

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

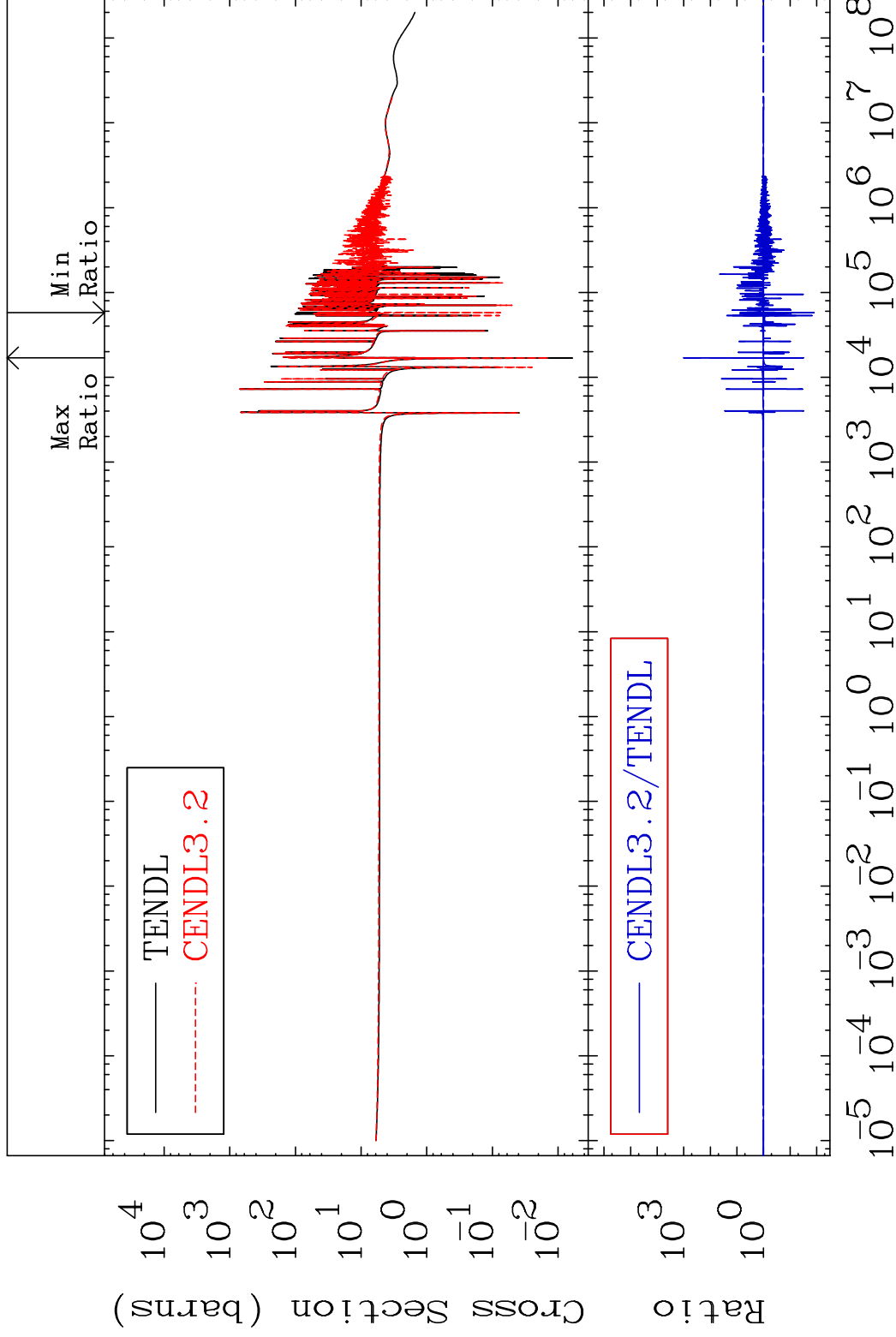
MAT 4025

Total

40-Zr-90

Cross Section

-98.75 To 9999. %



1

Incident Energy (eV)

40-Zr-90

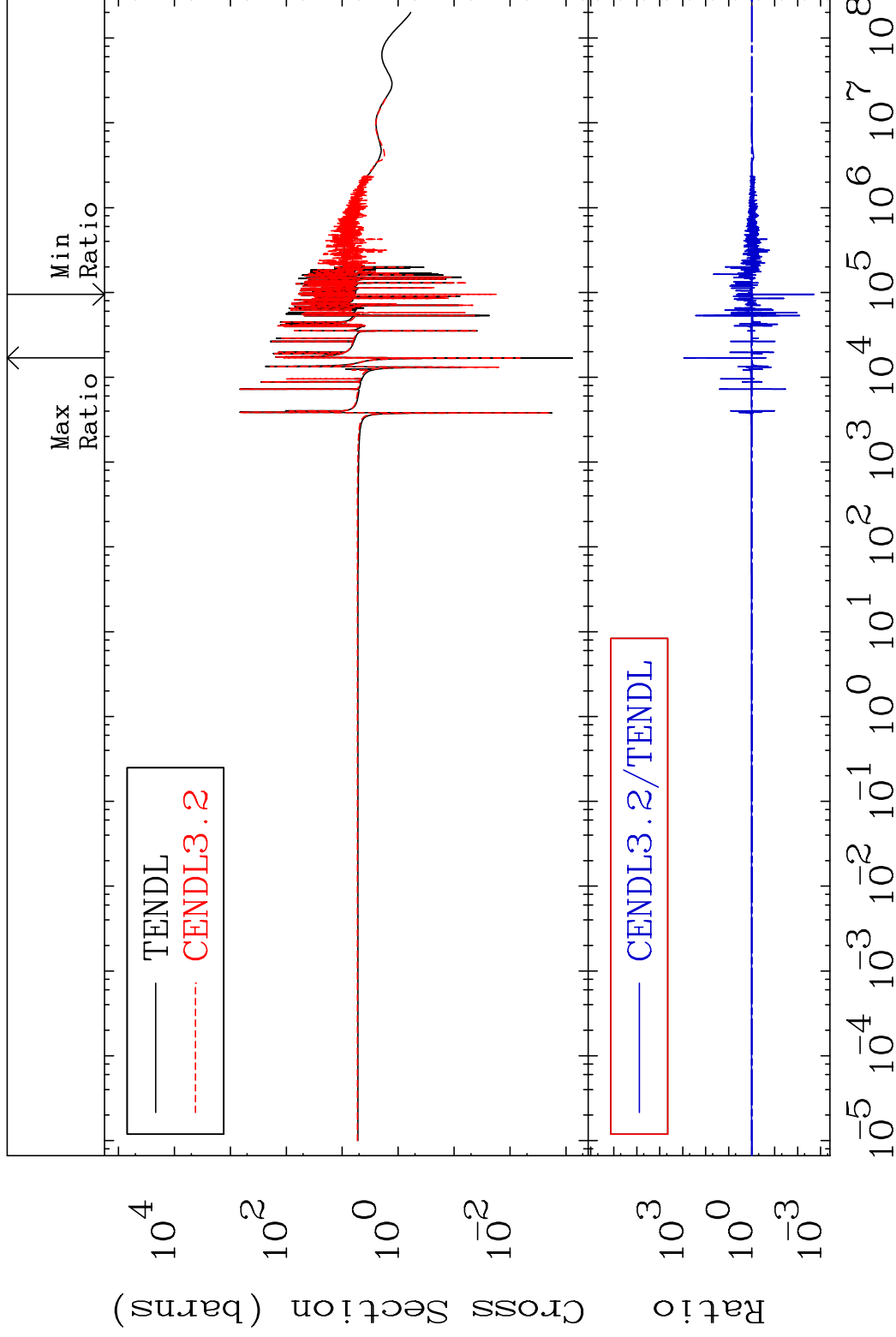
MAT 4025

Elastic

40-Zr-90

Cross Section

-99.81 To 9999. %

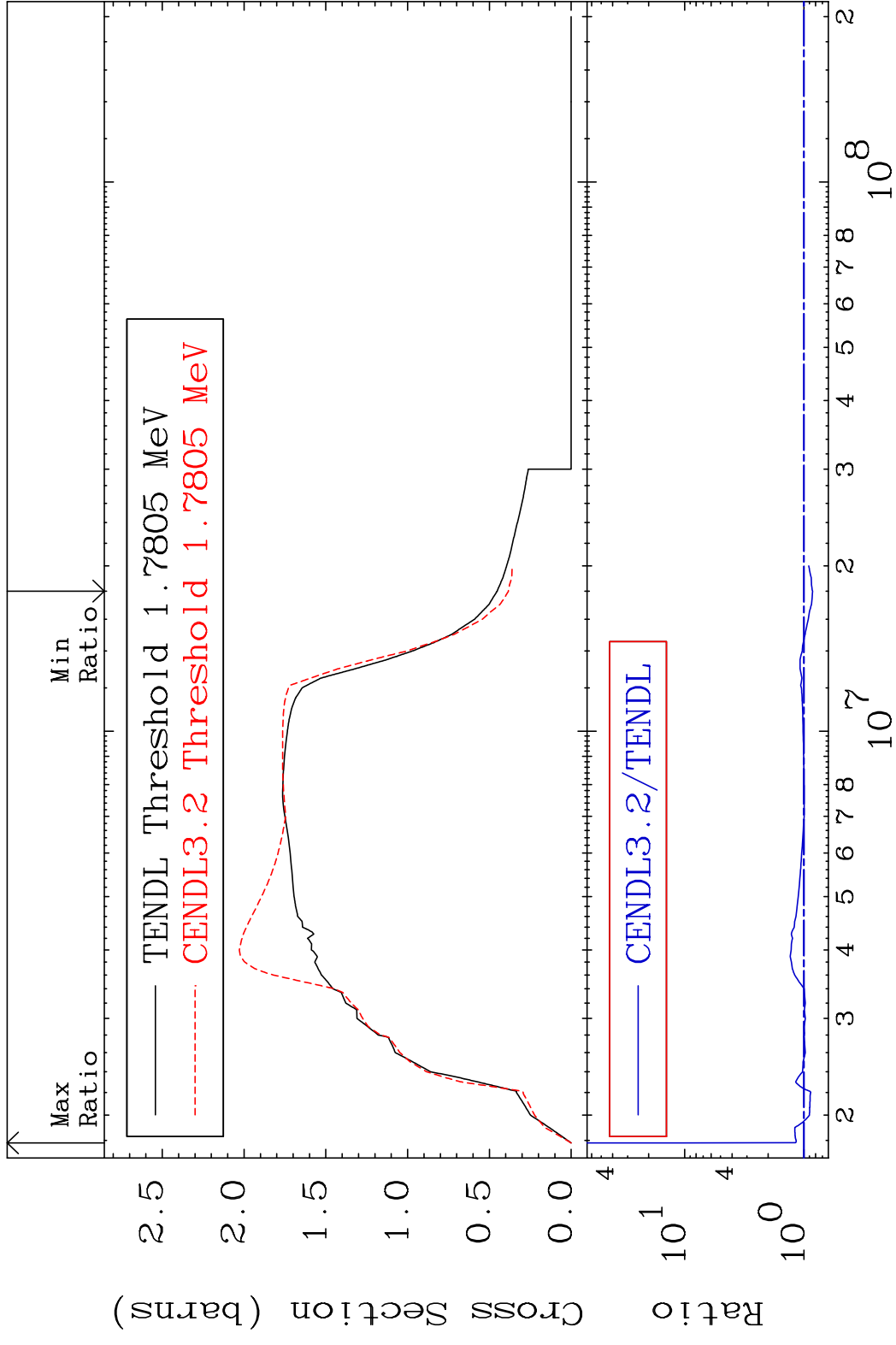


2

Incident Energy (eV)

40-Zr-90

MAT 4025 Inelastic 40-Zr-90  
 Cross Section -15.26 To 943.8 %



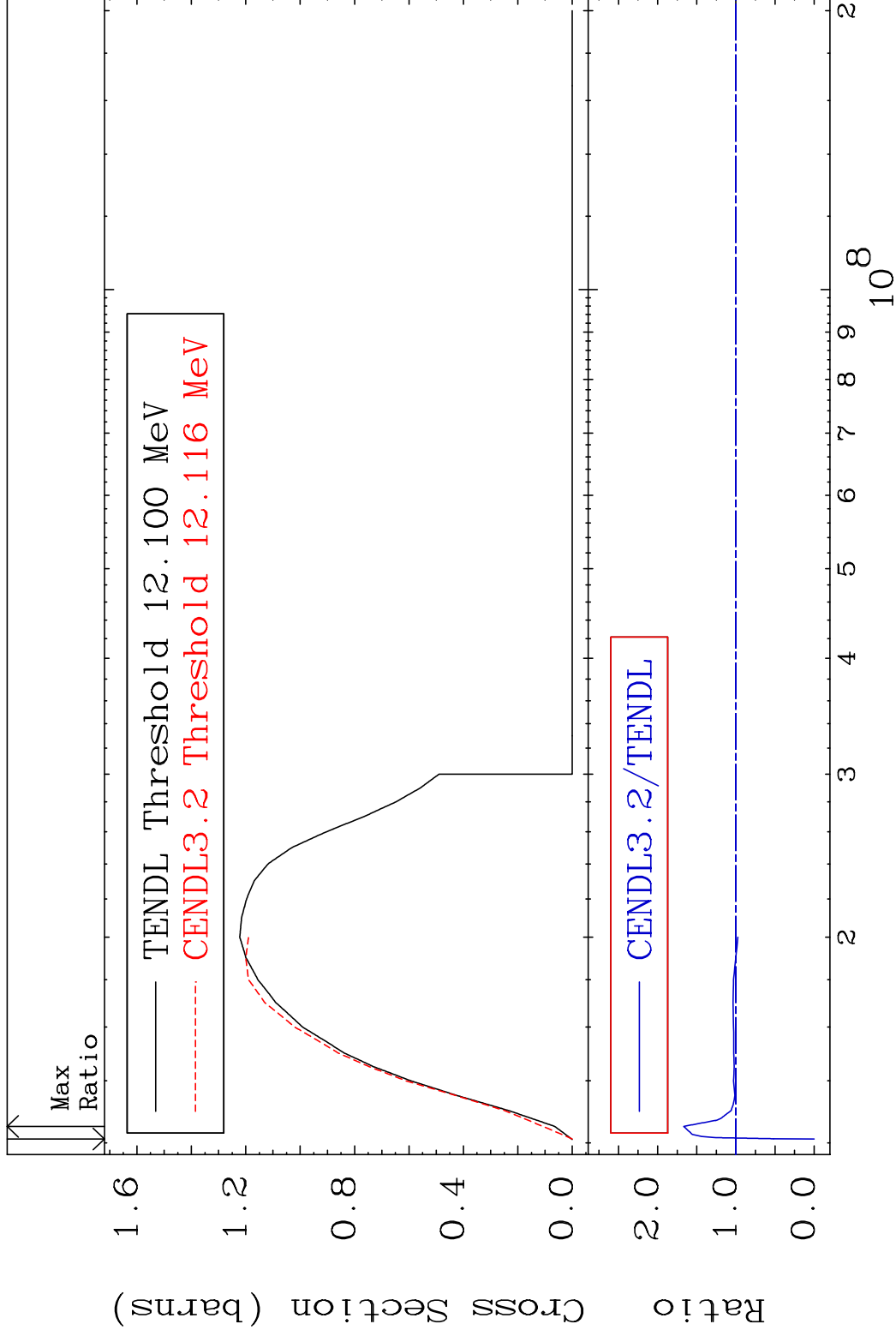
3 Incident Energy (eV) 40-Zr-90

MAT 4025

(n,2n)

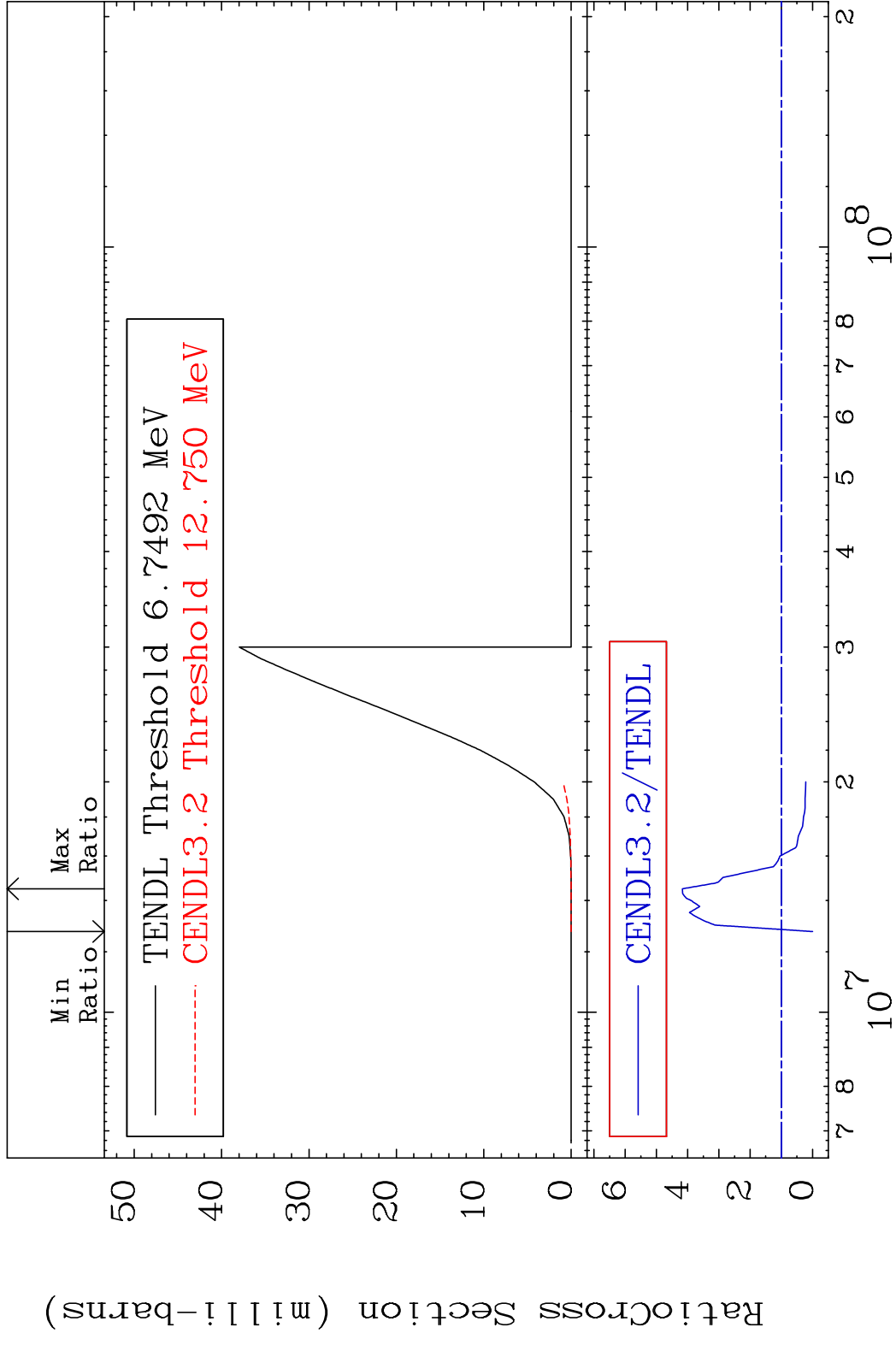
40-Zr-90

Cross Section -100.0 To 66.74 %



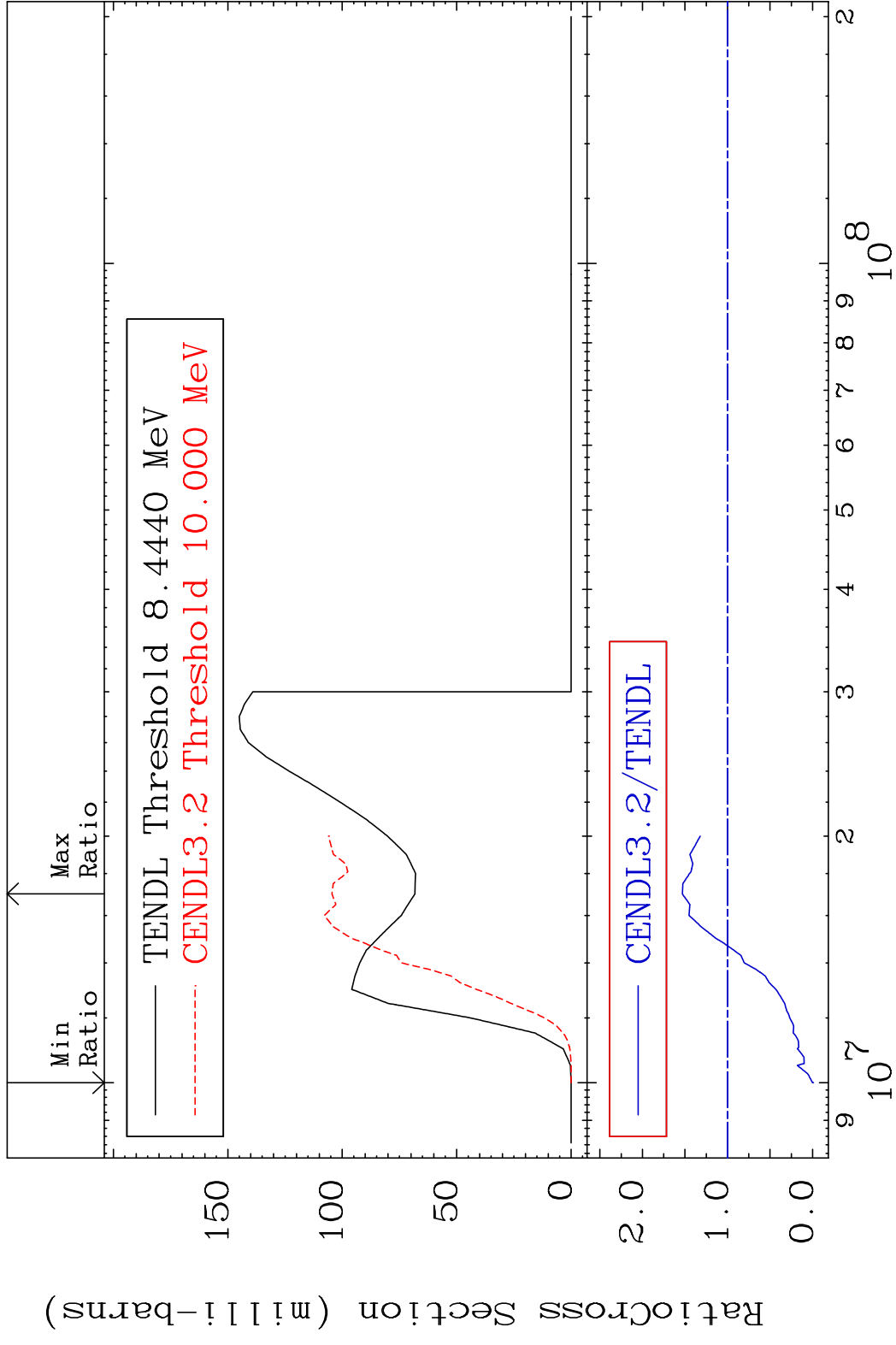
4

MAT 4025 (n, n')  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 317.0 %



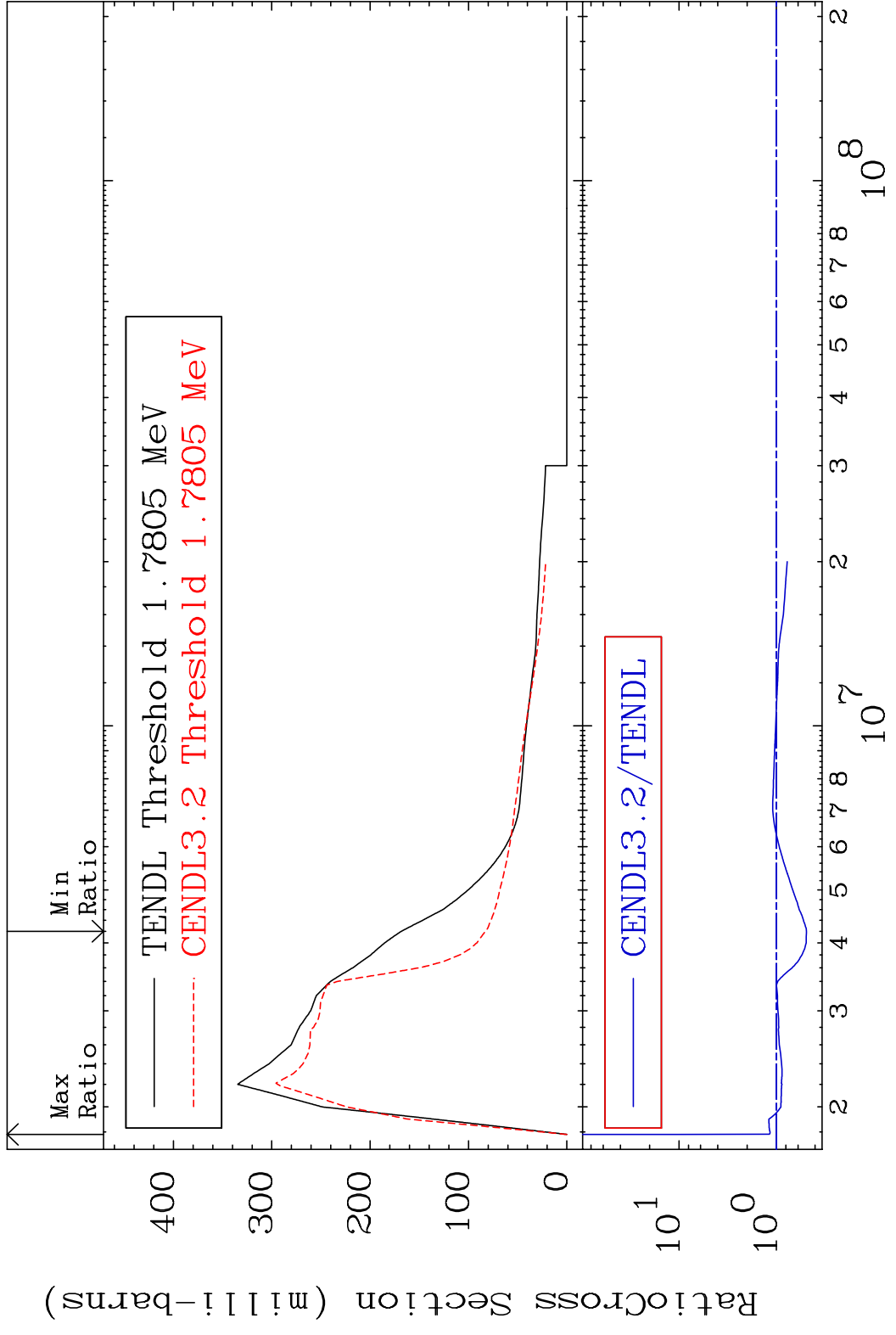
5 40-Zr-90

MAT 4025 (n, n') p 40-Zr-90  
 Cross Section -100.0 To 53.07 %

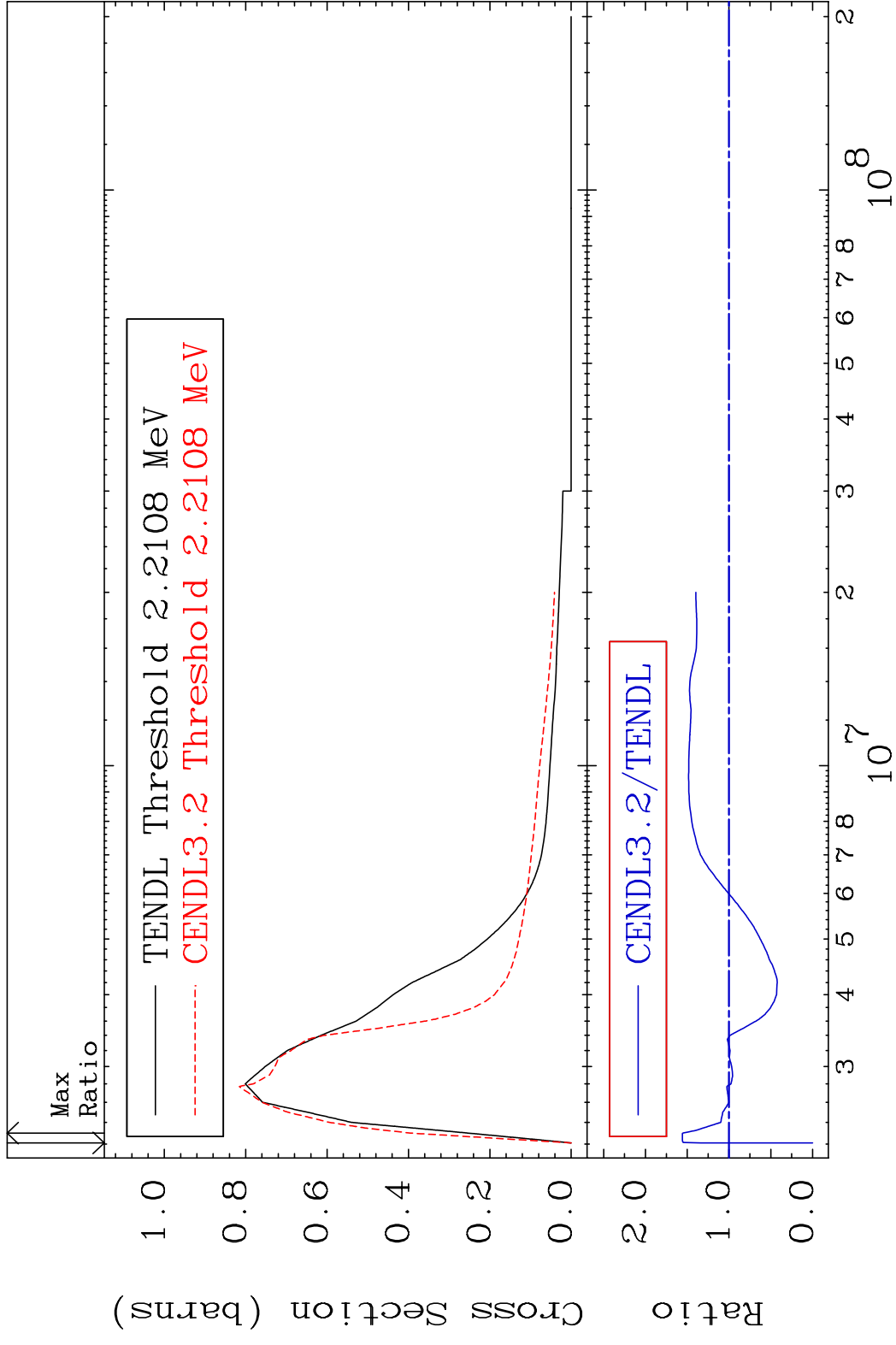


6 40-Zr-90

MAT 4025 MT= 51 (n,n') Level 40-Zr-90  
 Cross Section -50.81 To 943.8 %

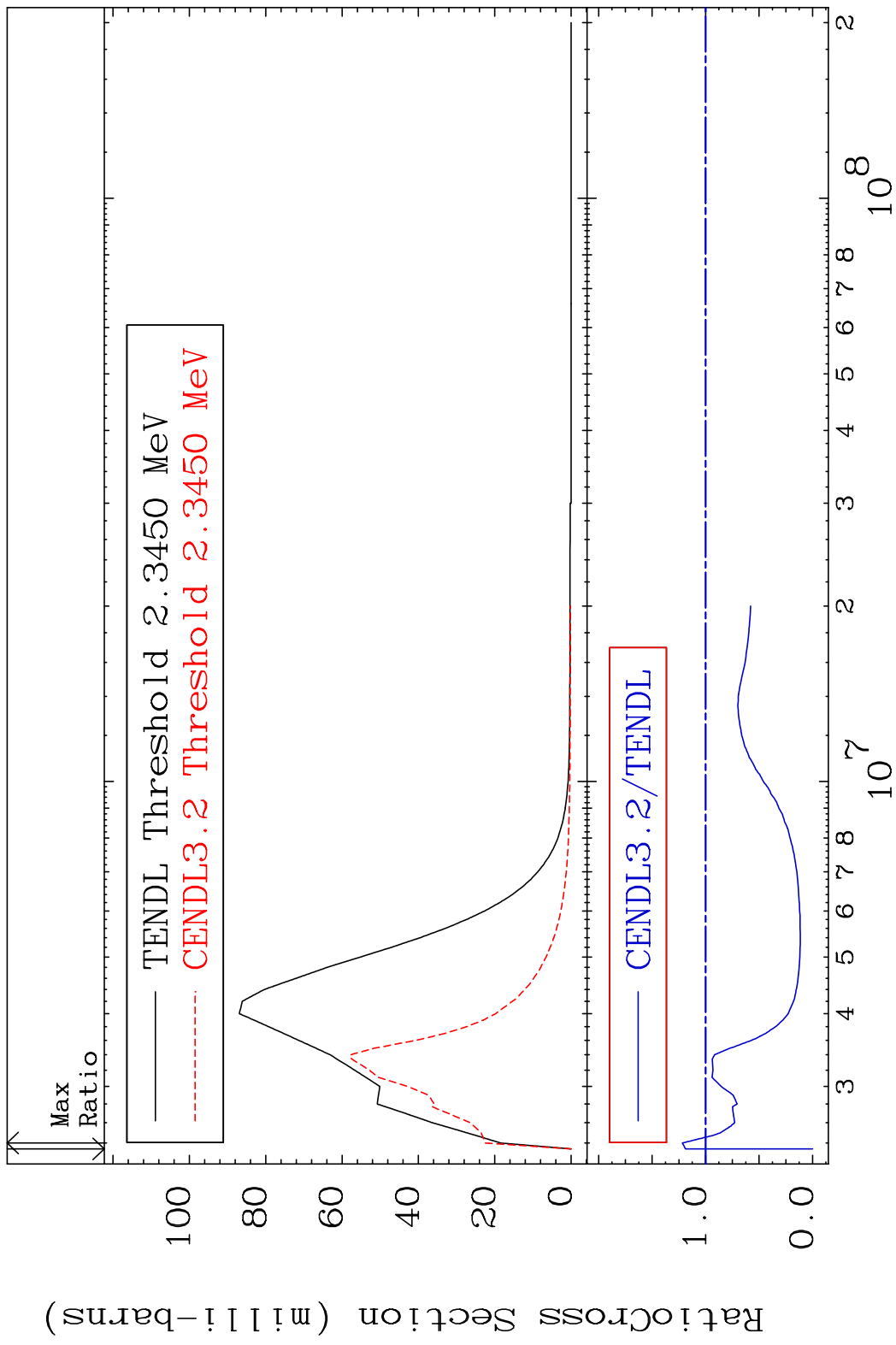


MAT 4025 MT= 52 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 55.81 %

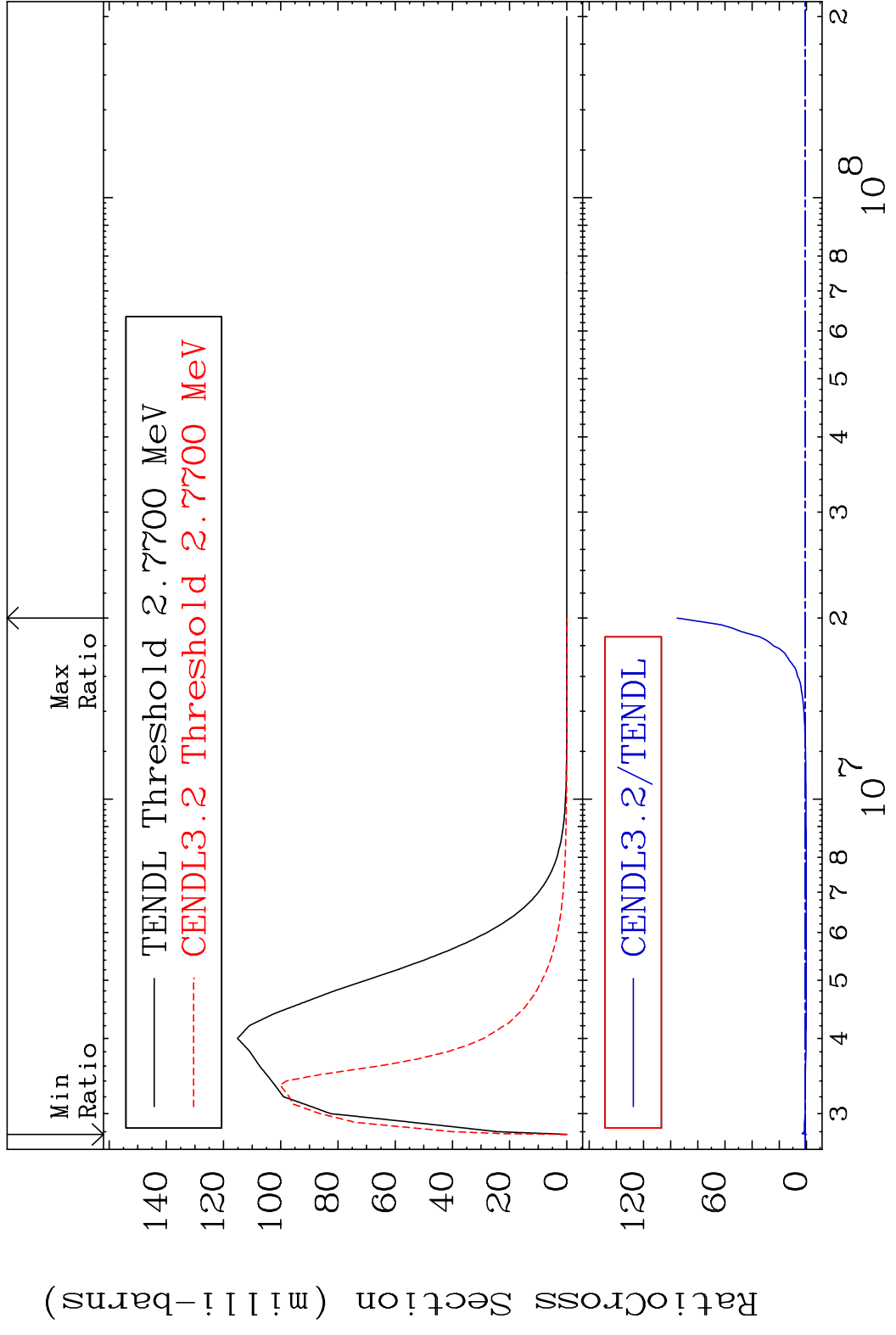


8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 21.73 %

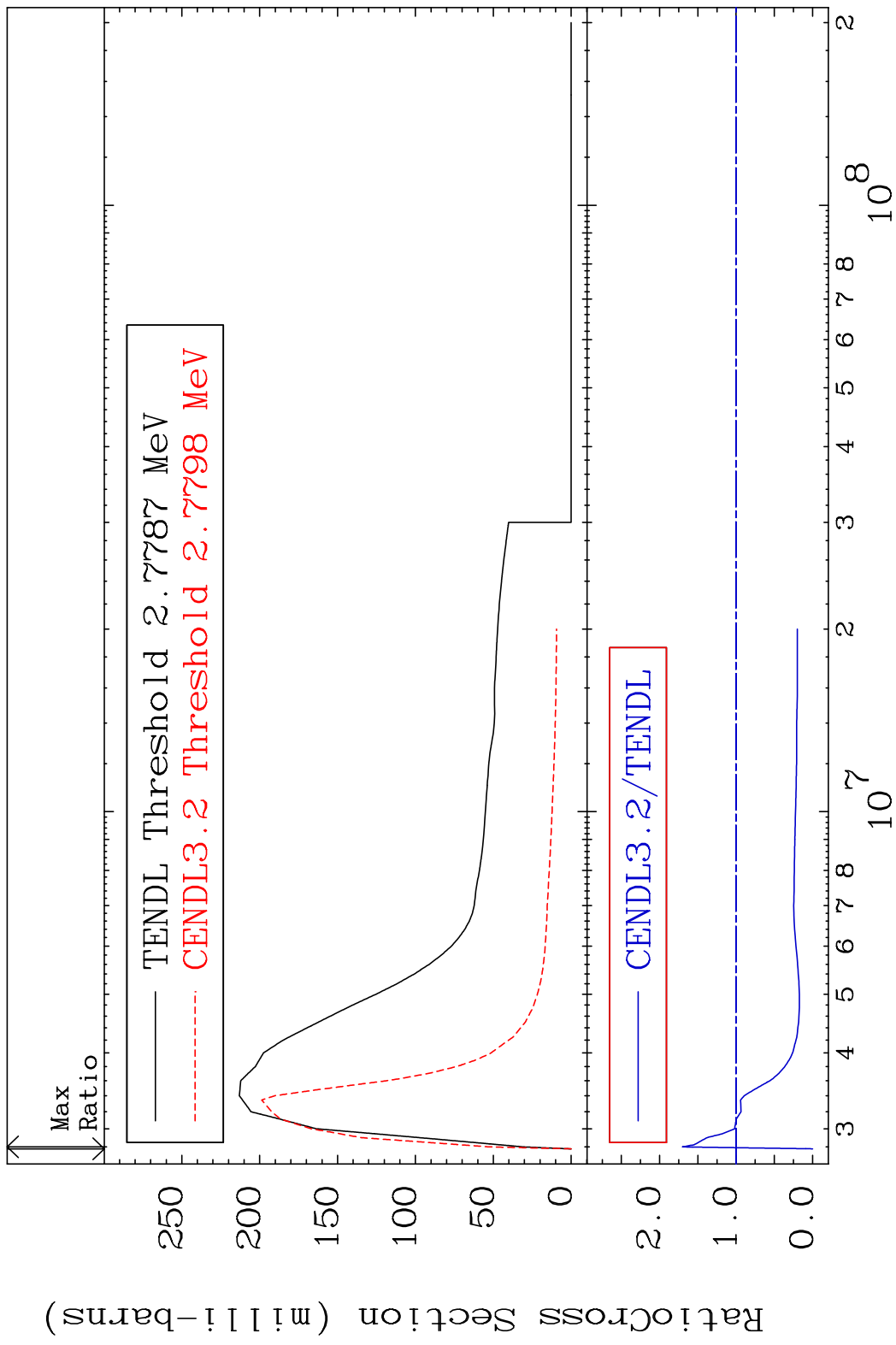


MAT 4025 MT= 54 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 9418. %

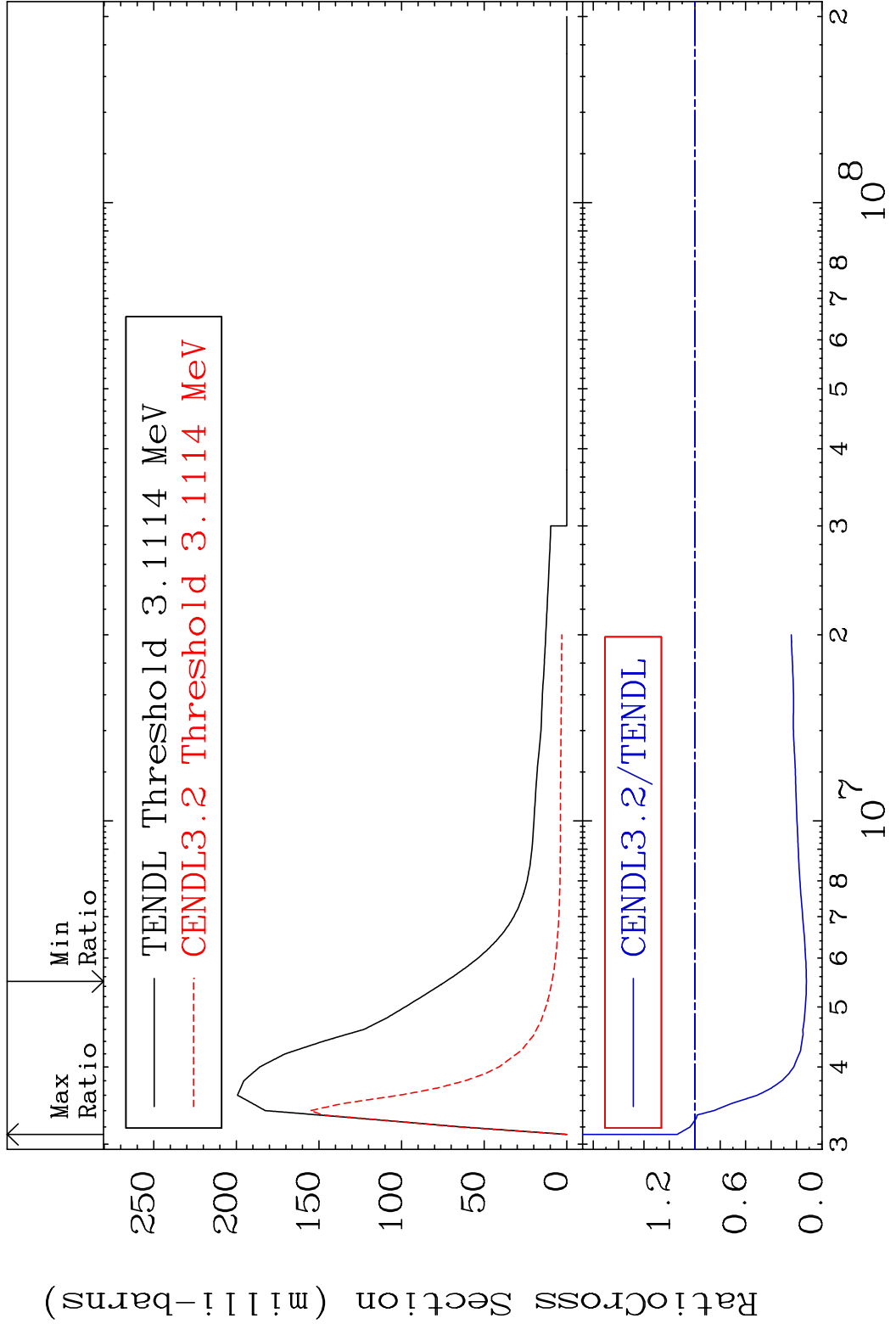


10 Incident Energy (eV) 40-Zr-90

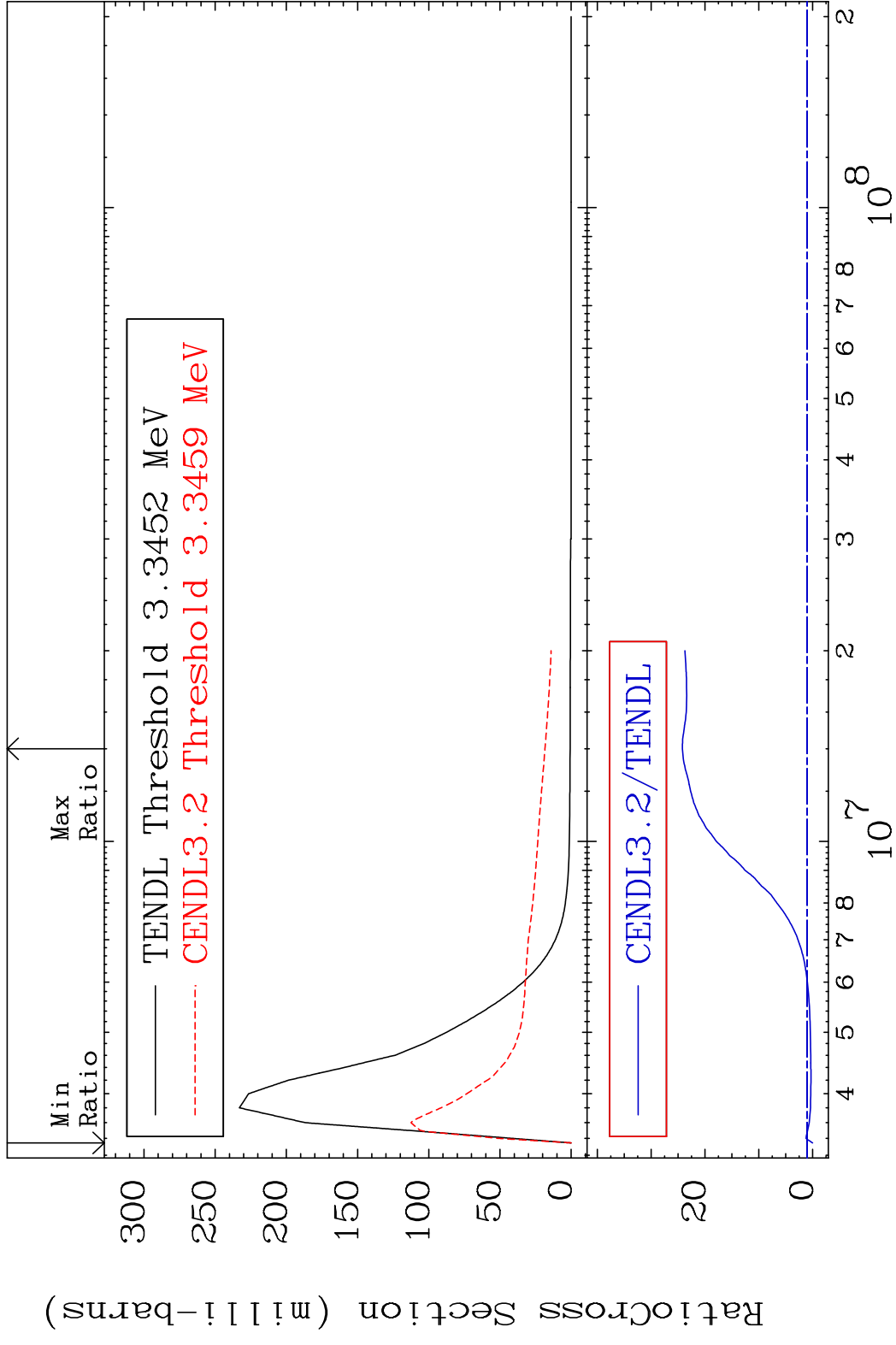
MAT 4025 MT= 55 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 70.26 %



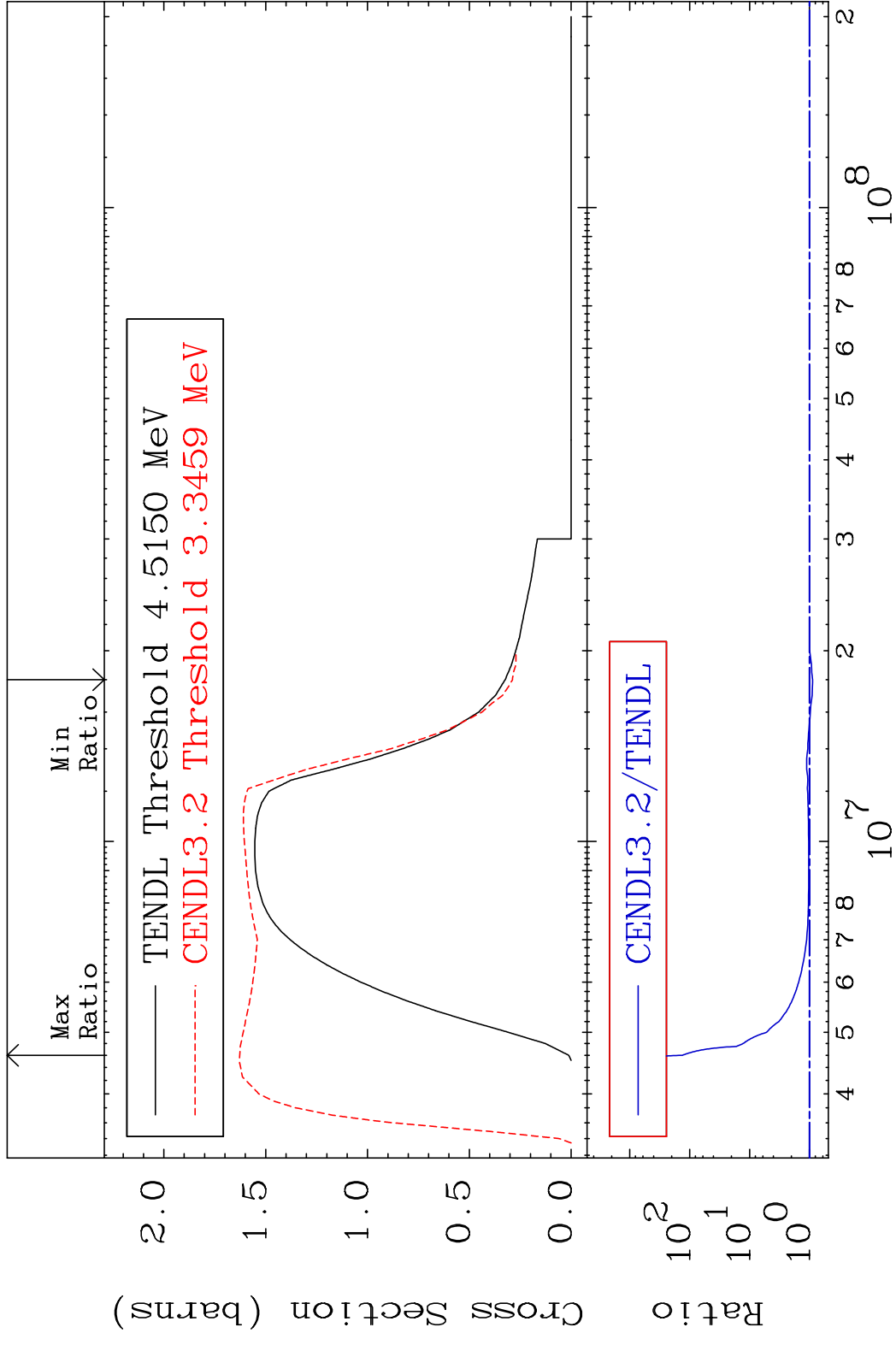
MAT 4025 MT= 56 (n,n') Level 40-Zr-90  
 Cross Section -87.82 To 13.86 %



MAT 4025 MT= 57 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 2319. %



MAT 4025 (n,n') Continuum 40-Zr-90  
 Cross Section -11.13 To 9999. %

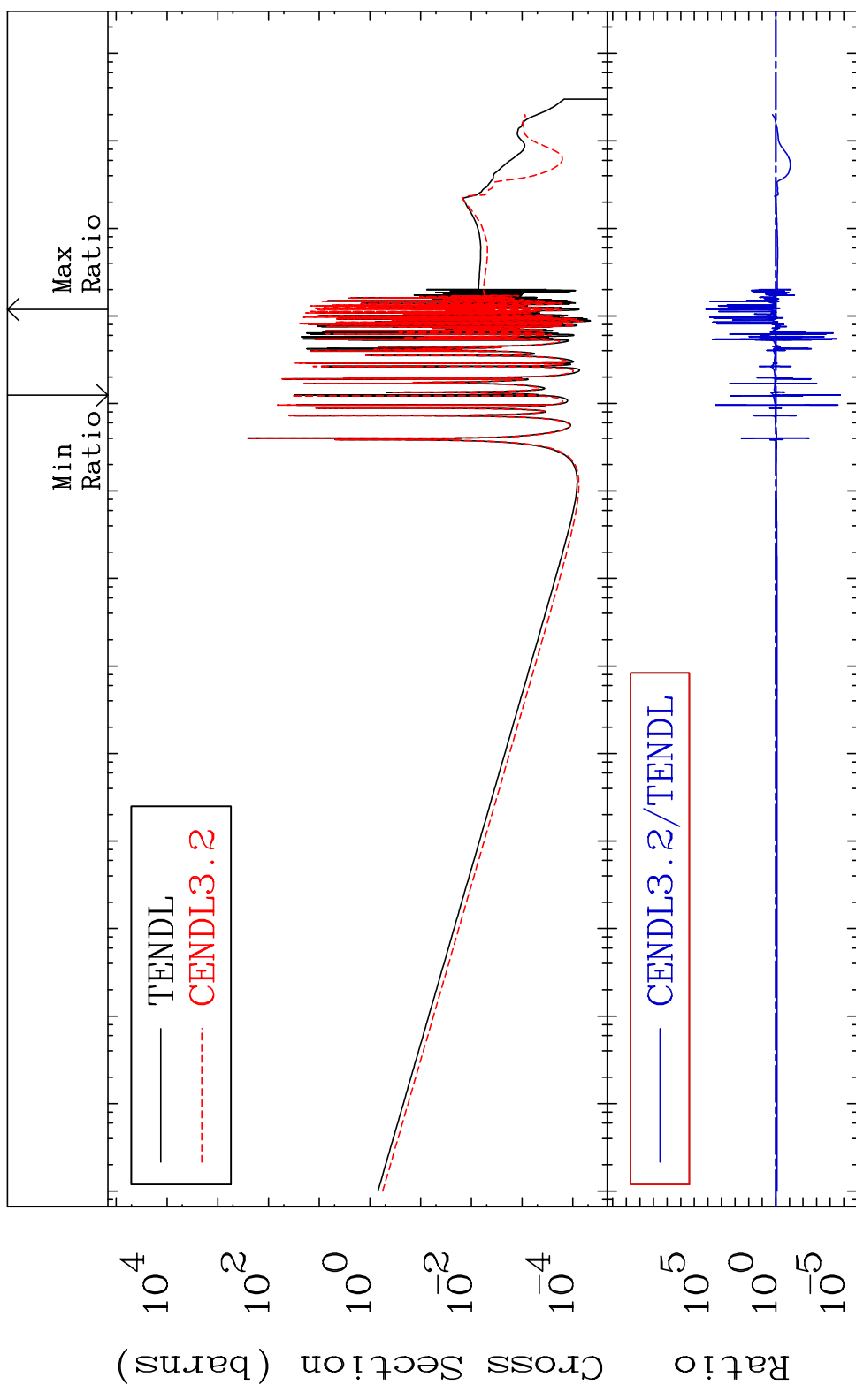


MAT 4025

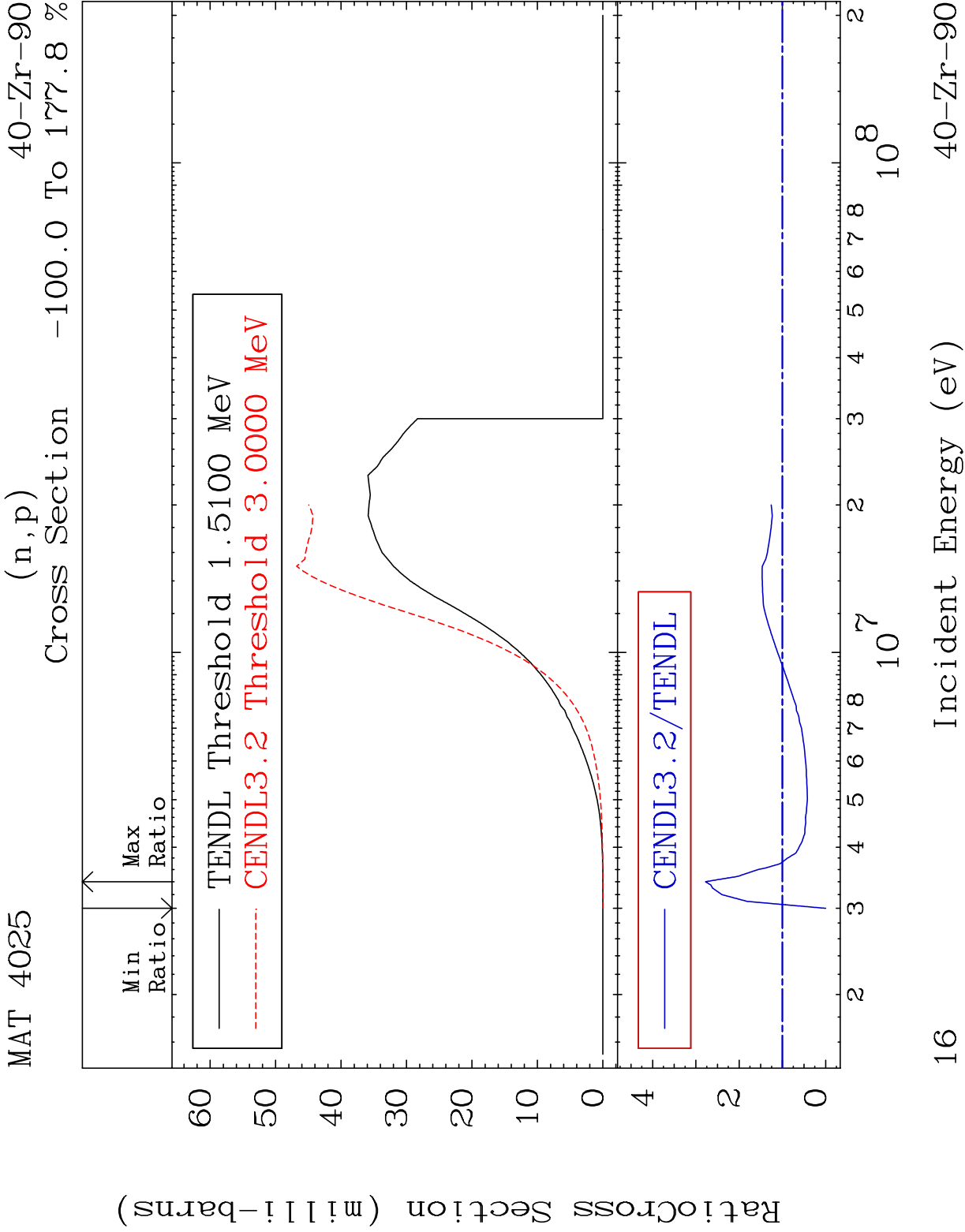
(n,  $\gamma$ )

40-Zr-90

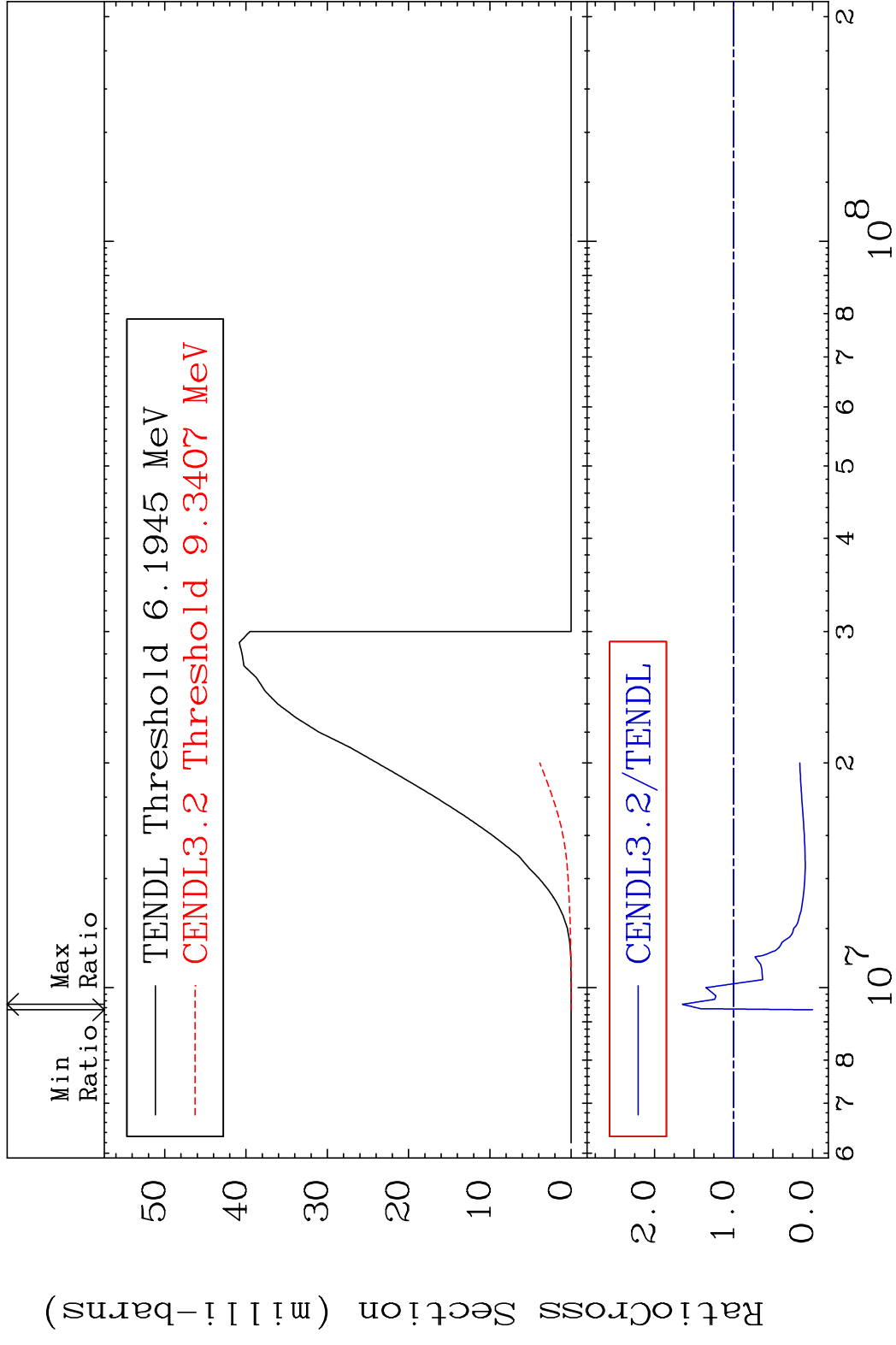
Cross Section -100.0 To 9999. %



Incident Energy (eV) 40-Zr-90



MAT 4025 (n,d) 40-Zr-90  
 Cross Section -100.0 To 64.74 %

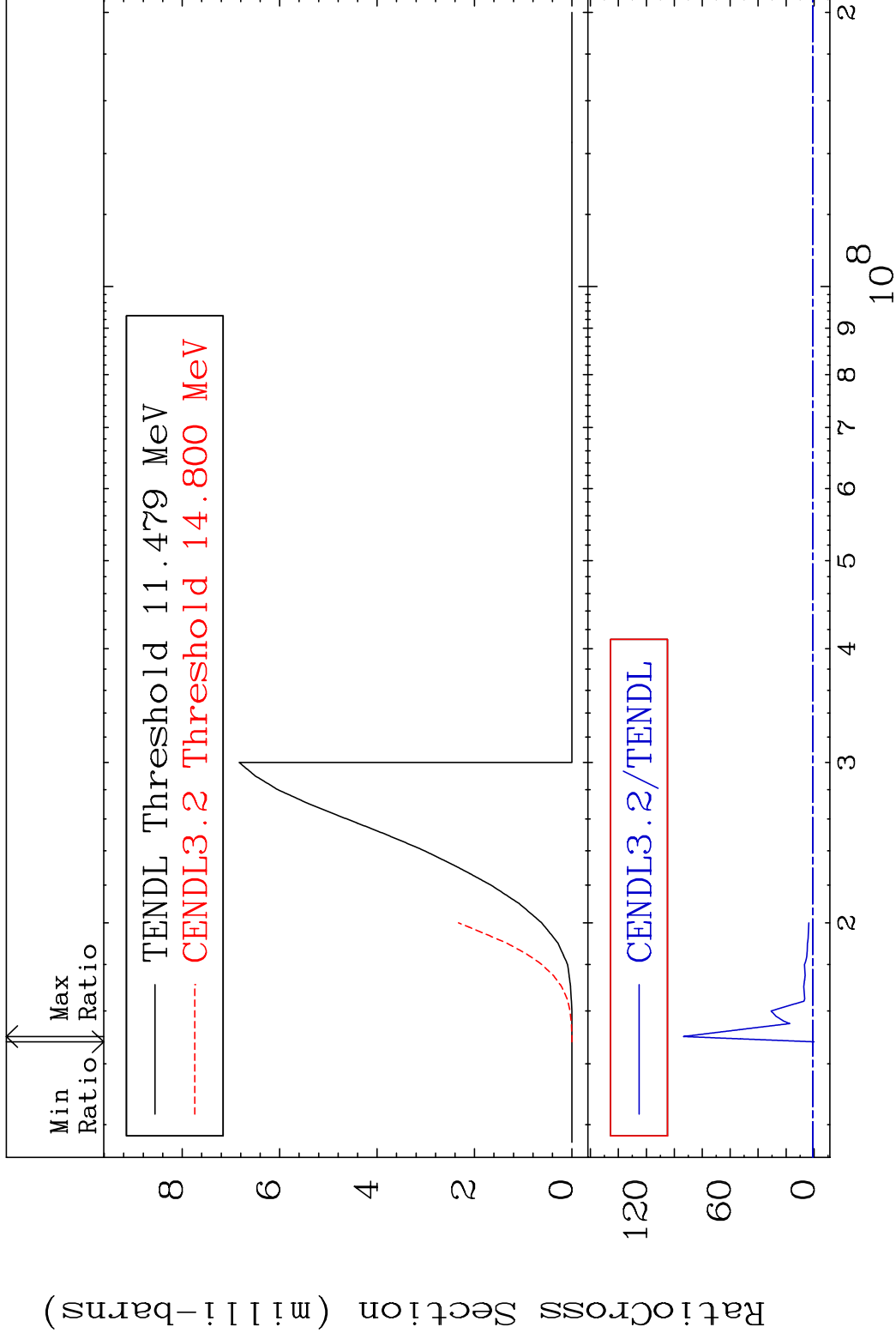


MAT 4025

(n, t)

40-Zr-90

Cross Section -100.0 To 9244. %



18

Incident Energy (eV)

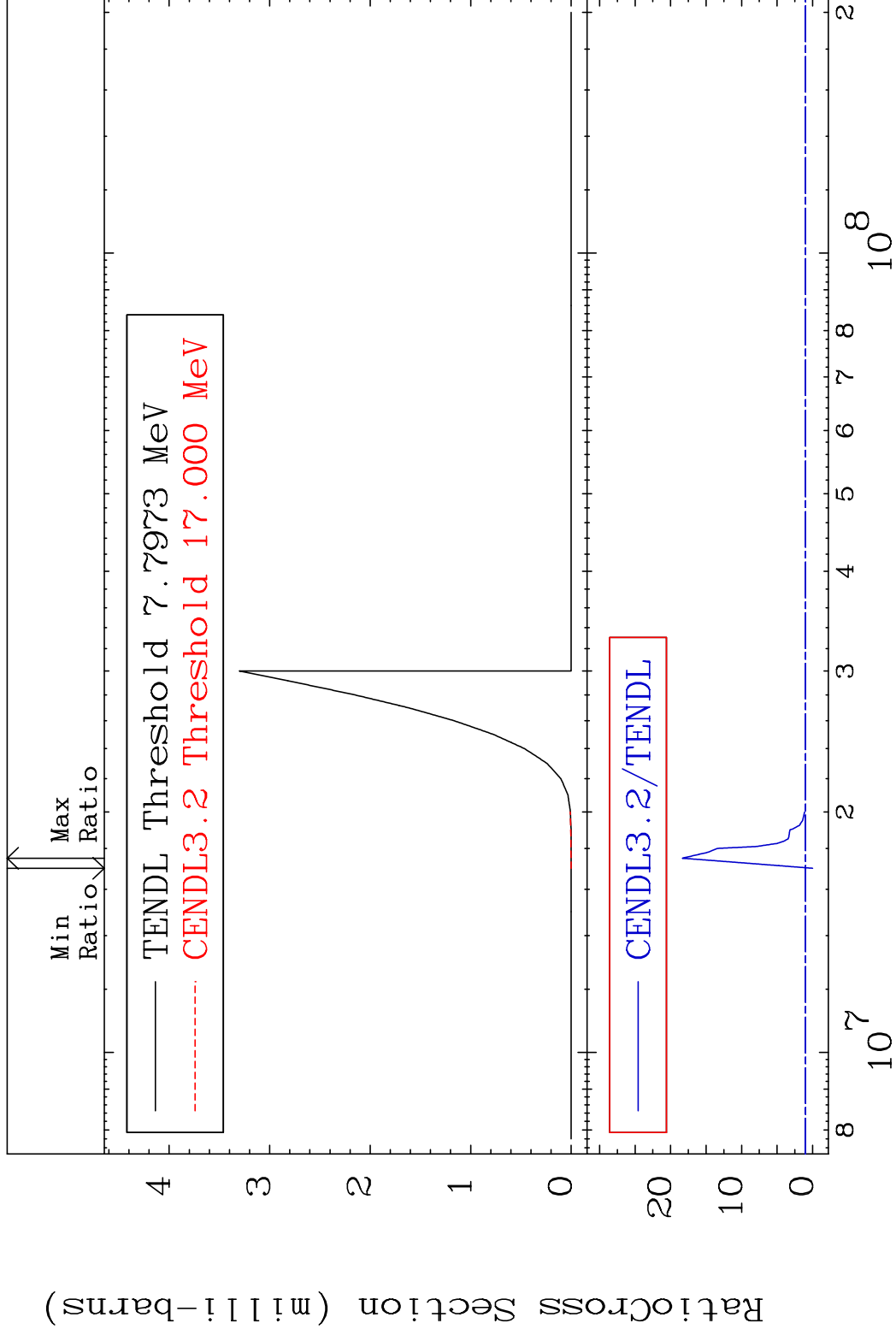
40-Zr-90

MAT 4025

(n, He-3)

40-Zr-90

Cross Section -100.0 To 1734. %



19

Incident Energy (eV)

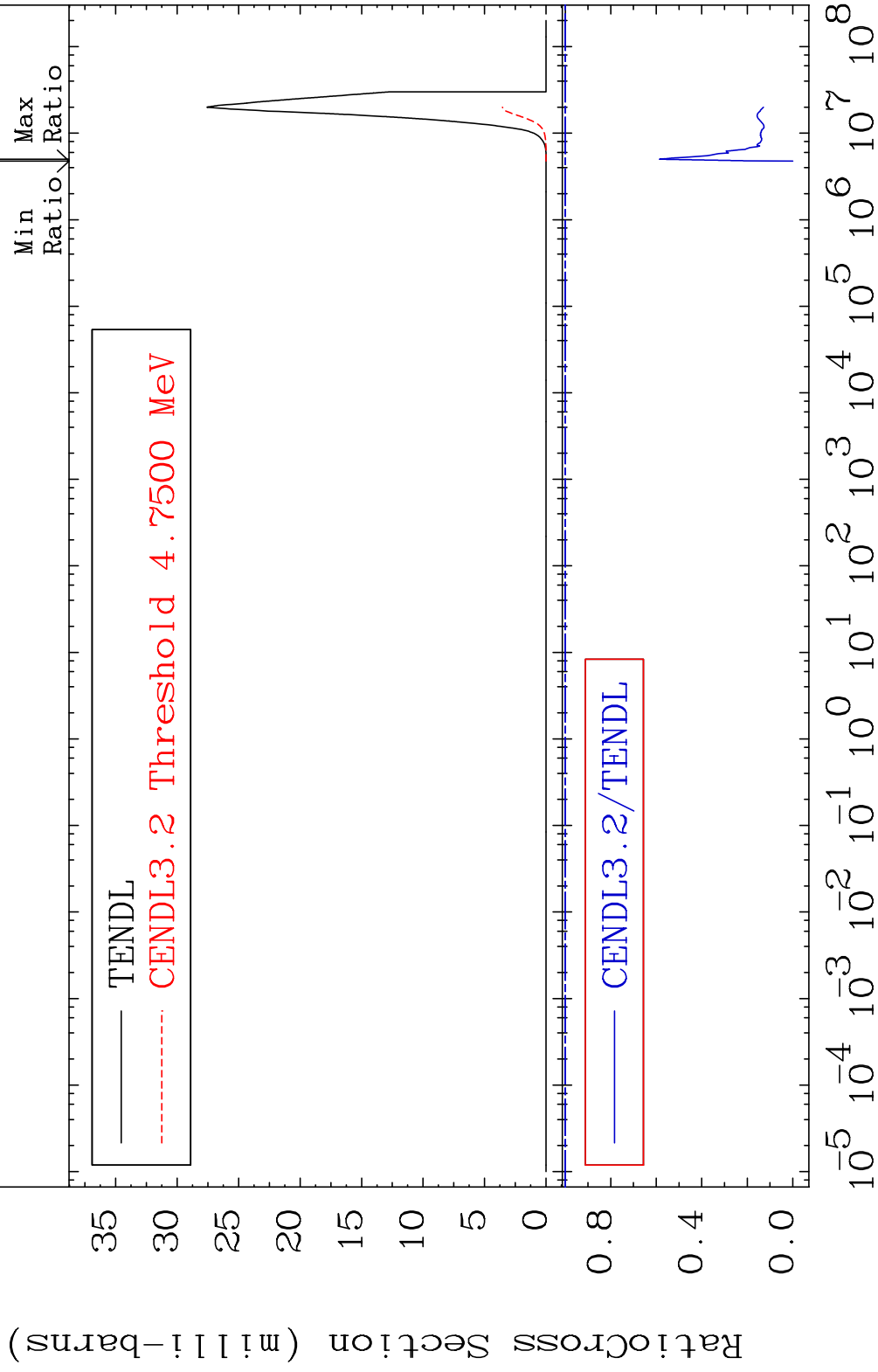
40-Zr-90

MAT 4025

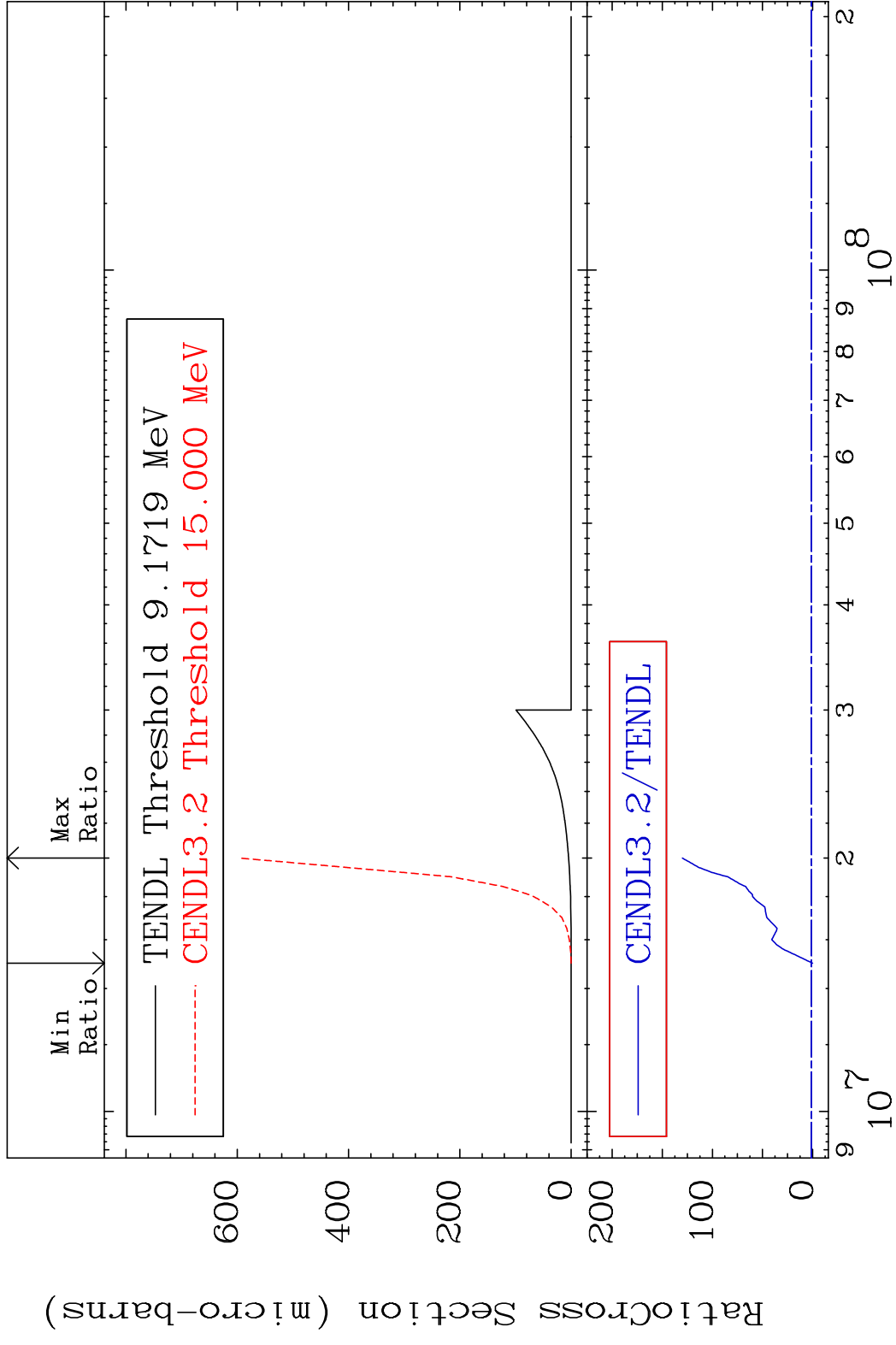
(n,  $\alpha$ )

40-Zr-90

Cross Section -100.0 To -41.52%

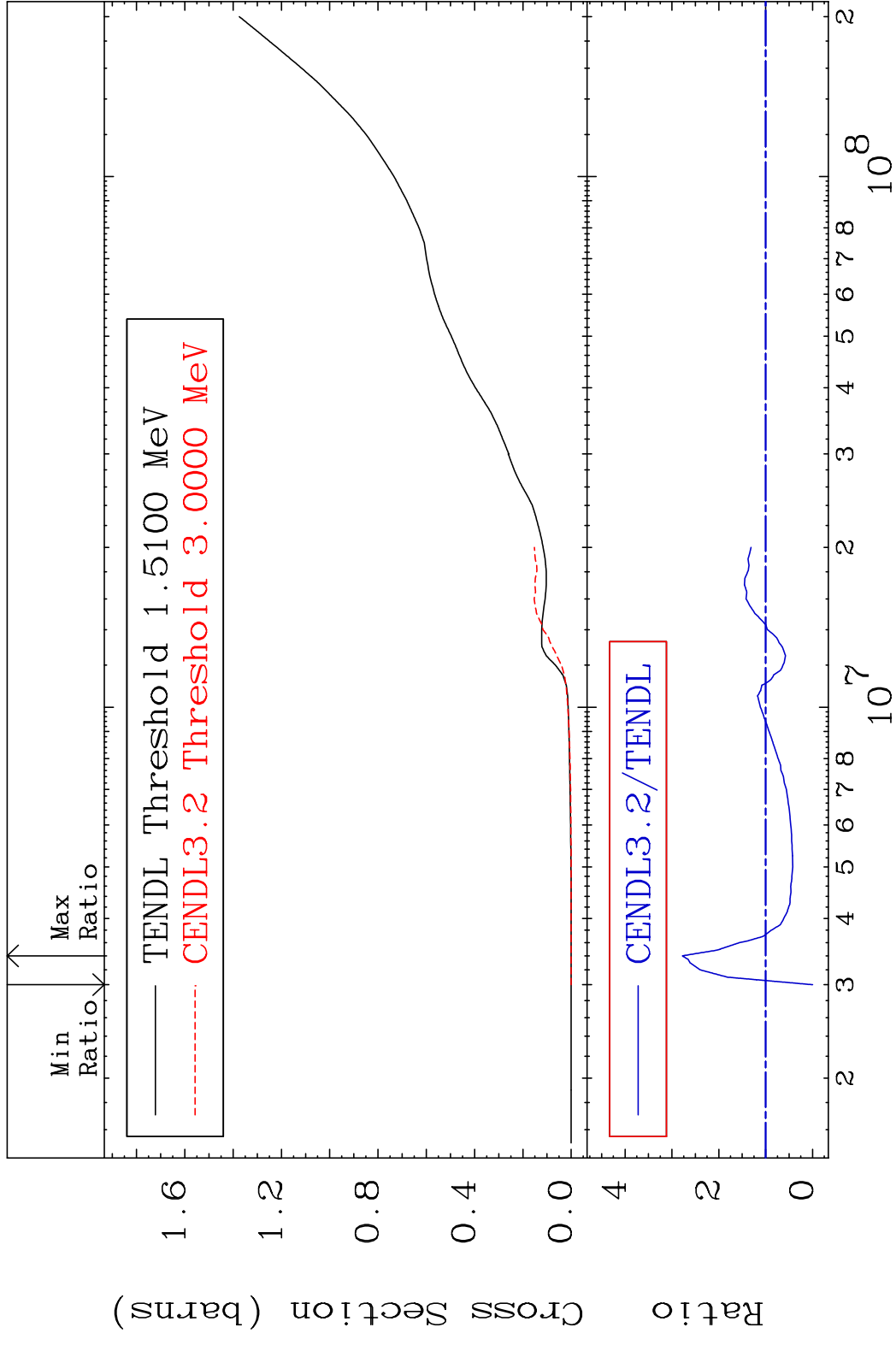


MAT 4025 (n,2p) 40-Zr-90  
 Cross Section -100.0 To 9999. %

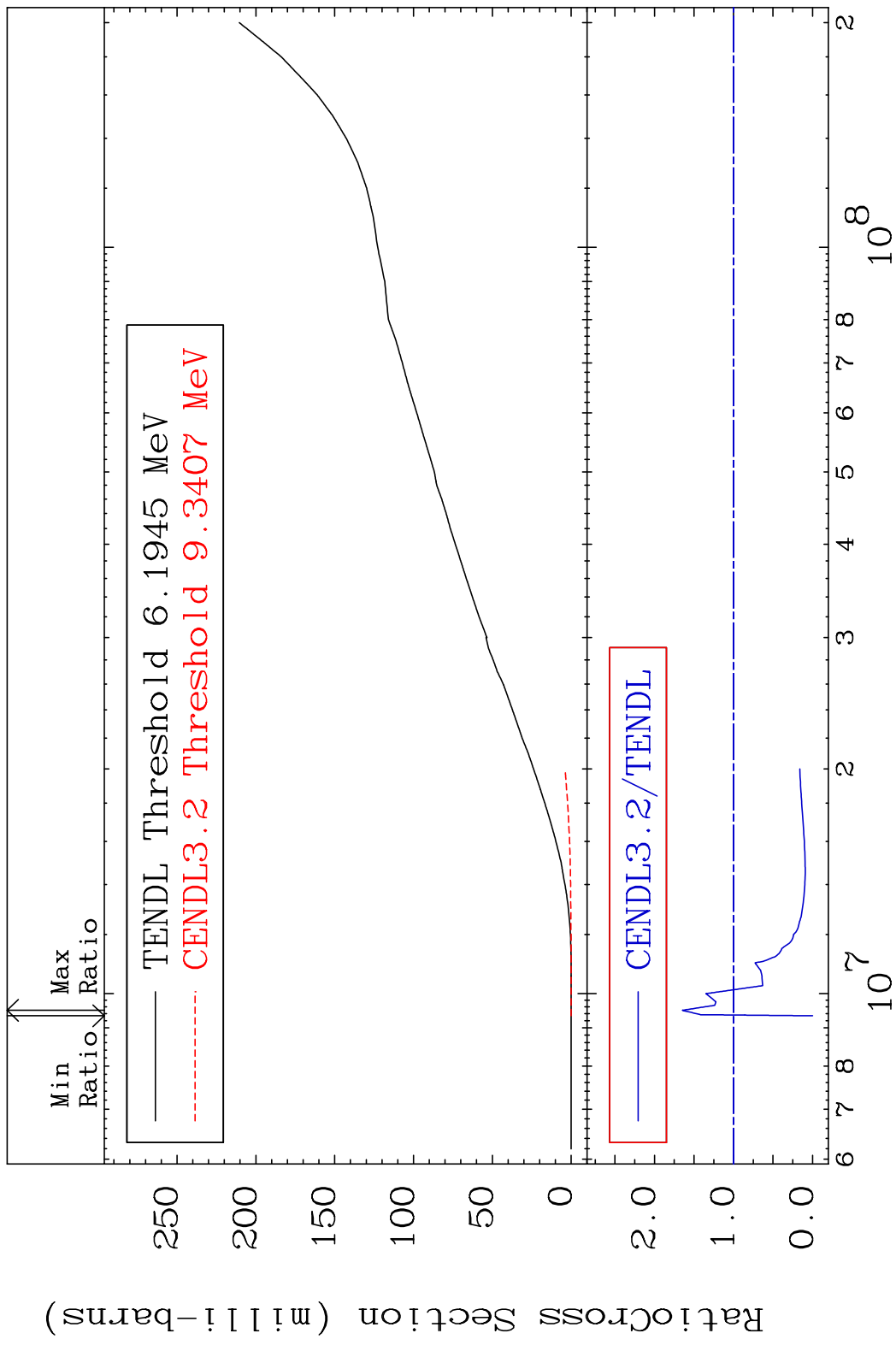


21 Incident Energy (eV) 40-Zr-90

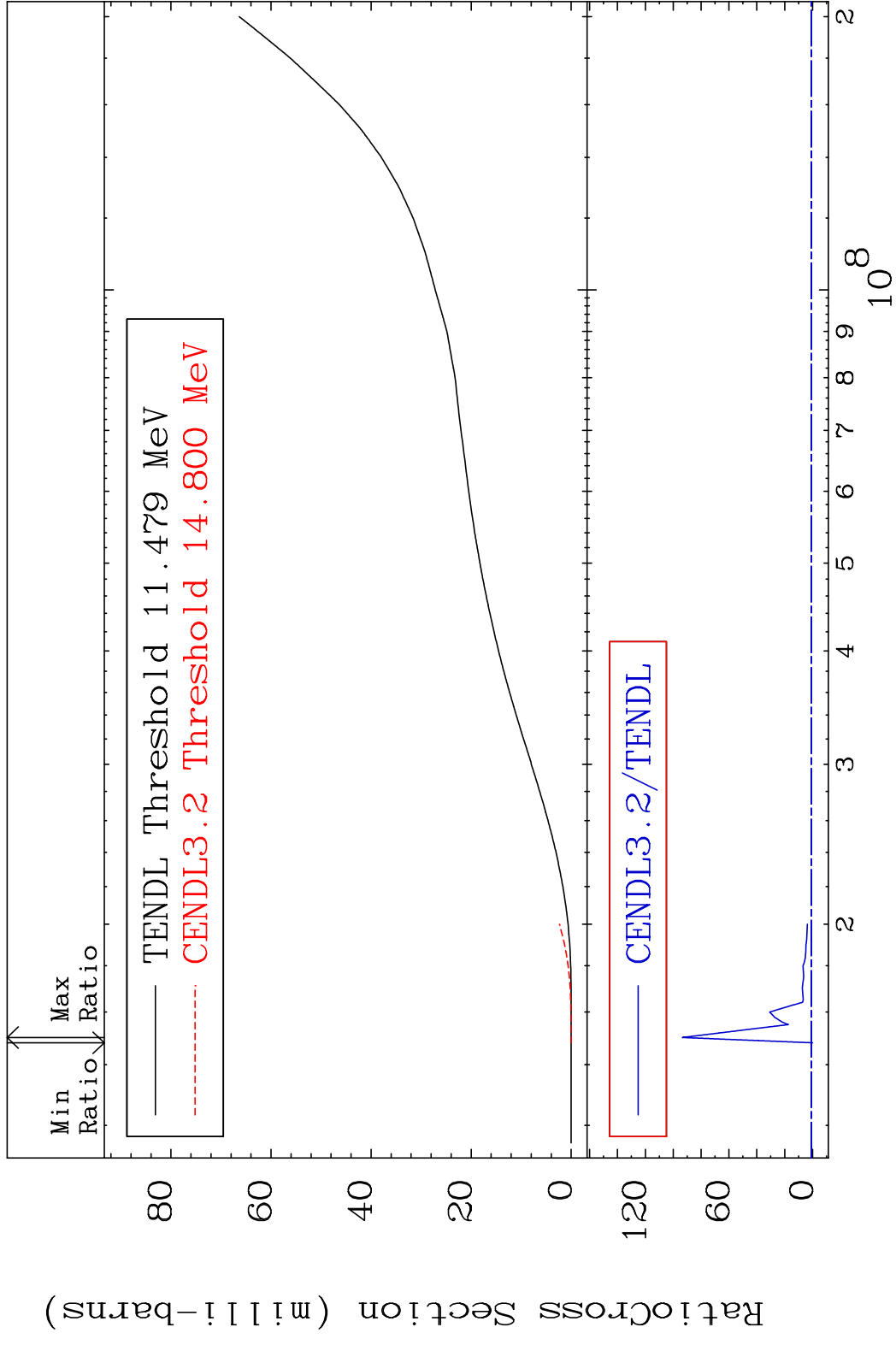
MAT 4025 Hydrogen Production 40-Zr-90  
 Cross Section -100.0 To 177.8 %



MAT 4025 Deuterium Production 40-Zr-90  
 Cross Section -100.0 To 64.74 %



MAT 4025 Tritium Production 40-Zr-90  
 Cross Section -100.0 To 9244. %



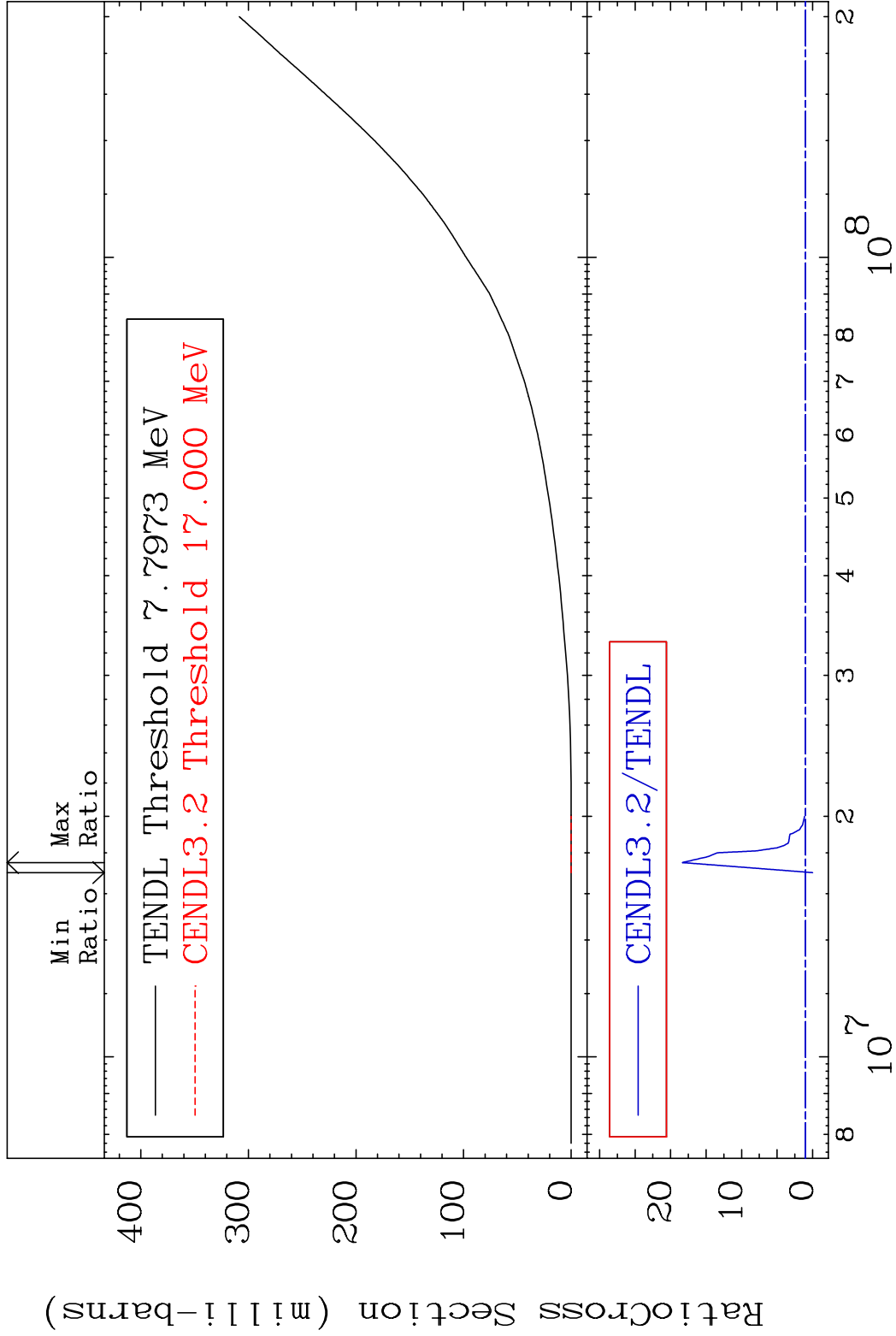
24 Incident Energy (eV) 40-Zr-90

MAT 4025

He-3 Production

40-Zr-90

Cross Section -100.0 To 1734. %



25

Incident Energy (eV)

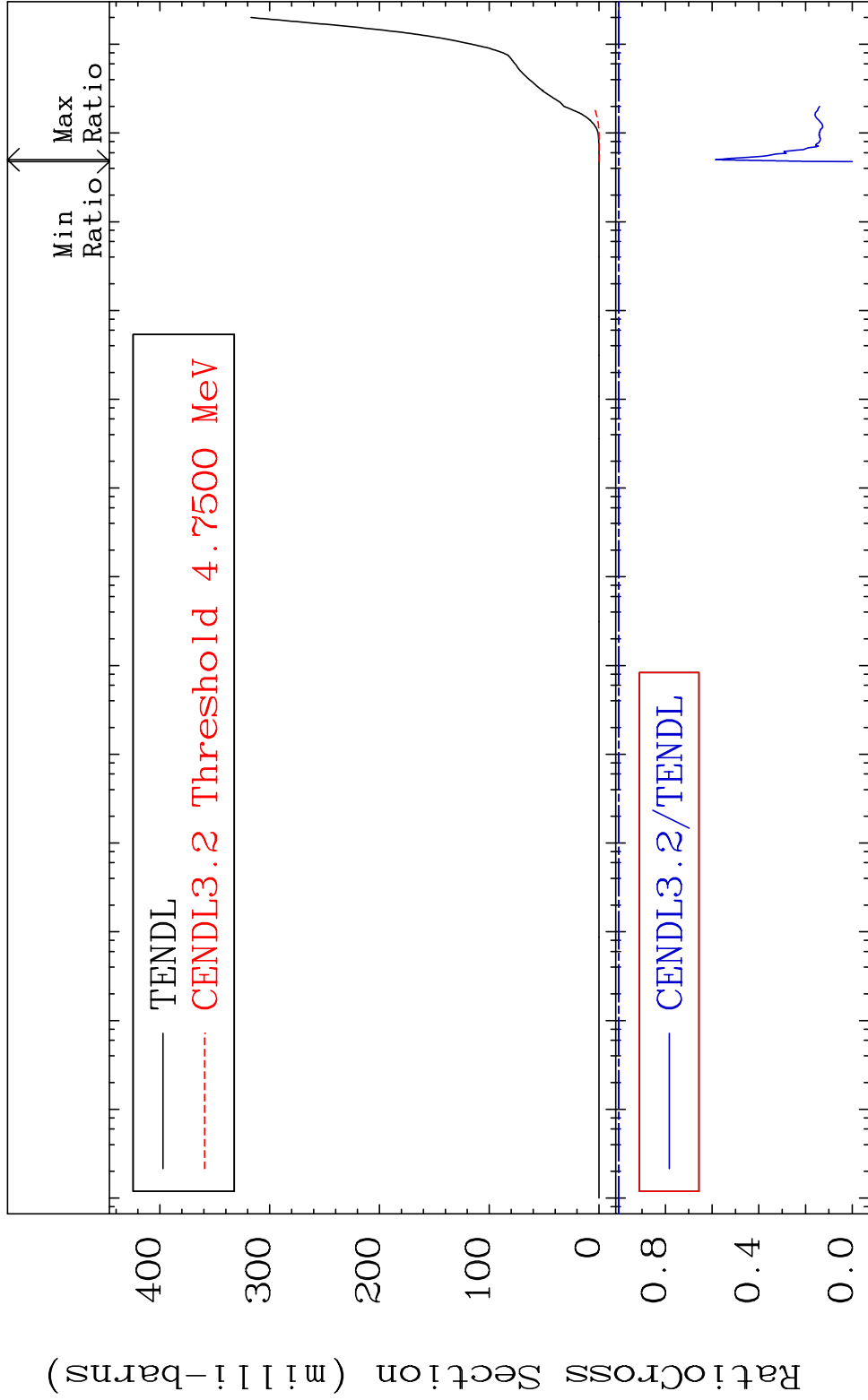
40-Zr-90

MAT 4025

He-4 Production

40-Zr-90

Cross Section -100.0 To -41.52%



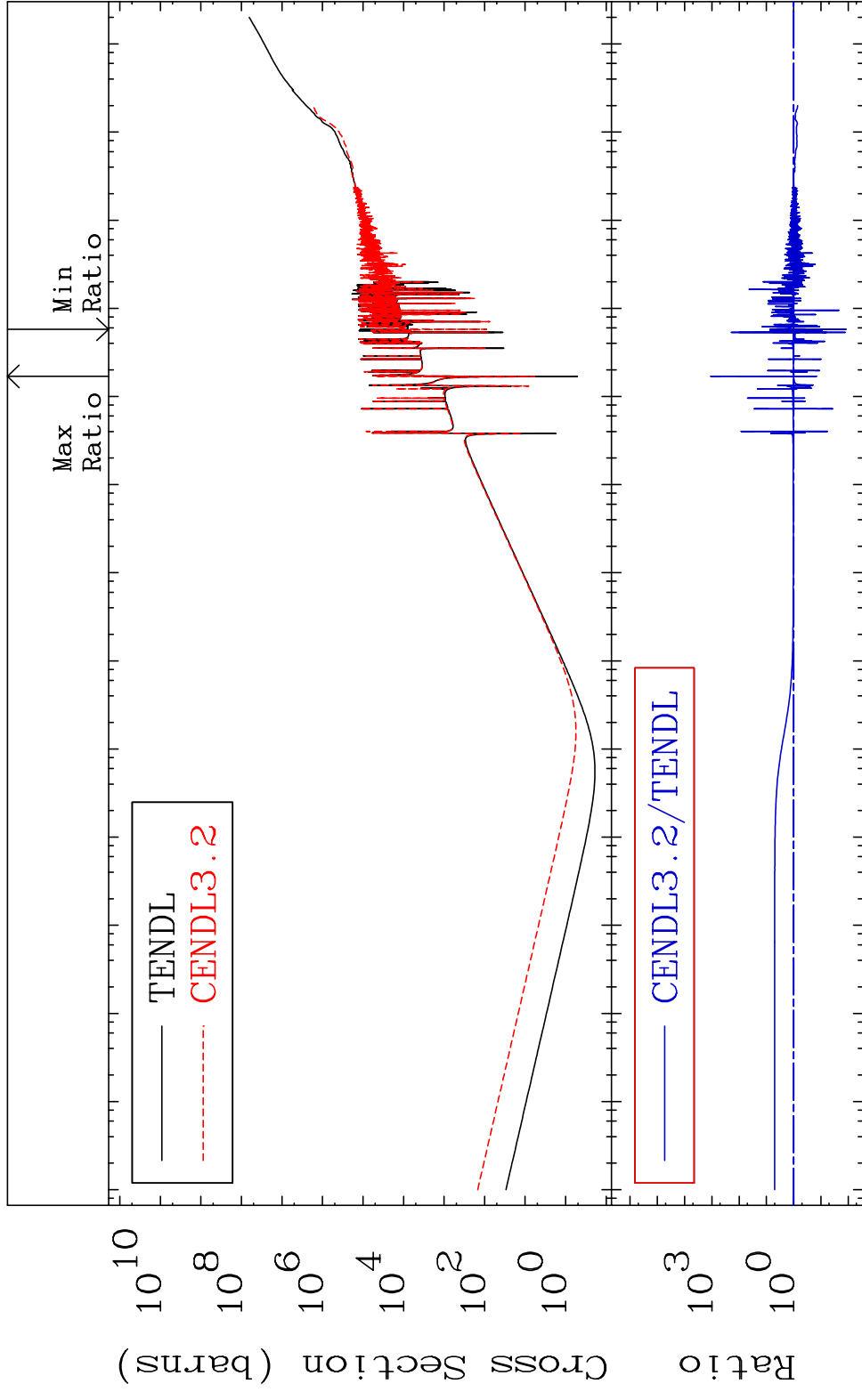
26

Incident Energy (eV)

40-Zr-90

MAT 4025 Kerma total (eV-barns) 40-Zr-90

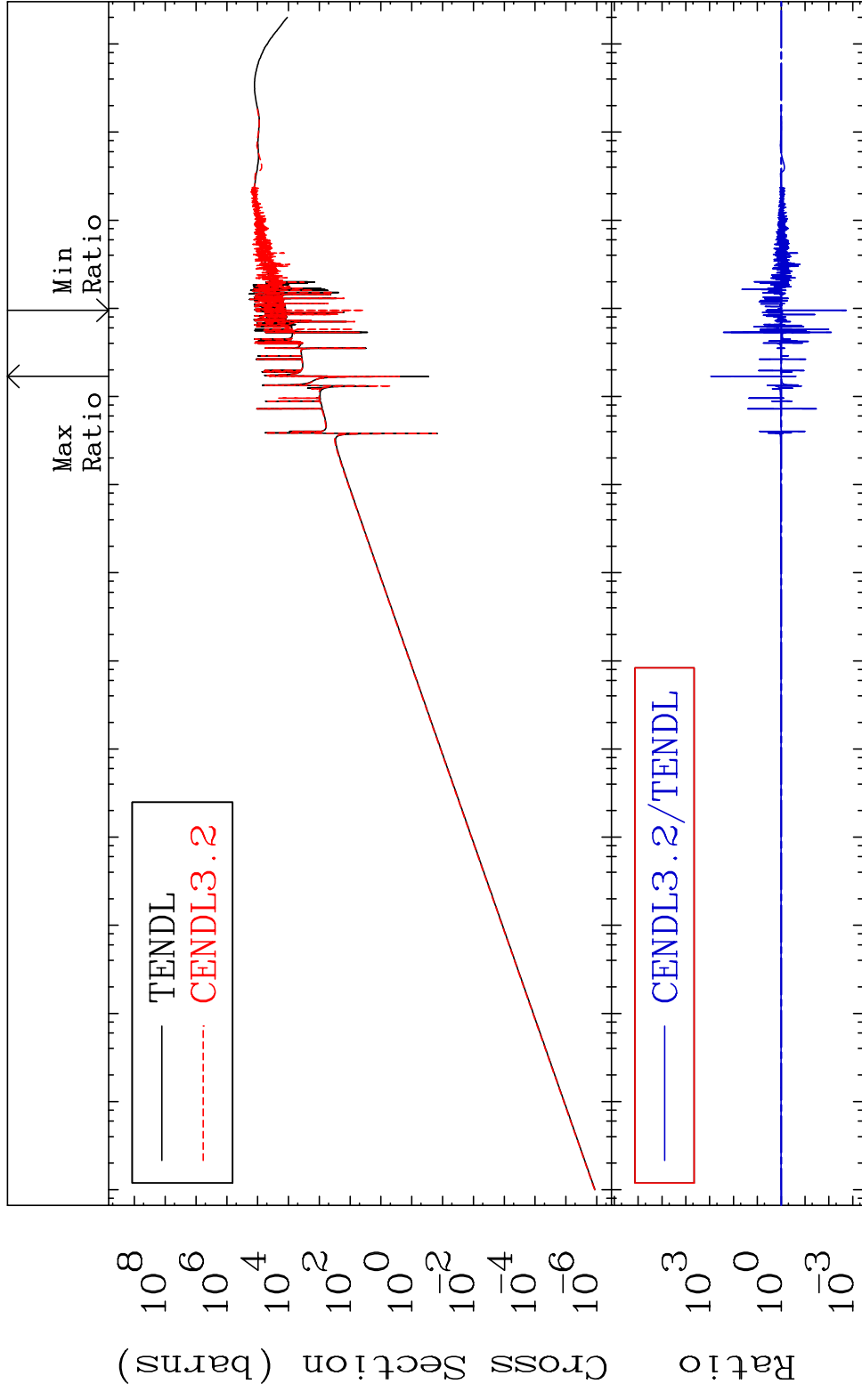
Cross Section -98.83 To 9999. %



MAT 4025

Kerma elastic  
Cross Section

40-Zr-90  
-99.81 To 9999. %

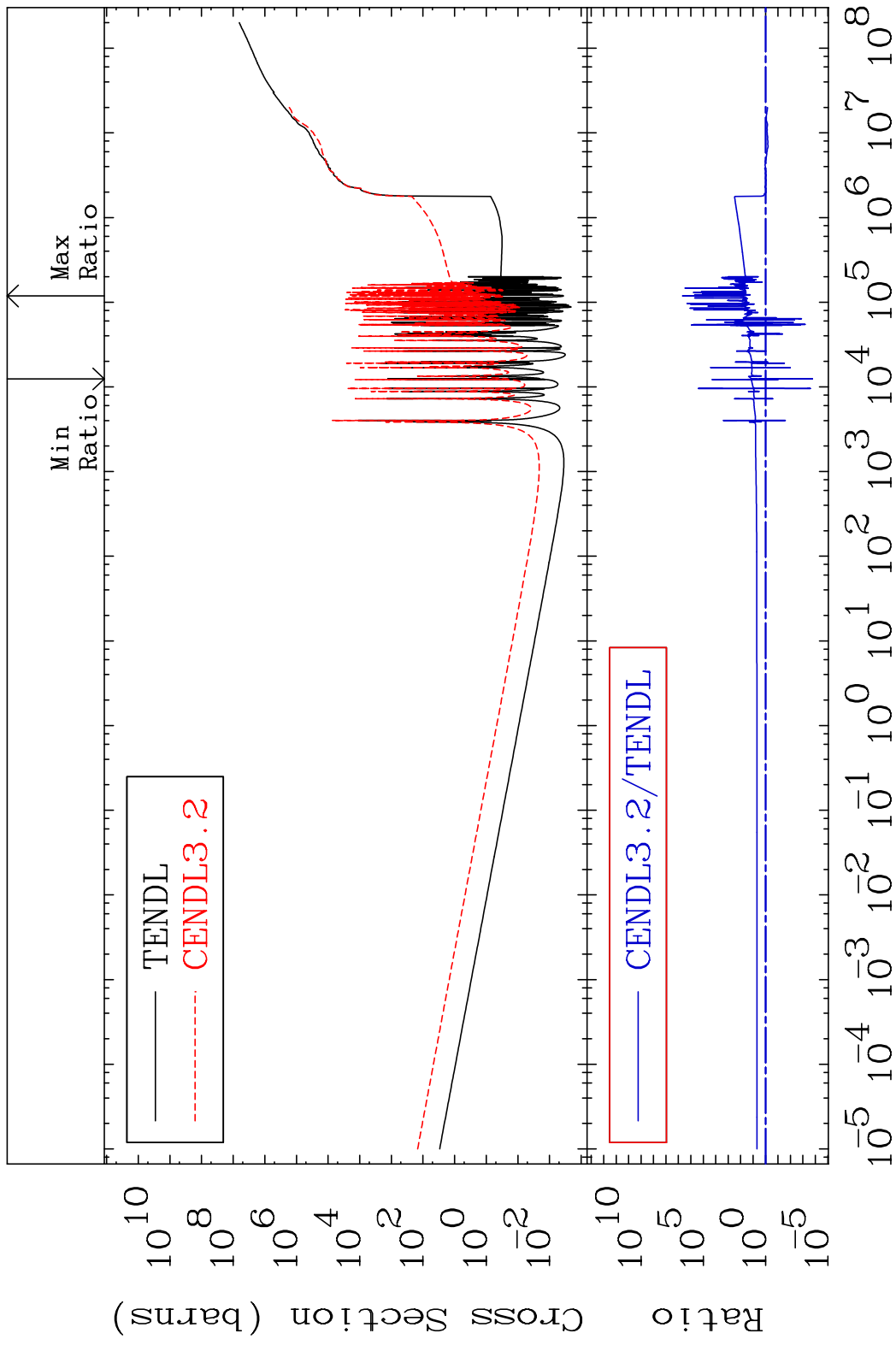


28

Incident Energy (eV)

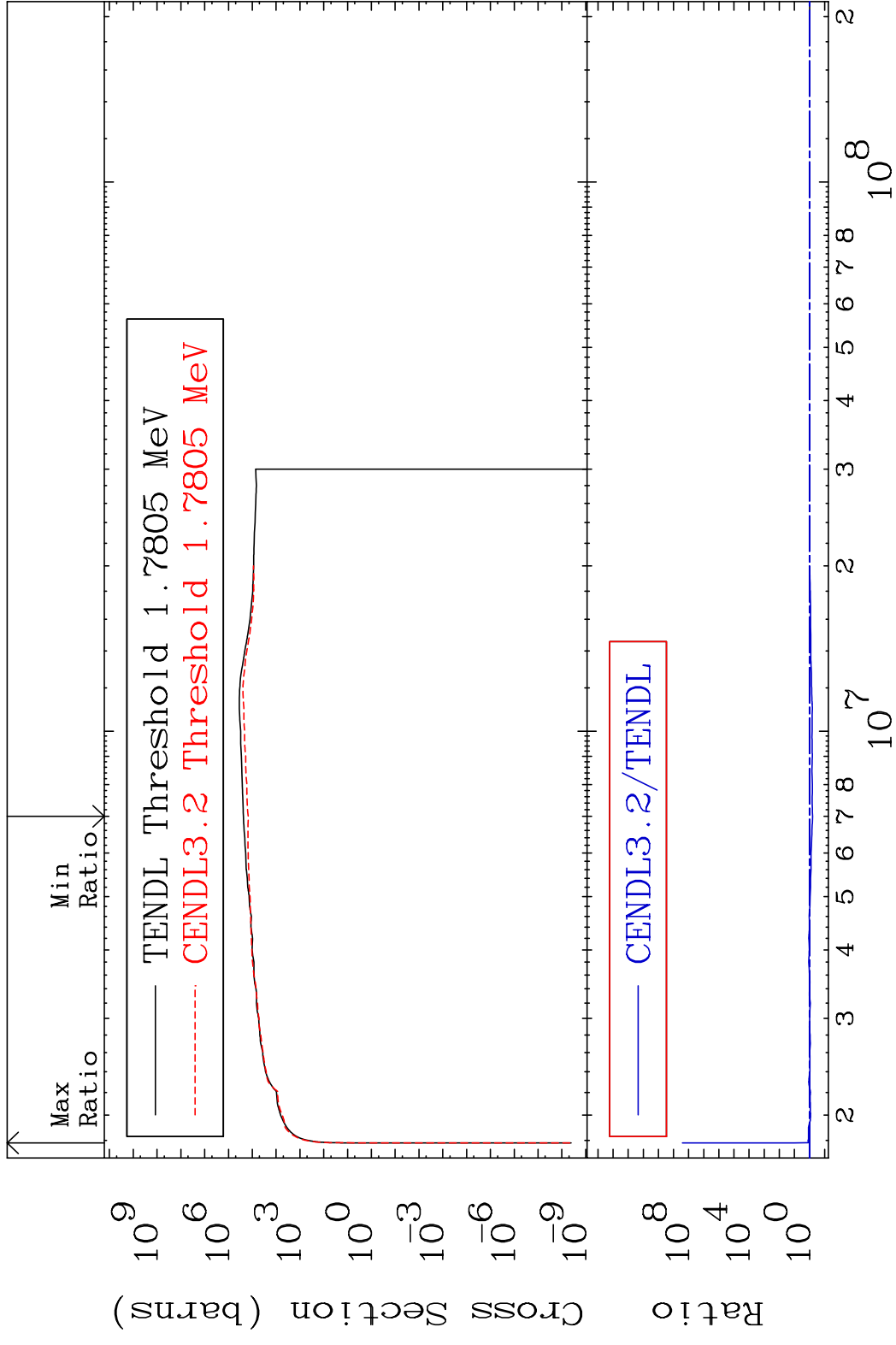
40-Zr-90

MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90  
 Cross Section -99.98 To 9999. %

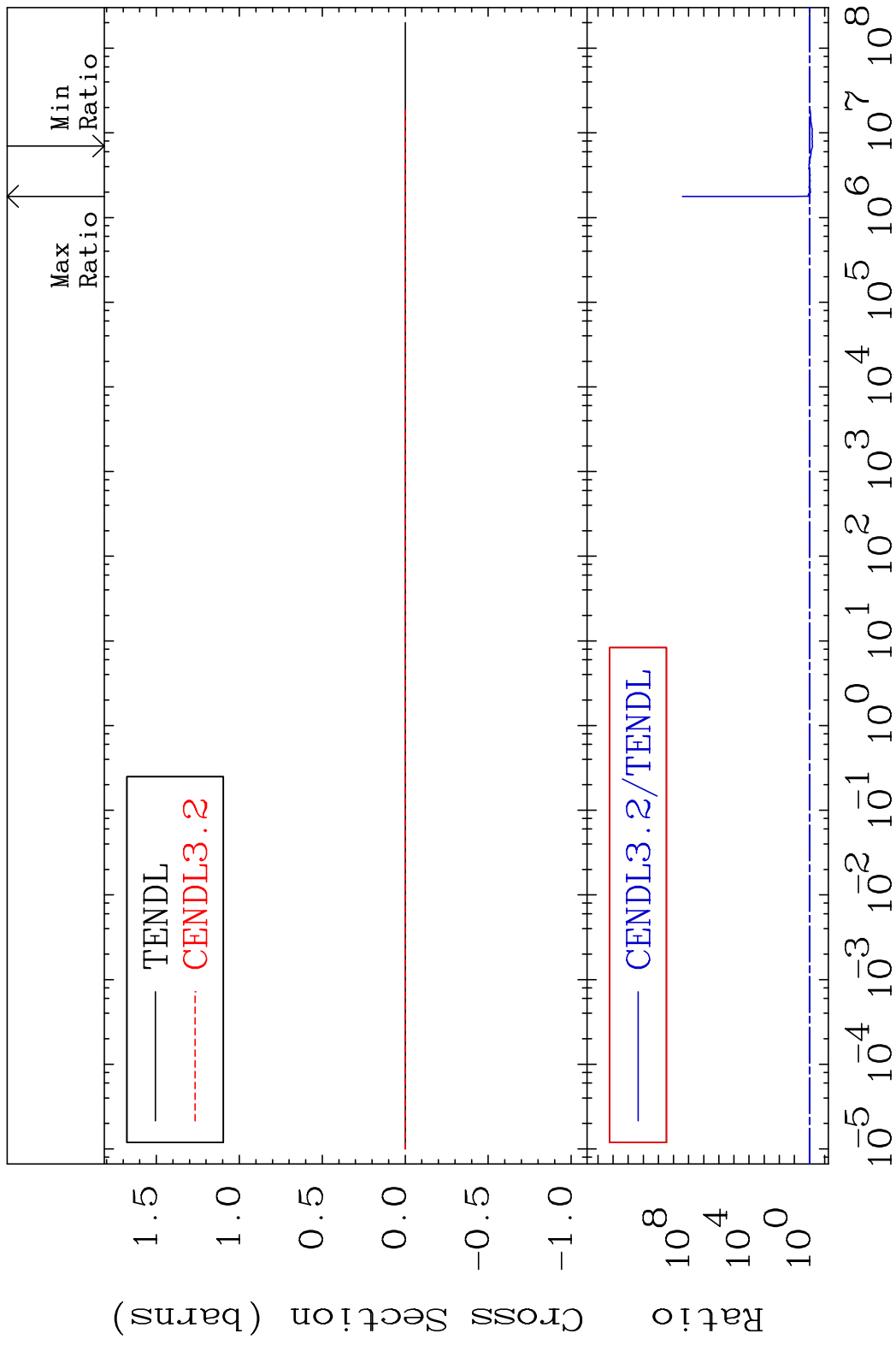


29 Incident Energy (eV) 40-Zr-90

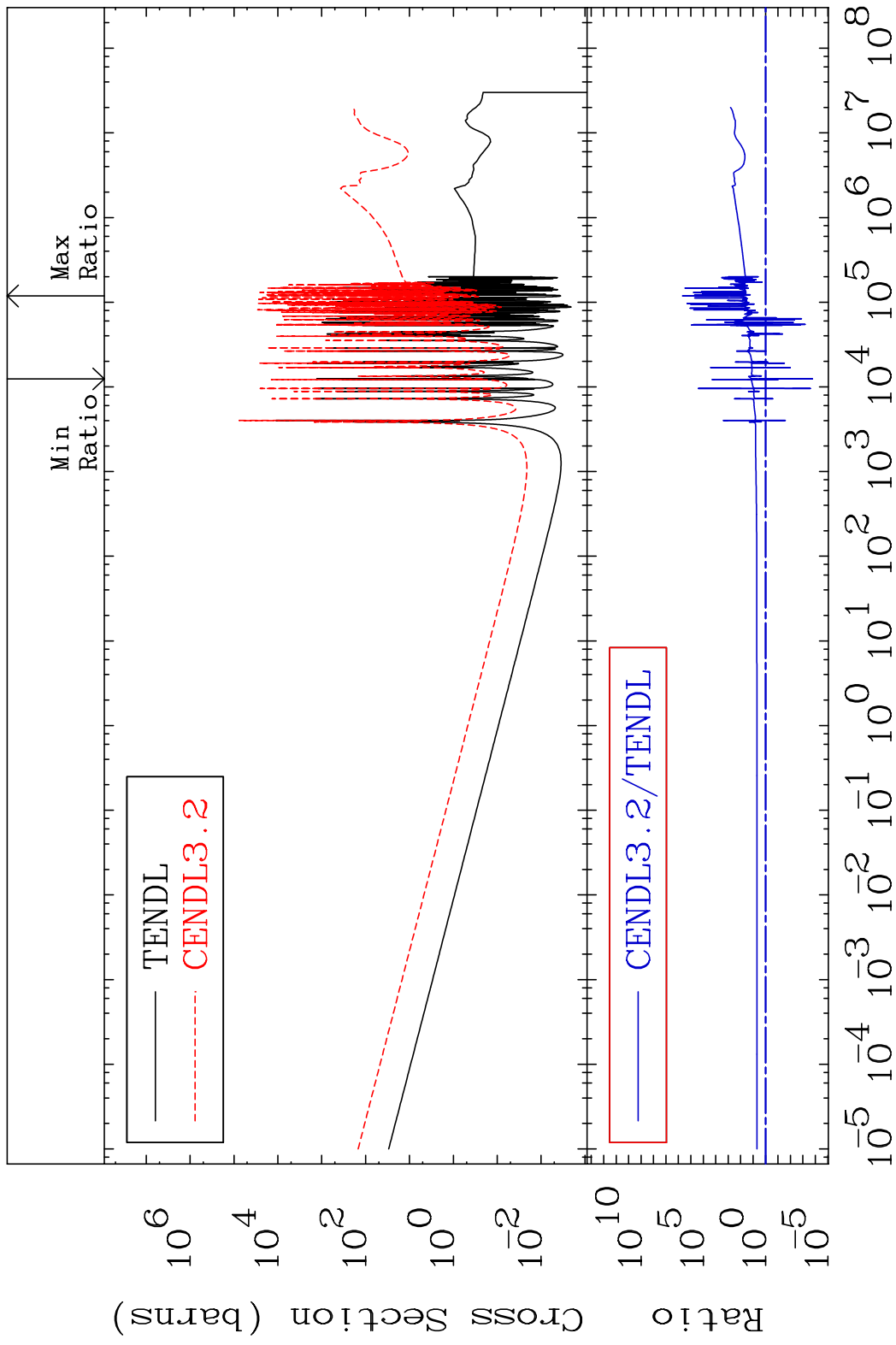
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90  
 Cross Section -36.97 To 9999. %



MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90  
 Cross Section -36.97 To 9999. %

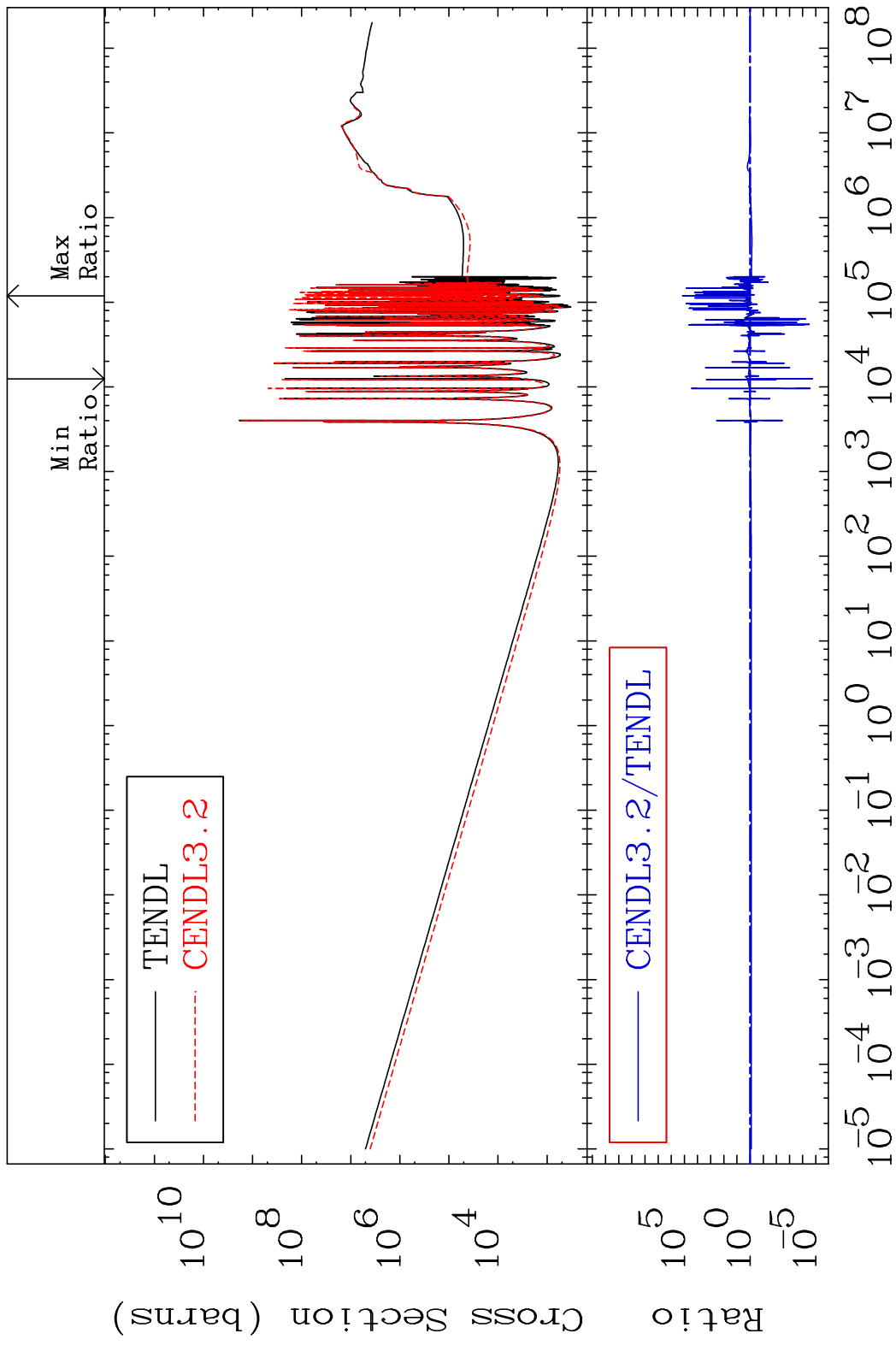


MAT 4025 Kerma capture (mt102) 40-Zr-90  
 Cross Section -99.98 To 9999. %



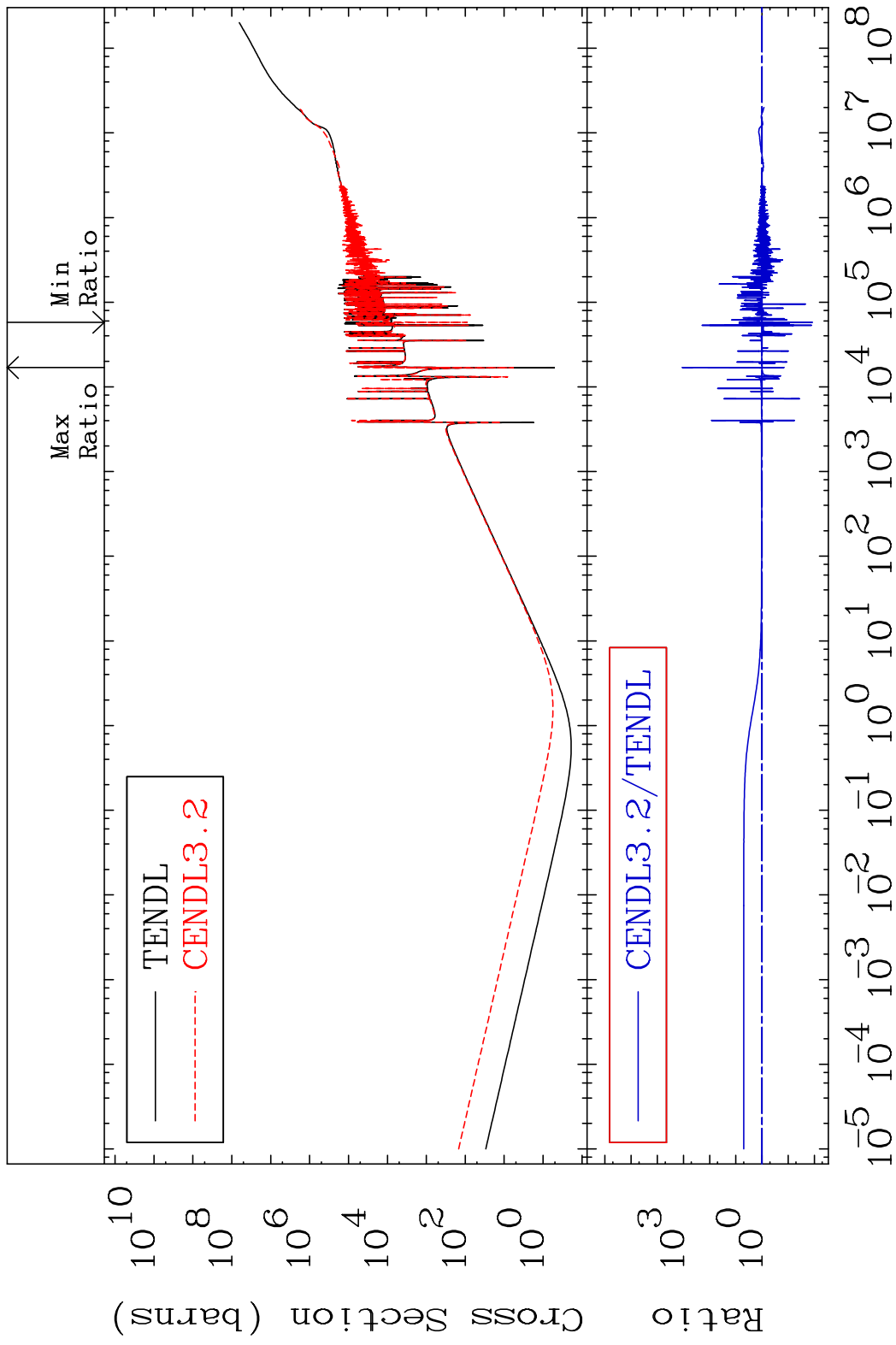
32 Incident Energy (eV) 40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90  
 Cross Section -100.0 To 9999. %

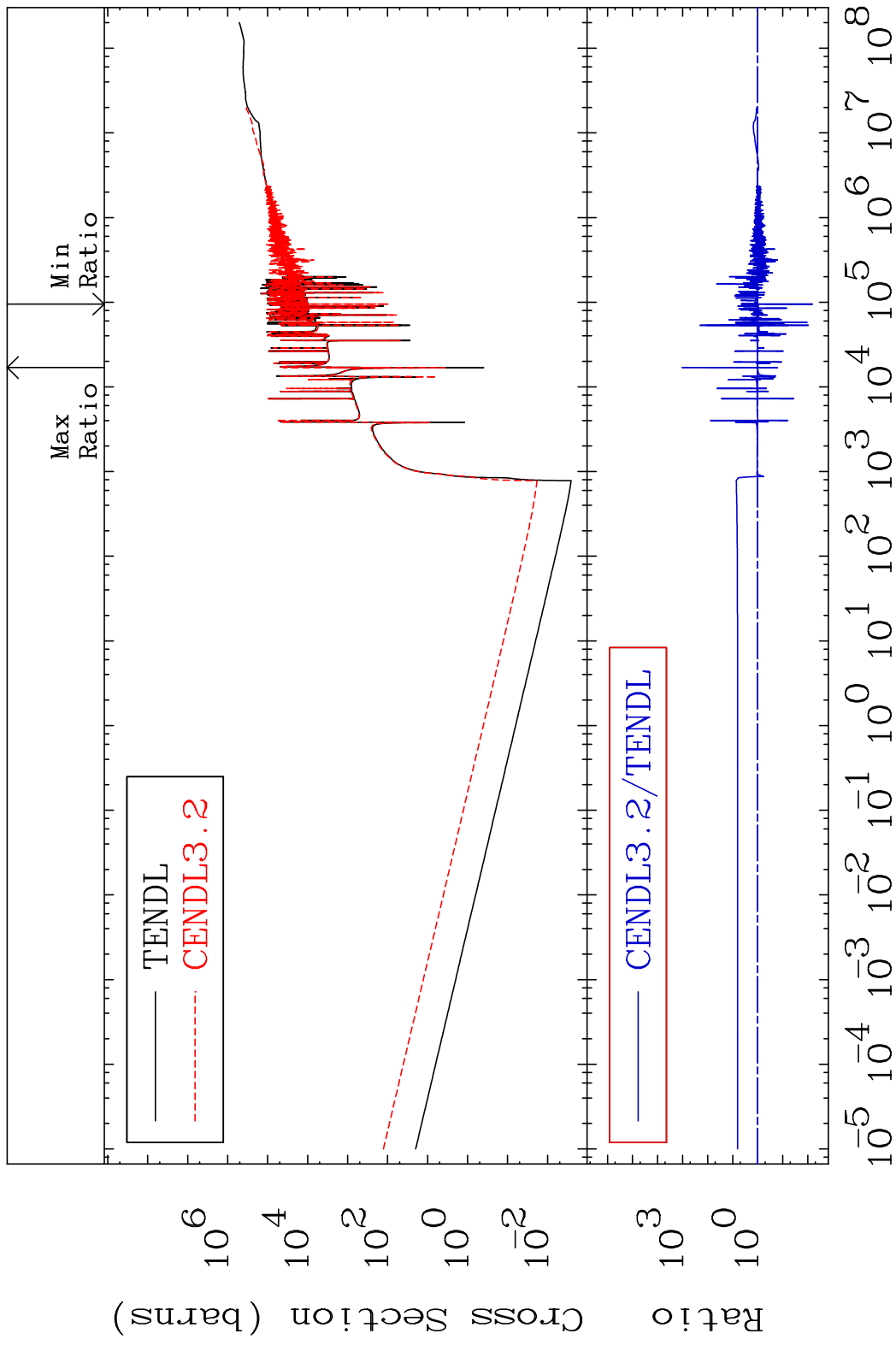


33 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90  
 Cross Section -98.83 To 9999. %



MAT 4025 Dpa total (eV-barns) 40-Zr-90  
 Cross Section -99.36 To 9999. %



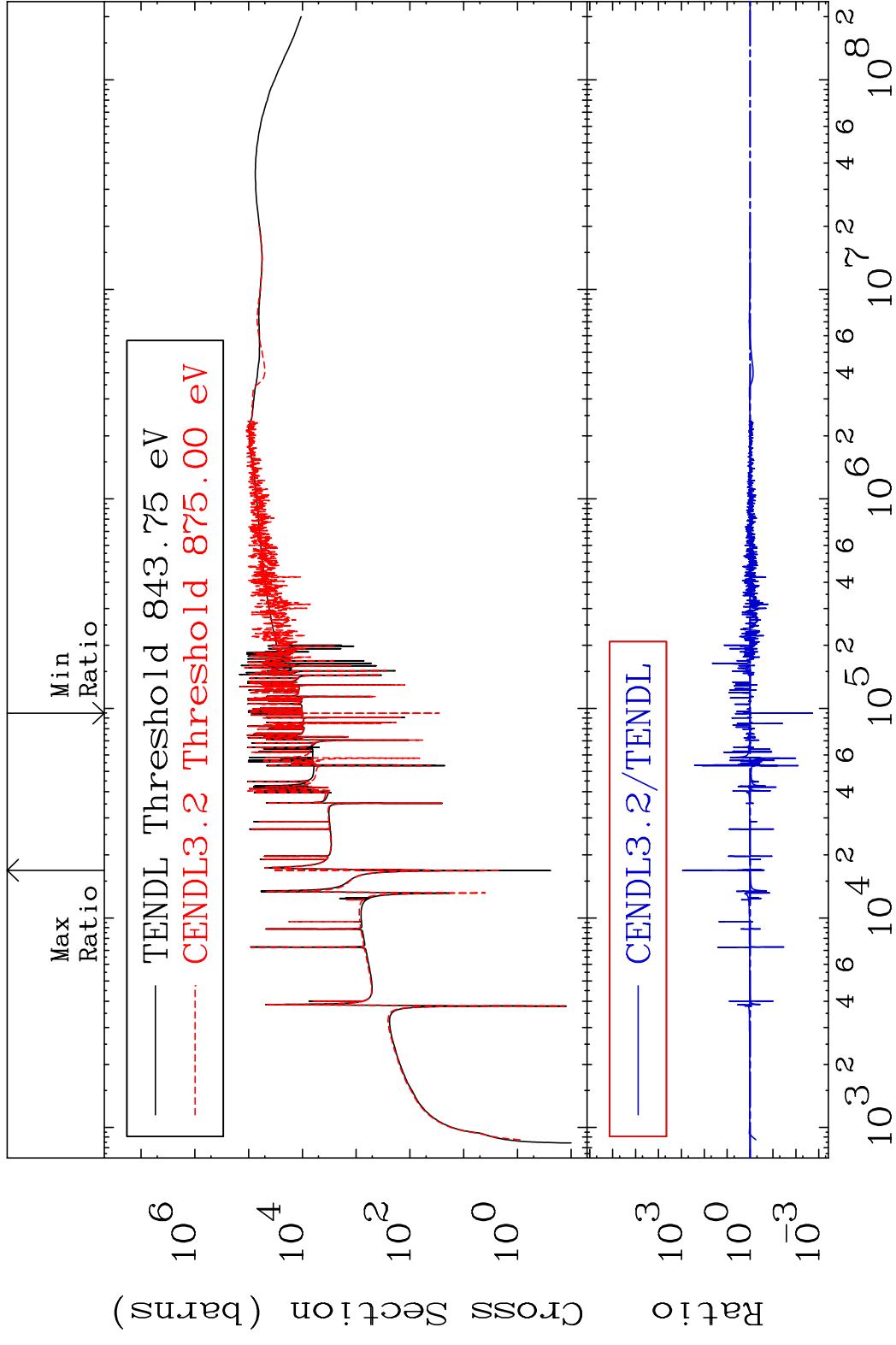
35 Incident Energy (eV) 40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -99.81 To 9999. %

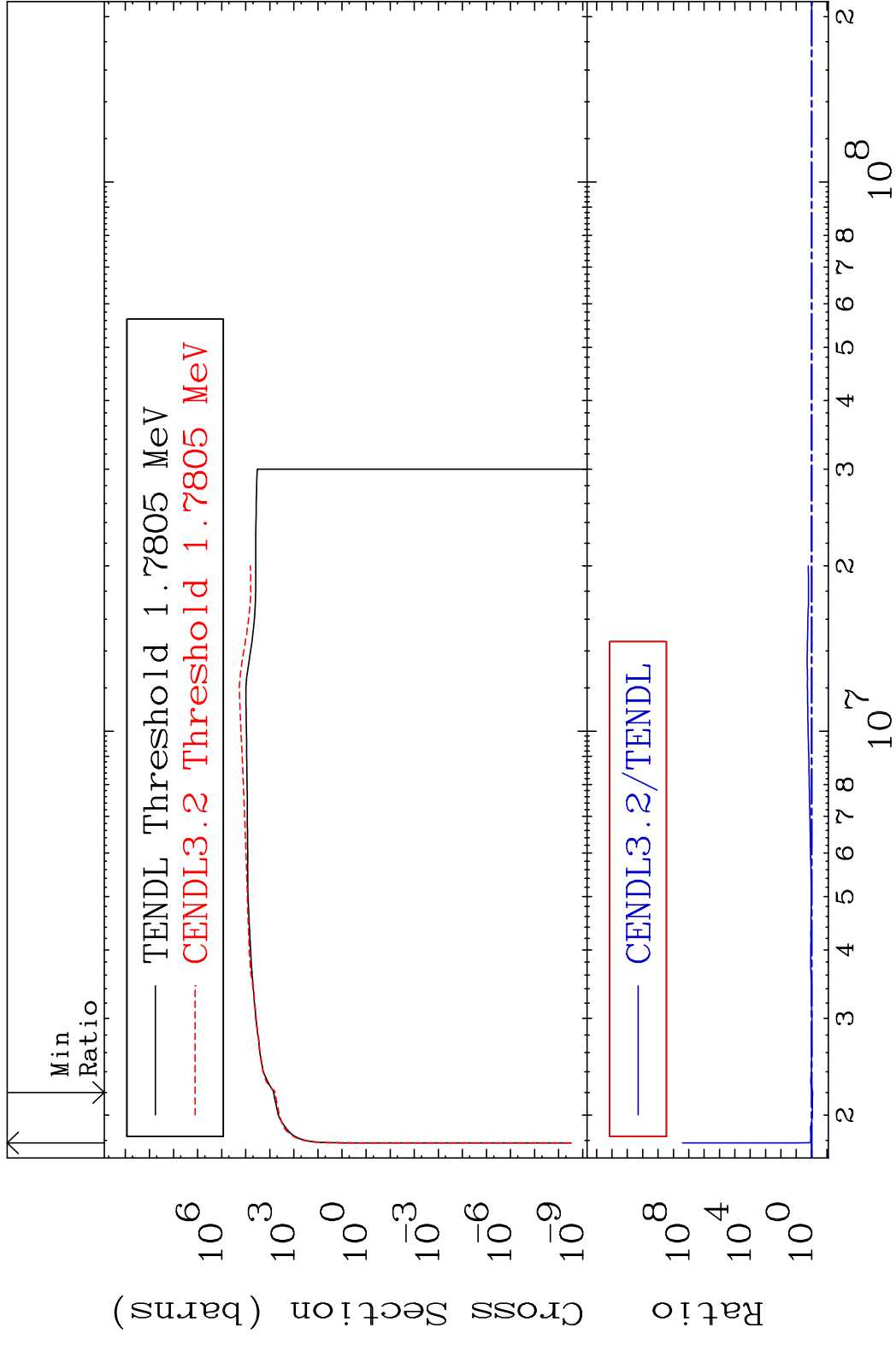


36

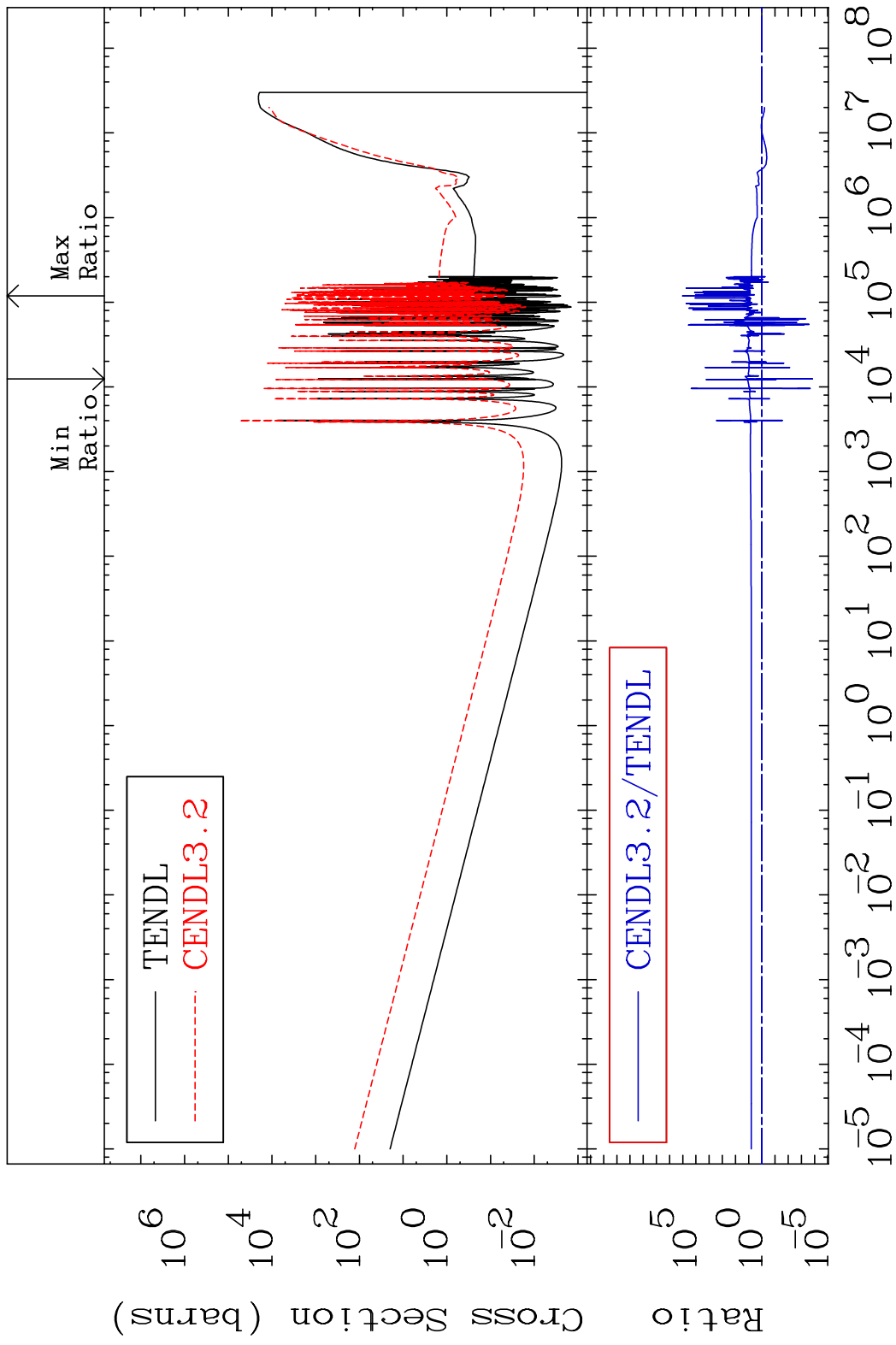
Incident Energy (eV)

40-Zr-90

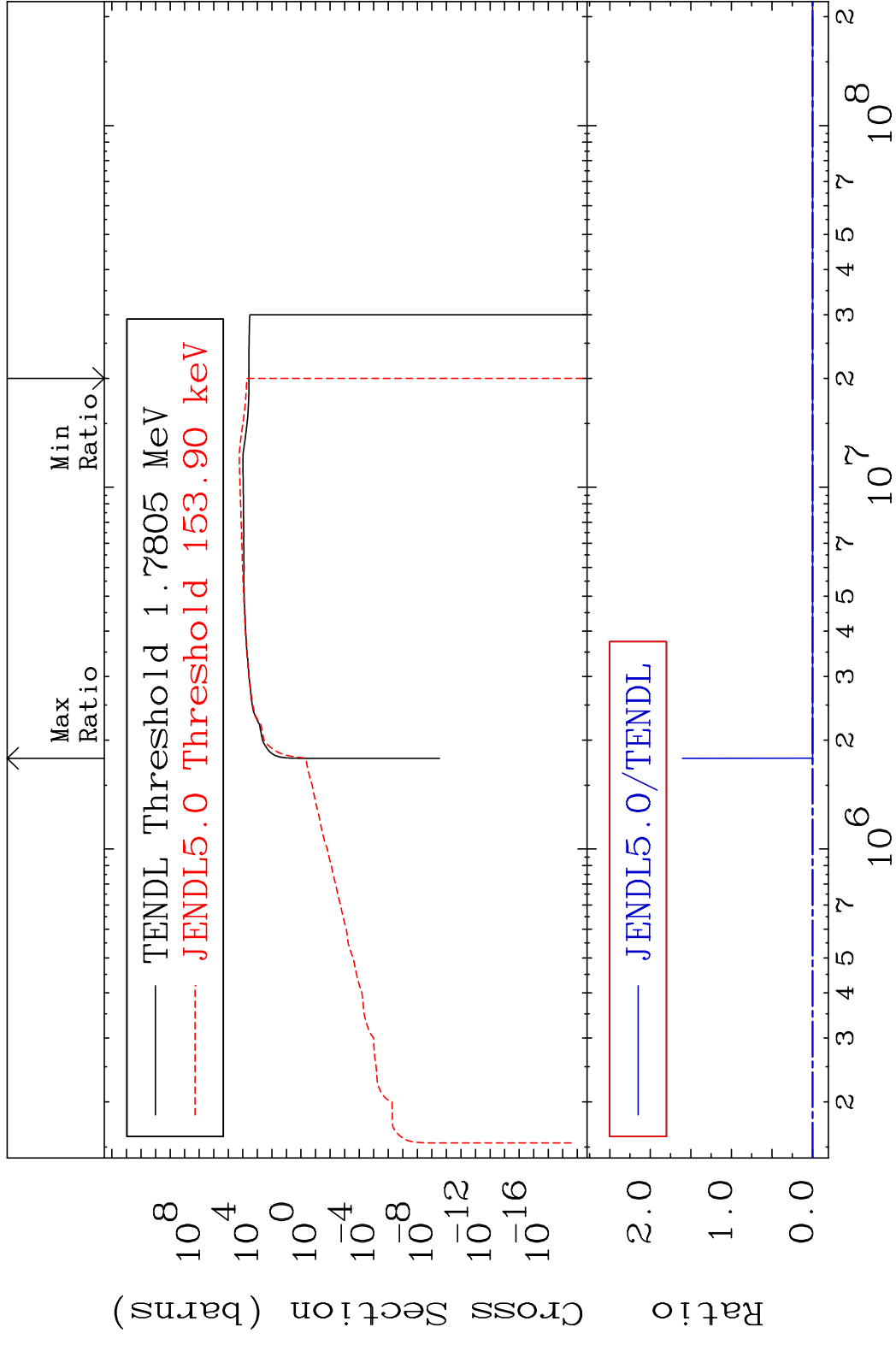
MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90  
 Cross Section -12.89 To 9999. %



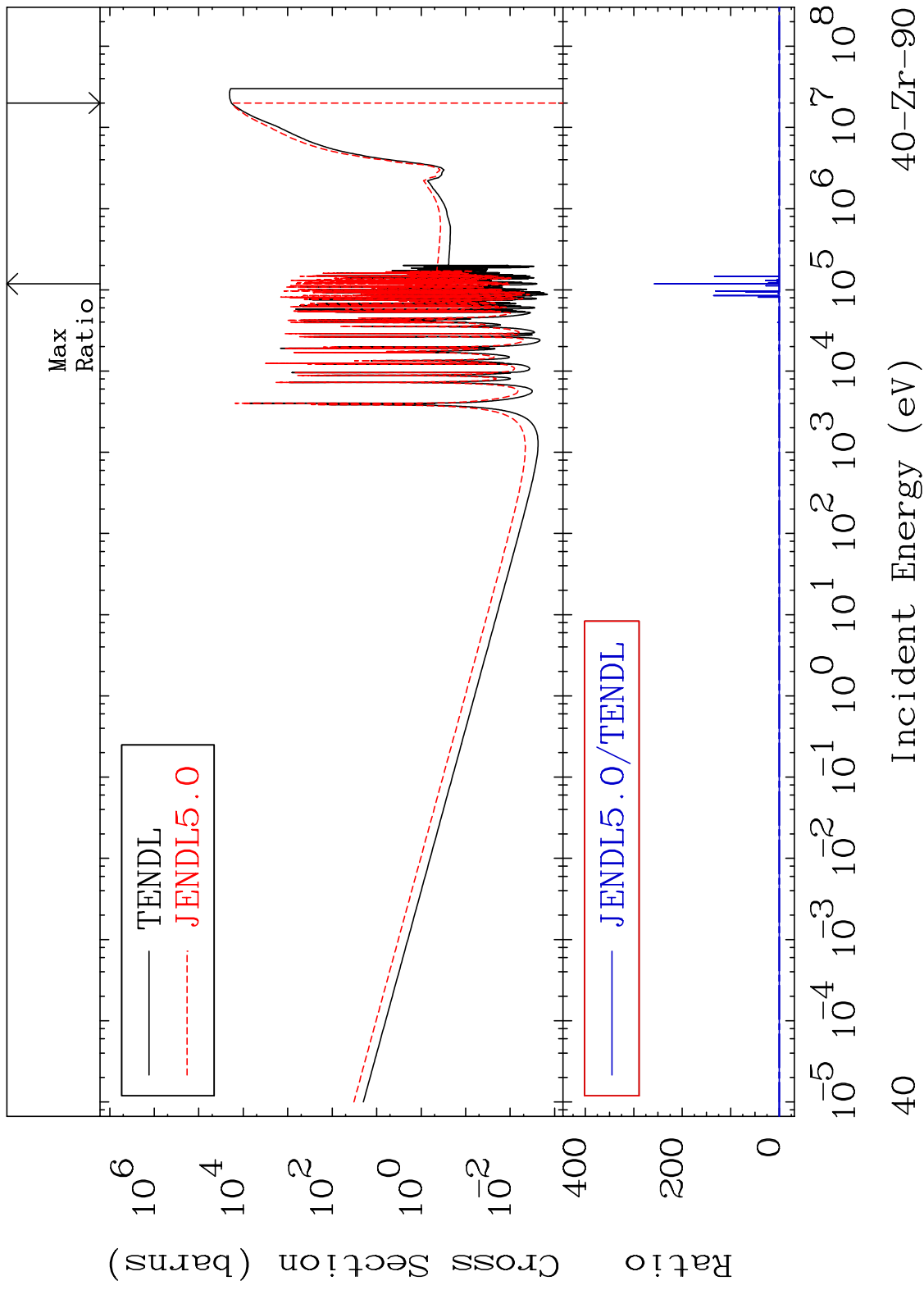
MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -99.99 To 9999. %



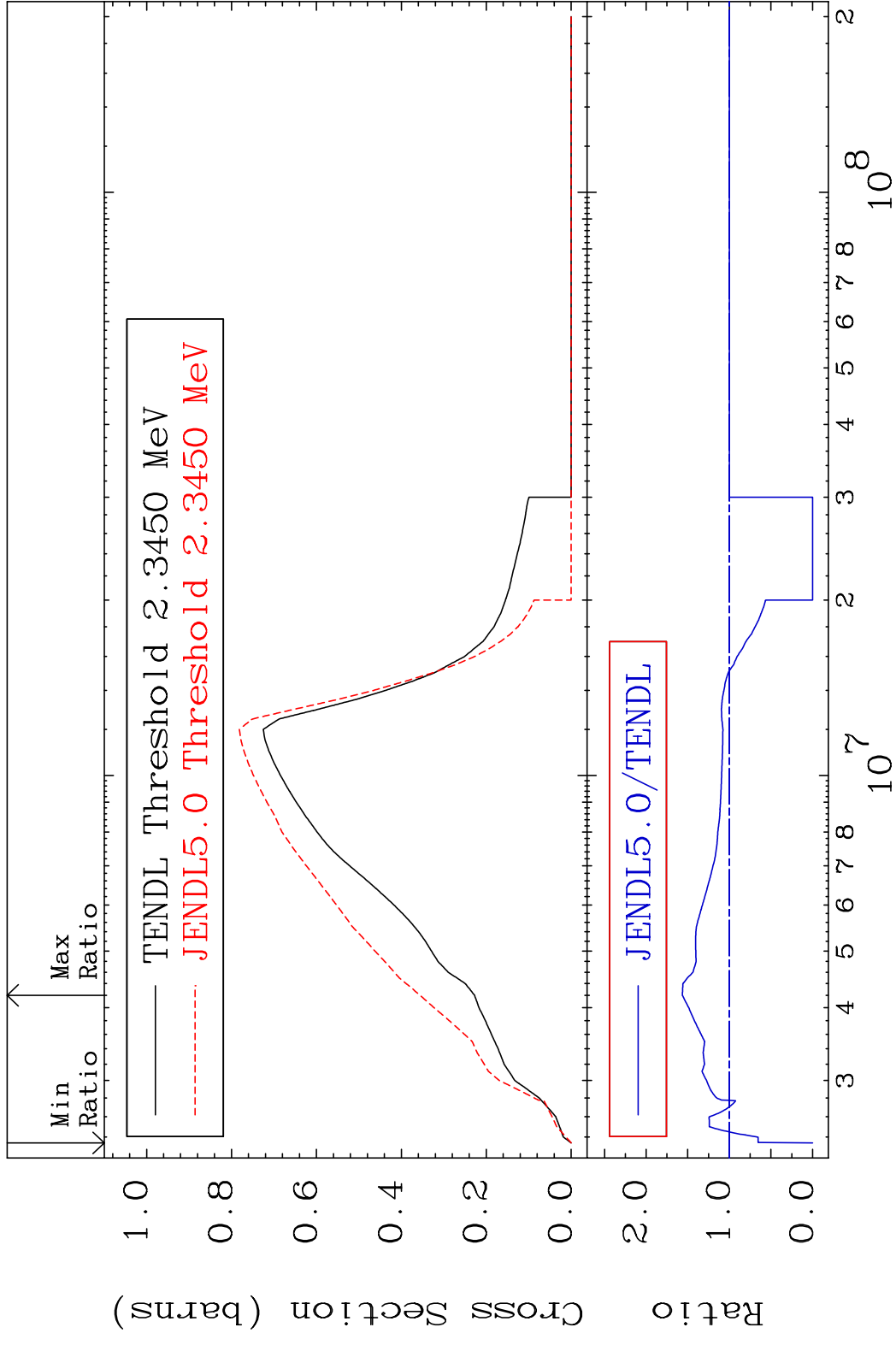
MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90  
 Cross Section -100.0 To 9999. %



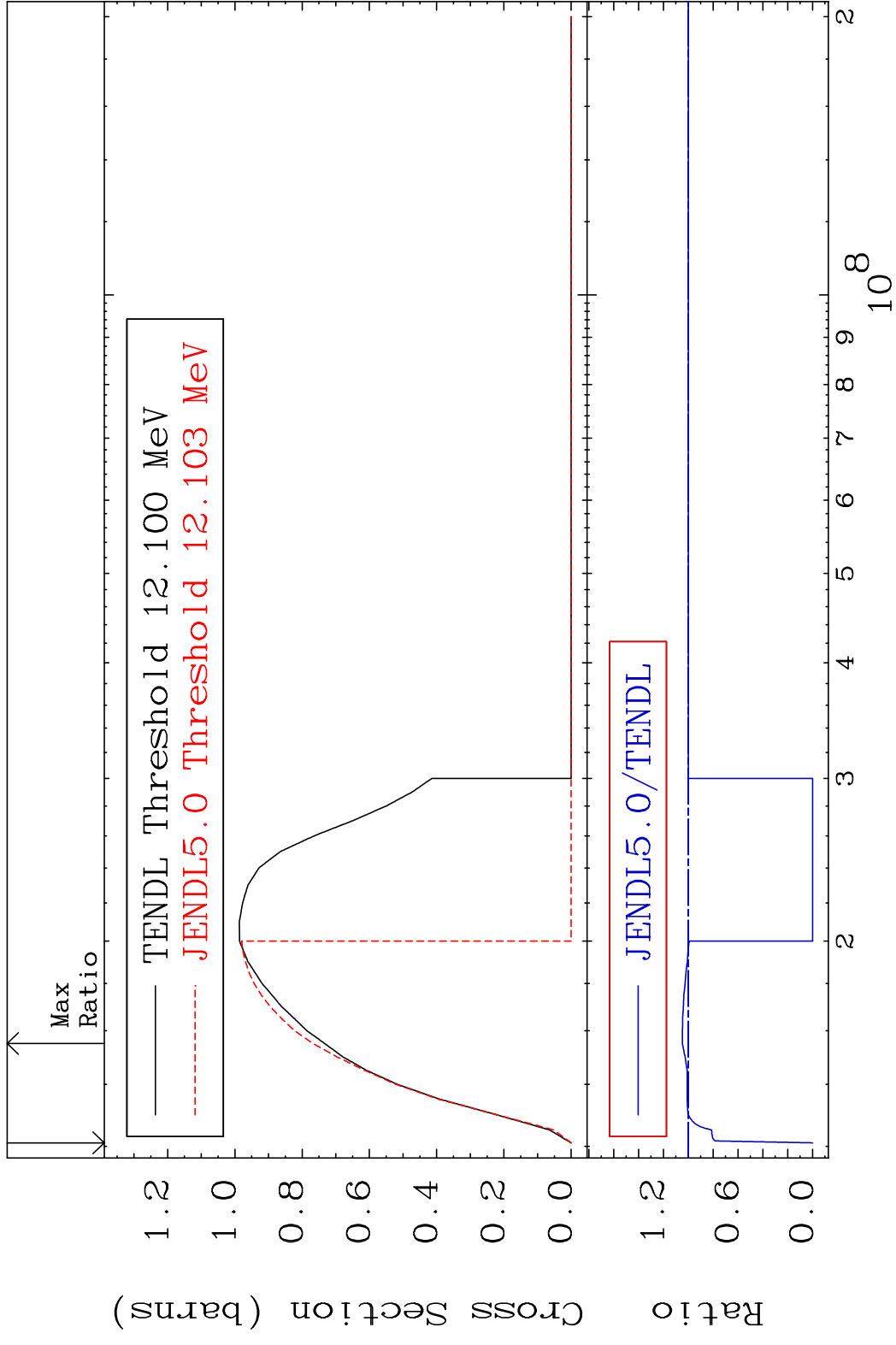
MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -100.0 To 9999. %



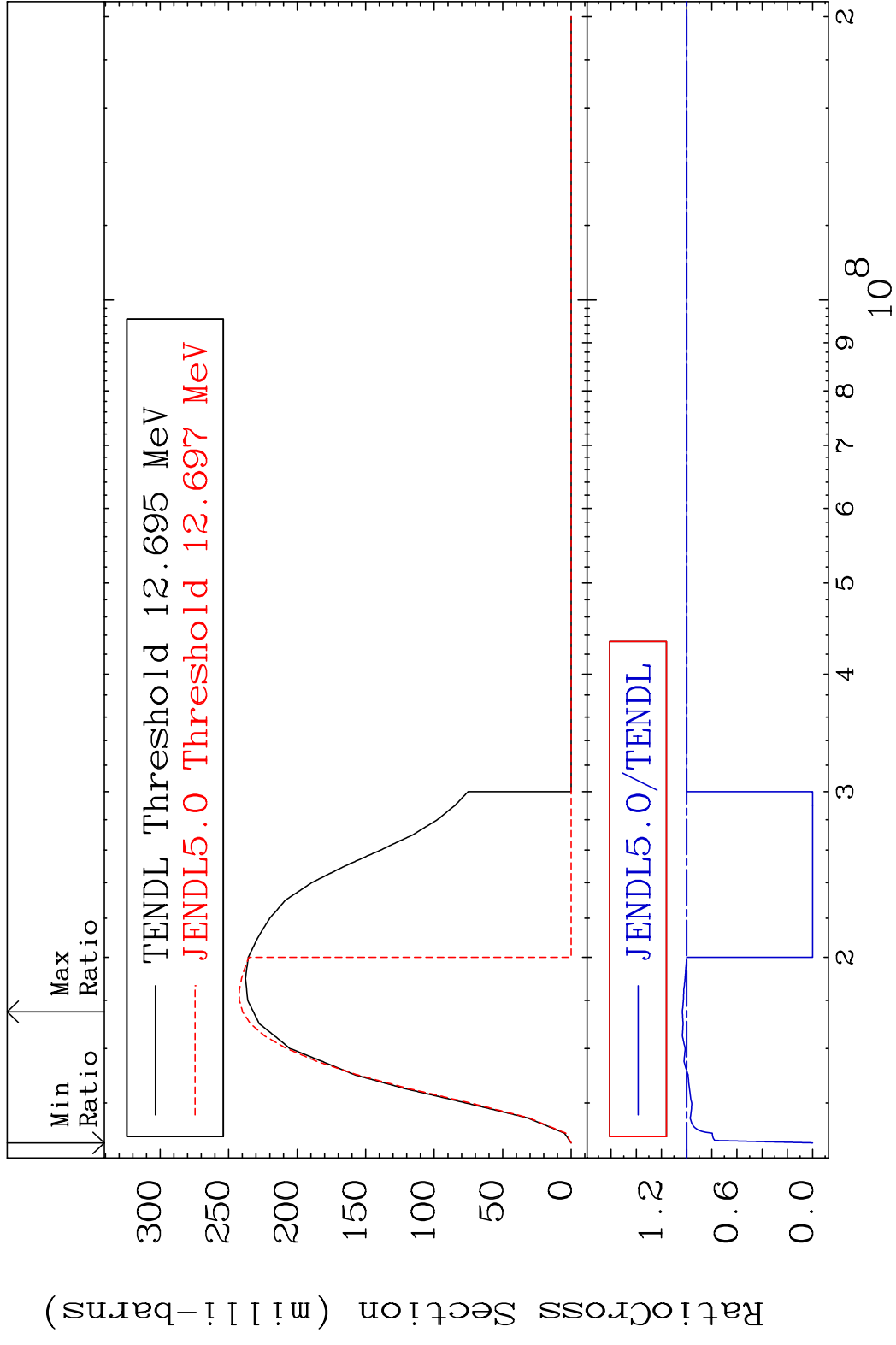
MAT 4025 Inelastic: 40-Zr-90m3 40-Zr-90  
 Radionuclide Production Cross Section 56.46 %



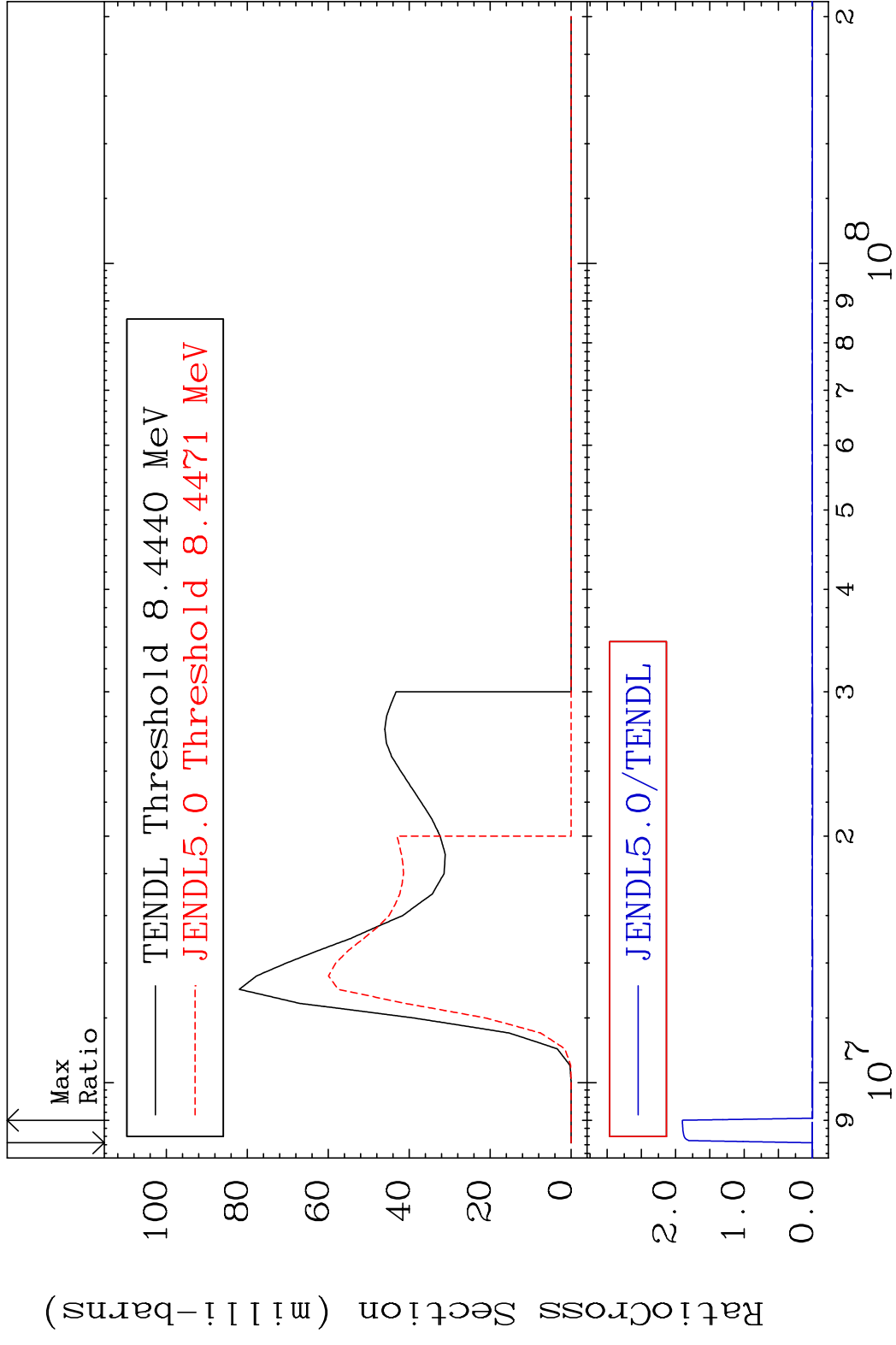
MAT 4025 (n,2n):40-Zr-89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 4.764 %



MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 3.398 %

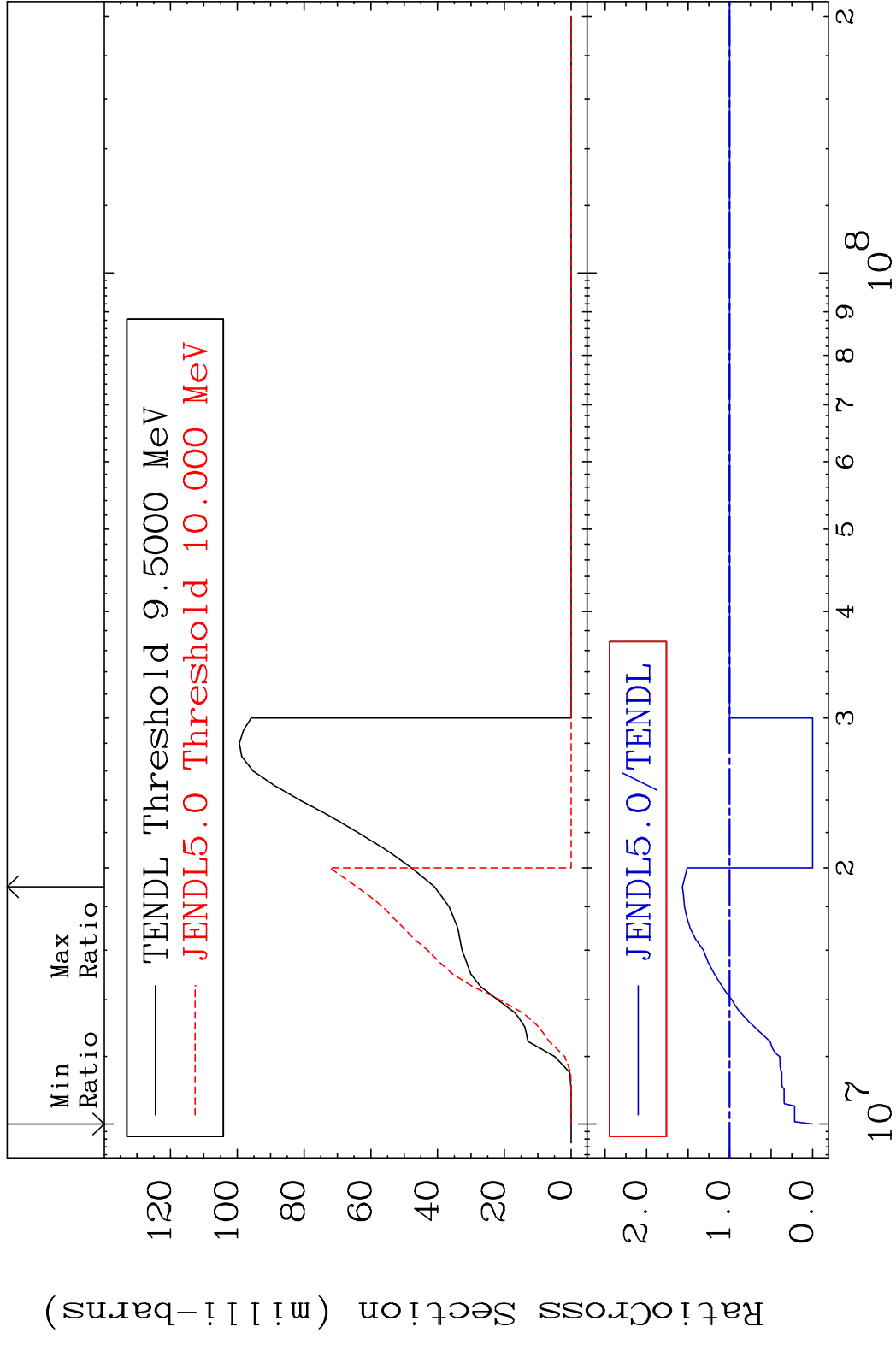


MAT 4025 (n, n') p:39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %



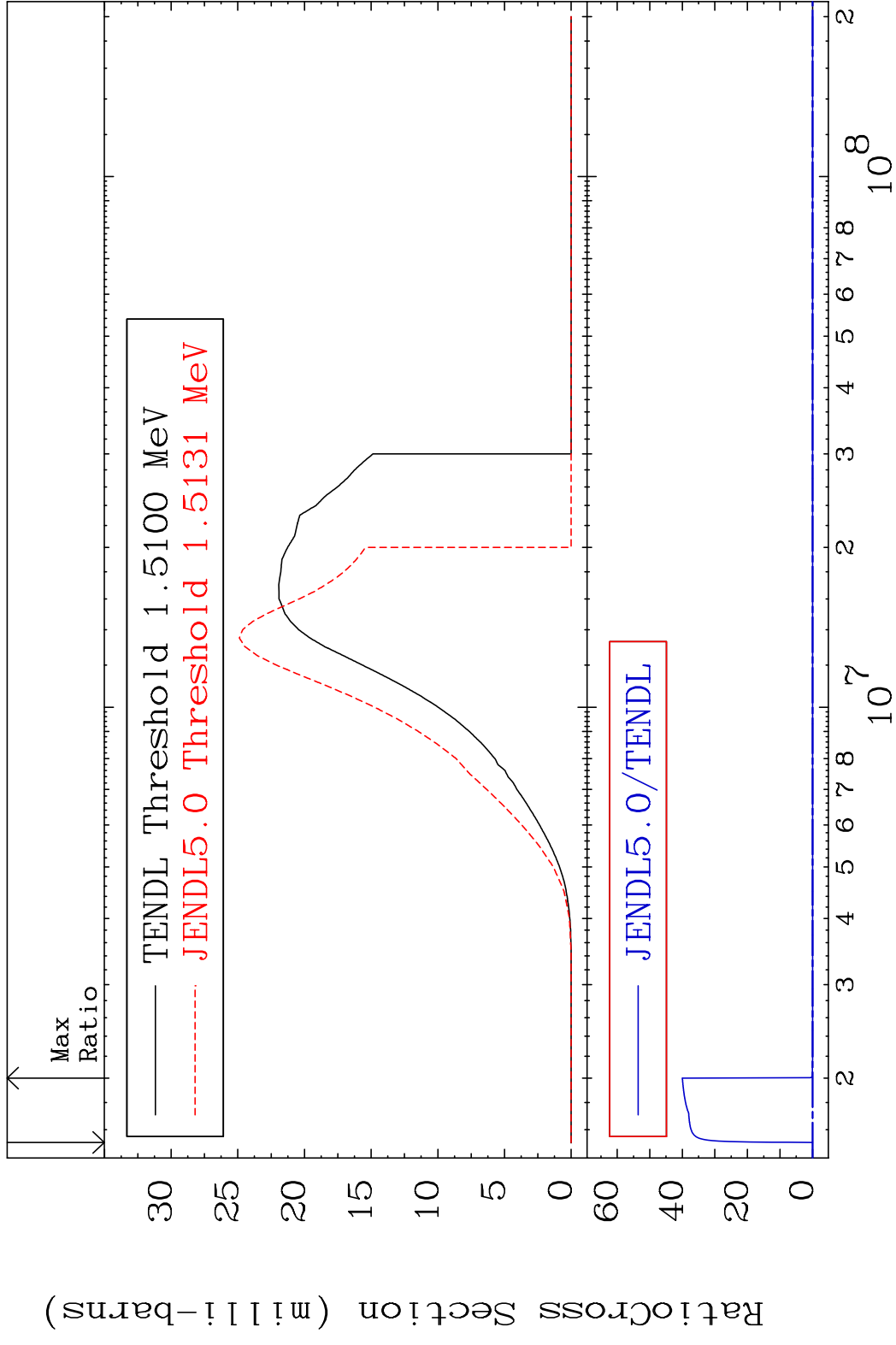
44 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, n') p:39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section 180.01 dth 56.85 %

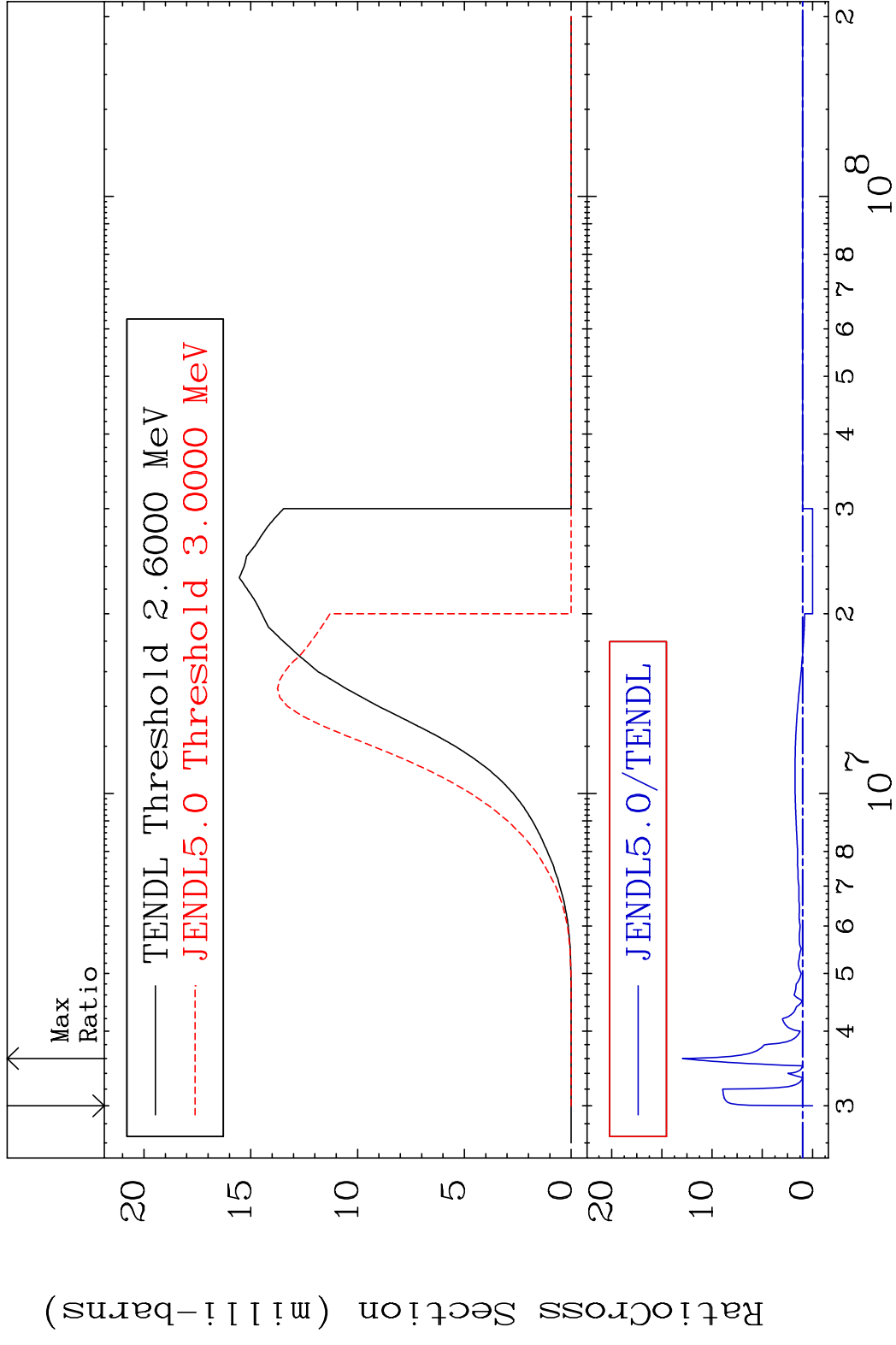


45 Incident Energy (eV) 40-Zr-90

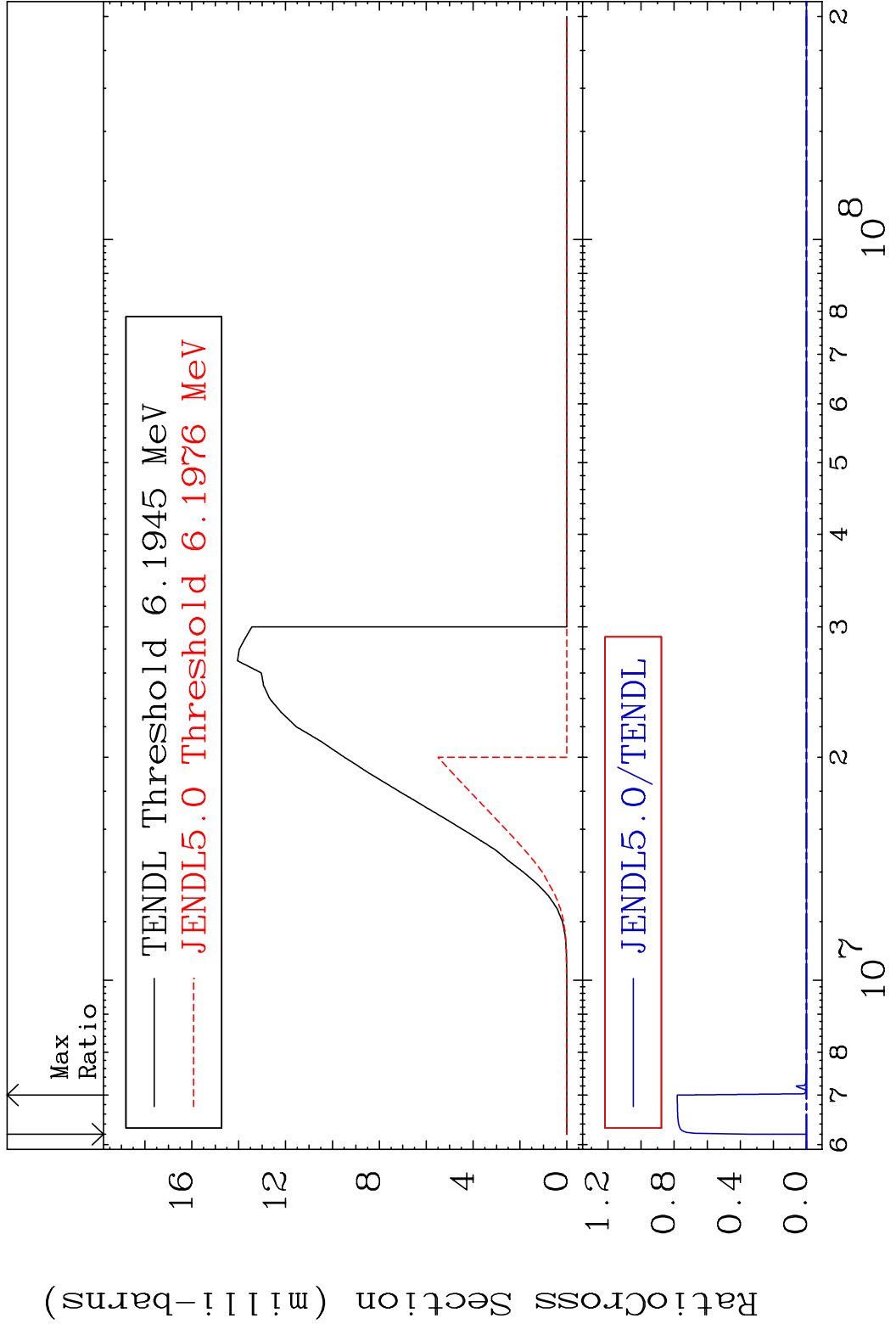
MAT 4025 (n,p):39-Y -90g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %



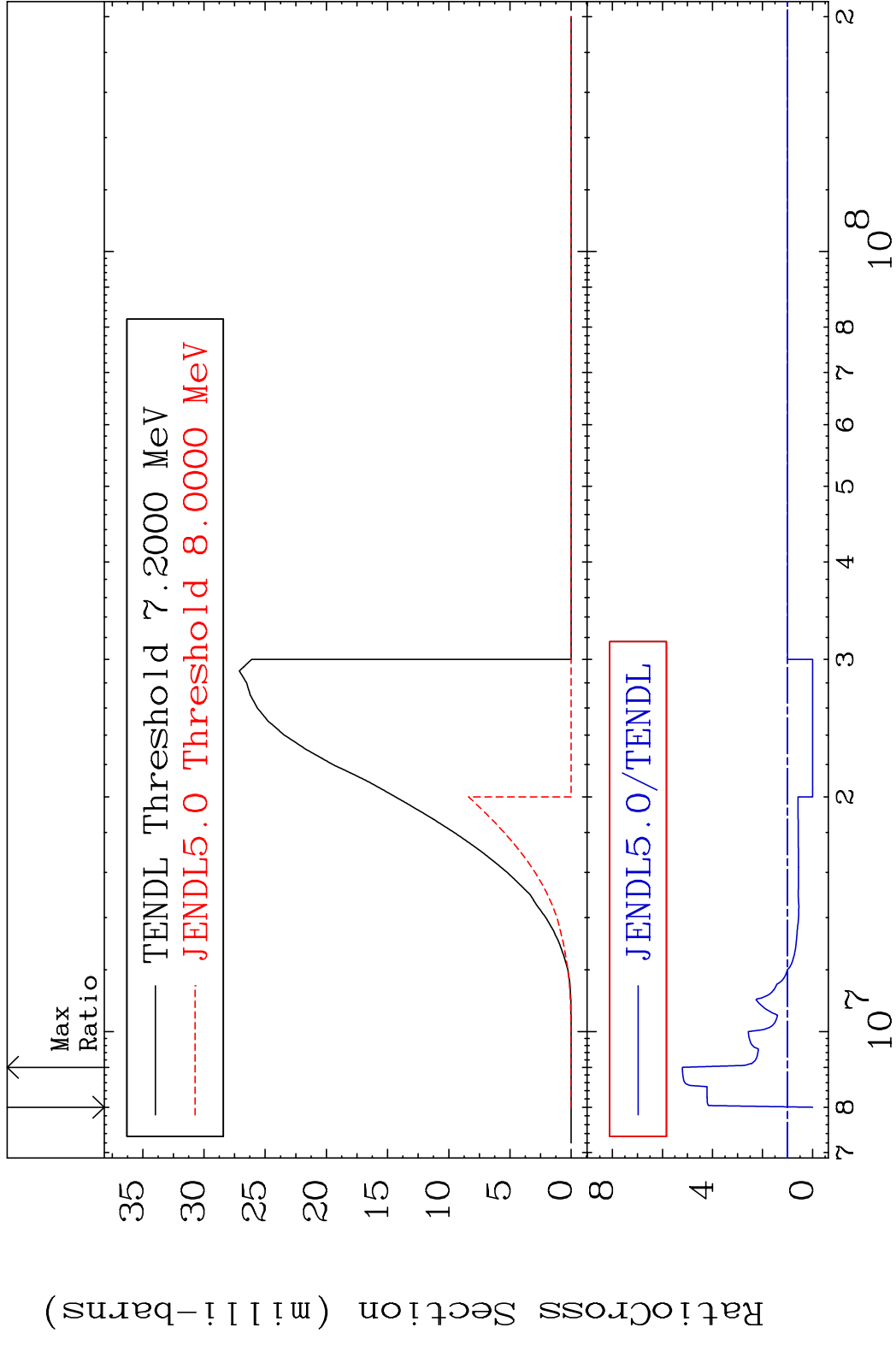
MAT 4025 (n,p):39-Y -90m2 40-Zr-90  
 Radionuclide Production Cross Section 180.0 dth 1196. %



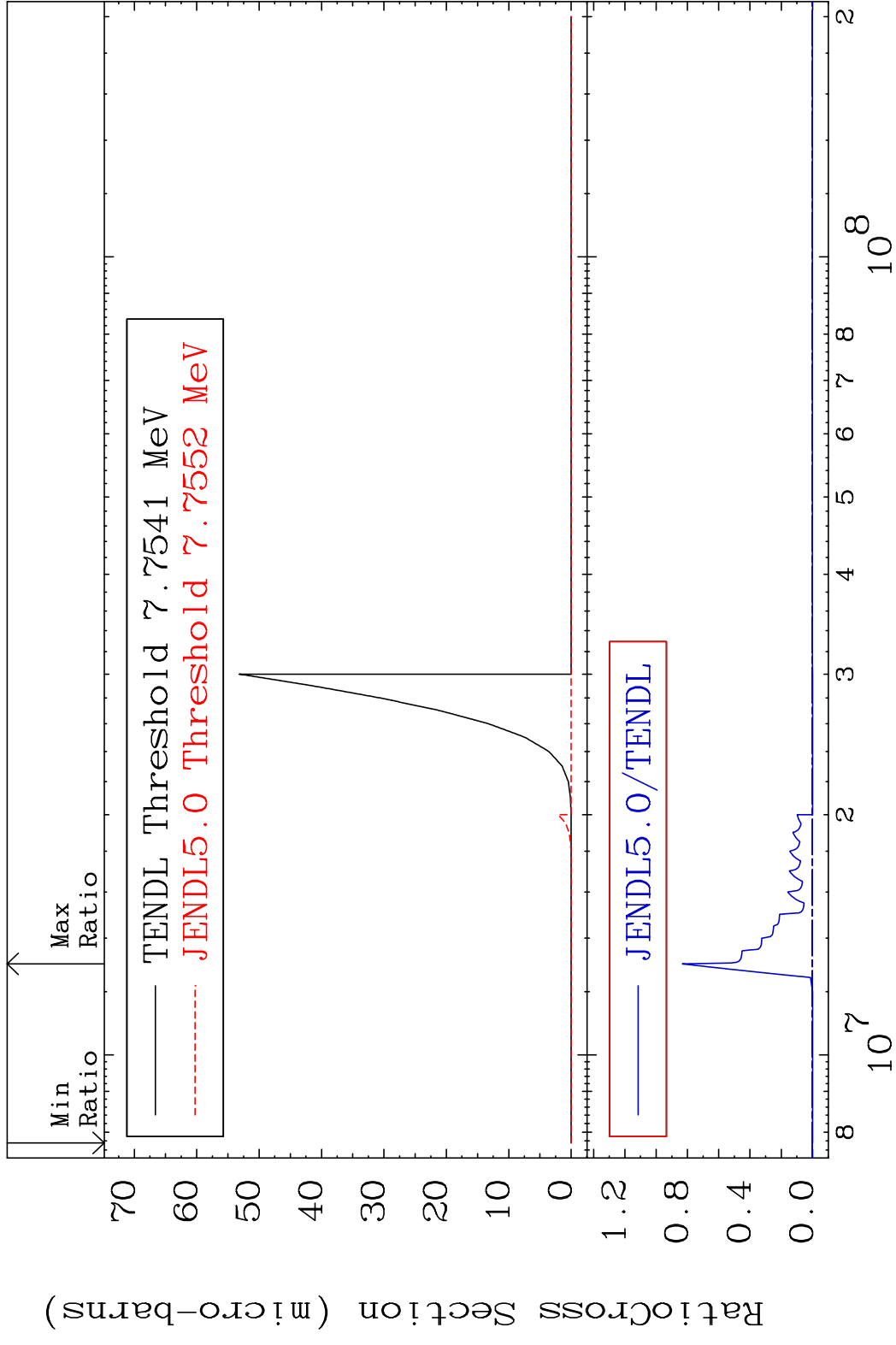
MAT 4025 (n,d):39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %

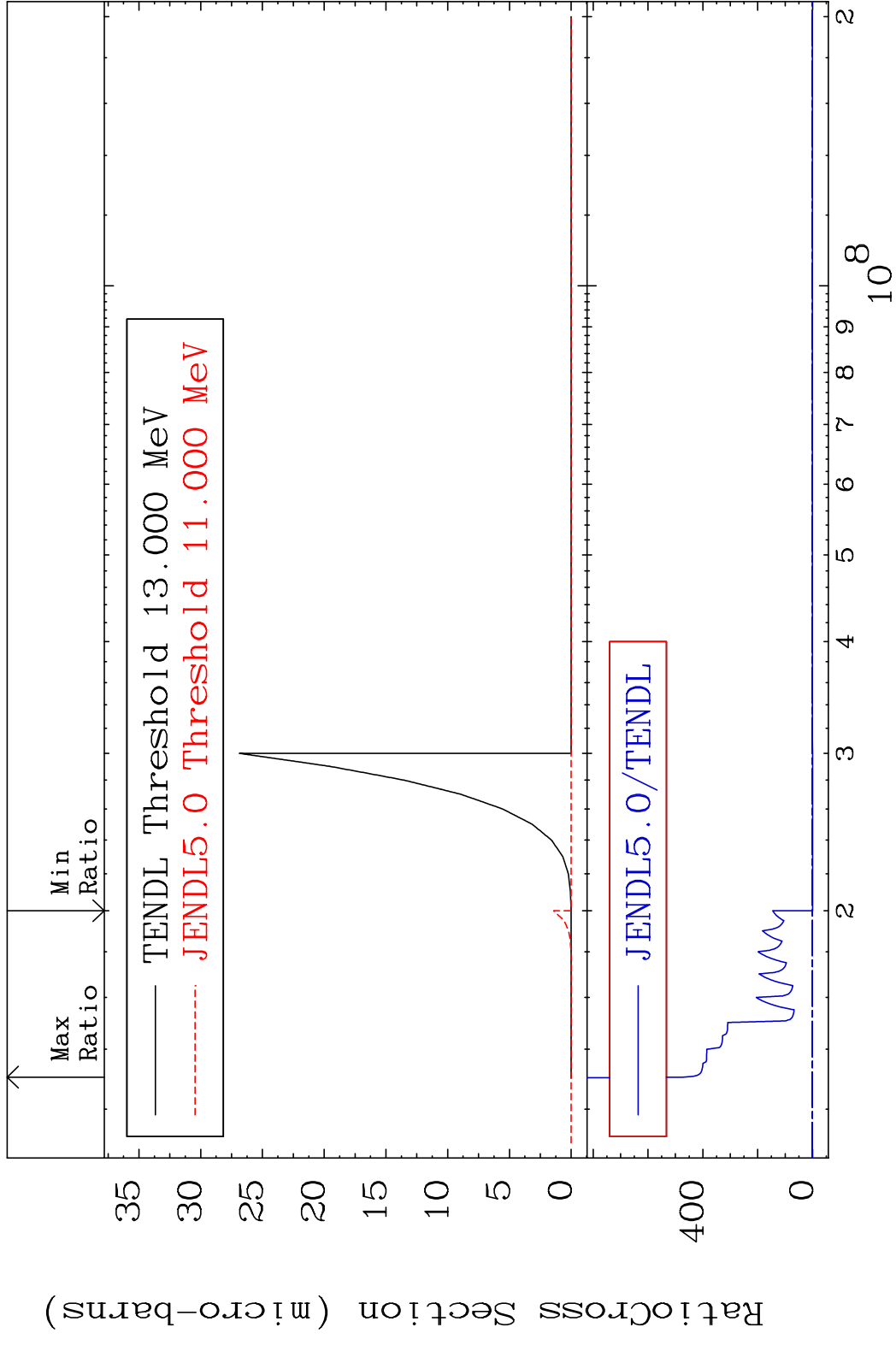


MAT 4025 (n,d):39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 420.4 %

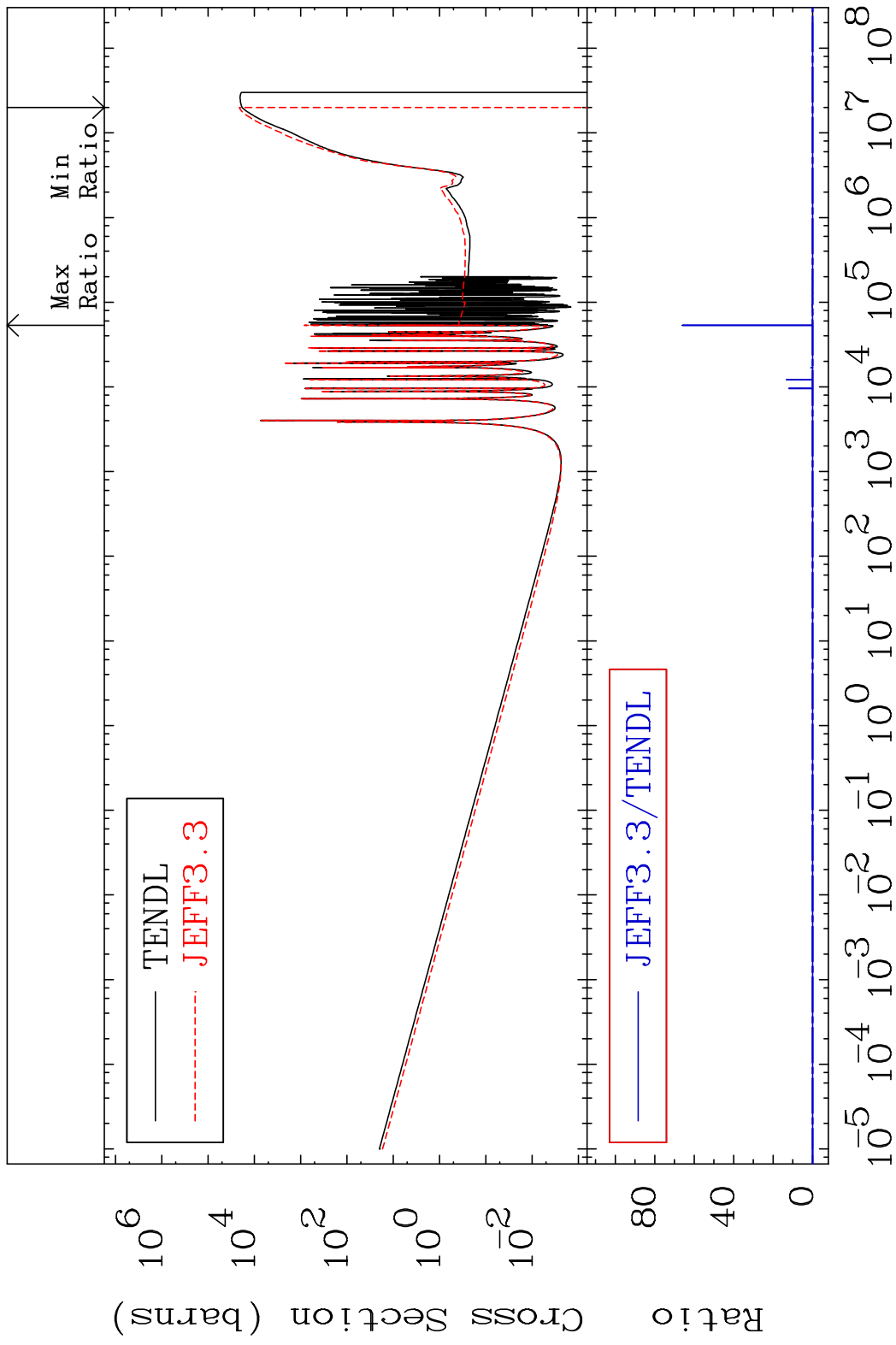


MAT 4025 (n,p)  $\alpha$ :37-Rb-86g 40-Zr-90  
 Radionuclide Production Cross Section 1800.0 dth 9999. %





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



52 Incident Energy (eV) 40-Zr-90