

Program Complot
(Version 2021-1)

by

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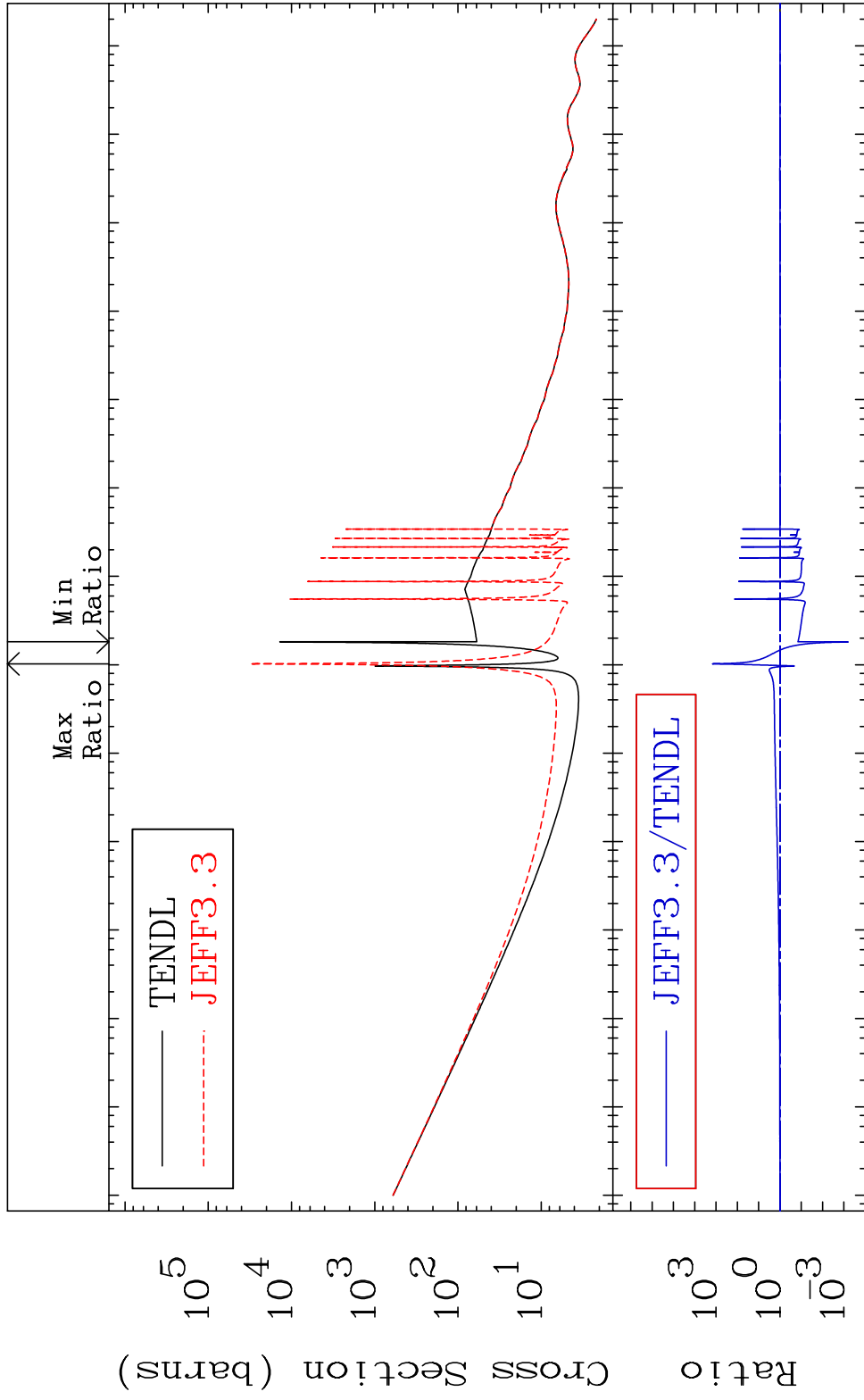
Press Mouse Button to Start

MAT 5534

Total

55-Cs-136

Cross Section -99.94 To 9999. %



1

Incident Energy (eV)

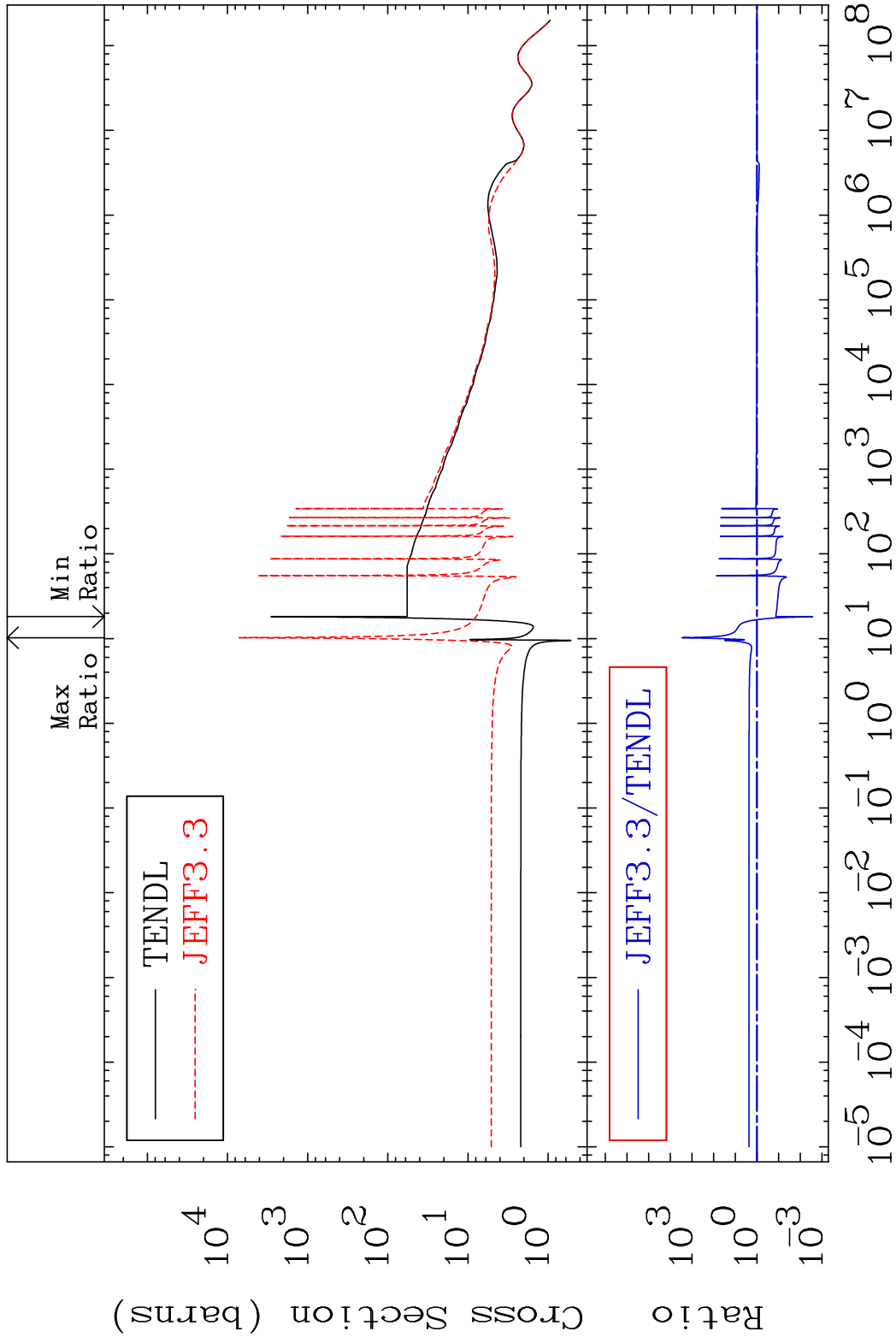
55-Cs-136

MAT 5534

Elastic

55-Cs-136

Cross Section -99.73 To 9999. %



2

Incident Energy (eV)

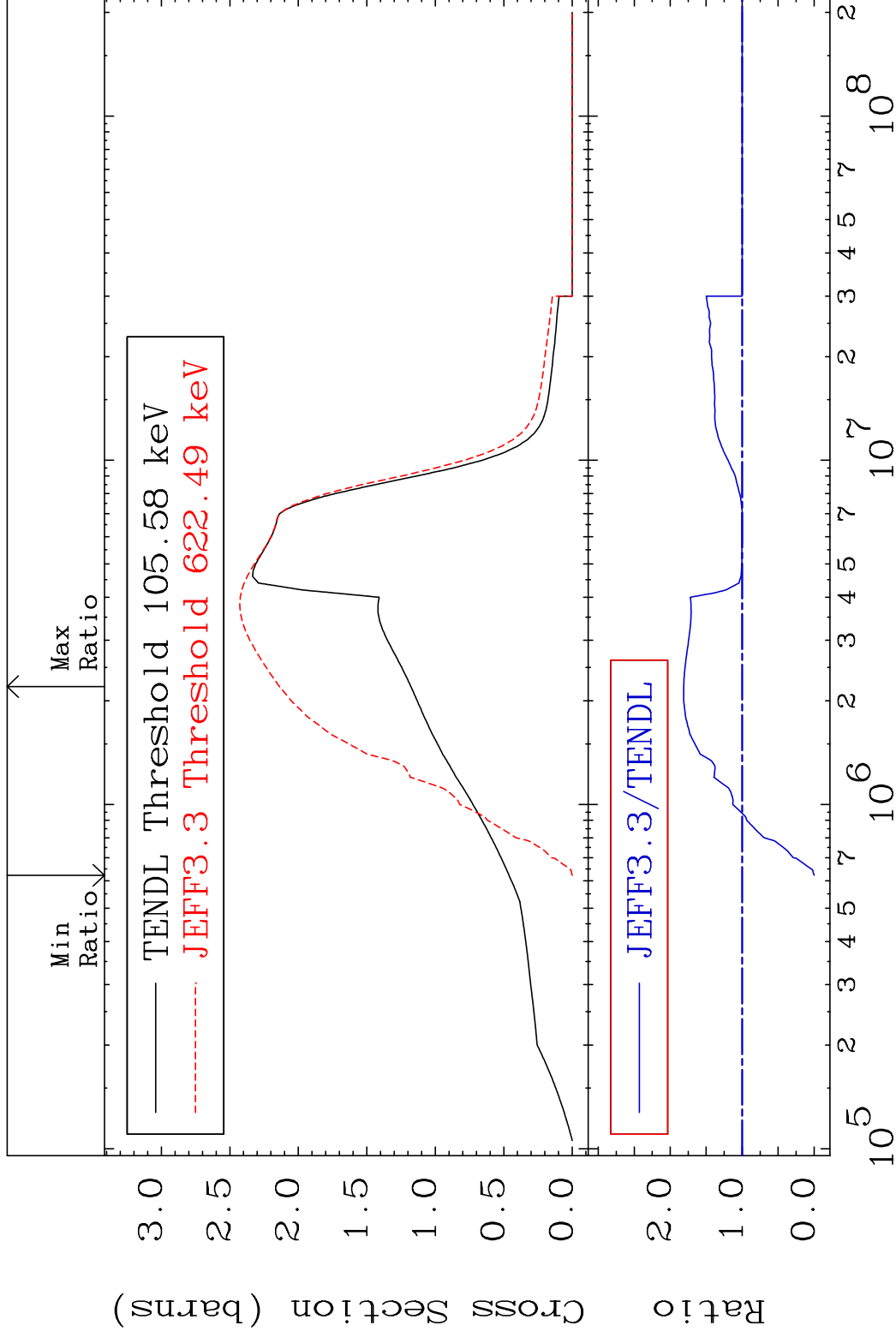
55-Cs-136

MAT 5534

Inelastic

55-Cs-136

Cross Section -100.0 To 81.30 %



3

Incident Energy (eV)

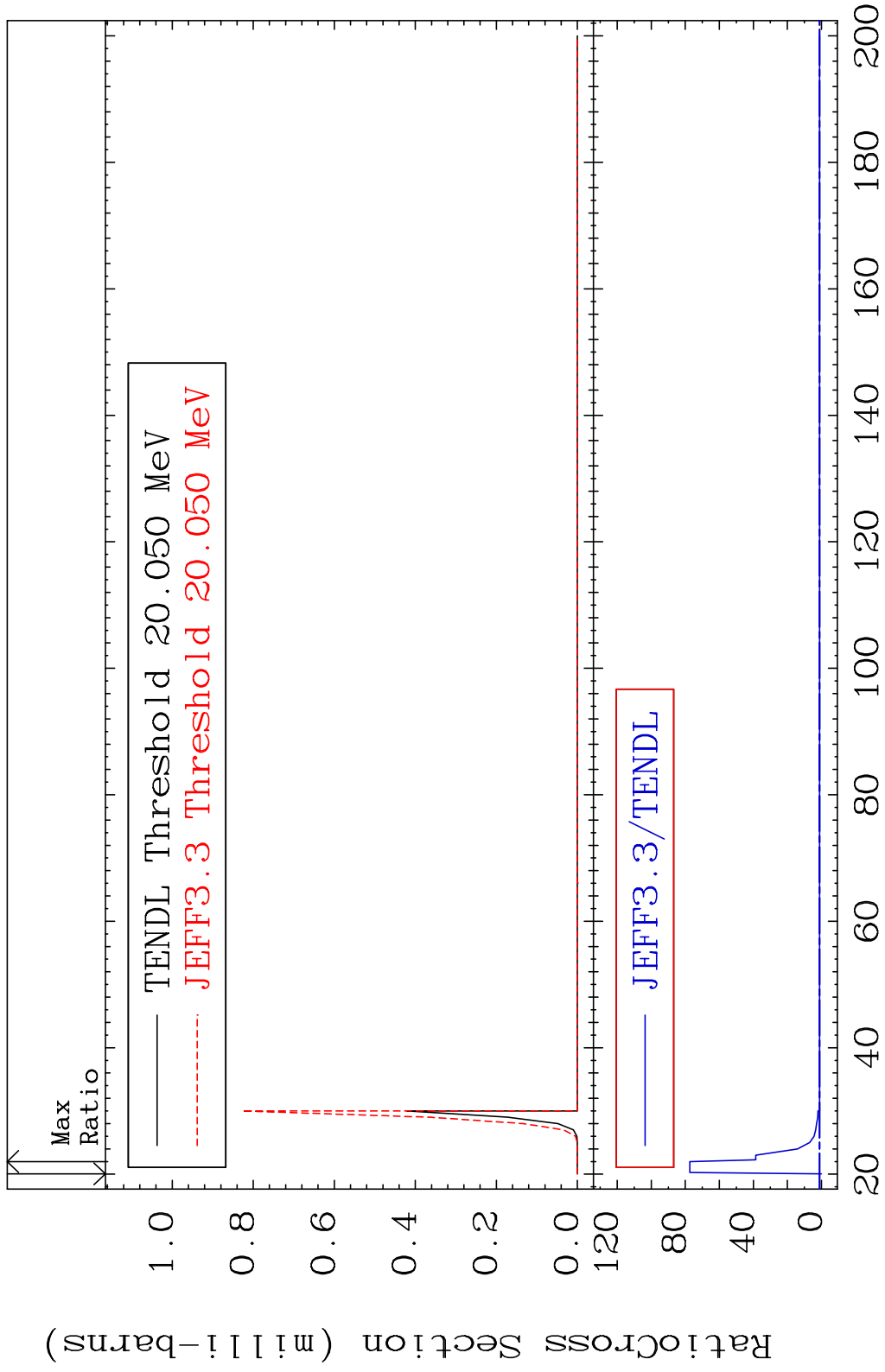
55-Cs-136

MAT 5534

(n,2n) d

55-Cs-136

Cross Section -100.0 To 7637. %



4

Incident Energy (MeV)

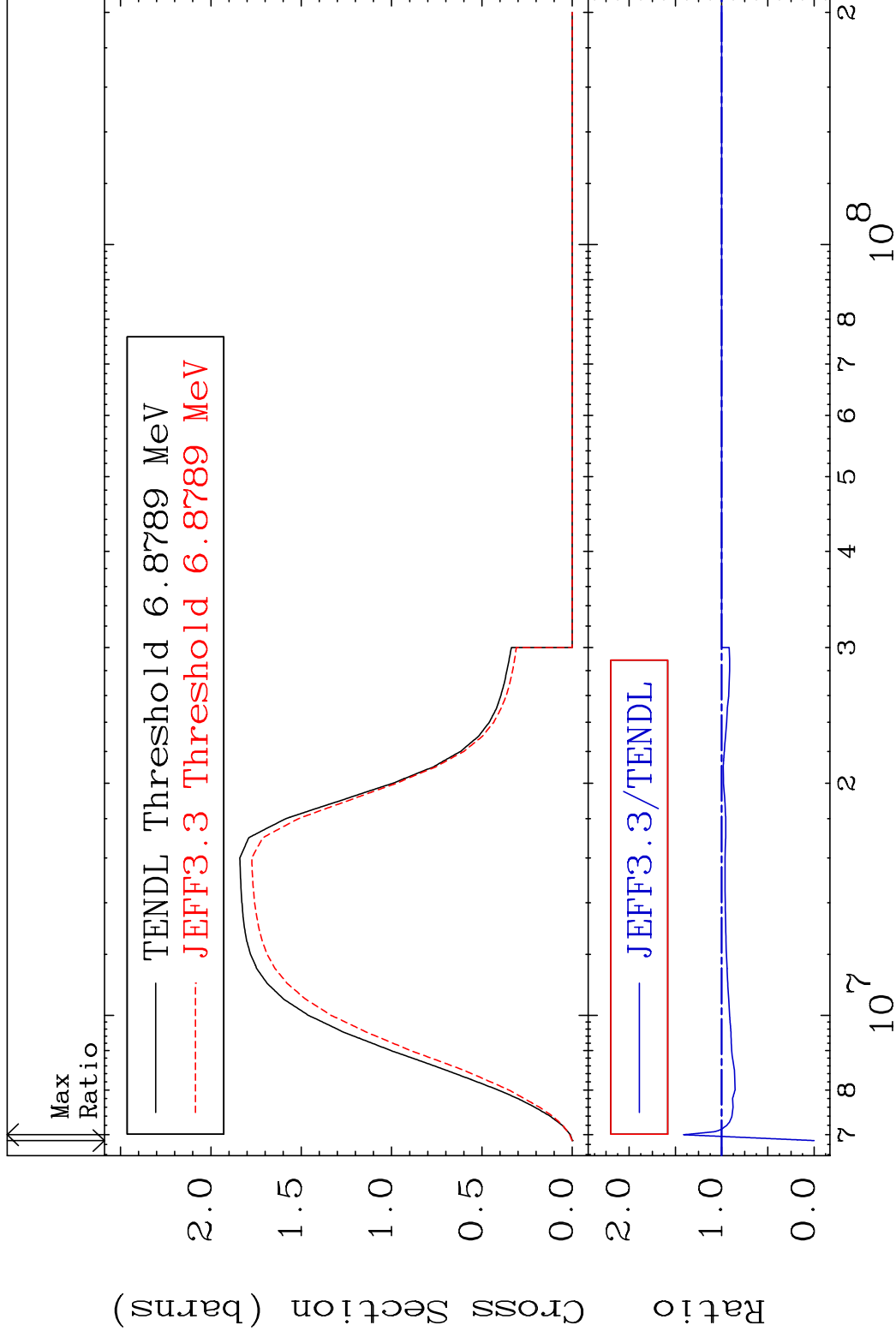
55-Cs-136

MAT 5534

(n,2n)

55-Cs-136

Cross Section -100.0 To 41.08 %



5

Incident Energy (eV)

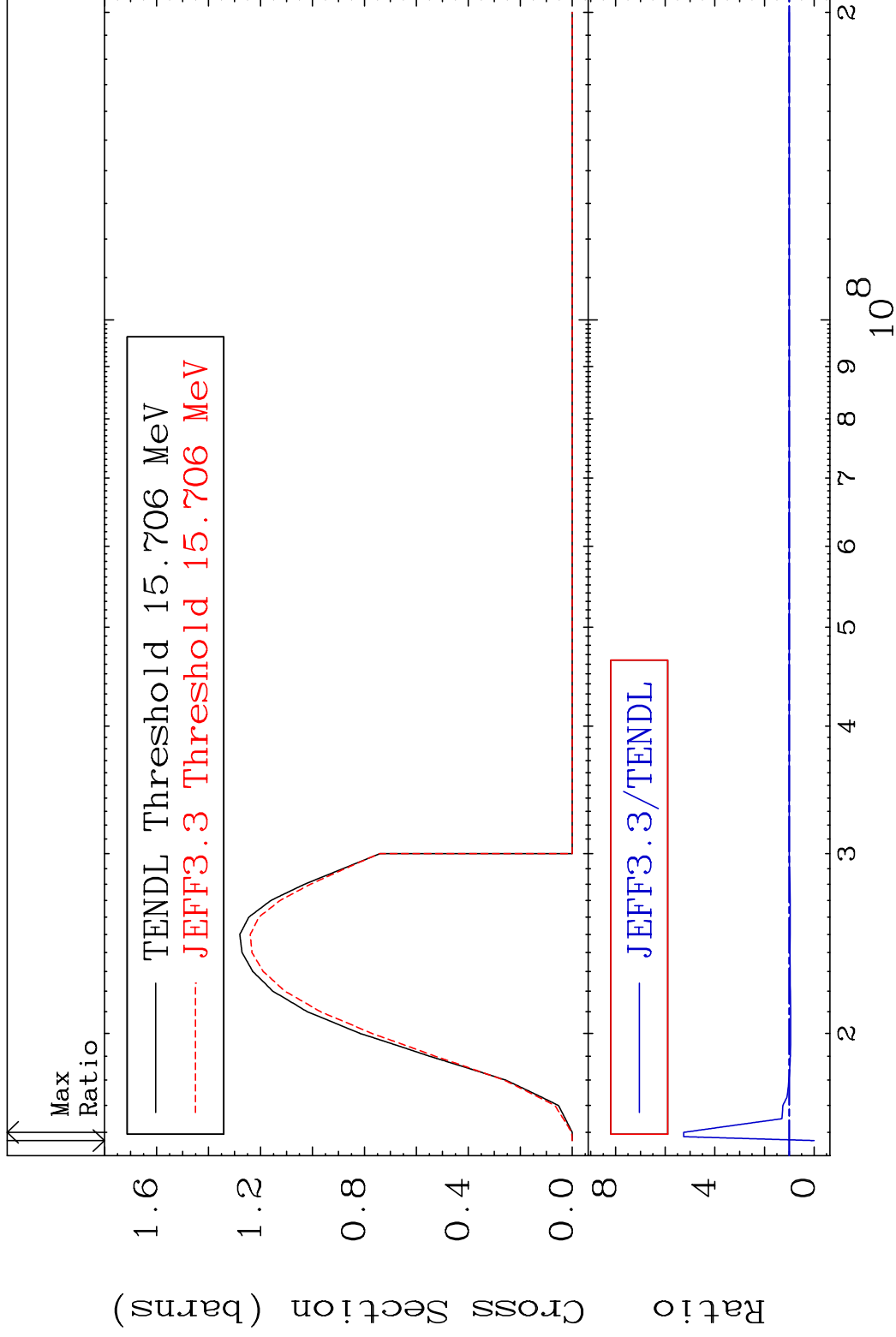
55-Cs-136

MAT 5534

(n,3n)

55-Cs-136

Cross Section -100.0 To 425.7 %



6

Incident Energy (eV)

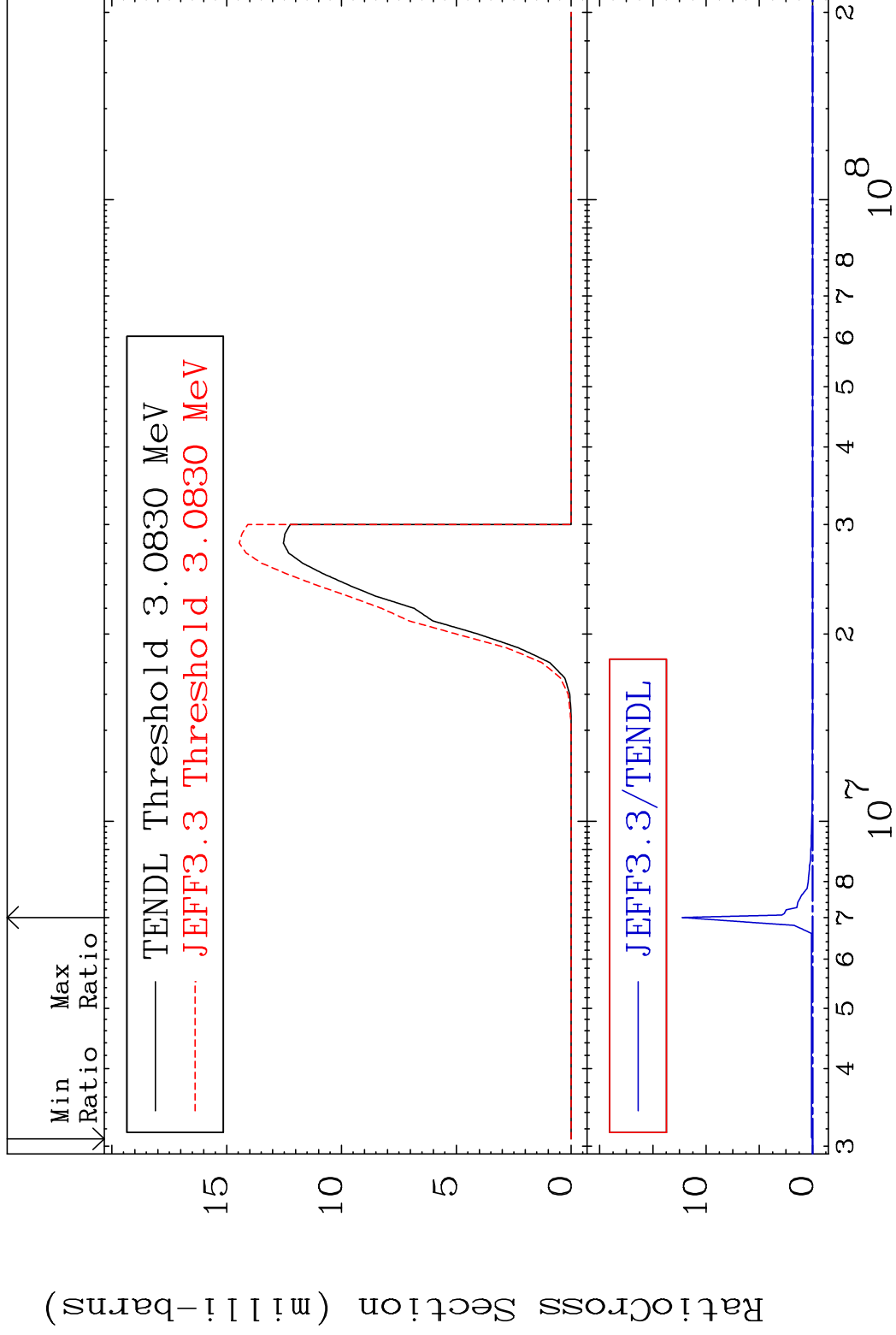
55-Cs-136

MAT 5534

(n, n') α

55-Cs-136

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

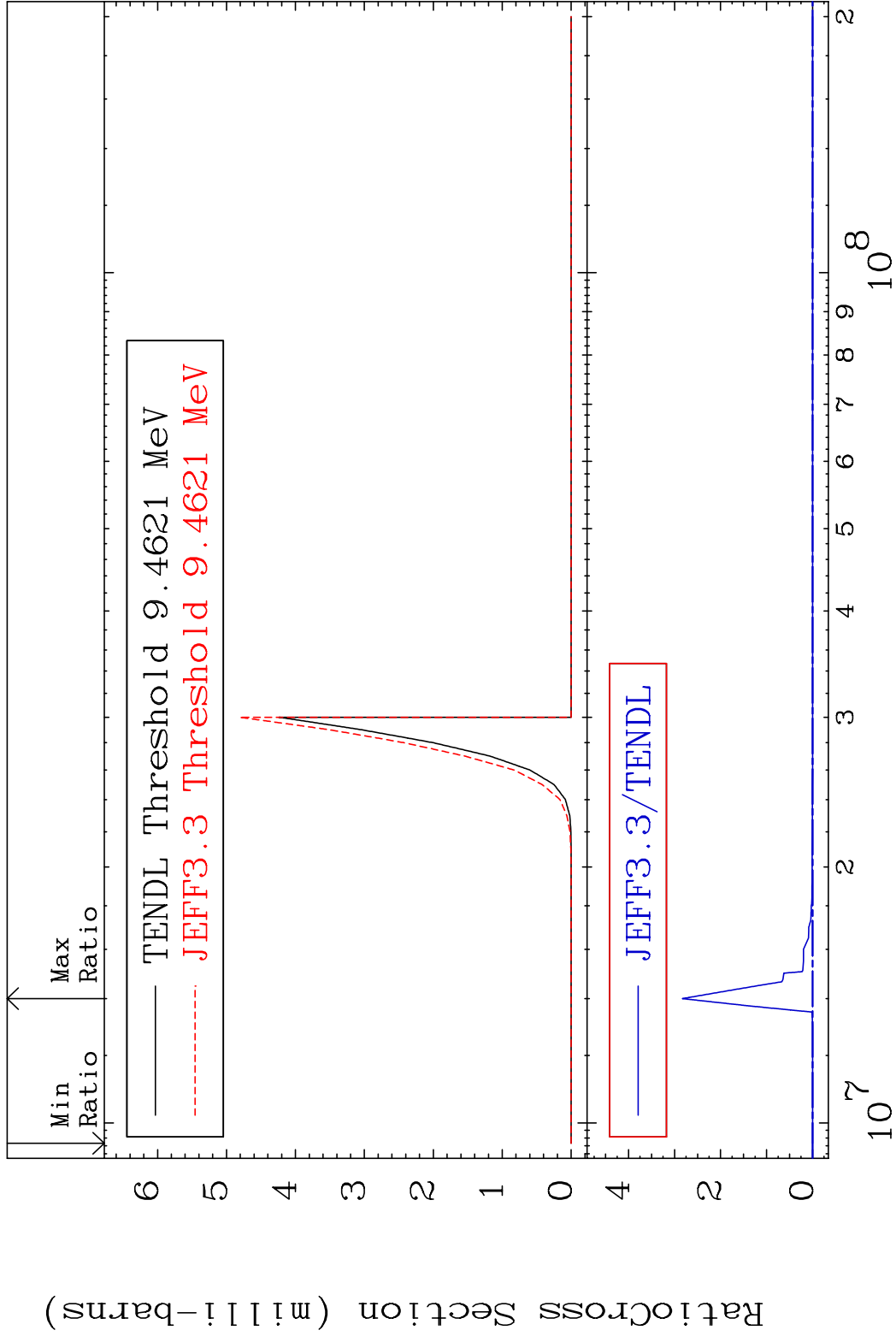
55-Cs-136

MAT 5534

(n,2n) α

55-Cs-136

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

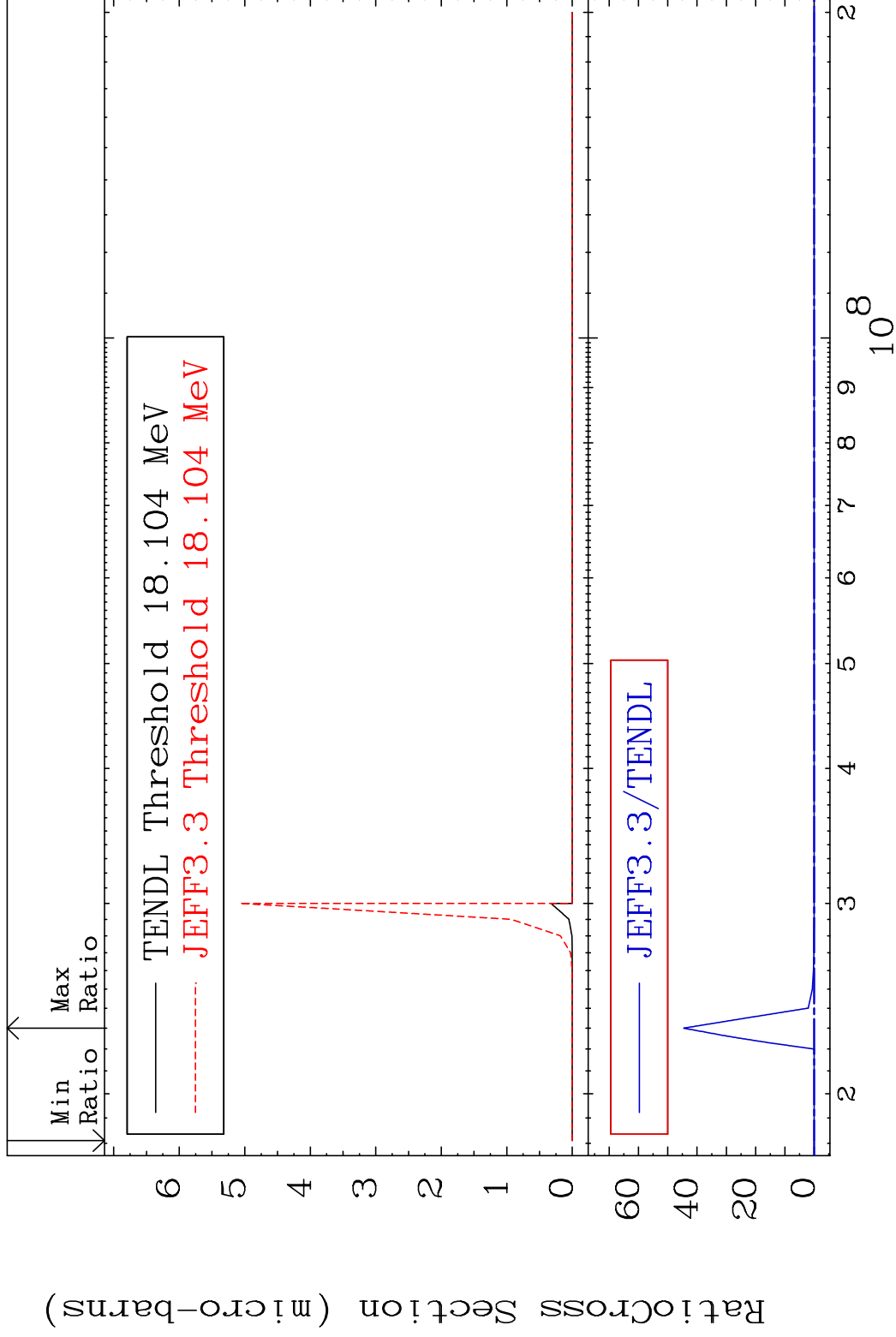
55-Cs-136

MAT 5534

(n,3n) α

55-Cs-136

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

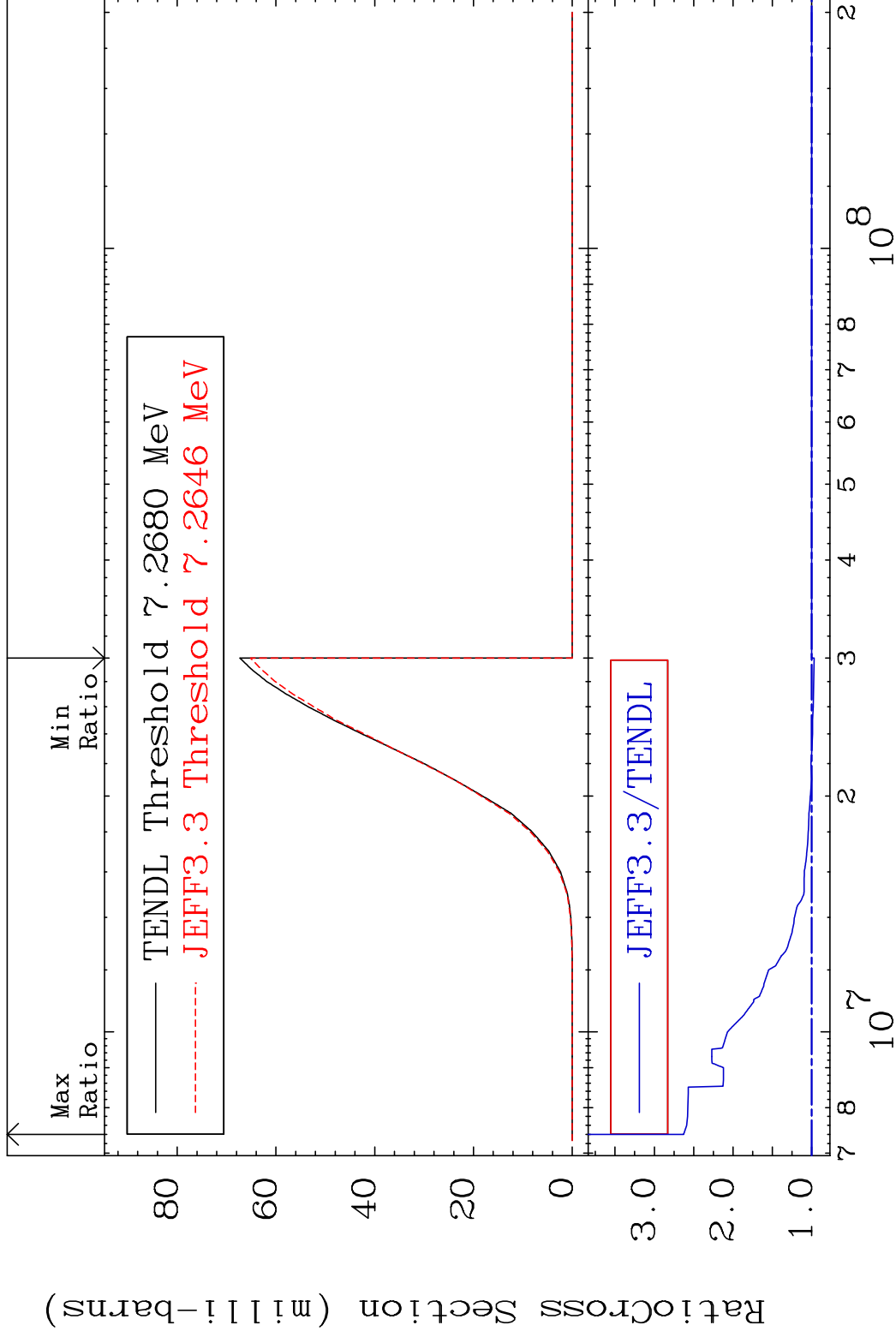
55-Cs-136

MAT 5534

(n, n') p

55-Cs-136

Cross Section -3.209 To 162.7 %



10

Incident Energy (eV)

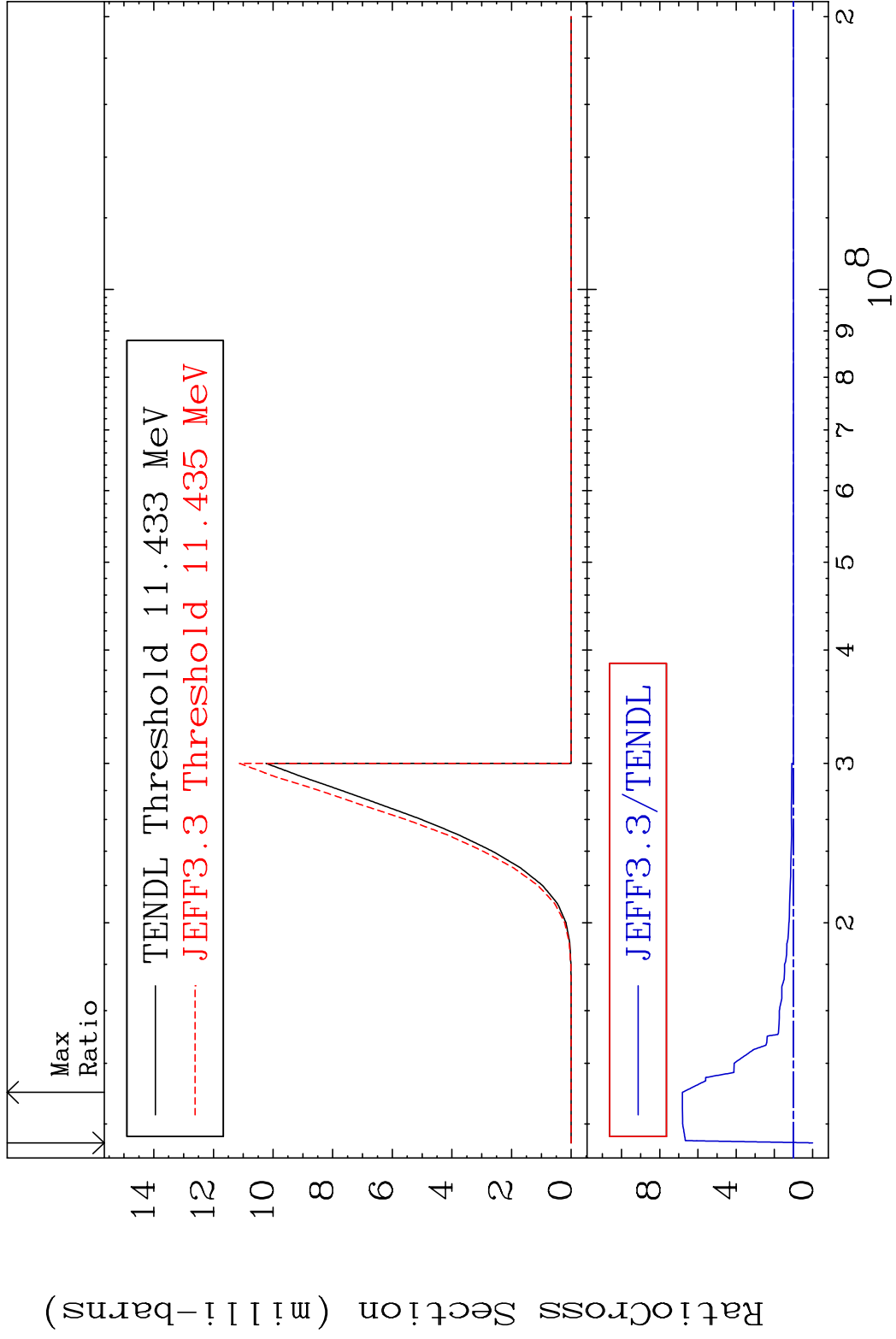
55-Cs-136

MAT 5534

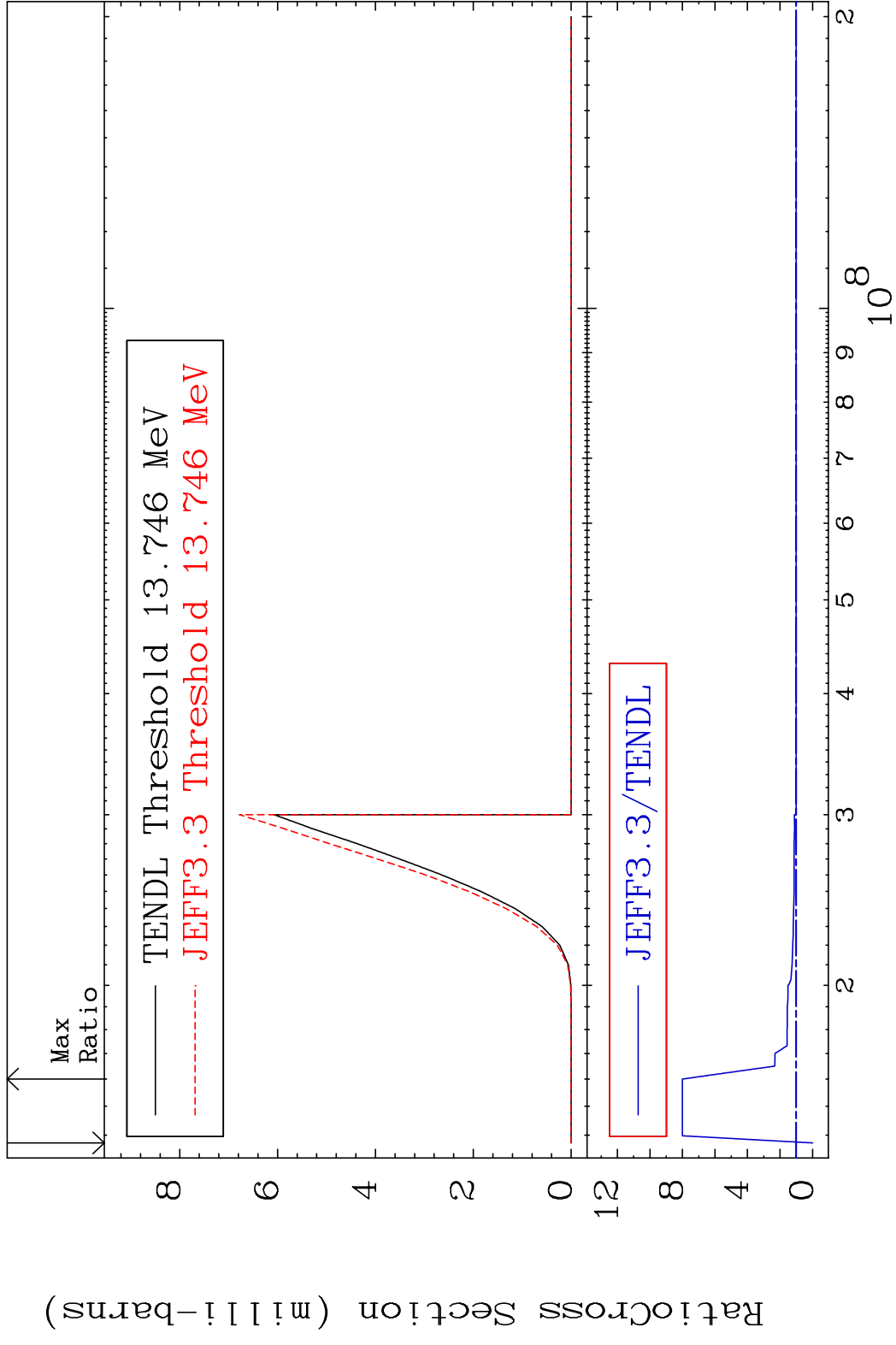
(n, n') d

55-Cs-136

Cross Section -100.0 To 581.5 %



MAT 5534 (n, n') t 55-Cs-136
 Cross Section -100.0 To 700.5 %

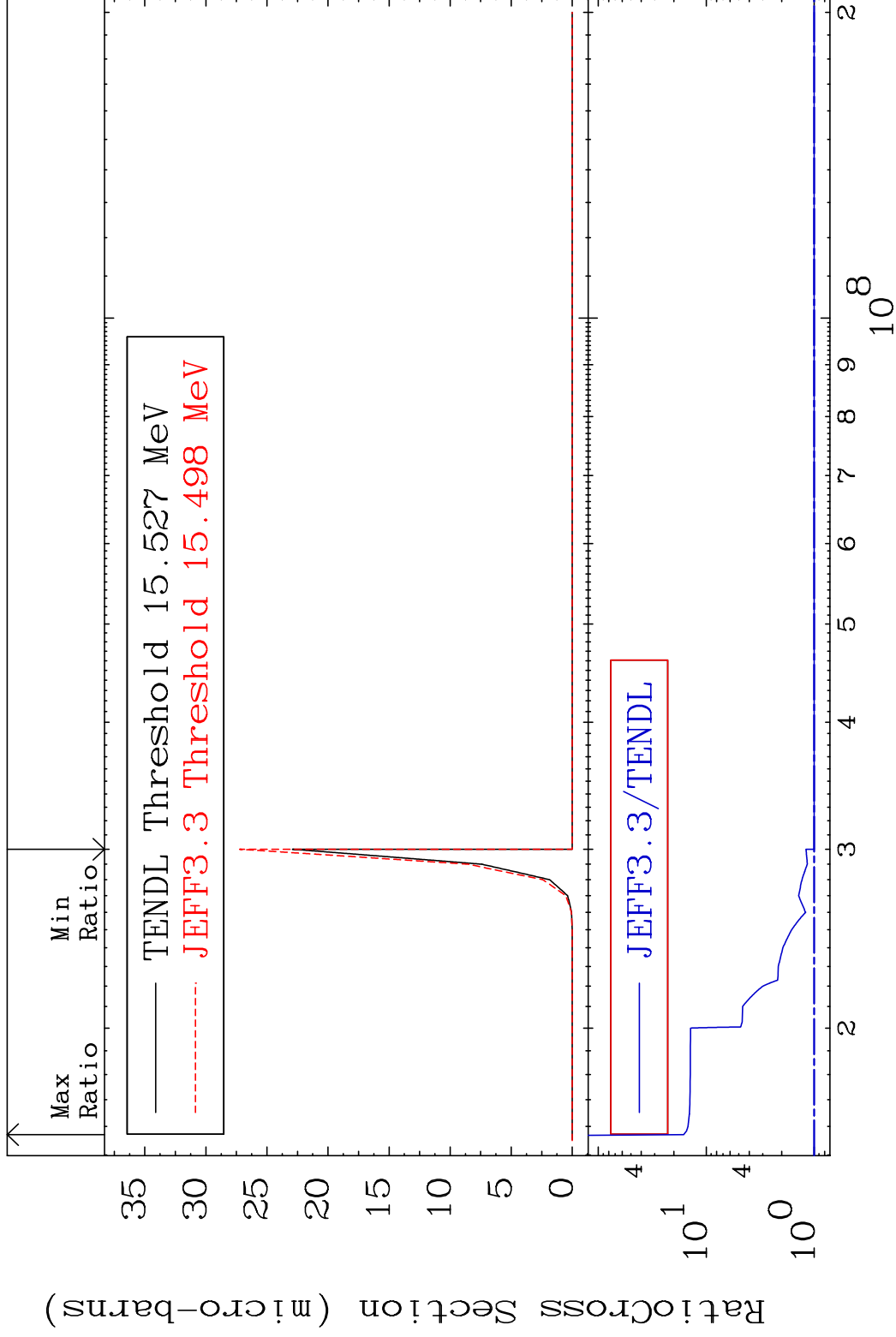


MAT 5534

(n,n') He-3

55-Cs-136

Cross Section 0.000 To 1519. %



13

Incident Energy (eV)

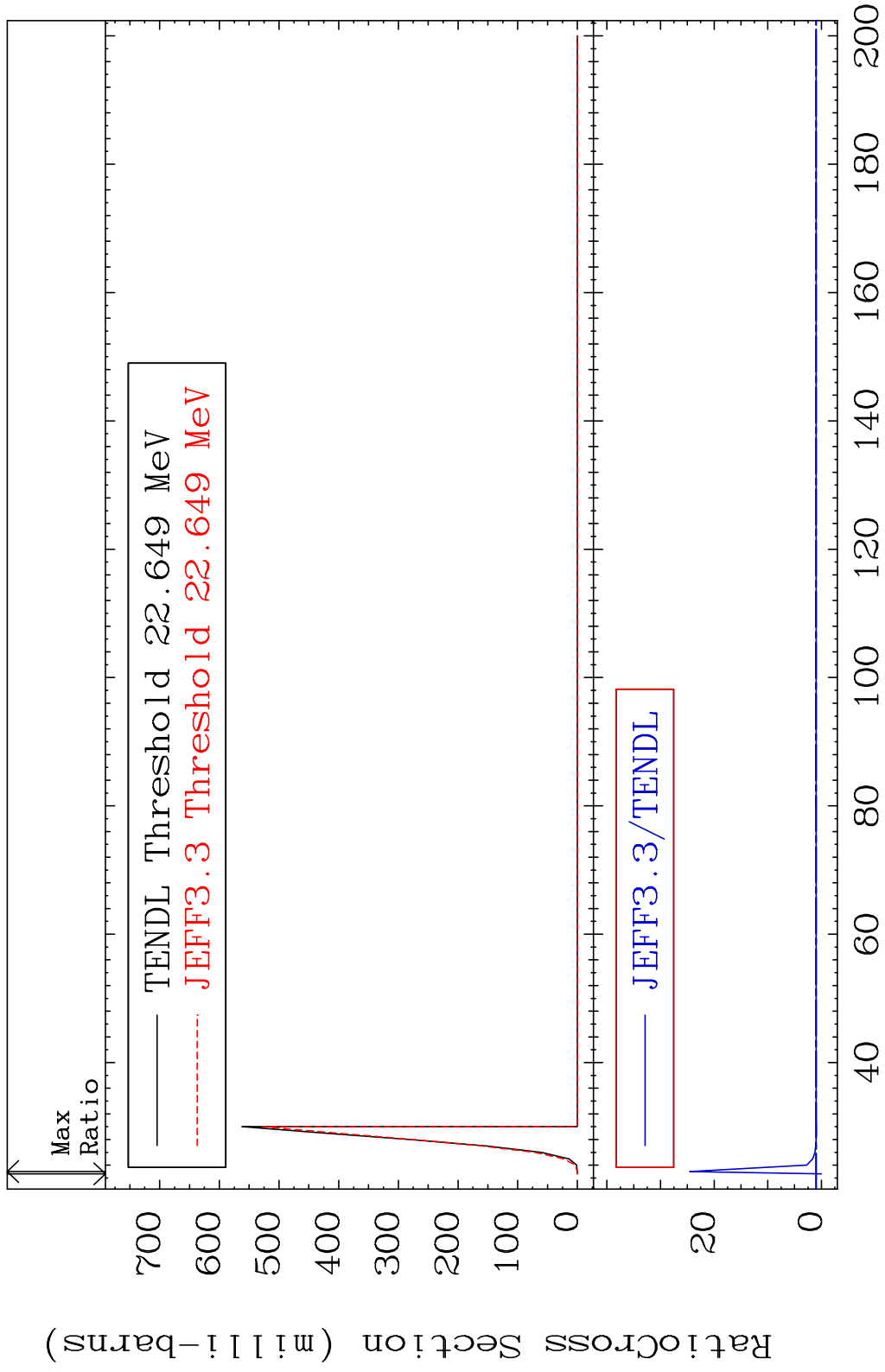
55-Cs-136

MAT 5534

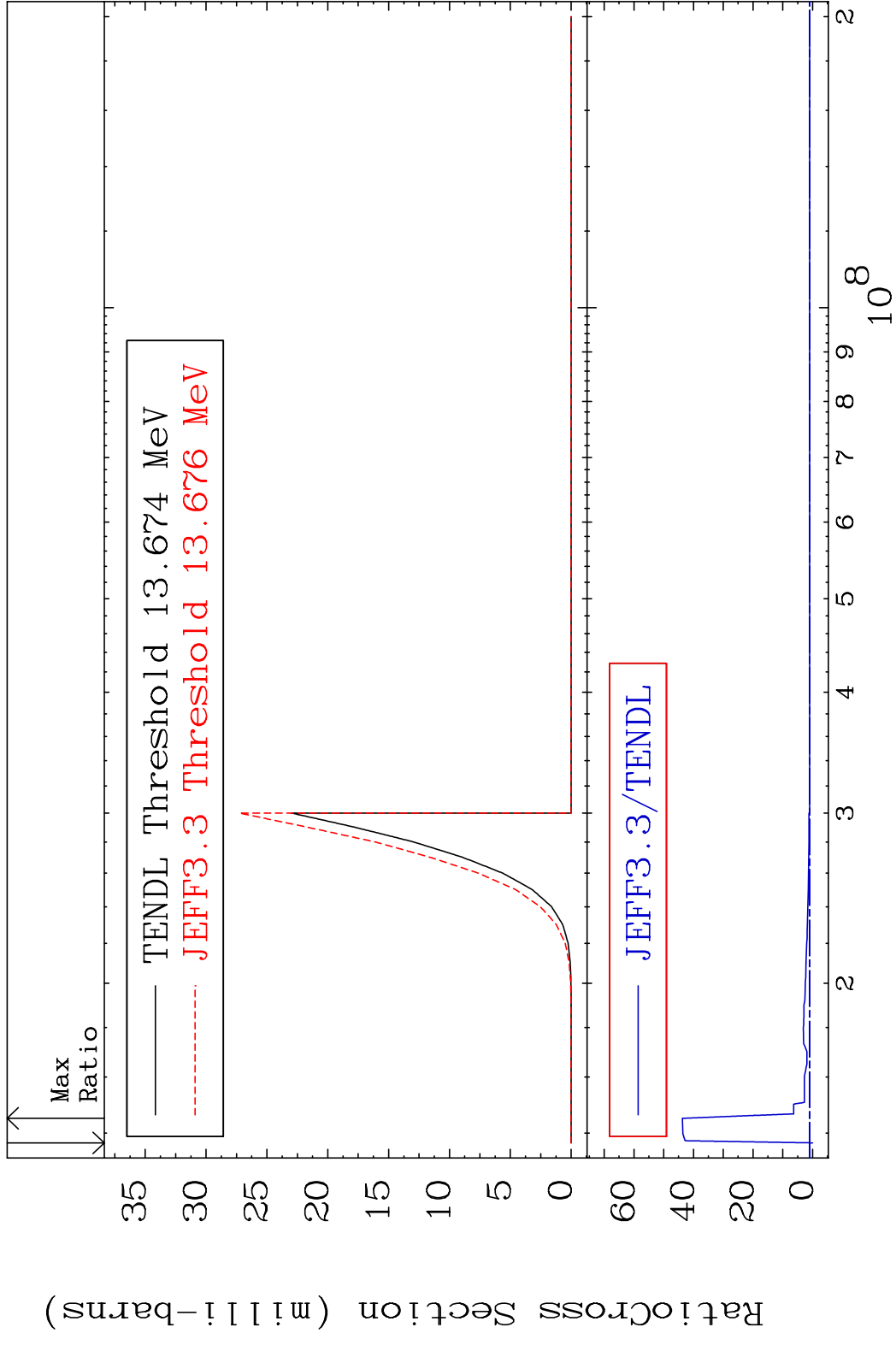
(n,4n)

55-Cs-136

Cross Section -100.0 To 2354. %



MAT 5534 (n,2n) p 55-Cs-136
 Cross Section -100.0 To 4274. %

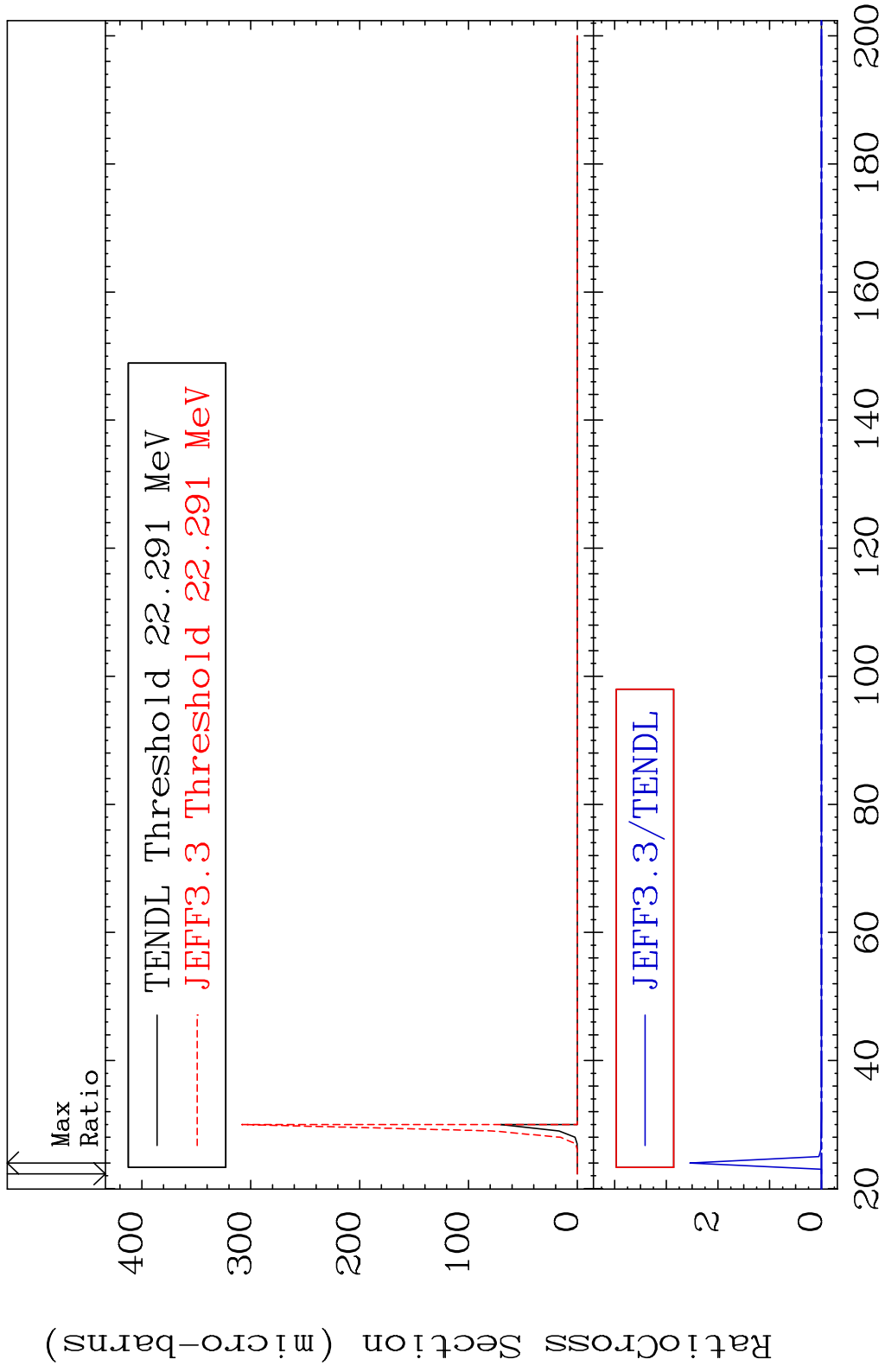


MAT 5534

(n,3n) p

55-Cs-136

Cross Section -100.0 To 9999. %

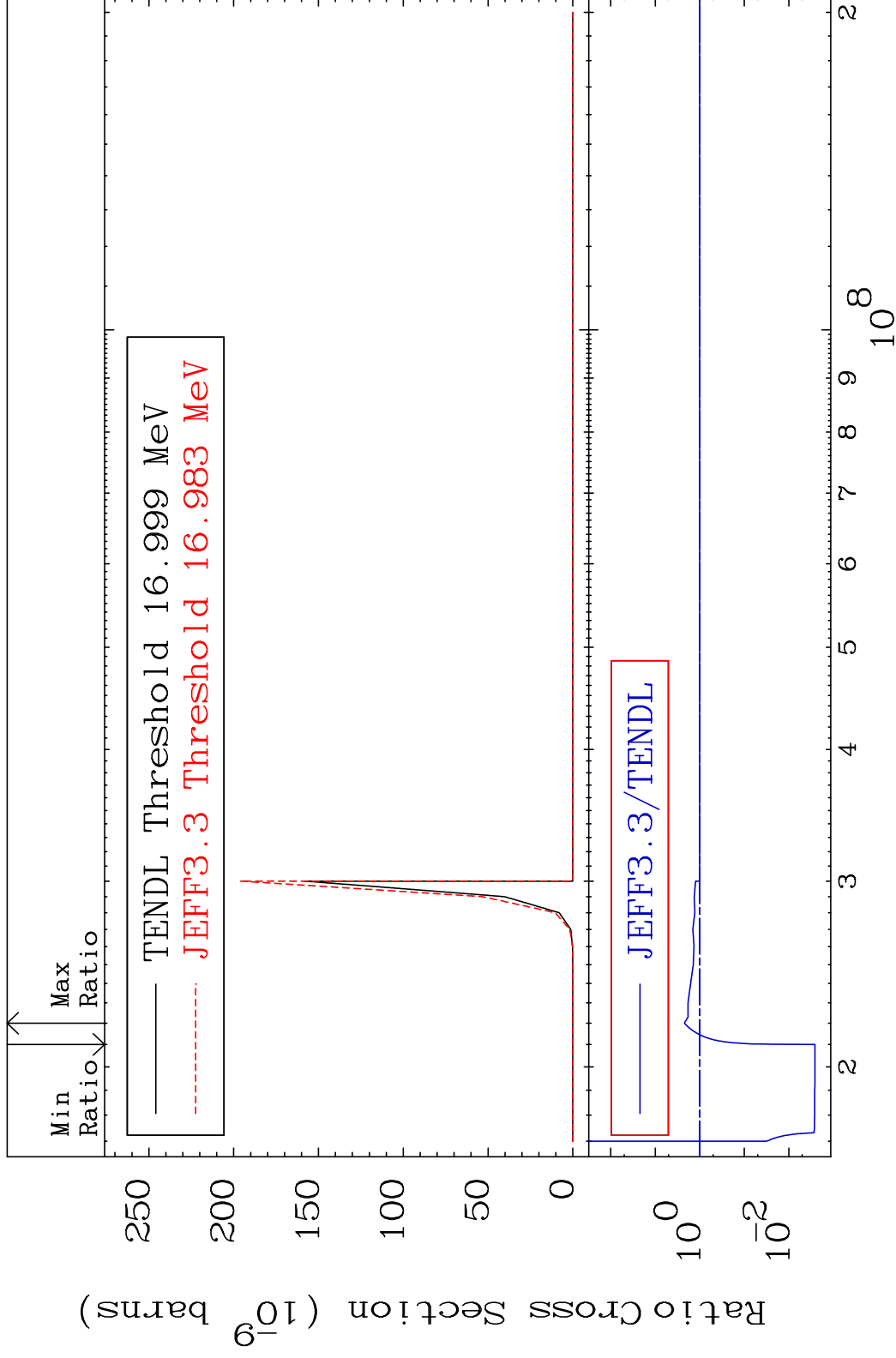


MAT 5534

(n,2n) p

55-Cs-136

Cross Section -99.74 To 122.0 %



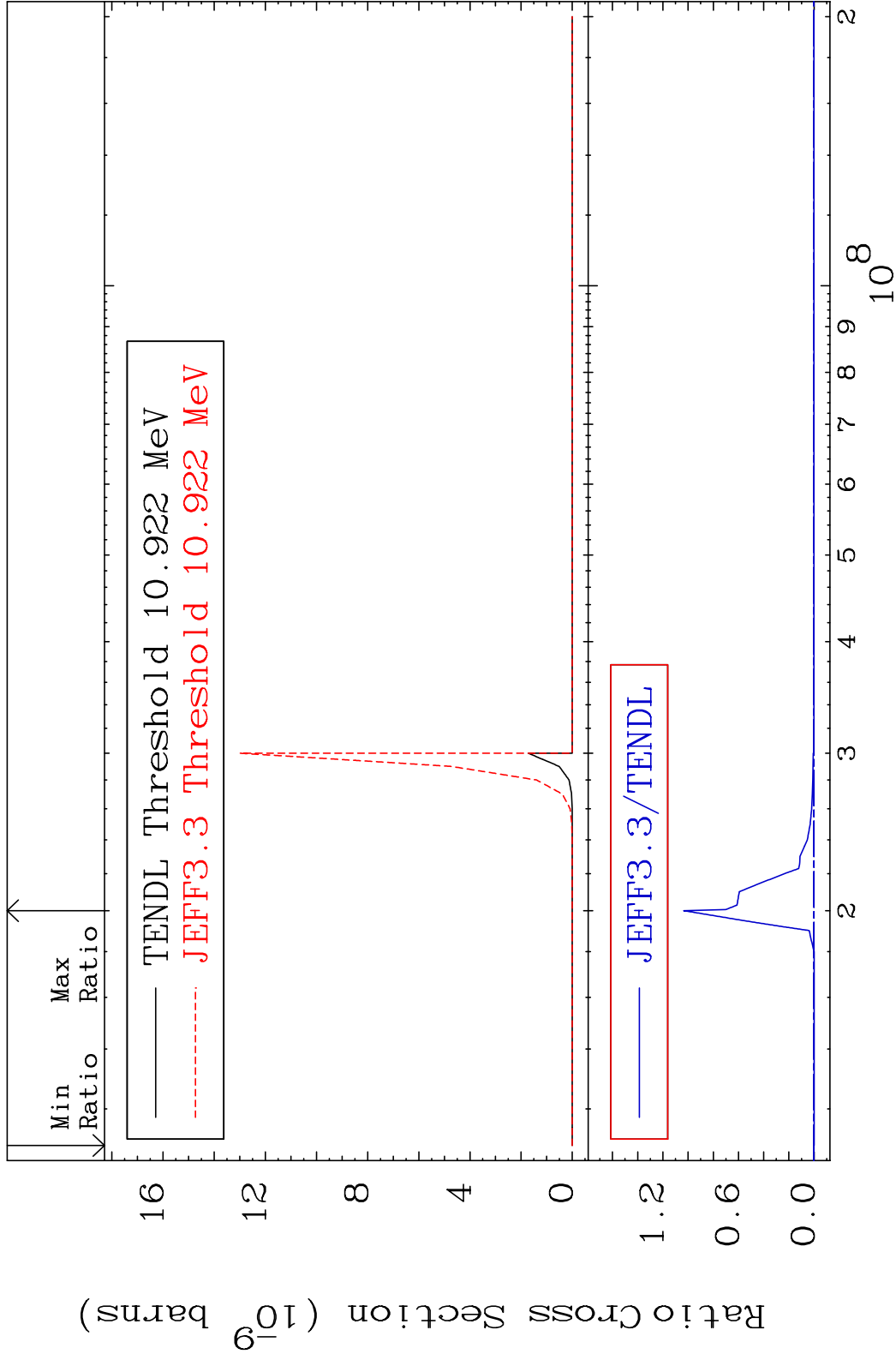
17

Incident Energy (eV)

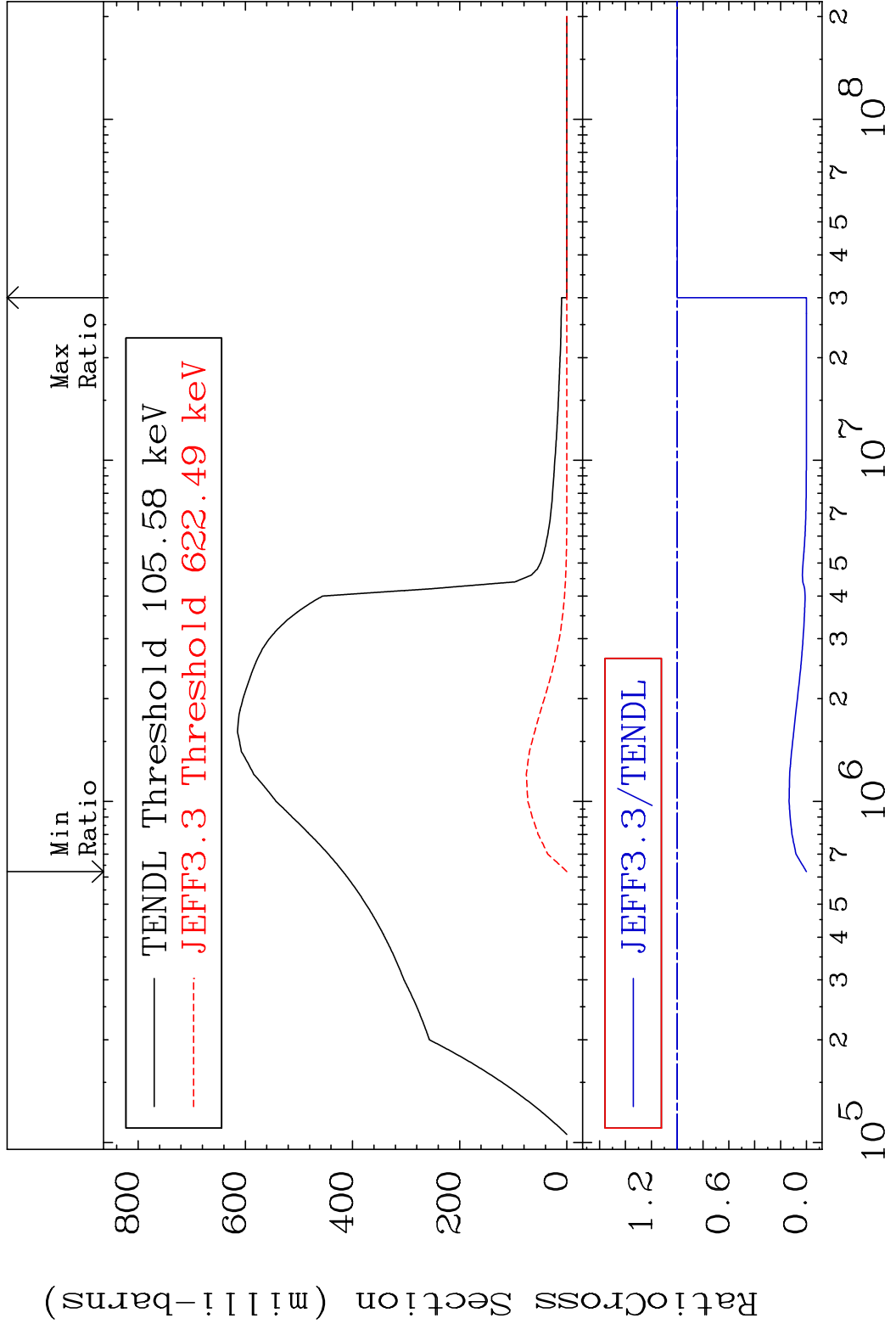
55-Cs-136

MAT 5534

(n,n') p α 55-Cs-136
Cross Section -100.0 To 9999. %

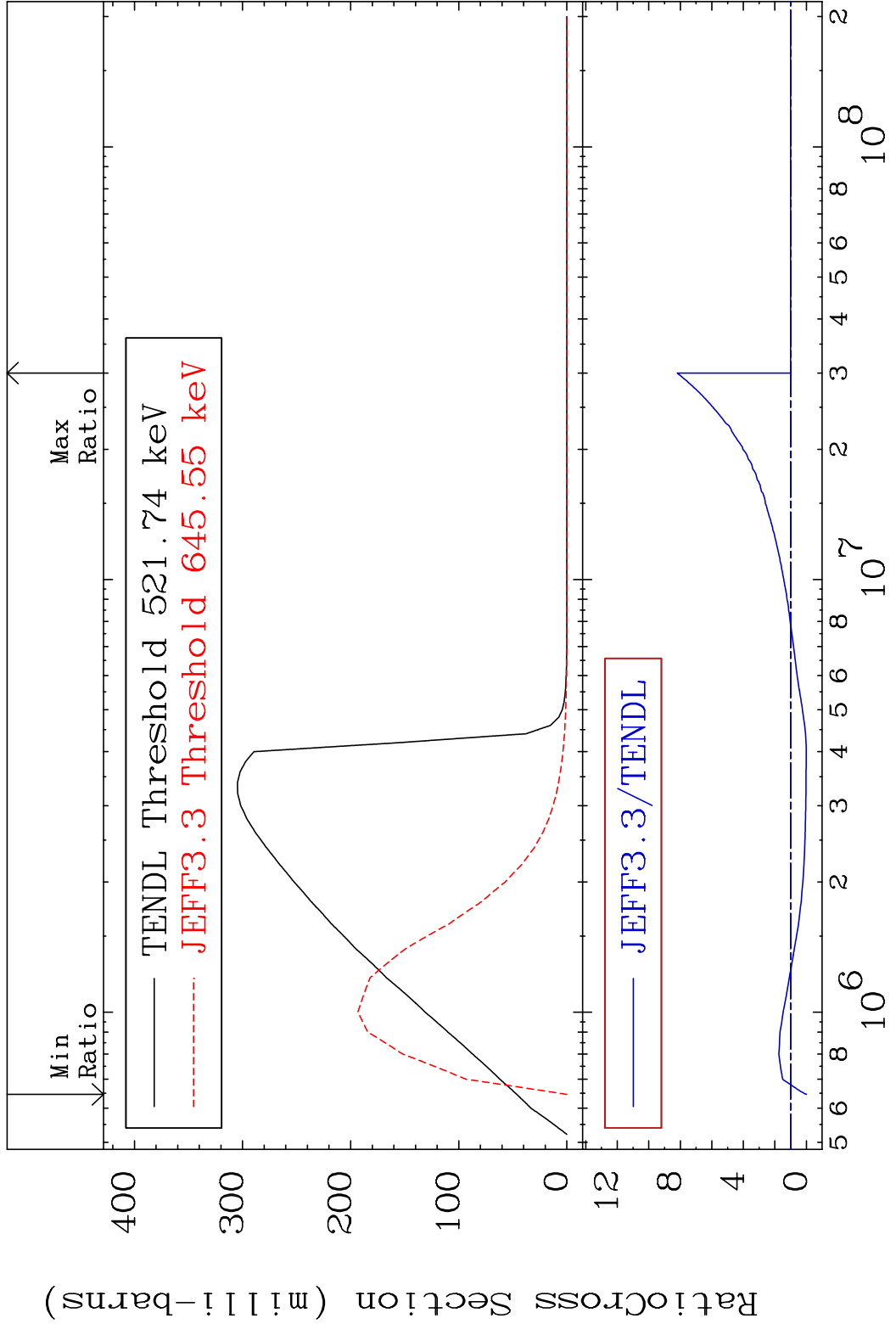


MAT 5534 MT= 51 (n, n') Level 55-Cs-136
 Cross Section -100.0 To 0.000 %



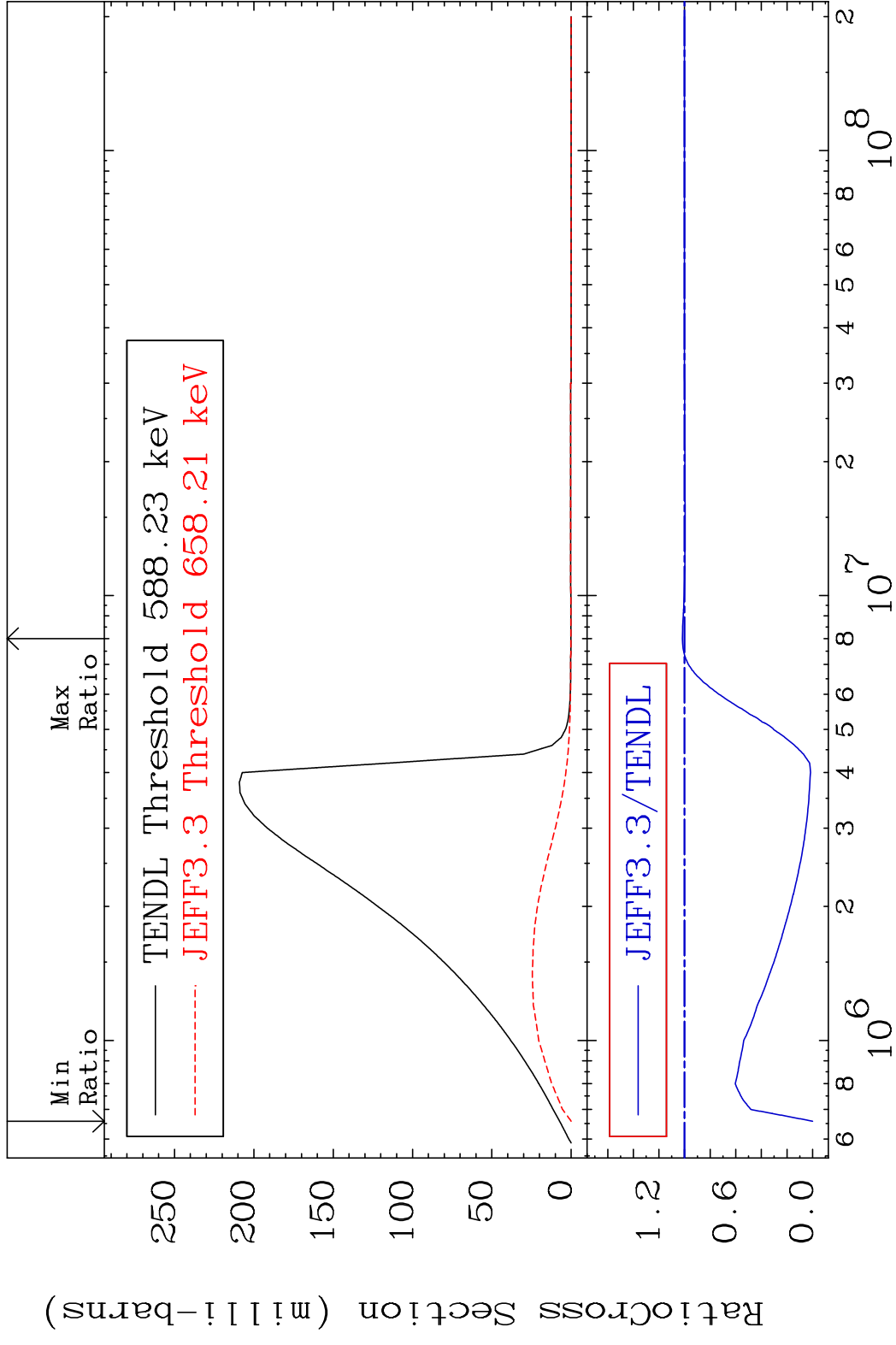
19 55-Cs-136

MAT 5534 MT= 52 (n, n') Level 55-Cs-136
 Cross Section -100.0 To 719.7 %

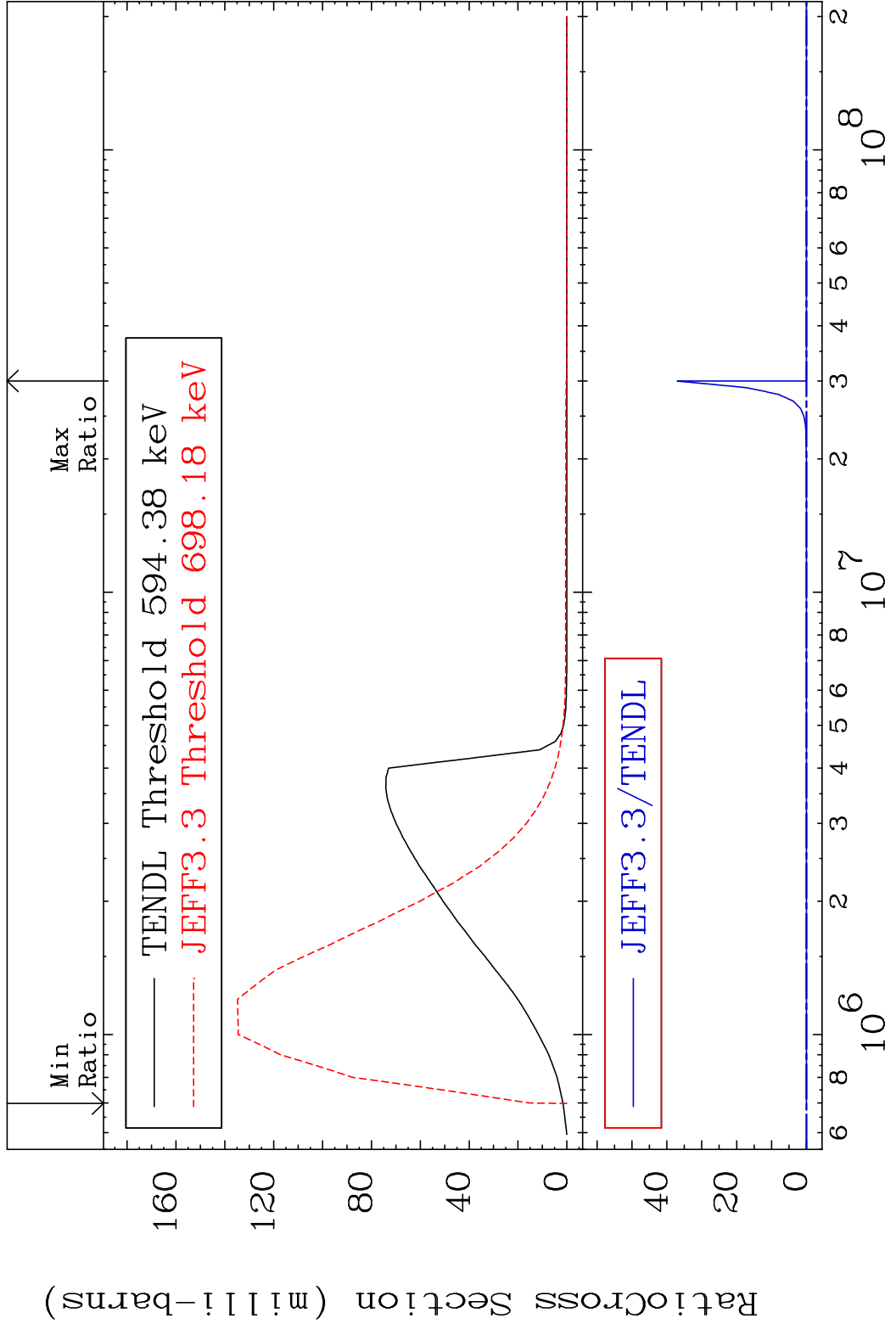


20 Incident Energy (eV) 55-Cs-136

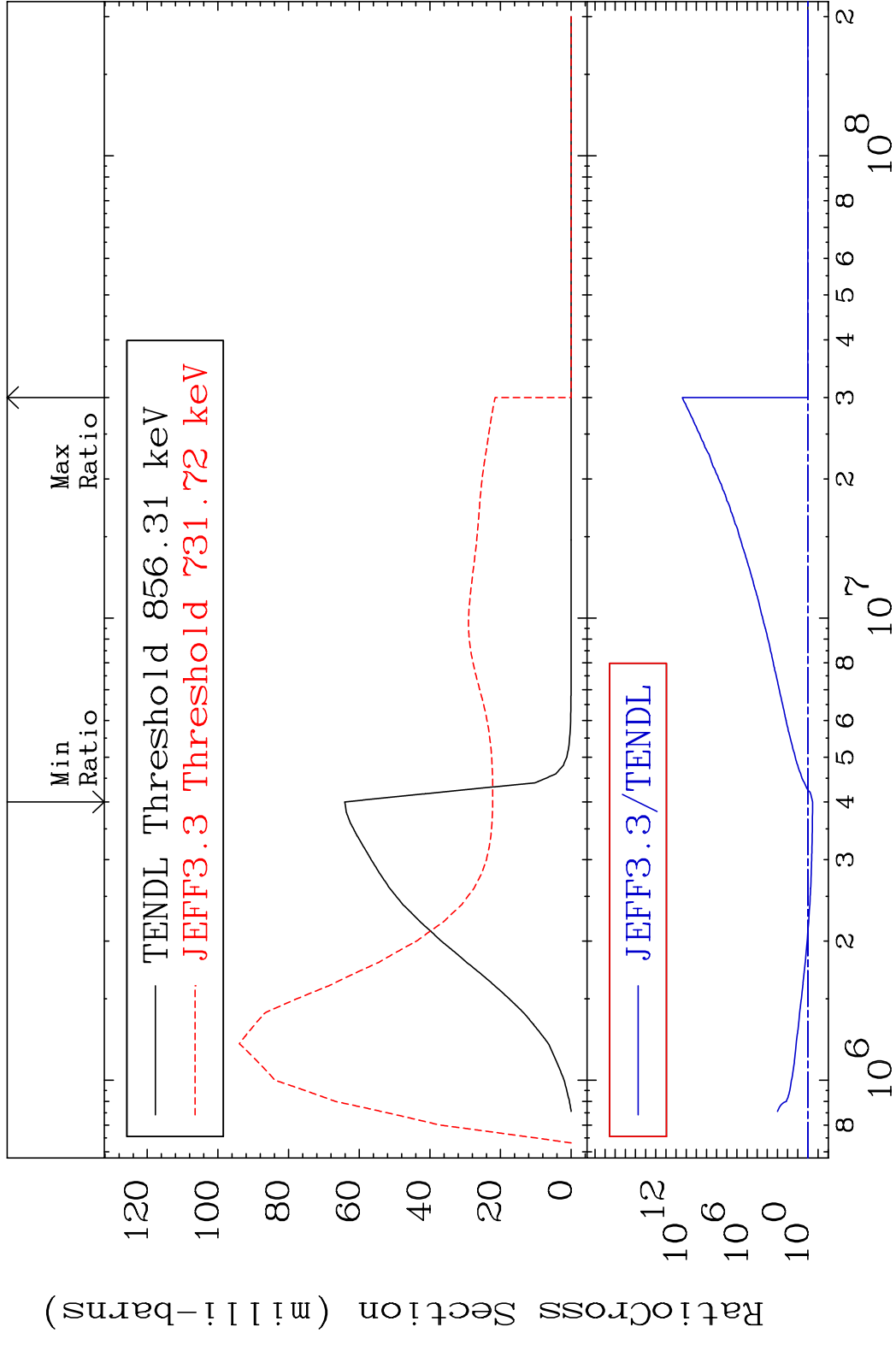
MAT 5534 MT= 53 (n, n') Level 55-Cs-136
 Cross Section -100.0 To 1.702 %



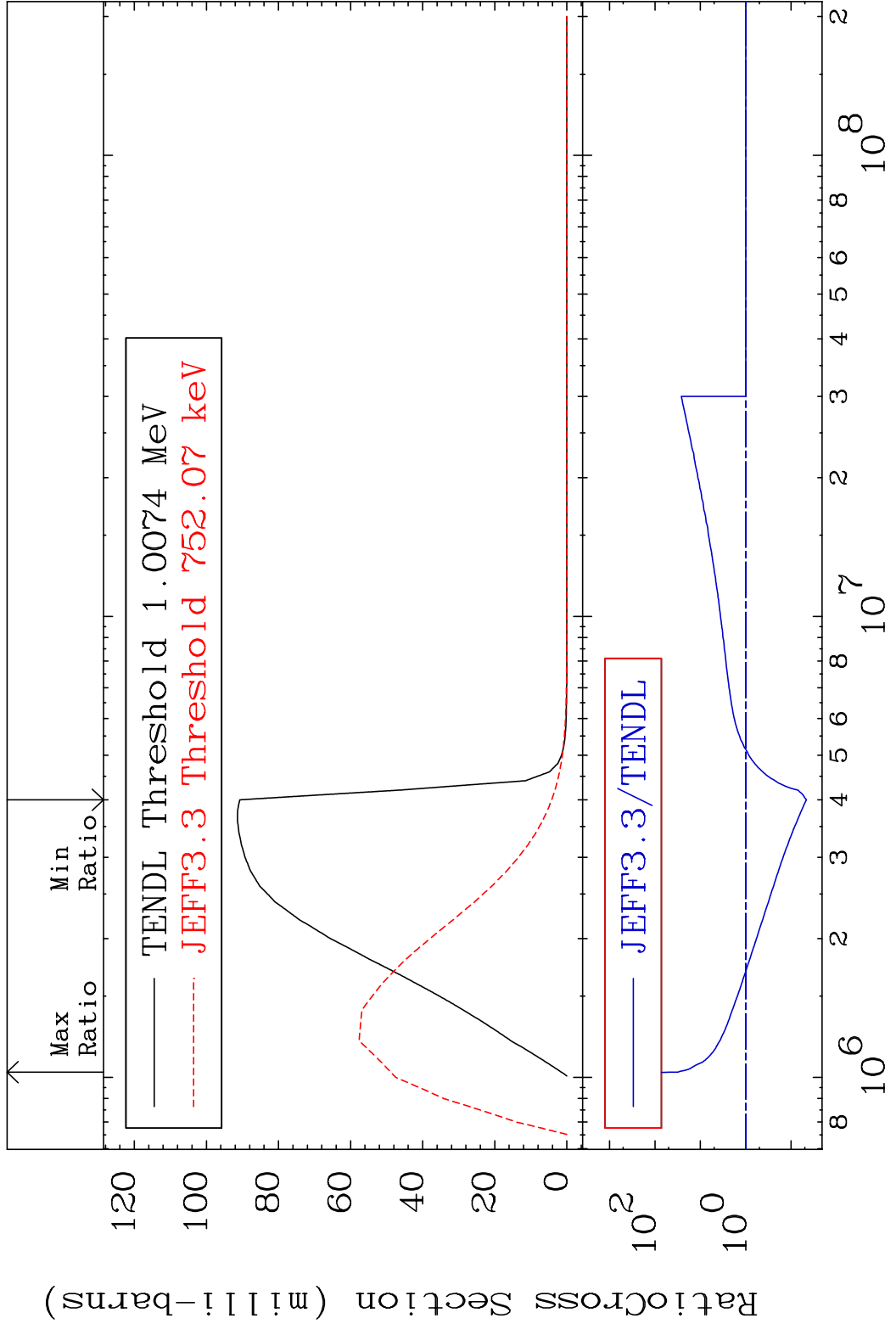
MAT 5534 MT= 54 (n,n') Level 55-Cs-136
 Cross Section -100.0 To 9999. %



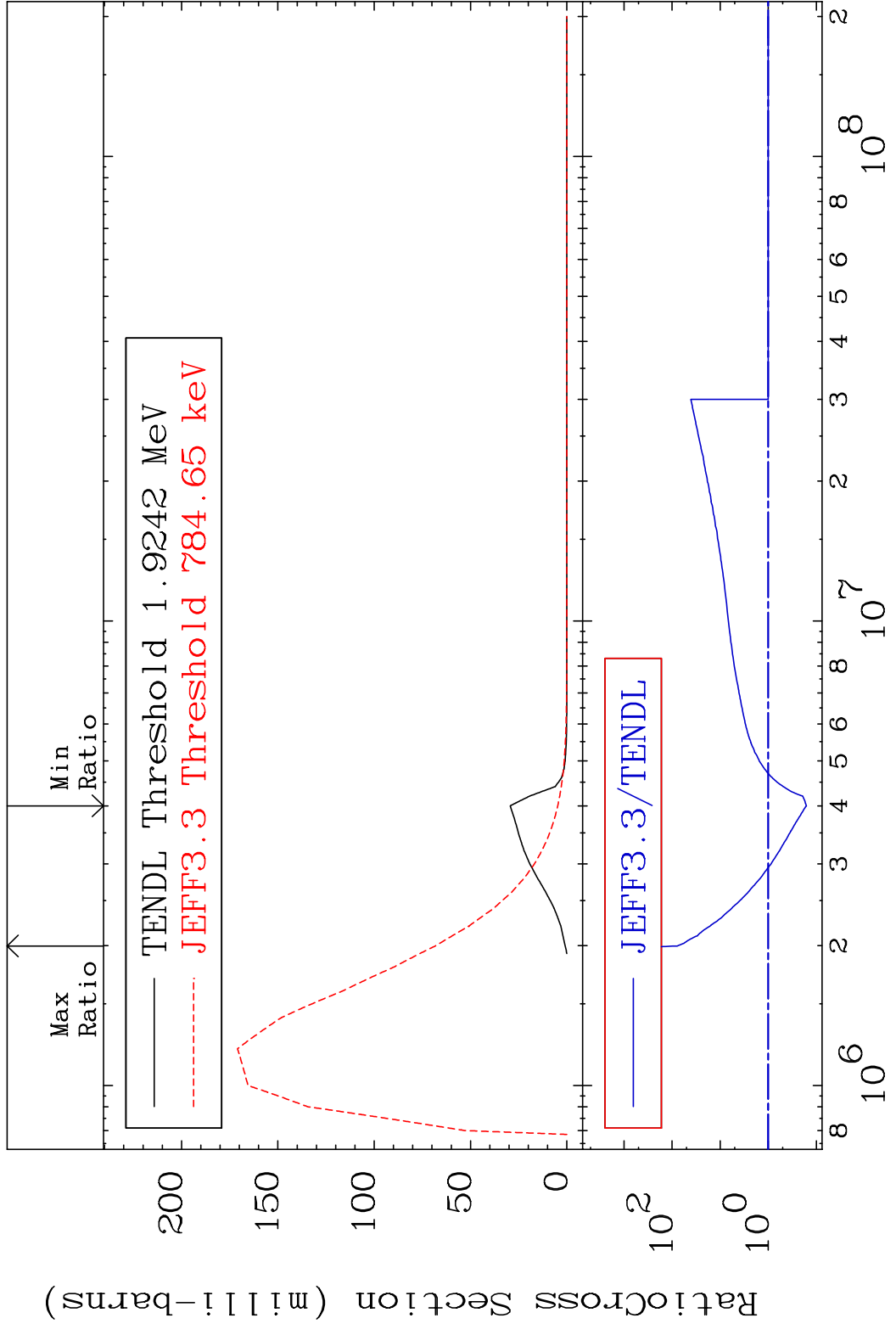
MAT 5534 MT= 55 (n, n') Level 55-Cs-136
 Cross Section -65.34 To 9999. %



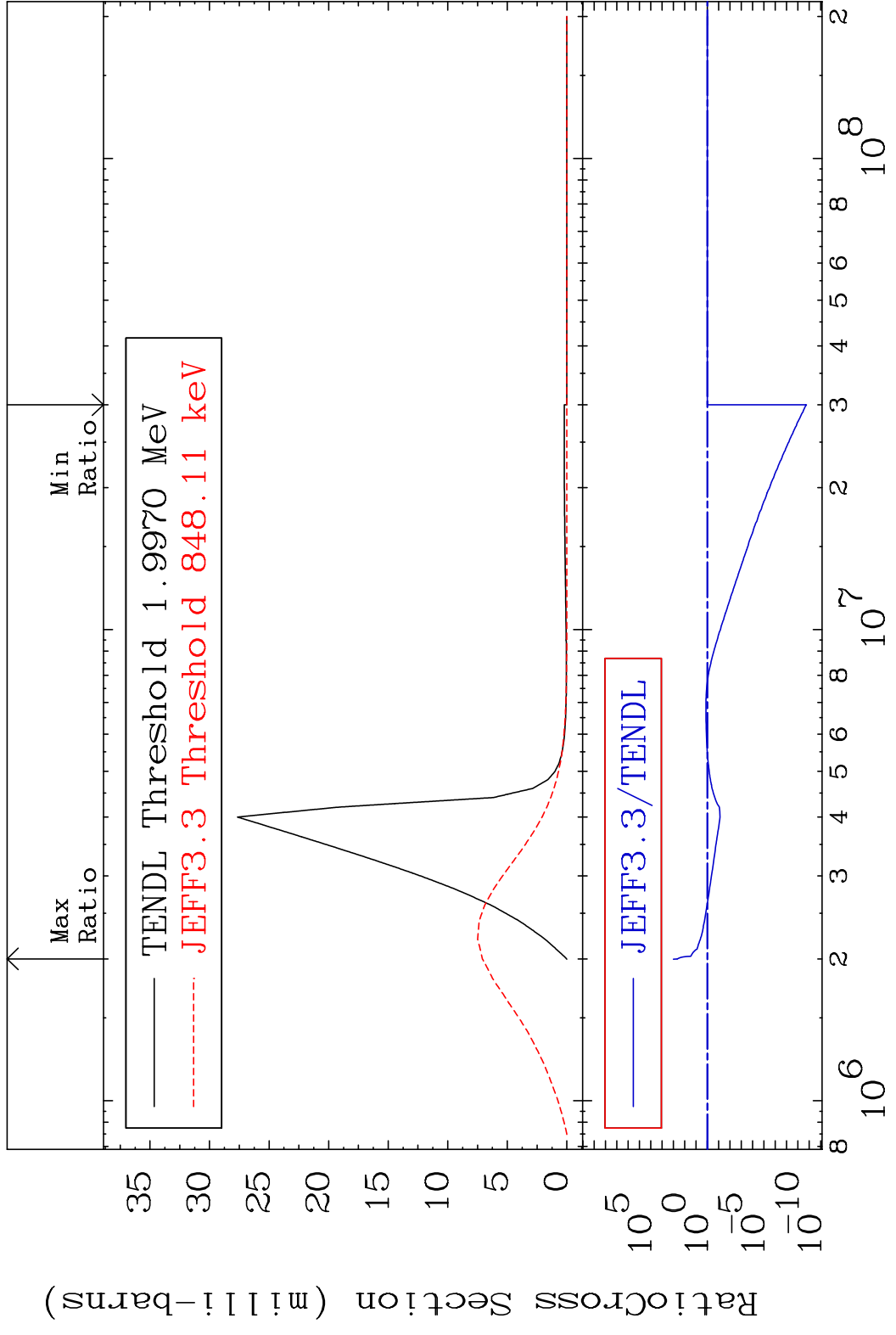
MAT 5534 MT= 56 (n,n') Level 55-Cs-136
 Cross Section -95.38 To 3136. %



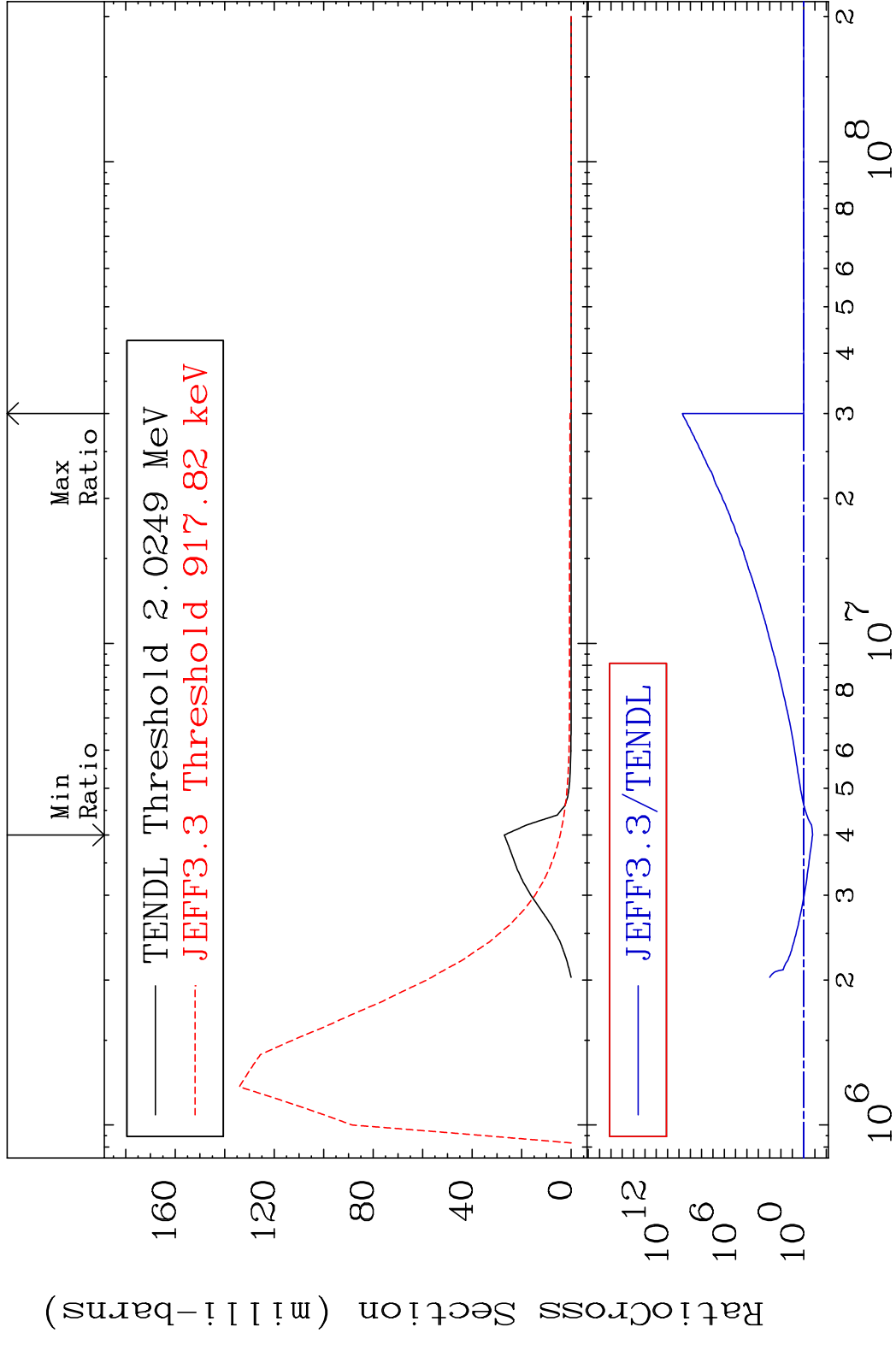
MAT 5534 MT= 57 (n,n') Level 55-Cs-136
 Cross Section -83.92 To 7747. %



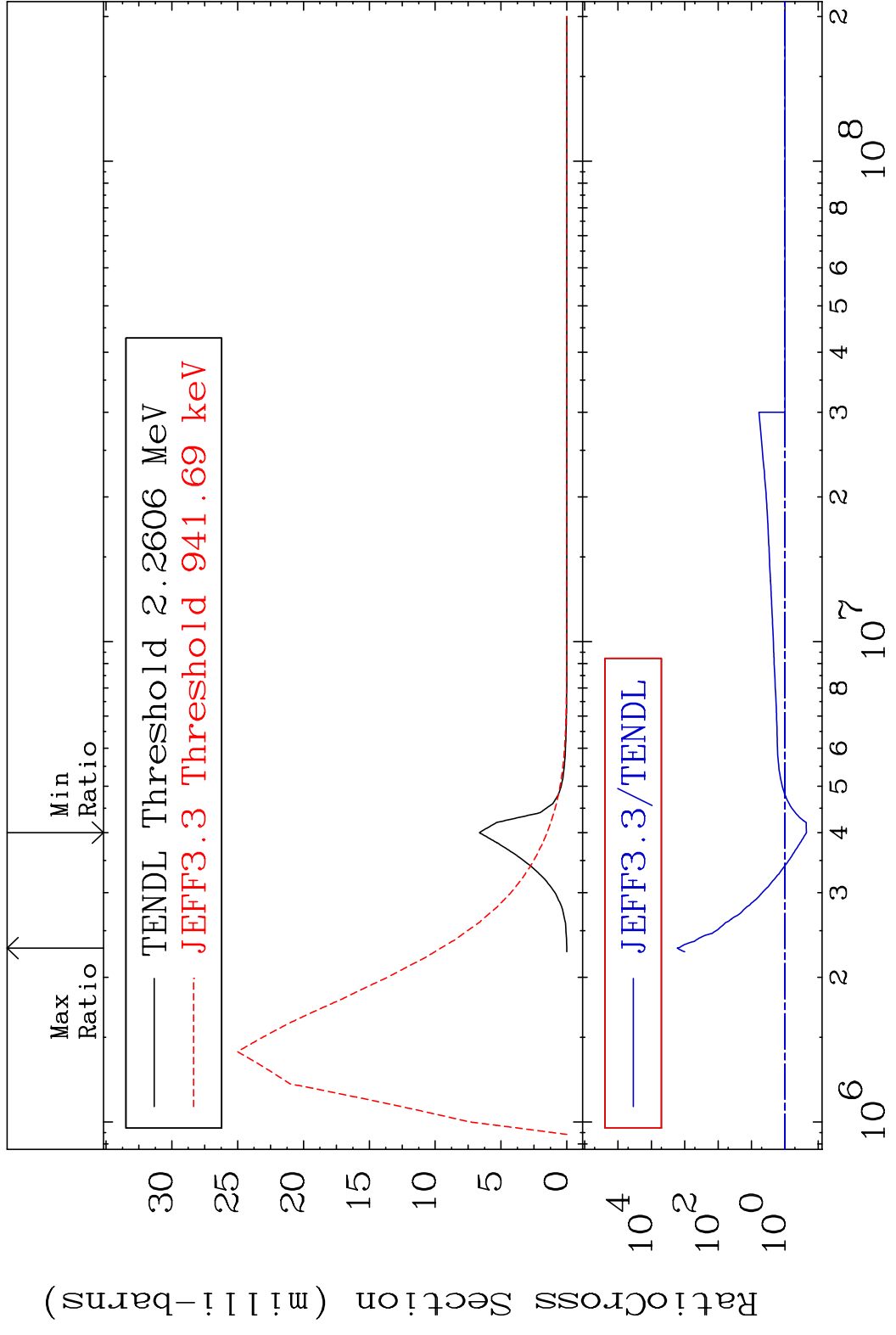
MAT 5534 MT= 58 (n,n') Level 55-Cs-136
 Cross Section -100.0 To 9999. %



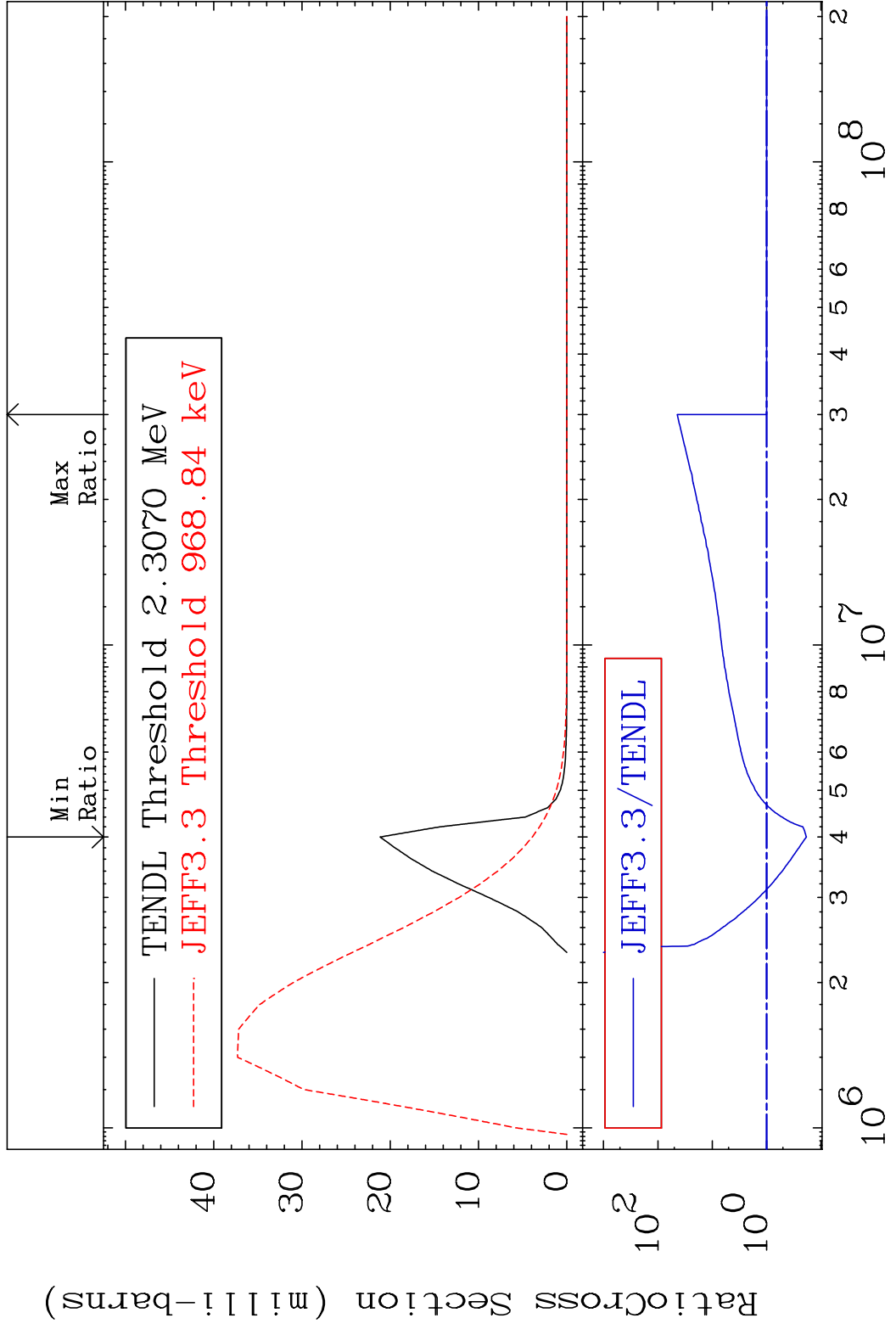
MAT 5534 MT= 59 (n, n') Level 55-Cs-136
 Cross Section -83.57 To 9999. %



MAT 5534 MT= 60 (n, n') Level 55-Cs-136
 Cross Section -77.37 To 9999. %

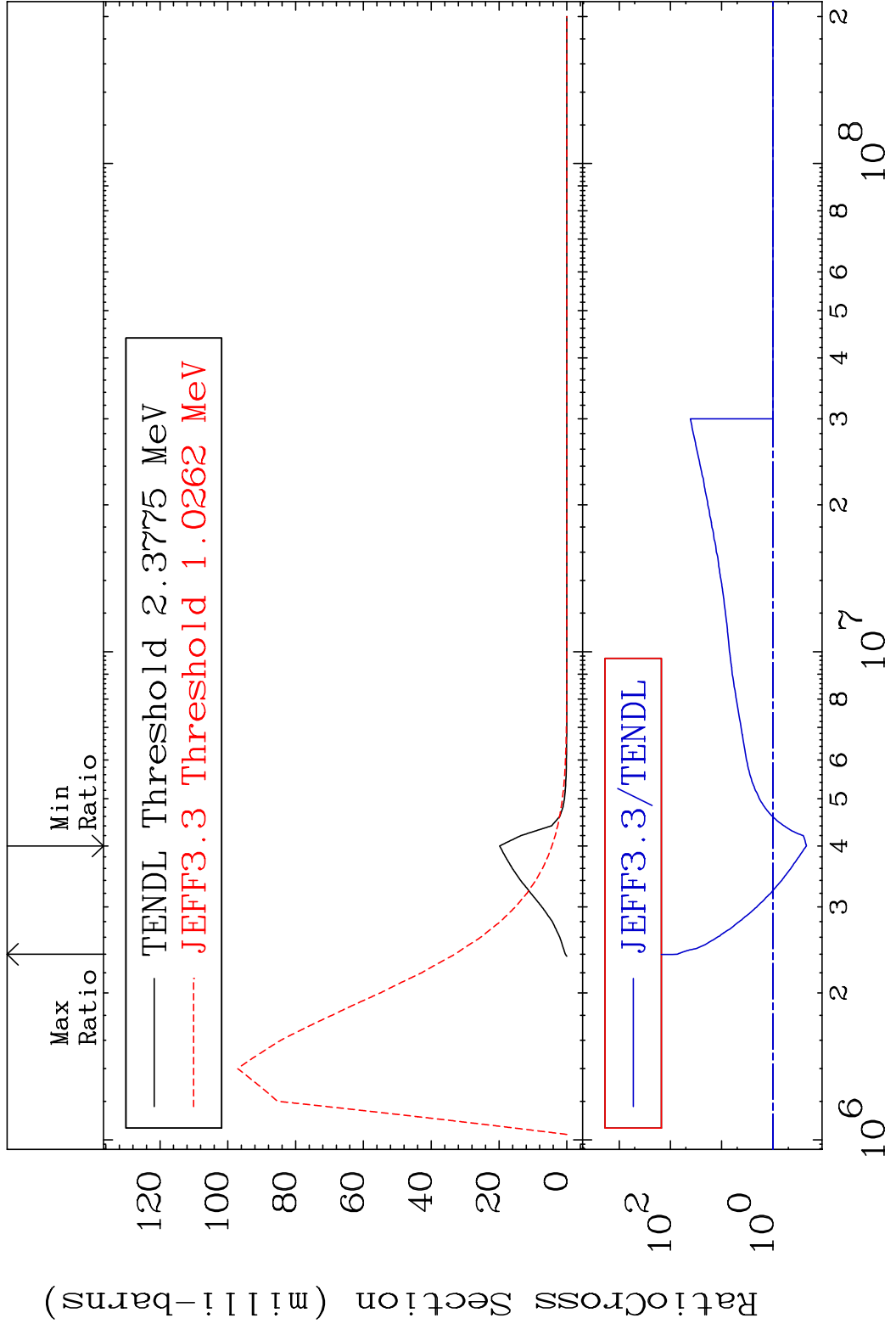


MAT 5534 MT= 61 (n, n') Level 55-Cs-136
 Cross Section -81.49 To 4312. %



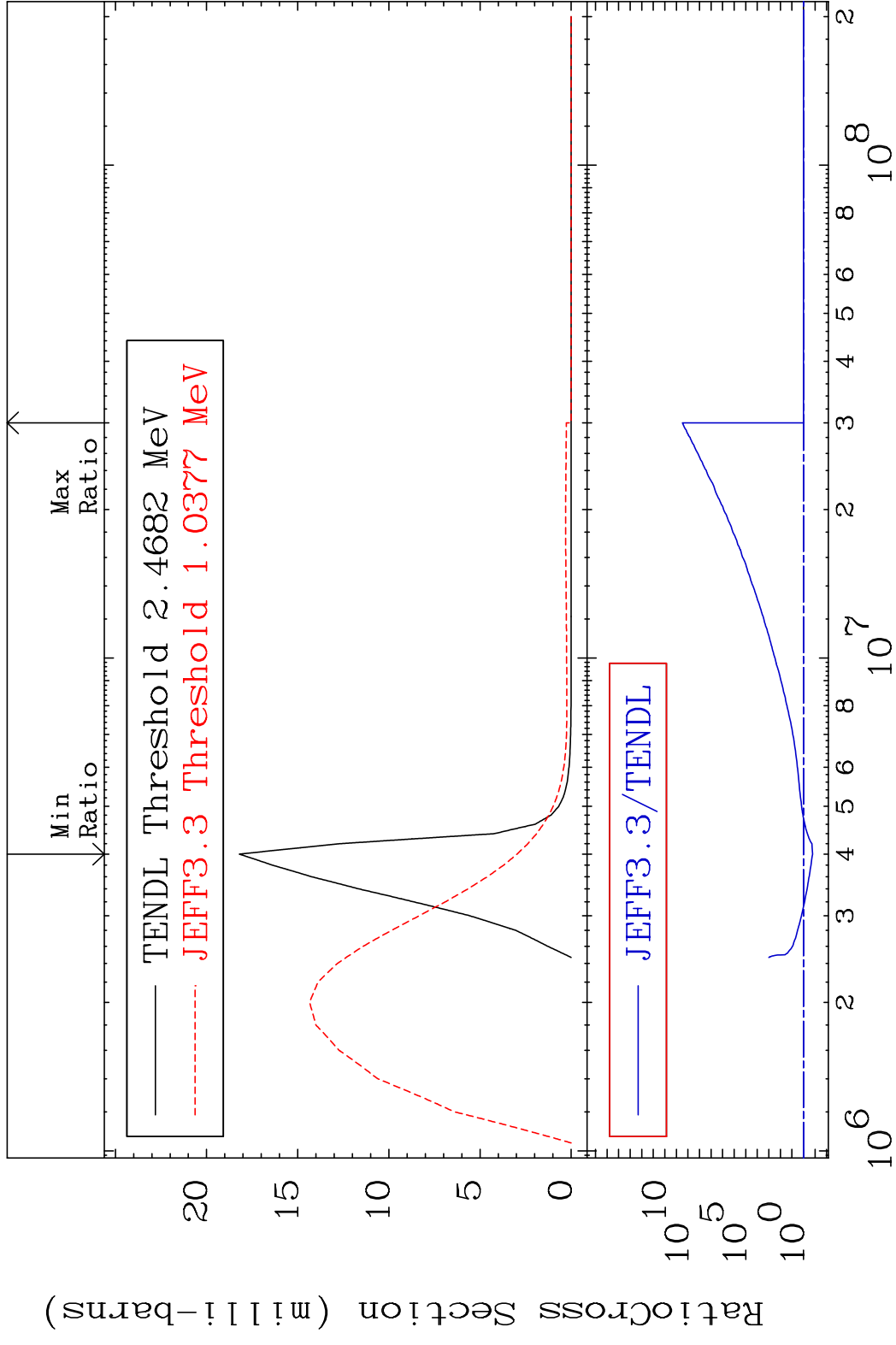
29 Incident Energy (eV) 55-Cs-136

MAT 5534 MT= 62 (n, n') Level 55-Cs-136
 Cross Section -77.83 To 7297. %

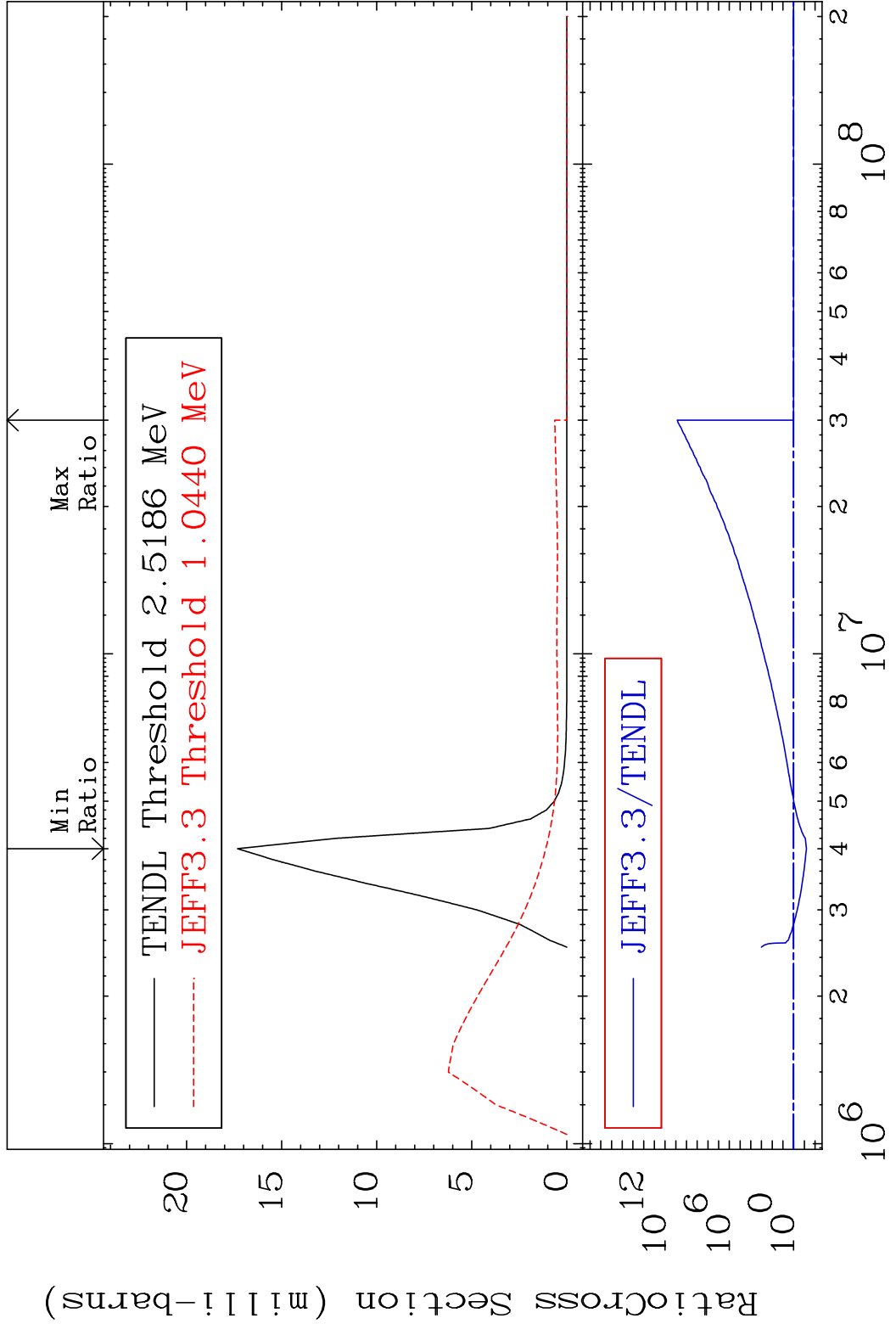


30 Incident Energy (eV) 55-Cs-136

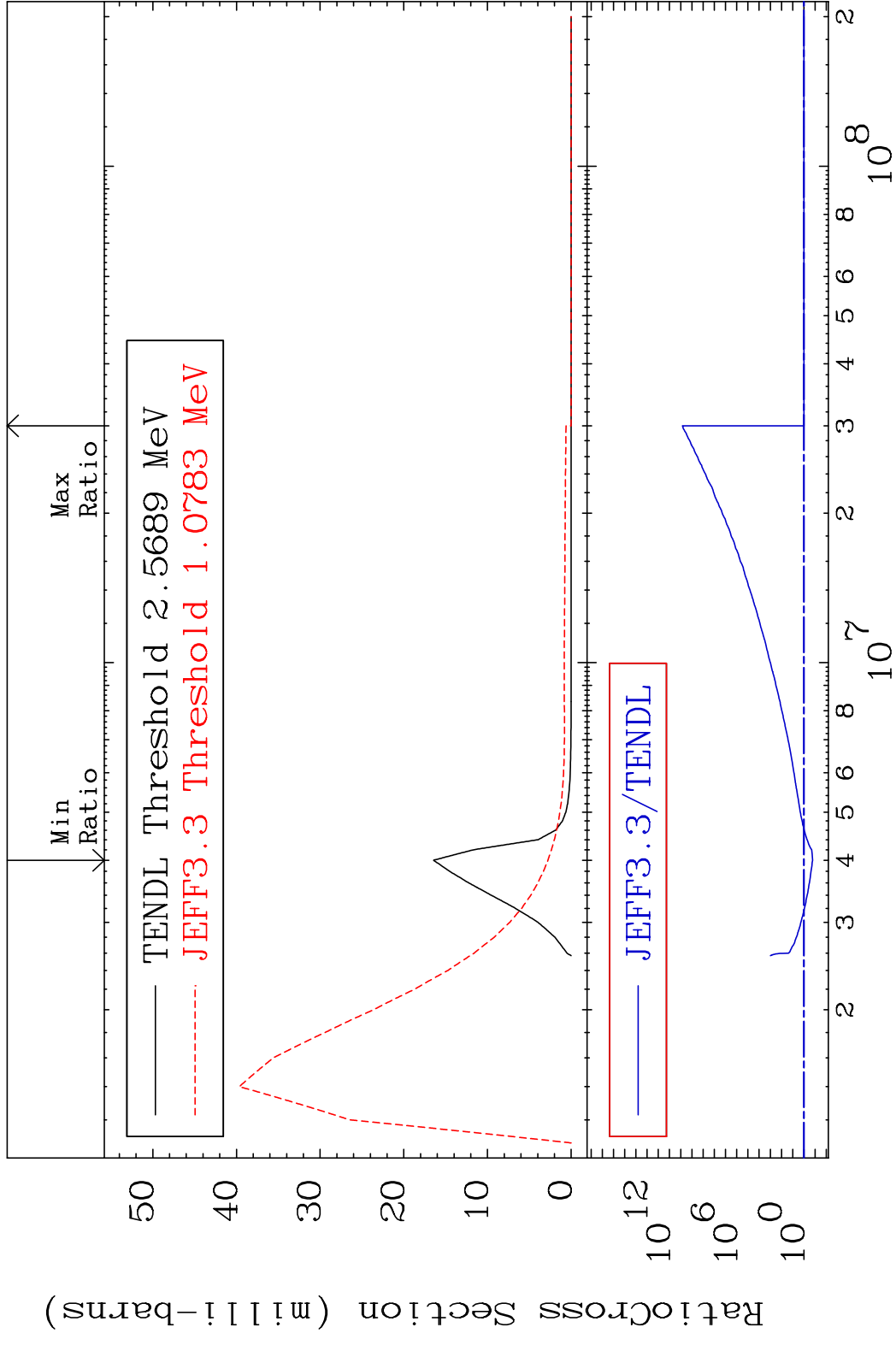
MAT 5534 MT= 63 (n, n') Level 55-Cs-136
 Cross Section -83.70 To 9999. %



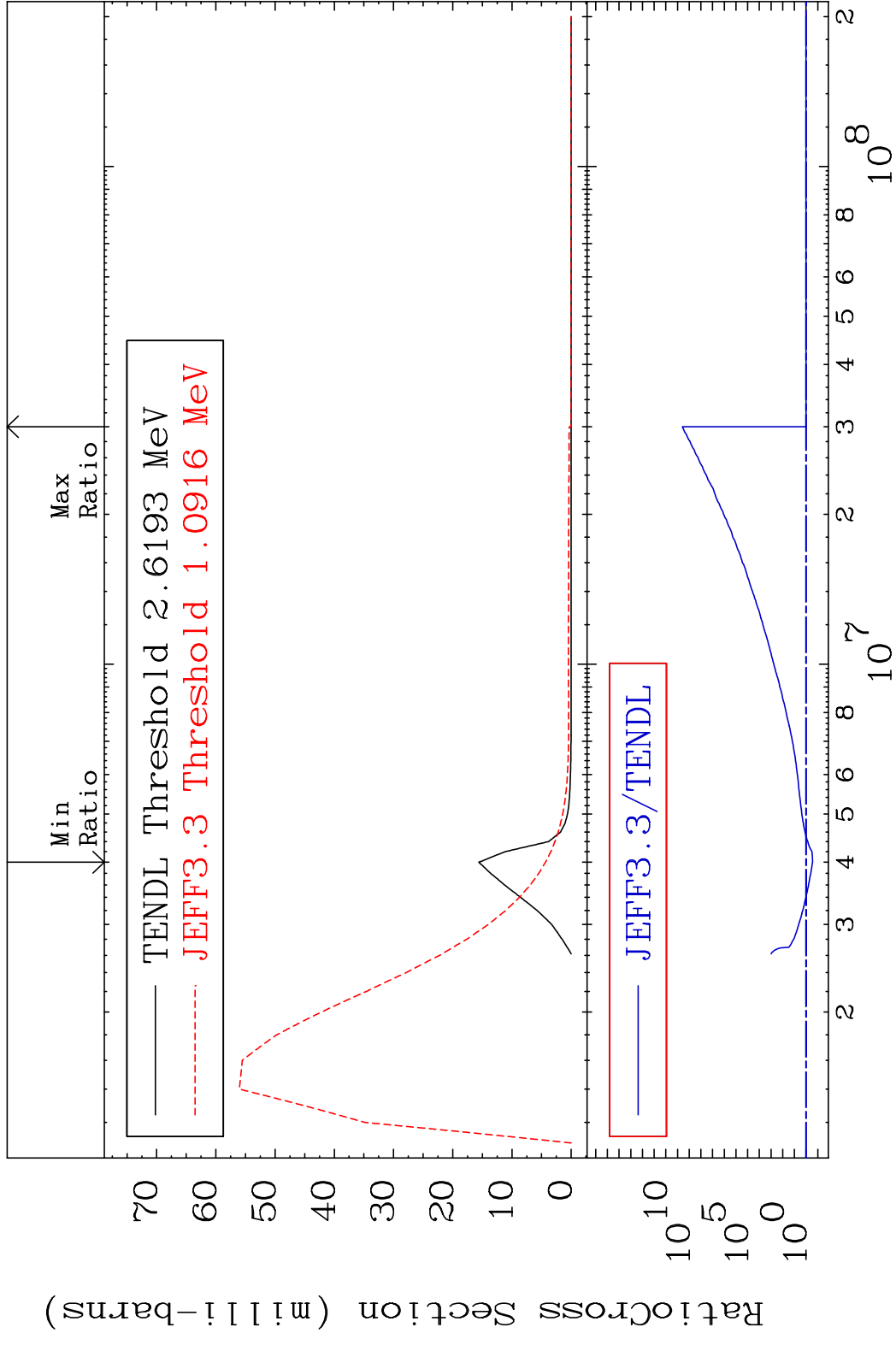
MAT 5534 MT= 64 (n,n') Level 55-Cs-136
 Cross Section -93.60 To 9999. %



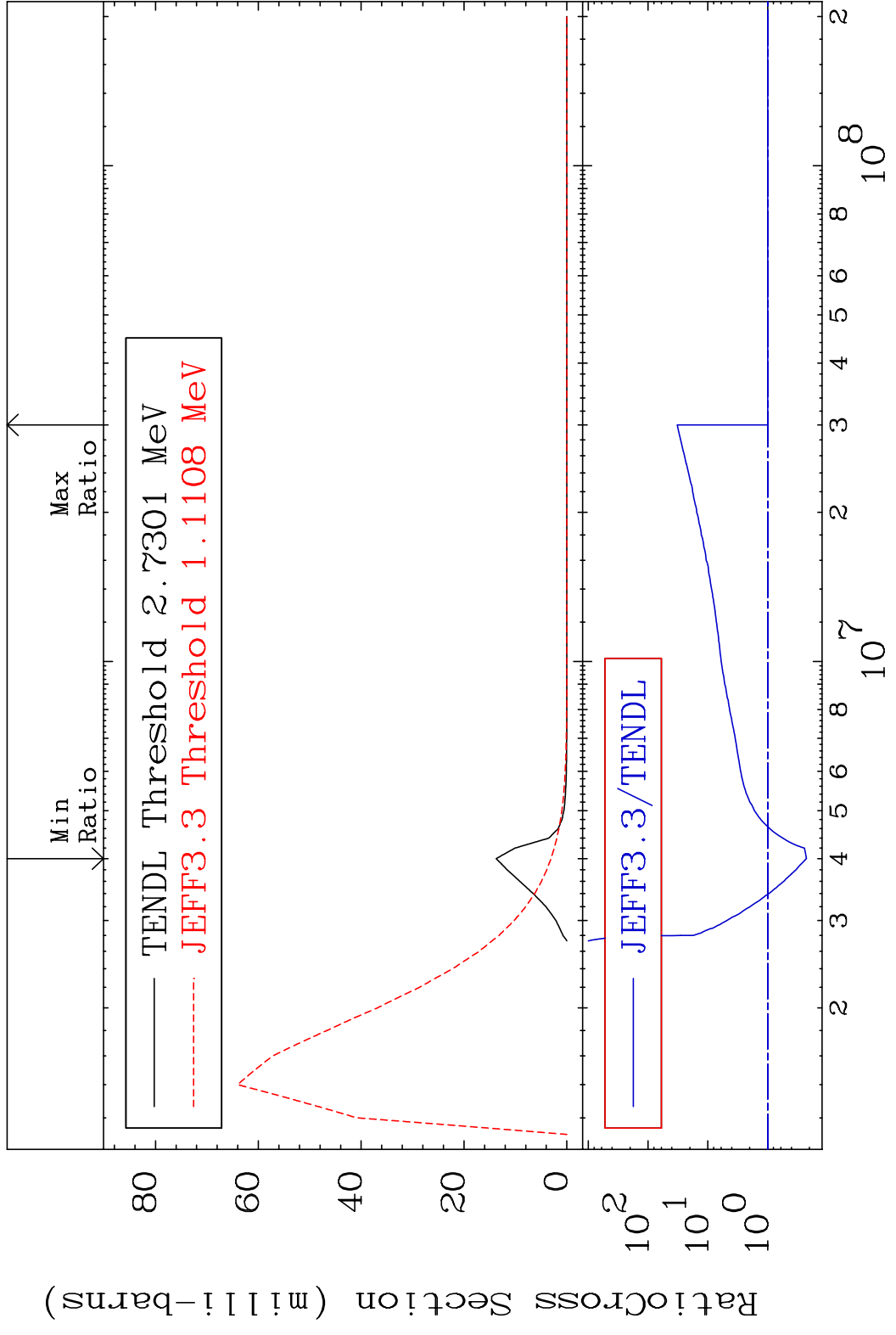
MAT 5534 MT= 65 (n, n') Level 55-Cs-136
 Cross Section -83.10 To 9999. %



MAT 5534 MT= 66 (n, n') Level 55-Cs-136
 Cross Section -72.24 To 9999. %



MAT 5534 MT= 67 (n, n') Level 55-Cs-136
 Cross Section -77.53 To 3162. %

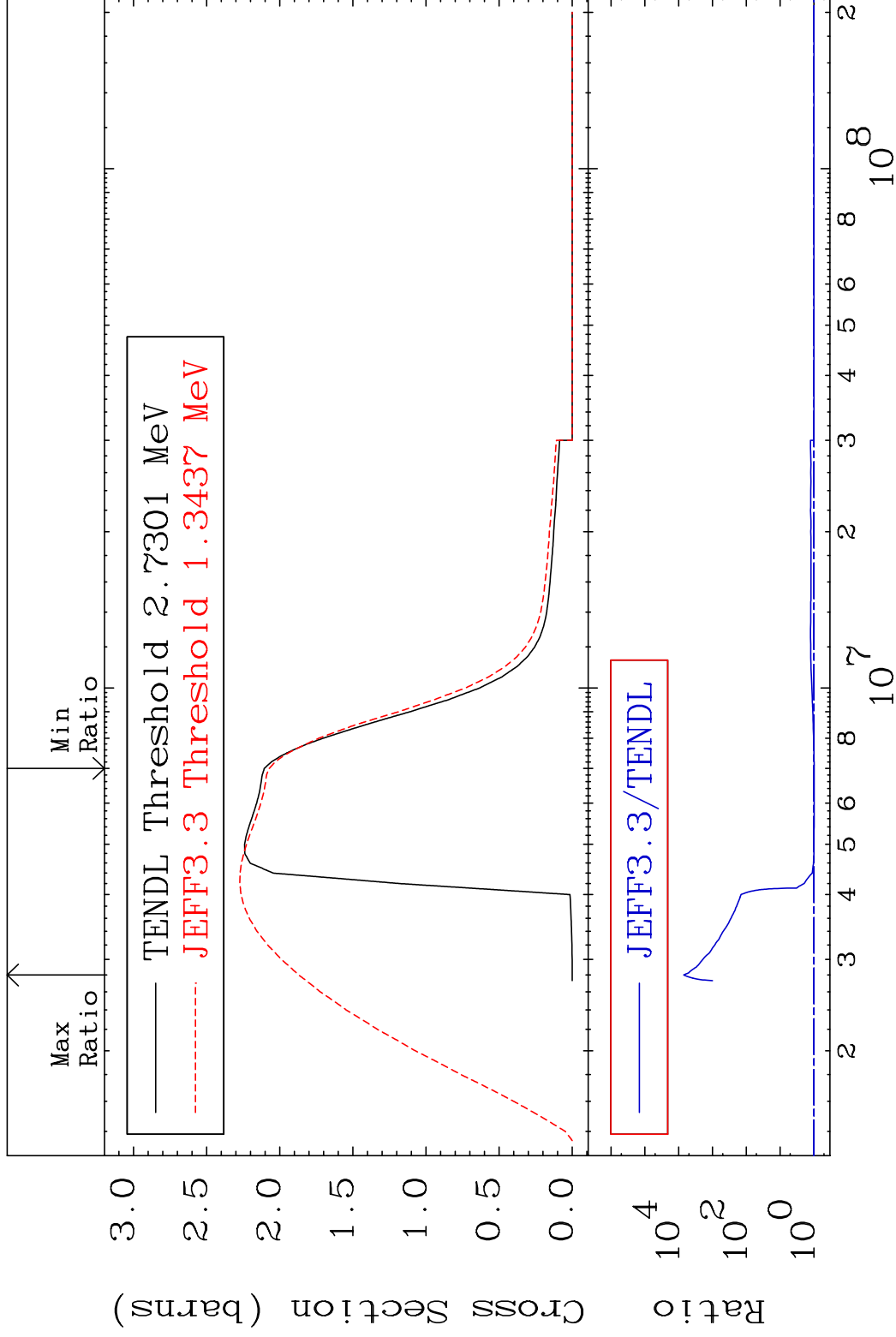


MAT 5534

(n, n') Continuum

55-Cs-136

Cross Section -1.600 To 9999. %



36

Incident Energy (eV)

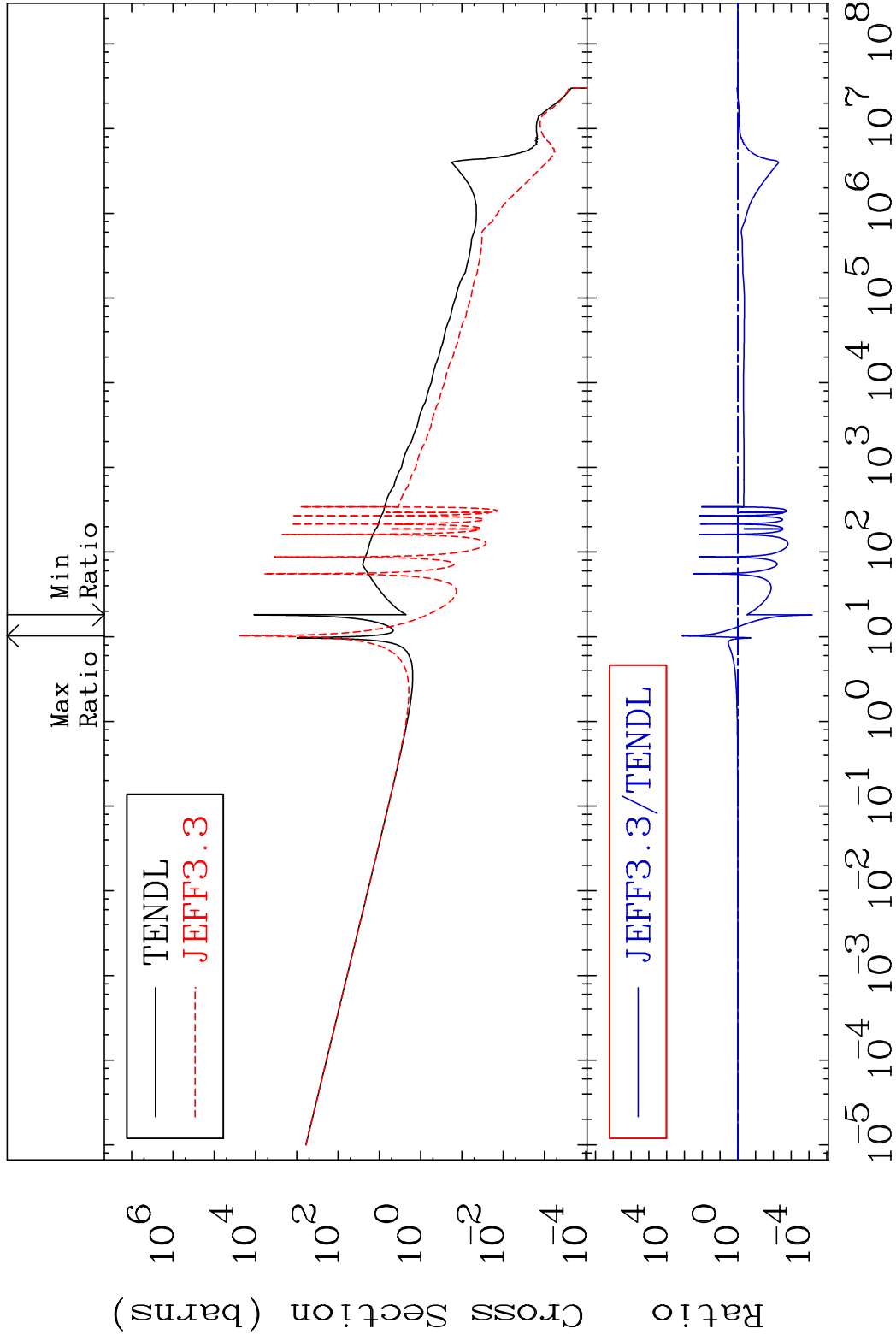
55-Cs-136

MAT 5534

(n, γ)

55-Cs-136

Cross Section -99.99 To 9999. %



37

Incident Energy (eV)

55-Cs-136

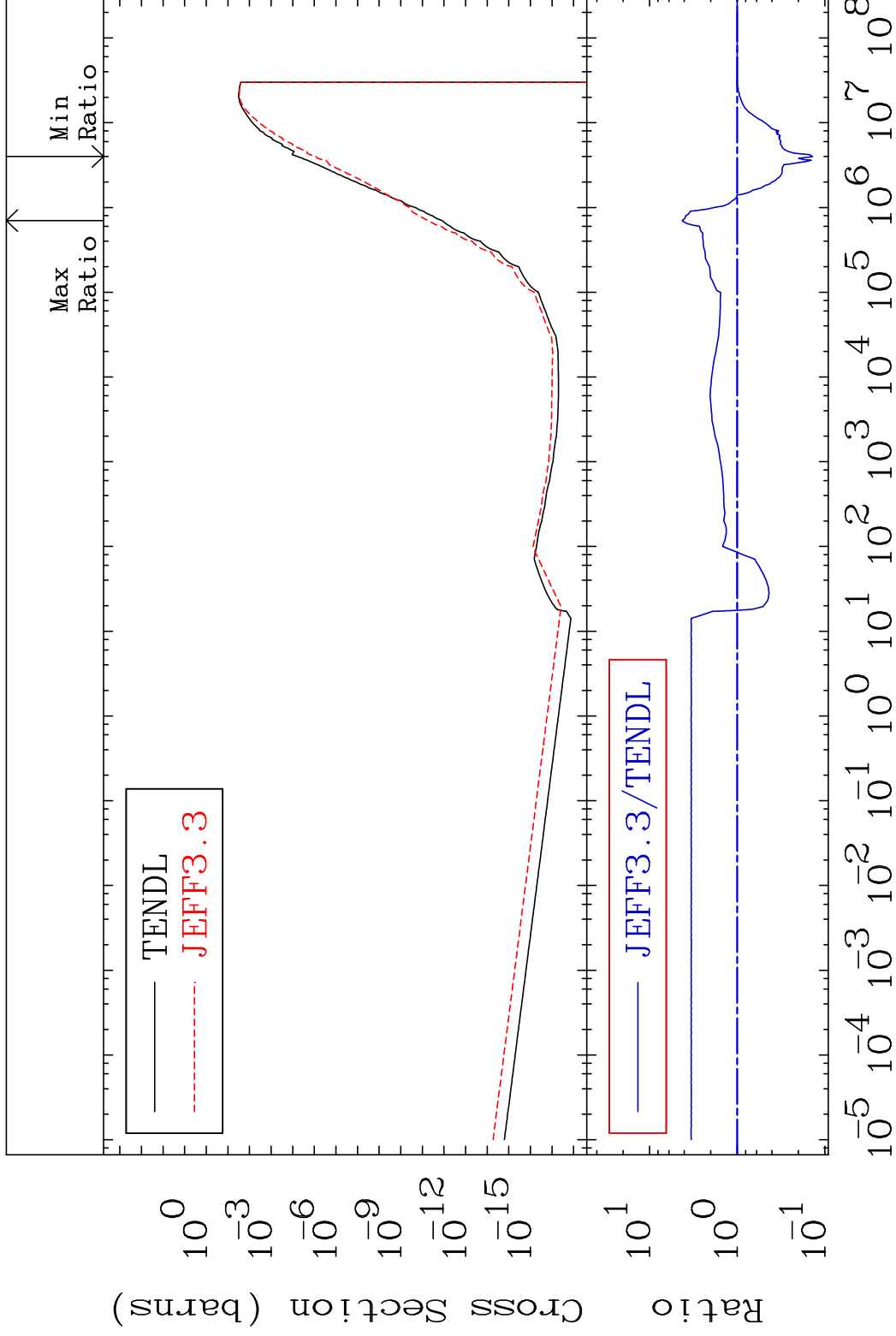
MAT 5534

(n, p)

55-Cs-136

Cross Section

-86.20 To 323.8 %



38

Incident Energy (eV)

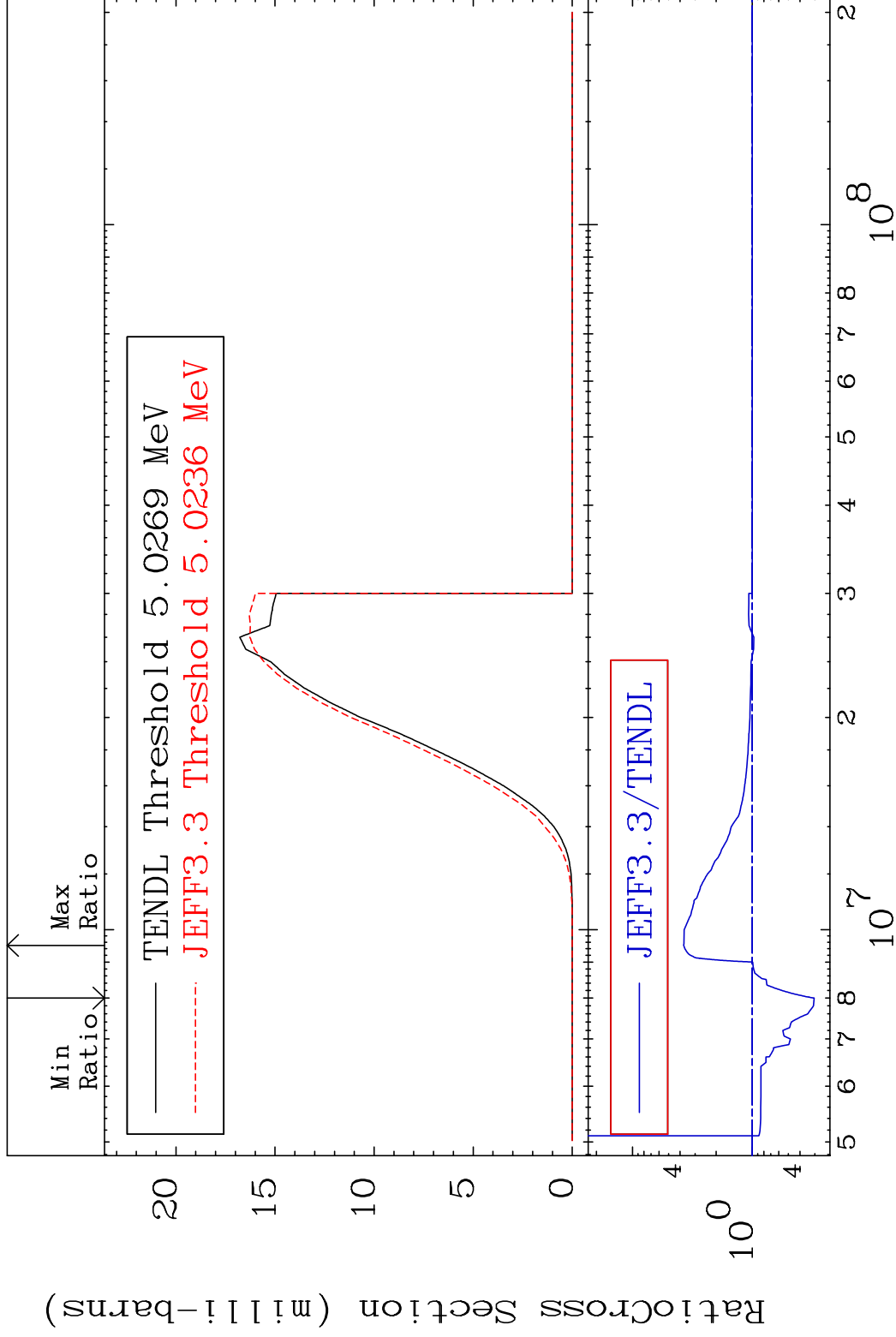
55-Cs-136

MAT 5534

(n, d)

55-Cs-136

Cross Section -69.55 To 273.6 %



39

Incident Energy (eV)

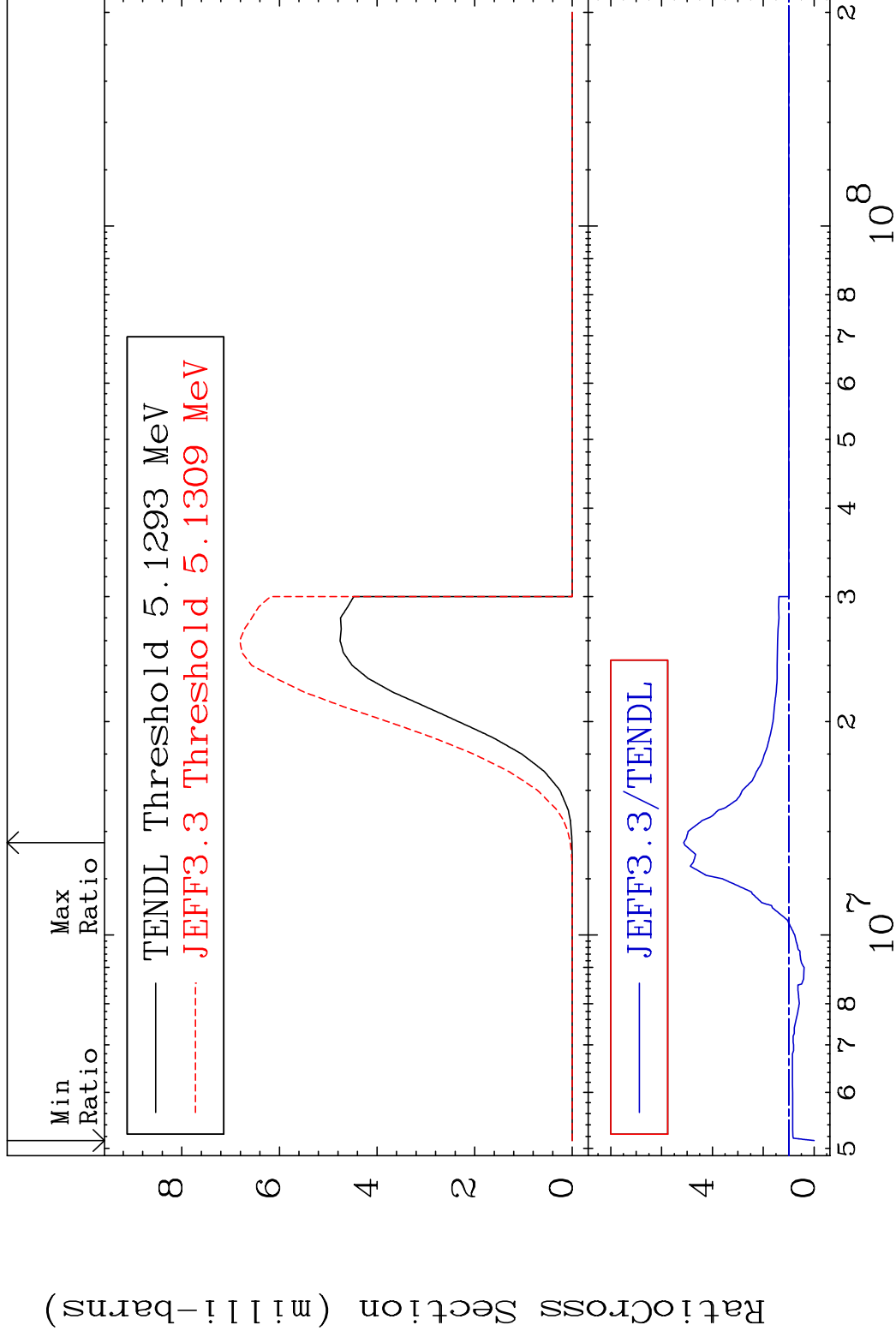
55-Cs-136

MAT 5534

(n, t)

55-Cs-136

Cross Section -100.0 To 413.2 %



40

Incident Energy (eV)

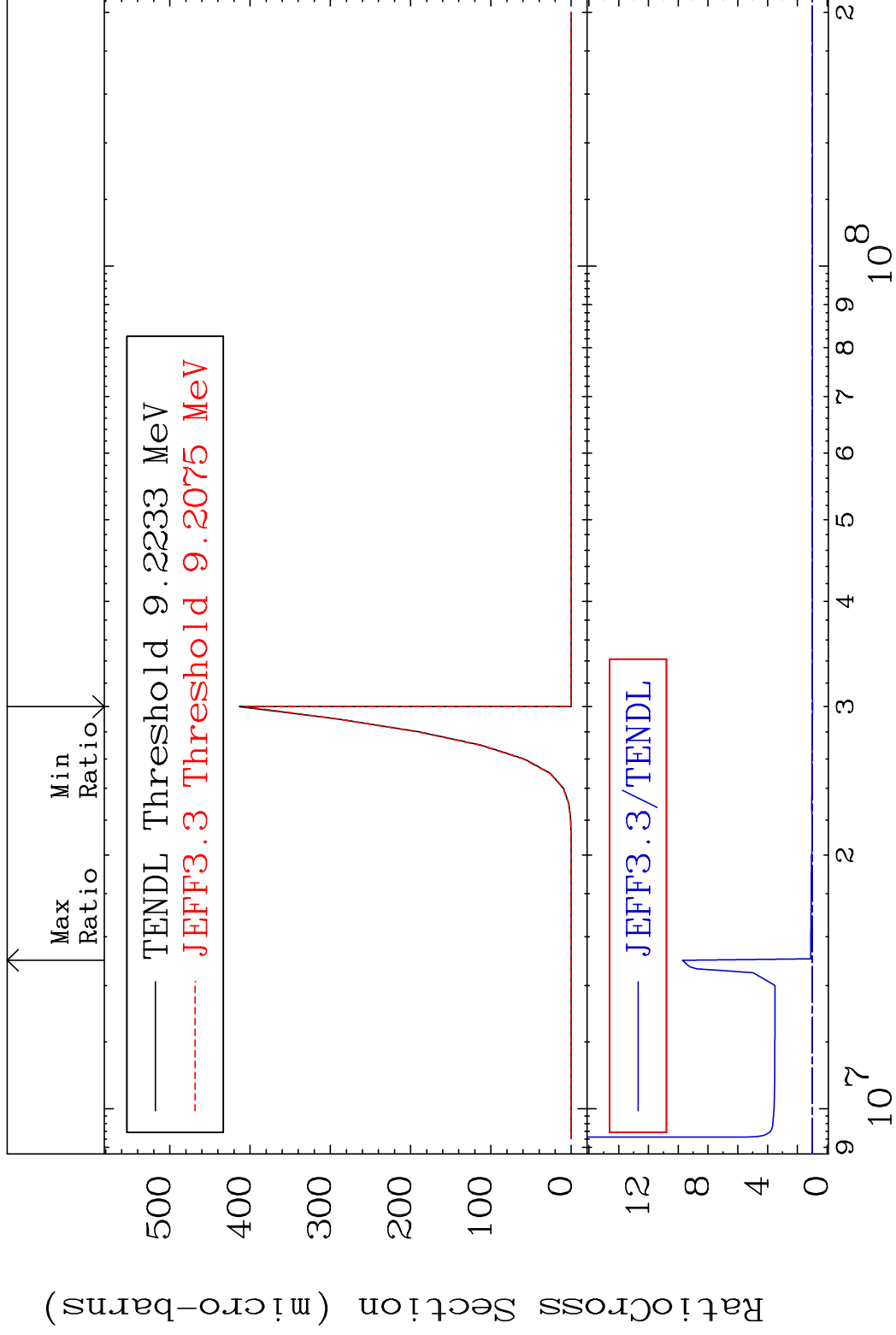
55-Cs-136

MAT 5534

(n, He-3)

55-Cs-136

Cross Section -1.861 To 872.5 %



41

Incident Energy (eV)

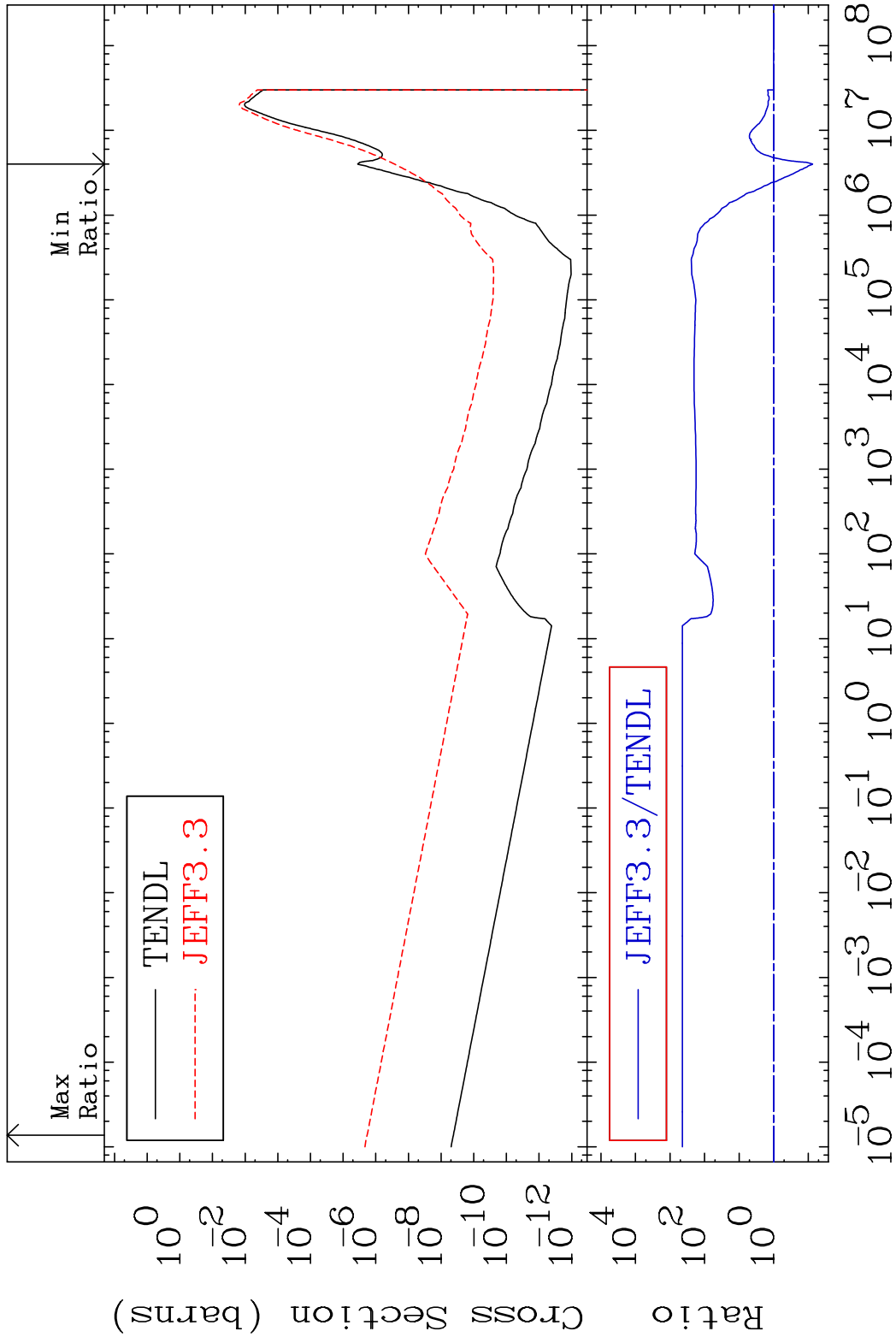
55-Cs-136

MAT 5534

(n, α)

55-Cs-136

Cross Section -92.51 To 9999. %

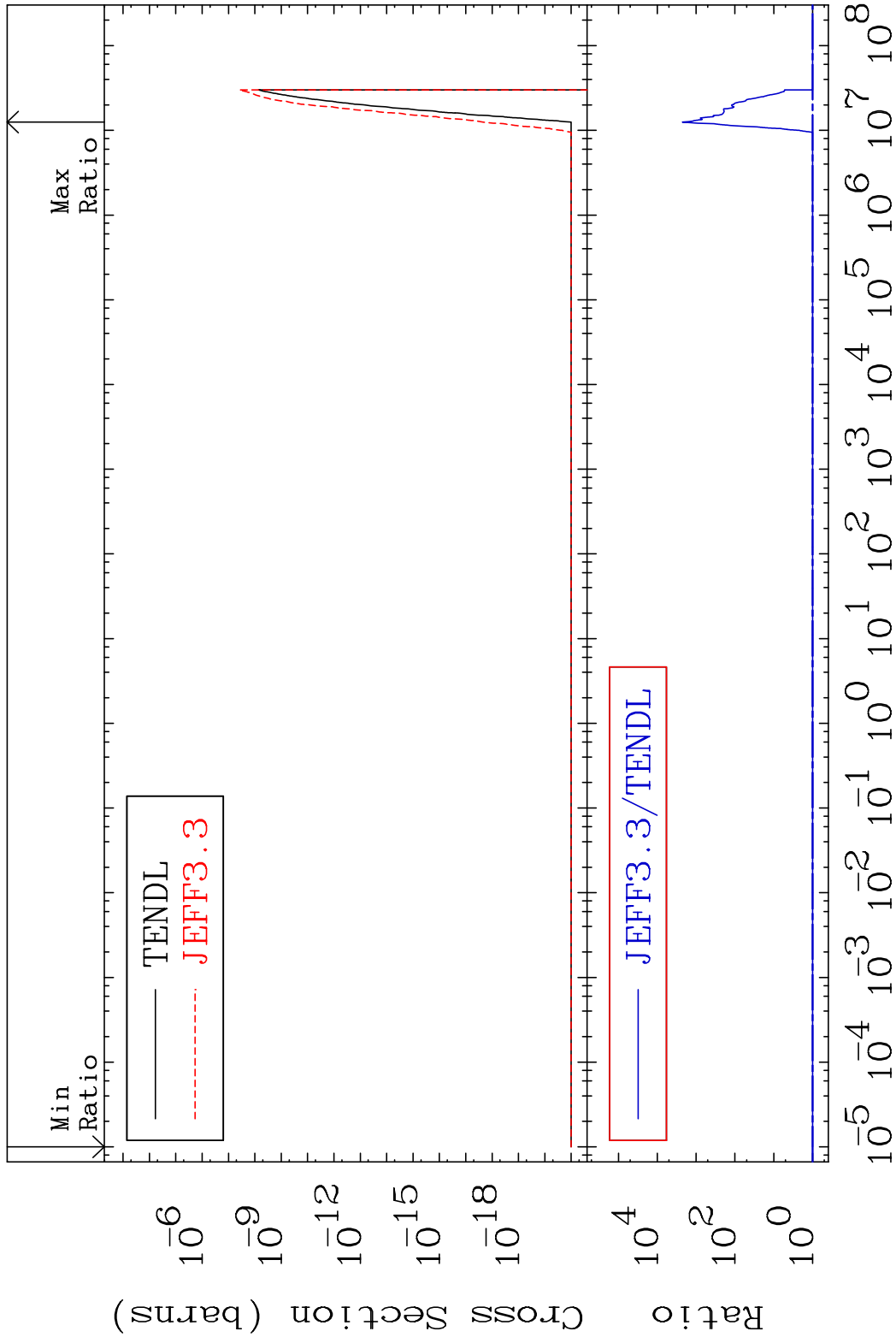


MAT 5534

(n,2α)

55-Cs-136

Cross Section 0.000 To 9999. %



43

Incident Energy (eV)

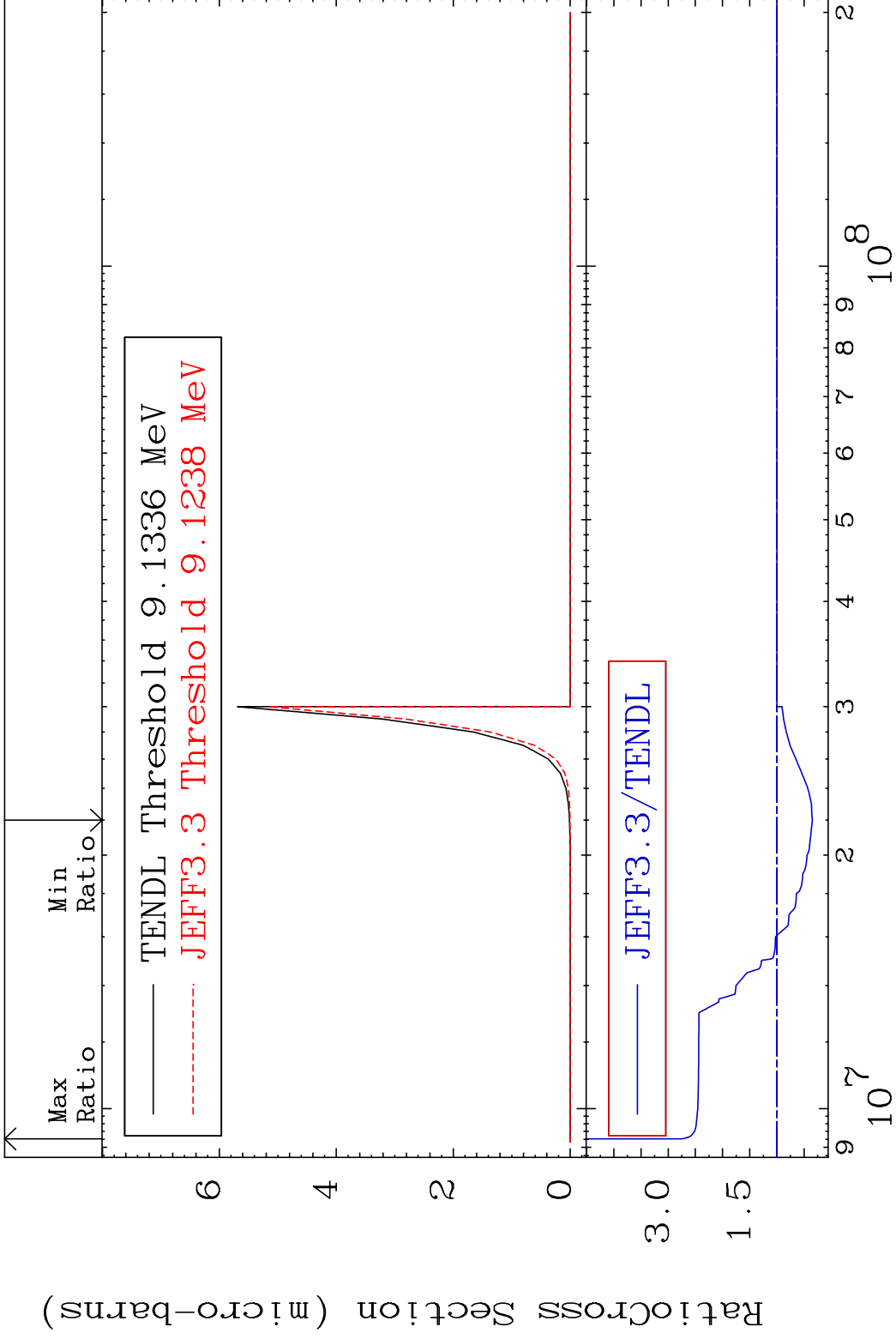
55-Cs-136

MAT 5534

(n,2p)

55-Cs-136

Cross Section -65.15 To 175.1 %



44

Incident Energy (eV)

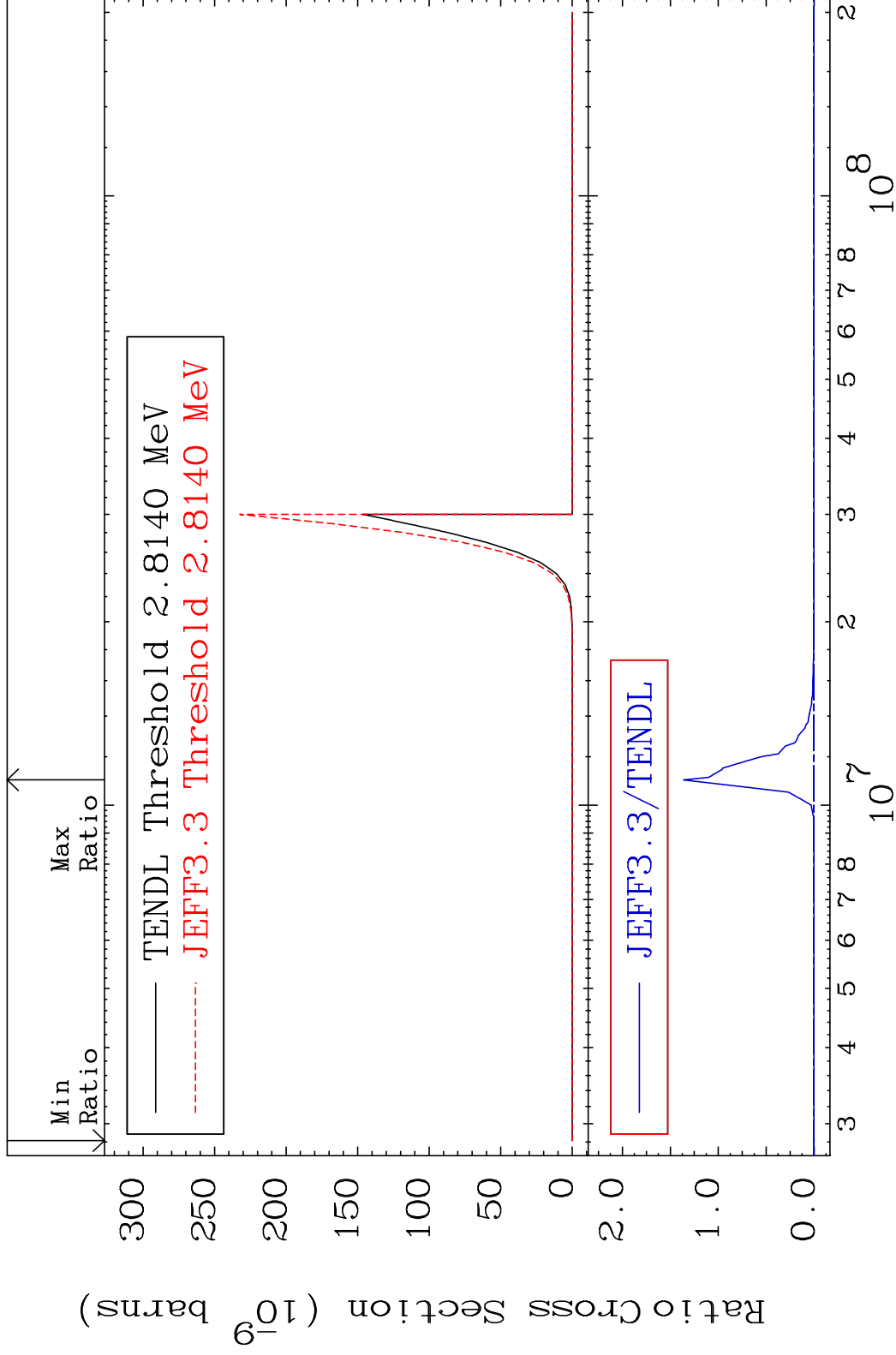
55-Cs-136

MAT 5534

(n,p) α

55-Cs-136

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

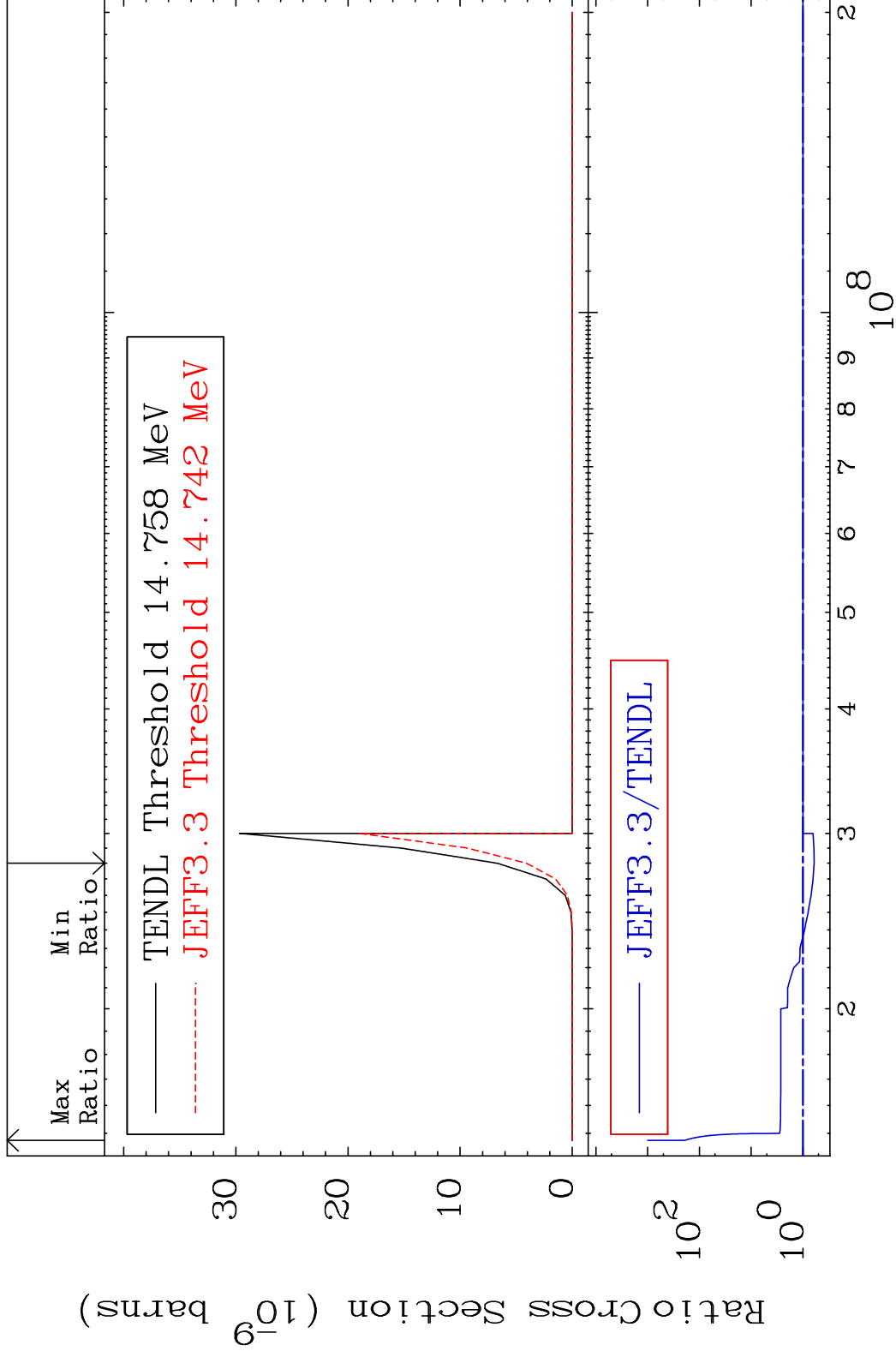
55-Cs-136

MAT 5534

(n,p) d

55-Cs-136

Cross Section -39.05 To 9999. %



46

Incident Energy (eV)

55-Cs-136

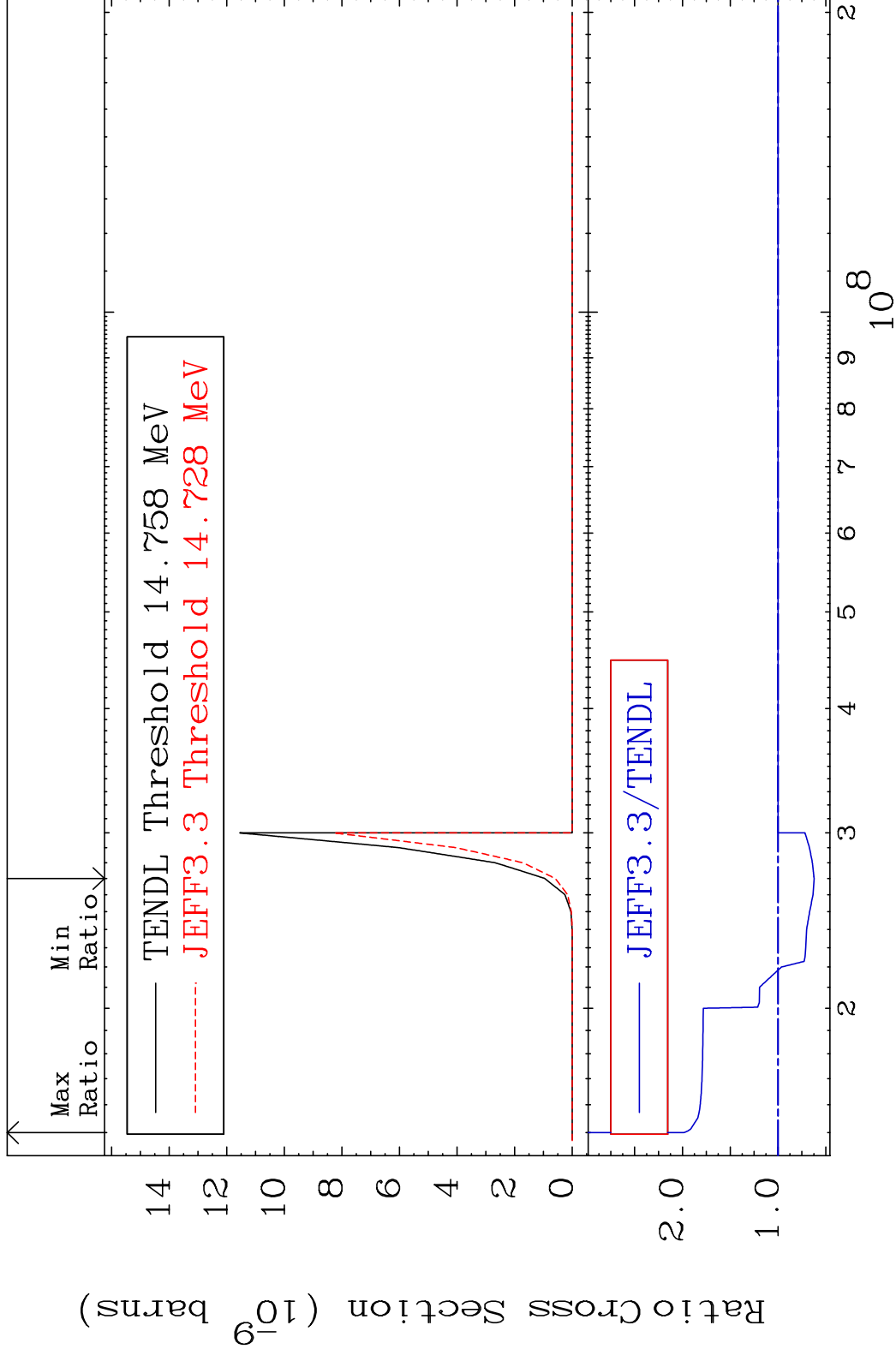
MAT 5534

(n,p) t

55-Cs-136

Cross Section

-37.80 To 98.73 %



47

Incident Energy (eV)

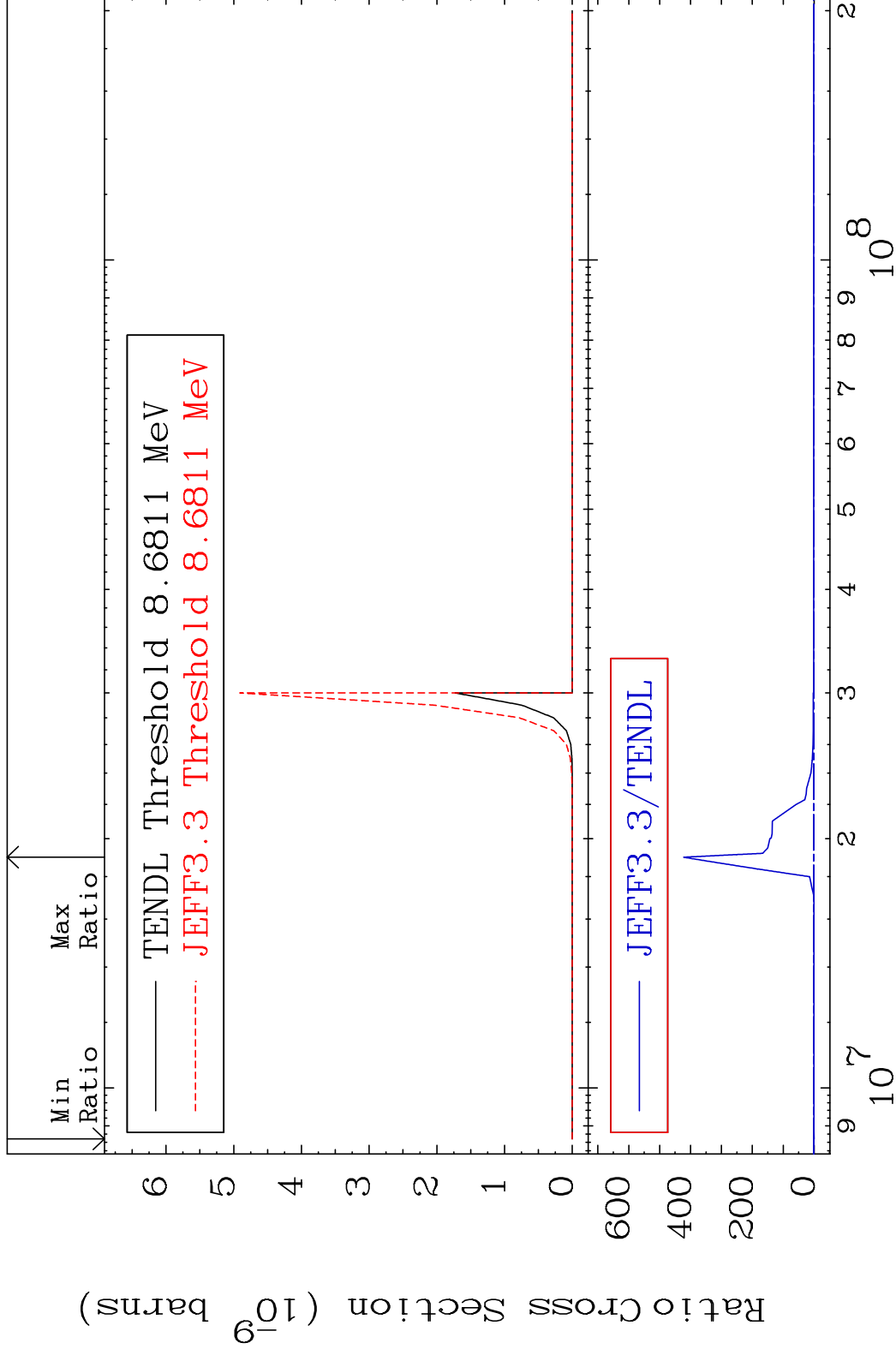
55-Cs-136

MAT 5534

(n,d) α

55-Cs-136

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

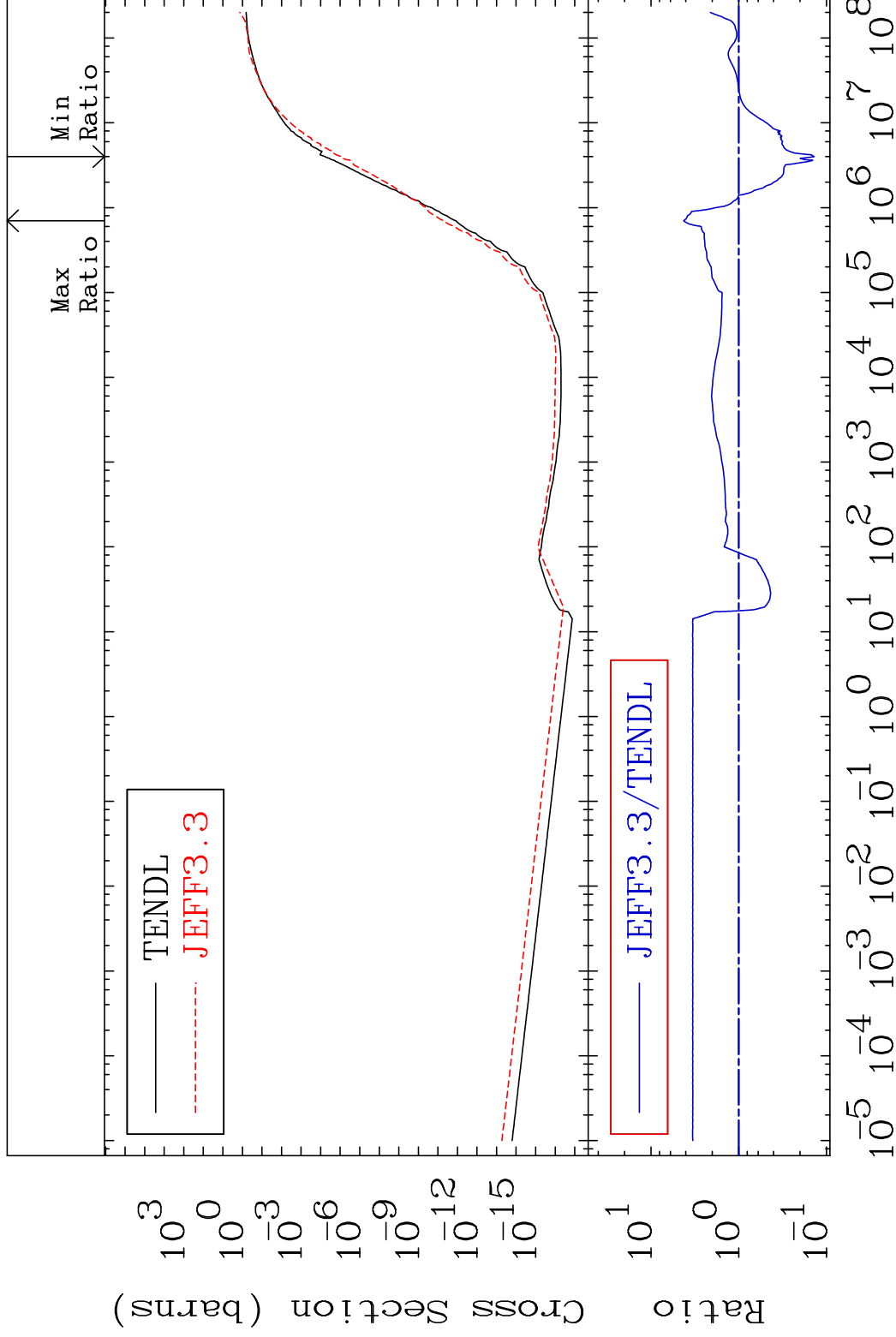
55-Cs-136

MAT 5534

Hydrogen Production

55-Cs-136

Cross Section -86.20 To 323.8 %



49

Incident Energy (eV)

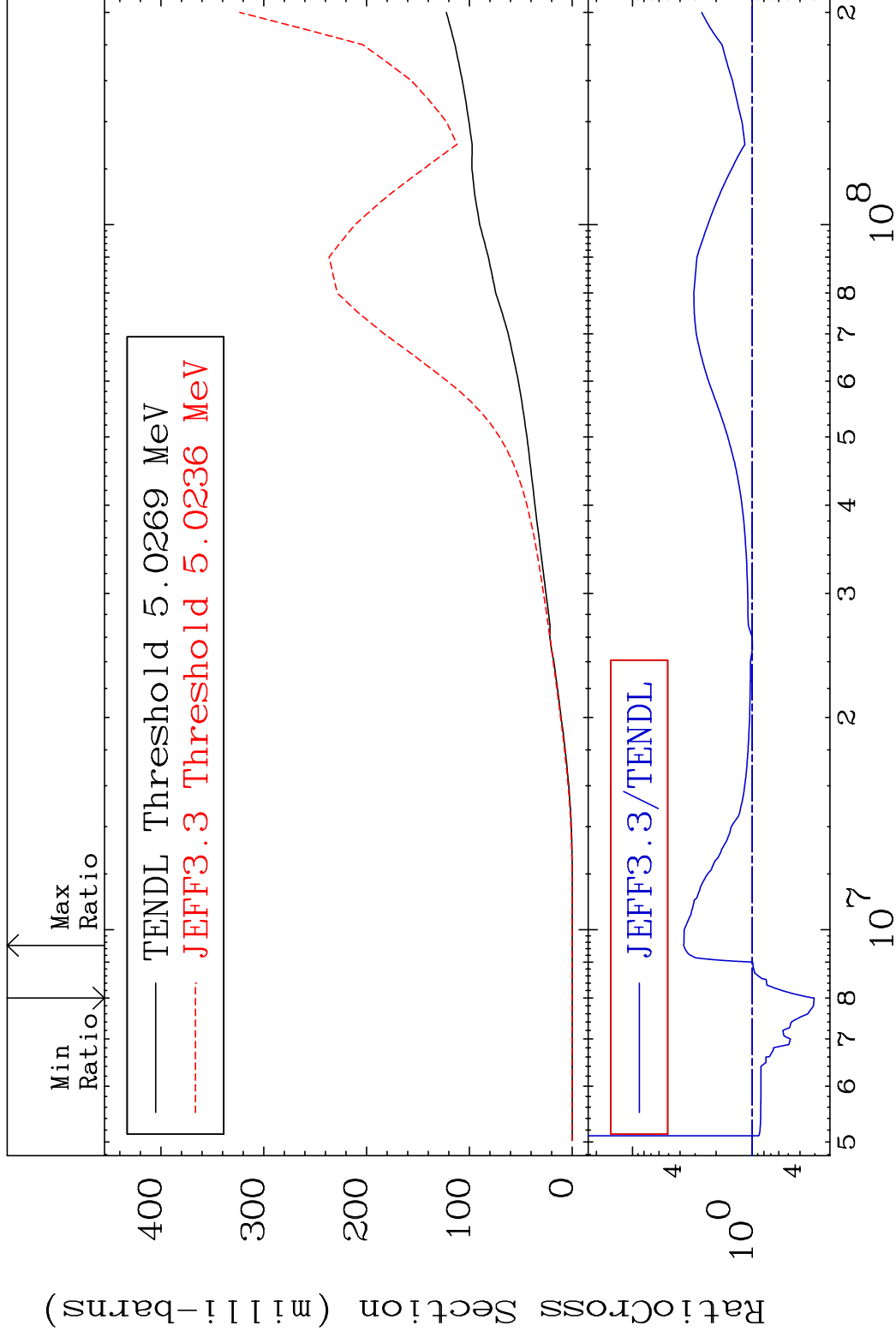
55-Cs-136

MAT 5534

Deuterium Production

55-Cs-136

Cross Section -69.55 To 273.6 %

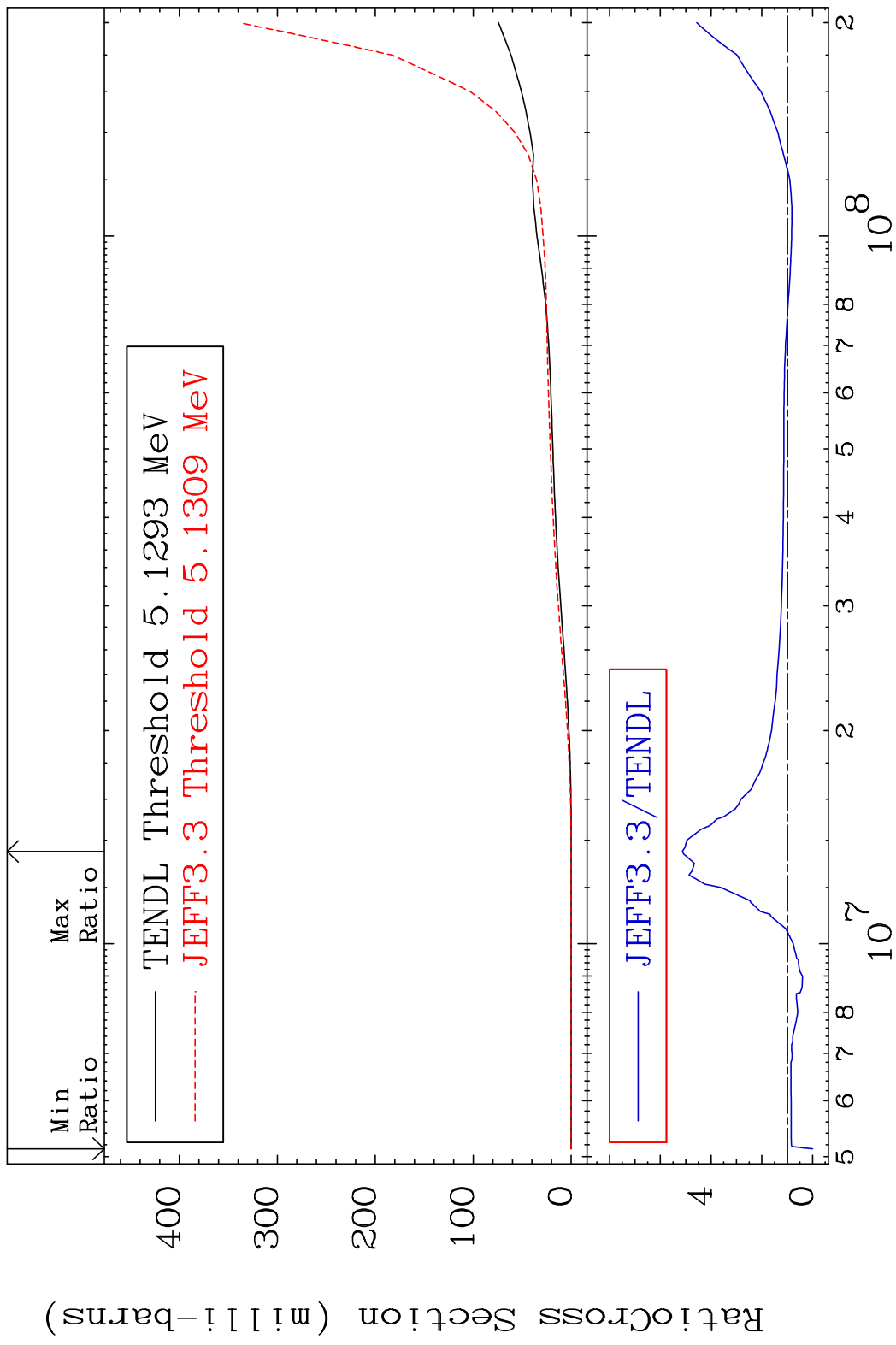


50

Incident Energy (eV)

55-Cs-136

MAT 5534 Tritium Production 55-Cs-136
 Cross Section -100.0 To 413.2 %

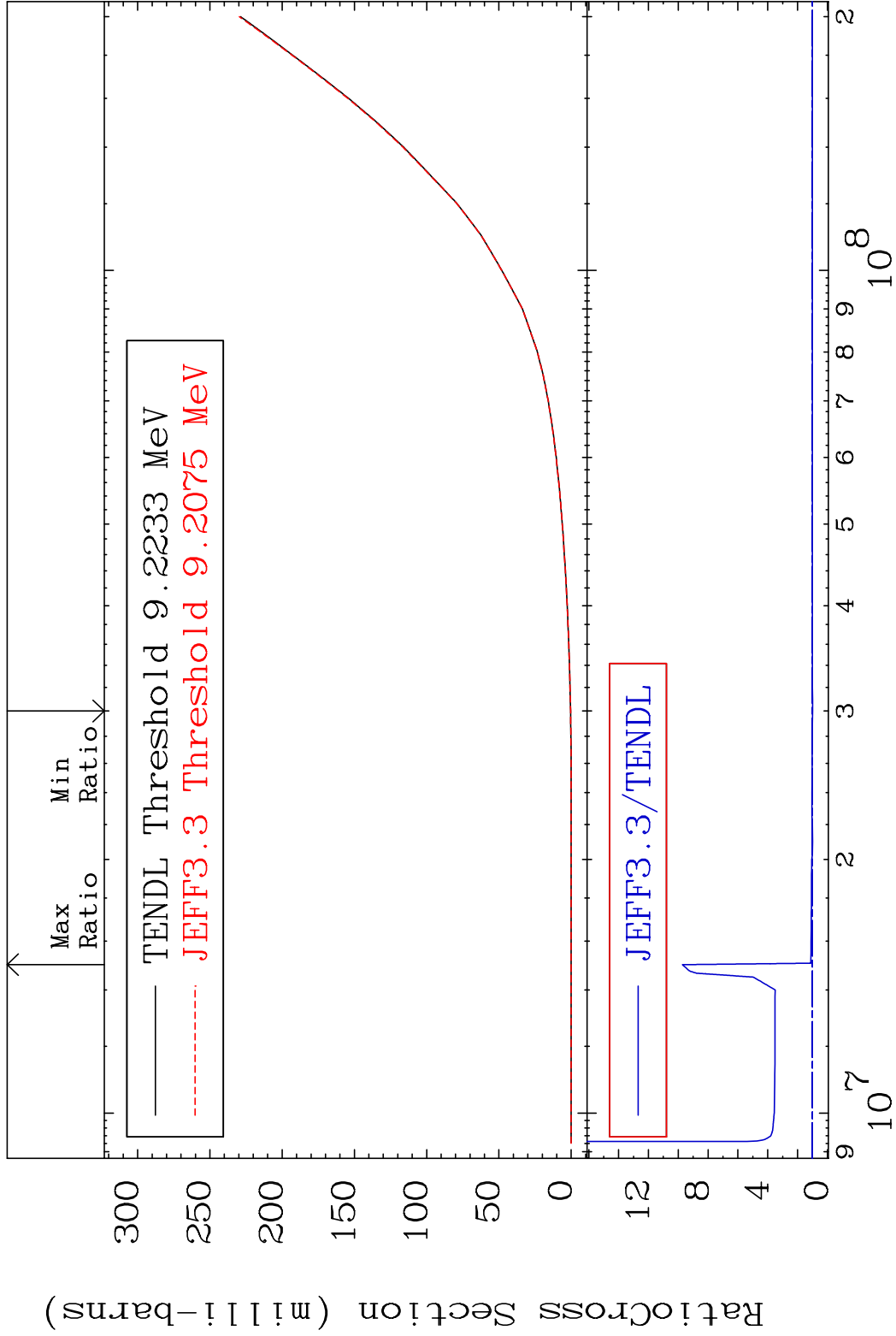


MAT 5534

He-3 Production

55-Cs-136

Cross Section -0.775 To 872.5 %



52

Incident Energy (eV)

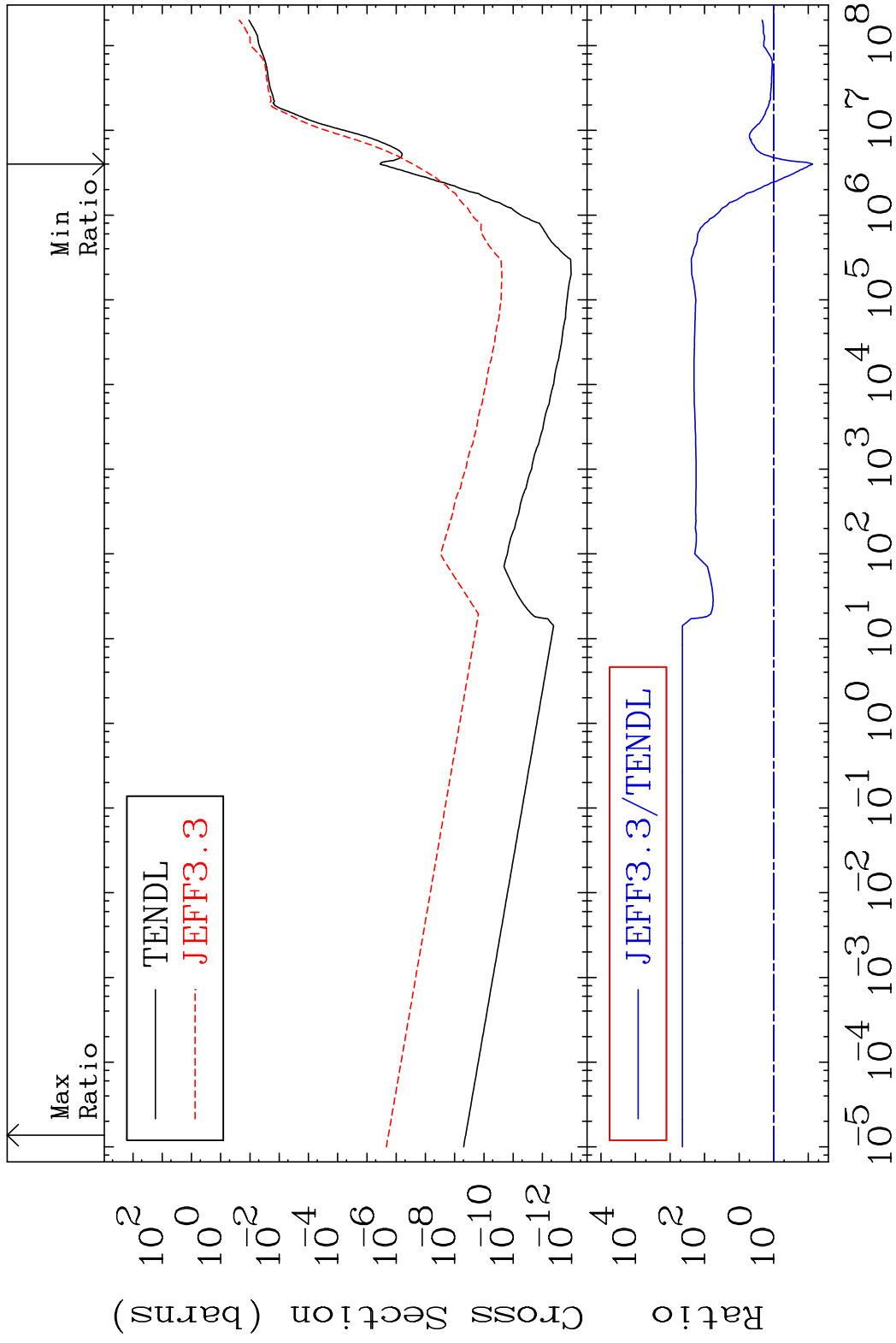
55-Cs-136

MAT 5534

He-4 Production

55-Cs-136

Cross Section -92.51 To 9999. %

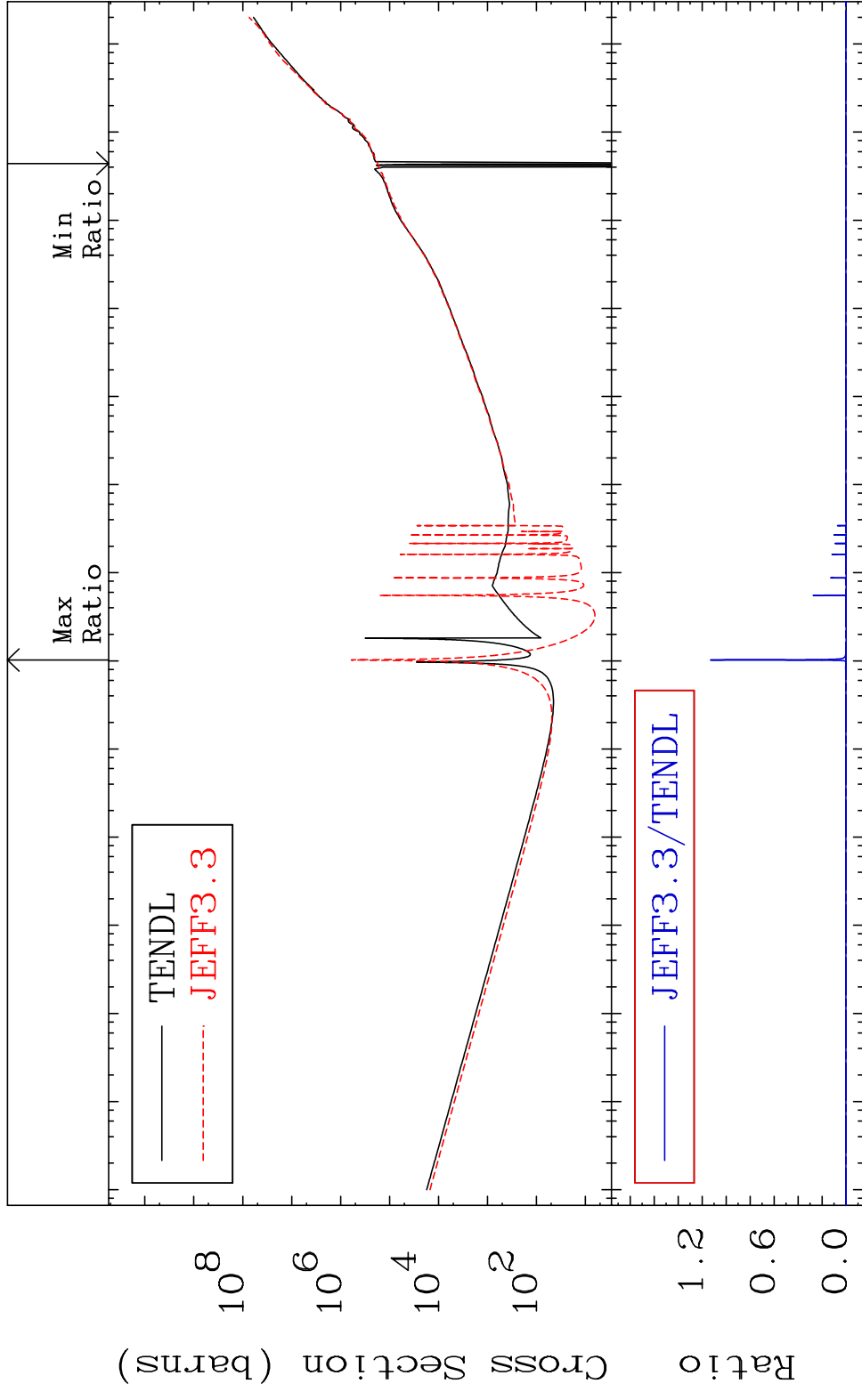


53

Incident Energy (eV)

55-Cs-136

MAT 5534 Kerma total (eV-barns) 55-Cs-136
 Cross Section -271.9 To 9999. %

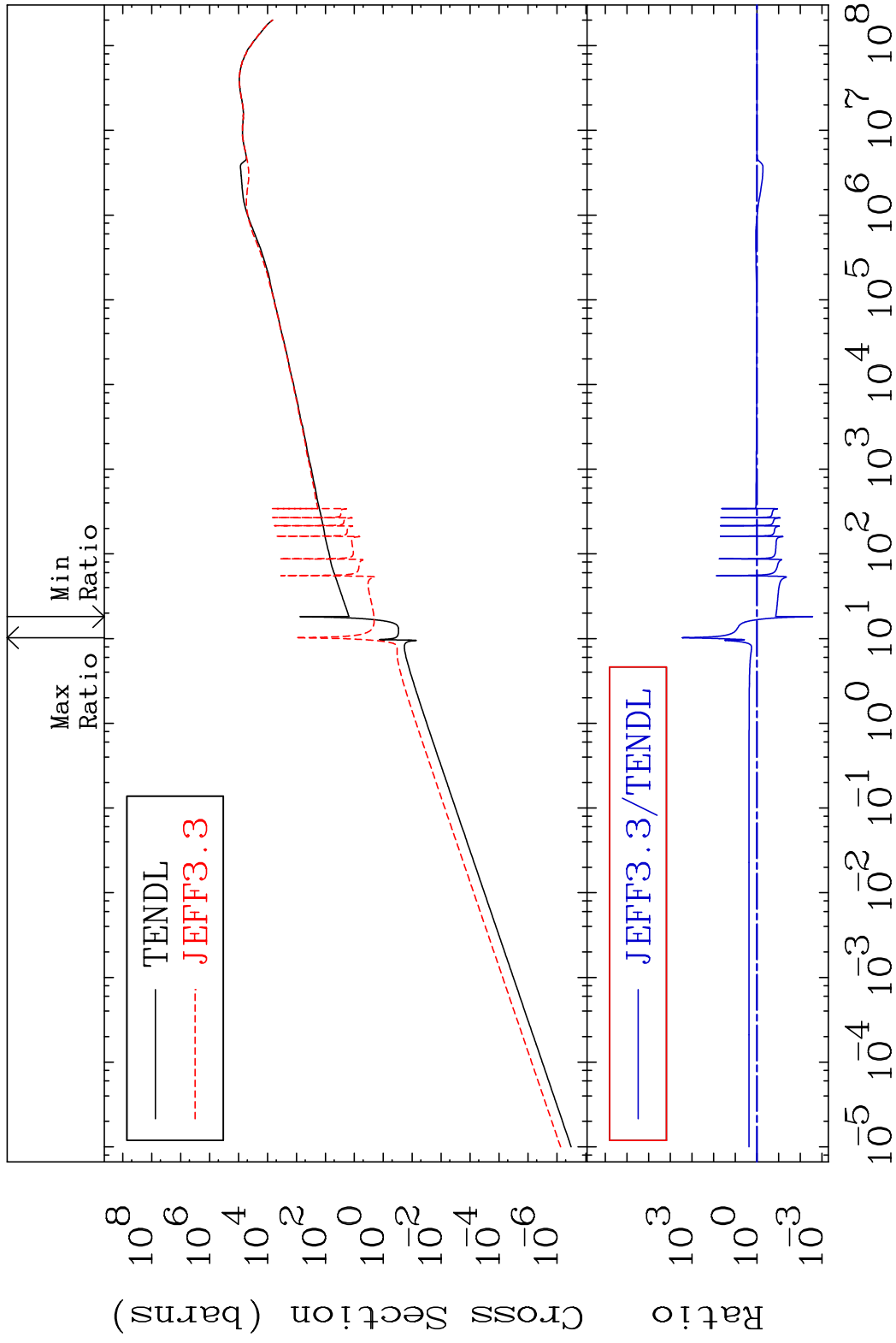


MAT 5534

Kerma elastic

55-Cs-136

Cross Section -99.73 To 9999. %

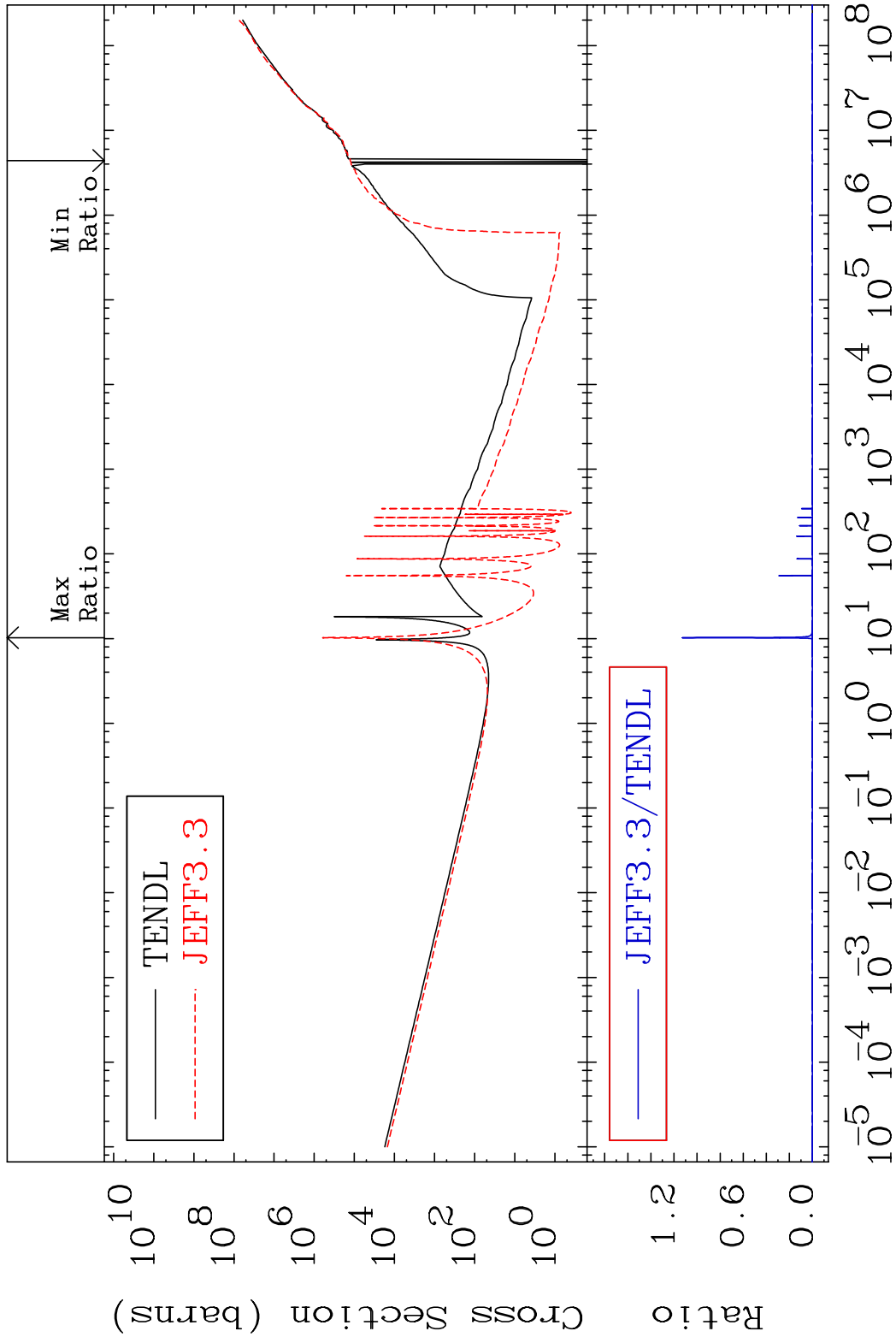


55

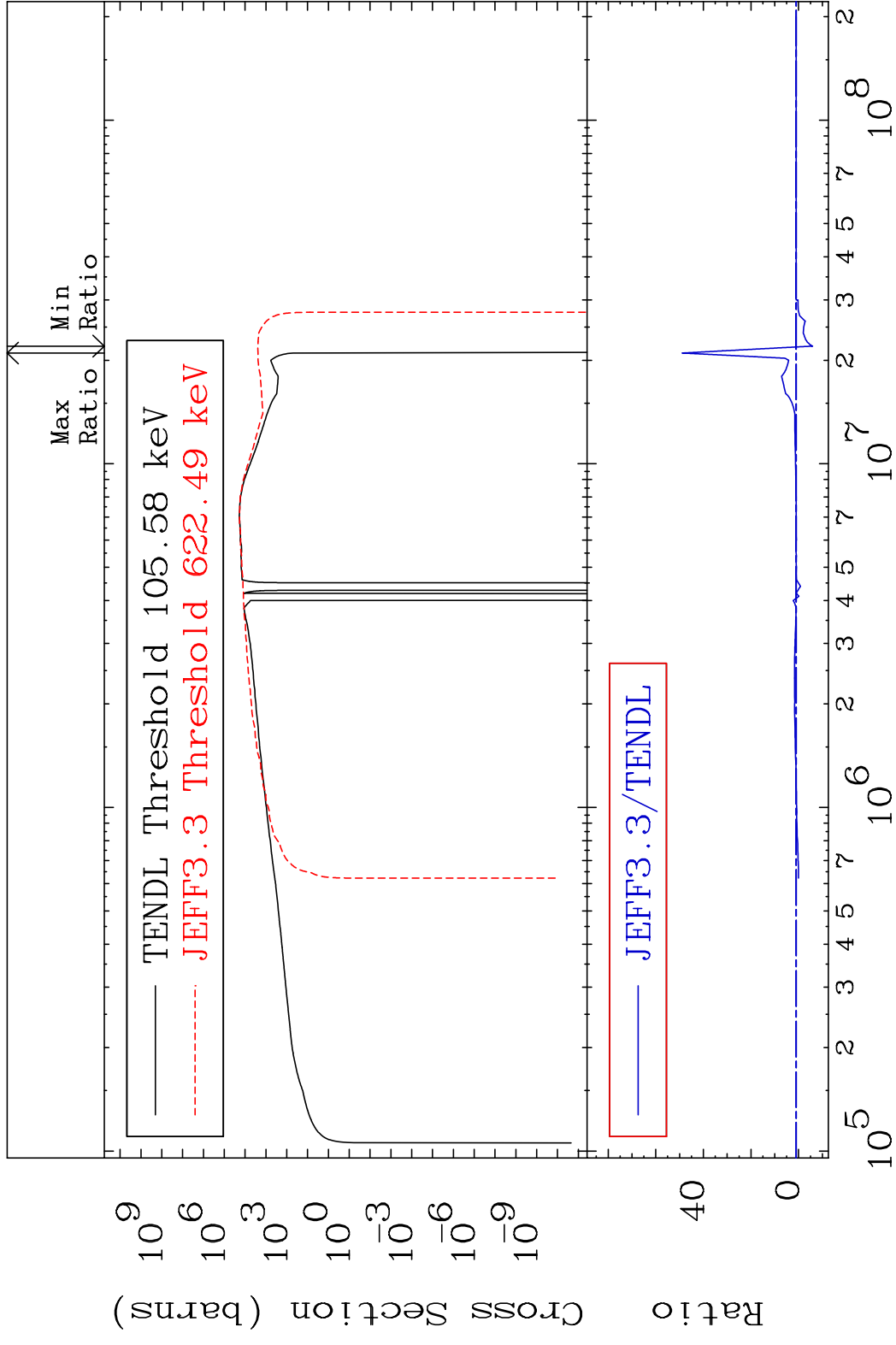
Incident Energy (eV)

55-Cs-136

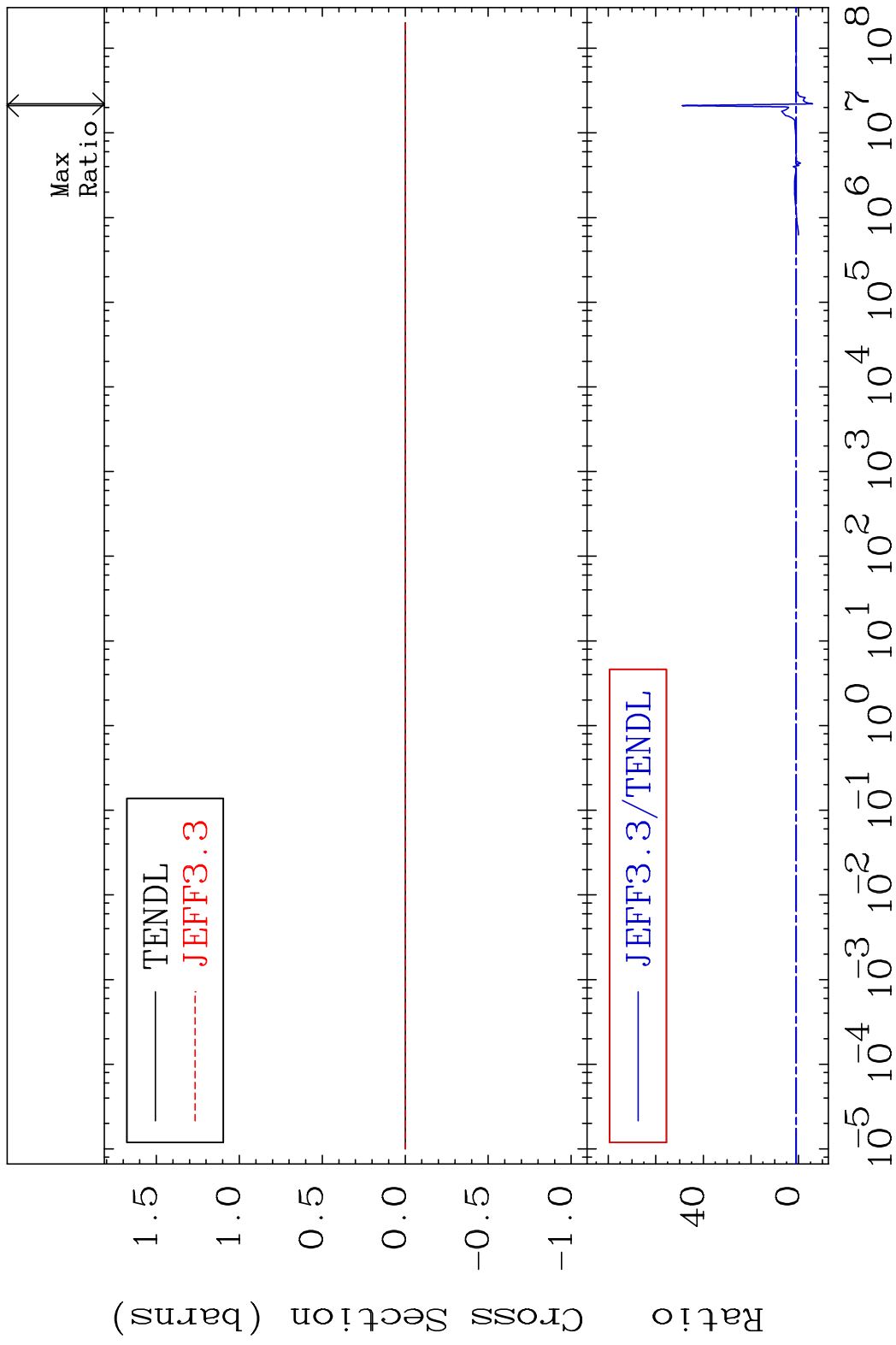
MAT 5534 Kerma non-elastic (all but mt2) 55-Cs-136
 Cross Section -178.4 To 9999. %



MAT 5534 Kerma inelastic (mt51-91) 55-Cs-136
 Cross Section -687.6 To 4783. %

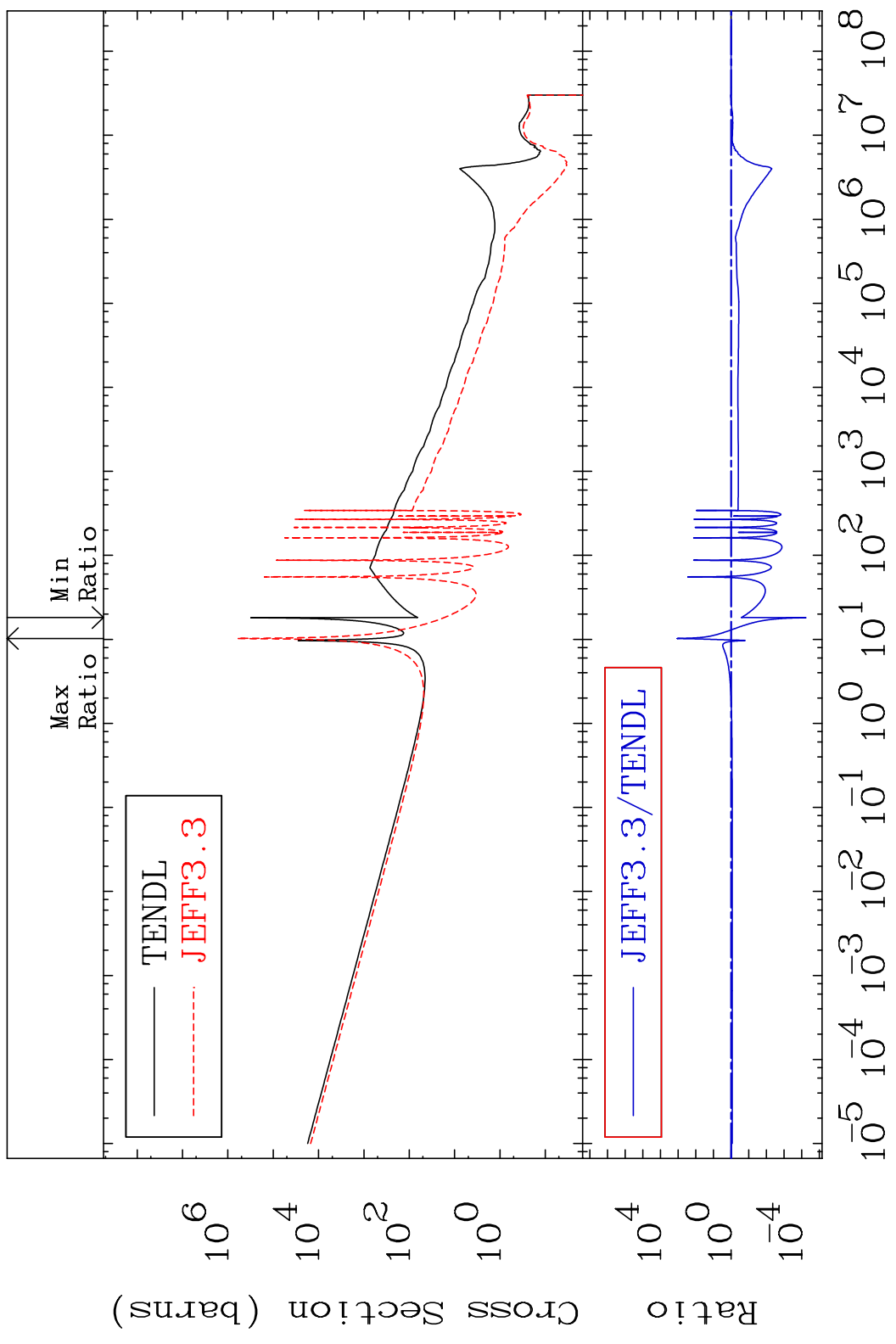


MAT 5534 Kerma fission (mt18 or mt19-20-21-38)55-Cs-136
 Cross Section -687.6 To 4783. %



MAT 5534

Kerma capture (mt102) 55-Cs-136
Cross Section -99.99 To 9999. %

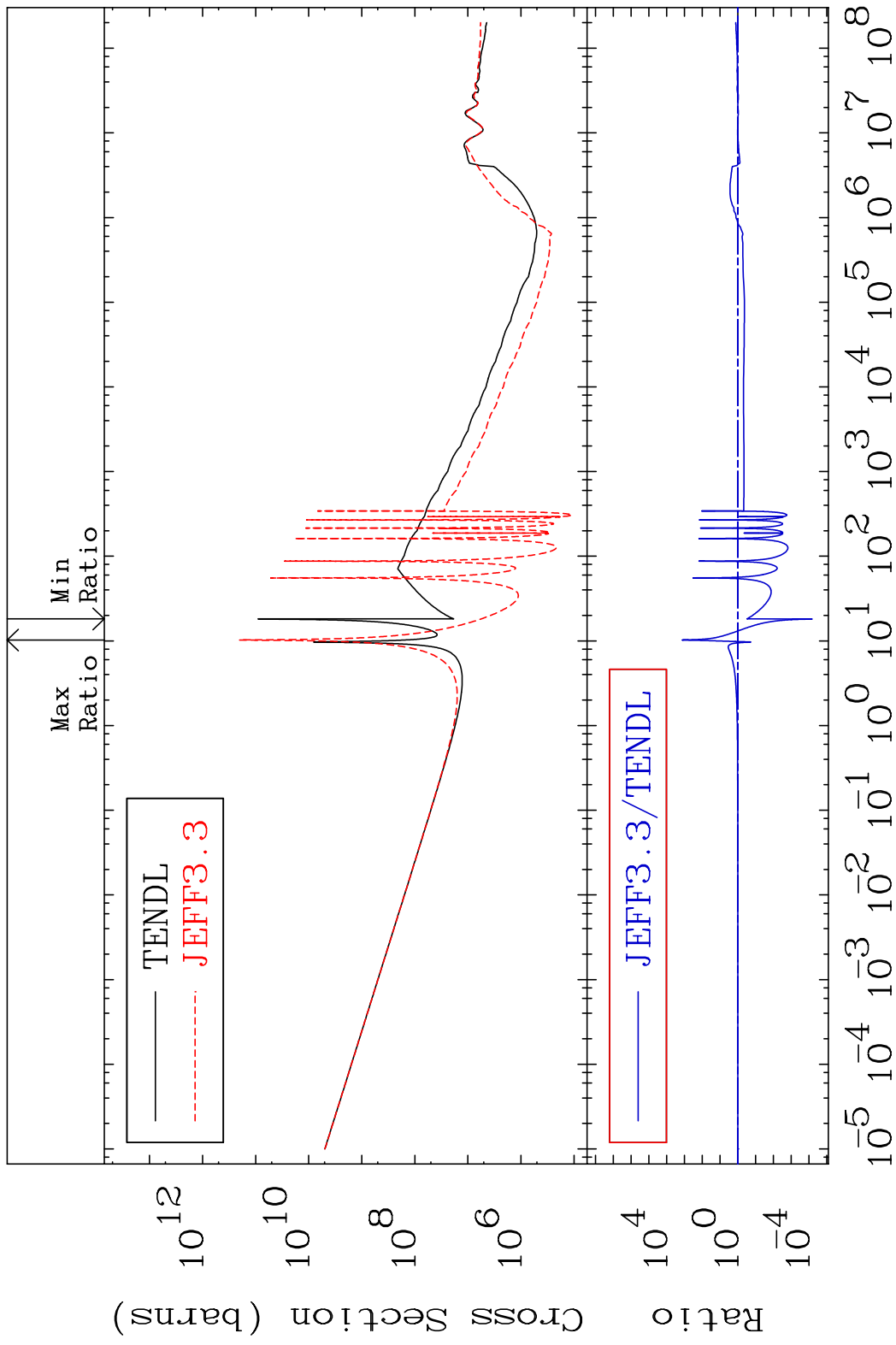


59

Incident Energy (eV)

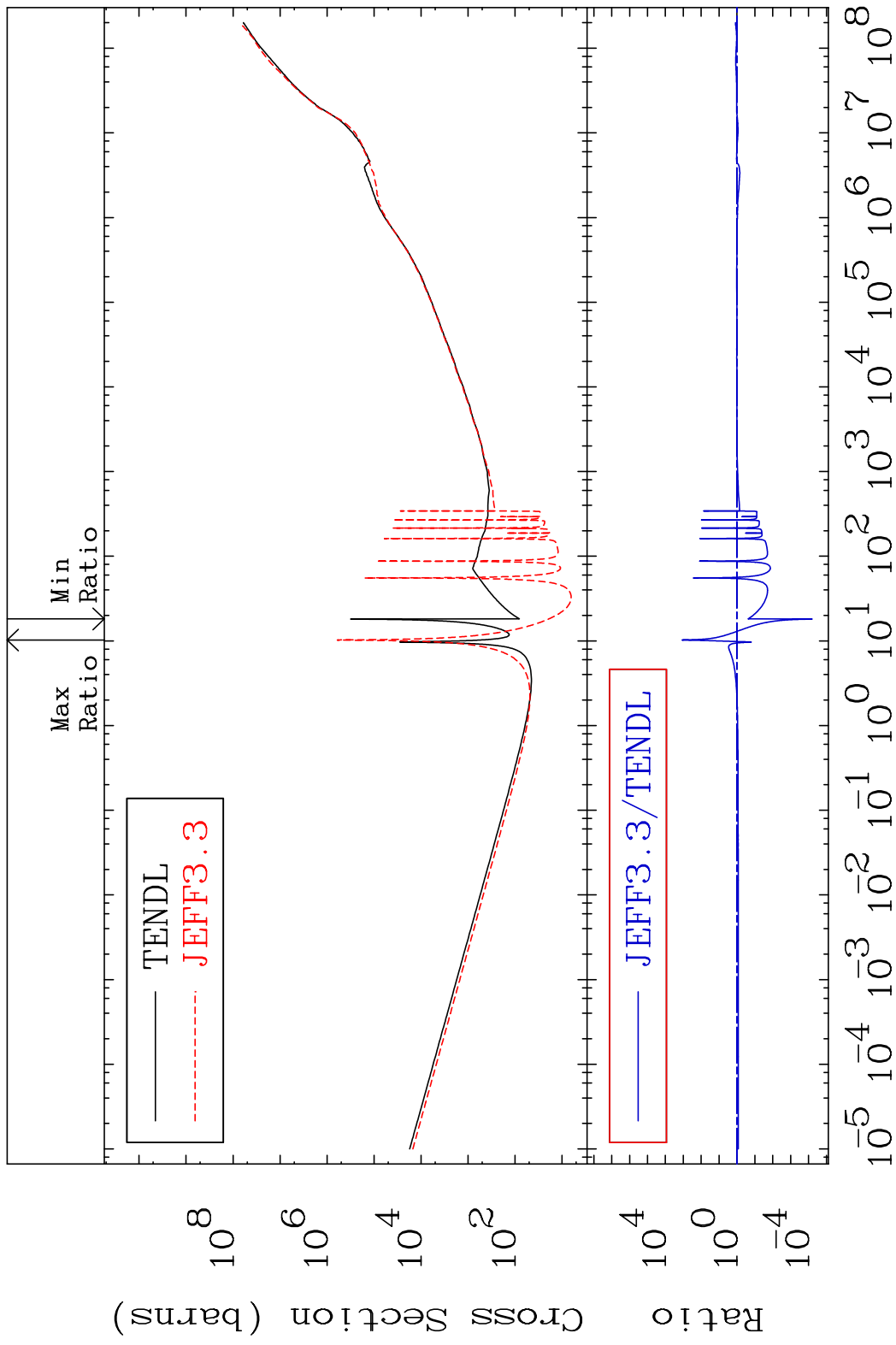
55-Cs-136

MAT 5534 Total photon (eV-barns) 55-Cs-136
 Cross Section -99.99 To 9999. %



60 Incident Energy (eV) 55-Cs-136

MAT 5534 Total kinematic kerma (high limit) 55-Cs-136
 Cross Section -99.99 To 9999. %

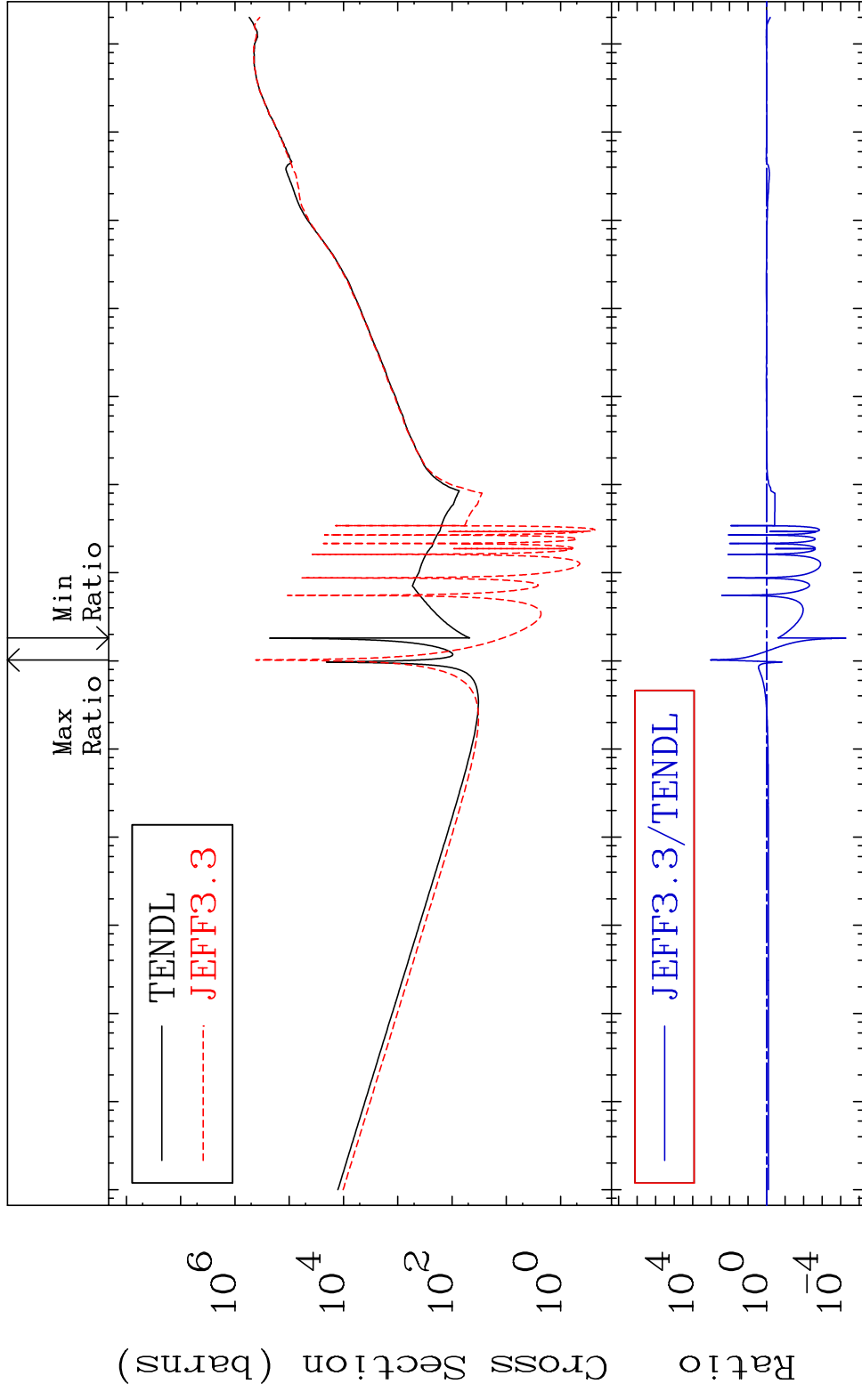


MAT 5534

Dpa total (eV-barns)

55-Cs-136

Cross Section -100.0 To 9999. %



62

Incident Energy (eV)

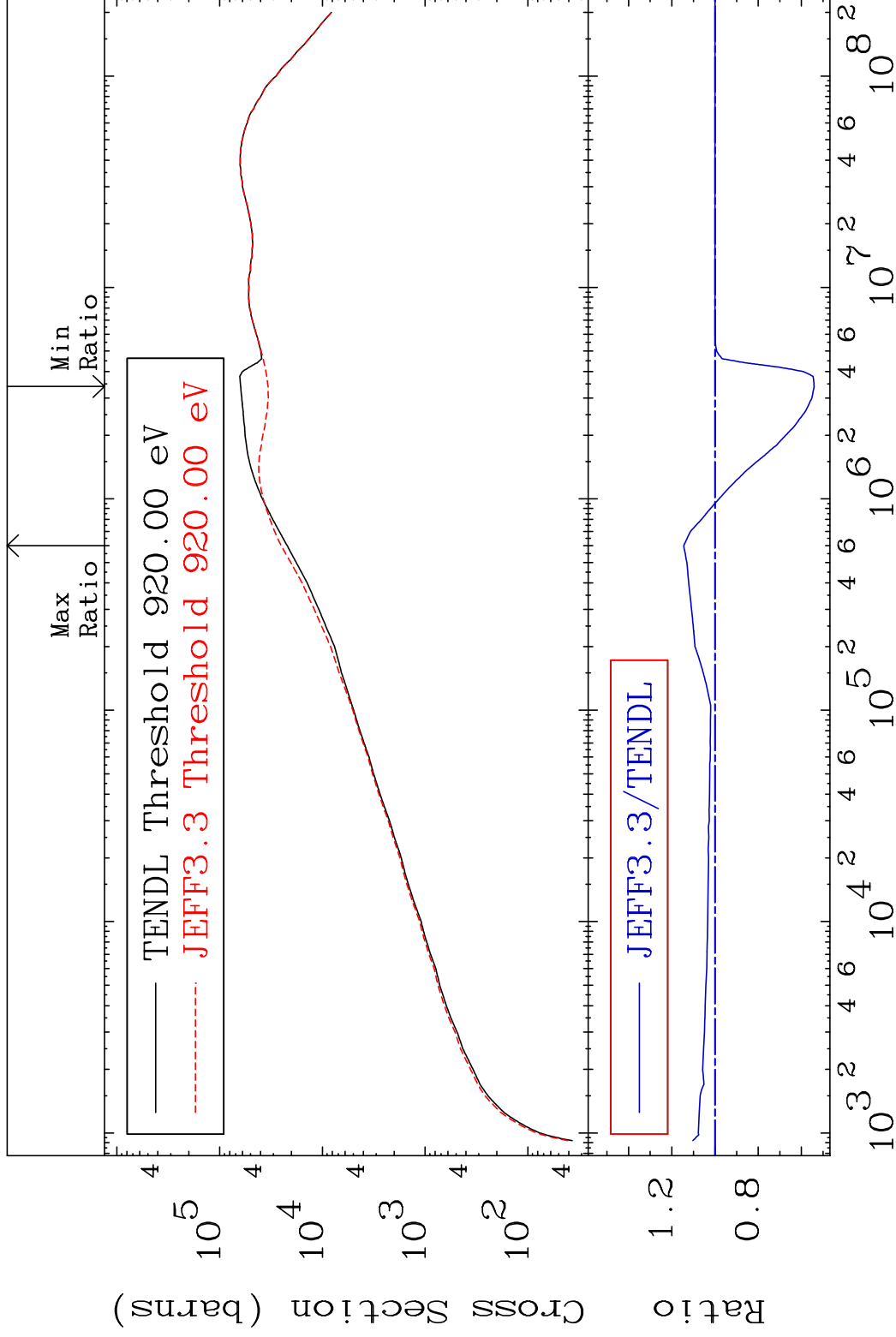
55-Cs-136

MAT 5534

Dpa elastic (mt2)

55-Cs-136

Cross Section -45.87 To 14.51 %



63

Incident Energy (eV)

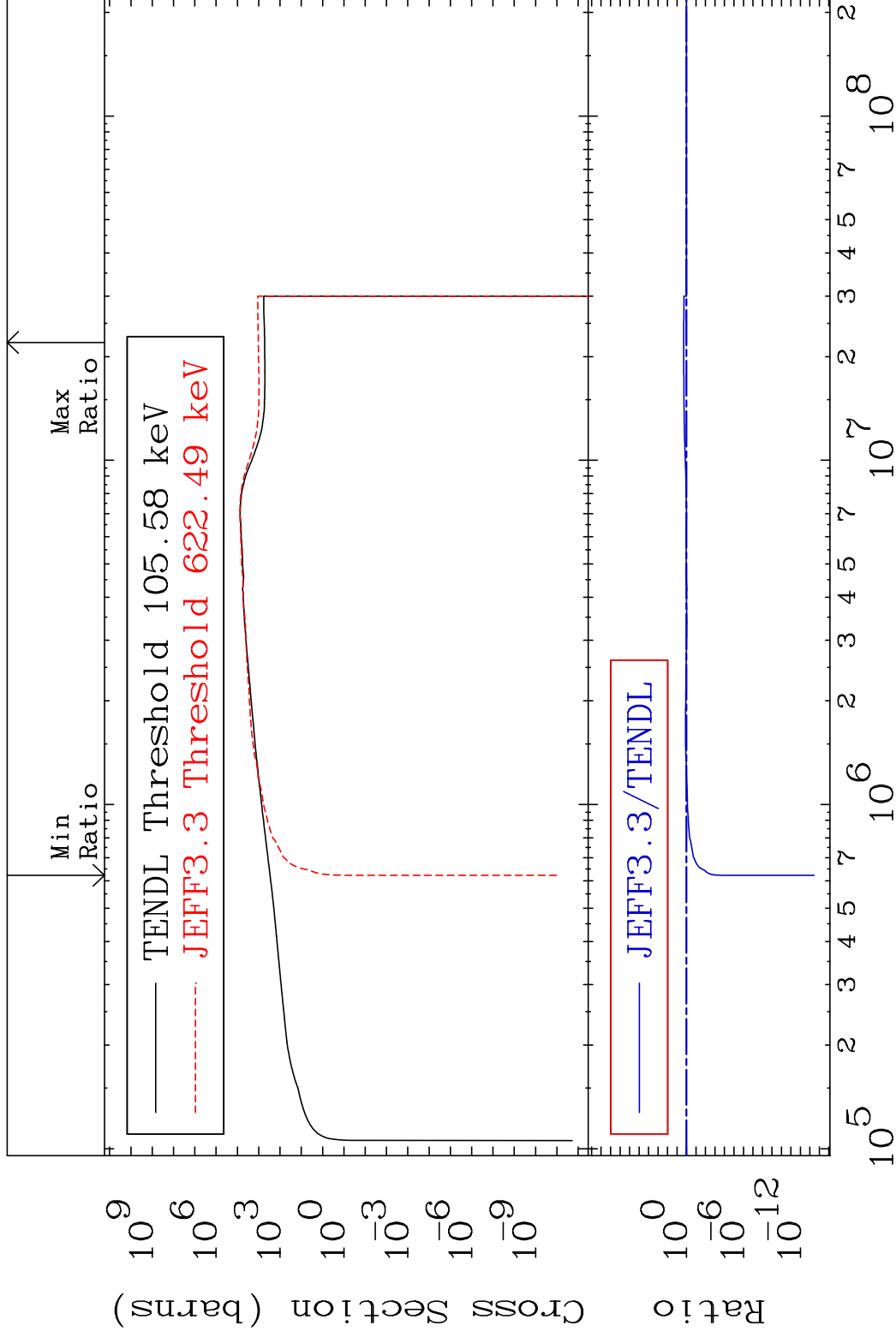
55-Cs-136

MAT 5534

Dpa inelastic (mt51-91)

55-Cs-136

Cross Section -100.0 To 99.74 %

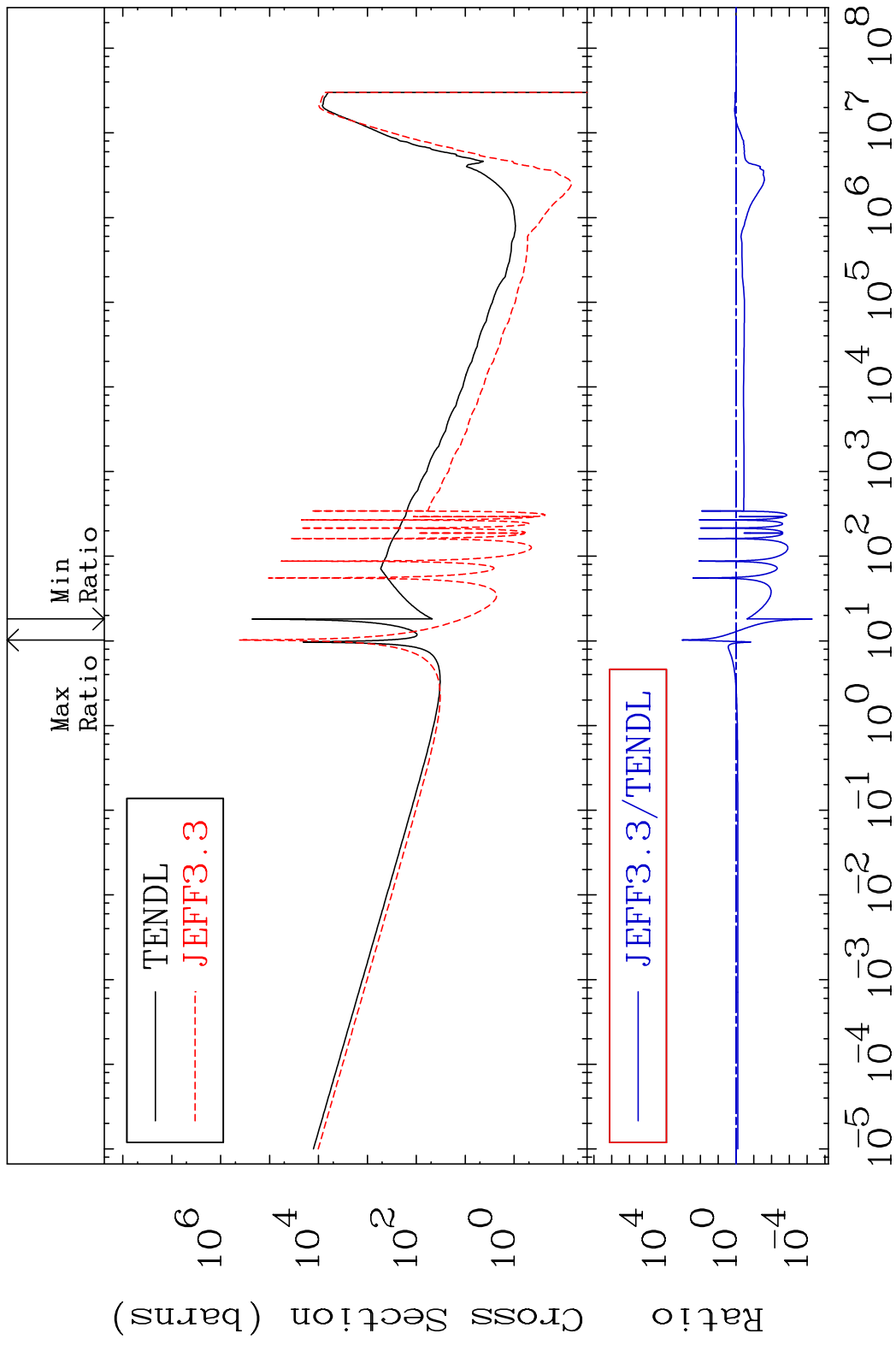


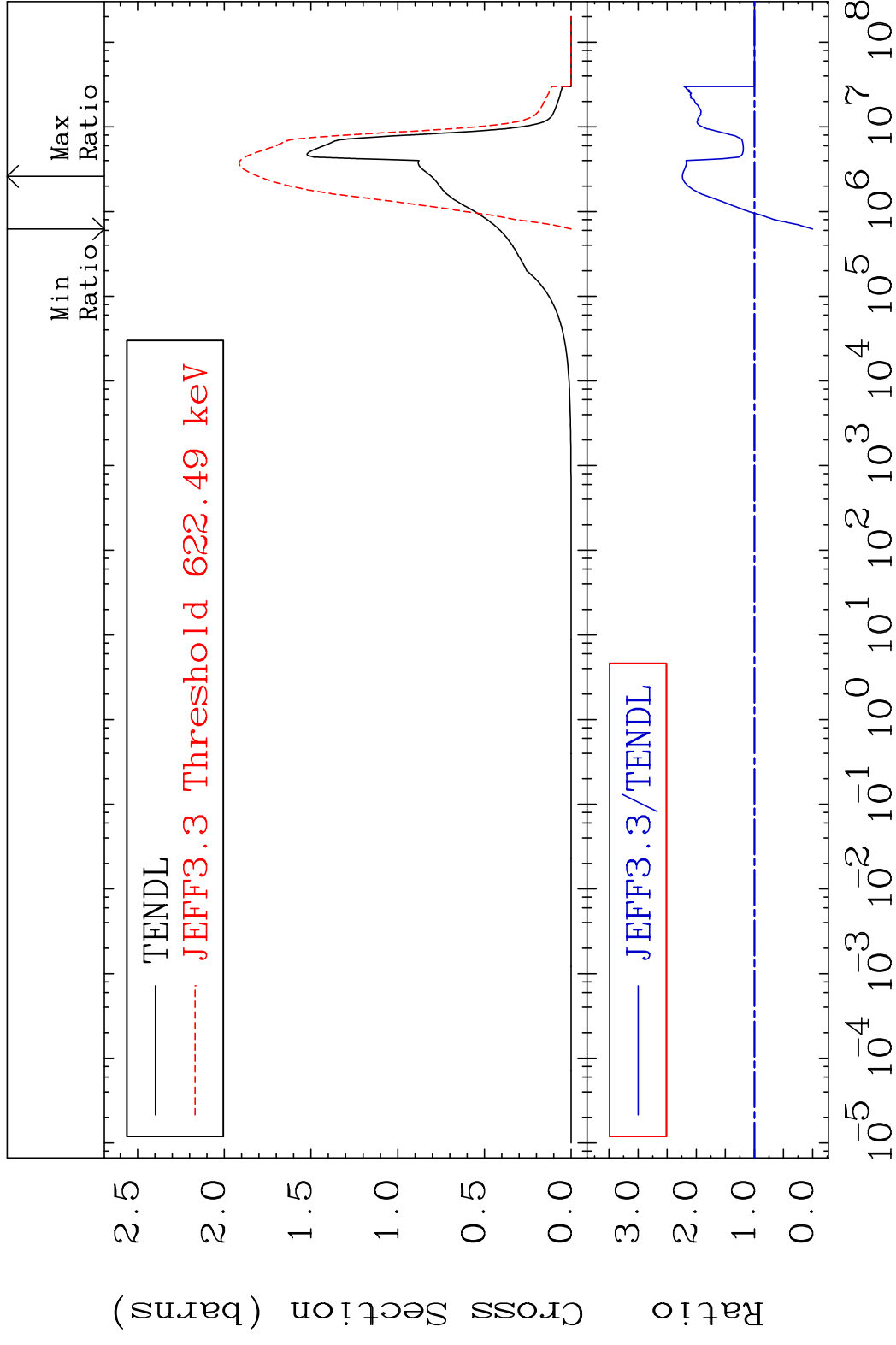
64

Incident Energy (eV)

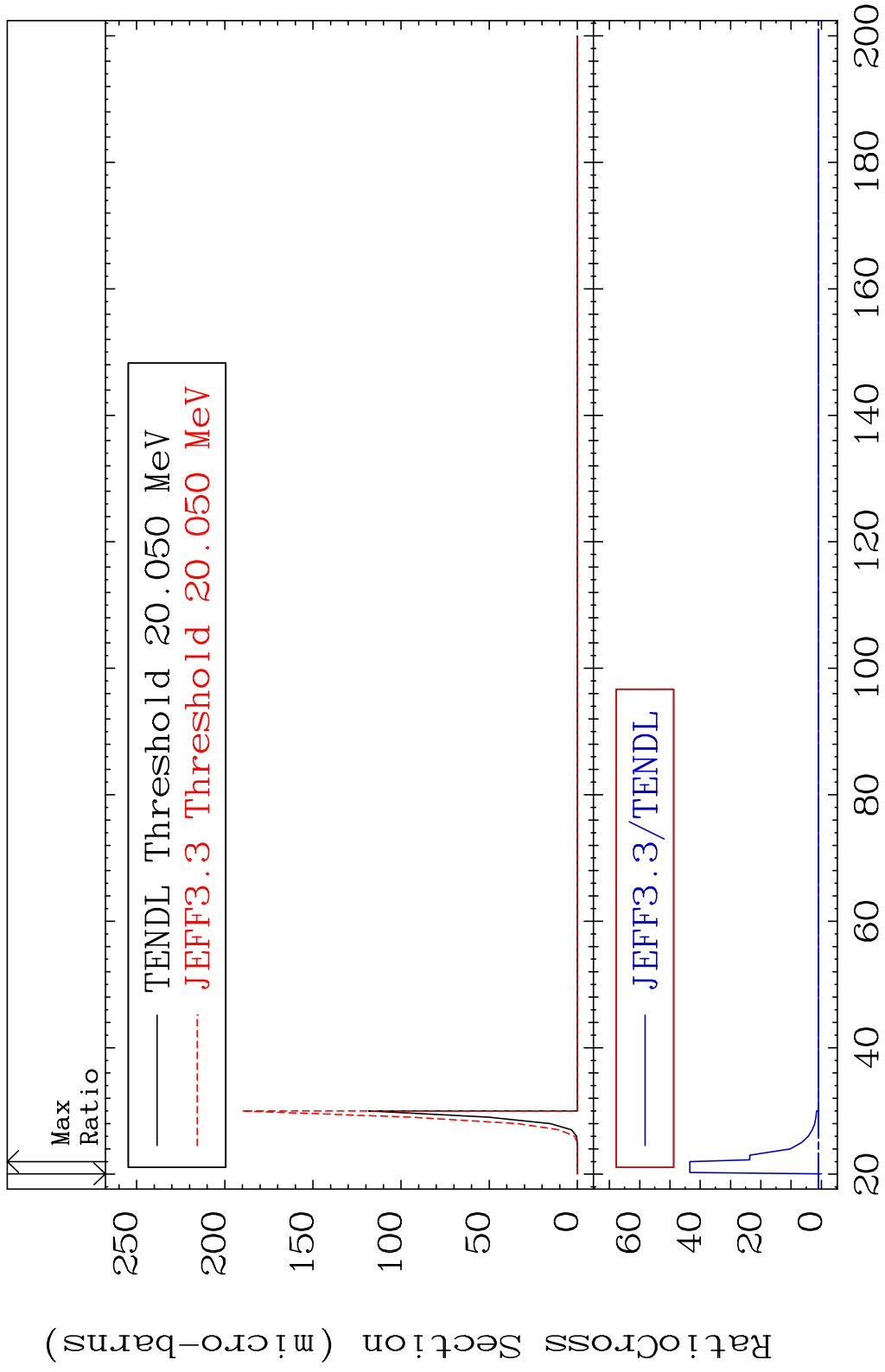
55-Cs-136

MAT 5534 Dpa disappearance (mt102 -120) 55-Cs-136
 Cross Section -100.0 To 9999. %

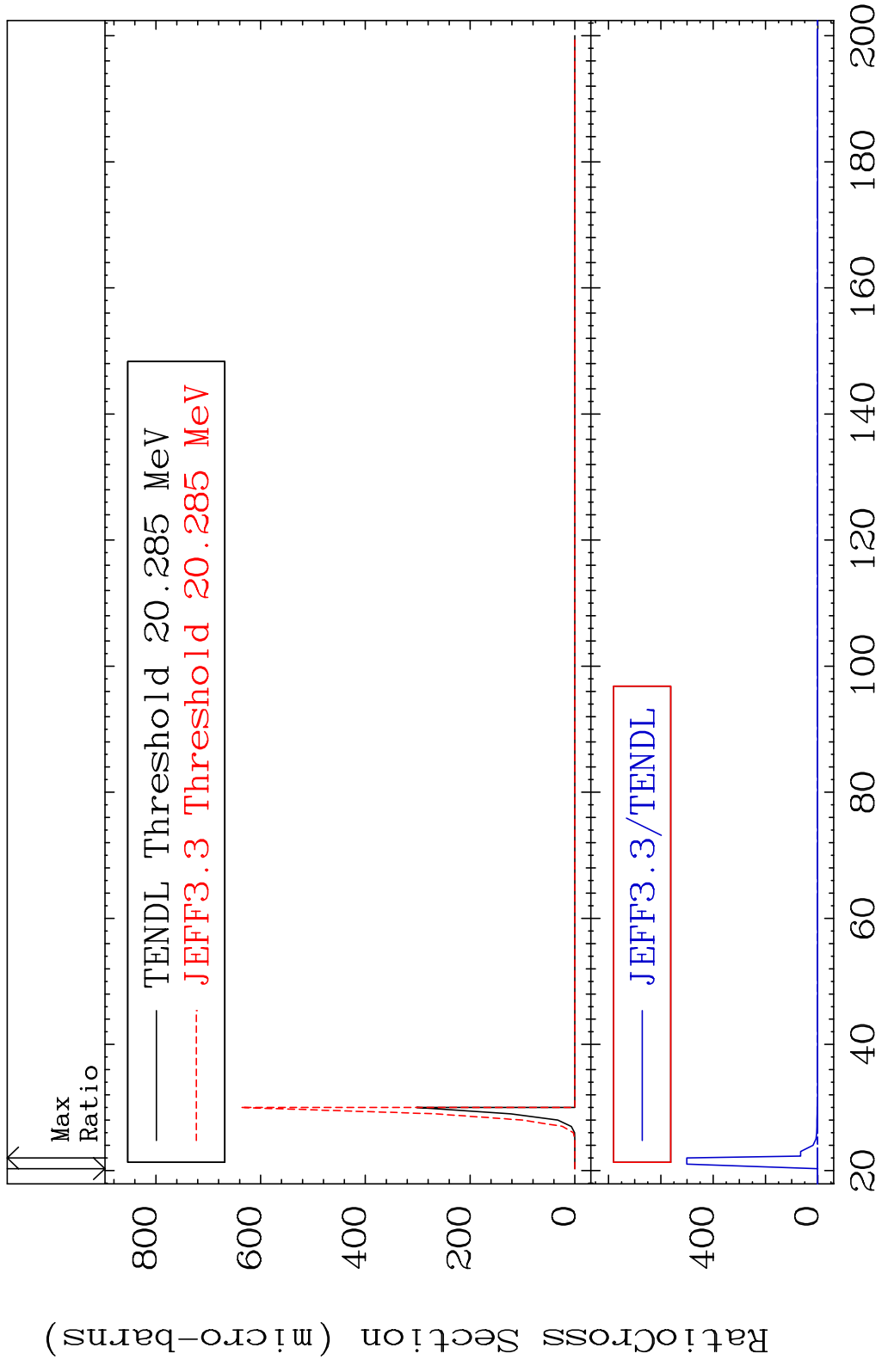




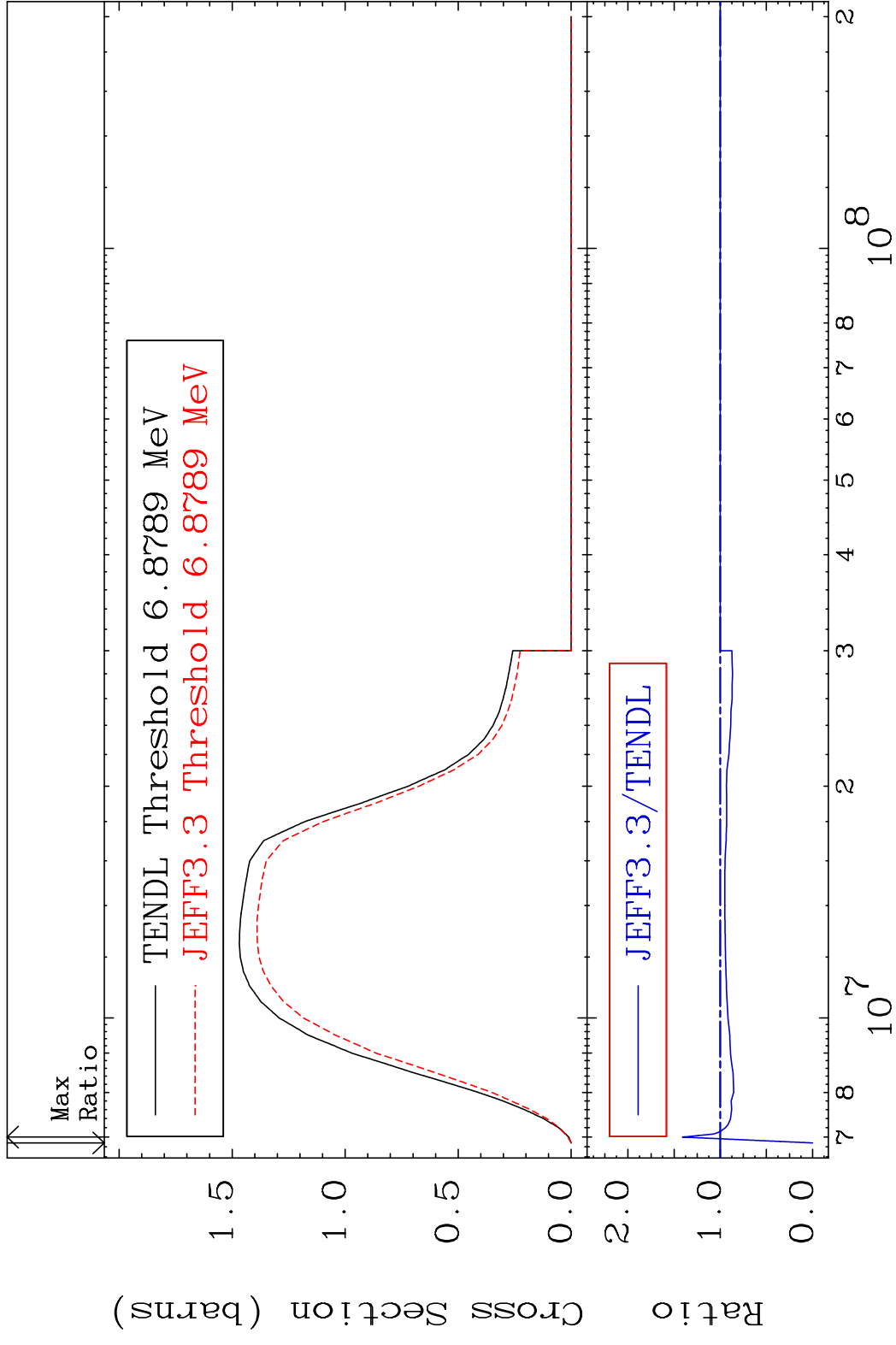
MAT 5534 (n,2n) d:54-Xe-133g 55-Cs-136
 Radionuclide Production Cross Section Ratio 4247. %



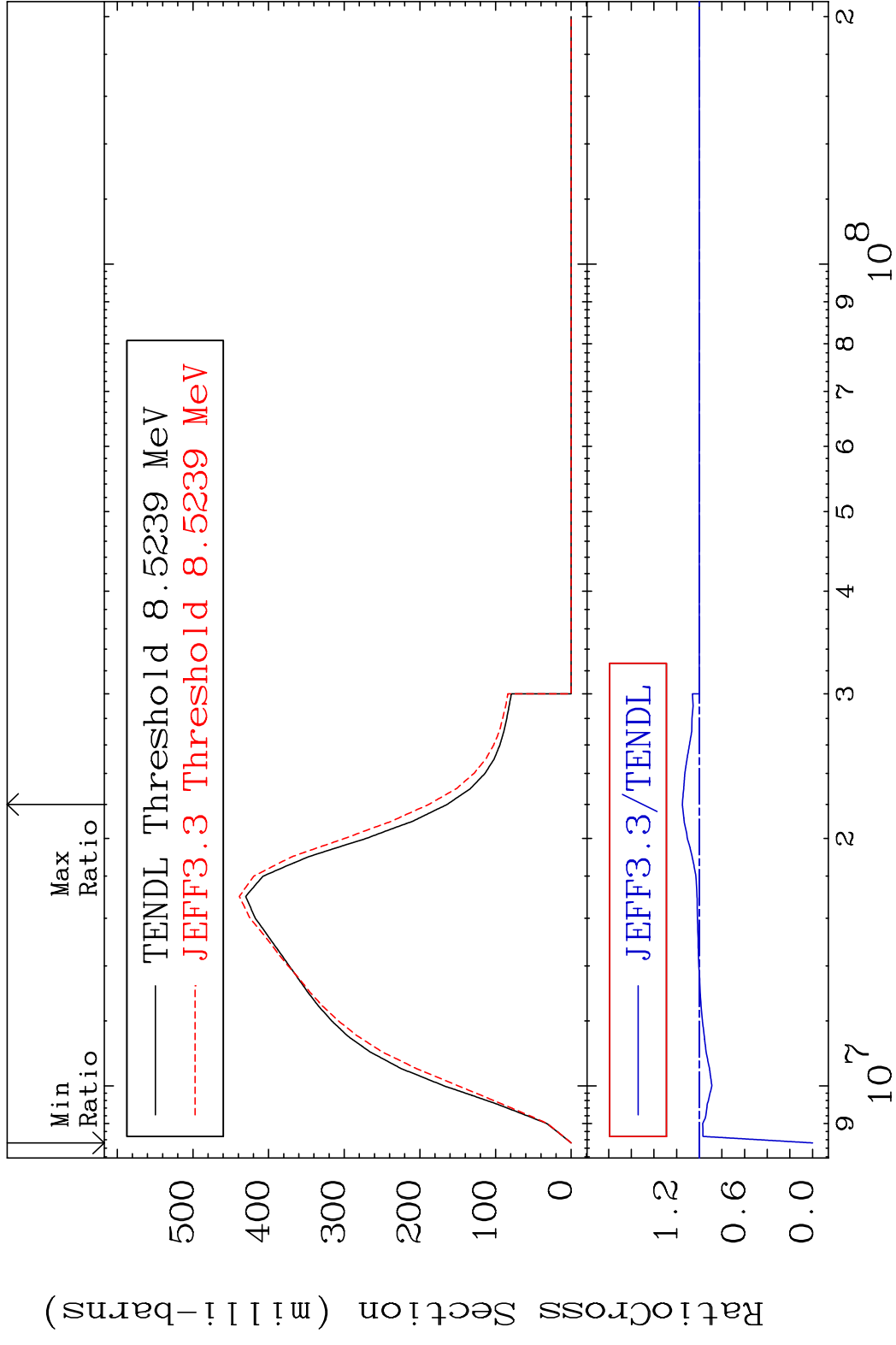
MAT 5534 (n,2n) d:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %



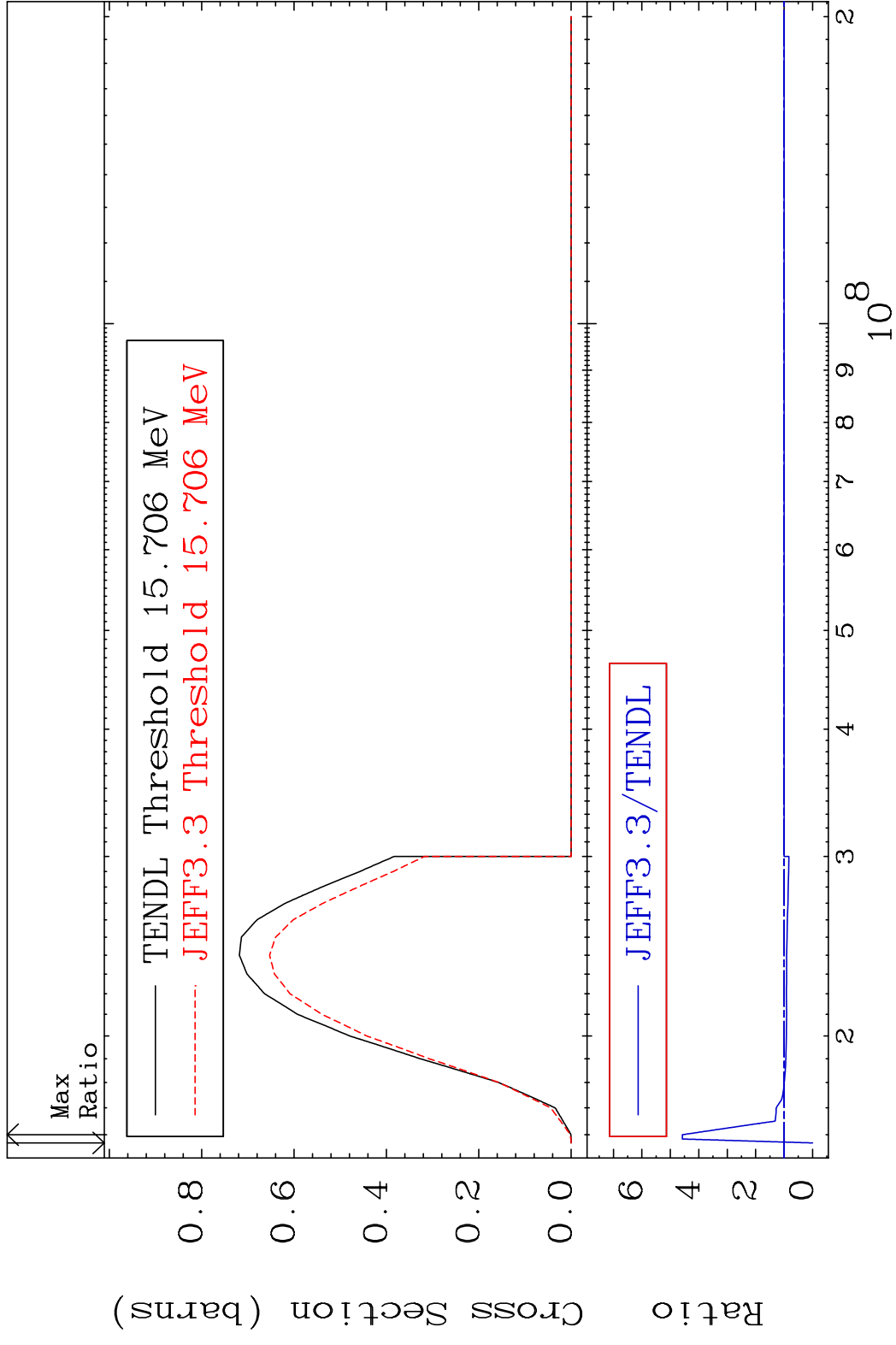
MAT 5534 (n,2n):55-Cs-135g 55-Cs-136
 Radionuclide Production Cross Section 41.08 %



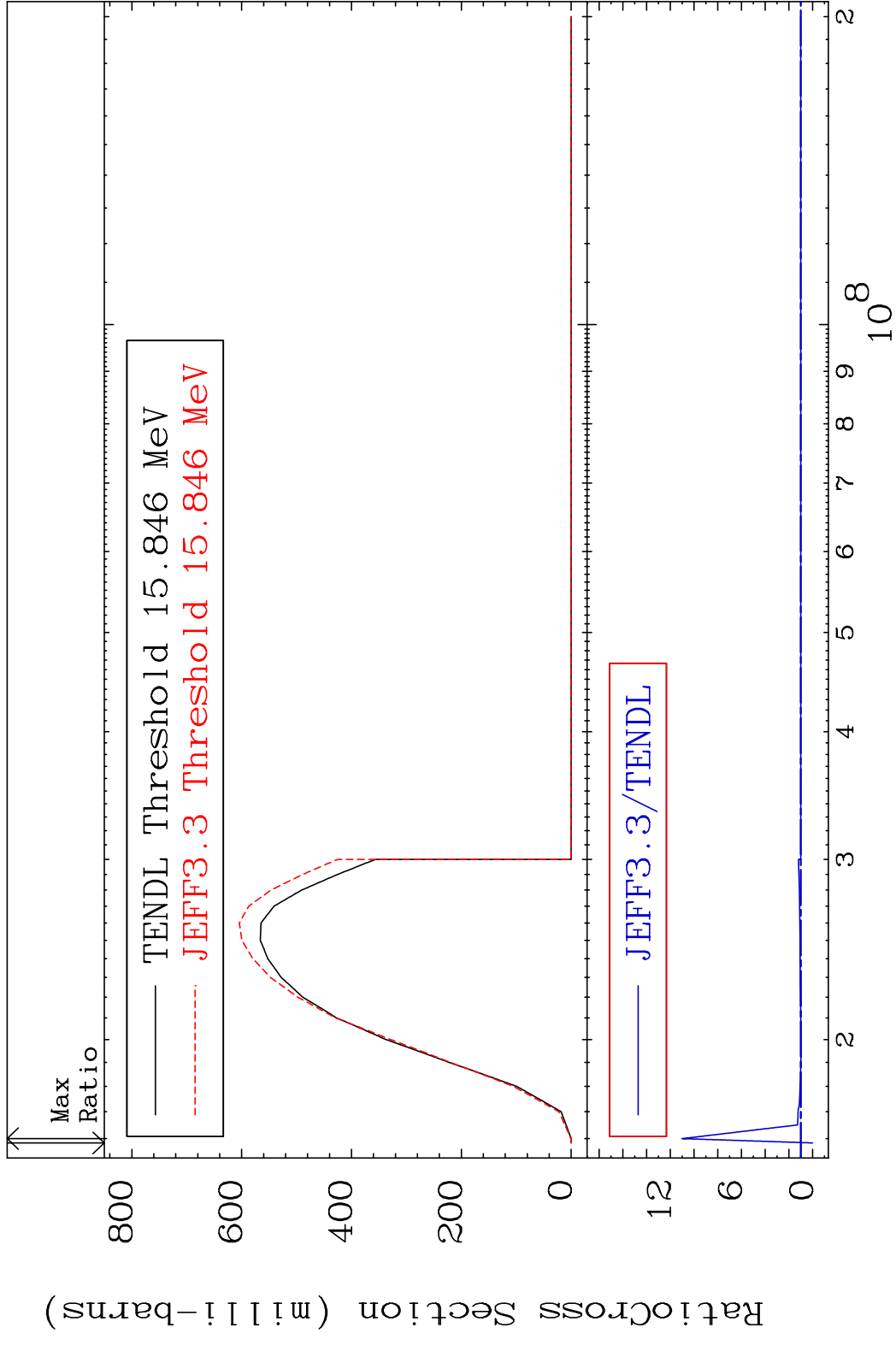
MAT 5534 (n,2n):55-Cs-135m10 55-Cs-136
 Radionuclide Production Cross Section 180.01 d10 14.93 %



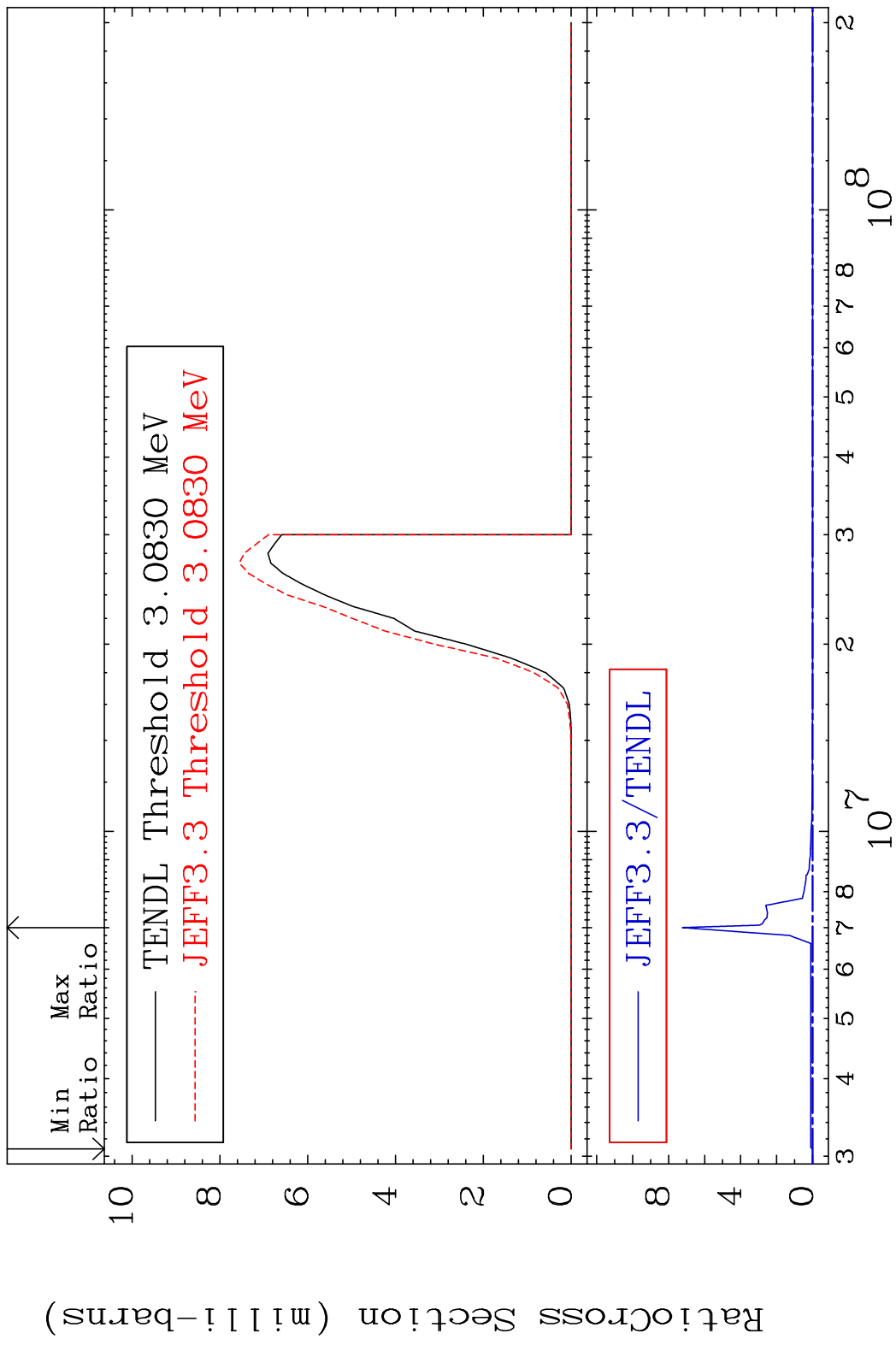
MAT 5534 (n,3n):55-Cs-134g 55-Cs-136
 Radionuclide Production Cross Section Ratio 357.7 %

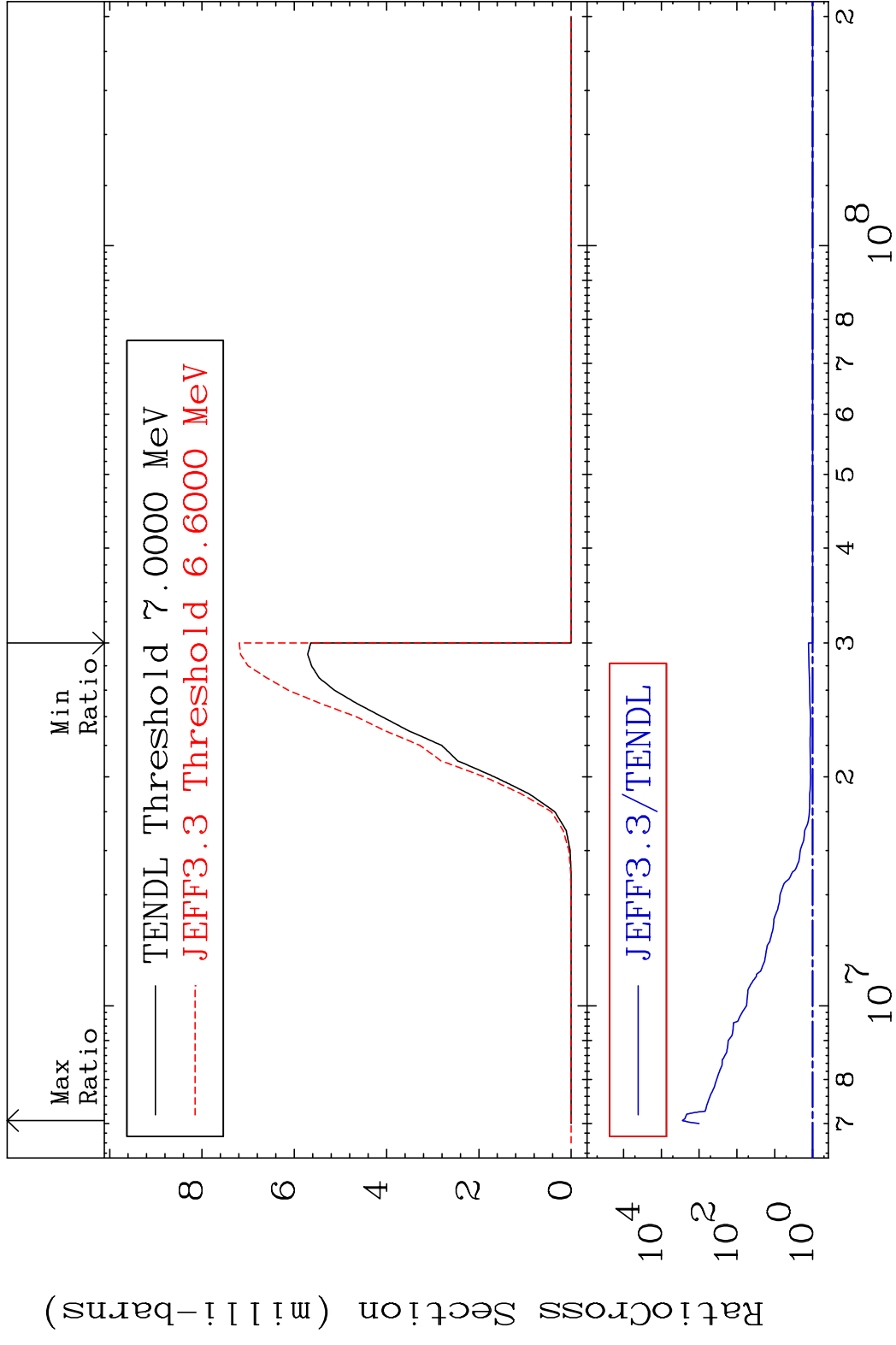


MAT 5534 (n, 3n):55-Cs-134m3 55-Cs-136
 Radionuclide Production Cross Section Ratio 997.8 %

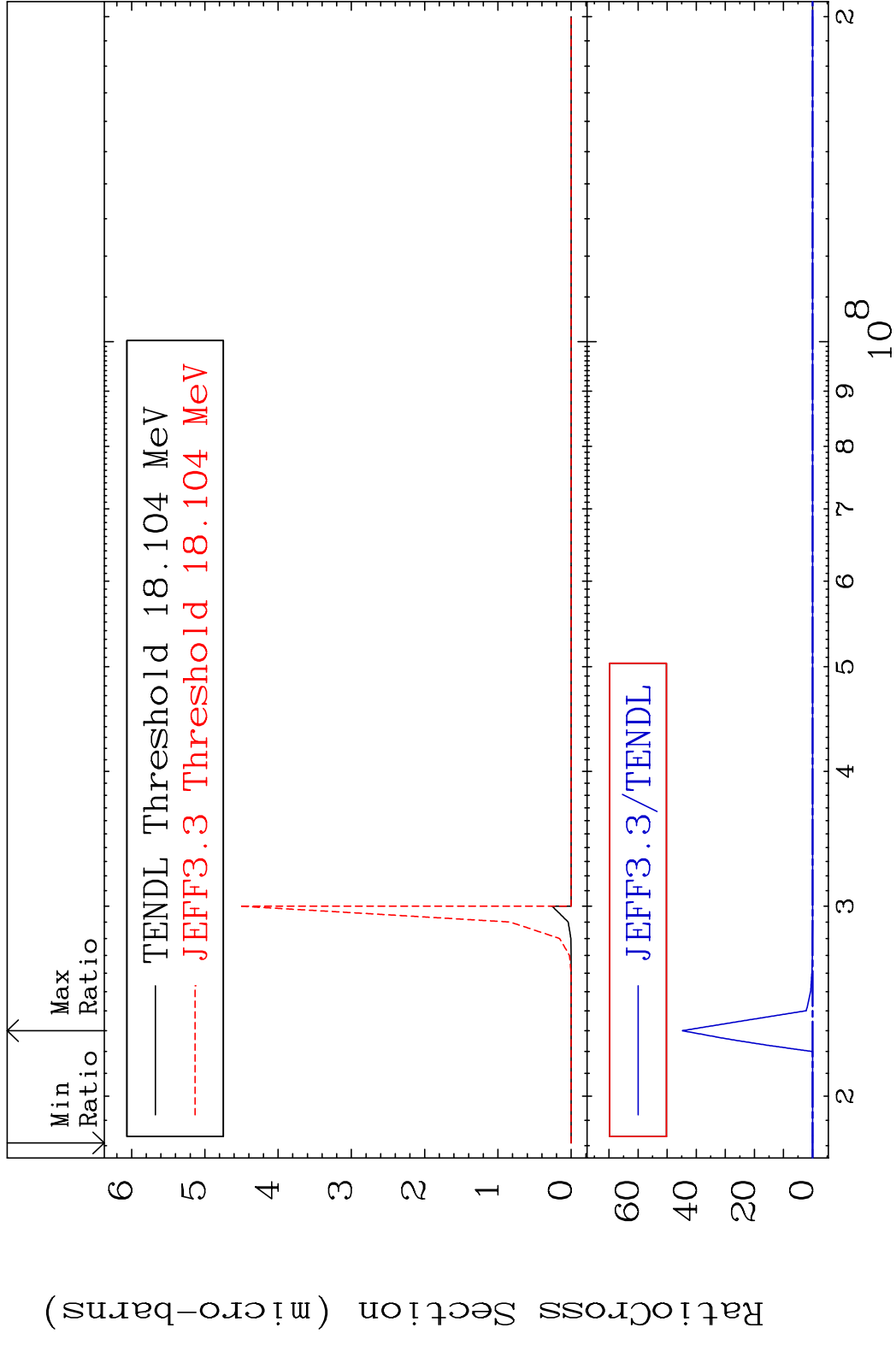


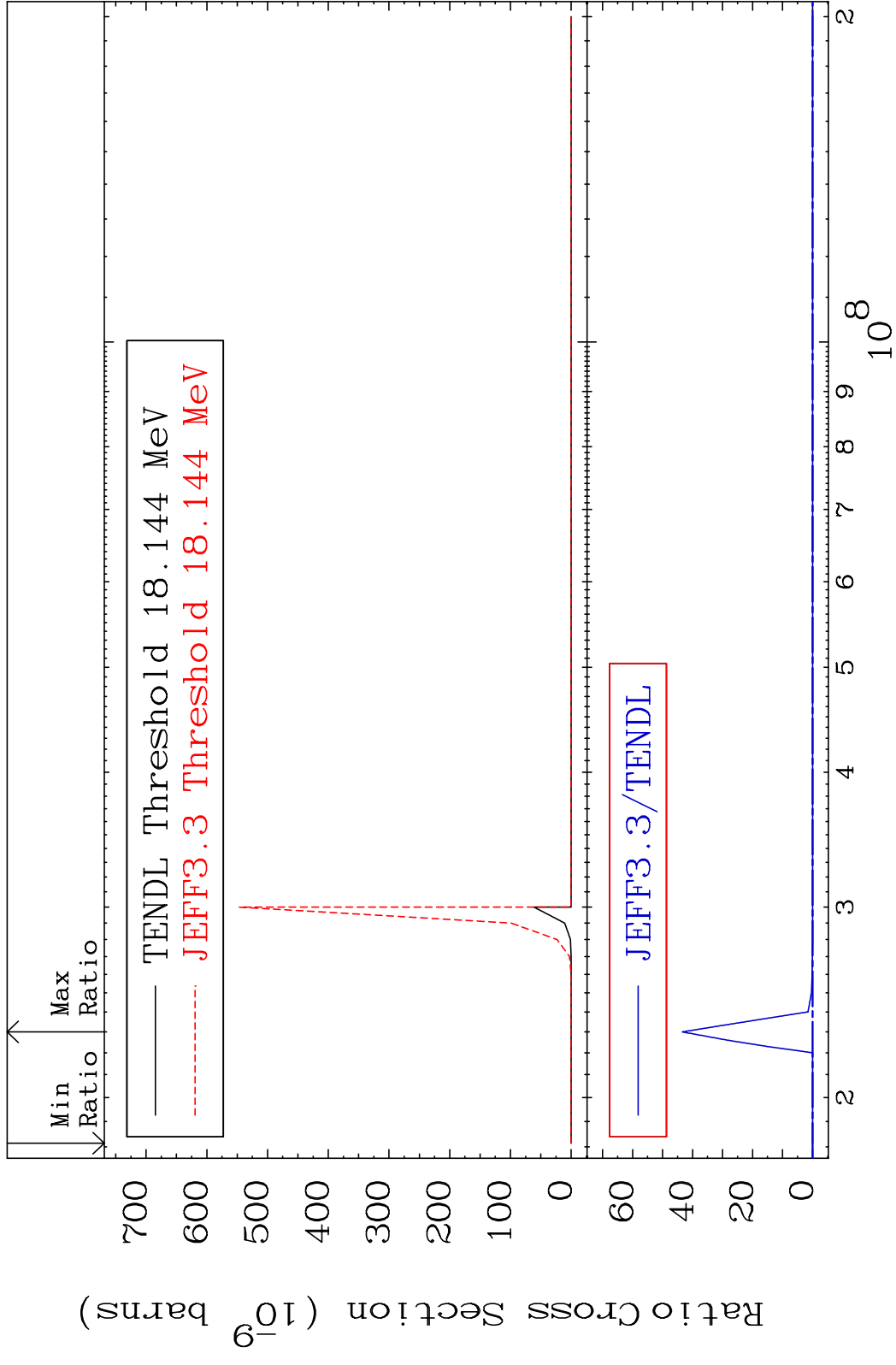
MAT 5534 (n, n') α :53-I -132g 55-Cs-136
 Radionuclide Production Cross Section to 9999. %



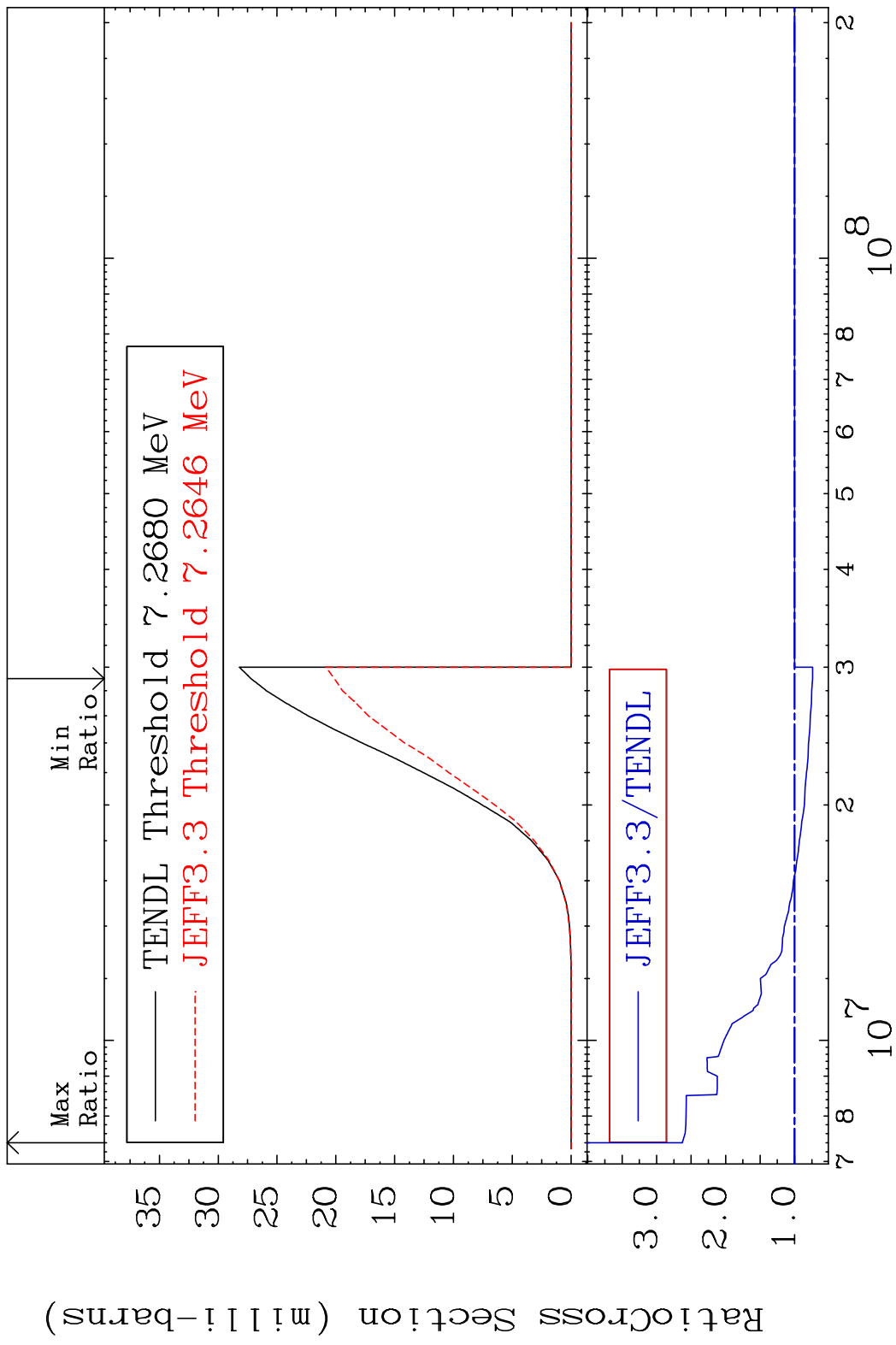


MAT 5534 (n,3n) α :53-I -130g 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %

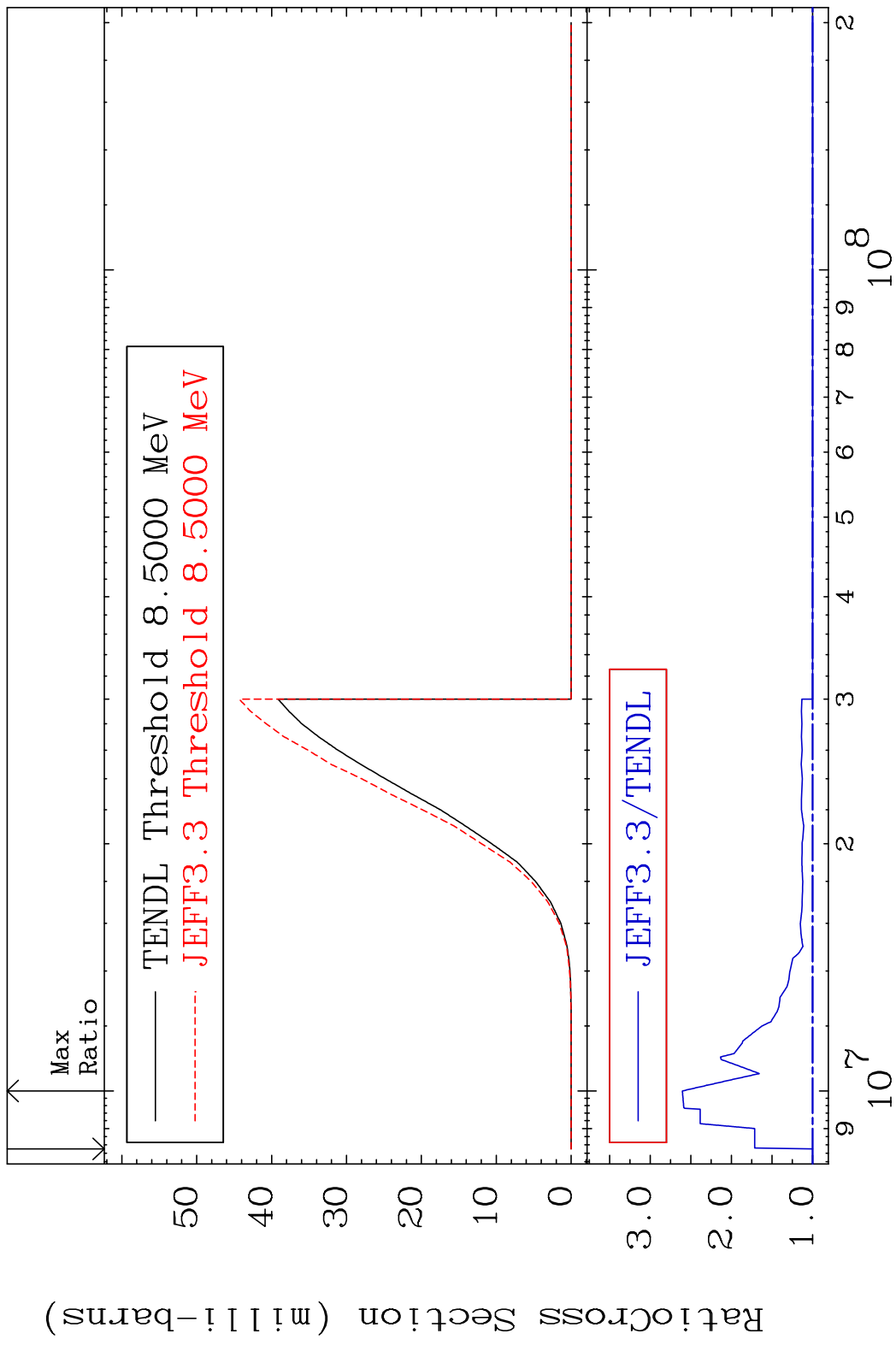




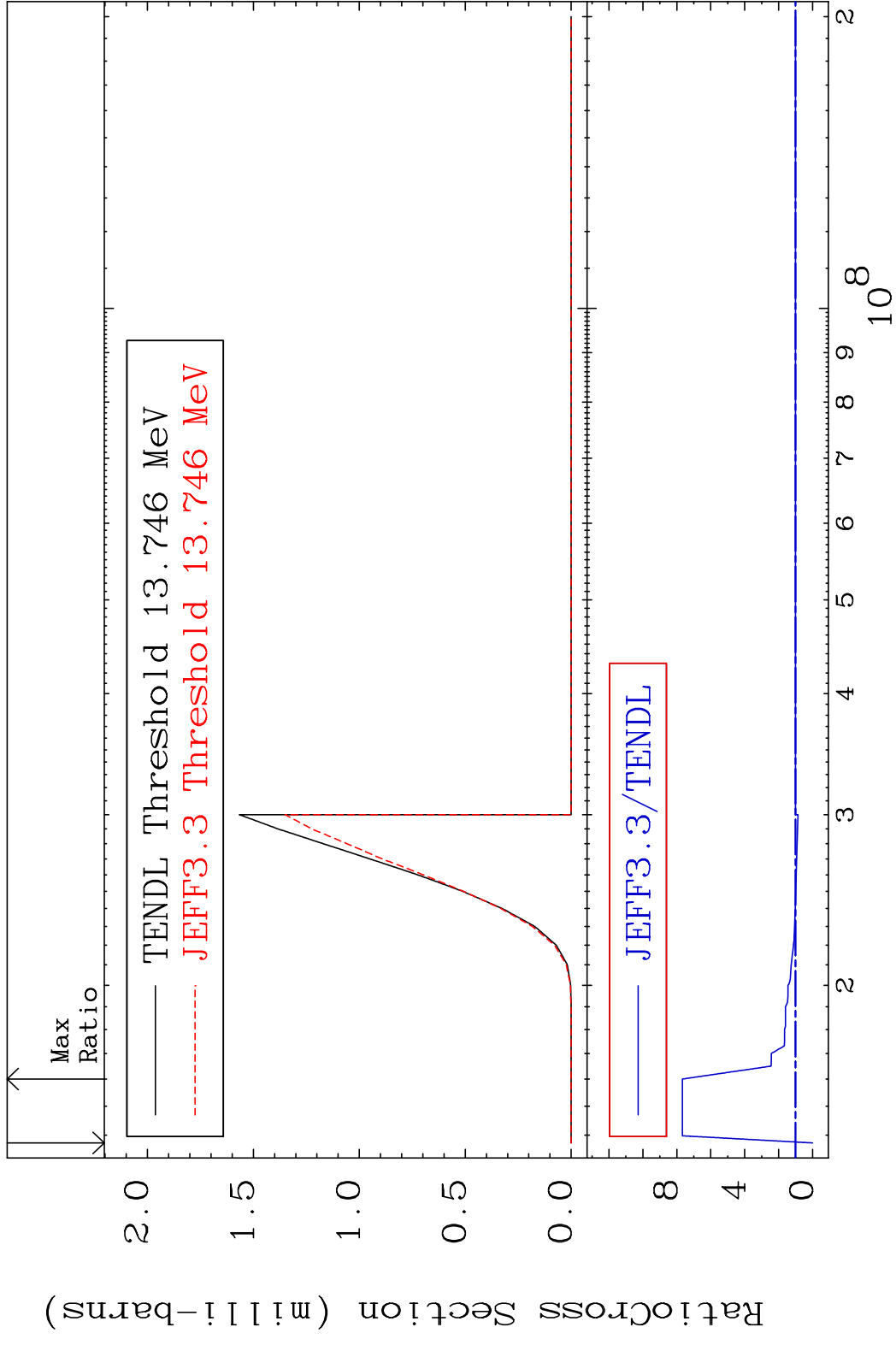
MAT 5534 (n, n') p:54-Xe-135g 55-Cs-136
 Radionuclide Production Cross Section 162.7 %



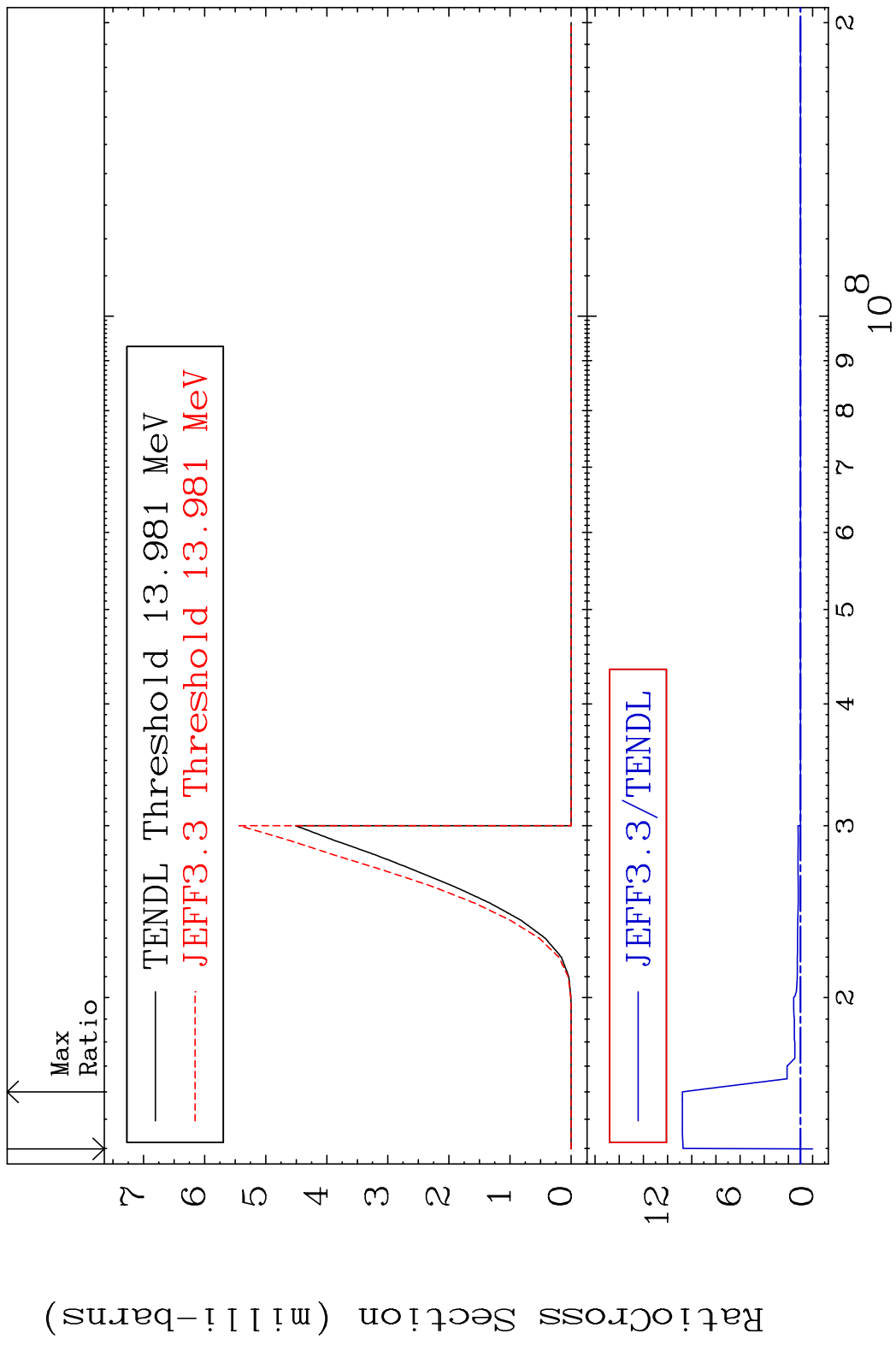
MAT 5534 (n, n') p:54-Xe-135m2 55-Cs-136
 Radionuclide Production Cross Section 160.4 %

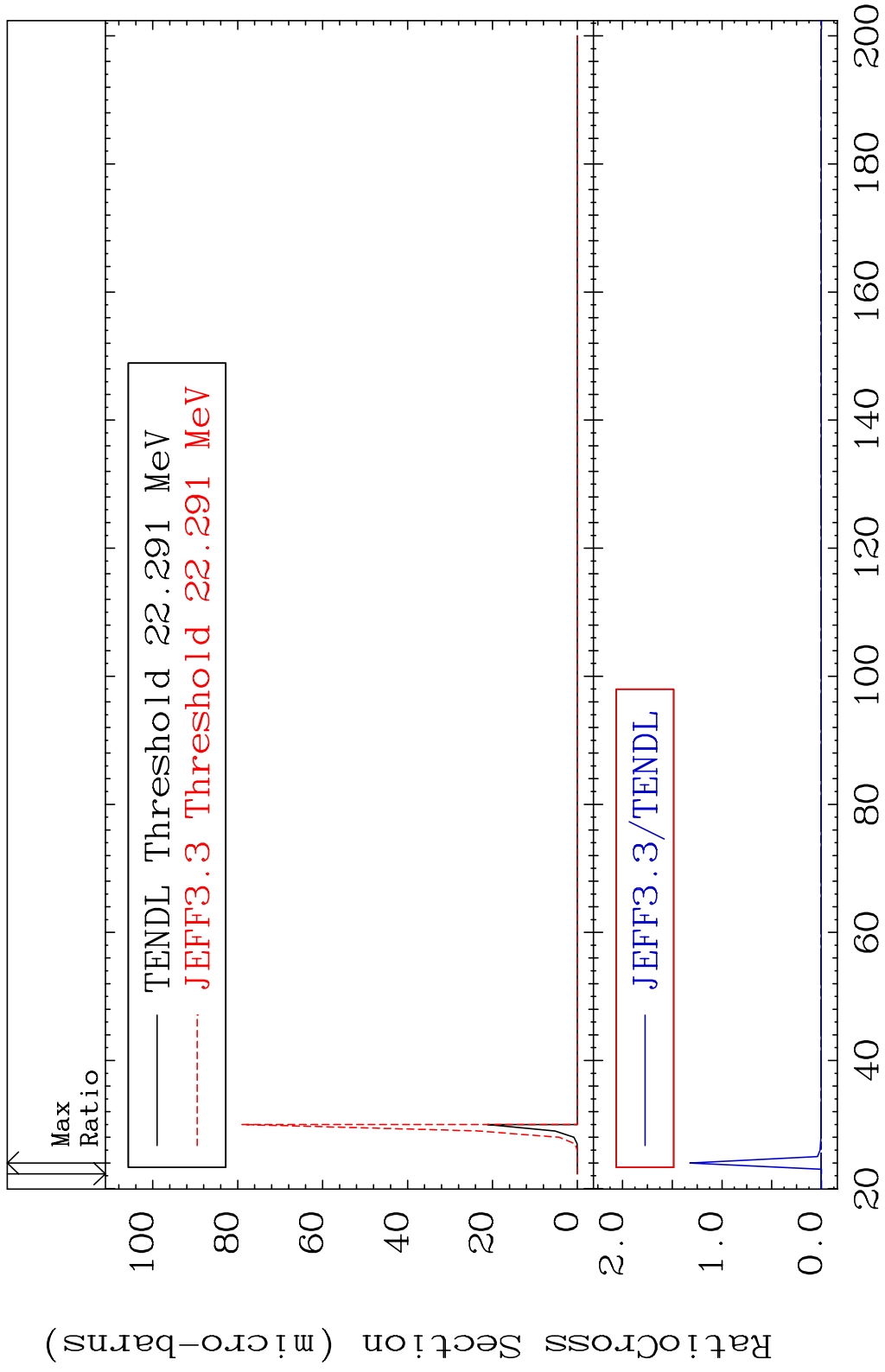


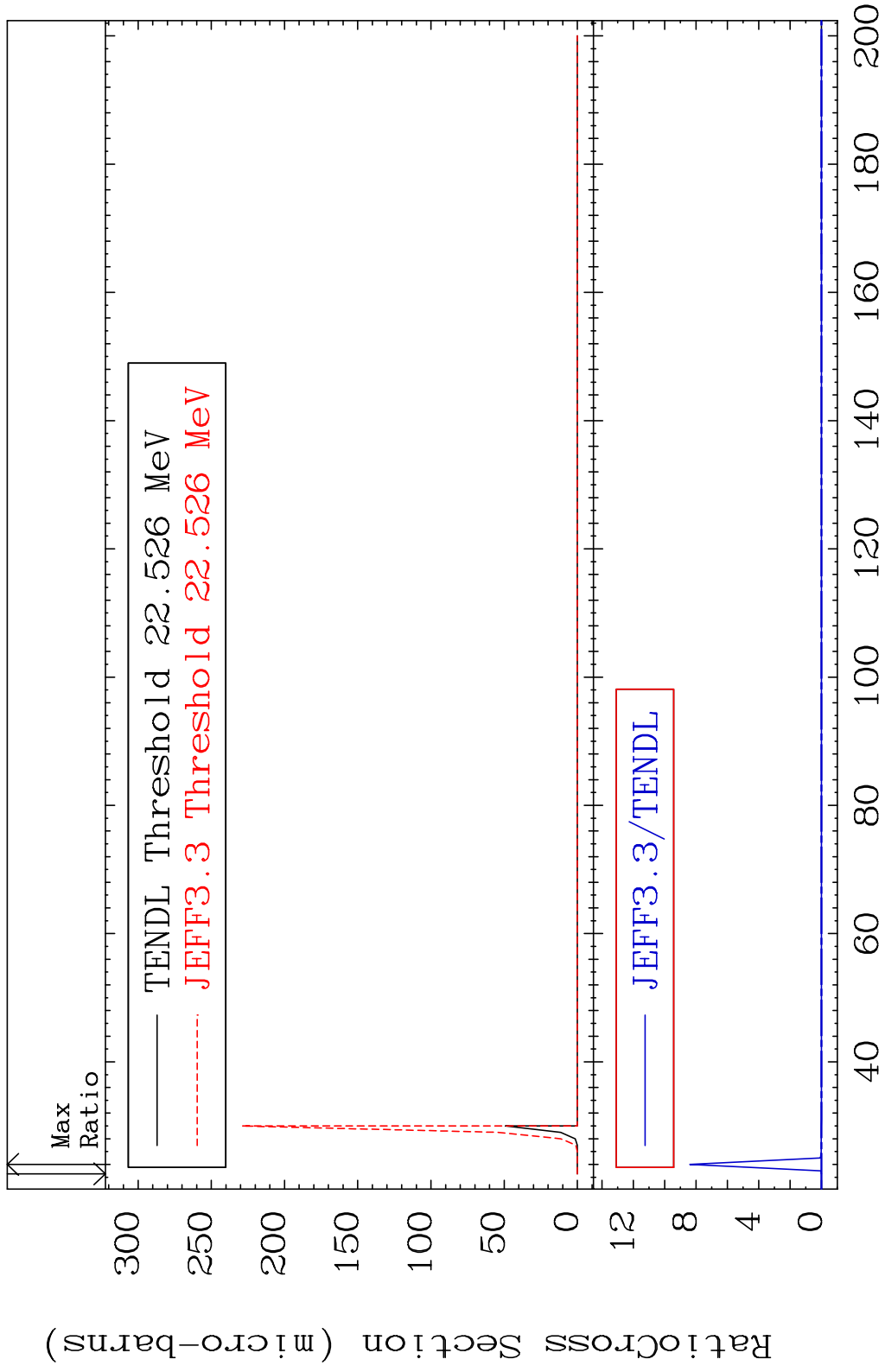
MAT 5534 (n, n') t:54-Xe-133g 55-Cs-136
 Radionuclide Production Cross Section Ratio 667.4 %

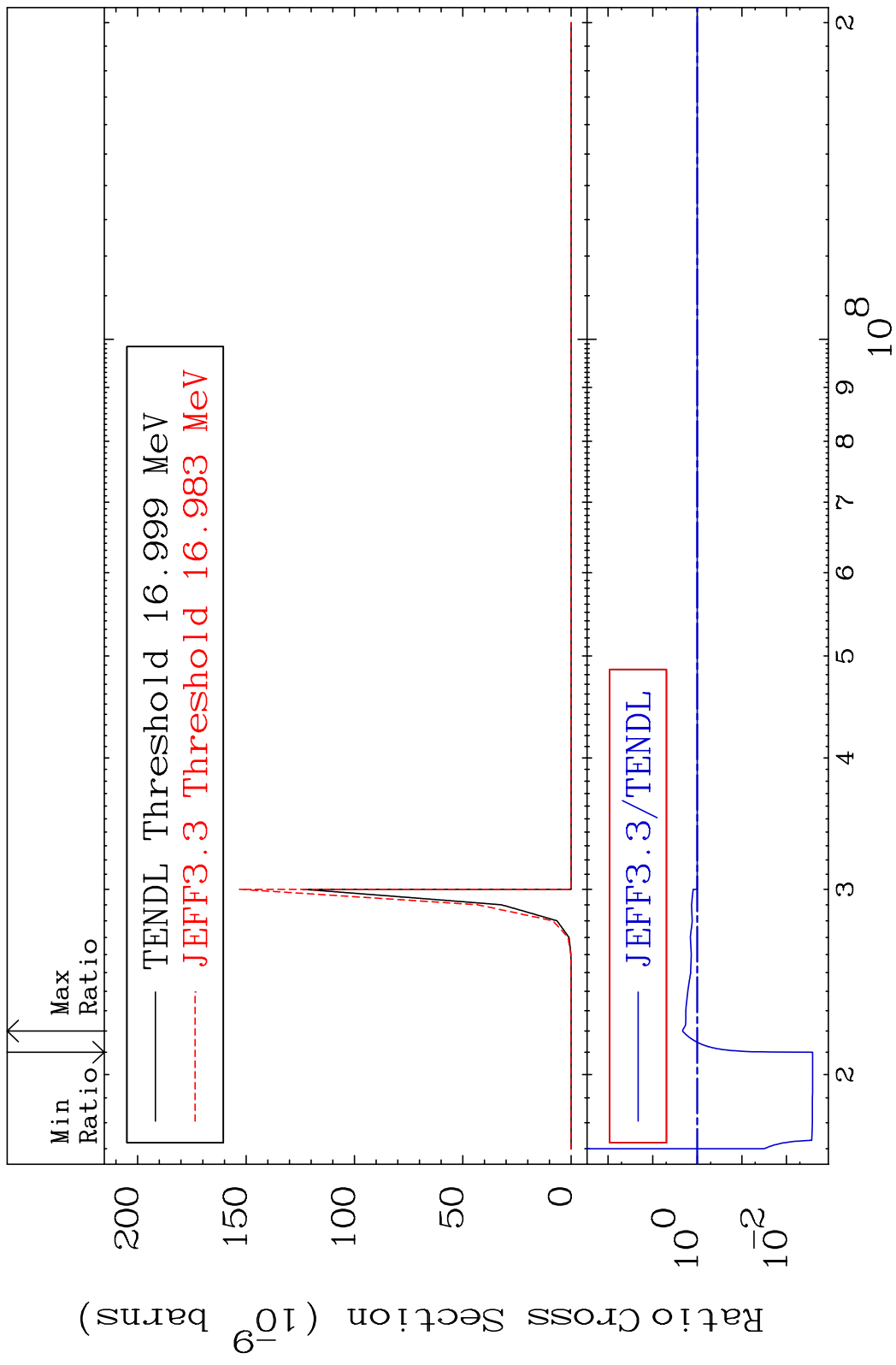


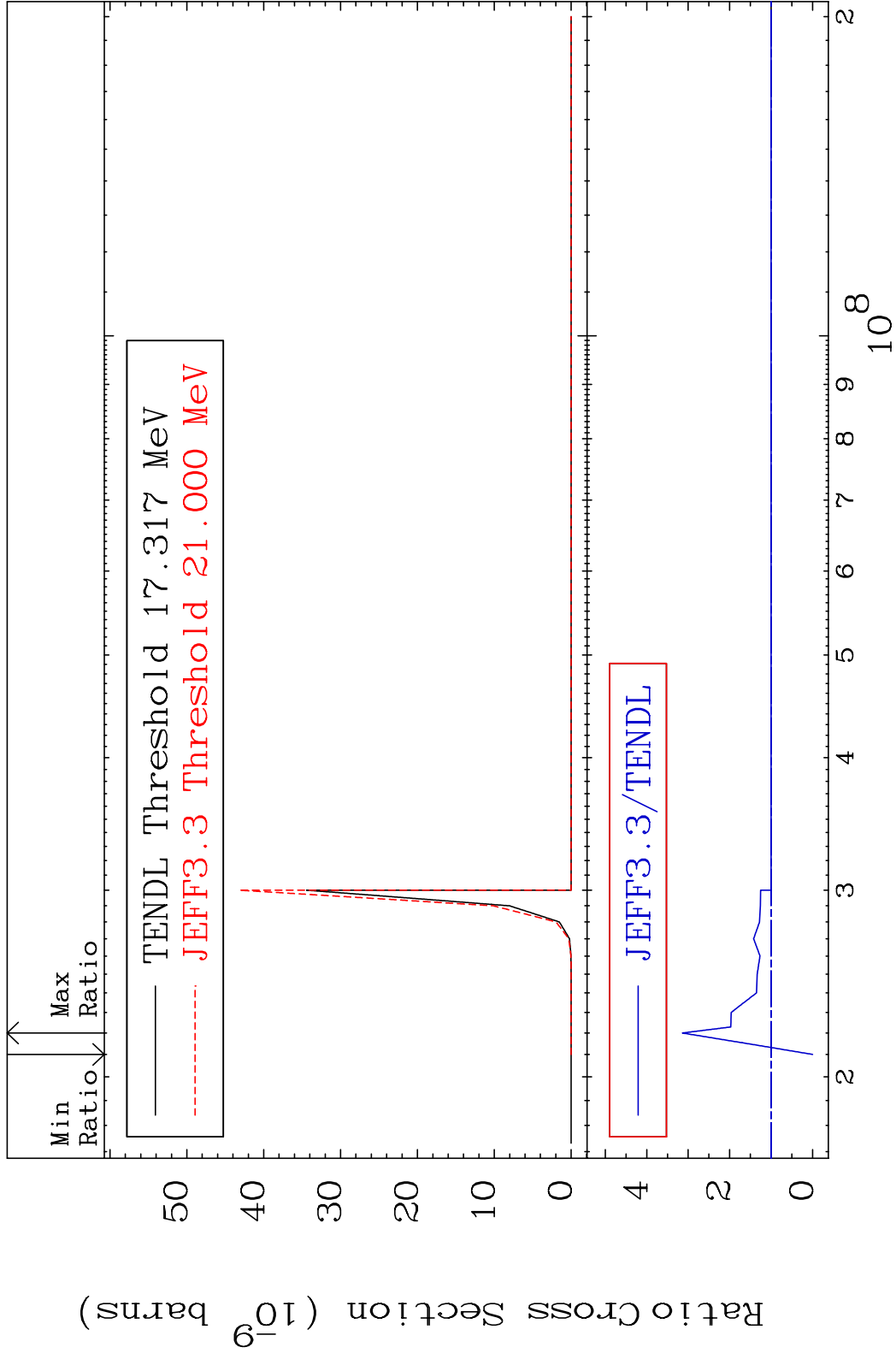
MAT 5534 (n, n') t:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 977.0 %

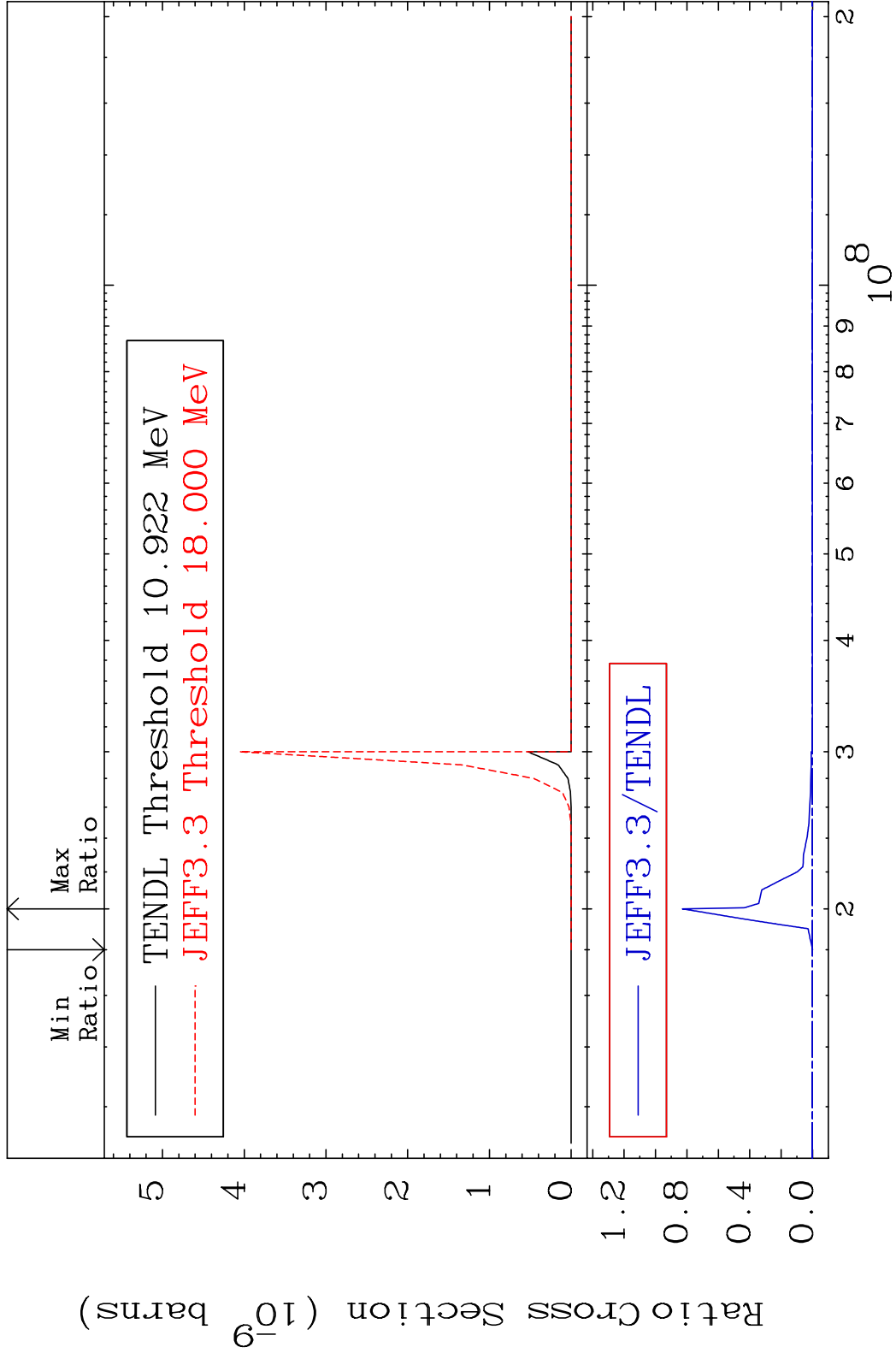


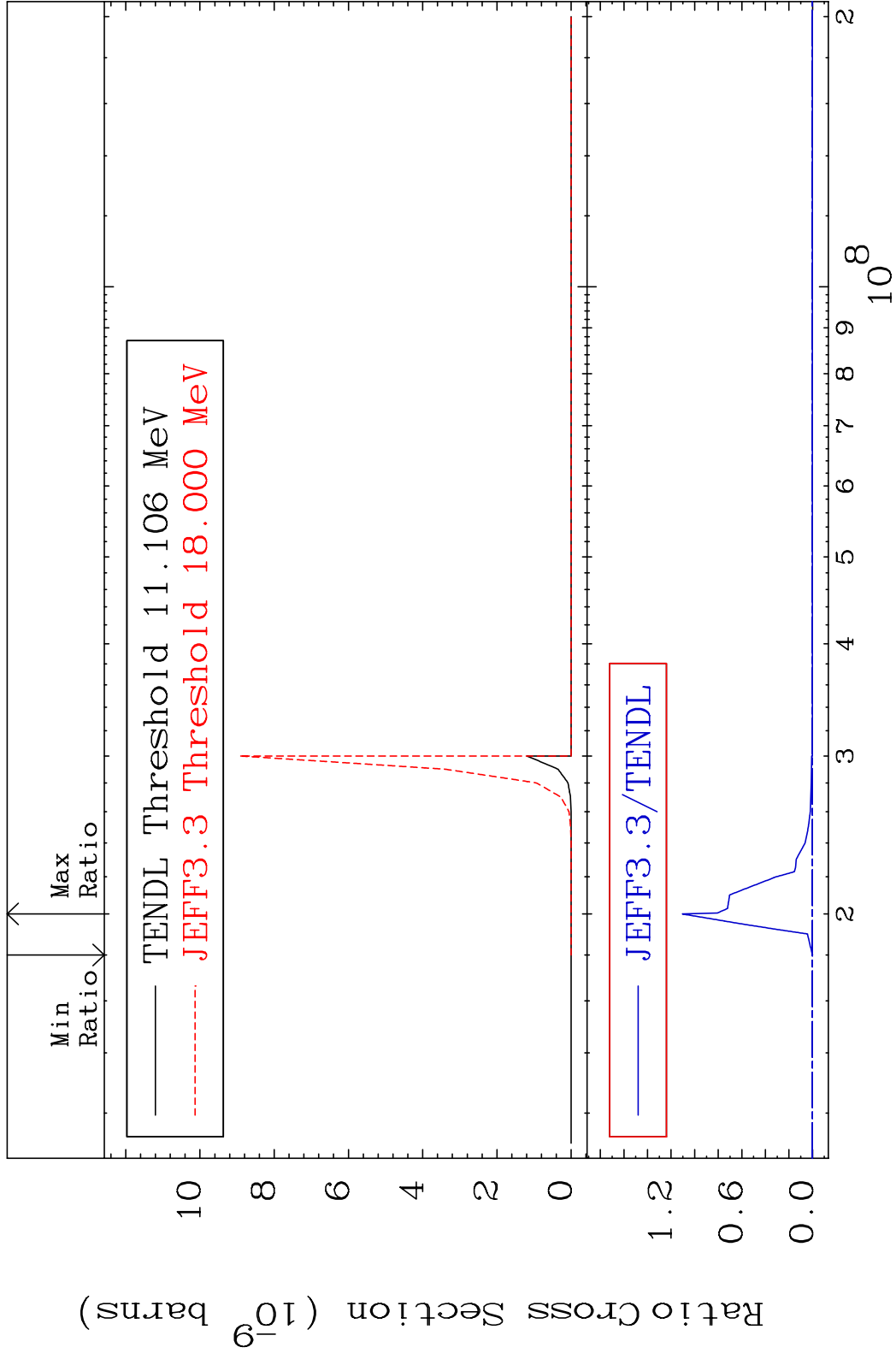




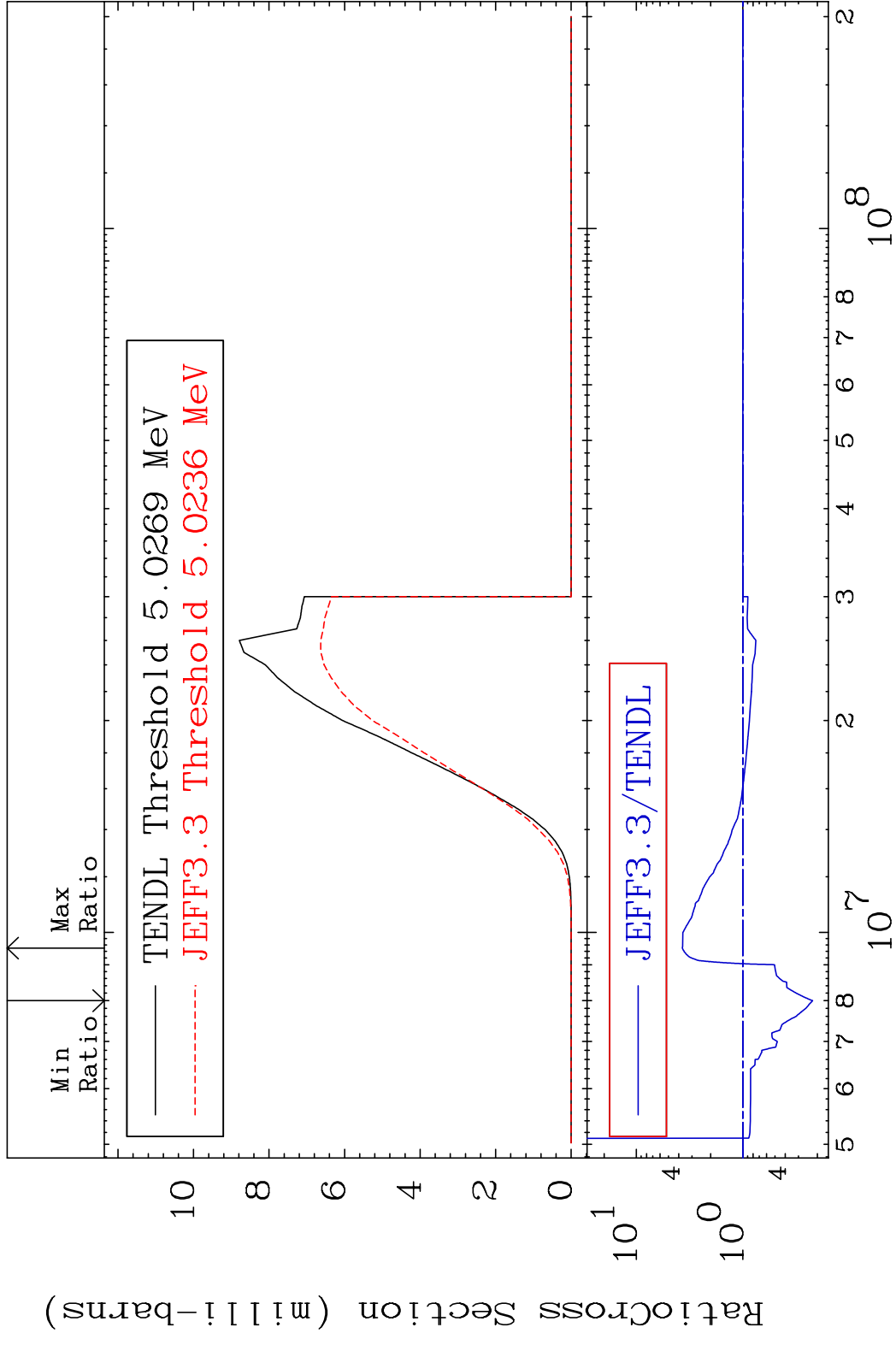




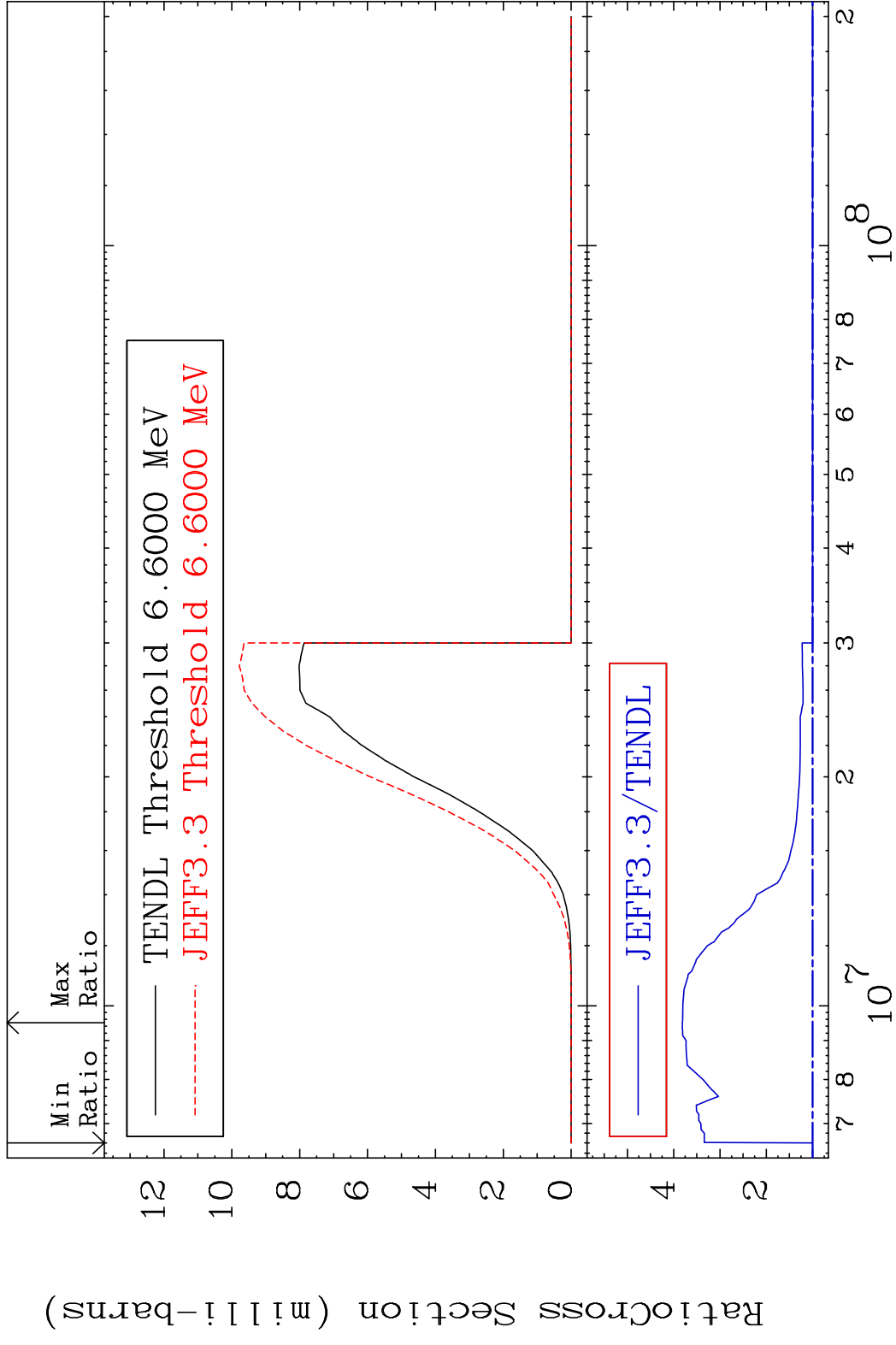




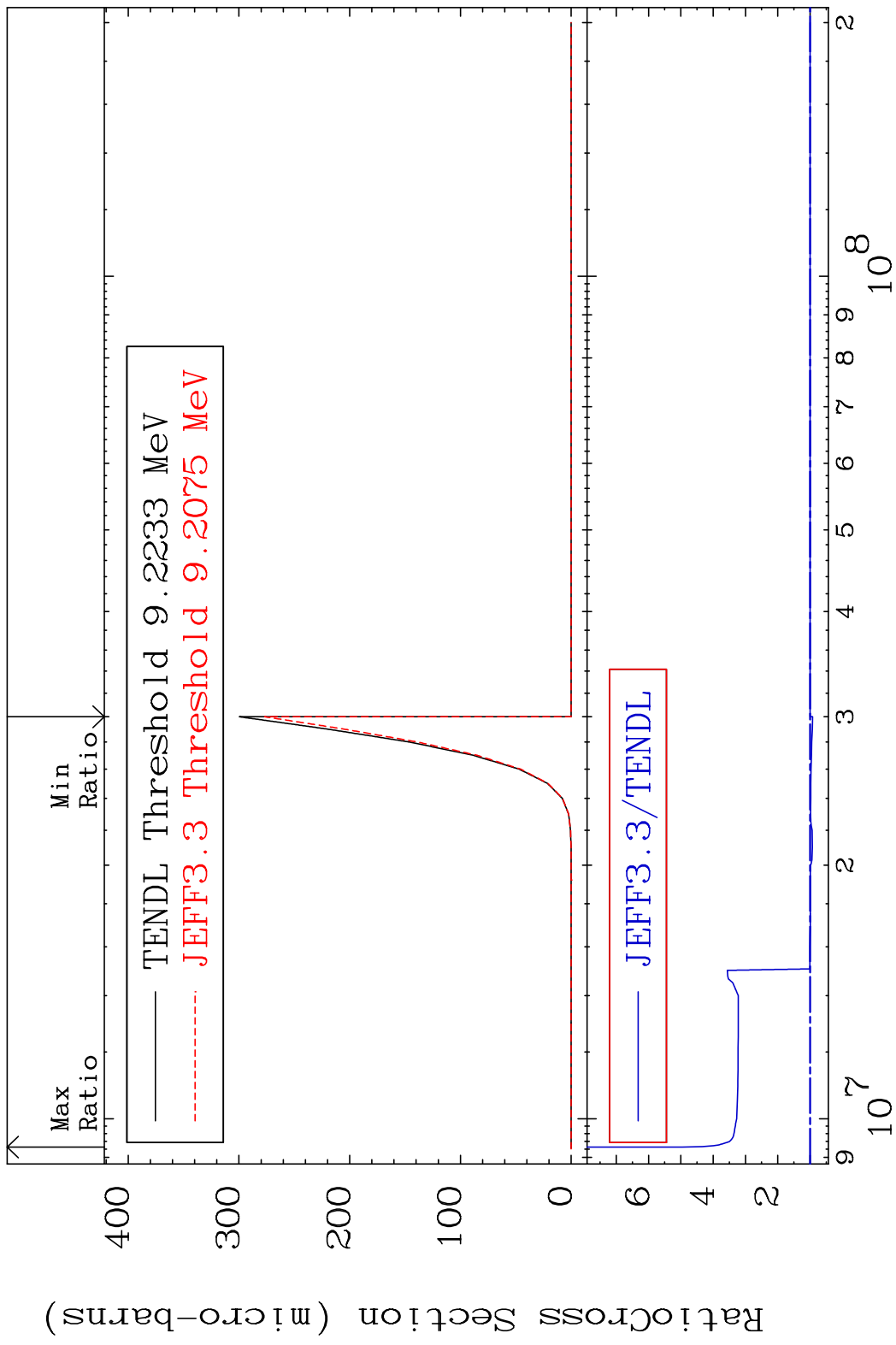
MAT 5534 (n, d):54-Xe-135g 55-Cs-136
 Radionuclide Production Cross Section 269.6 %



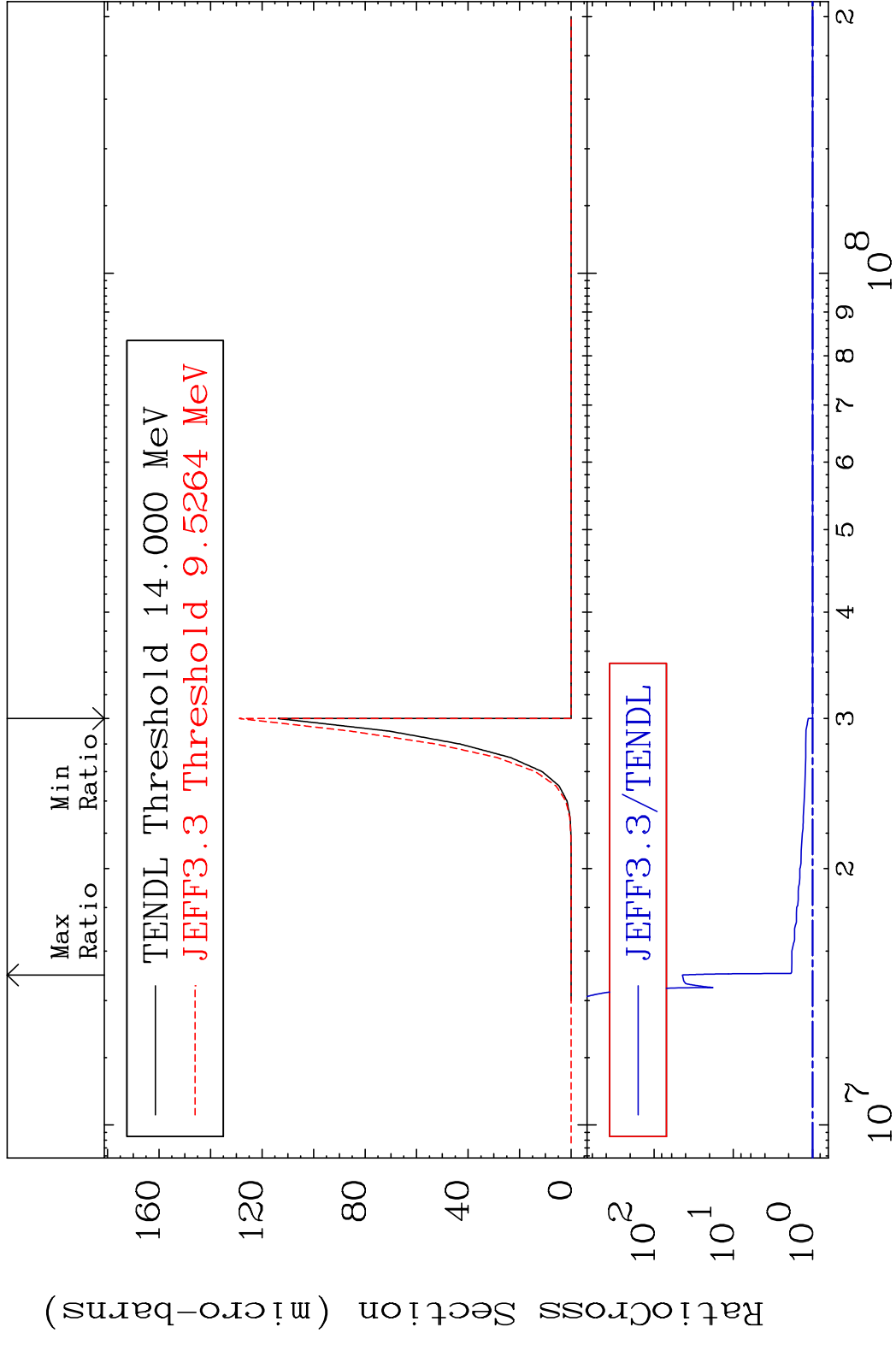
MAT 5534 (n, d):54-Xe-135m2 55-Cs-136
 Radionuclide Production Cross Section 281.2 %



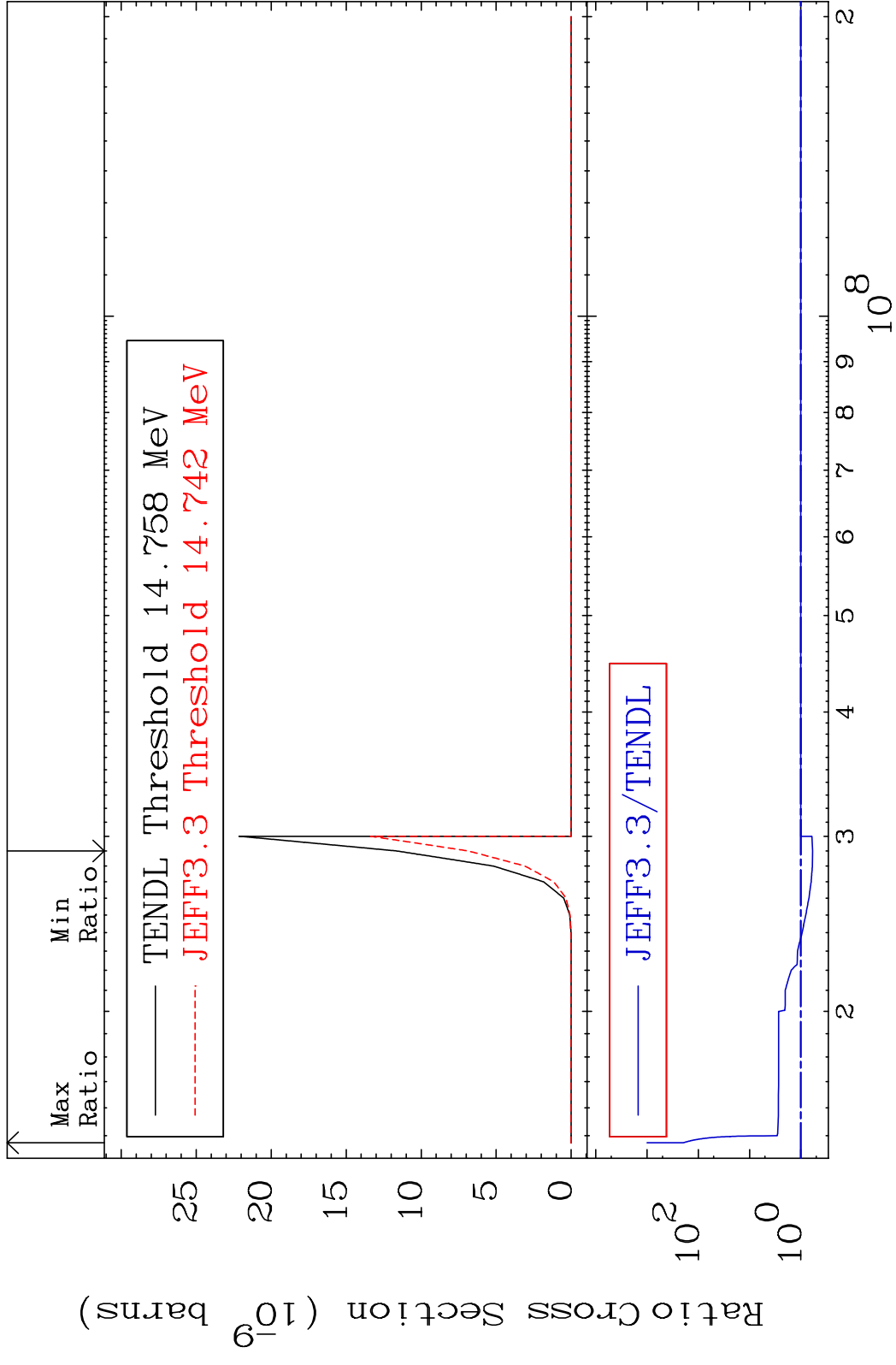
MAT 5534 (n, He-3):53-I -134g 55-Cs-136
 Radionuclide Production Cross Section 395.4 %

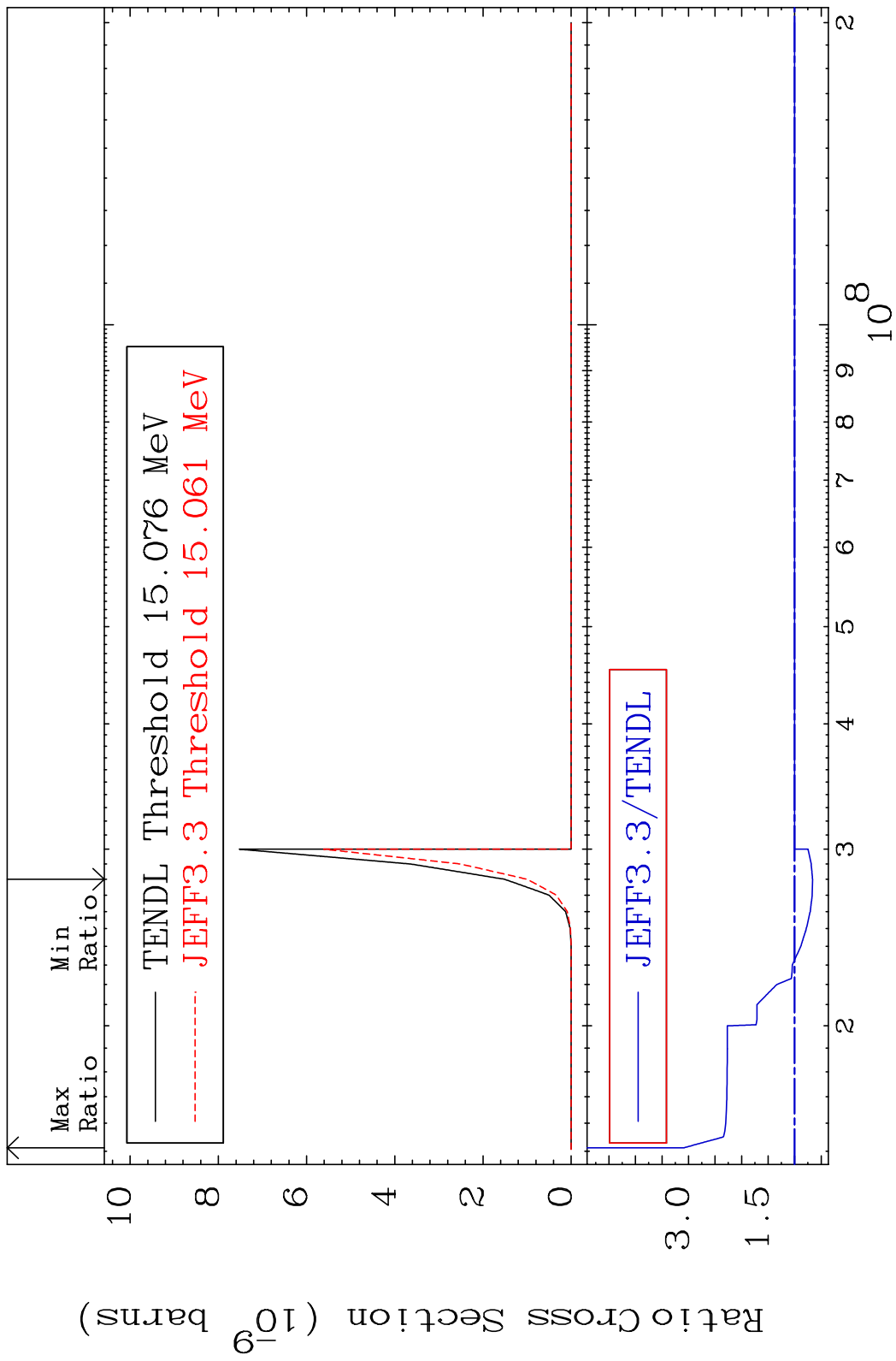


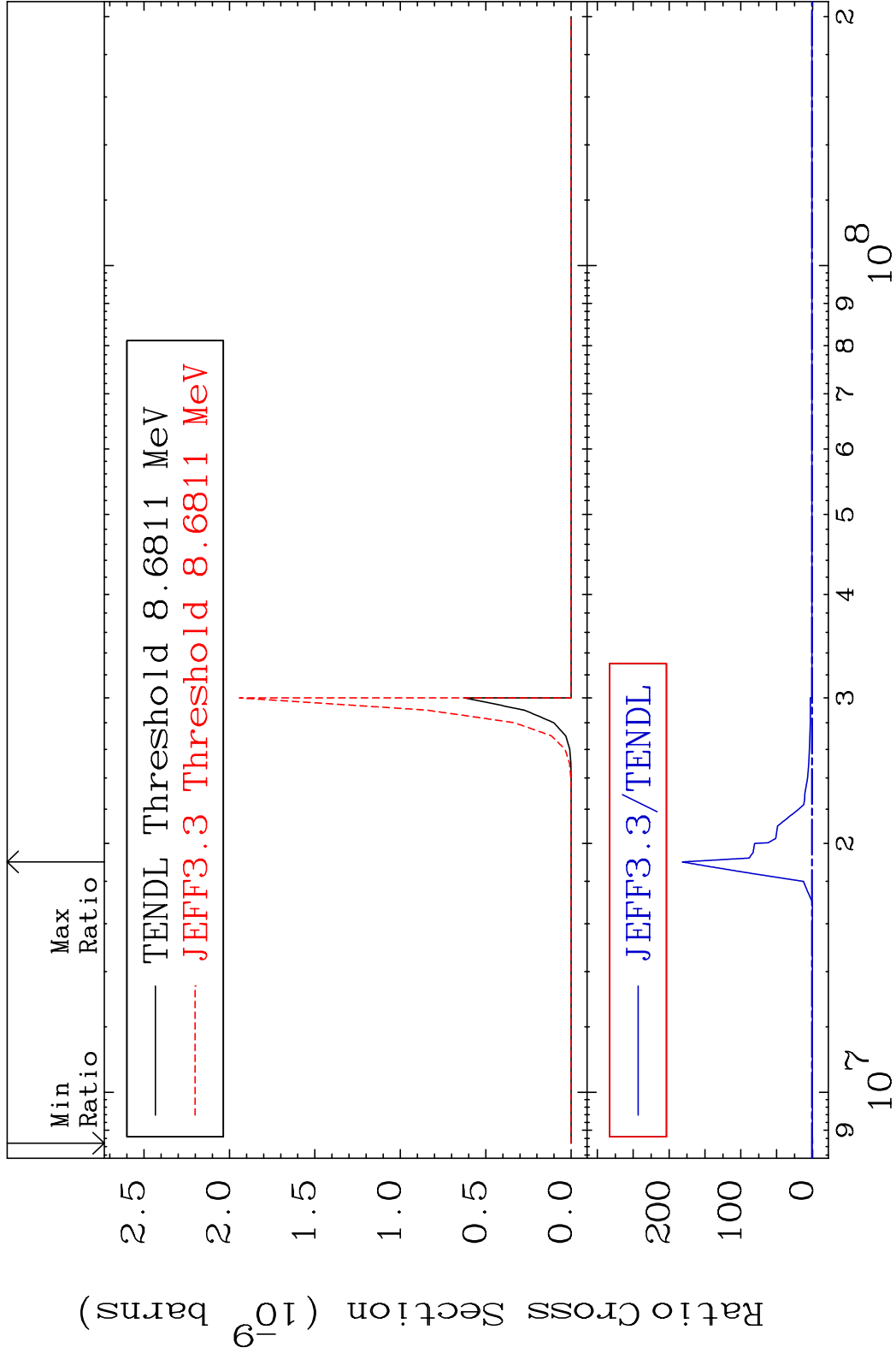
MAT 5534 (n, He-3):53-I -134m5 55-Cs-136
 Radionuclide Production Cross Section 4294. %



90 55-Cs-136







MAT 5534 (n,d) α :52-Te-131m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %

