

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

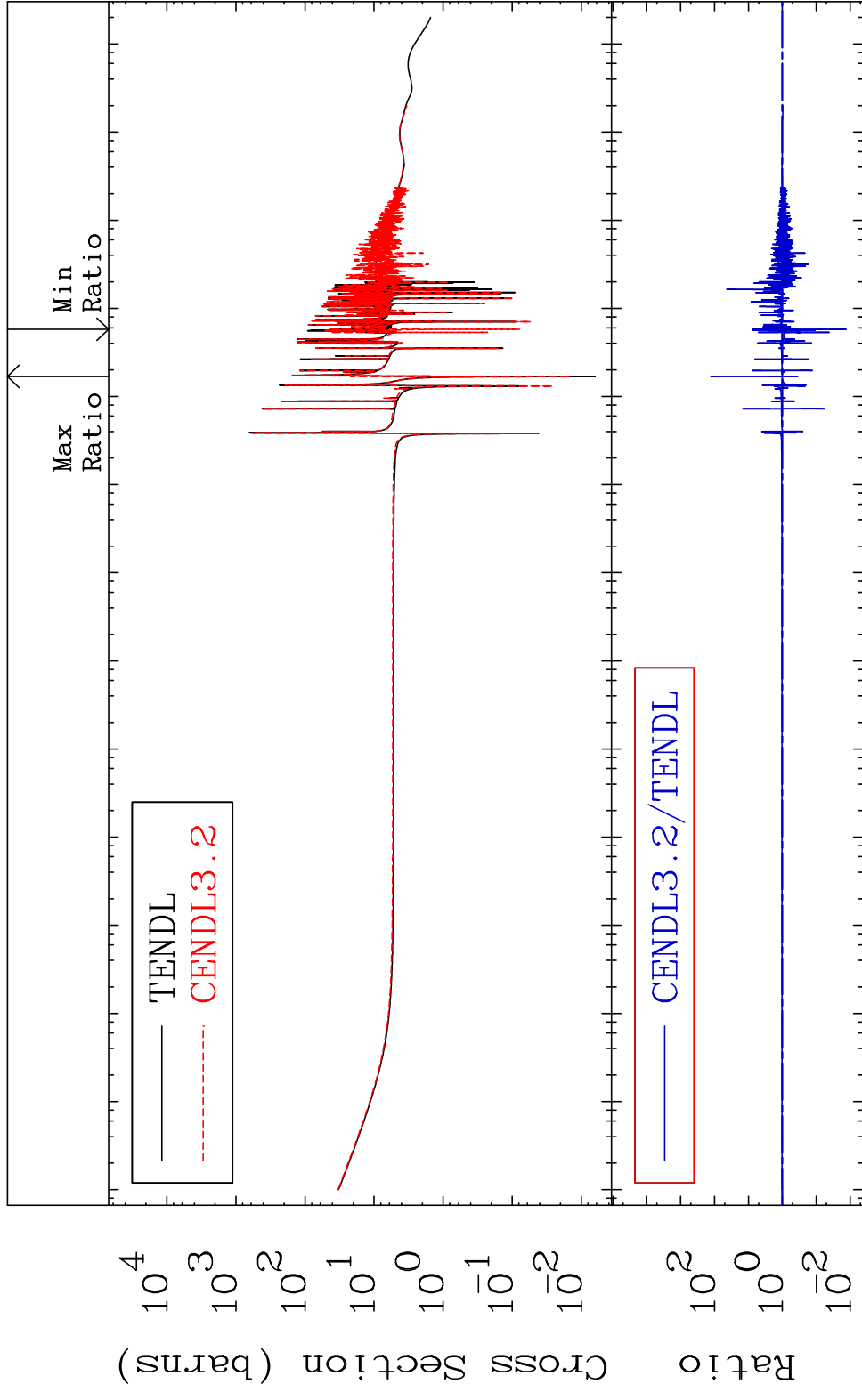
MAT 4025

Total

40-Zr-90

Cross Section

-98.71 To 9999. %



1

Incident Energy (eV)

40-Zr-90

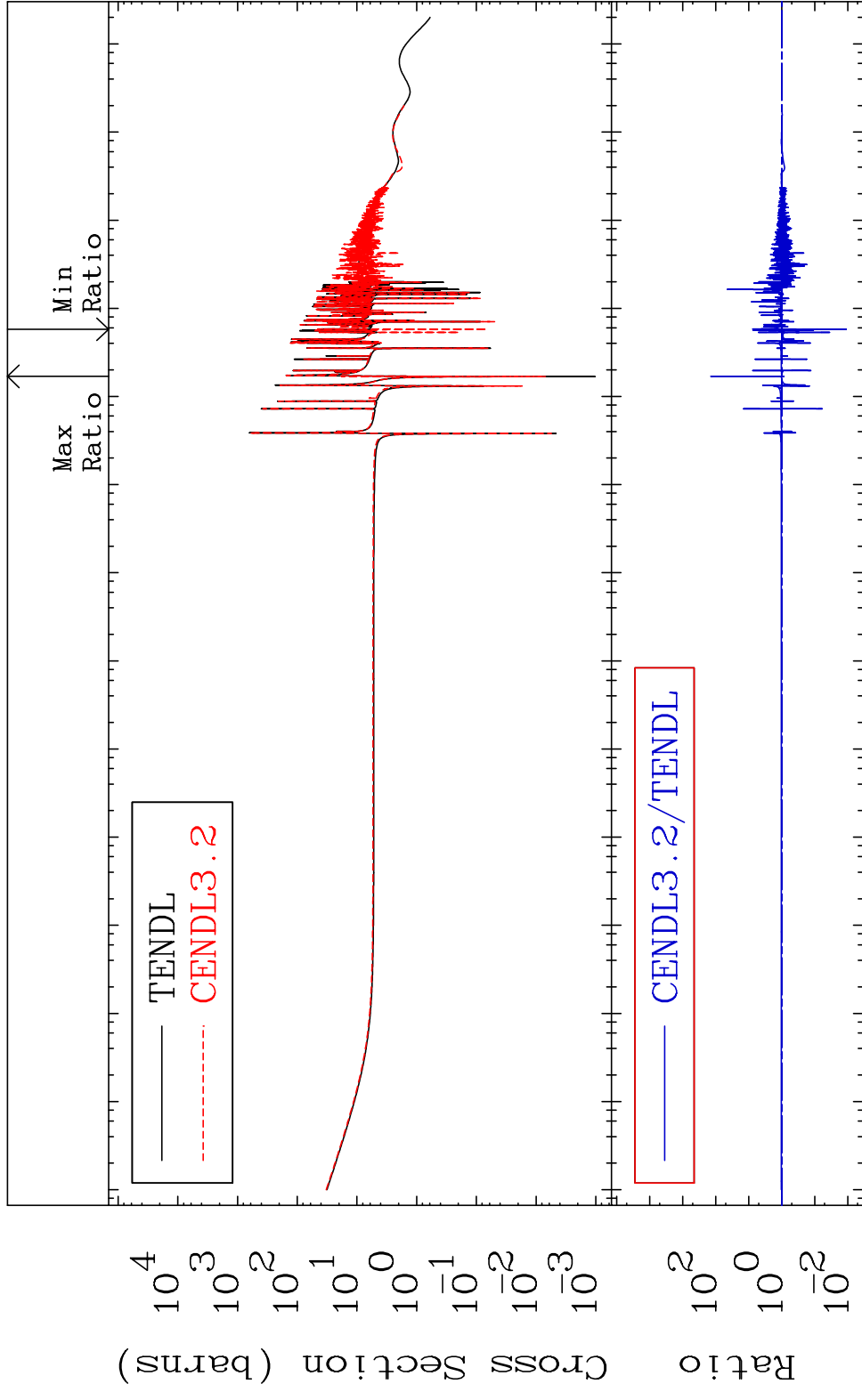
MAT 4025

Elastic

40-Zr-90

Cross Section

-98.90 To 9999. %

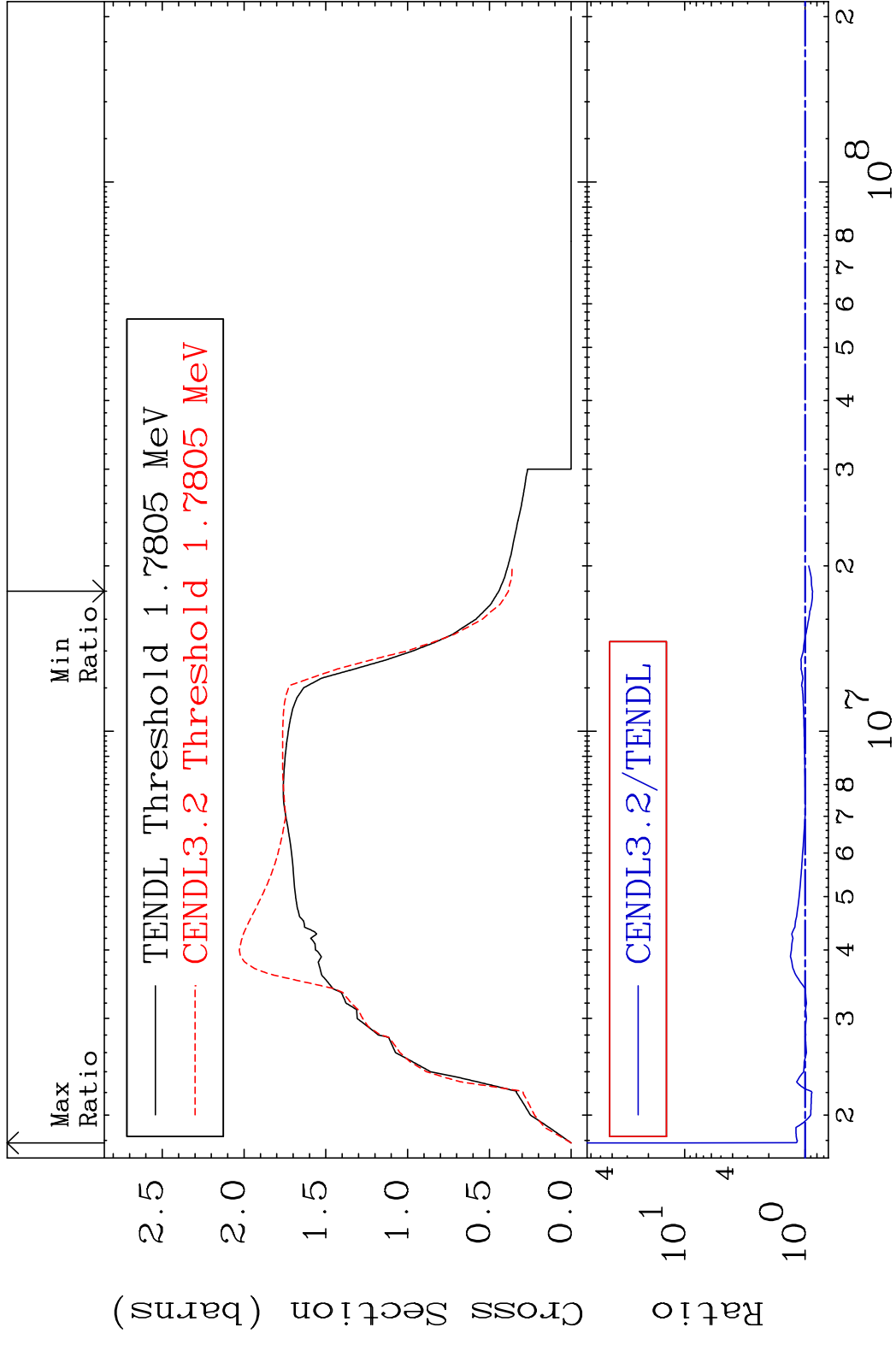


2

Incident Energy (eV)

40-Zr-90

MAT 4025 Inelastic 40-Zr-90  
 Cross Section -13.18 To 944.7 %



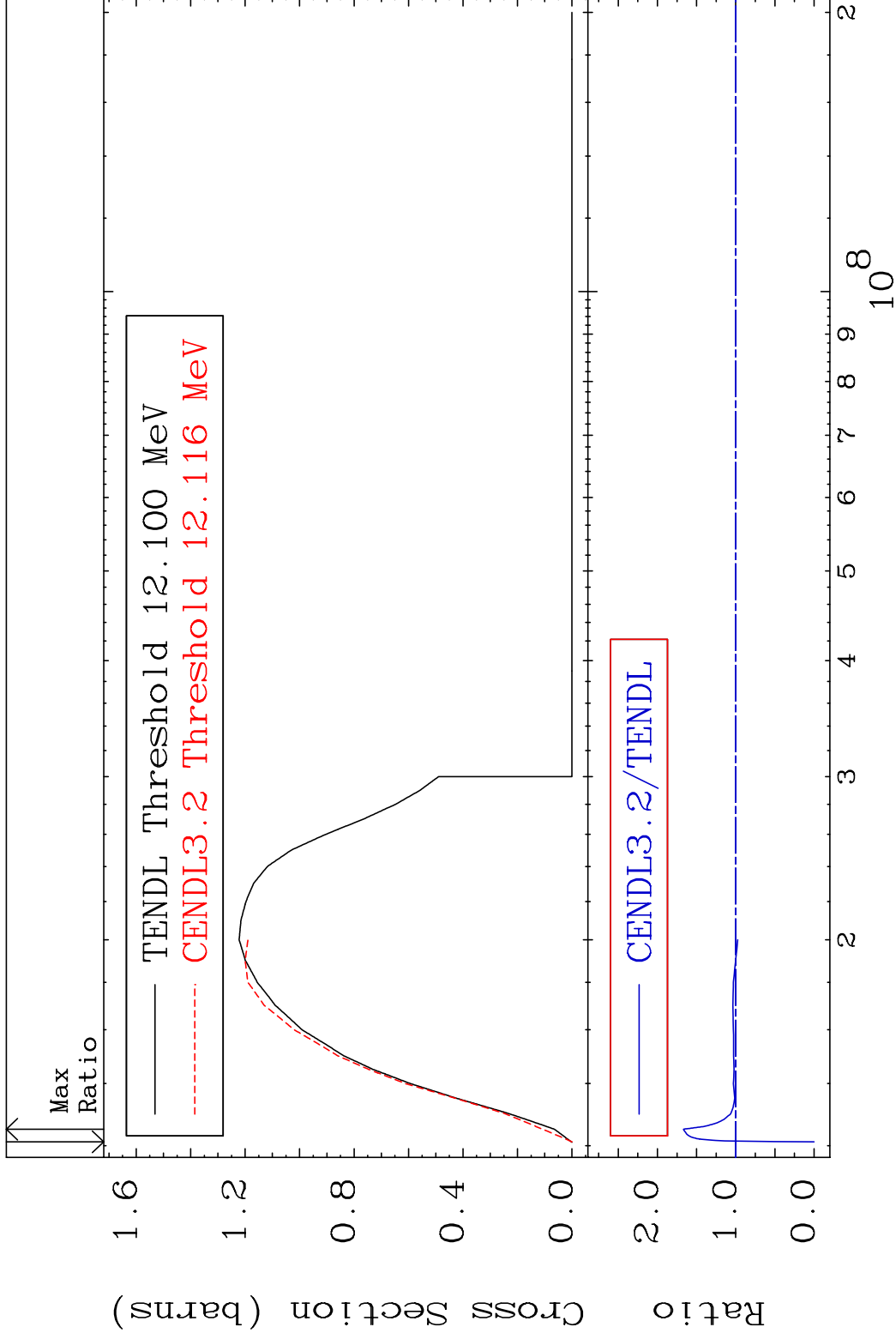
3 3 Incident Energy (eV) 40-Zr-90

MAT 4025

(n,2n)

40-Zr-90

Cross Section -100.0 To 66.74 %

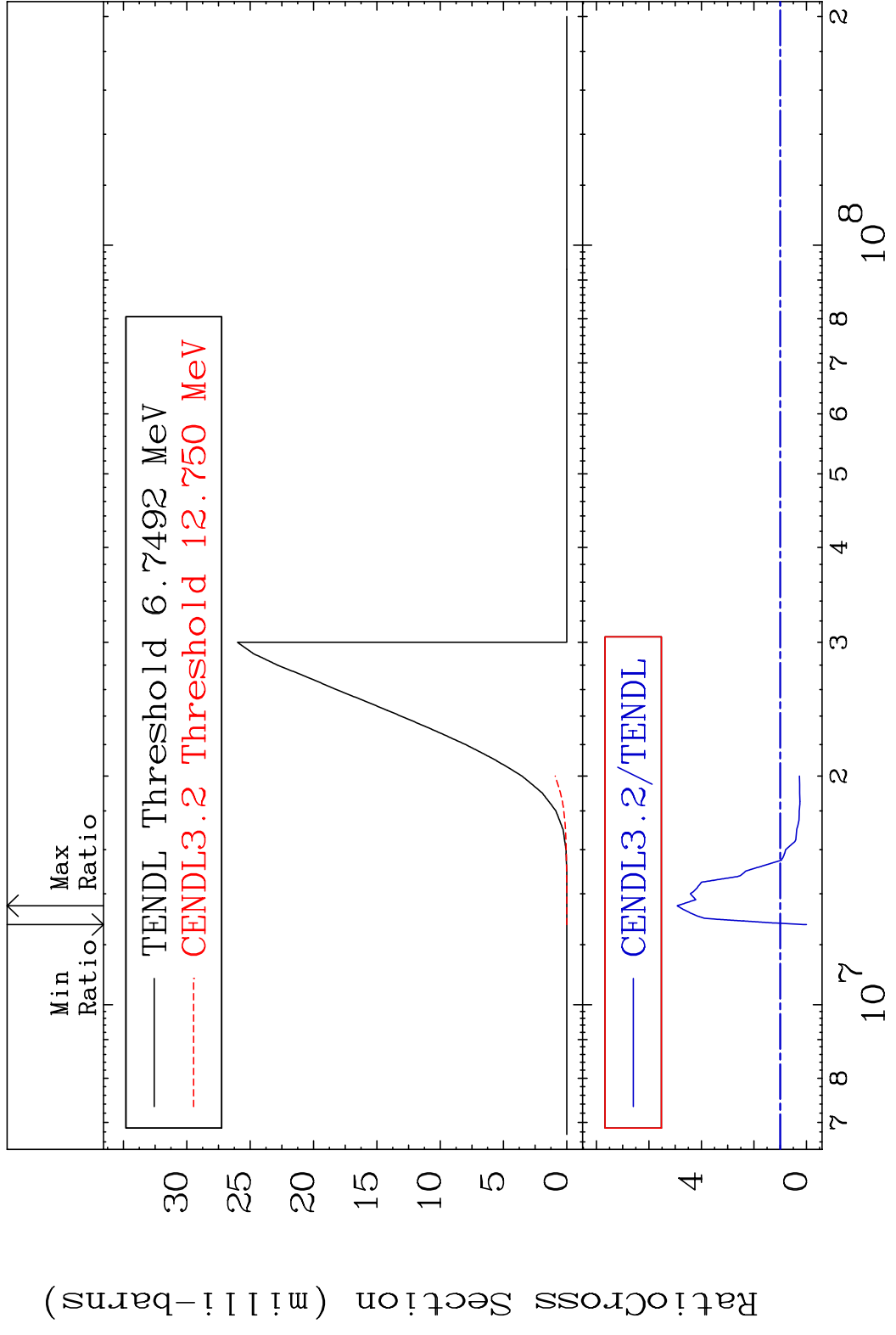


4

Incident Energy (eV)

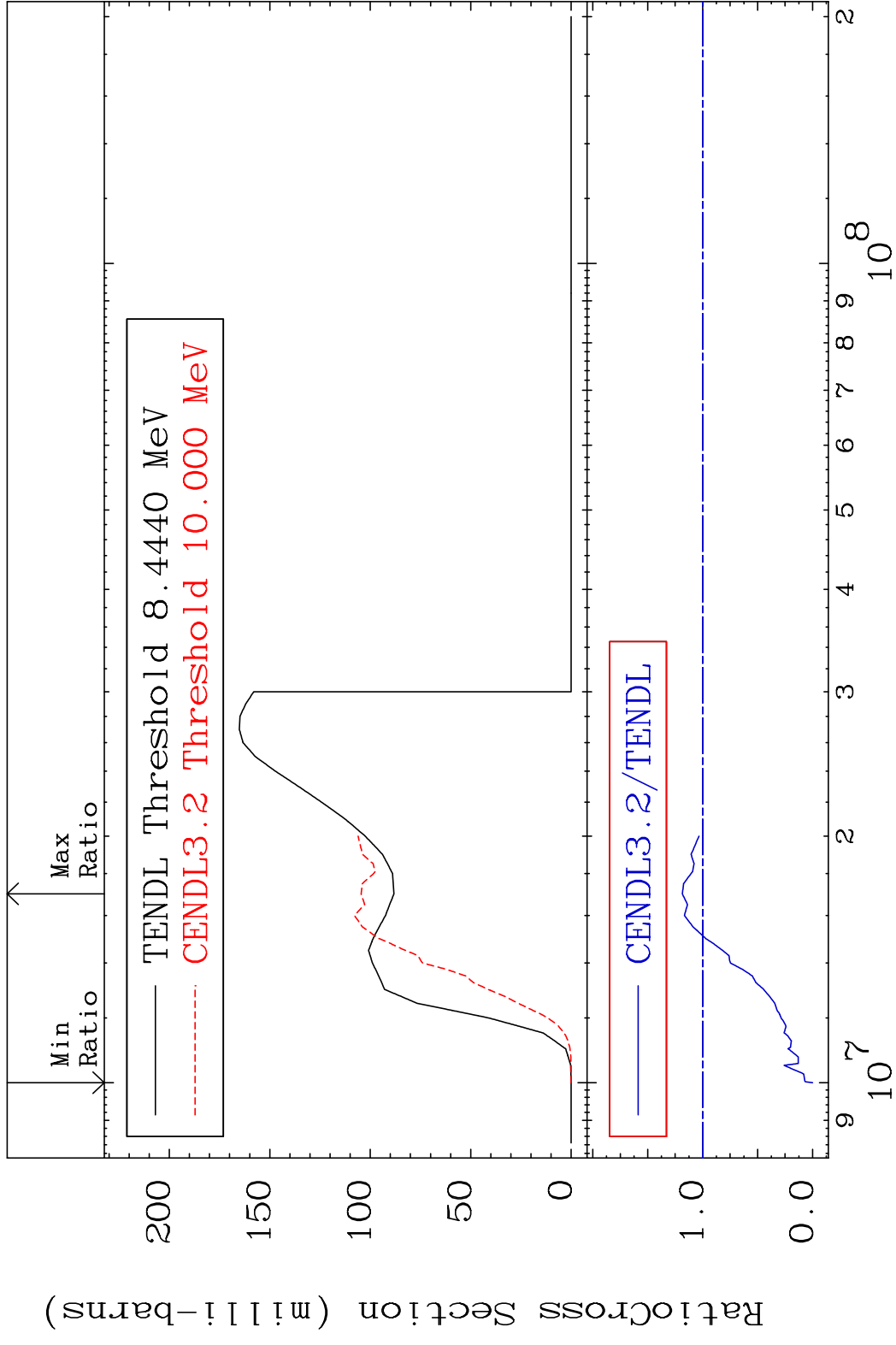
40-Zr-90

MAT 4025 (n, n')  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 392.3 %



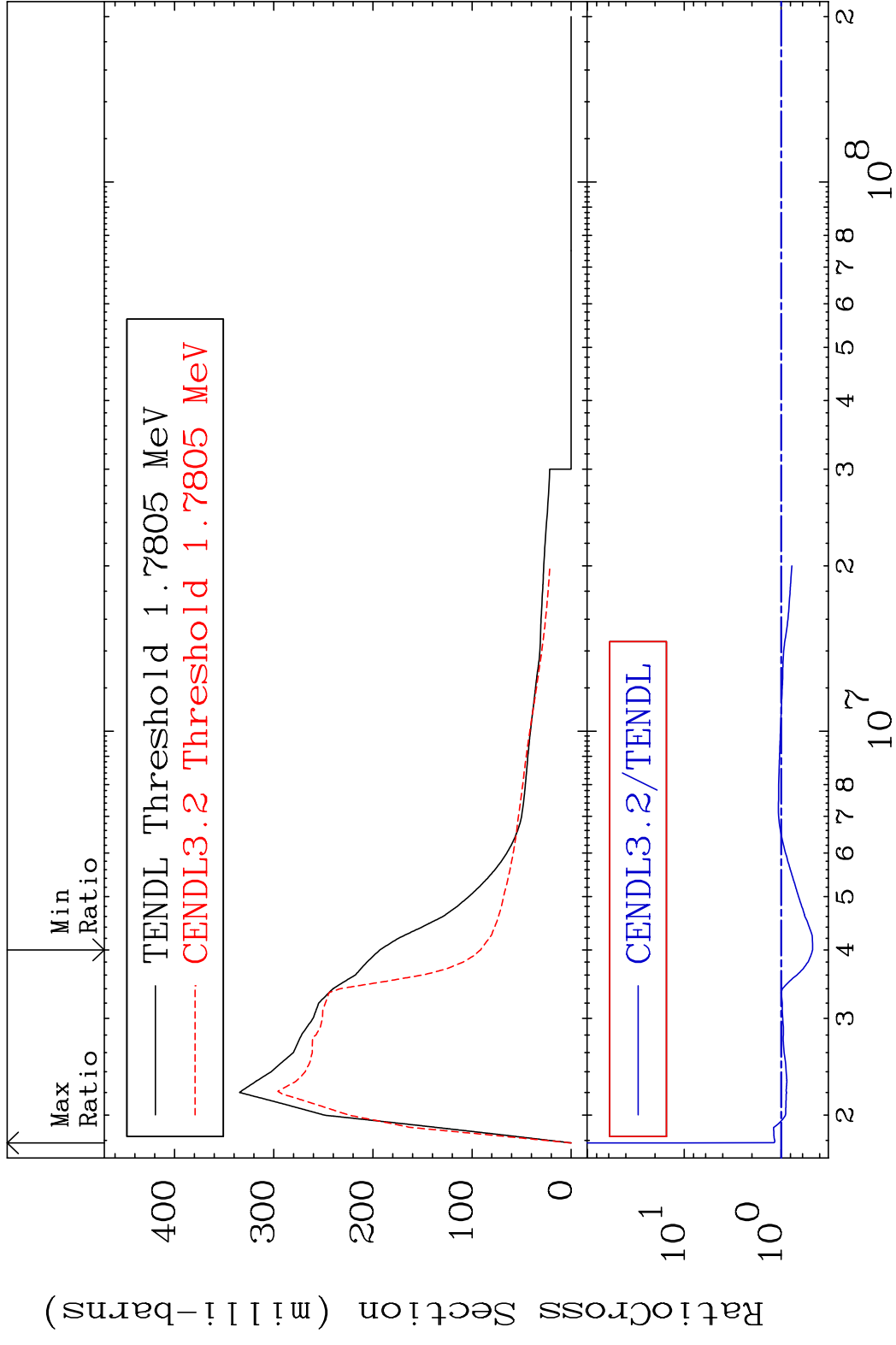
5 40-Zr-90

MAT 4025 (n, n') p 40-Zr-90  
 Cross Section -100.0 To 18.48 %



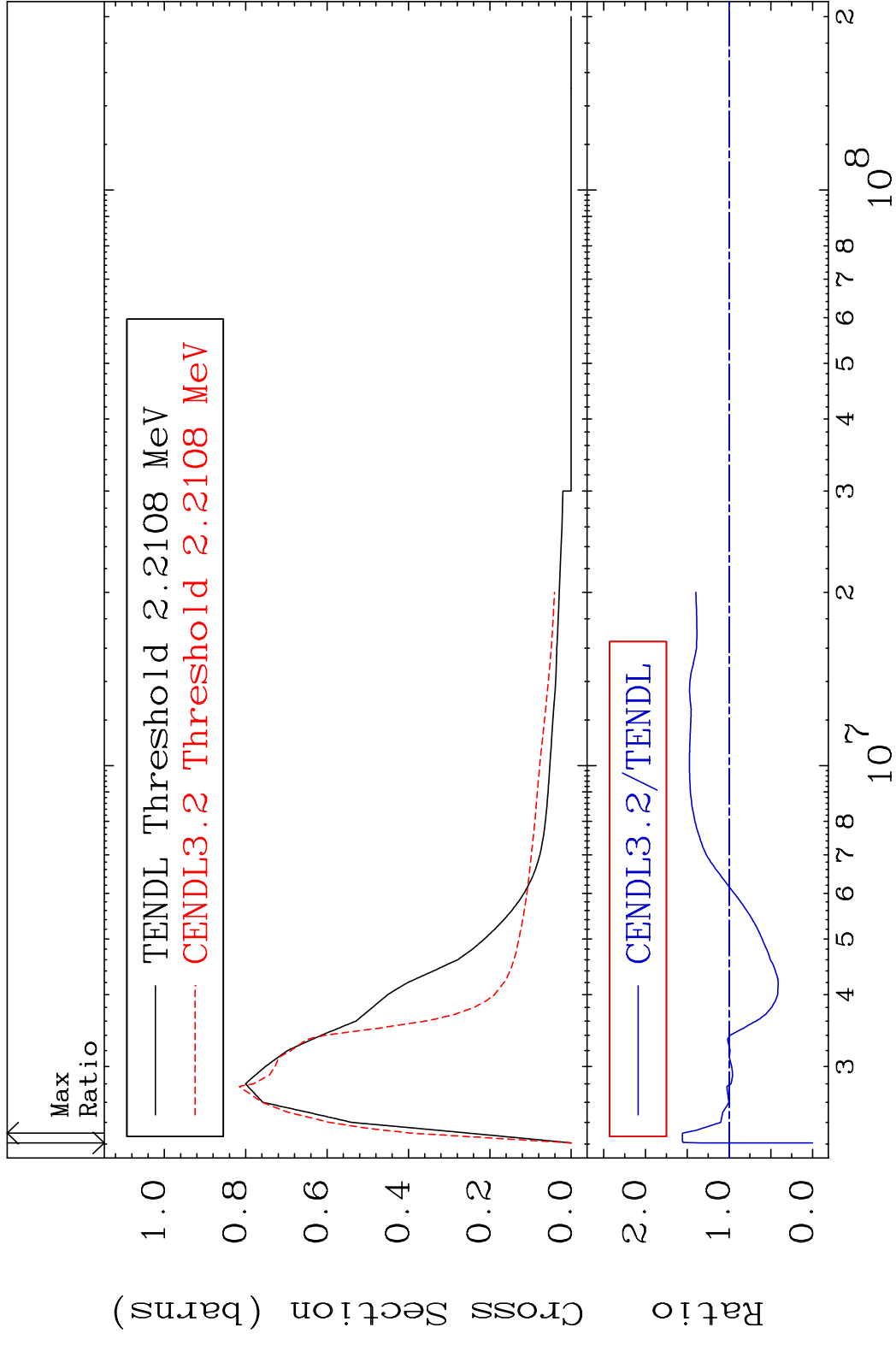
6 9 10 7 8 9 10 8 2

MAT 4025 MT= 51 (n,n') Level 40-Zr-90  
 Cross Section -52.60 To 944.7 %



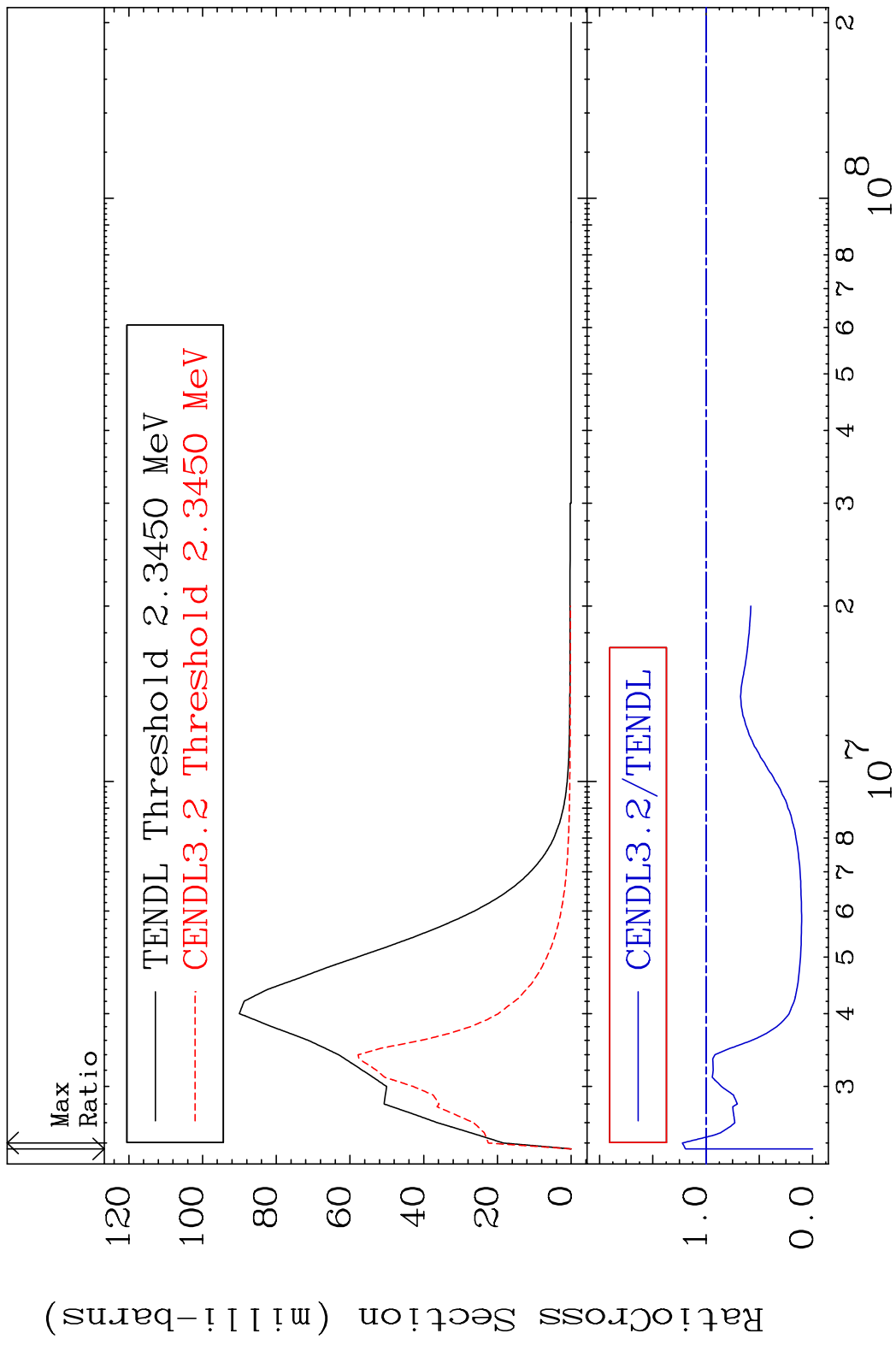
7 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 52 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 55.90 %



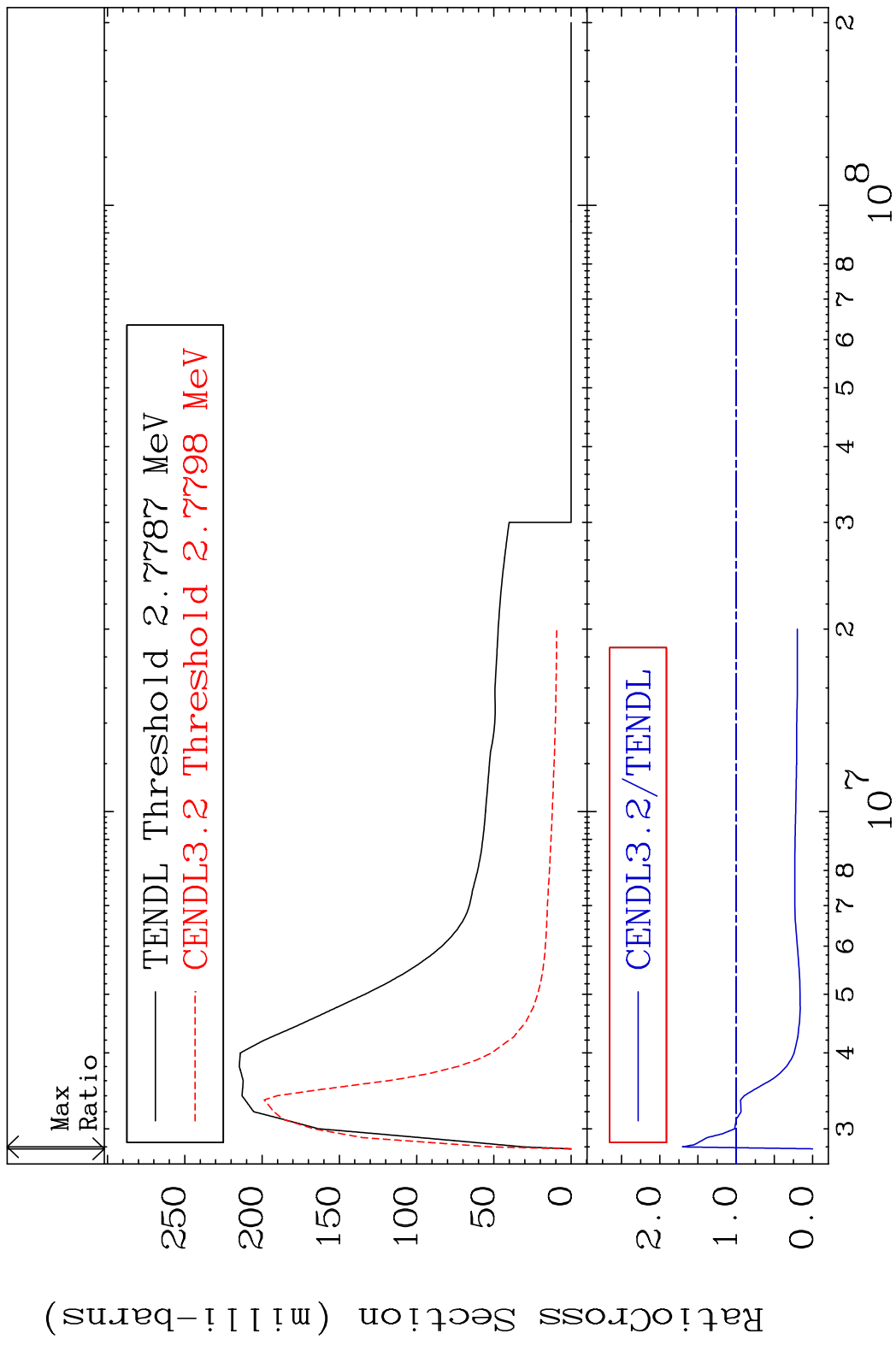
8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 22.23 %

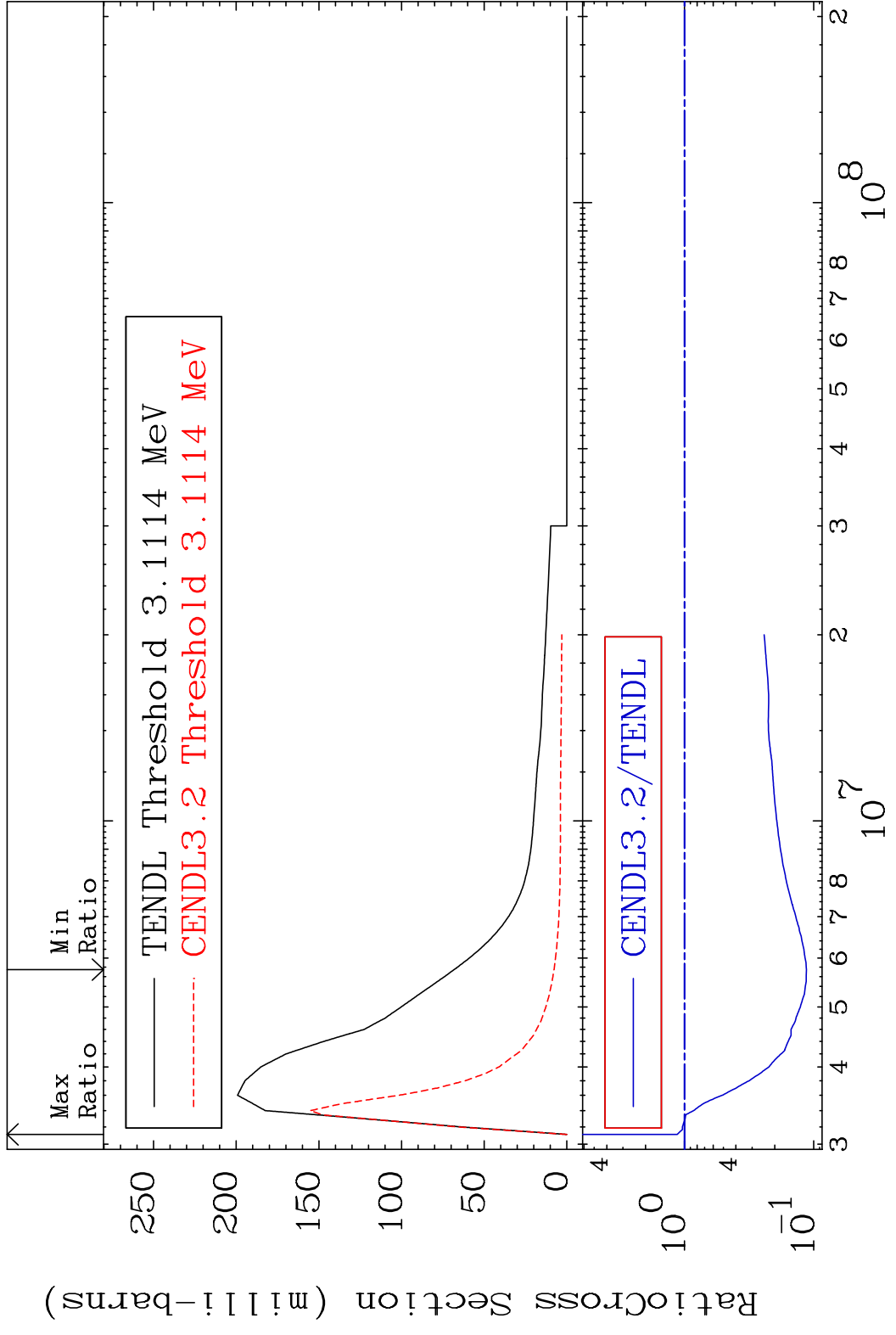




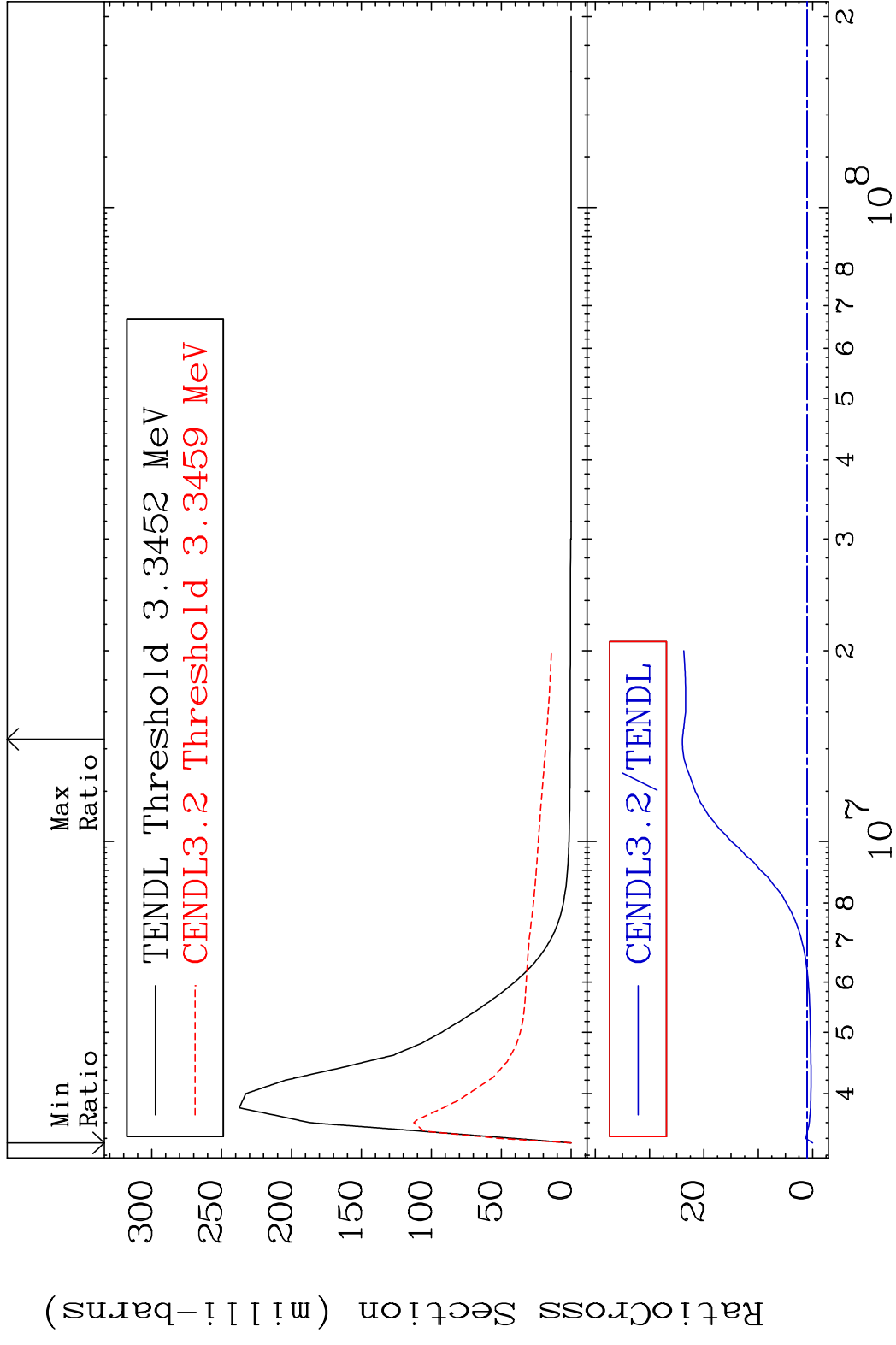
MAT 4025 MT= 55 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 70.43 %



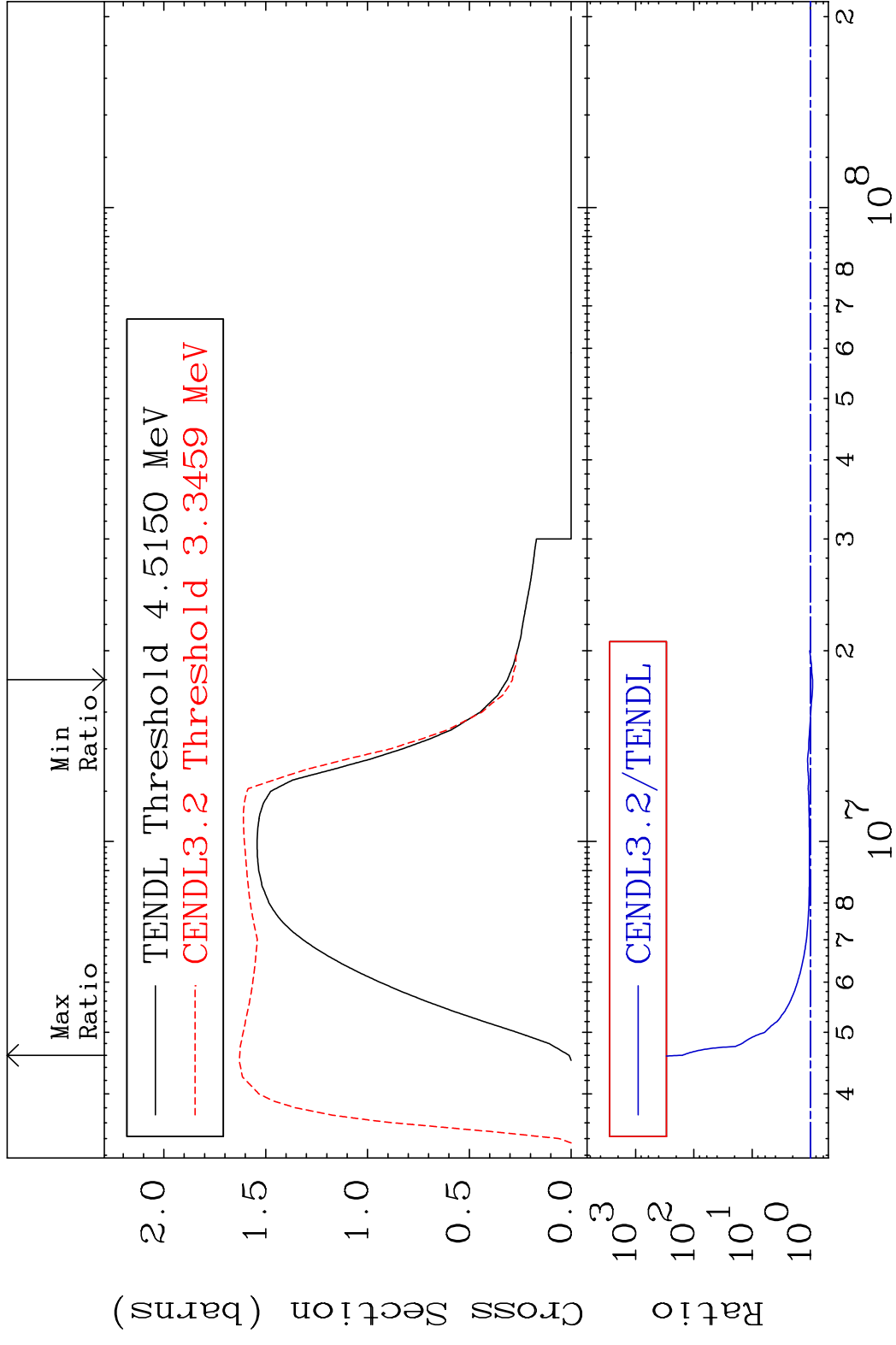
MAT 4025 MT= 56 (n,n') Level 40-Zr-90  
 Cross Section -88.62 To 13.95 %



MAT 4025 MT= 57 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 2297. %



MAT 4025 (n,n') Continuum 40-Zr-90  
 Cross Section -8.077 To 9999. %

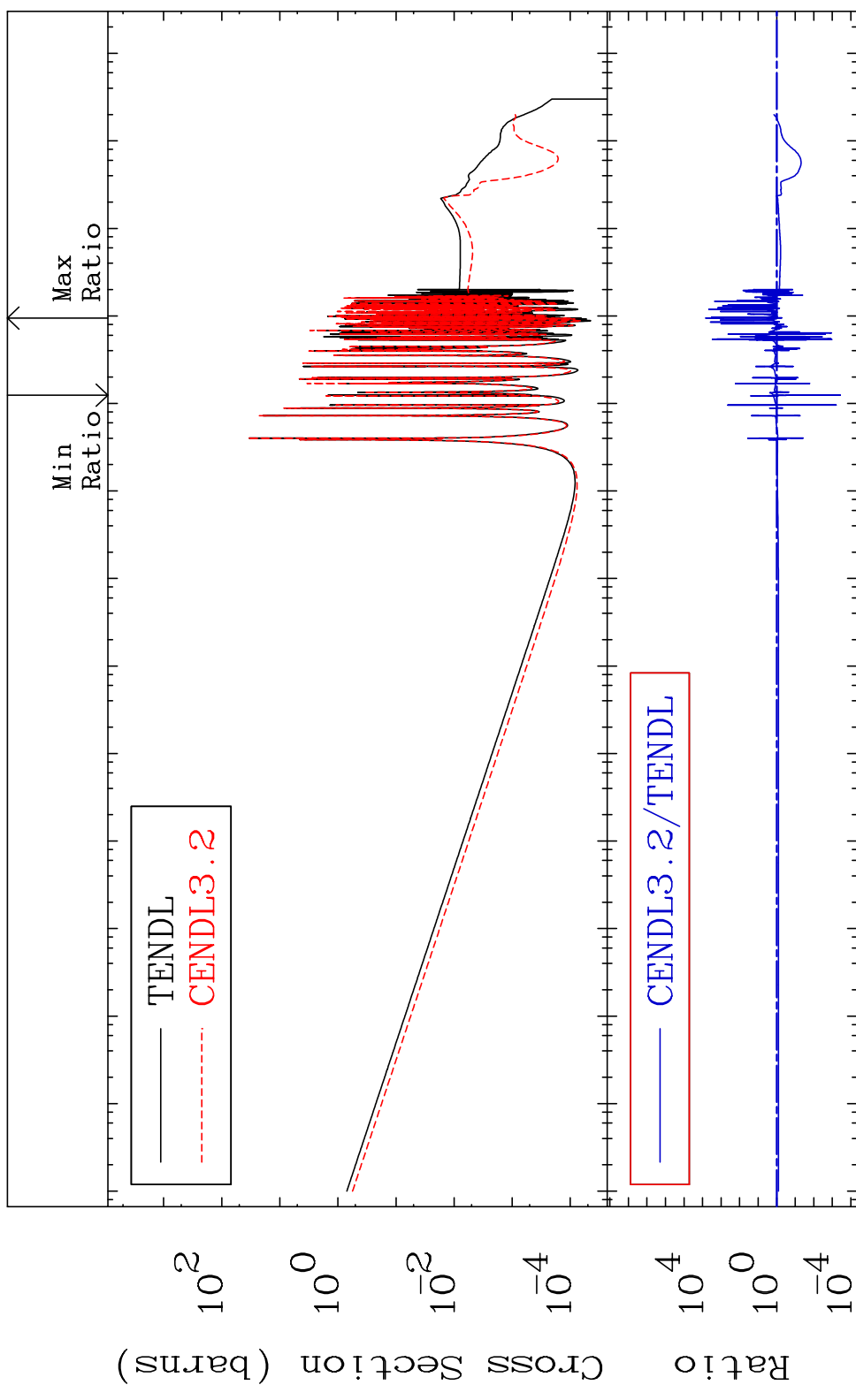


MAT 4025

(n,  $\gamma$ )

40-Zr-90

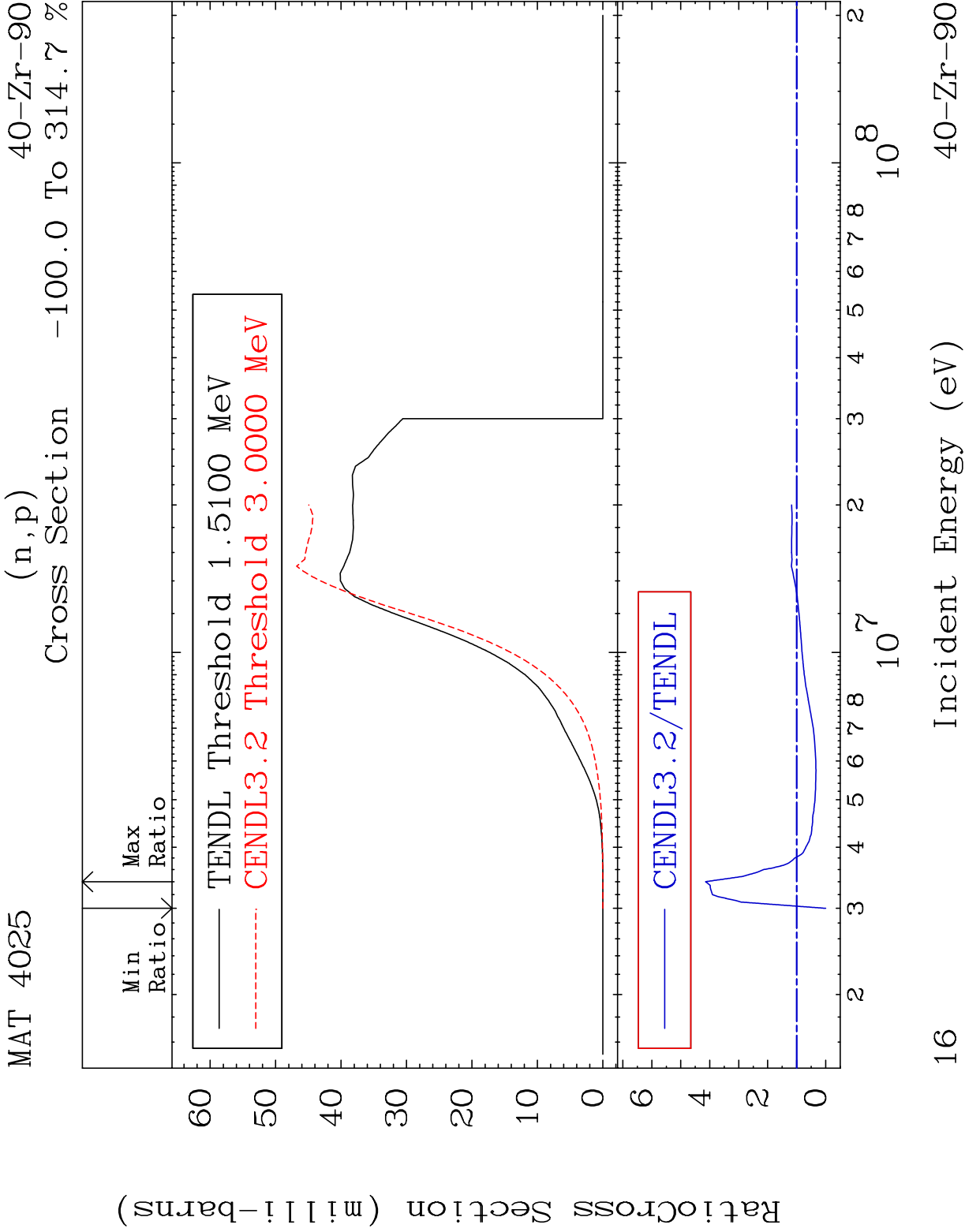
Cross Section -99.96 To 9999. %



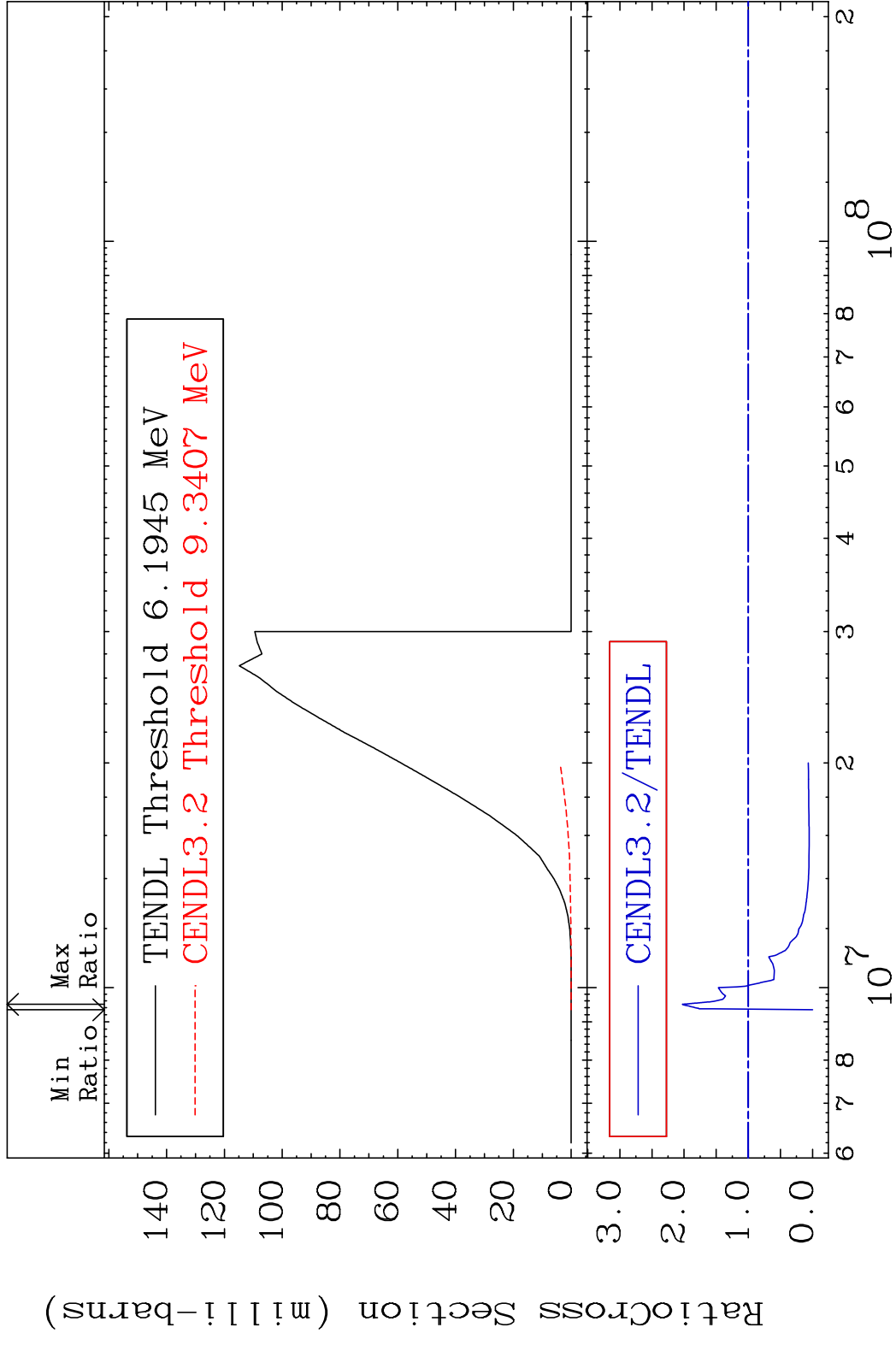
15

Incident Energy (eV)

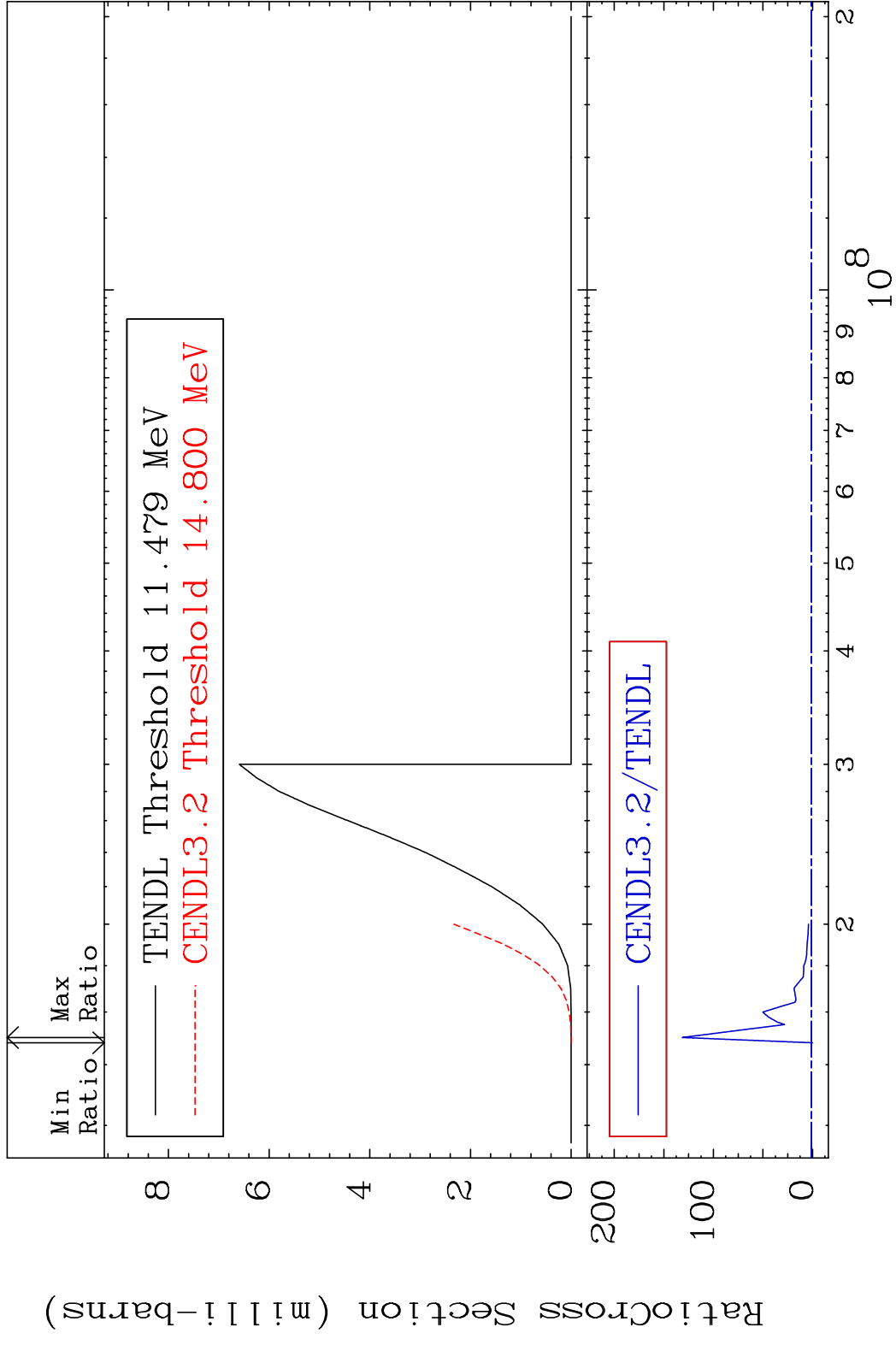
40-Zr-90



MAT 4025 (n,d) 40-Zr-90  
 Cross Section -100.0 To 102.7 %



MAT 4025 (n, t) 40-Zr-90  
 Cross Section -100.0 To 9999. %



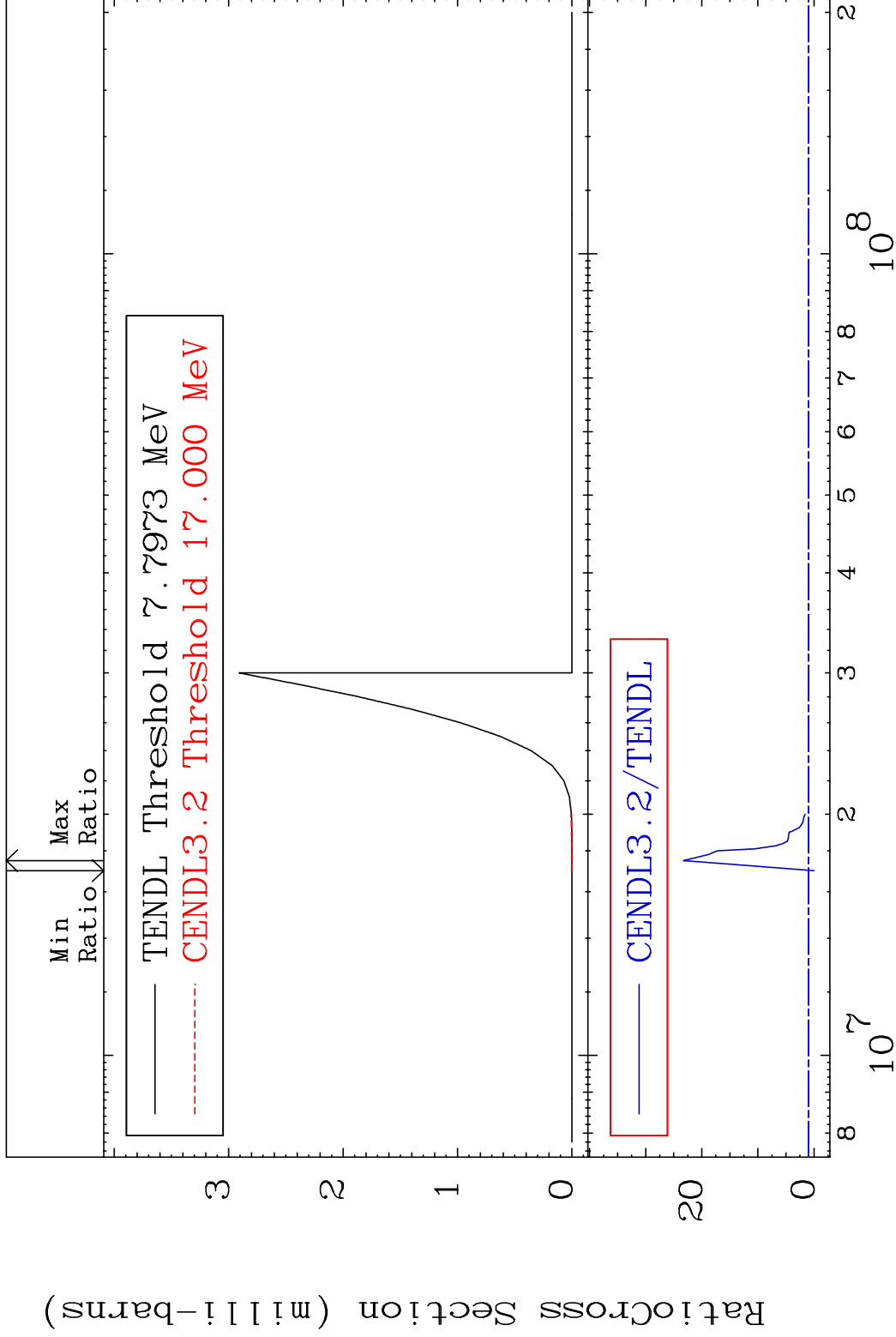
18 40-Zr-90

MAT 4025

(n, He-3)

40-Zr-90

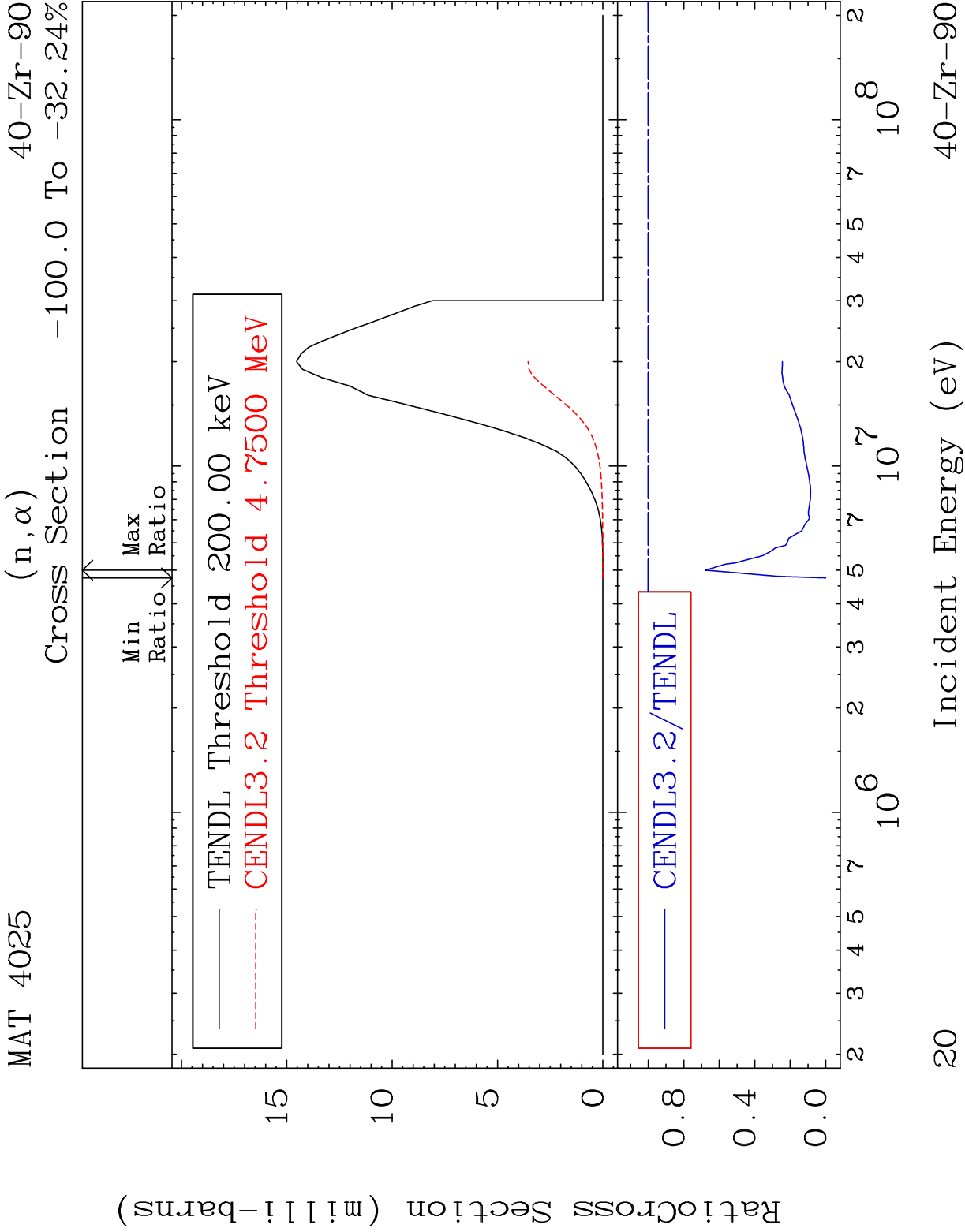
Cross Section -100.0 To 2227. %



19

Incident Energy (eV)

40-Zr-90

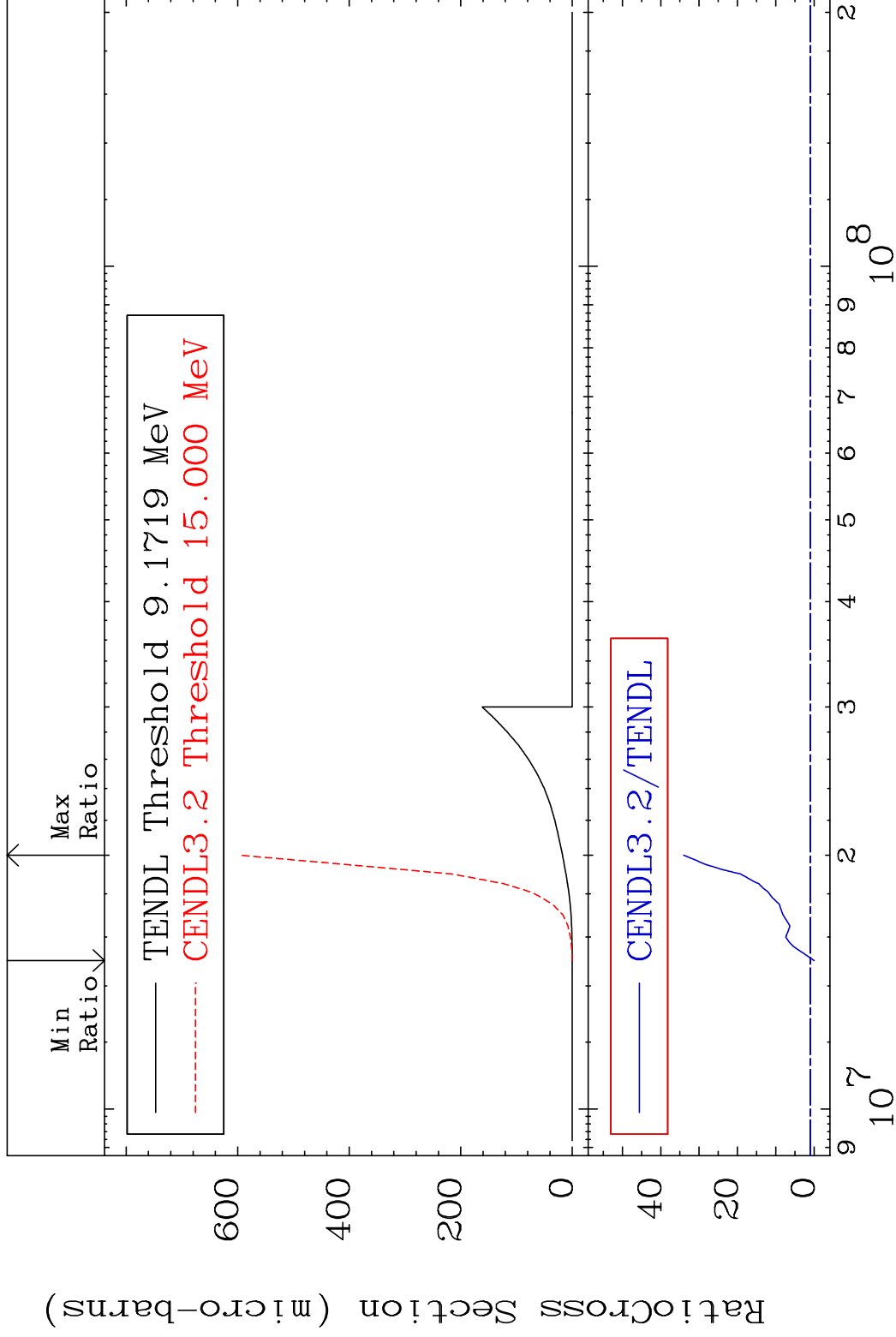


MAT 4025

(n,2p)

40-Zr-90

Cross Section -100.0 To 3302. %

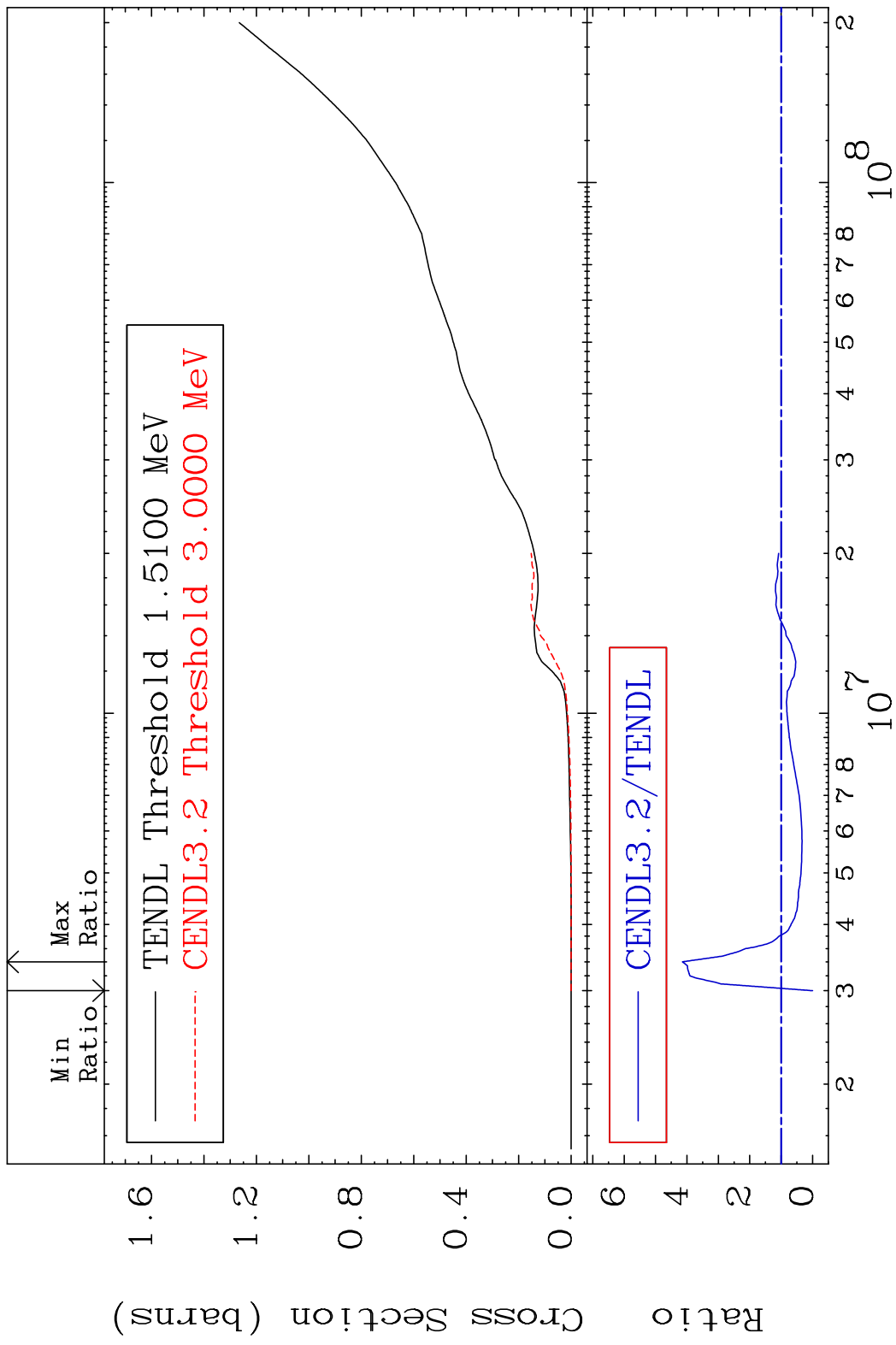


21

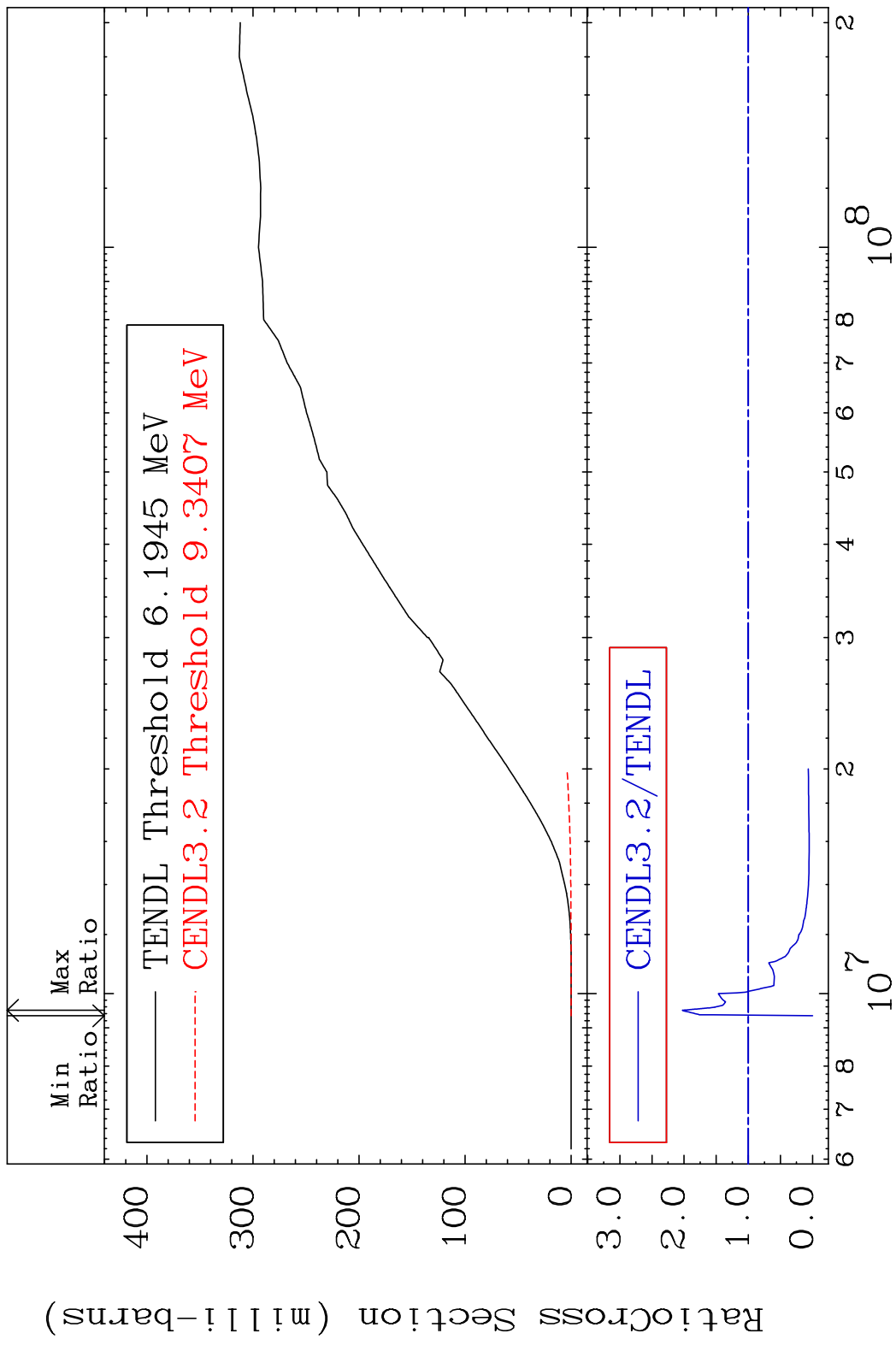
Incident Energy (eV)

40-Zr-90

MAT 4025 Hydrogen Production 40-Zr-90  
 Cross Section -100.0 To 314.7 %

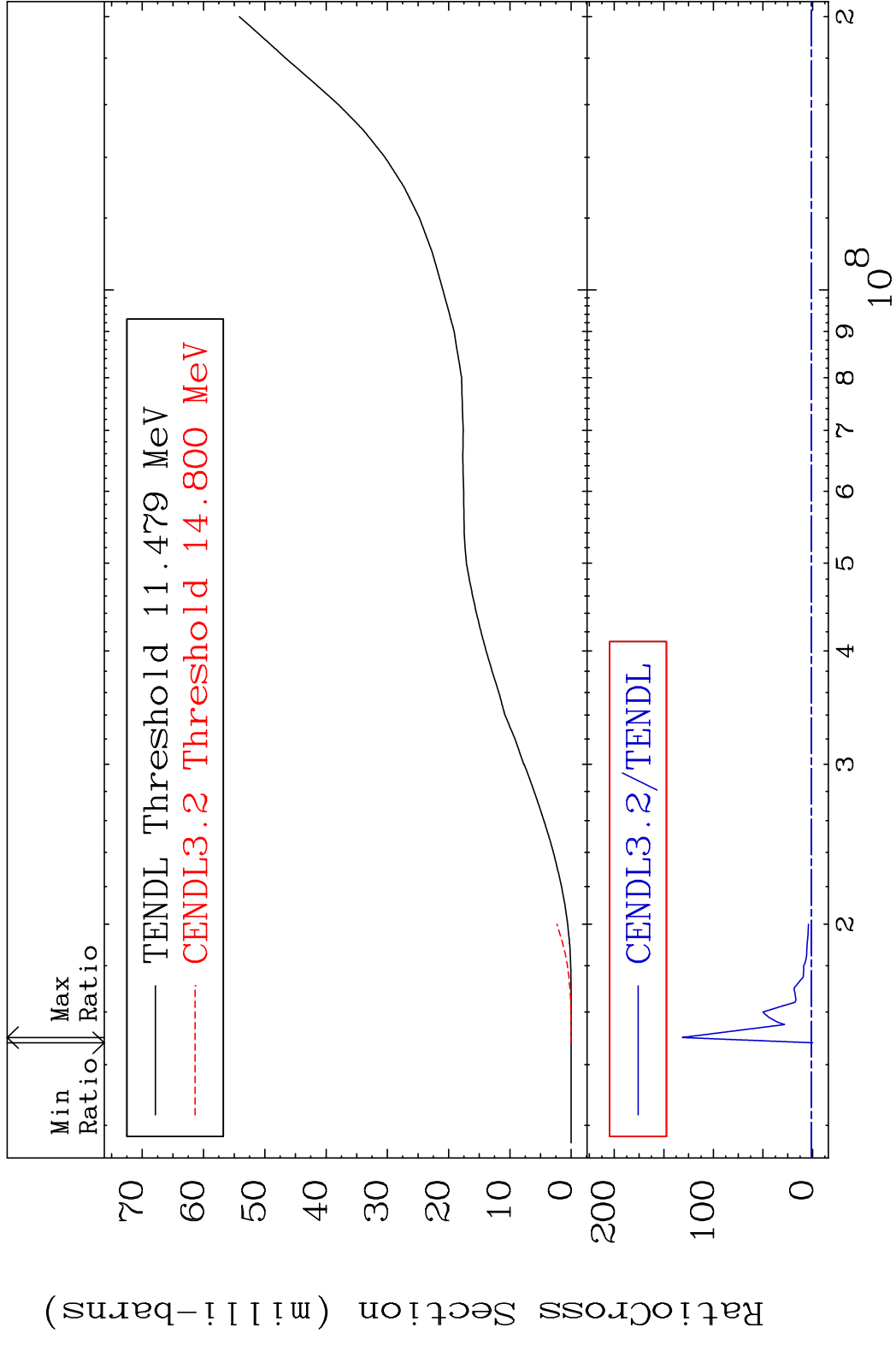


MAT 4025 Deuterium Production 40-Zr-90  
 Cross Section -100.0 To 102.7 %



23 40-Zr-90

MAT 4025 Tritium Production 40-Zr-90  
 Cross Section -100.0 To 9999. %

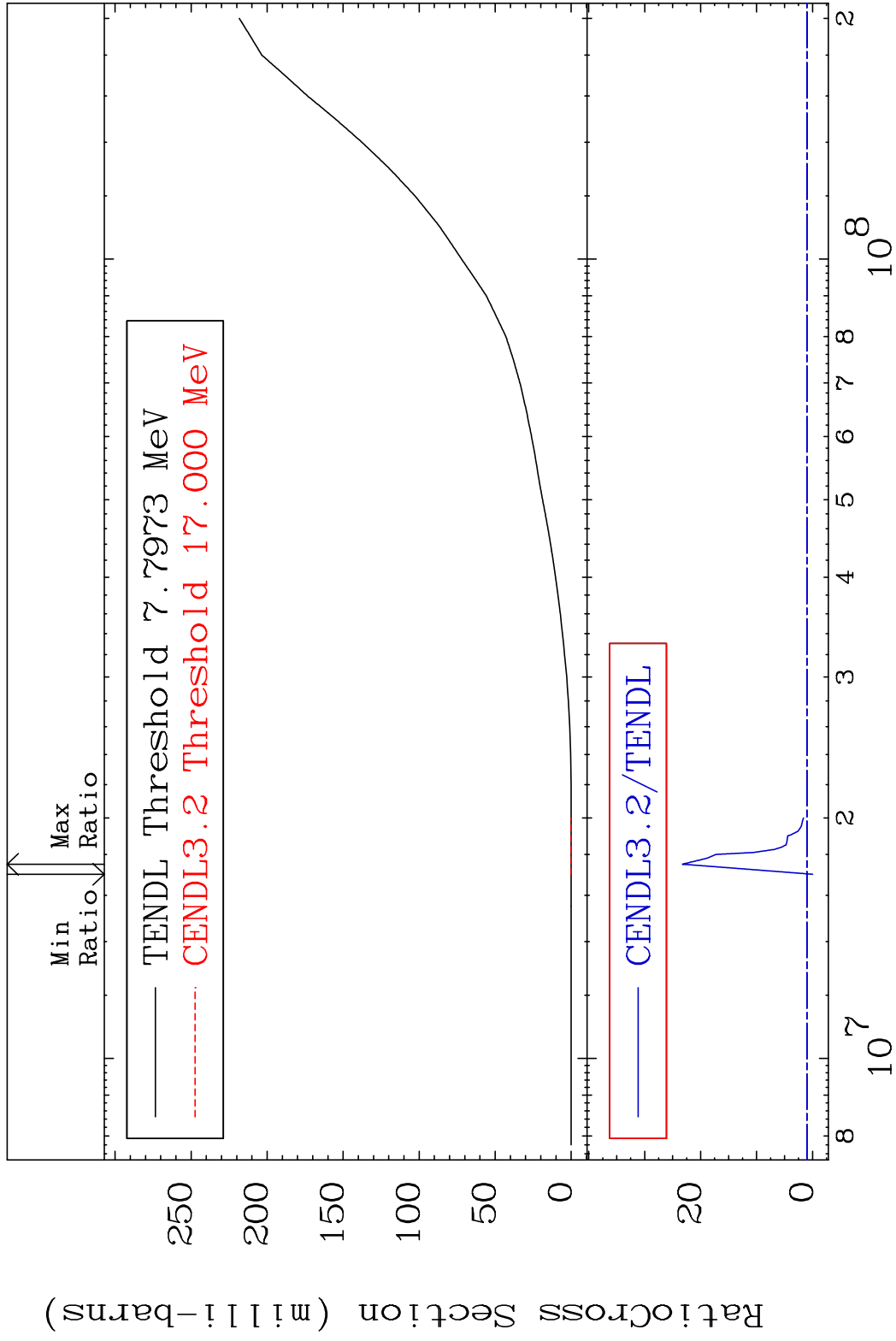


MAT 4025

He-3 Production

40-Zr-90

Cross Section -100.0 To 2227. %



25

Incident Energy (eV)

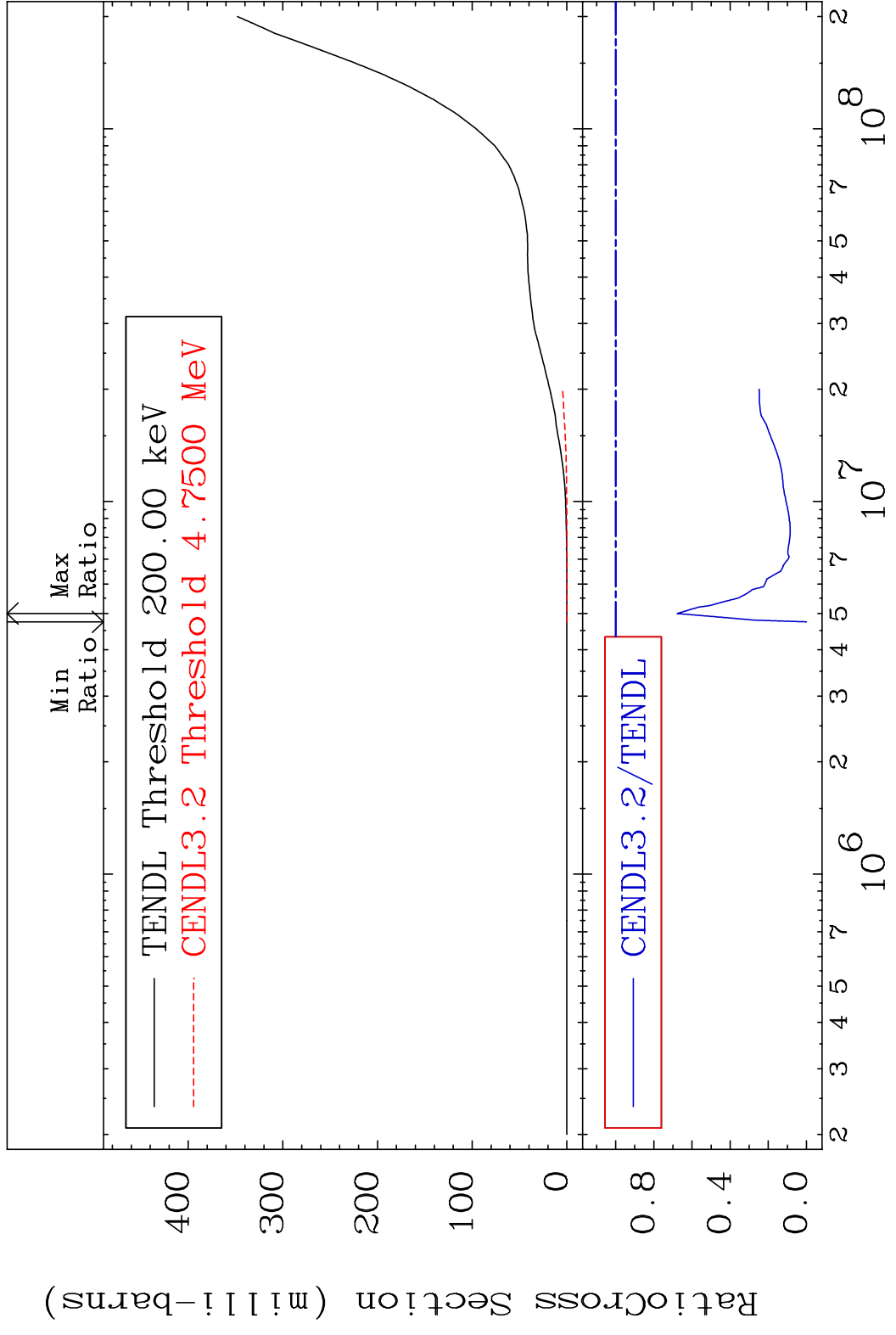
40-Zr-90

MAT 4025

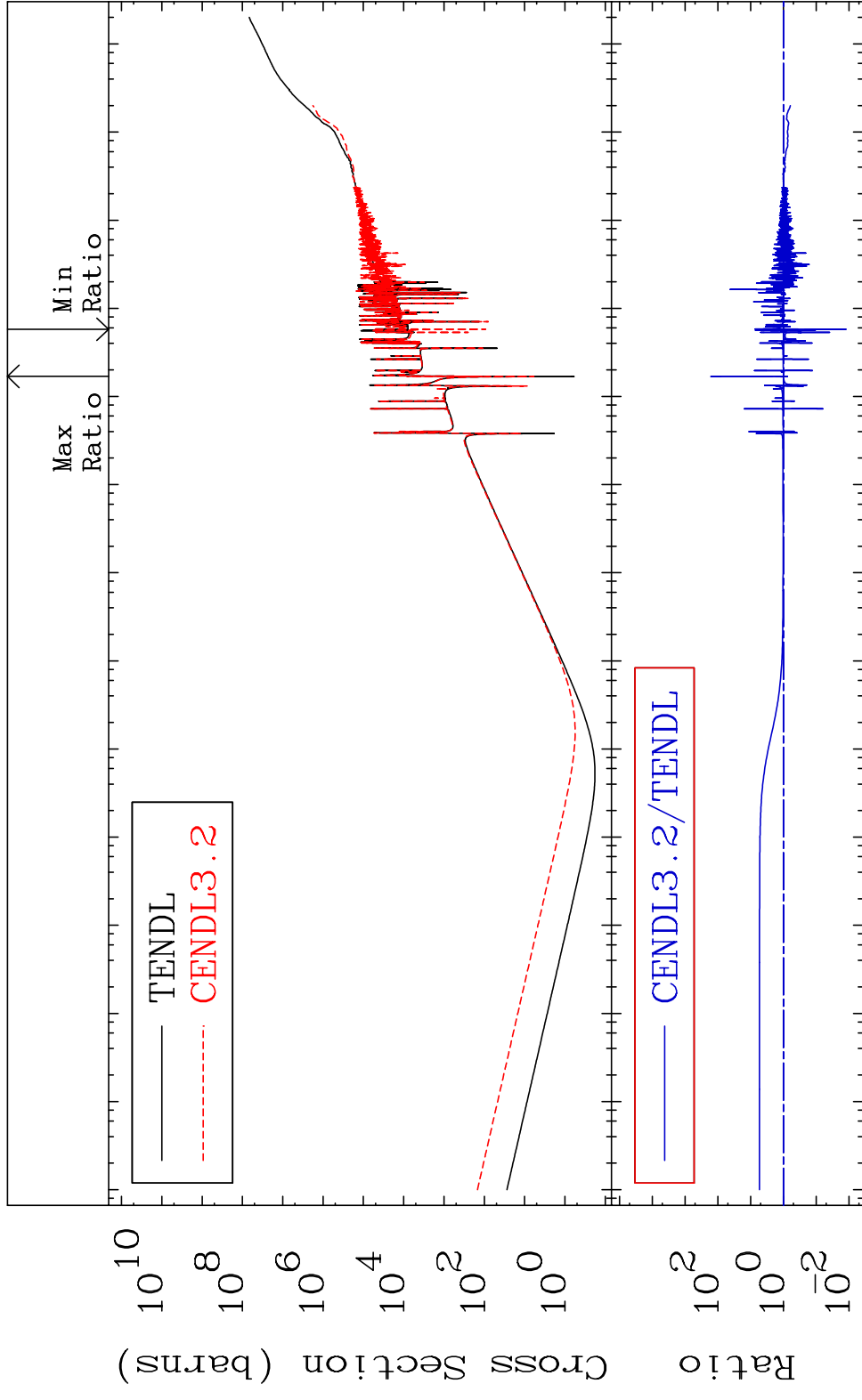
He-4 Production

40-Zr-90

Cross Section -100.0 To -32.24%



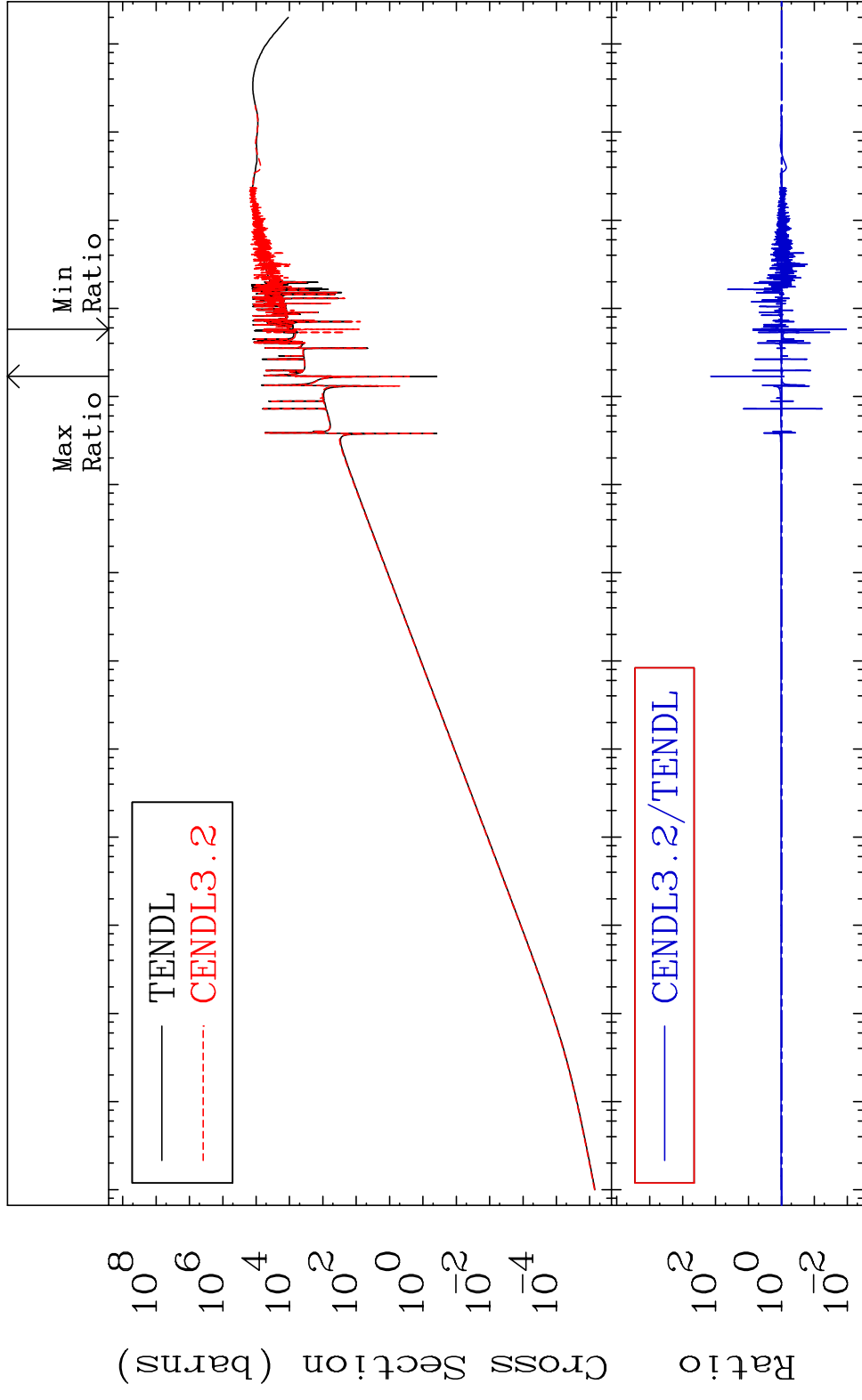
MAT 4025 Kerma total (eV-barns) 40-Zr-90  
 Cross Section -98.79 To 9999. %



MAT 4025

Kerma elastic  
Cross Section

40-Zr-90  
-98.93 To 9999. %

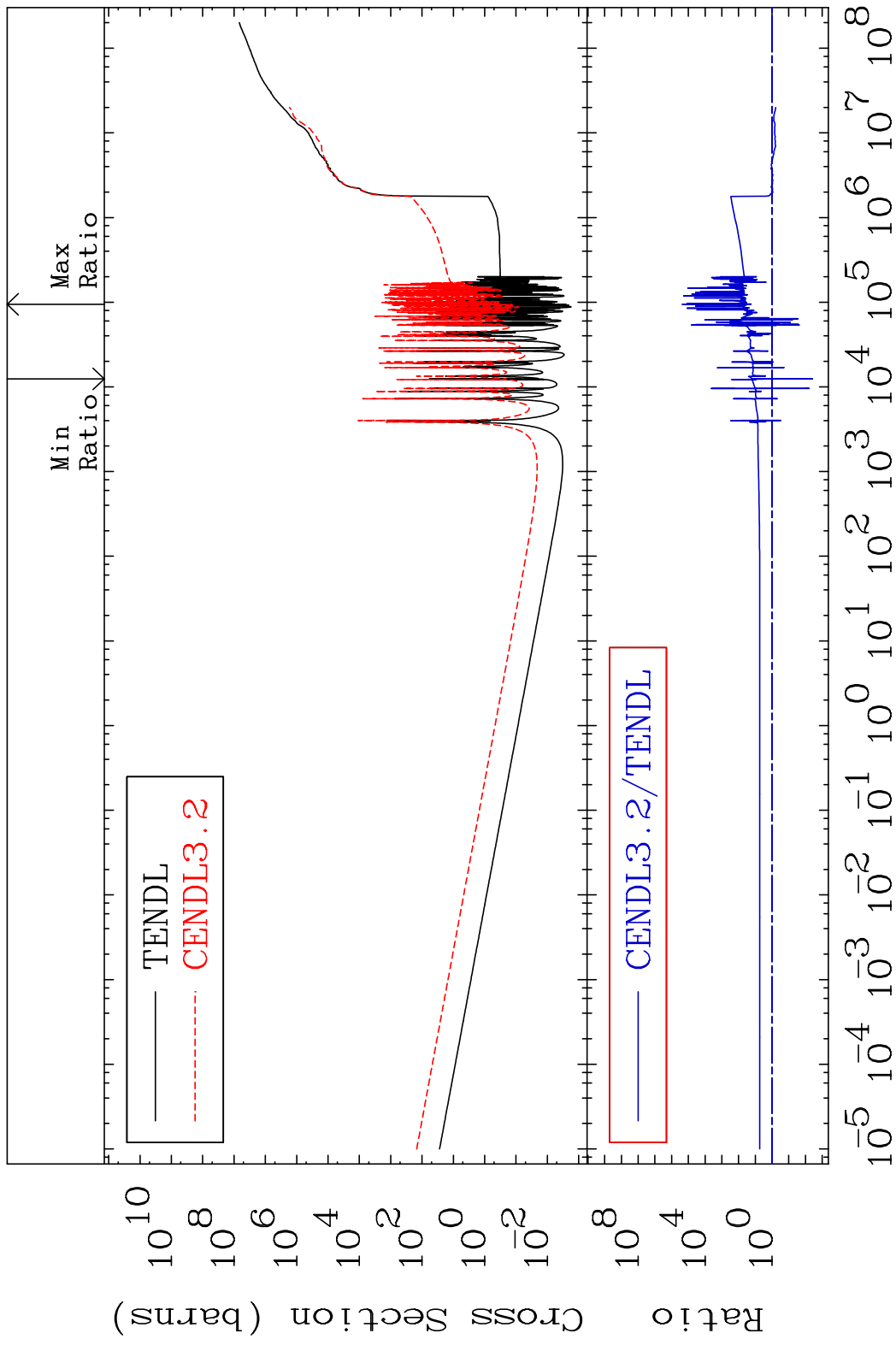


28

Incident Energy (eV)

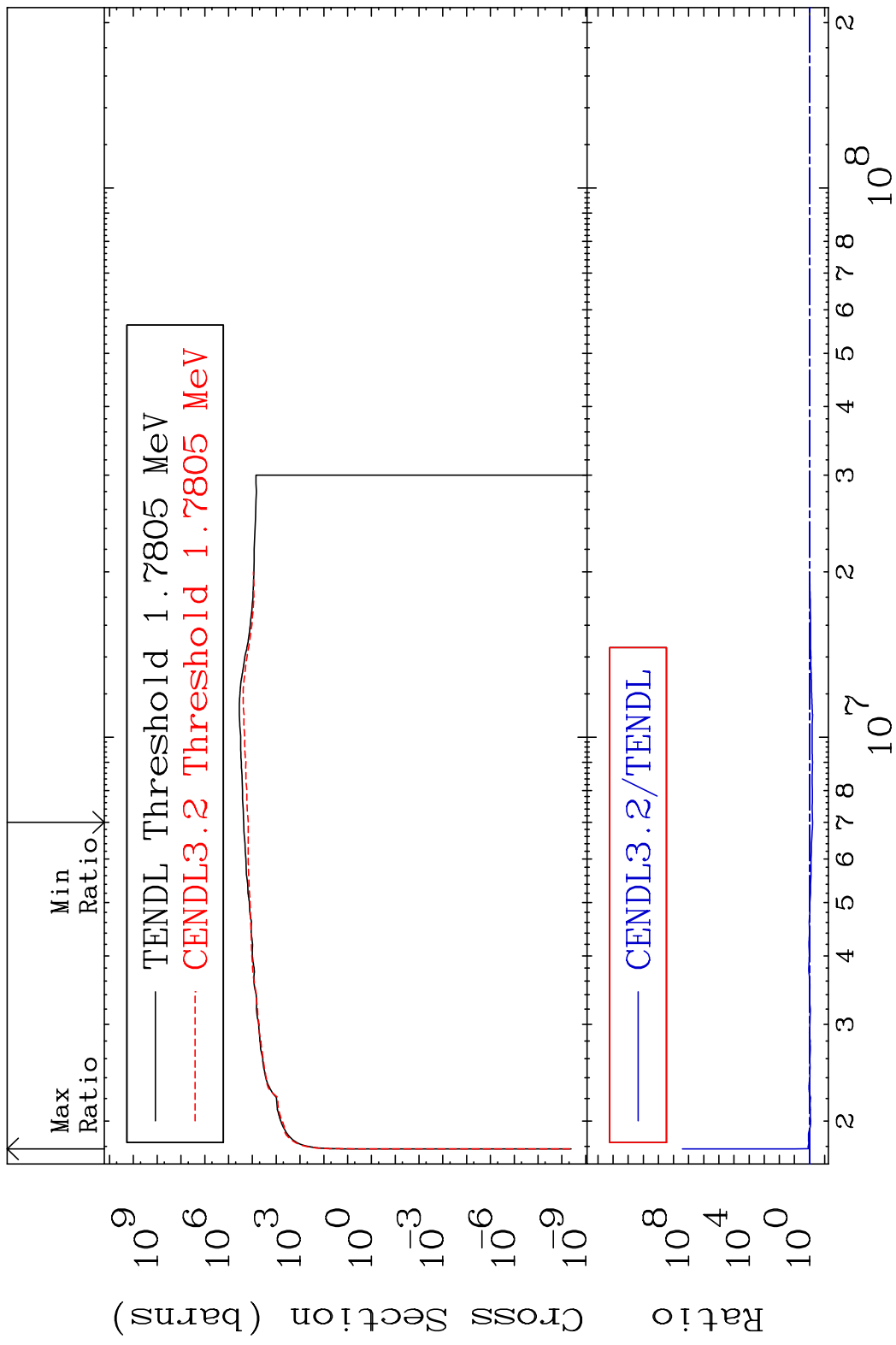
40-Zr-90

MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90  
 Cross Section -99.62 To 9999. %



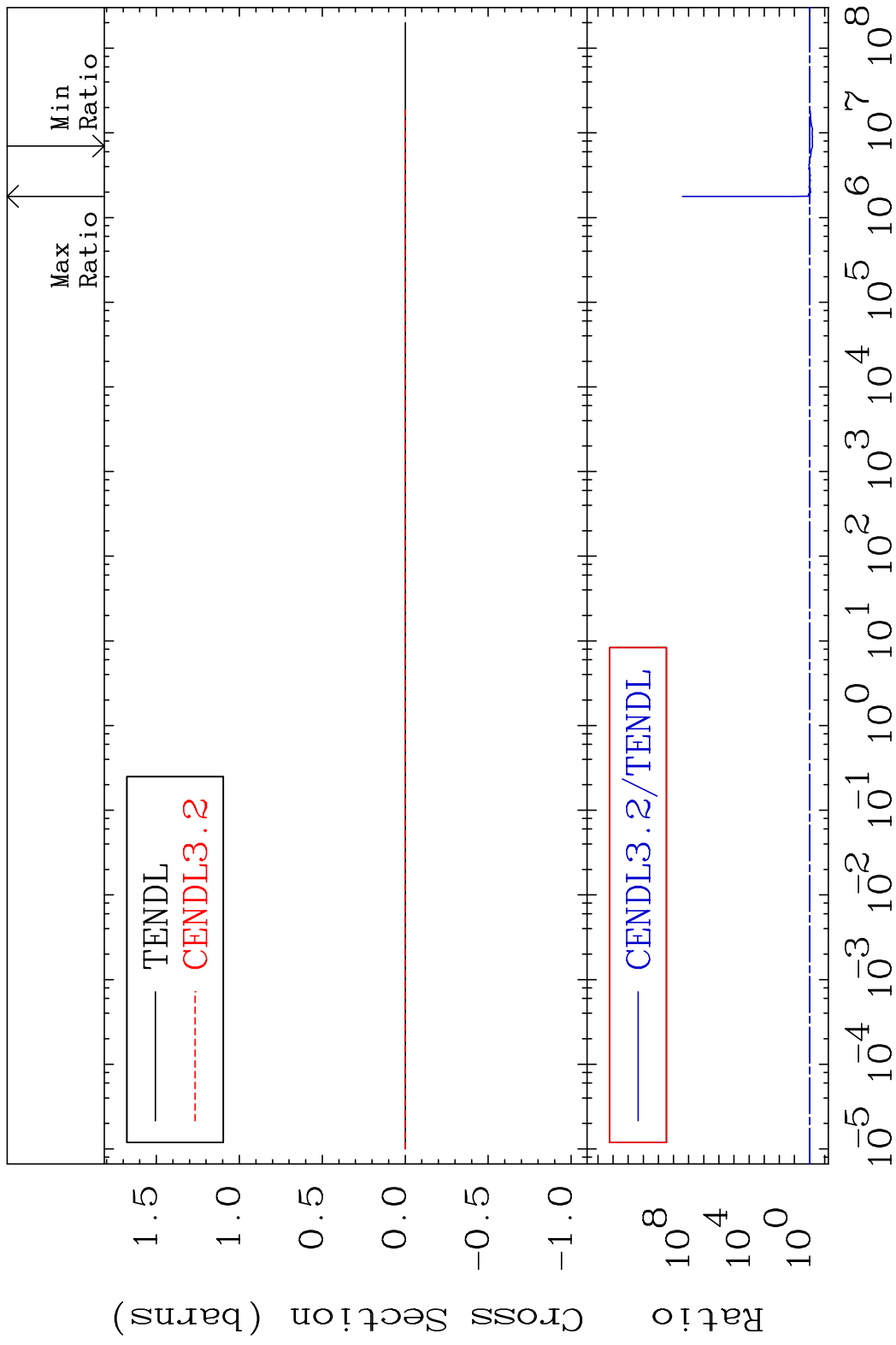
29 Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90  
 Cross Section -36.36 To 9999. %

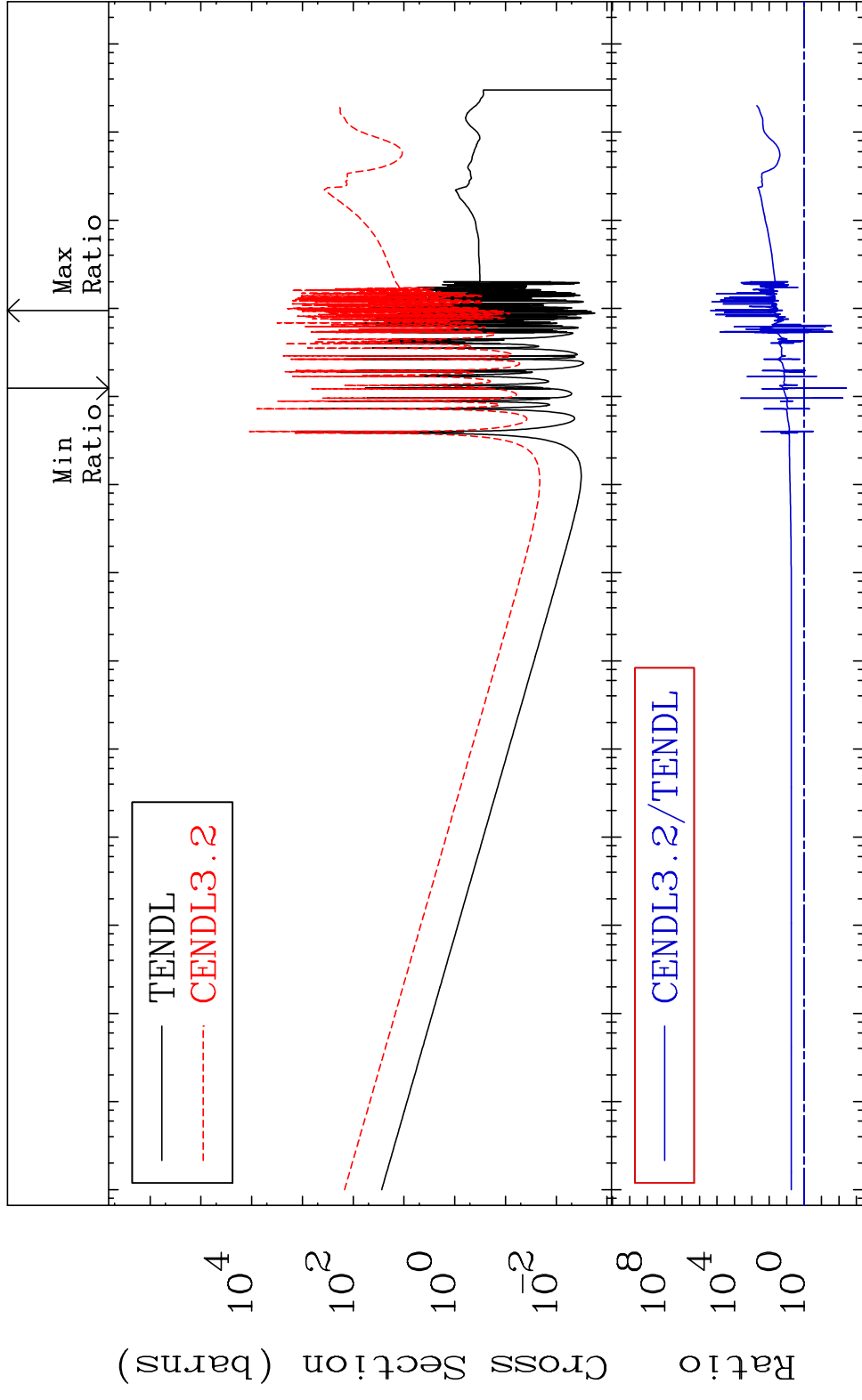


30 Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90  
 Cross Section -36.36 To 9999. %

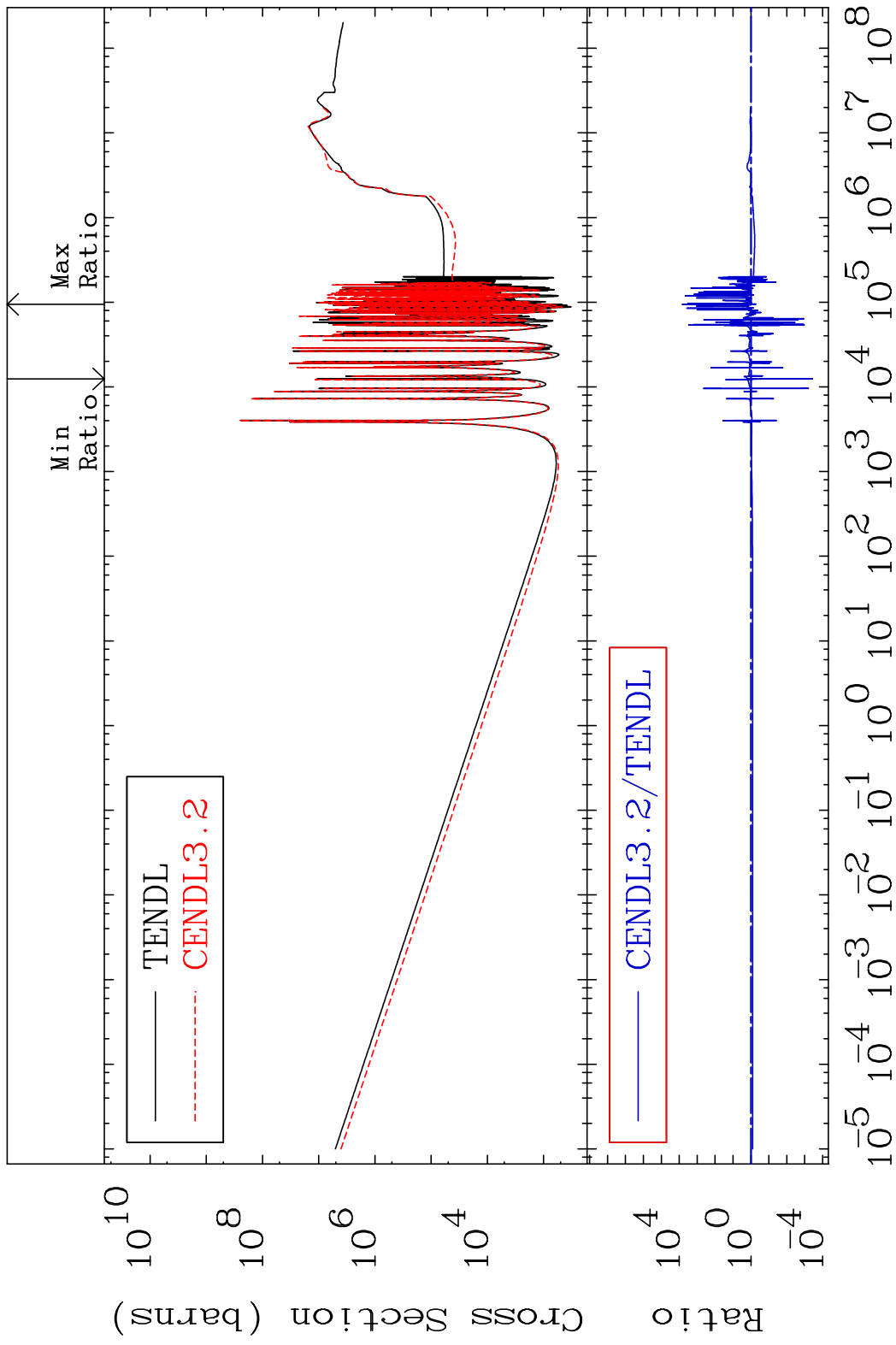


MAT 4025 Kerma capture (mt102) 40-Zr-90  
 Cross Section -99.62 To 9999. %



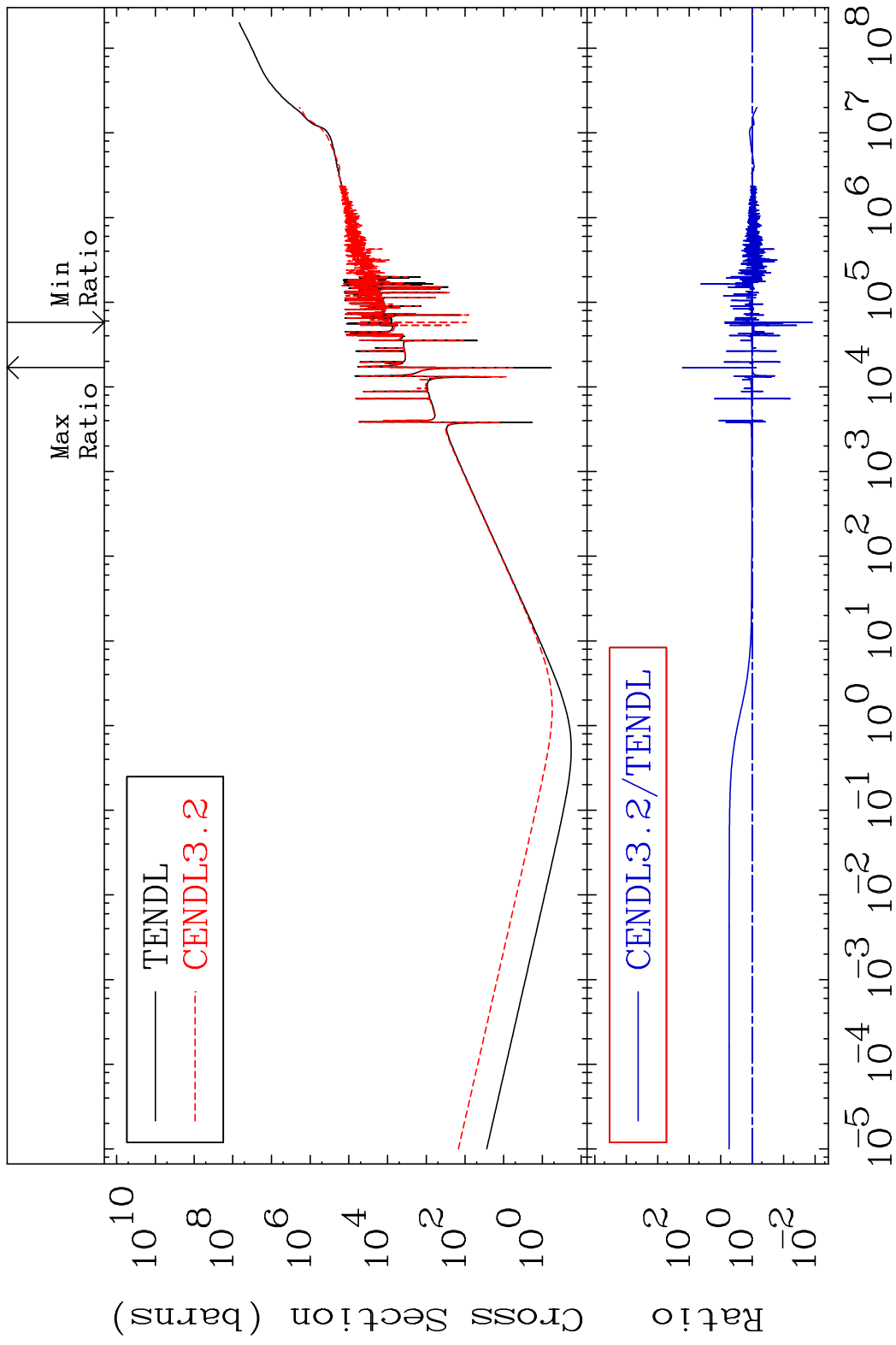
32 Incident Energy (eV) 40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90  
 Cross Section -99.96 To 9999. %

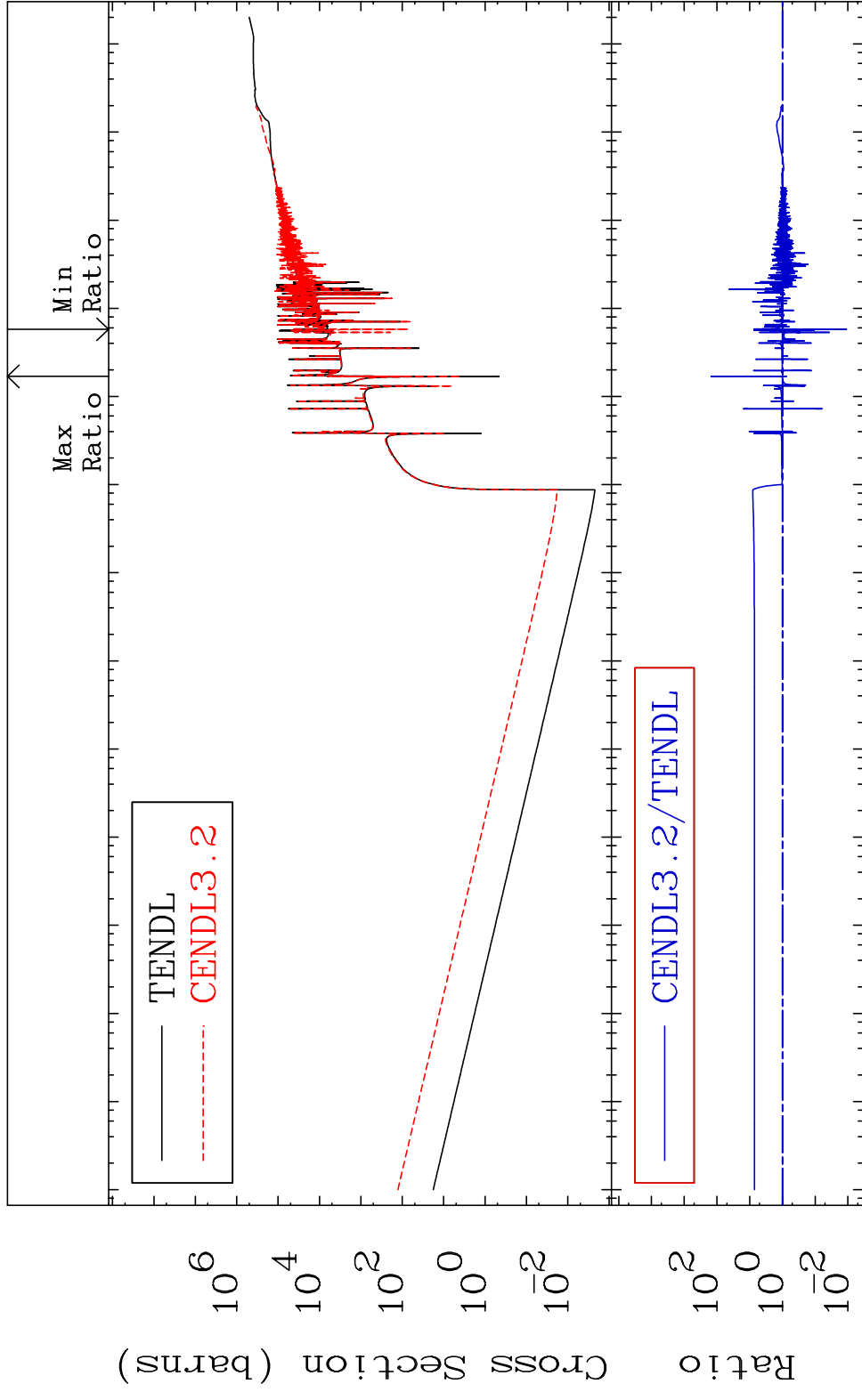


33 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90  
 Cross Section -98.79 To 9999. %



MAT 4025      Dpa total (eV-barns)      40-Zr-90  
 Cross Section      -98.88 To 9999. %



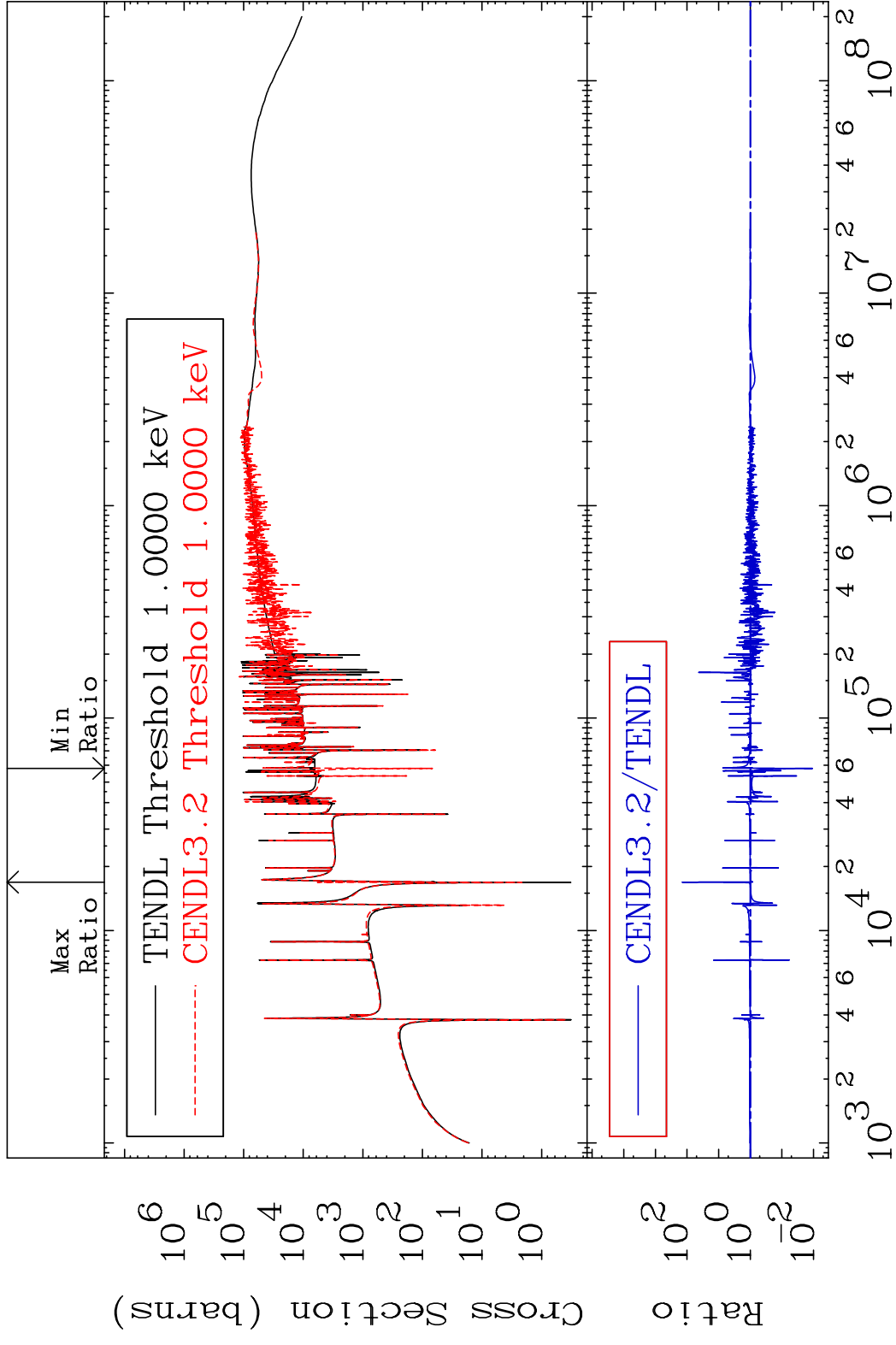
35      Incident Energy (eV)      40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -98.93 To 9999. %

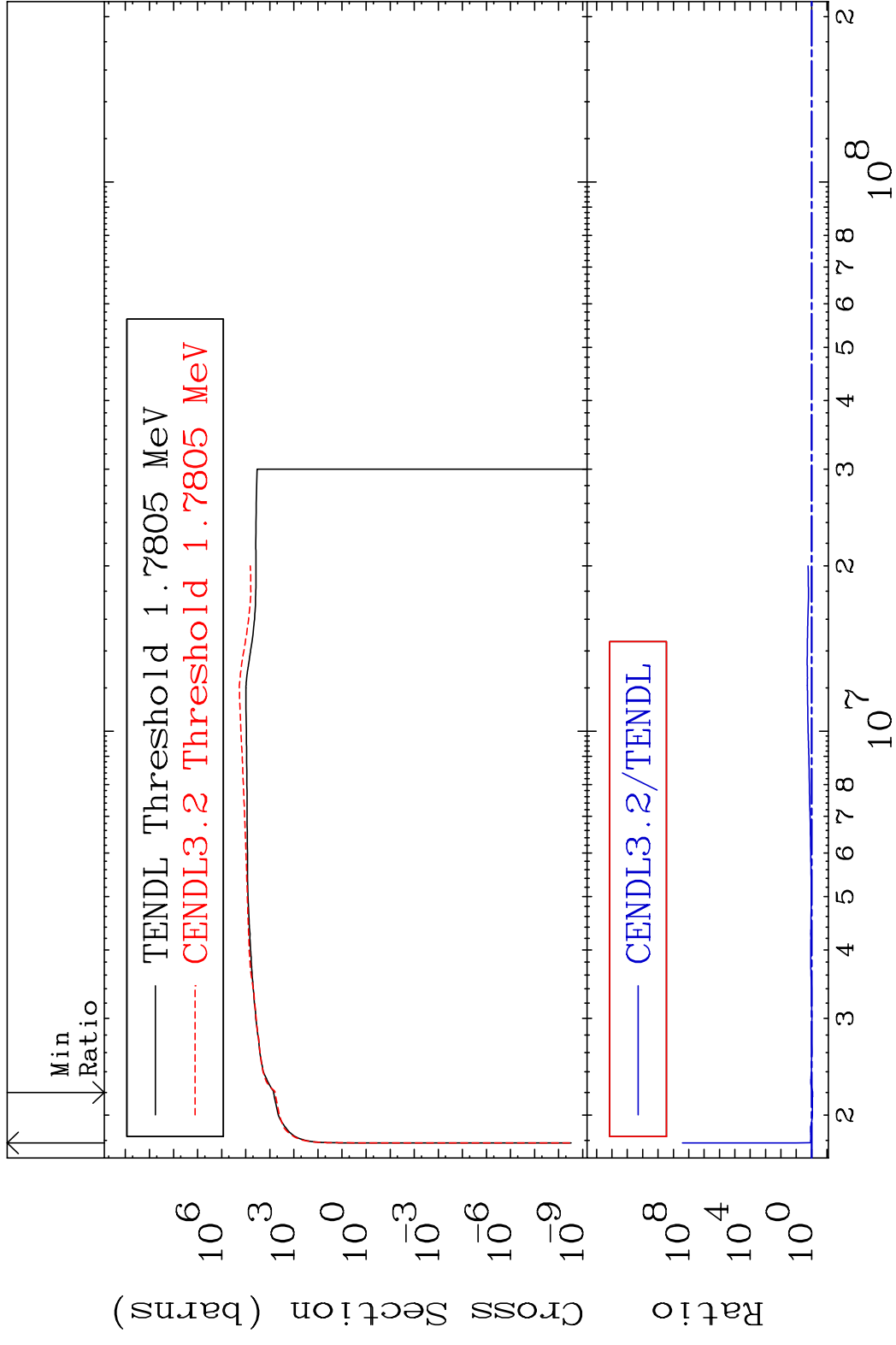


36

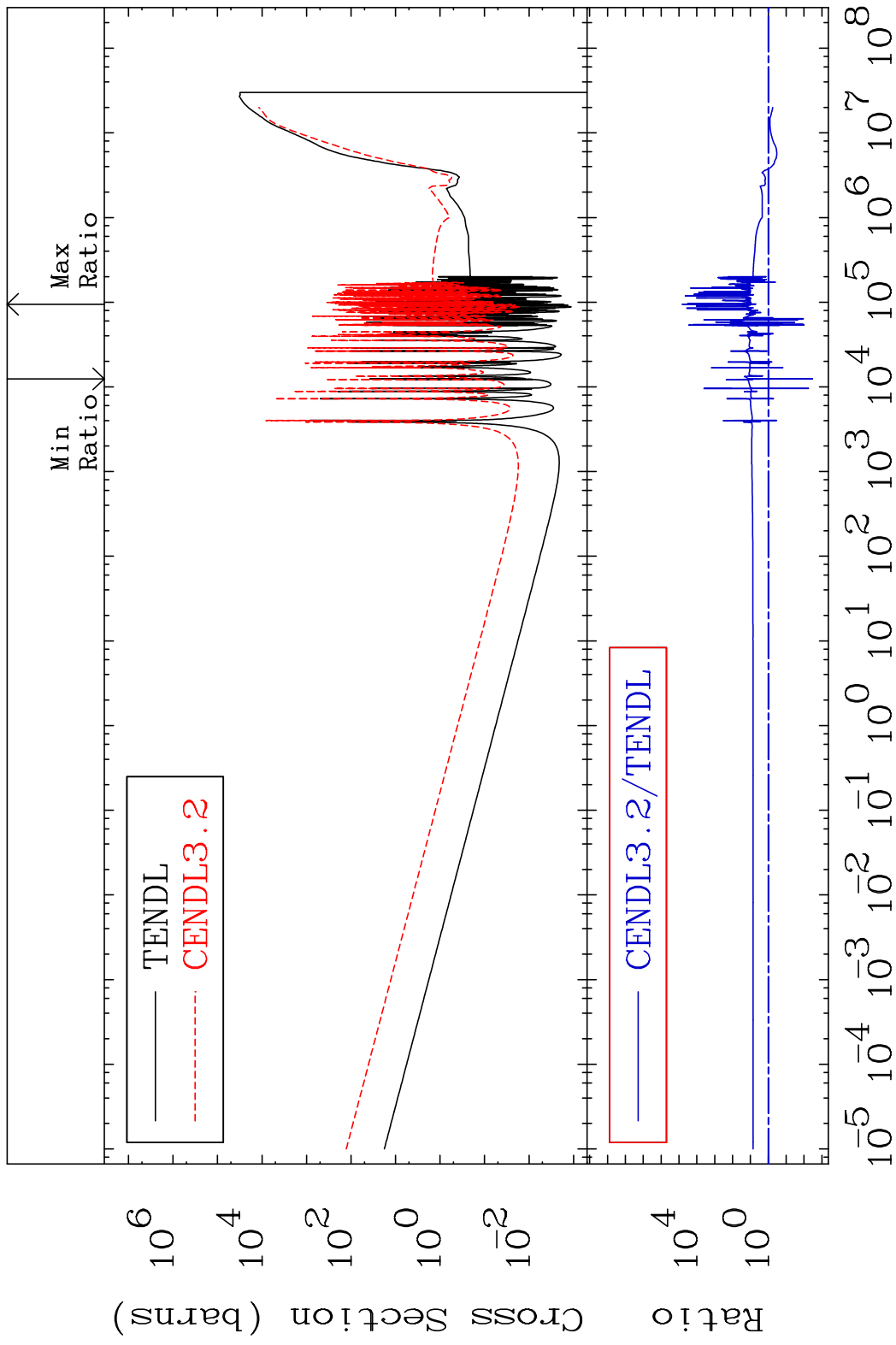
Incident Energy (eV)

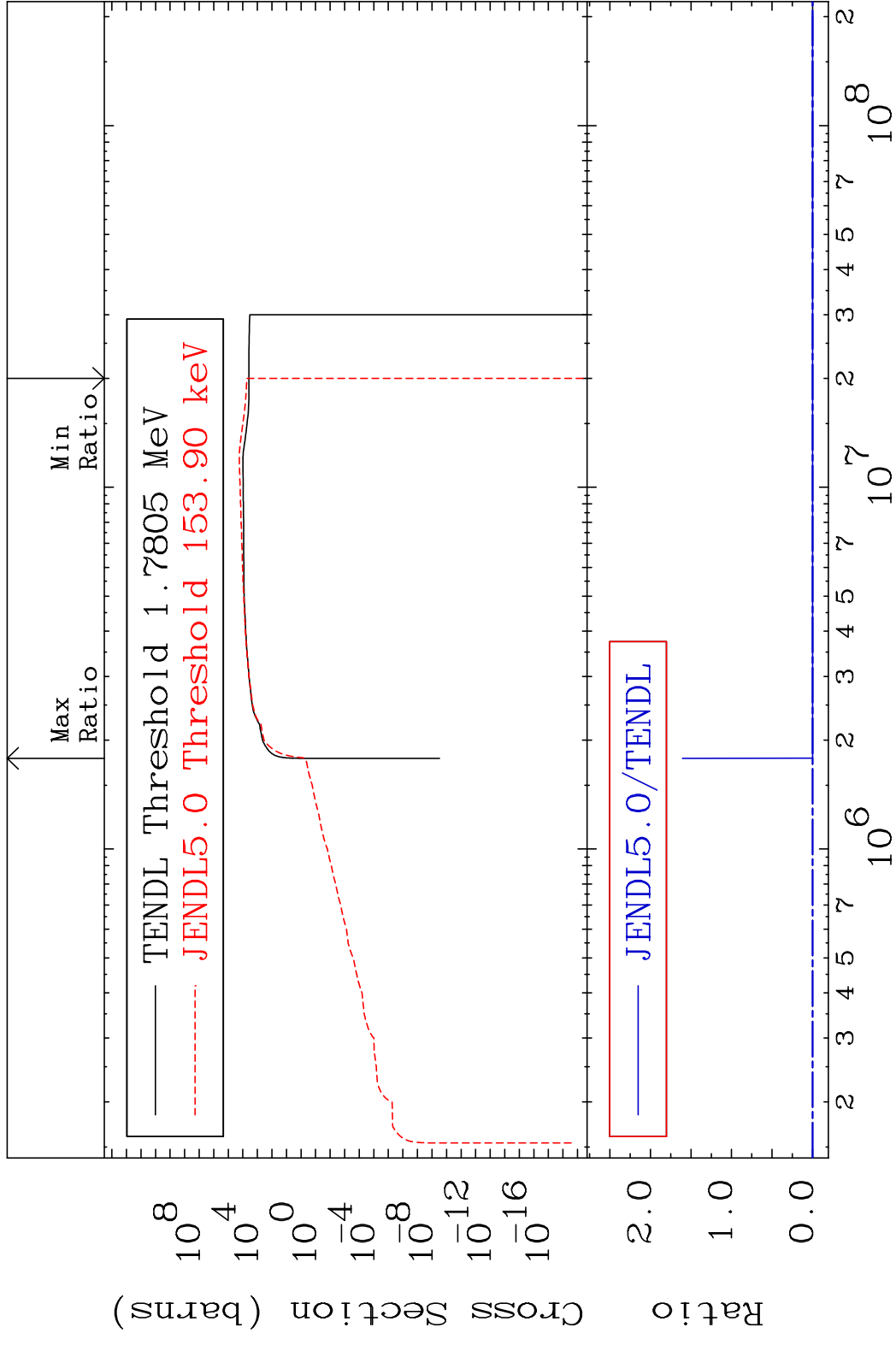
40-Zr-90

MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90  
 Cross Section -12.86 To 9999. %

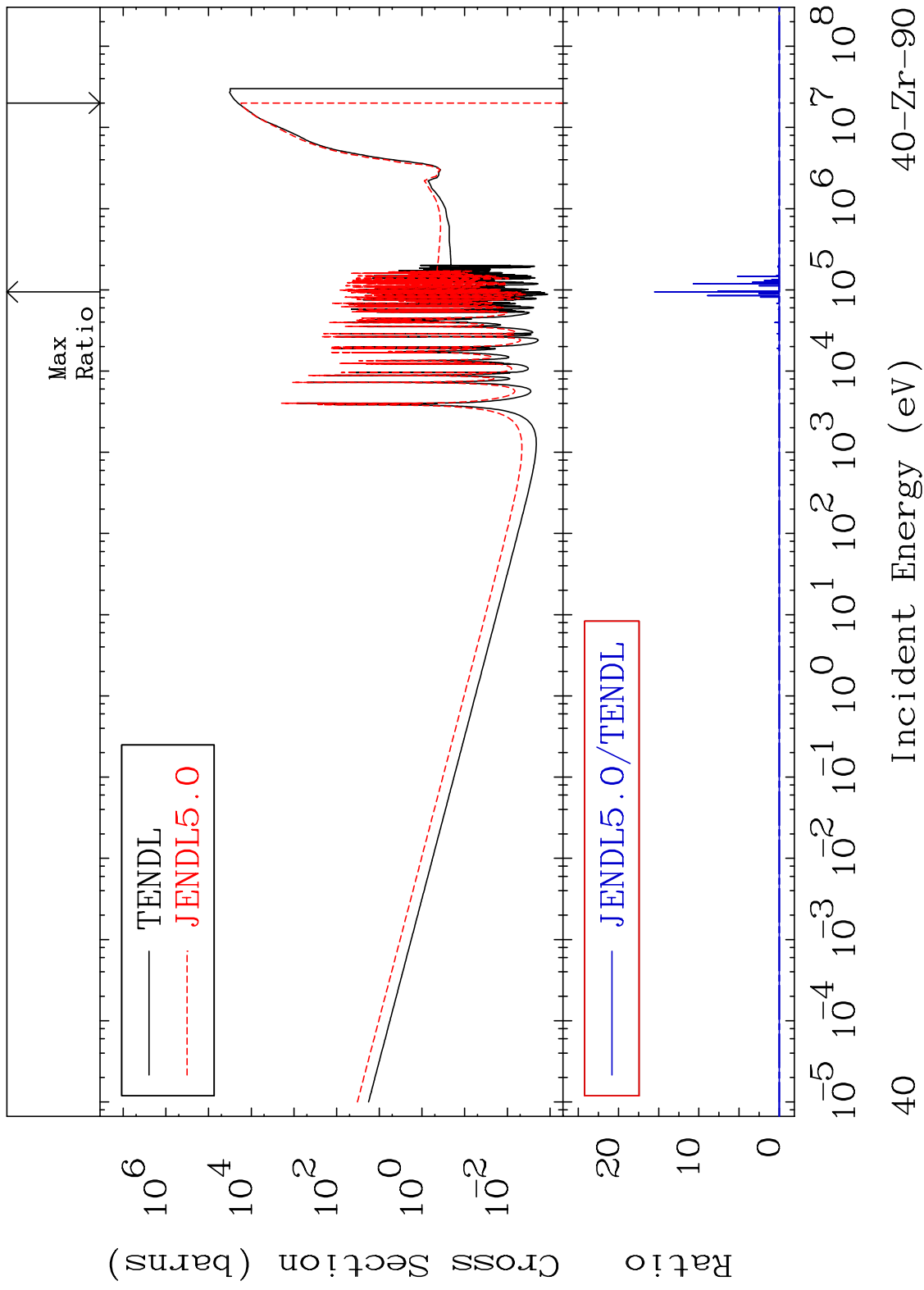


MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -99.67 To 9999. %



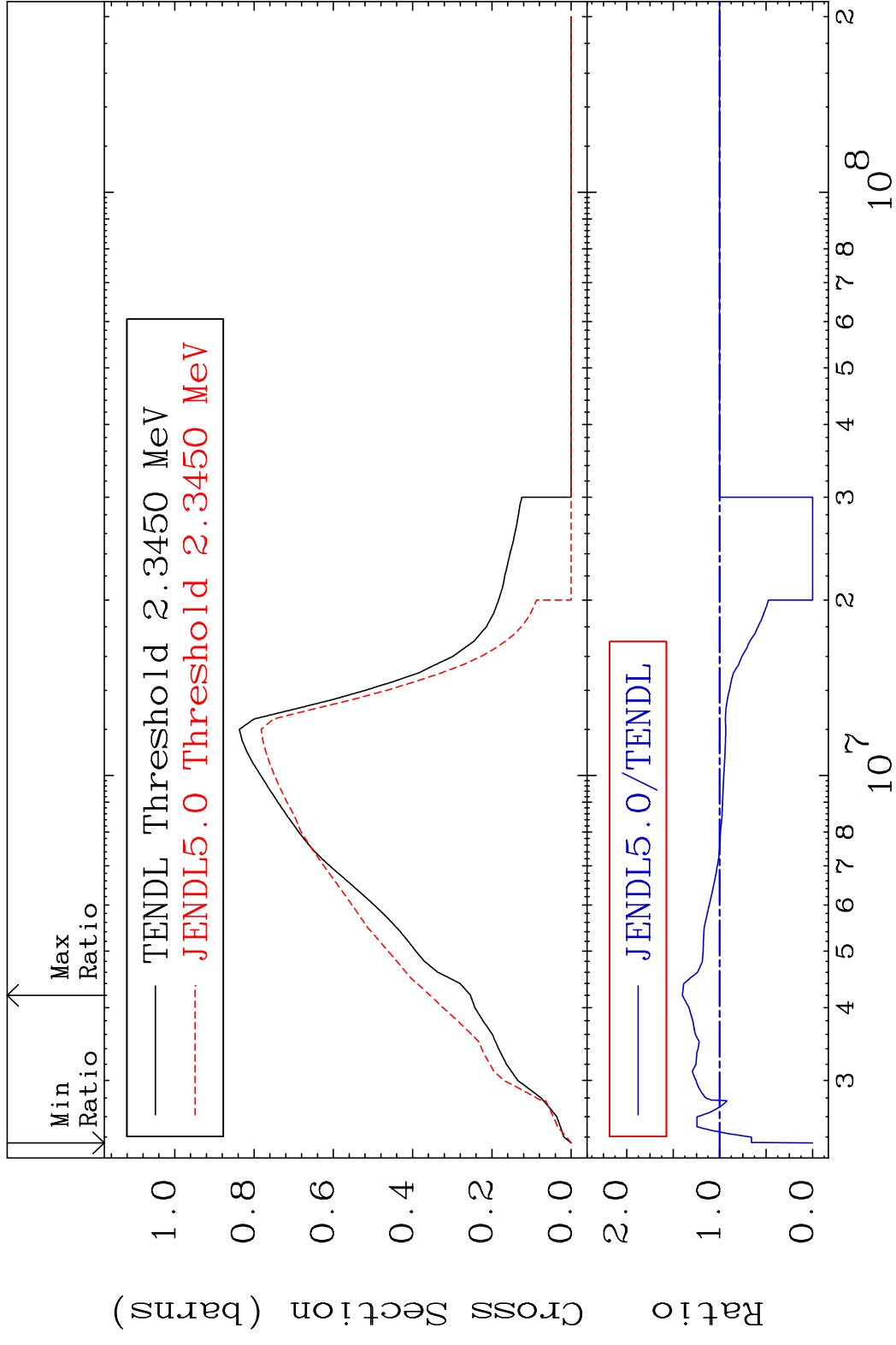


MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -100.0 To 9999. %

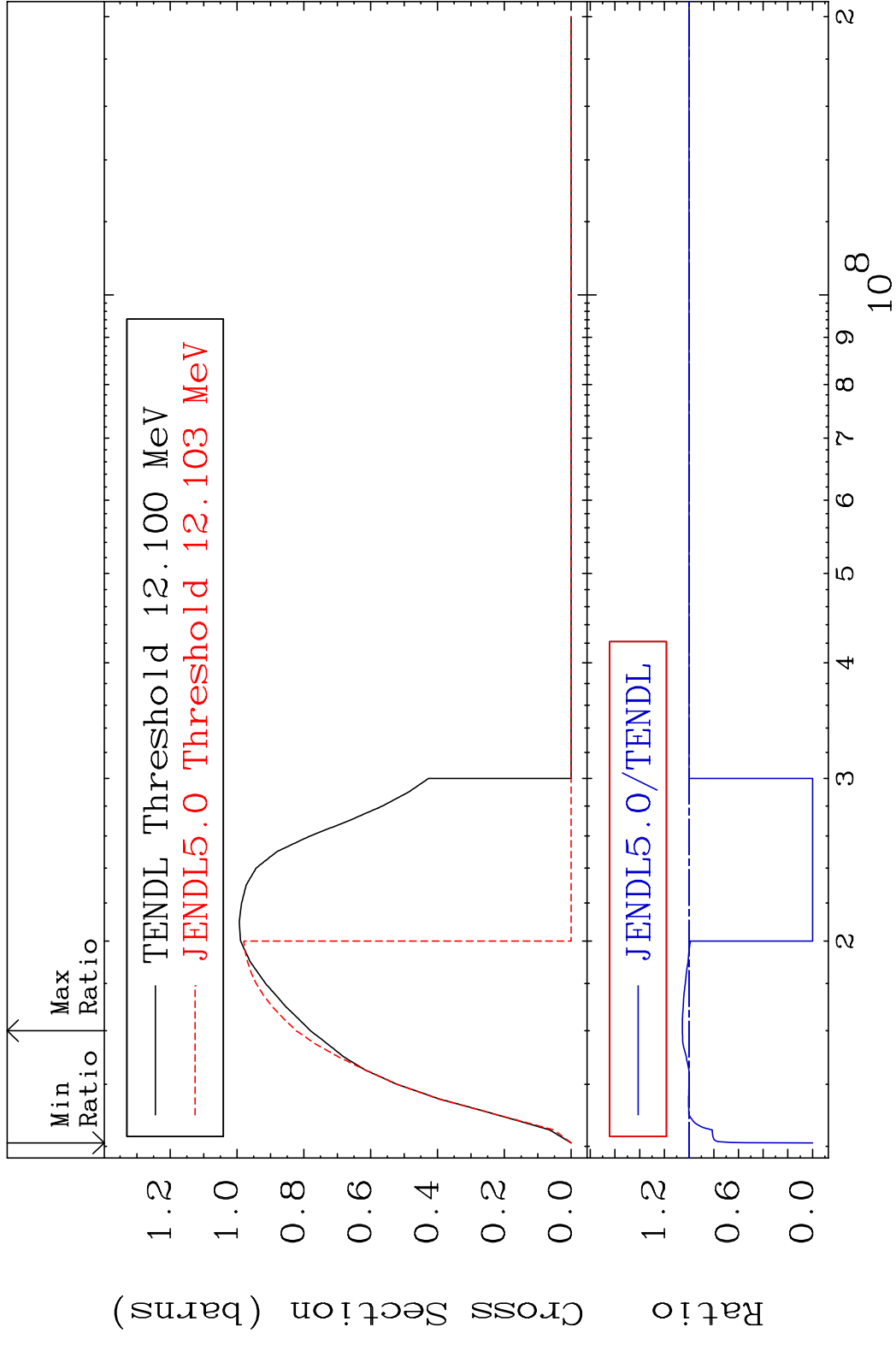


40 Incident Energy (eV) 40-Zr-90

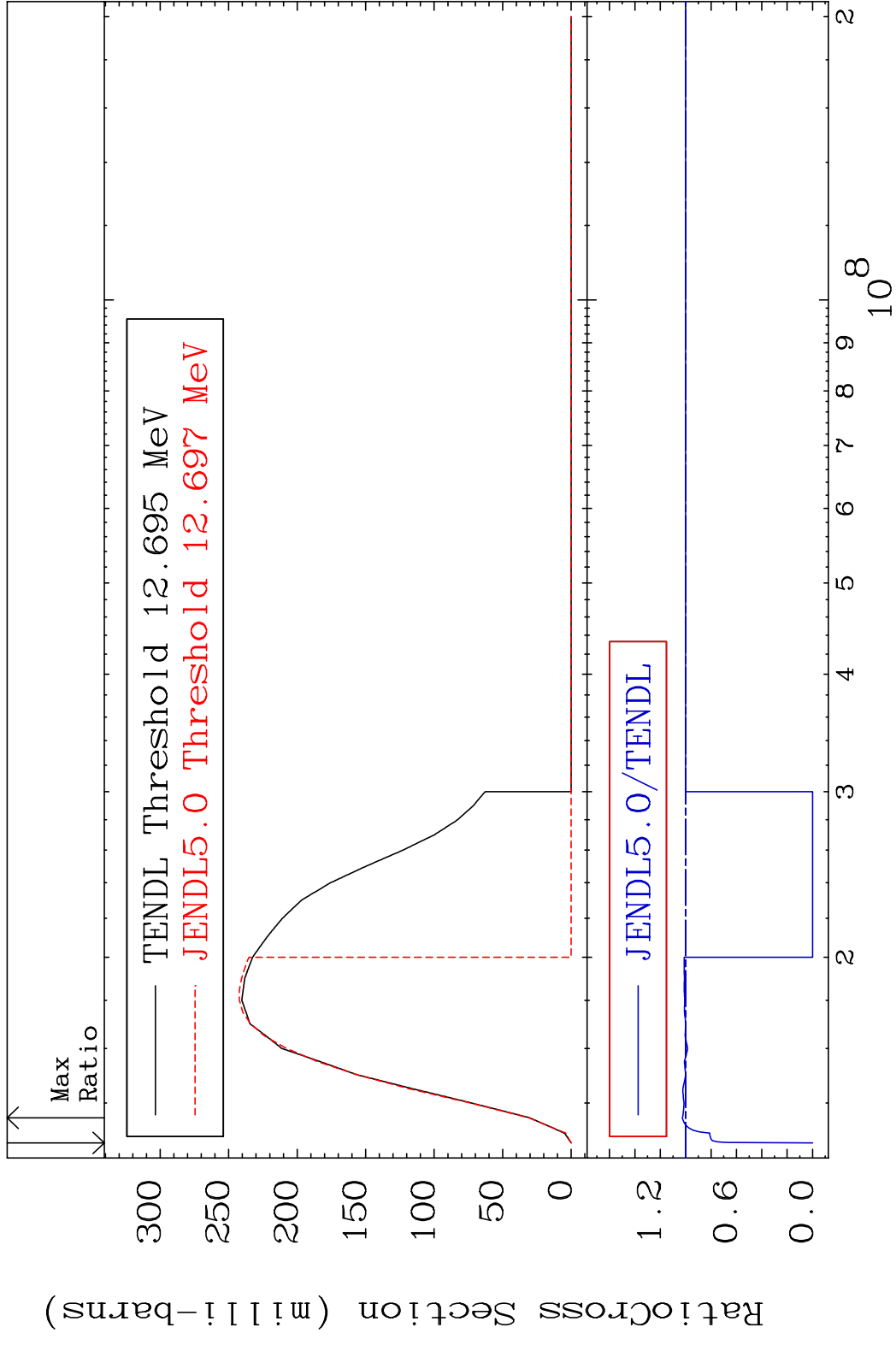
MAT 4025 Inelastic: 40-Zr-90m3 40-Zr-90  
 Radionuclide Production Cross Section 180.01 d10 40.14 %



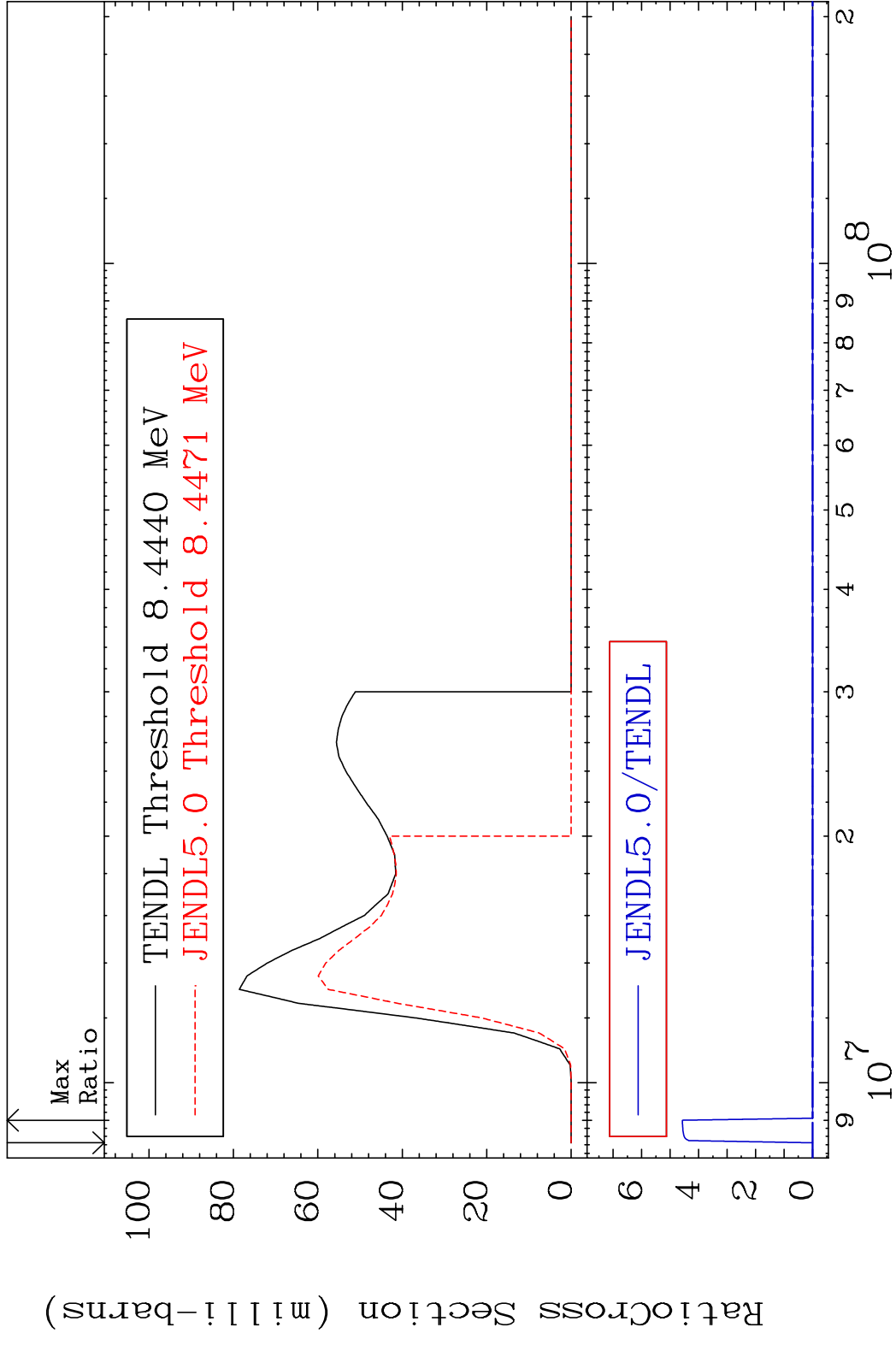
MAT 4025 (n,2n):40-Zr-89g 40-Zr-90  
 Radionuclide Production Cross Section 180.01 dth 5.440 %



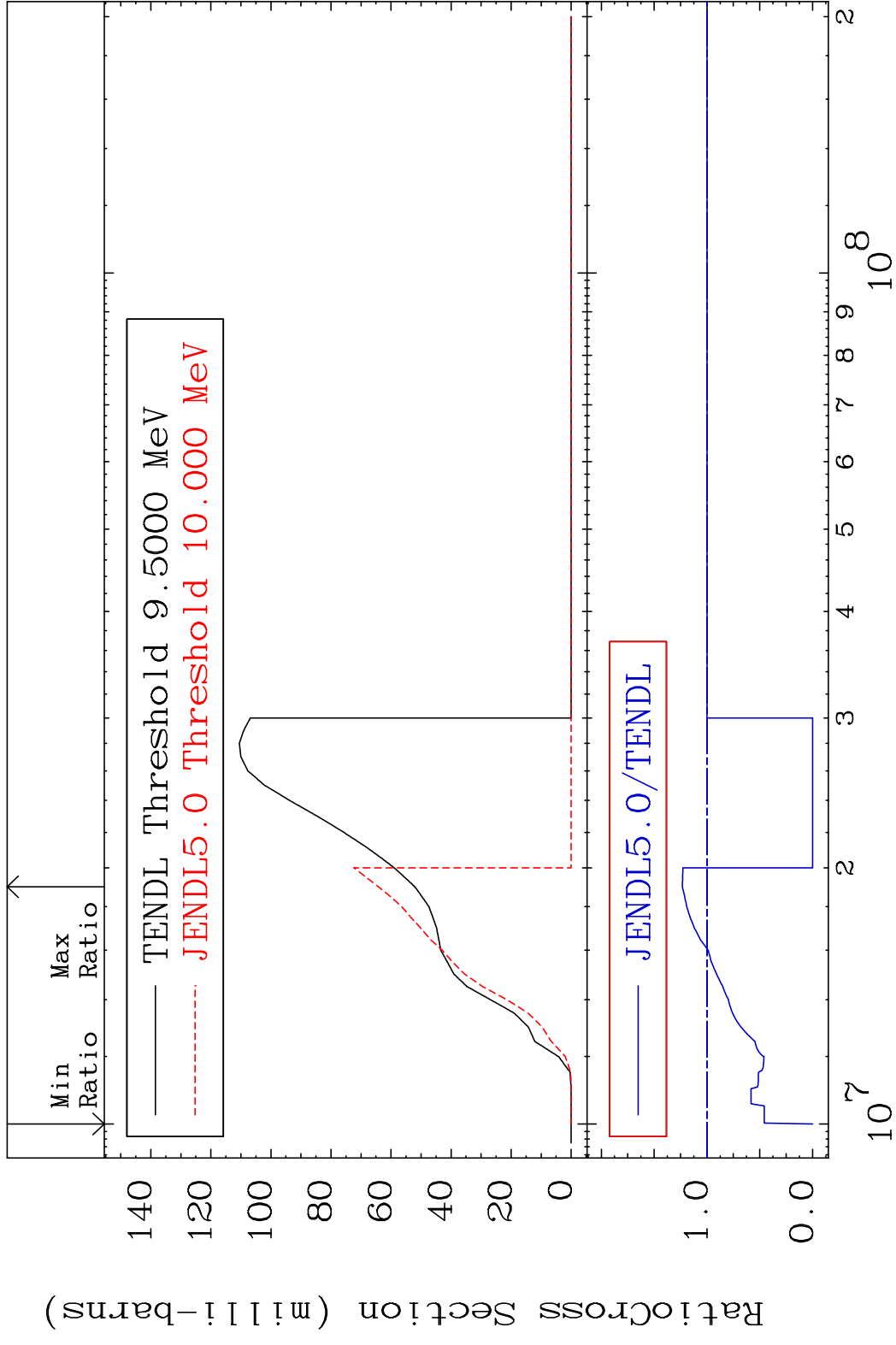
MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 2.587 %



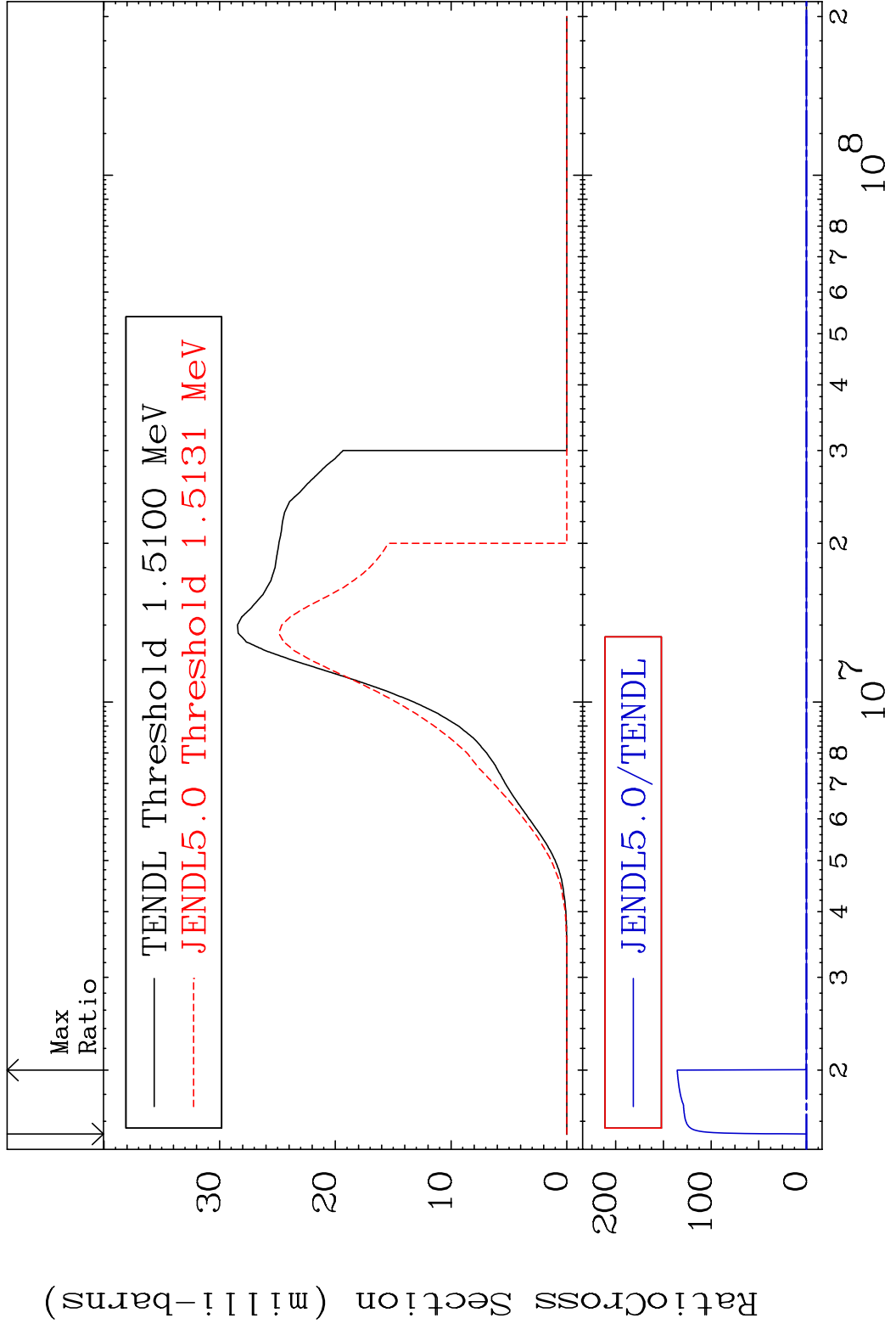
MAT 4025 (n, n') p:39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section 100.00 to 9999.00 %



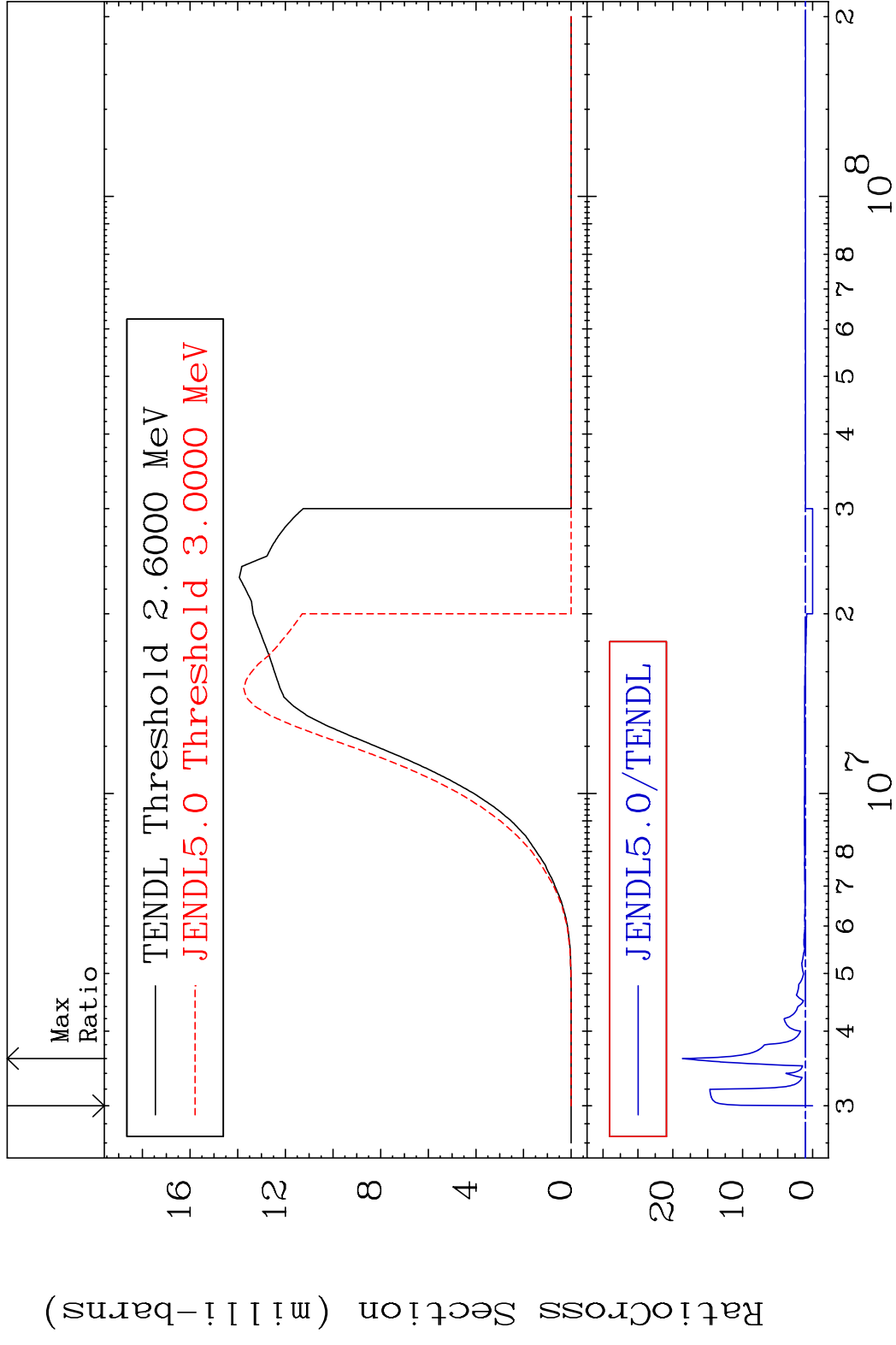
MAT 4025 (n, n') p:39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 23.28 %



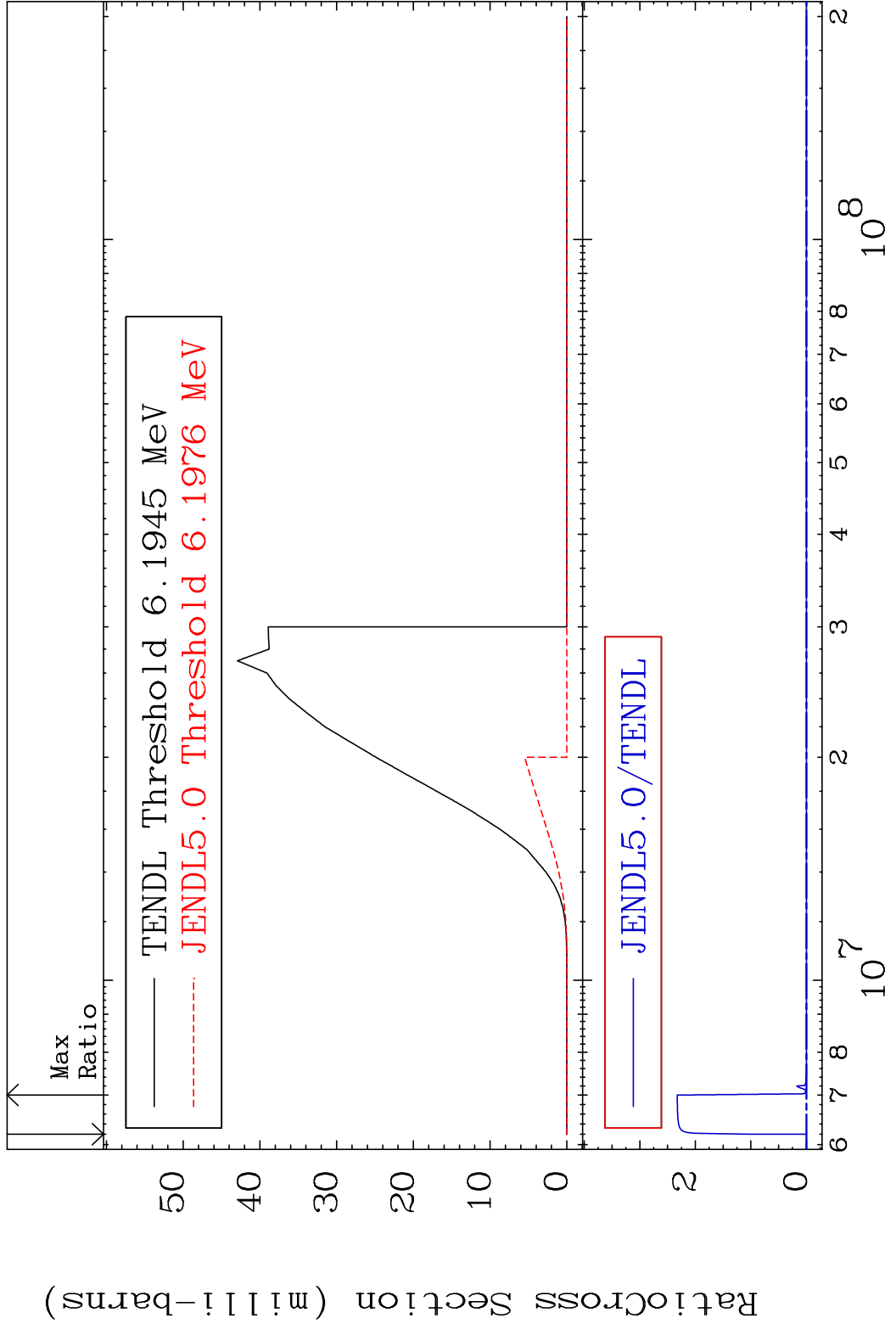
MAT 4025 (n,p):39-Y -90g 40-Zr-90  
 Radionuclide Production Cross Section to 9999. %



MAT 4025 (n,p):39-Y -90m2 40-Zr-90  
 Radionuclide Production Cross Section 180.0 mb 1764. %

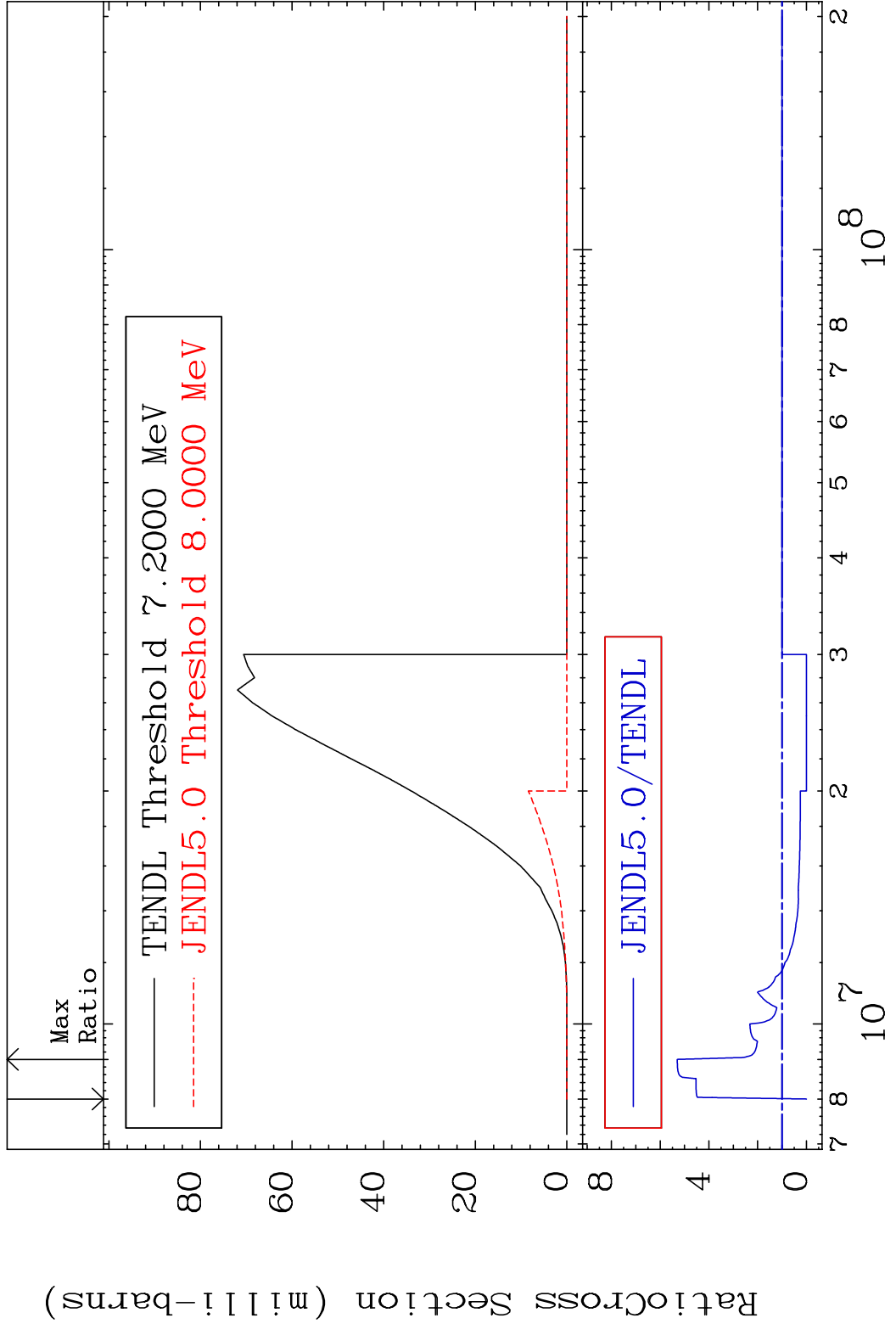


MAT 4025 (n,d):39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %



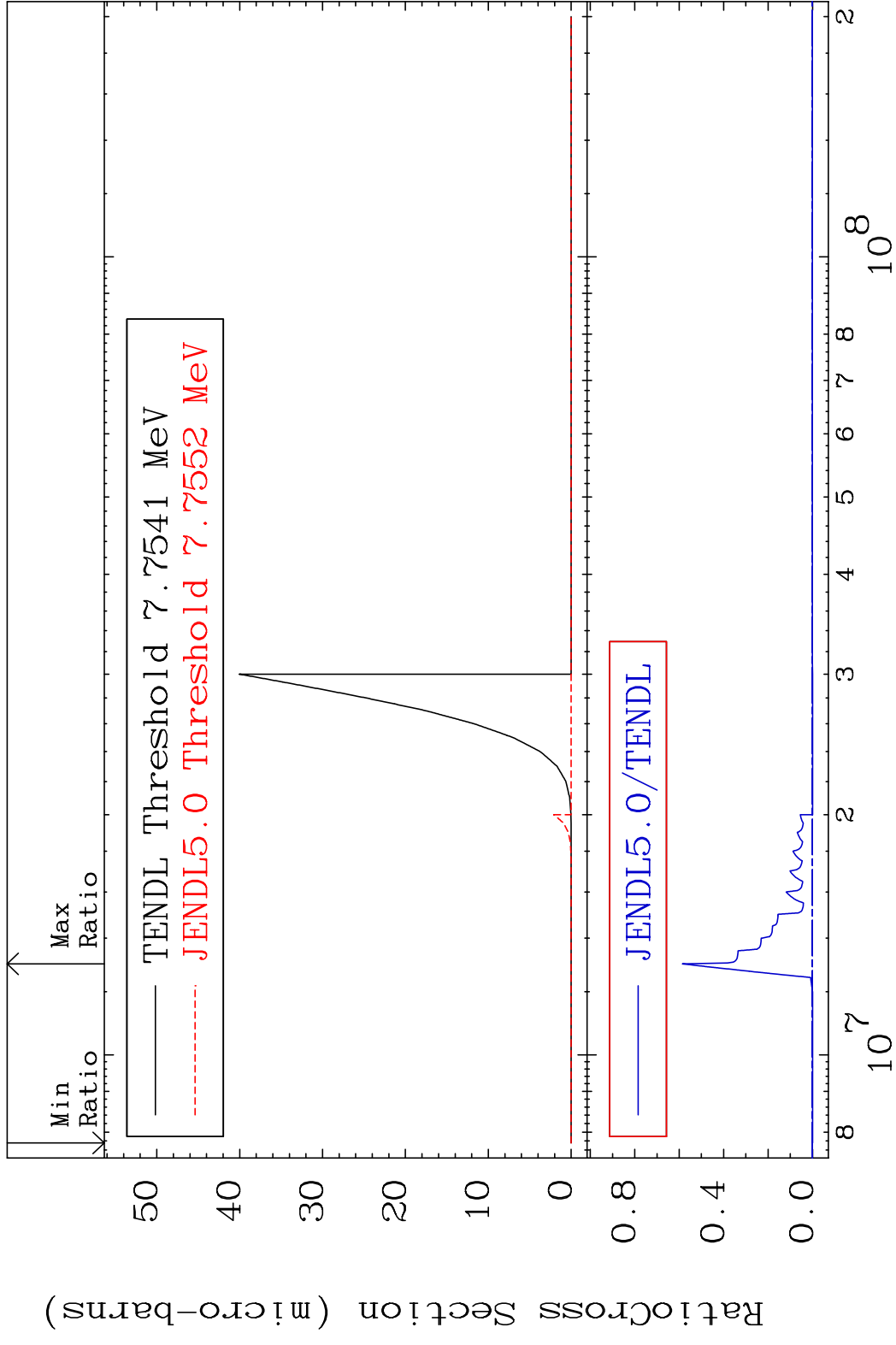
48 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,d):39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section 180.01 dth 430.2 %



49 80 60 40 20 0 8 4 0 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

MAT 4025 (n,p)  $\alpha$ :37-Rb-86g 40-Zr-90  
 Radionuclide Production Cross Section 18000000 9999. %



50 Incident Energy (eV) 40-Zr-90

