

Program Complot
(Version 2021-1)

by

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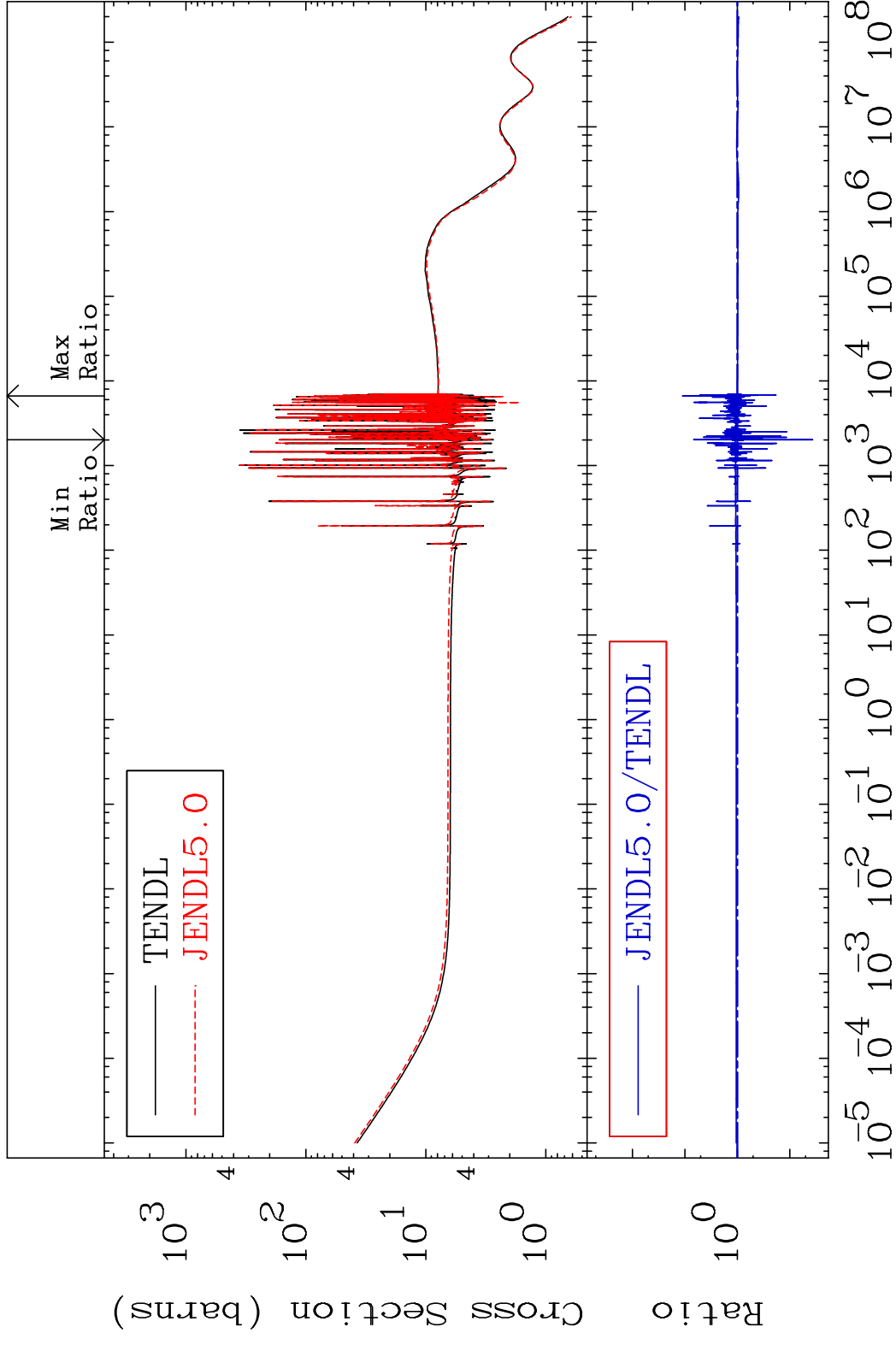
Press Mouse Button to Start

MAT 4125

Elastic

41-Nb-93

Cross Section -96.31 To 1016. %



2

Incident Energy (eV)

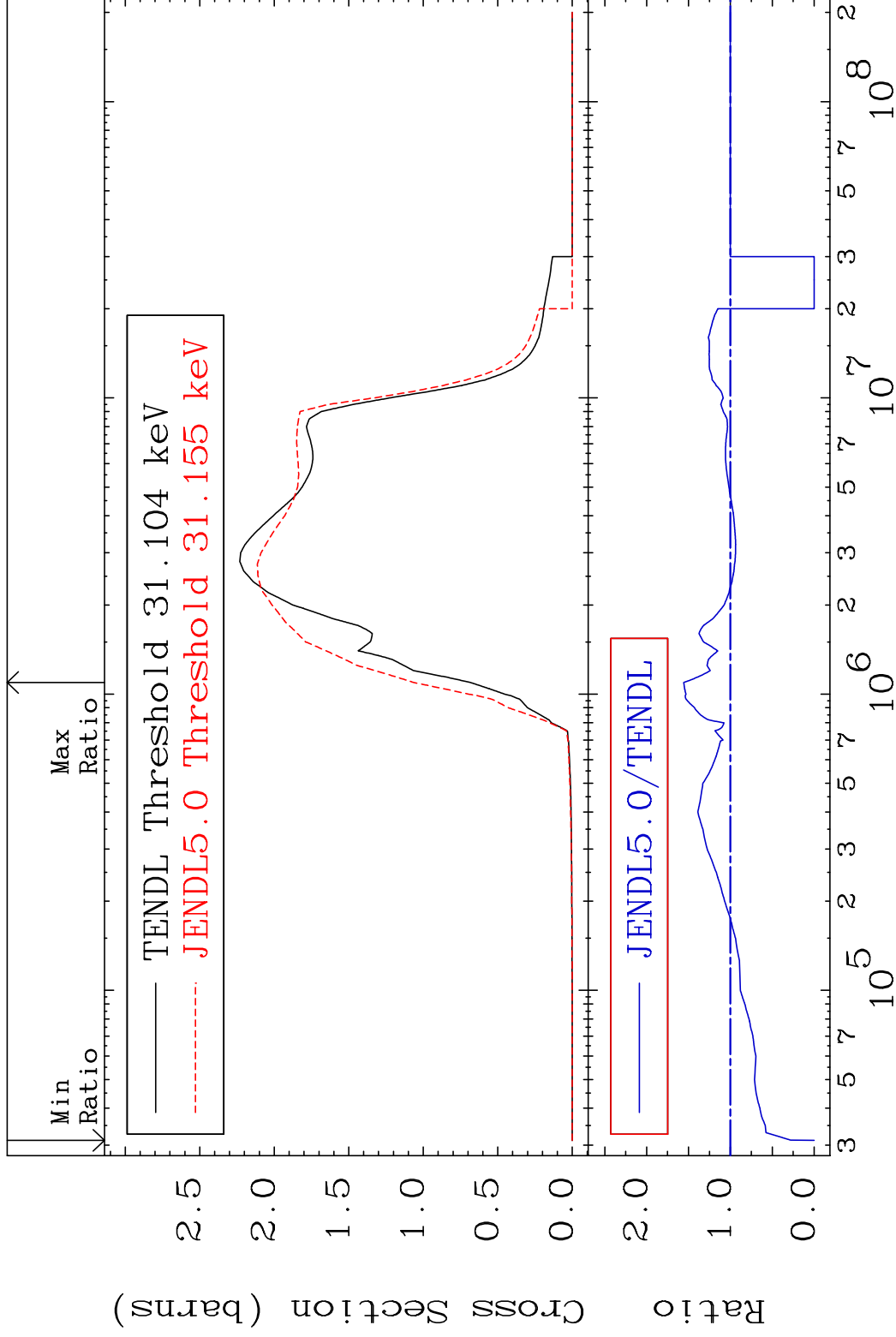
41-Nb-93

MAT 4125

Inelastic

41-Nb-93

Cross Section -100.0 To 55.79 %



3

Incident Energy (eV)

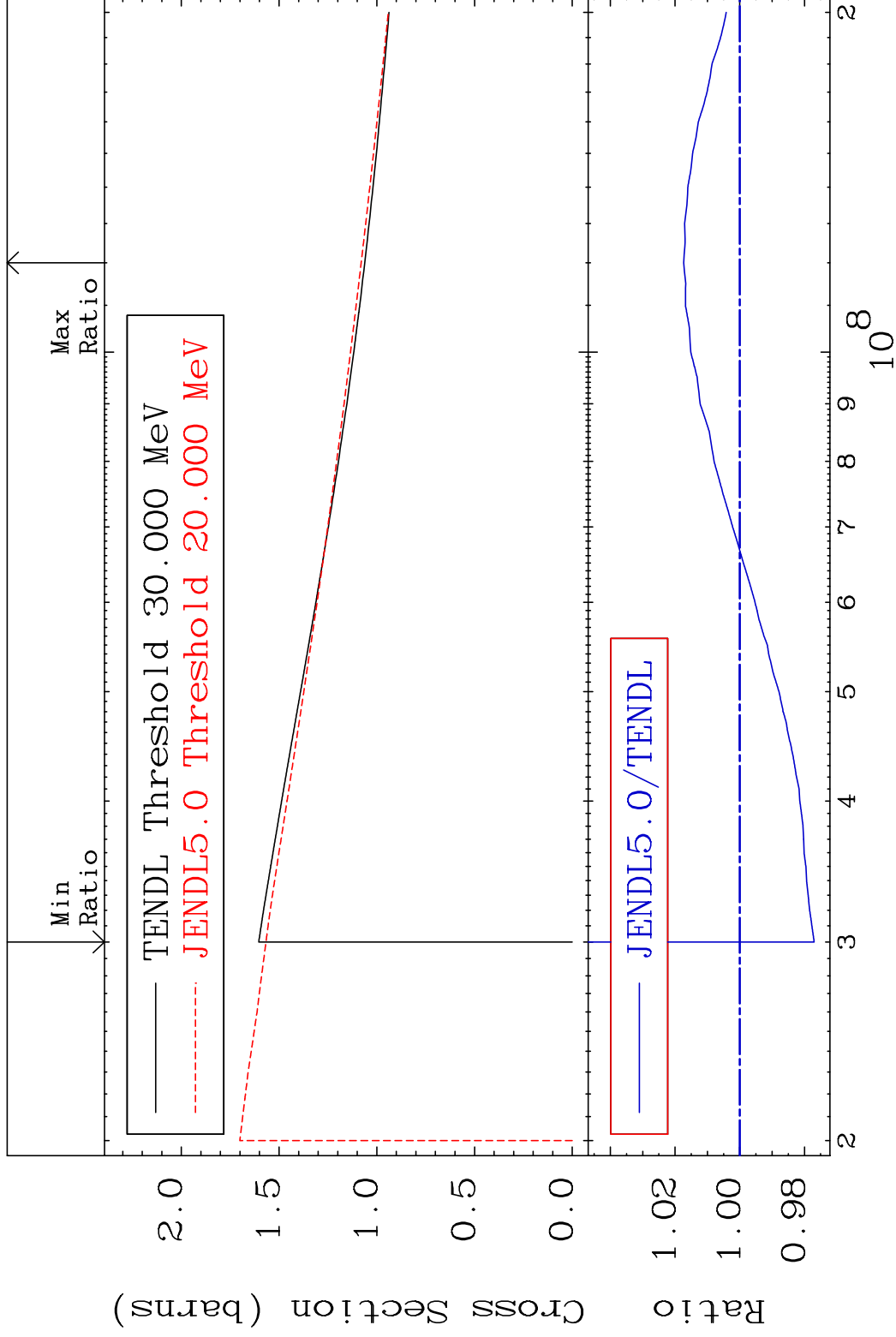
41-Nb-93

MAT 4125

(n, remainder)

41-Nb-93

Cross Section -2.298 To 1.734 %



4

Incident Energy (eV)

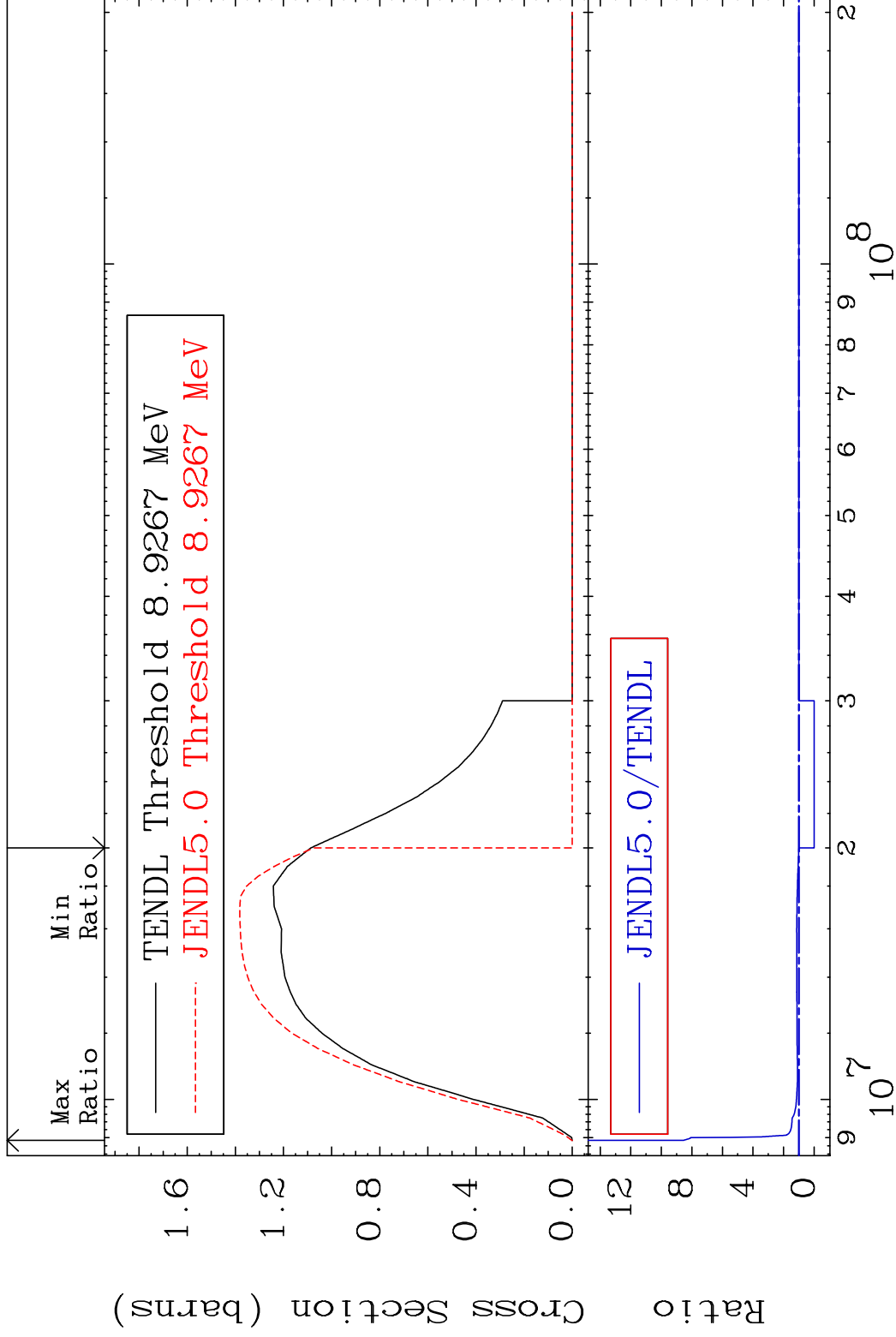
41-Nb-93

MAT 4125

(n,2n)

41-Nb-93

Cross Section -100.0 To 753.9 %

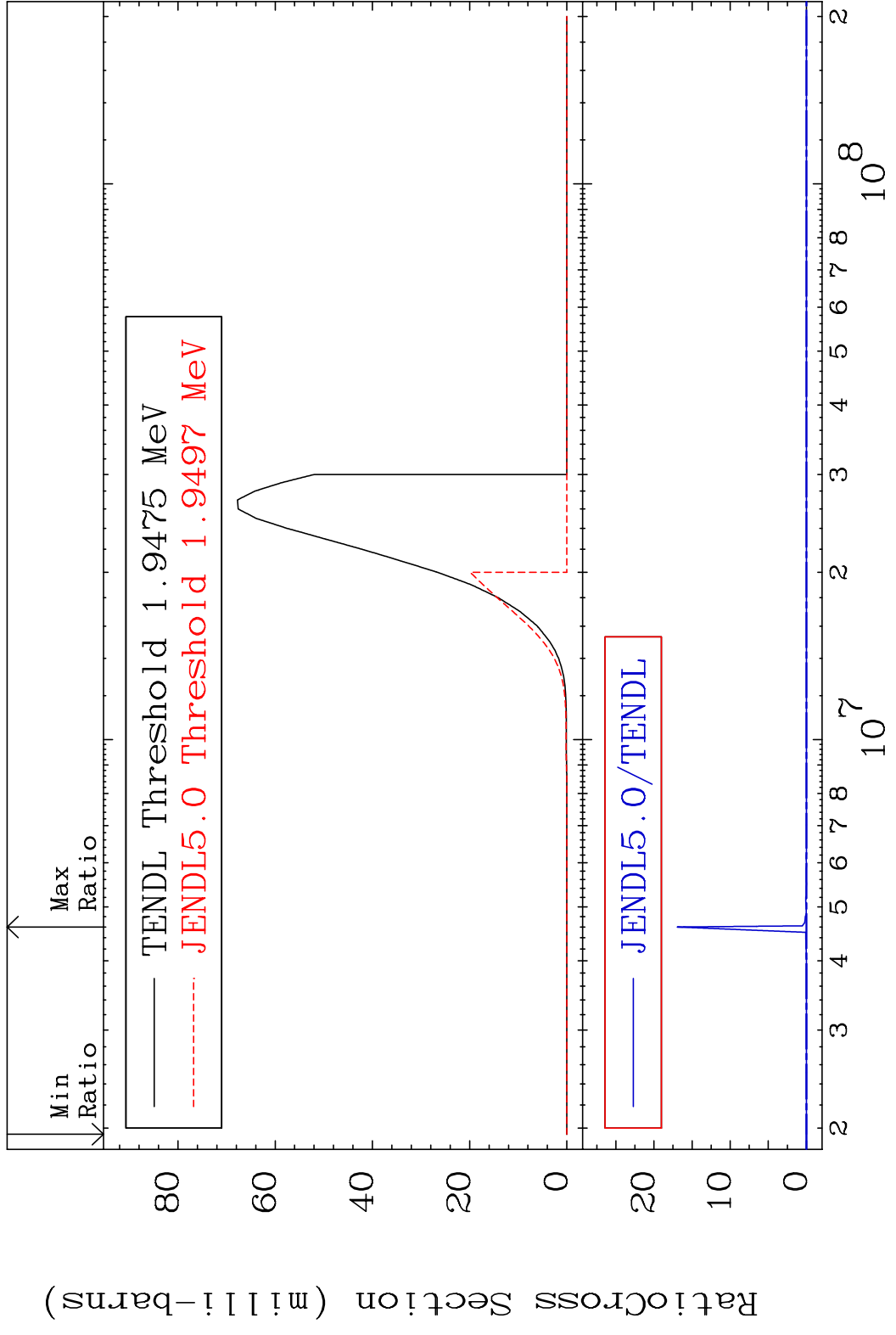


5

Incident Energy (eV)

41-Nb-93

MAT 4125 (n, n') α 41-Nb-93
 Cross Section -100.0 To 9999. %

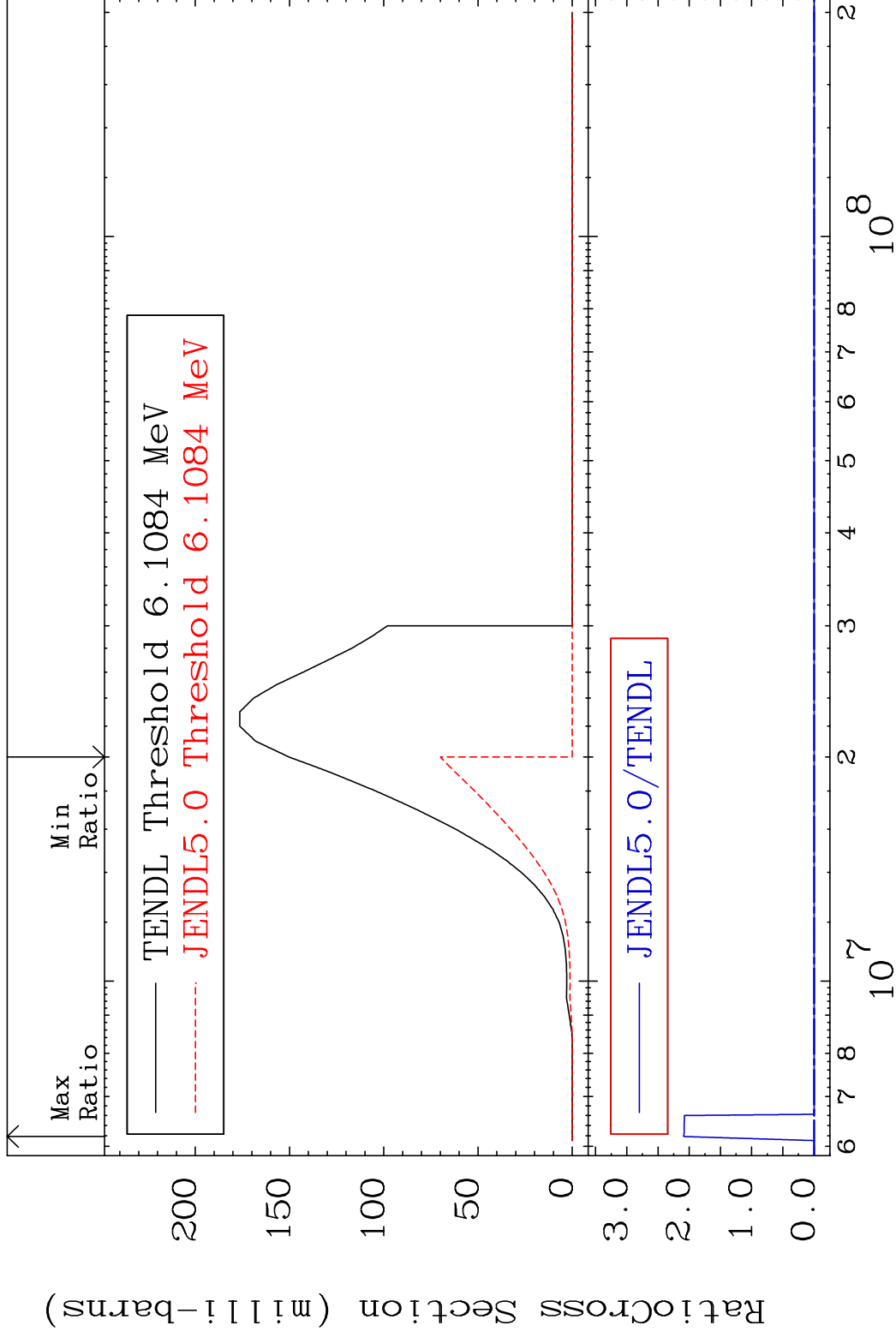


MAT 4125

(n, n') p

41-Nb-93

Cross Section -100.0 To 9999. %

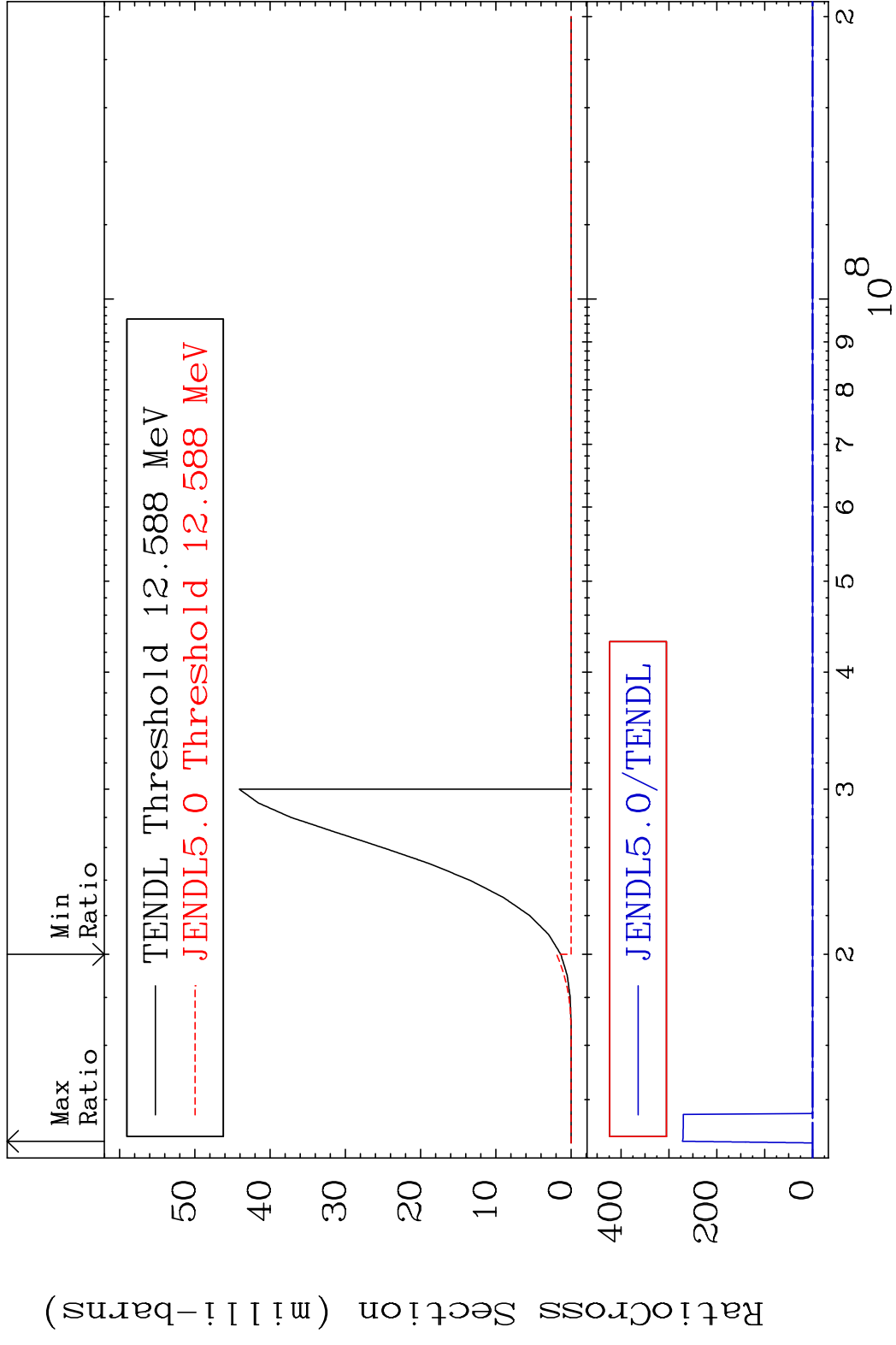


8

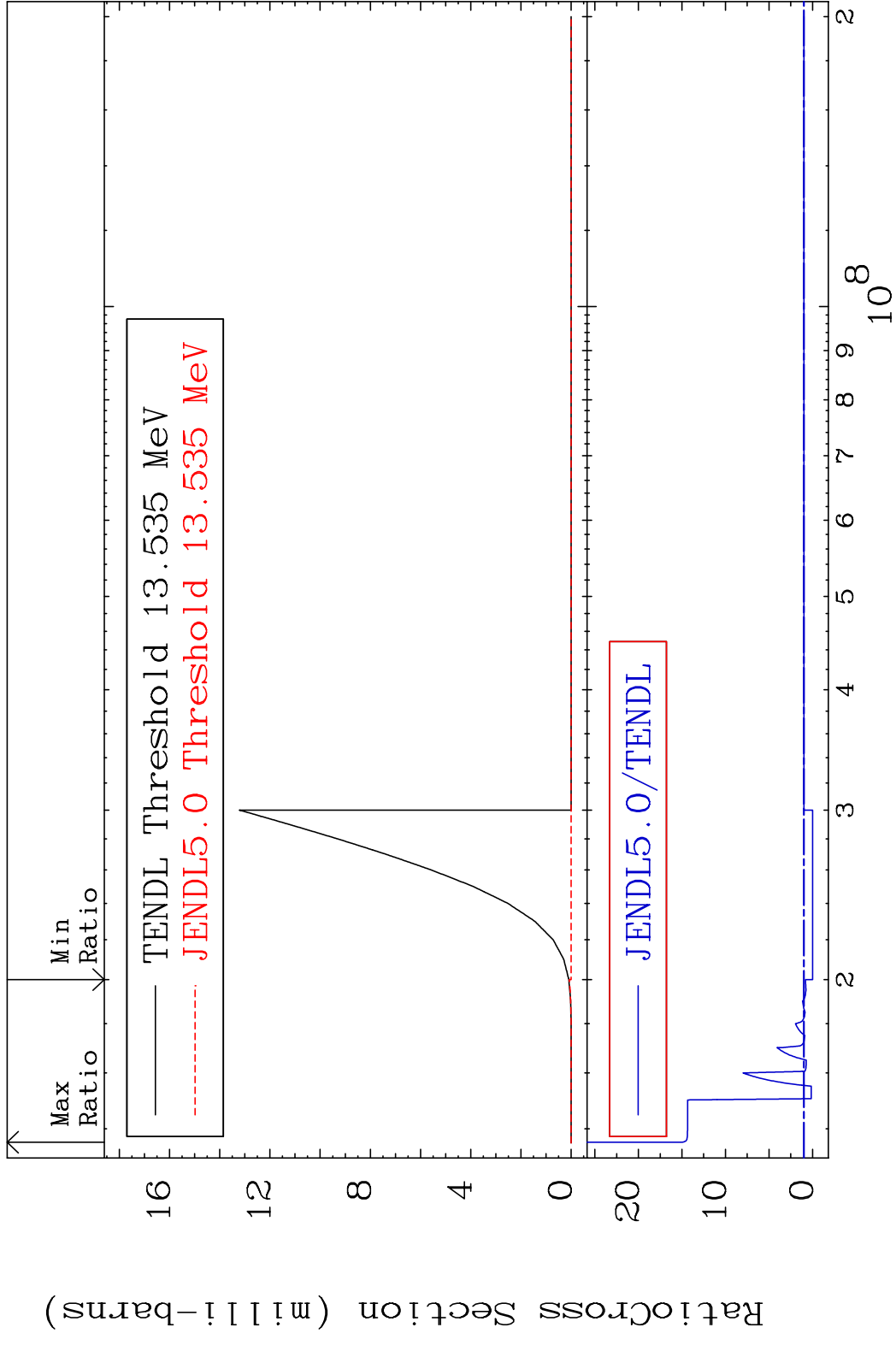
Incident Energy (eV)

41-Nb-93

MAT 4125 (n, n') d 41-Nb-93
 Cross Section -100.0 To 9999. %



MAT 4125 (n, n') t 41-Nb-93
 Cross Section -100.0 To 1395. %



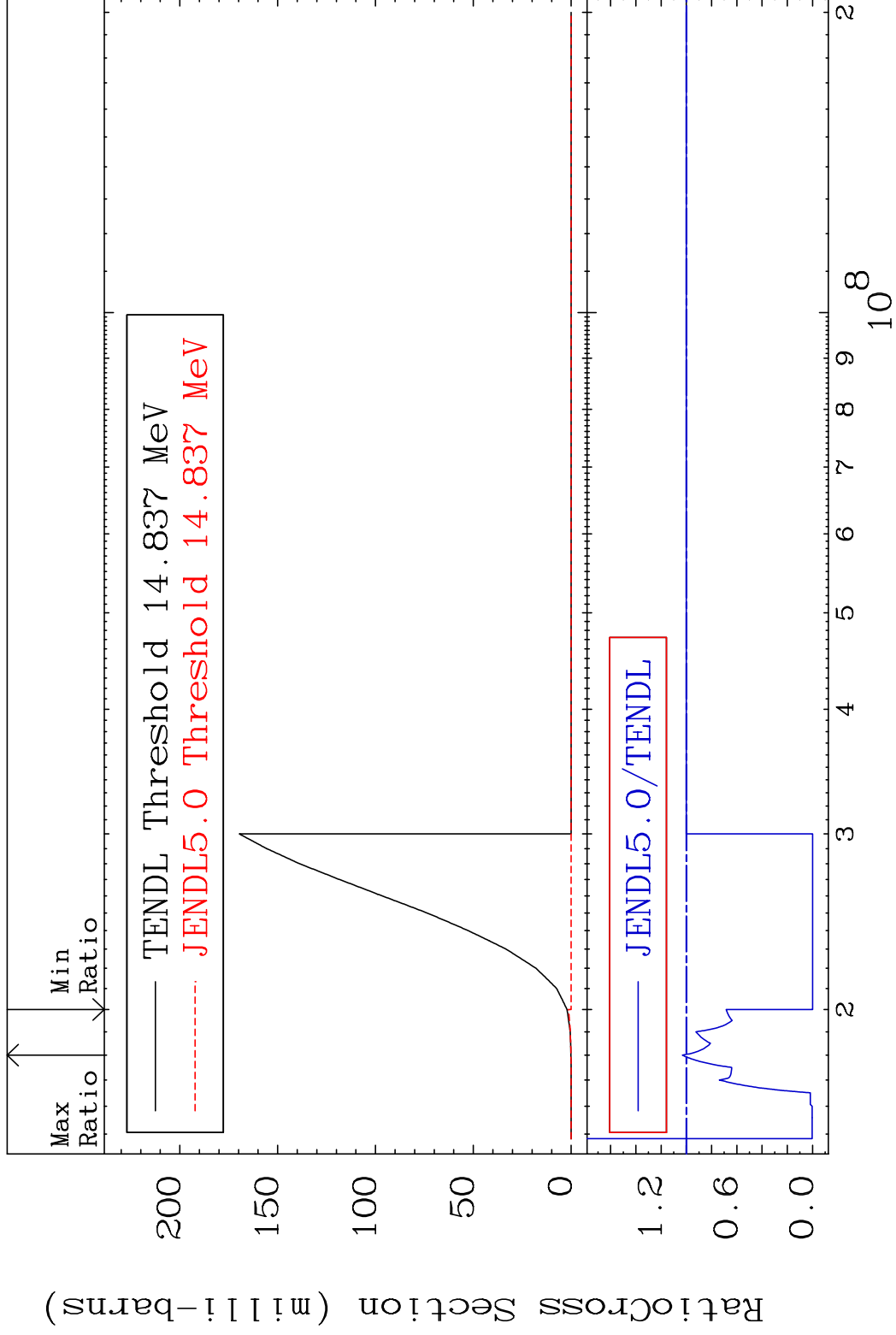
10 Incident Energy (eV) 41-Nb-93

MAT 4125

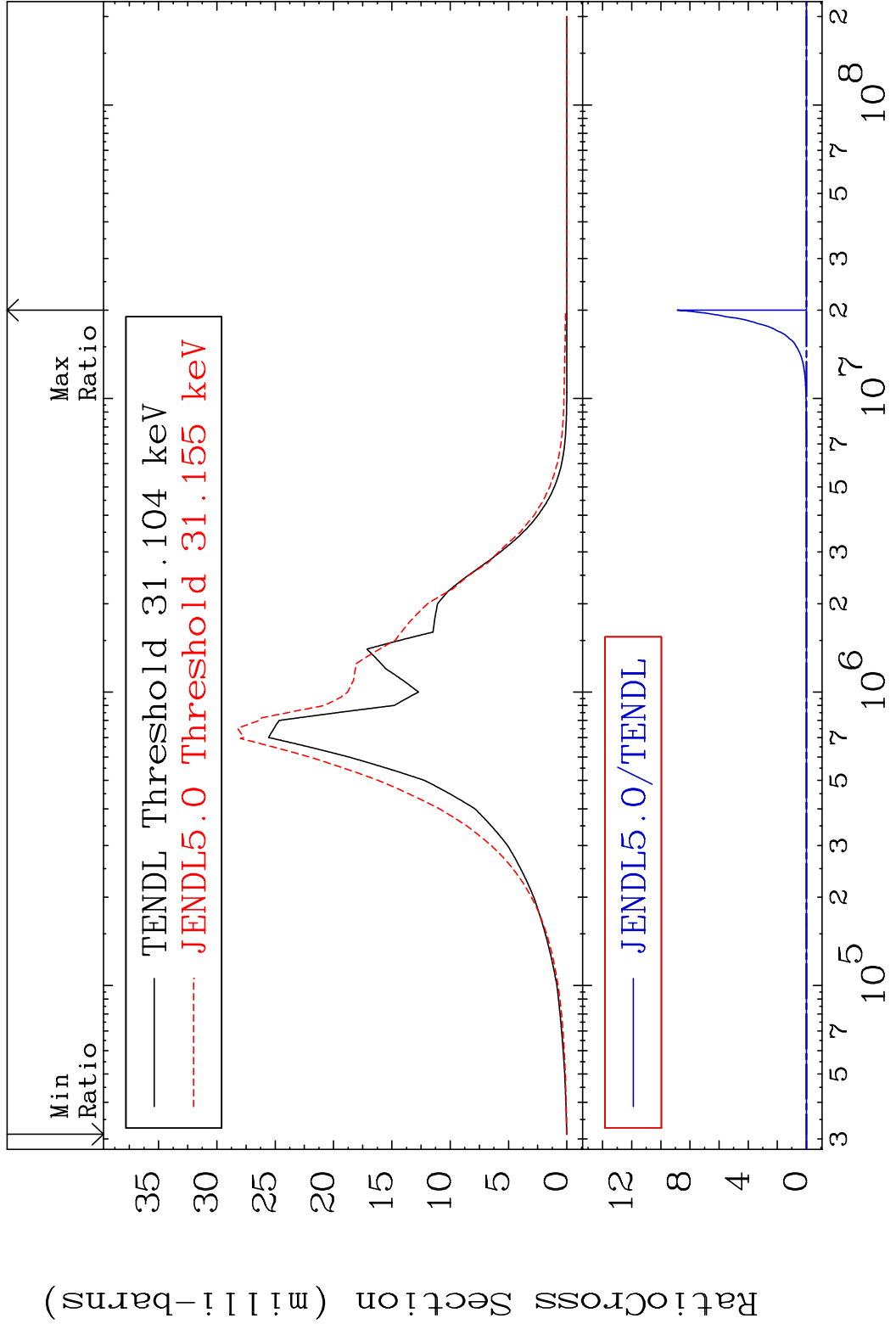
(n,2n) p

41-Nb-93

Cross Section -100.0 To 3.185 %

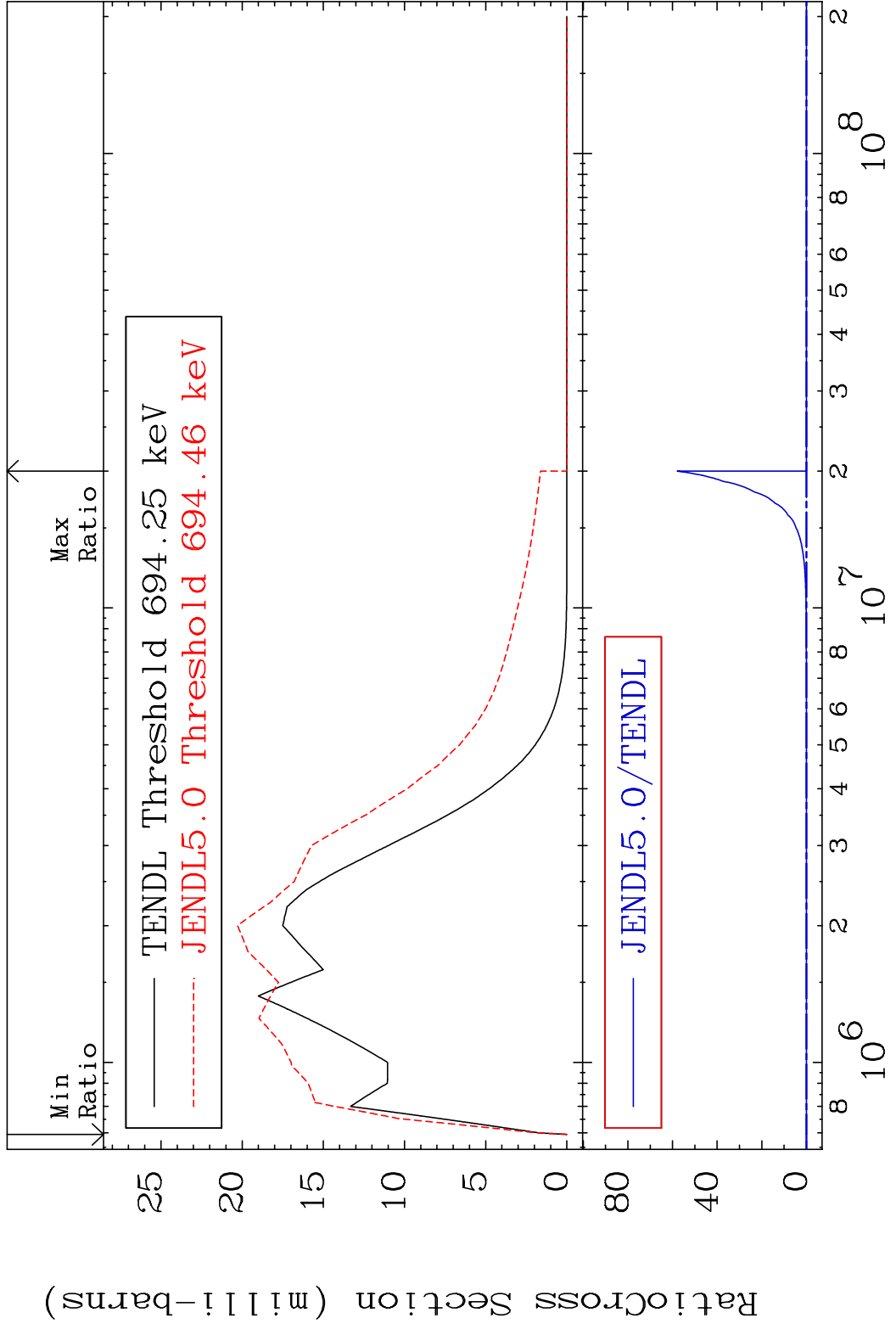


MAT 4125 MT= 51 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



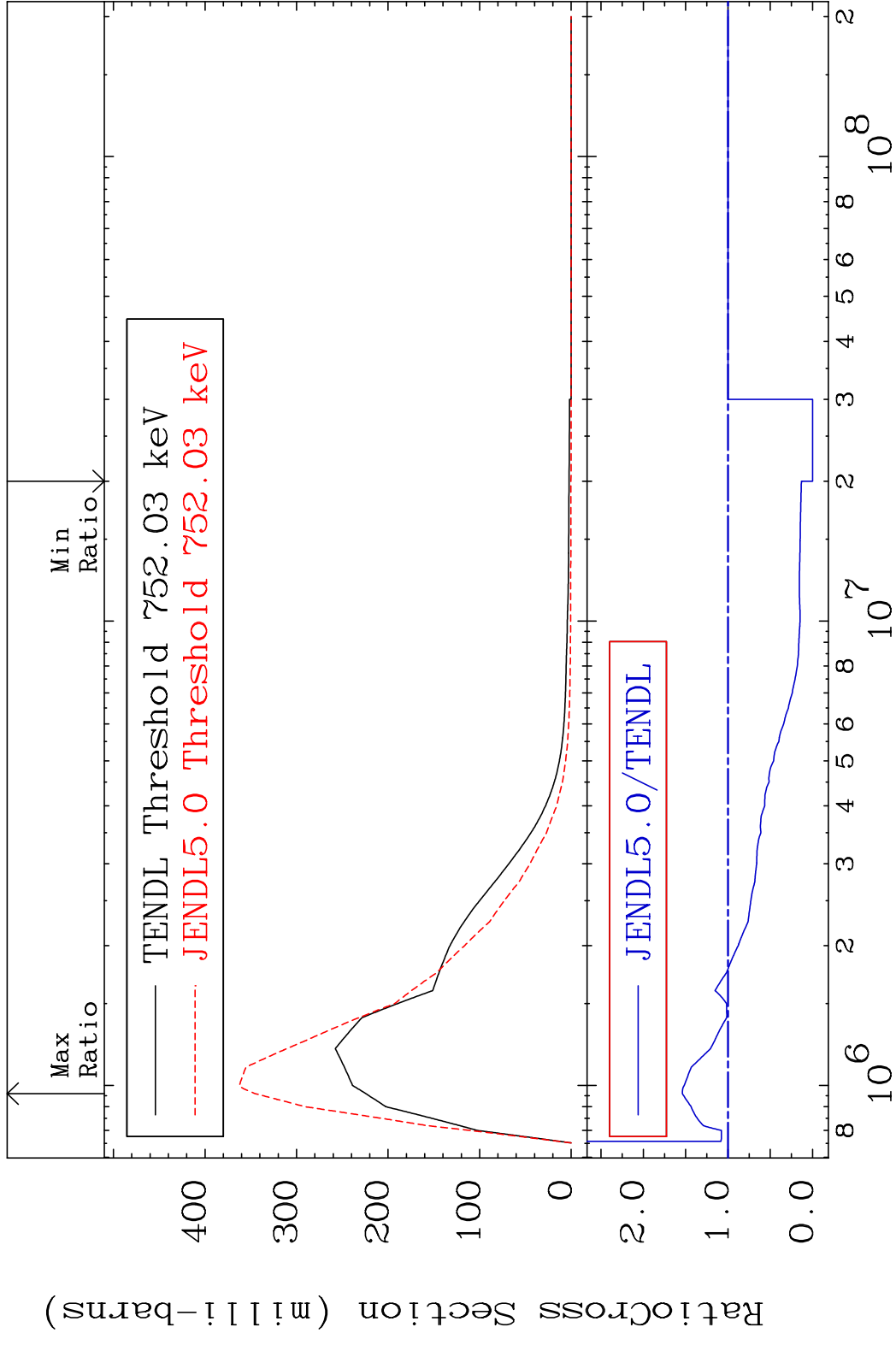
12 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 52 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



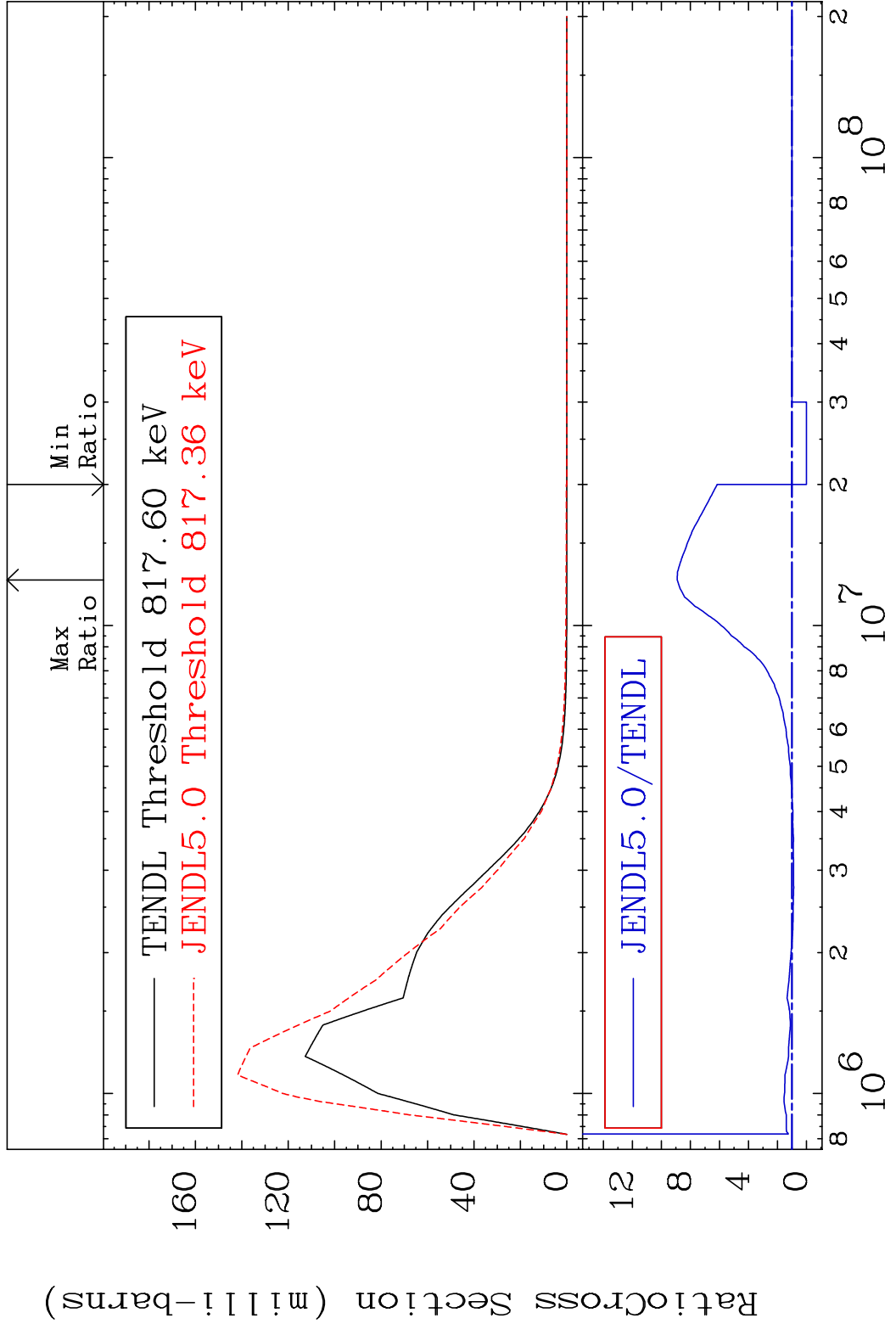
13 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 53 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 53.92 %



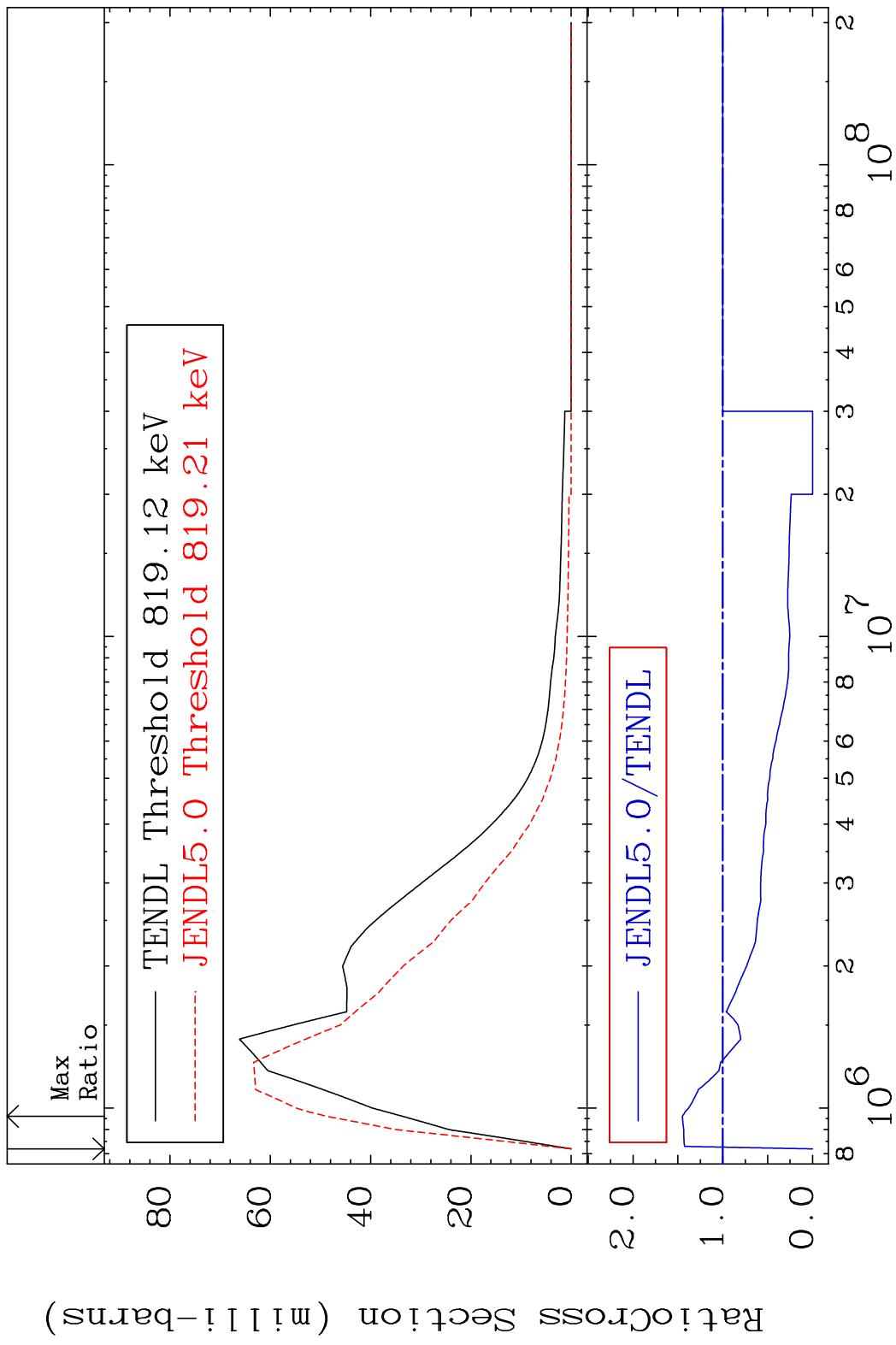
14 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 54 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 791.5 %



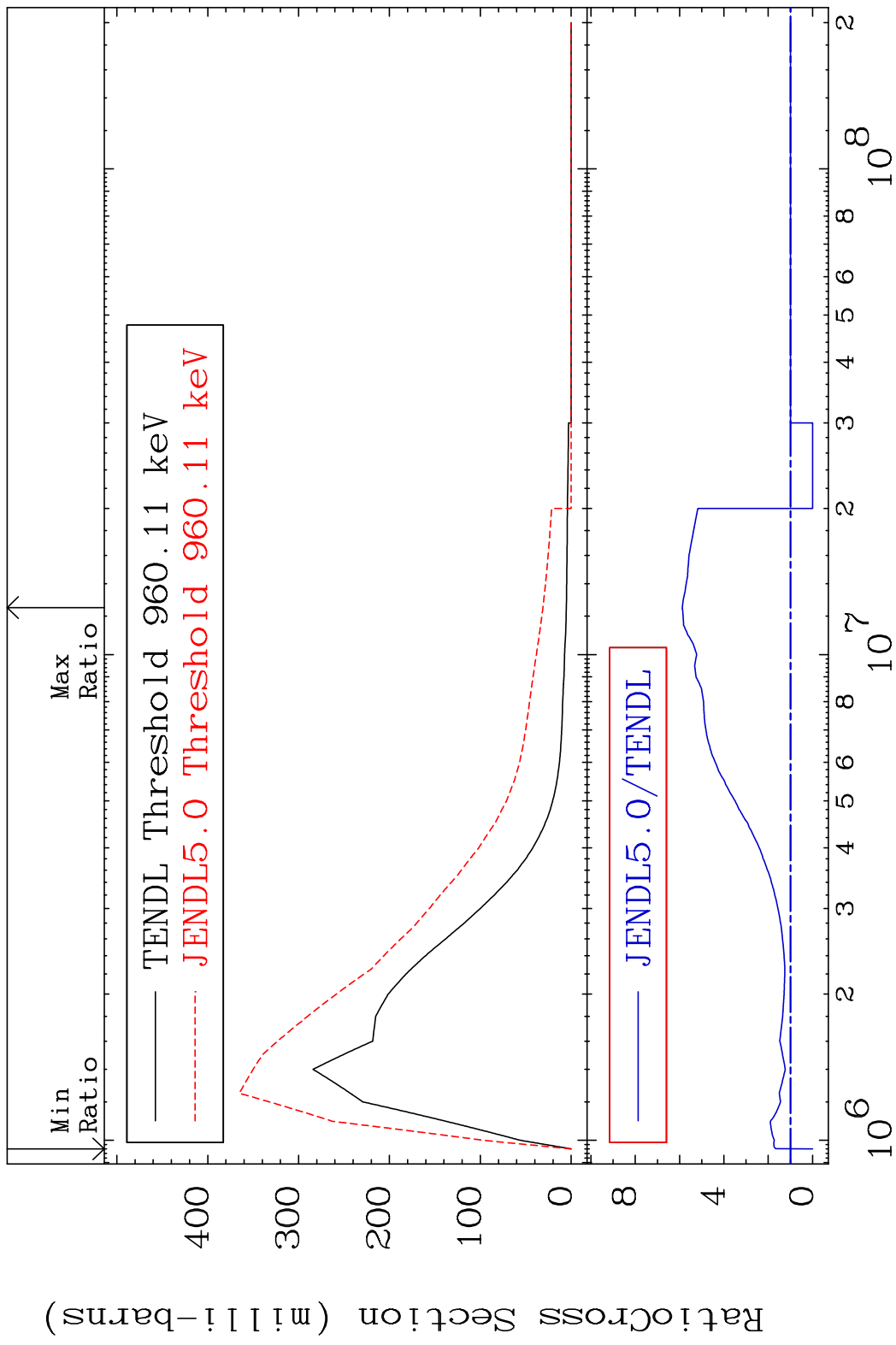
15 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 55 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 45.05 %



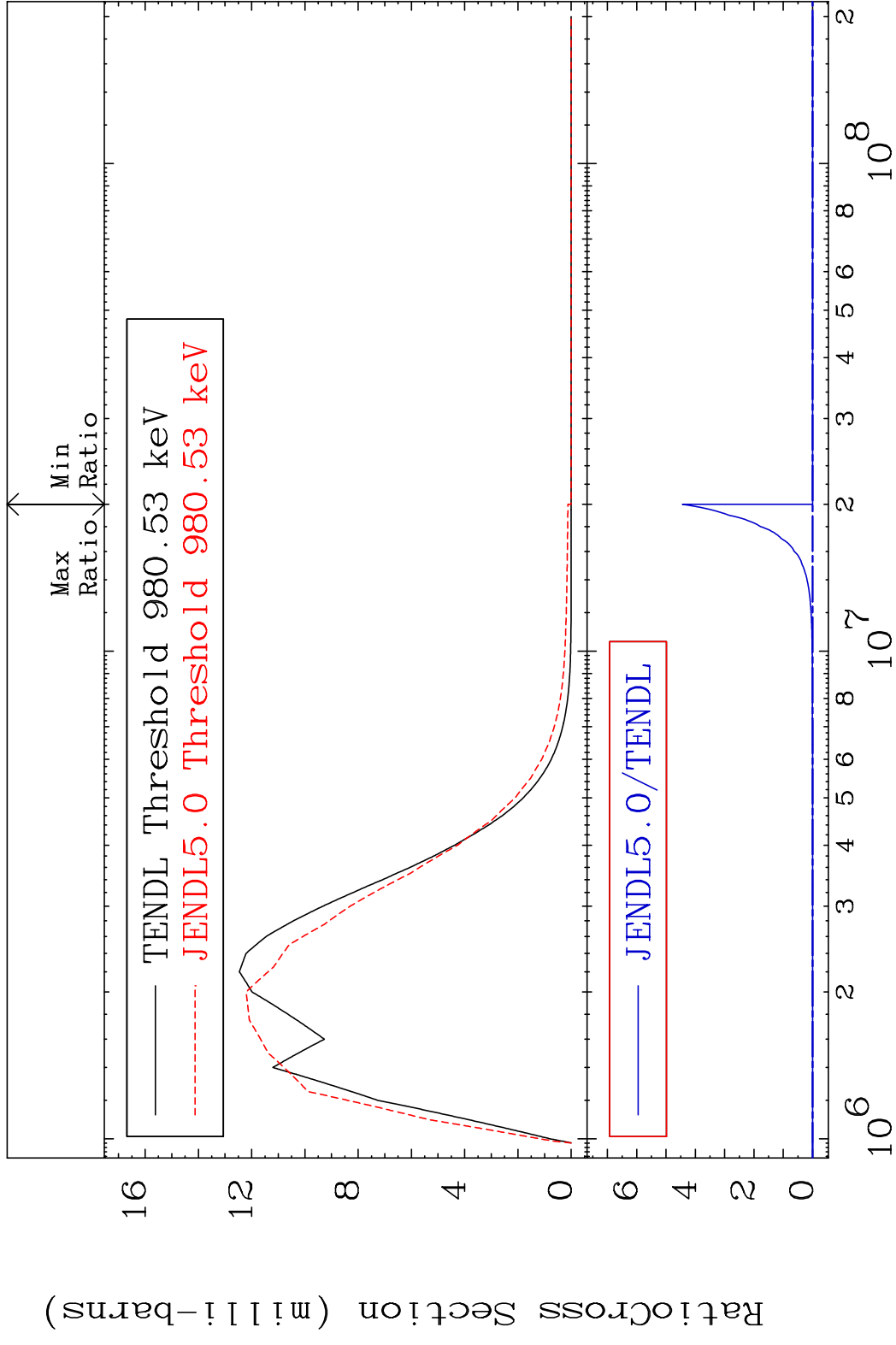
16 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 56 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 487.5 %



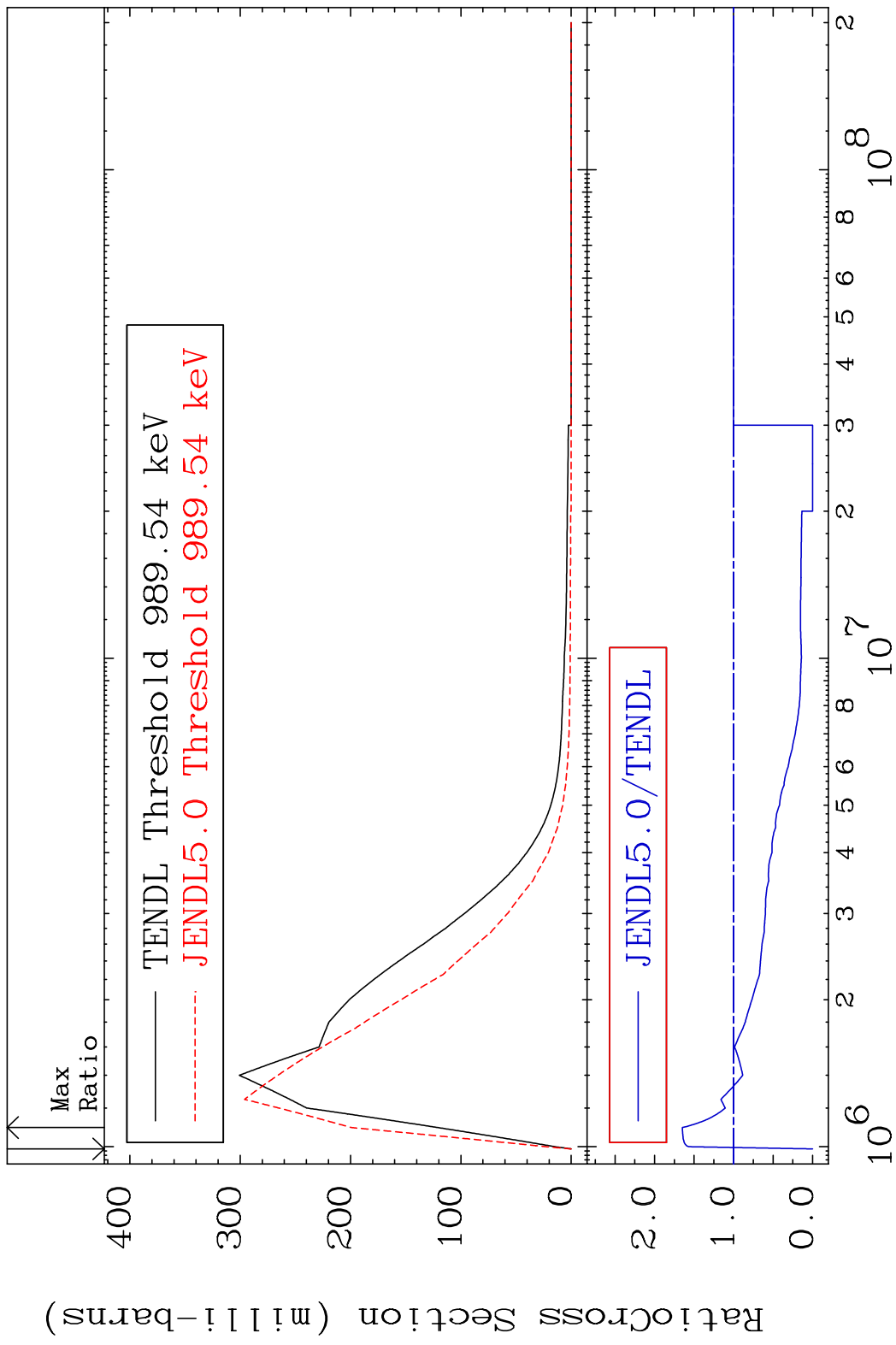
17 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 57 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



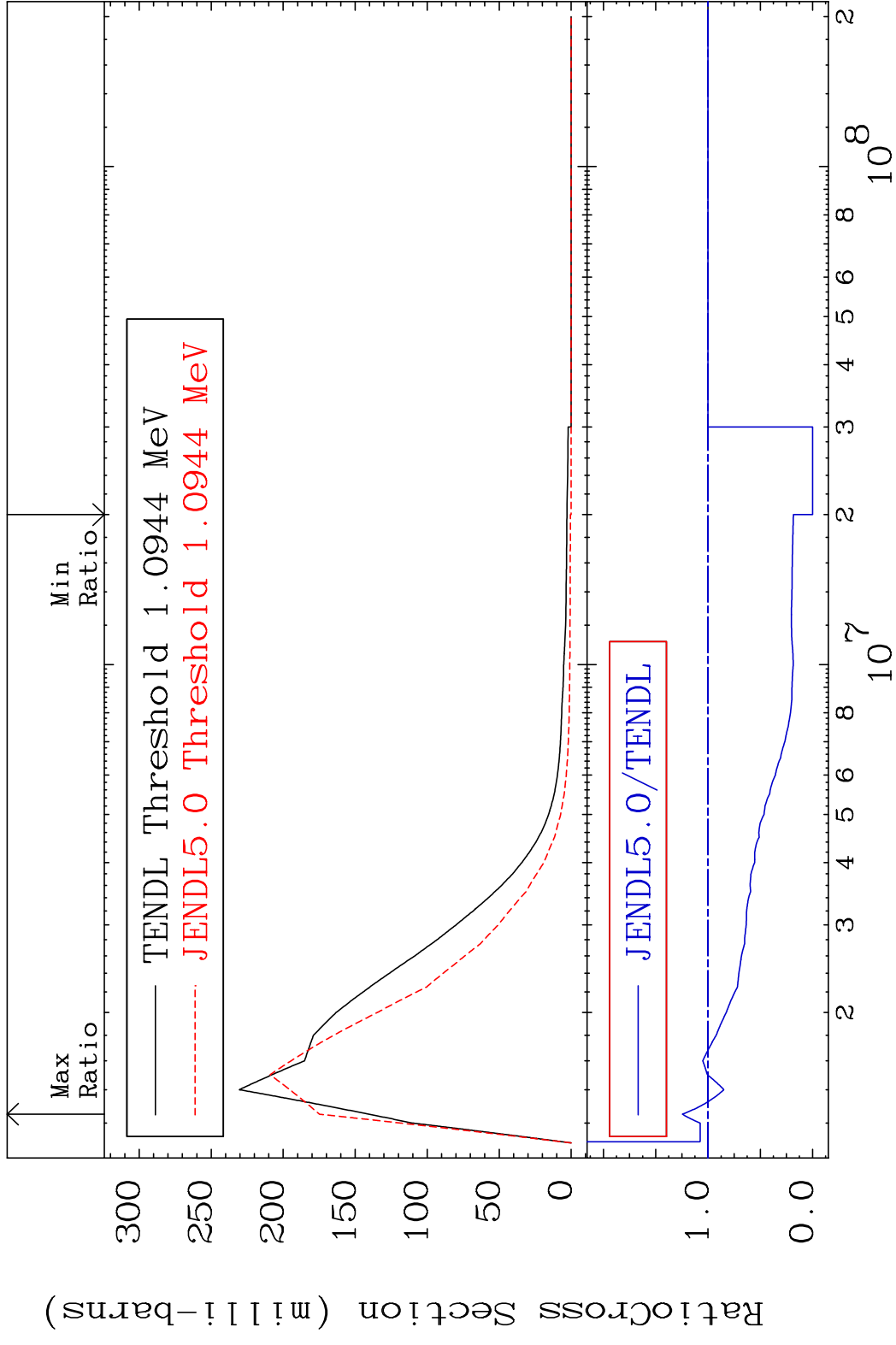
18 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 58 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 64.83 %

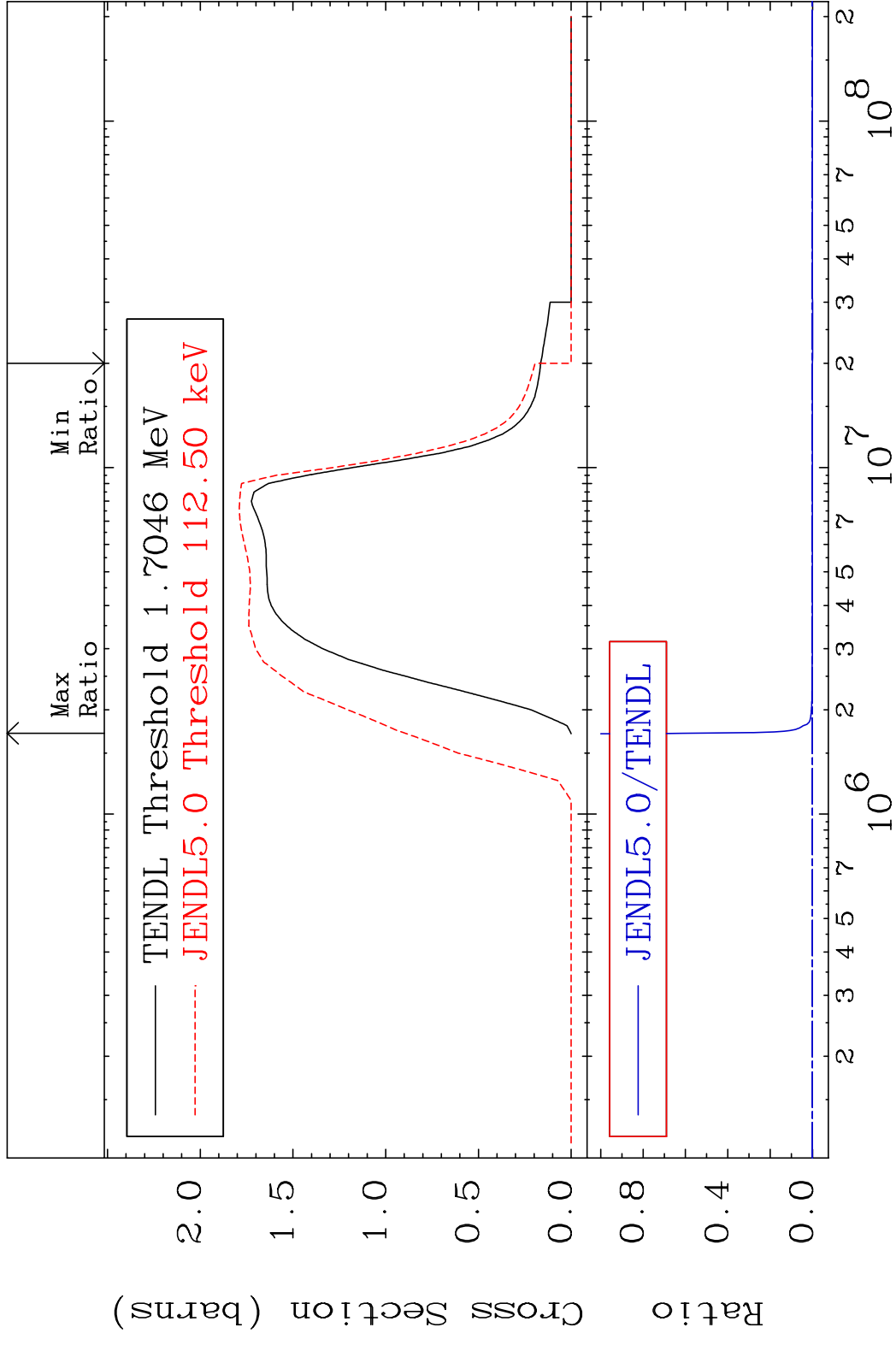


19 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 59 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 24.51 %



MAT 4125 (n, n') Continuum 41-Nb-93
 Cross Section -100.0 To 9999. %

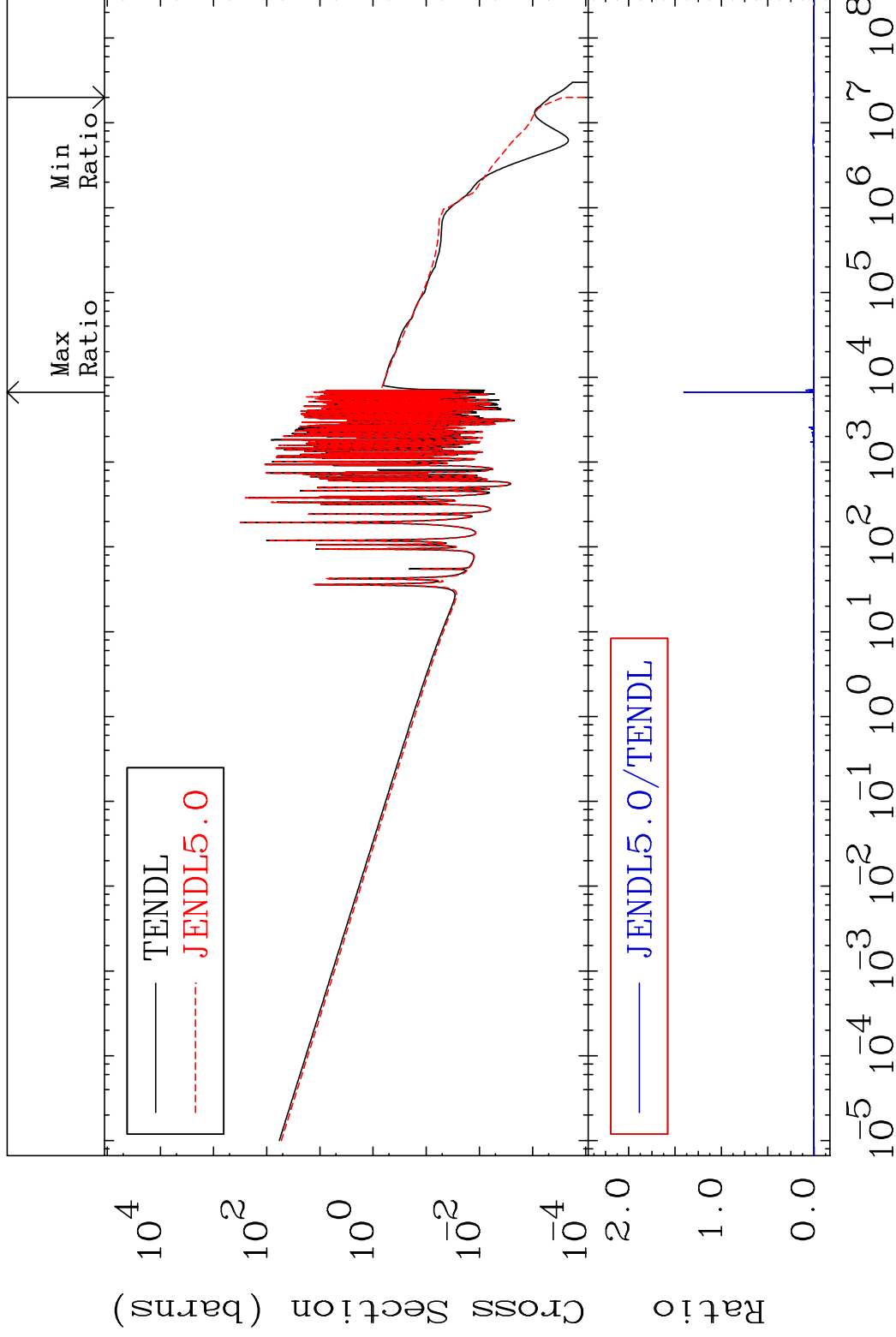


MAT 4125

(n, γ)

41-Nb-93

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

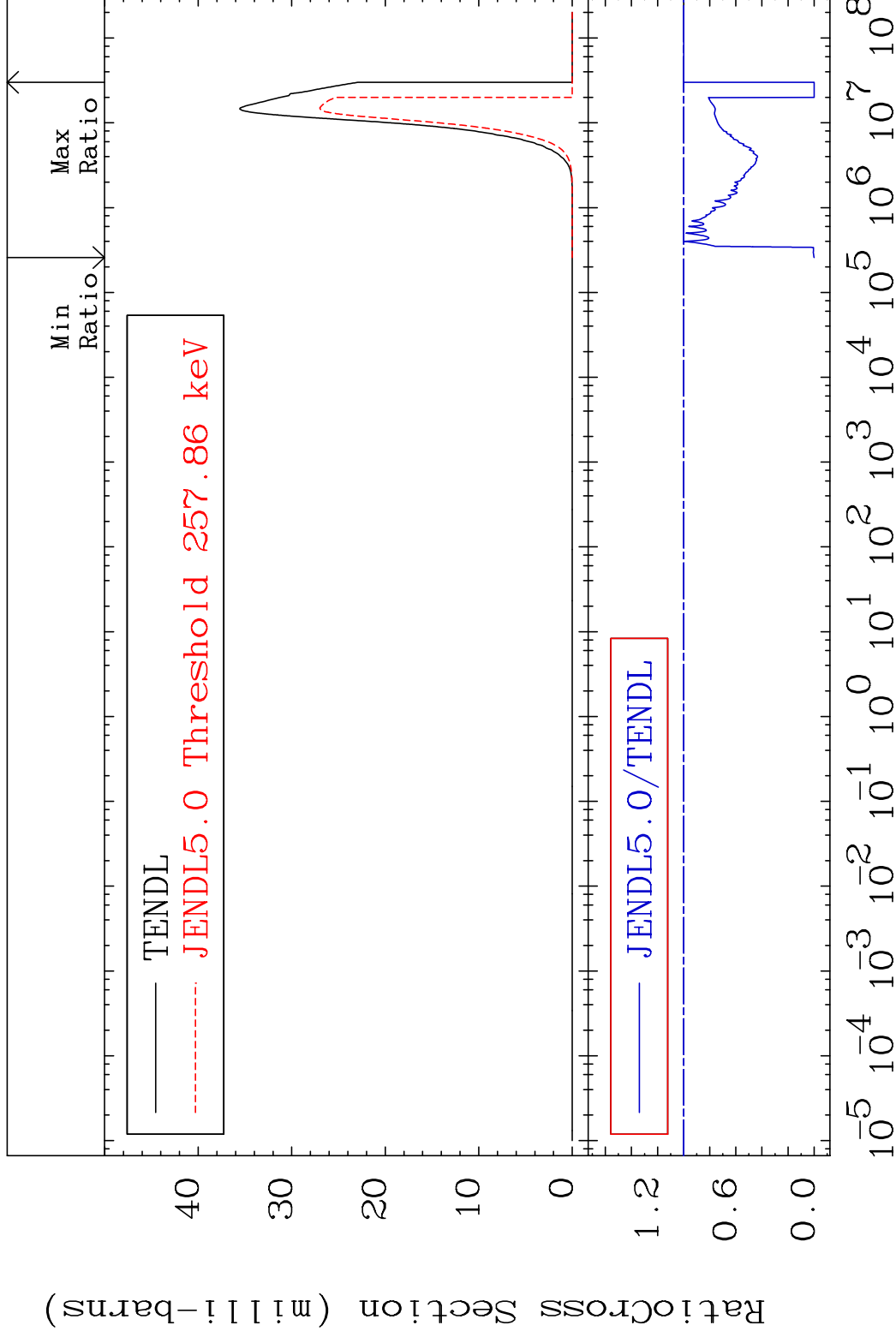
41-Nb-93

MAT 4125

(n, p)

41-Nb-93

Cross Section -100.0 To 0.000 %



23

Incident Energy (eV)

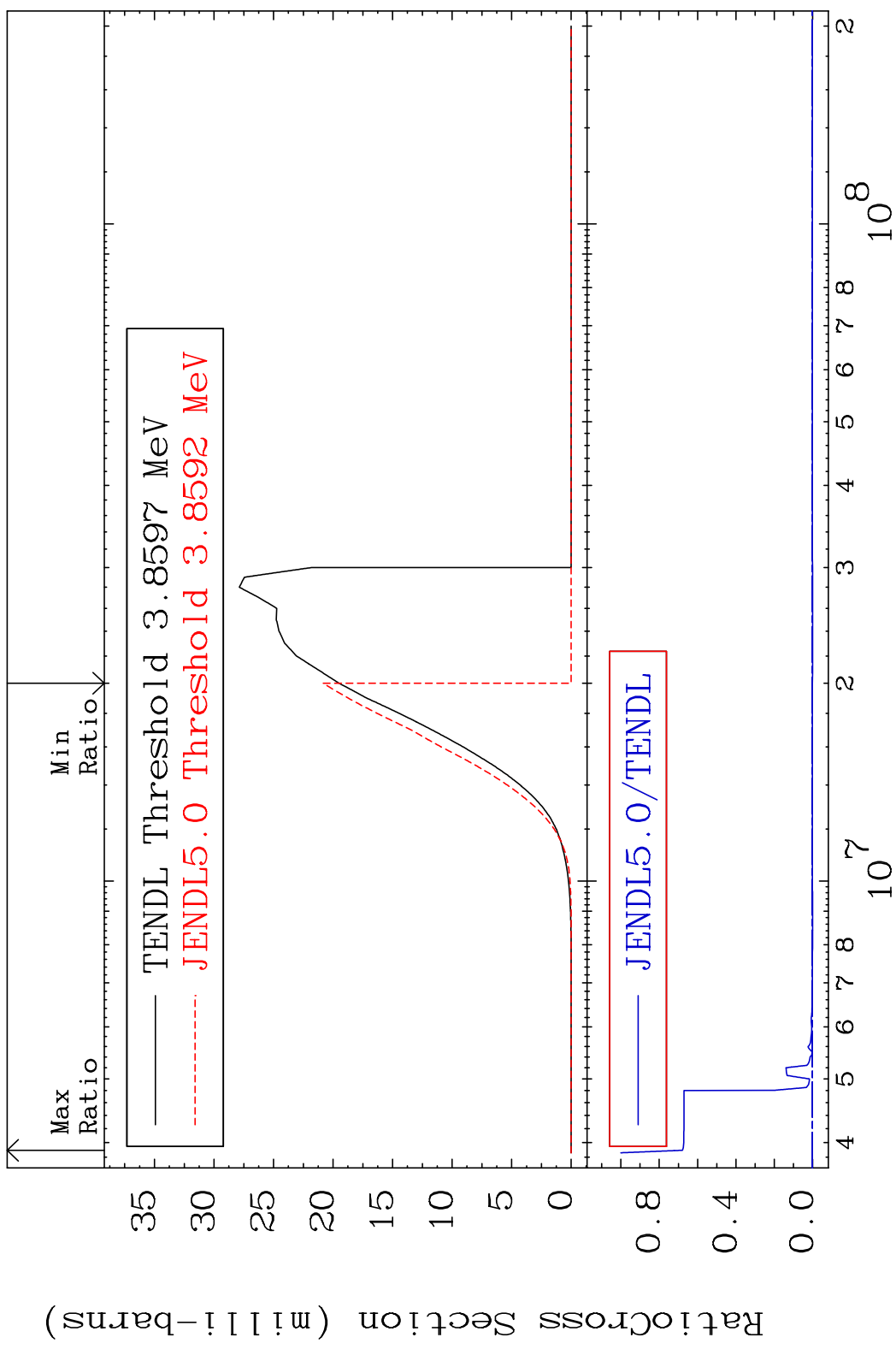
41-Nb-93

MAT 4125

(n, d)

41-Nb-93

Cross Section -100.0 To 9999. %

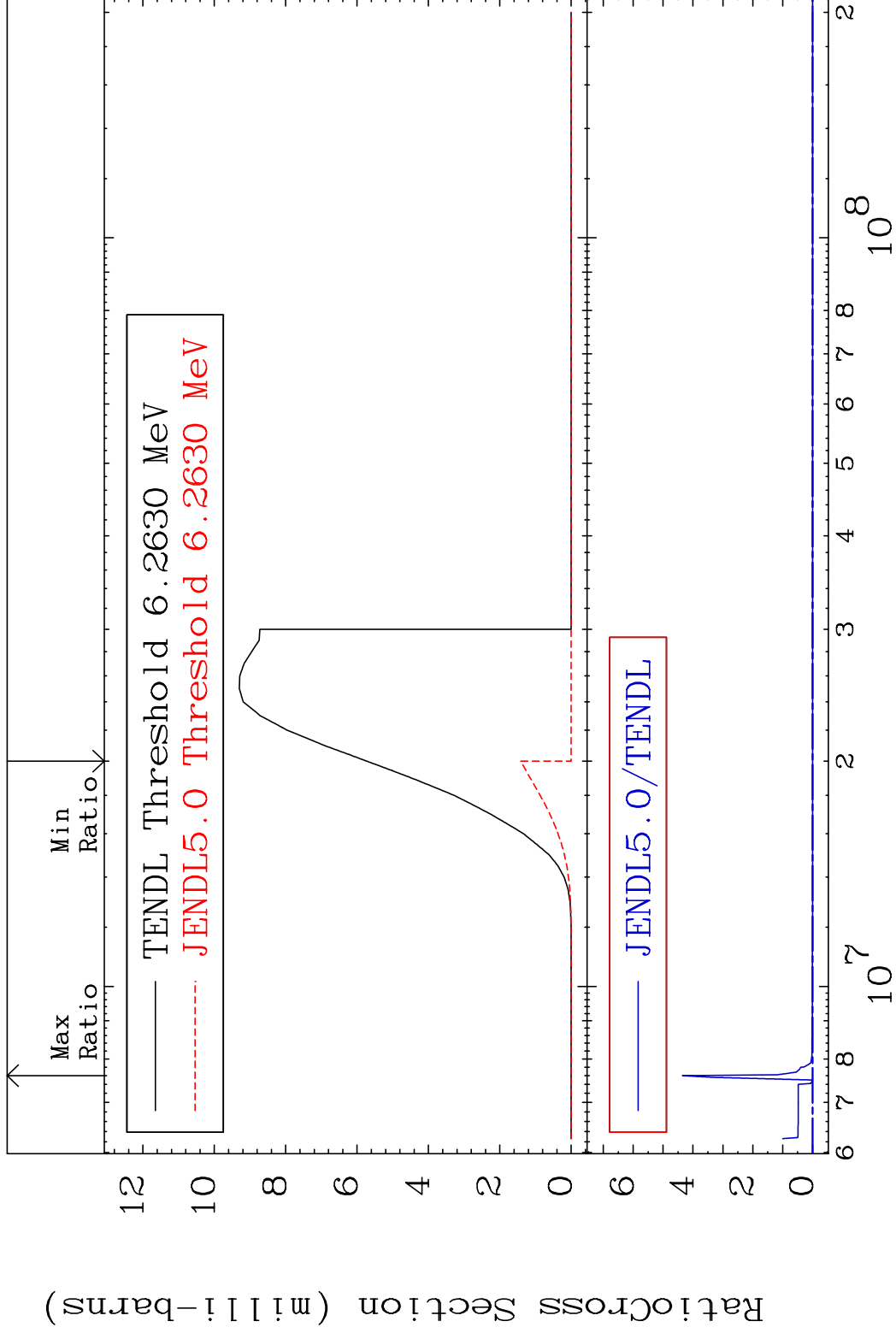


MAT 4125

(n, t)

41-Nb-93

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

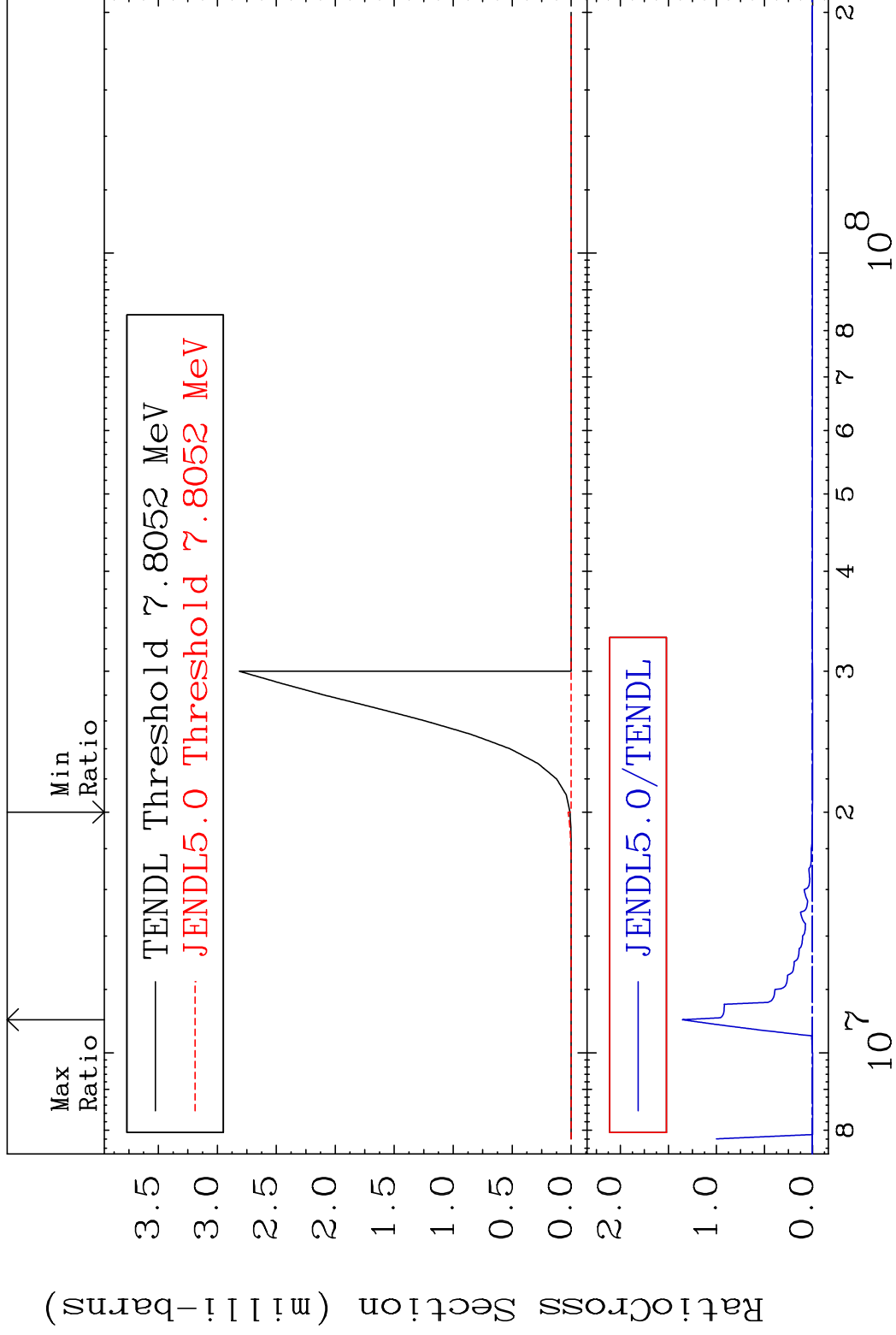
41-Nb-93

MAT 4125

(n, He-3)

41-Nb-93

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

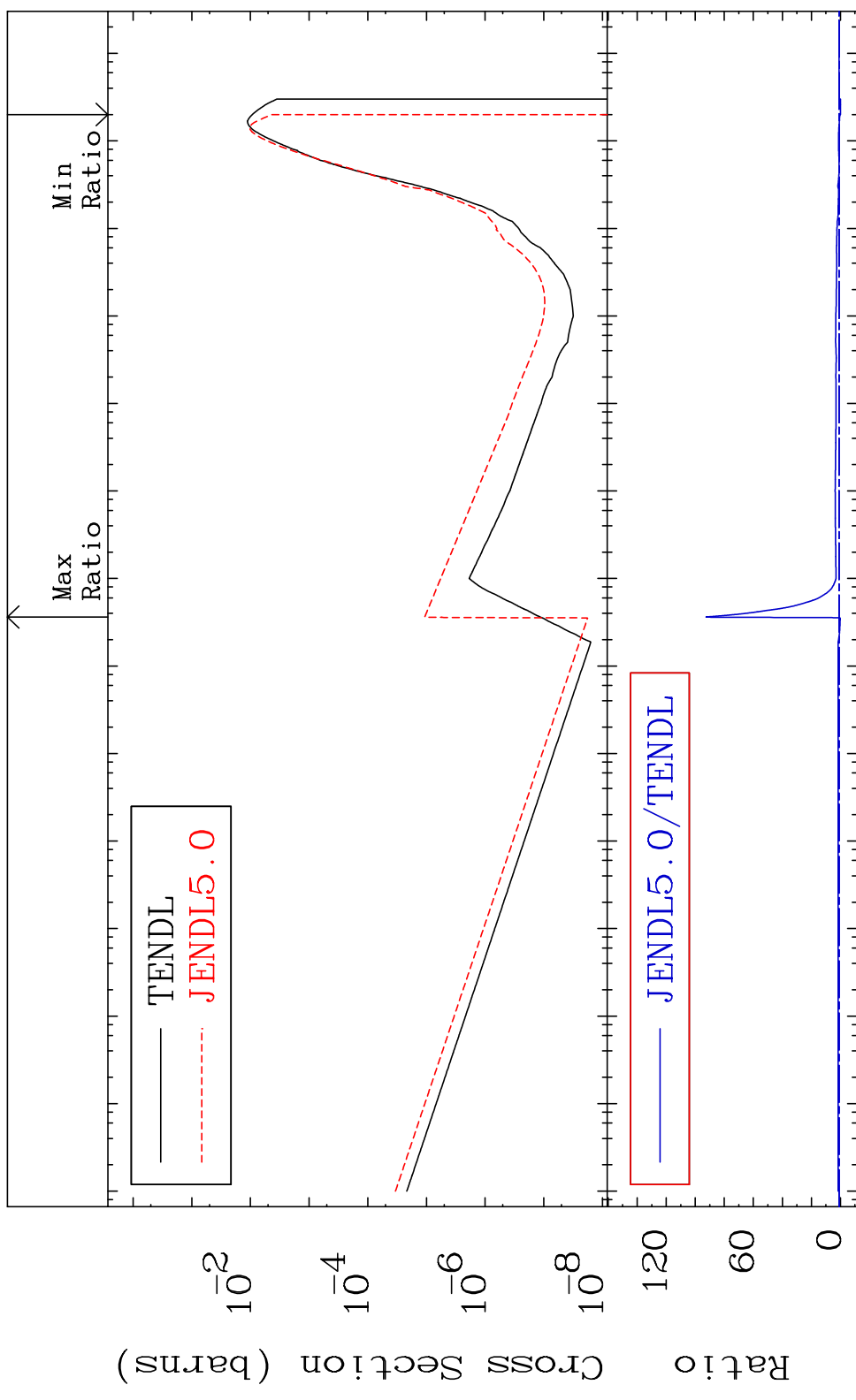
41-Nb-93

MAT 4125

(n, α)

41-Nb-93

Cross Section -100.0 To 9175. %



27

Incident Energy (eV)

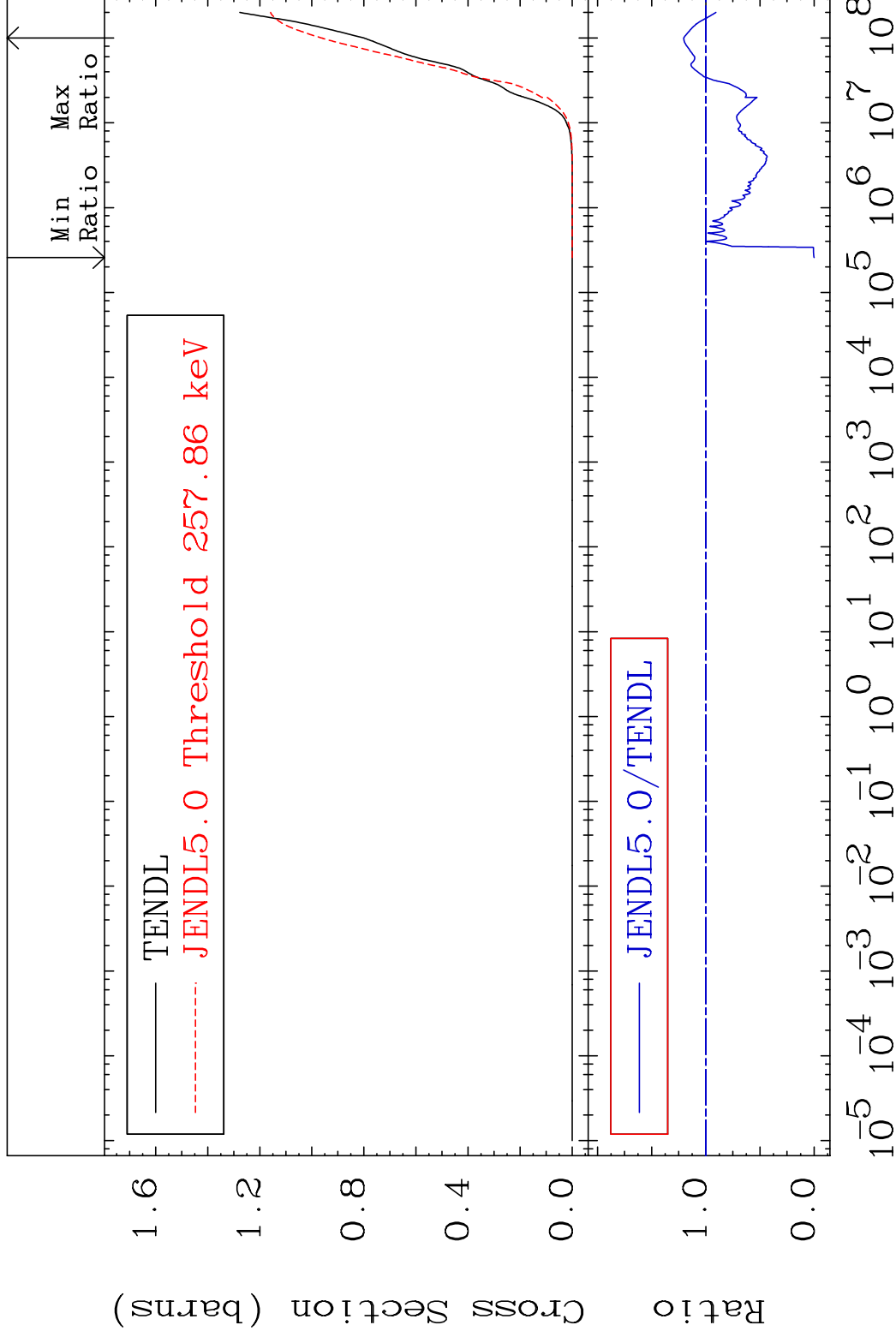
41-Nb-93

MAT 4125

Hydrogen Production

41-Nb-93

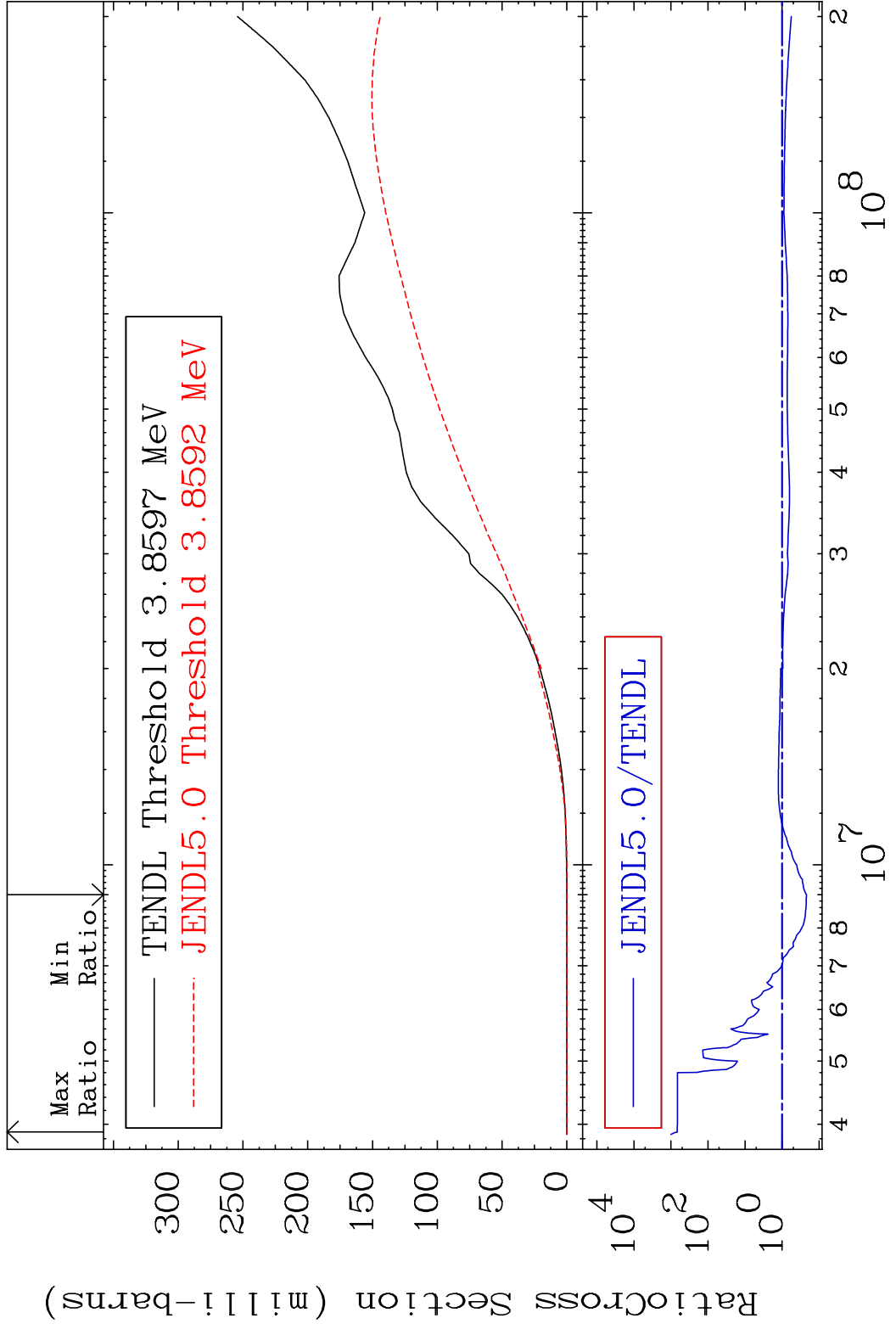
Cross Section -100.0 To 20.43 %



28

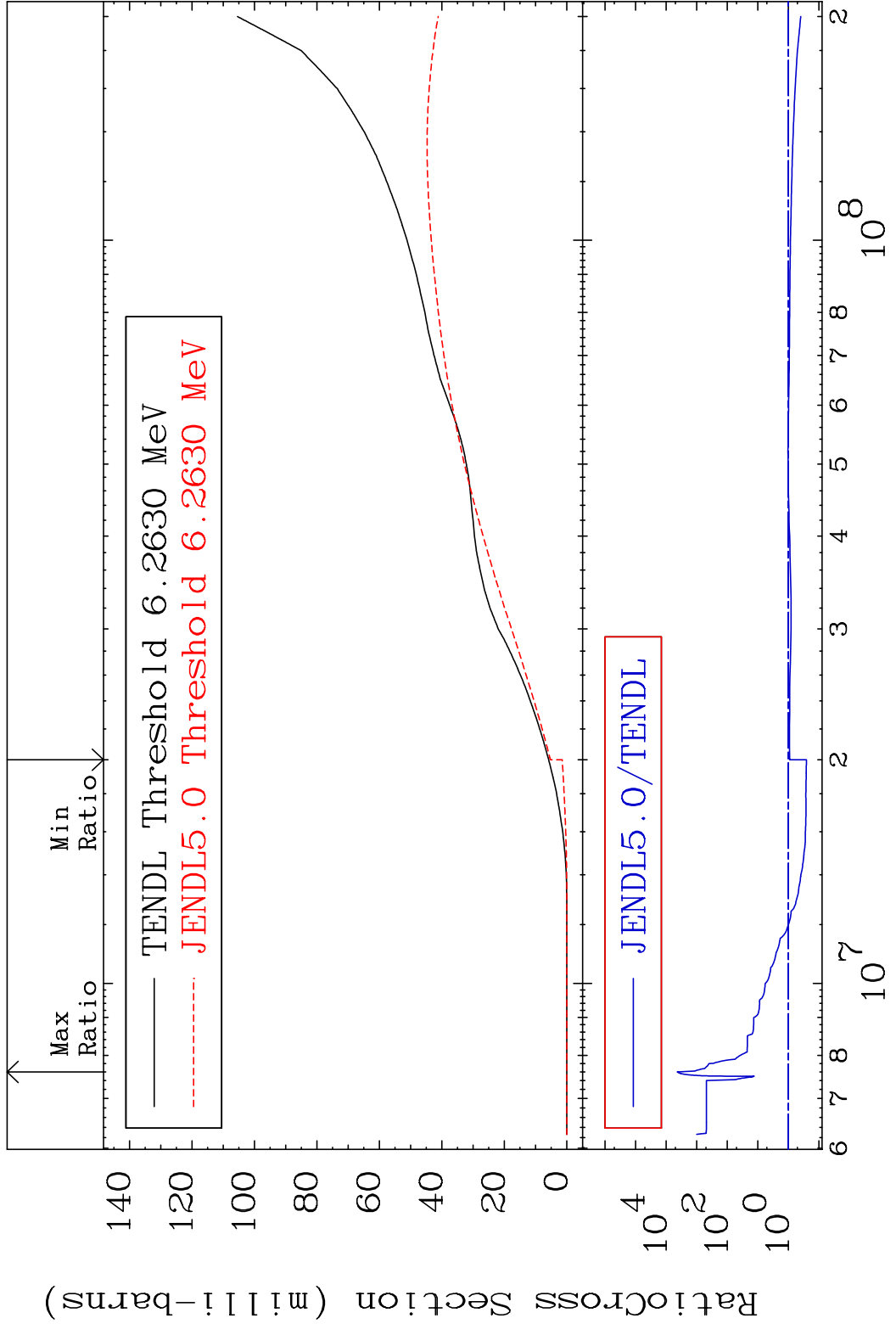
Incident Energy (eV)

41-Nb-93



MAT 4125

Tritium Production 41-Nb-93
Cross Section -74.48 To 9999. %



30

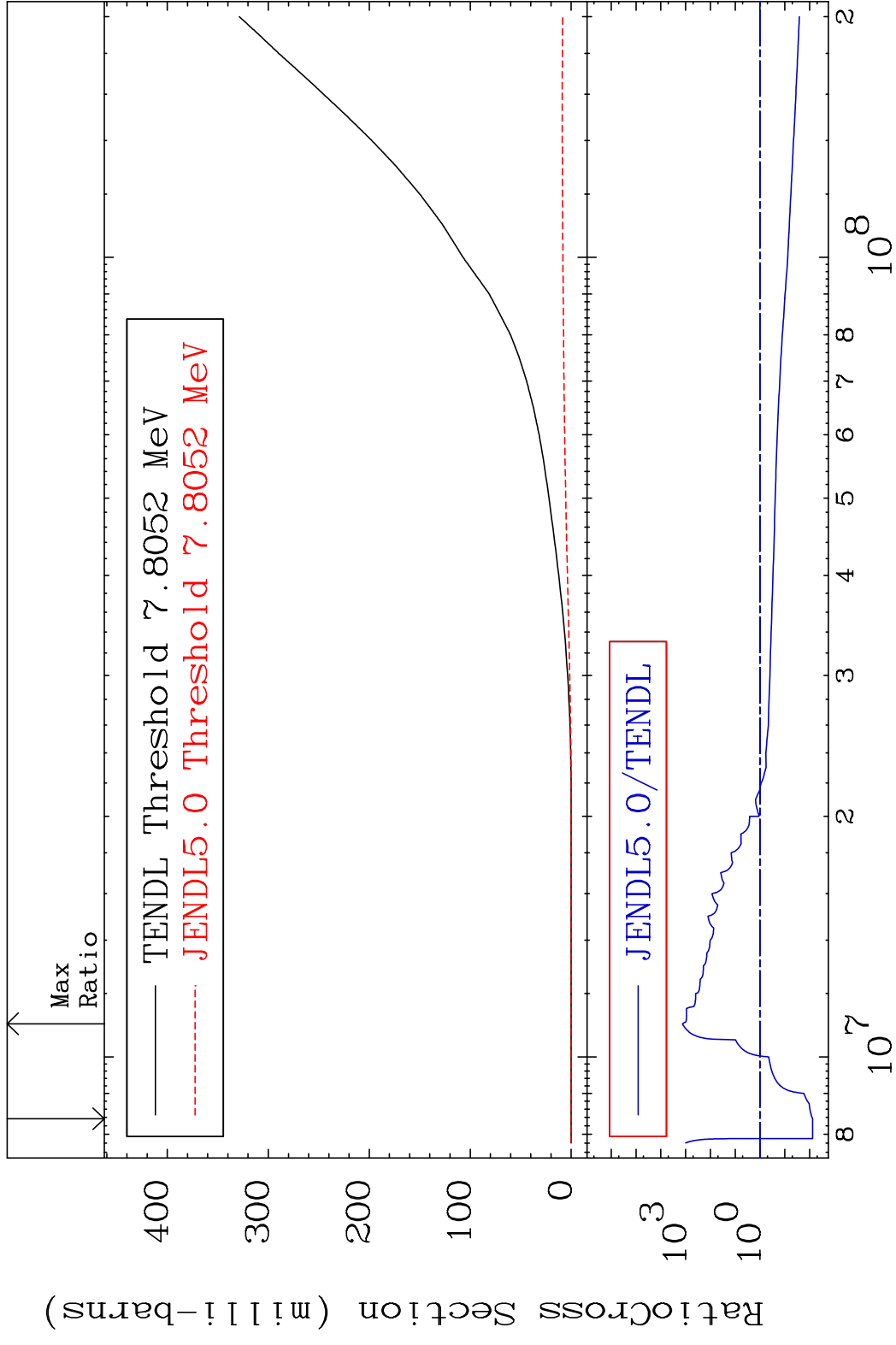
41-Nb-93

MAT 4125

He-3 Production

41-Nb-93

Cross Section -99.24 To 9999. %

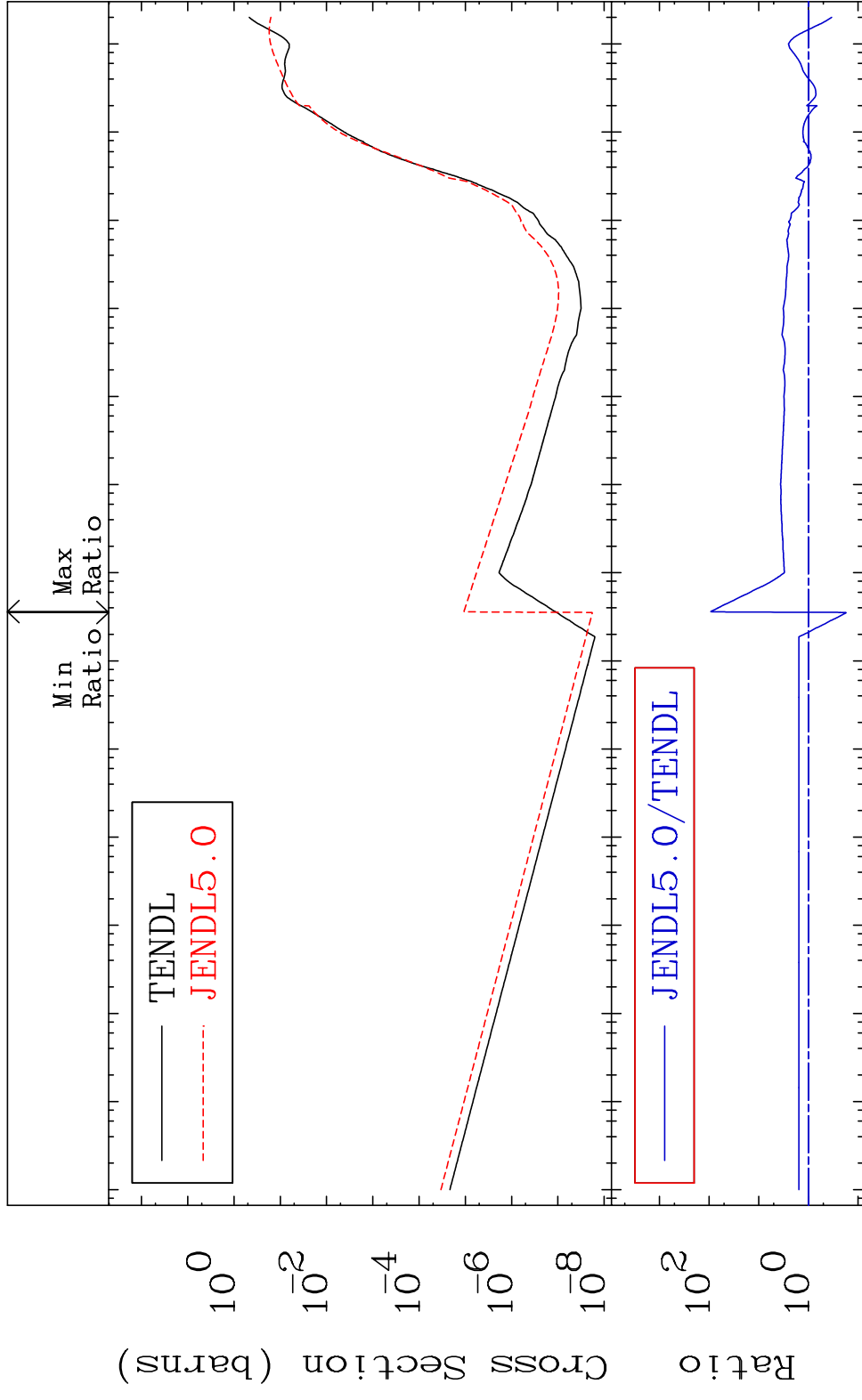


MAT 4125

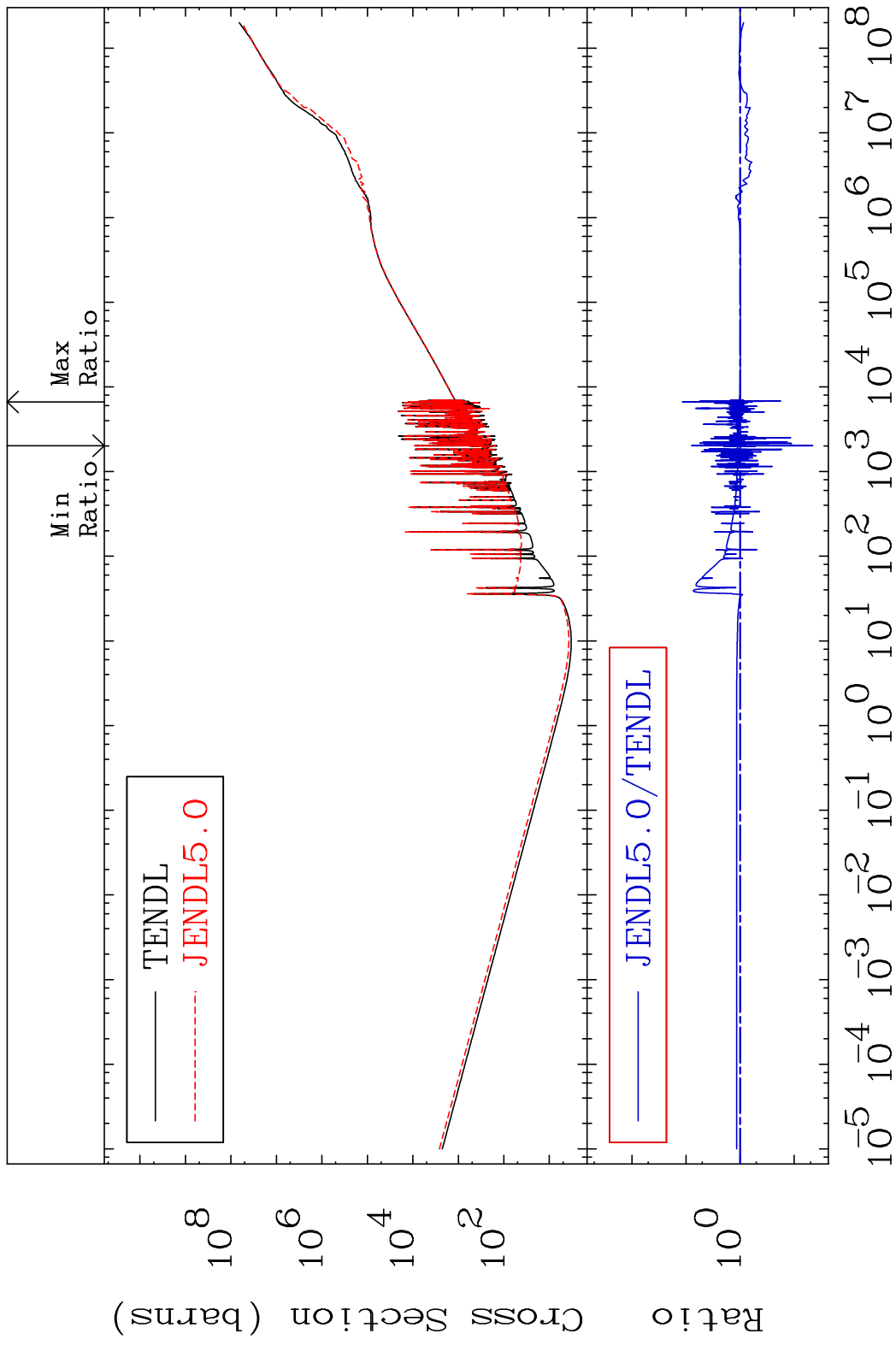
He-4 Production

41-Nb-93

Cross Section -82.74 To 9175. %



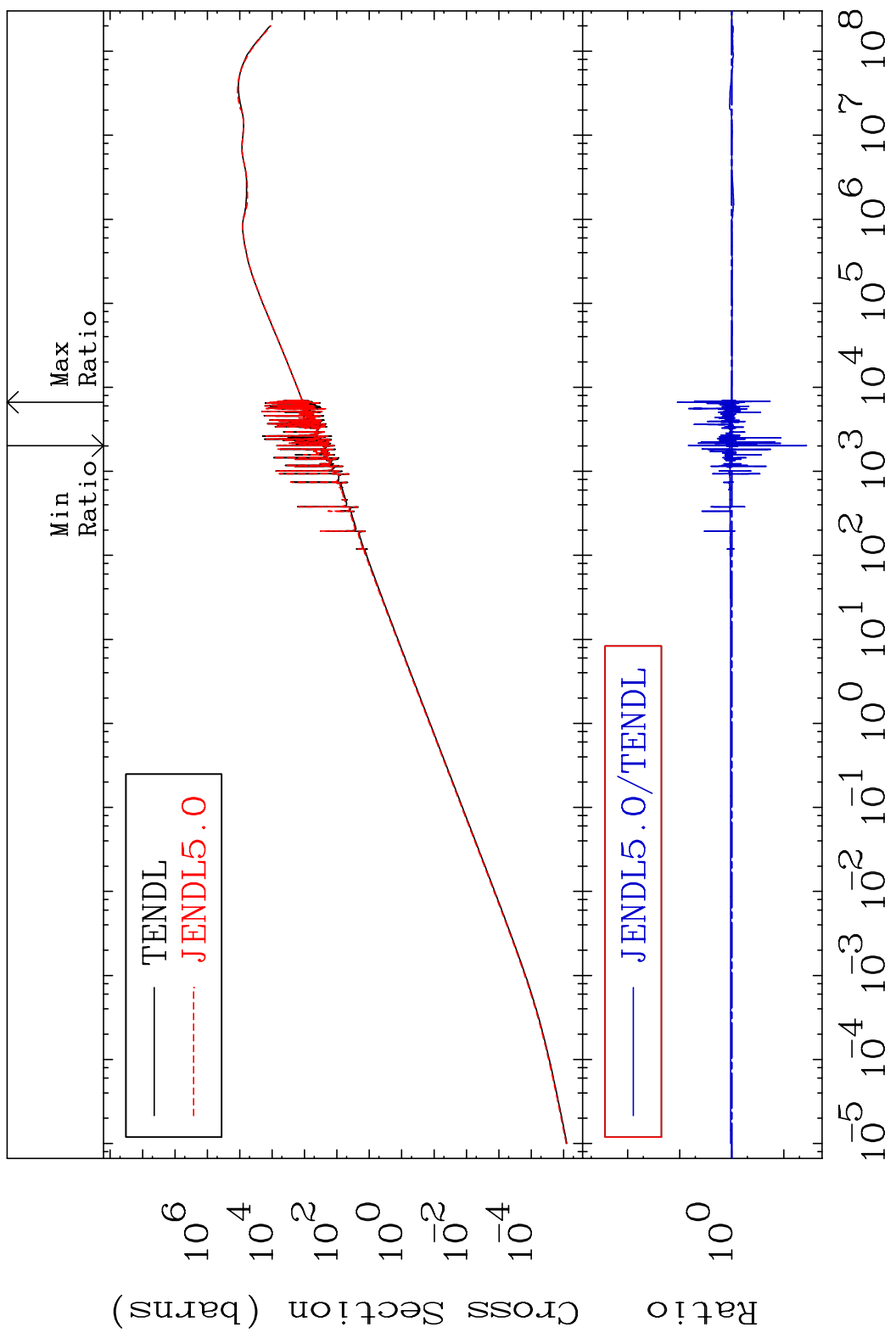
MAT 4125 Kerma total (eV-barns) 41-Nb-93
Cross Section -95.43 To 1068. %



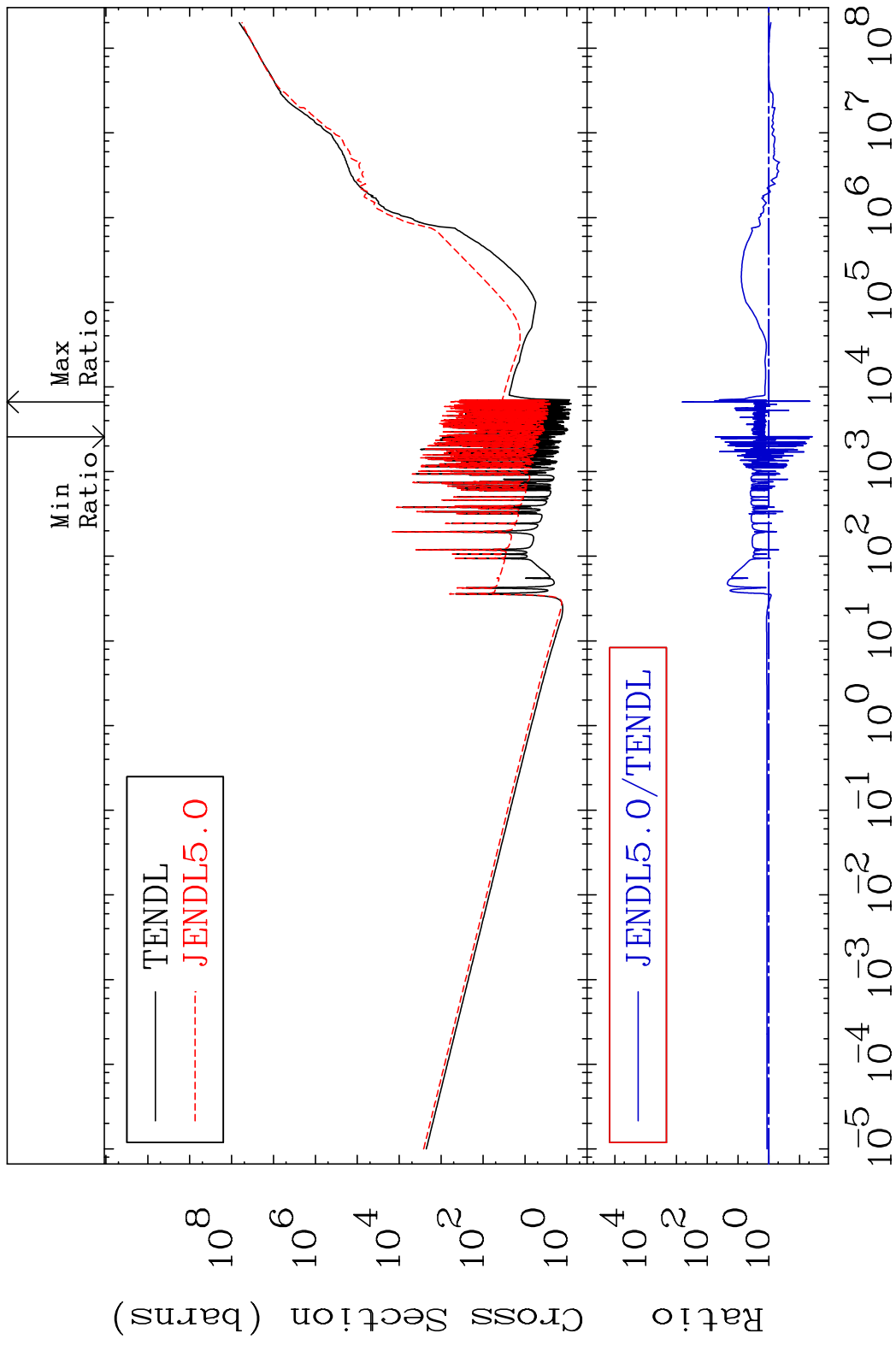
MAT 4125

Kerma elastic Cross Section -96.31 To 1016. %

41-Nb-93

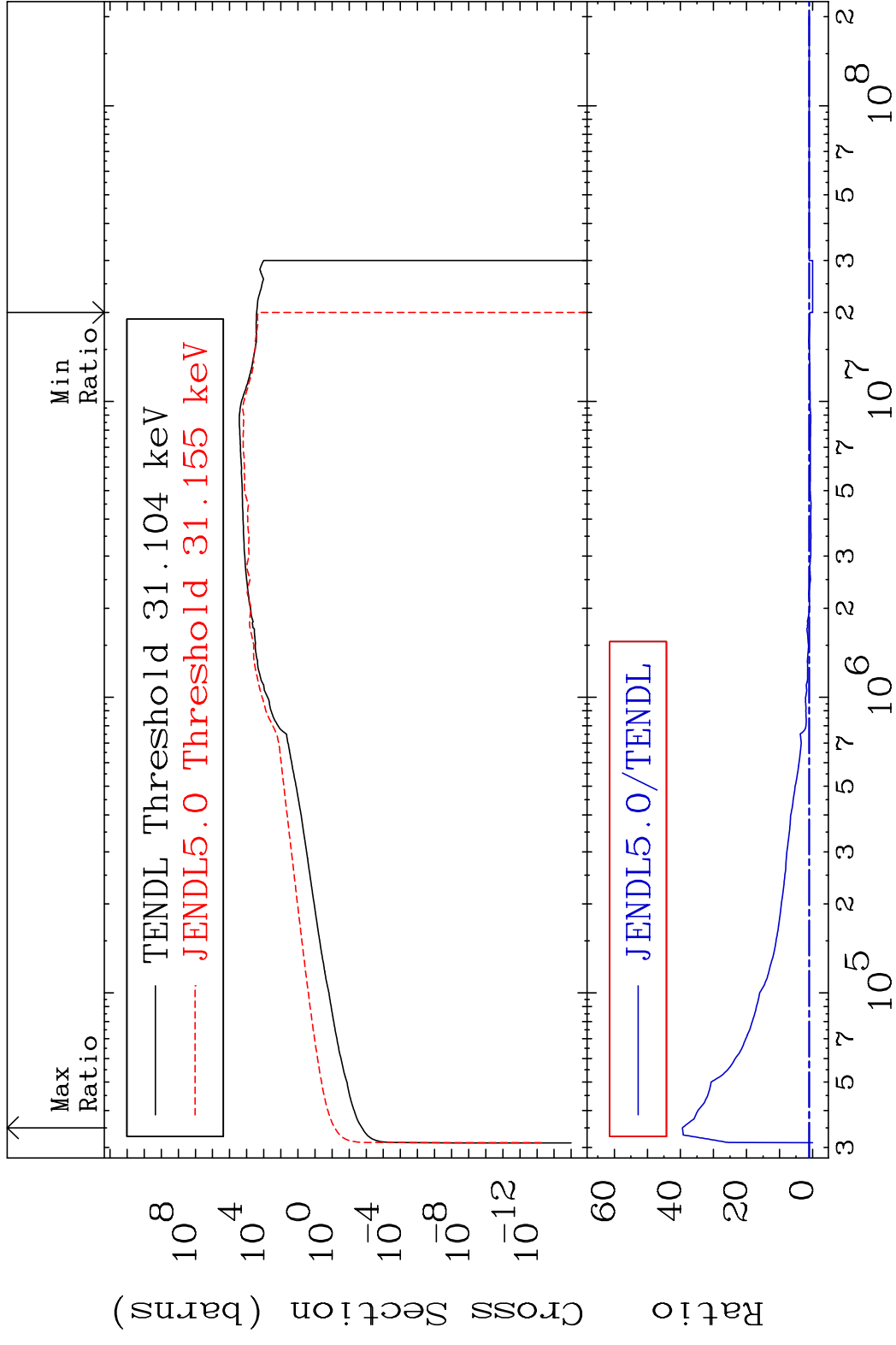


MAT 4125 Kerma non-elastic (all but mt2) 41-Nb-93
 Cross Section -96.18 To 9999. %

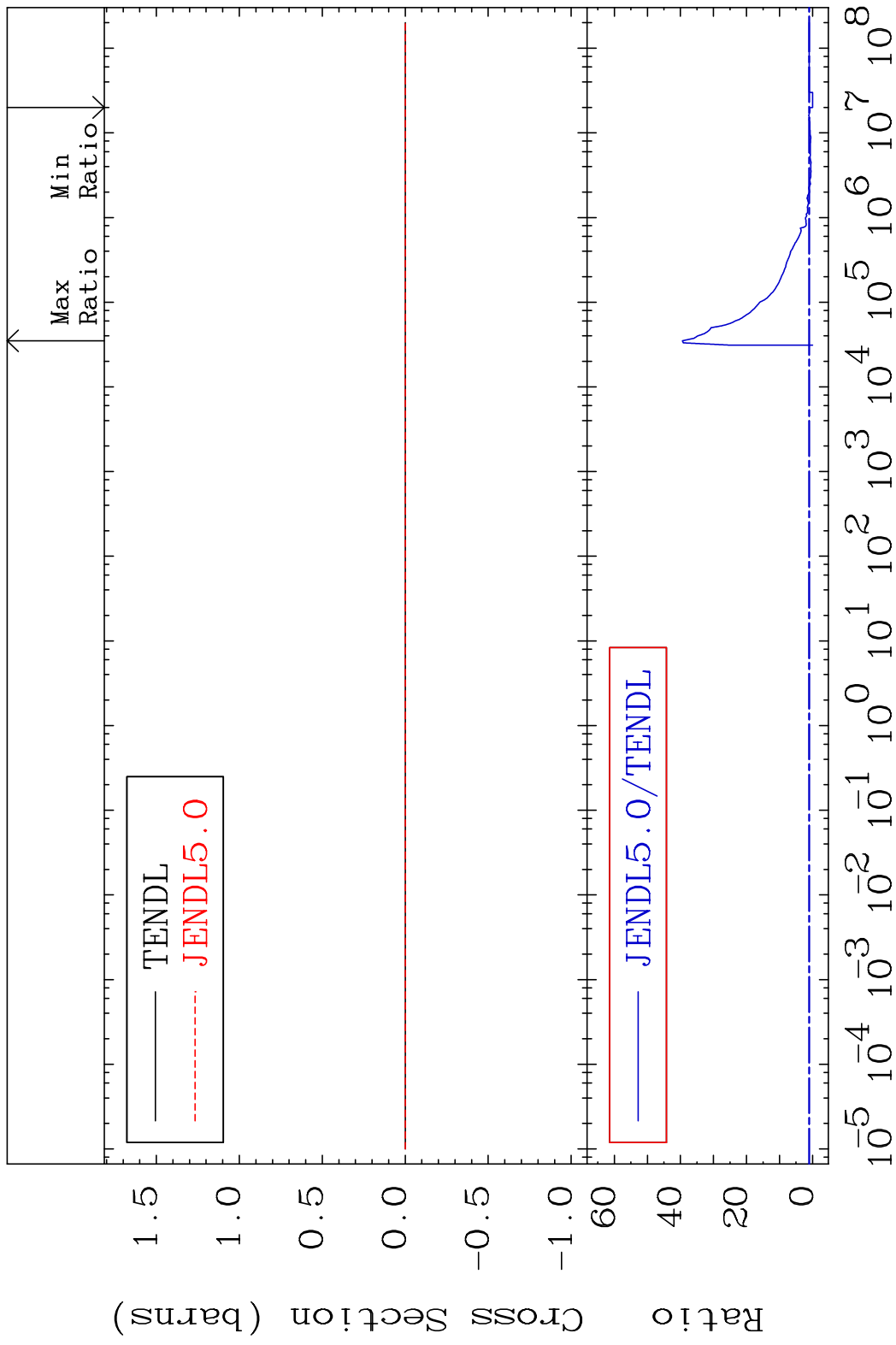


35 Incident Energy (eV) 41-Nb-93

MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 3842. %



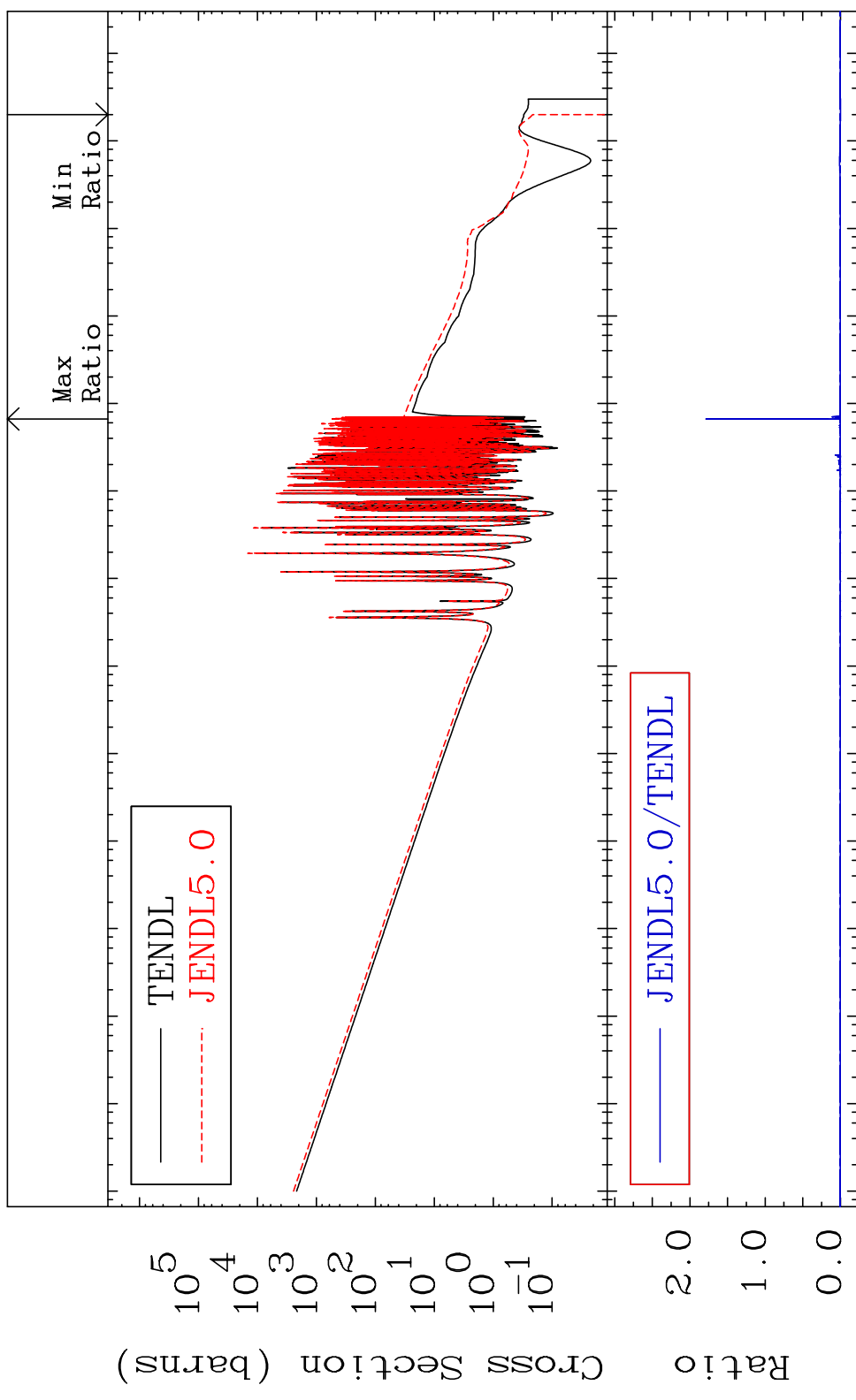
MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -100.0 To 3842. %



MAT 4125

Kerma capture (mt102) 41-Nb-93

Cross Section -100.0 To 9999. %

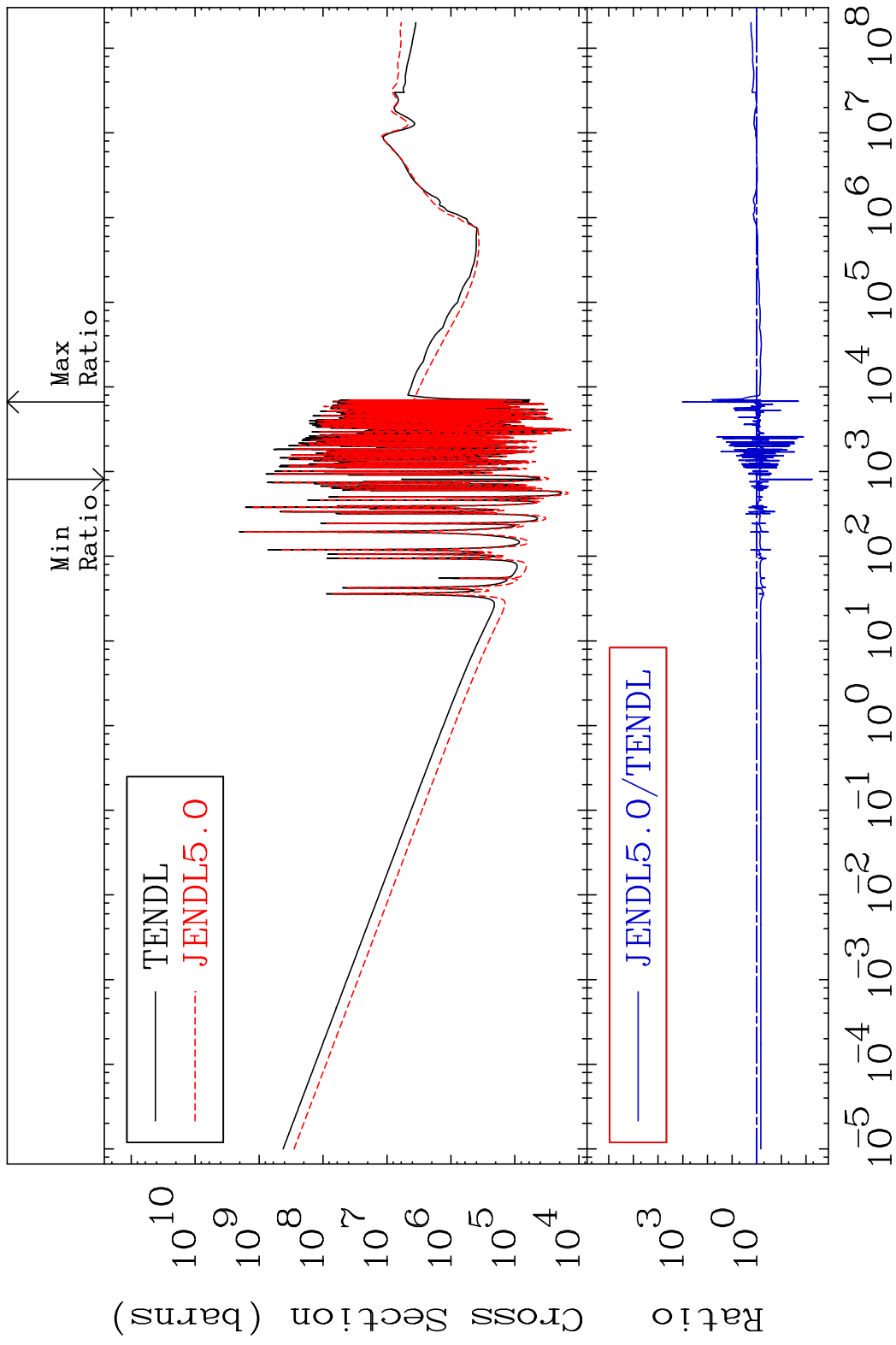


38

Incident Energy (eV)

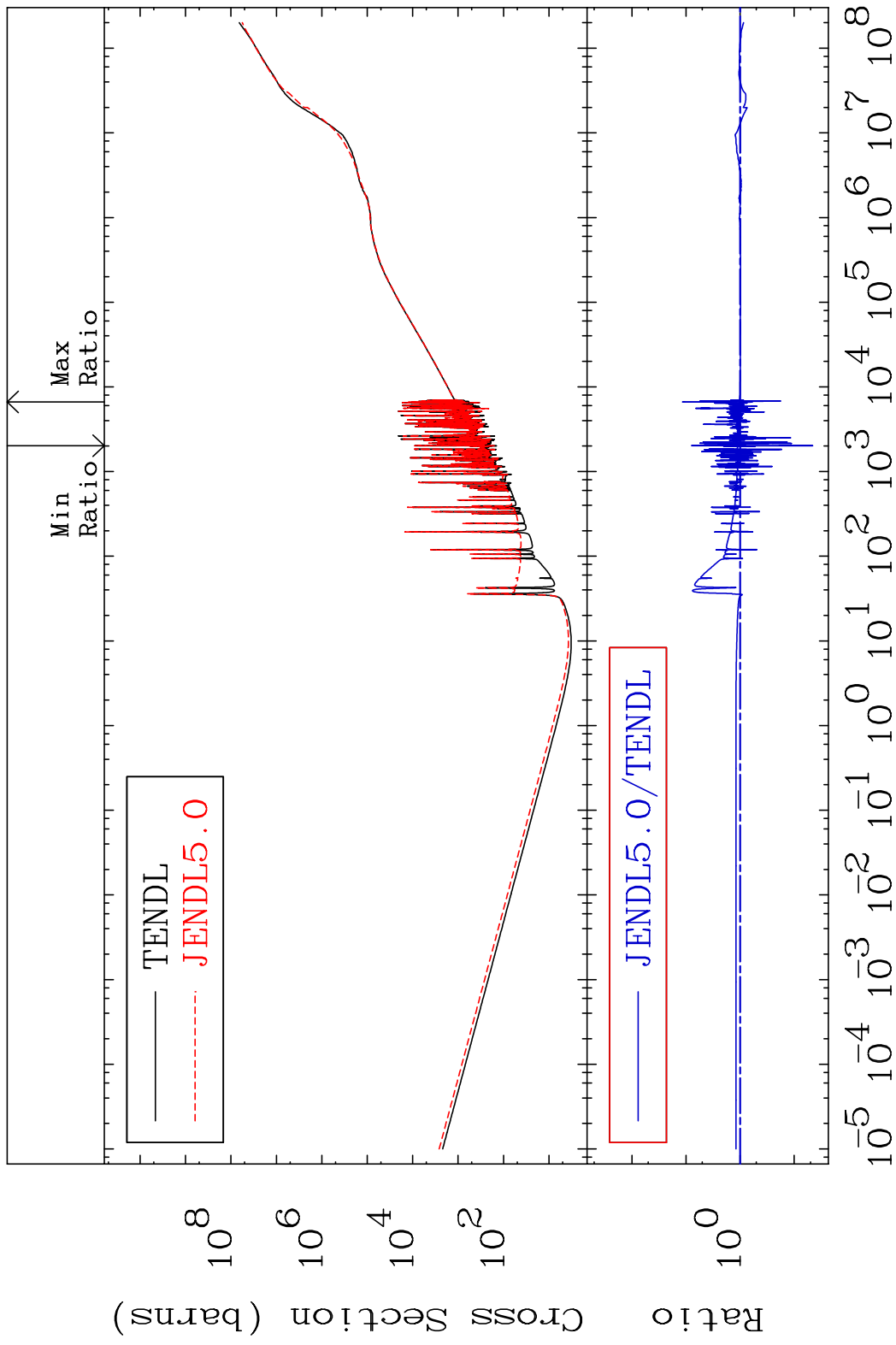
41-Nb-93

MAT 4125 Total photon (eV-barns) 41-Nb-93
 Cross Section -99.46 To 9999. %



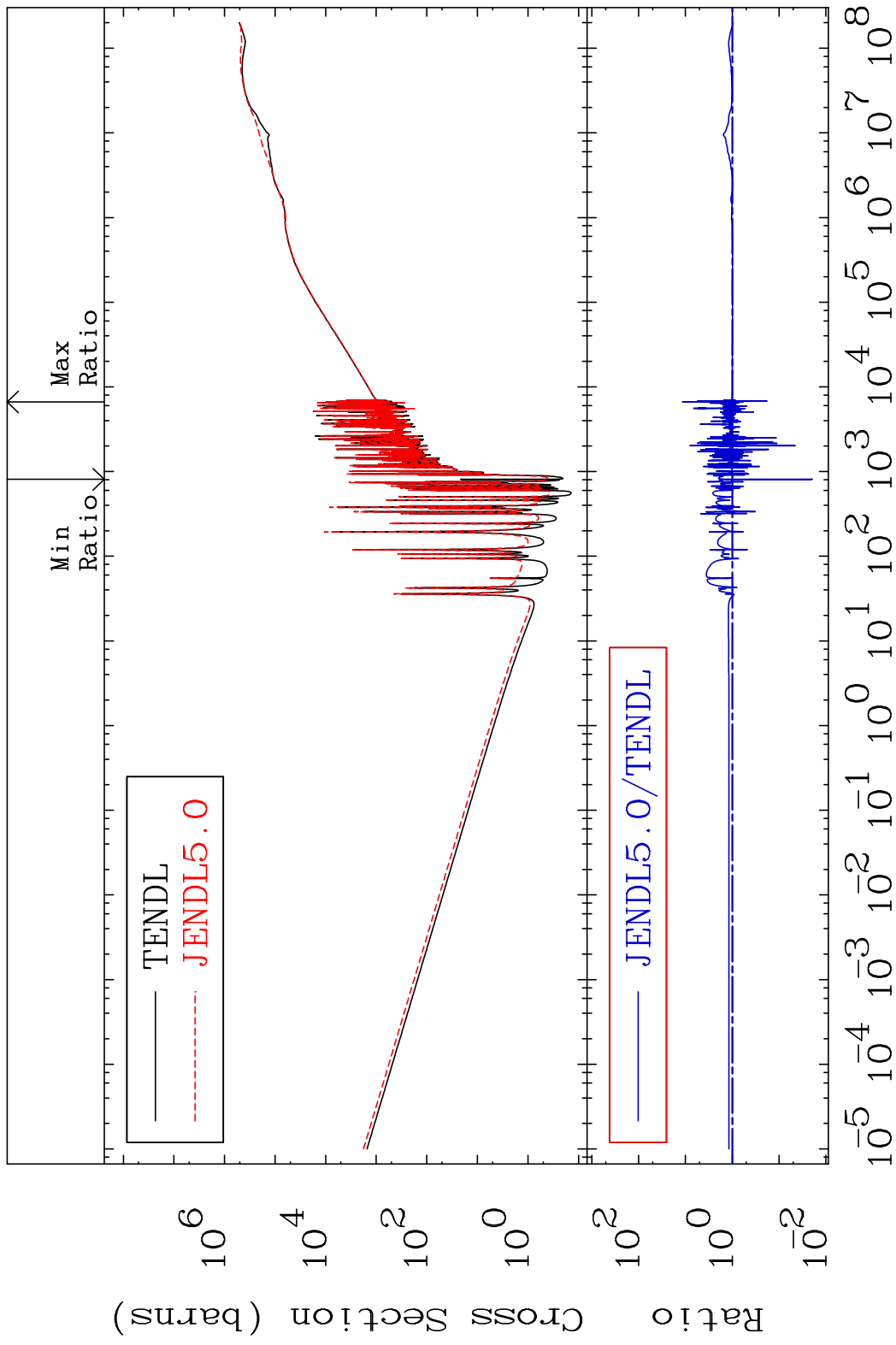
39 Incident Energy (eV) 41-Nb-93

MAT 4125 Total kinematic kerma (high limit) 41-Nb-93
Cross Section -95.43 To 1068. %



40 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa total (eV-barns) 41-Nb-93
 Cross Section -98.08 To 1062. %



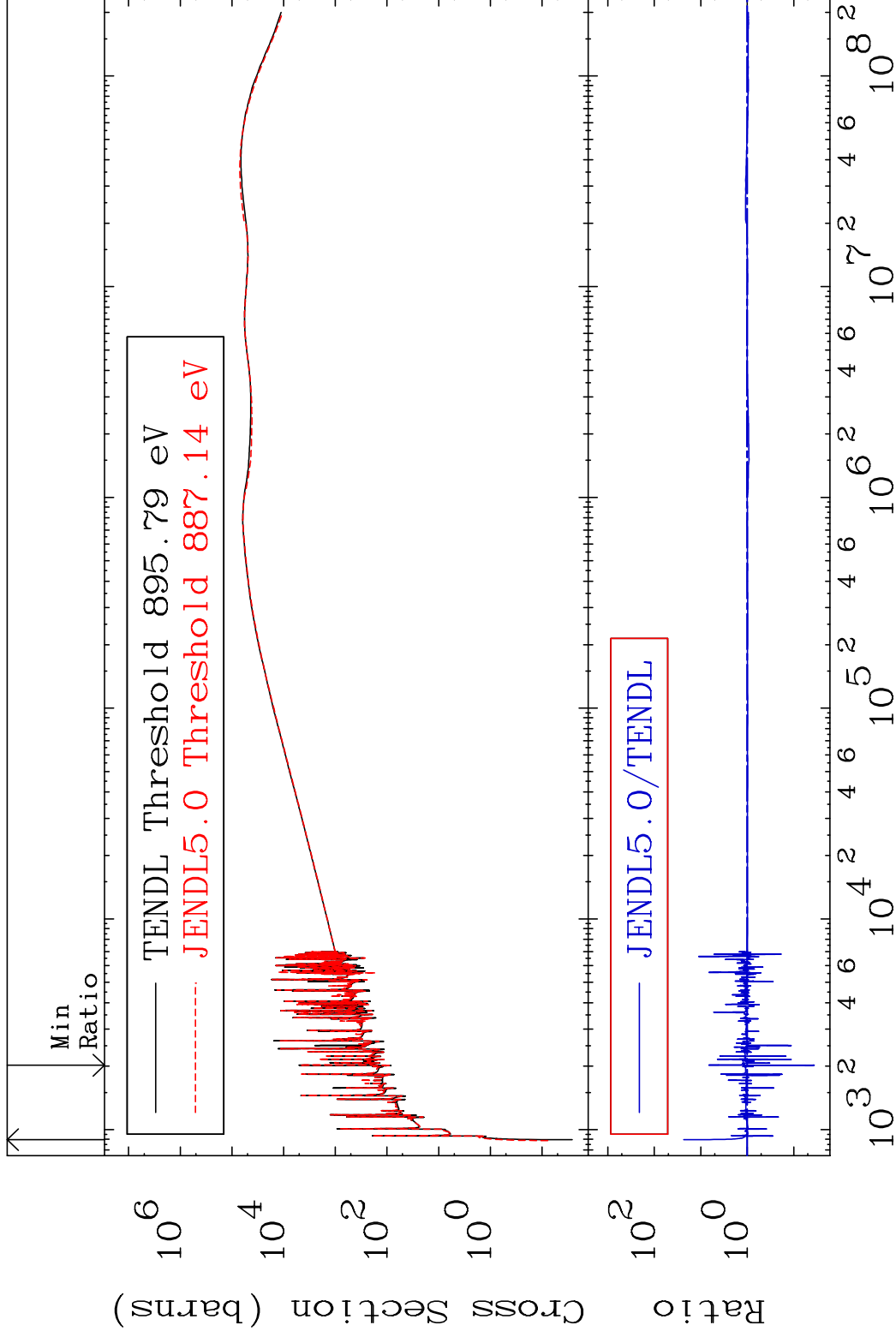
41 Incident Energy (eV) 41-Nb-93

MAT 4125

Dpa elastic (mt2)

41-Nb-93

Cross Section -96.36 To 2235. %

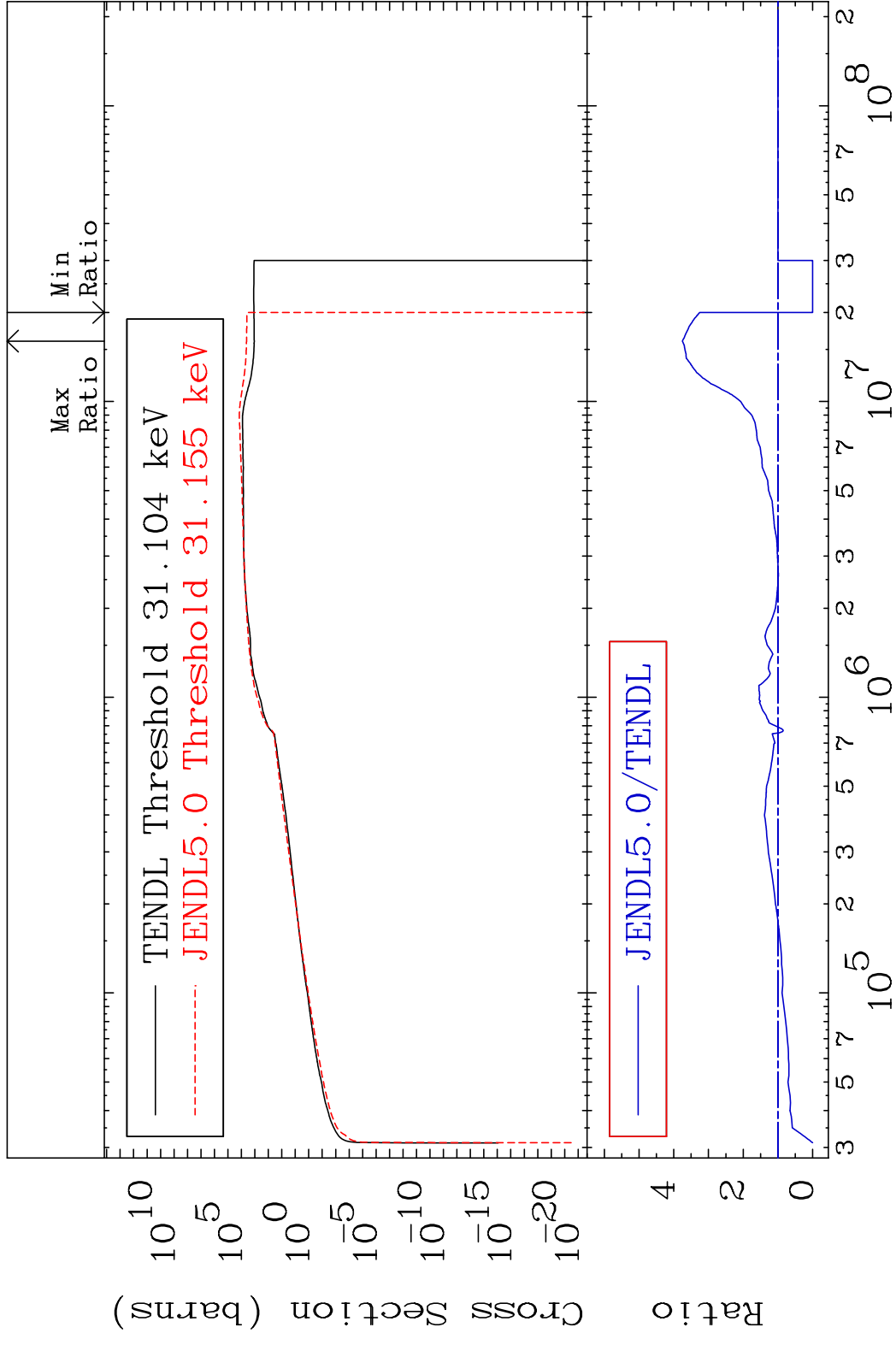


42

Incident Energy (eV)

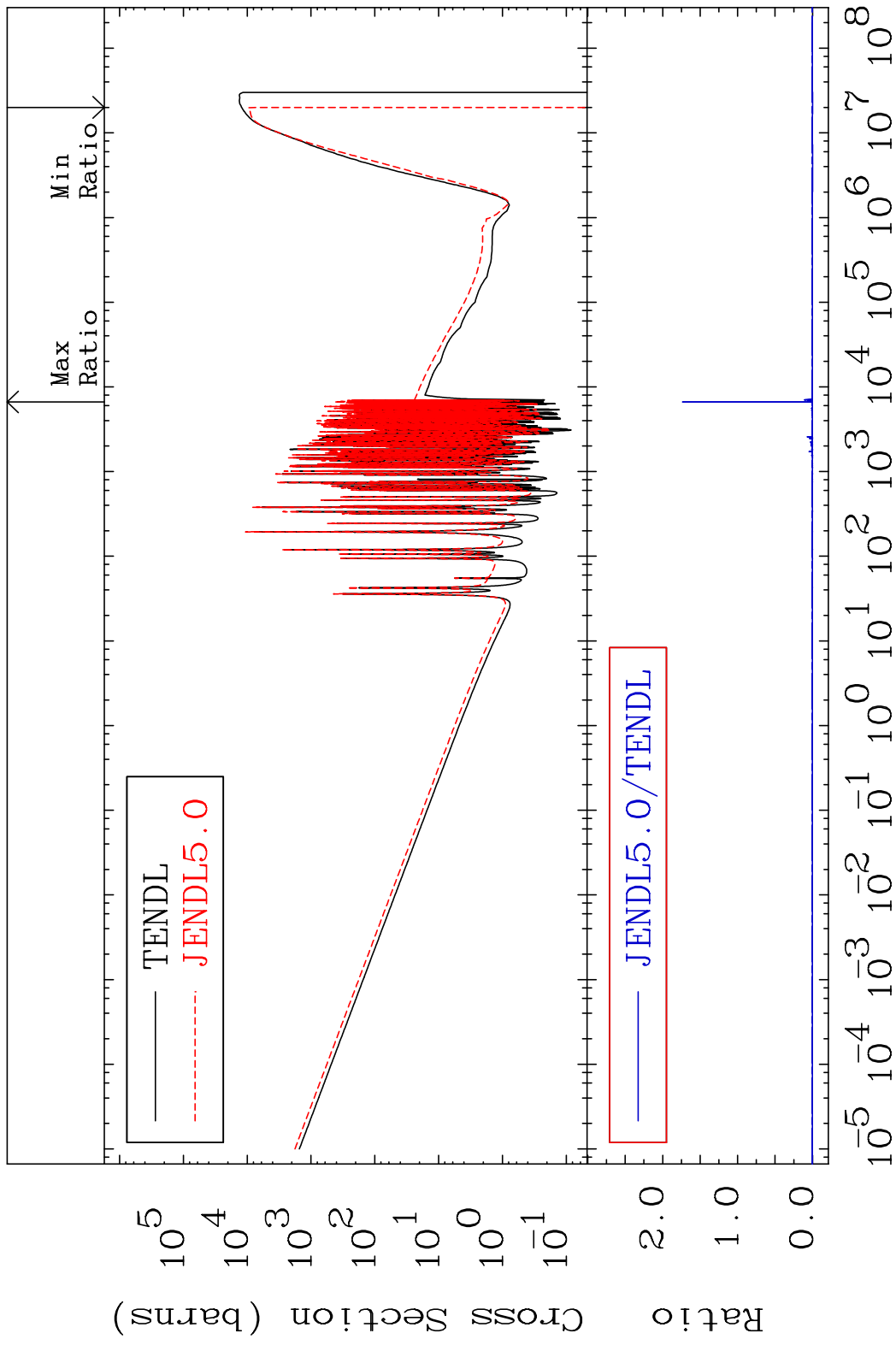
41-Nb-93

MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 275.3 %

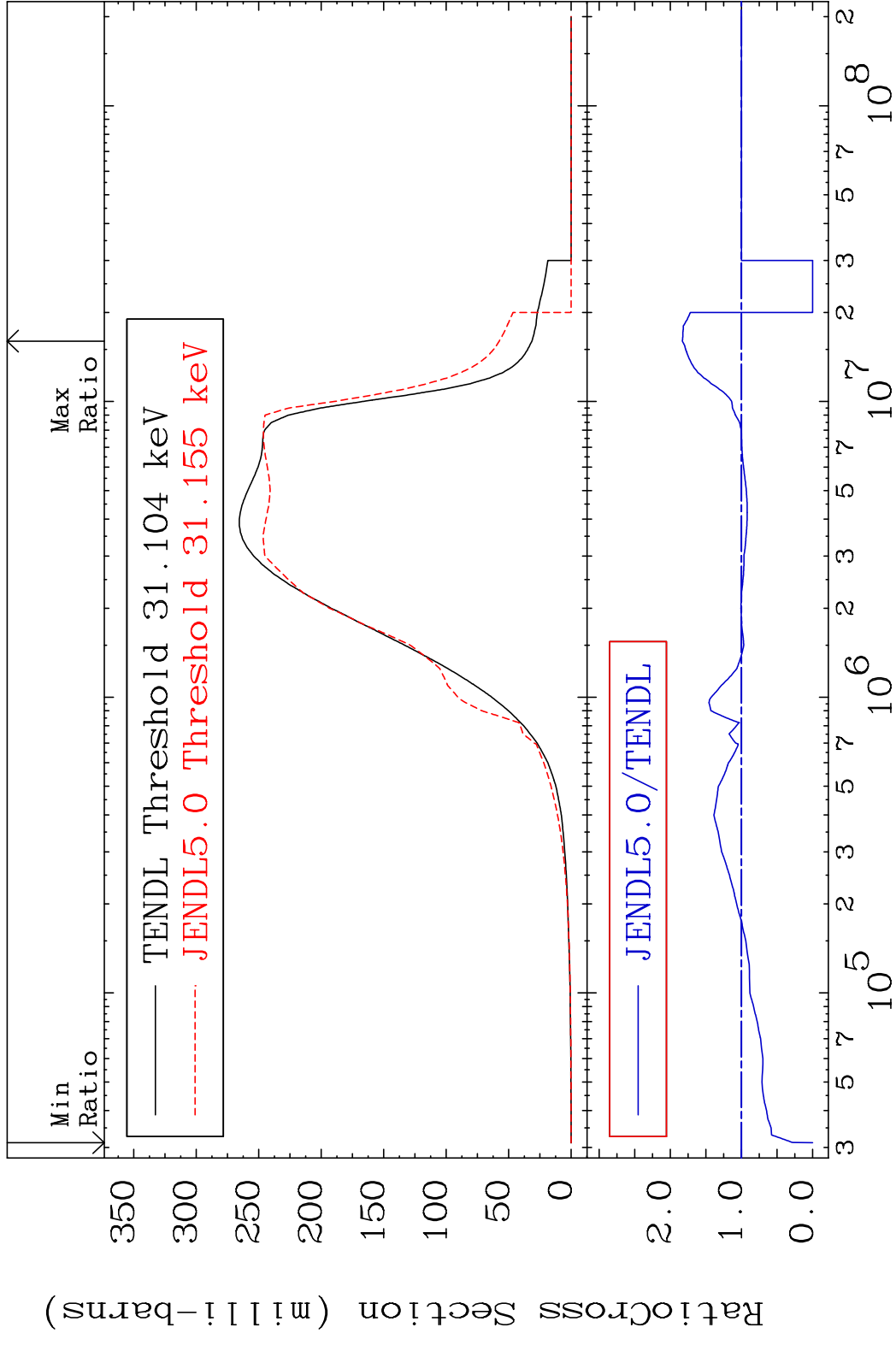


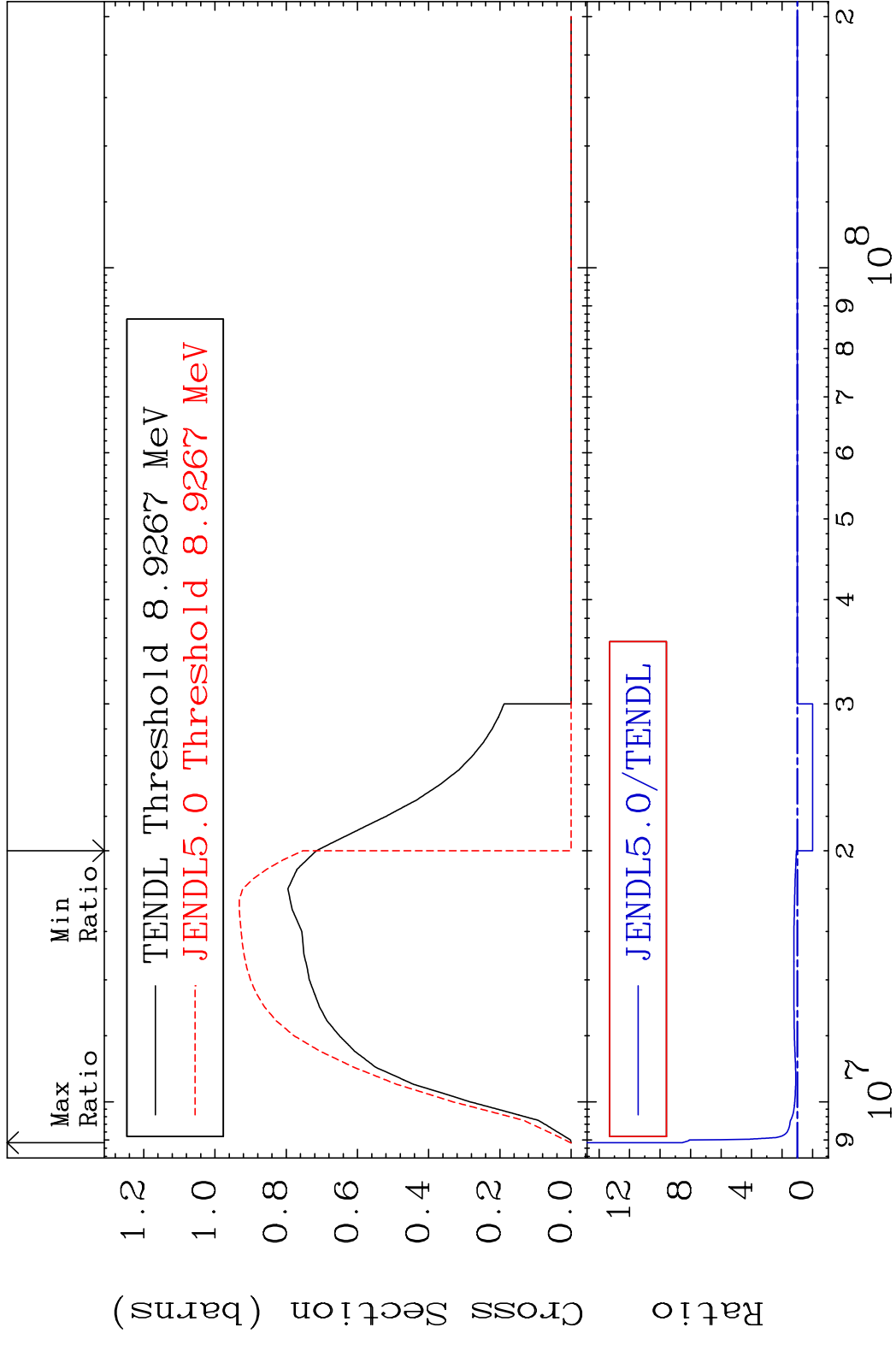
43 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa disappearance (mt102 -120) 41-Nb-93
 Cross Section -100.0 To 9999. %

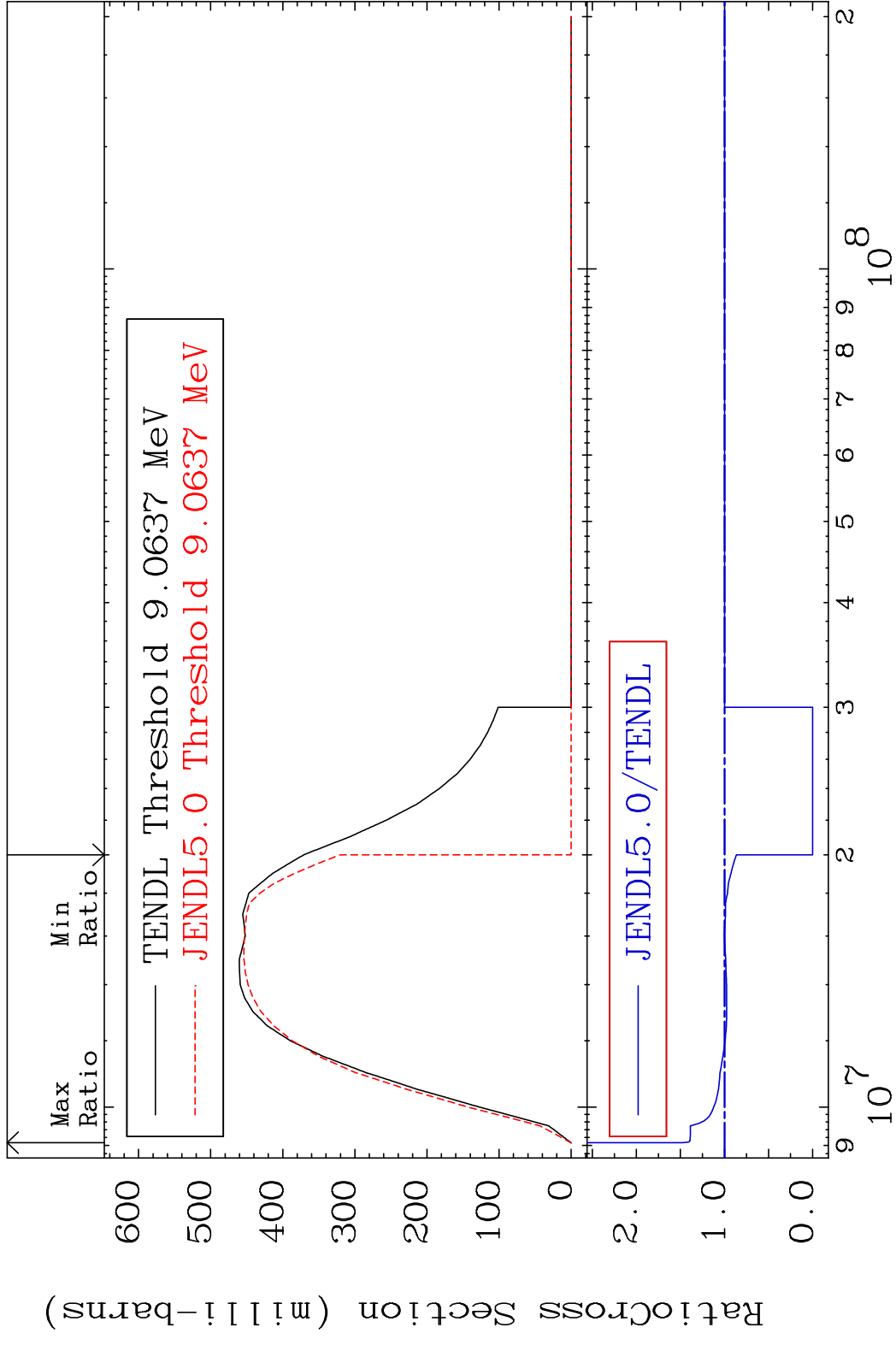


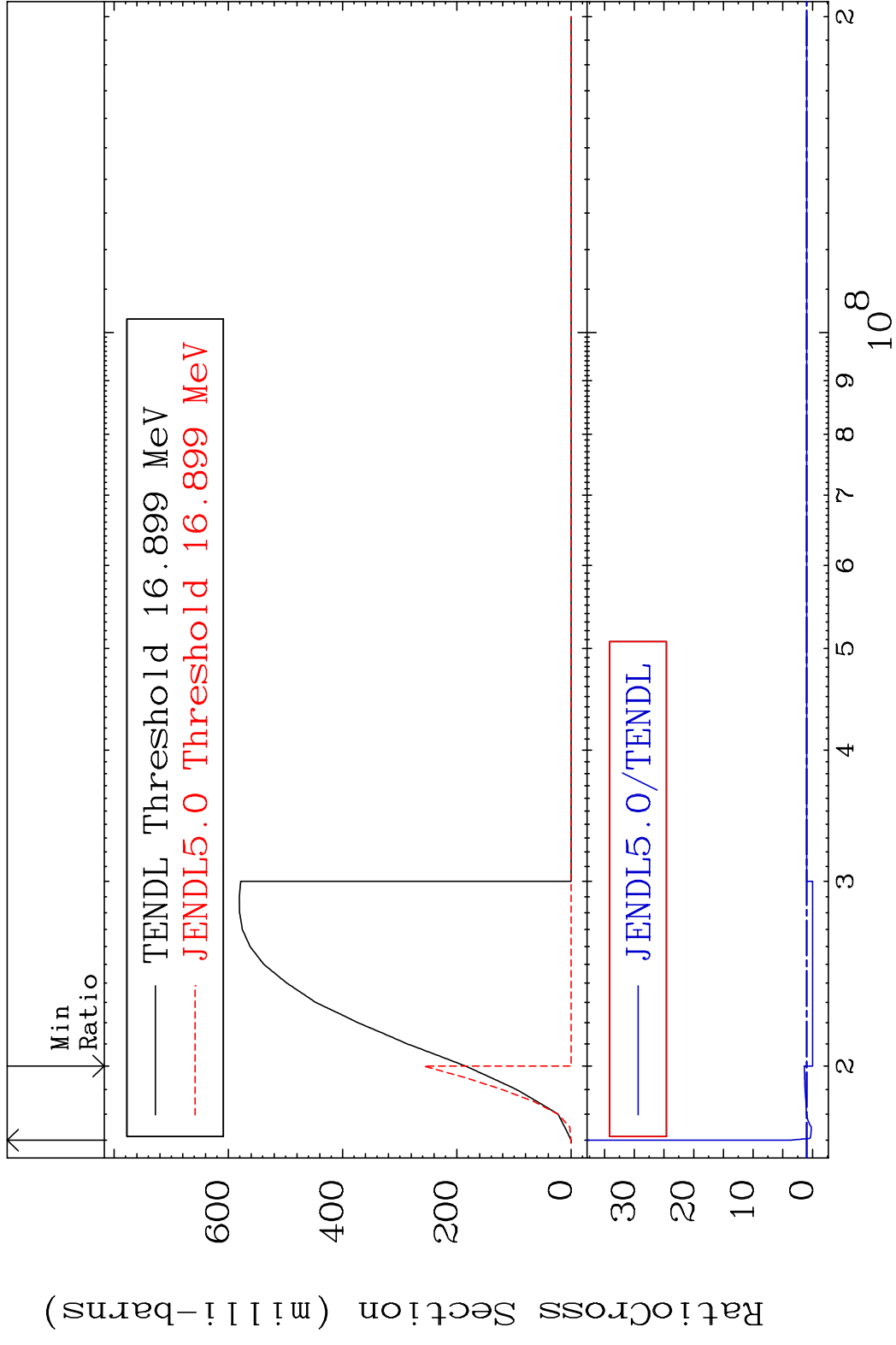
44 Incident Energy (eV) 41-Nb-93

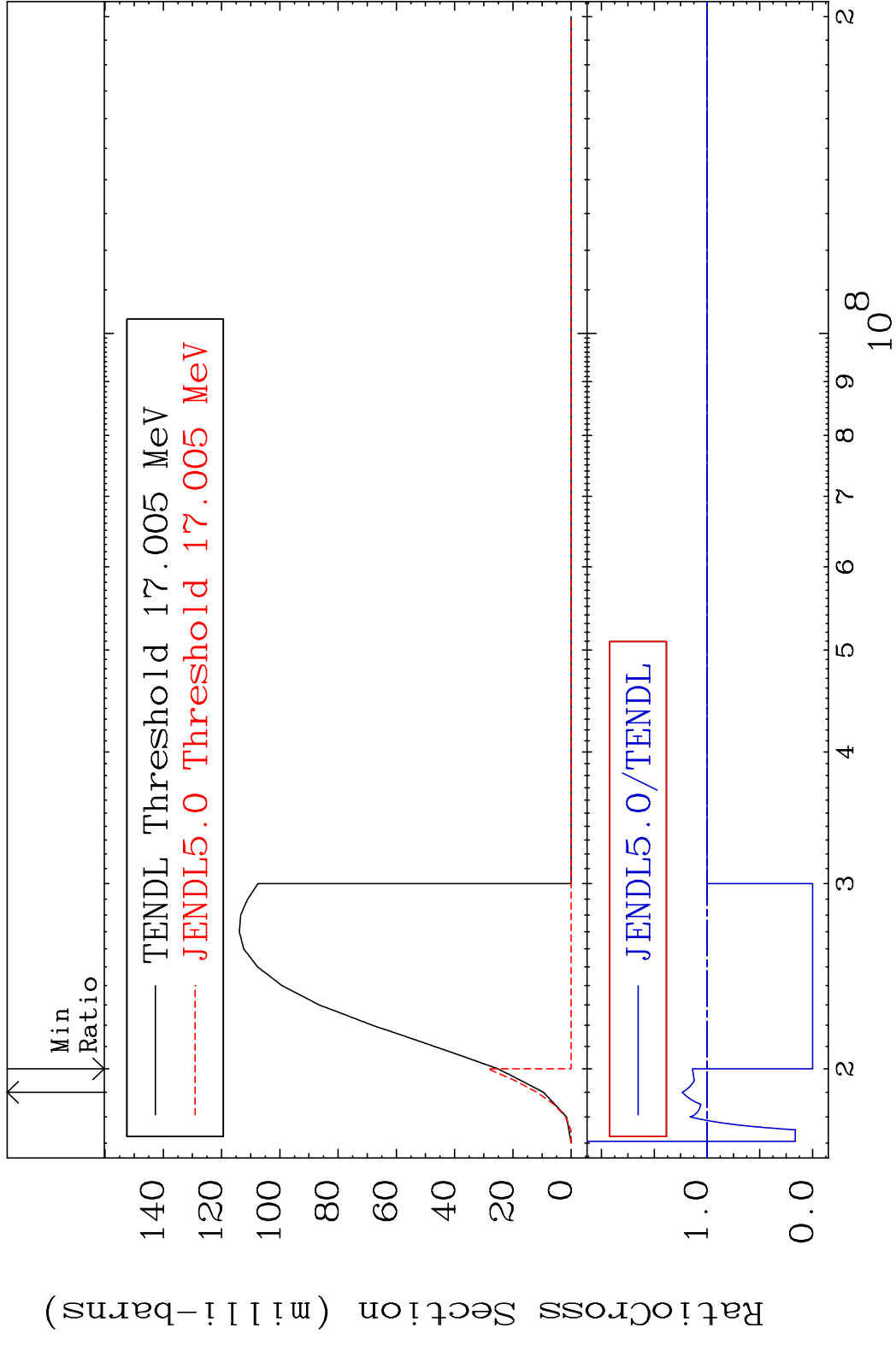




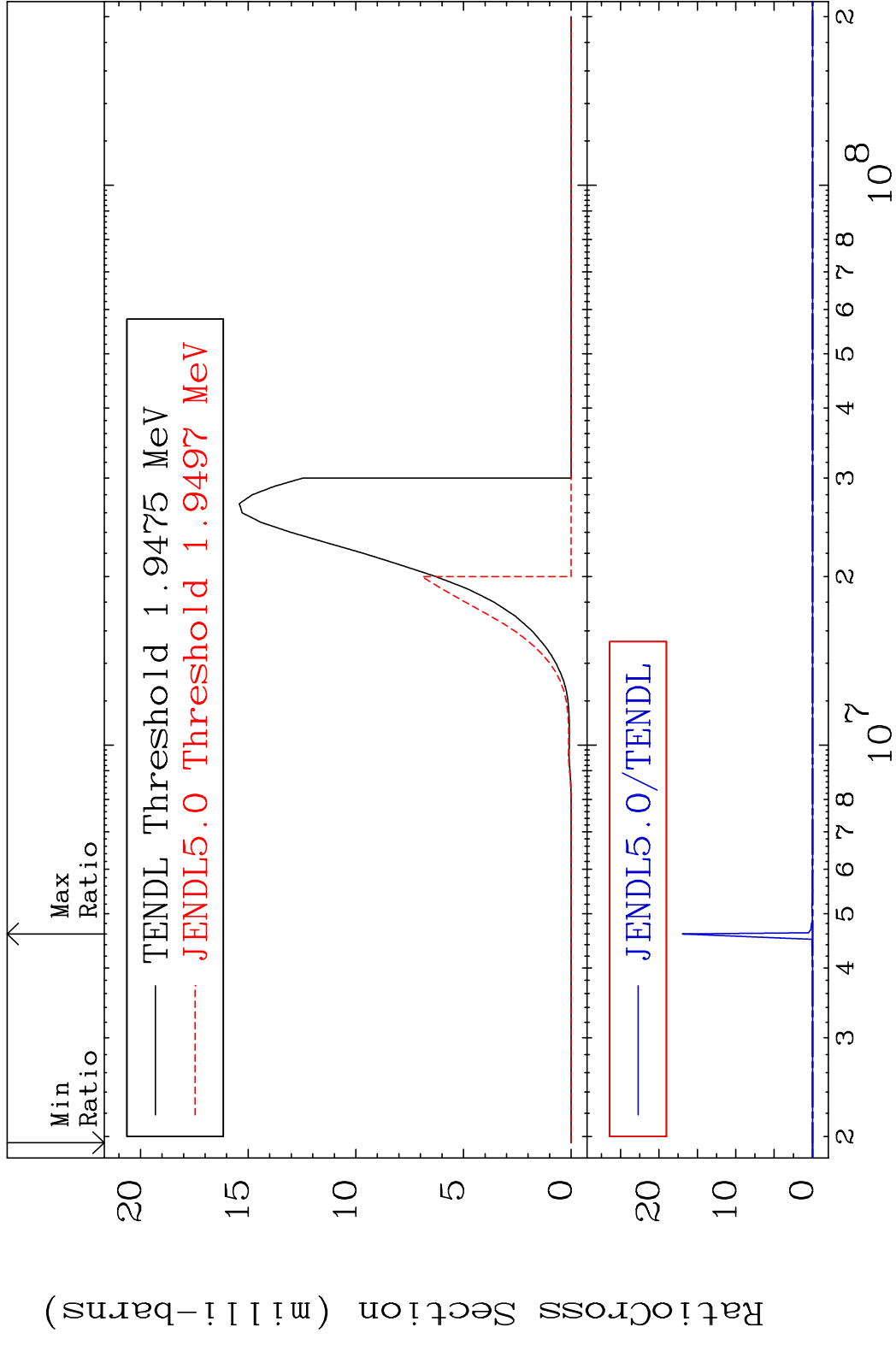
MAT 4125 (n,2n):41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section Ratio 47.83 %

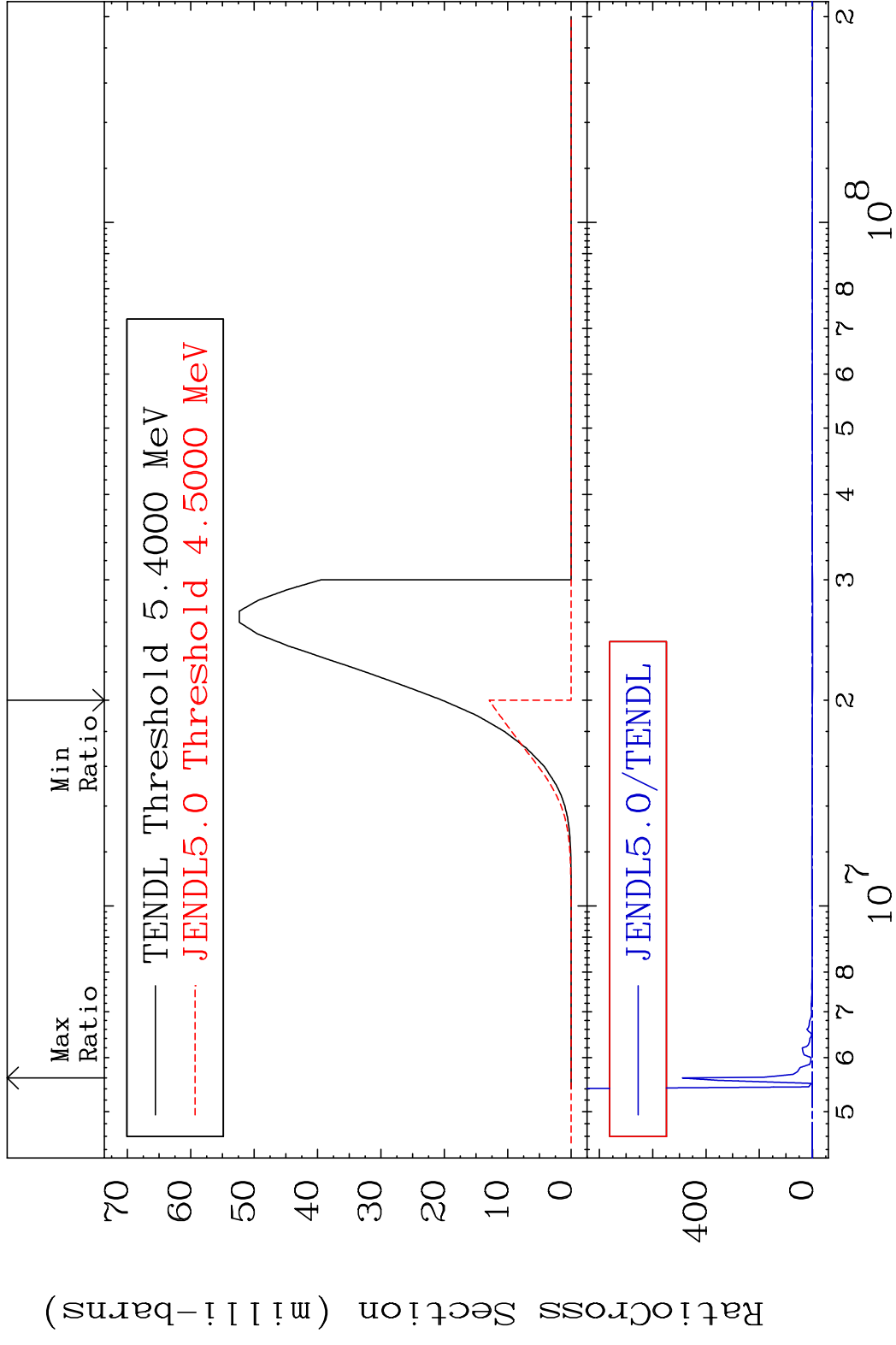


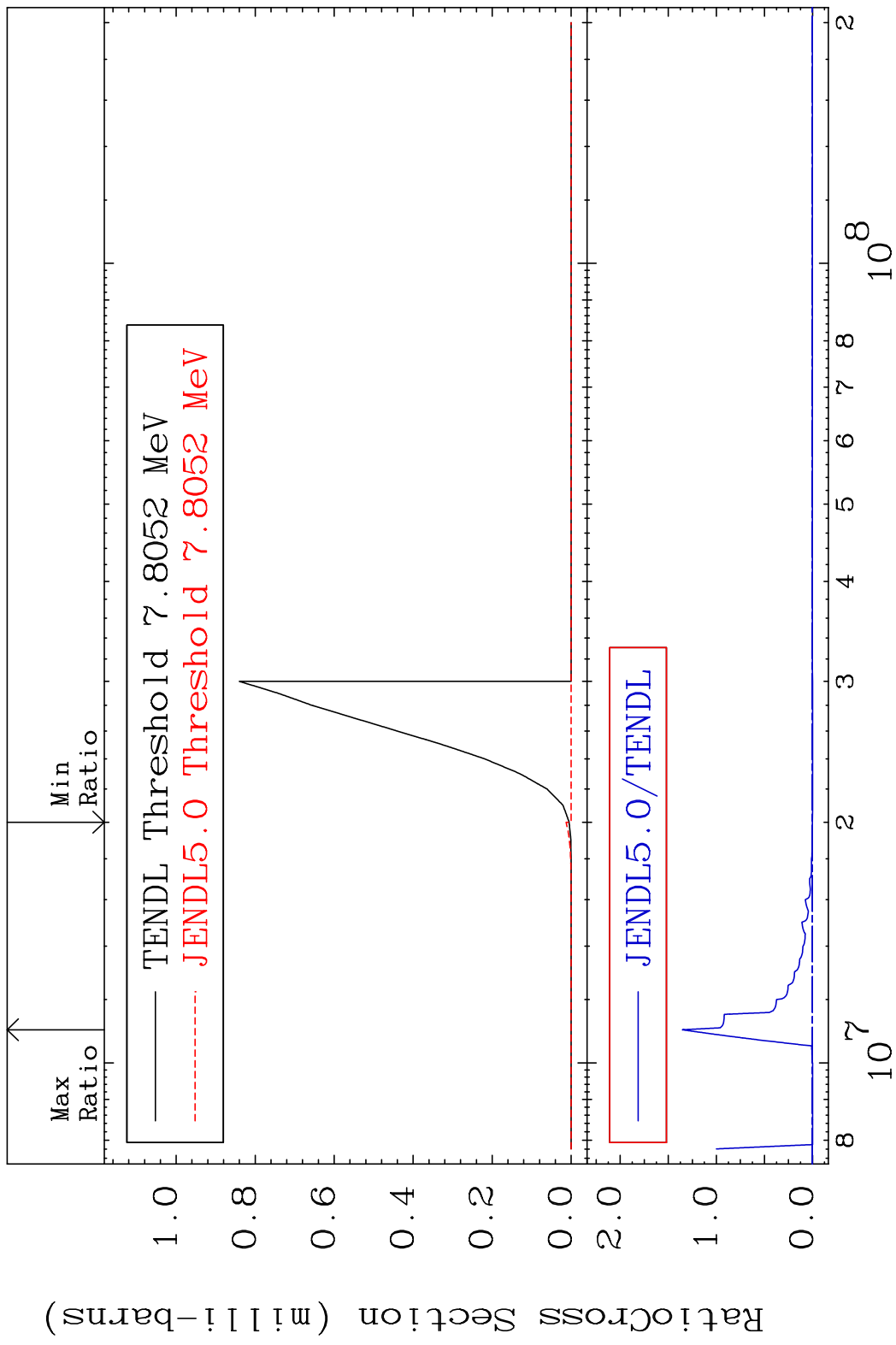


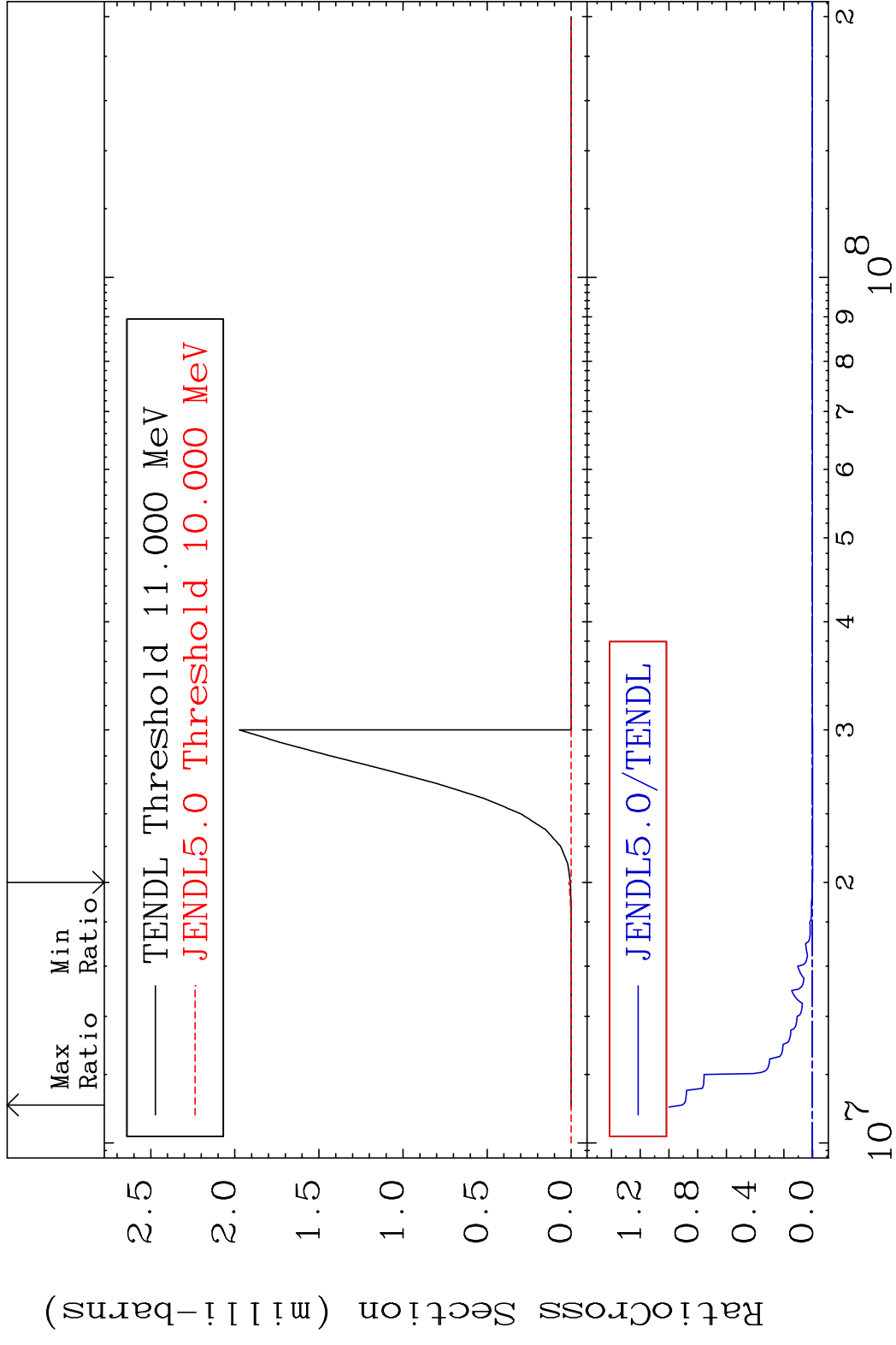


MAT 4125 (n, n') α :39-Y -89g 41-Nb-93
 Radionuclide Production Cross Section Ratio 9999. %







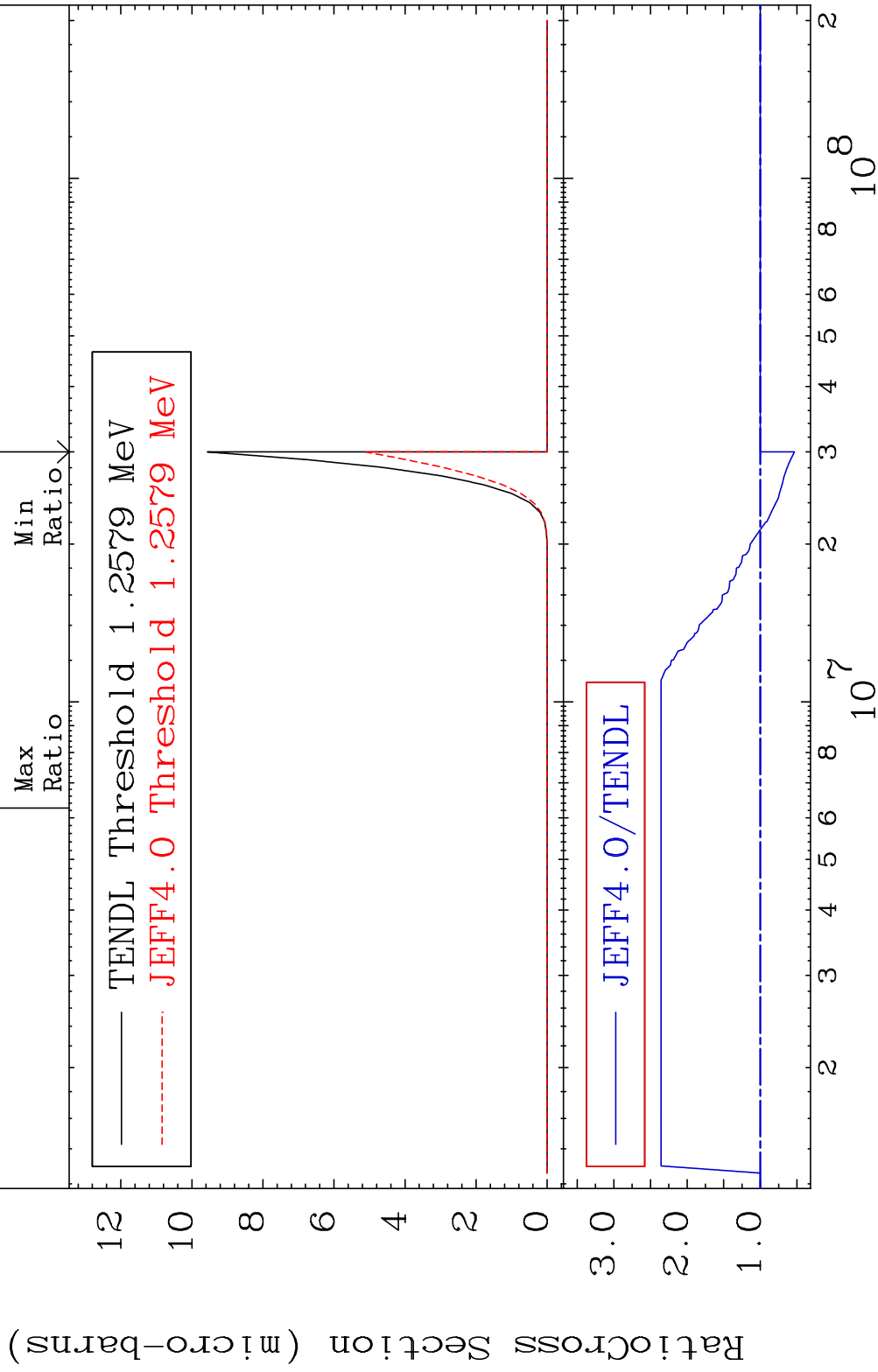


MAT 4125

(n, 2α)

41-Nb-93

Cross Section -46.43 To 135.6 %



54

Incident Energy (eV)

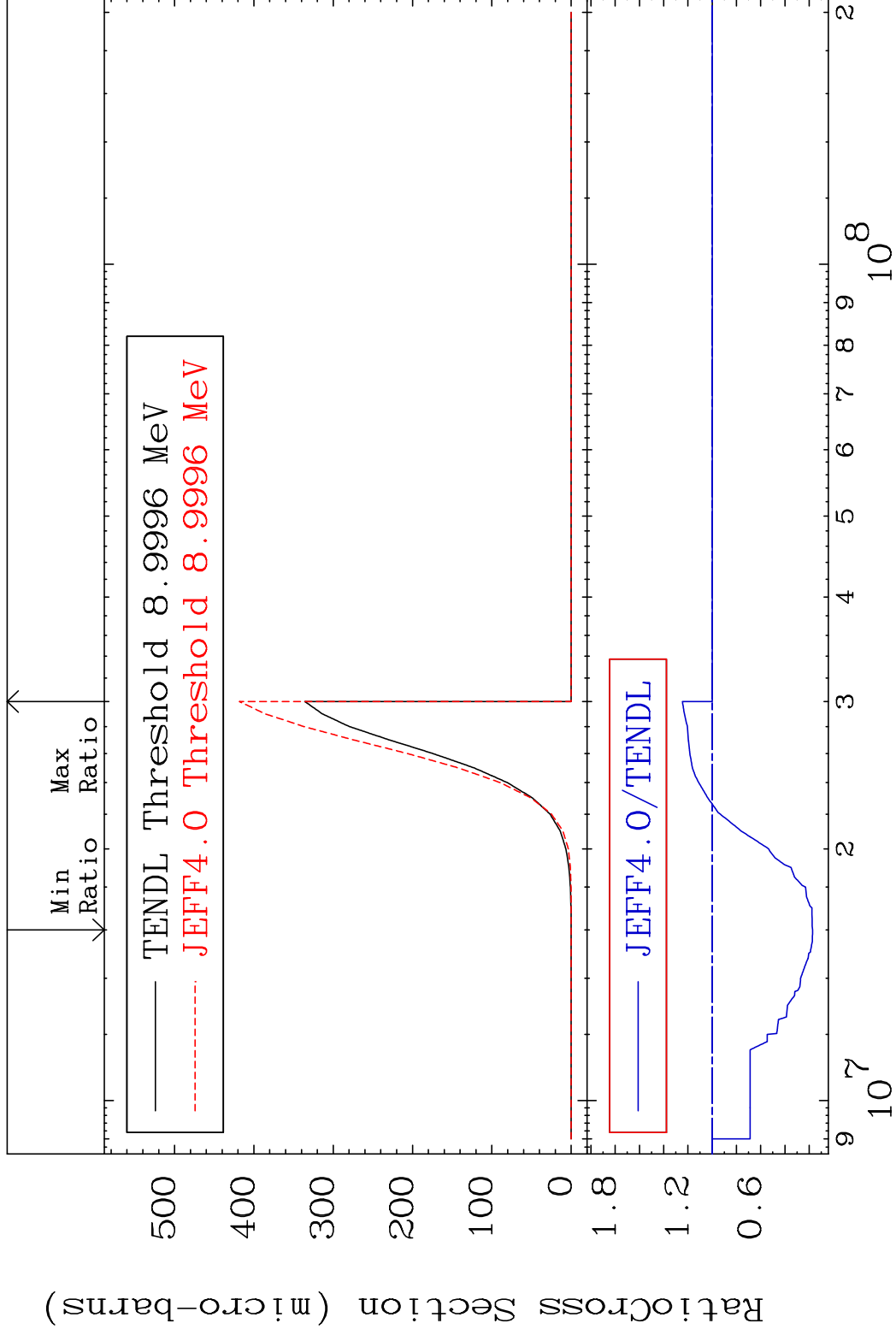
41-Nb-93

MAT 4125

(n,2p)

41-Nb-93

Cross Section -82.79 To 24.59 %



55

Incident Energy (eV)

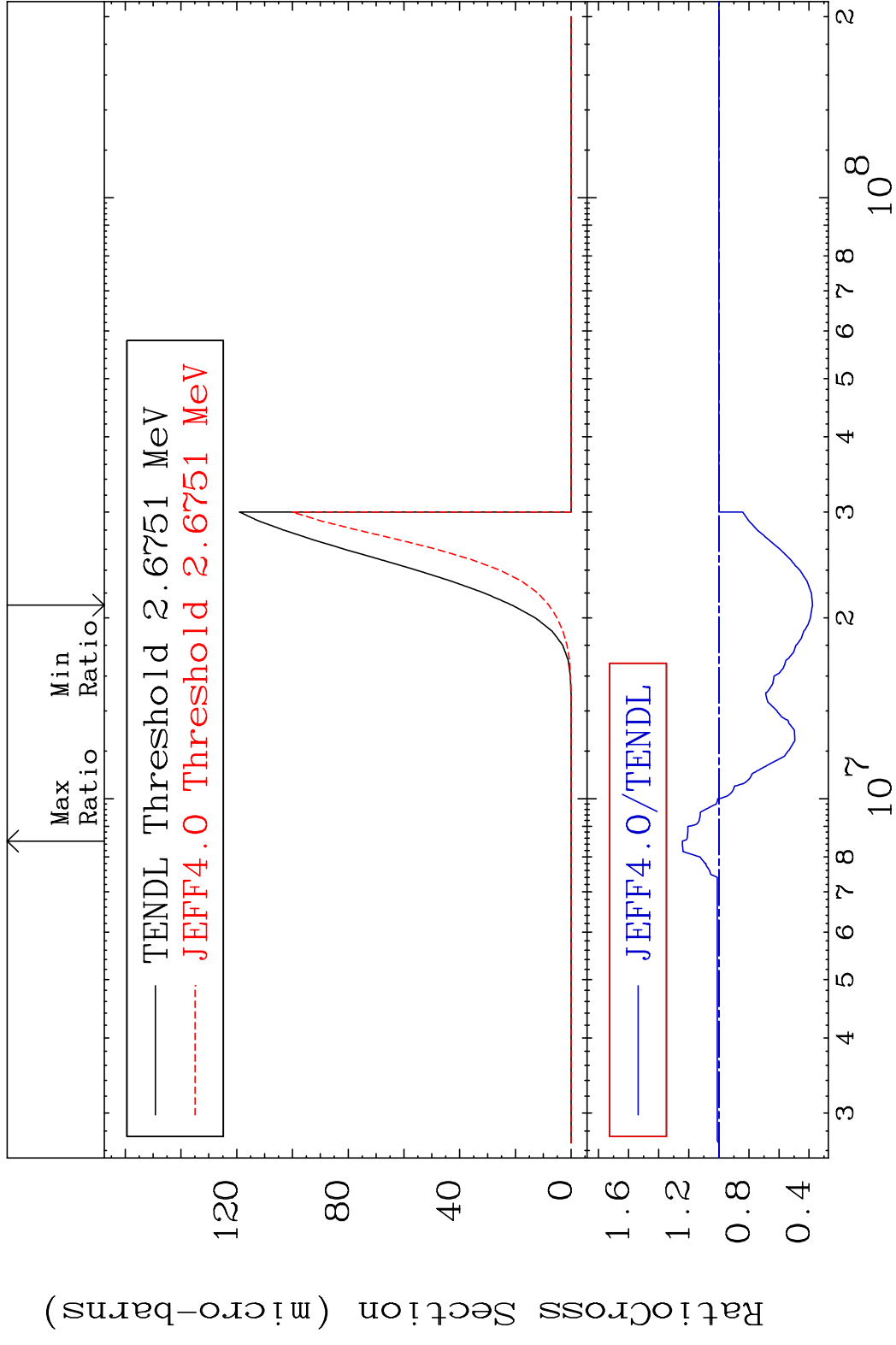
41-Nb-93

MAT 4125

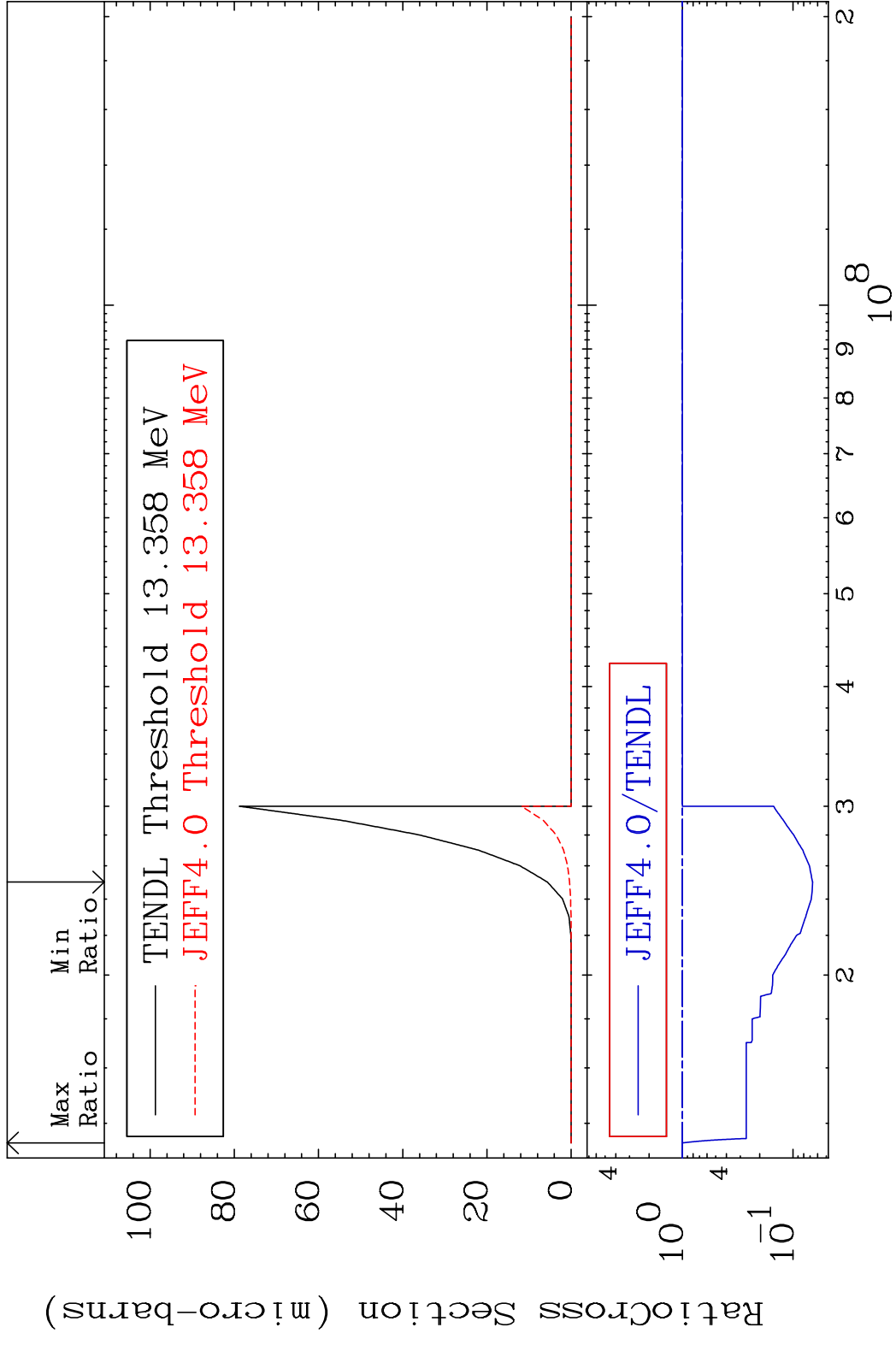
(n,p) α

41-Nb-93

Cross Section -62.32 To 24.26 %



MAT 4125 (n,p) d 41-Nb-93
 Cross Section -93.34 To 0.000 %

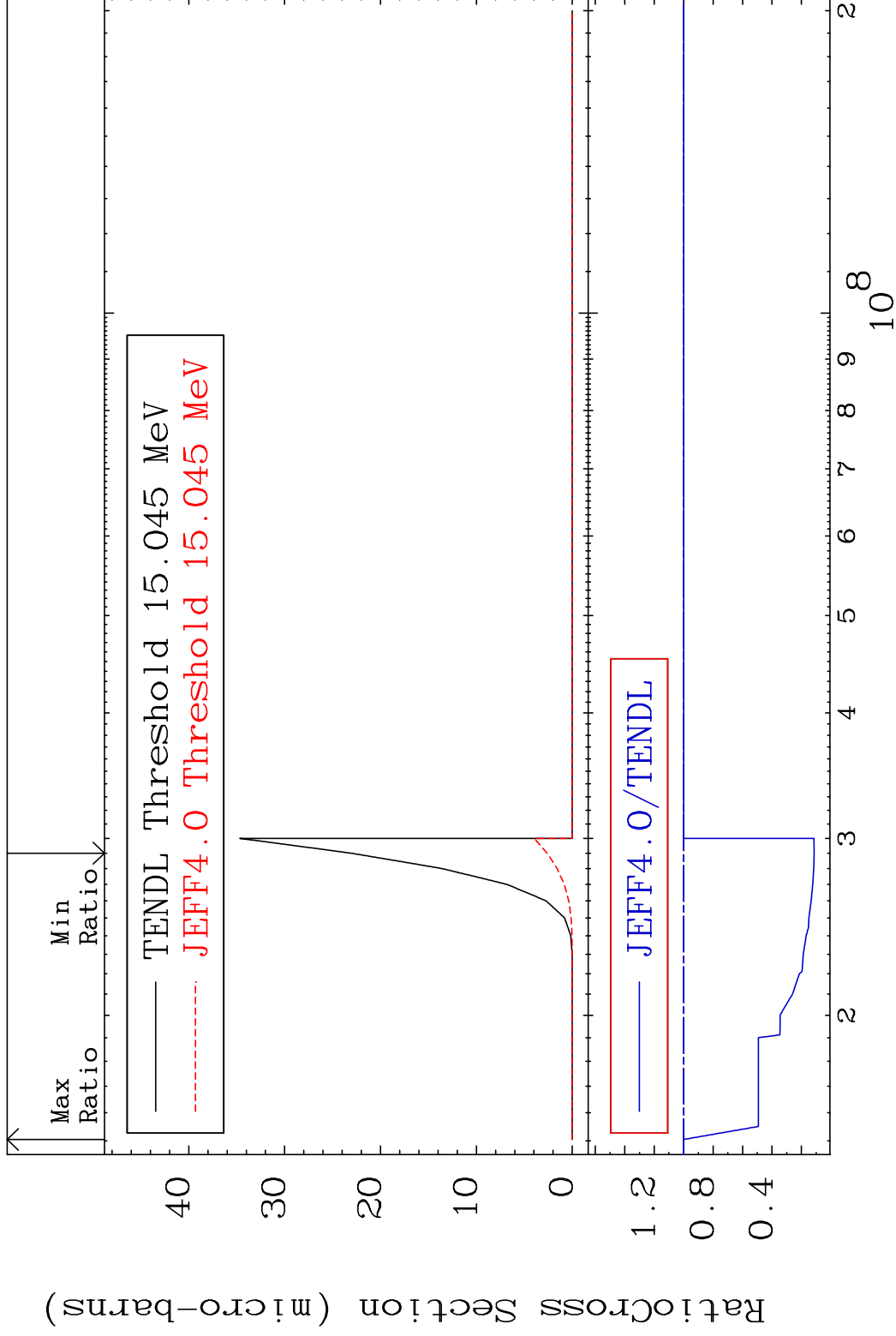


MAT 4125

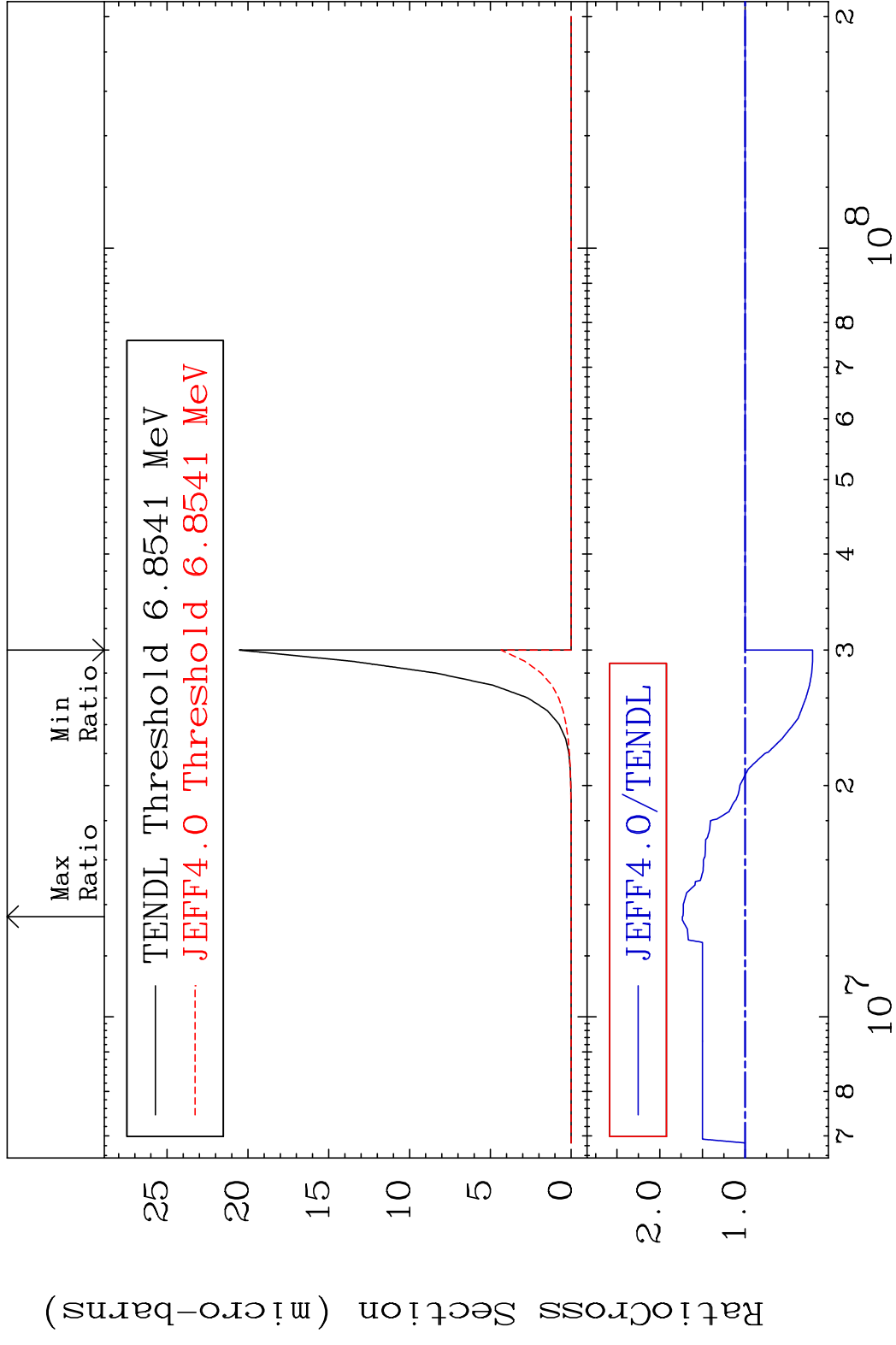
(n,p) t

41-Nb-93

Cross Section -88.63 To 0.000 %



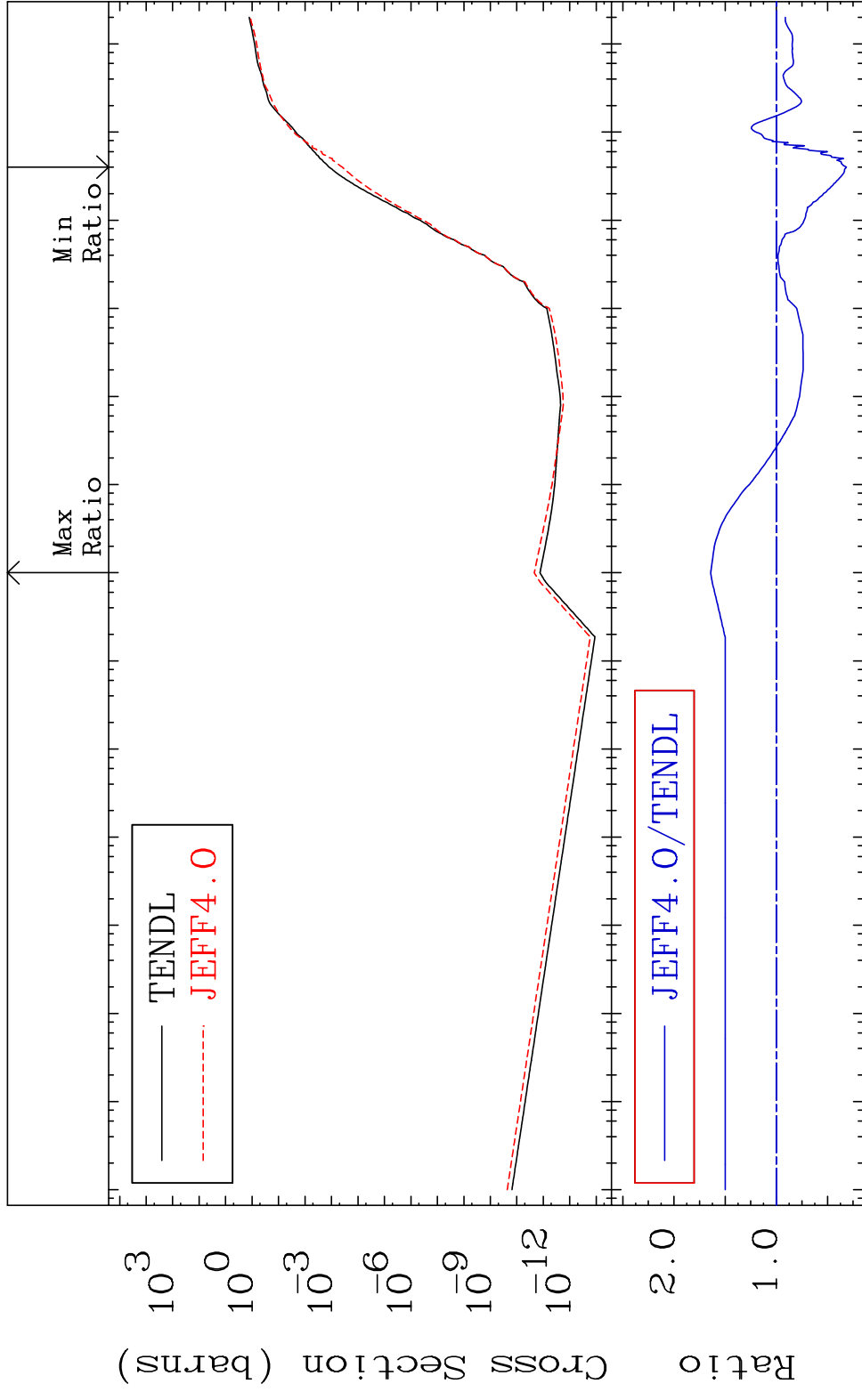
MAT 4125 (n,d) α 41-Nb-93
 Cross Section -78.87 To 73.55 %



MAT 4125

Hydrogen Production
Cross Section -68.36 To 64.12 %

41-Nb-93



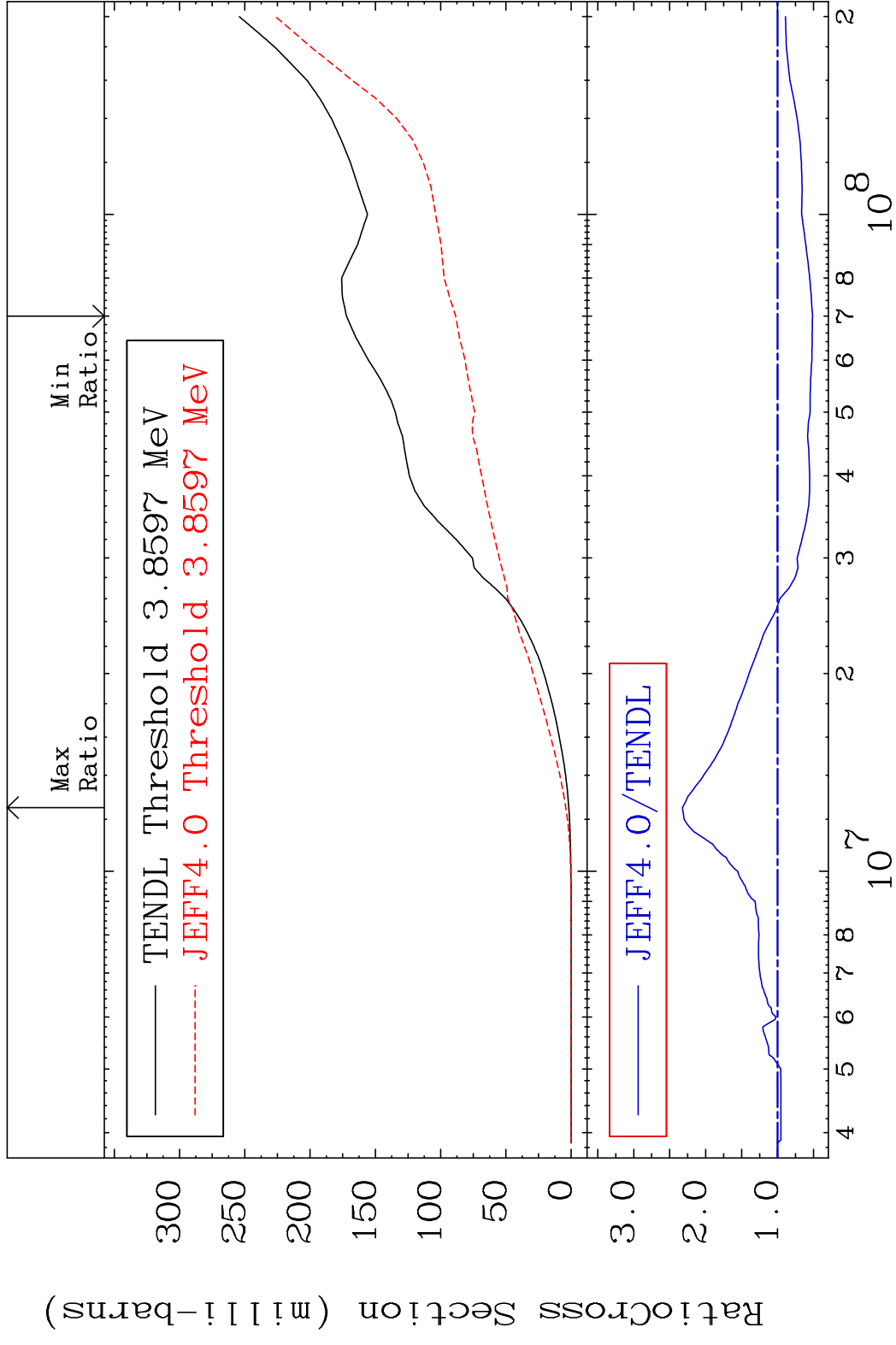
60

Incident Energy (eV)

41-Nb-93

MAT 4125

Deuterium Production 41-Nb-93
Cross Section -48.59 To 132.4 %

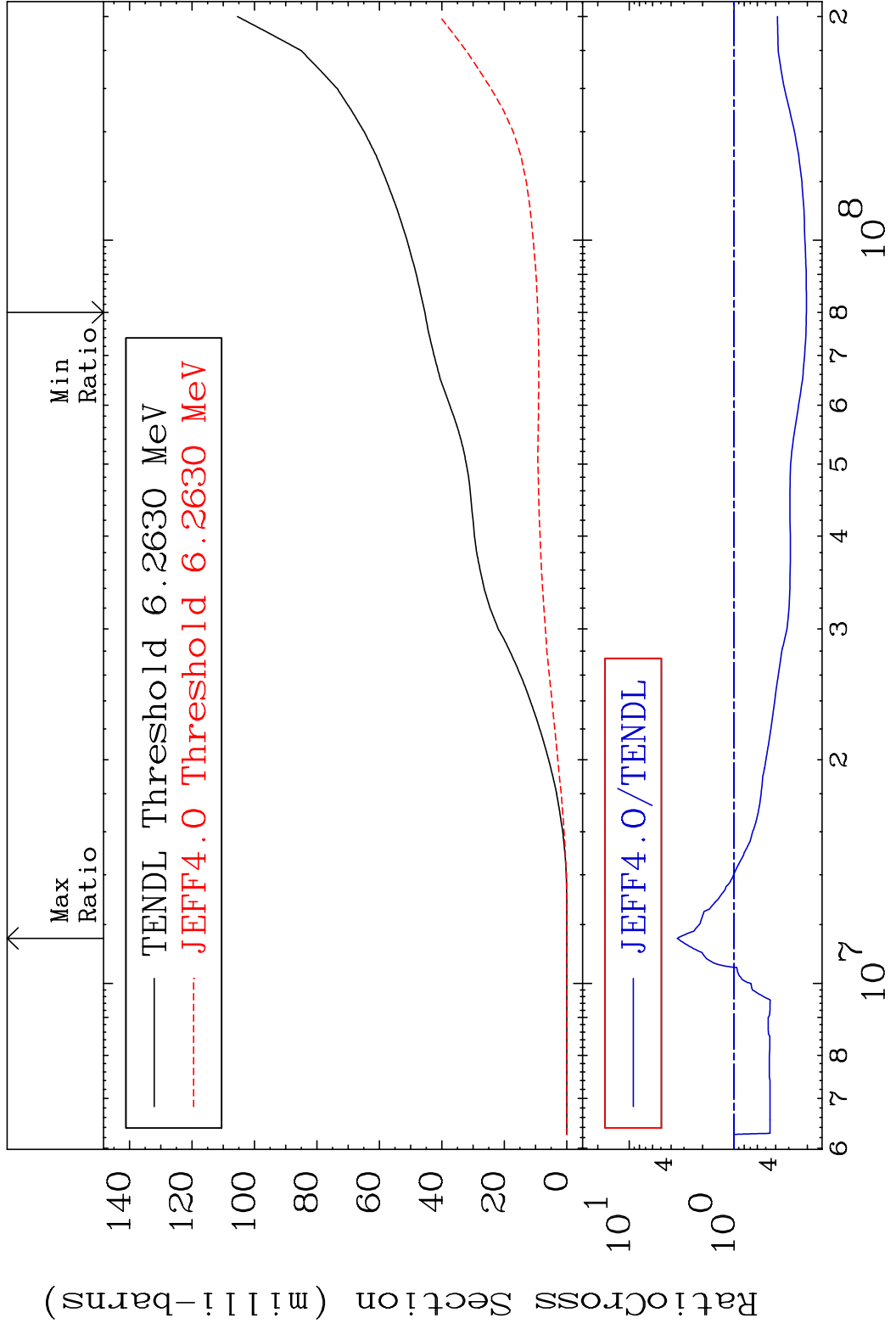


61

Incident Energy (eV) 41-Nb-93

MAT 4125

Tritium Production 41-Nb-93
Cross Section -79.60 To 249.3 %



62

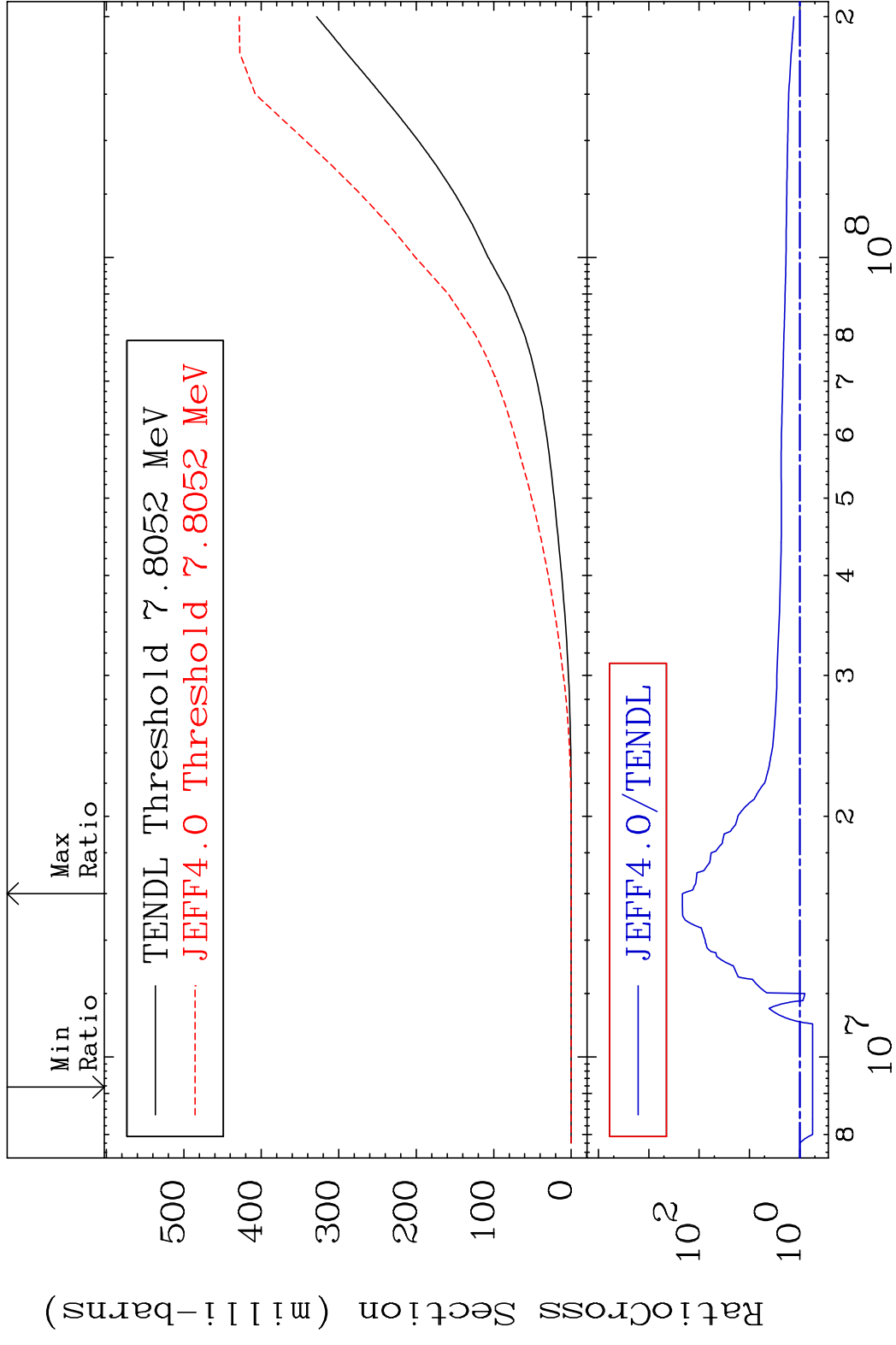
Incident Energy (eV) 41-Nb-93

MAT 4125

He-3 Production

41-Nb-93

Cross Section -44.39 To 9999. %



63

Incident Energy (eV)

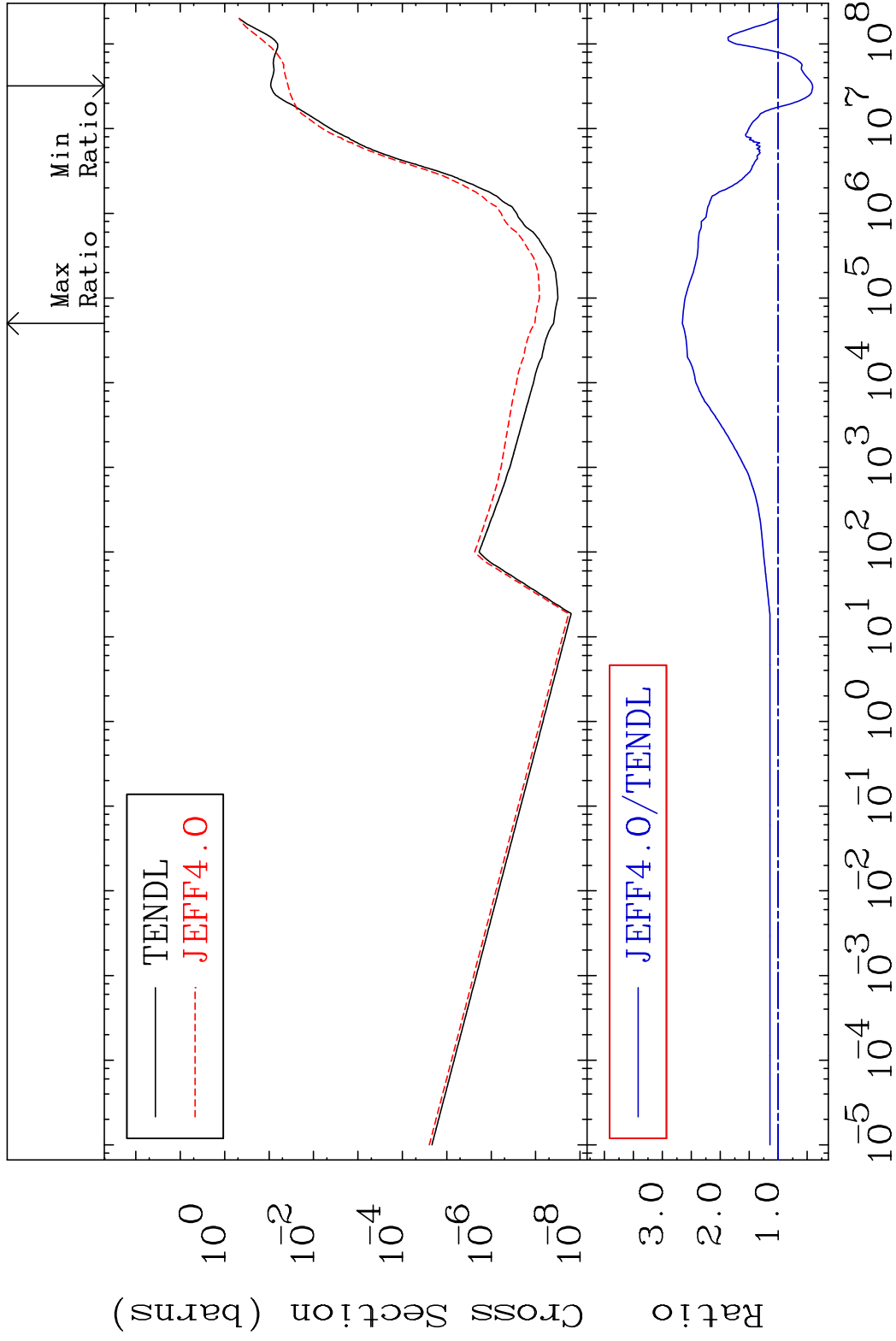
41-Nb-93

MAT 4125

He-4 Production

41-Nb-93

Cross Section -59.31 To 165.5 %



64

Incident Energy (eV)

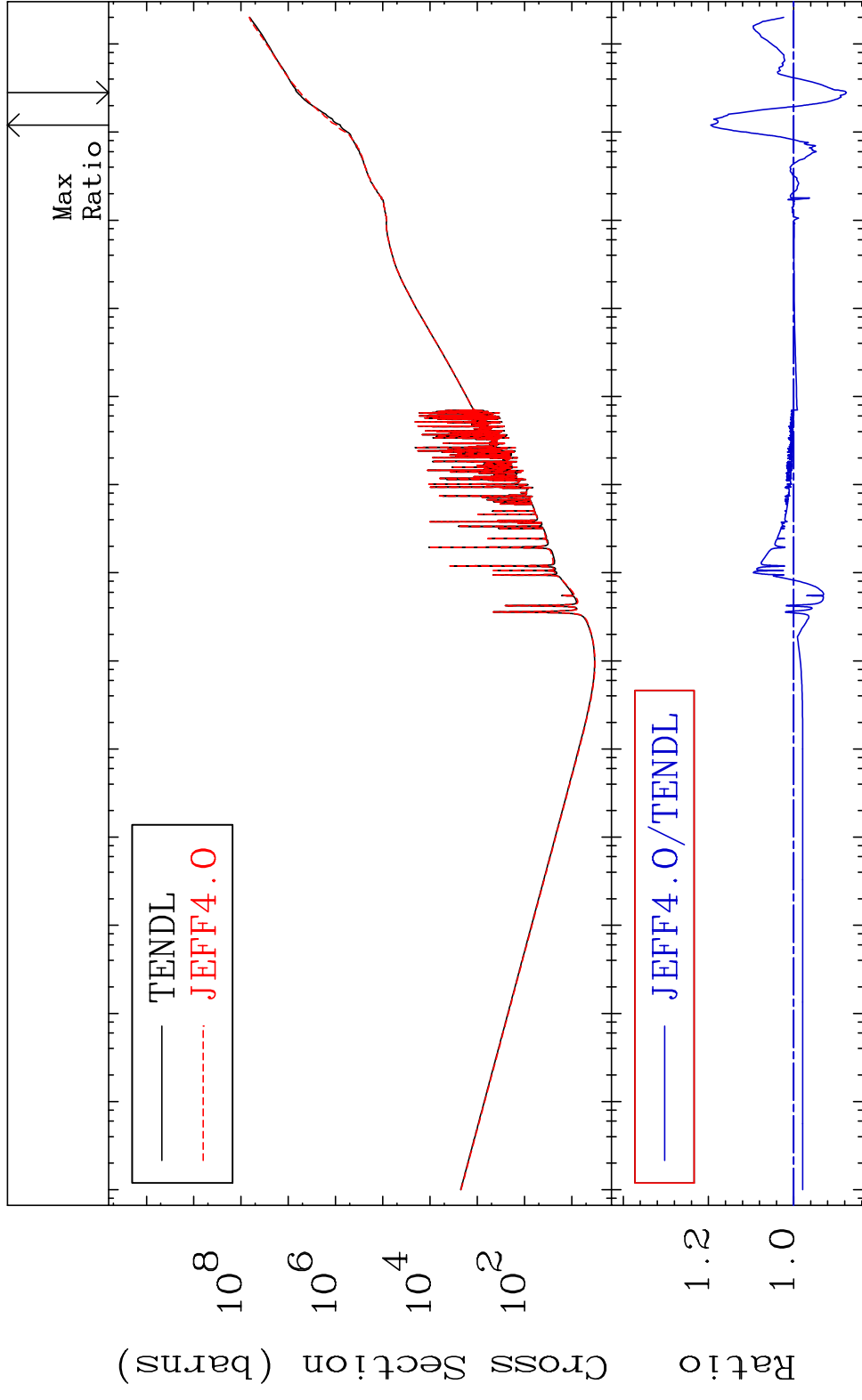
41-Nb-93

MAT 4125

Kerma total (eV-barns)

41-Nb-93

Cross Section -12.37 To 19.46 %



65

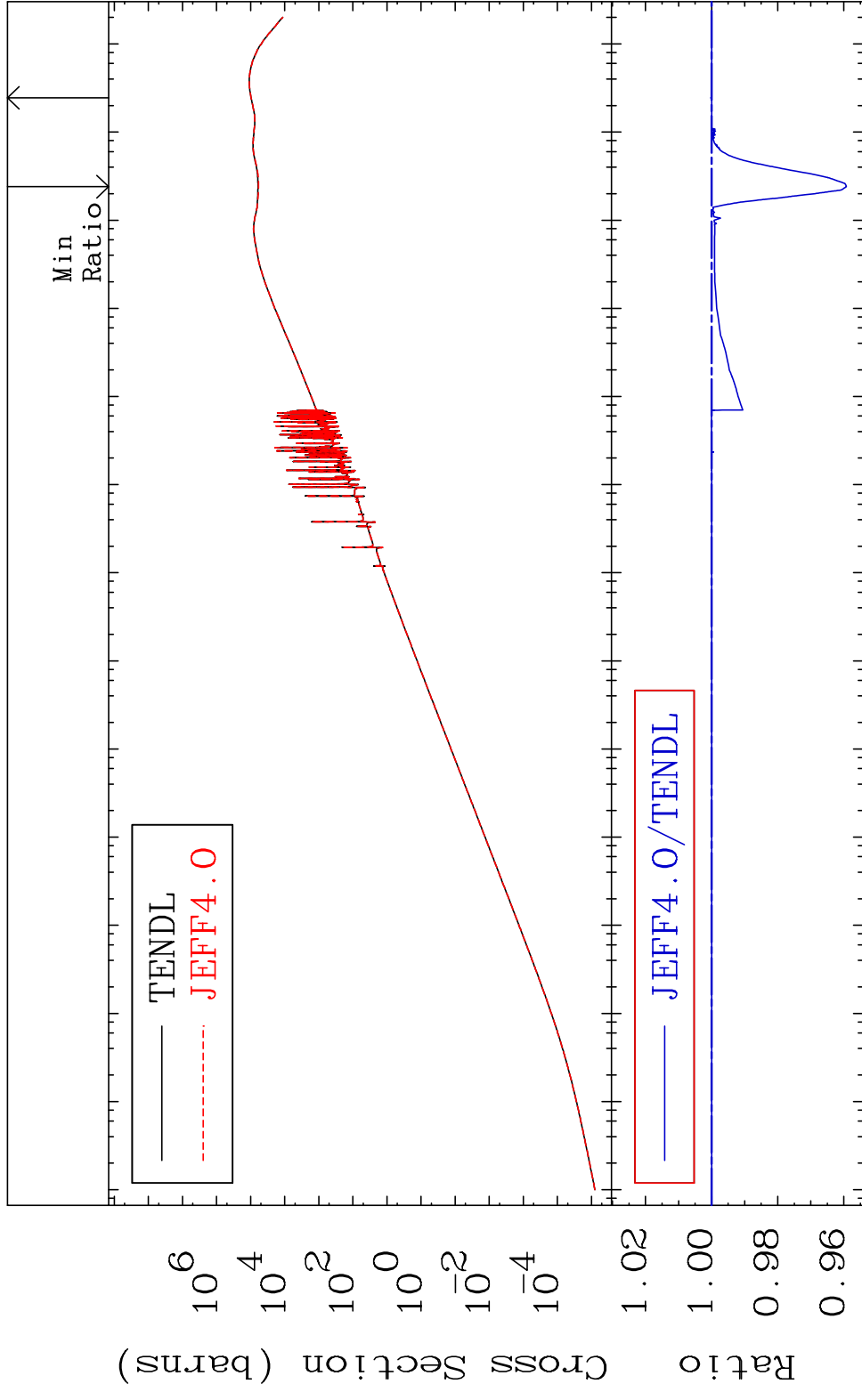
Incident Energy (eV)

41-Nb-93

MAT 4125

Kerma elastic
Cross Section -4.075 To 0.028 %

41-Nb-93

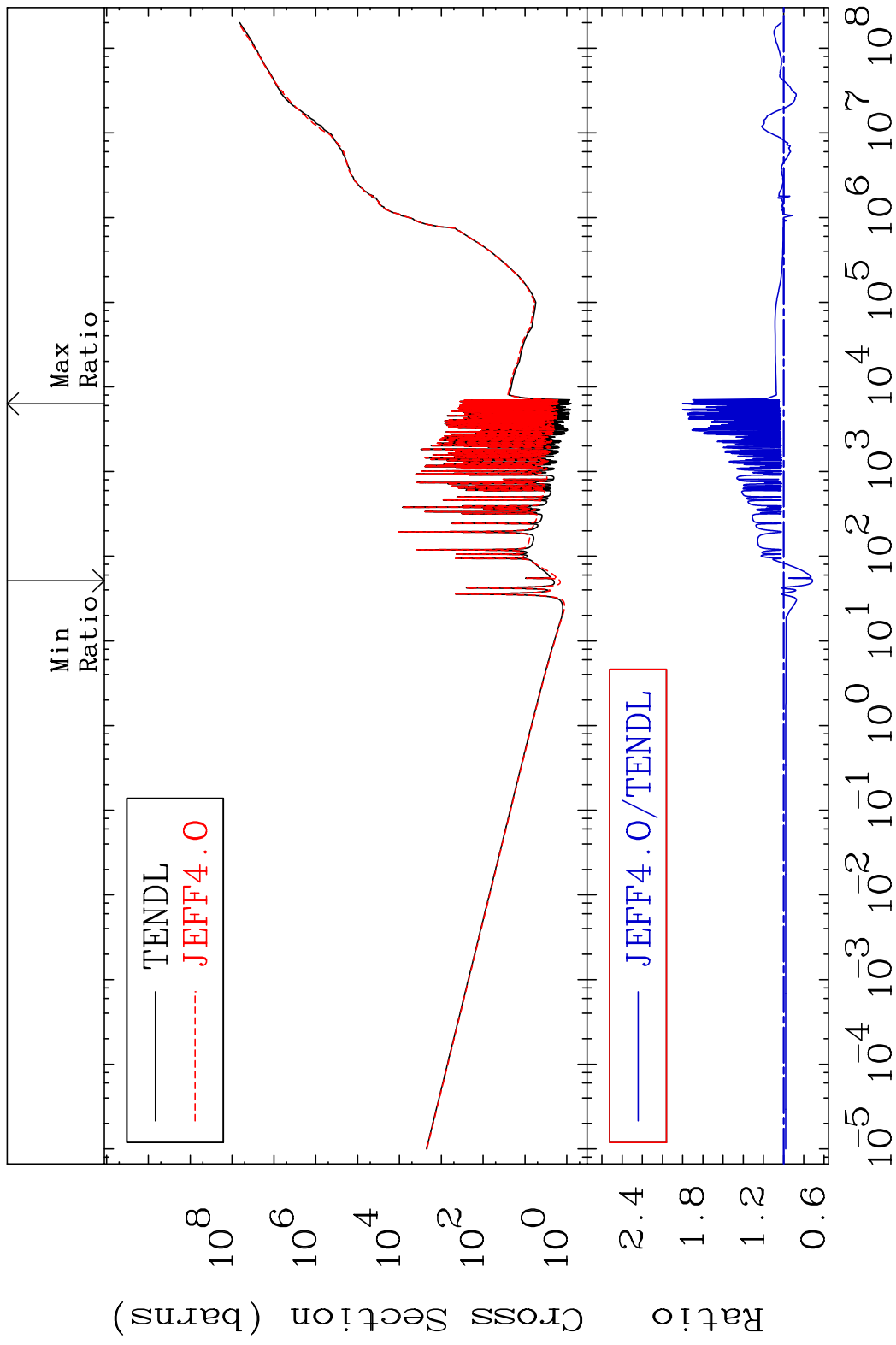


66

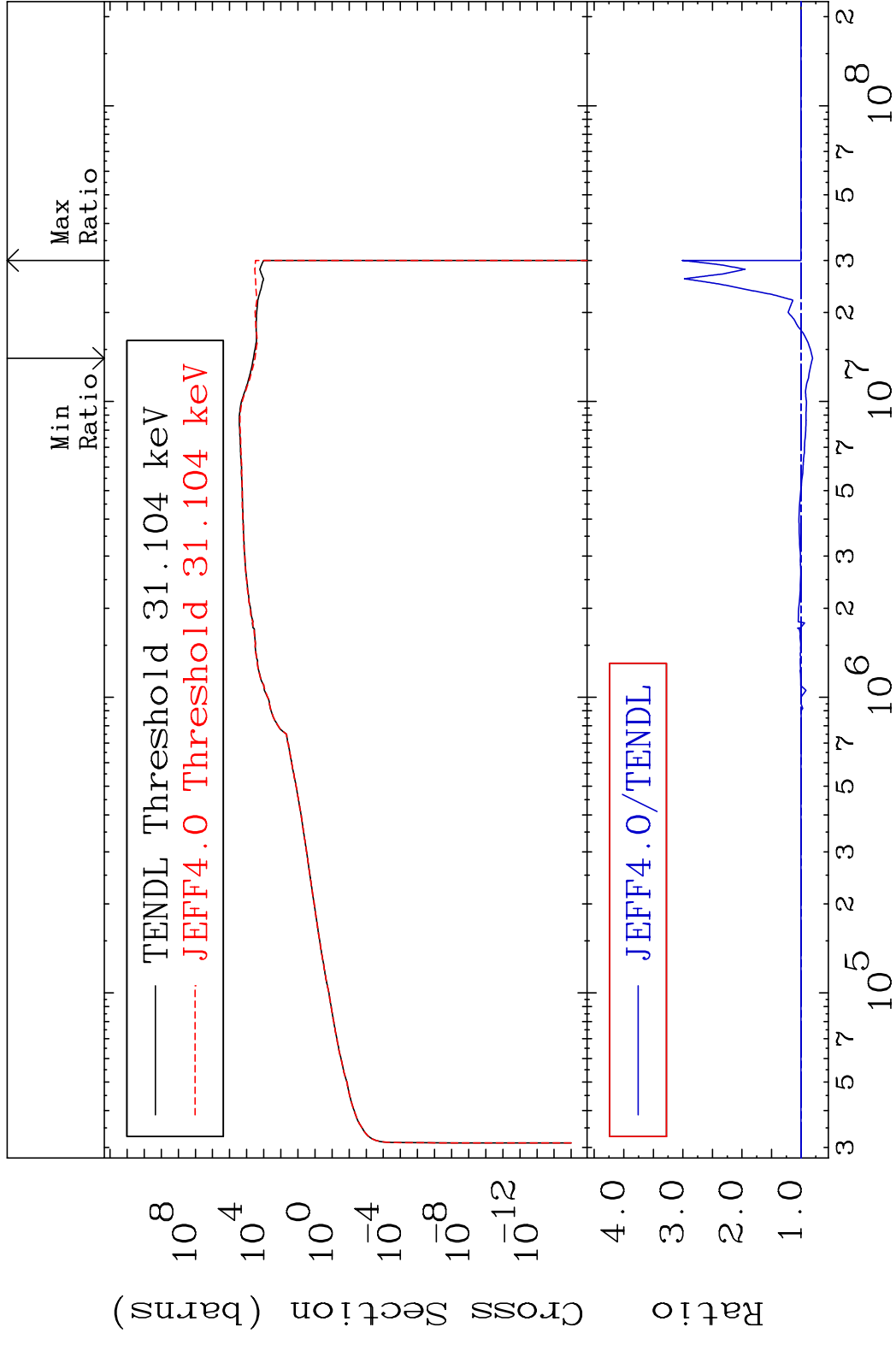
Incident Energy (eV)

41-Nb-93

MAT 4125 Kerma non-elastic (all but mt2) 41-Nb-93
 Cross Section -28.71 To 100.3 %

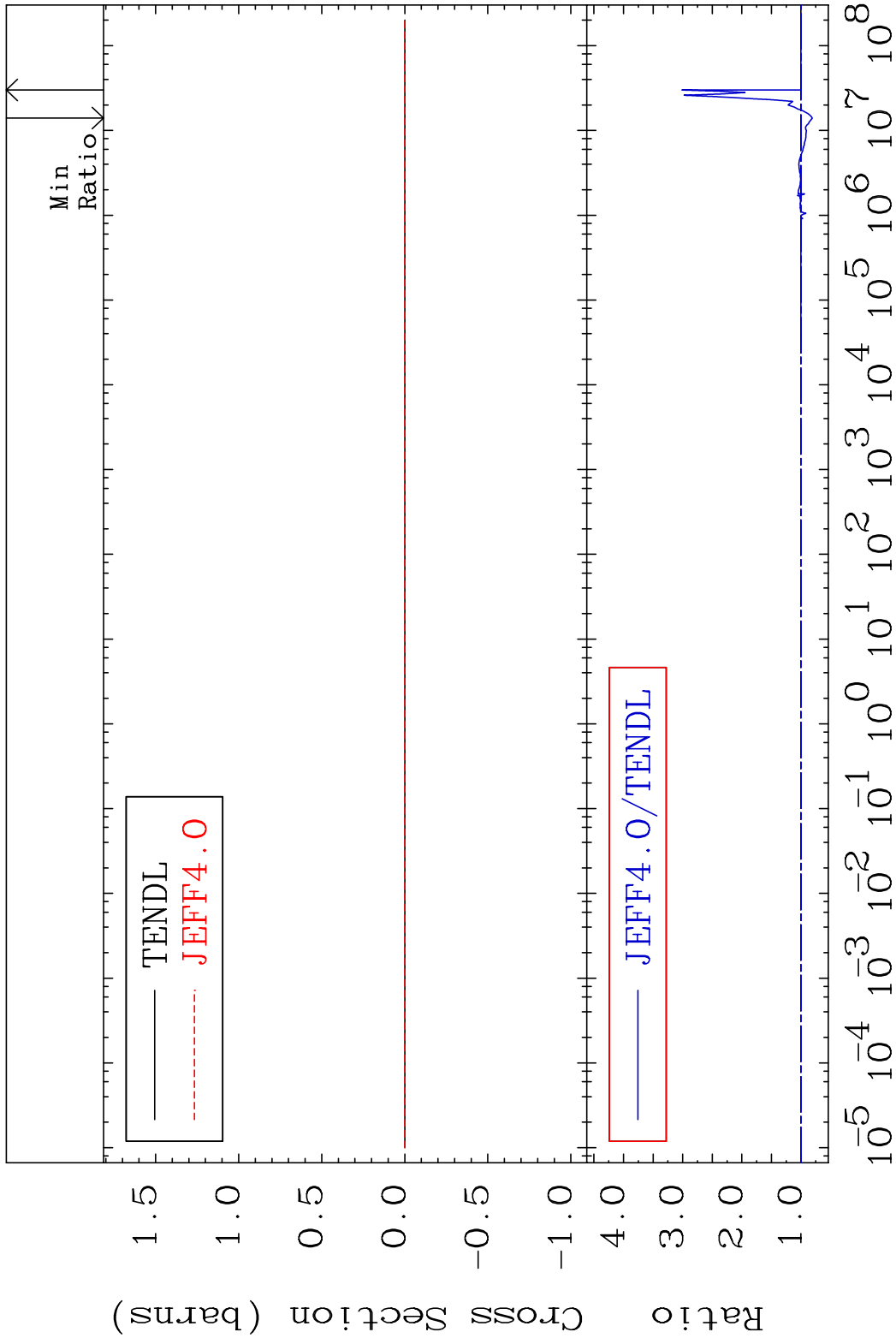


MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -19.42 To 200.9 %



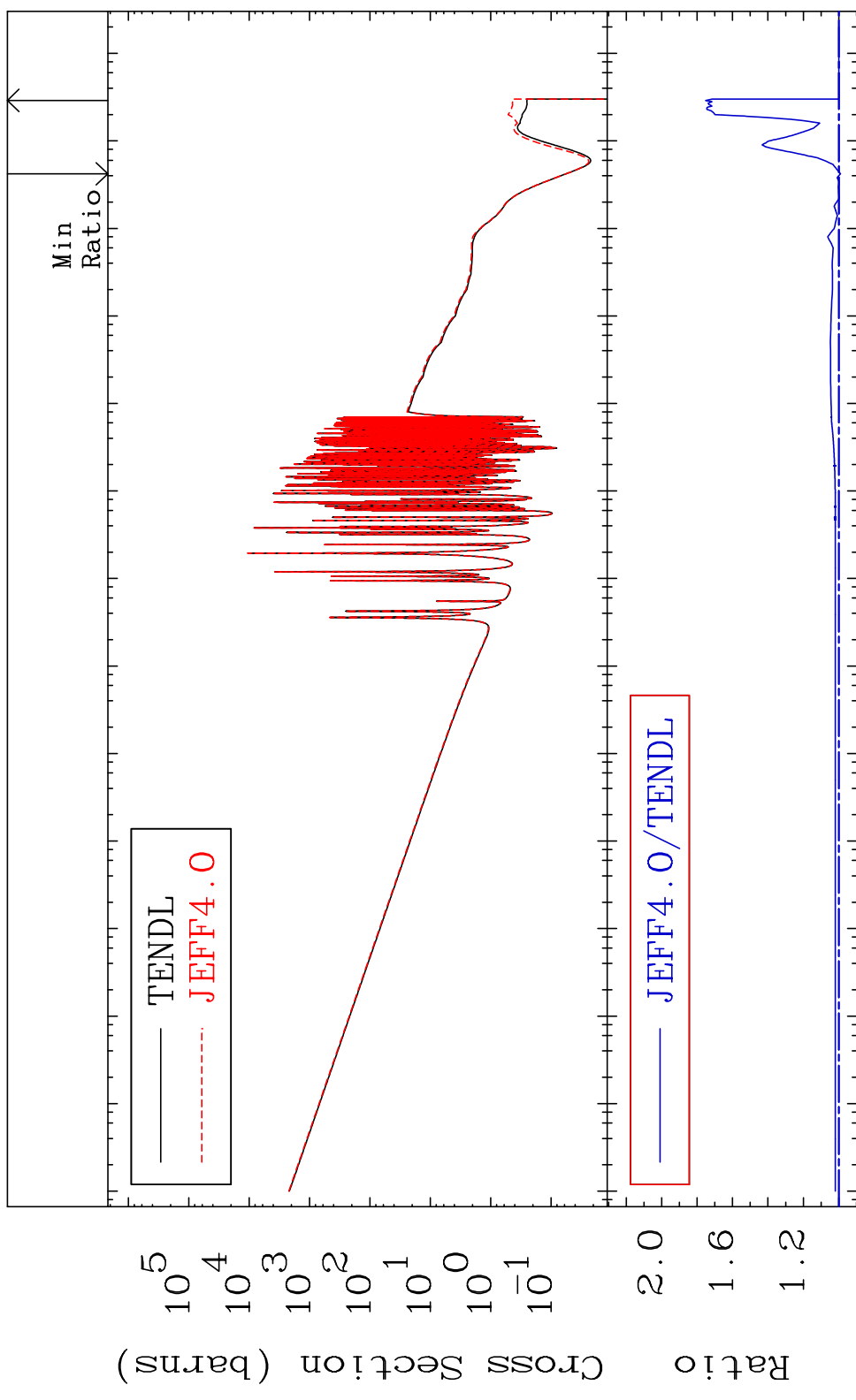
68 Incident Energy (eV) 41-Nb-93

MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -19.42 To 200.9 %



MAT 4125

Kerma capture (mt102) 41-Nb-93
Cross Section -0.930 To 75.10 %



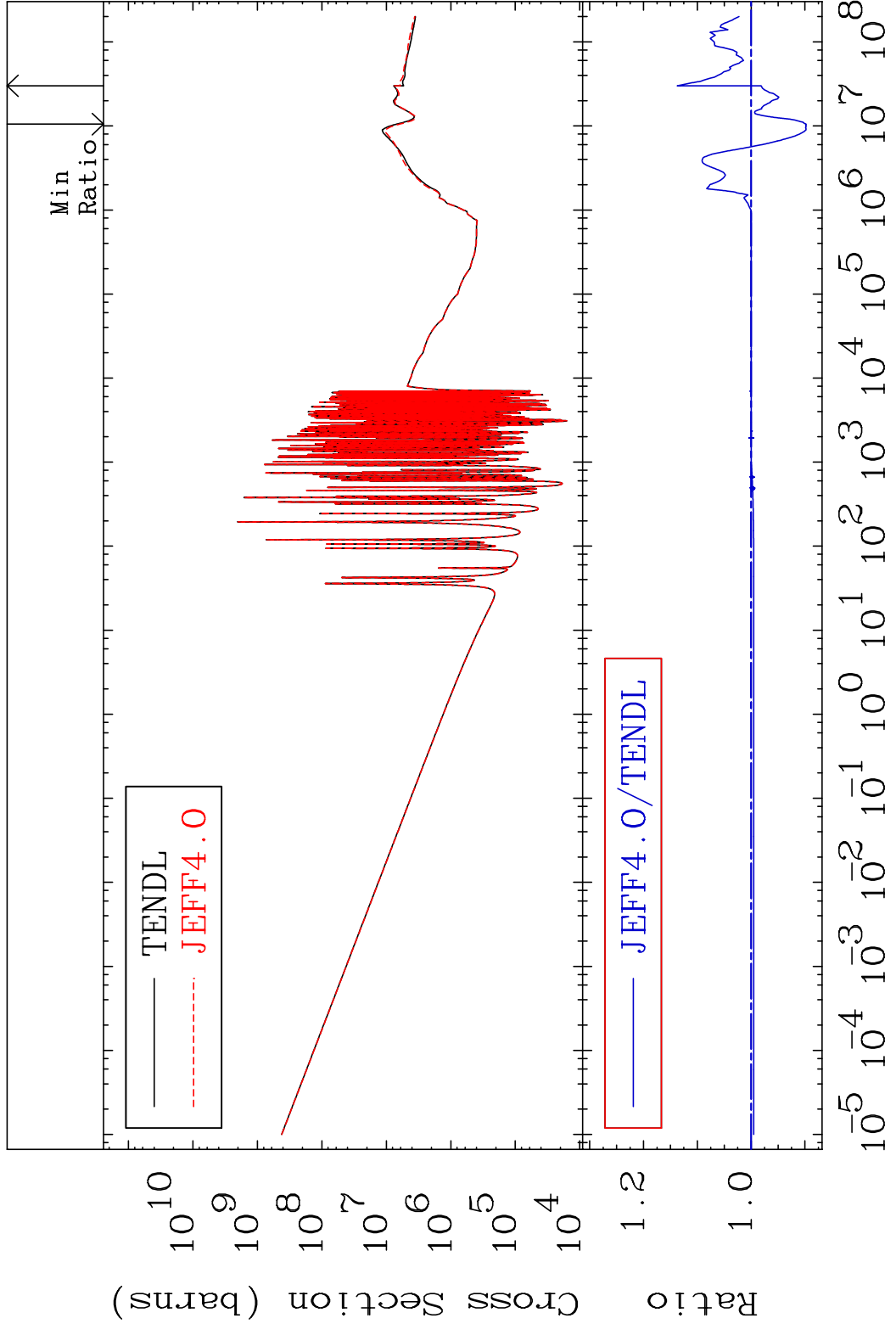
70

Incident Energy (eV)

41-Nb-93

MAT 4125

Total photon (eV-barns) 41-Nb-93
Cross Section -10.27 To 13.74 %

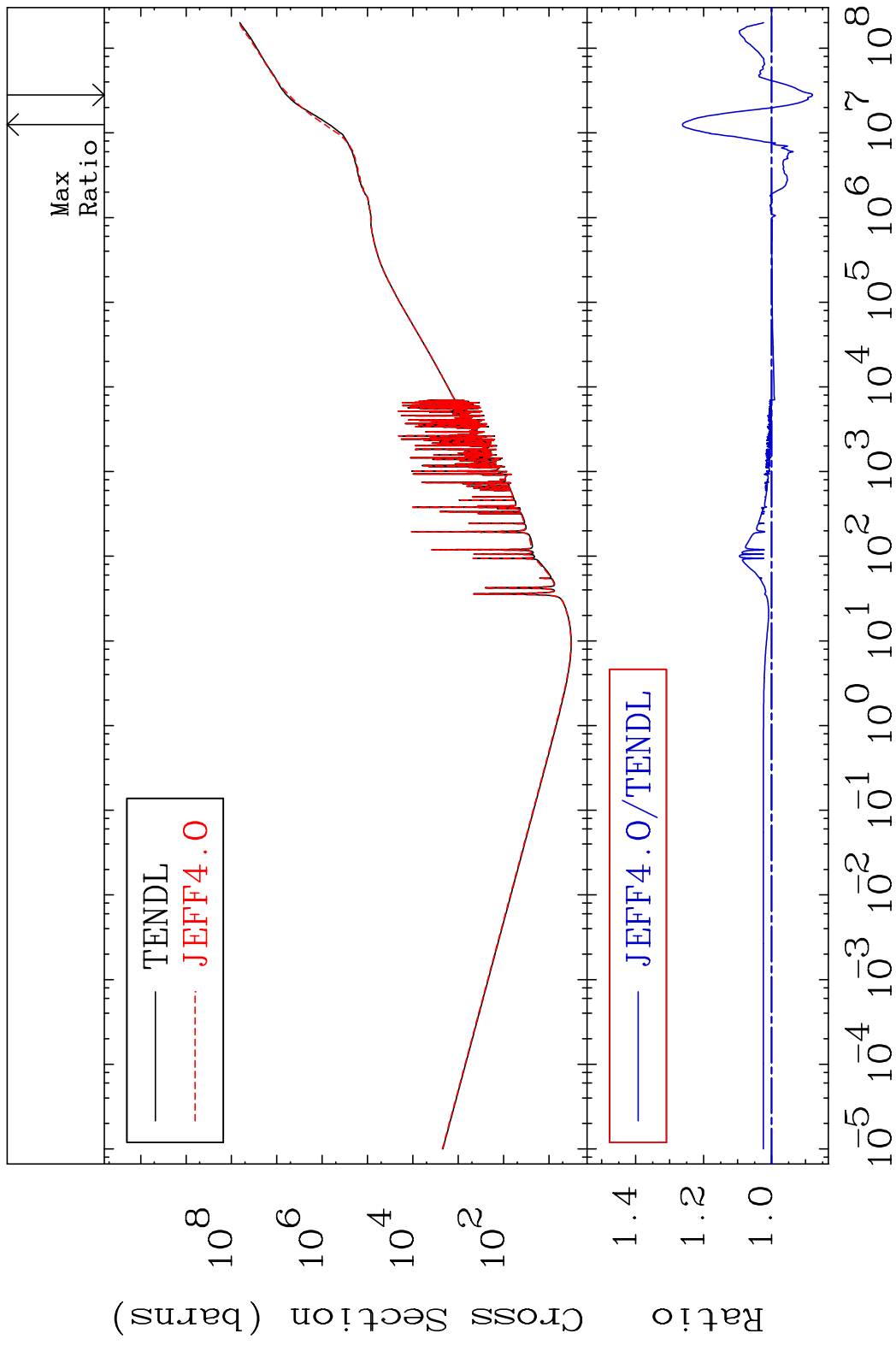


71

Incident Energy (eV)

41-Nb-93

MAT 4125 Total kinematic kerma (high limit) 41-Nb-93
Cross Section -12.05 To 26.26 %

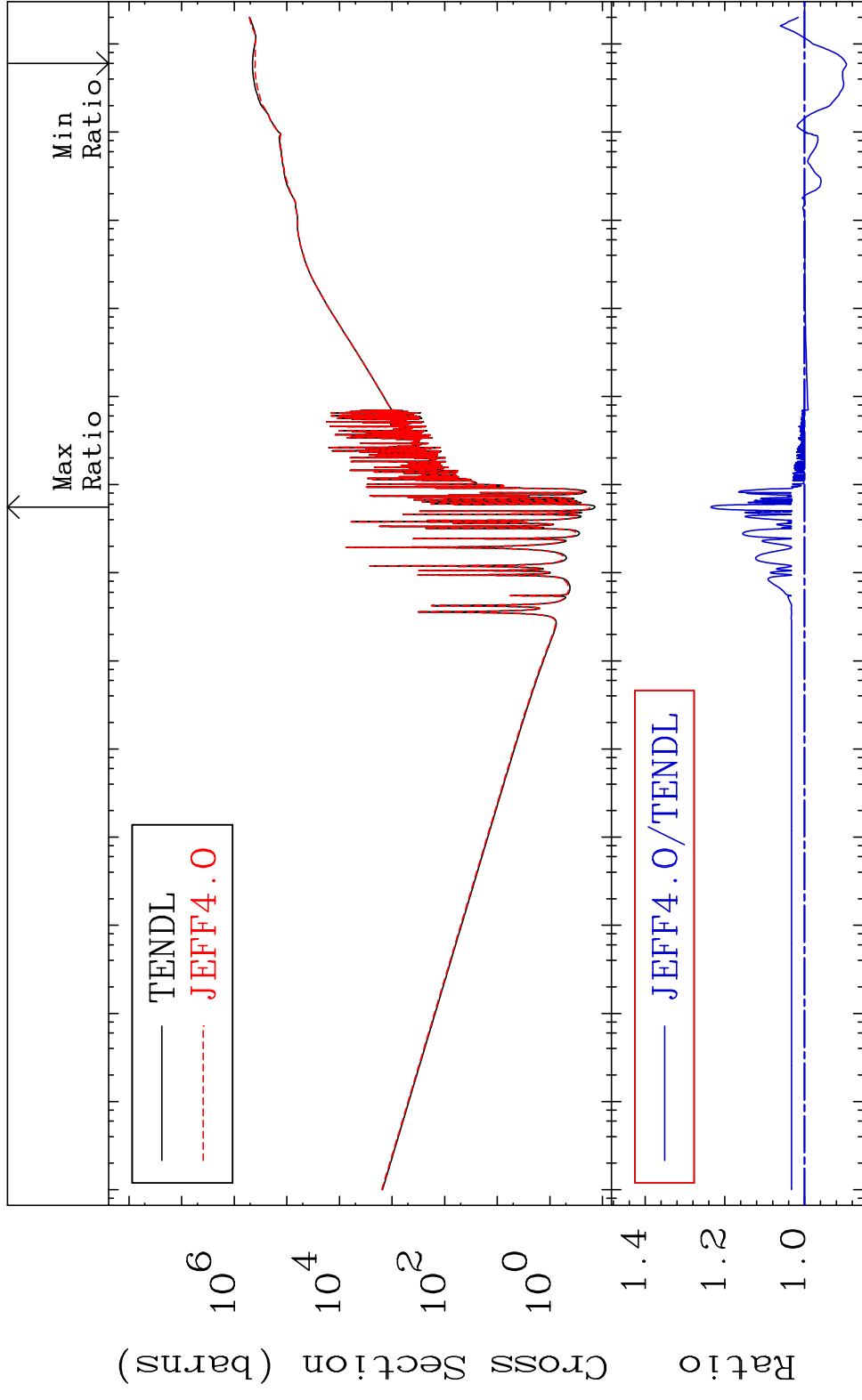


MAT 4125

Dpa total (eV-barns)

41-Nb-93

Cross Section -10.50 To 23.54 %

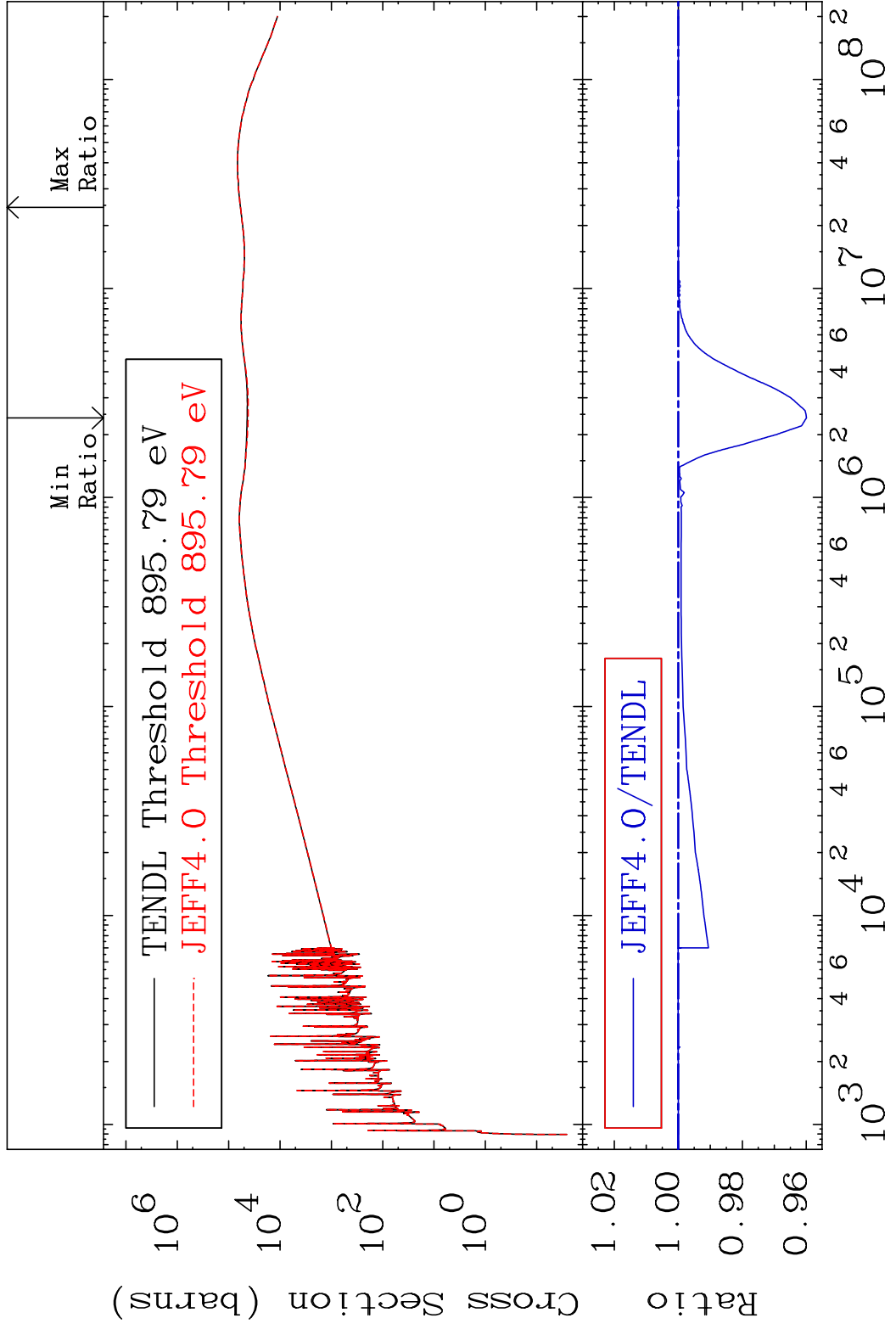


73

Incident Energy (eV)

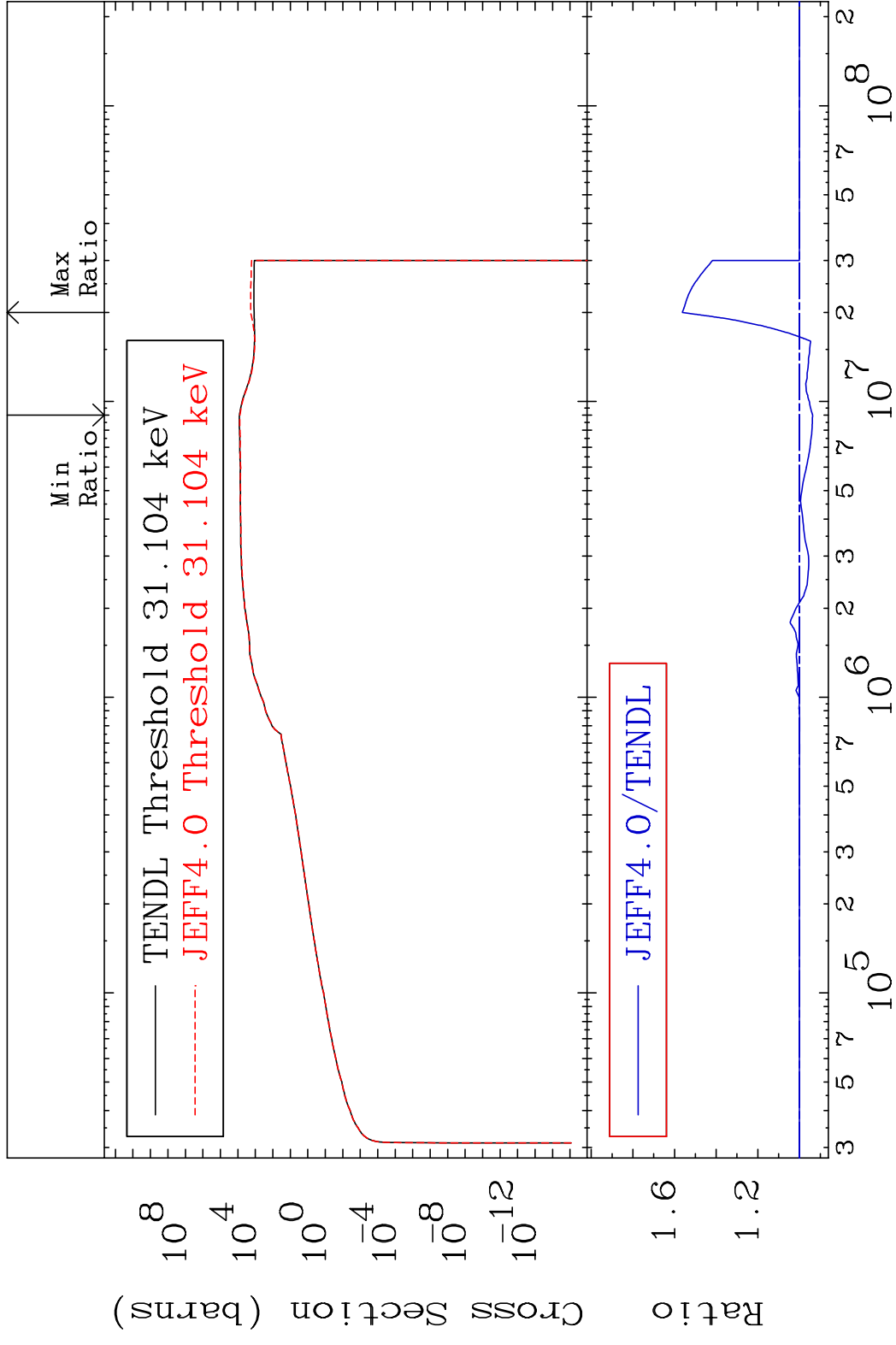
41-Nb-93

MAT 4125 Dpa elastic (mt2) 41-Nb-93
 Cross Section -4.003 To 0.035 %



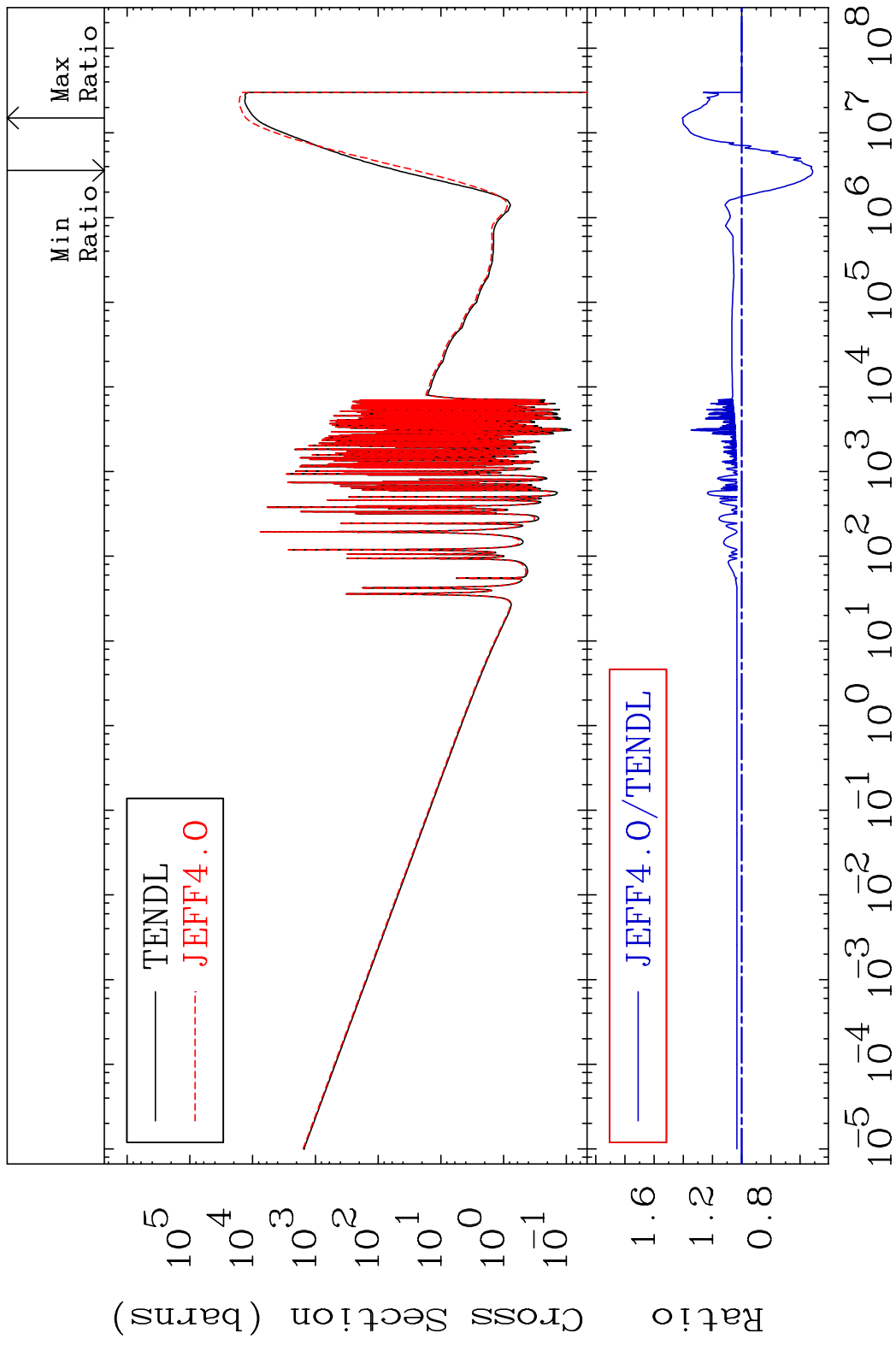
74 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -6.299 To 56.25 %

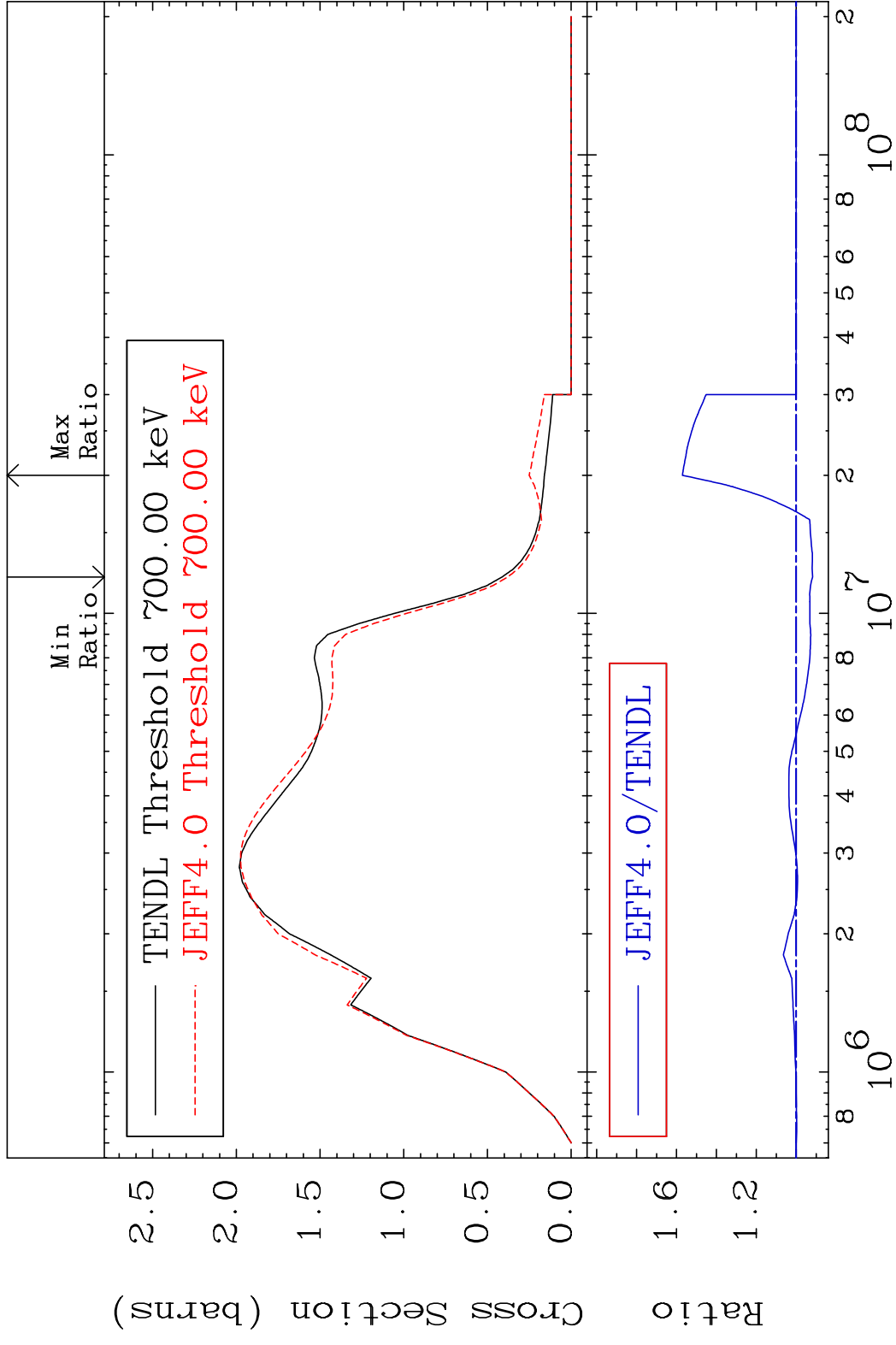


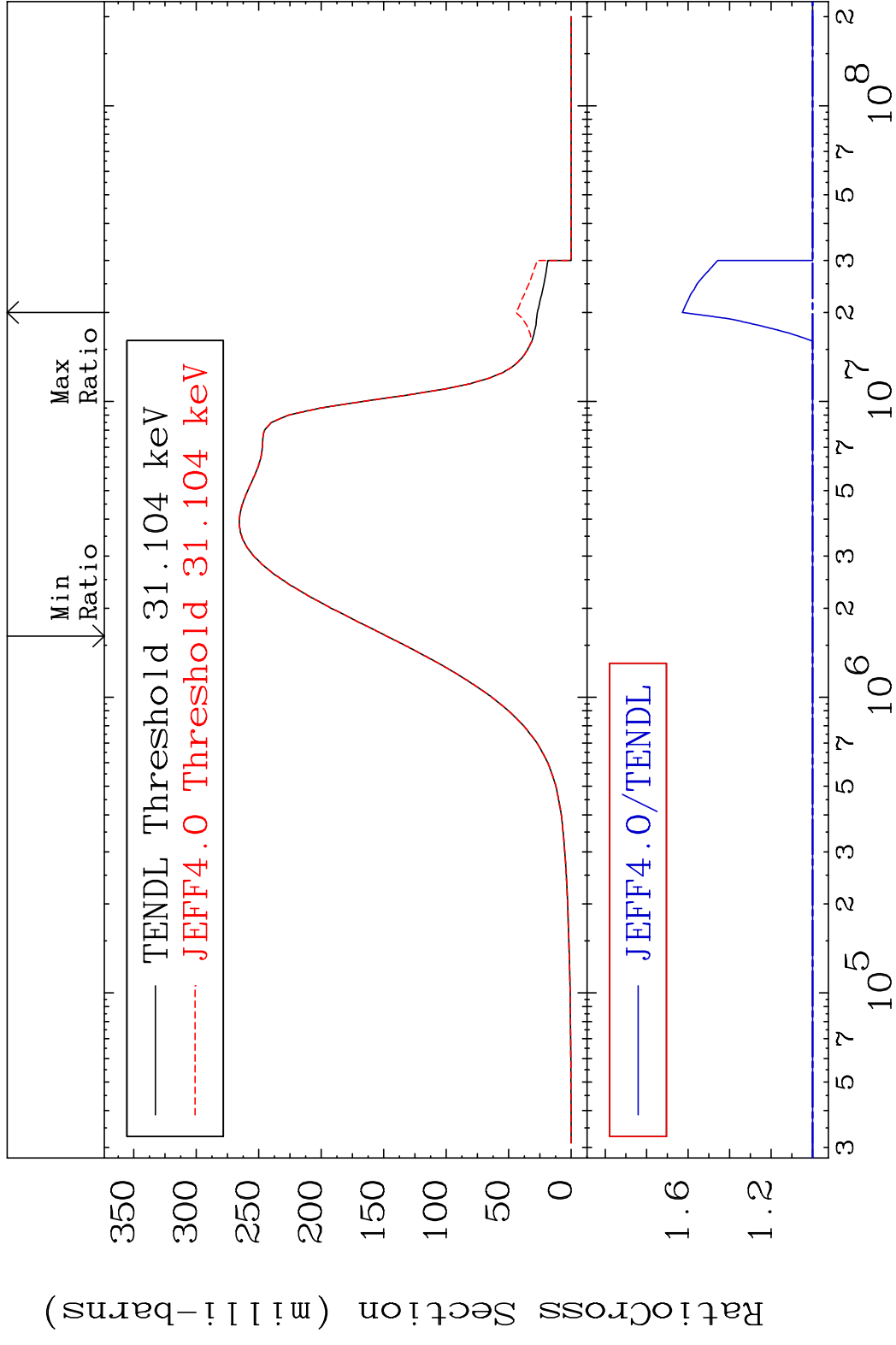
75 Incident Energy (eV) 41-Nb-93

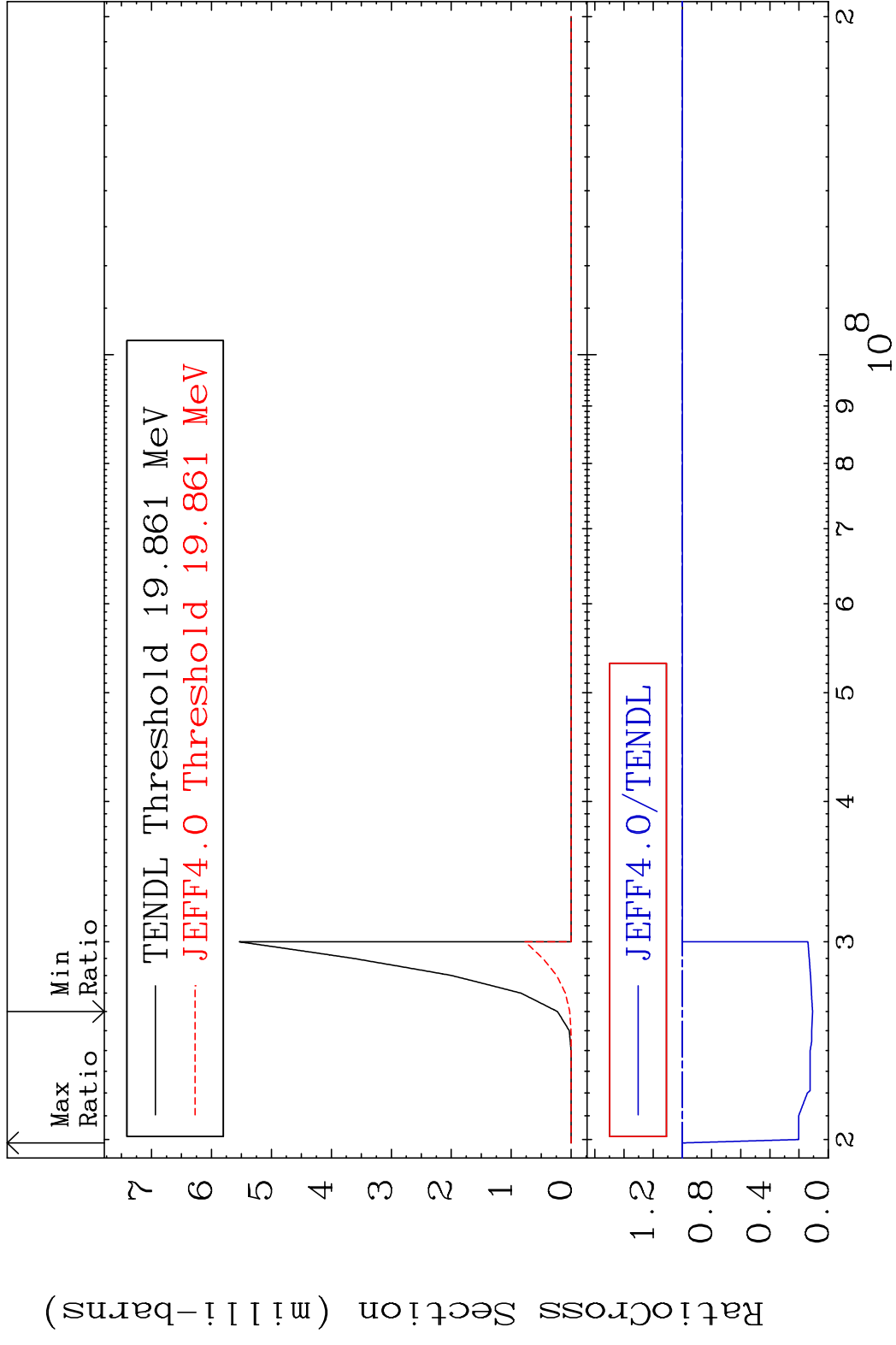
MAT 4125 Dpa disappearance (mt102 -120) 41-Nb-93
 Cross Section -48.62 To 40.66 %



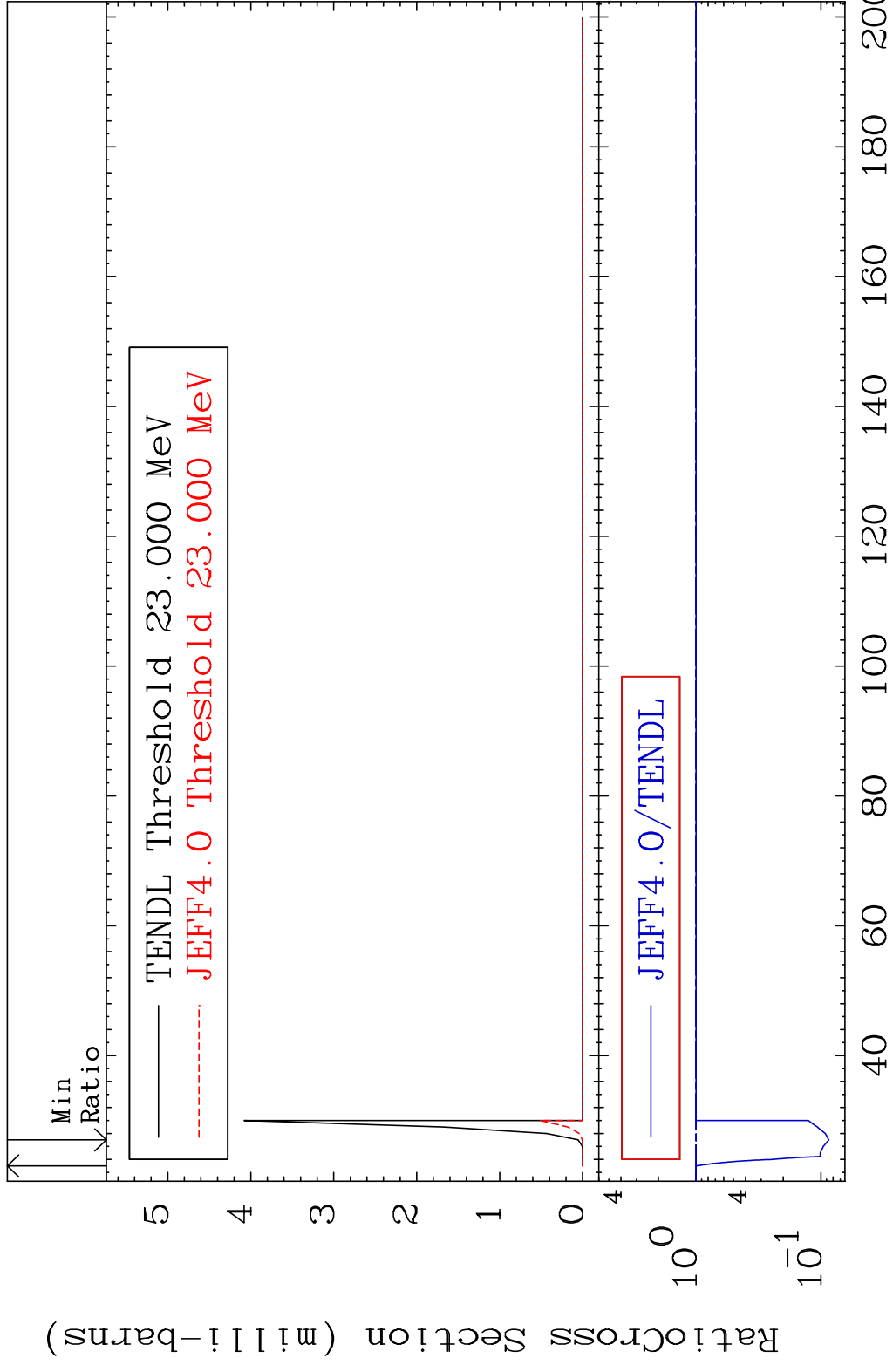
76 Incident Energy (eV) 41-Nb-93

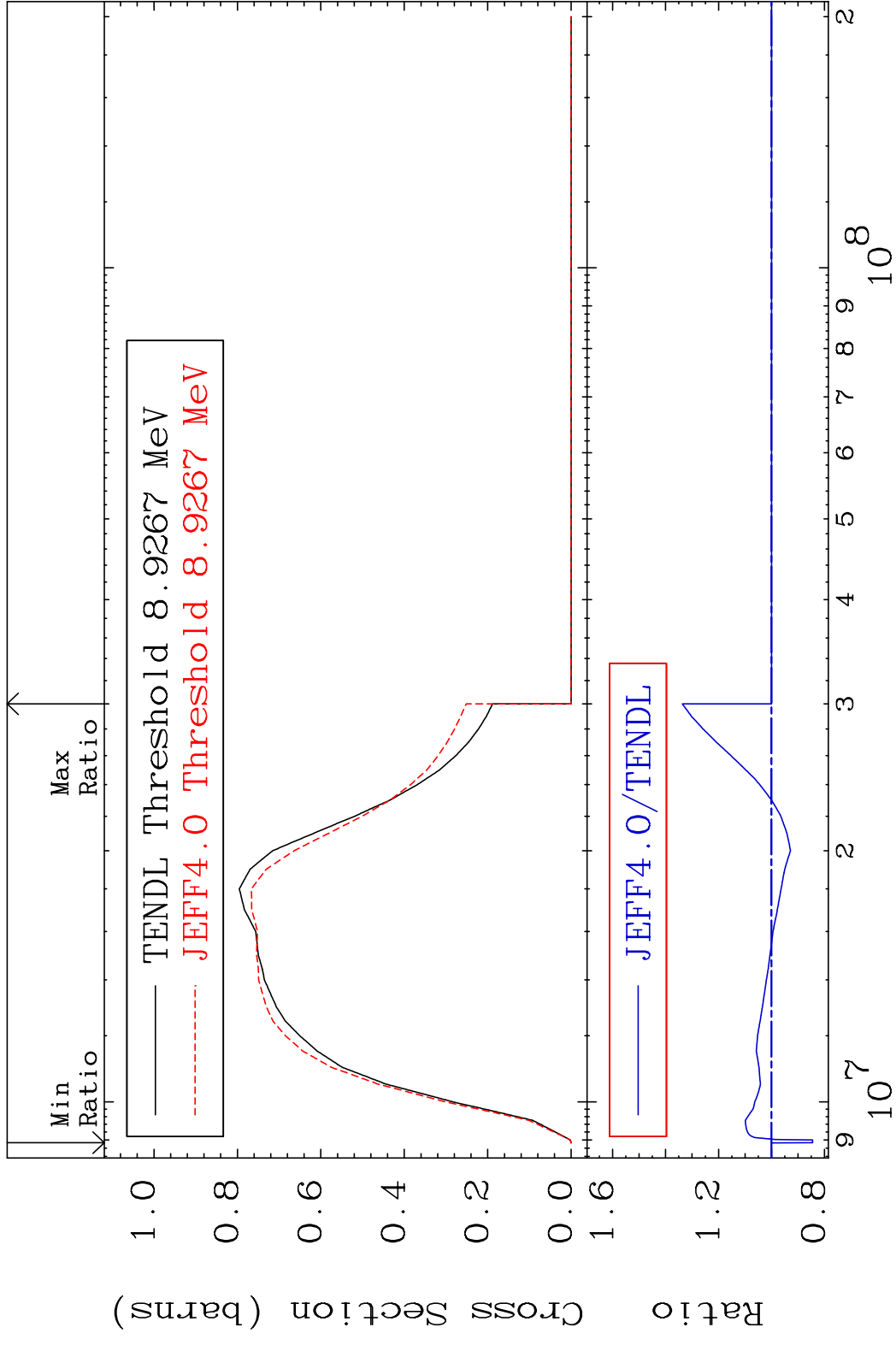




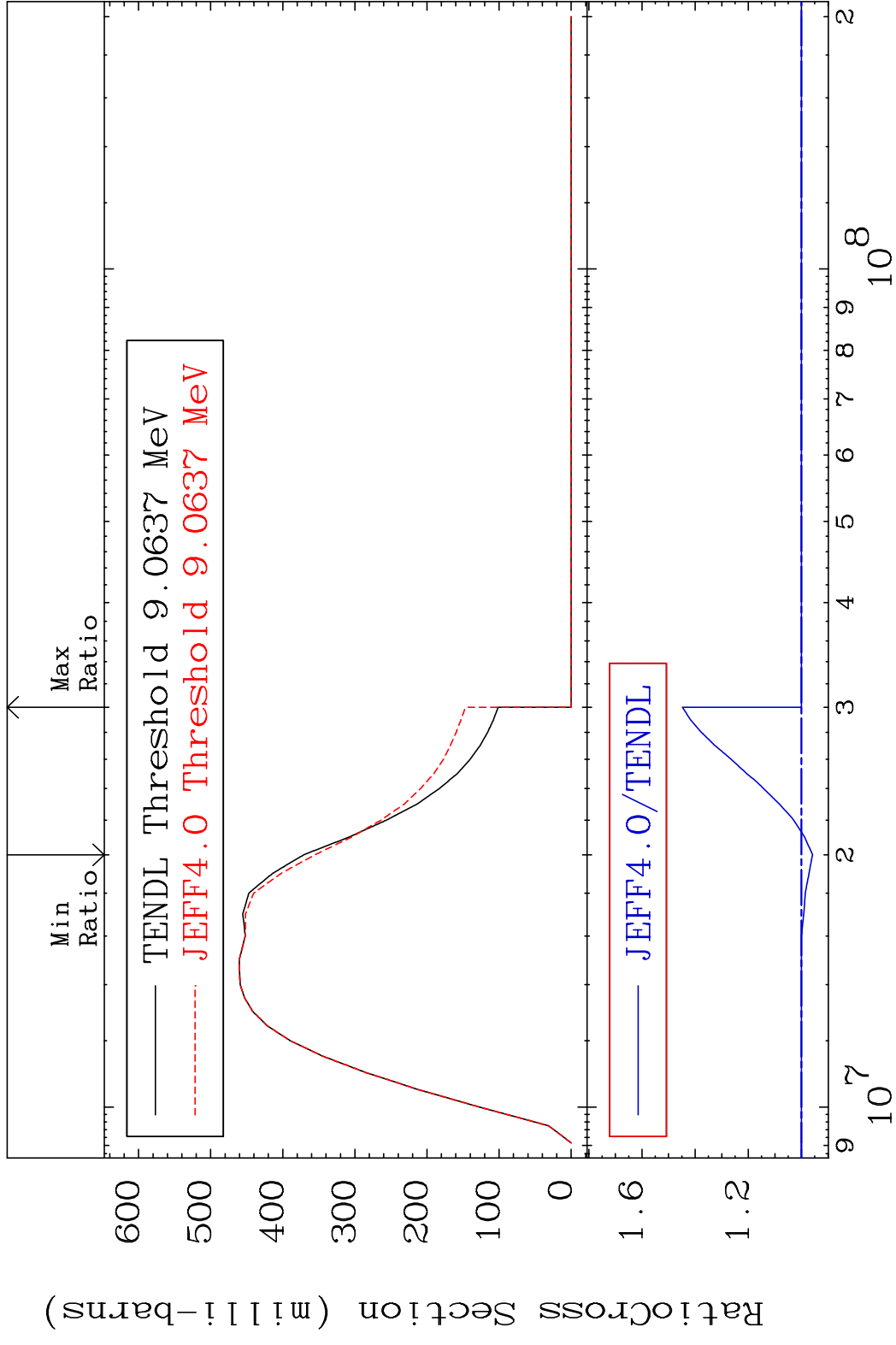


MAT 4125 (n,2n) d:40-Zr-90m3 41-Nb-93
 Radionuclide Production Cross Section 0.000 %

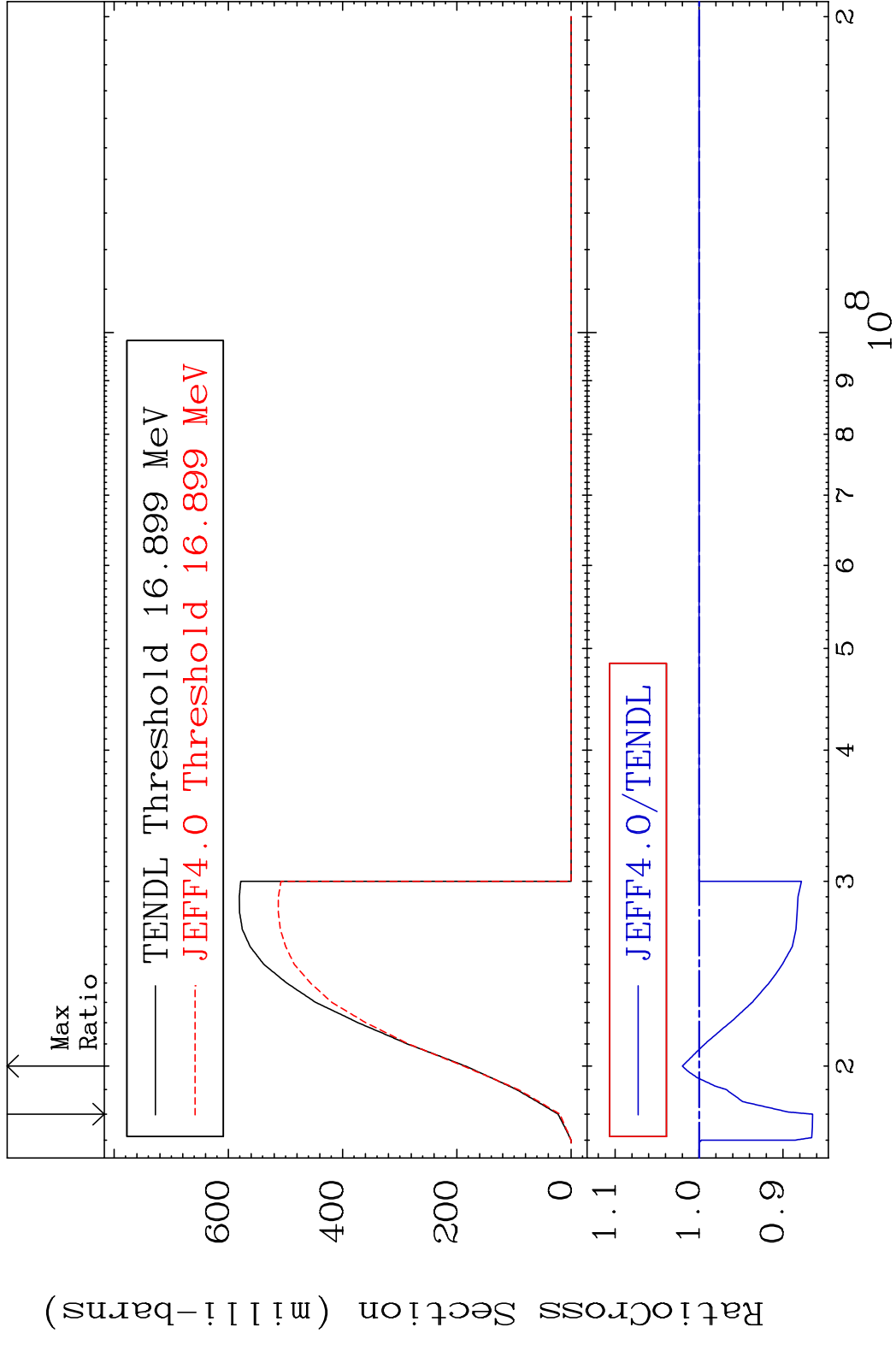


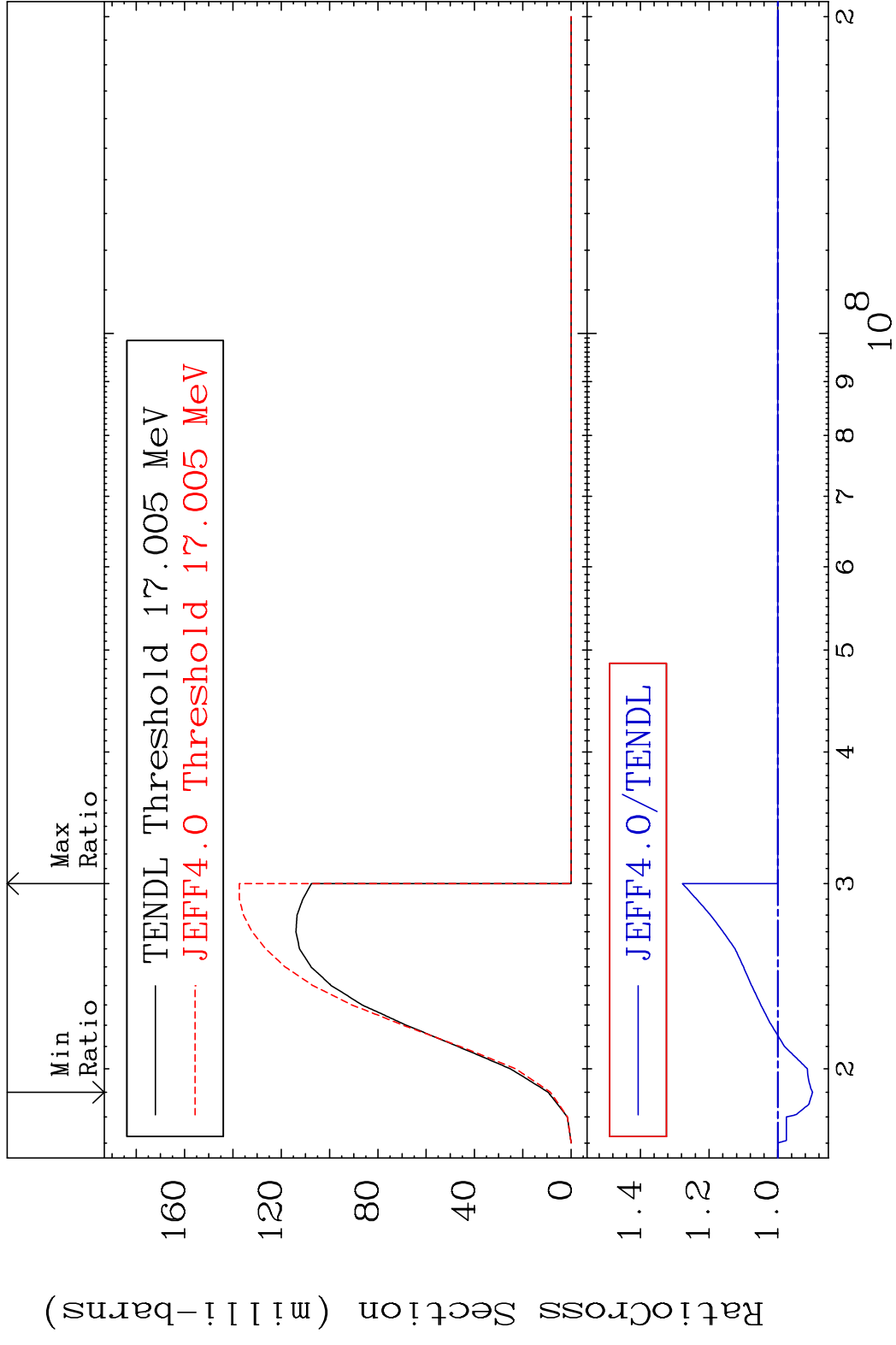


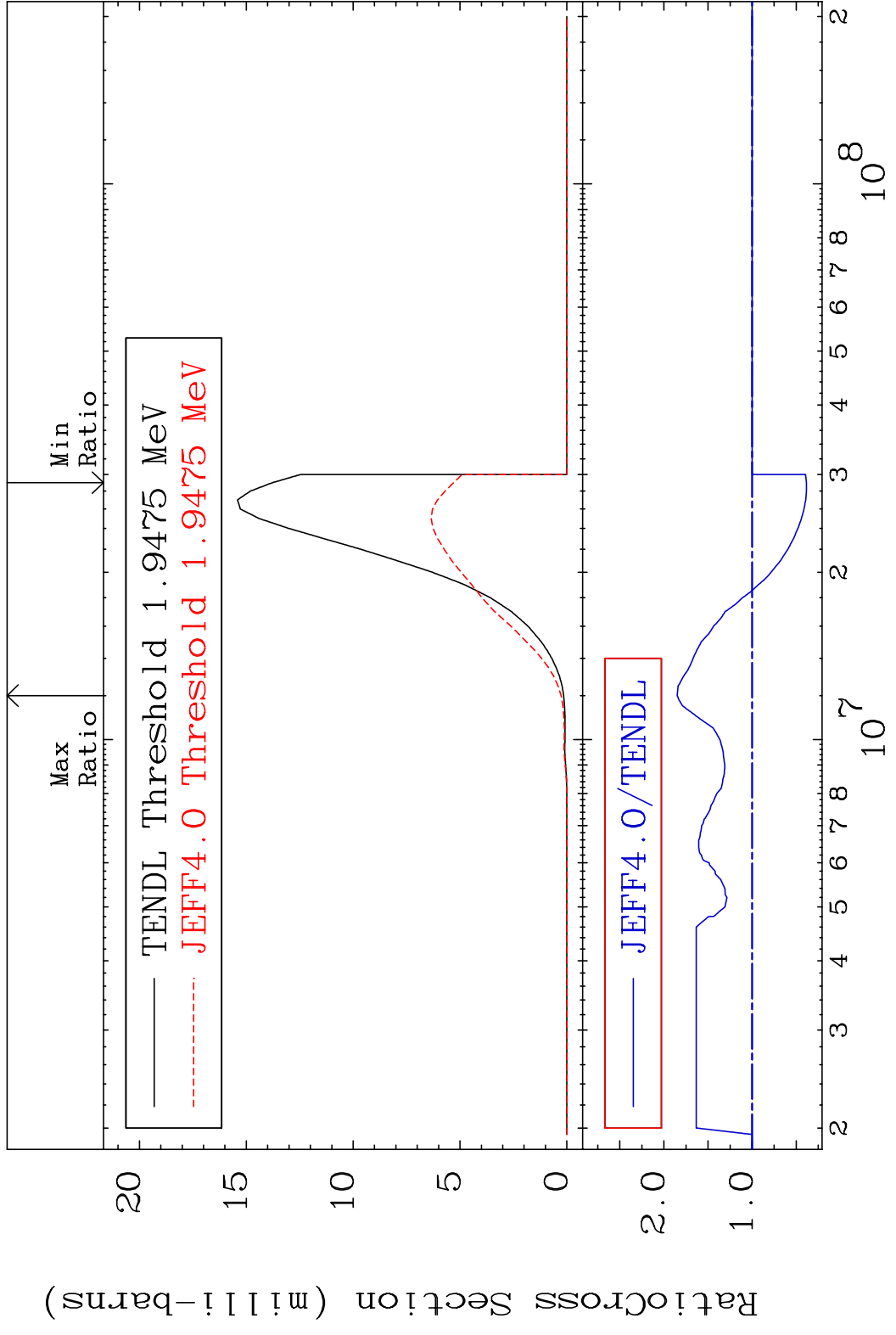
MAT 4125 (n,2n): 41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section 44.82 %

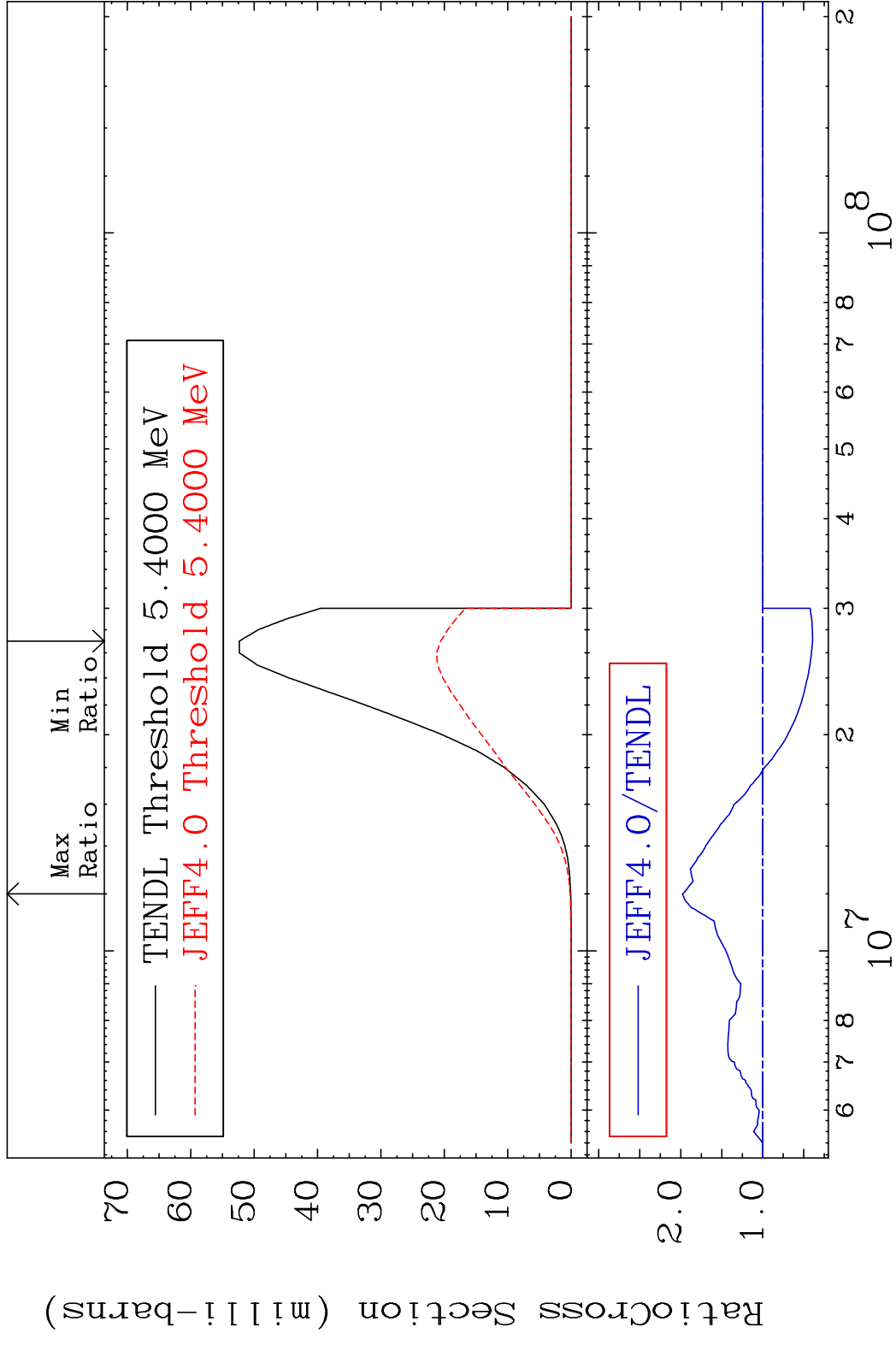


82 Incident Energy (eV) 41-Nb-93

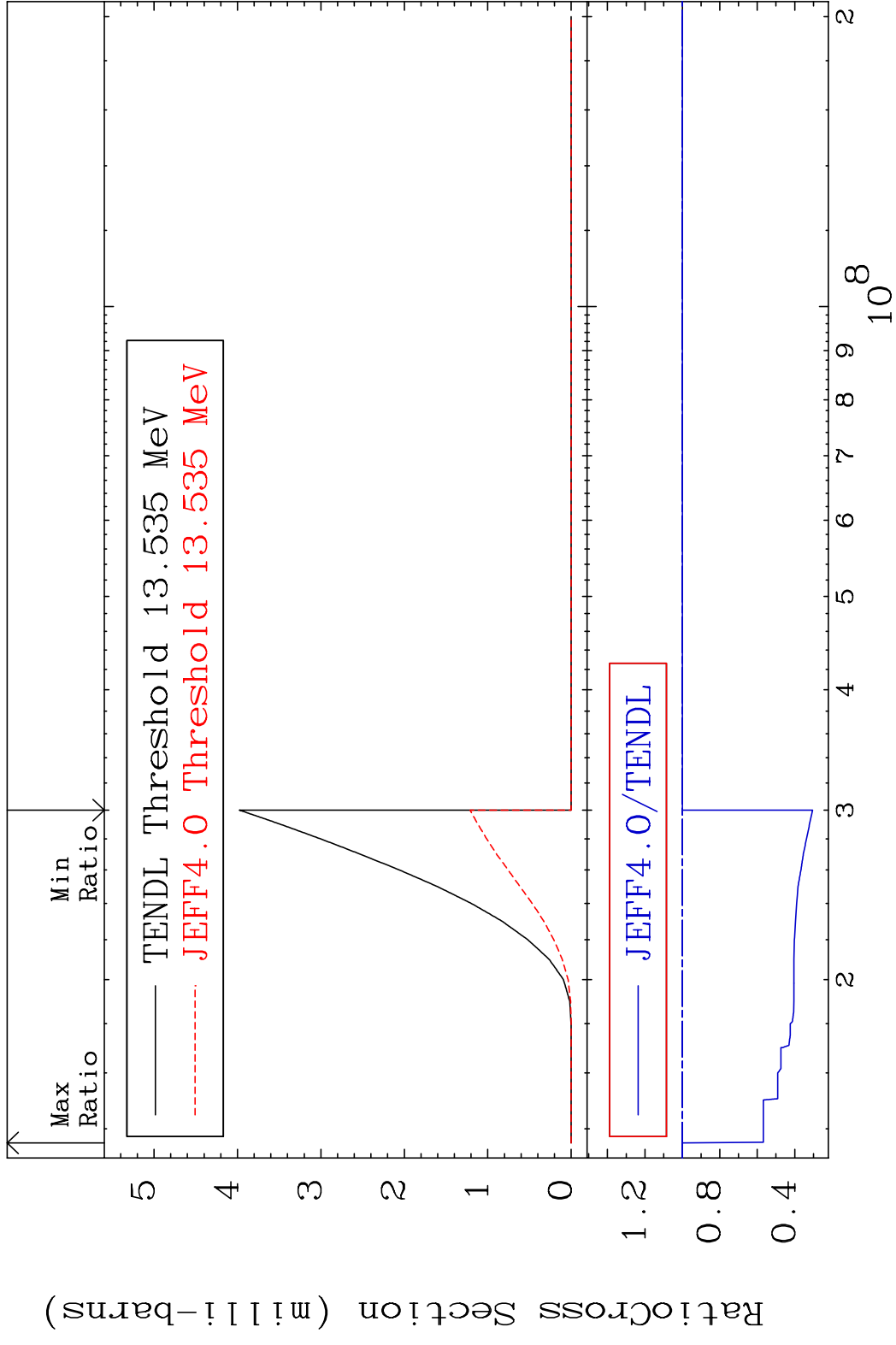


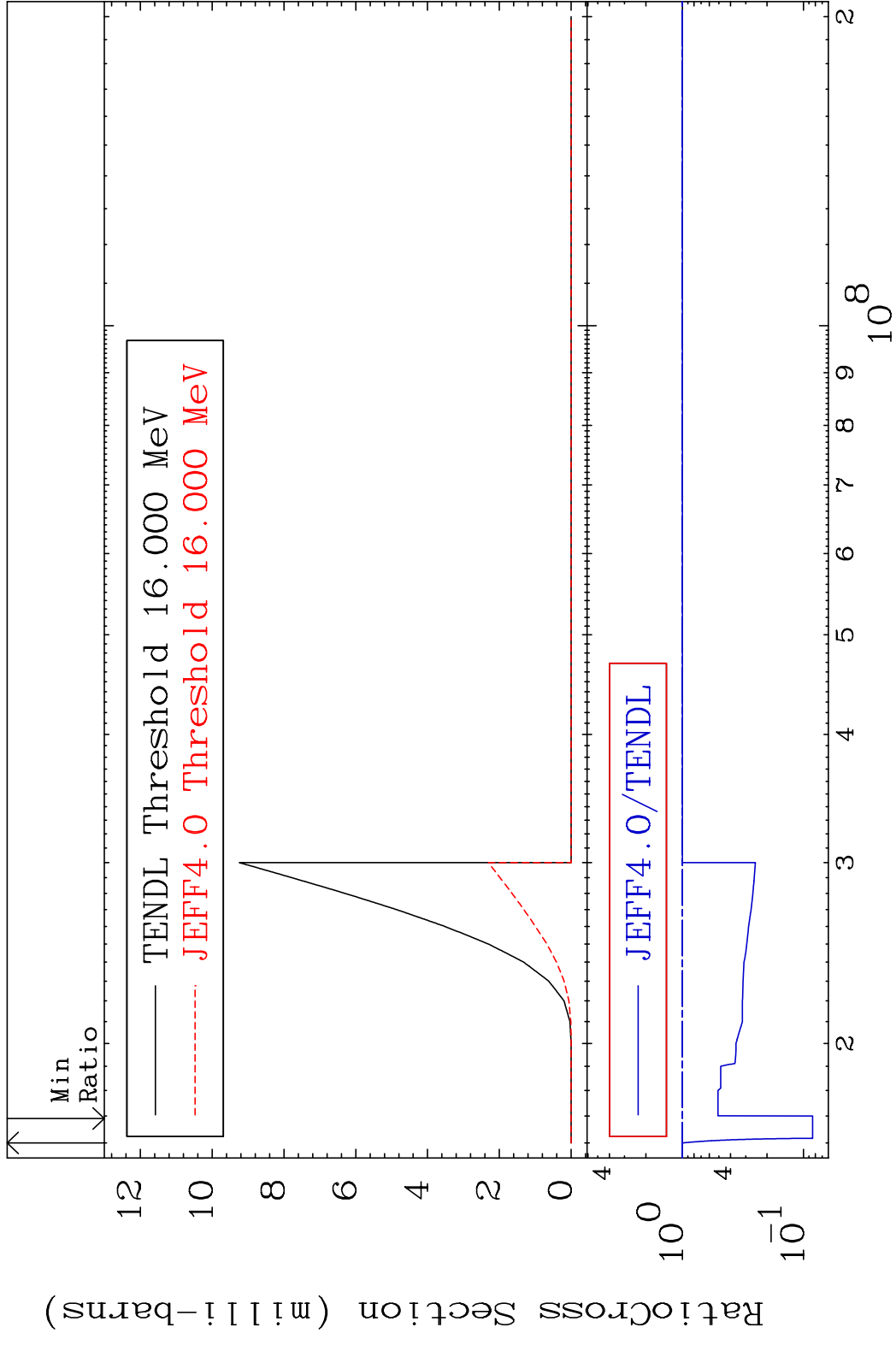


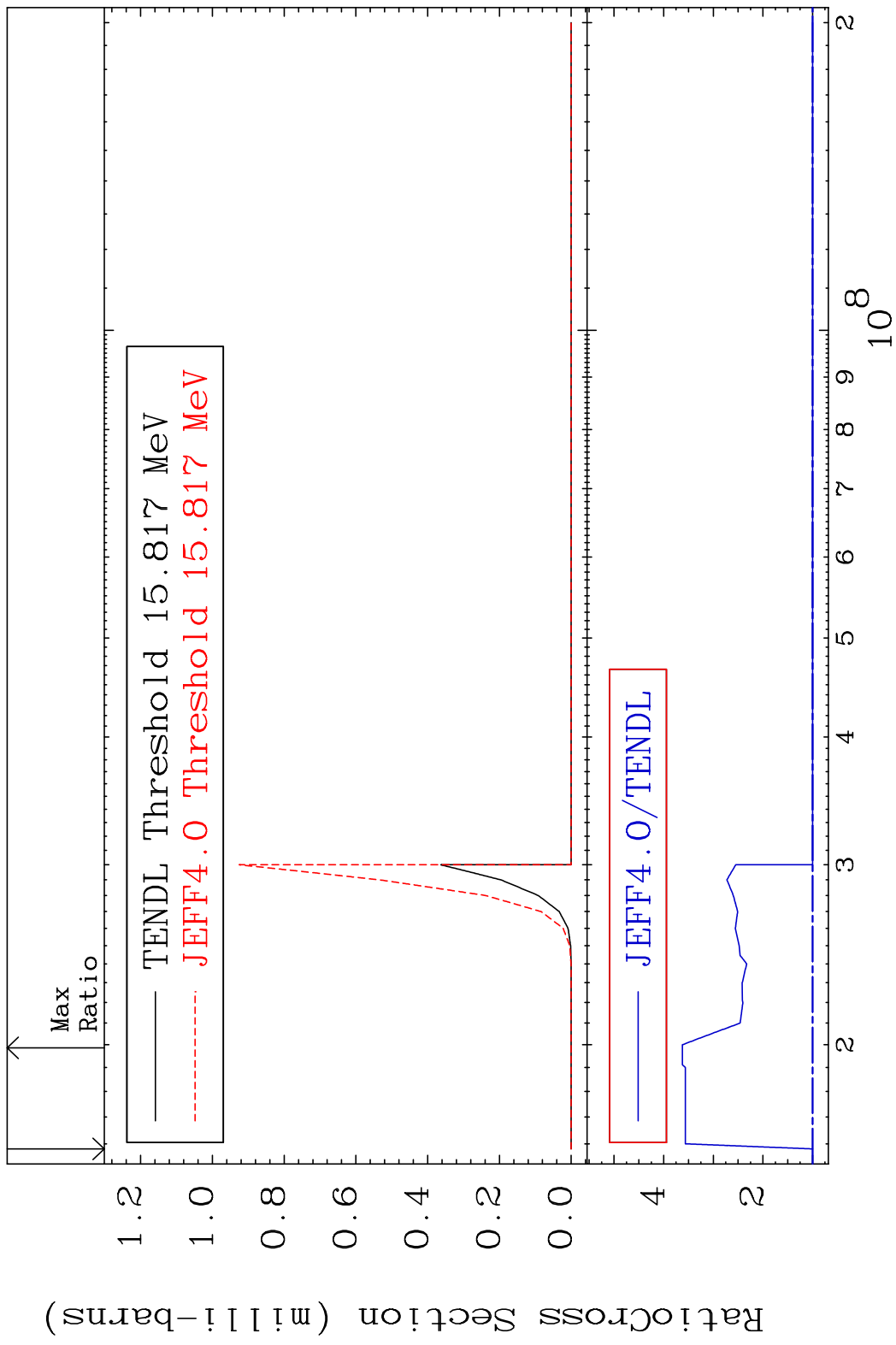


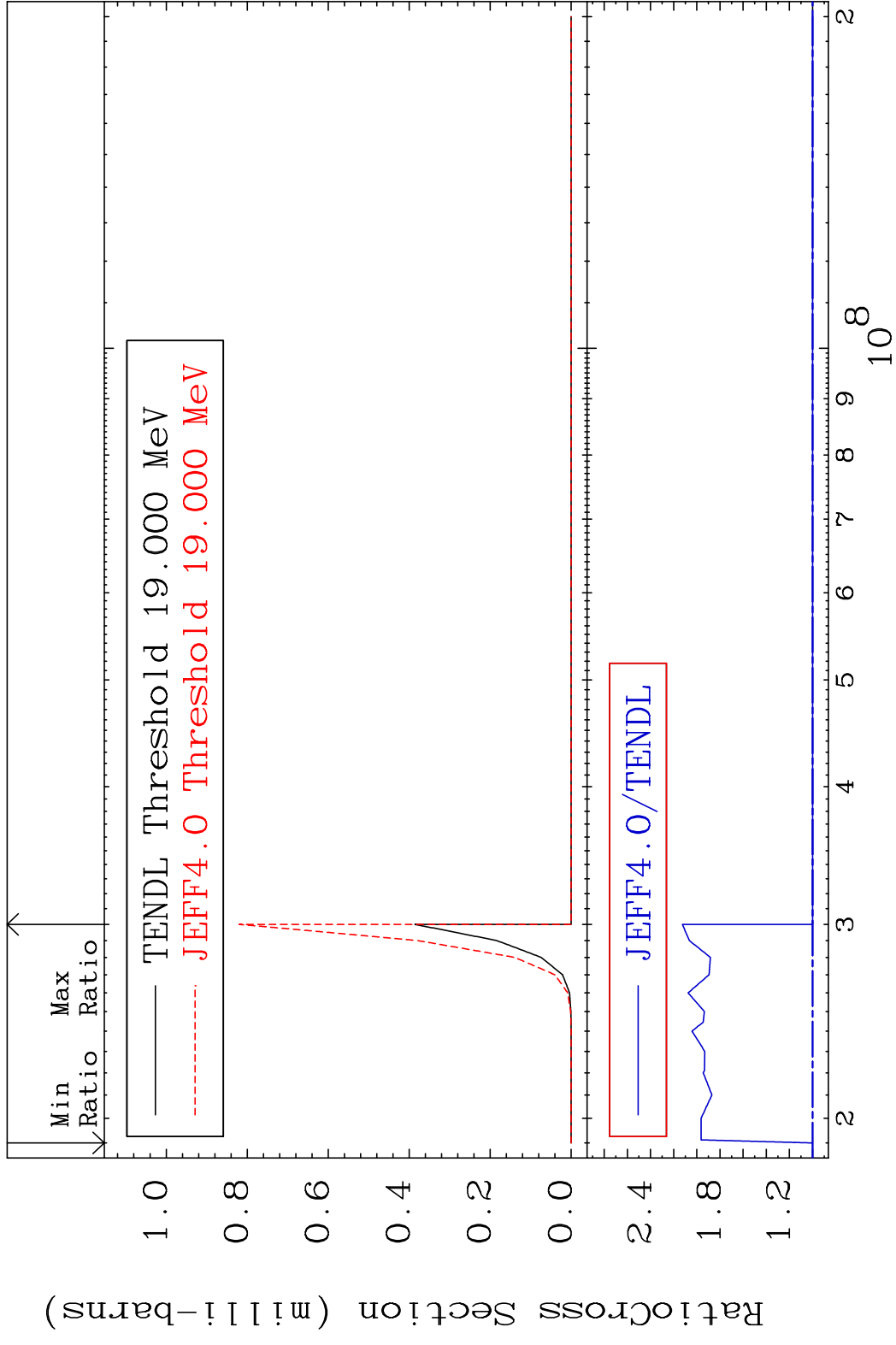


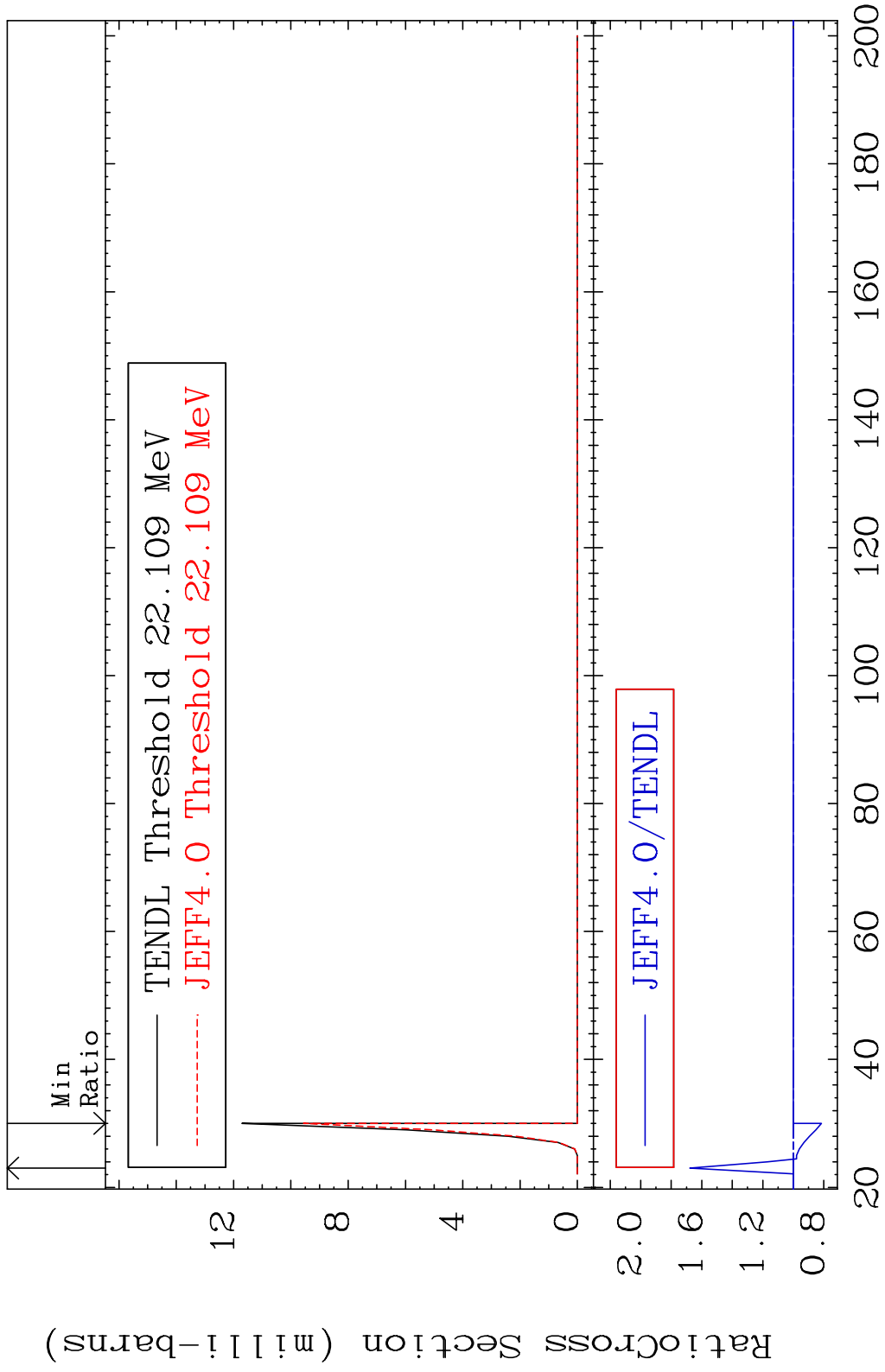
MAT 4125 (n, n') t:40-Zr-90g 41-Nb-93
 Radionuclide Production Cross Section 0.000 %

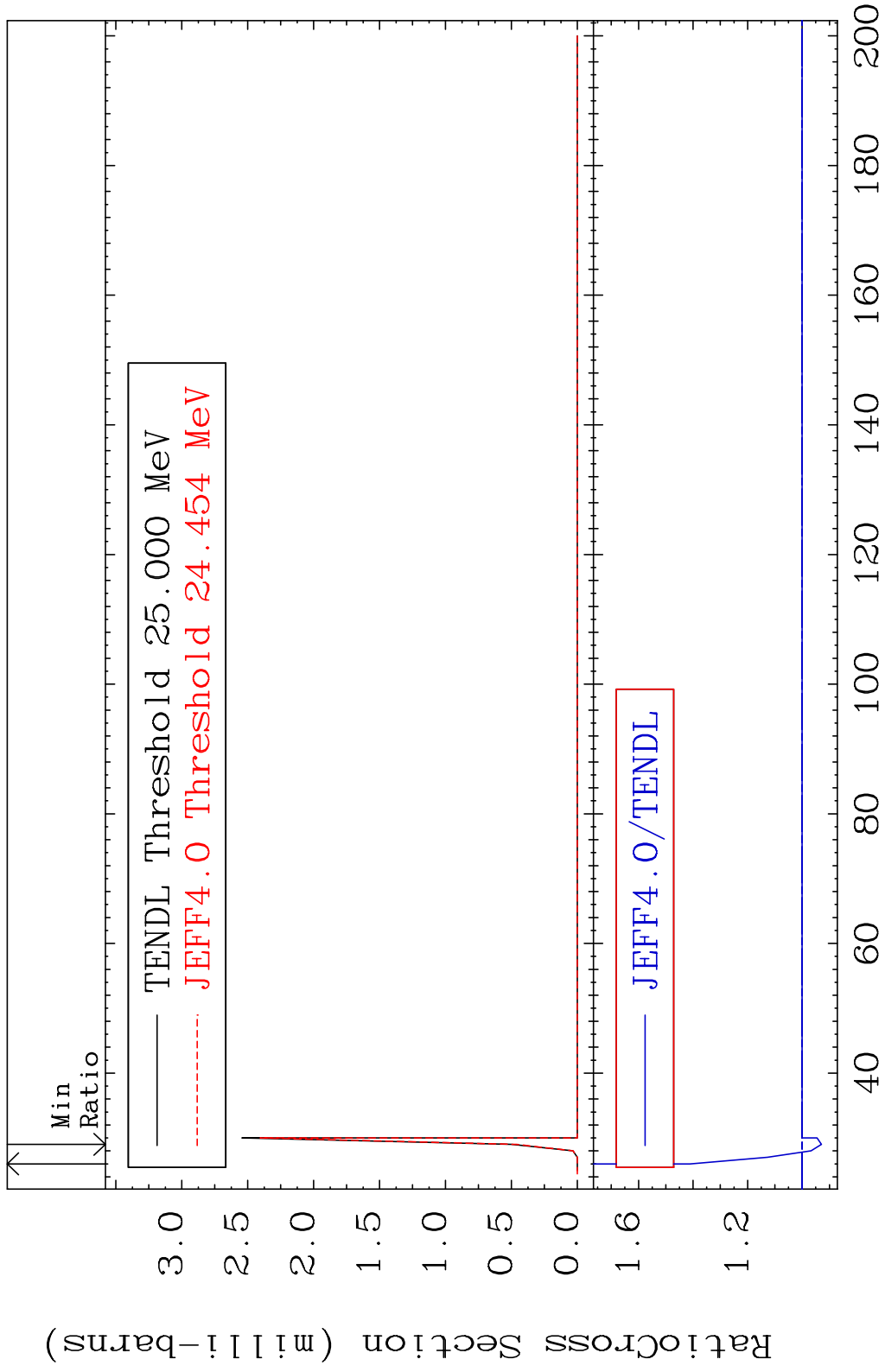


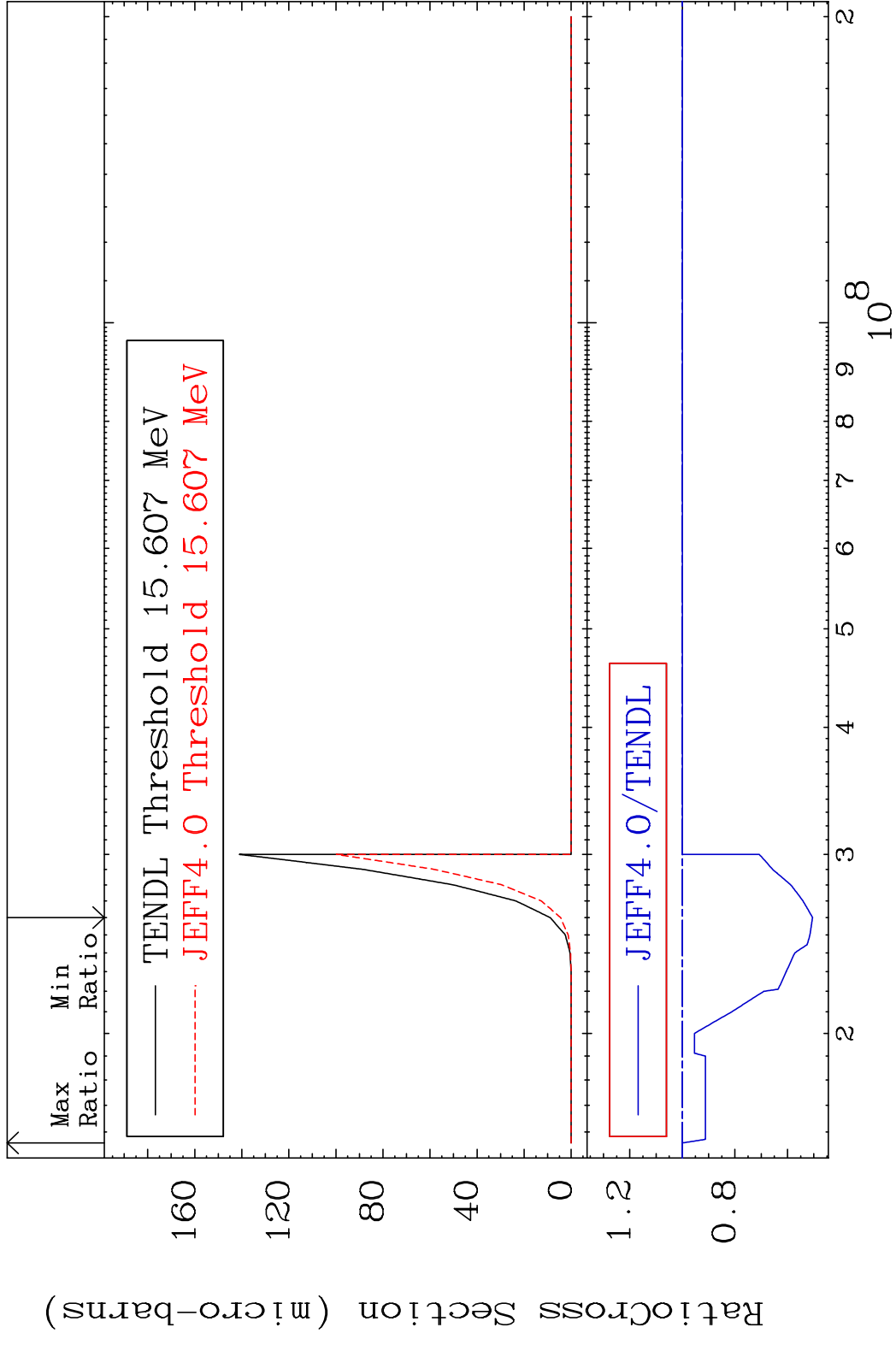




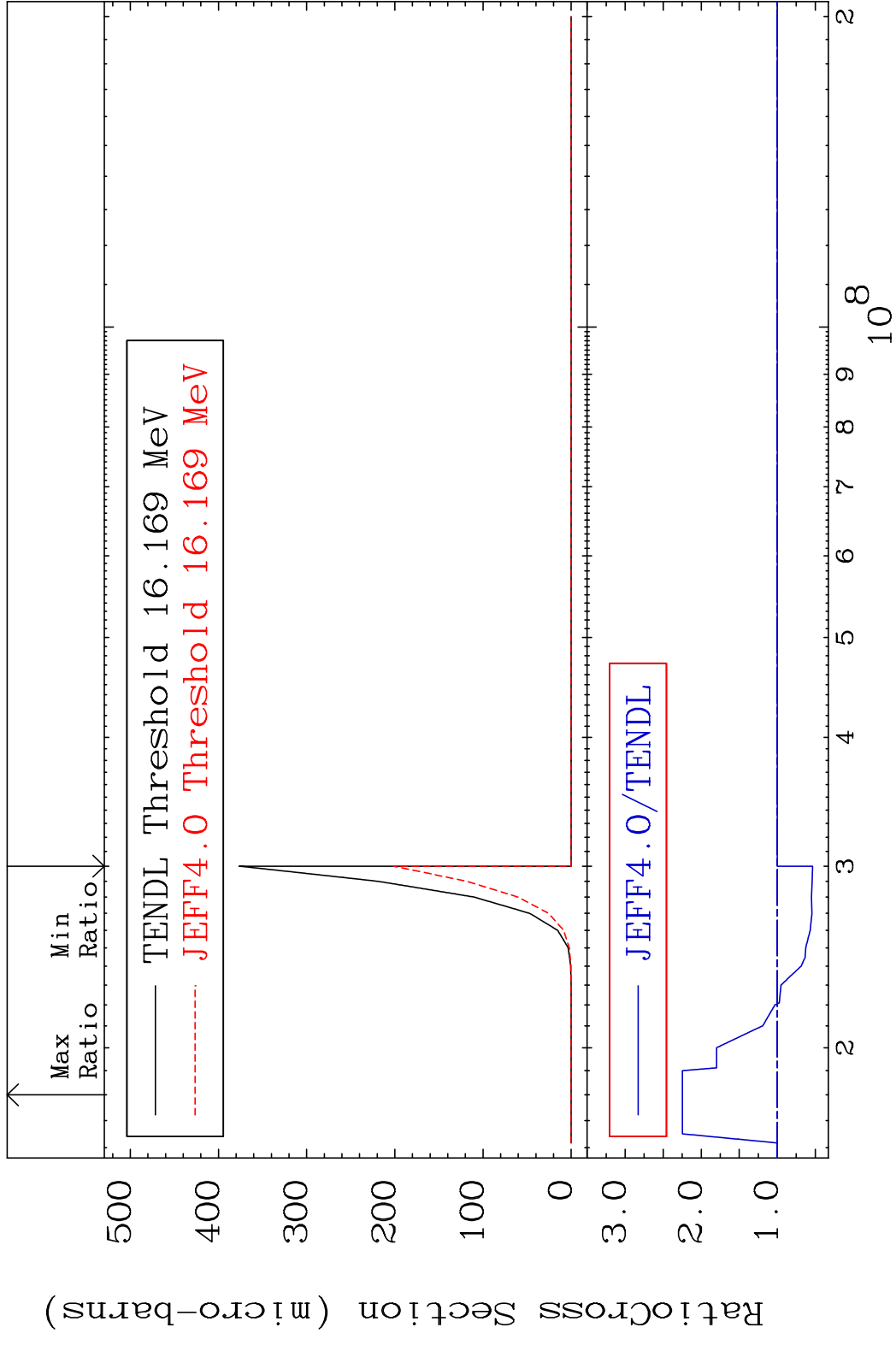


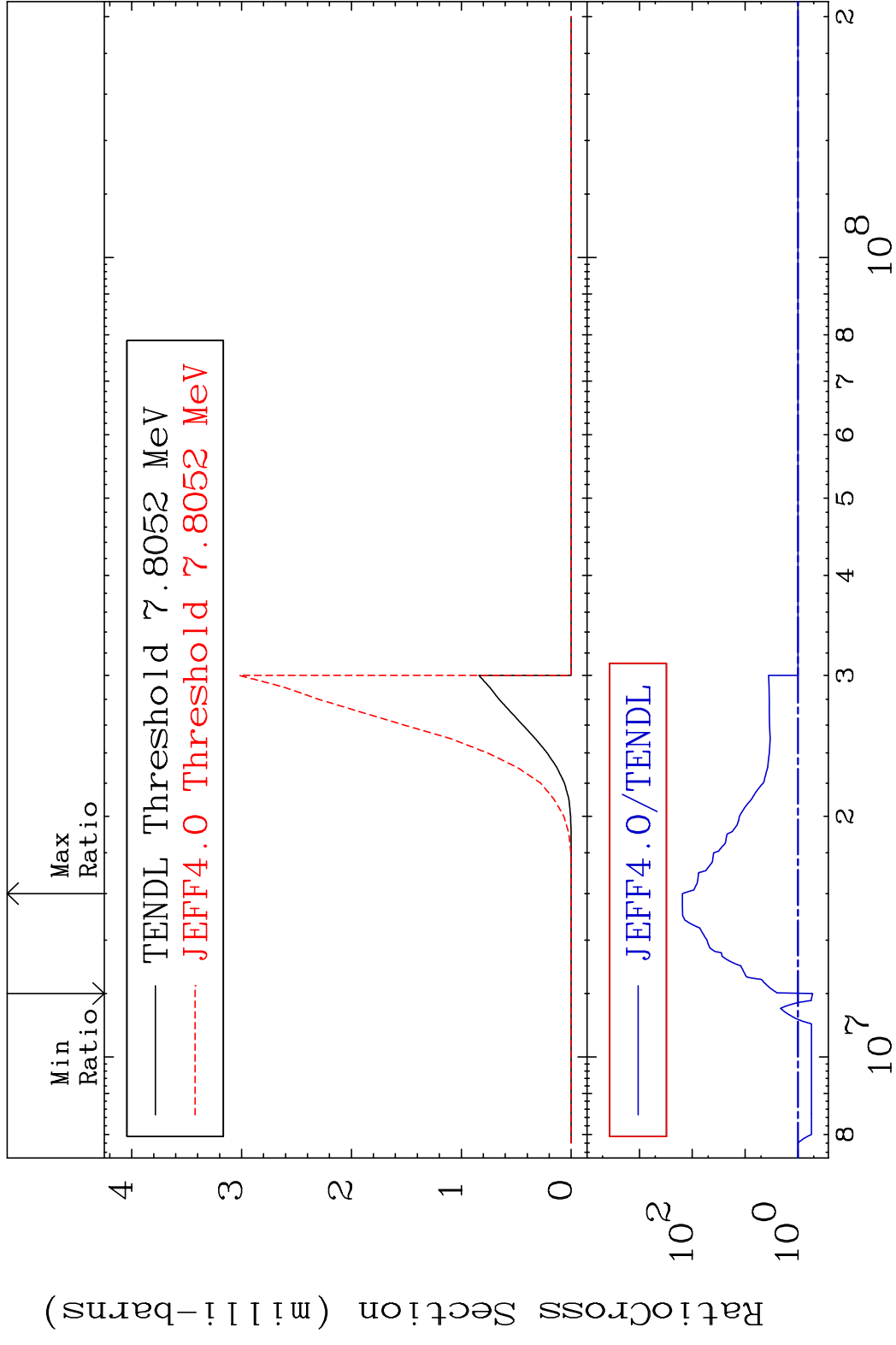


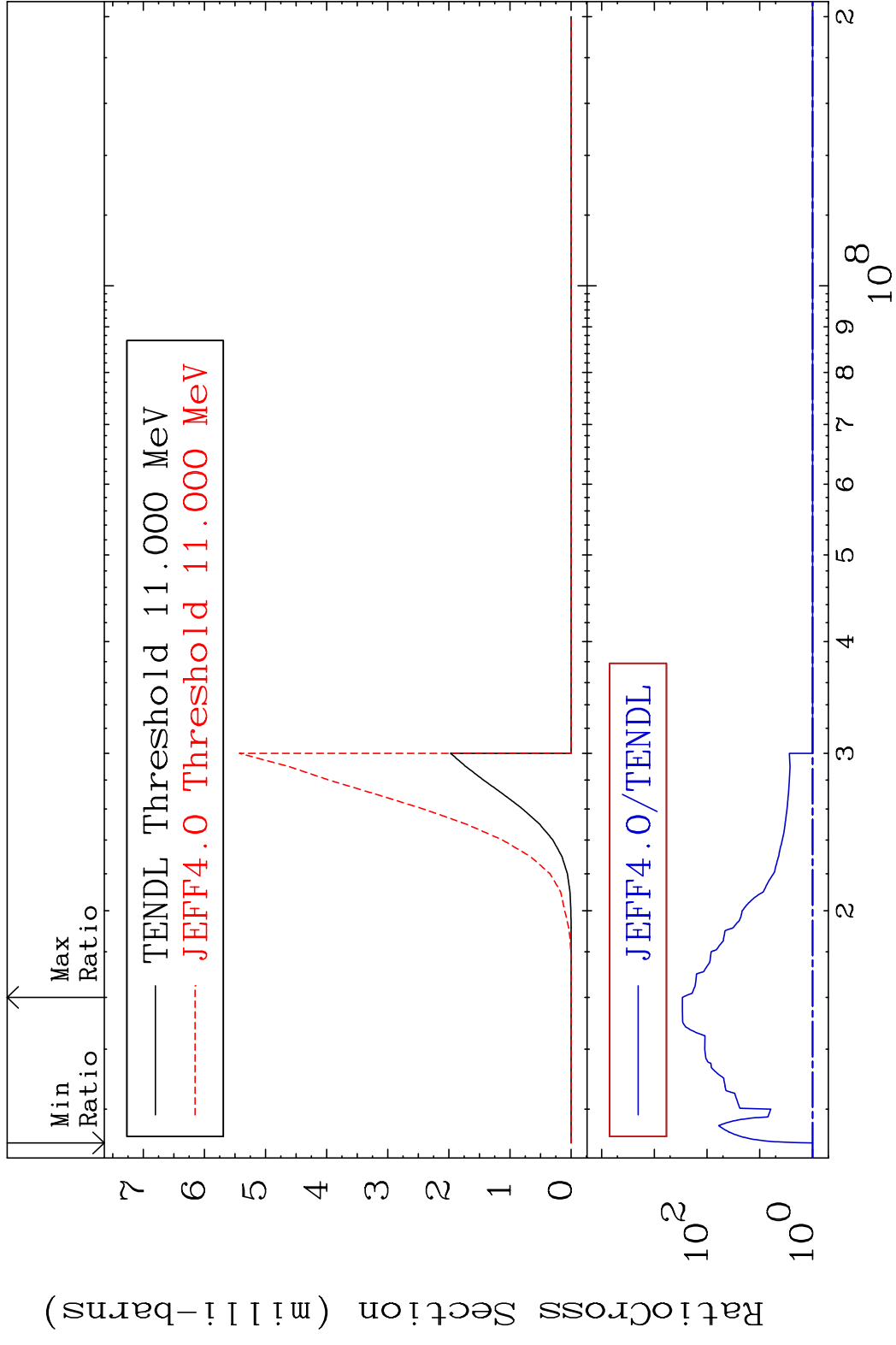




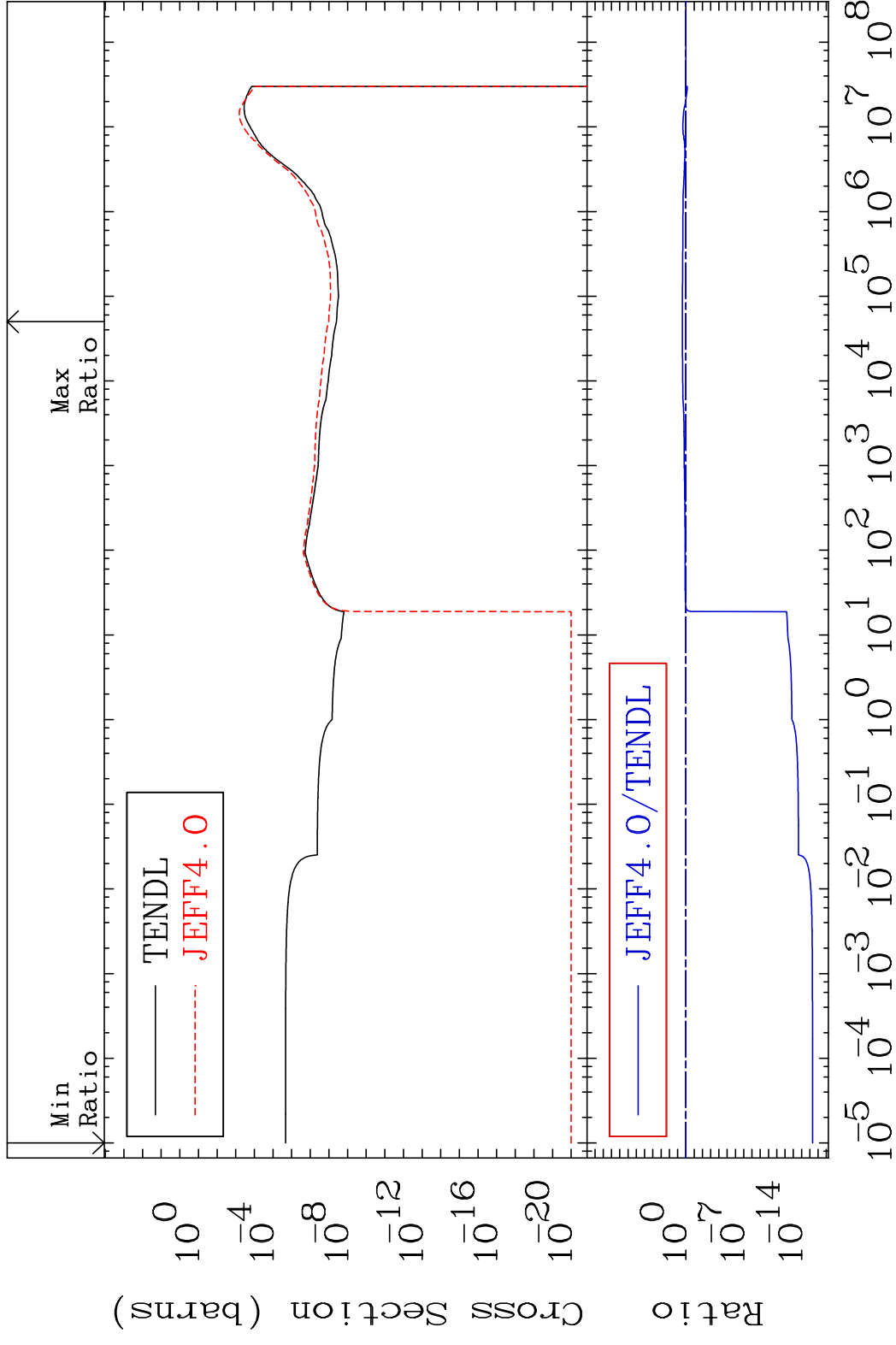
MAT 4125 (n,2n) p:39-Y -91m1 41-Nb-93
 Radionuclide Production Cross Section 48sec 42.1to 124.8 %



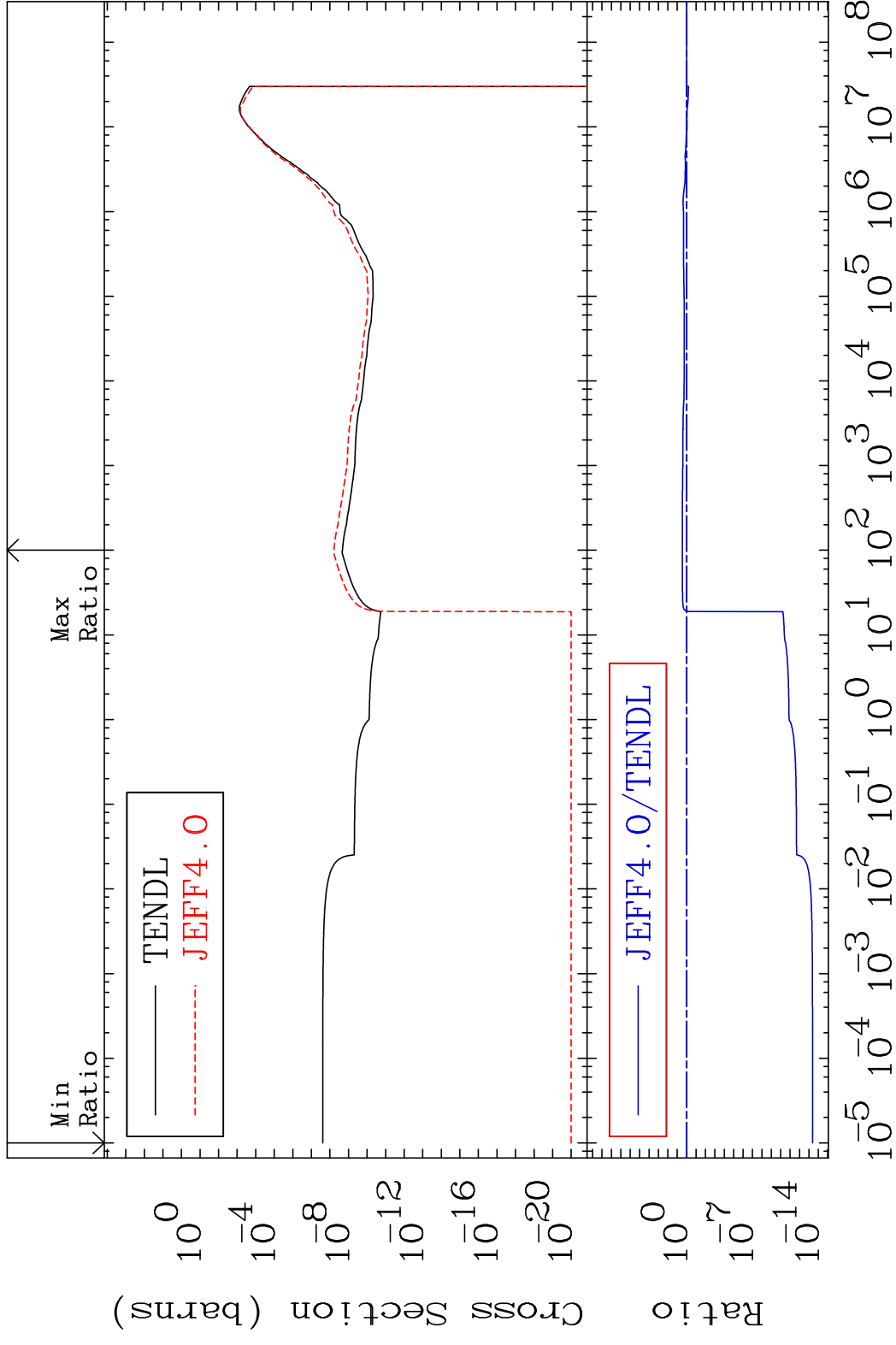


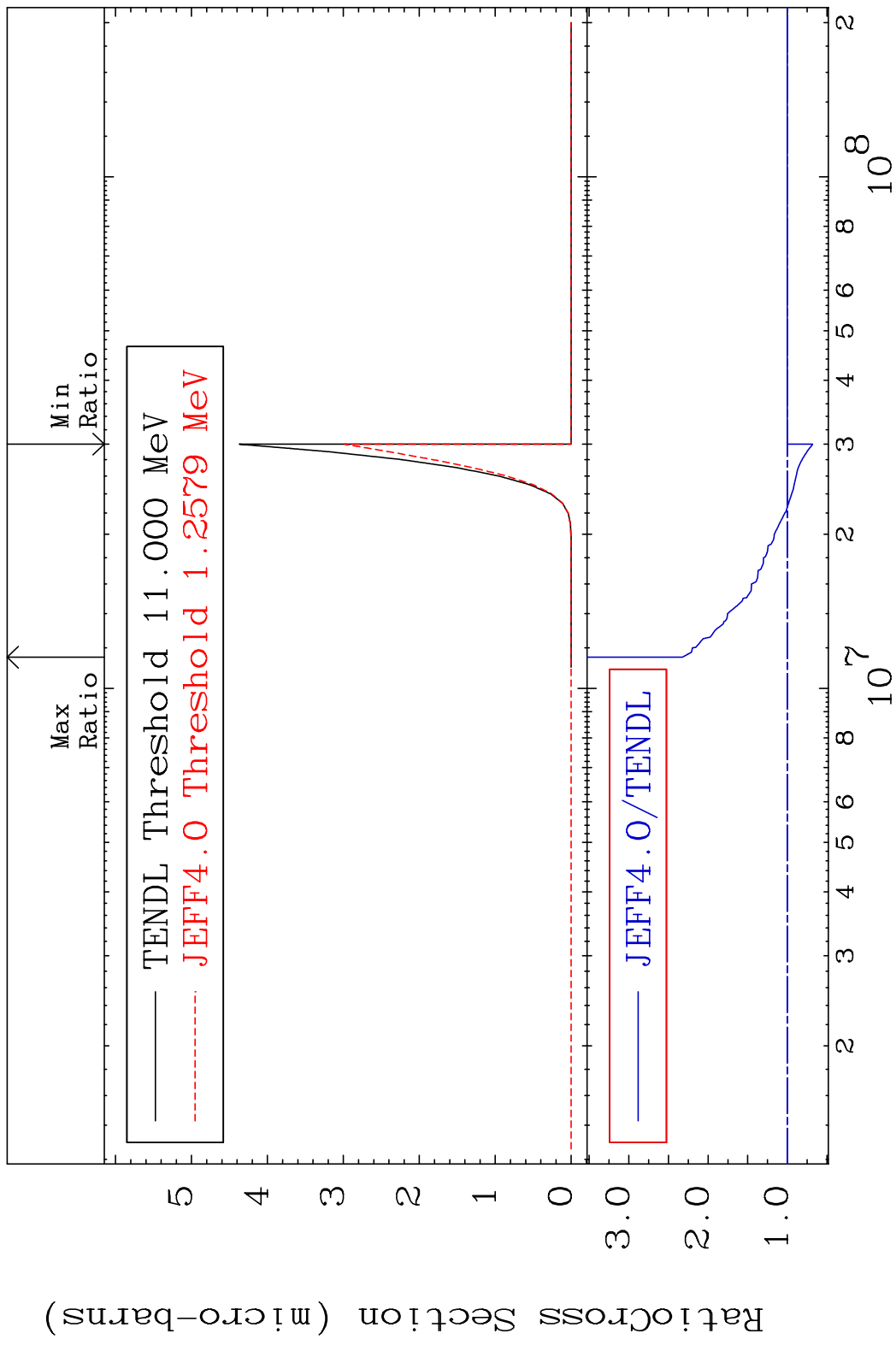


MAT 4125 (n, α):39-Y -90g 41-Nb-93
 Radionuclide Production Cross Section 166.8 %

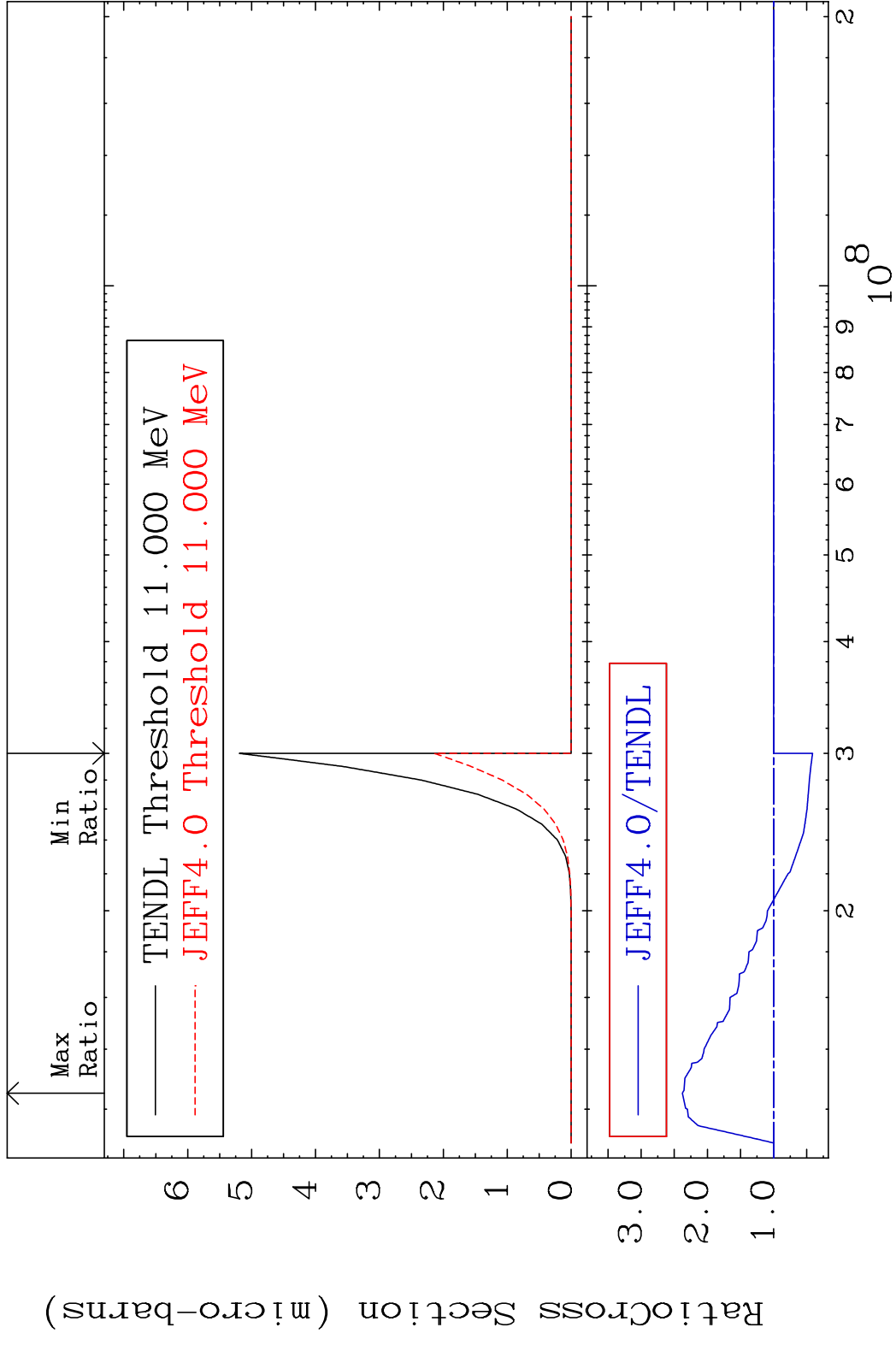


MAT 4125 (n,α):39-Y -90m2 41-Nb-93
 Radionuclide Production Cross Section 185.5 %





MAT 4125 (n,2α):37-Rb-86m2 41-Nb-93
 Radionuclide Production Cross Section 58.678 mb 137.8 %



100 Incident Energy (eV) 41-Nb-93

