

Program Complot  
(Version 2021-1)

by

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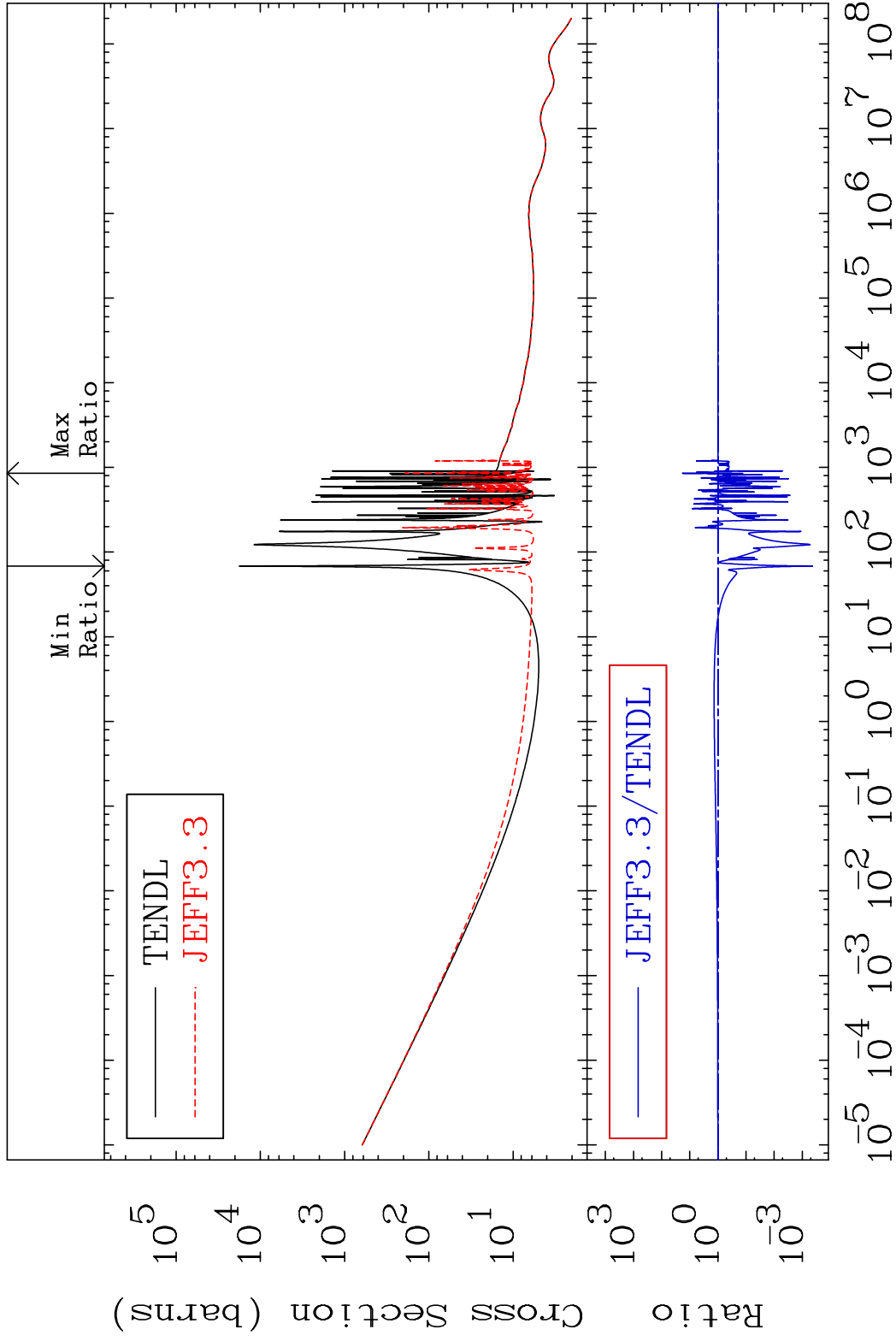
Press Mouse Button to Start

MAT 5137

Total

51-Sb-125

Cross Section -99.96 To 1733. %



1

Incident Energy (eV)

51-Sb-125

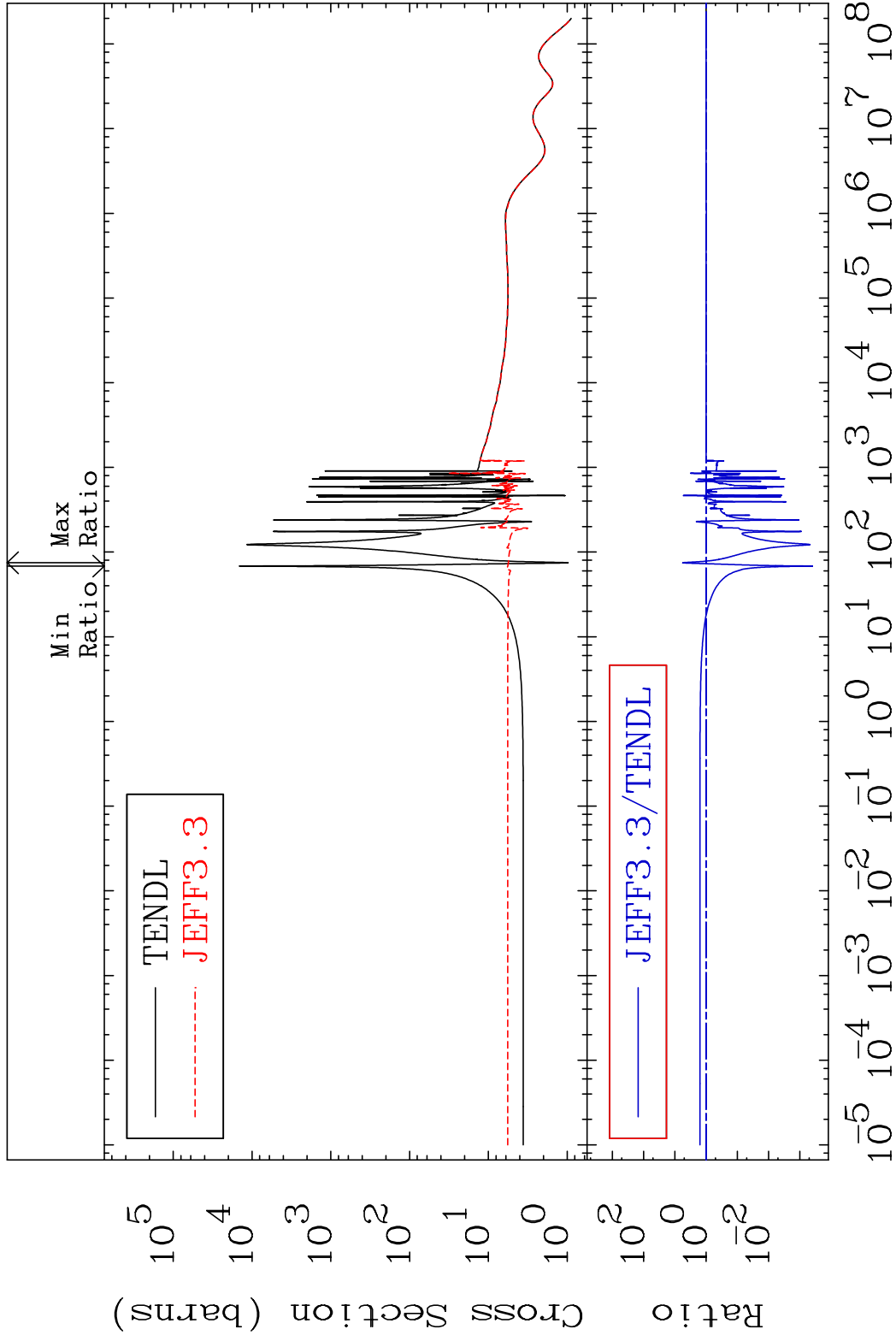
MAT 5137

Elastic

51-Sb-125

Cross Section

-99.96 To 473.4 %



2

Incident Energy (eV)

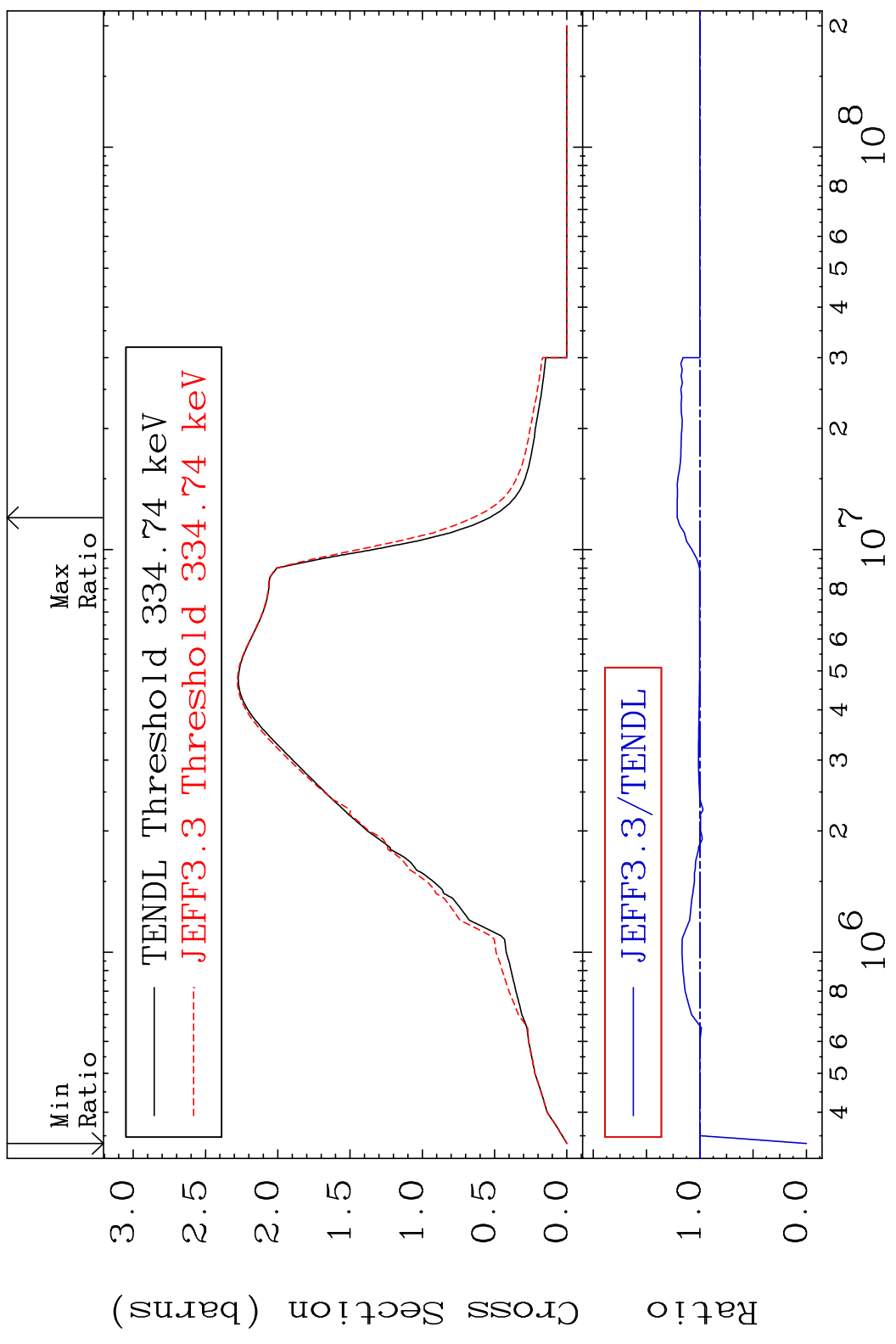
51-Sb-125

MAT 5137

Inelastic

51-Sb-125

Cross Section -100.0 To 21.24 %



3

Incident Energy (eV)

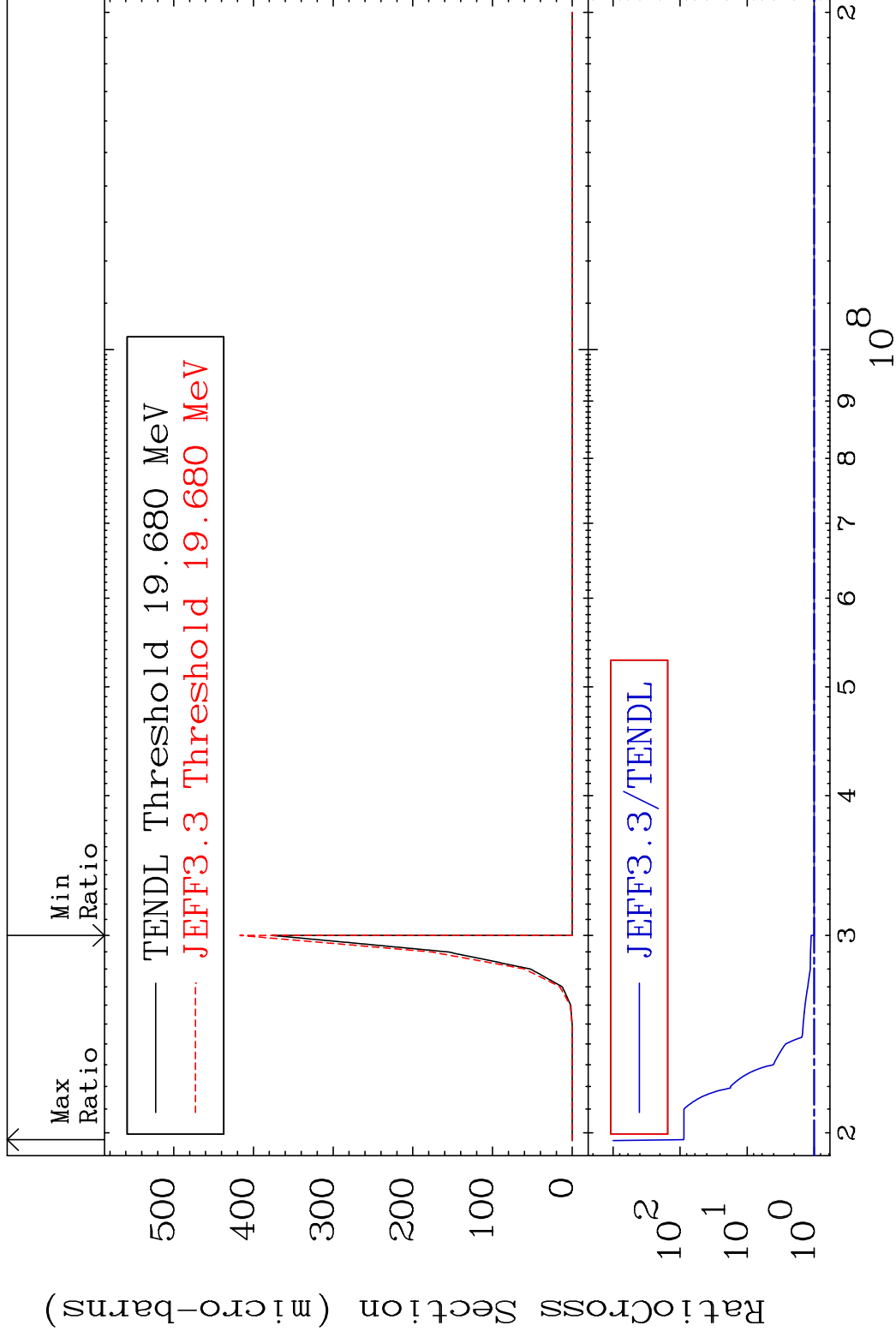
51-Sb-125

MAT 5137

(n,2n) d

51-Sb-125

Cross Section 0.000 To 8761. %



4

Incident Energy (eV)

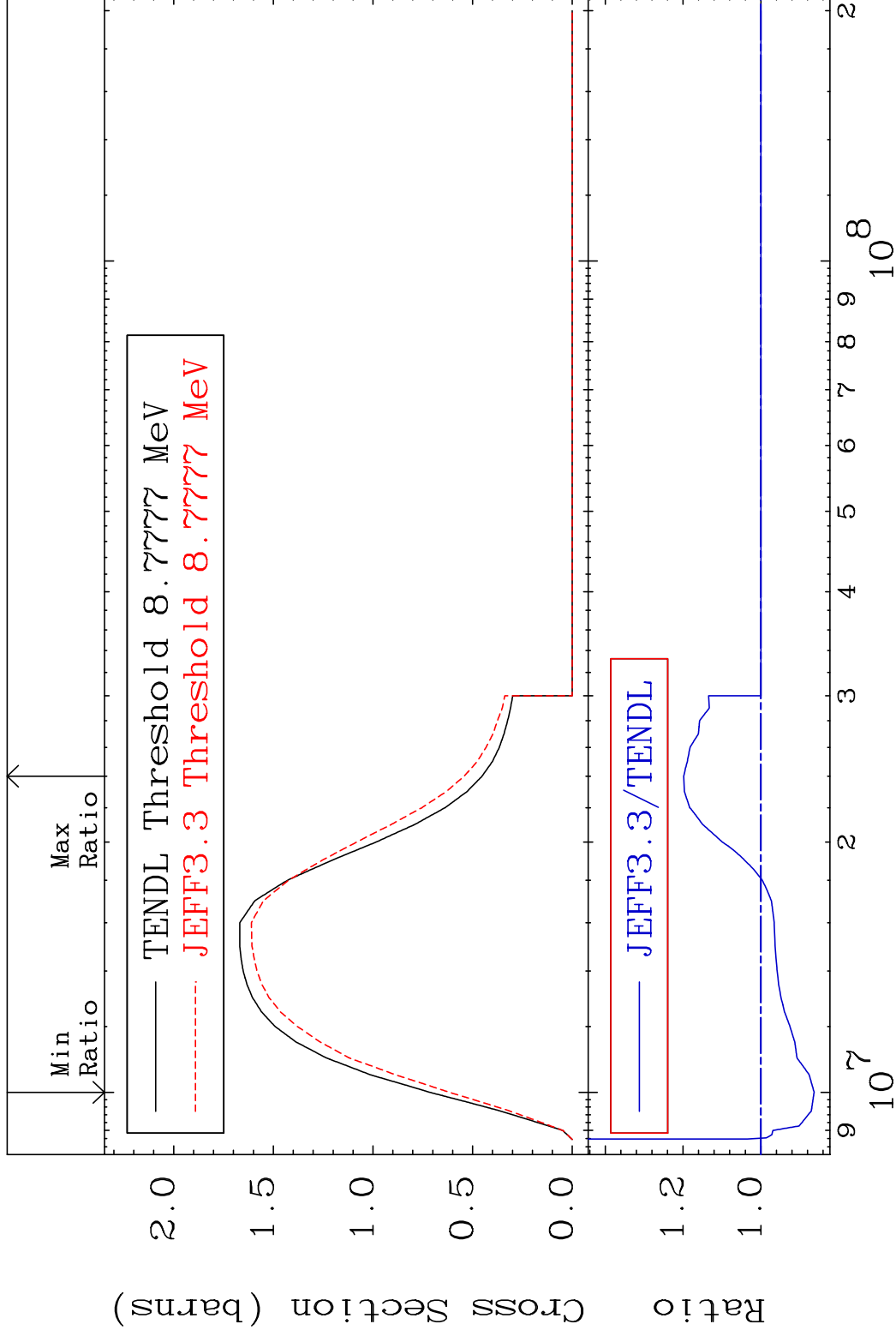
51-Sb-125

MAT 5137

(n,2n)

51-Sb-125

Cross Section -13.71 To 19.85 %



5

Incident Energy (eV)

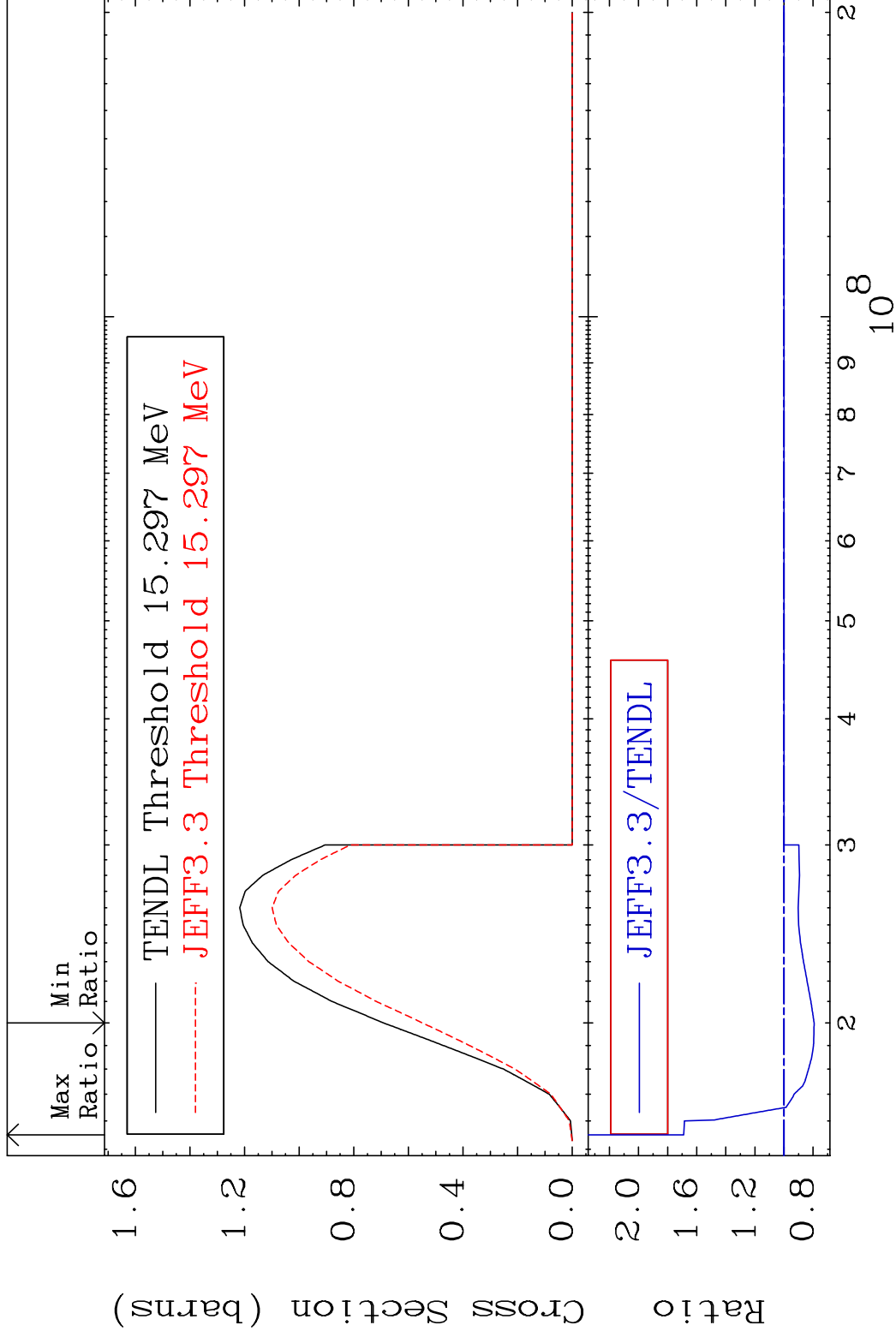
51-Sb-125

MAT 5137

(n,3n)

51-Sb-125

Cross Section -20.69 To 68.98 %

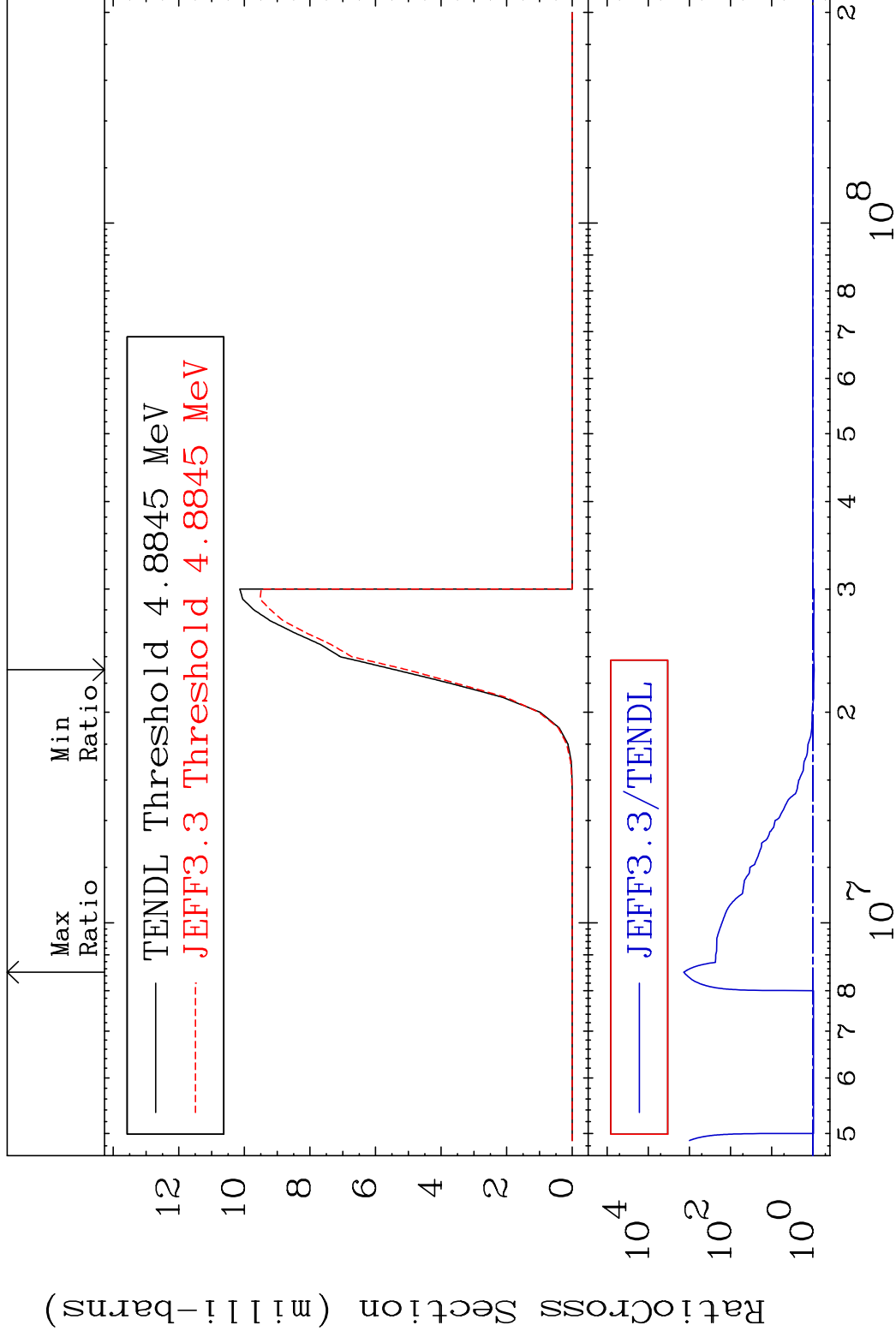


MAT 5137

(n, n')  $\alpha$

51-Sb-125

Cross Section -6.723 To 9999. %



7

Incident Energy (eV)

51-Sb-125

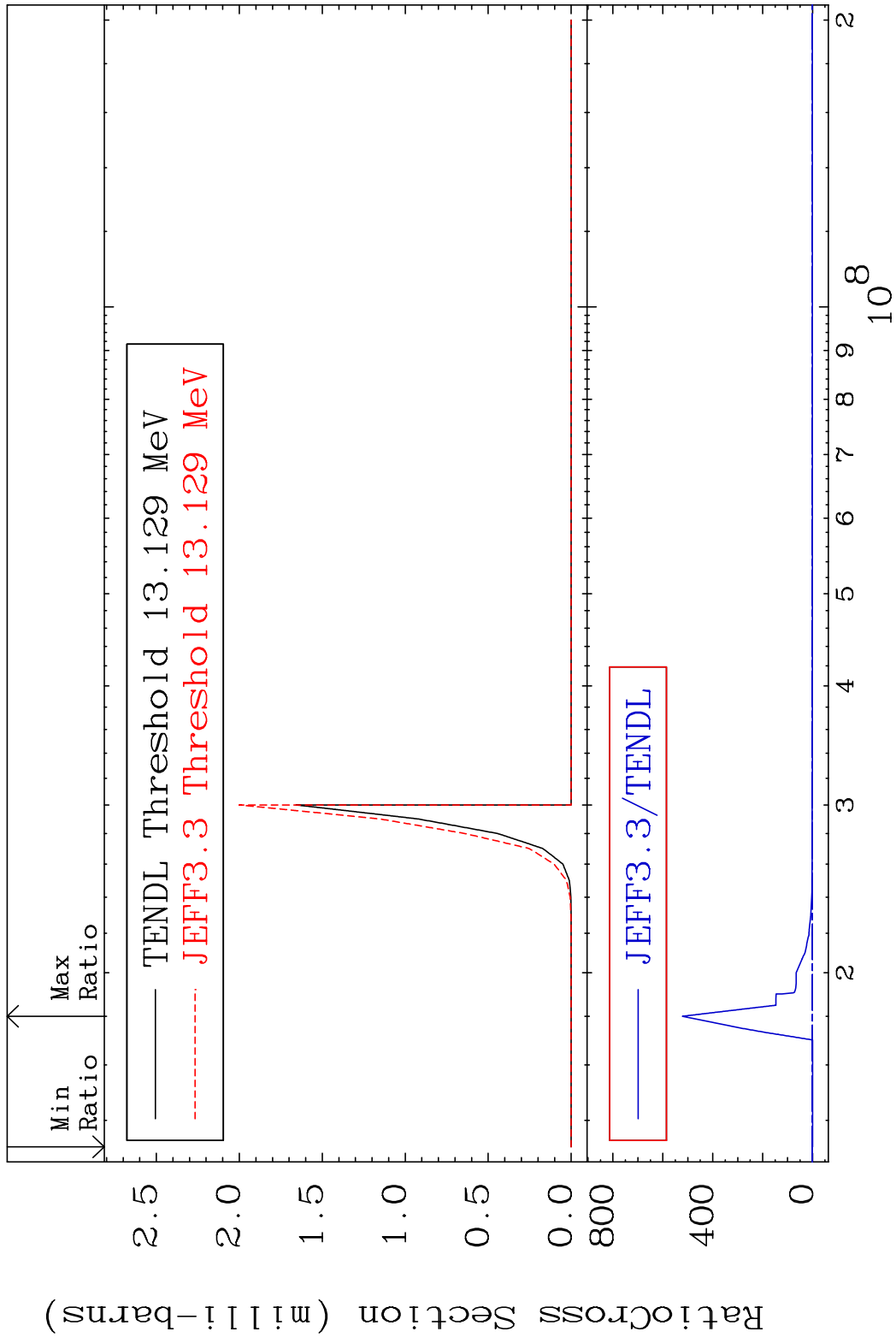


MAT 5137

(n,2n)  $\alpha$

51-Sb-125

Cross Section -100.0 To 9999. %

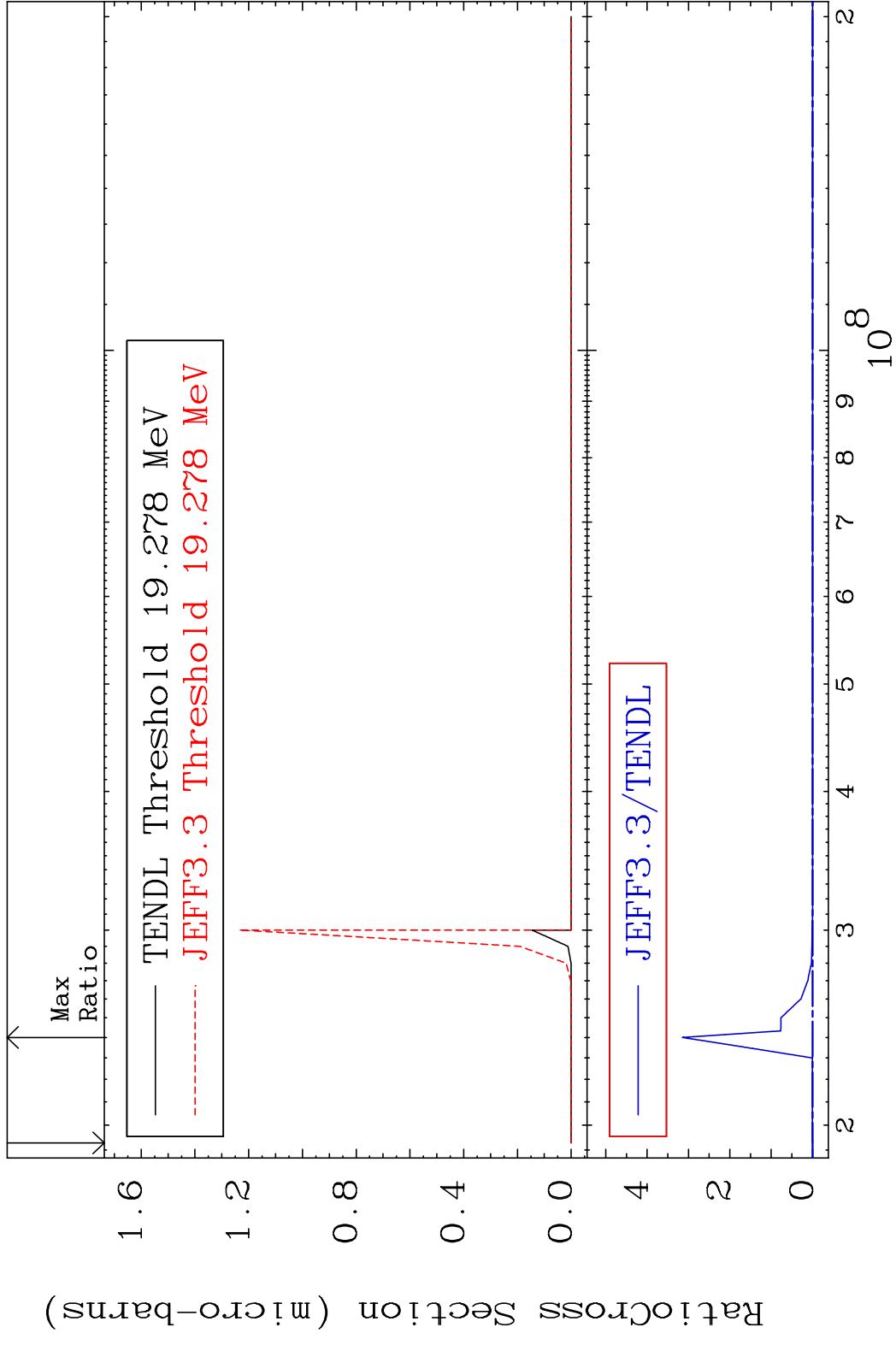


MAT 5137

(n,3n)  $\alpha$

51-Sb-125

Cross Section -100.0 To 9999. %

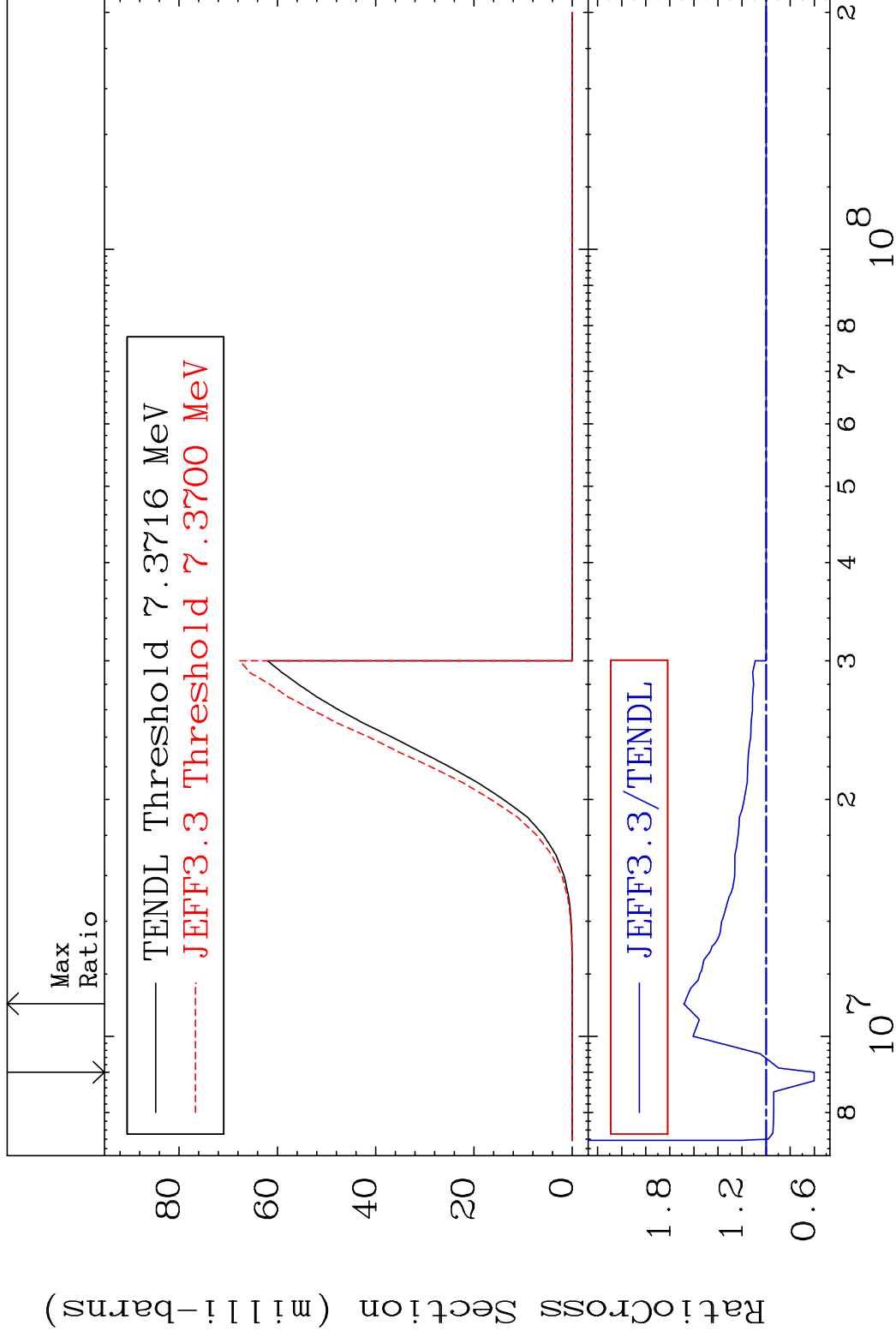


MAT 5137

(n, n') p

51-Sb-125

Cross Section -39.84 To 68.52 %



10

Incident Energy (eV)

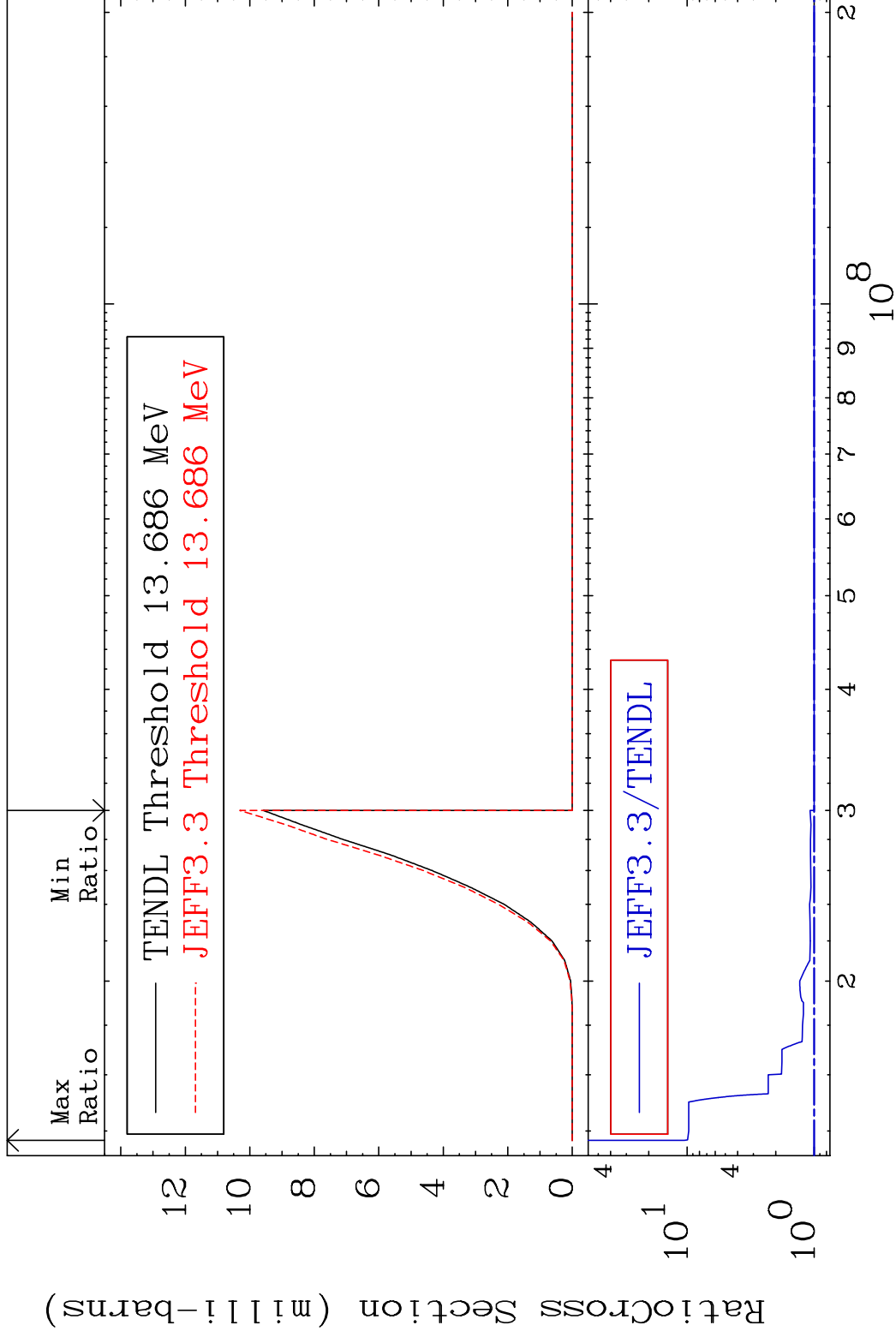
51-Sb-125

MAT 5137

(n, n') d

51-Sb-125

Cross Section 0.000 To 963.3 %



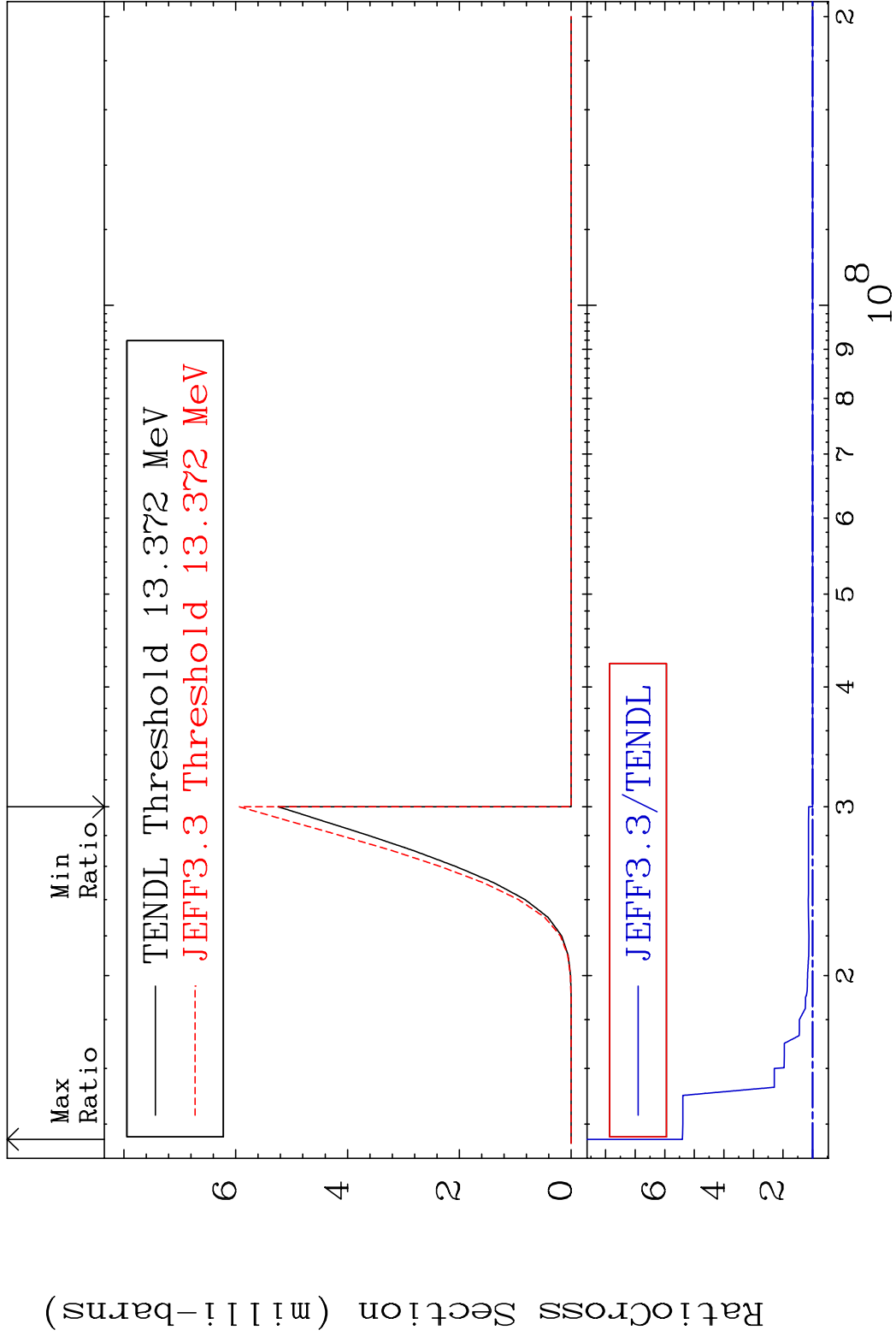
MAT 5137

(n, n') t

51-Sb-125

Cross Section 0.000

To 440.4 %



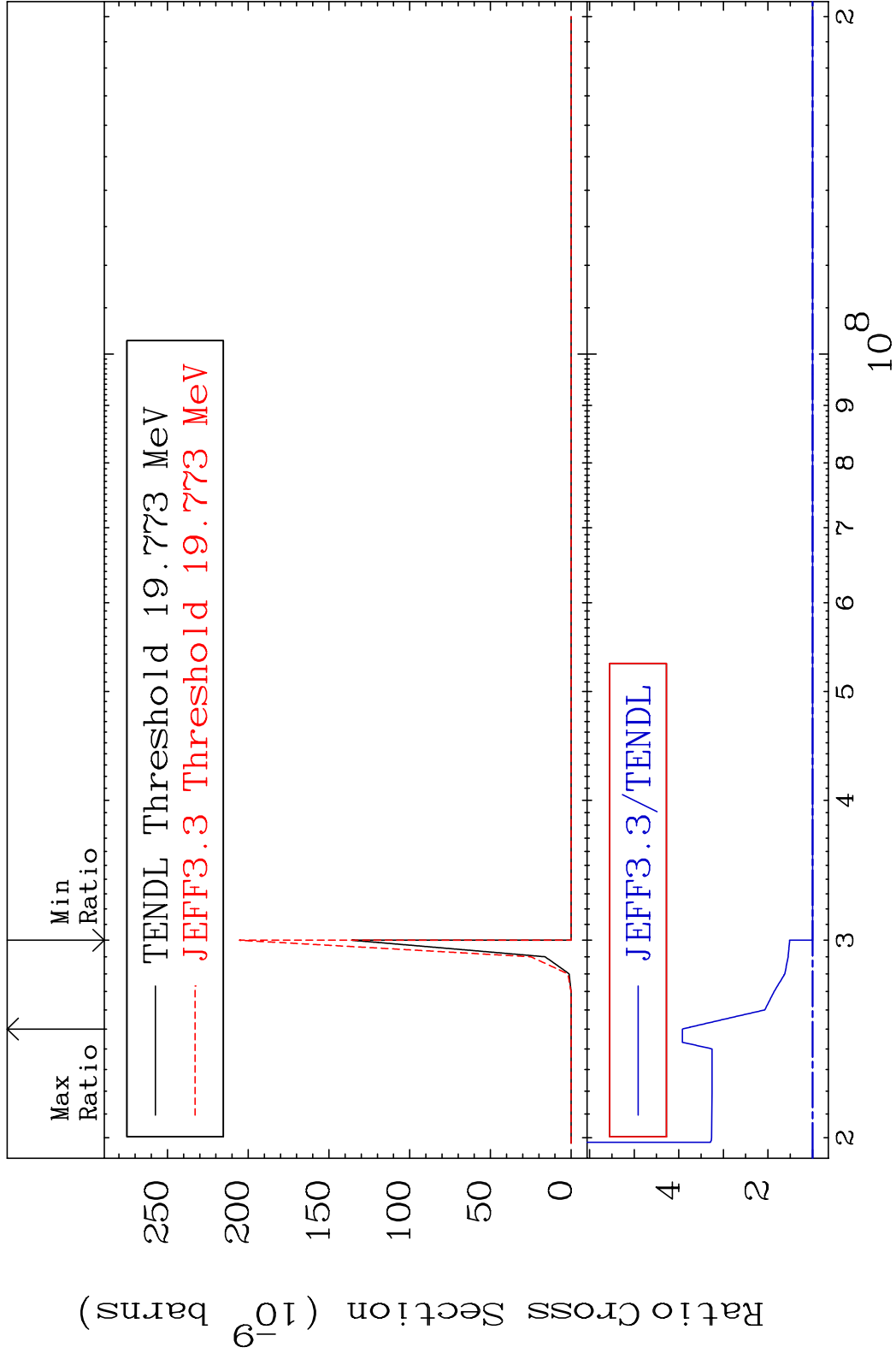
MAT 5137

(n,n') He-3

51-Sb-125

Cross Section 0.000

To 291.9 %

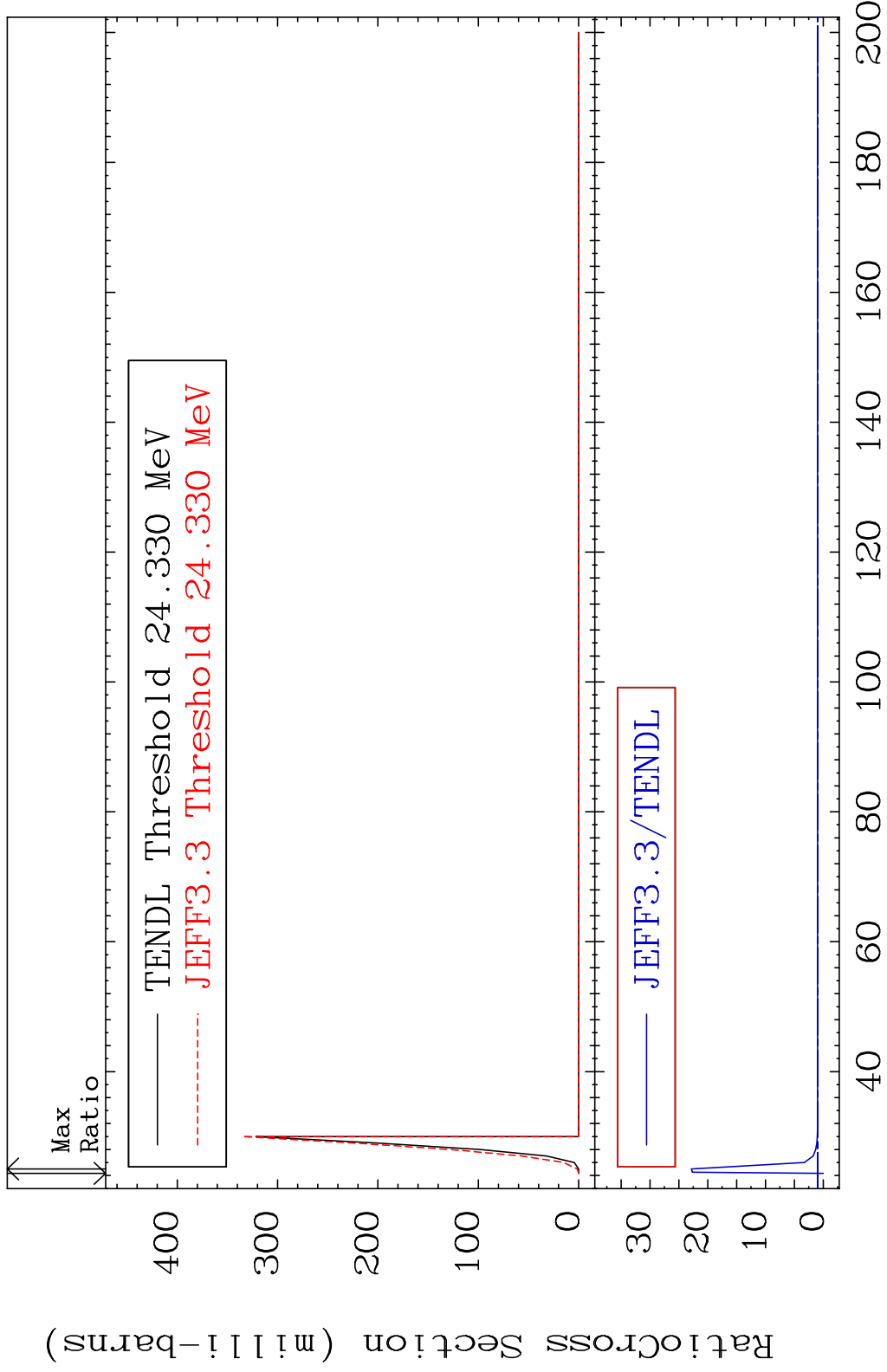


MAT 5137

(n,4n)

51-Sb-125

Cross Section -100.0 To 2184. %



MAT 5137

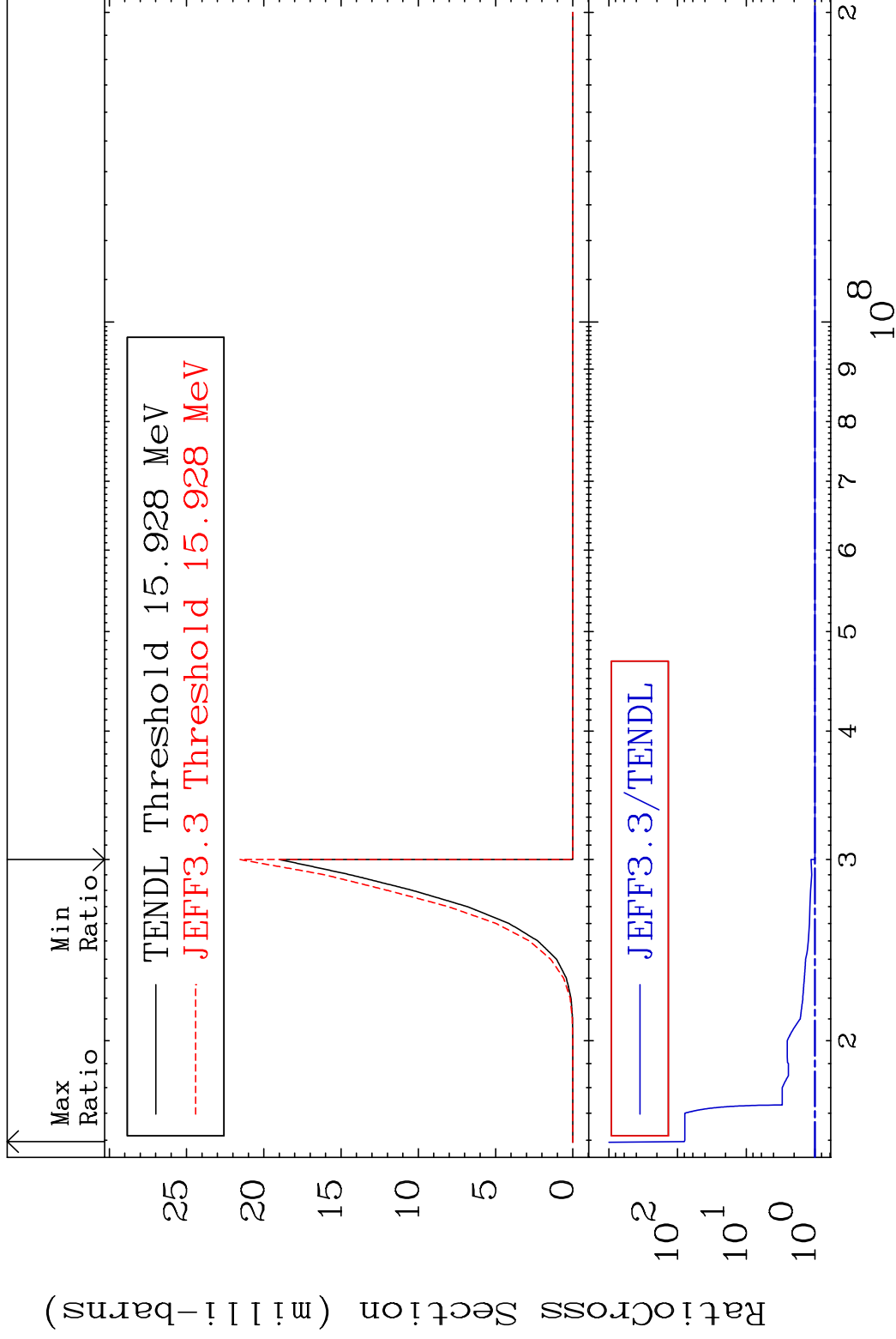
(n,2n) p

51-Sb-125

Cross Section

0.000

To 7881. %





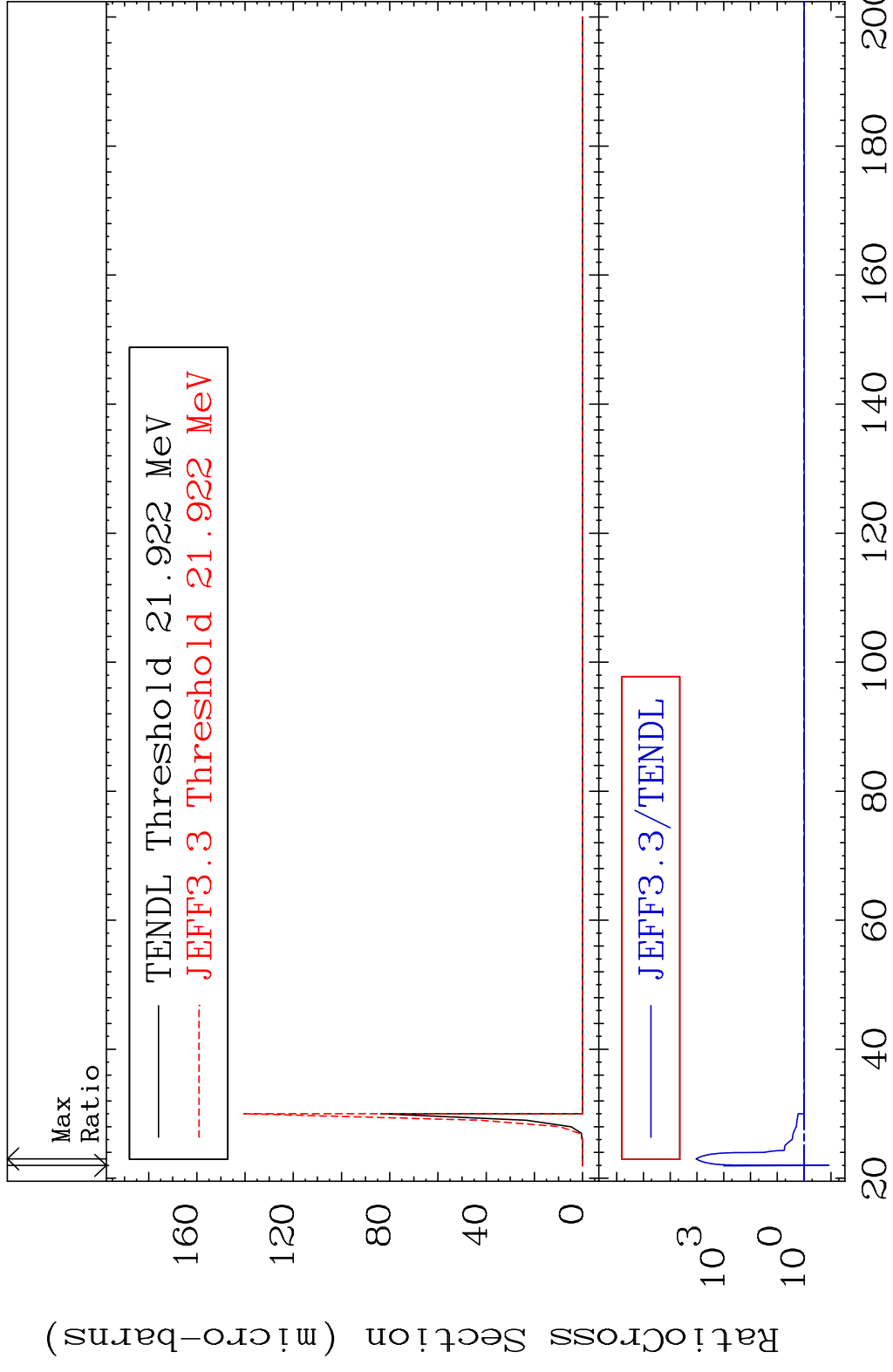
MAT 5137

(n,3n) p

51-Sb-125

Cross Section

-88.03 To 9999. %

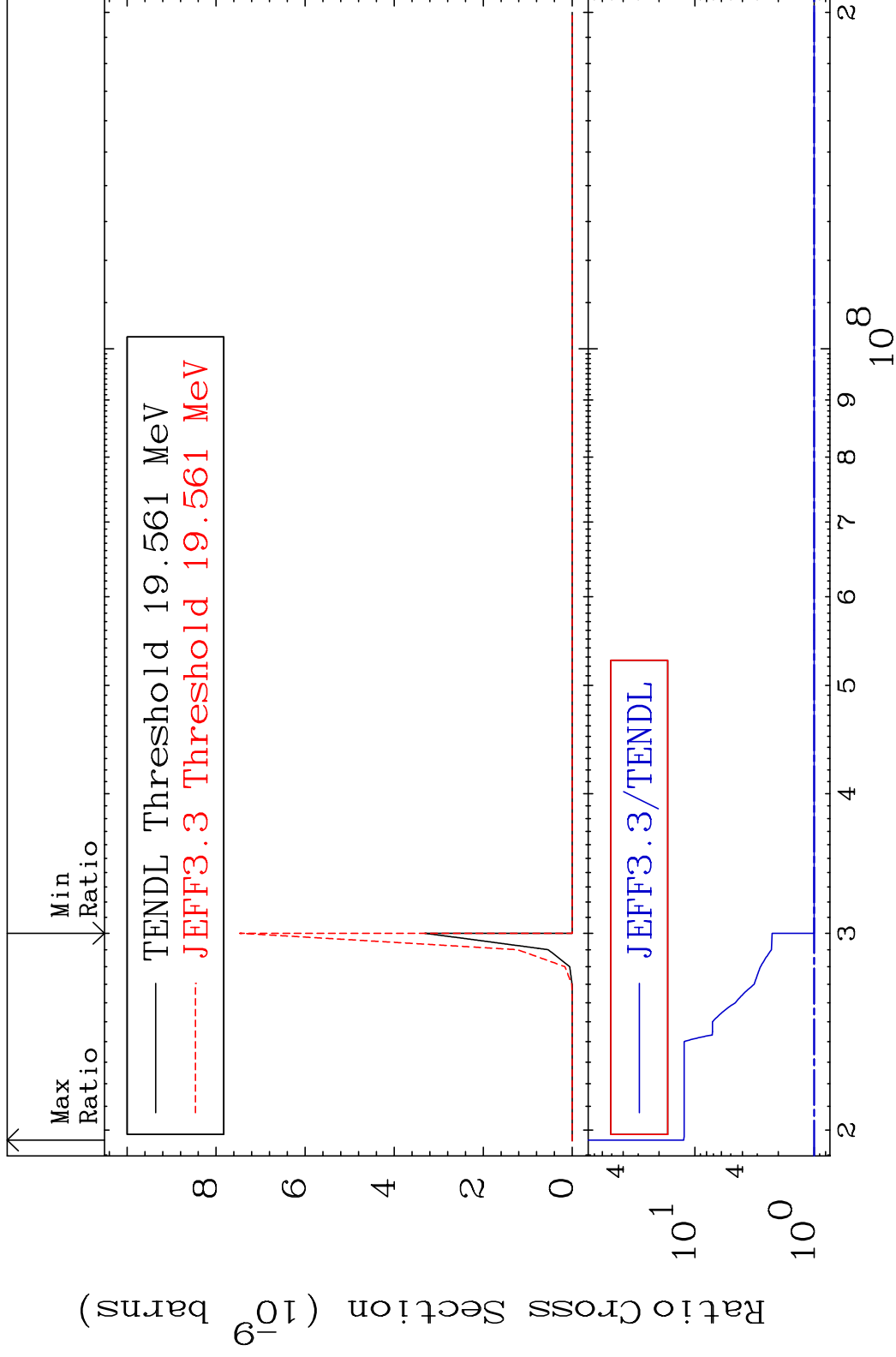


MAT 5137

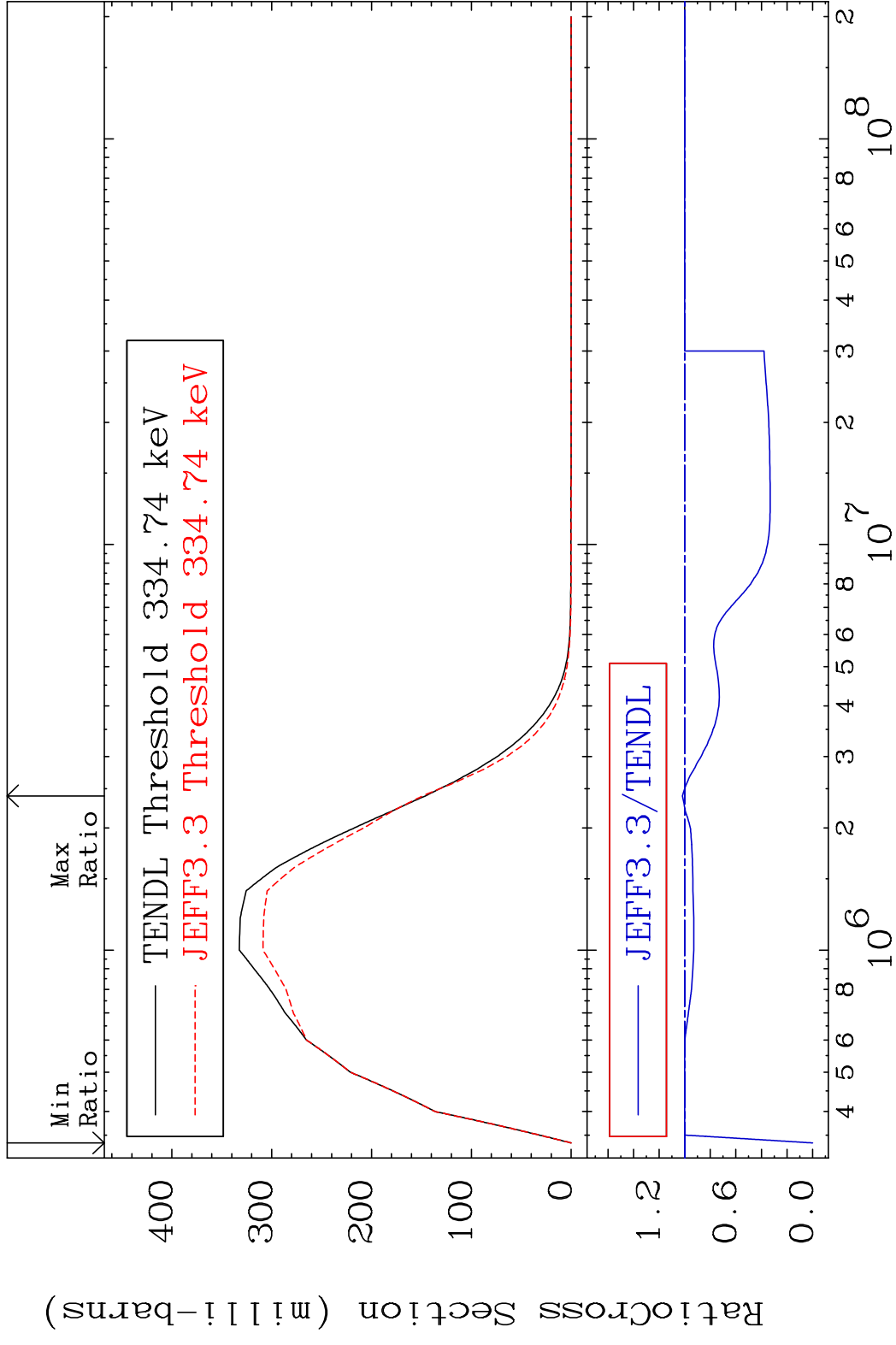
(n,2n) p

51-Sb-125

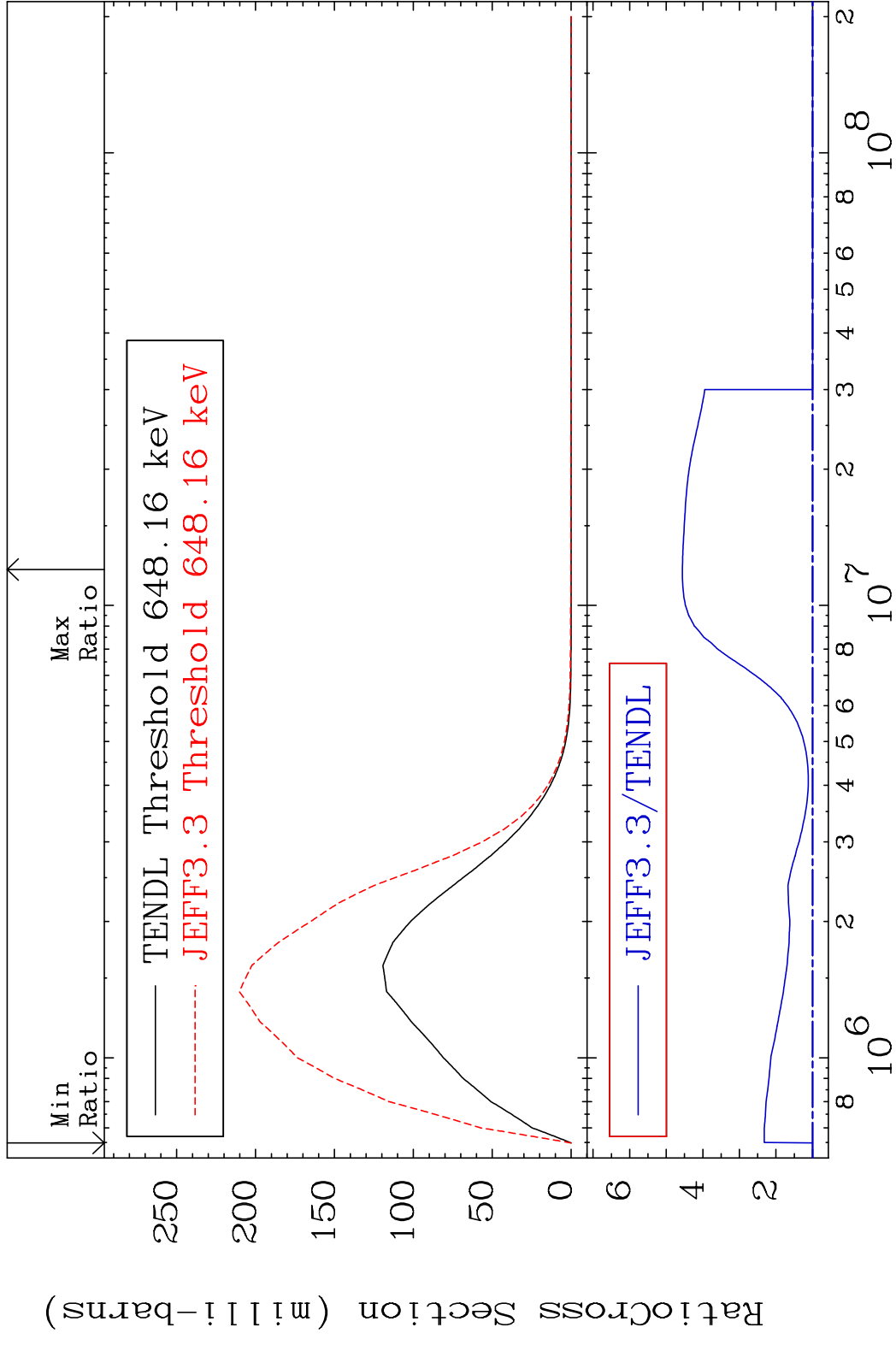
Cross Section 0.000 To 1144. %



MAT 5137 MT= 51 (n, n') Level 51-Sb-125  
 Cross Section -100.0 To 1.850 %



MAT 5137 MT= 52 (n, n') Level 51-Sb-125  
 Cross Section 0.000 To 356.0 %

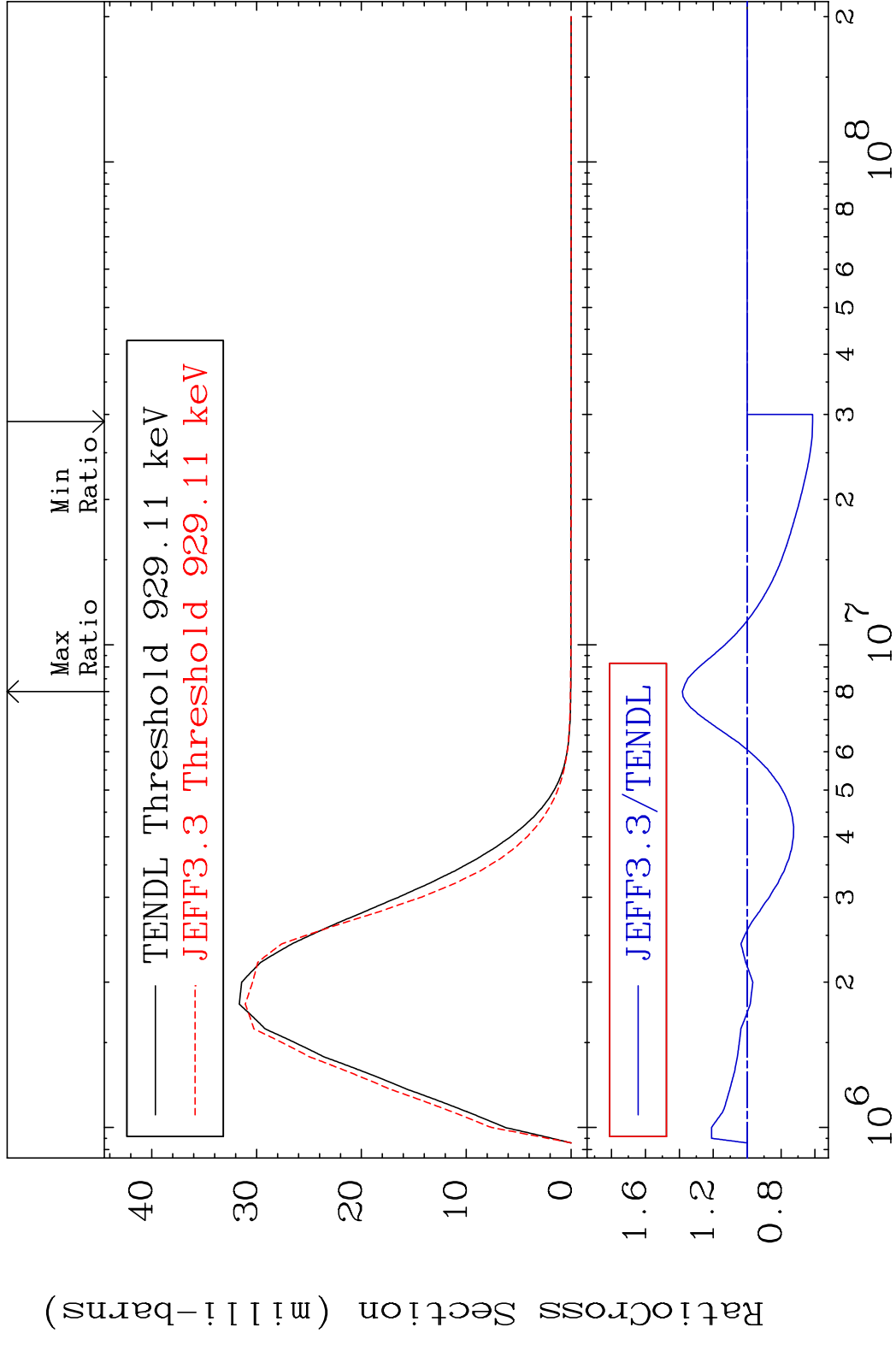


MAT 5137

MT= 53 (n, n') Level

51-Sb-125

Cross Section -38.57 To 38.21 %

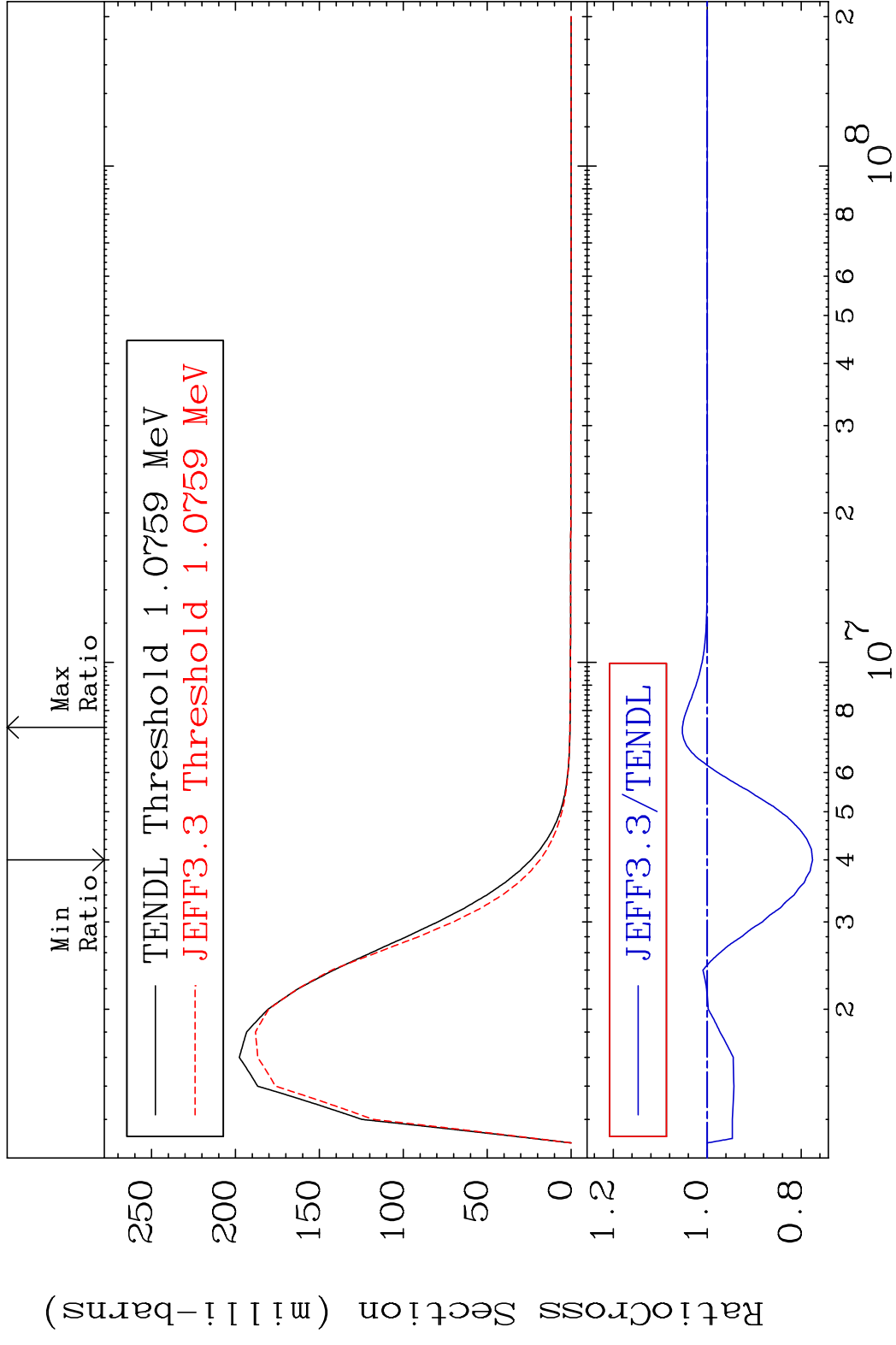


MAT 5137

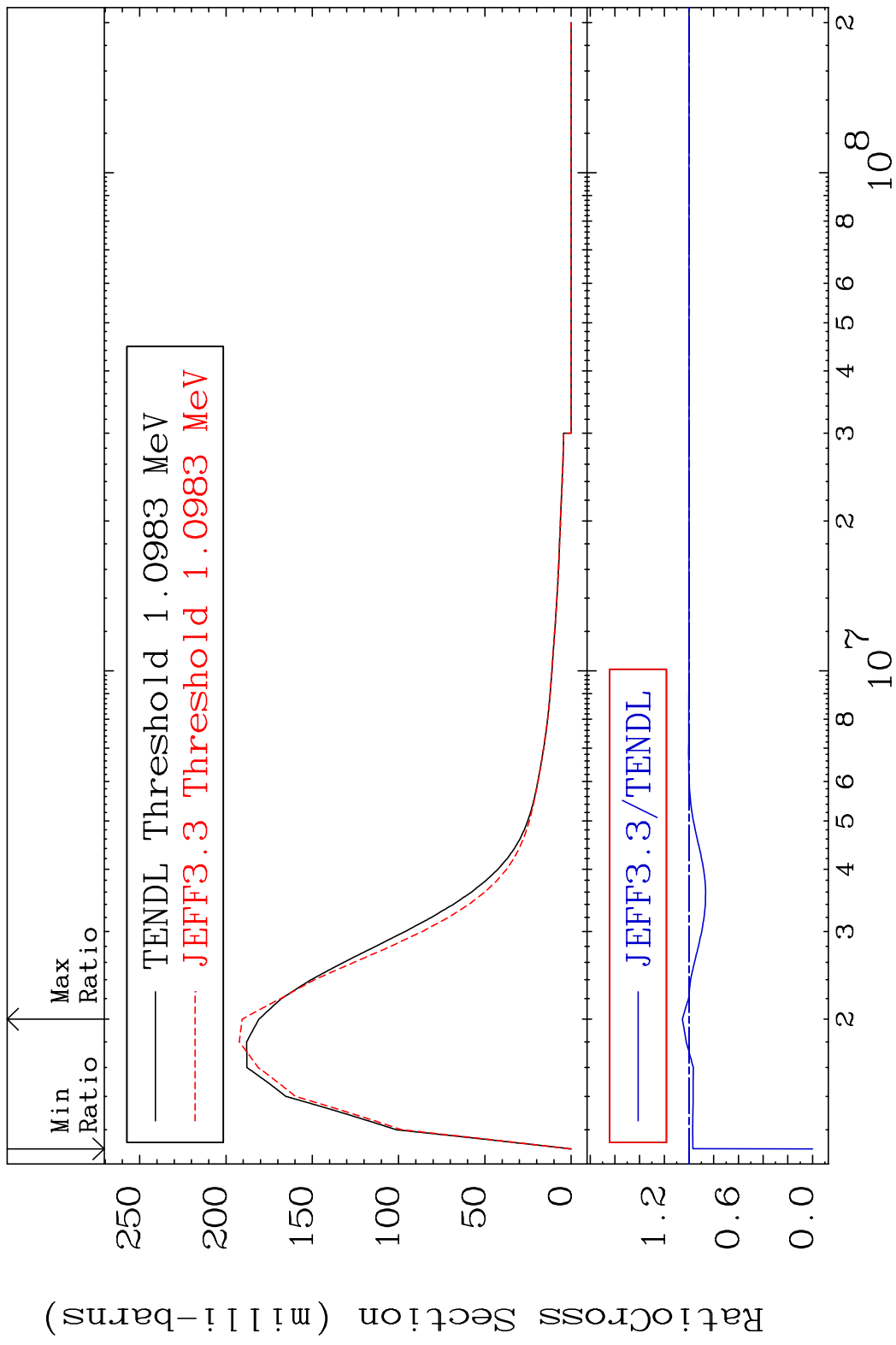
MT= 54 (n, n') Level

51-Sb-125

Cross Section -22.42 To 5.289 %



MAT 5137 MT= 55 (n,n') Level 51-Sb-125  
 Cross Section -100.0 To 5.379 %

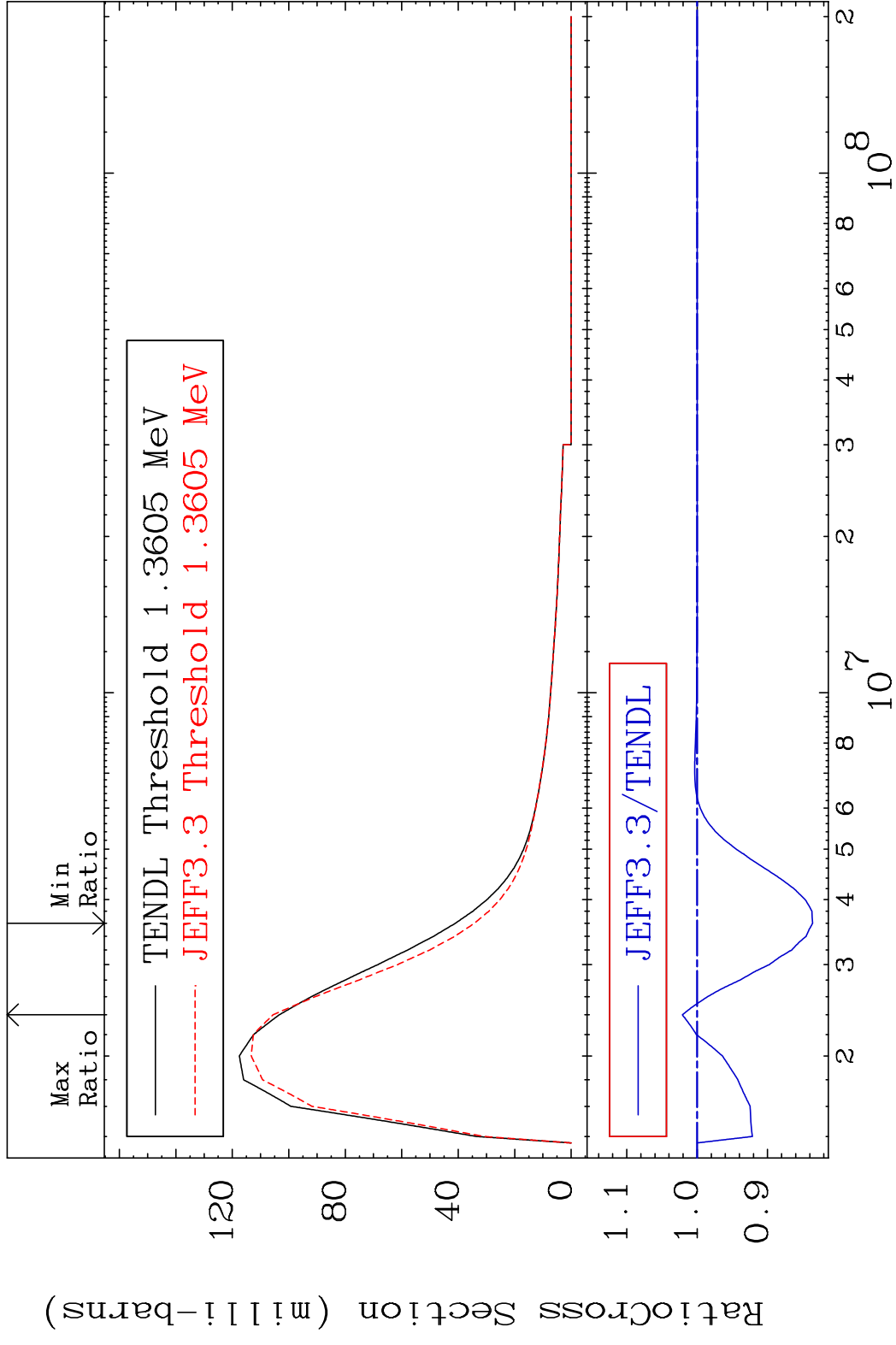


MAT 5137

MT= 56 (n, n') Level

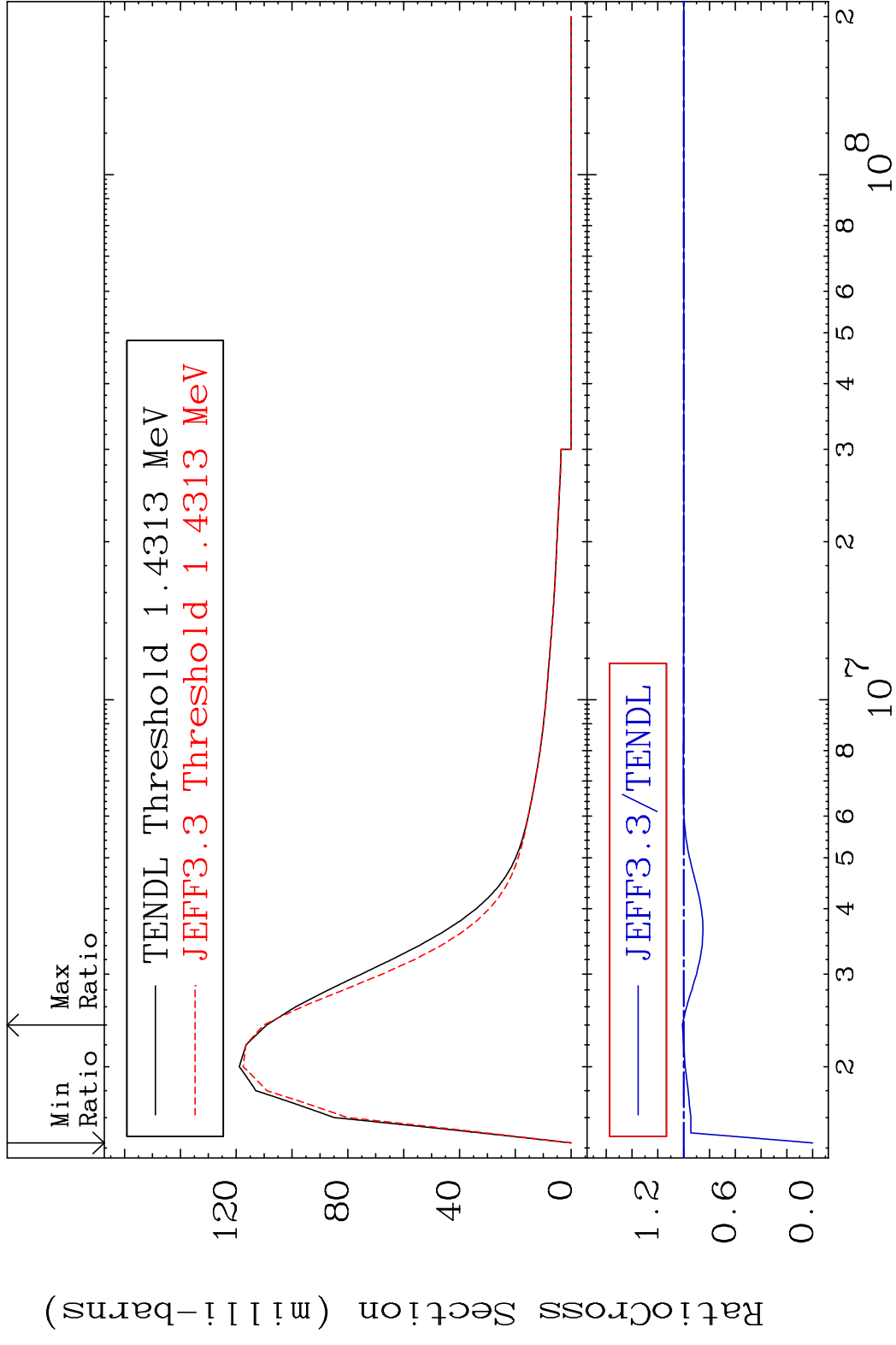
51-Sb-125

Cross Section -16.40 To 2.104 %

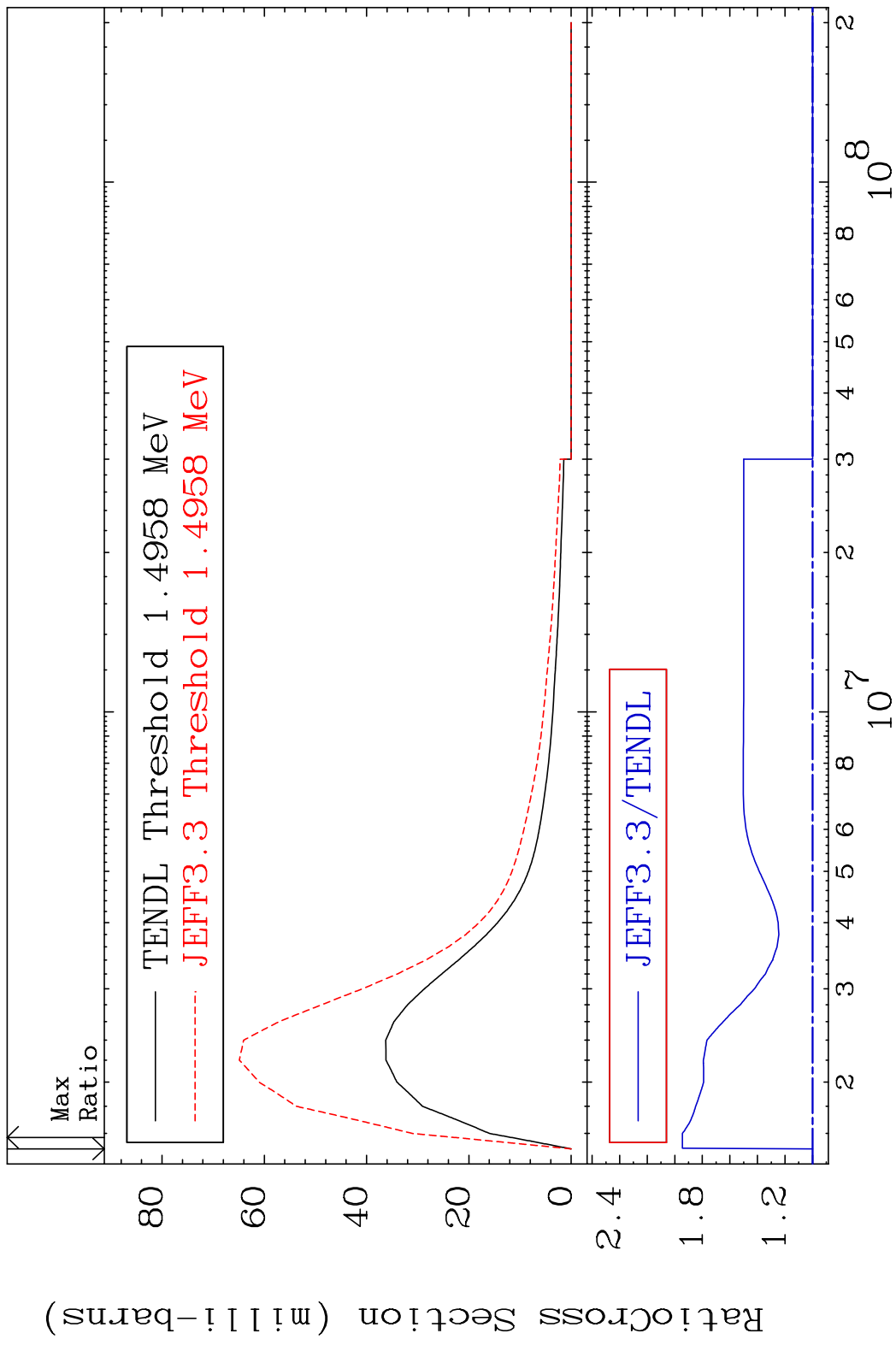




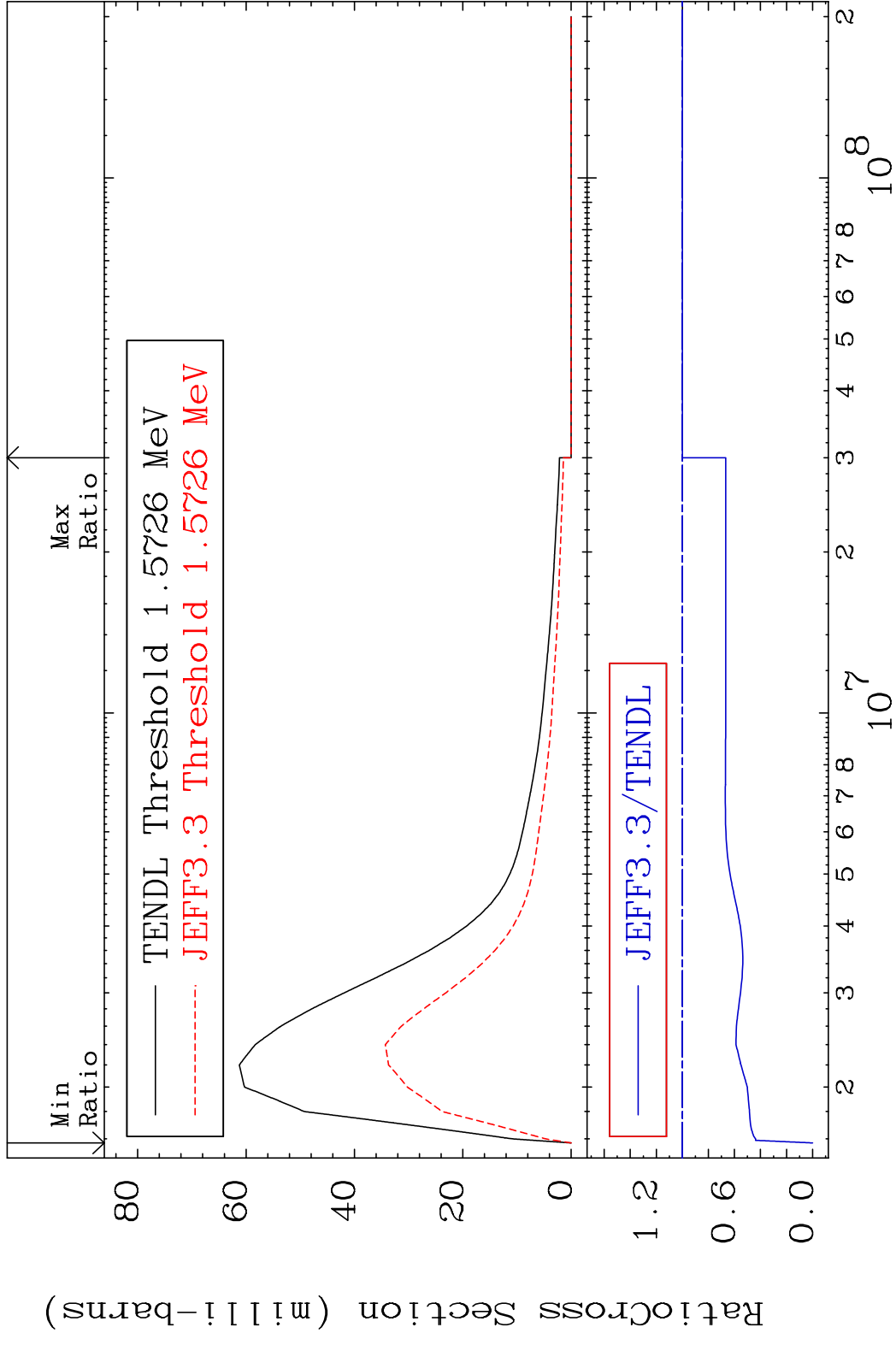
MAT 5137 MT= 57 (n,n') Level 51-Sb-125  
 Cross Section -100.0 To 1.008 %



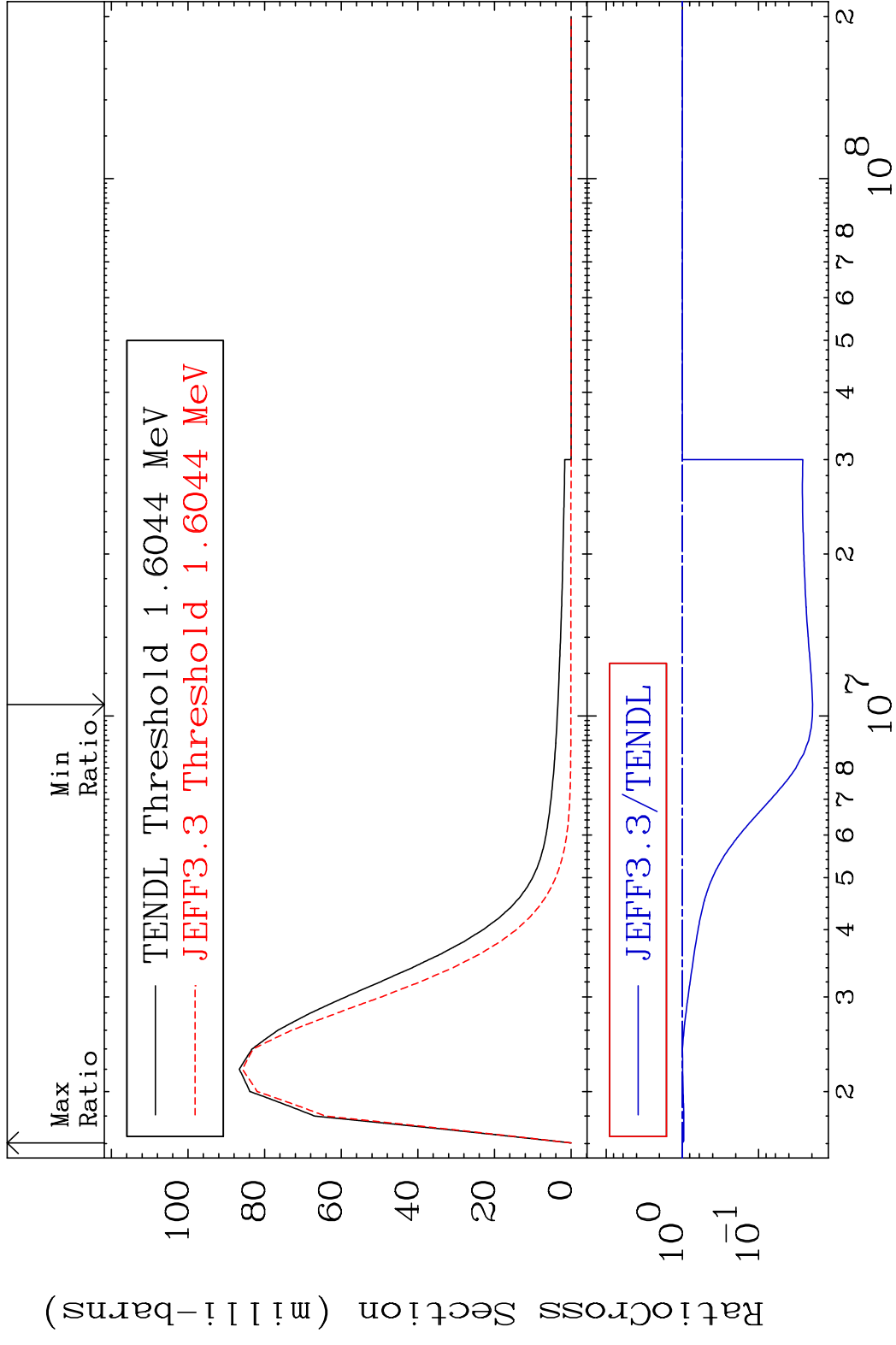
MAT 5137 MT= 58 (n, n') Level 51-Sb-125  
 Cross Section 0.000 To 94.50 %



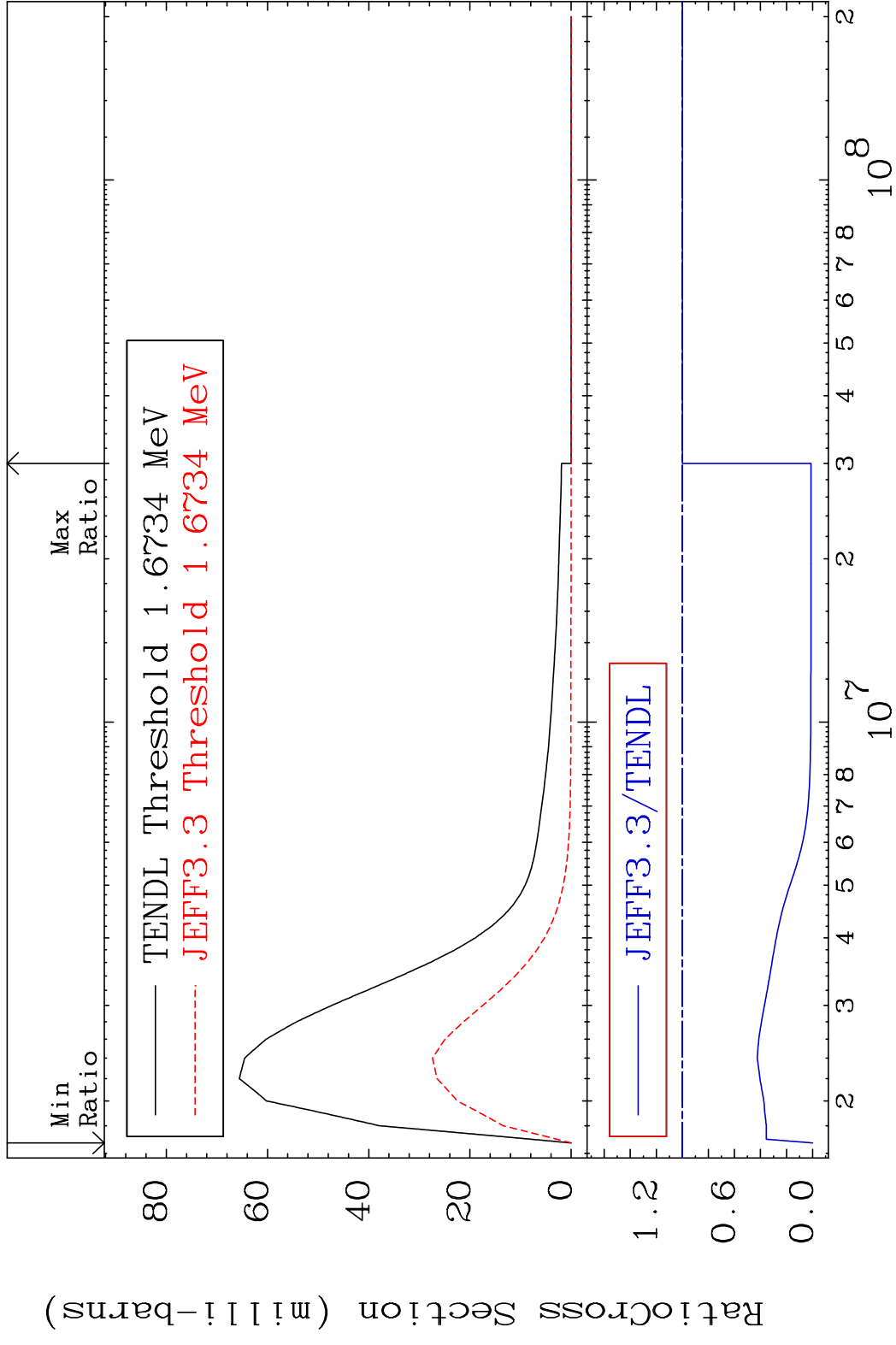
MAT 5137 MT= 59 (n, n') Level 51-Sb-125  
 Cross Section -100.0 To 0.000 %



MAT 5137 MT= 60 (n,n') Level 51-Sb-125  
 Cross Section -98.04 To 0.000 %

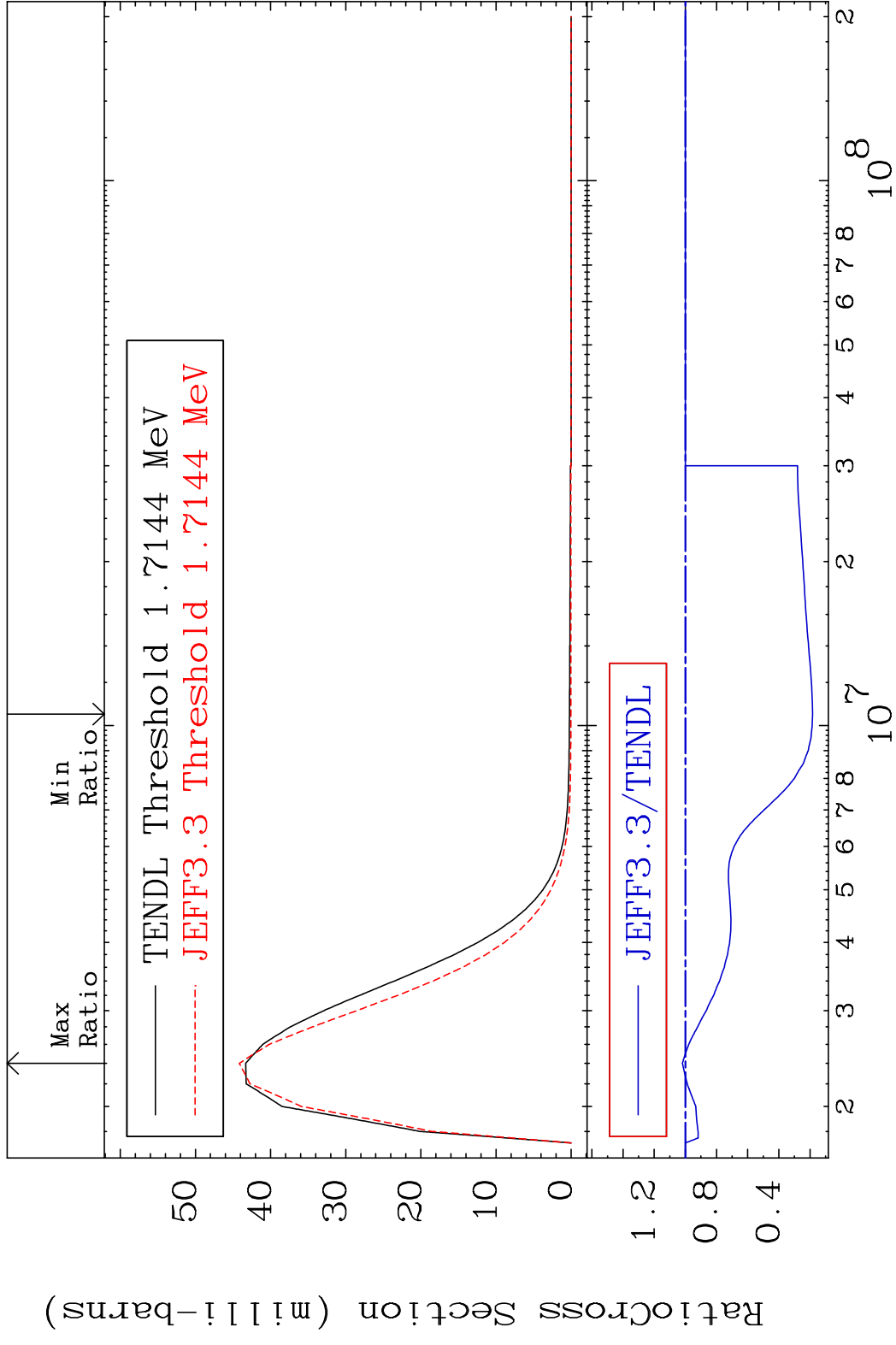


MAT 5137 MT= 61 (n, n') Level 51-Sb-125  
 Cross Section -100.0 To 0.000 %

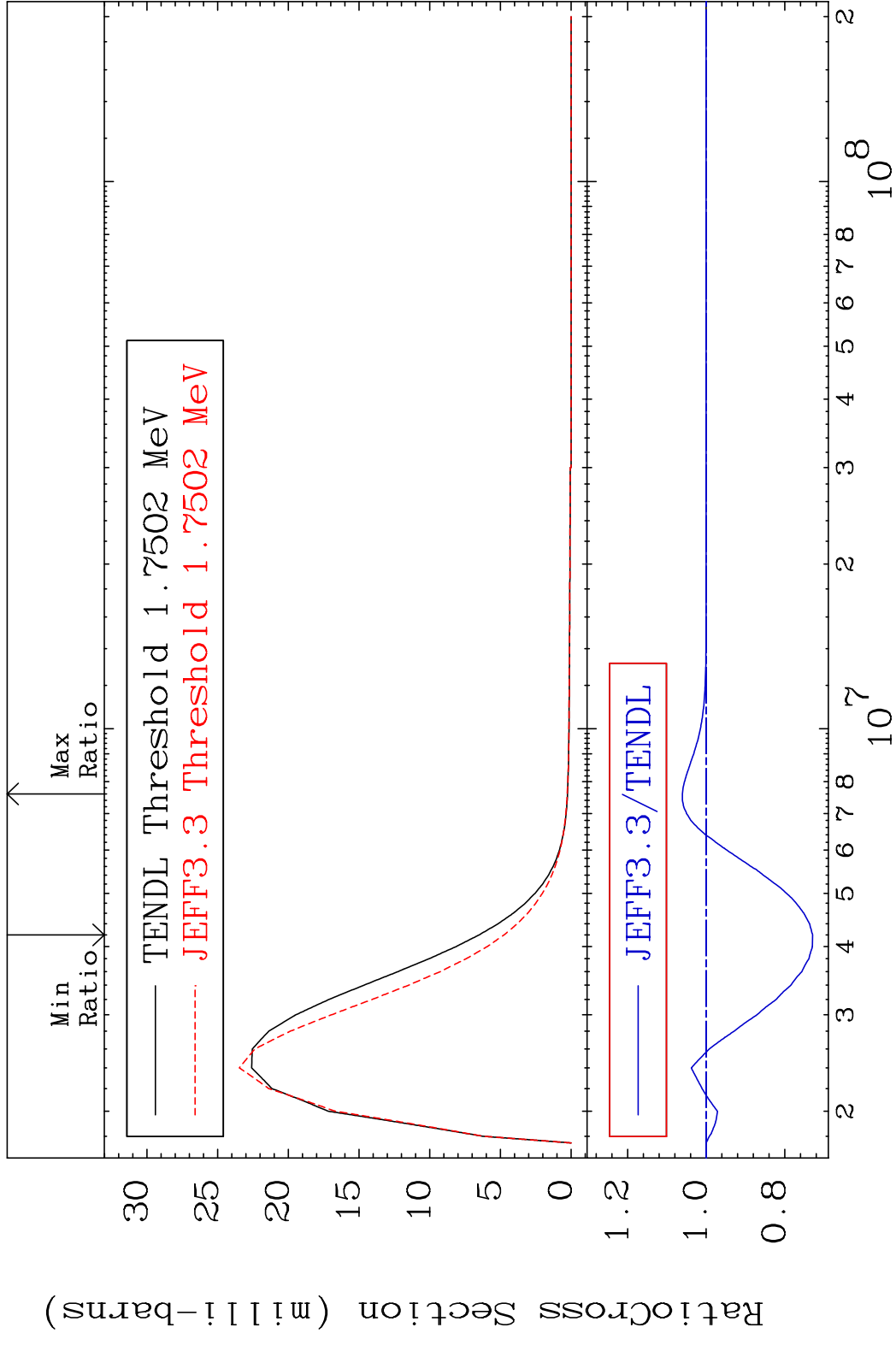


28 Incident Energy (eV) 51-Sb-125

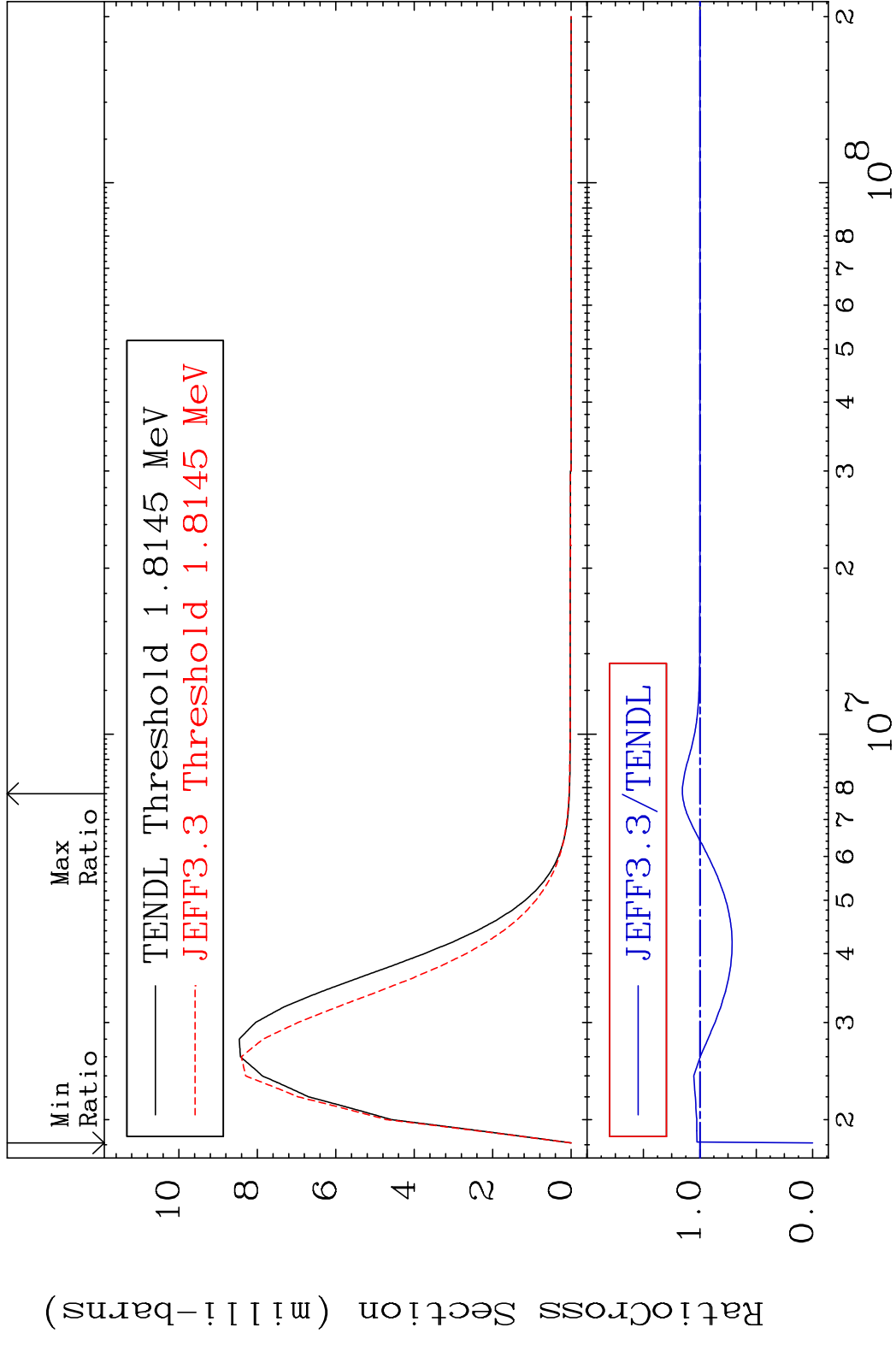
MAT 5137 MT= 62 (n, n') Level 51-Sb-125  
 Cross Section -81.63 To 1.943 %



MAT 5137 MT= 63 (n, n') Level 51-Sb-125  
 Cross Section -27.08 To 6.075 %

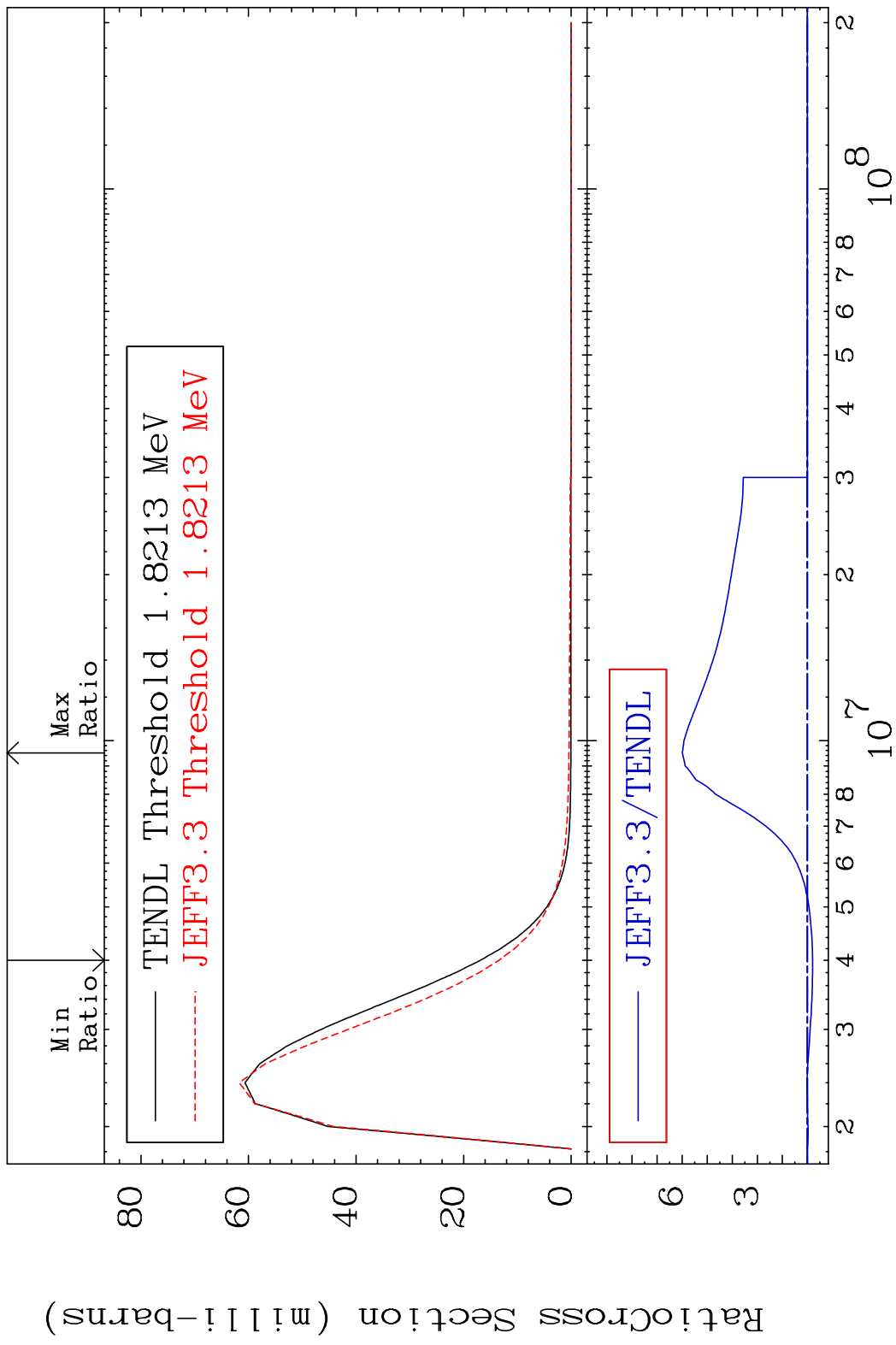


MAT 5137 MT= 64 (n, n') Level 51-Sb-125  
 Cross Section -100.0 To 15.52 %





MAT 5137 MT= 65 (n, n') Level 51-Sb-125  
 Cross Section -20.39 To 499.1 %

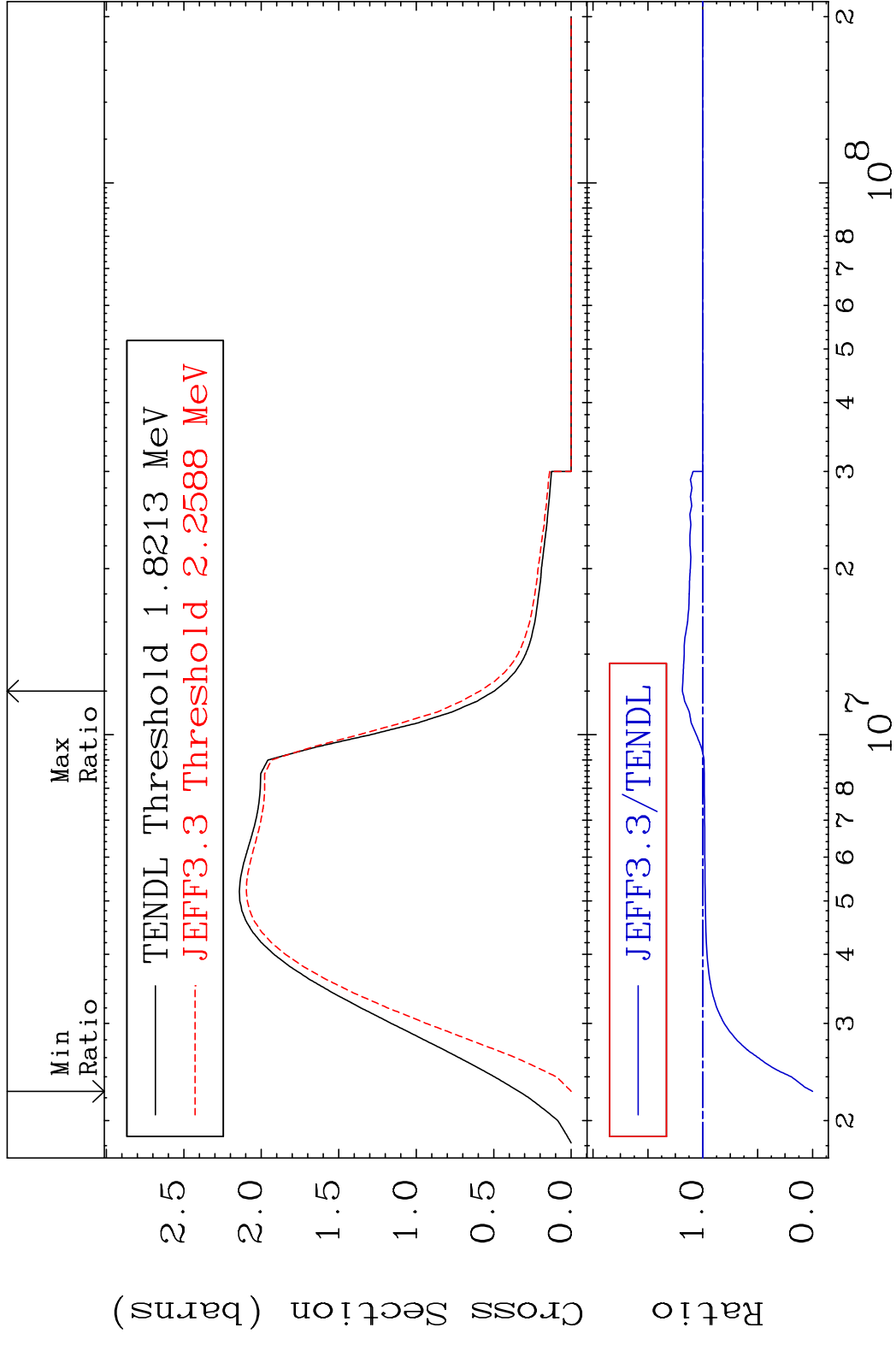


MAT 5137

(n, n') Continuum

51-Sb-125

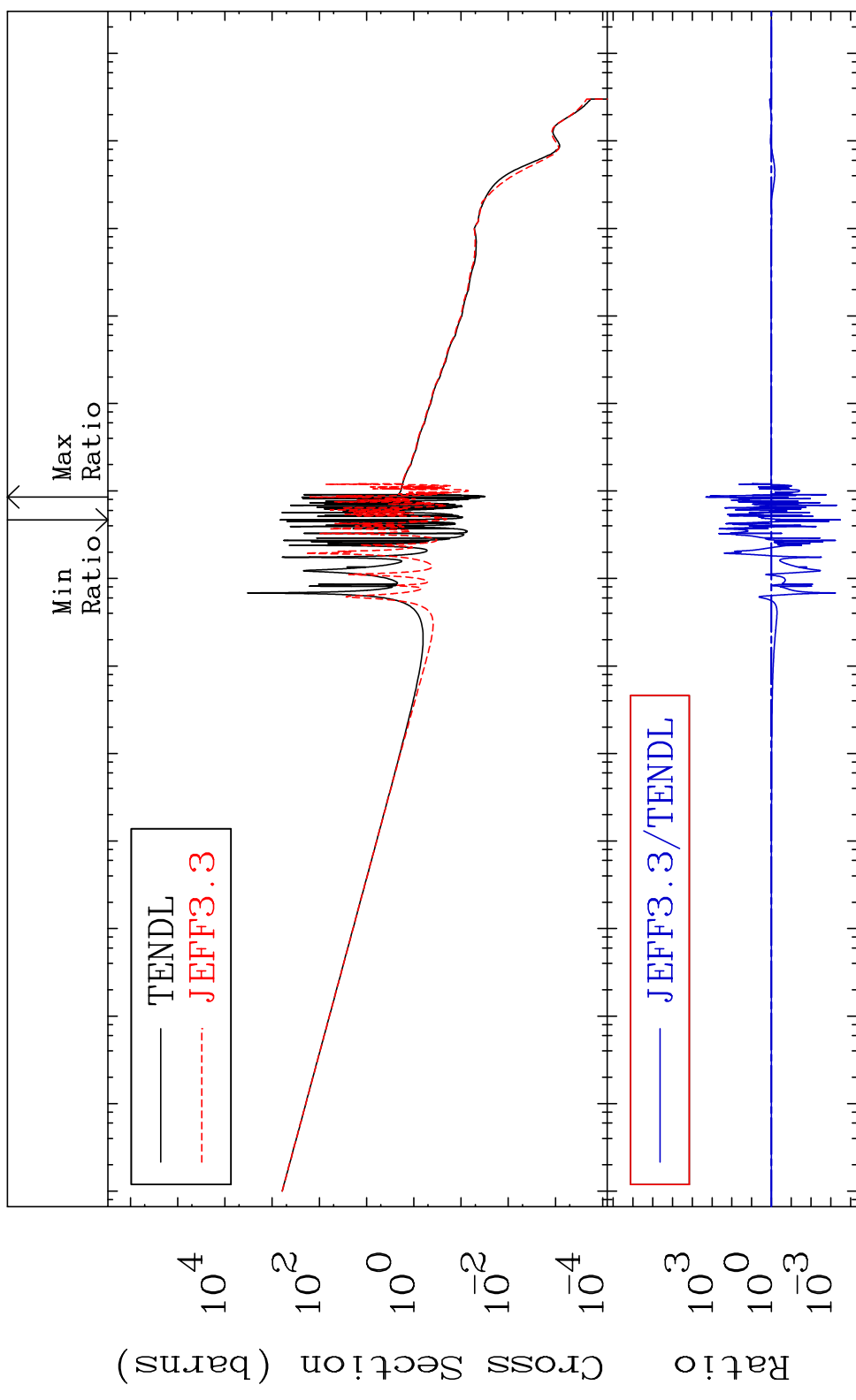
Cross Section -100.0 To 18.62 %



MAT 5137

(n,  $\gamma$ )  
Cross Section -99.97 To 9999. %

51-Sb-125

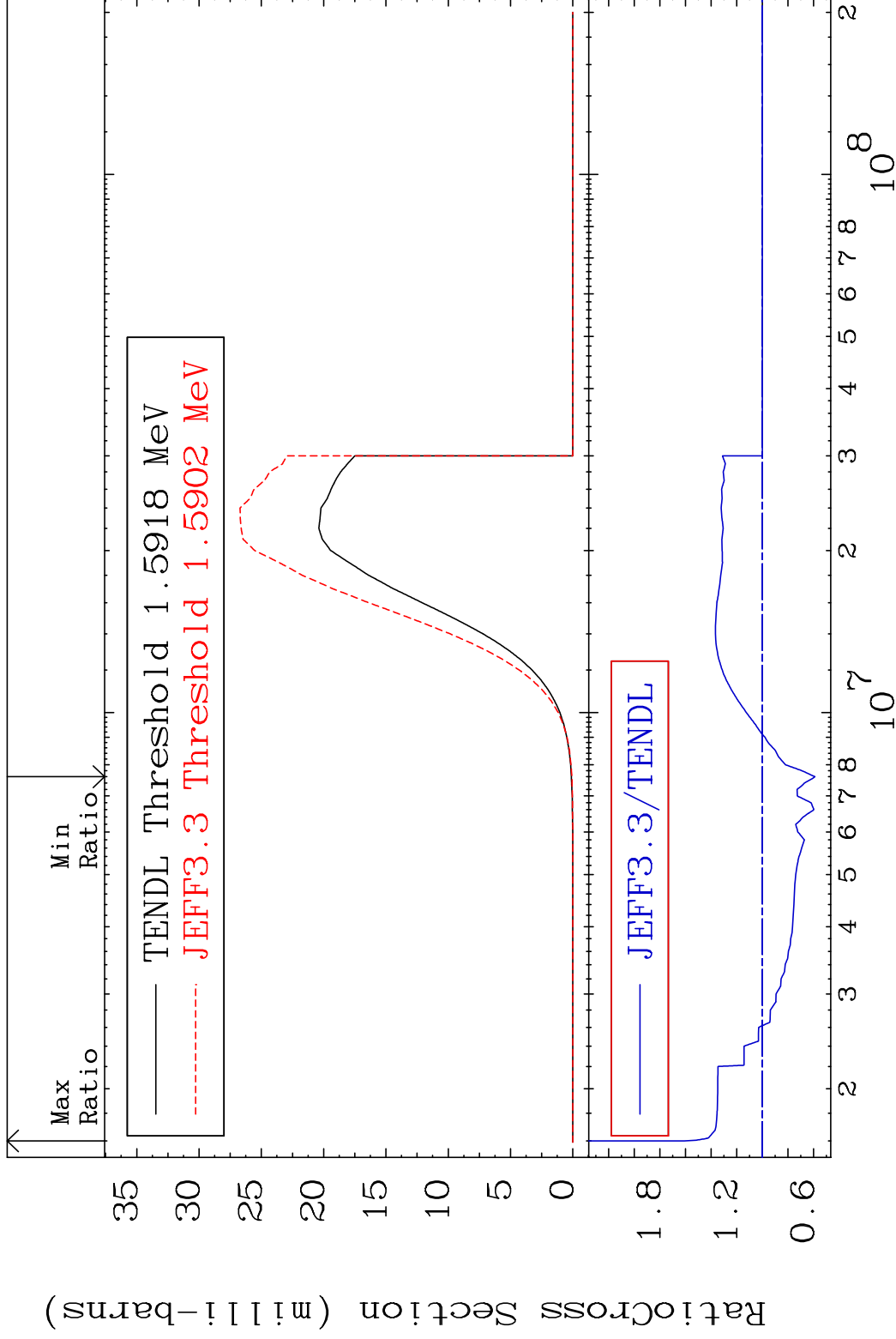


MAT 5137

(n,p)

51-Sb-125

Cross Section -41.03 To 60.96 %

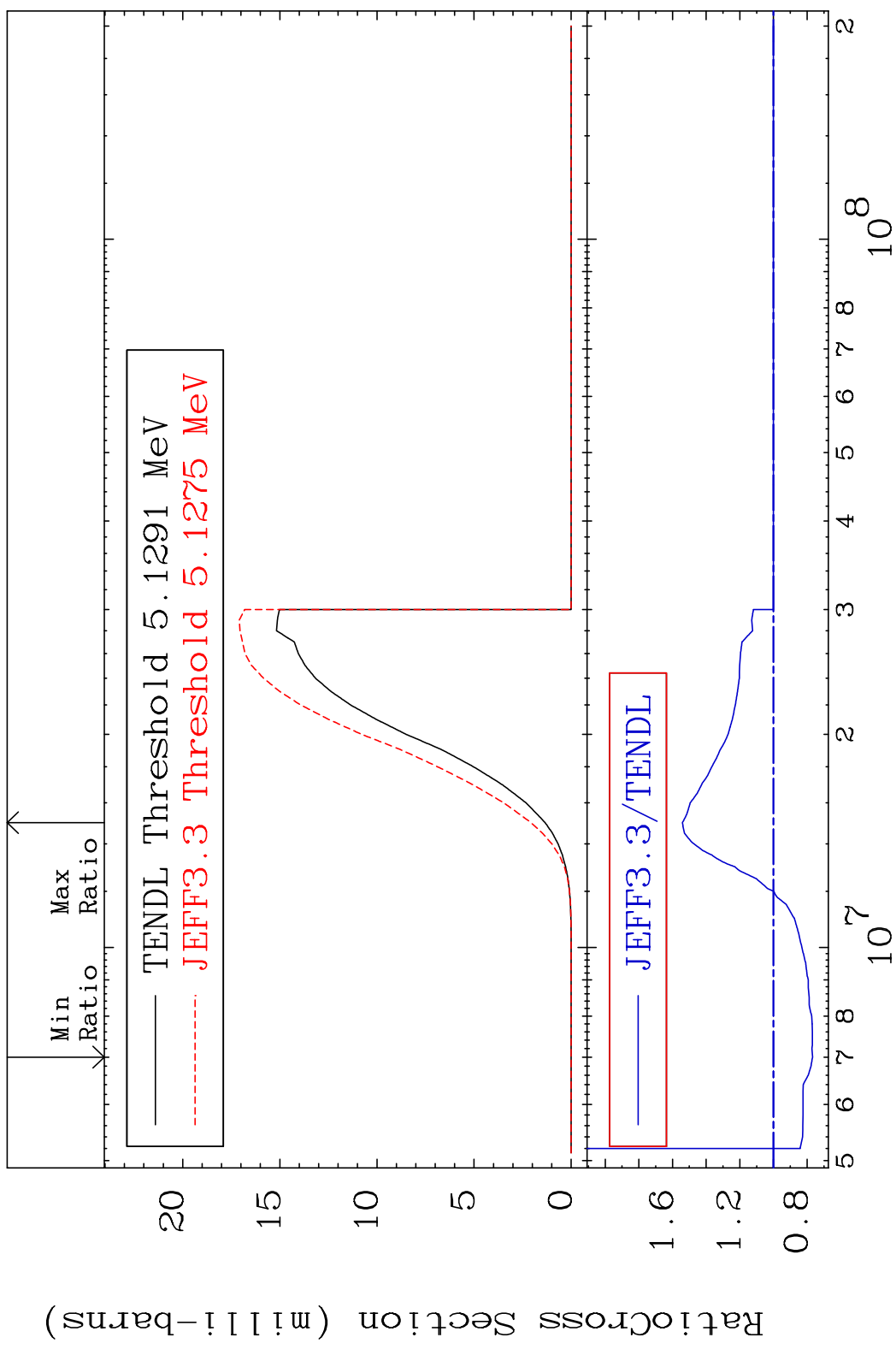


35

Incident Energy (eV)

51-Sb-125

Cross Section -23.25 To 54.15 %

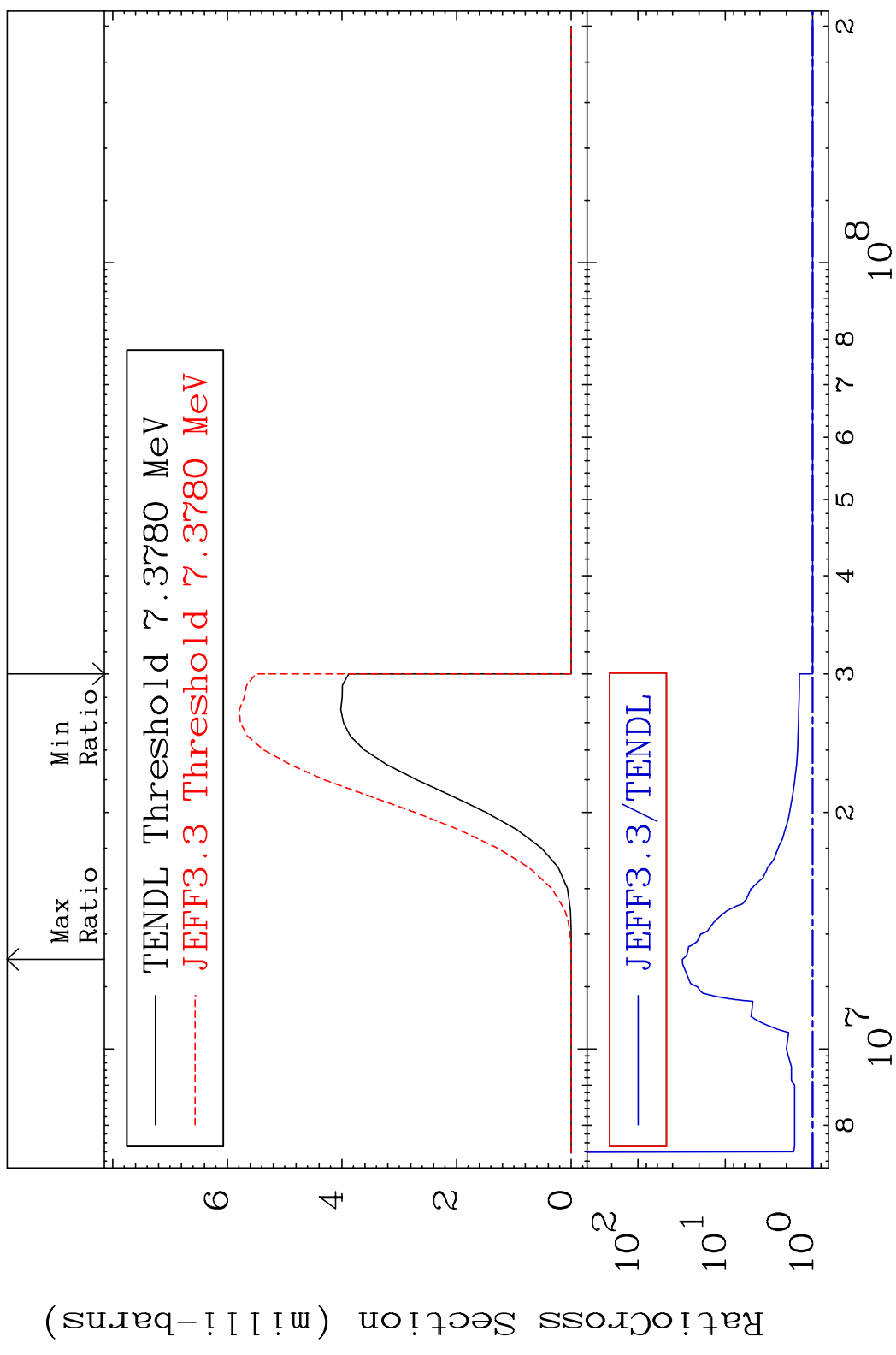


MAT 5137

(n, t)

51-Sb-125

Cross Section 0.000 To 3000. %

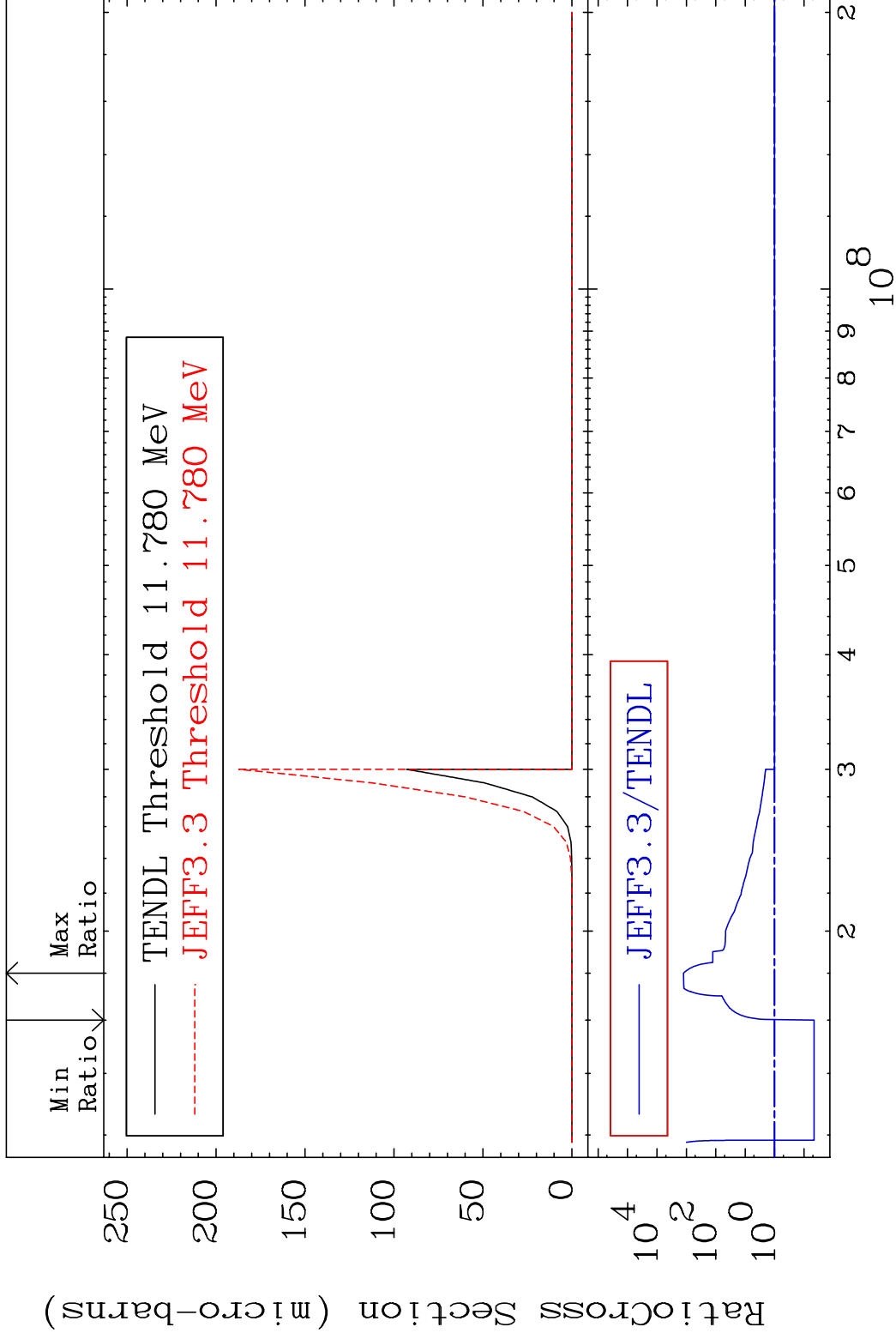


MAT 5137

(n, He-3)

51-Sb-125

Cross Section -95.44 To 9999. %



38

Incident Energy (eV)

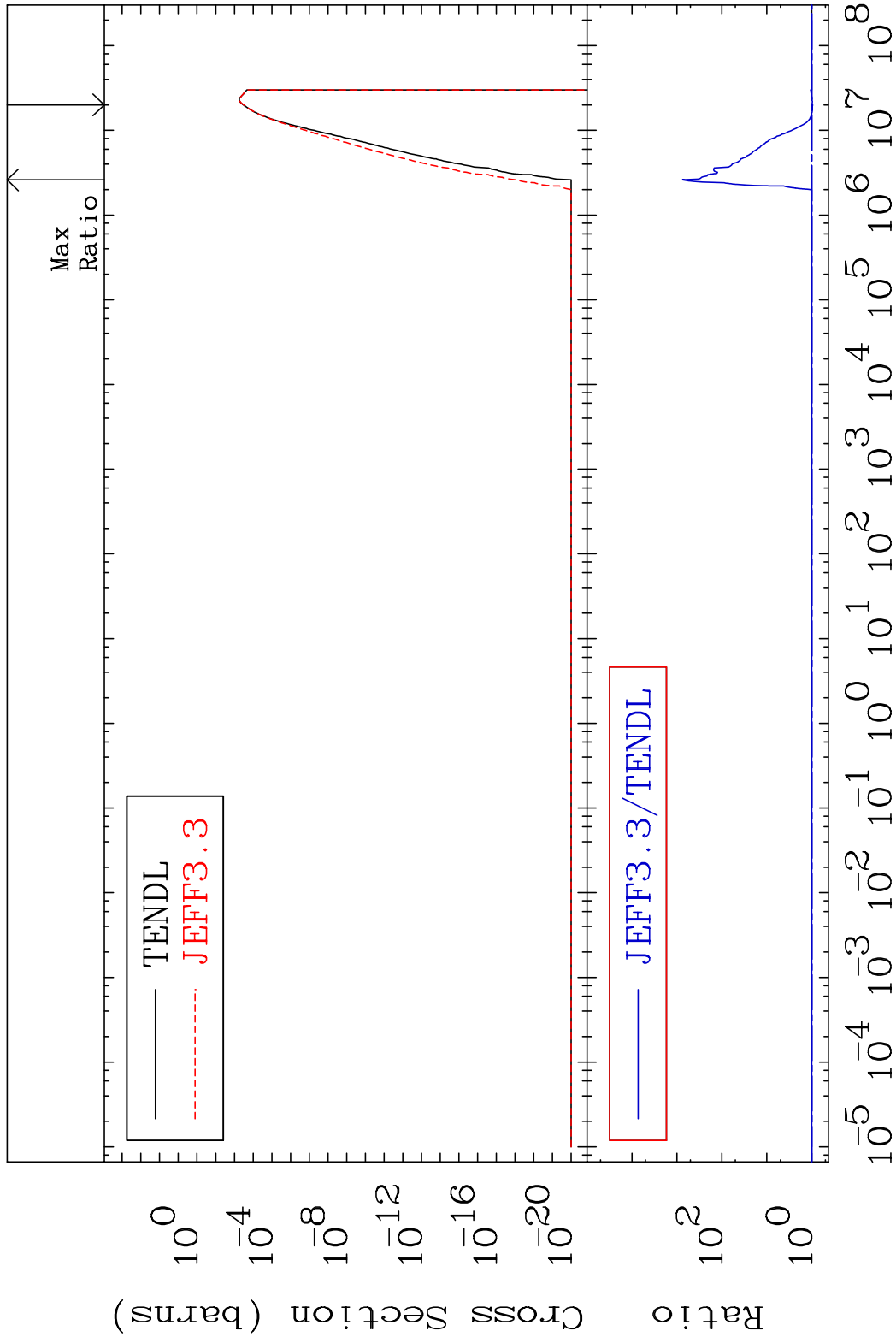
51-Sb-125

MAT 5137

(n,  $\alpha$ )

51-Sb-125

Cross Section -3.833 To 9999. %



39

Incident Energy (eV)

51-Sb-125

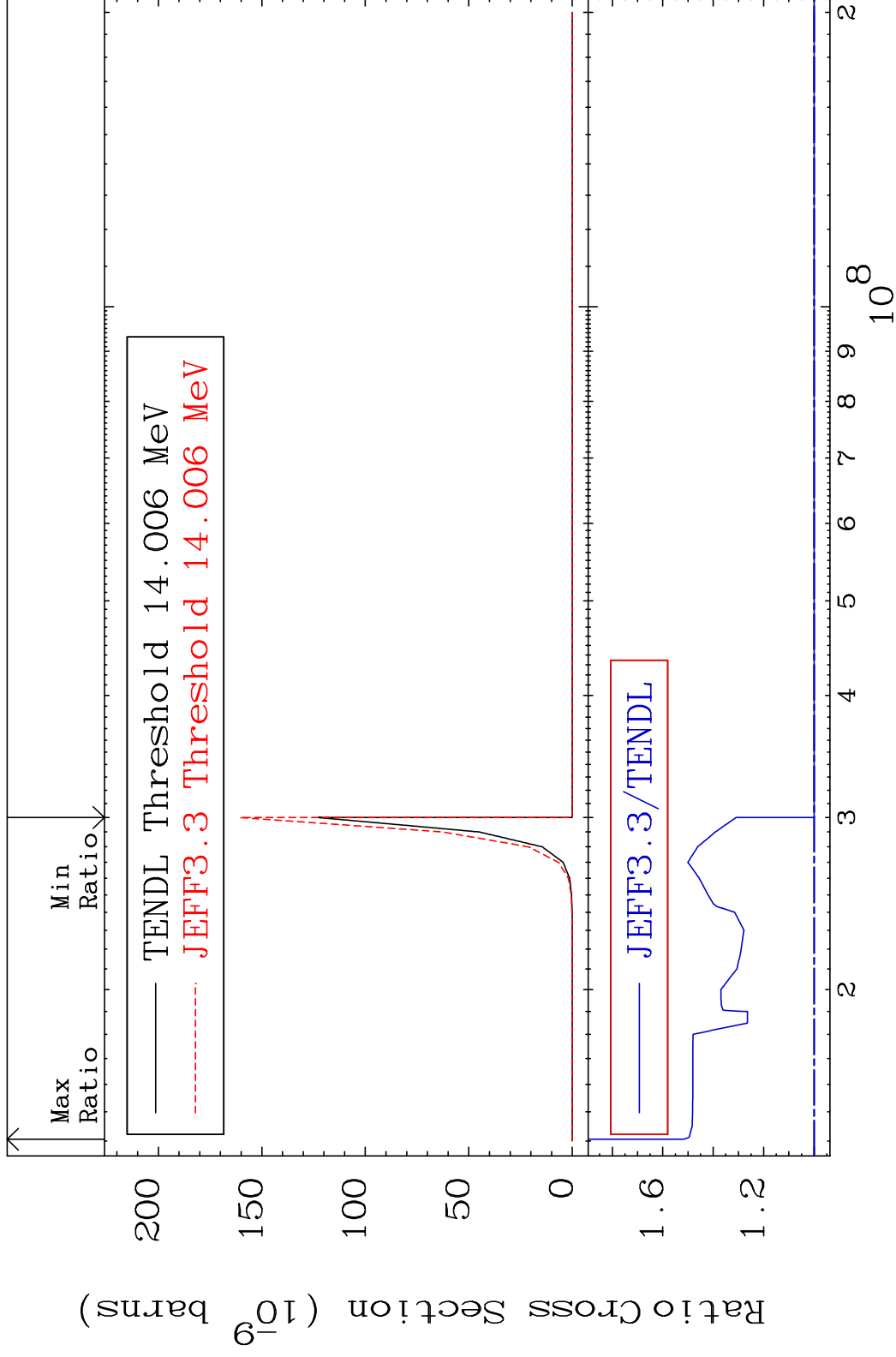


MAT 5137

(n,2p)

51-Sb-125

Cross Section 0.000 To 51.71 %



40

Incident Energy (eV)

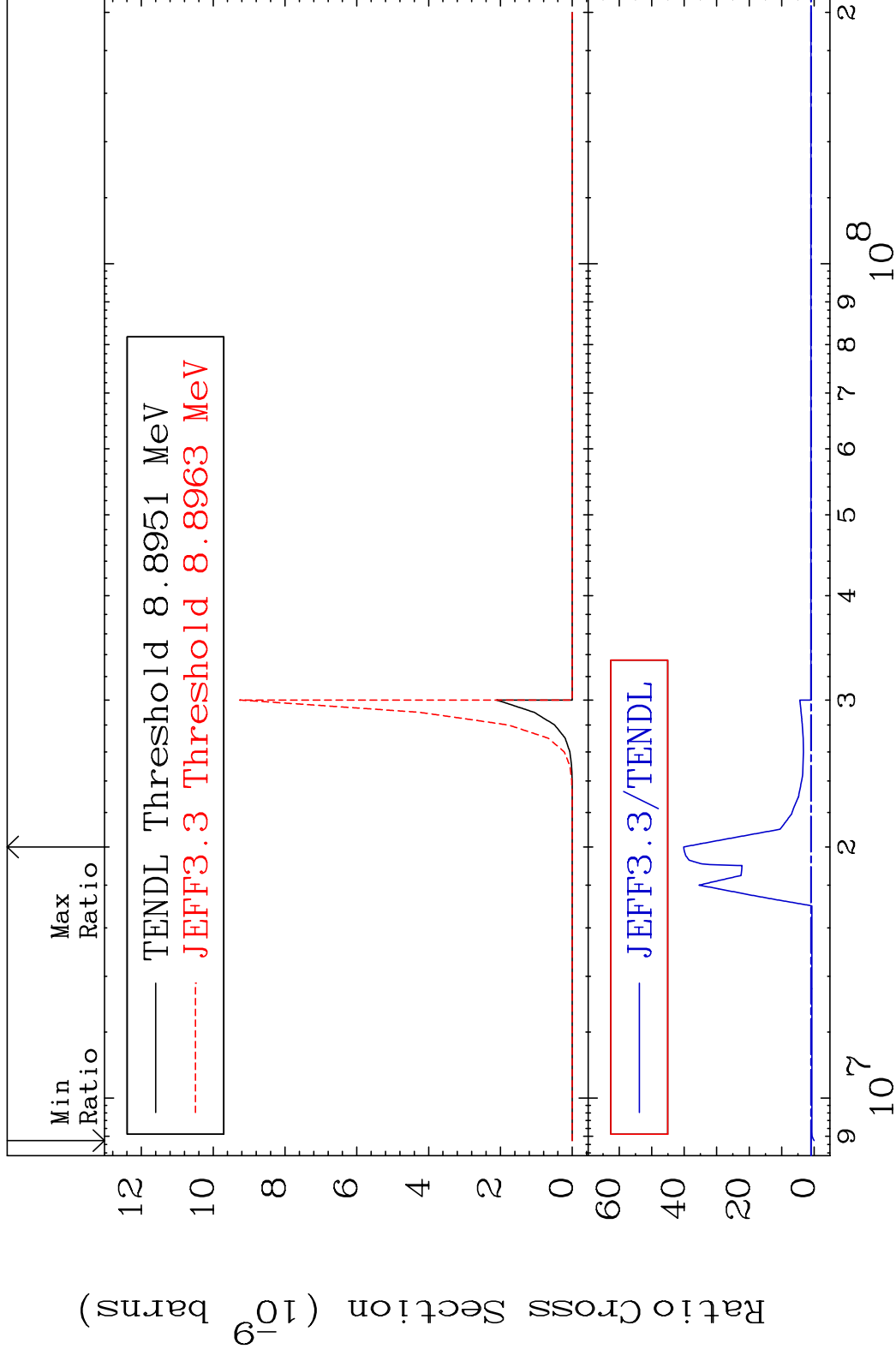
51-Sb-125

MAT 5137

(n,p)  $\alpha$

51-Sb-125

Cross Section -100.0 To 3917. %



41

Incident Energy (eV)

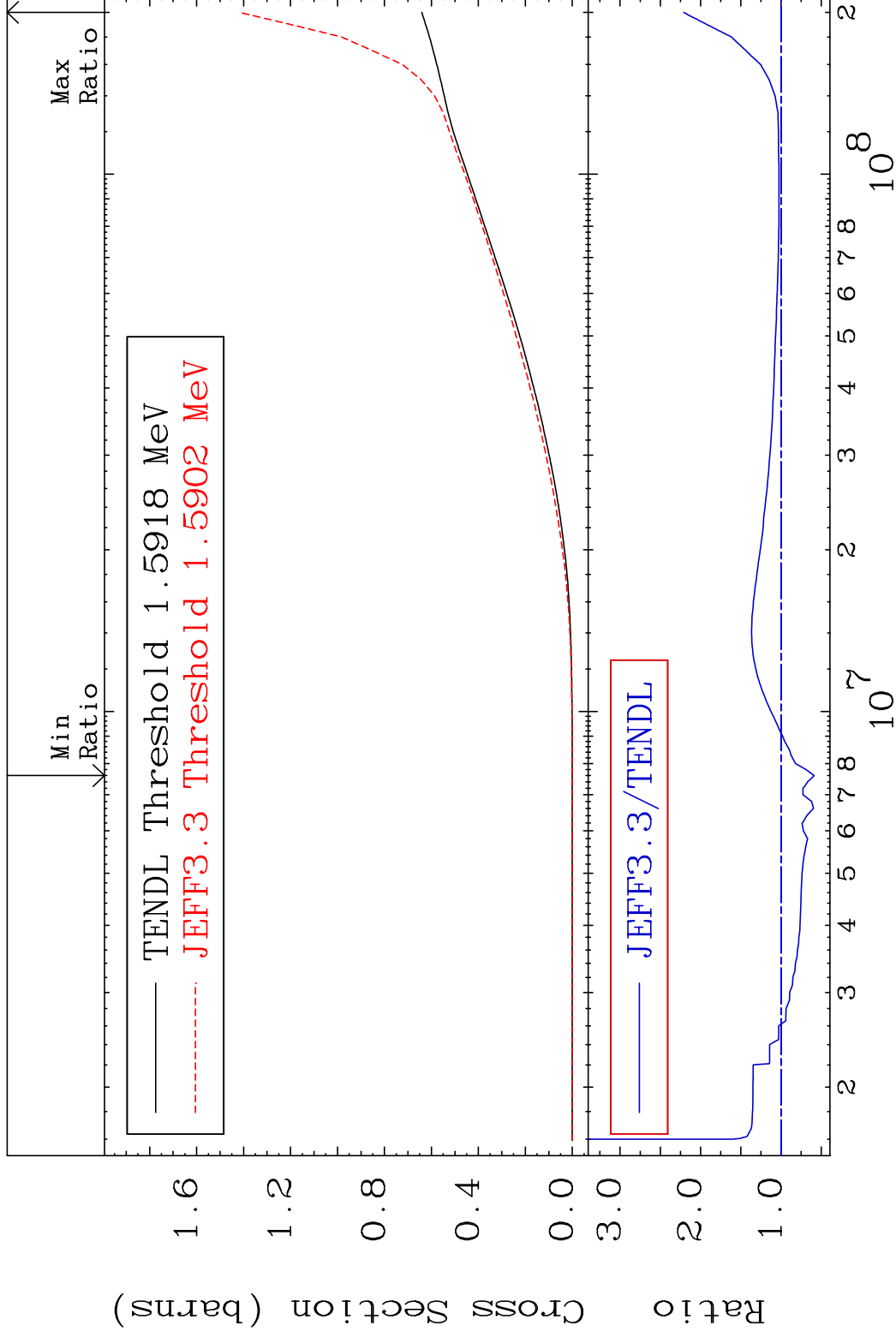
51-Sb-125

MAT 5137

Hydrogen Production

51-Sb-125

Cross Section -41.03 To 121.0 %



42

Incident Energy (eV)

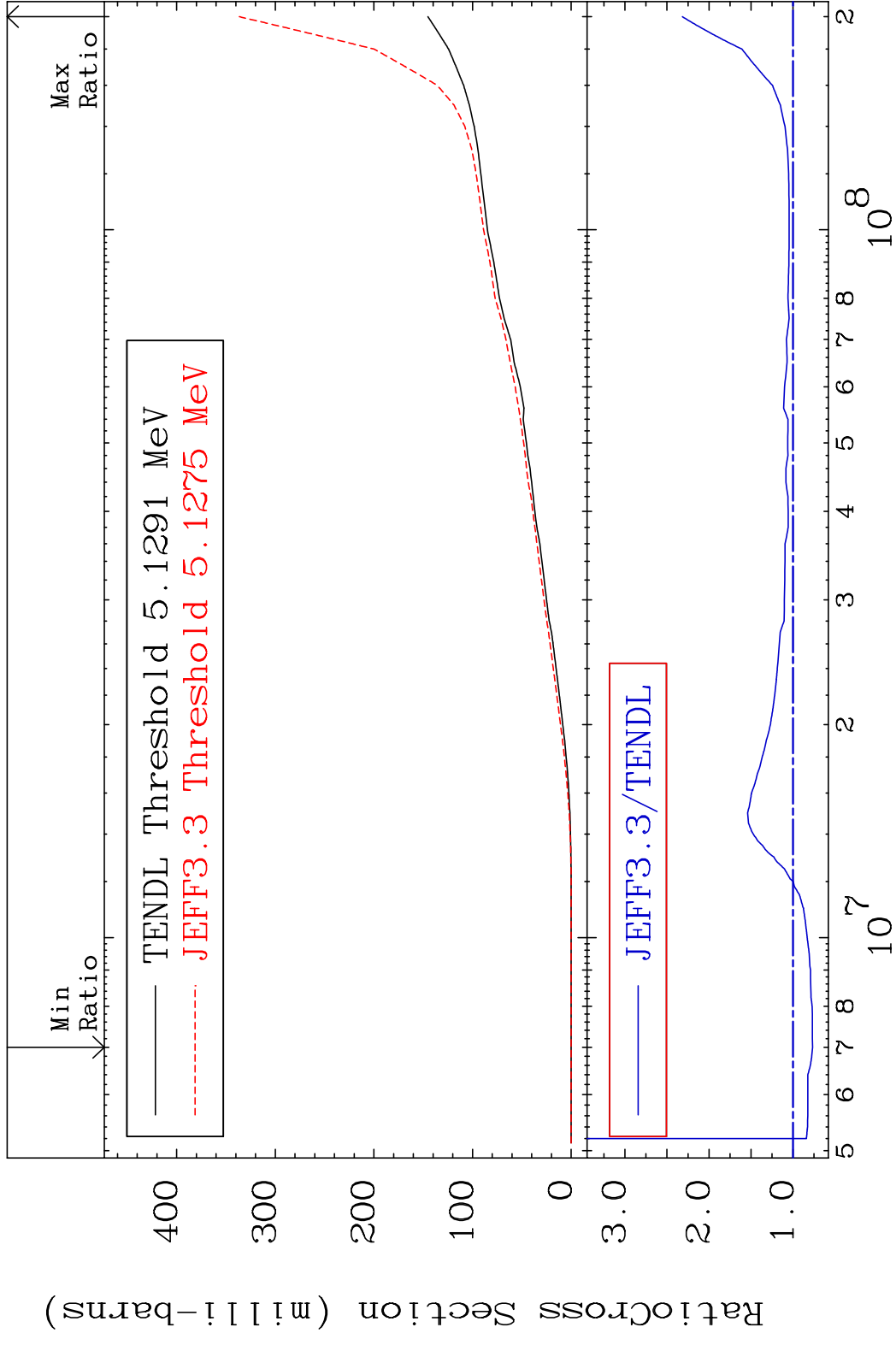
51-Sb-125

MAT 5137

Deuterium Production

51-Sb-125

Cross Section -23.25 To 131.7 %

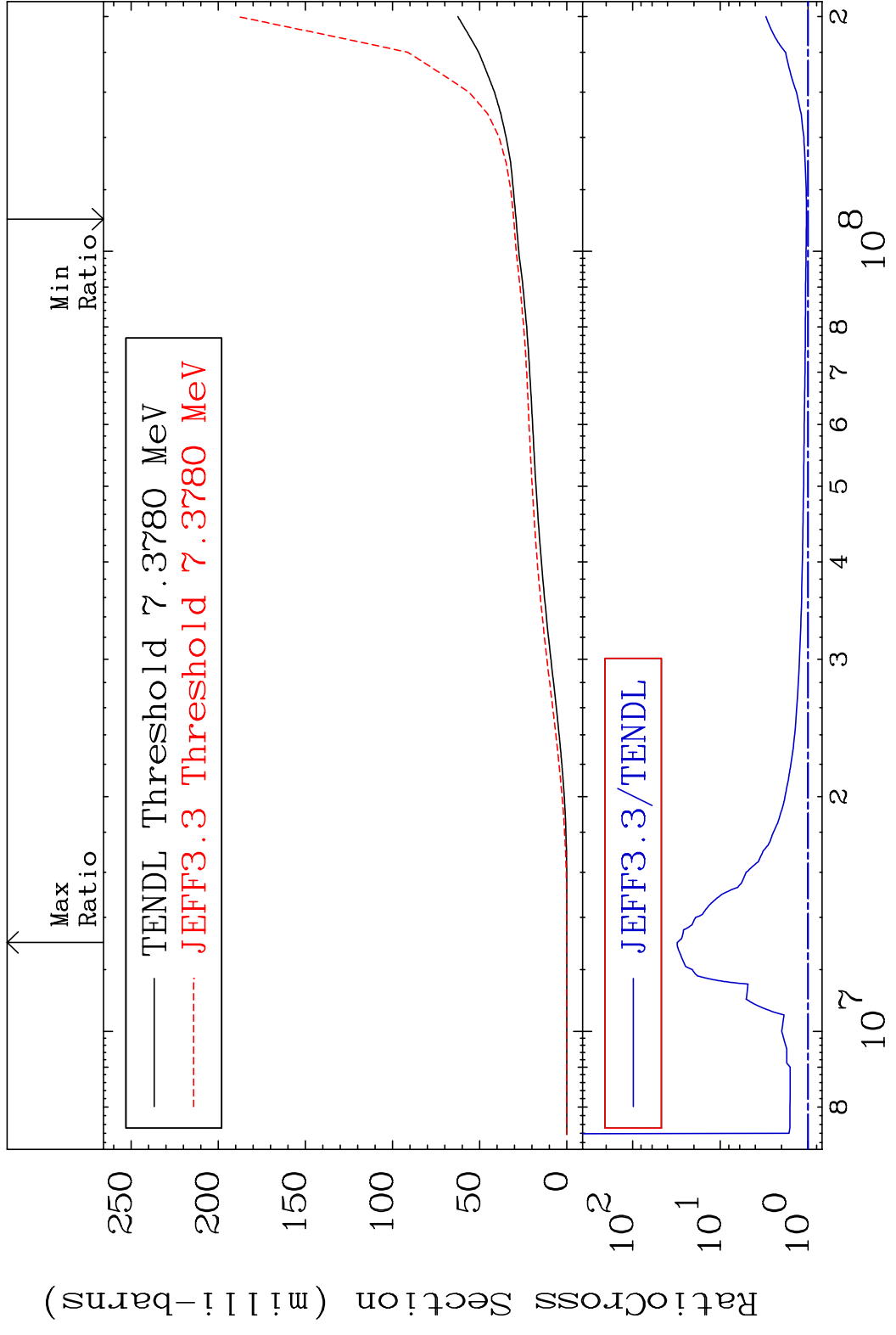


43

Incident Energy (eV)

51-Sb-125

MAT 5137 Tritium Production 51-Sb-125  
 Cross Section 4.421 To 3000. %

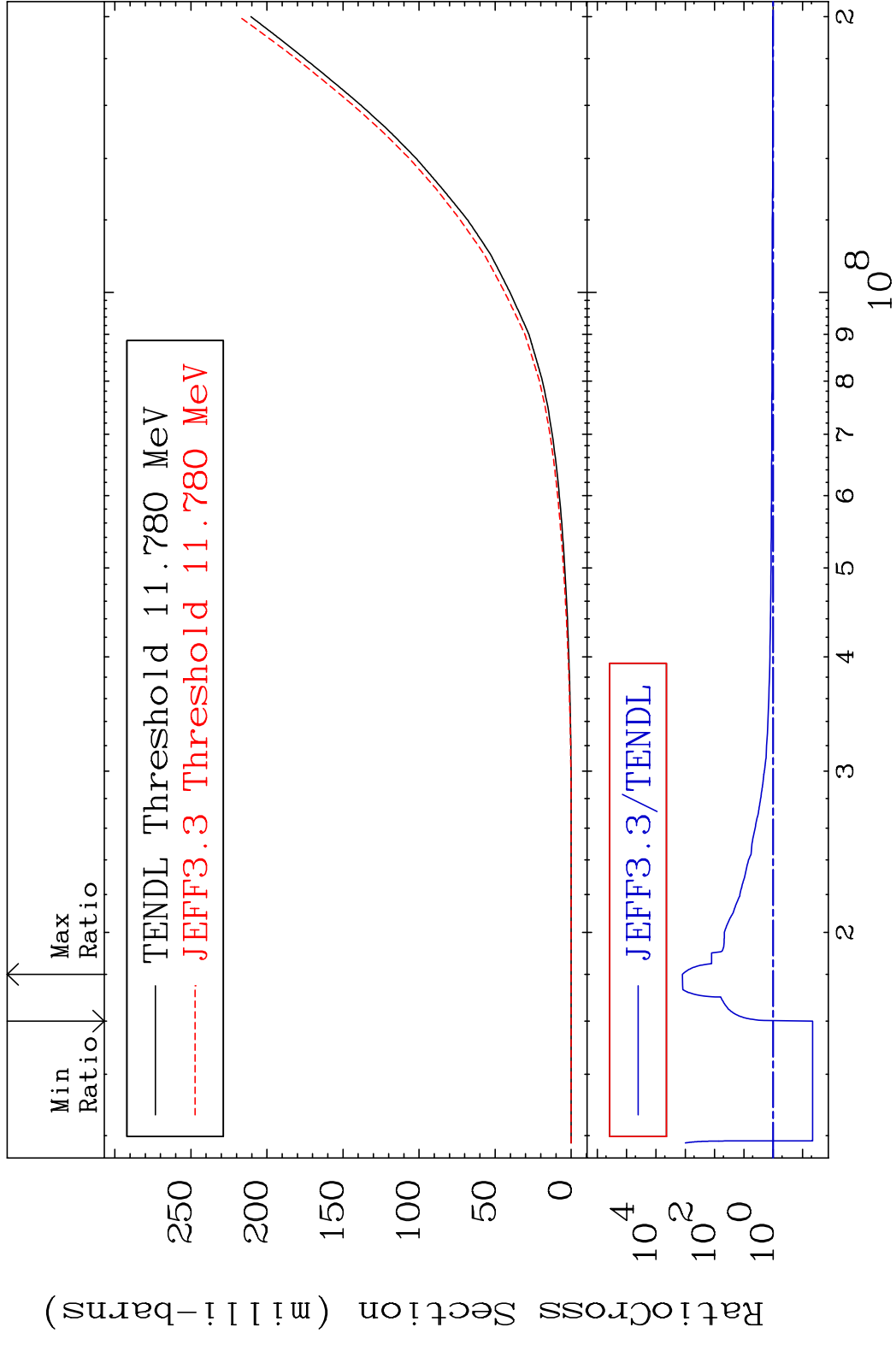


MAT 5137

He-3 Production

51-Sb-125

Cross Section -95.44 To 9999. %

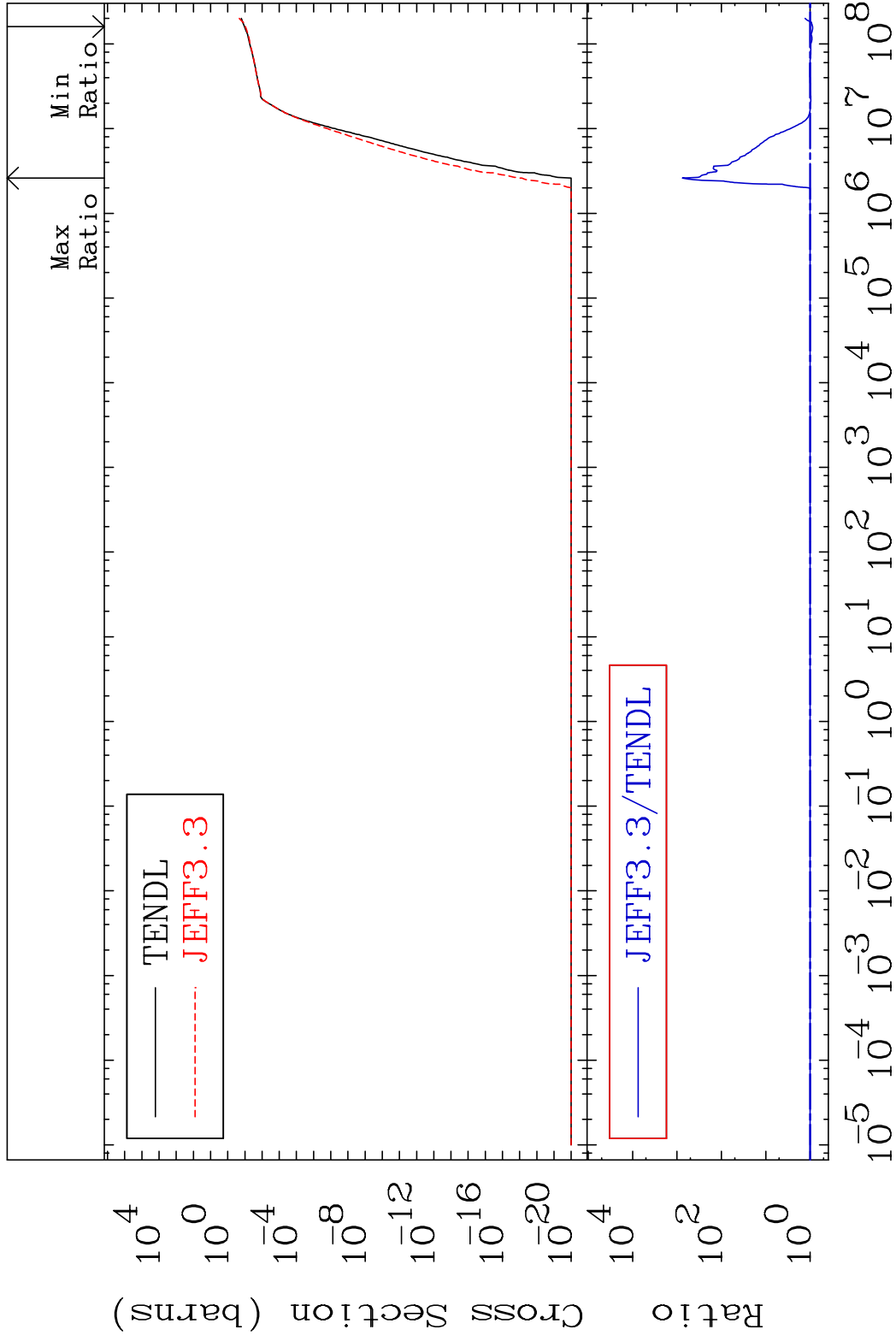


MAT 5137

He-4 Production

51-Sb-125

Cross Section -11.76 To 9999. %



46

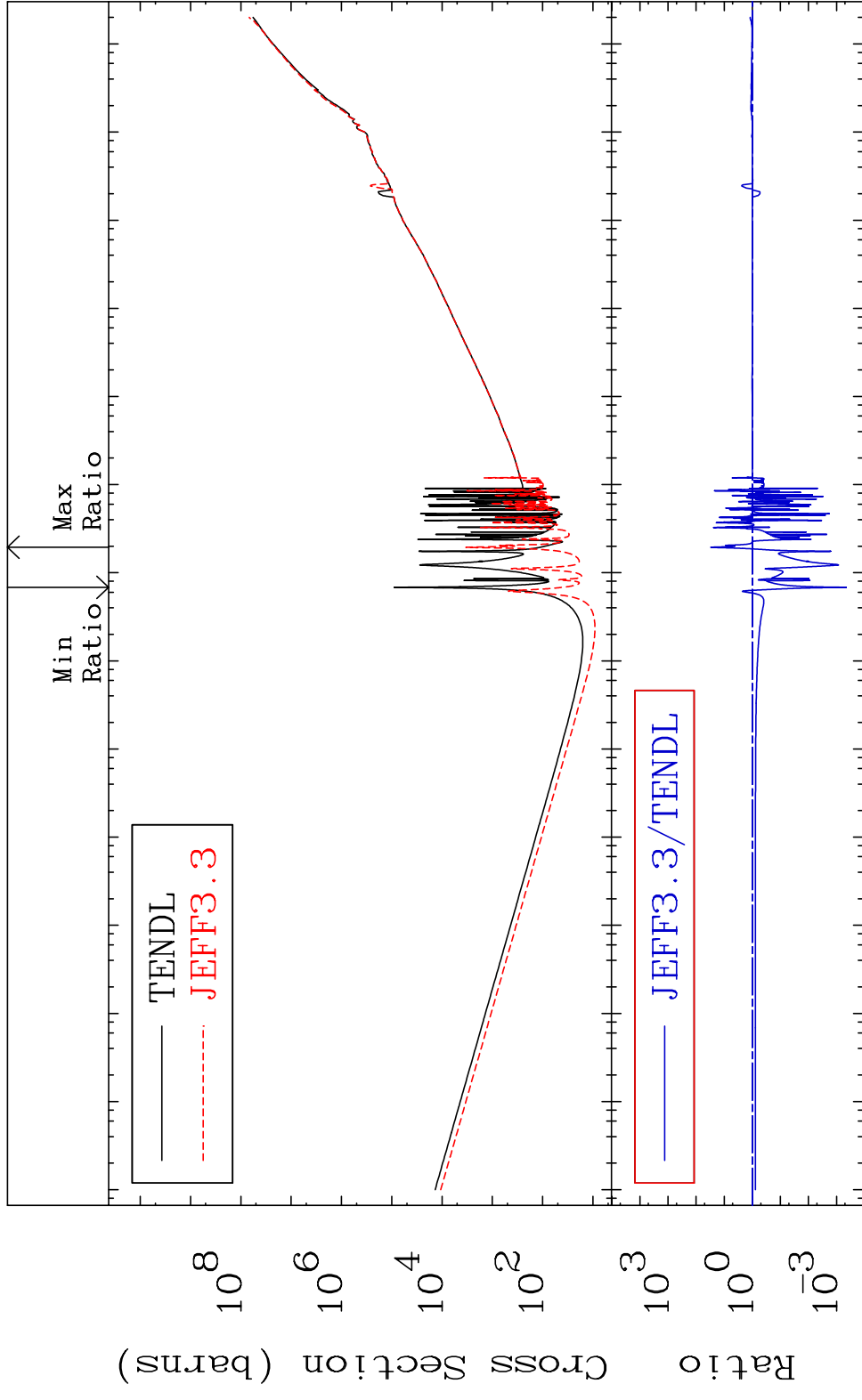
Incident Energy (eV)

51-Sb-125

MAT 5137

Kerma total (eV-barns) 51-Sb-125

Cross Section -99.96 To 2921. %



47

Incident Energy (eV)

51-Sb-125



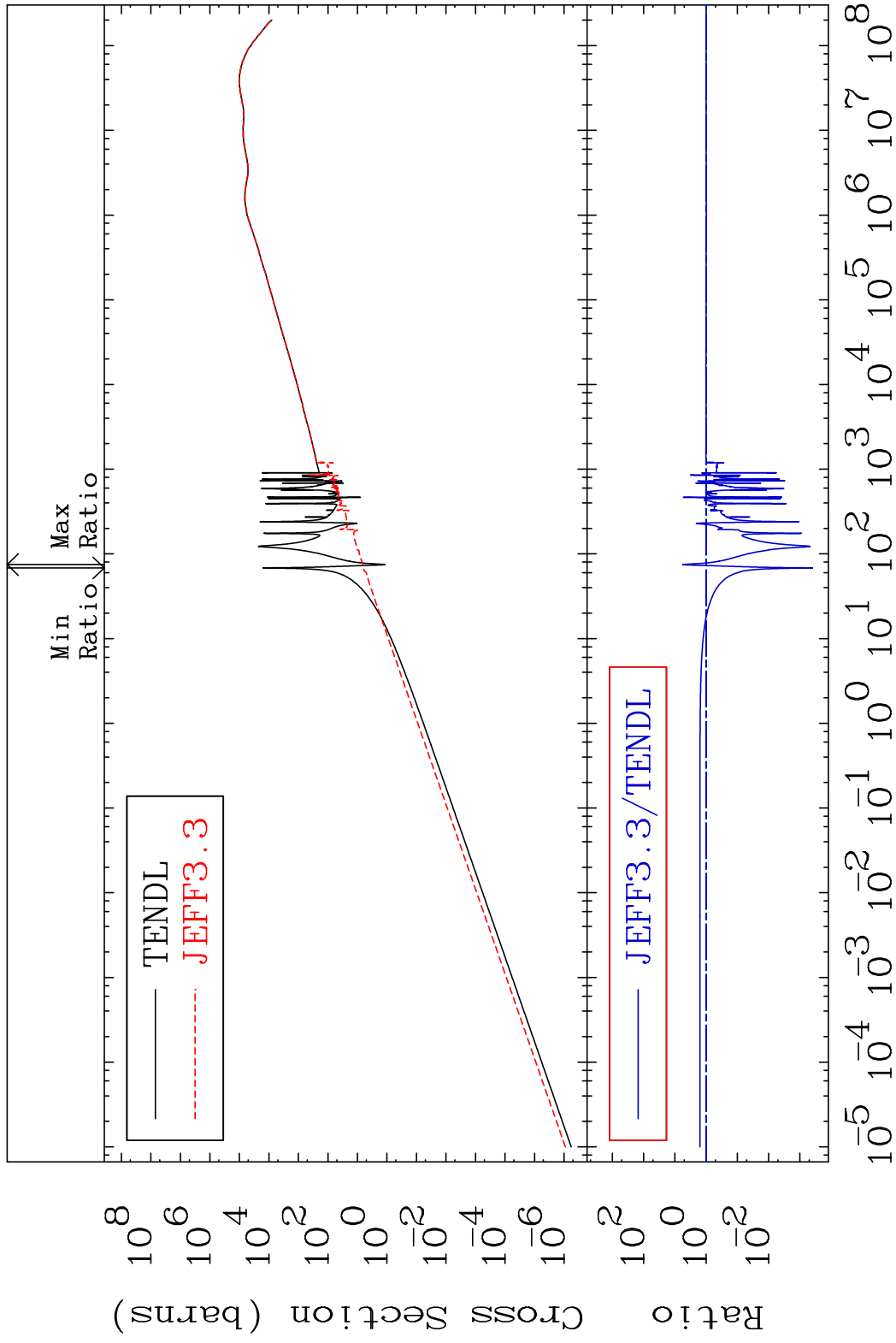
MAT 5137

Kerma elastic

51-Sb-125

Cross Section

-99.96 To 473.3 %

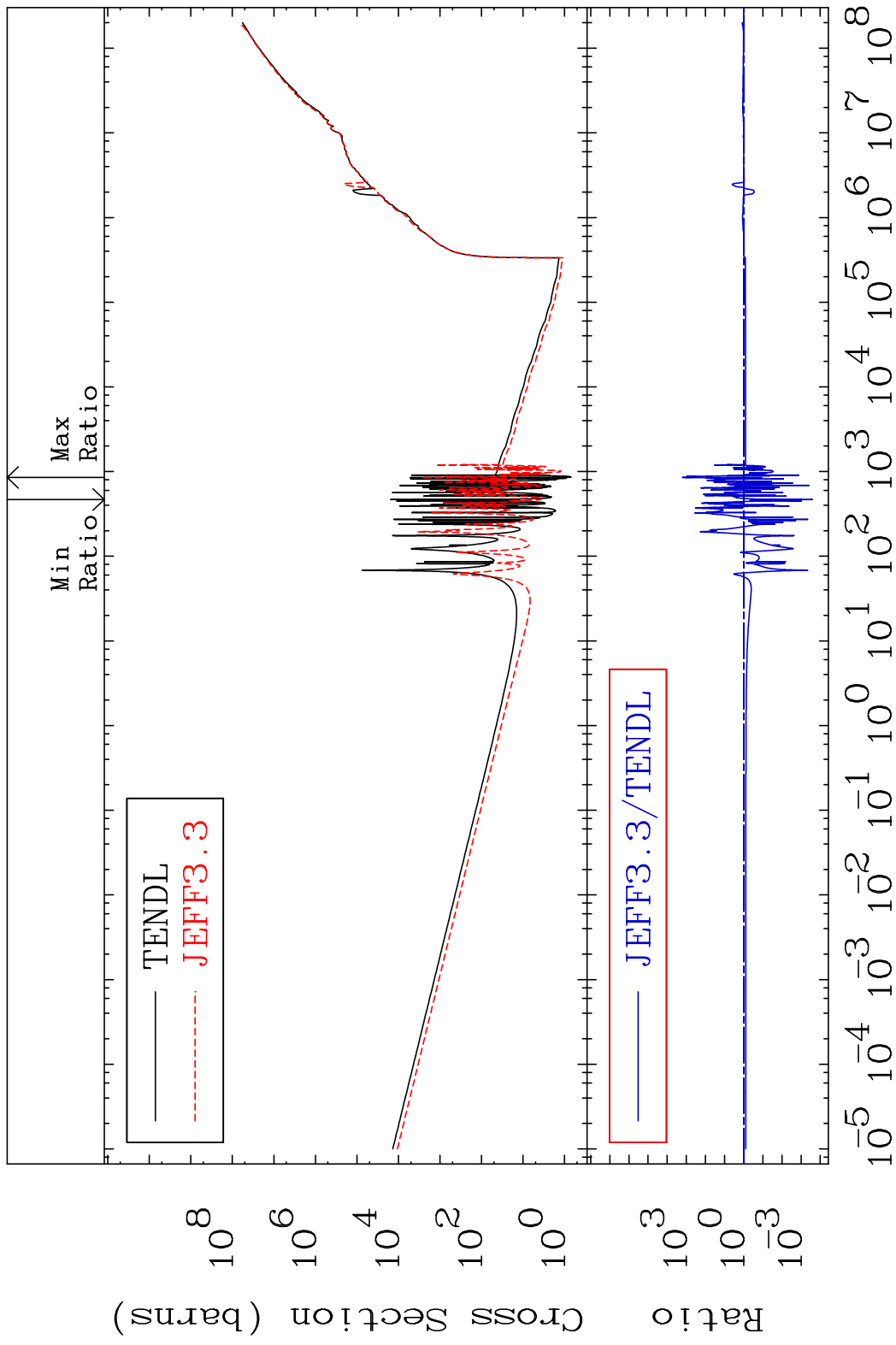


48

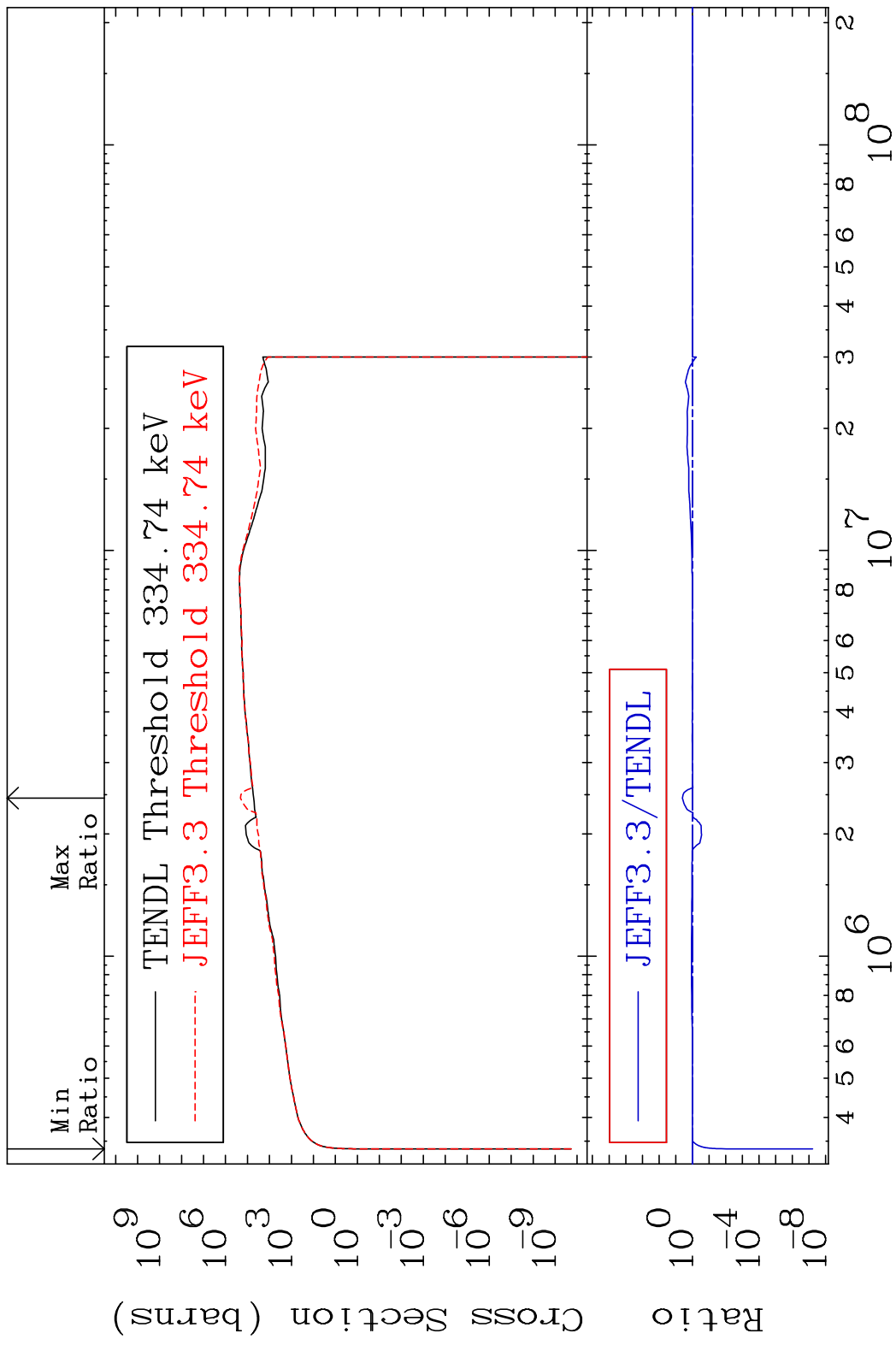
Incident Energy (eV)

51-Sb-125

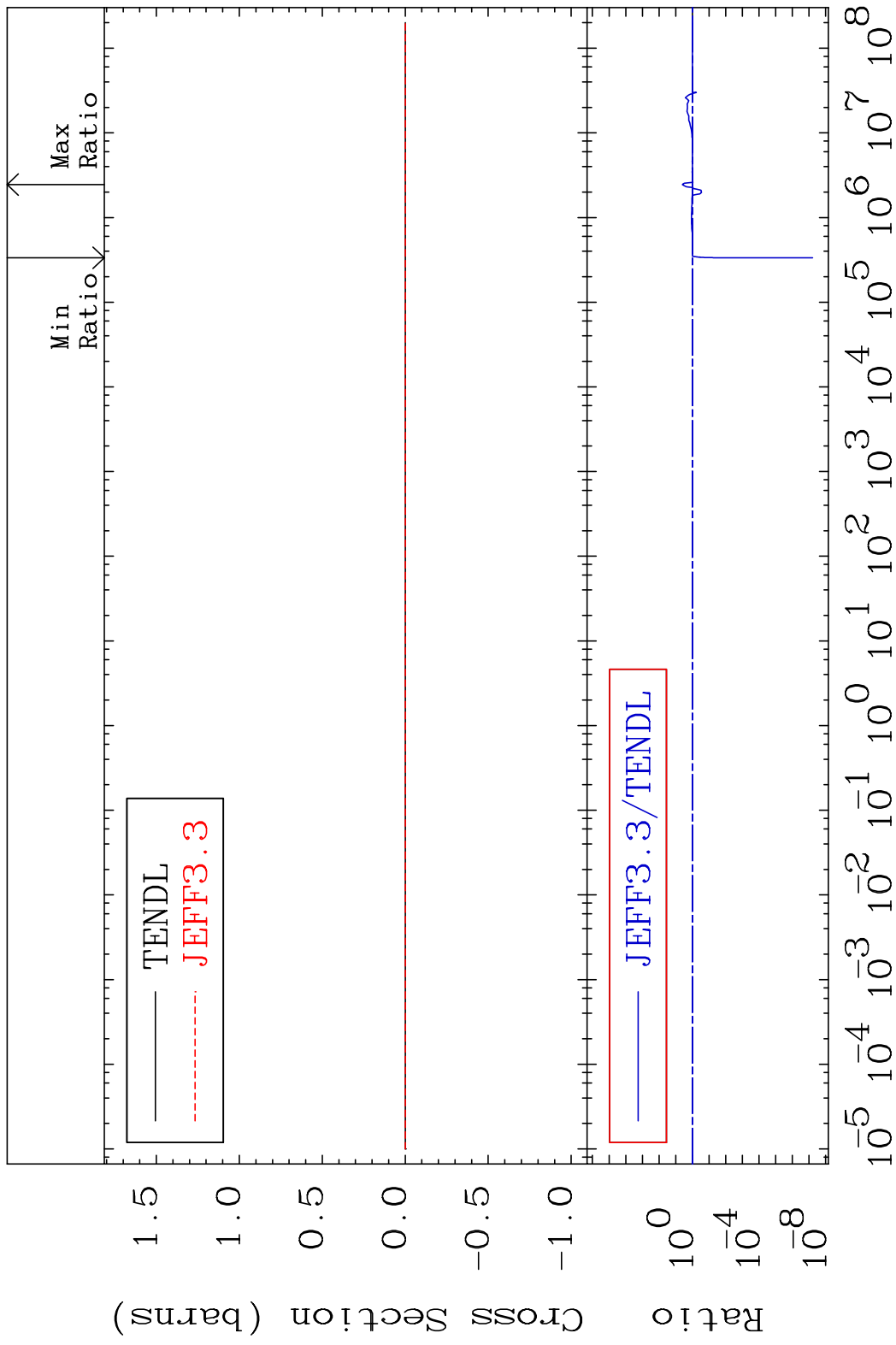
MAT 5137 Kerma non-elastic (all but mt2) 51-Sb-125  
 Cross Section -99.97 To 9999. %



MAT 5137 Kerma inelastic (mt51-91) 51-Sb-125  
 Cross Section -100.0 To 299.4 %

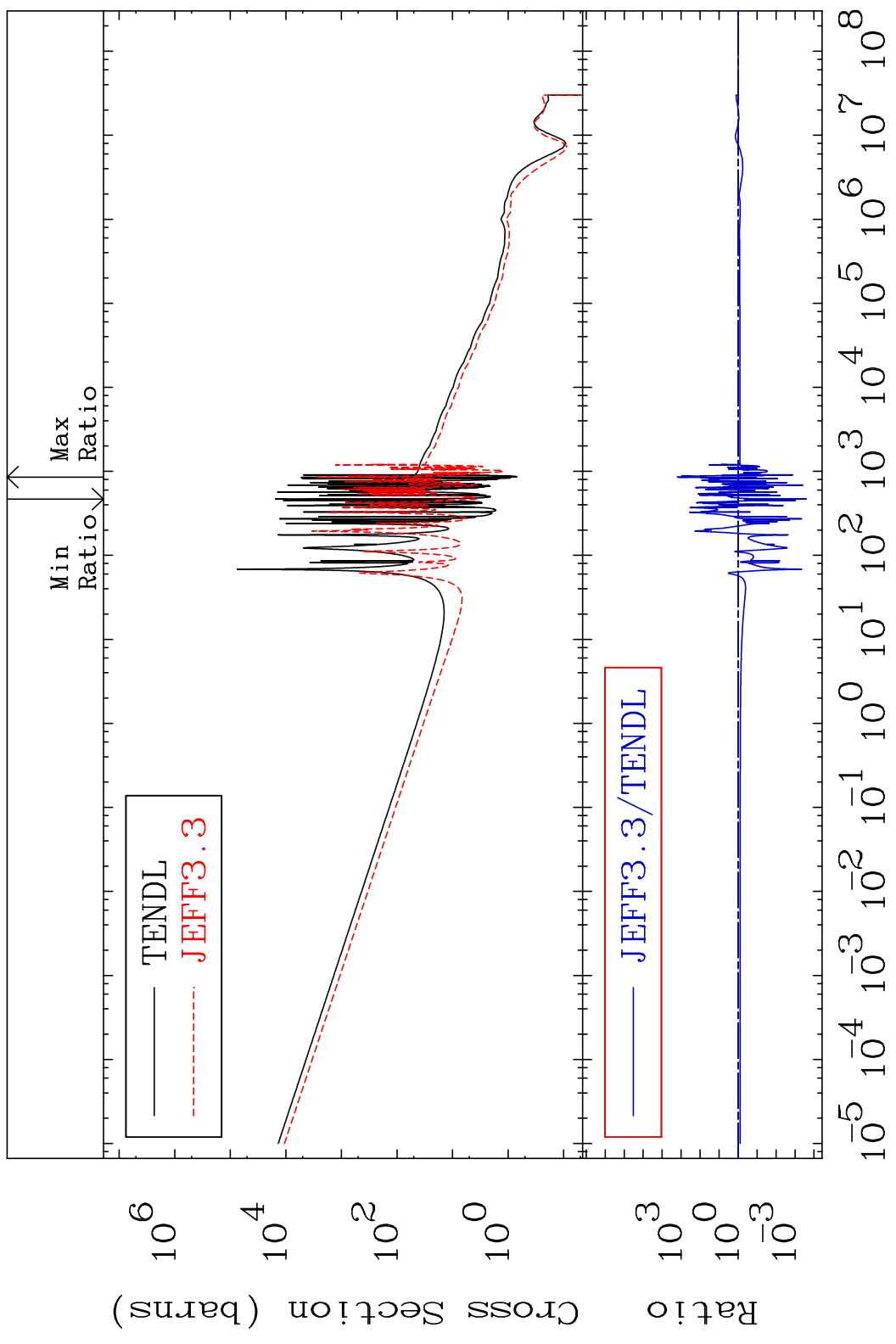


MAT 5137 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-125  
 Cross Section -100.0 To 299.4 %



MAT 5137

Kerma capture (mt102) 51-Sb-125  
Cross Section -99.97 To 9999. %

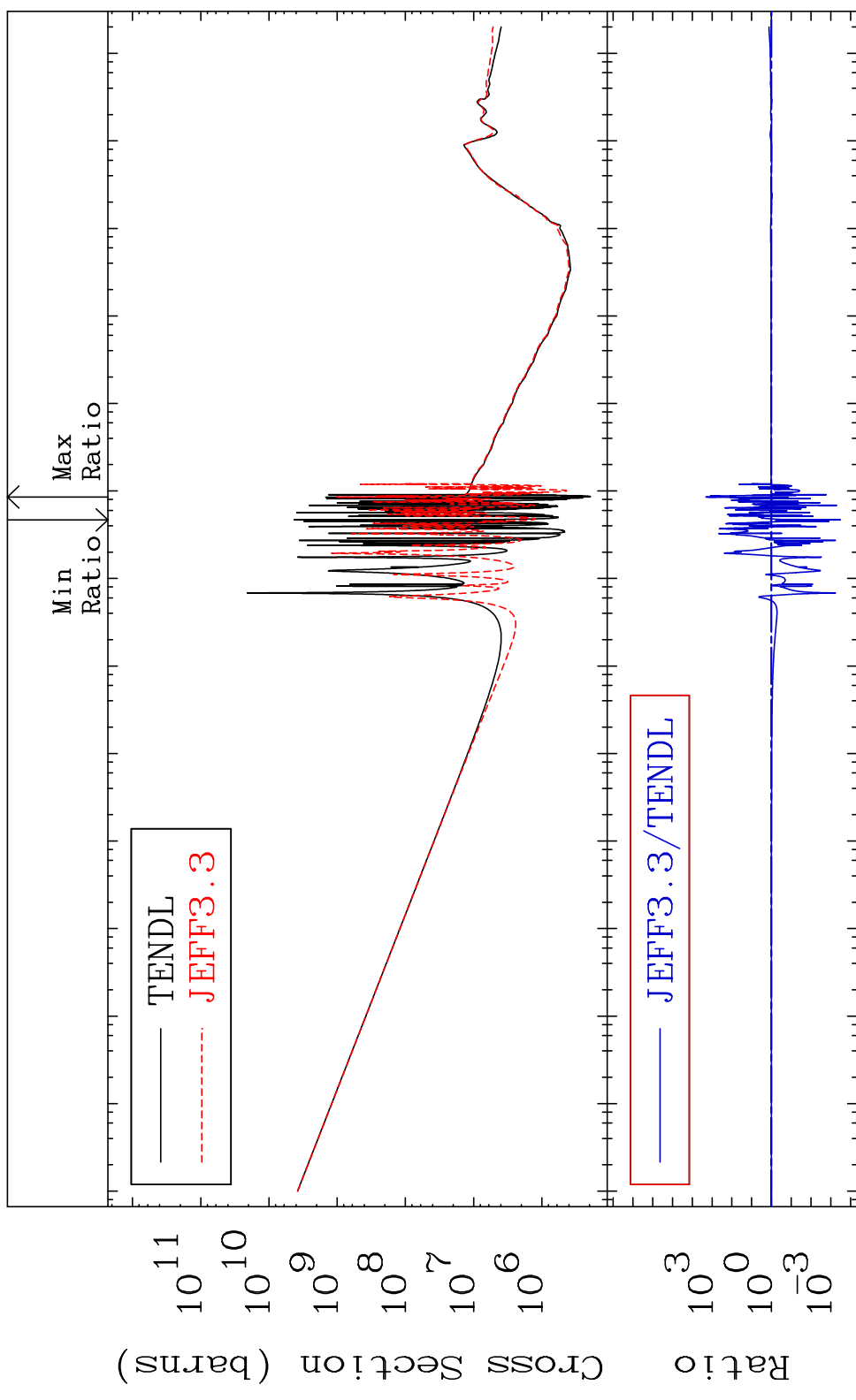


MAT 5137

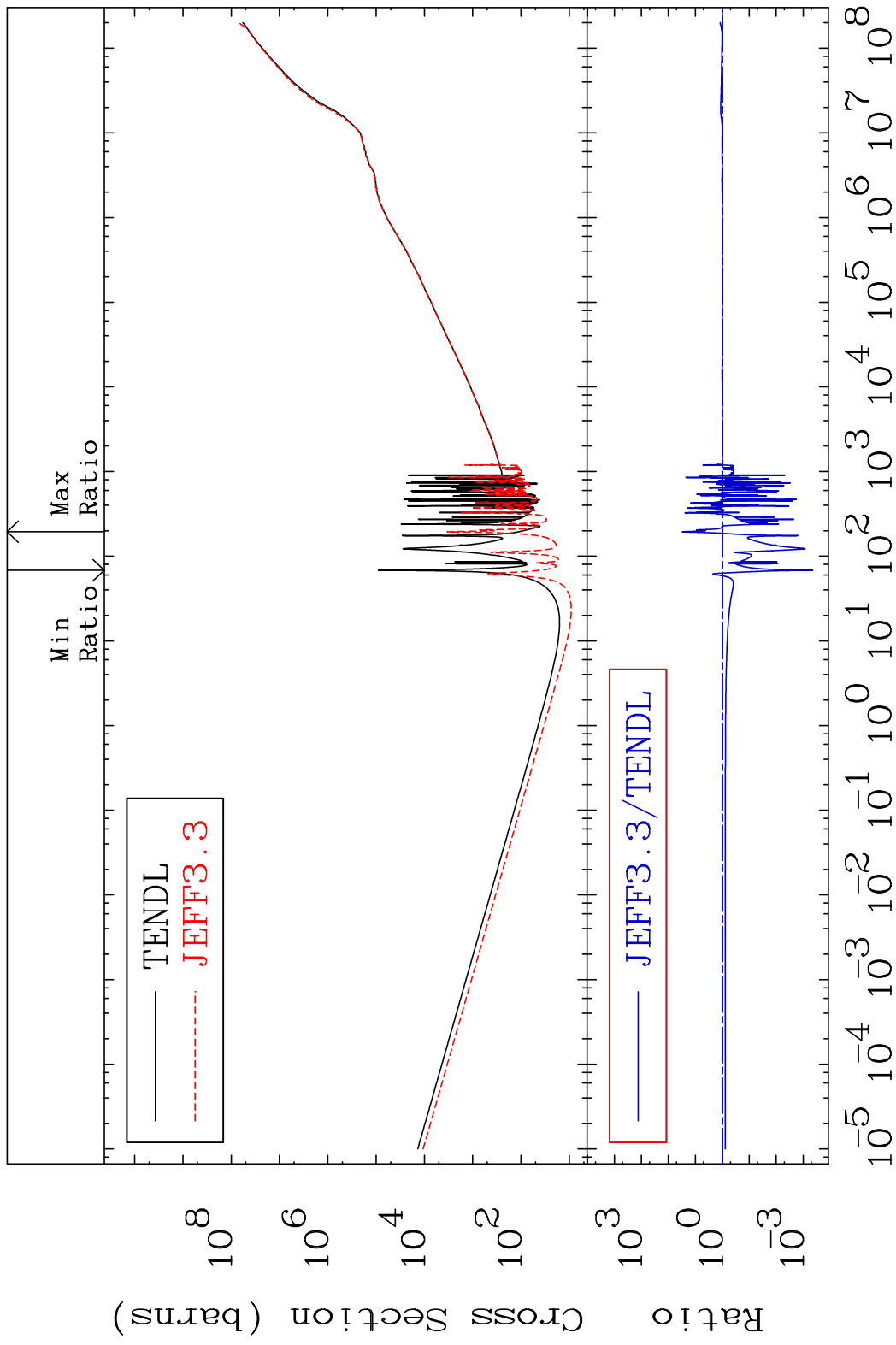
Total photon (eV-barns)

51-Sb-125

Cross Section -99.97 To 9999. %



MAT 5137 Total kinematic kerma (high limit) 51-Sb-125  
 Cross Section -99.96 To 2921. %

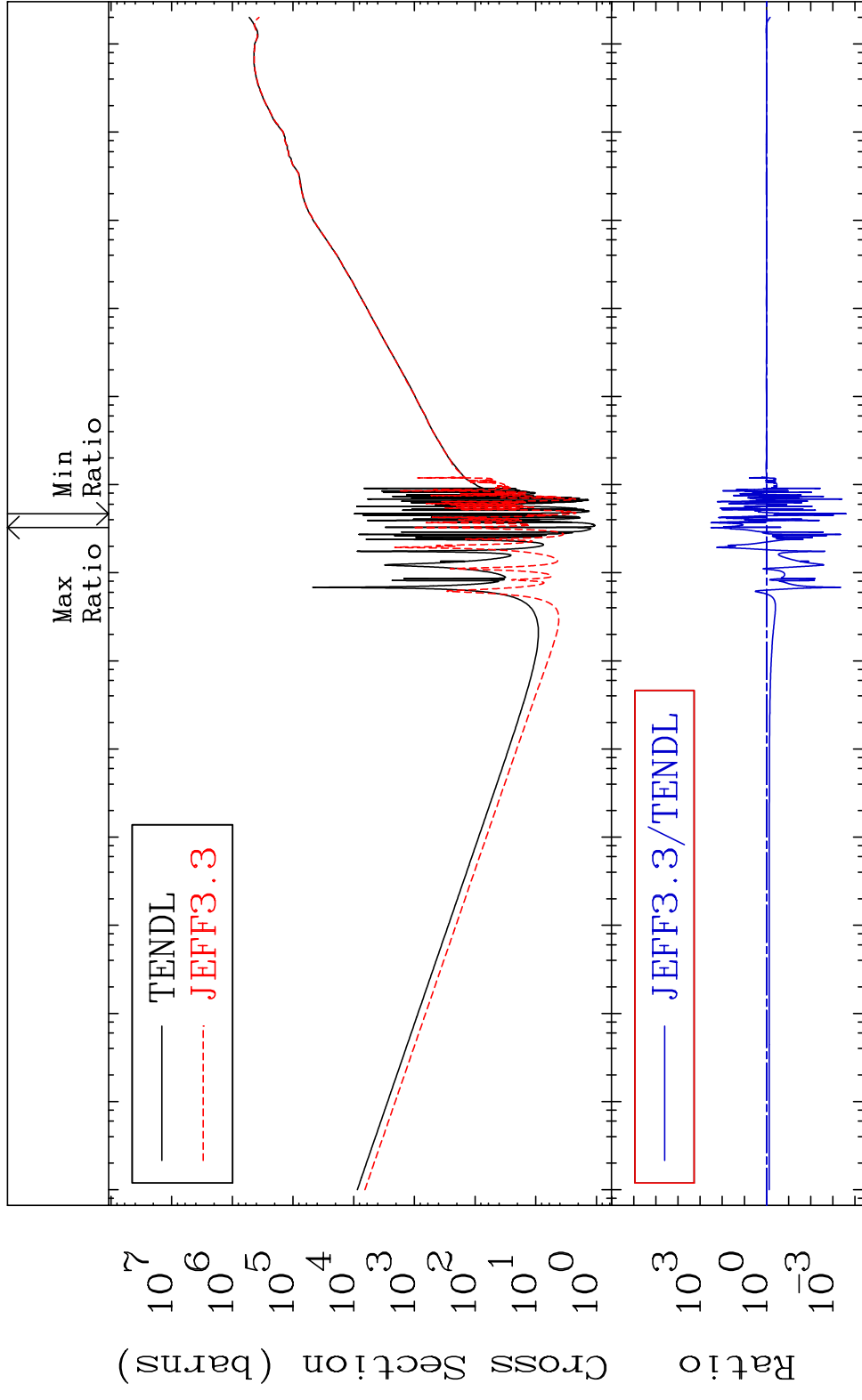


MAT 5137

Dpa total (eV-barns)

51-Sb-125

Cross Section -99.98 To 9999. %





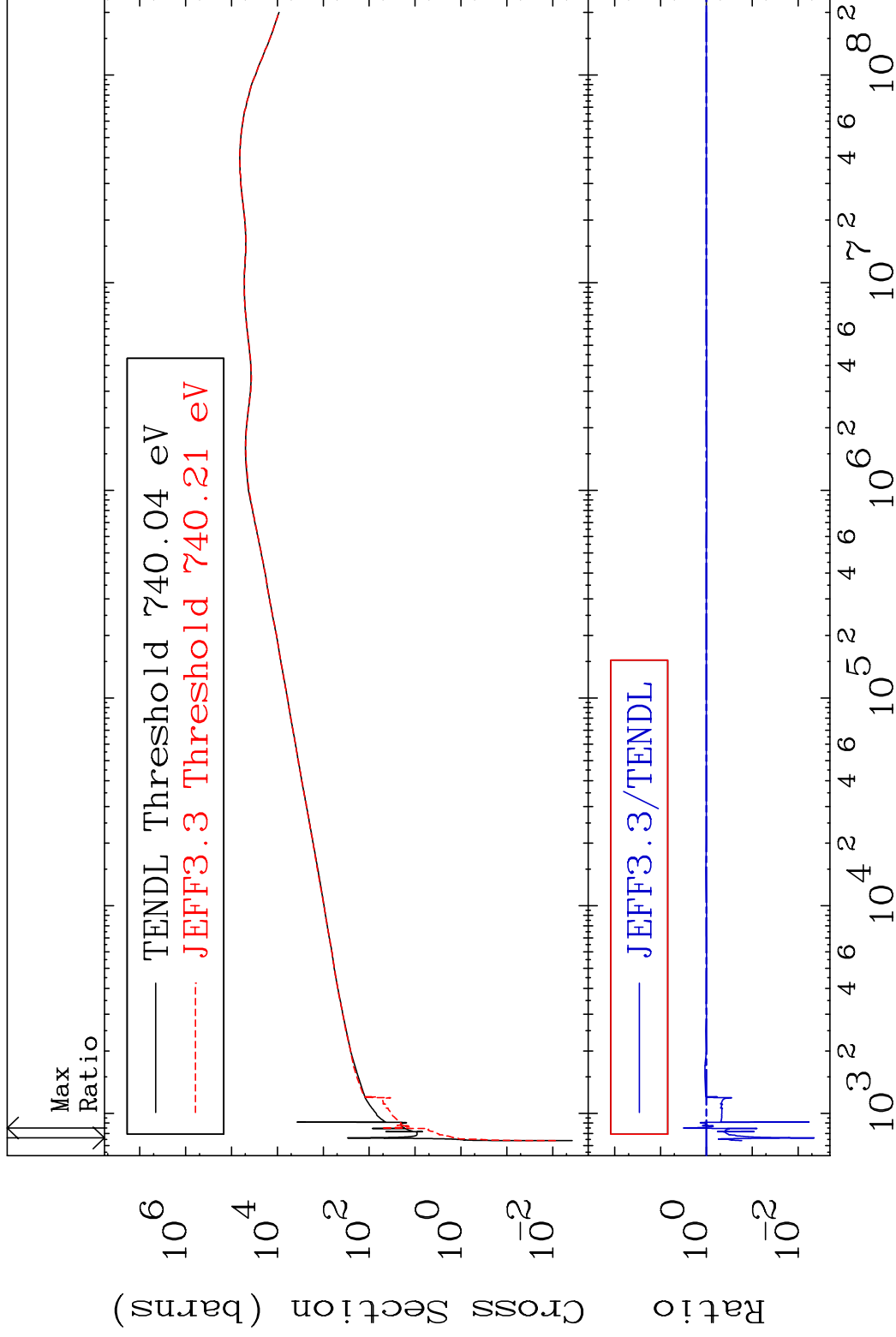
MAT 5137

Dpa elastic (mt2)

51-Sb-125

Cross Section

-99.55 To 213.4 %

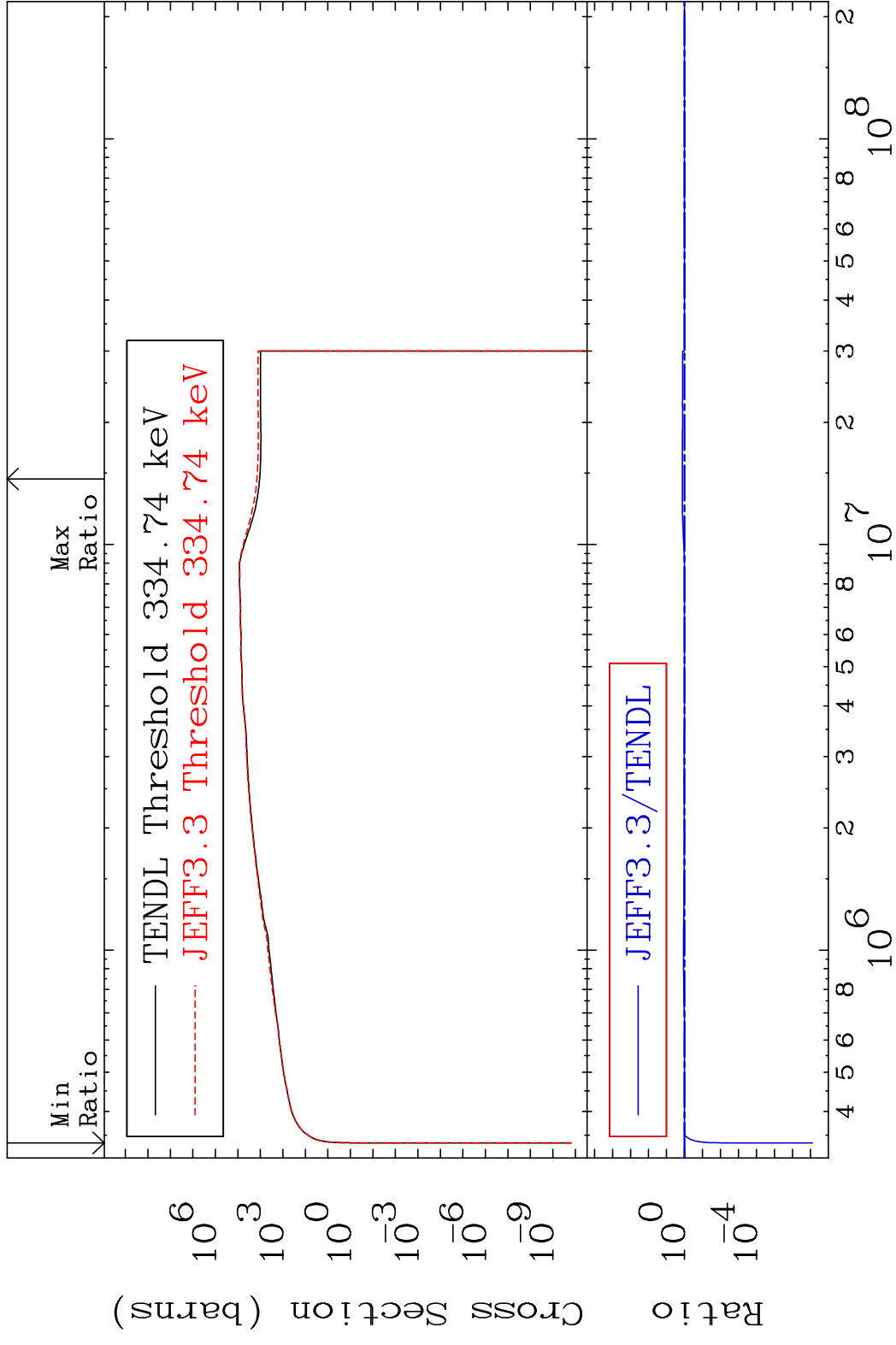


56

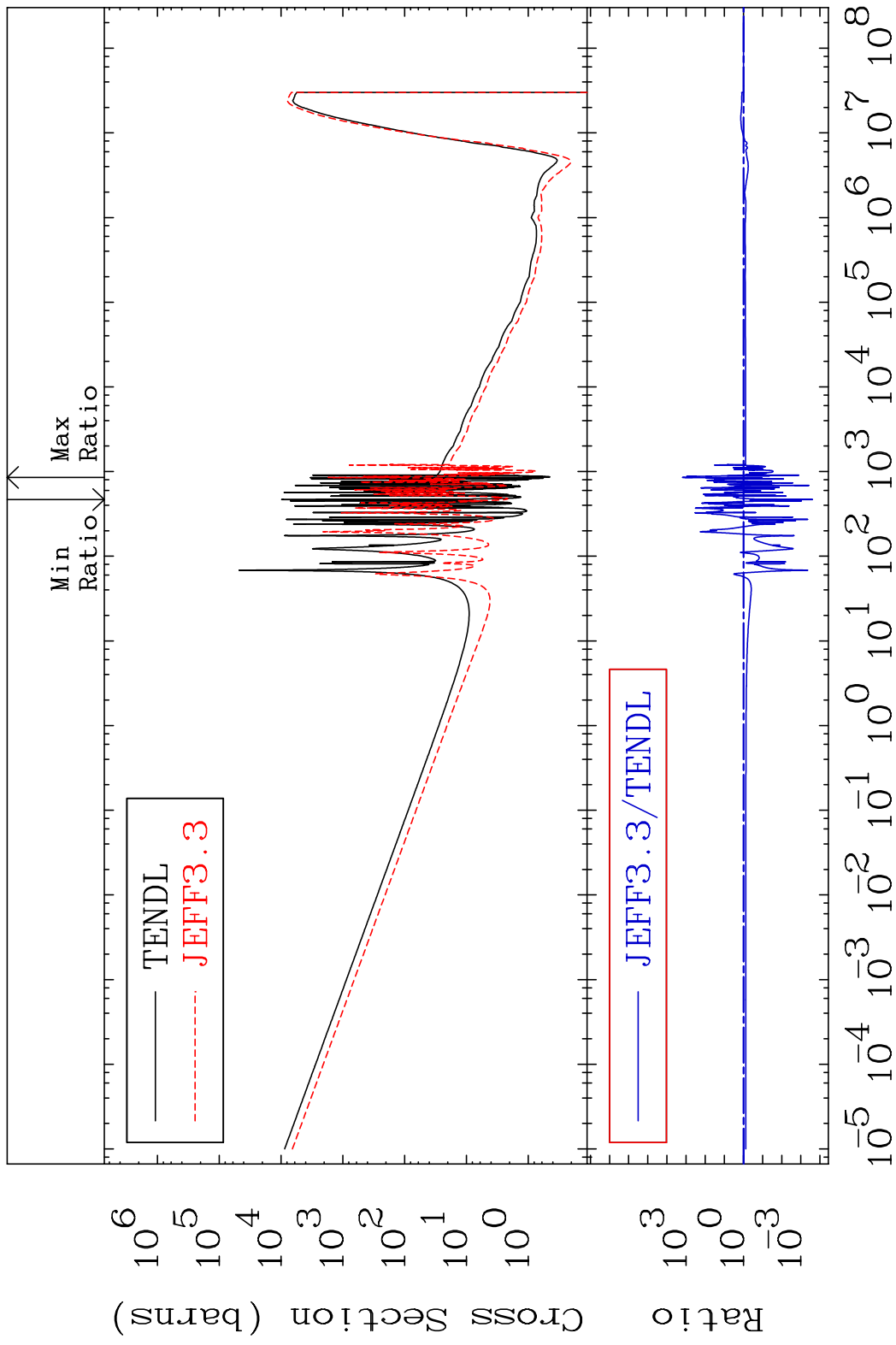
Incident Energy (eV)

51-Sb-125

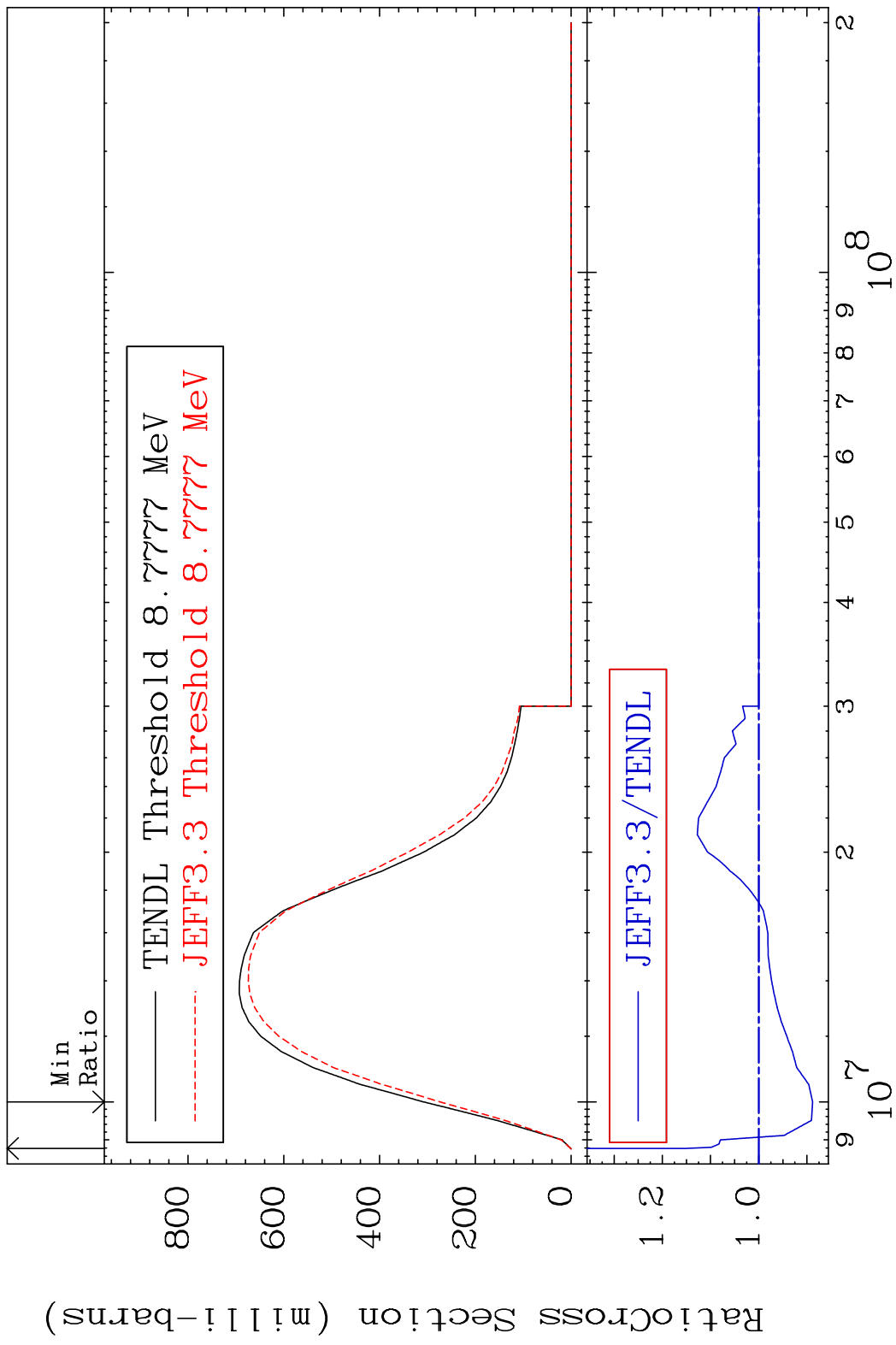
MAT 5137 Dpa inelastic (mt51-91) 51-Sb-125  
 Cross Section -100.0 To 31.90 %



MAT 5137 Dpa disappearance (mt102 -120) 51-Sb-125  
 Cross Section -99.98 To 9999. %

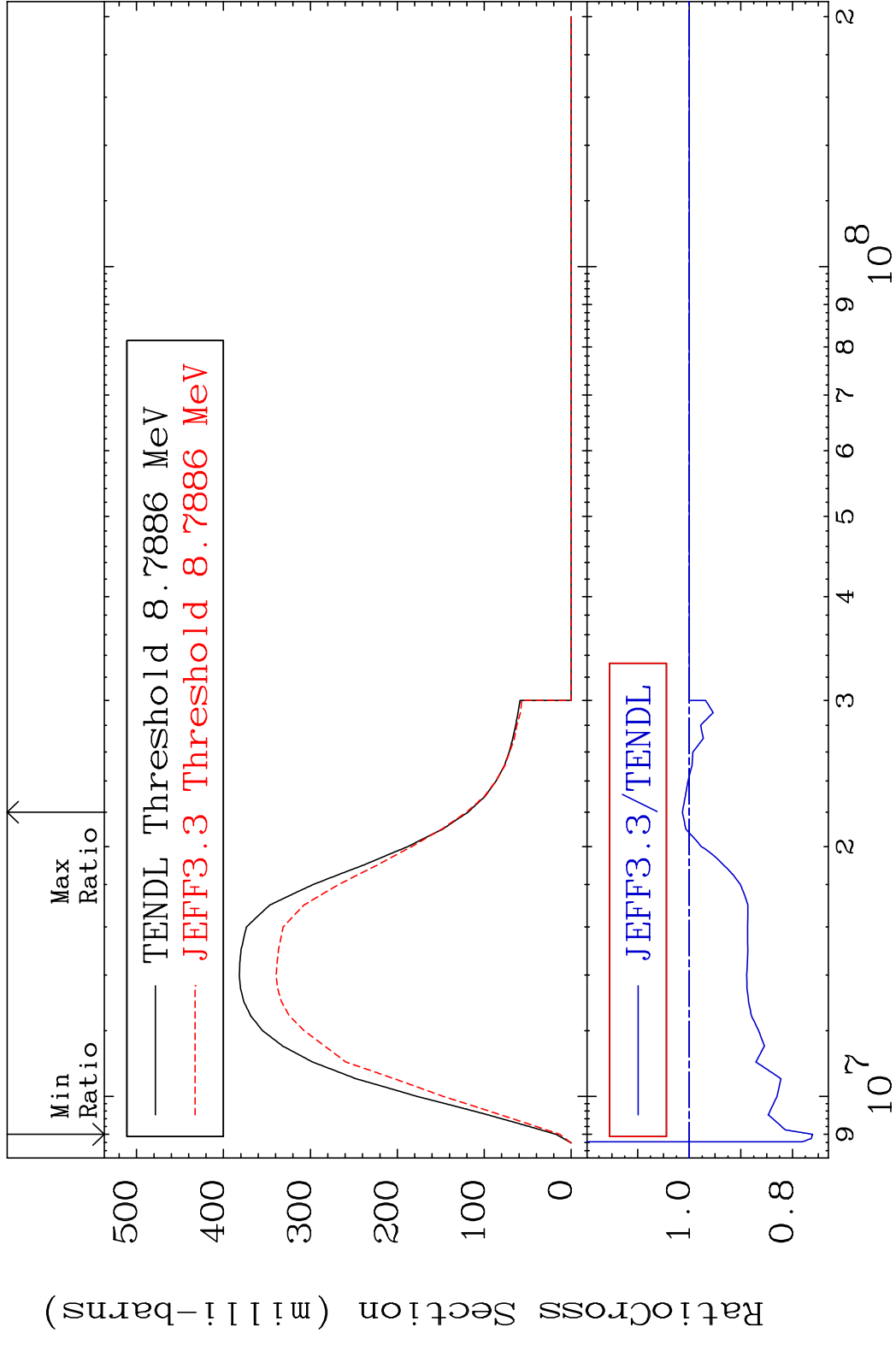


MAT 5137 (n,2n):51-Sb-124g 51-Sb-125  
 Radionuclide Production Cross Section 15.85 %

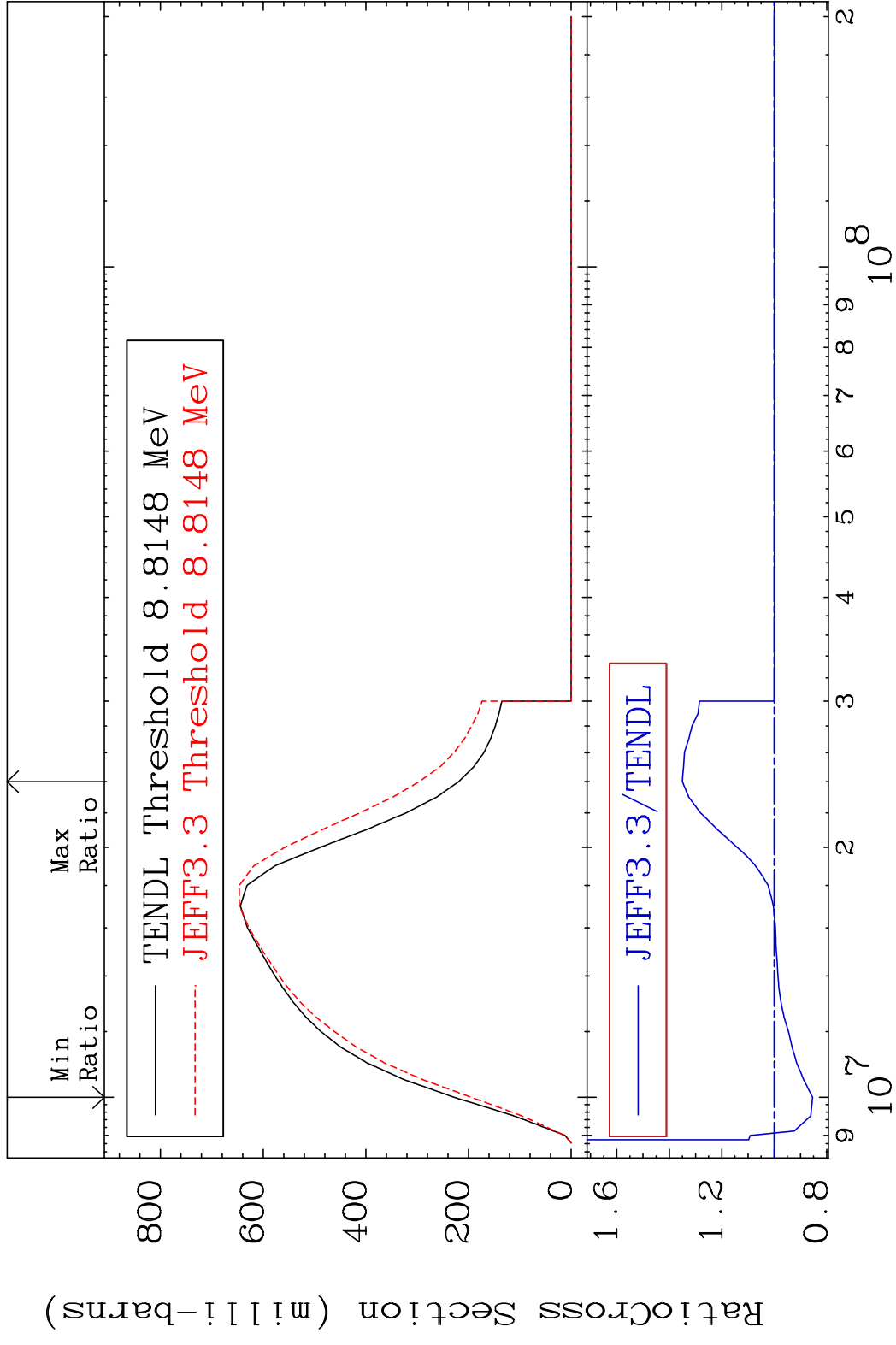


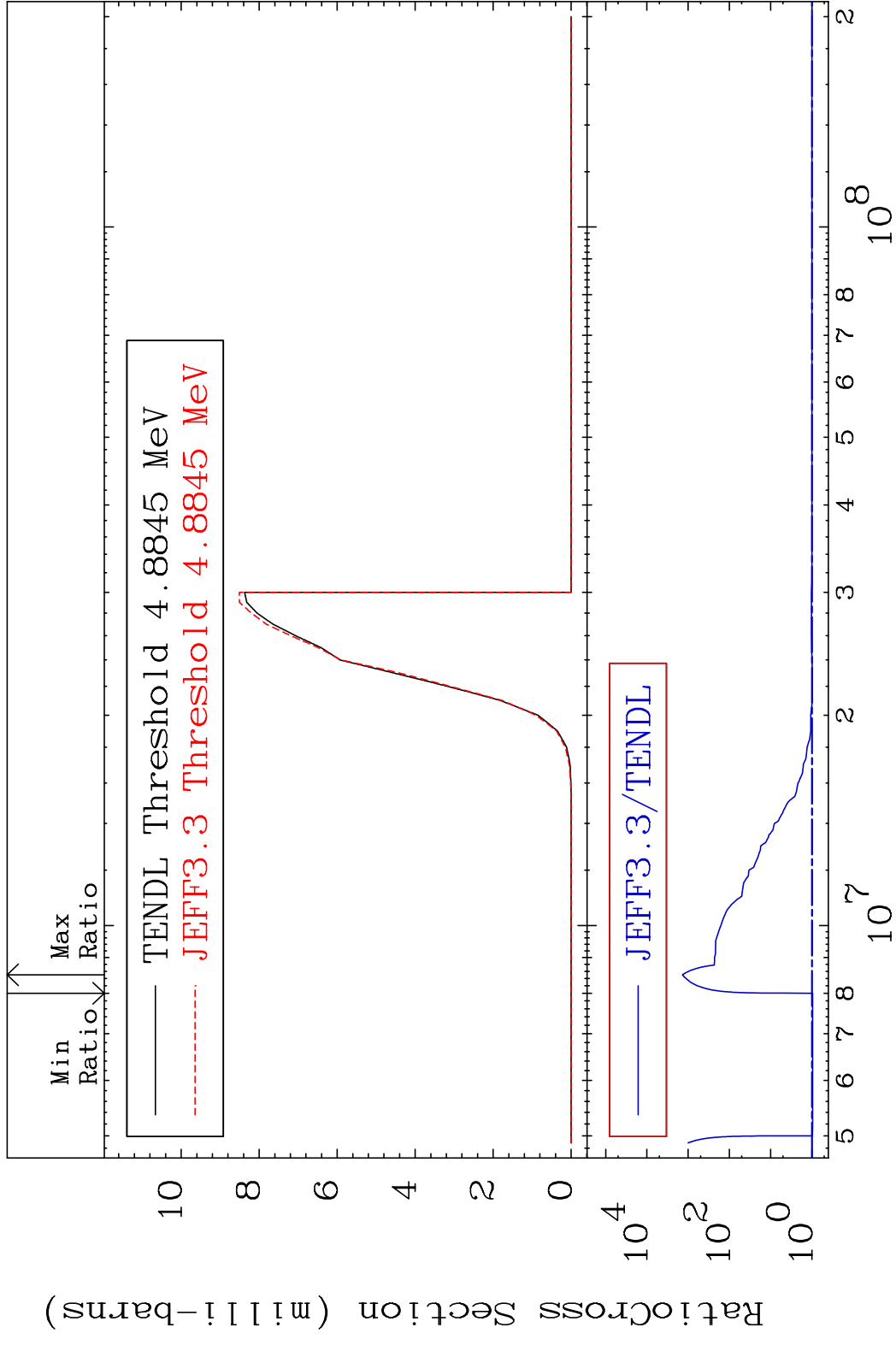
59 Incident Energy (eV) 51-Sb-125

MAT 5137 (n,2n):51-Sb-124m1 51-Sb-125  
 Radionuclide Production Cross Section 3.691 d10 1.340 %

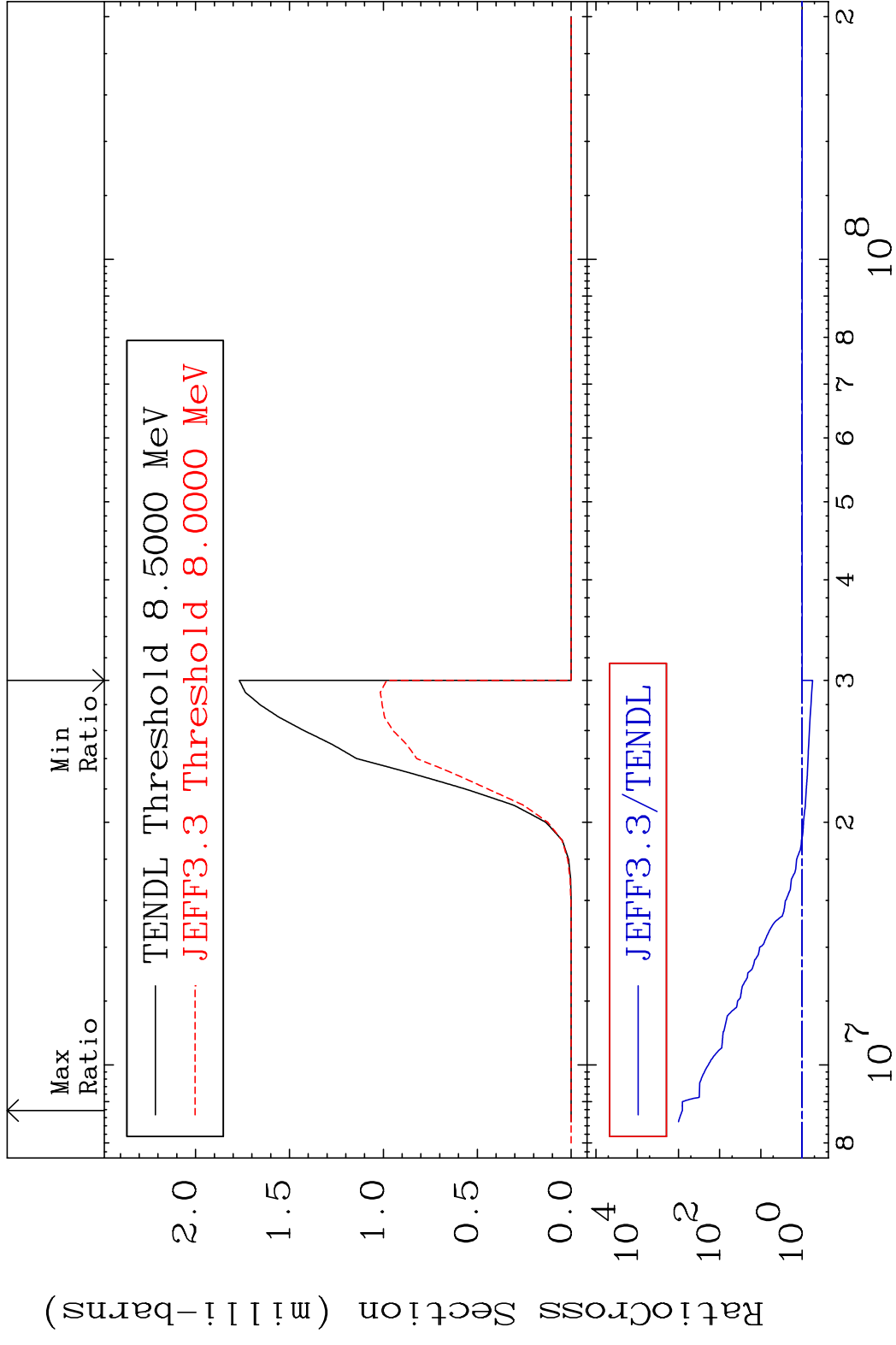


60 Incident Energy (eV) 51-Sb-125

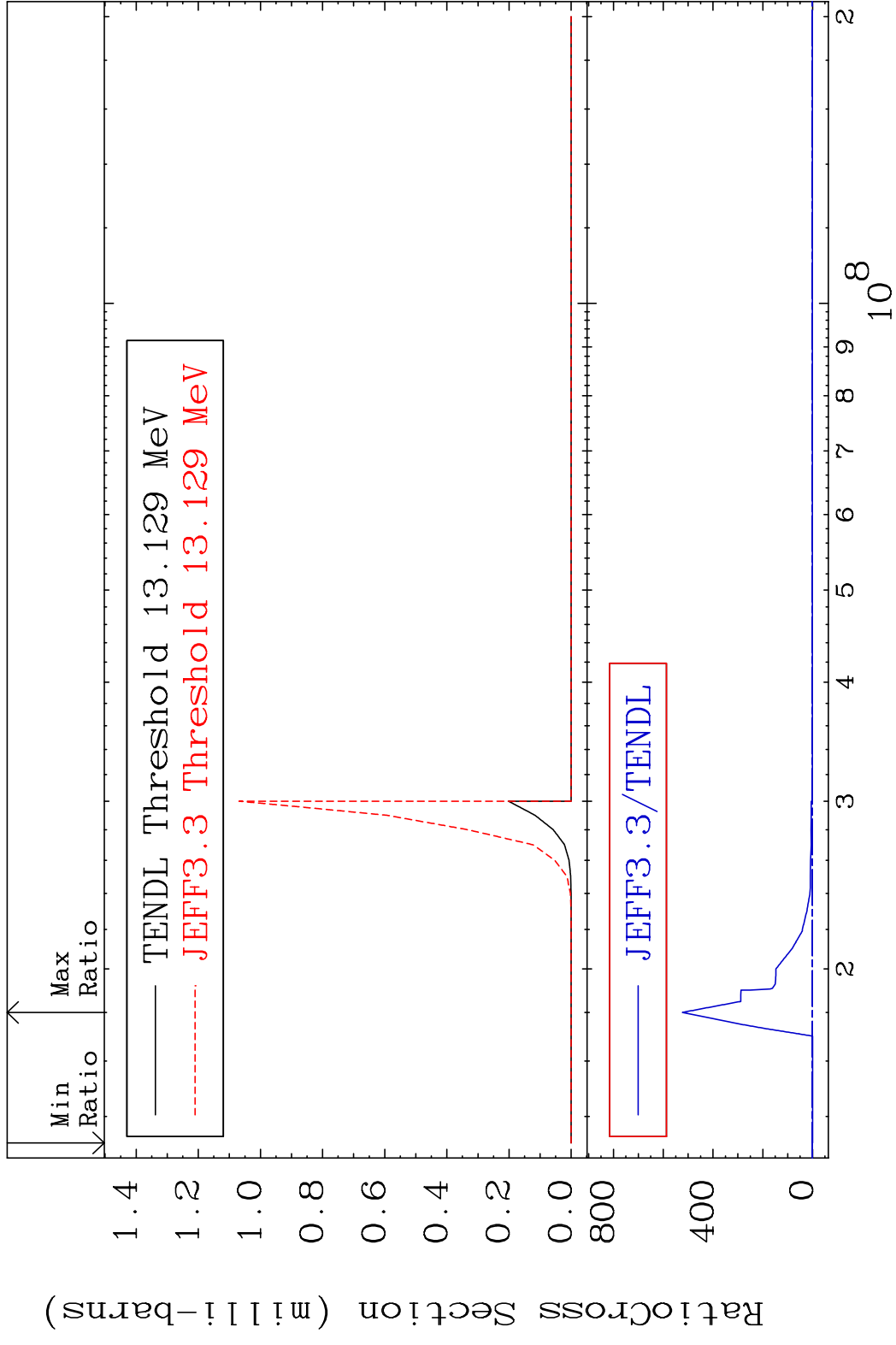


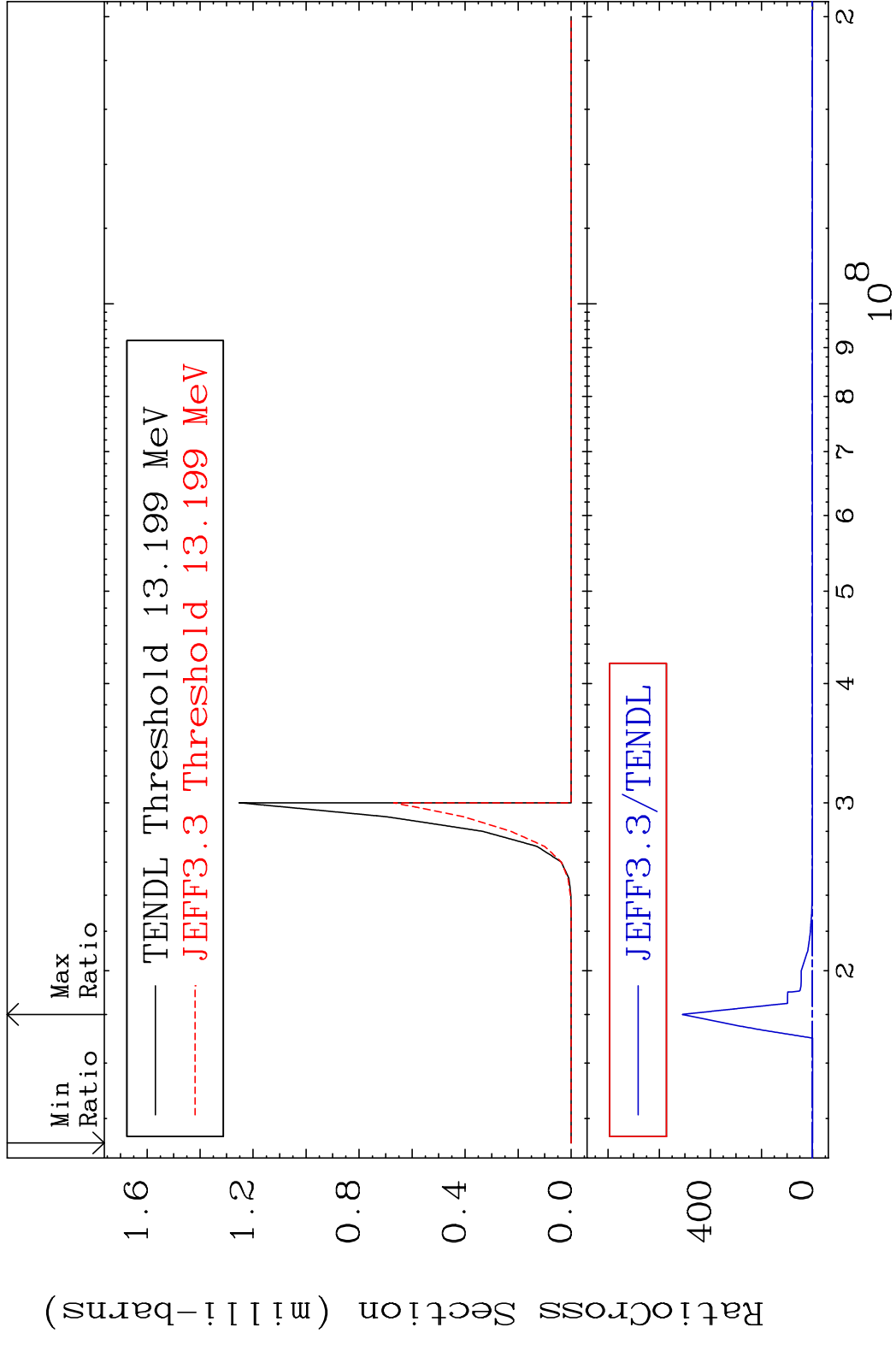


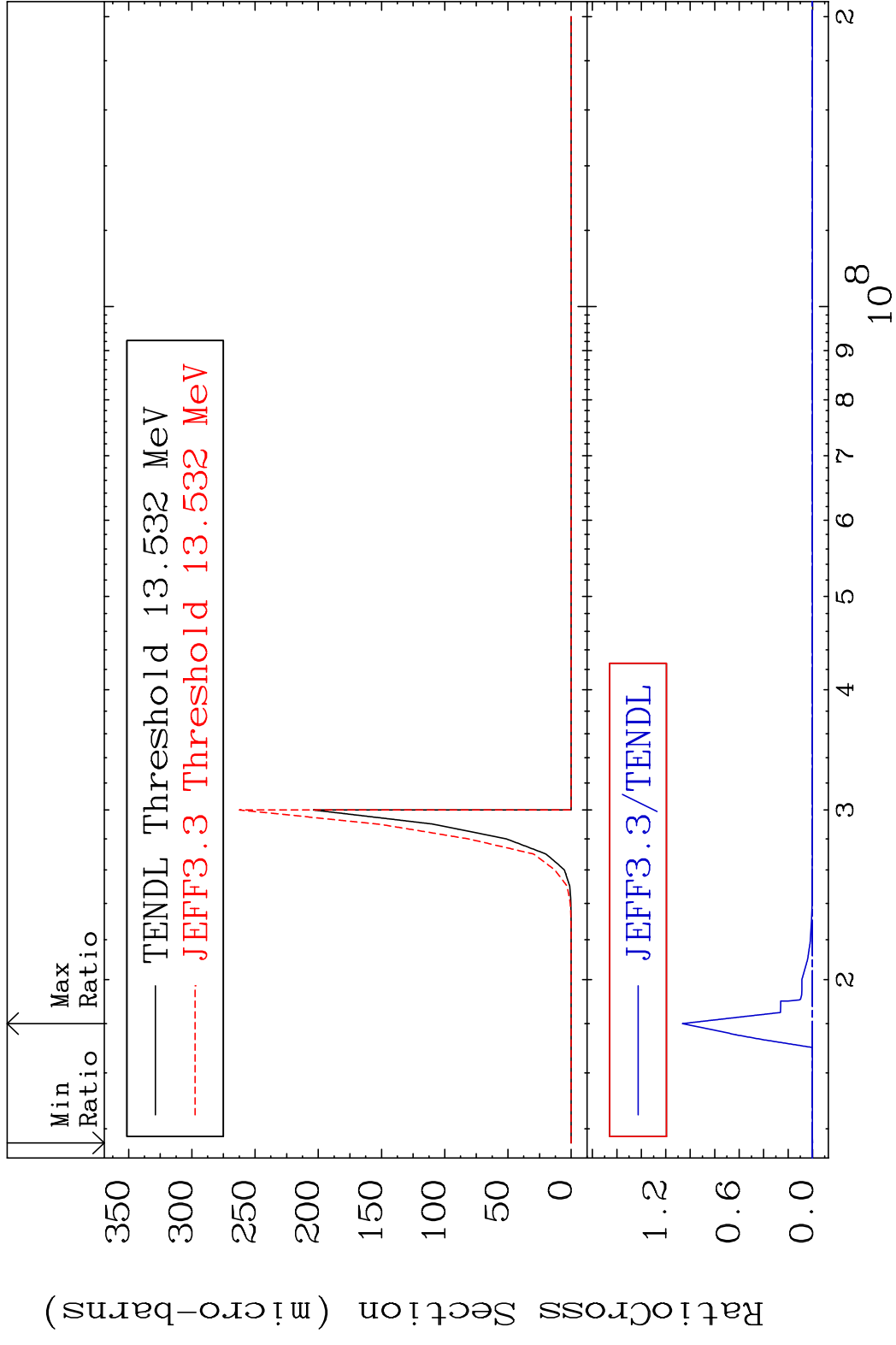
MAT 5137 (n, n')  $\alpha$ :49-In-121m1 51-Sb-125  
 Radionuclide Production Cross Section to 9999. %

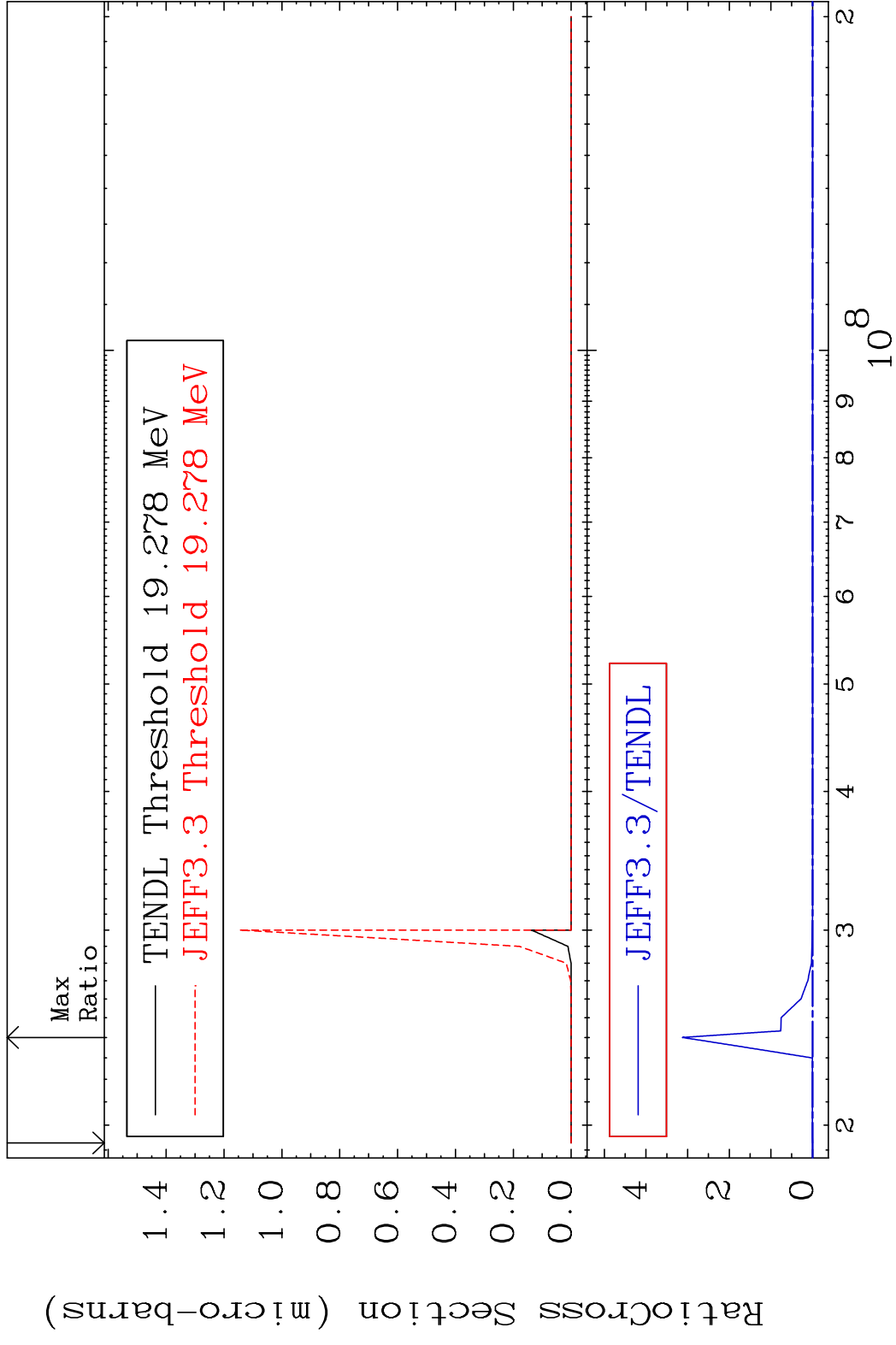


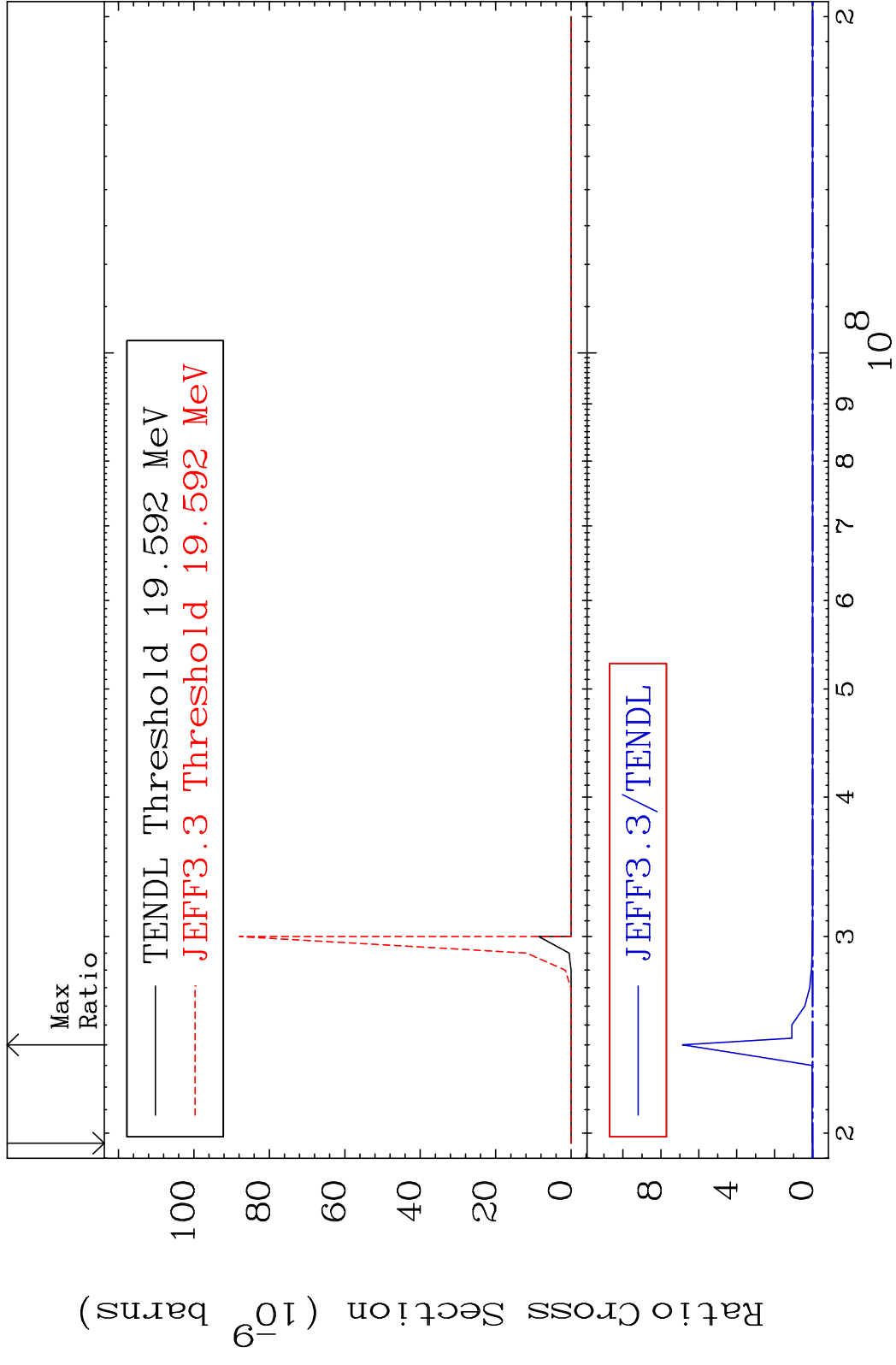


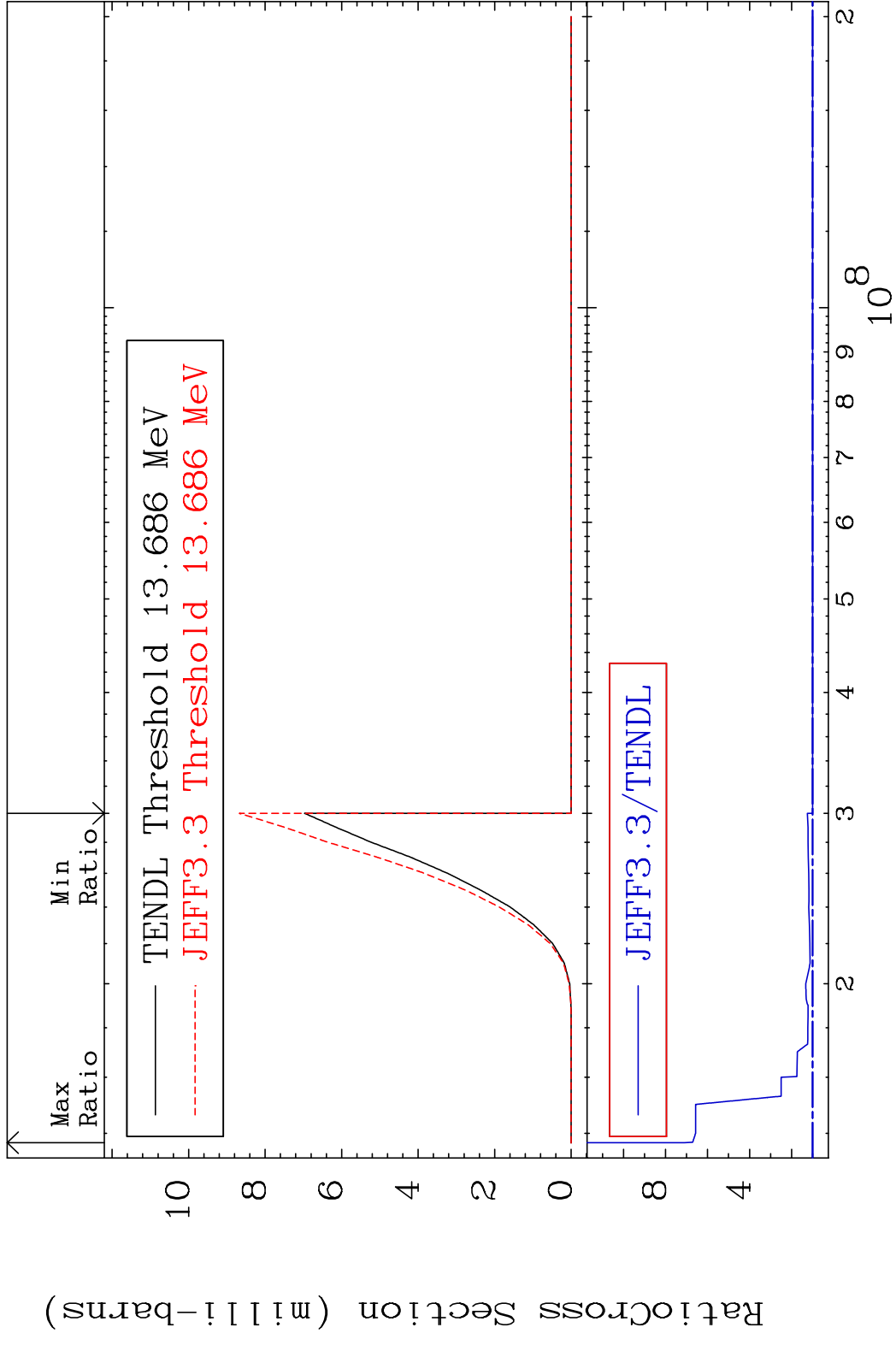


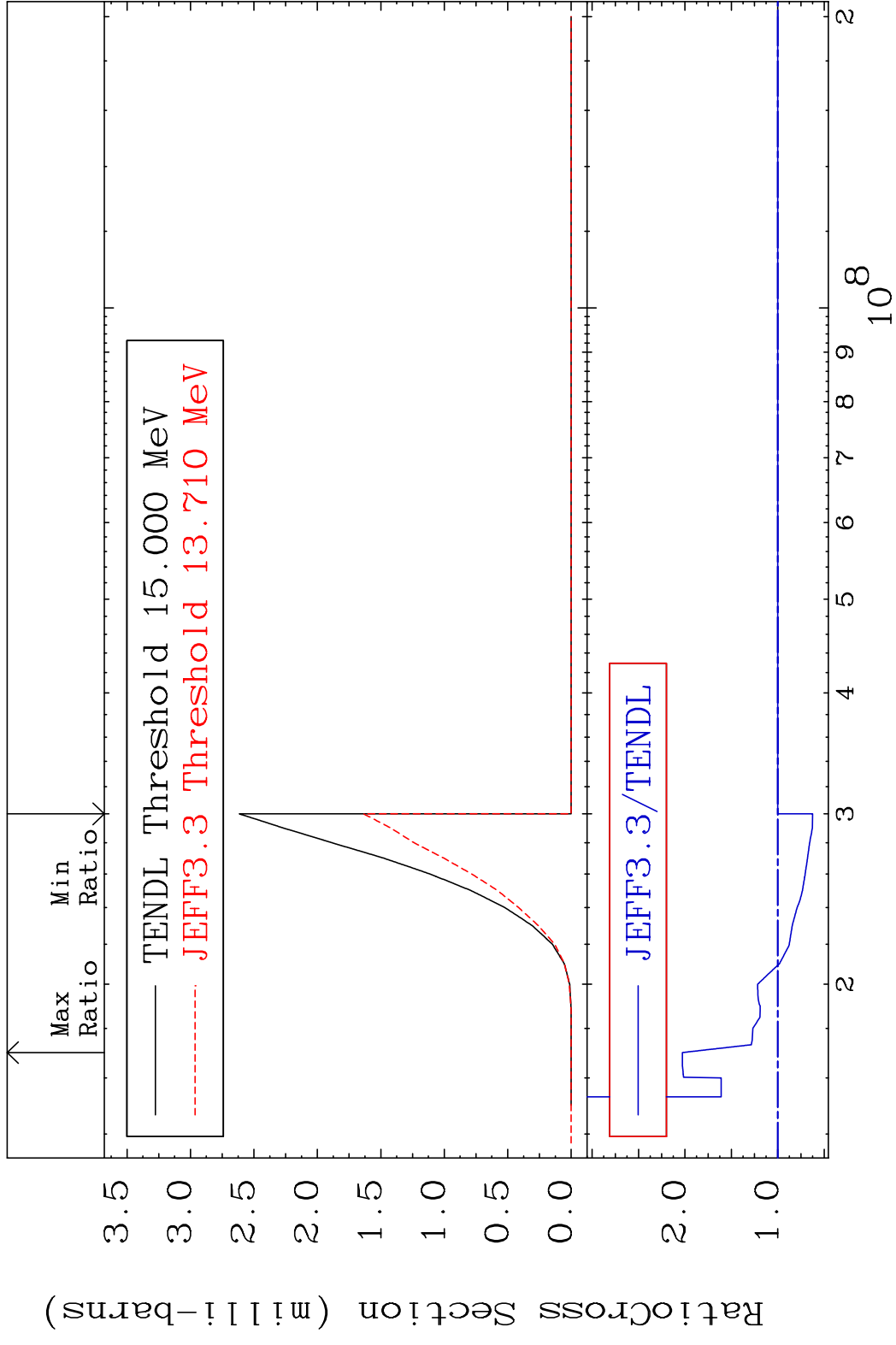


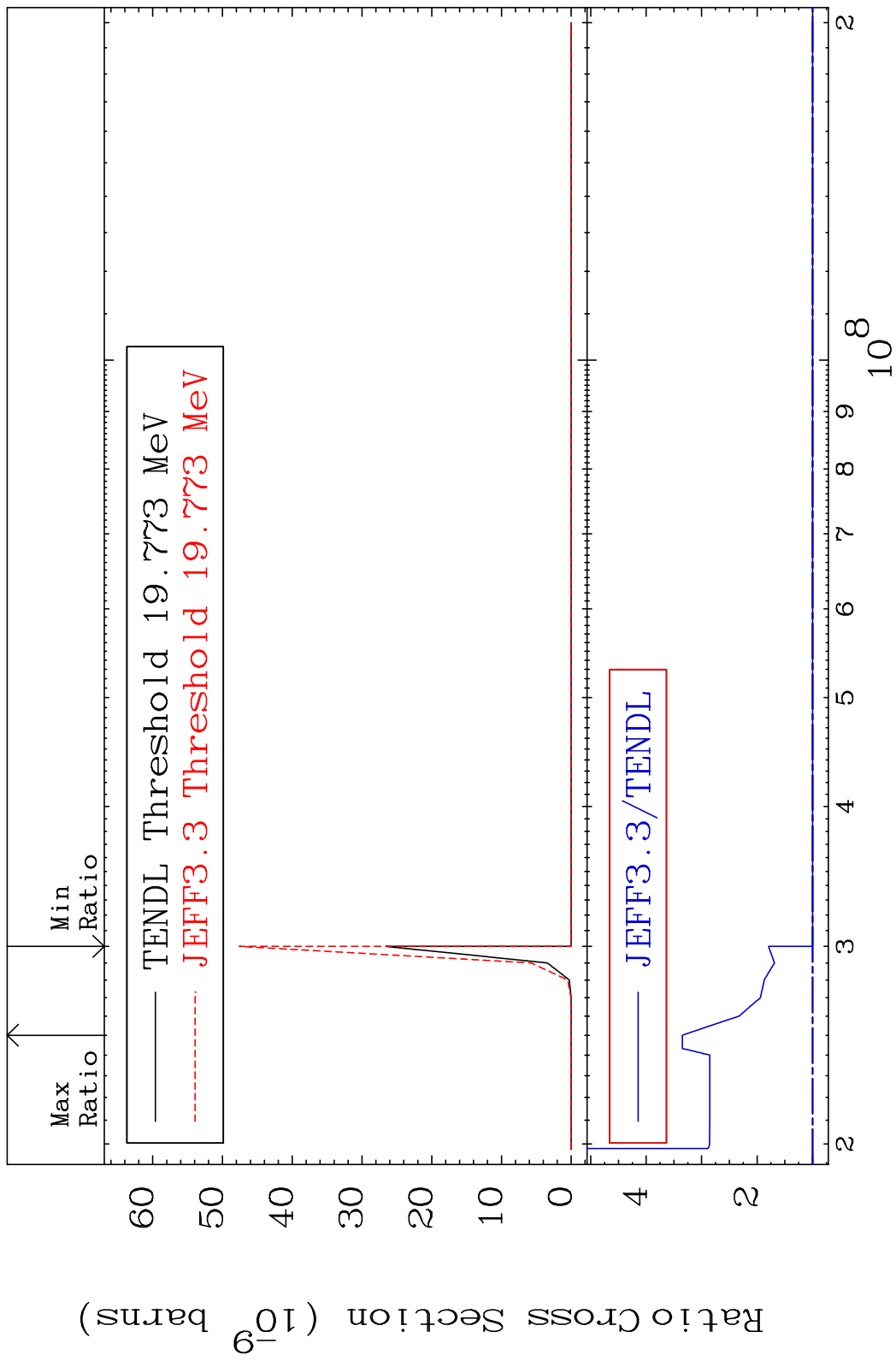




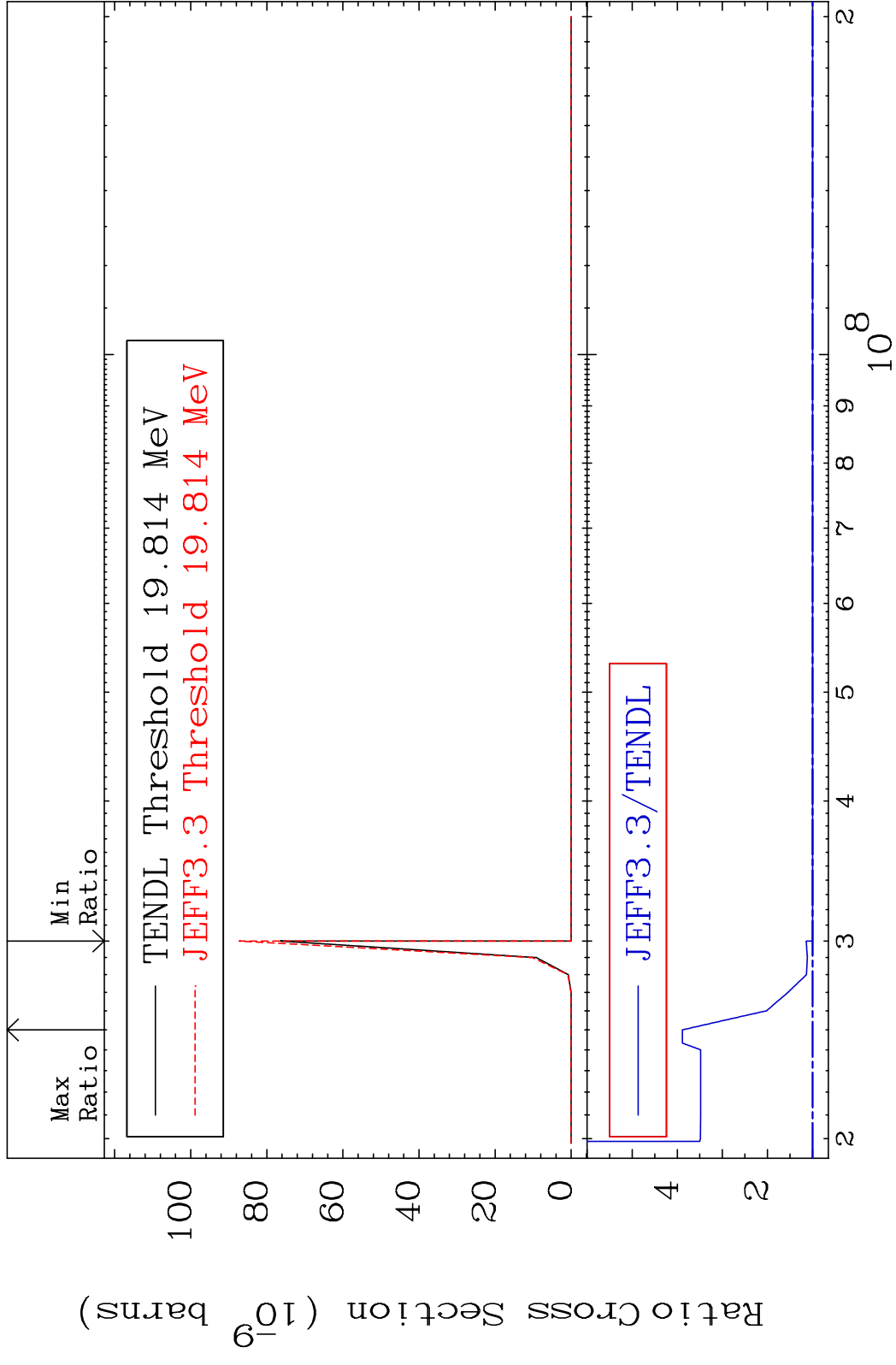




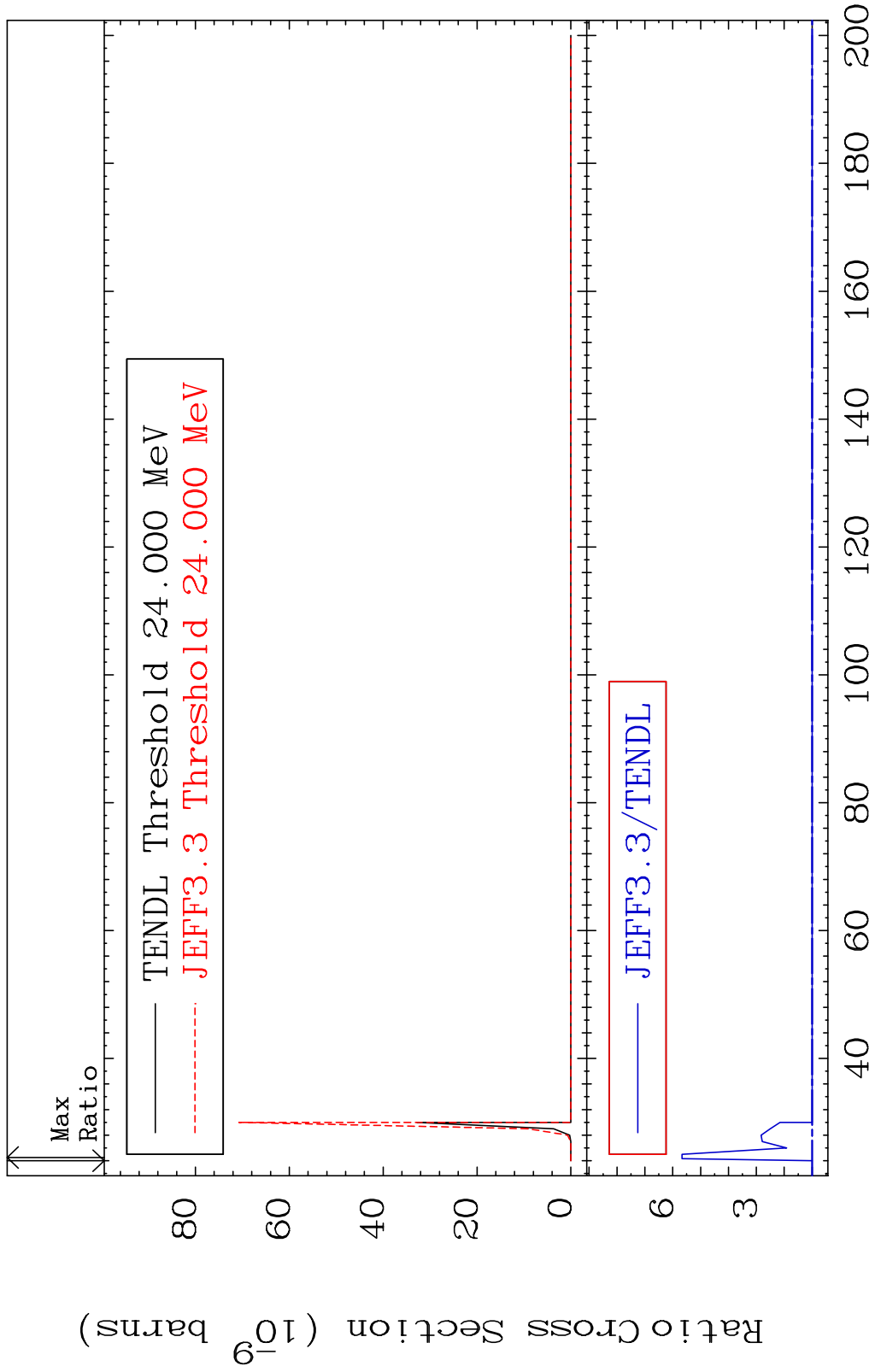




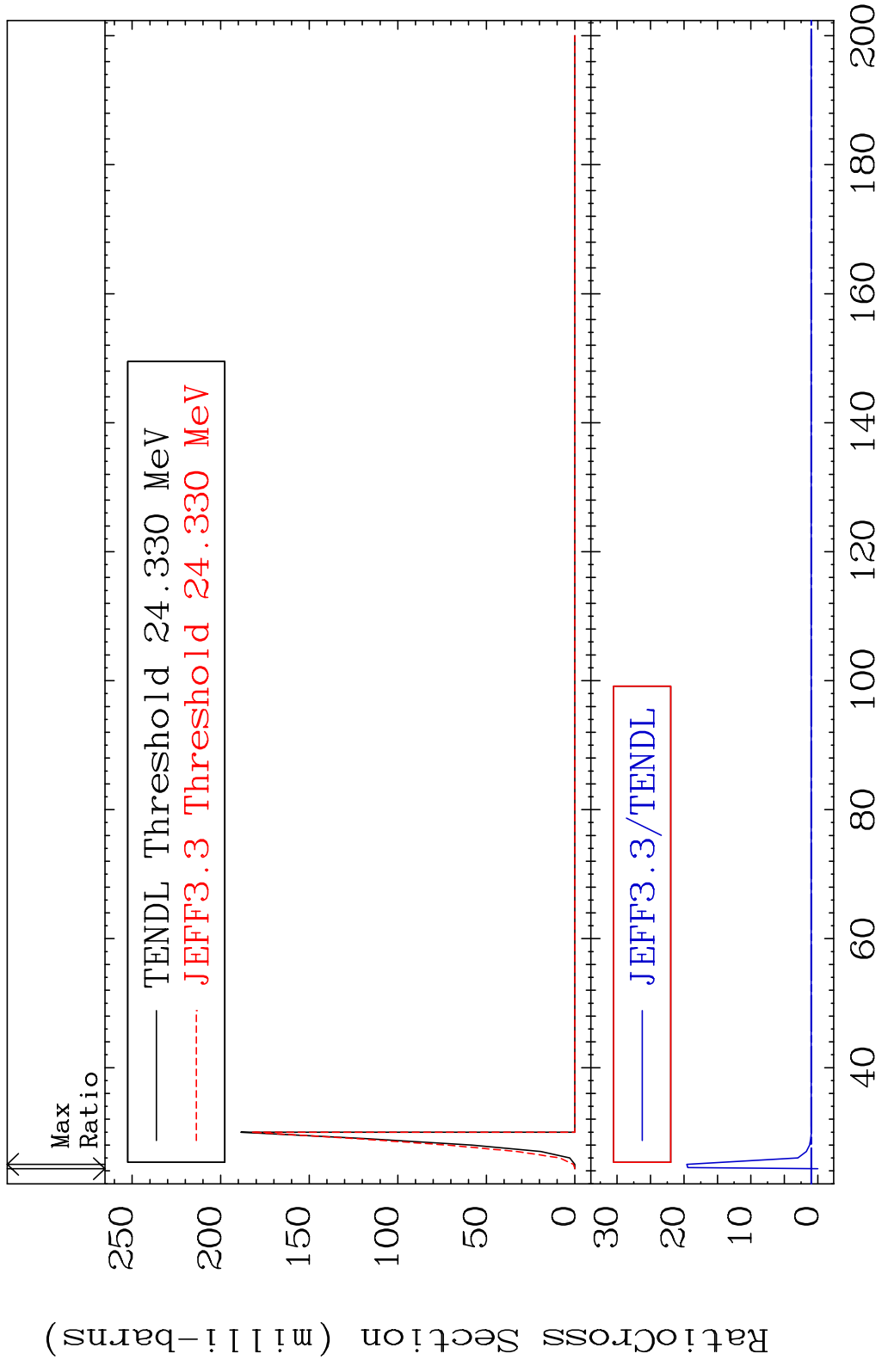




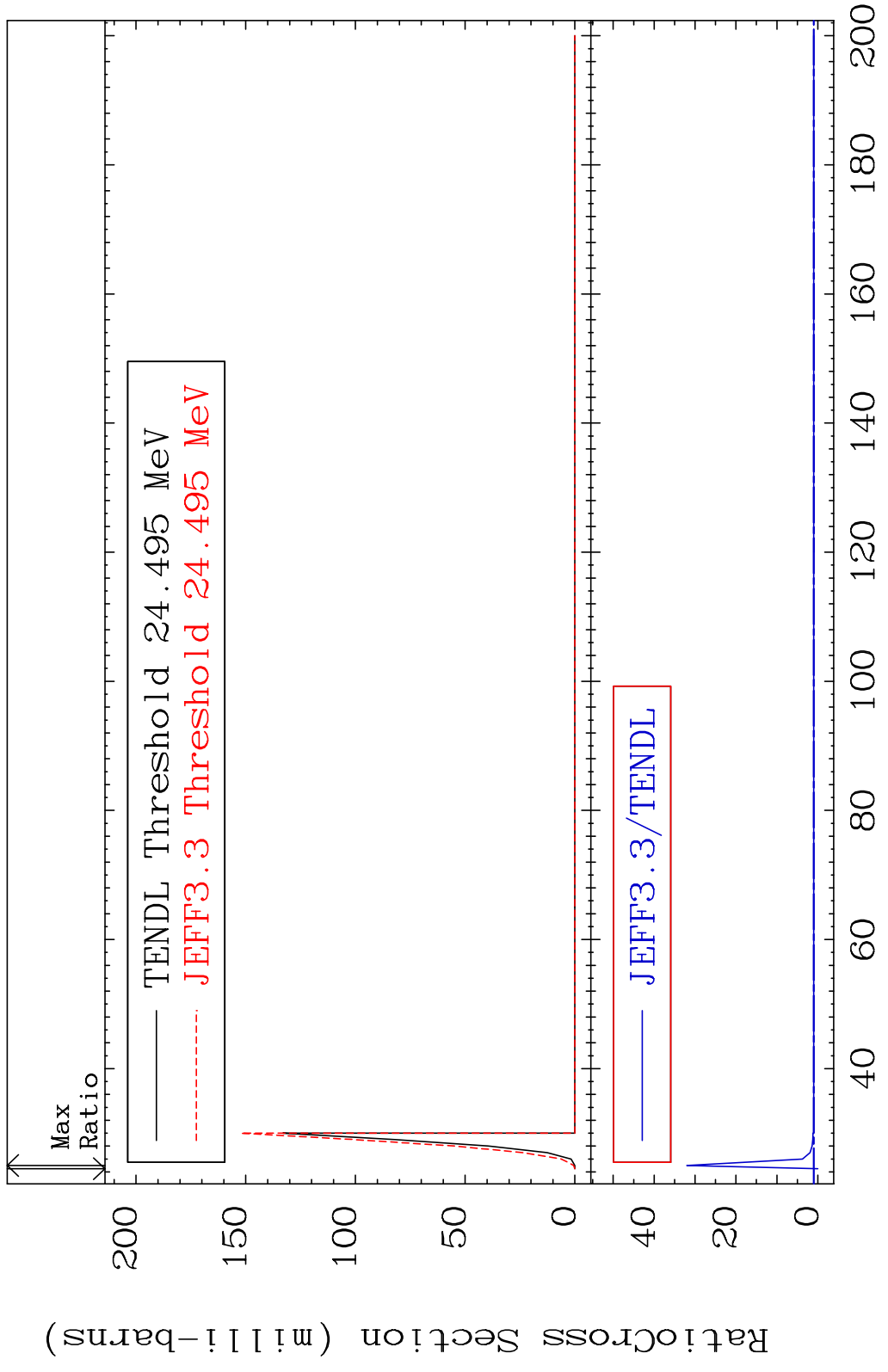
MAT 5137 (n, n') He-3:49-In-122m5 51-Sb-125  
 Radionuclide Production Cross Section 466.9 %



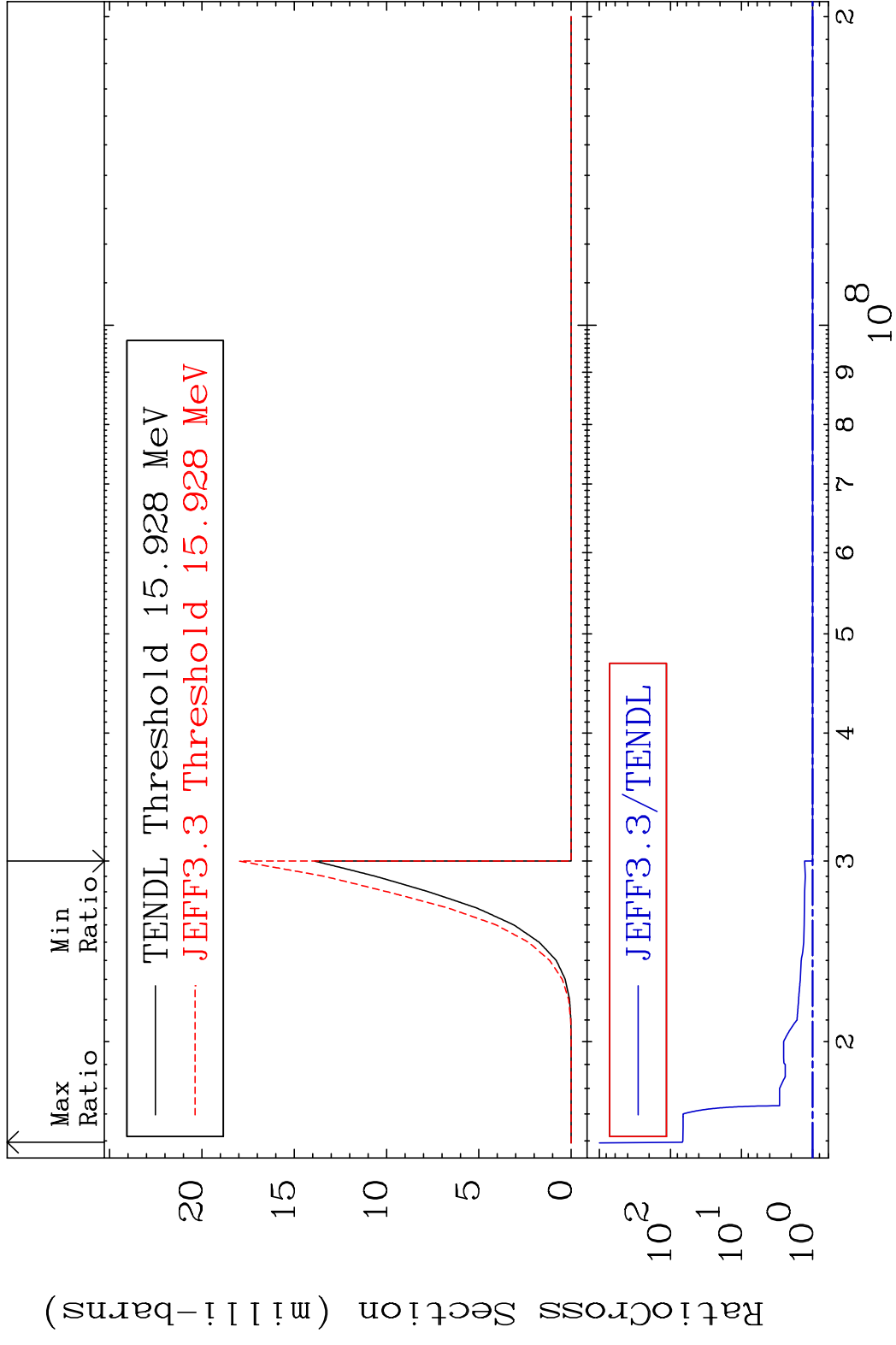
MAT 5137 (n,4n):51-Sb-122g 51-Sb-125  
 Radionuclide Production Cross Section 1859.0 %

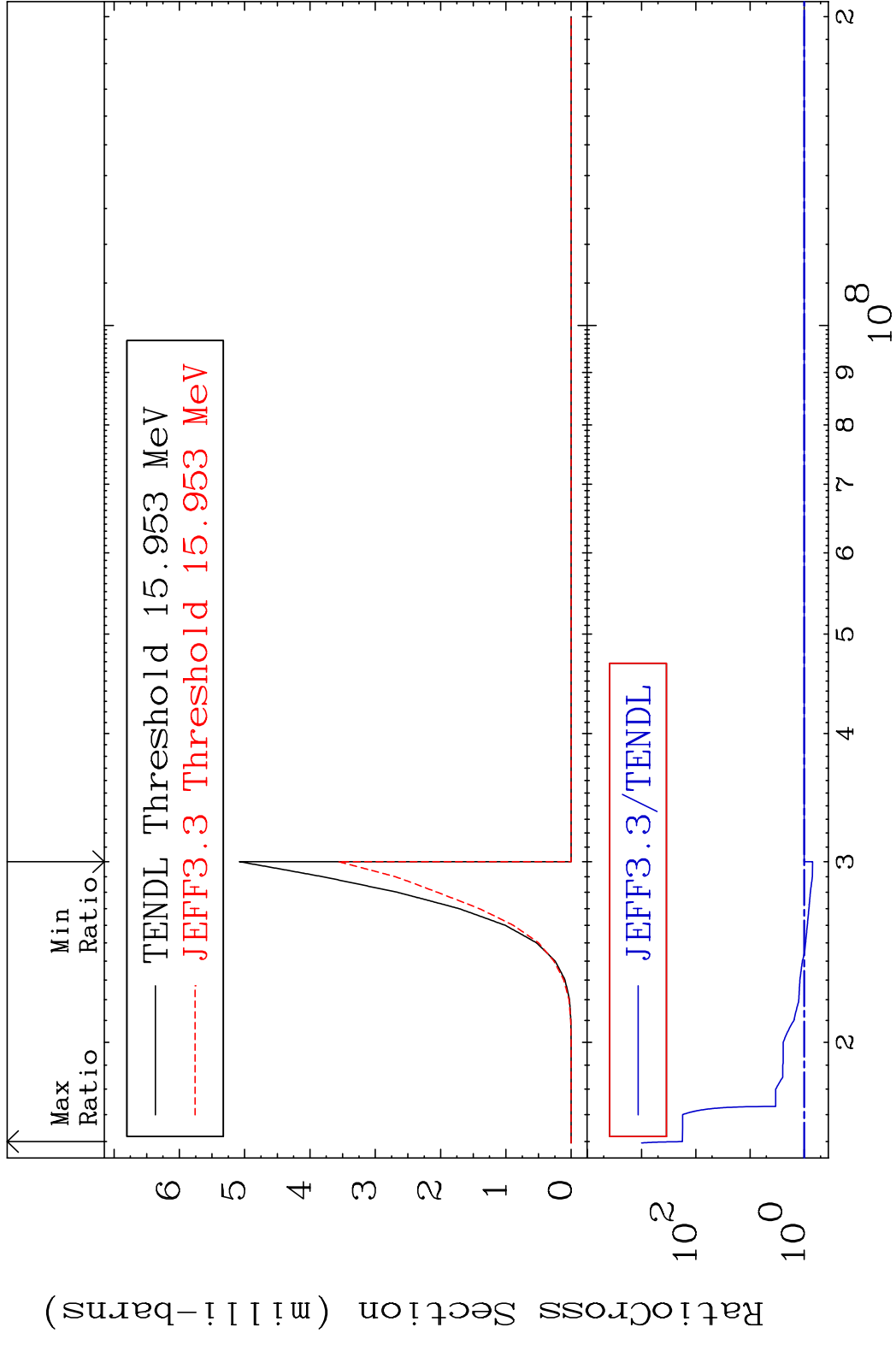


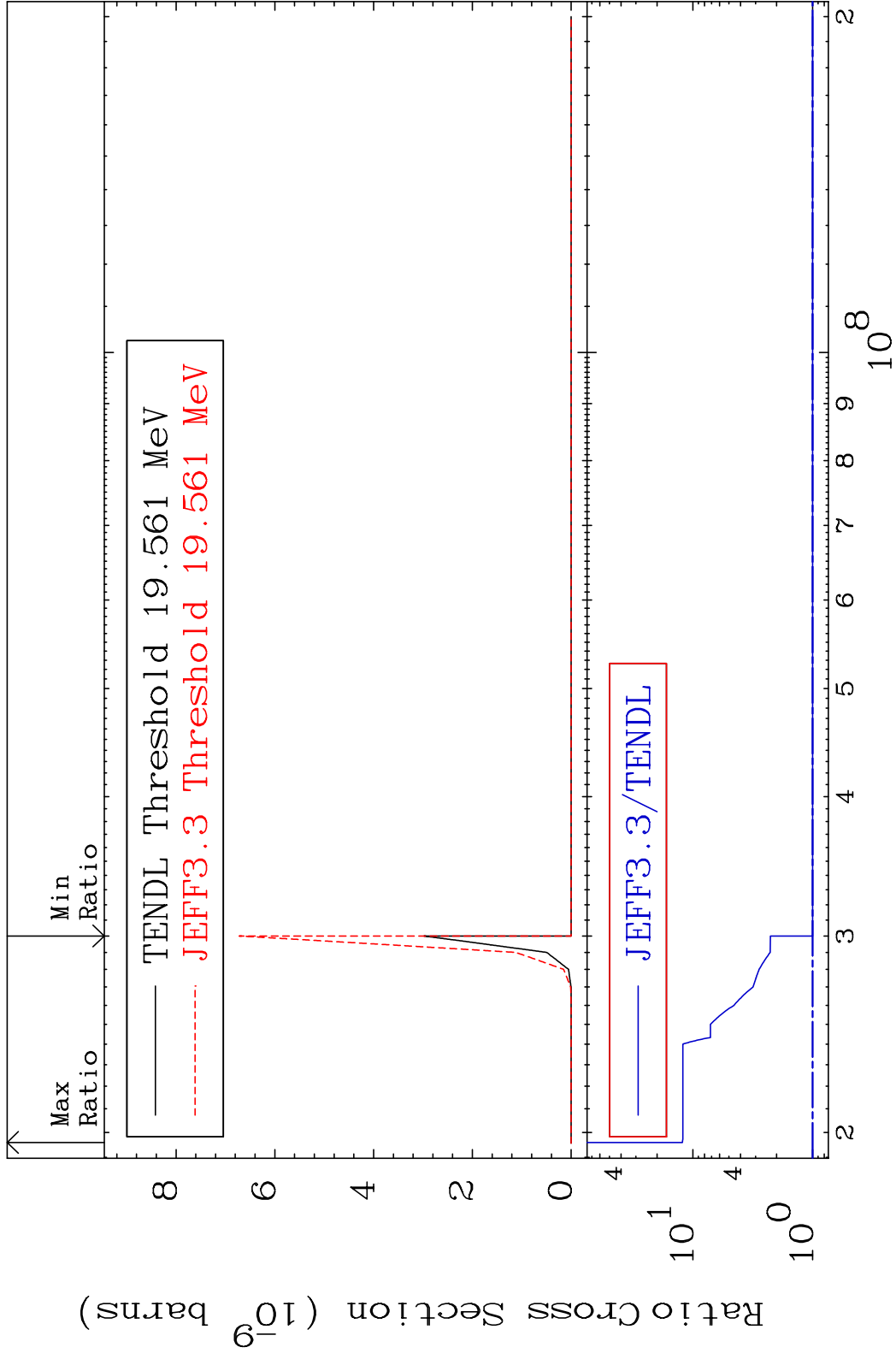
MAT 5137 (n, 4n):51-Sb-122m5 51-Sb-125  
 Radionuclide Production Cross Section Ratio 3103. %

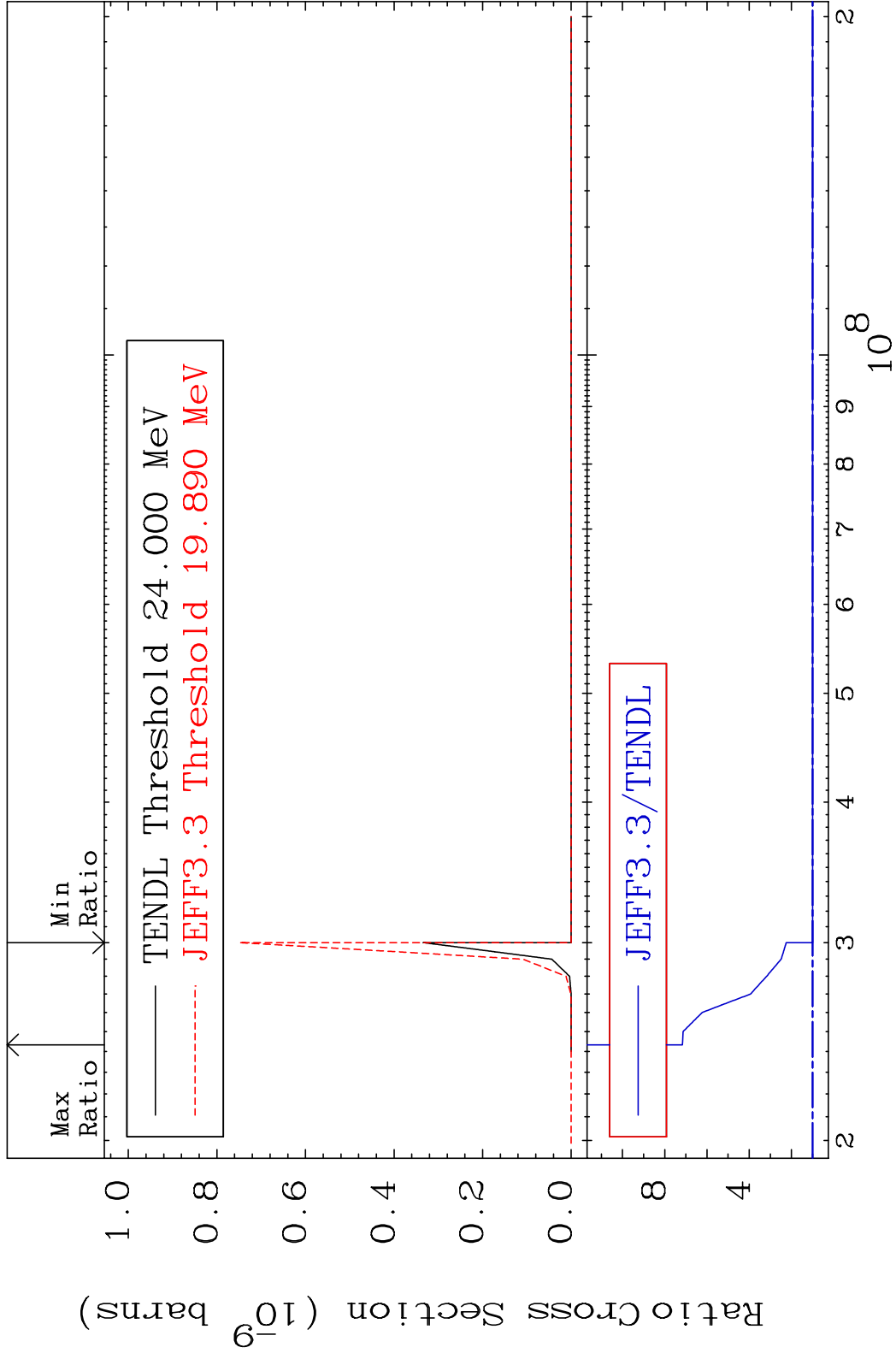


75 Incident Energy (MeV) 51-Sb-125

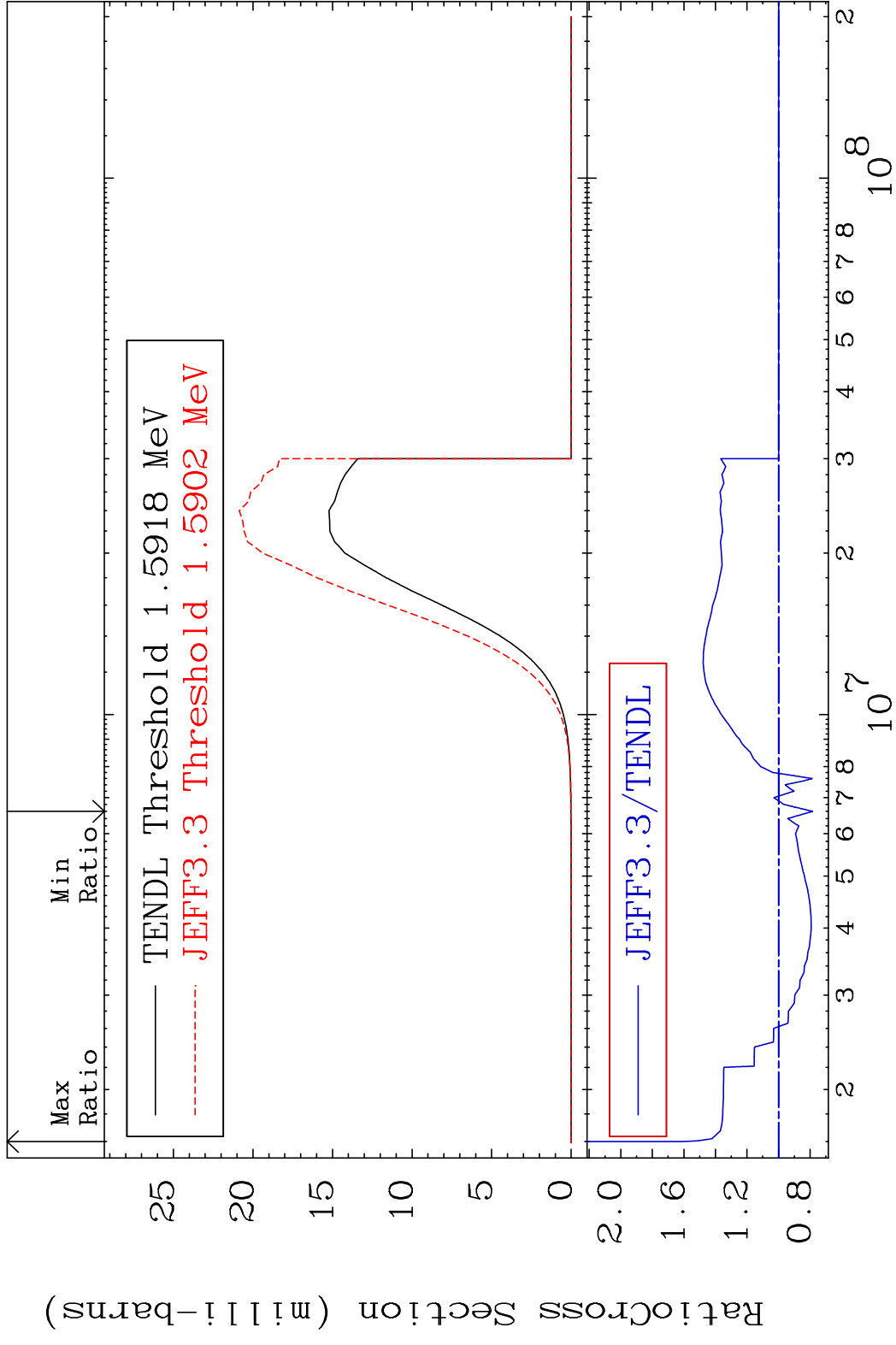




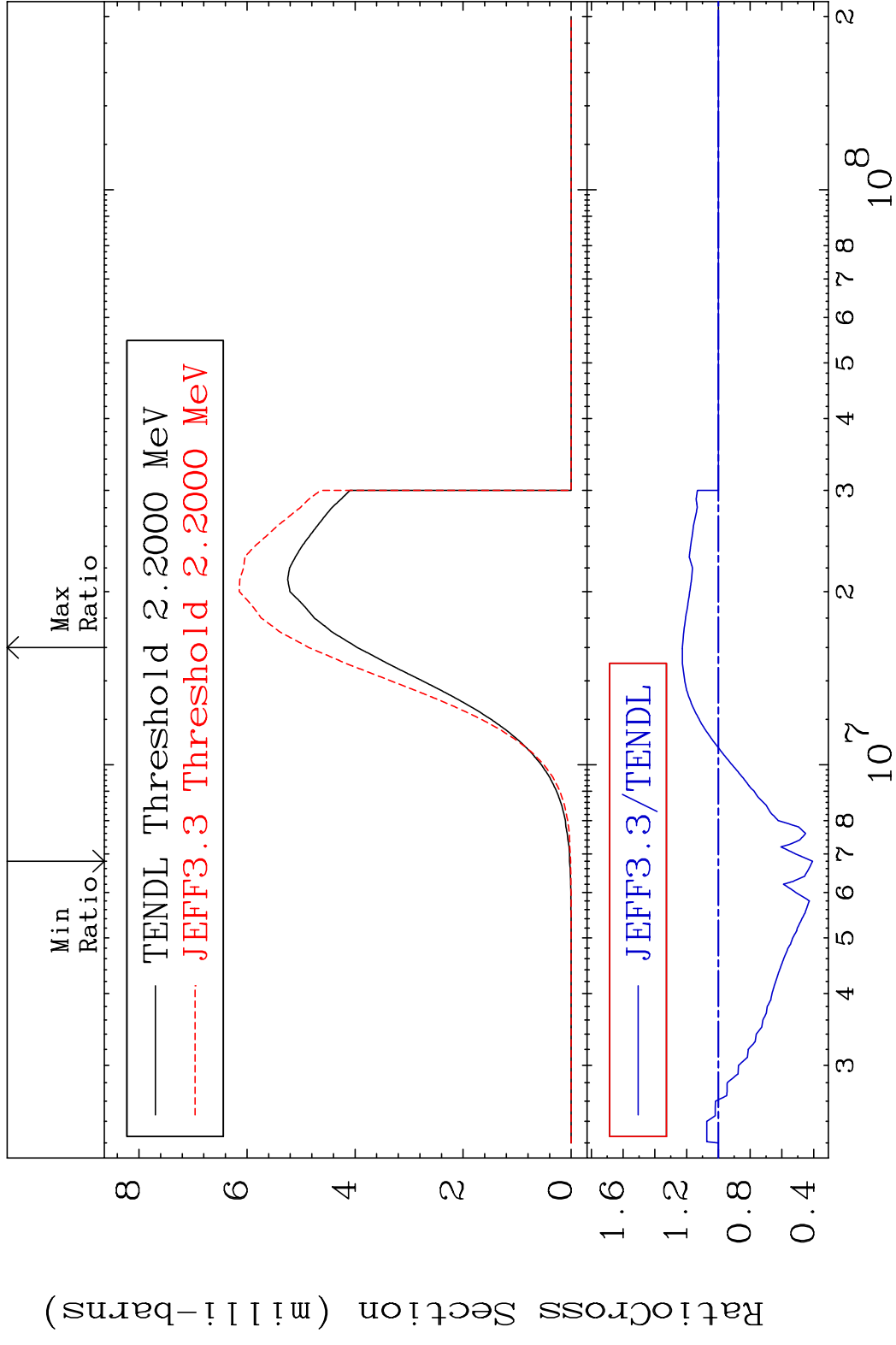


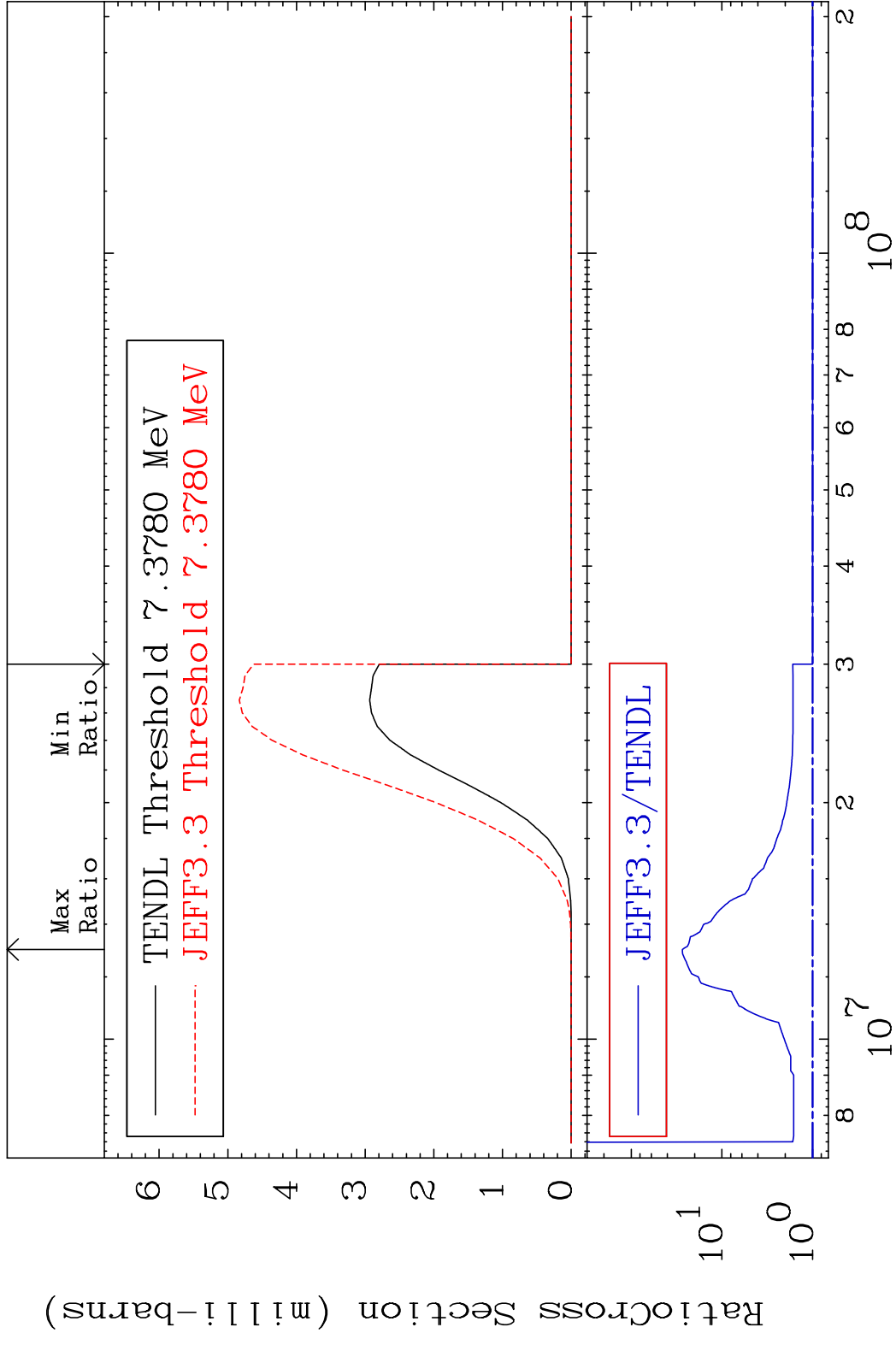


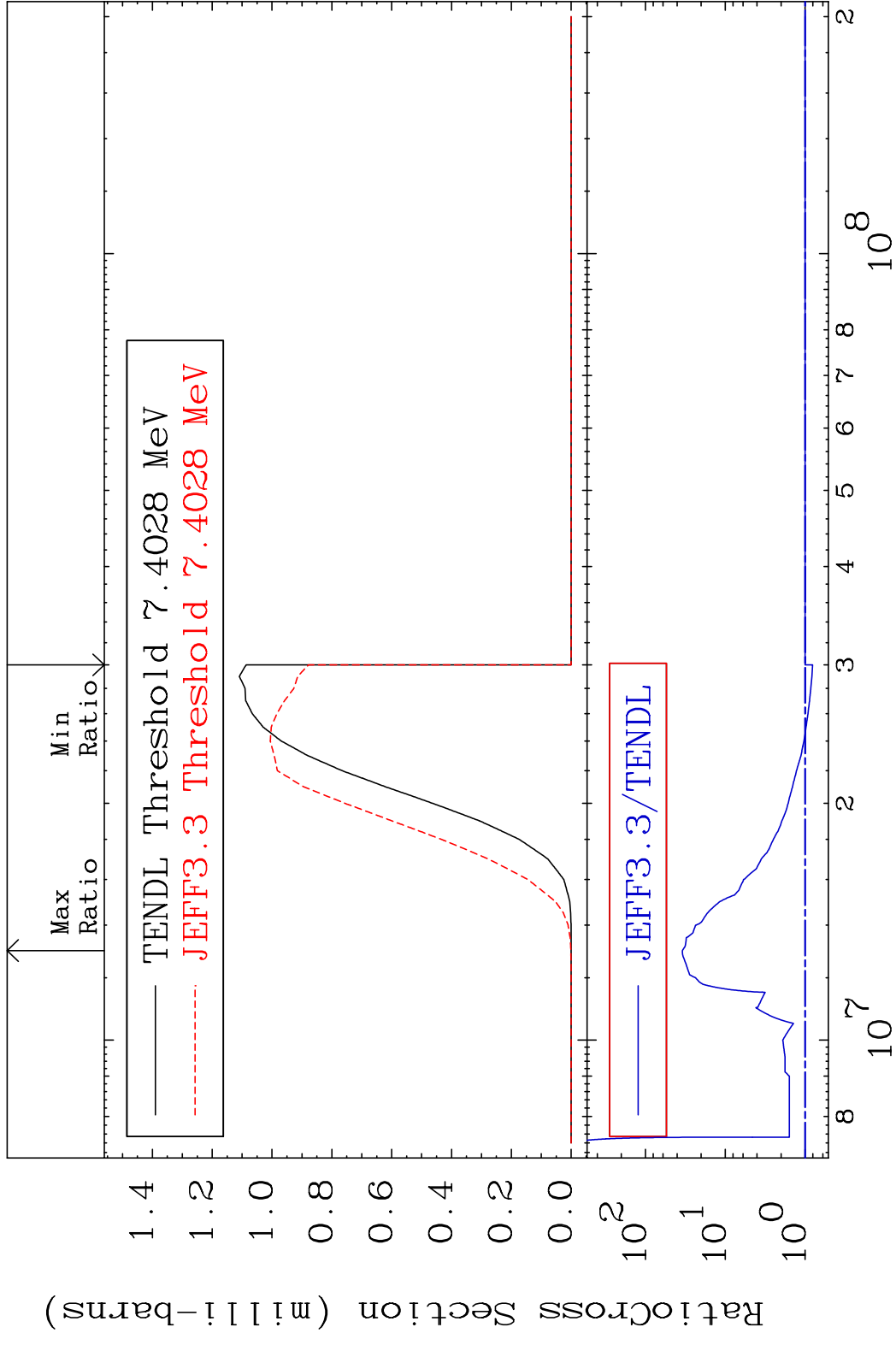


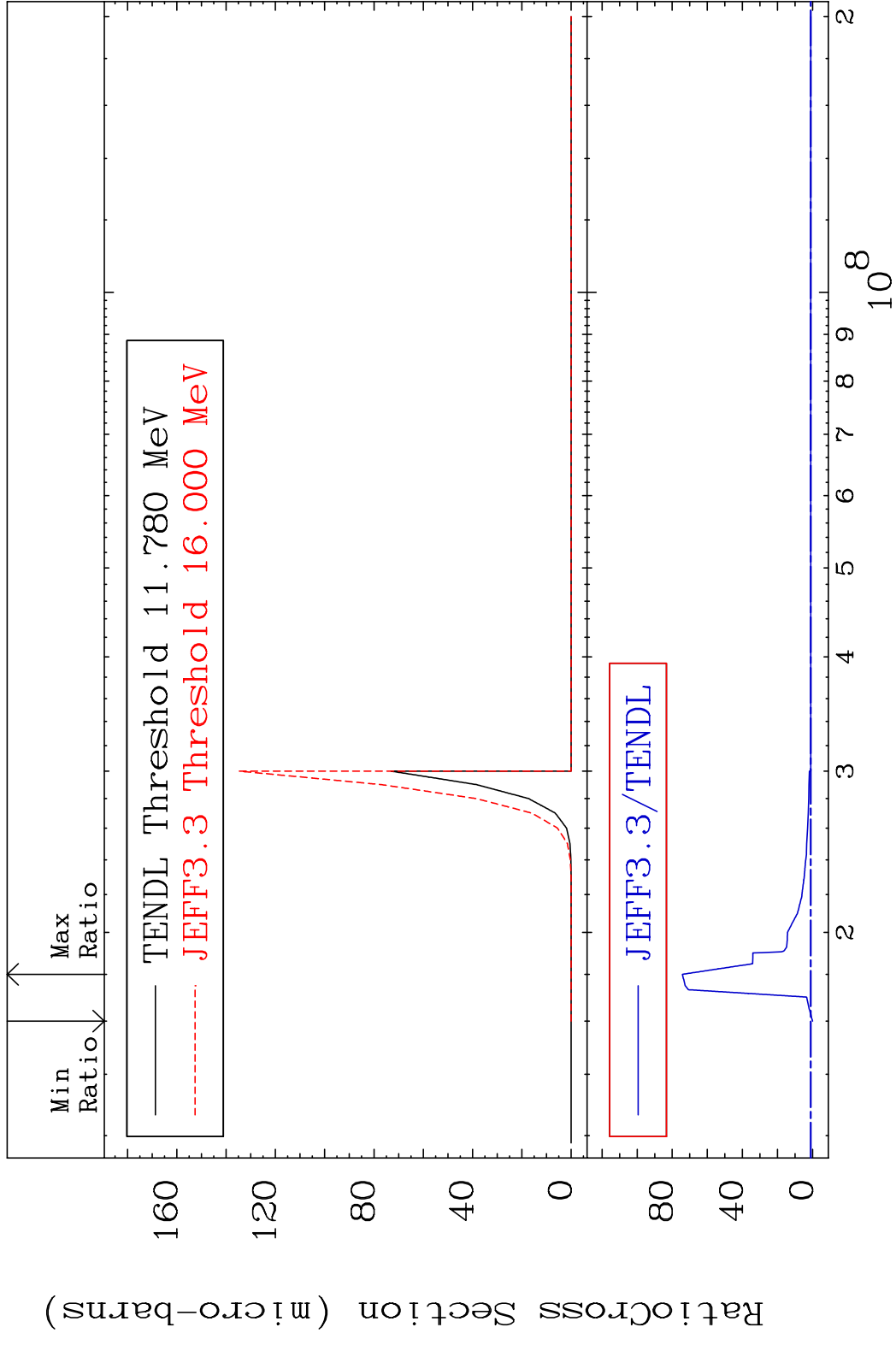


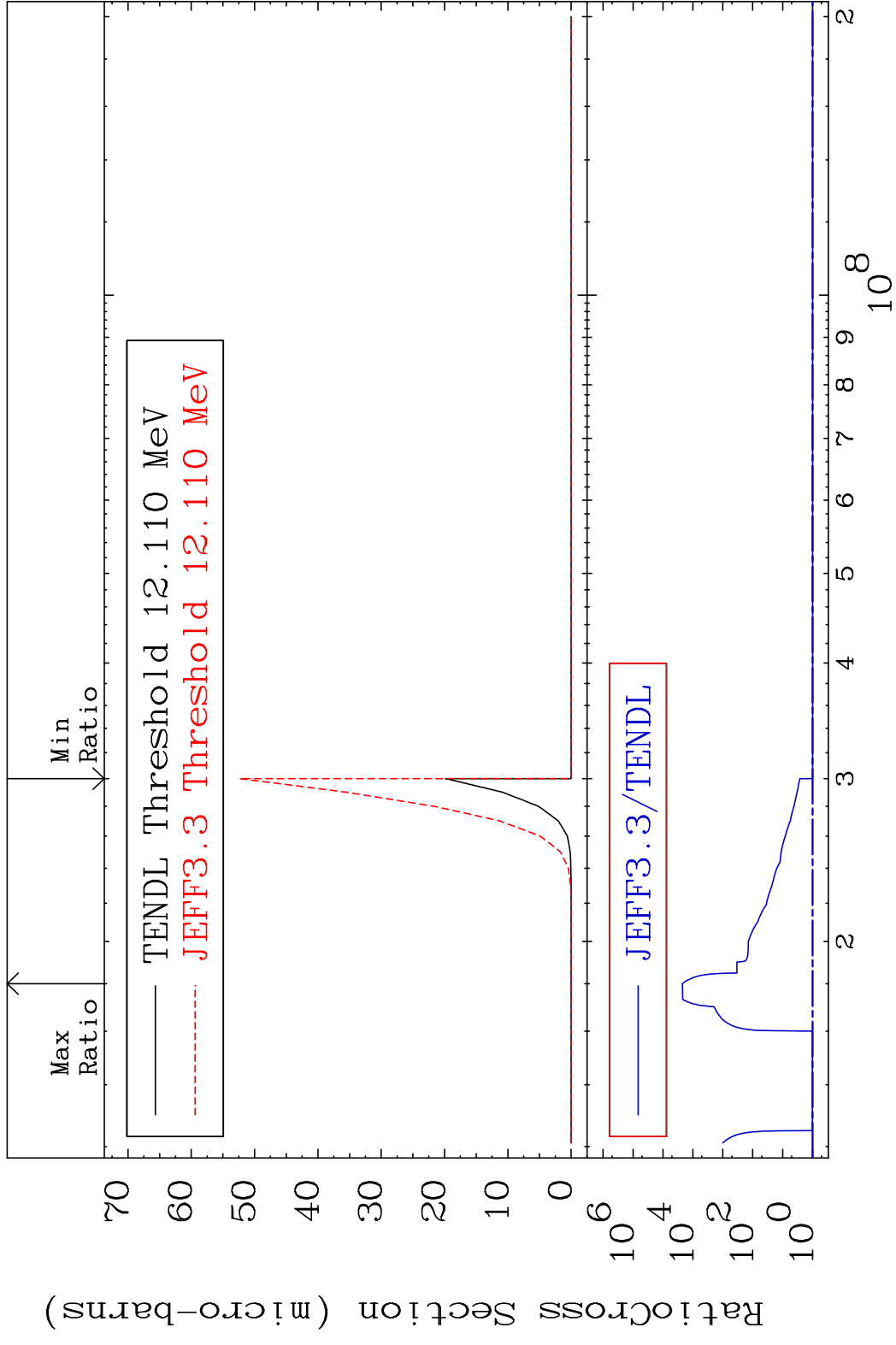
MAT 5137 (n, p):50-Sn-125m1 51-Sb-125  
 Radionuclide Production Cross Section 58.29 dth 22.68 %

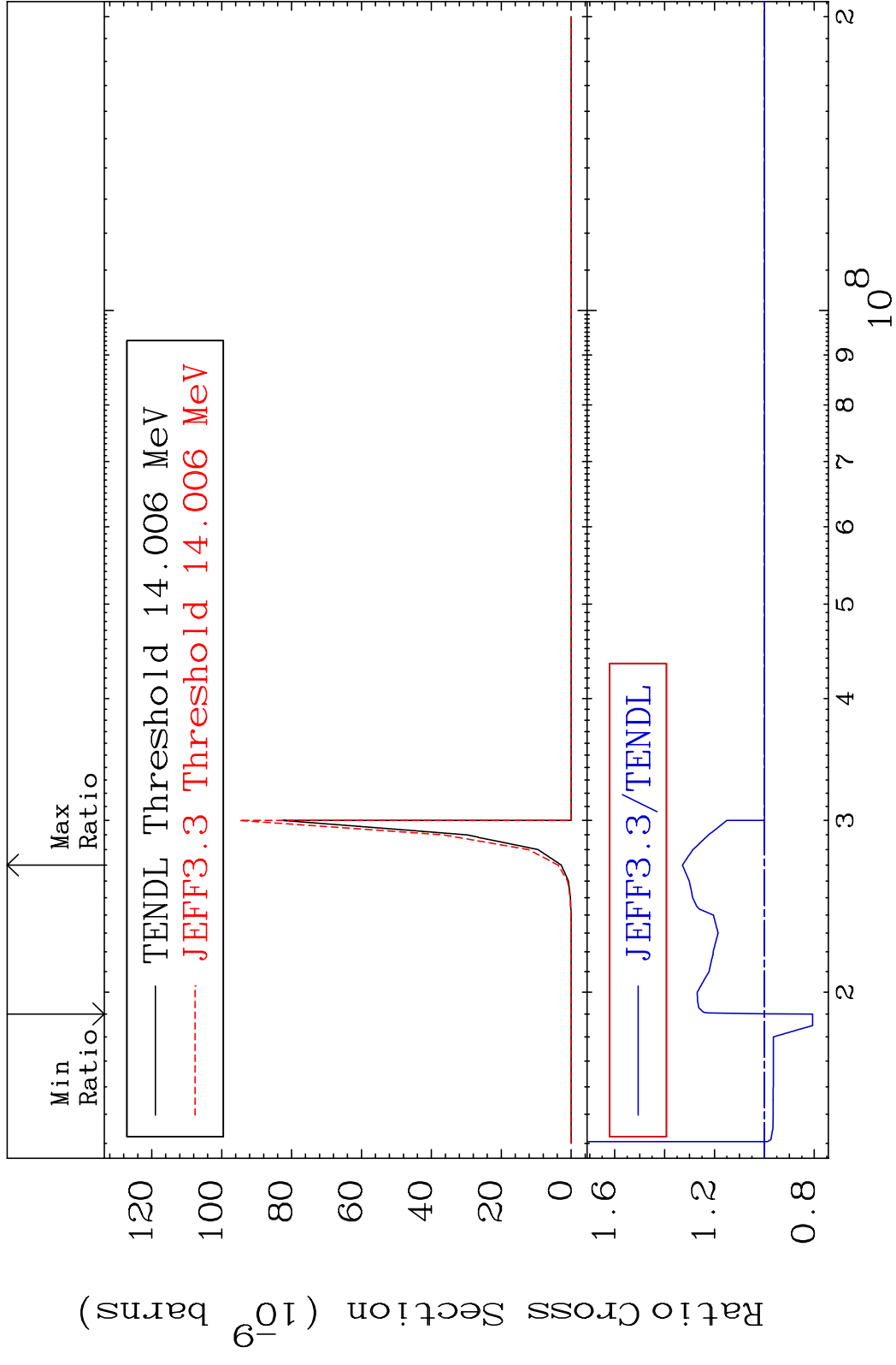


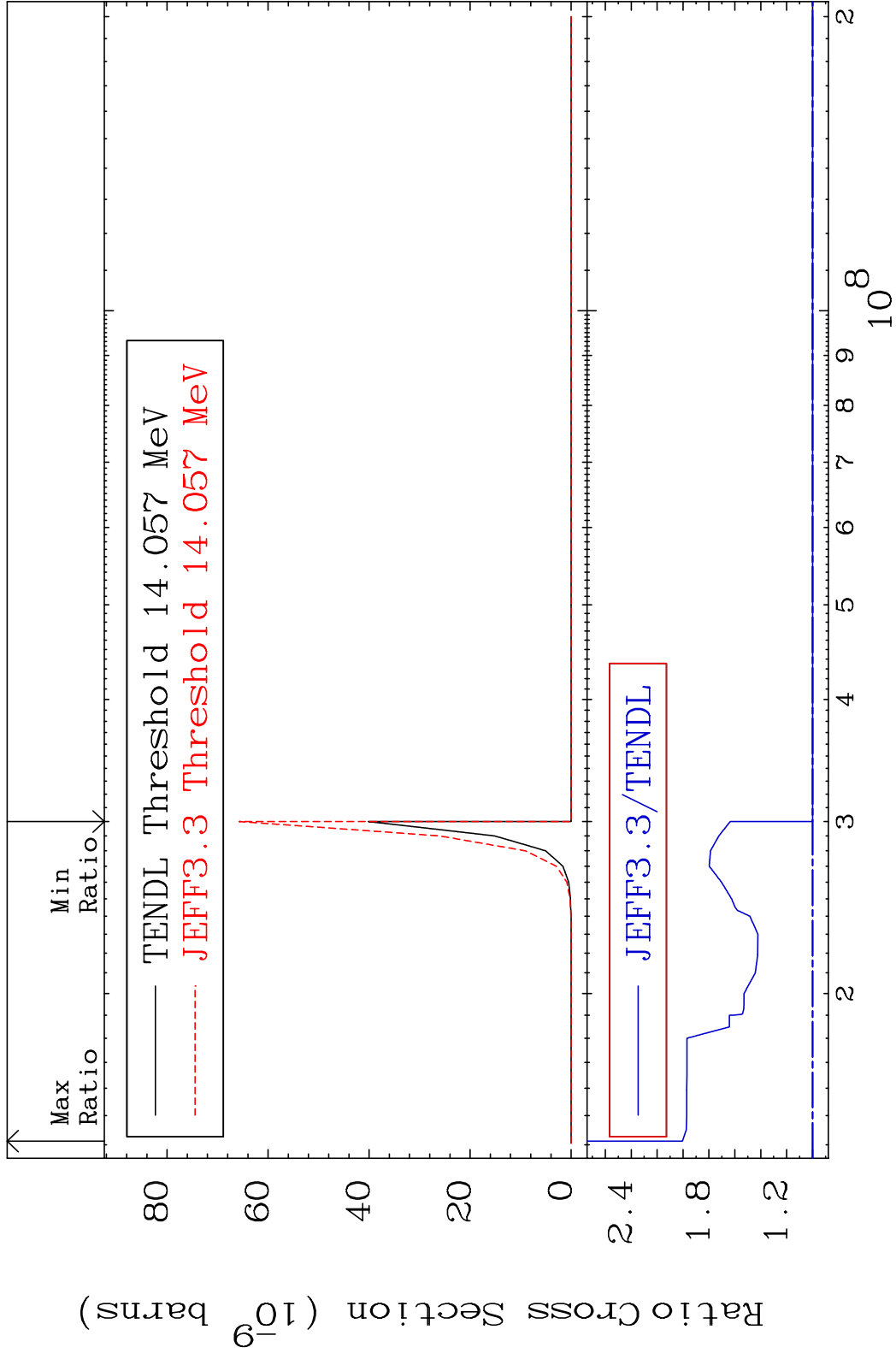




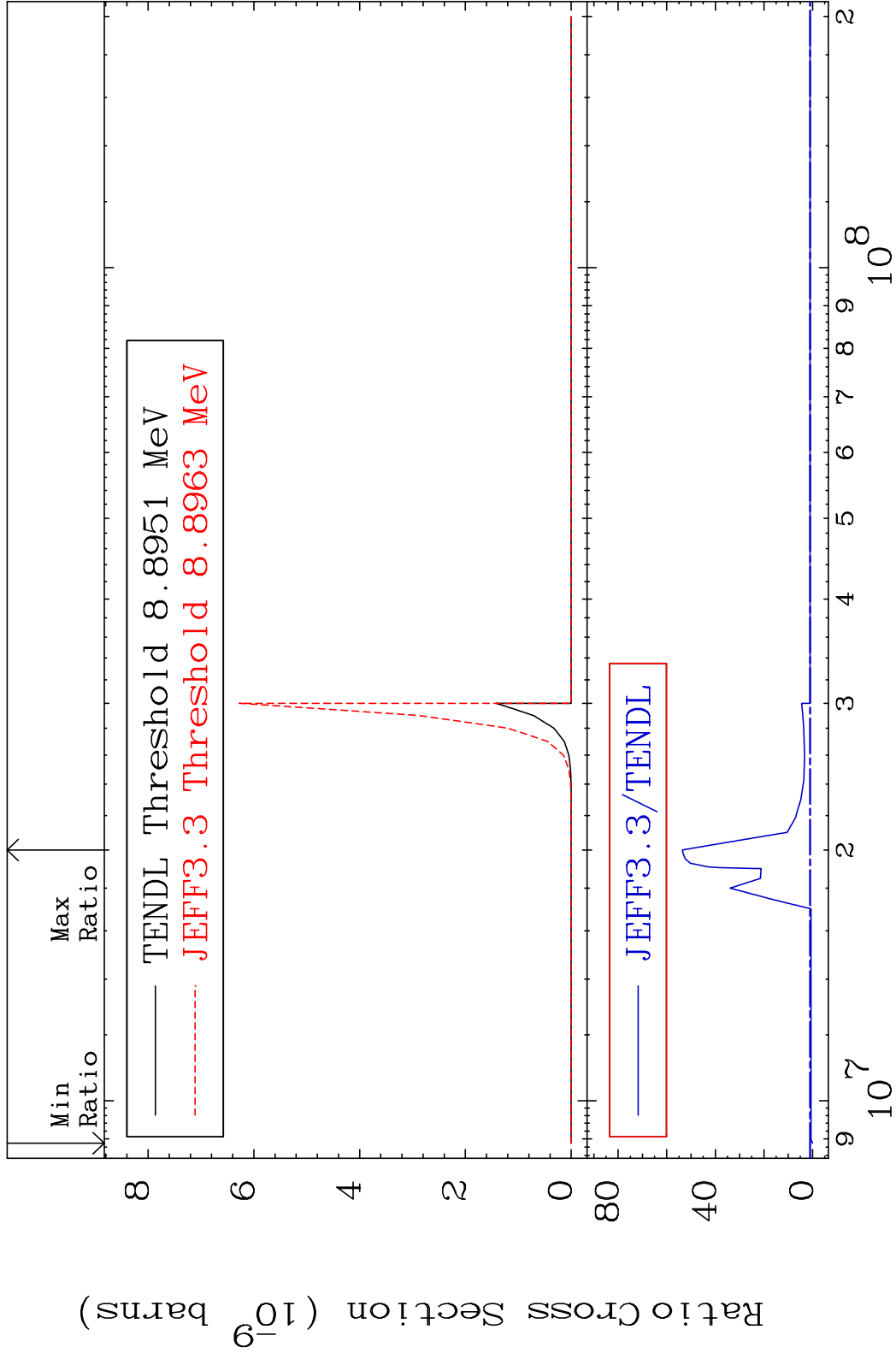












MAT 5137 (n, p)  $\alpha$ :48-Cd-121m2 51-Sb-125  
 Radionuclide Production Cross Section Ratio 3636. %

