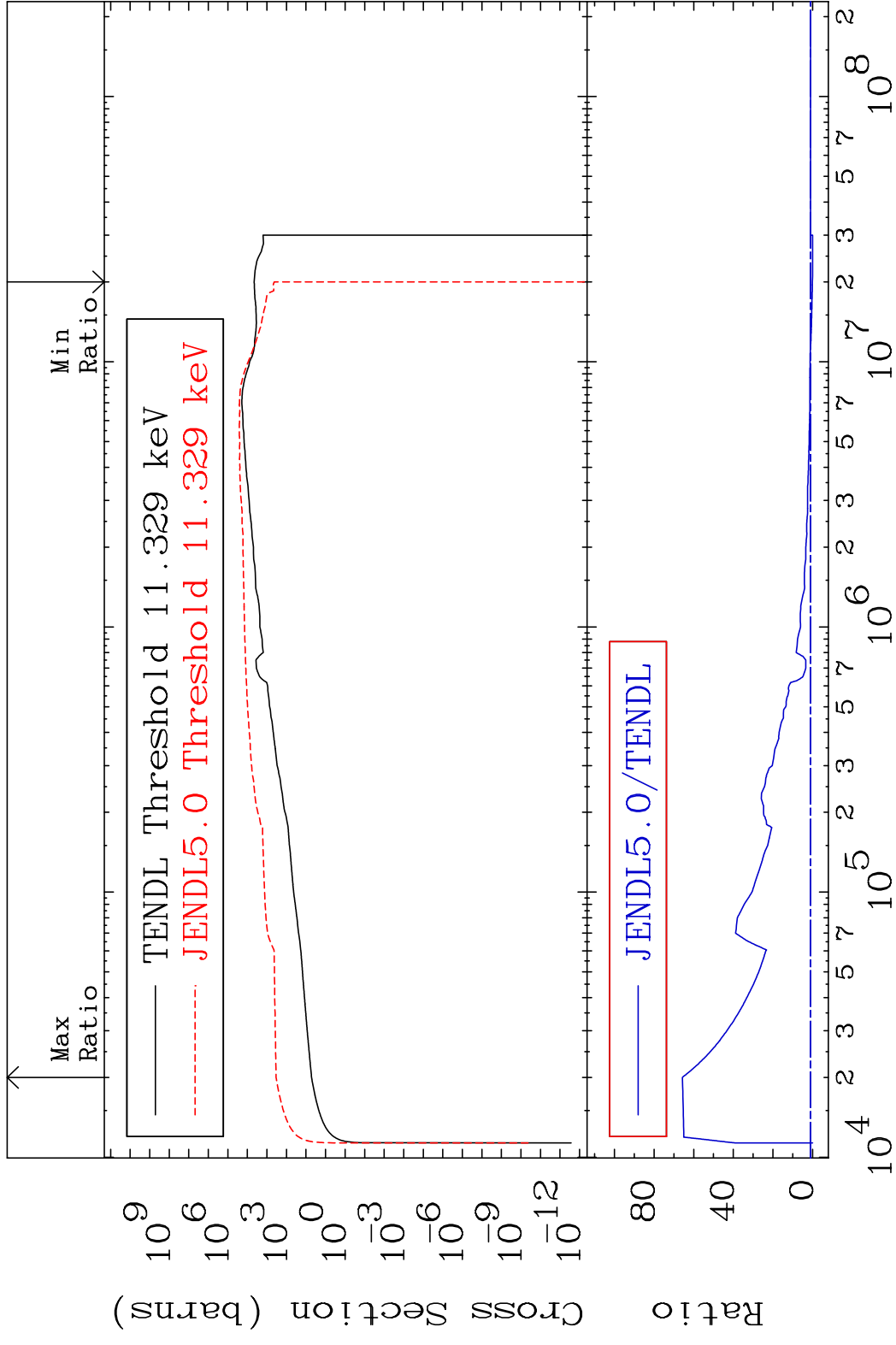
Incident Energy (eV)

55-Cs-134

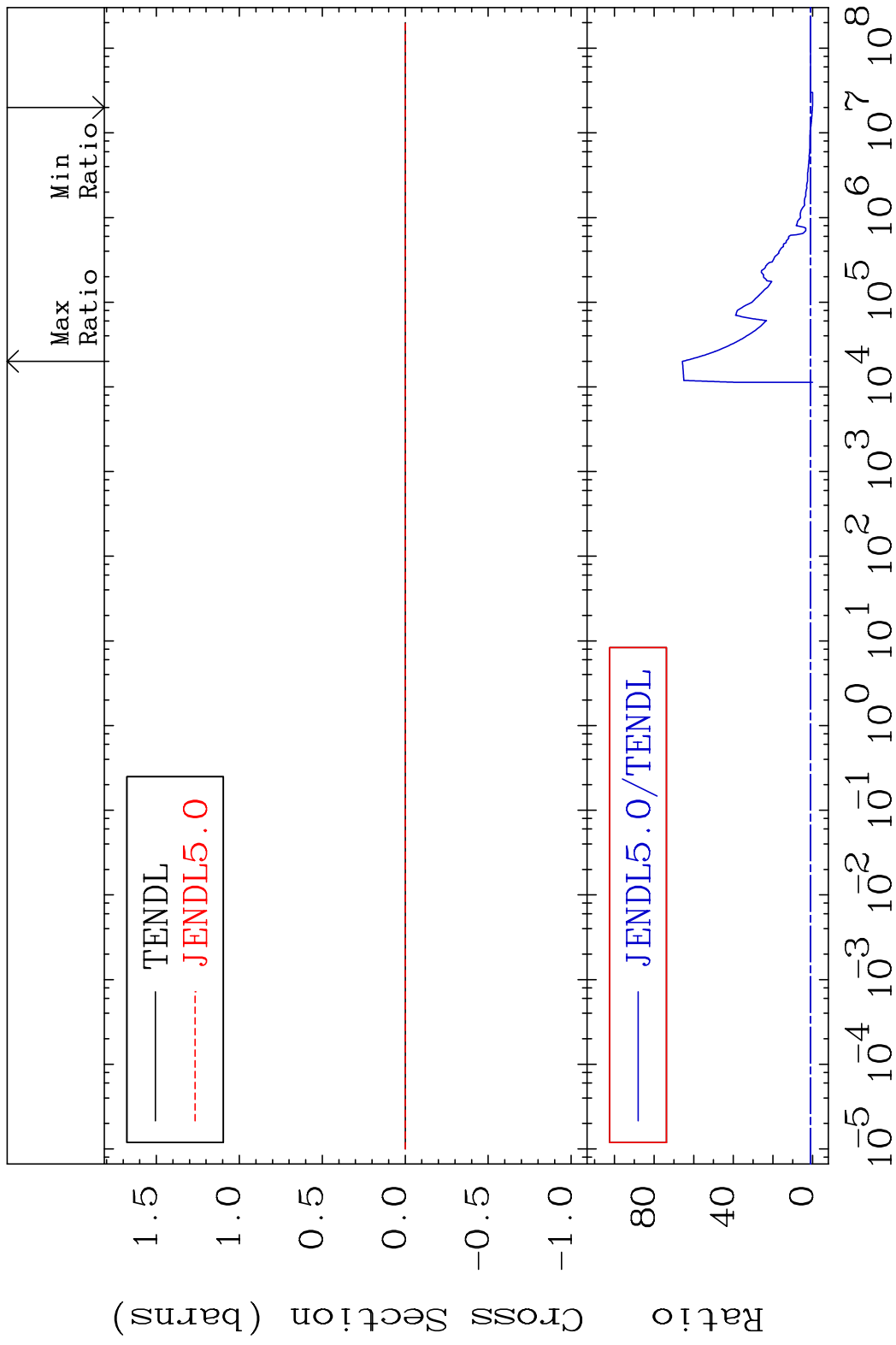
MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section -98.64 To 9999. %



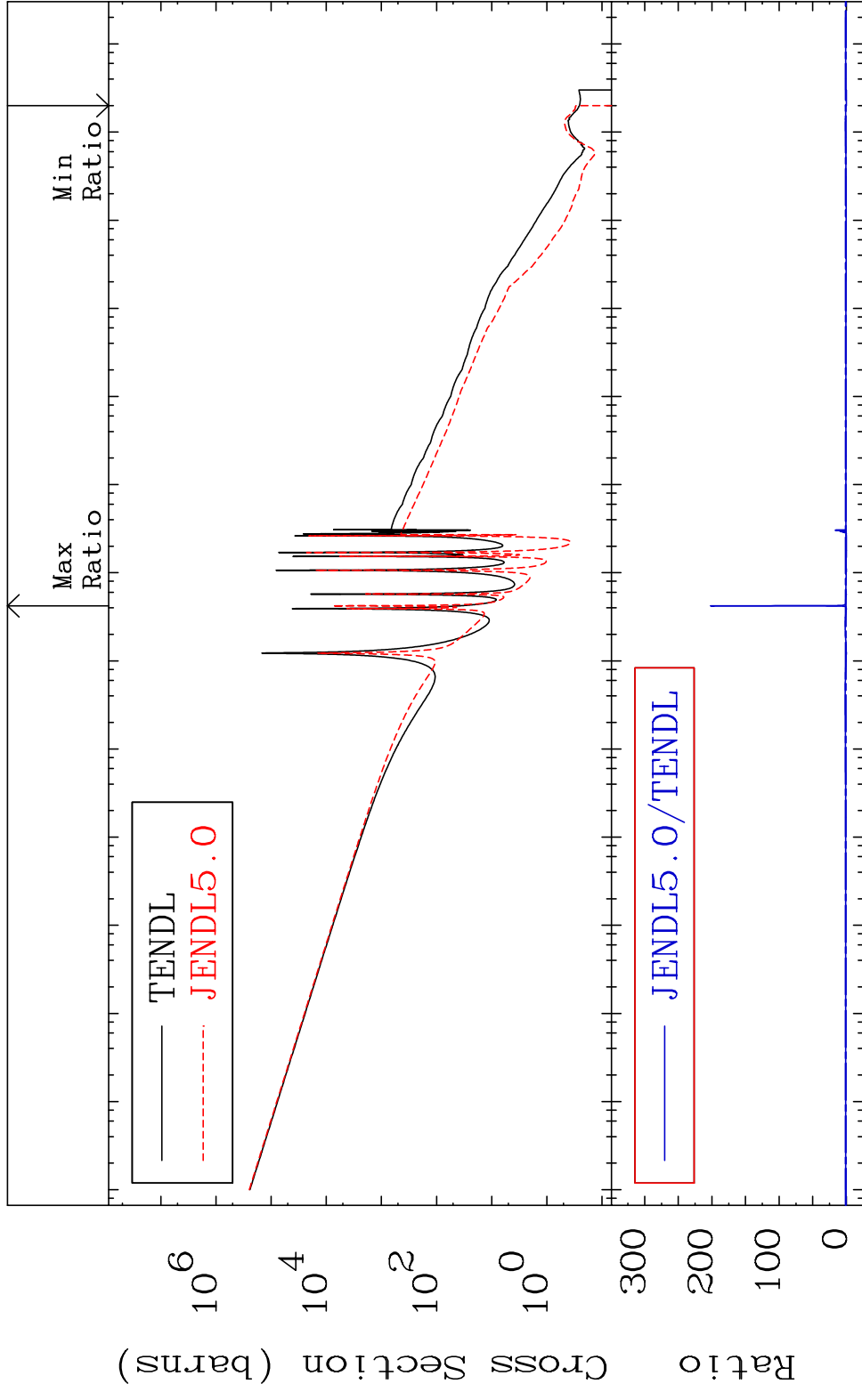
MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 6473. %



MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section -100.0 To 6473. %

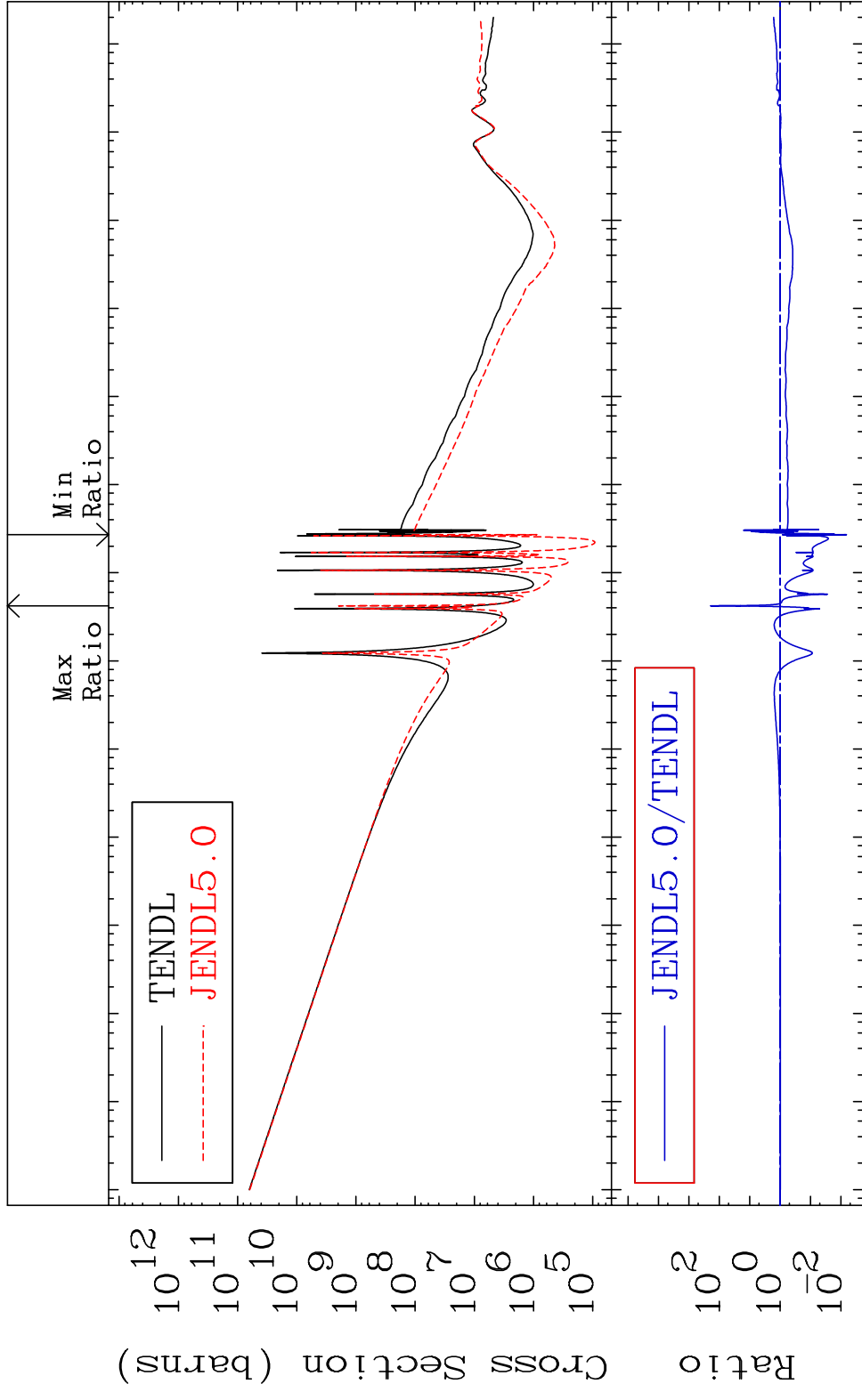


MAT 5528 Kerma capture (mt102) 55-Cs-134
 Cross Section -100.0 To 9999. %



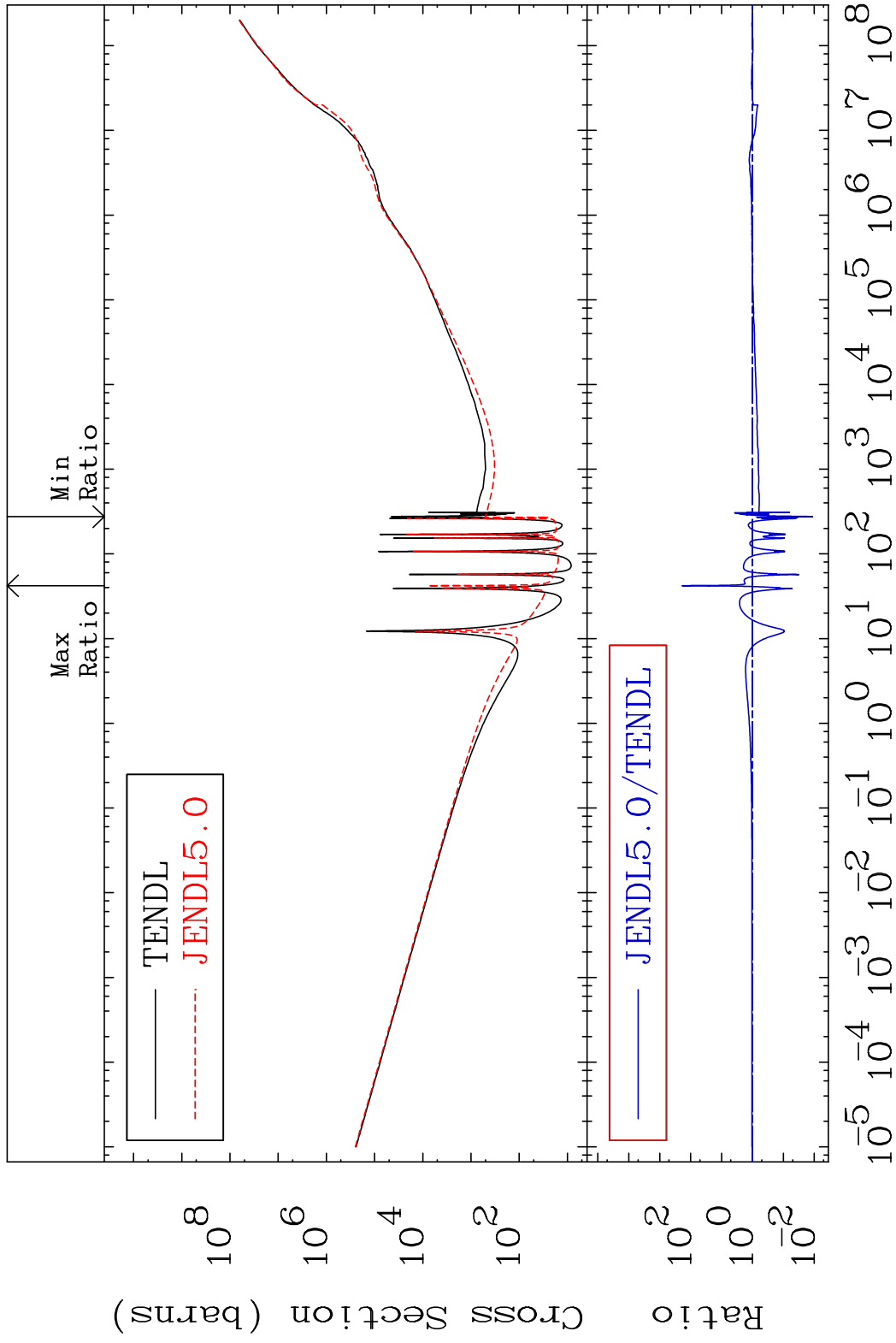
69 Incident Energy (eV) 55-Cs-134

MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section -99.33 To 9999. %

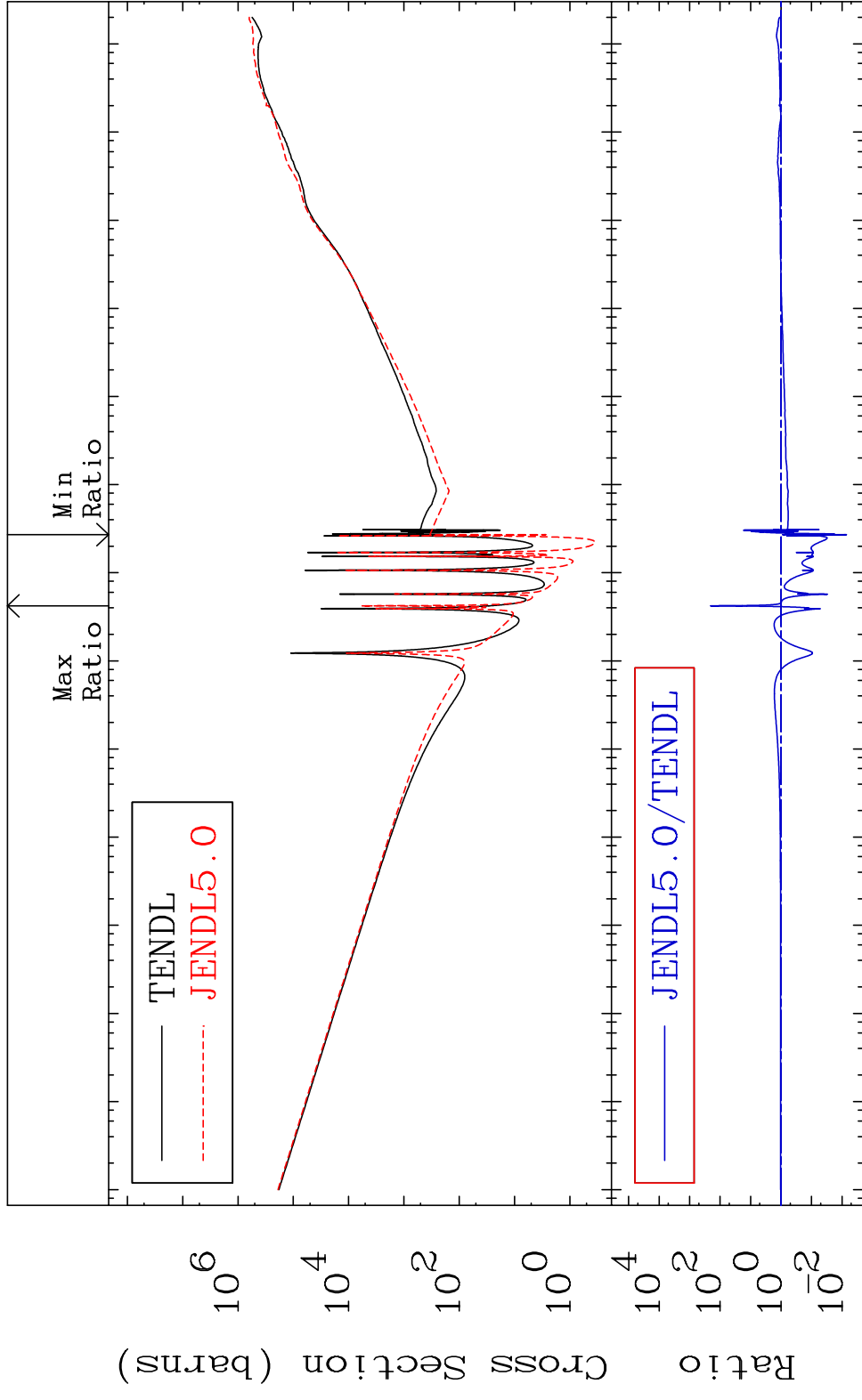


70 Incident Energy (eV) 55-Cs-134

MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -98.86 To 9999. %



MAT 5528 Dpa total (eV-barns) 55-Cs-134
 Cross Section -99.28 To 9999. %



Ratio
 Cross Section (barns)
 Incident Energy (eV)

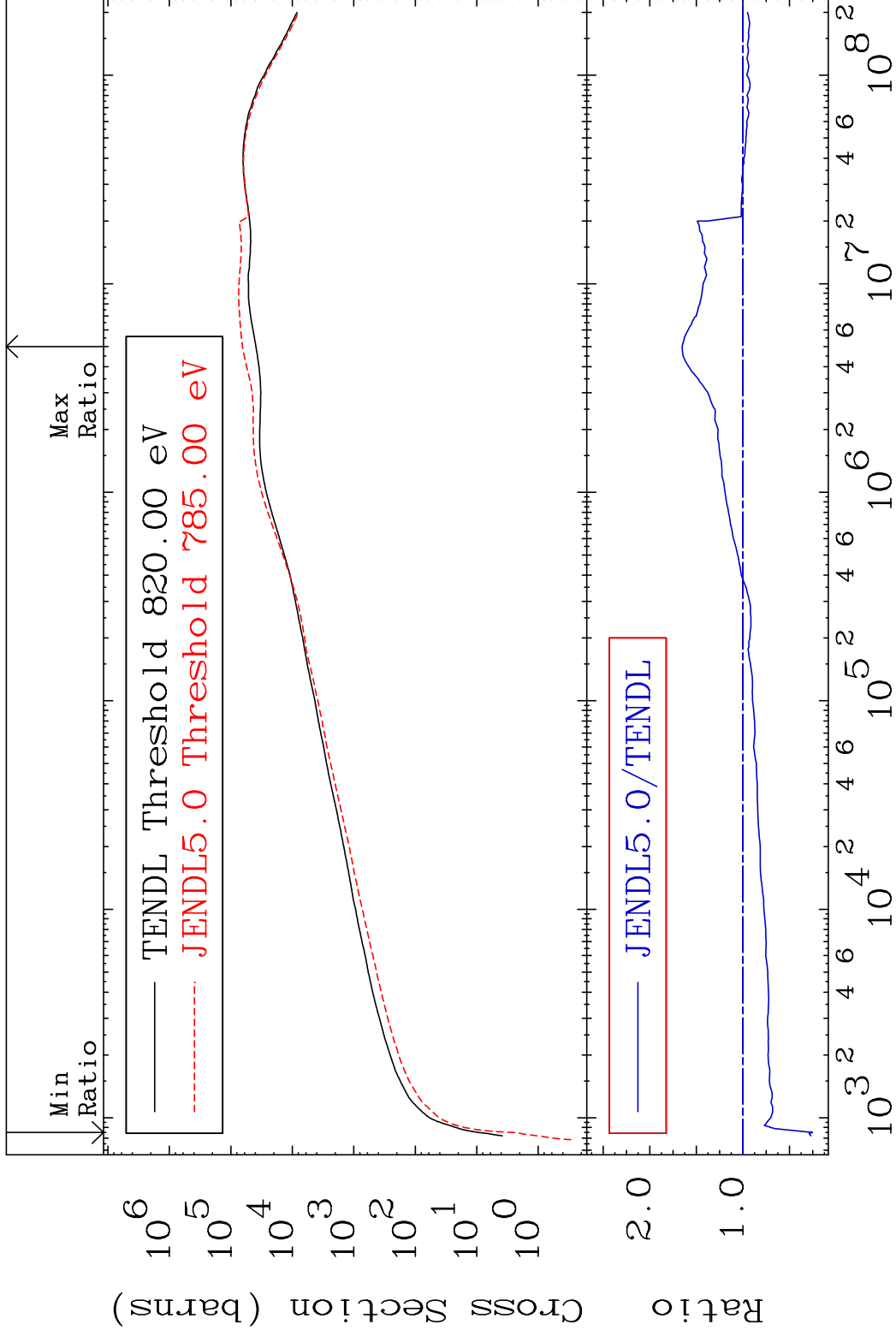
MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section

-74.76 To 65.21 %

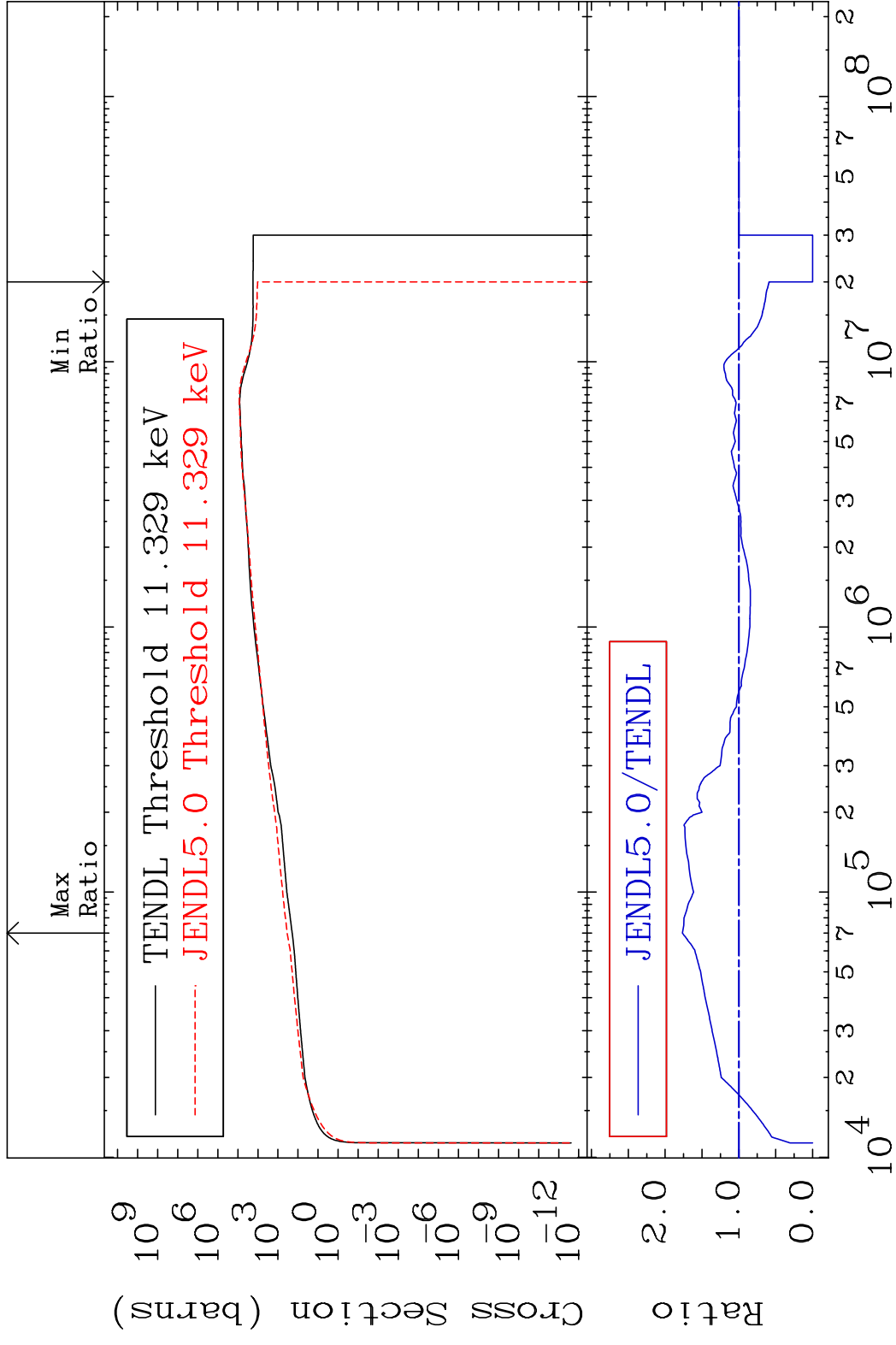


73

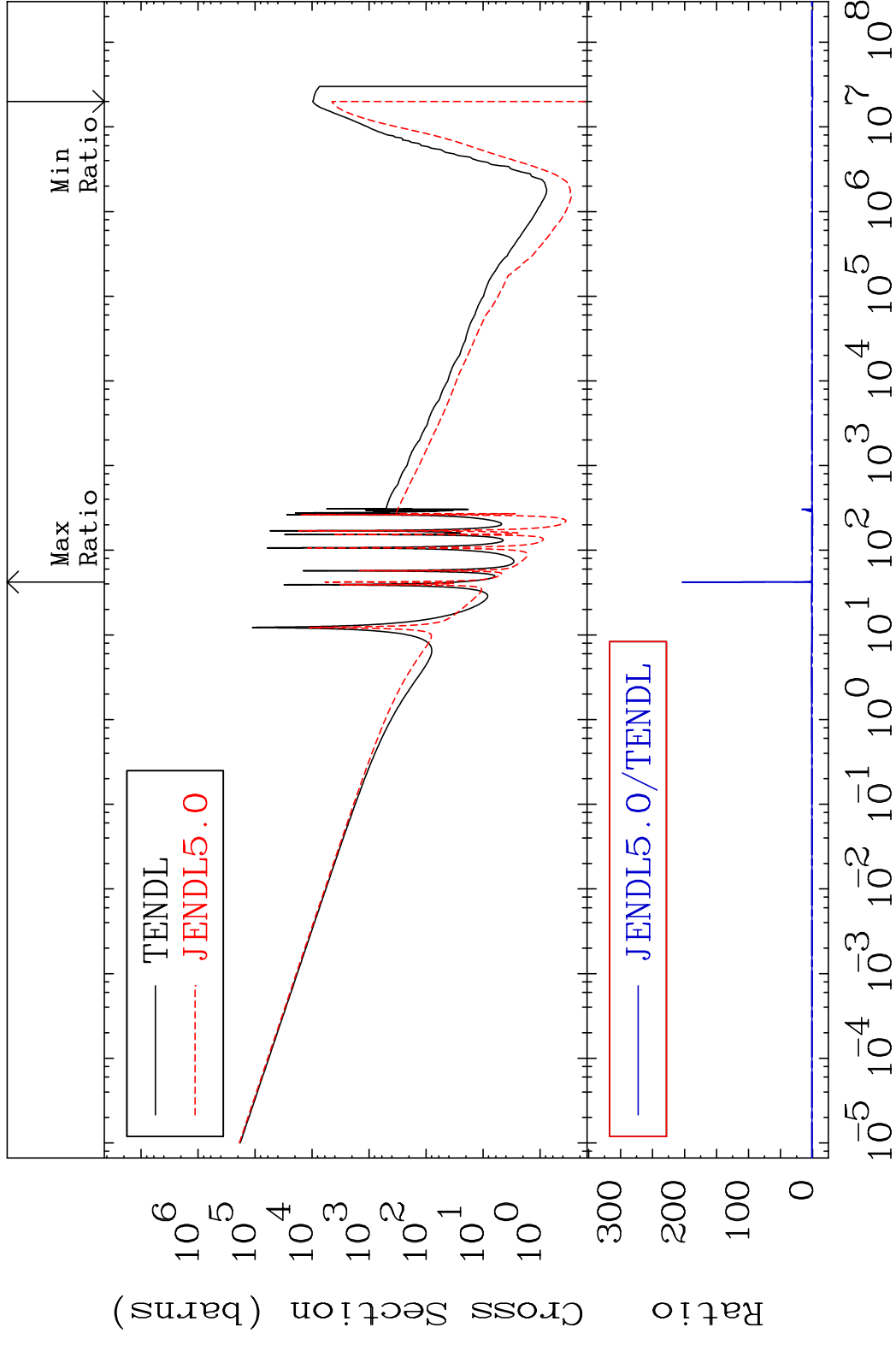
Incident Energy (eV)

55-Cs-134

MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -100.0 To 76.64 %

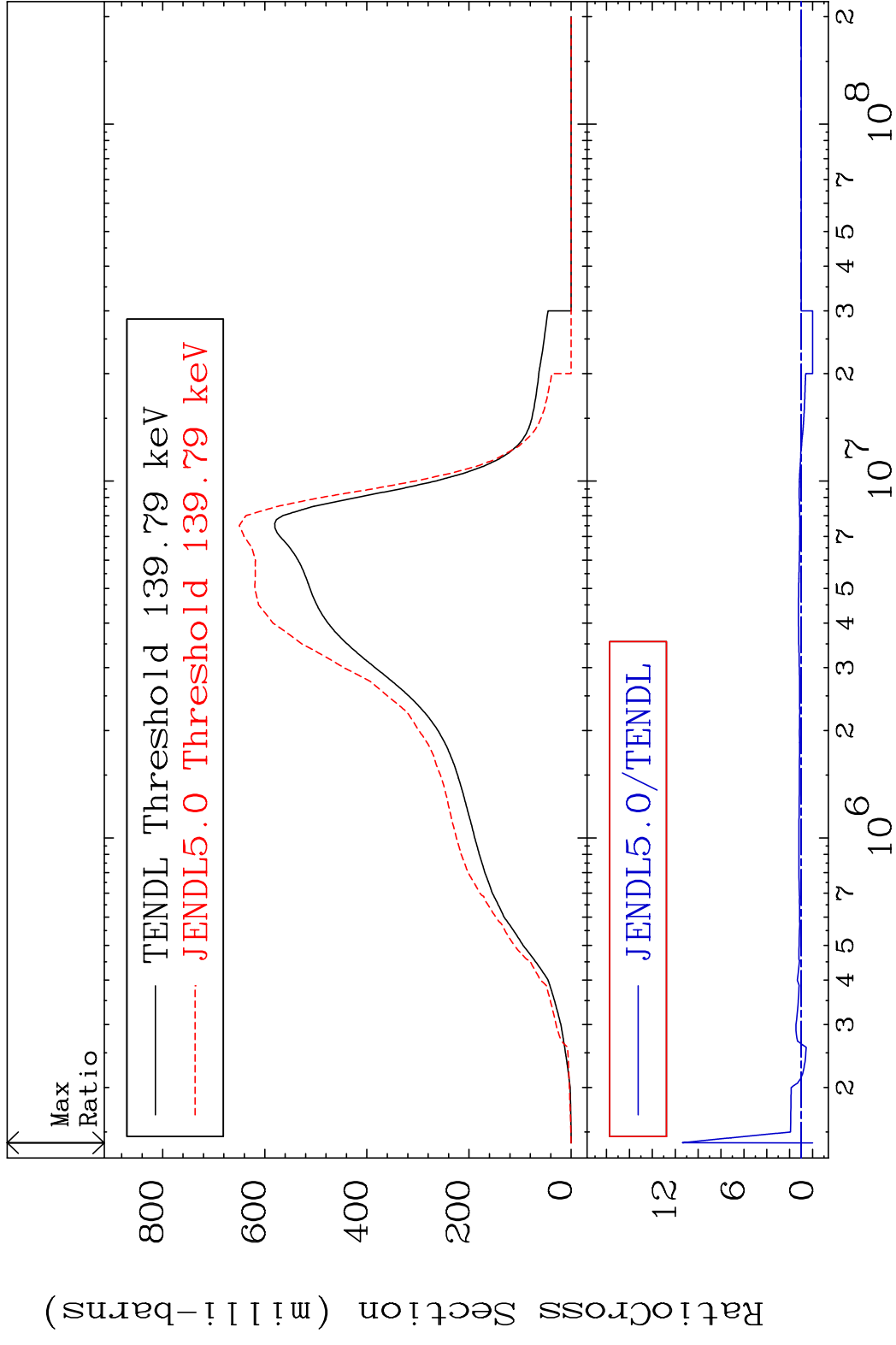


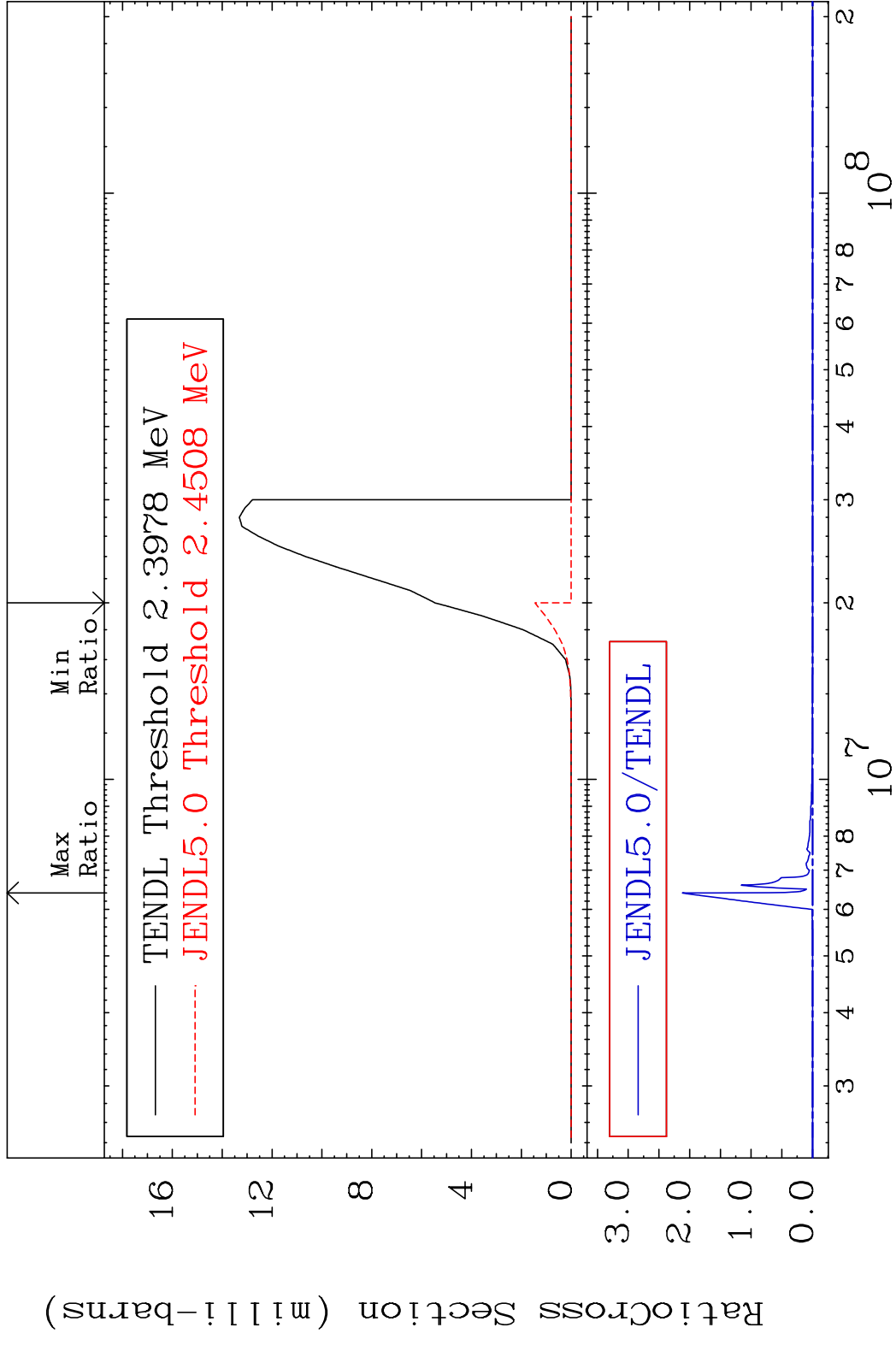
MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -100.0 To 9999. %



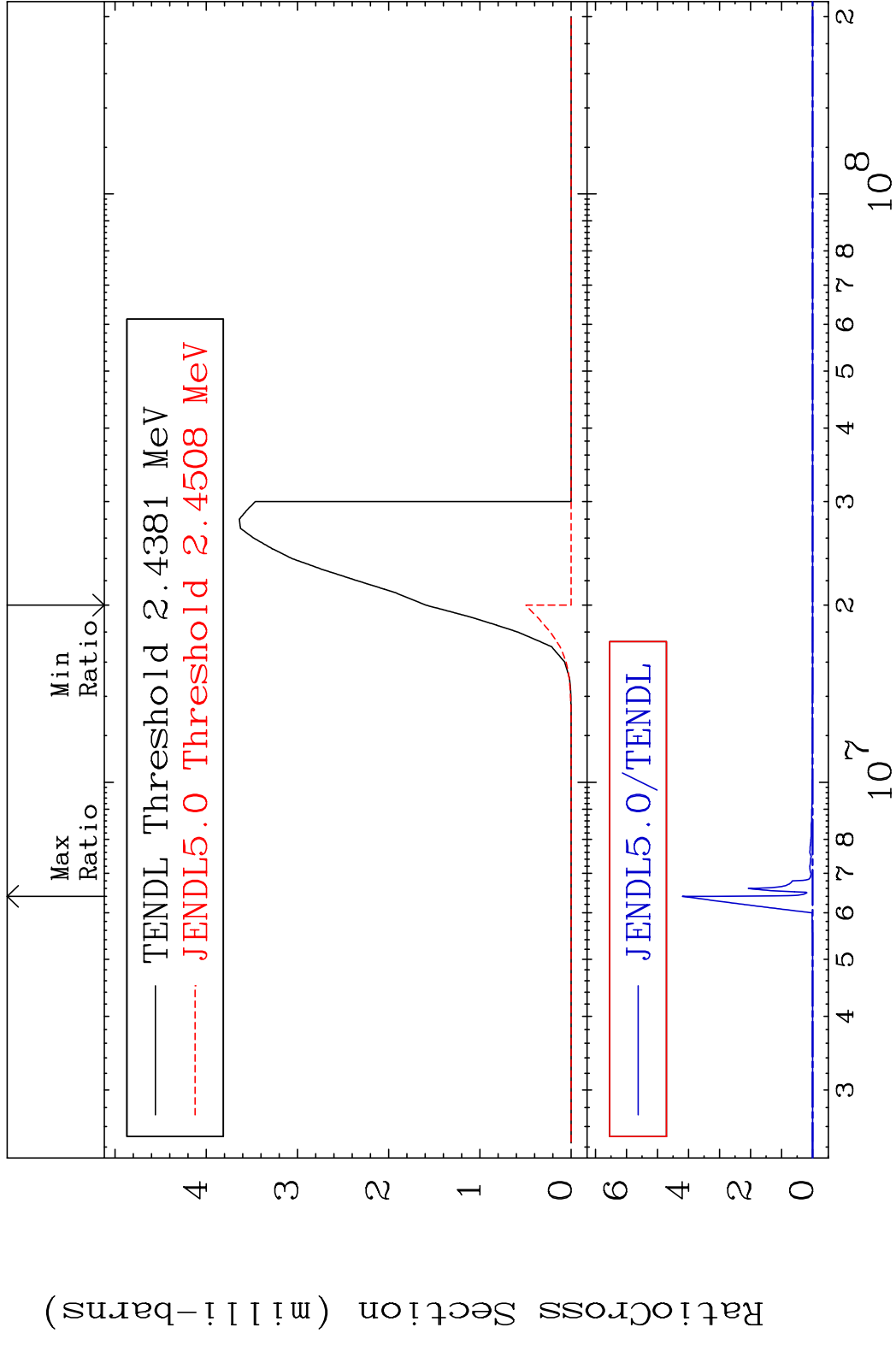
75 Incident Energy (eV) 55-Cs-134

MAT 5528 Inelastic:55-Cs-134m3 55-Cs-134
 Radionuclide Production Cross Section 100.0 to 1038. %

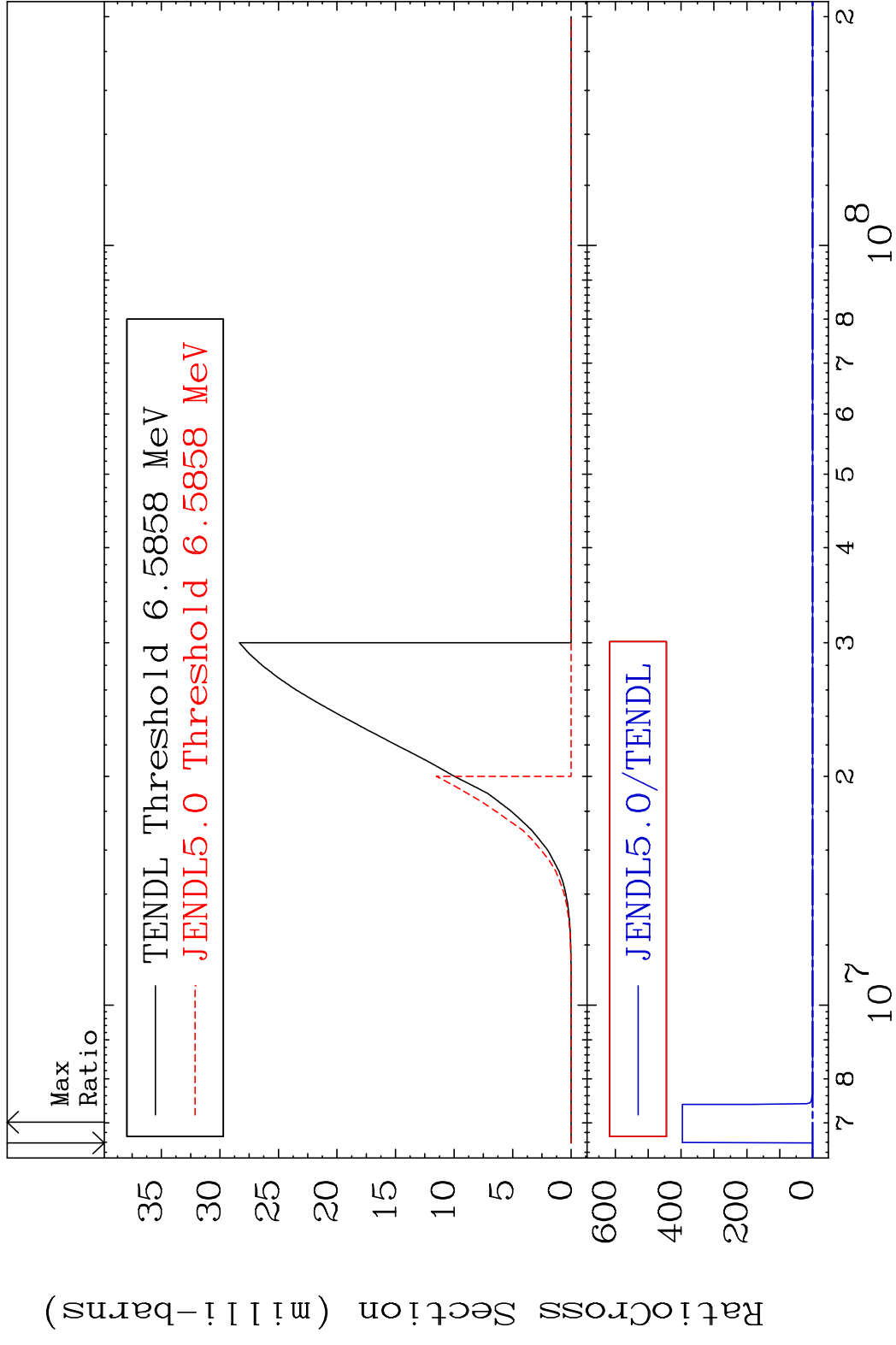




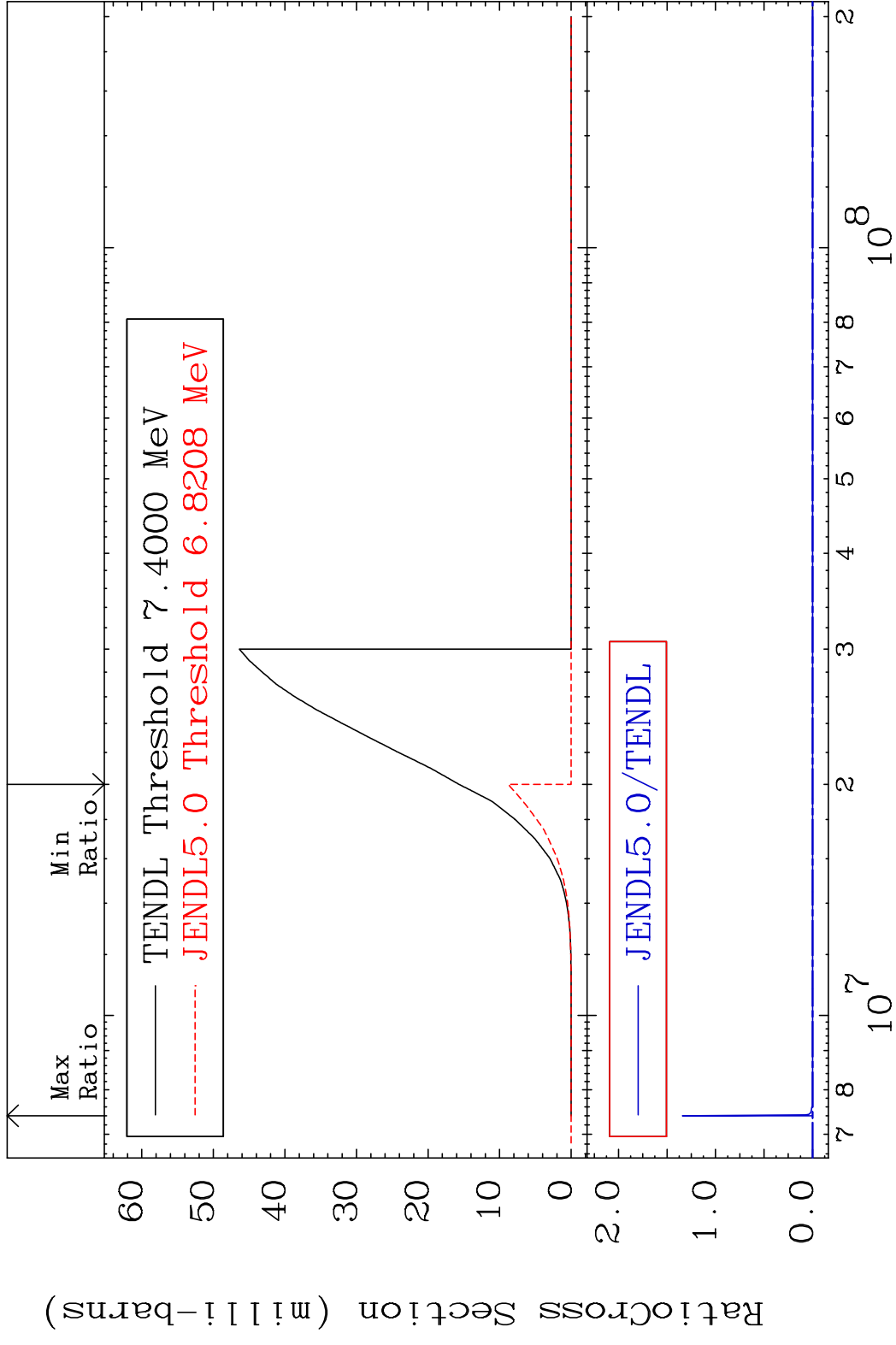
MAT 5528 (n, n') α :53-I -130m1 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

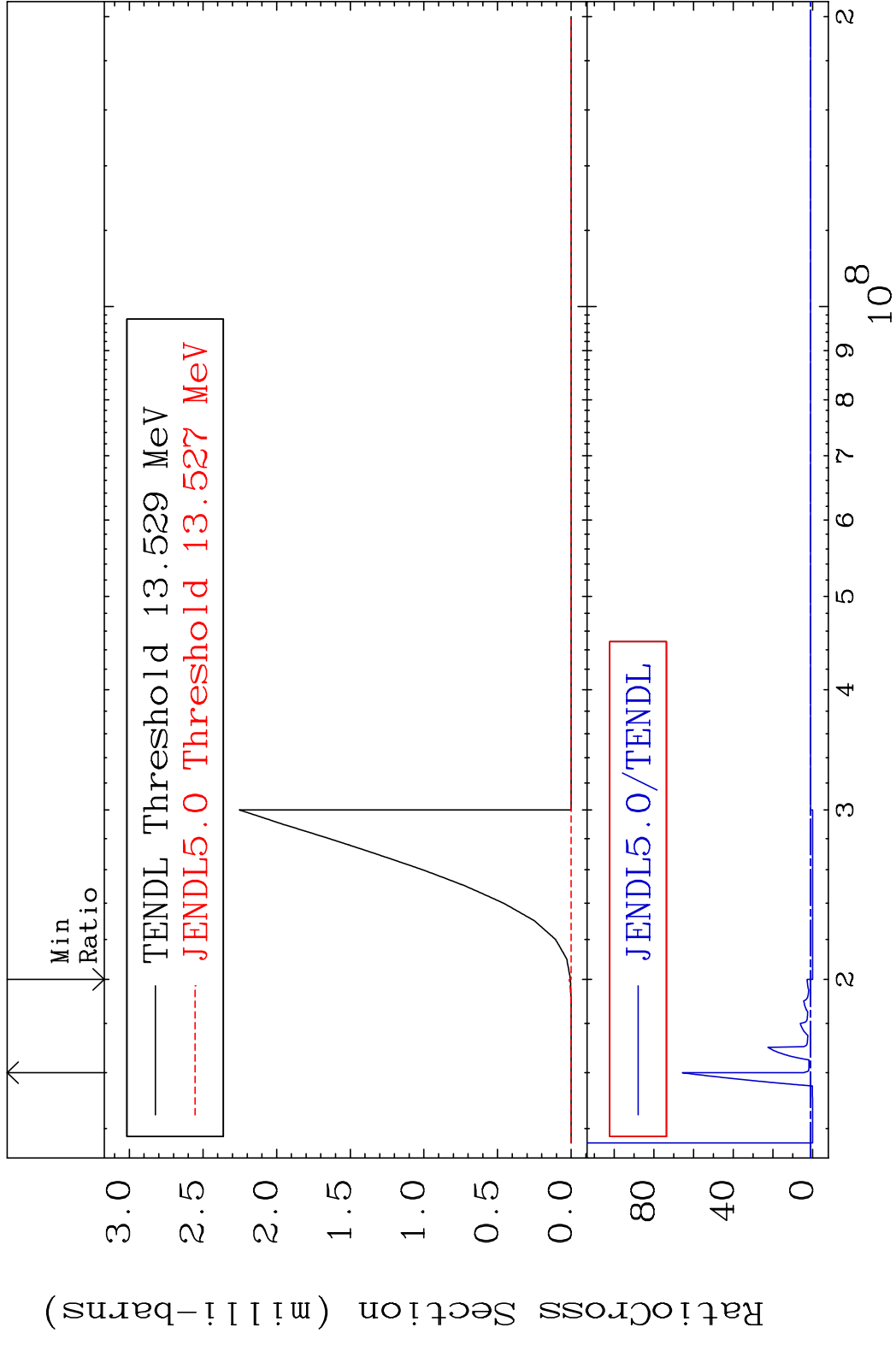


MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio

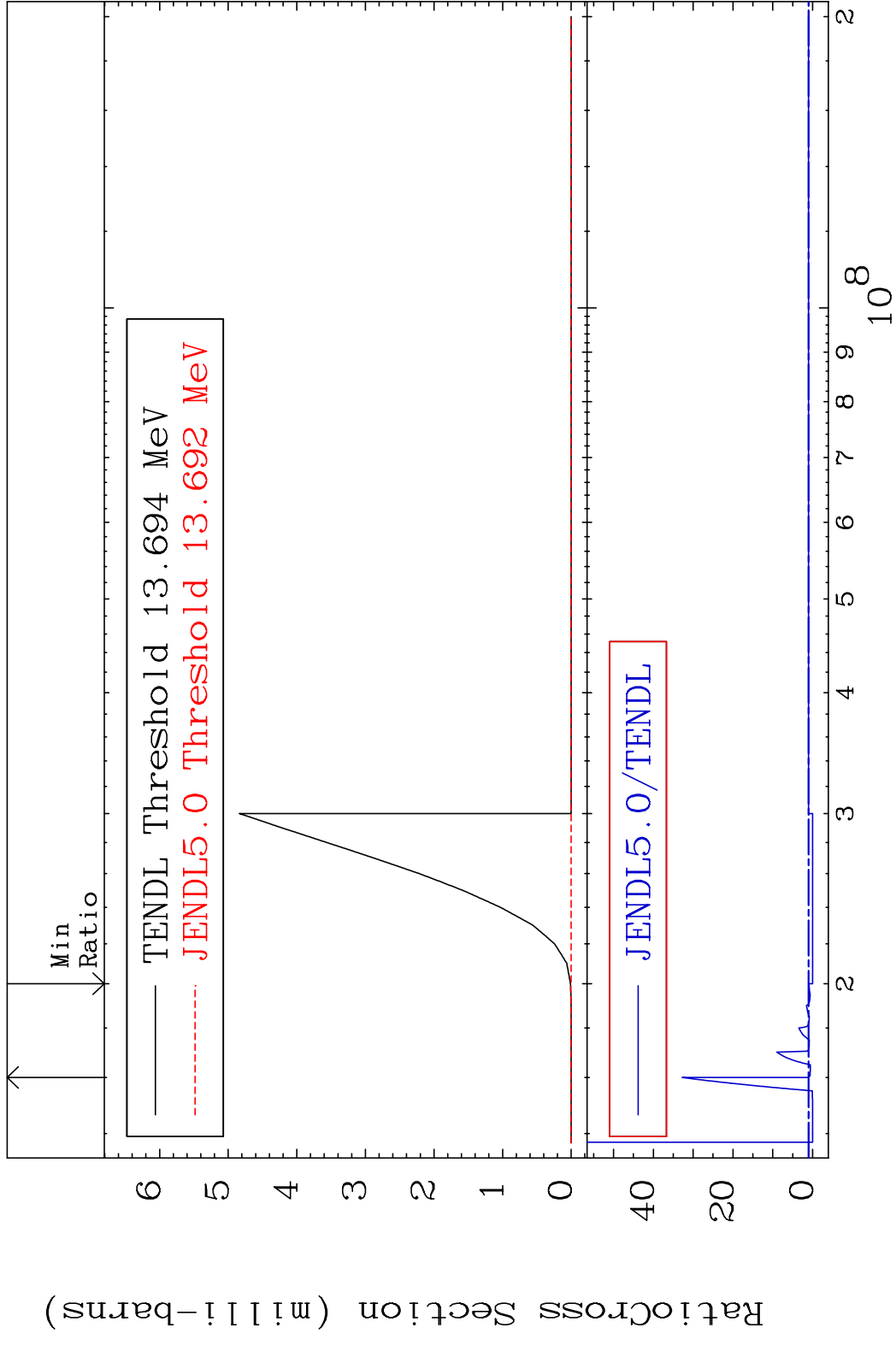


MAT 5528 (n, n') p:54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section Ratio

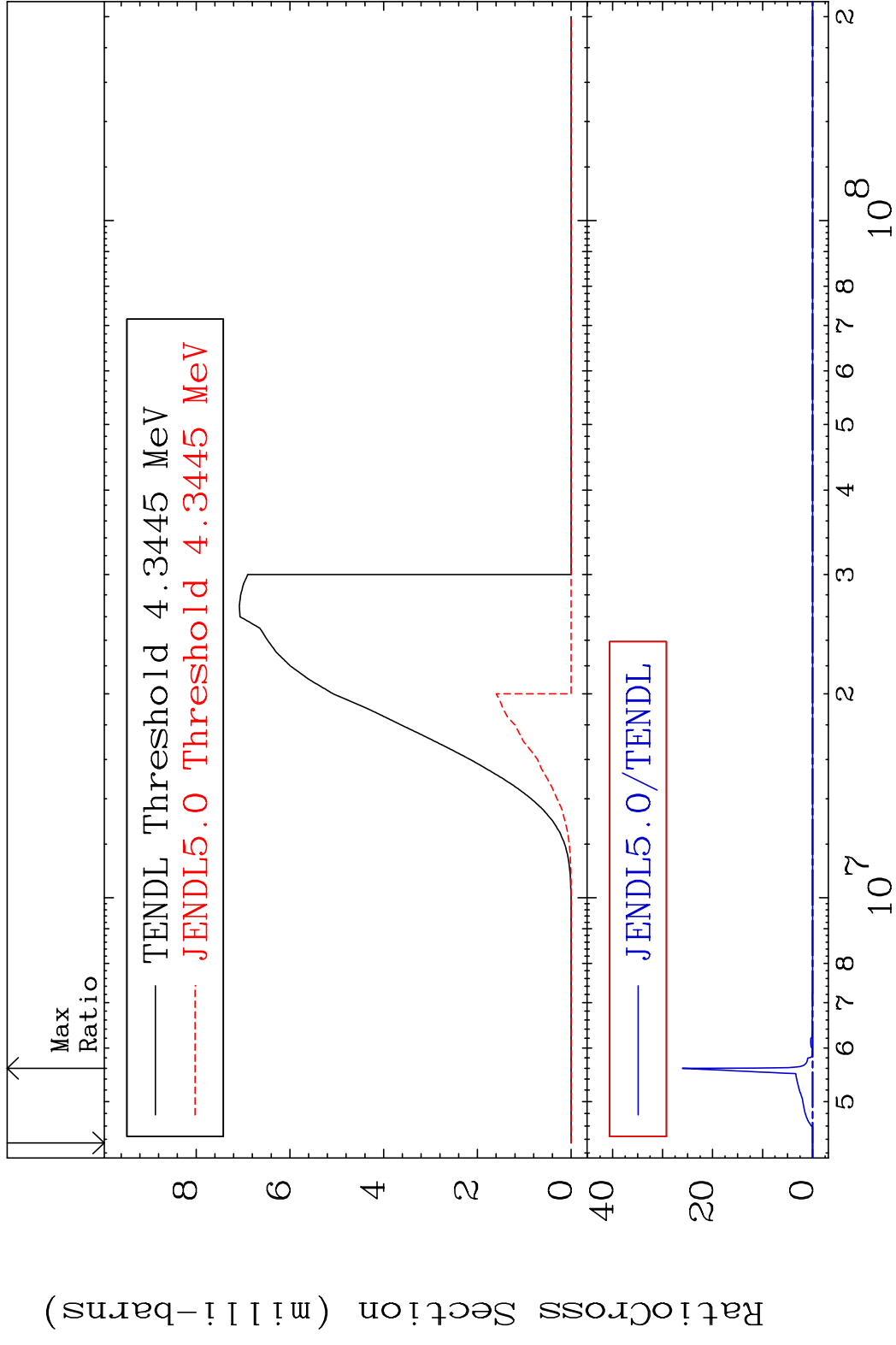




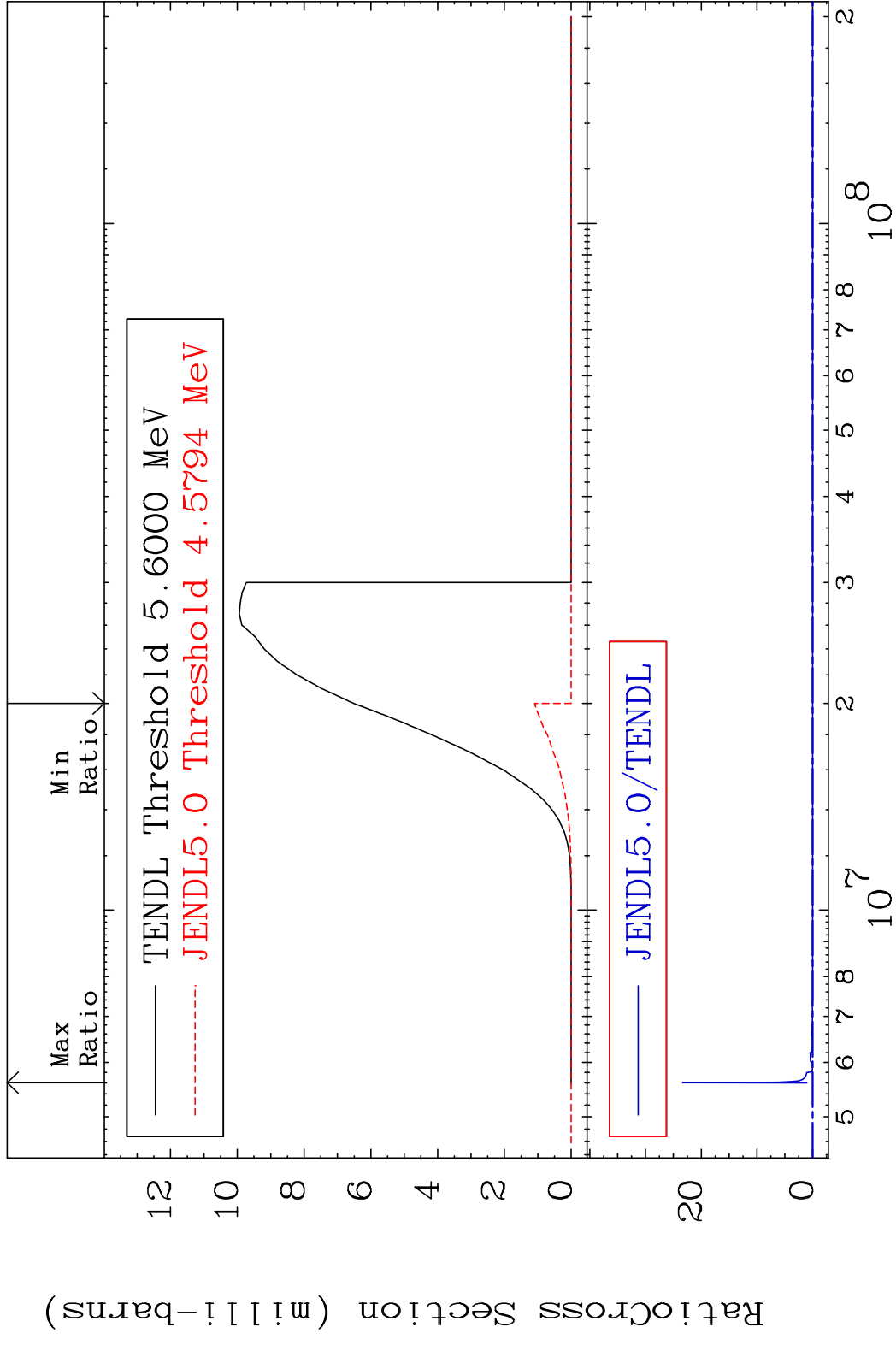
MAT 5528 (n, n') t:54-Xe-131m2 55-Cs-134
 Radionuclide Production Cross Section Ratio 3171. %



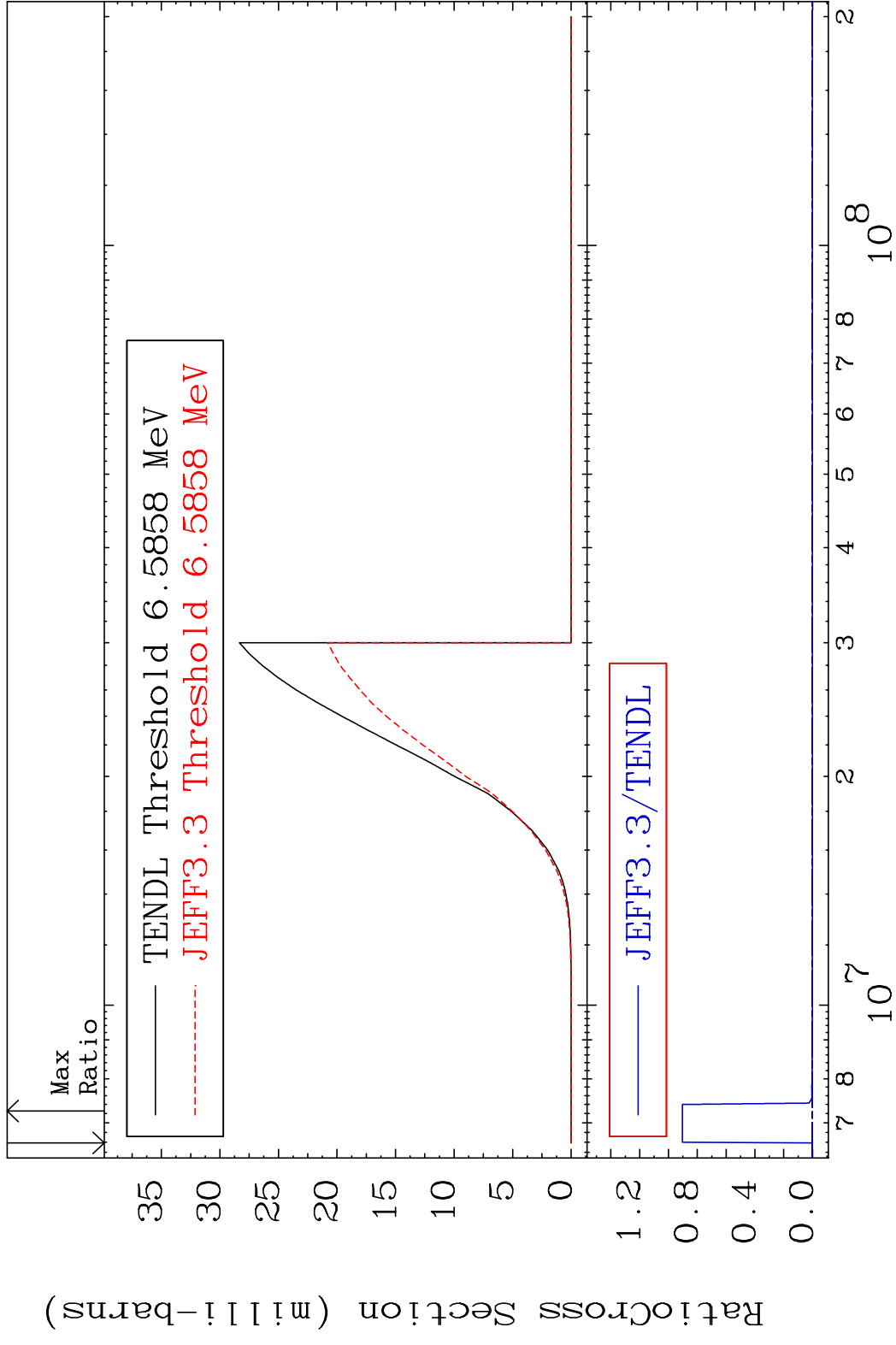
MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section (%) 9999. %

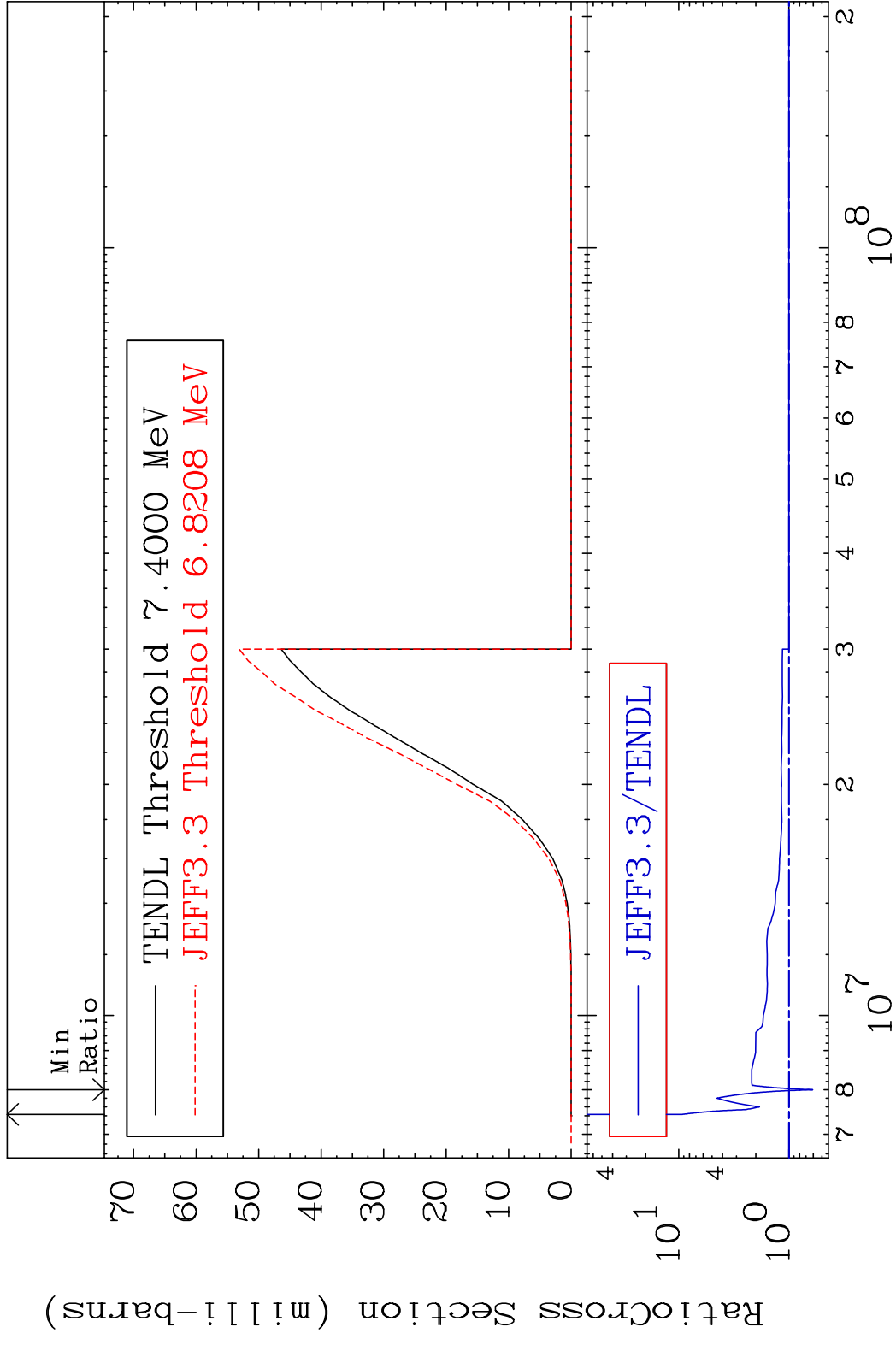


MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section (%)

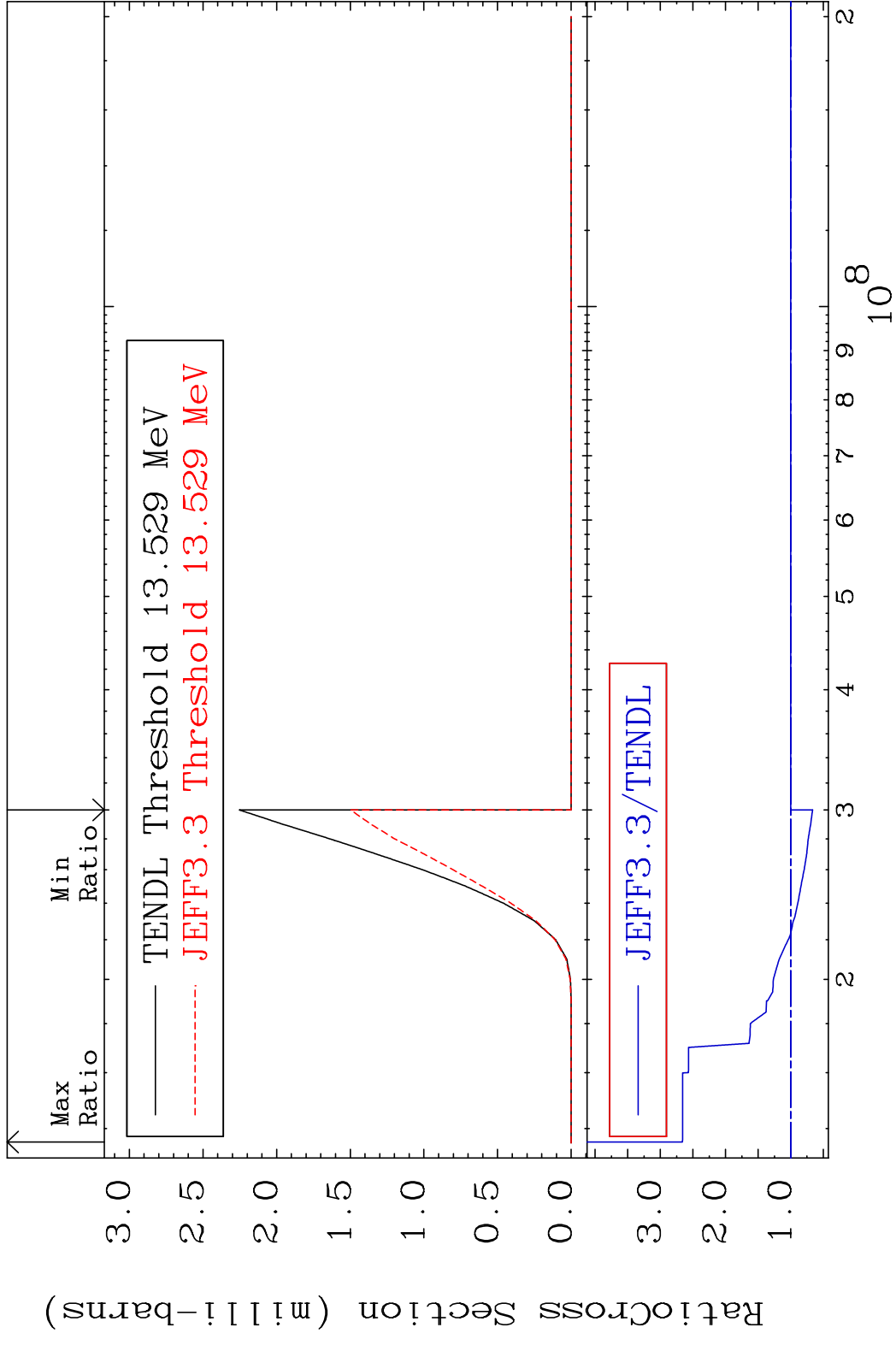


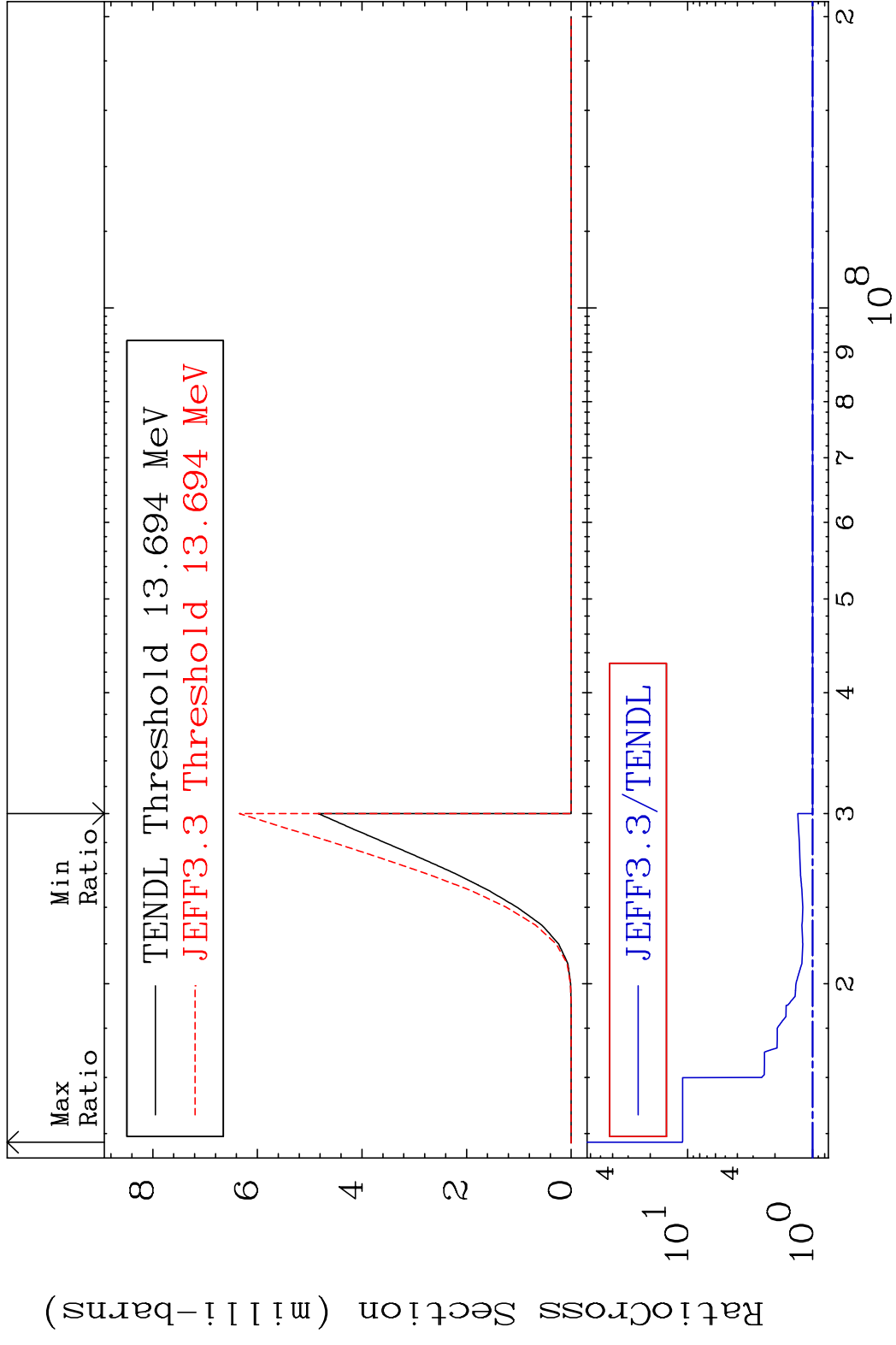
MAT 5528 (n, n') p:54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

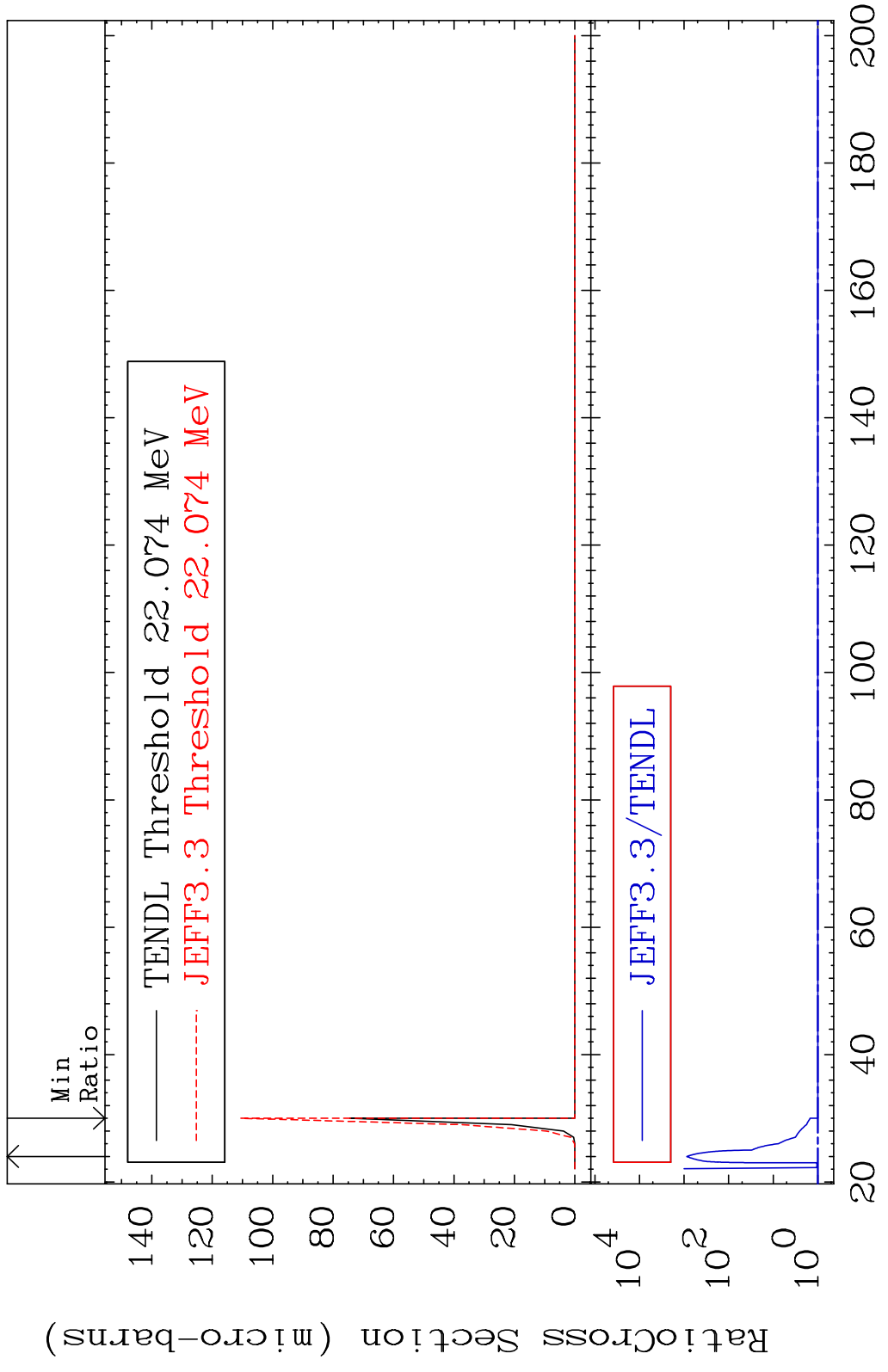




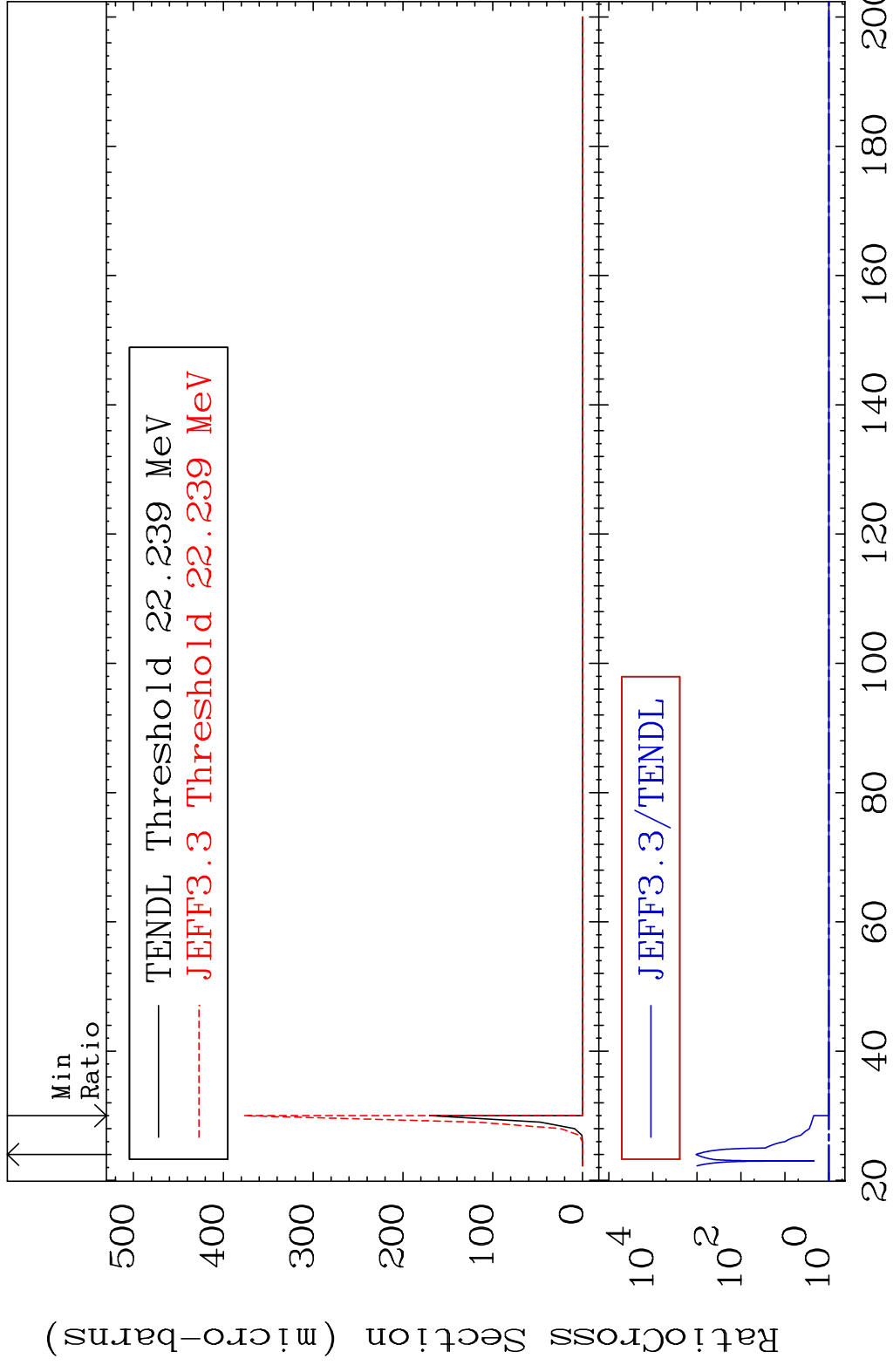
MAT 5528 (n, n') t:54-Xe-131g 55-Cs-134
 Radionuclide Production Cross Section 166.2 %



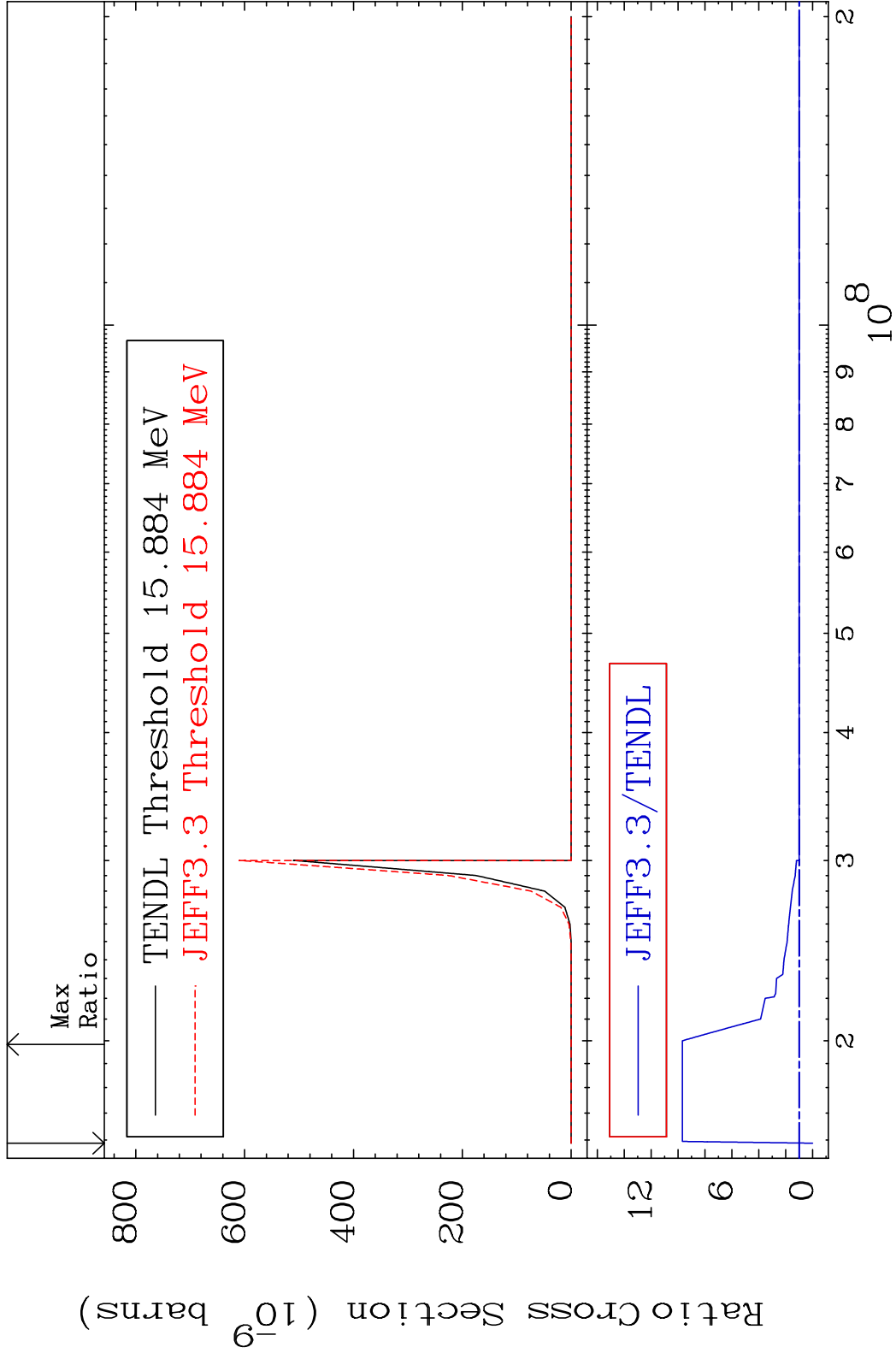


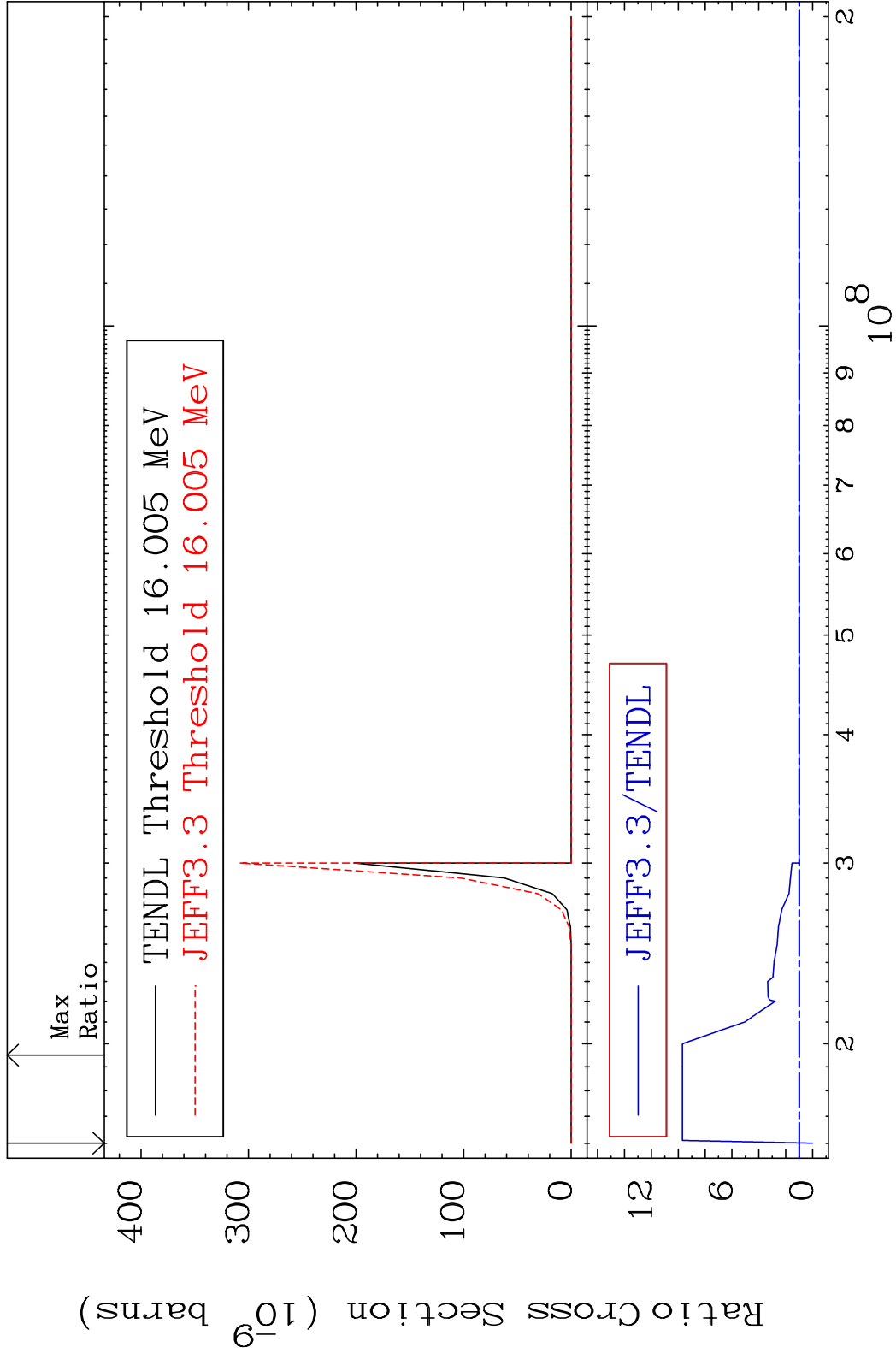


MAT 5528 (n,3n) p:54-Xe-131m2 55-Cs-134
 Radionuclide Production Cross Section, %

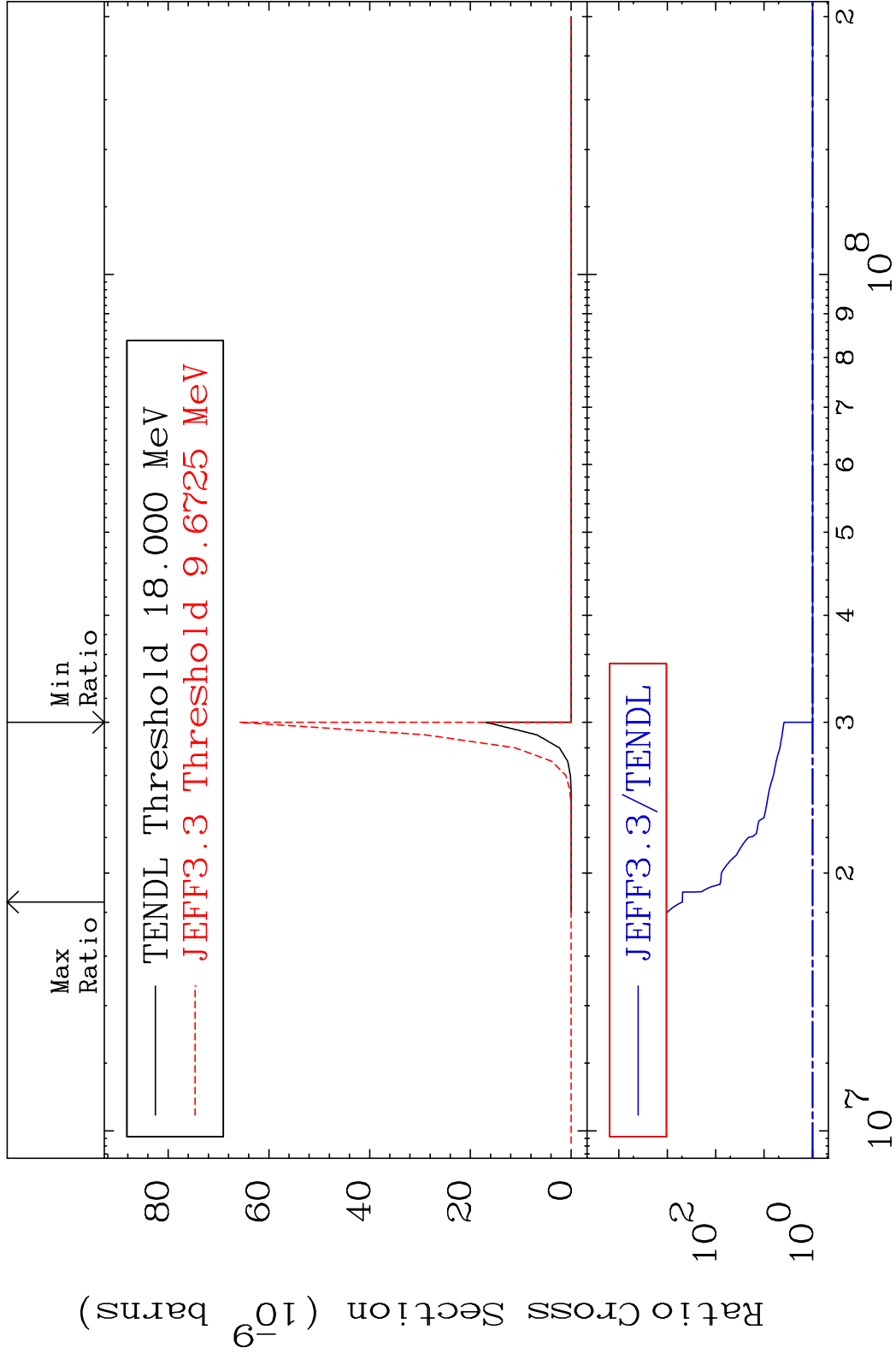


90 Incident Energy (MeV) 55-Cs-134



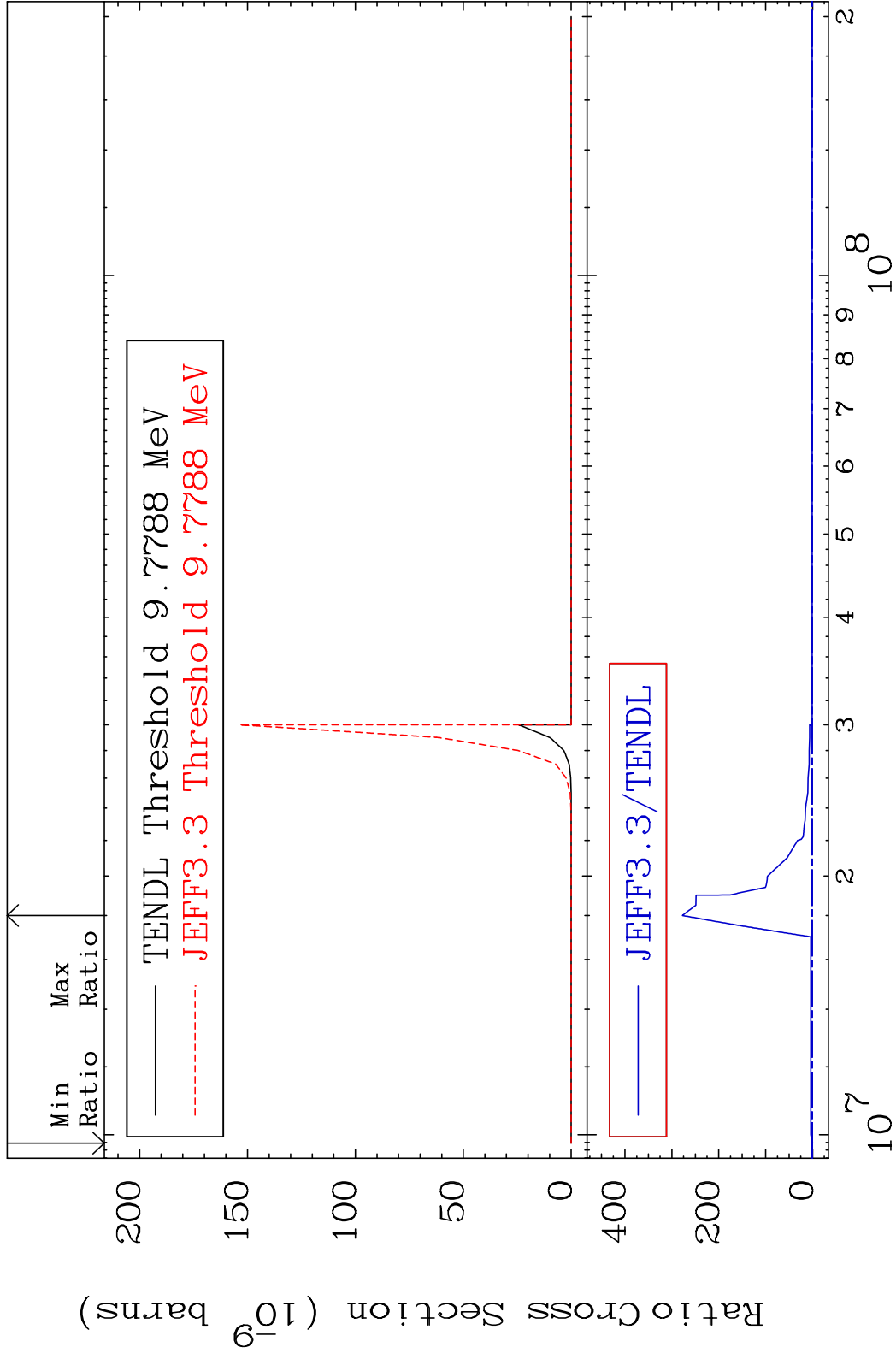


MAT 5528 (n, n') p α :52-Te-129g 55-Cs-134
 Radionuclide Production Cross Section, %



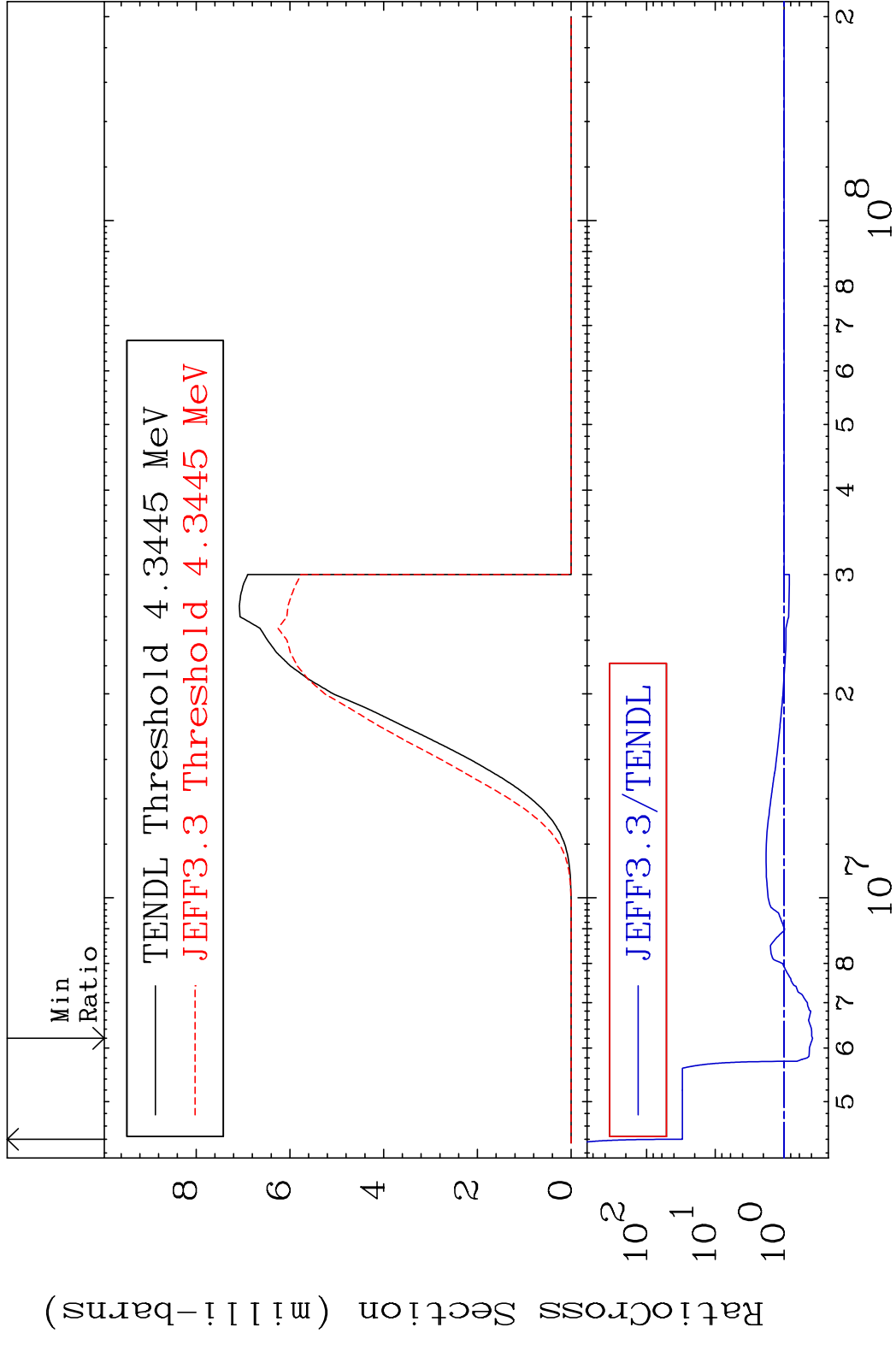
93 Incident Energy (eV) 55-Cs-134

MAT 5528 (n, n') p α:52-Te-129m1 55-Cs-134
 Radionuclide Production Cross Section to 9999. %

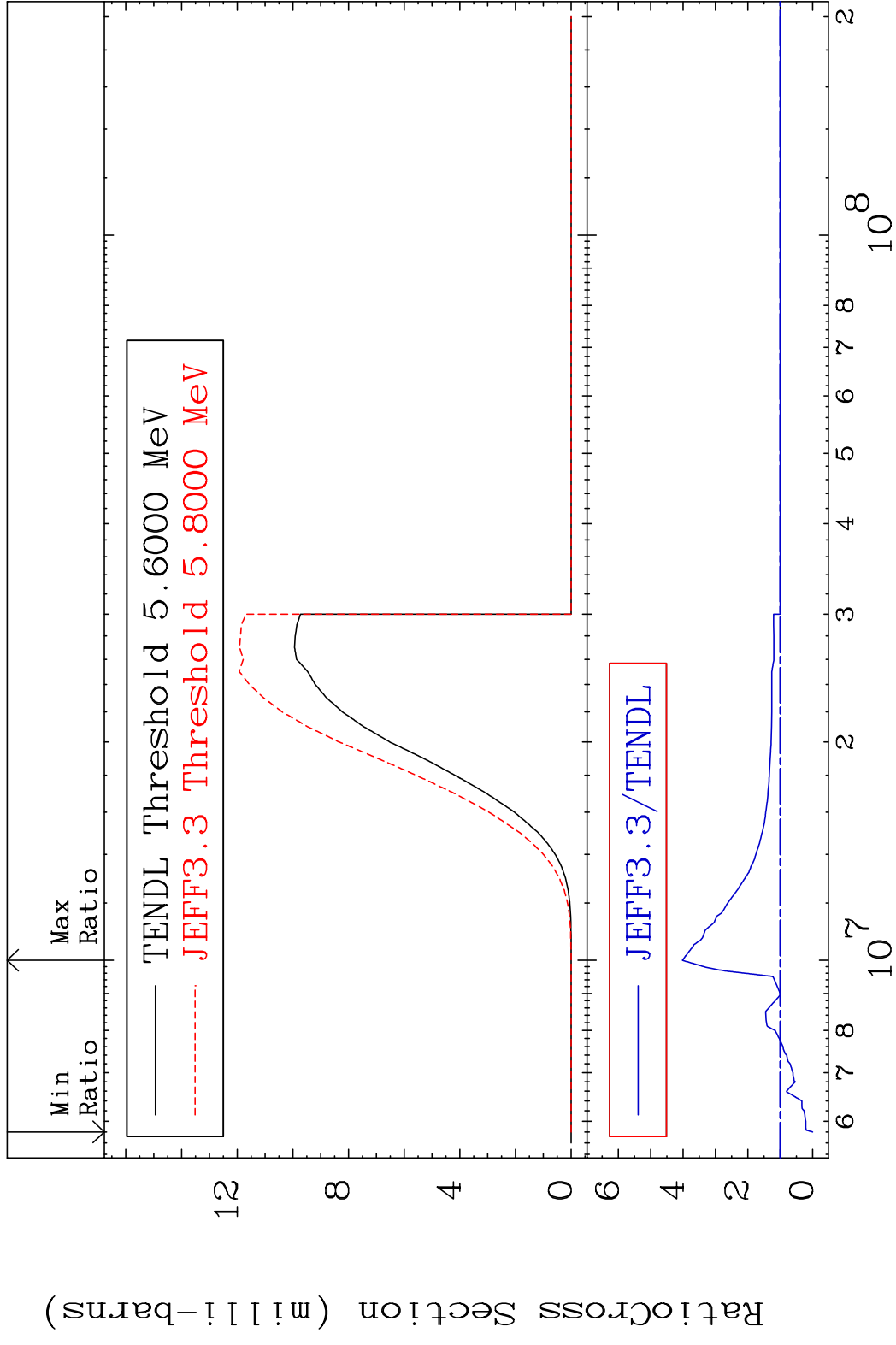


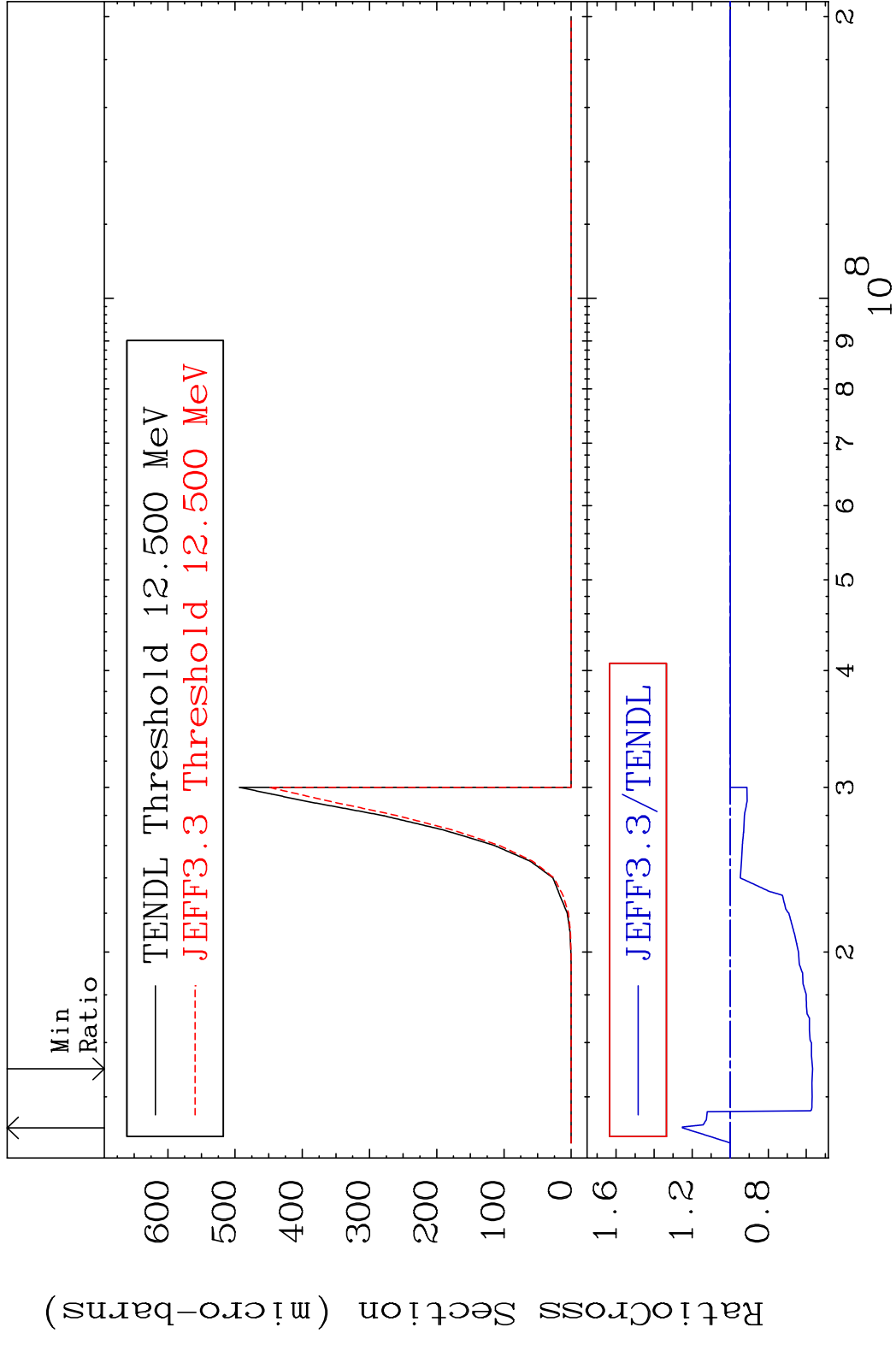
94 Incident Energy (eV) 55-Cs-134

MAT 5528 (n,d):54-Xe-133g 55-Cs-134
 Radionuclide Production Cross Section 2914. %

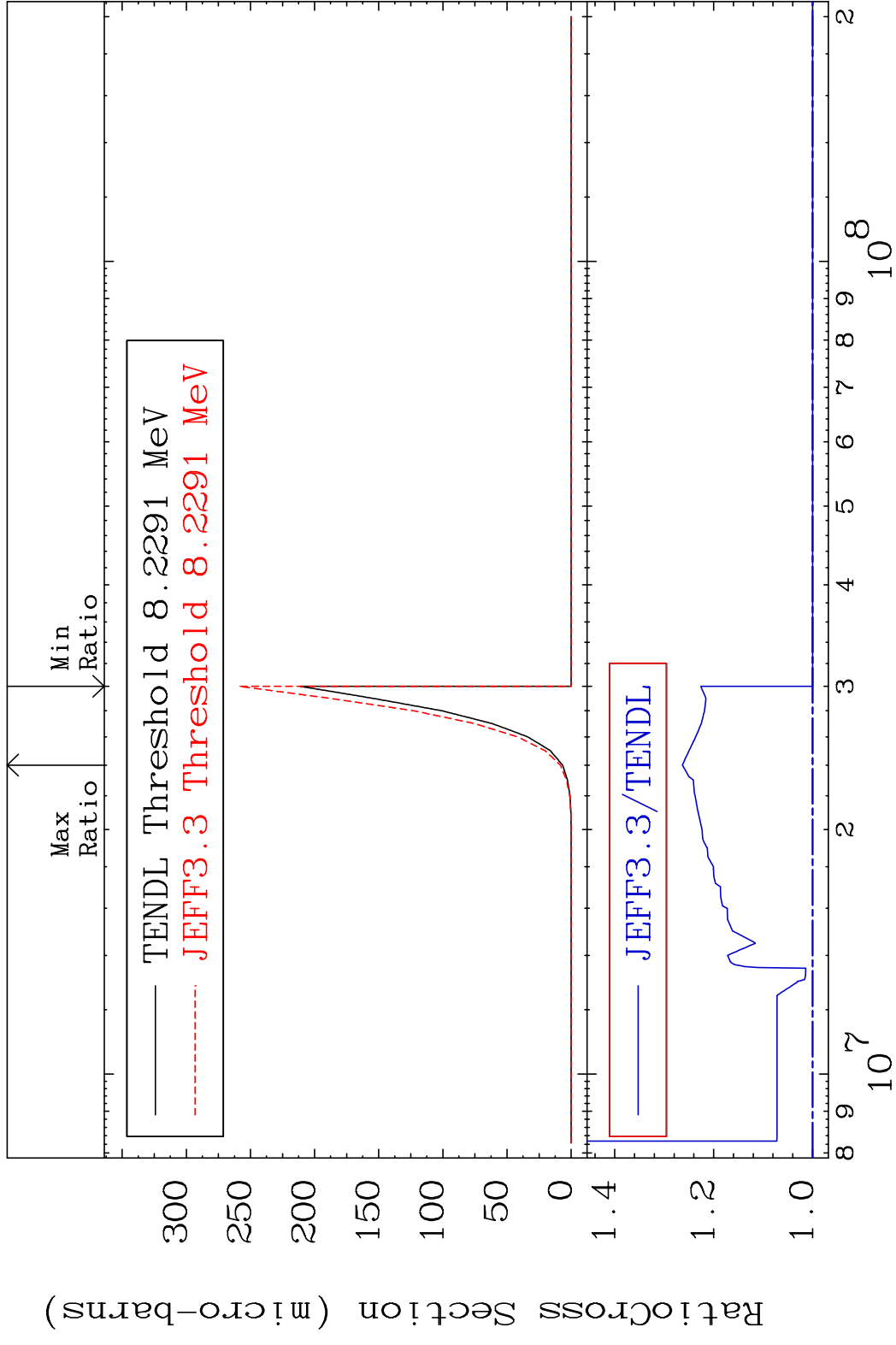


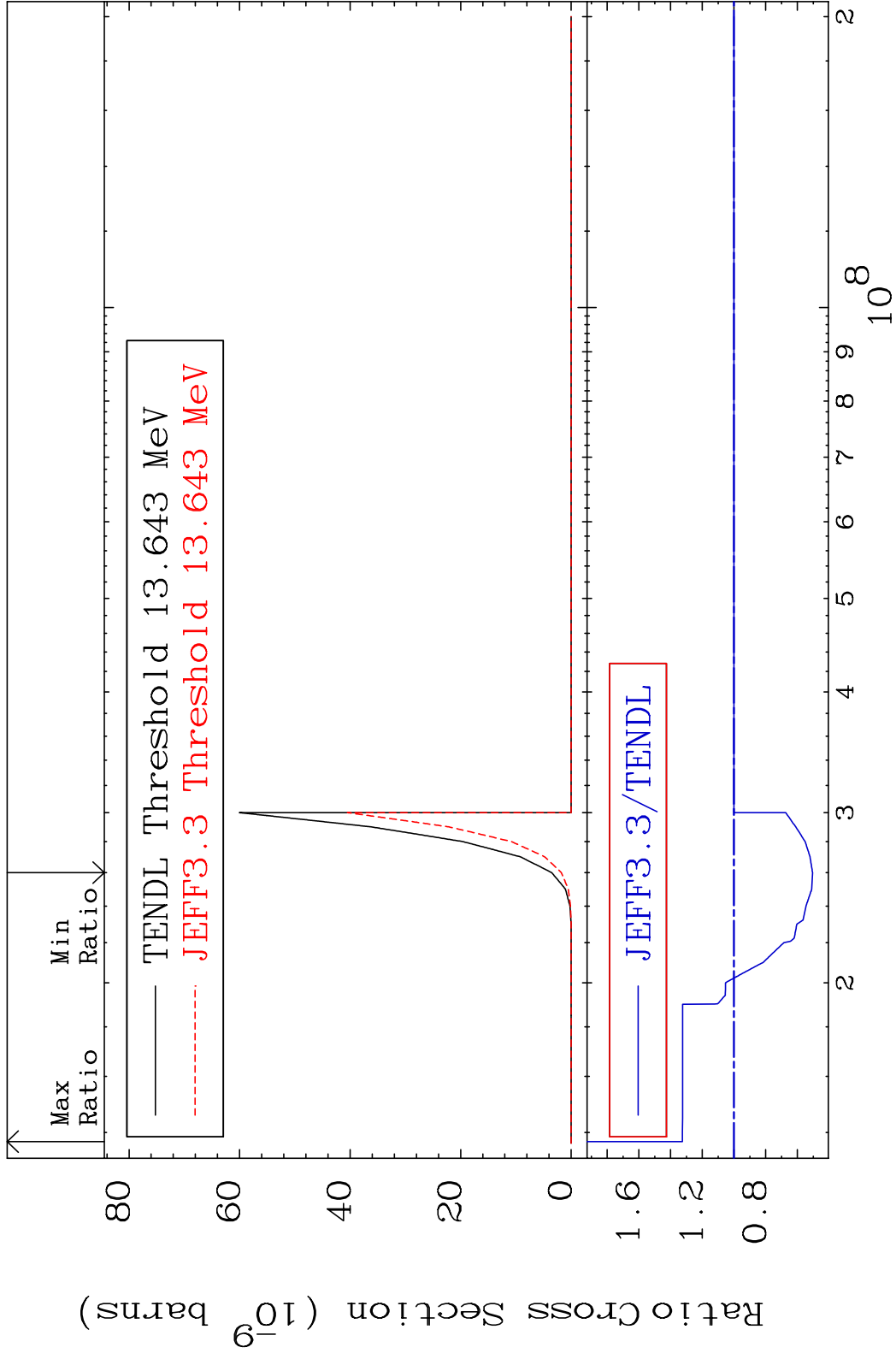
MAT 5528 (n, d):54-Xe-133m1 55-Cs-134
 Radionuclide Production Cross Section 100.0% 302.3 %



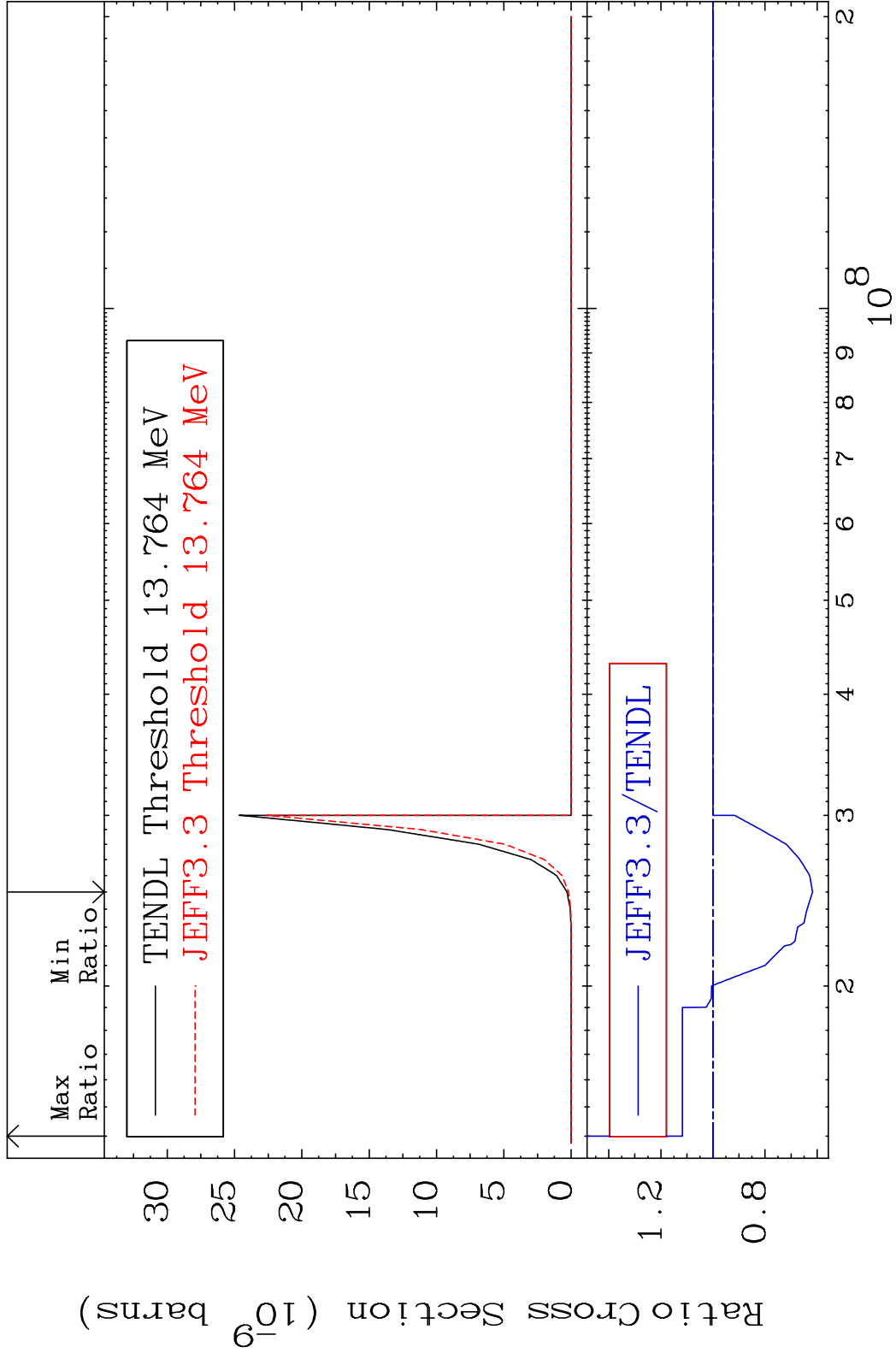


MAT 5528 (n, He-3):53-I -132m3 55-Cs-134
 Radionuclide Production Cross Section 26.33 %



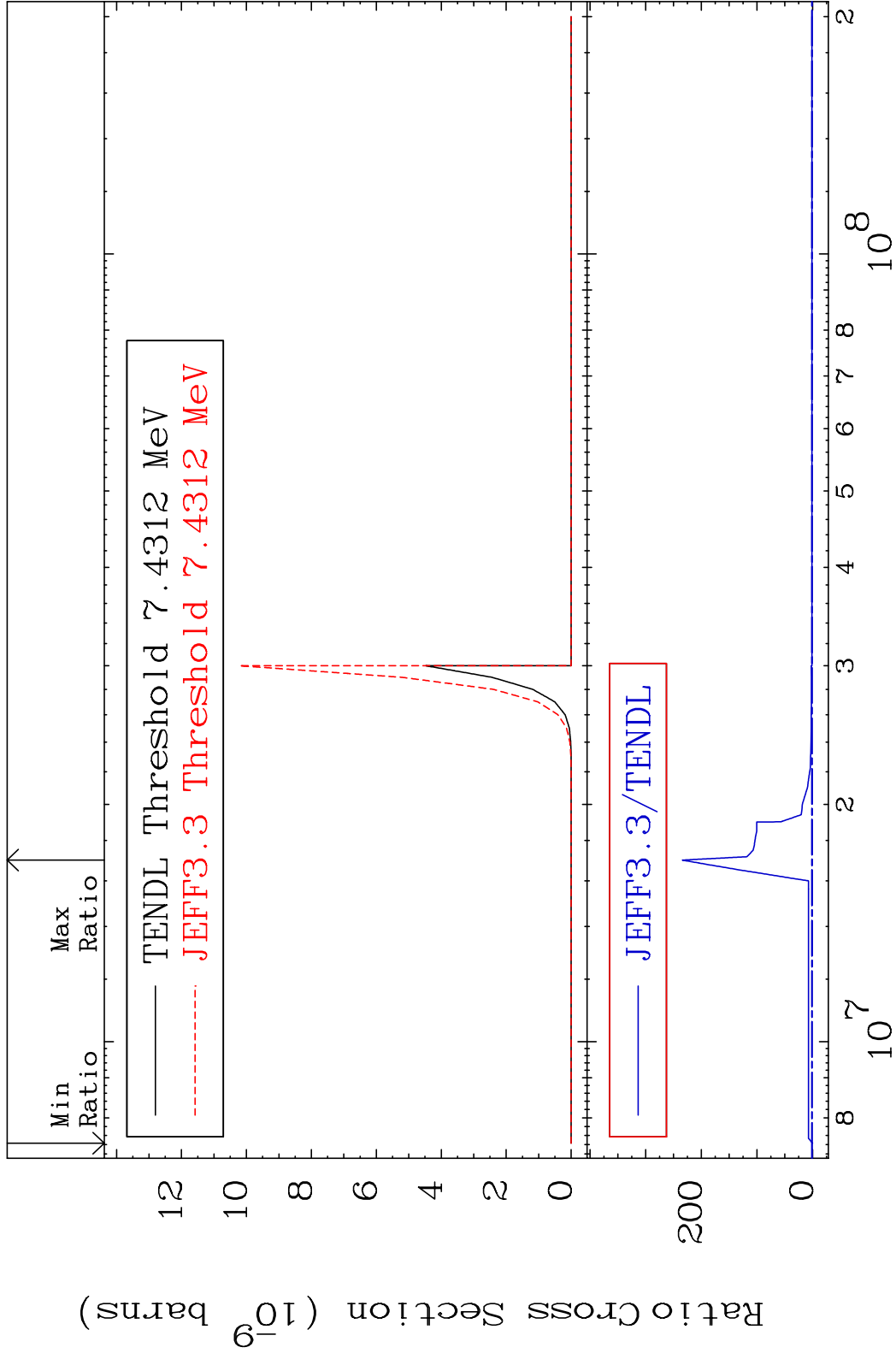


MAT 5528 (n,p) d:53-I -132m3 55-Cs-134
 Radionuclide Production Cross Section 38.261 d/o 11.75 %



100 Incident Energy (eV) 55-Cs-134

MAT 5528 (n, d) α :52-Te-129g 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5528 (n,d) α :52-Te-129m1 55-Cs-134
 Radionuclide Production Cross Section Ratio 9999. %

