

Program Complot
(Version 2021-1)

by

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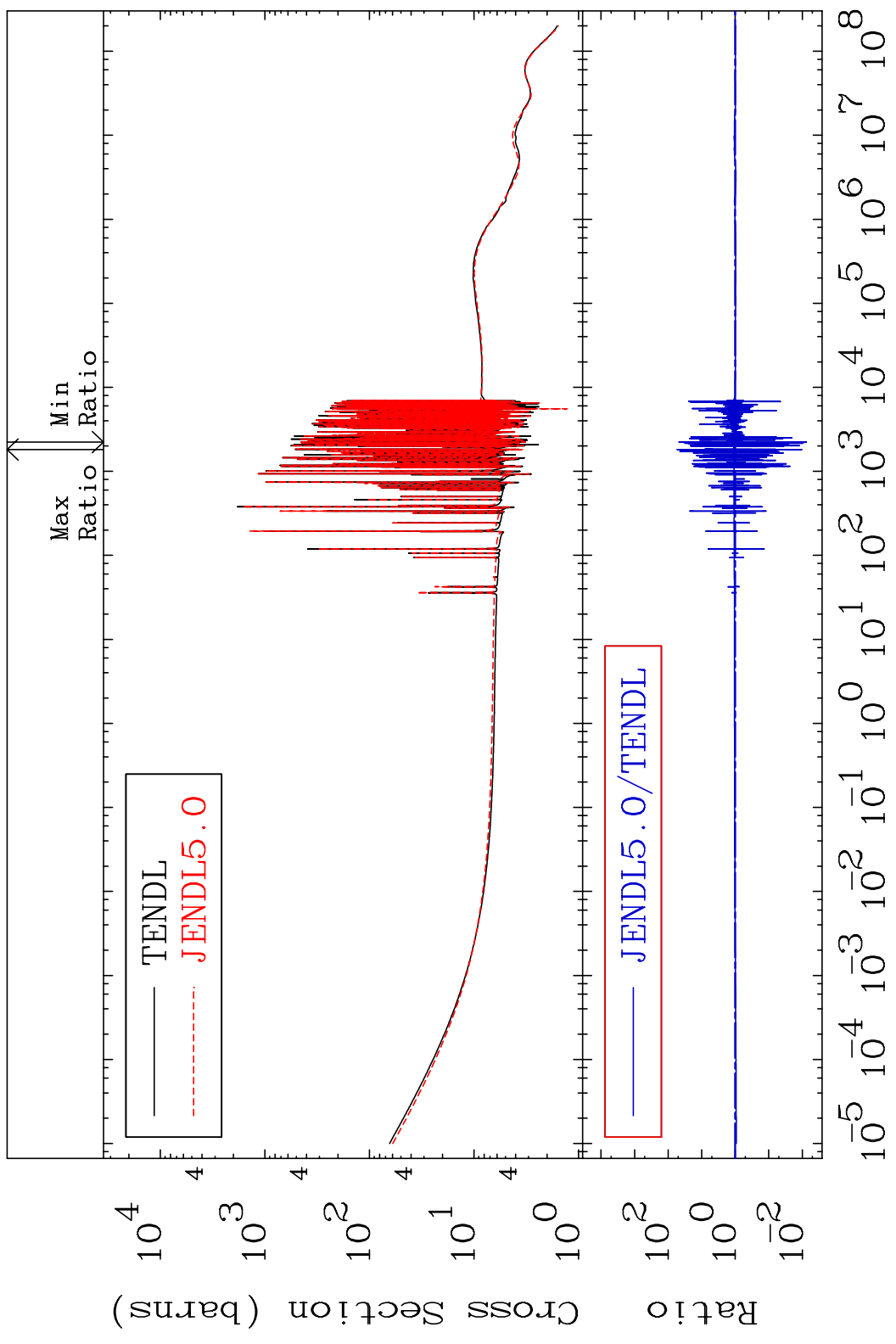
Press Mouse Button to Start

MAT 4125

Total

41-Nb-93

Cross Section -99.24 To 5266. %



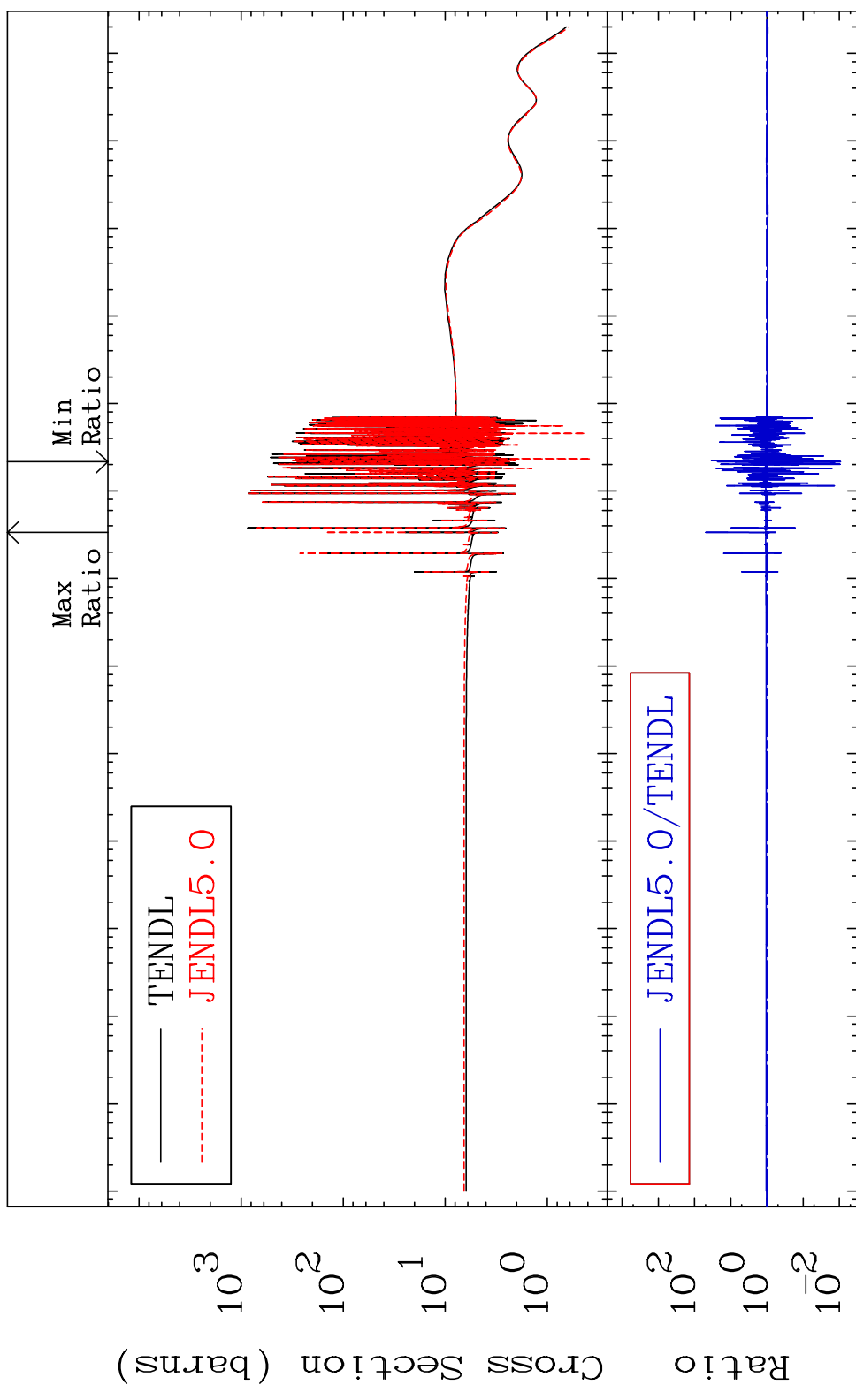
1

Incident Energy (eV)

41-Nb-93

MAT 4125

Elastic Cross Section -99.06 To 4804. %
41-Nb-93



2

Incident Energy (eV)

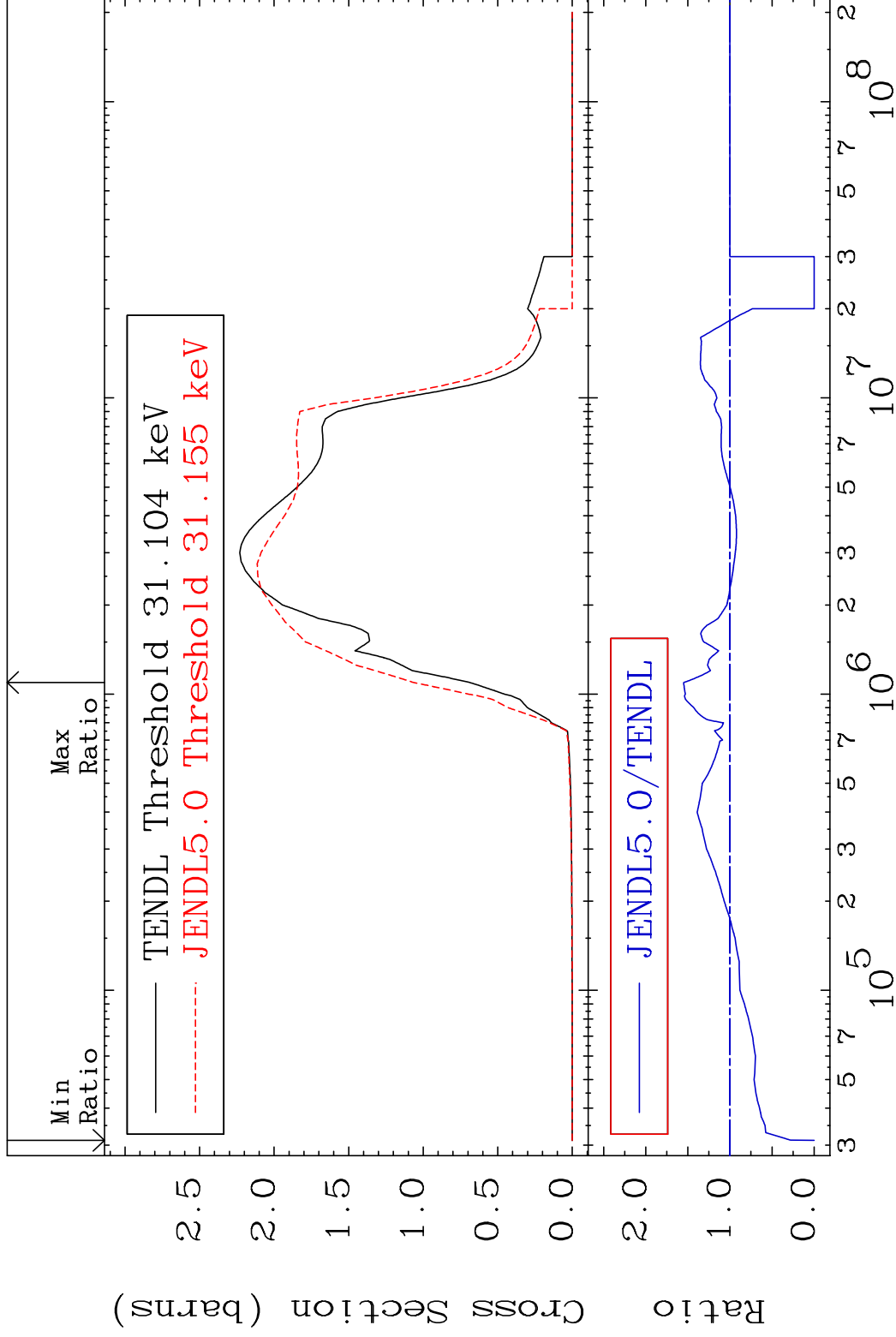
41-Nb-93

MAT 4125

Inelastic

41-Nb-93

Cross Section -100.0 To 54.98 %

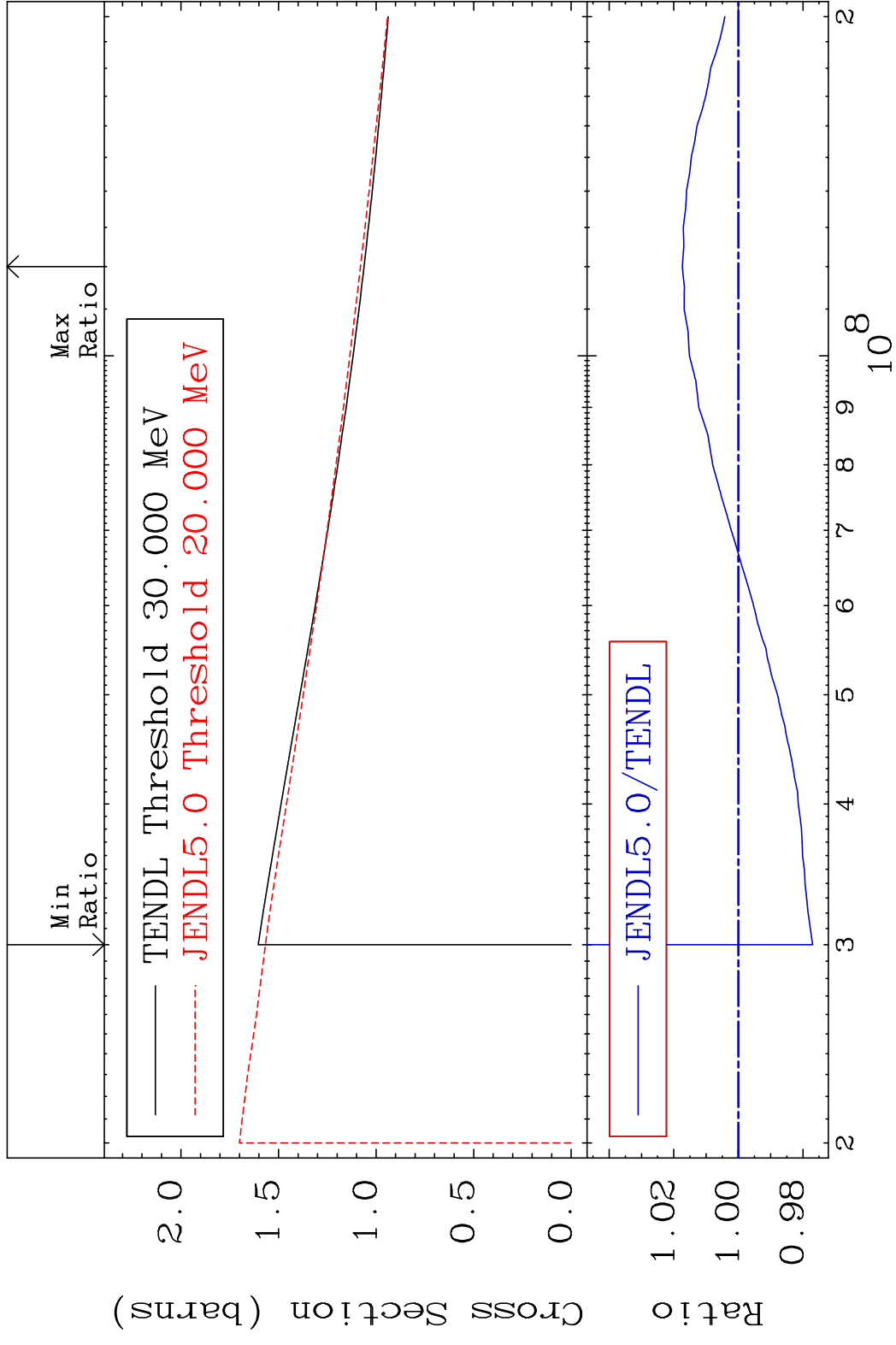


3

Incident Energy (eV)

41-Nb-93

MAT 4125 (n, remainder) 41-Nb-93
 Cross Section -2.298 To 1.734 %



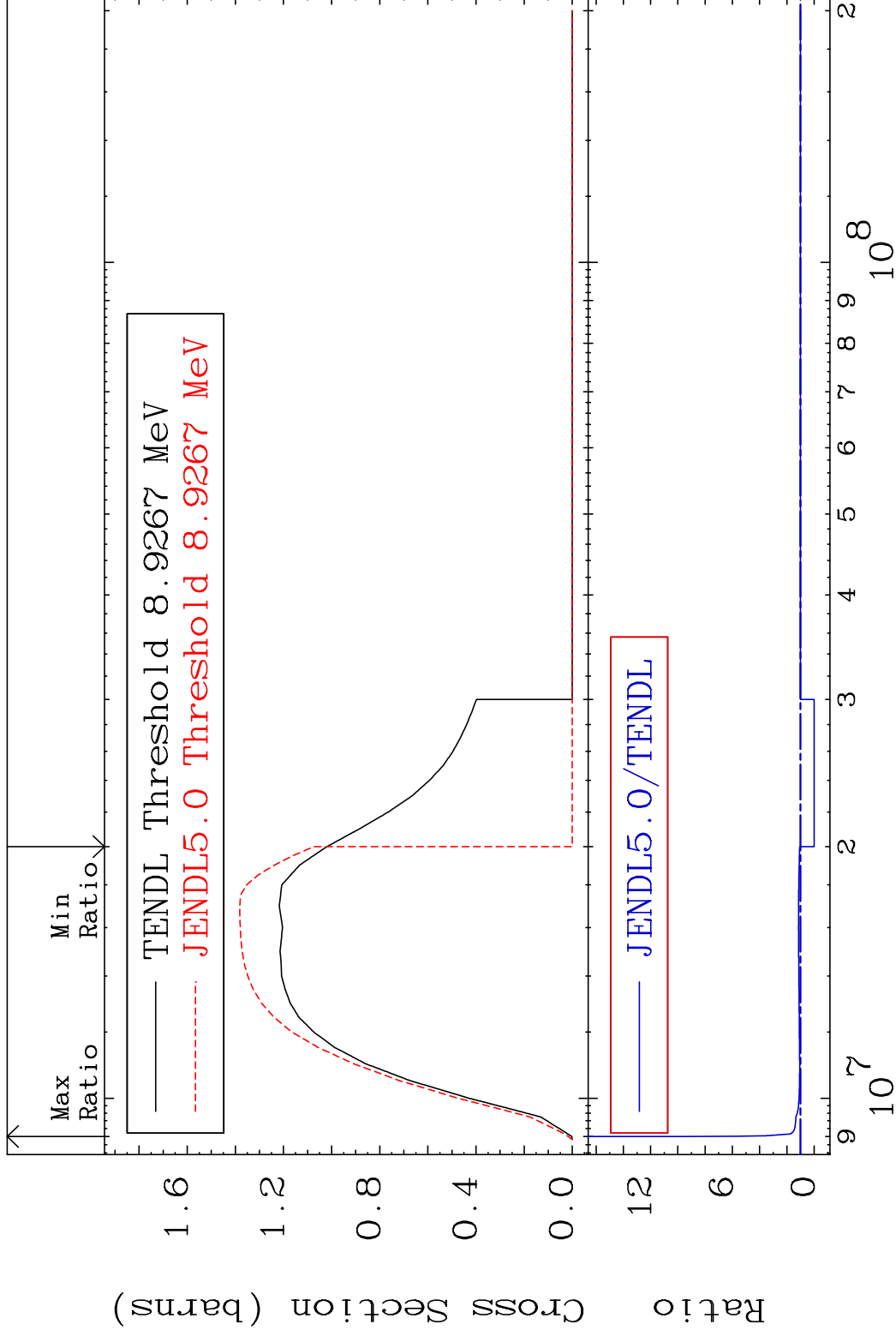
4 Incident Energy (eV) 41-Nb-93

MAT 4125

(n,2n)

41-Nb-93

Cross Section -100.0 To 857.4 %



5

Incident Energy (eV)

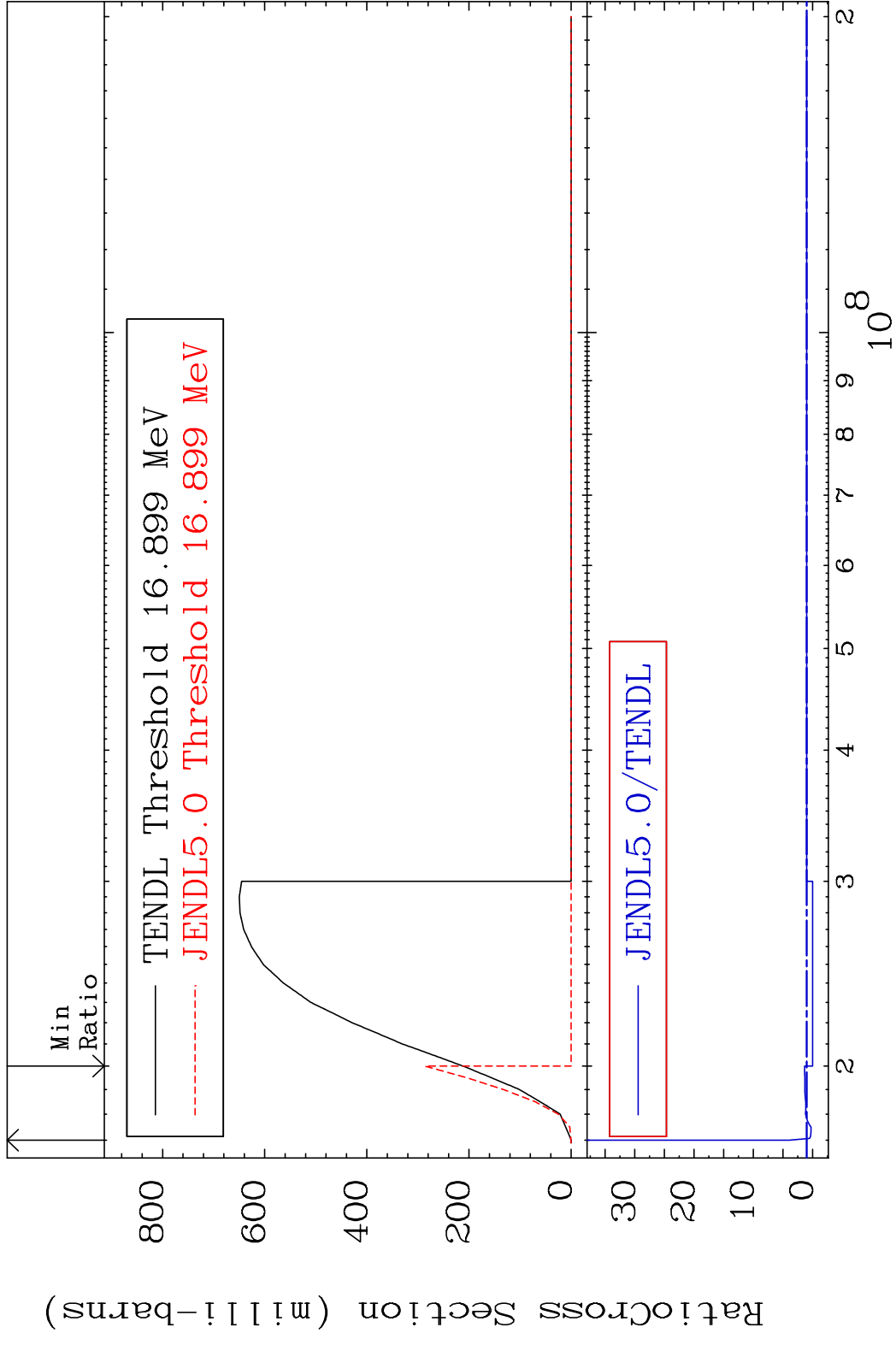
41-Nb-93

MAT 4125

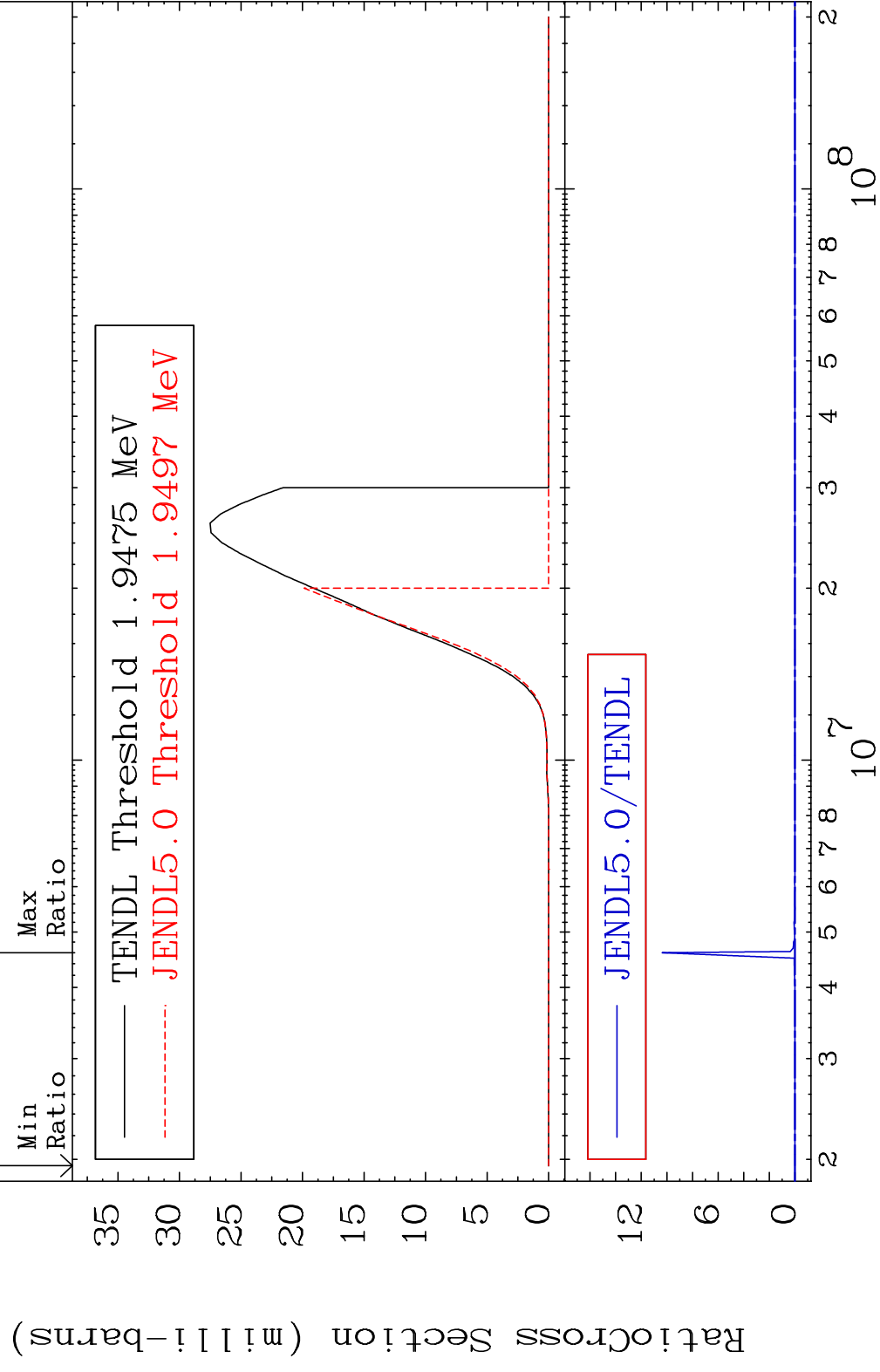
(n,3n)

41-Nb-93

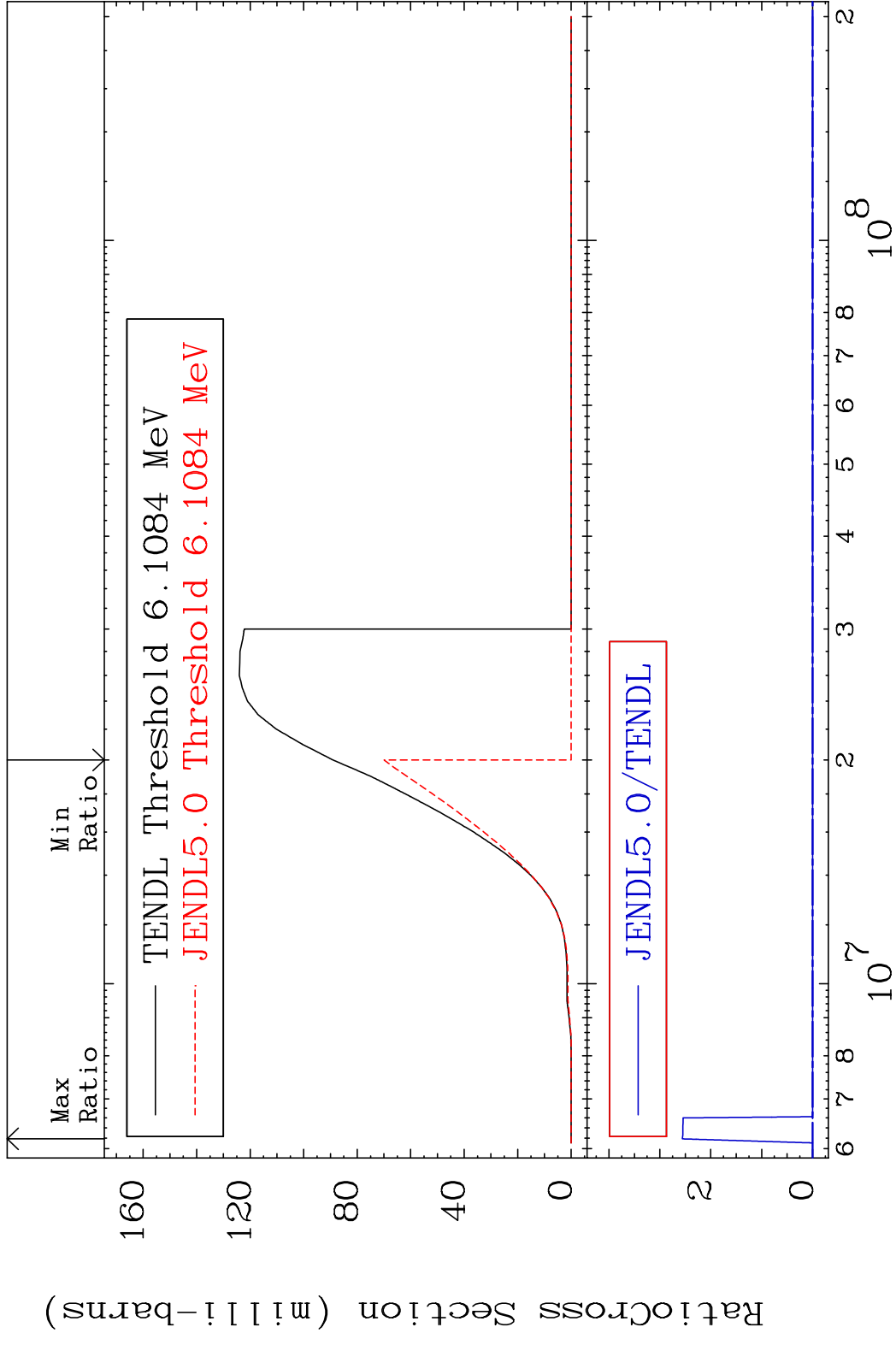
Cross Section -100.0 To 2096. %



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. %



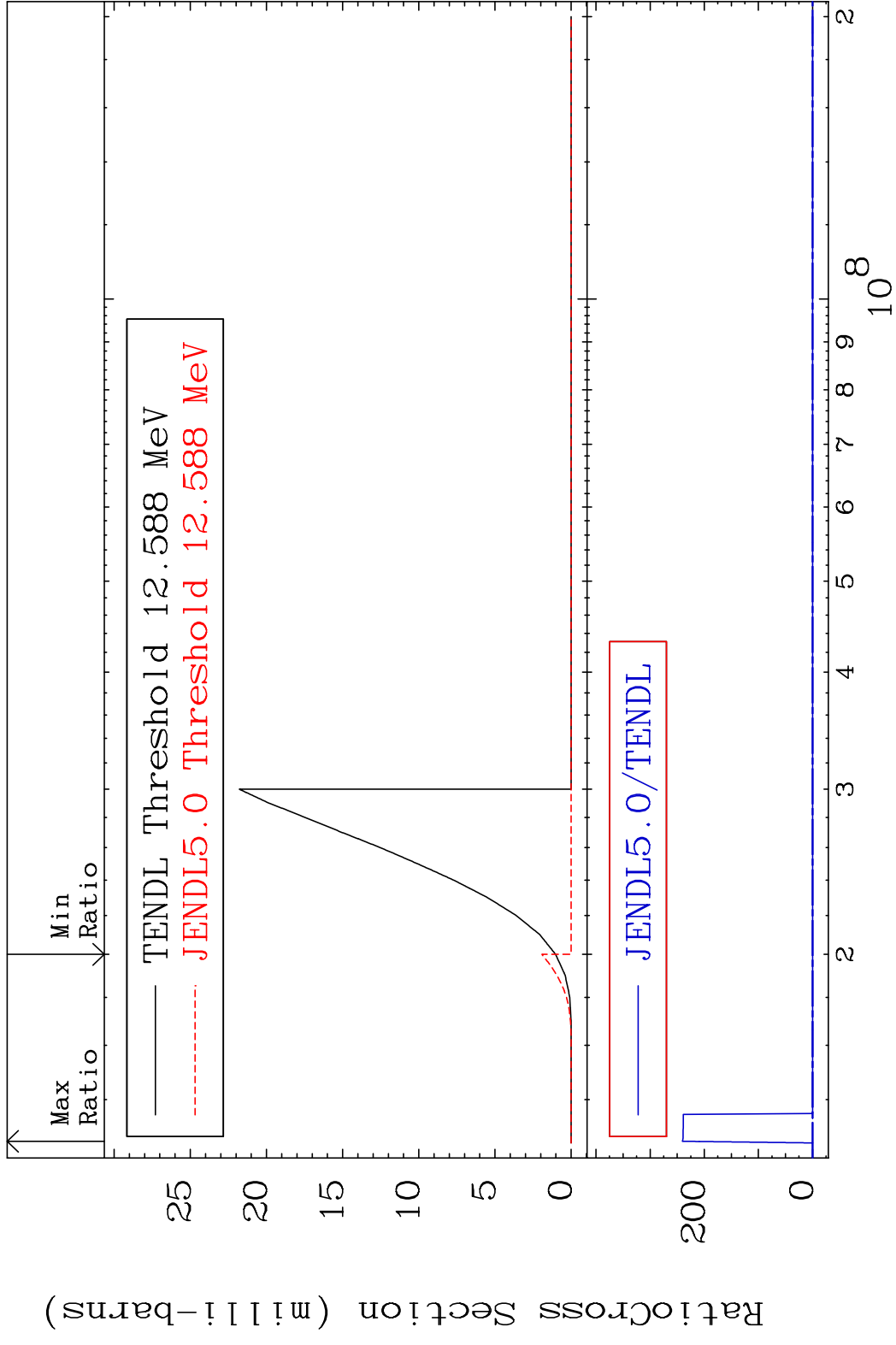
8 8 41-Nb-93

MAT 4125

(n, n') d

41-Nb-93

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

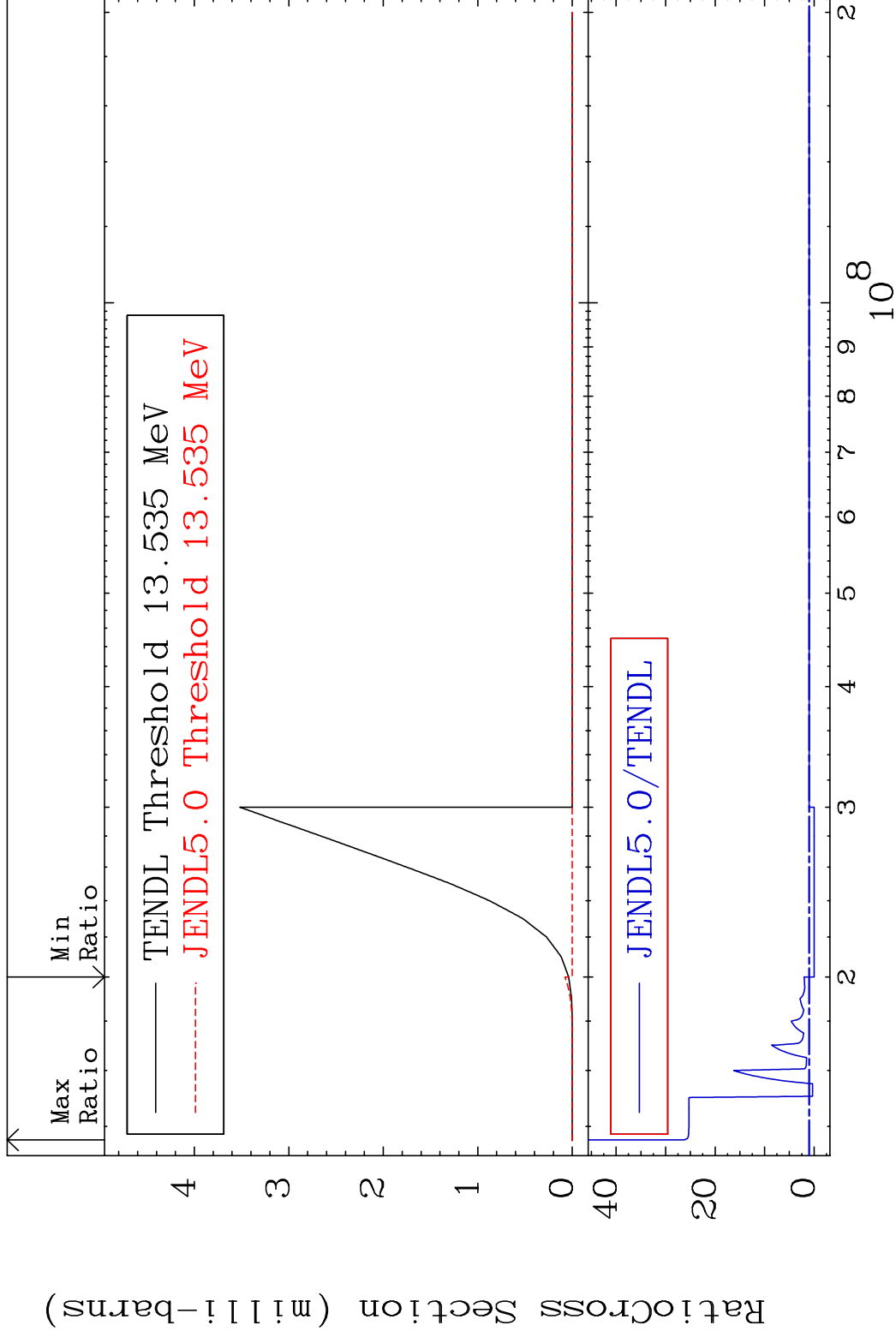
41-Nb-93

MAT 4125

(n, n') t

41-Nb-93

Cross Section -100.0 To 2536. %

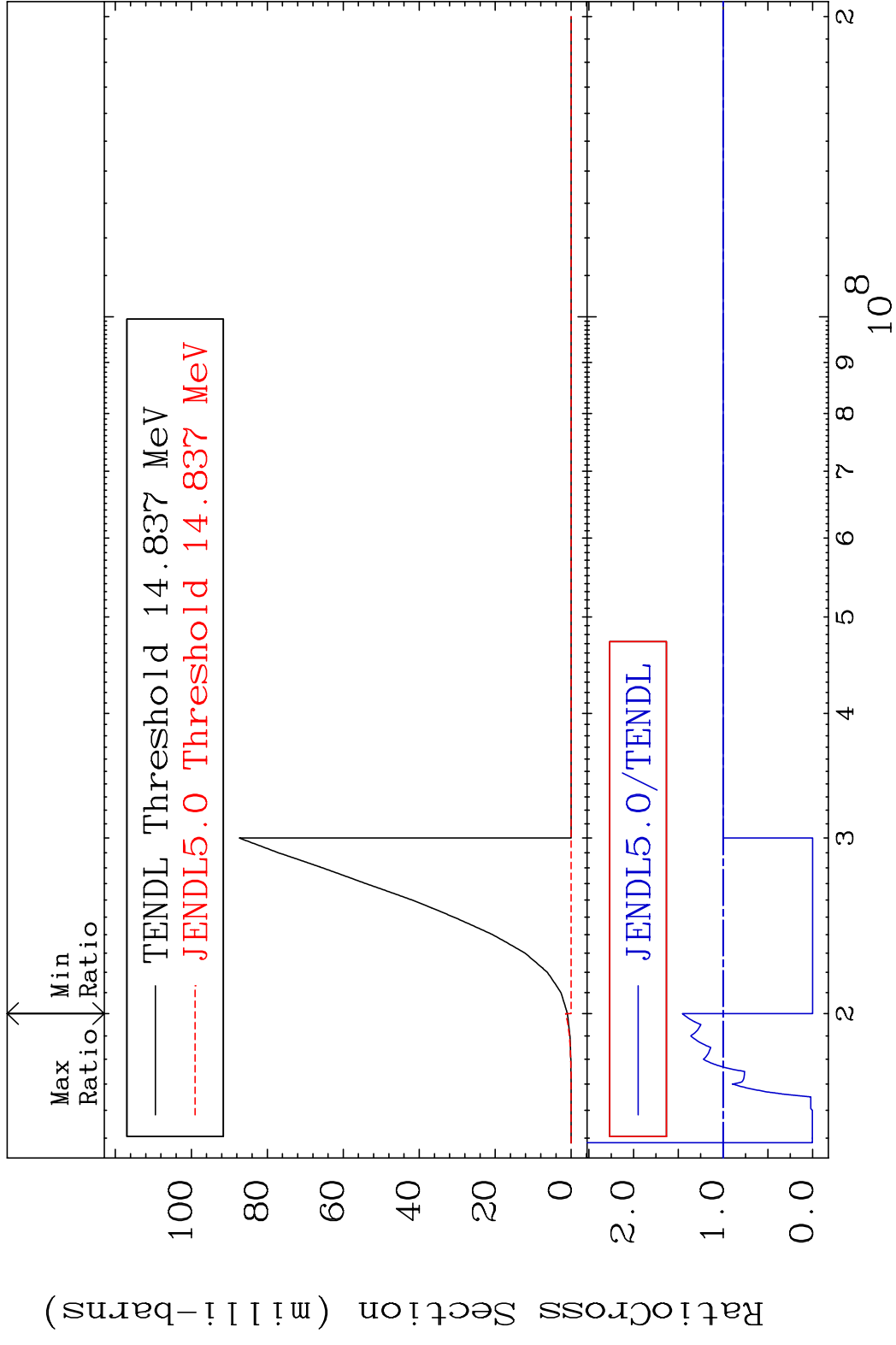


10

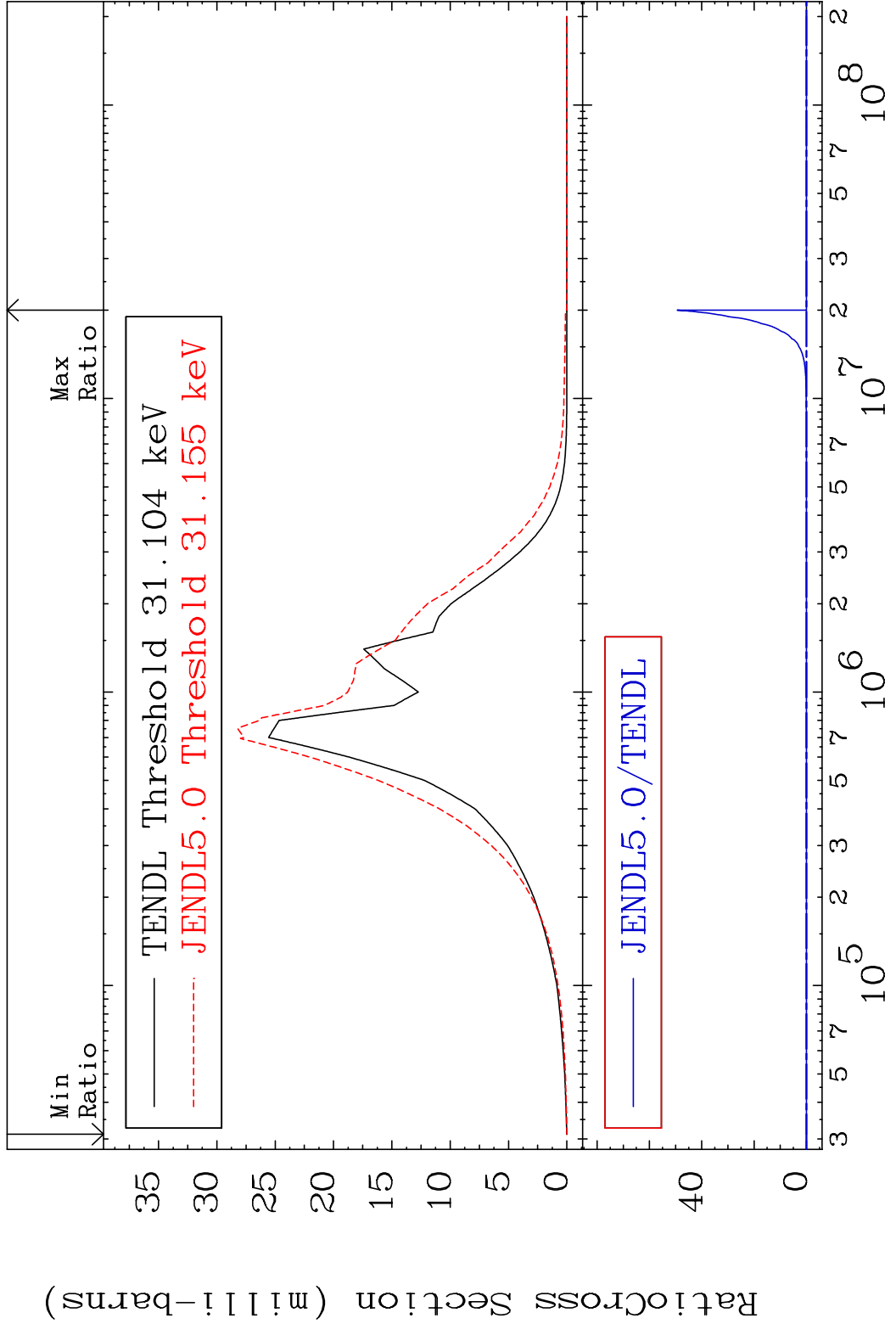
Incident Energy (eV)

41-Nb-93

MAT 4125 (n,2n) p 41-Nb-93
 Cross Section -100.0 To 45.55 %

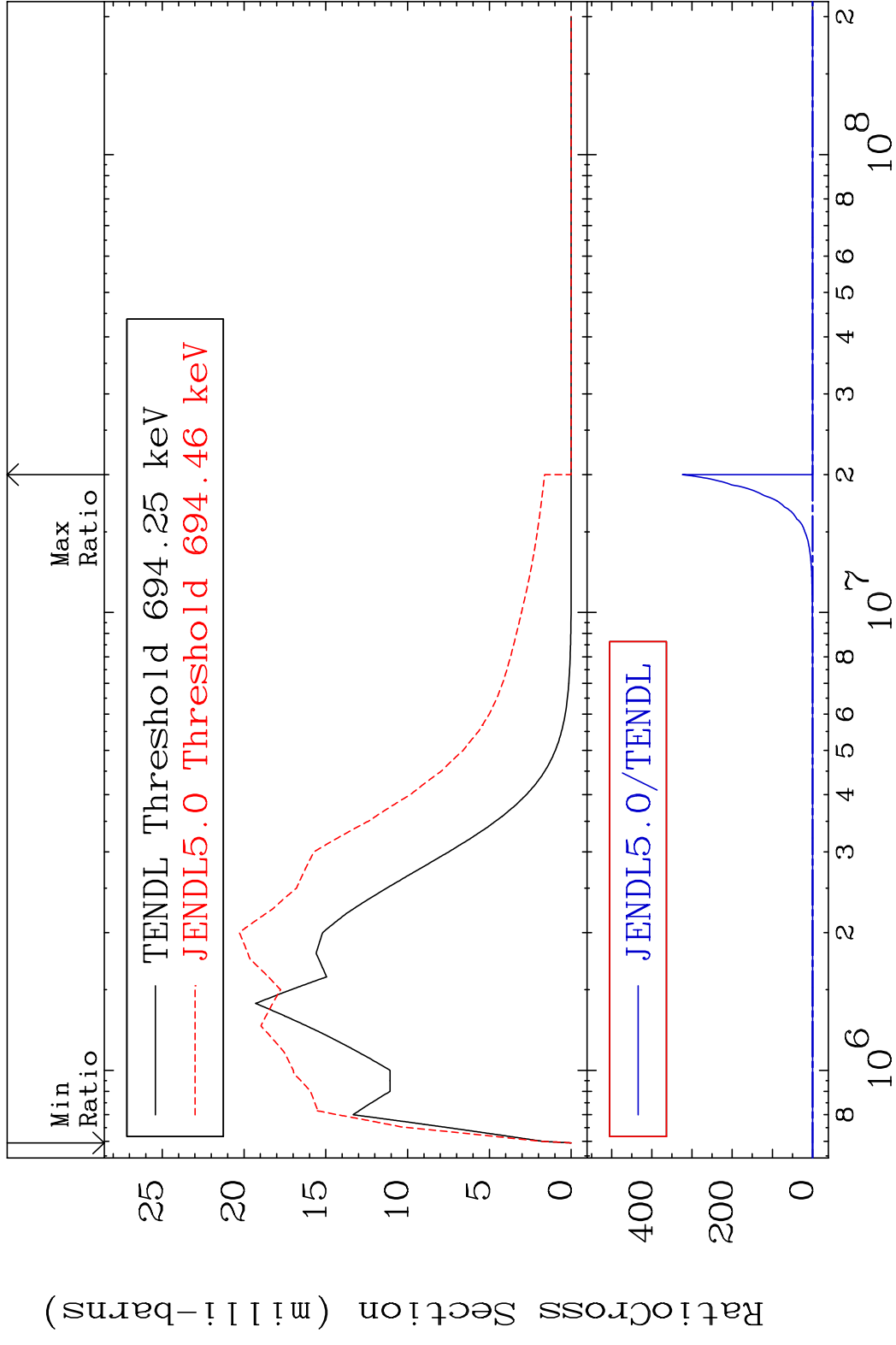


MAT 4125 MT= 51 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 9999. %



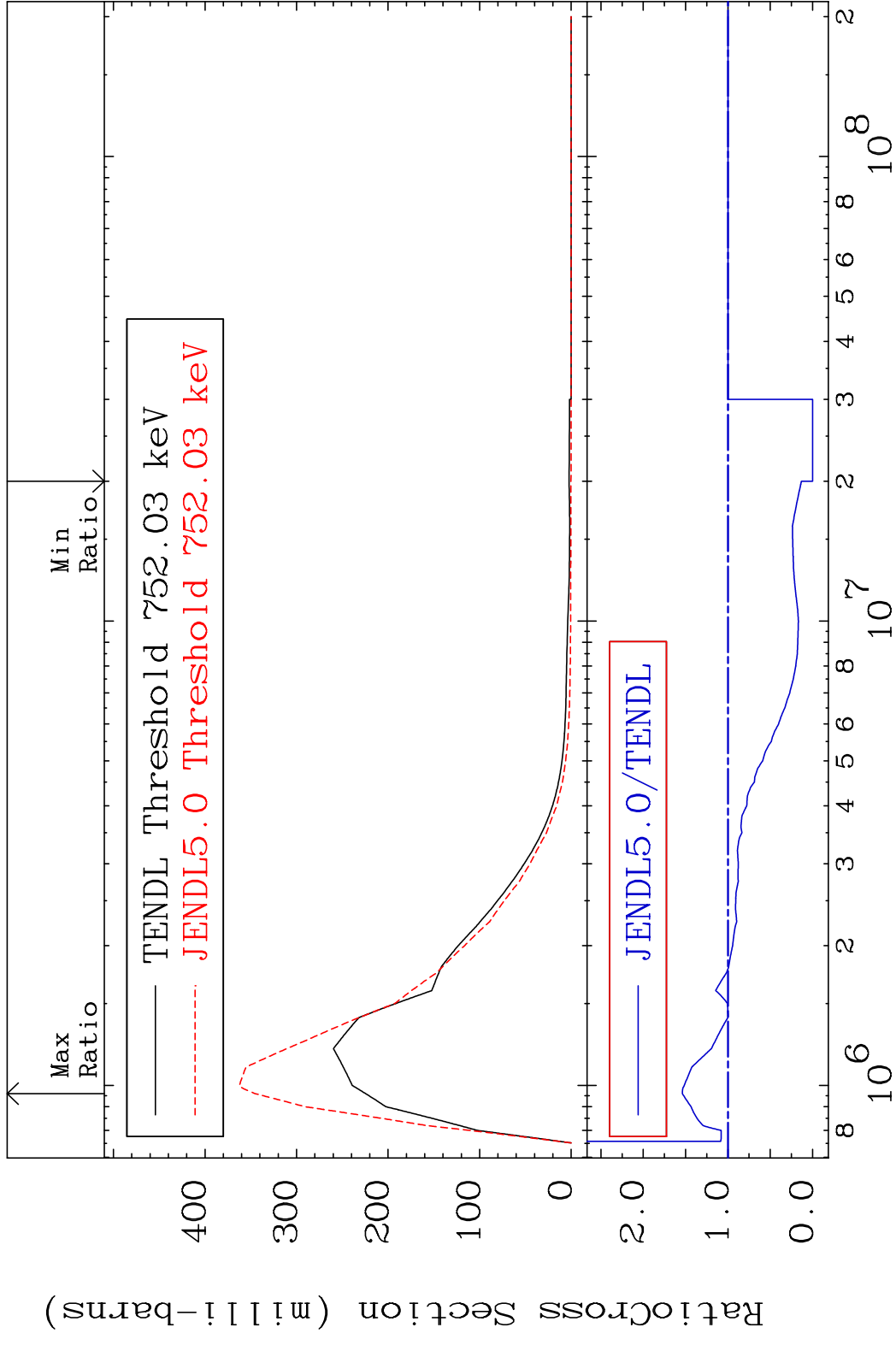
12 41-Nb-93

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

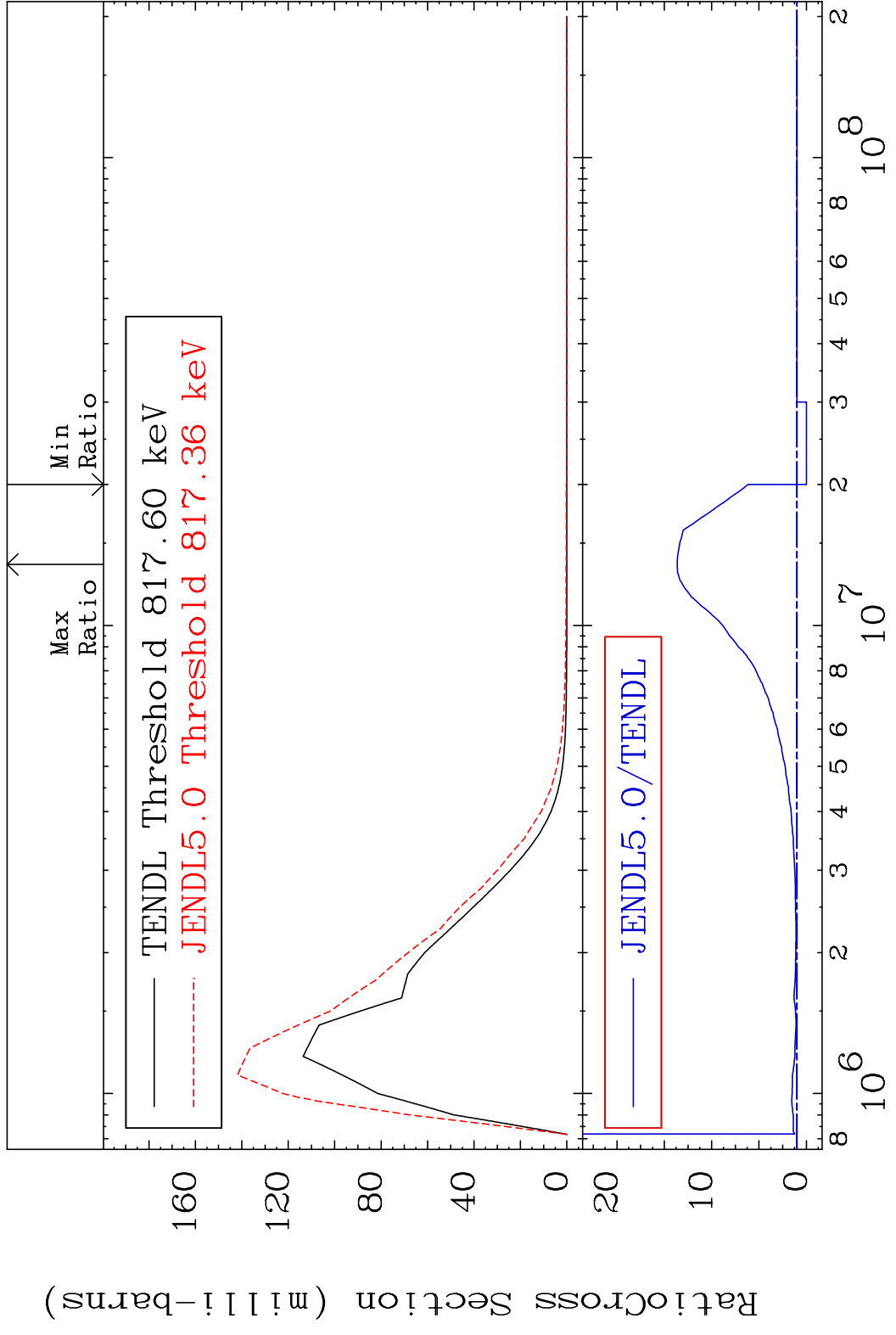


13 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 53 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 53.82 %

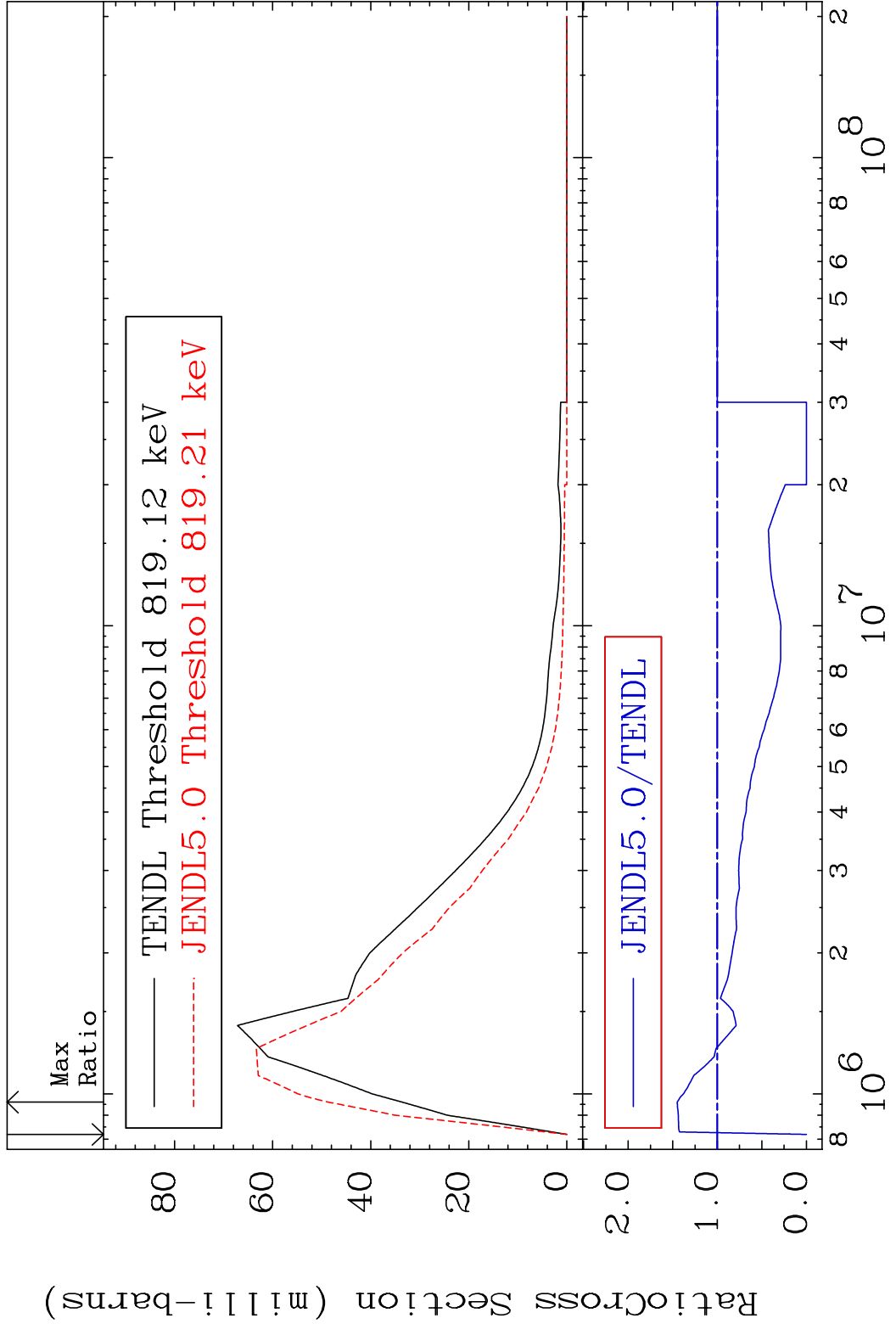


MAT 4125 MT= 54 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 1264. %



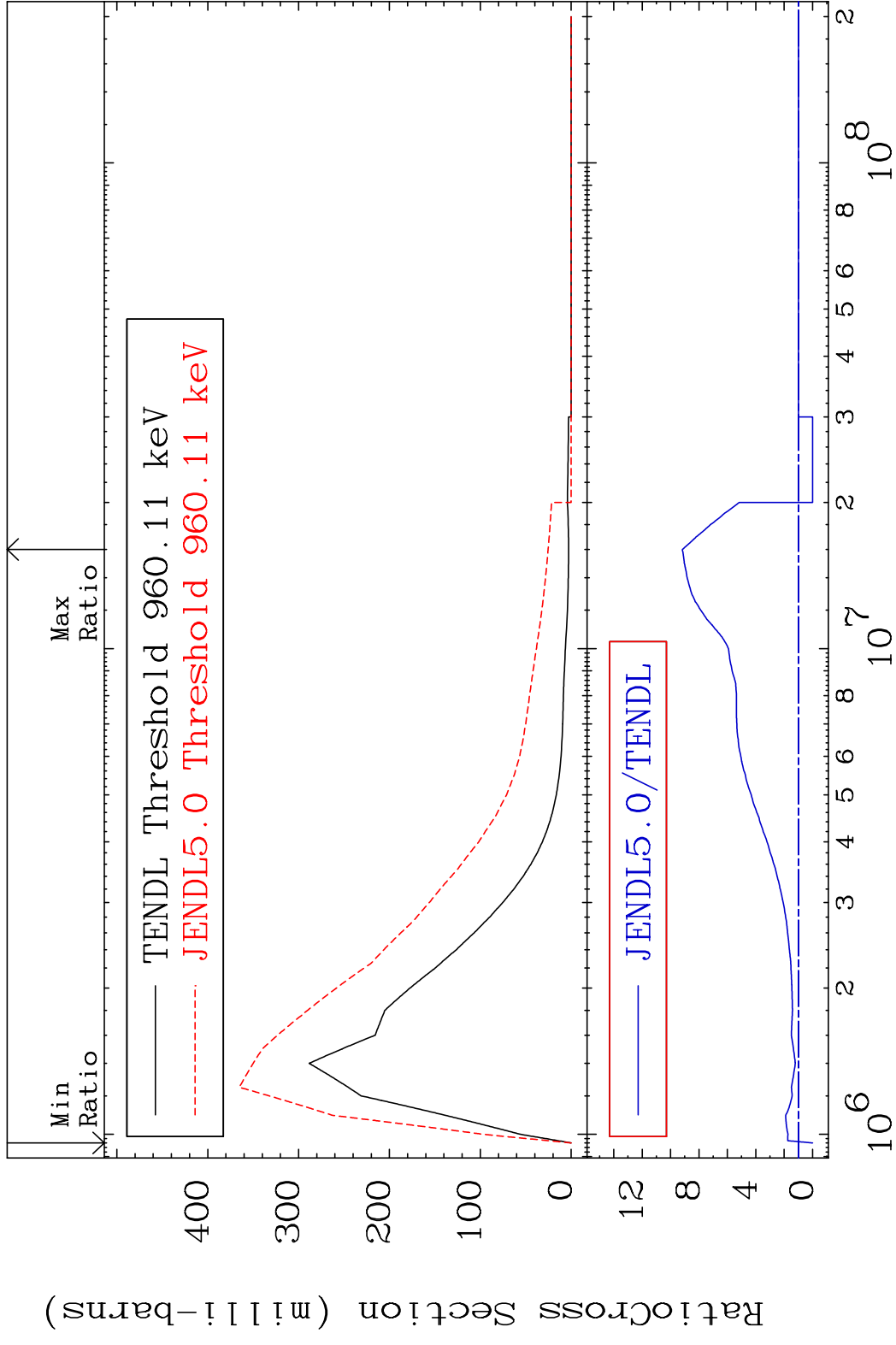
15 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 55 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 45.01 %



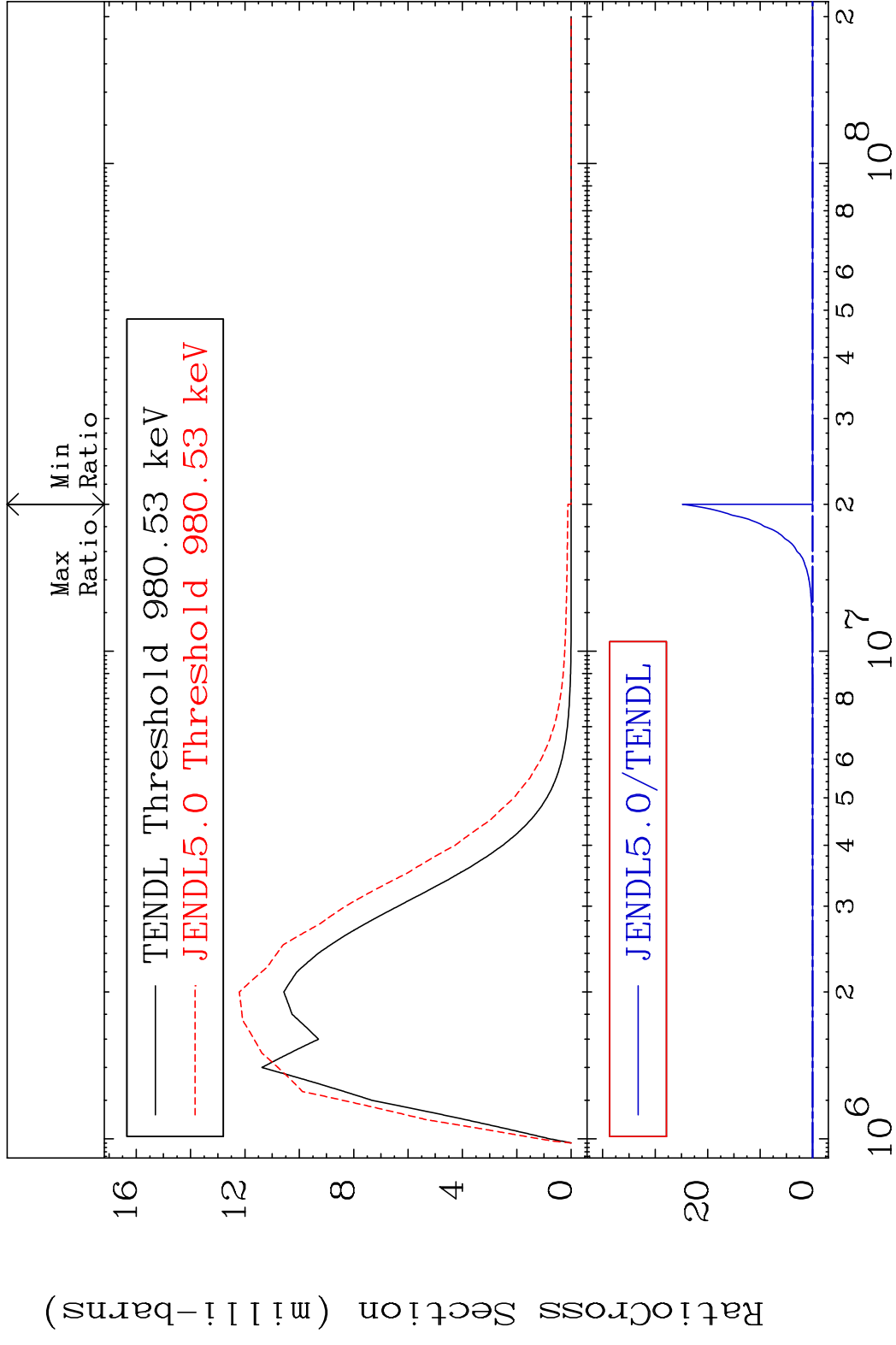
16 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 56 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 816.9 %



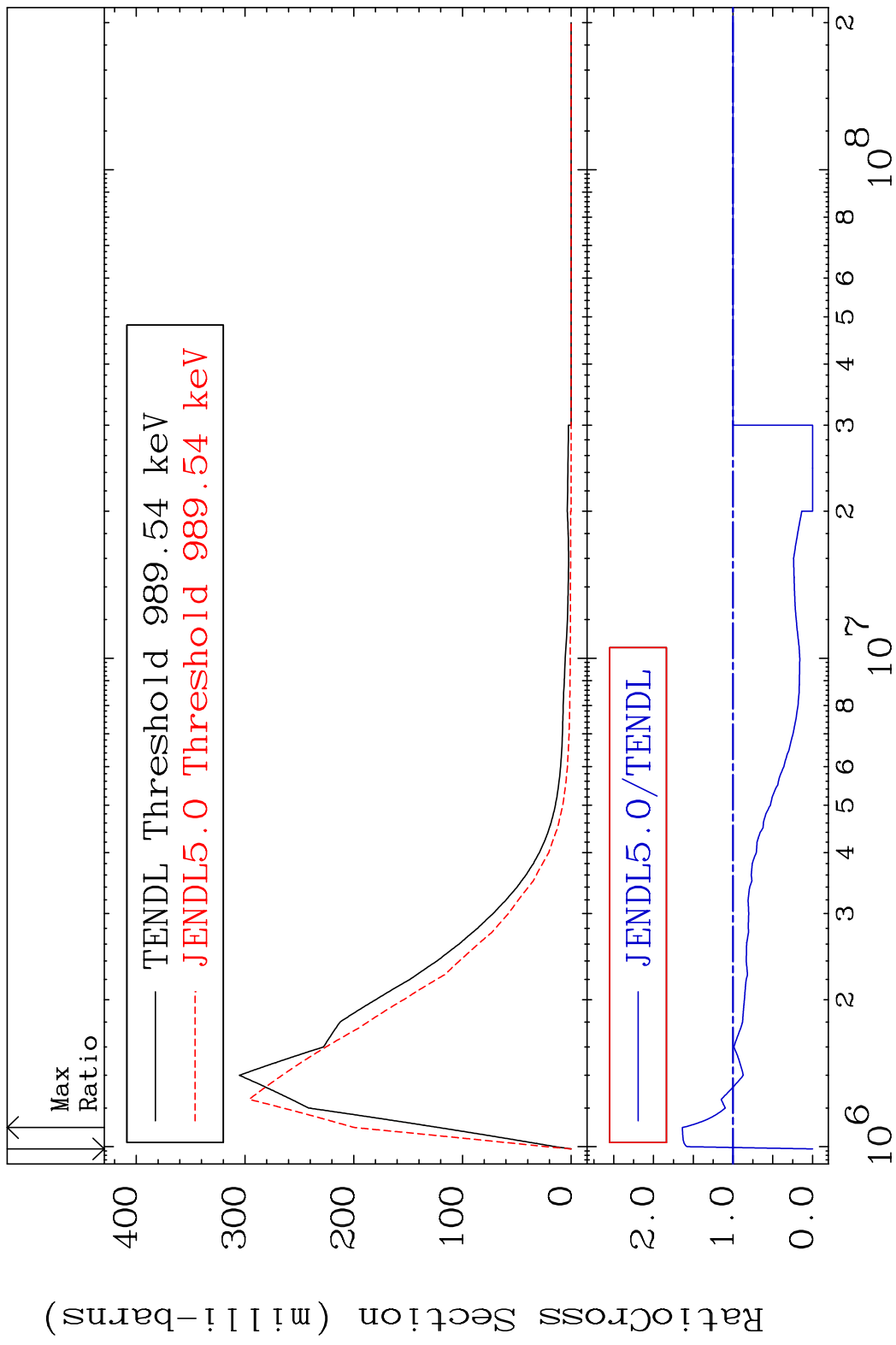
17 41-Nb-93

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



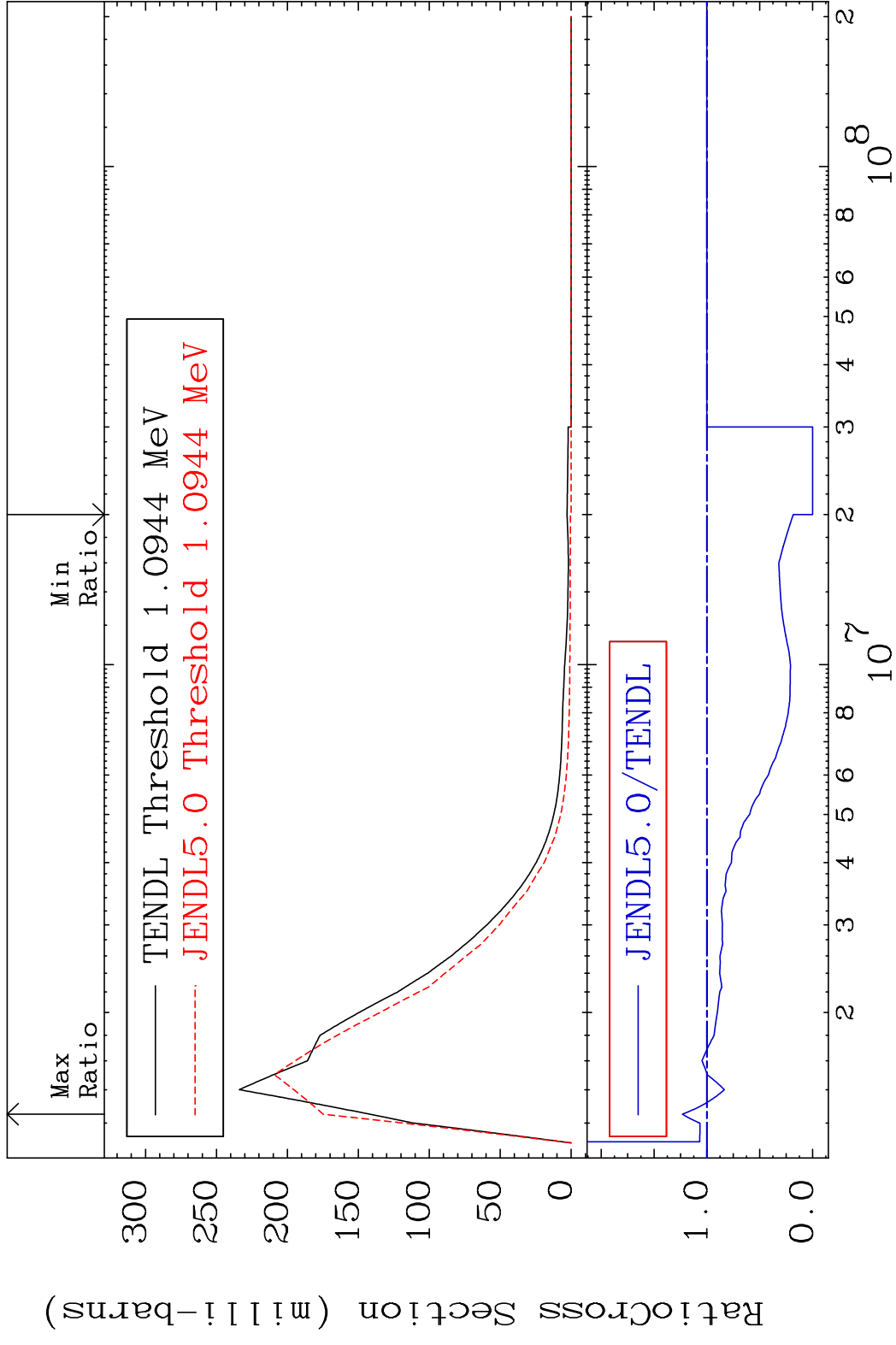
18 41-Nb-93

MAT 4125 MT= 58 (n,n') Level 41-Nb-93
 Cross Section -100.0 To 63.74 %

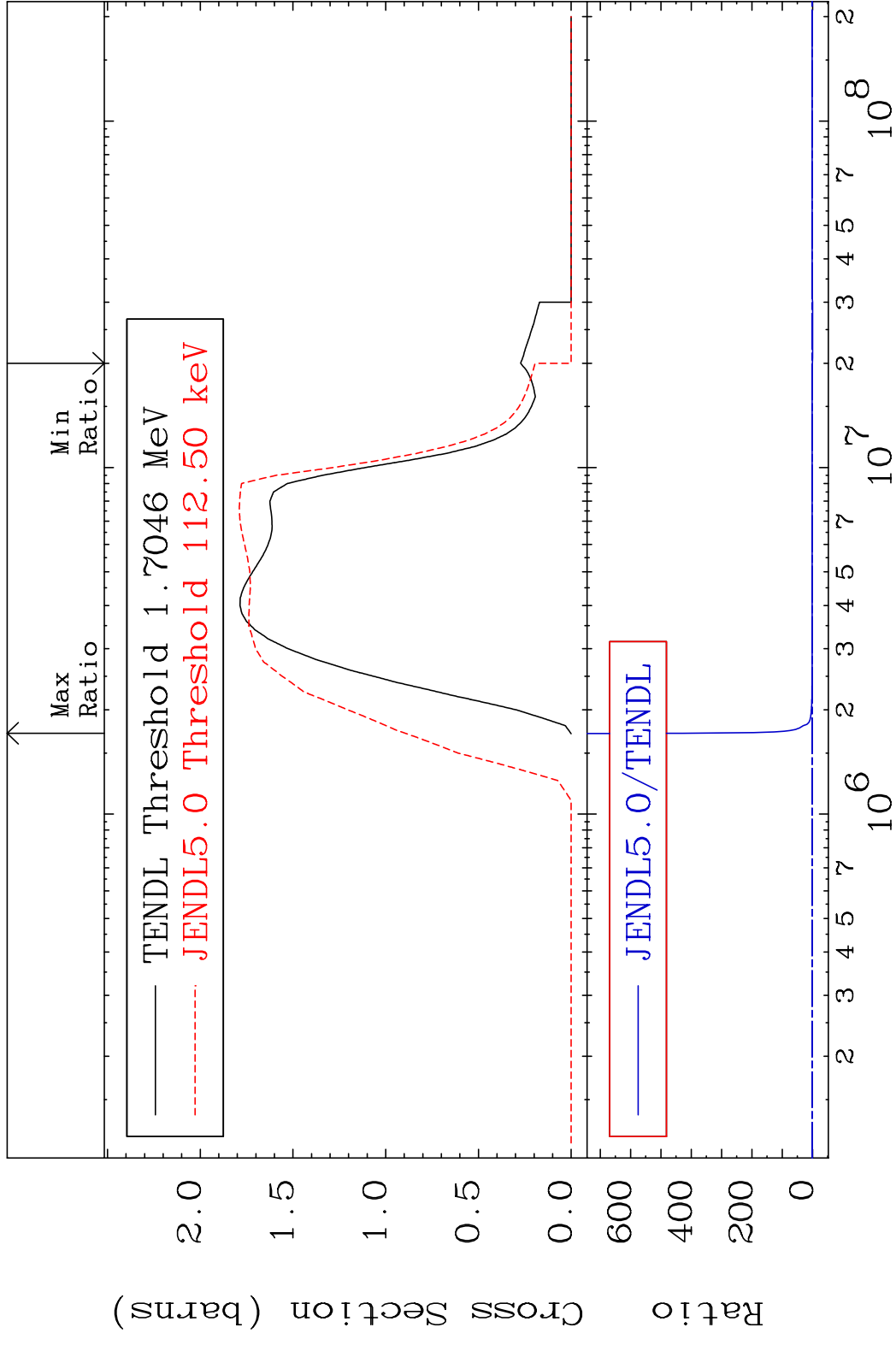


19 19 Incident Energy (eV) 41-Nb-93

MAT 4125 MT= 59 (n, n') Level 41-Nb-93
 Cross Section -100.0 To 23.23 %



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

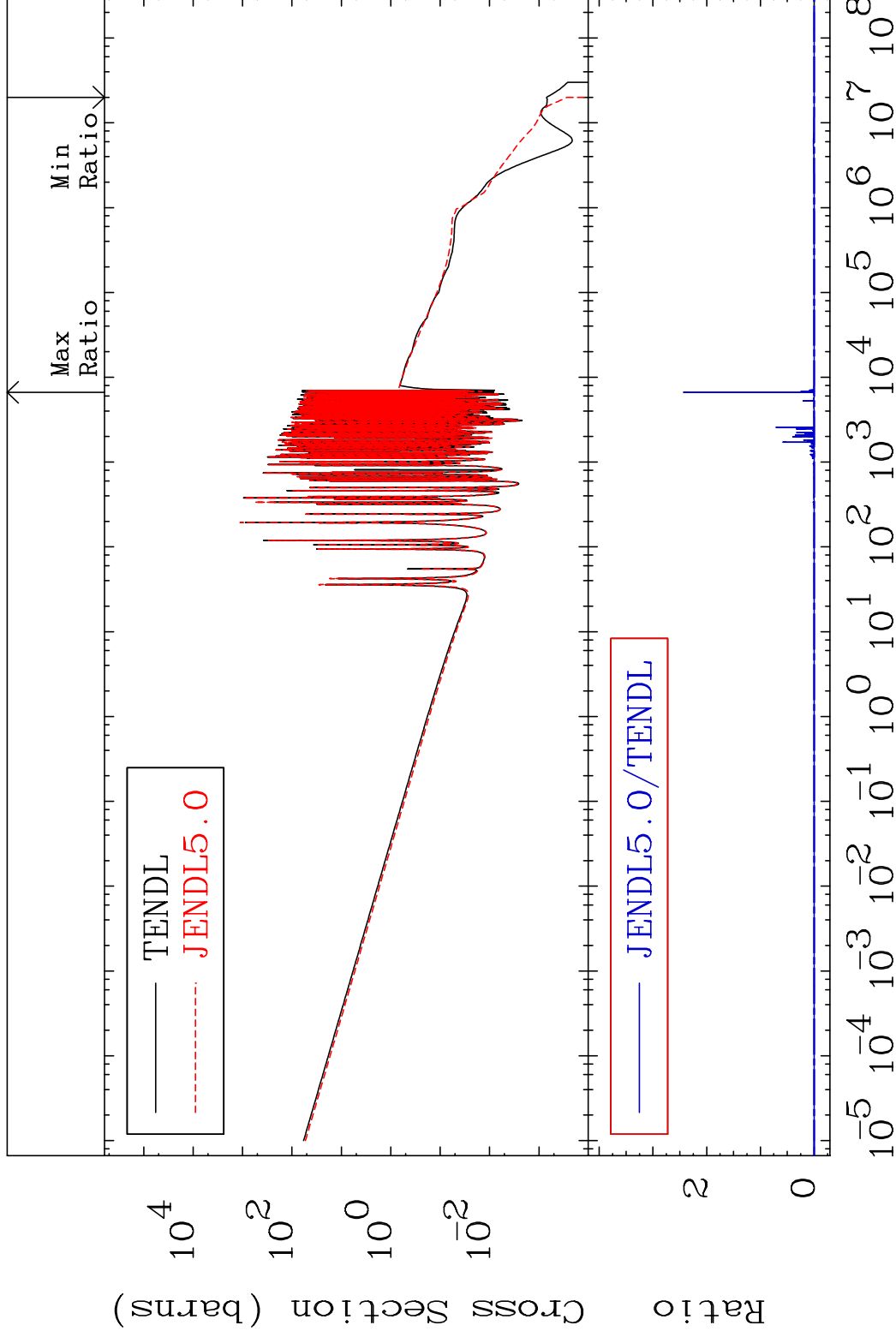


MAT 4125

(n, γ)

41-Nb-93

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

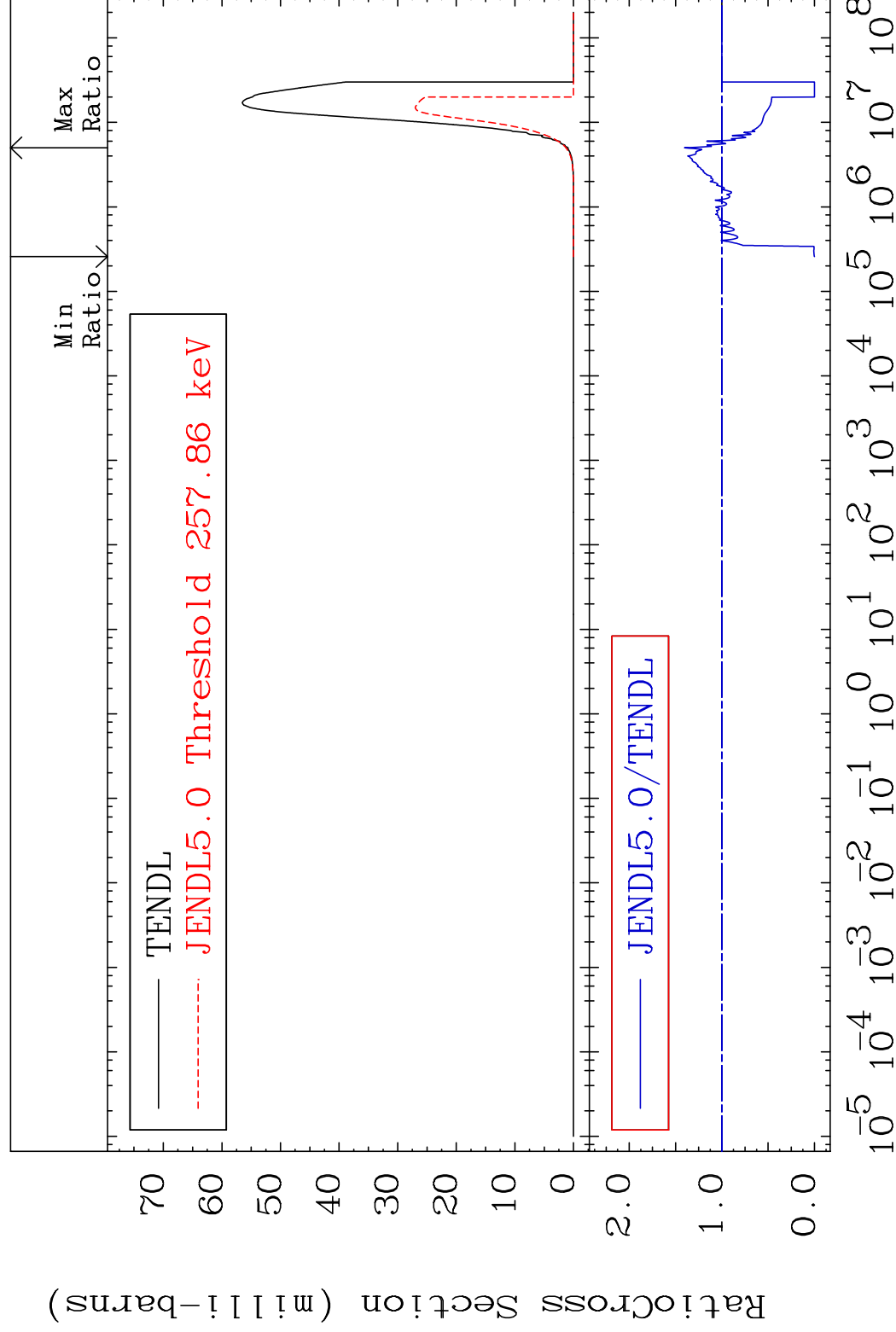
41-Nb-93

MAT 4125

(n, p)

41-Nb-93

Cross Section -100.0 To 40.35 %



23

Incident Energy (eV)

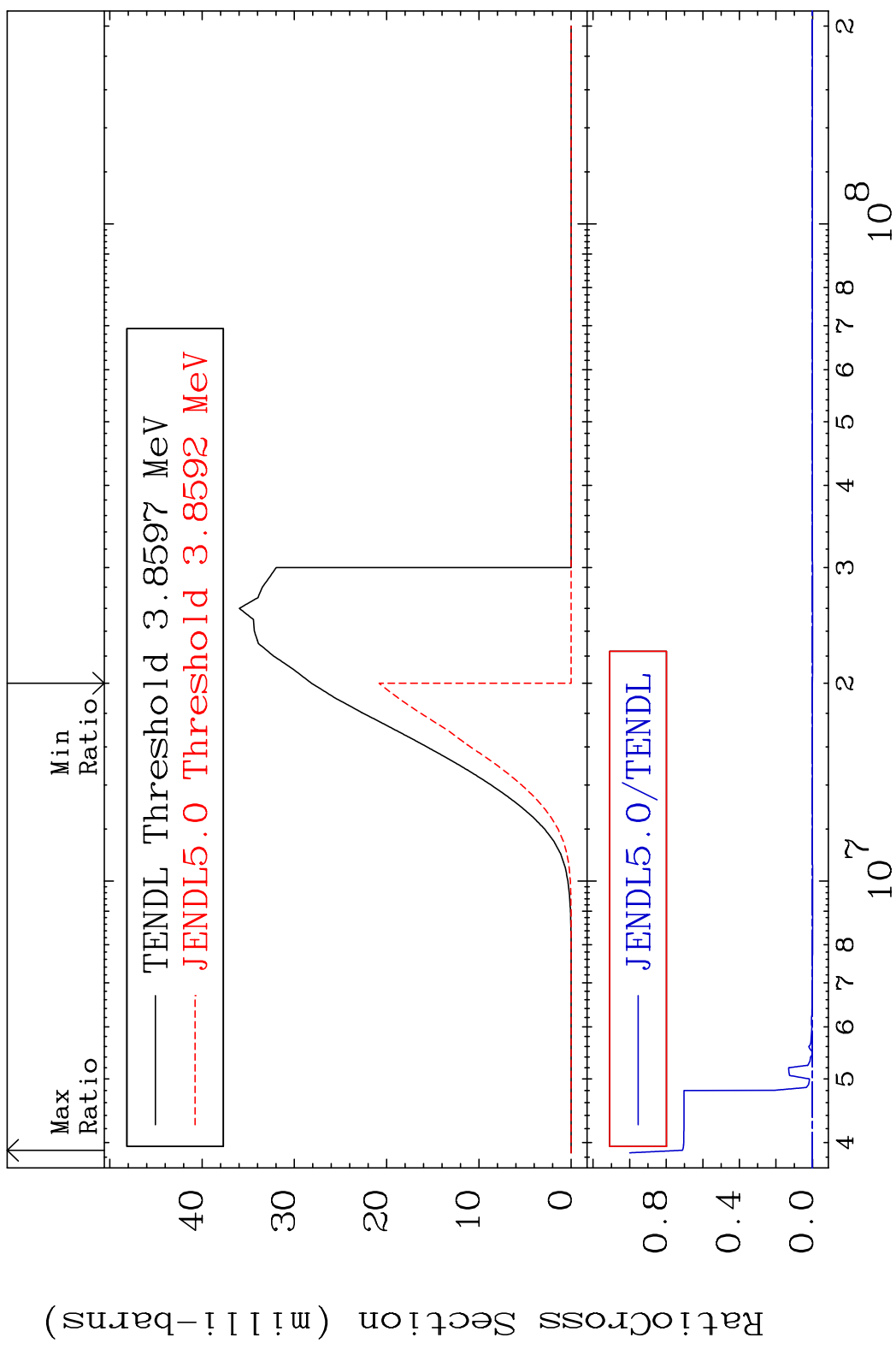
41-Nb-93

MAT 4125

(n, d)

41-Nb-93

Cross Section -100.0 To 9999. %

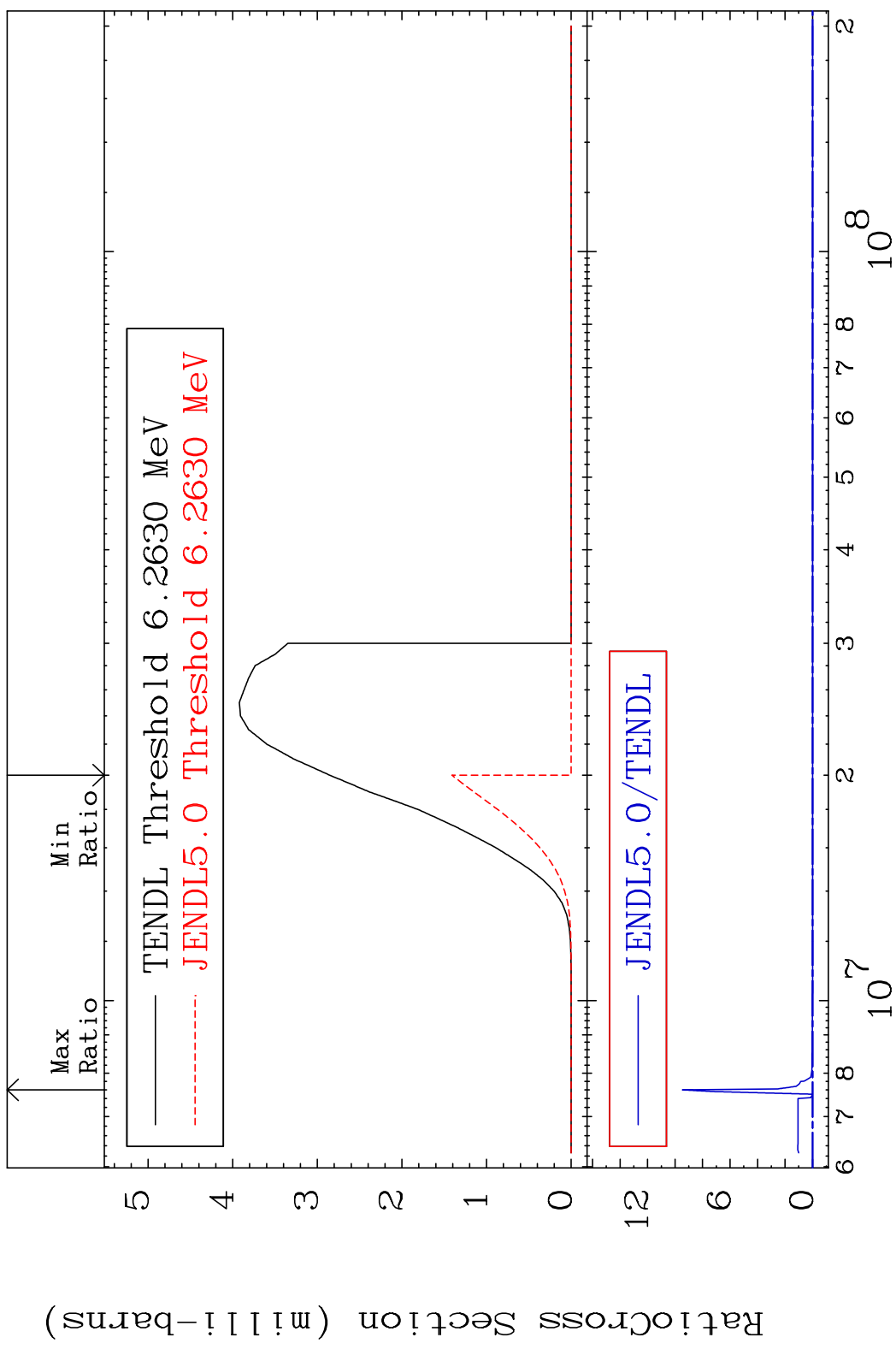


MAT 4125

(n, t)

41-Nb-93

Cross Section -100.0 To 9999. %



25

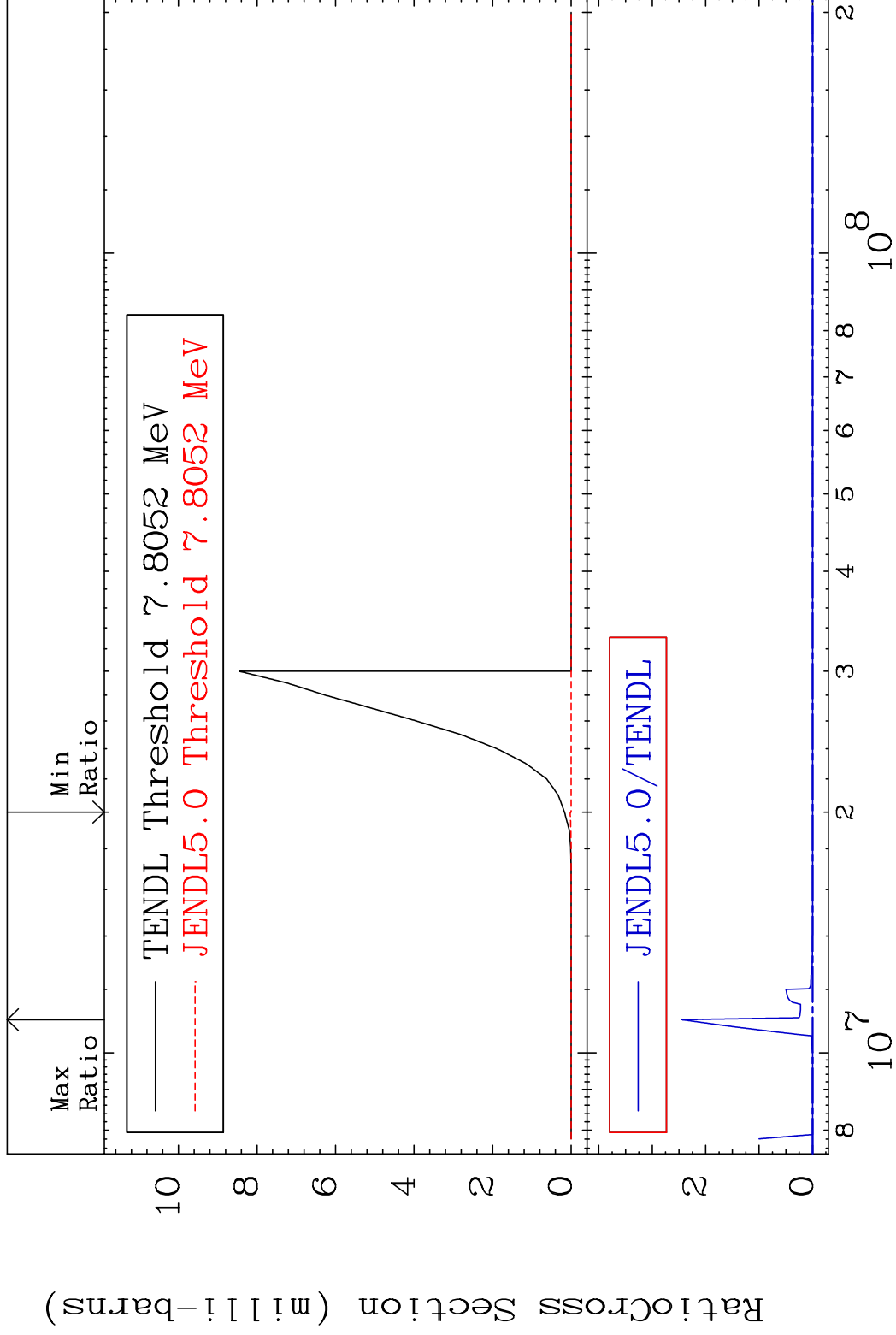
41-Nb-93

MAT 4125

(n, He-3)

41-Nb-93

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

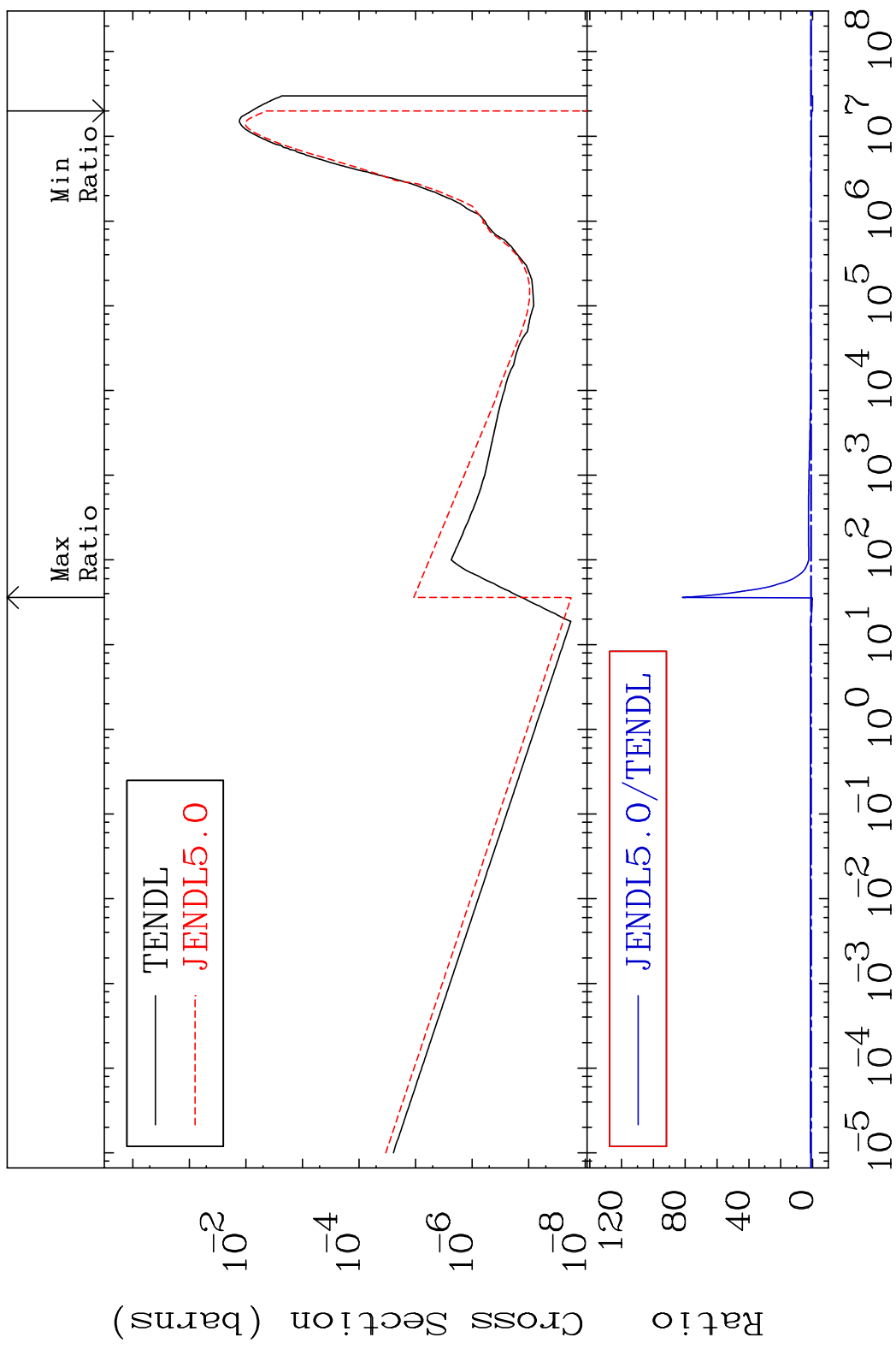
41-Nb-93

MAT 4125

(n, α)

41-Nb-93

Cross Section -100.0 To 8080. %



27

Incident Energy (eV)

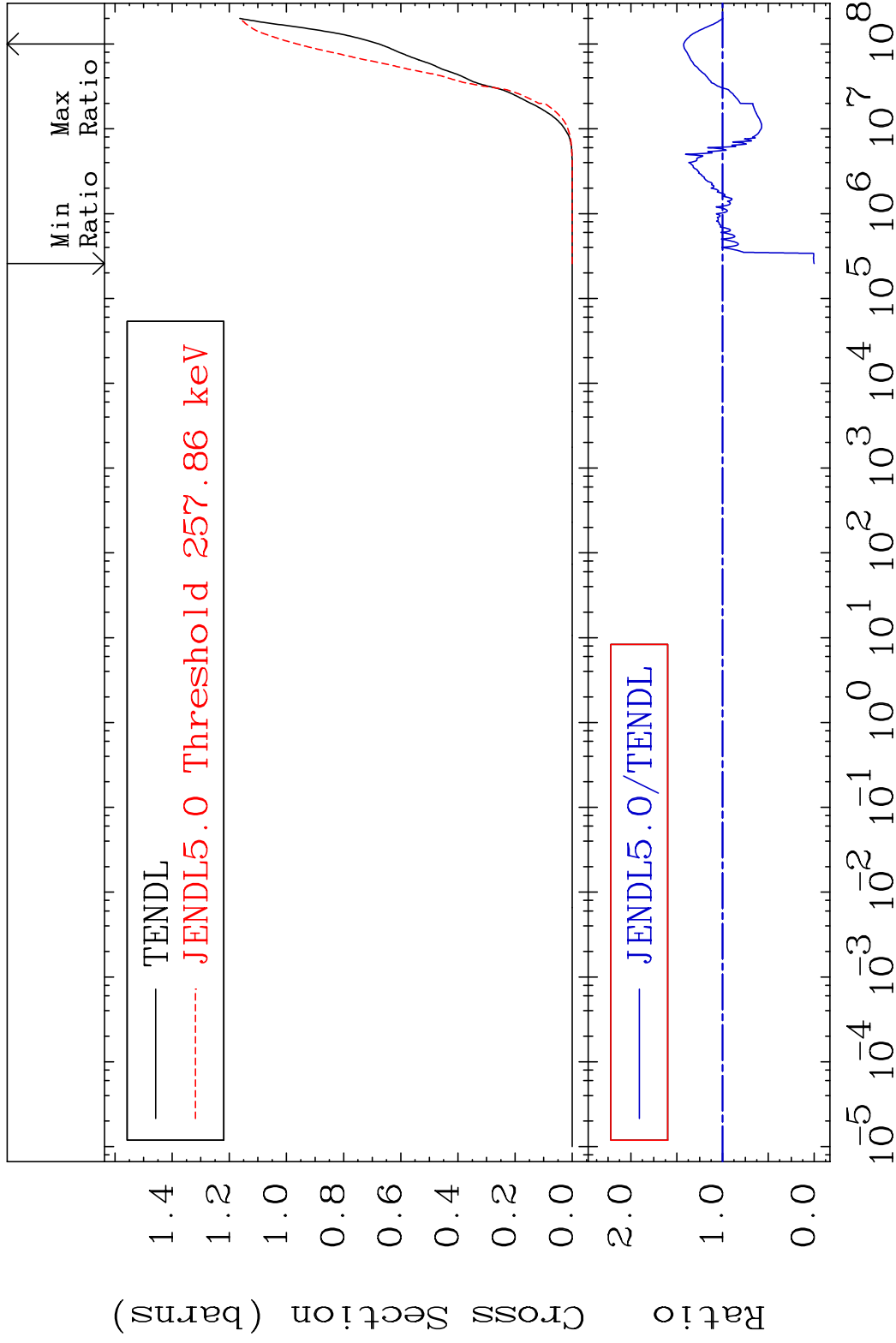
41-Nb-93

MAT 4125

Hydrogen Production

41-Nb-93

Cross Section -100.0 To 42.46 %

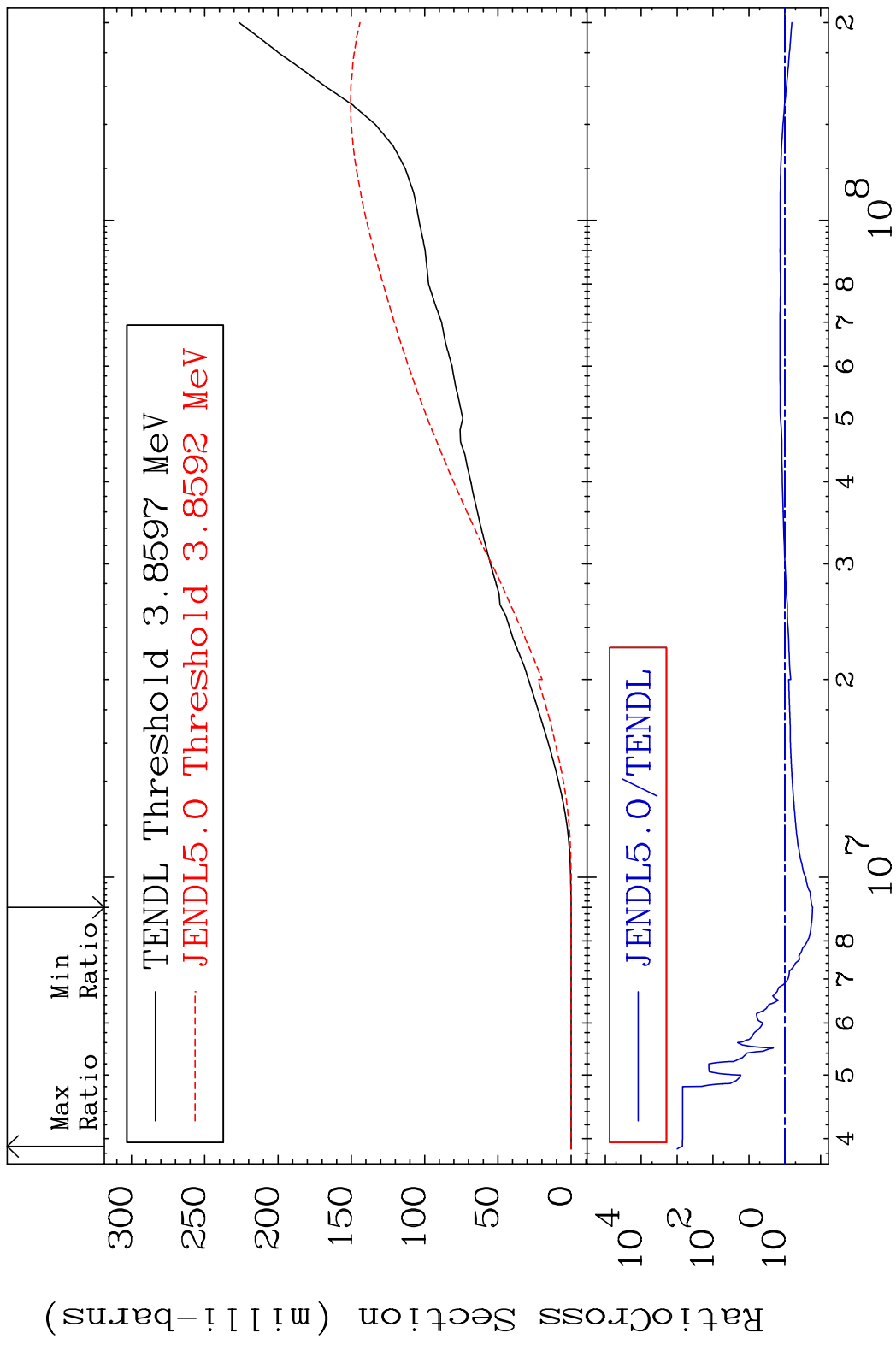


28

Incident Energy (eV)

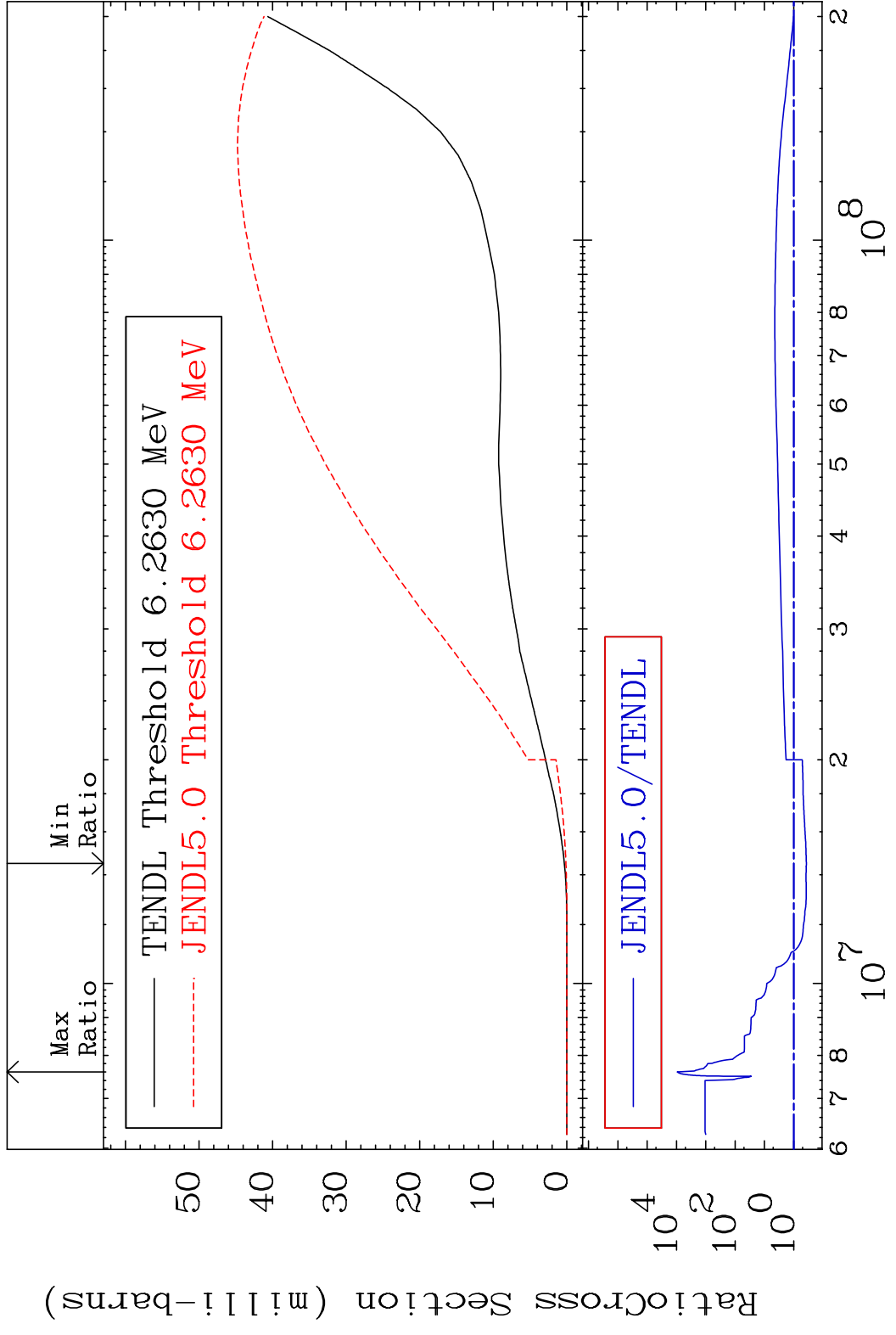
41-Nb-93

MAT 4125 Deuterium Production 41-Nb-93
 Cross Section -83.14 To 9999. %



MAT 4125

Tritium Production 41-Nb-93
Cross Section -62.86 To 9999. %



30

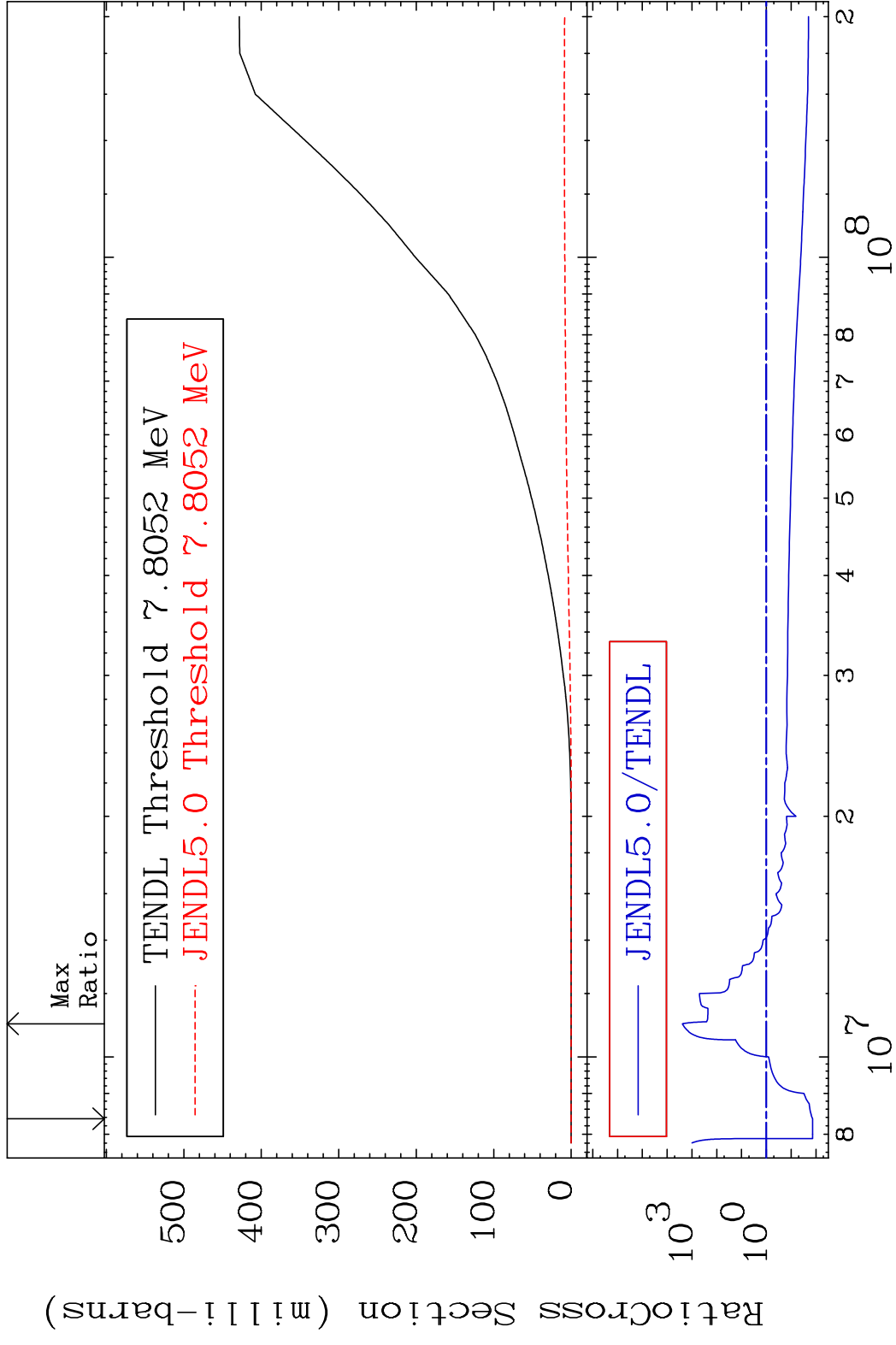
Incident Energy (eV) 41-Nb-93

MAT 4125

He-3 Production

41-Nb-93

Cross Section -98.63 To 9999. %



31

Incident Energy (eV)

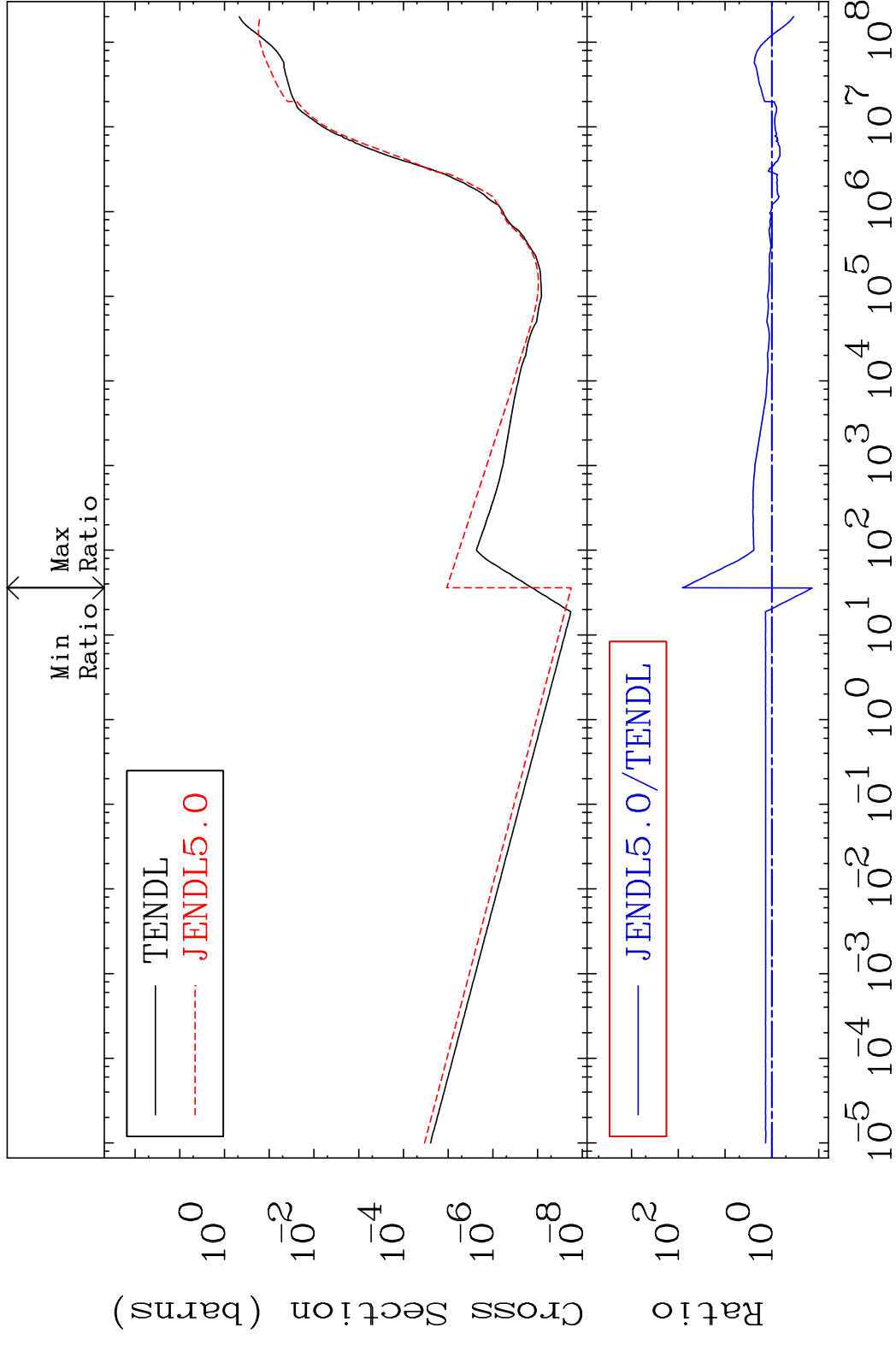
41-Nb-93

MAT 4125

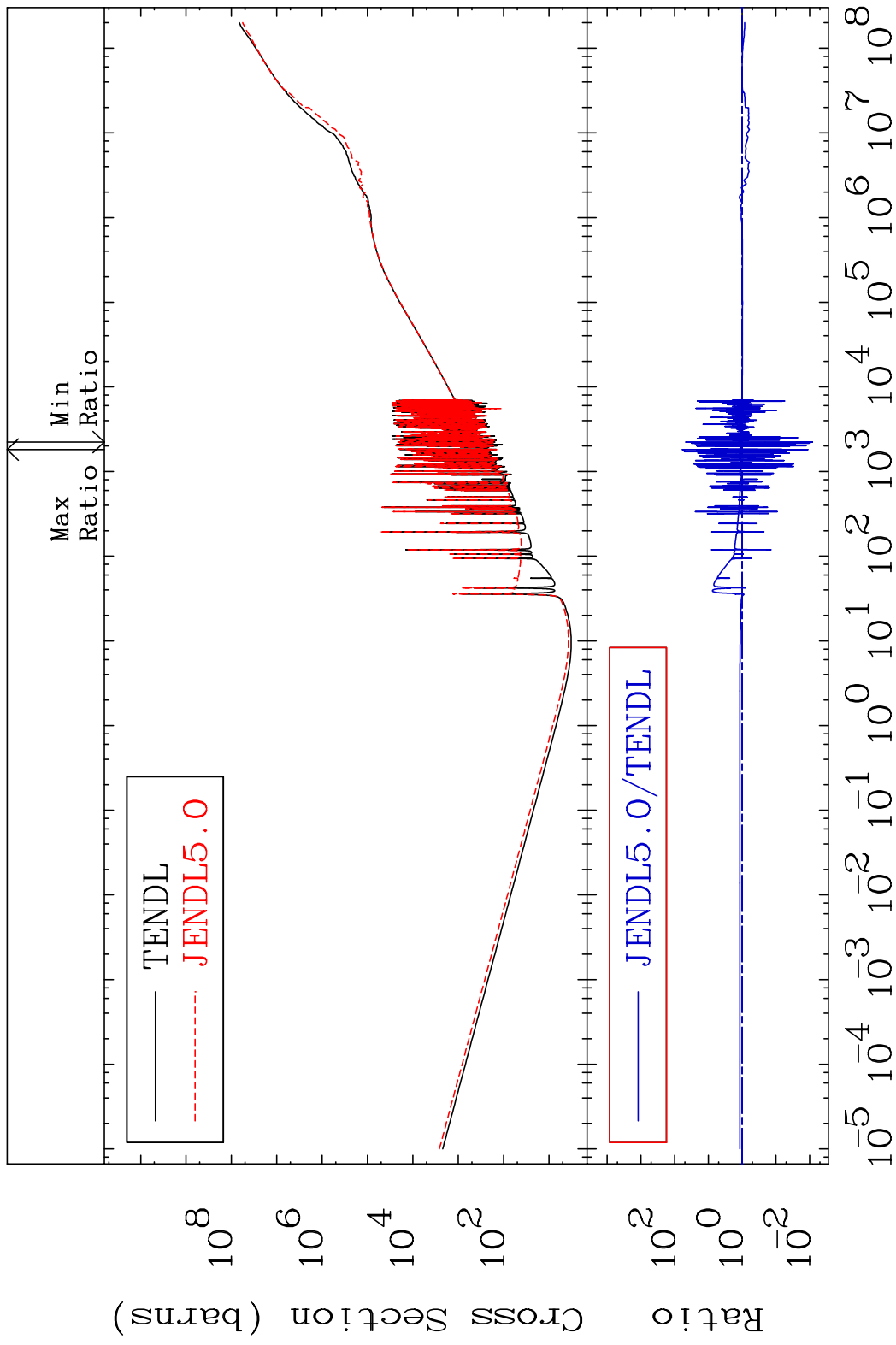
He-4 Production

41-Nb-93

Cross Section -86.49 To 8080. %

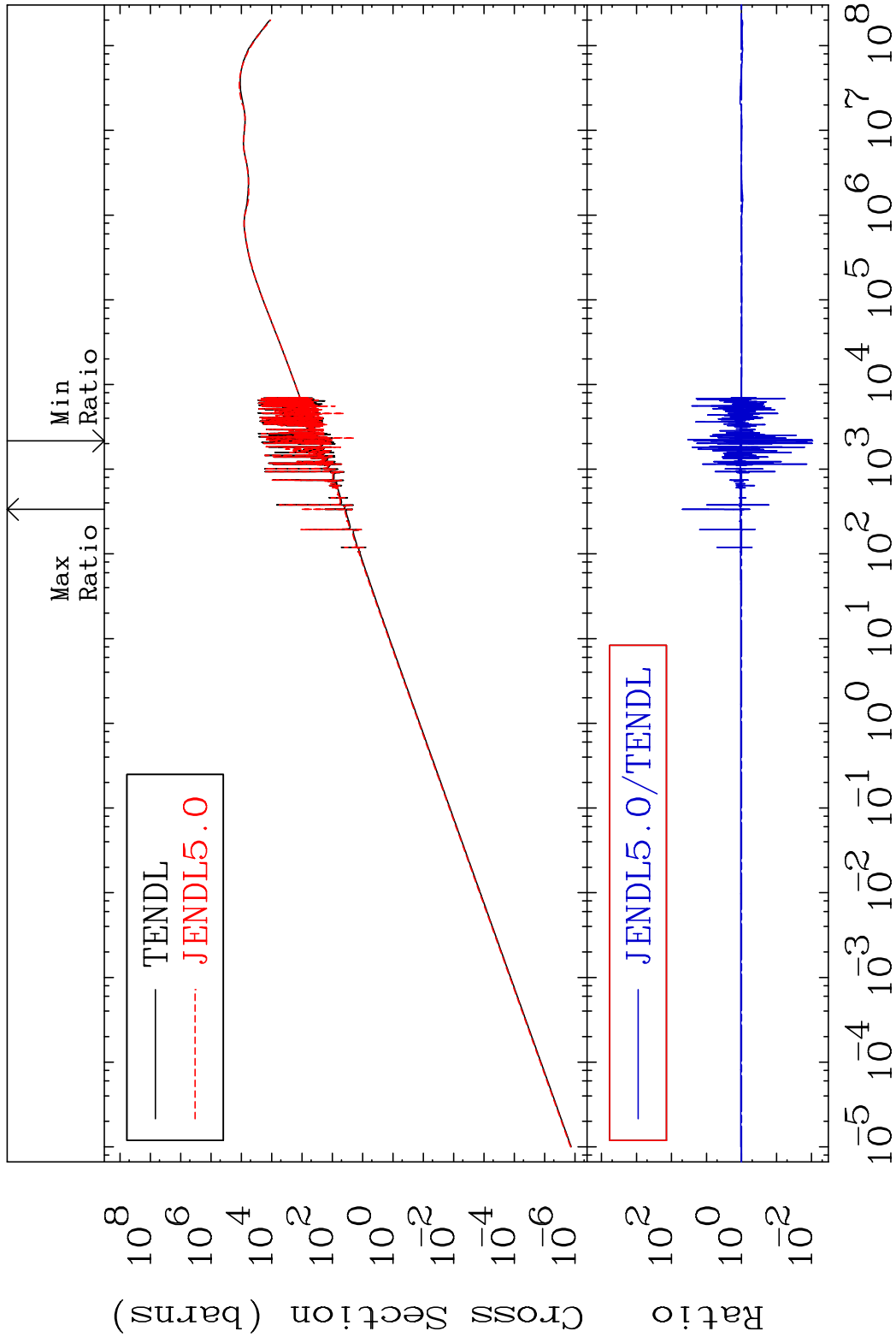


MAT 4125 Kerma total (eV-barns) 41-Nb-93
 Cross Section -99.18 To 5847. %



MAT 4125

Kerma elastic Cross Section -99.06 To 4804. %
41-Nb-93

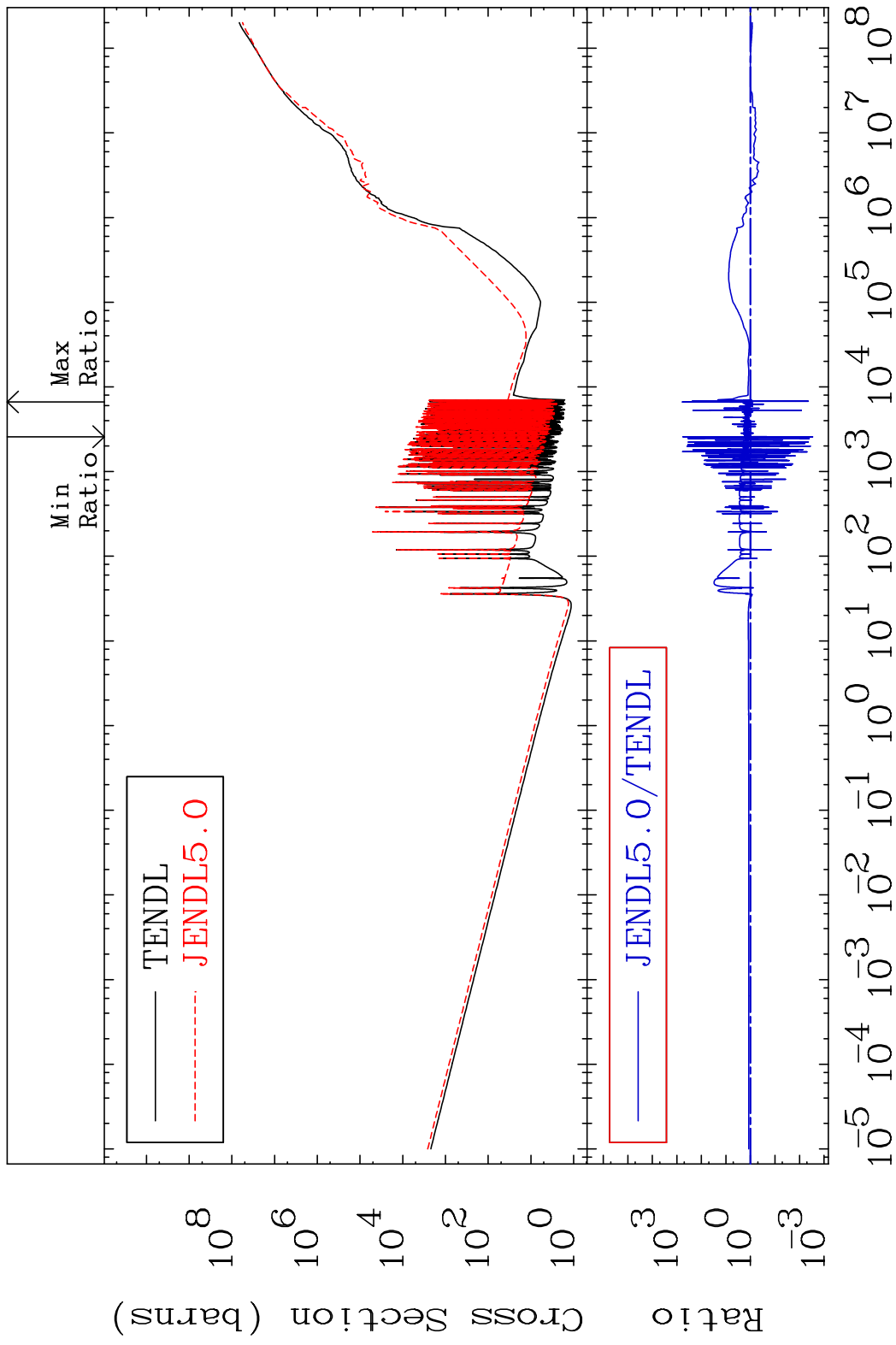


34

Incident Energy (eV)

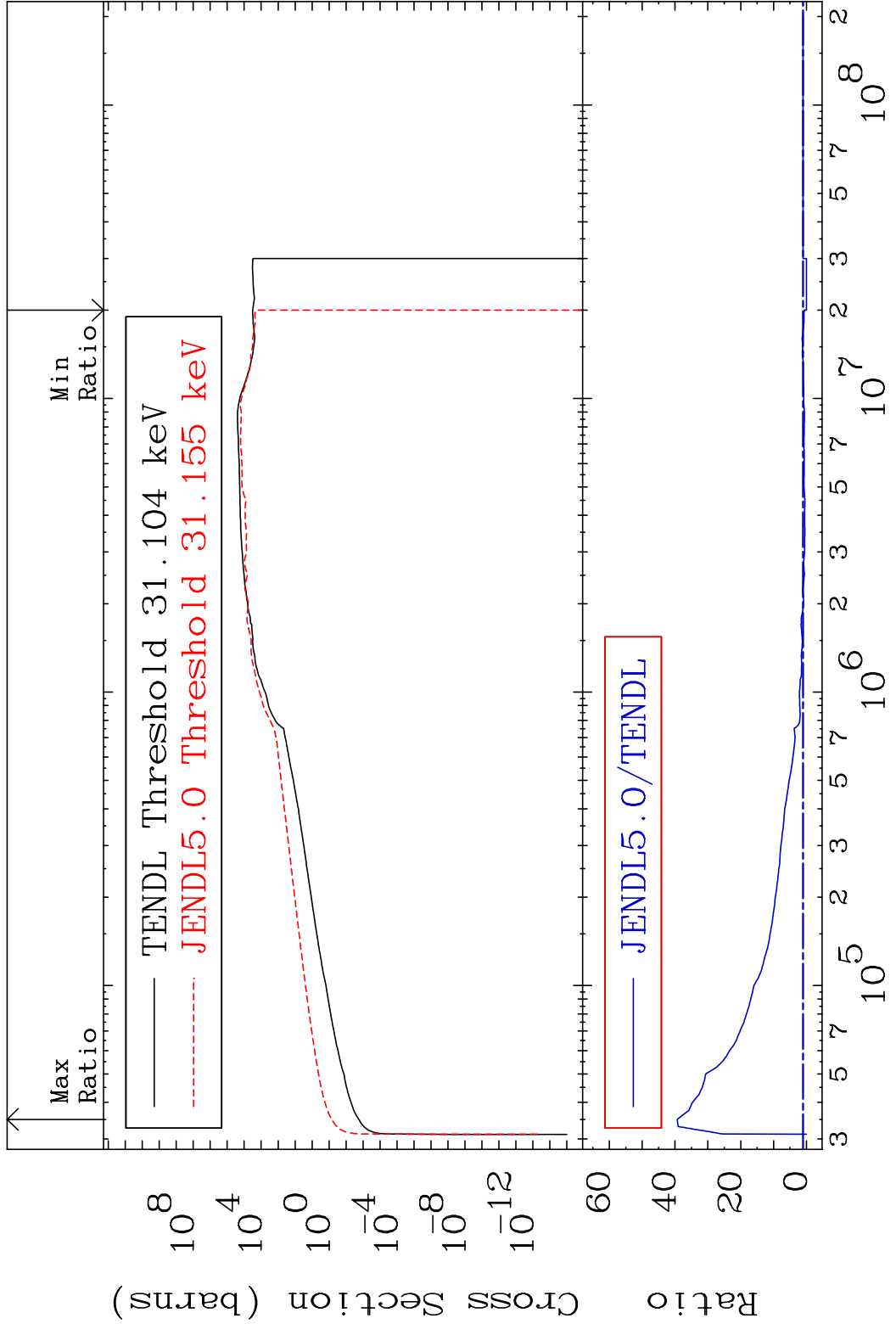
41-Nb-93

MAT 4125 Kerma non-elastic (all but mt2) 41-Nb-93
 Cross Section -99.71 To 9999. %

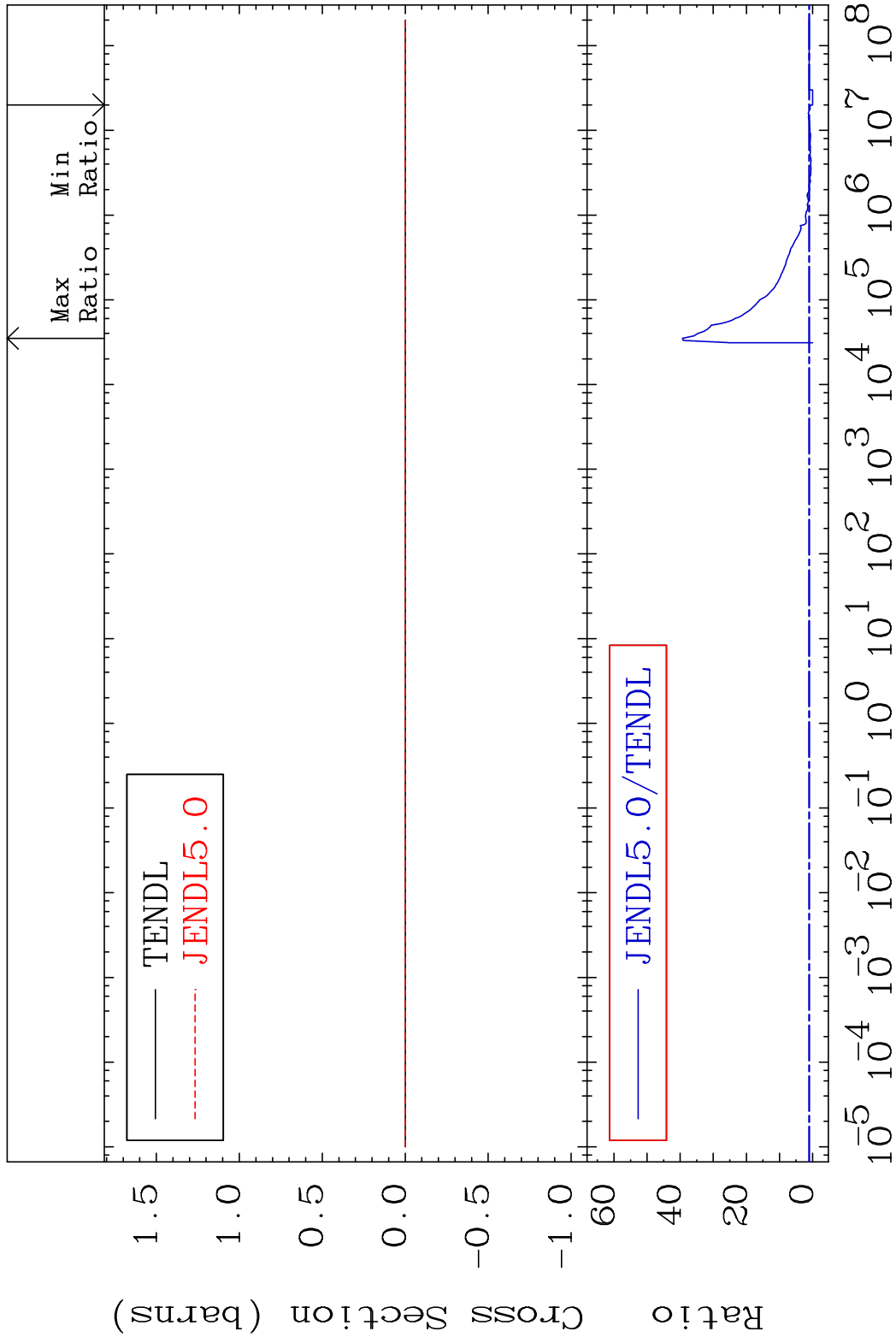


35 Incident Energy (eV) 41-Nb-93

MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 3834. %



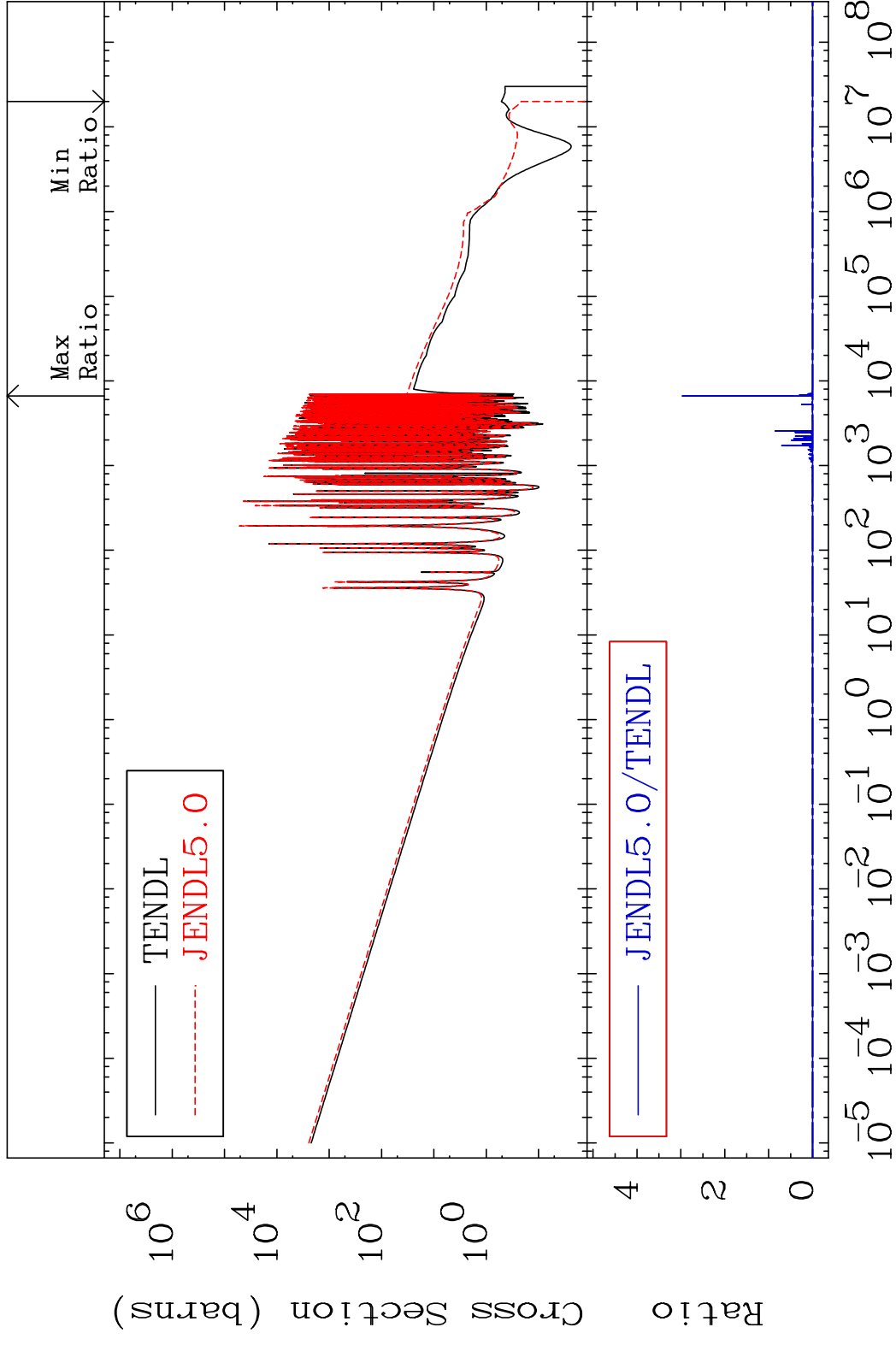
MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -100.0 To 3834. %



MAT 4125

Kerma capture (mt102) 41-Nb-93

Cross Section -100.0 To 9999. %

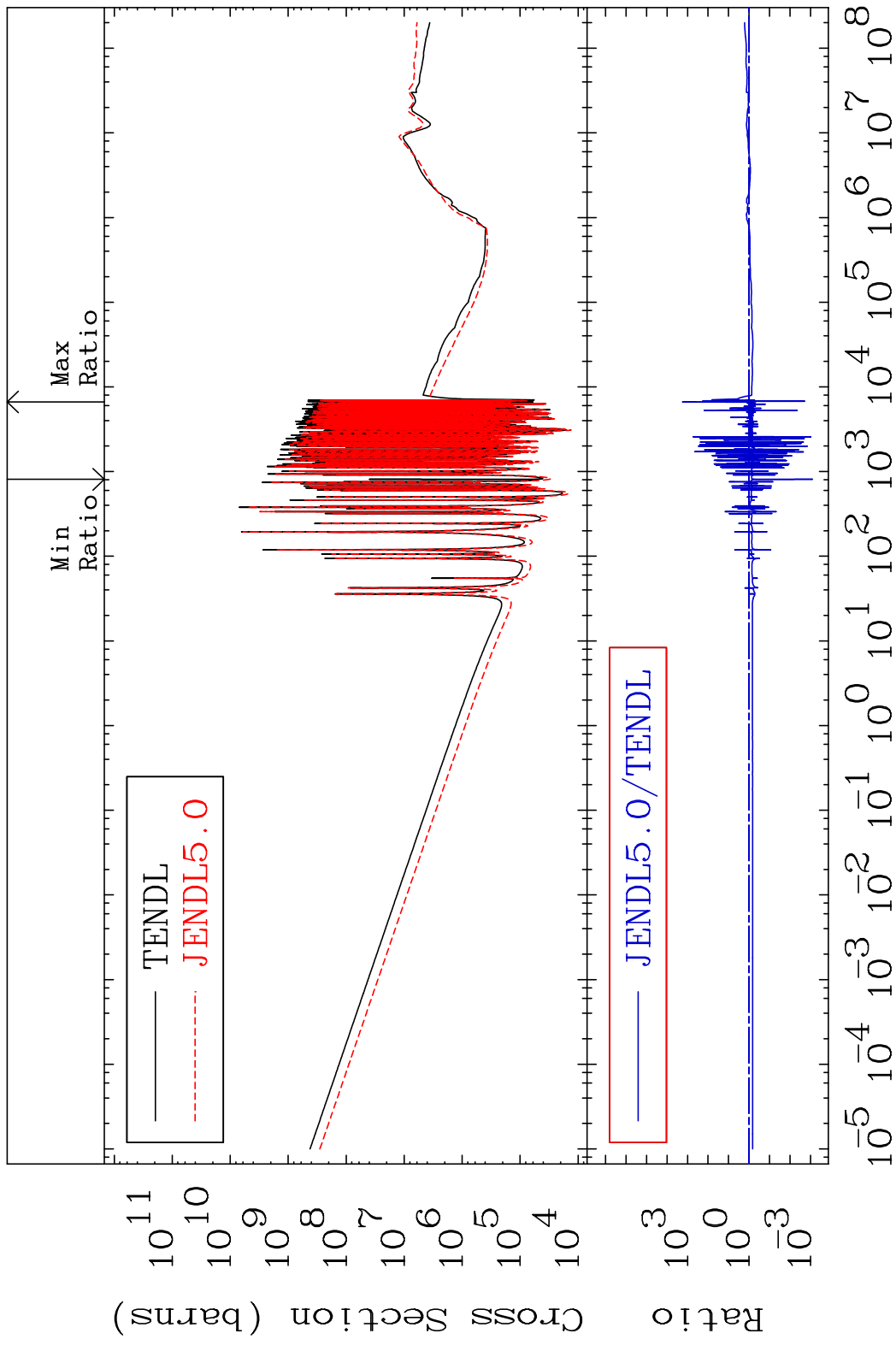


38

Incident Energy (eV)

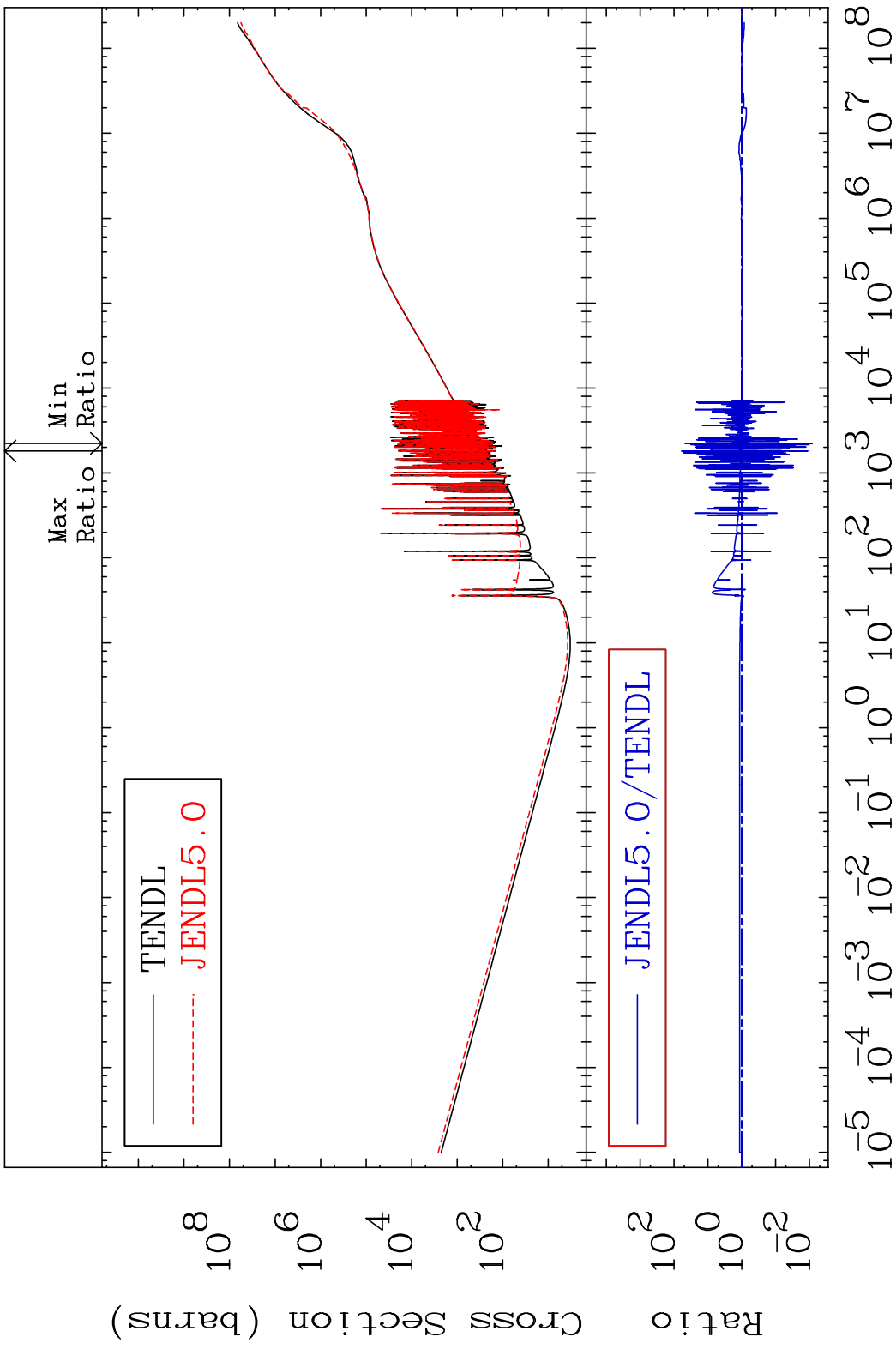
41-Nb-93

MAT 4125 Total photon (eV-barns) 41-Nb-93
Cross Section -99.92 To 9999. %

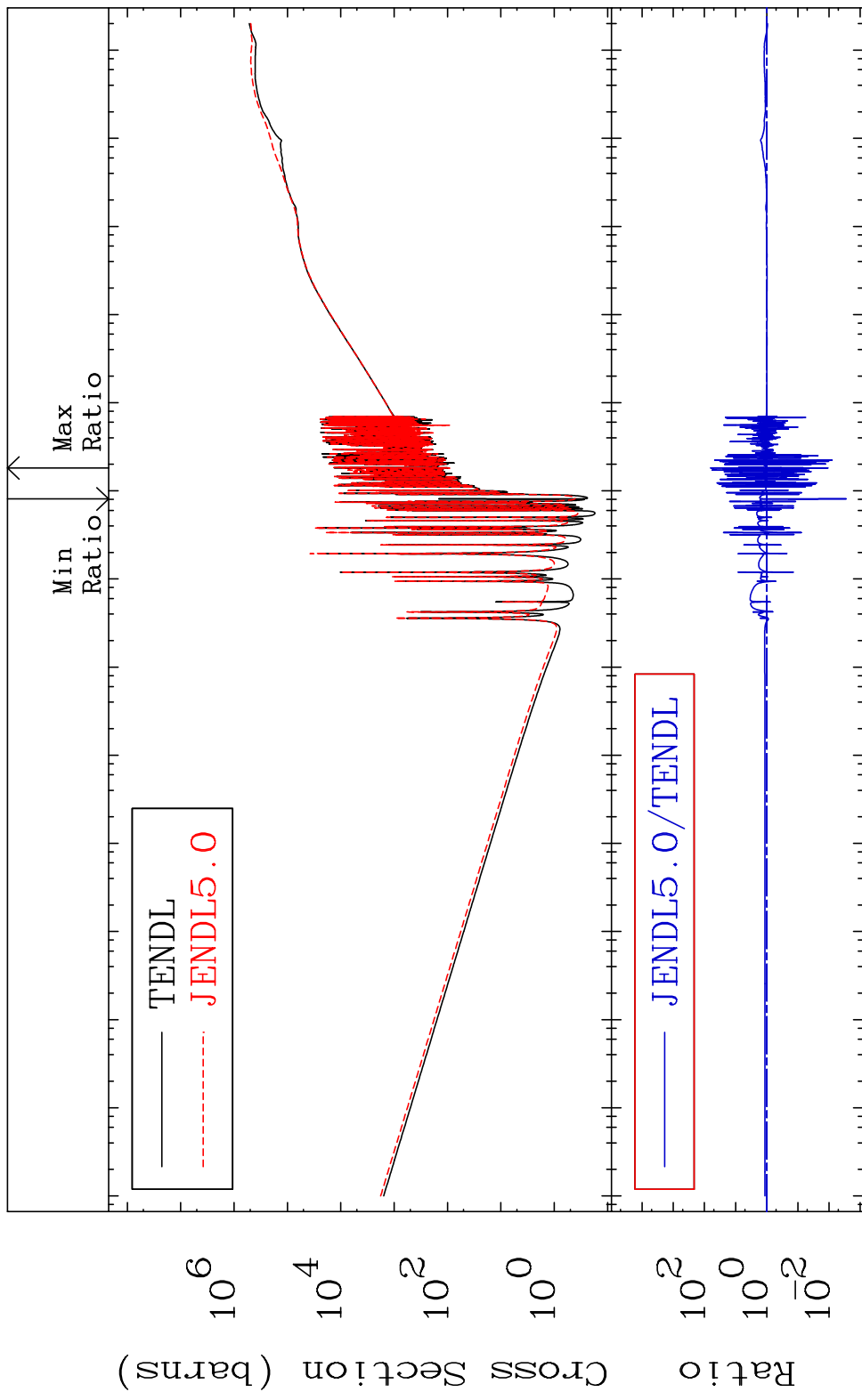


39 Incident Energy (eV) 41-Nb-93

MAT 4125 Total kinematic kerma (high limit) 41-Nb-93
Cross Section -99.18 To 5847. %

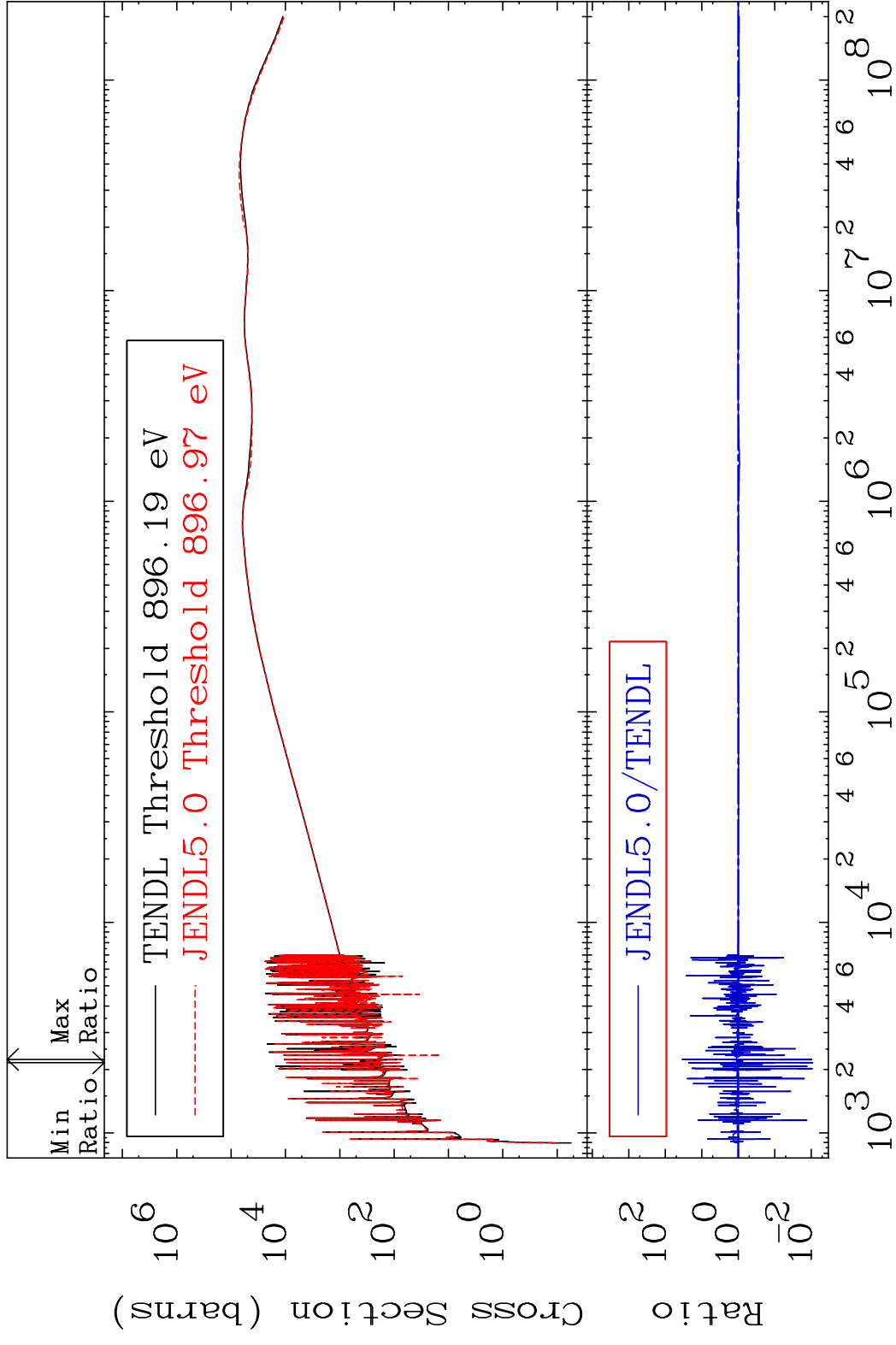


MAT 4125 Dpa total (eV-barns) 41-Nb-93
 Cross Section -99.72 To 6196. %



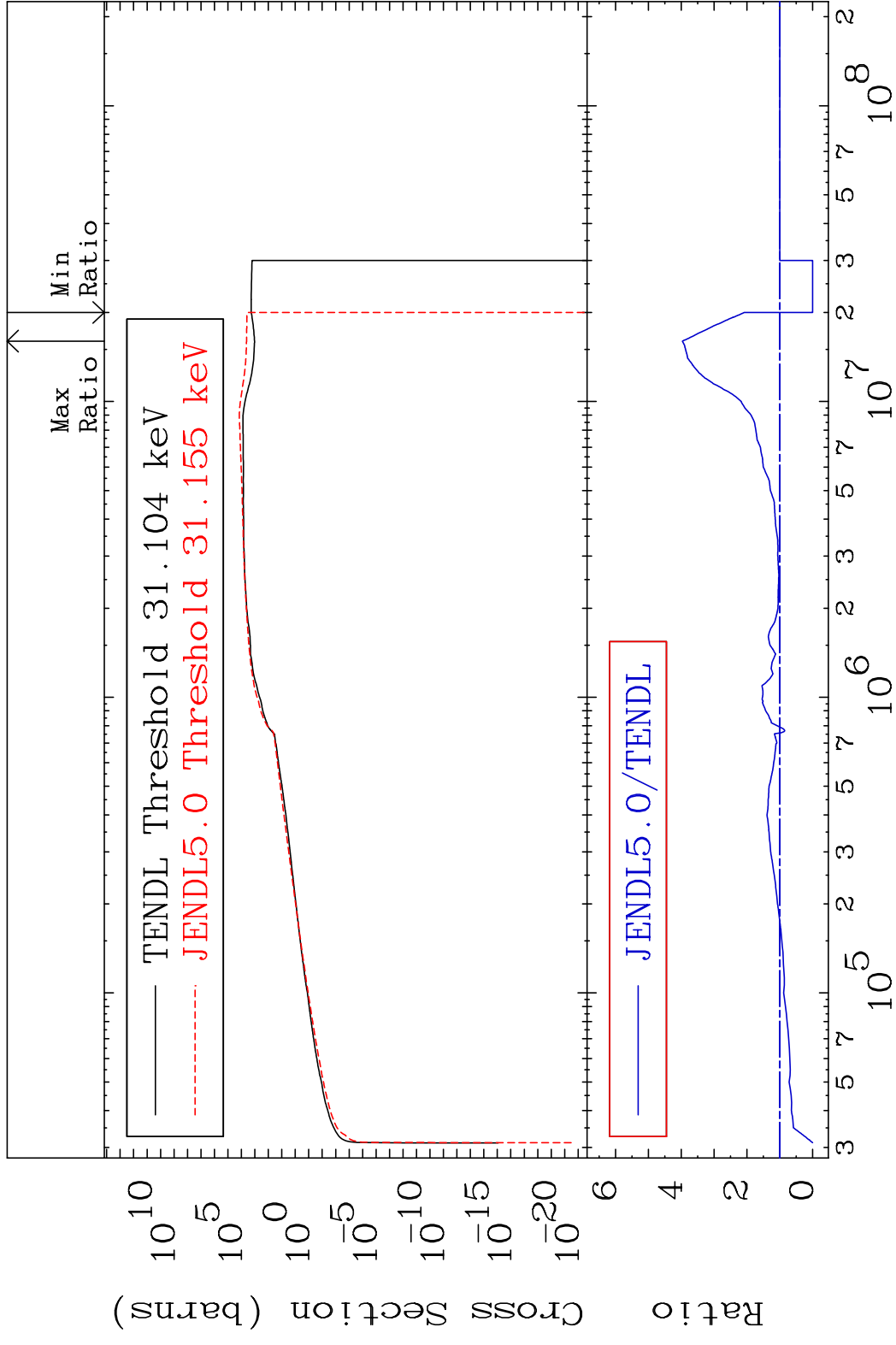
41 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa elastic (mt2) 41-Nb-93
 Cross Section -99.08 To 3307. %



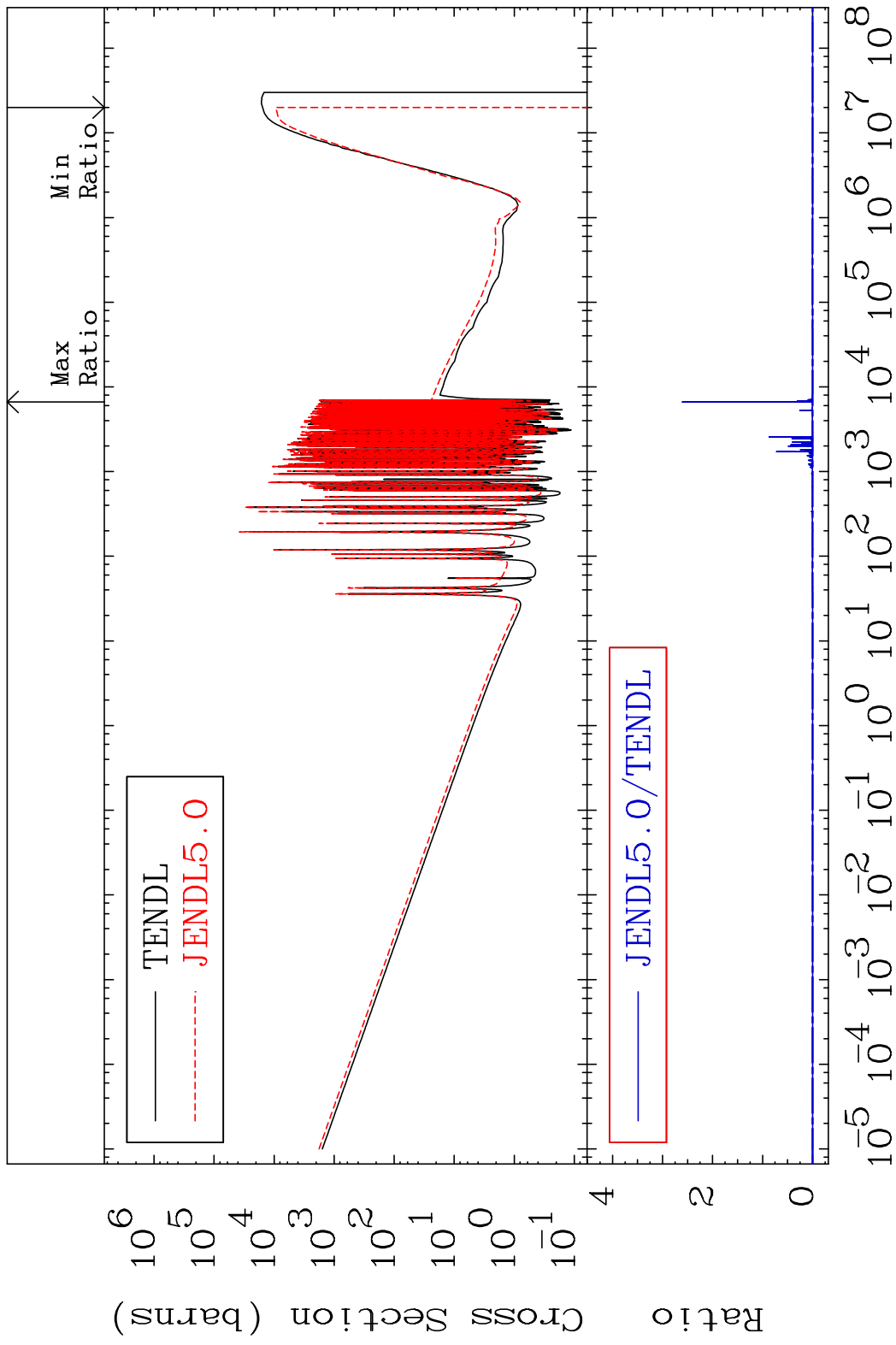
42 Incident Energy (eV) 41-Nb-93

MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 296.7 %



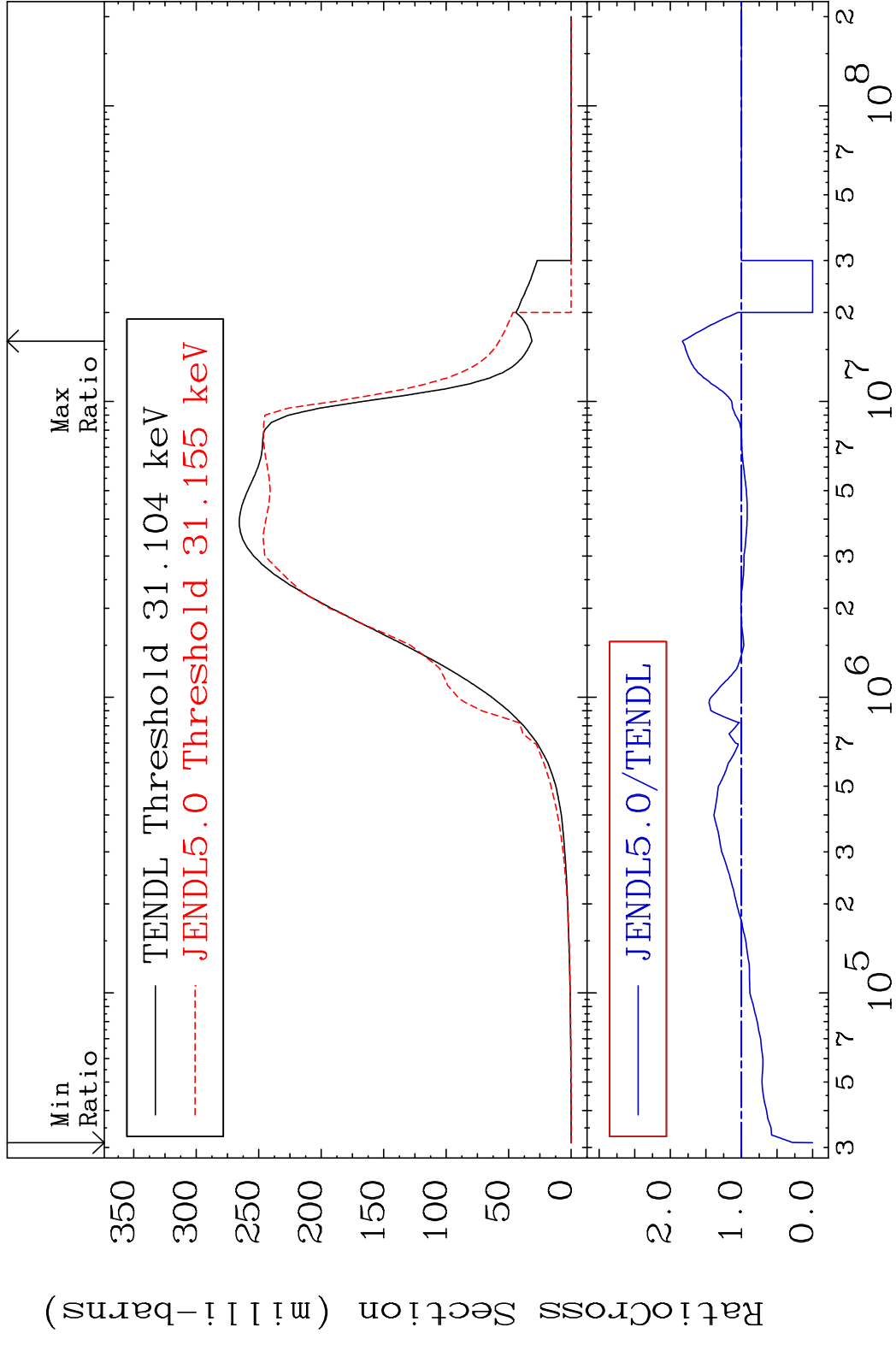
43 Incident Energy (eV) 41-Nb-93

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

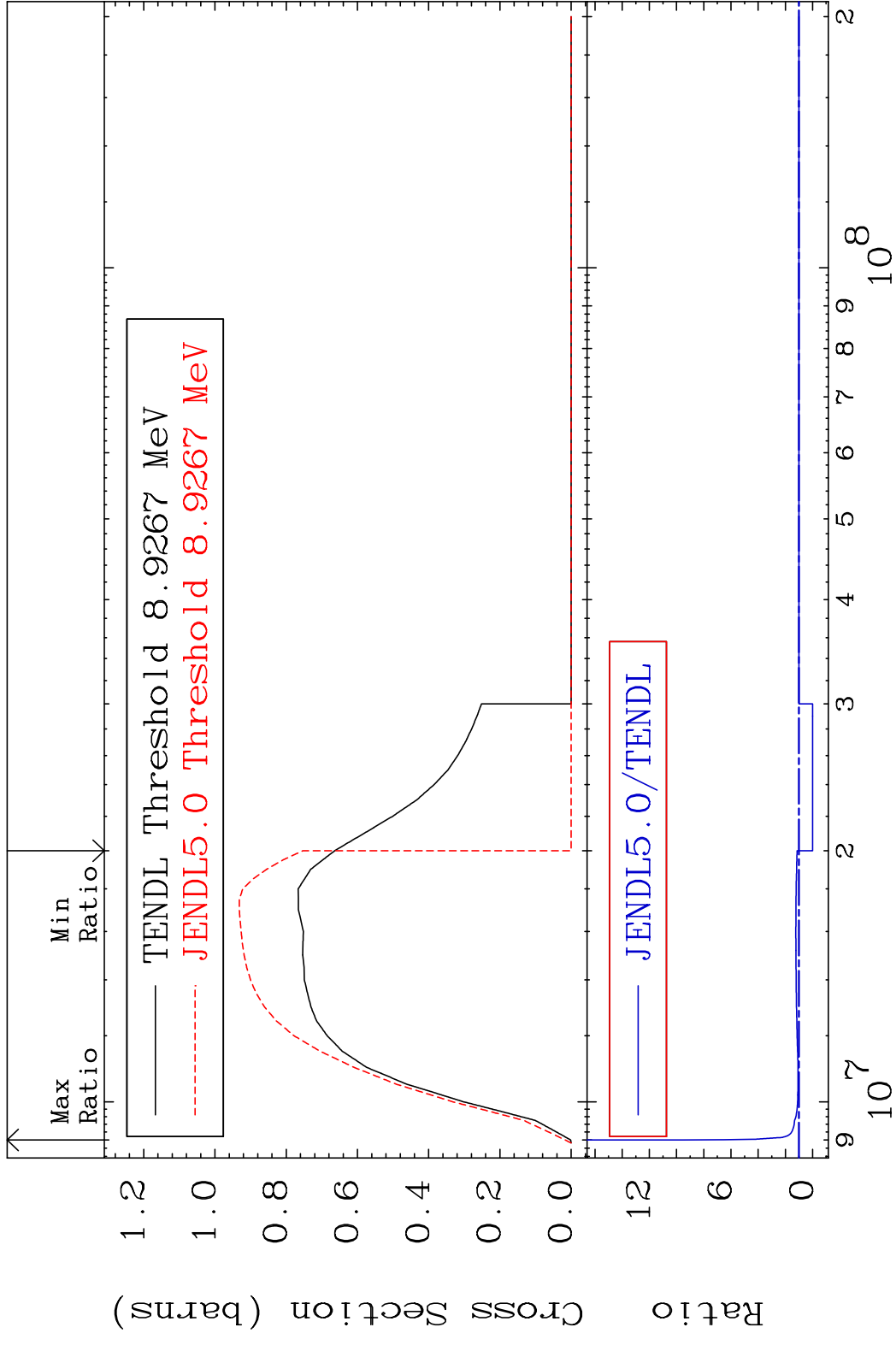


44 Incident Energy (eV) 41-Nb-93

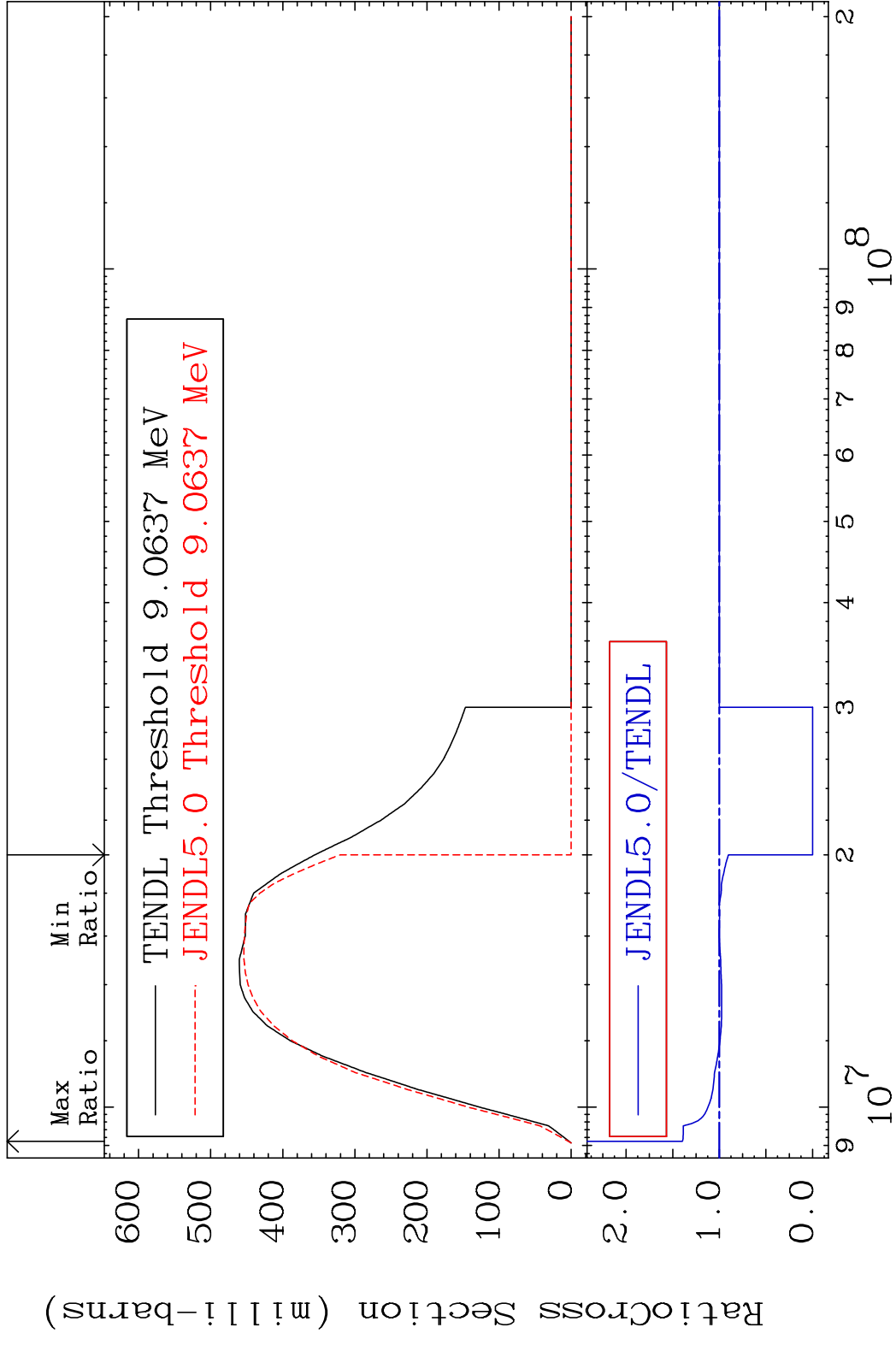
MAT 4125 Inelastic: 41-Nb-93m1 41-Nb-93
 Radionuclide Production Cross Section Ratio 82.97 %



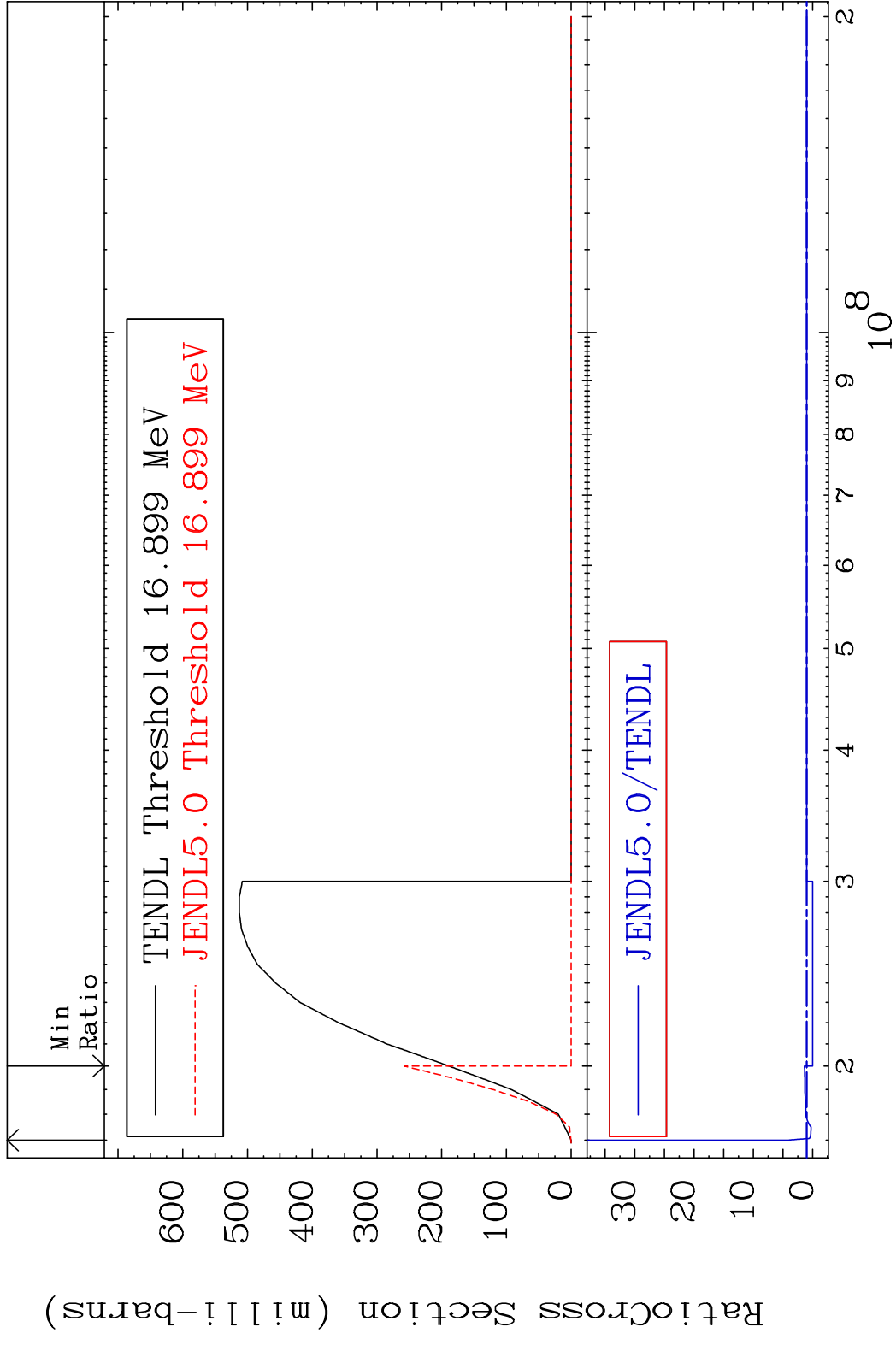
45 Incident Energy (eV) 41-Nb-93



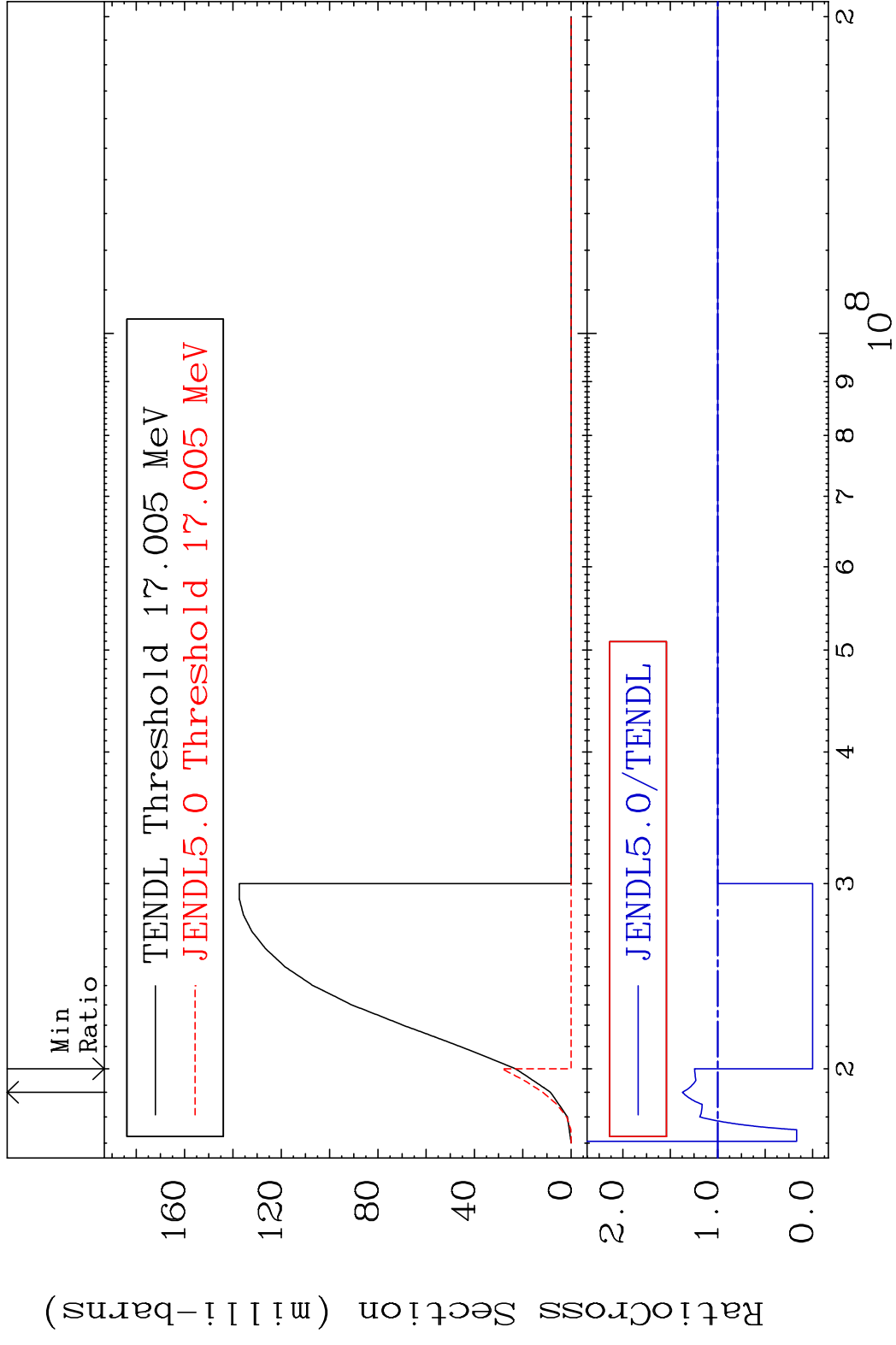
MAT 4125 (n,2n):41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section Ratio 39.66 %



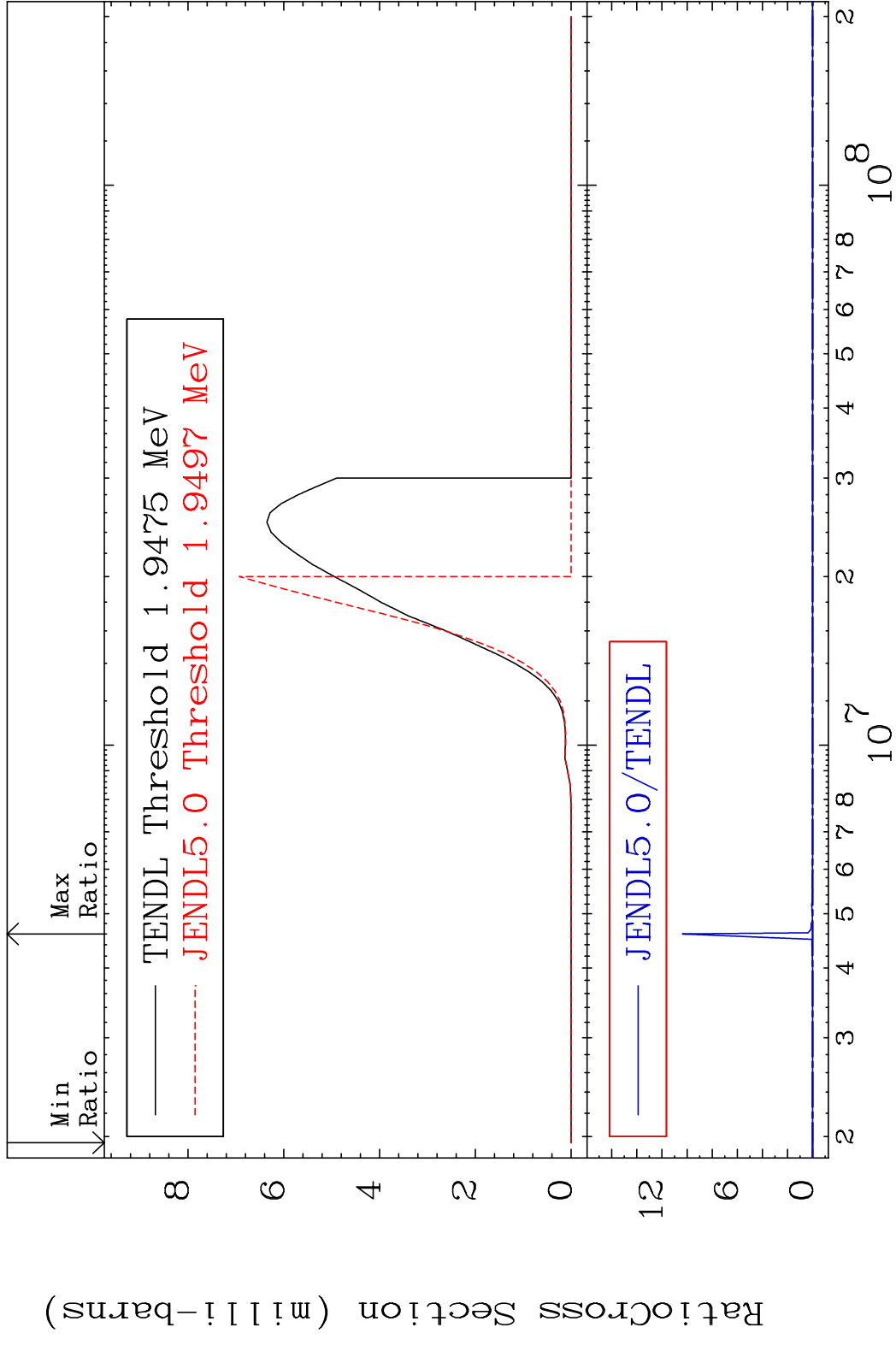
47 Incident Energy (eV) 41-Nb-93

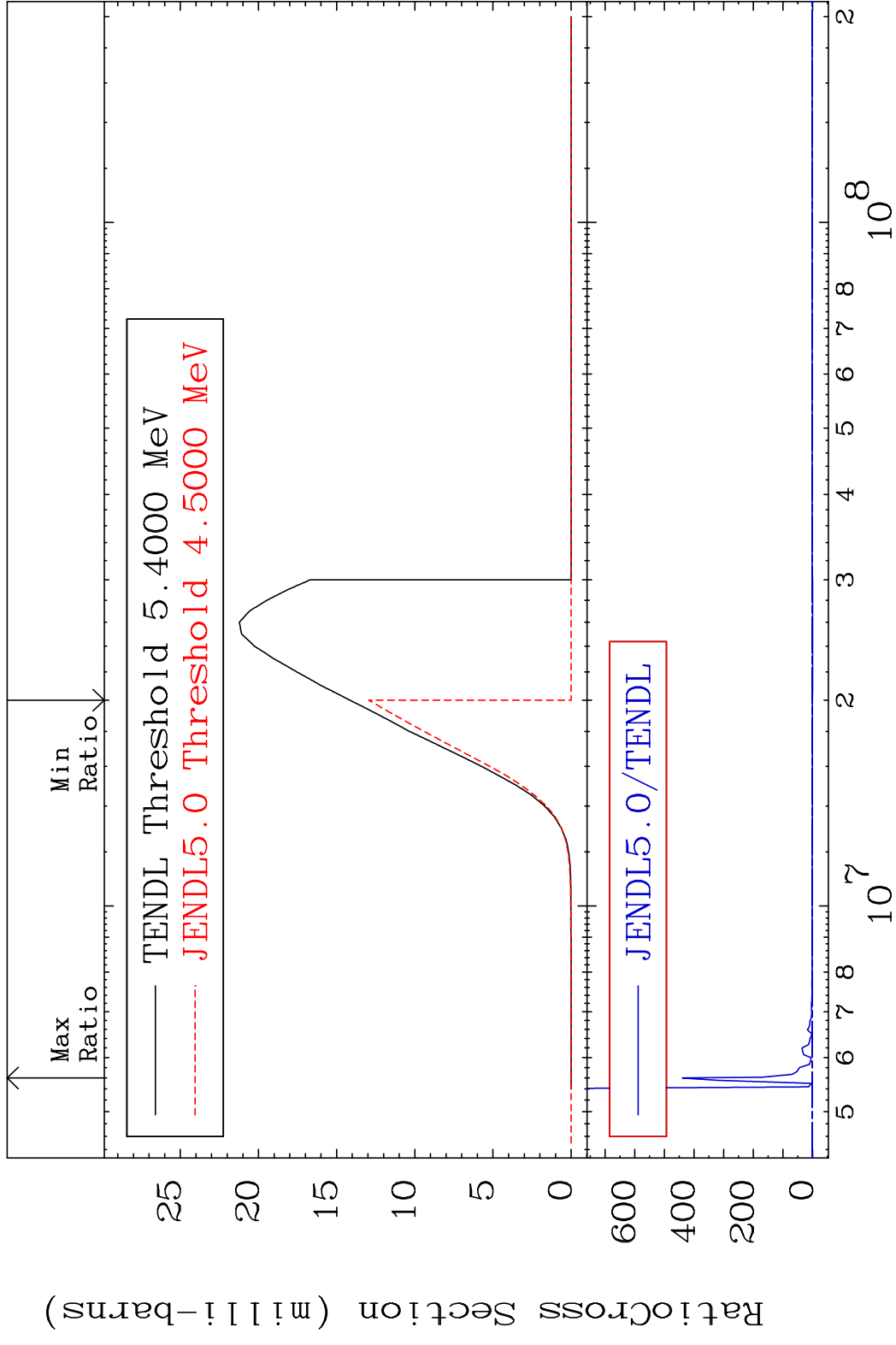


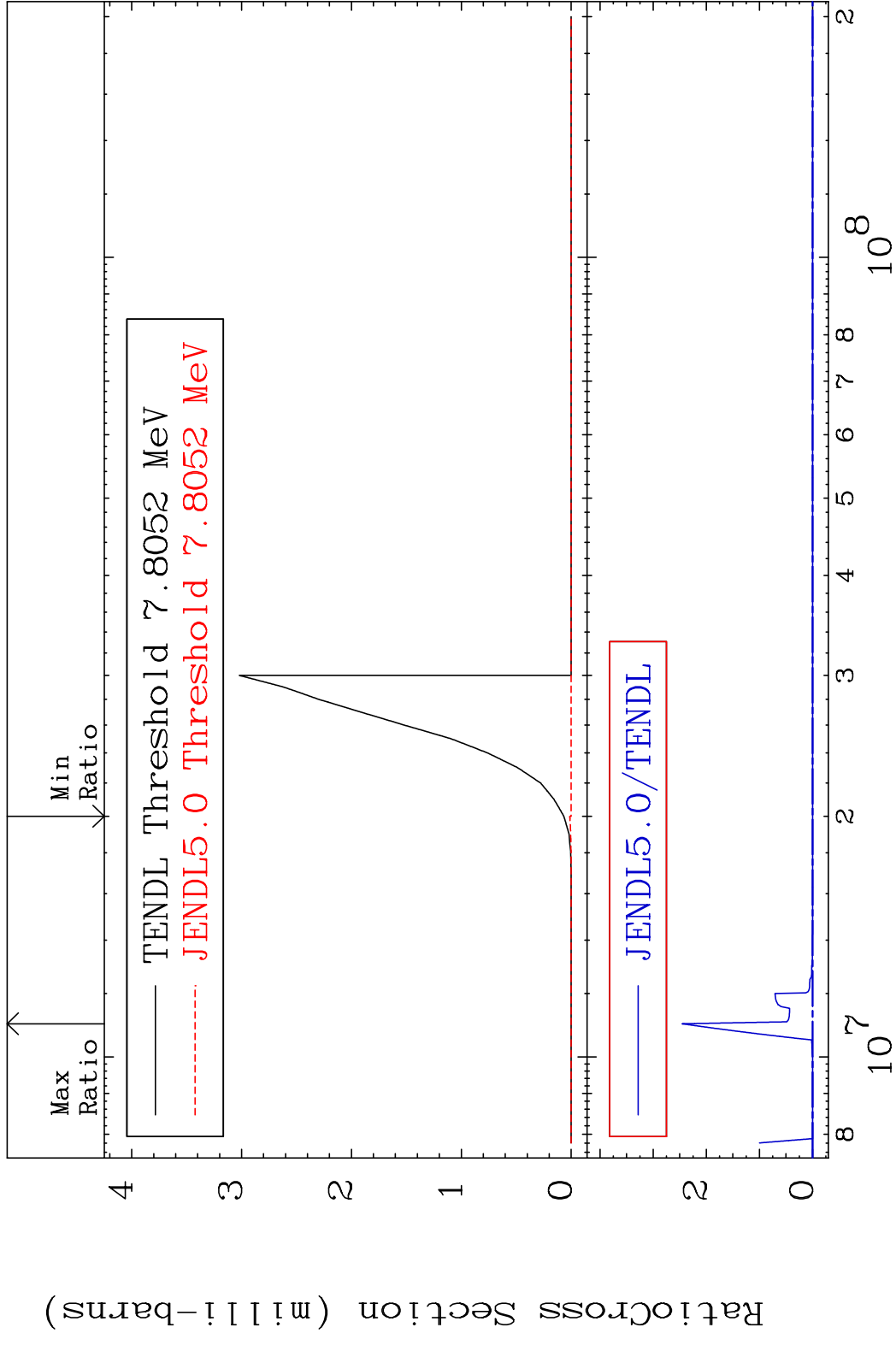
MAT 4125 (n,3n):41-Nb-91m1 41-Nb-93
 Radionuclide Production Cross Section 180.0 mb 37.28 %

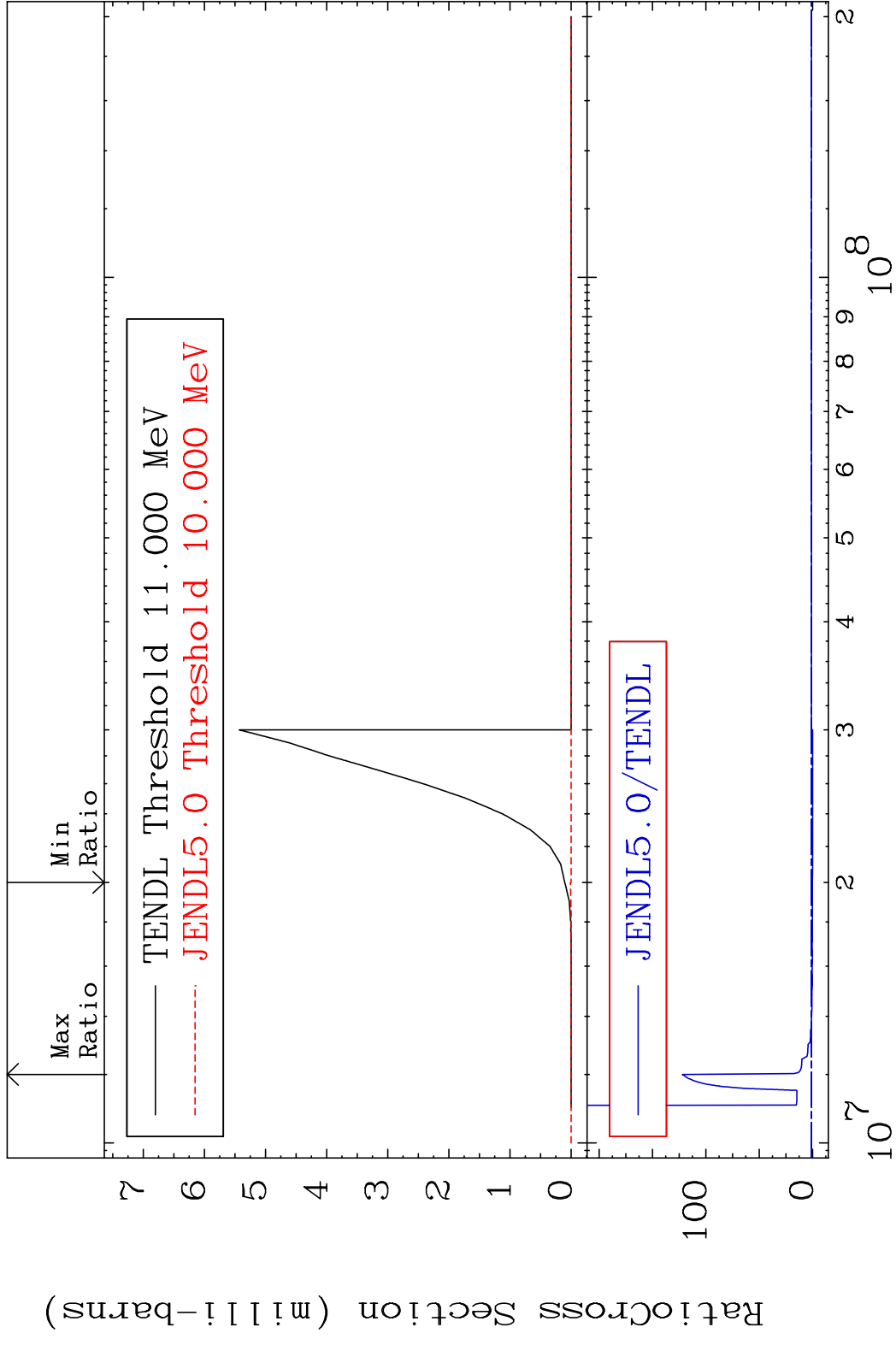


MAT 4125 (n, n') α :39-Y -89g 41-Nb-93
 Radionuclide Production Cross Section Ratio 9999. %

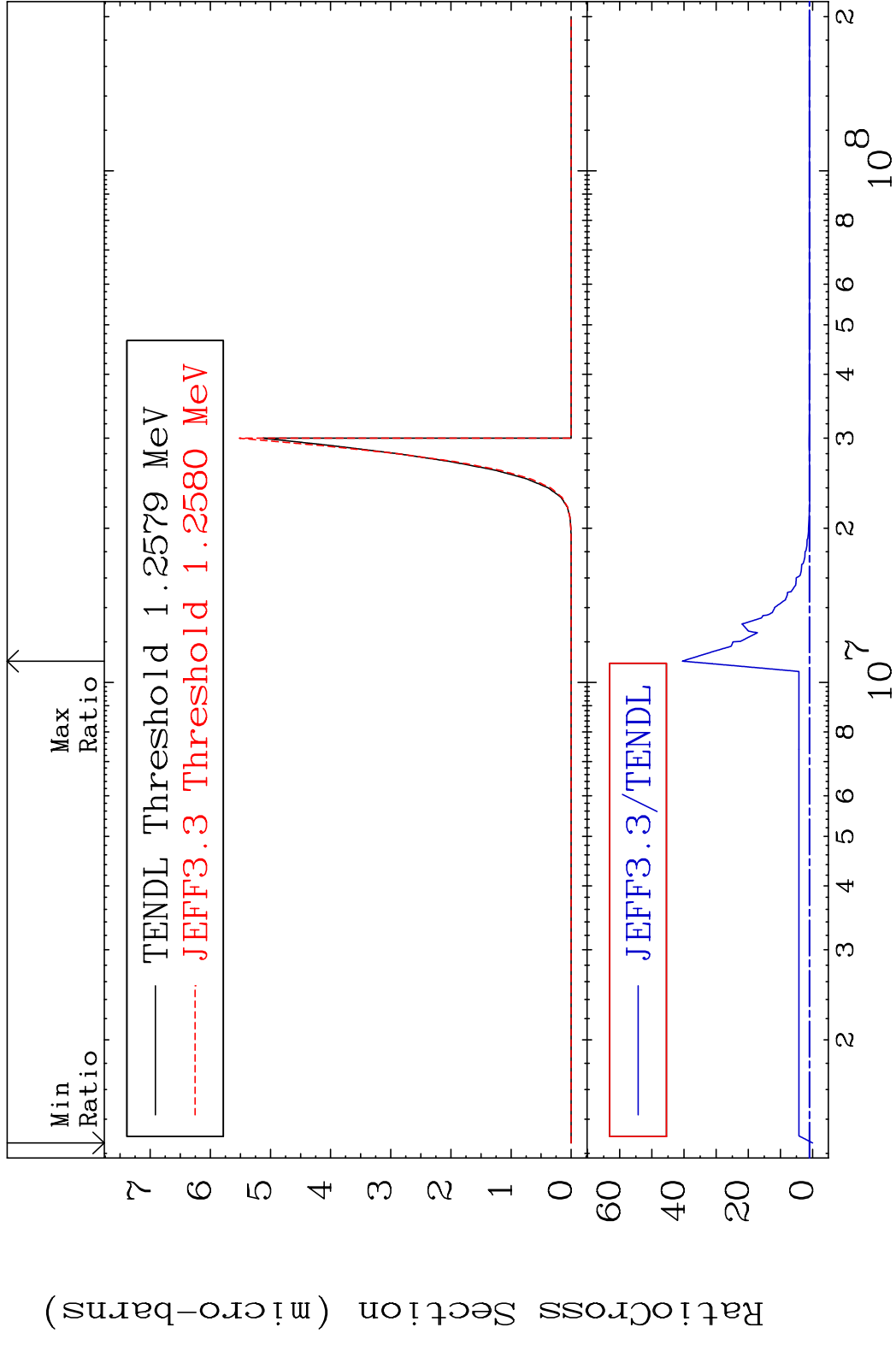








MAT 4125 (n,2α) 41-Nb-93
 Cross Section -100.0 To 3952. %

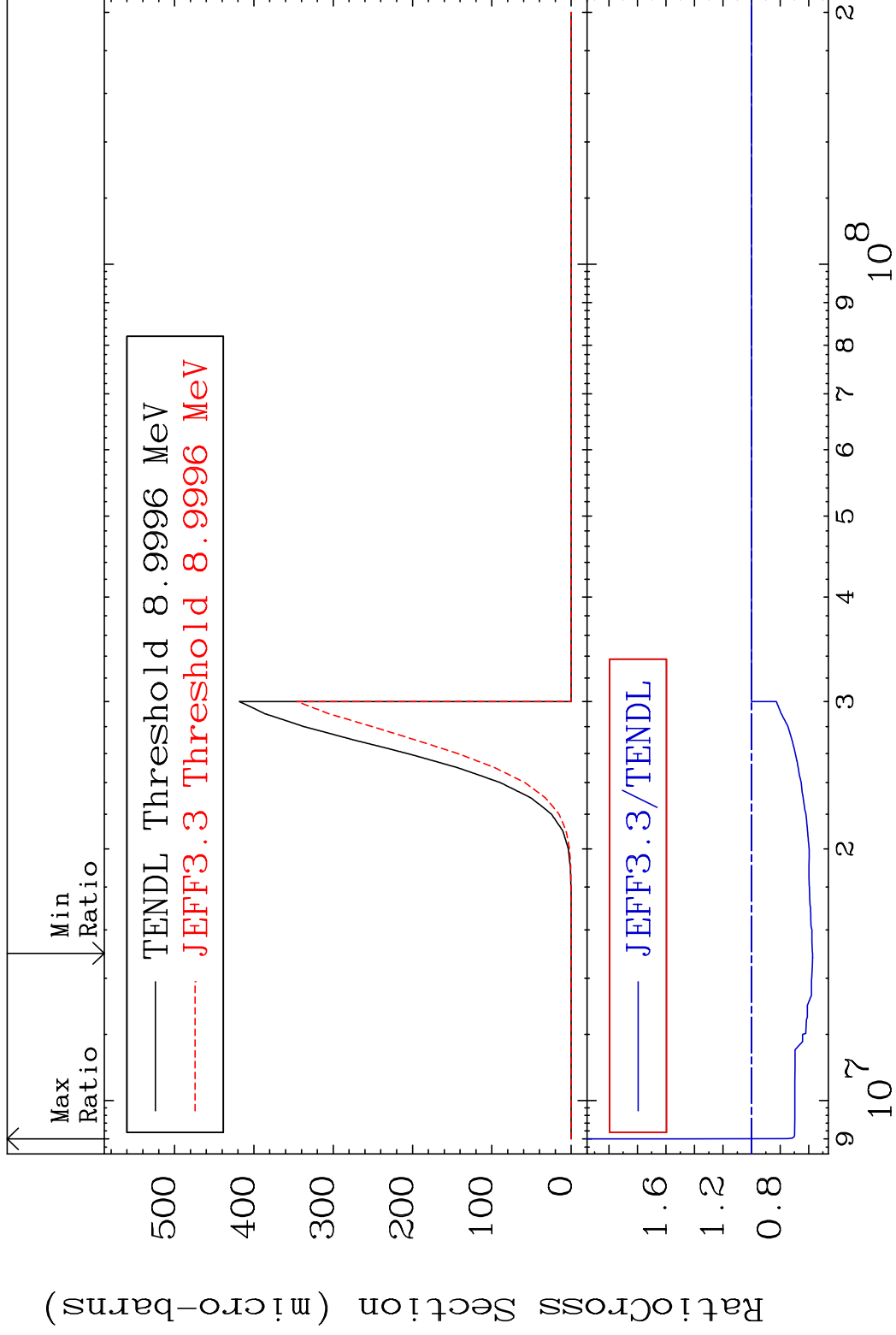


MAT 4125

(n,2p)

41-Nb-93

Cross Section -42.74 To 48.52 %



55

Incident Energy (eV)

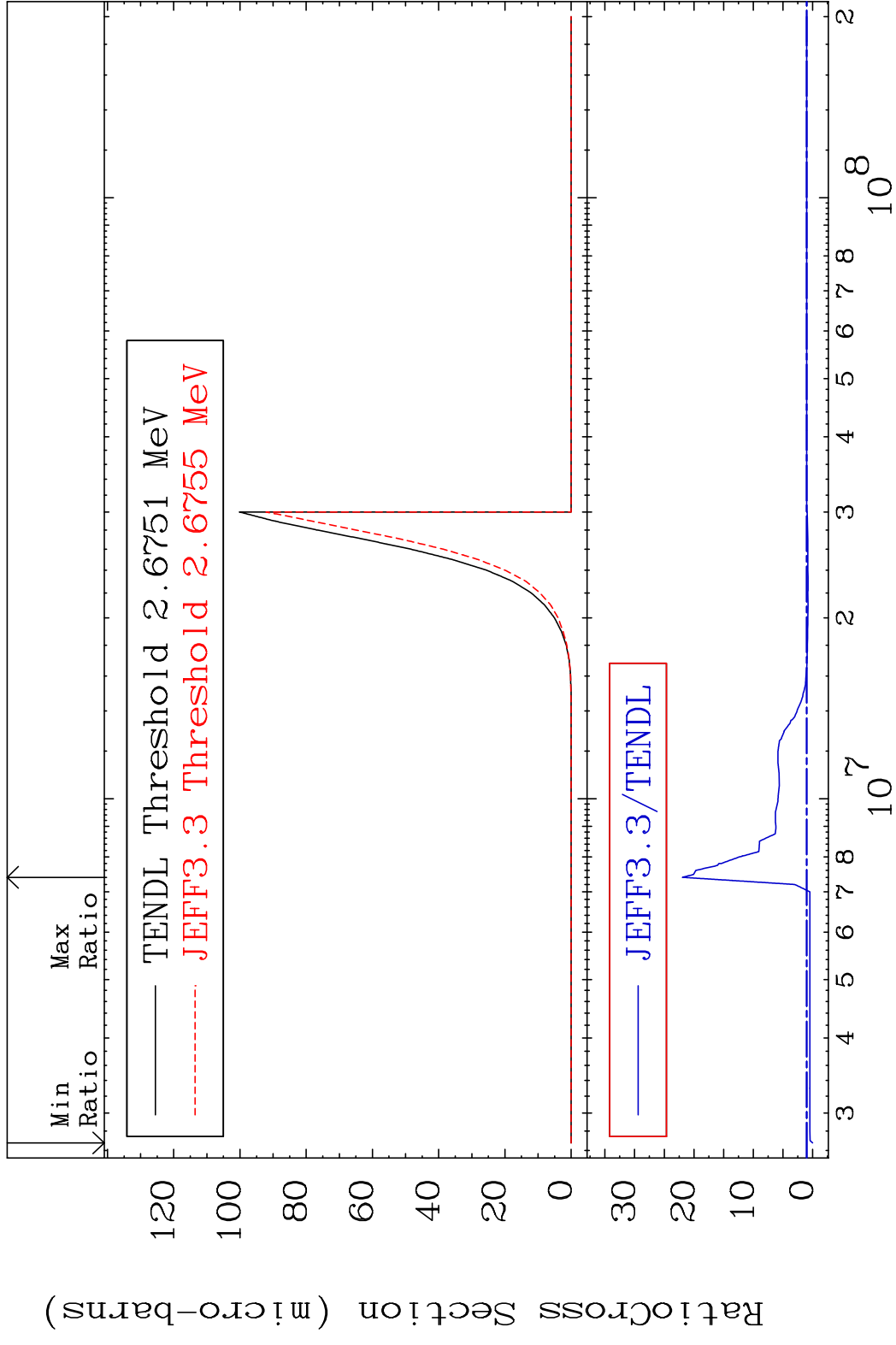
41-Nb-93

MAT 4125

(n,p) α

41-Nb-93

Cross Section -100.0 To 2095. %

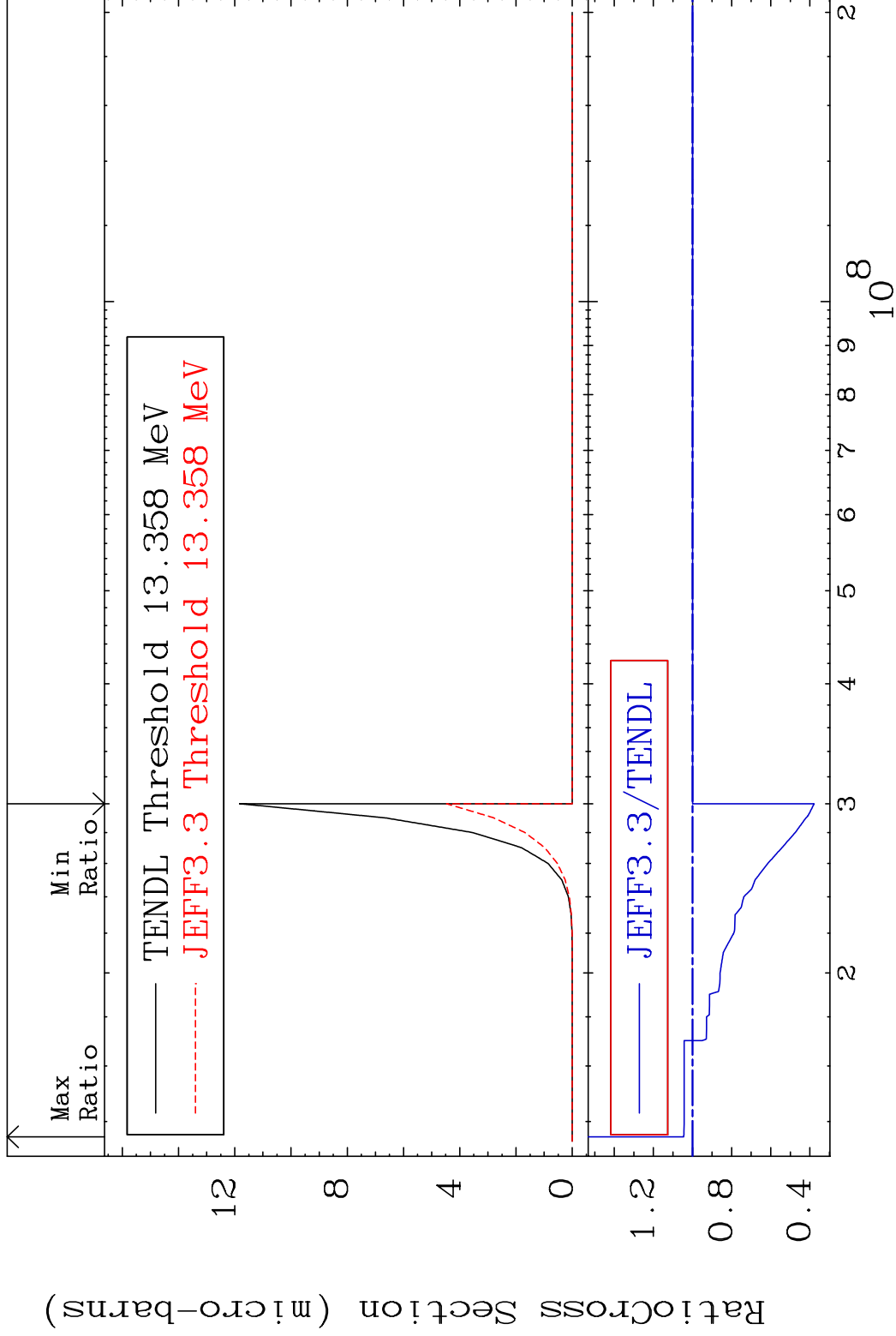


MAT 4125

(n,p) d

41-Nb-93

Cross Section -62.17 To 4.523 %

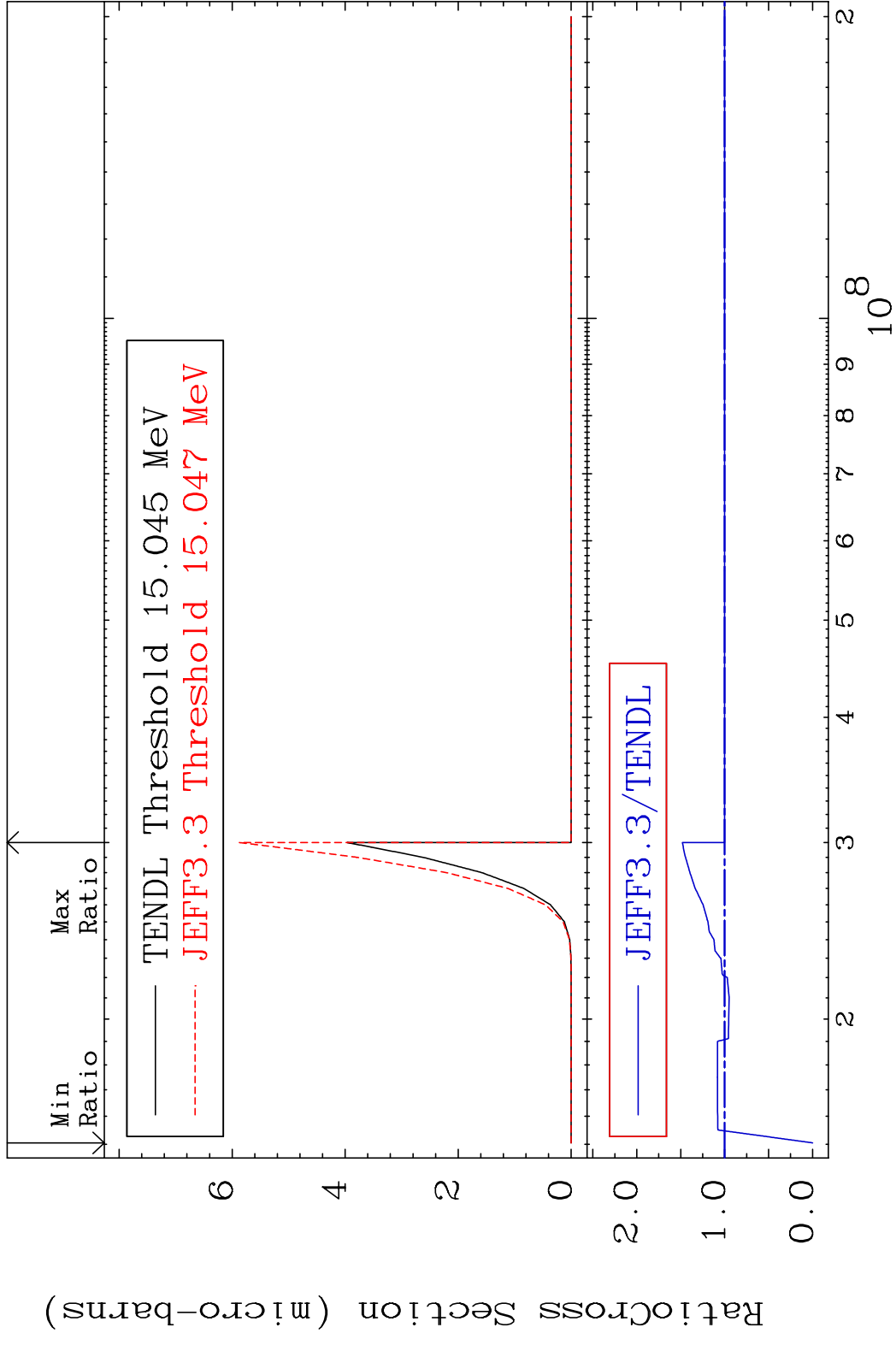


57

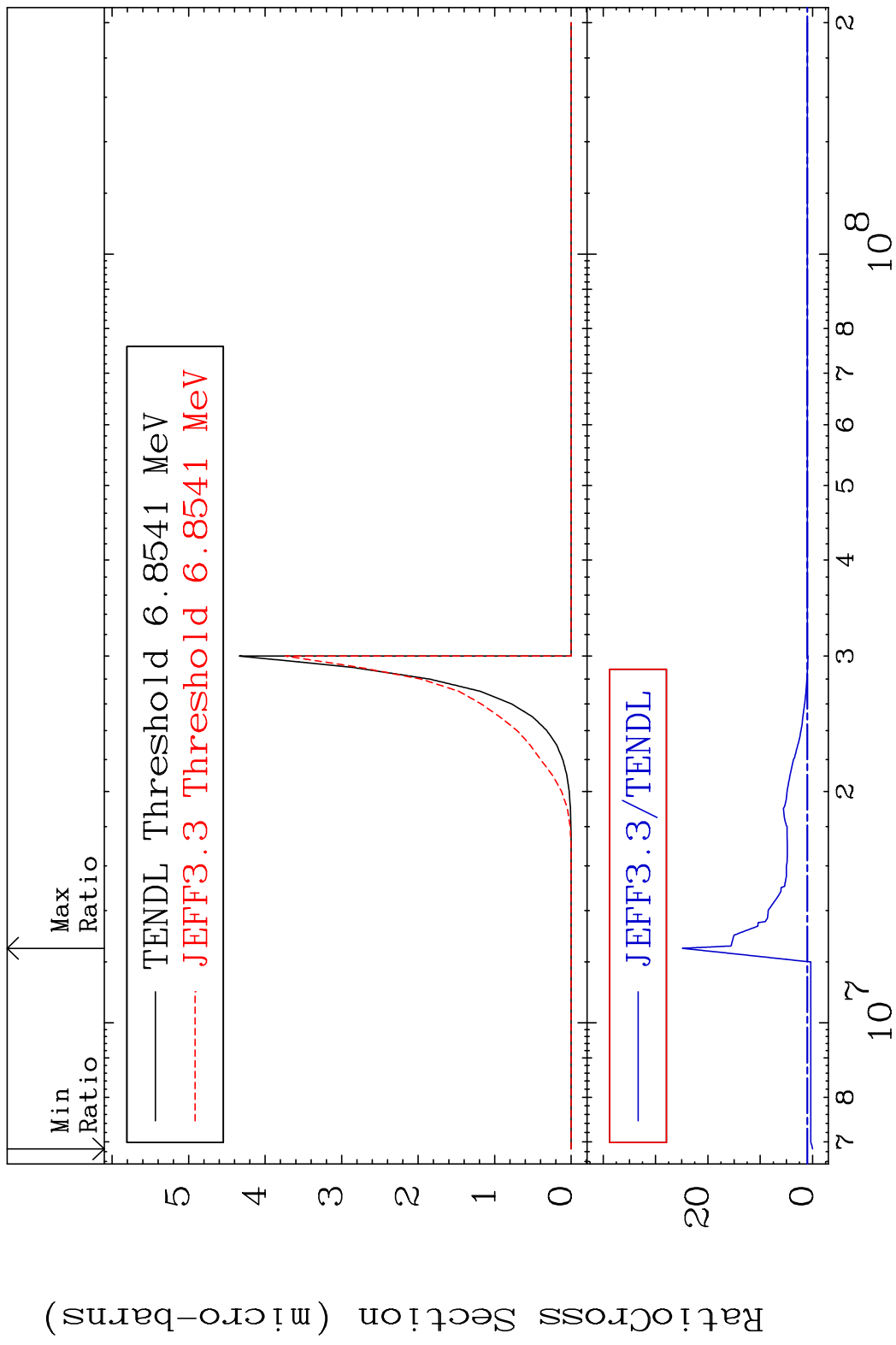
Incident Energy (eV)

41-Nb-93

MAT 4125 (n,p) t 41-Nb-93
 Cross Section -100.0 To 48.16 %



MAT 4125 (n,d) α 41-Nb-93
 Cross Section -100.0 To 2388. %

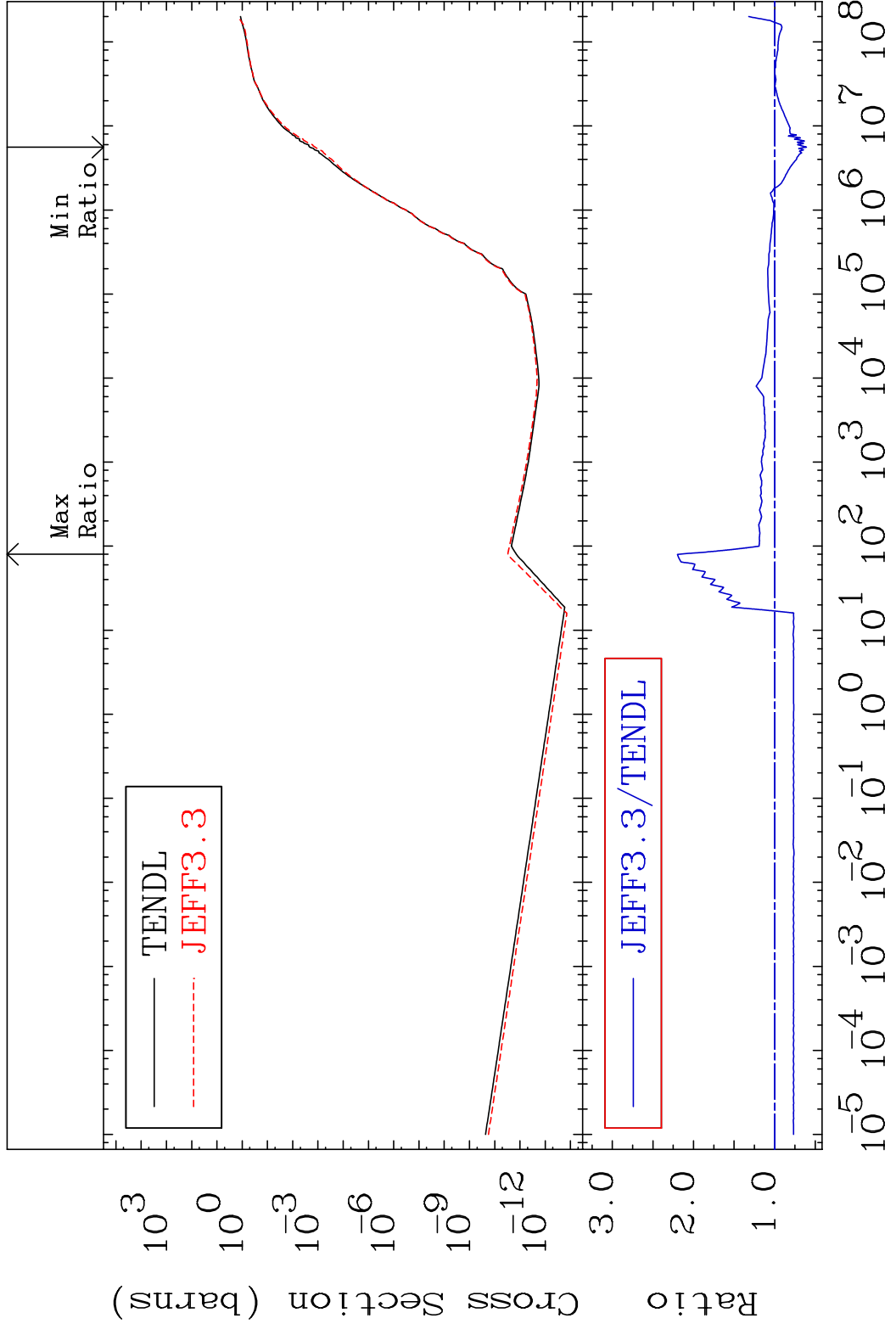


59 Incident Energy (eV) 41-Nb-93

MAT 4125

Hydrogen Production
Cross Section -39.10 To 120.1 %

41-Nb-93



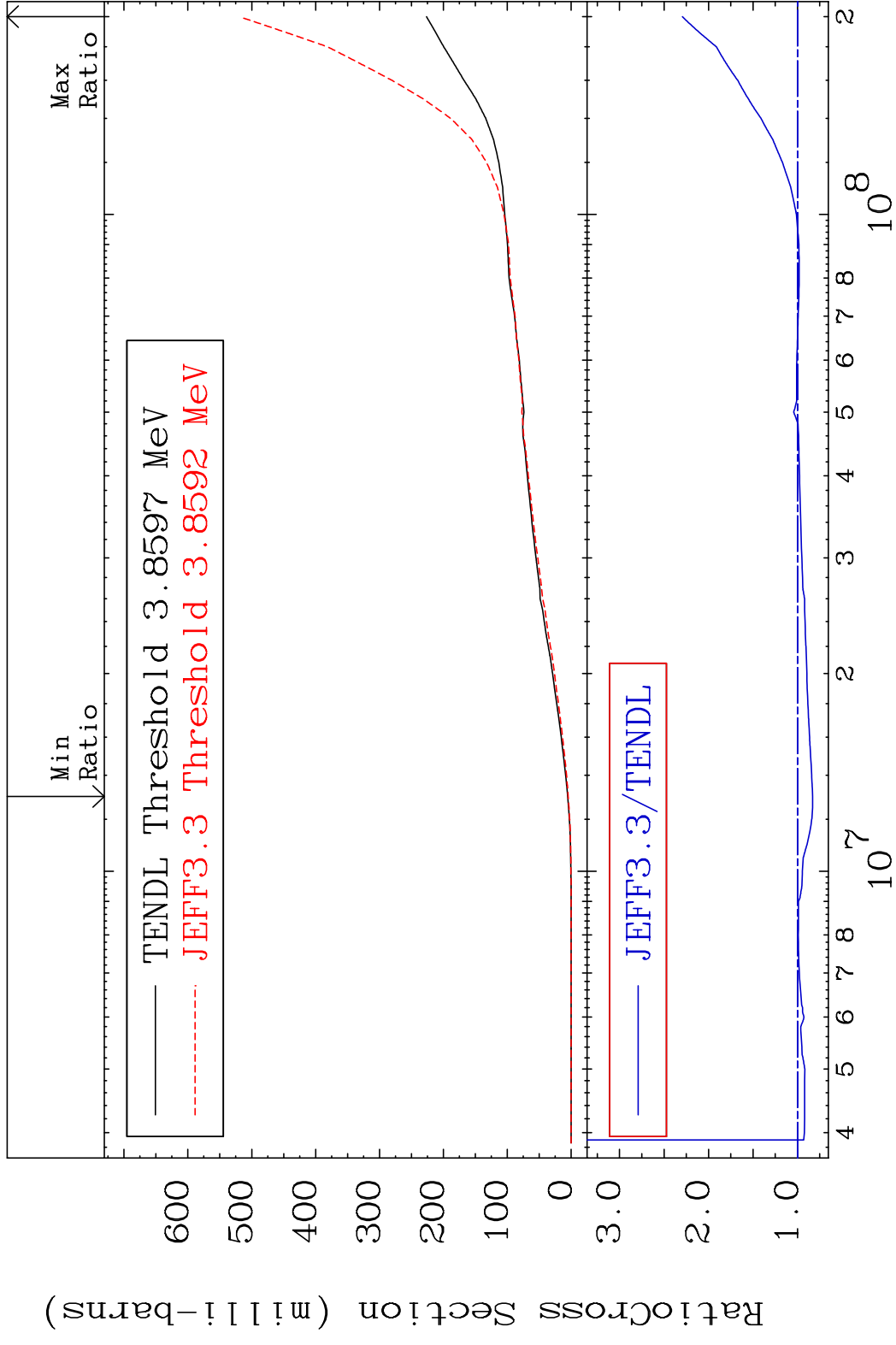
60

Incident Energy (eV)

41-Nb-93

MAT 4125

Deuterium Production 41-Nb-93
Cross Section -16.90 To 129.4 %



61

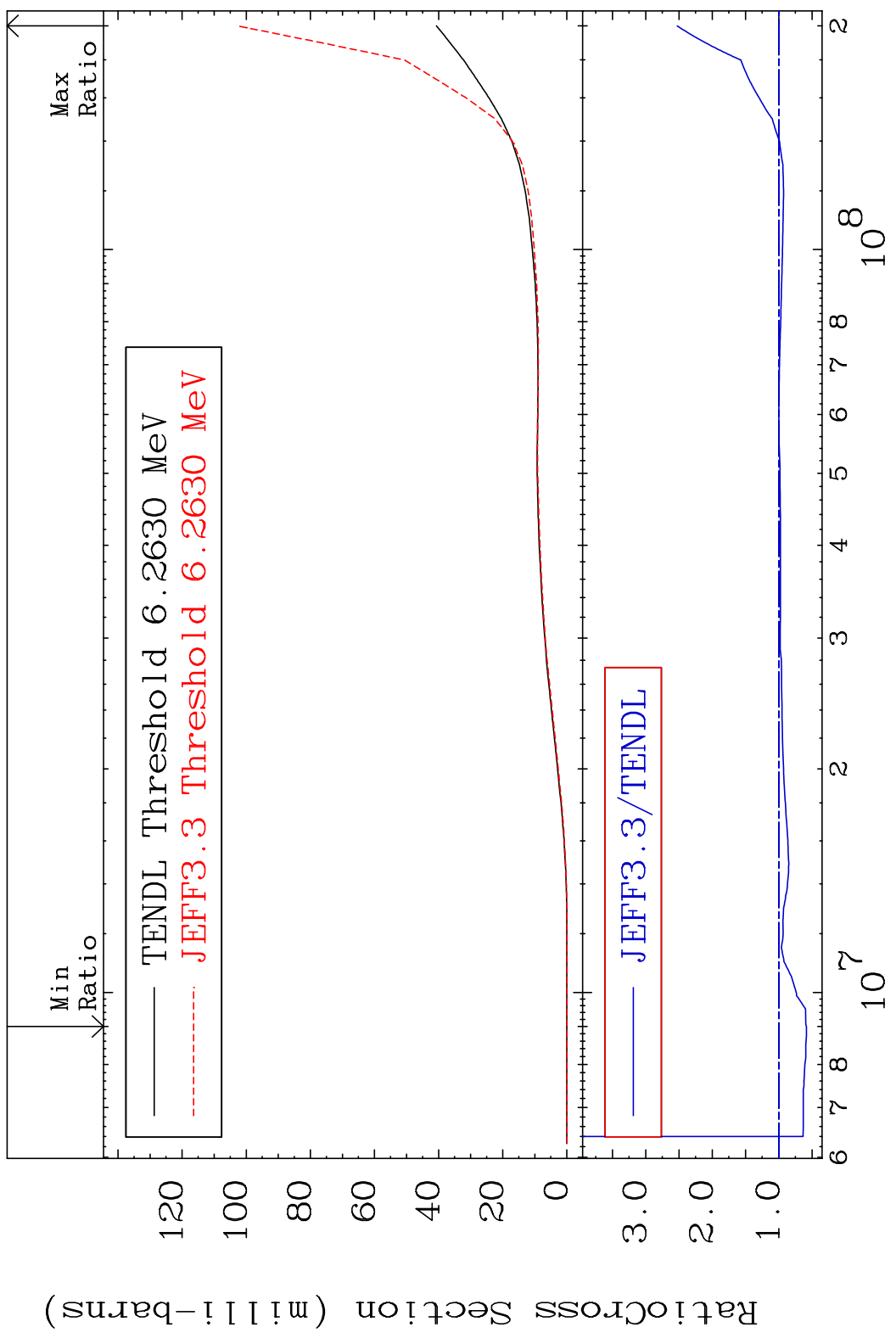
Incident Energy (eV) 41-Nb-93

MAT 4125

Tritium Production

41-Nb-93

Cross Section -41.45 To 152.7 %



62

Incident Energy (eV)

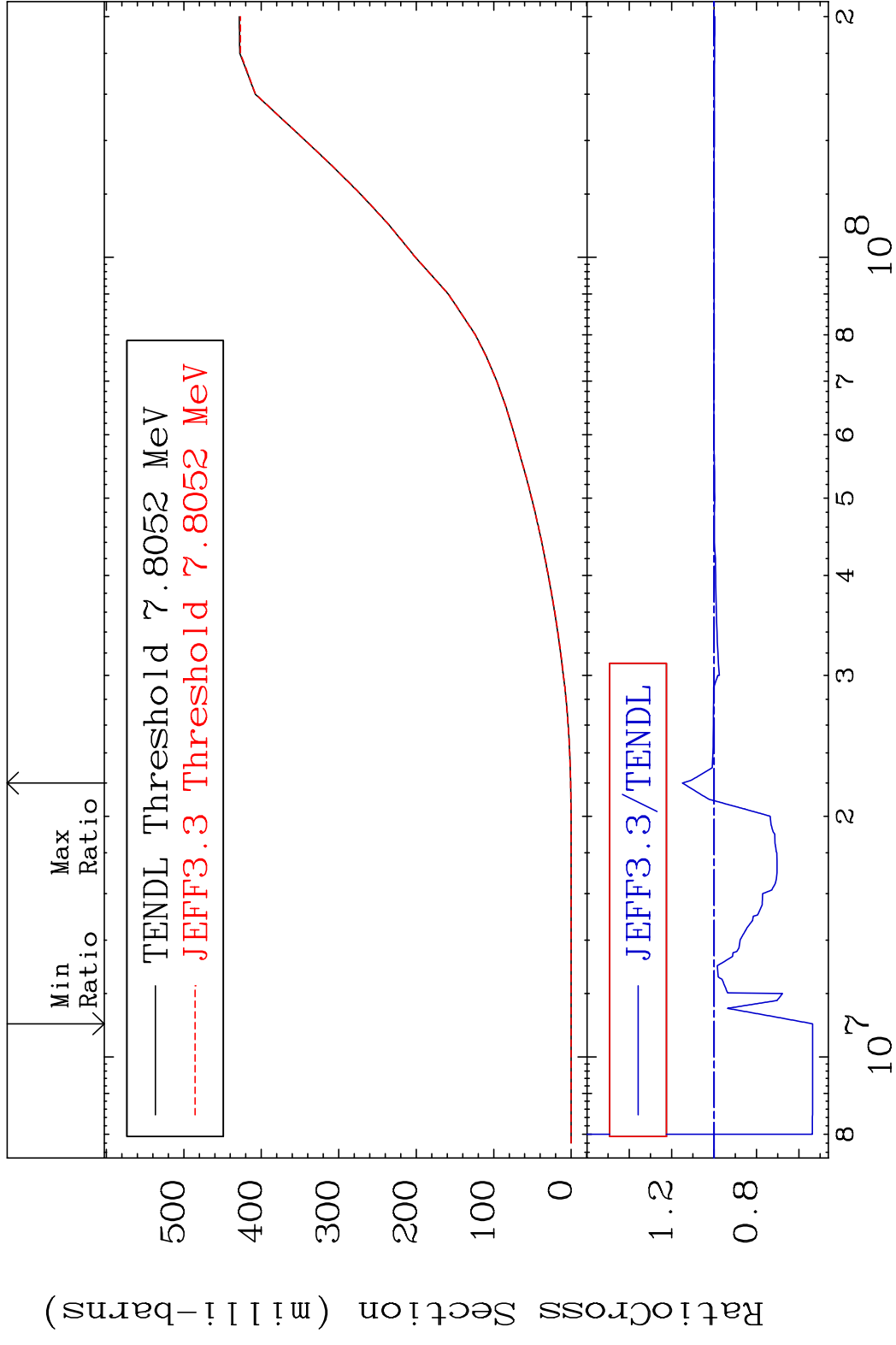
41-Nb-93

MAT 4125

He-3 Production

41-Nb-93

Cross Section -46.42 To 14.98 %



63

Incident Energy (eV)

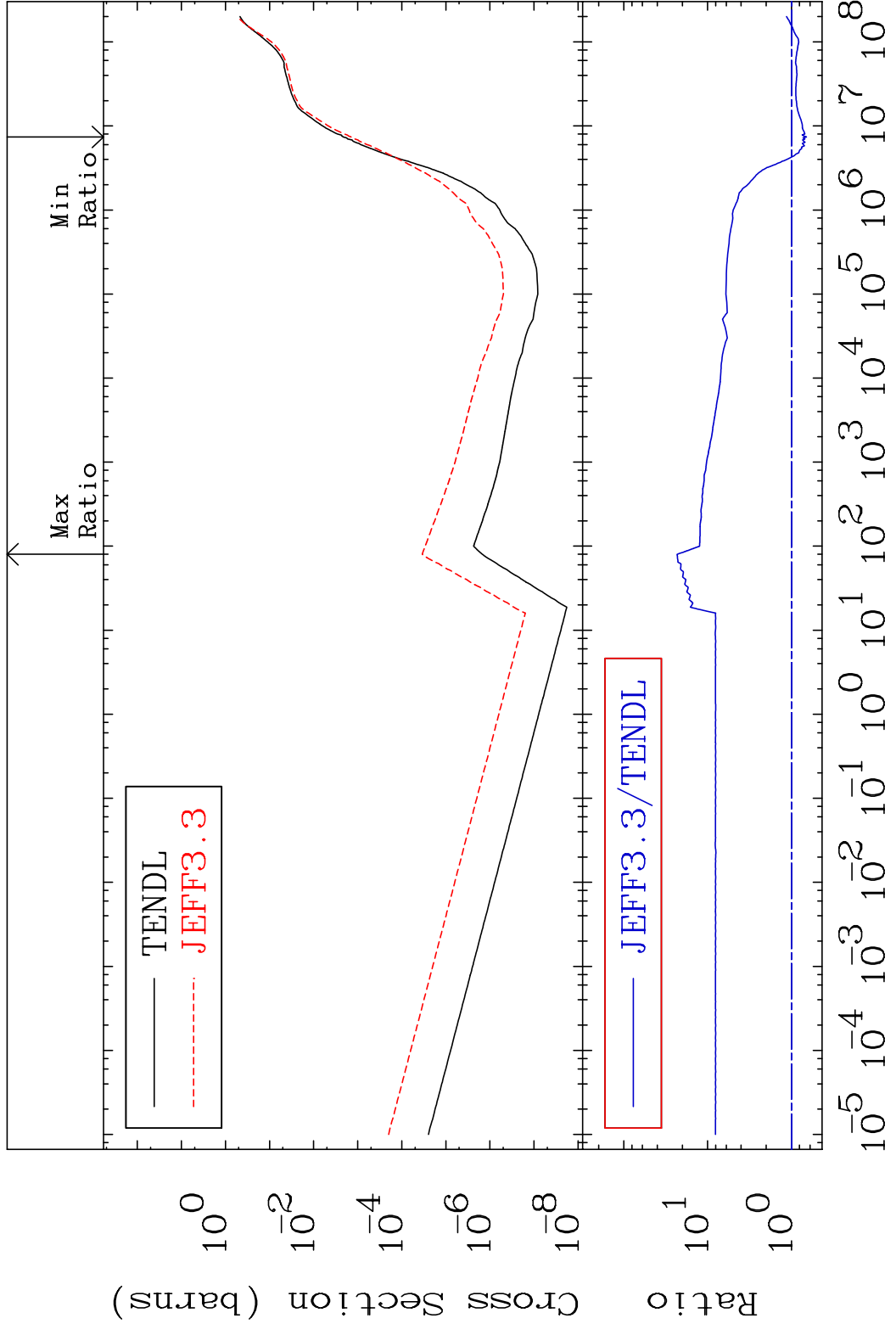
41-Nb-93

MAT 4125

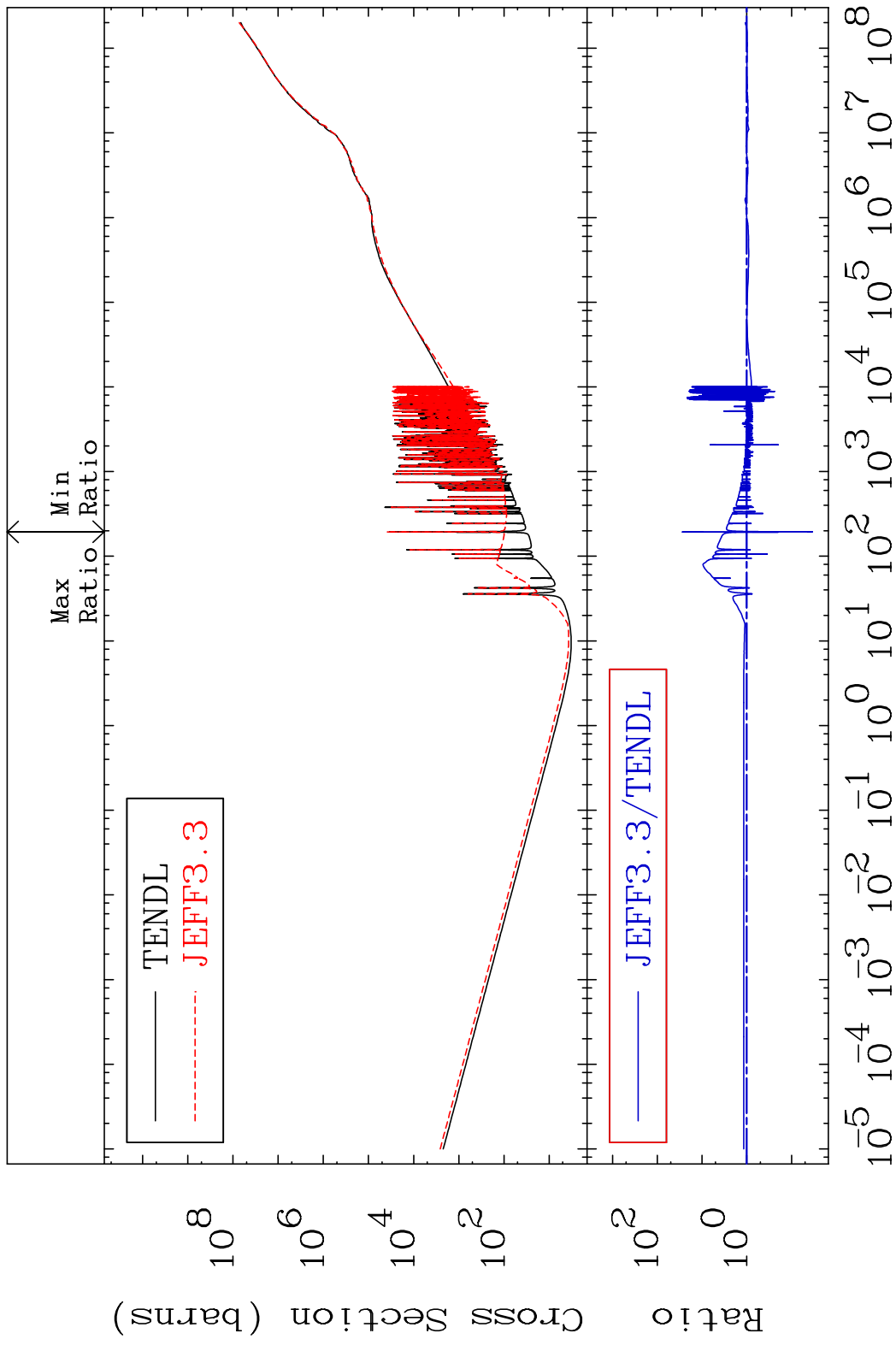
He-4 Production

41-Nb-93

Cross Section -33.75 To 2209. %



MAT 4125 Kerma total (eV-barns) 41-Nb-93
 Cross Section -96.60 To 2654. %

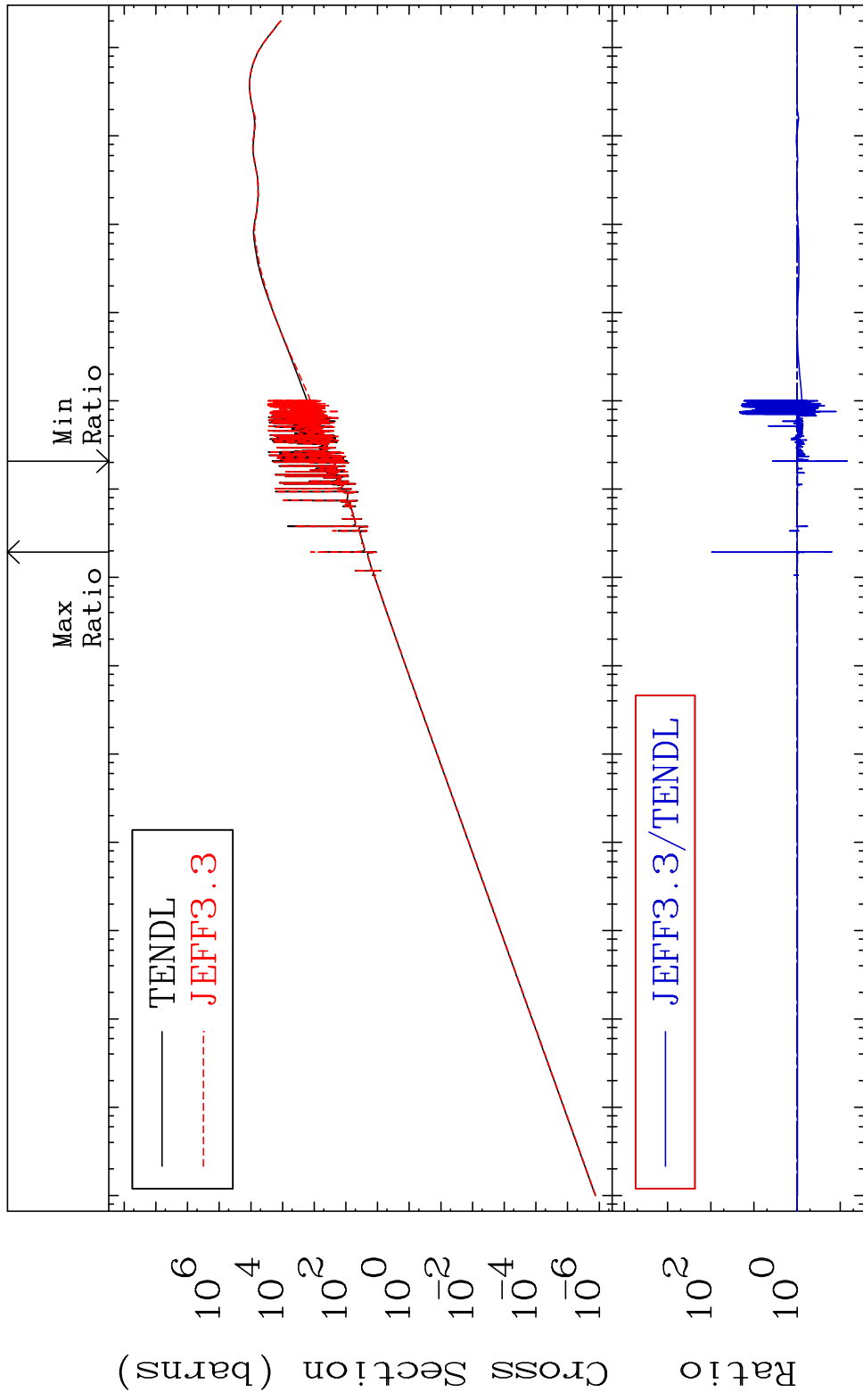


65 Incident Energy (eV) 41-Nb-93

MAT 4125

Kerma elastic Cross Section -93.11 To 9488. %

41-Nb-93

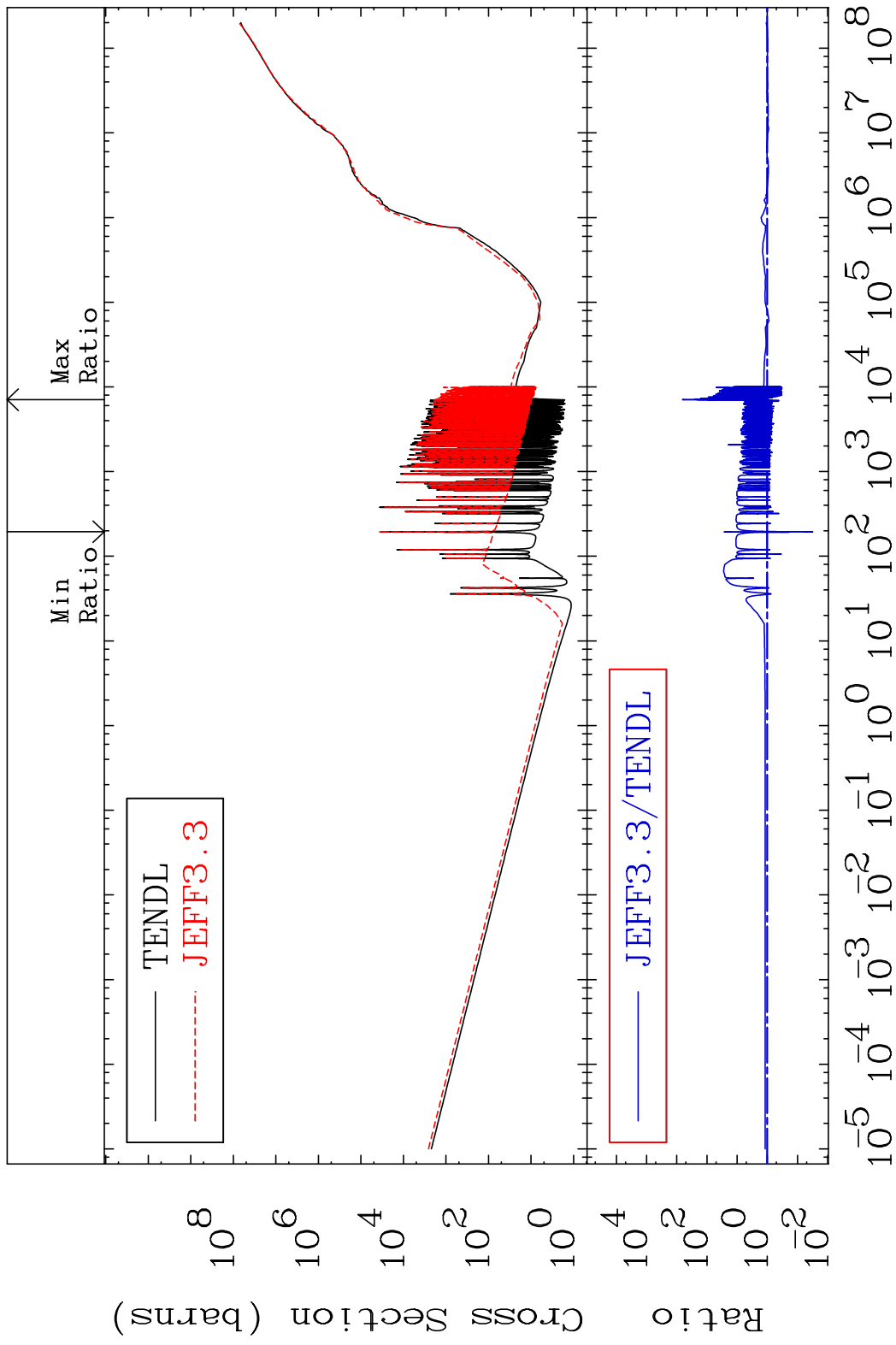


66

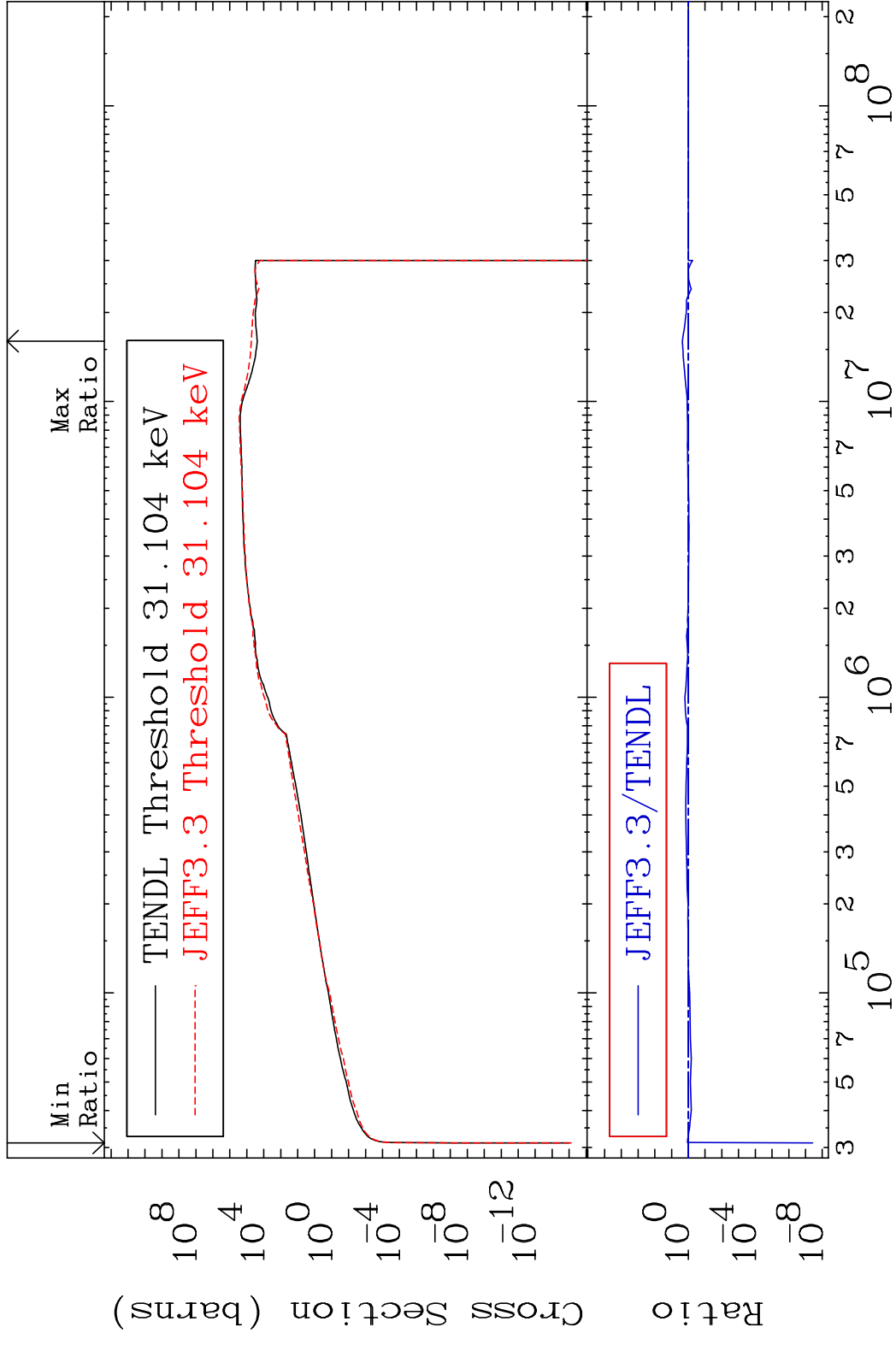
Incident Energy (eV)

41-Nb-93

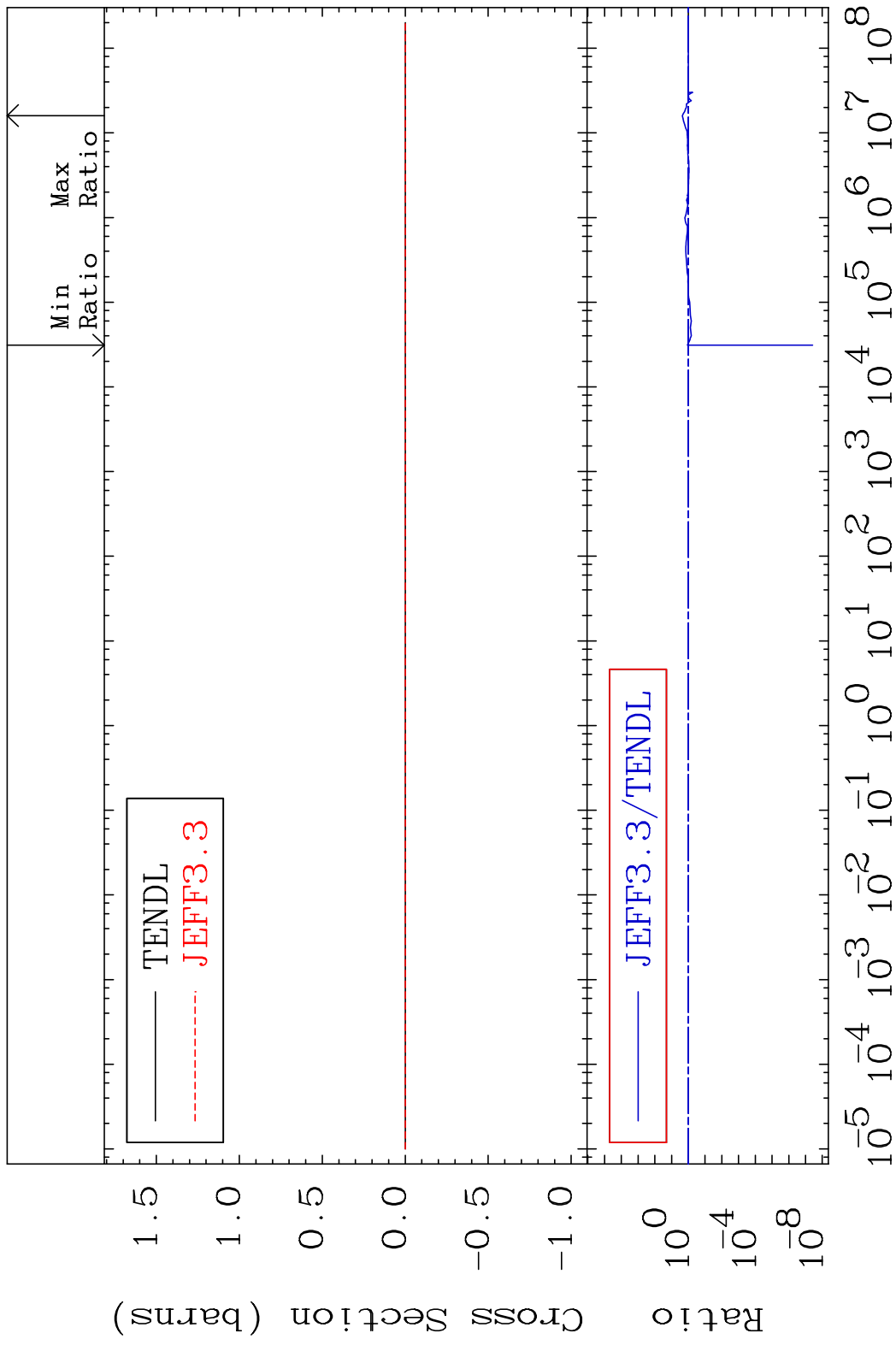
MAT 4125 Kerma non-elastic (all but mt2) 41-Nb-93
 Cross Section -96.83 To 9999. %



MAT 4125 Kerma inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 126.9 %



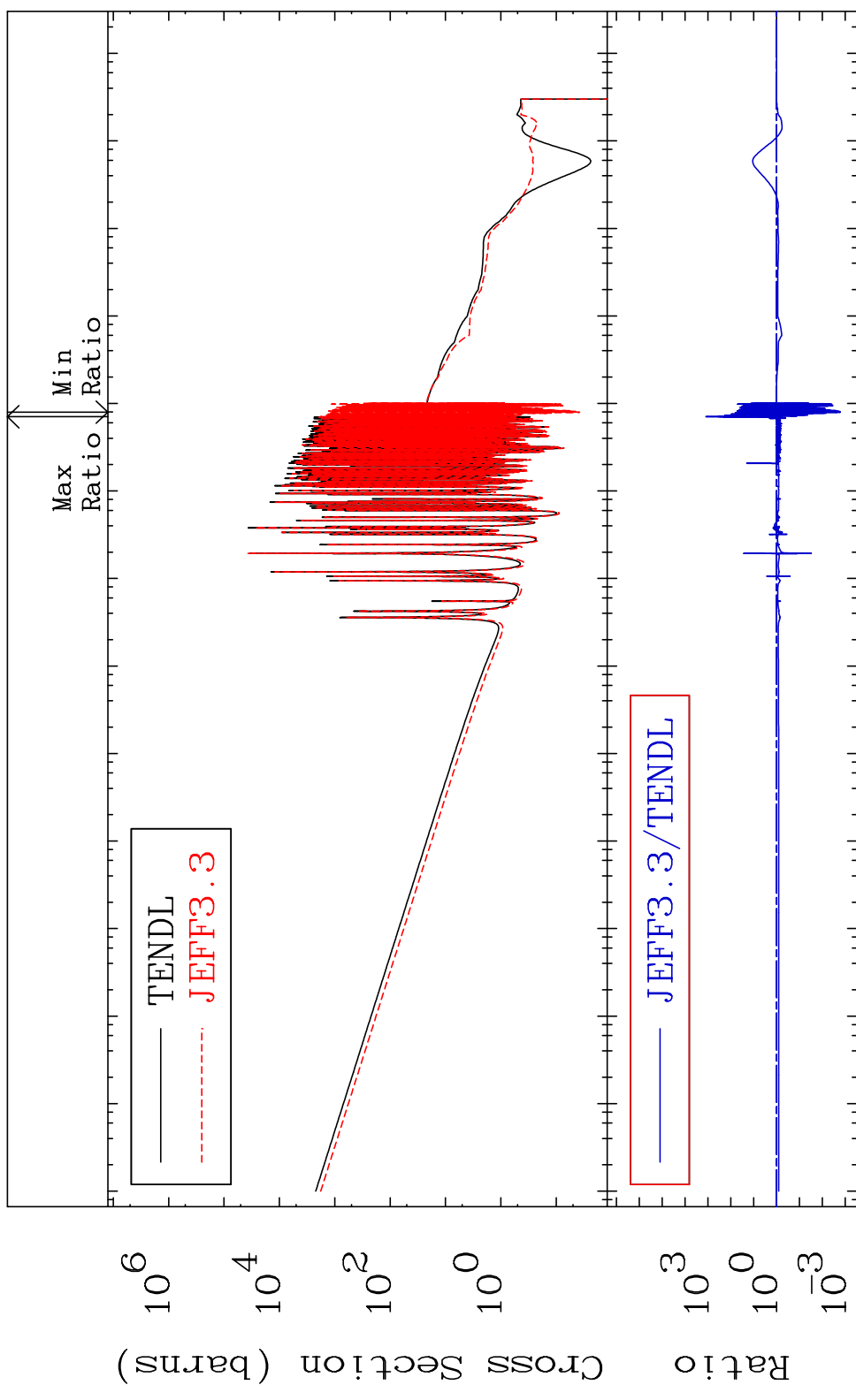
MAT 4125 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93
 Cross Section -100.0 To 126.9 %



MAT 4125

Kerma capture (mt102) 41-Nb-93

Cross Section -99.84 To 9999. %

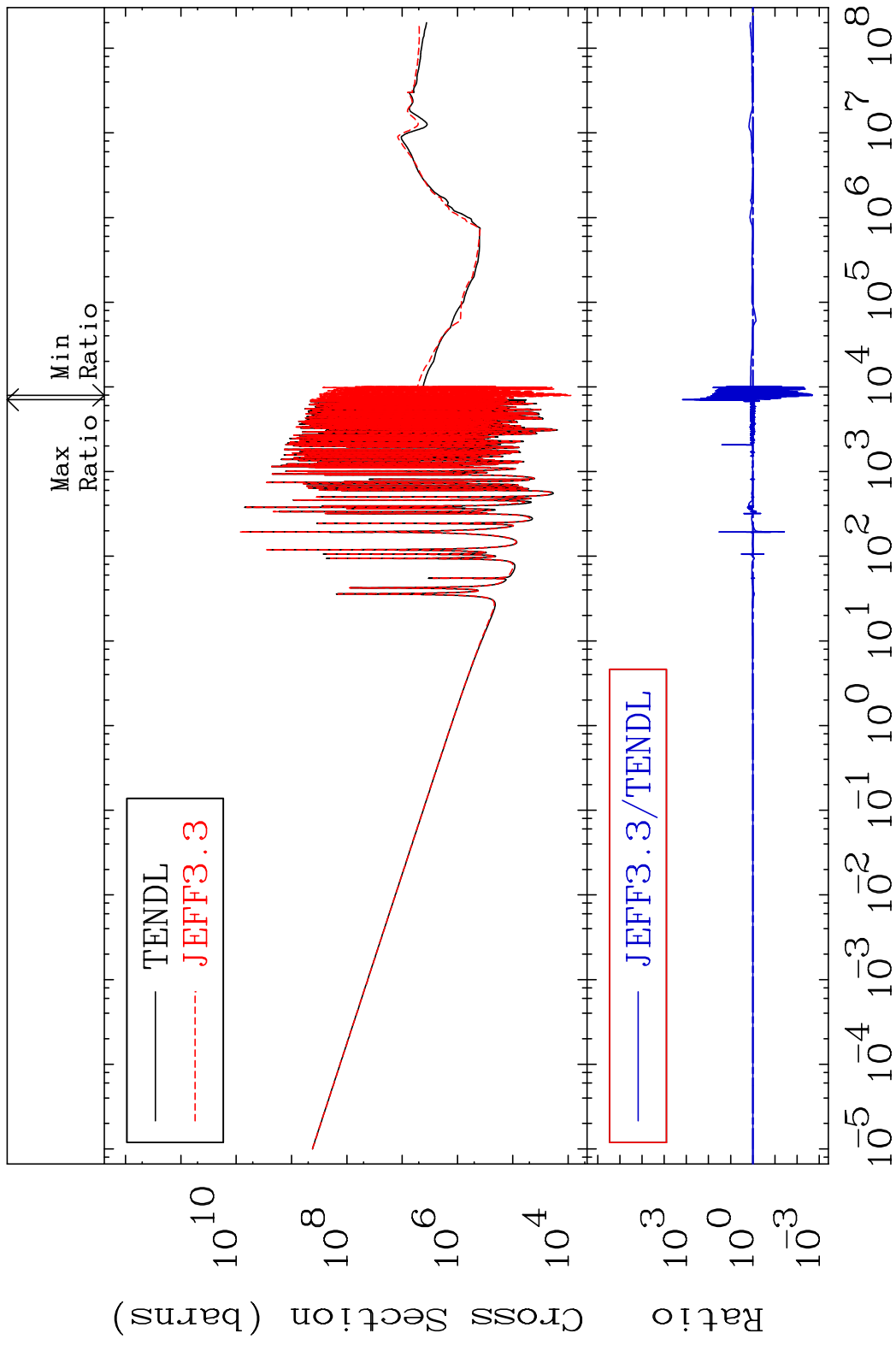


70

Incident Energy (eV)

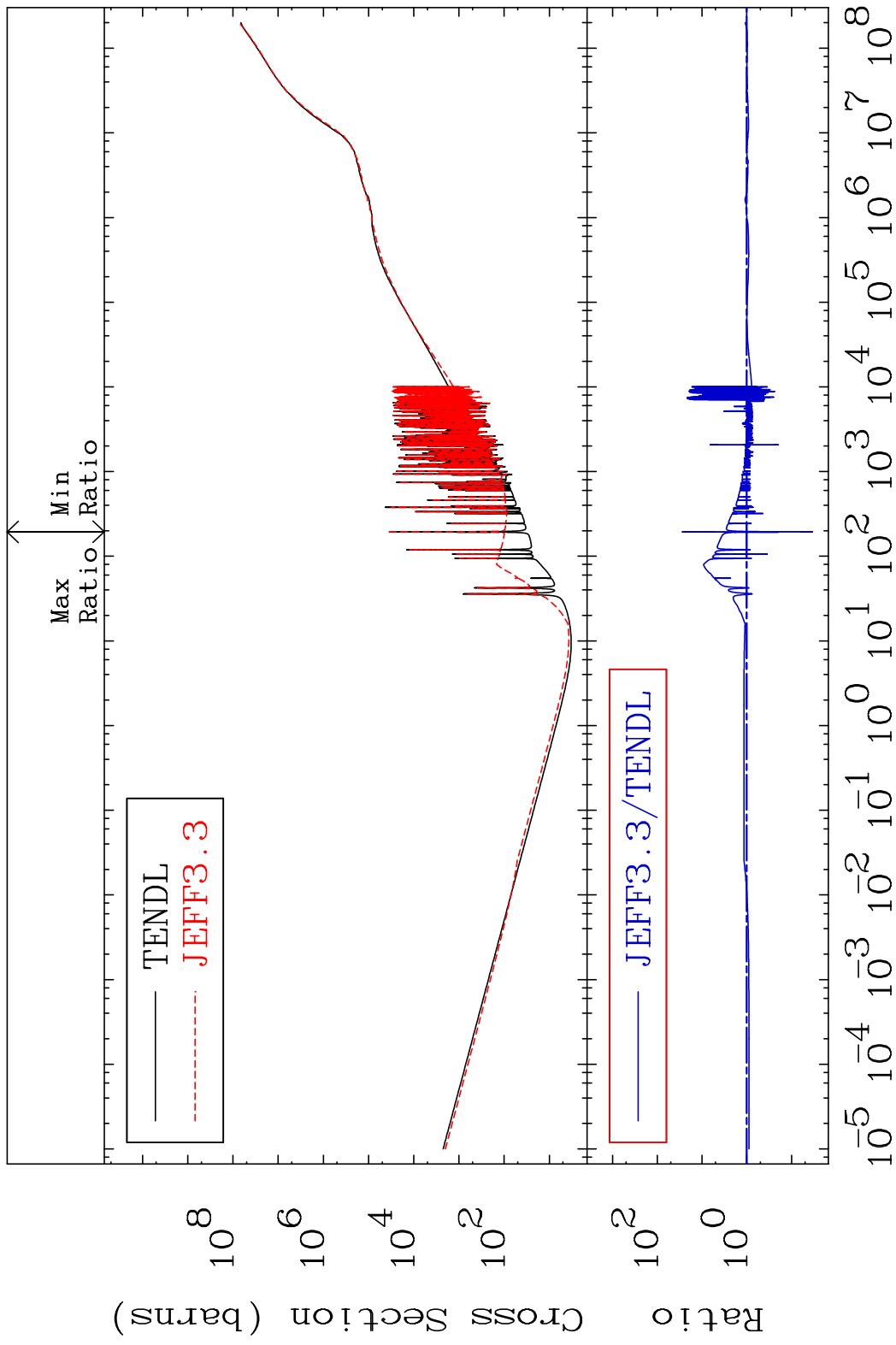
41-Nb-93

MAT 4125 Total photon (eV-barns) 41-Nb-93
Cross Section -99.80 To 9999. %



71 Incident Energy (eV) 41-Nb-93

MAT 4125 Total kinematic kerma (high limit) 41-Nb-93
 Cross Section -96.60 To 2654. %

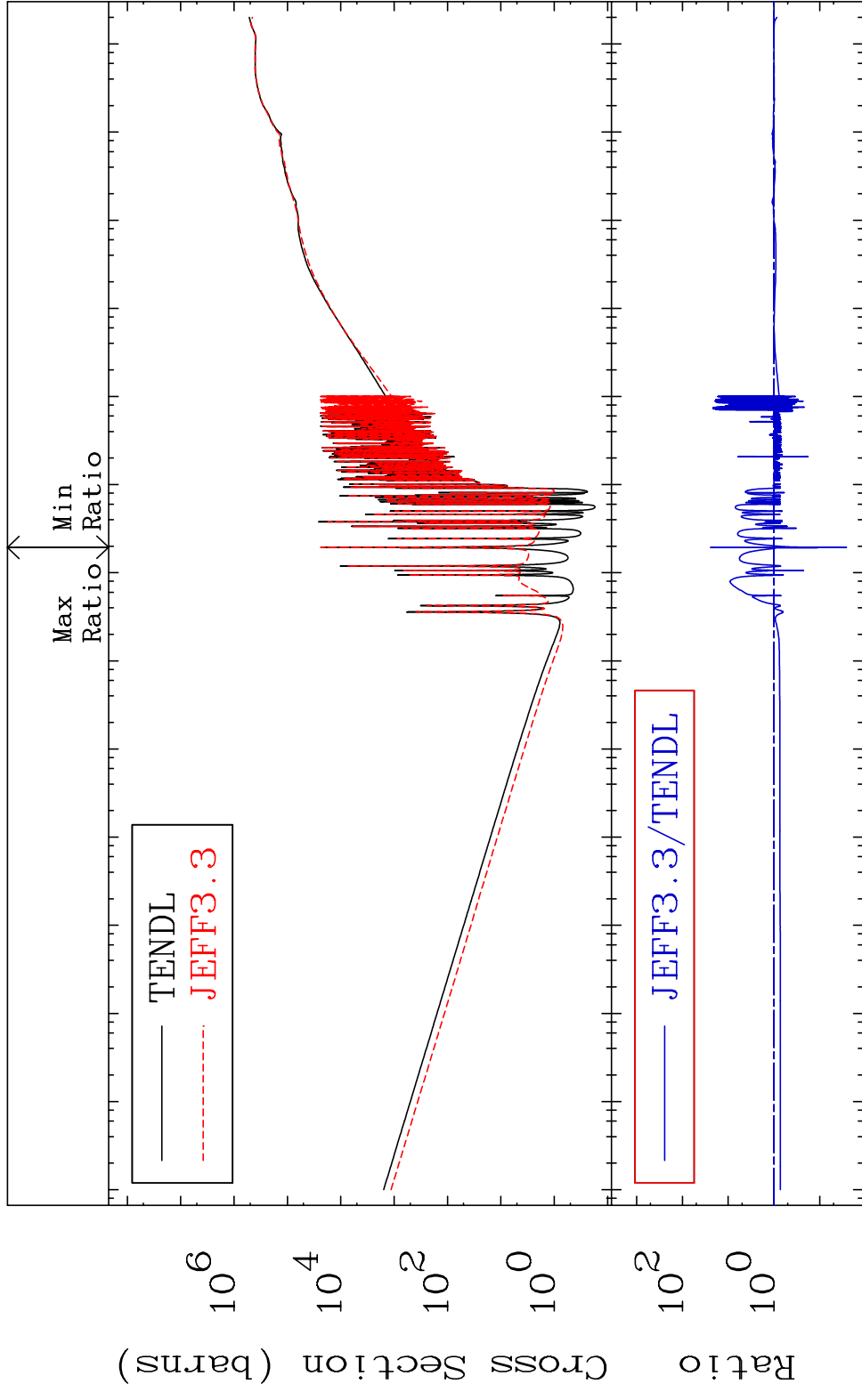


MAT 4125

Dpa total (eV-barns)

41-Nb-93

Cross Section -97.36 To 2308. %



73

Incident Energy (eV)

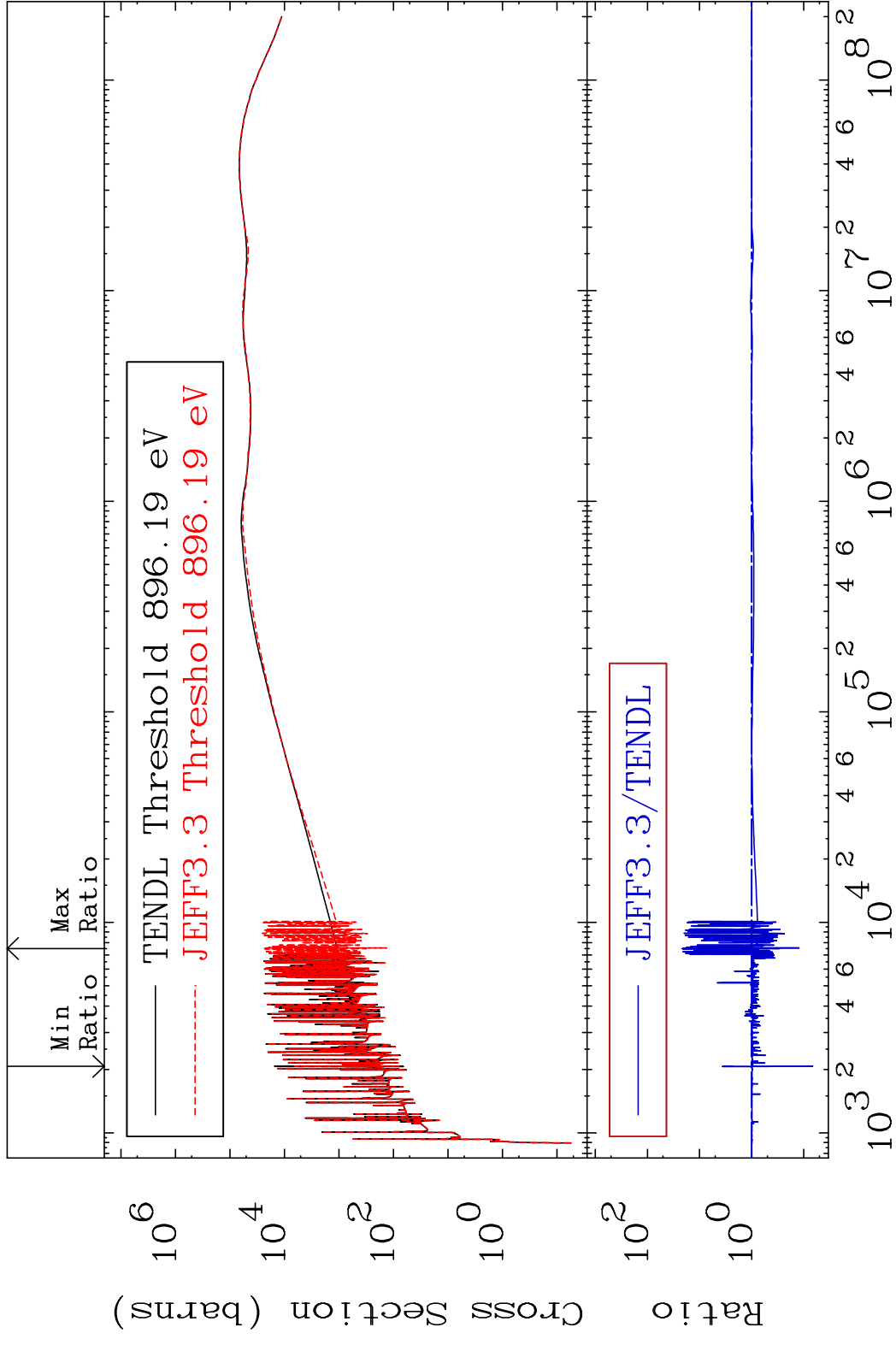
41-Nb-93

MAT 4125

Dpa elastic (mt2)

41-Nb-93

Cross Section -93.22 To 2036. %

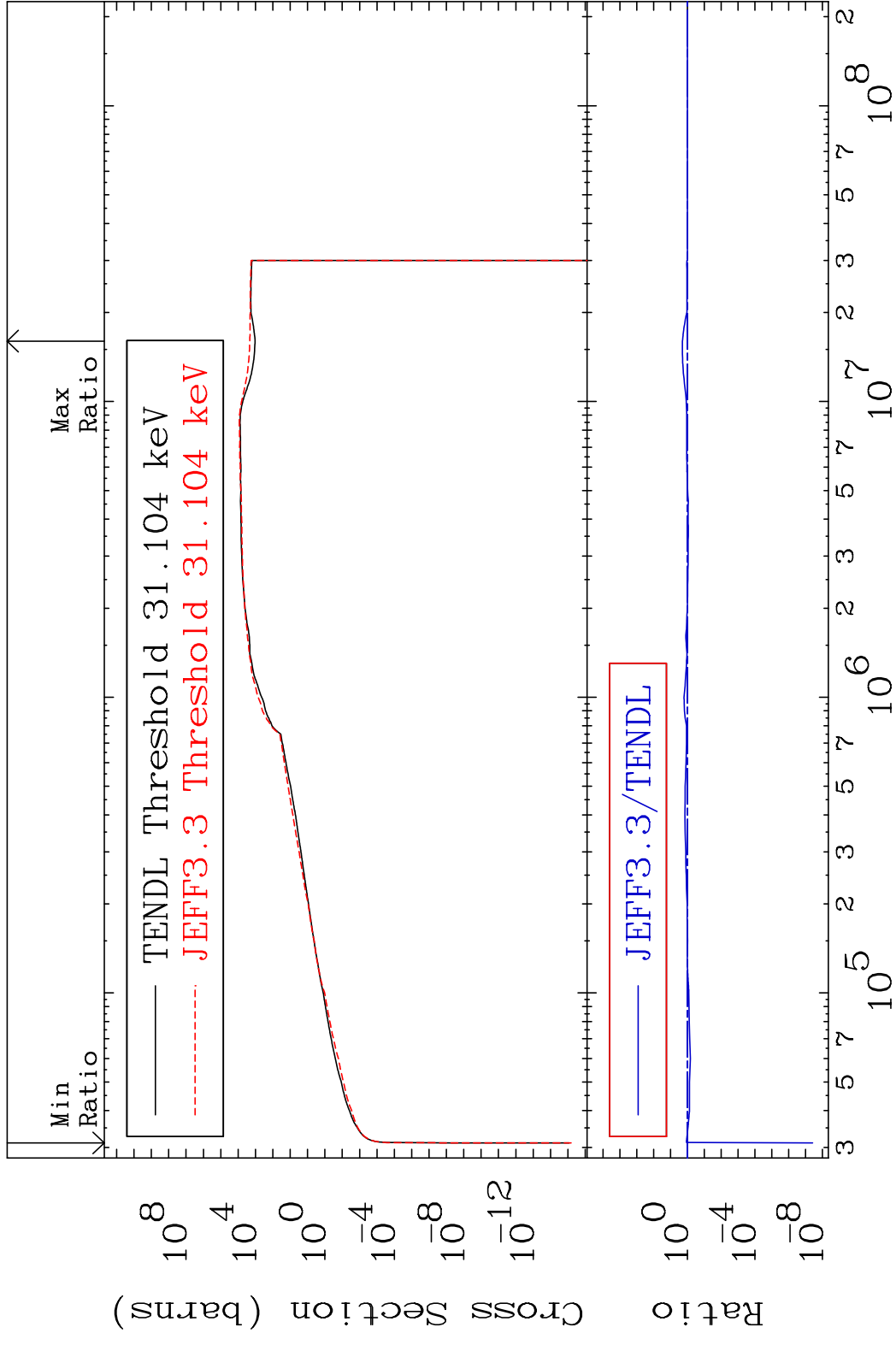


74

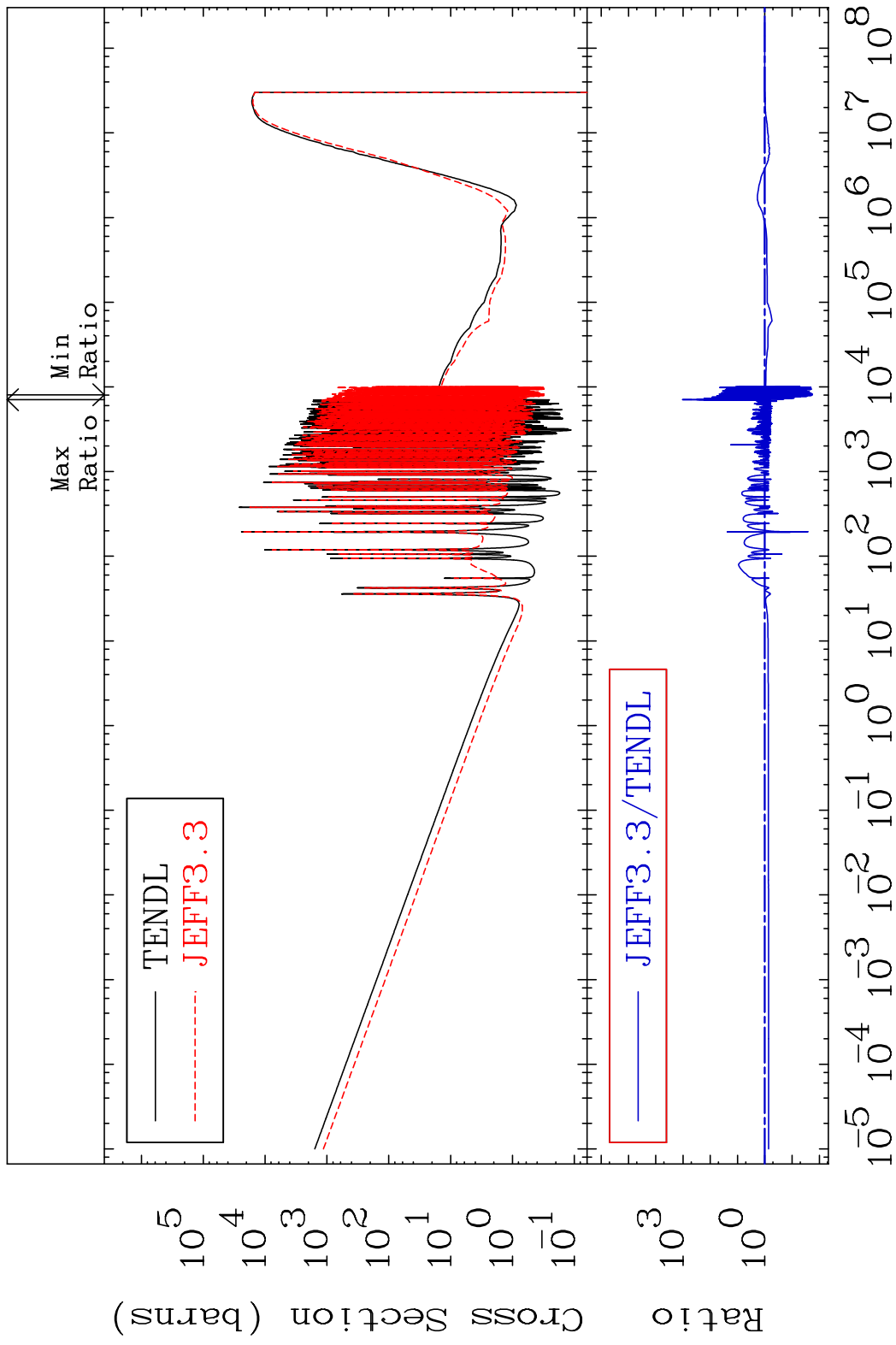
Incident Energy (eV)

41-Nb-93

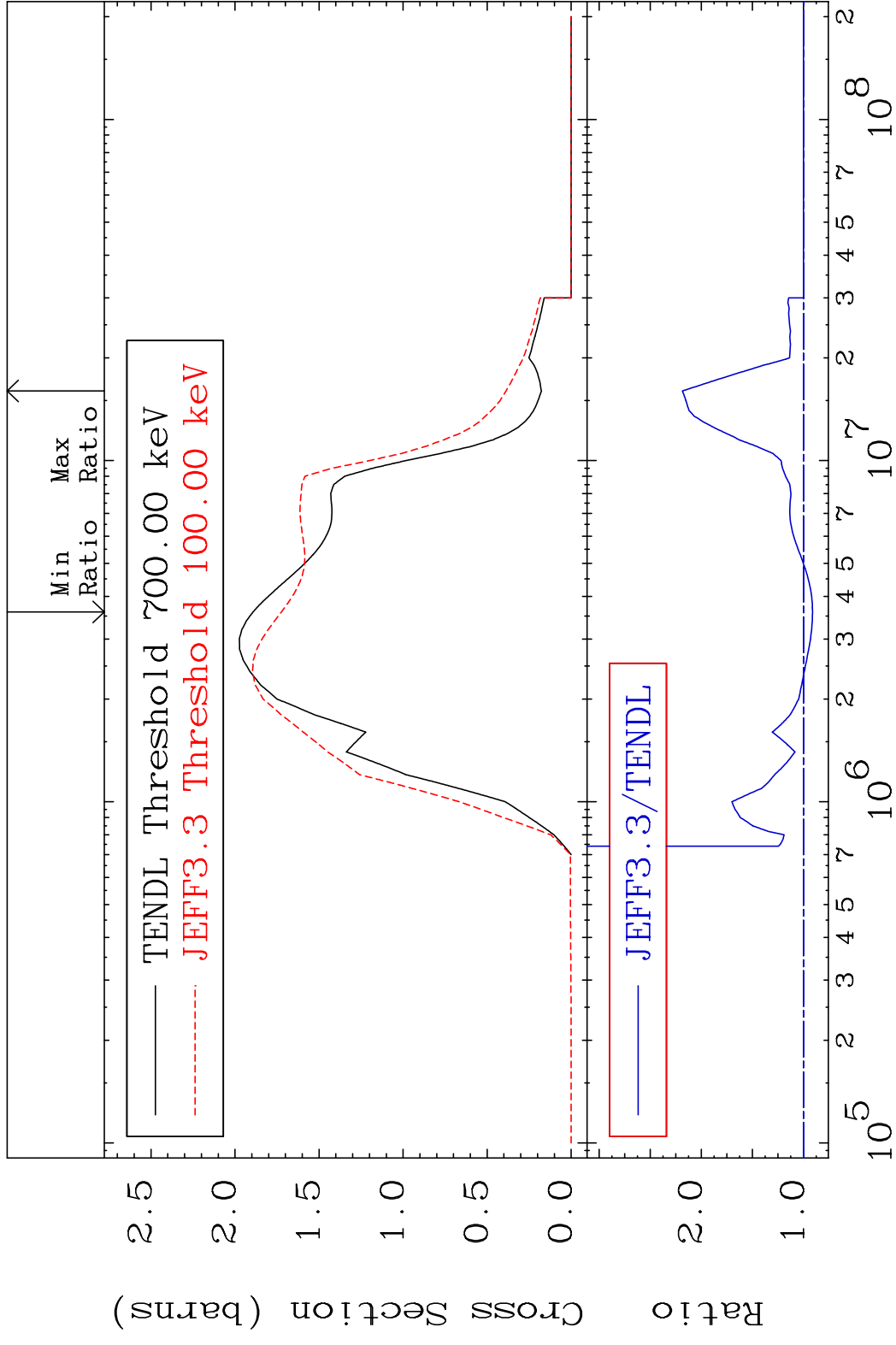
MAT 4125 Dpa inelastic (mt51-91) 41-Nb-93
 Cross Section -100.0 To 101.7 %



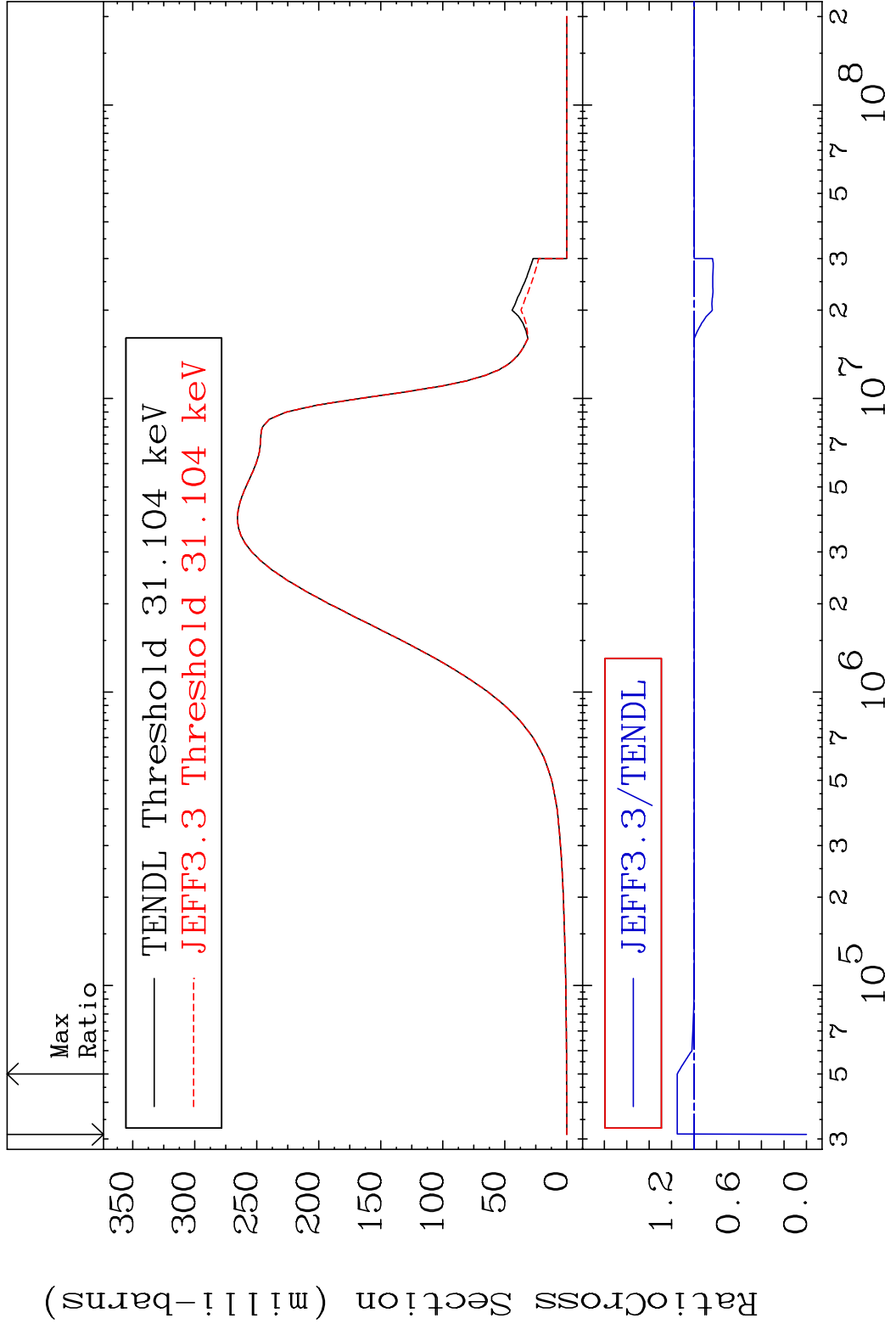
MAT 4125 Dpa disappearance (mt102 -120) 41-Nb-93
 Cross Section -98.23 To 9999. %

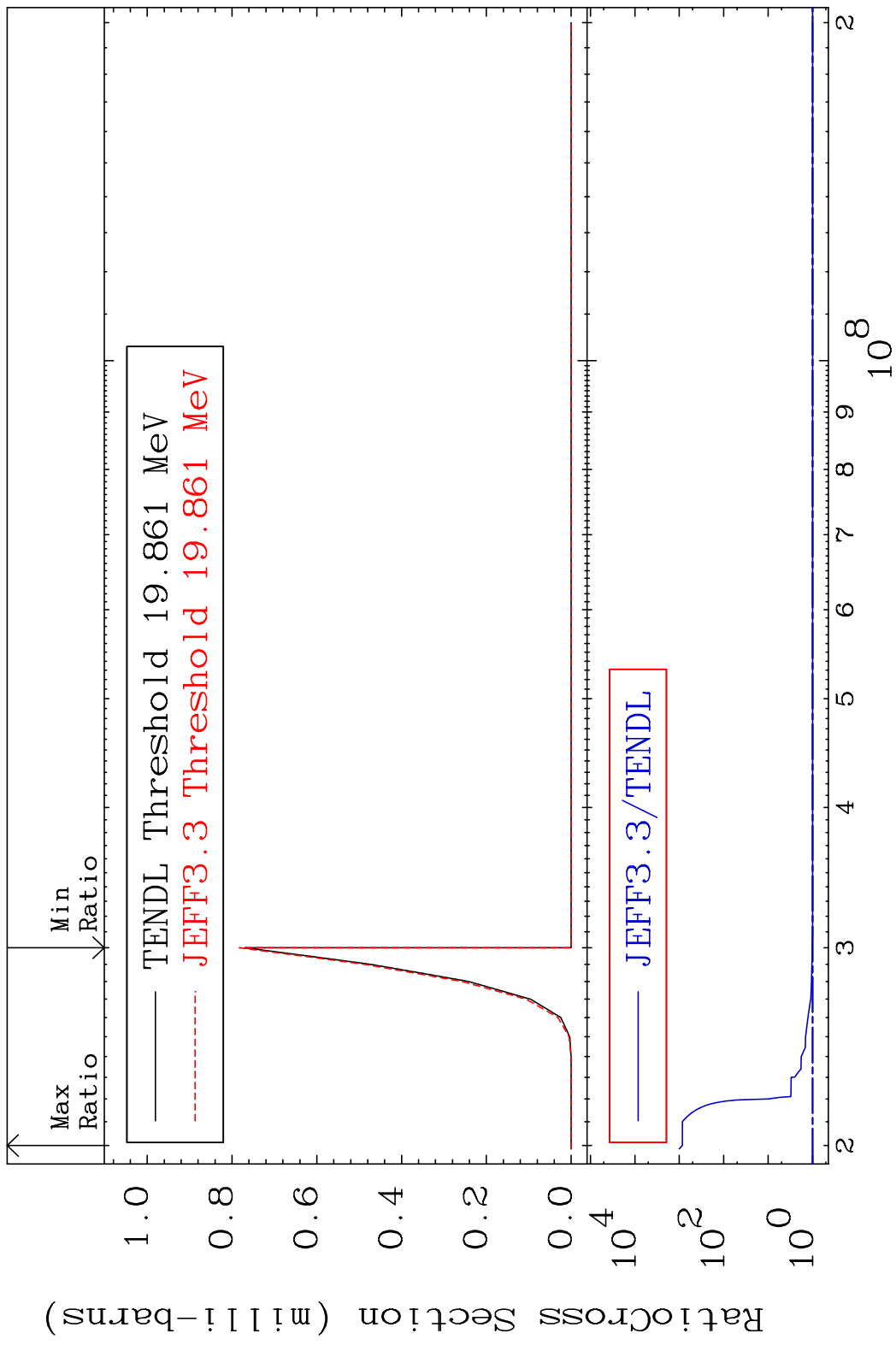


76 Incident Energy (eV) 41-Nb-93

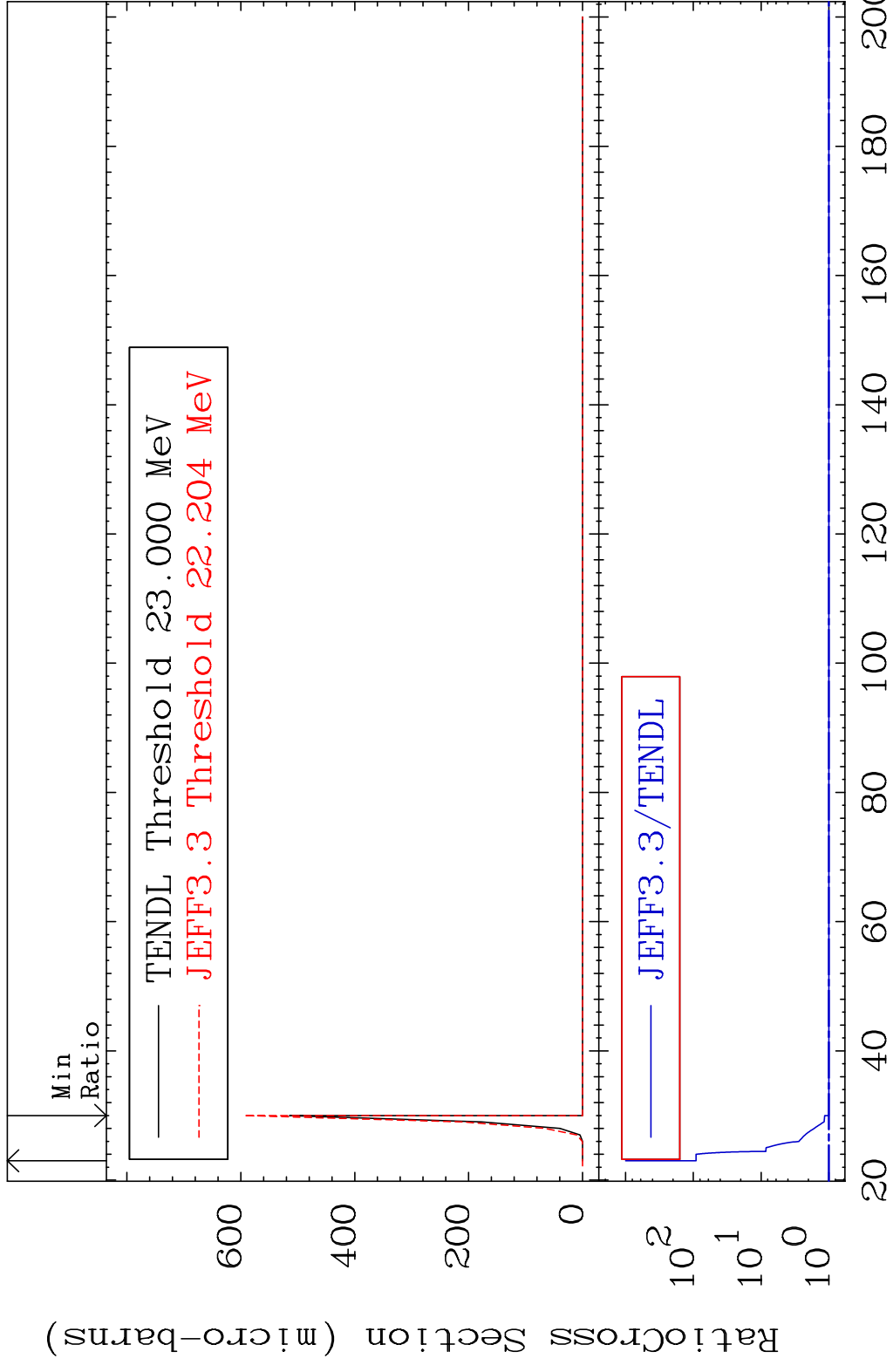


MAT 4125 Inelastic: 41-Nb-93m1 41-Nb-93
 Radionuclide Production Cross Section 15.08 %



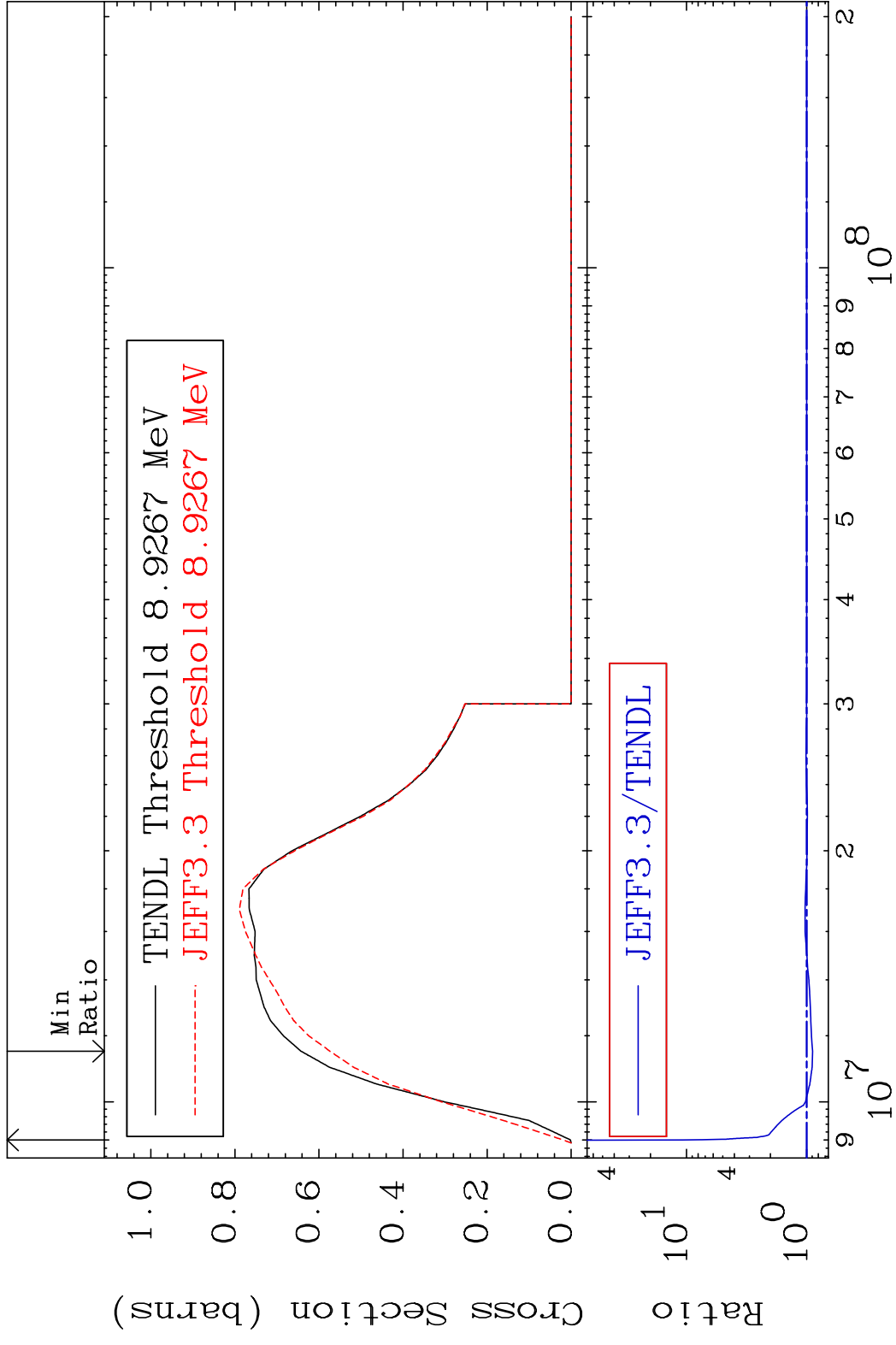


MAT 4125 (n,2n) d:40-Zr-90m3 41-Nb-93
 Radionuclide Production Cross Section 9041. %

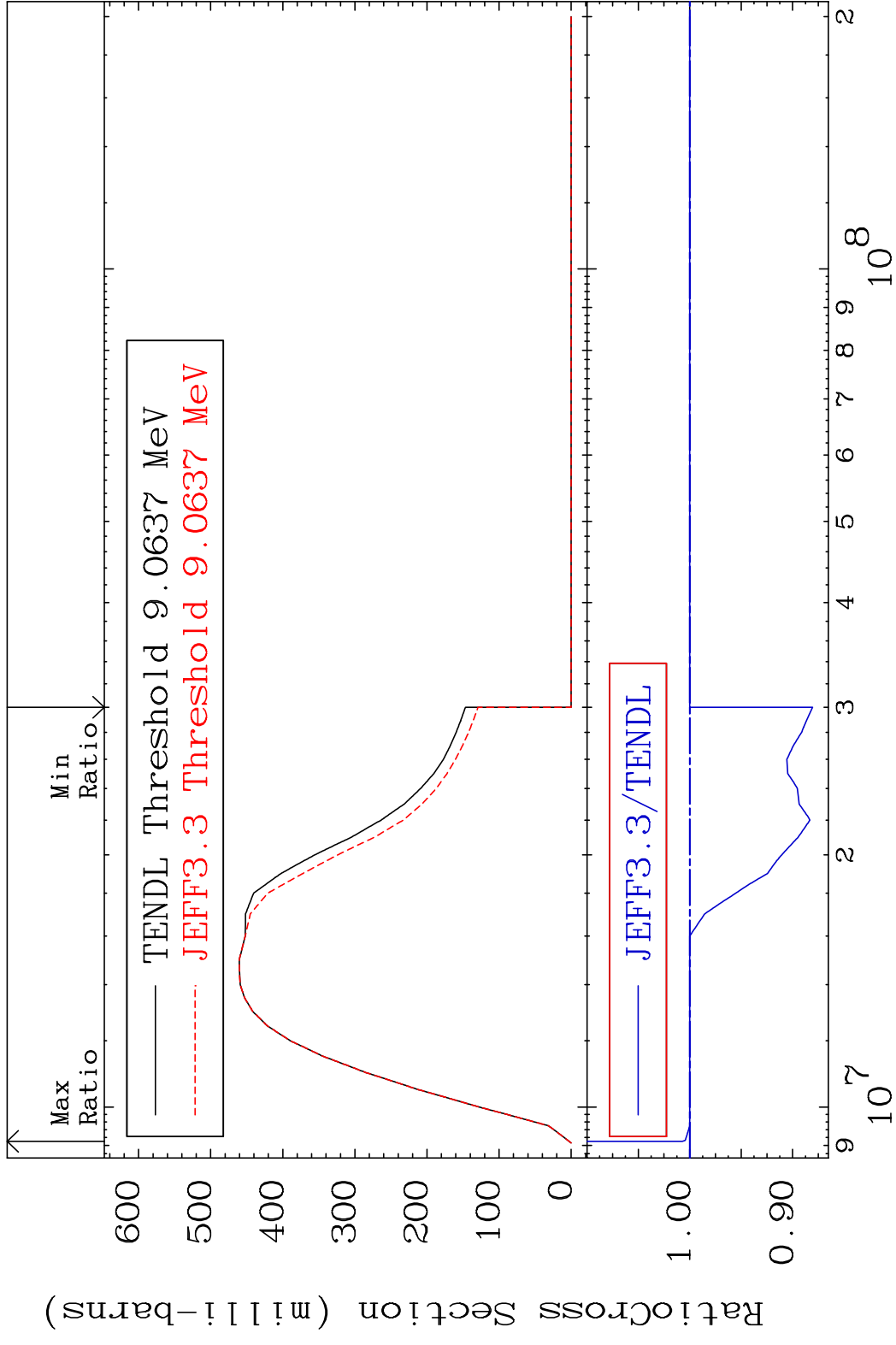


80 Incident Energy (MeV) 41-Nb-93

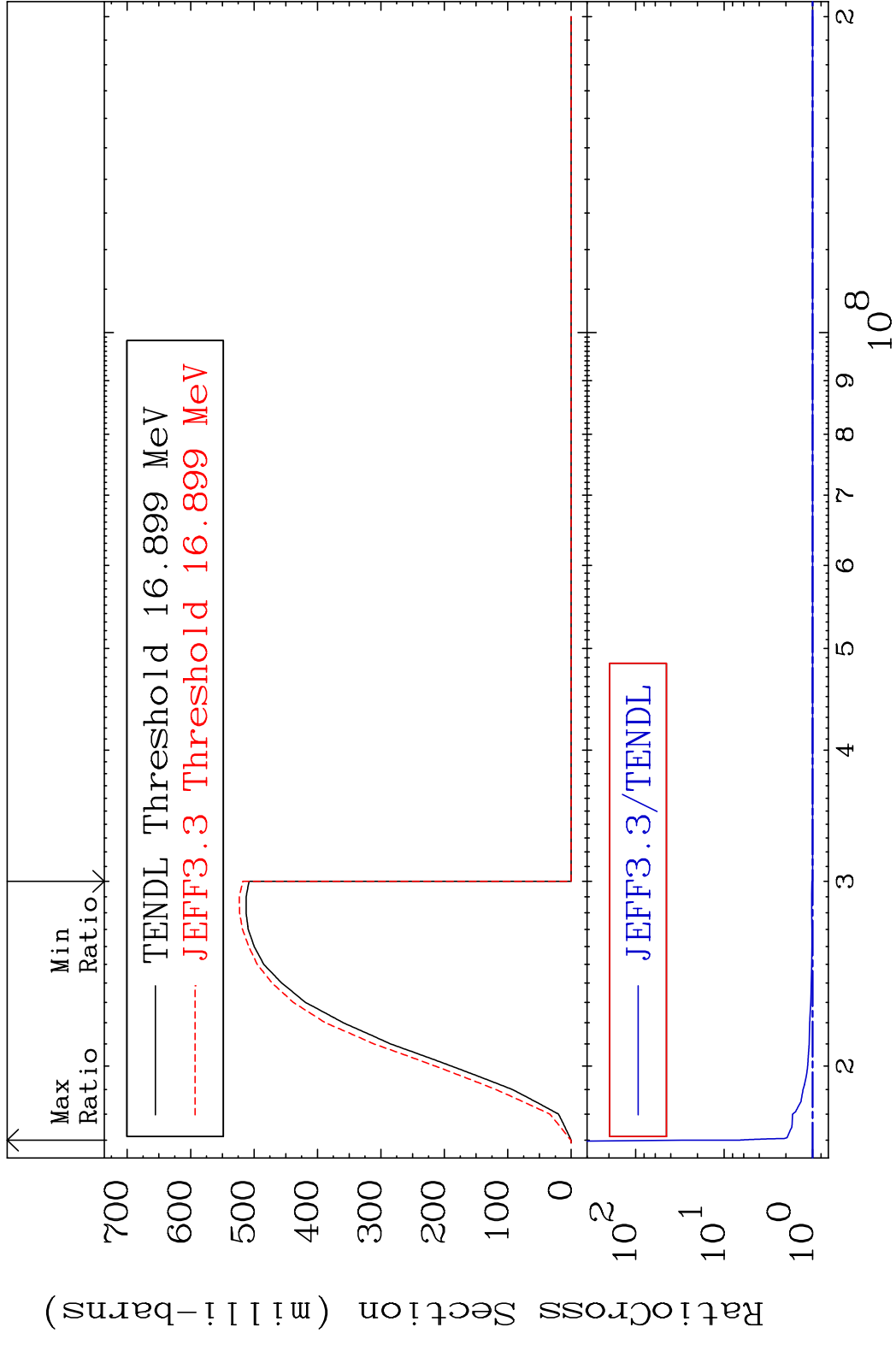
MAT 4125 (n,2n):41-Nb-92g 41-Nb-93
 Radionuclide Production Cross Section 984.7 %

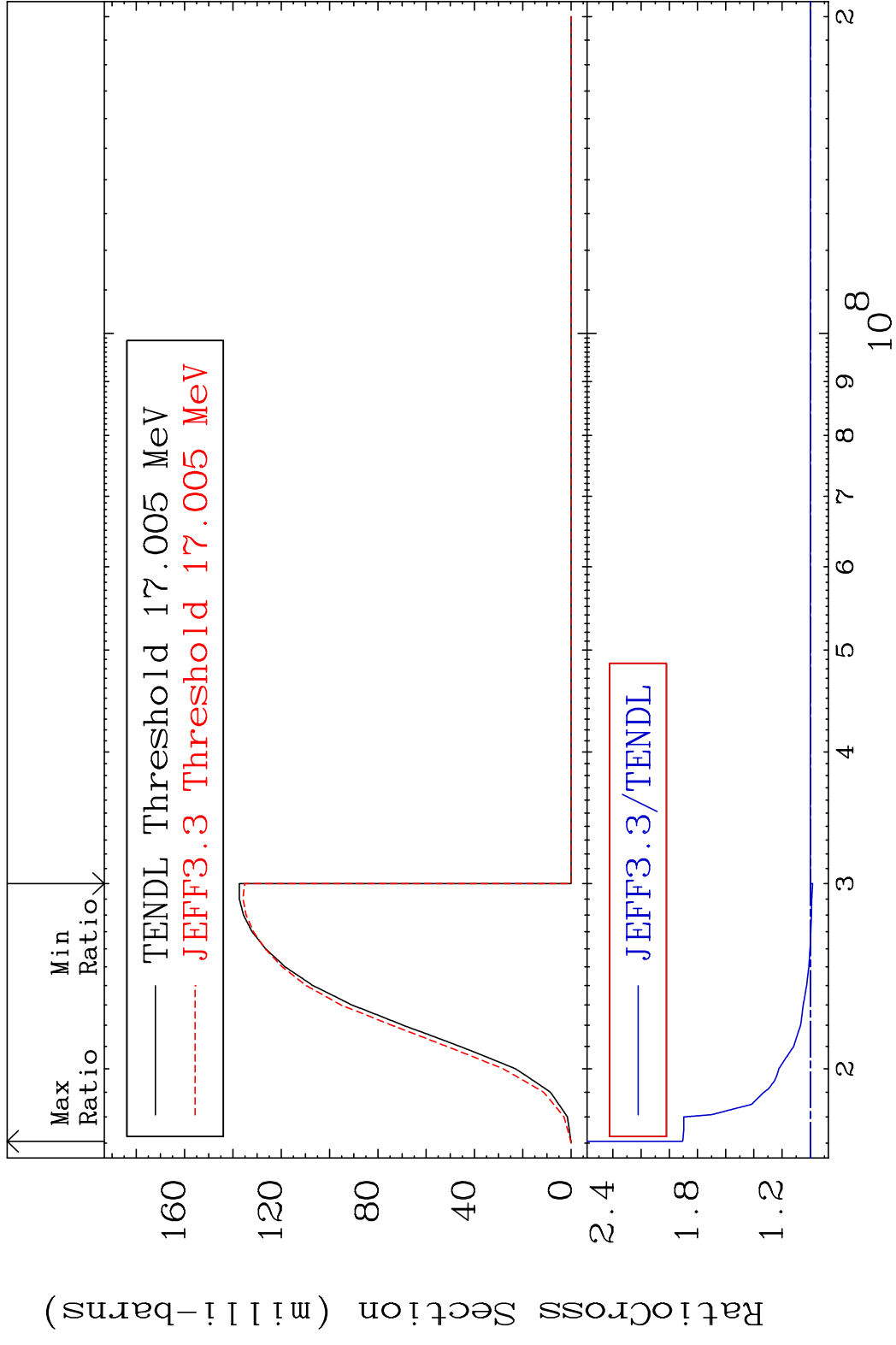


MAT 4125 (n,2n):41-Nb-92m1 41-Nb-93
 Radionuclide Production Cross Section 0.718 %

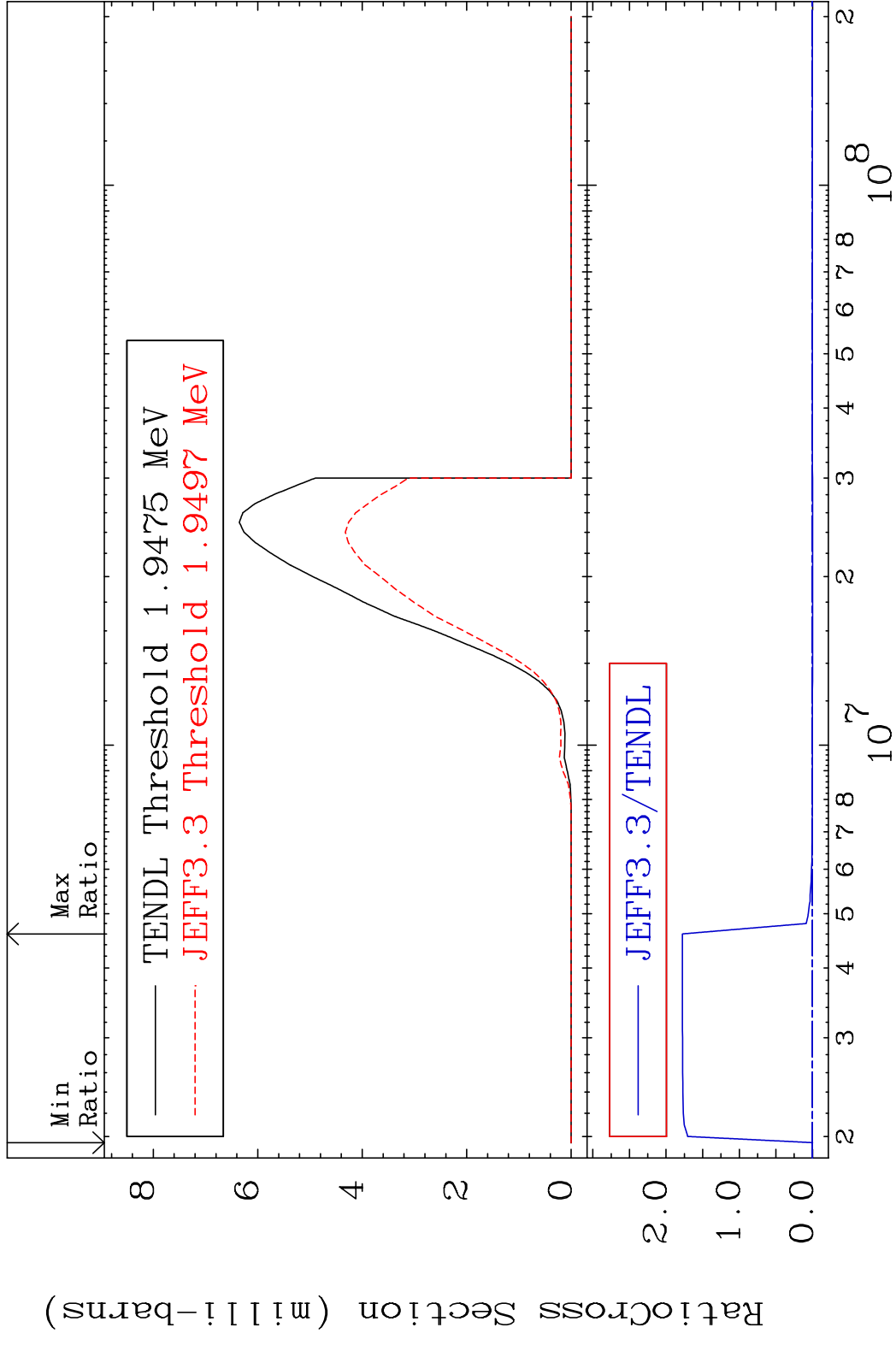


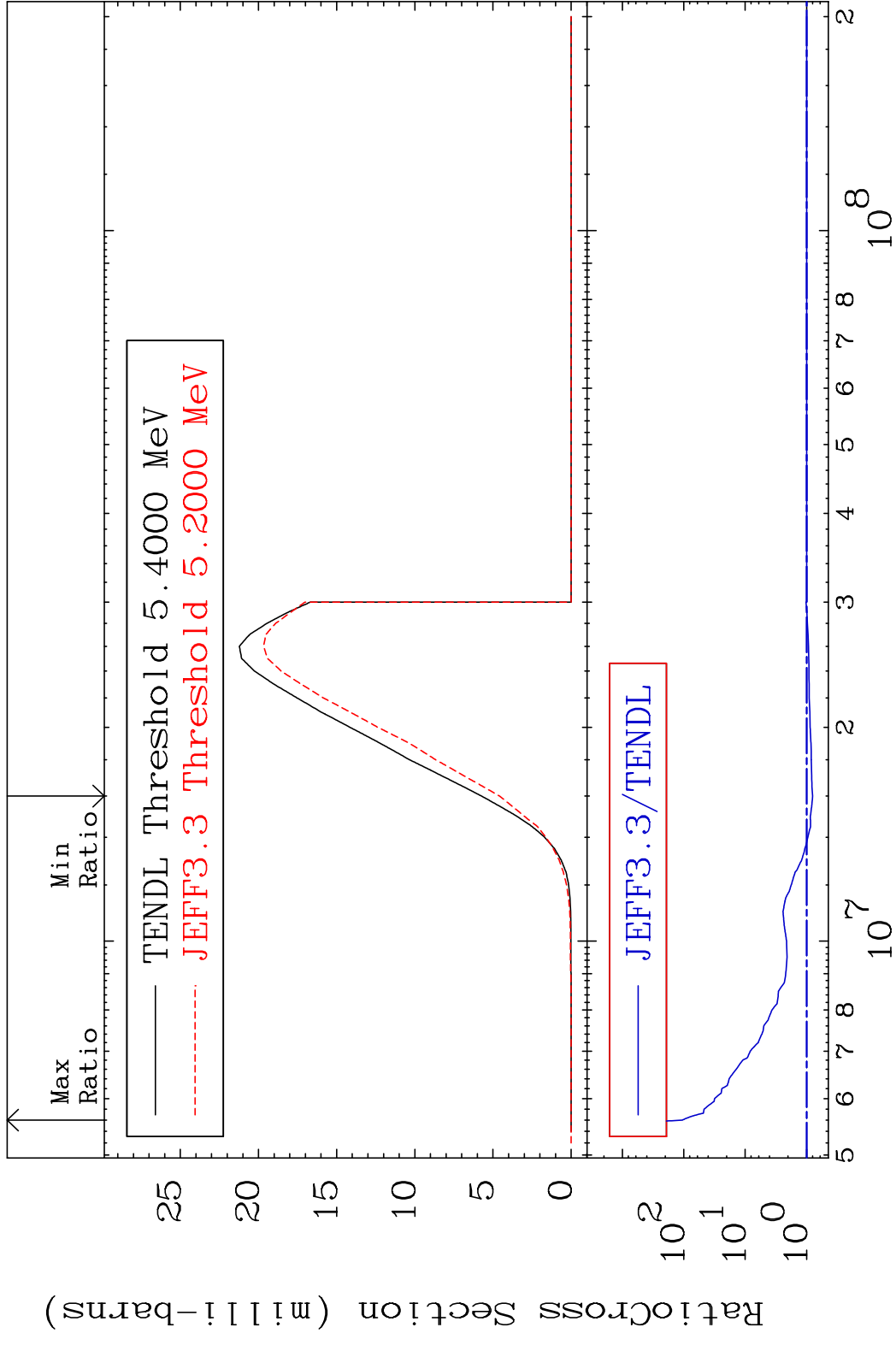
82 41-Nb-93

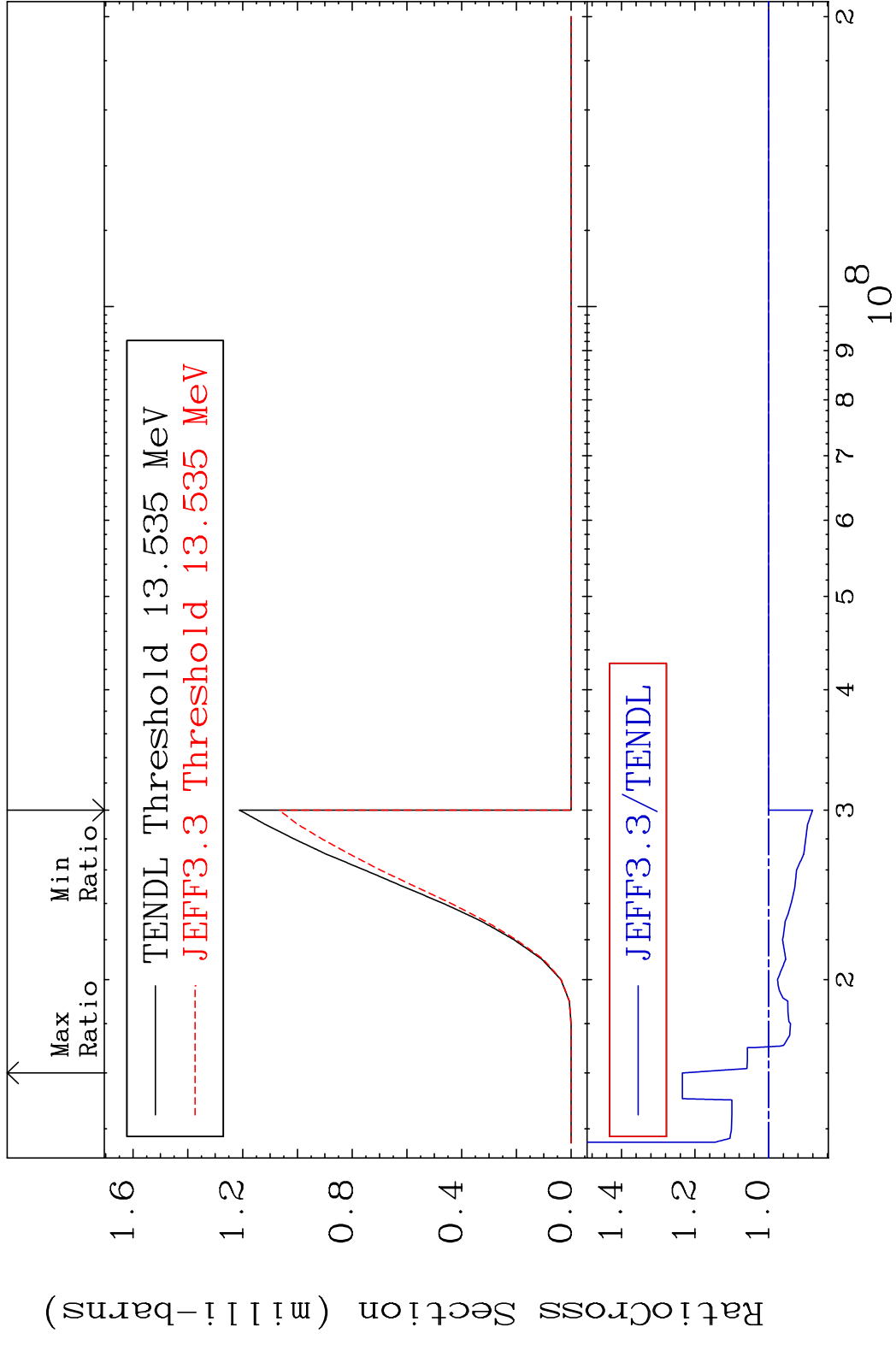


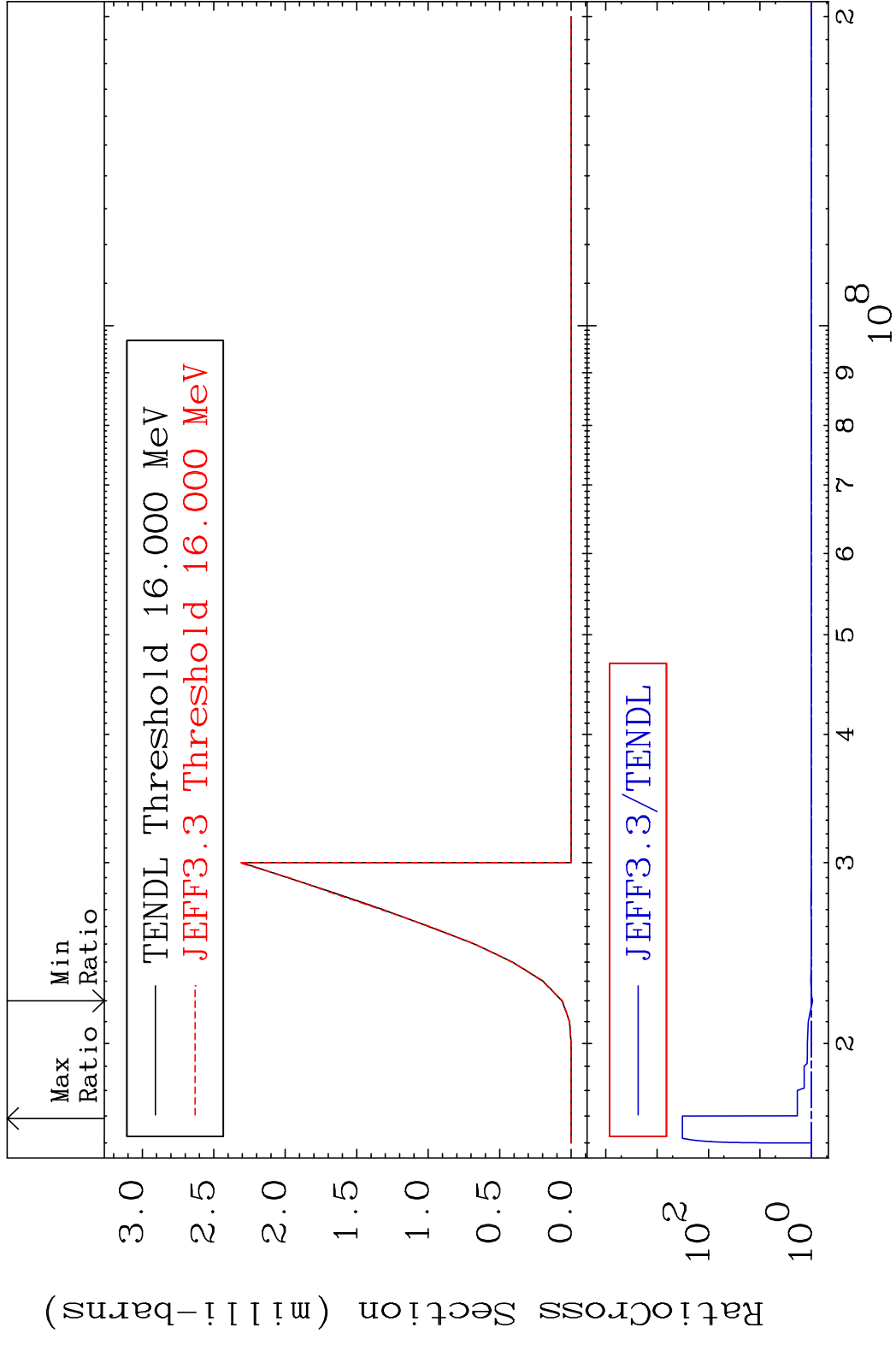


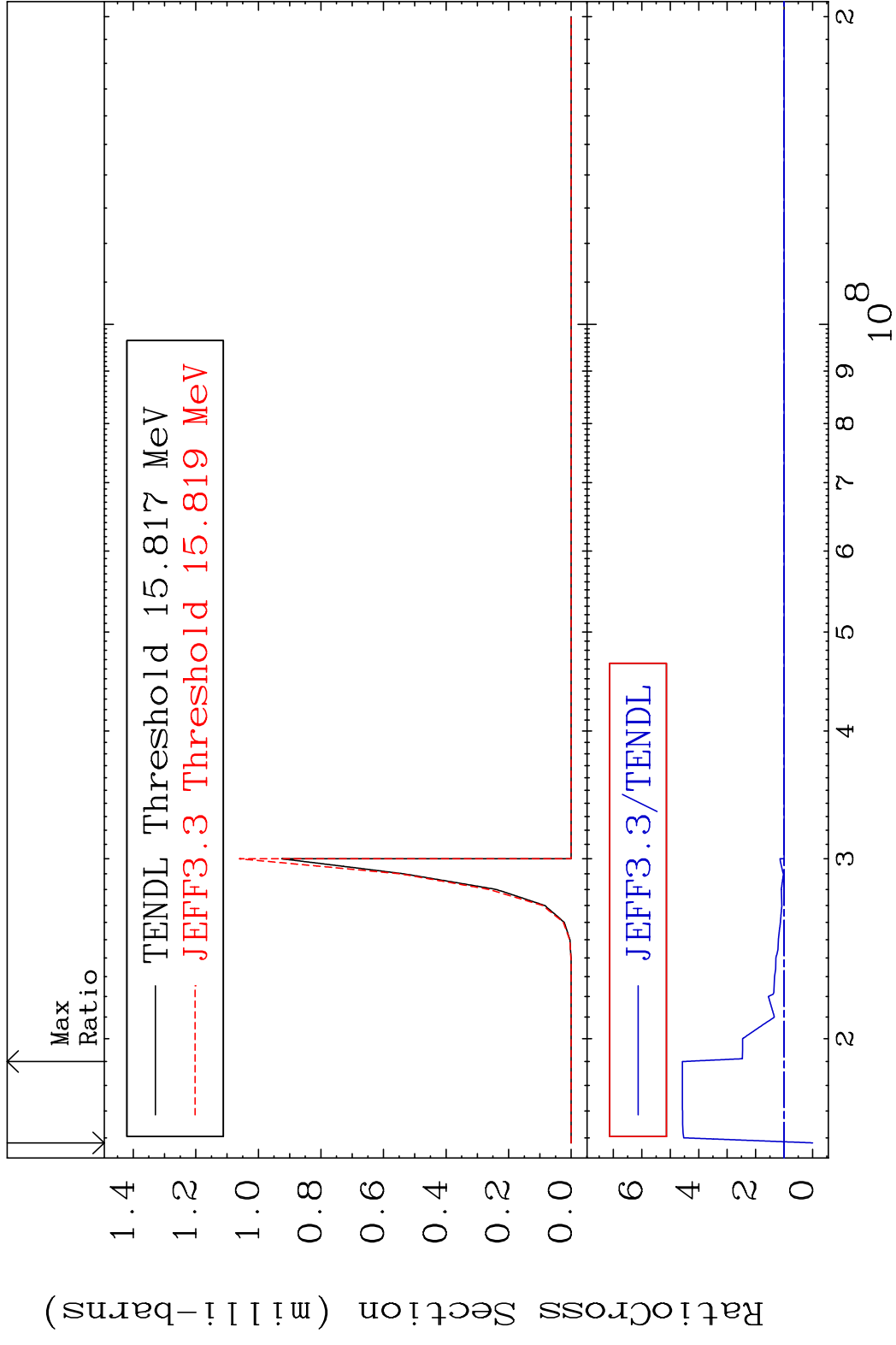
MAT 4125 (n, n') α :39-Y -89g 41-Nb-93
 Radionuclide Production Cross Section Ratio 9999. %

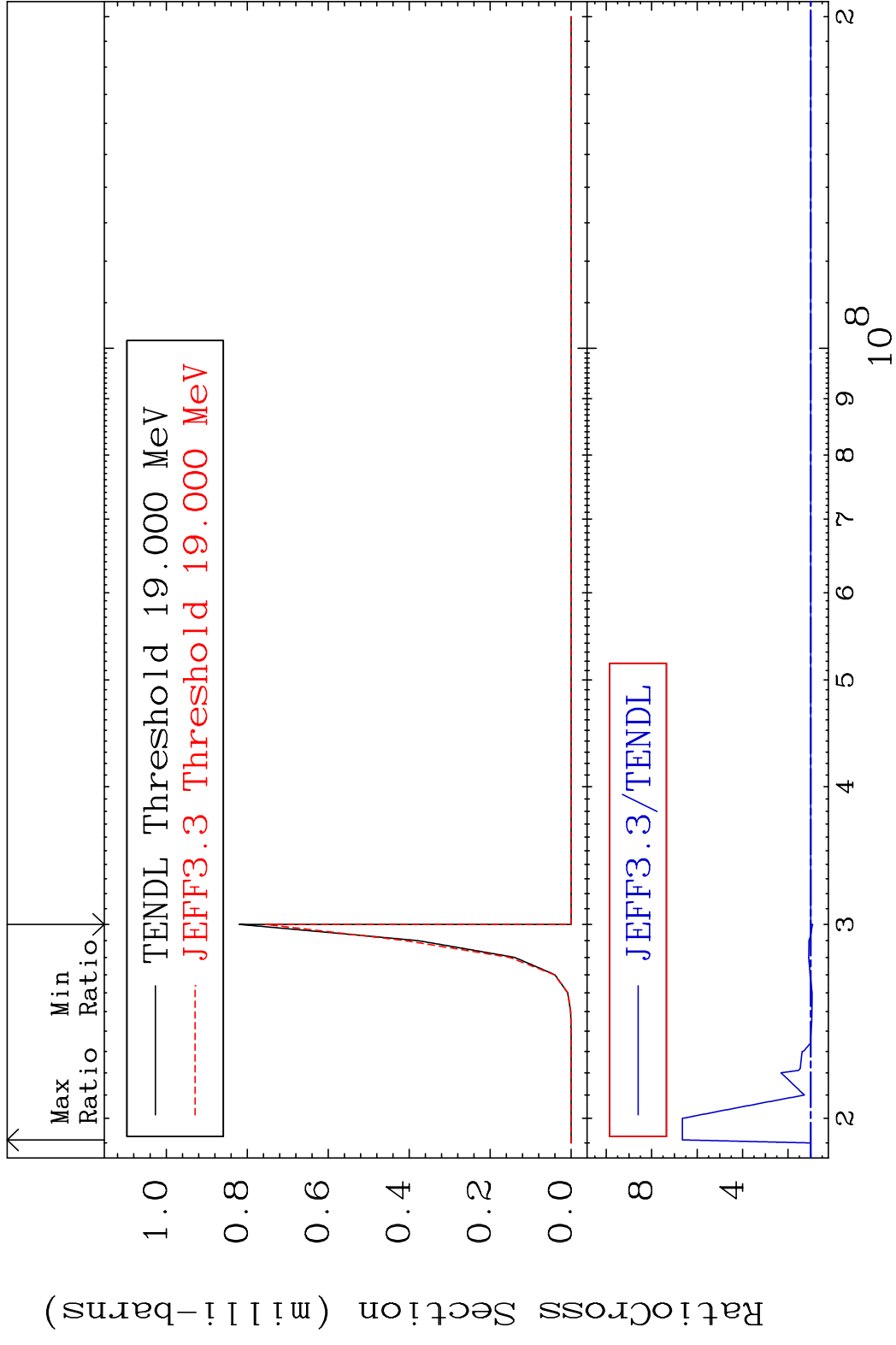


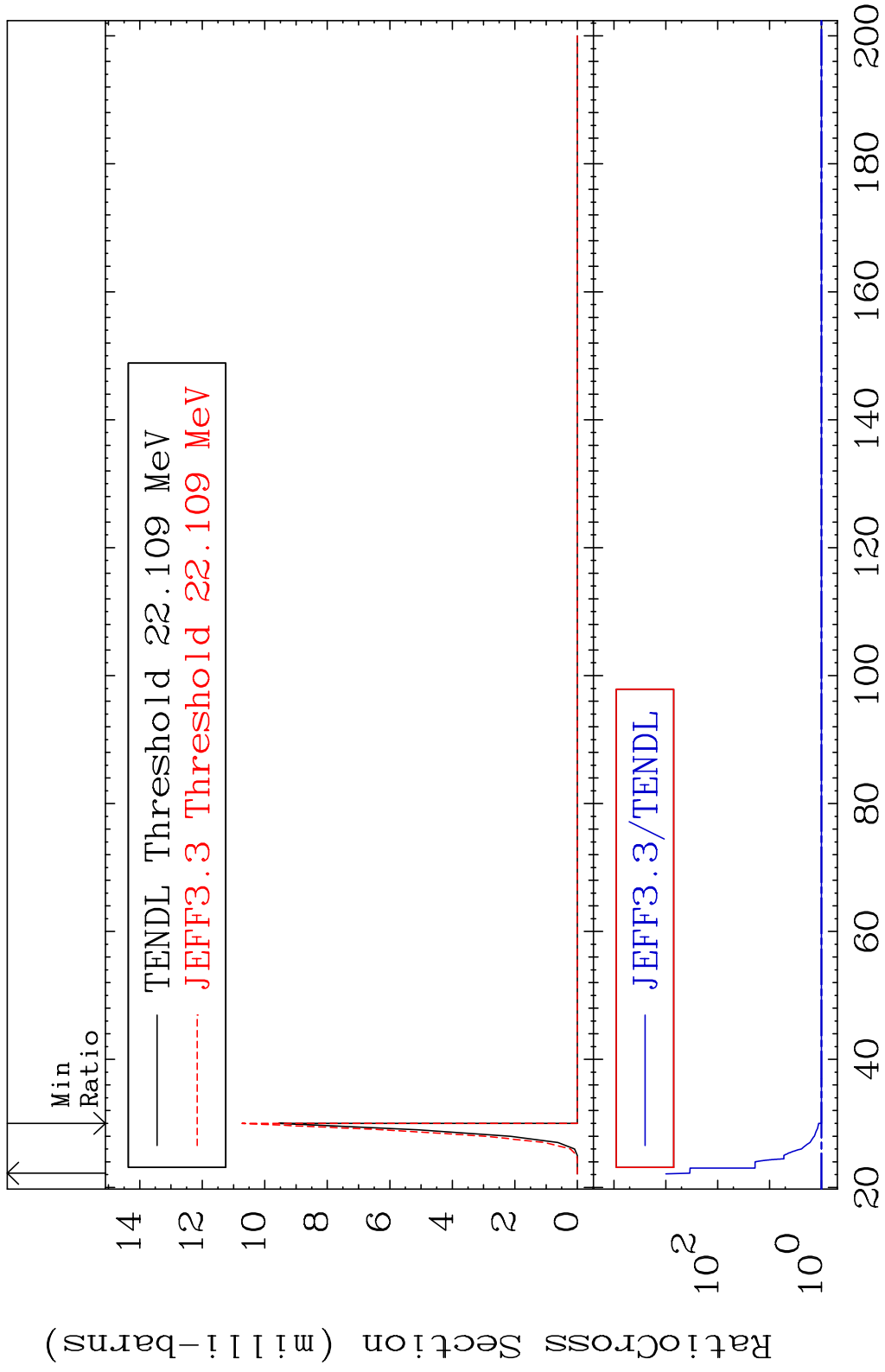


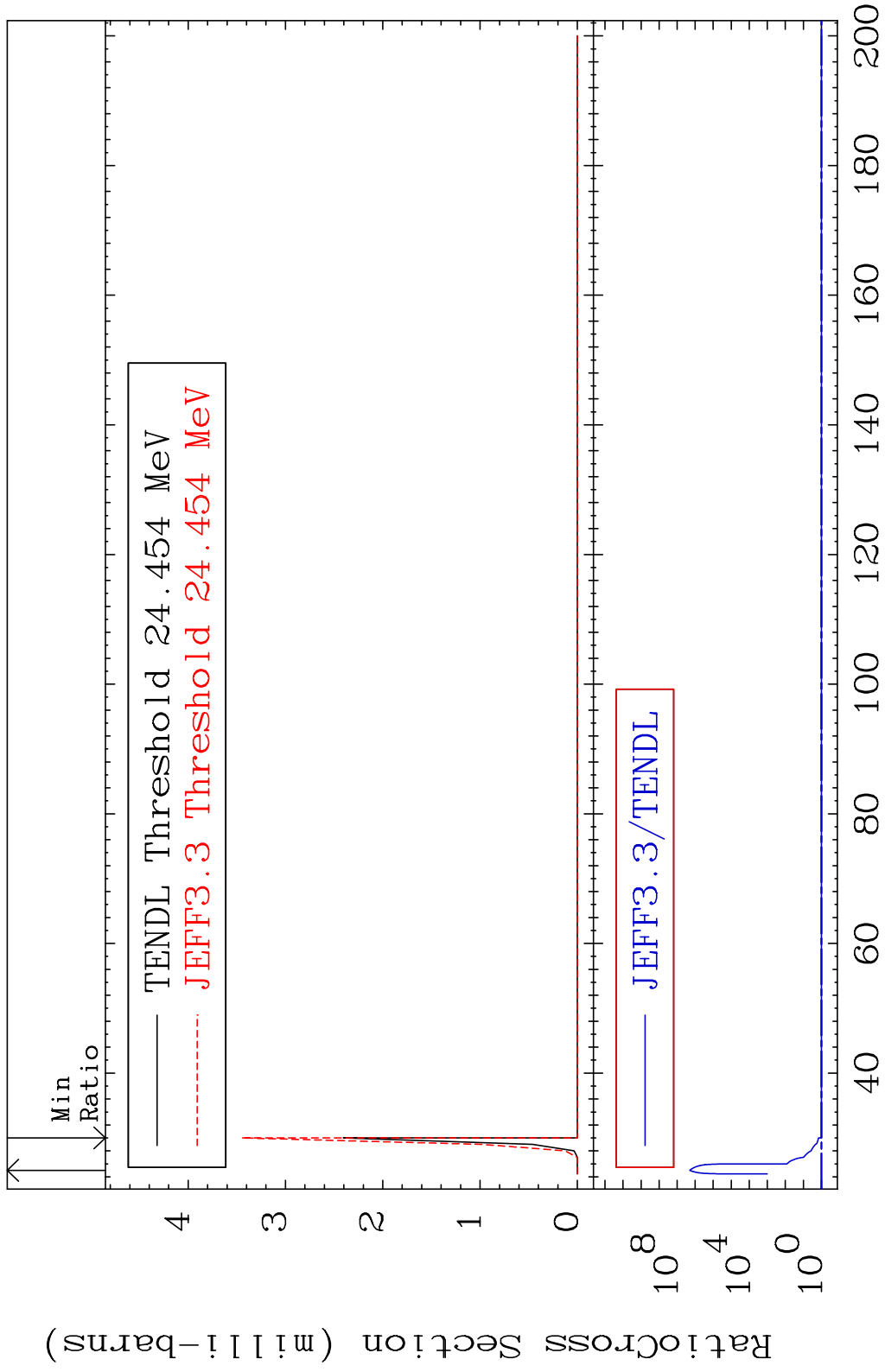




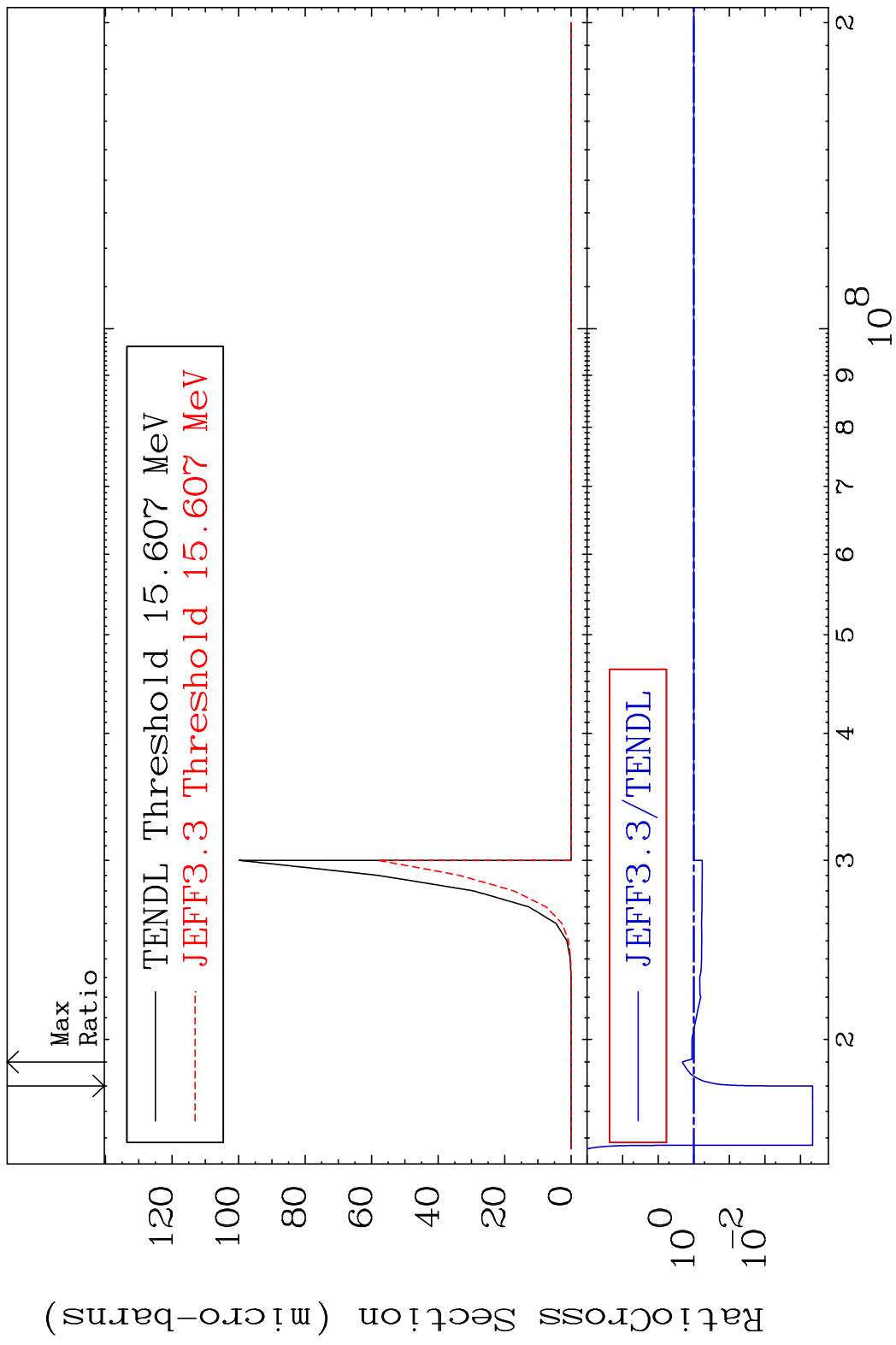




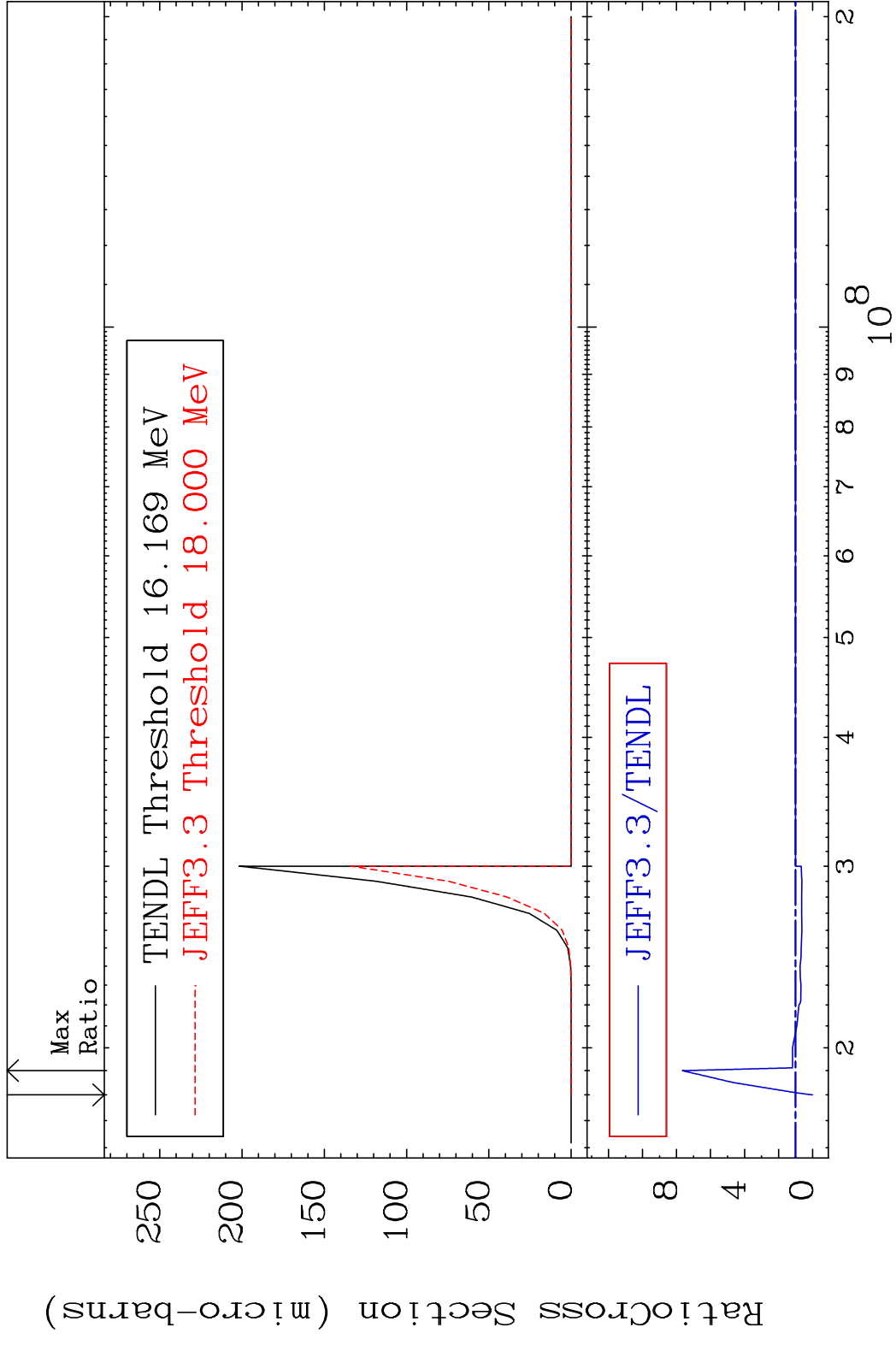




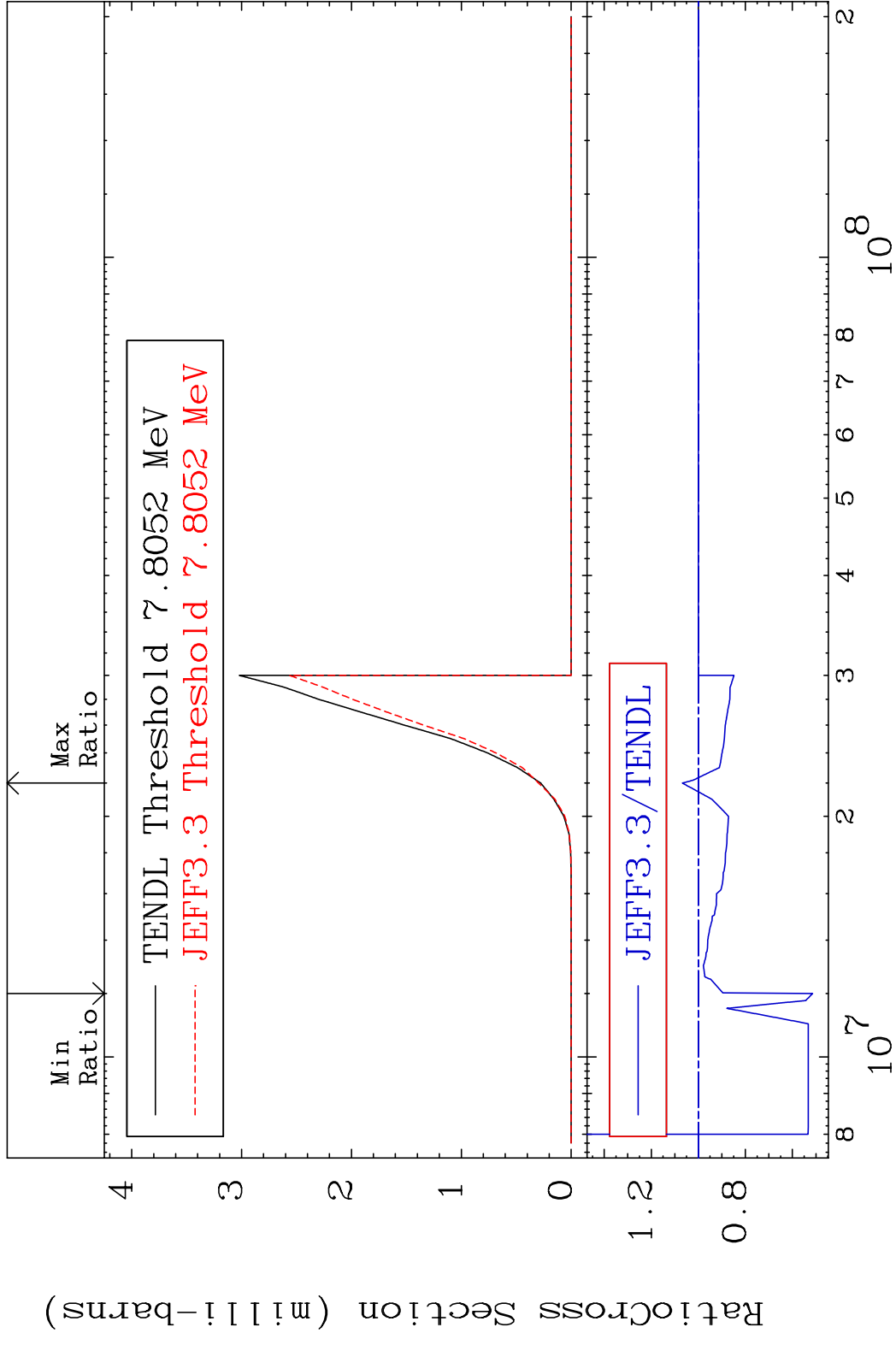
MAT 4125 (n,2n) p:39-Y -91g 41-Nb-93
 Radionuclide Production Cross Section 98.95 dth 110.3 %



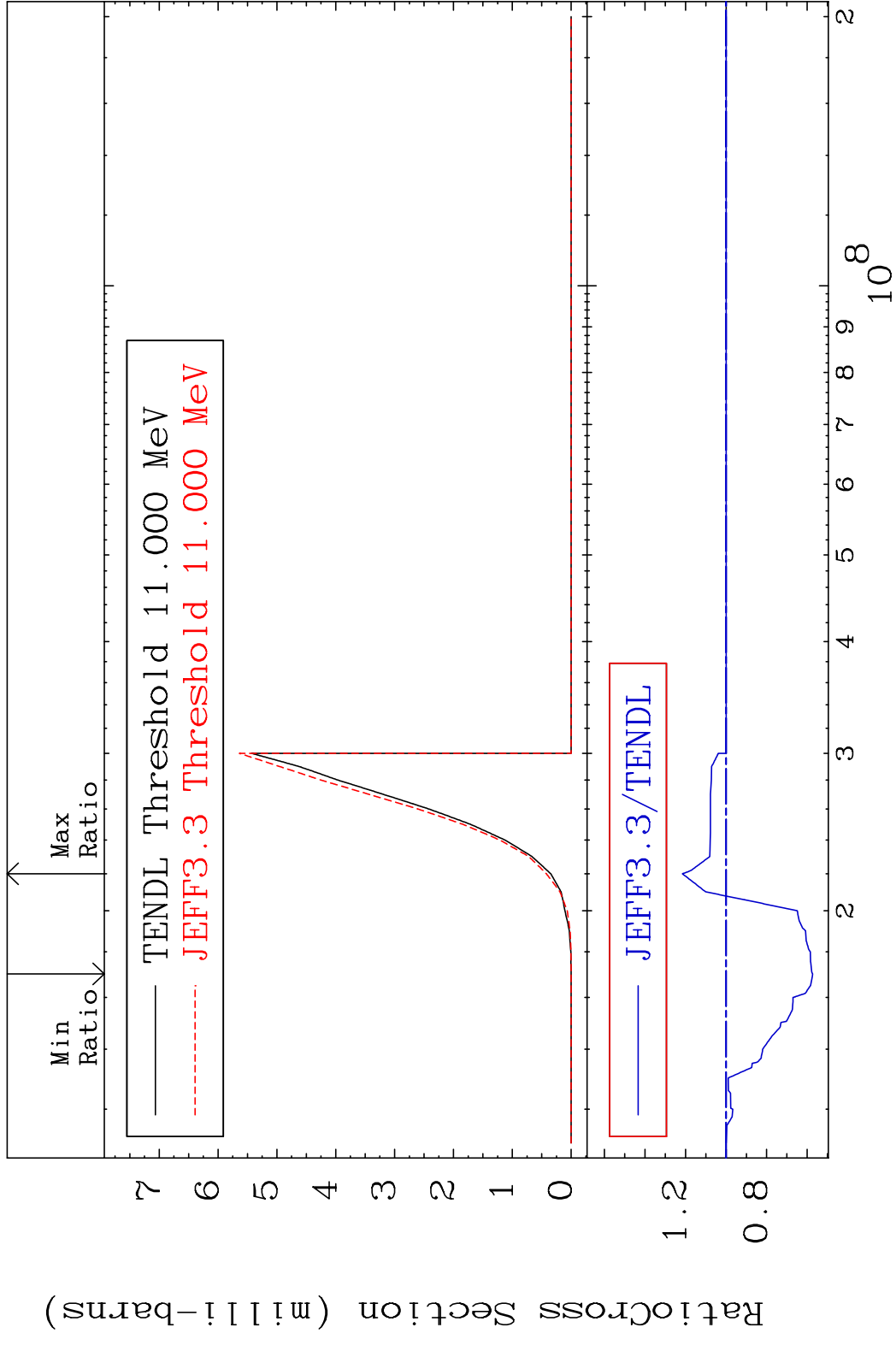
MAT 4125 (n,2n) p:39-Y -91m1 41-Nb-93
 Radionuclide Production Cross Section 180.01 dno 665.8 %



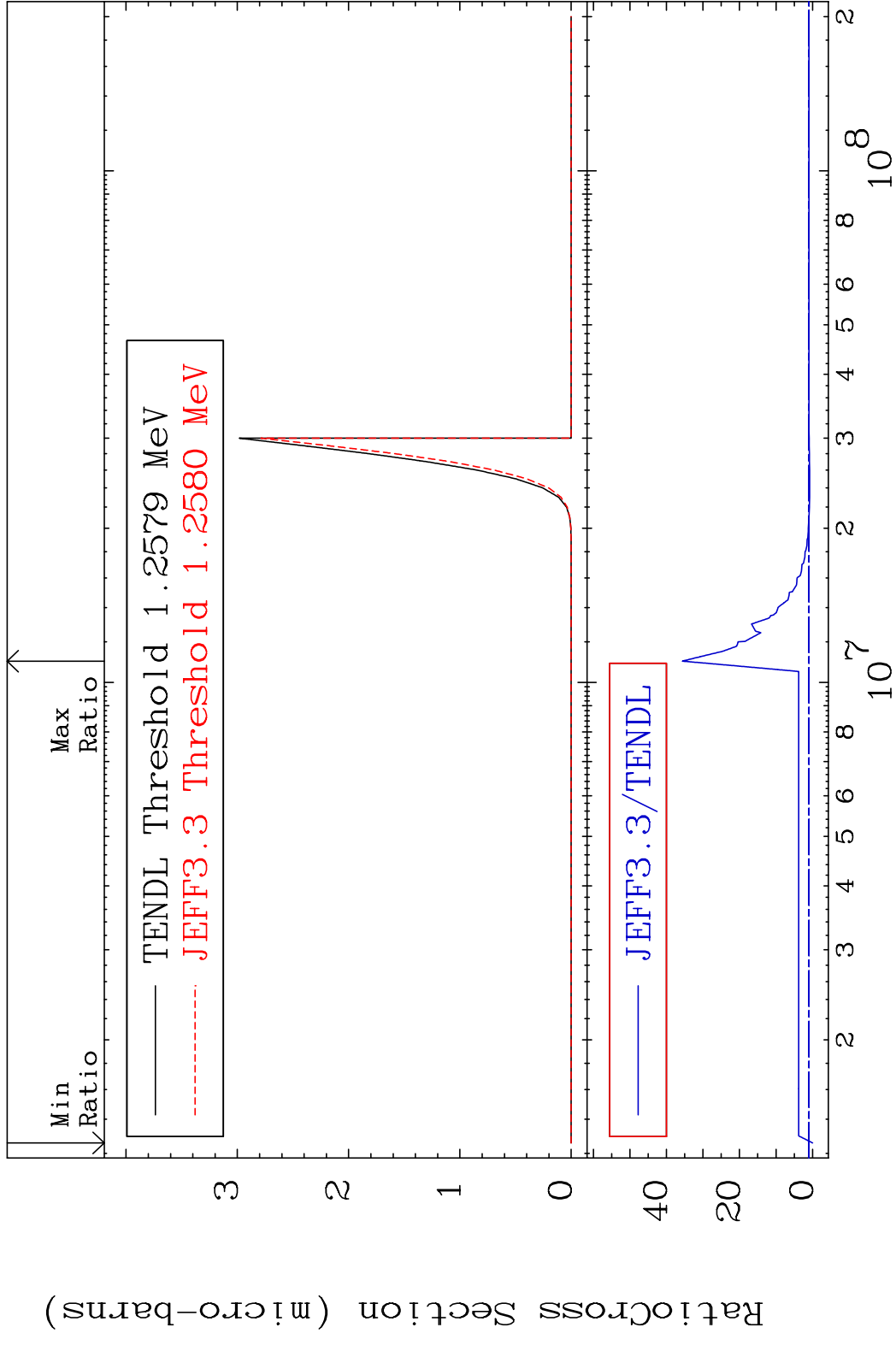
MAT 4125 (n, He-3):39-Y -91g 41-Nb-93
 Radionuclide Production Cross Section 6.782 %

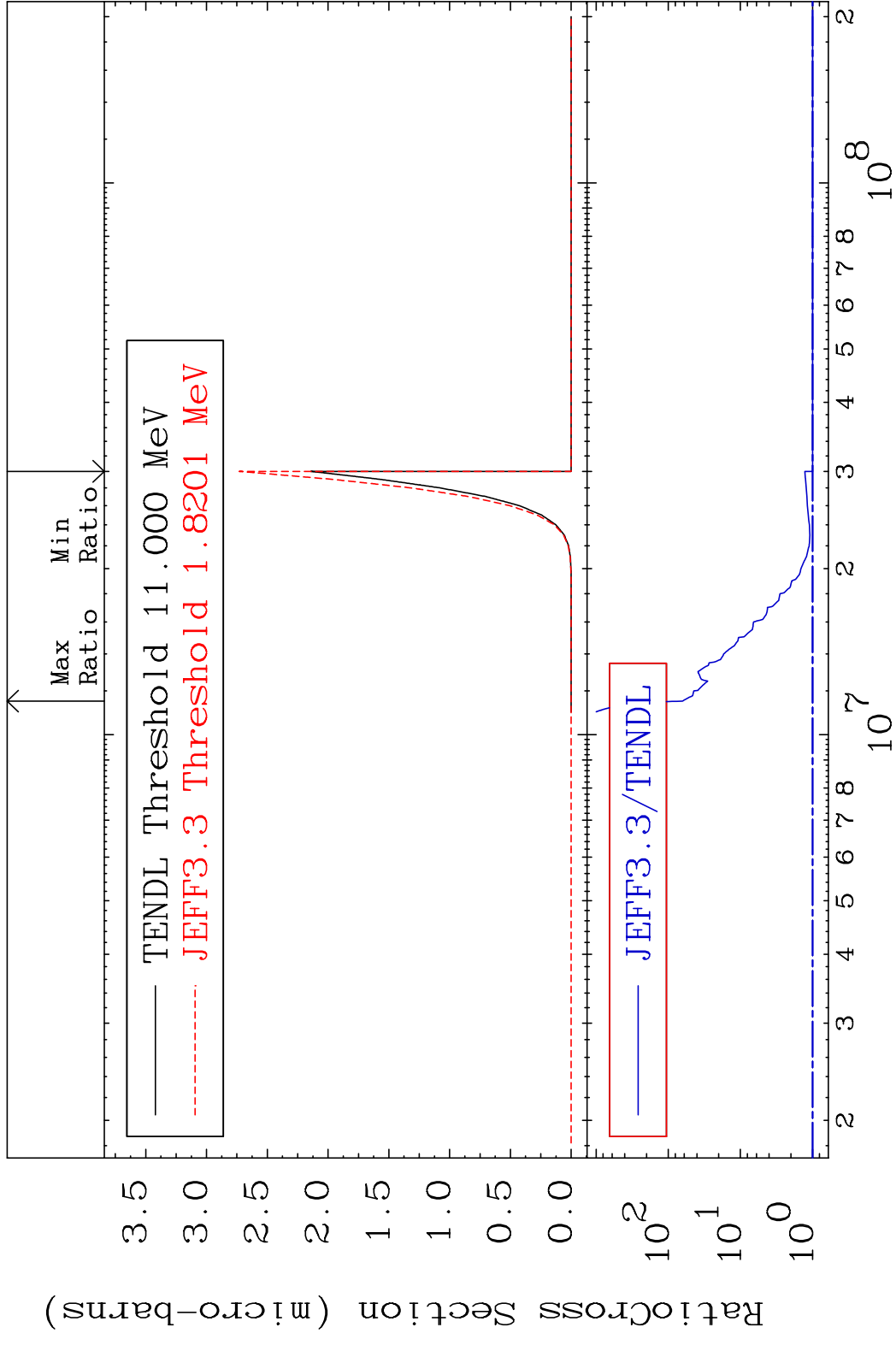


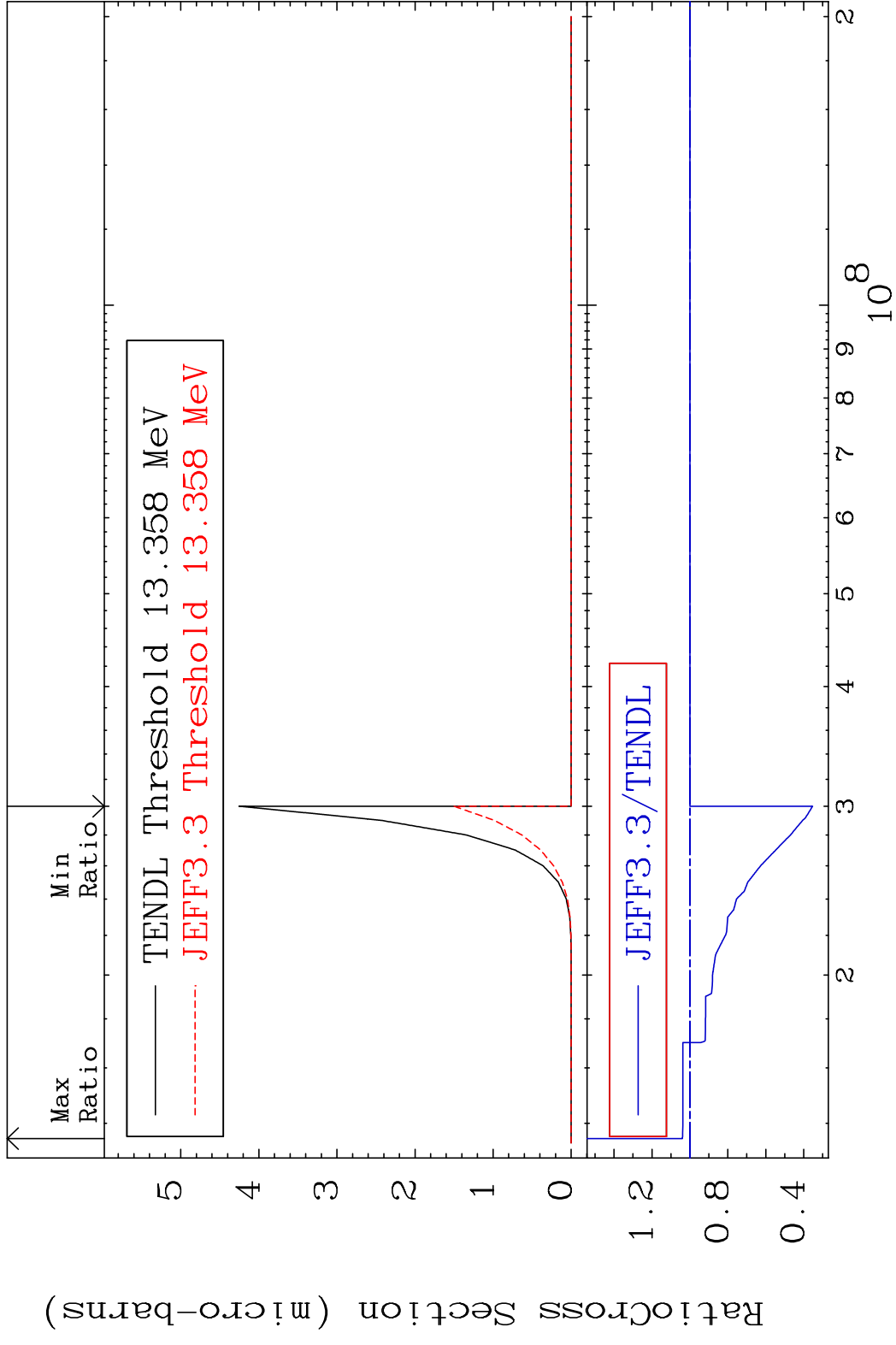
95 Incident Energy (eV) 41-Nb-93

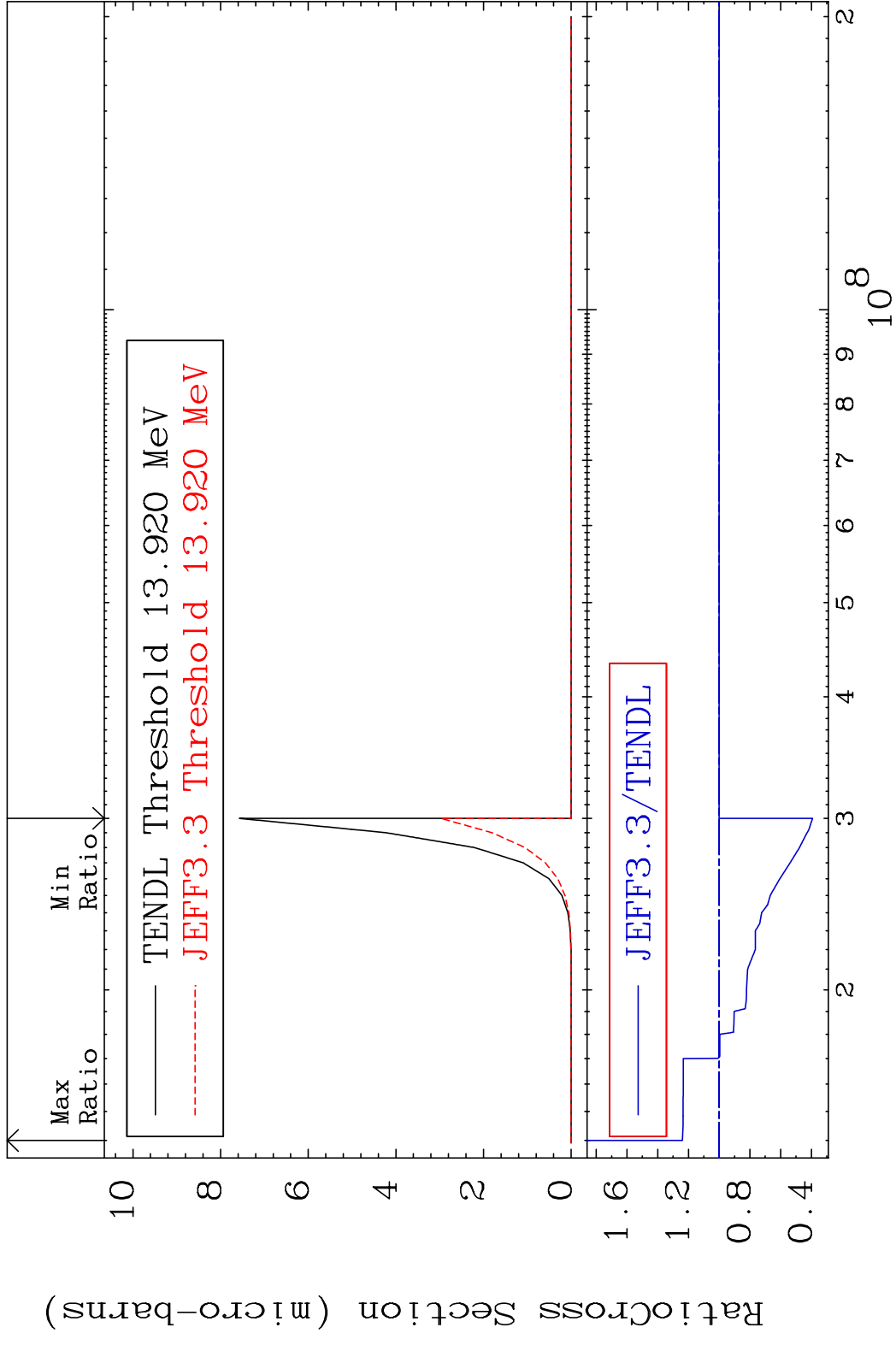


MAT 4125 (n,2α):37-Rb-86g 41-Nb-93
 Radionuclide Production Cross Section 1800.0 dno 3464. %

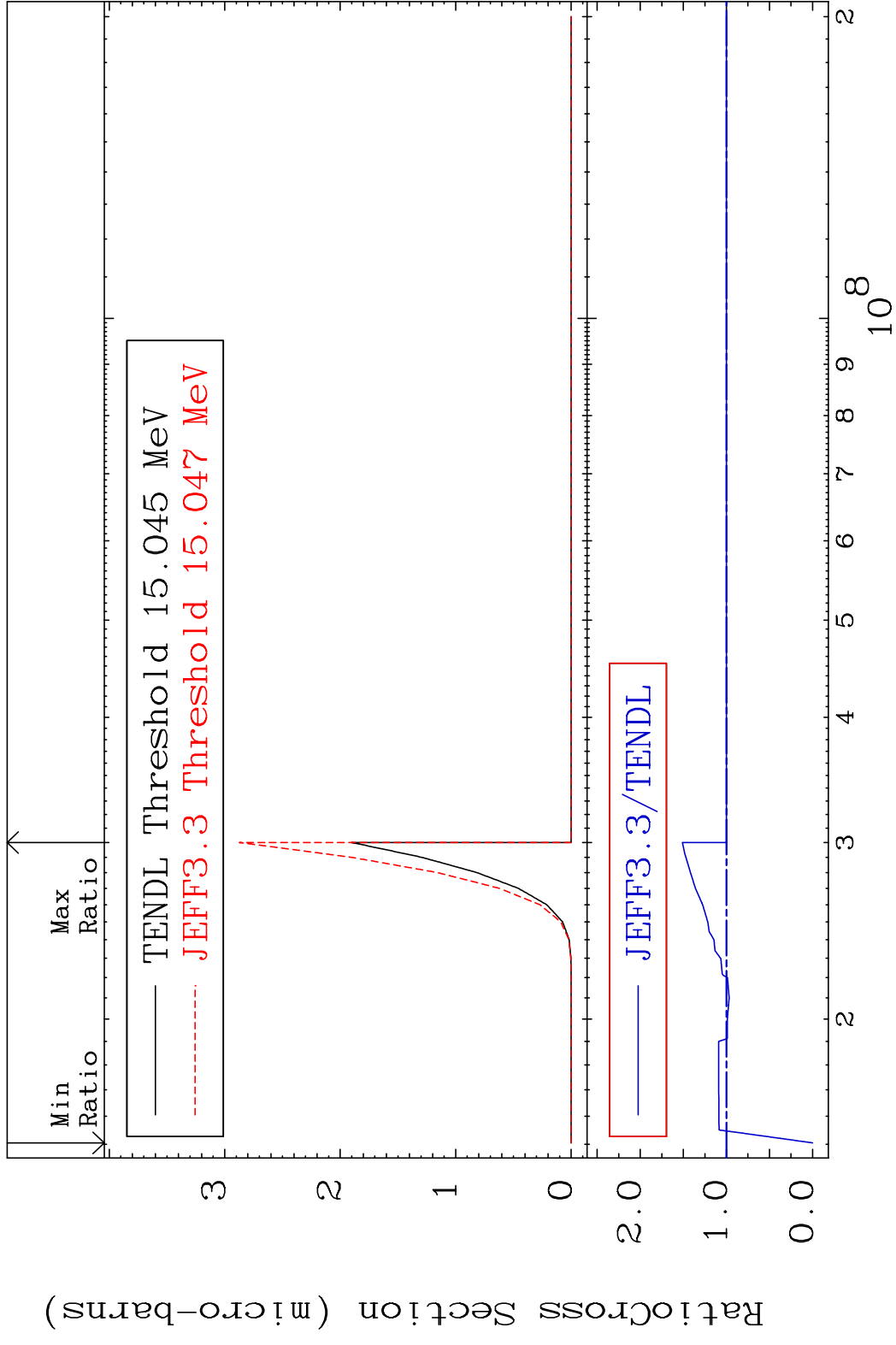








MAT 4125 (n,p) t:39-Y -90g 41-Nb-93
 Radionuclide Production Cross Section 180.01 dth 51.14 %



MAT 4125 (n,p) t:39-Y -90m2 41-Nb-93
 Radionuclide Production Cross Section 180.01 d10 45.41 %

