

Program Complot  
(Version 2021-1)

by

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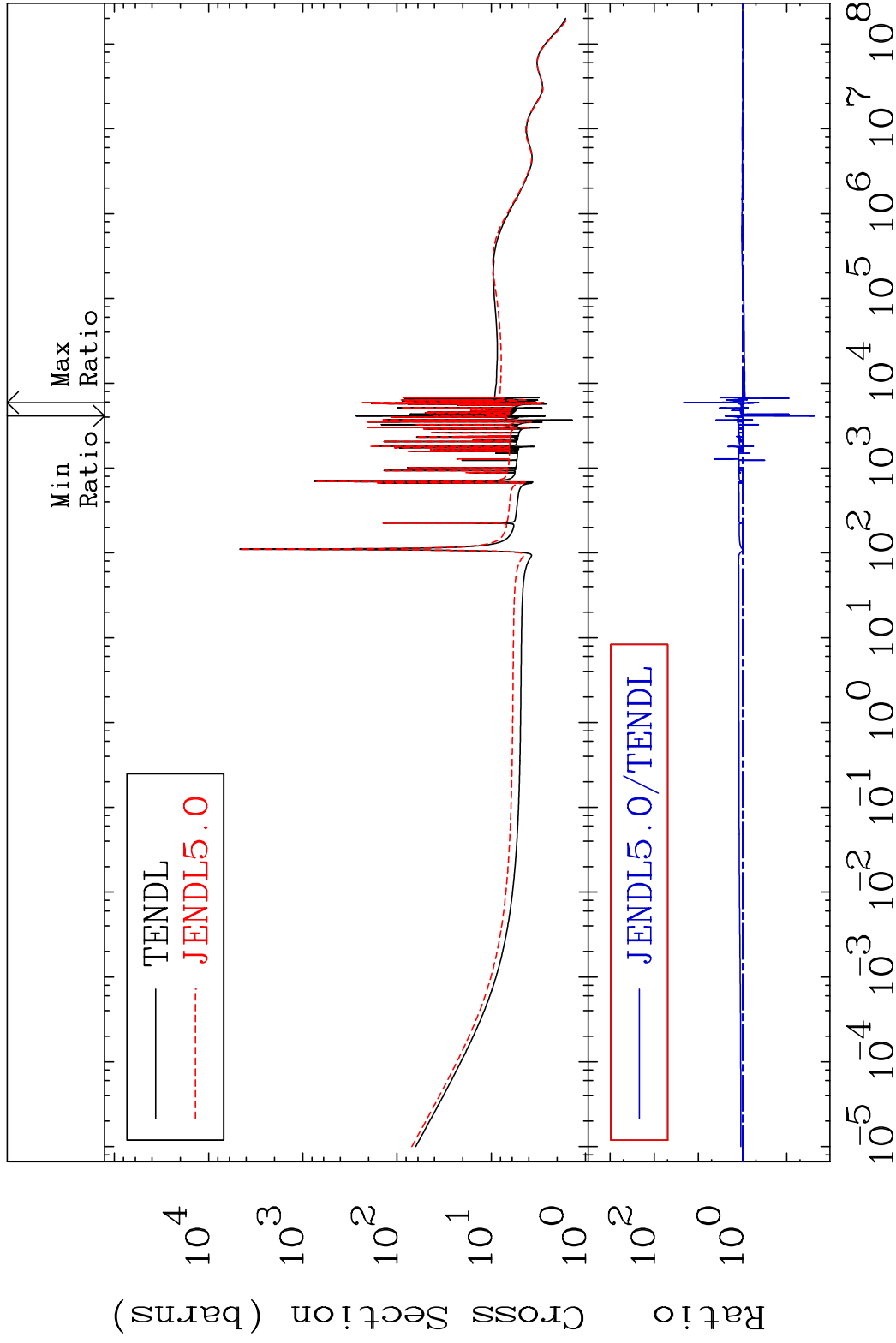
Press Mouse Button to Start

MAT 4034

Total

40-Zr-93

Cross Section -97.60 To 2054. %



1

Incident Energy (eV)

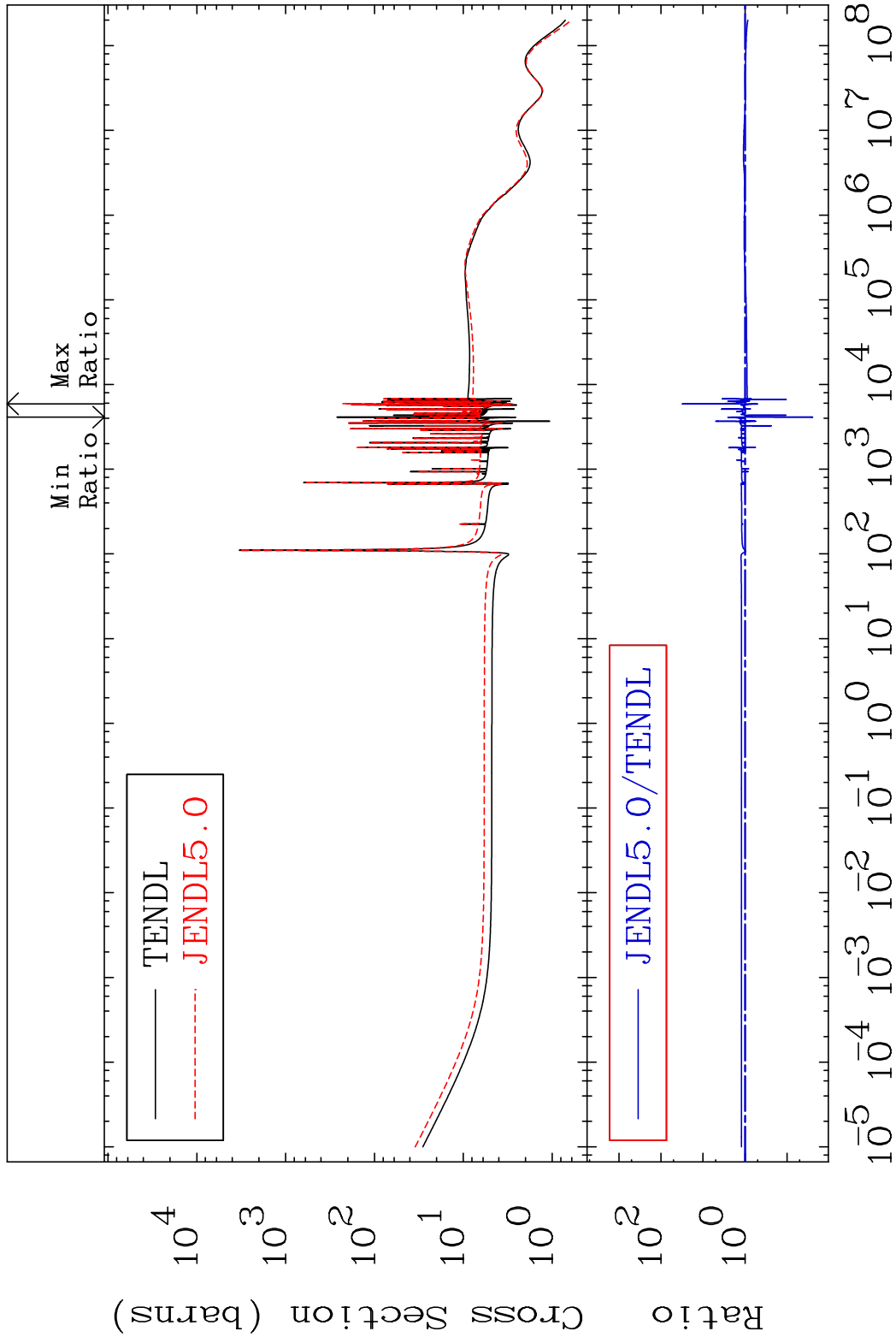
40-Zr-93

MAT 4034

Elastic

40-Zr-93

Cross Section -97.53 To 2997. %

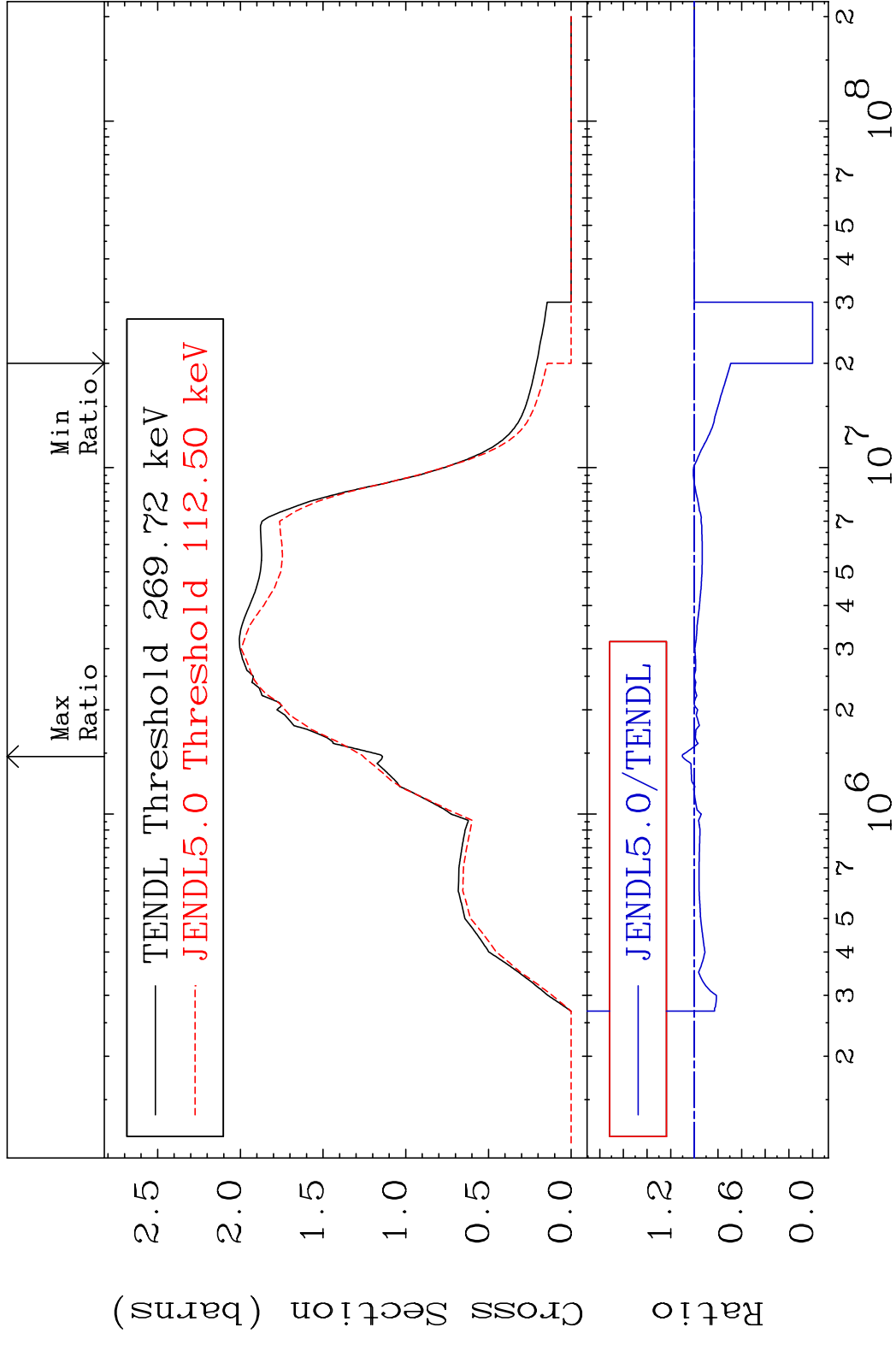


2

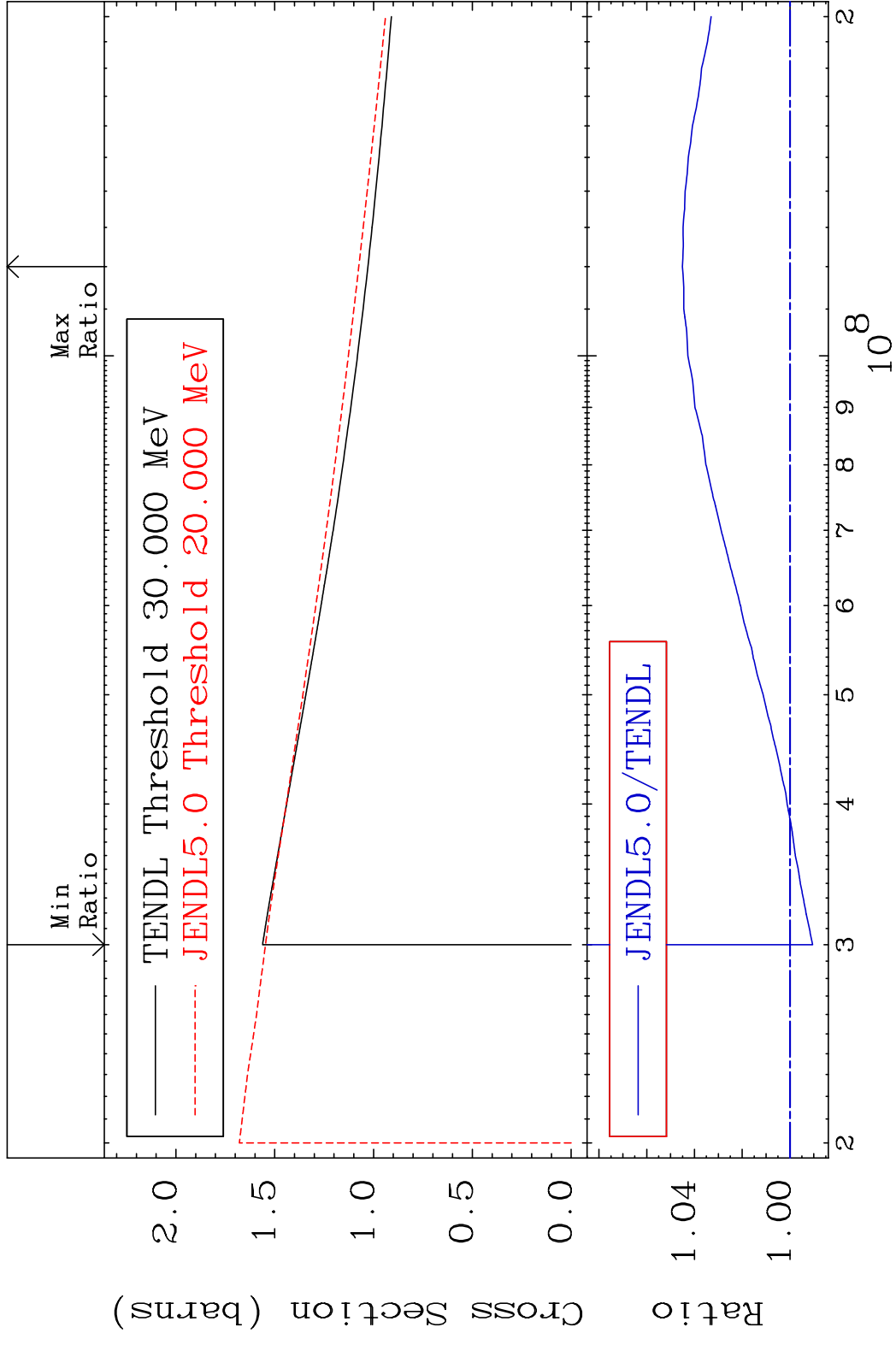
Incident Energy (eV)

40-Zr-93

MAT 4034 Inelastic Cross Section -100.0 To 10.13 % 40-Zr-93



MAT 4034 (n, remainder) 40-Zr-93  
 Cross Section -0.947 To 4.508 %



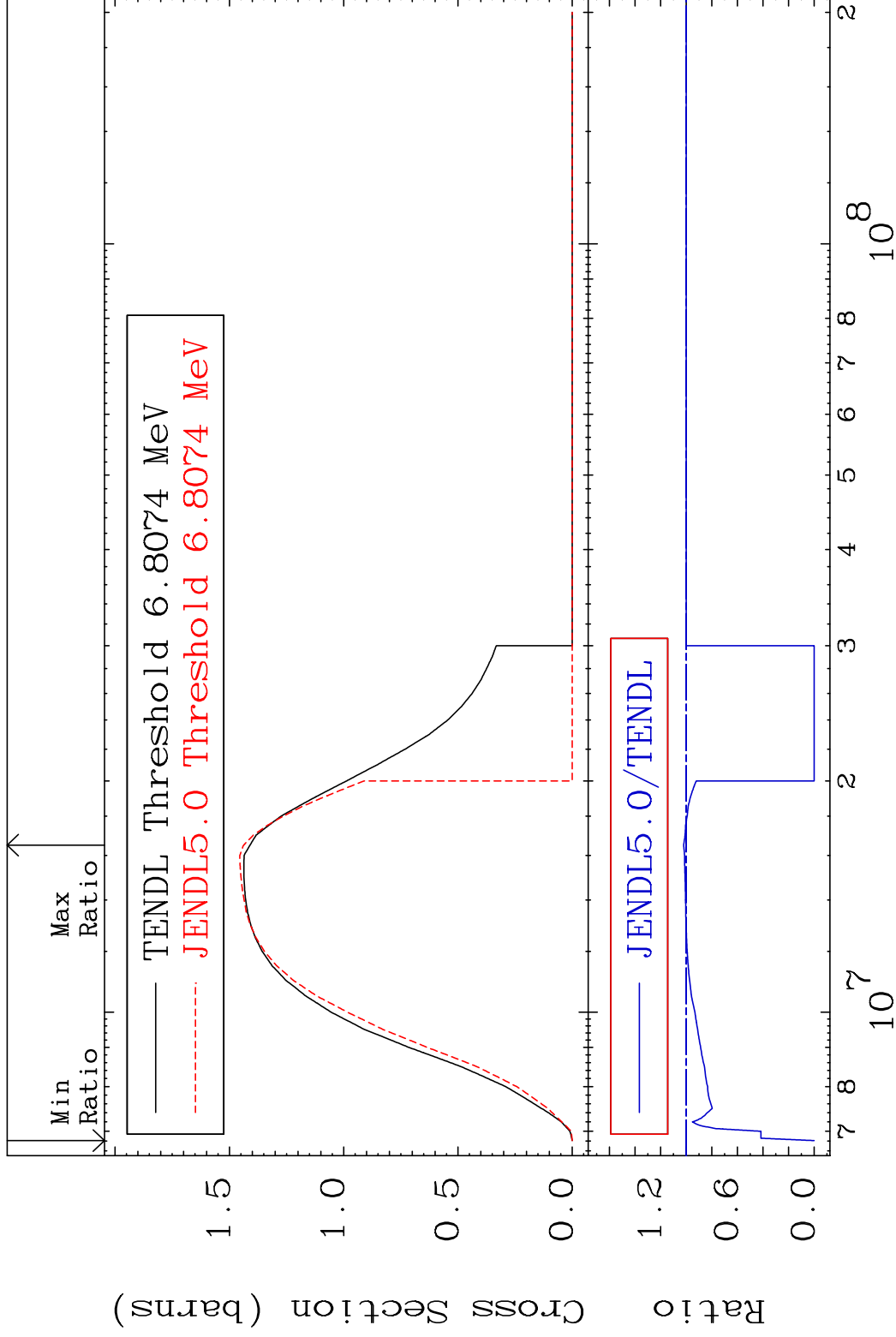
4 Incident Energy (eV) 40-Zr-93

MAT 4034

(n,2n)

40-Zr-93

Cross Section -100.0 To 2.011 %

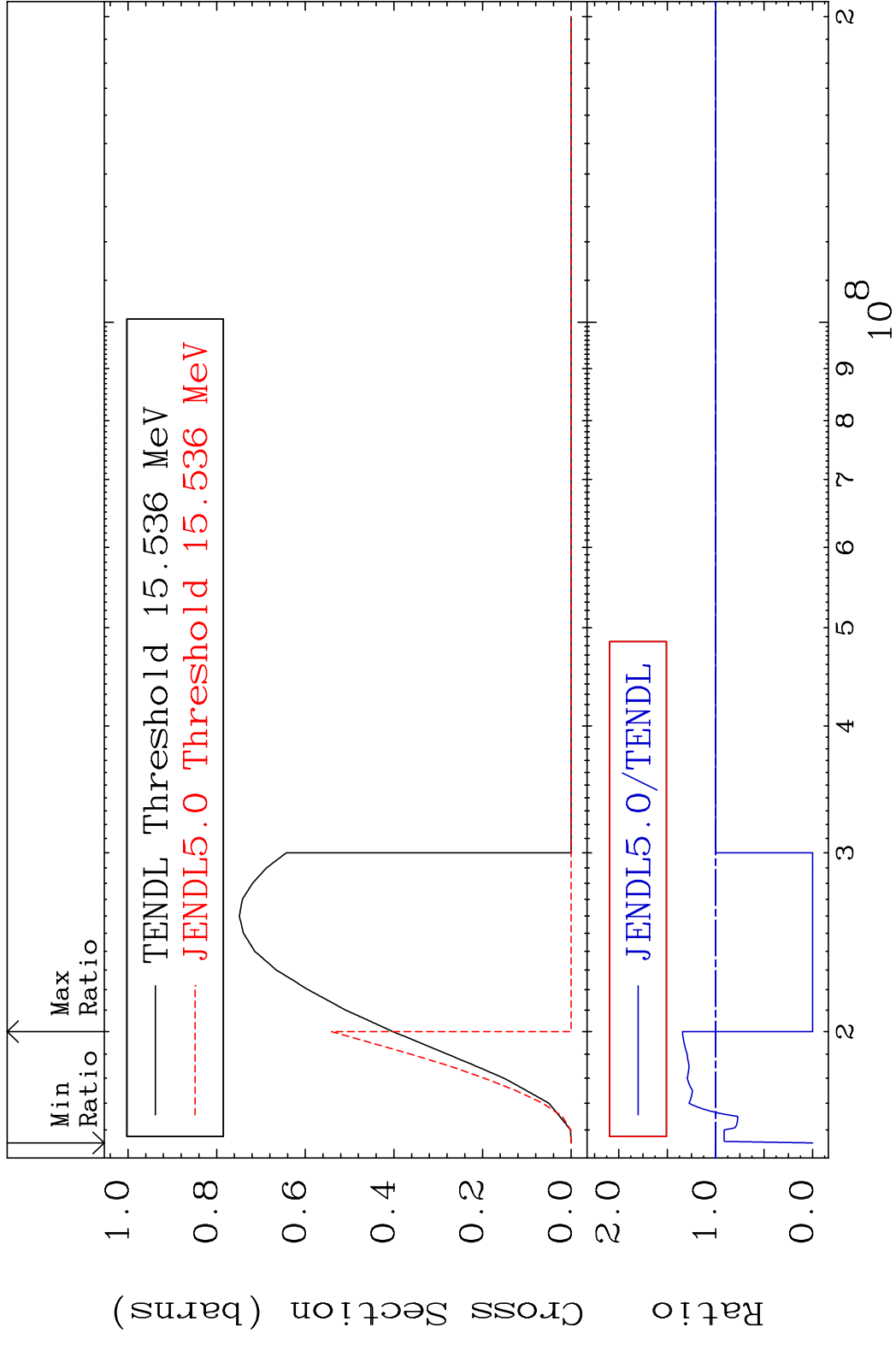


5

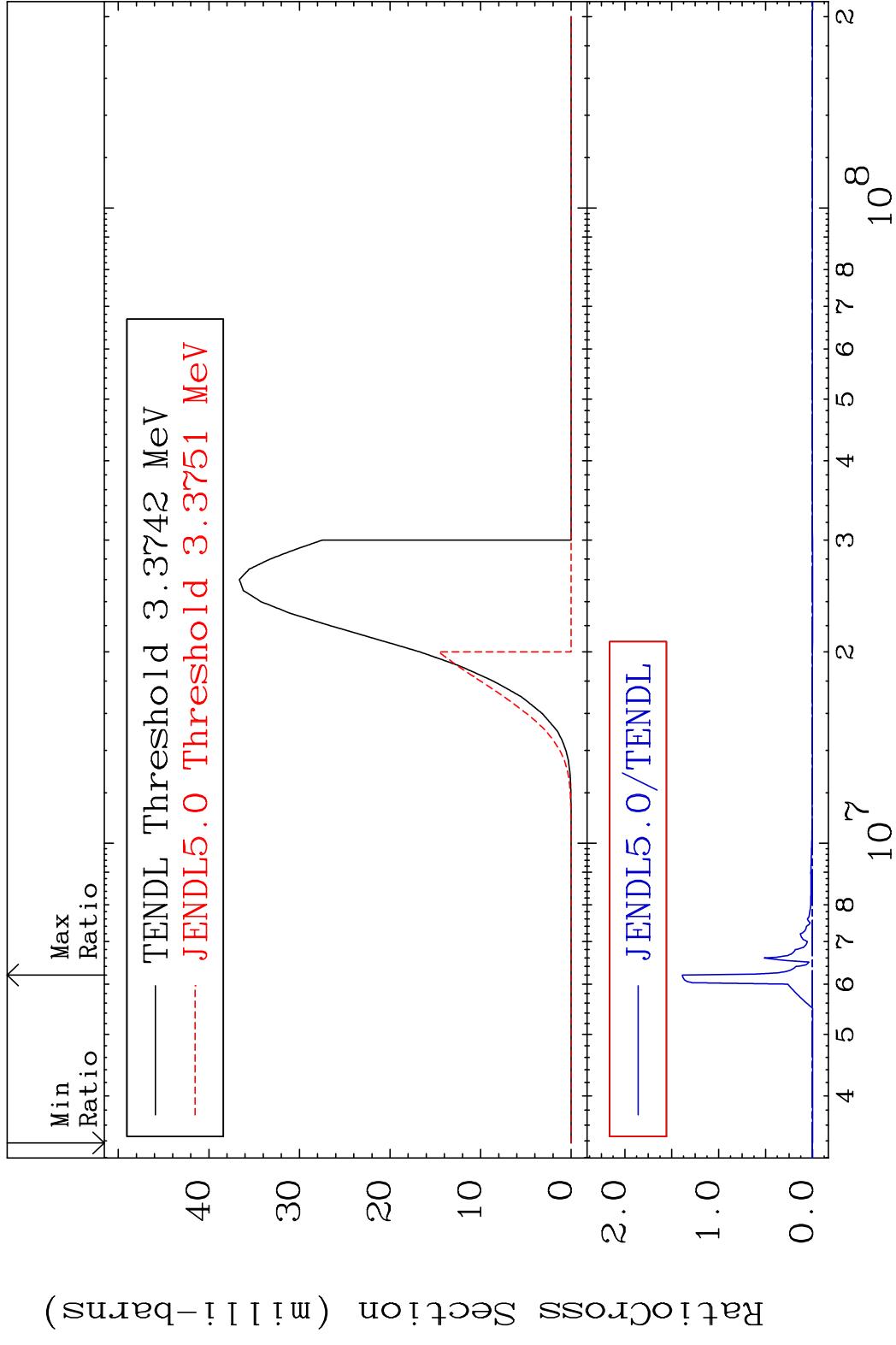
Incident Energy (eV)

40-Zr-93

MAT 4034 (n,3n) 40-Zr-93  
 Cross Section -100.0 To 34.40 %



MAT 4034 (n, n')  $\alpha$  40-Zr-93  
 Cross Section -100.0 To 9999. %

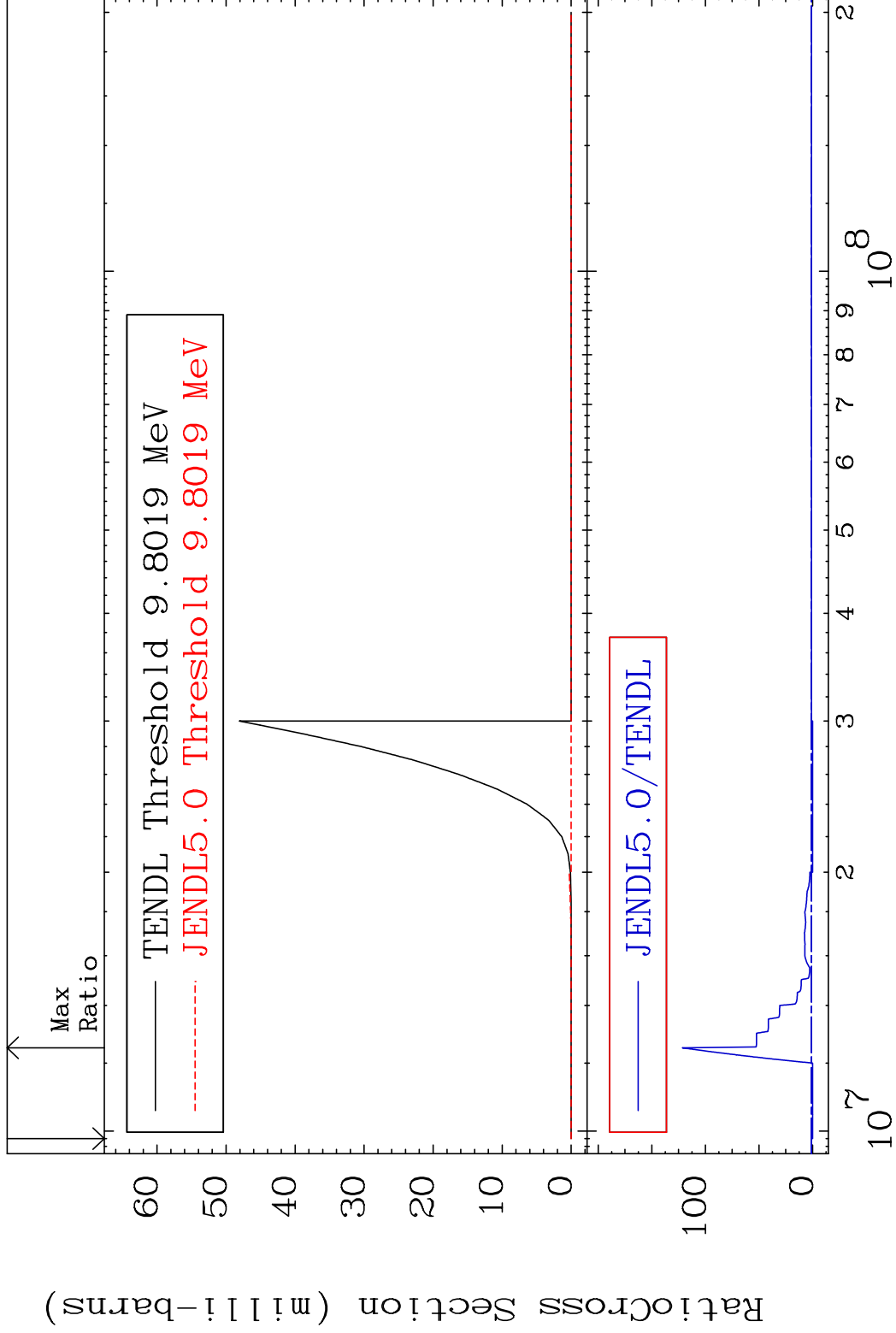


MAT 4034

(n,2n)  $\alpha$

40-Zr-93

Cross Section -100.0 To 9999. %

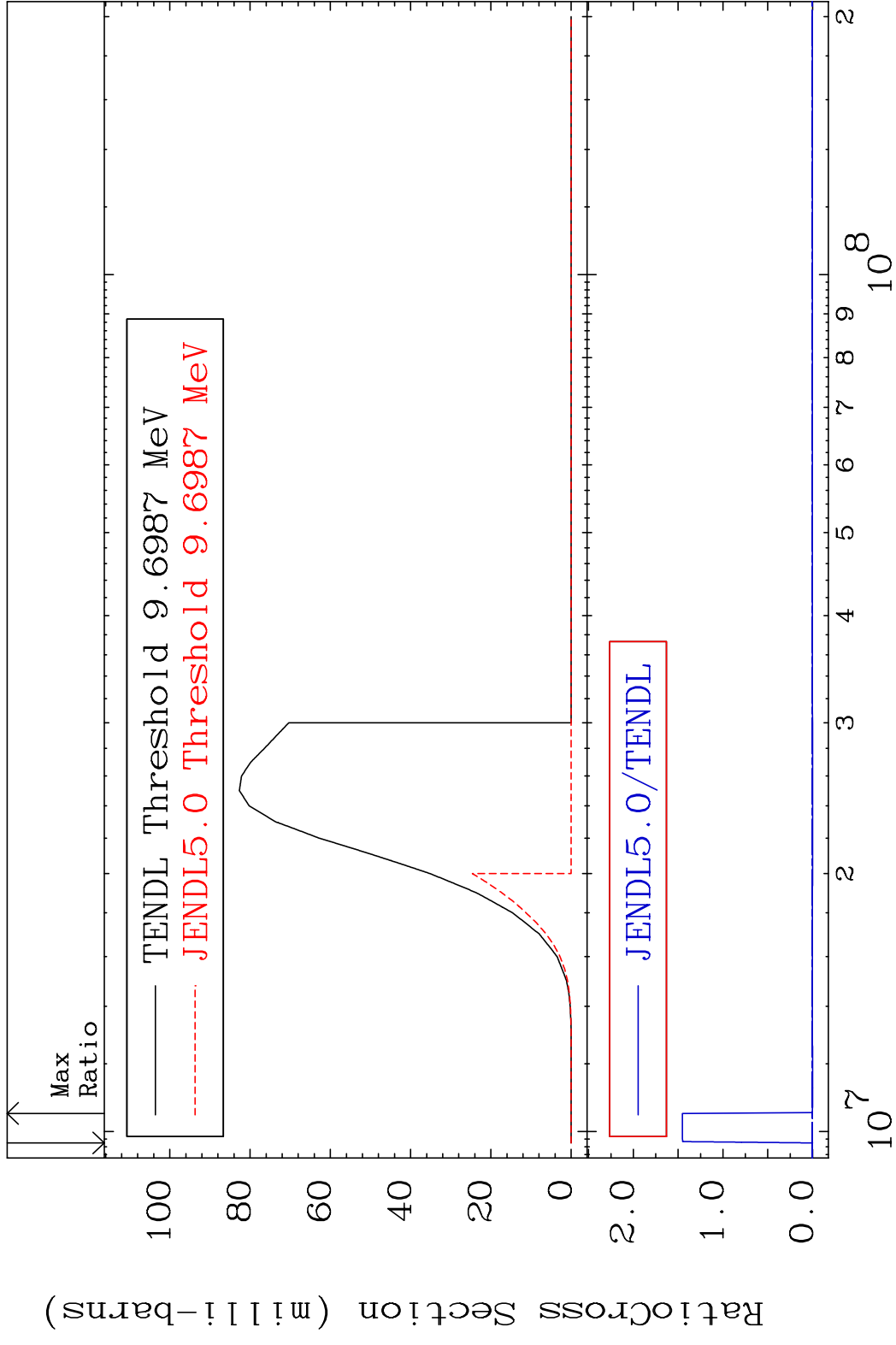


8

Incident Energy (eV)

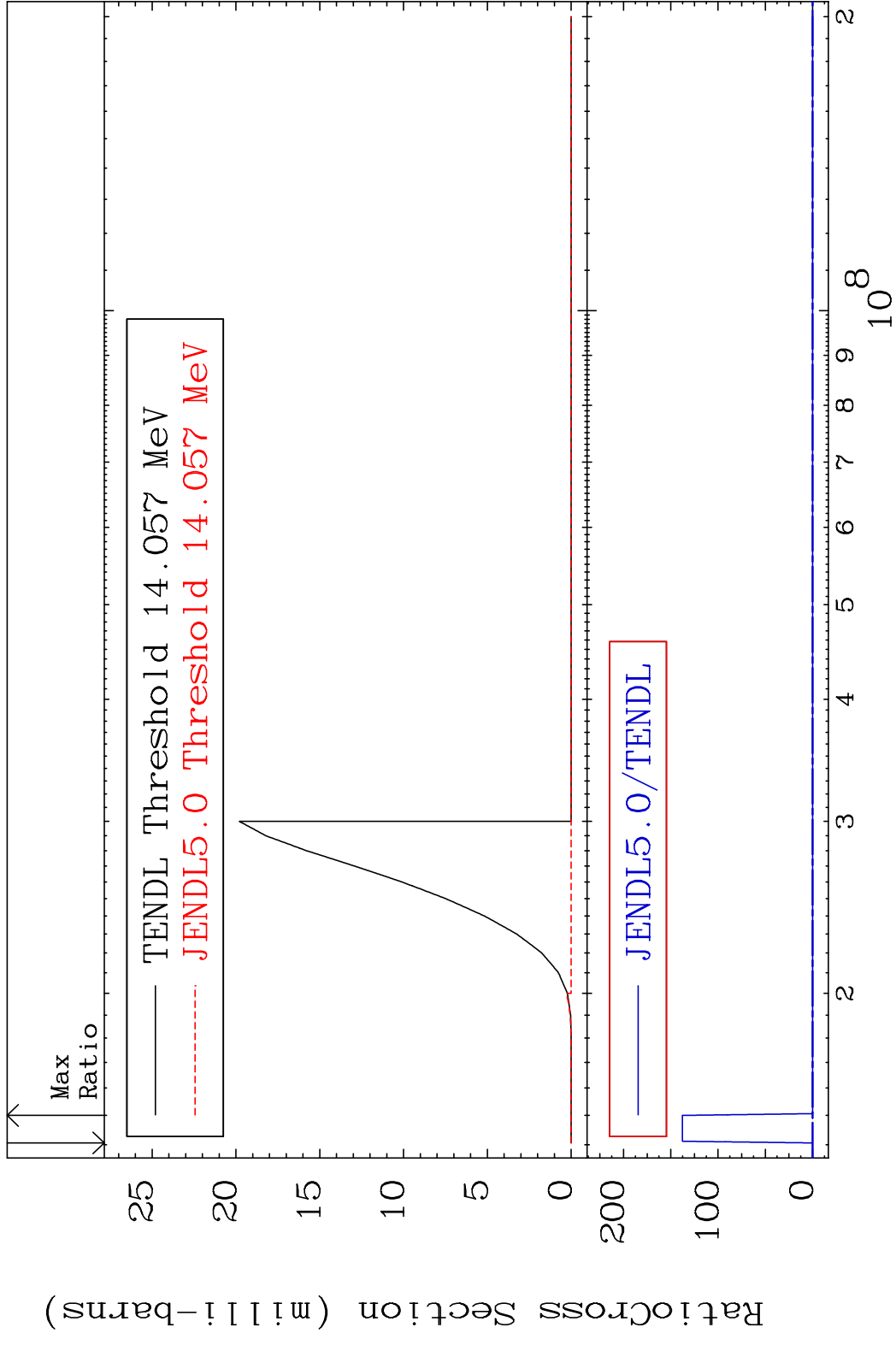
40-Zr-93

MAT 4034 (n, n') p 40-Zr-93  
 Cross Section -100.0 To 9999. %



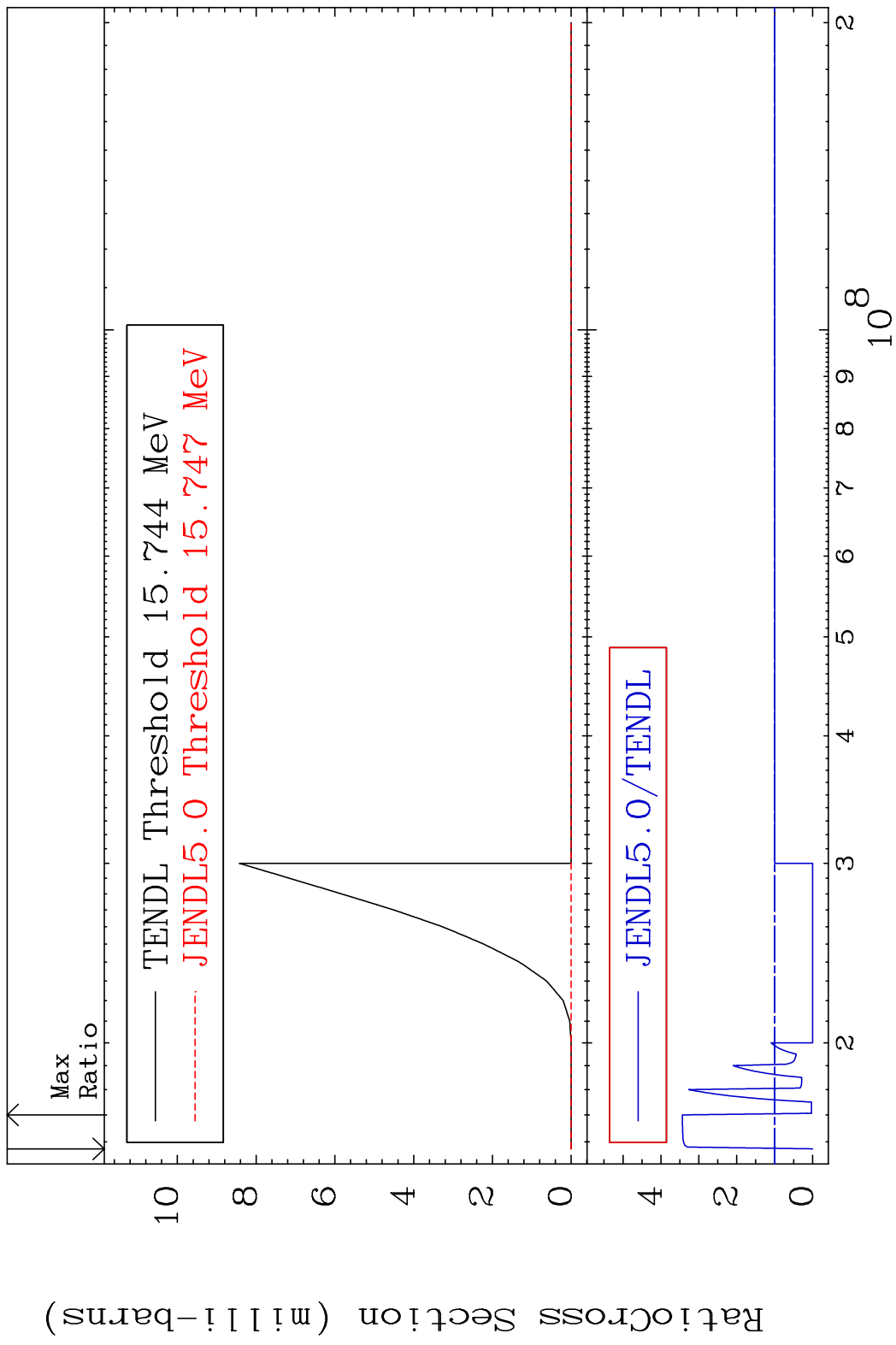
9 2  
 10<sup>7</sup> 10<sup>8</sup> 10<sup>9</sup>  
 Incident Energy (eV) 40-Zr-93

MAT 4034 (n, n') d 40-Zr-93  
 Cross Section -100.0 To 9999. %

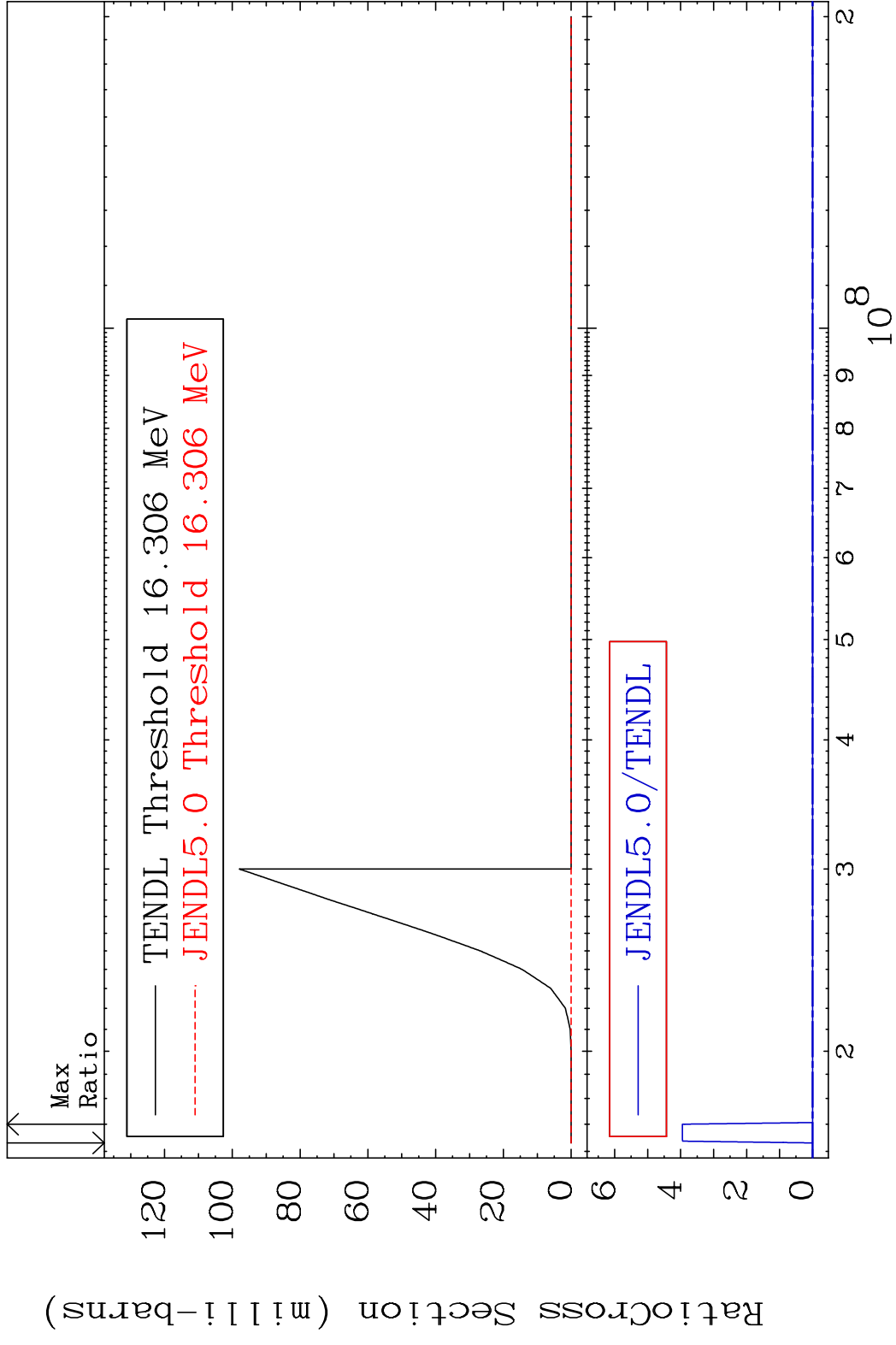


10 Incident Energy (eV) 40-Zr-93

MAT 4034 (n, n') t 40-Zr-93  
 Cross Section -100.0 To 243.4 %

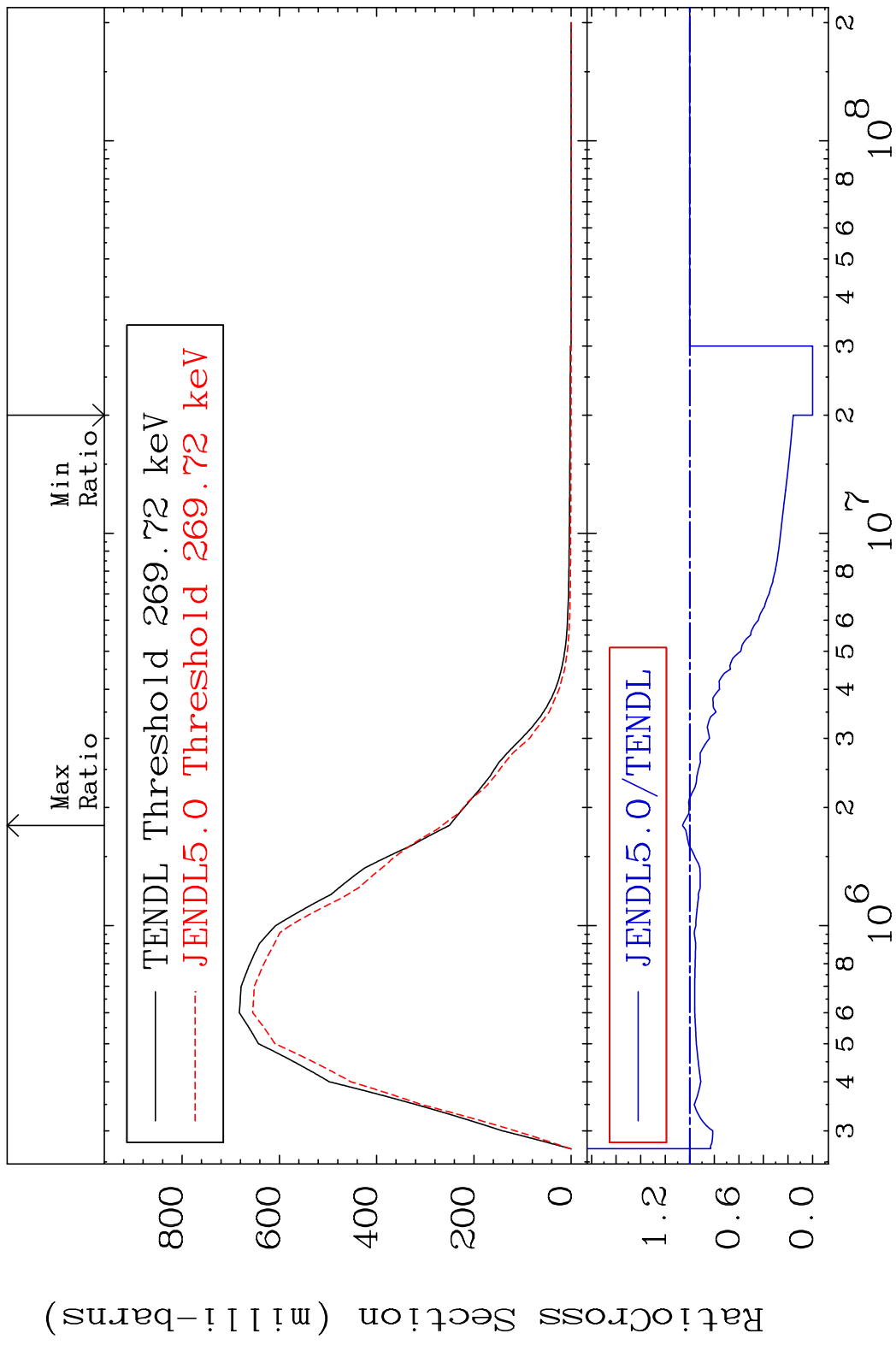


MAT 4034 (n,2n) p 40-Zr-93  
 Cross Section -100.0 To 9999. %

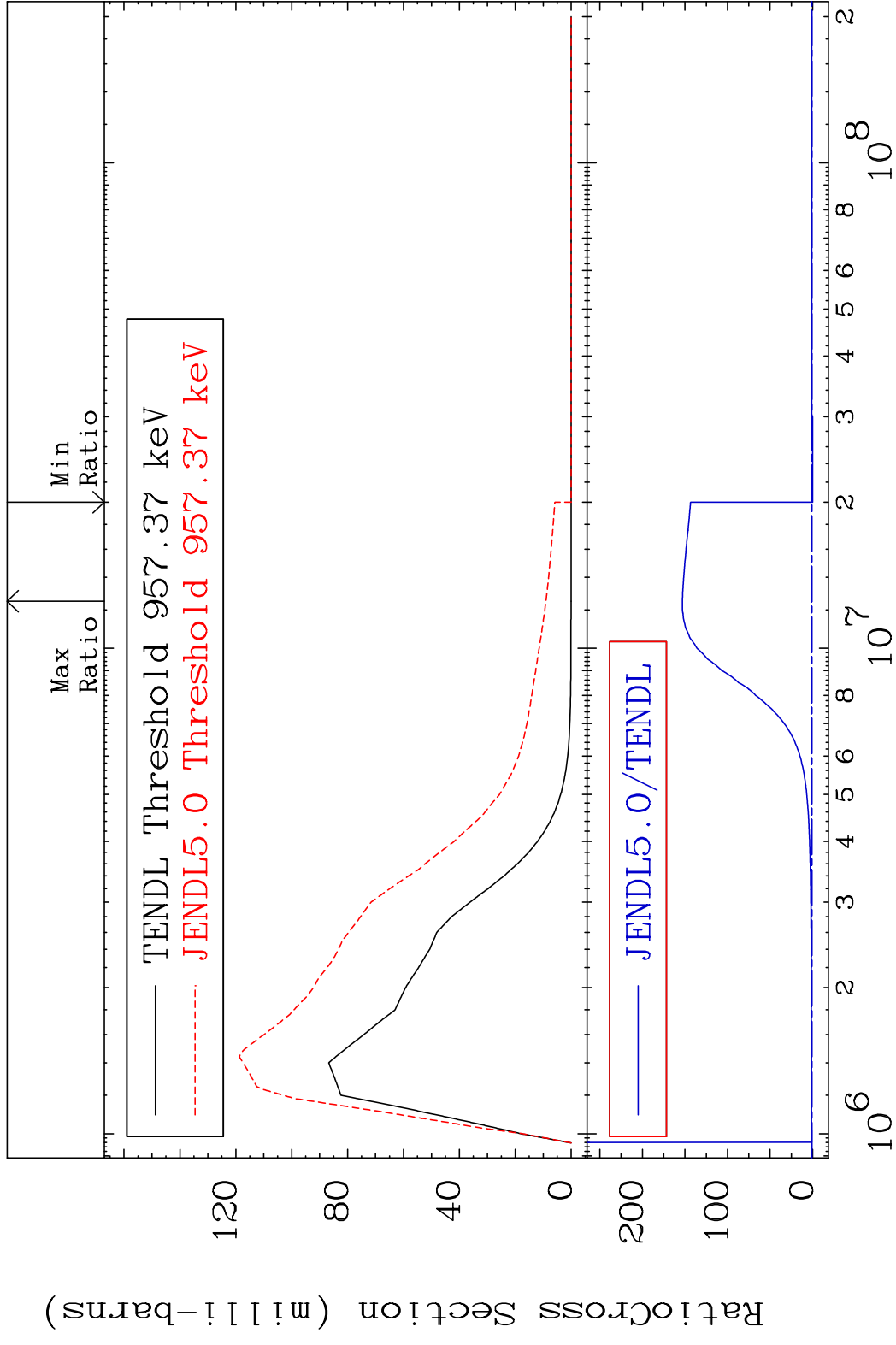


12 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 51 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 6.056 %

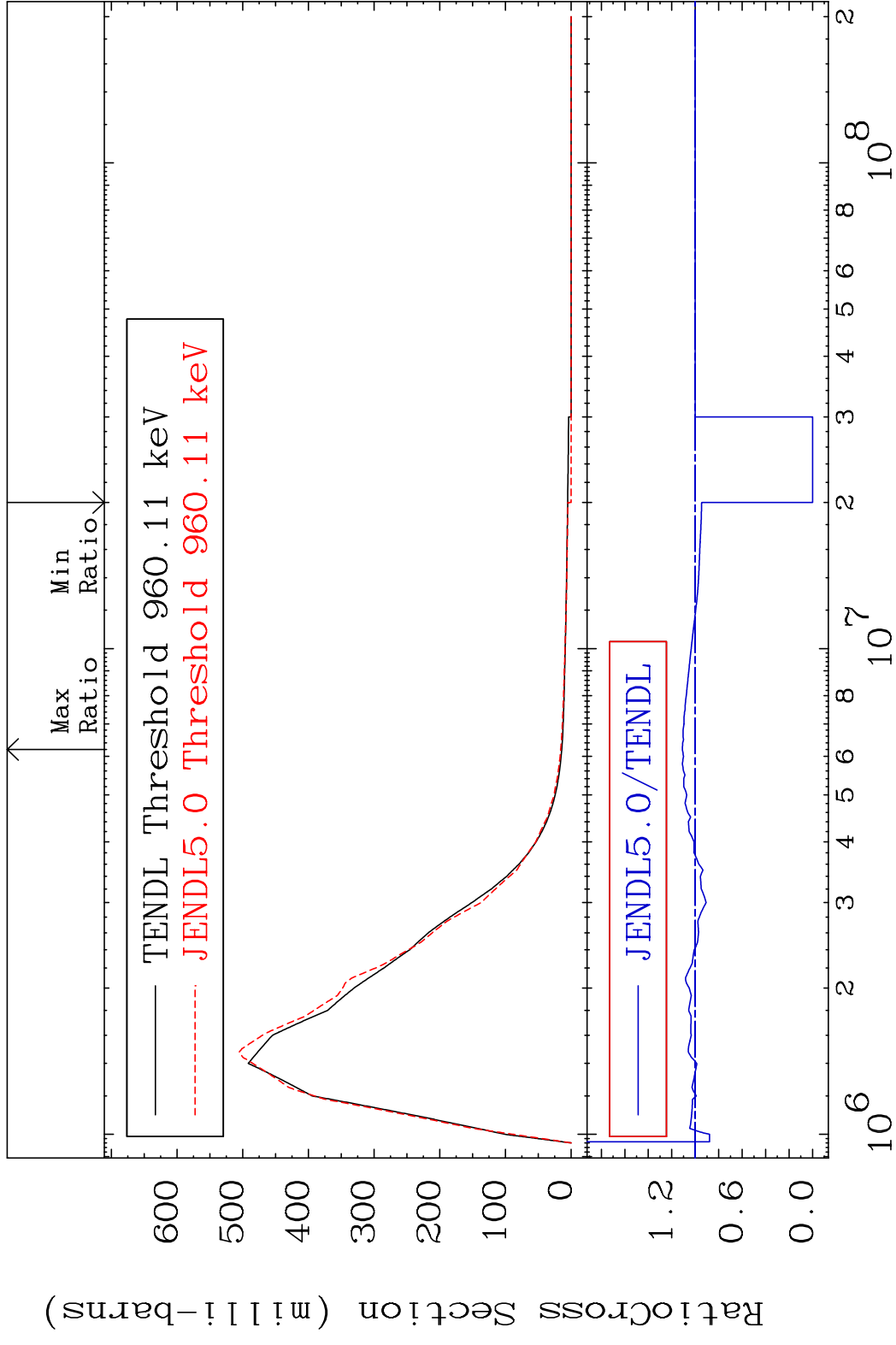


MAT 4034 MT= 52 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 9999. %



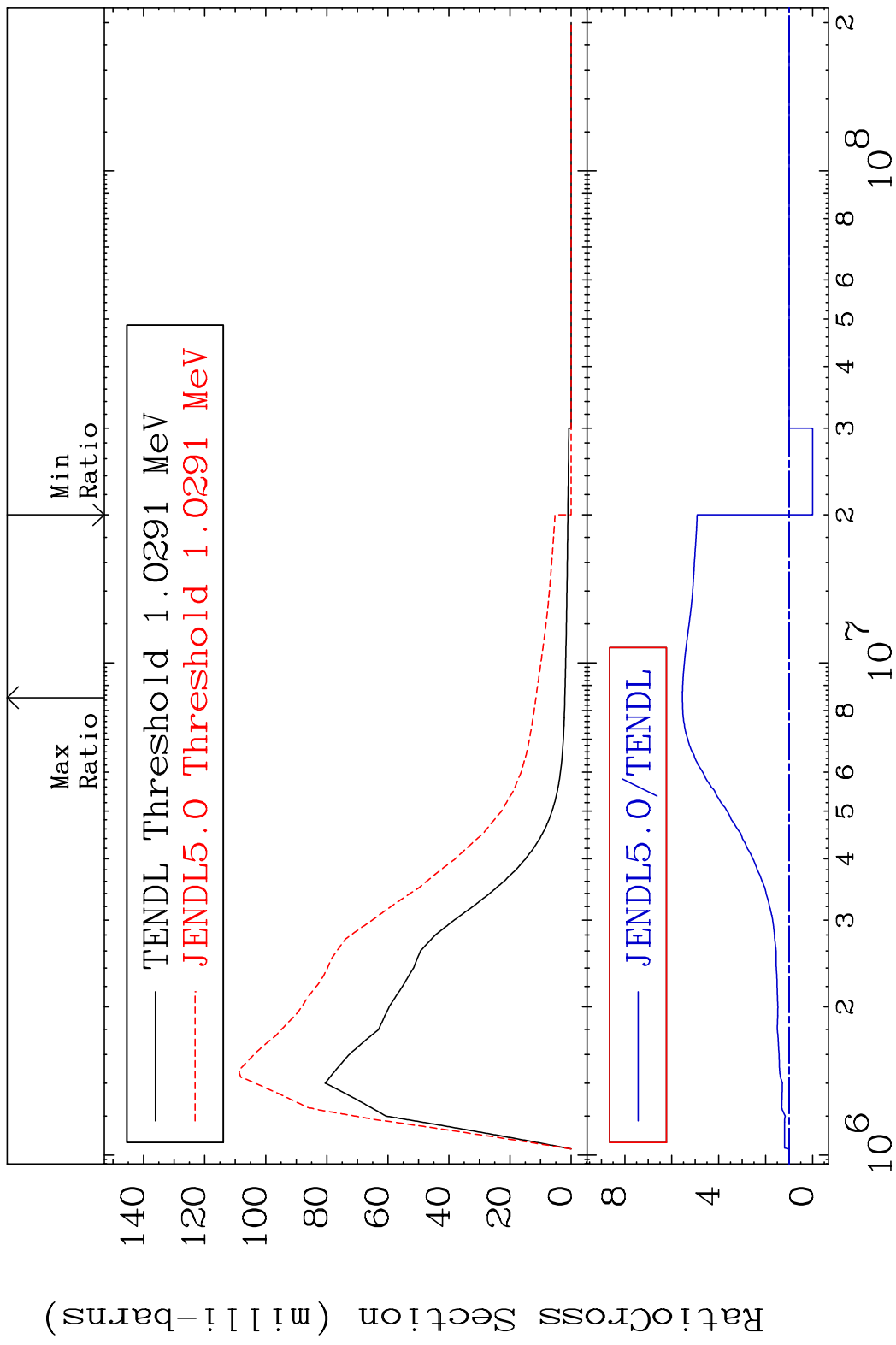
14 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 53 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 10.97 %



15 15 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 54 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 454.8 %

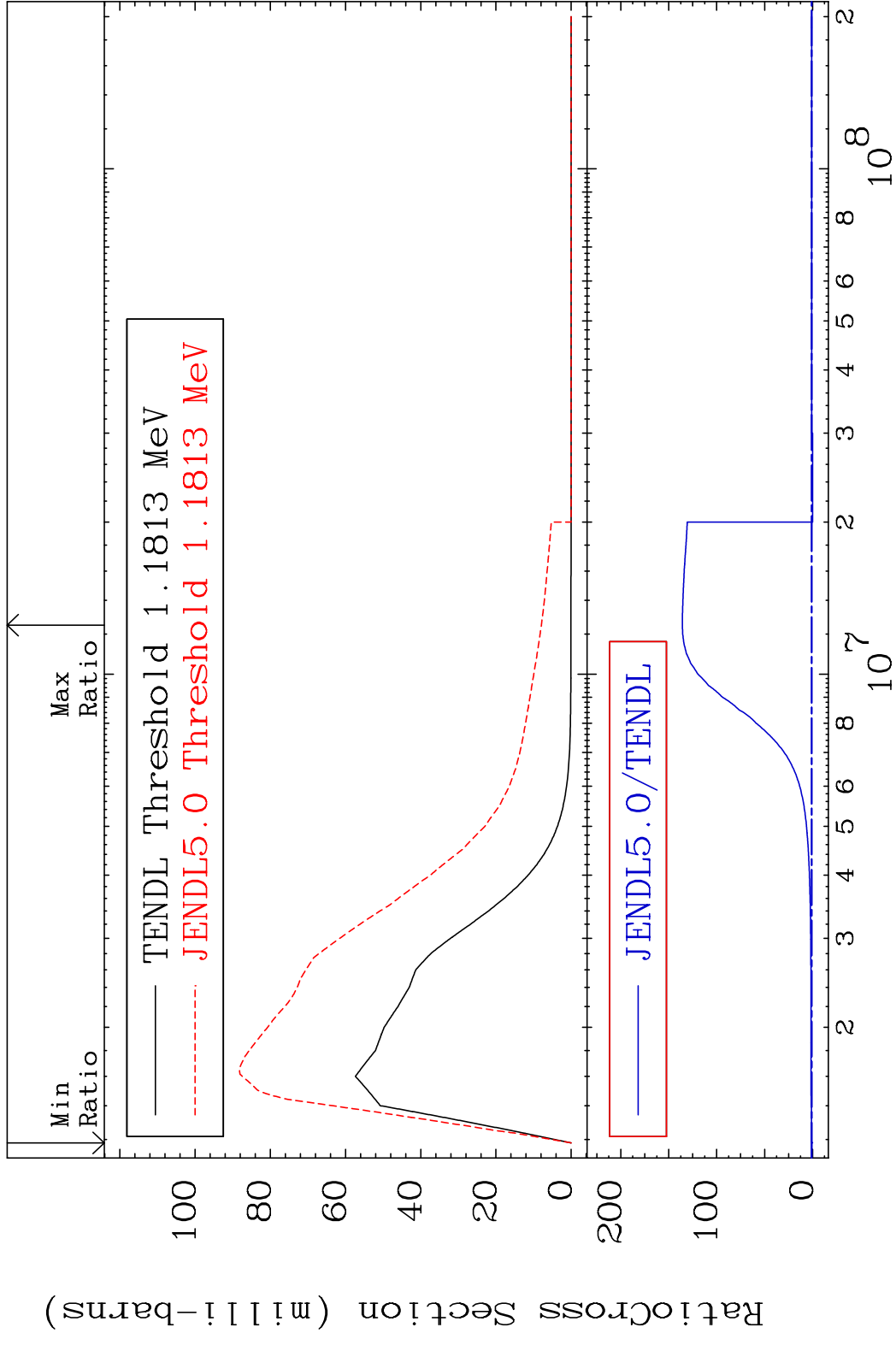


16

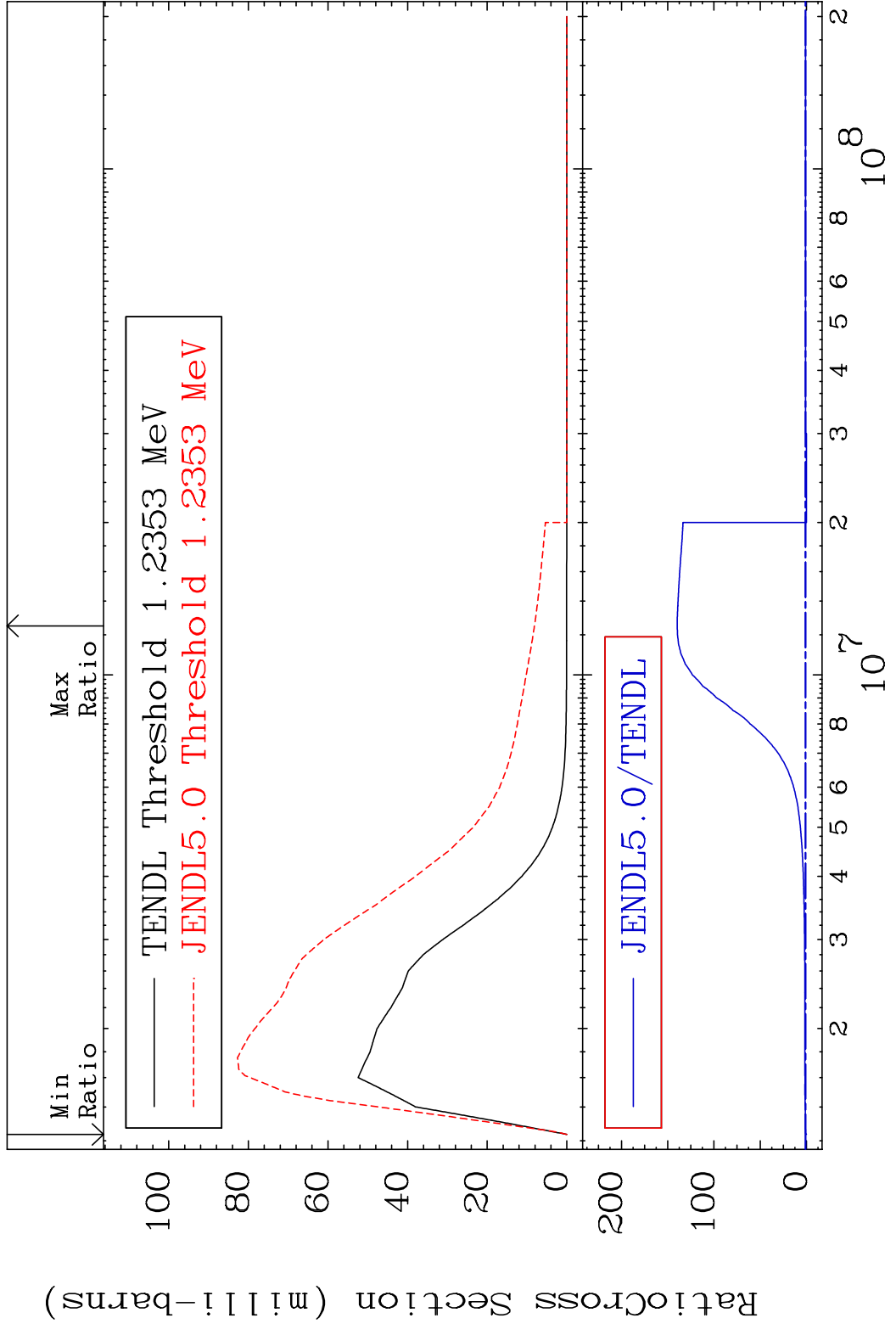
Incident Energy (eV)

40-Zr-93

MAT 4034 MT= 55 (n,n') Level 40-Zr-93  
 Cross Section -100.0 To 9999. %

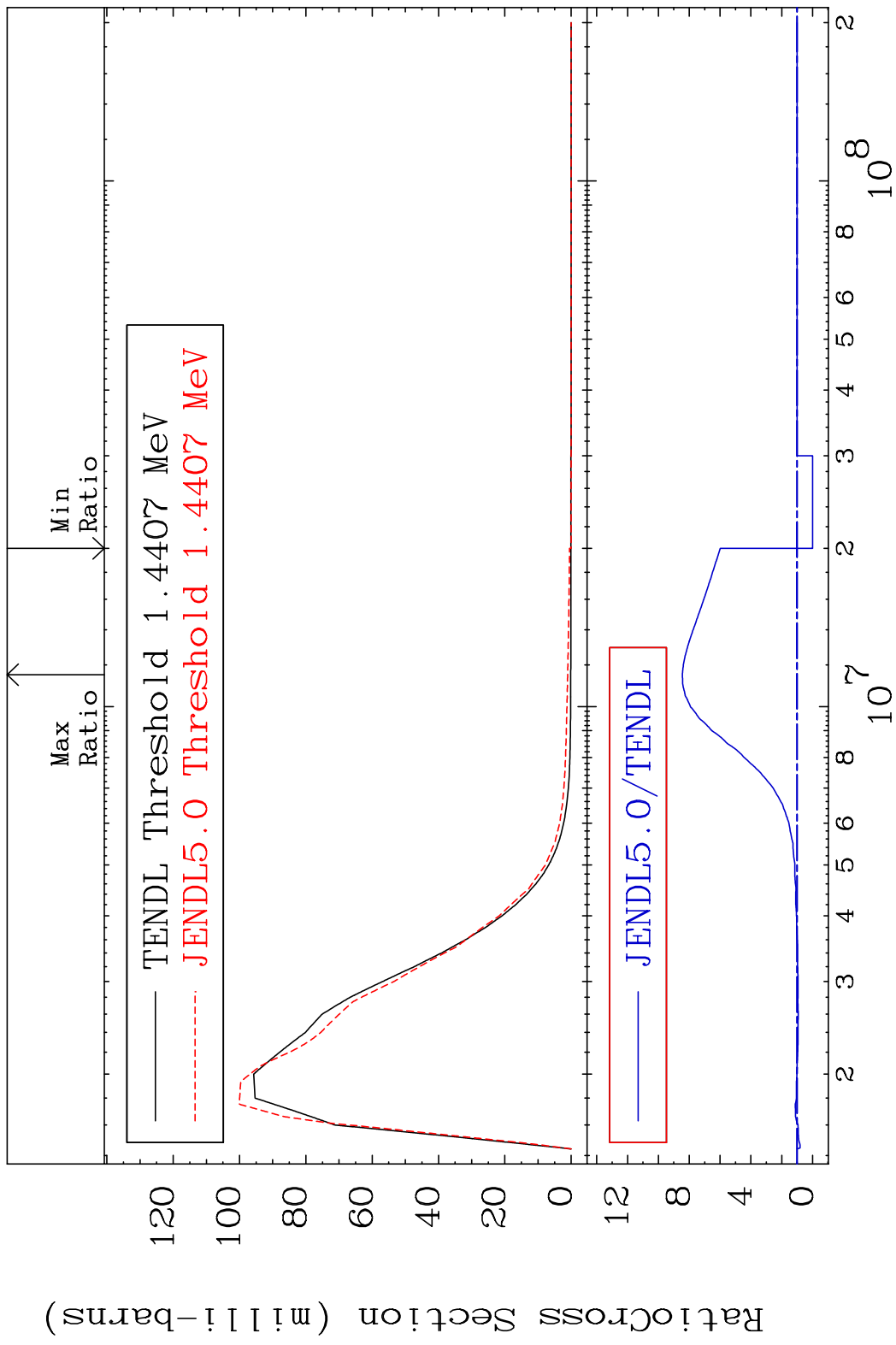


MAT 4034 MT= 56 (n,n') Level 40-Zr-93  
 Cross Section -100.0 To 9999. %

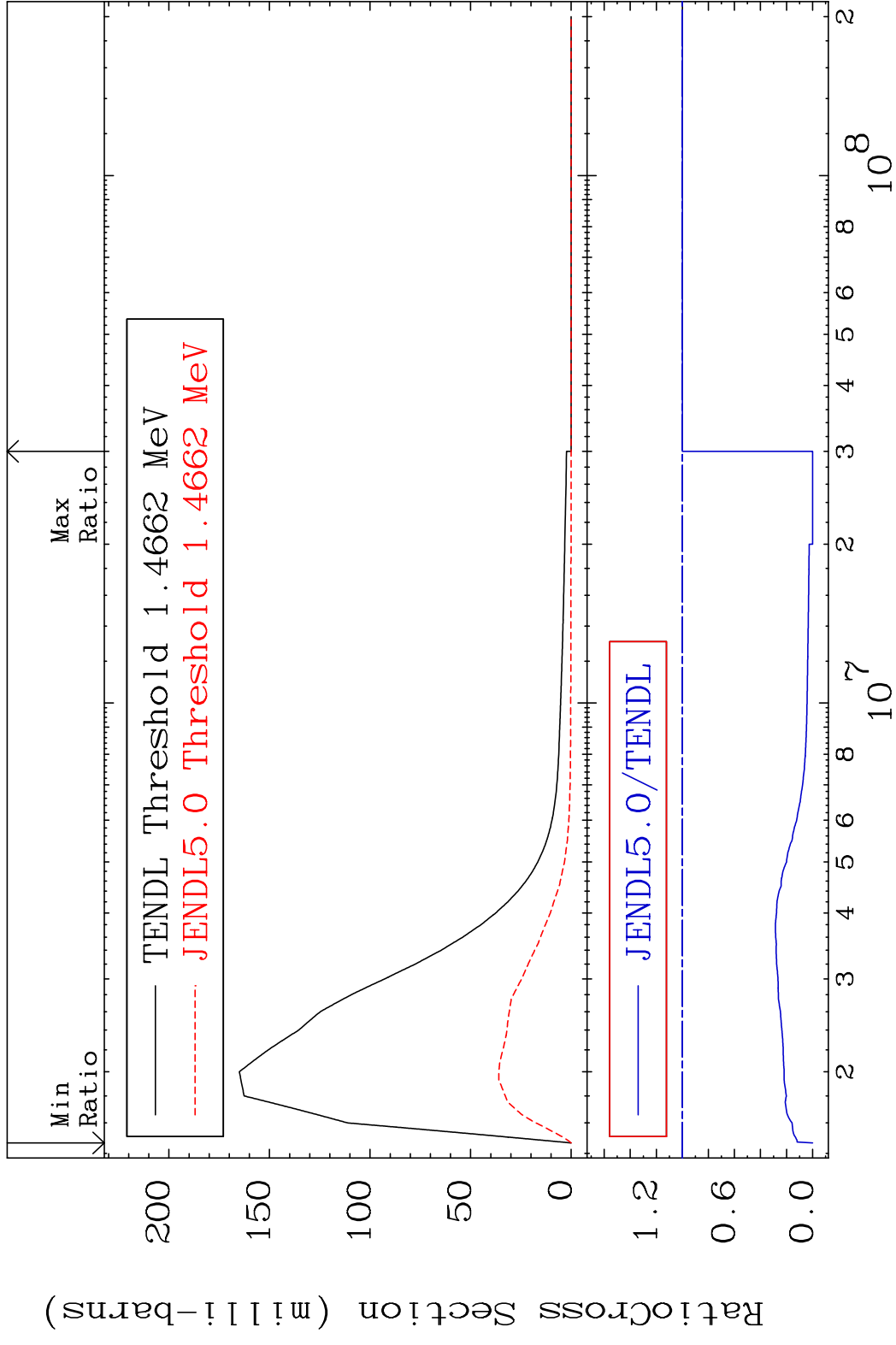


18 Incident Energy (eV) 40-Zr-93

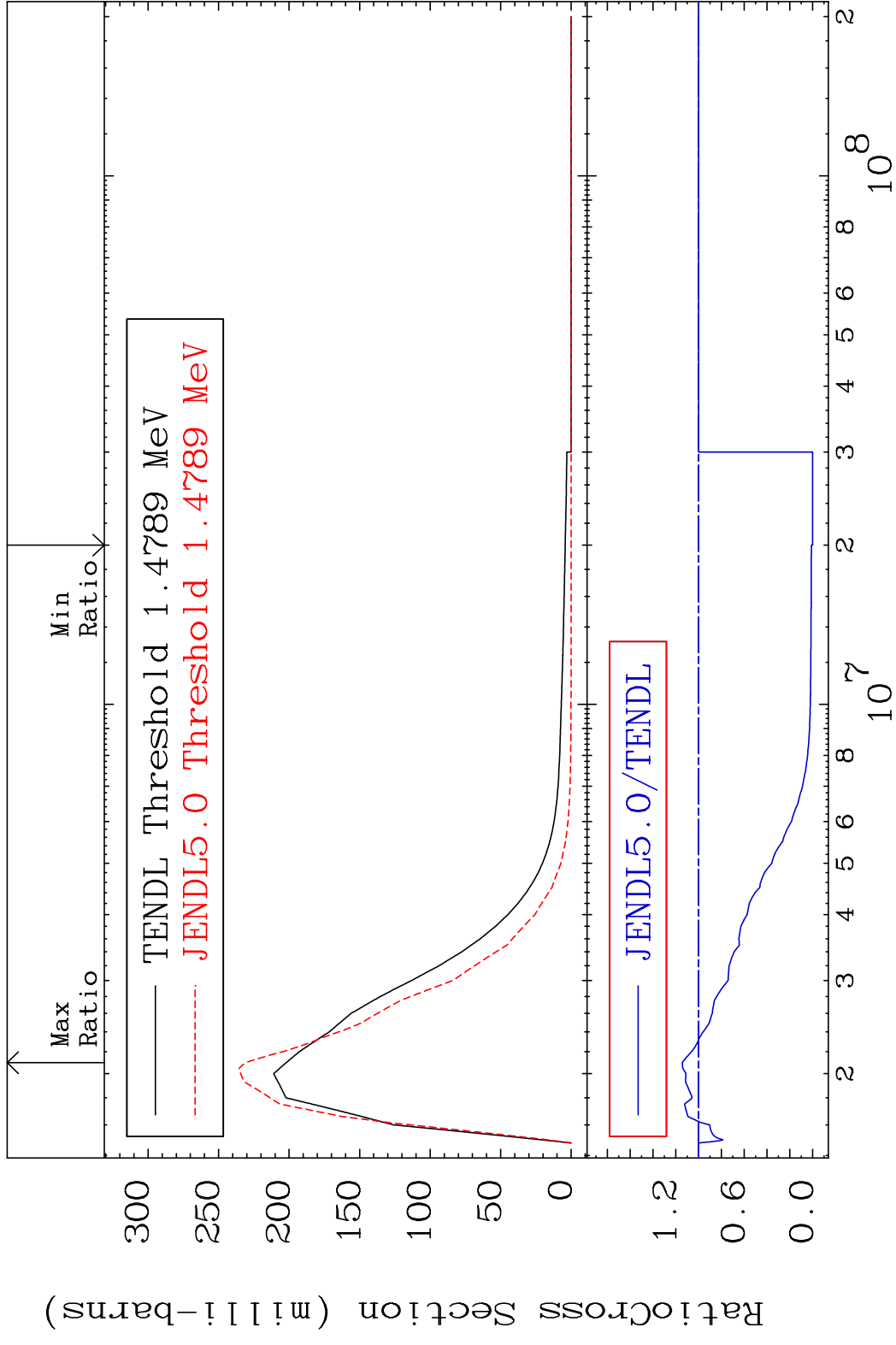
MAT 4034 MT= 57 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 744.6 %



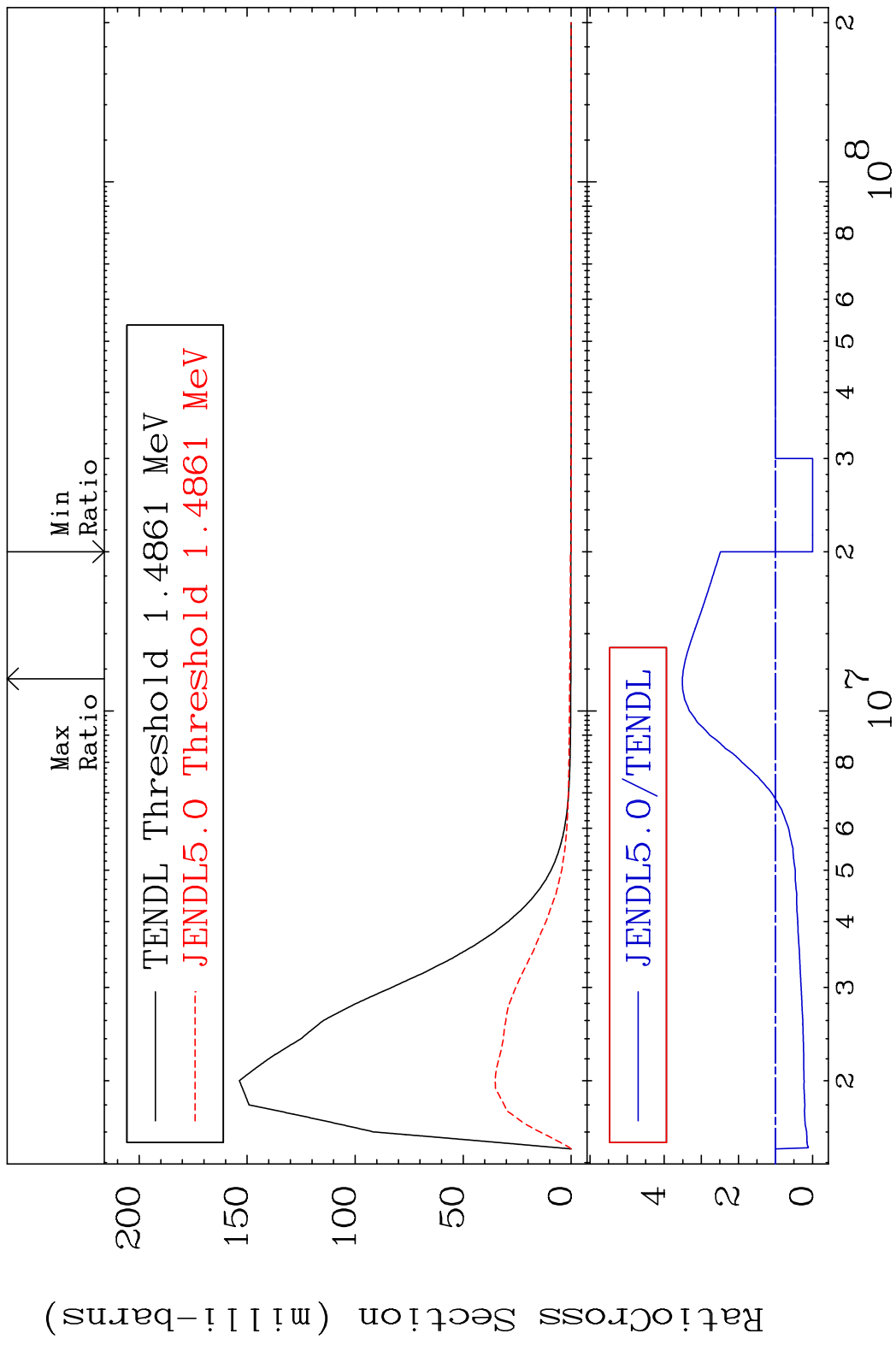
MAT 4034 MT= 58 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 0.000 %



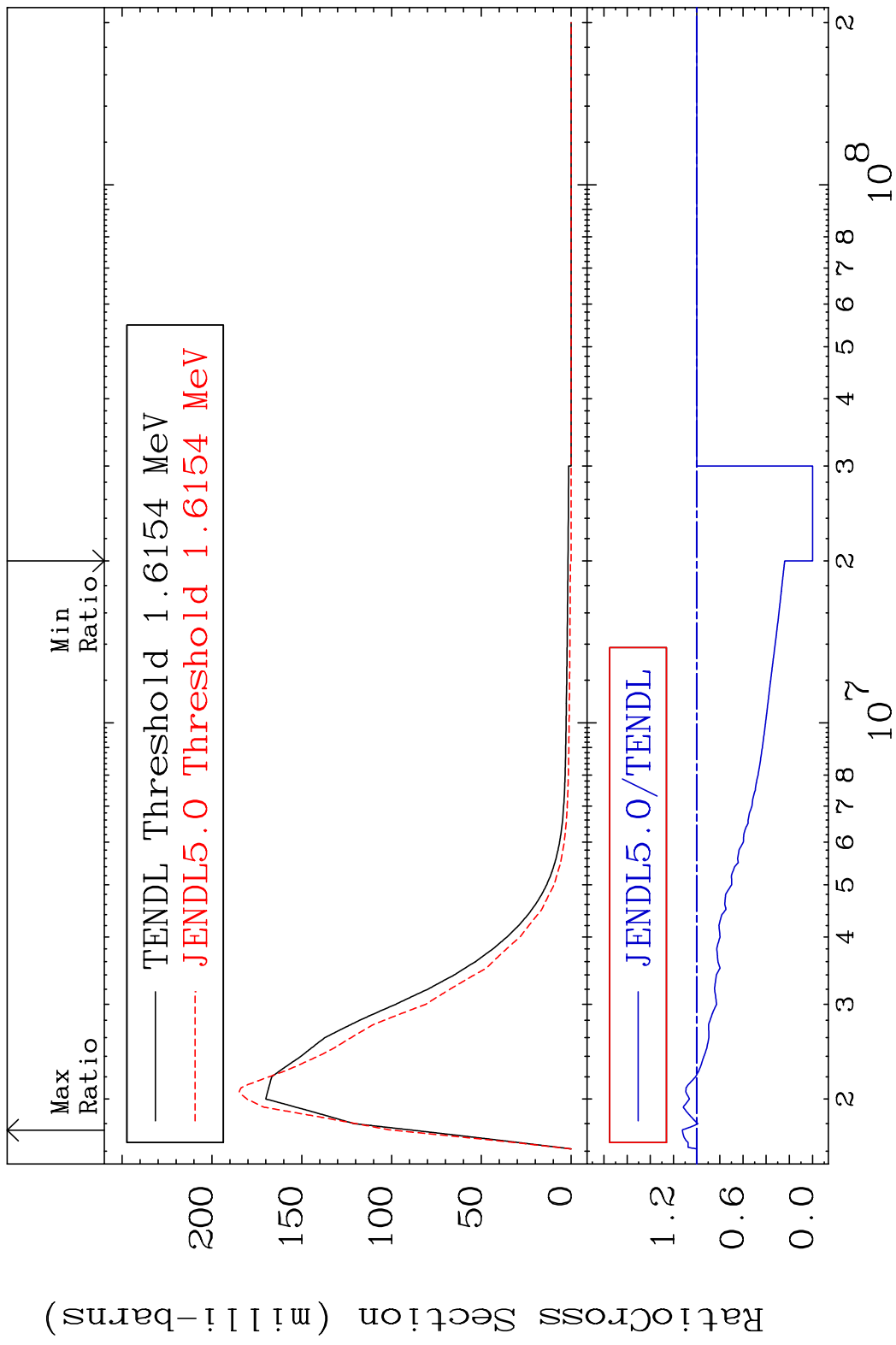
MAT 4034 MT= 59 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 14.25 %



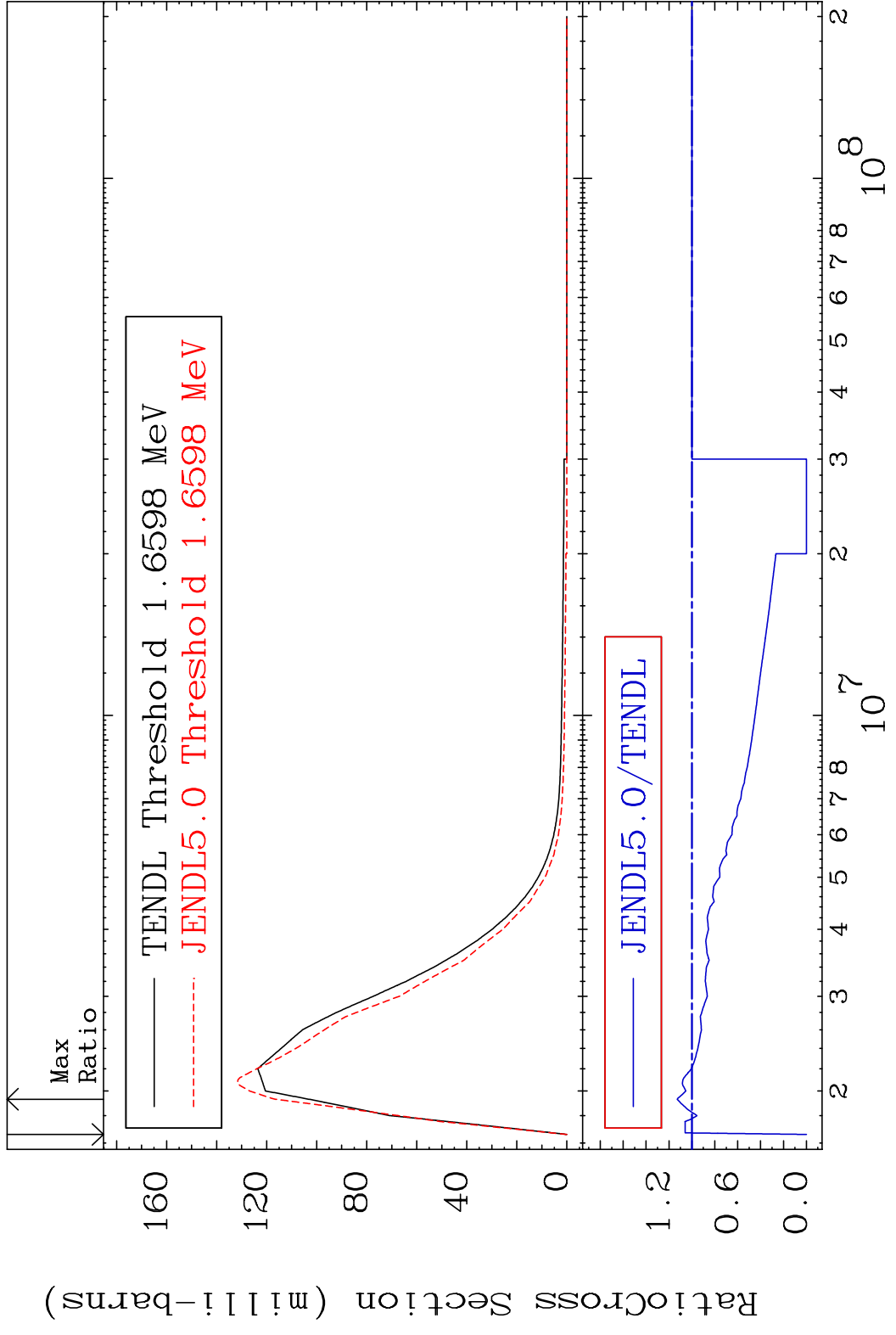
MAT 4034 MT= 60 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 251.1 %



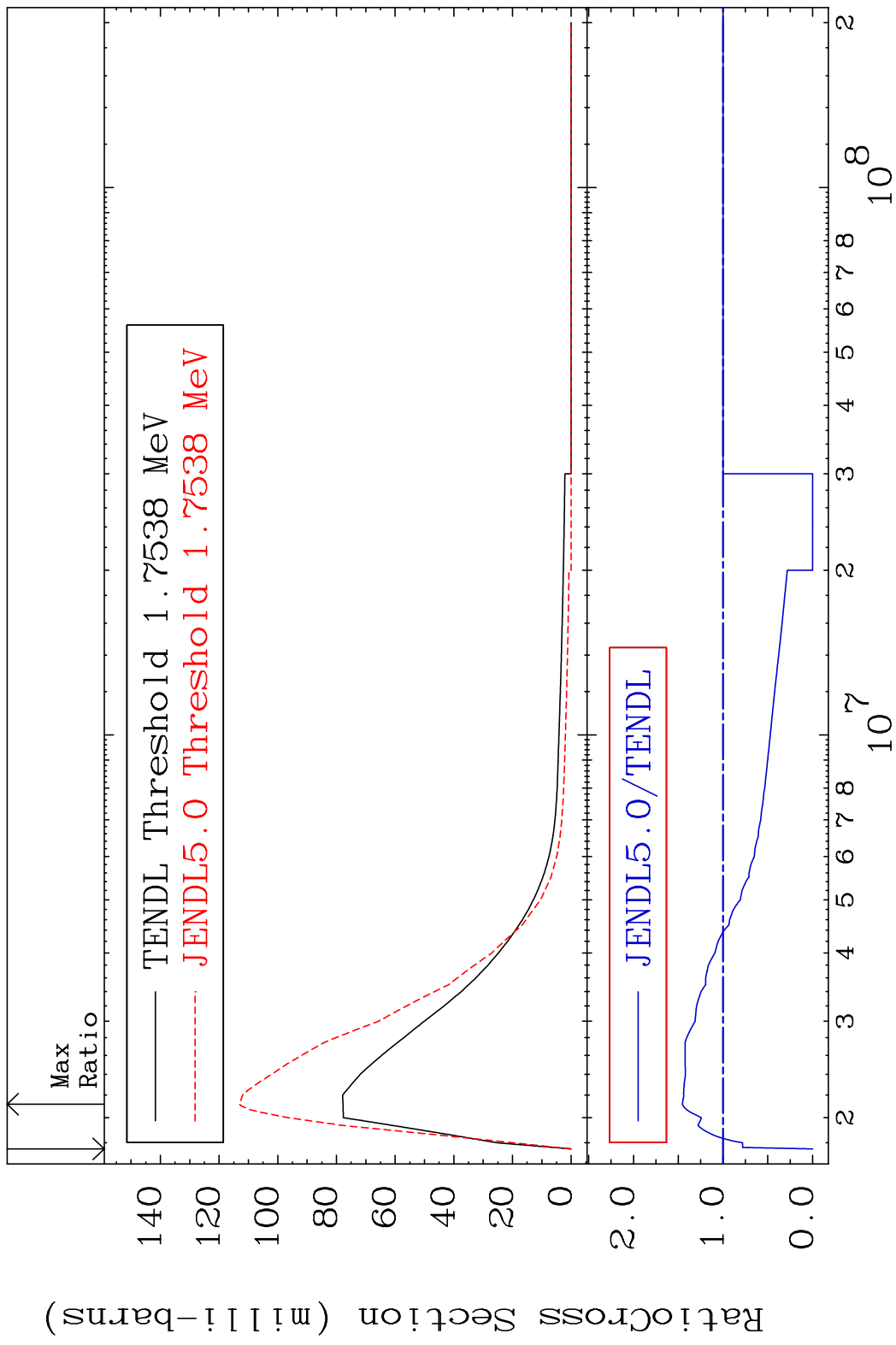
MAT 4034 MT= 61 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 12.34 %



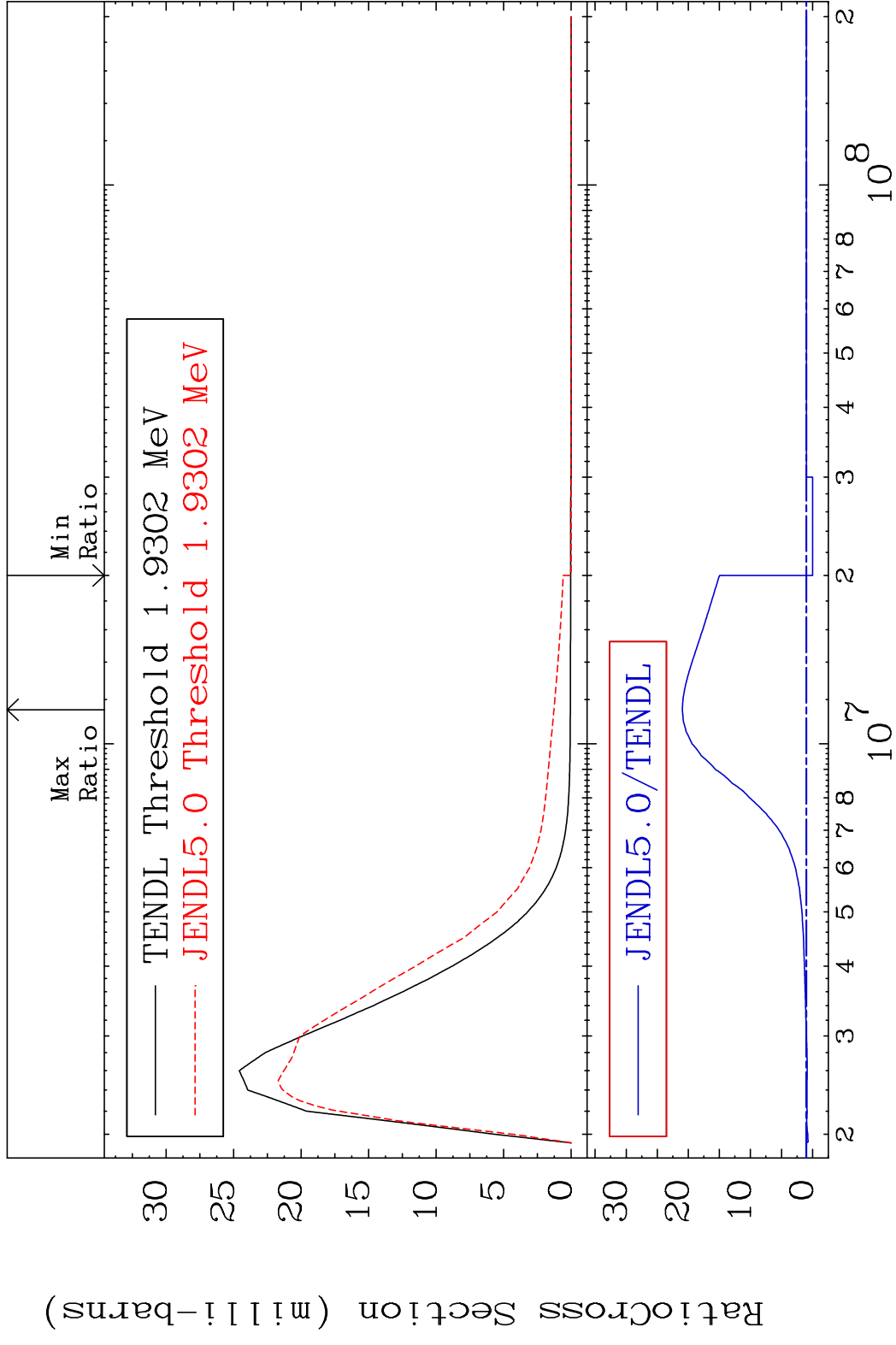
MAT 4034 MT= 62 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 12.85 %



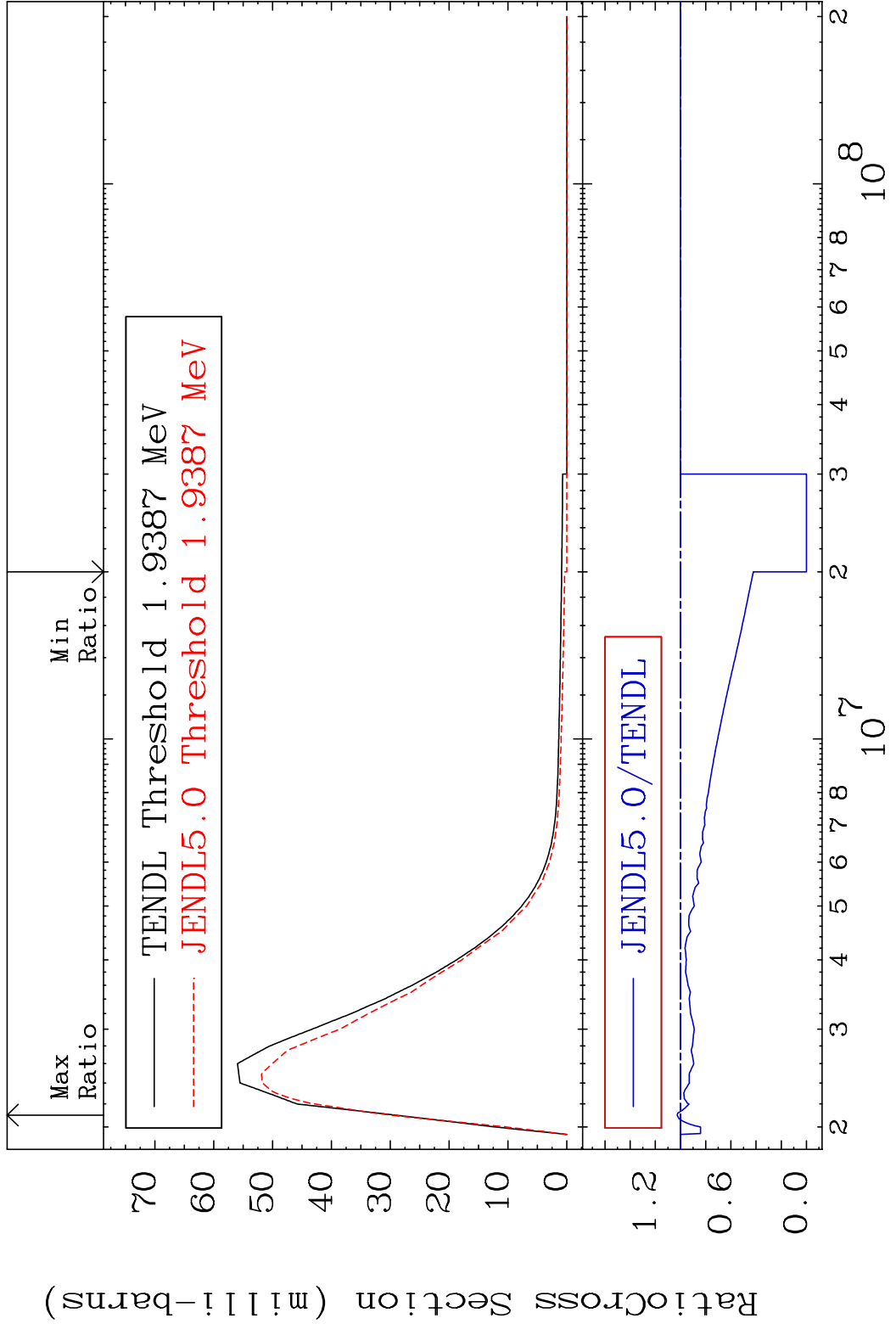
MAT 4034 MT= 63 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 45.43 %



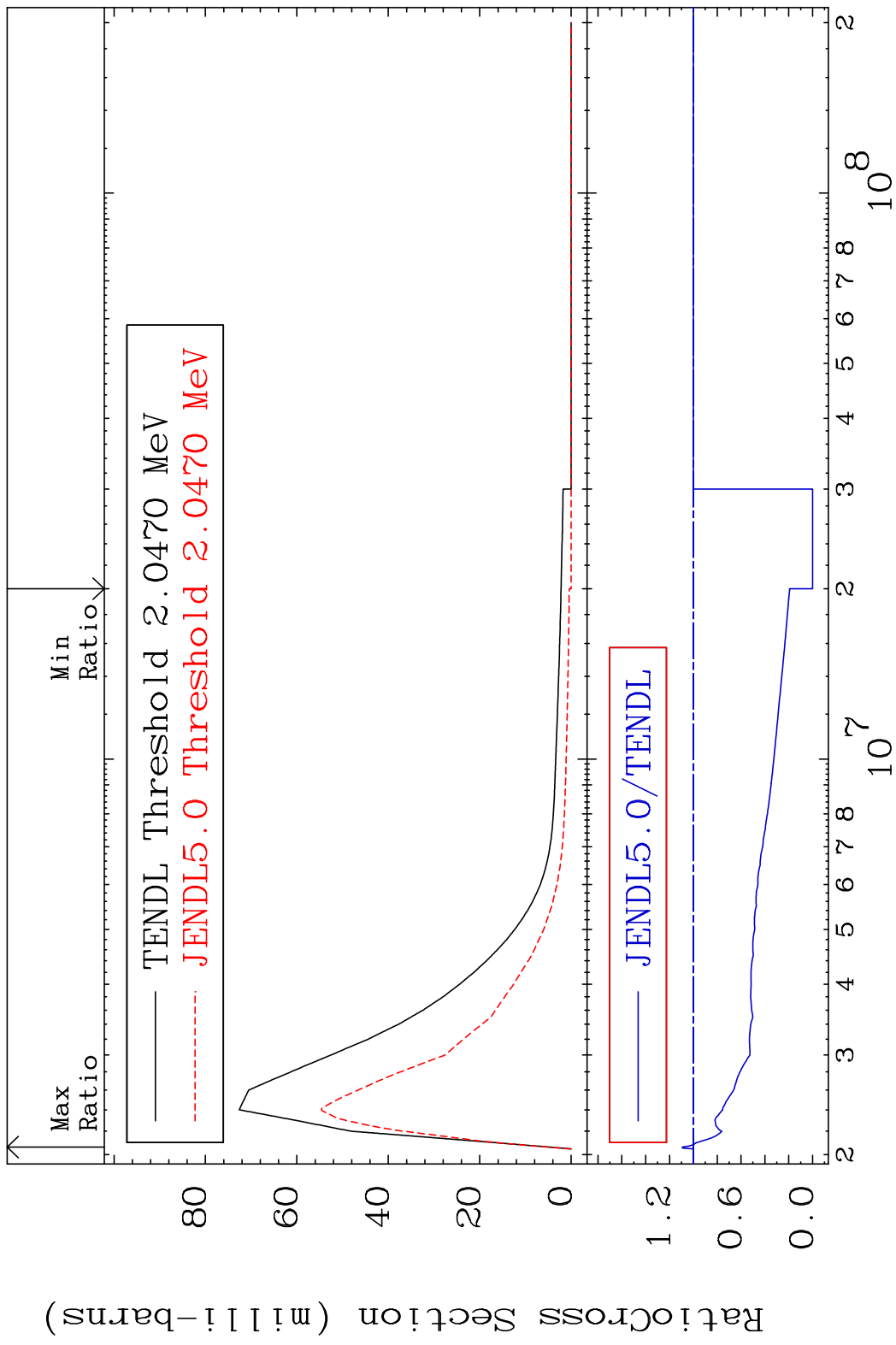
MAT 4034 MT= 64 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 1996. %



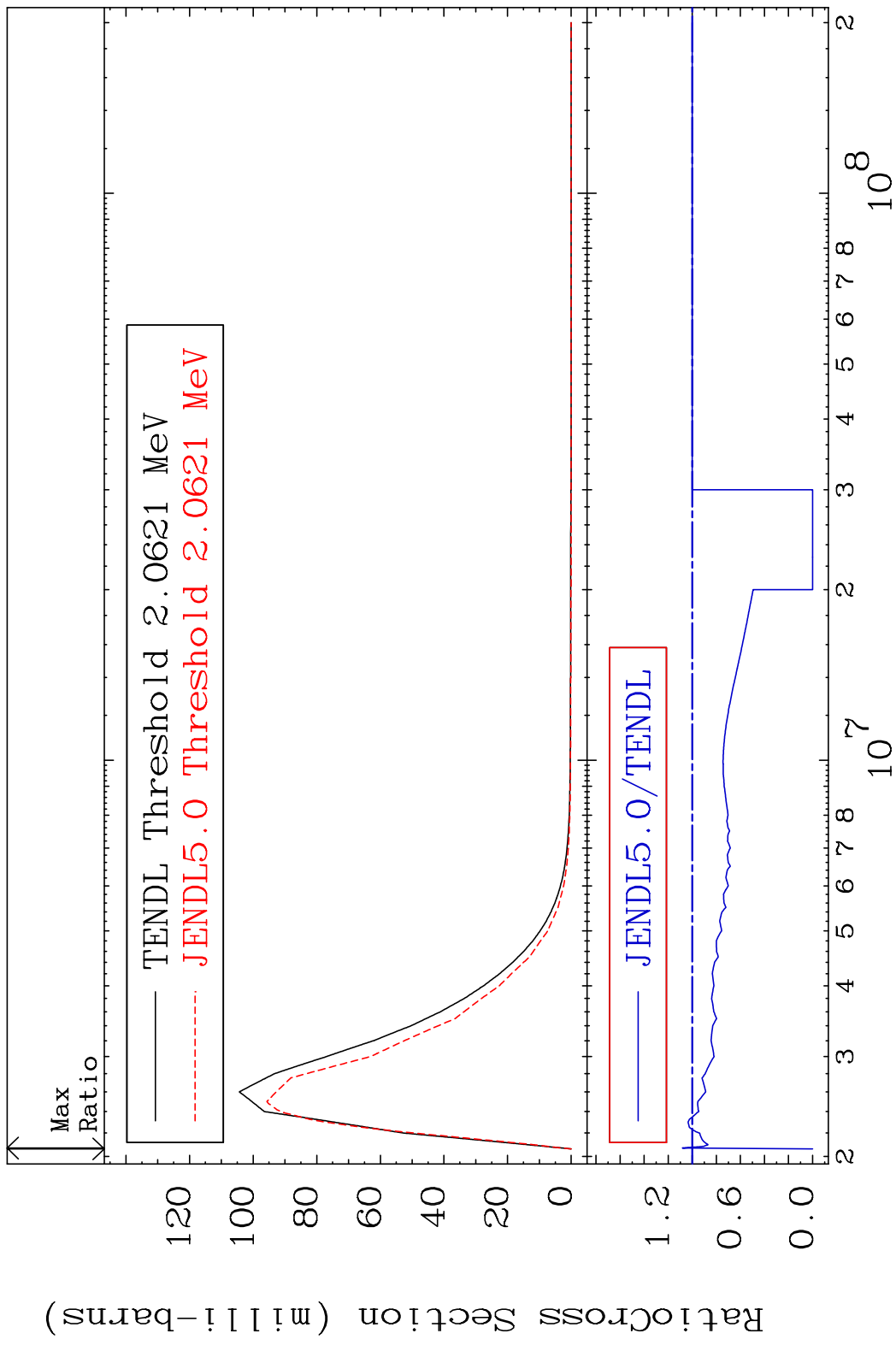
MAT 4034 MT= 65 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 2.619 %



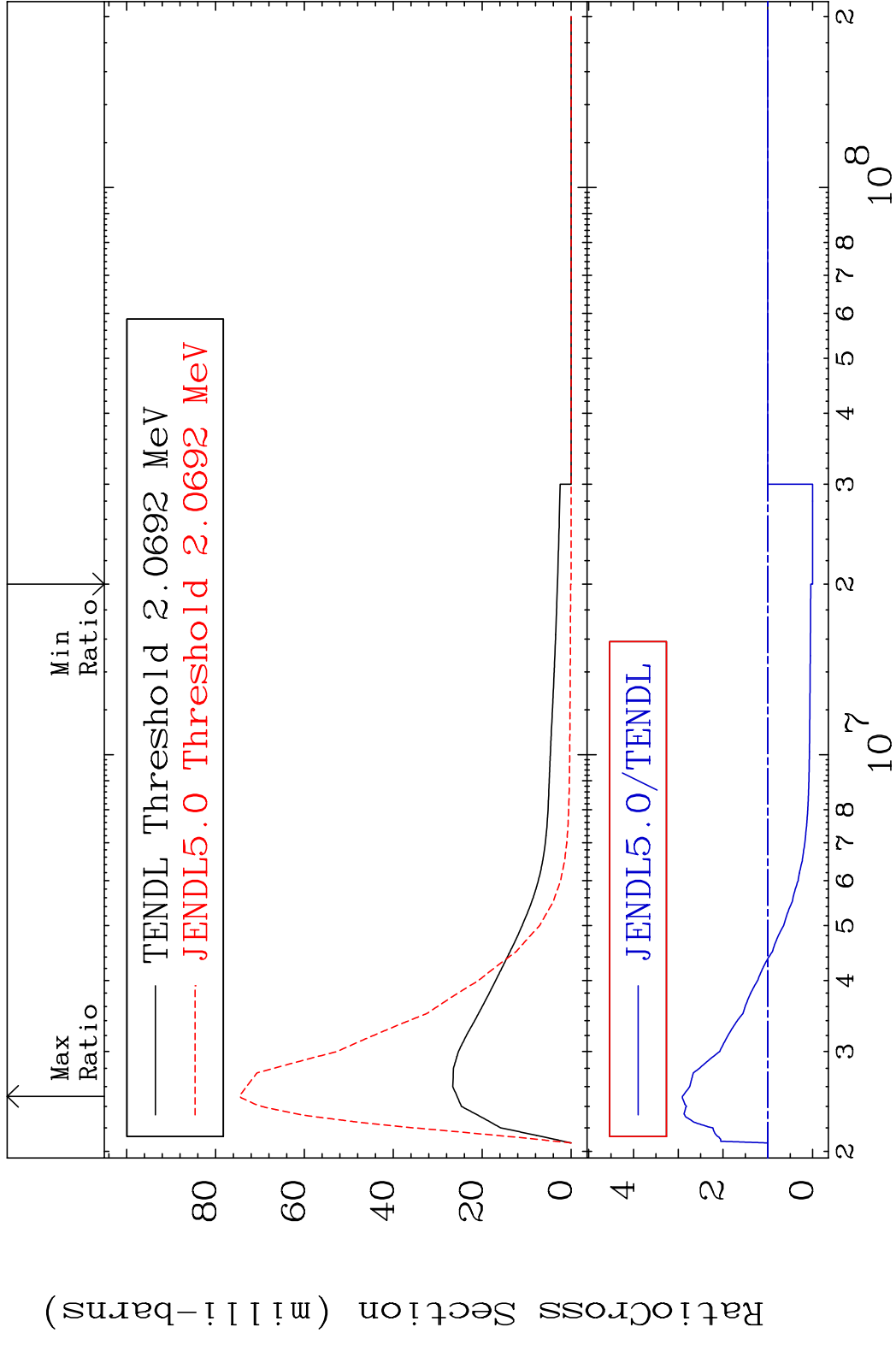
MAT 4034 MT= 66 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 9.232 %



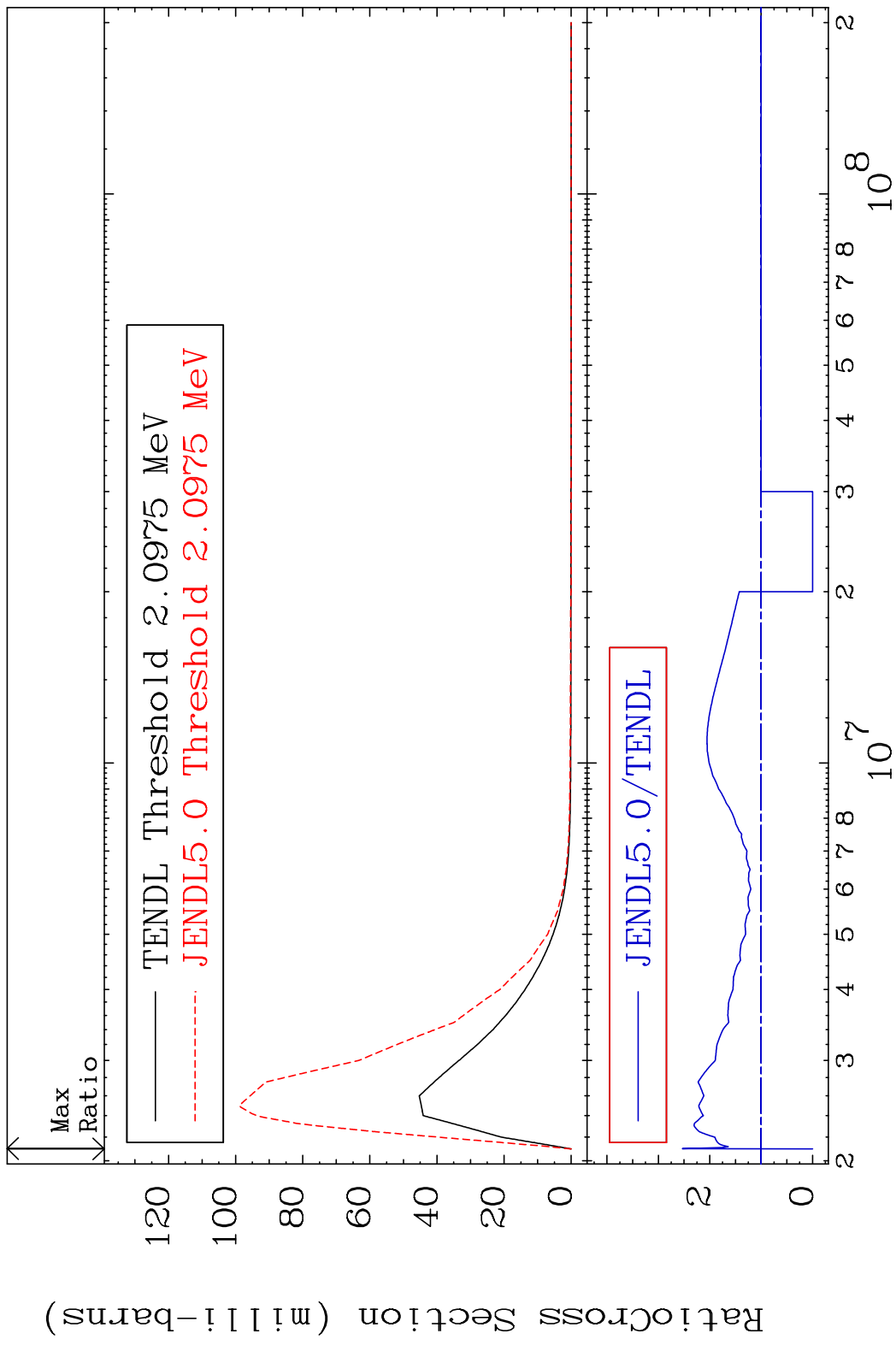
MAT 4034 MT= 67 (n,n') Level 40-Zr-93  
 Cross Section -100.0 To 8.251 %



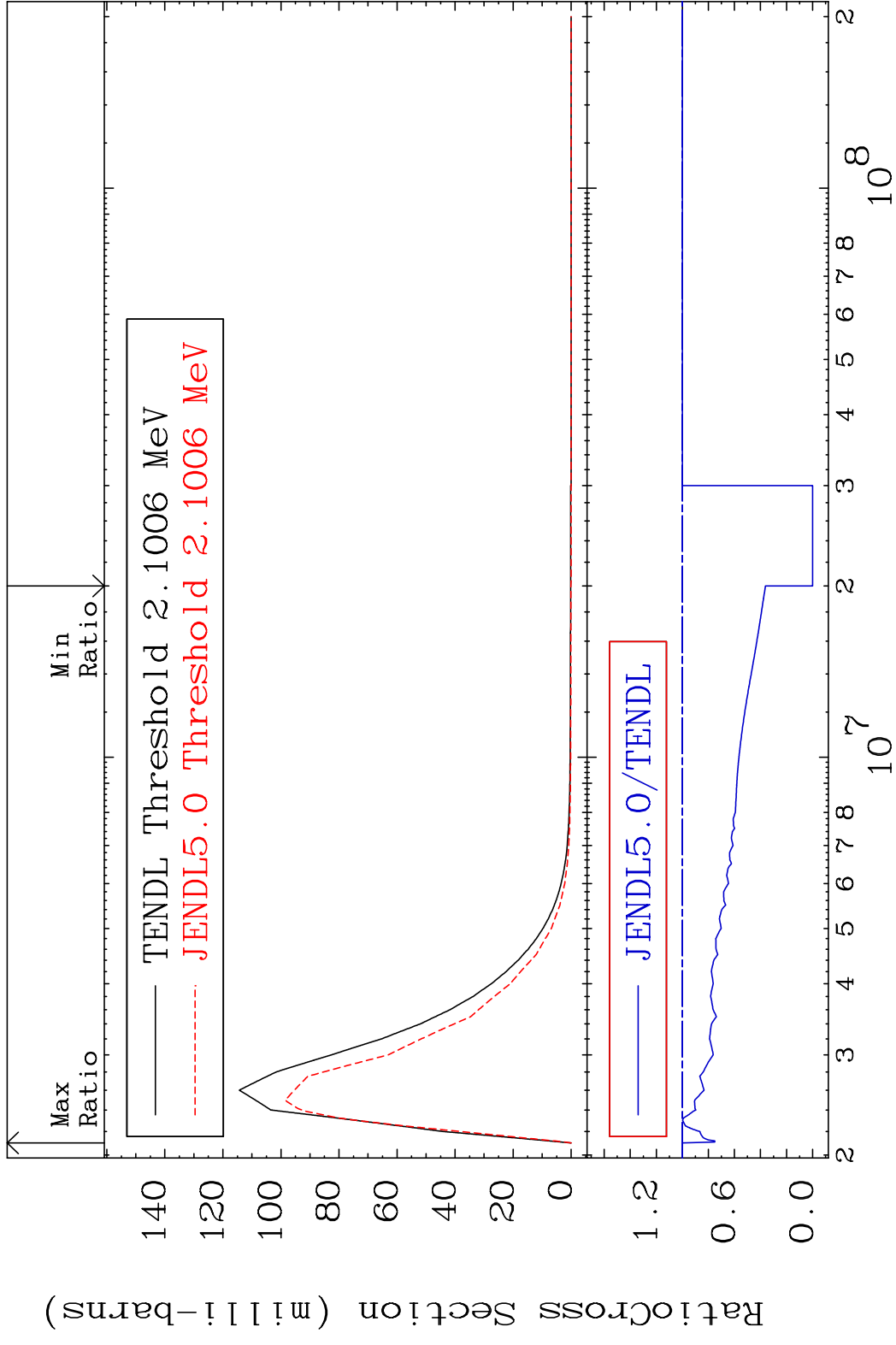
MAT 4034 MT= 68 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 190.8 %



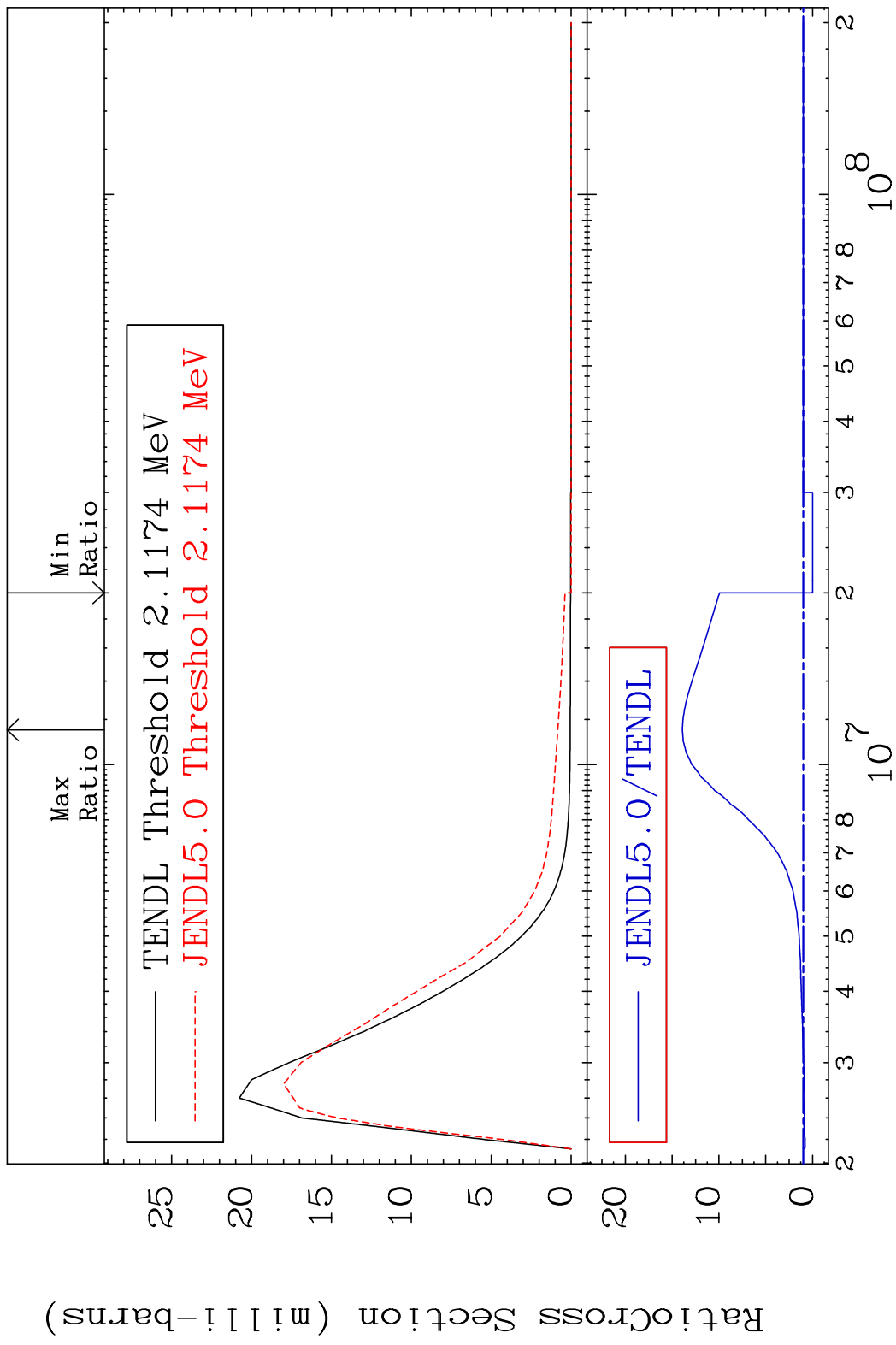
MAT 4034 MT= 69 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 153.3 %



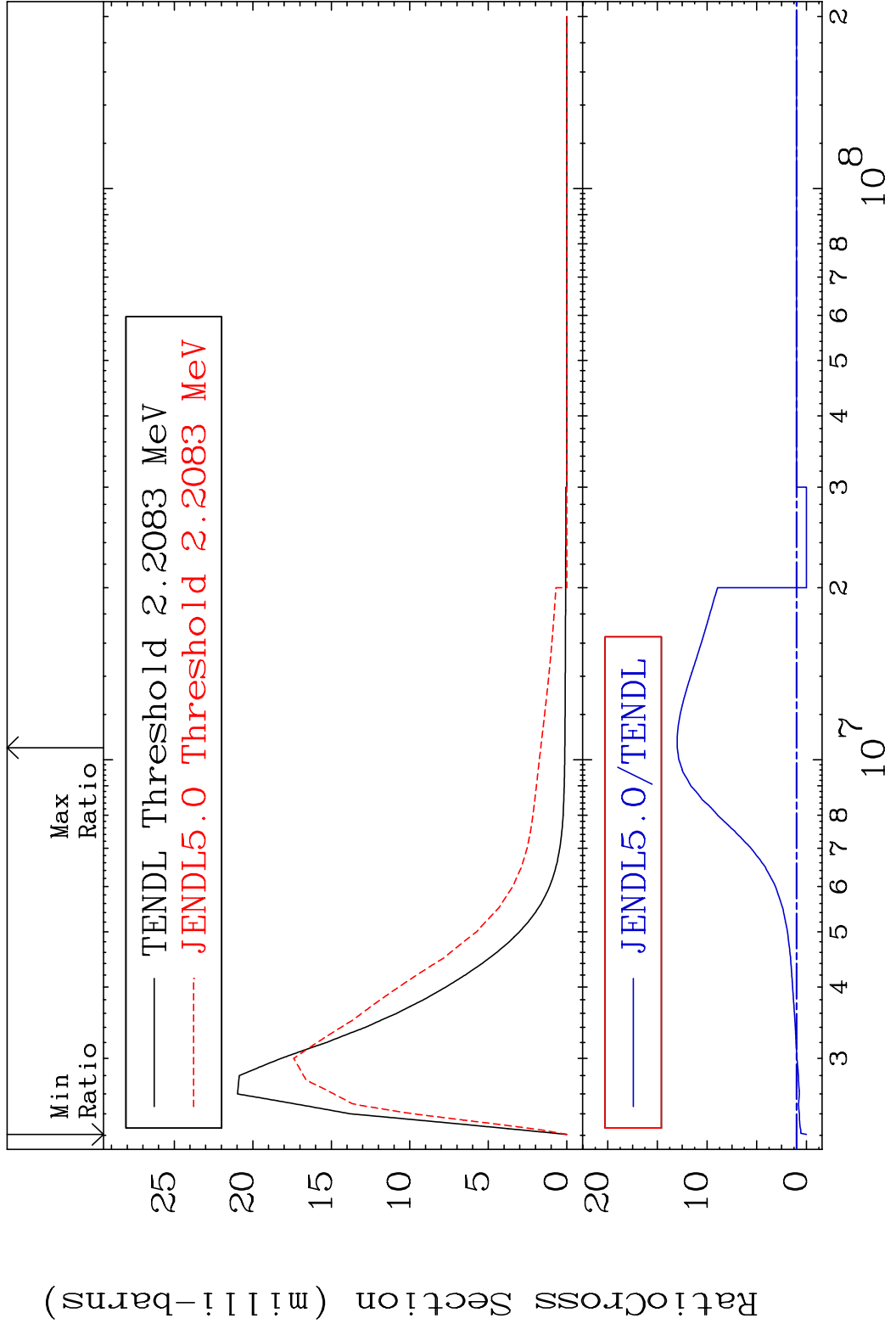
MAT 4034 MT= 70 (n,n') Level 40-Zr-93  
 Cross Section -100.0 To 0.000 %



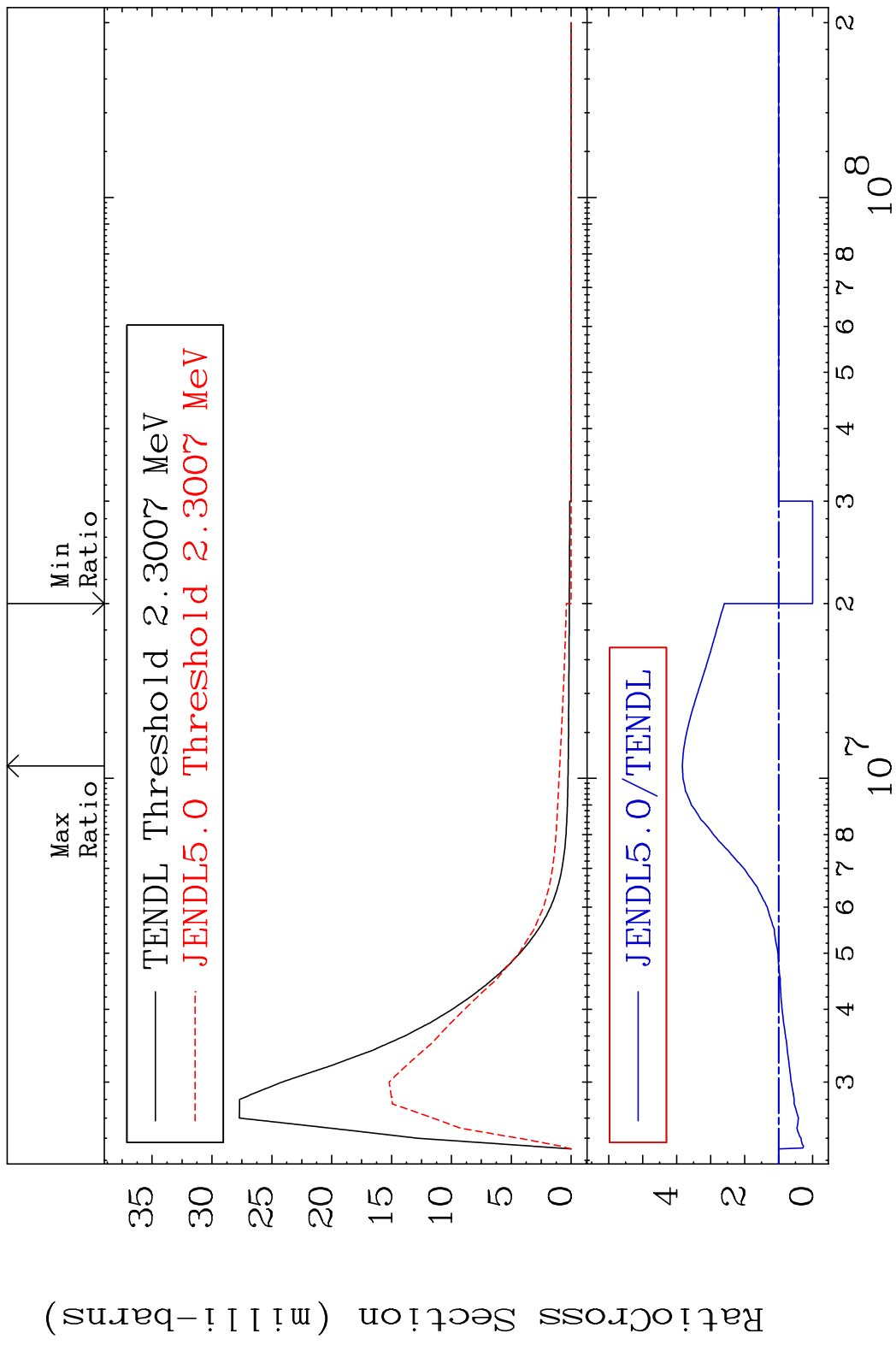
MAT 4034 MT= 71 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 1291. %



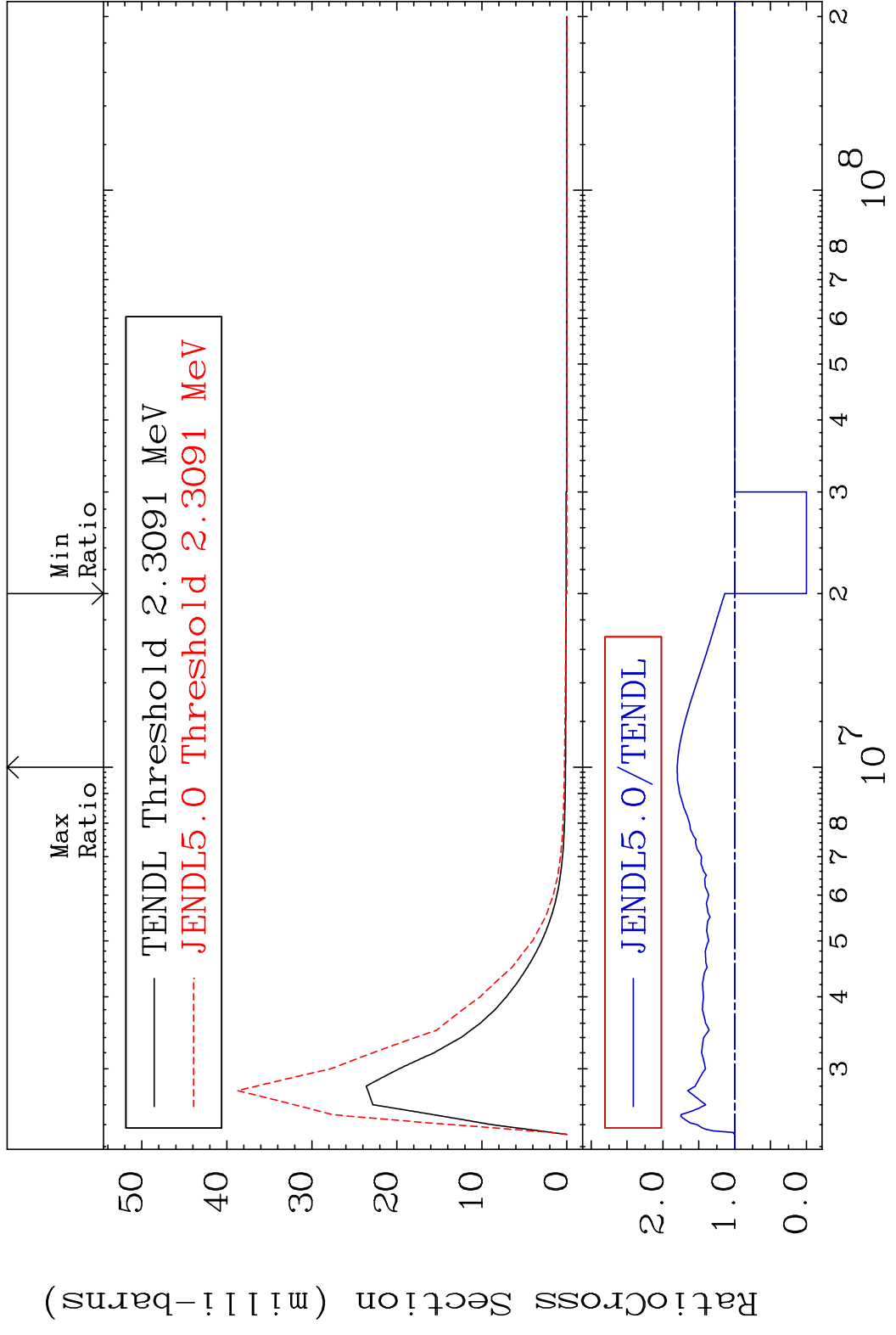
MAT 4034 MT= 72 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 1201. %



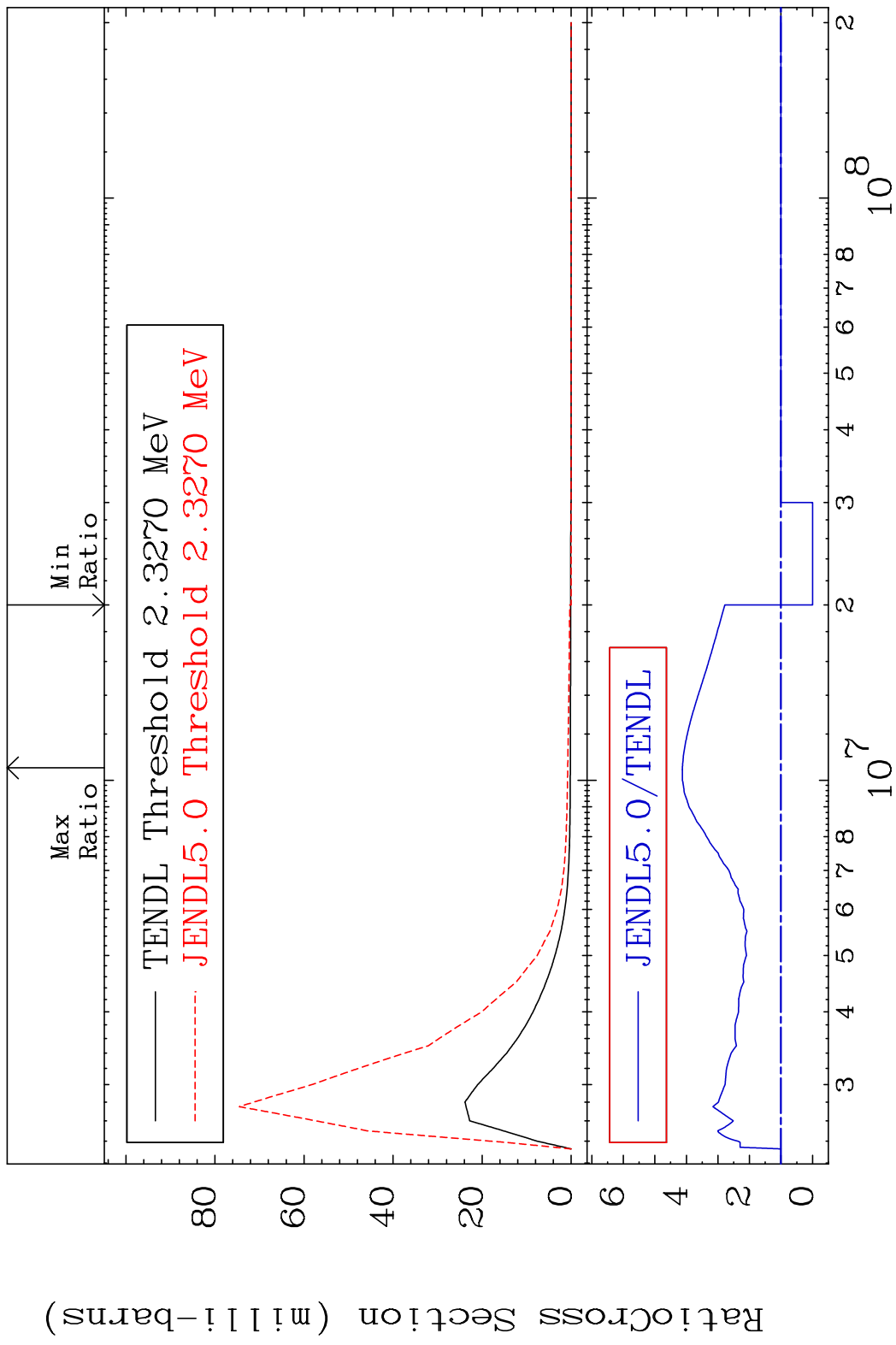
MAT 4034 MT= 73 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 283.2 %



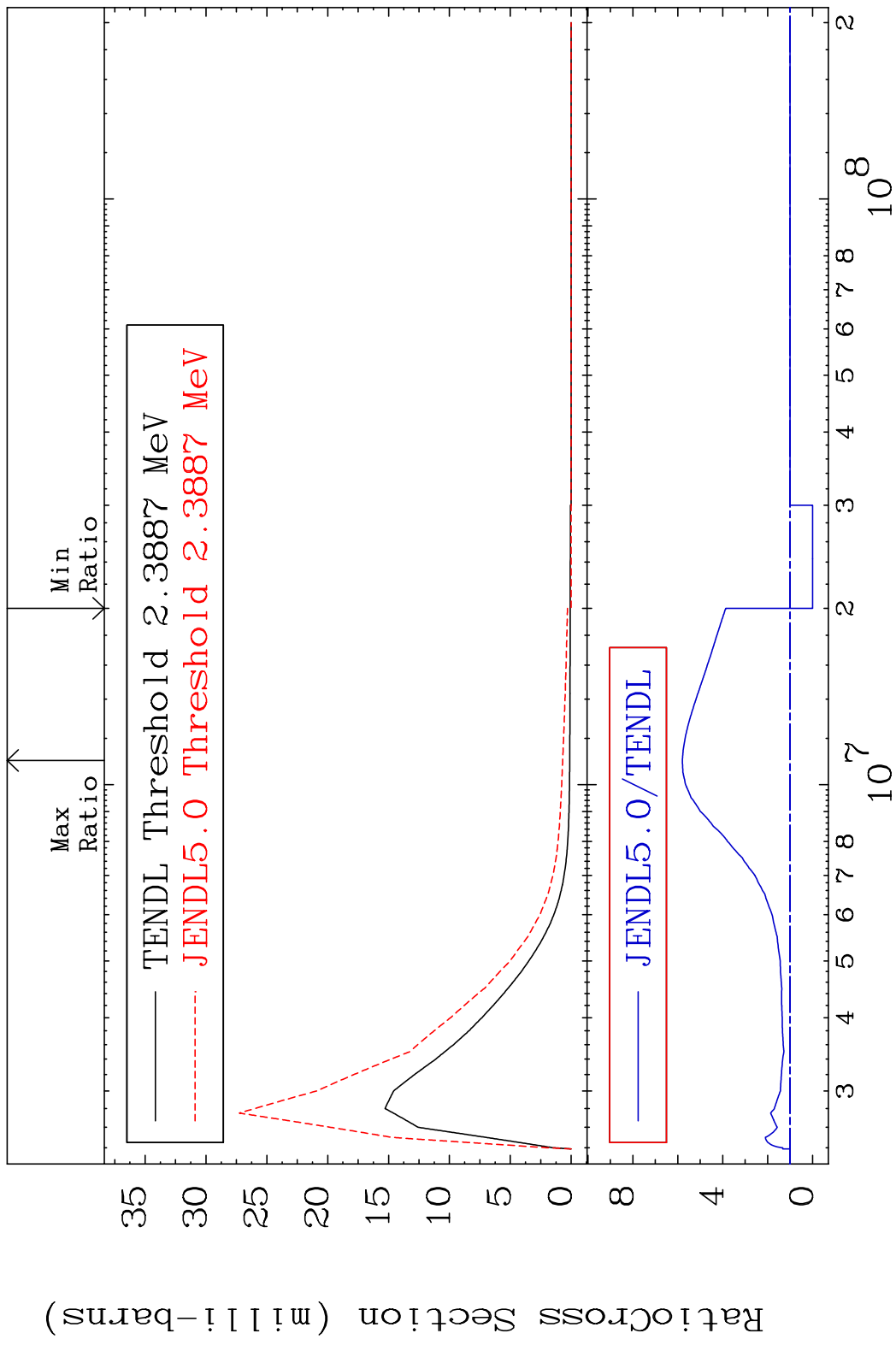
MAT 4034 MT= 74 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 80.10 %



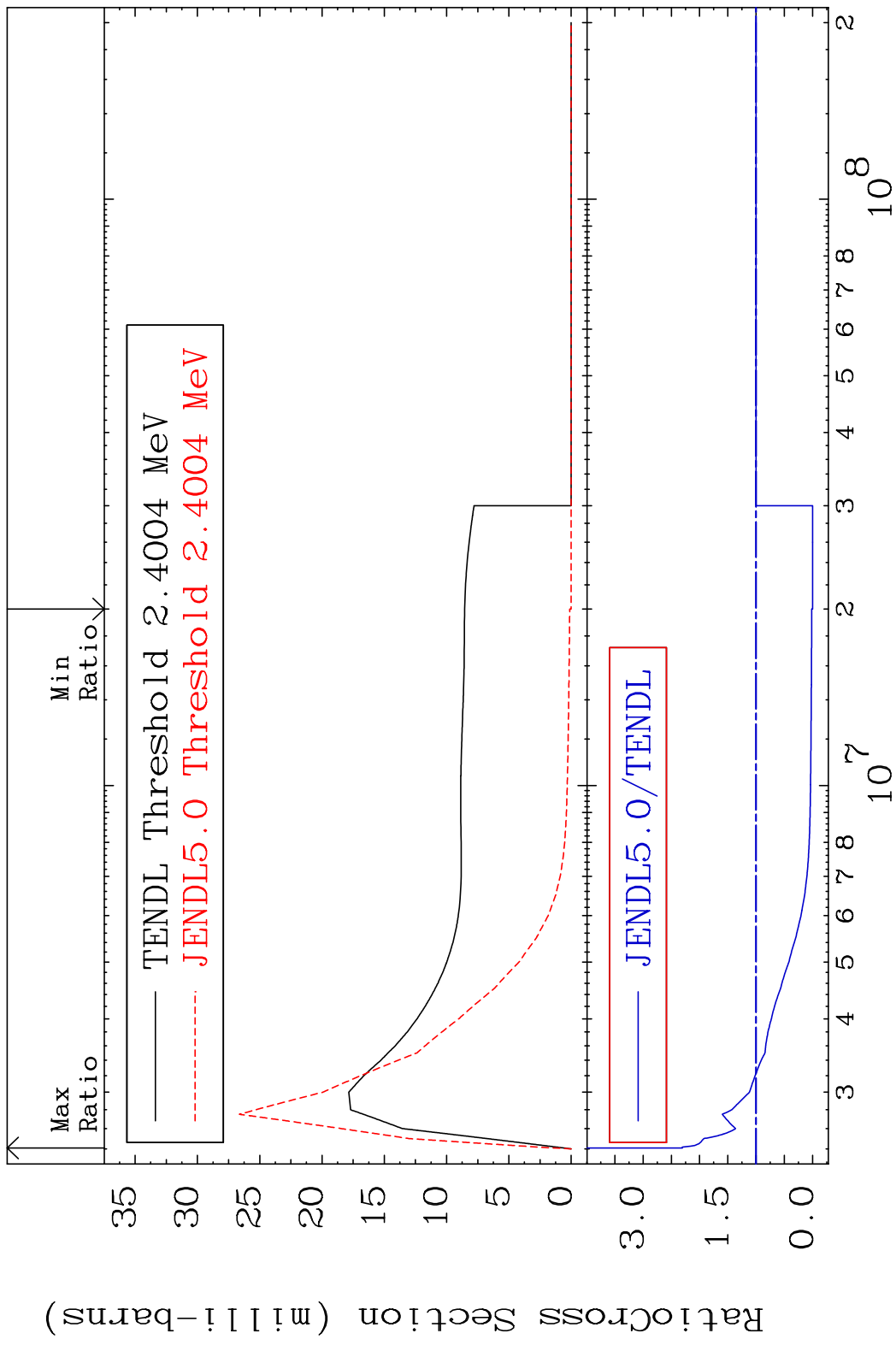
MAT 4034 MT= 75 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 312.8 %



MAT 4034 MT= 76 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 479.6 %

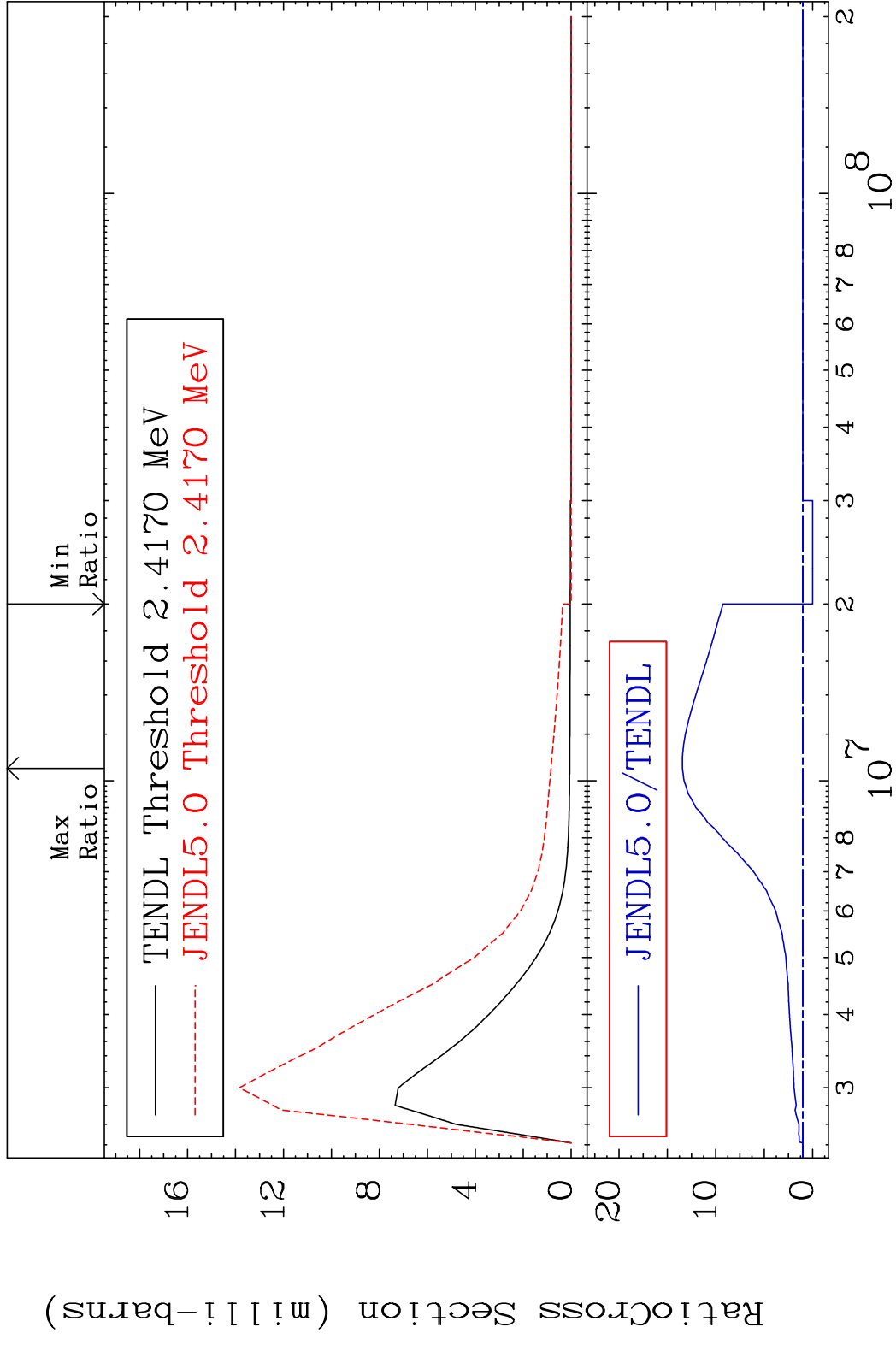


MAT 4034 MT= 77 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 130.5 %



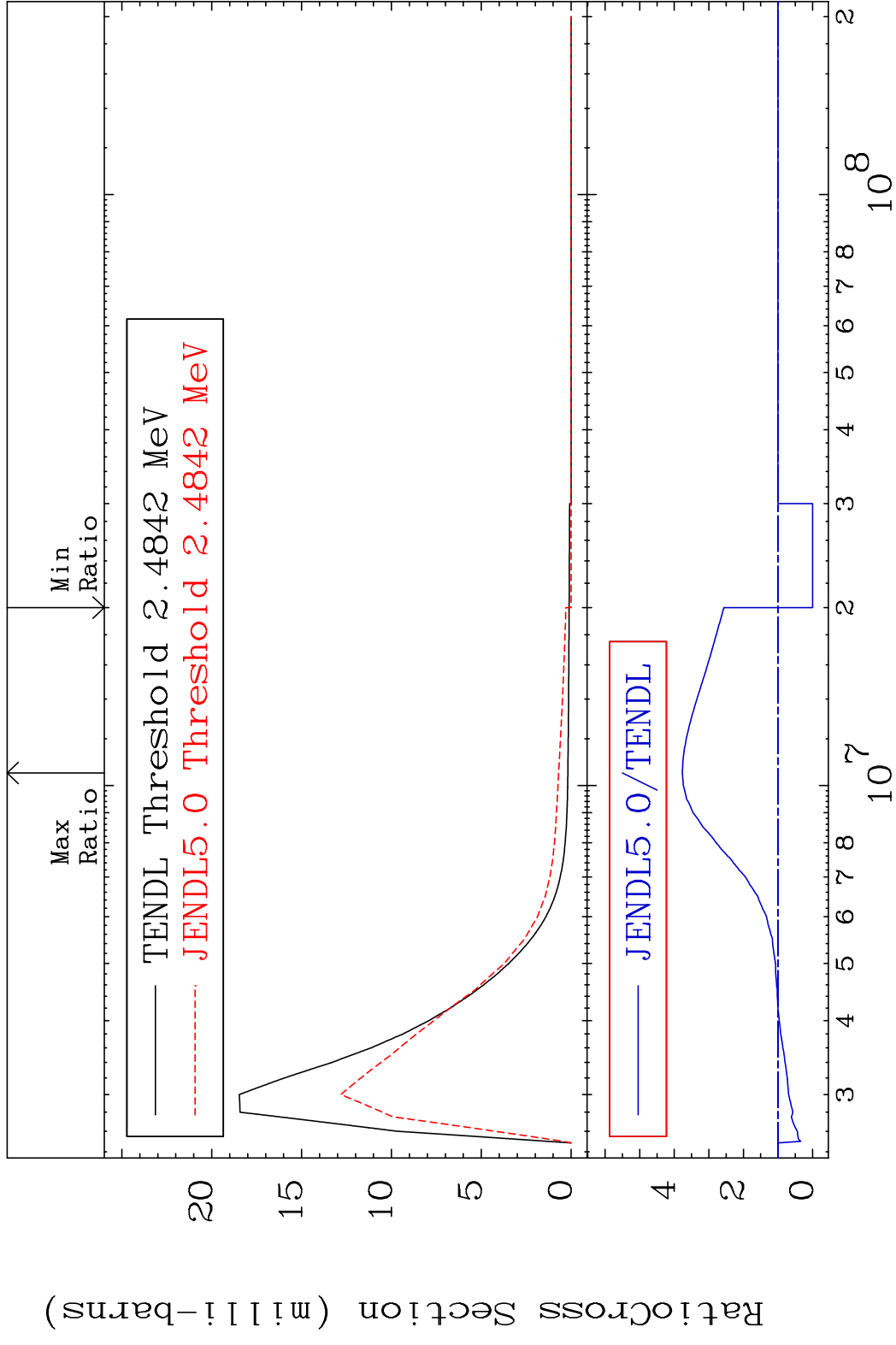
39 40-Zr-93

MAT 4034 MT= 78 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 1245. %



40 3 4 5 6 7 8 10<sup>7</sup> 10<sup>8</sup> 2

MAT 4034 MT= 79 (n, n') Level 40-Zr-93  
 Cross Section -100.0 To 276.6 %

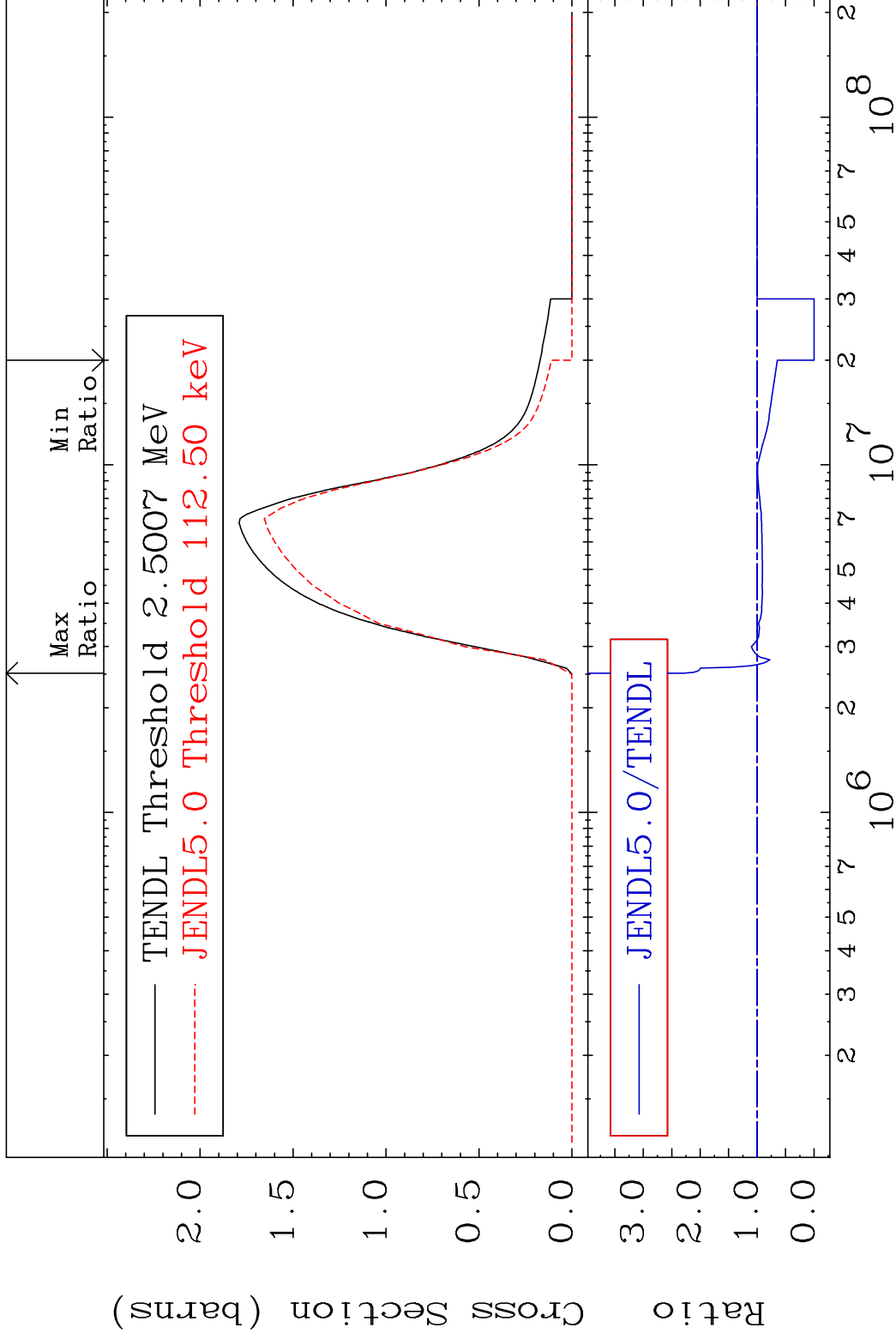


MAT 4034

(n, n') Continuum

40-Zr-93

Cross Section -100.0 To 129.4 %



42

Incident Energy (eV)

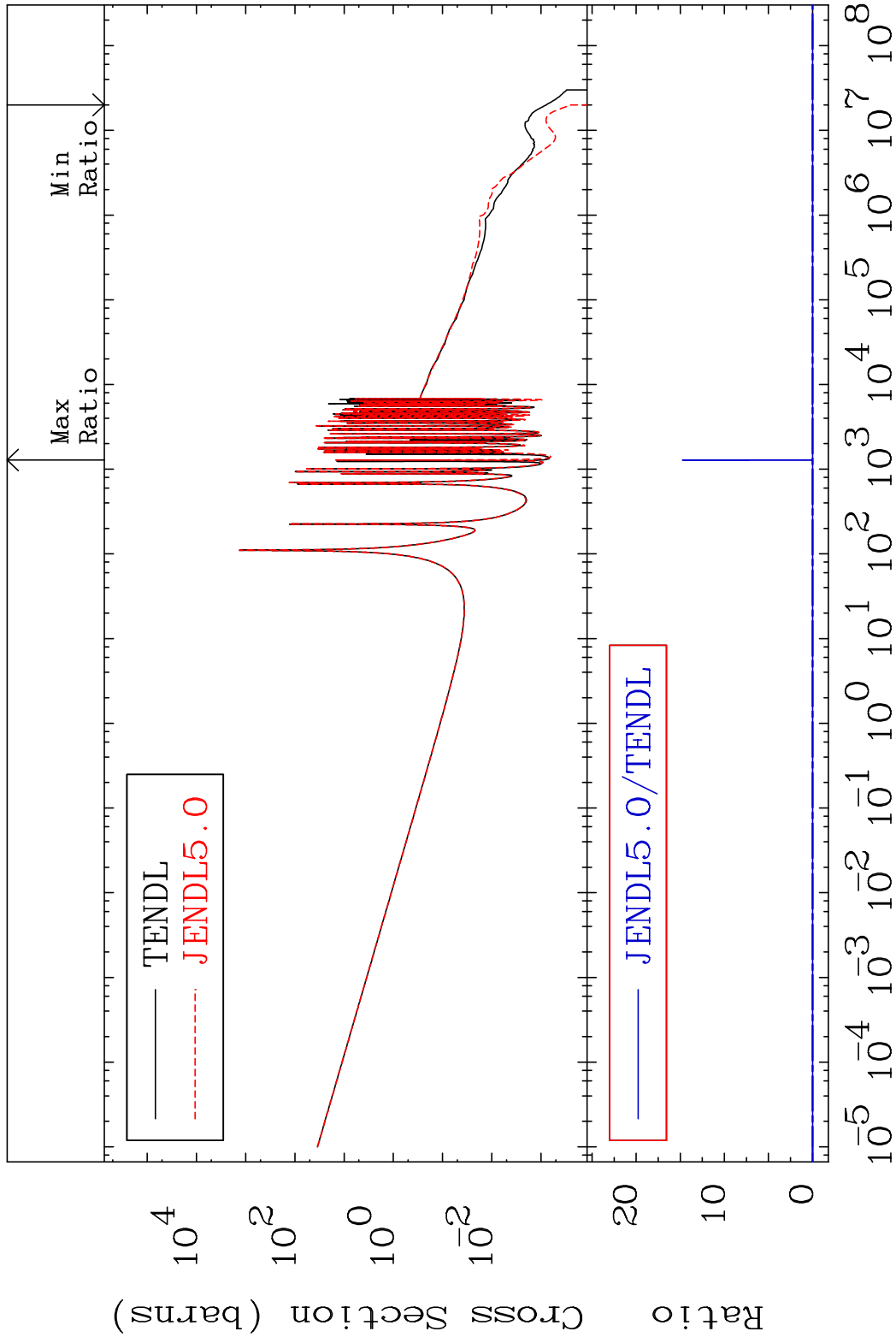
40-Zr-93

MAT 4034

(n,  $\gamma$ )

40-Zr-93

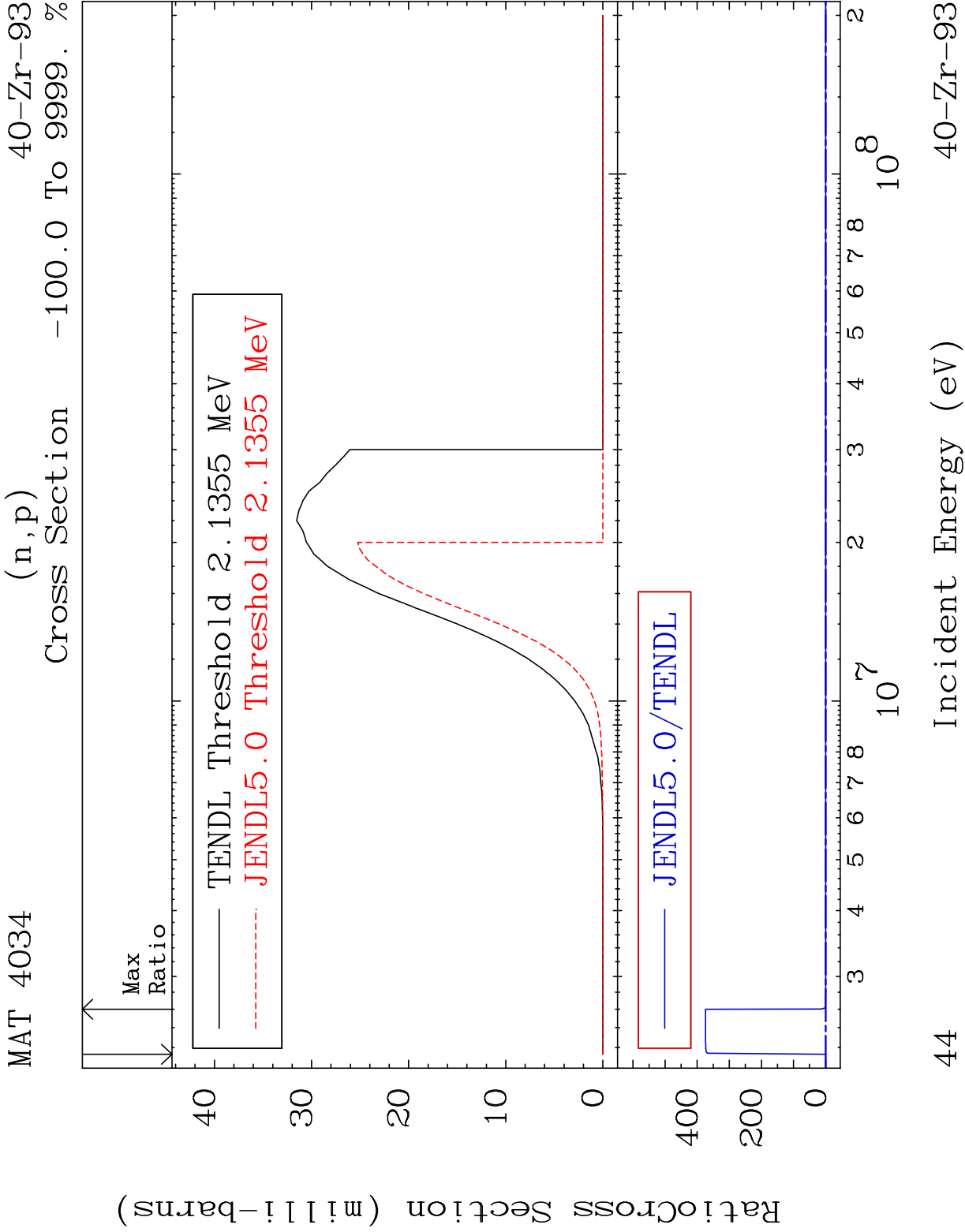
Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

40-Zr-93

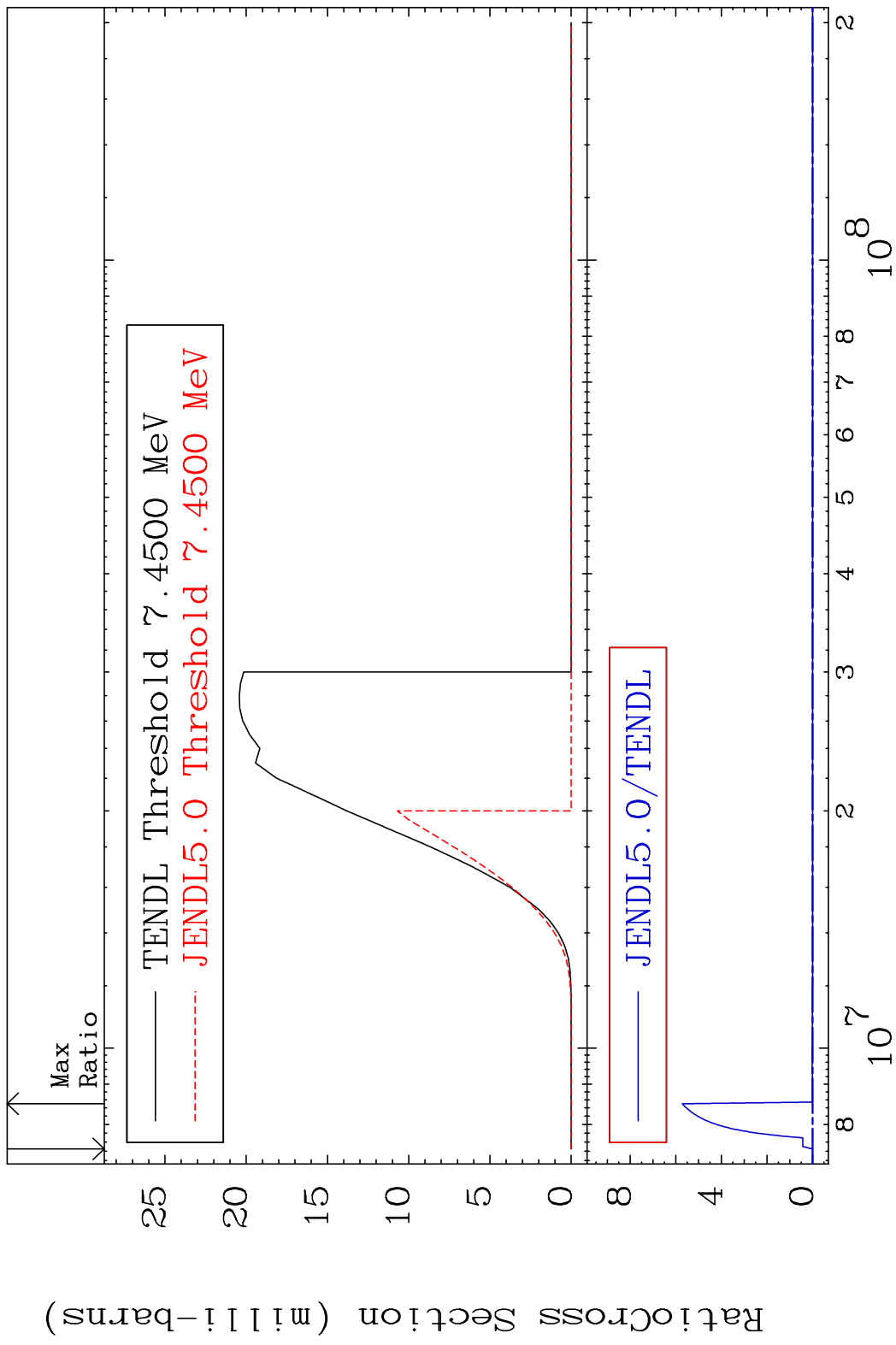


MAT 4034

(n,d)

40-Zr-93

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

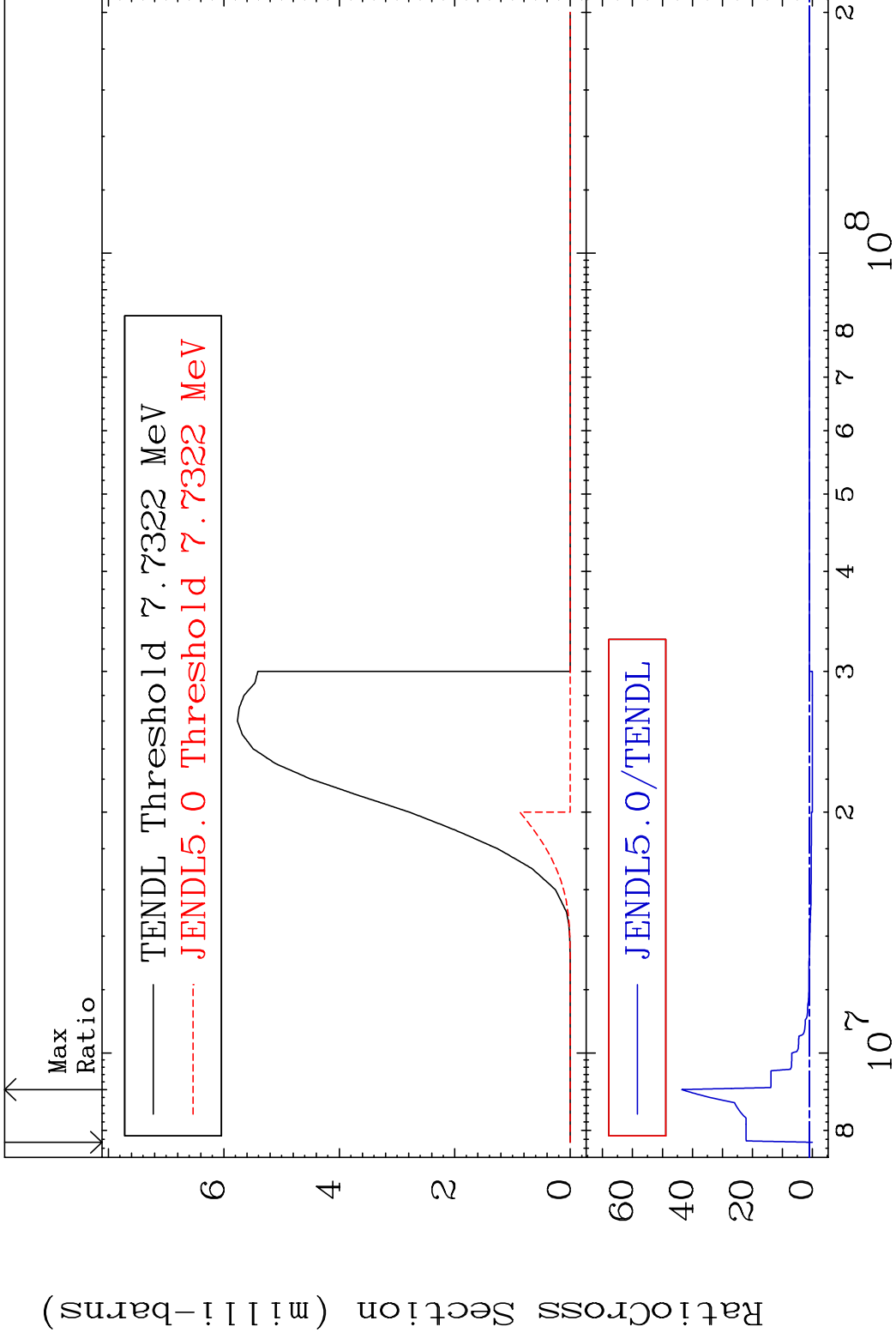
40-Zr-93

MAT 4034

(n, t)

40-Zr-93

Cross Section -100.0 To 4256. %



46

Incident Energy (eV)

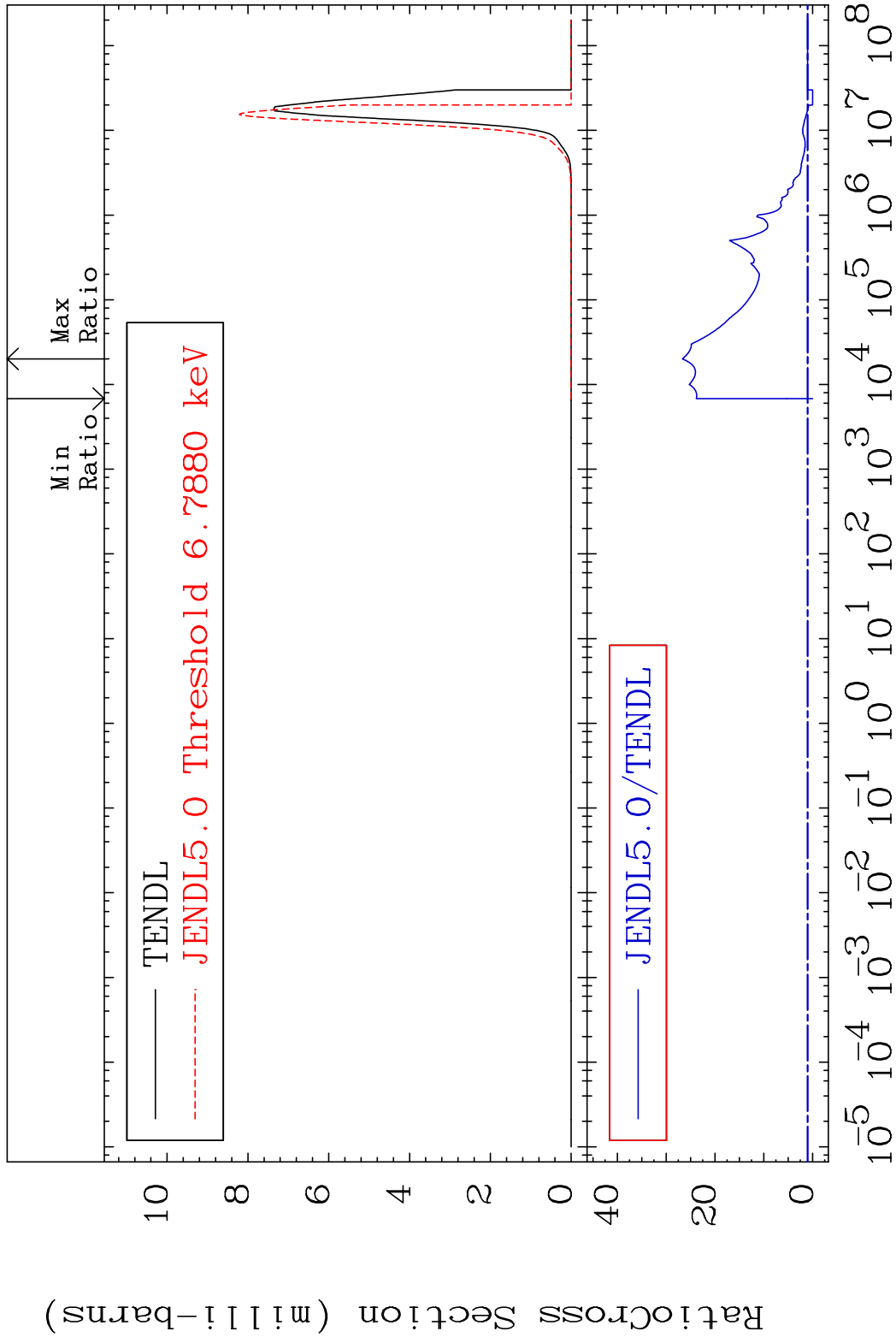
40-Zr-93

MAT 4034

(n,  $\alpha$ )

40-Zr-93

Cross Section -100.0 To 2568. %

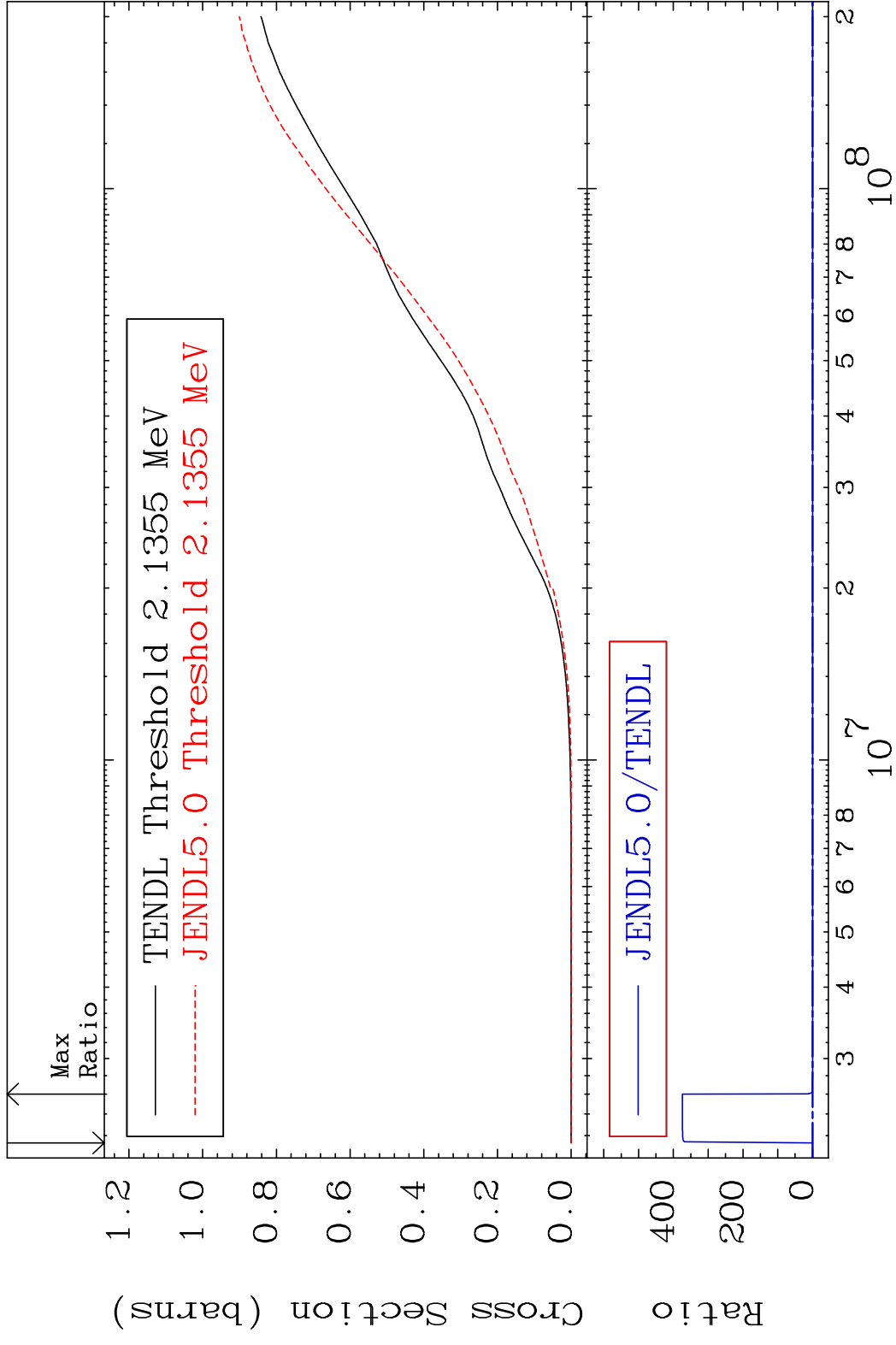


47

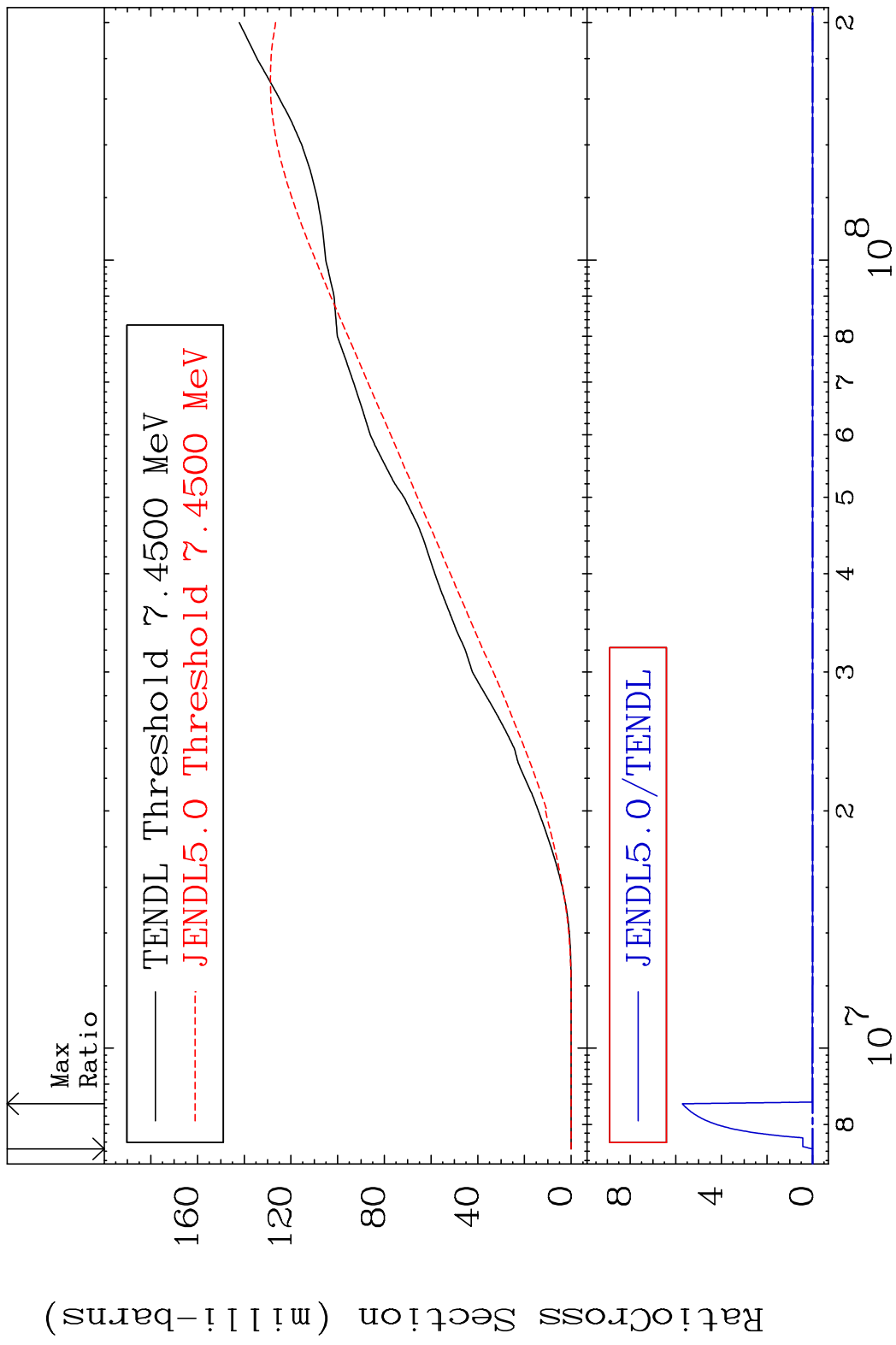
Incident Energy (eV)

40-Zr-93

MAT 4034 Hydrogen Production 40-Zr-93  
 Cross Section -100.0 To 9999. %

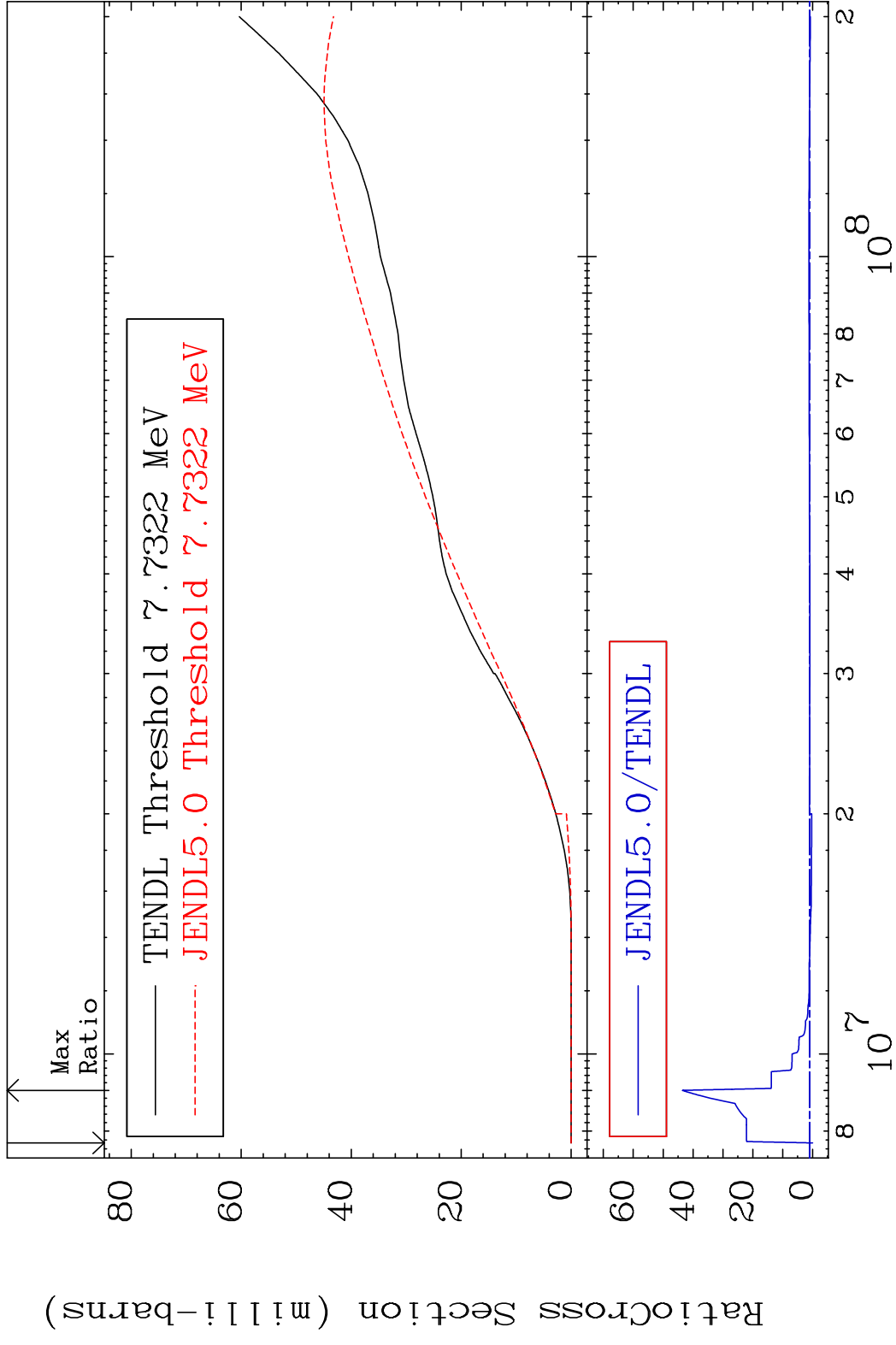


MAT 4034 Deuterium Production 40-Zr-93  
 Cross Section -100.0 To 9999. %



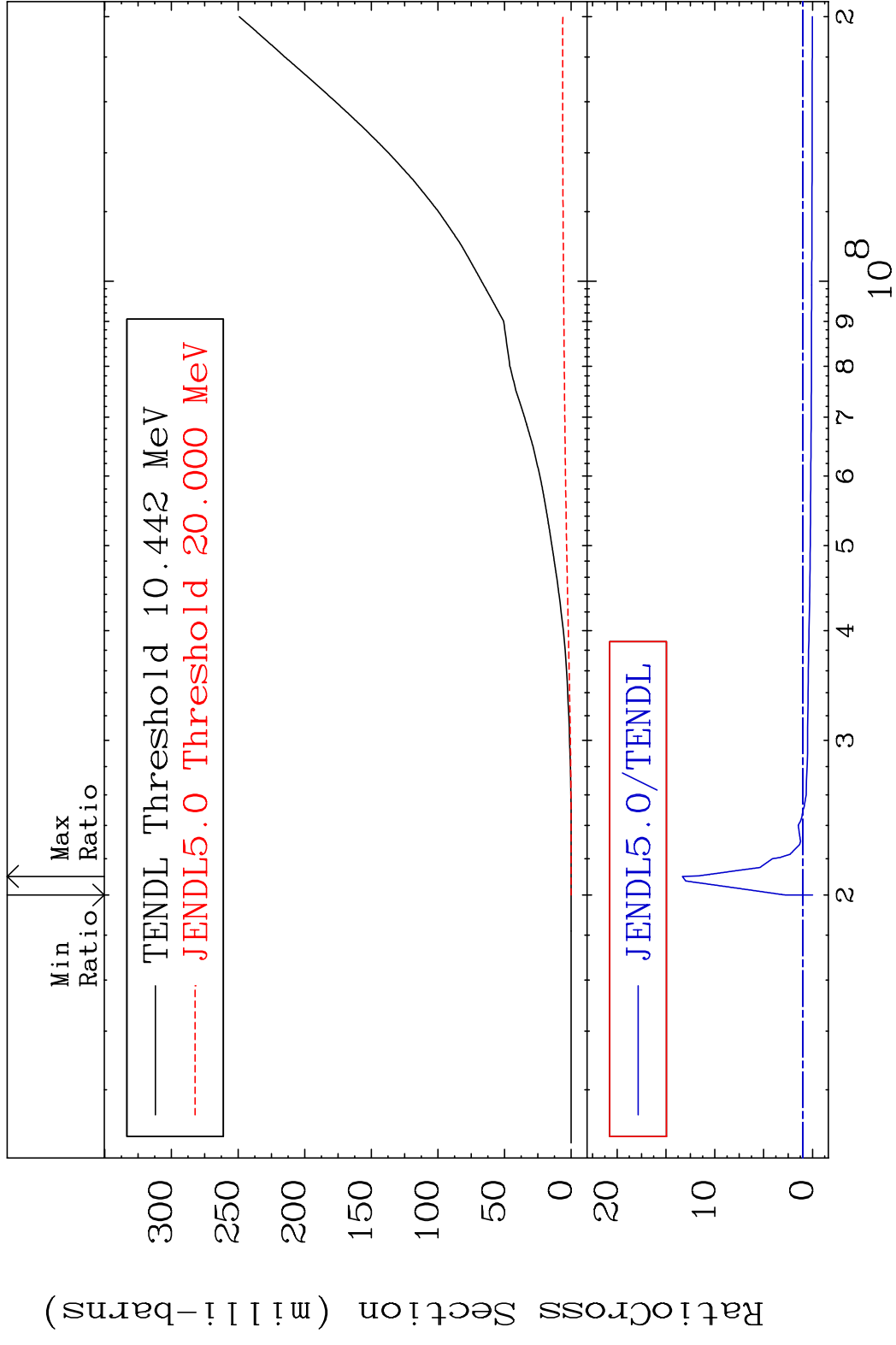
49 40-Zr-93

MAT 4034 Tritium Production 40-Zr-93  
 Cross Section -100.0 To 4256. %



50 40-Zr-93

MAT 4034 He-3 Production 40-Zr-93  
 Cross Section -100.0 To 1232. %



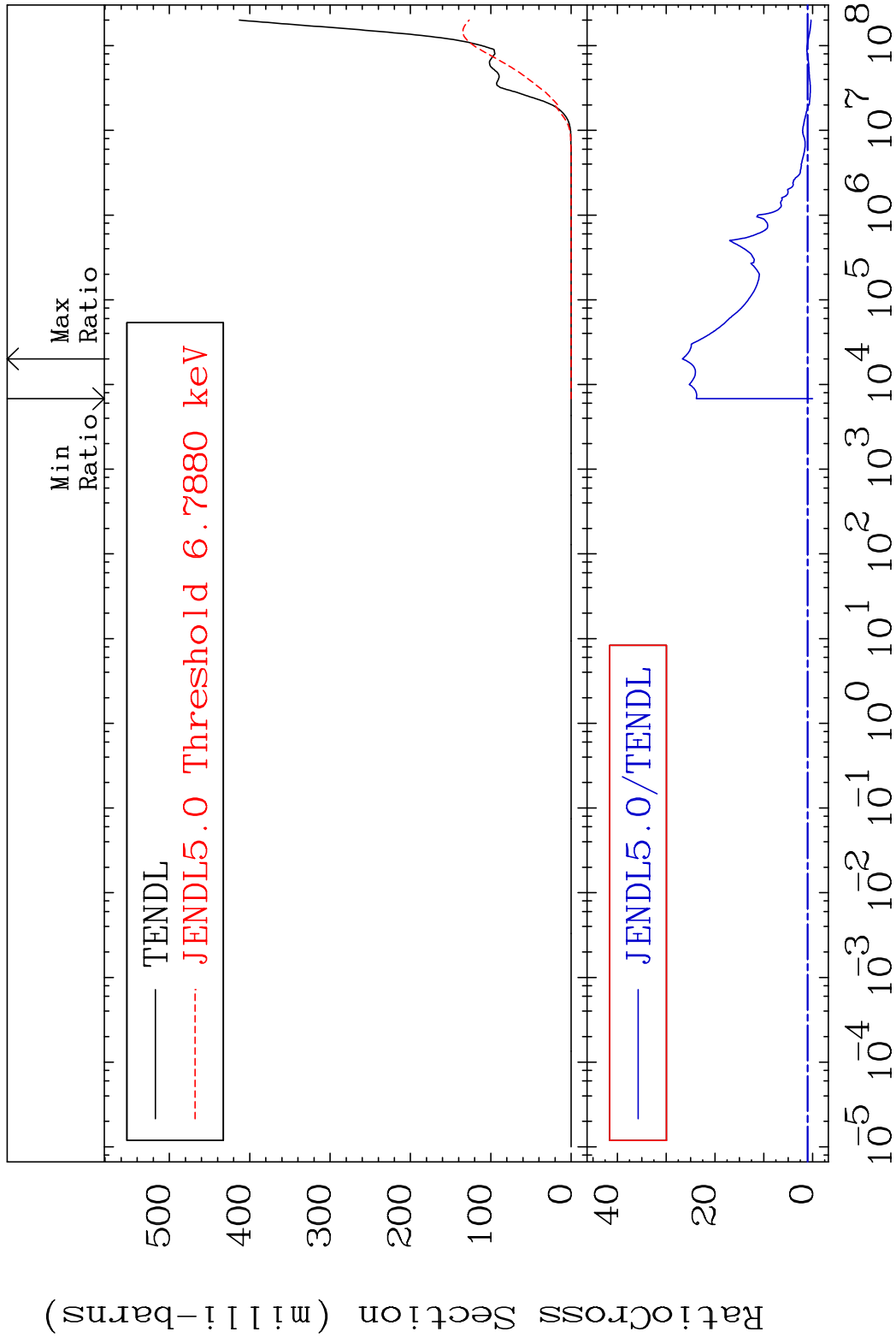
51 Incident Energy (eV) 40-Zr-93

MAT 4034

He-4 Production

40-Zr-93

Cross Section -100.0 To 2568. %

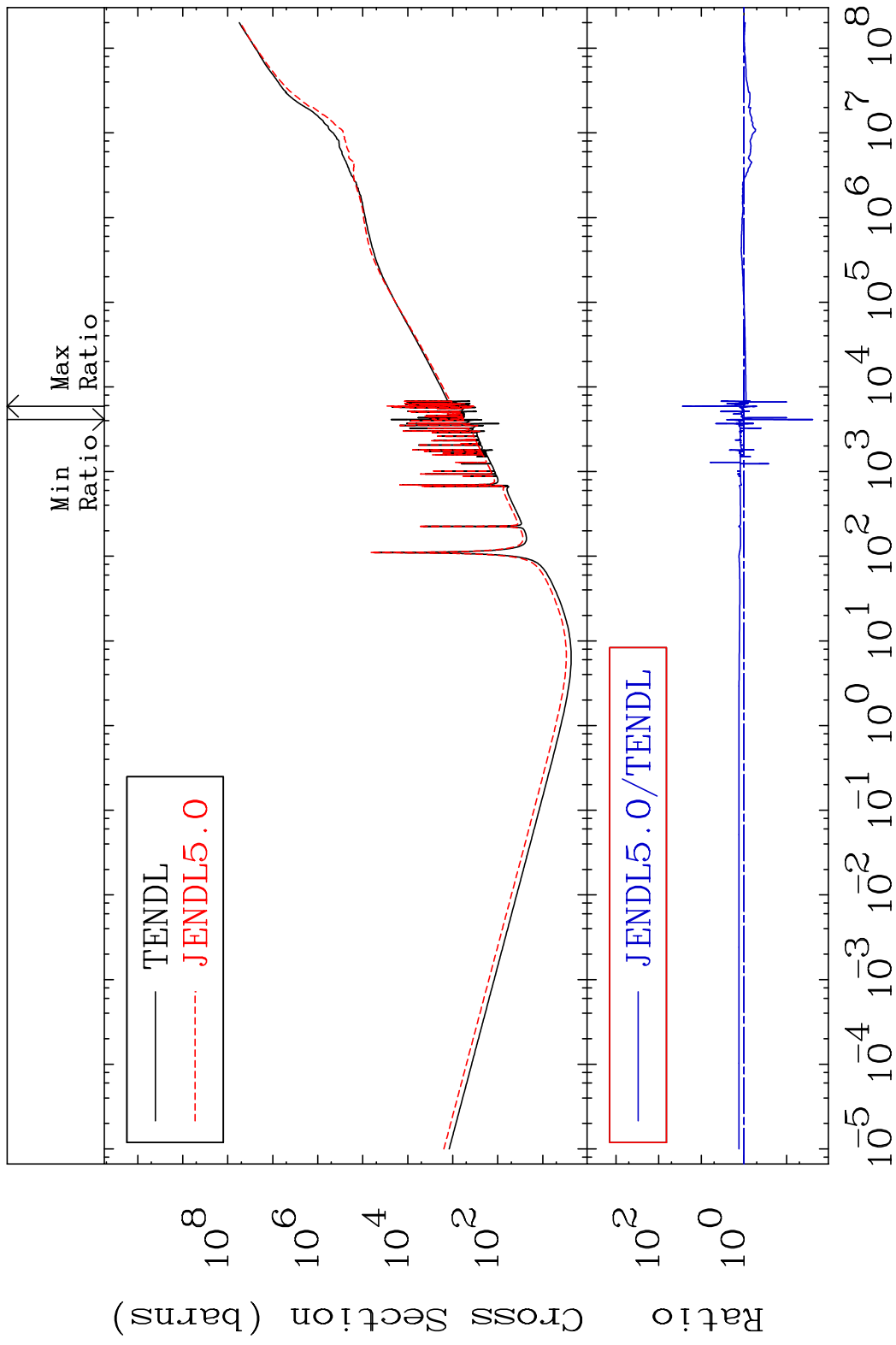


52

Incident Energy (eV)

40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93  
 Cross Section -97.55 To 2673. %



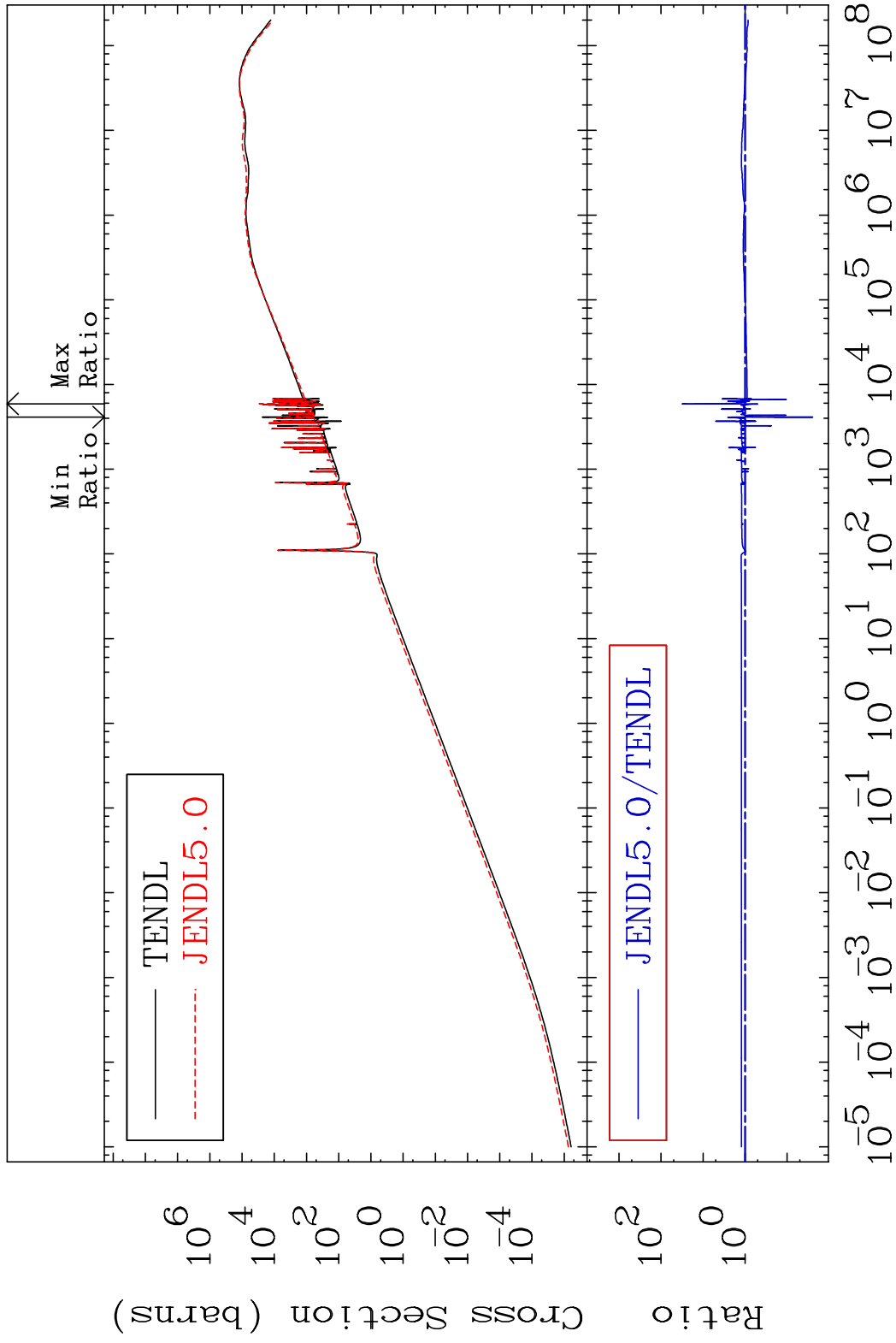
53 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic  
Cross Section

40-Zr-93

-97.52 To 3008. %

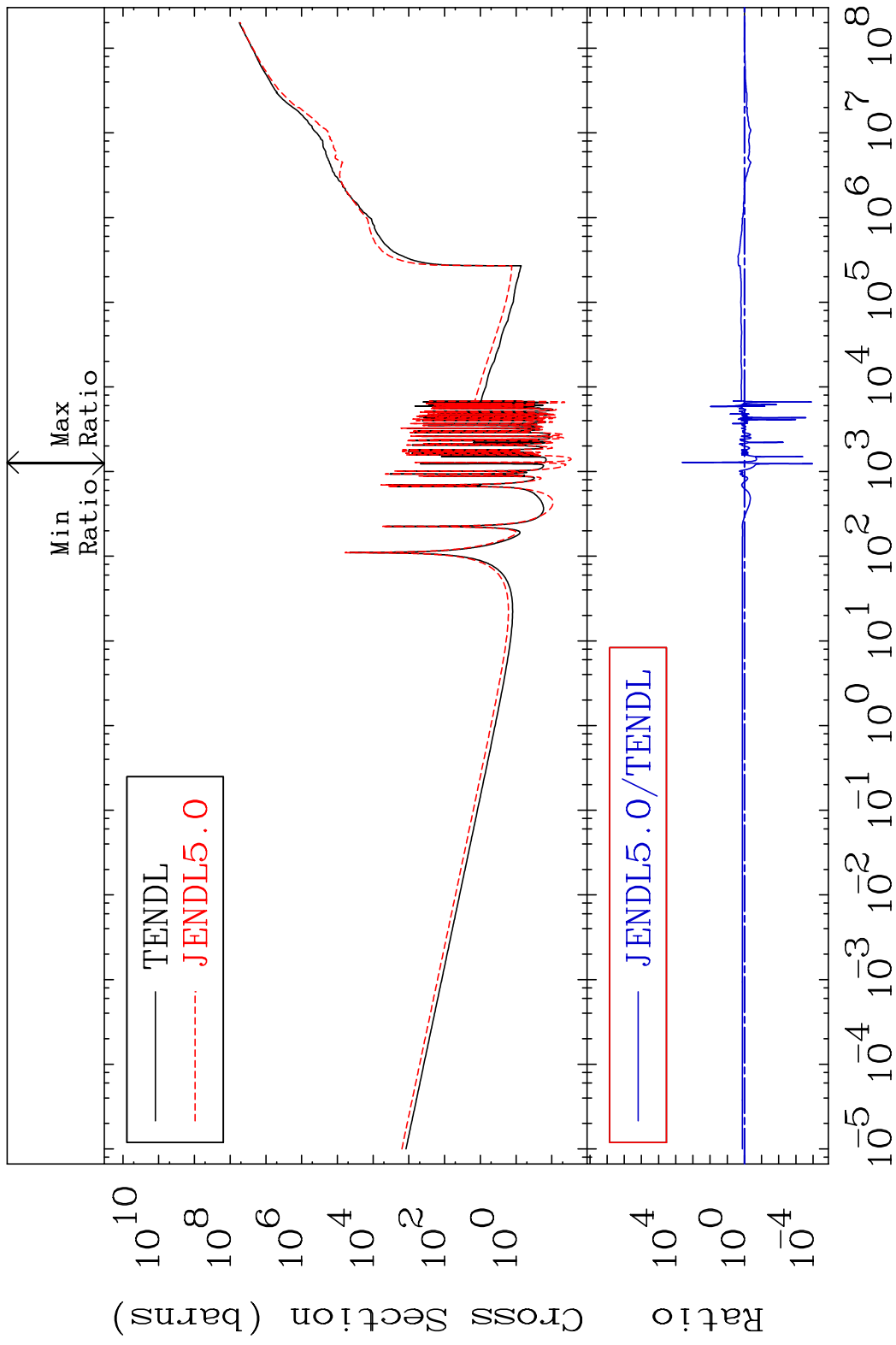


54

Incident Energy (eV)

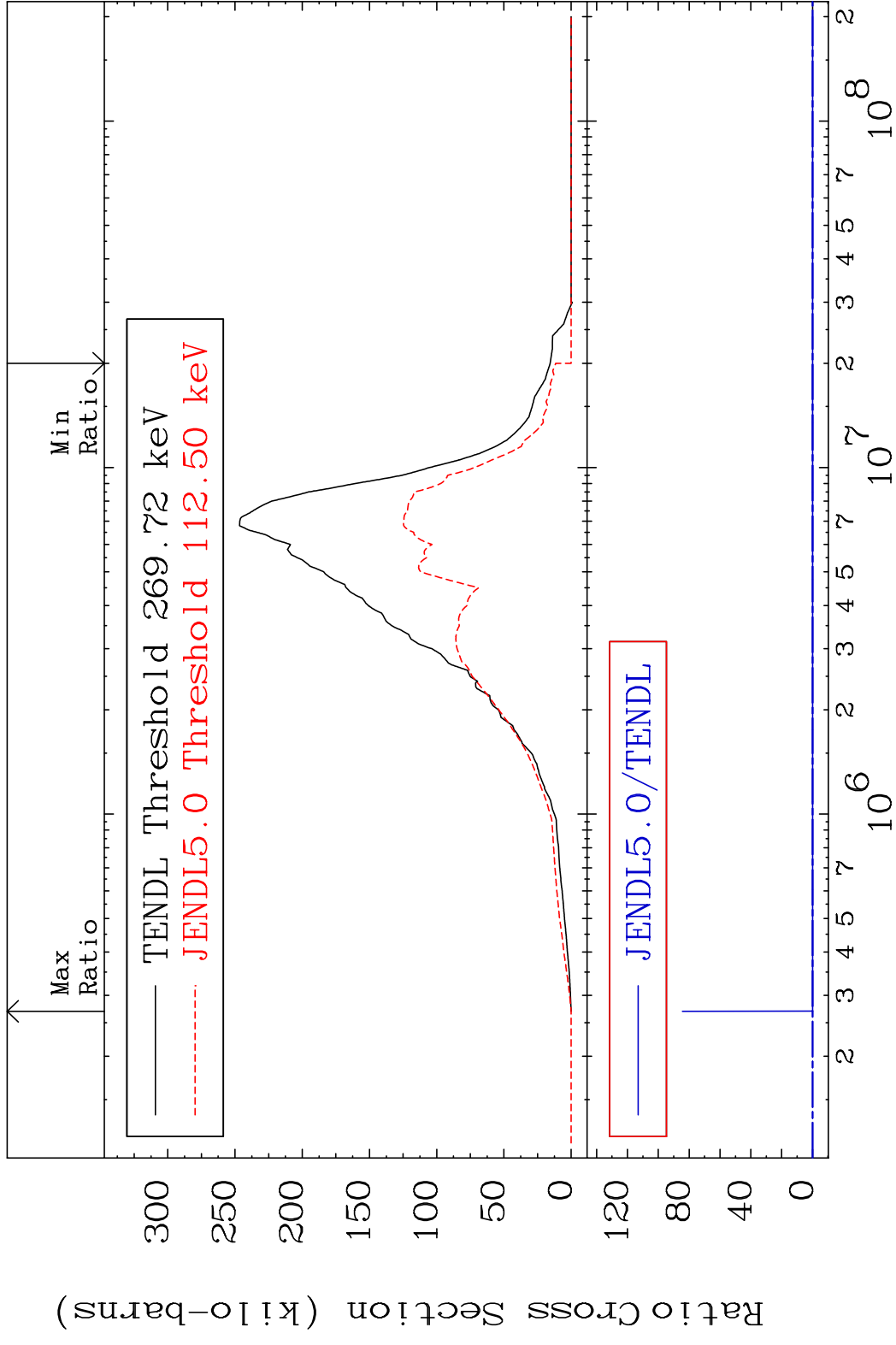
40-Zr-93

MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93  
Cross Section -99.99 To 9999. %

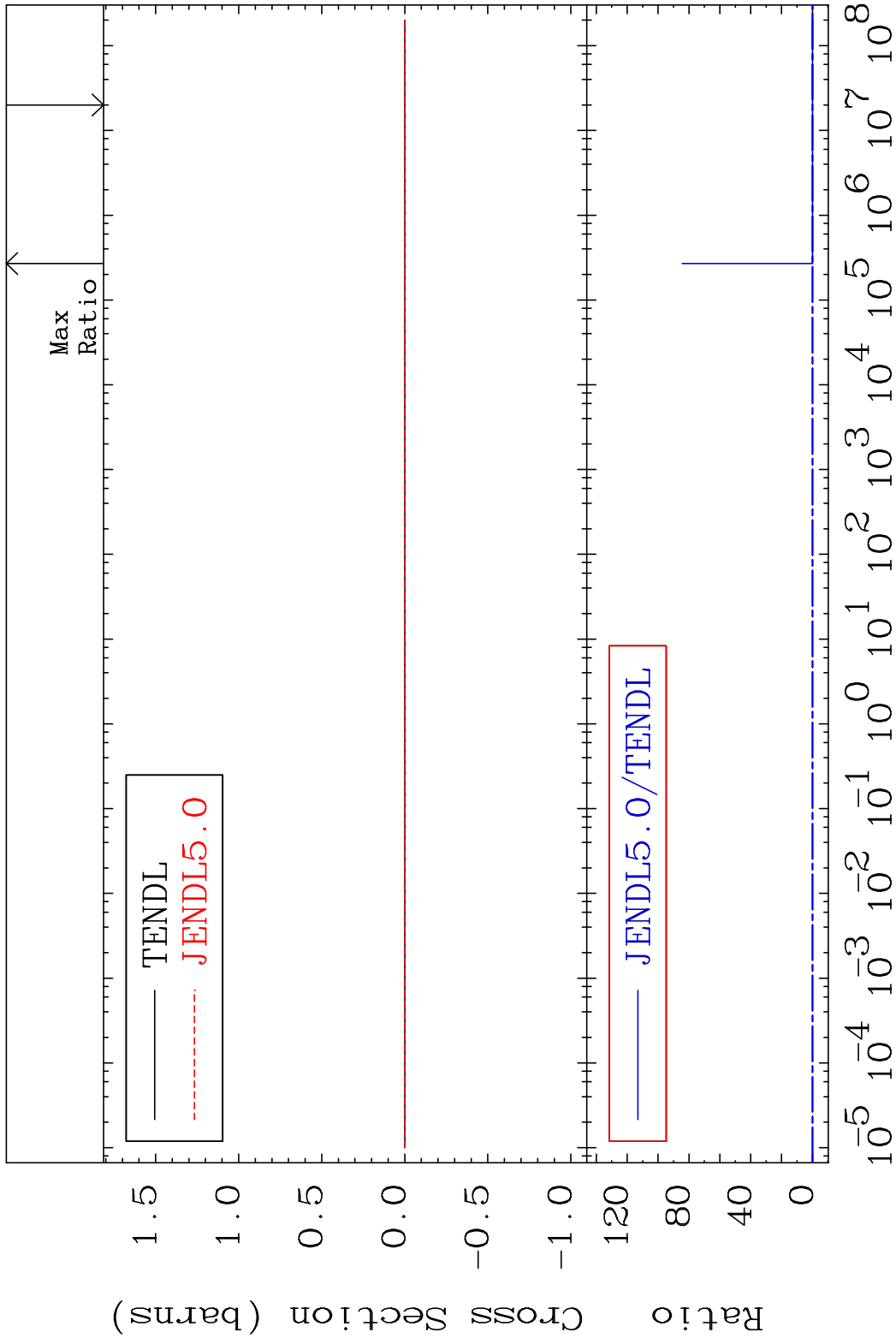


55 Incident Energy (eV) 40-Zr-93

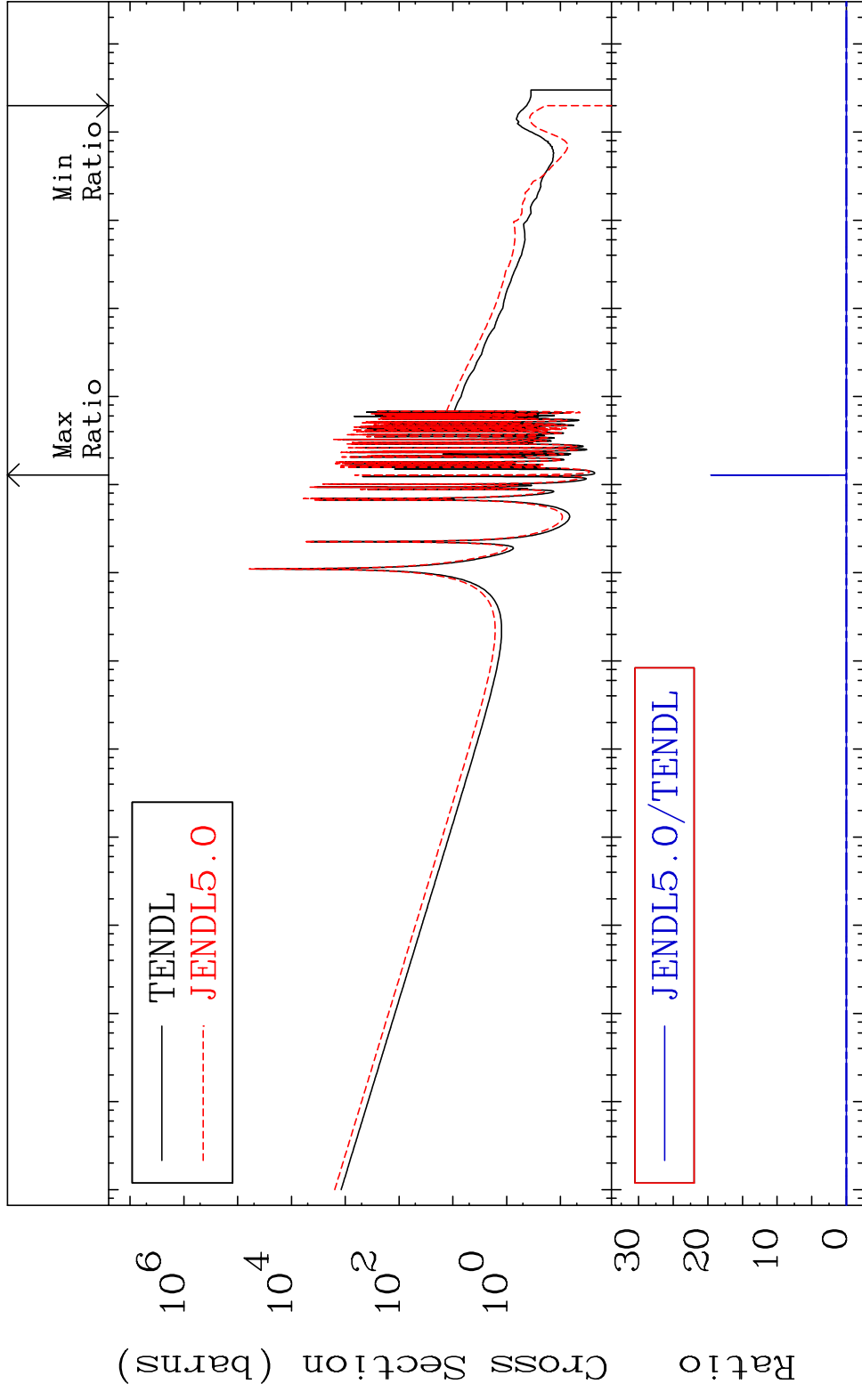
MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93  
 Cross Section -100.0 To 9999. %



MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93  
 Cross Section -100.0 To 9999. %

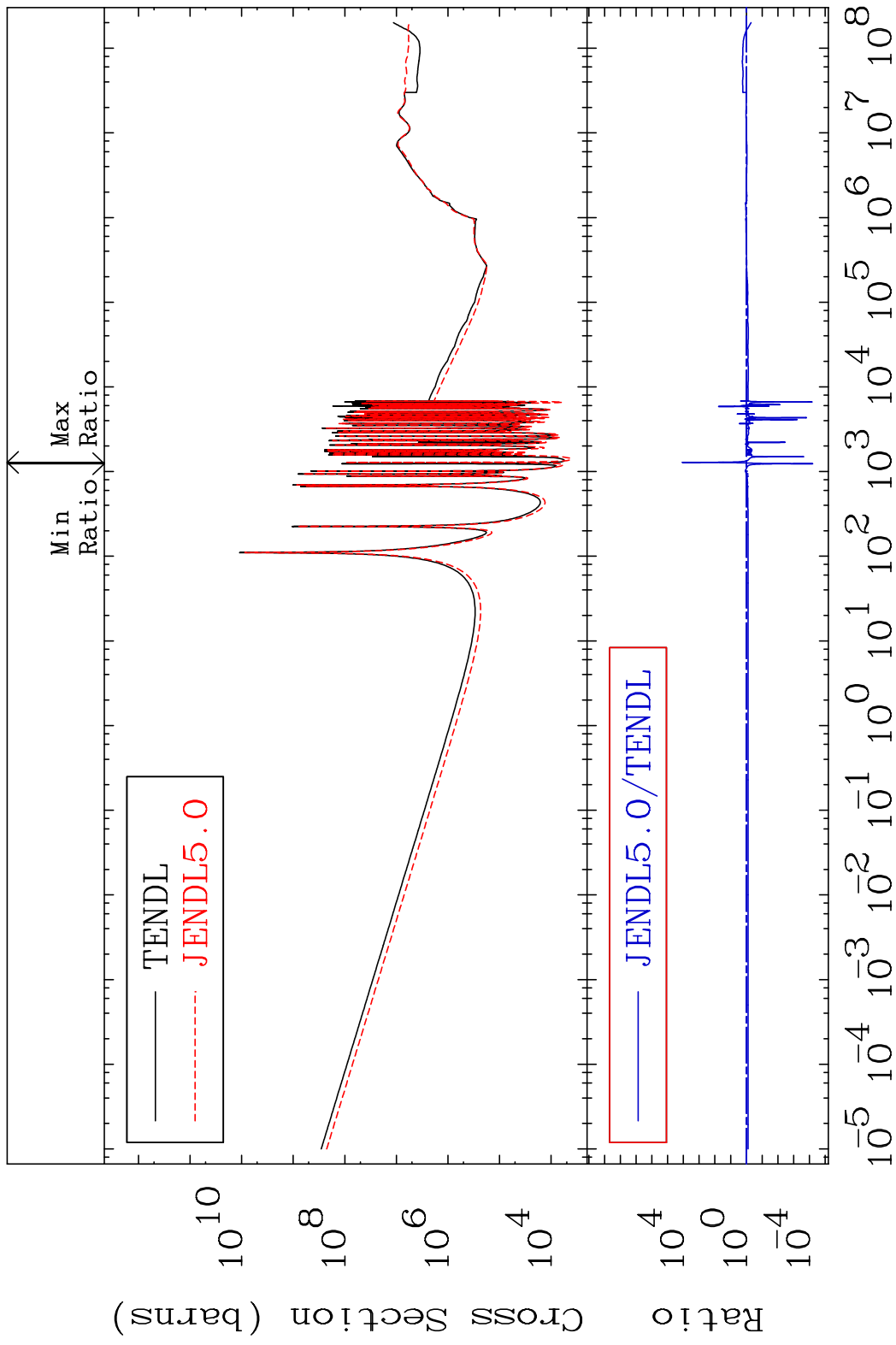


MAT 4034 Kerma capture (mt102) 40-Zr-93  
 Cross Section -100.0 To 9999. %



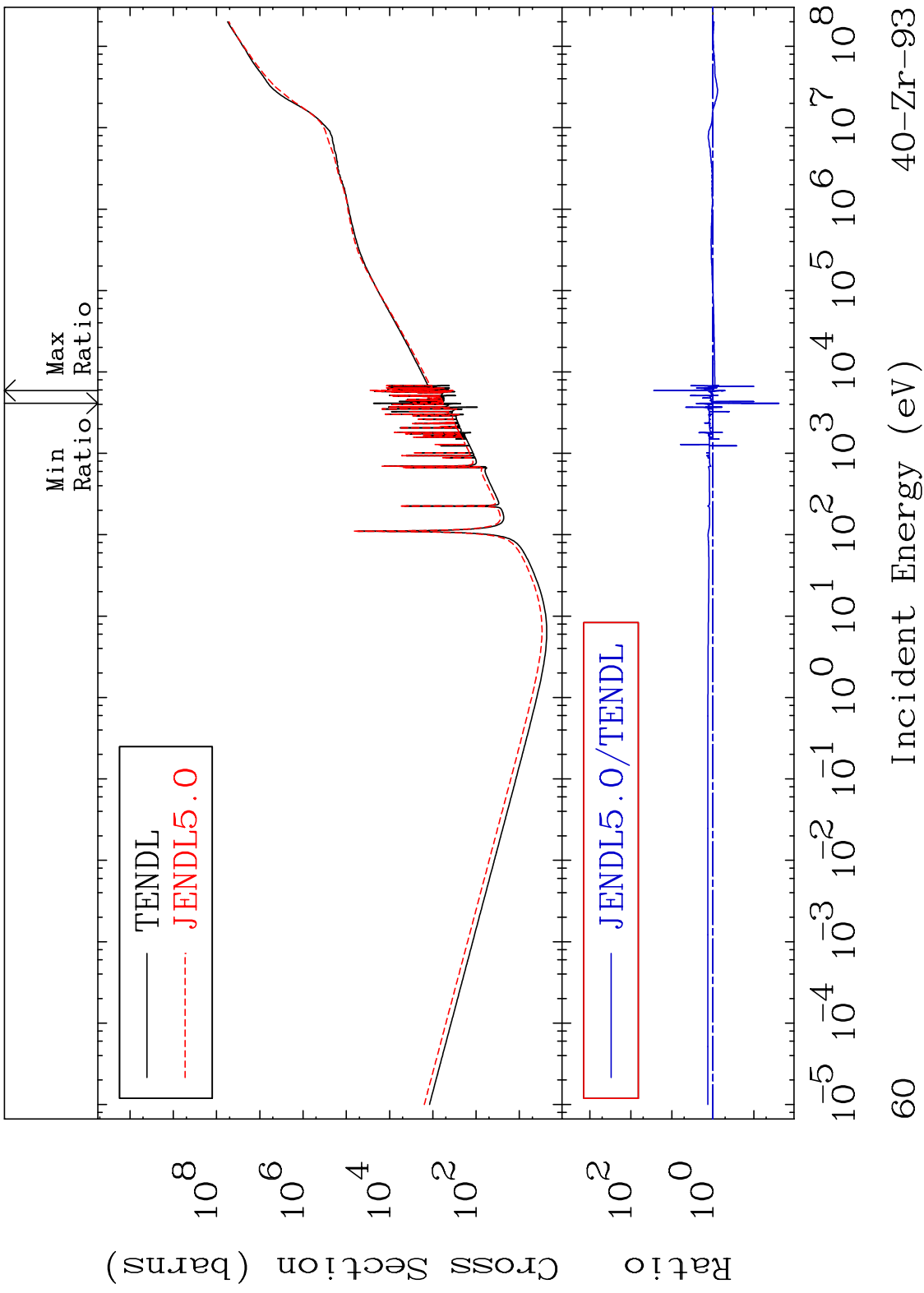
58 Incident Energy (eV) 40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93  
Cross Section -99.99 To 9999. %

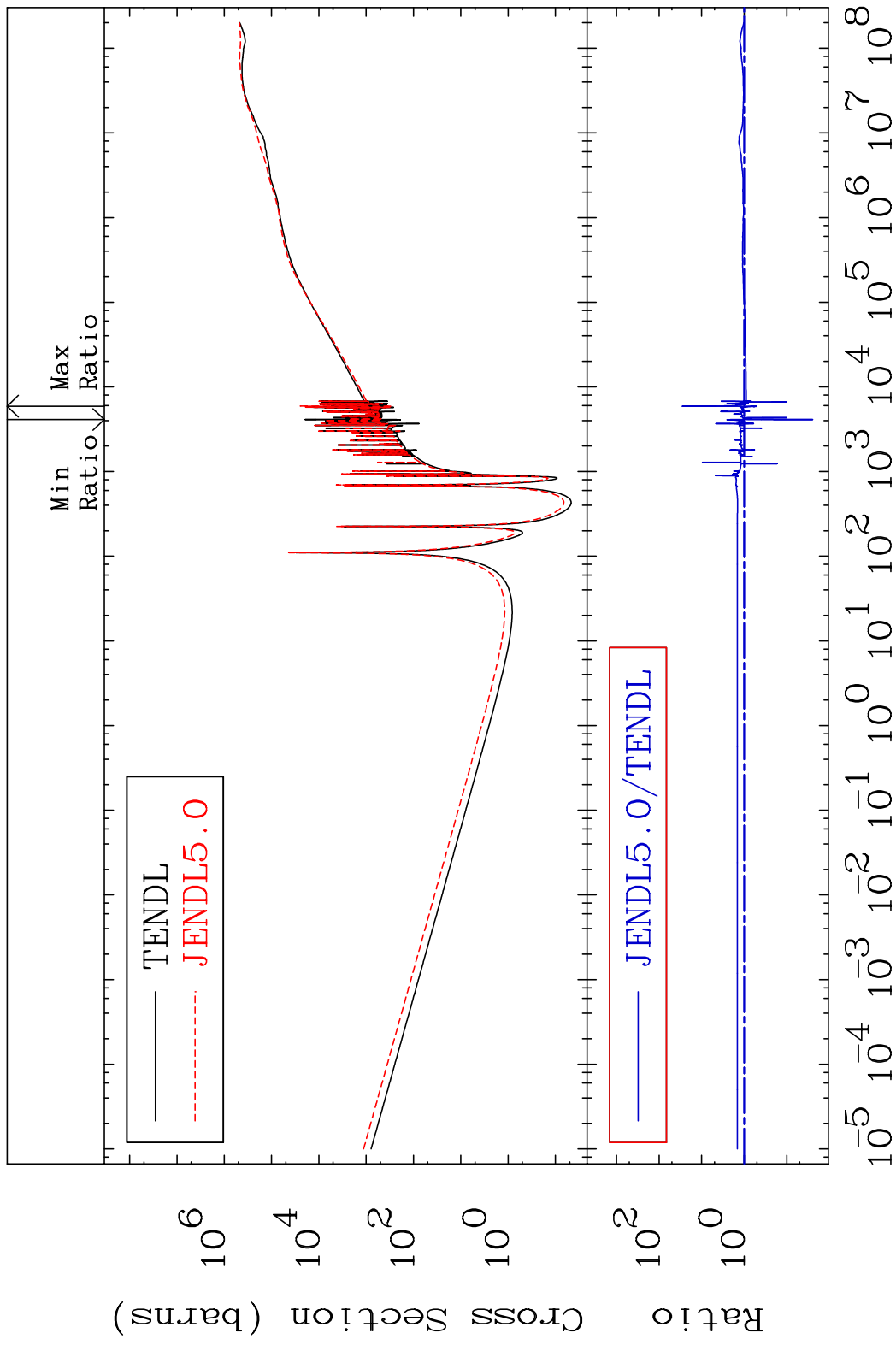


59 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93  
Cross Section -97.55 To 2673. %



MAT 4034      Dpa total (eV-barns)      40-Zr-93  
 Cross Section      -97.53 To 2736. %



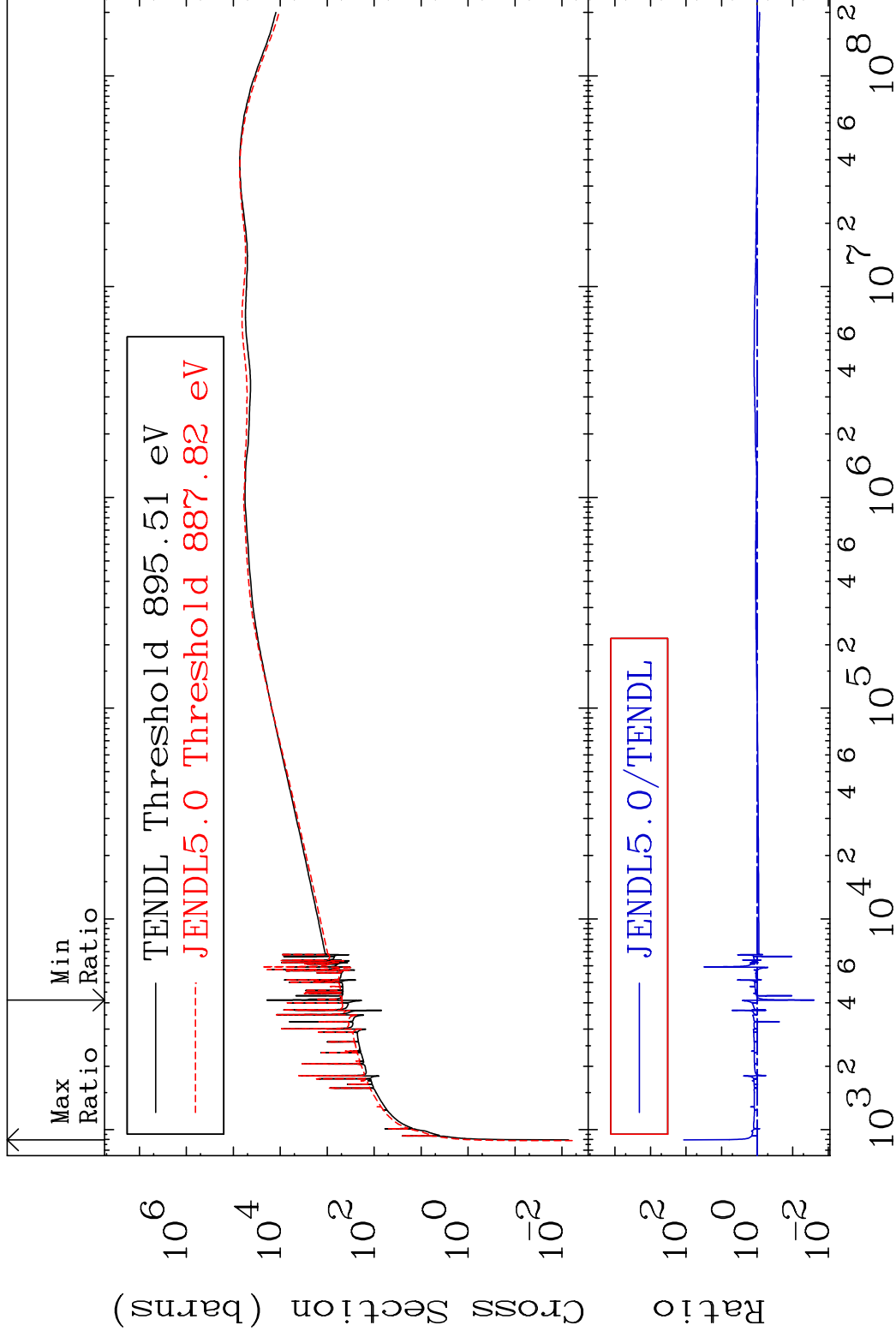
61      Incident Energy (eV)      40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -97.51 To 9999. %

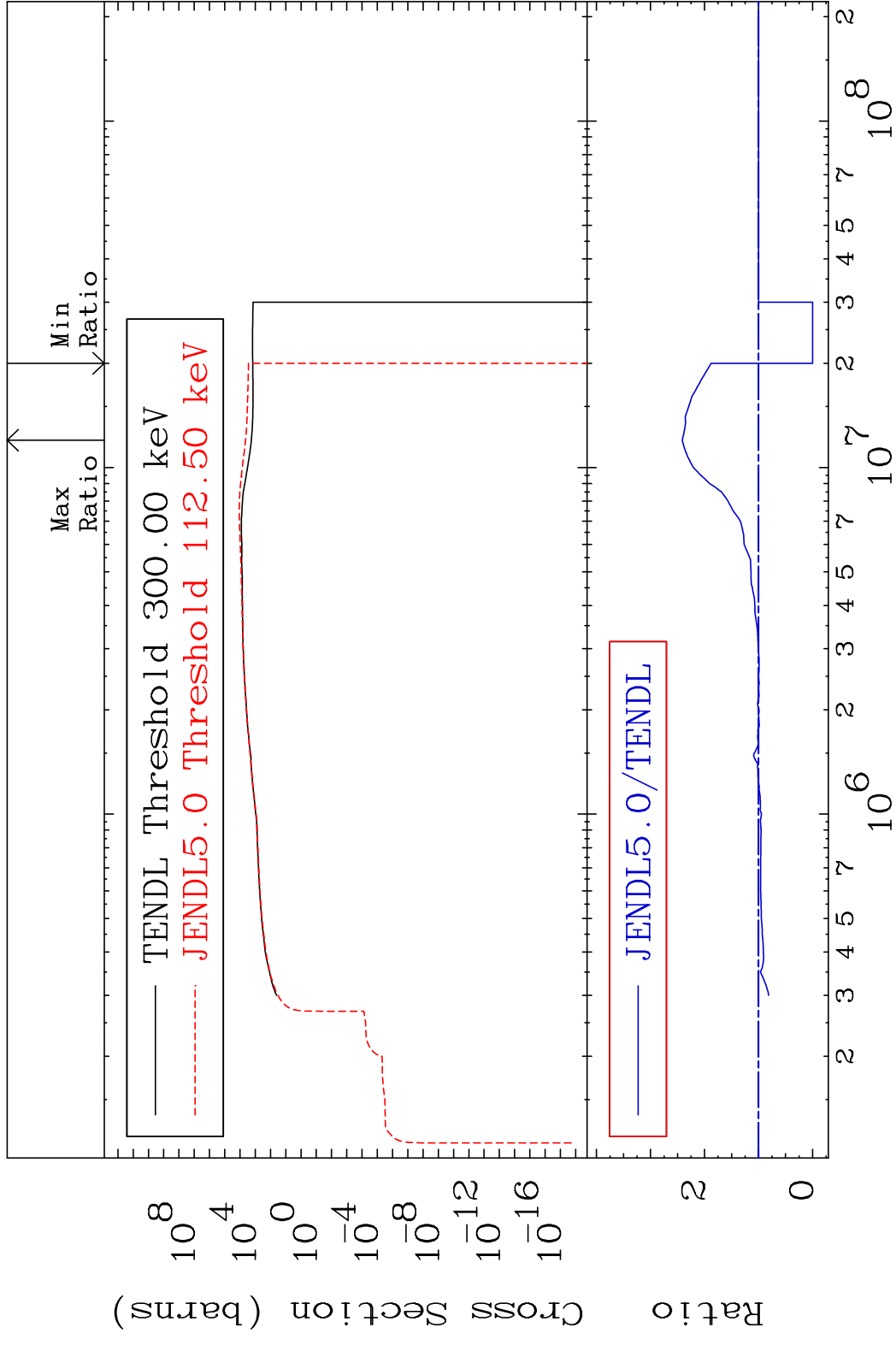


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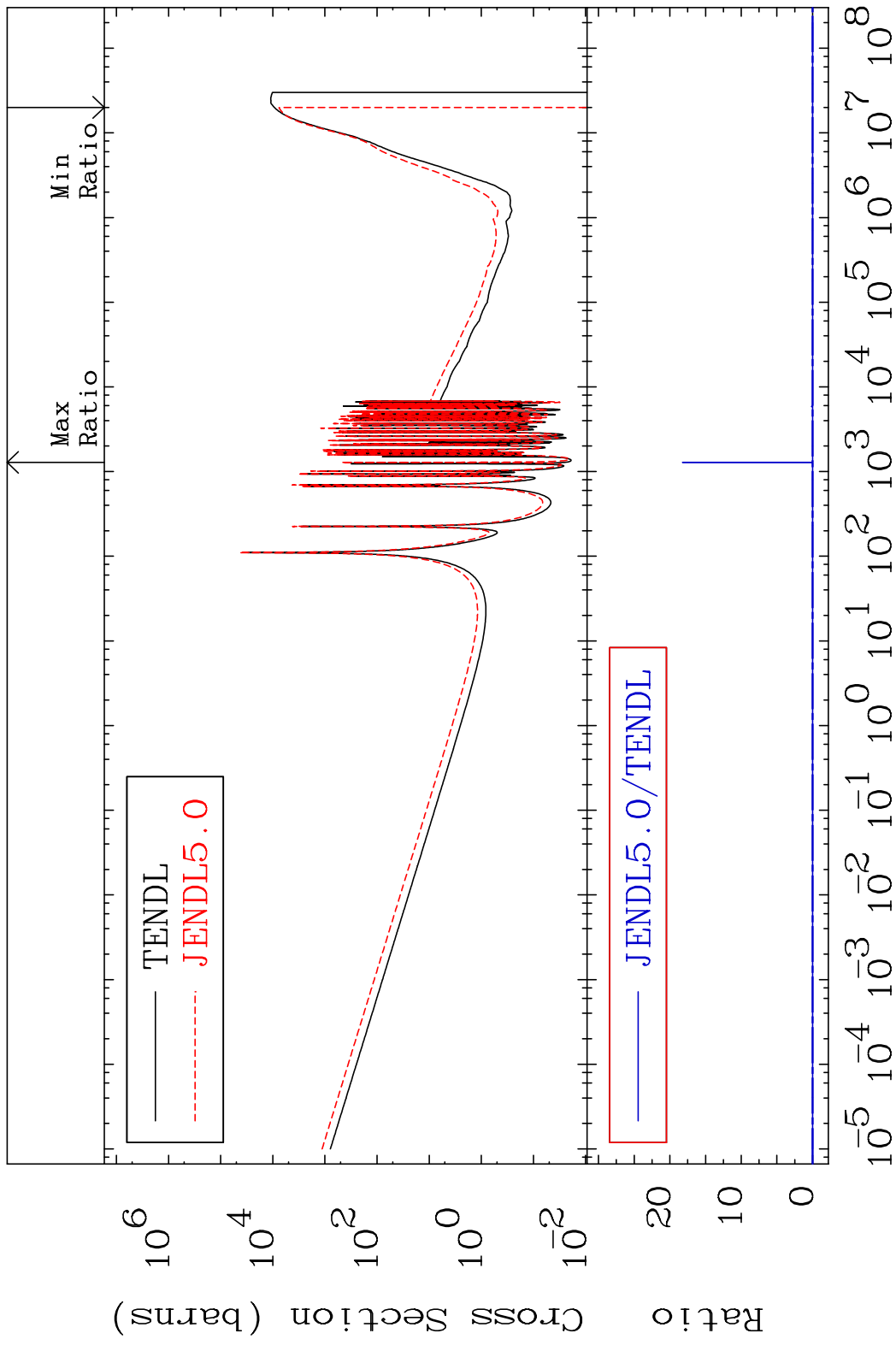
Incident Energy (eV)

40-Zr-93

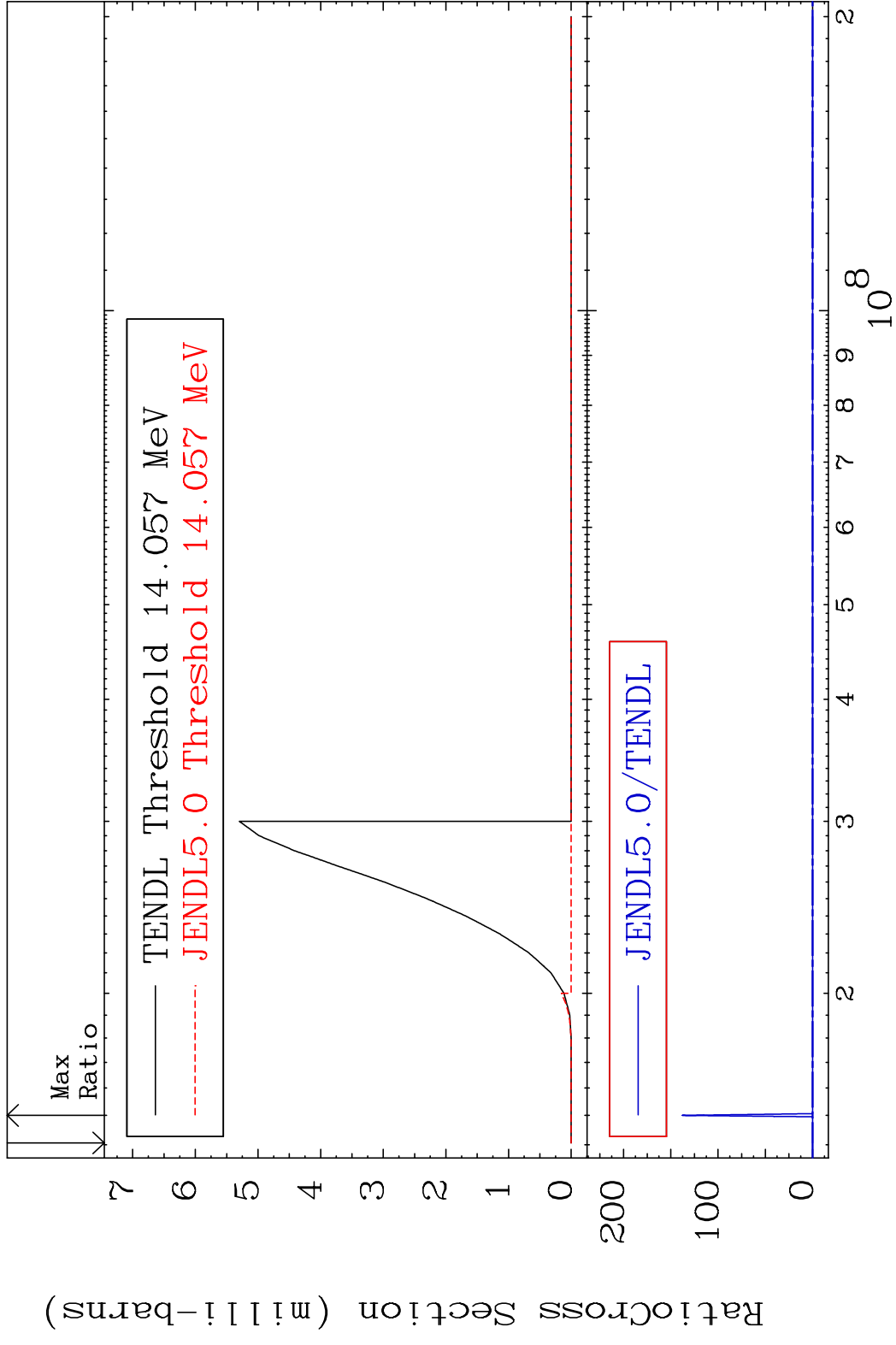
MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93  
 Cross Section -100.0 To 141.1 %



MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93  
 Cross Section -100.0 To 9999. %

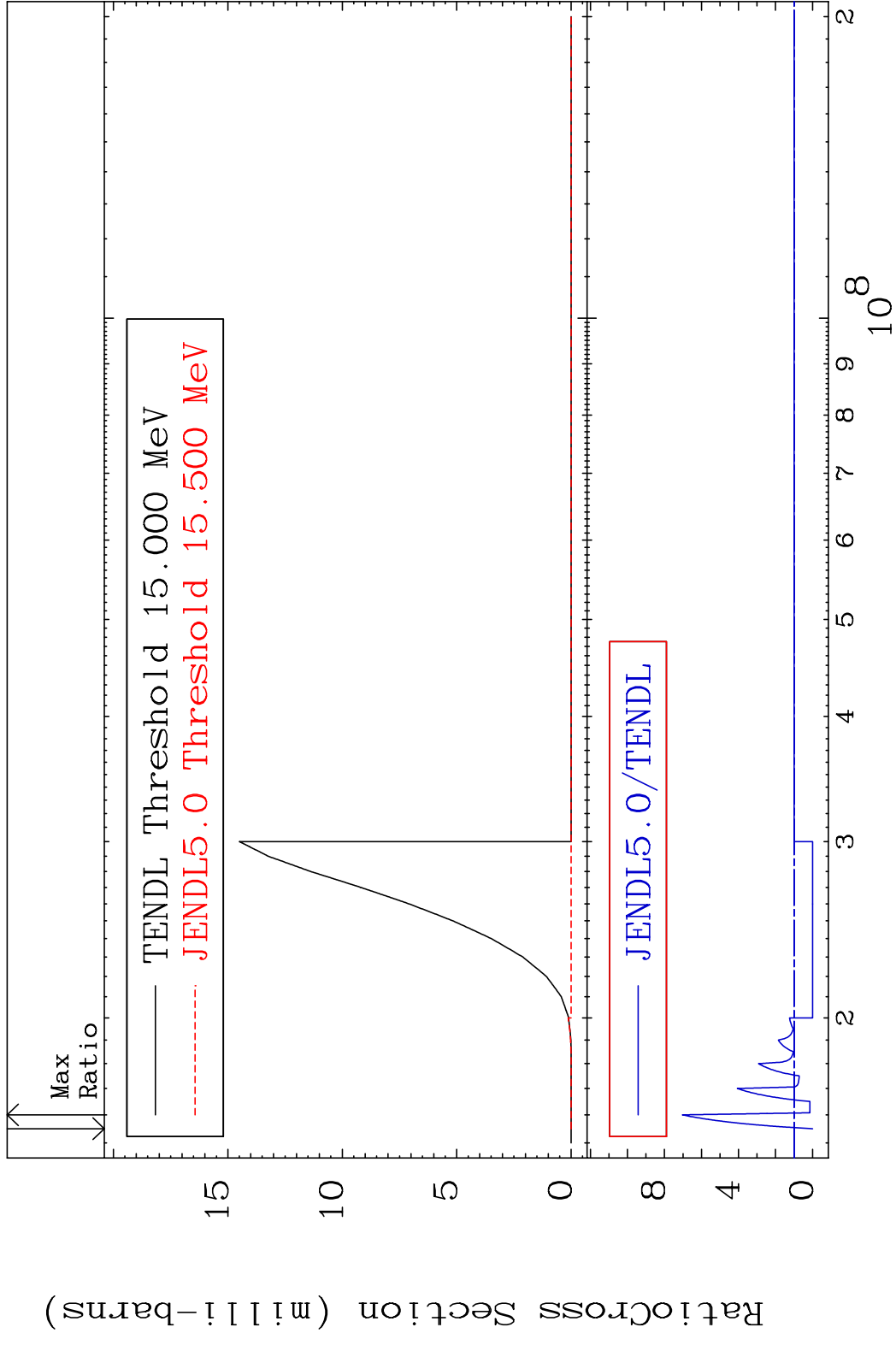


MAT 4034 (n, n') d:39-Y -91g 40-Zr-93  
 Radionuclide Production Cross Section Ratio 9999. %

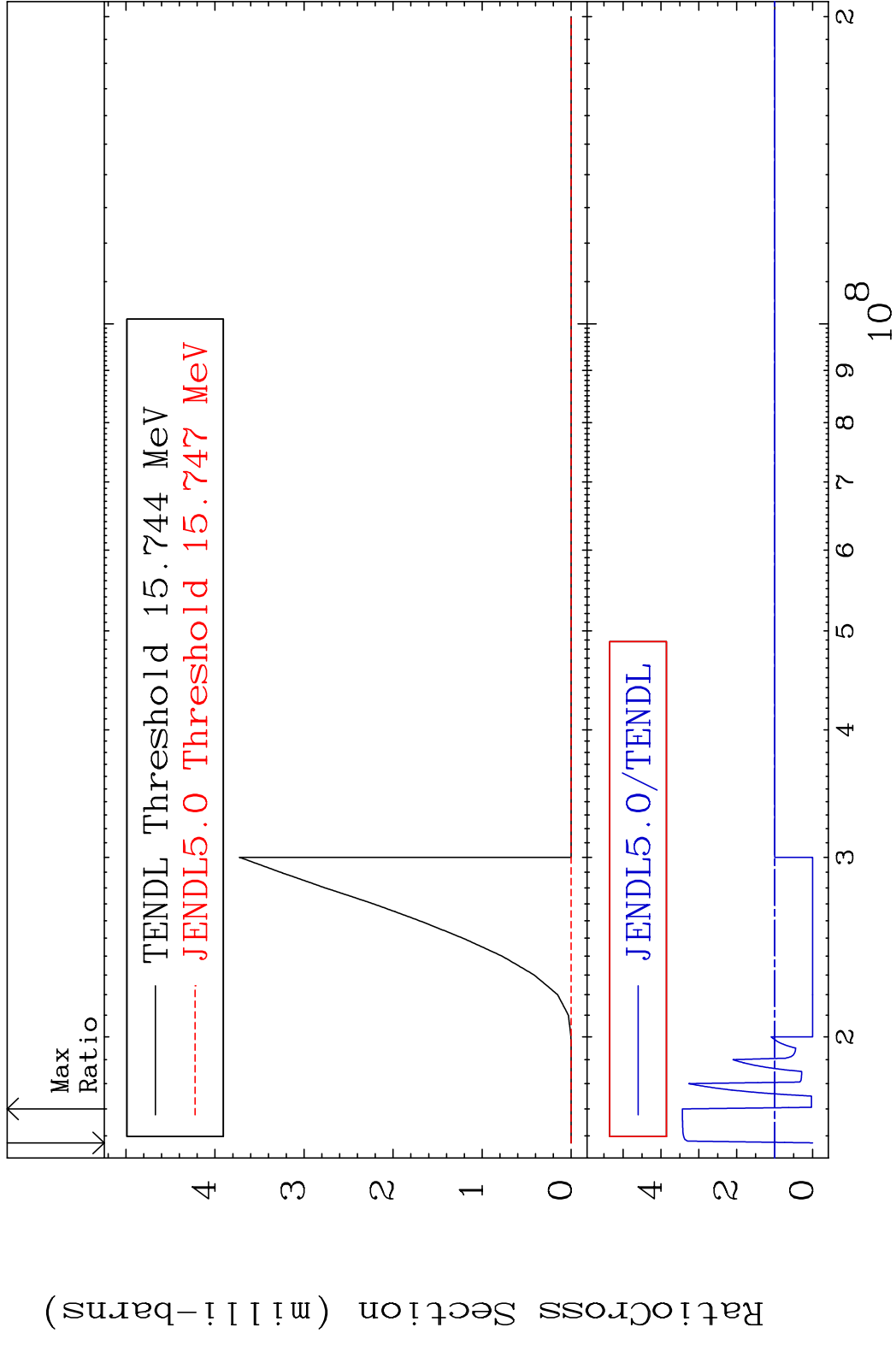


65 Incident Energy (eV) 40-Zr-93

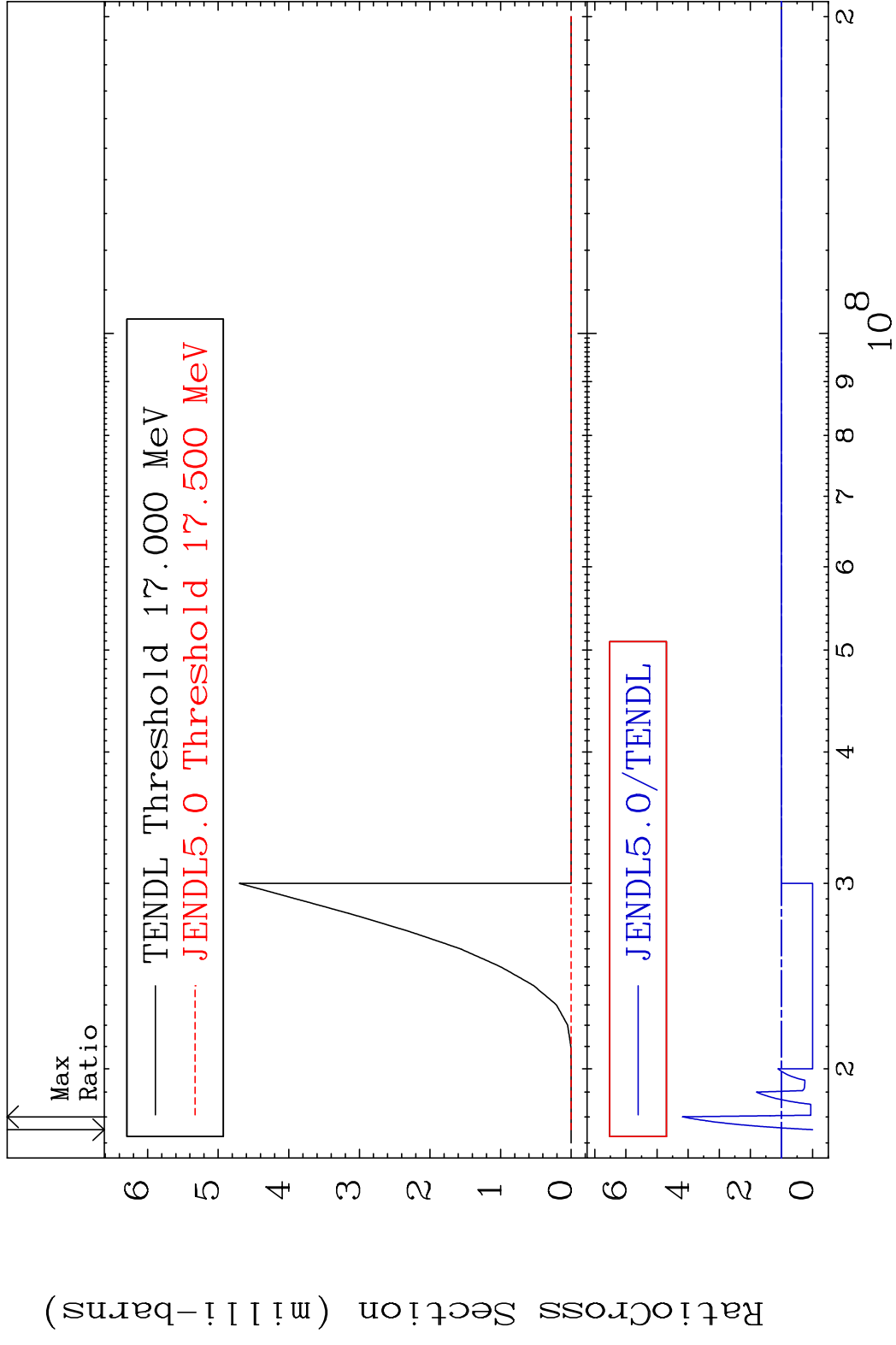
MAT 4034 (n, n') d:39-Y -91m1 40-Zr-93  
 Radionuclide Production Cross Section Ratio 603.4 %



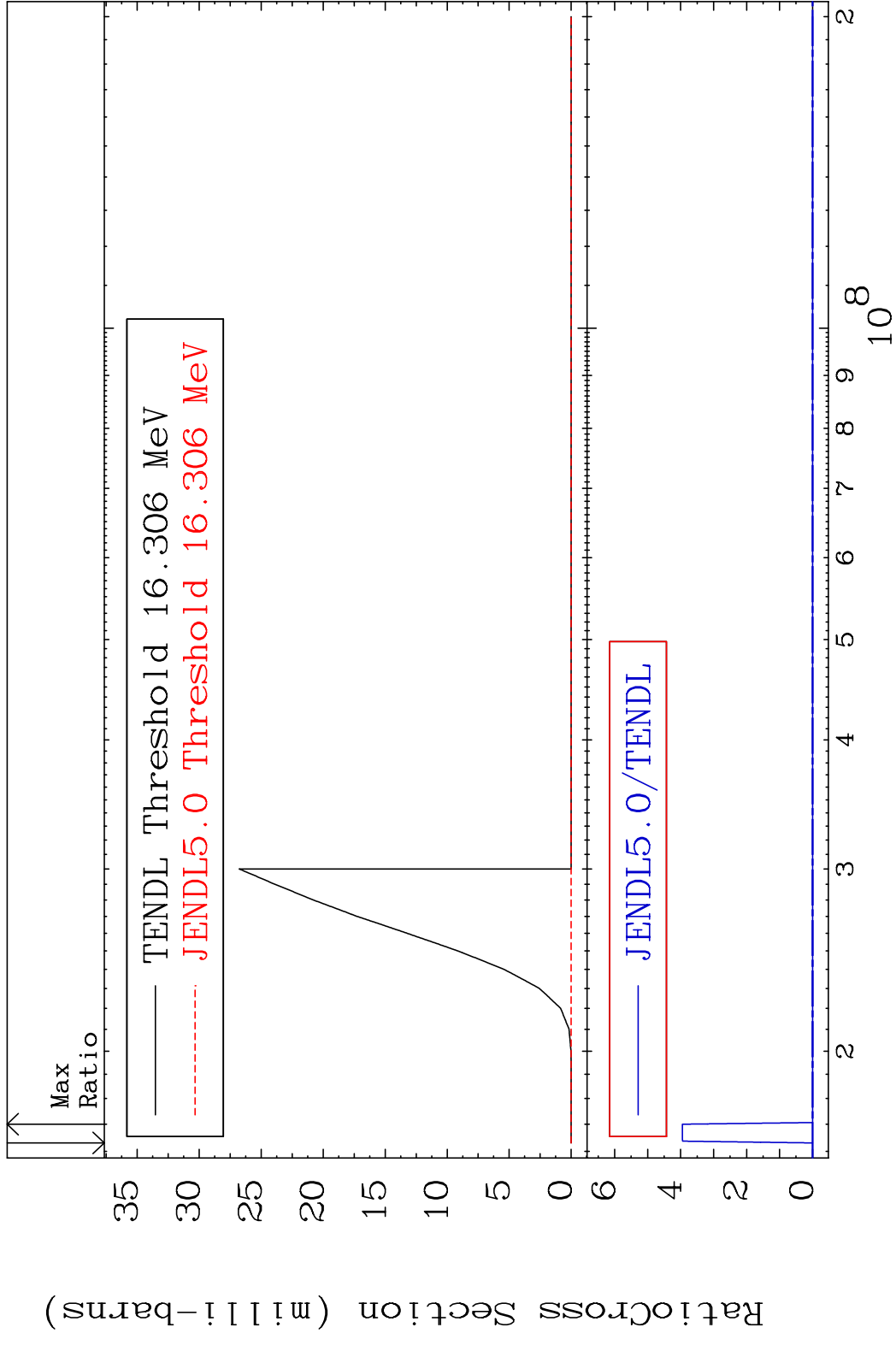
MAT 4034 (n, n') t:39-Y -90g 40-Zr-93  
 Radionuclide Production Cross Section 180.0 mb 243.4 %



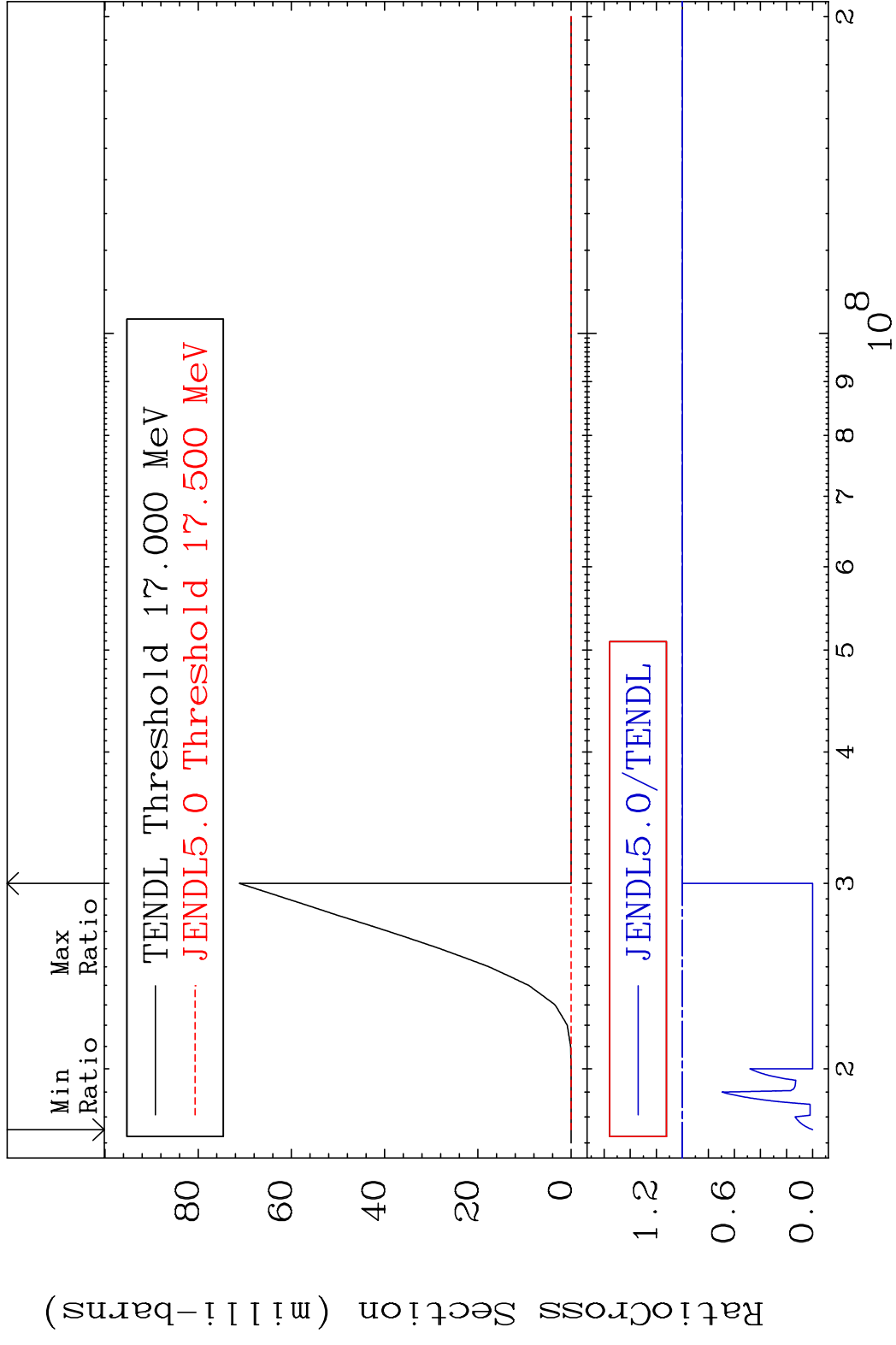
MAT 4034 (n, n') t:39-Y -90m2 40-Zr-93  
 Radionuclide Production Cross Section 180.0 dth 318.6 %



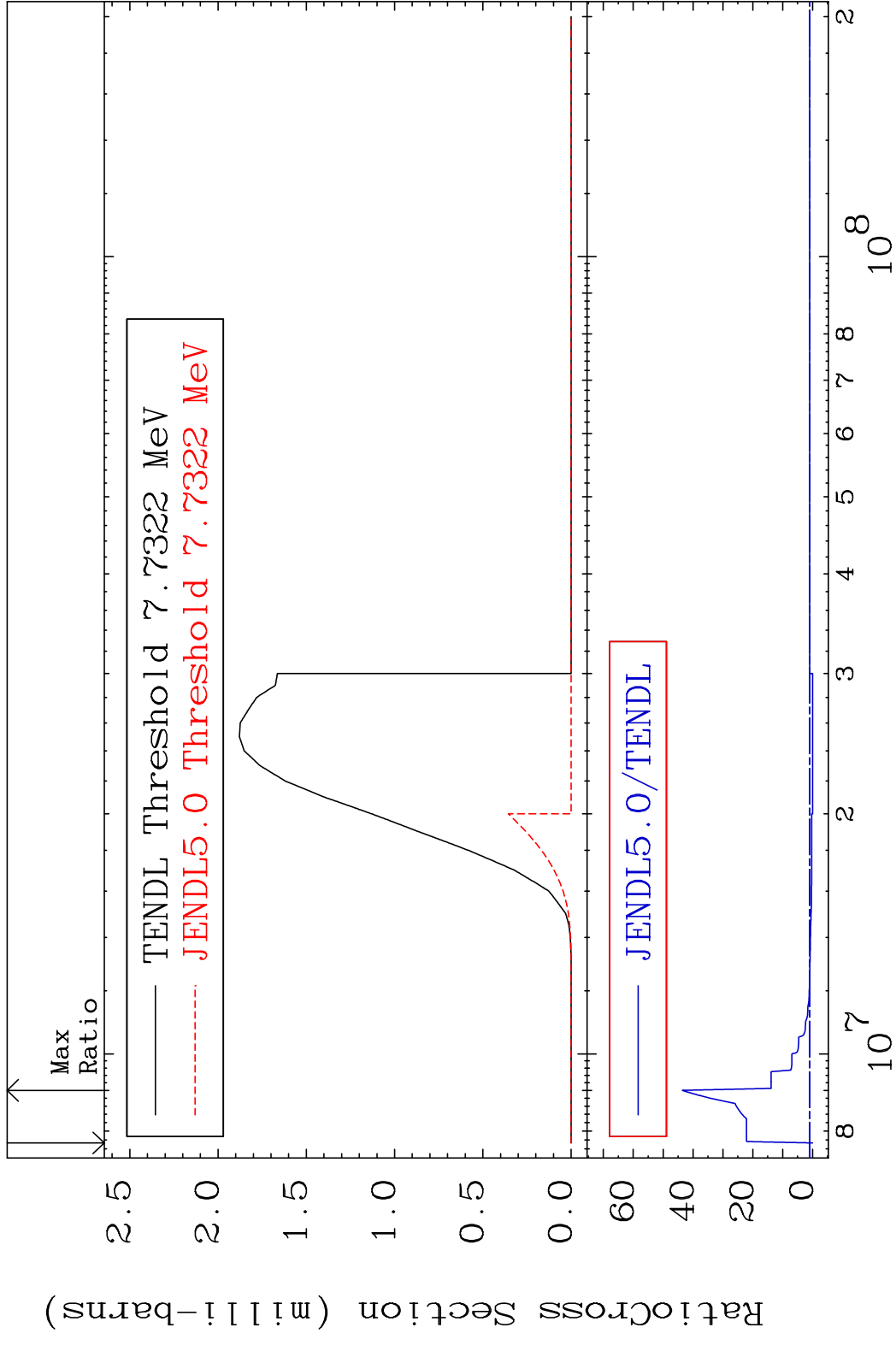
MAT 4034 (n,2n) p:39-Y -91g 40-Zr-93  
 Radionuclide Production Cross Section Ratio 9999. %



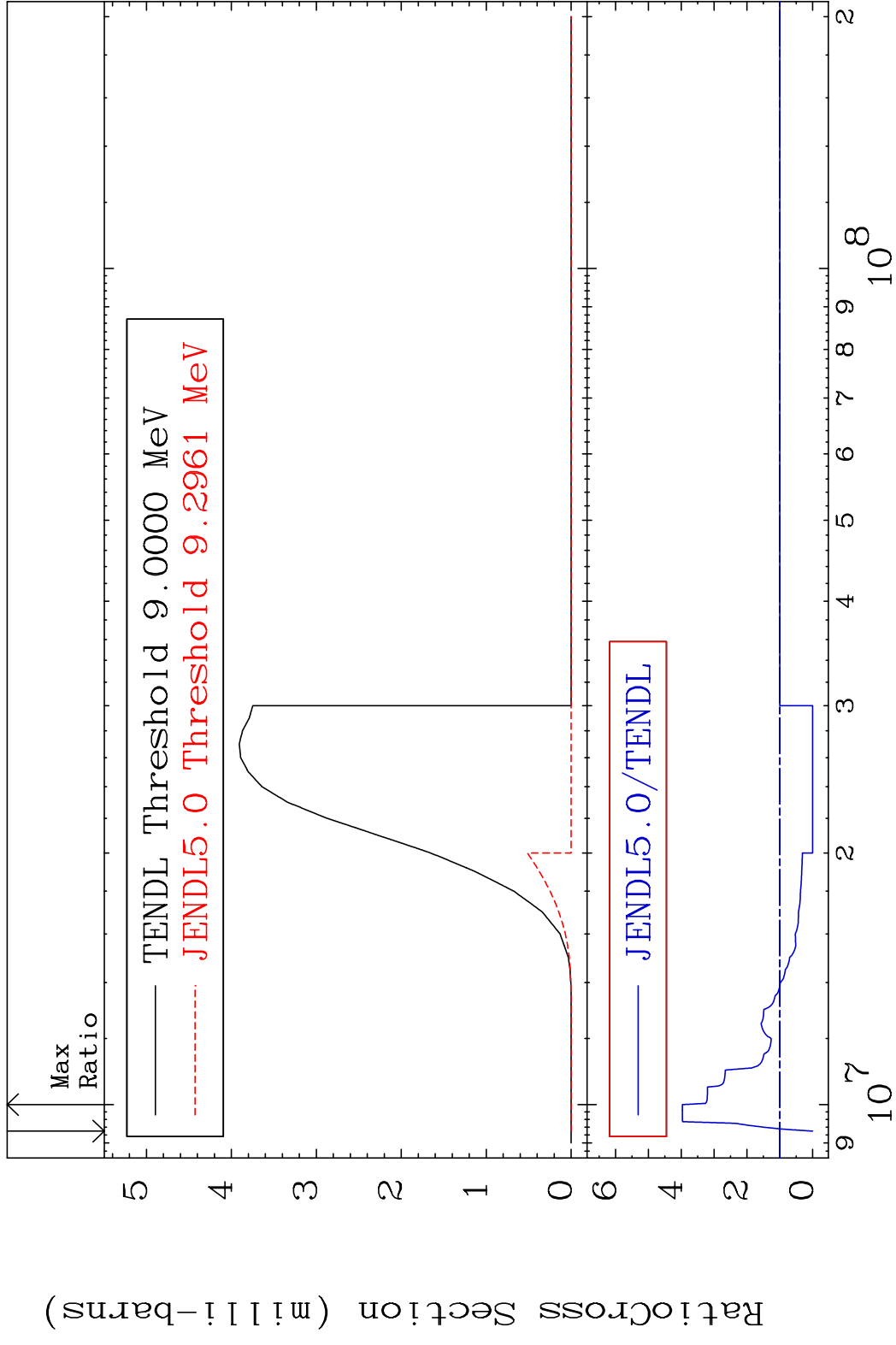
MAT 4034 (n,2n) p:39-Y -91m1 40-Zr-93  
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 4034 (n, t):39-Y -91g 40-Zr-93  
 Radionuclide Production Cross Section 180.0 mb 4256. %



MAT 4034 (n,t):39-Y -91m1 40-Zr-93  
 Radionuclide Production Cross Section Ratio 296.8 %



72 Incident Energy (eV) 40-Zr-93