

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

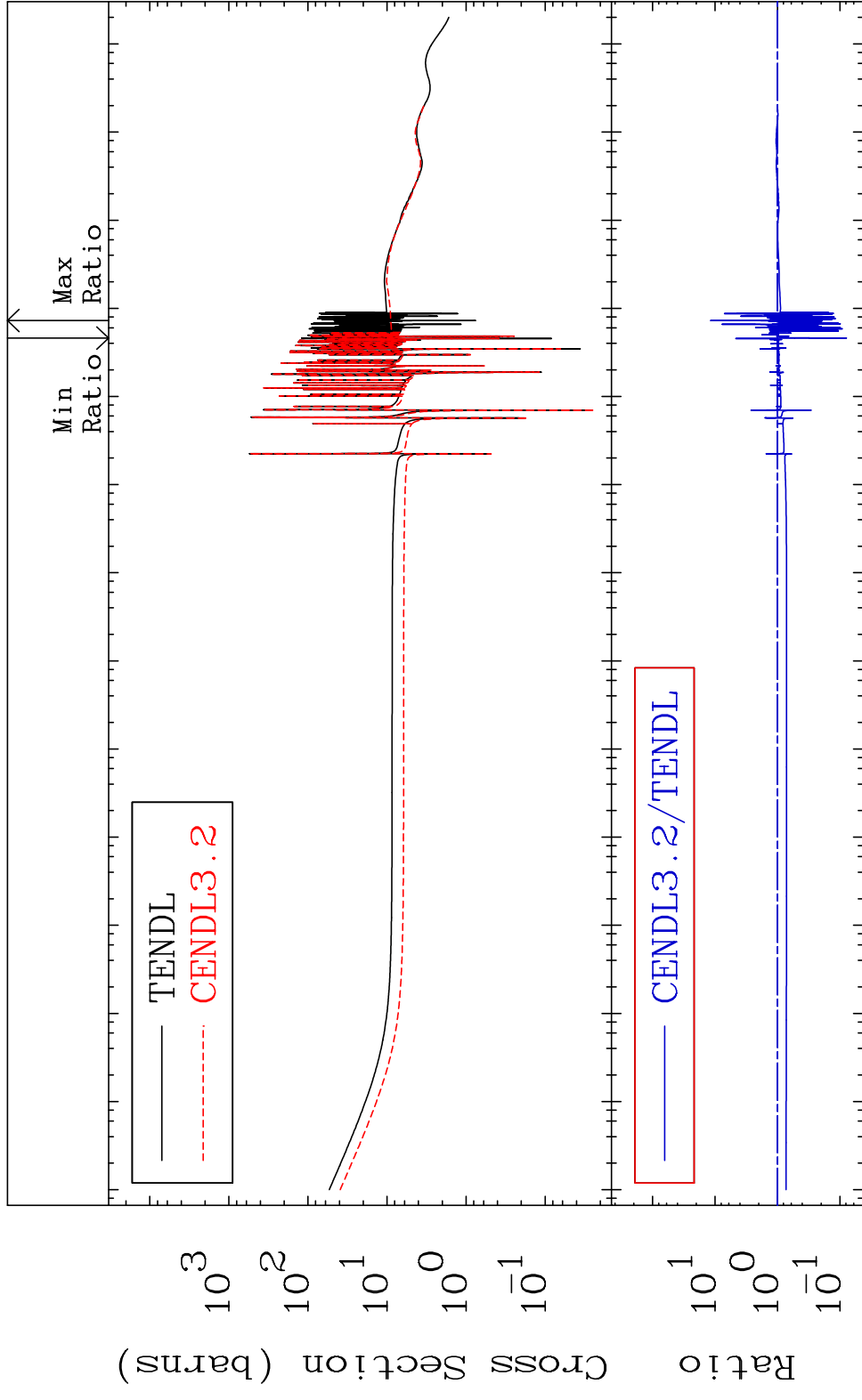
MAT 4037

Total

40-Zr-94

Cross Section

-92.12 To 1074. %



1

Incident Energy (eV)

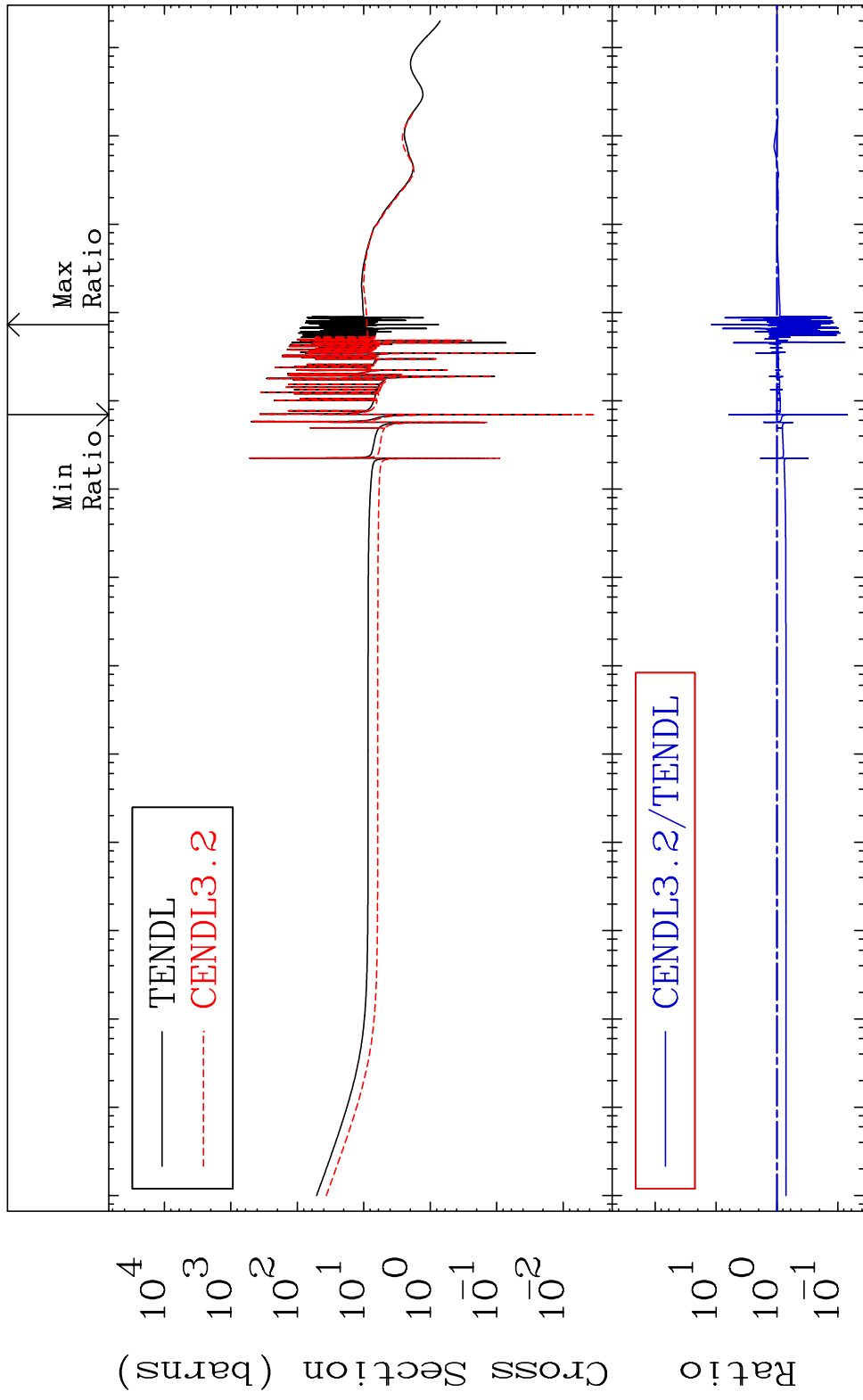
40-Zr-94

MAT 4037

Elastic

40-Zr-94

Cross Section -92.98 To 1088. %



2

Incident Energy (eV)

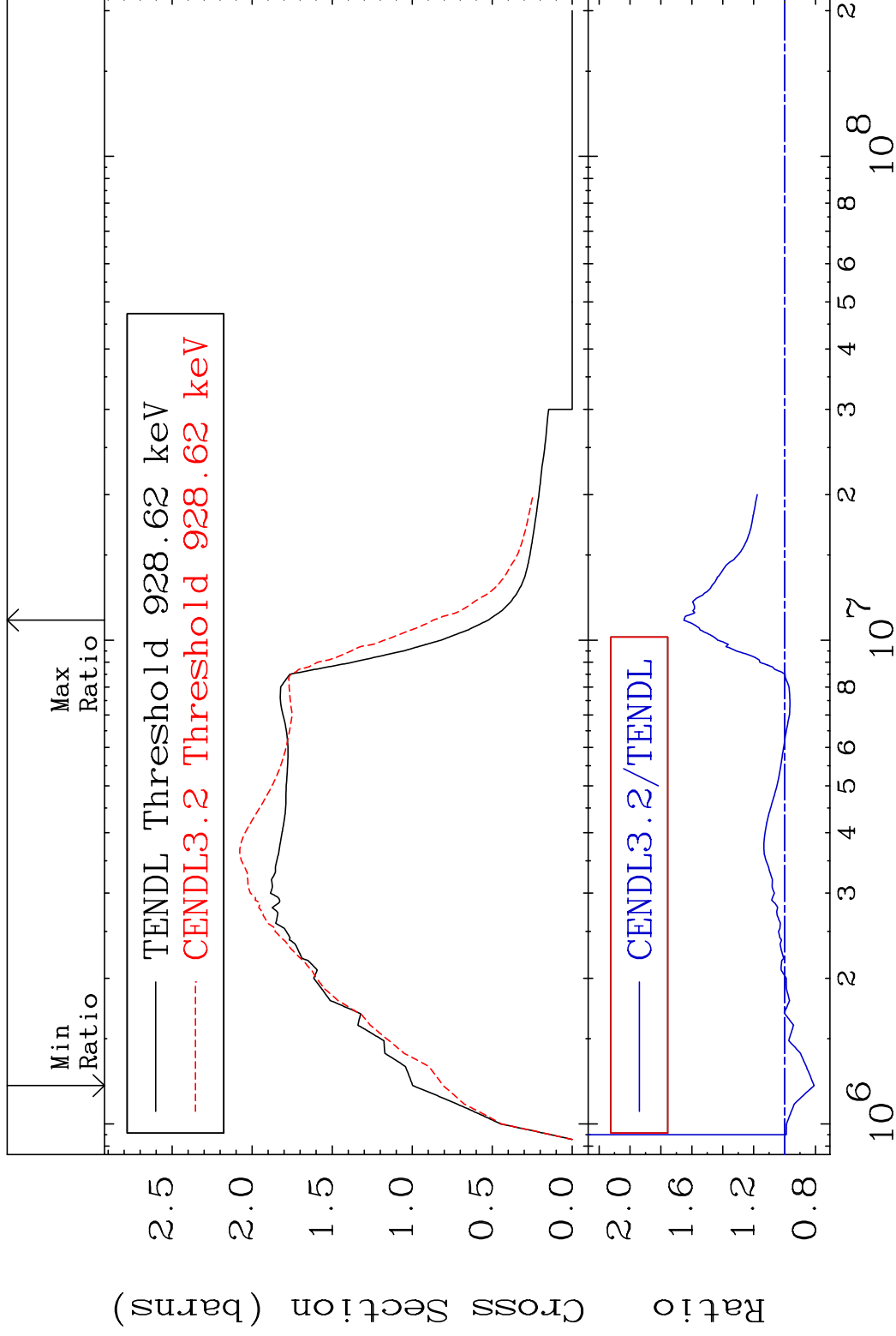
40-Zr-94

MAT 4037

Inelastic

40-Zr-94

Cross Section -19.09 To 65.30 %



3

Incident Energy (eV)

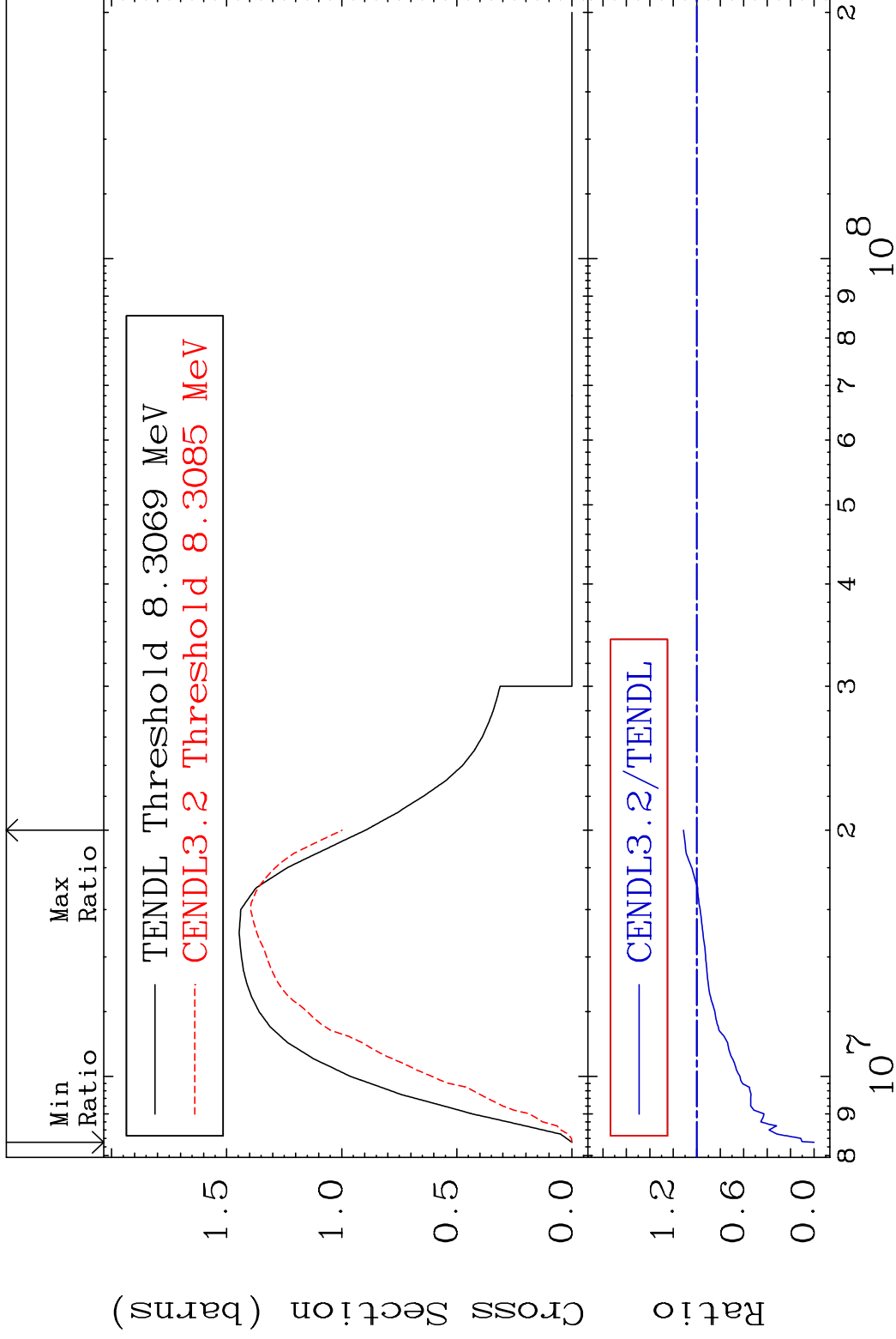
40-Zr-94

MAT 4037

(n,2n)

40-Zr-94

Cross Section -100.0 To 11.33 %



4

Incident Energy (eV)

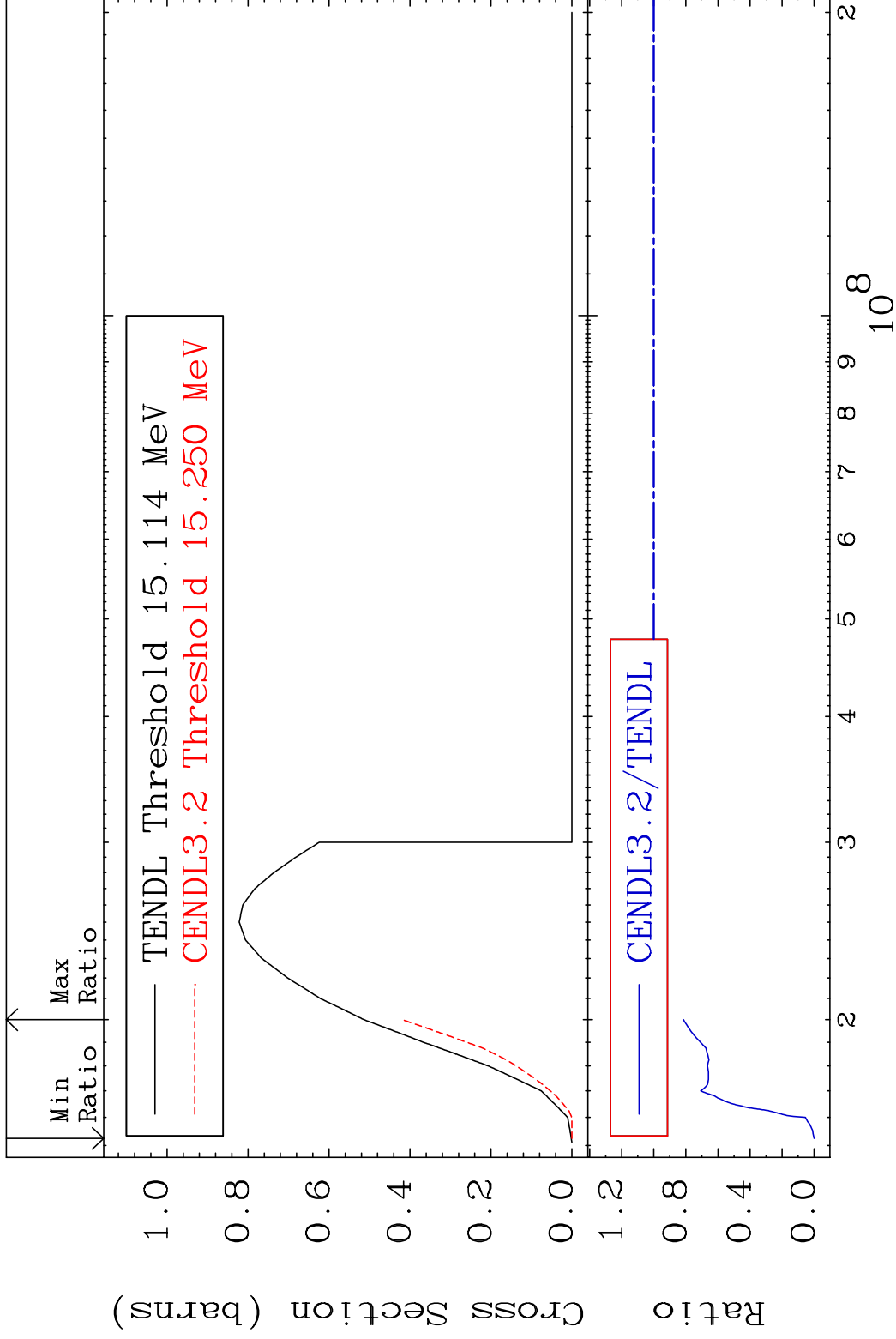
40-Zr-94

MAT 4037

(n,3n)

40-Zr-94

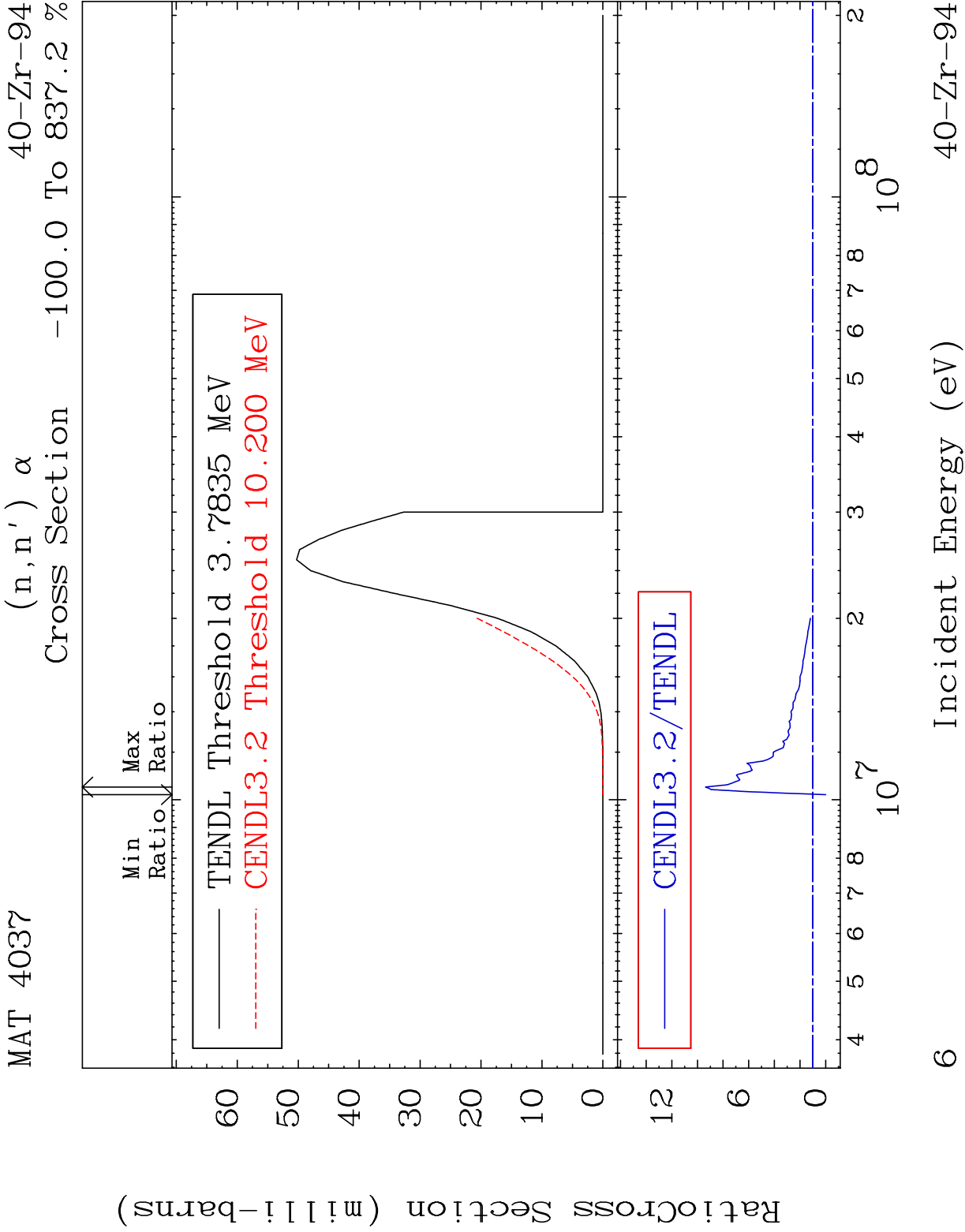
Cross Section -100.0 To -18.49%



5

Incident Energy (eV)

40-Zr-94

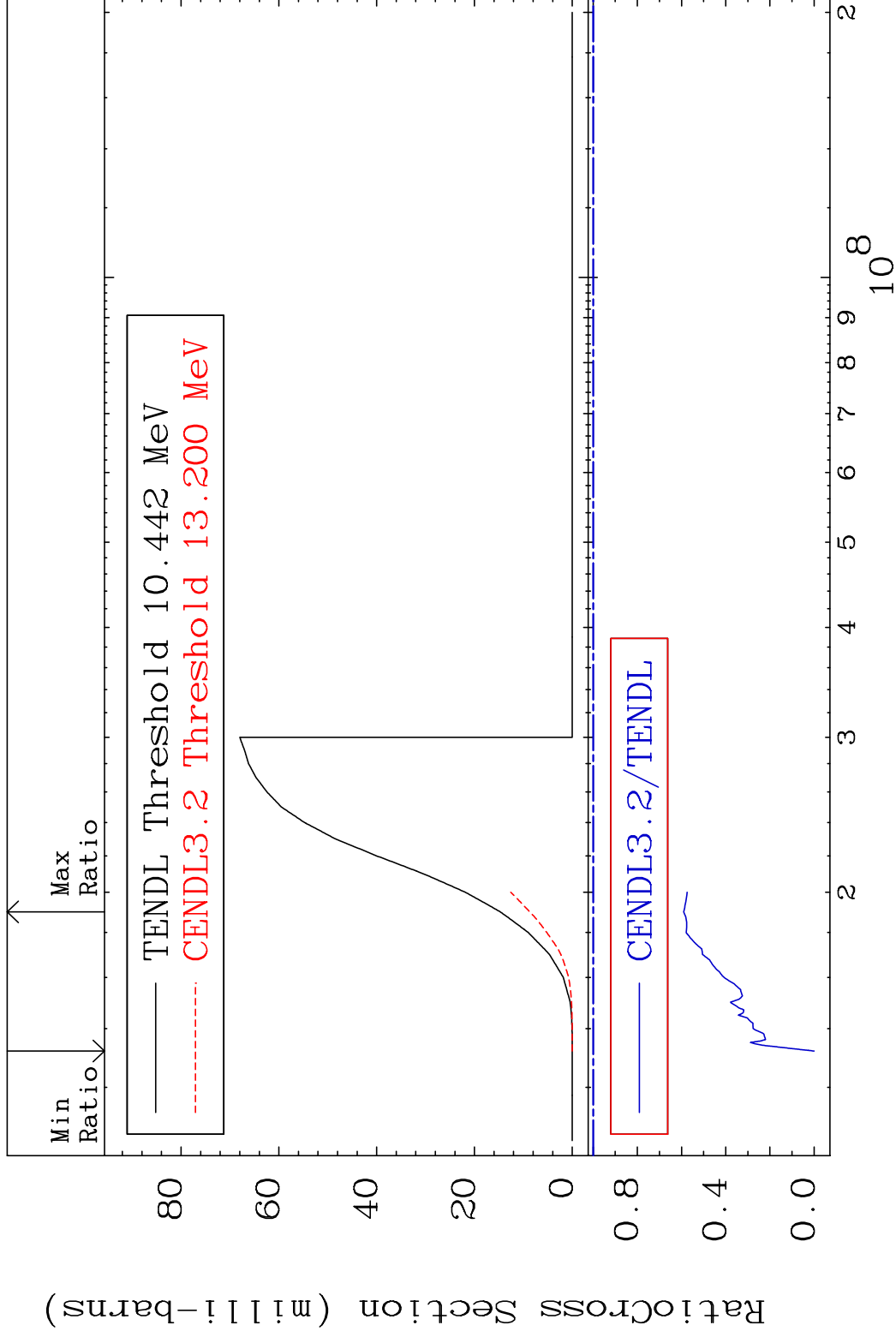


MAT 4037

(n, n') p

40-Zr-94

Cross Section -100.0 To -40.96%



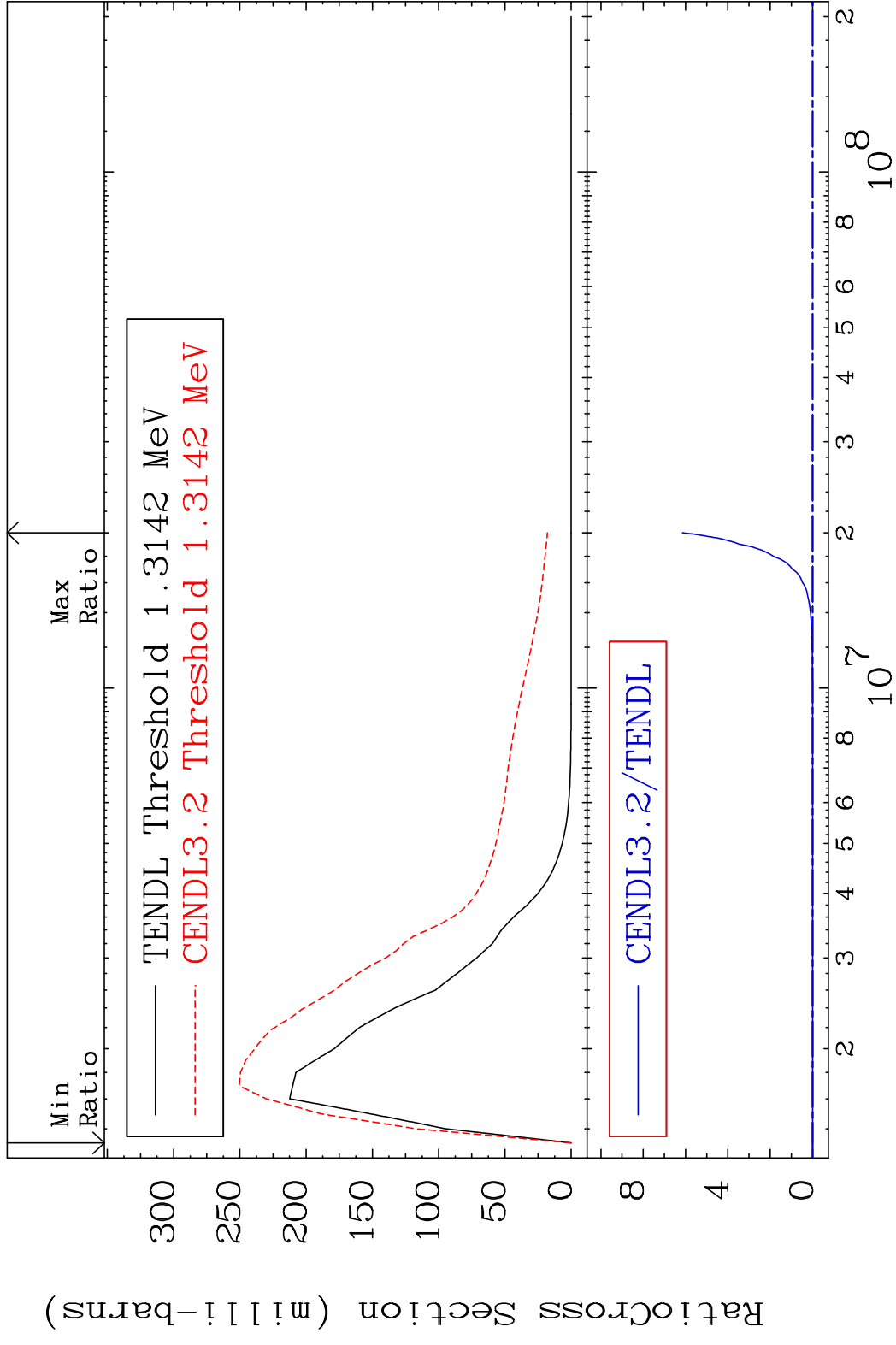
7

Incident Energy (eV)

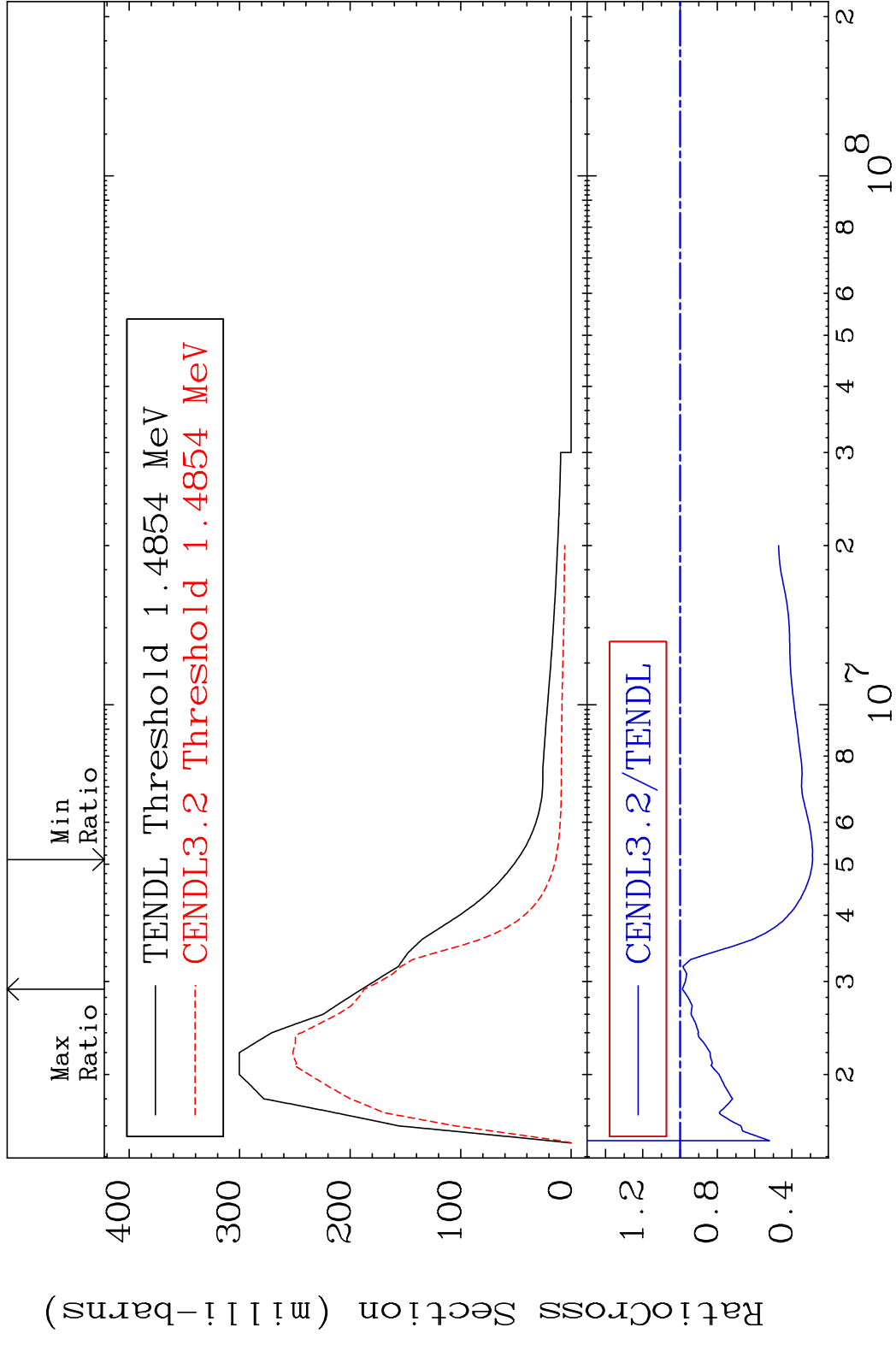
40-Zr-94



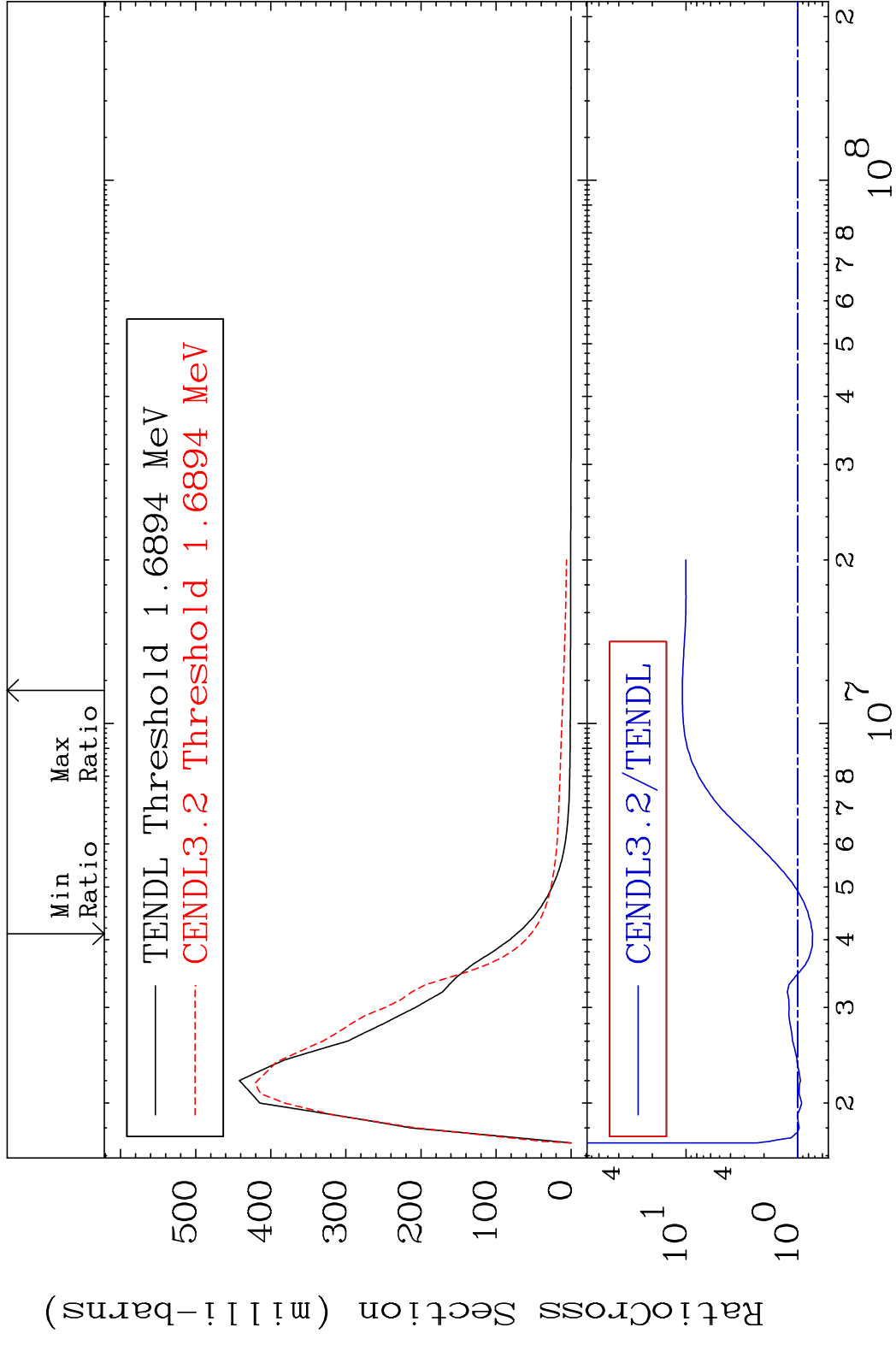
MAT 4037 MT= 52 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 9999. %



MAT 4037 MT= 53 (n, n') Level 40-Zr-94  
 Cross Section -71.04 To -1.214%

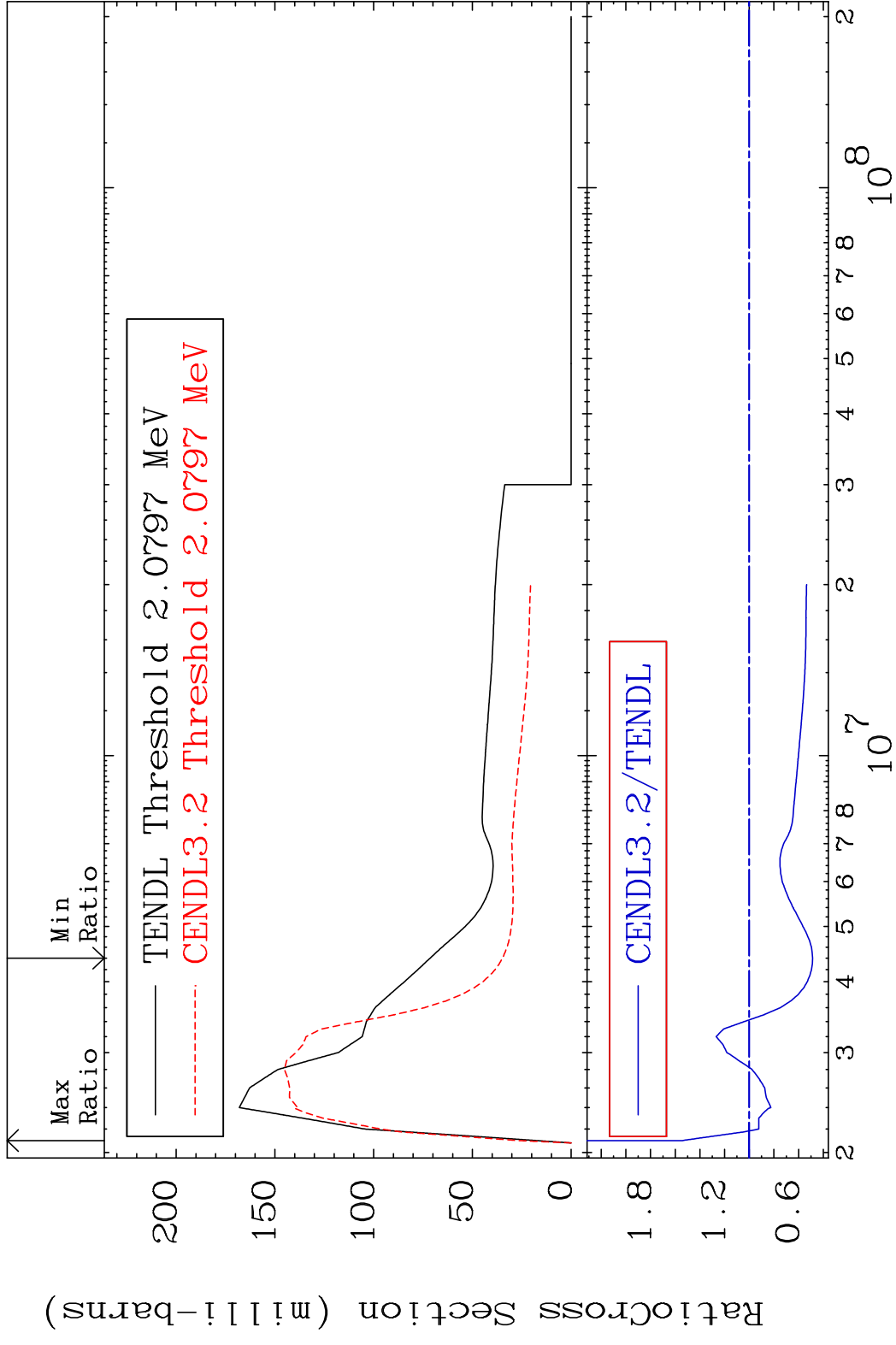


MAT 4037 MT= 54 (n, n') Level 40-Zr-94  
 Cross Section -26.38 To 977.4 %

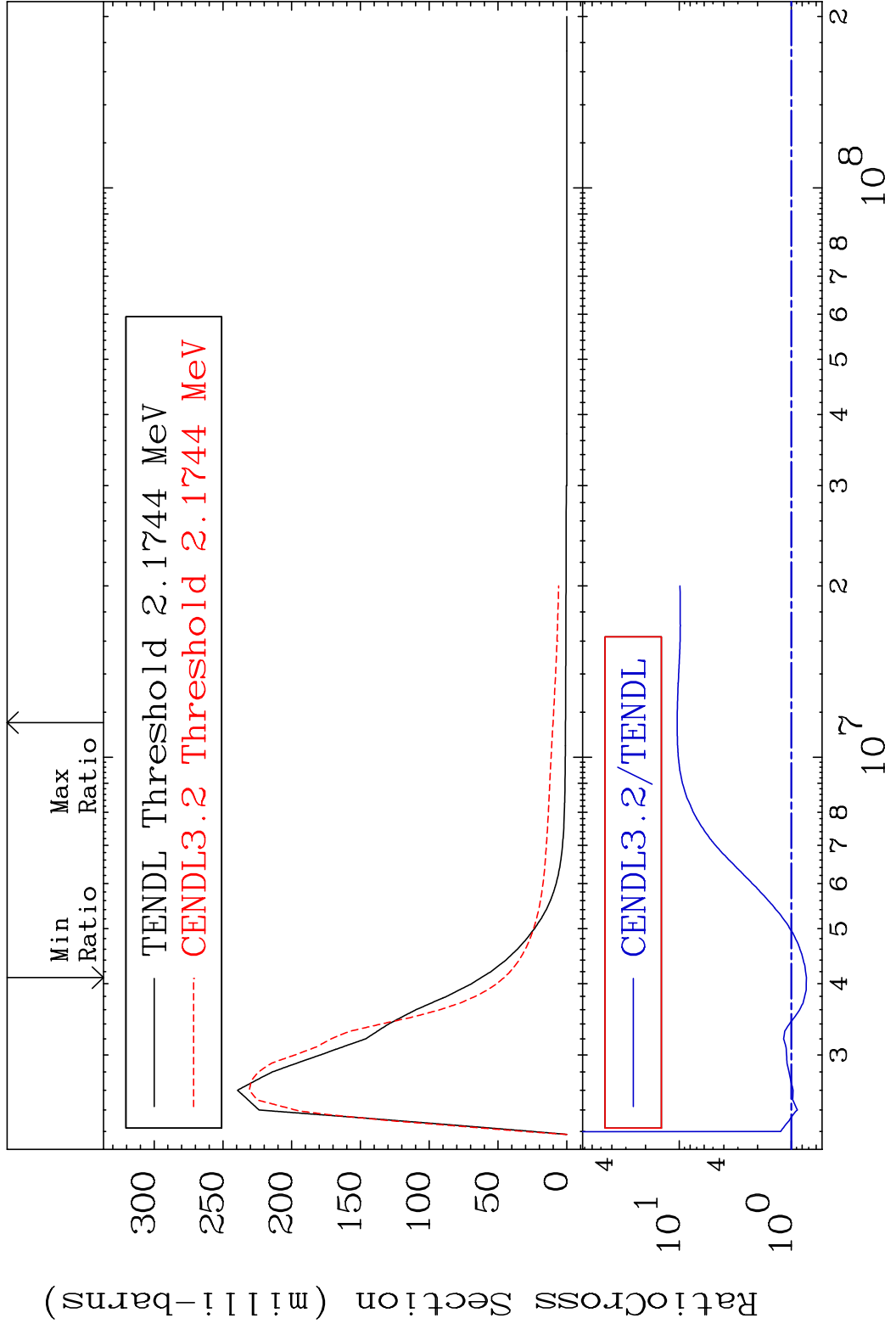


11 Incident Energy (eV) 40-Zr-94

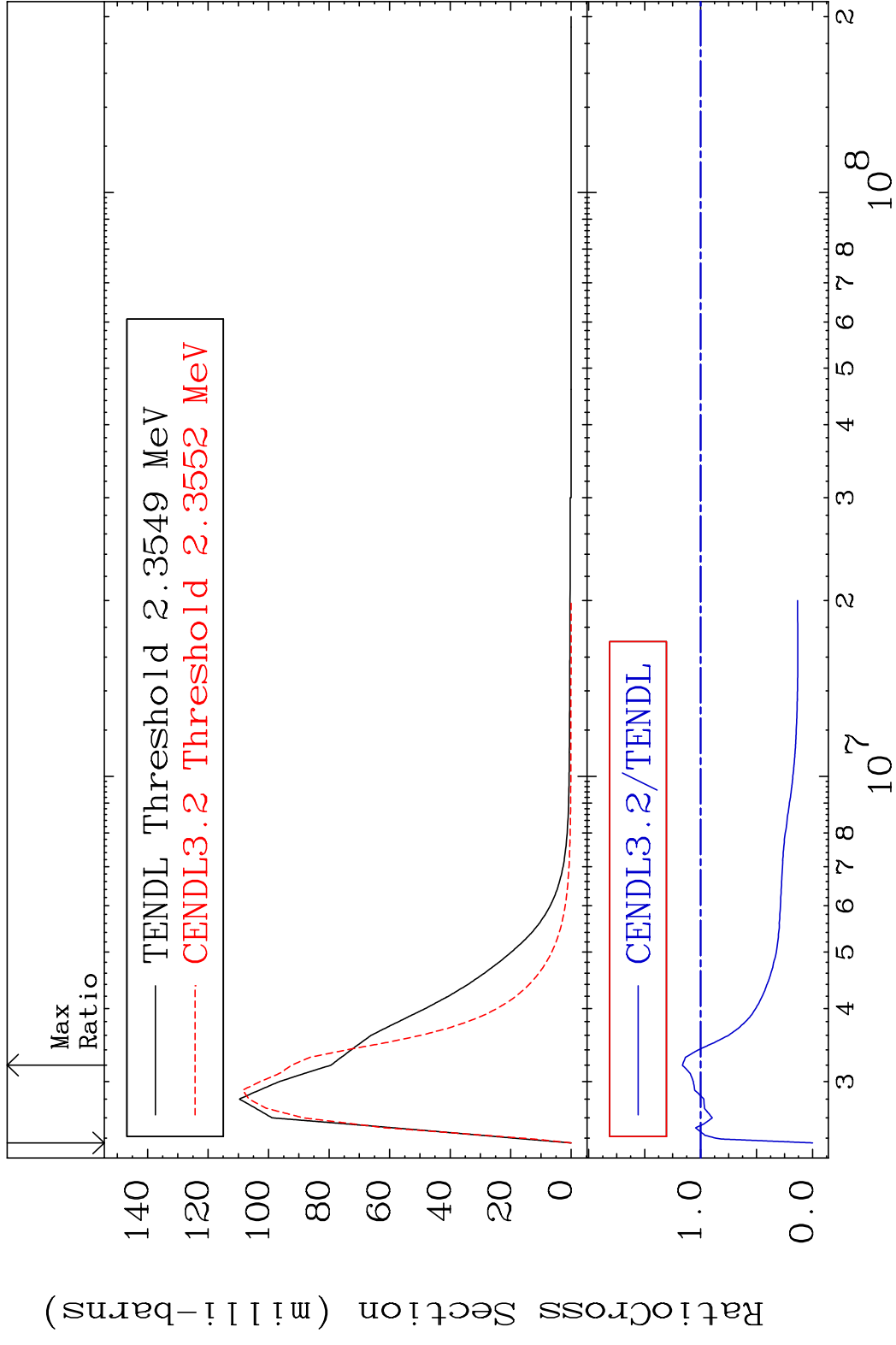
MAT 4037 MT= 55 (n, n') Level 40-Zr-94  
 Cross Section -51.29 To 54.23 %



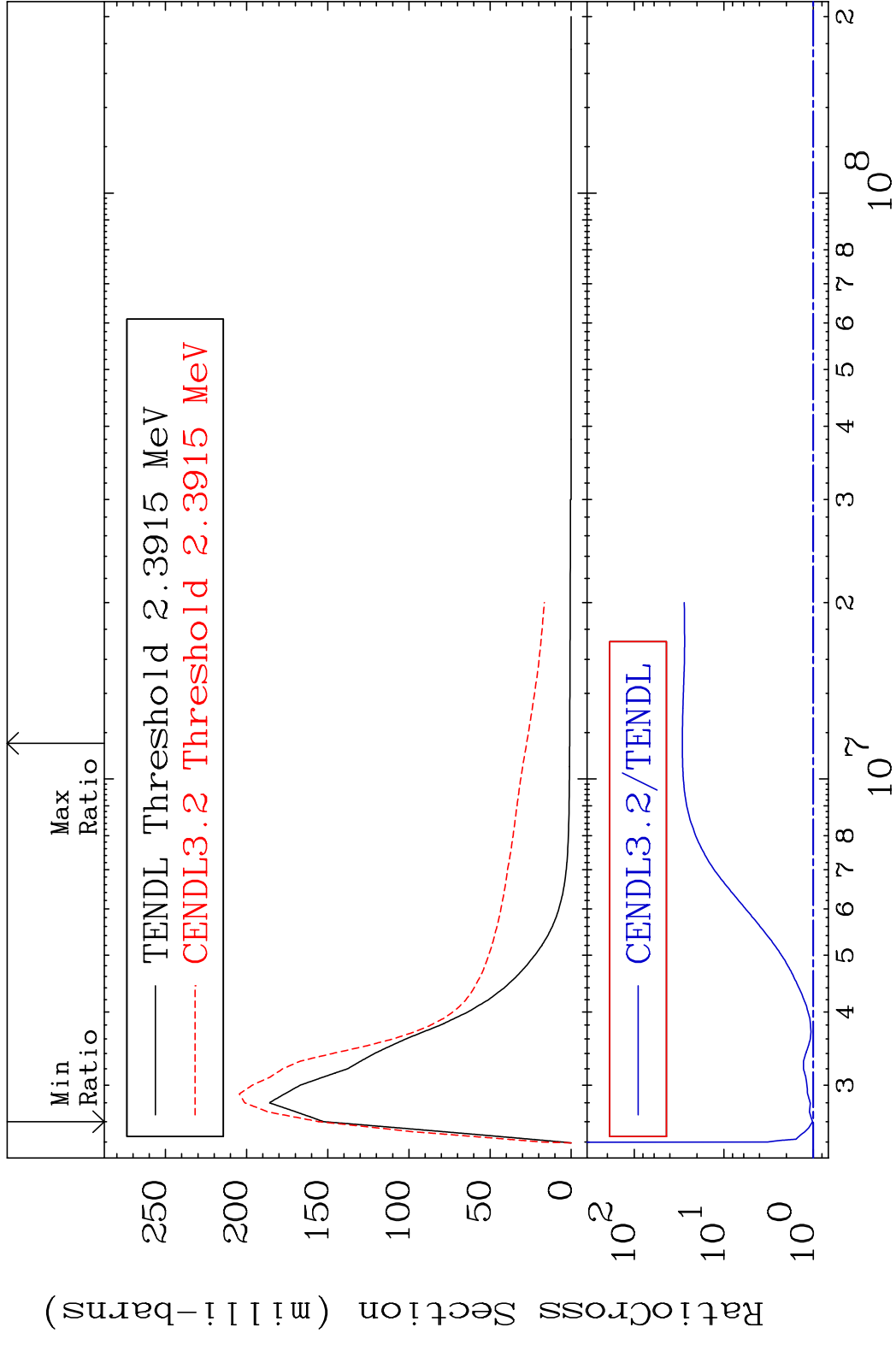
MAT 4037 MT= 56 (n,n') Level 40-Zr-94  
 Cross Section -26.58 To 943.8 %



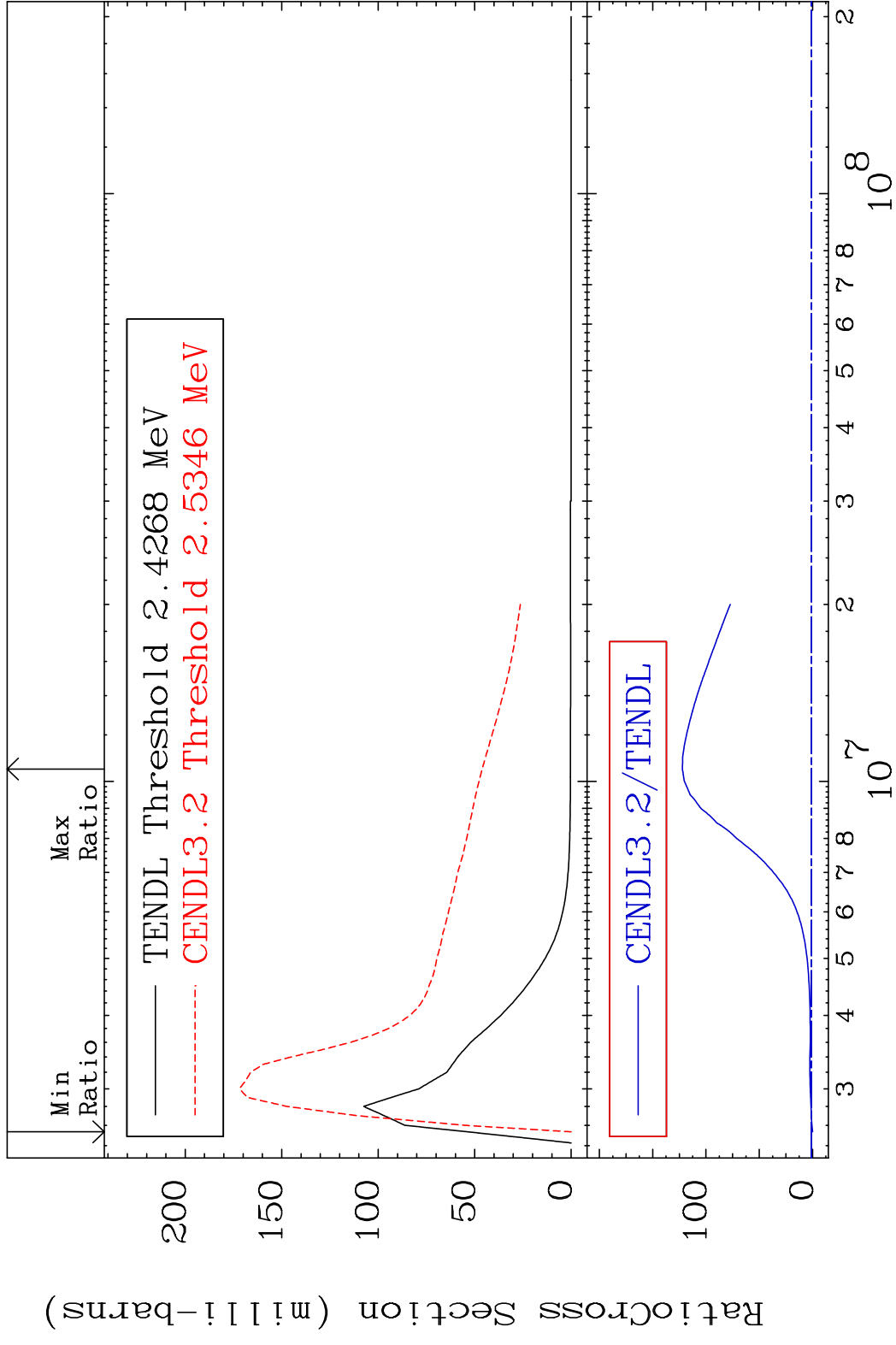
MAT 4037 MT= 57 (n,n') Level 40-Zr-94  
 Cross Section -100.0 To 16.36 %



MAT 4037 MT= 58 (n, n') Level 40-Zr-94  
 Cross Section 1.941 To 2806. %

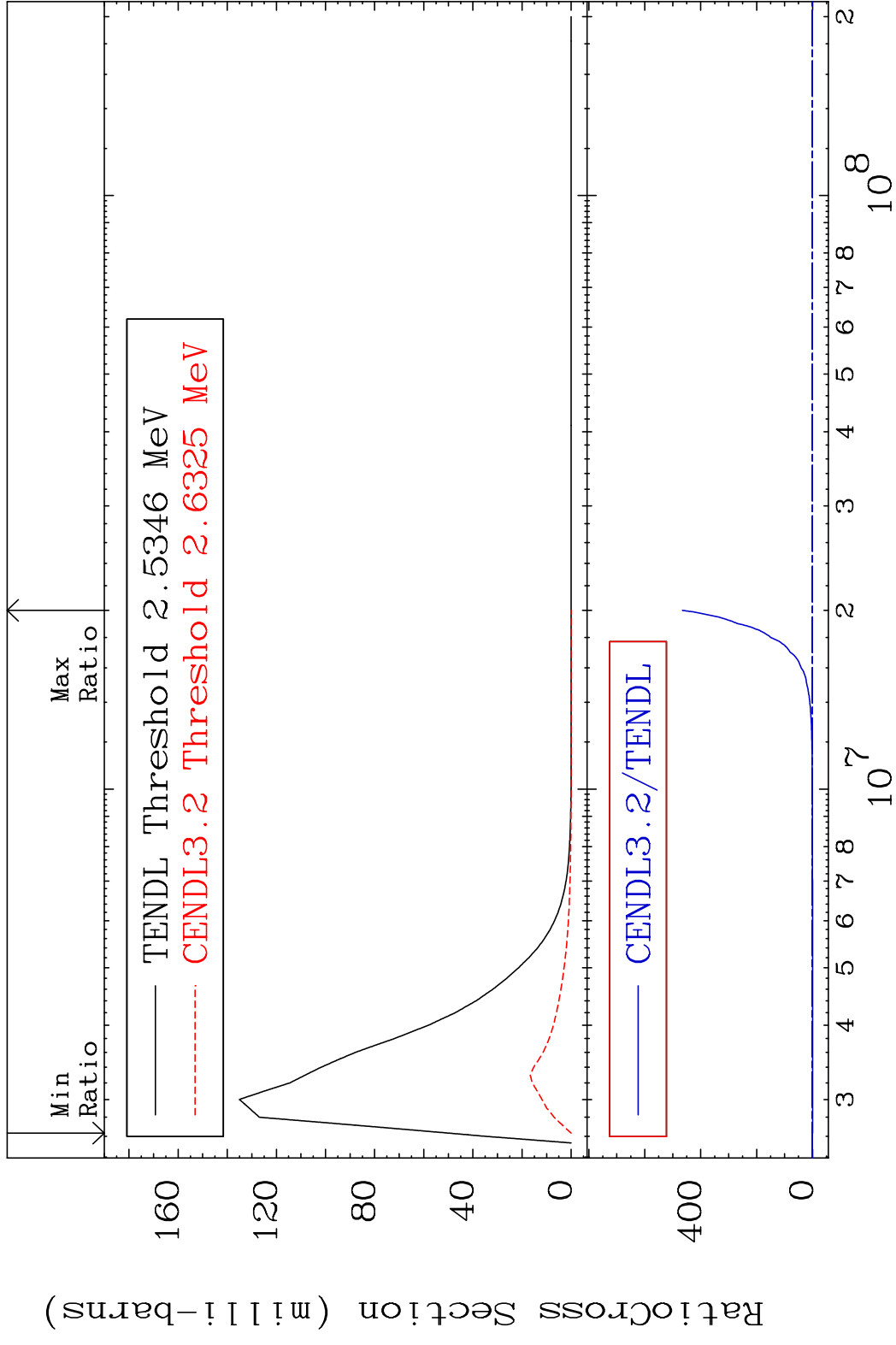


MAT 4037 MT= 59 (n,n') Level 40-Zr-94  
 Cross Section -100.0 To 9999. %



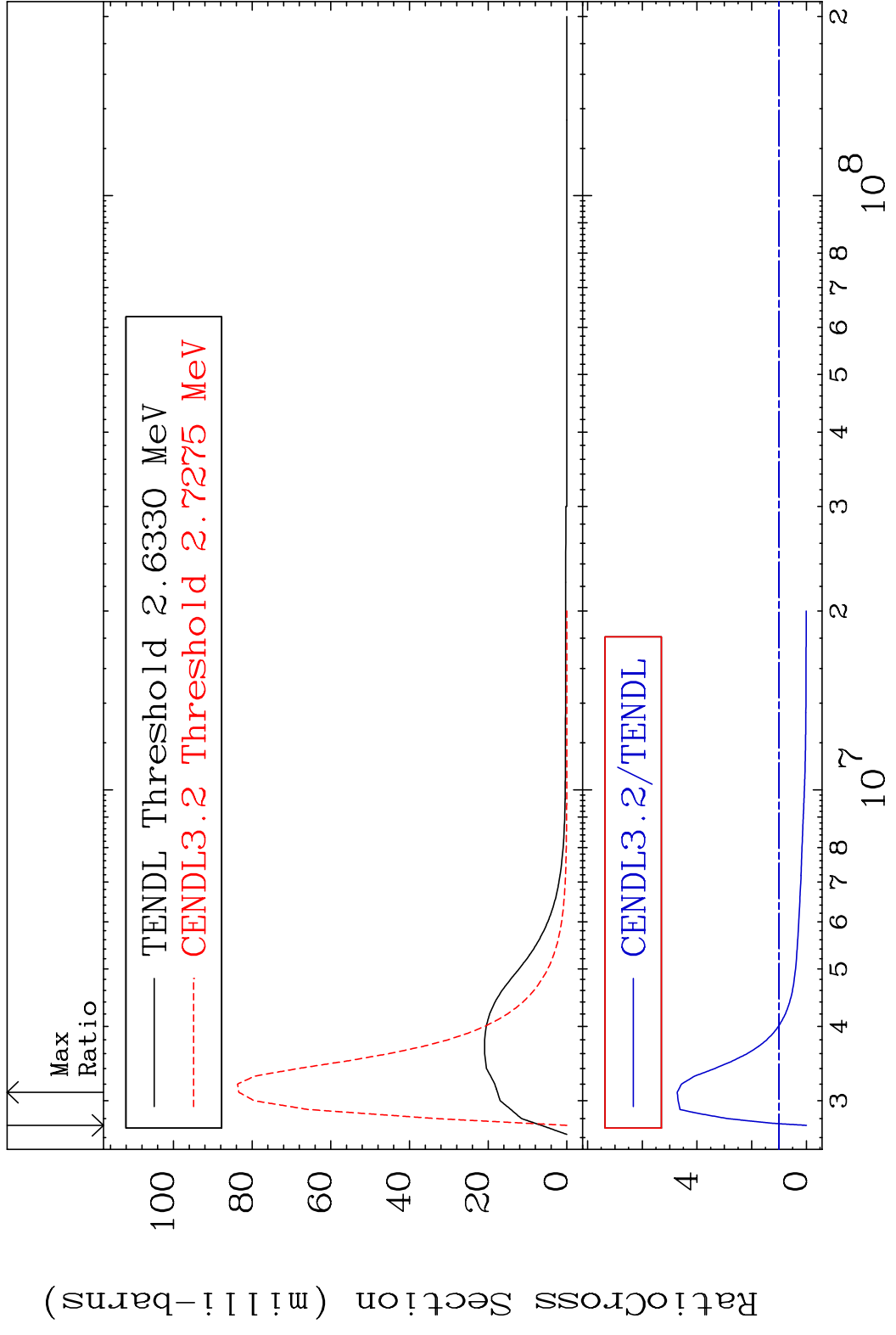
16 Incident Energy (eV) 40-Zr-94

MAT 4037 MT= 60 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 9999. %



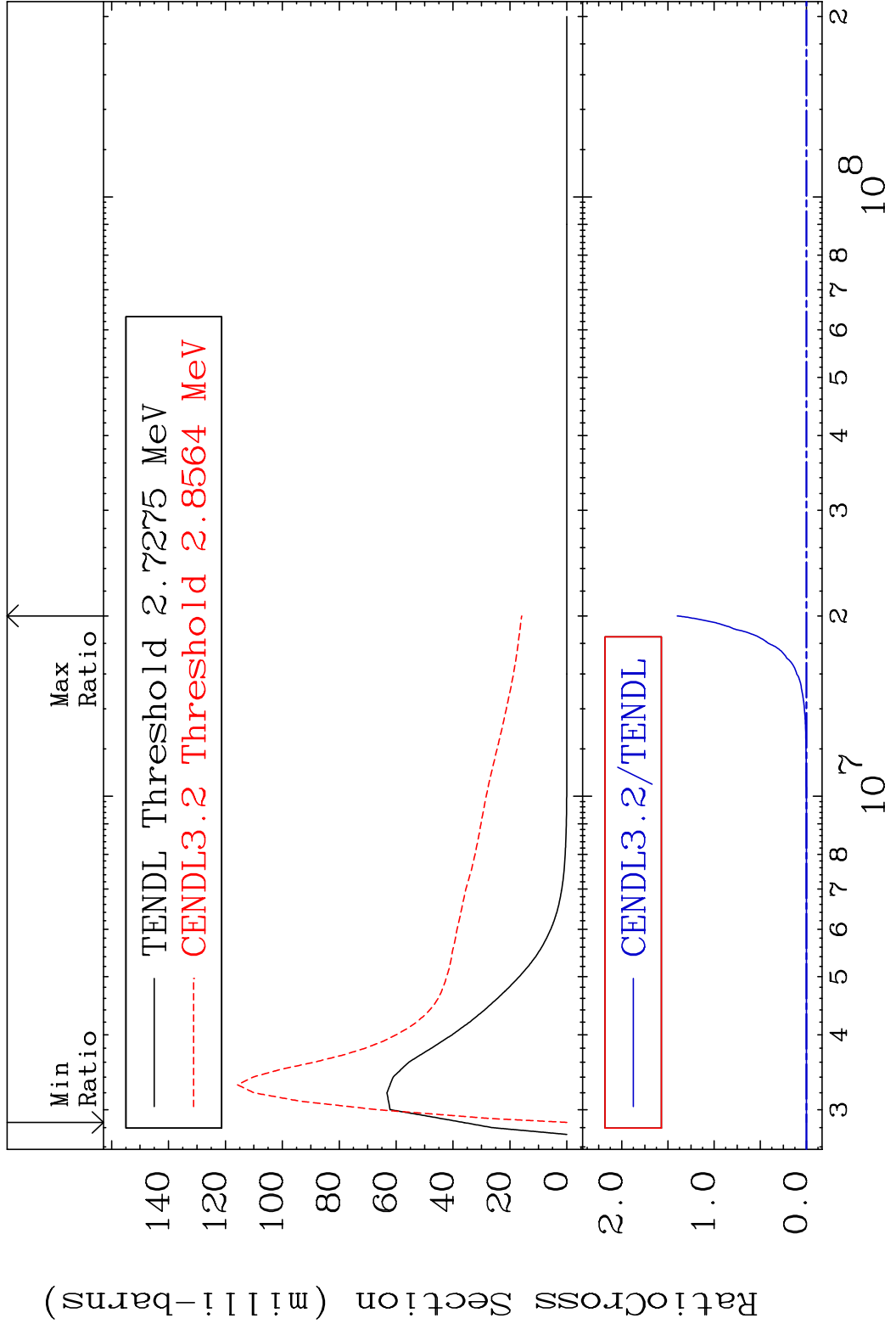
17 40-Zr-94

MAT 4037 MT= 61 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 372.4 %

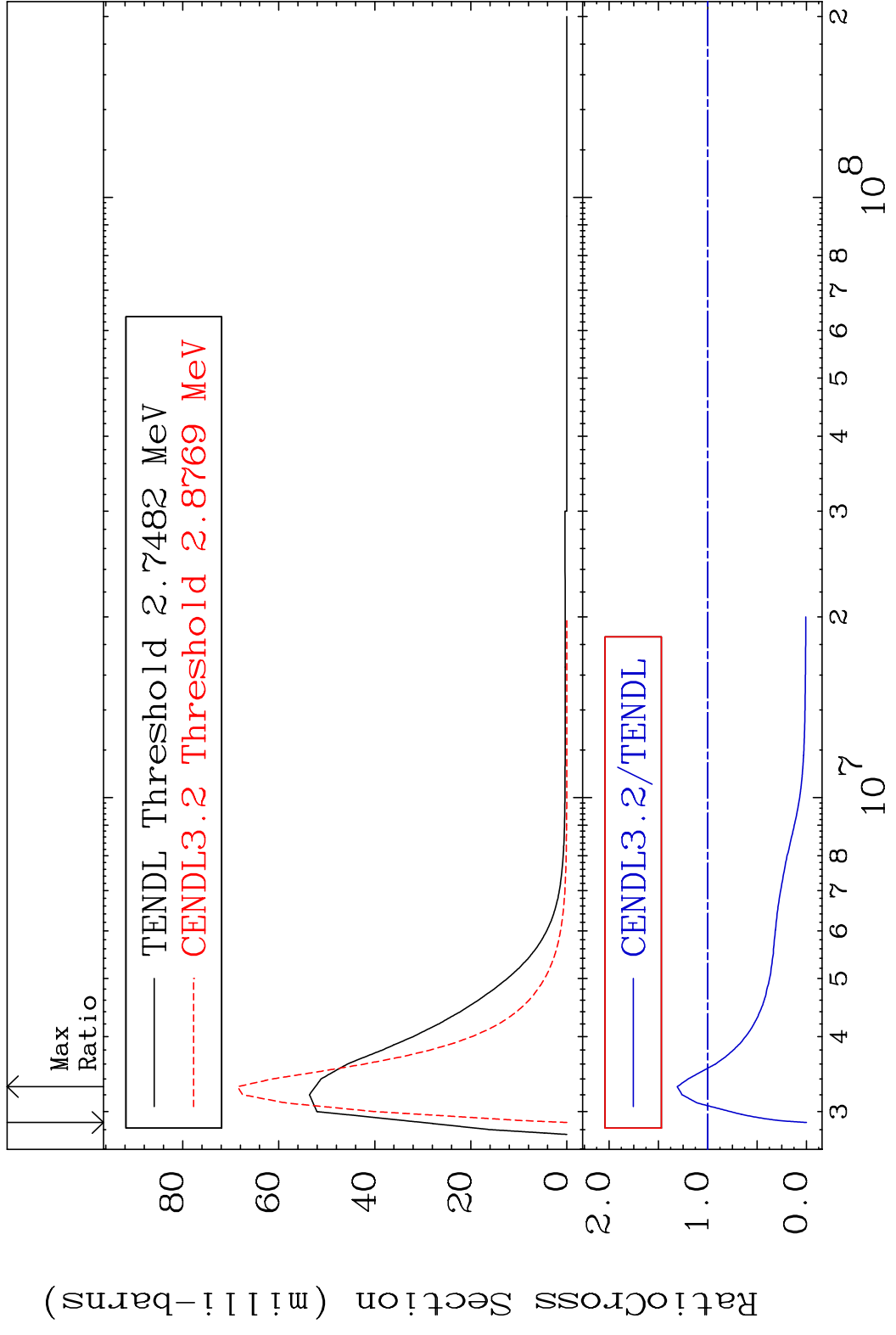


18 40-Zr-94

MAT 4037 MT= 62 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 9999. %



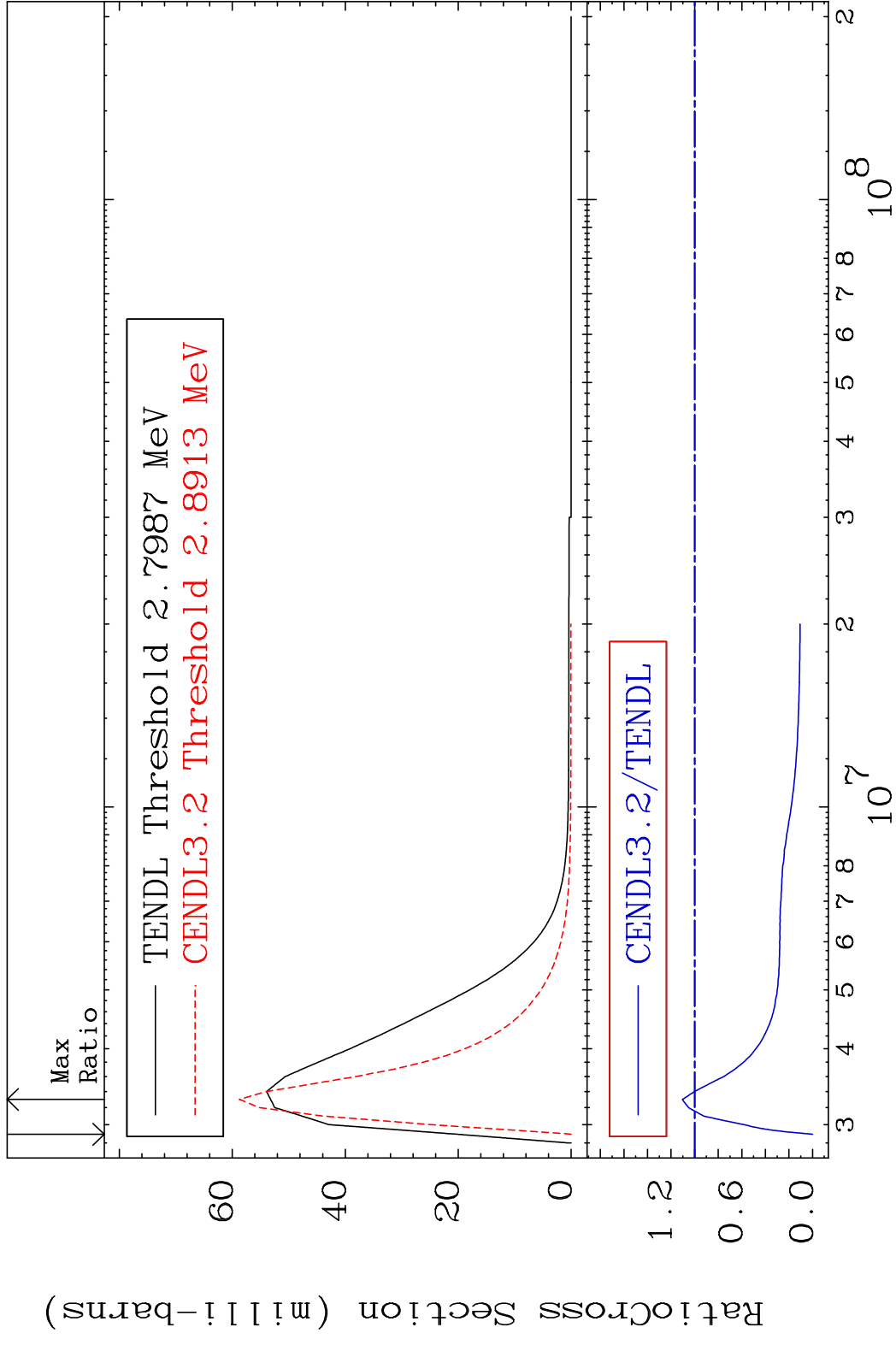
MAT 4037 MT= 63 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 30.92 %



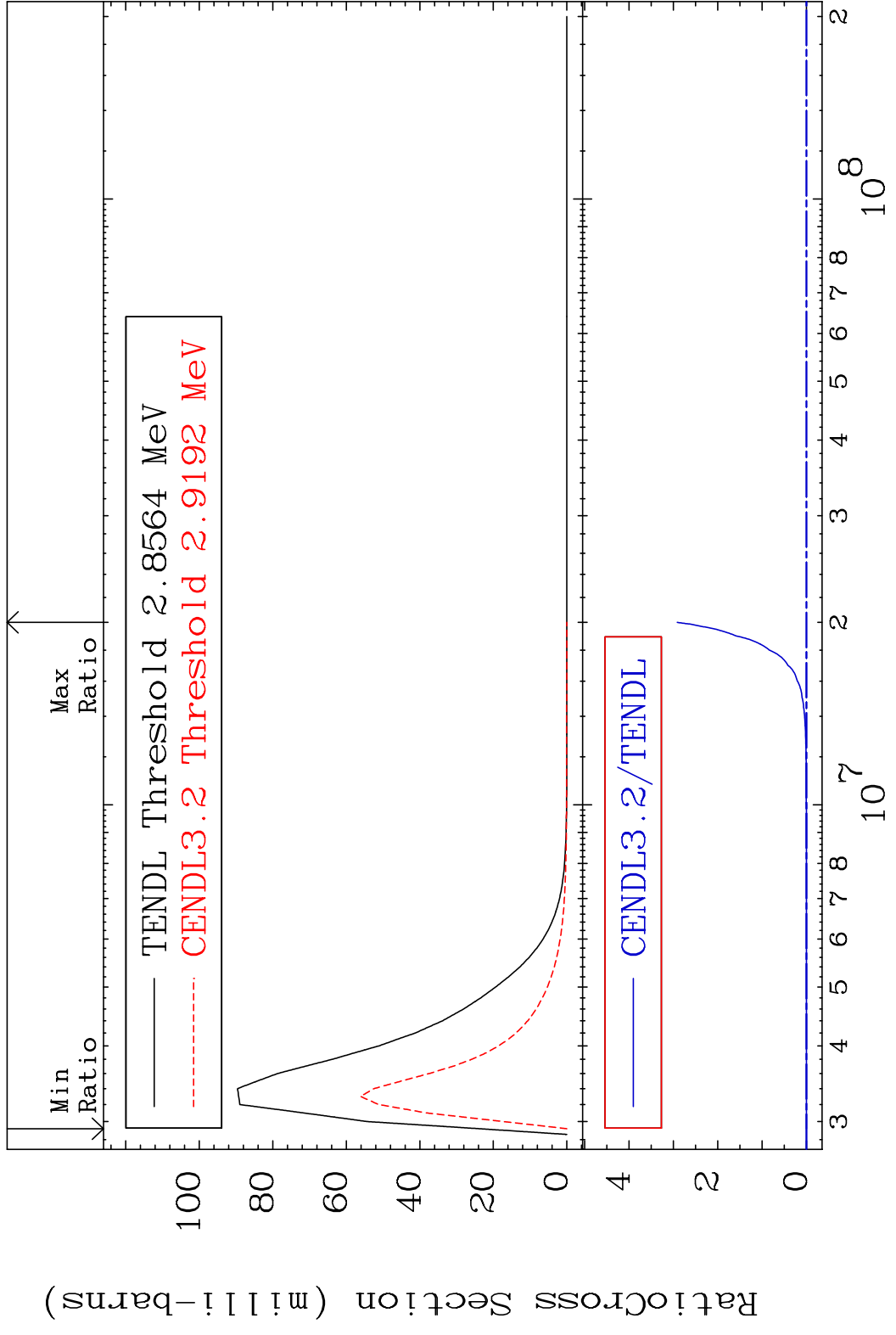
20

40-Zr-94

MAT 4037 MT= 64 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 10.43 %

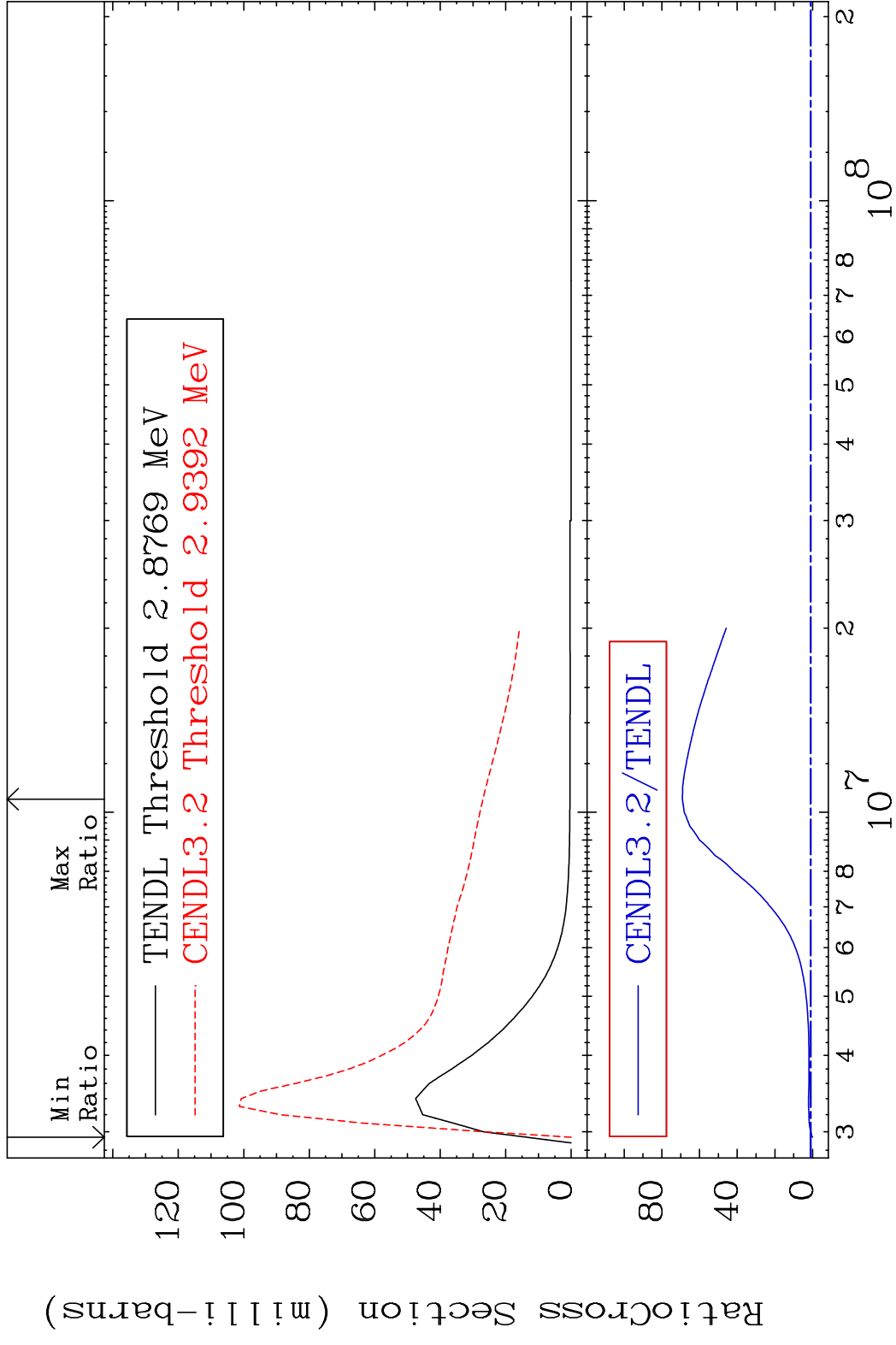


MAT 4037 MT= 65 (n, n') Level 40-Zr-94  
 Cross Section -100.0 To 9999. %

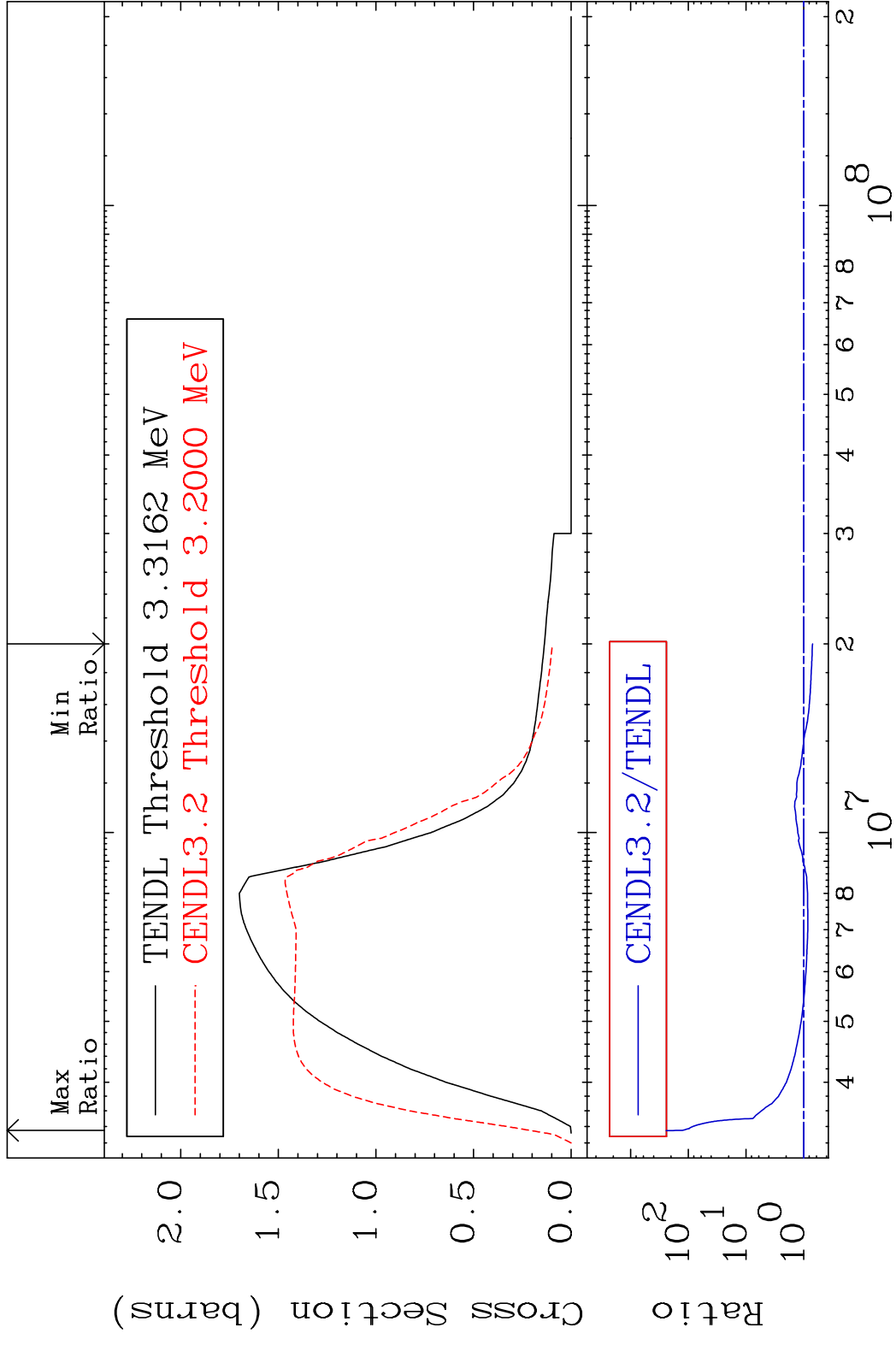


22 Incident Energy (eV) 40-Zr-94

MAT 4037 MT= 66 (n,n') Level 40-Zr-94  
 Cross Section -100.0 To 6813. %



MAT 4037 (n,n') Continuum 40-Zr-94  
 Cross Section -30.05 To 9999. %

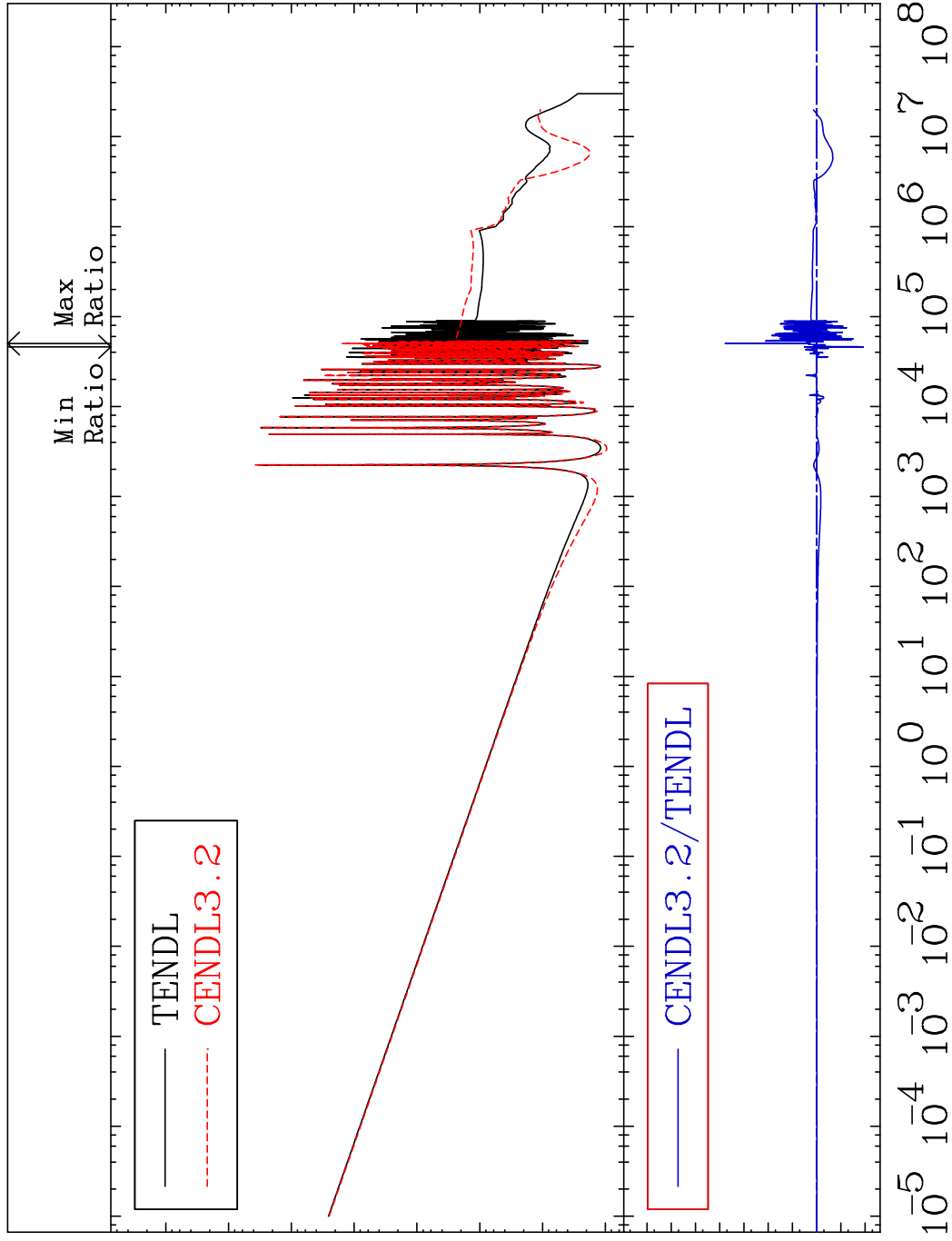


MAT 4037

(n,  $\gamma$ )

40-Zr-94

Cross Section -98.82 To 9999. %



25

Incident Energy (eV)

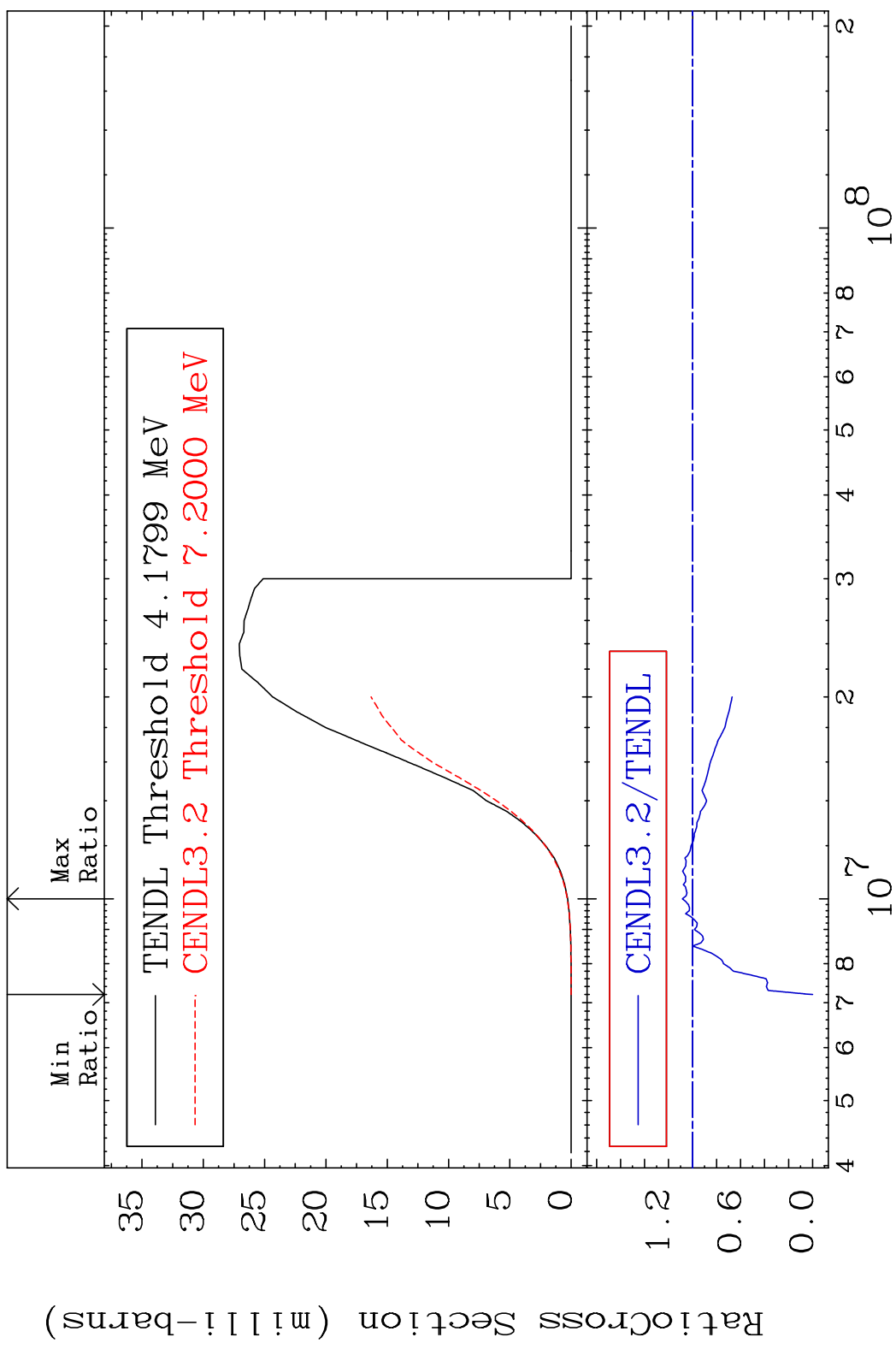
40-Zr-94

MAT 4037

(n,p)

40-Zr-94

Cross Section -100.0 To 8.501 %

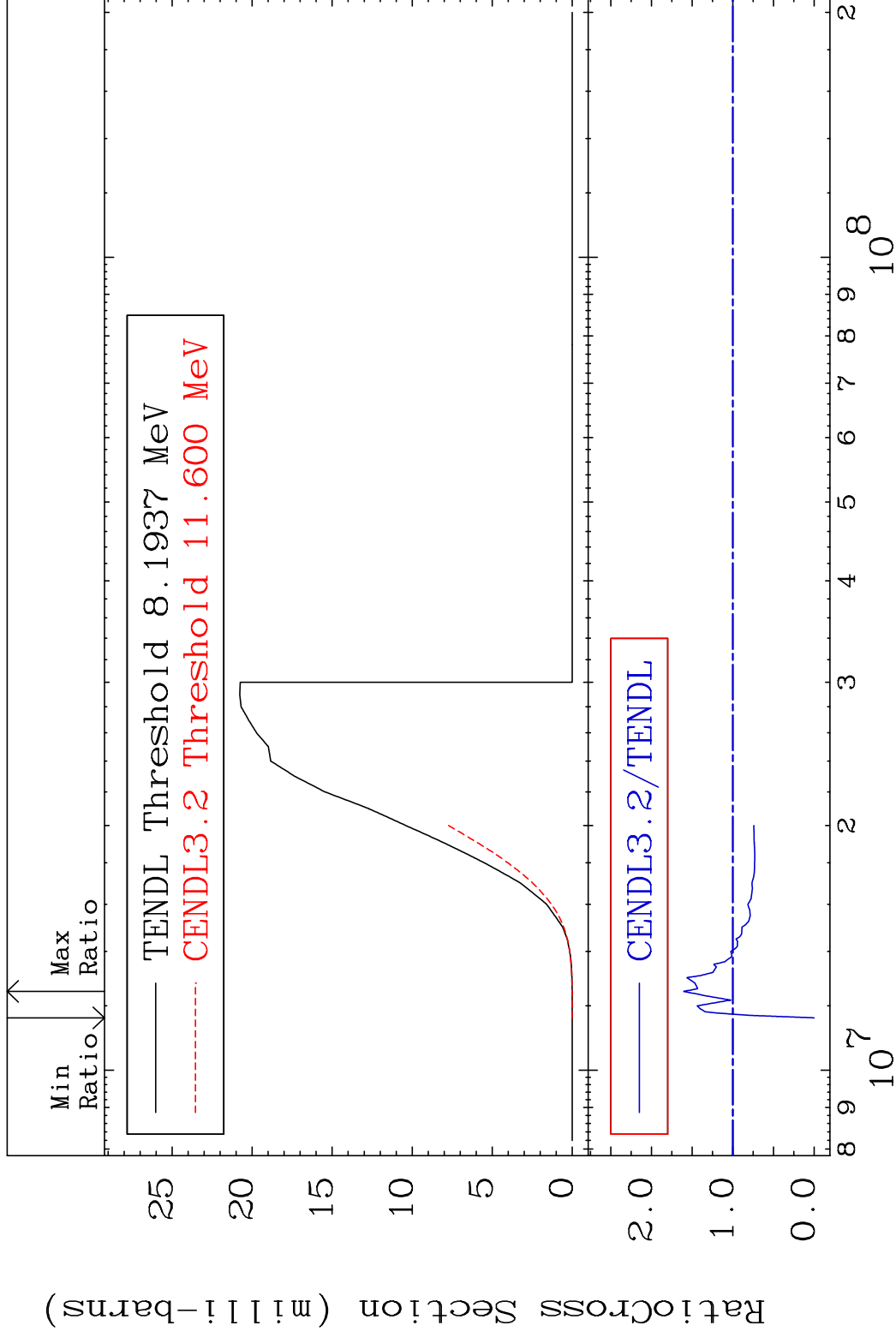


MAT 4037

(n,d)

40-Zr-94

Cross Section -100.0 To 60.49 %



27

Incident Energy (eV)

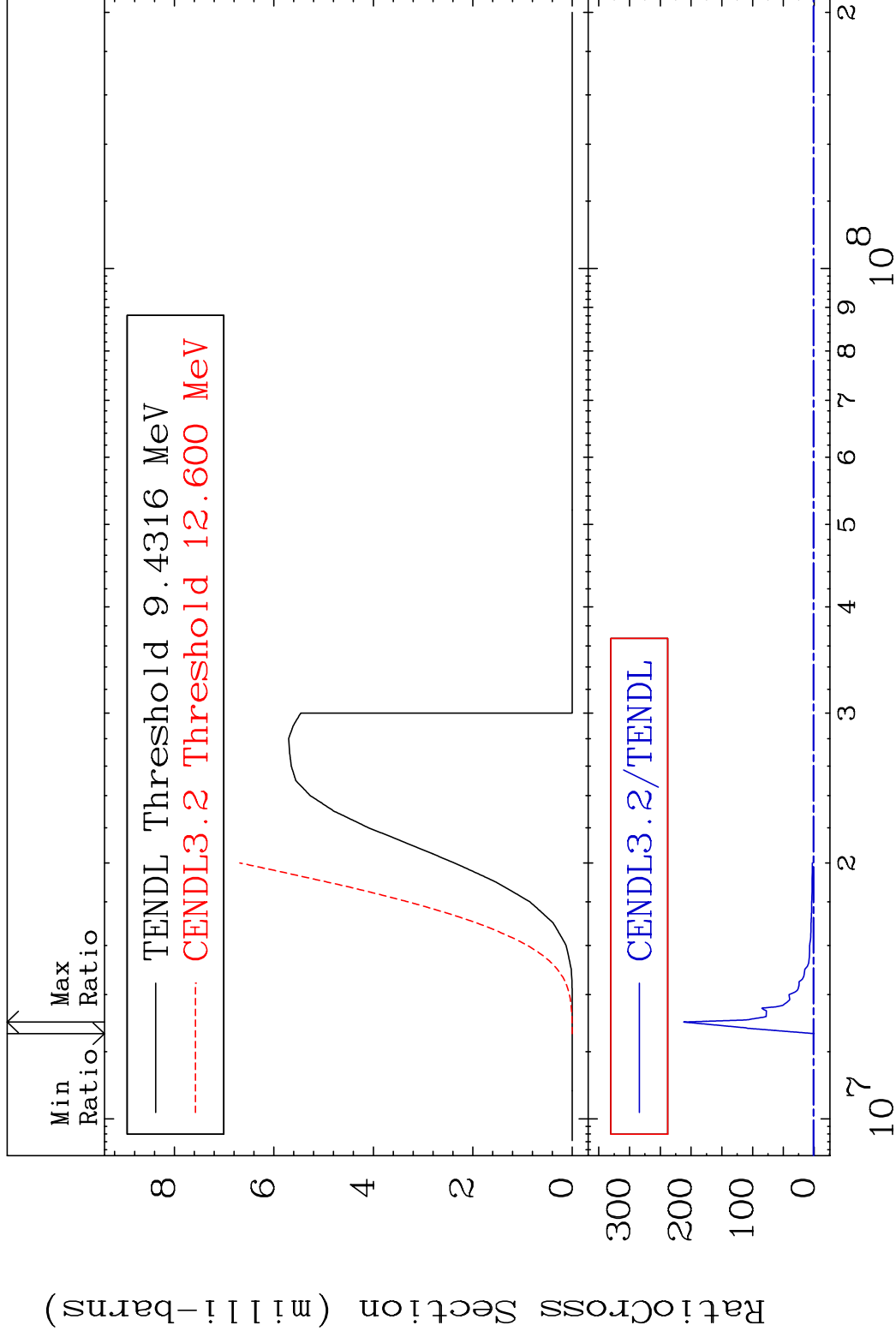
40-Zr-94

MAT 4037

(n, t)

40-Zr-94

Cross Section -100.0 To 9999. %

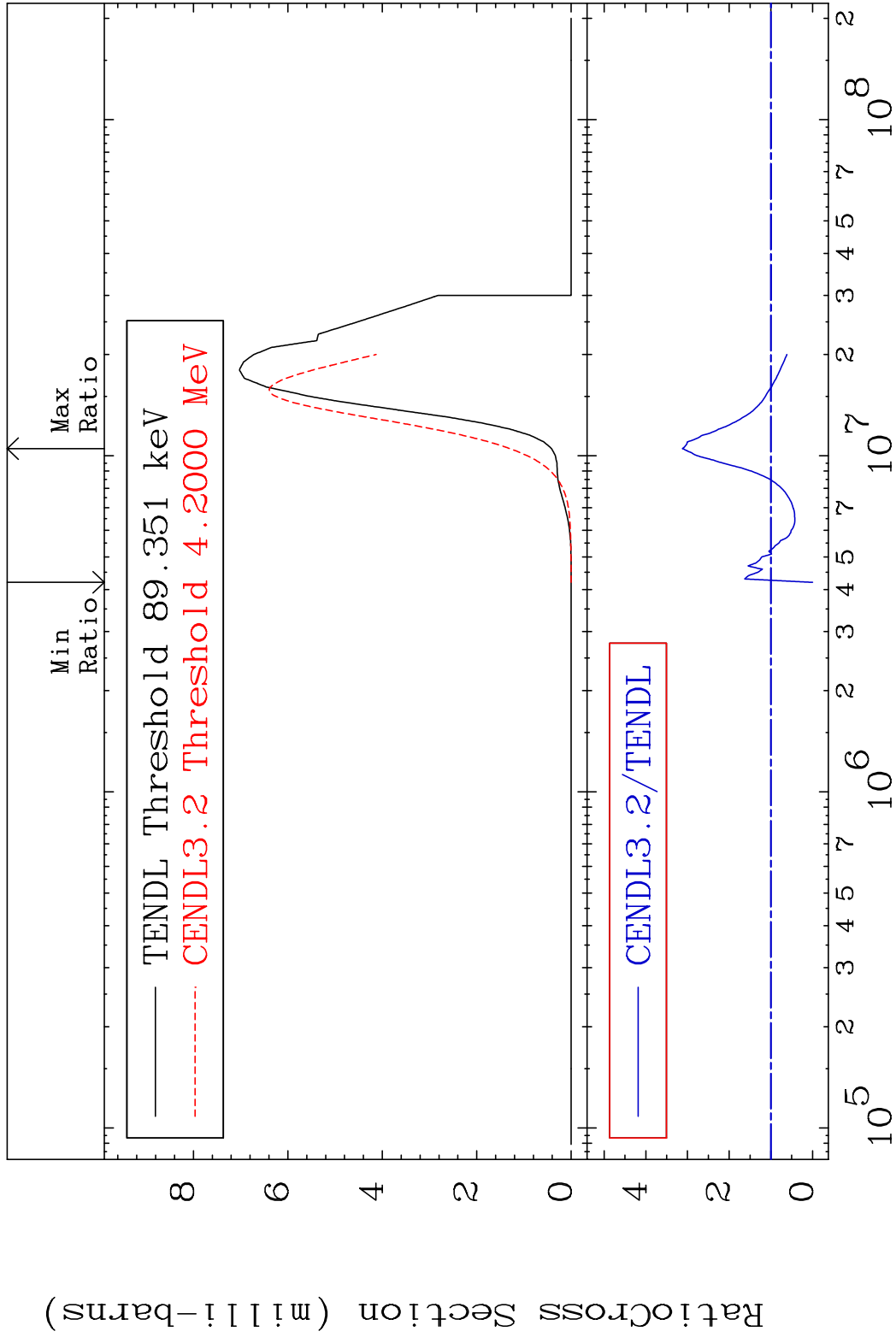


MAT 4037

(n,  $\alpha$ )

40-Zr-94

Cross Section -100.0 To 212.3 %



29

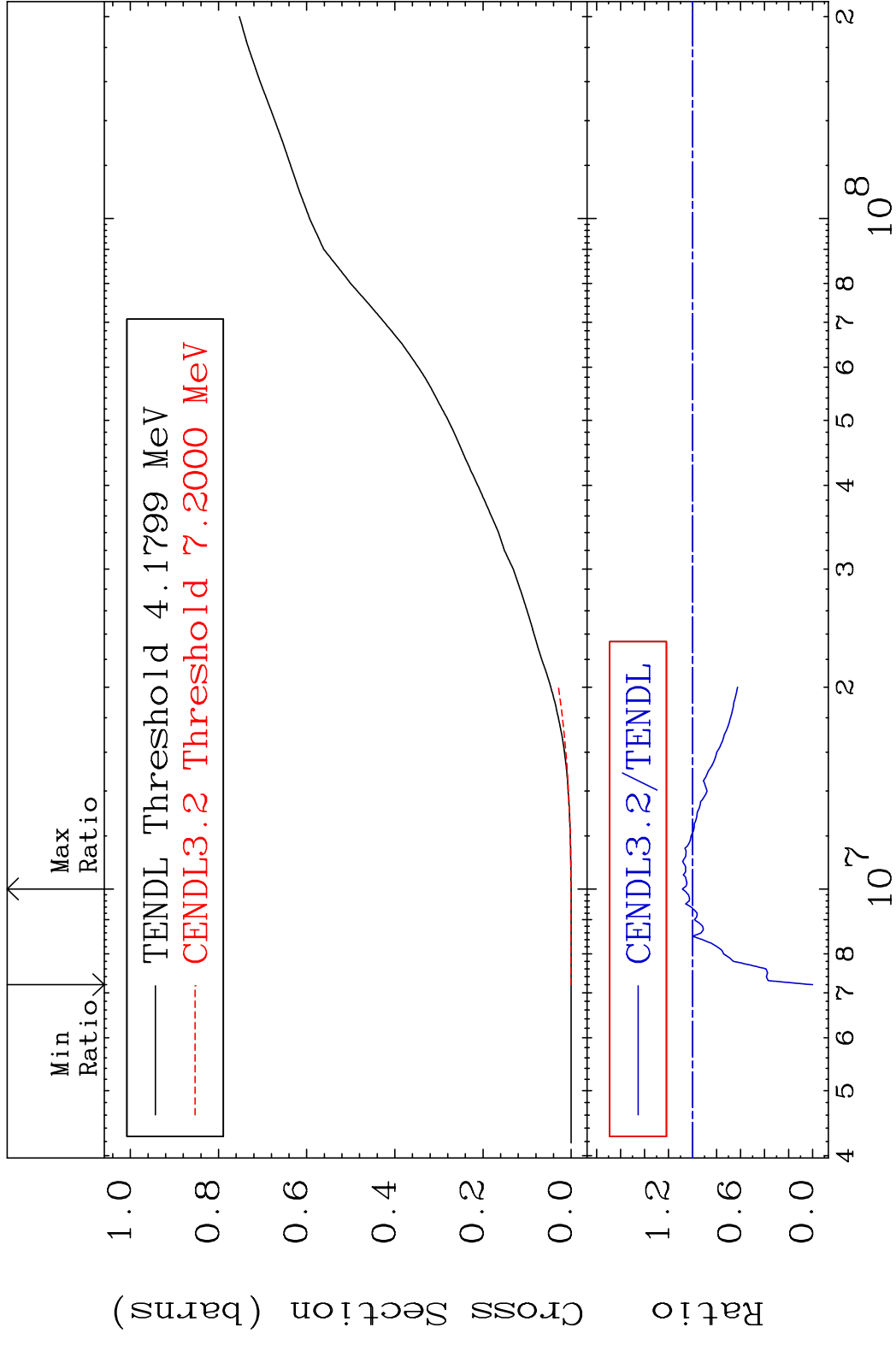
Incident Energy (eV)

40-Zr-94

MAT 4037

Hydrogen Production  
Cross Section -100.0 To 8.501 %

40-Zr-94



30

Incident Energy (eV)

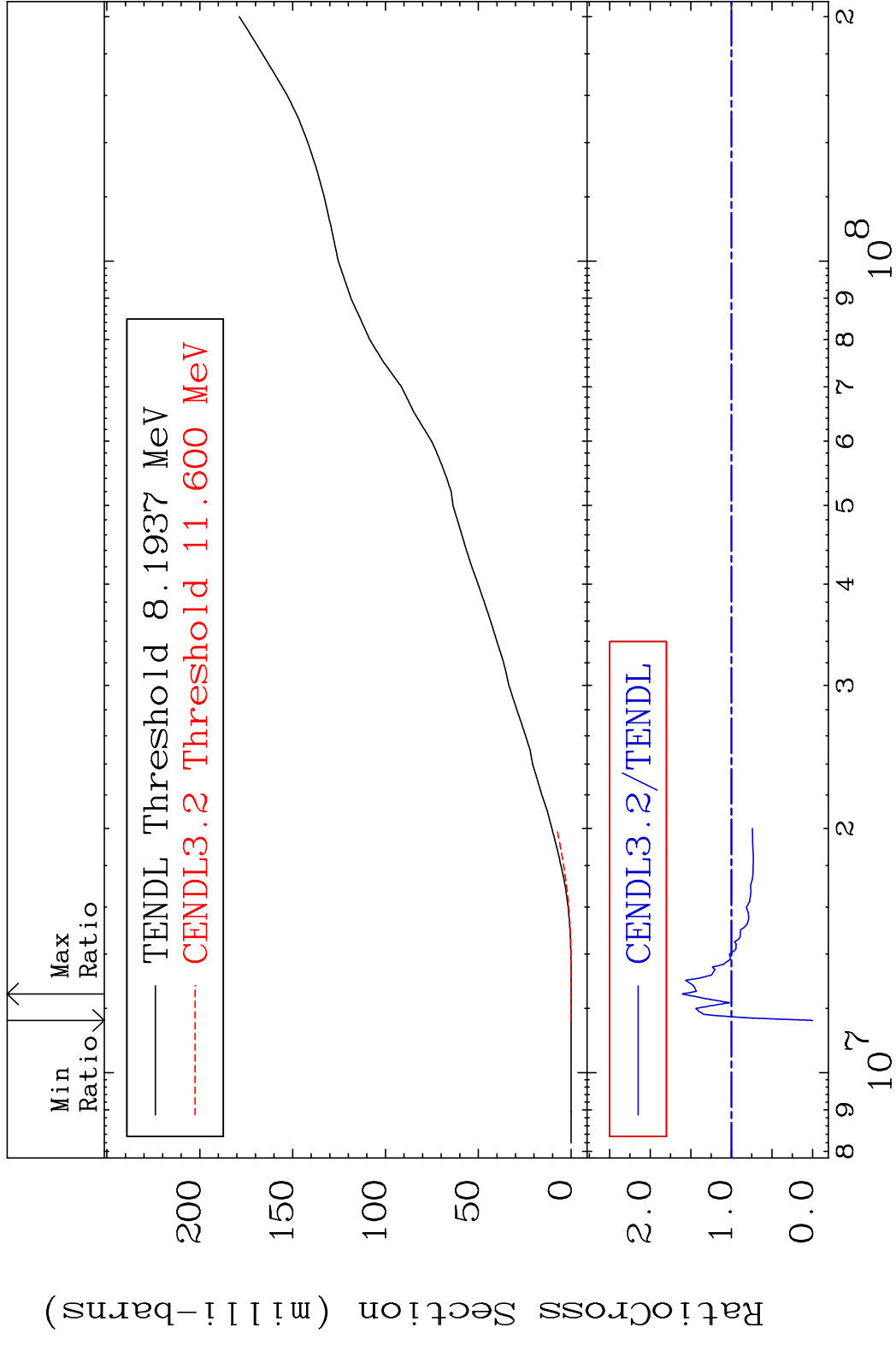
40-Zr-94

MAT 4037

Deuterium Production

40-Zr-94

Cross Section -100.0 To 60.49 %



31

Incident Energy (eV)

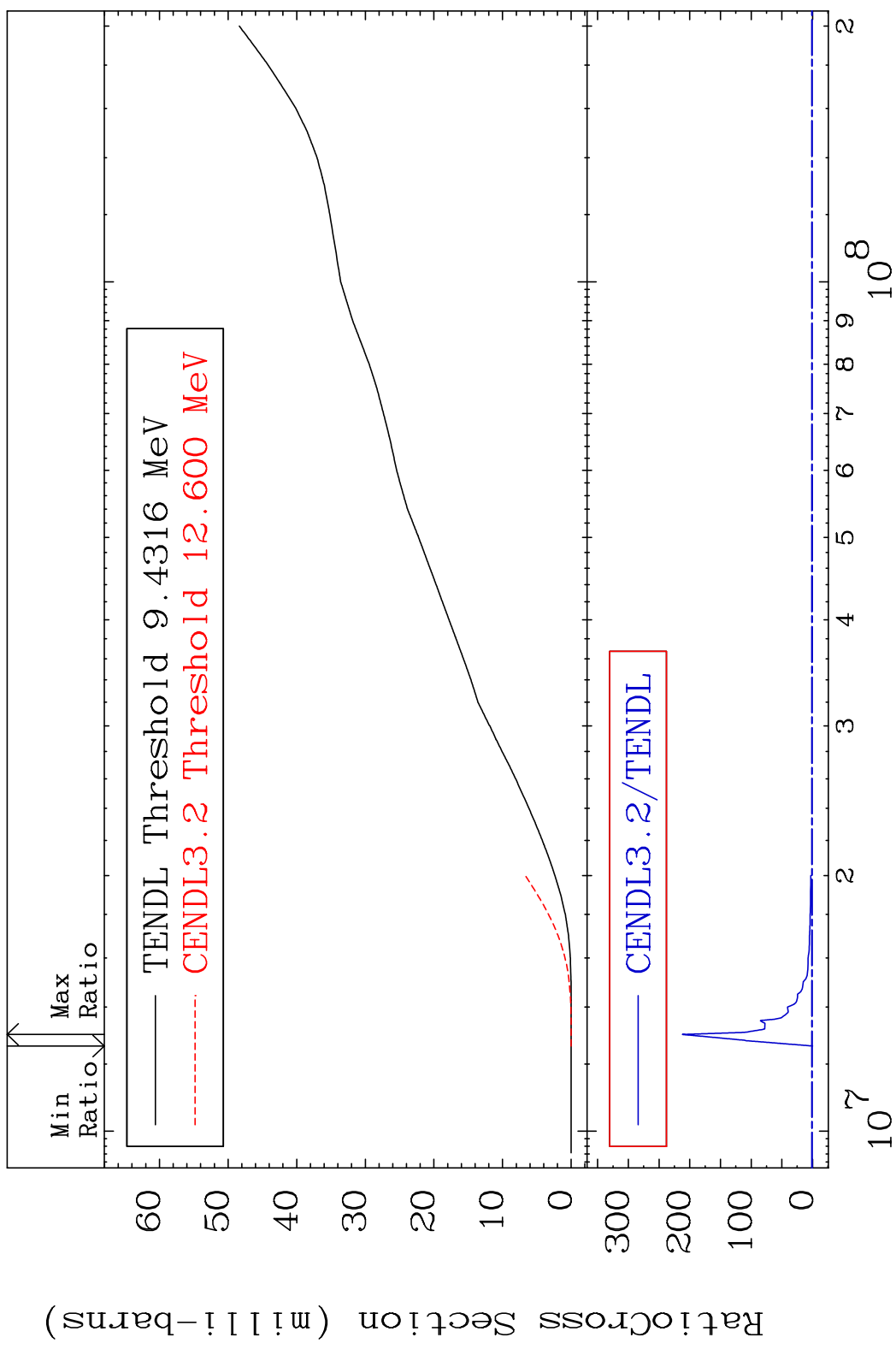
40-Zr-94

MAT 4037

Tritium Production

40-Zr-94

Cross Section -100.0 To 9999. %



32

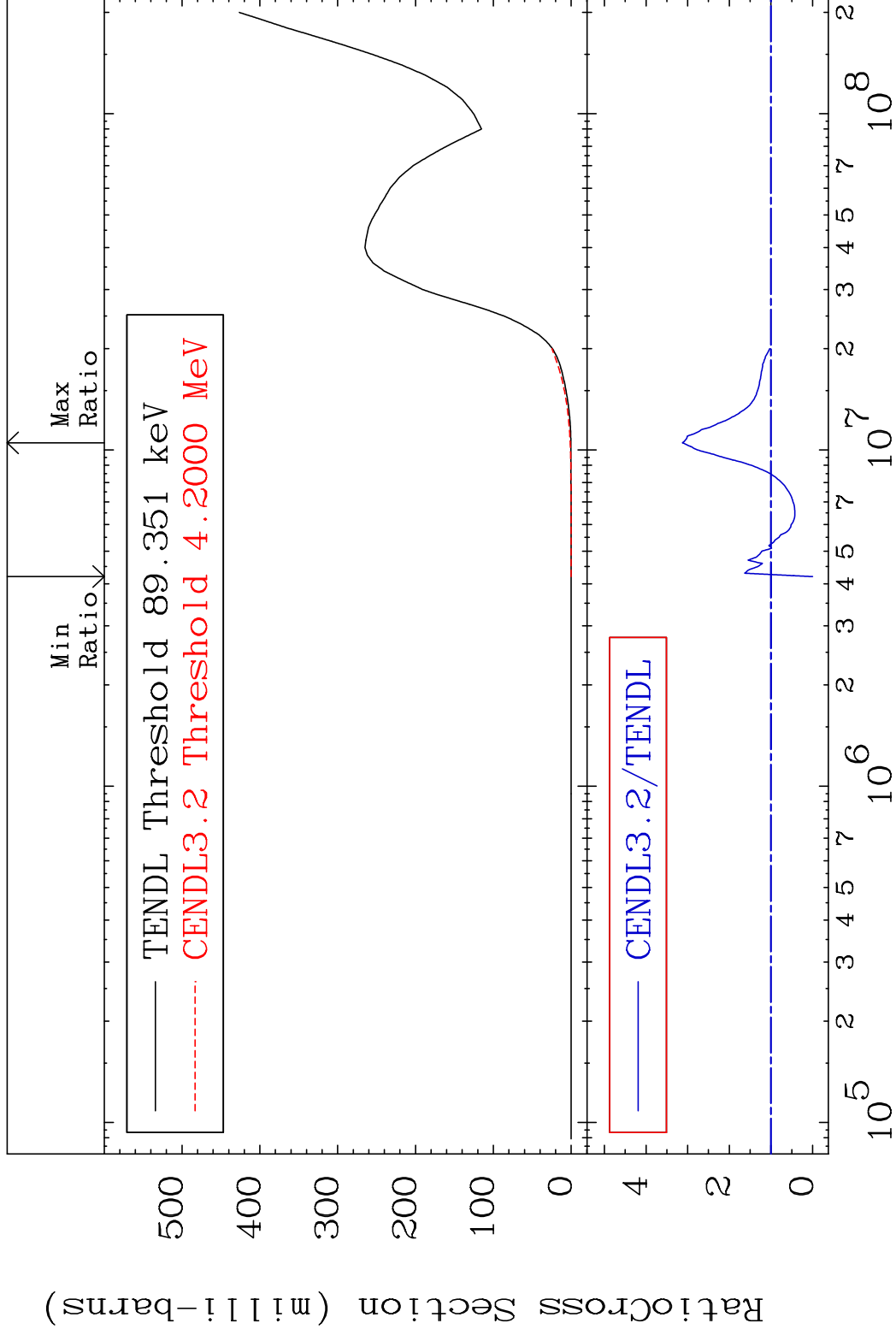
40-Zr-94

MAT 4037

He-4 Production

40-Zr-94

Cross Section -100.0 To 212.8 %

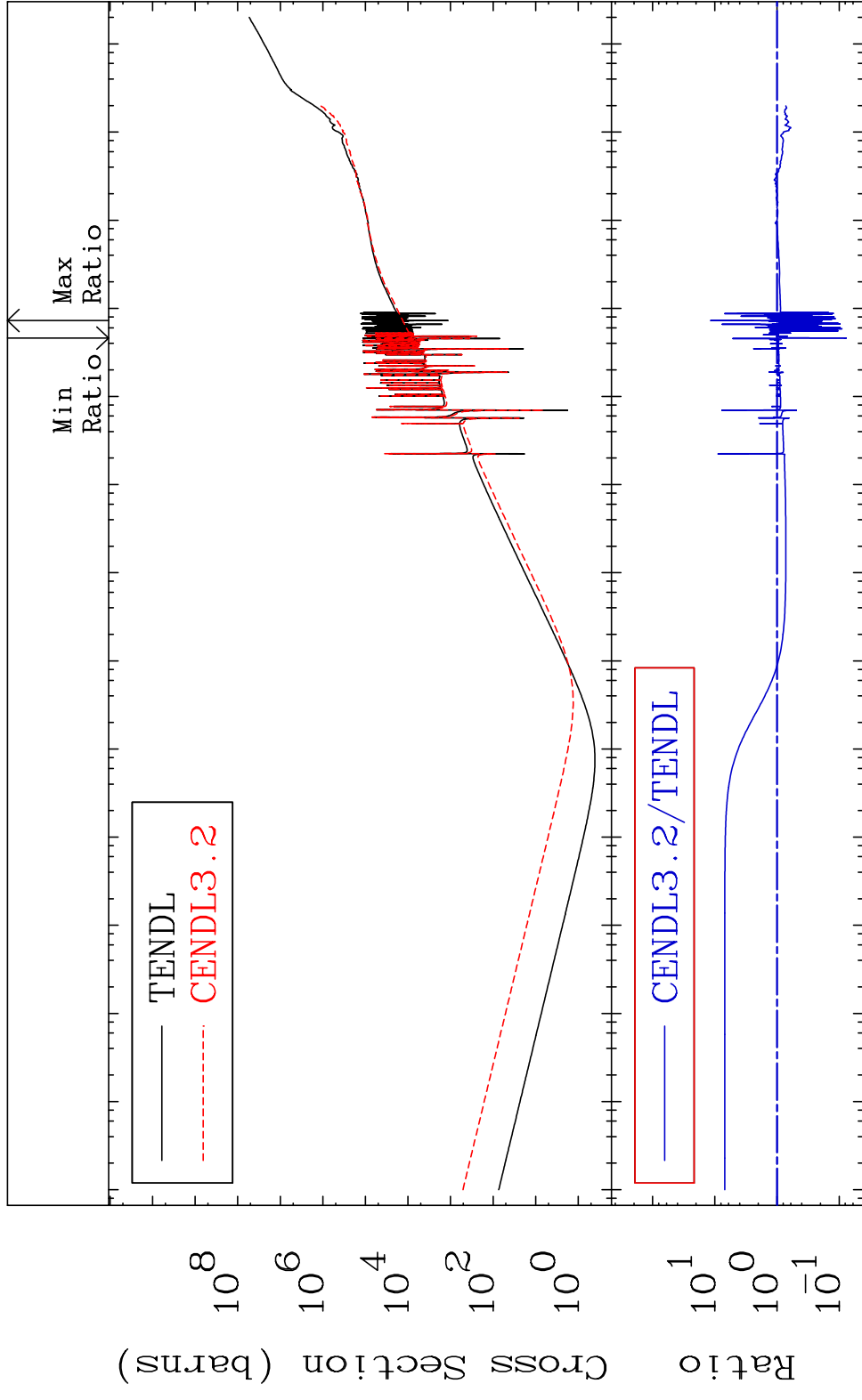


33

Incident Energy (eV)

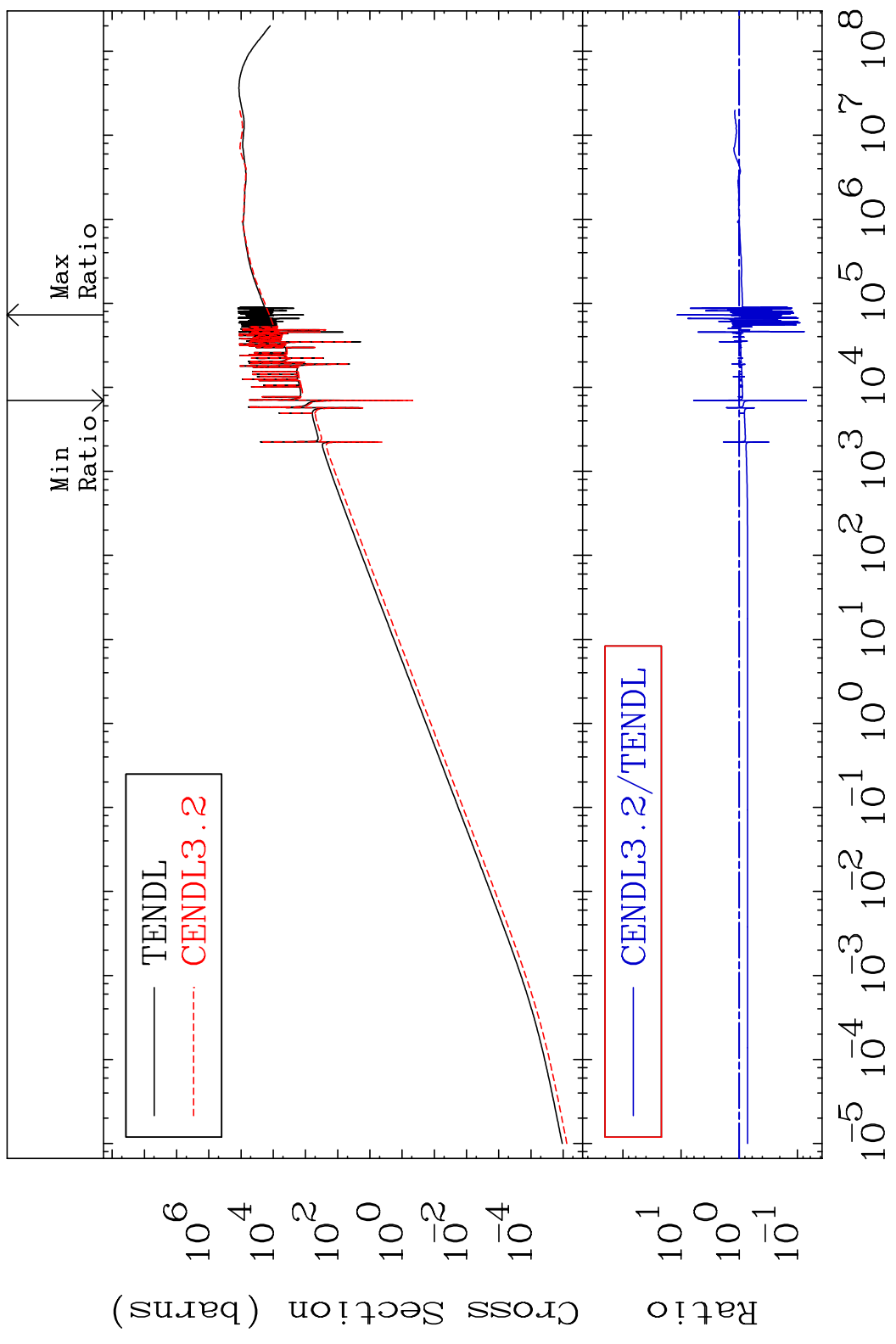
40-Zr-94

MAT 4037 Kerma total (eV-barns) 40-Zr-94  
 Cross Section -92.30 To 1066. %



MAT 4037

Kerma elastic Cross Section -93.01 To 1065. % 40-Zr-94

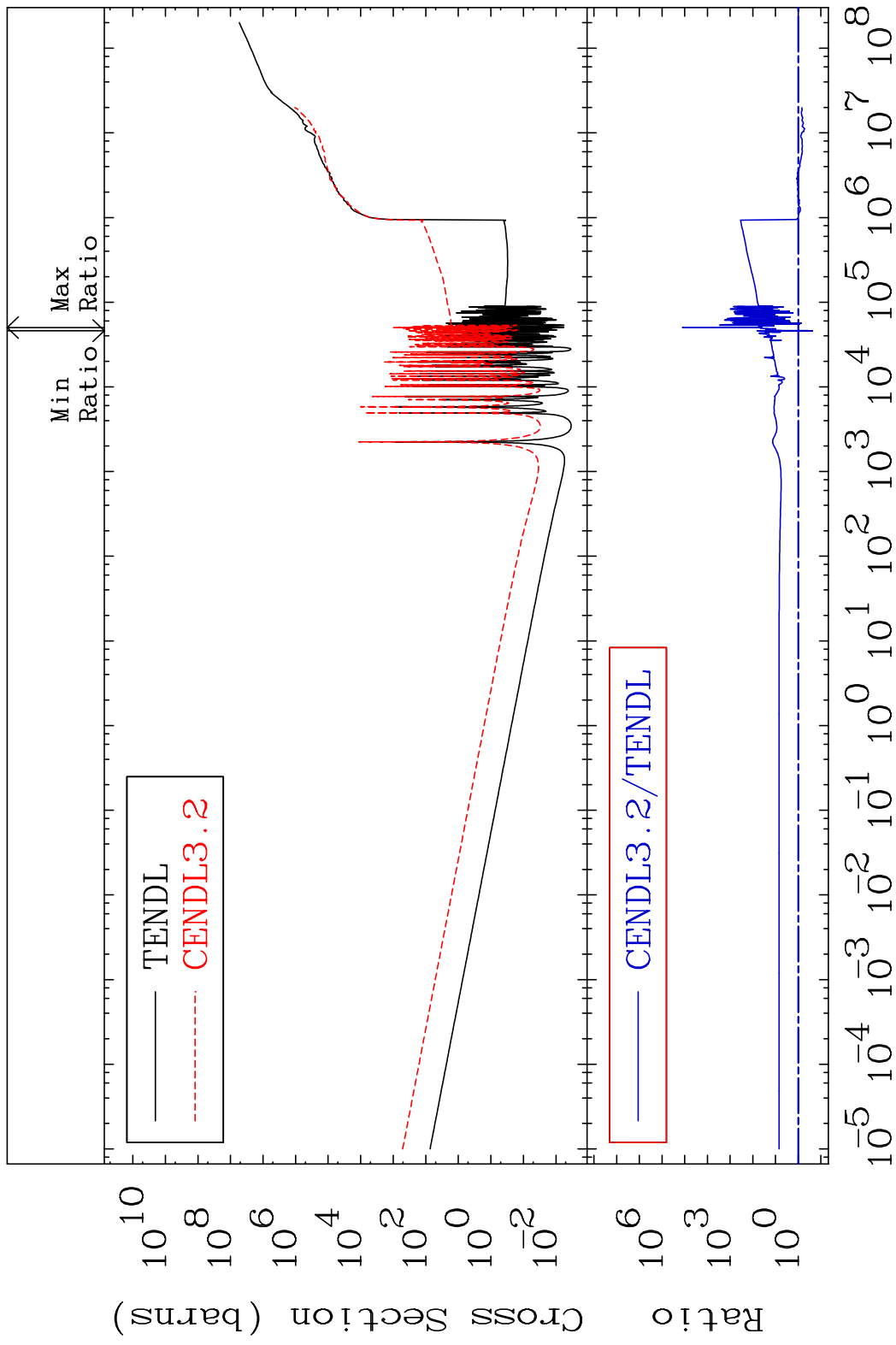


35

Incident Energy (eV)

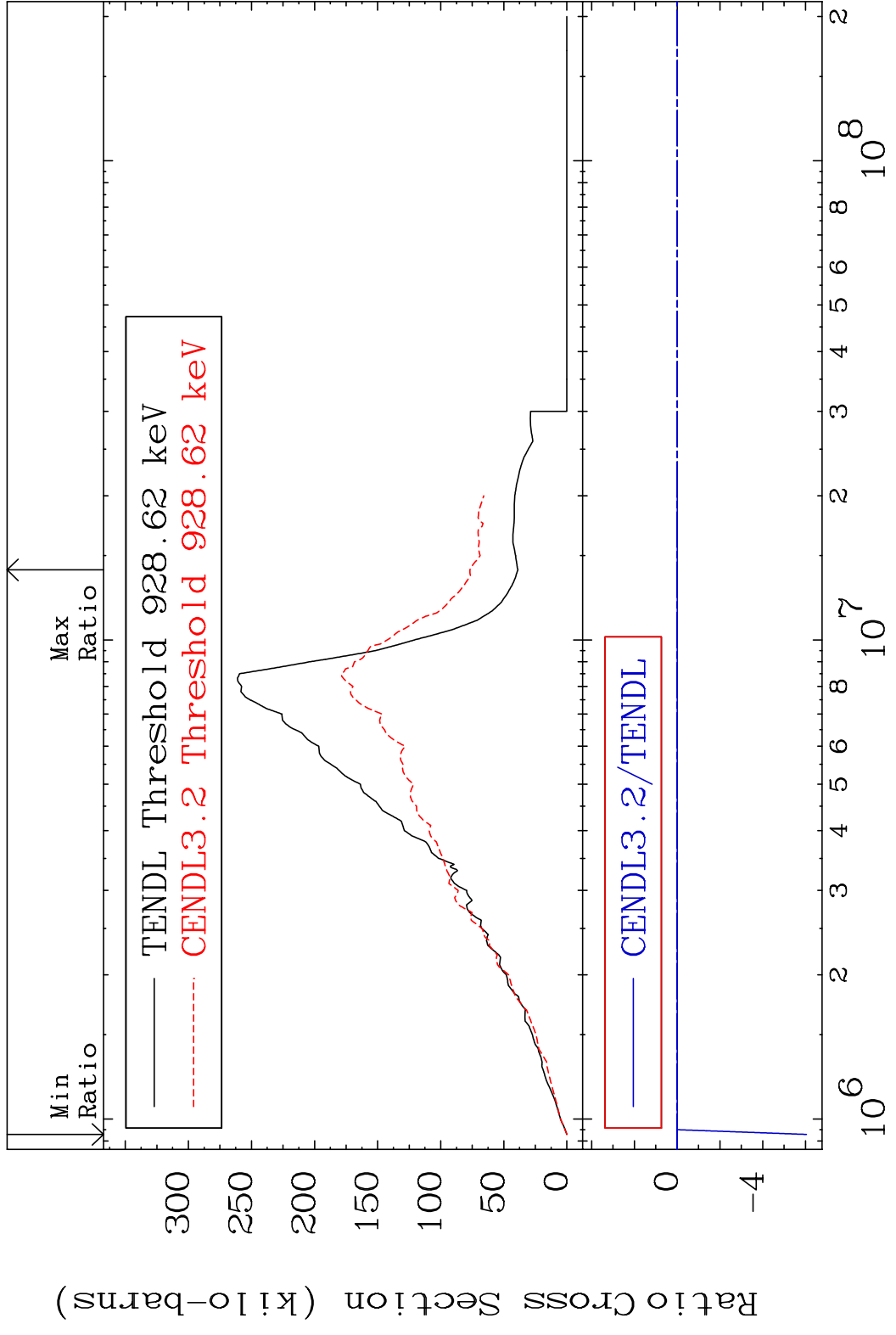
40-Zr-94

MAT 4037 Kerma non-elastic (all but mt2) 40-Zr-94  
 Cross Section -76.81 To 9999. %



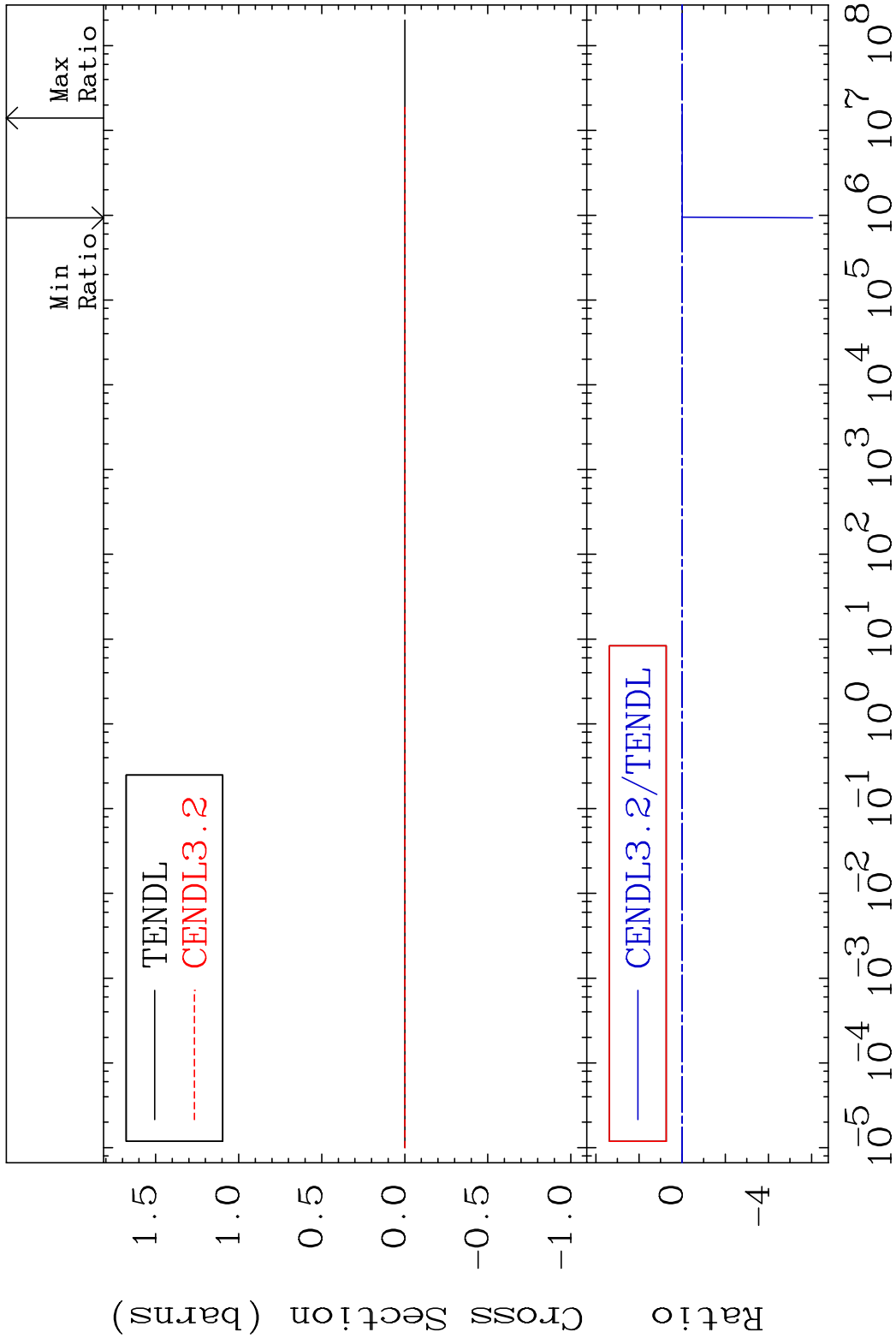
36 Incident Energy (eV) 40-Zr-94

MAT 4037 Kerma inelastic (mt51-91) 40-Zr-94  
 Cross Section -9999. To 97.77 %



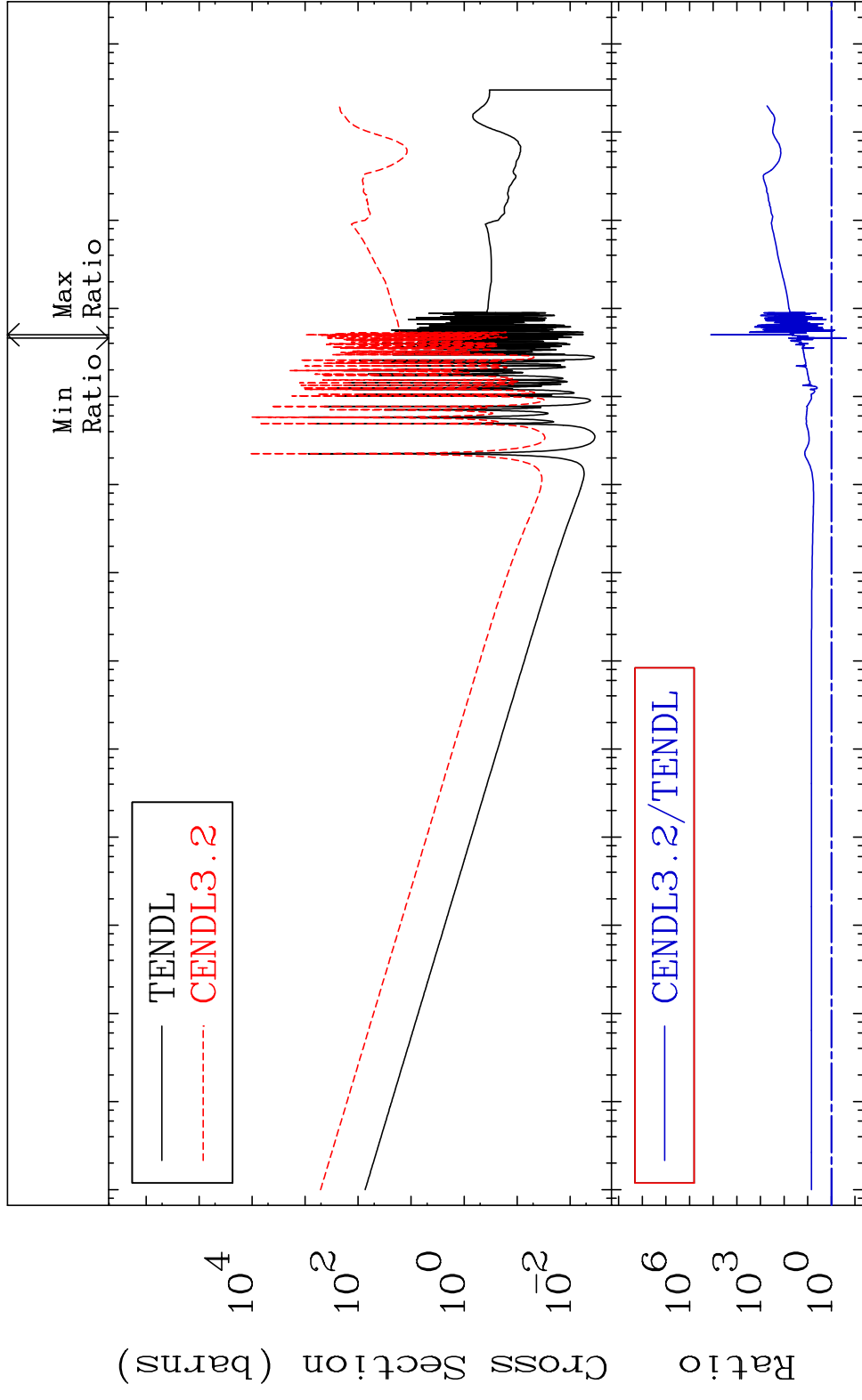
37 Incident Energy (eV) 40-Zr-94

MAT 4037 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-94  
 Cross Section -9999. To 97.77 %



MAT 4037

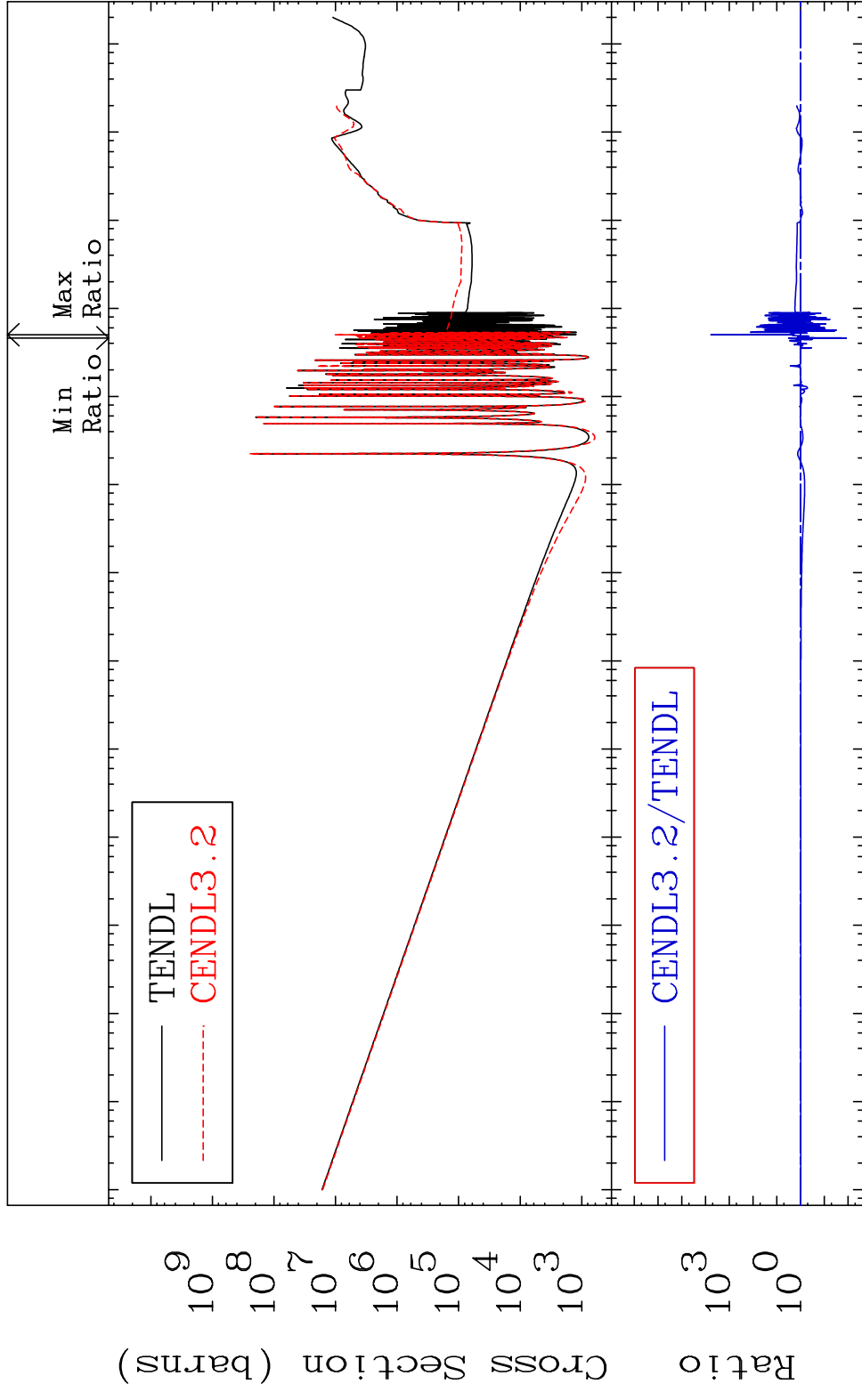
Kerma capture (mt102) 40-Zr-94  
Cross Section -76.81 To 9999. %



39

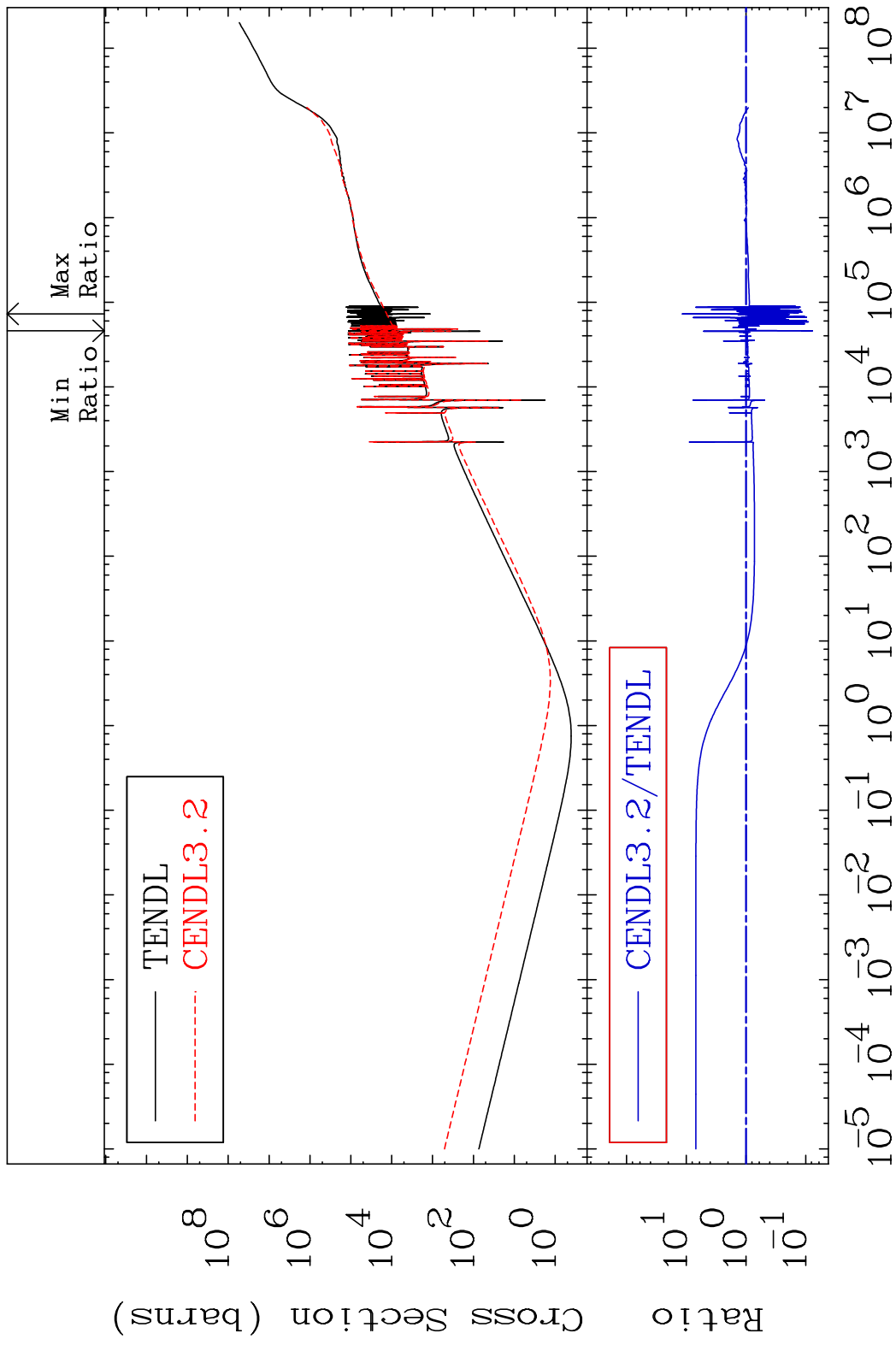
Incident Energy (eV) 40-Zr-94

MAT 4037 Total photon (eV-barns) 40-Zr-94  
Cross Section -98.82 To 9999. %



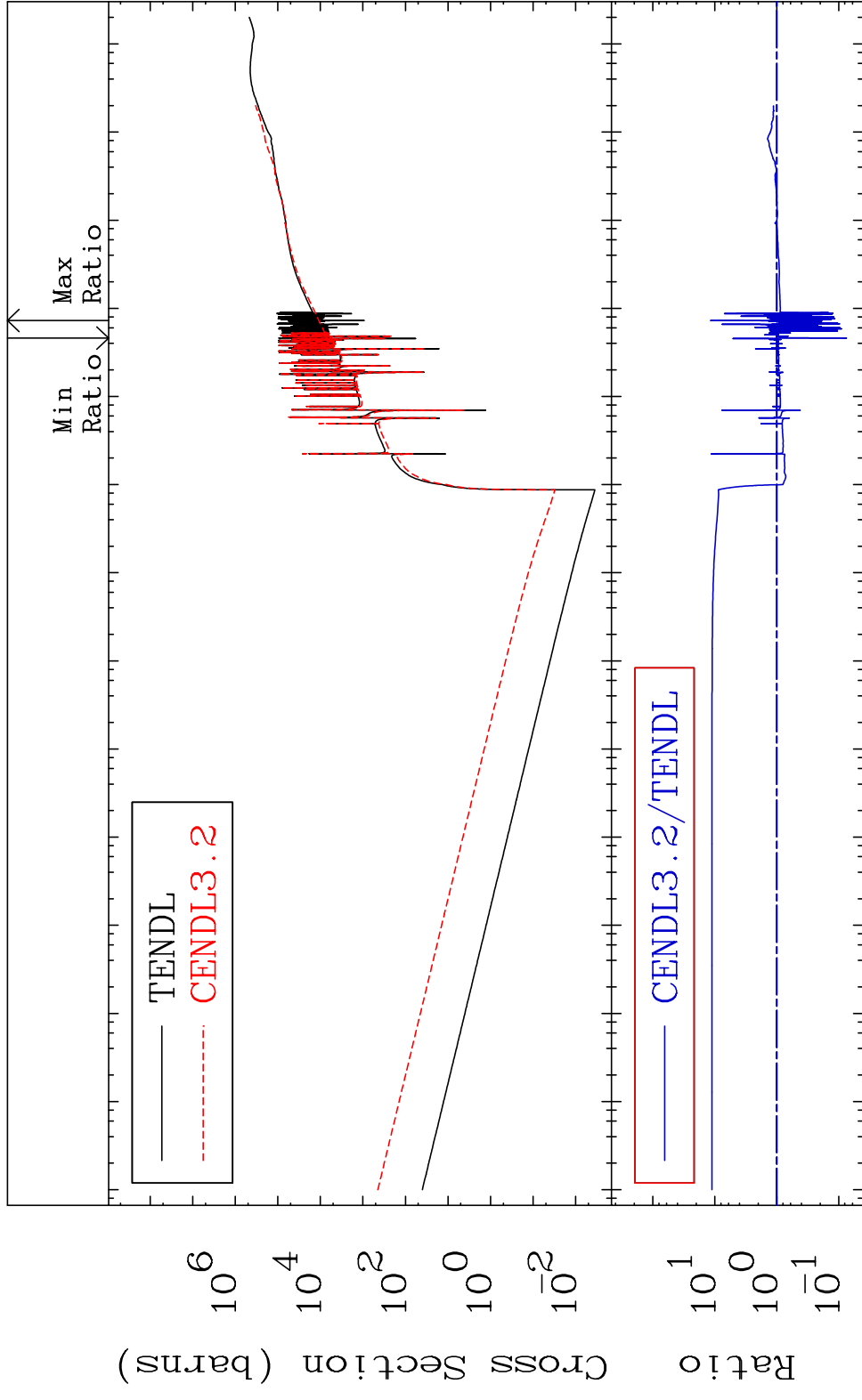
40 Incident Energy (eV) 40-Zr-94

MAT 4037 Total kinematic kerma (high limit) 40-Zr-94  
 Cross Section -92.30 To 1066. %



41 Incident Energy (eV) 40-Zr-94

MAT 4037      Dpa total (eV-barns)      40-Zr-94  
 Cross Section      -92.43 To 1066. %



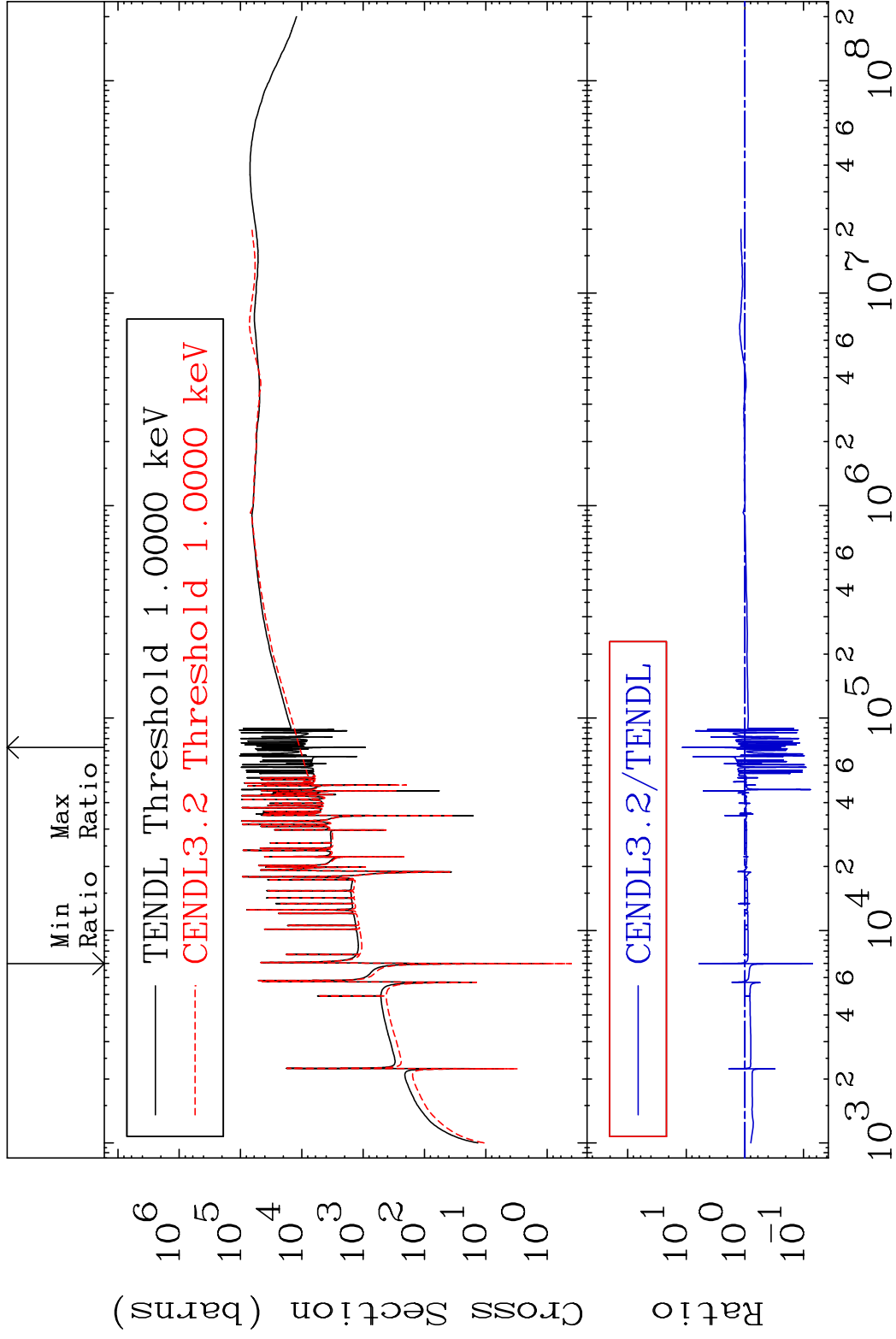
42      Incident Energy (eV)      40-Zr-94

MAT 4037

Dpa elastic (mt2)

40-Zr-94

Cross Section -93.01 To 1066. %



43

Incident Energy (eV)

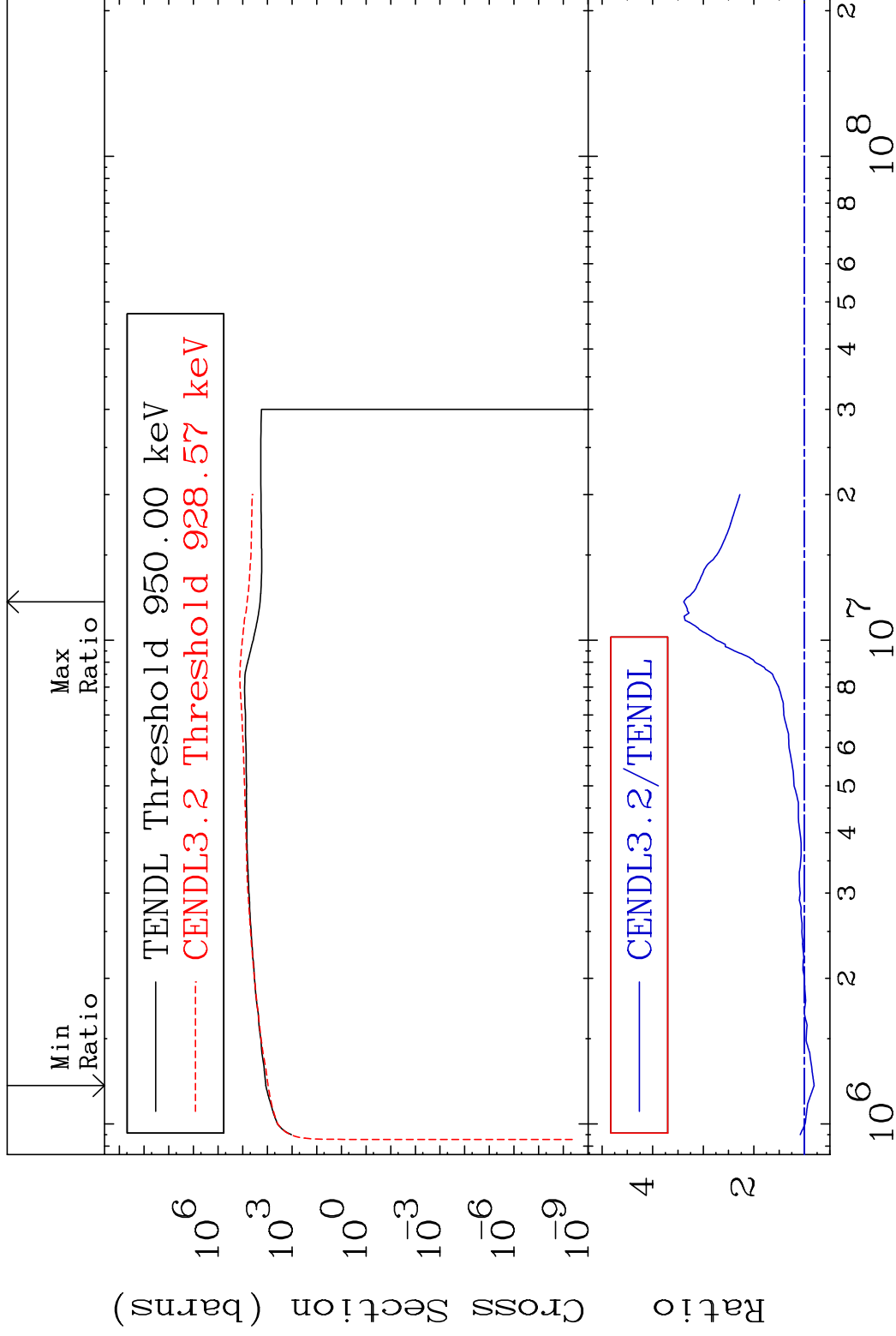
40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)

40-Zr-94

Cross Section -19.13 To 238.7 %

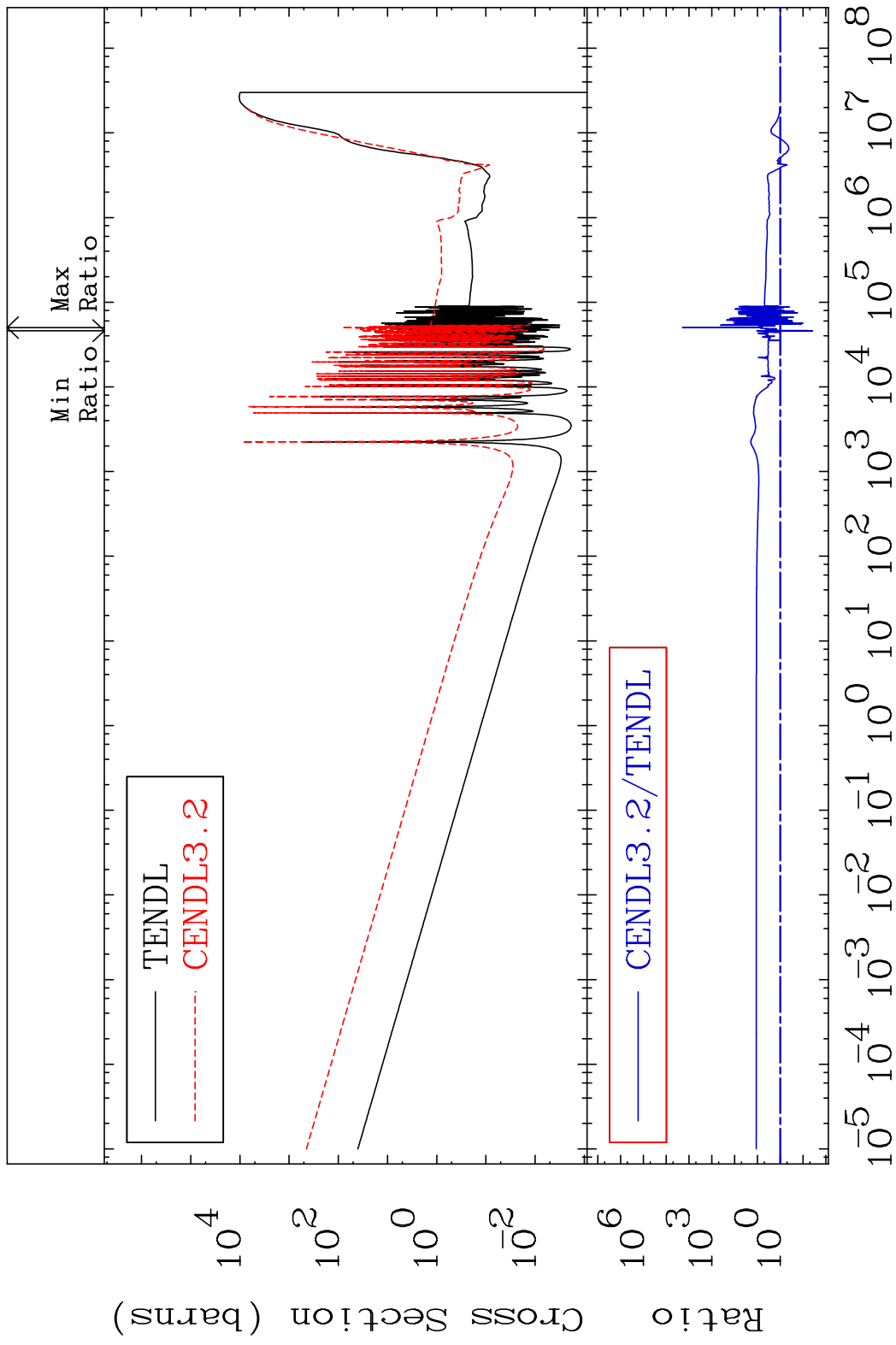


44

Incident Energy (eV)

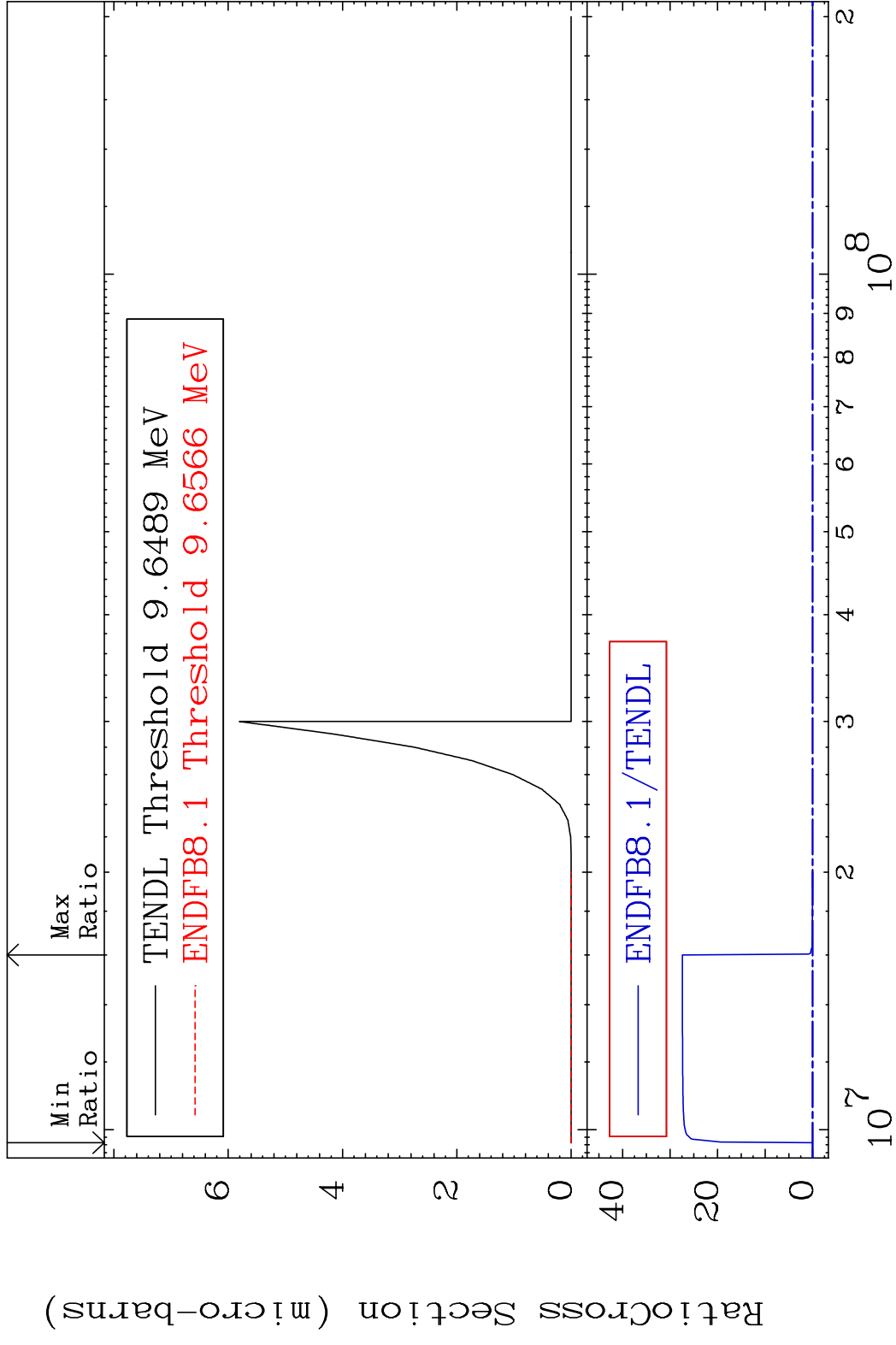
40-Zr-94

MAT 4037 Dpa disappearance (mt102 -120) 40-Zr-94  
 Cross Section -96.17 To 9999. %



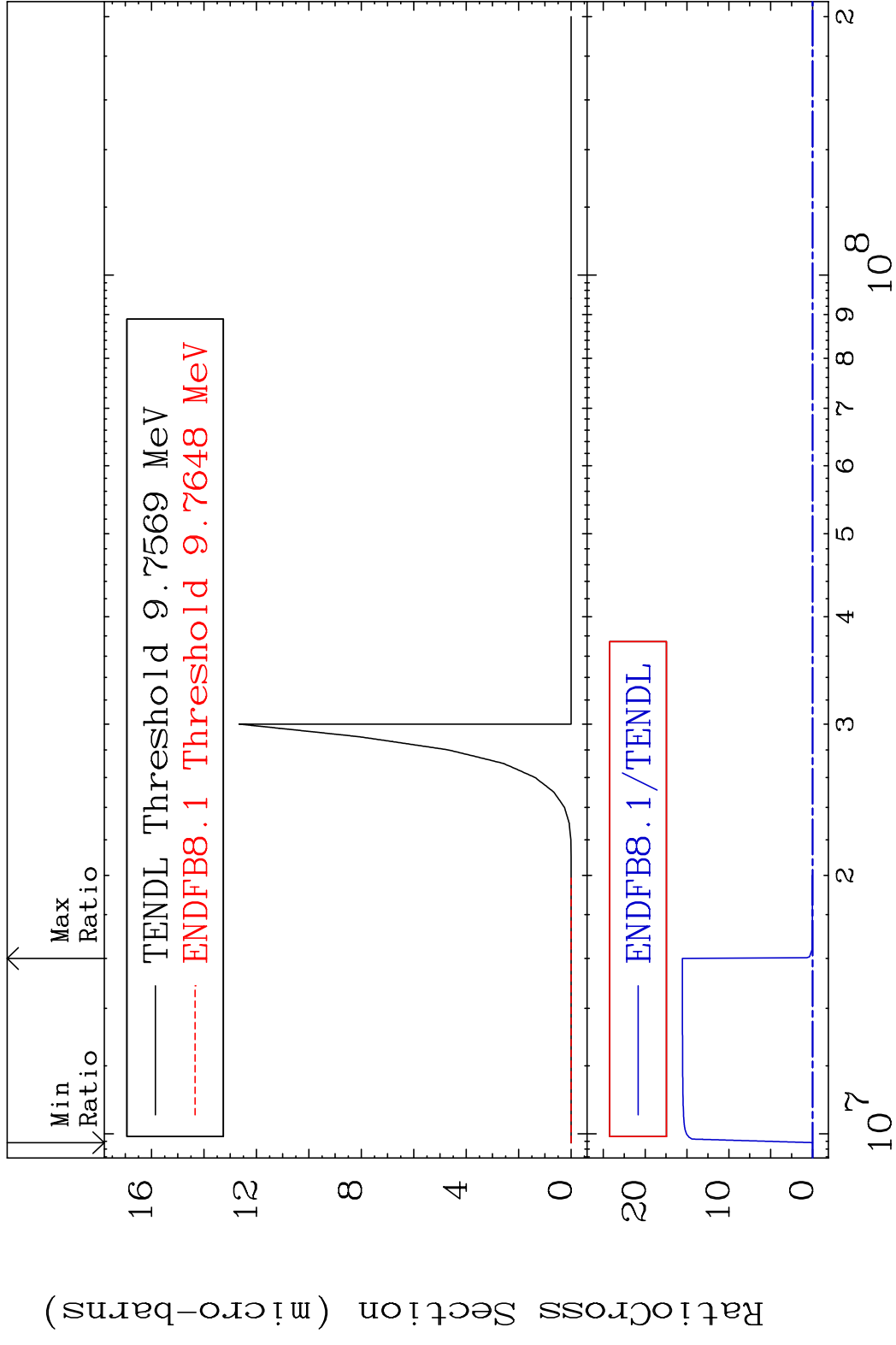
45 Incident Energy (eV) 40-Zr-94

MAT 4037 (n, p)  $\alpha$ :37-Rb-90g 40-Zr-94  
 Radionuclide Production Cross Section to 9999. %



46 Incident Energy (eV) 40-Zr-94

MAT 4037 (n,p)  $\alpha$ :37-Rb-90m1 40-Zr-94  
 Radionuclide Production Cross Section 18000 d10 9999. %



47 Incident Energy (eV) 40-Zr-94