

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

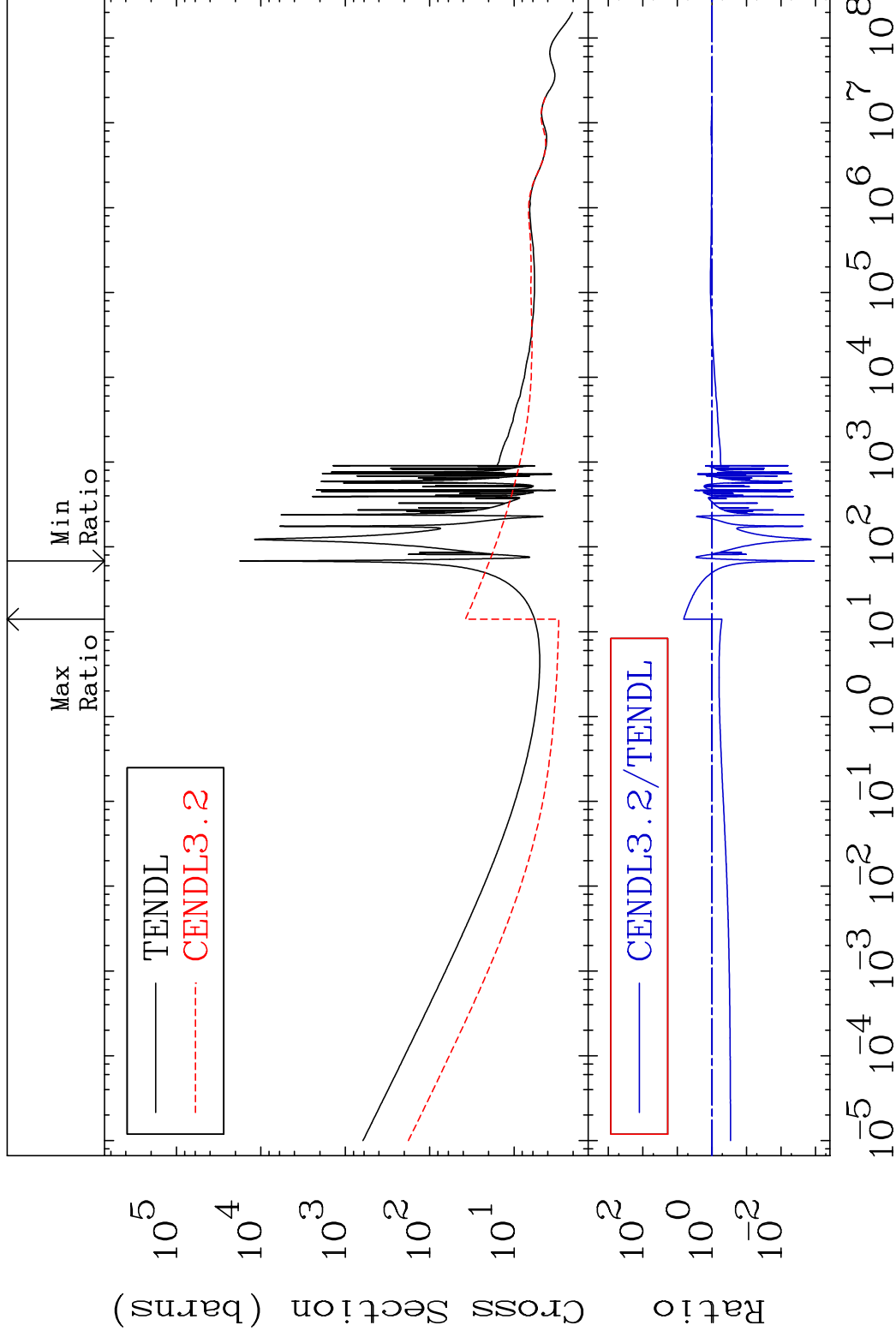
MAT 5137

Total

51-Sb-125

Cross Section

-99.89 To 558.4 %



1

Incident Energy (eV)

51-Sb-125

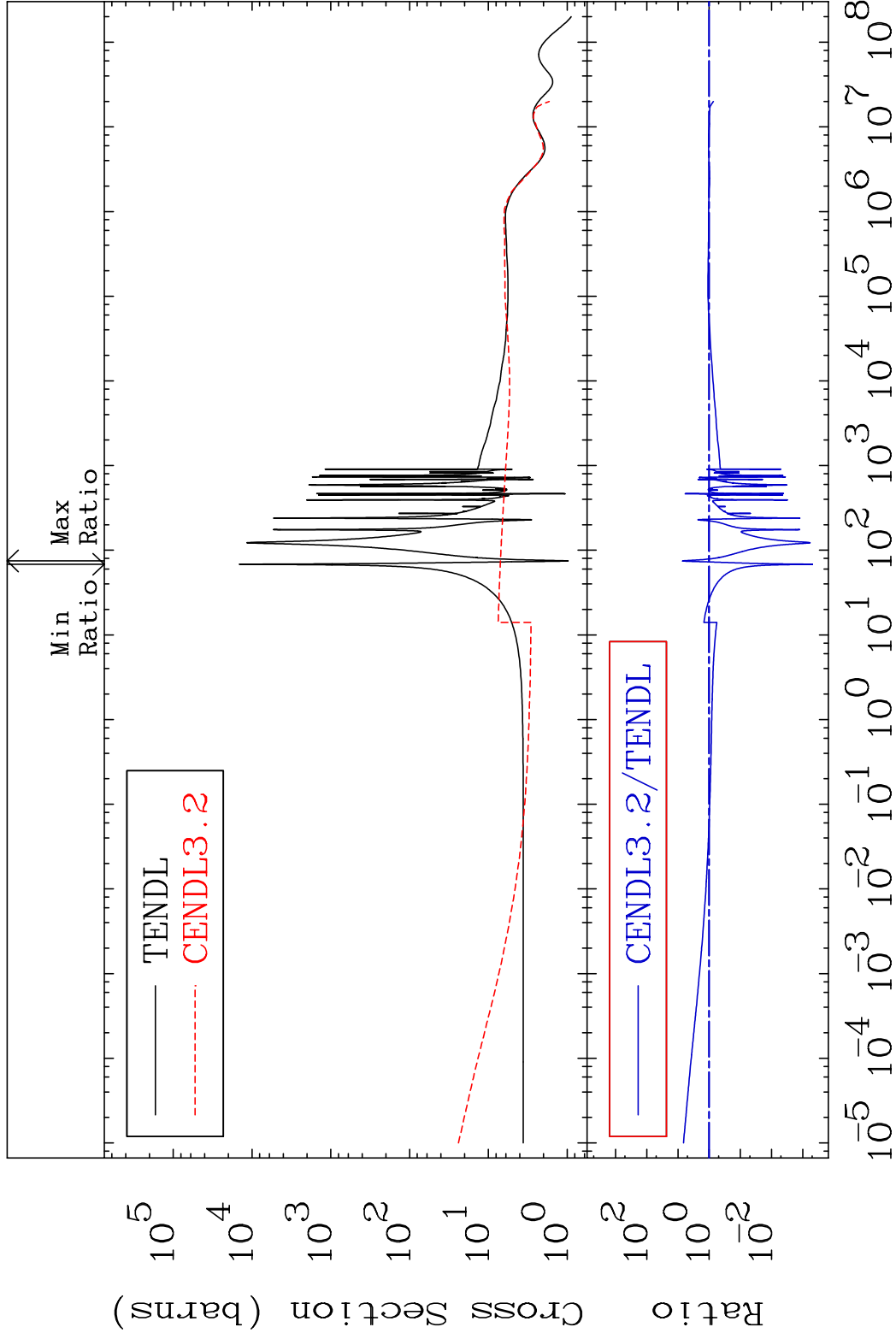
MAT 5137

Elastic

51-Sb-125

Cross Section

-99.95 To 622.8 %



2

Incident Energy (eV)

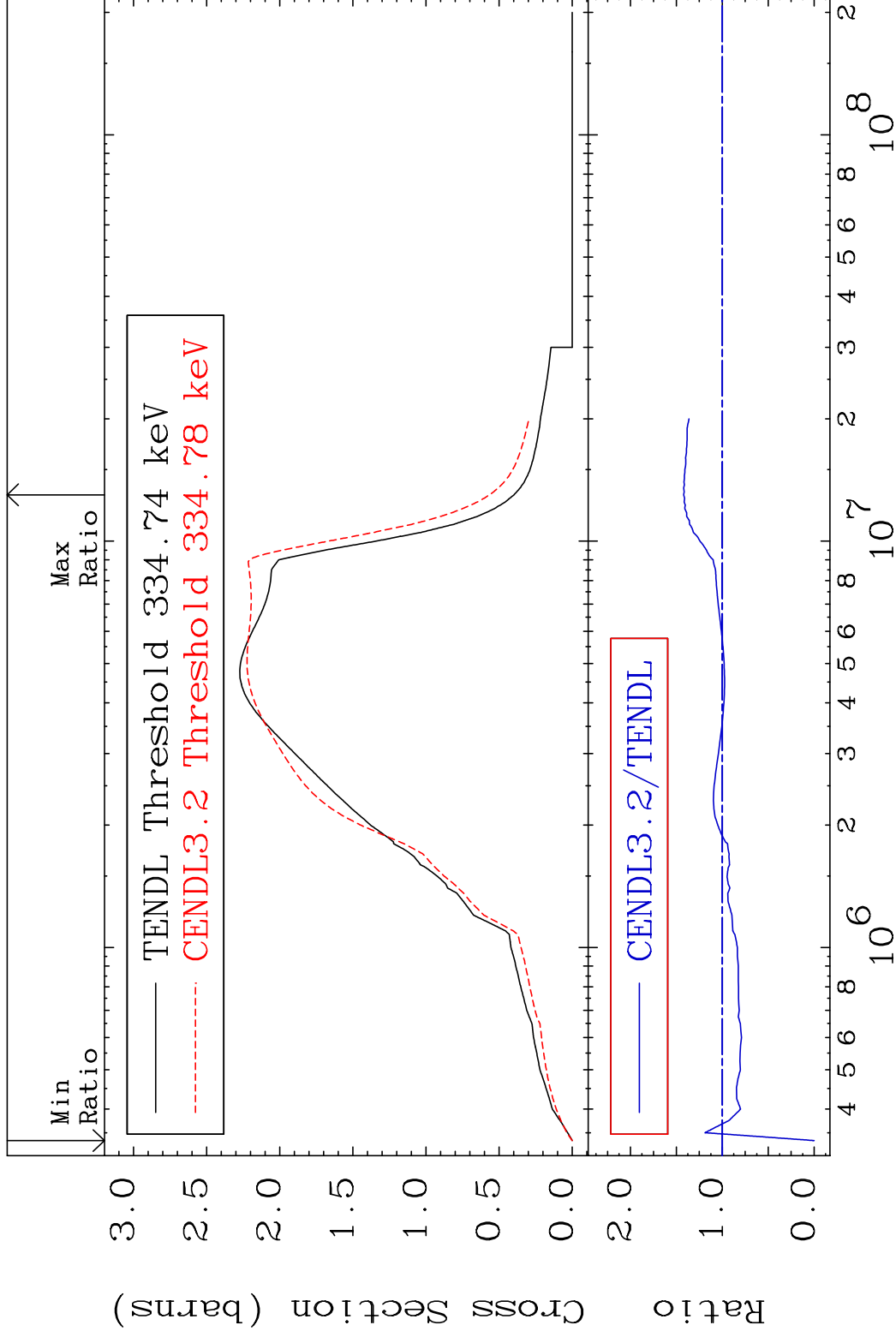
51-Sb-125

MAT 5137

Inelastic

51-Sb-125

Cross Section -100.0 To 42.09 %



3

Incident Energy (eV)

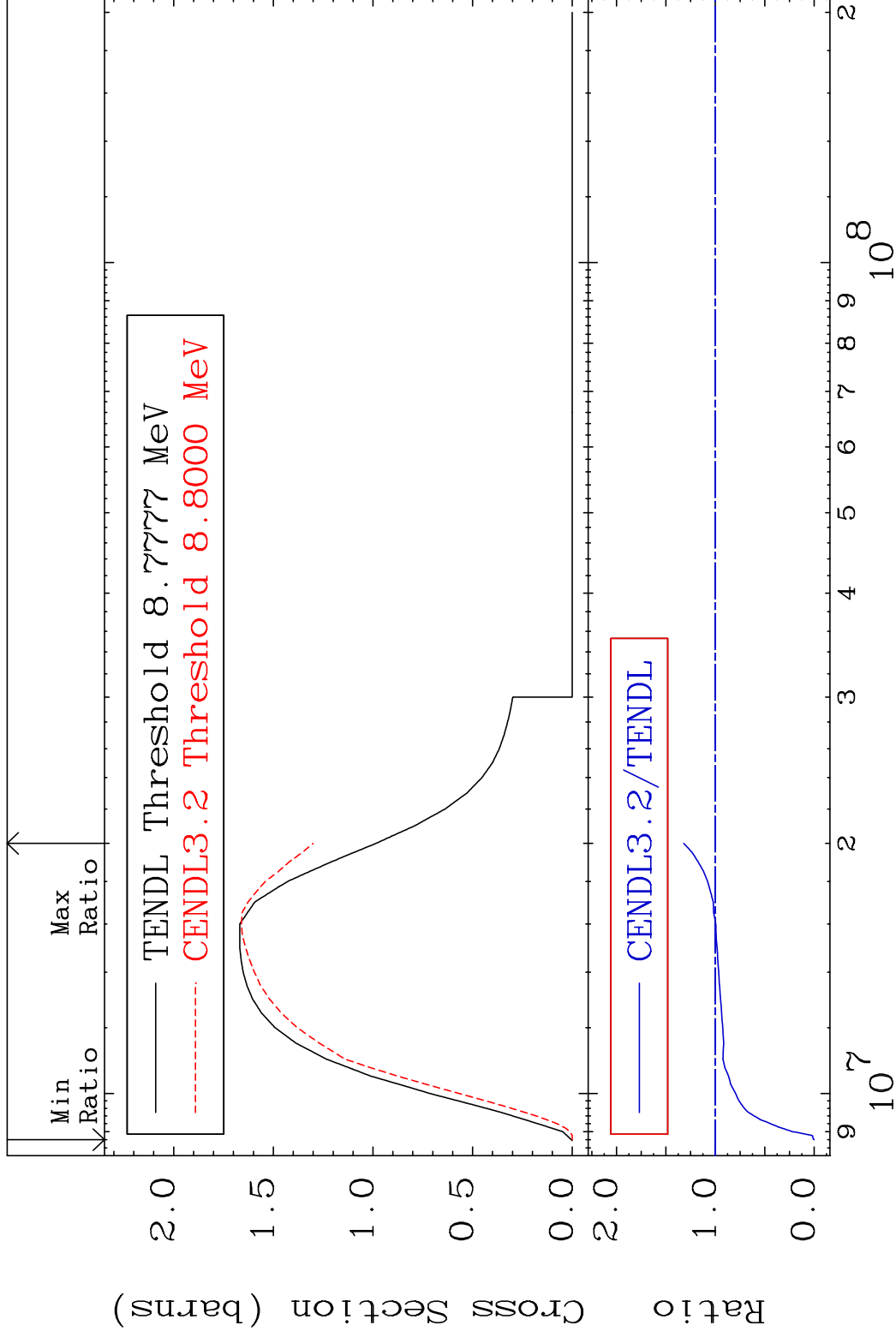
51-Sb-125

MAT 5137

(n,2n)

51-Sb-125

Cross Section -100.0 To 32.05 %



4

Incident Energy (eV)

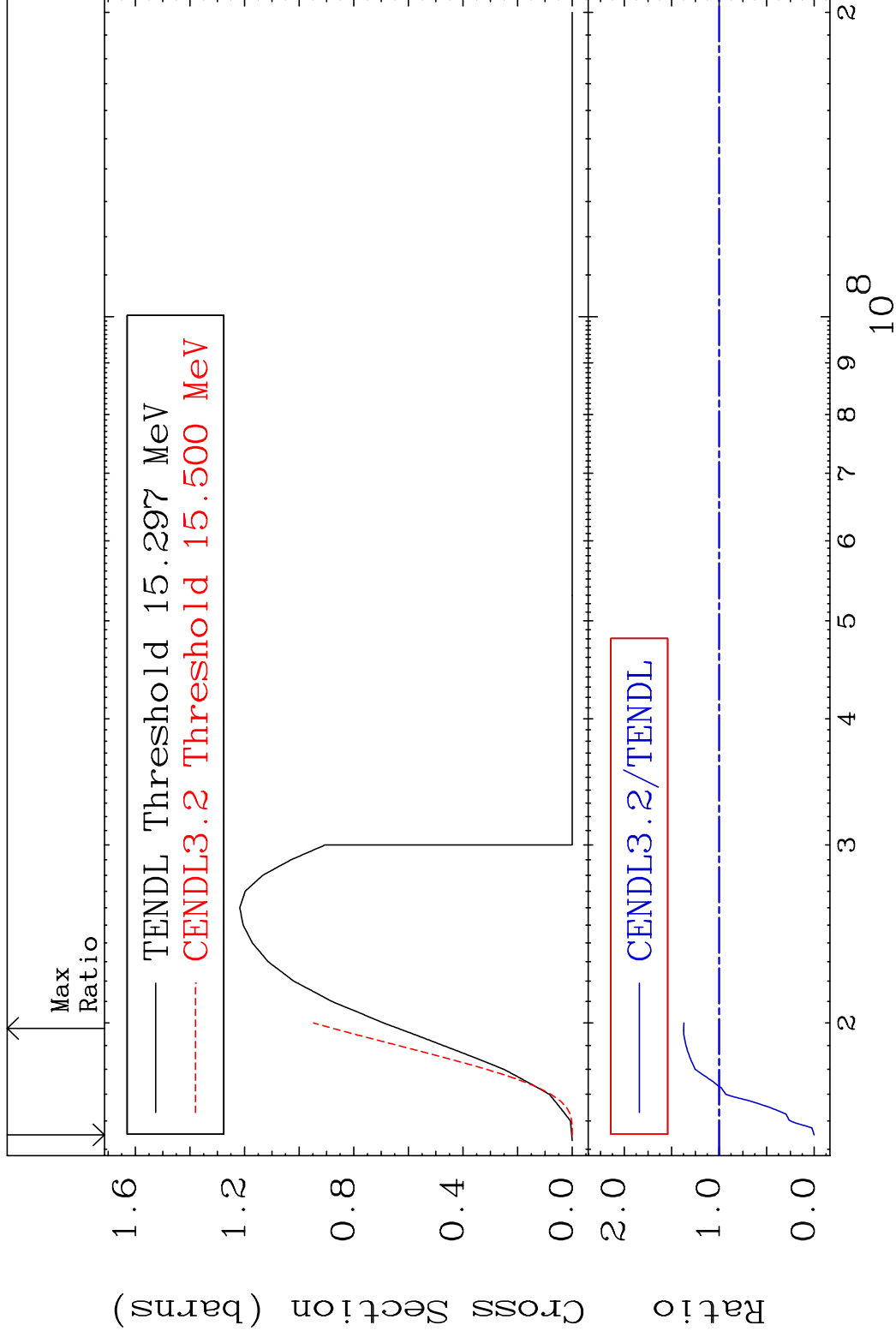
51-Sb-125

MAT 5137

(n,3n)

51-Sb-125

Cross Section -100.0 To 37.38 %



5

Incident Energy (eV)

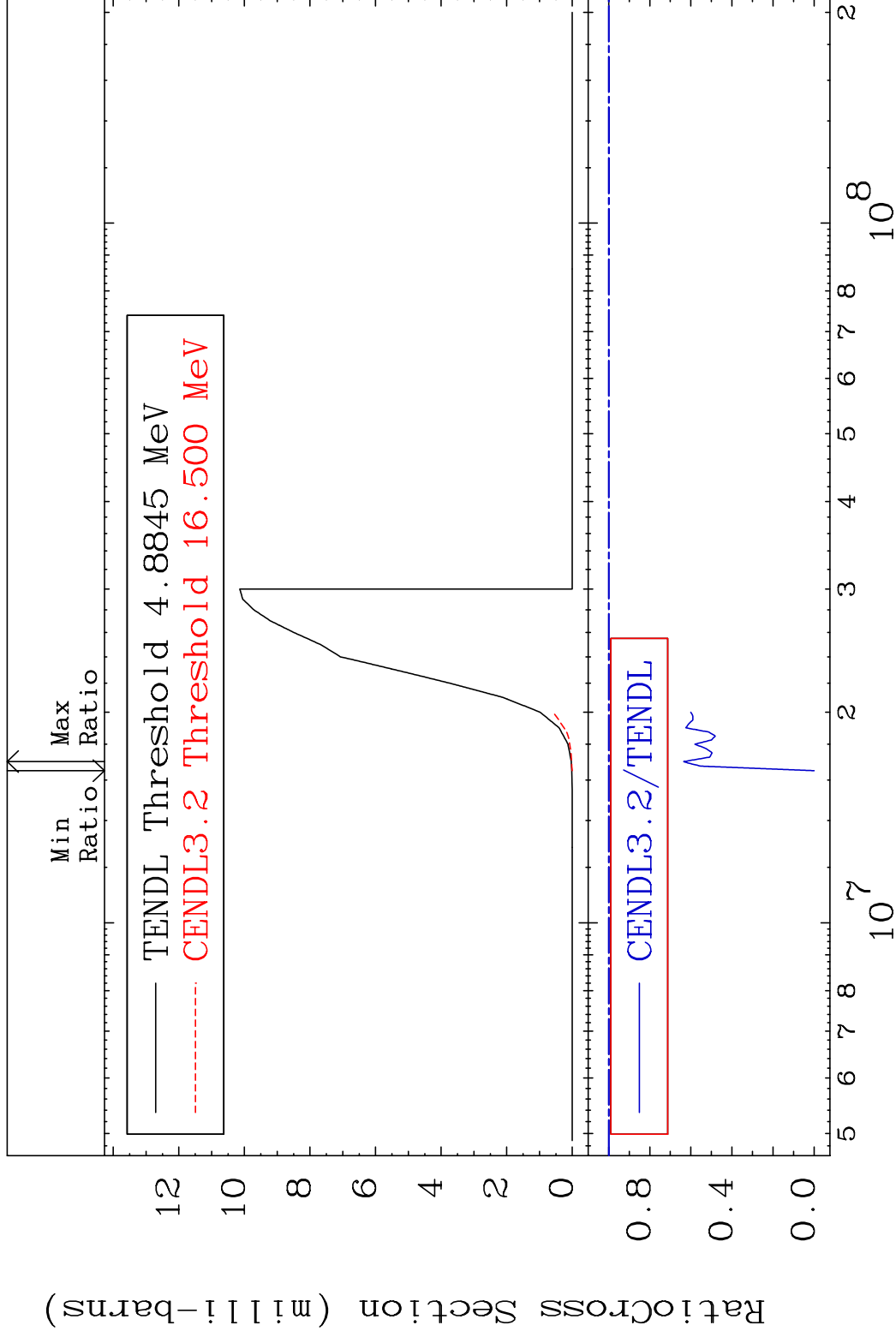
51-Sb-125

MAT 5137

(n, n') α

51-Sb-125

Cross Section -100.0 To -36.49%



6

Incident Energy (eV)

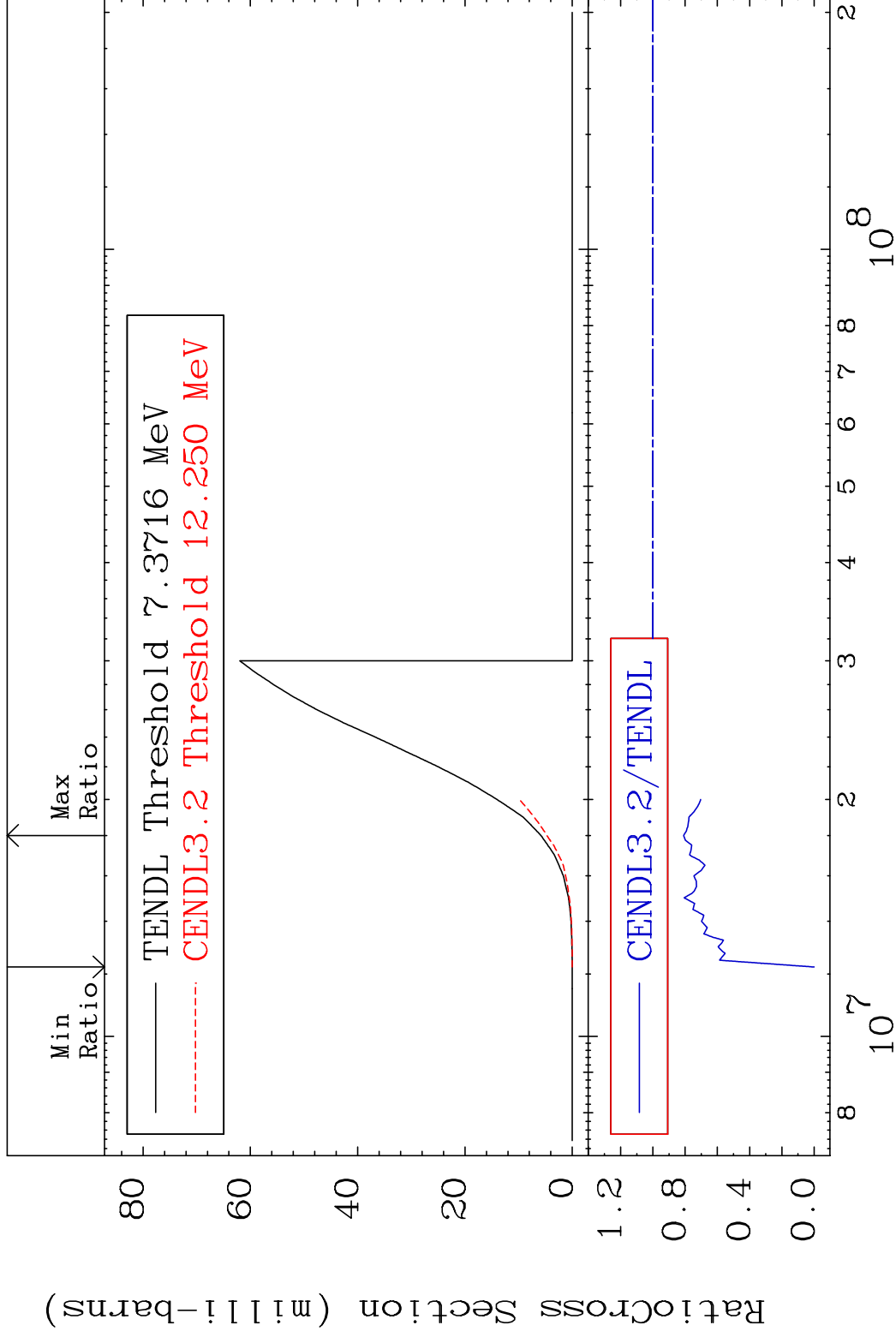
51-Sb-125

MAT 5137

(n, n') p

51-Sb-125

Cross Section -100.0 To -19.09%

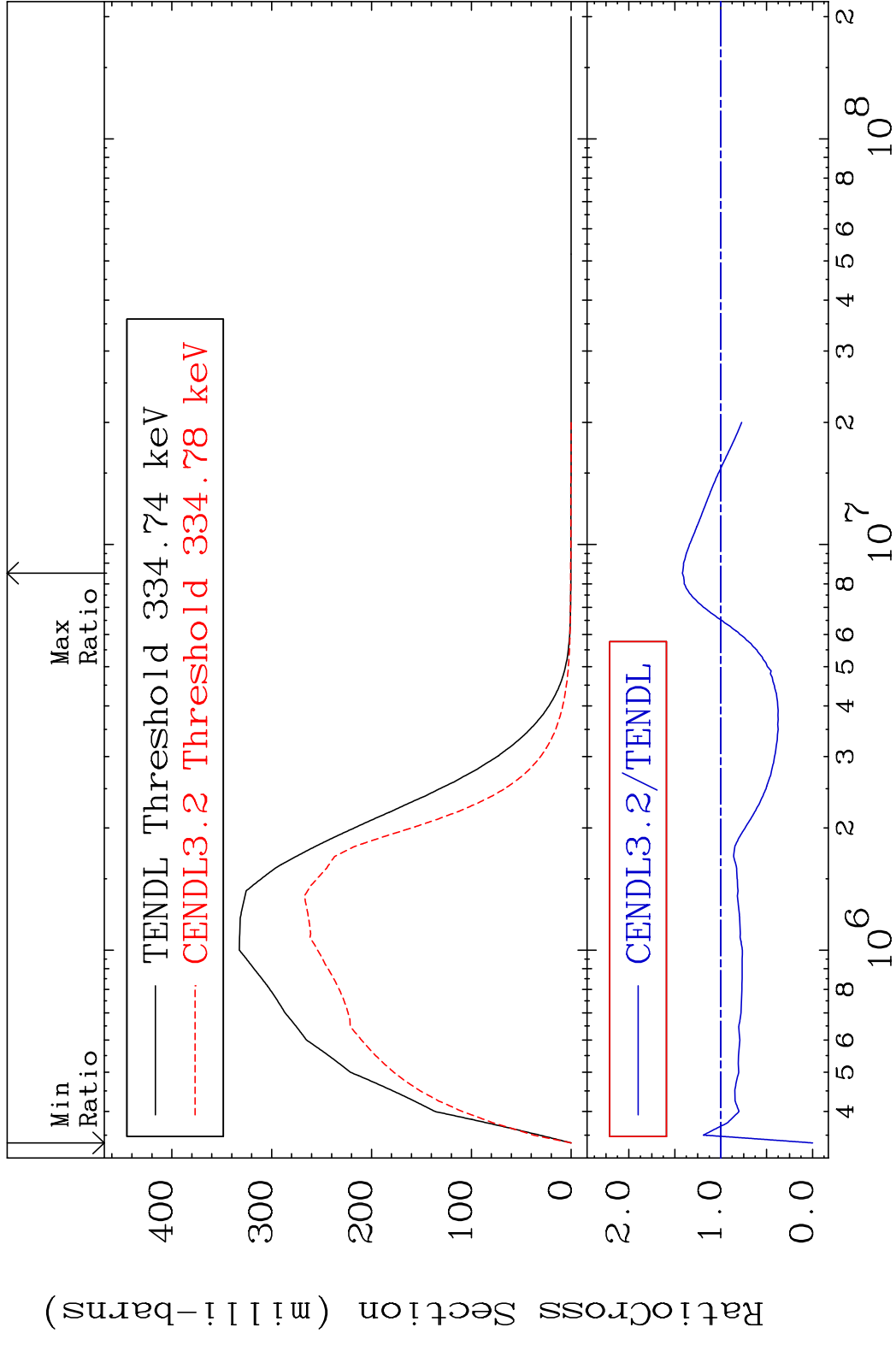


7

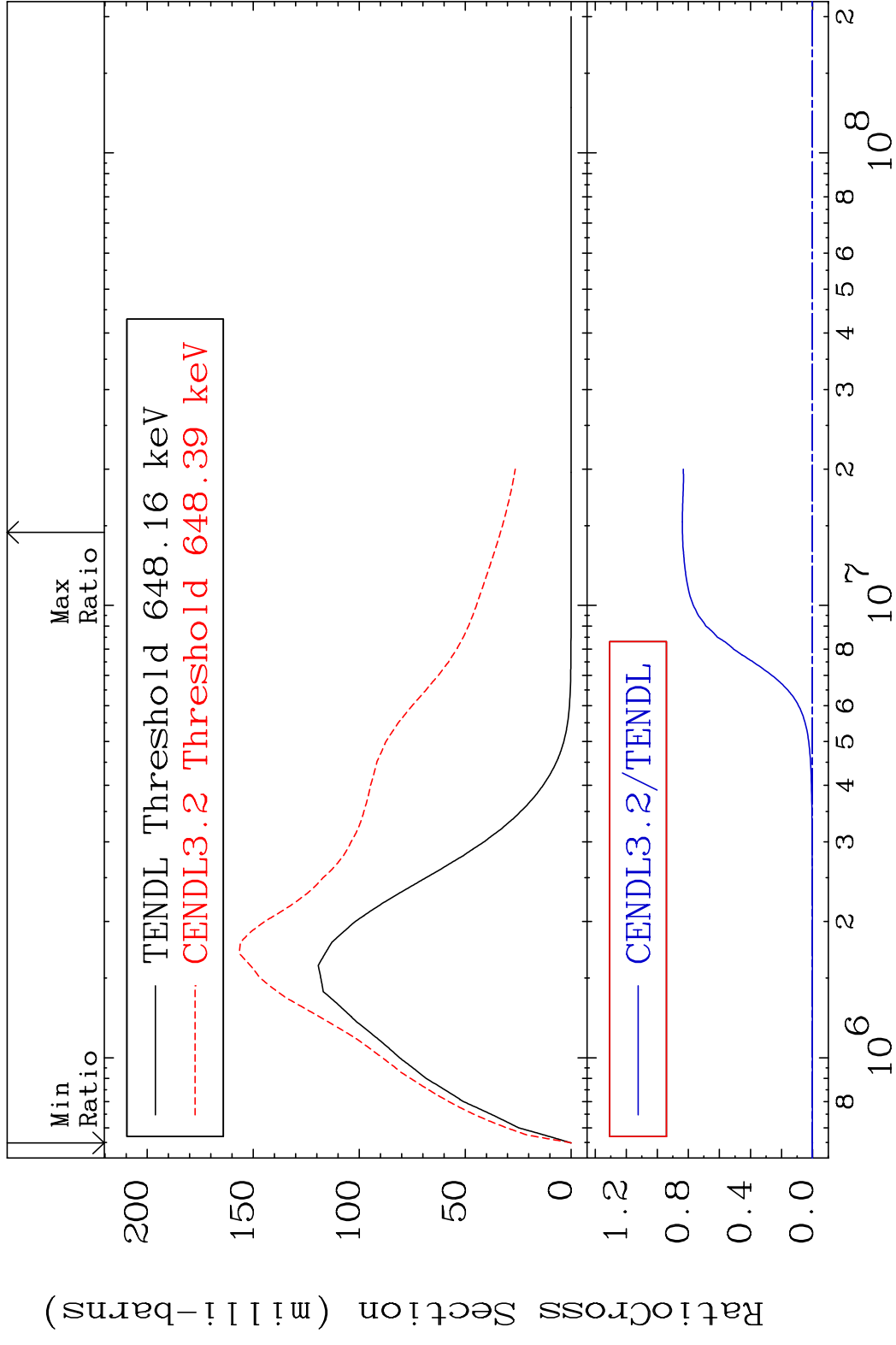
Incident Energy (eV)

51-Sb-125

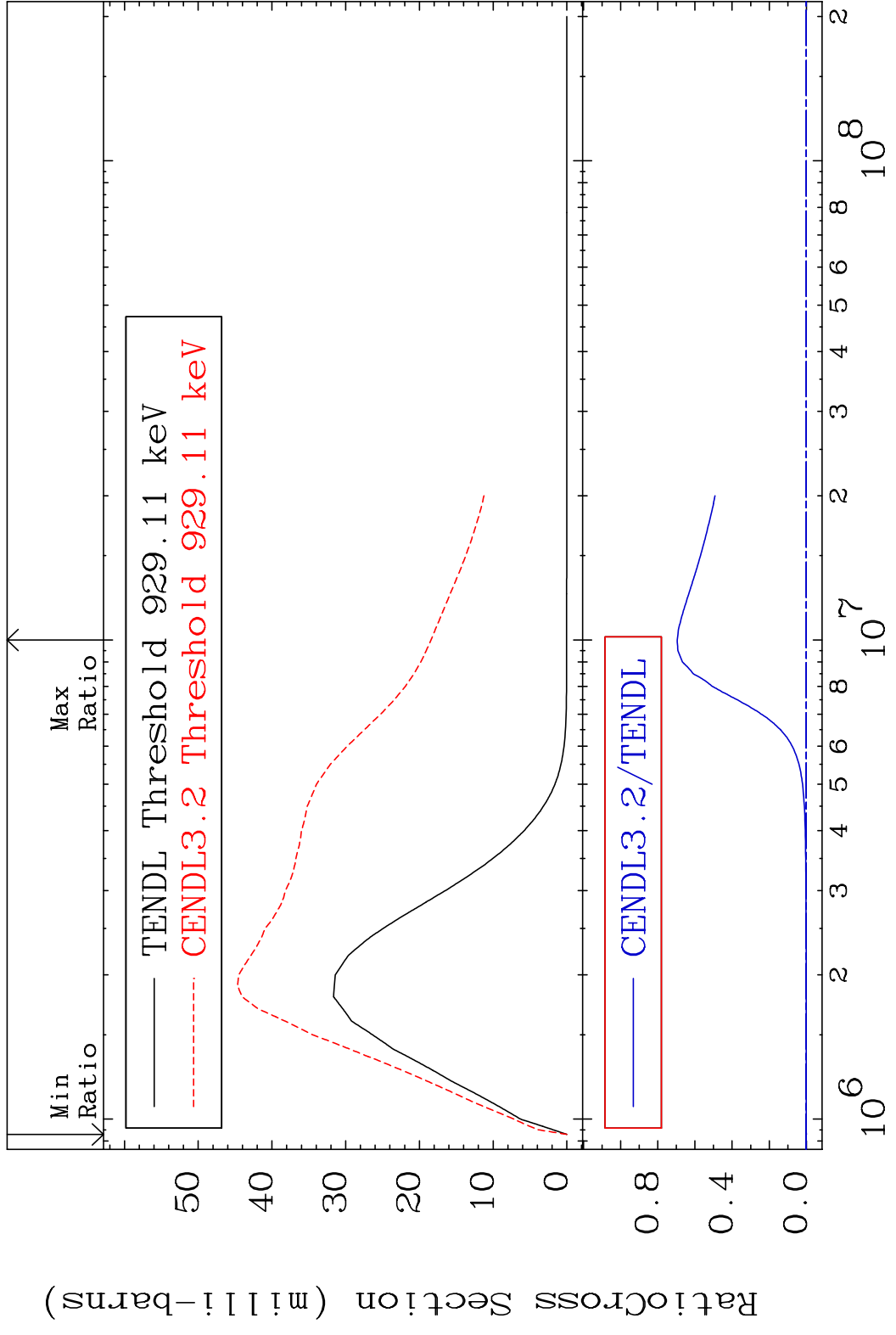
MAT 5137 MT= 51 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 41.77 %



MAT 5137 MT= 52 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 9999. %

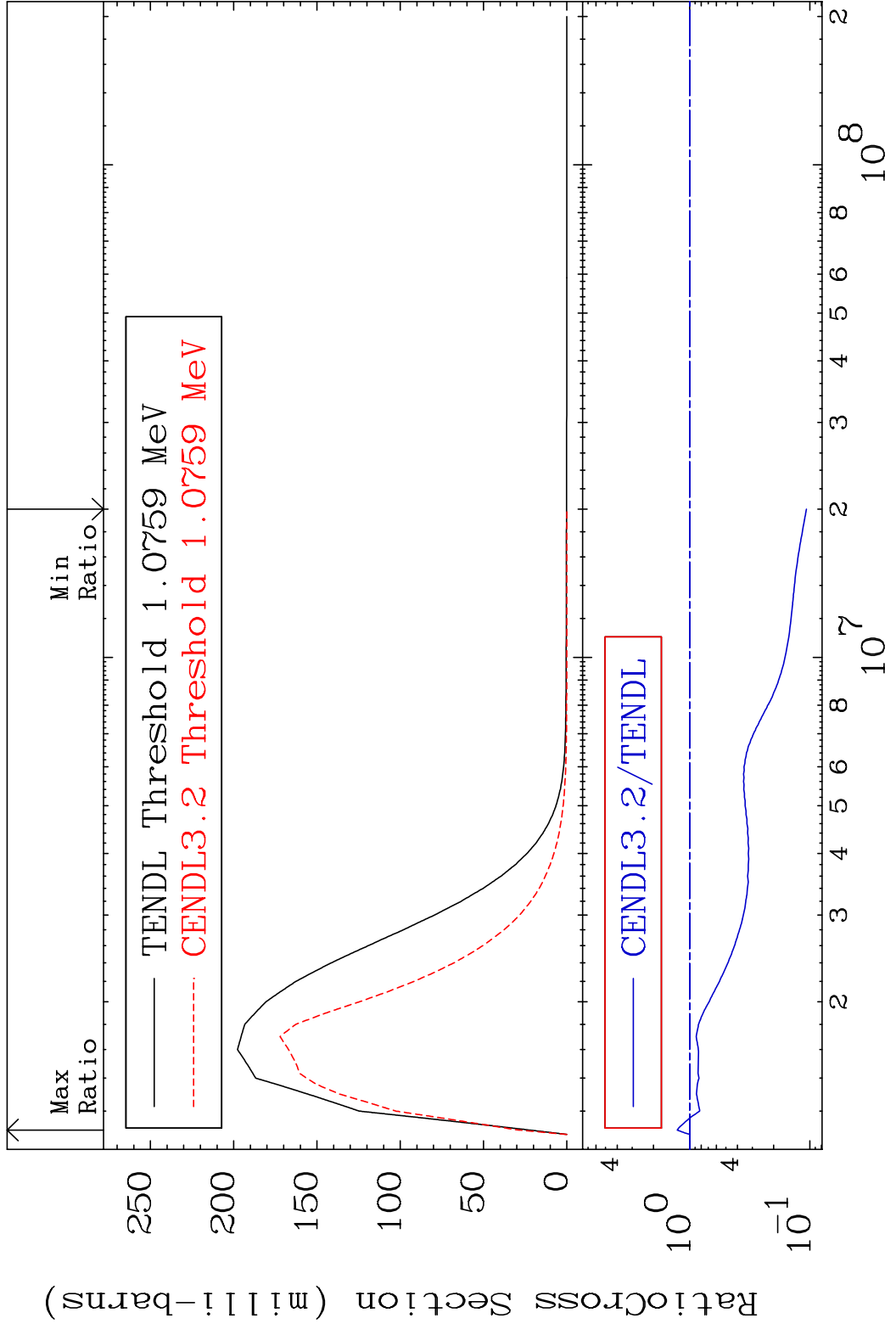


MAT 5137 MT= 53 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 9999. %

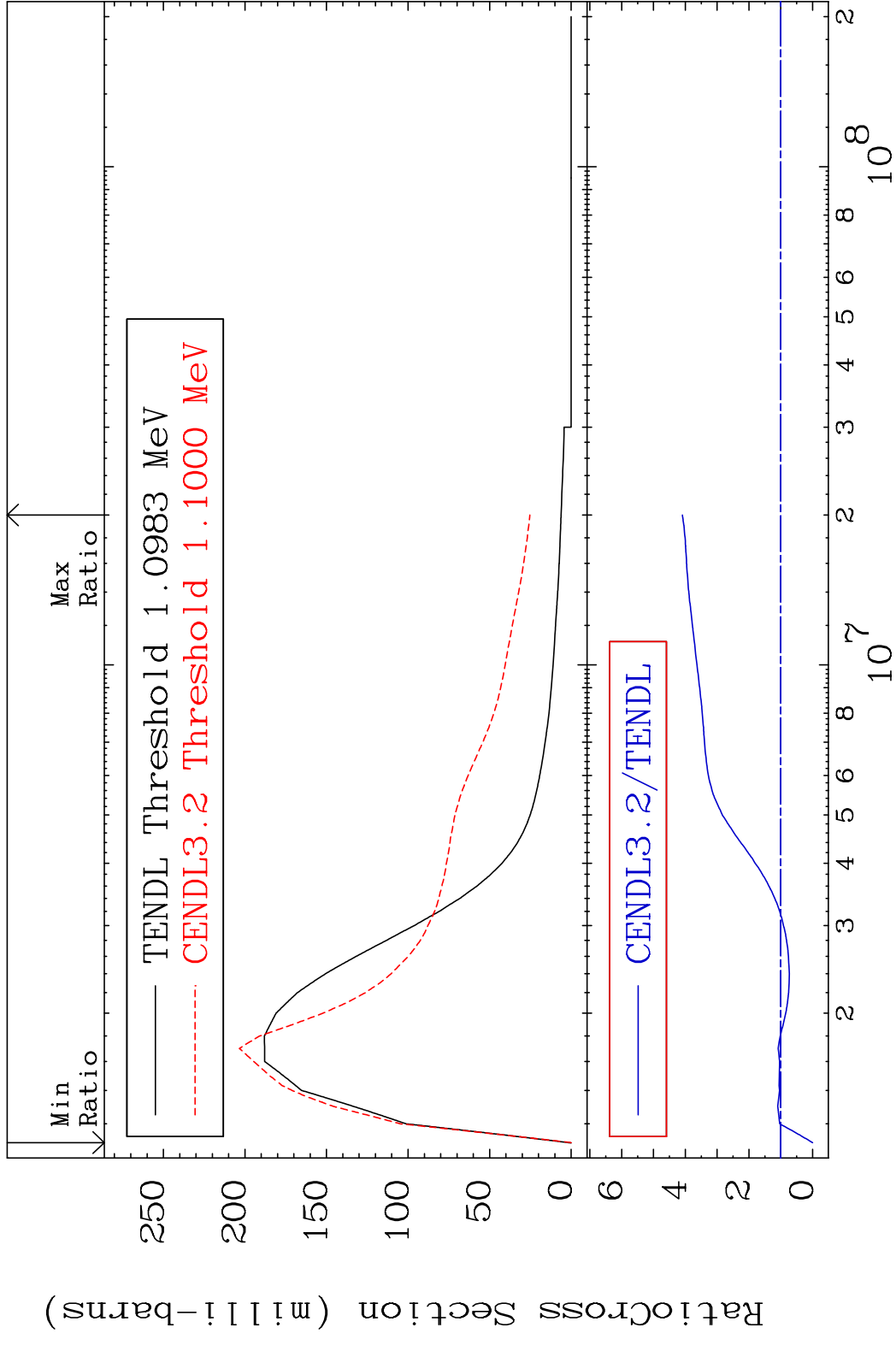


10 Incident Energy (eV) 51-Sb-125

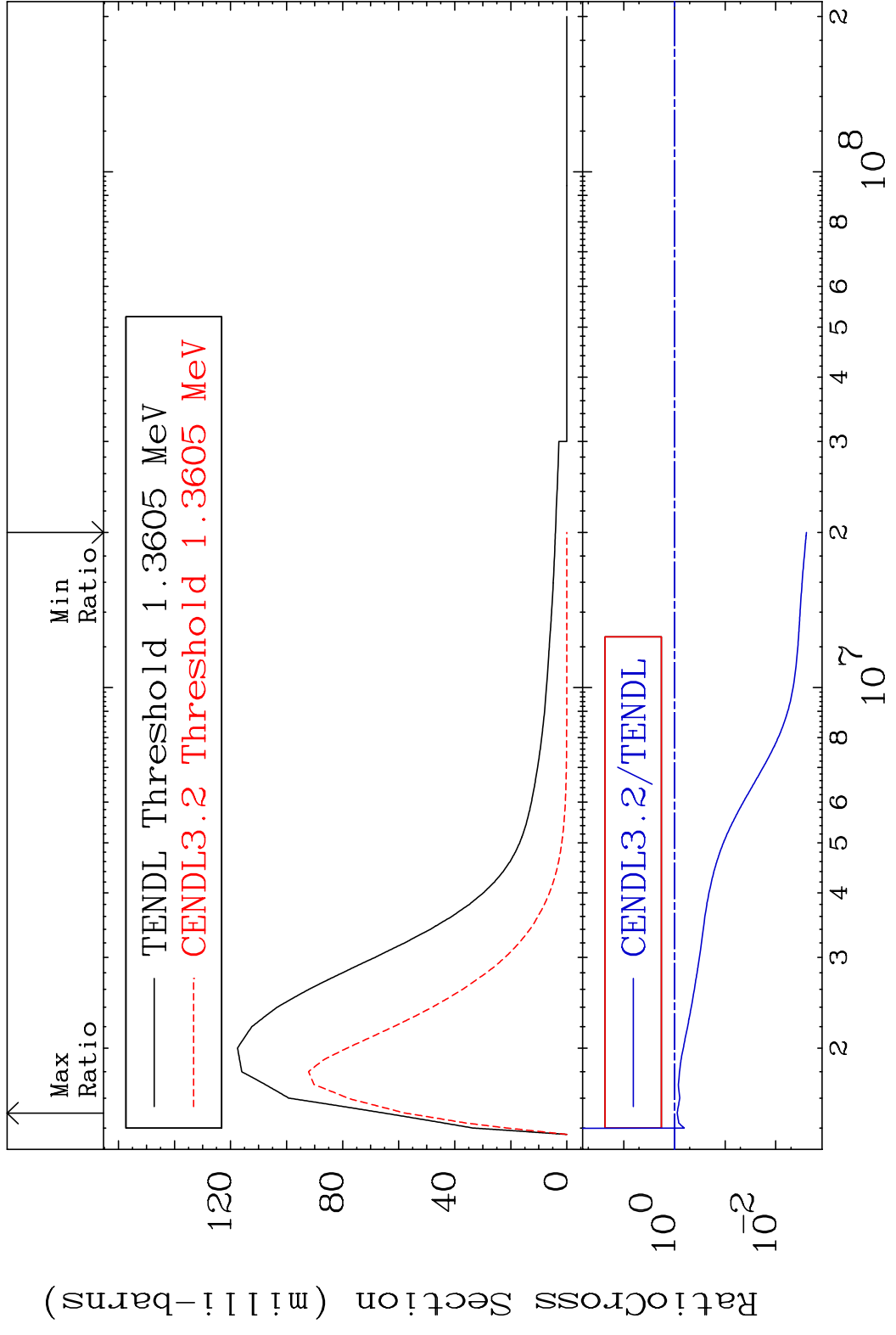
MAT 5137 MT= 54 (n, n') Level 51-Sb-125
 Cross Section -89.32 To 26.83 %



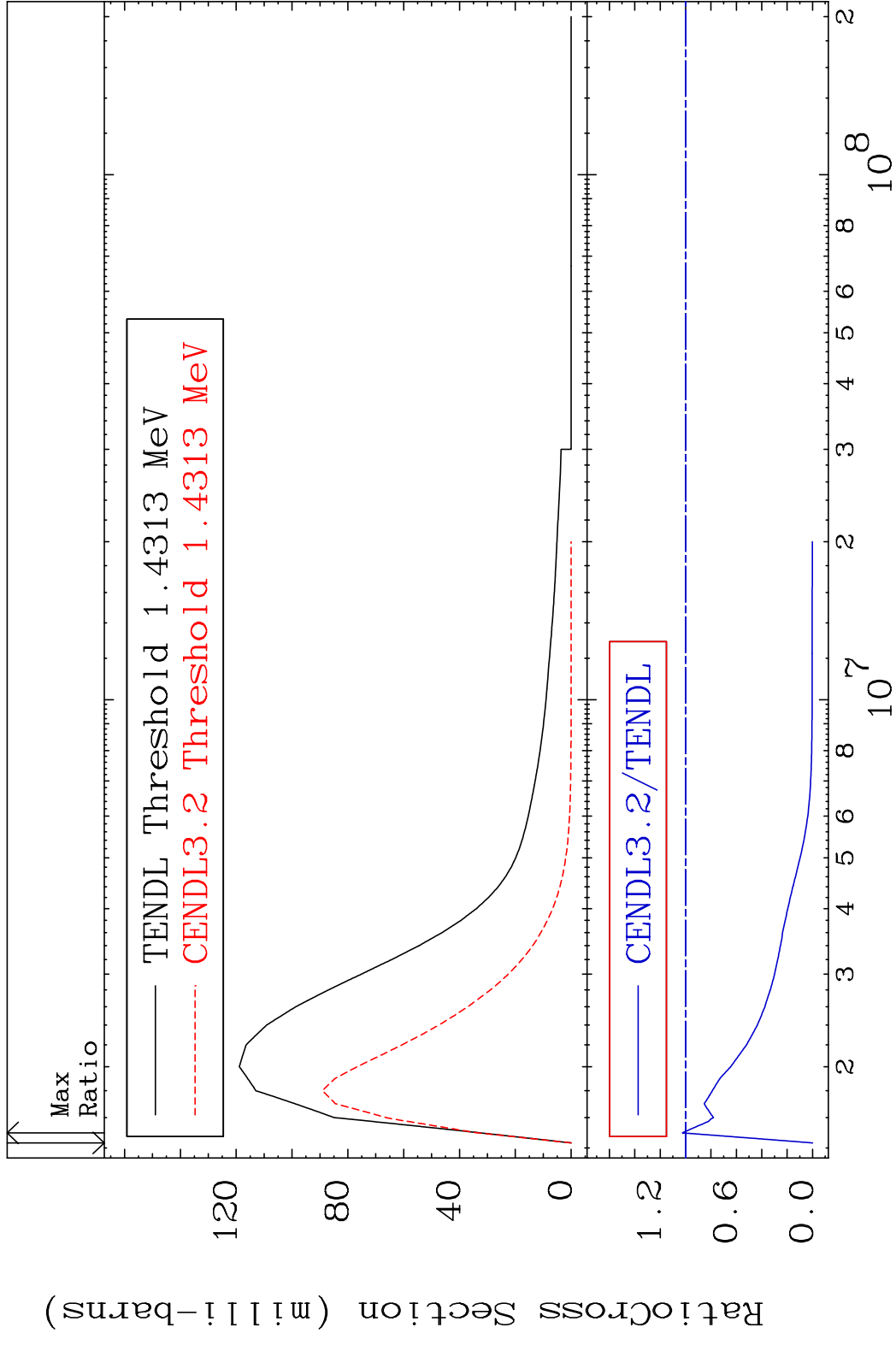
MAT 5137 MT= 55 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 309.3 %



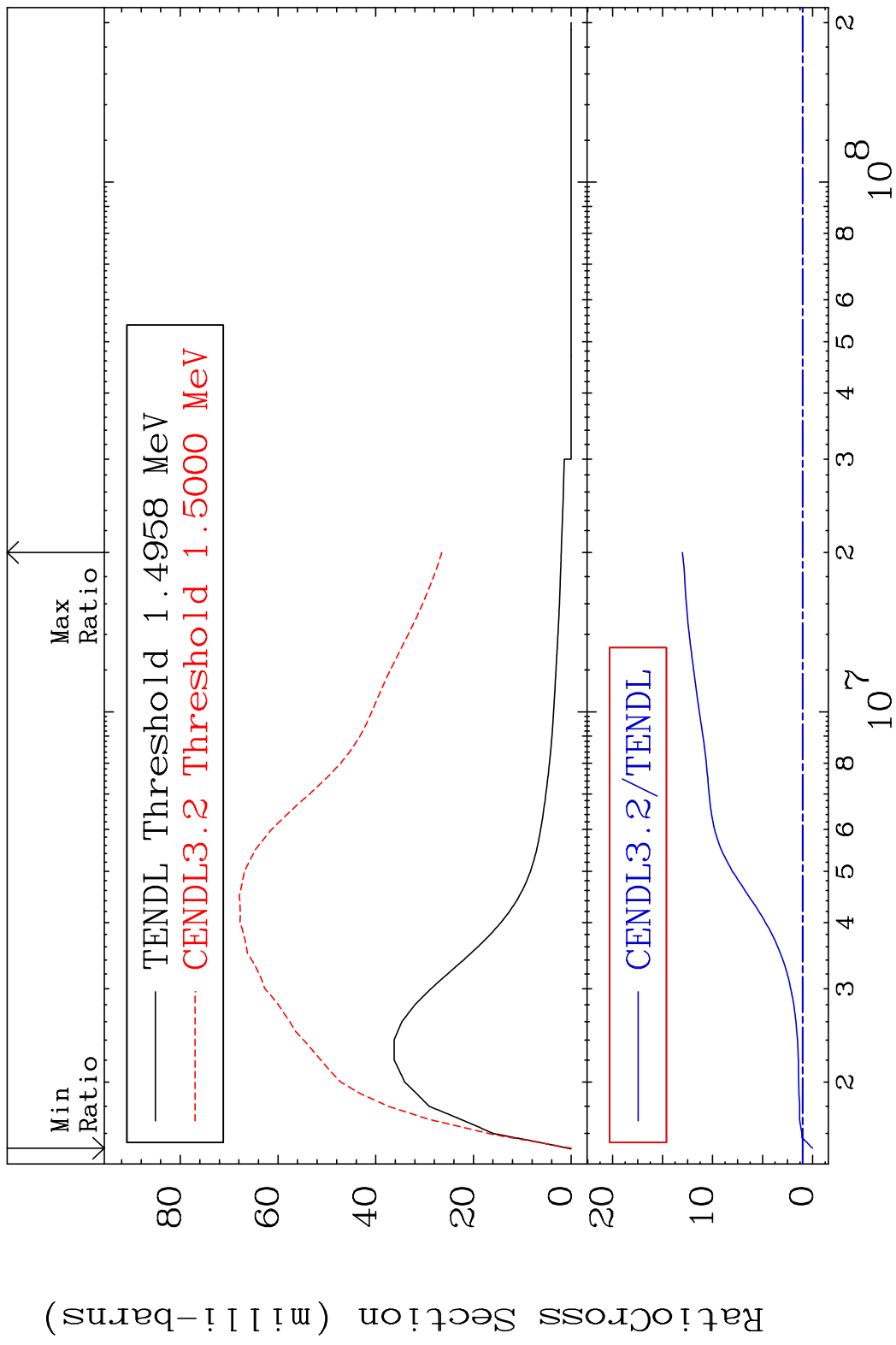
MAT 5137 MT= 56 (n, n') Level 51-Sb-125
 Cross Section -99.75 To -11.66%



MAT 5137 MT= 57 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 2.526 %



MAT 5137 MT= 58 (n, n') Level 51-Sb-125
 Cross Section -100.0 To 1203. %



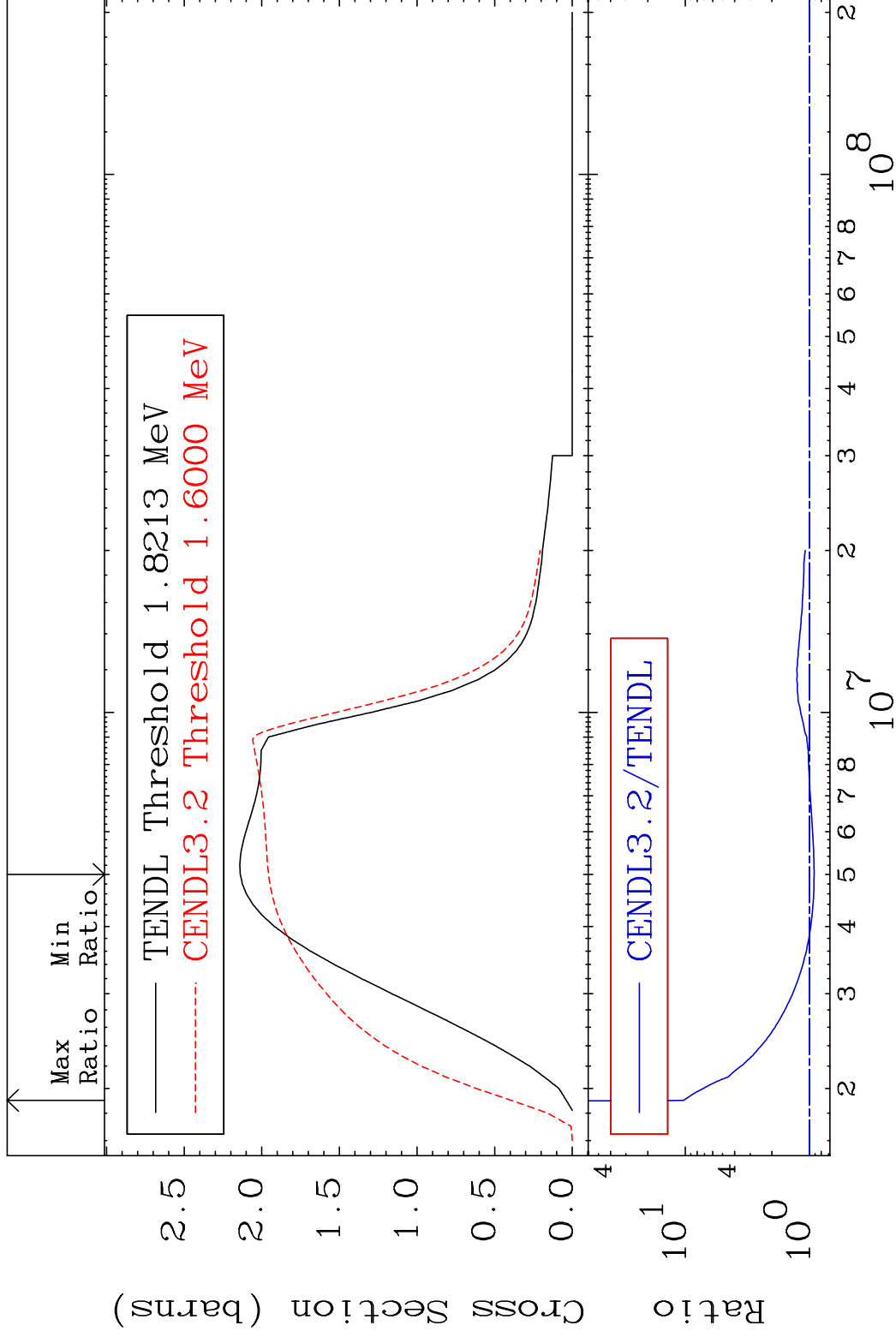
MAT 5137

(n,n') Continuum

51-Sb-125

Cross Section

-8.555 To 928.7 %

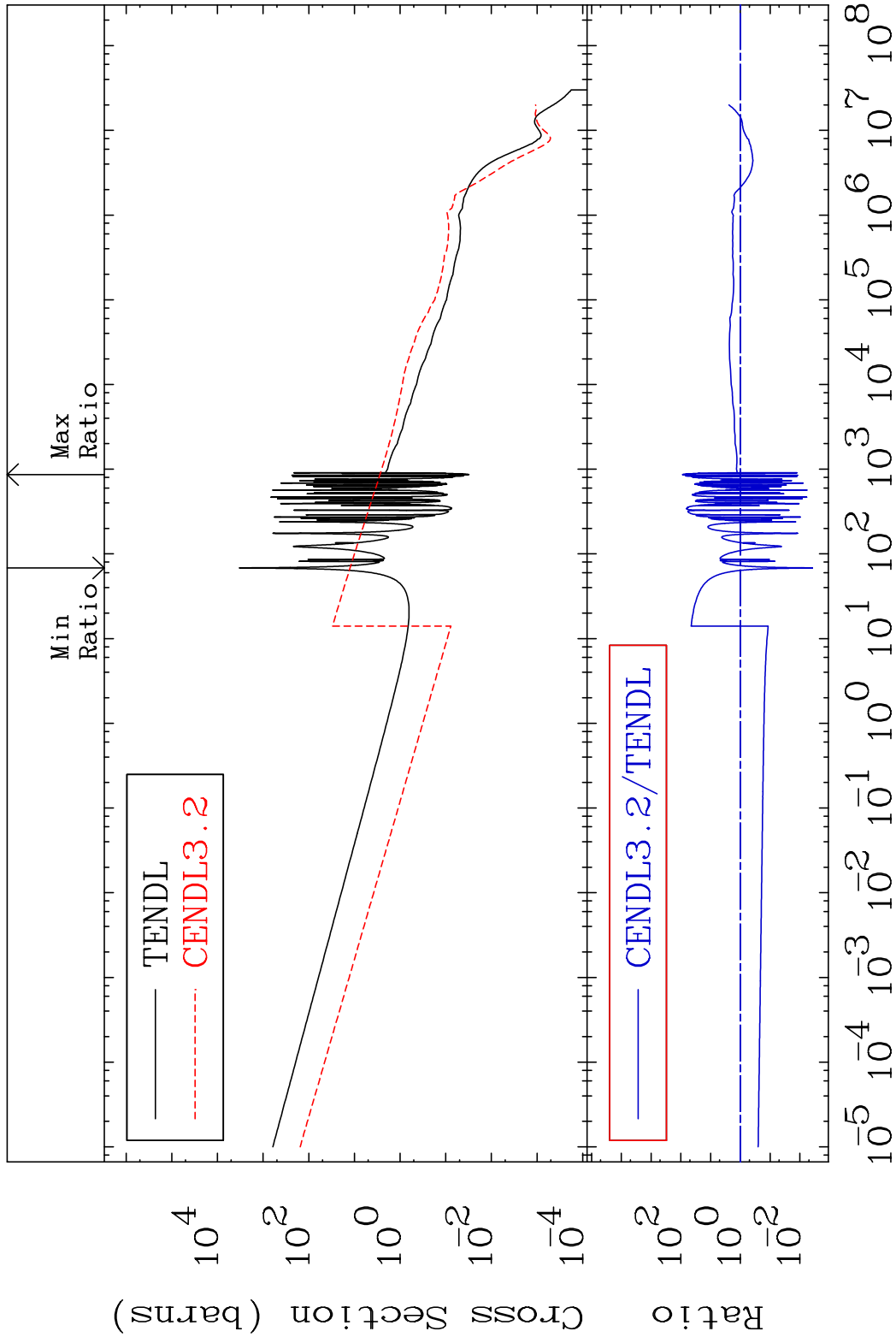


MAT 5137

(n, γ)

51-Sb-125

Cross Section -99.62 To 8827. %

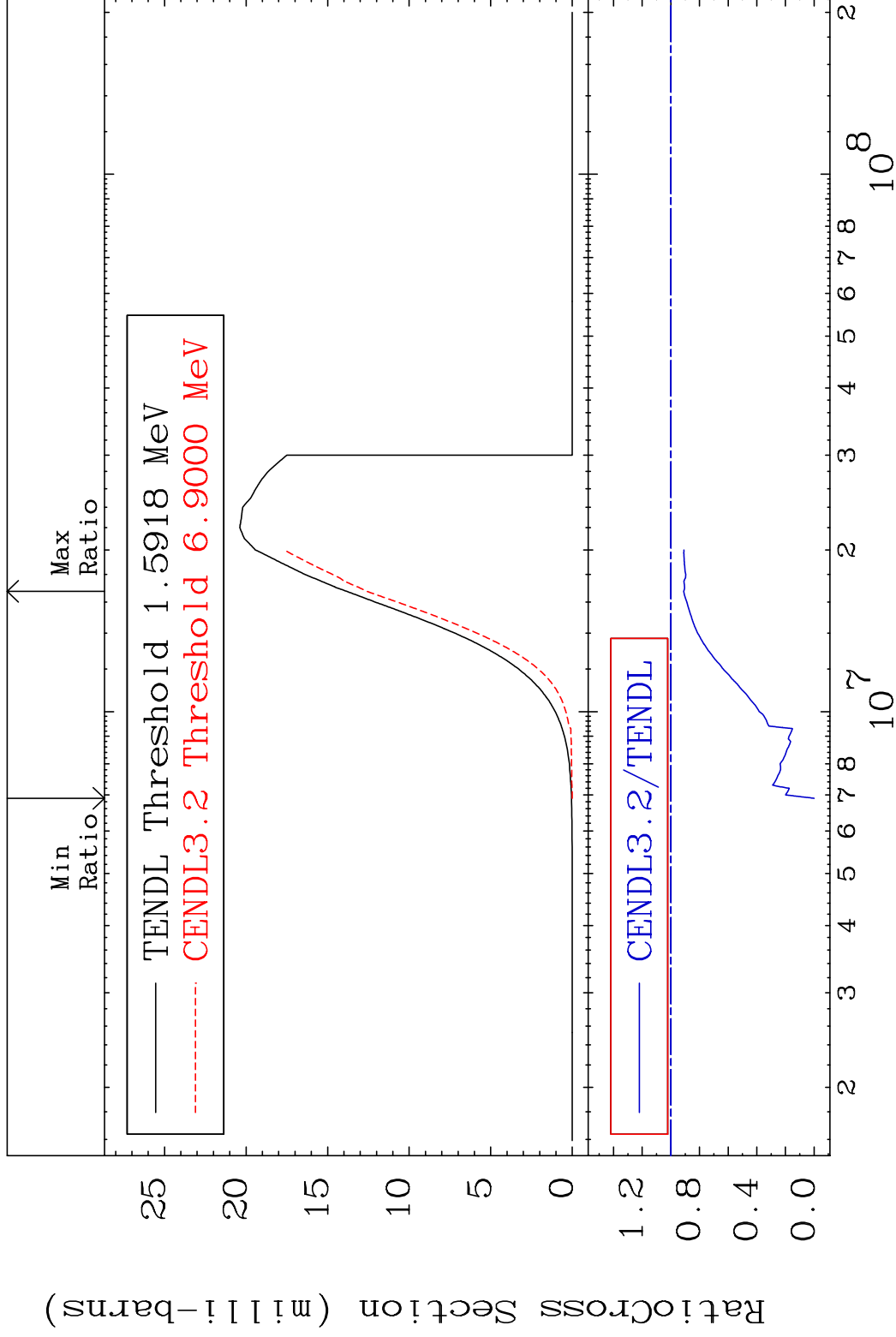


MAT 5137

(n, p)

51-Sb-125

Cross Section -100.0 To -8.938%



18

Incident Energy (eV)

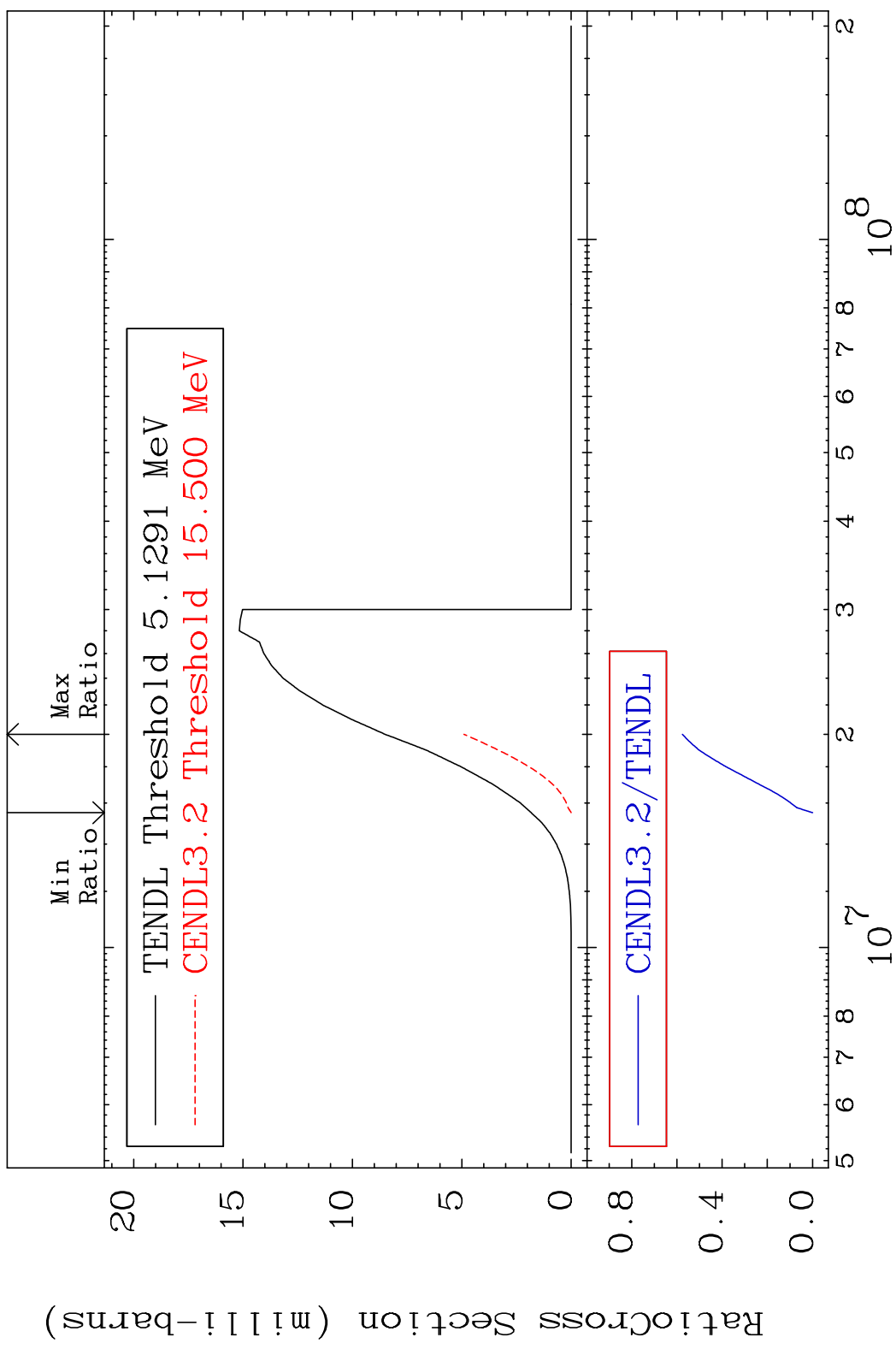
51-Sb-125

MAT 5137

(n,d)

51-Sb-125

Cross Section -100.0 To -42.41%

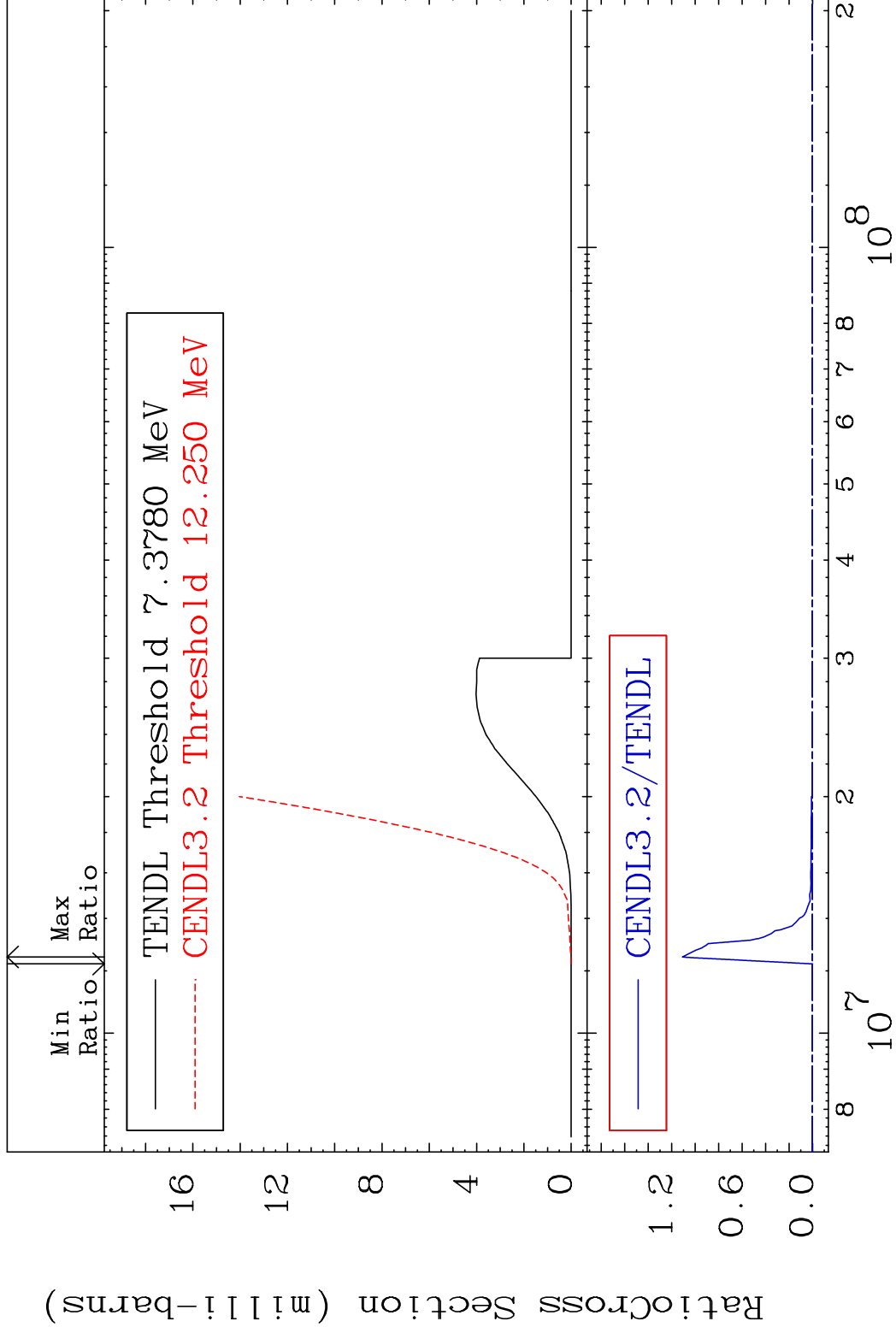


MAT 5137

(n, t)

51-Sb-125

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

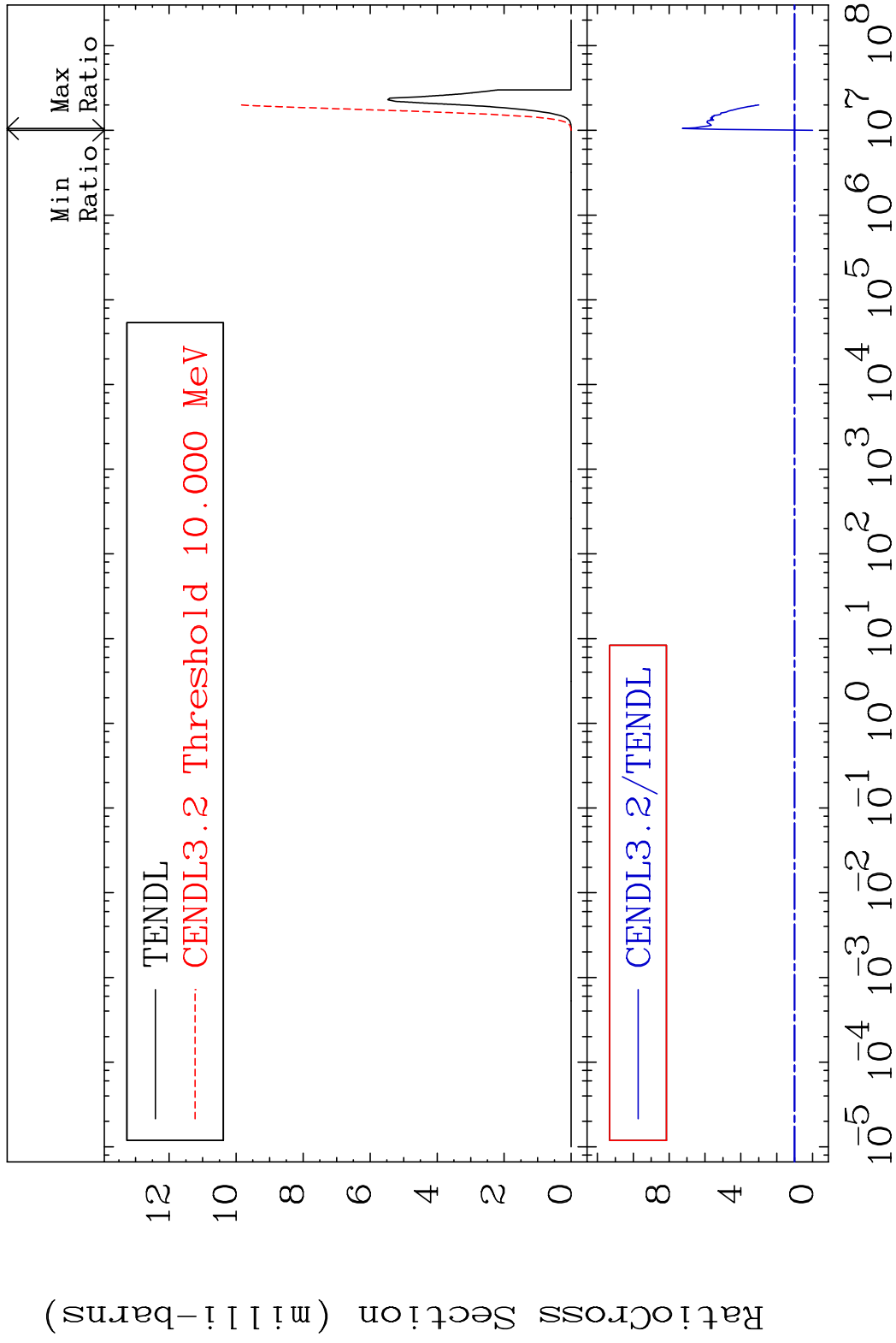
51-Sb-125

MAT 5137

(n, α)

51-Sb-125

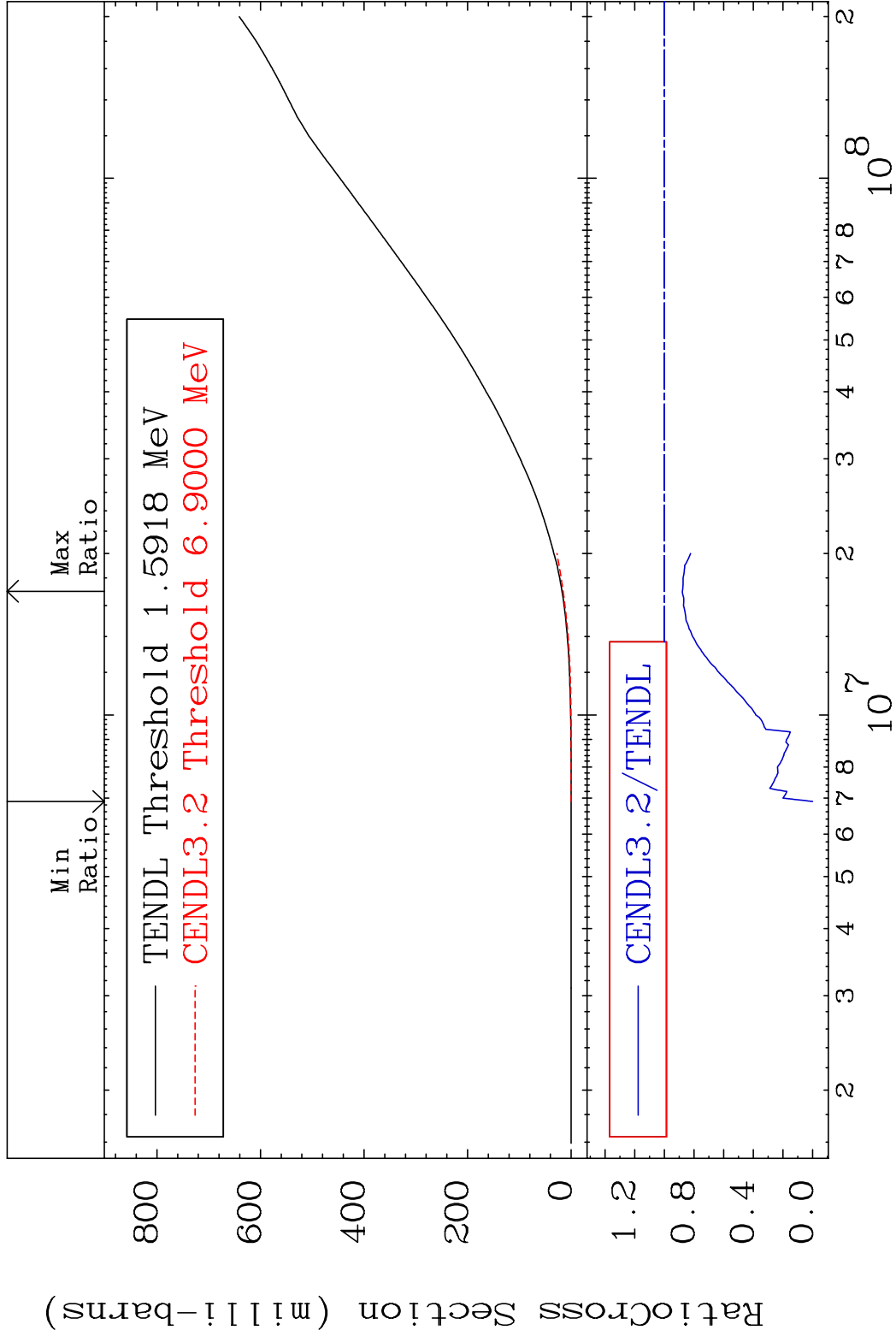
Cross Section -100.0 To 626.1 %



21

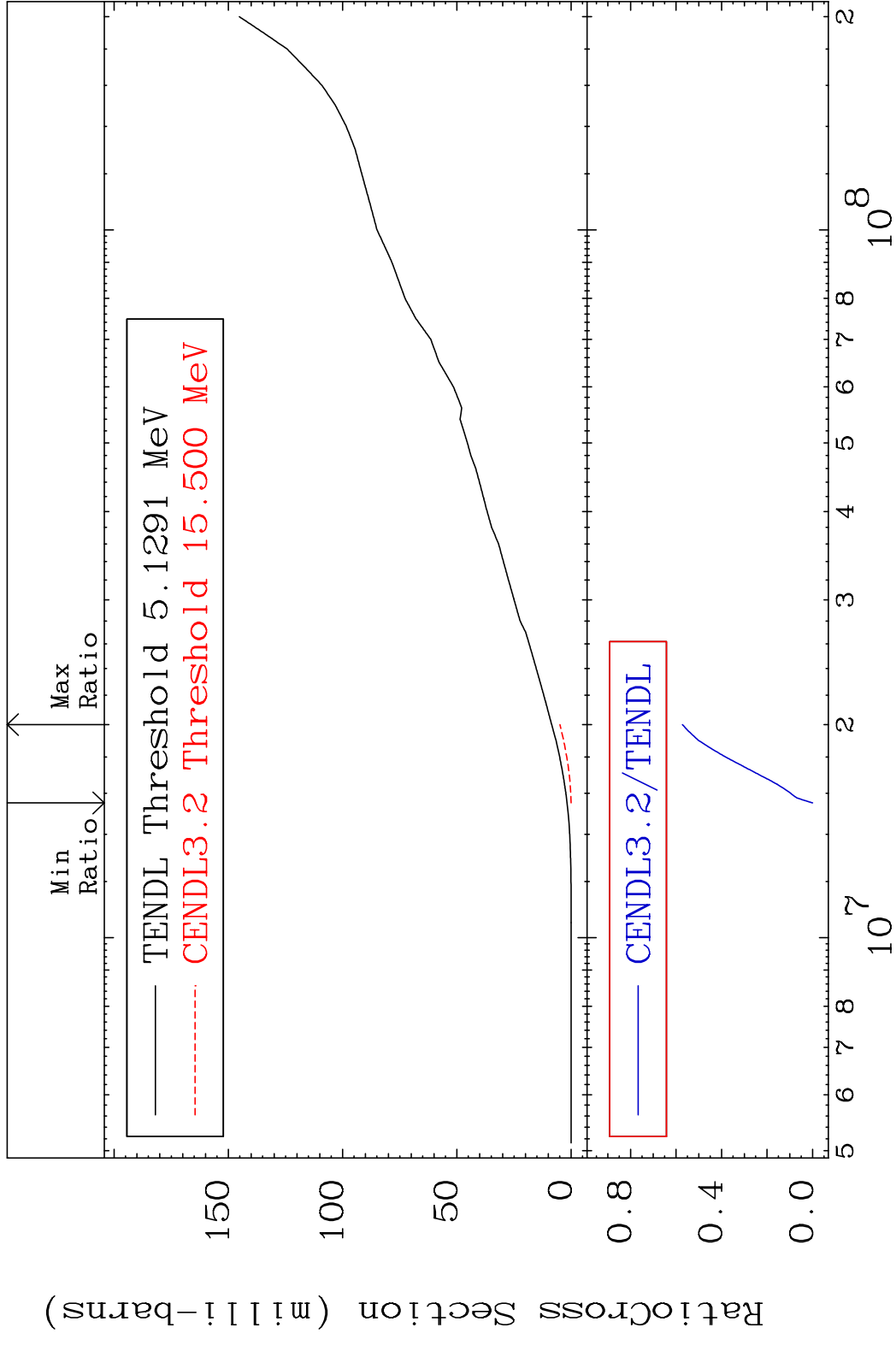
Incident Energy (eV)

51-Sb-125



MAT 5137

Deuterium Production 51-Sb-125
Cross Section -100.0 To -42.77%

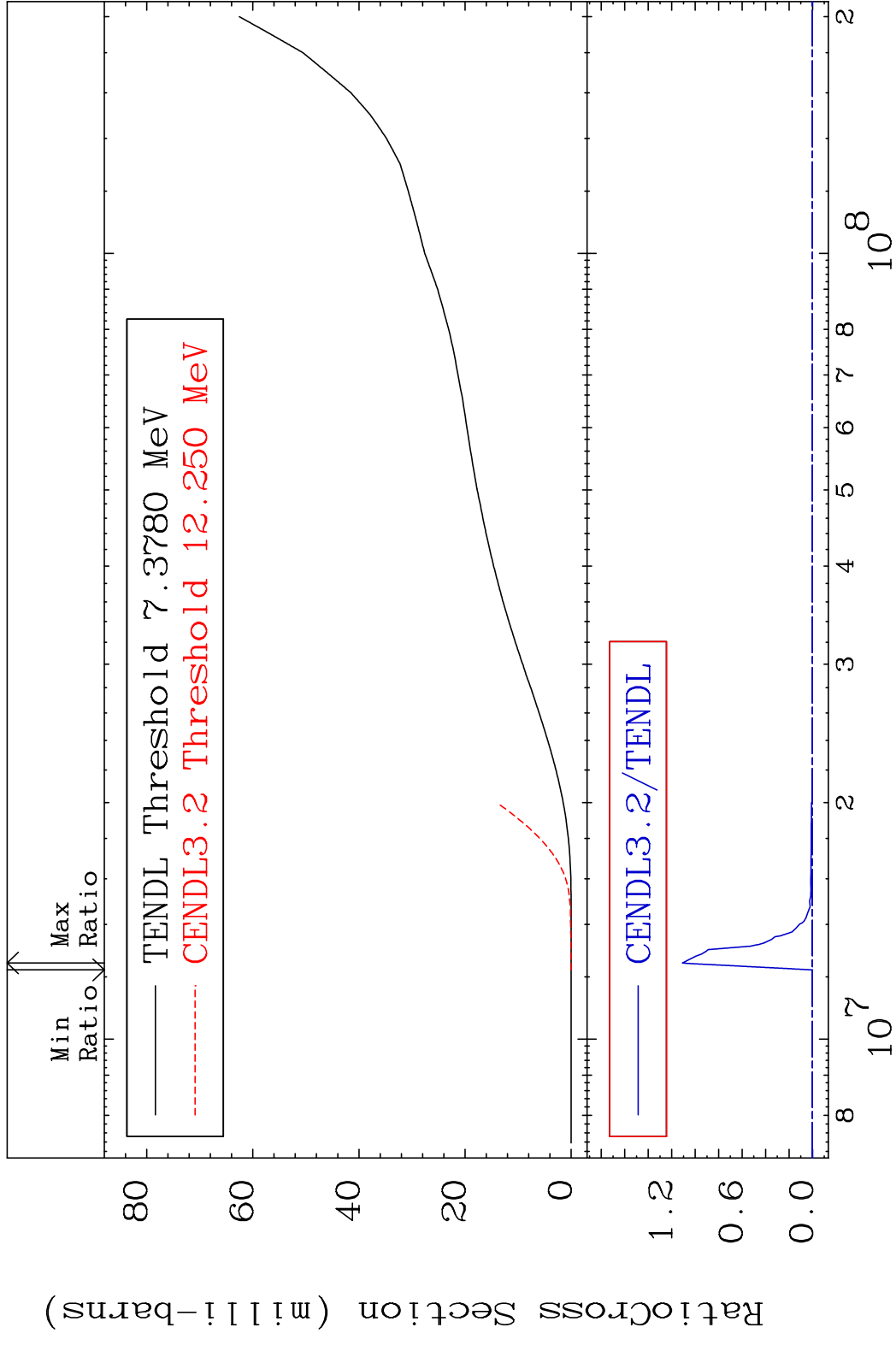


MAT 5137

Tritium Production

51-Sb-125

Cross Section -100.0 To 9999. %

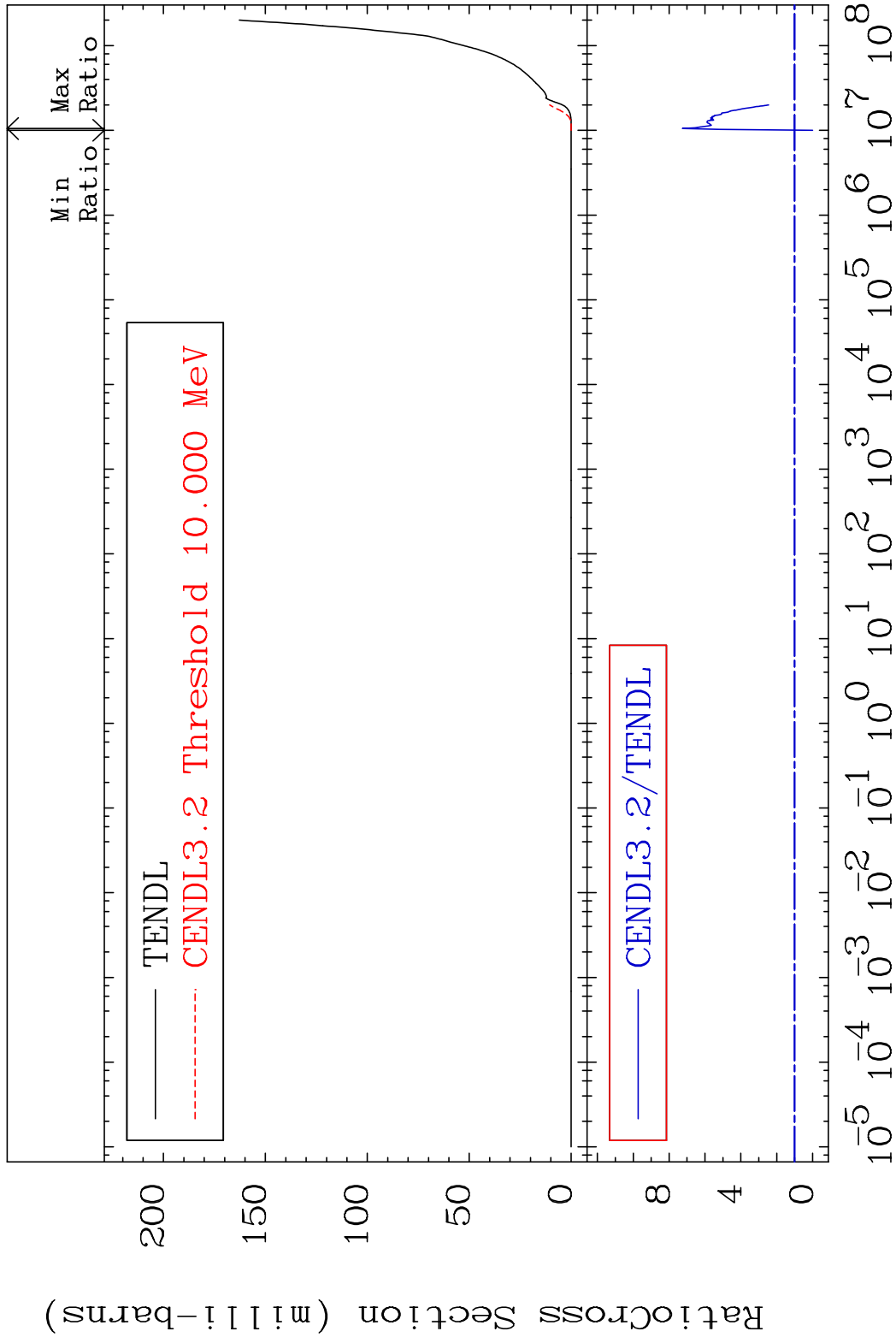


MAT 5137

He-4 Production

51-Sb-125

Cross Section -100.0 To 626.1 %

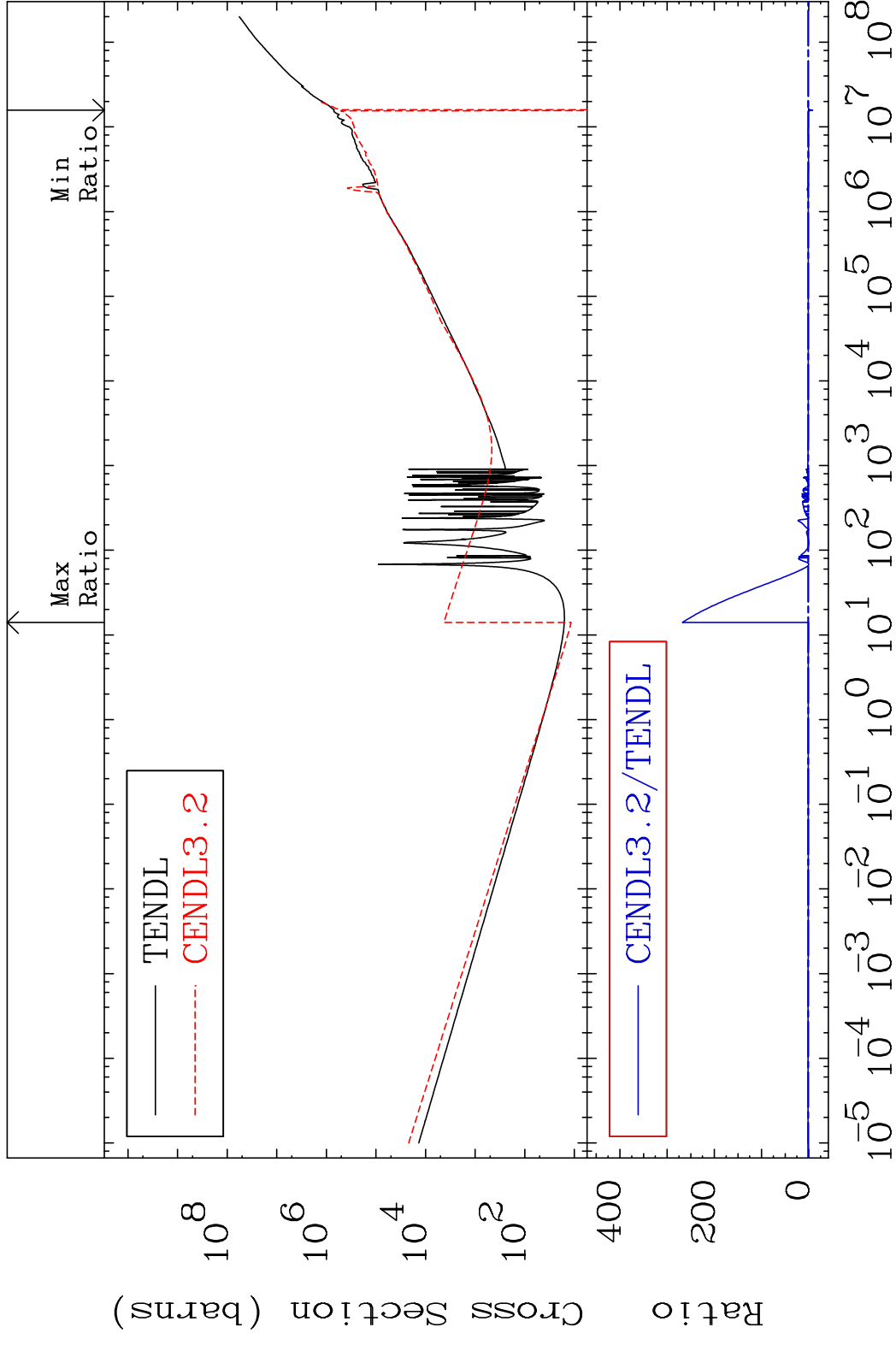


25

Incident Energy (eV)

51-Sb-125

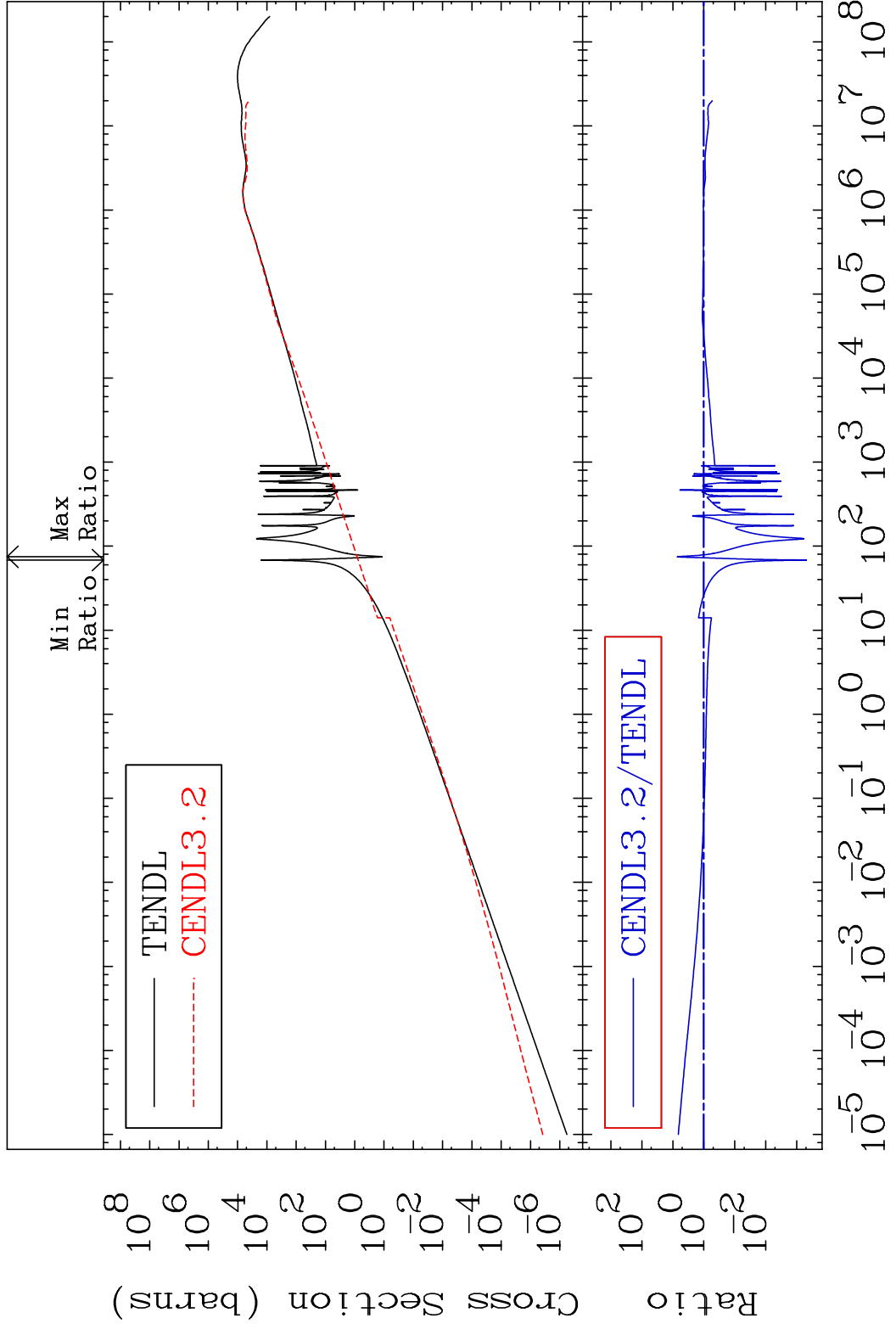
MAT 5137 Kerma total (eV-barns) 51-Sb-125
 Cross Section -898.0 To 9999. %



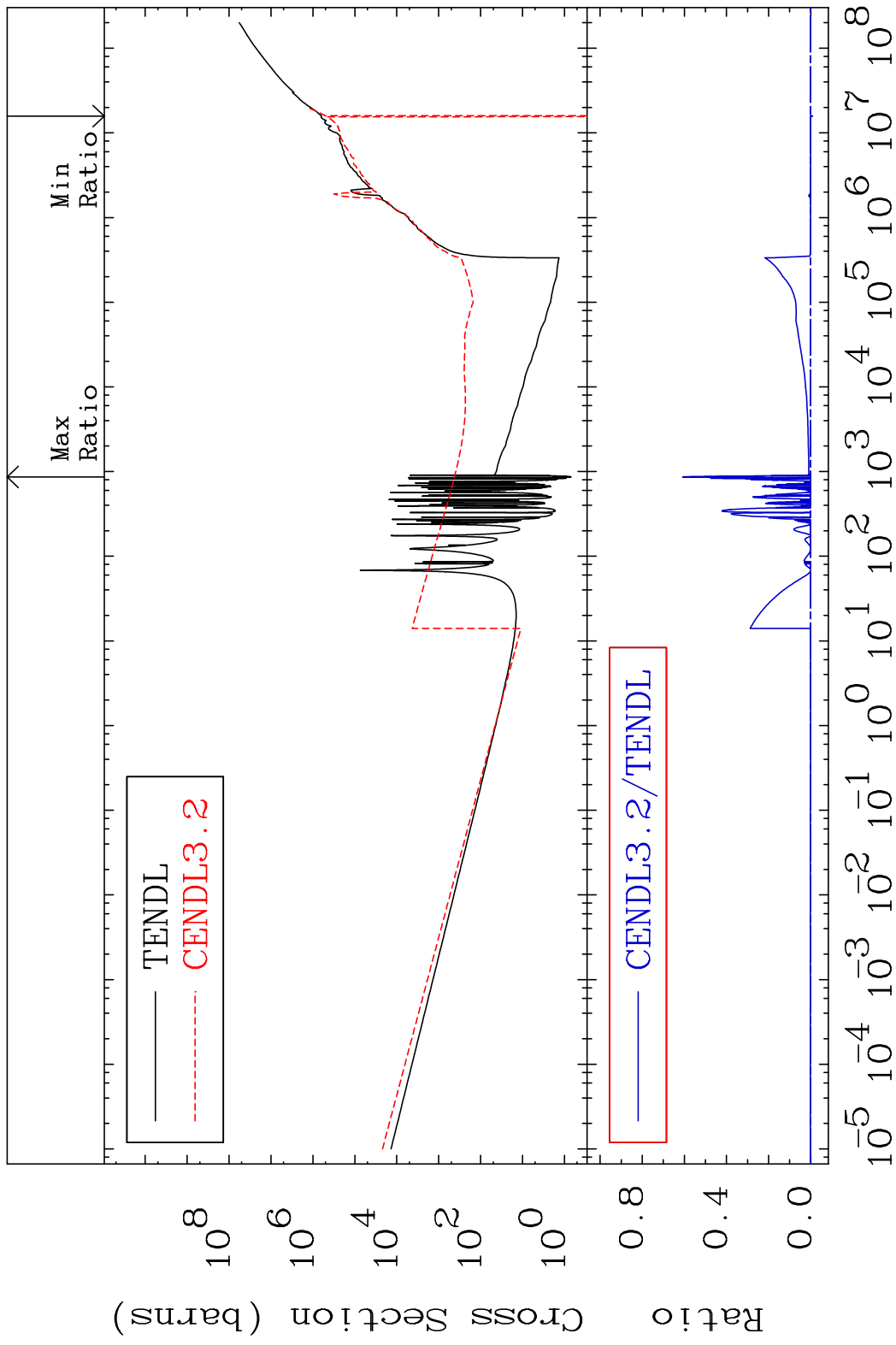
MAT 5137

Kerma elastic
Cross Section

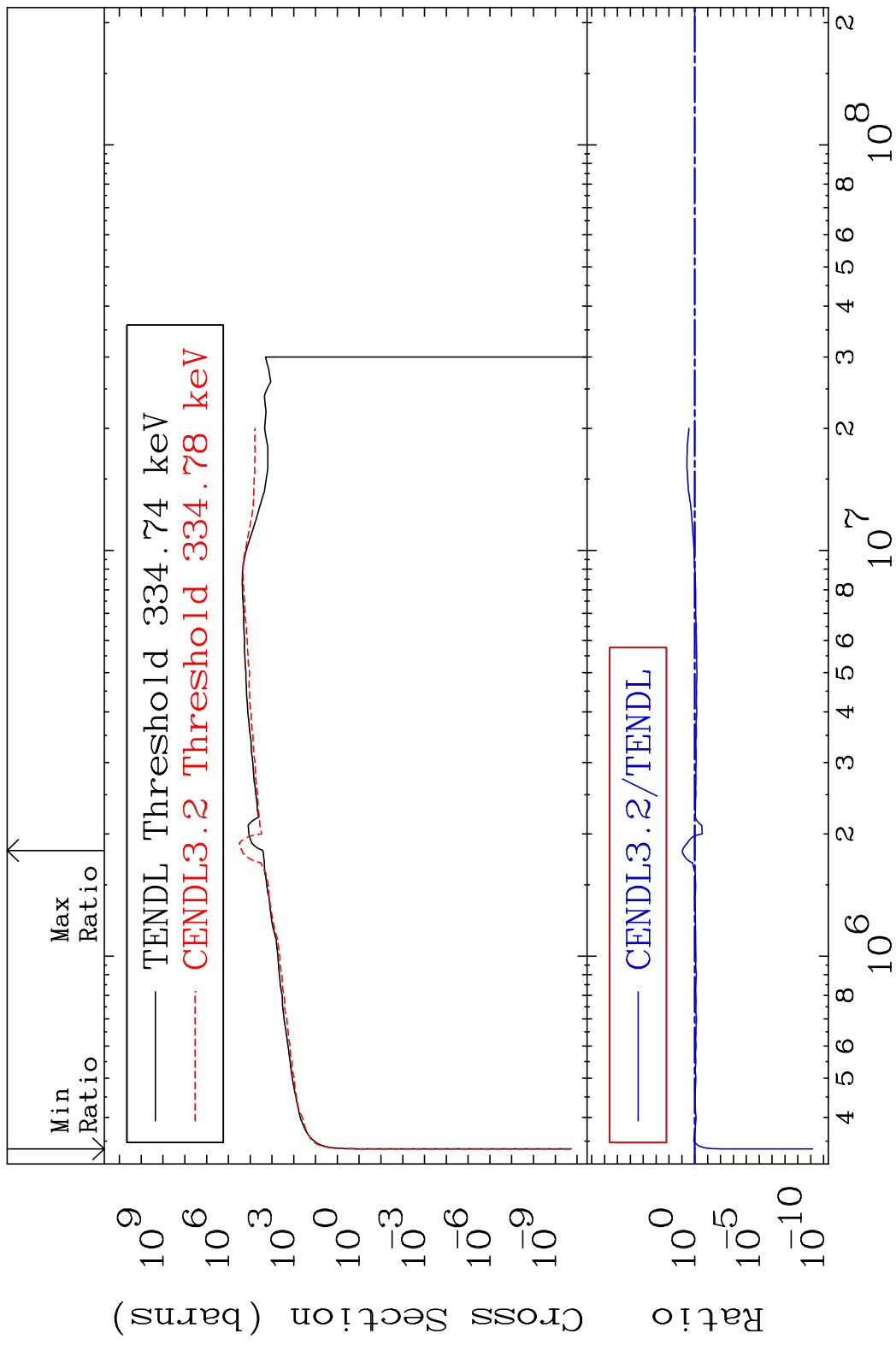
51-Sb-125
-99.95 To 622.8 %



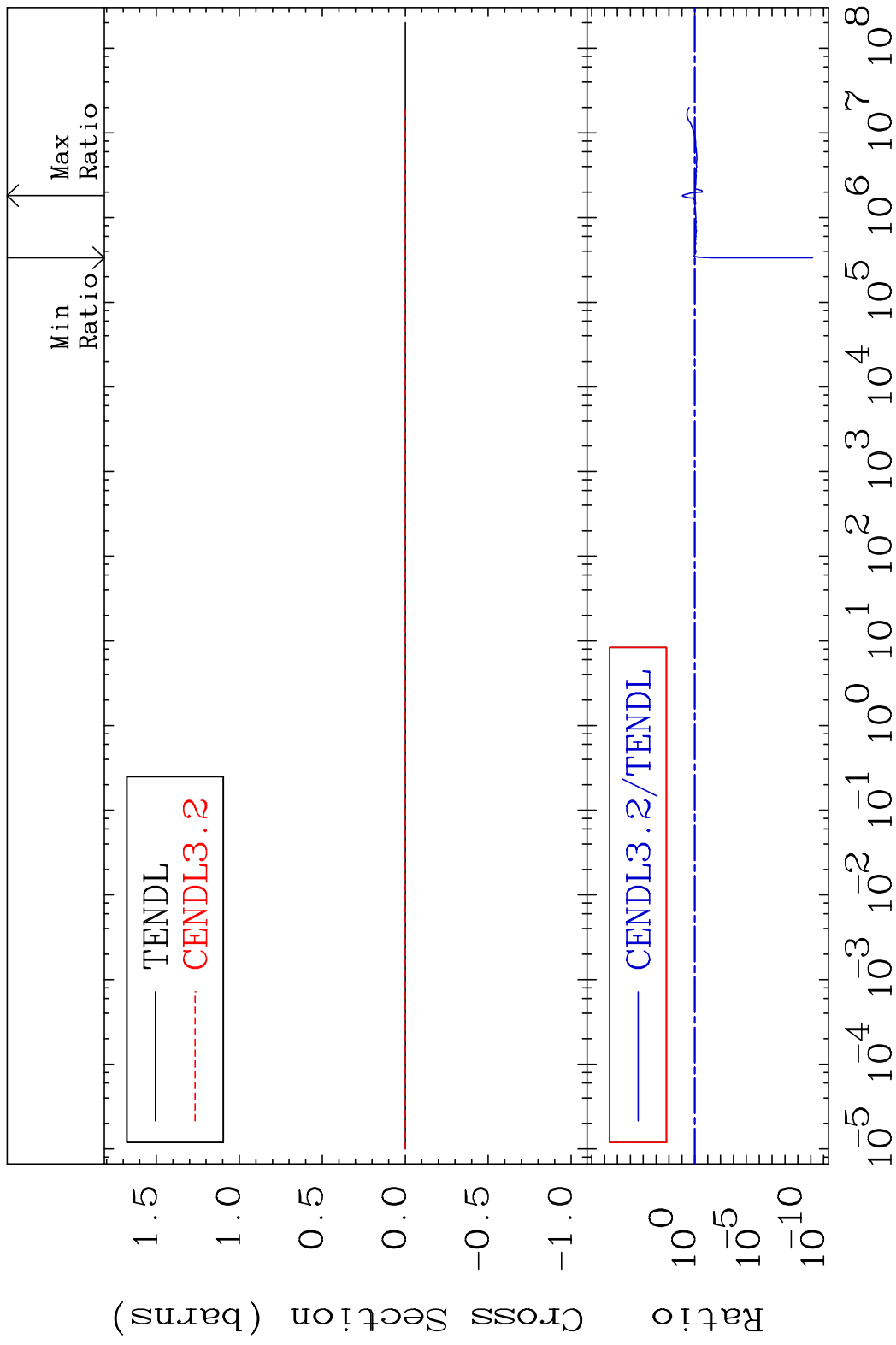
MAT 5137 Kerma non-elastic (all but mt2) 51-Sb-125
 Cross Section -996.2 To 9999. %



MAT 5137 Kerma inelastic (mt51-91) 51-Sb-125
 Cross Section -100.0 To 812.9 %

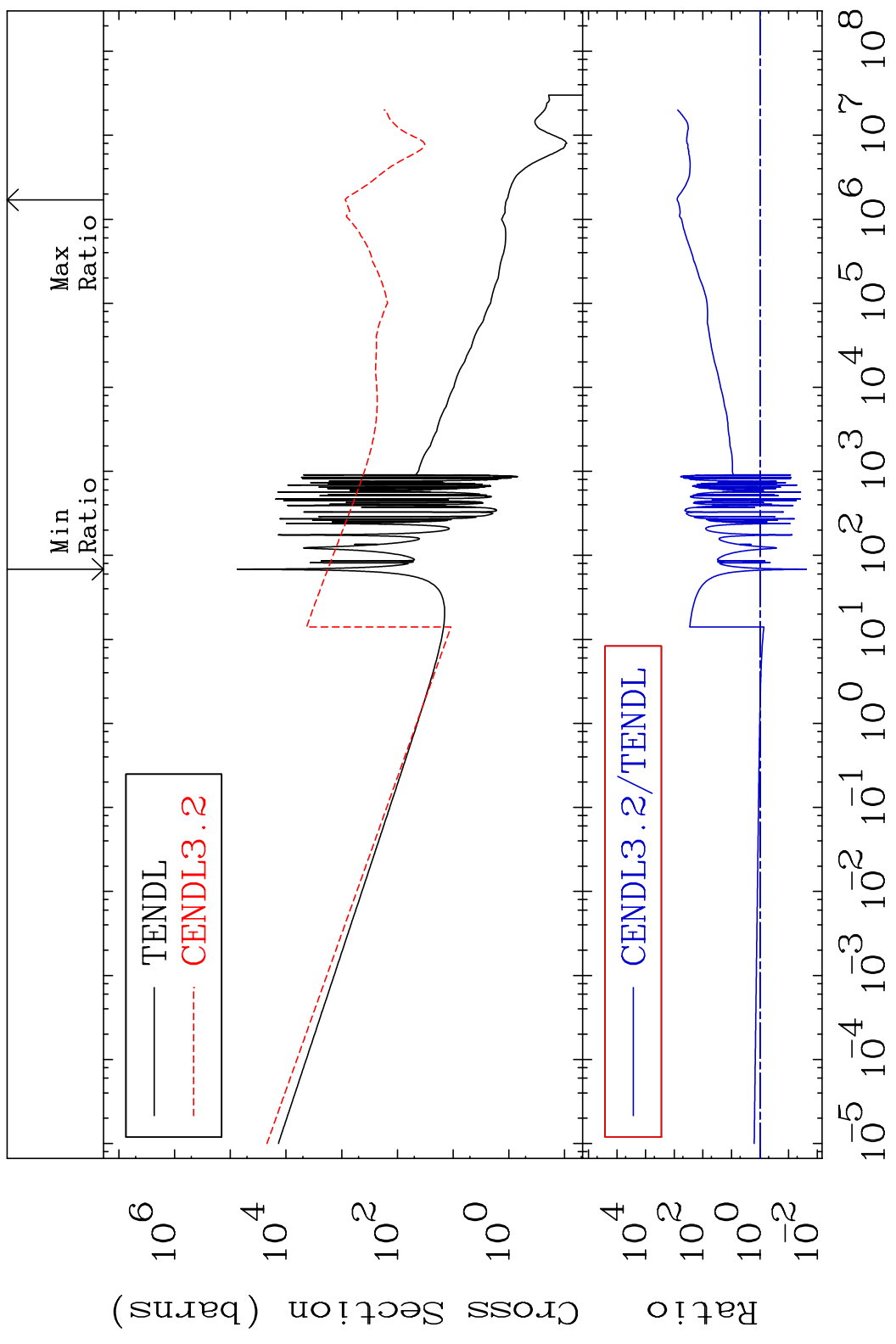


MAT 5137 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-125
 Cross Section -100.0 To 812.9 %



MAT 5137

Kerma capture (mt102) 51-Sb-125
Cross Section -97.60 To 9999. %

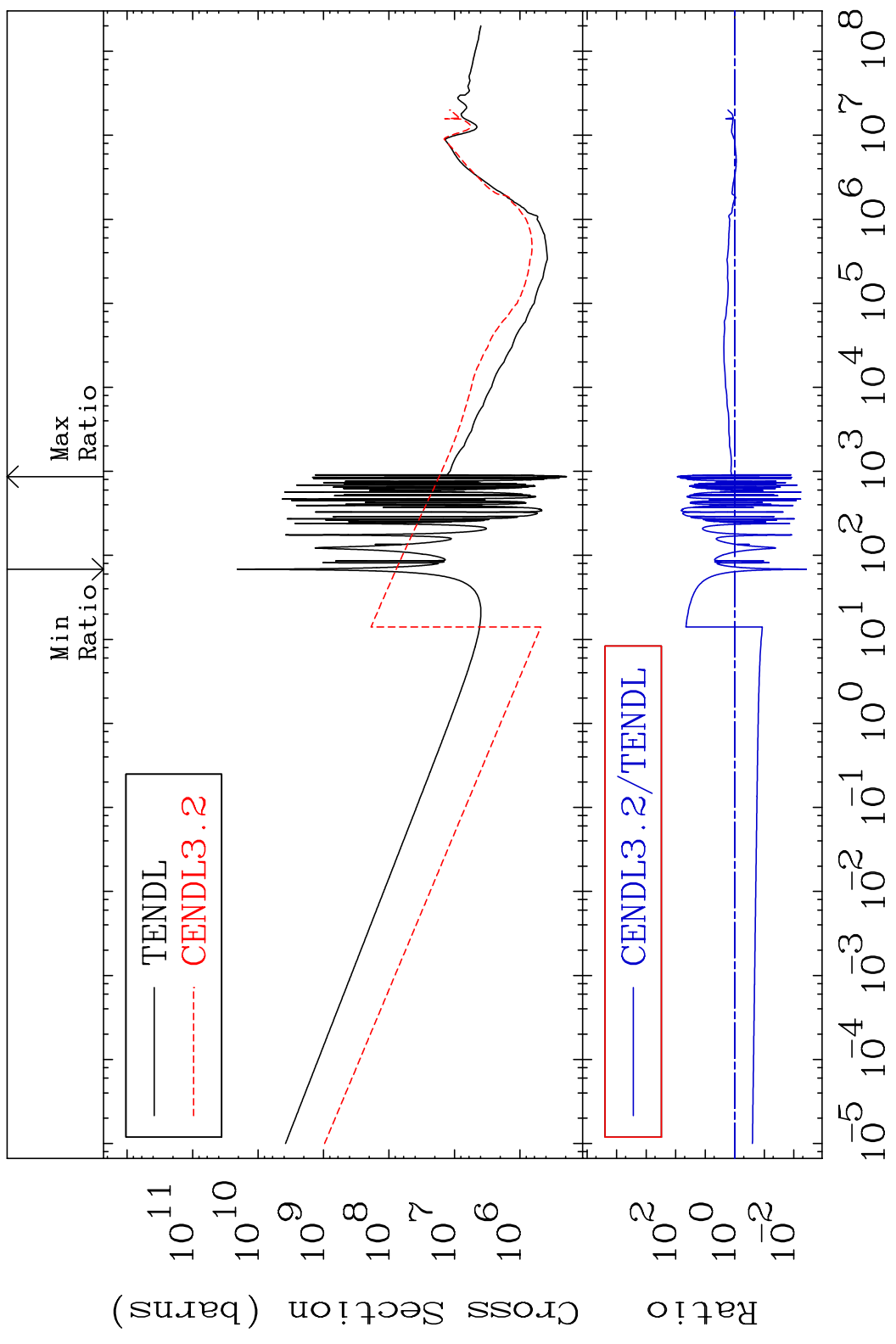


MAT 5137

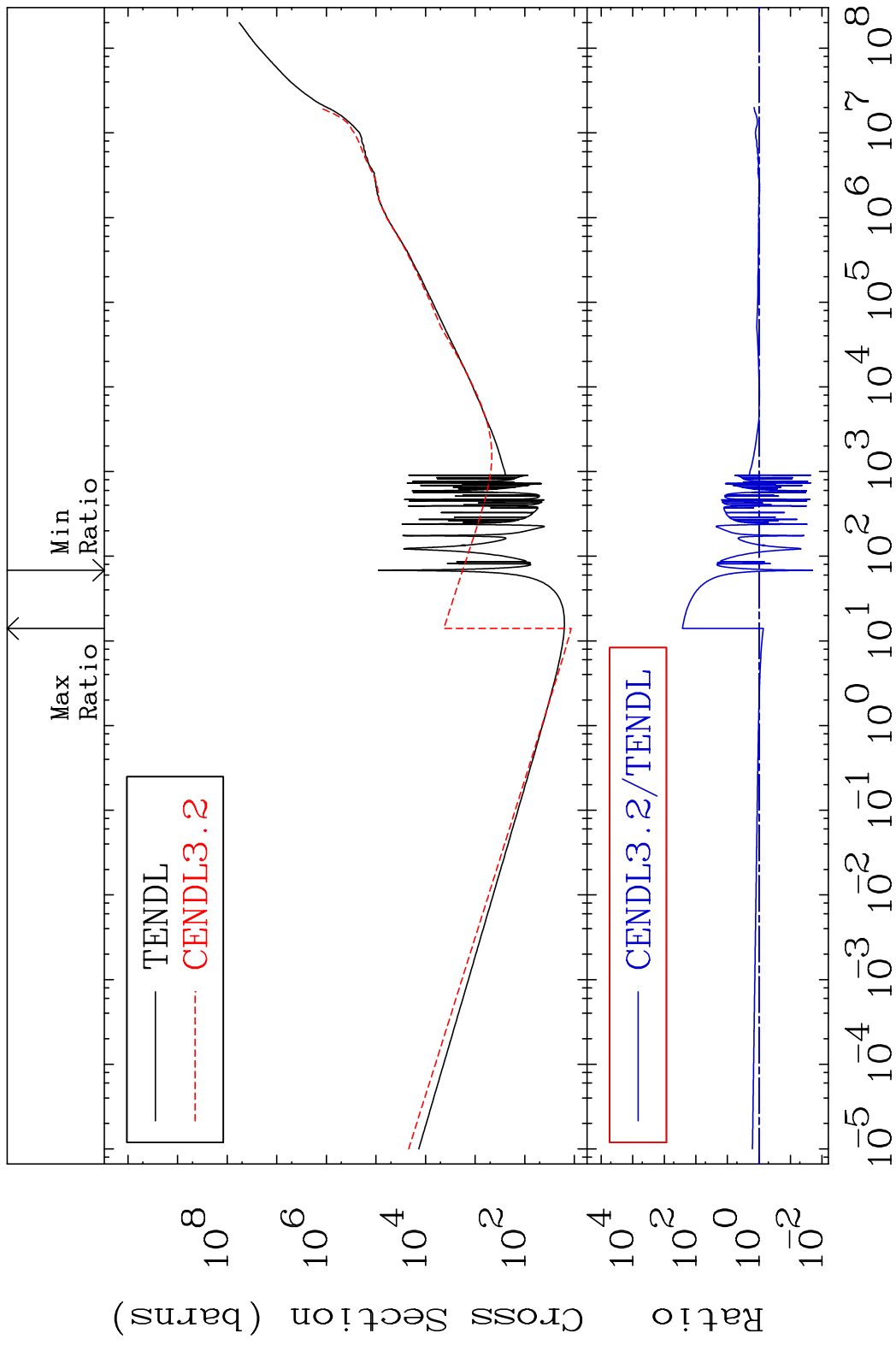
Total photon (eV-barns)

51-Sb-125

Cross Section -99.62 To 8832. %



MAT 5137 Total kinematic kerma (high limit) 51-Sb-125
 Cross Section -98.01 To 9999. %

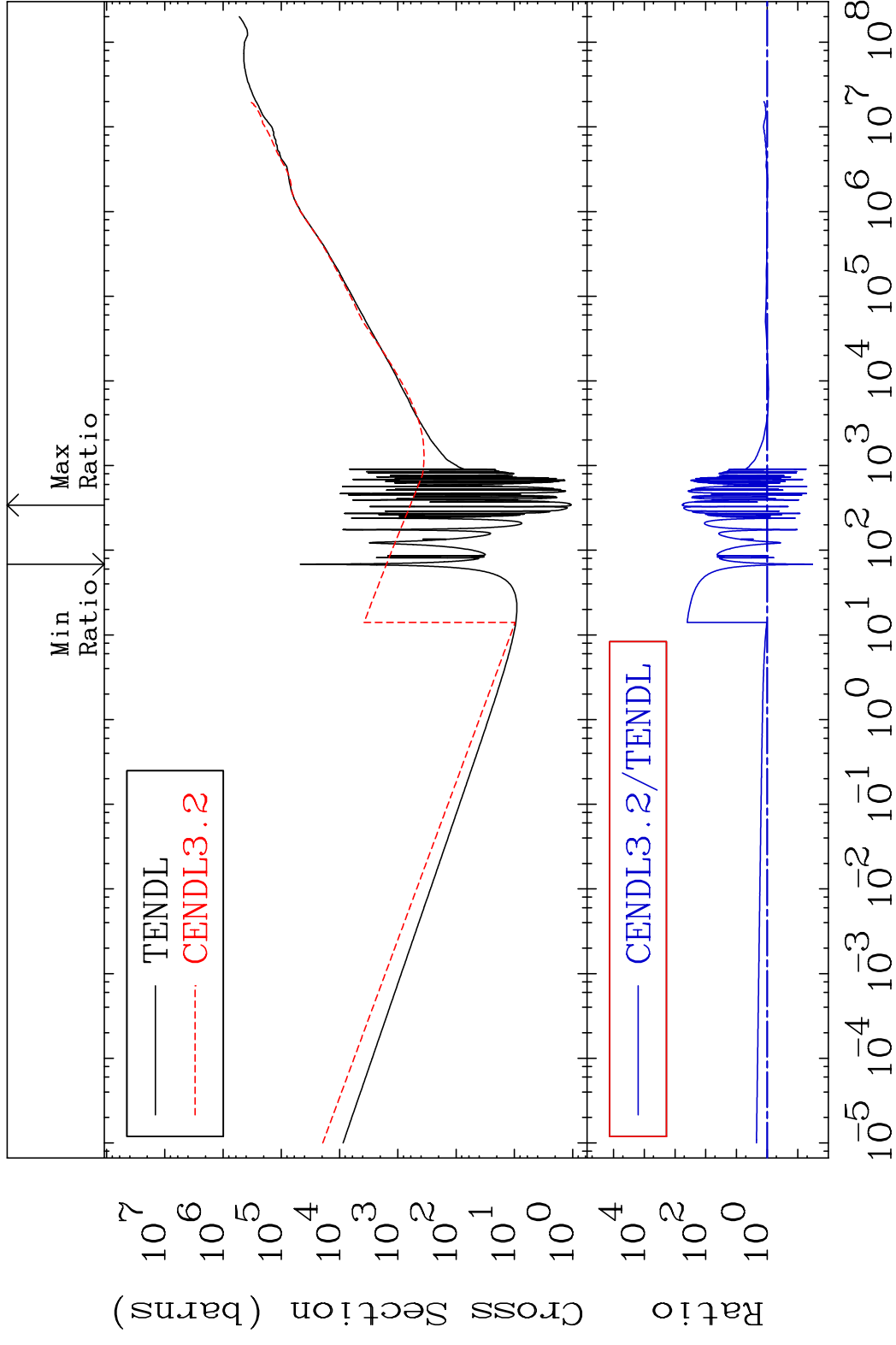


MAT 5137

Dpa total (eV-barns)

51-Sb-125

Cross Section -96.67 To 9999. %



34

Incident Energy (eV)

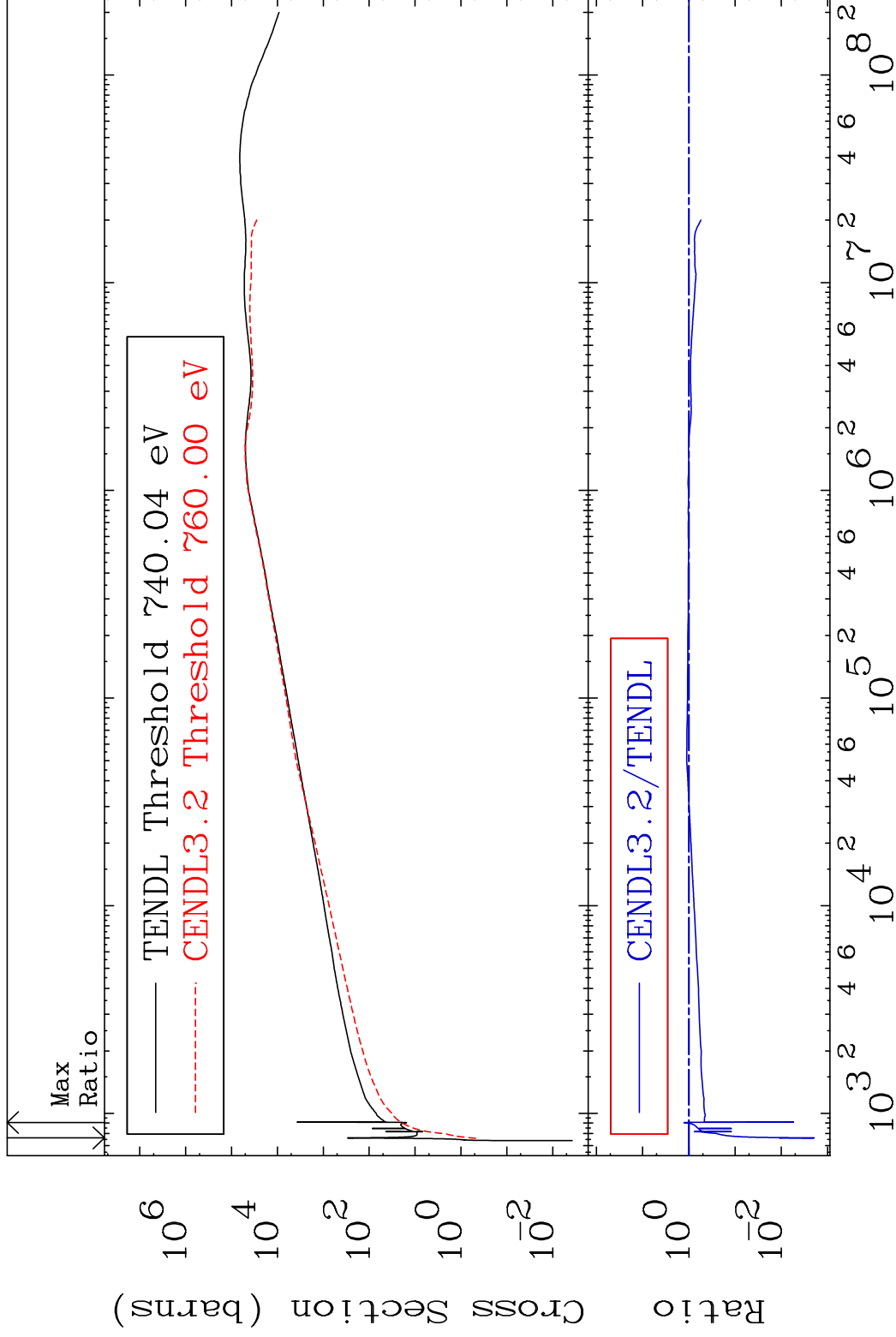
51-Sb-125

MAT 5137

Dpa elastic (mt2)

51-Sb-125

Cross Section -99.80 To 29.55 %

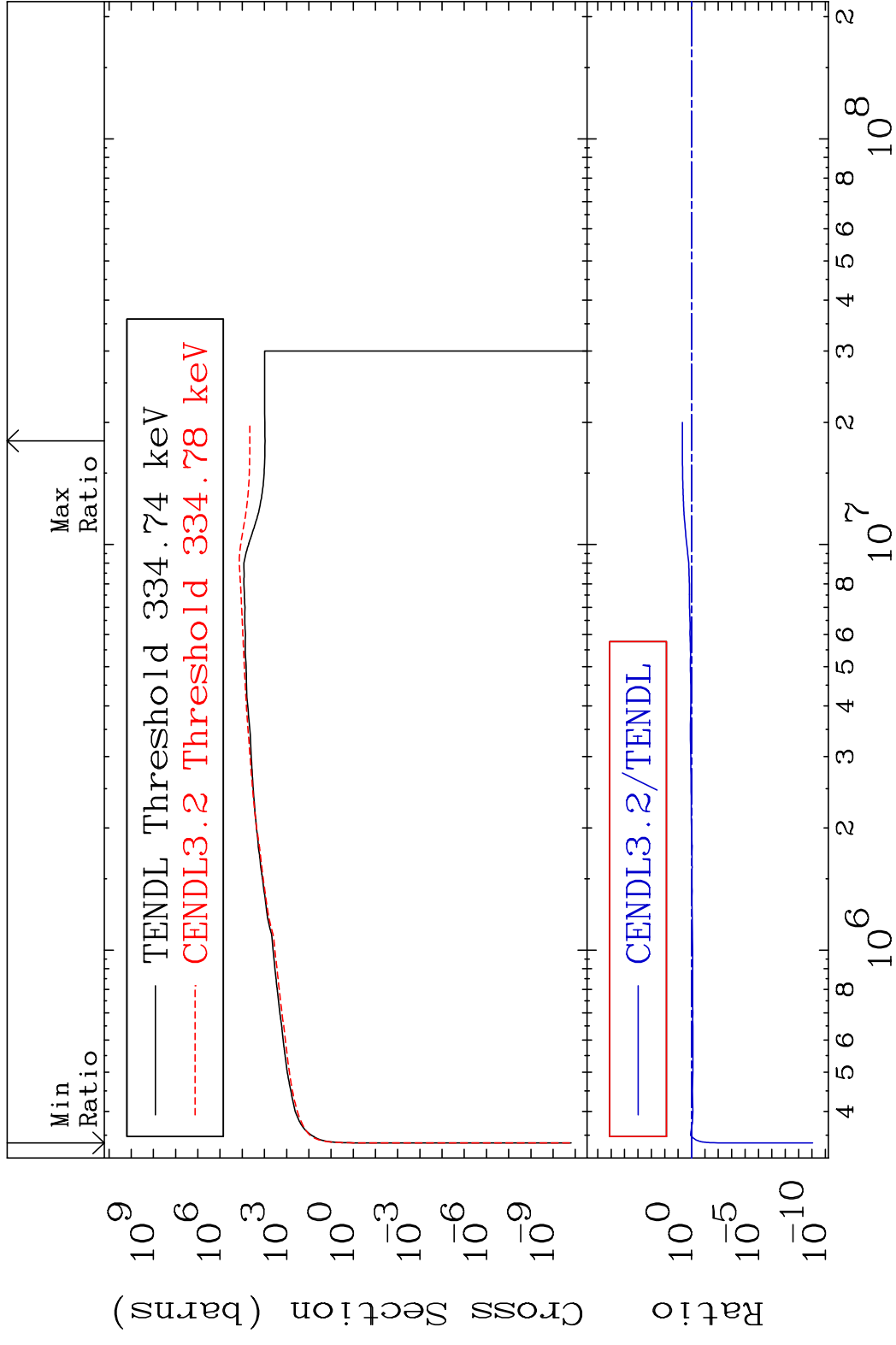


35

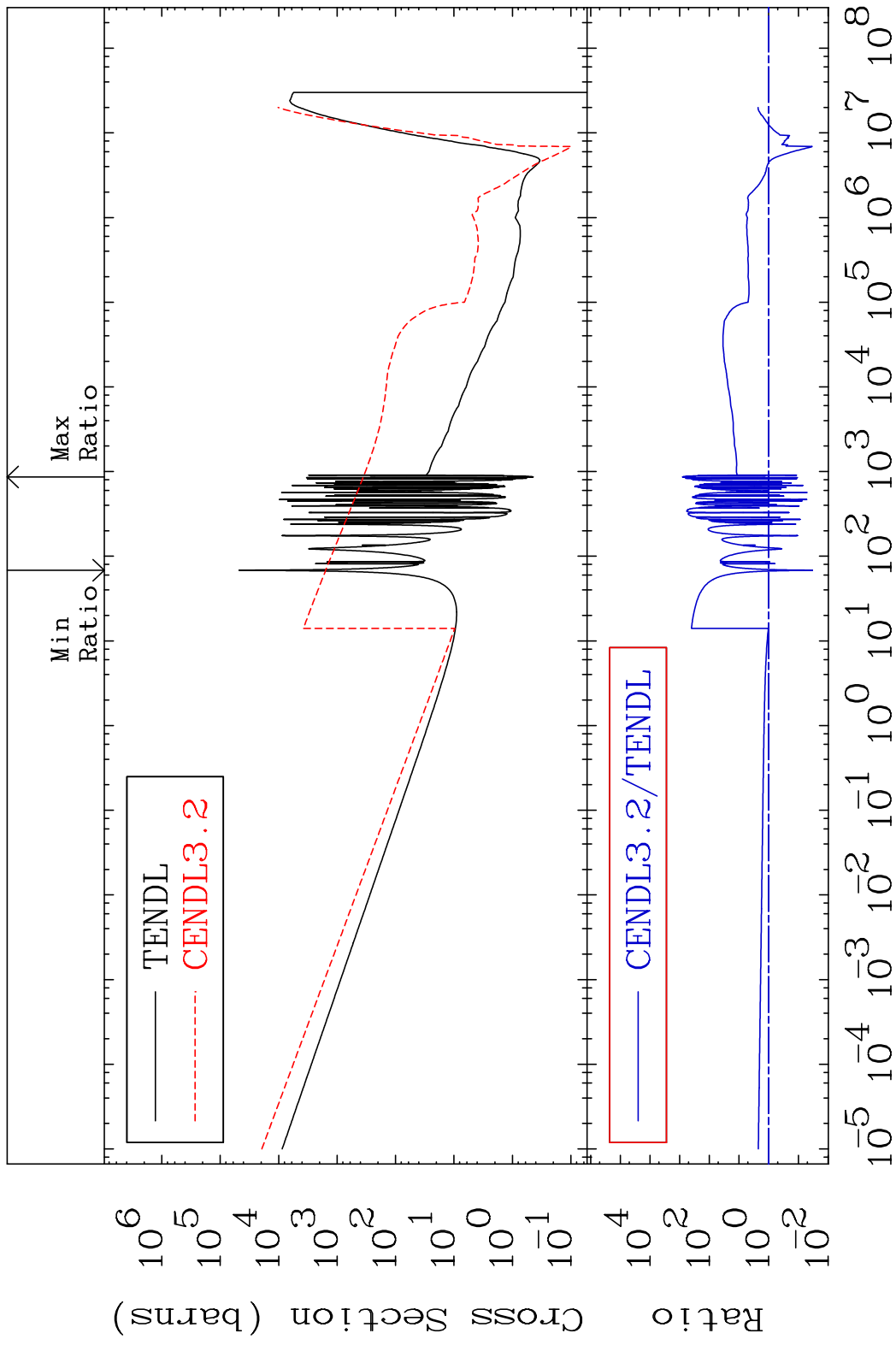
Incident Energy (eV)

51-Sb-125

Cross Section -100.0 To 383.1 %



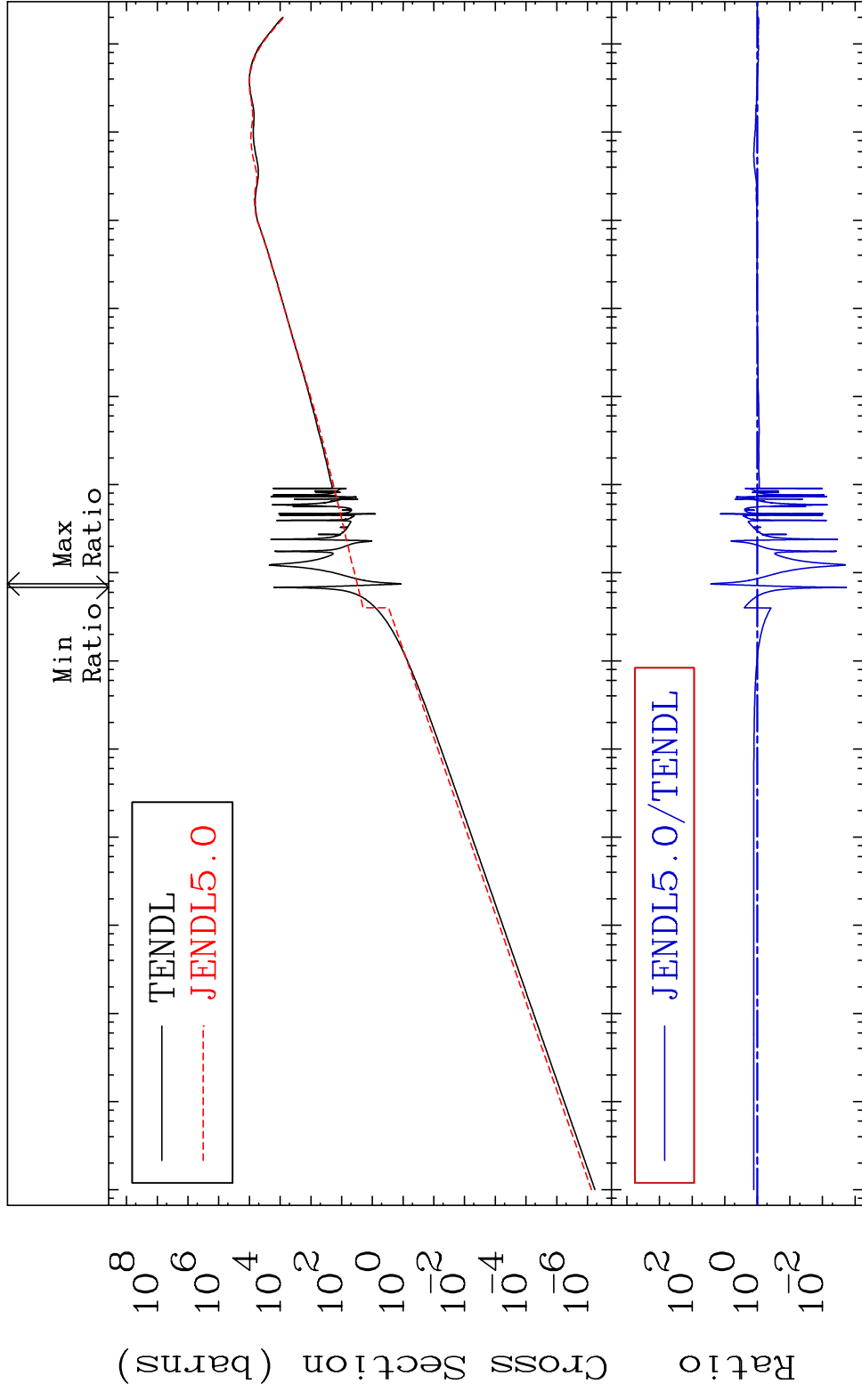
MAT 5137 Dpa disappearance (mt102 -120) 51-Sb-125
 Cross Section -96.67 To 9999. %



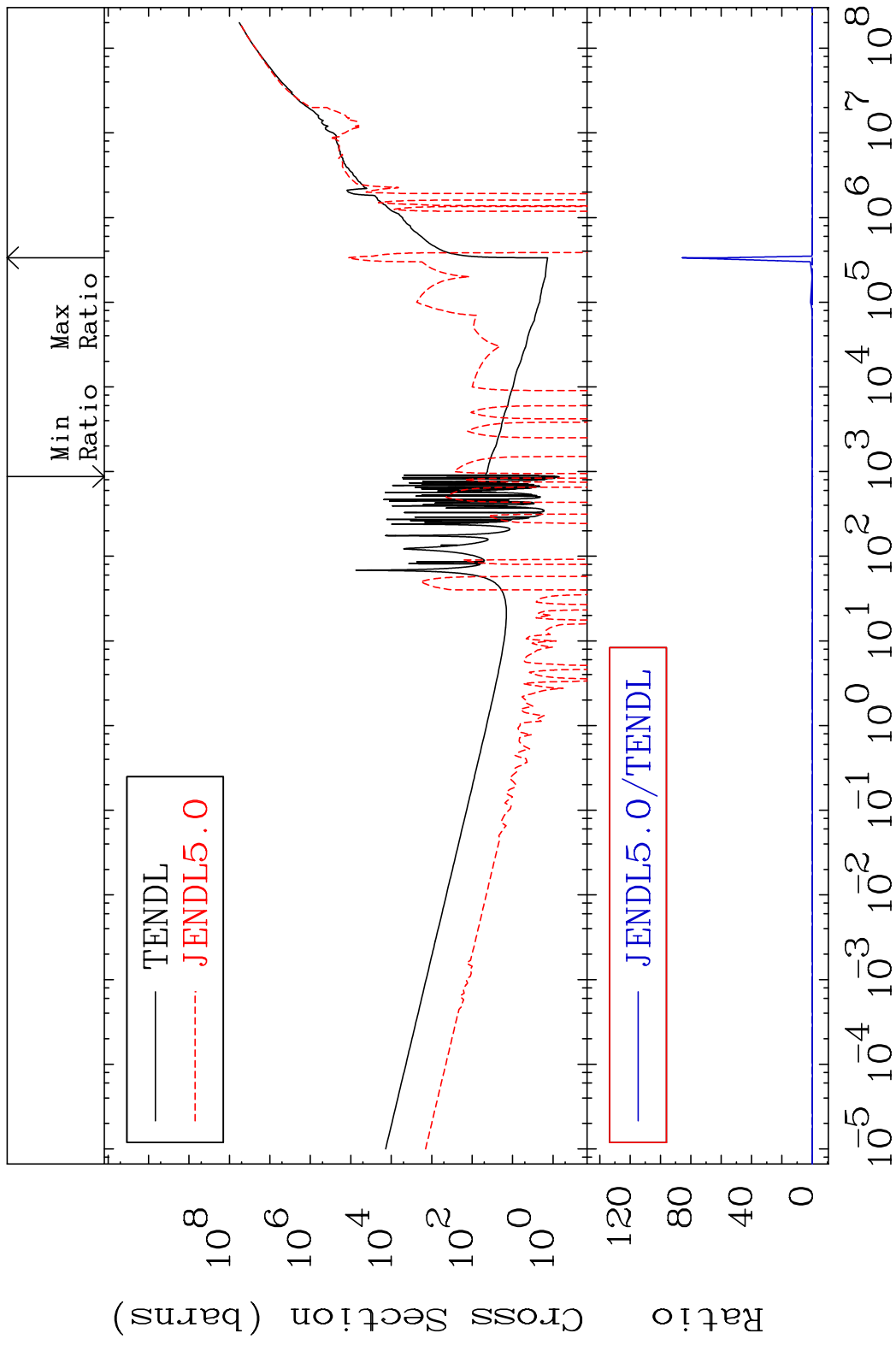
MAT 5137

Kerma elastic
Cross Section

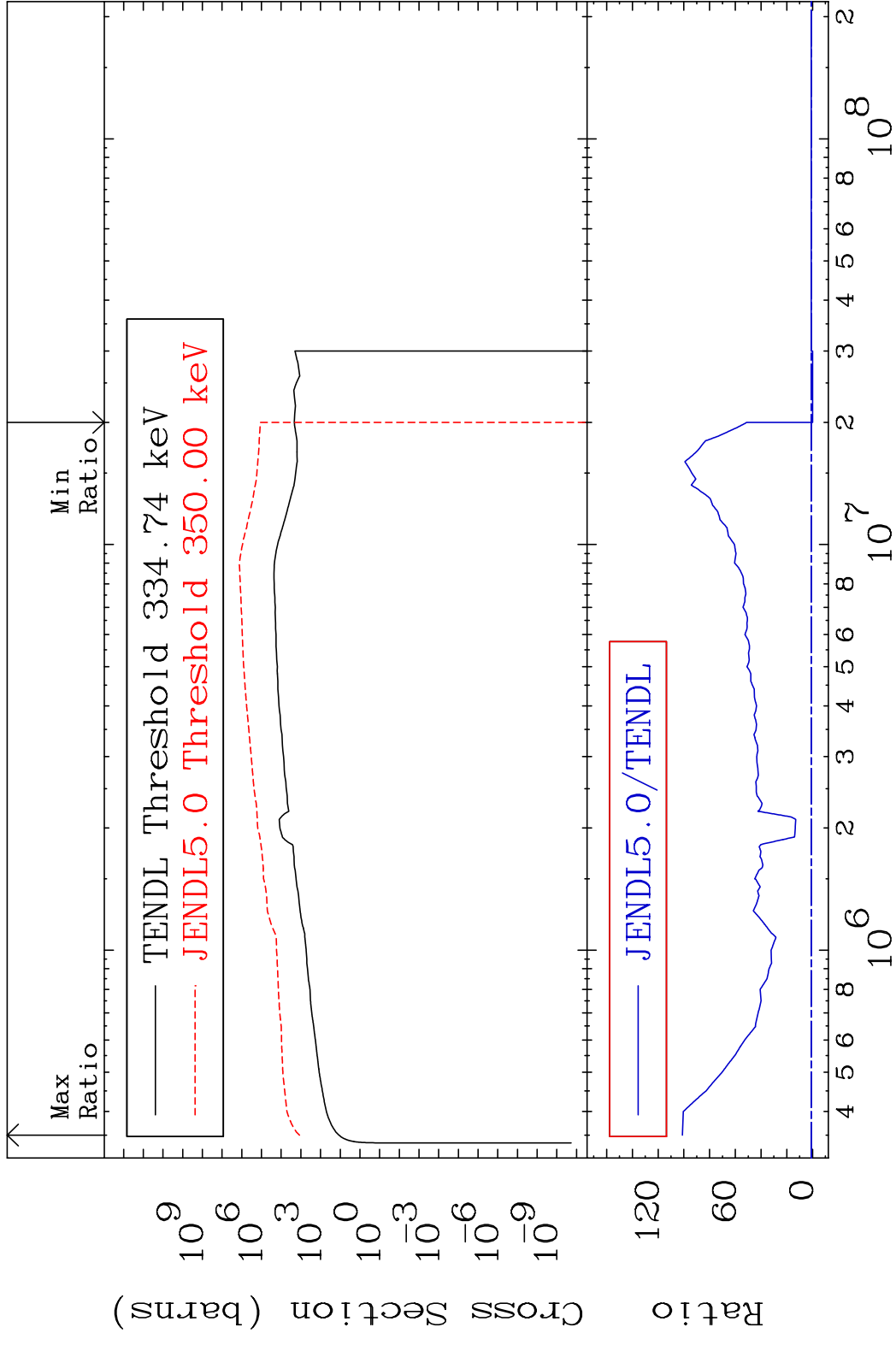
51-Sb-125
-99.81 To 2593. %



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

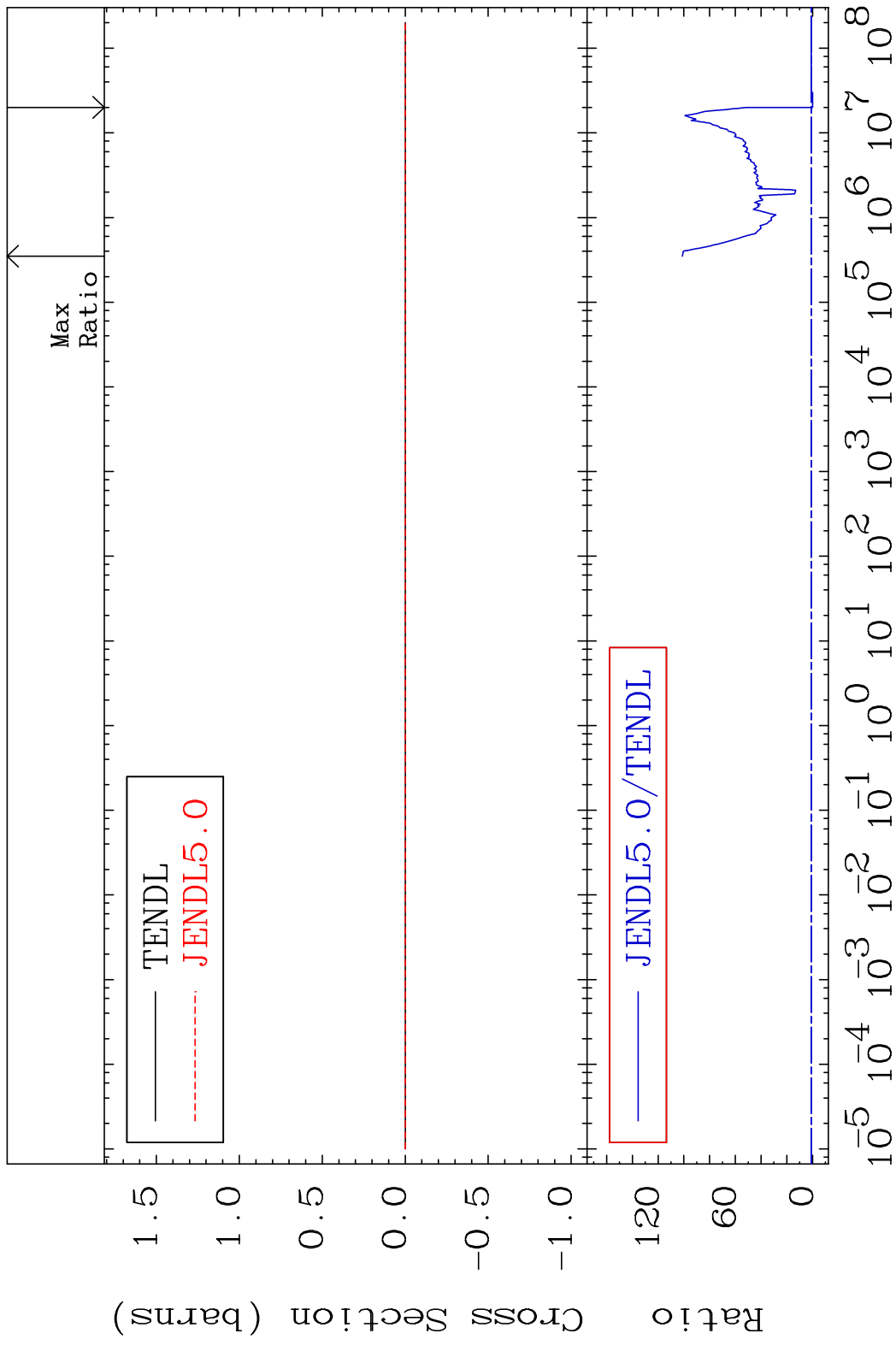


MAT 5137 Kerma inelastic (mt51-91) 51-Sb-125
 Cross Section -100.0 To 9999. %



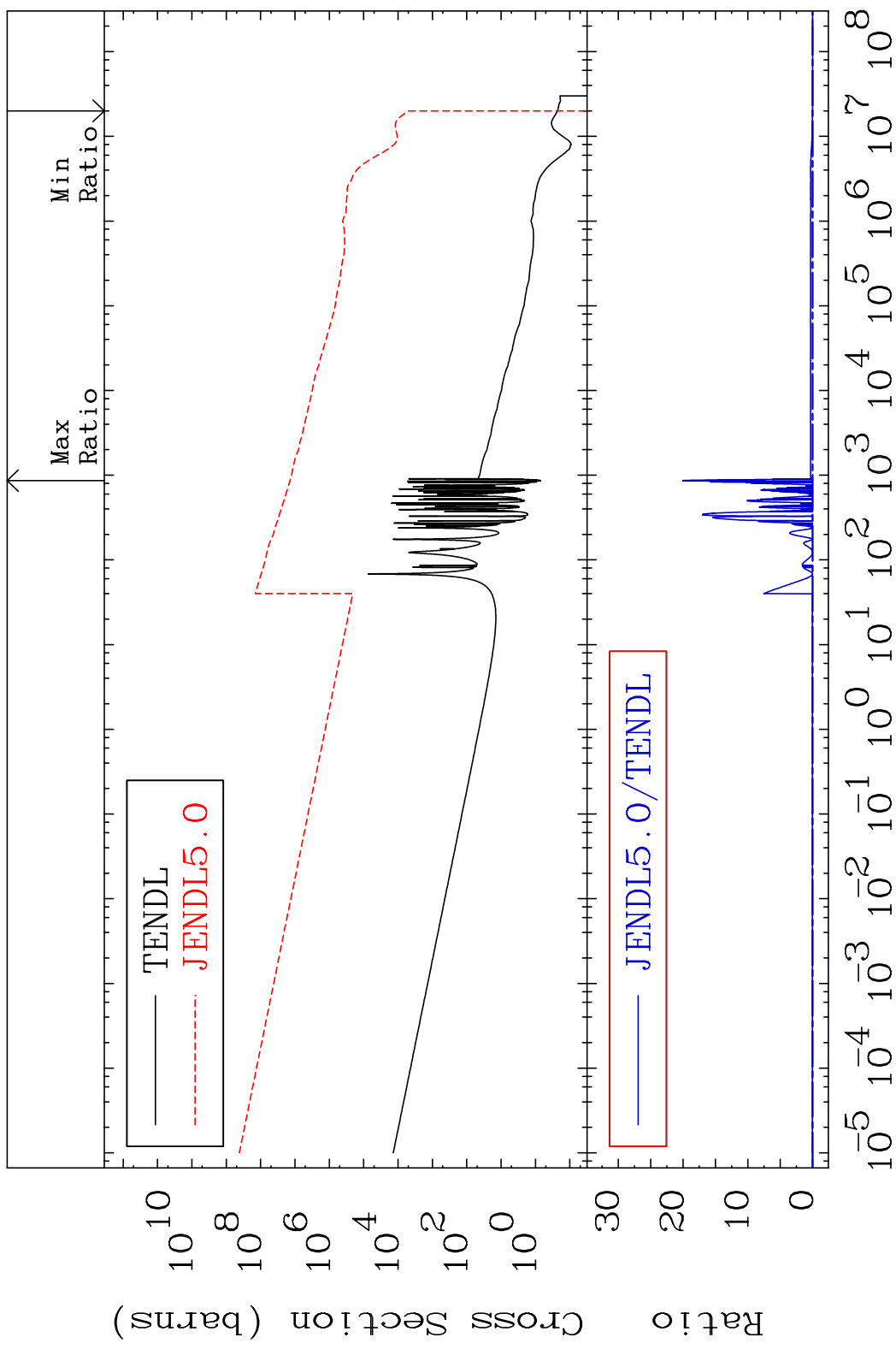
40 Incident Energy (eV) 51-Sb-125

MAT 5137 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-125
 Cross Section -100.0 To 9999. %



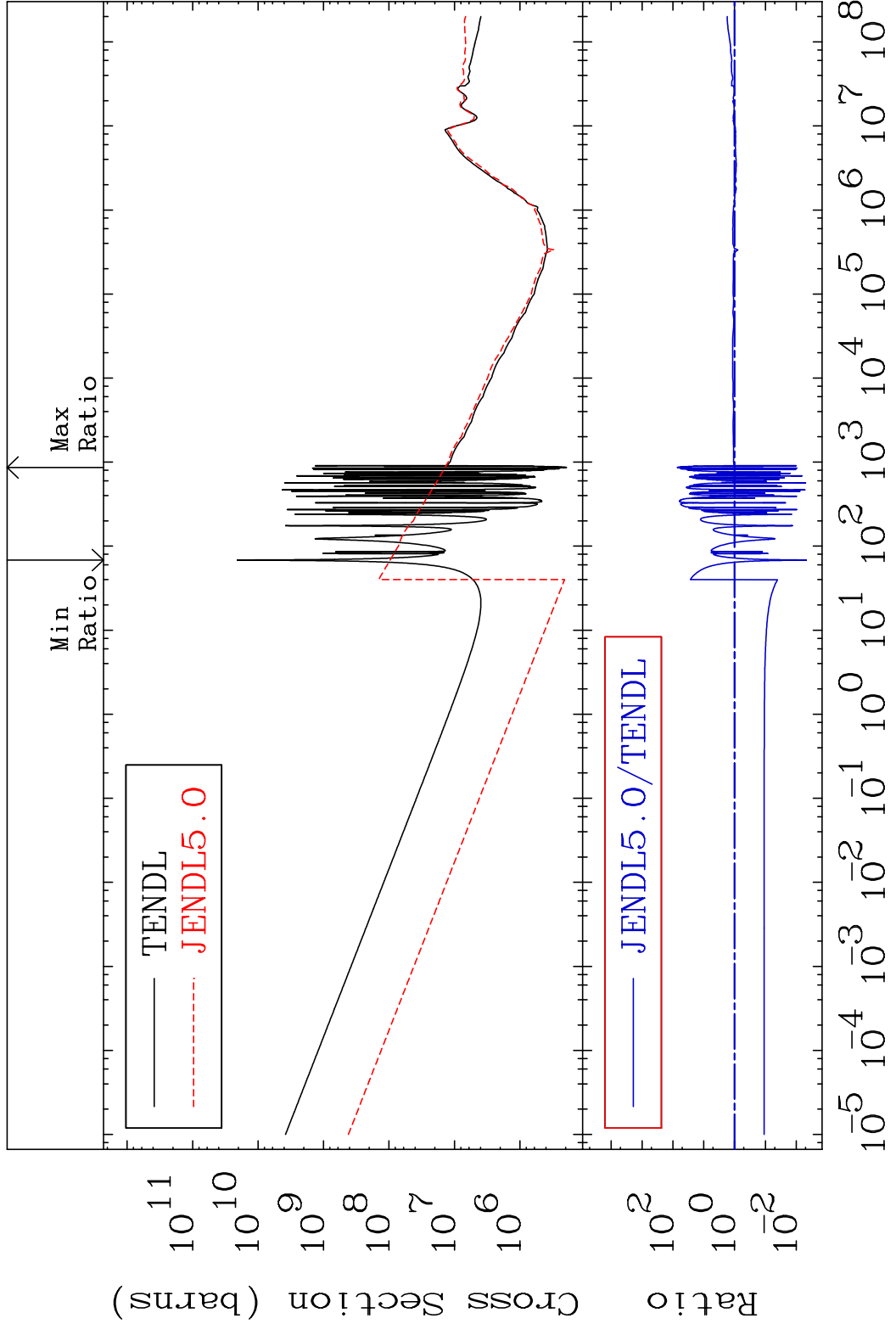
MAT 5137

Kerma capture (mt102) 51-Sb-125
Cross Section -100.0 To 9999. %



MAT 5137

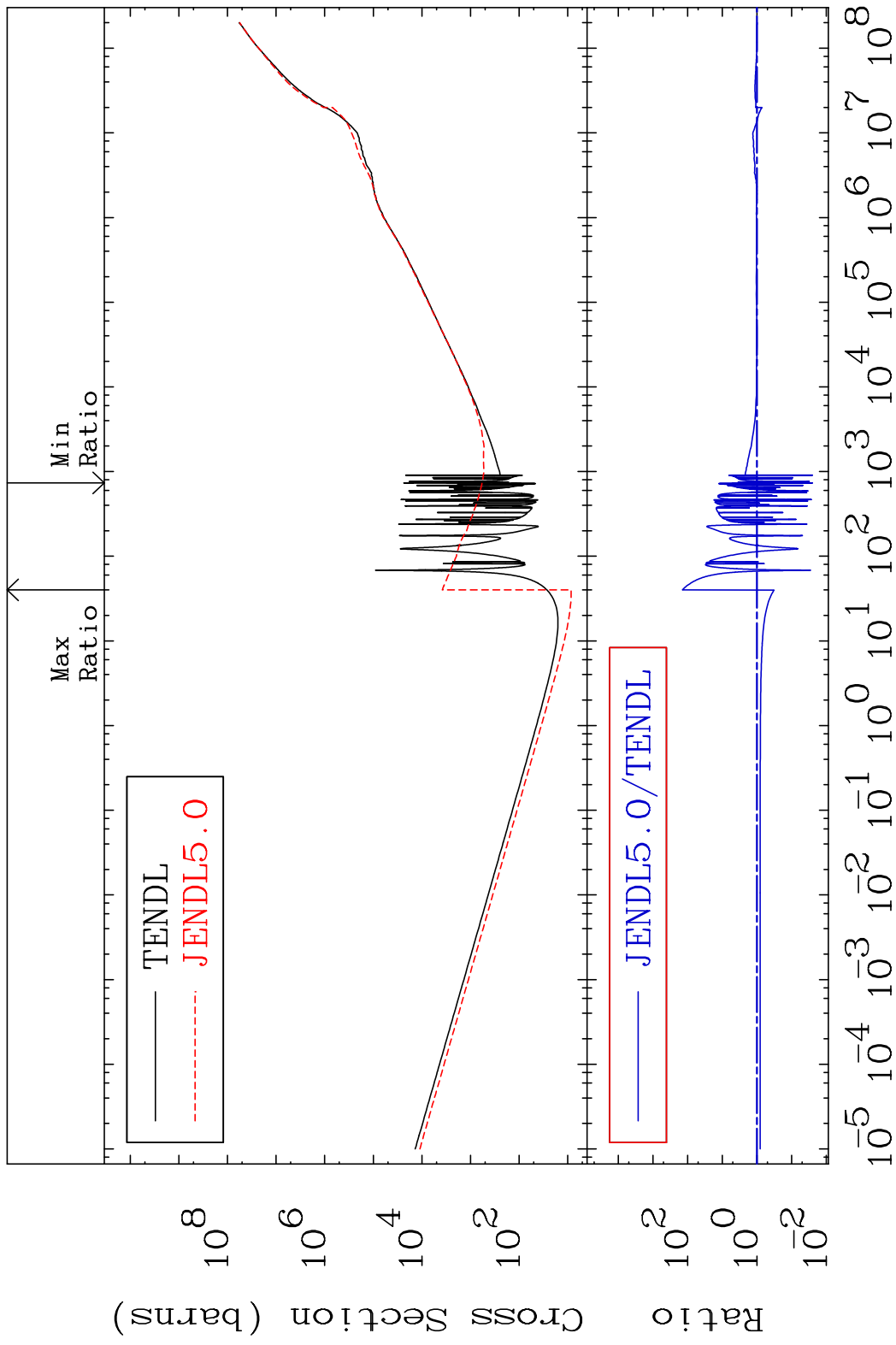
Total photon (eV-barns) 51-Sb-125
Cross Section -99.53 To 7145. %



43

Incident Energy (eV) 51-Sb-125

MAT 5137 Total kinematic kerma (high limit) 51-Sb-125
 Cross Section -97.52 To 9999. %

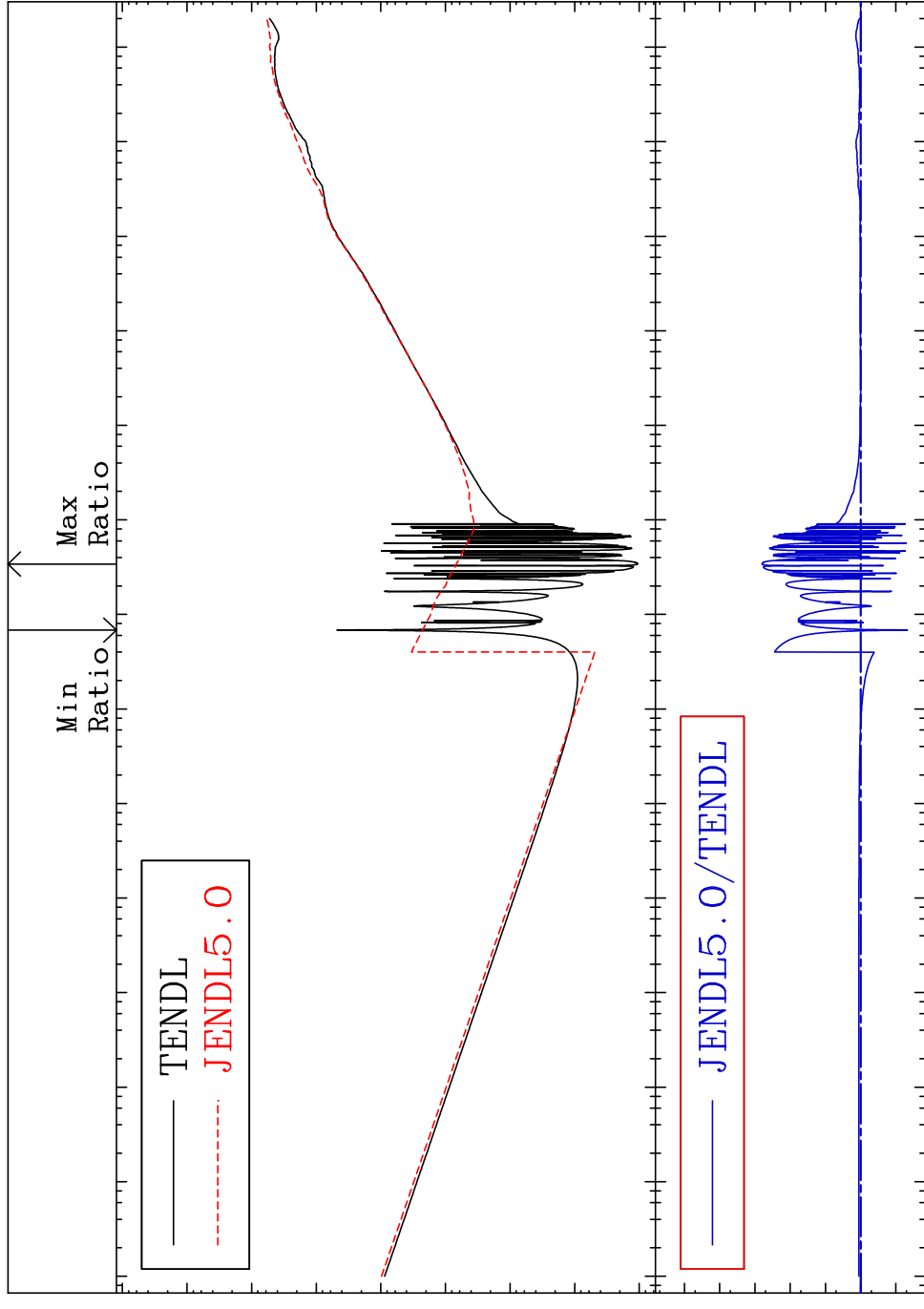


MAT 5137

Dpa total (eV-barns)

51-Sb-125

Cross Section -95.22 To 9999. %



Cross Section (barns)
Ratio

Incident Energy (eV)

45

Incident Energy (eV)

51-Sb-125

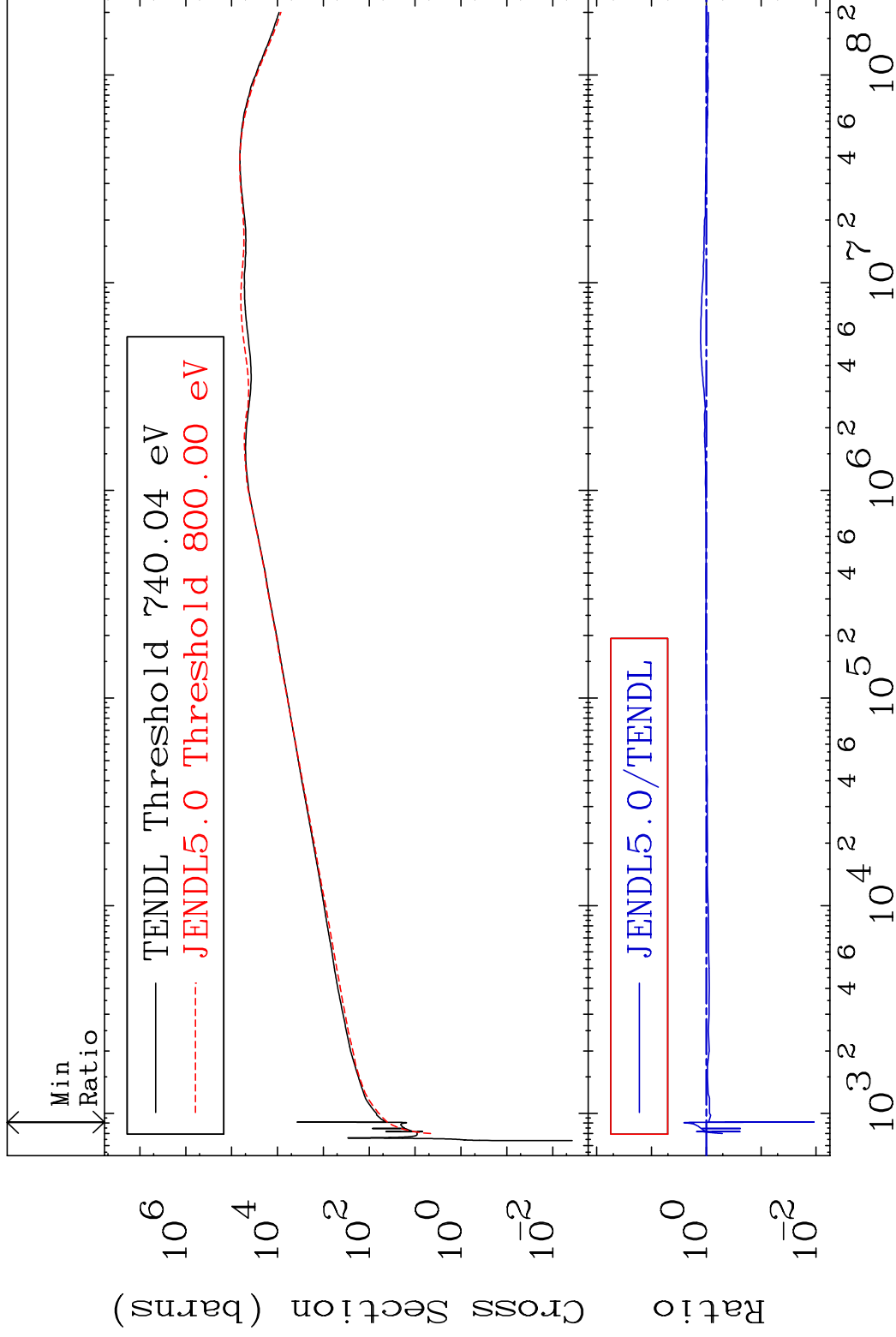
MAT 5137

Dpa elastic (mt2)

51-Sb-125

Cross Section

-98.92 To 159.3 %

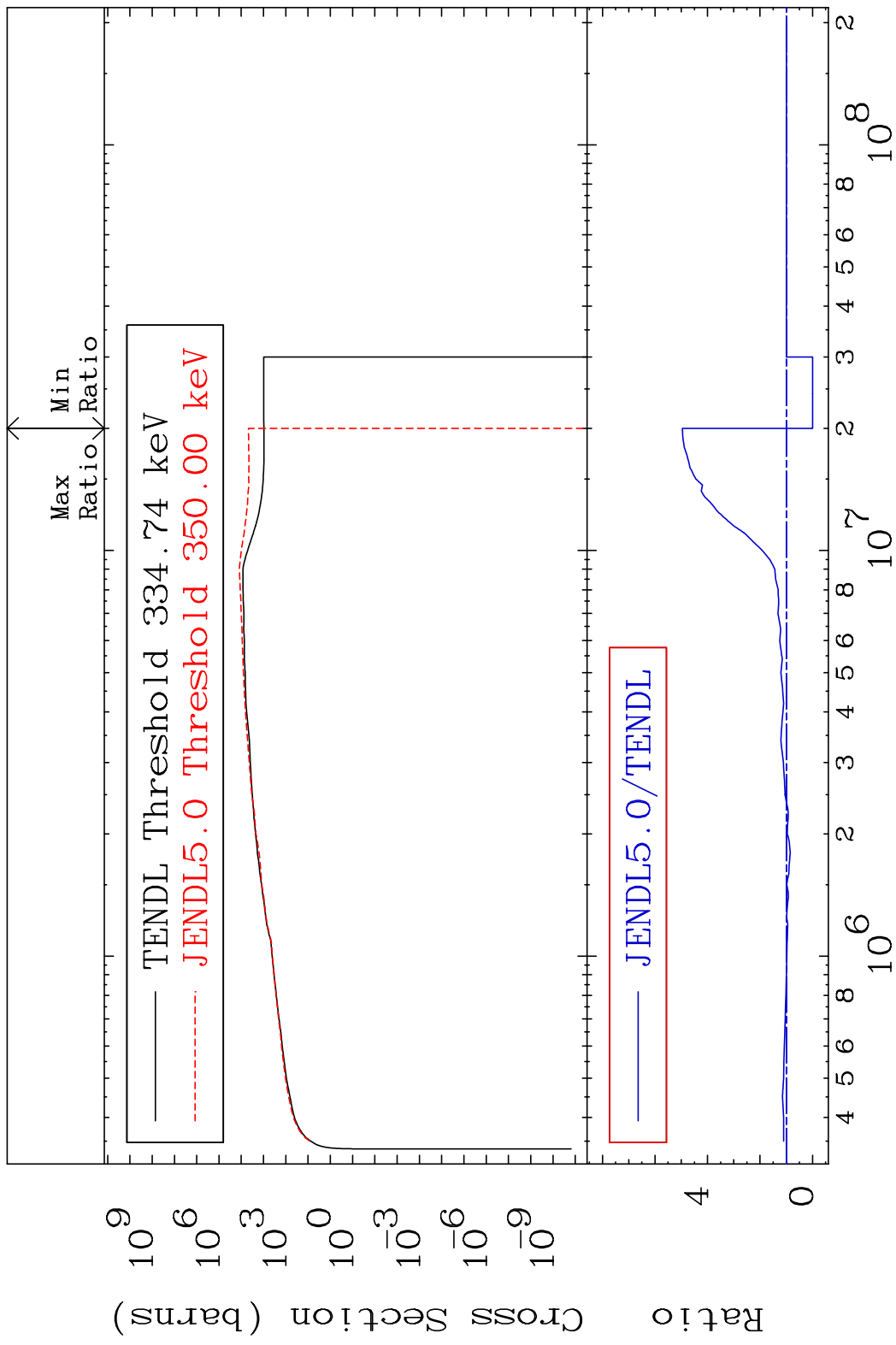


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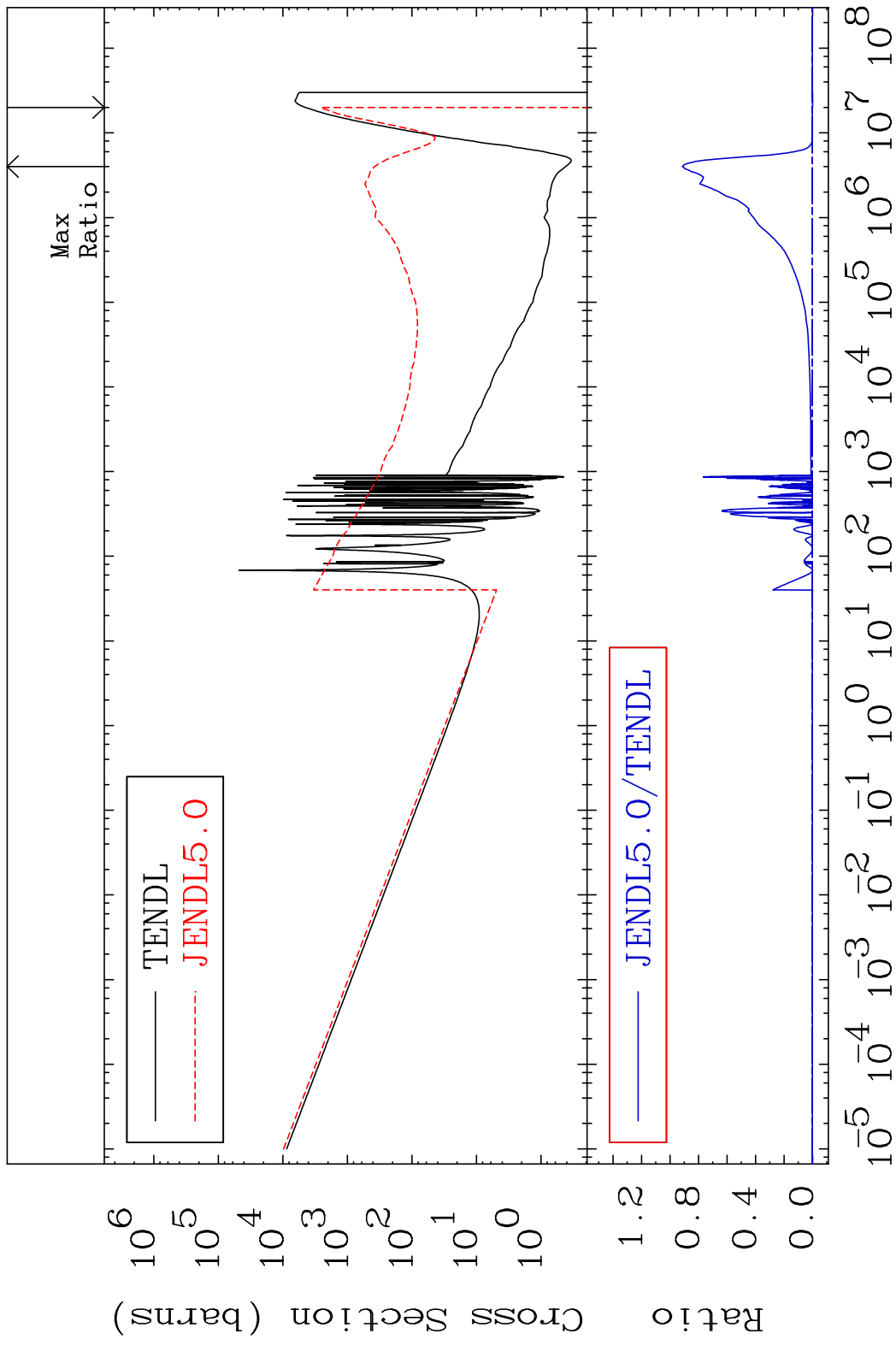
Incident Energy (eV)

51-Sb-125

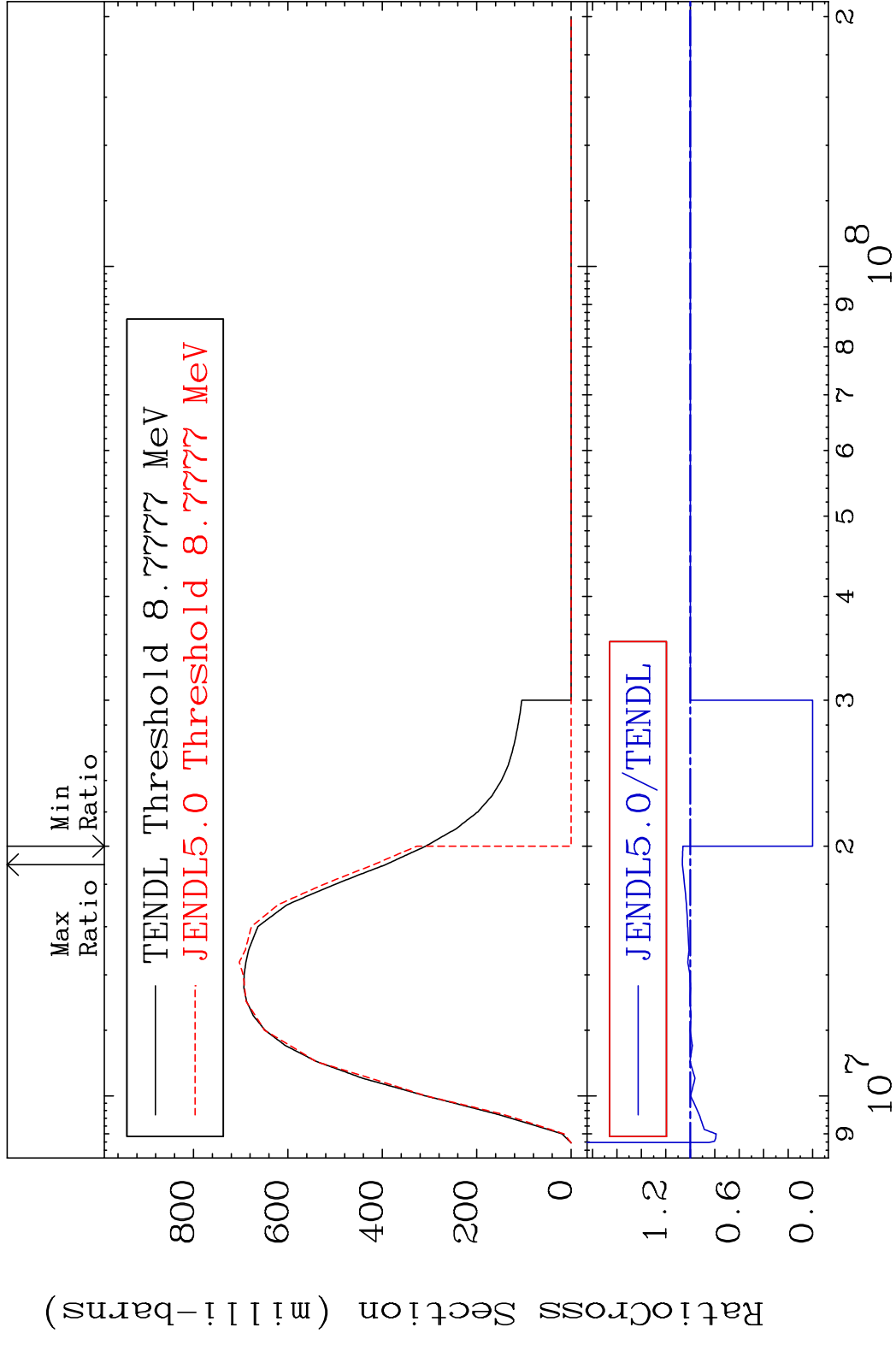
MAT 5137 Dpa inelastic (mt51-91) 51-Sb-125
 Cross Section -100.0 To 395.8 %



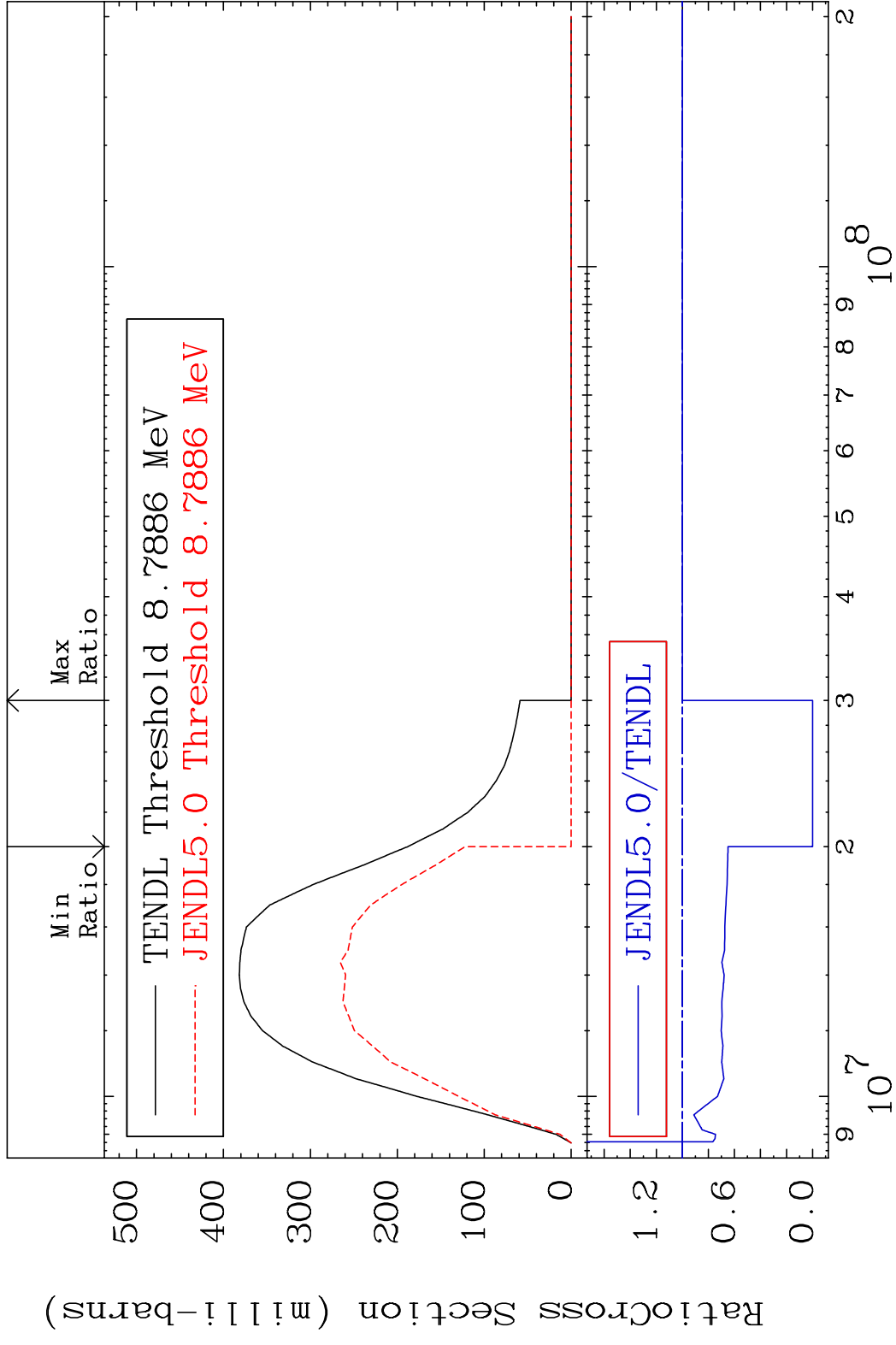
MAT 5137 Dpa disappearance (mt102 -120) 51-Sb-125
 Cross Section -100.0 To 9999. %



MAT 5137 (n,2n):51-Sb-124g 51-Sb-125
 Radionuclide Production Cross Section Ratio 6.469 %

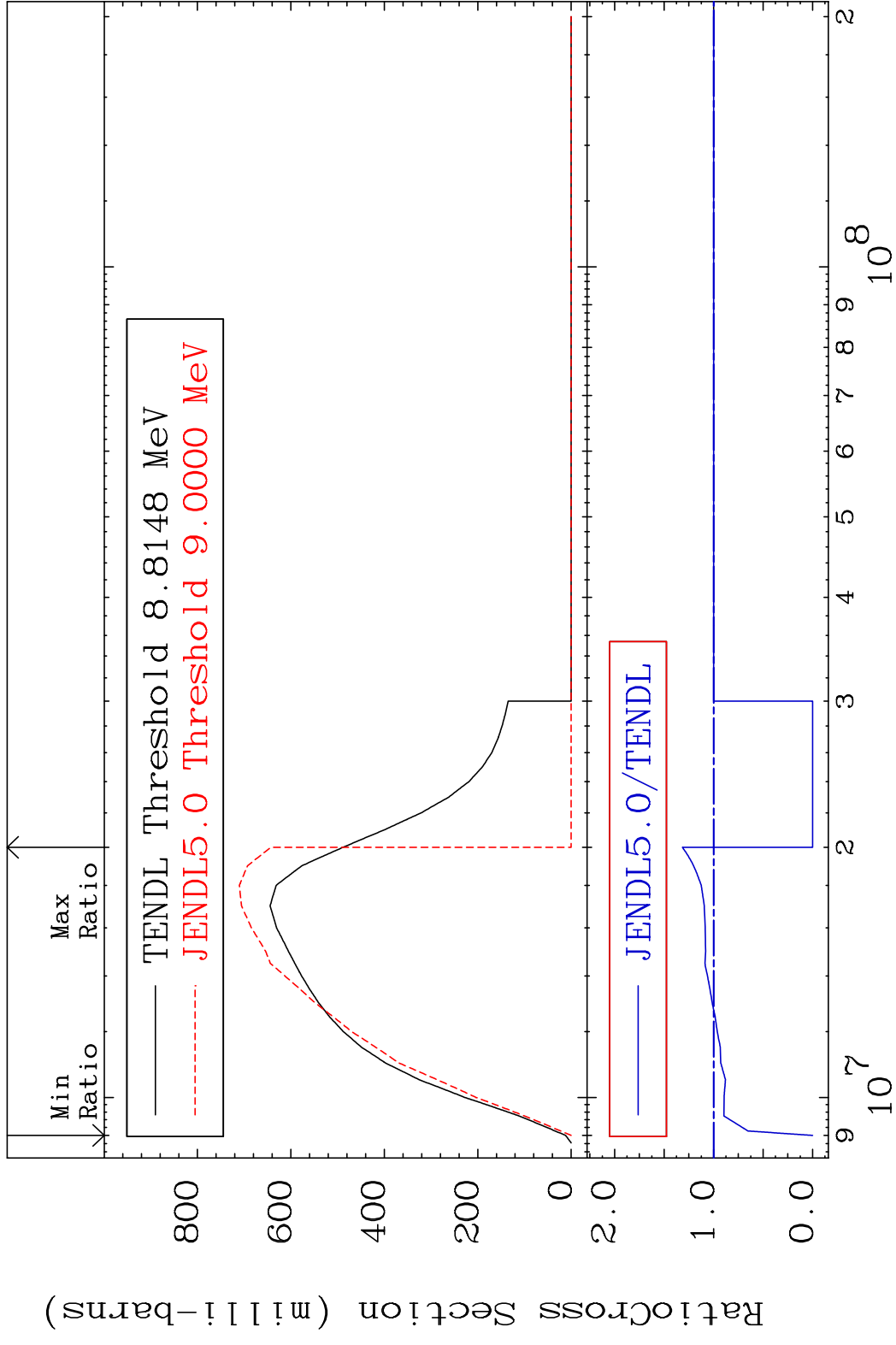


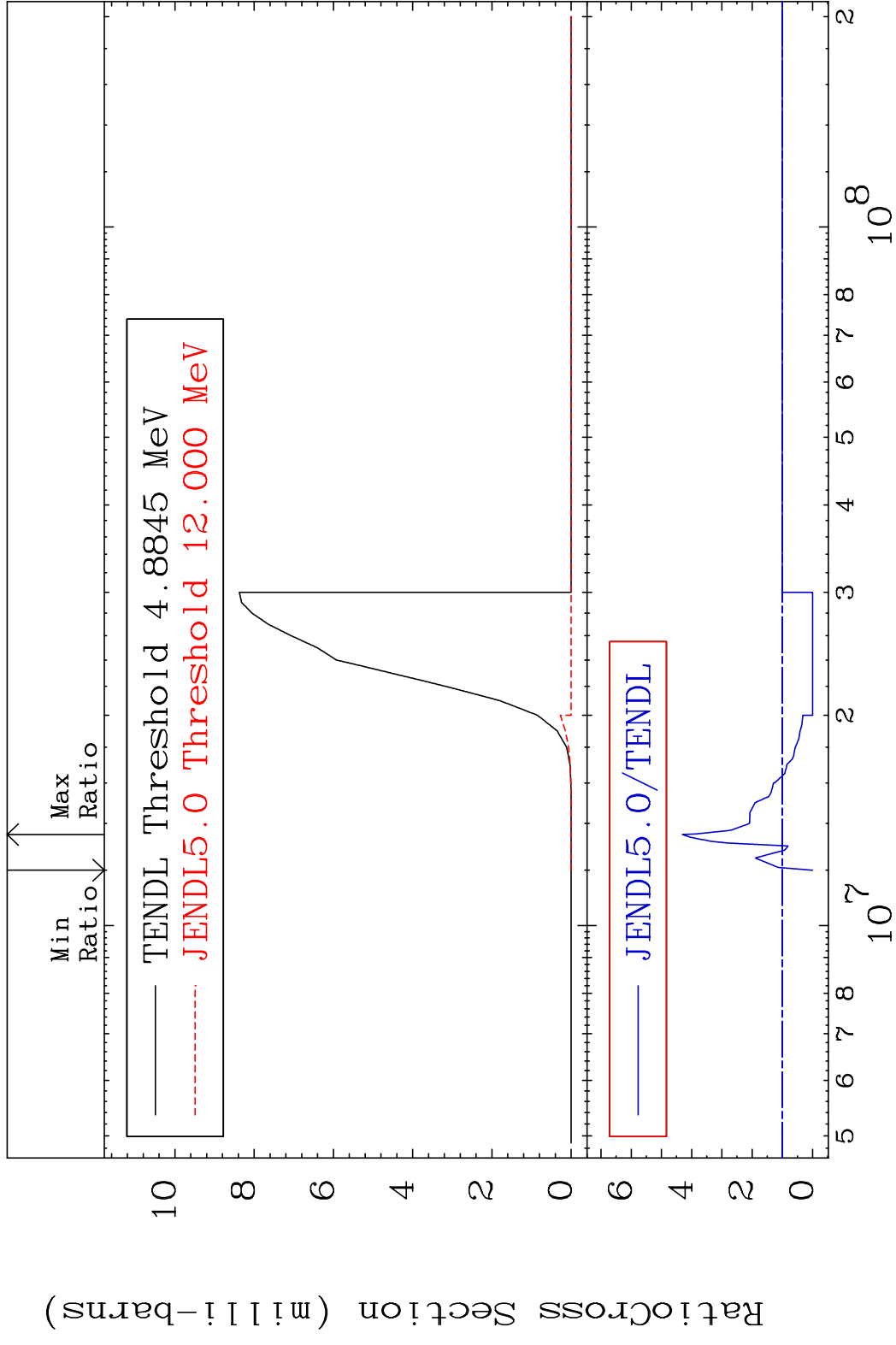
MAT 5137 (n, 2n):51-Sb-124m1 51-Sb-125
 Radionuclide Production Cross Section 180.0 mb 0.000 %

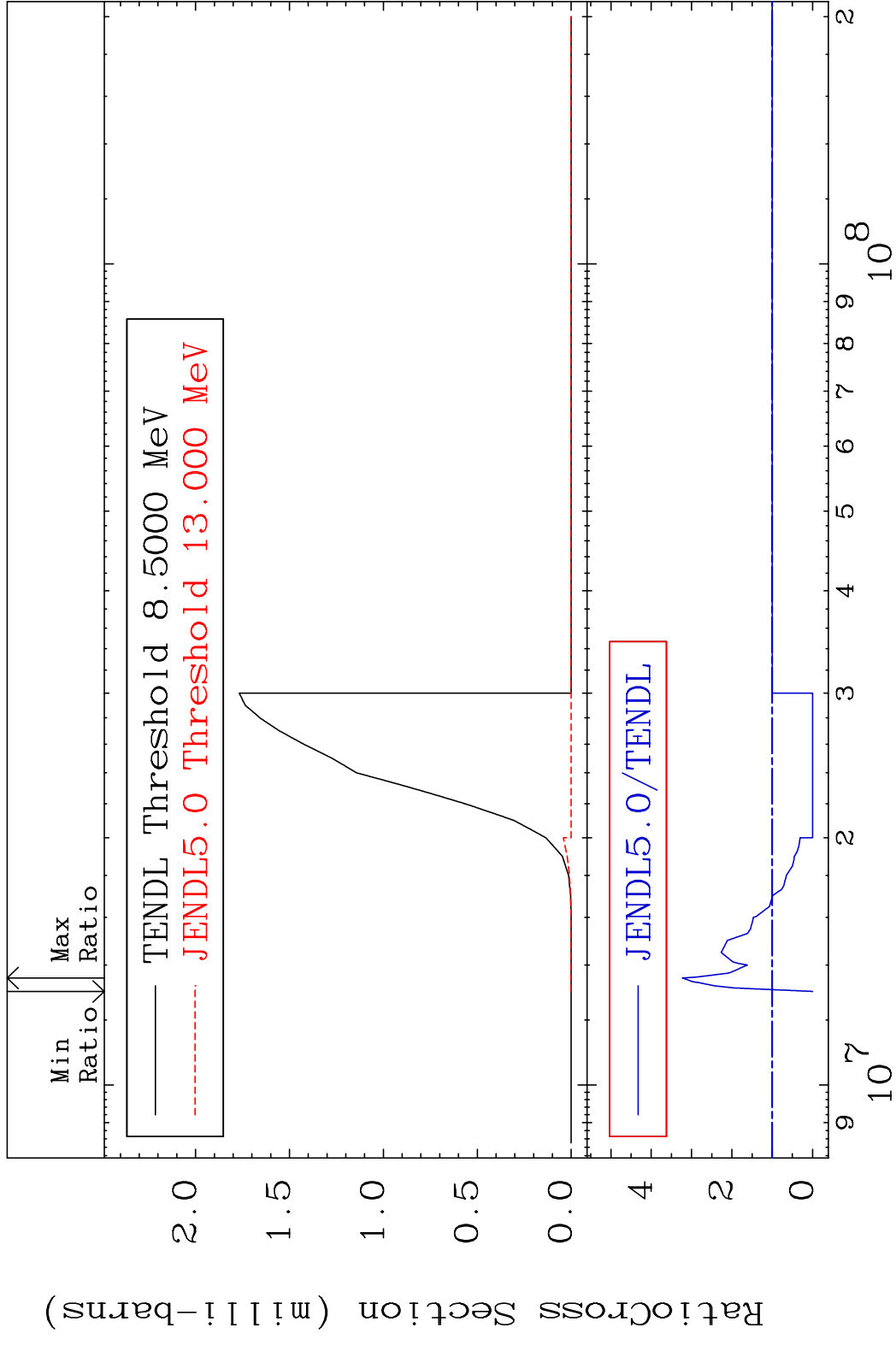


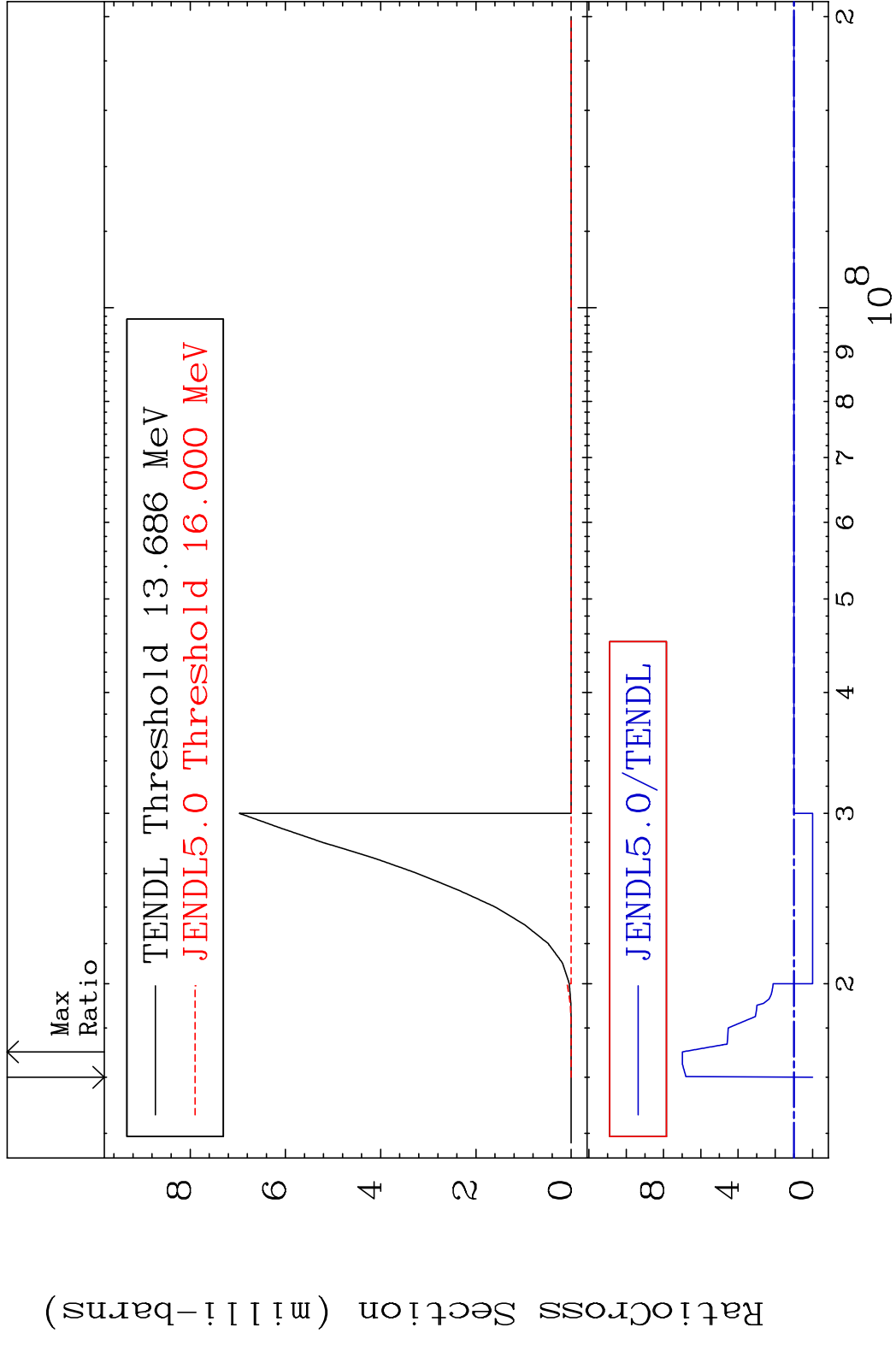
50 Incident Energy (eV) 51-Sb-125

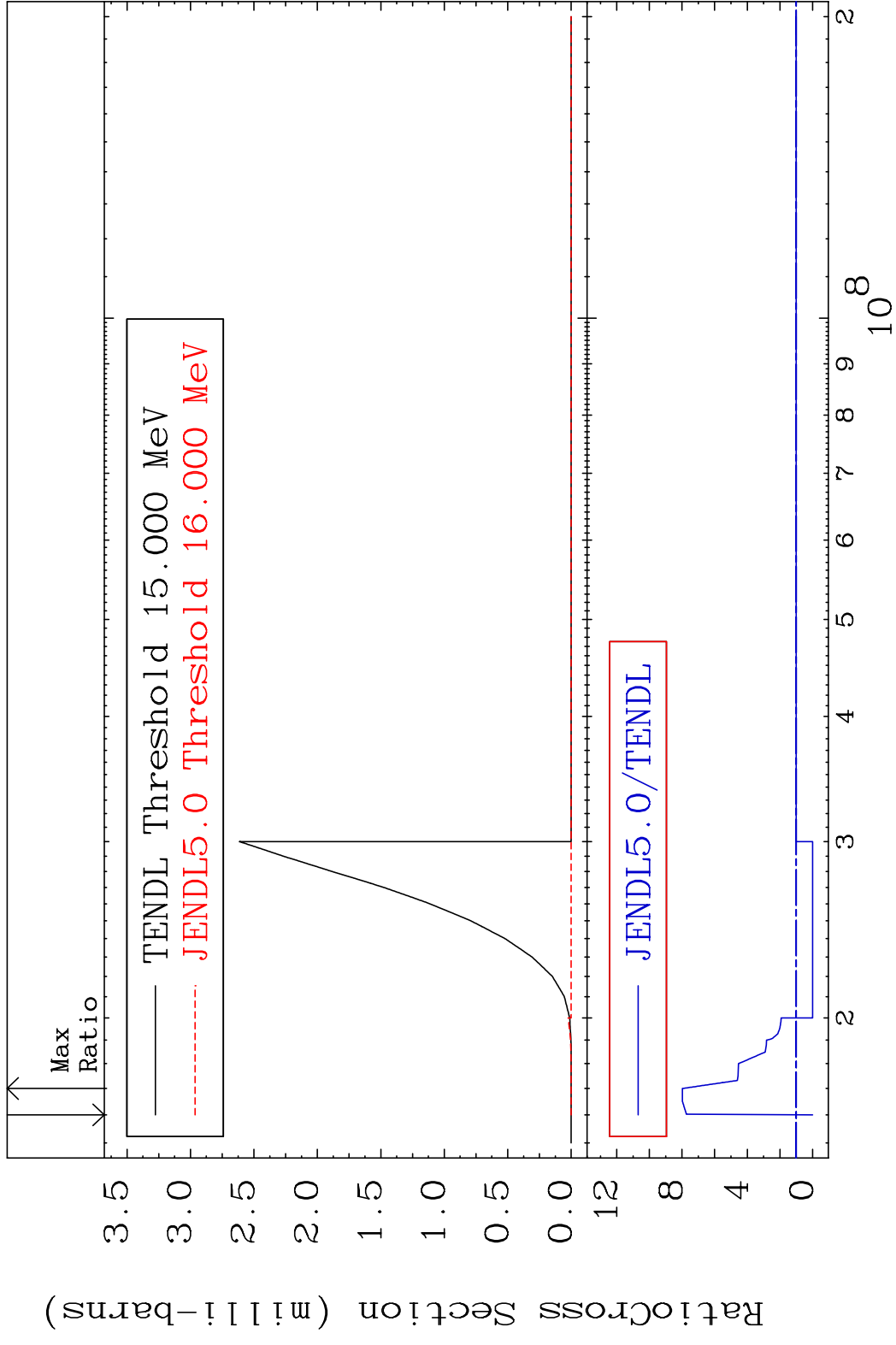
MAT 5137 (n,2n):51-Sb-124m2 51-Sb-125
 Radionuclide Production Cross Section 180.01 dth 31.57 %

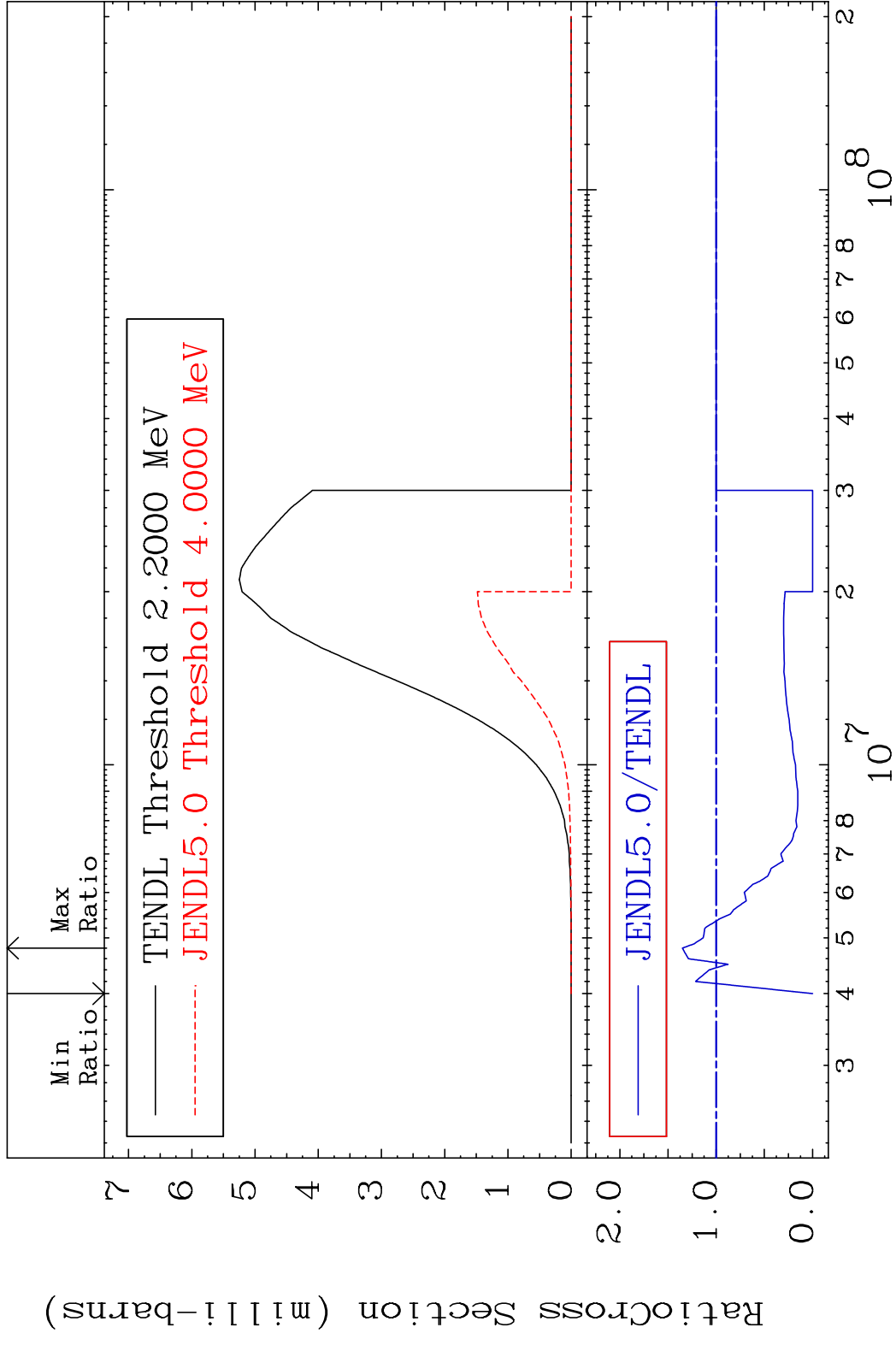




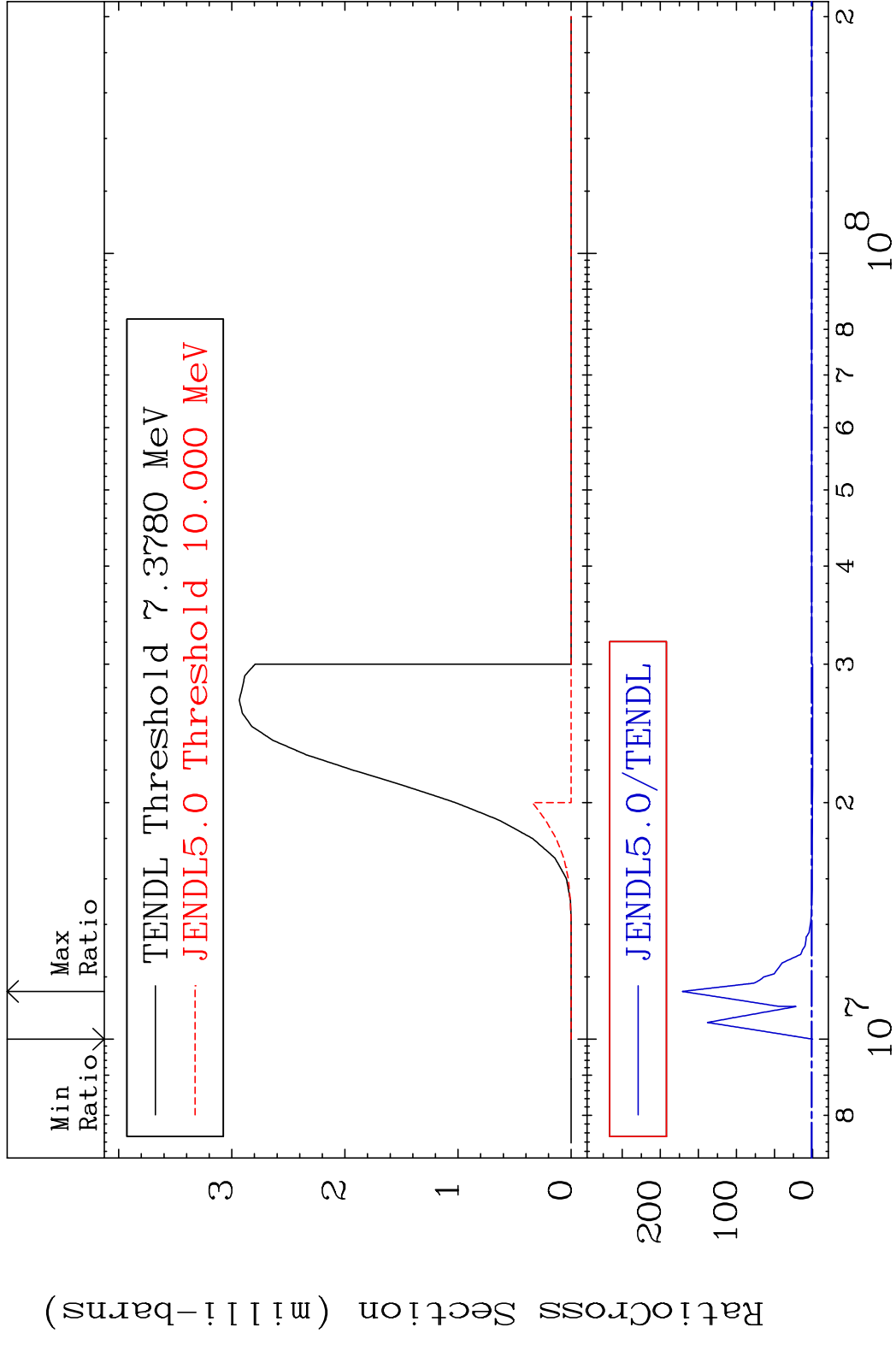


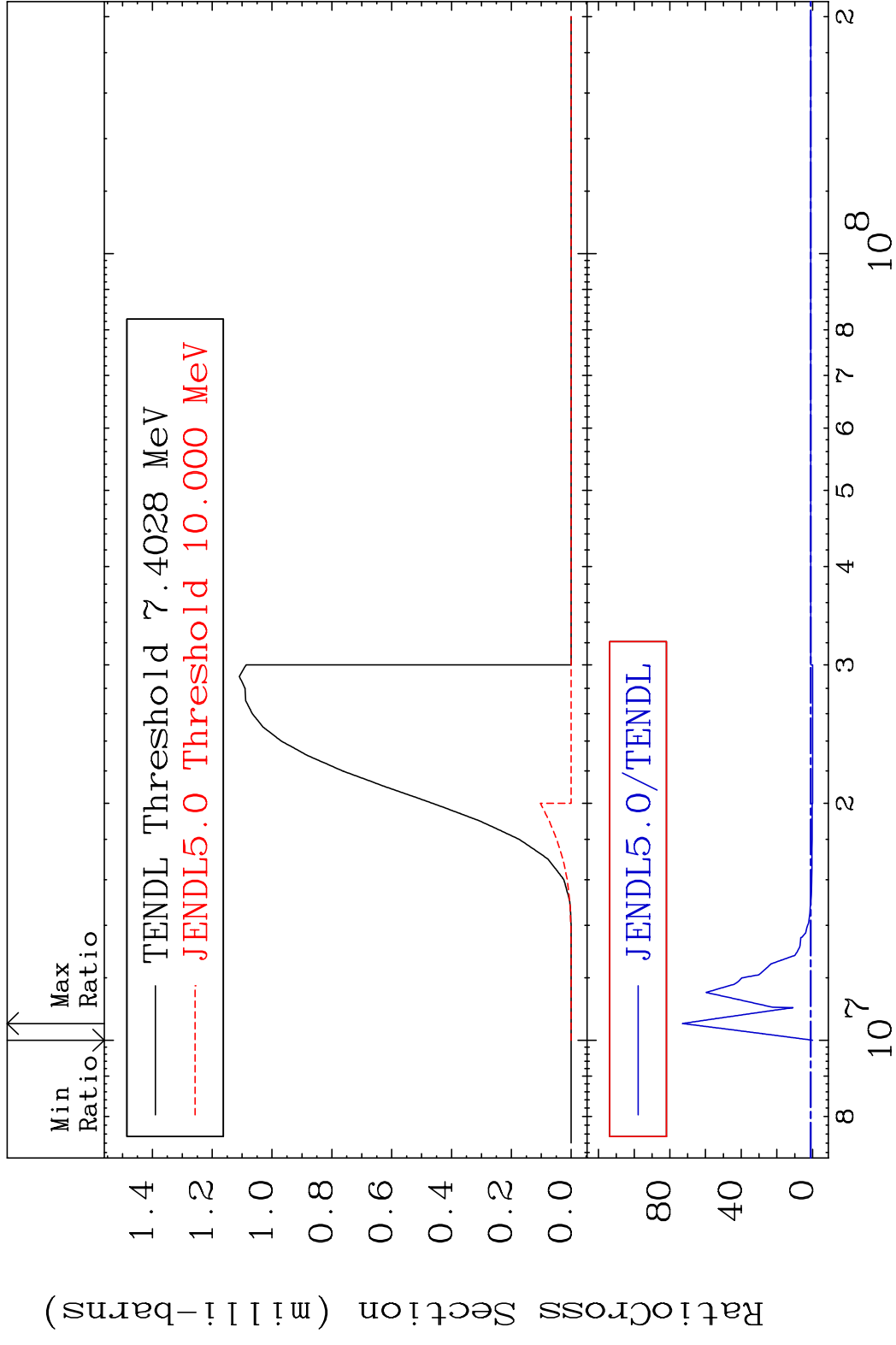


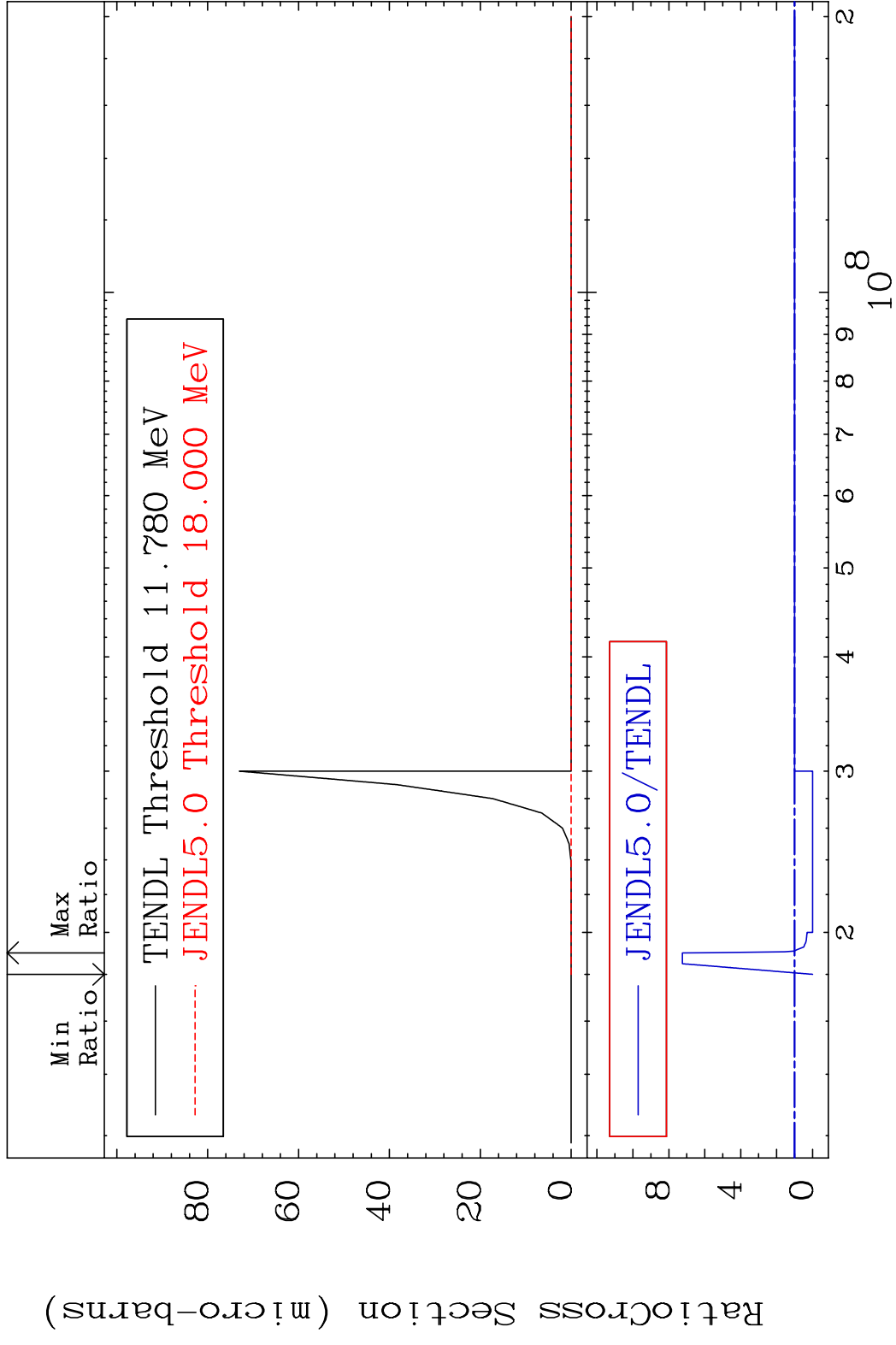




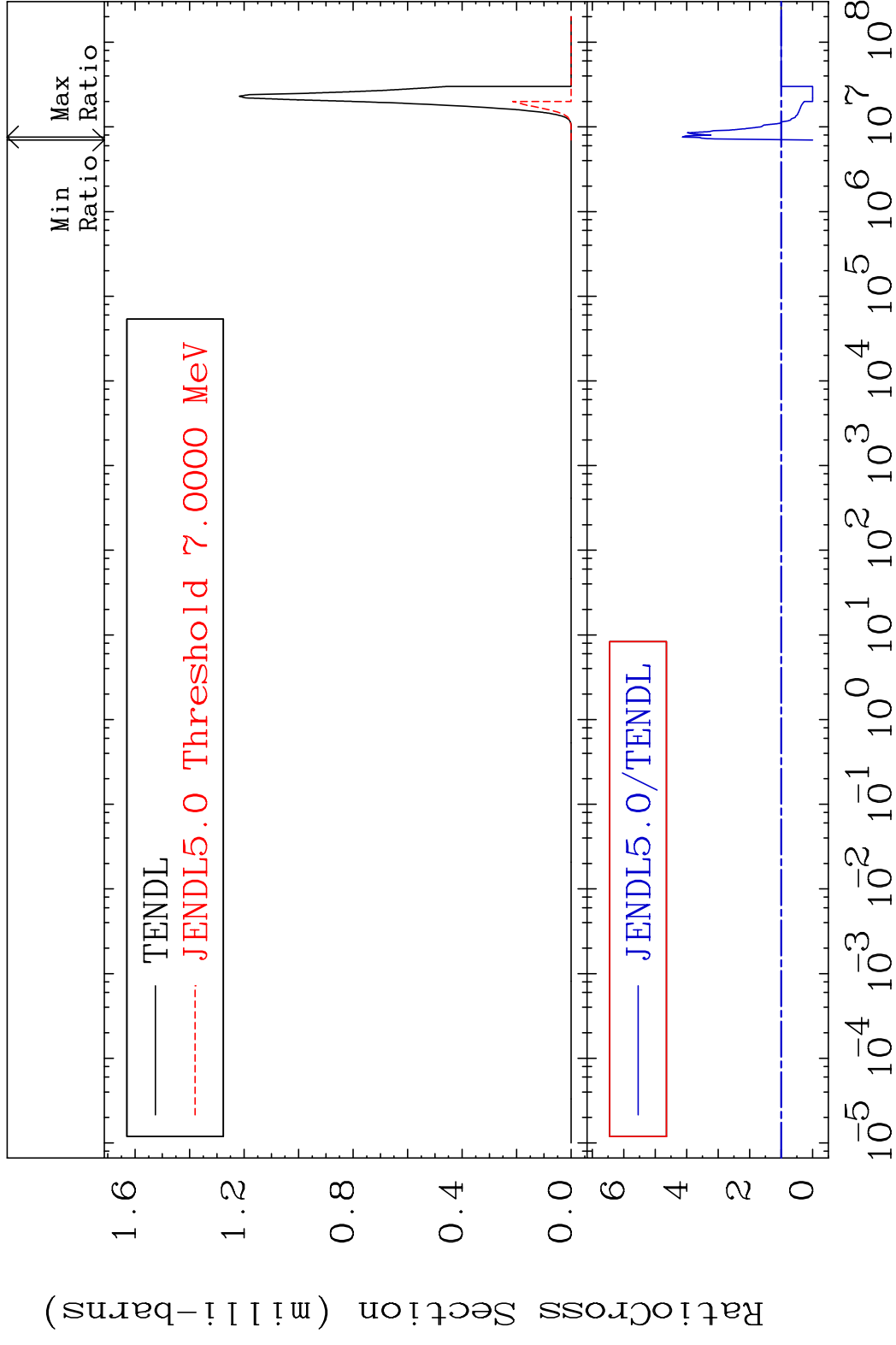
MAT 5137 (n,t):50-Sn-123g 51-Sb-125
 Radionuclide Production Cross Section 100.00 dth 9999. %

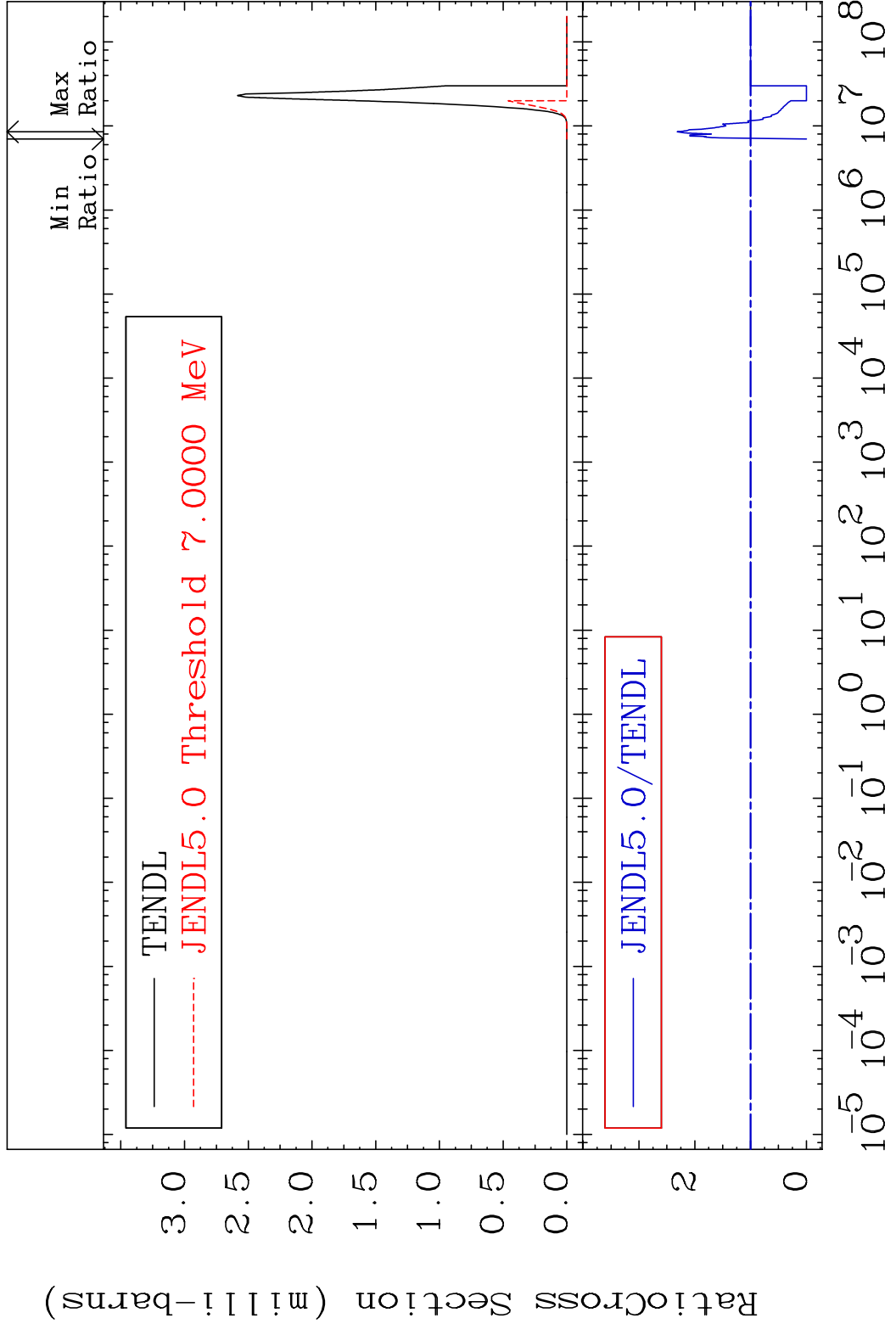


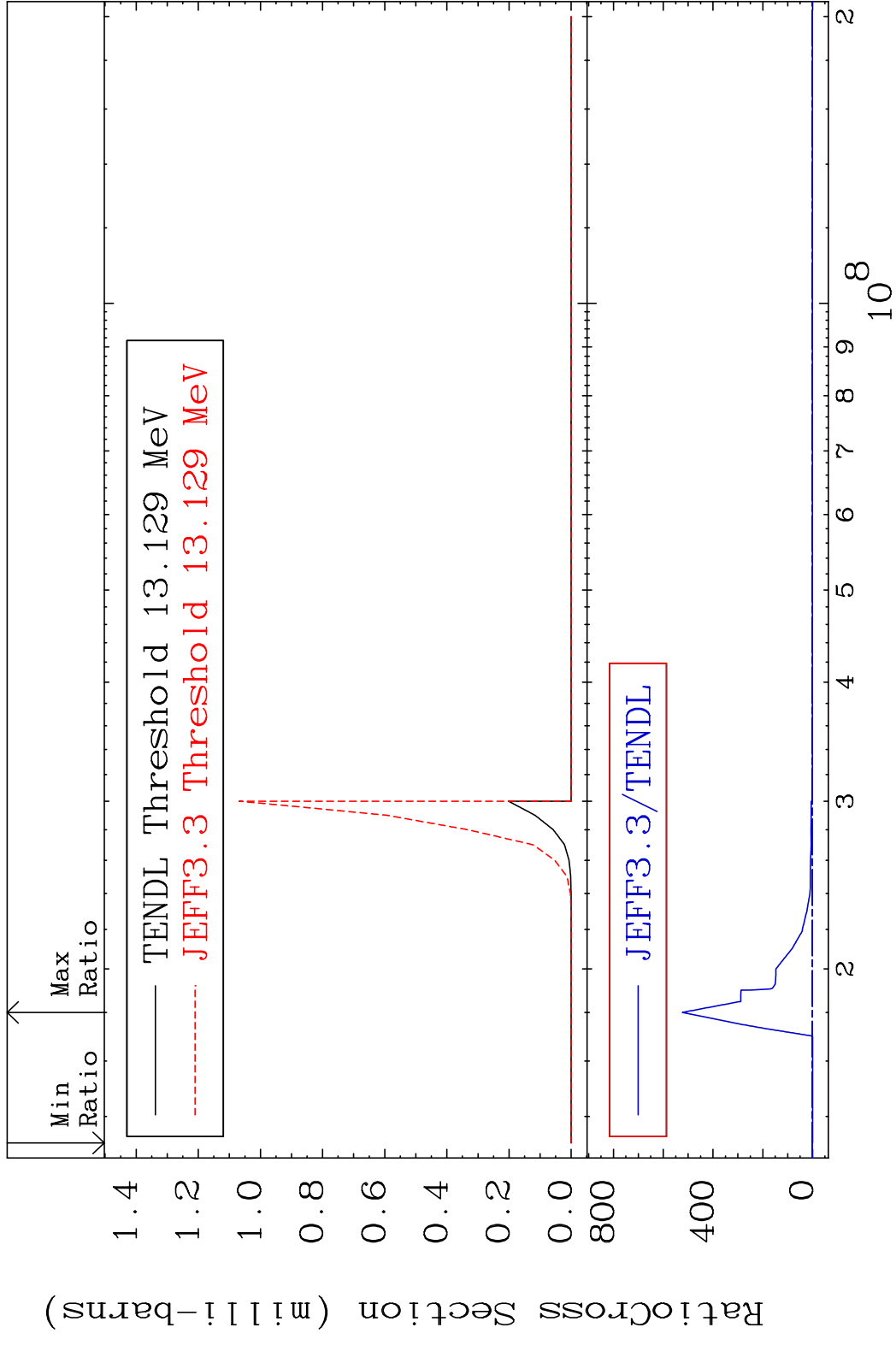


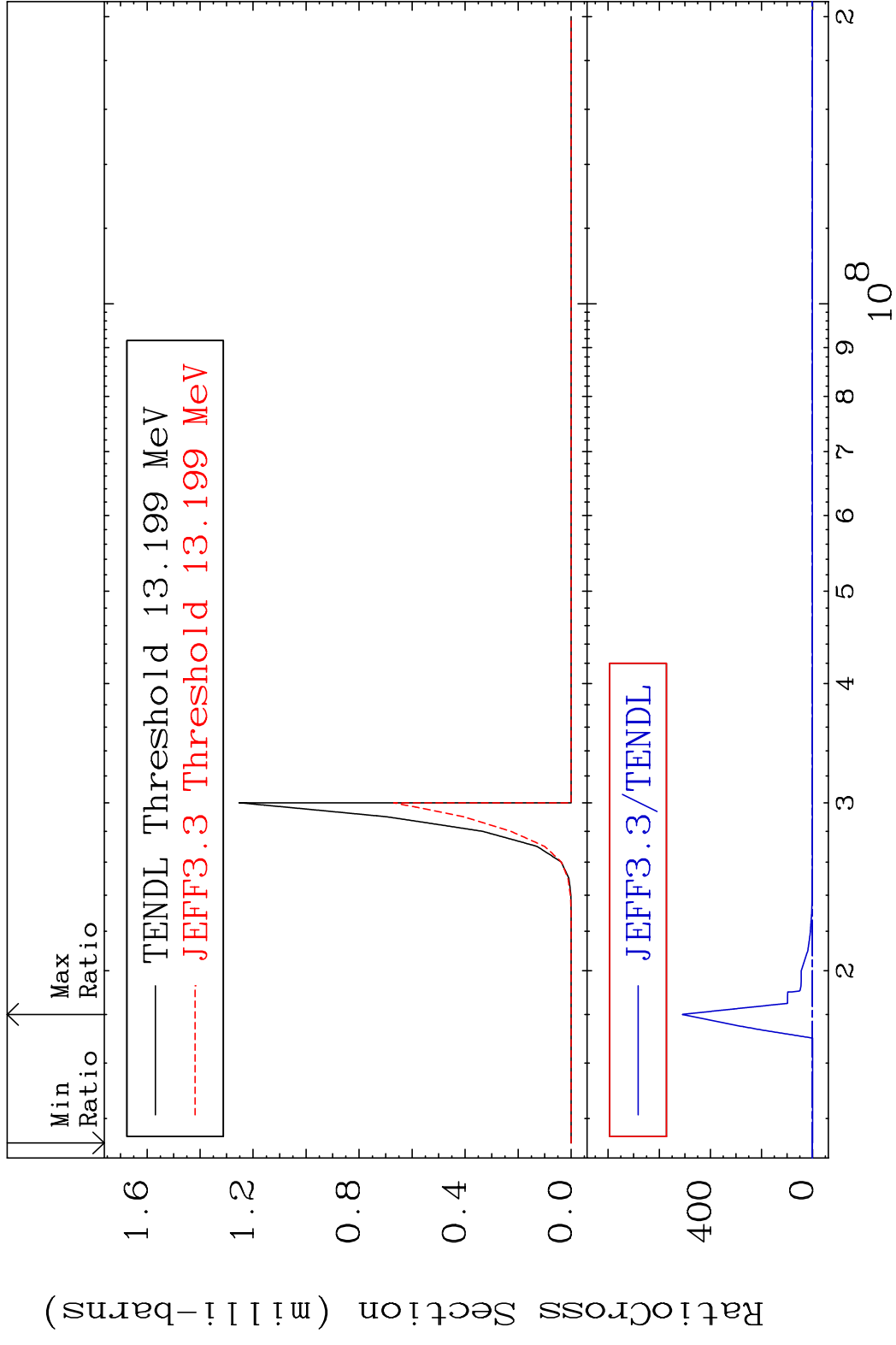


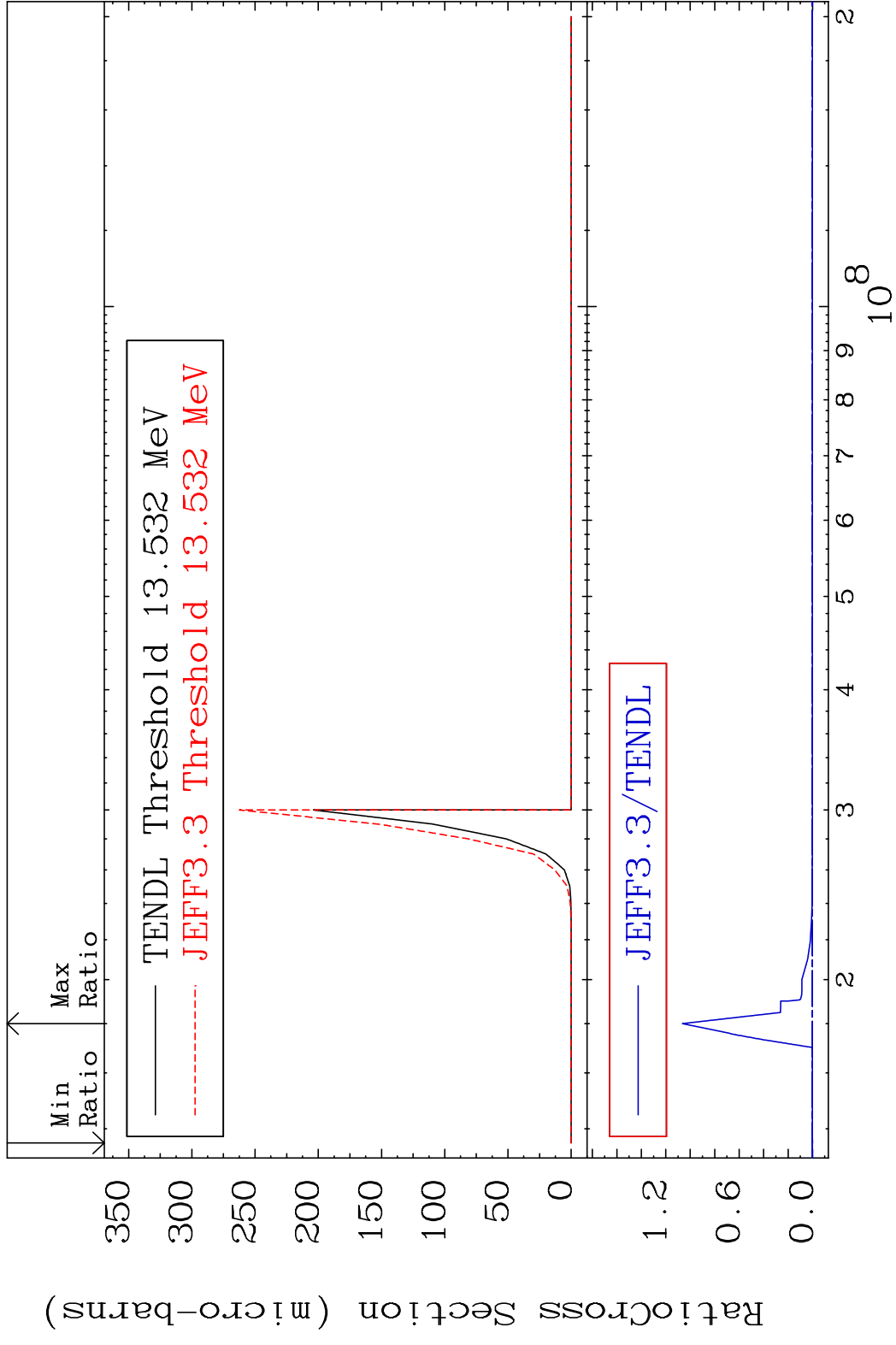
MAT 5137 (n,α):49-In-122g 51-Sb-125
 Radionuclide Production Cross Section 180.01 dth 313.8 %

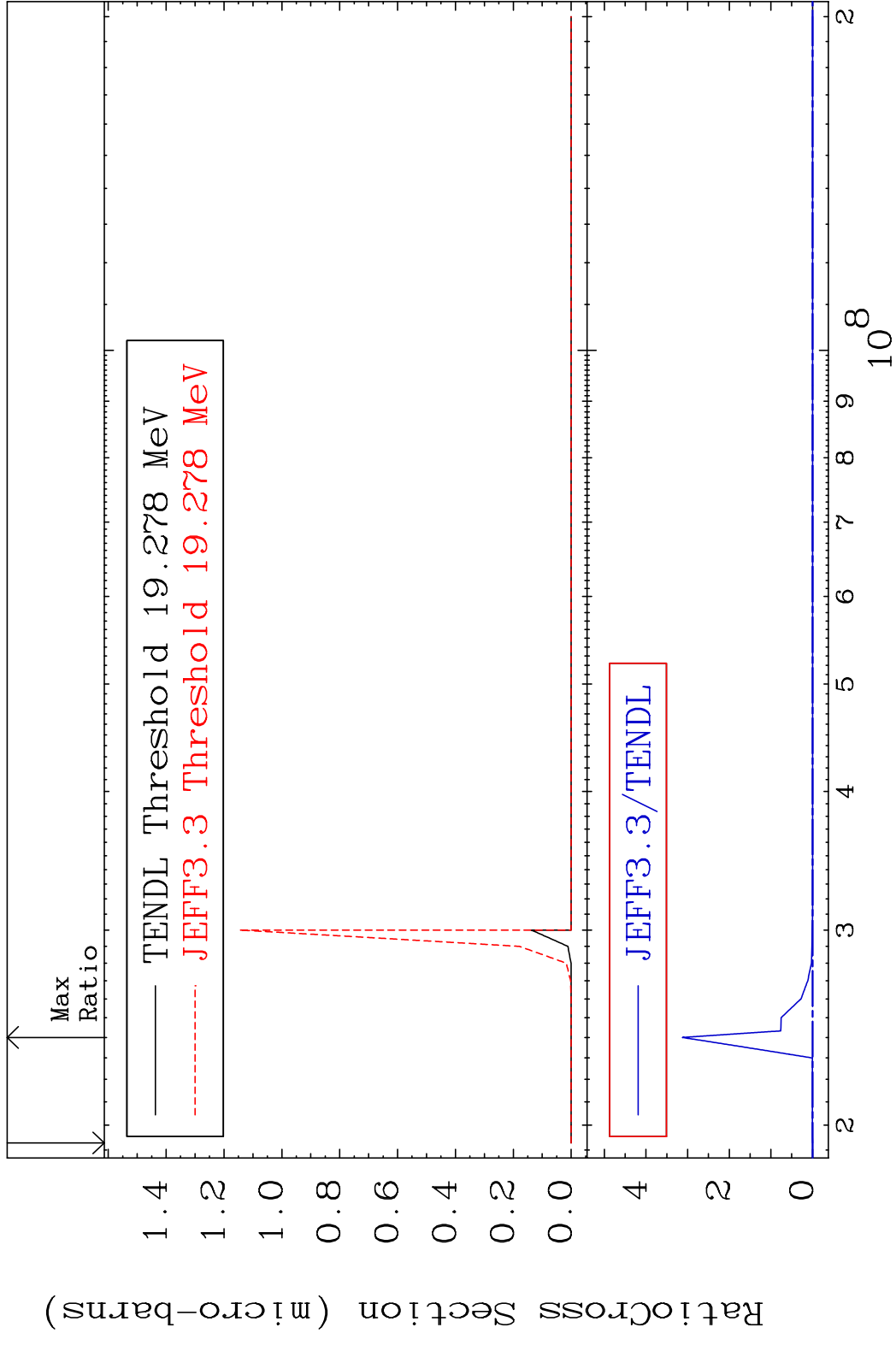


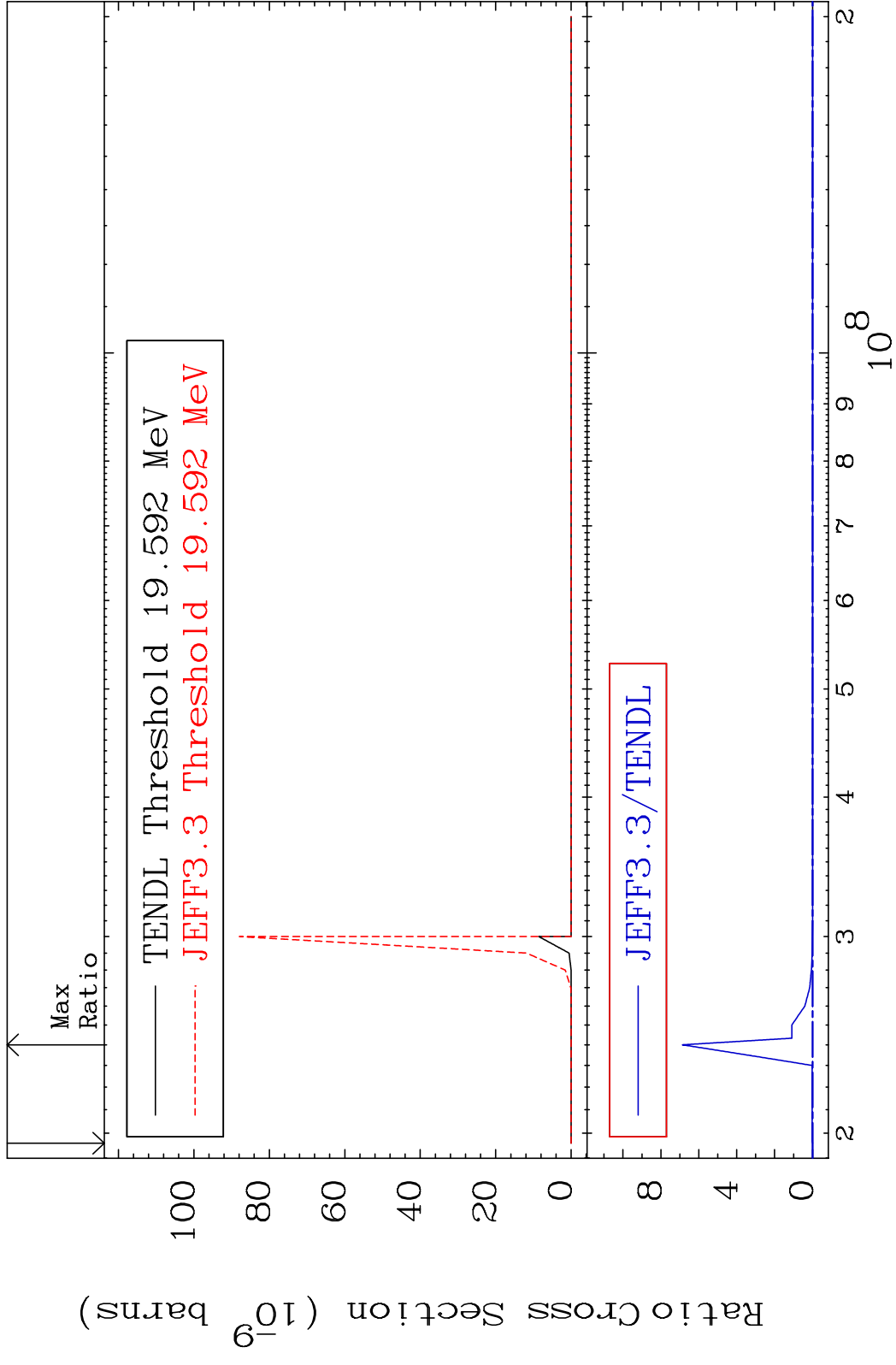


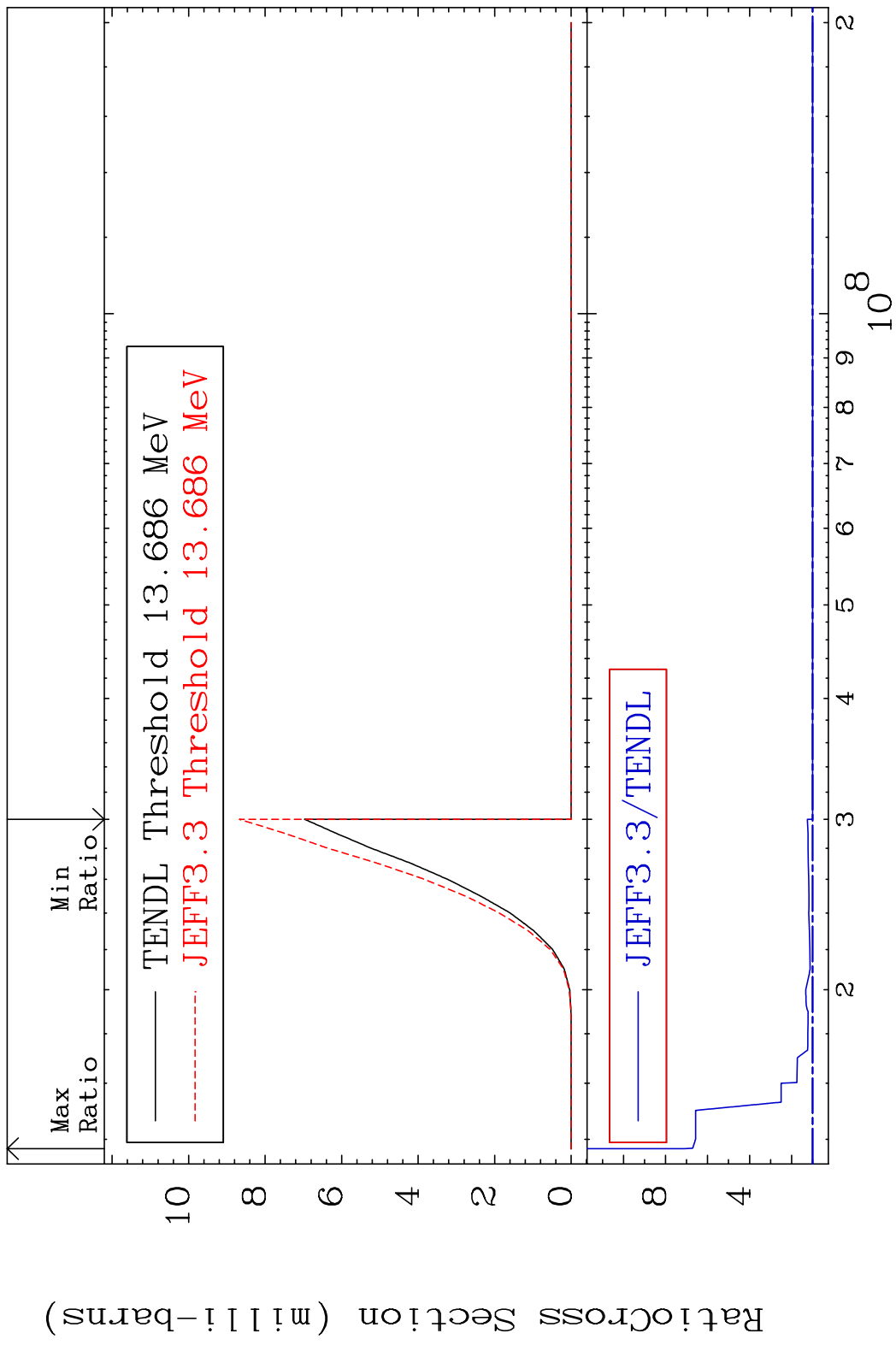


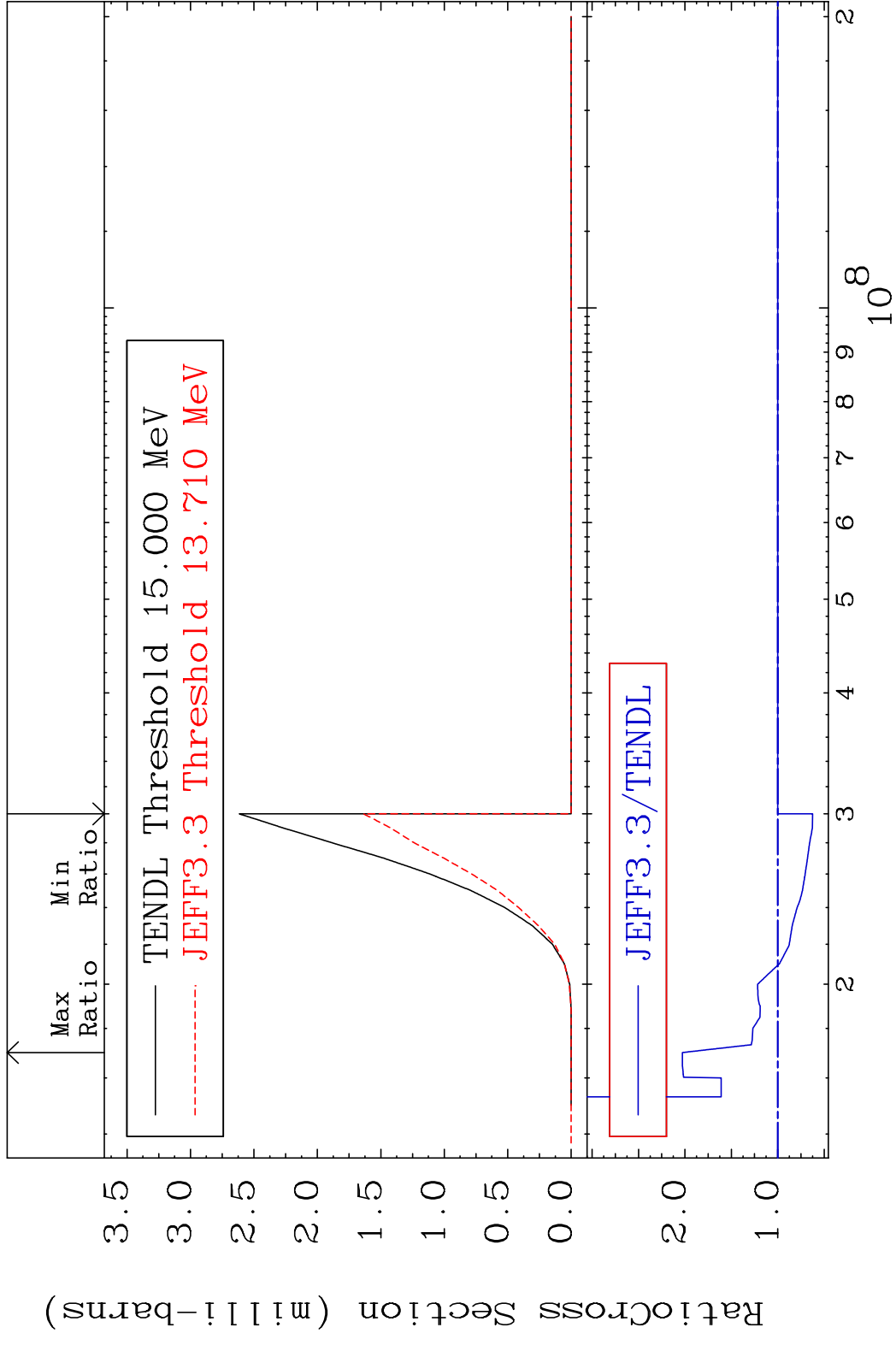


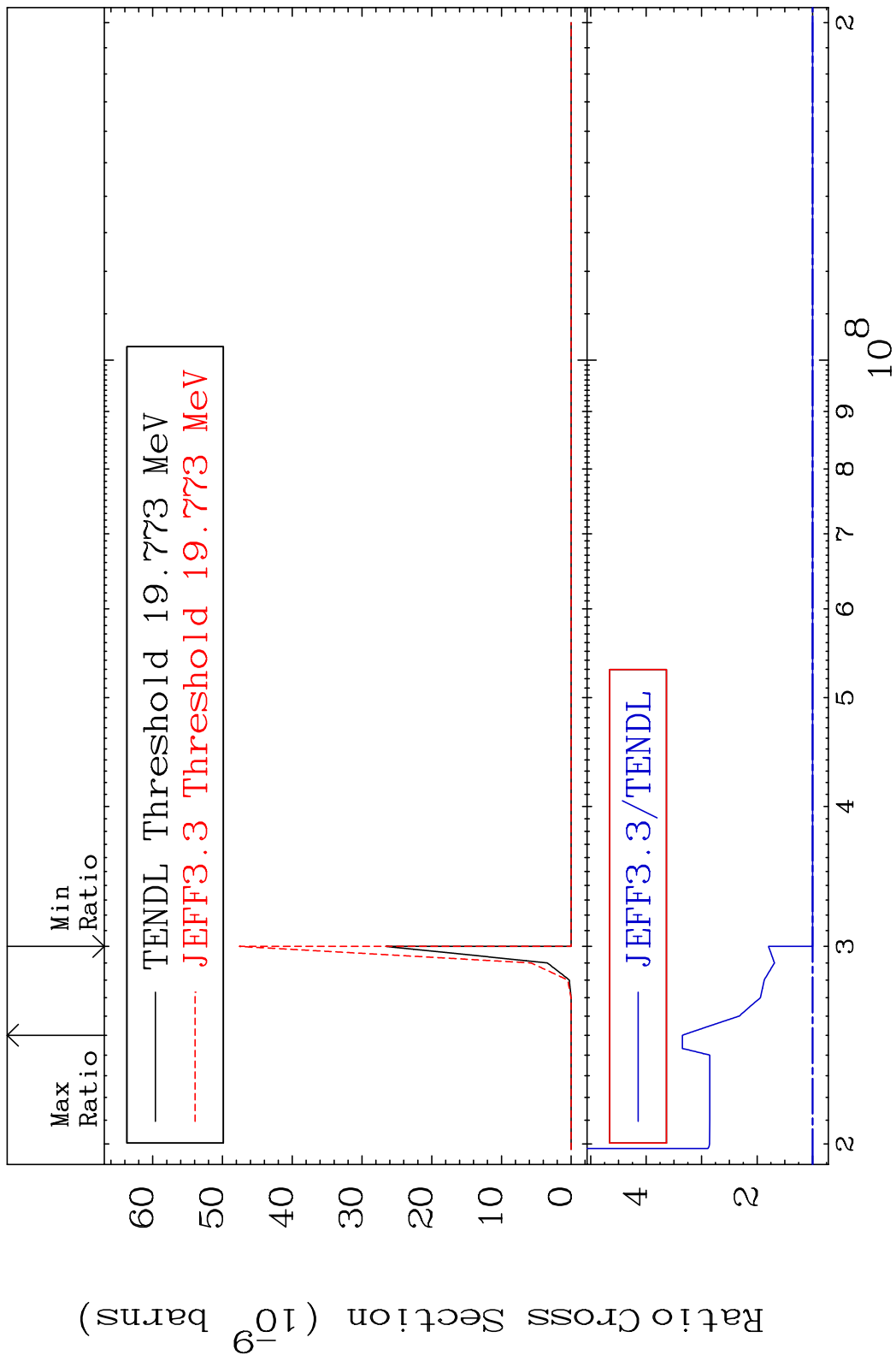


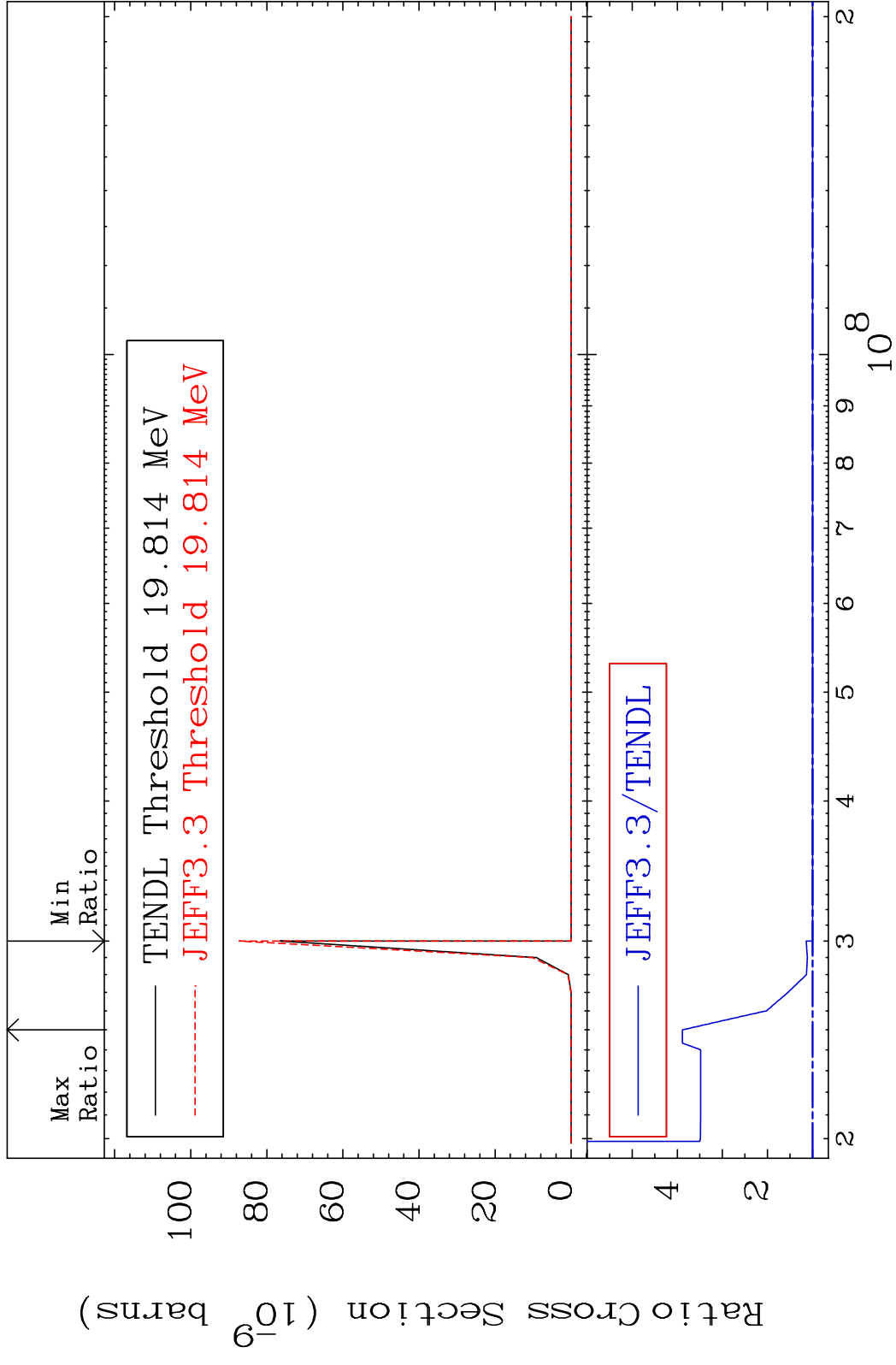




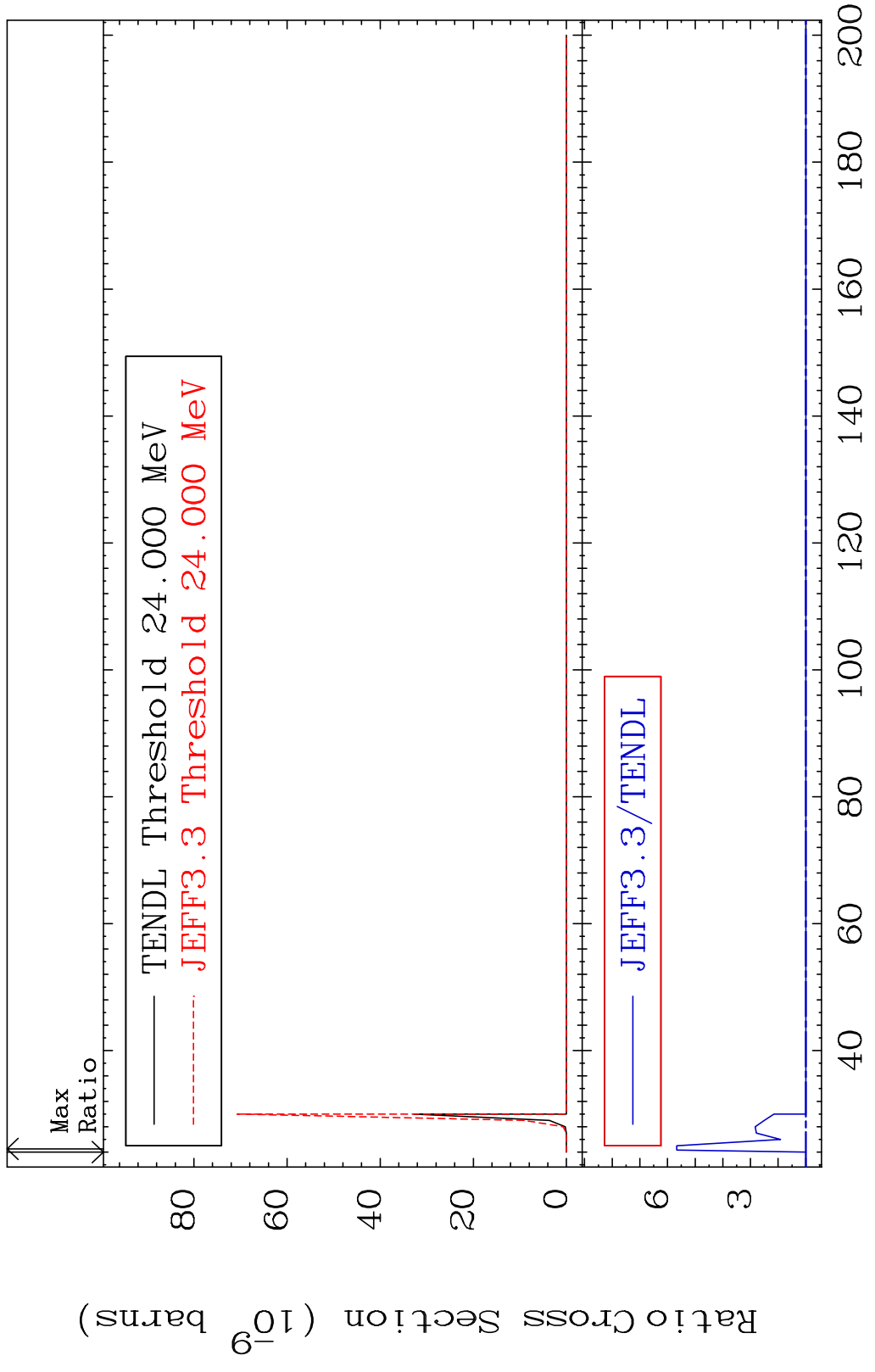




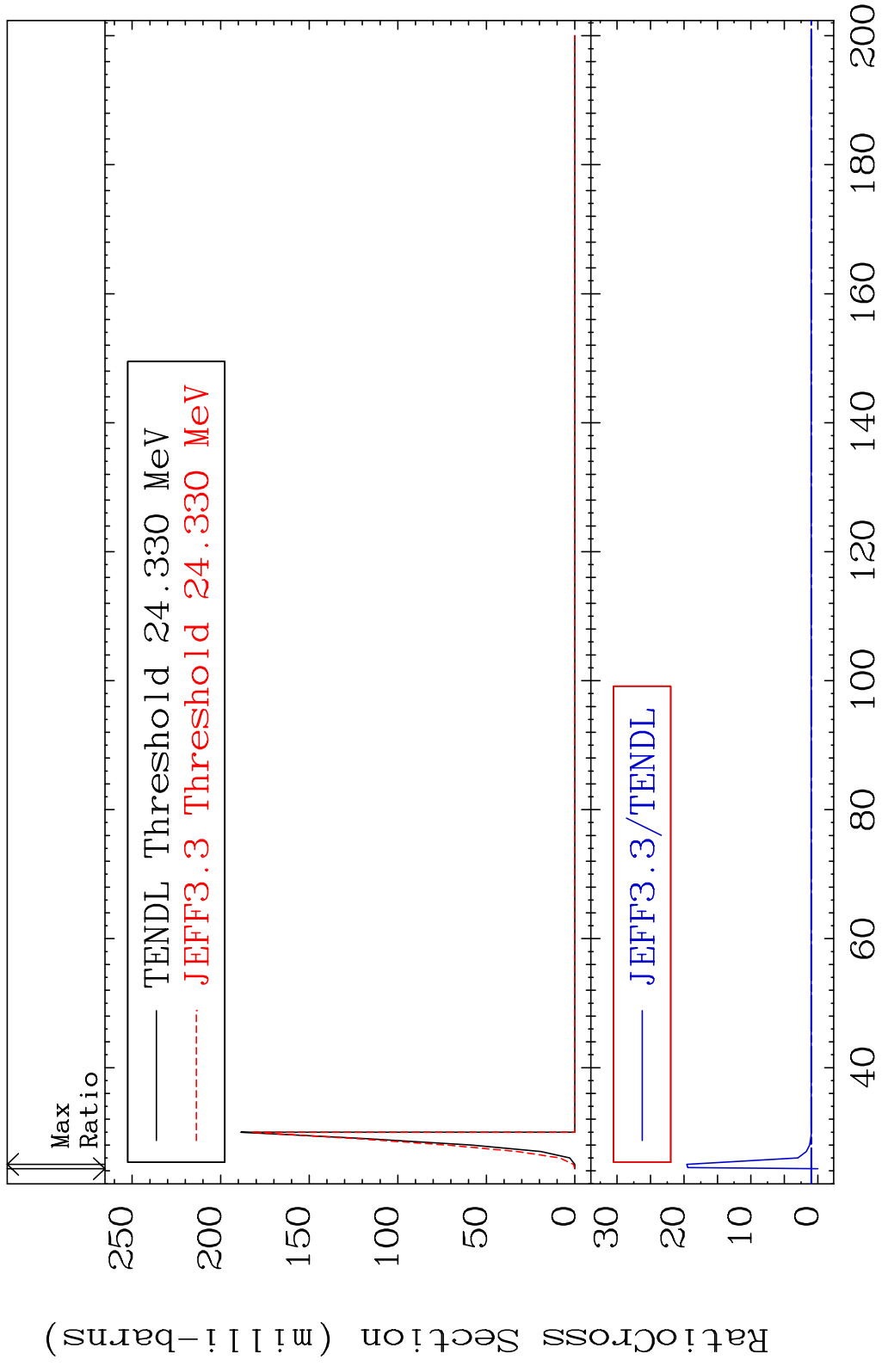




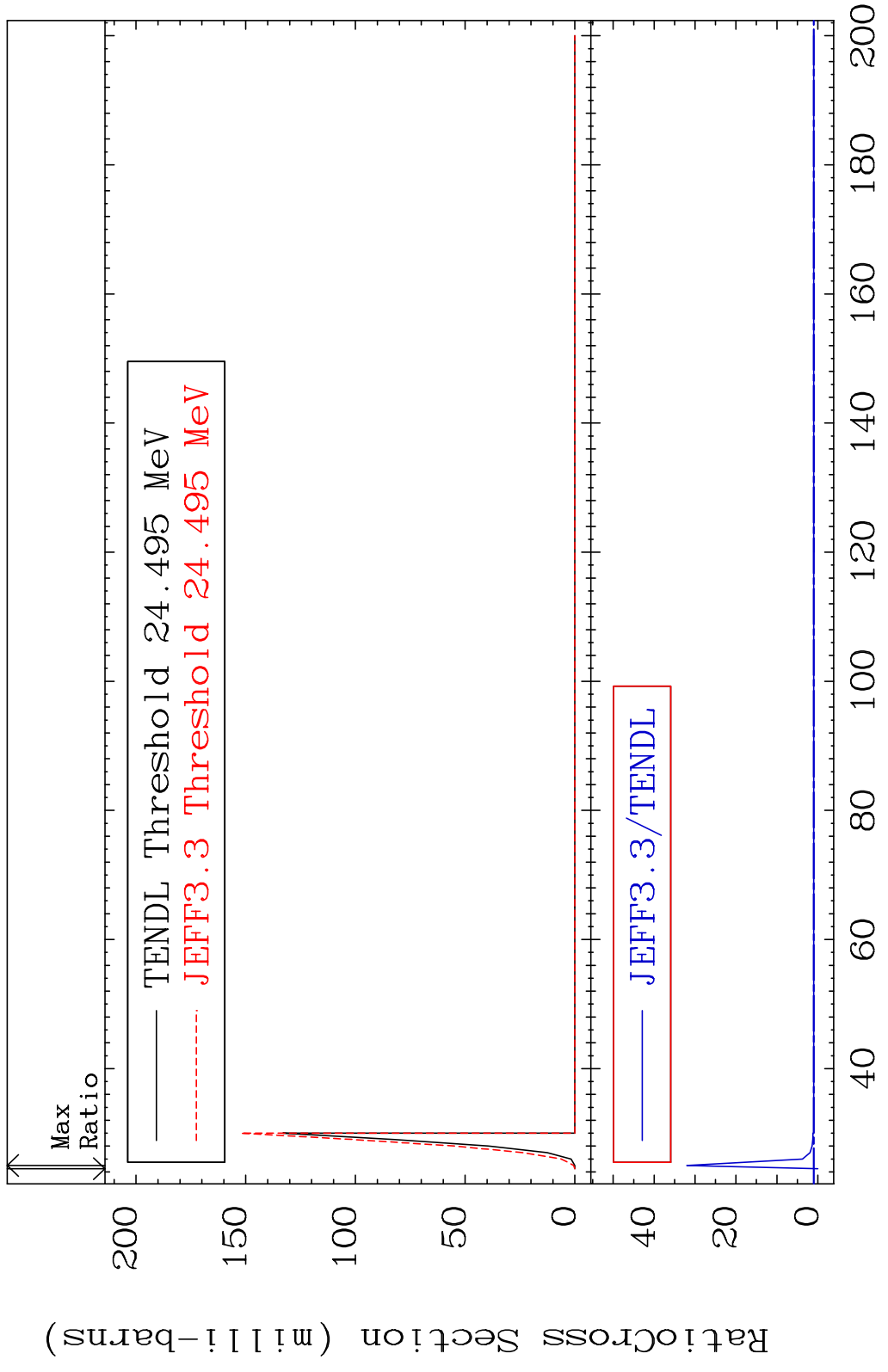
MAT 5137 (n, n') He-3:49-In-122m5 51-Sb-125
 Radionuclide Production Cross Section 466.9 %

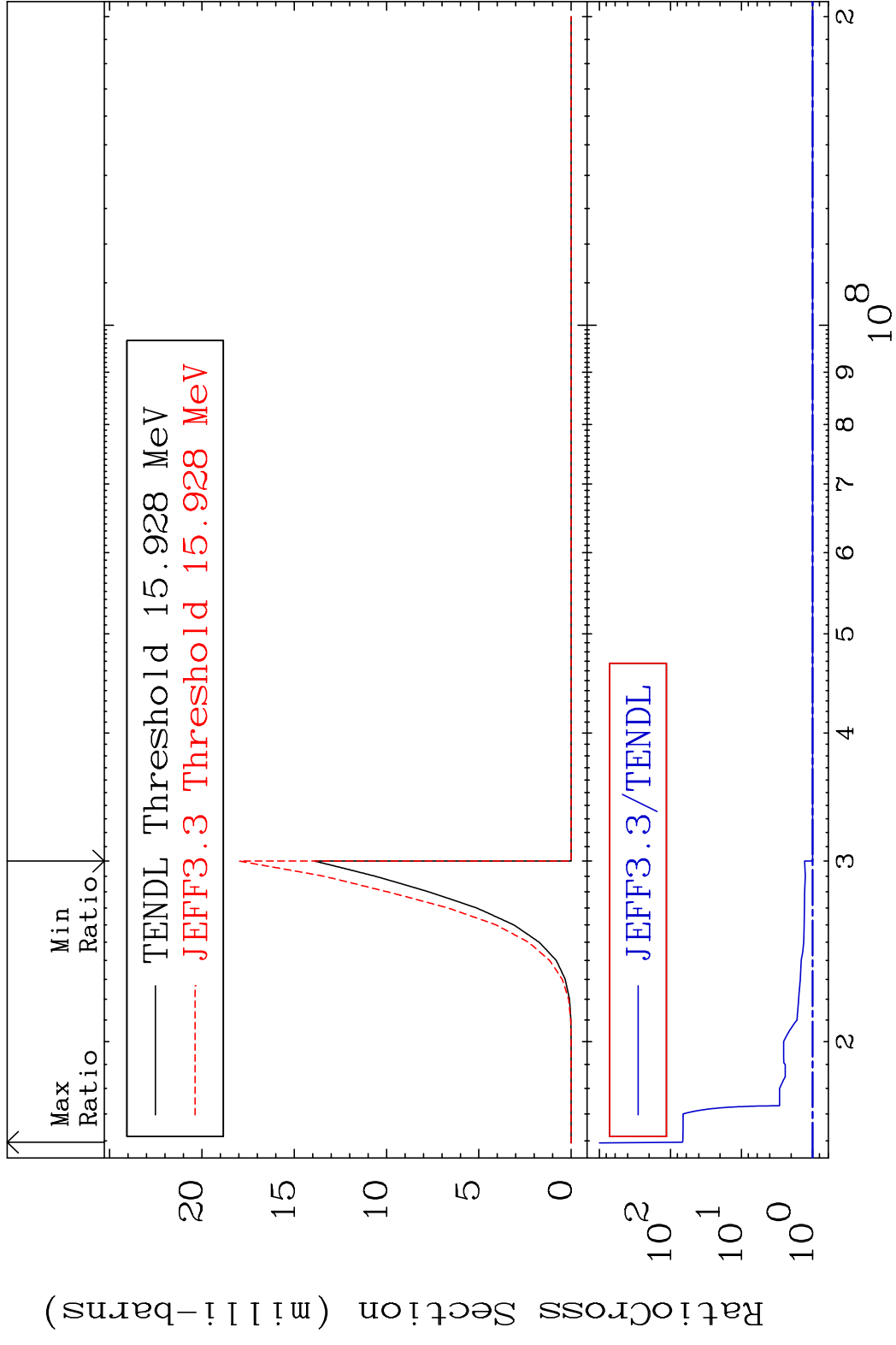


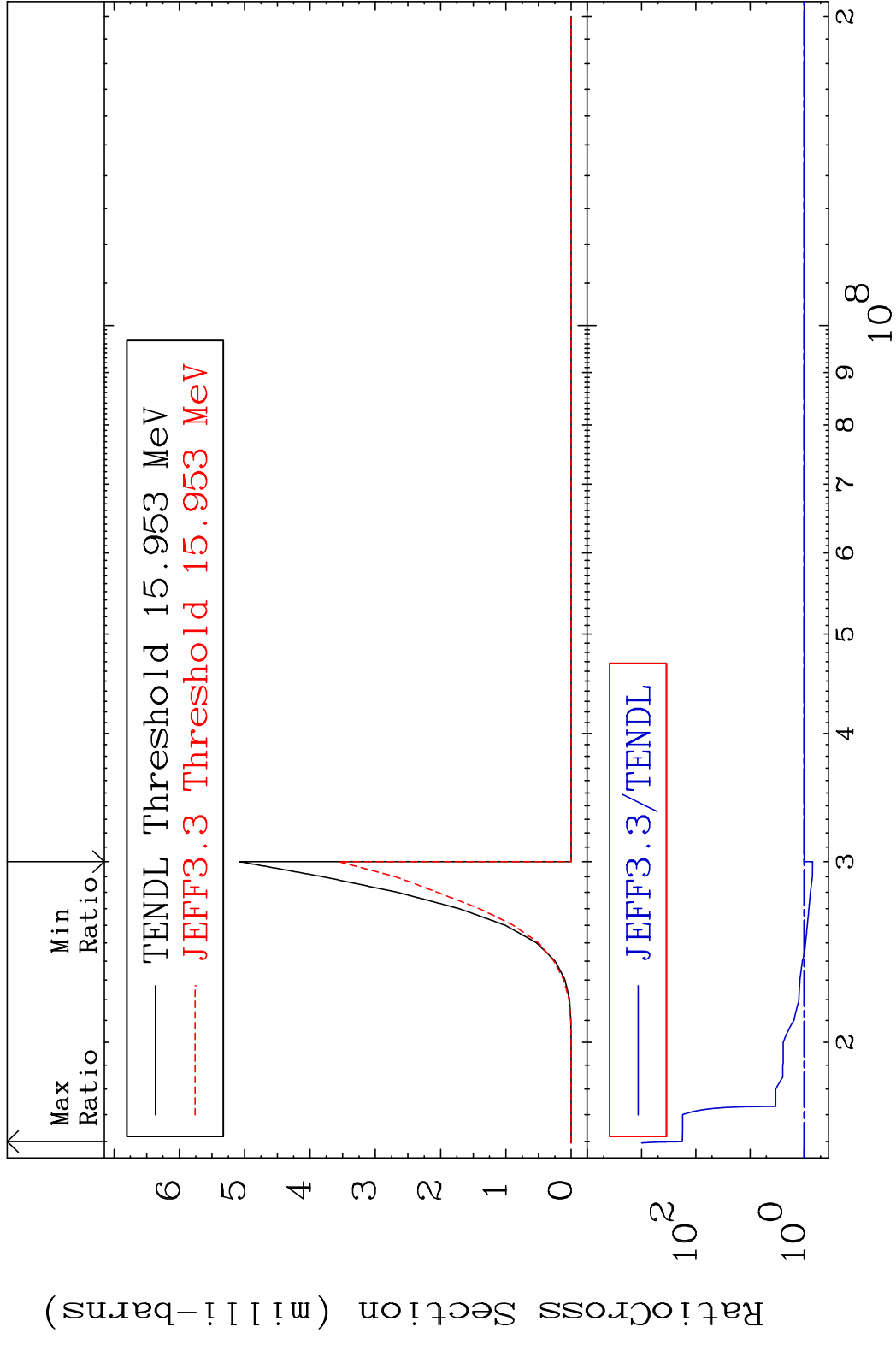
MAT 5137 (n,4n):51-Sb-122g 51-Sb-125
 Radionuclide Production Cross Section 1859.0 %

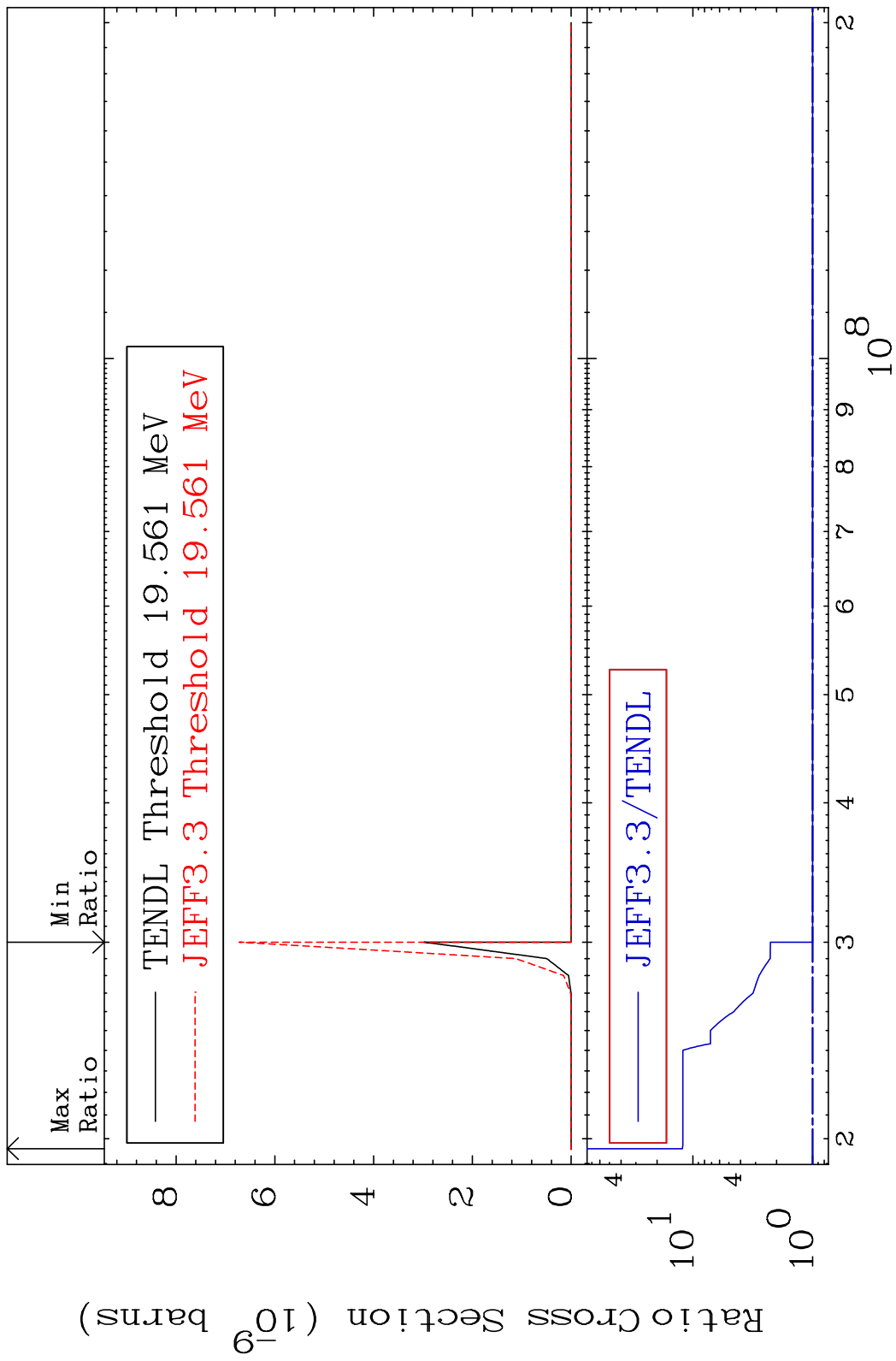


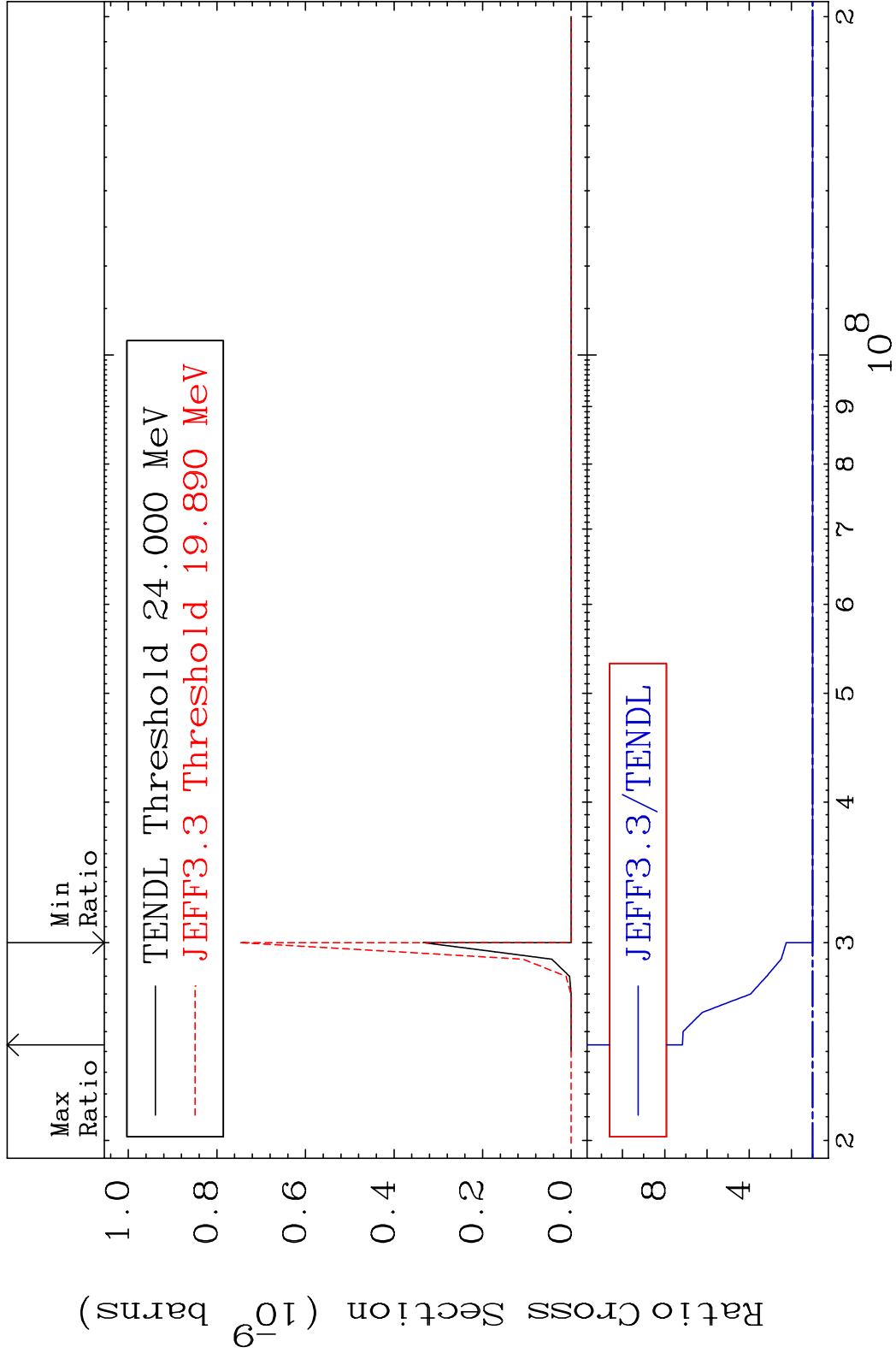
MAT 5137 (n, 4n):51-Sb-122m5 51-Sb-125
 Radionuclide Production Cross Section Ratio 3103. %

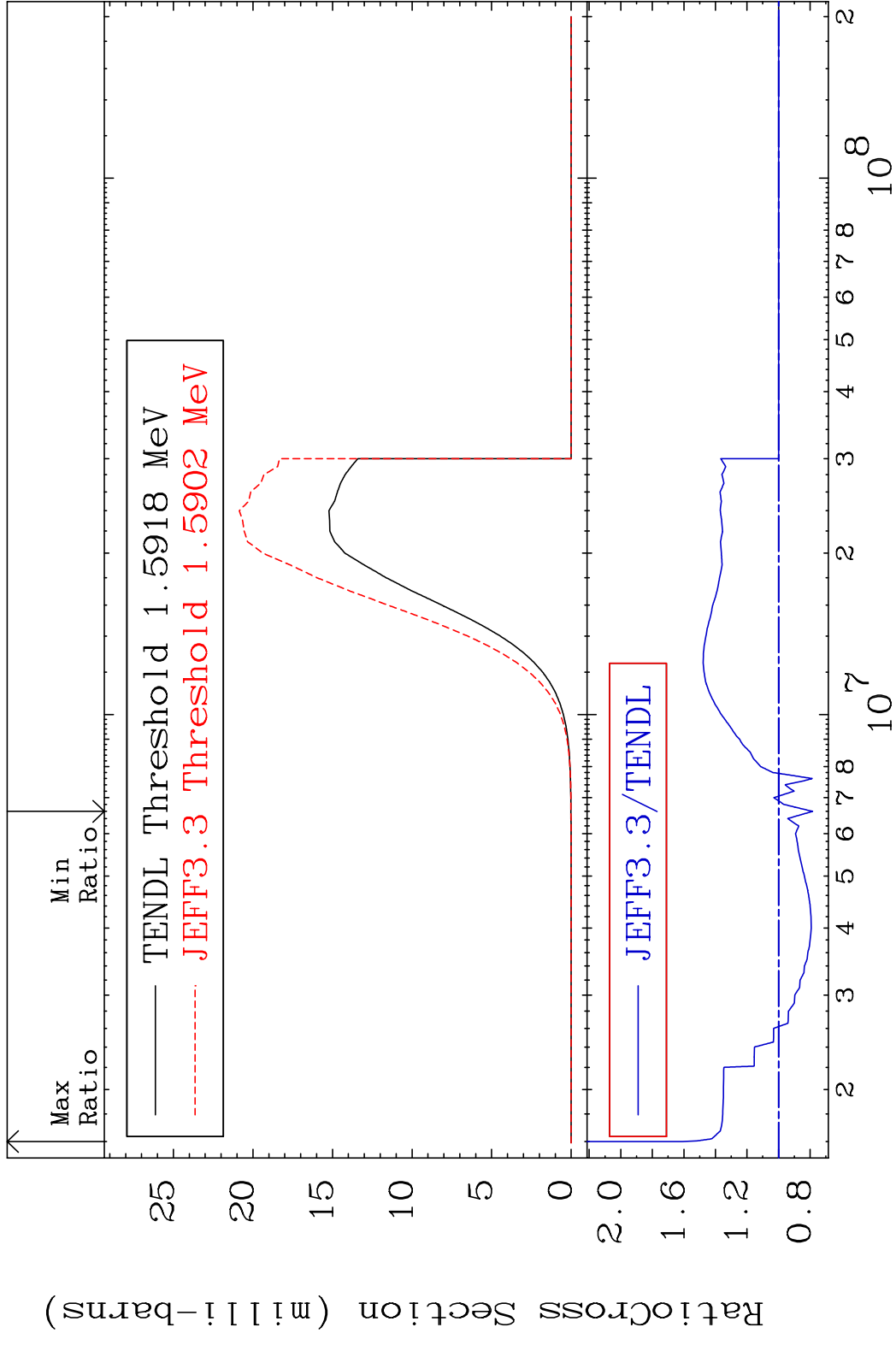




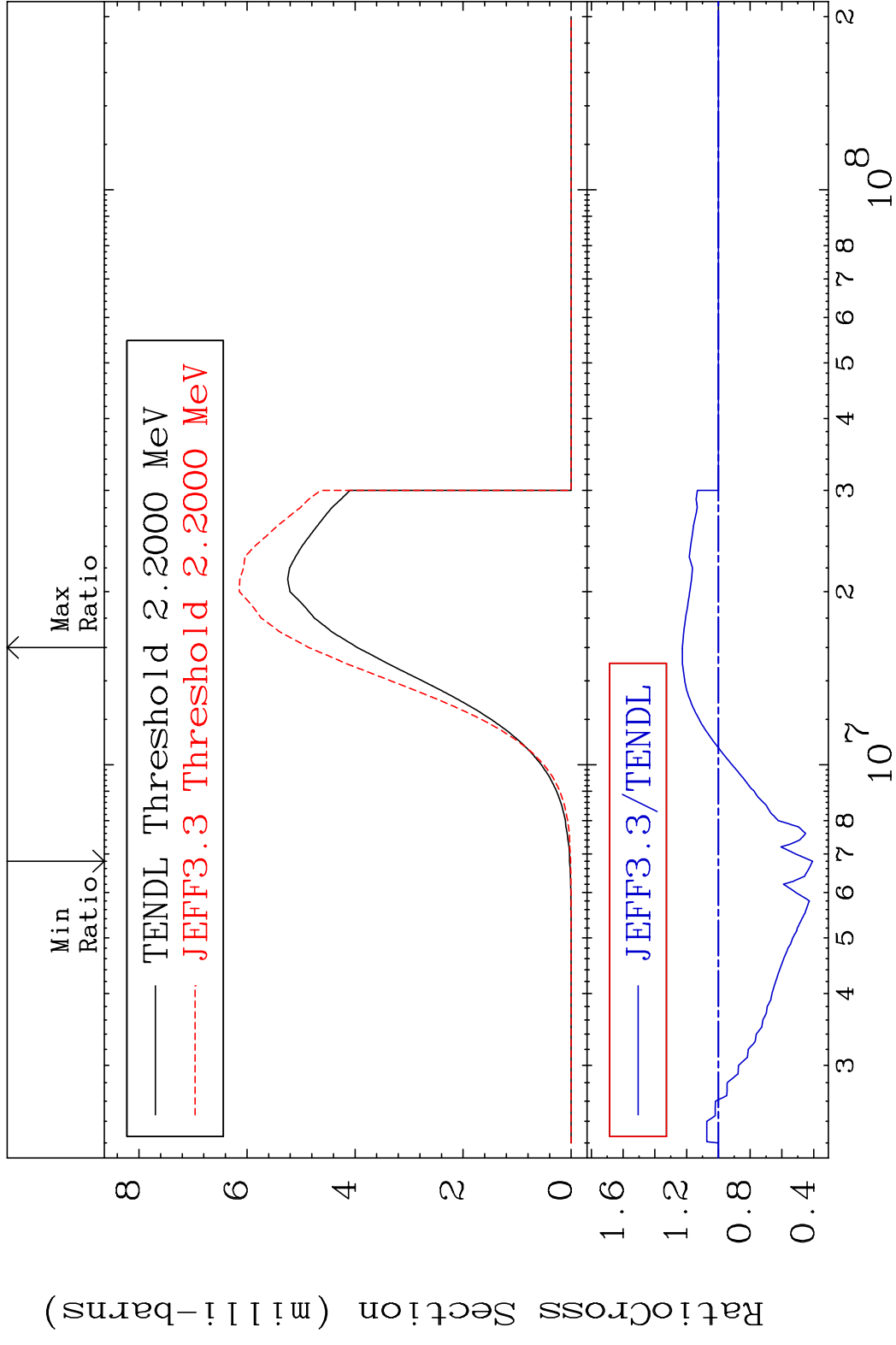


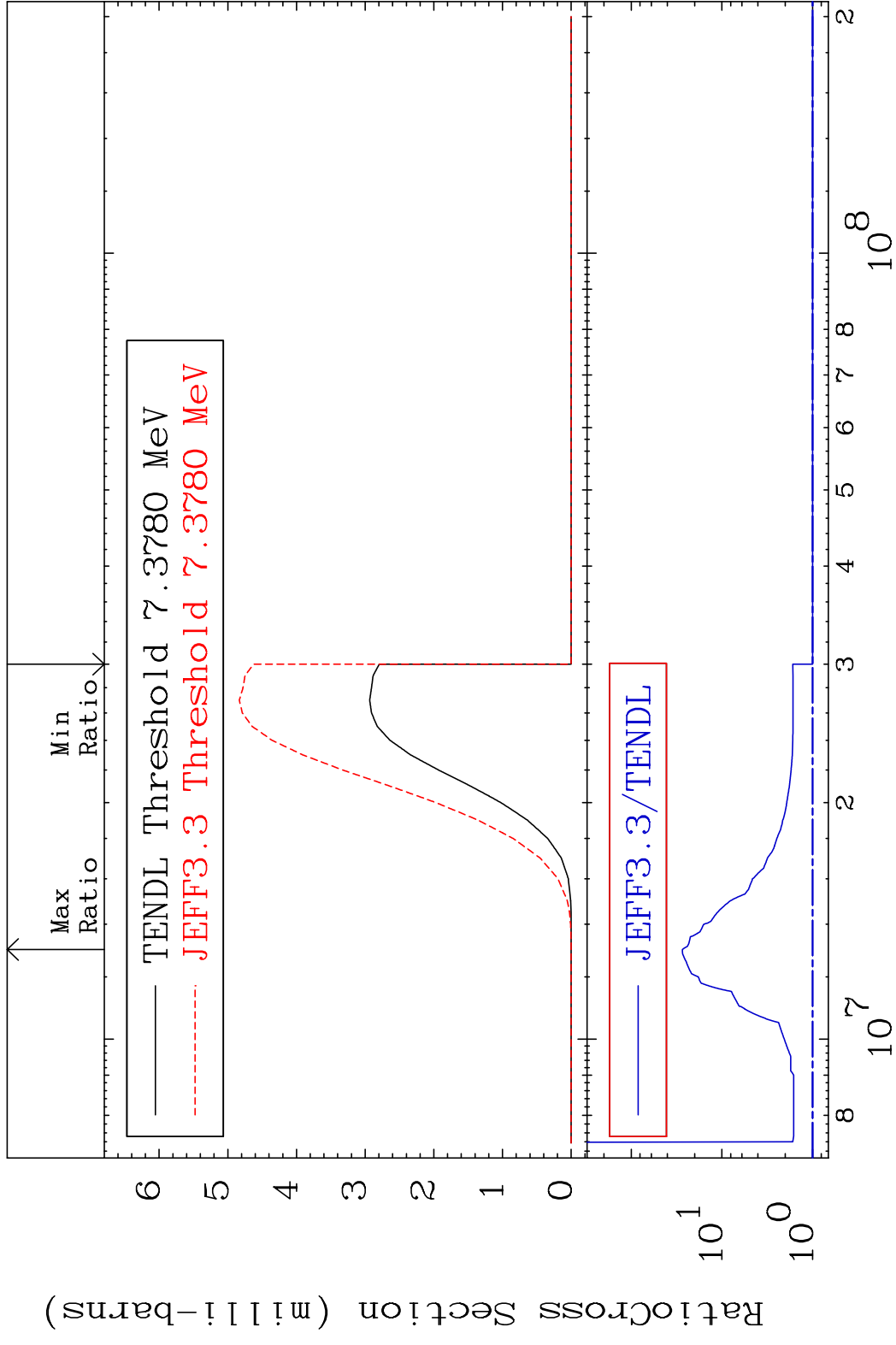


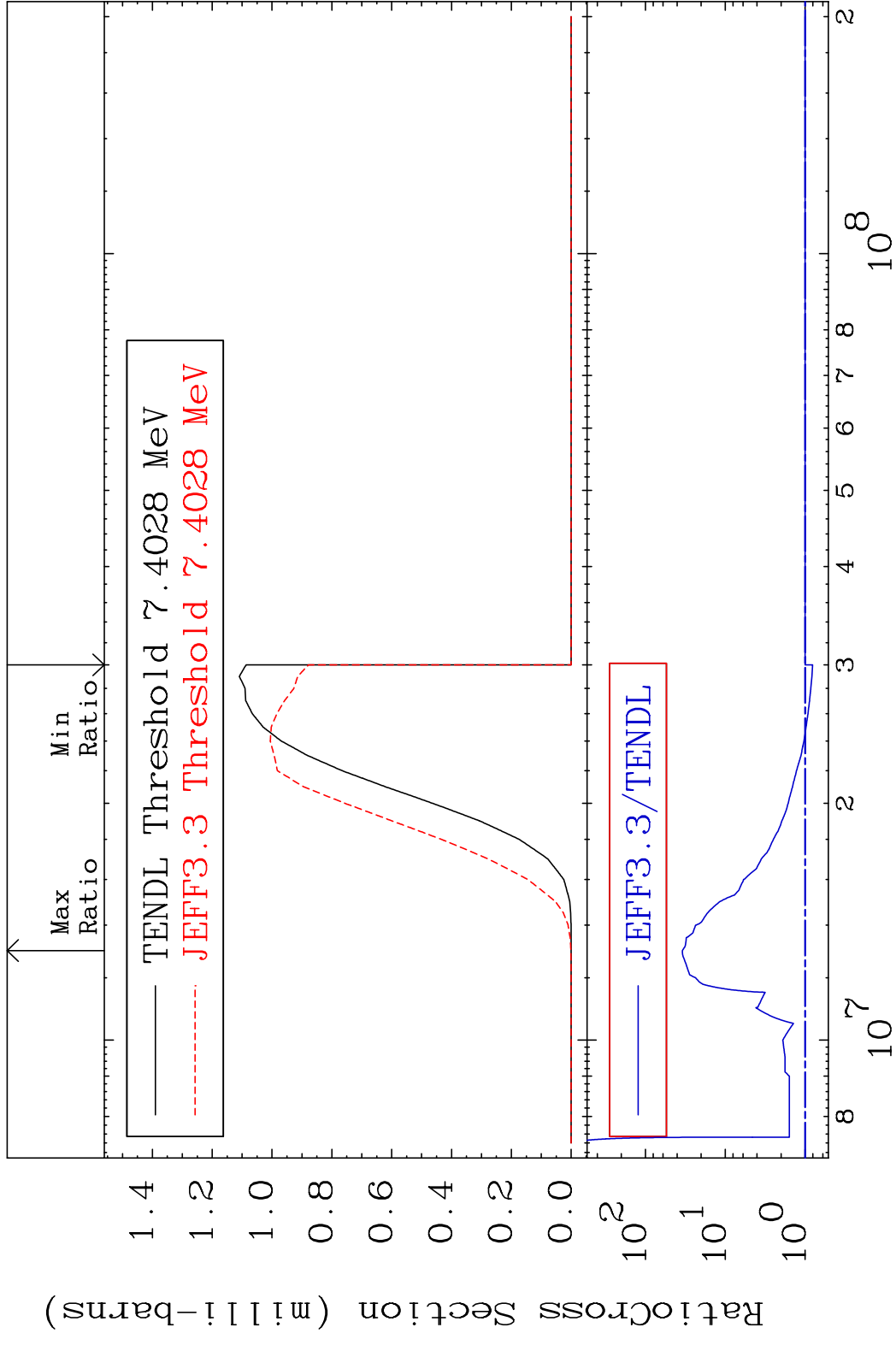


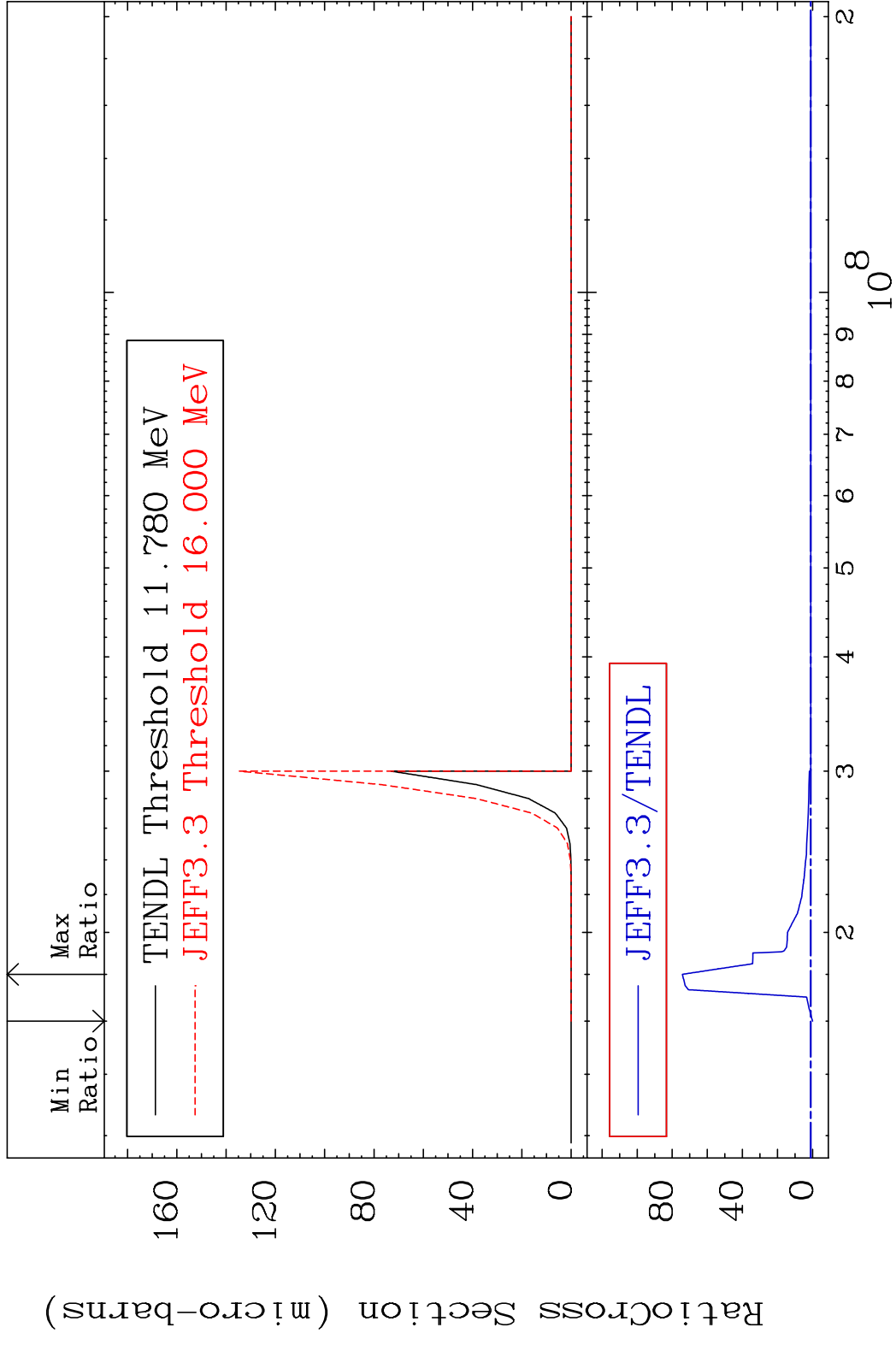


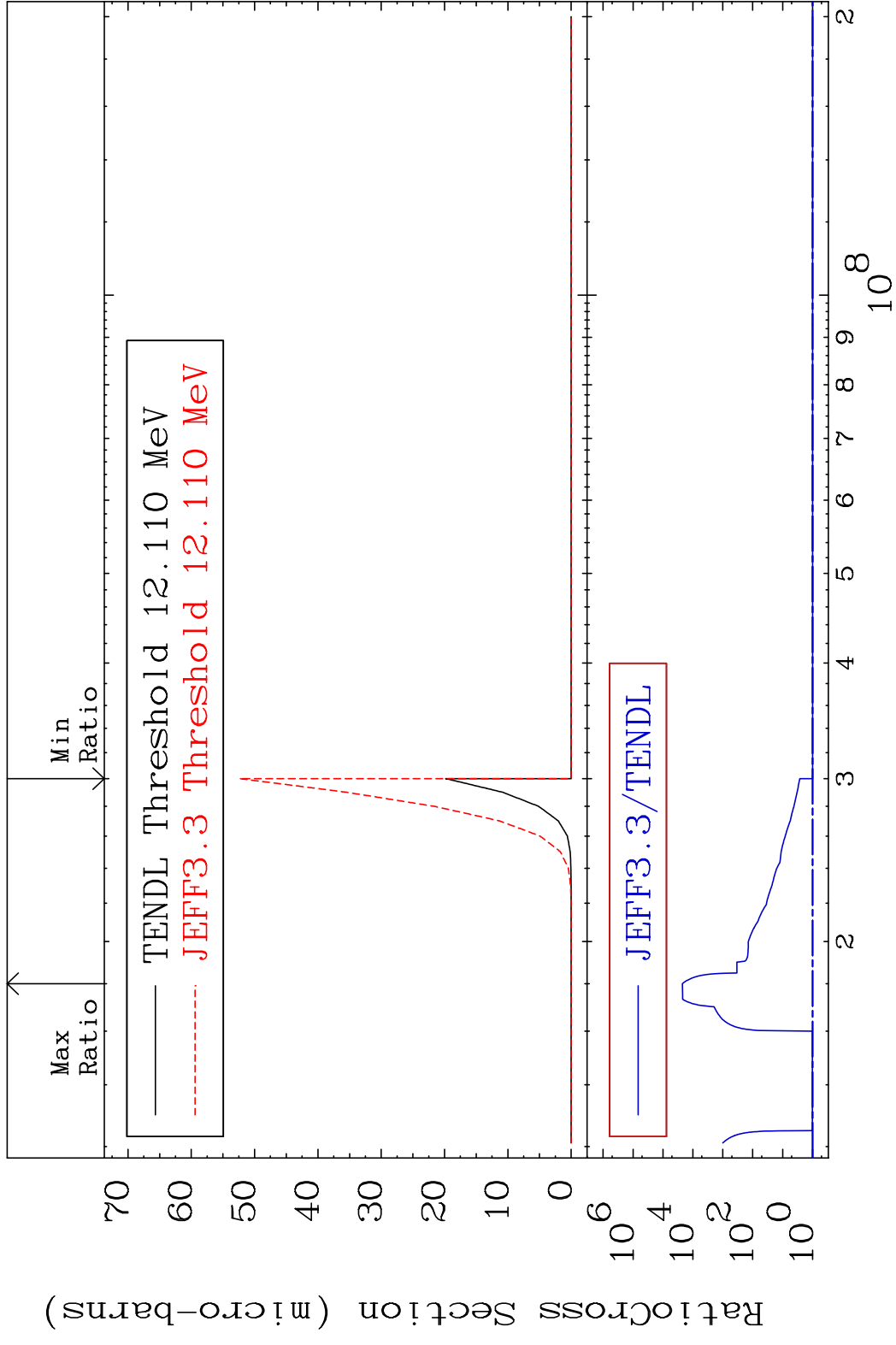
MAT 5137 (n, p) : 50-Sn-125m1 51-Sb-125
 Radionuclide Production Cross Section 58.29 dth 22.68 %

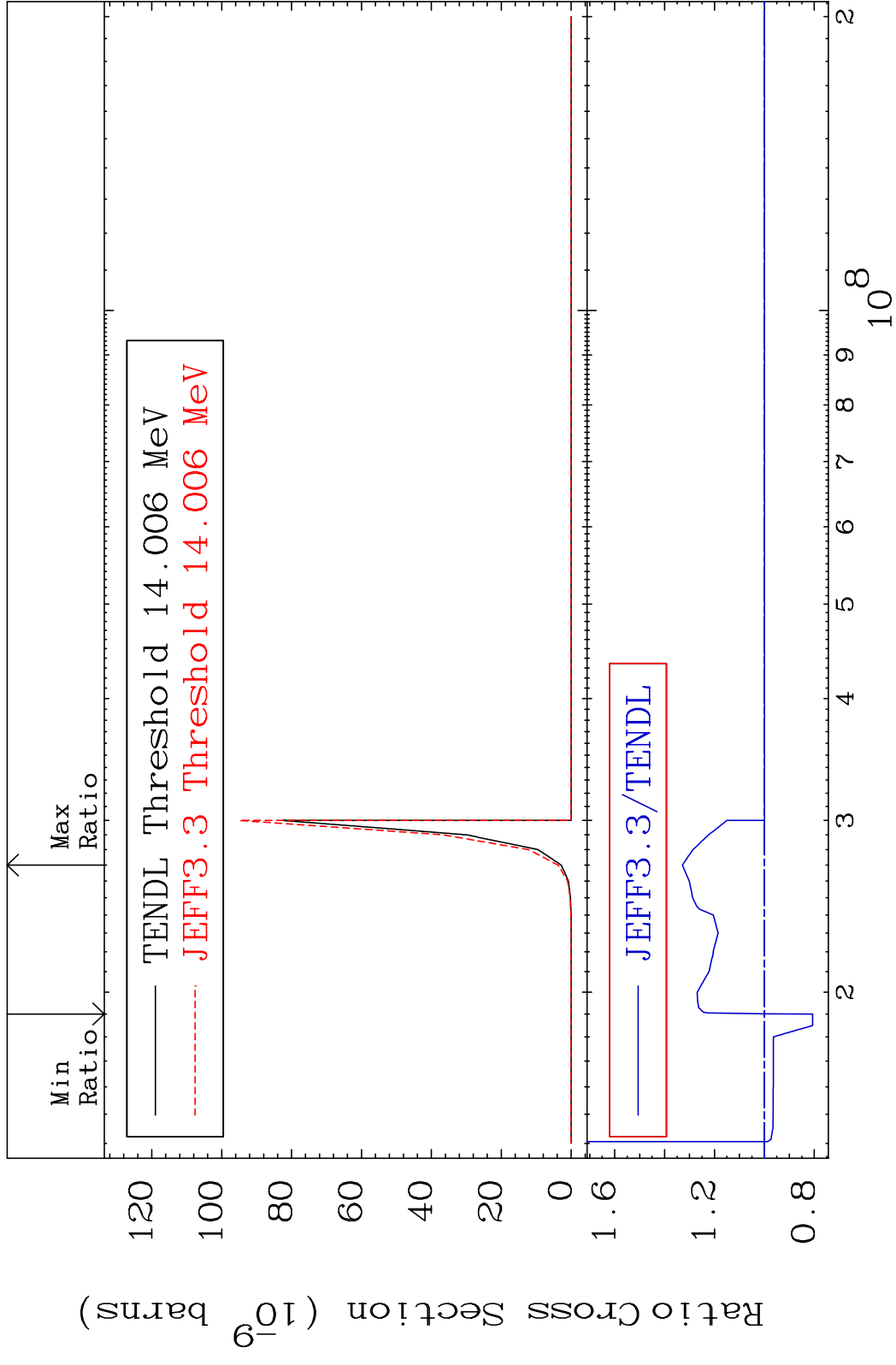


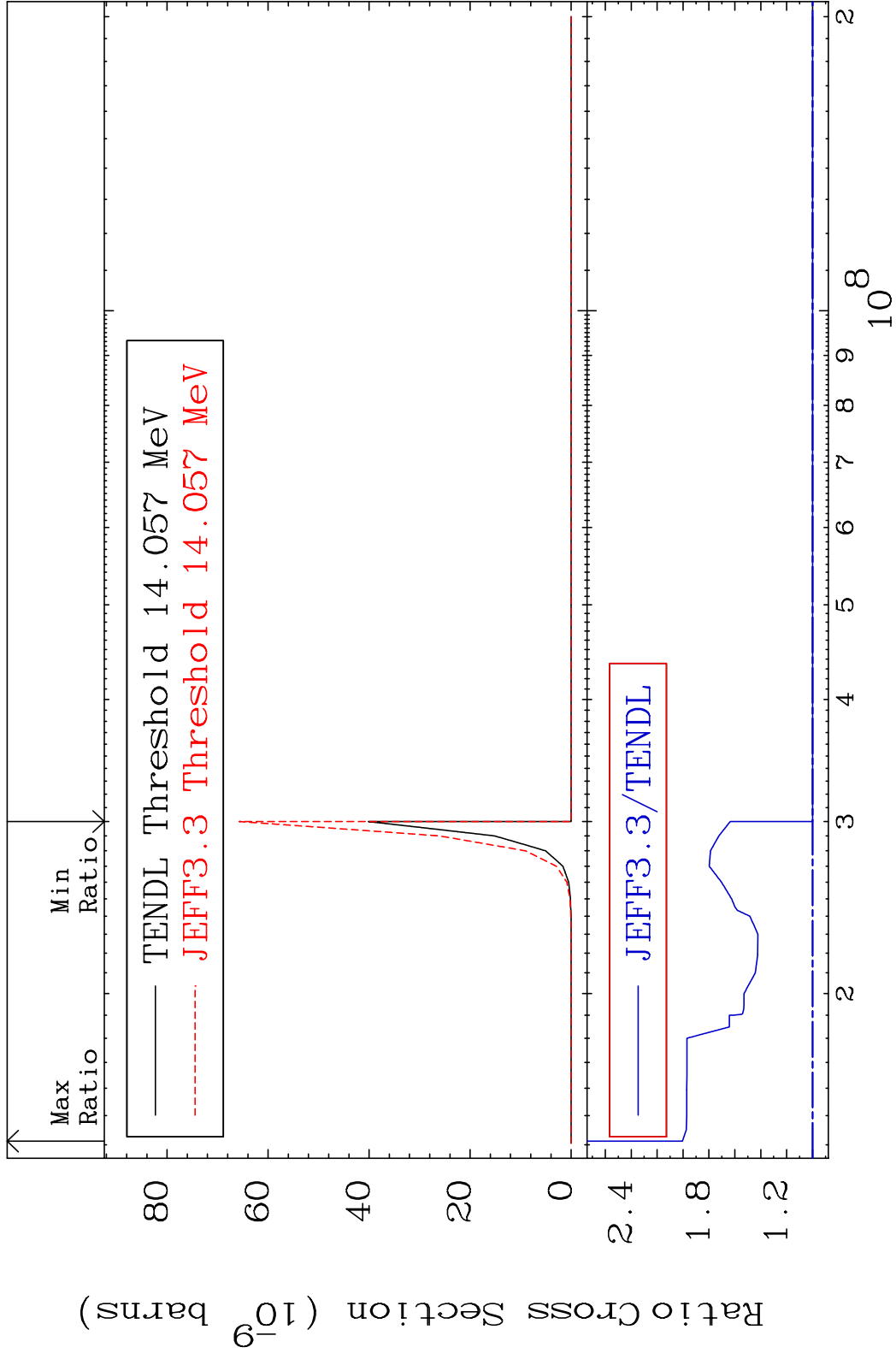


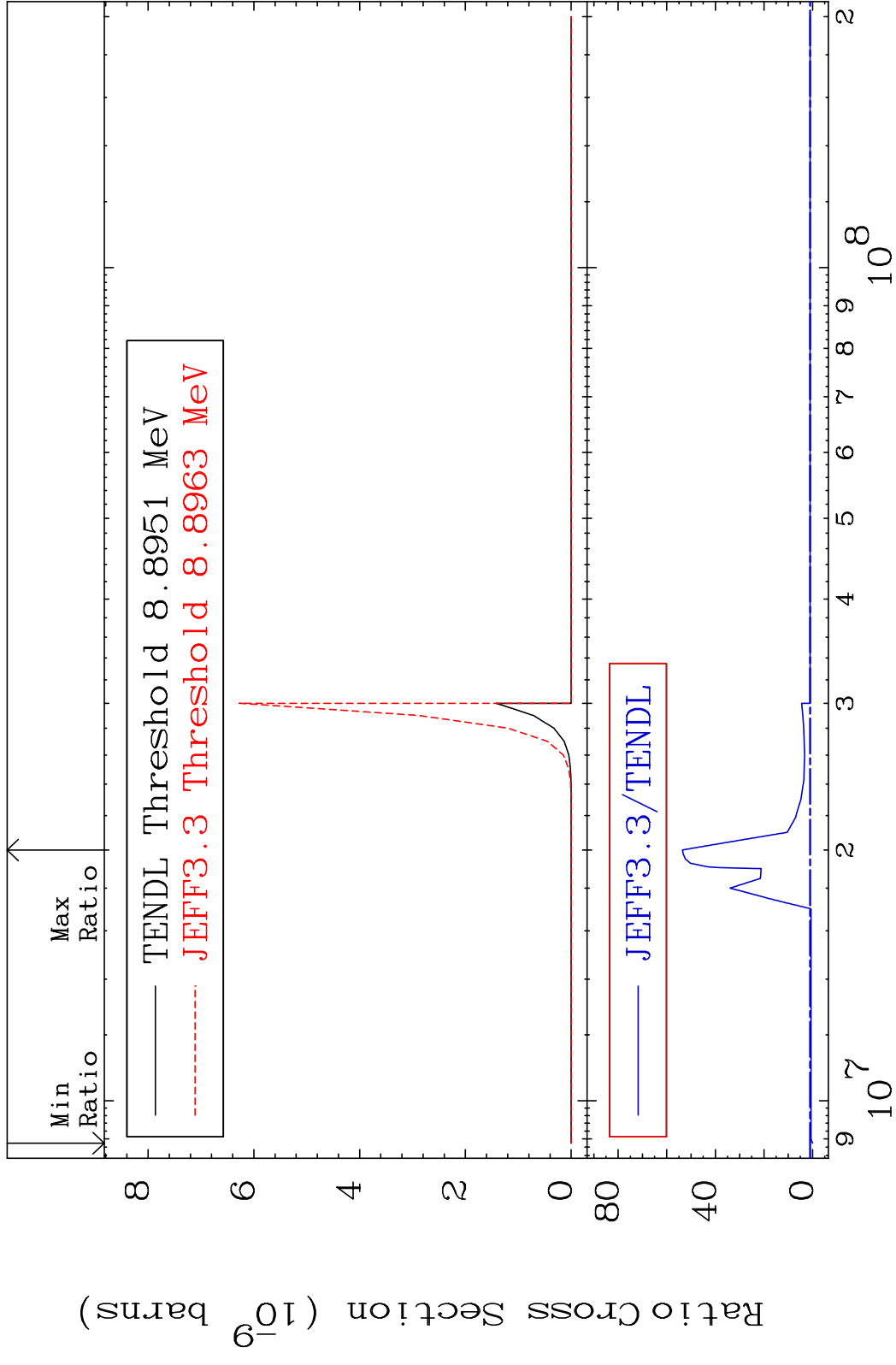












MAT 5137 (n, p) α :48-Cd-121m2 51-Sb-125
 Radionuclide Production Cross Section Ratio 3636. %

