

Program Complot  
(Version 2021-1)

by

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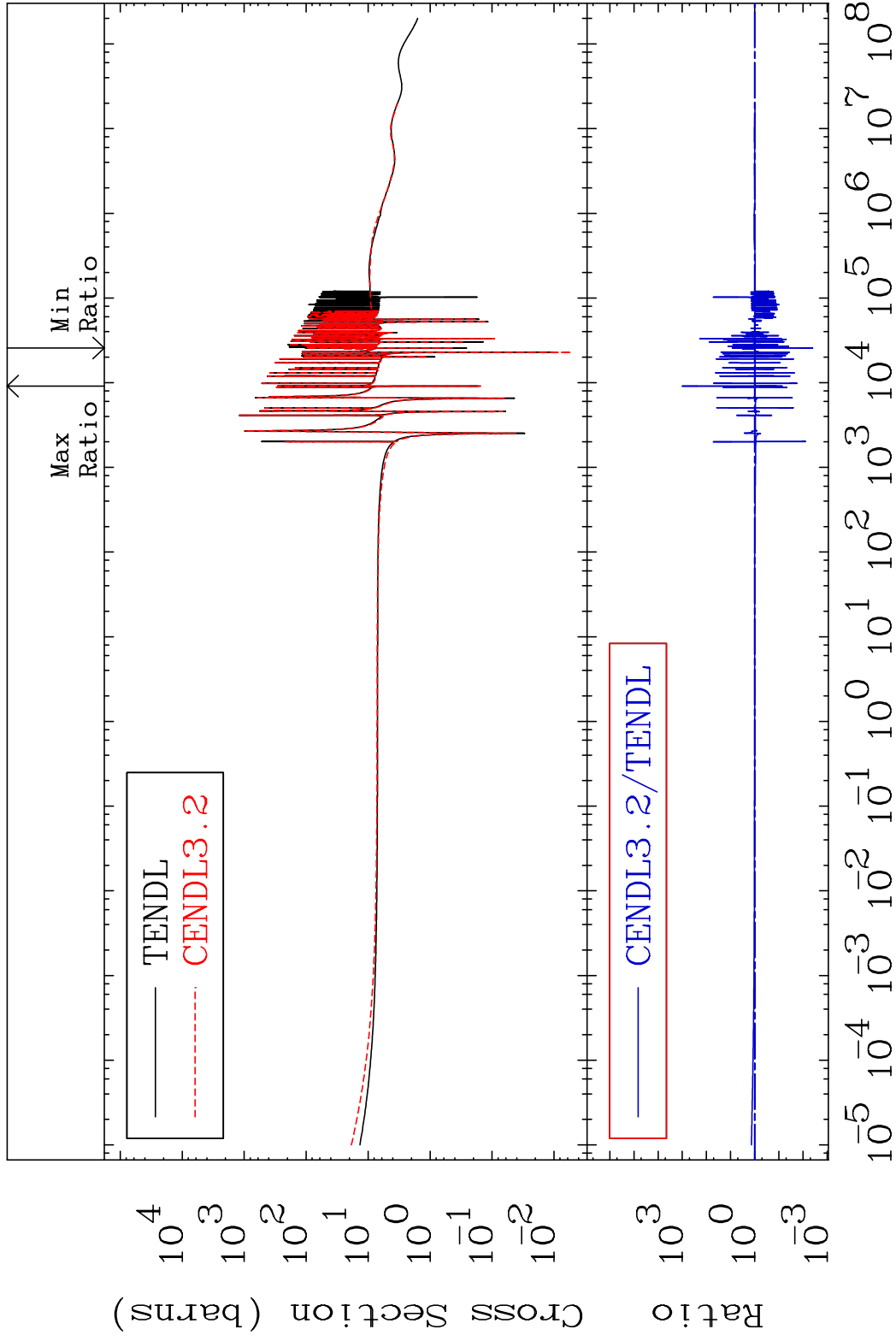
Press Mouse Button to Start

MAT 4031

Total

40-Zr-92

Cross Section -99.59 To 9999. %



1

Incident Energy (eV)

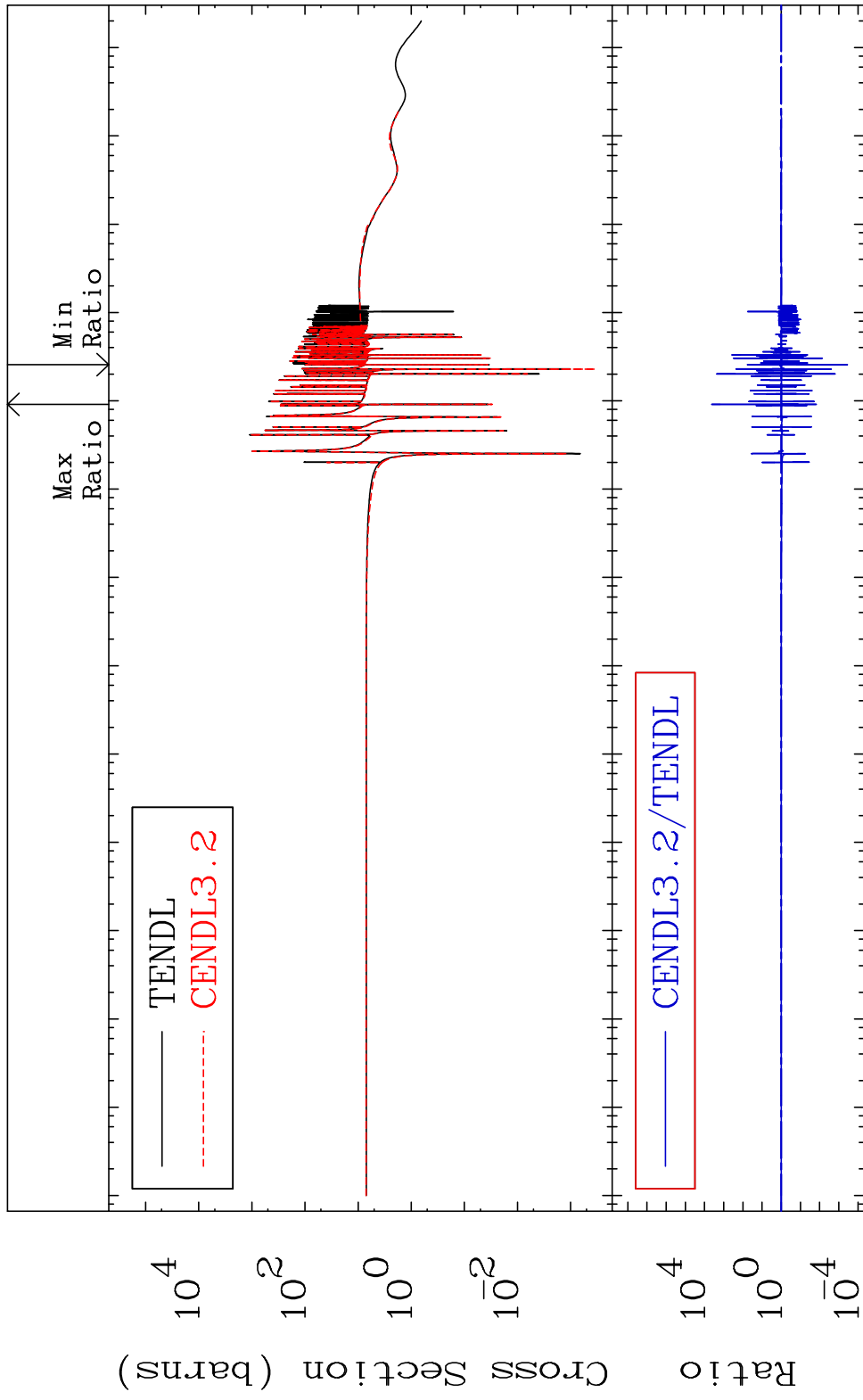
40-Zr-92

MAT 4031

Elastic

40-Zr-92

Cross Section -99.96 To 9999. %



2

Incident Energy (eV)

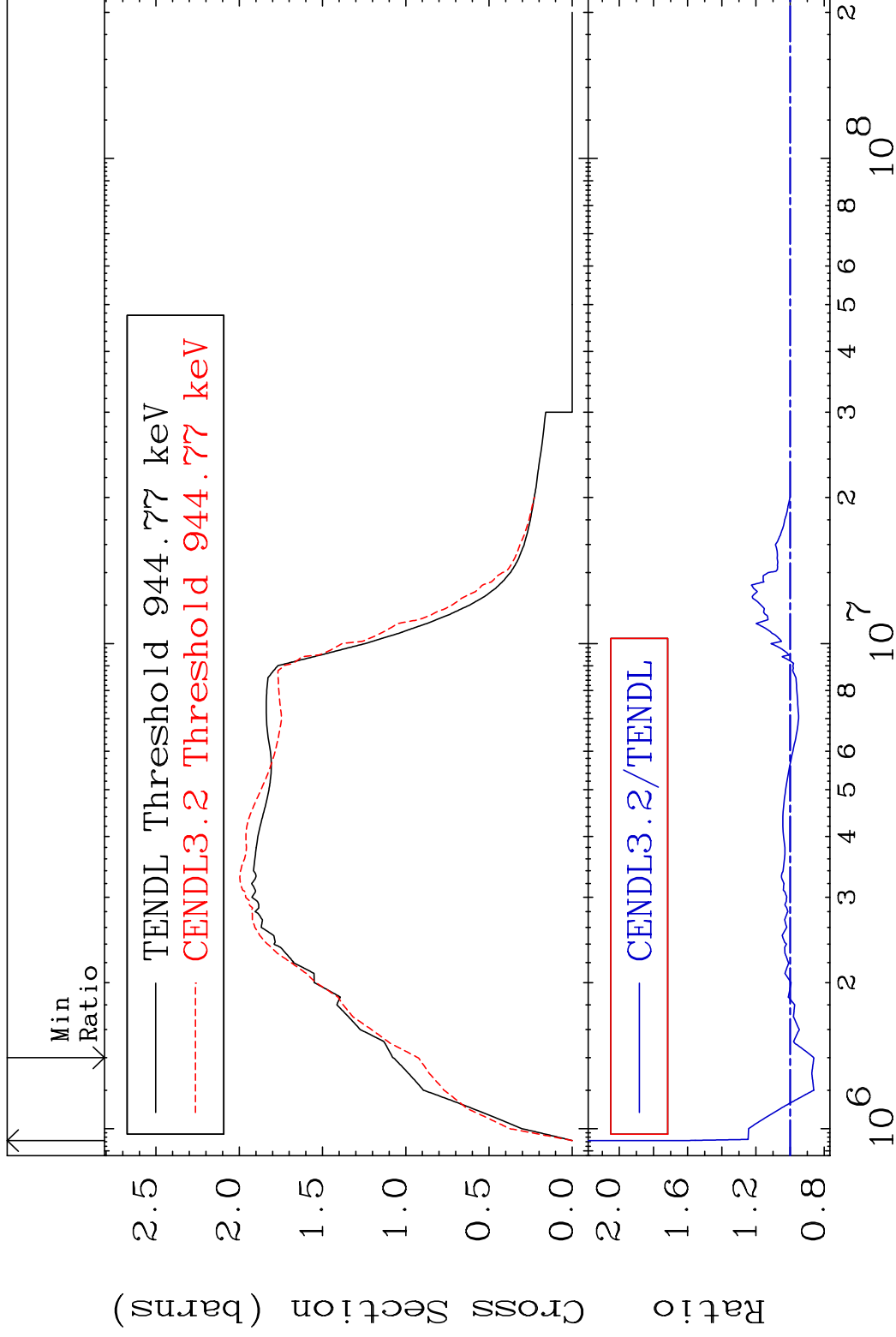
40-Zr-92

MAT 4031

Inelastic

40-Zr-92

Cross Section -14.04 To 62.33 %

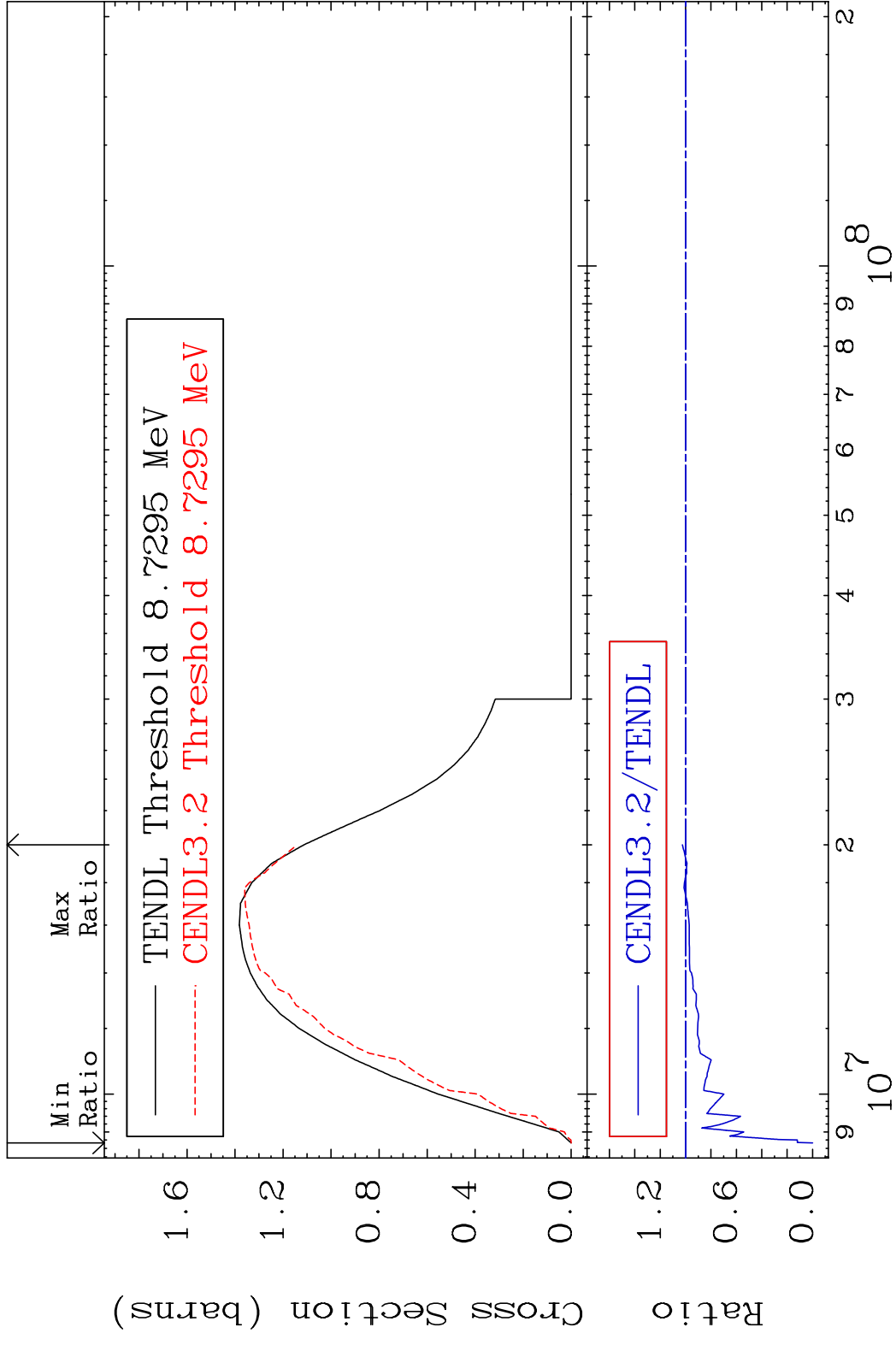


3

Incident Energy (eV)

40-Zr-92

MAT 4031 (n,2n) 40-Zr-92  
 Cross Section -100.0 To 2.520 %



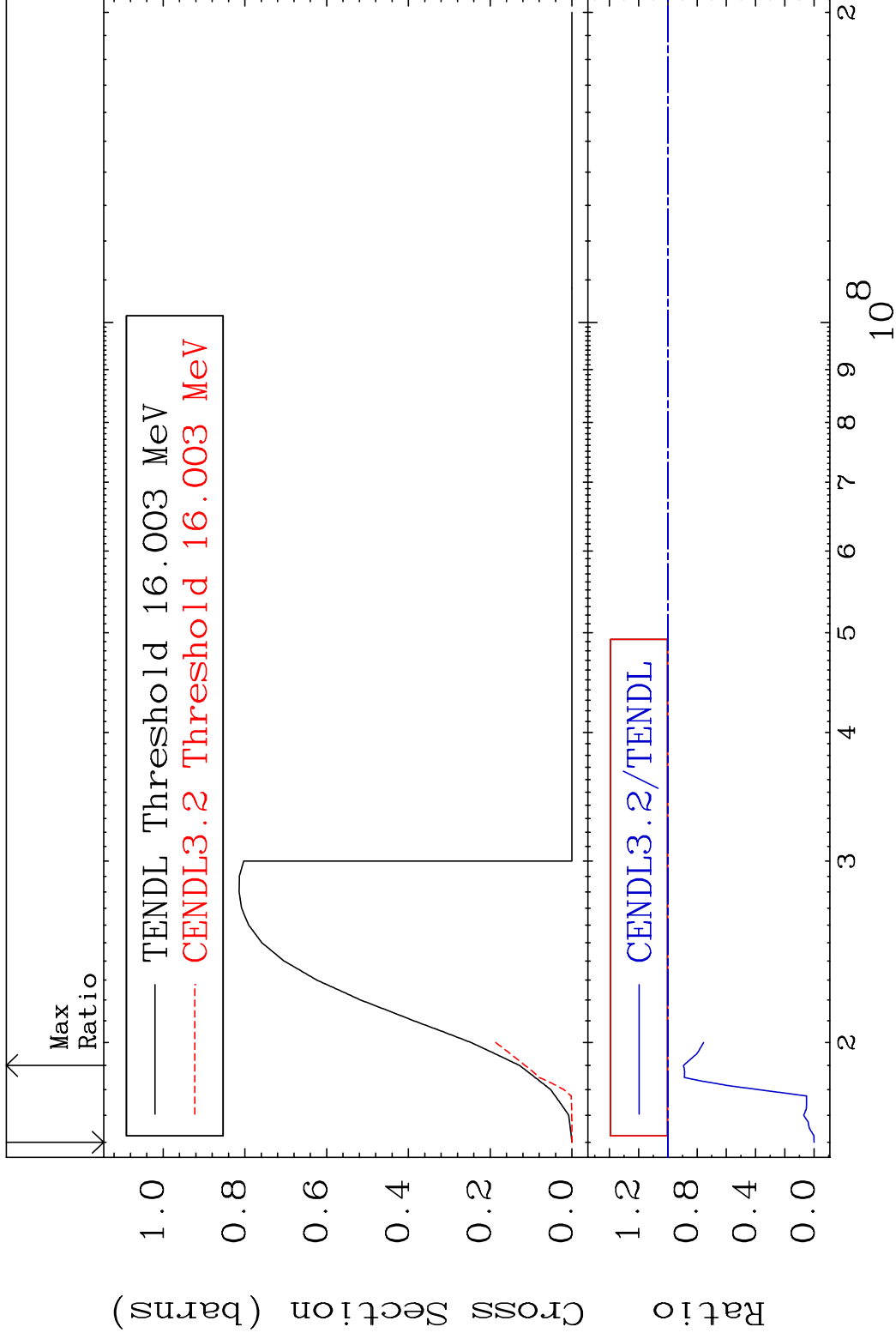
4 40-Zr-92

MAT 4031

(n,3n)

40-Zr-92

Cross Section -100.0 To -10.66%



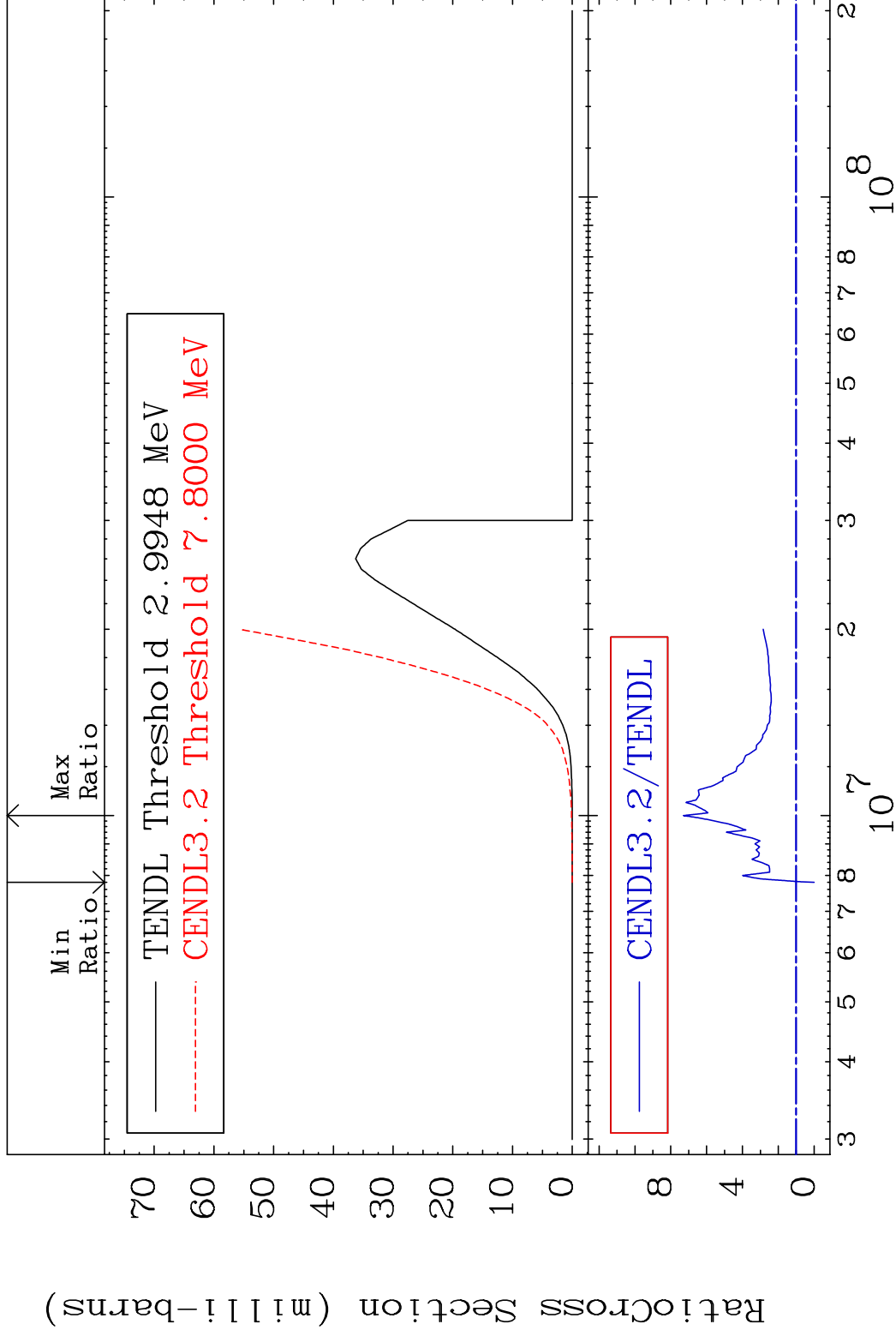
5

Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n')  $\alpha$  40-Zr-92  
Cross Section -100.0 To 628.1 %



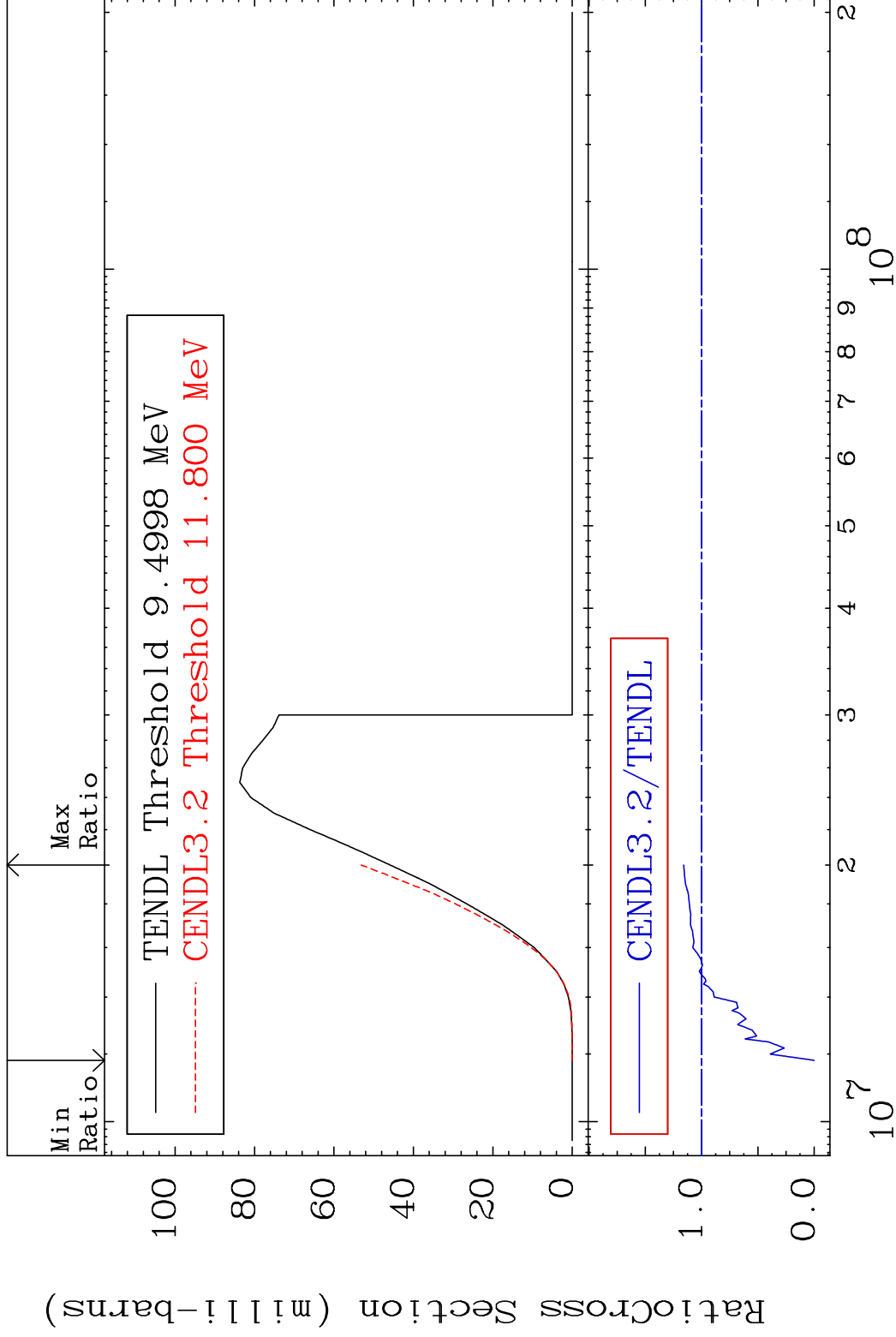
6

Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') p 40-Zr-92  
Cross Section -100.0 To 15.91 %



7 Incident Energy (eV) 40-Zr-92

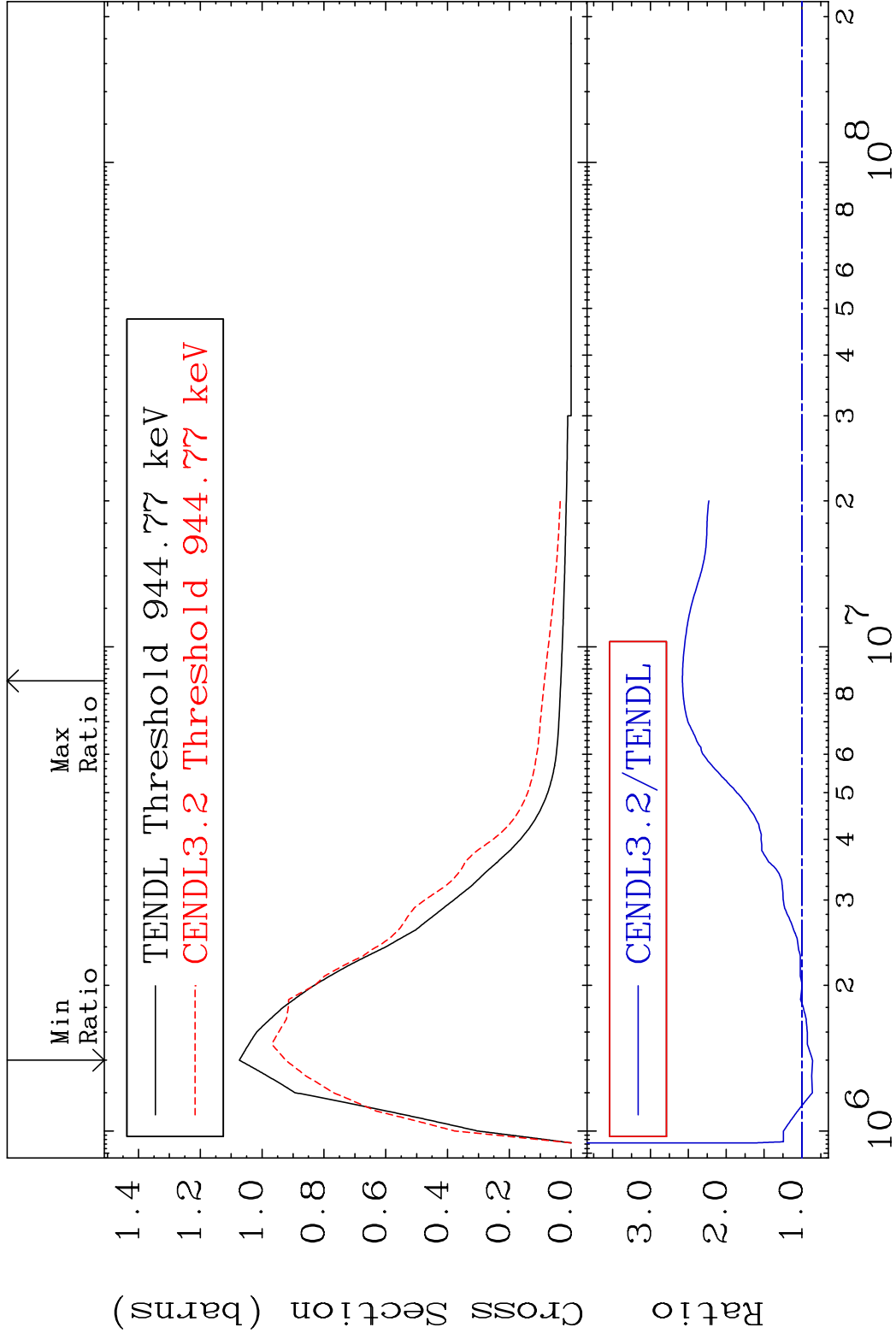


MAT 4031

MT= 51 (n, n') Level

40-Zr-92

Cross Section -13.96 To 157.9 %

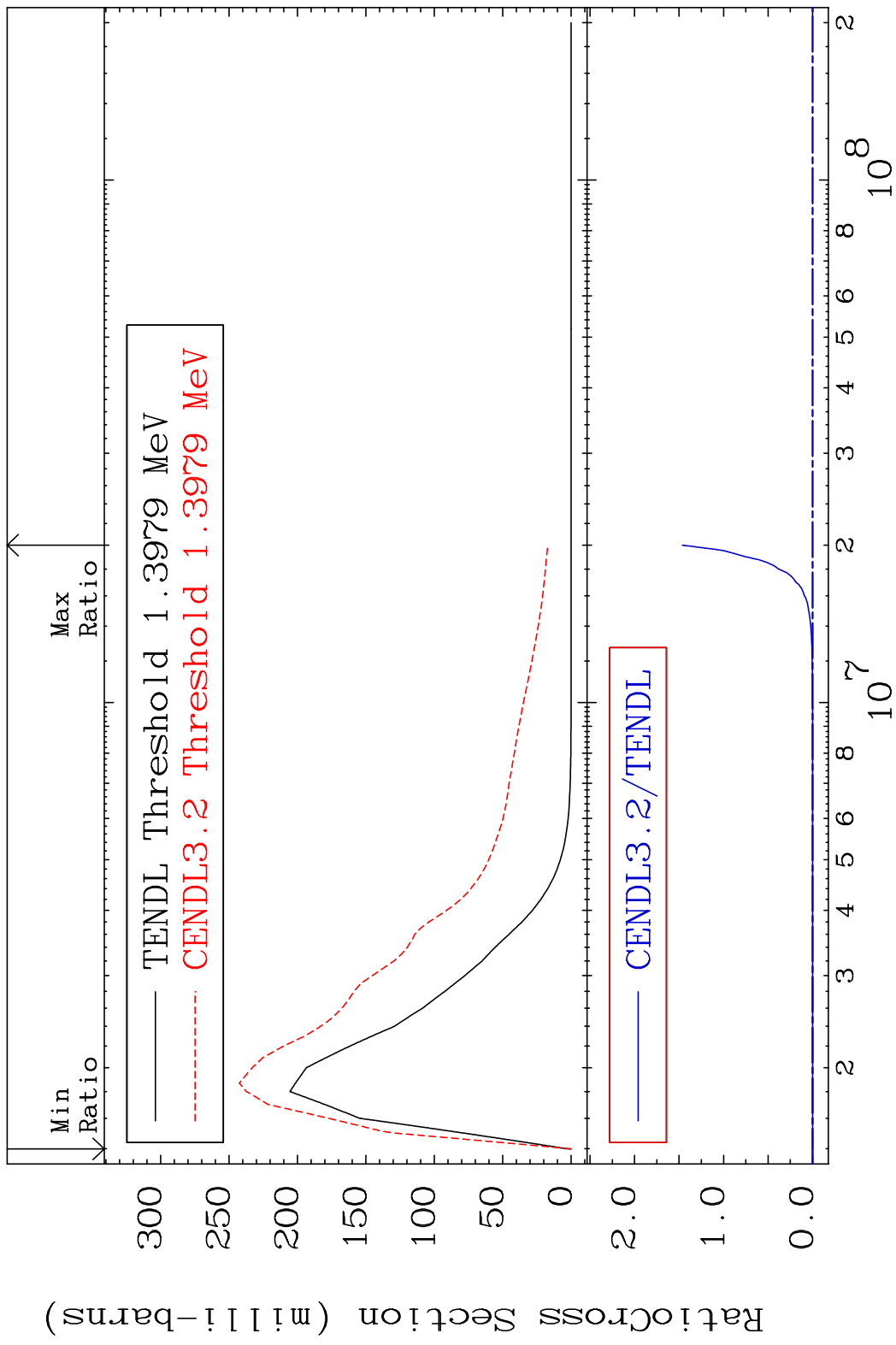


8

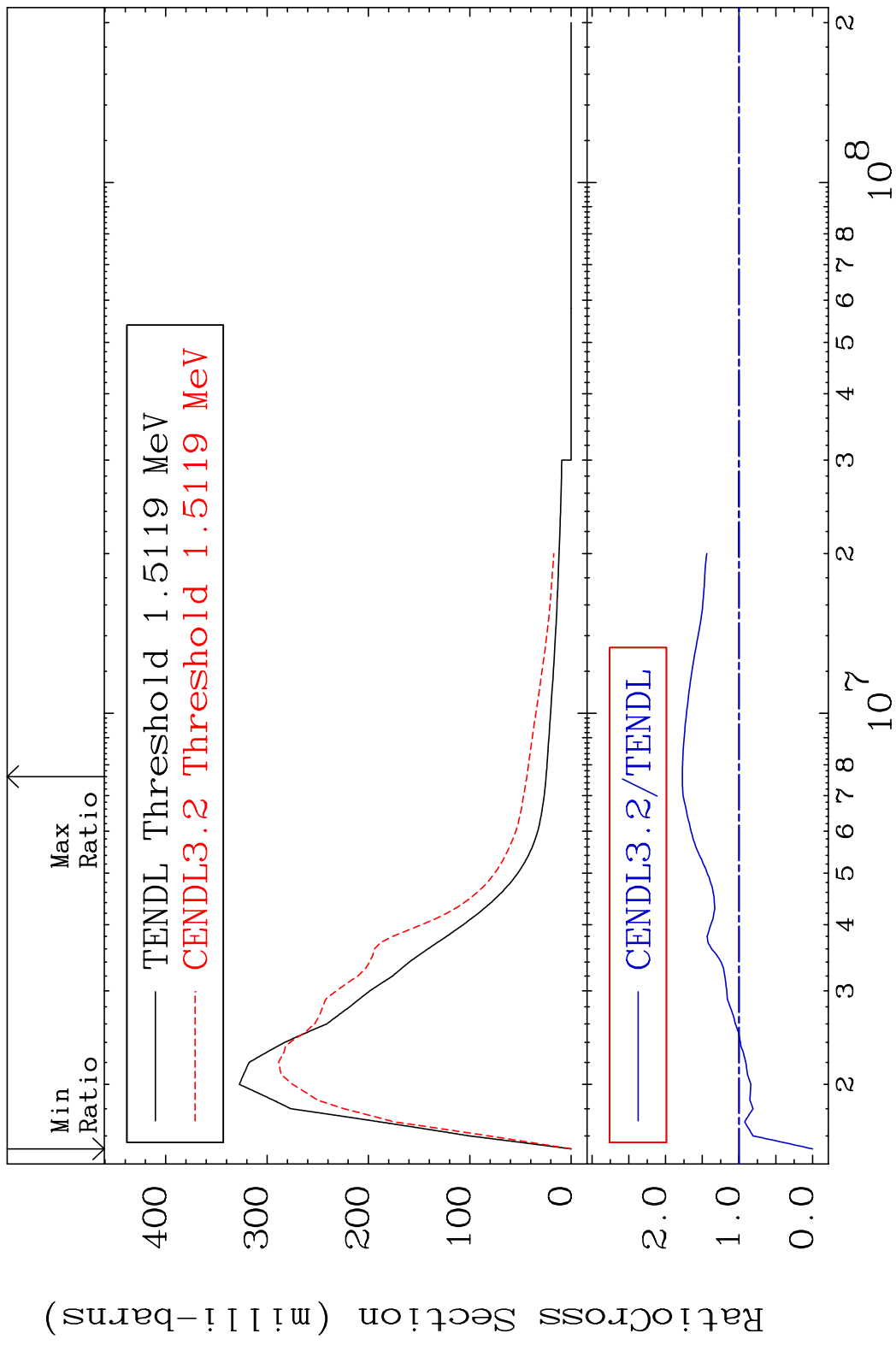
Incident Energy (eV)

40-Zr-92

MAT 4031 MT= 52 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 9999. %



MAT 4031 MT= 53 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 77.15 %

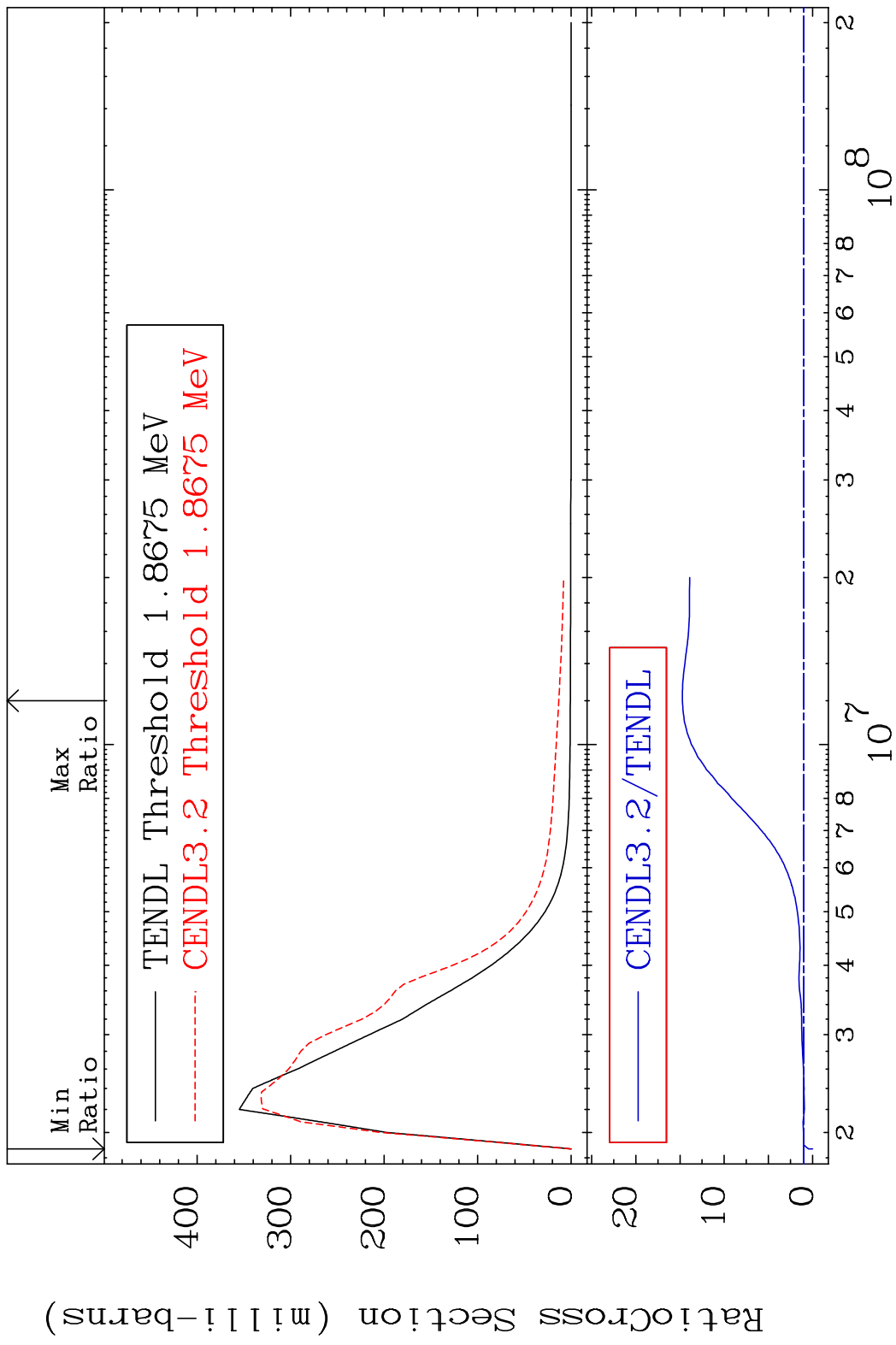


10

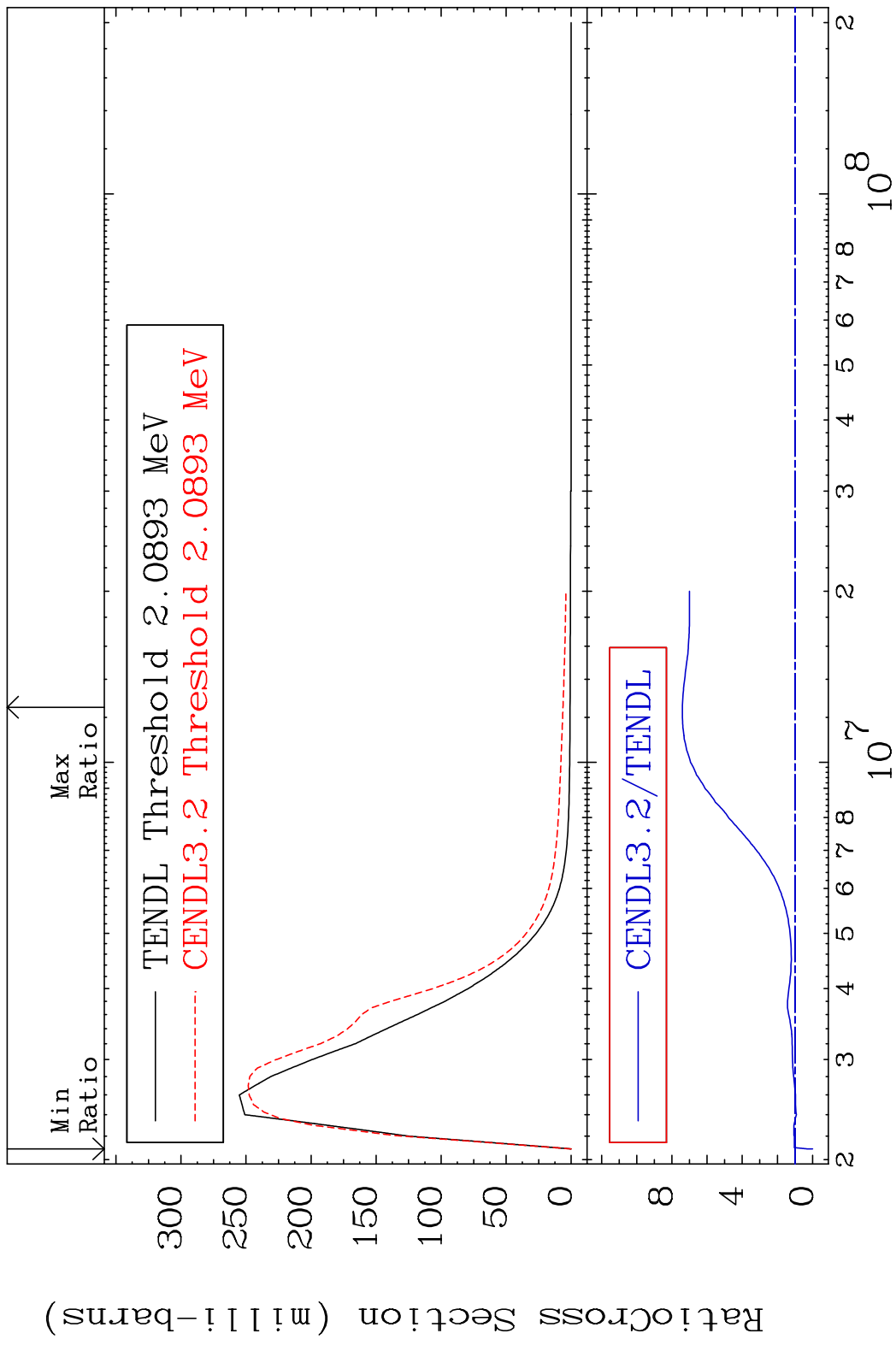
Incident Energy (eV)

40-Zr-92

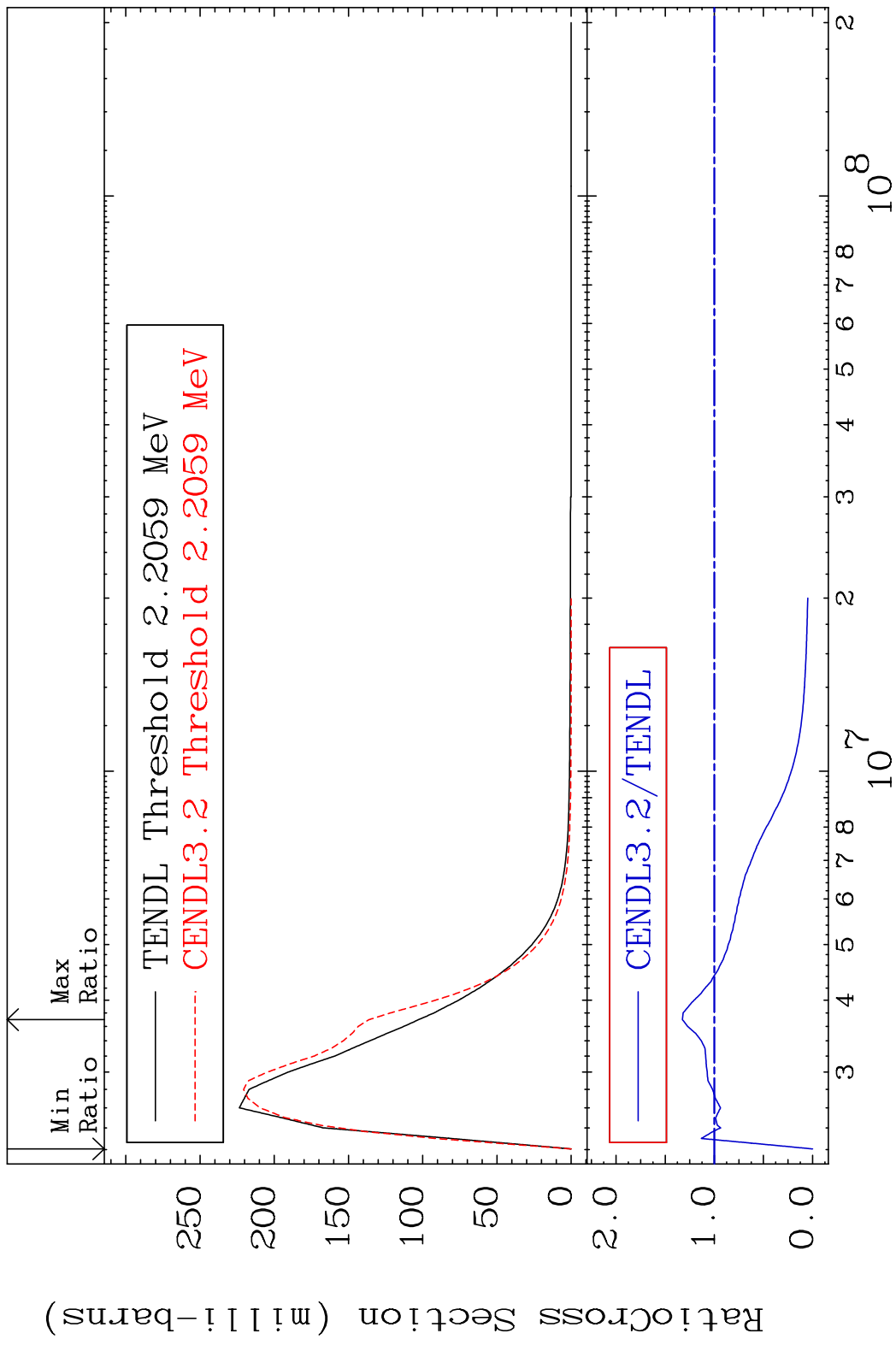
MAT 4031 MT= 54 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 1373. %



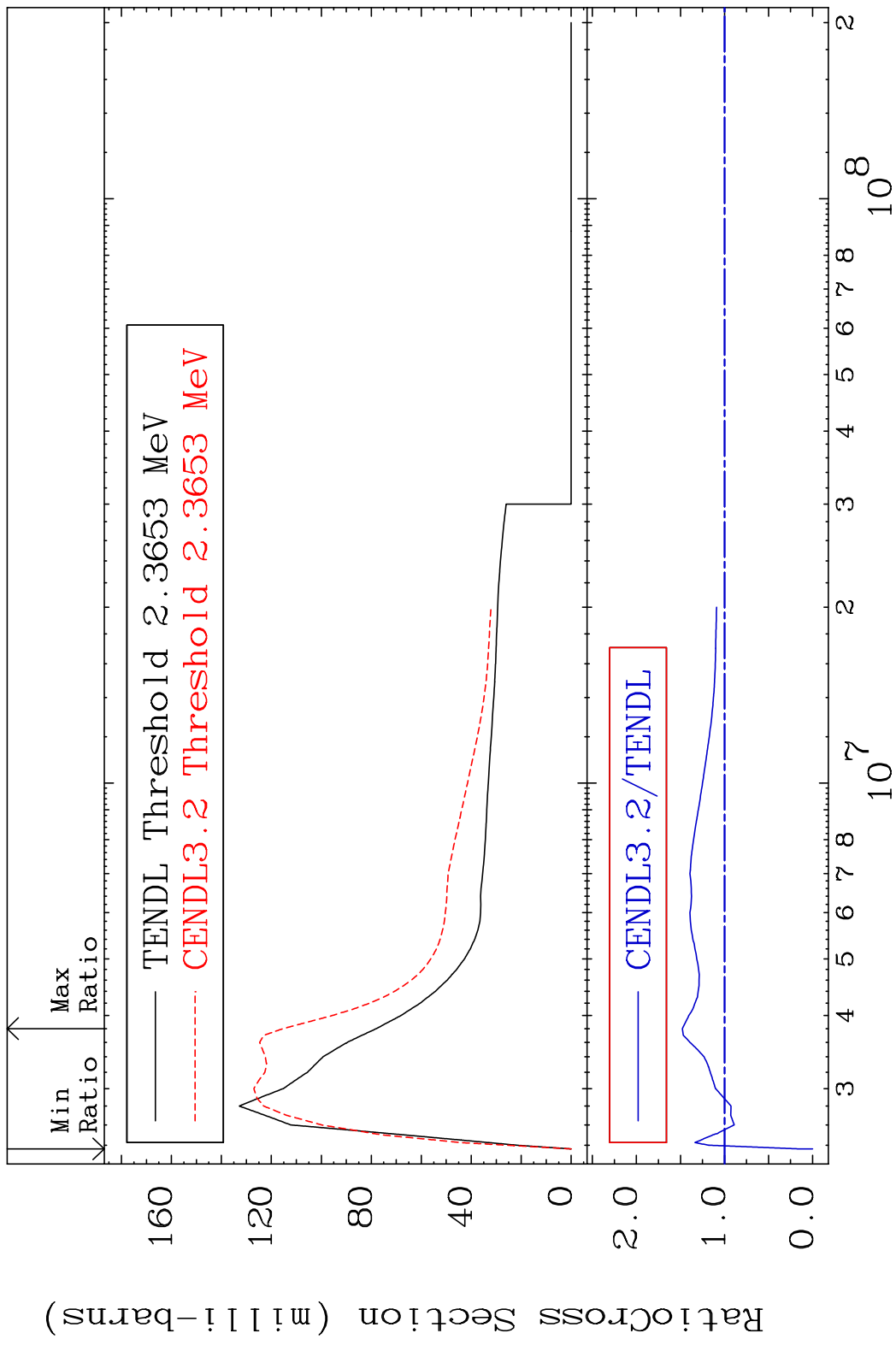
MAT 4031 MT= 55 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 640.5 %



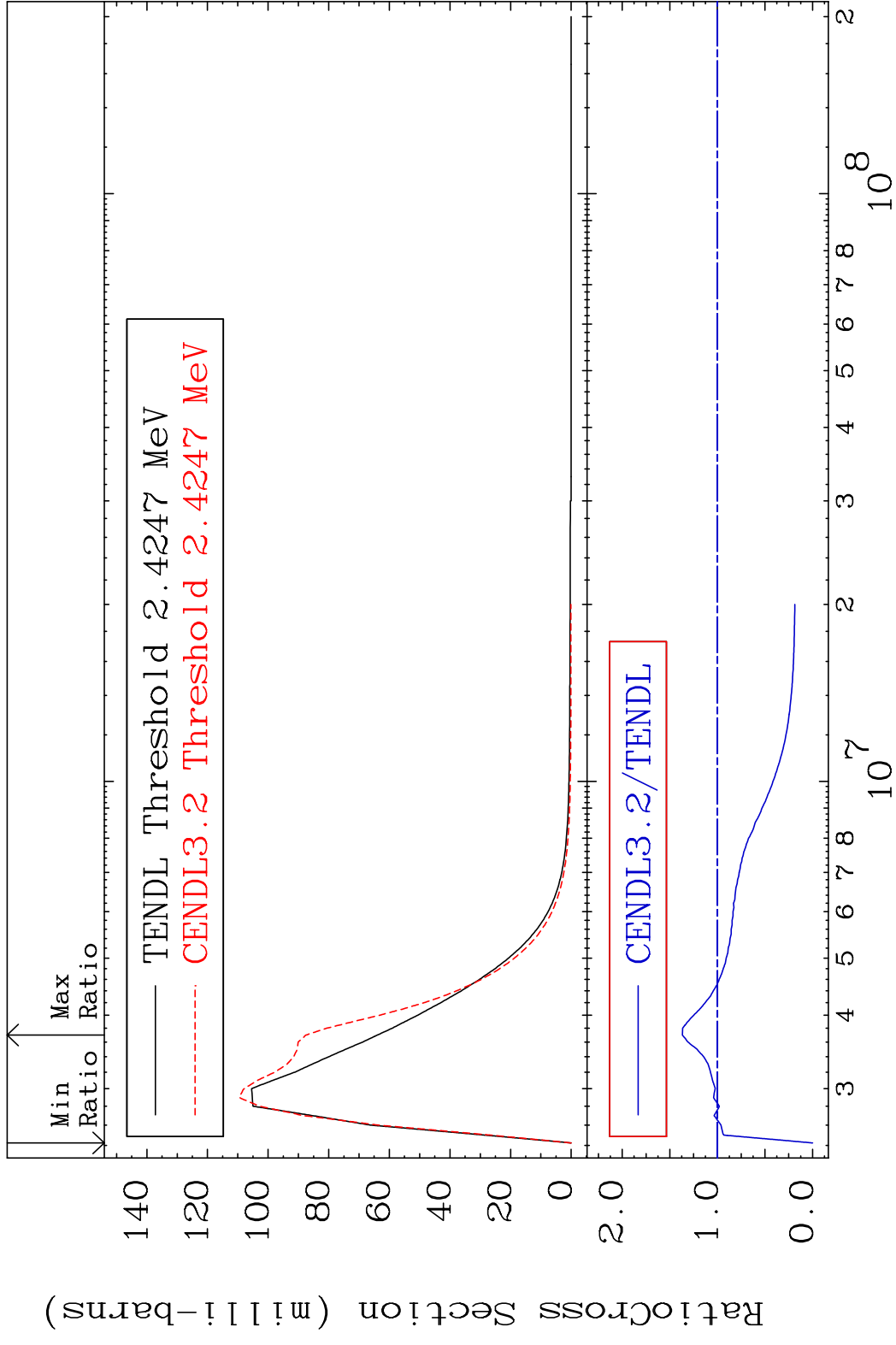
MAT 4031 MT= 56 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 32.52 %



MAT 4031 MT= 57 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 47.86 %

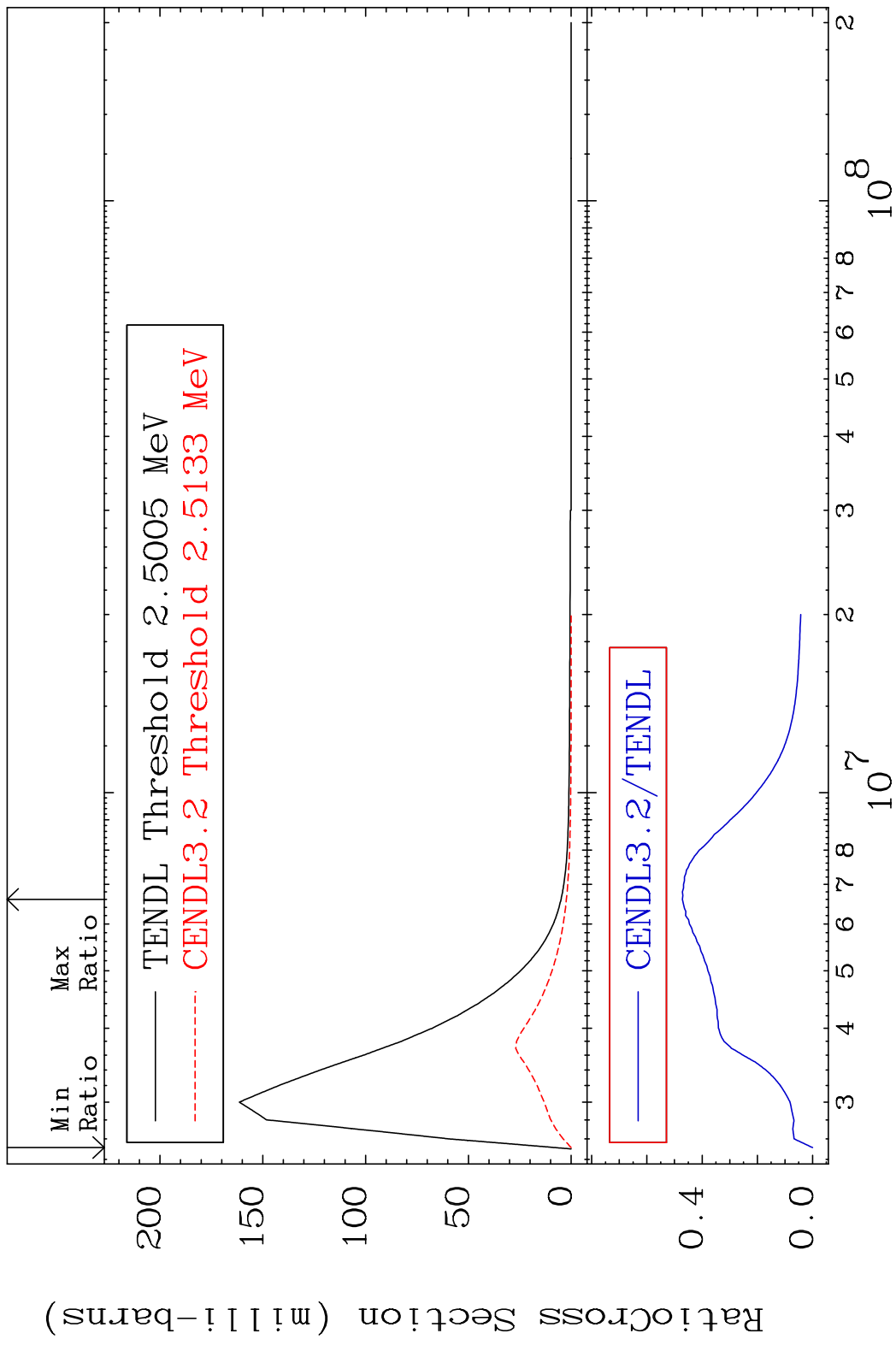


MAT 4031 MT= 58 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 36.82 %



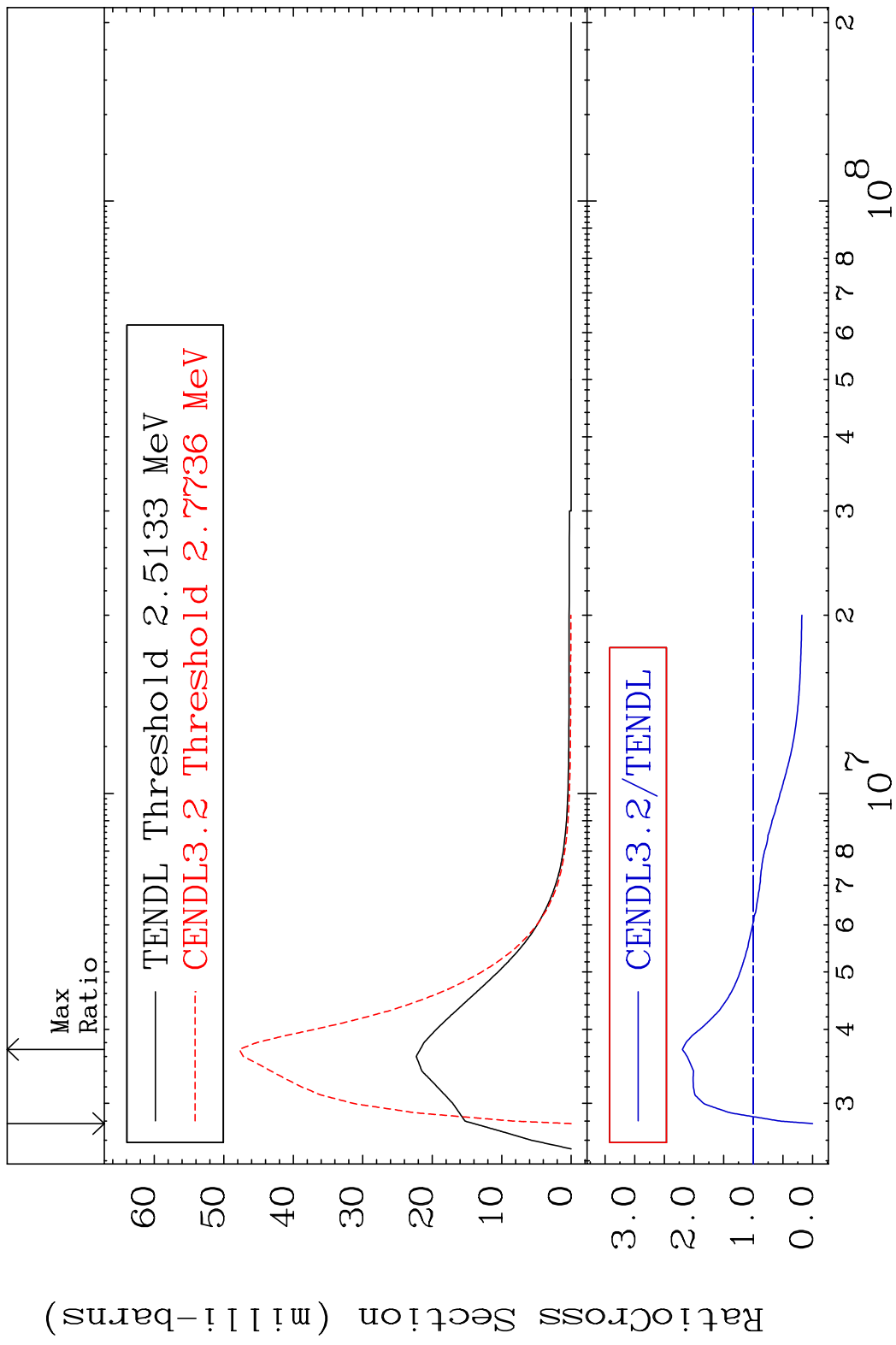


MAT 4031 MT= 59 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To -52.84%



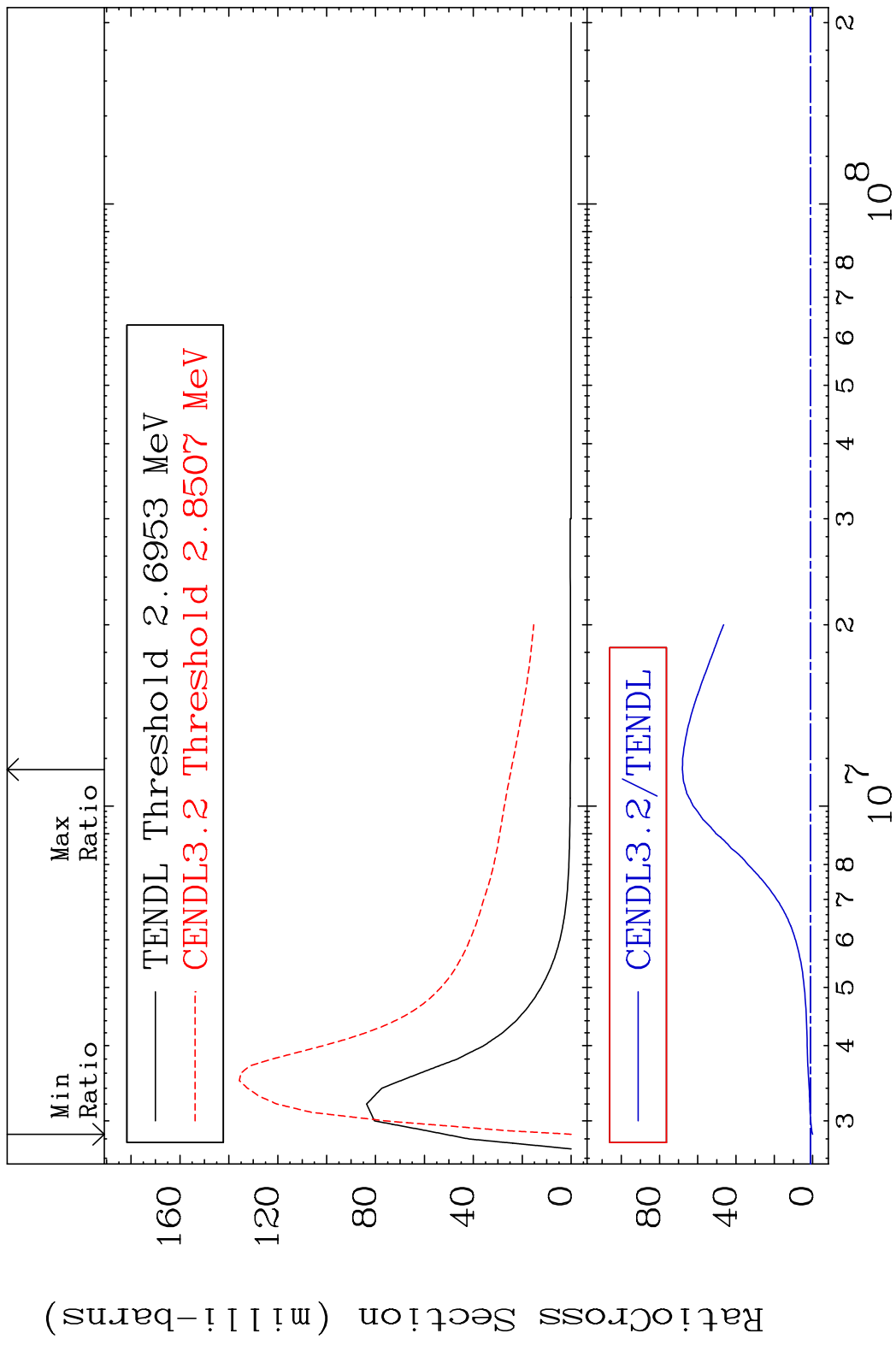
16 Incident Energy (eV) 40-Zr-92

MAT 4031 MT= 60 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 119.7 %



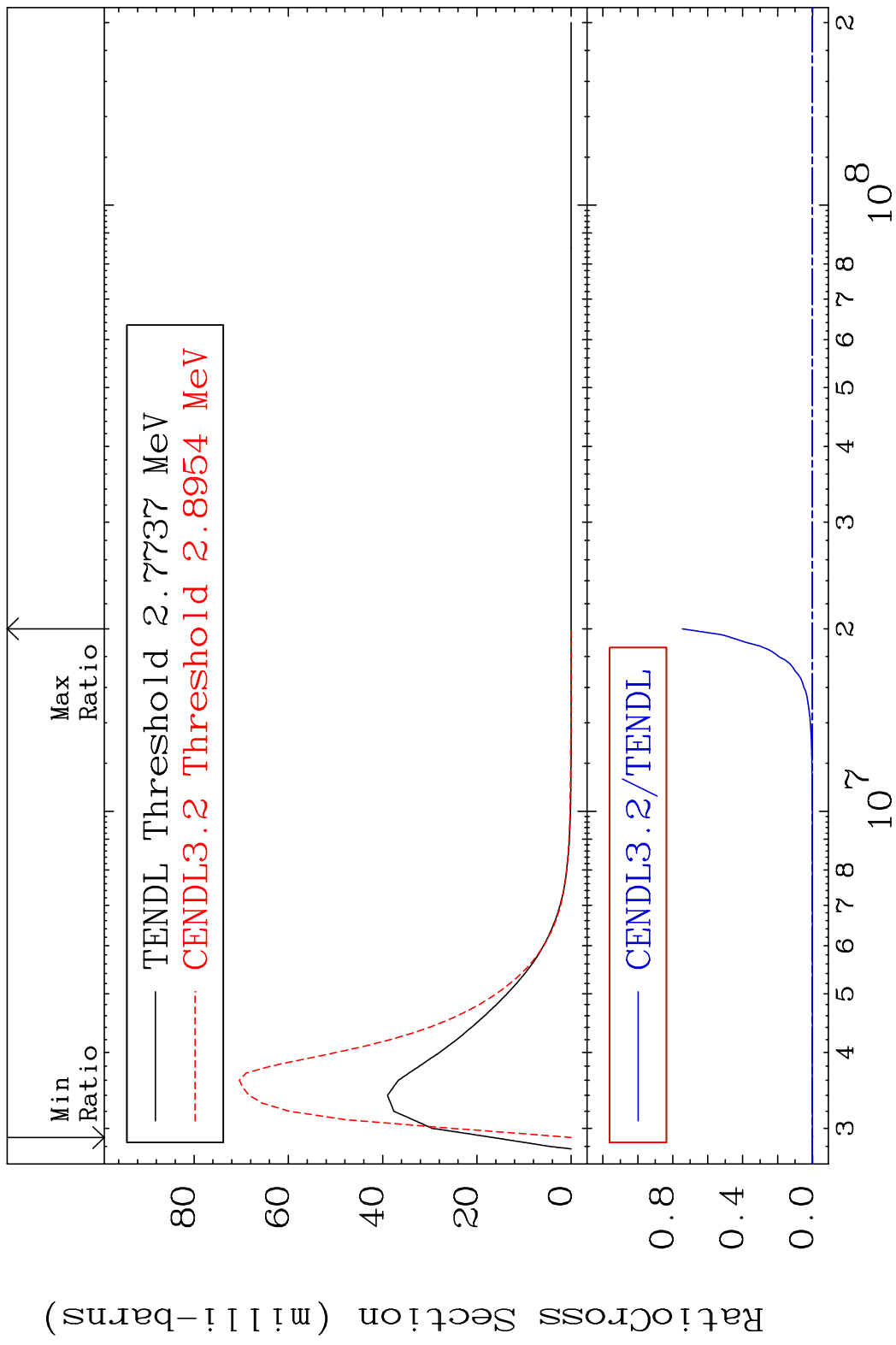
17 Incident Energy (eV) 40-Zr-92

MAT 4031 MT= 61 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 6705. %

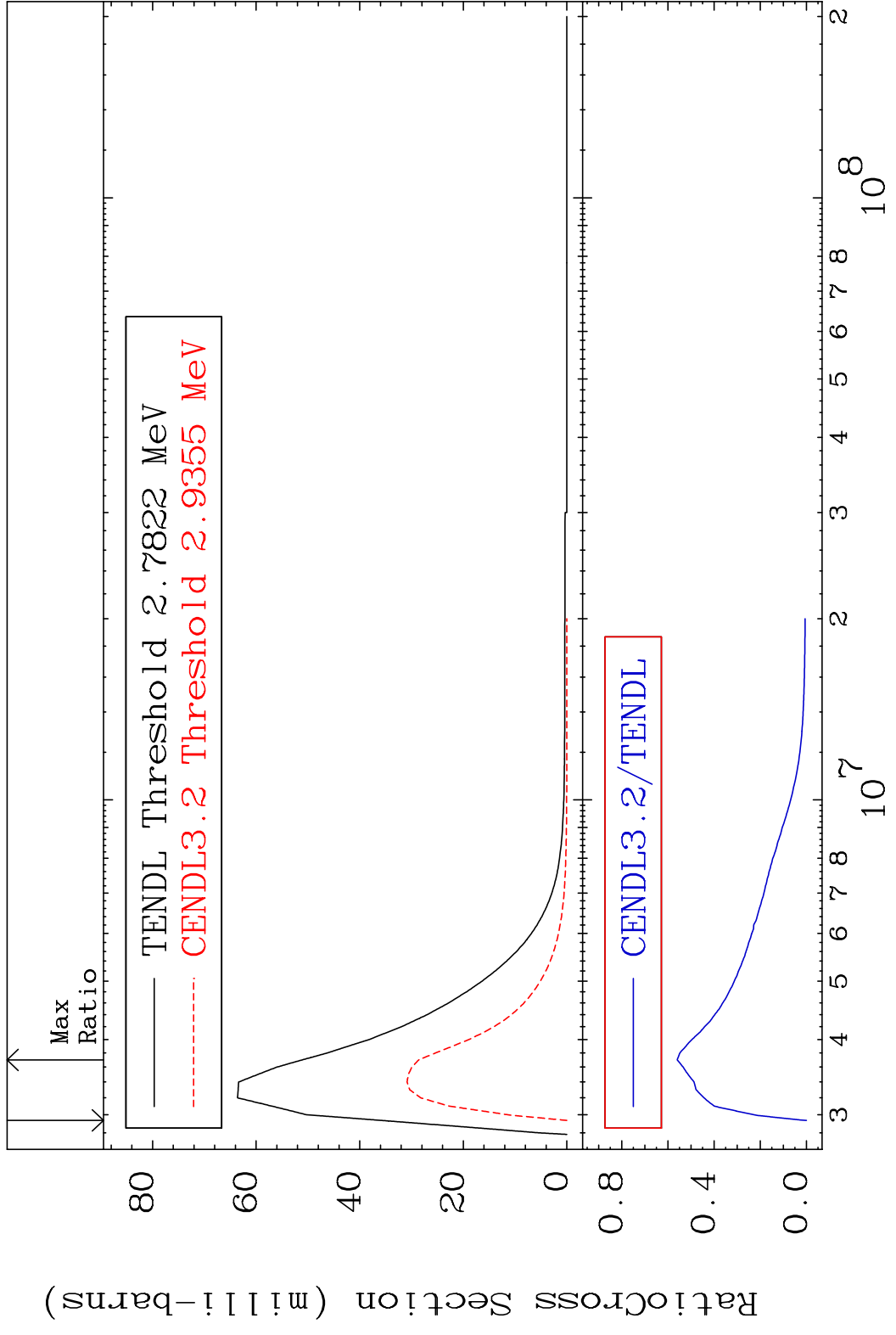


18 18 Incident Energy (eV) 40-Zr-92

MAT 4031 MT= 62 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 9999. %

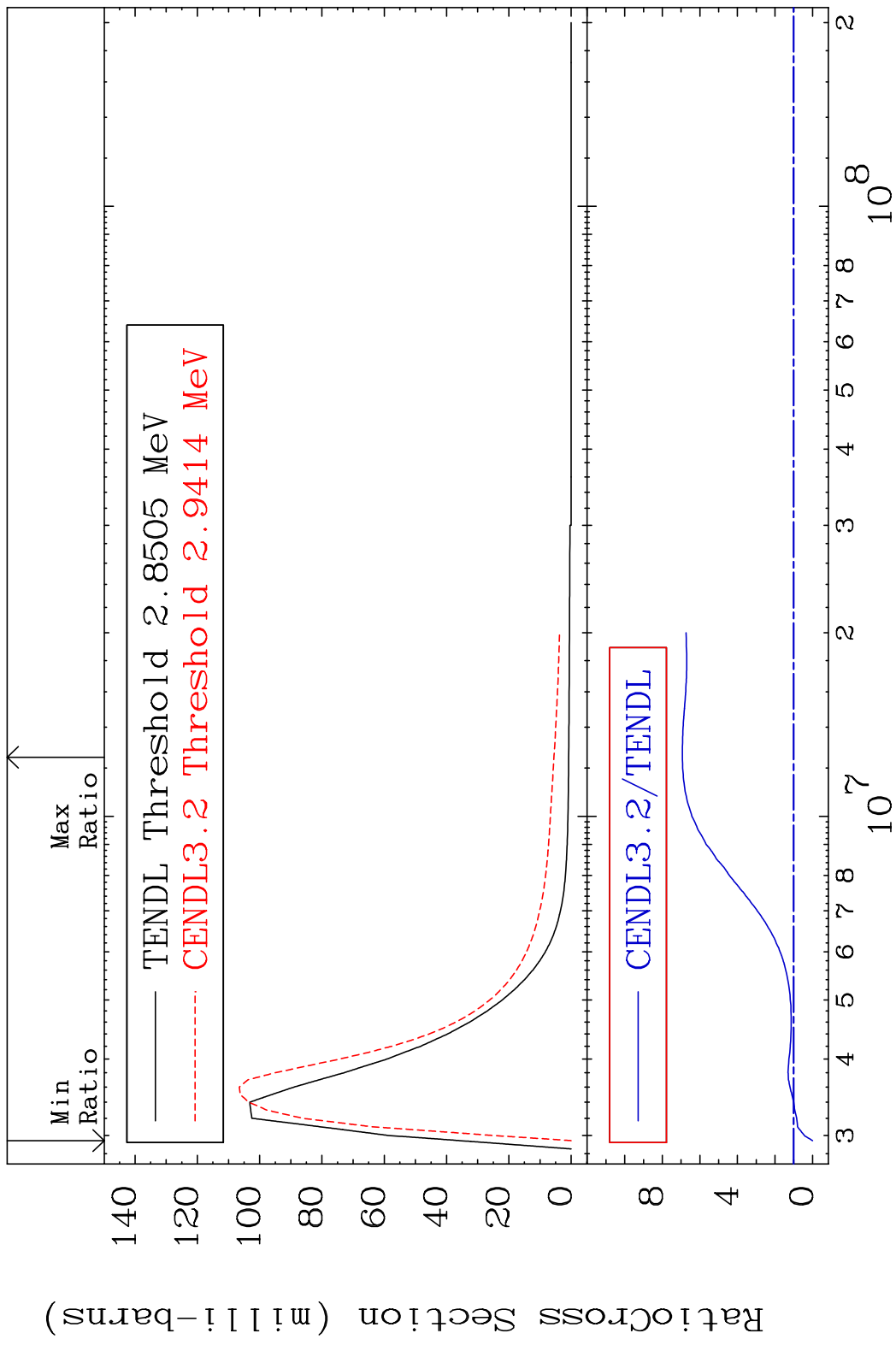


MAT 4031 MT= 63 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To -44.01%

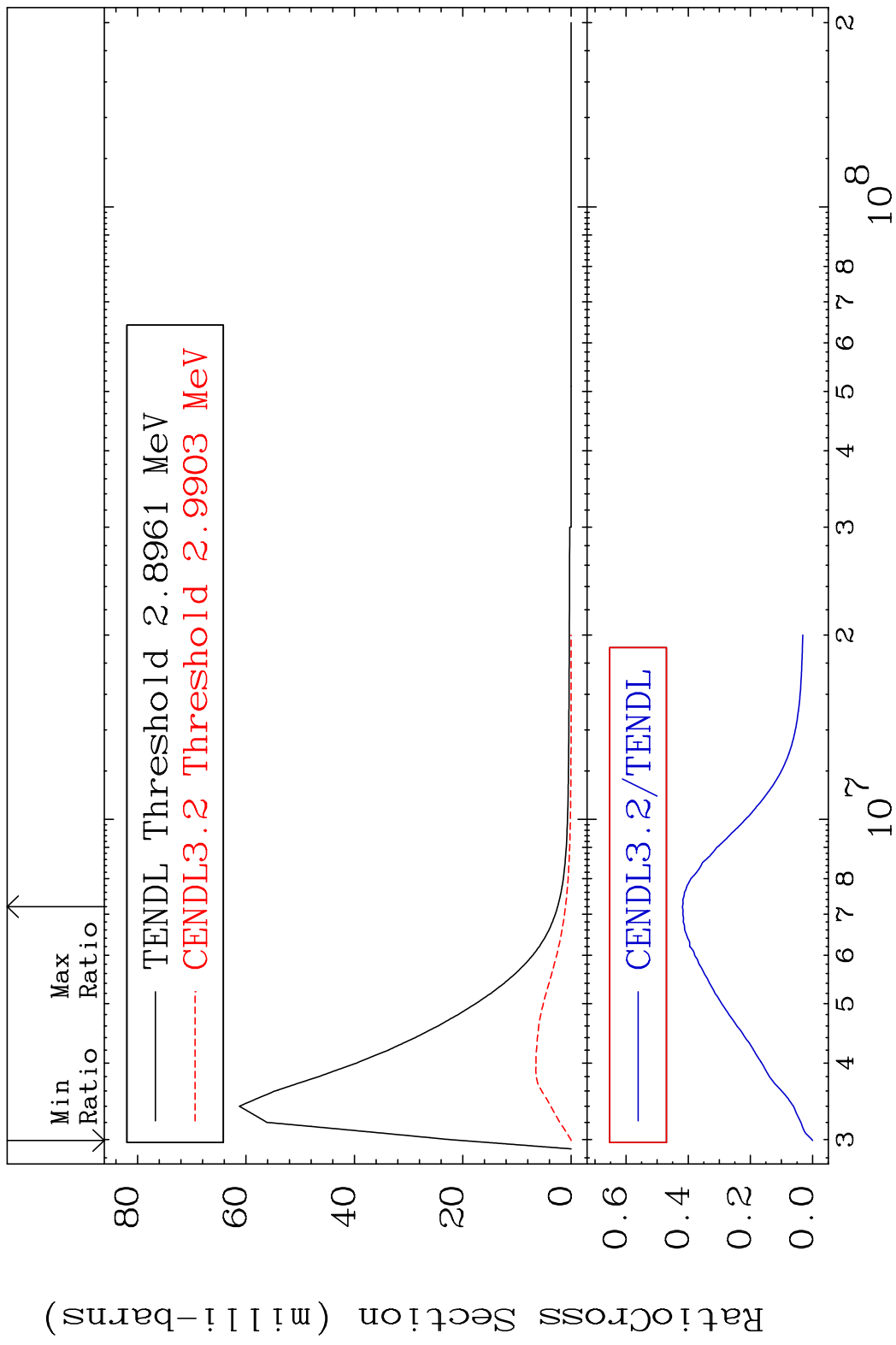


20 40-Zr-92

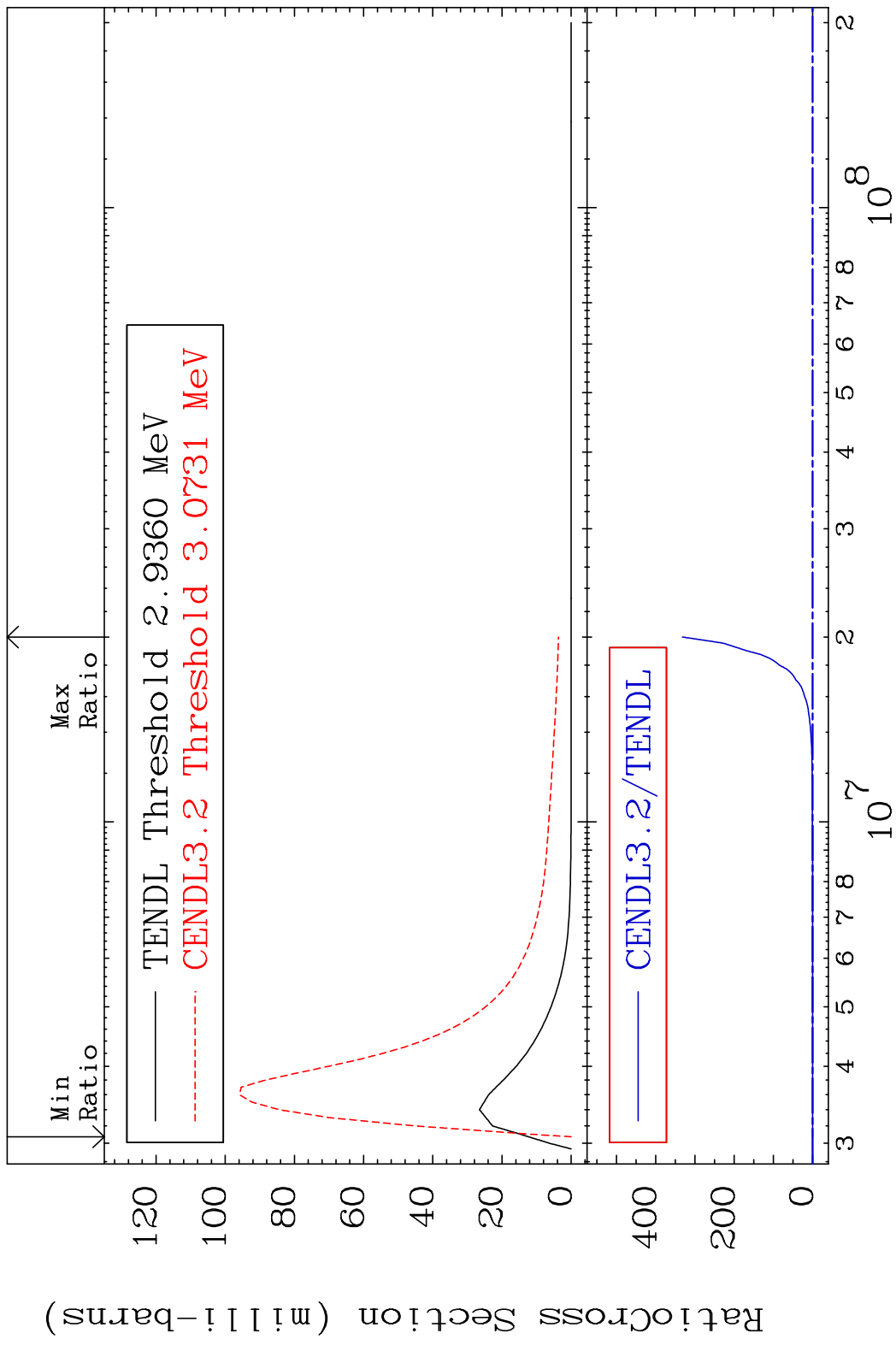
MAT 4031 MT= 64 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 593.2 %



MAT 4031 MT= 65 (n,n') Level 40-Zr-92  
 Cross Section -100.0 To -58.12%

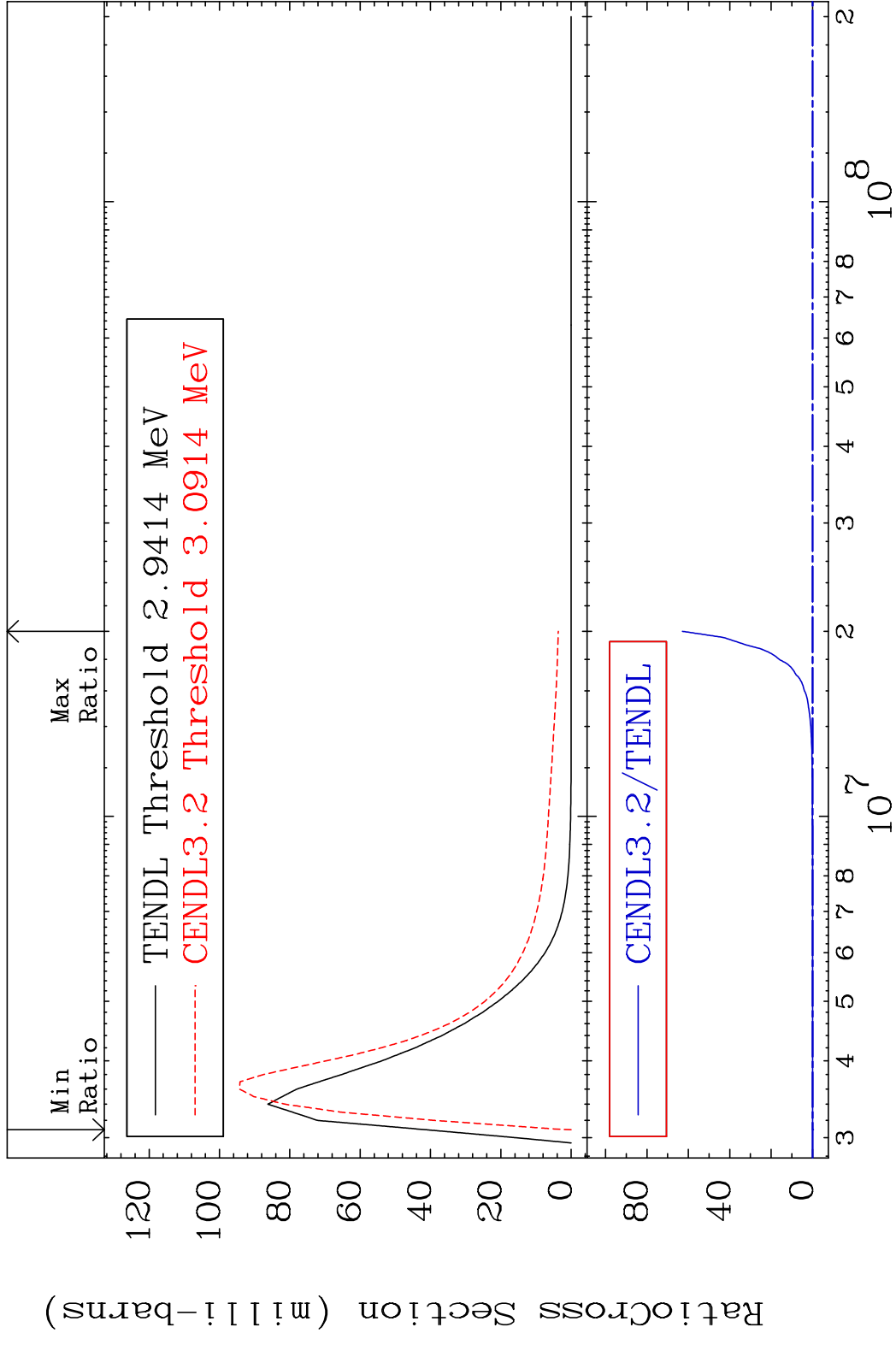


MAT 4031 MT= 66 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 9999. %

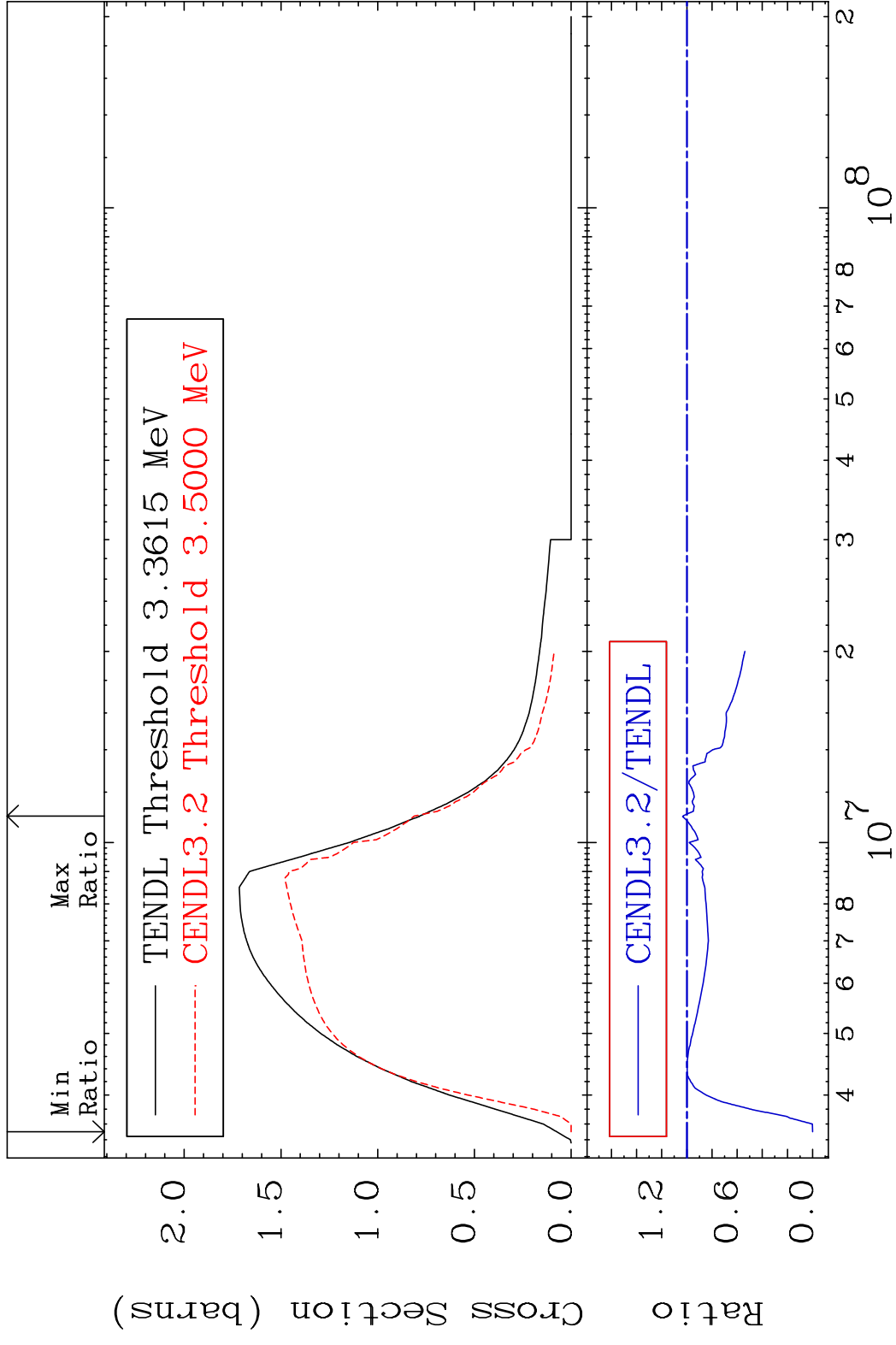




MAT 4031 MT= 67 (n, n') Level 40-Zr-92  
 Cross Section -100.0 To 9999. %

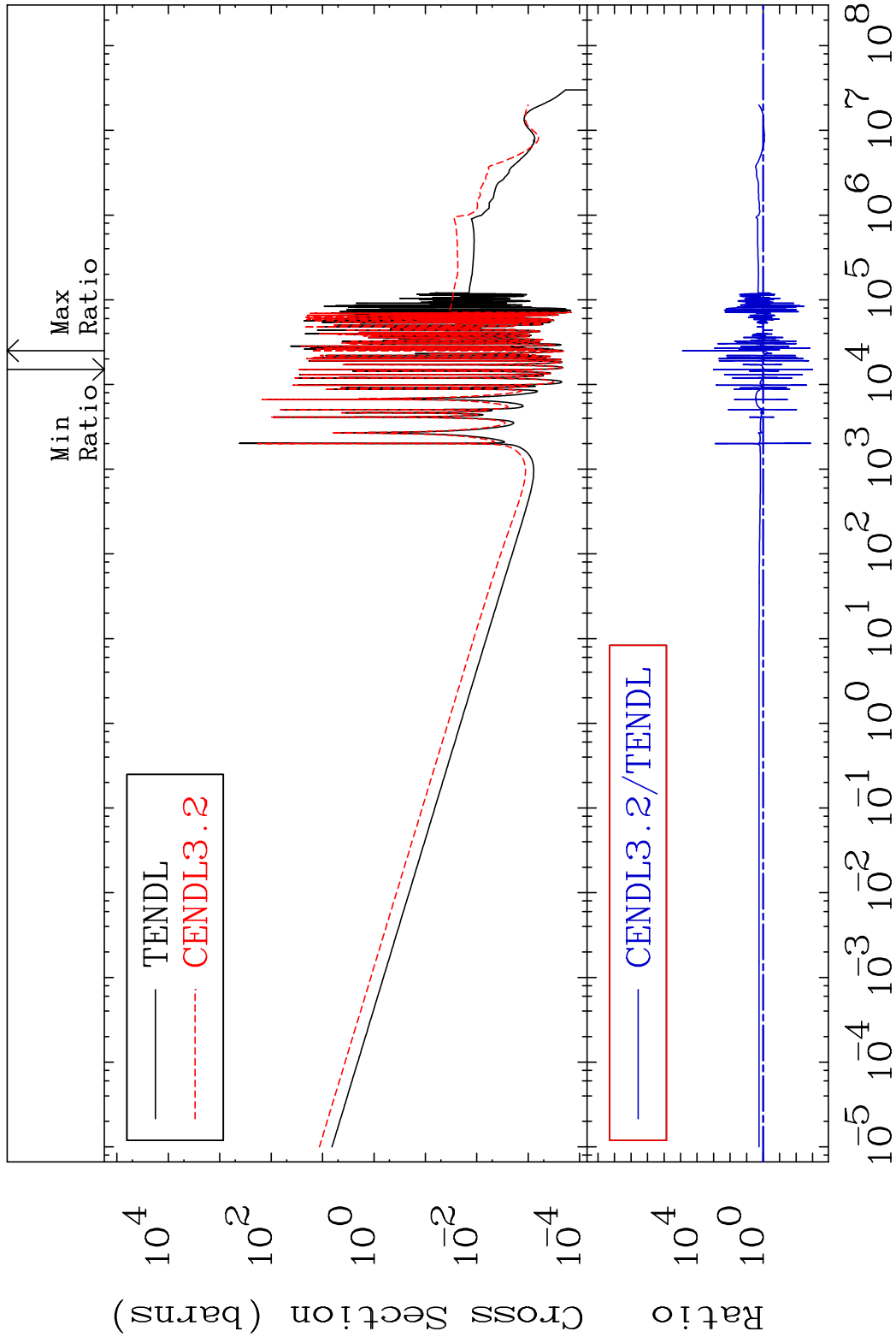


MAT 4031 (n, n') Continuum 40-Zr-92  
 Cross Section -100.0 To 3.575 %



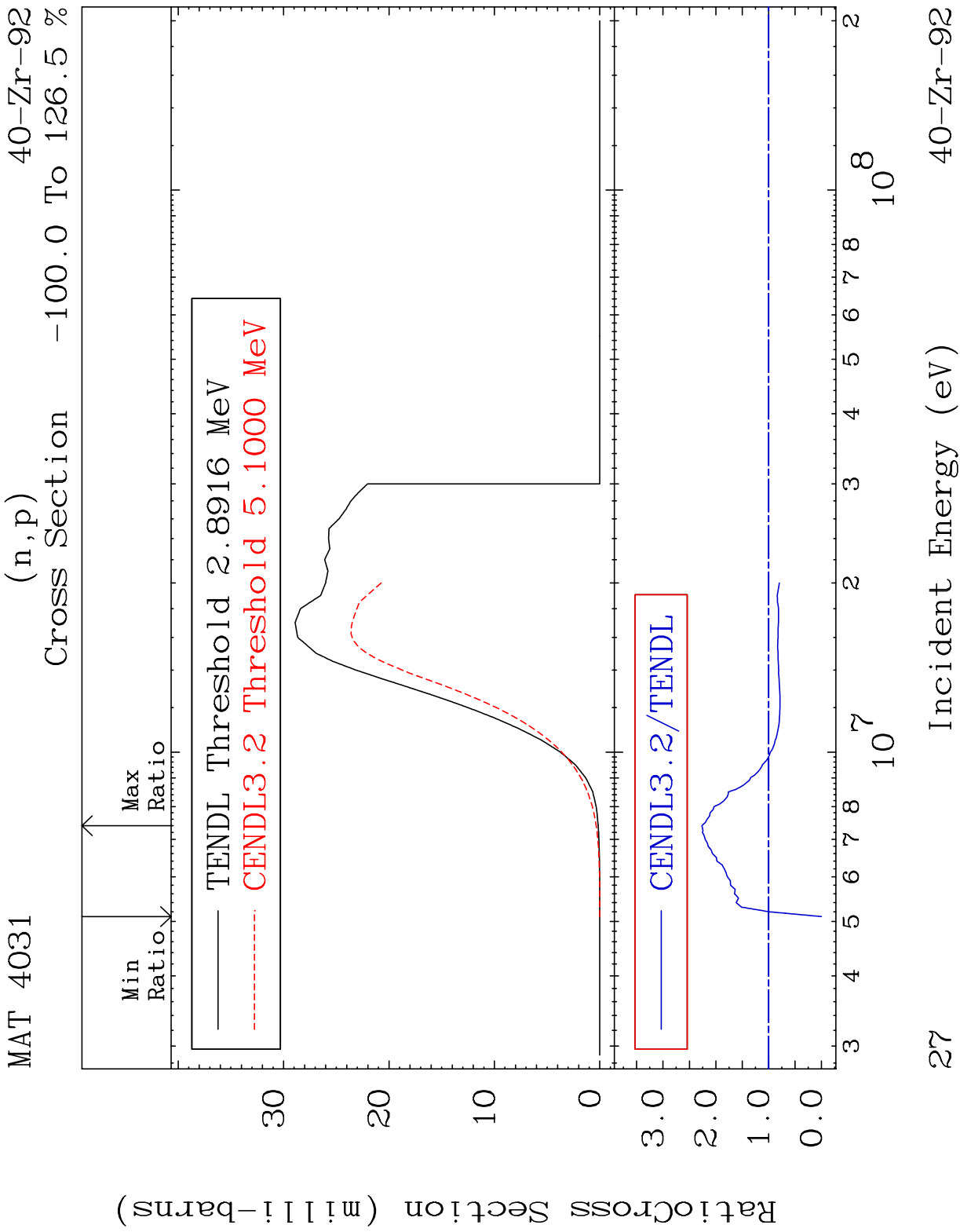
MAT 4031

(n,  $\gamma$ )  
Cross Section      -99.90 To 9999. %      40-Zr-92



26

Incident Energy (eV)      40-Zr-92

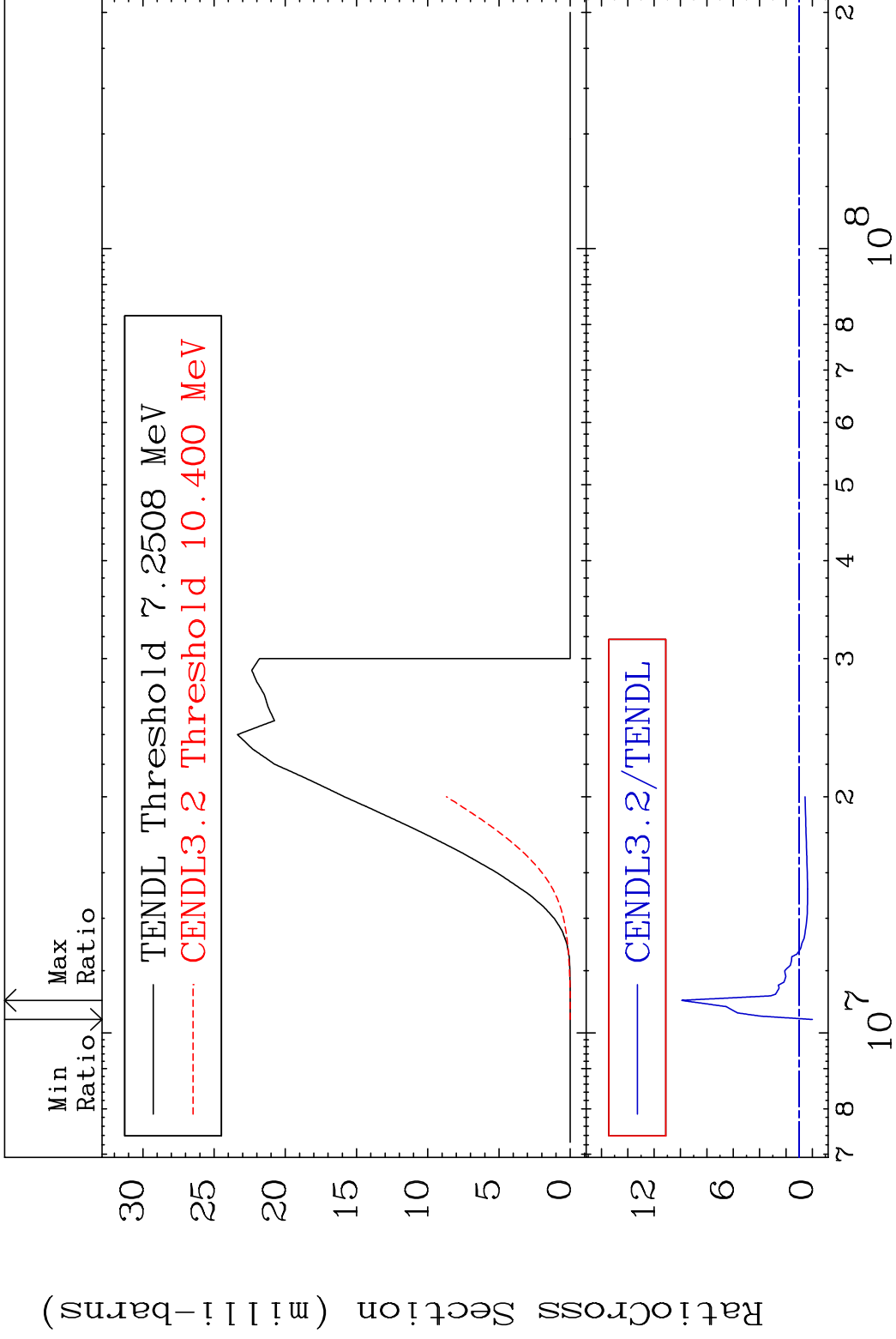


MAT 4031

(n, d)

40-Zr-92

Cross Section -100.0 To 890.7 %



28

Incident Energy (eV)

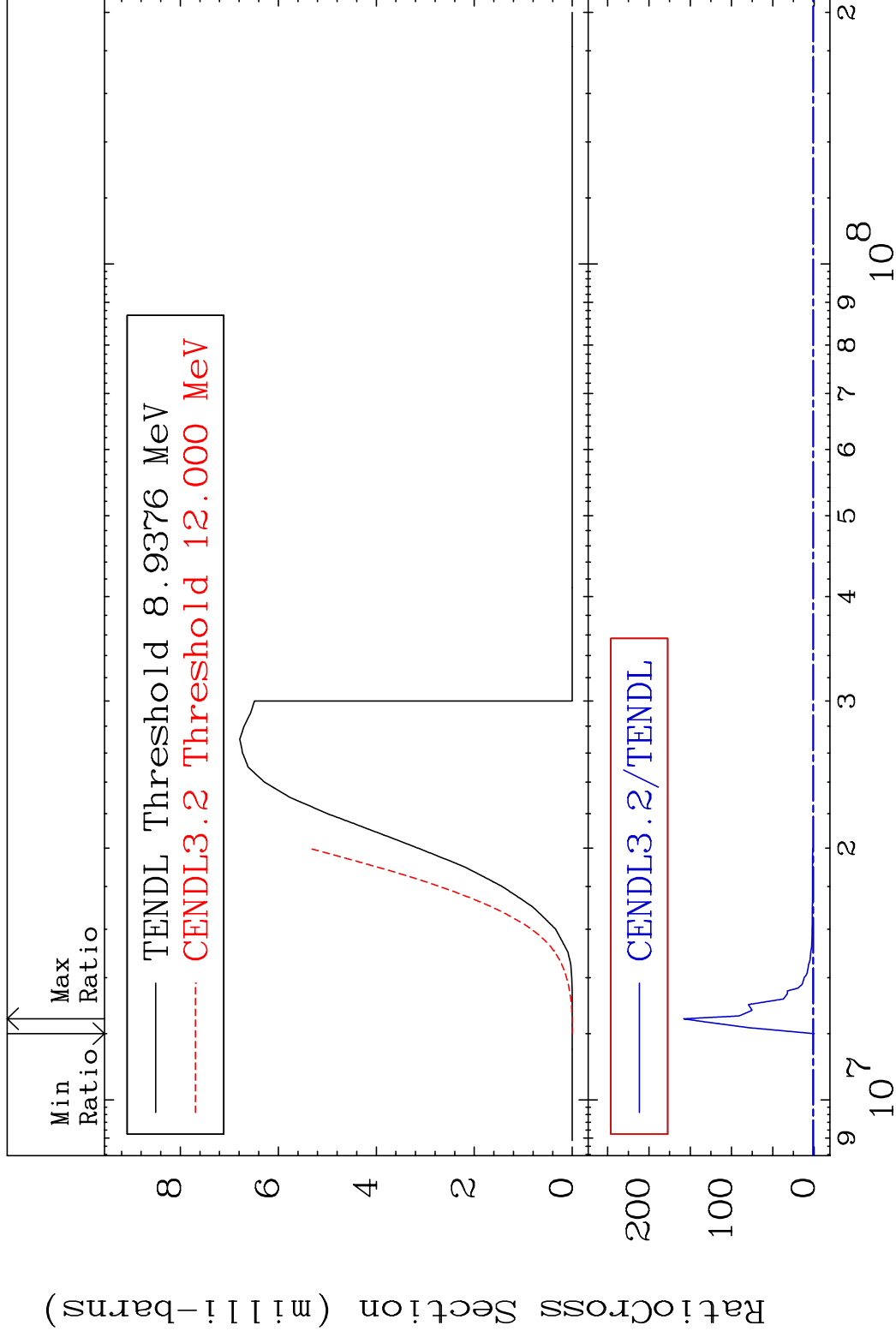
40-Zr-92

MAT 4031

(n, t)

40-Zr-92

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

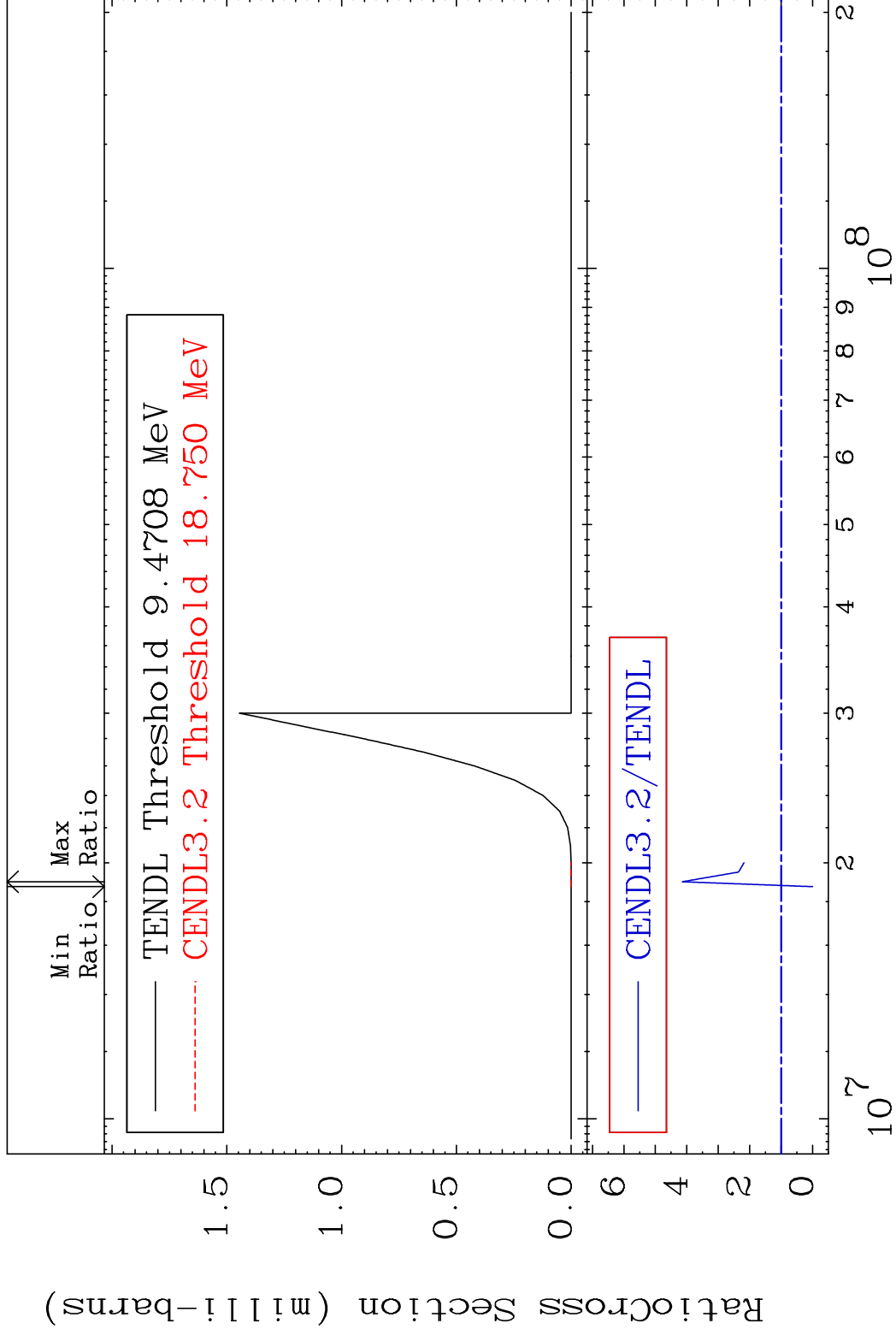
40-Zr-92

MAT 4031

(n, He-3)

40-Zr-92

Cross Section -100.0 To 314.1 %



30

Incident Energy (eV)

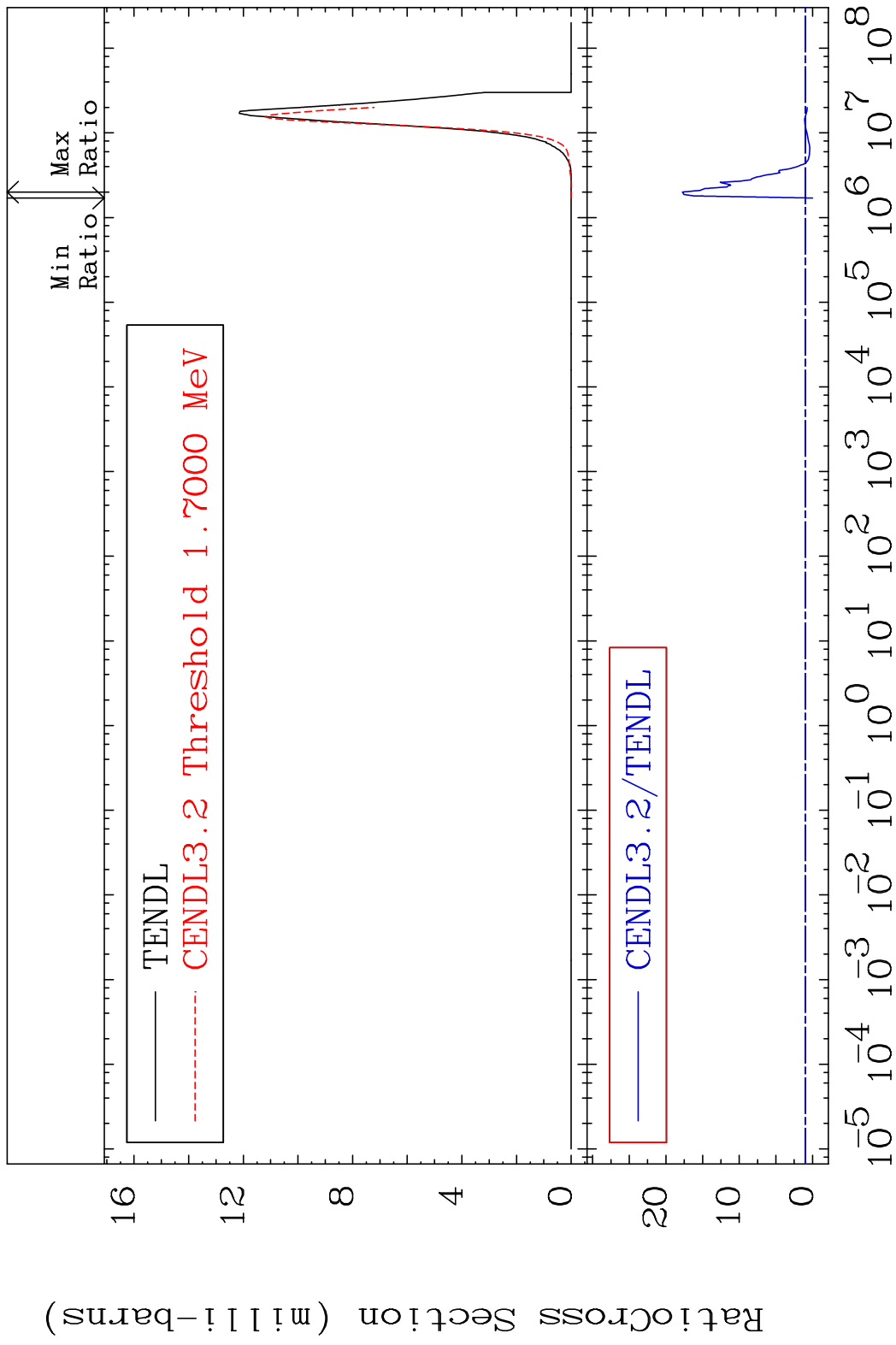
40-Zr-92

MAT 4031

(n,  $\alpha$ )

40-Zr-92

Cross Section -100.0 To 1676. %



31

Incident Energy (eV)

40-Zr-92

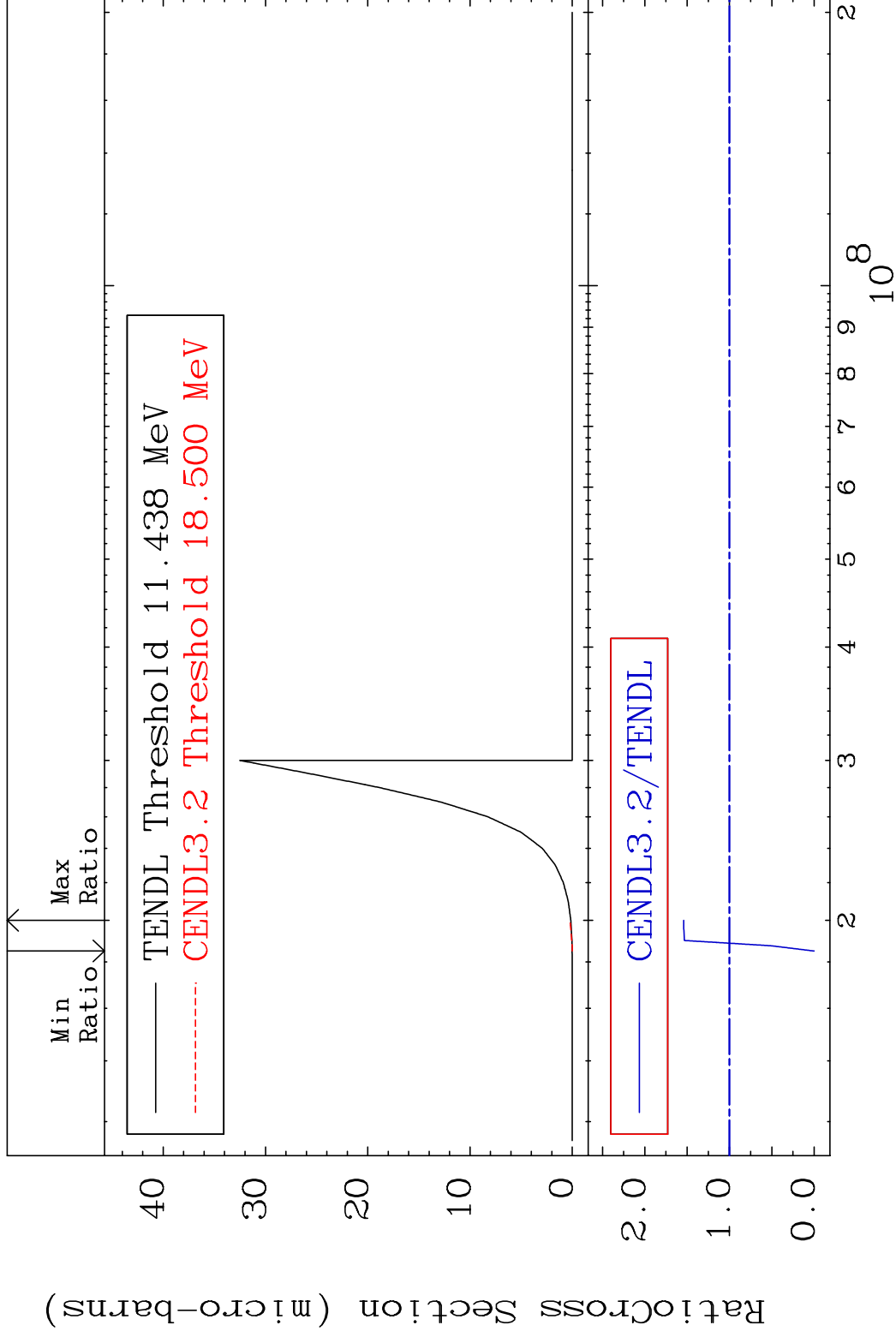


MAT 4031

(n,2p)

40-Zr-92

Cross Section -100.0 To 54.11 %

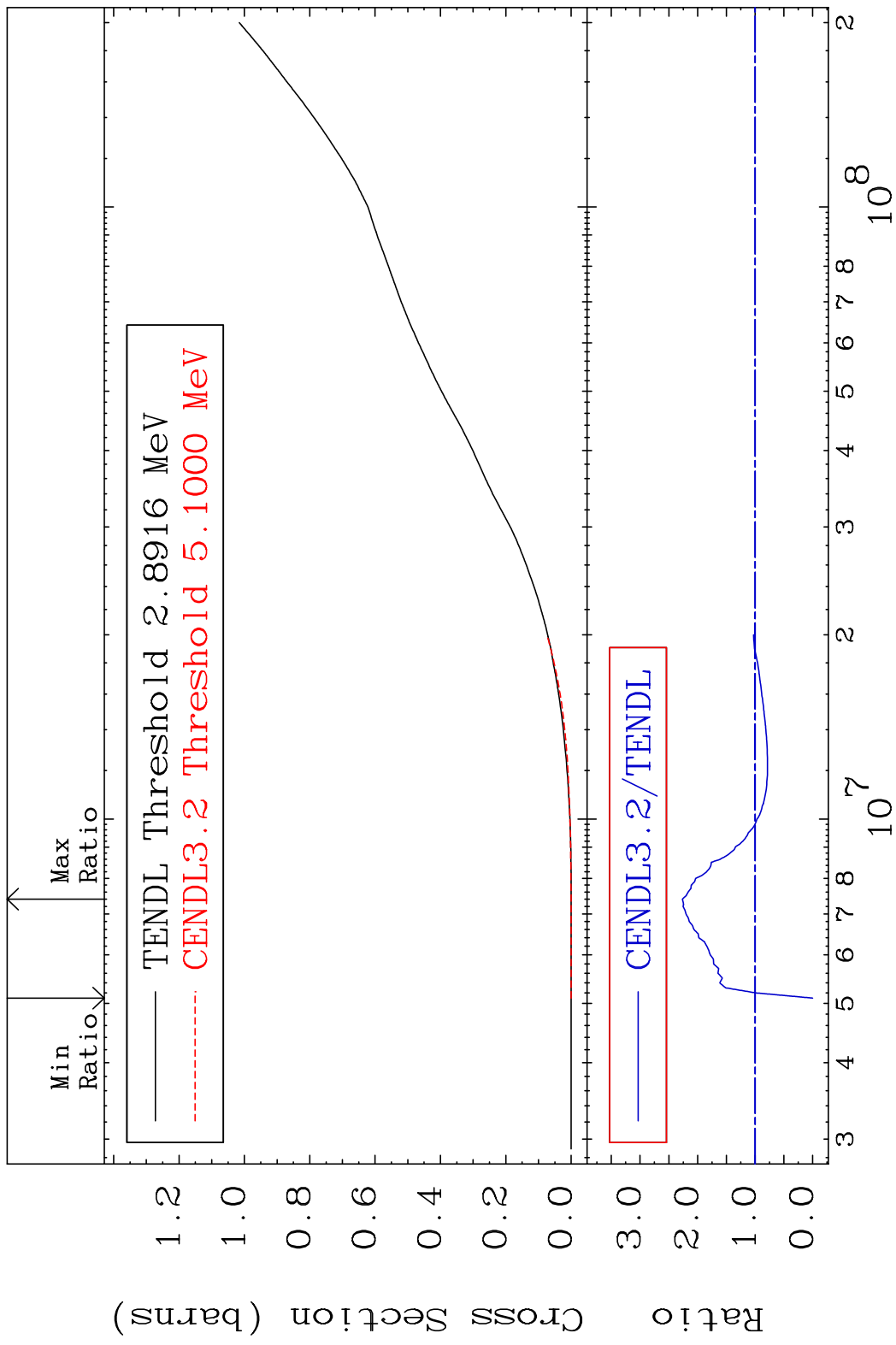


32

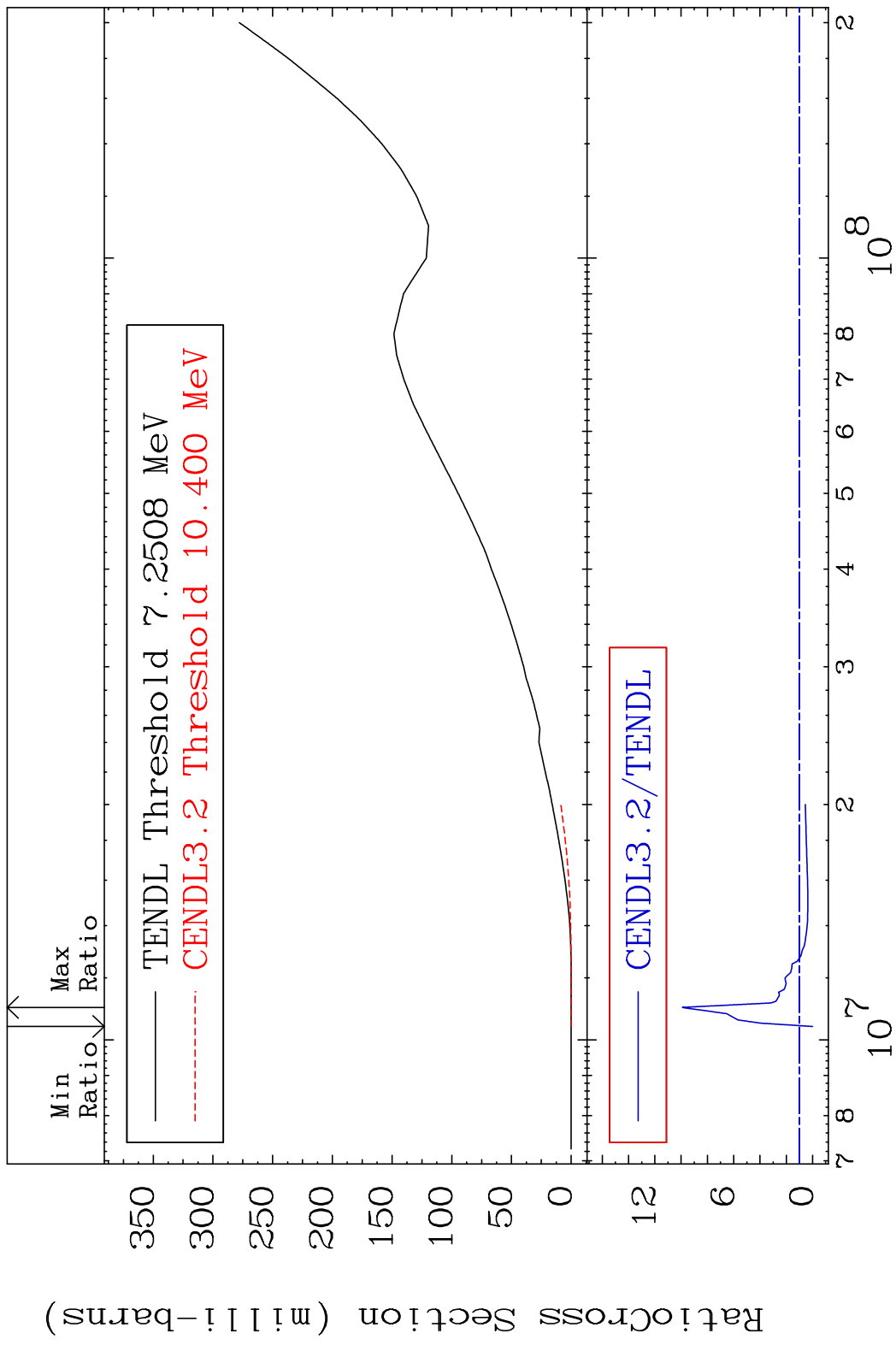
Incident Energy (eV)

40-Zr-92

MAT 4031 Hydrogen Production 40-Zr-92  
 Cross Section -100.0 To 126.5 %

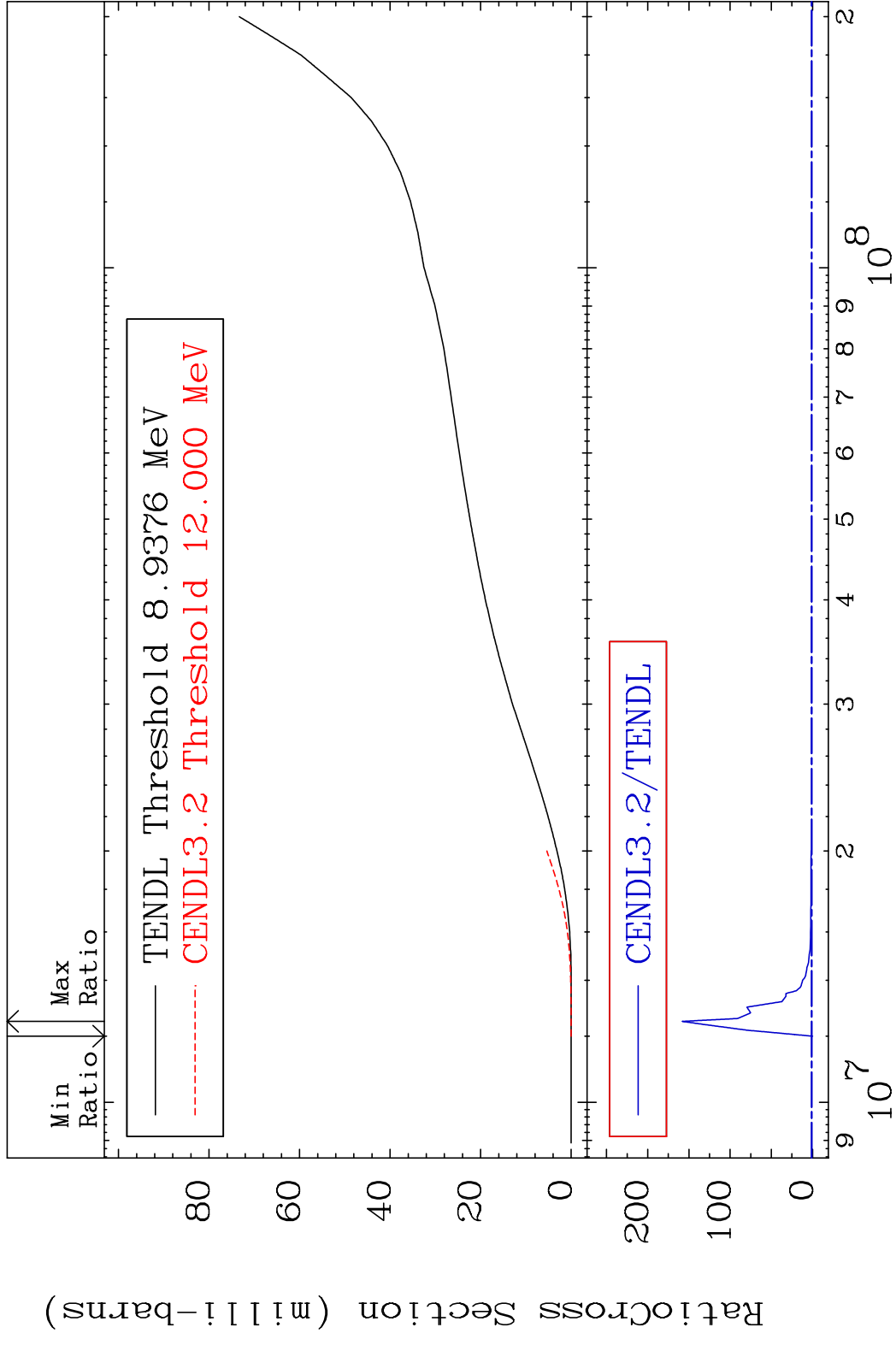


MAT 4031 Deuterium Production 40-Zr-92  
 Cross Section -100.0 To 890.7 %



34 Incident Energy (eV) 40-Zr-92

MAT 4031 Tritium Production 40-Zr-92  
 Cross Section -100.0 To 9999. %



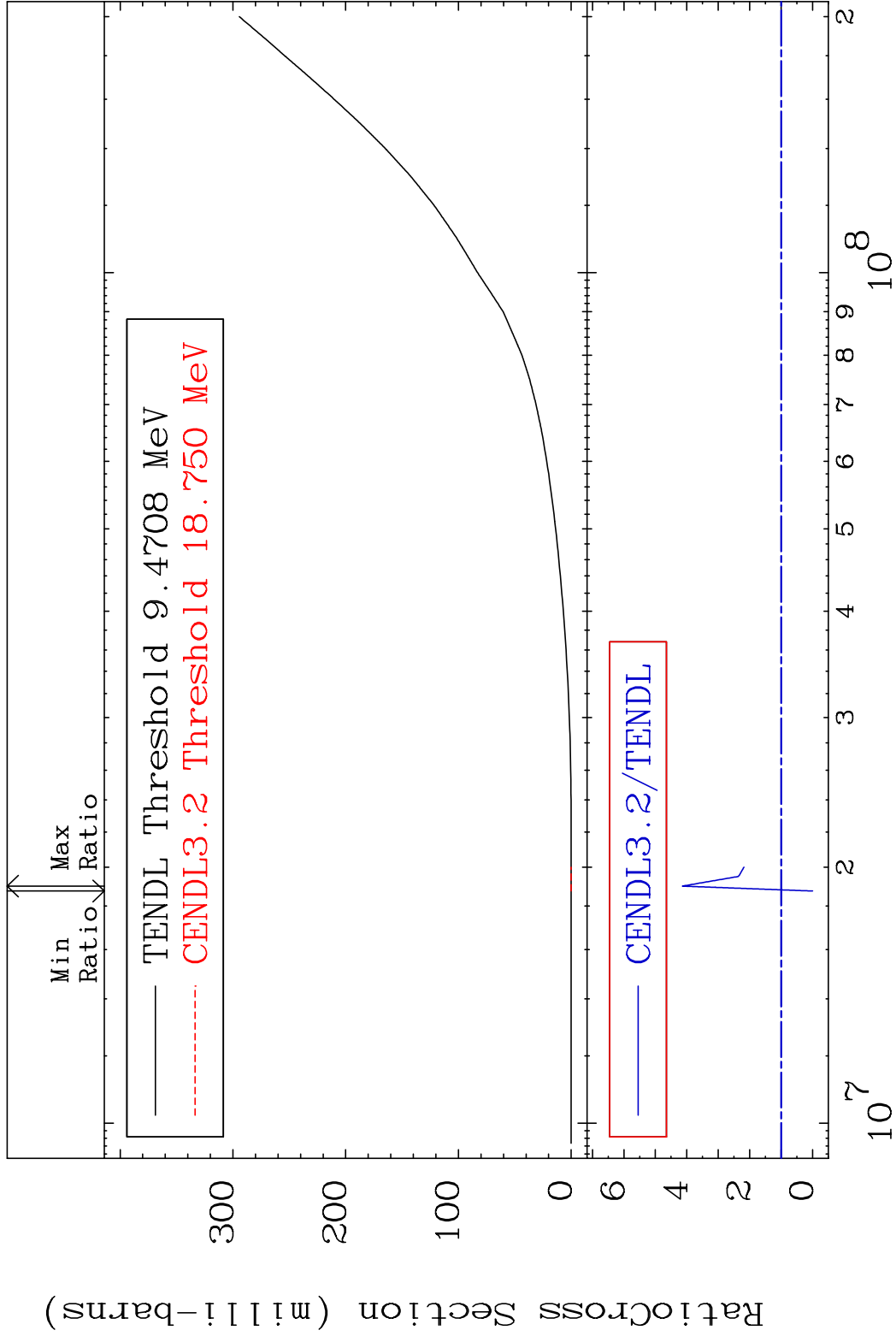
35 40-Zr-92

MAT 4031

He-3 Production

40-Zr-92

Cross Section -100.0 To 314.1 %



36

Incident Energy (eV)

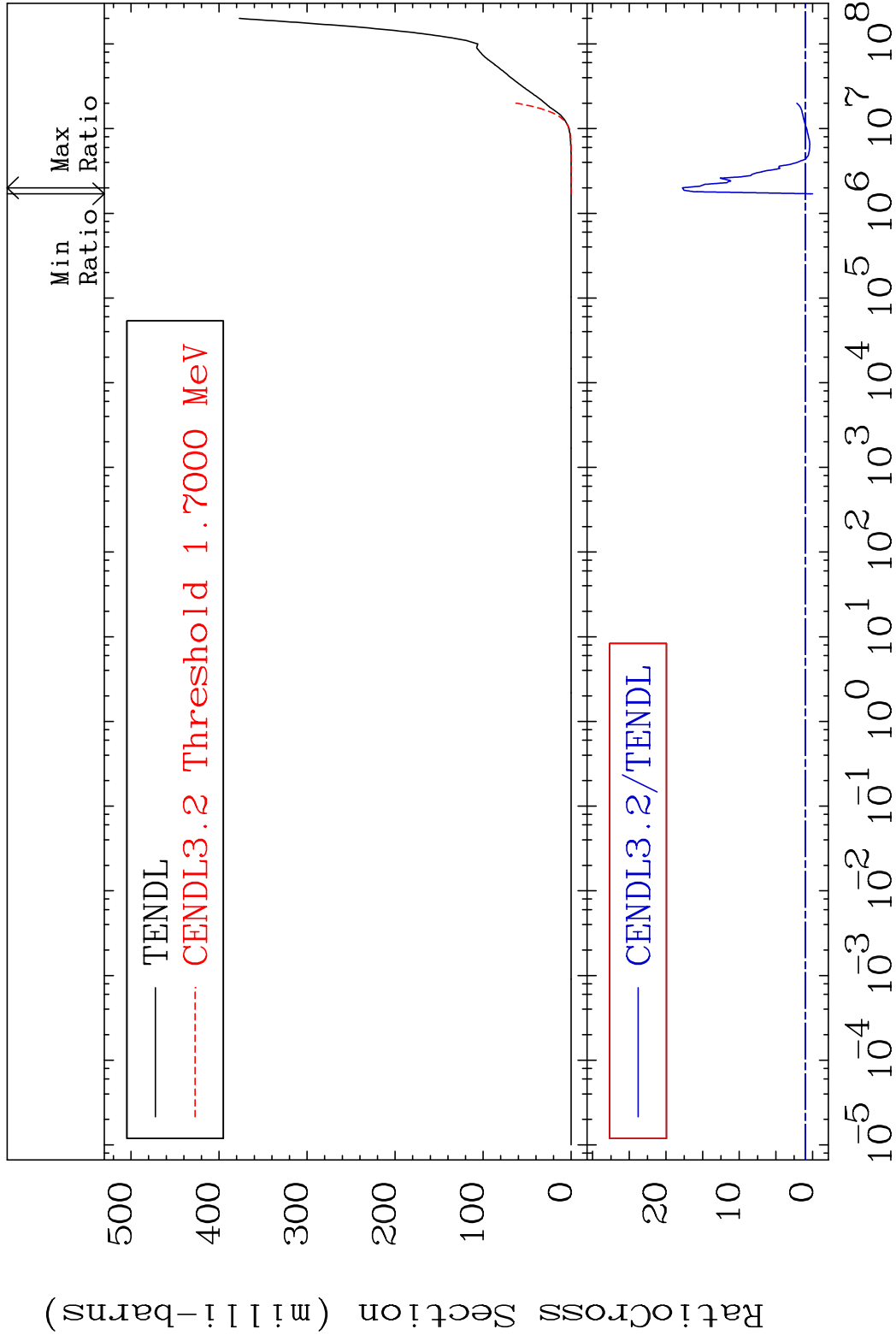
40-Zr-92

MAT 4031

He-4 Production

40-Zr-92

Cross Section -100.0 To 1676. %

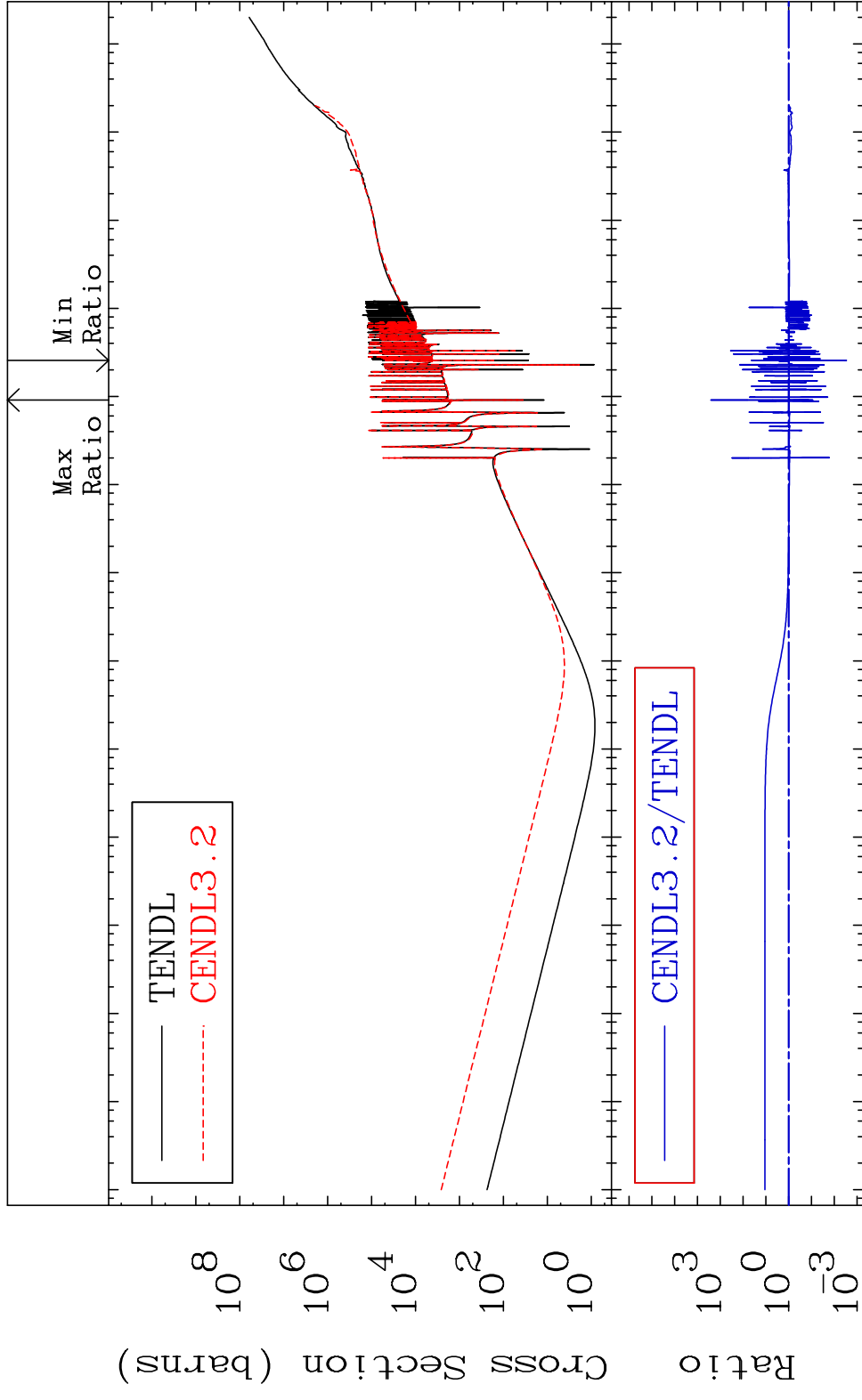


37

Incident Energy (eV)

40-Zr-92

MAT 4031 Kerma total (eV-barns) 40-Zr-92  
 Cross Section -99.70 To 9999. %

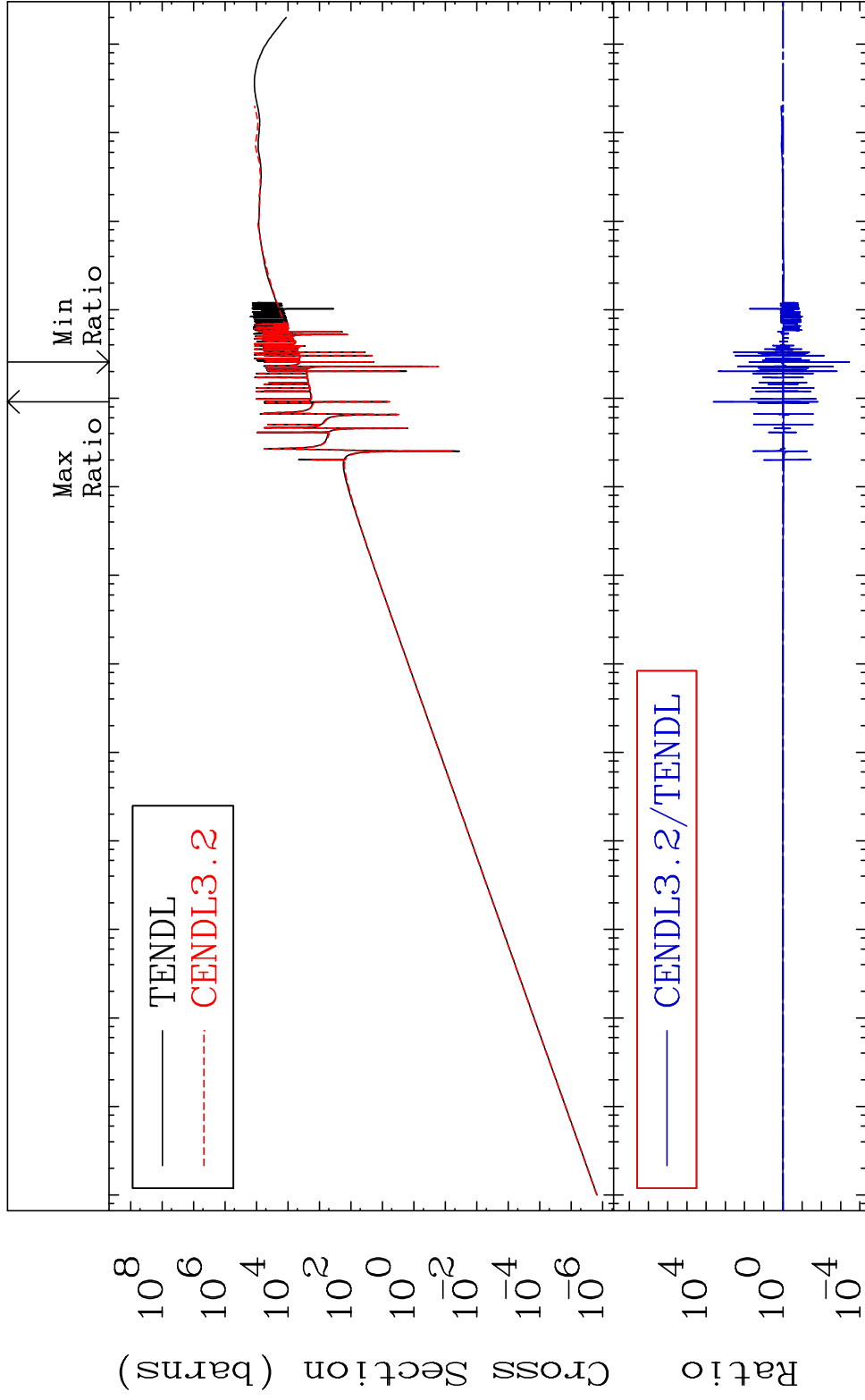


38 Incident Energy (eV) 40-Zr-92

MAT 4031

Kerma elastic  
Cross Section

40-Zr-92  
-99.96 To 9999. %



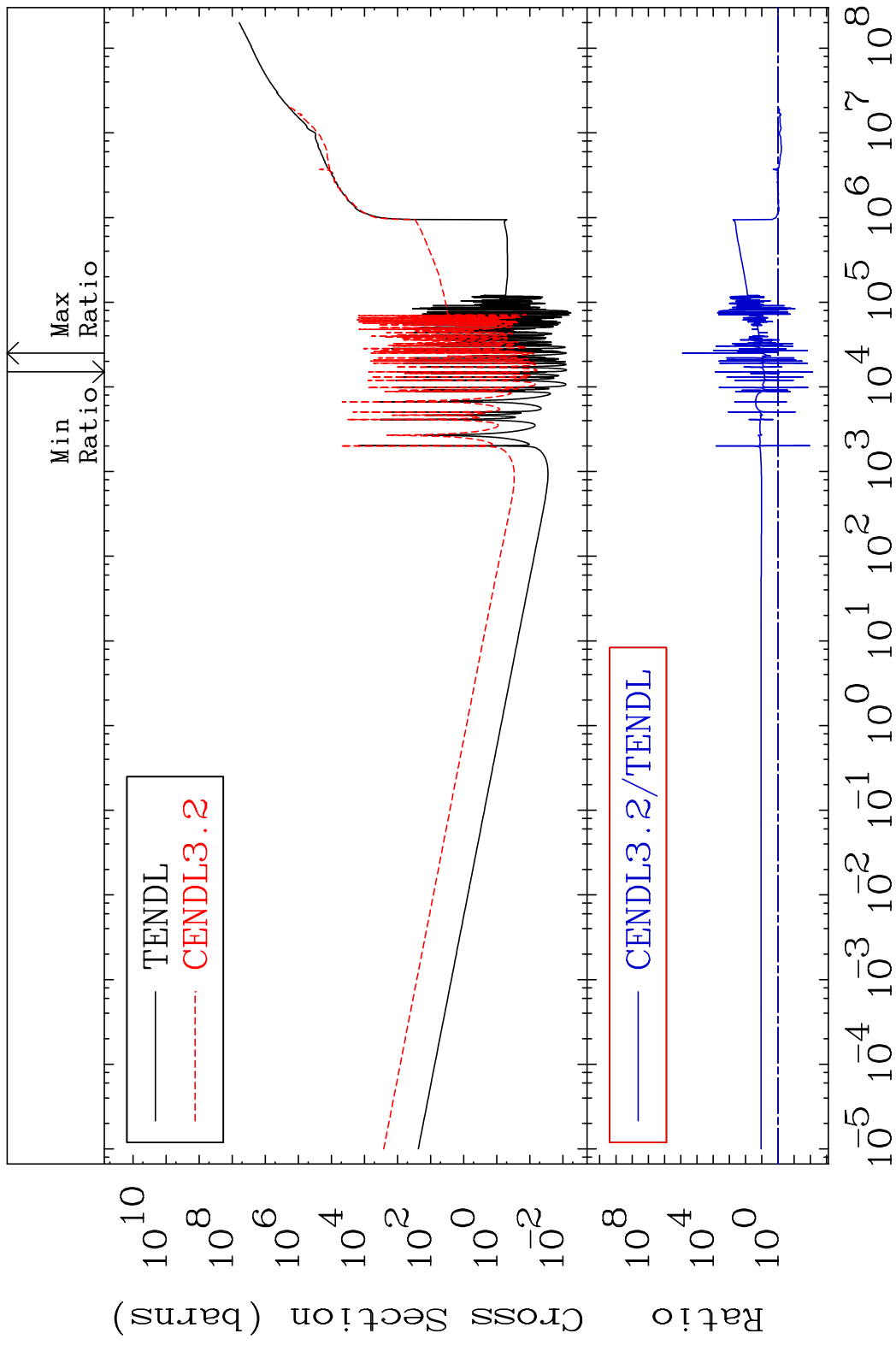
39

Incident Energy (eV)

40-Zr-92

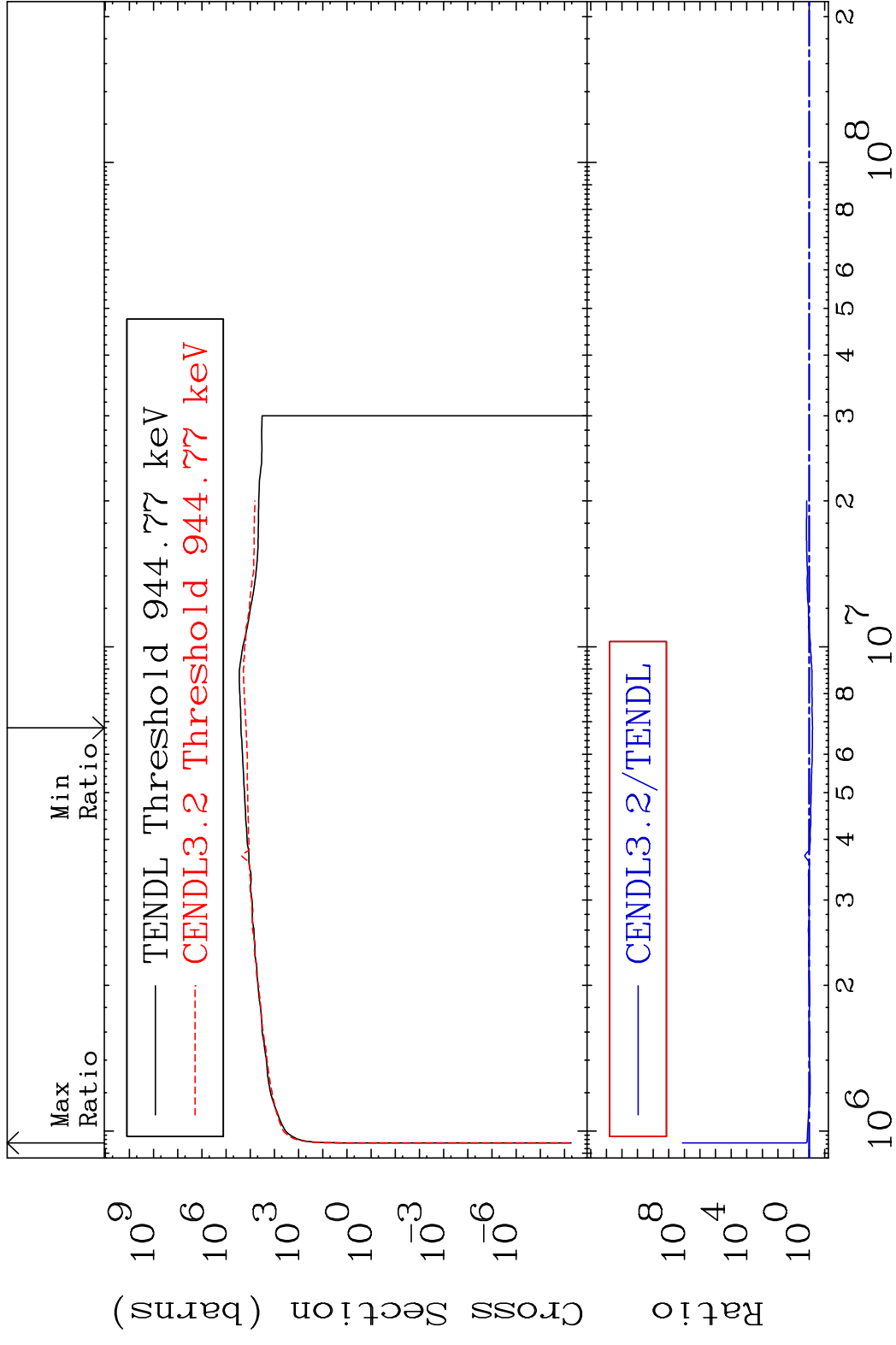


MAT 4031 Kerma non-elastic (all but mt2) 40-Zr-92  
 Cross Section -99.27 To 9999. %



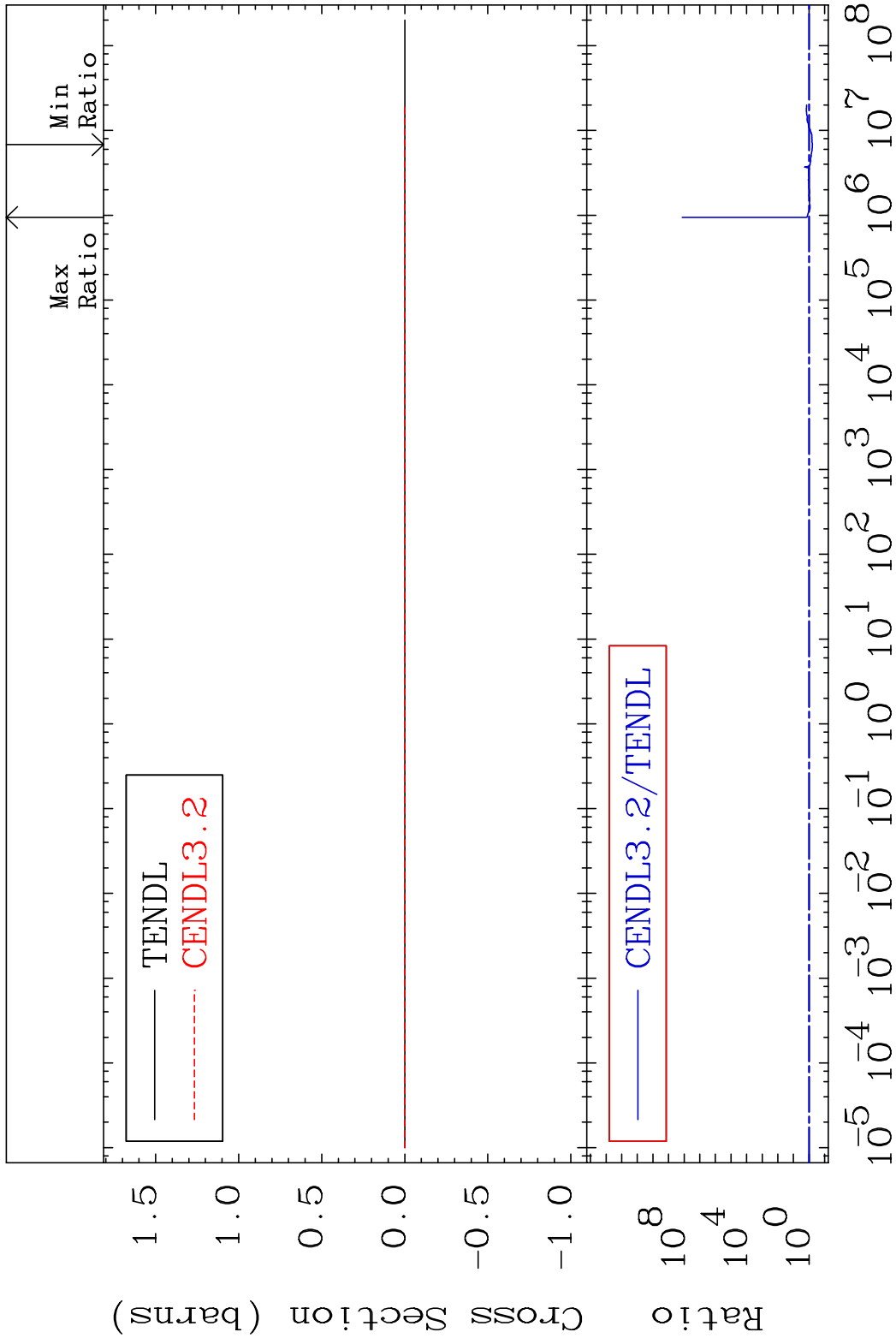
40 Incident Energy (eV) 40-Zr-92

MAT 4031 Kerma inelastic (mt51-91) 40-Zr-92  
 Cross Section -39.48 To 9999. %



41 Incident Energy (eV) 40-Zr-92

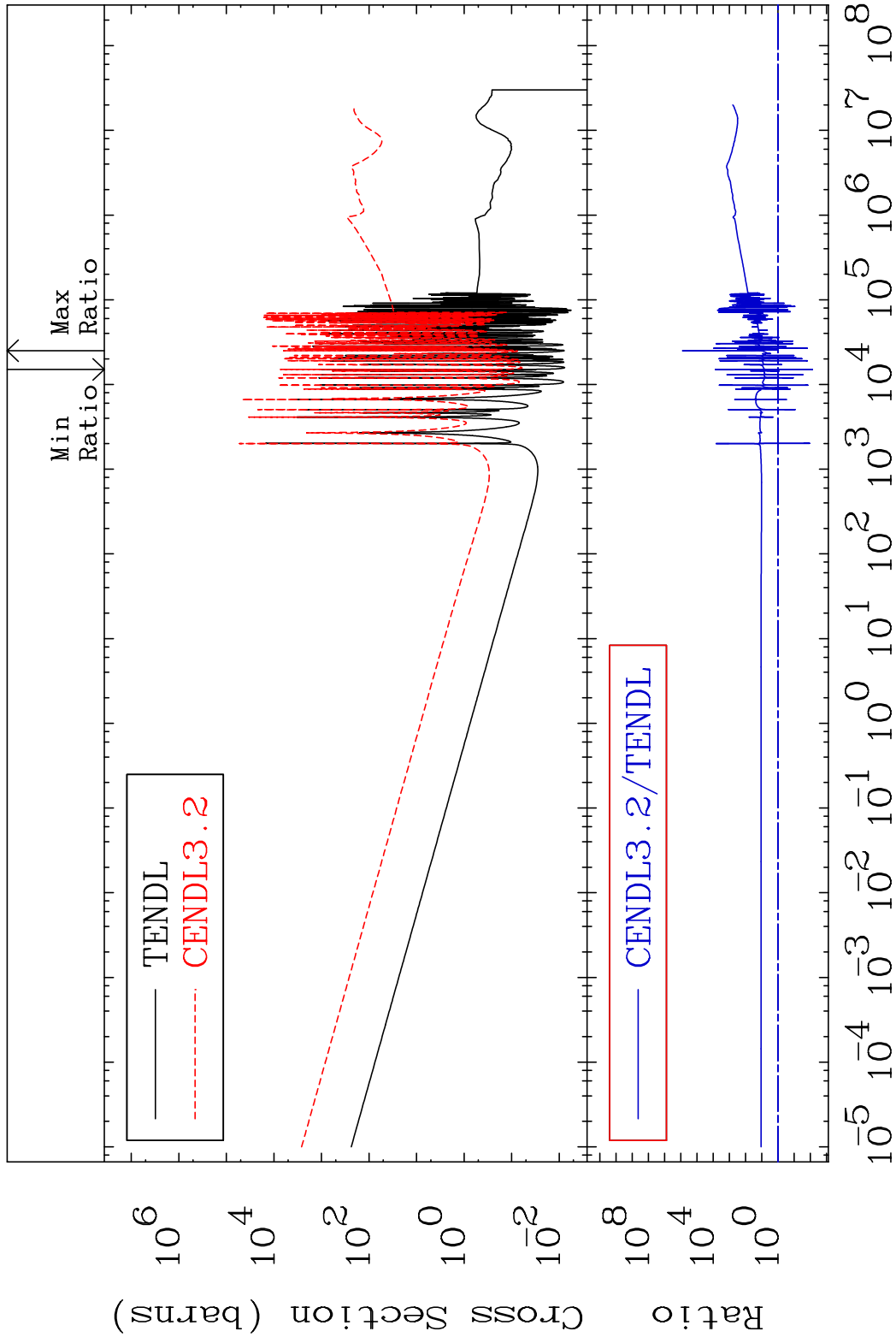
MAT 4031 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-92  
 Cross Section -39.48 To 9999. %



MAT 4031

Kerma capture (mt102) 40-Zr-92

Cross Section -99.27 To 9999. %

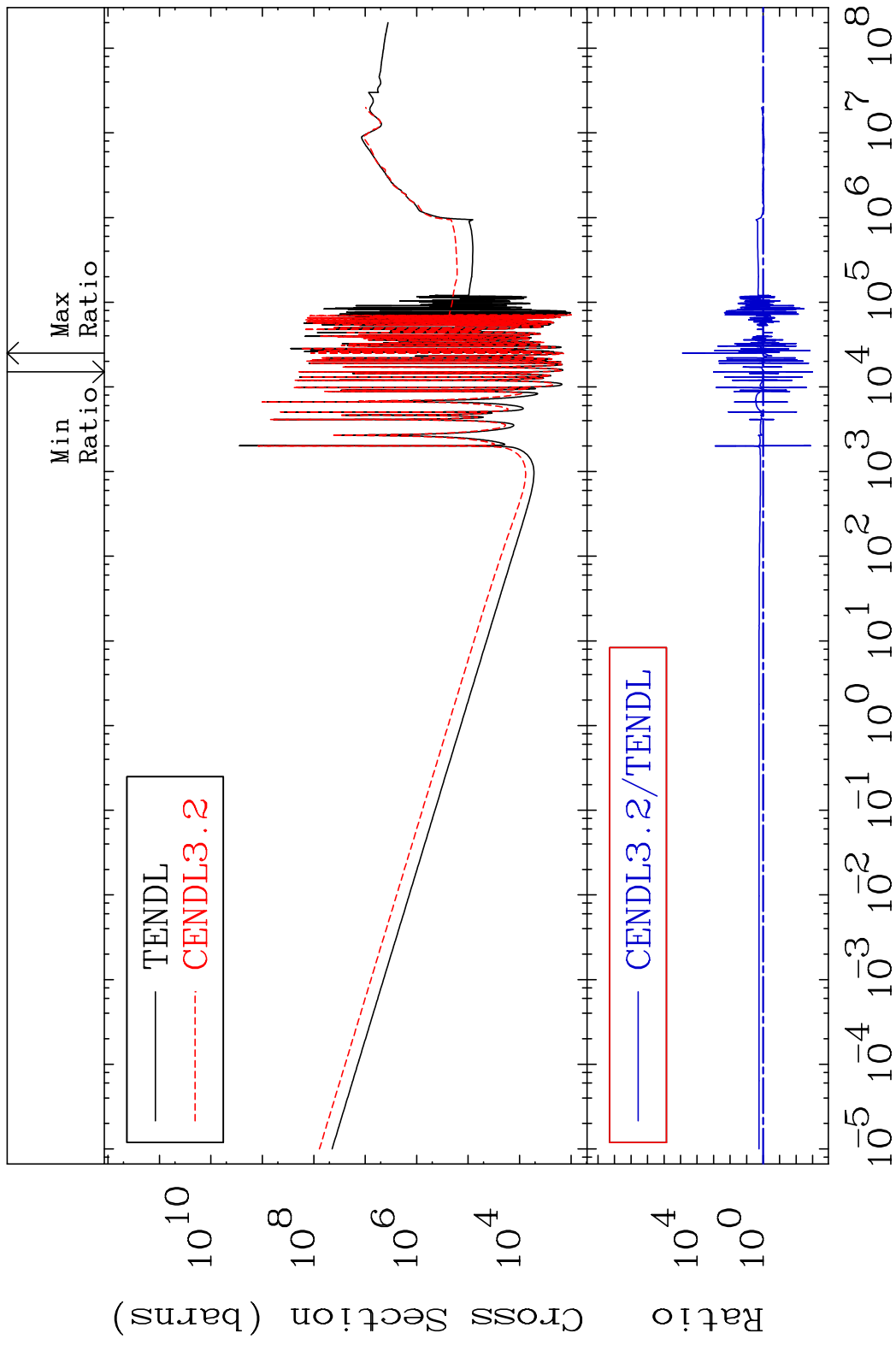


43

Incident Energy (eV)

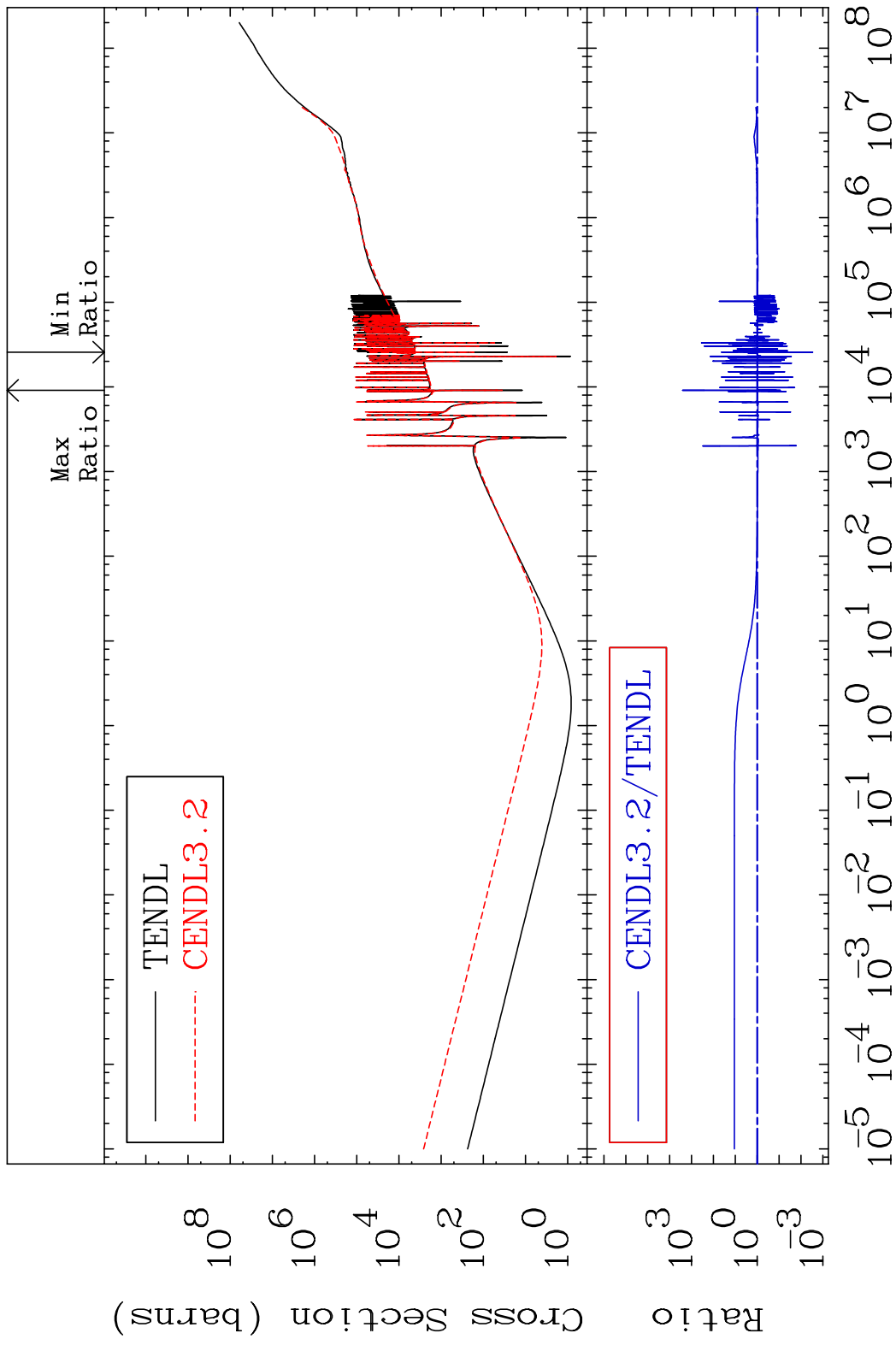
40-Zr-92

MAT 4031 Total photon (eV-barns) 40-Zr-92  
 Cross Section -99.90 To 9999. %



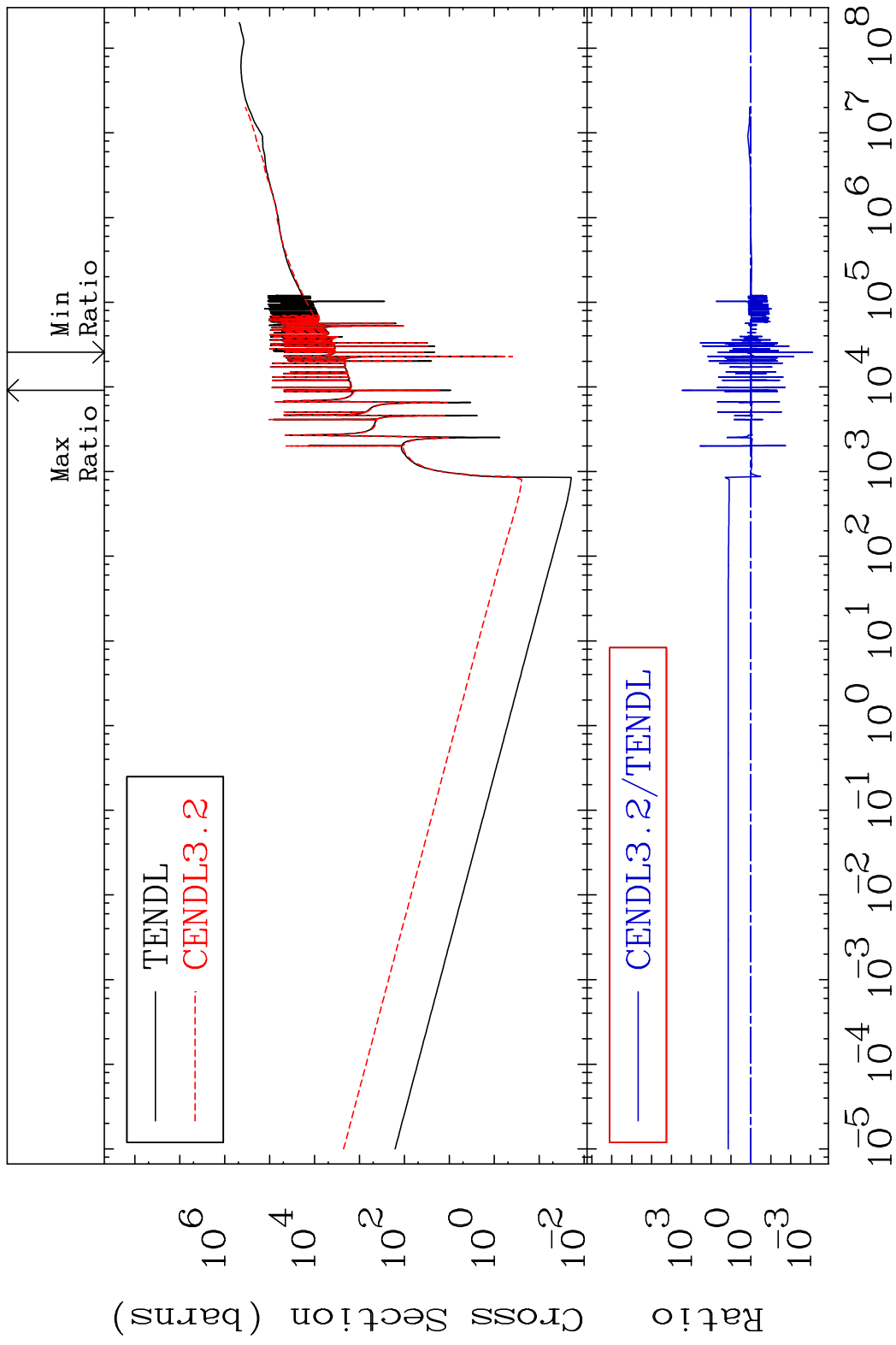
44 Incident Energy (eV) 40-Zr-92

MAT 4031 Total kinematic kerma (high limit) 40-Zr-92  
 Cross Section -99.70 To 9999. %



45 Incident Energy (eV) 40-Zr-92

MAT 4031      Dpa total (eV-barns)      40-Zr-92  
 Cross Section      -99.92 To 9999. %

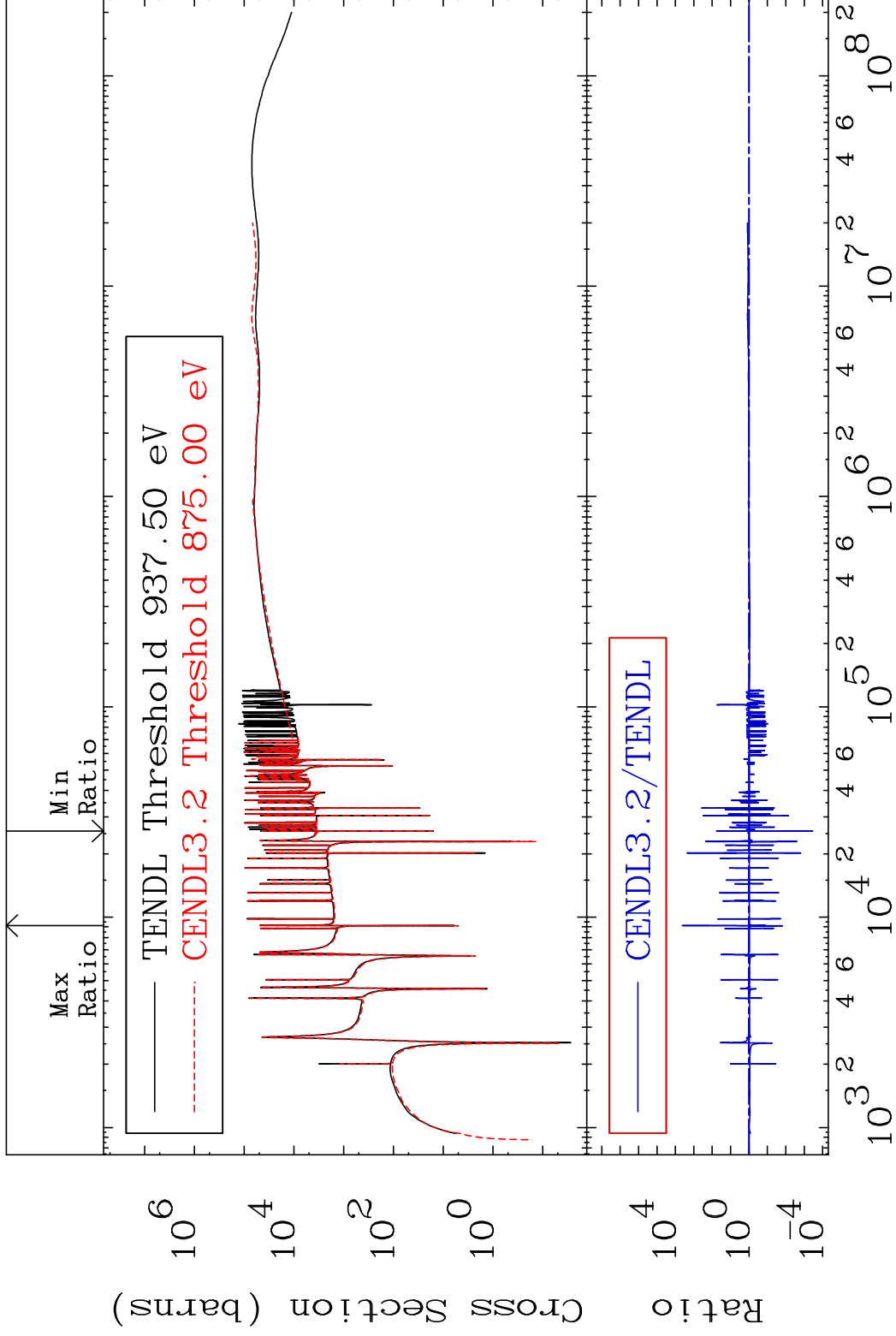


MAT 4031

Dpa elastic (mt2)

40-Zr-92

Cross Section -99.96 To 9999. %



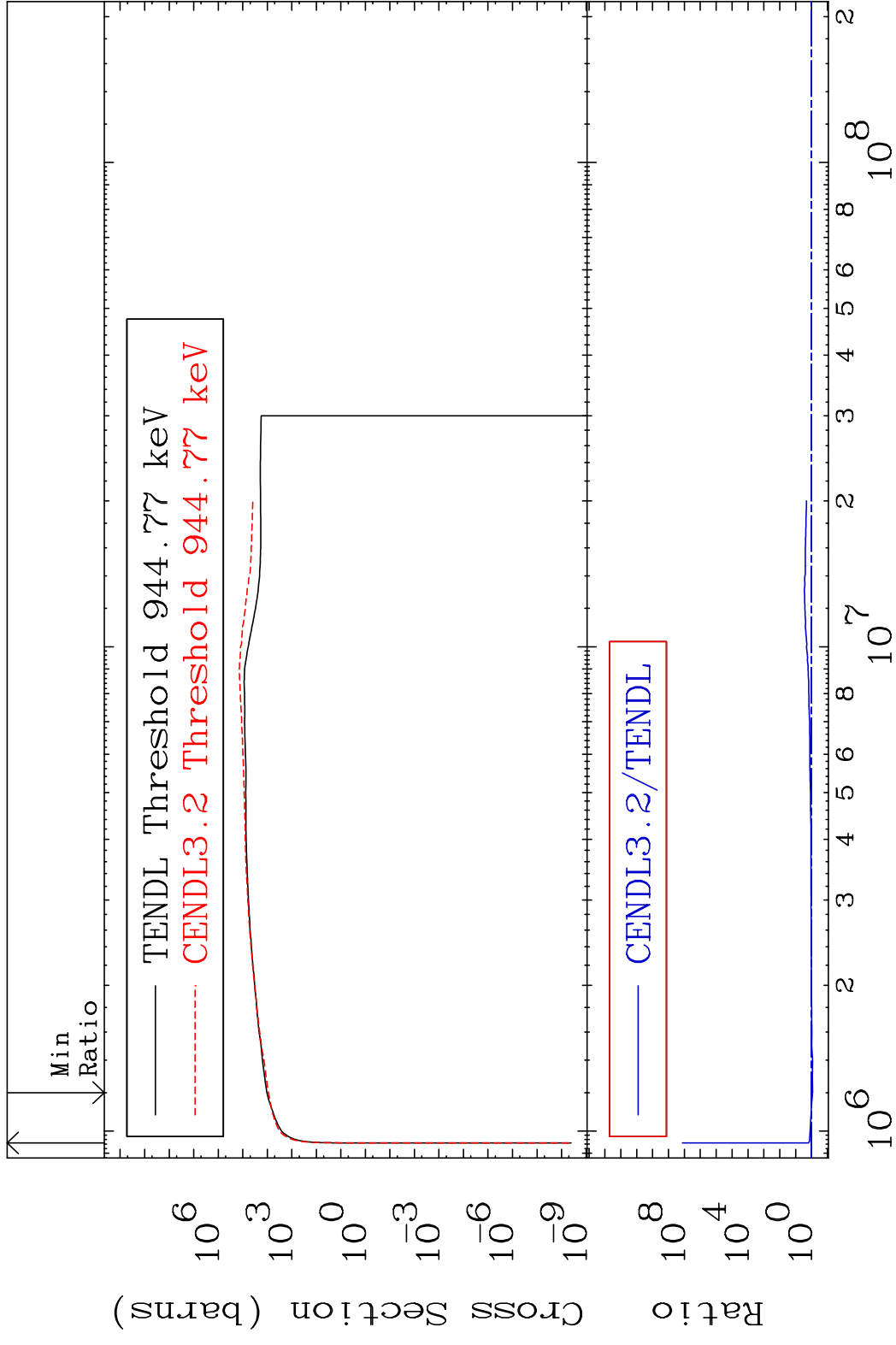
47

Incident Energy (eV)

40-Zr-92

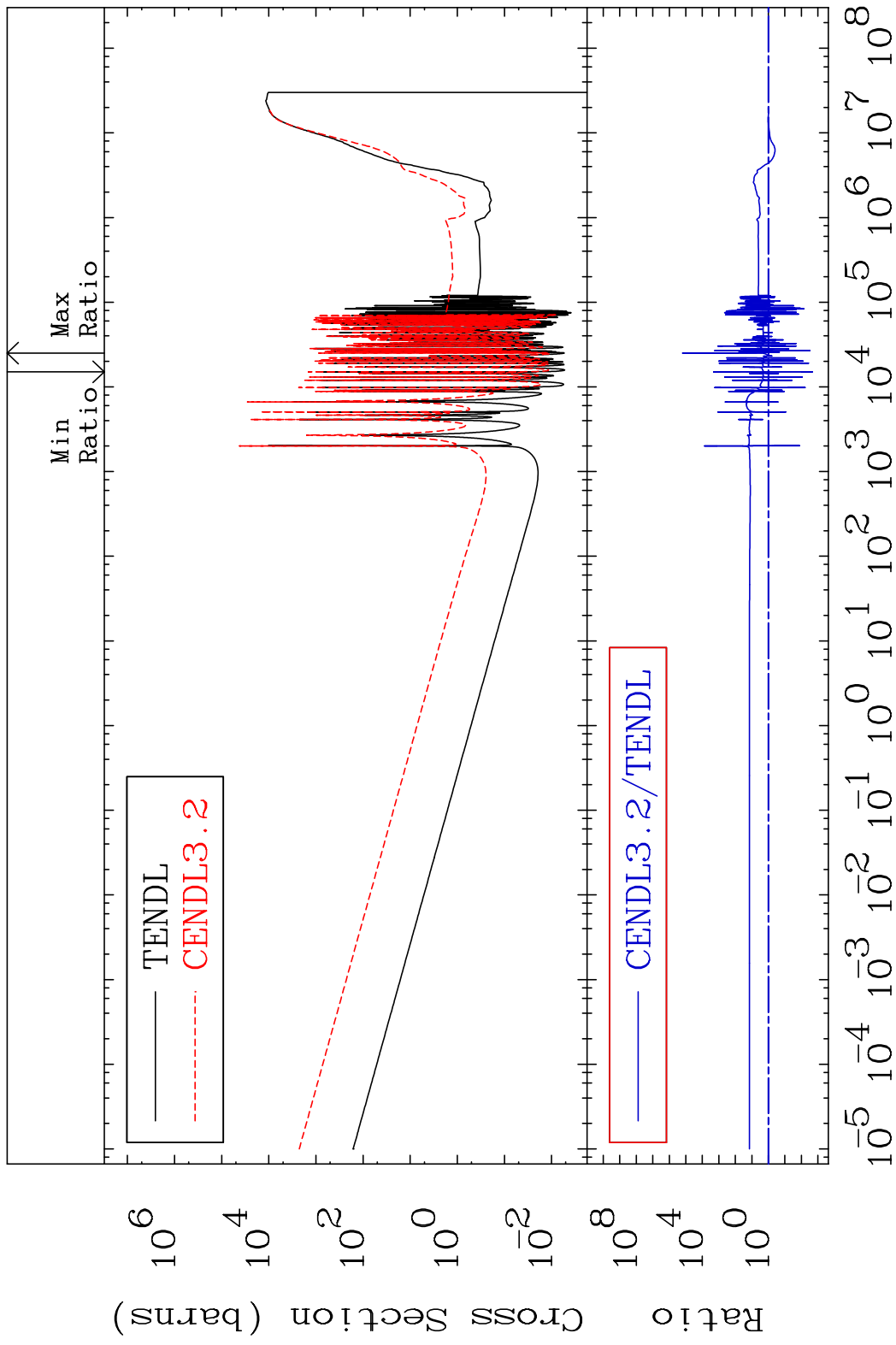


MAT 4031 Dpa inelastic (mt51-91) 40-Zr-92  
 Cross Section -13.99 To 9999. %

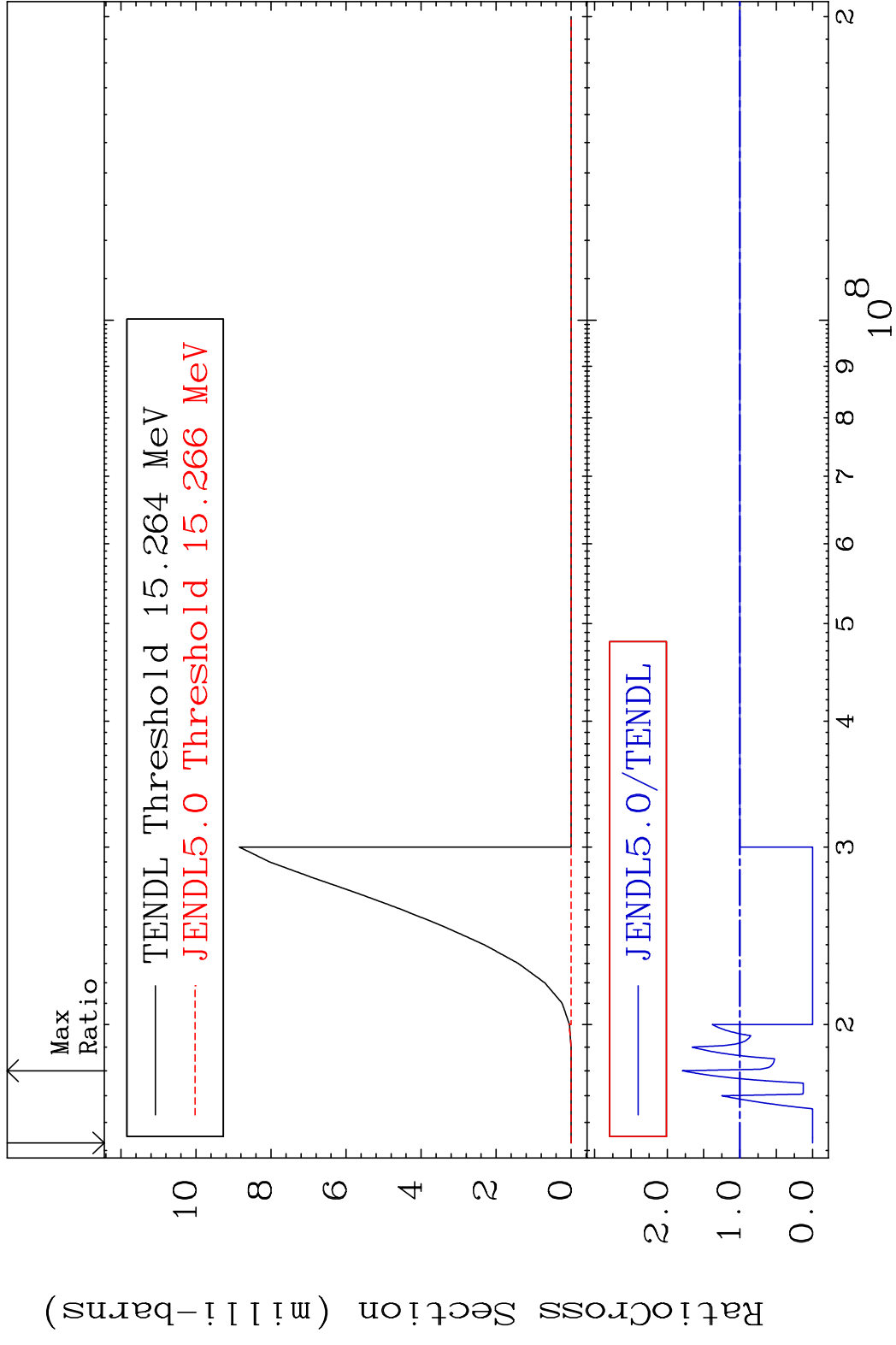


48 Incident Energy (eV) 40-Zr-92

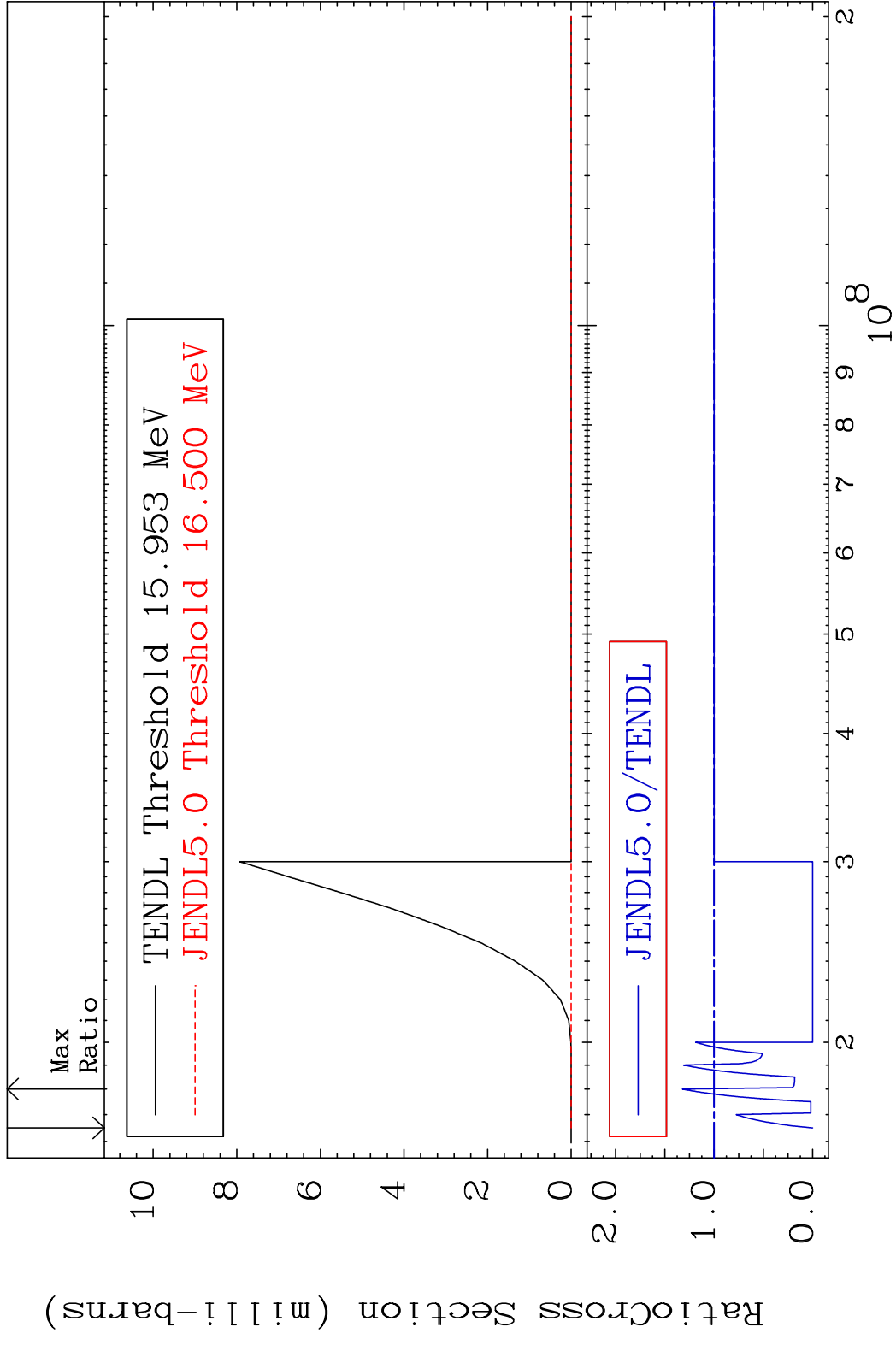
MAT 4031 Dpa disappearance (mt102 -120) 40-Zr-92  
 Cross Section -99.79 To 9999. %



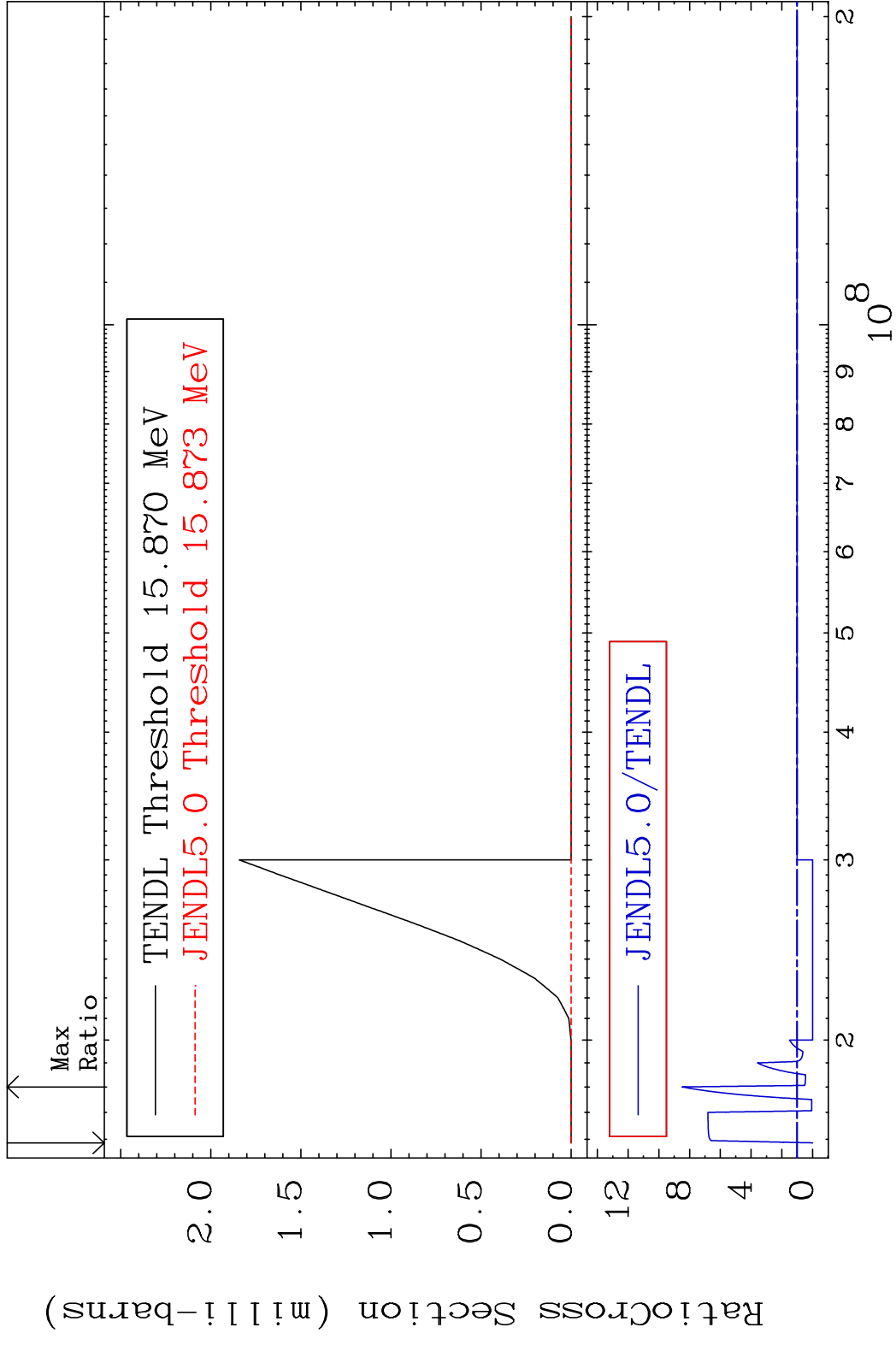
MAT 4031 (n, n') d:39-Y -90g 40-Zr-92  
 Radionuclide Production Cross Section 180.0 mb 79.27 %



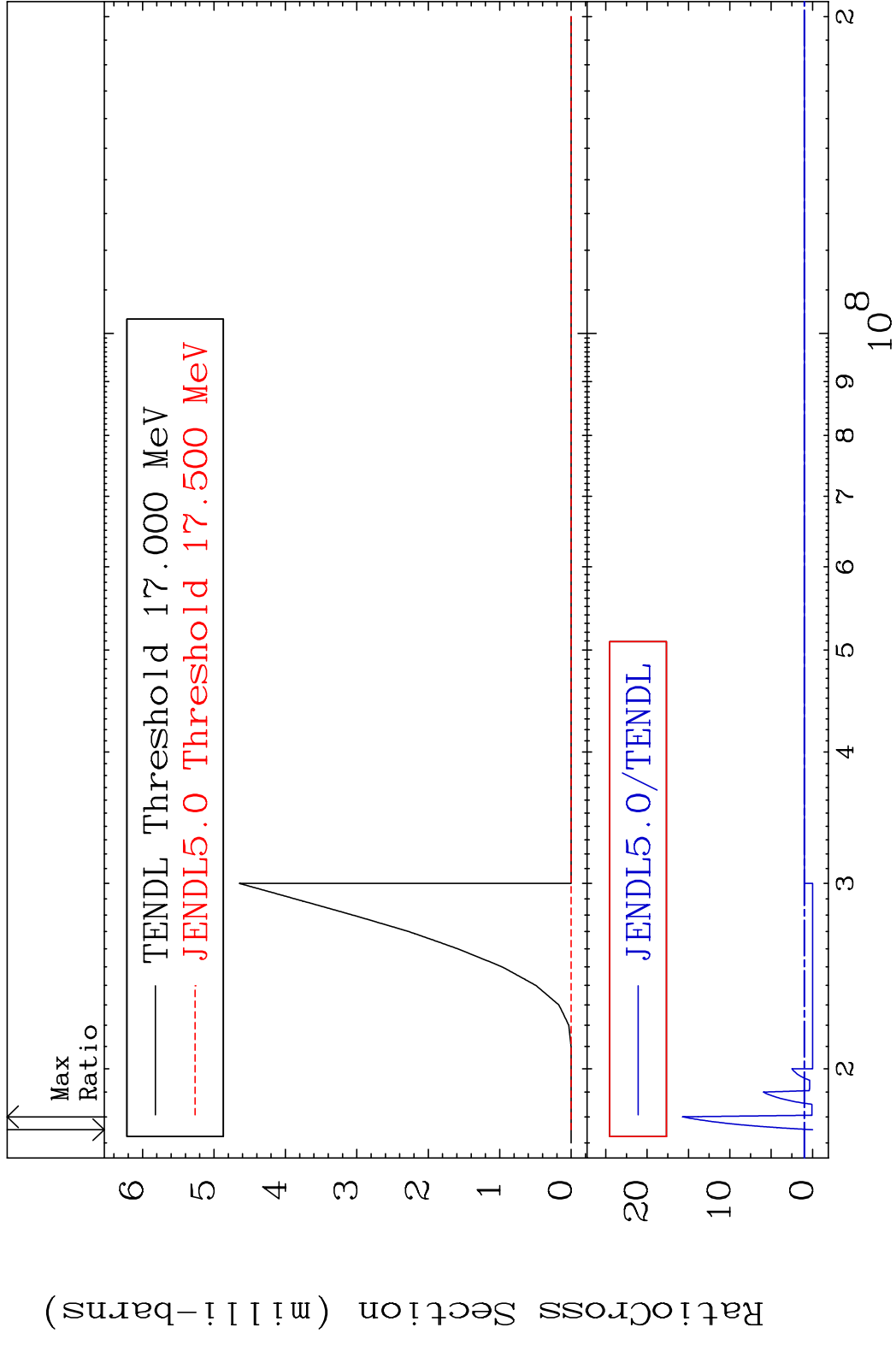
MAT 4031 (n, n') d:39-Y -90m2 40-Zr-92  
 Radionuclide Production Cross Section 180.01 dth 32.20 %



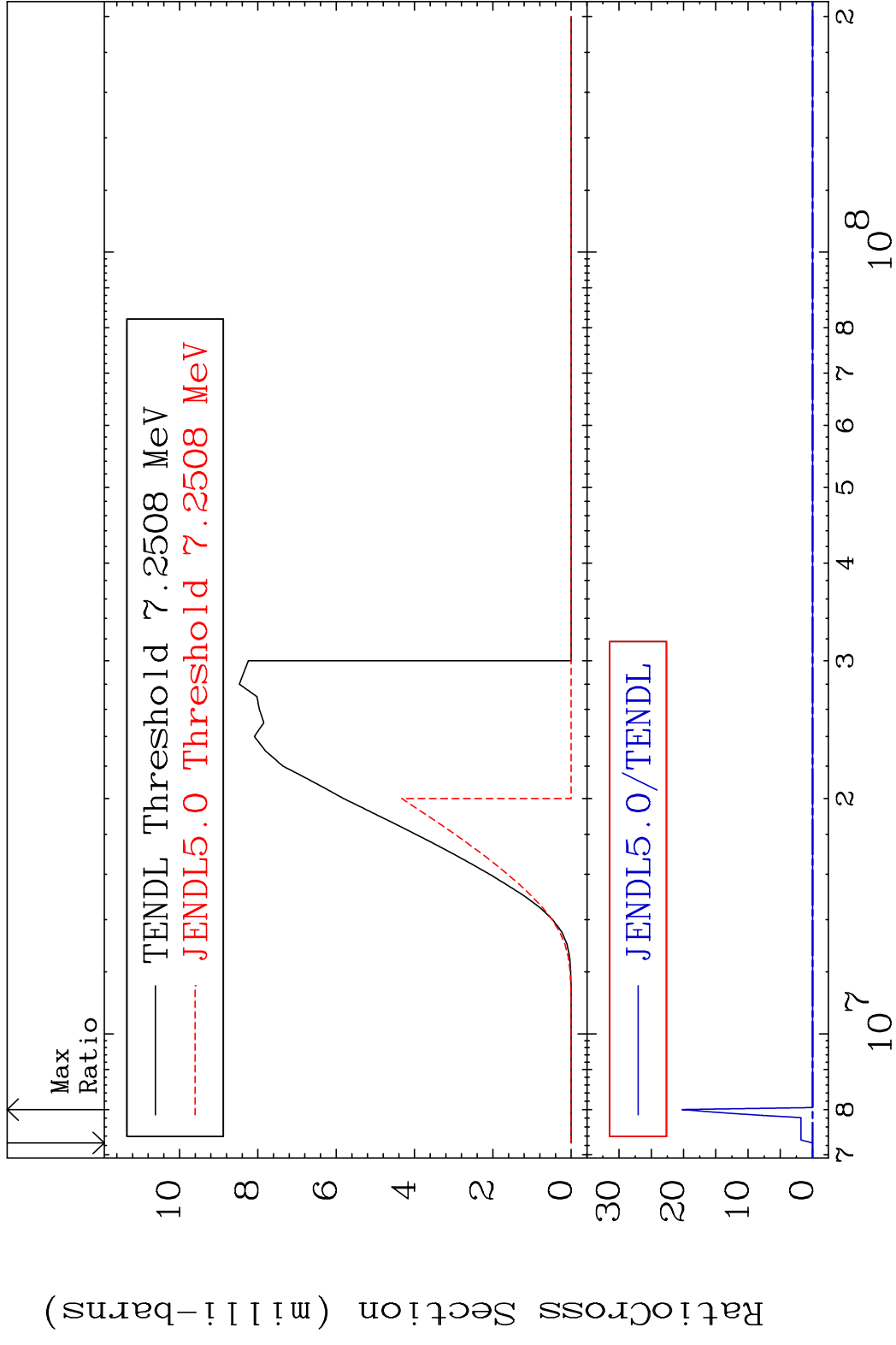
MAT 4031 (n, n') t:39-Y -89g 40-Zr-92  
 Radionuclide Production Cross Section Ratio 747.1 %



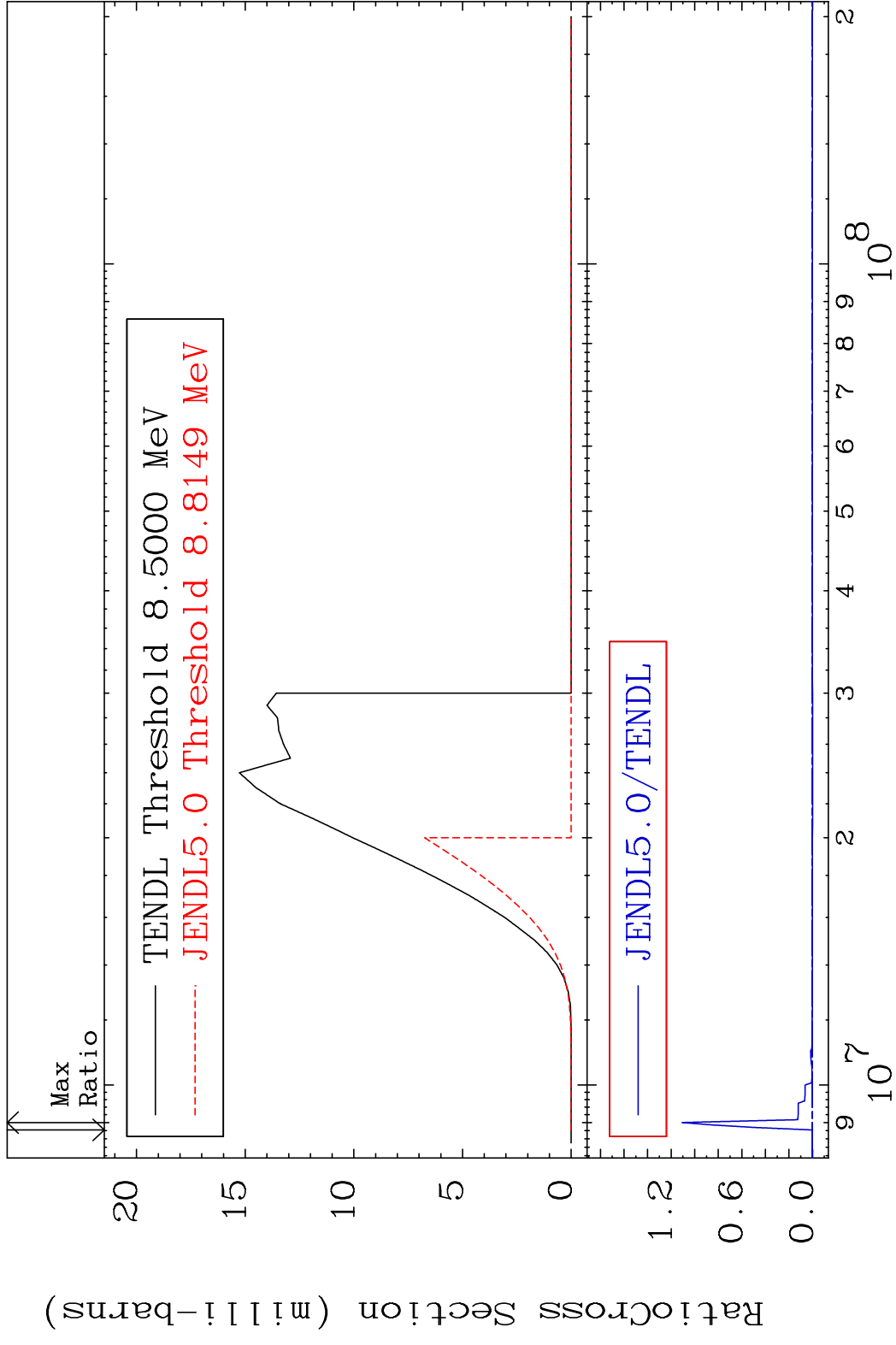
MAT 4031 (n, n') t:39-Y -89m1 40-Zr-92  
 Radionuclide Production Cross Section 180.0 mb 1474. %



MAT 4031 (n,d):39-Y -91g 40-Zr-92  
 Radionuclide Production Cross Section 18000.0 dth 9999. %

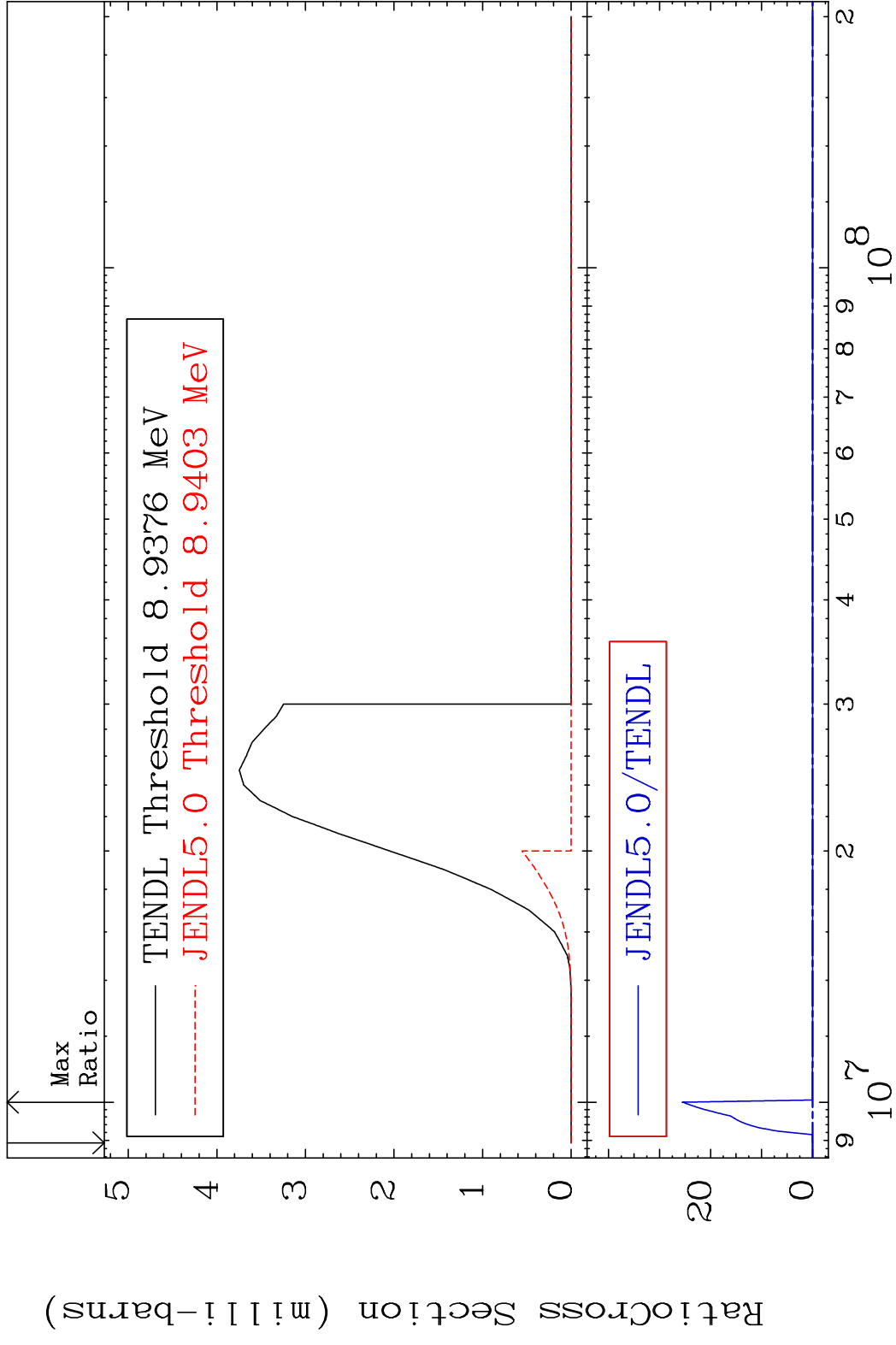


MAT 4031 (n,d):39-Y -91m1 40-Zr-92  
 Radionuclide Production Cross Section to 9999. %





MAT 4031 (n, t):39-Y -90g 40-Zr-92  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4031 (n, t):39-Y -90m2 40-Zr-92  
 Radionuclide Production Cross Section 180.0 dth 352.5 %

