

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

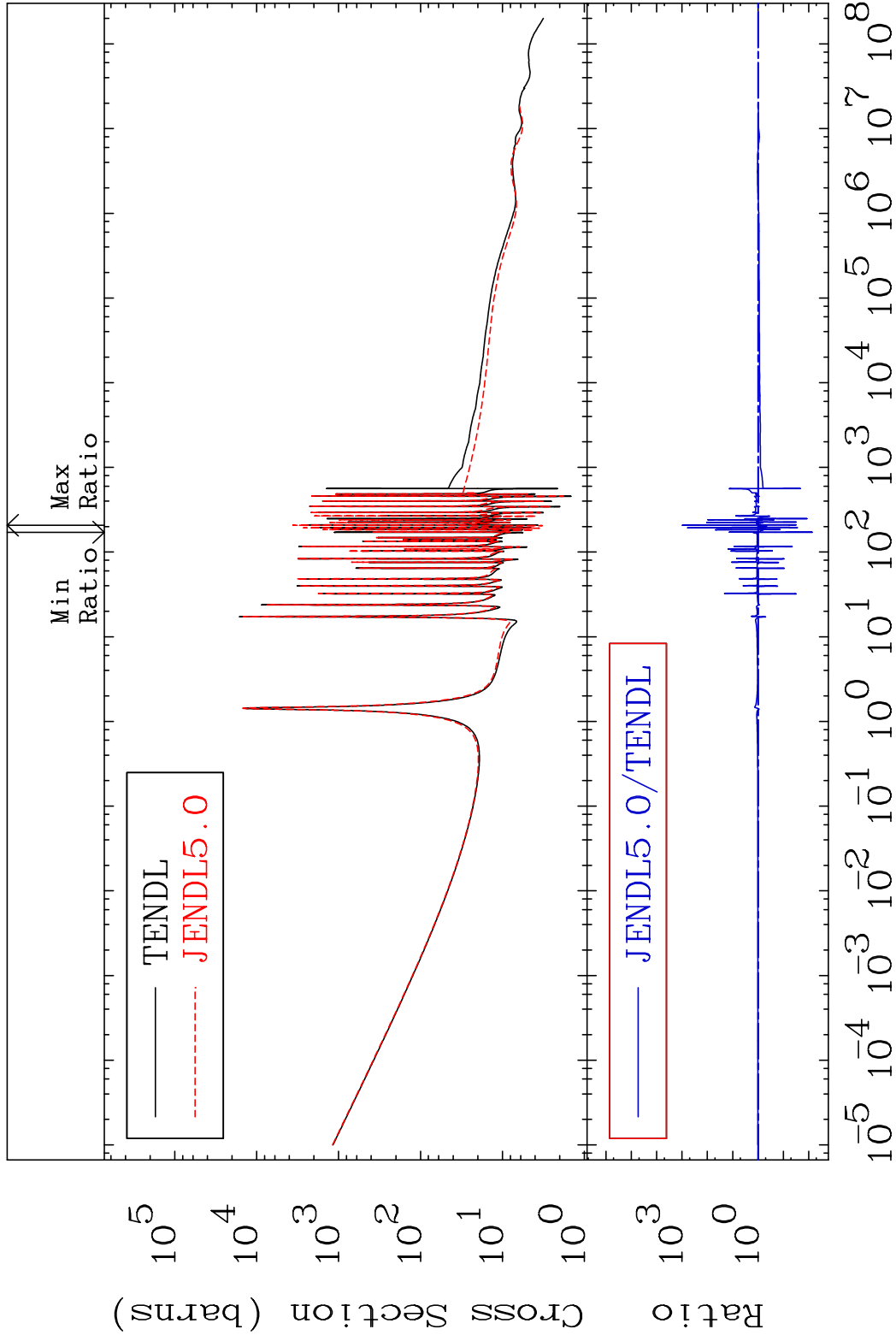
MAT 9034

Total

90-Th-230

Cross Section

-99.30 To 9999. %



1

Incident Energy (eV)

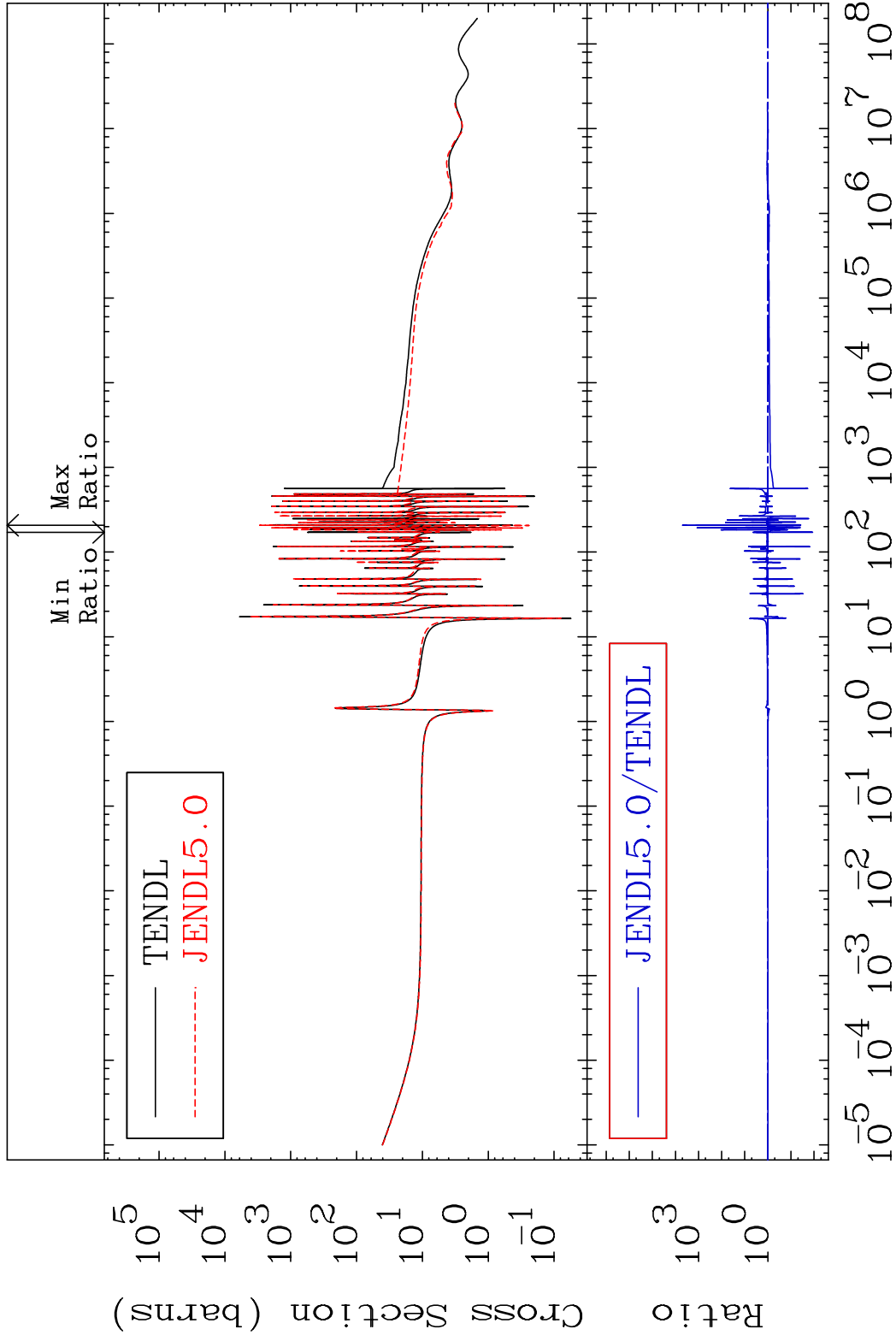
90-Th-230

MAT 9034

Elastic

90-Th-230

Cross Section -98.84 To 9999. %

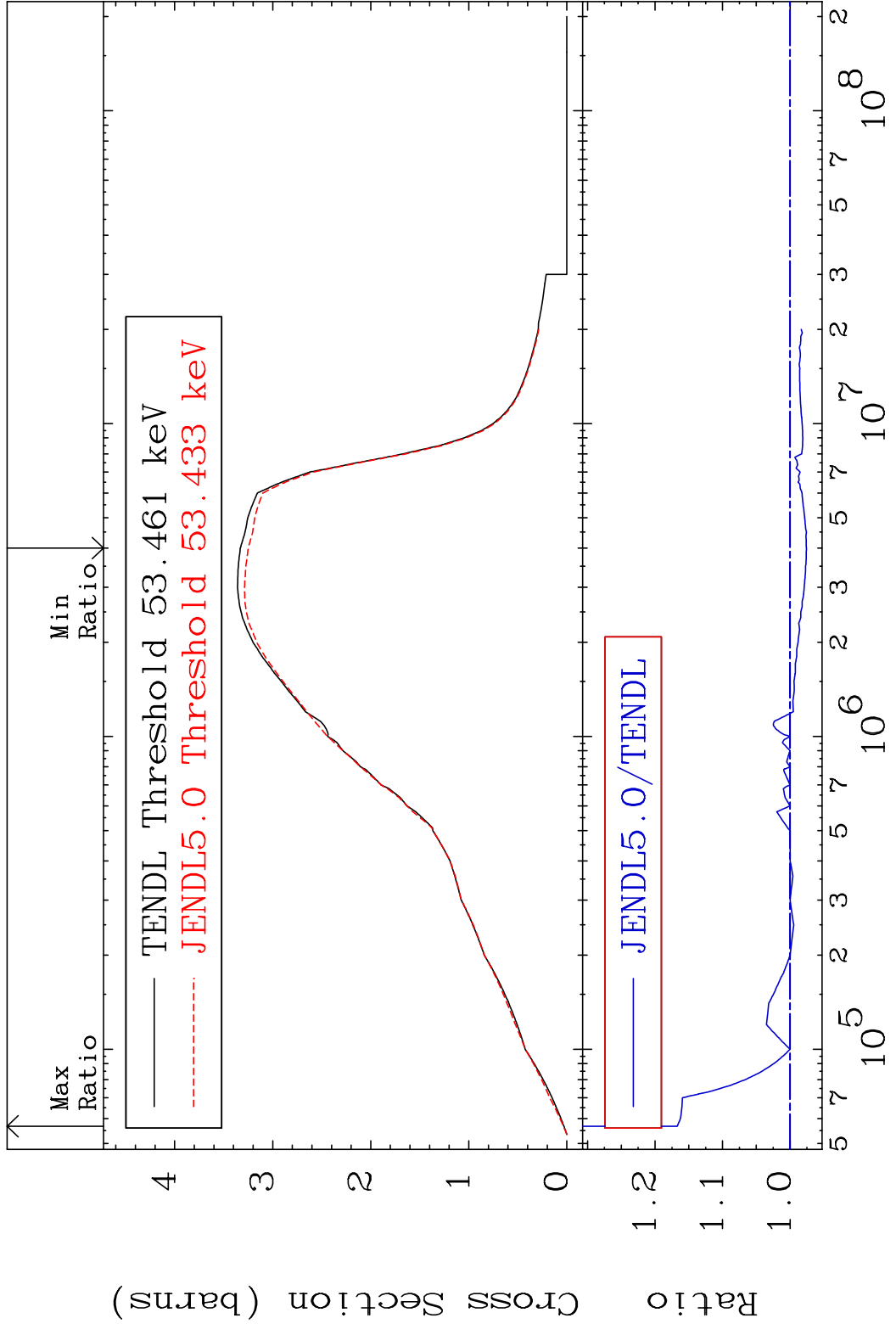


2

Incident Energy (eV)

90-Th-230

MAT 9034 Inelastic 90-Th-230  
 Cross Section -2.421 To 16.72 %



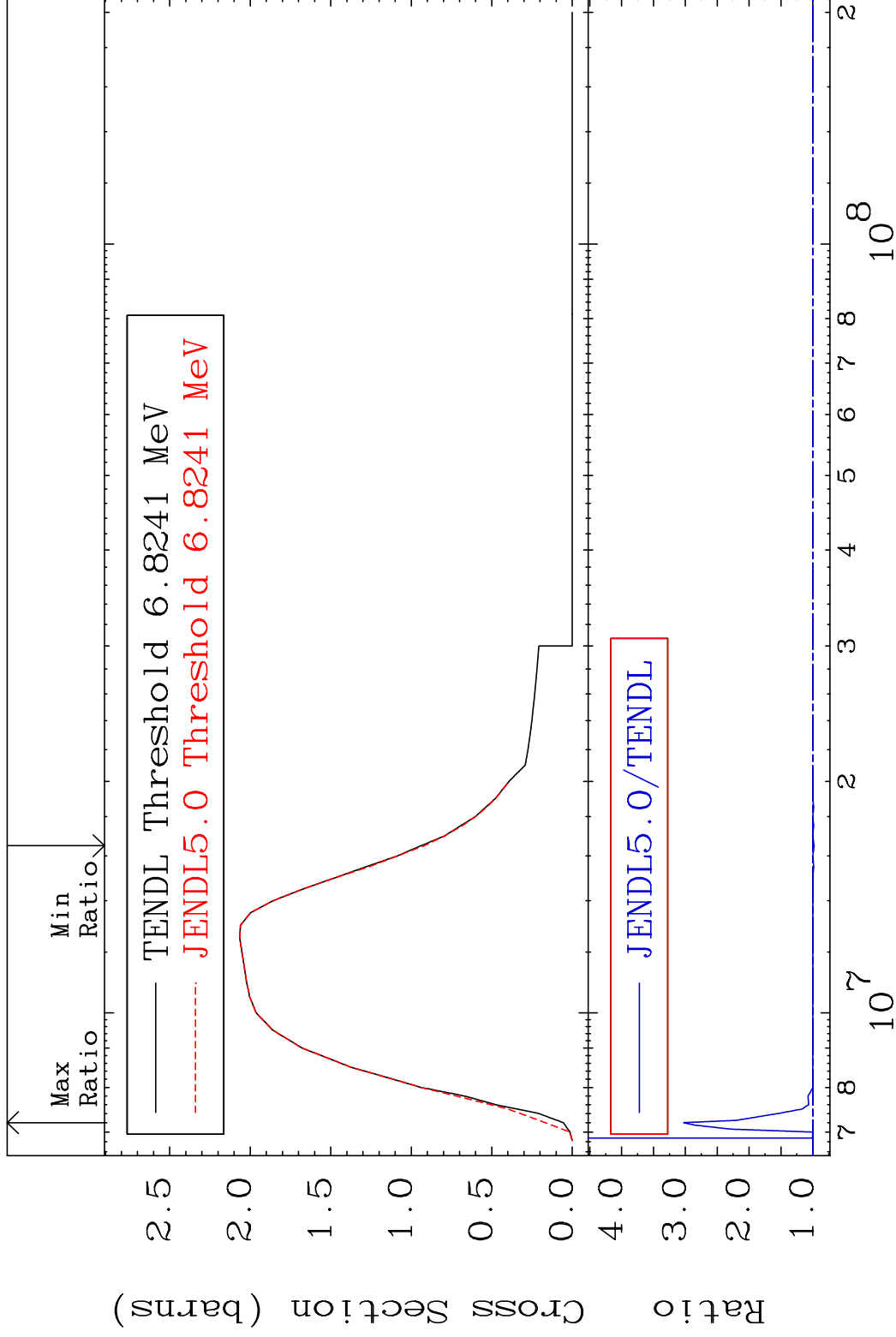
3 Incident Energy (eV) 90-Th-230

MAT 9034

(n,2n)

90-Th-230

Cross Section -2.088 To 202.7 %



4

Incident Energy (eV)

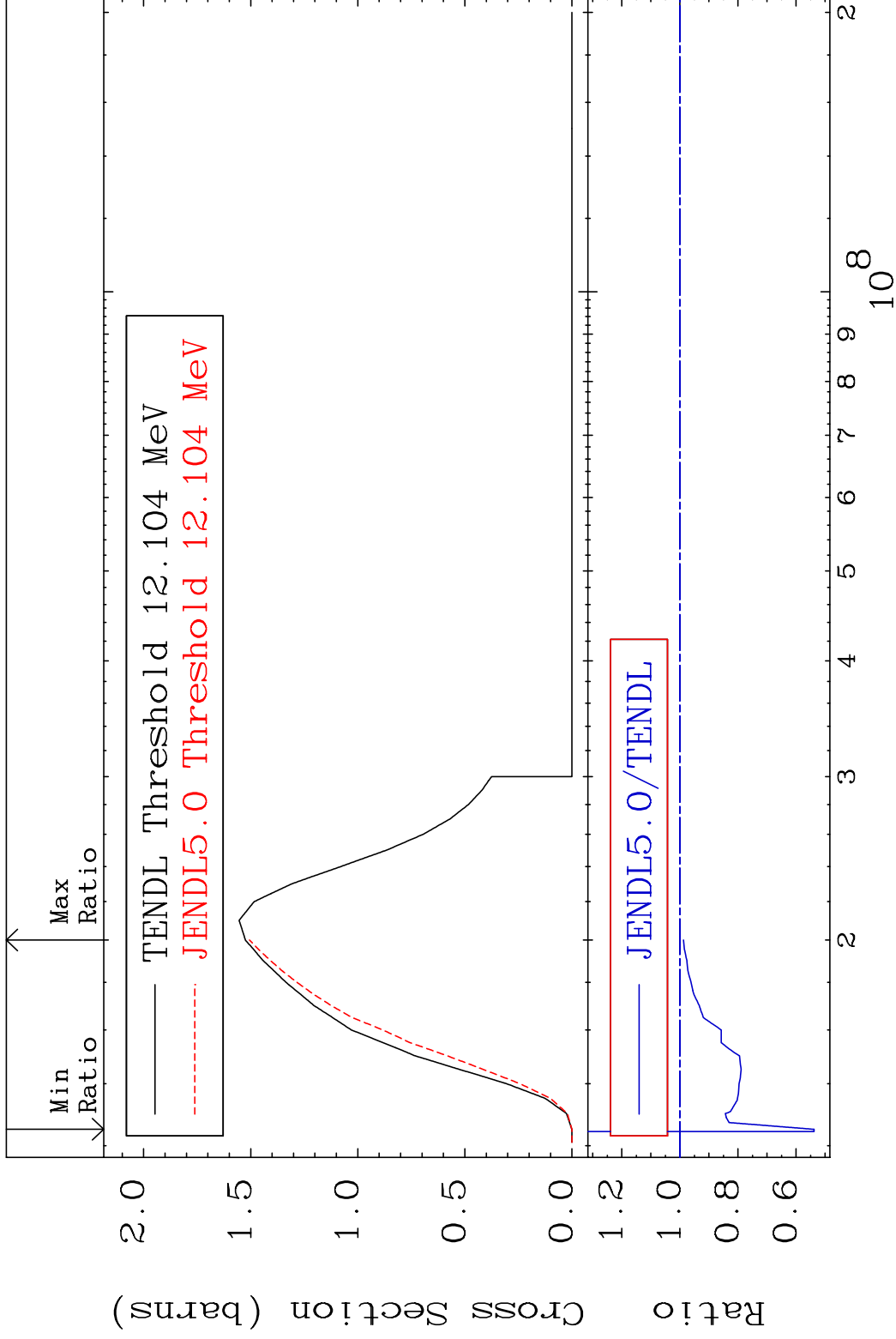
90-Th-230

MAT 9034

(n,3n)

90-Th-230

Cross Section -46.18 To -1.235%



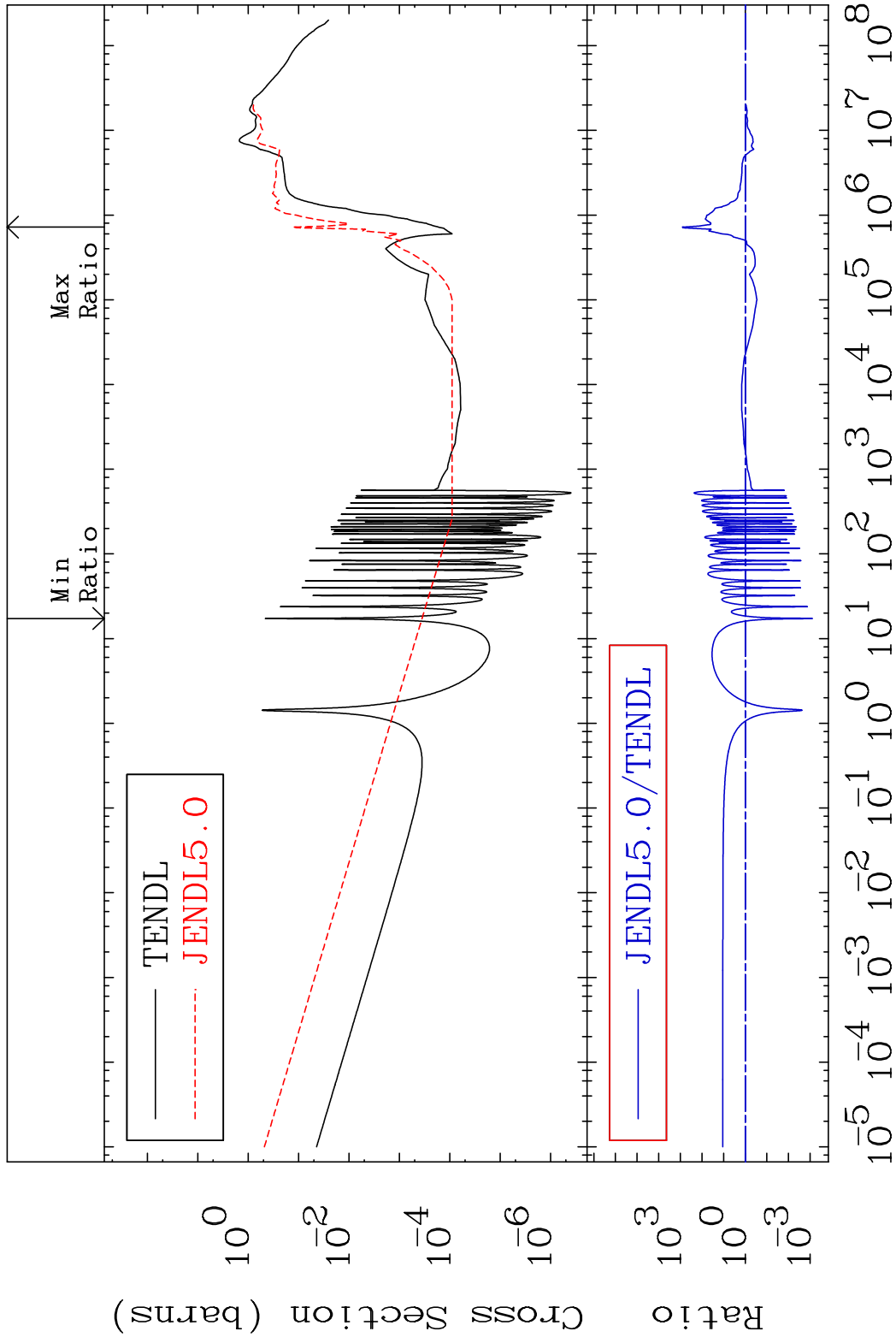
5

Incident Energy (eV)

90-Th-230

MAT 9034

Fission Cross Section 90-Th-230  
-99.92 To 9999. %

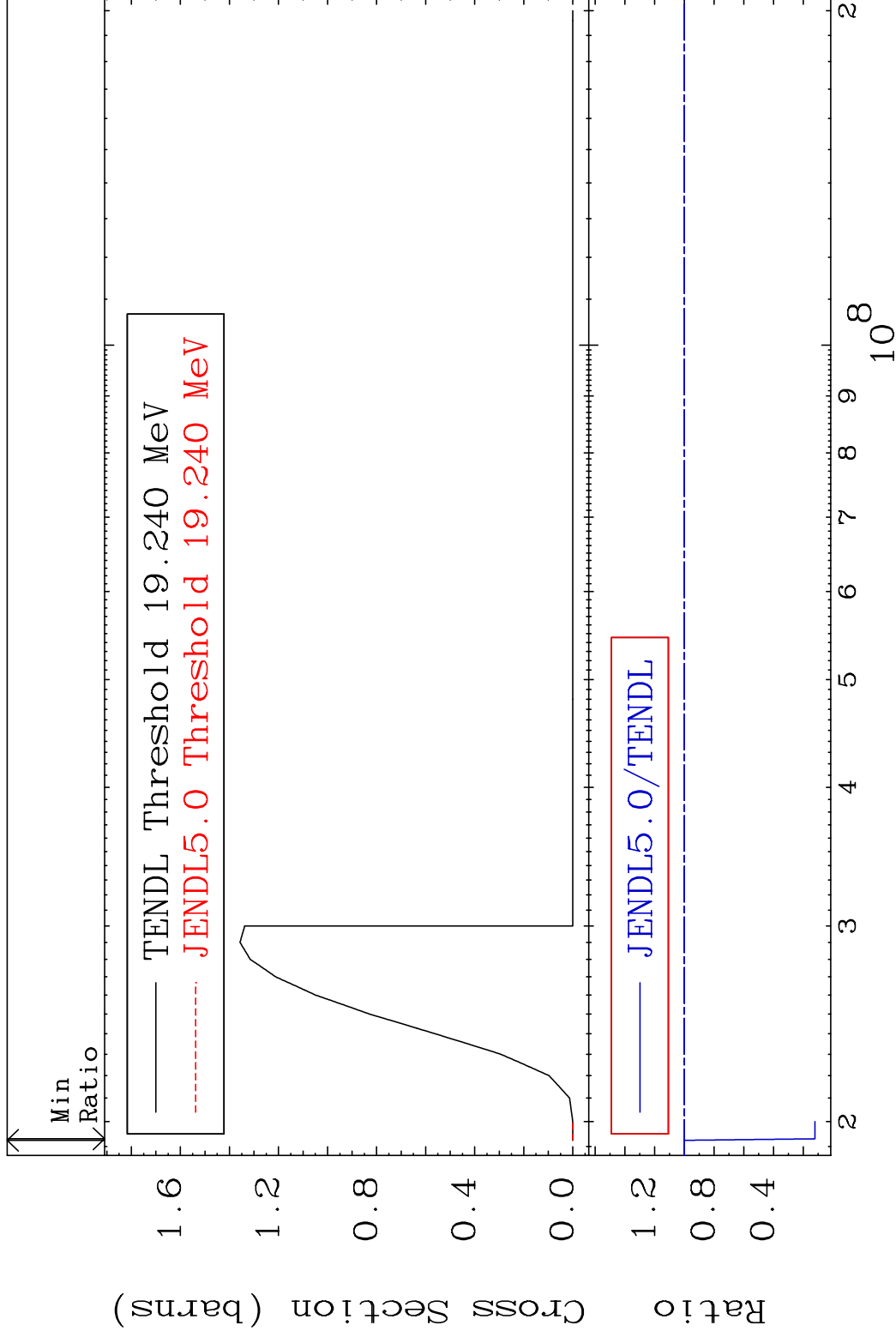


MAT 9034

(n,4n)

90-Th-230

Cross Section -87.87 To 0.000 %

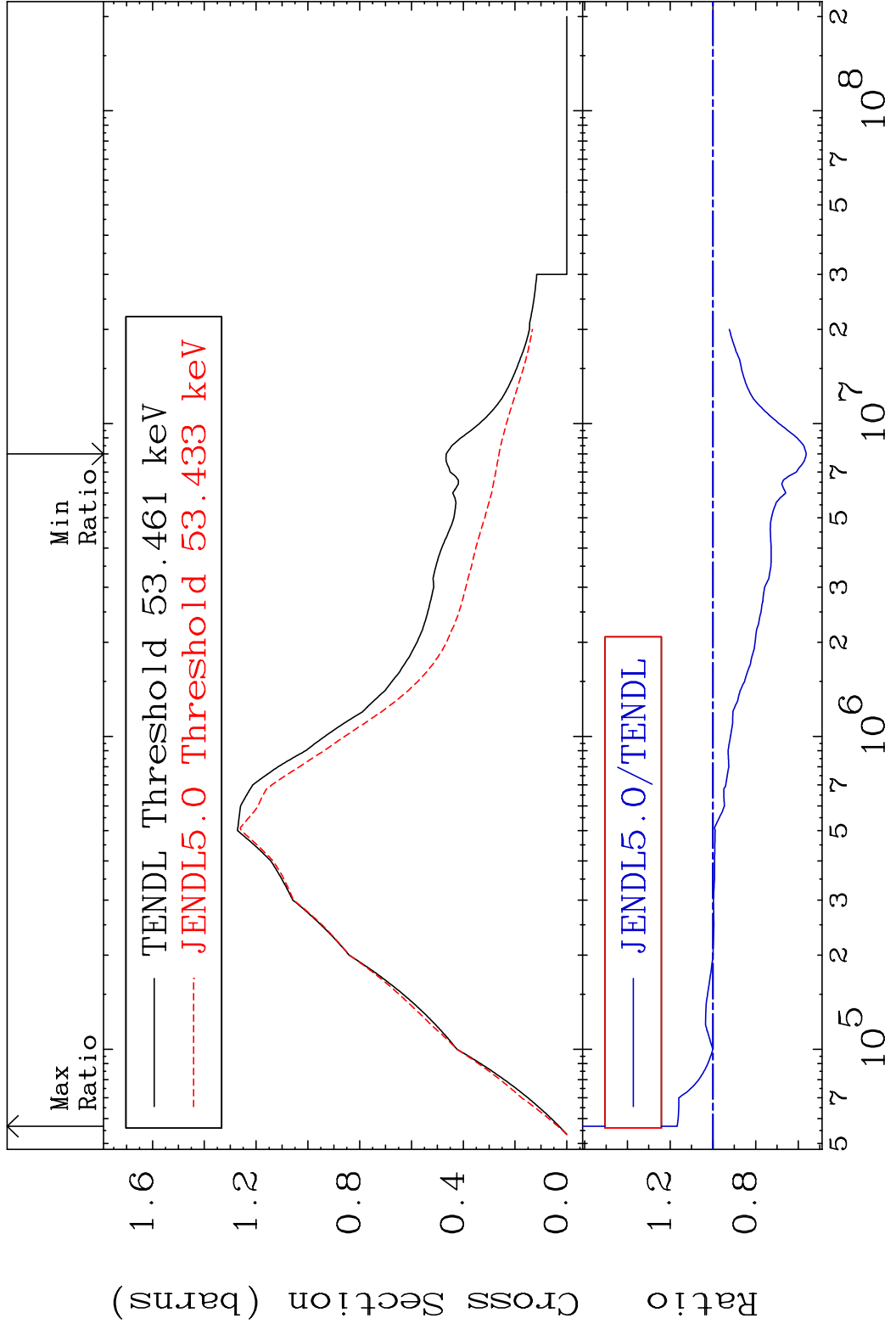


7

Incident Energy (eV)

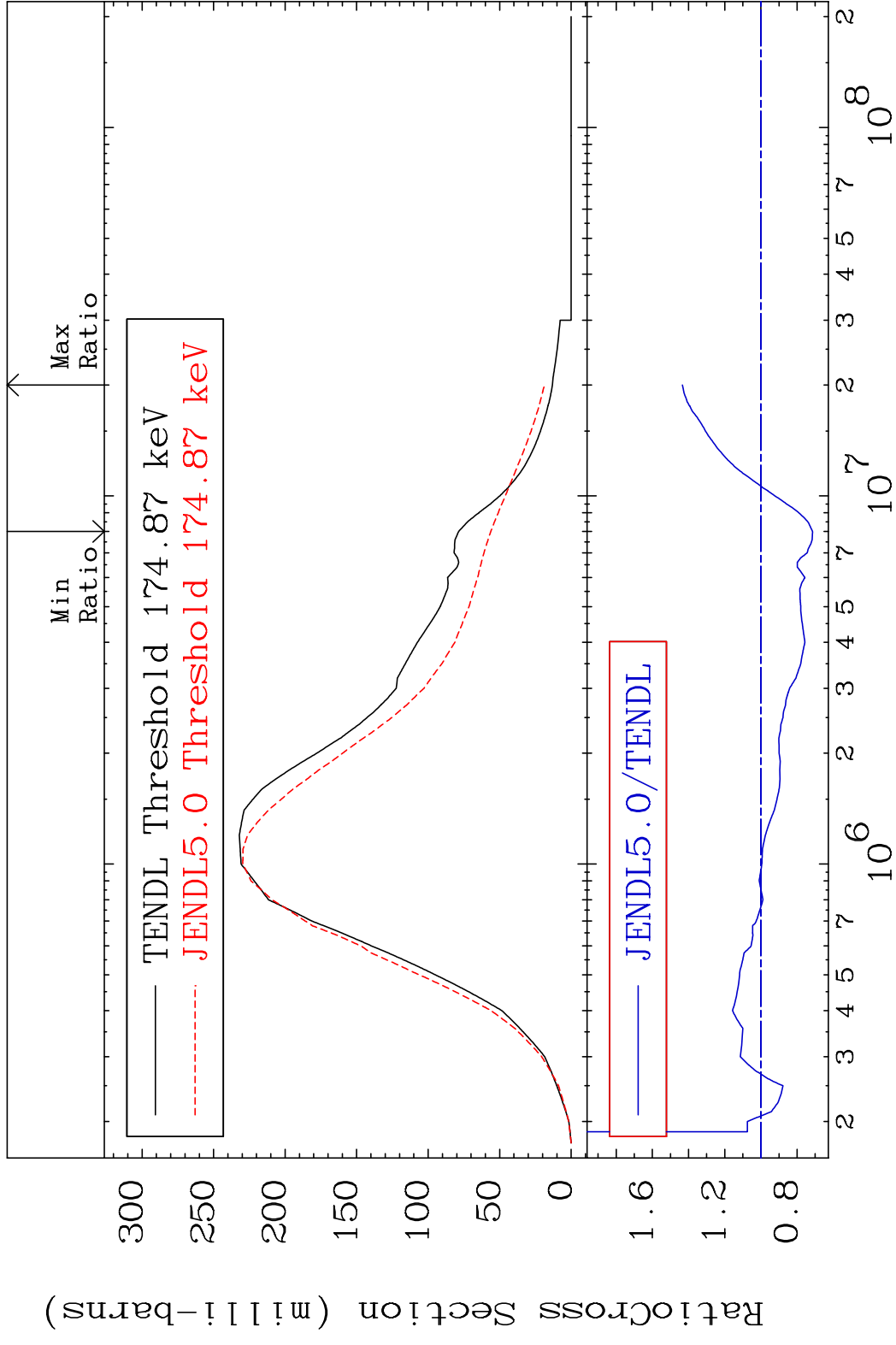
90-Th-230

MAT 9034 MT= 51 (n, n') Level 90-Th-230  
 Cross Section -43.75 To 16.72 %

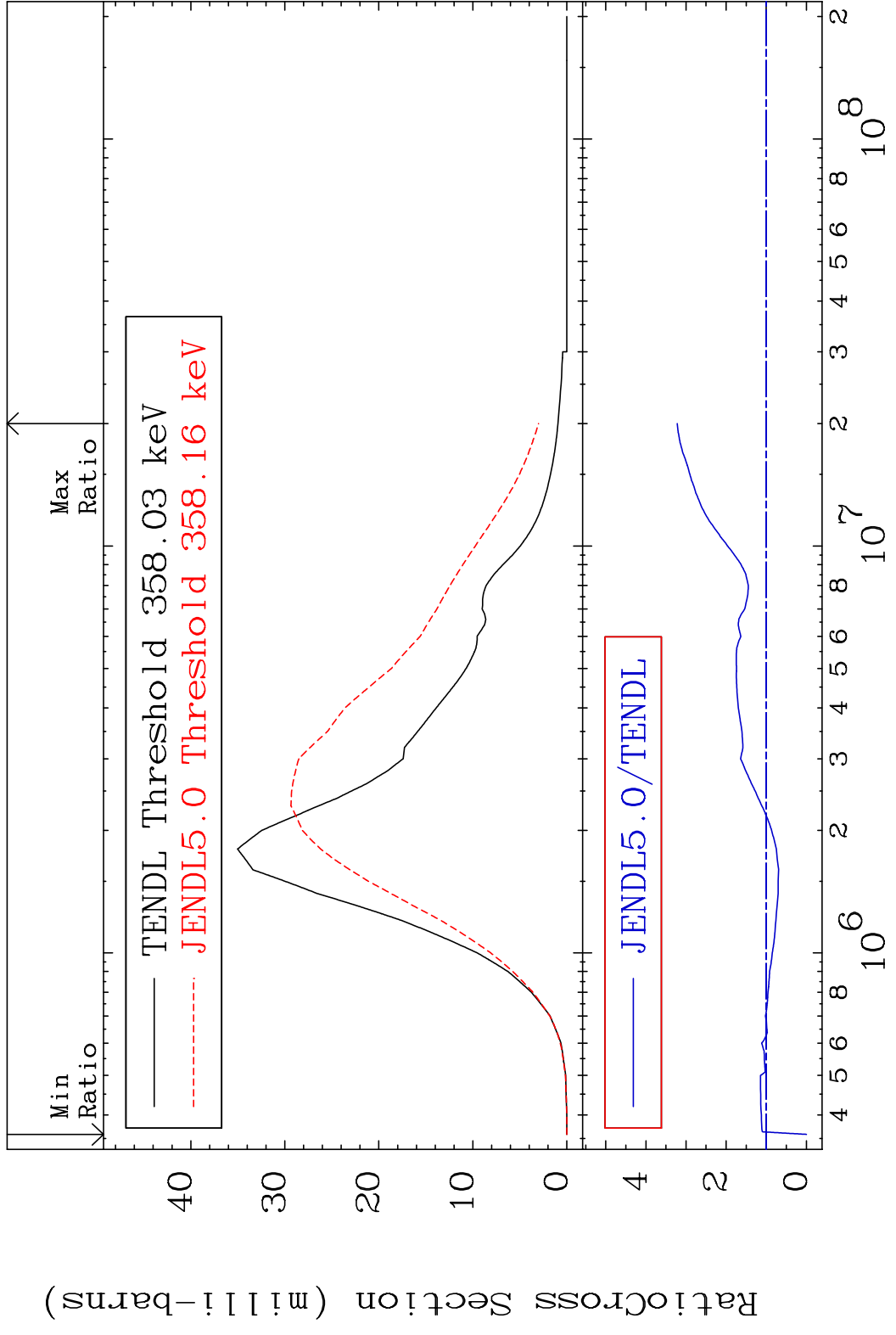


8 8 90-Th-230

MAT 9034 MT= 52 (n, n') Level 90-Th-230  
 Cross Section -28.57 To 43.42 %

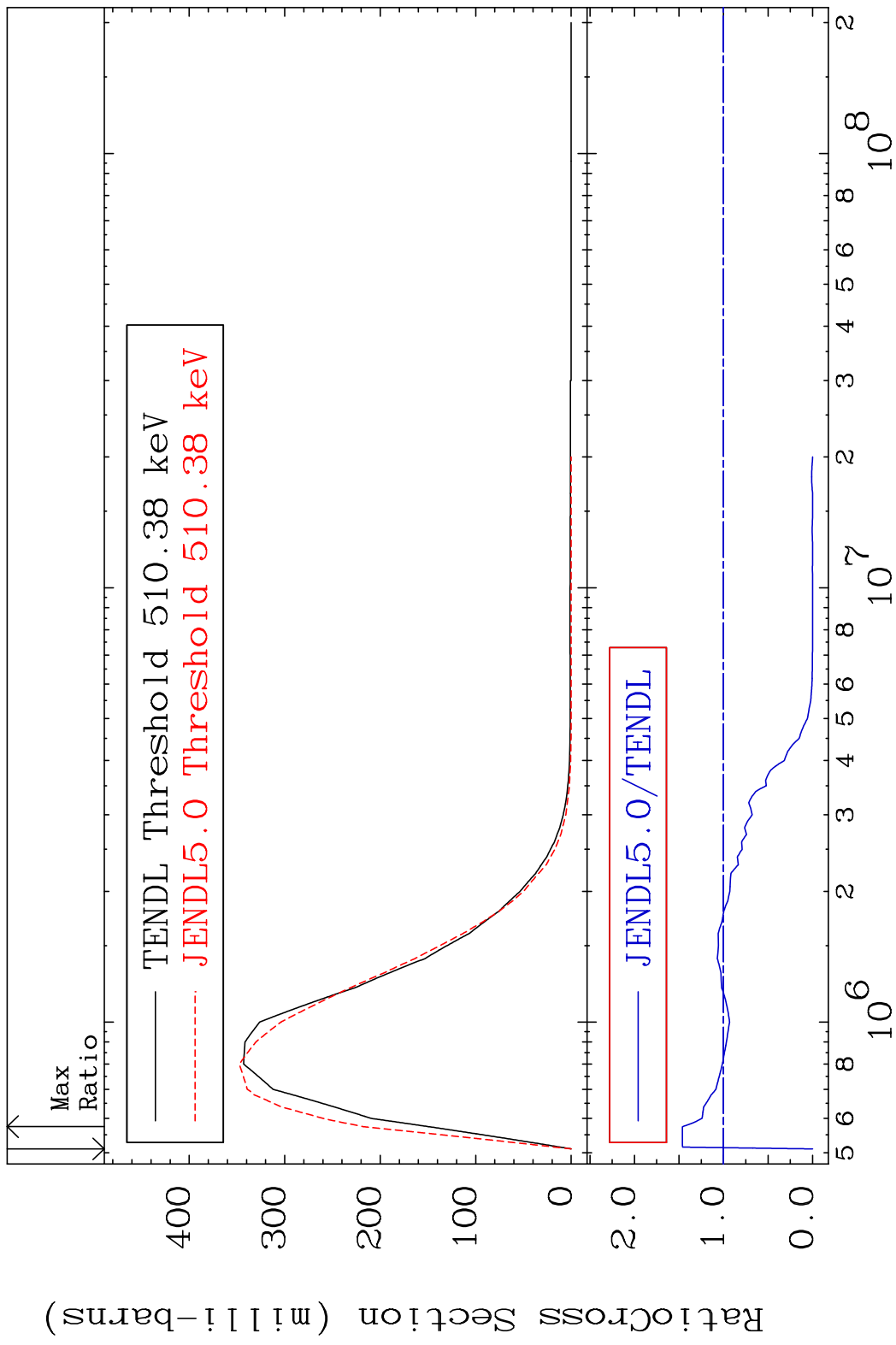


MAT 9034 MT= 53 (n, n') Level 90-Th-230  
 Cross Section -100.0 To 222.0 %

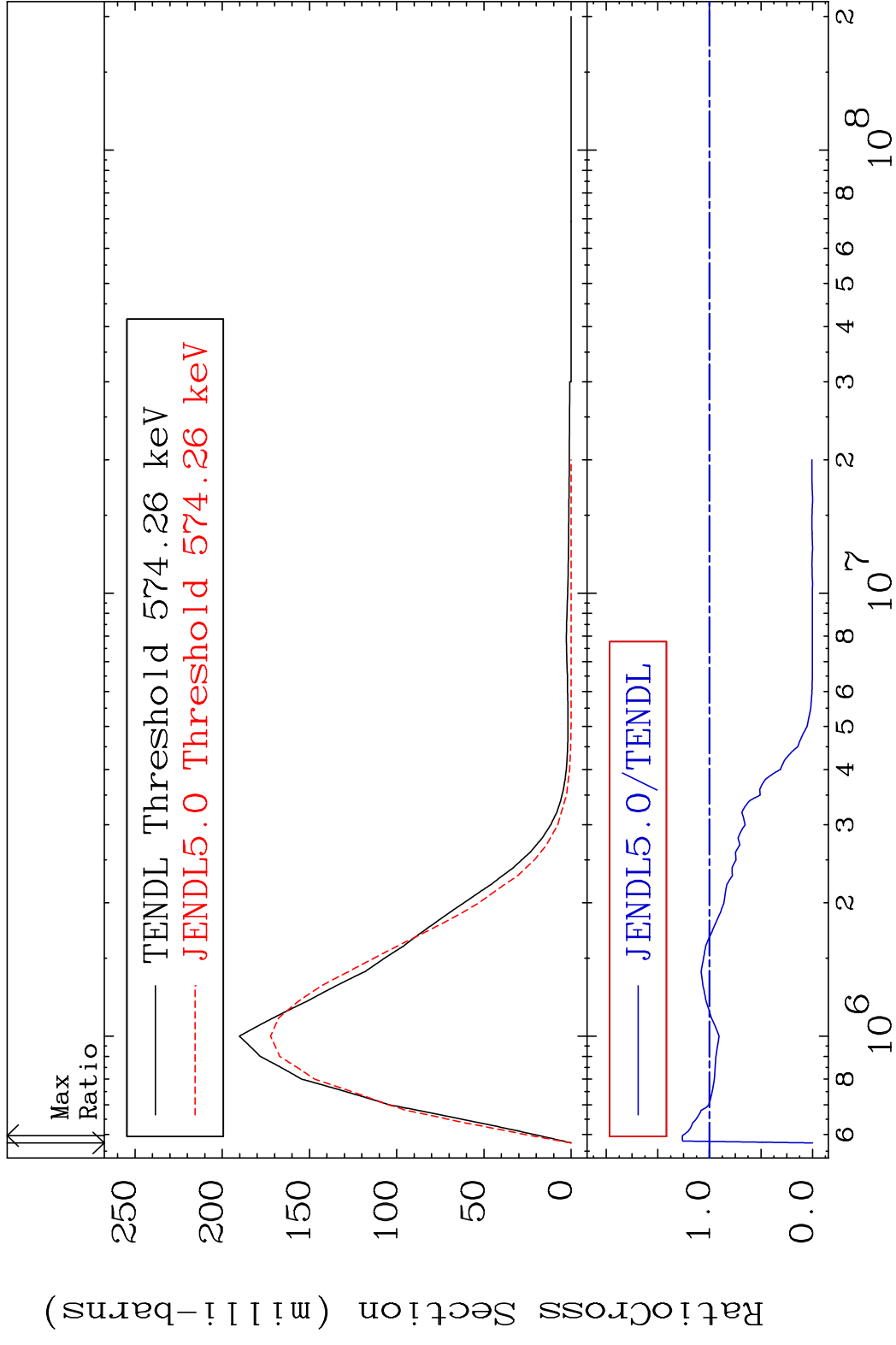


10 10 10 2 3 4 5 6 8 10 8 10 2

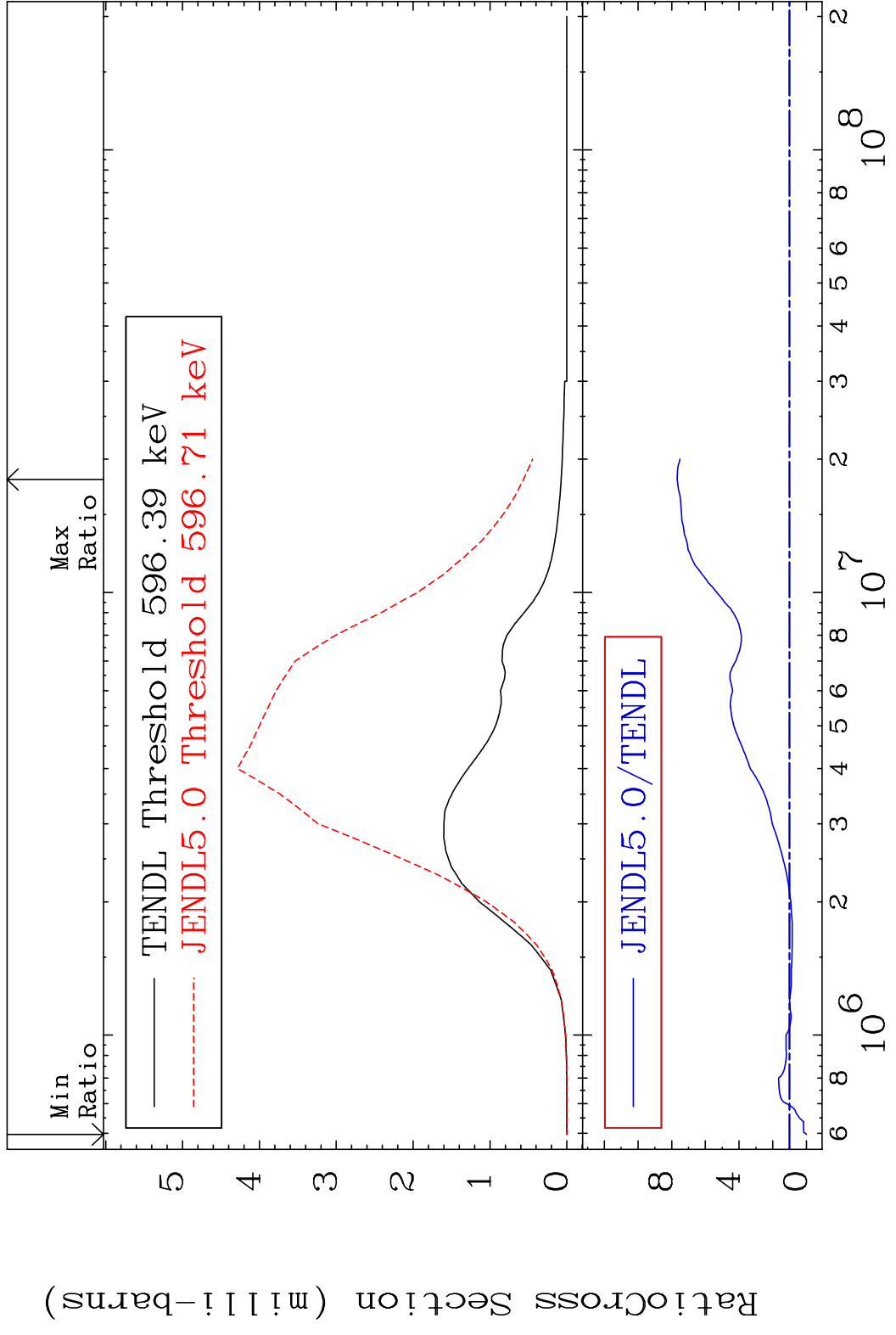
MAT 9034 MT= 54 (n,n') Level 90-Th-230  
 Cross Section -100.0 To 46.22 %



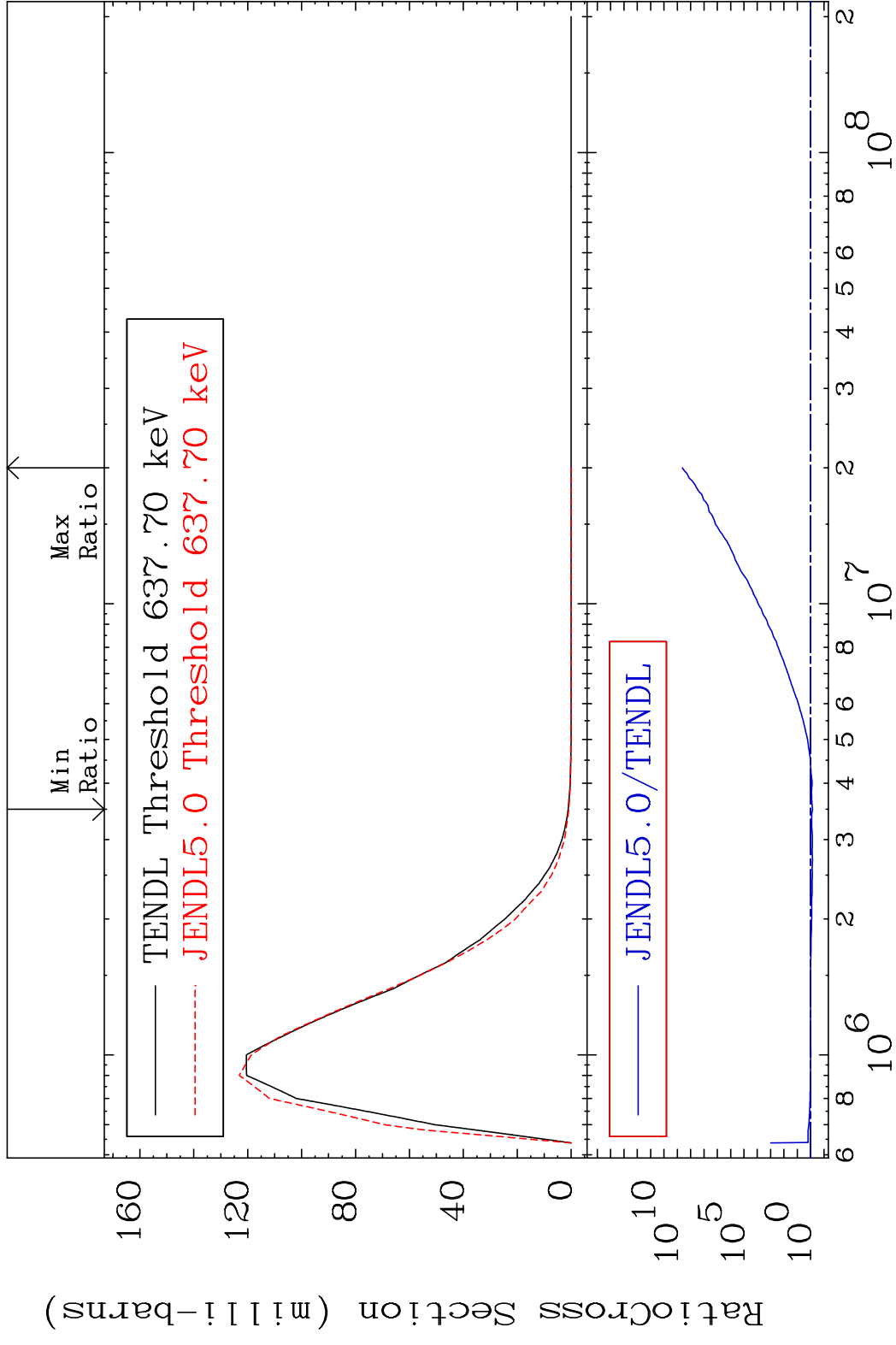
MAT 9034 MT= 55 (n,n') Level 90-Th-230  
 Cross Section -100.0 To 26.23 %



MAT 9034 MT= 56 (n,n') Level 90-Th-230  
 Cross Section -100.0 To 667.5 %

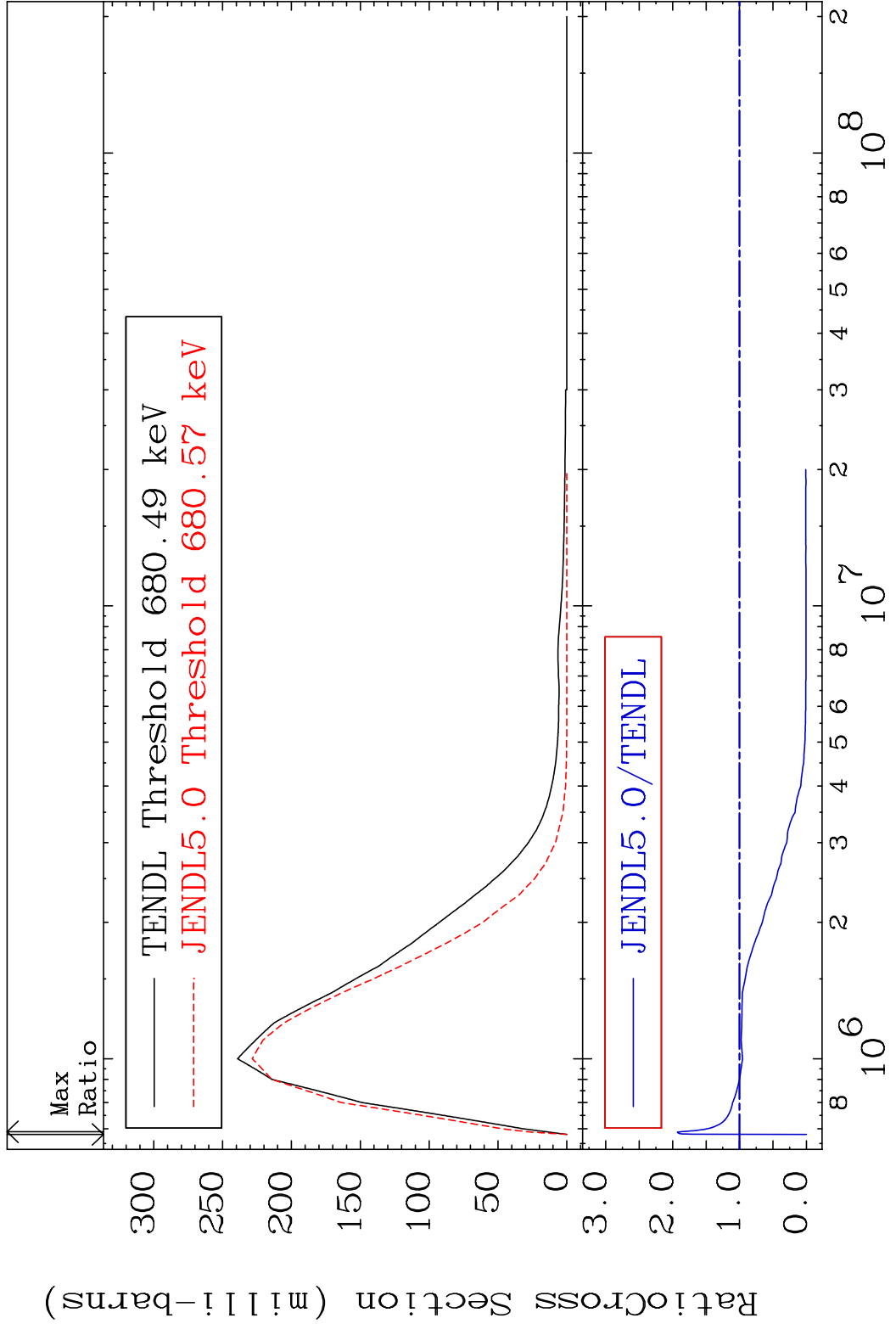


MAT 9034 MT= 57 (n, n') Level 90-Th-230  
 Cross Section -28.42 To 9999. %

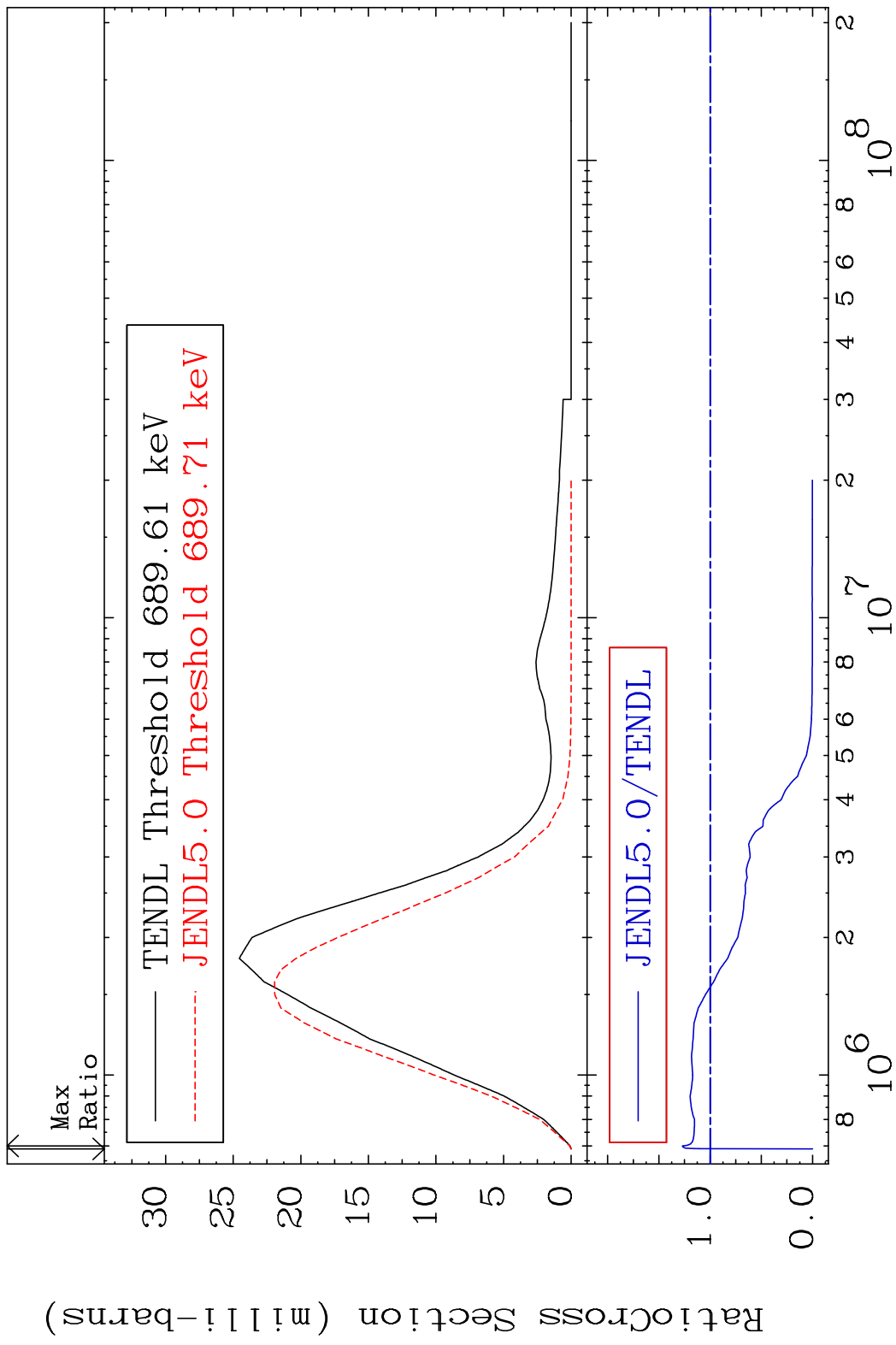


14 Incident Energy (eV) 90-Th-230

MAT 9034 MT= 58 (n,n') Level 90-Th-230  
 Cross Section -100.0 To 93.21 %



MAT 9034 MT= 59 (n,n') Level 90-Th-230  
 Cross Section -100.0 To 27.09 %

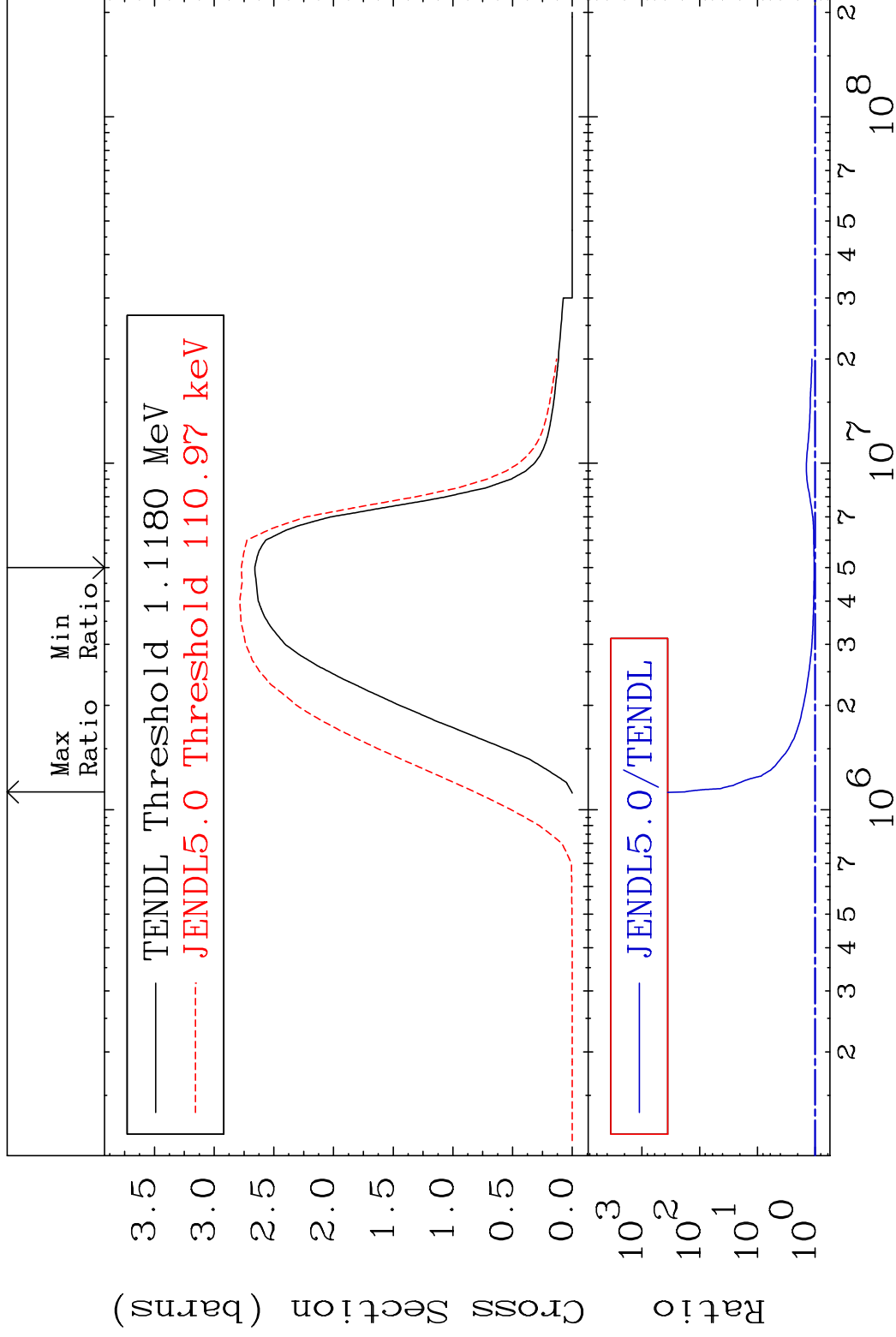


MAT 9034

(n, n') Continuum

90-Th-230

Cross Section 4.233 To 9999. %



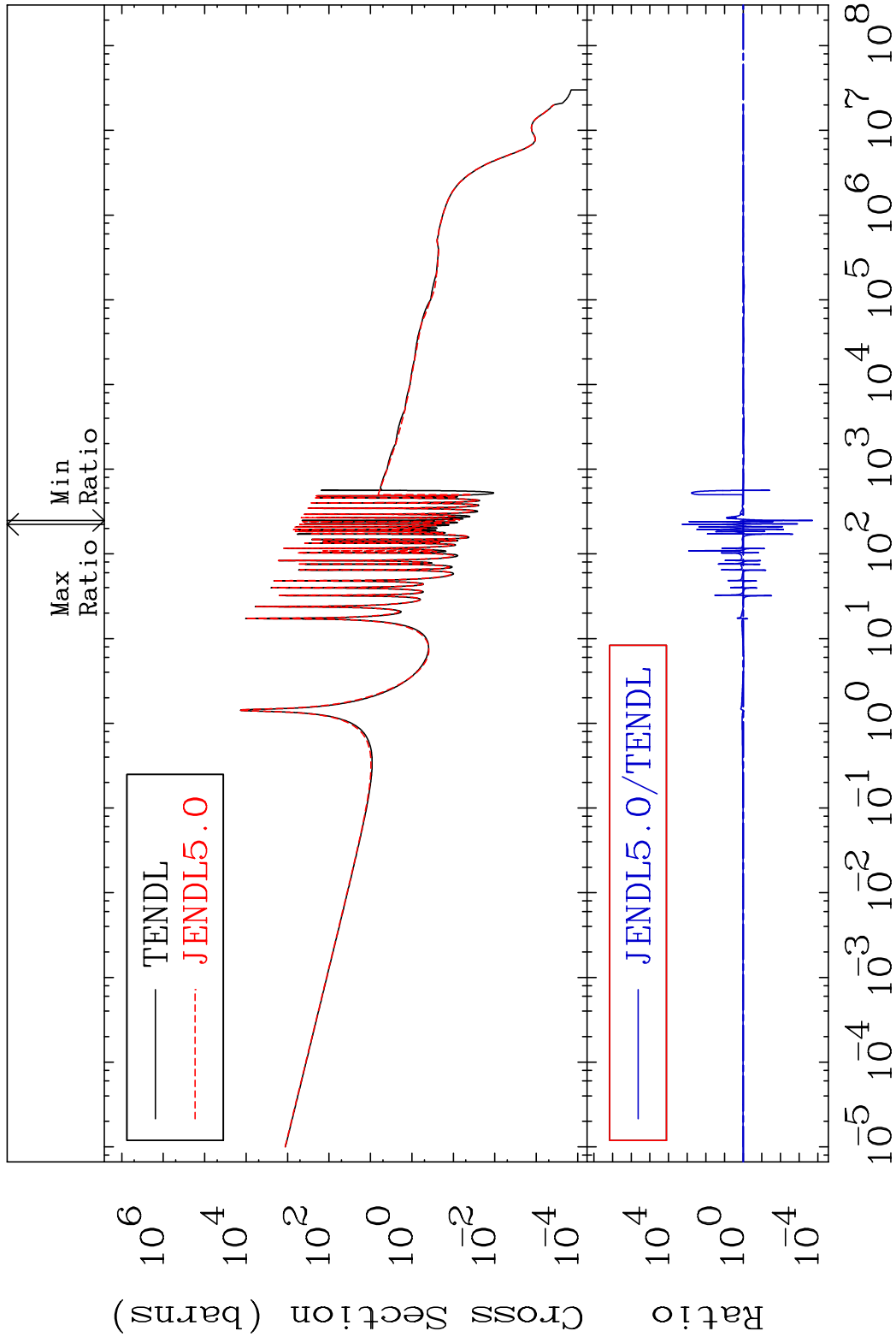
17

Incident Energy (eV)

90-Th-230

MAT 9034

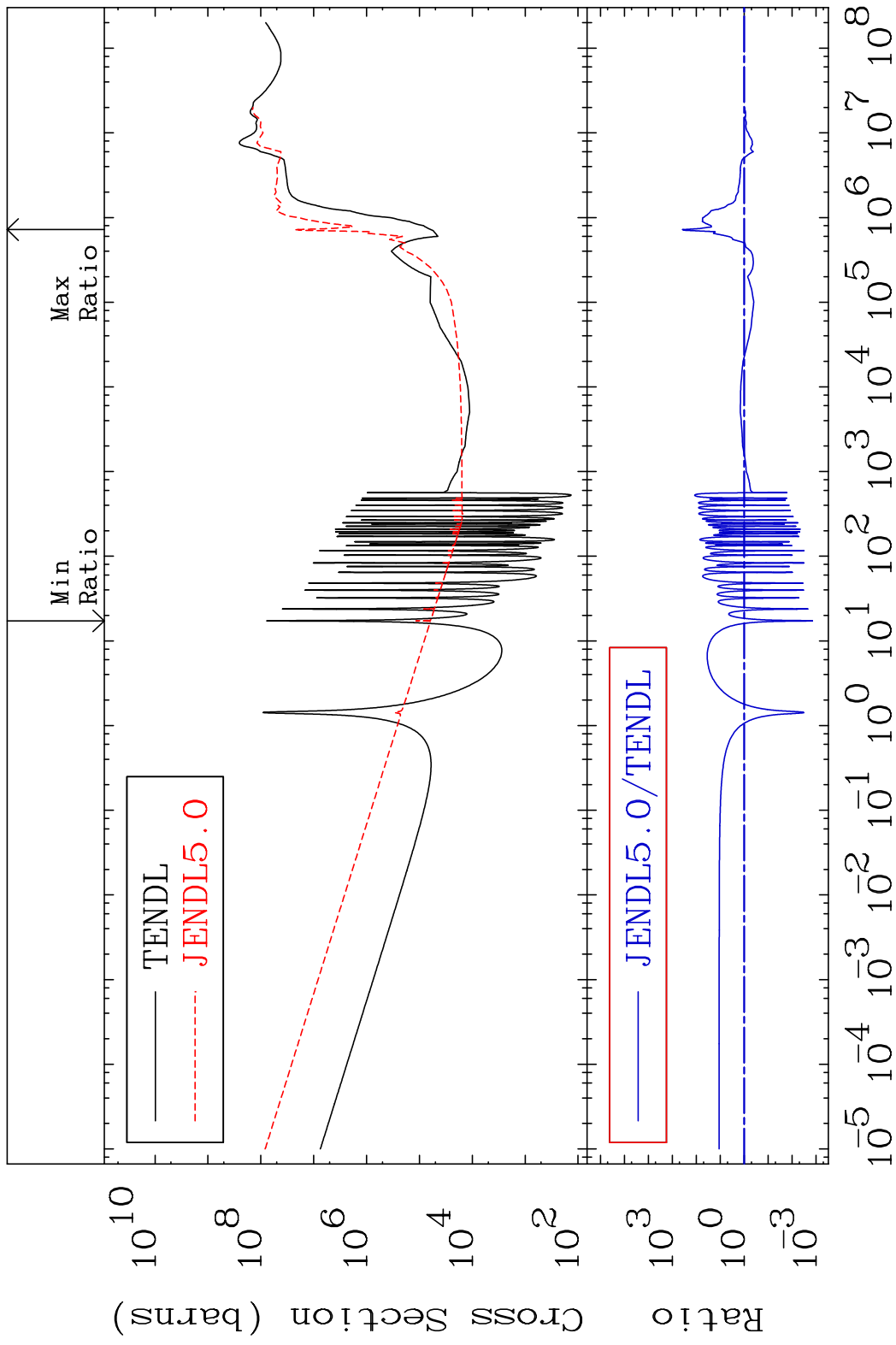
(n,  $\gamma$ )  
Cross Section -99.98 To 9999. %  
90-Th-230



18

Incident Energy (eV) 90-Th-230

MAT 9034 Kerma total (eV-barns) 90-Th-230  
 Cross Section -99.86 To 9999. %

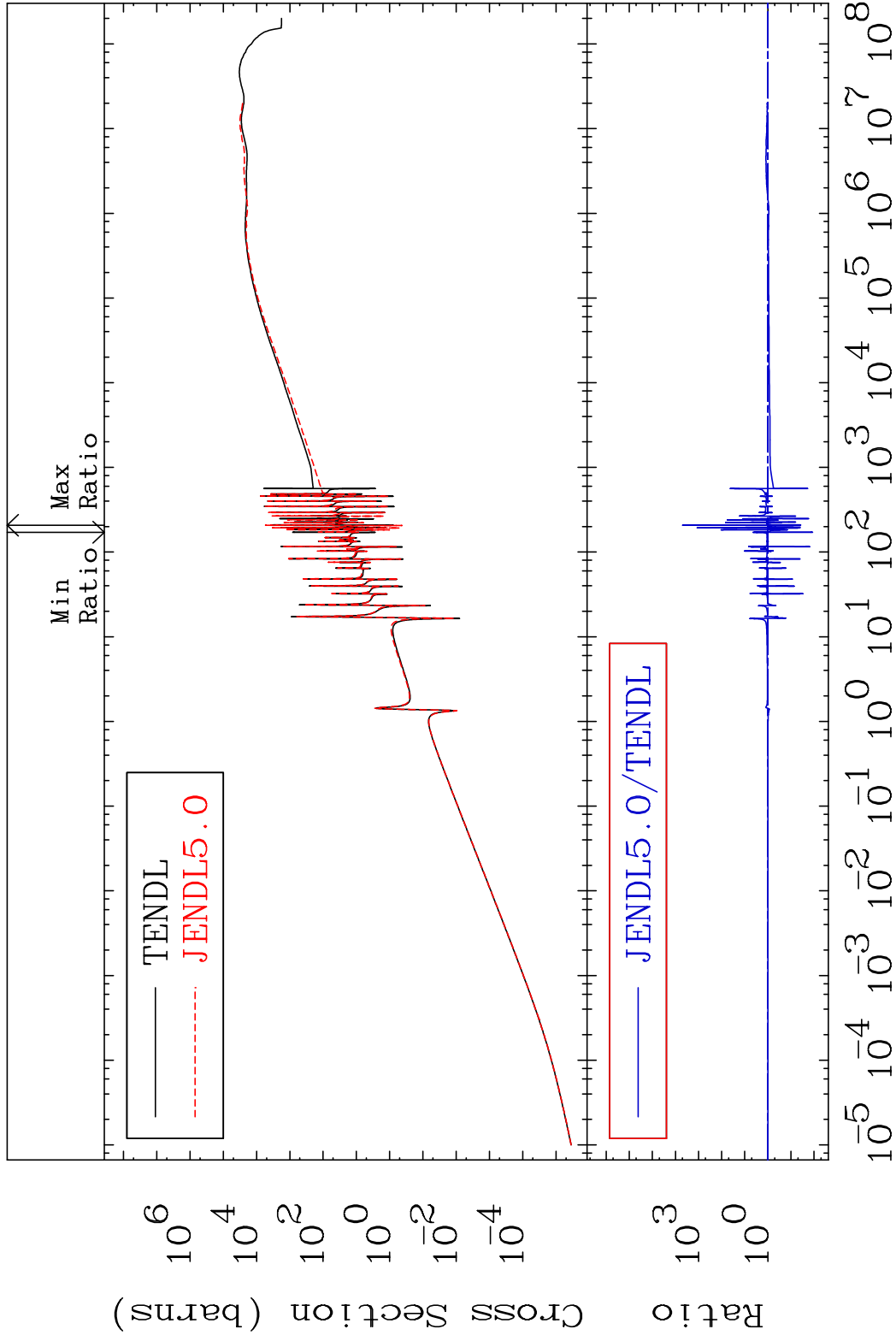


MAT 9034

Kerma elastic

90-Th-230

Cross Section -98.84 To 9999. %

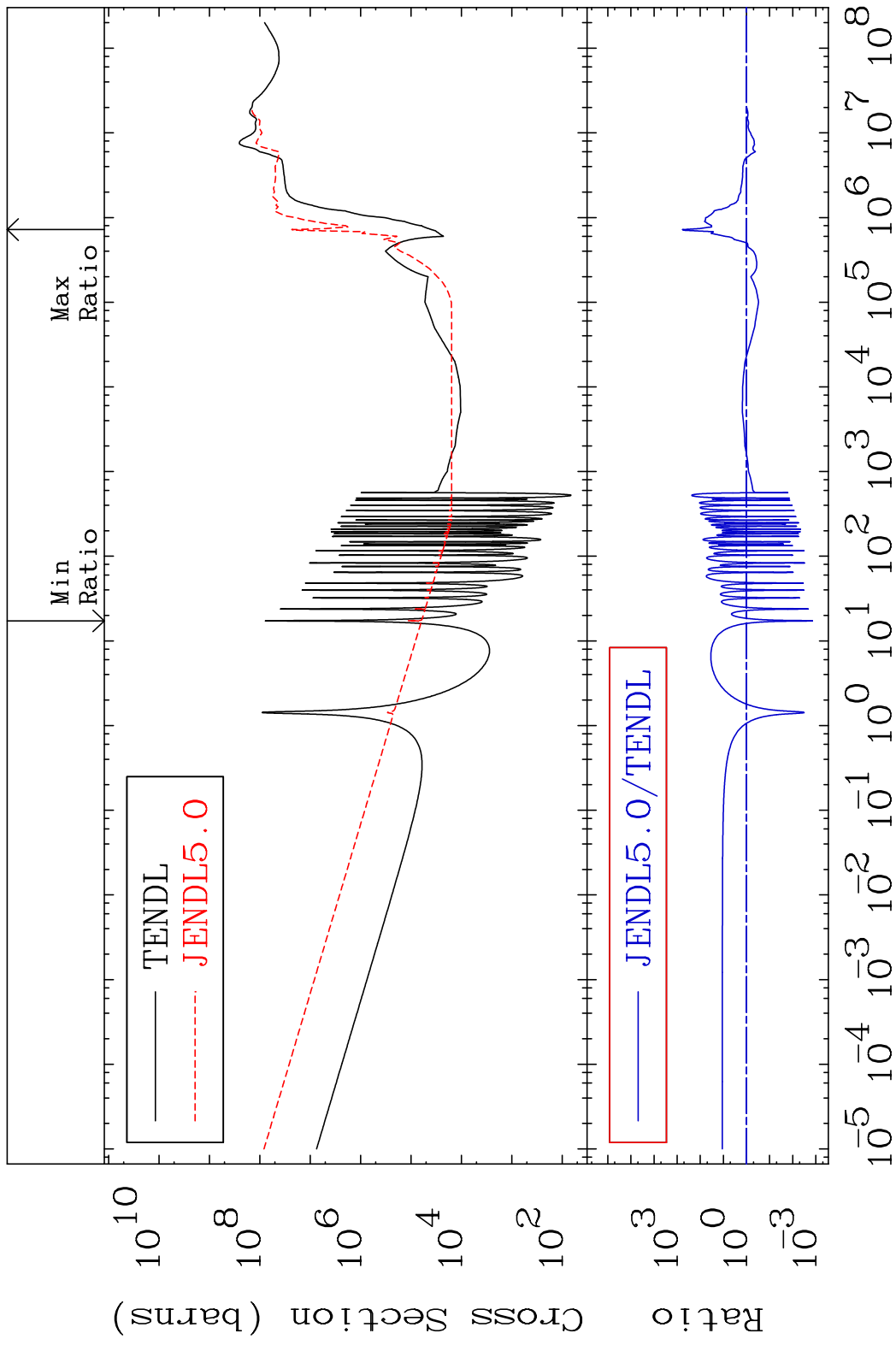


20

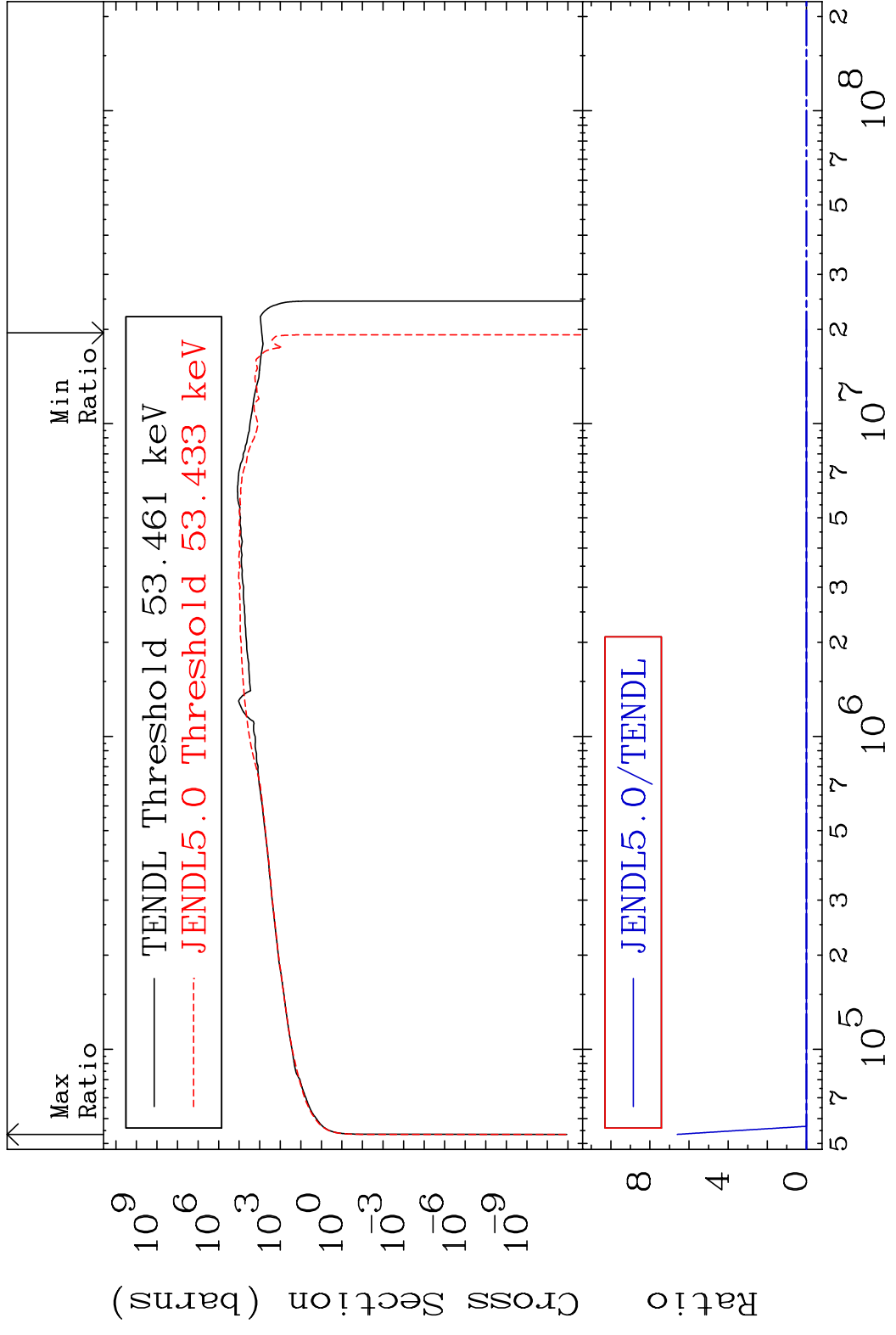
Incident Energy (eV)

90-Th-230

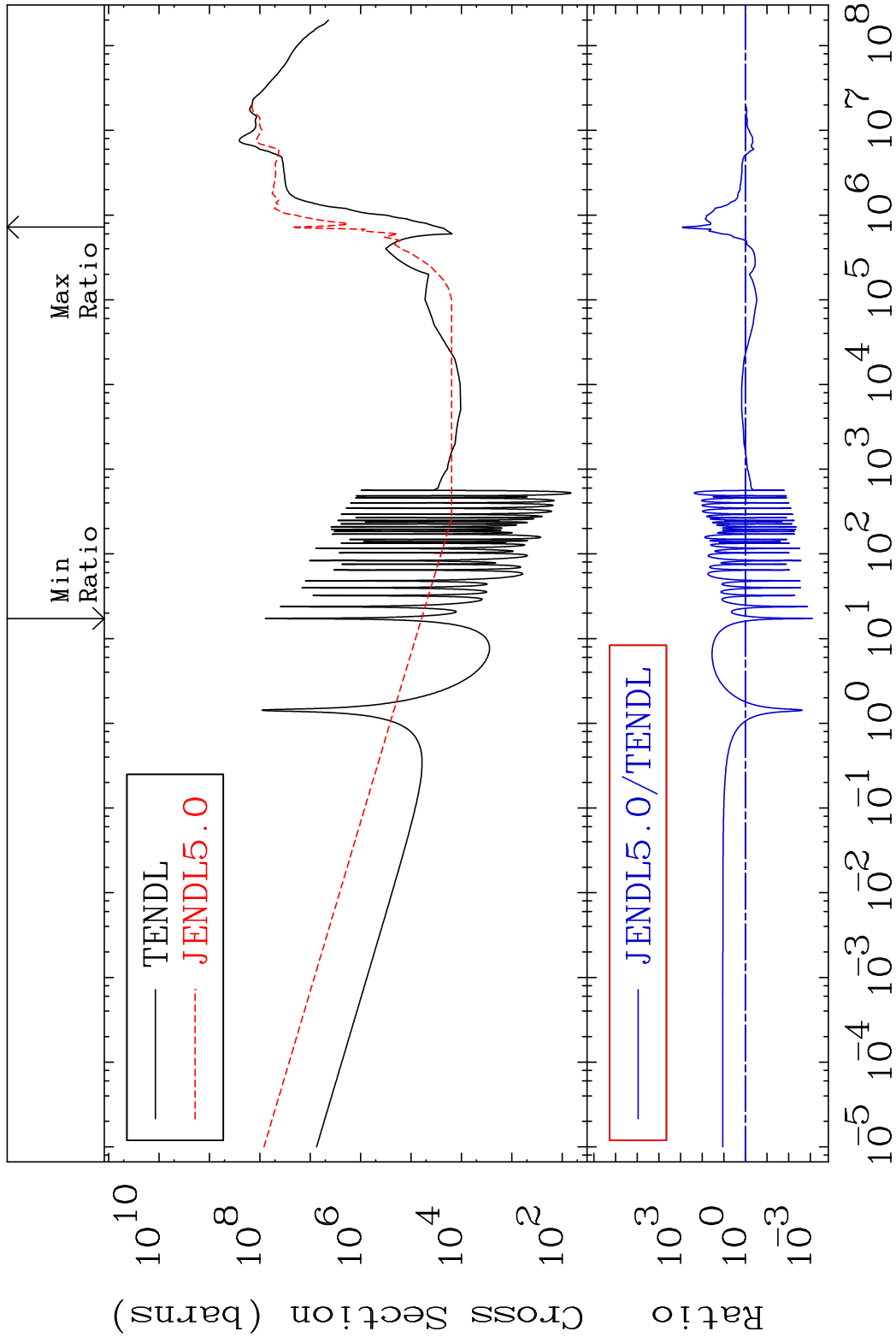
MAT 9034 Kerma non-elastic (all but mt2) 90-Th-230  
 Cross Section -99.86 To 9999. %



MAT 9034 Kerma inelastic (mt51-91) 90-Th-230  
 Cross Section -123.7 To 9999. %

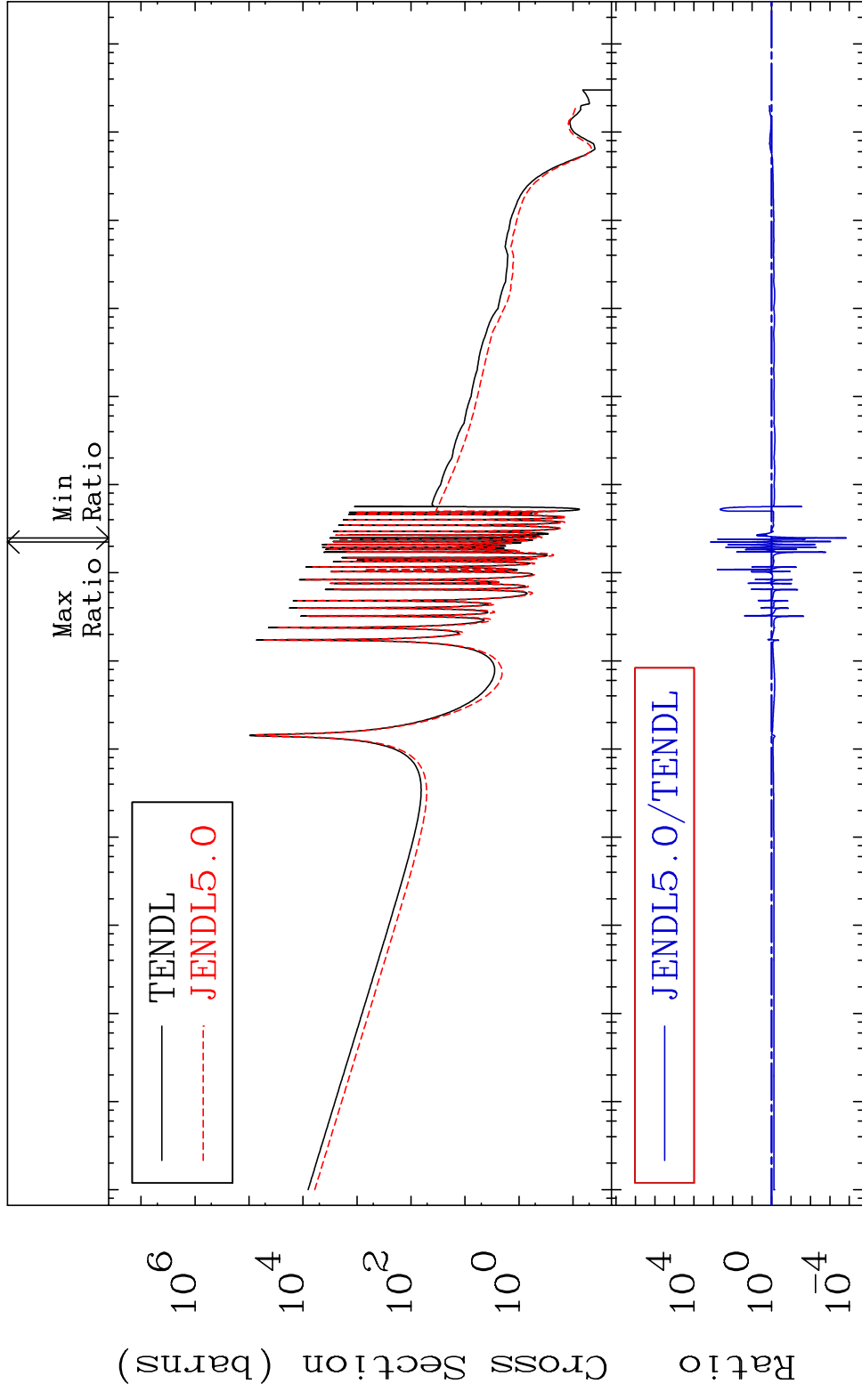


MAT 9034 Kerma fission (mt18 or mt19-20-21-38) 90-Th-230  
 Cross Section -99.92 To 9999. %

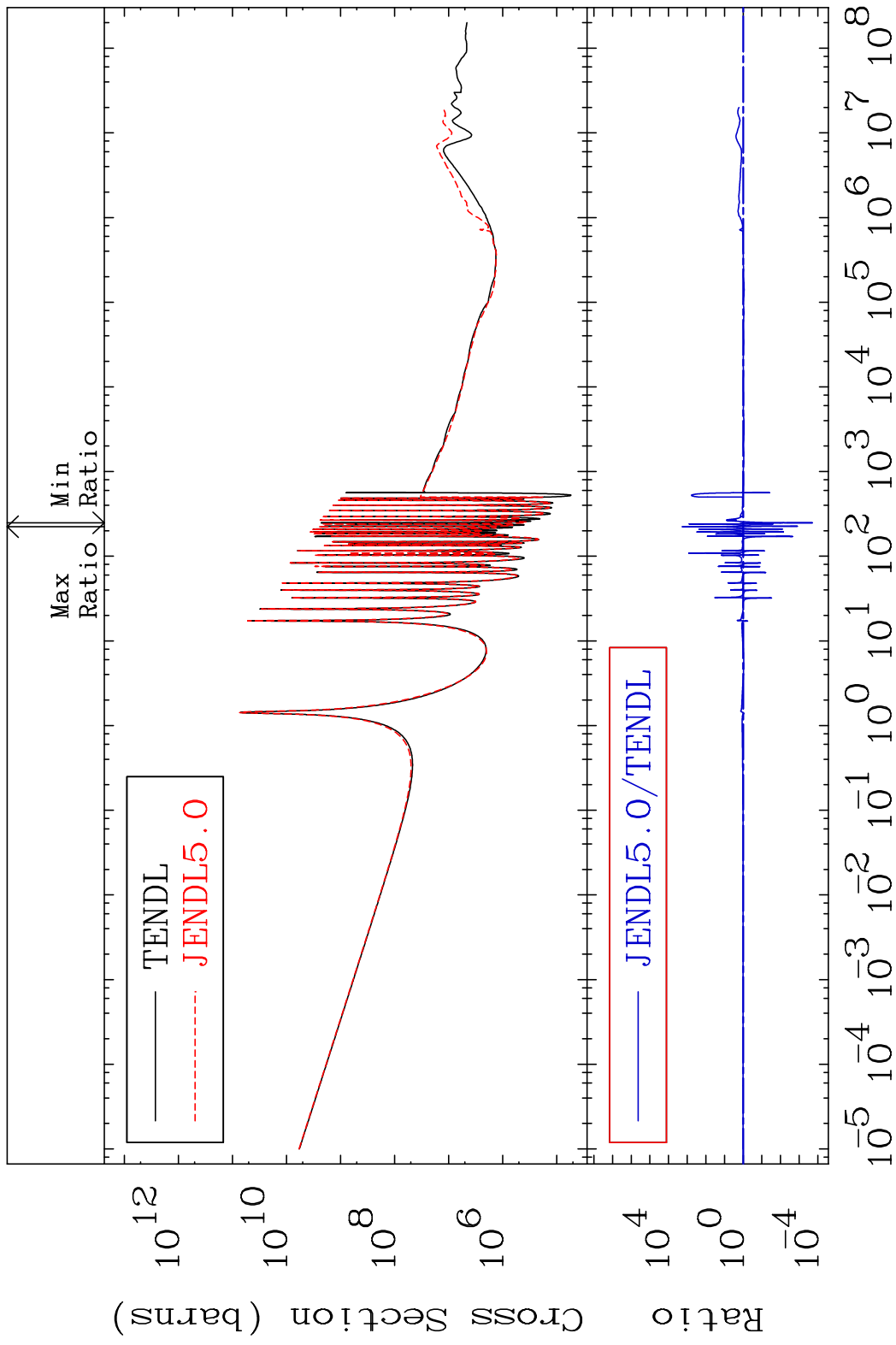


MAT 9034

Kerma capture (mt102) 90-Th-230  
Cross Section -99.99 To 9999. %

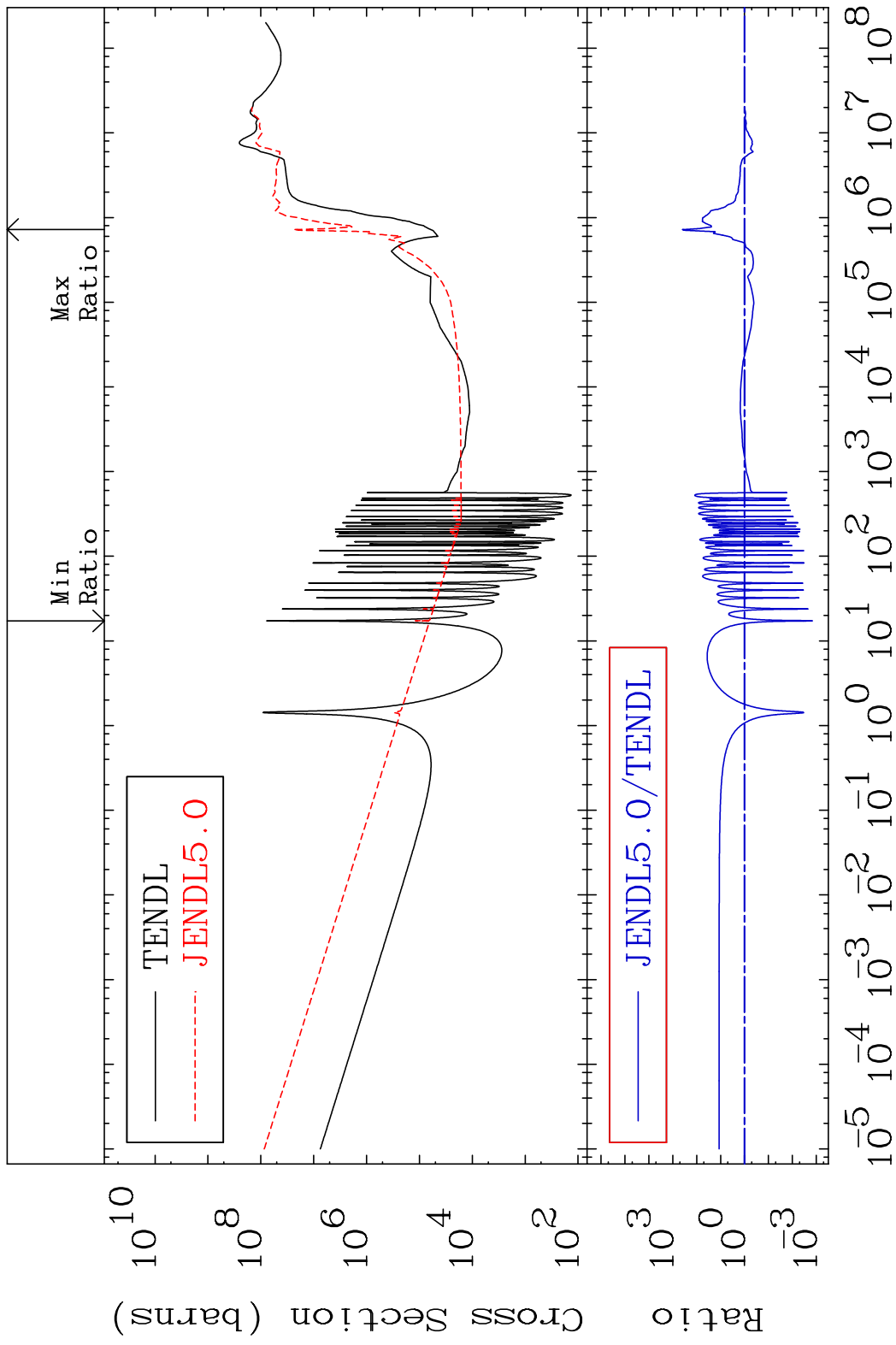


MAT 9034 Total photon (eV-barns) 90-Th-230  
 Cross Section -99.98 To 9999. %

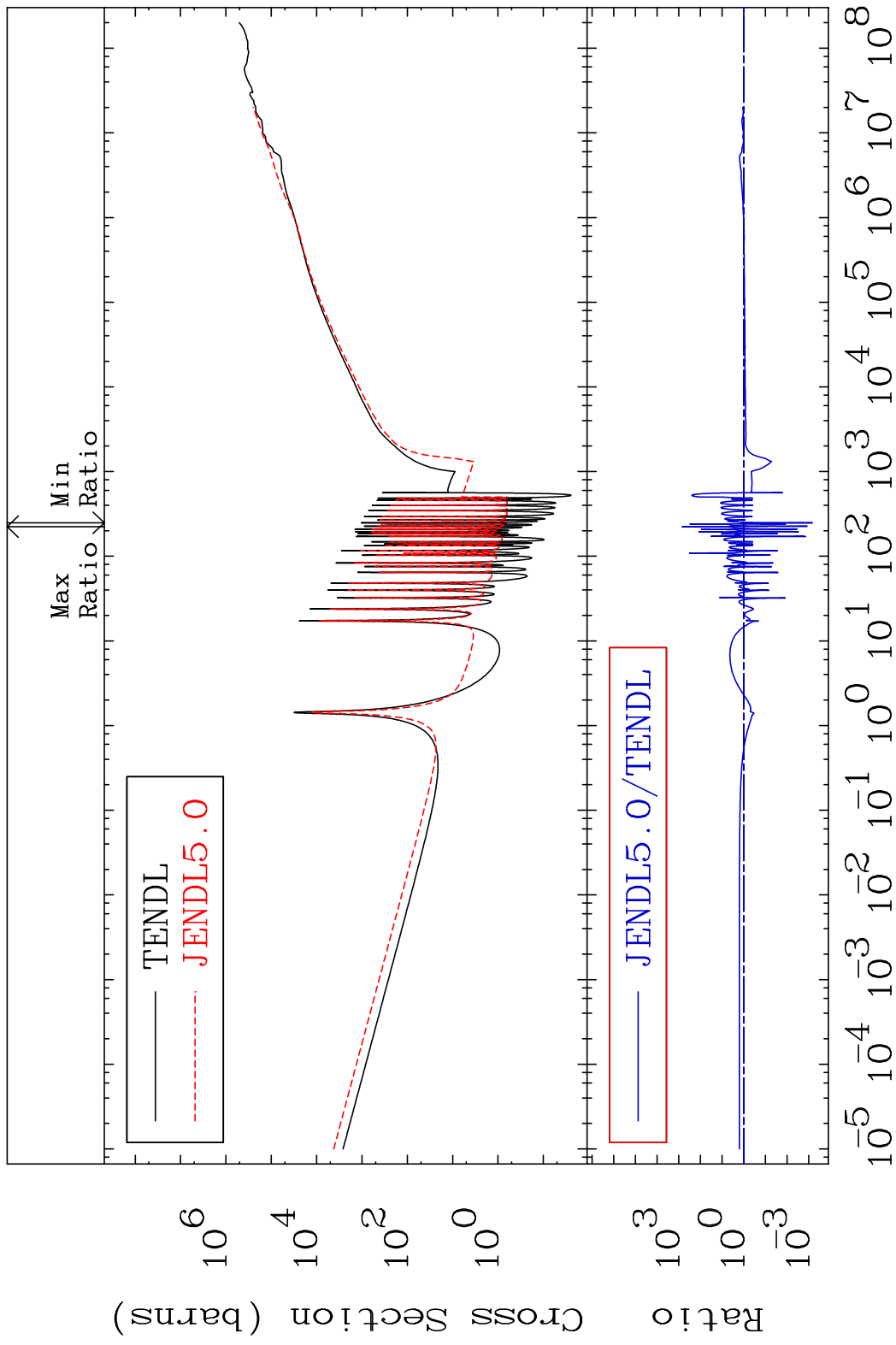


25 Incident Energy (eV) 90-Th-230

MAT 9034 Total kinematic kerma (high limit) 90-Th-230  
 Cross Section -99.86 To 9999. %



MAT 9034      Dpa total (eV-barns)      90-Th-230  
 Cross Section      -99.93 To 9999. %

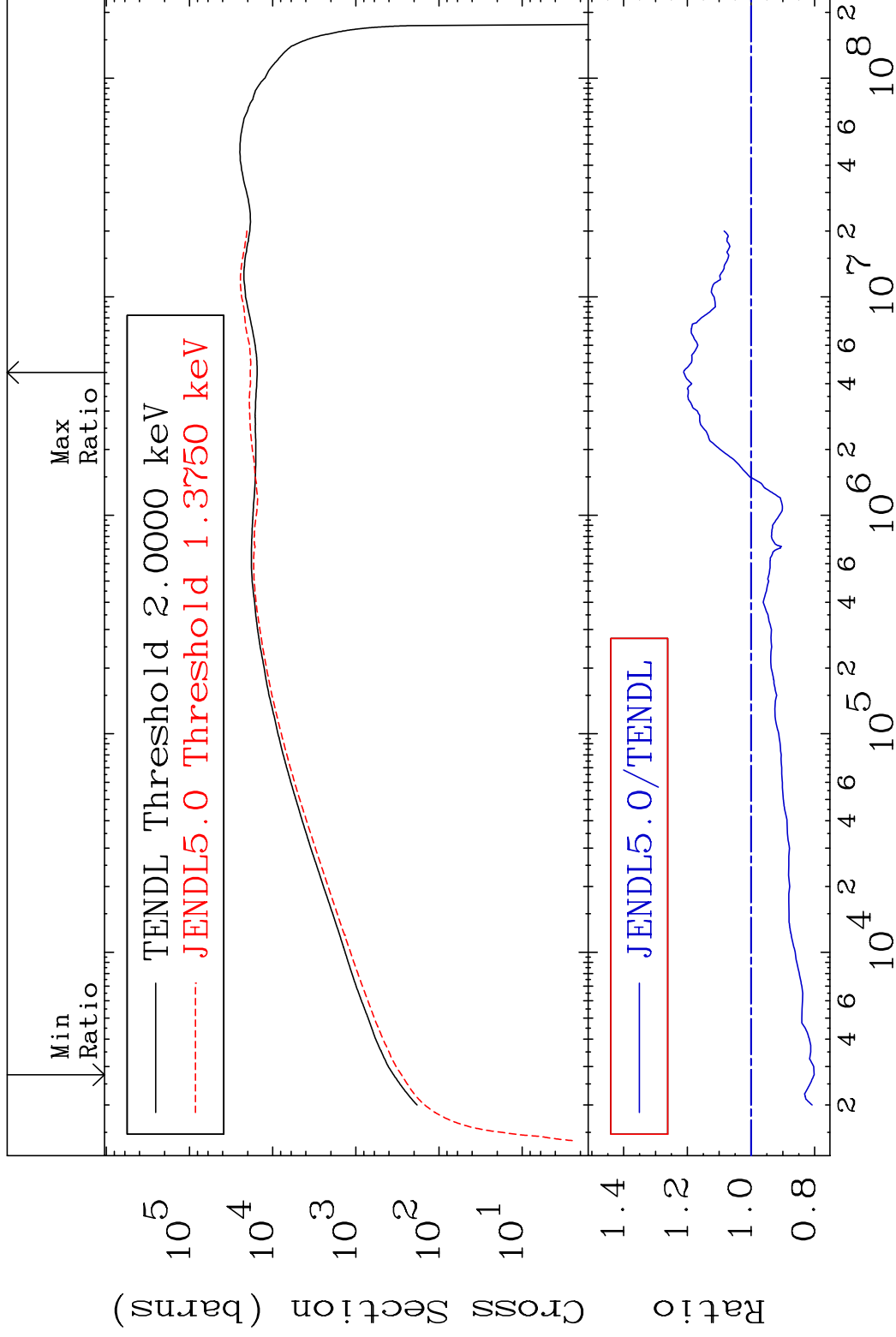


MAT 9034

Dpa elastic (mt2)

90-Th-230

Cross Section -19.83 To 21.16 %

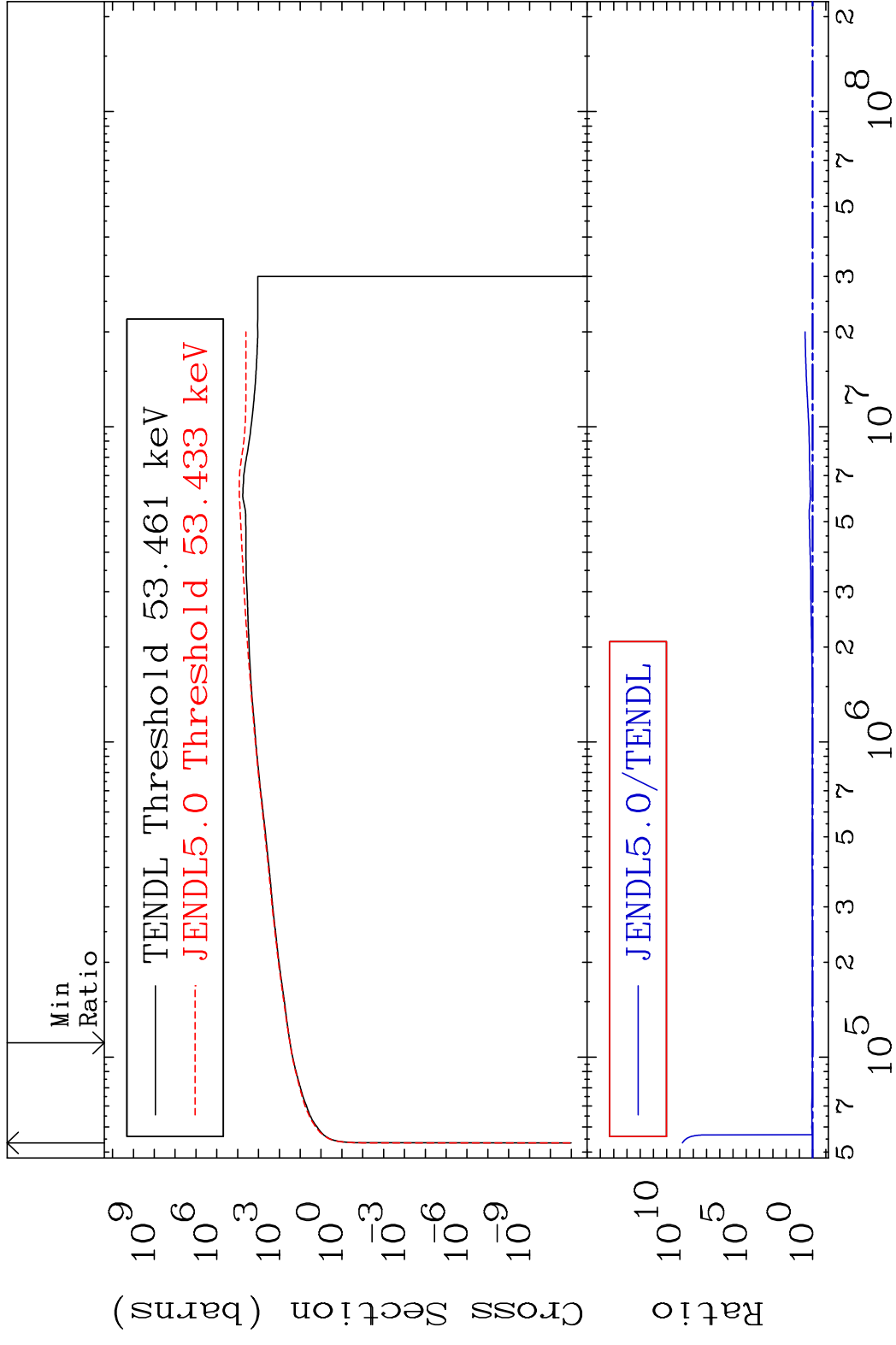


28

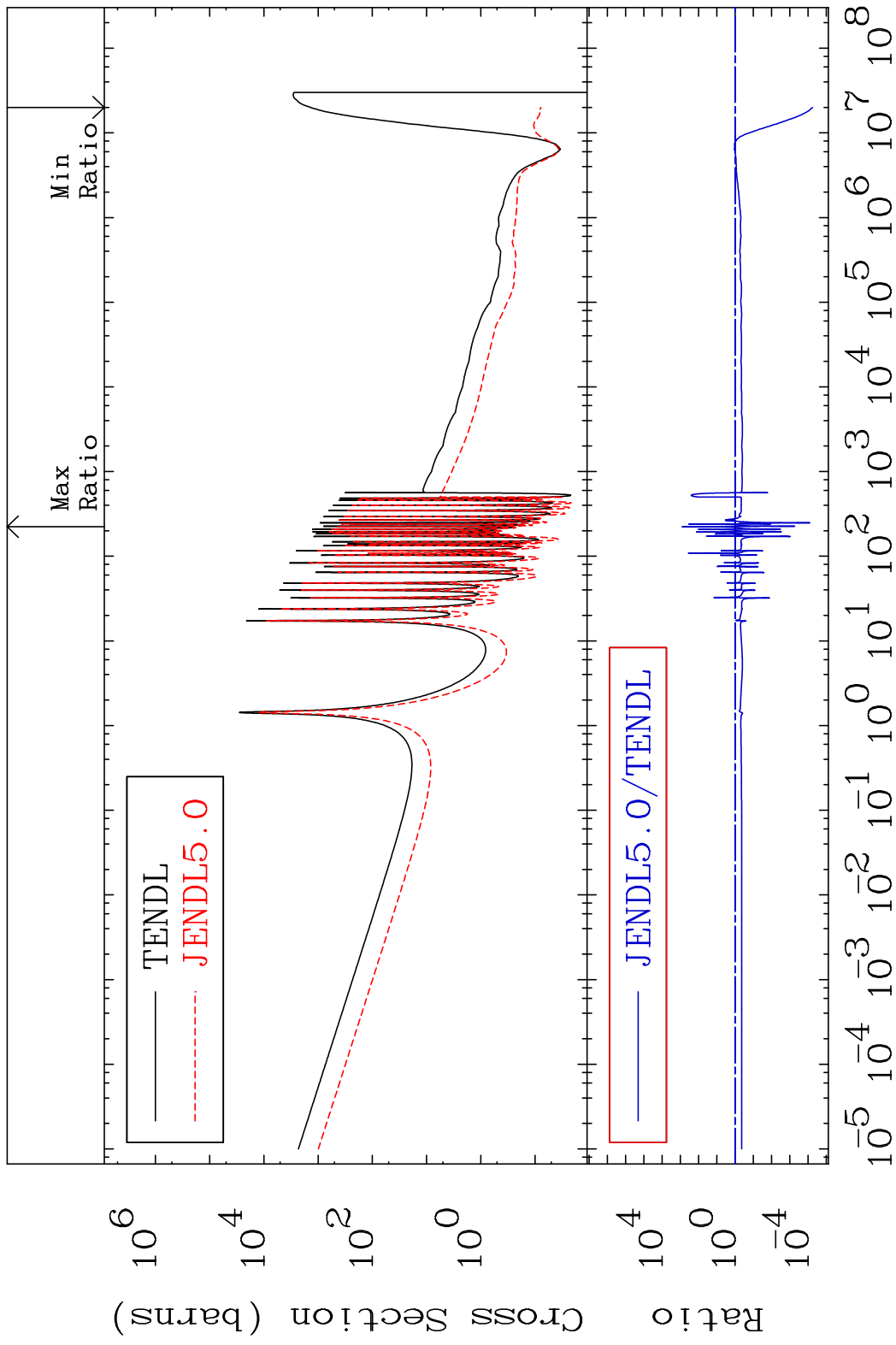
Incident Energy (eV)

90-Th-230

MAT 9034      Dpa inelastic (mt51-91)      90-Th-230  
 Cross Section    1.075    To 9999. %

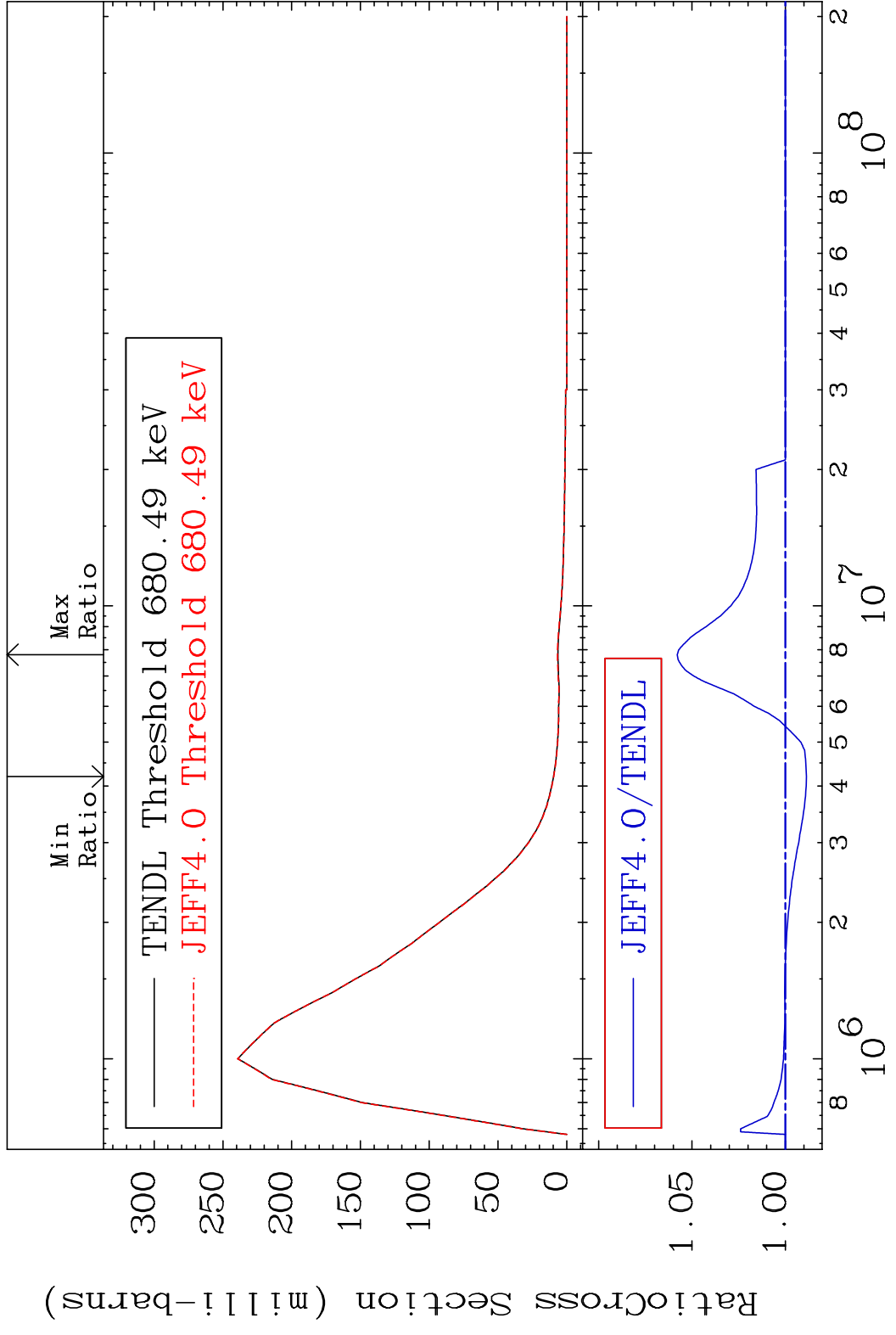


MAT 9034 Dpa disappearance (mt102 -120) 90-Th-230  
 Cross Section -99.99 To 9999. %

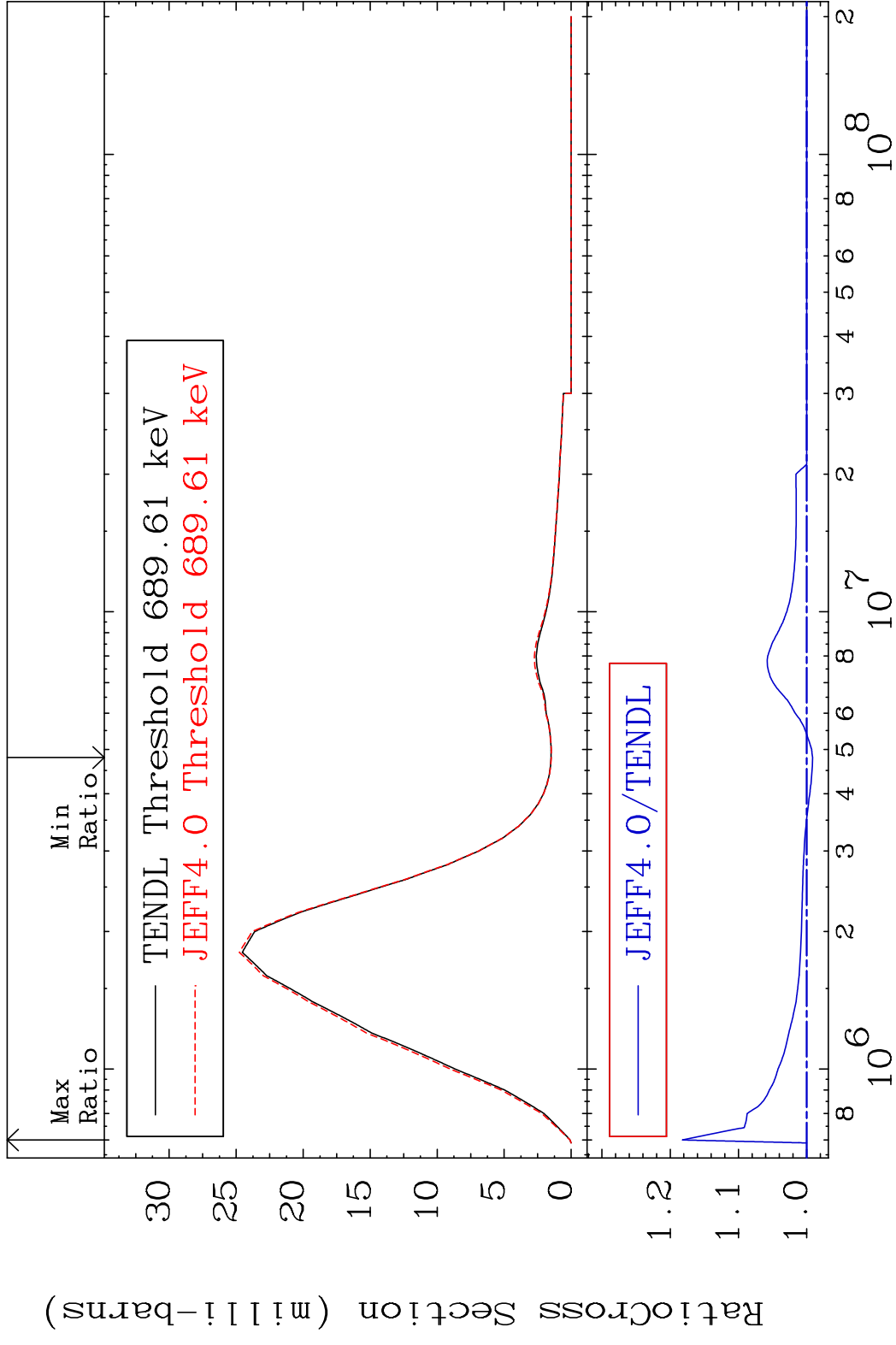


30 Incident Energy (eV) 90-Th-230

MAT 9034 MT= 58 (n, n') Level 90-Th-230  
 Cross Section -1.131 To 5.793 %

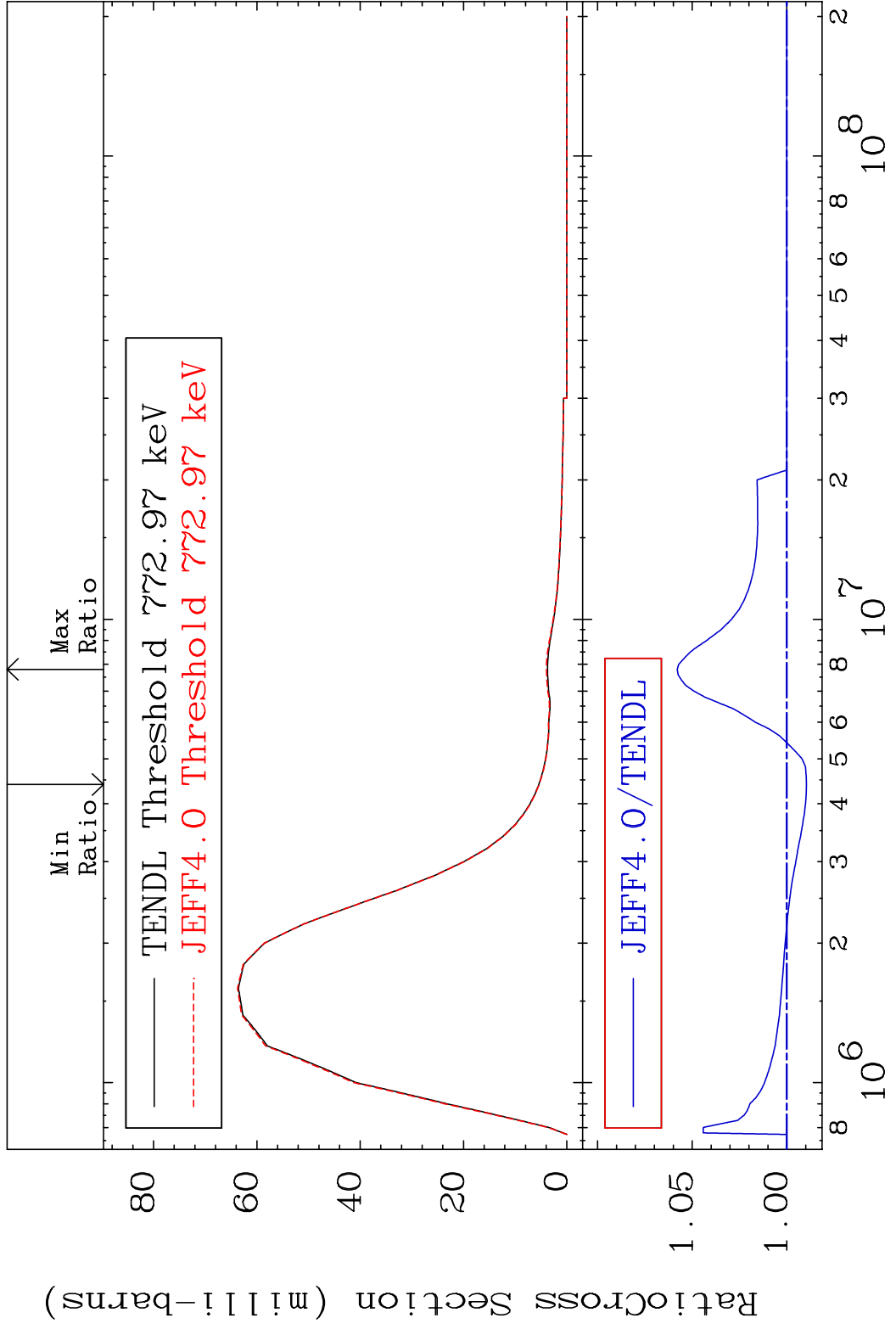


MAT 9034 MT= 59 (n, n') Level 90-Th-230  
 Cross Section -0.863 To 18.22 %



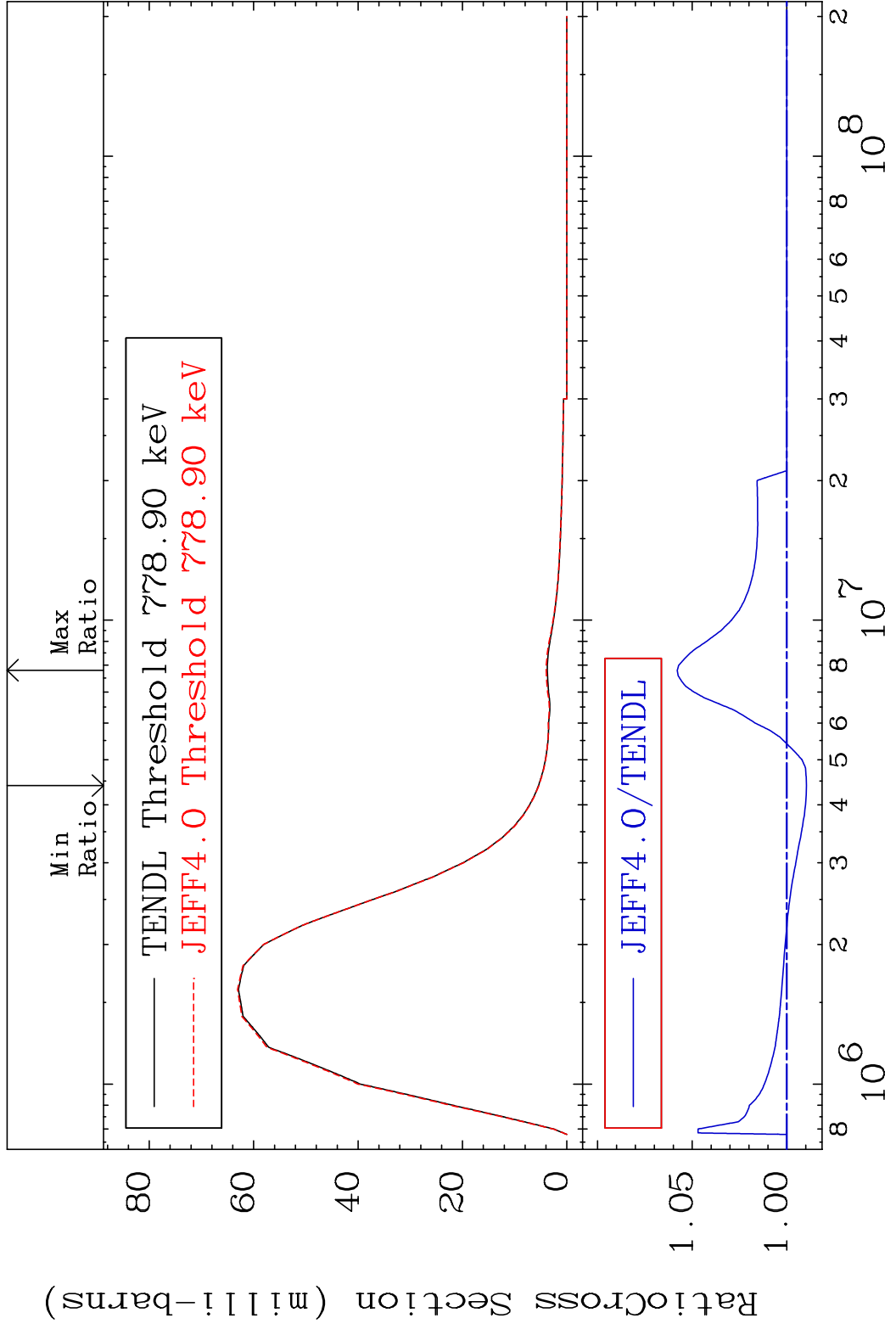
32 Incident Energy (eV) 90-Th-230

MAT 9034 MT= 60 (n, n') Level 90-Th-230  
 Cross Section -1.037 To 5.793 %

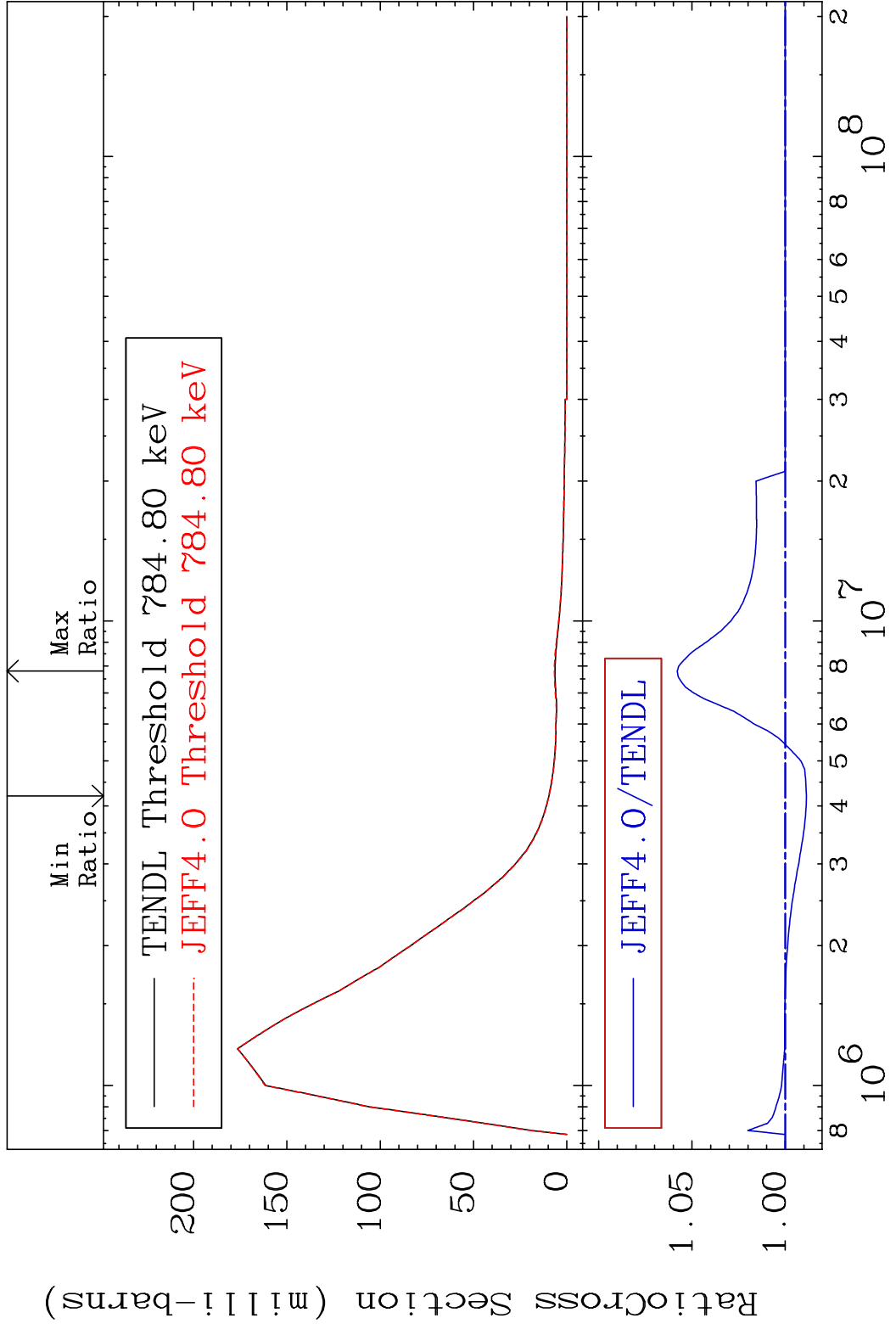


33 Incident Energy (eV) 90-Th-230

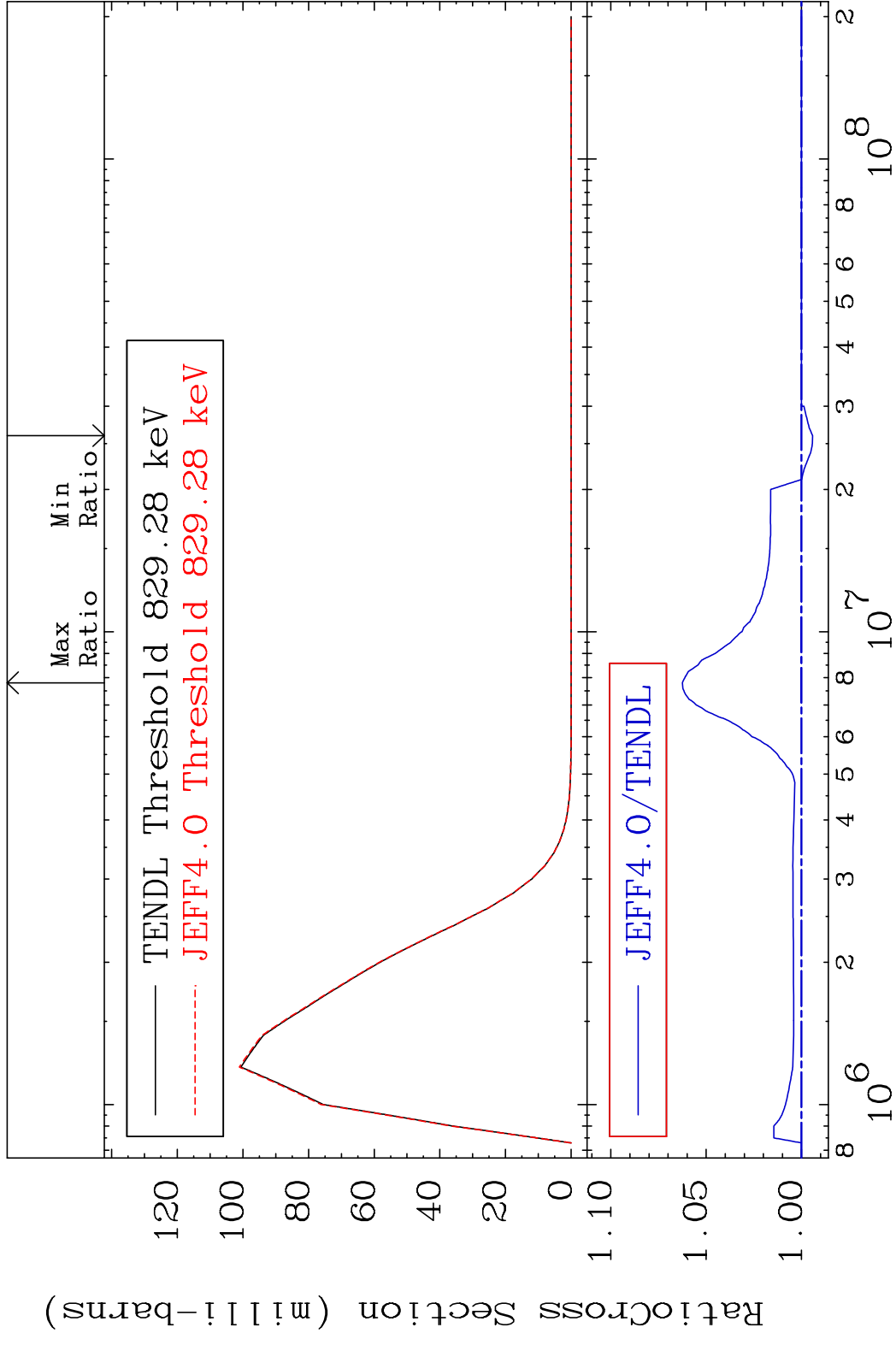
MAT 9034 MT= 61 (n, n') Level 90-Th-230  
 Cross Section -1.037 To 5.793 %



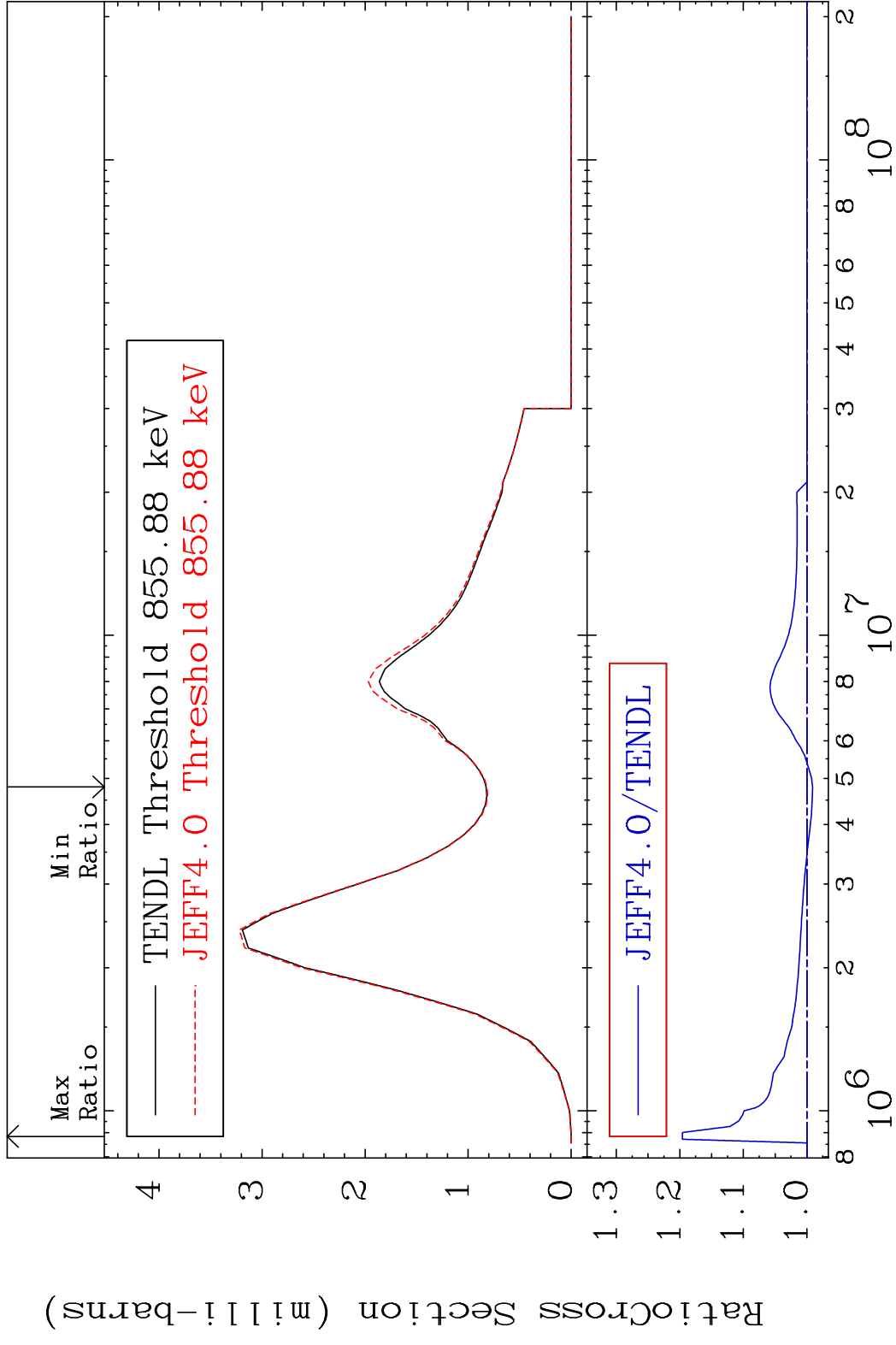
MAT 9034 MT= 62 (n, n') Level 90-Th-230  
 Cross Section -1.132 To 5.793 %



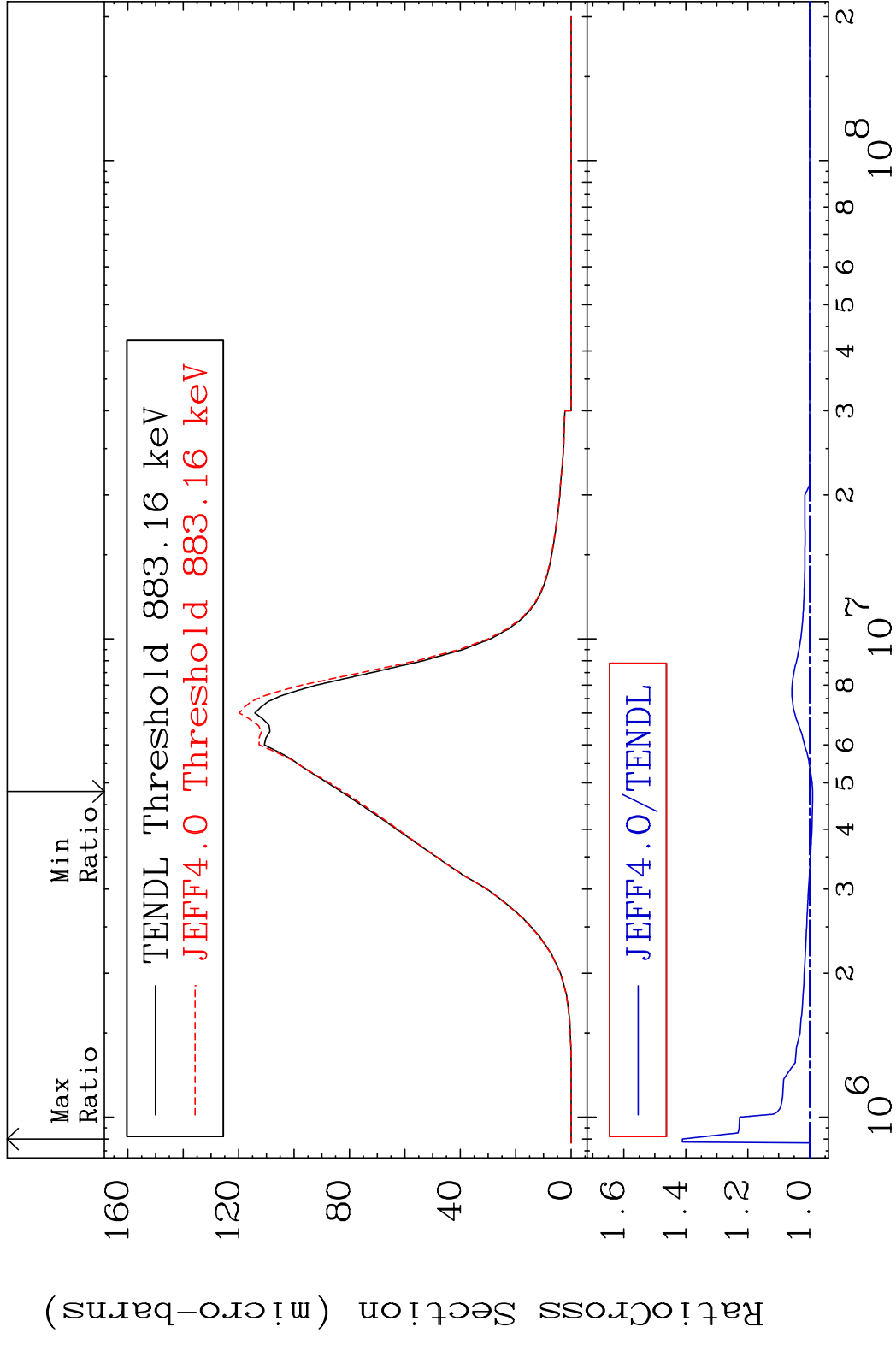
MAT 9034 MT= 63 (n, n') Level 90-Th-230  
 Cross Section -0.580 To 6.251 %



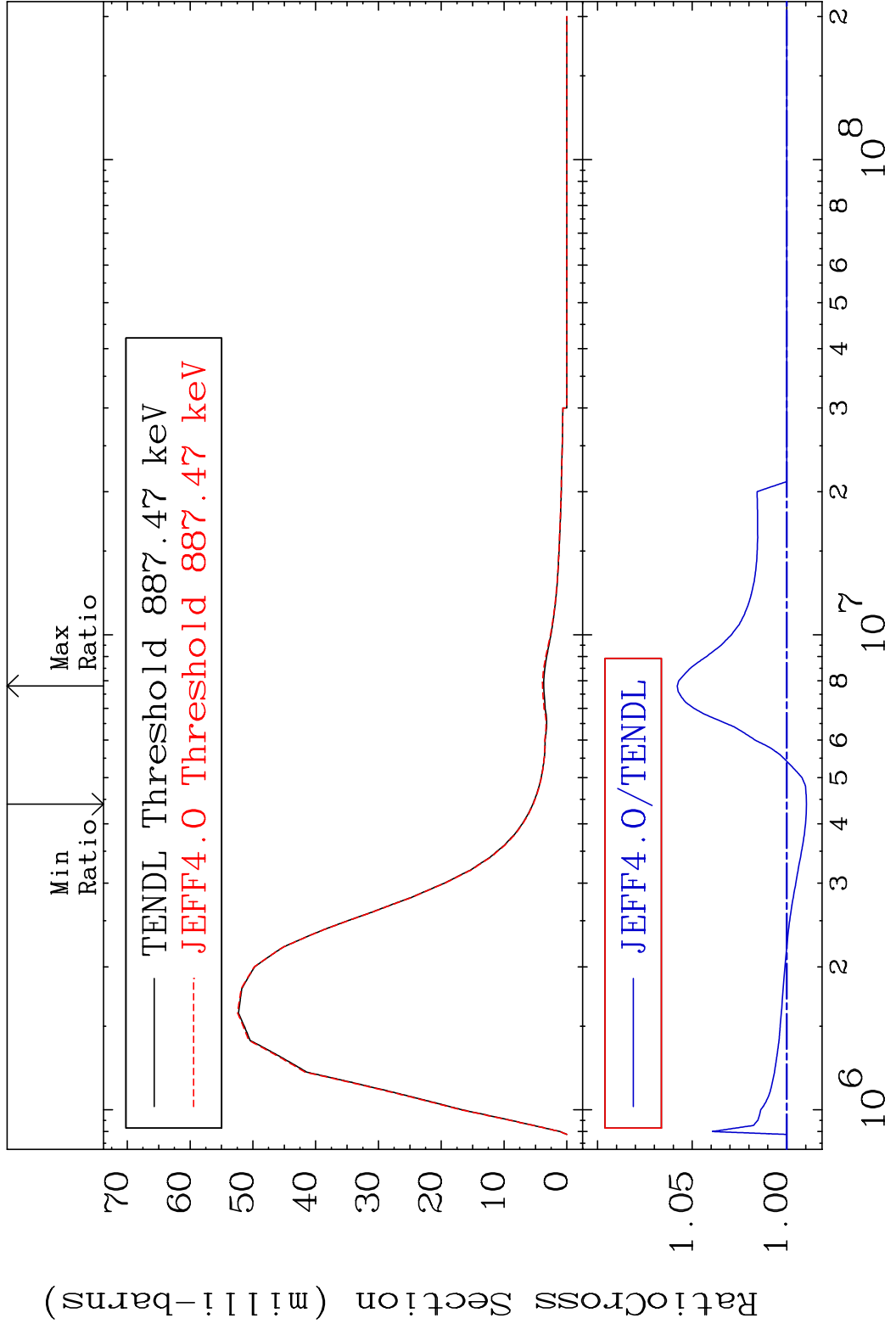
MAT 9034 MT= 64 (n, n') Level 90-Th-230  
 Cross Section -0.896 To 19.60 %



MAT 9034 MT= 65 (n,n') Level 90-Th-230  
 Cross Section -0.904 To 41.08 %

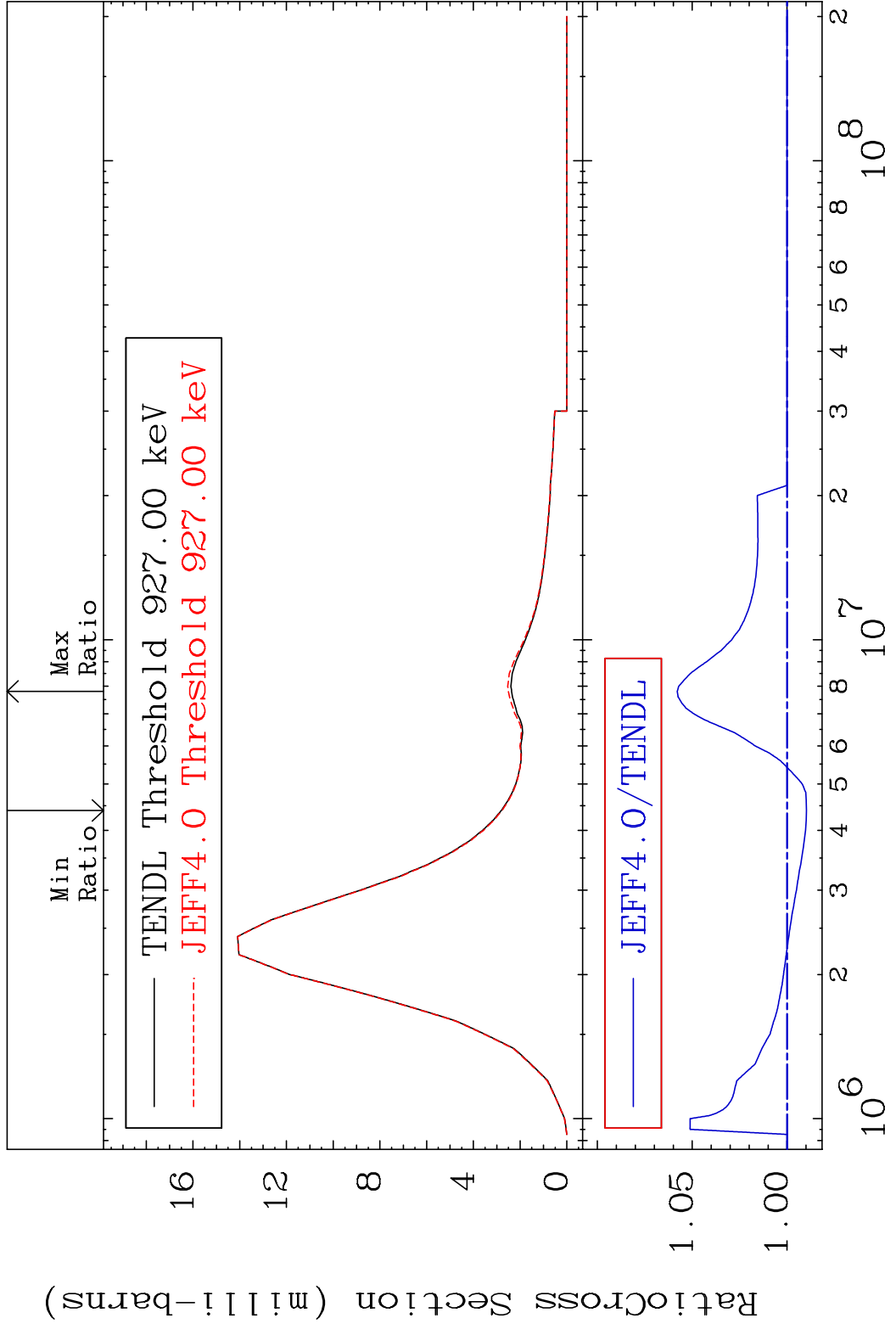


MAT 9034 MT= 66 (n, n') Level 90-Th-230  
 Cross Section -1.039 To 5.793 %



39 Incident Energy (eV) 90-Th-230

MAT 9034 MT= 67 (n, n') Level 90-Th-230  
 Cross Section -1.017 To 5.793 %

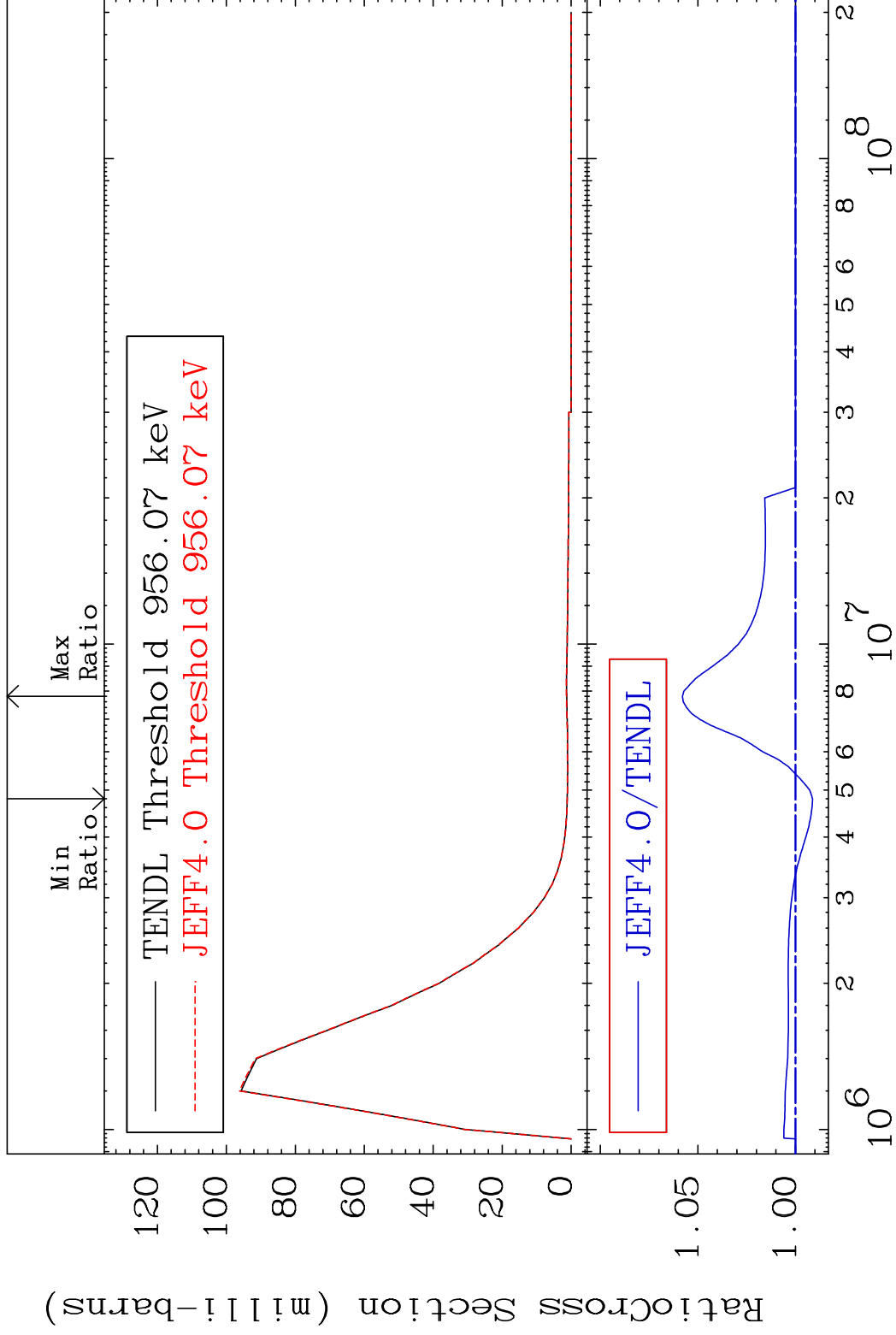


MAT 9034

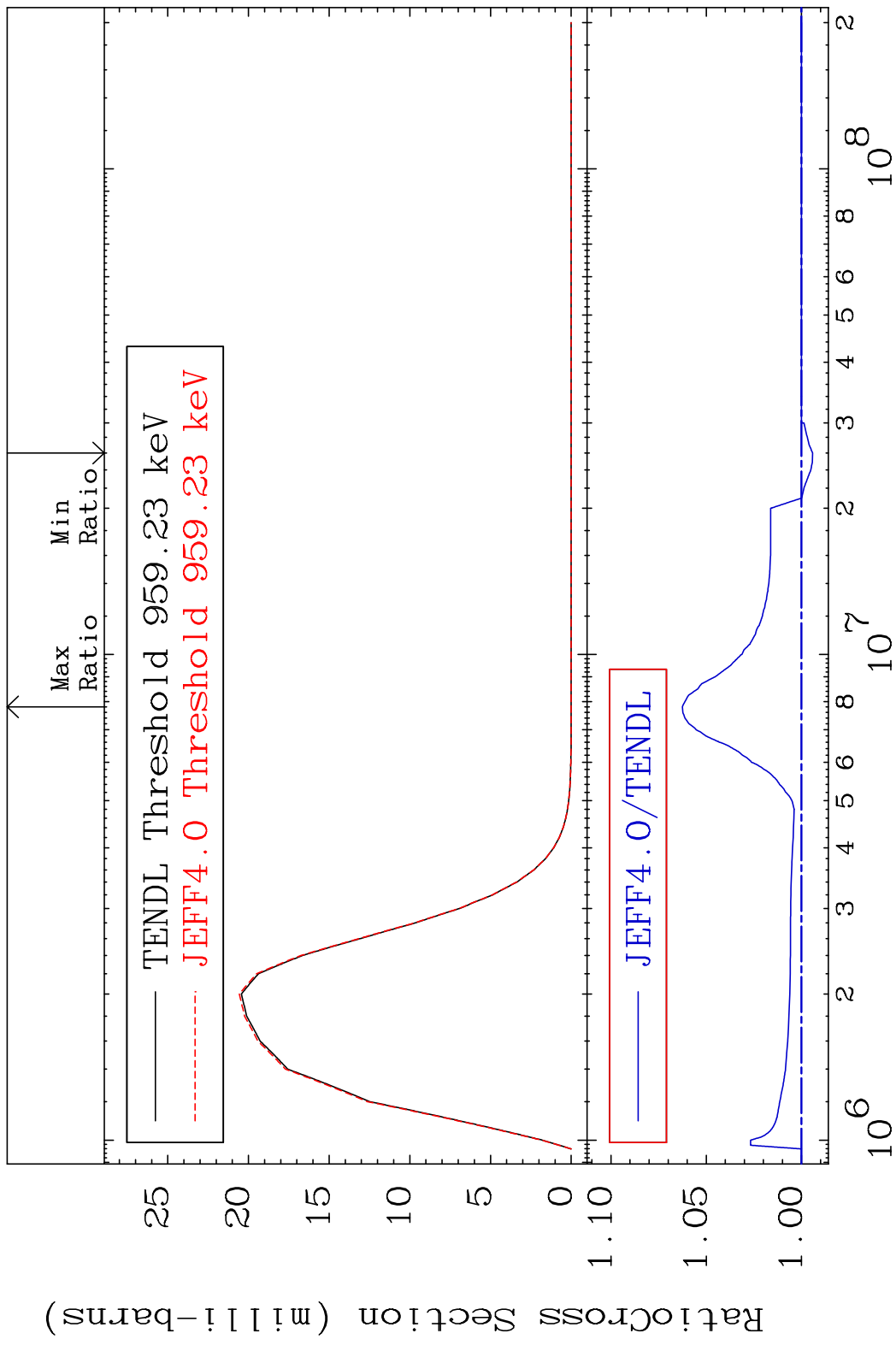
MT= 68 (n, n') Level

90-Th-230

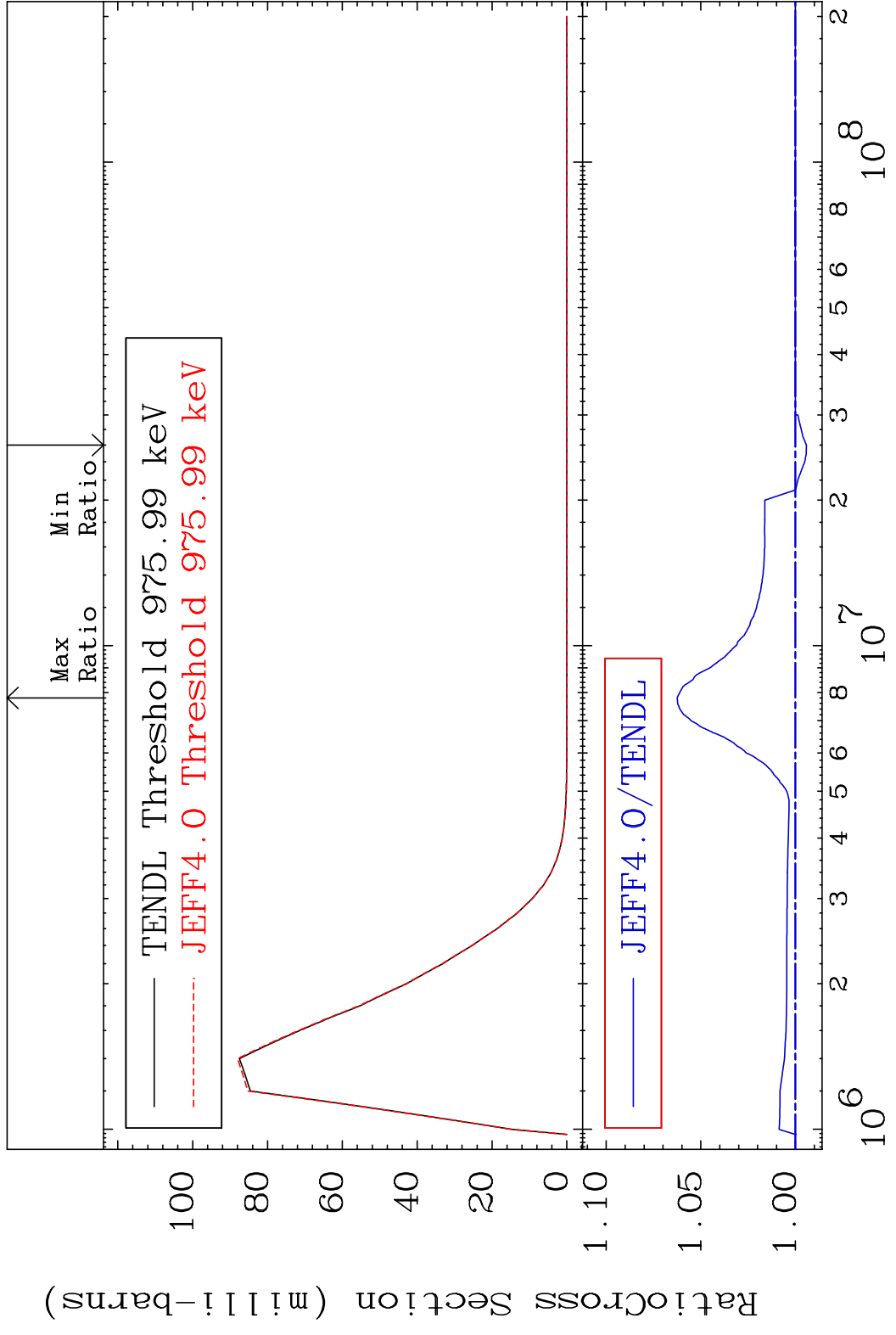
Cross Section -0.875 To 5.793 %



MAT 9034 MT= 69 (n, n') Level 90-Th-230  
 Cross Section -0.580 To 6.254 %

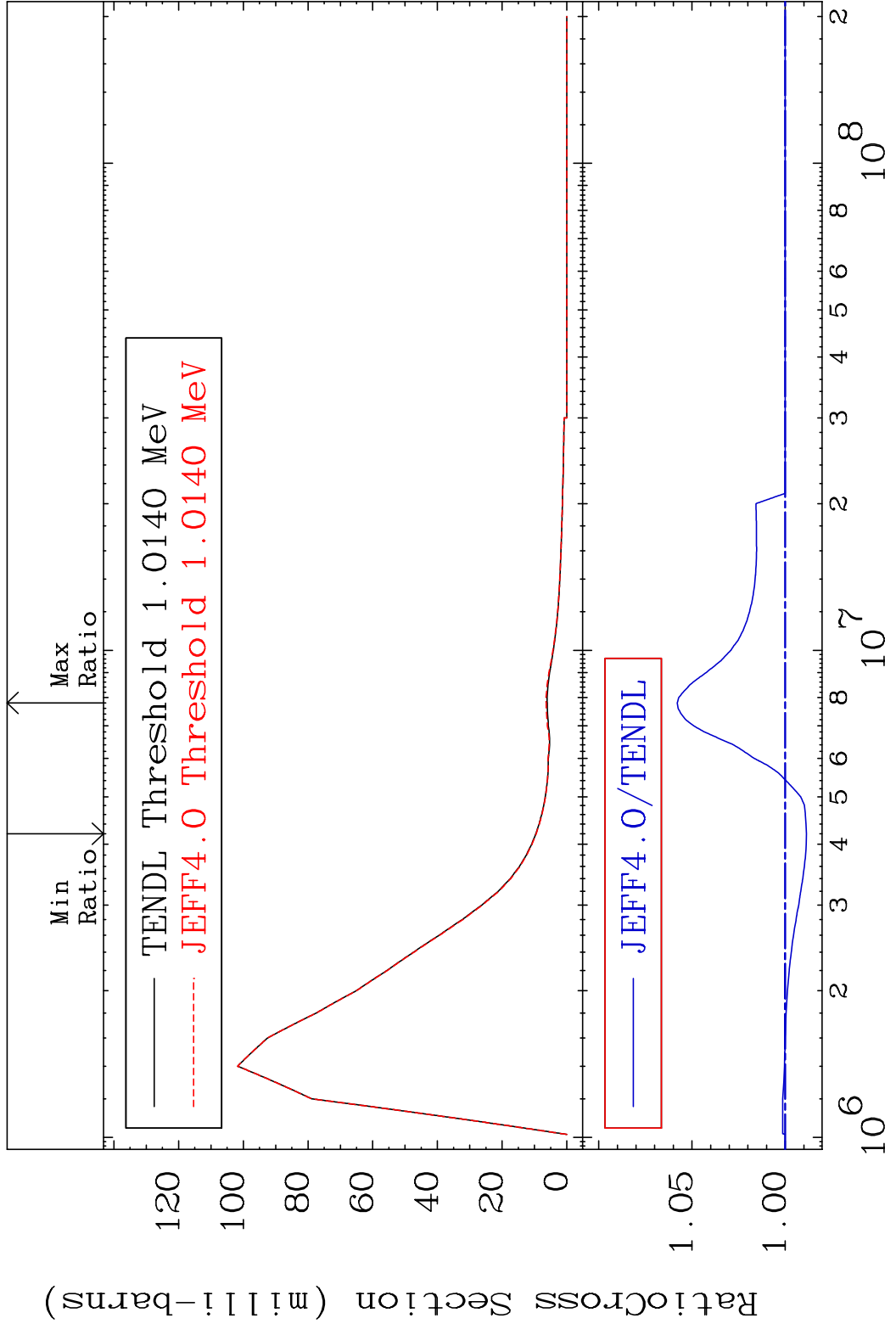


MAT 9034 MT= 70 (n, n') Level 90-Th-230  
 Cross Section -0.580 To 6.250 %



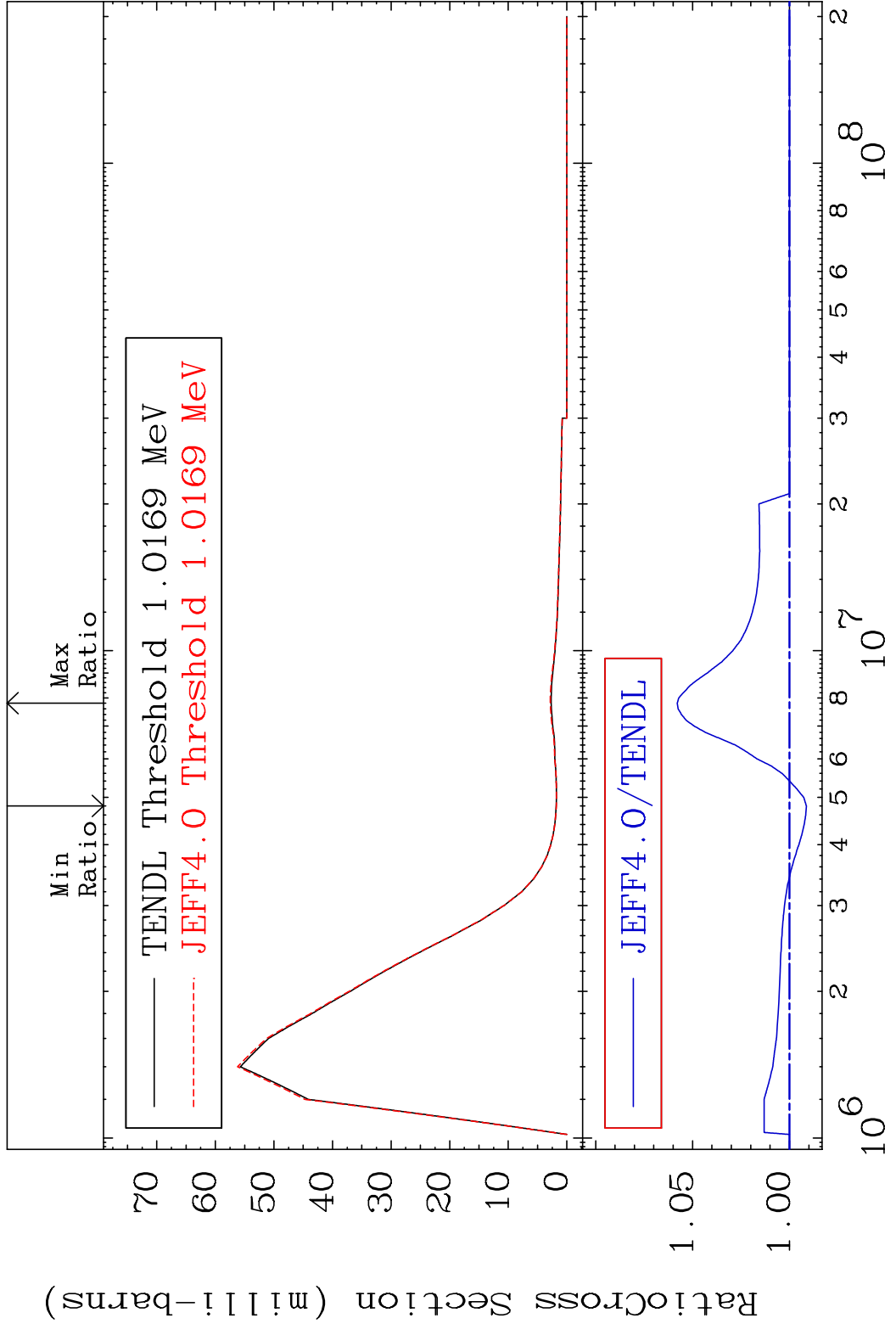
43 Incident Energy (eV) 90-Th-230

MAT 9034 MT= 71 (n, n') Level 90-Th-230  
 Cross Section -1.135 To 5.793 %

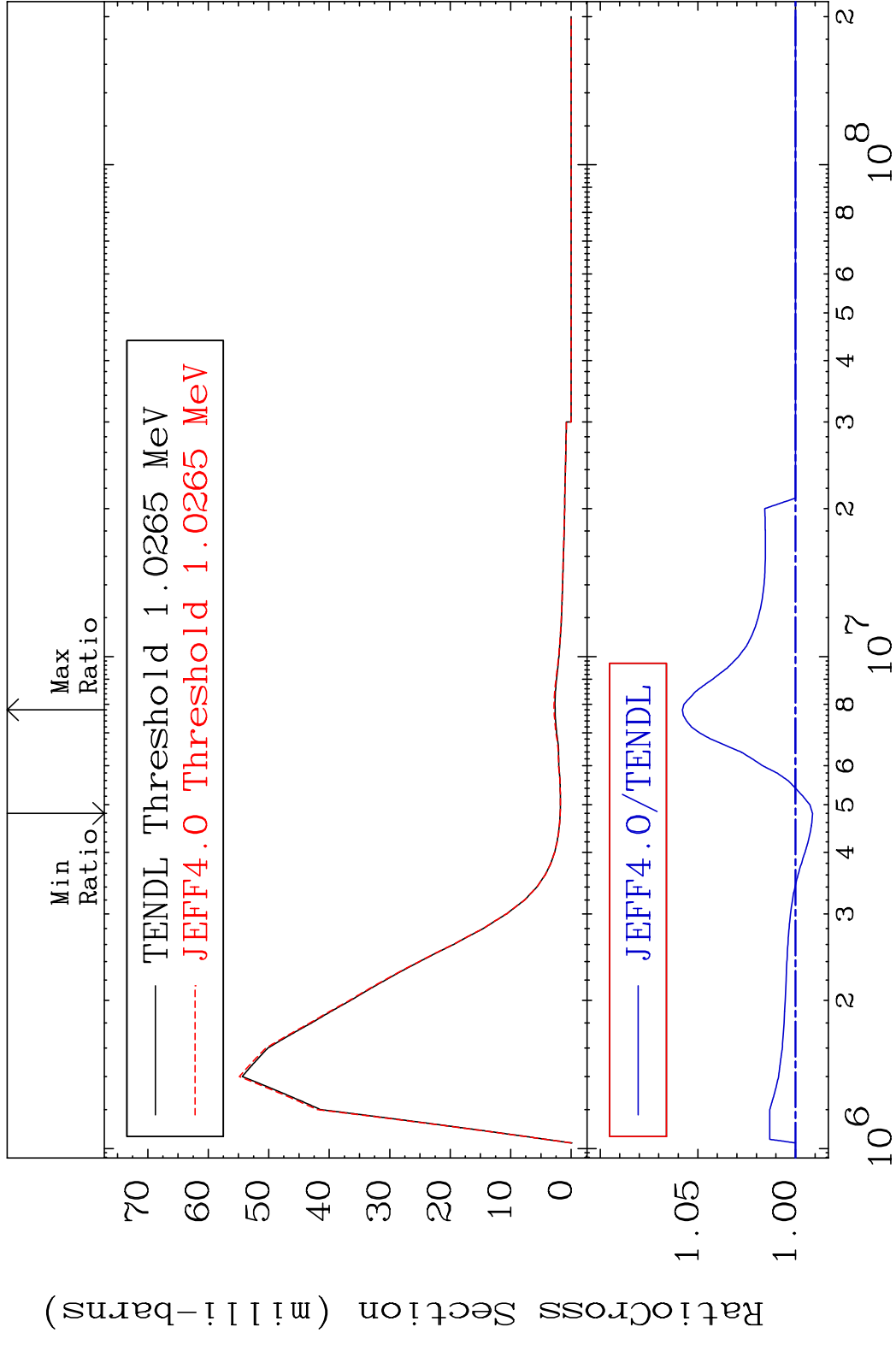


44 Incident Energy (eV) 90-Th-230

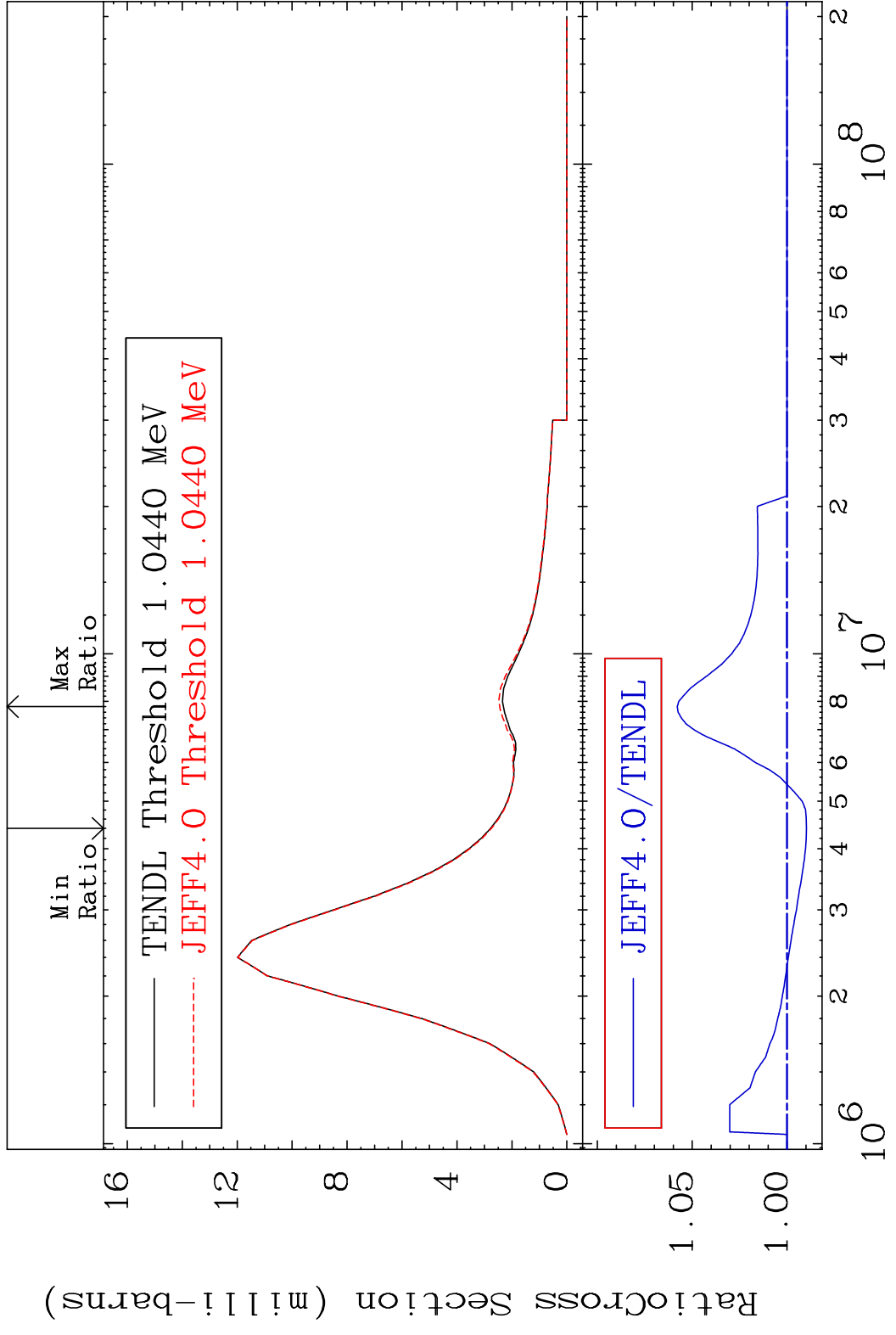
MAT 9034 MT= 72 (n, n') Level 90-Th-230  
 Cross Section -0.872 To 5.793 %



MAT 9034 MT= 73 (n,n') Level 90-Th-230  
 Cross Section -0.873 To 5.793 %



MAT 9034 MT= 74 (n, n') Level 90-Th-230  
 Cross Section -1.020 To 5.793 %



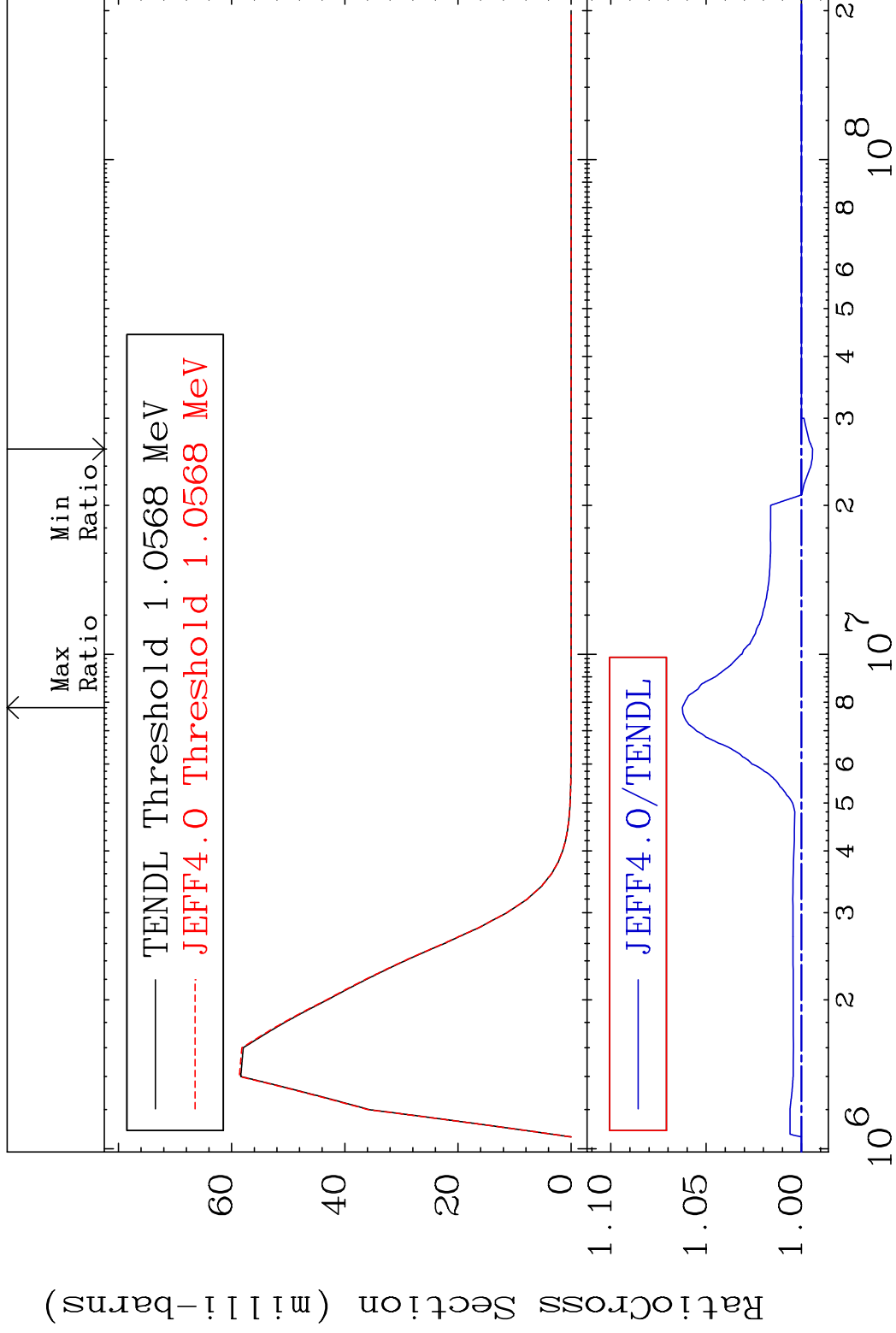
47 90-Th-230

MAT 9034

MT= 75 (n, n') Level

90-Th-230

Cross Section -0.580 To 6.251 %



48

Incident Energy (eV)

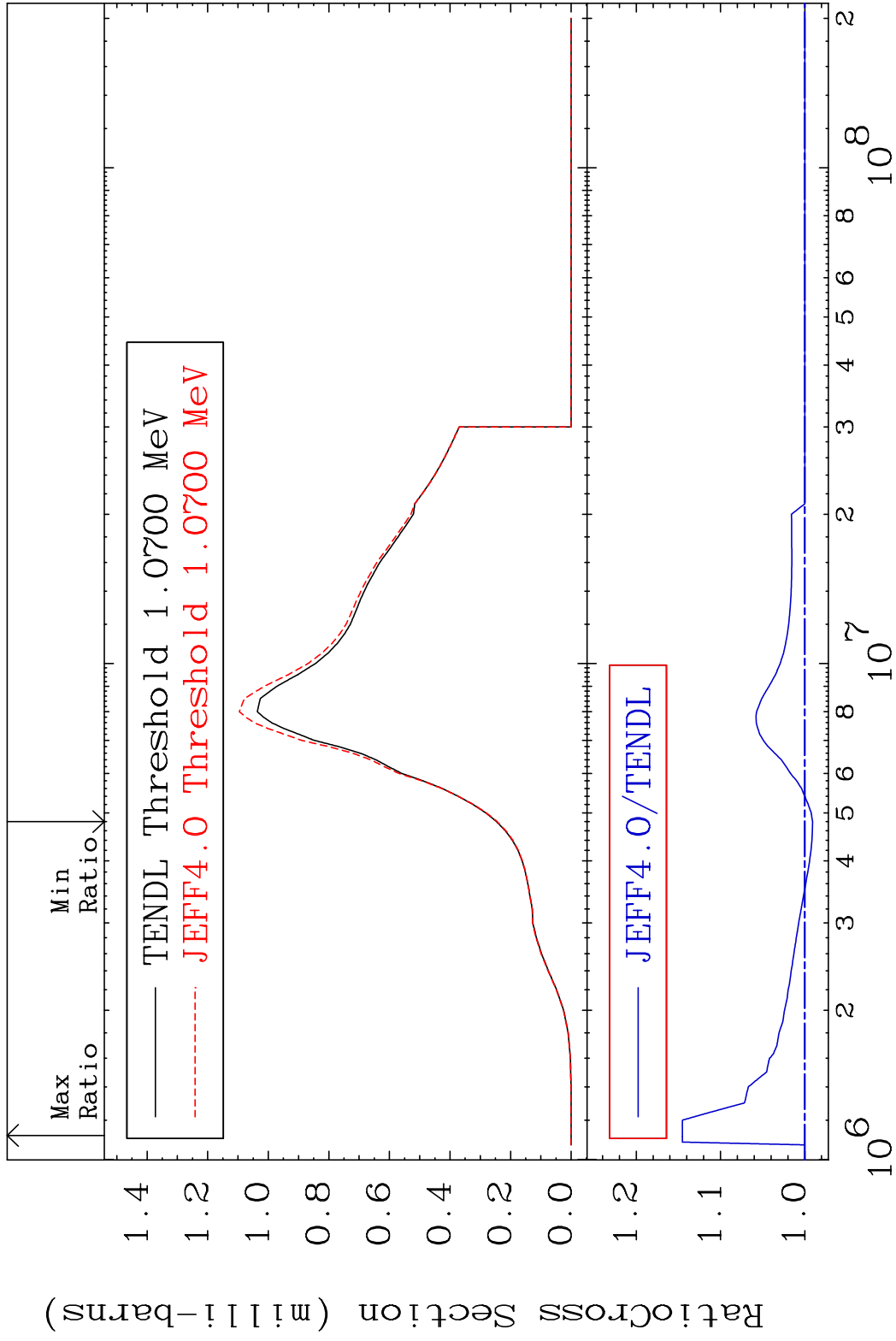
90-Th-230

MAT 9034

MT= 76 (n, n') Level

90-Th-230

Cross Section -0.927 To 14.53 %

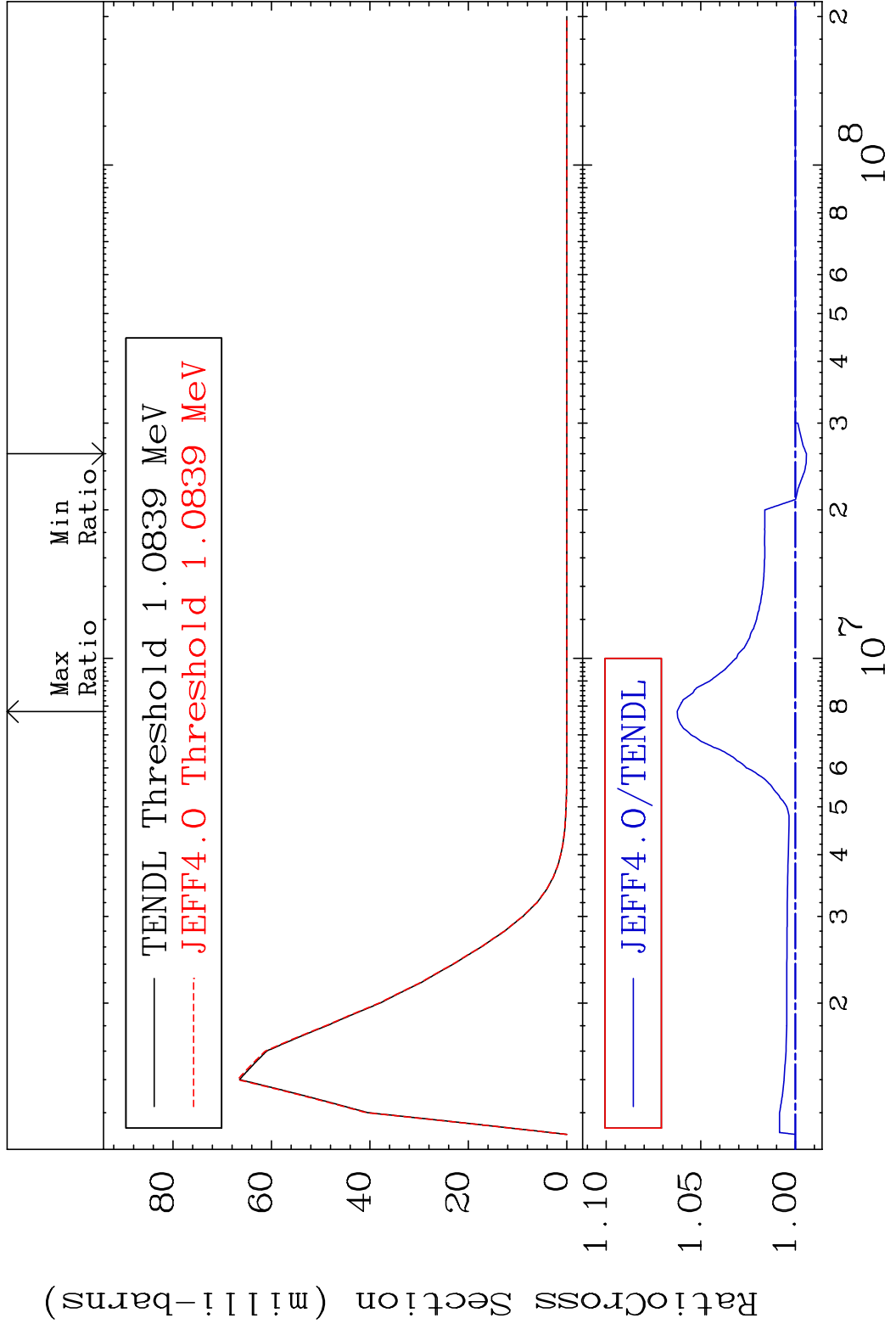


49

Incident Energy (eV)

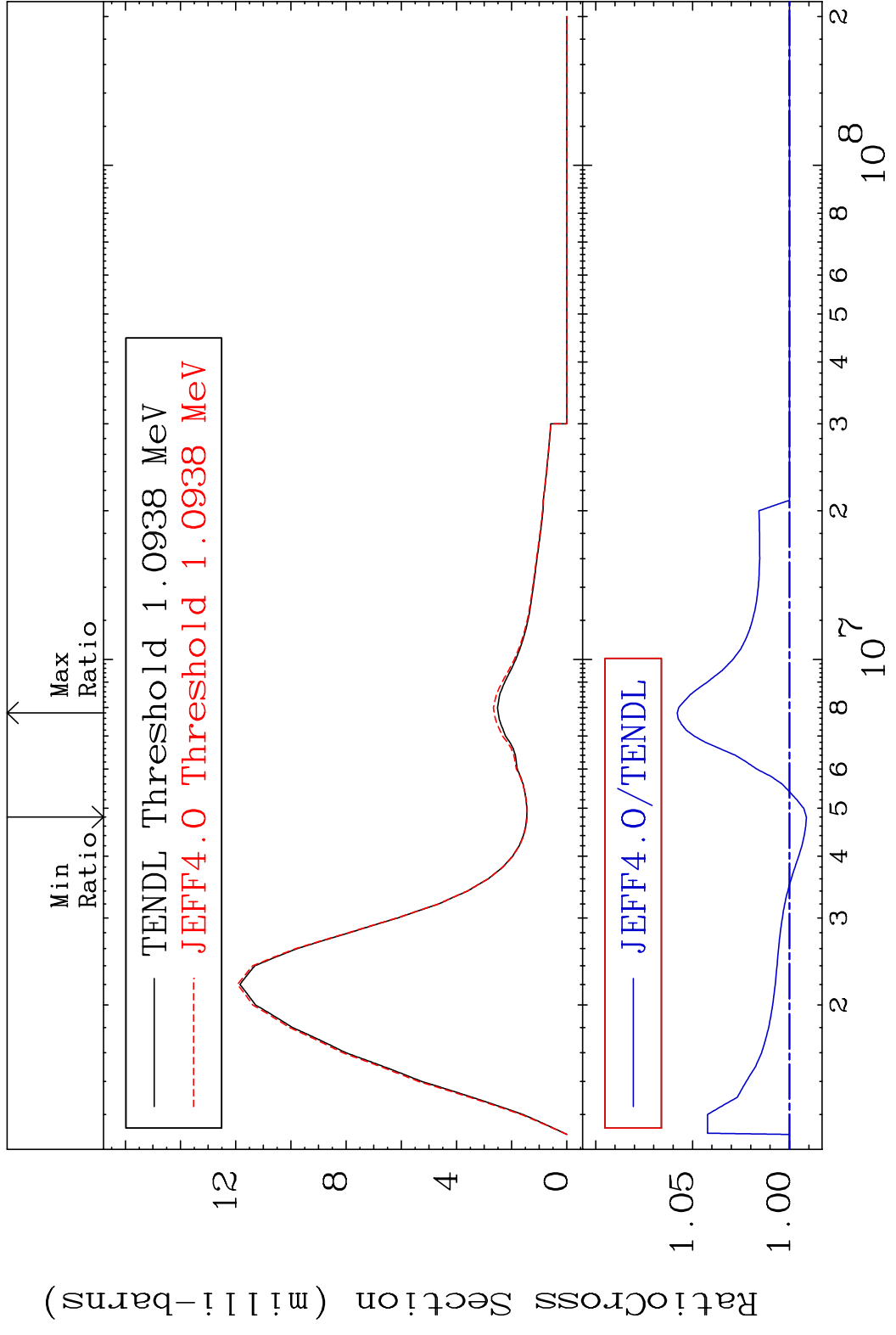
90-Th-230

MAT 9034 MT= 77 (n, n') Level 90-Th-230  
 Cross Section -0.580 To 6.250 %

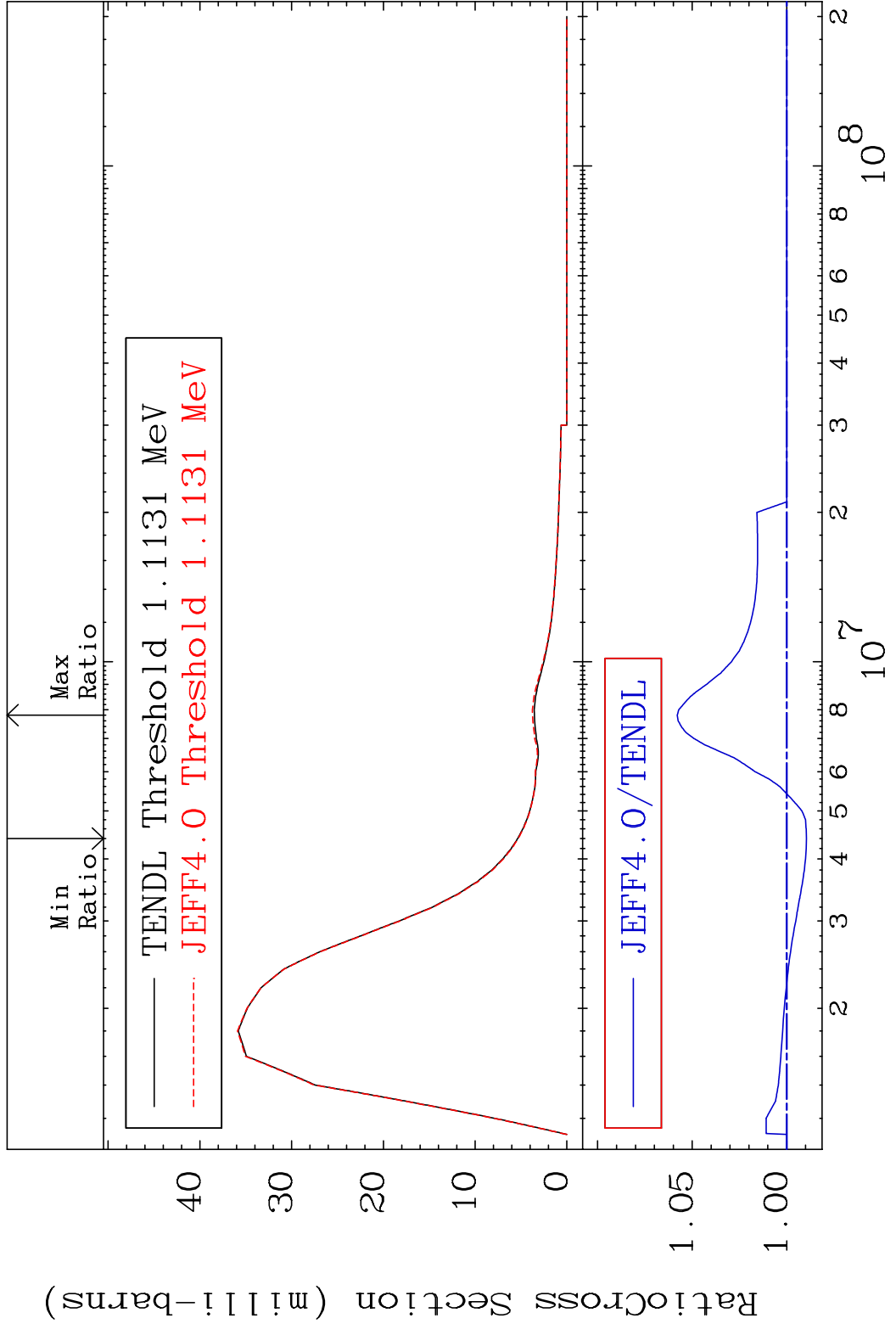


50 Incident Energy (eV) 90-Th-230

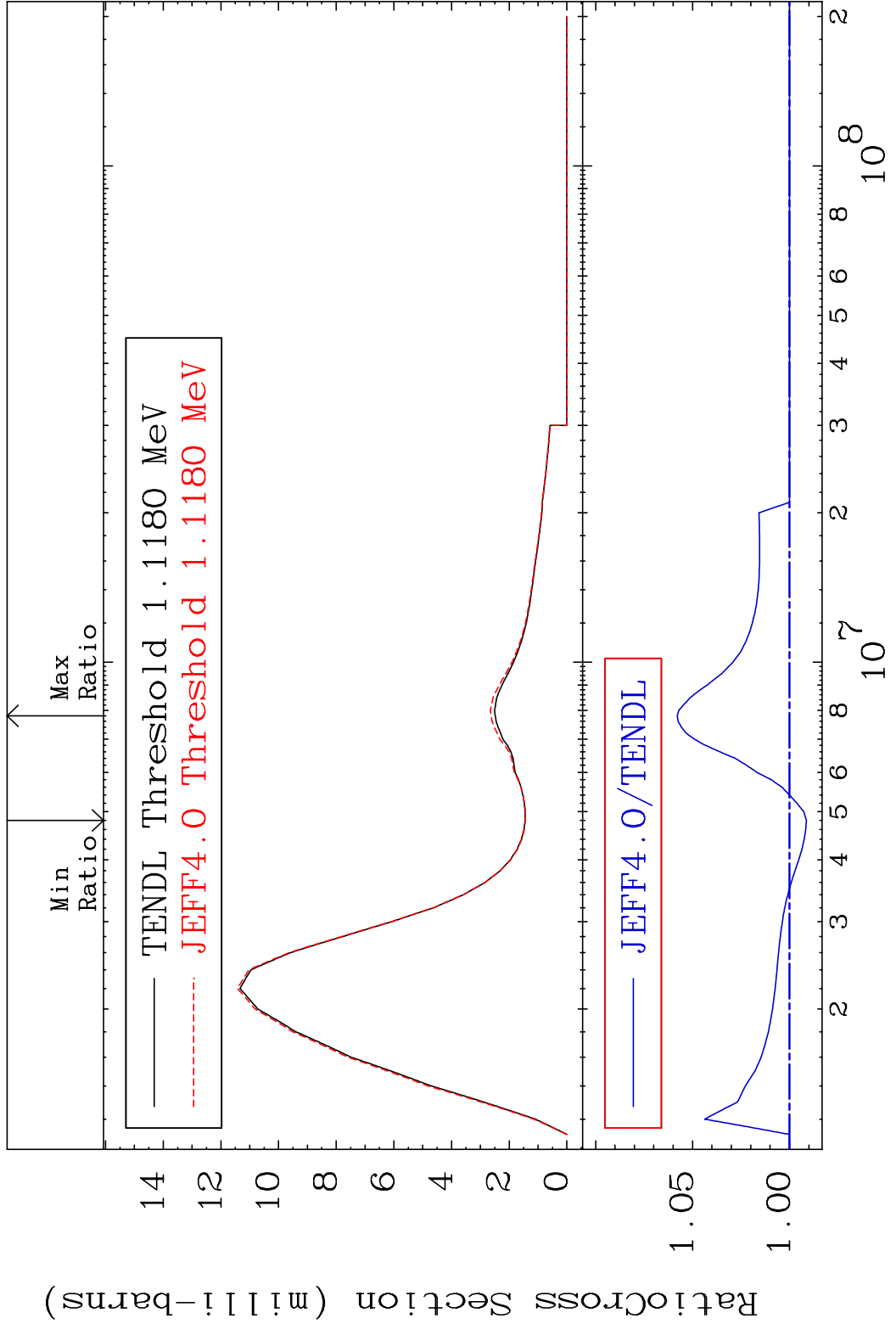
MAT 9034 MT= 78 (n,n') Level 90-Th-230  
 Cross Section -0.872 To 5.793 %



MAT 9034 MT= 79 (n, n') Level 90-Th-230  
 Cross Section -1.042 To 5.793 %



MAT 9034 MT= 80 (n, n') Level 90-Th-230  
 Cross Section -0.873 To 5.793 %

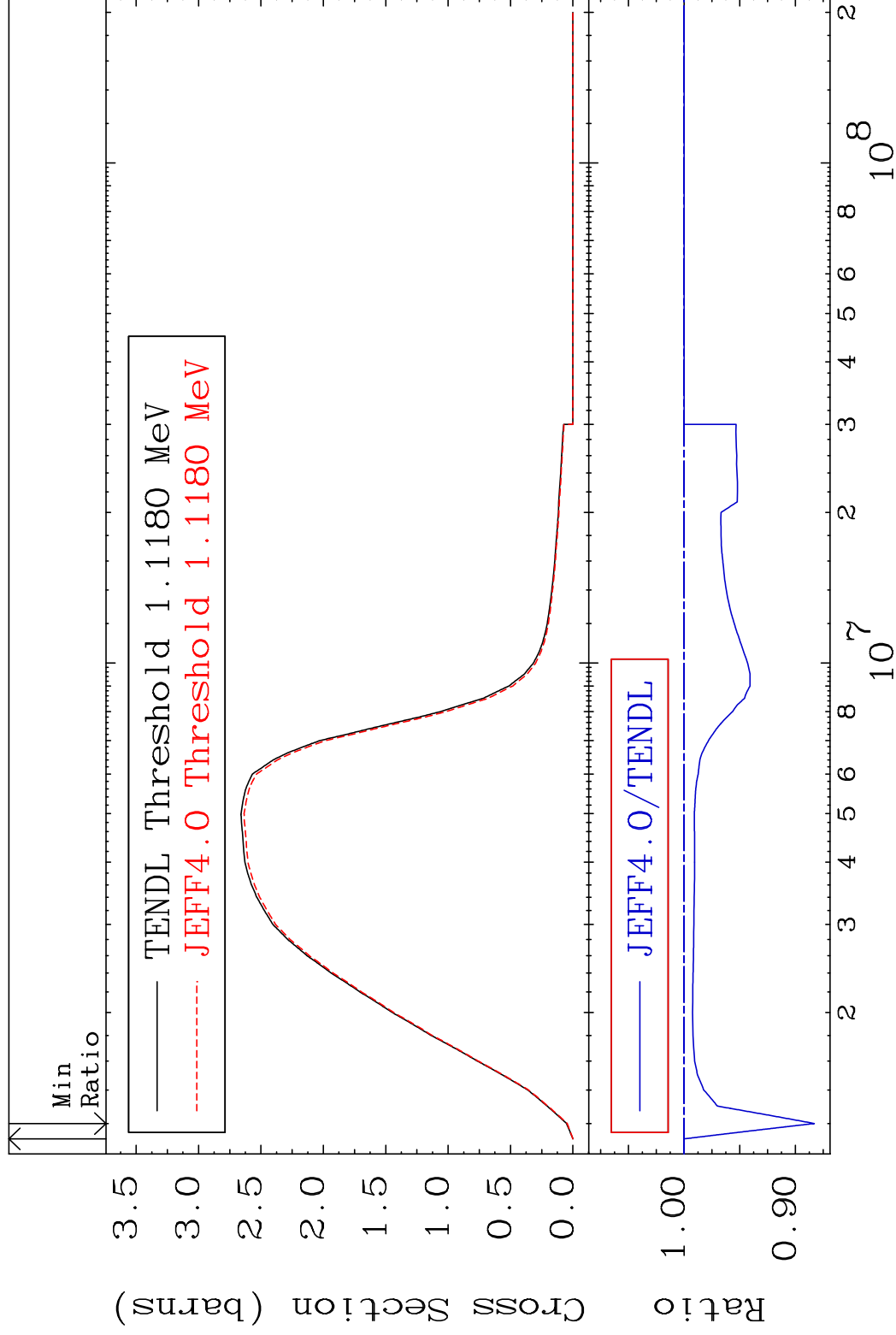


MAT 9034

(n,n') Continuum

90-Th-230

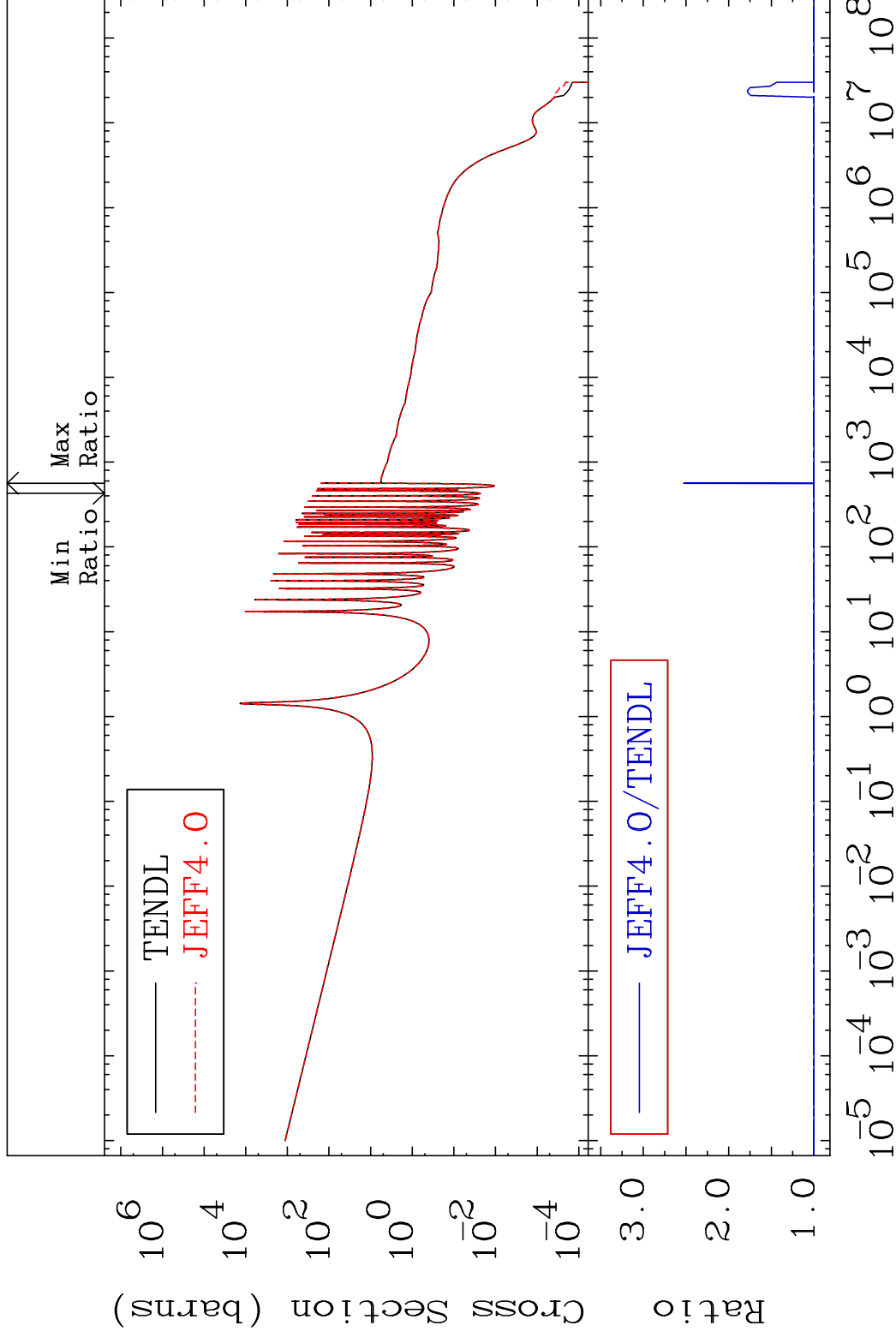
Cross Section -11.71 To 0.000 %



MAT 9034

(n,  $\gamma$ )  
Cross Section -0.123 To 152.8 %

90-Th-230



55

Incident Energy (eV)

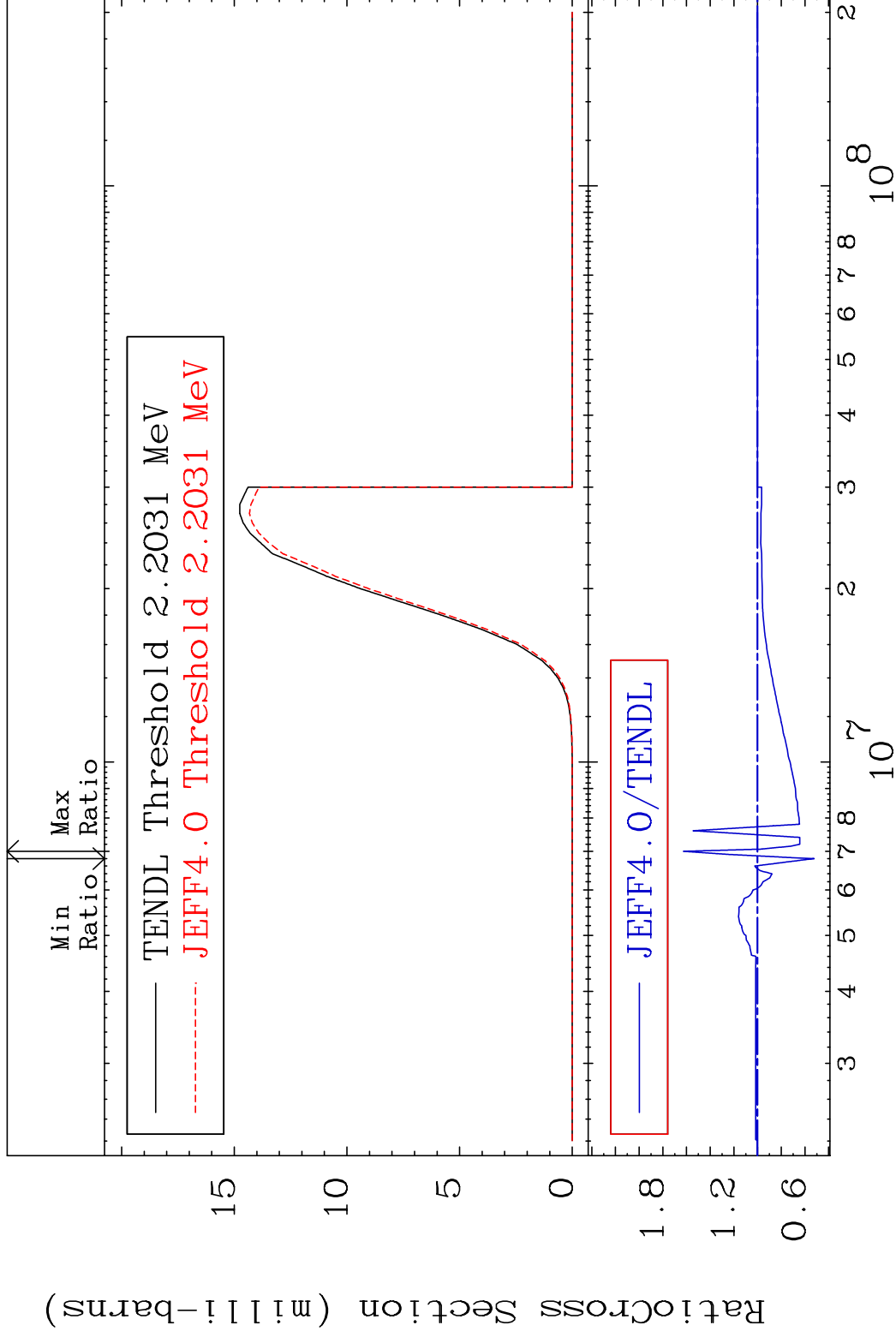
90-Th-230

MAT 9034

(n, p)

90-Th-230

Cross Section -47.74 To 62.43 %

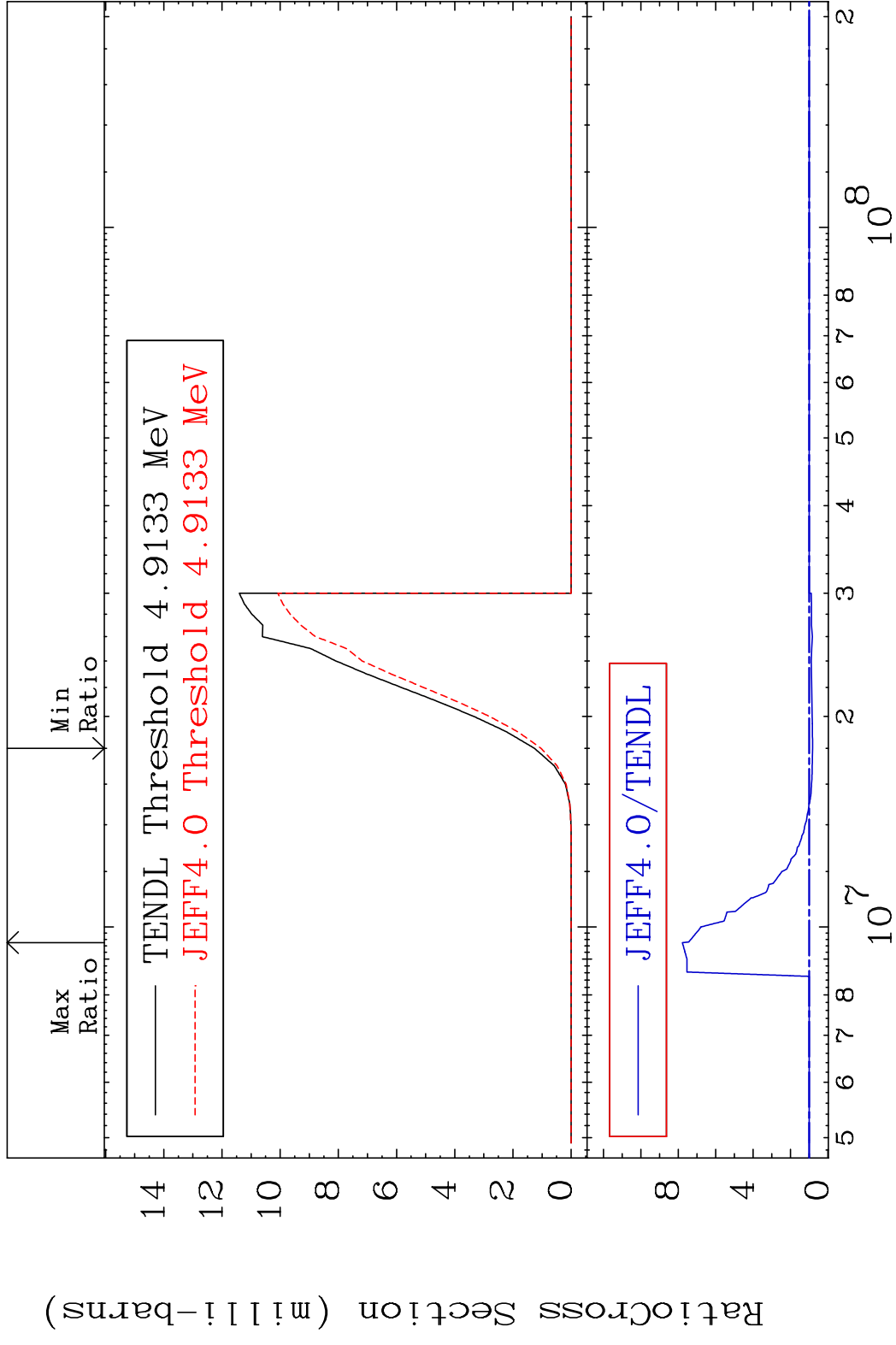


56

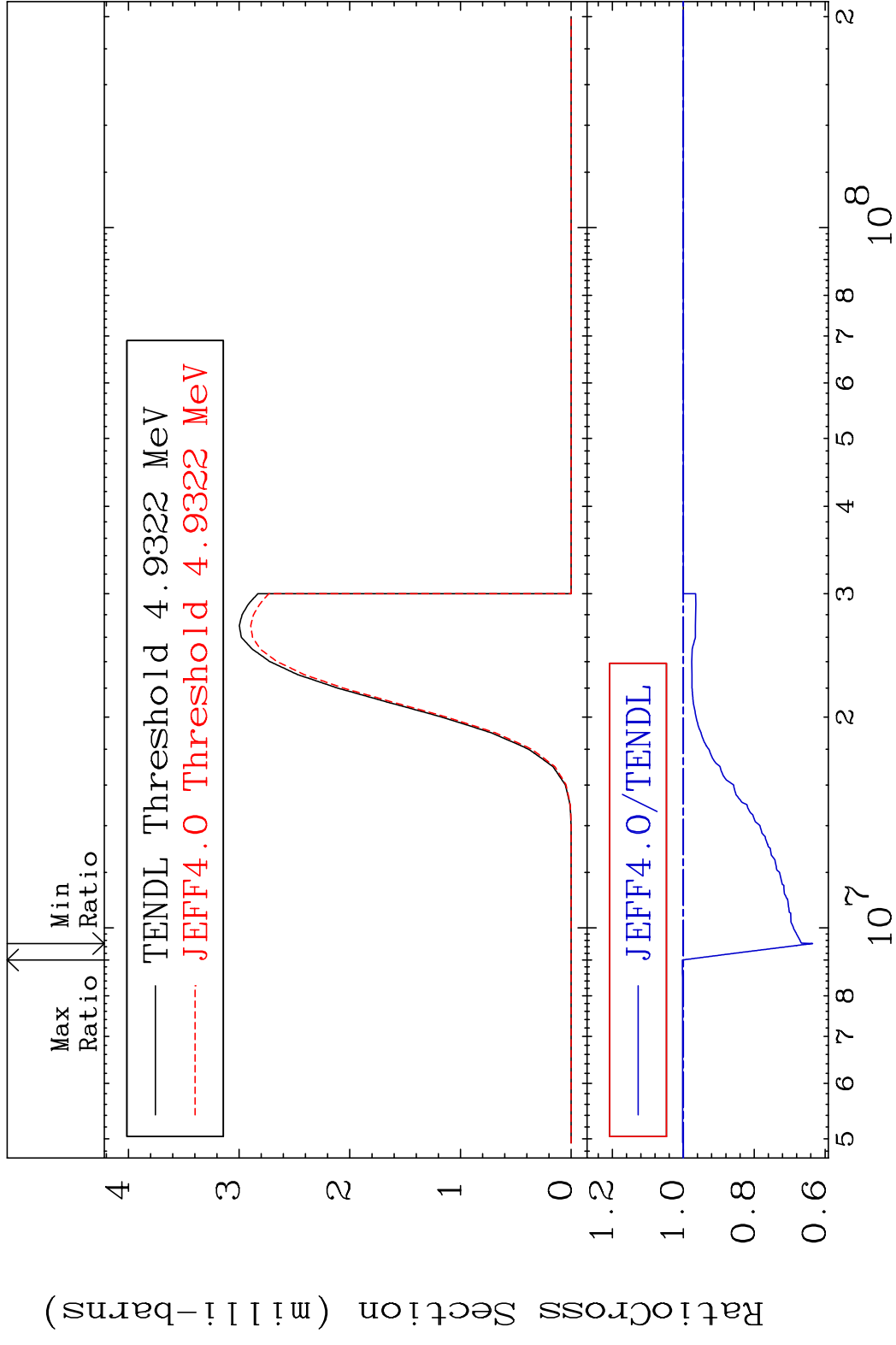
Incident Energy (eV)

90-Th-230

MAT 9034 (n,d) 90-Th-230  
 Cross Section -18.11 To 678.4 %



MAT 9034 (n, t) 90-Th-230  
 Cross Section -36.47 To 0.273 %

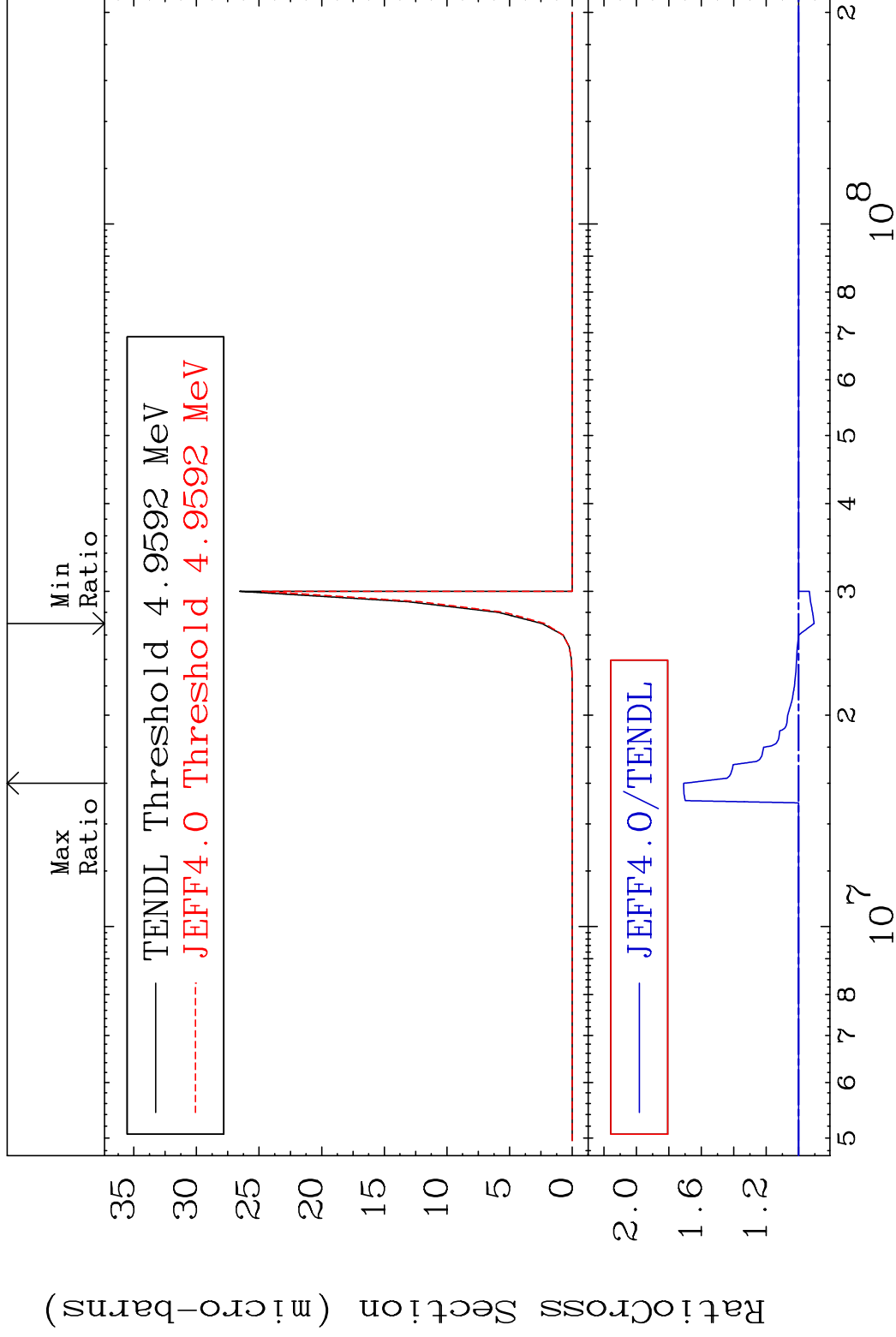


MAT 9034

(n, He-3)

90-Th-230

Cross Section -9.602 To 70.88 %



59

Incident Energy (eV)

90-Th-230

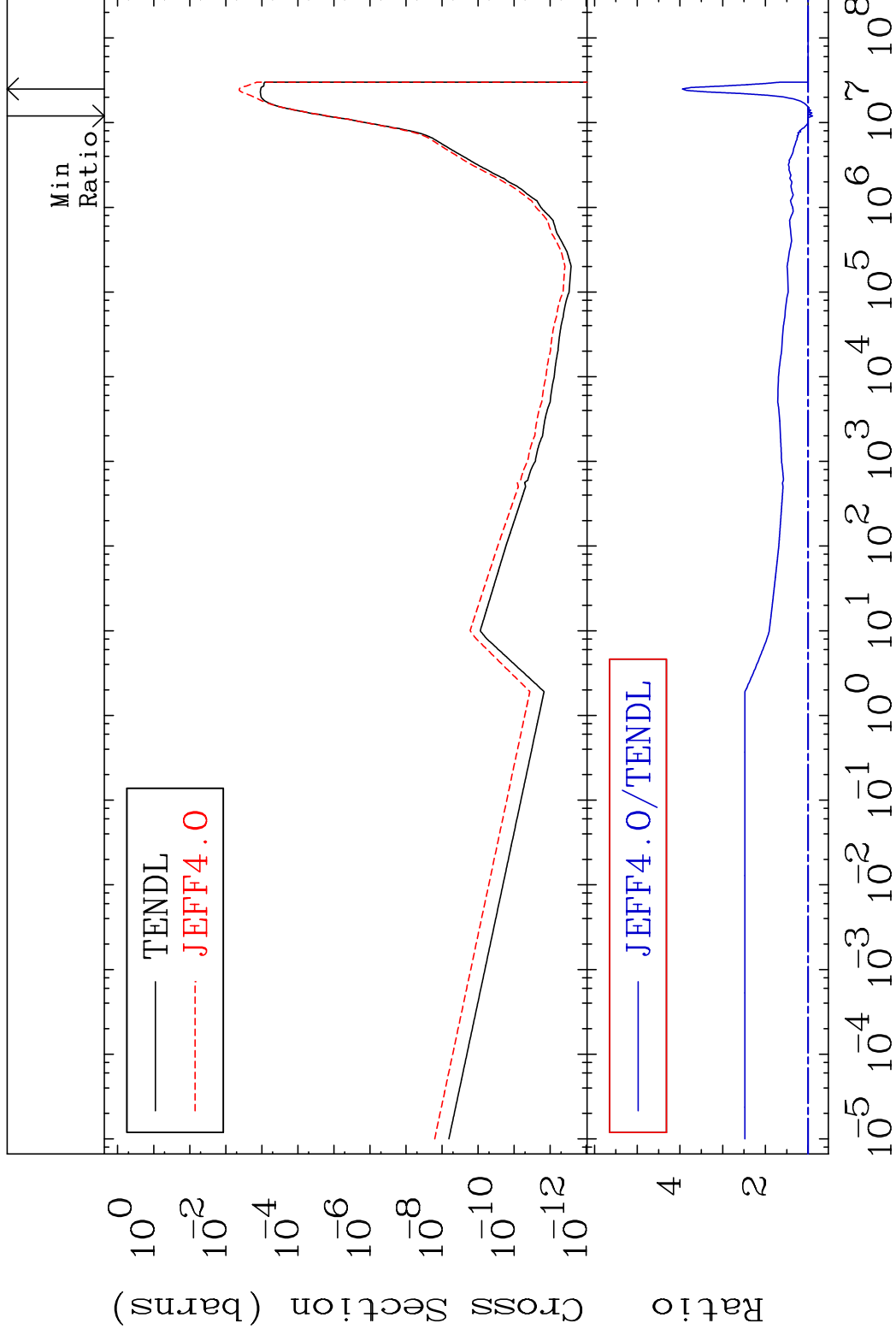
MAT 9034

(n,  $\alpha$ )

90-Th-230

Cross Section

-10.30 To 294.5 %



60

Incident Energy (eV)

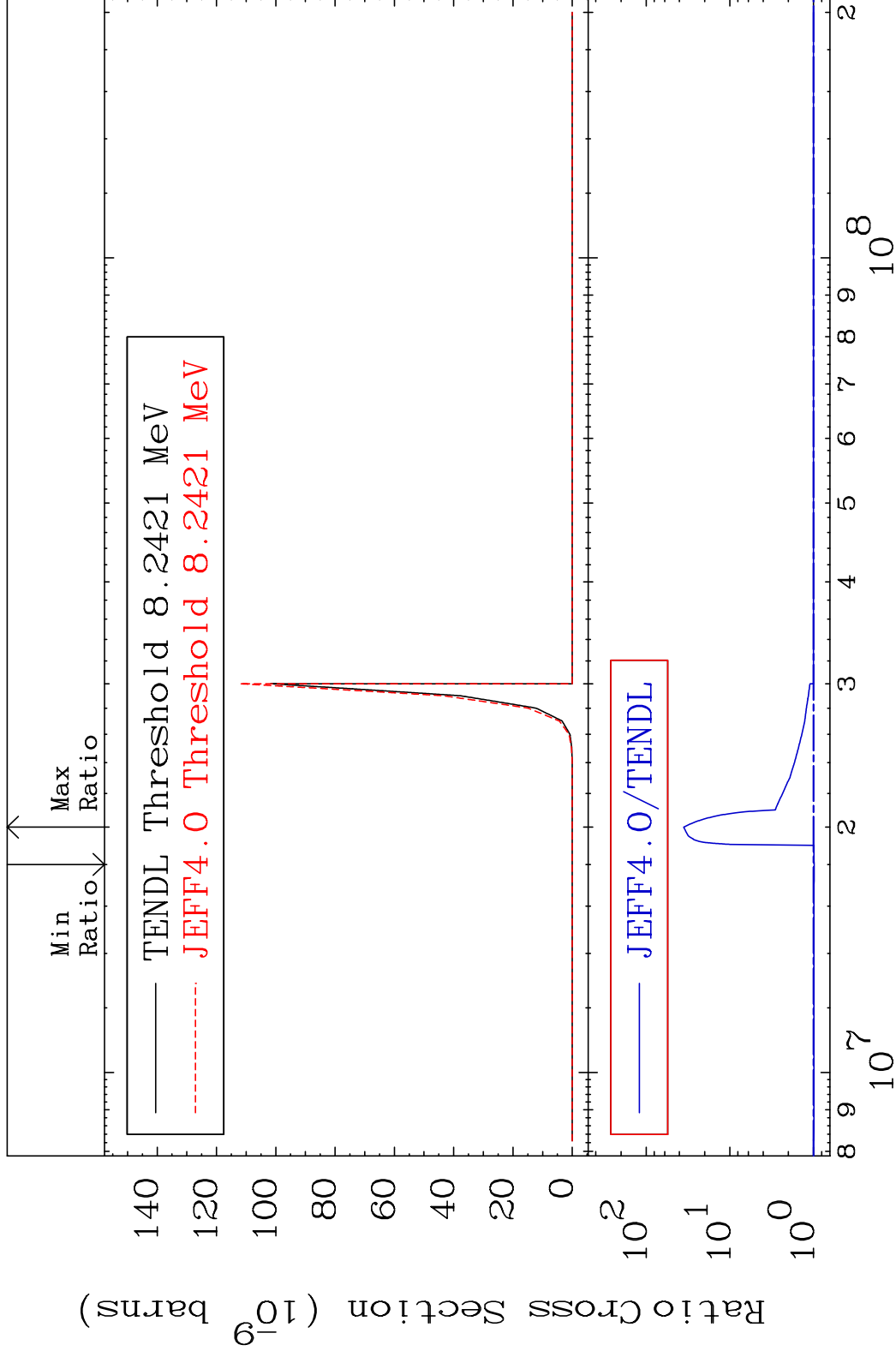
90-Th-230

MAT 9034

(n,2p)

90-Th-230

Cross Section -1.662 To 3464. %



61

Incident Energy (eV)

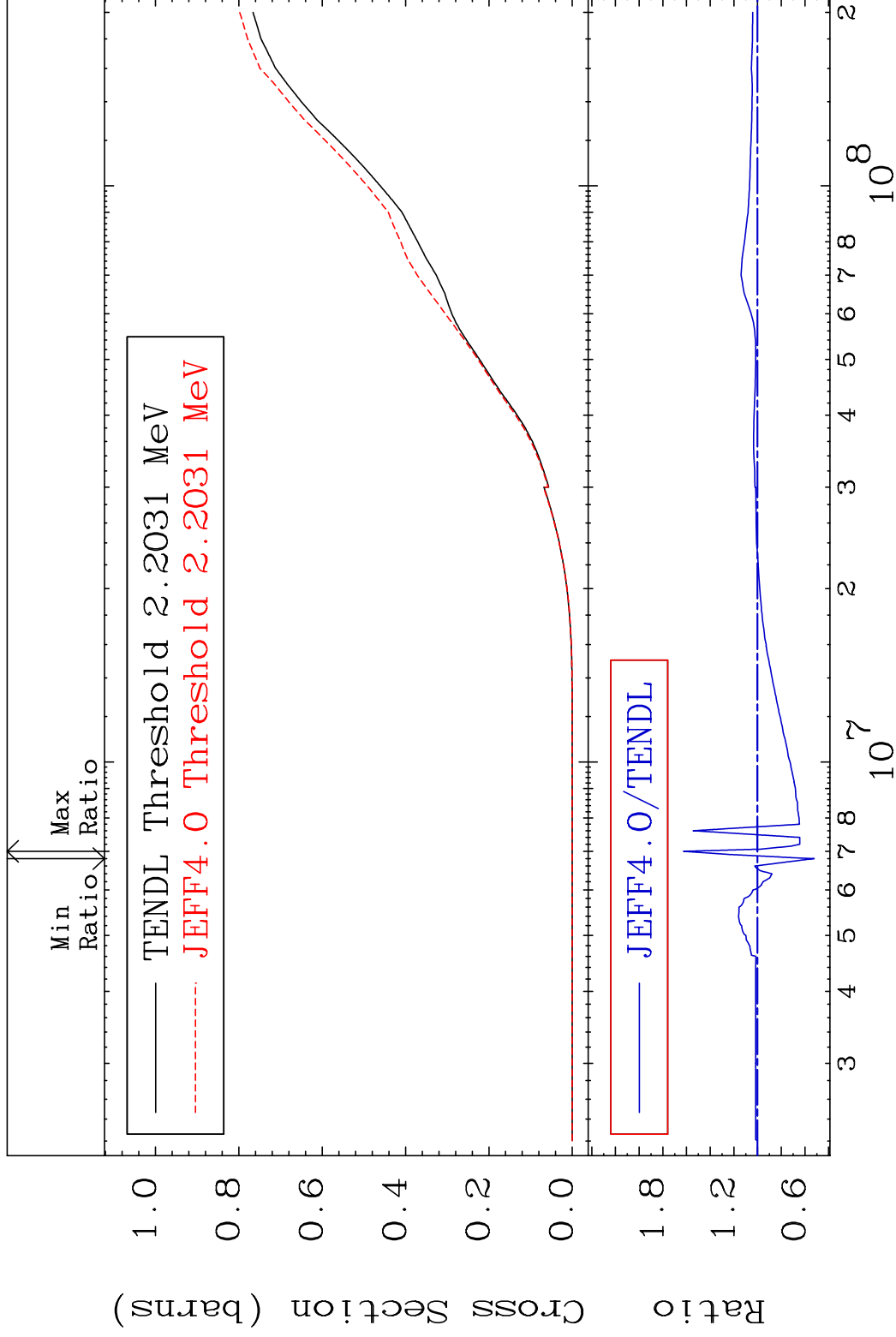
90-Th-230

MAT 9034

Hydrogen Production

90-Th-230

Cross Section -47.74 To 62.43 %



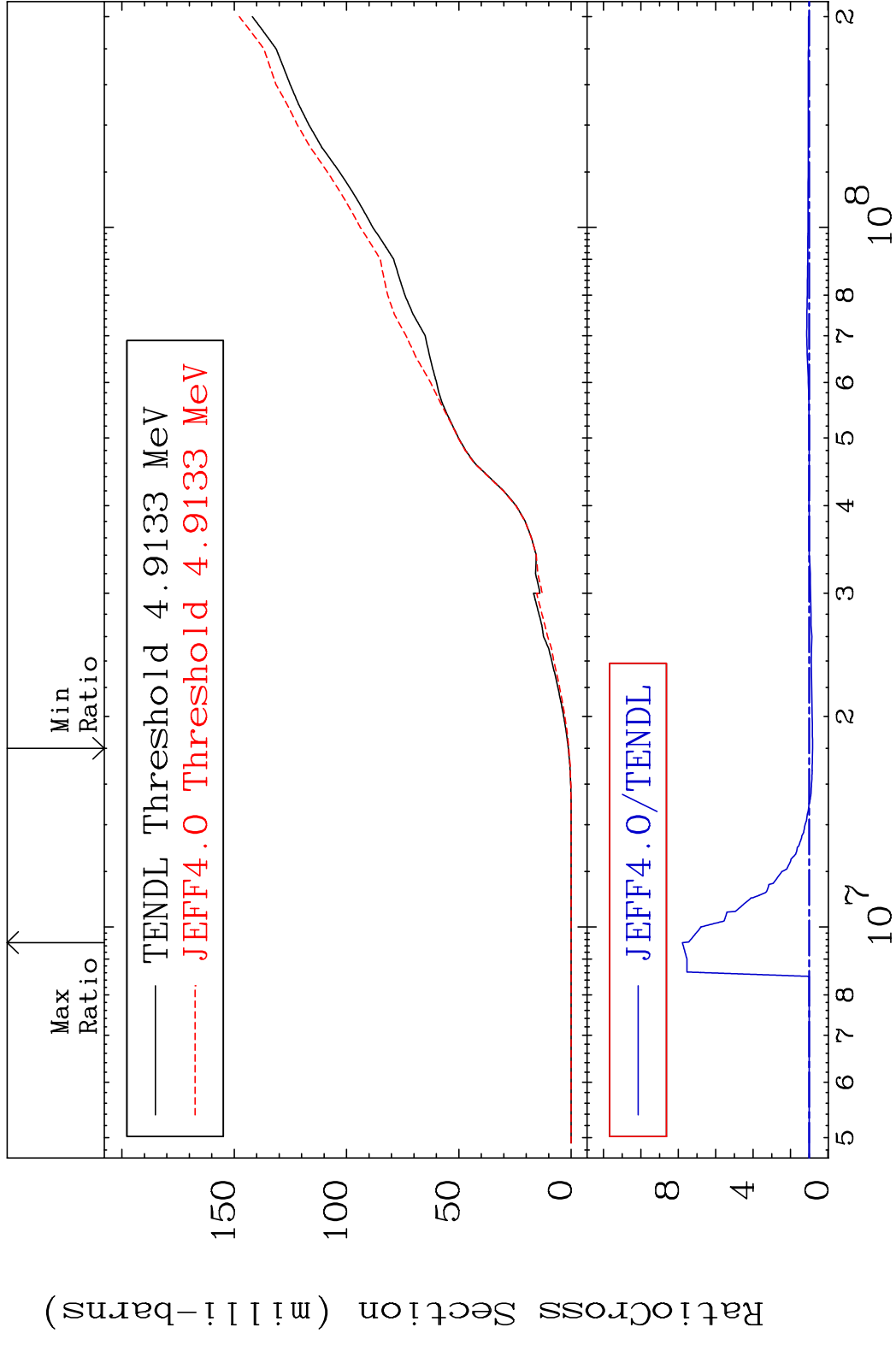
62

Incident Energy (eV)

90-Th-230

MAT 9034

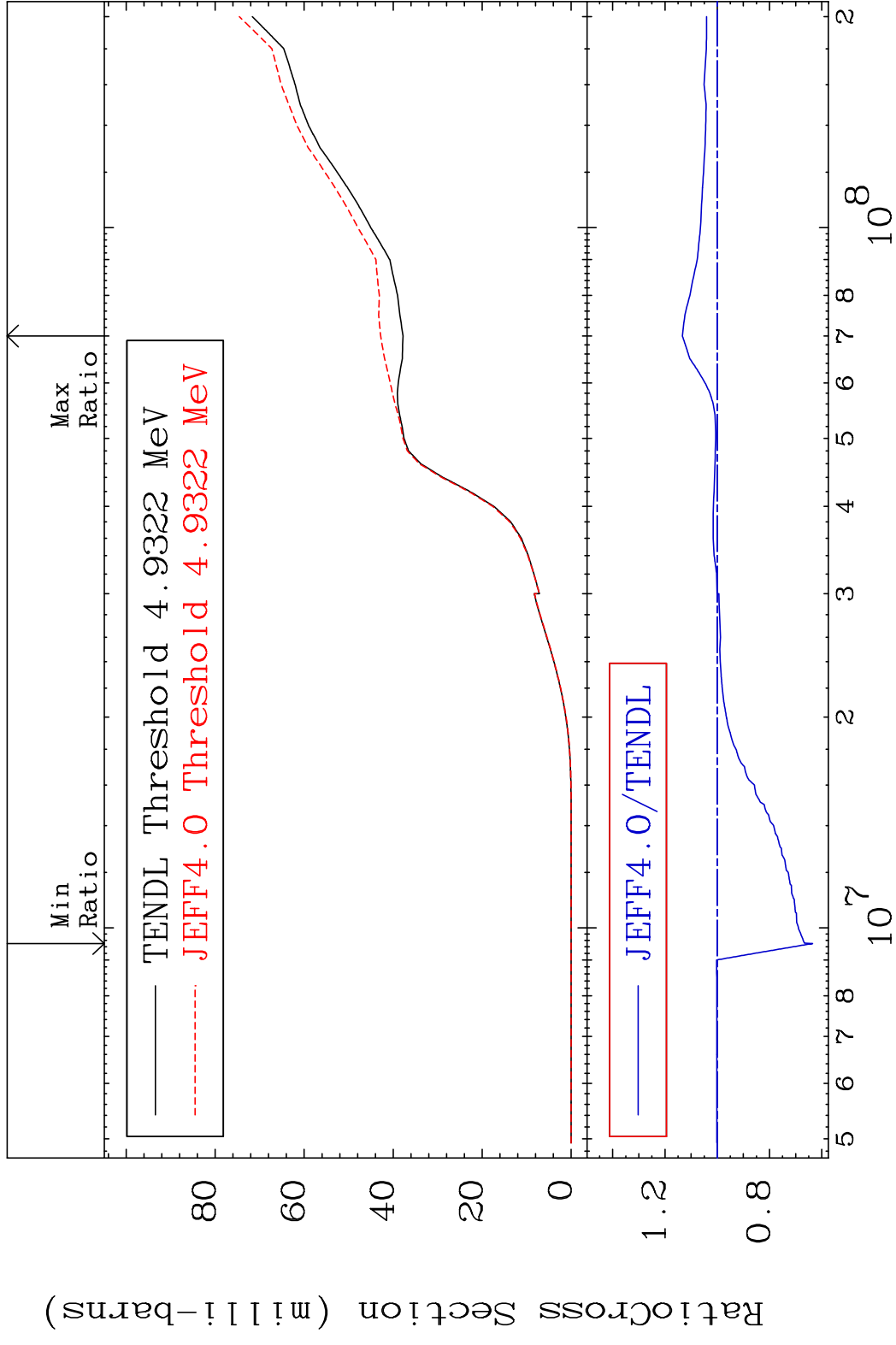
Deuterium Production 90-Th-230  
Cross Section -18.11 To 678.4 %



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90-Th-230

MAT 9034 Tritium Production 90-Th-230  
 Cross Section -36.47 To 13.35 %

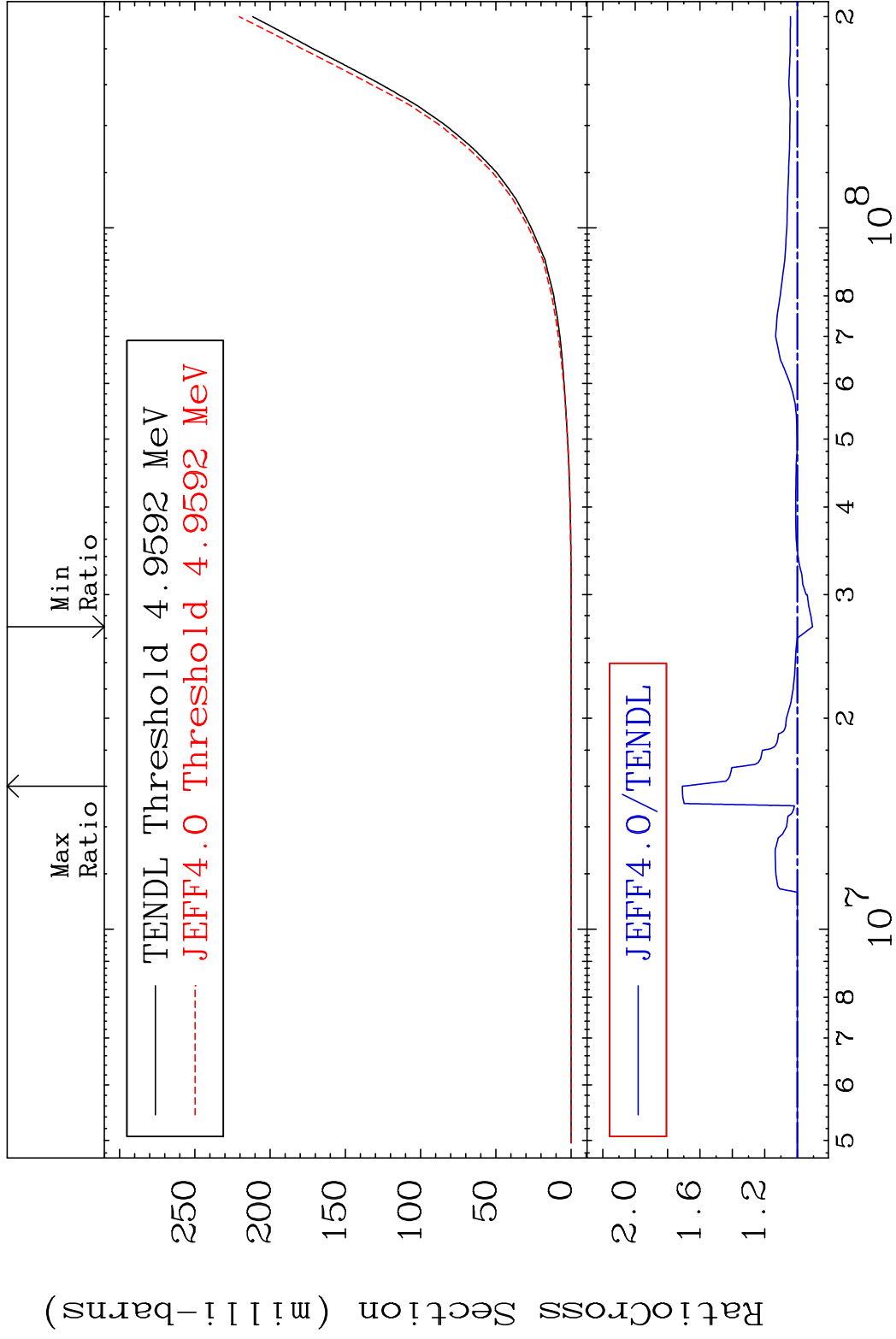


MAT 9034

He-3 Production

90-Th-230

Cross Section -9.452 To 70.86 %



65

Incident Energy (eV)

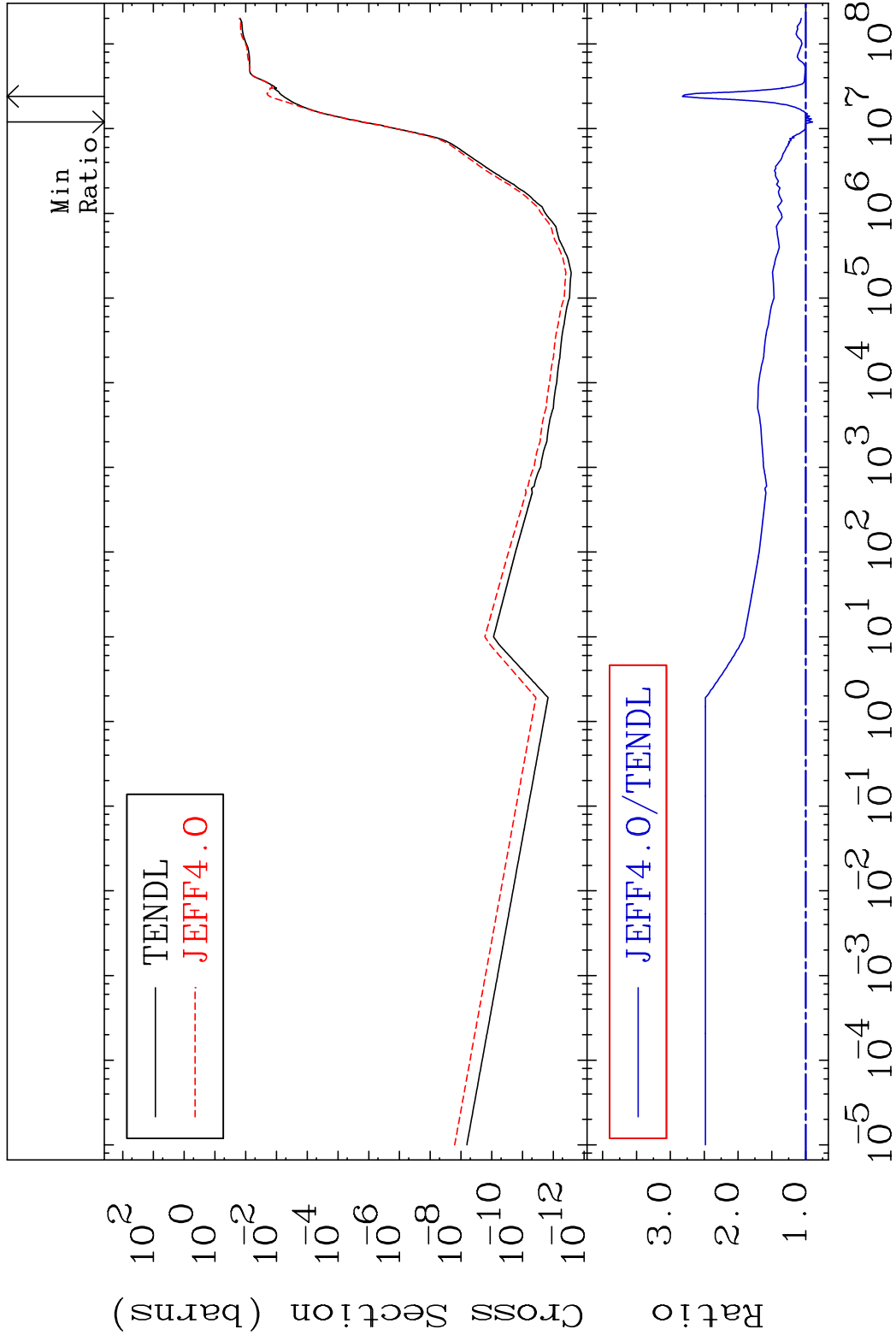
90-Th-230

MAT 9034

He-4 Production

90-Th-230

Cross Section -10.15 To 182.2 %

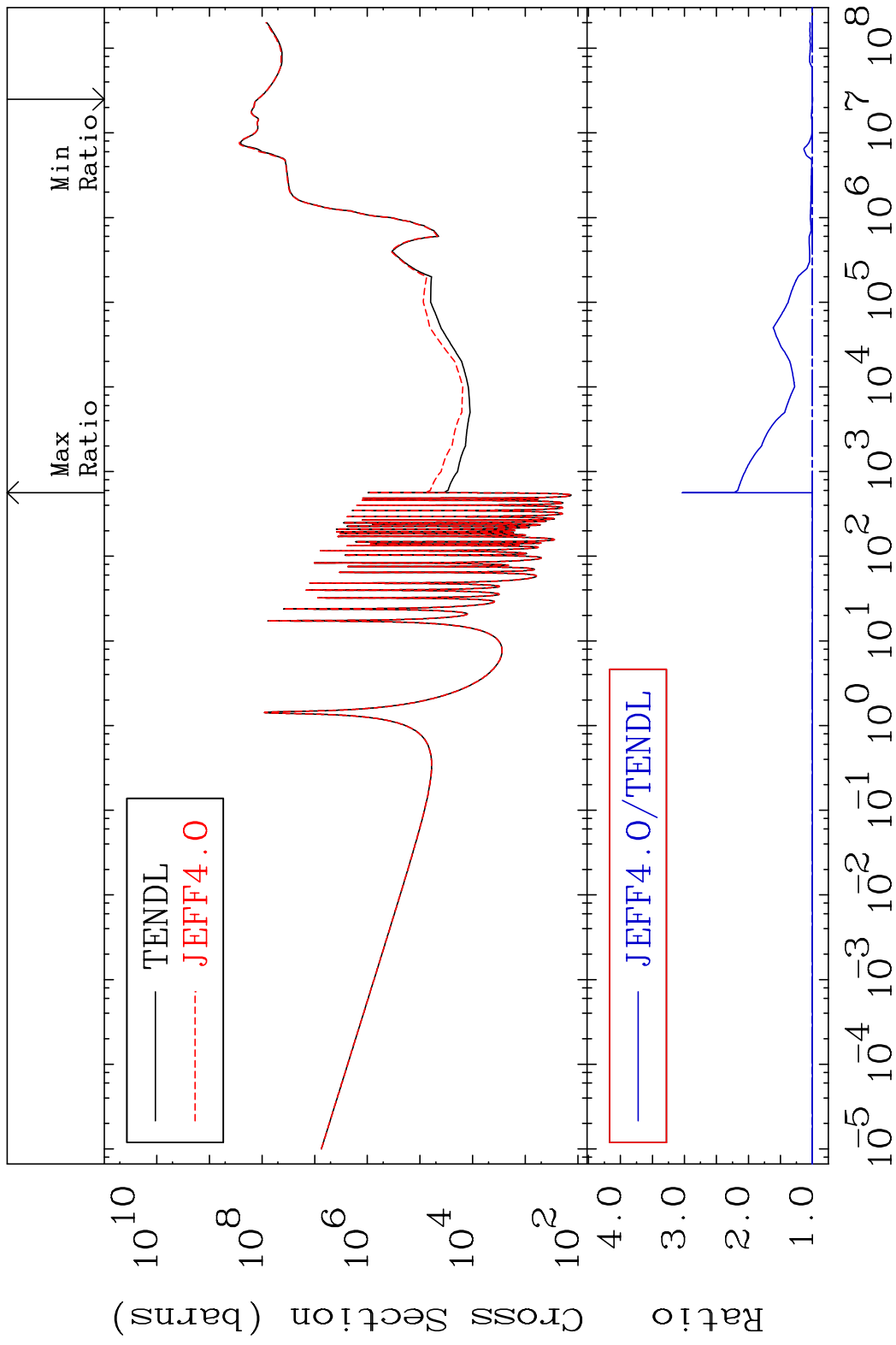


66

Incident Energy (eV)

90-Th-230

MAT 9034 Kerma total (eV-barns) 90-Th-230  
 Cross Section -0.170 To 203.3 %



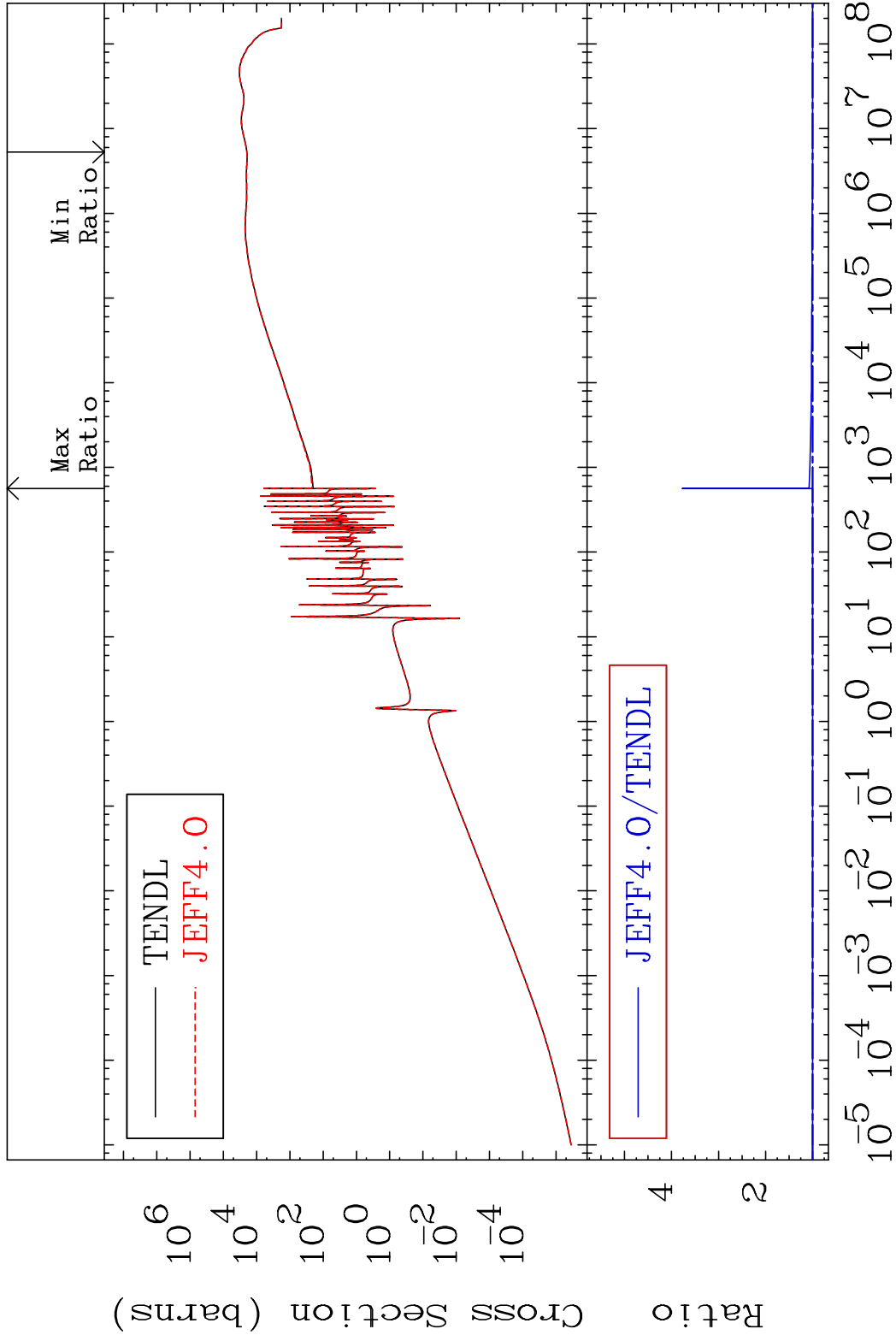
67 Incident Energy (eV) 90-Th-230

MAT 9034

Kerma elastic

90-Th-230

Cross Section -0.029 To 277.0 %

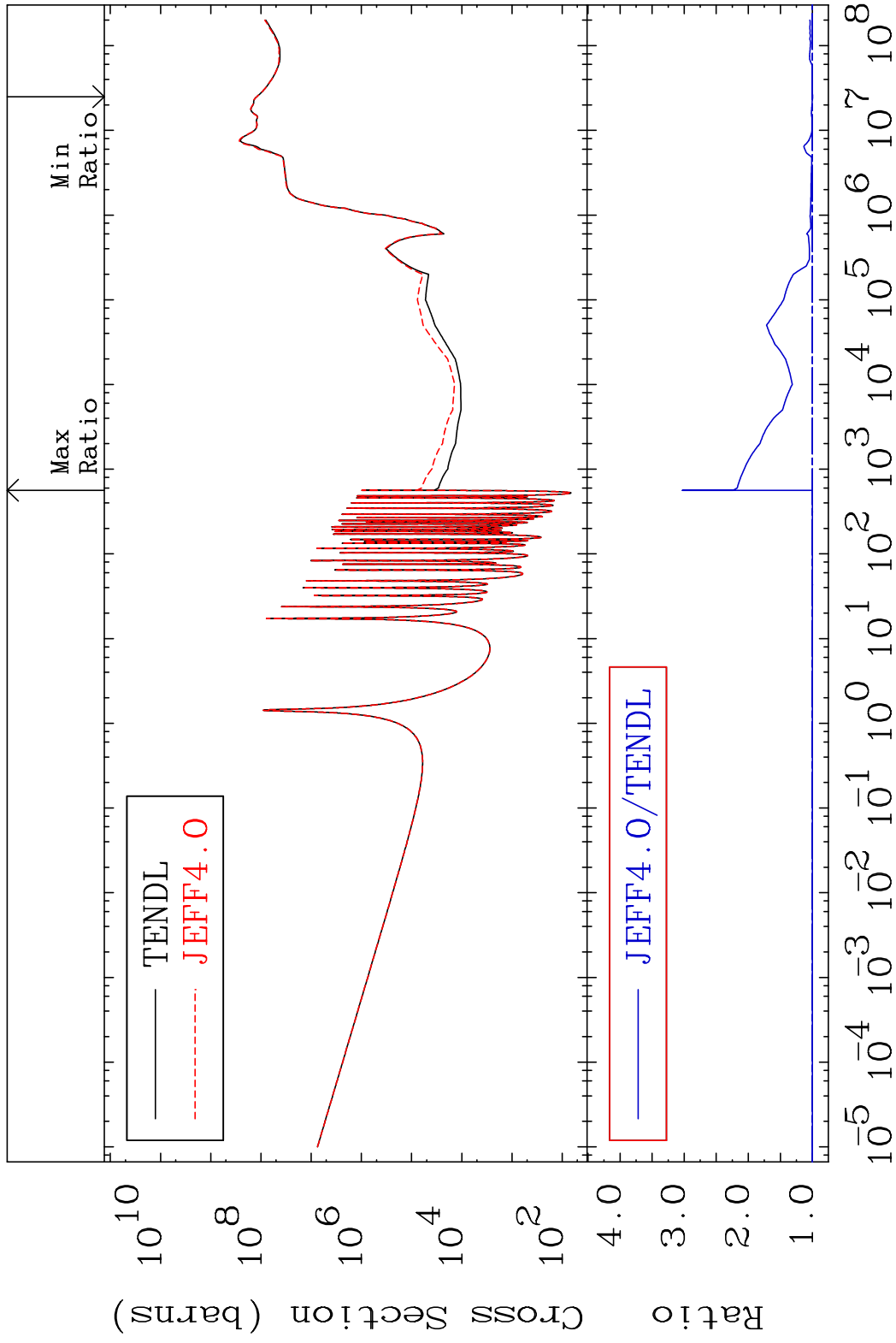


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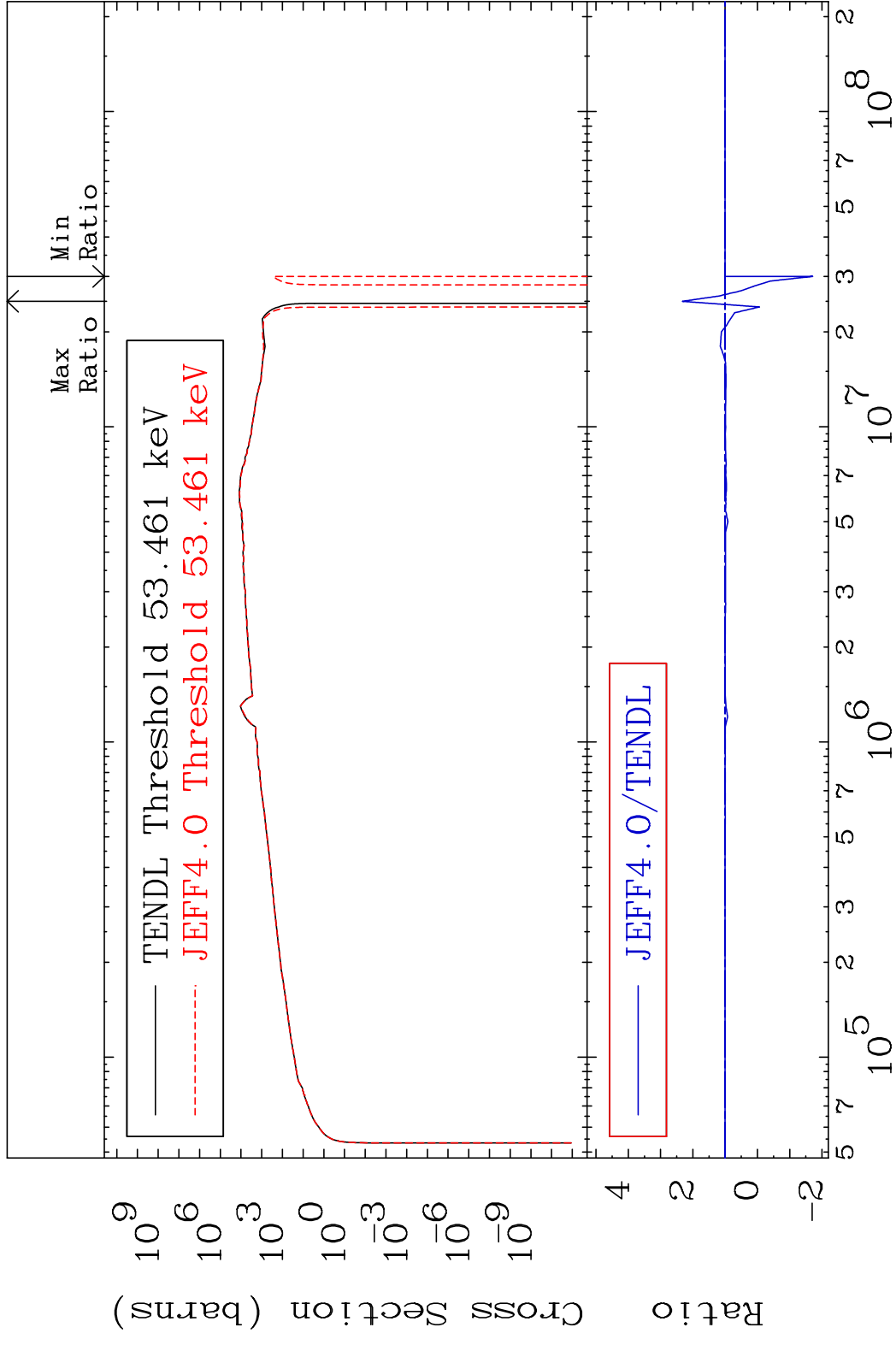
Incident Energy (eV)

90-Th-230

MAT 9034 Kerma non-elastic (all but mt2) 90-Th-230  
 Cross Section -0.170 To 202.8 %

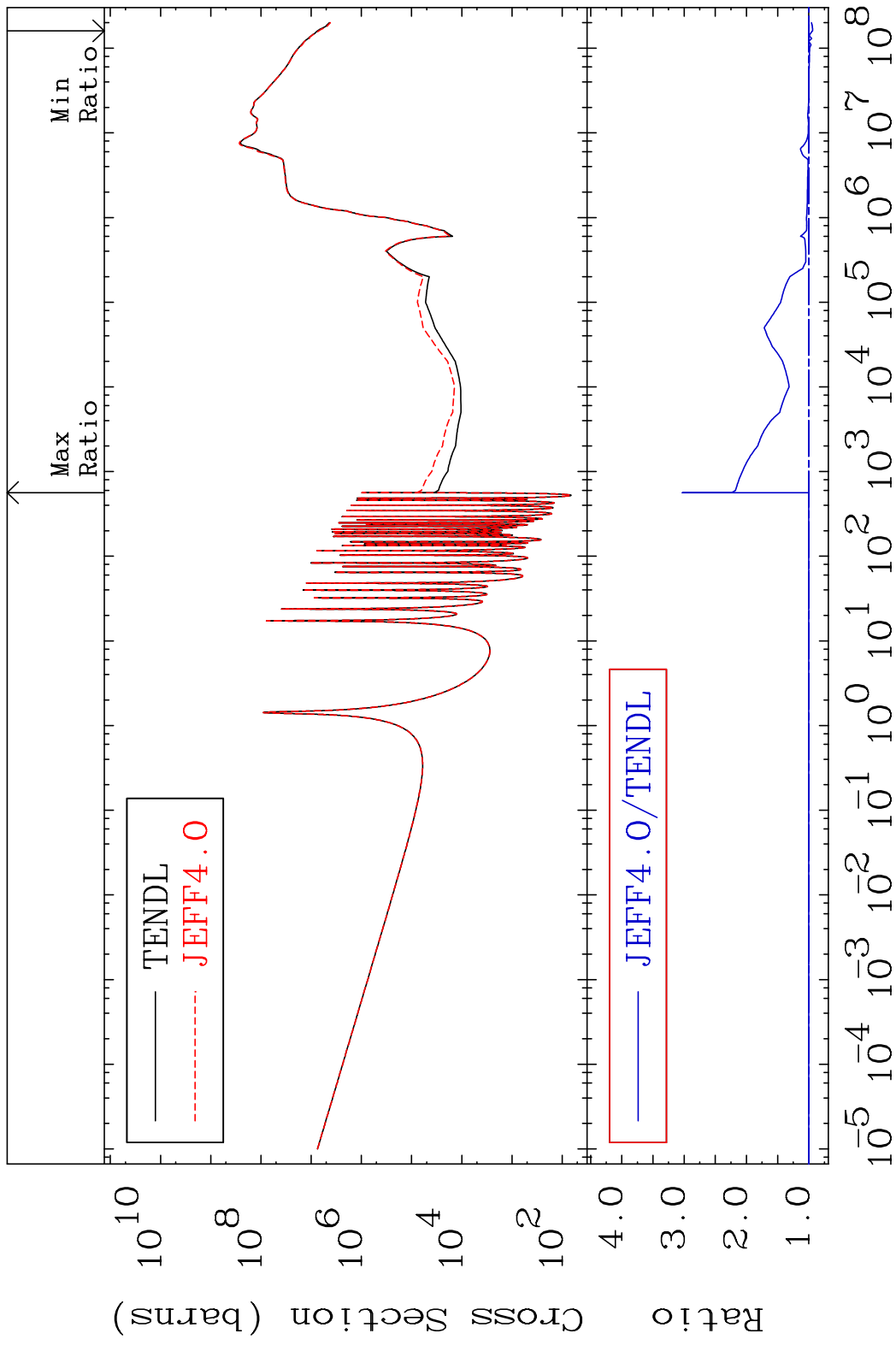


MAT 9034 Kerma inelastic (mt51-91) 90-Th-230  
 Cross Section -270.8 To 132.6 %



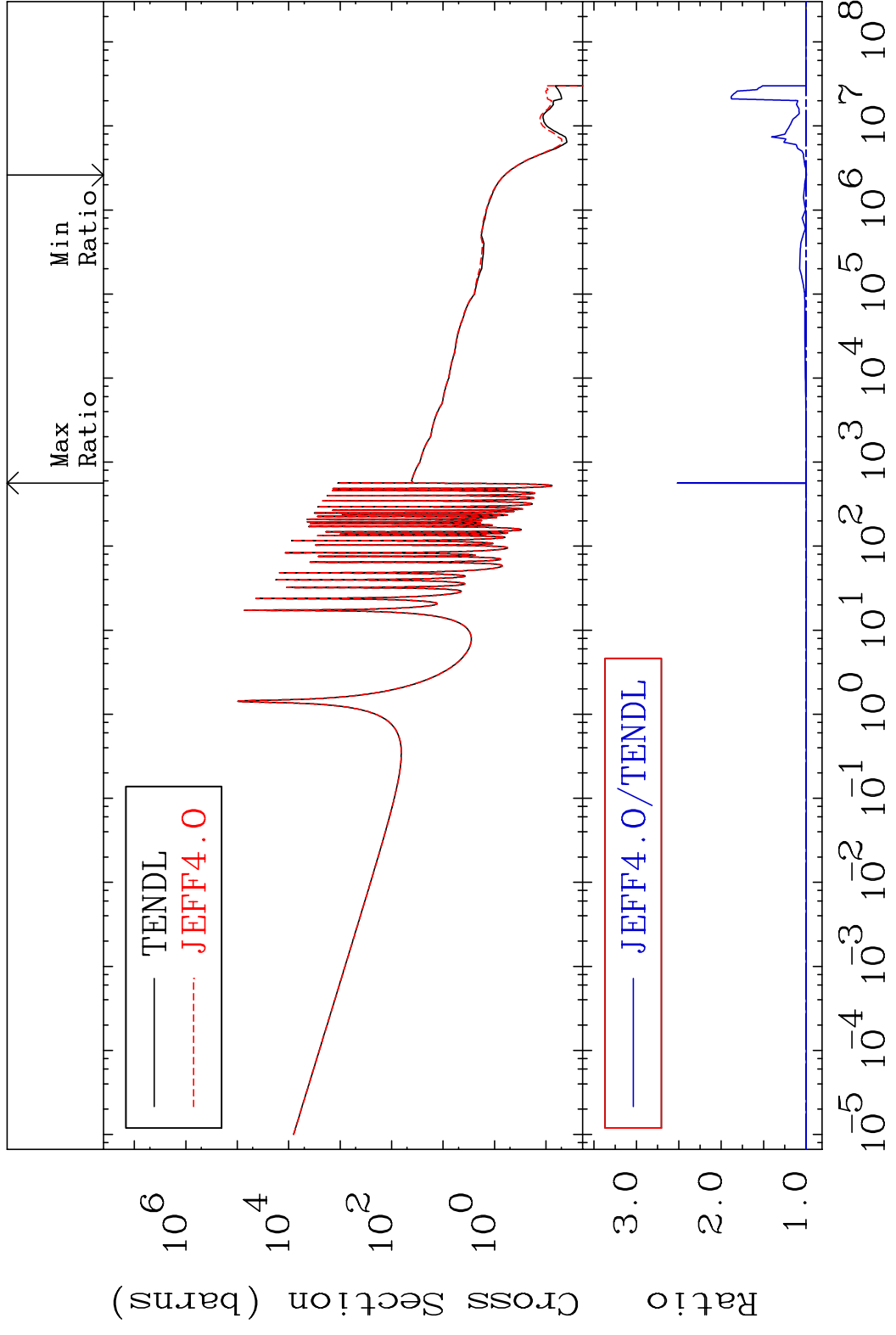
70 Incident Energy (eV) 90-Th-230

MAT 9034 Kerma fission (mt18 or mt19-20-21-38)90-Th-230  
 Cross Section -6.002 To 202.9 %



MAT 9034

Kerma capture (mt102) 90-Th-230  
Cross Section -0.464 To 151.9 %

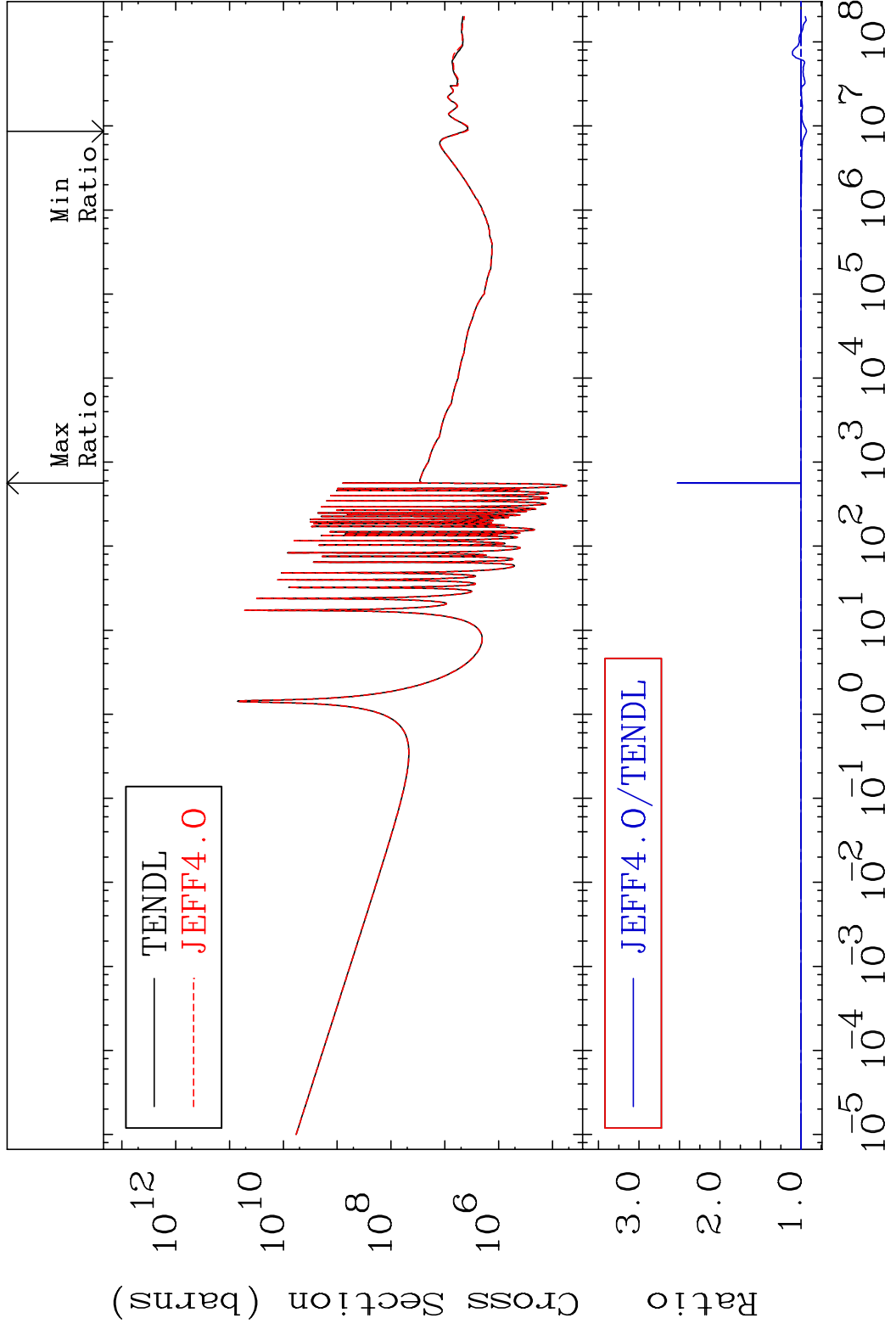


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90-Th-230

MAT 9034

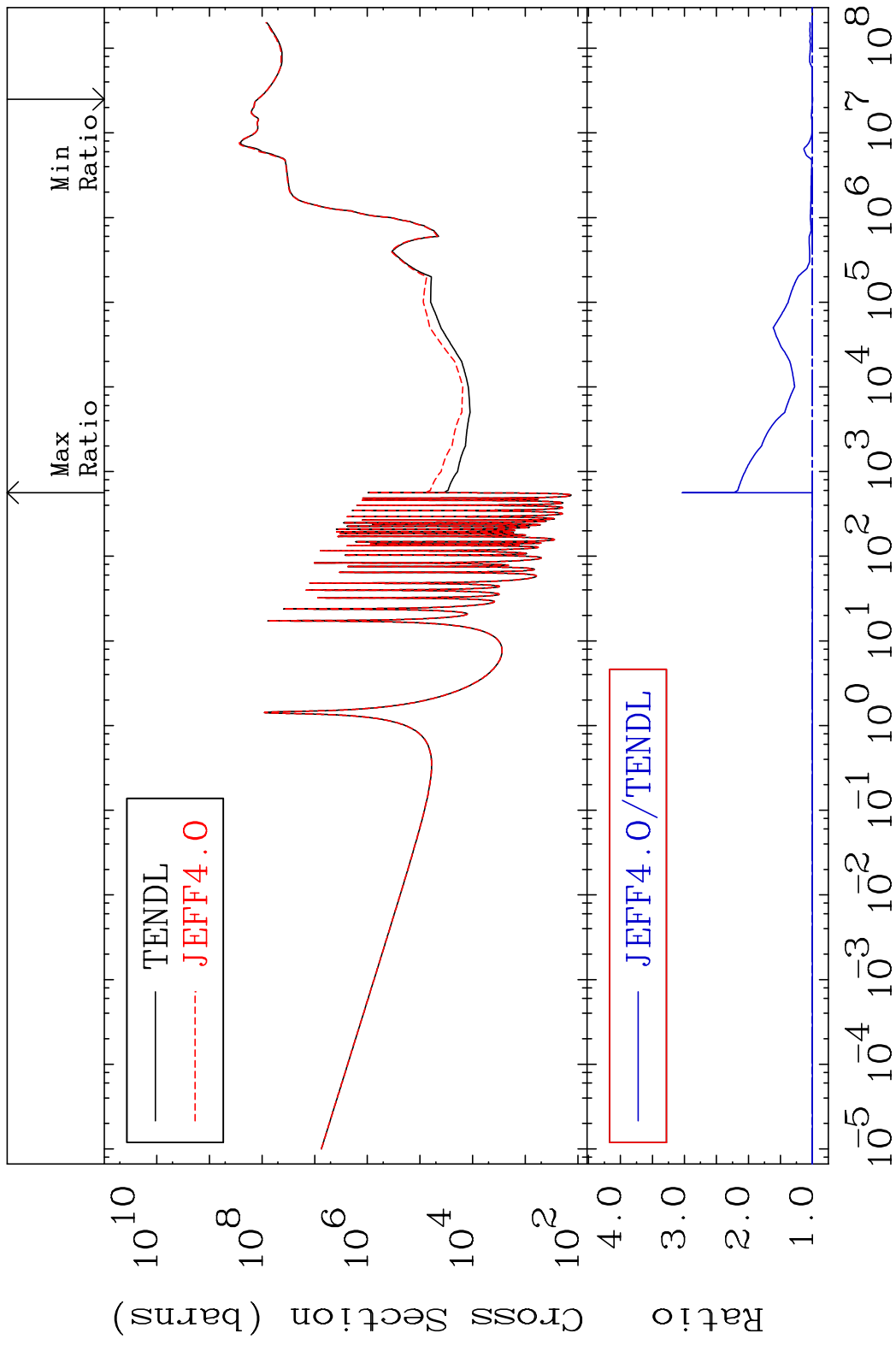
Total photon (eV-barns) 90-Th-230  
Cross Section -6.660 To 152.9 %



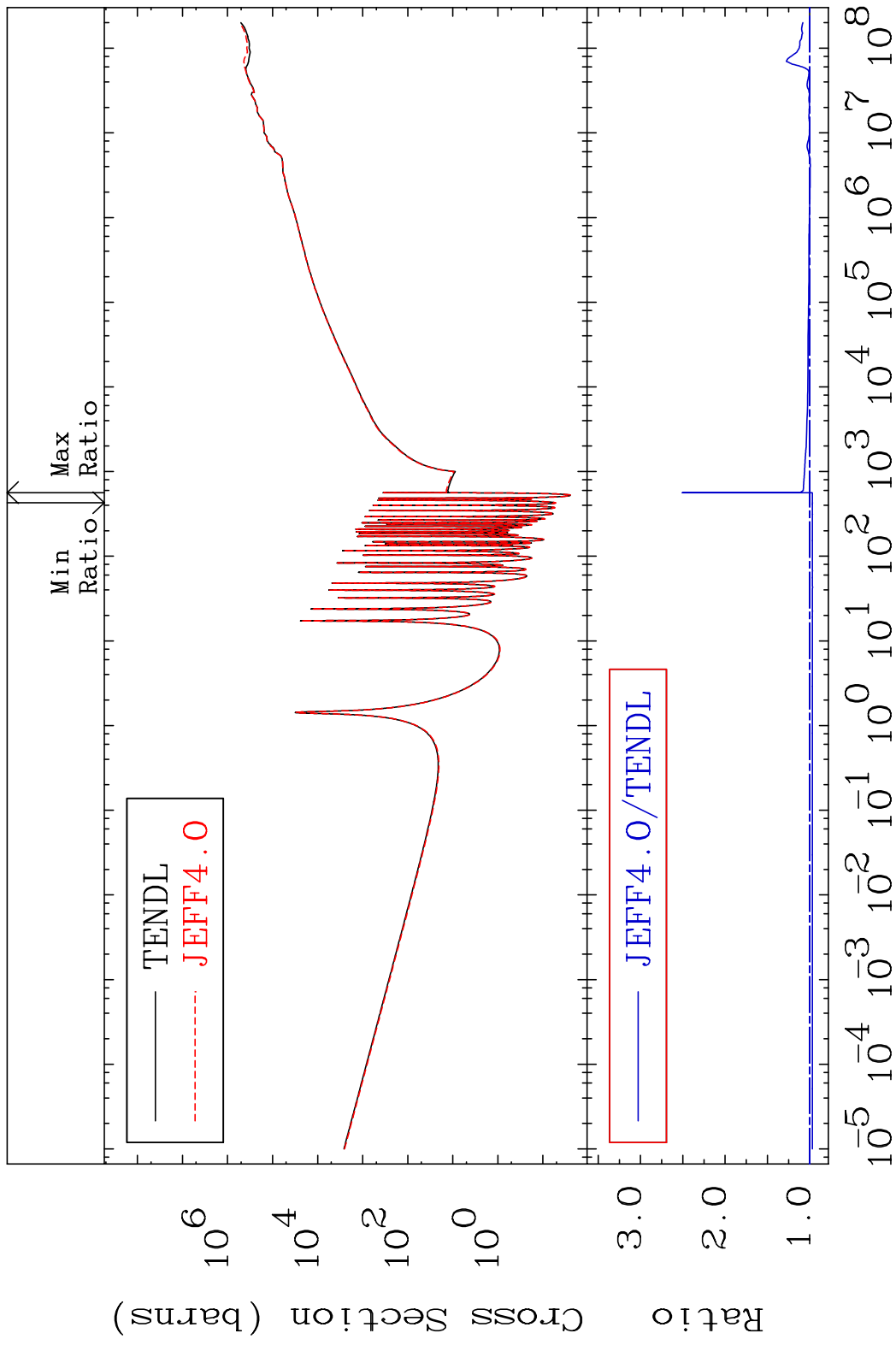
73

Incident Energy (eV) 90-Th-230

MAT 9034 Total kinematic kerma (high limit) 90-Th-230  
 Cross Section -0.167 To 203.3 %



MAT 9034      Dpa total (eV-barns)      90-Th-230  
Cross Section      -3.331 To 150.5 %



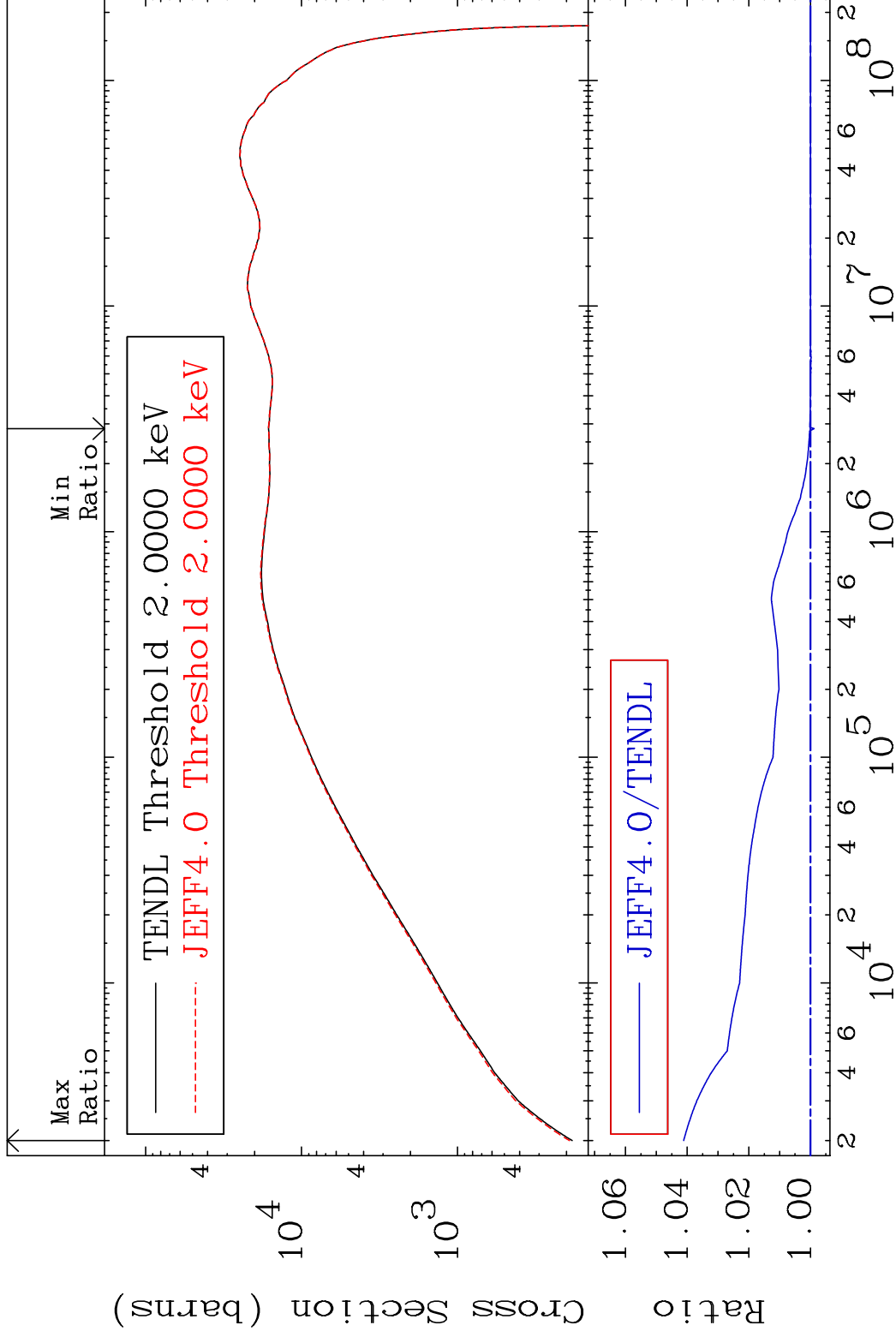
75      Incident Energy (eV)      90-Th-230

MAT 9034

Dpa elastic (mt2)

90-Th-230

Cross Section -0.118 To 4.114 %



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Incident Energy (eV)

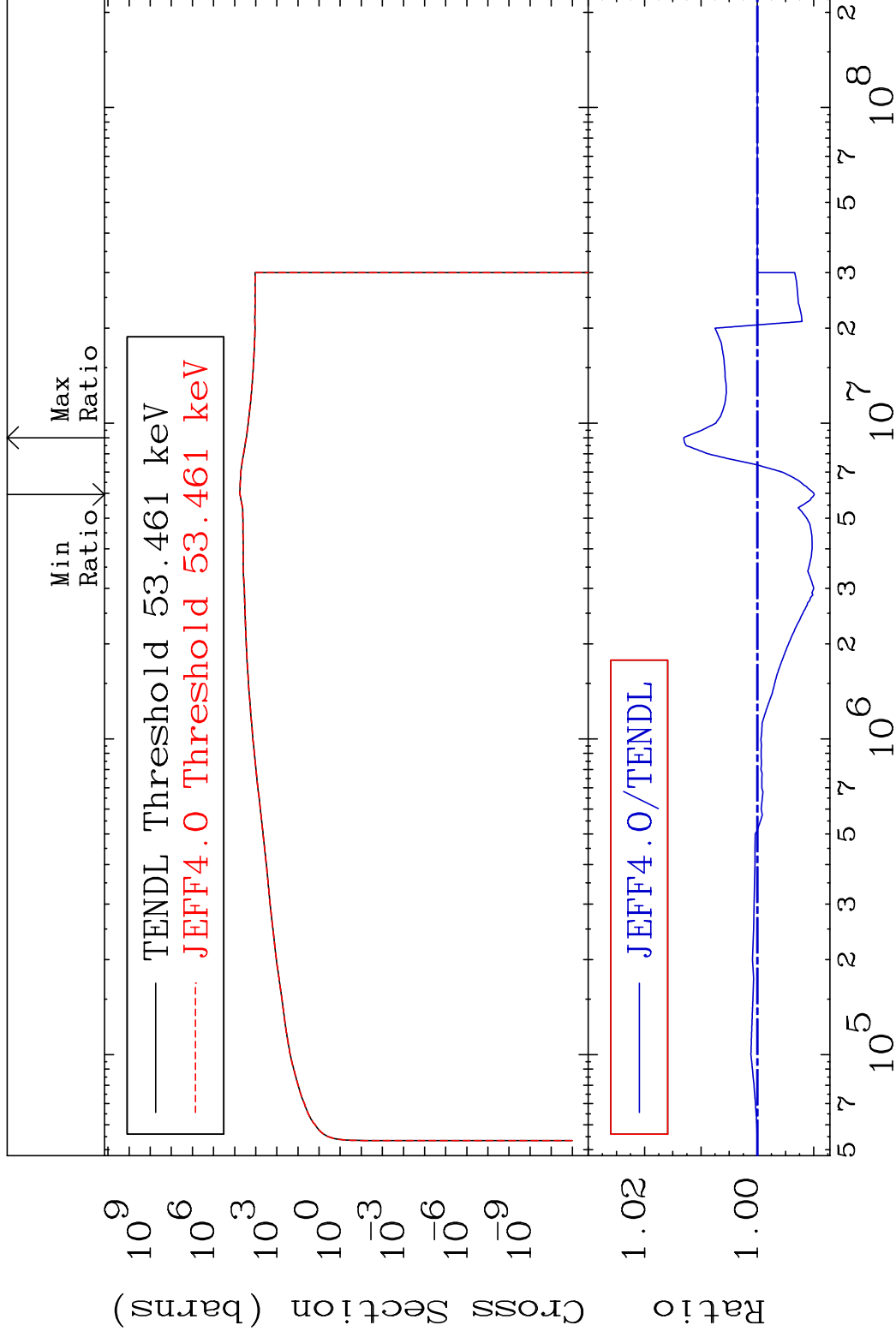
90-Th-230

MAT 9034

Dpa inelastic (mt51-91)

90-Th-230

Cross Section -1.008 To 1.307 %

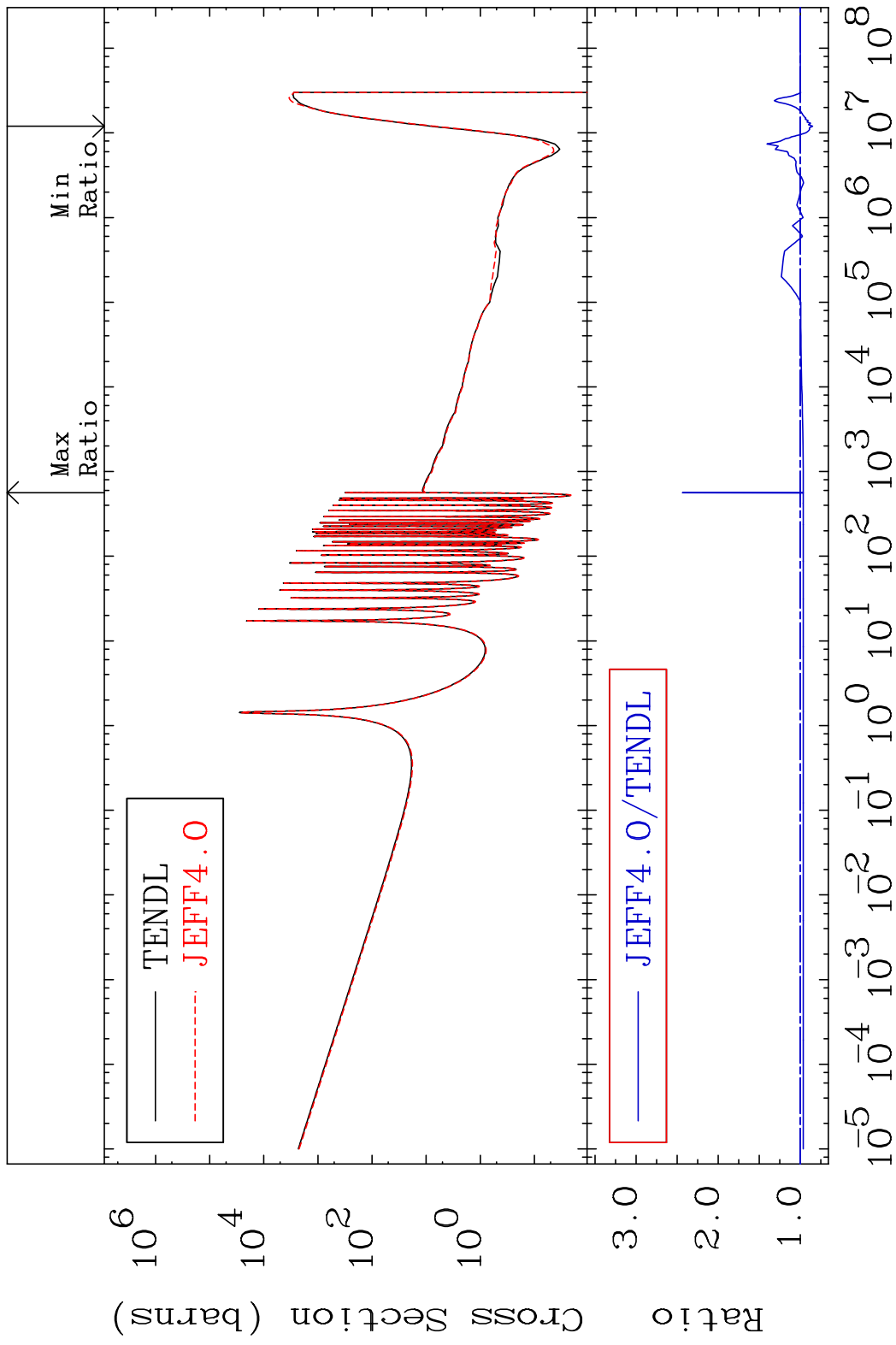


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Incident Energy (eV)

90-Th-230

MAT 9034 Dpa disappearance (mt102 -120) 90-Th-230  
 Cross Section -15.02 To 143.6 %



78 Incident Energy (eV) 90-Th-230