

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

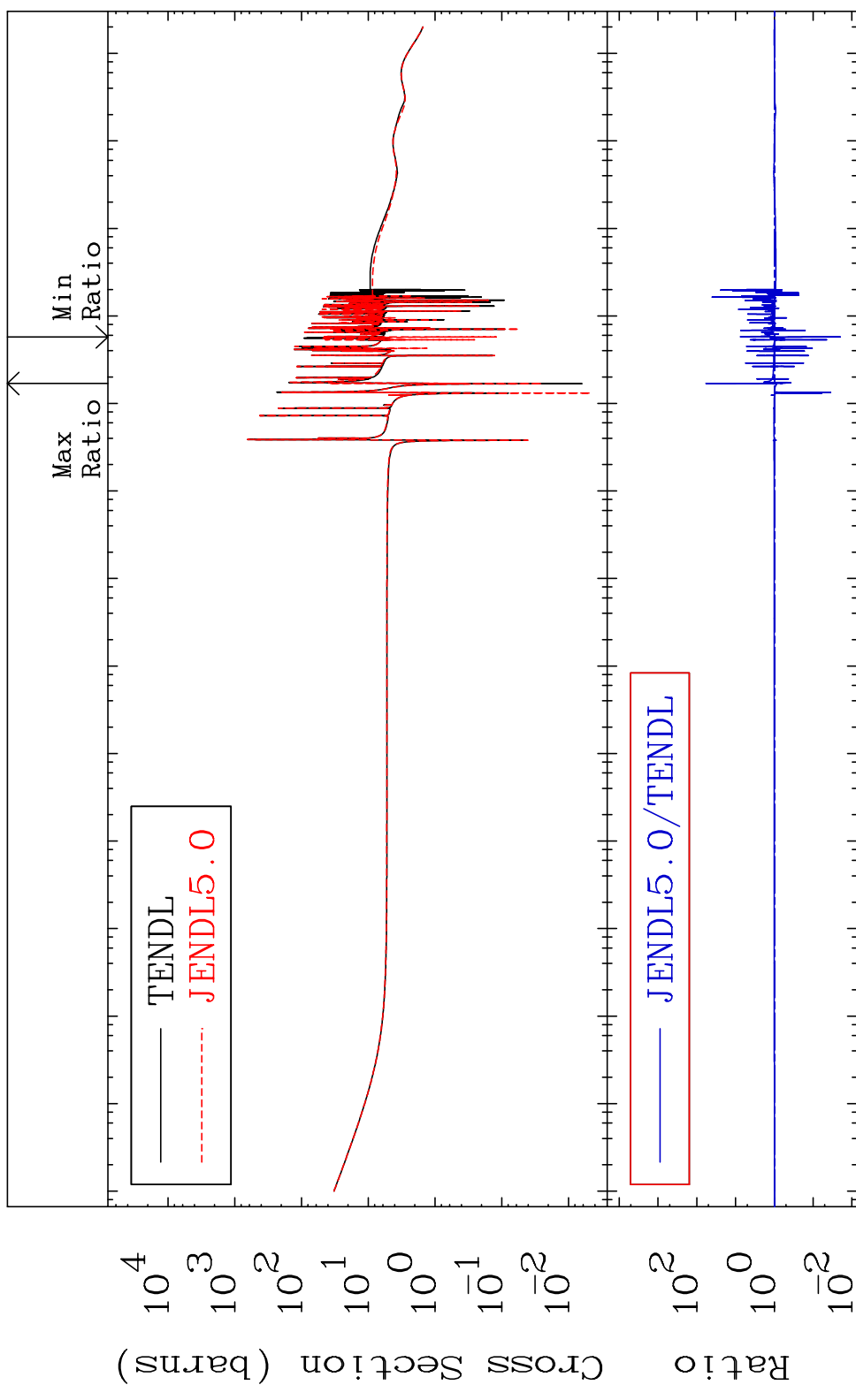
MAT 4025

Total

40-Zr-90

Cross Section

-98.03 To 5763. %



1

Incident Energy (eV)

40-Zr-90

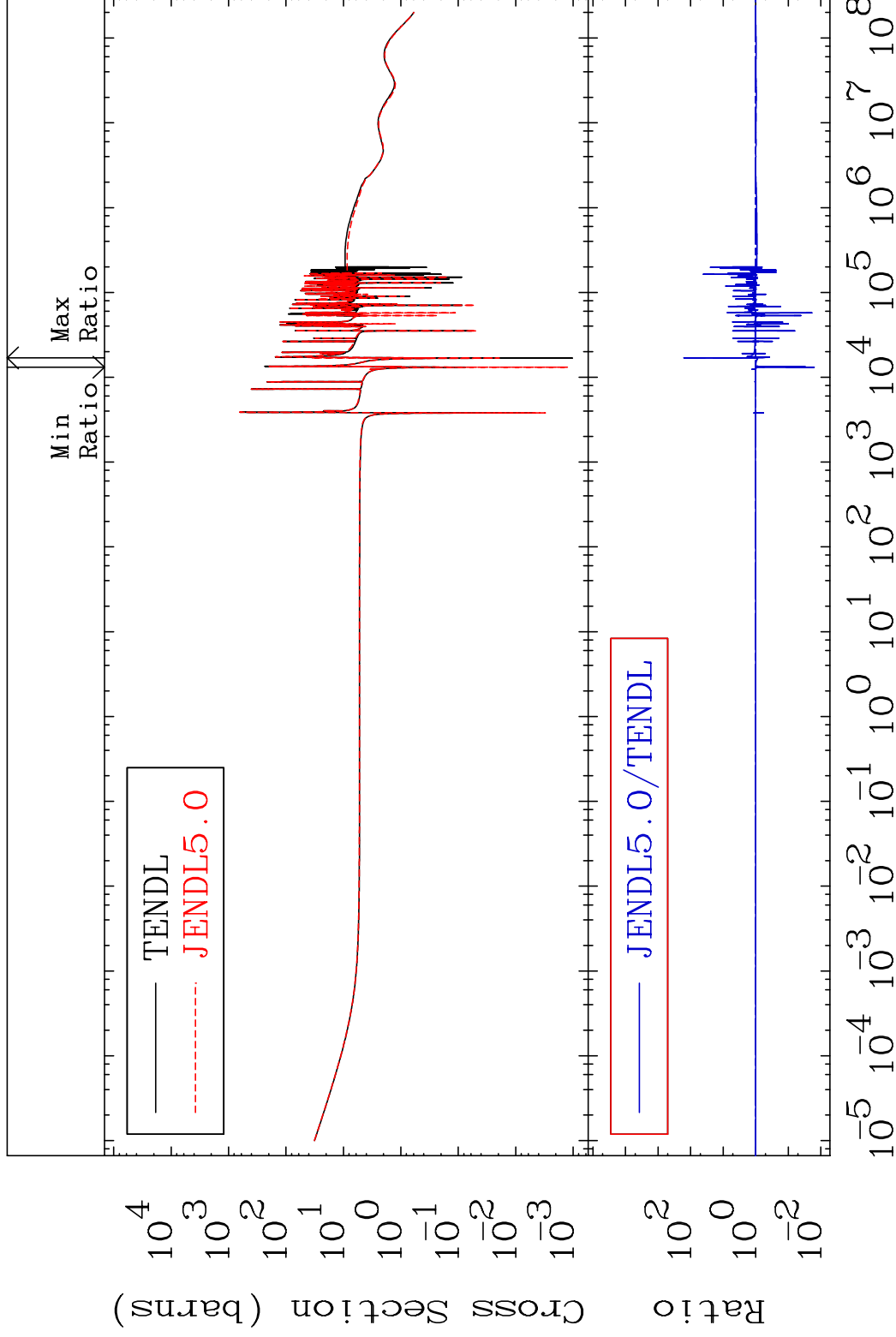
MAT 4025

Elastic

40-Zr-90

Cross Section

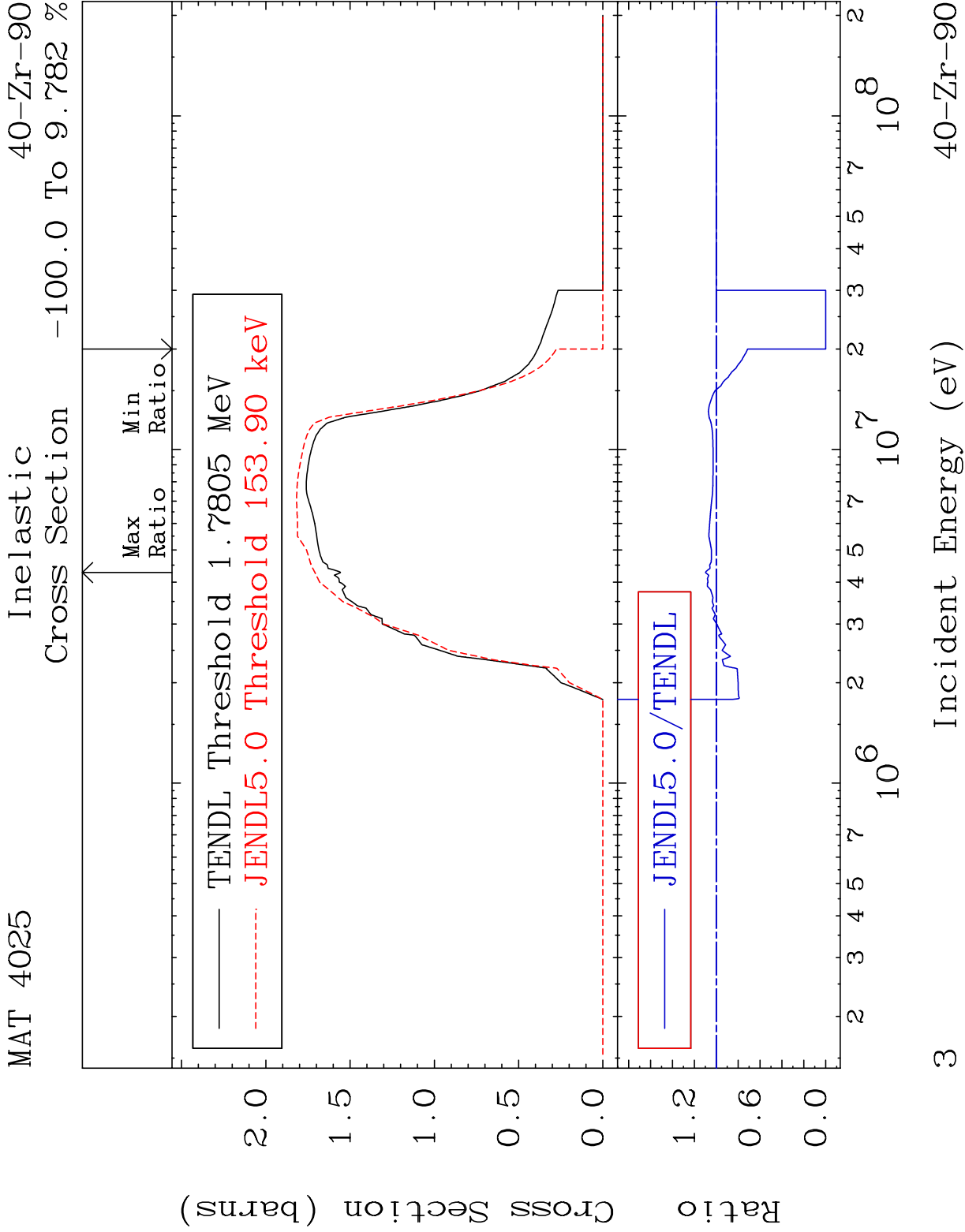
-98.39 To 9999. %



2

Incident Energy (eV)

40-Zr-90

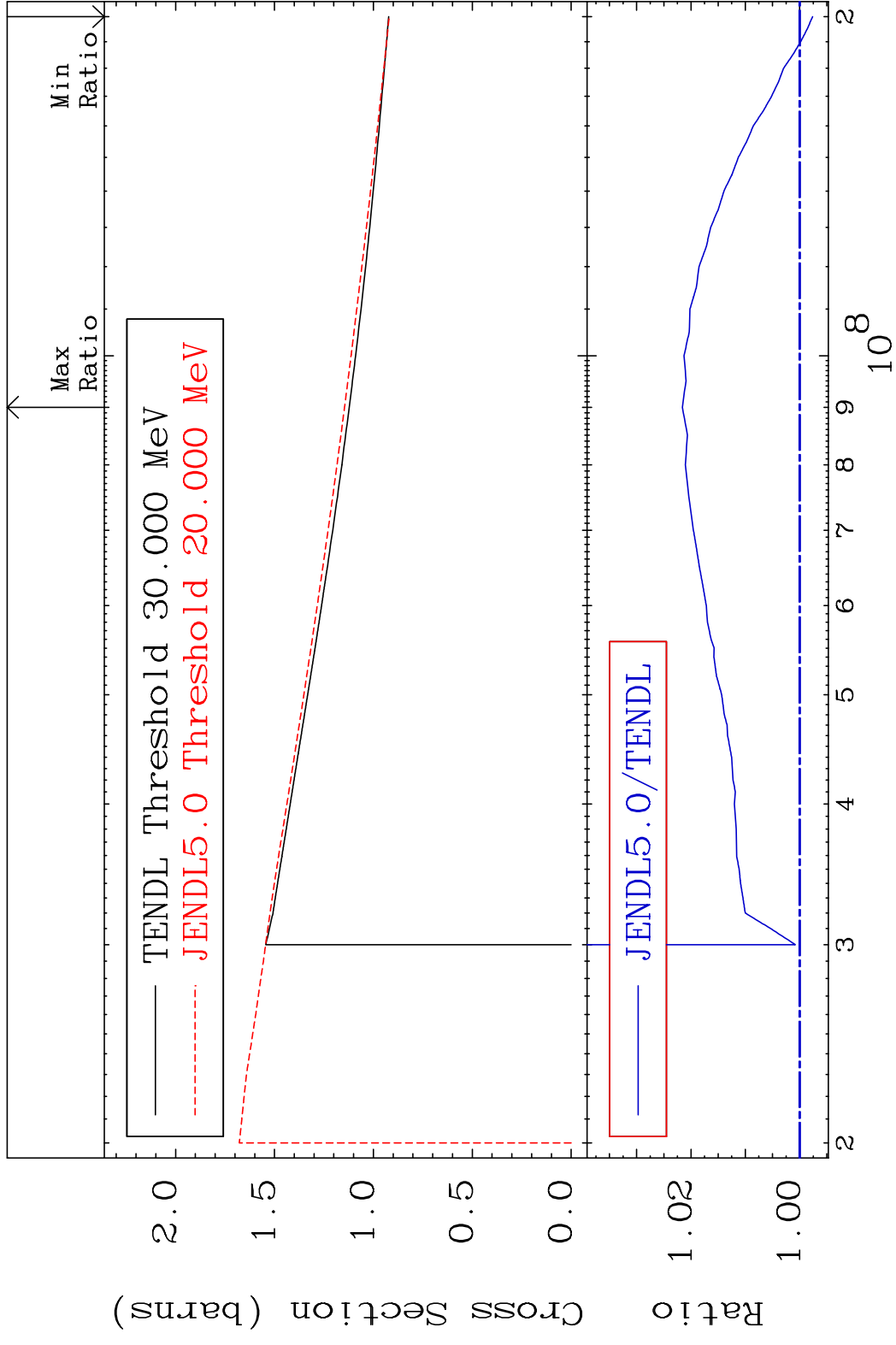


MAT 4025

(n, remainder)

40-Zr-90

Cross Section -0.238 To 2.159 %

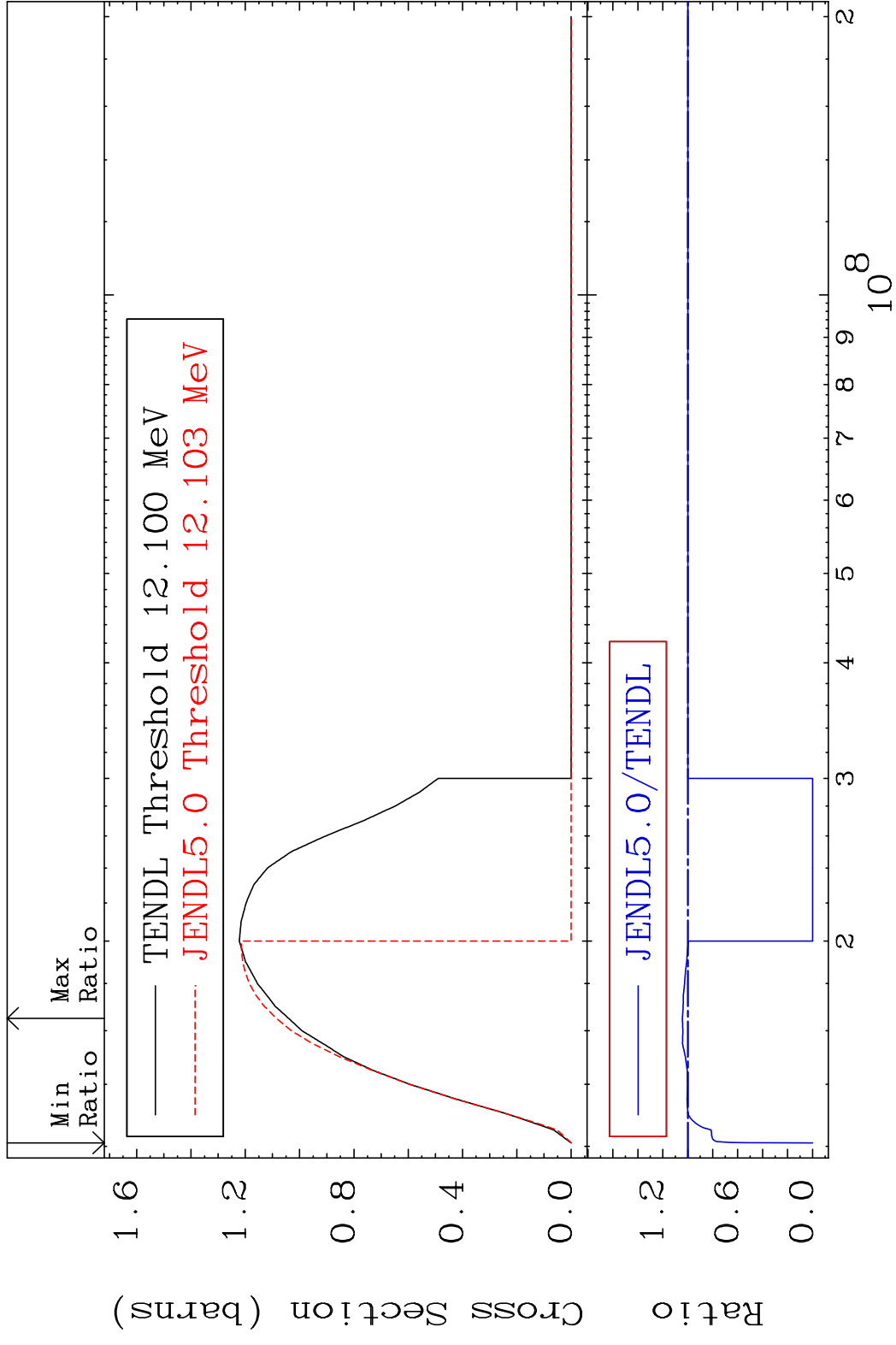


40-Zr-90

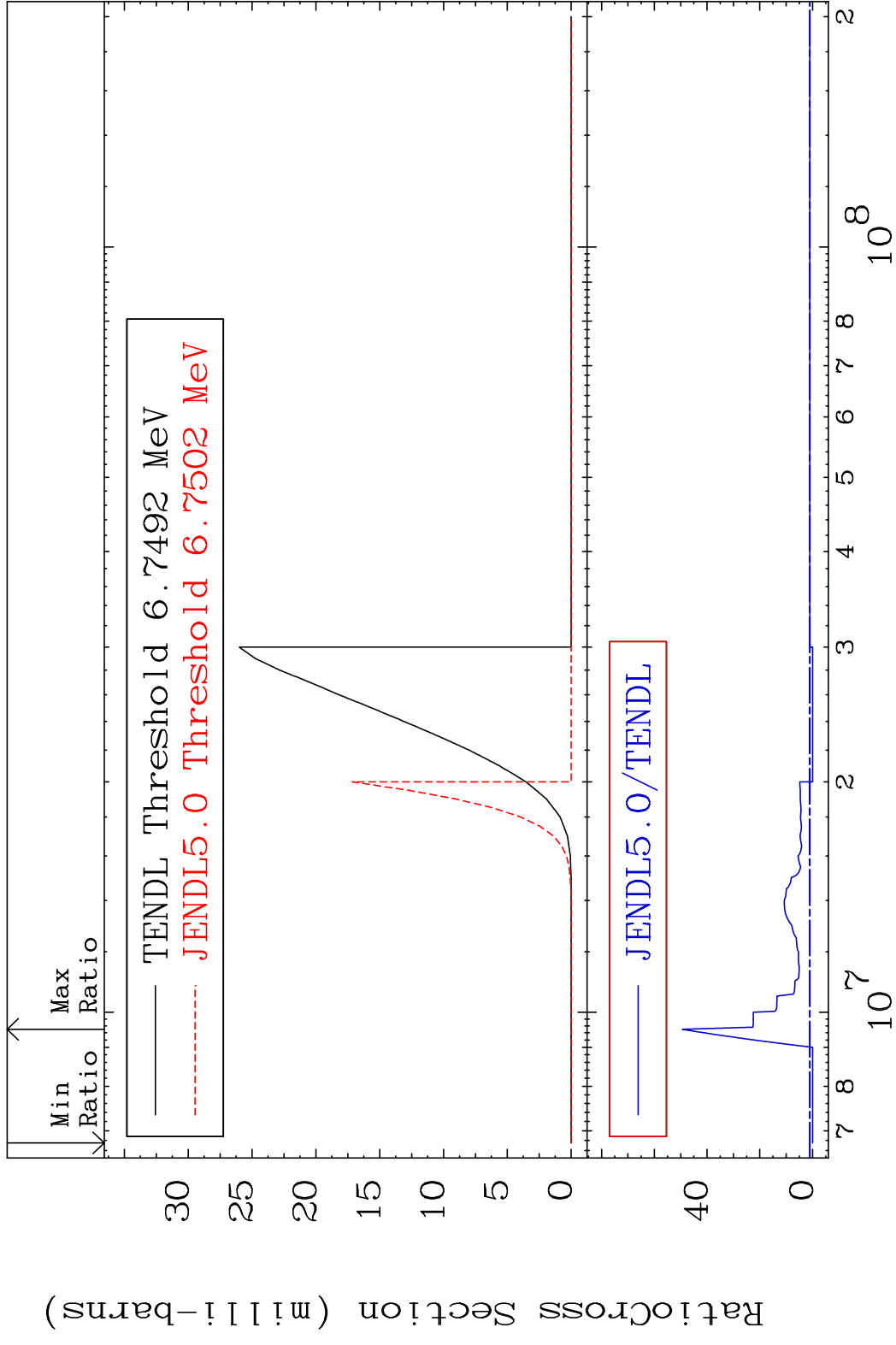
Incident Energy (eV)

4

MAT 4025 (n,2n) 40-Zr-90  
 Cross Section -100.0 To 4.338 %

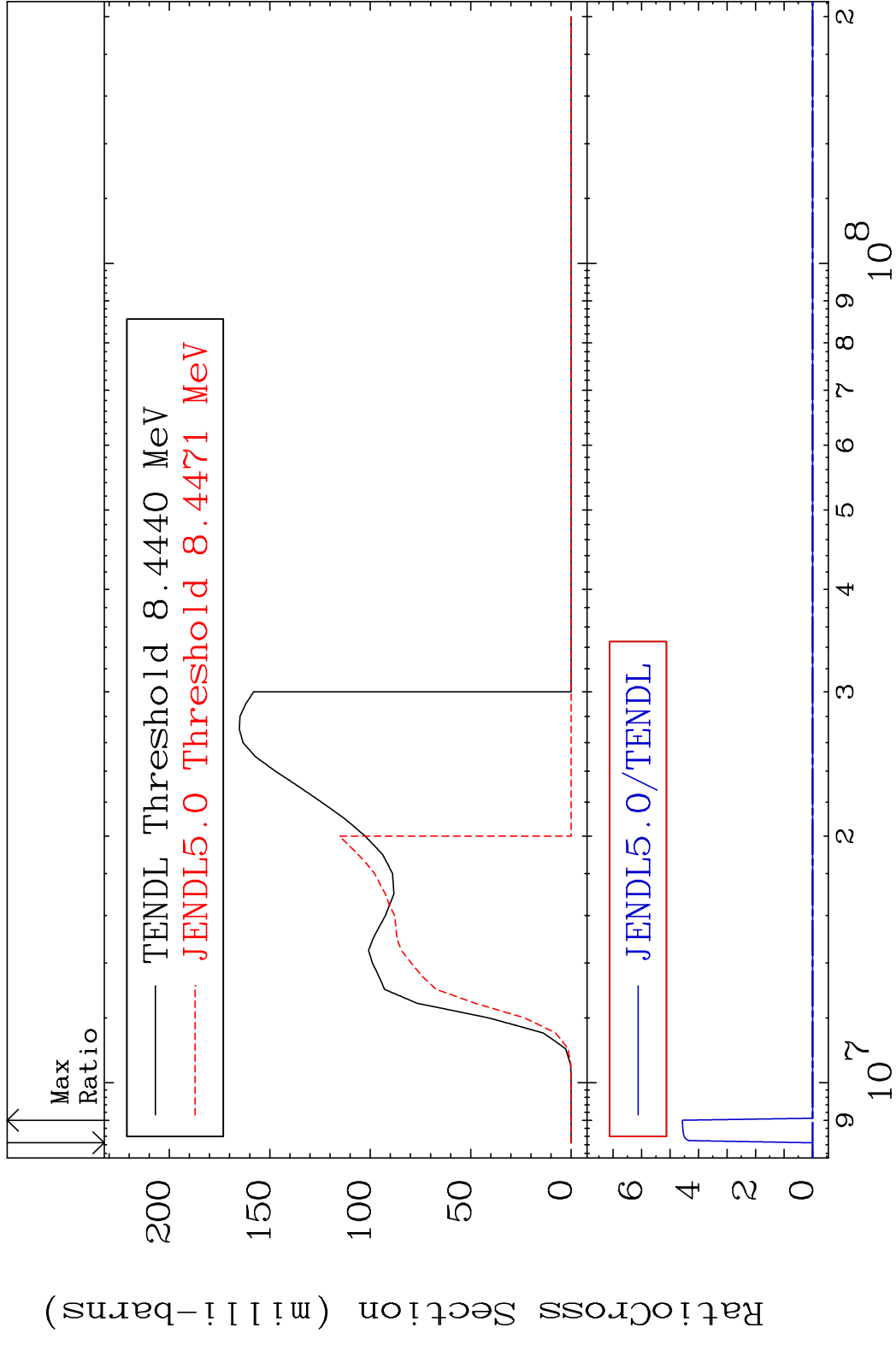


MAT 4025 (n, n')  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 4837. %



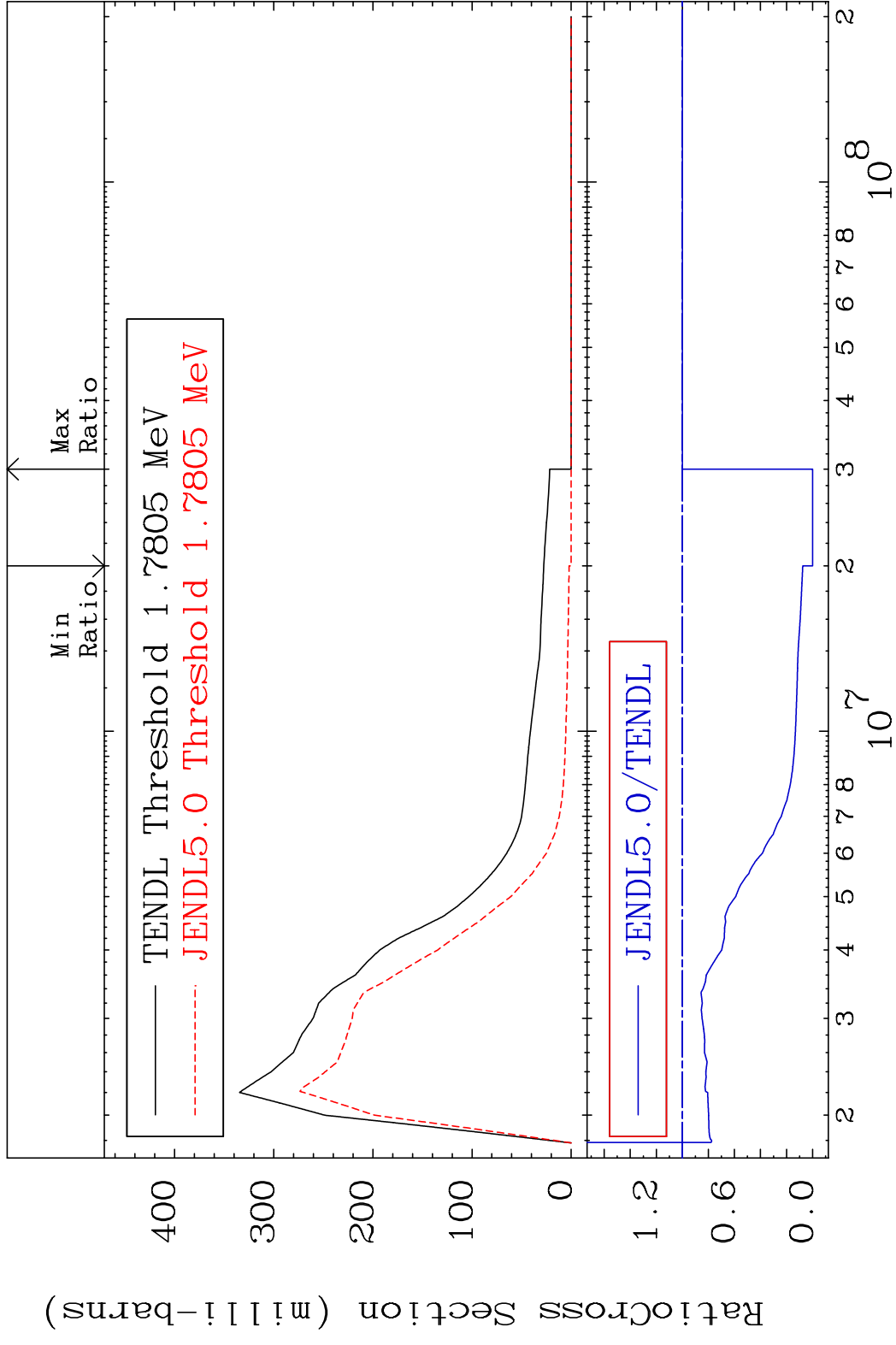
6 7 8 10<sup>7</sup> 10<sup>8</sup> 2

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

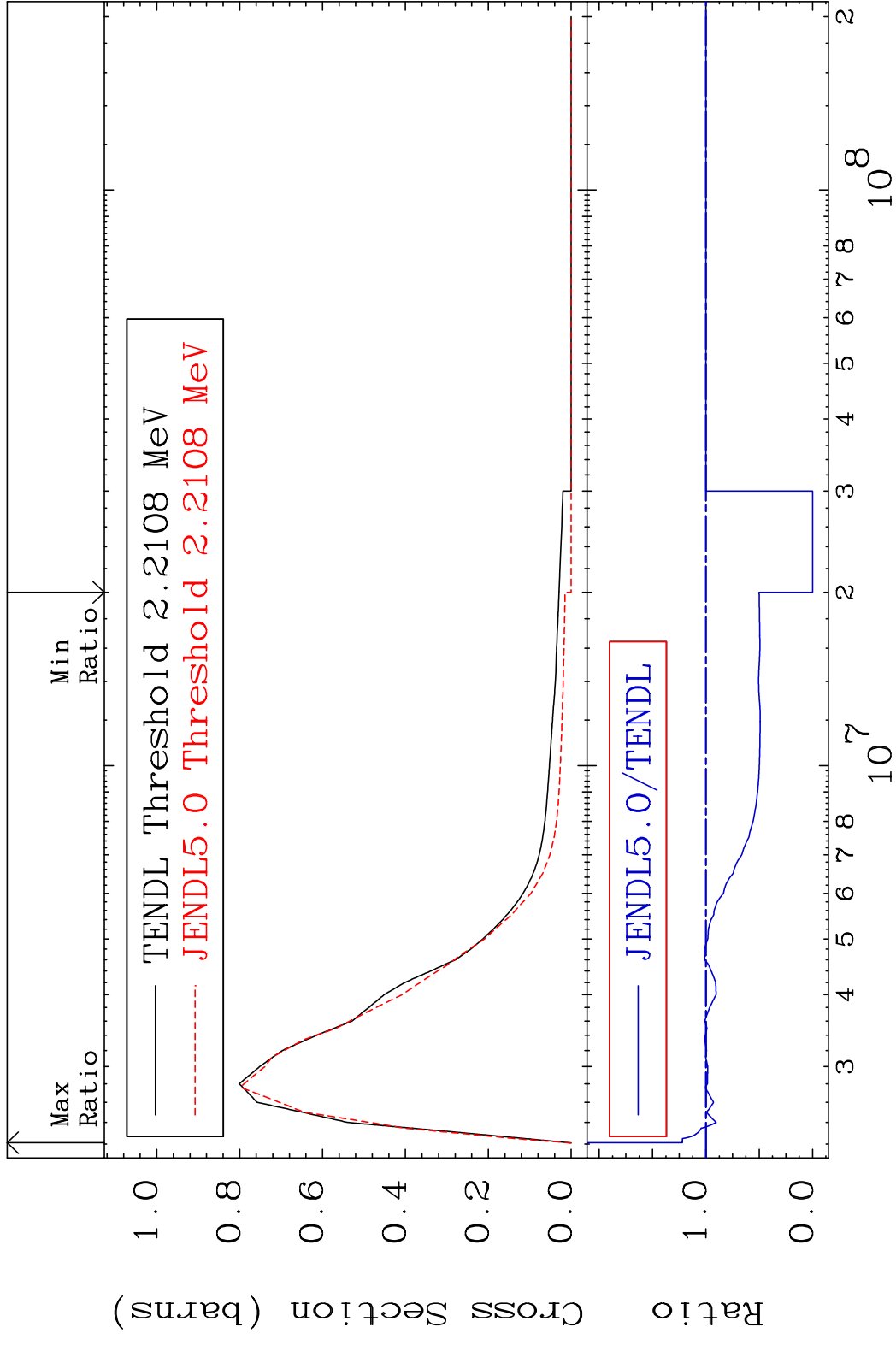


7 Incident Energy (eV) 40-Zr-90

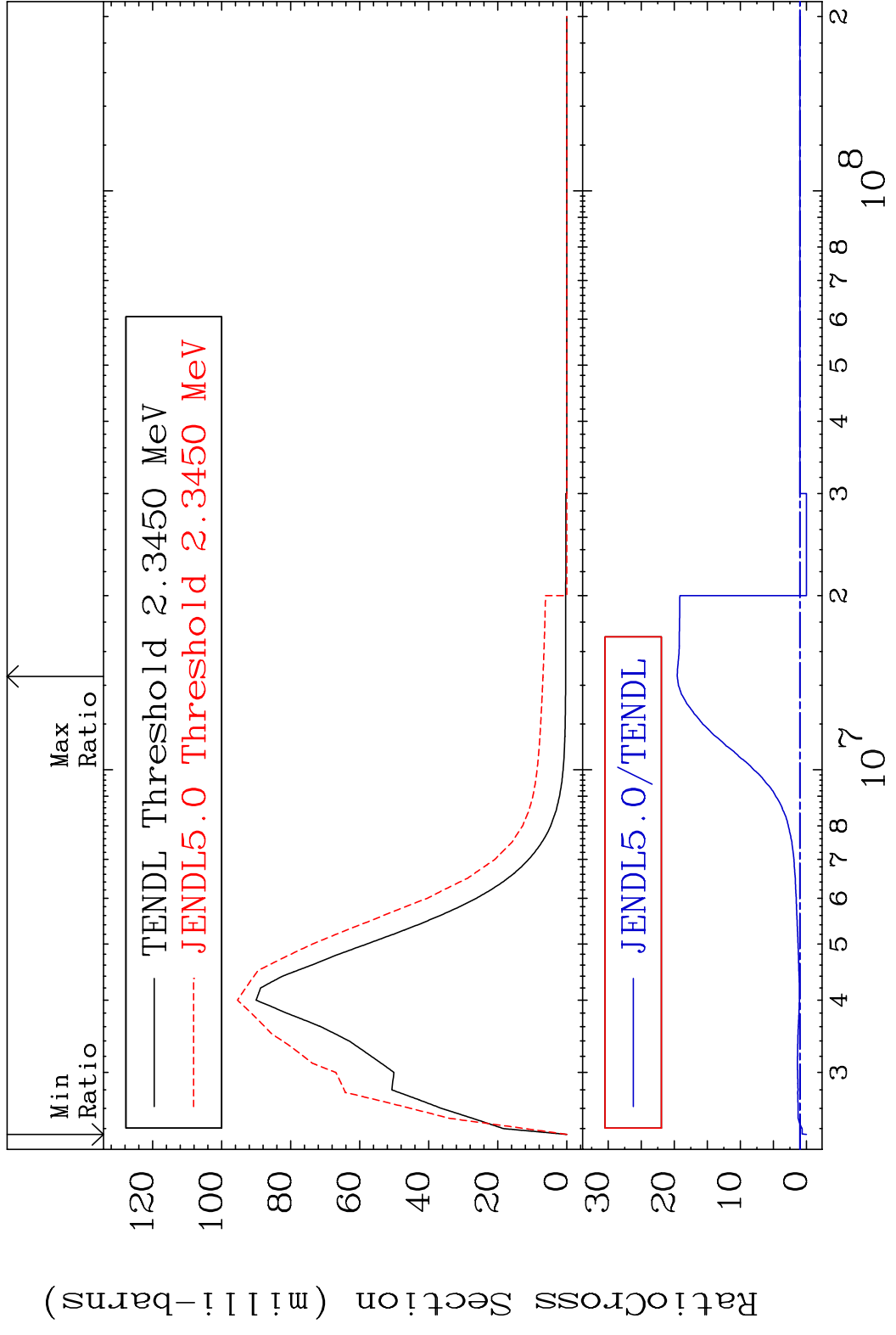
MAT 4025 MT= 51 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 0.000 %



MAT 4025 MT= 52 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 22.08 %

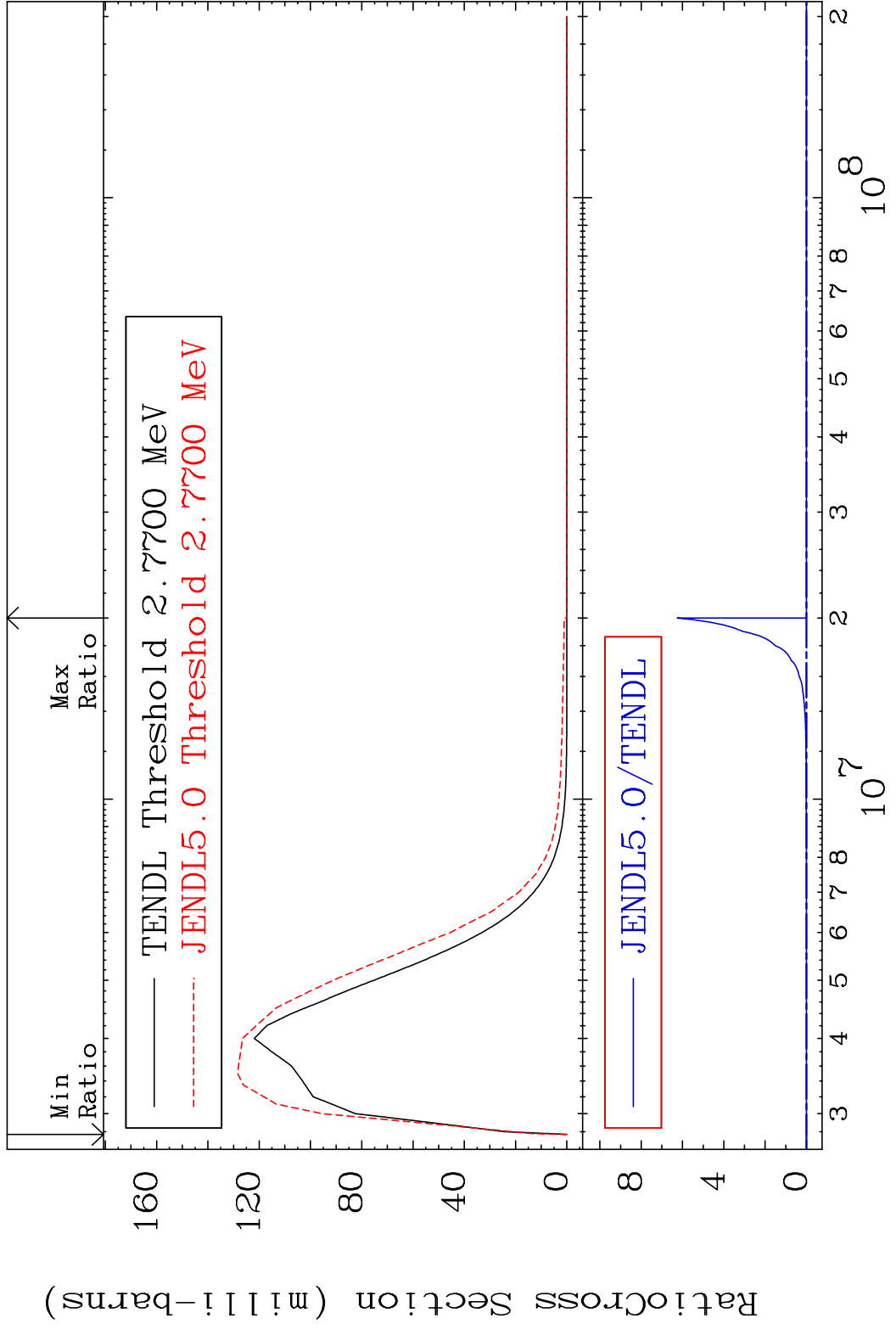


MAT 4025 MT= 53 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 1856. %



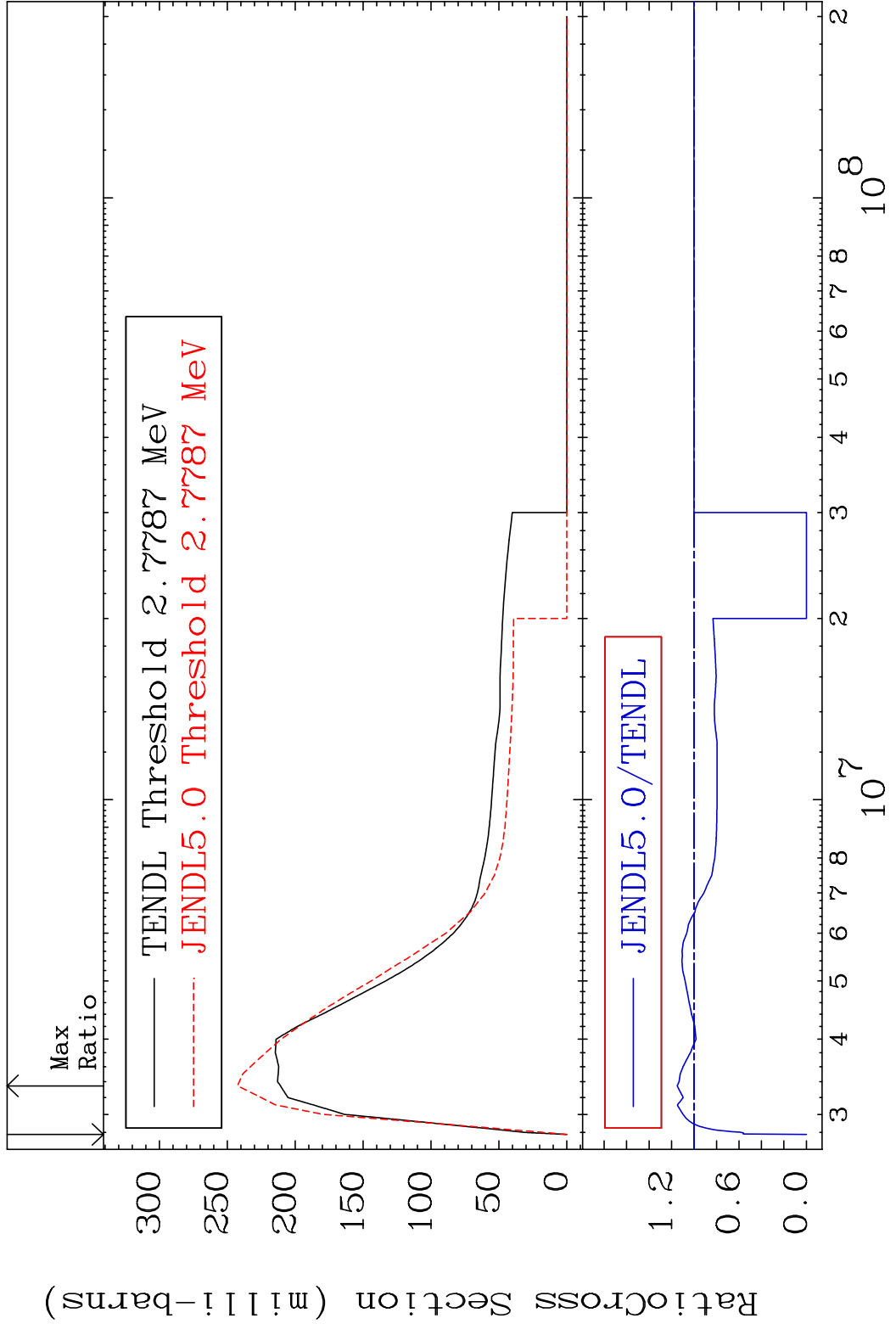
10 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

MAT 4025 MT= 54 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 9999. %

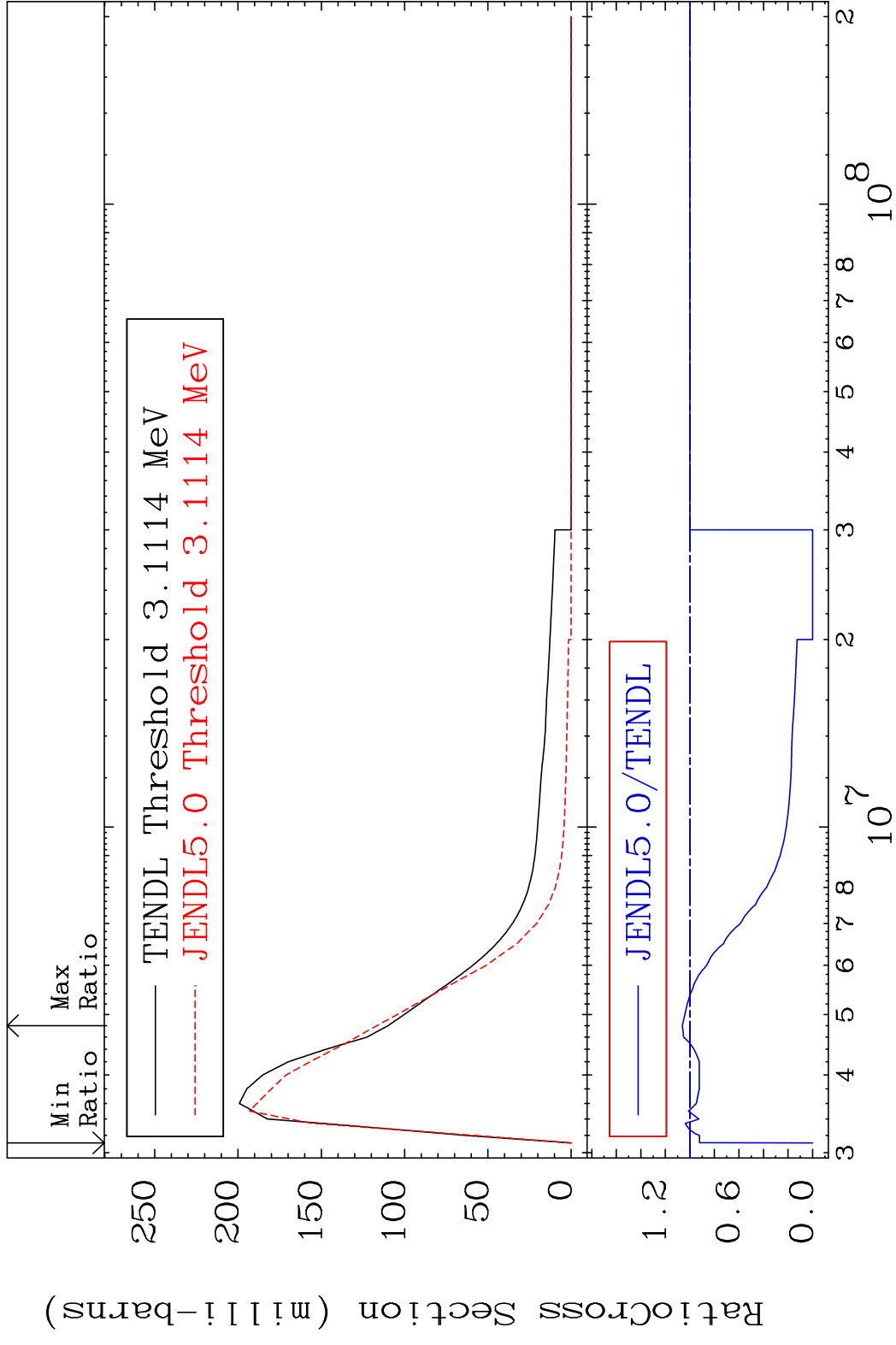


11 Incident Energy (eV) 40-Zr-90

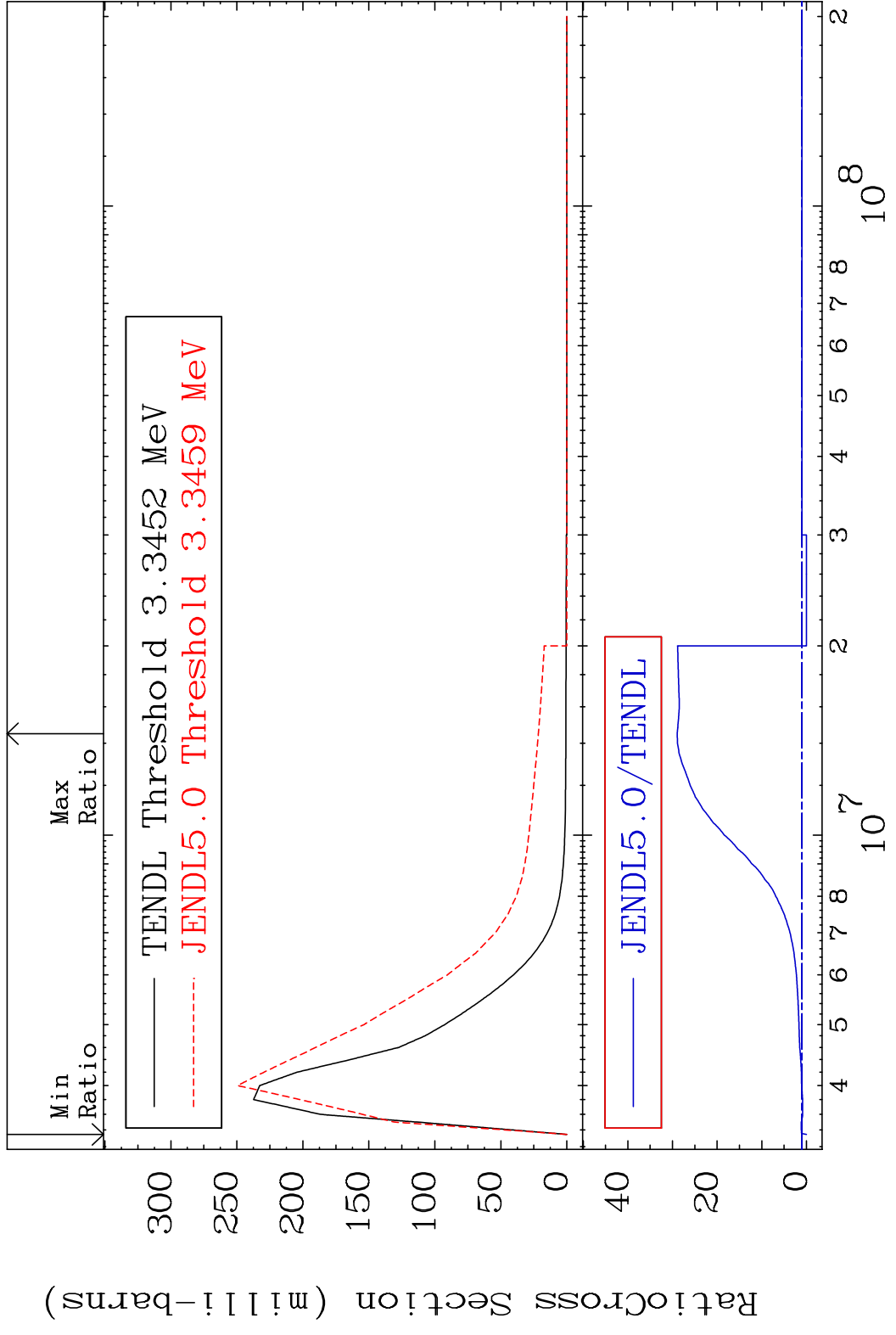
MAT 4025 MT= 55 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 14.98 %



MAT 4025 MT= 56 (n,n') Level 40-Zr-90  
 Cross Section -100.0 To 6.148 %



MAT 4025 MT= 57 (n, n') Level 40-Zr-90  
 Cross Section -100.0 To 2795. %

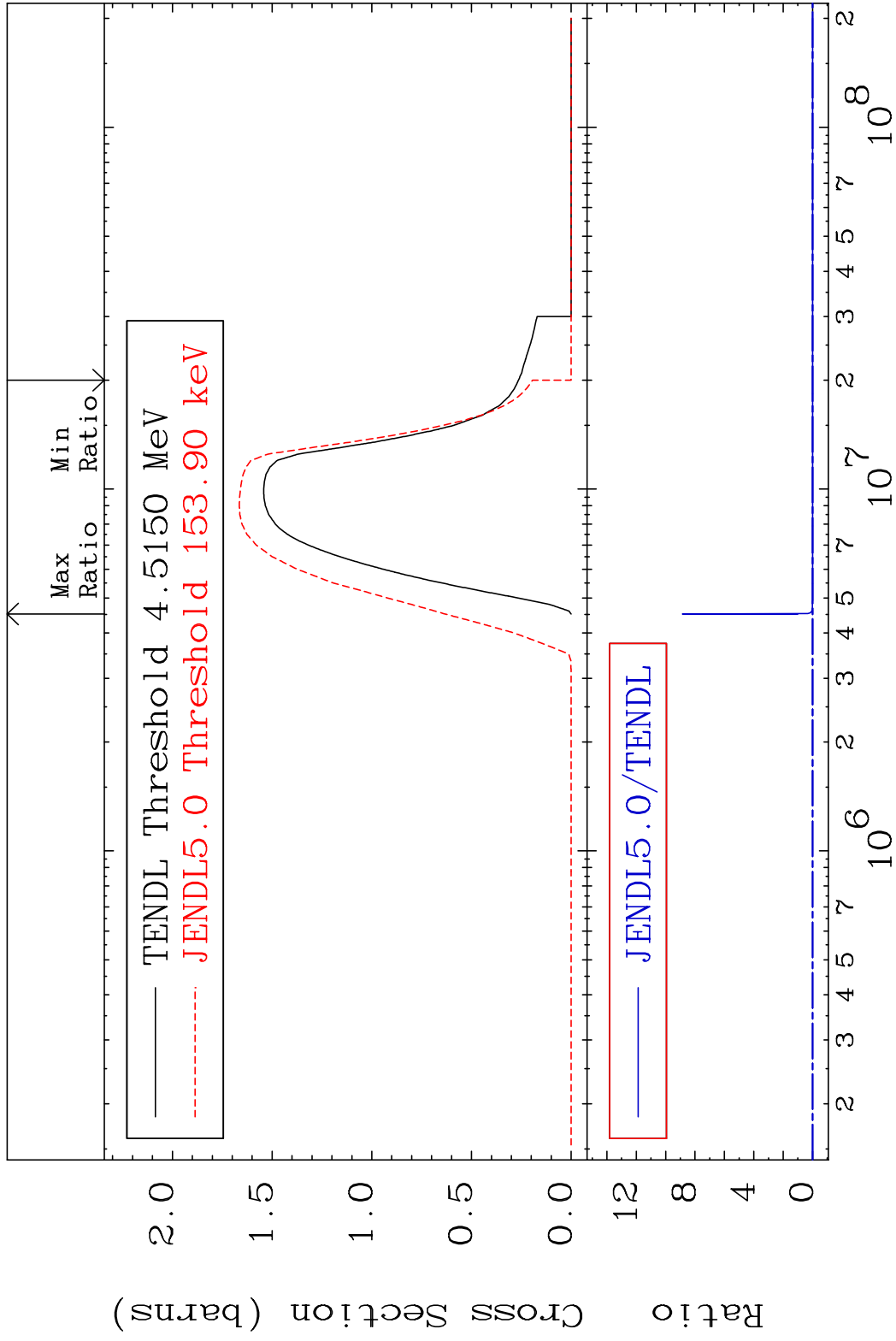


MAT 4025

(n,n') Continuum

40-Zr-90

Cross Section -100.0 To 9999. %



15

Incident Energy (eV)

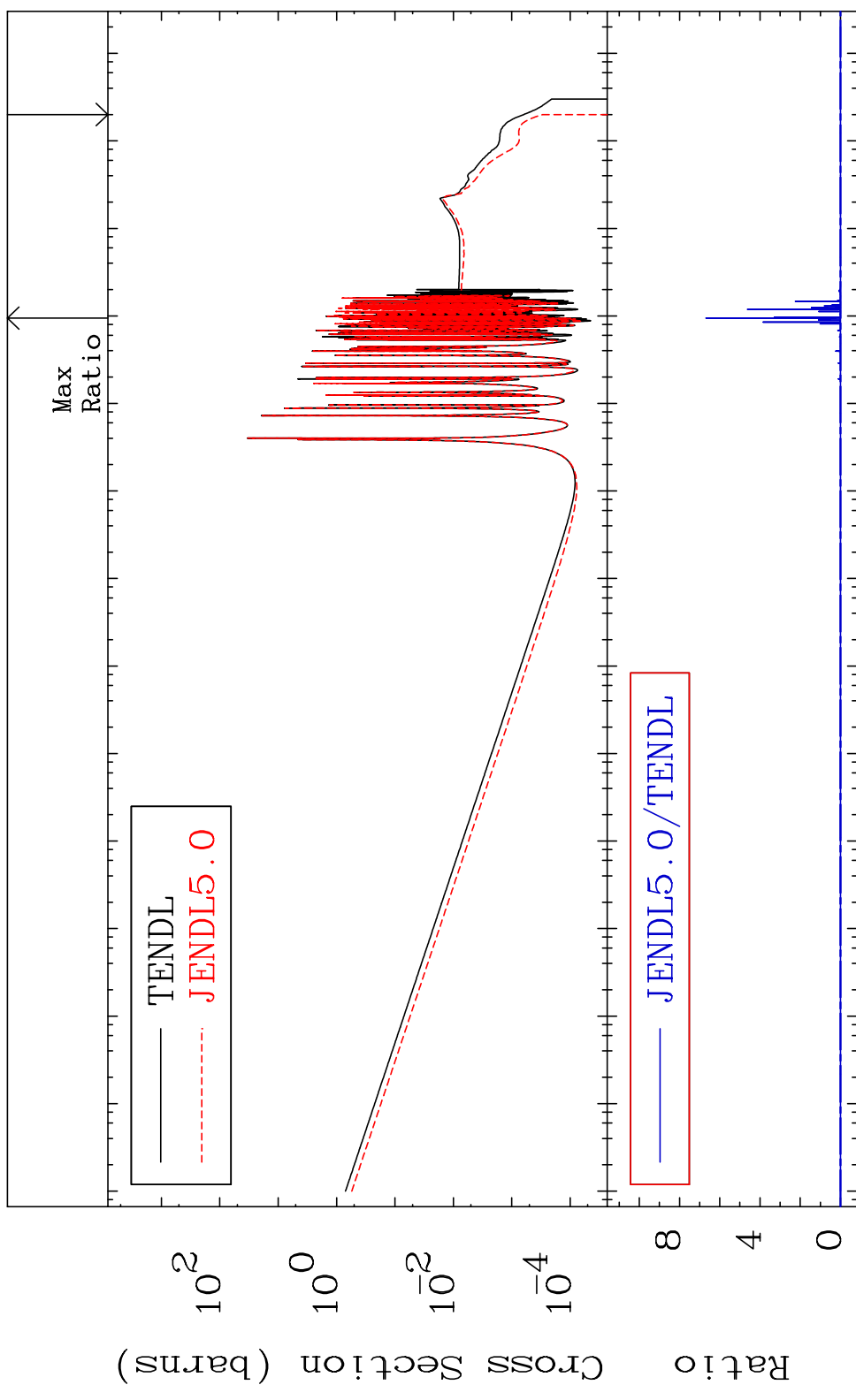
40-Zr-90

MAT 4025

(n,  $\gamma$ )

40-Zr-90

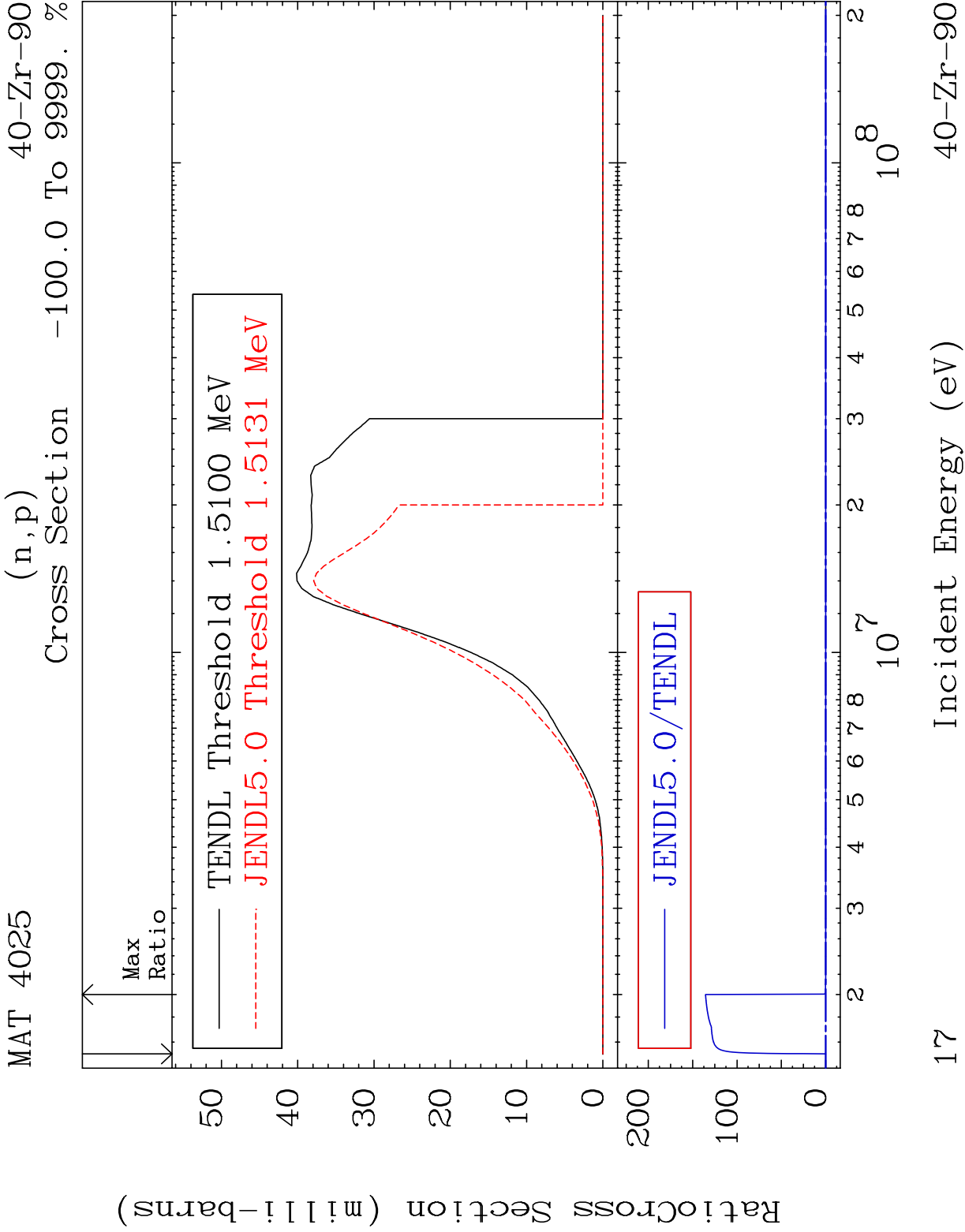
Cross Section -100.0 To 9999. %



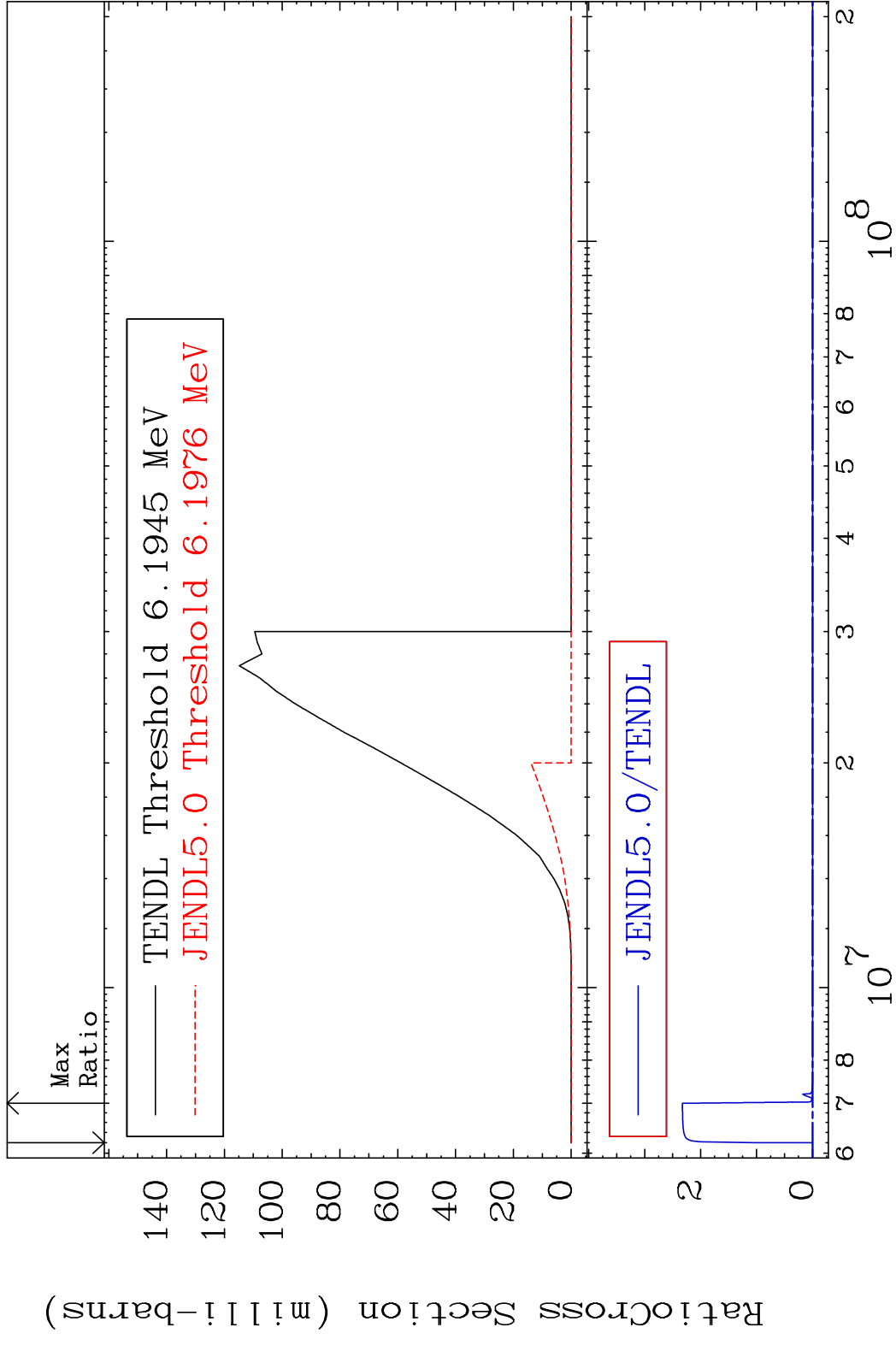
16

Incident Energy (eV)

40-Zr-90

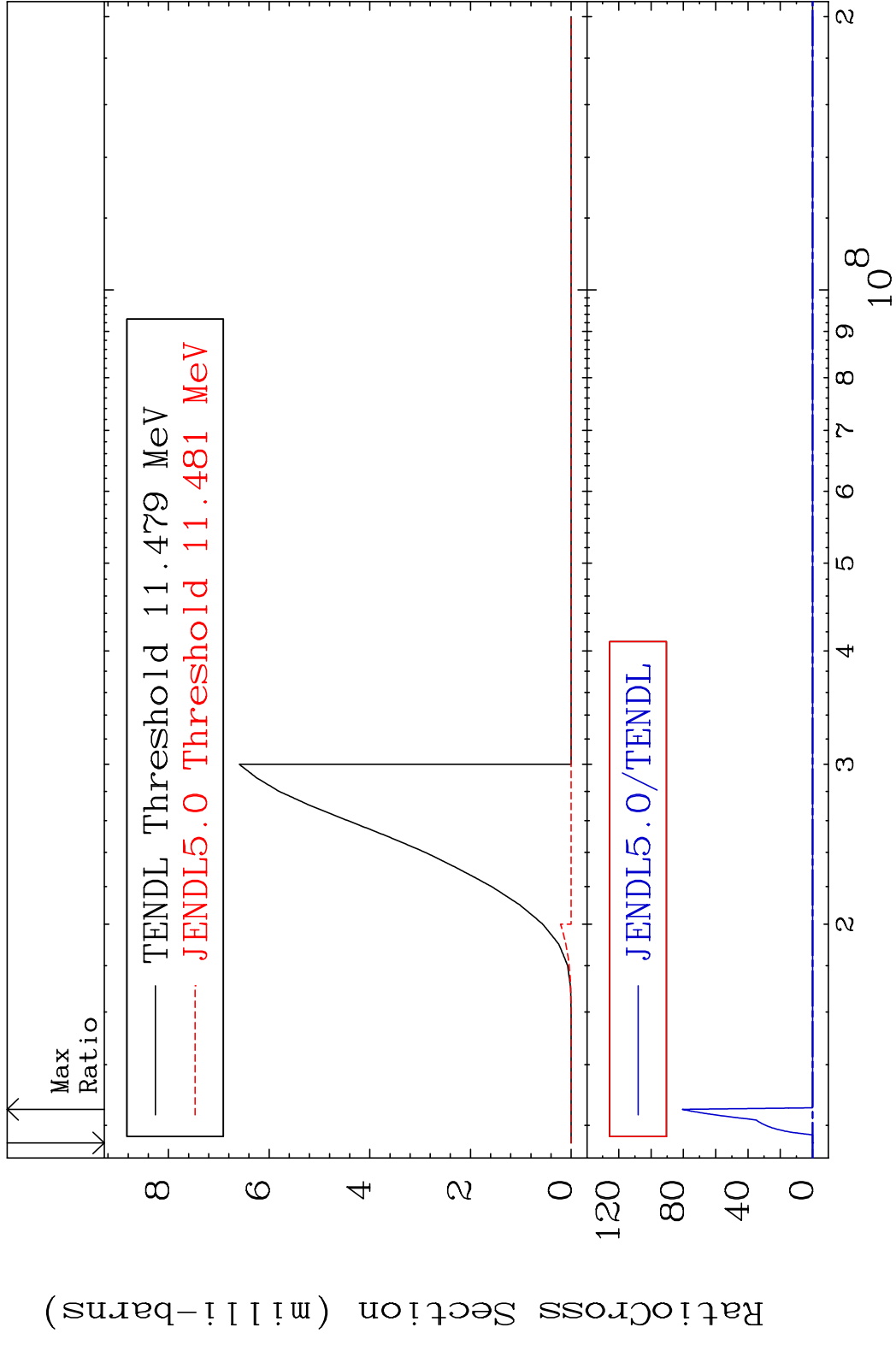


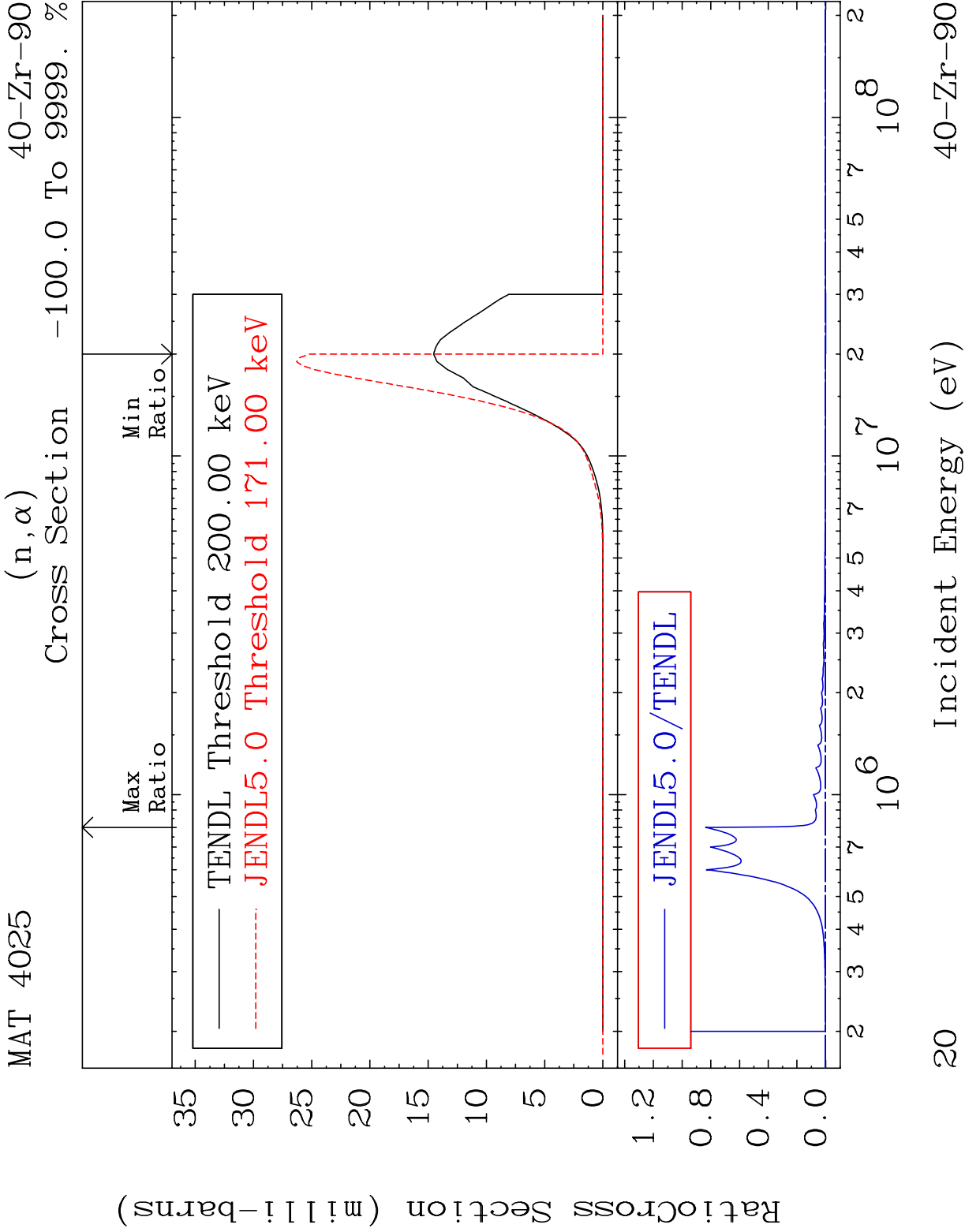
MAT 4025 (n,d) 40-Zr-90  
 Cross Section -100.0 To 9999. %



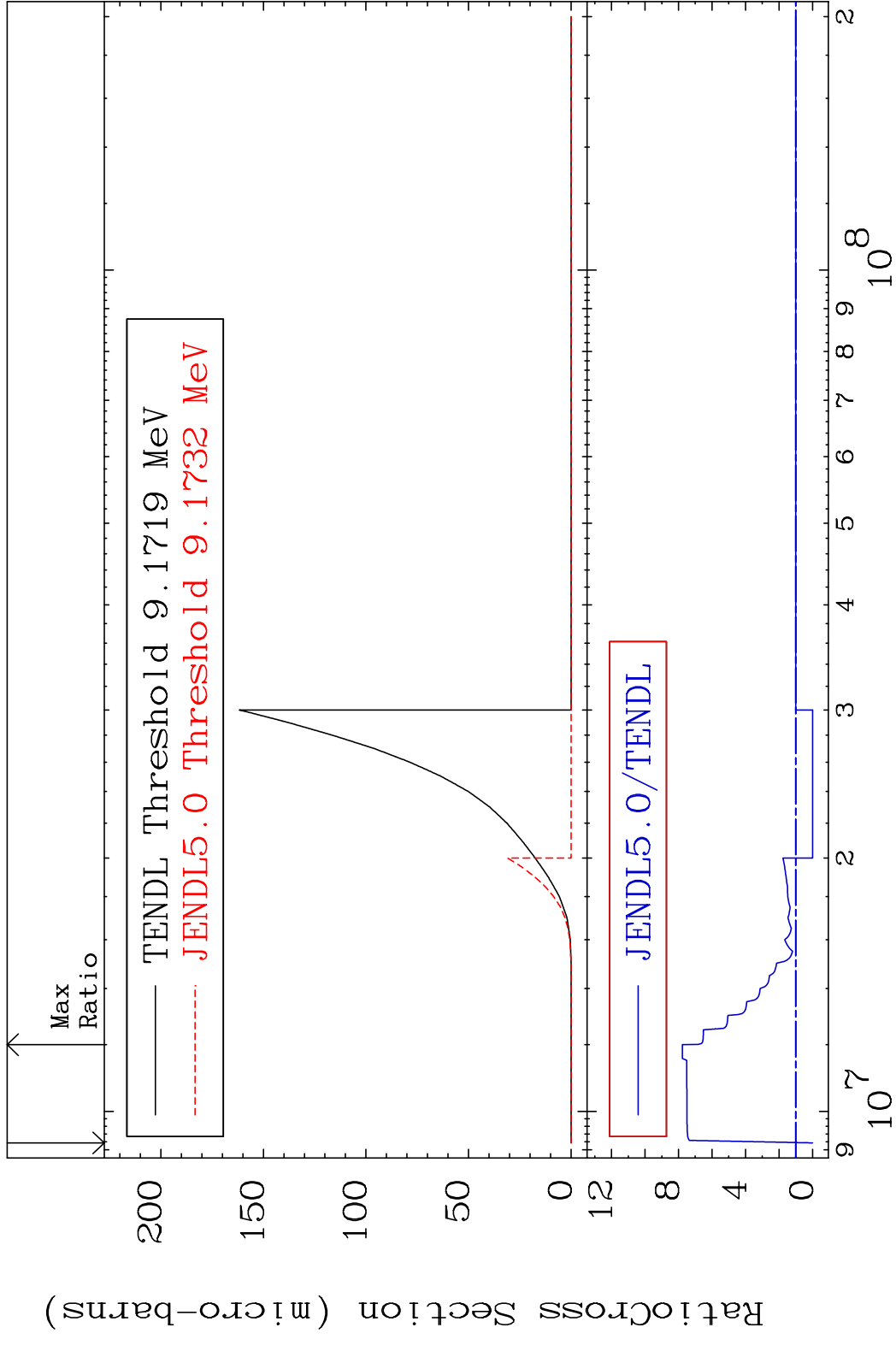
18 Incident Energy (eV) 40-Zr-90

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



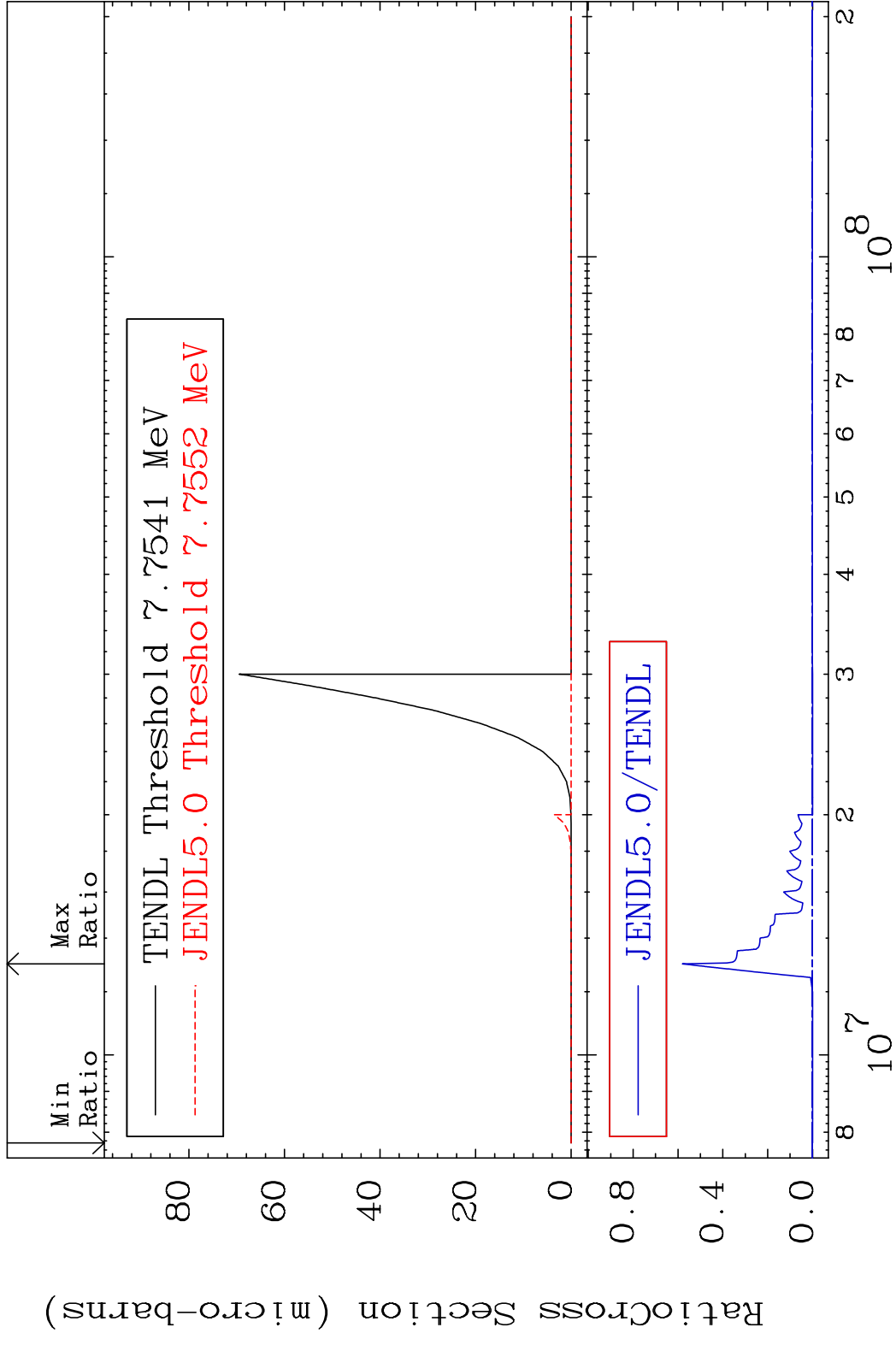


MAT 4025 (n,2p) 40-Zr-90  
 Cross Section -100.0 To 677.1 %

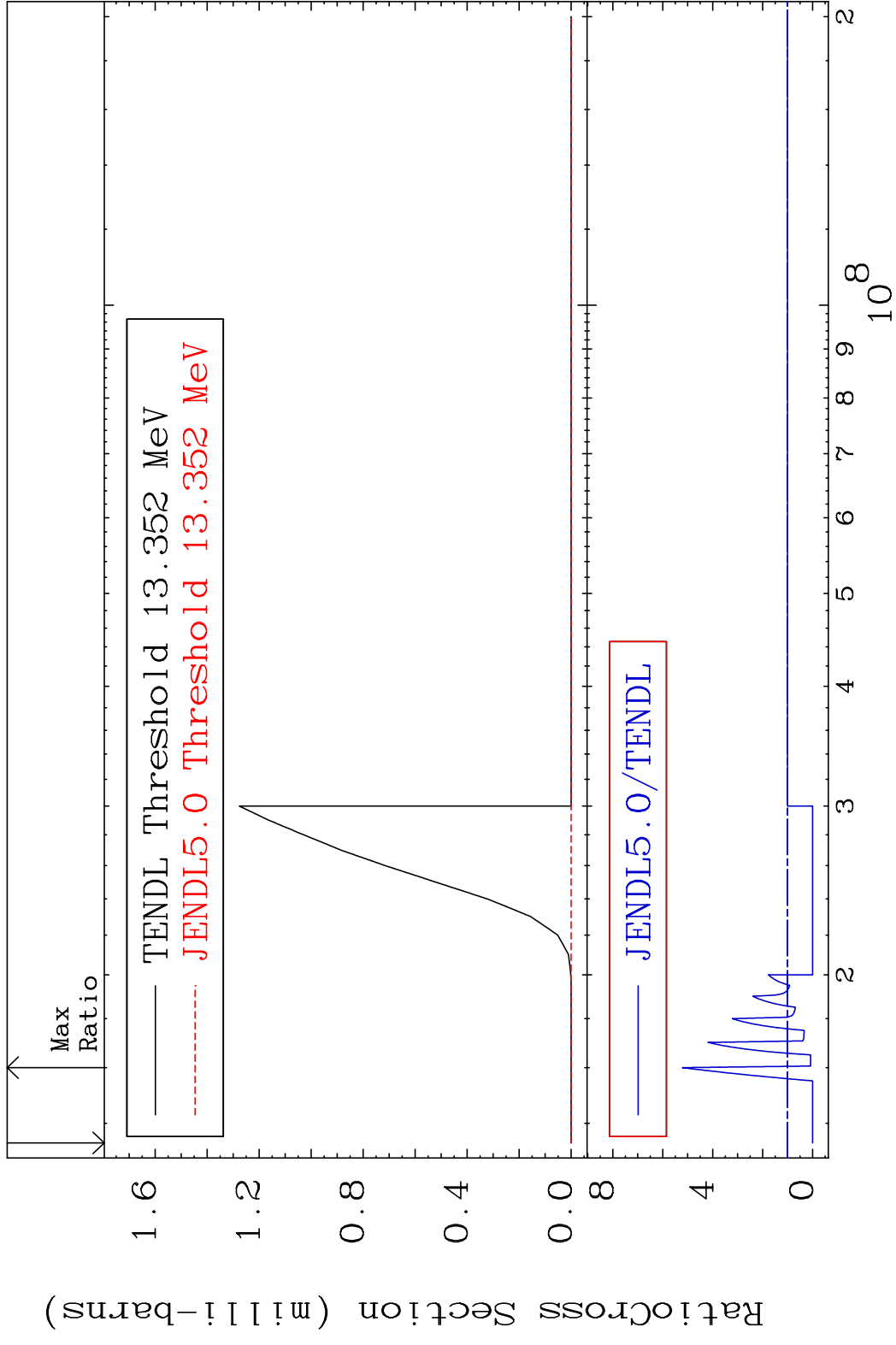


21 40-Zr-90

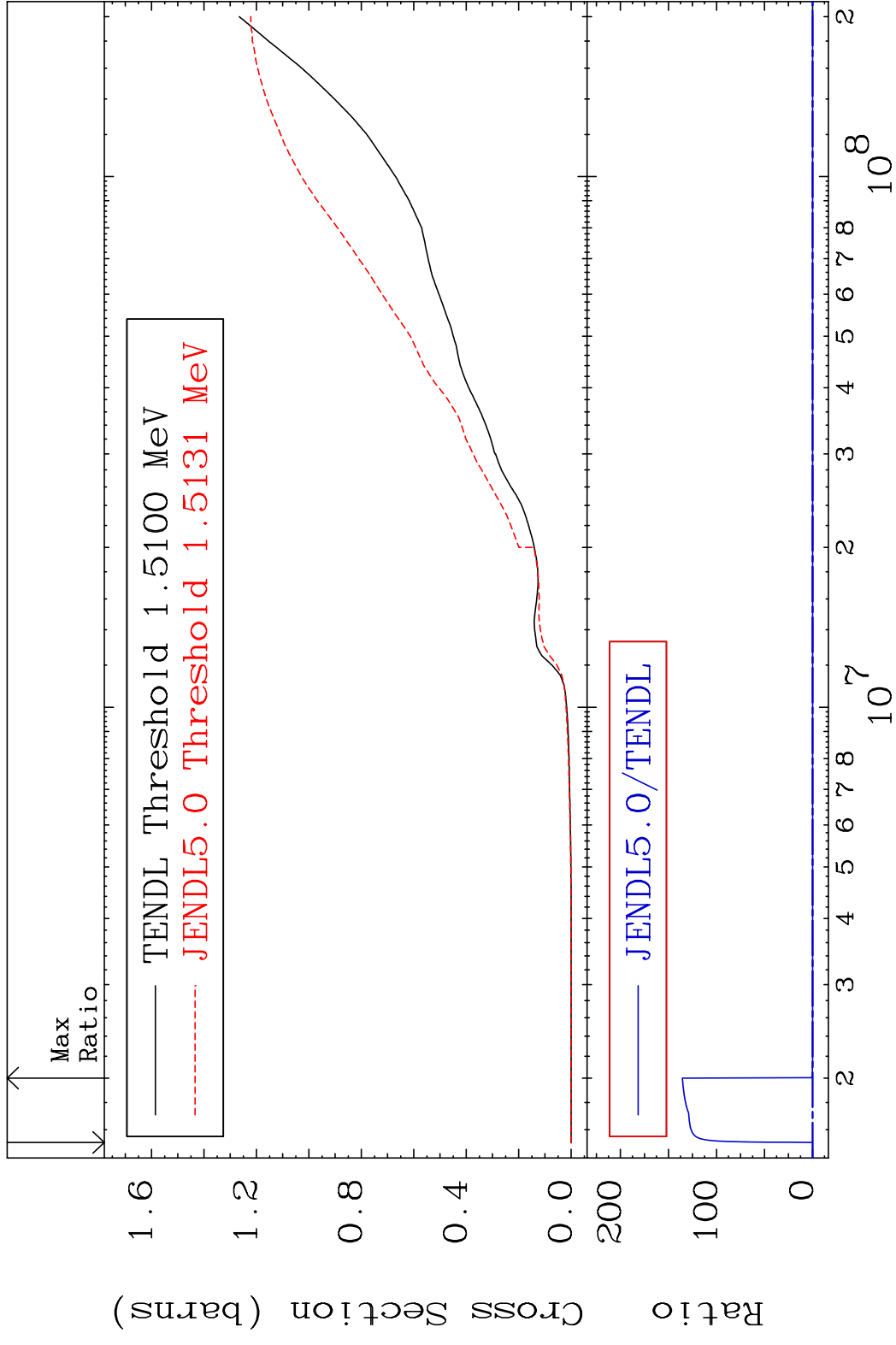
MAT 4025 (n,p)  $\alpha$  40-Zr-90  
 Cross Section -100.0 To 9999. %



MAT 4025 (n,p) d 40-Zr-90  
 Cross Section -100.0 To 421.5 %

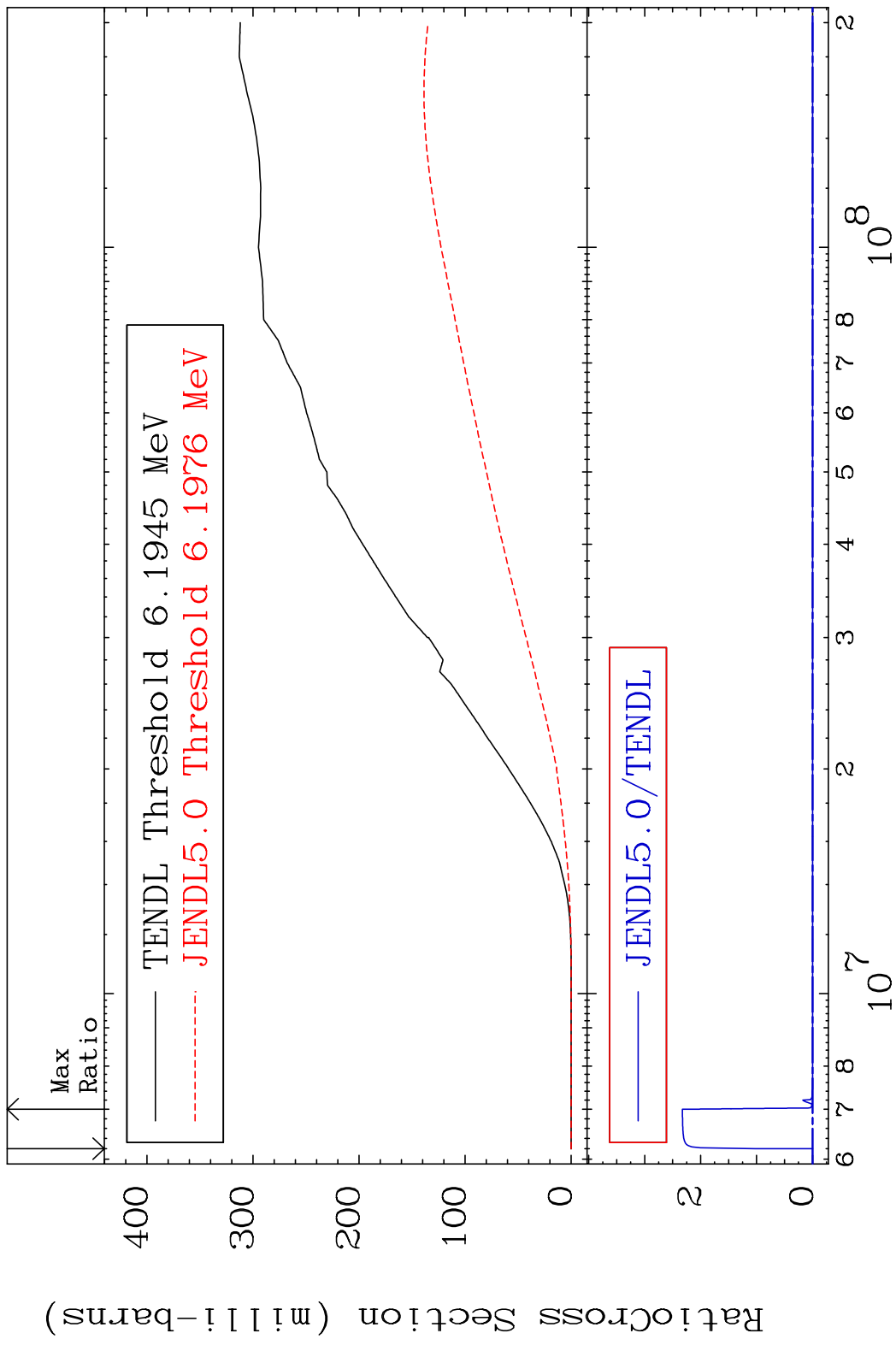


MAT 4025 Hydrogen Production 40-Zr-90  
 Cross Section -100.0 To 9999. %



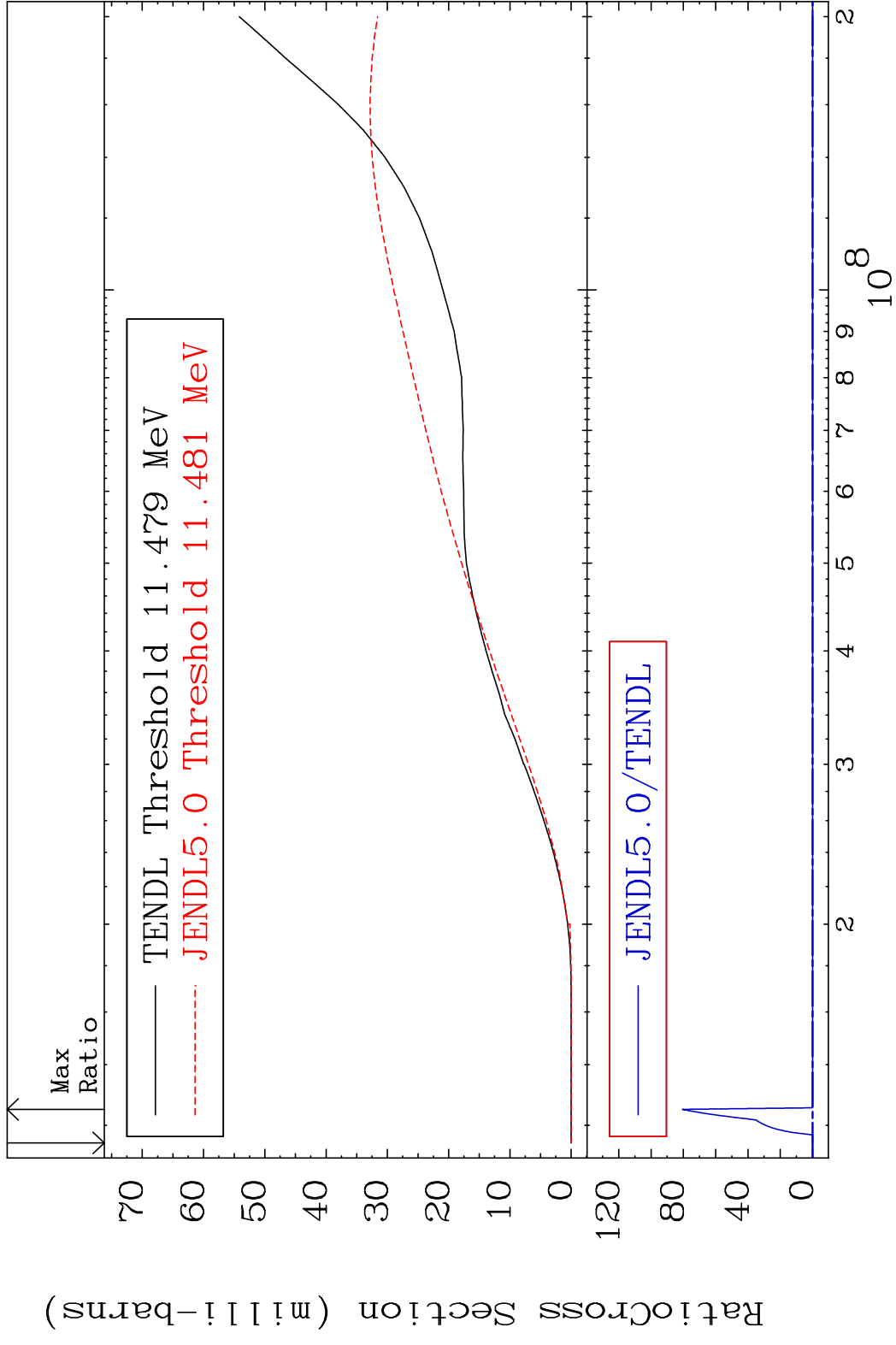
24 Incident Energy (eV) 40-Zr-90

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

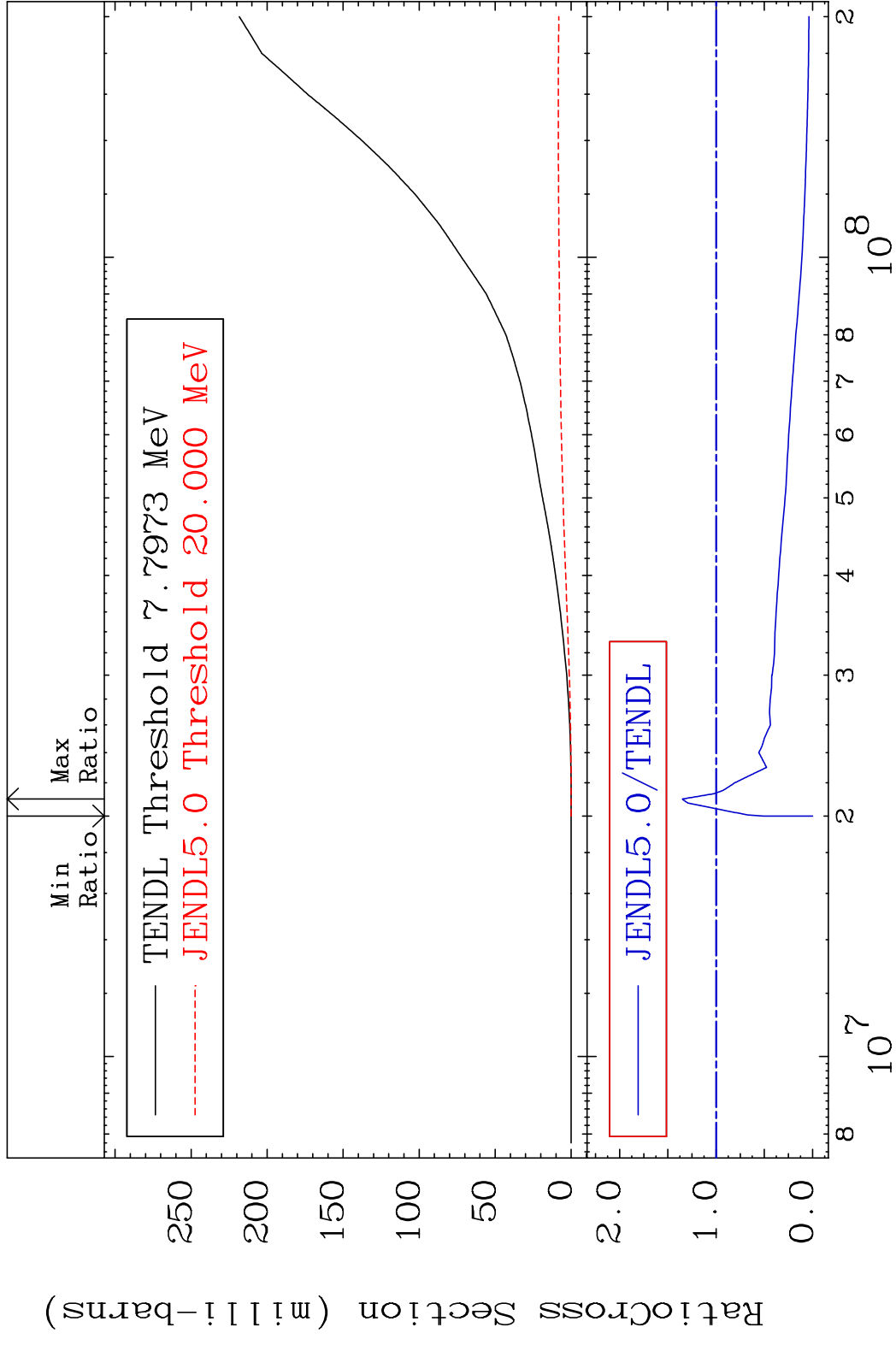


25 40-Zr-90

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

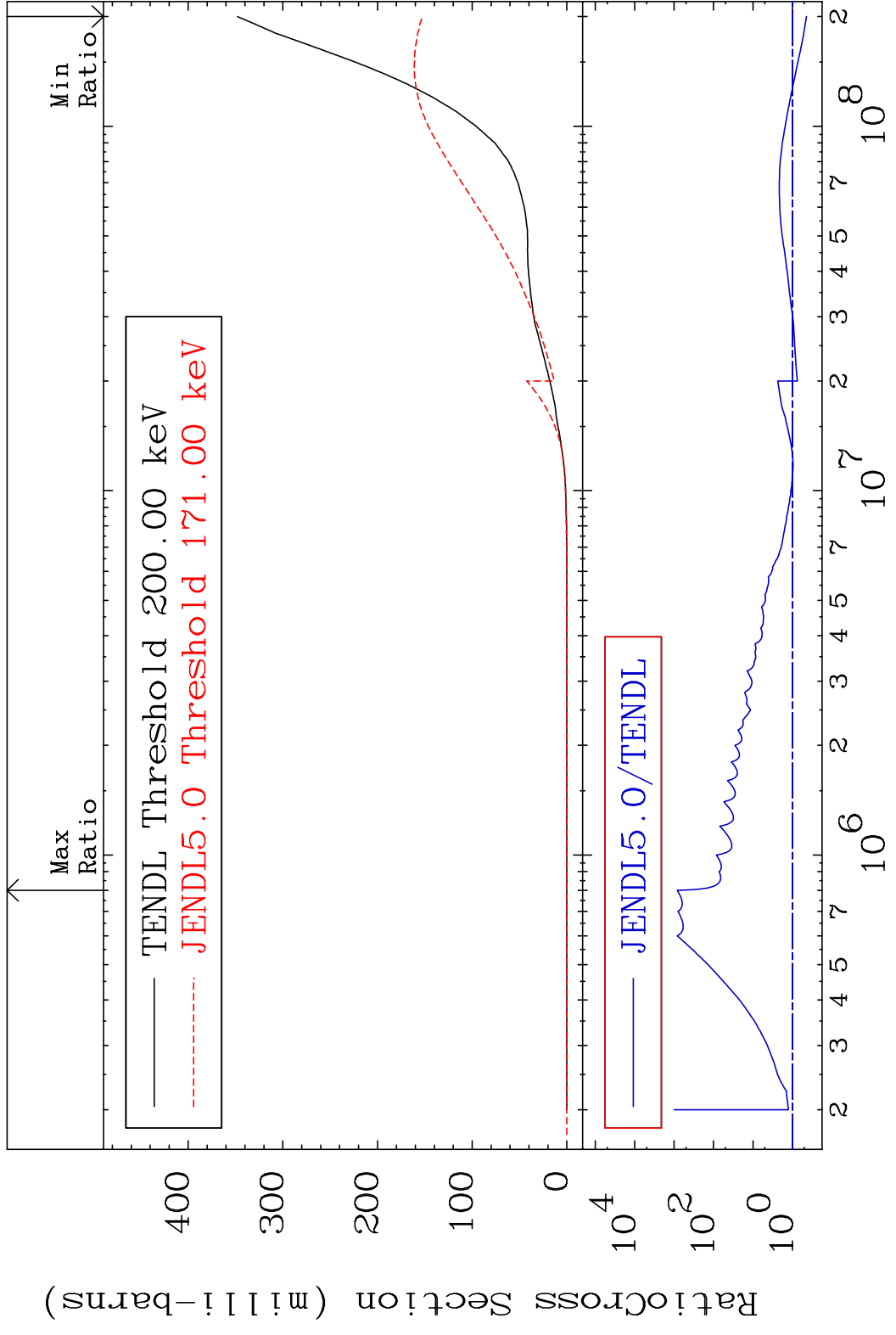


MAT 4025 He-3 Production 40-Zr-90  
 Cross Section -100.0 To 35.02 %

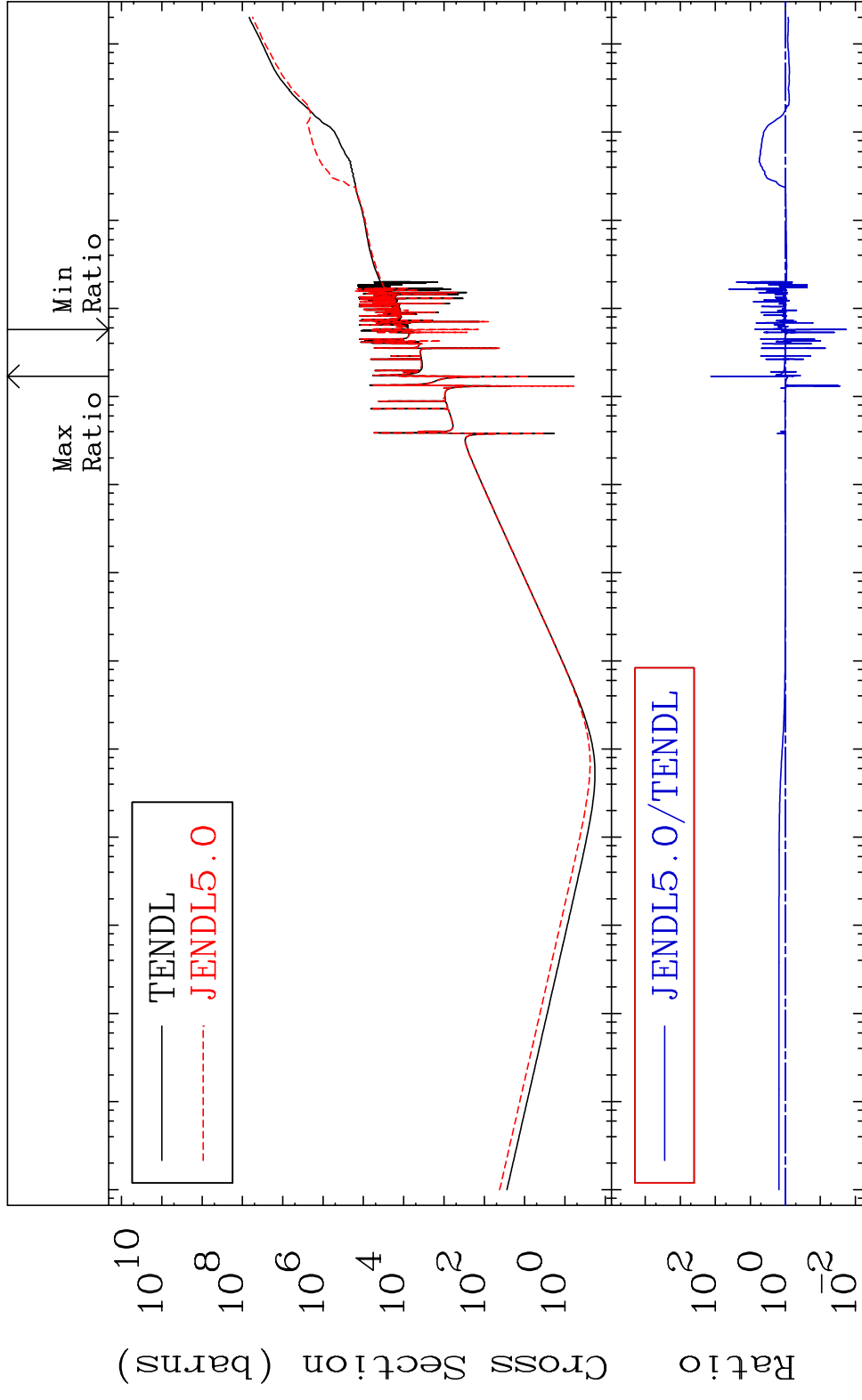


27 Incident Energy (eV) 40-Zr-90

MAT 4025 He-4 Production 40-Zr-90  
 Cross Section -56.05 To 9999. %



MAT 4025 Kerma total (eV-barns) 40-Zr-90  
 Cross Section -98.19 To 9999. %

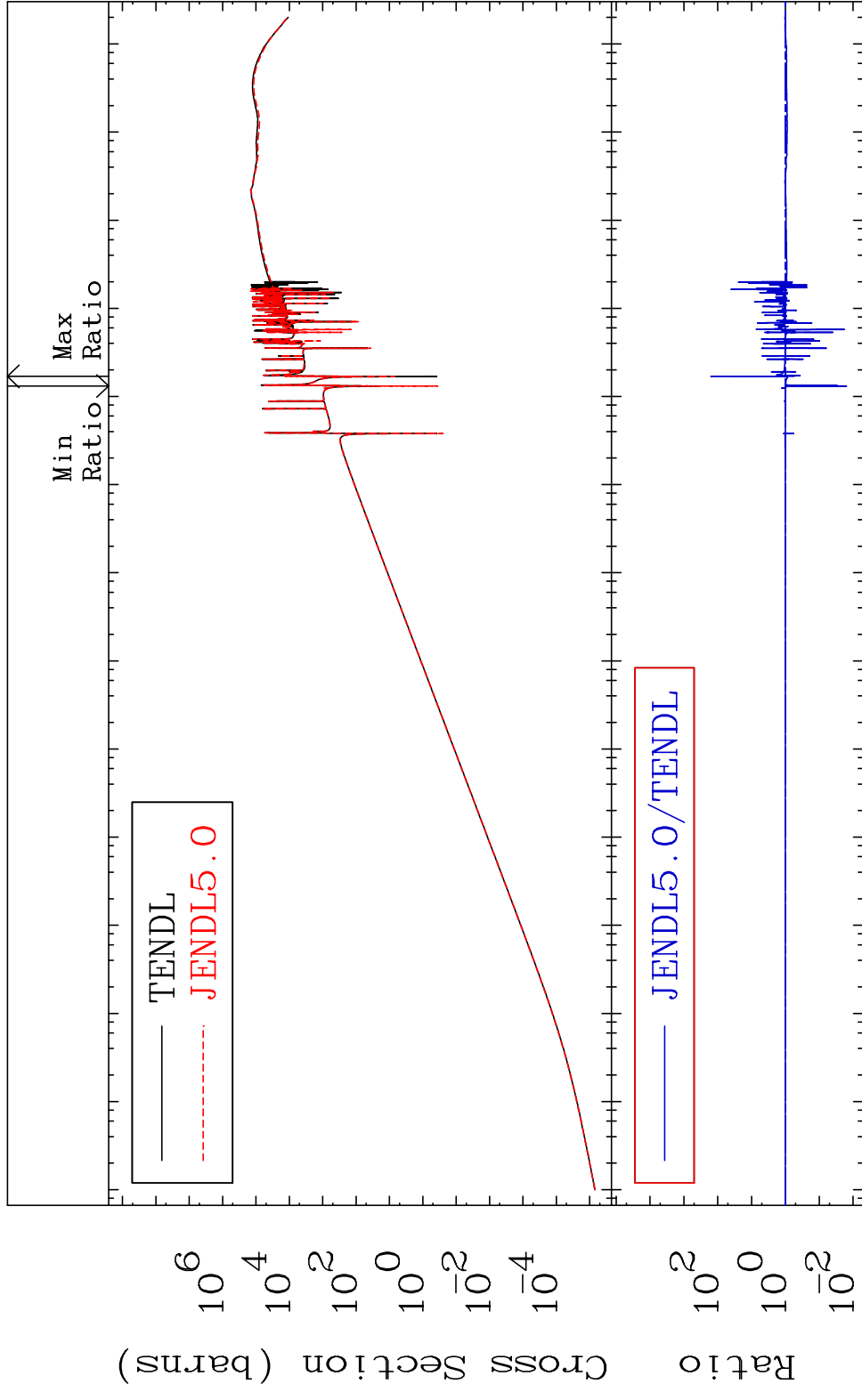


29 Incident Energy (eV) 40-Zr-90

MAT 4025

Kerma elastic  
Cross Section

40-Zr-90  
-98.41 To 9999. %

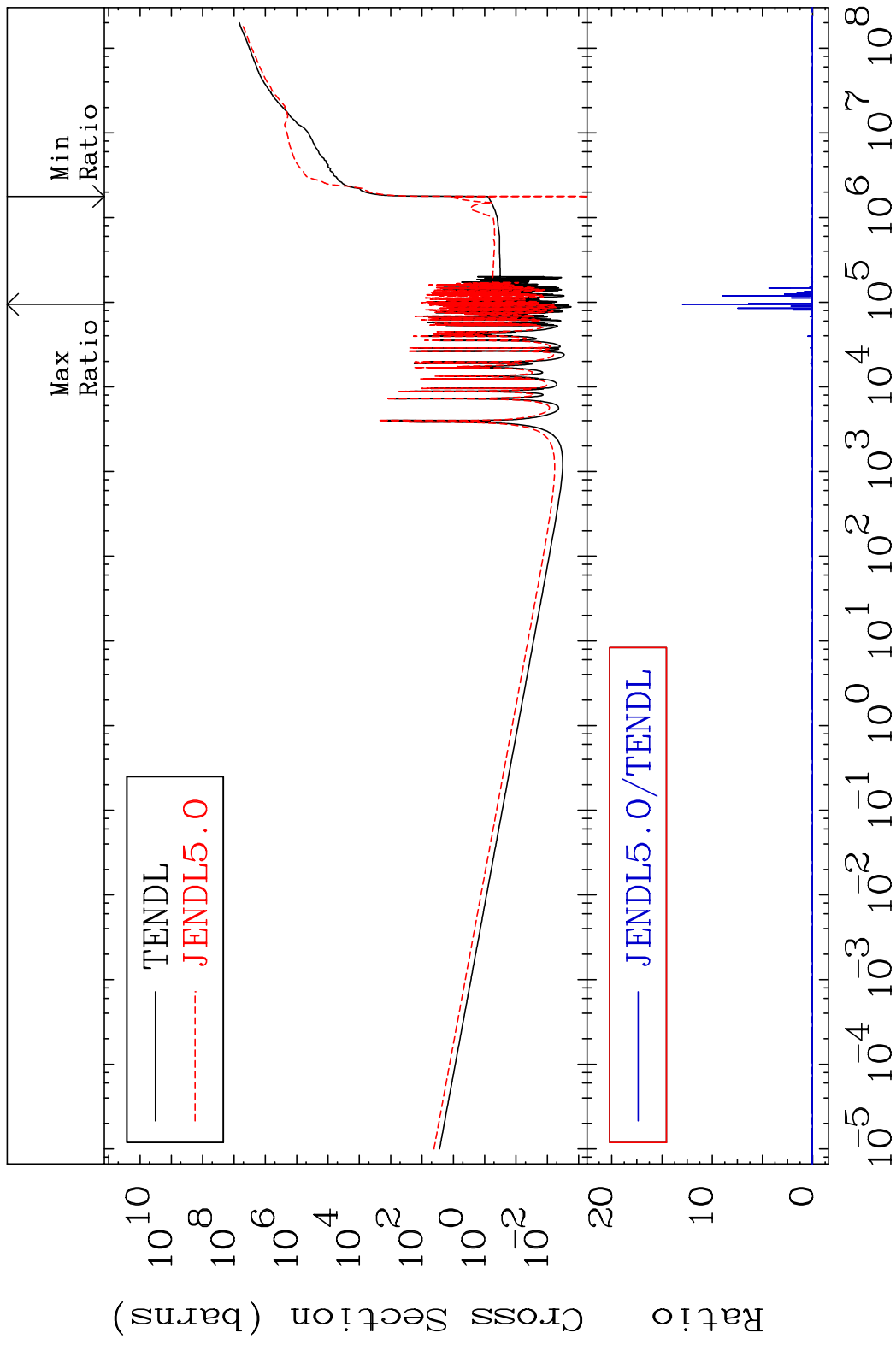


30

Incident Energy (eV)

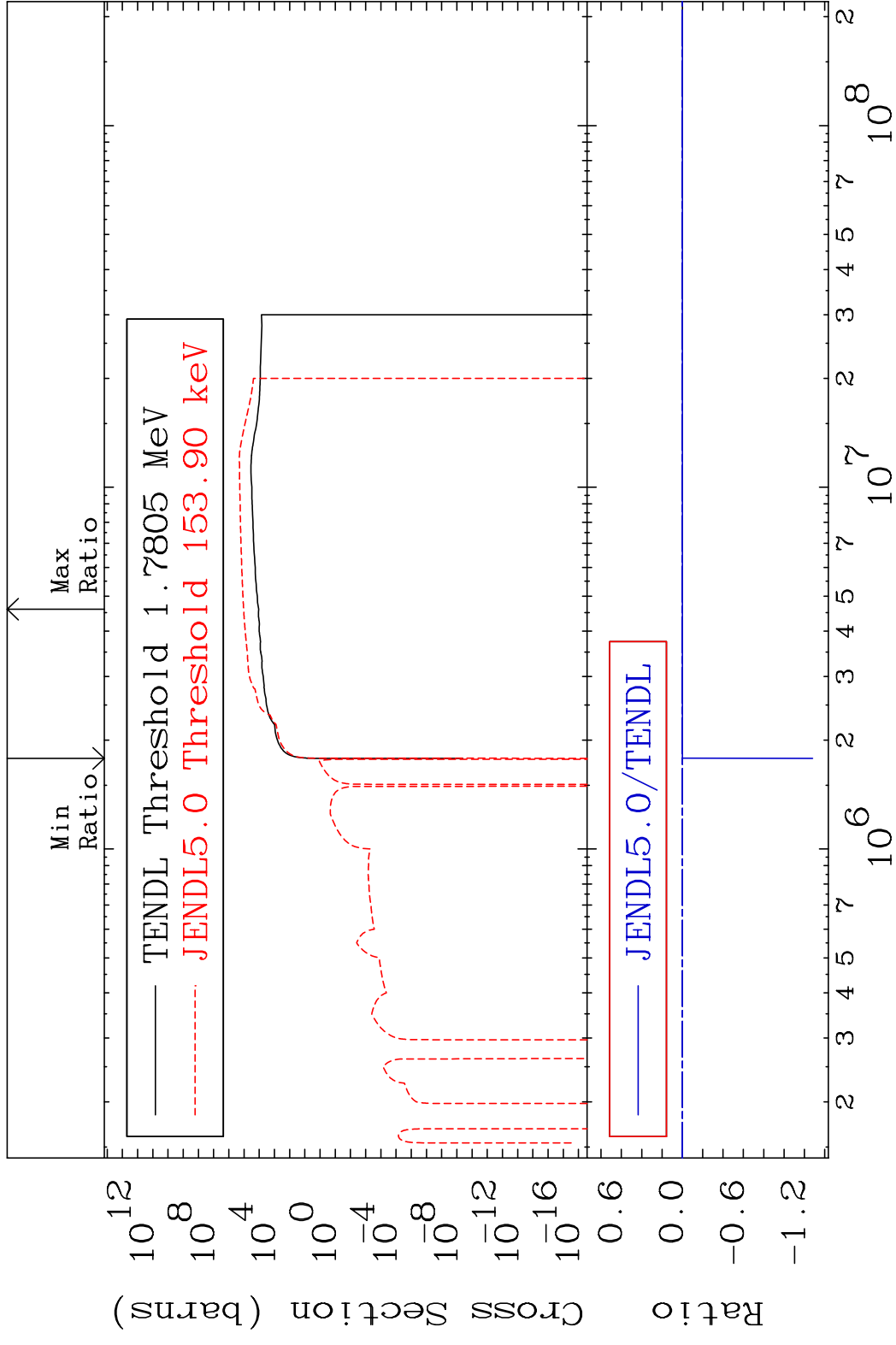
40-Zr-90

MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90  
 Cross Section -714.9 To 9999. %

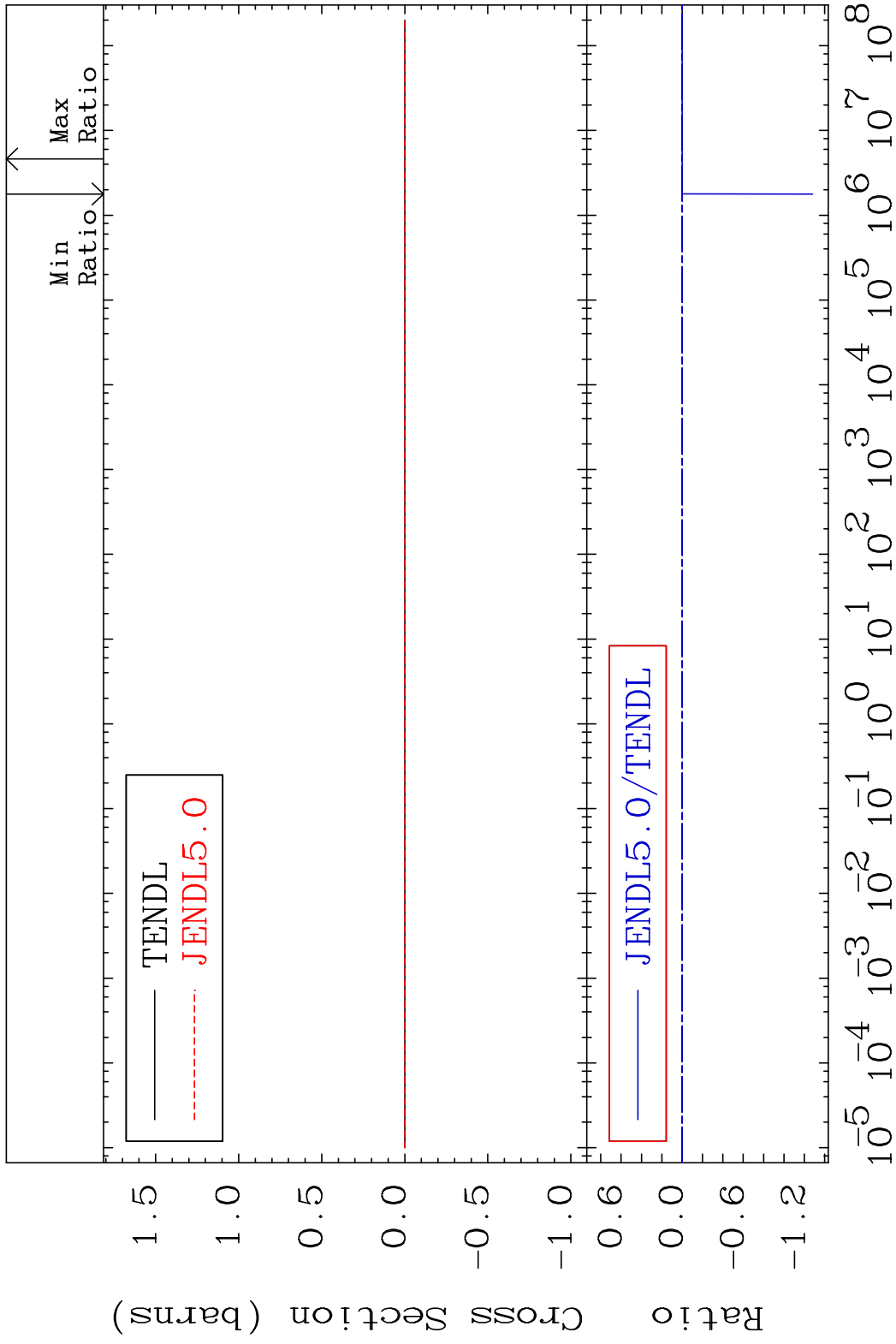


31 Incident Energy (eV) 40-Zr-90

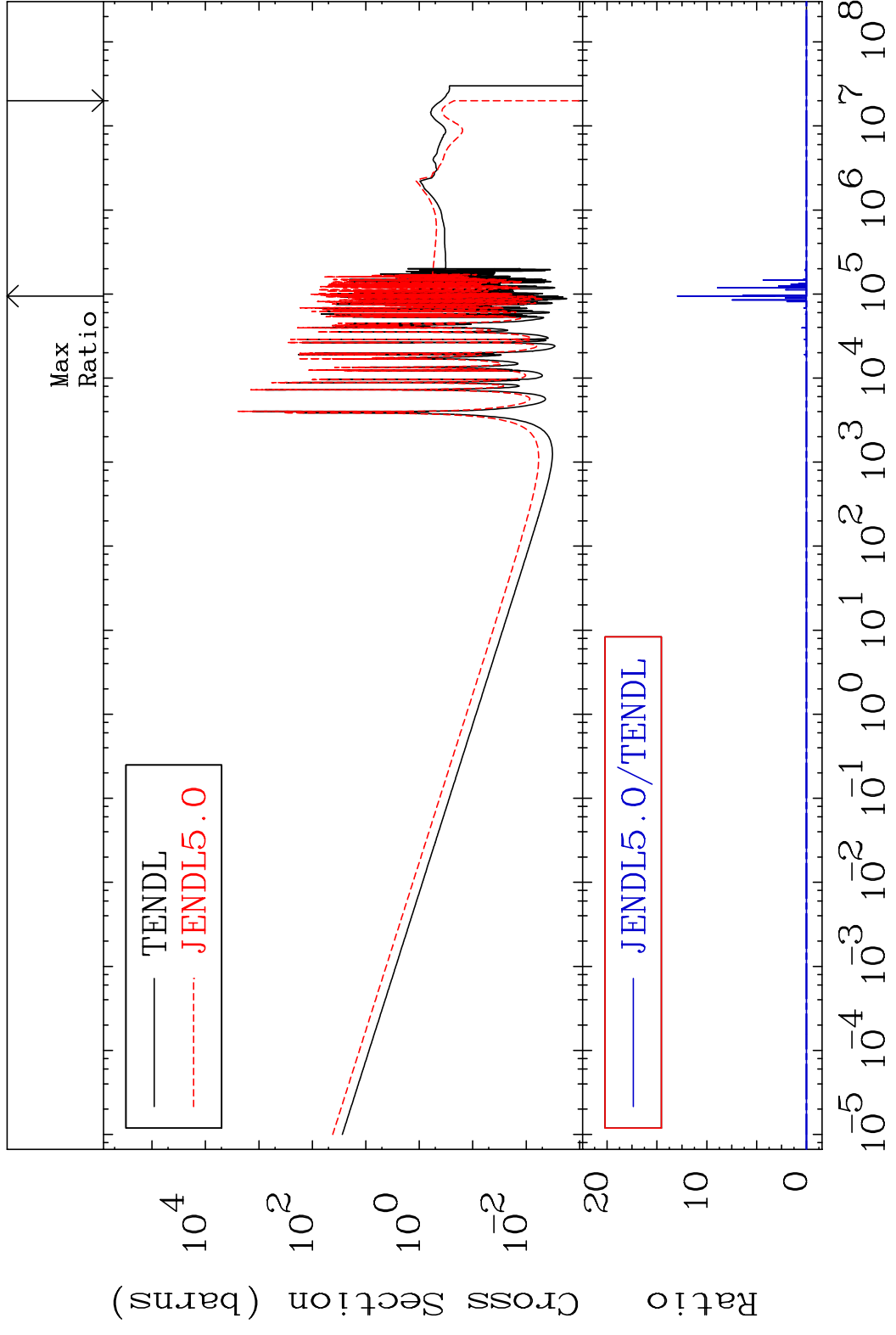
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90  
 Cross Section -9999. To 879.8 %



MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90  
 Cross Section -9999. To 879.8 %

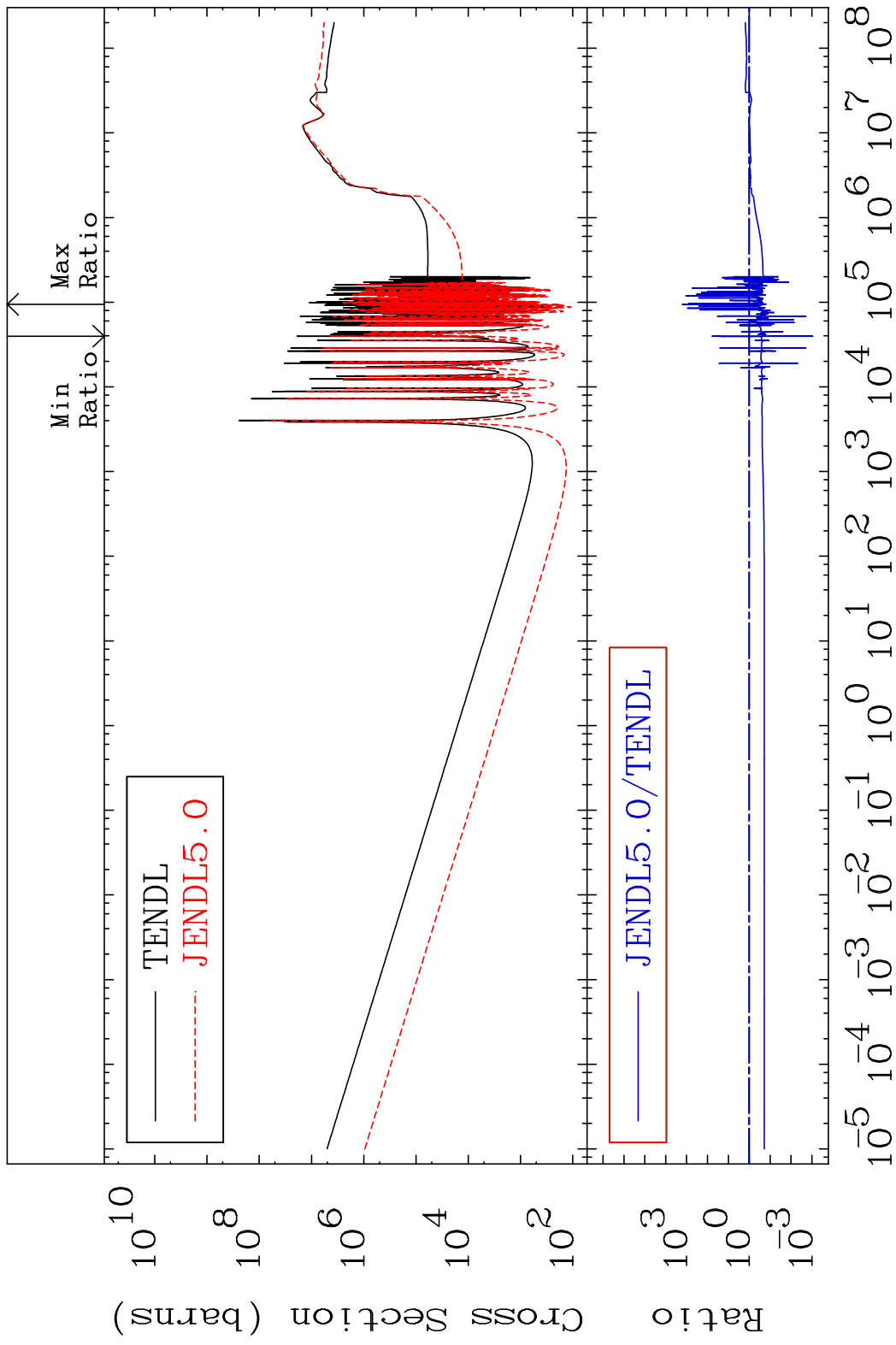


MAT 4025 Kerma capture (mt102) 40-Zr-90  
 Cross Section -100.0 To 9999. %



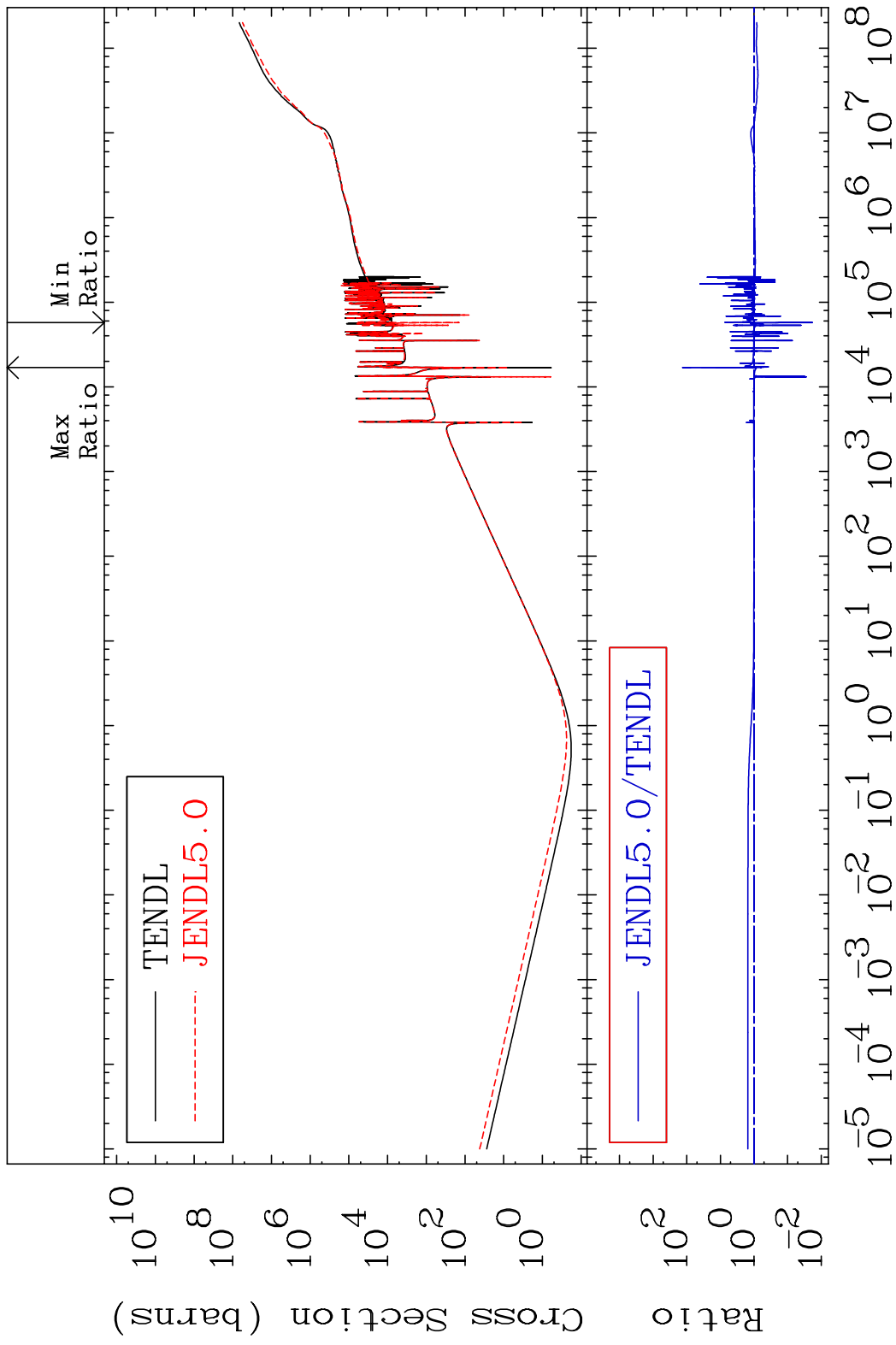
34 Incident Energy (eV) 40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90  
 Cross Section -99.91 To 9999. %

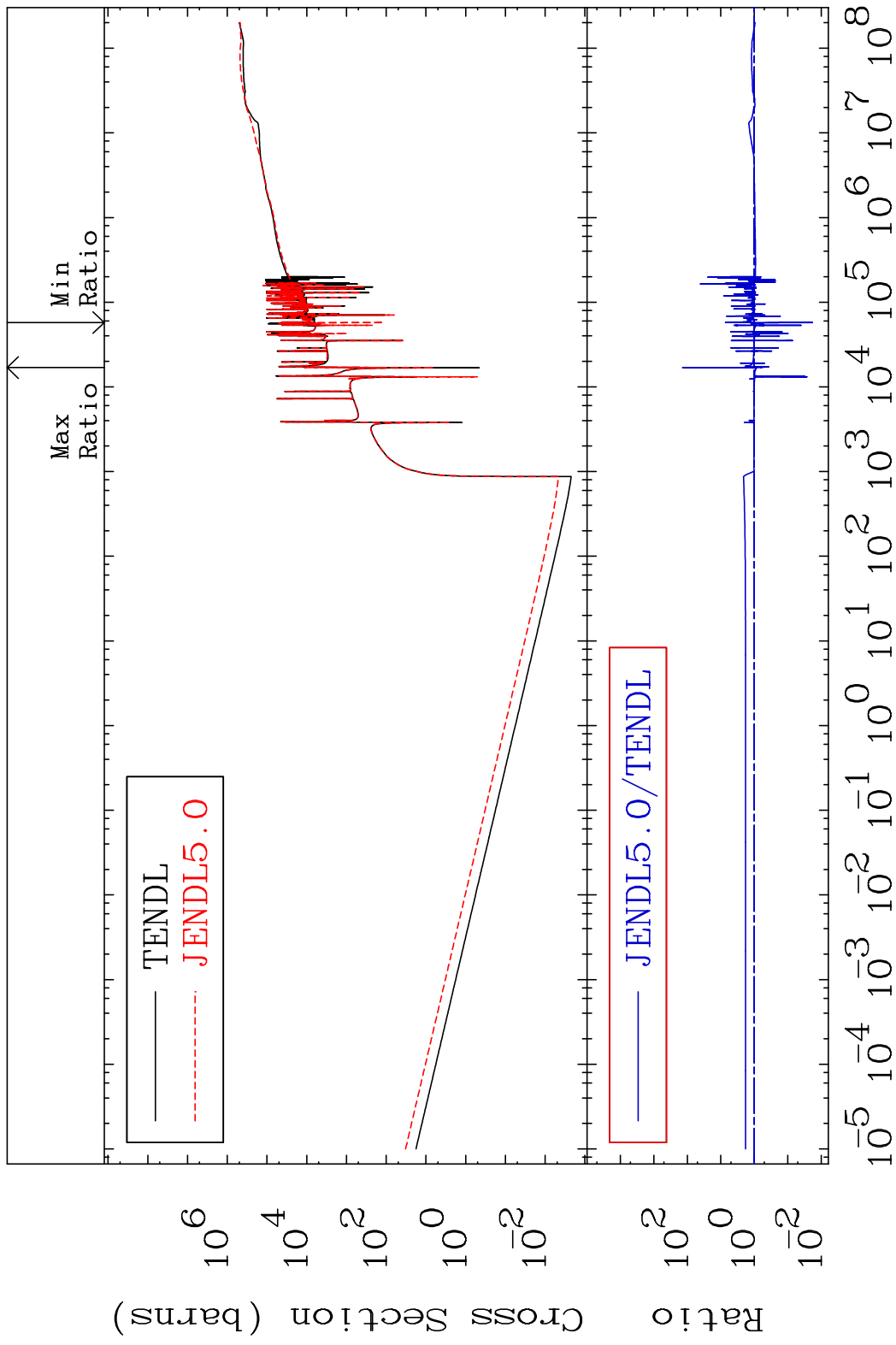


35 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90  
 Cross Section -98.19 To 9999. %



MAT 4025      Dpa total (eV-barns)      40-Zr-90  
 Cross Section      -98.19 To 9999. %



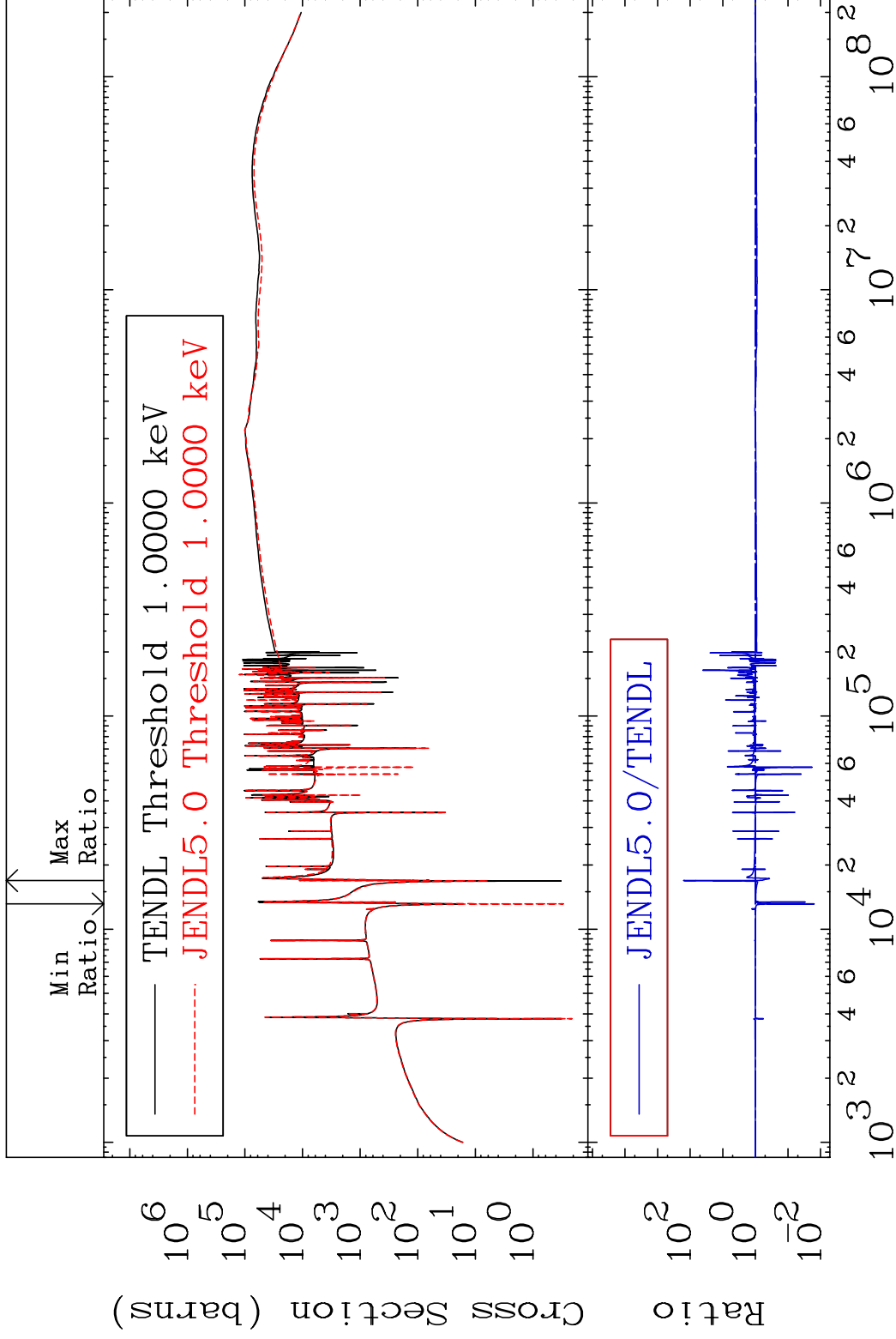
37      Incident Energy (eV)      40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -98.41 To 9999. %

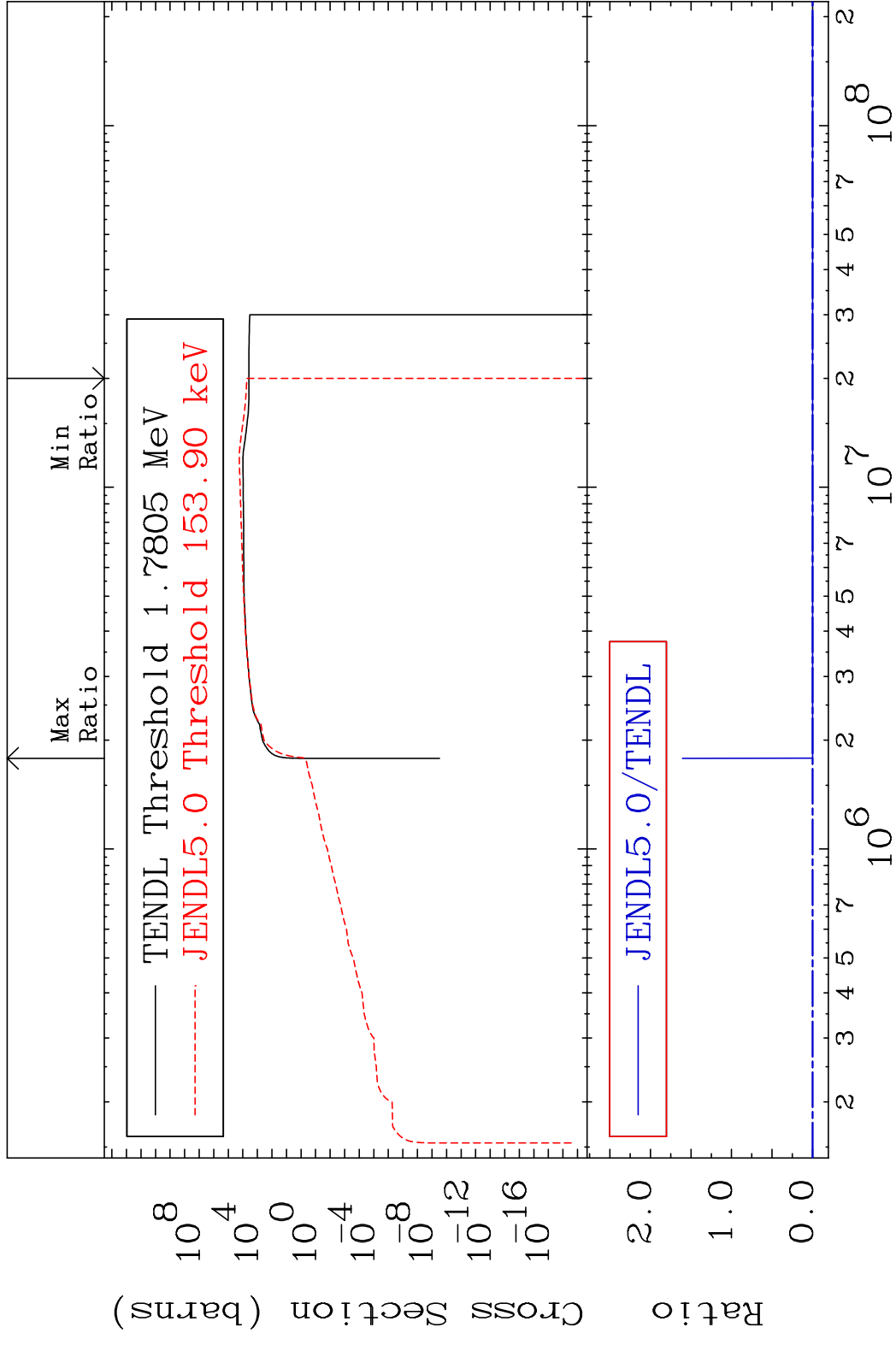


38

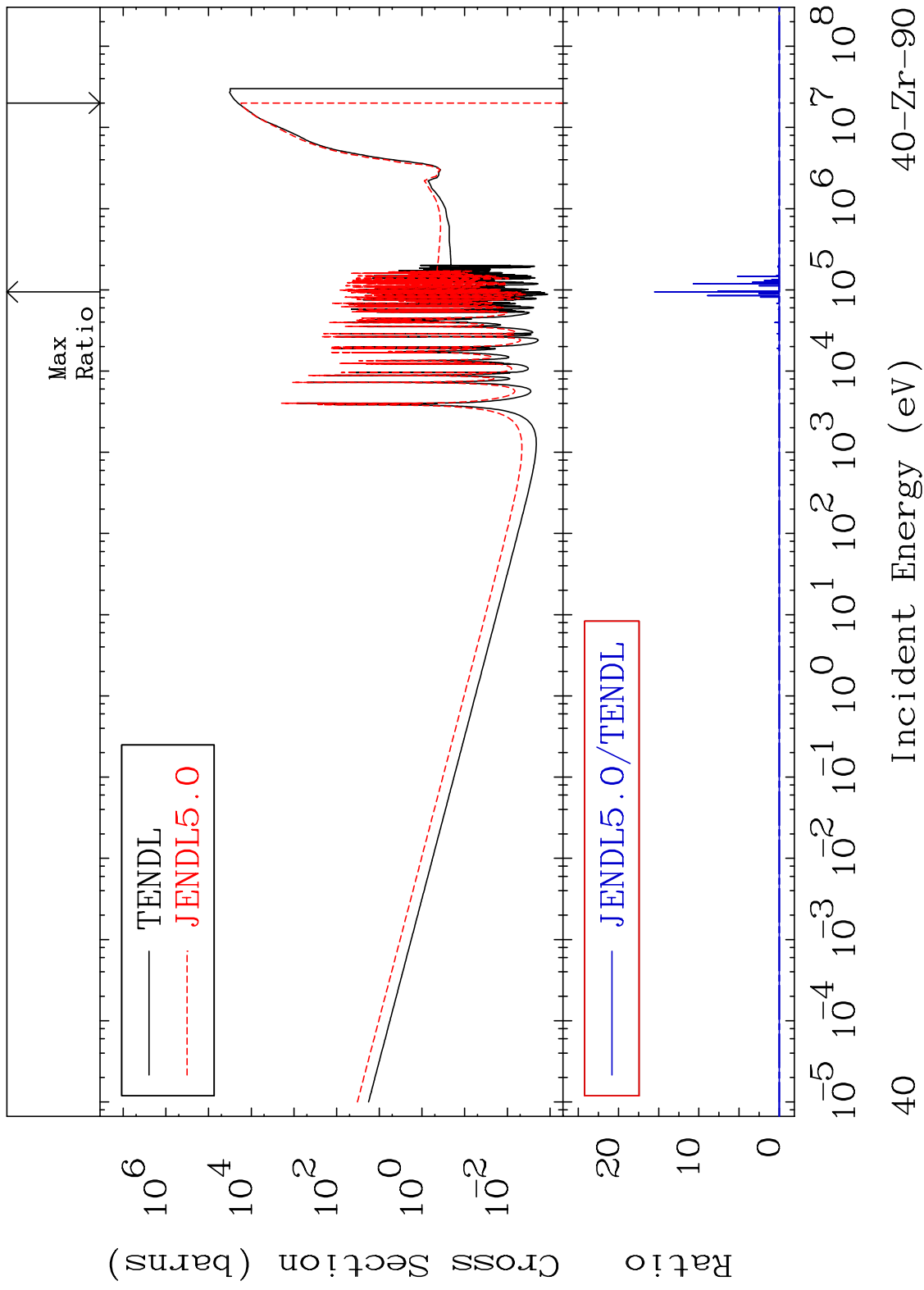
Incident Energy (eV)

40-Zr-90

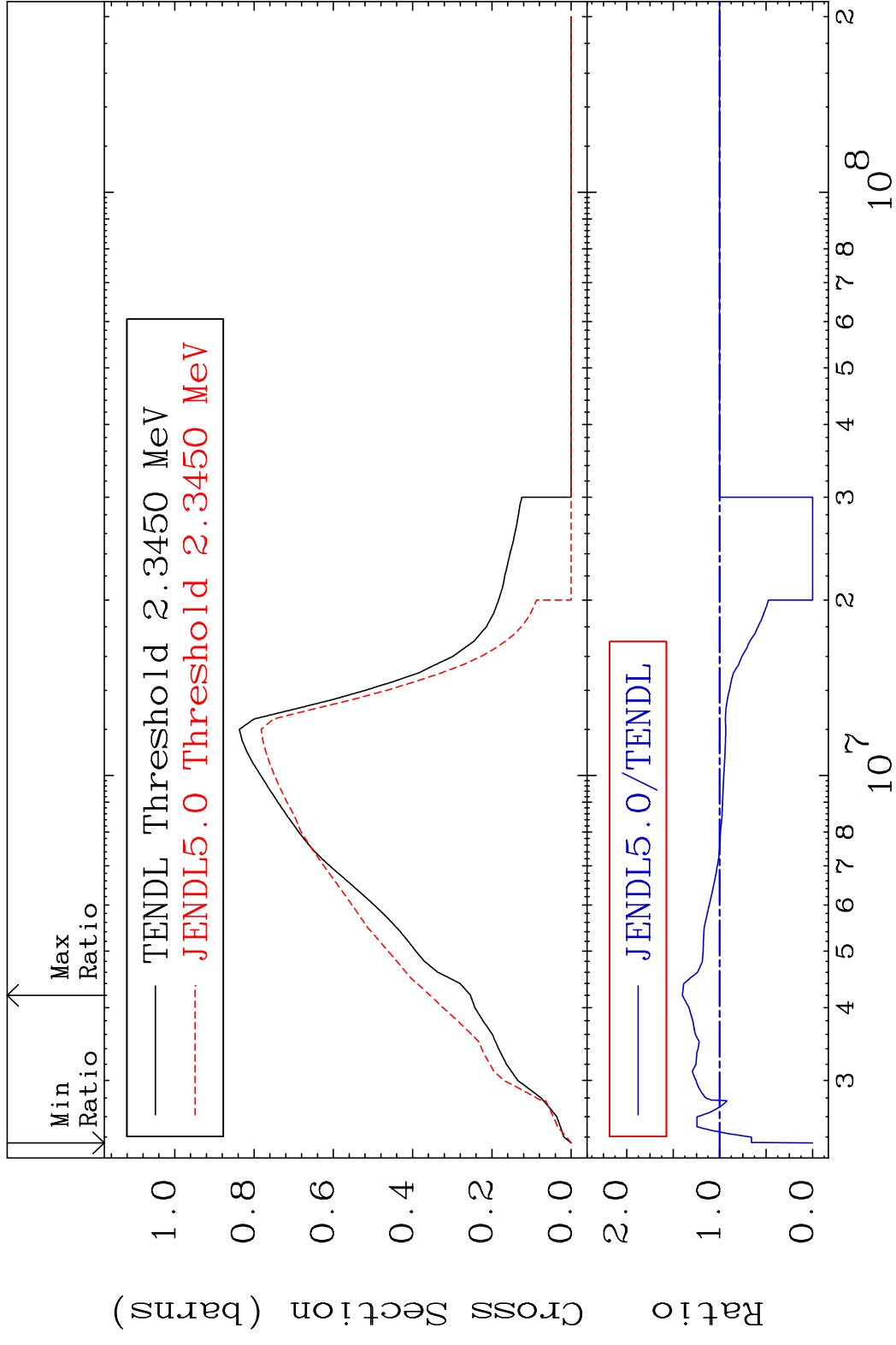
MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90  
 Cross Section -100.0 To 9999. %



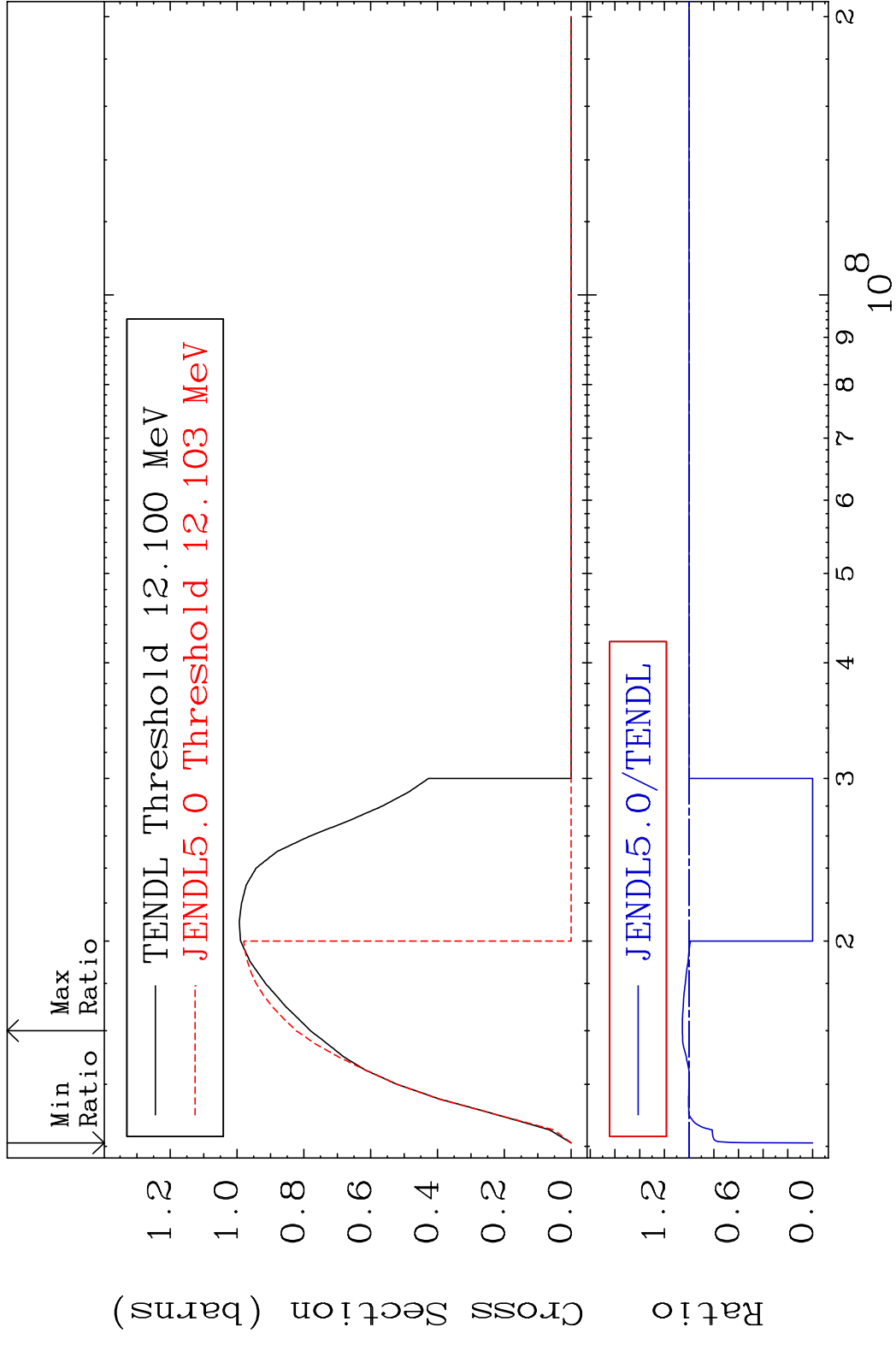
MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90  
 Cross Section -100.0 To 9999. %



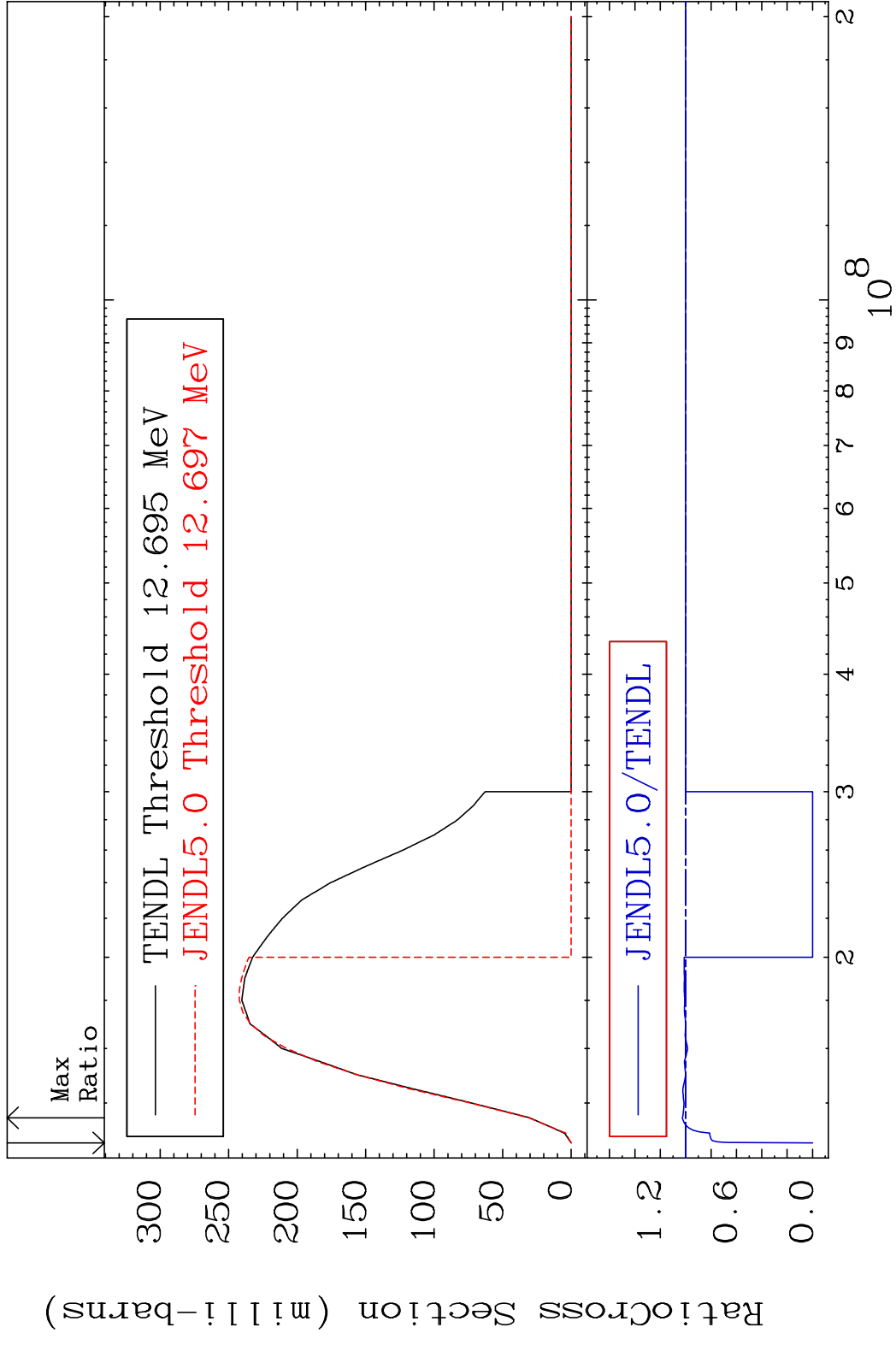
40 Incident Energy (eV) 40-Zr-90



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

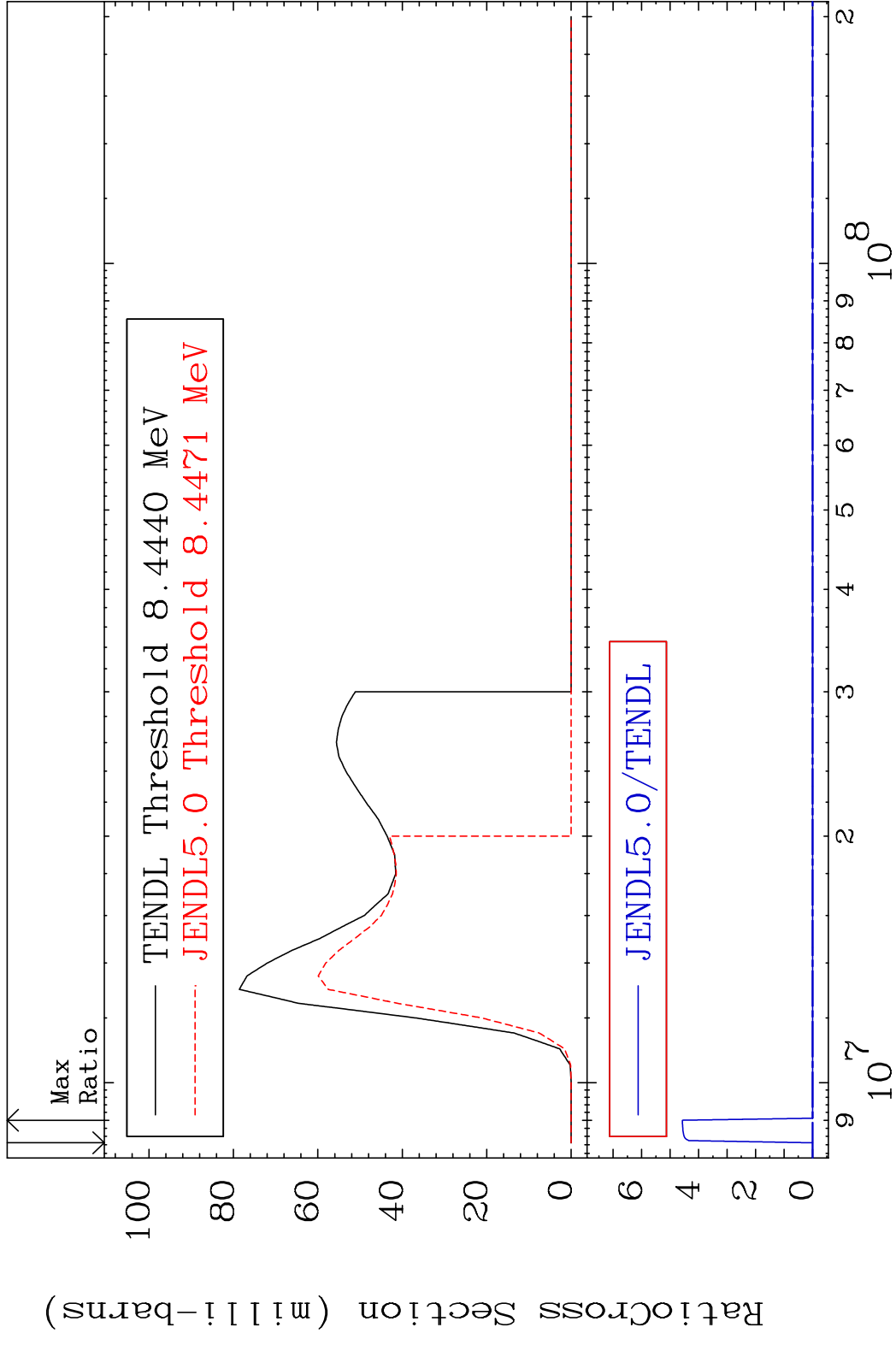


MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90  
 Radionuclide Production Cross Section Ratio 2.587 %



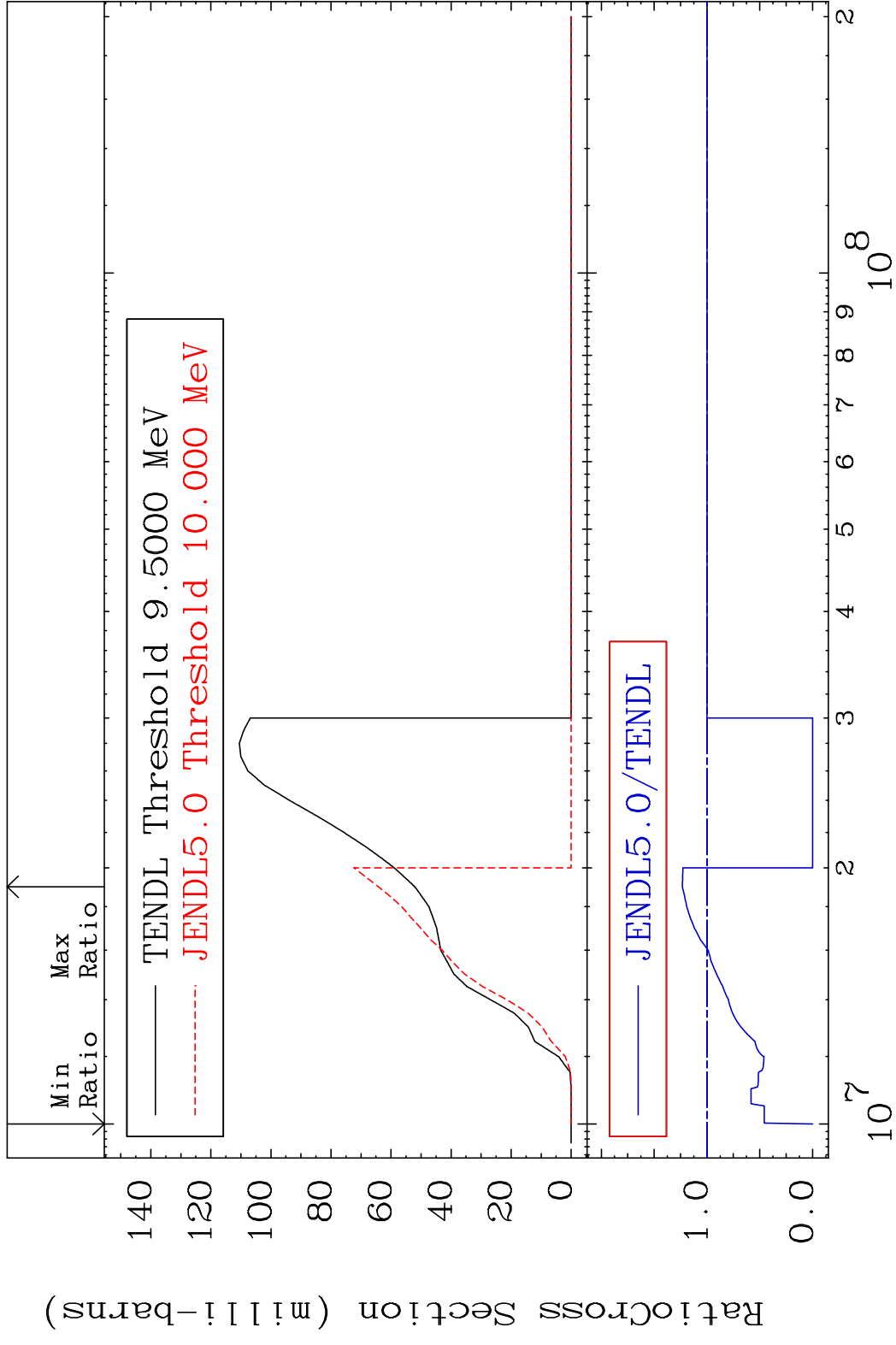
43 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, n') p:39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section 100.00 to 9999. %



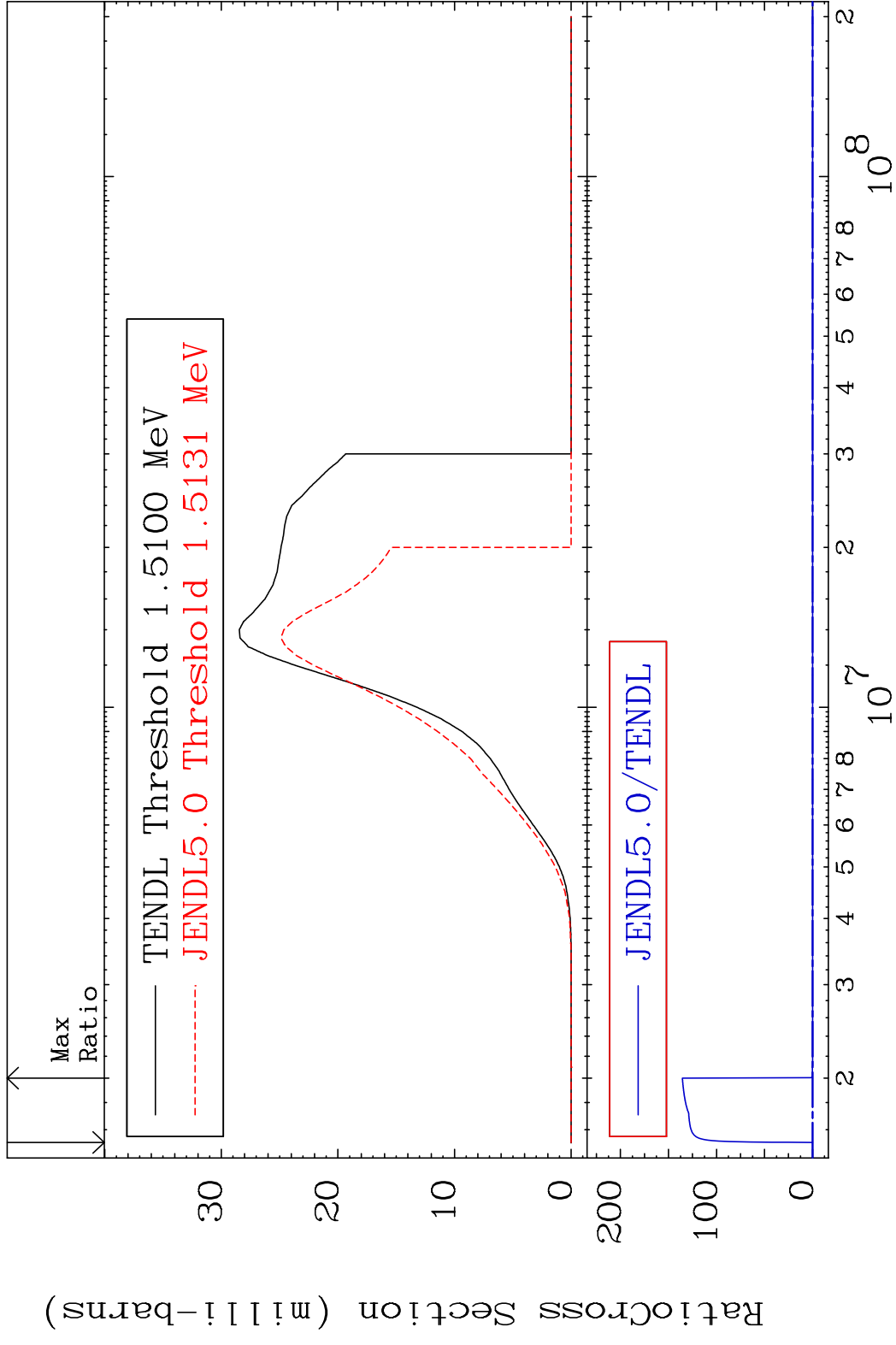
44 Incident Energy (eV) 40-Zr-90

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

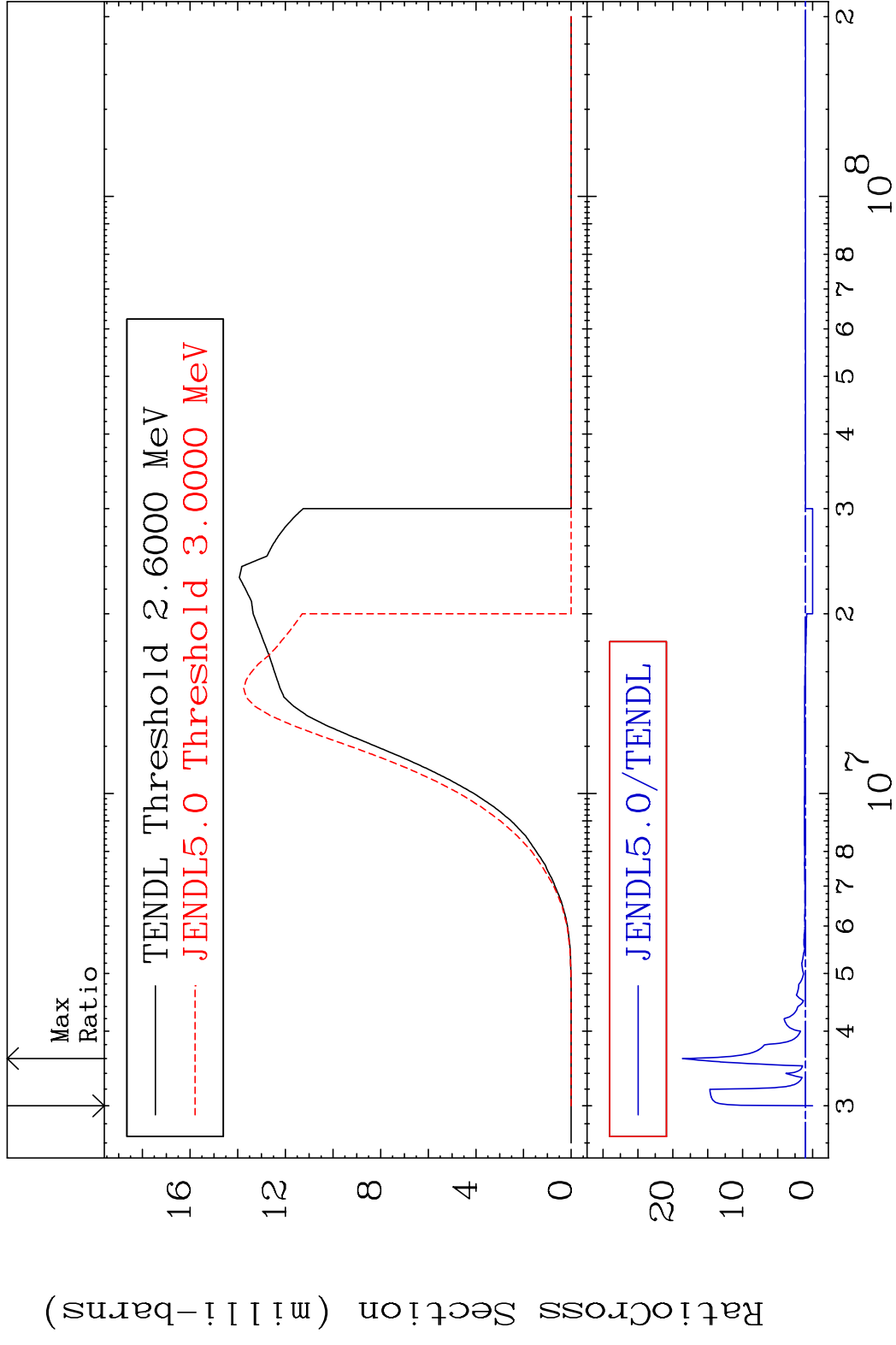


45 40-Zr-90

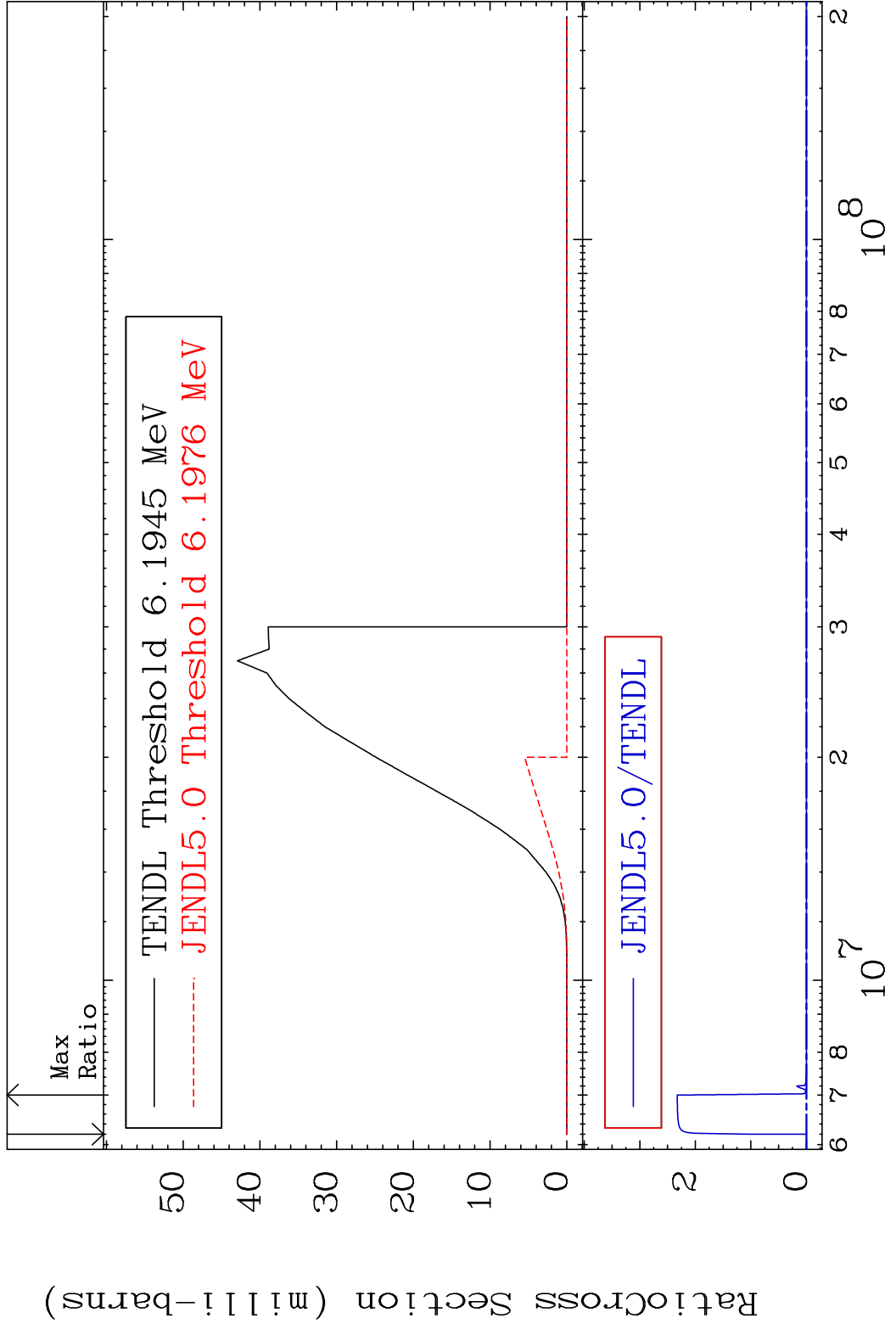
MAT 4025 (n,p):39-Y -90g 40-Zr-90  
 Radionuclide Production Cross Section to 9999. %



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

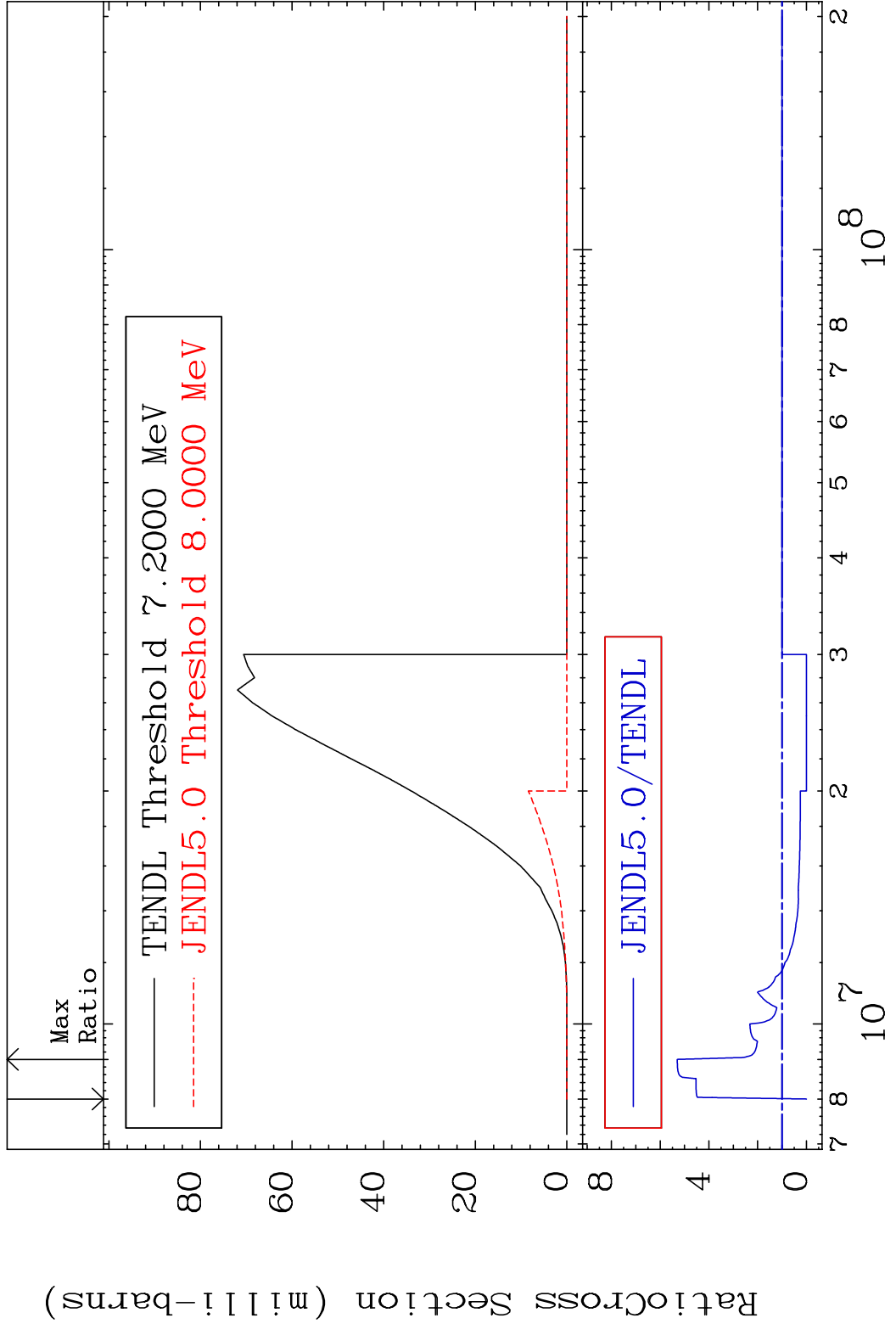


MAT 4025 (n,d):39-Y -89g 40-Zr-90  
 Radionuclide Production Cross Section Ratio 9999. %

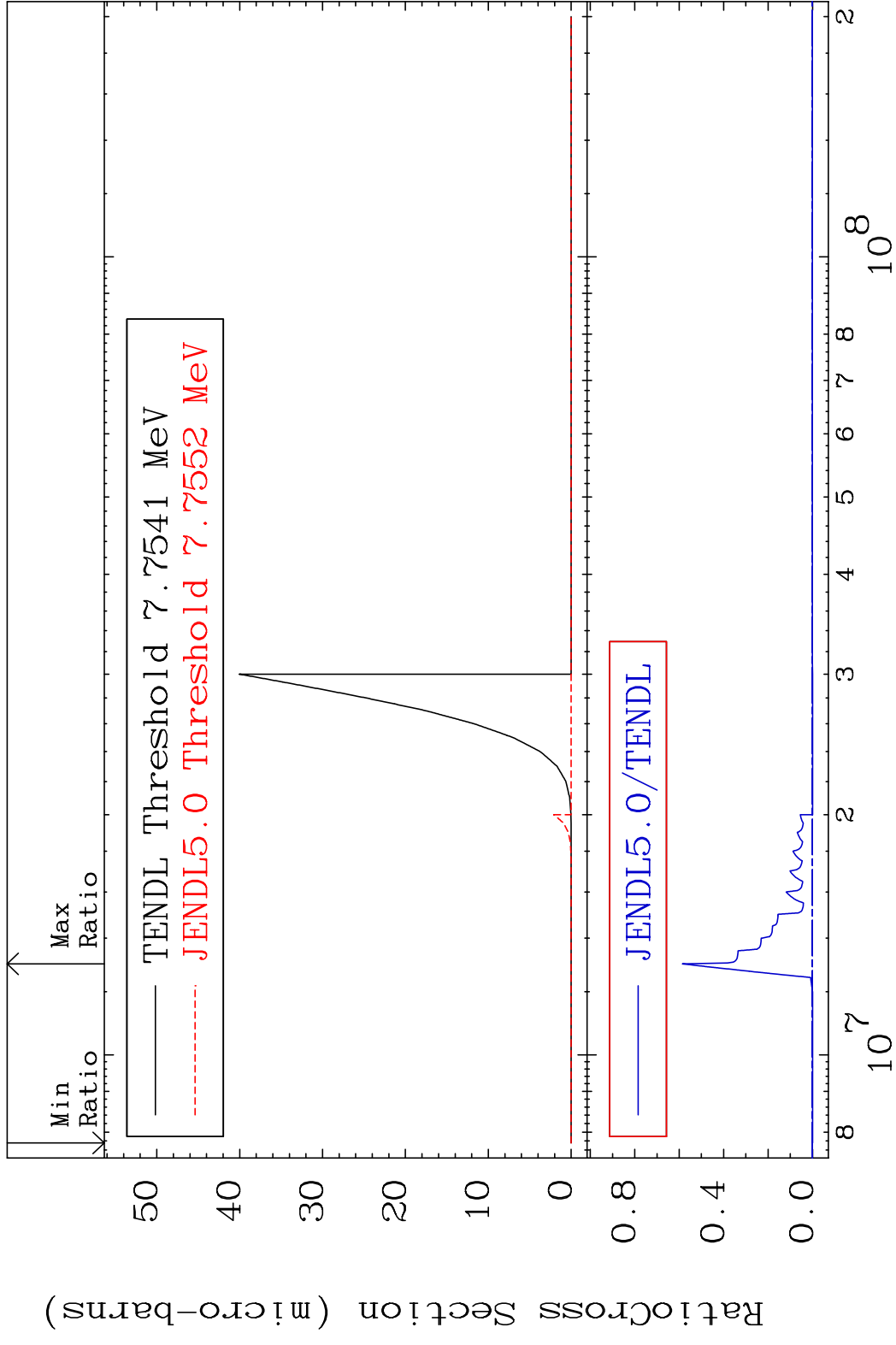


48 40-Zr-90

MAT 4025 (n,d):39-Y -89m1 40-Zr-90  
 Radionuclide Production Cross Section 180.0 mb 430.2 %



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



50 40-Zr-90

