

Program Complot  
(Version 2021-1)

by

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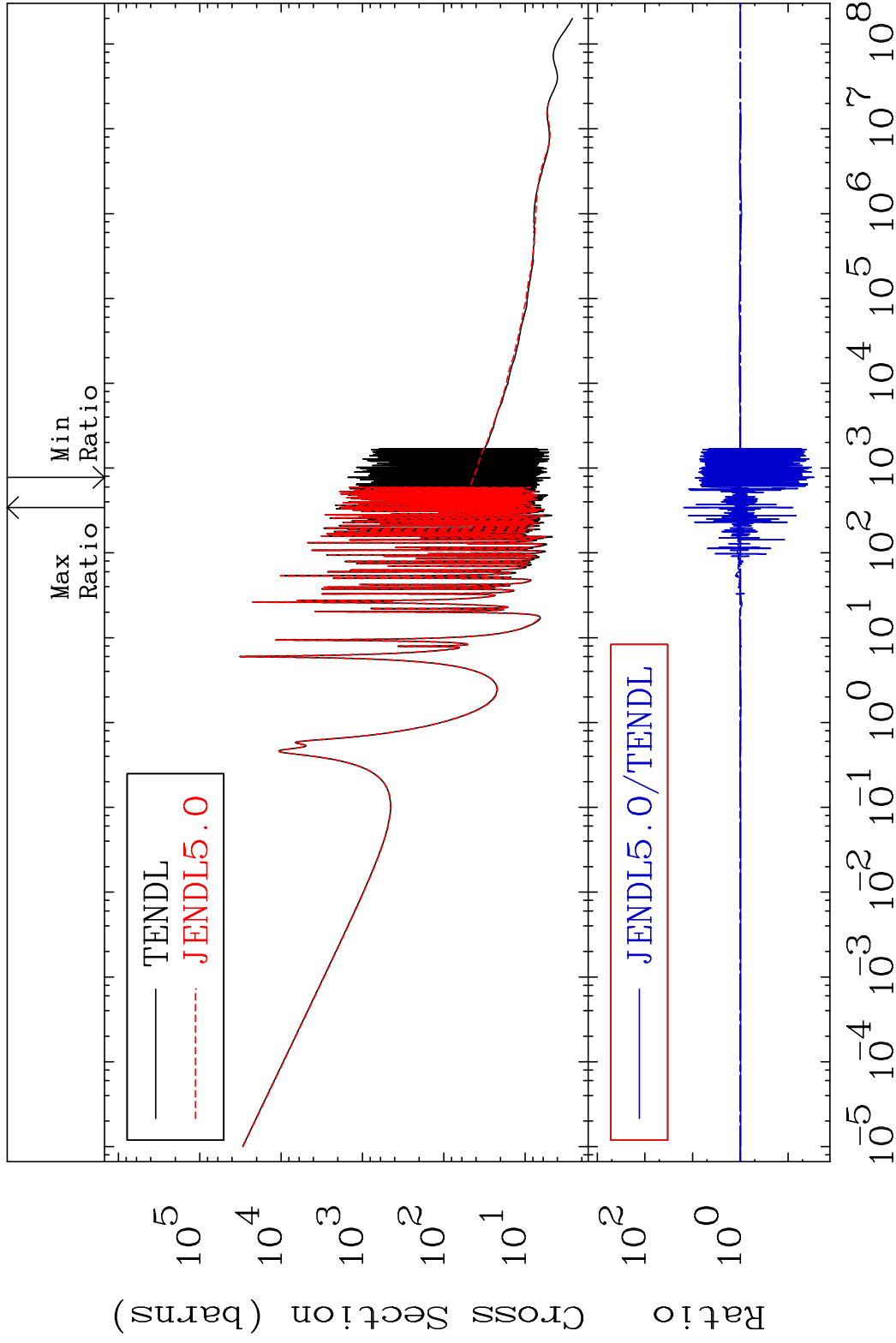
Press Mouse Button to Start

MAT 6840

Total

68-Er-167

Cross Section -97.15 To 1445. %



1

Incident Energy (eV)

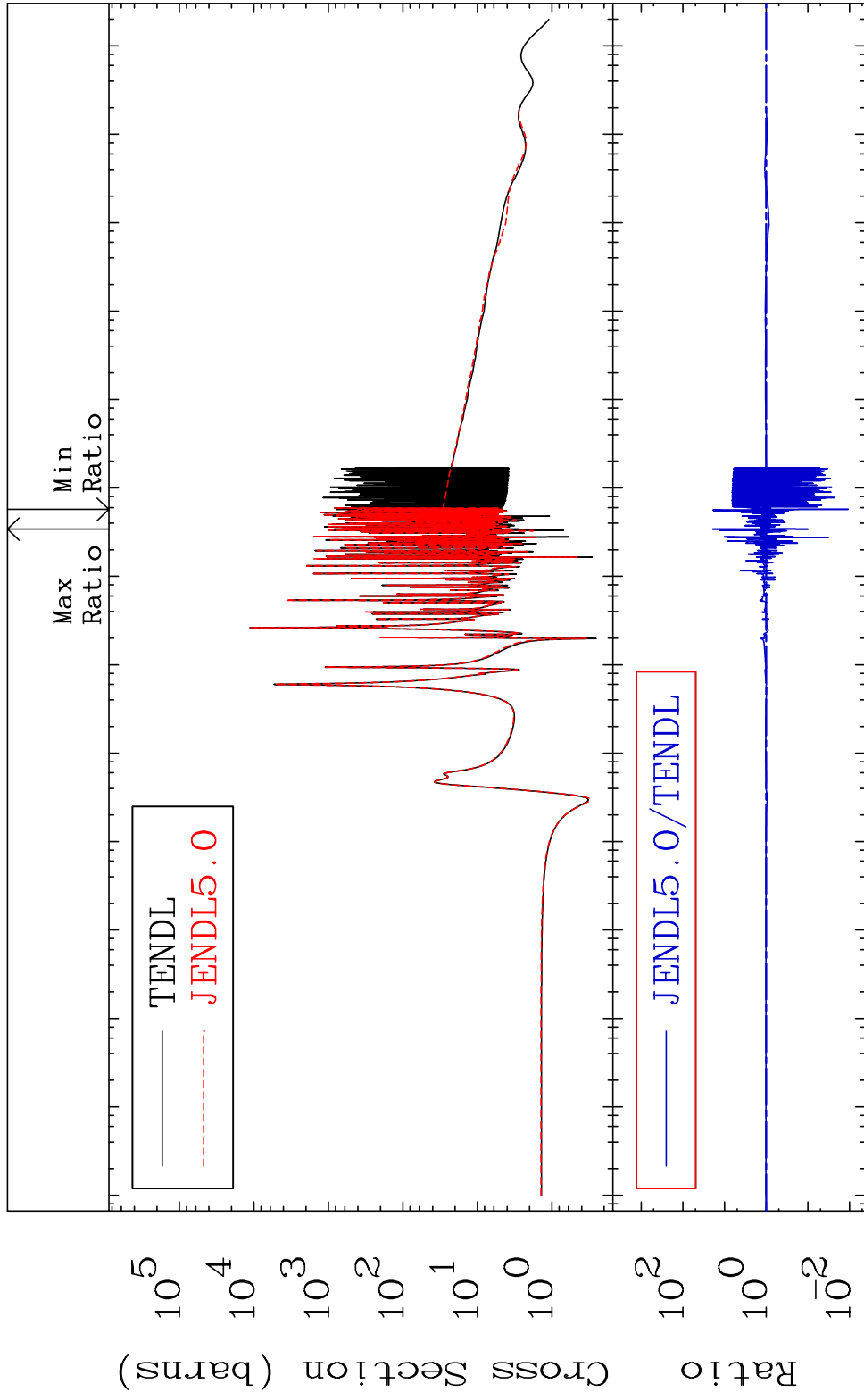
68-Er-167

MAT 6840

Elastic

68-Er-167

Cross Section -98.92 To 1859. %

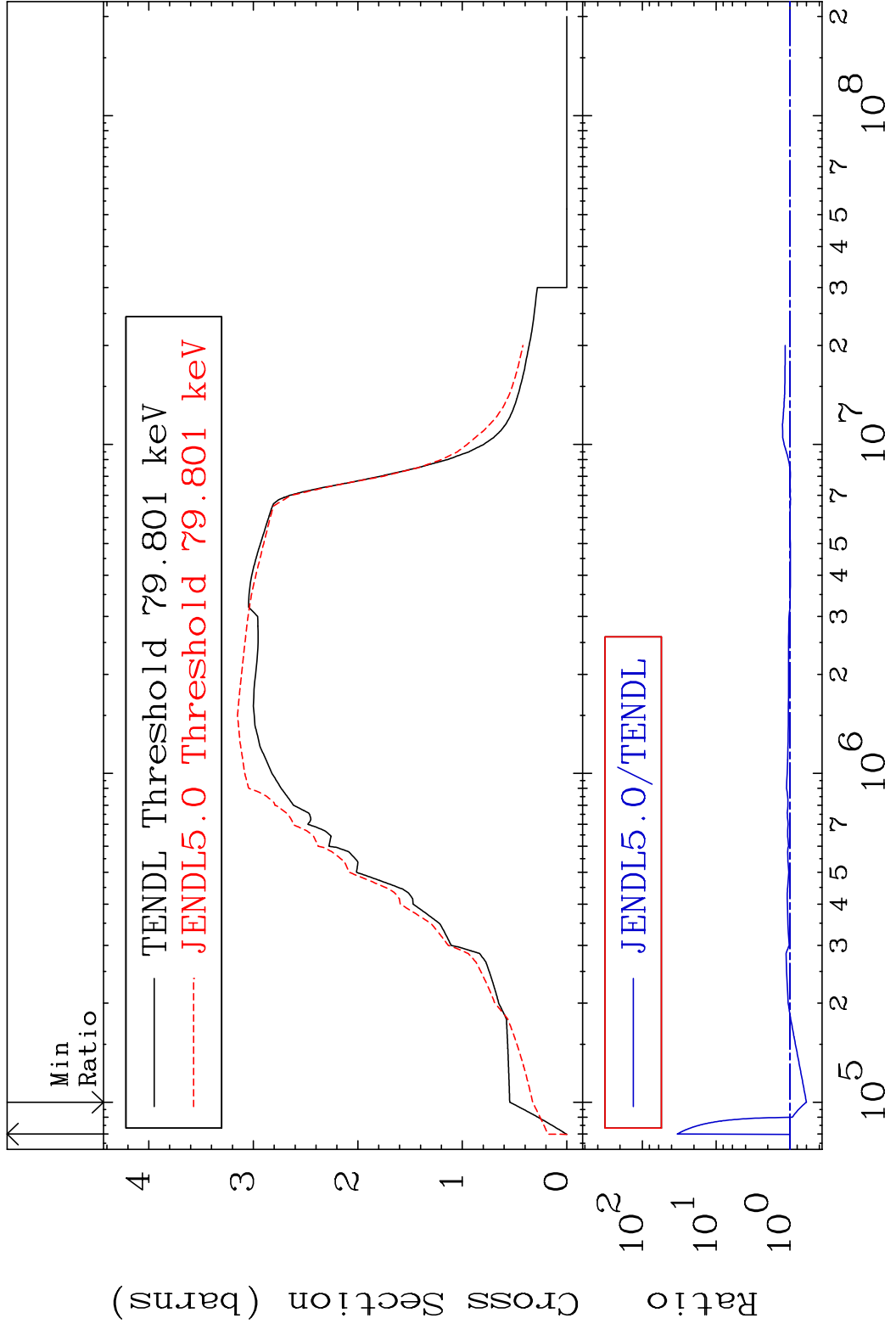


2

Incident Energy (eV)

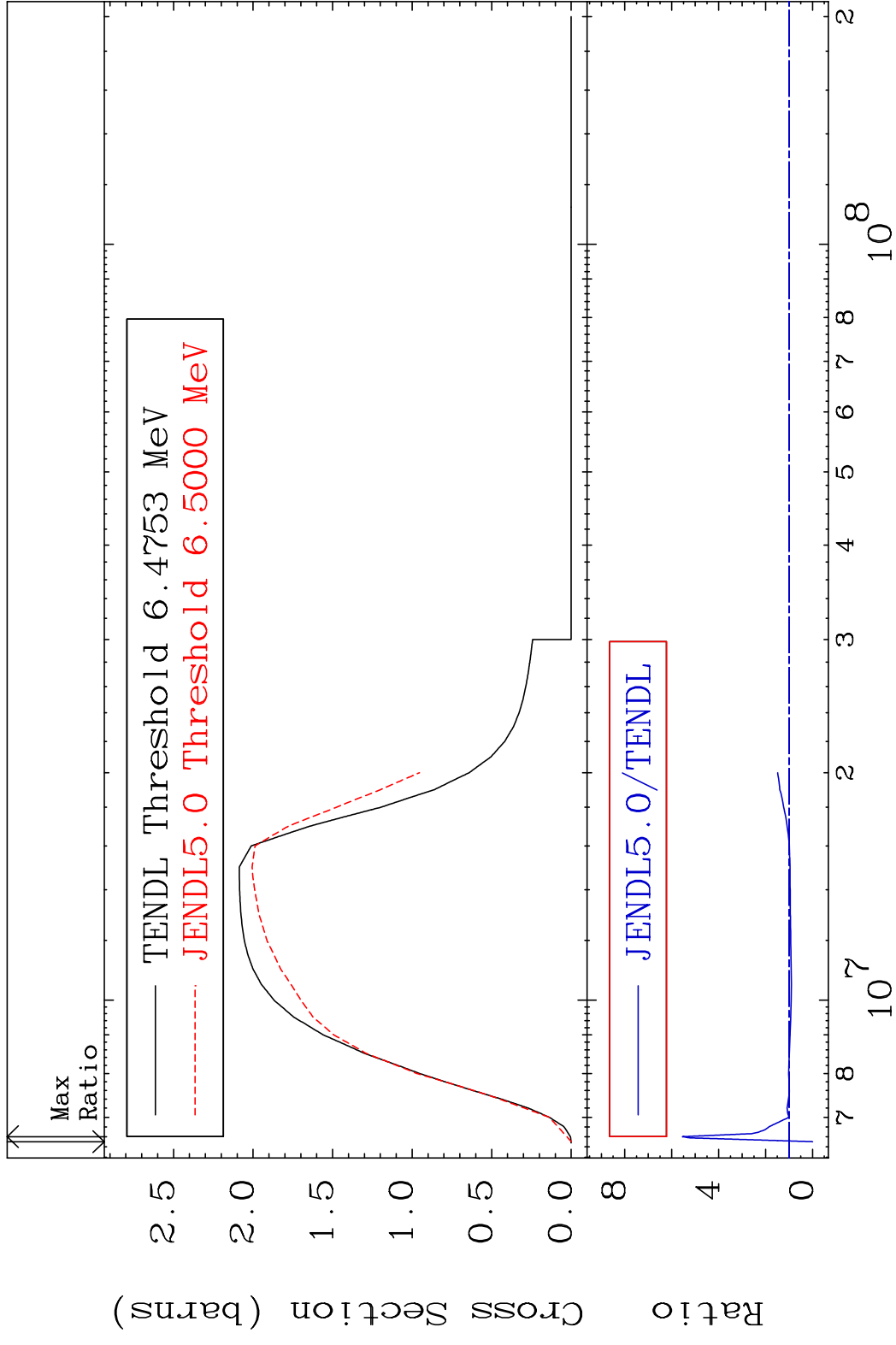
68-Er-167

MAT 6840 Inelastic 68-Er-167  
 Cross Section -40.12 To 3265. %



3 Incident Energy (eV) 68-Er-167

MAT 6840 (n,2n) 68-Er-167  
 Cross Section -100.0 To 454.8 %



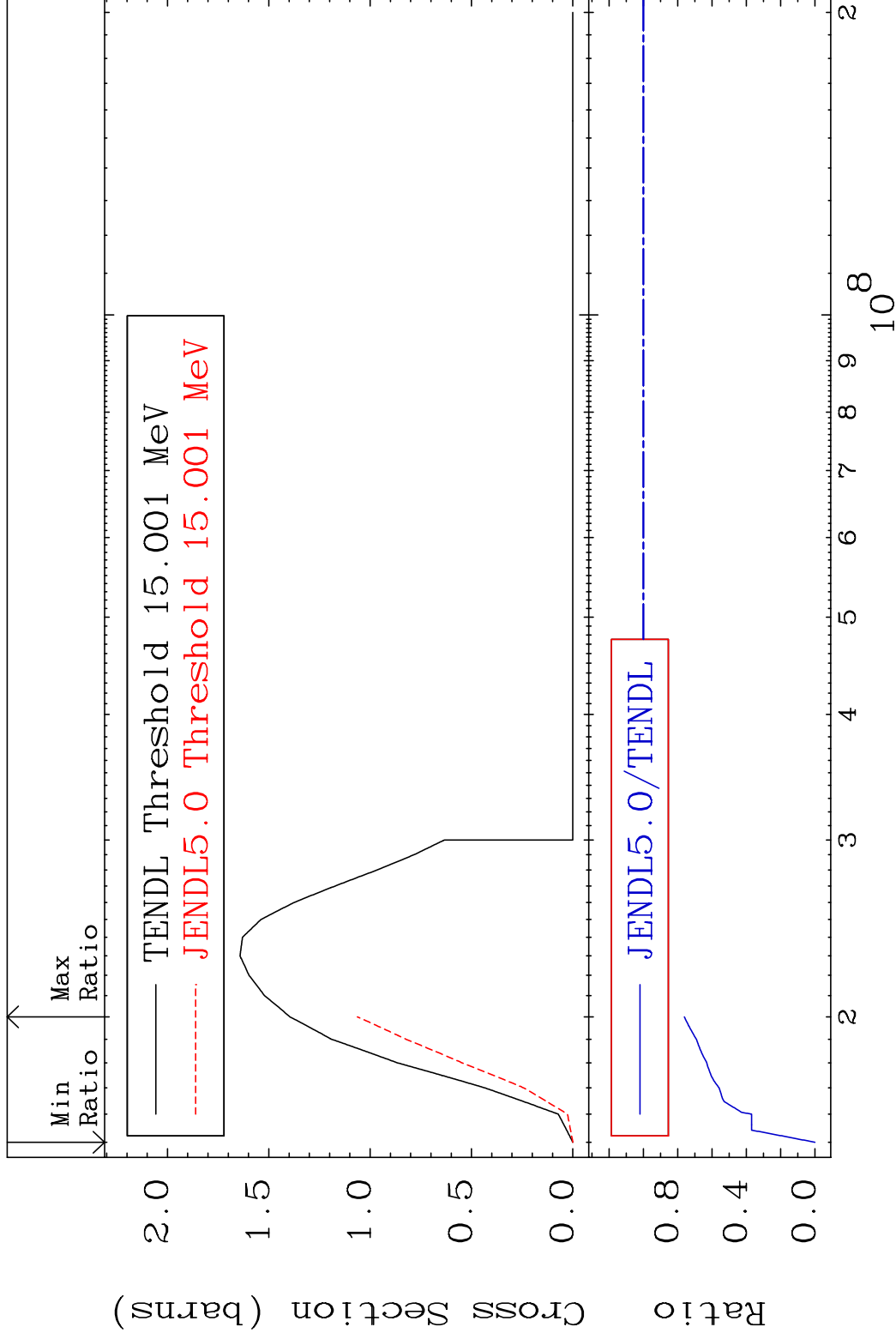
4 Incident Energy (eV) 68-Er-167

MAT 6840

(n,3n)

68-Er-167

Cross Section -100.0 To -23.83%



5

Incident Energy (eV)

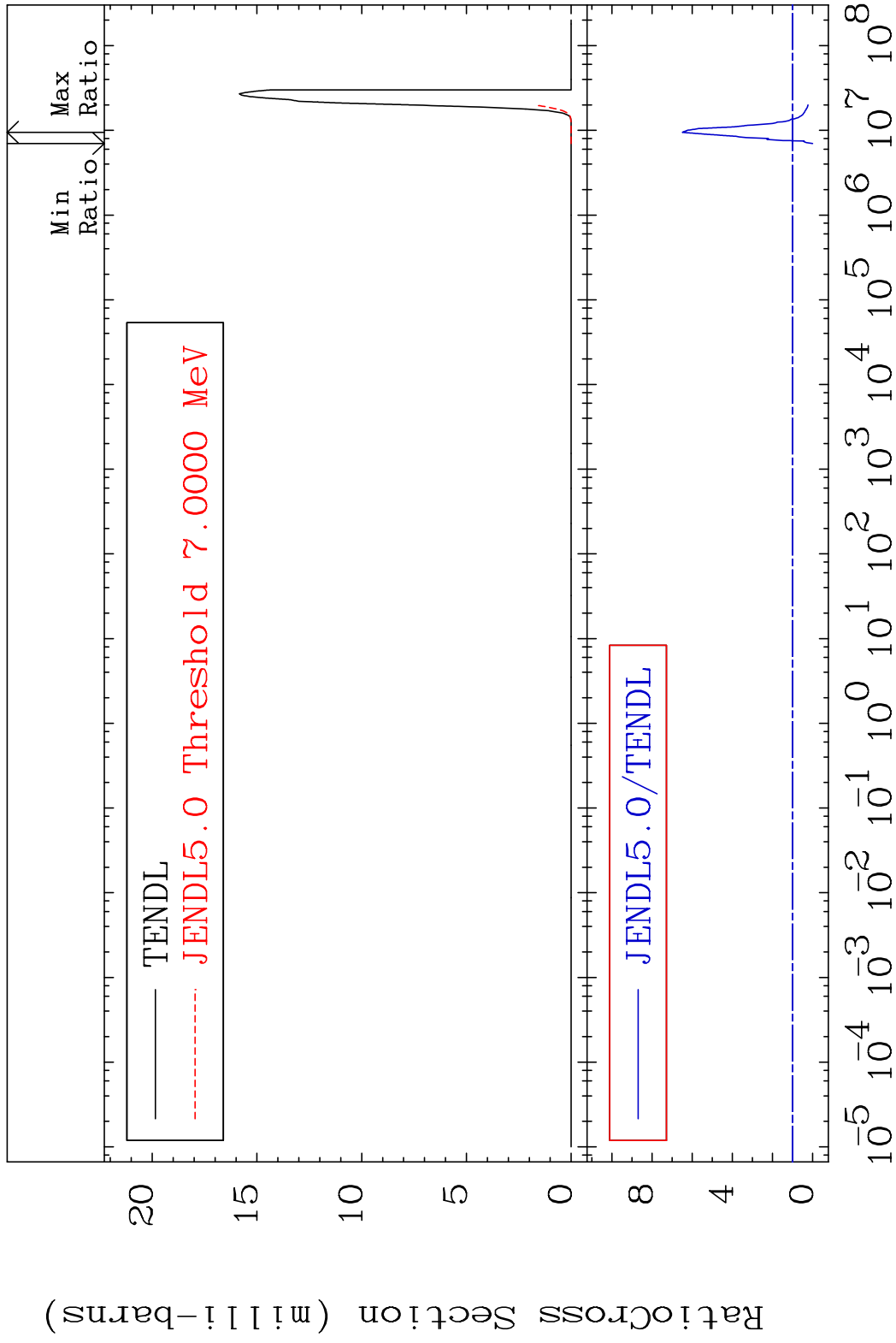
68-Er-167

MAT 6840

(n, n')  $\alpha$

68-Er-167

Cross Section -100.0 To 548.9 %



6

Incident Energy (eV)

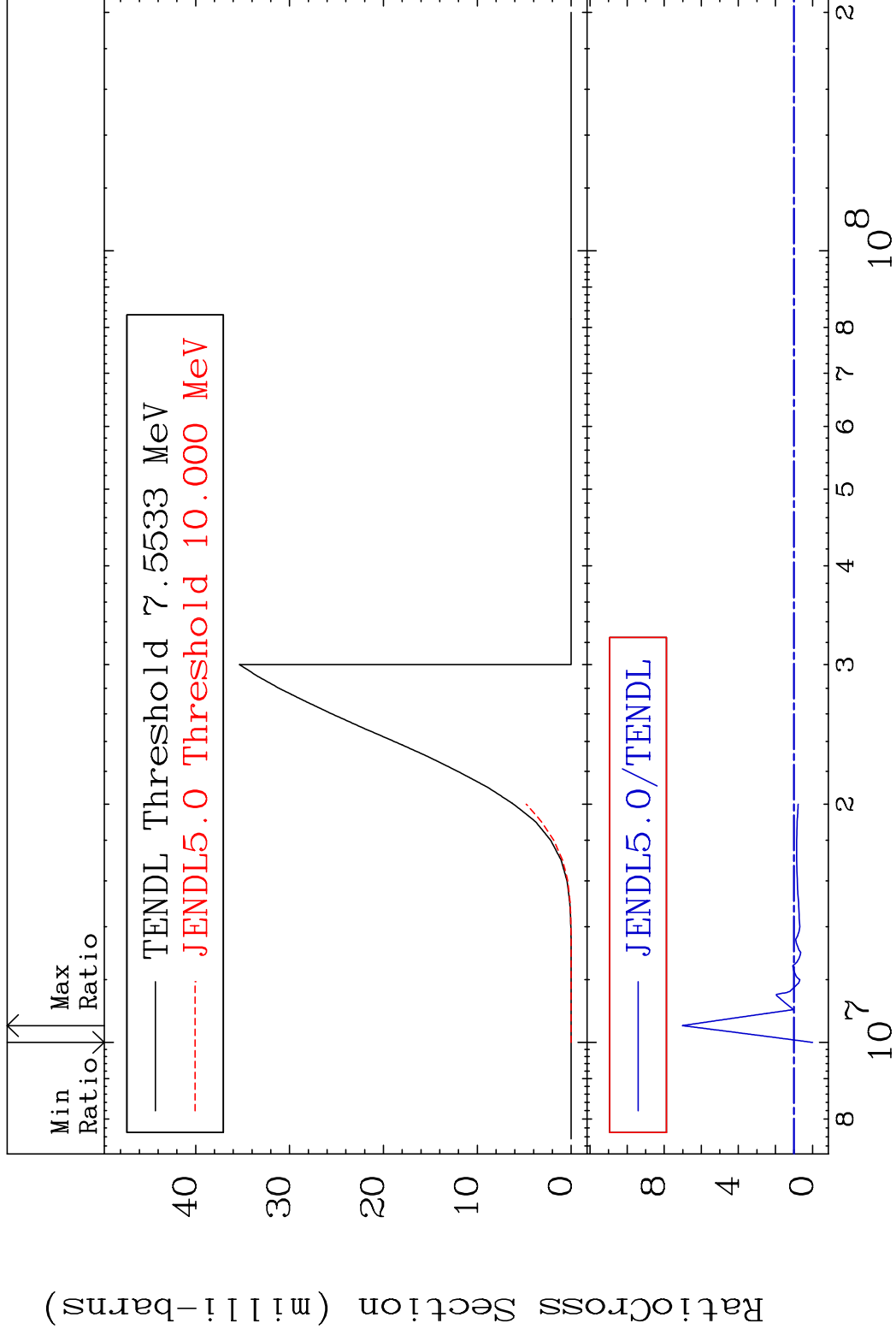
68-Er-167

MAT 6840

(n, n') p

68-Er-167

Cross Section -100.0 To 602.1 %



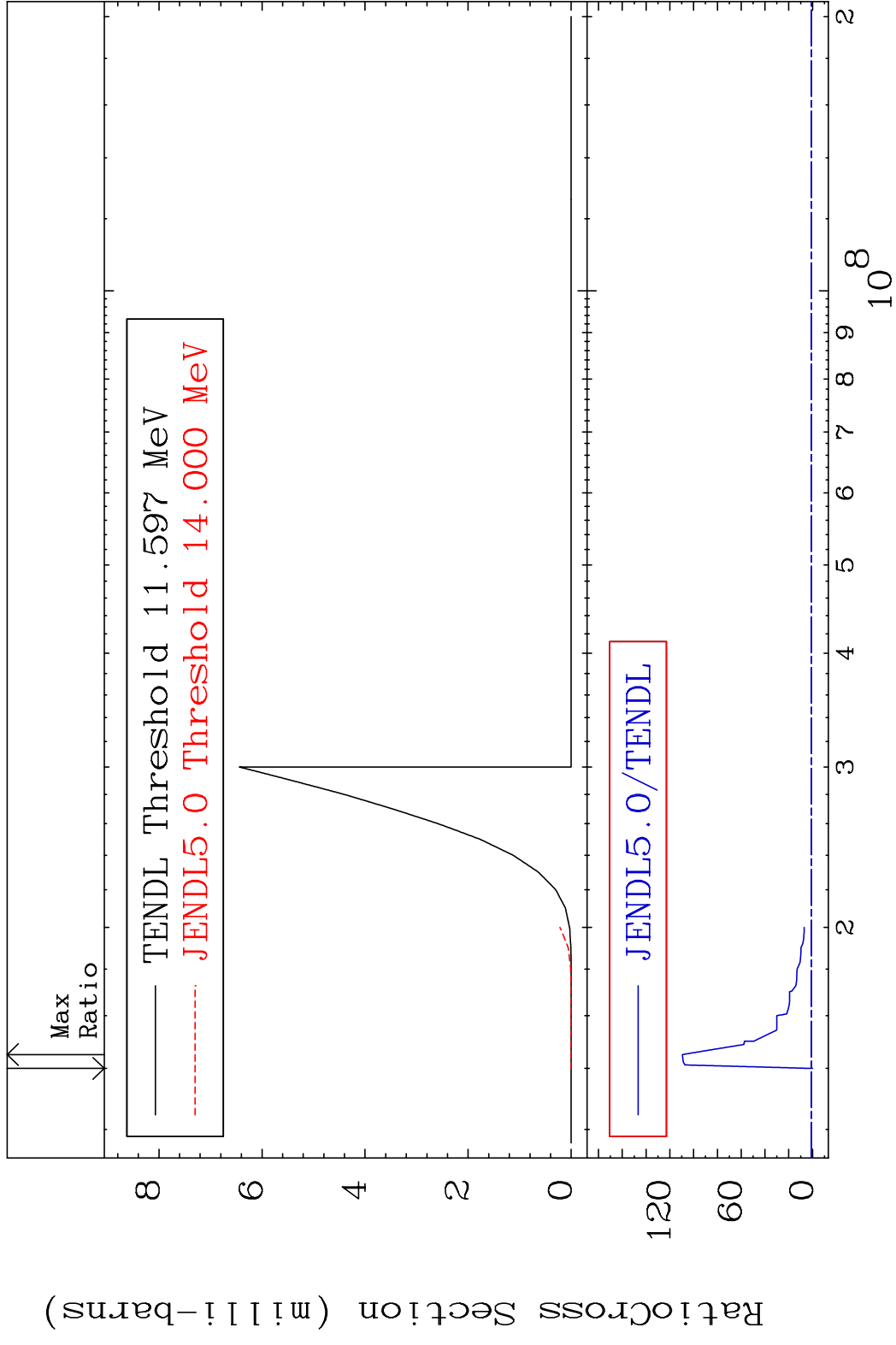
7

Incident Energy (eV)

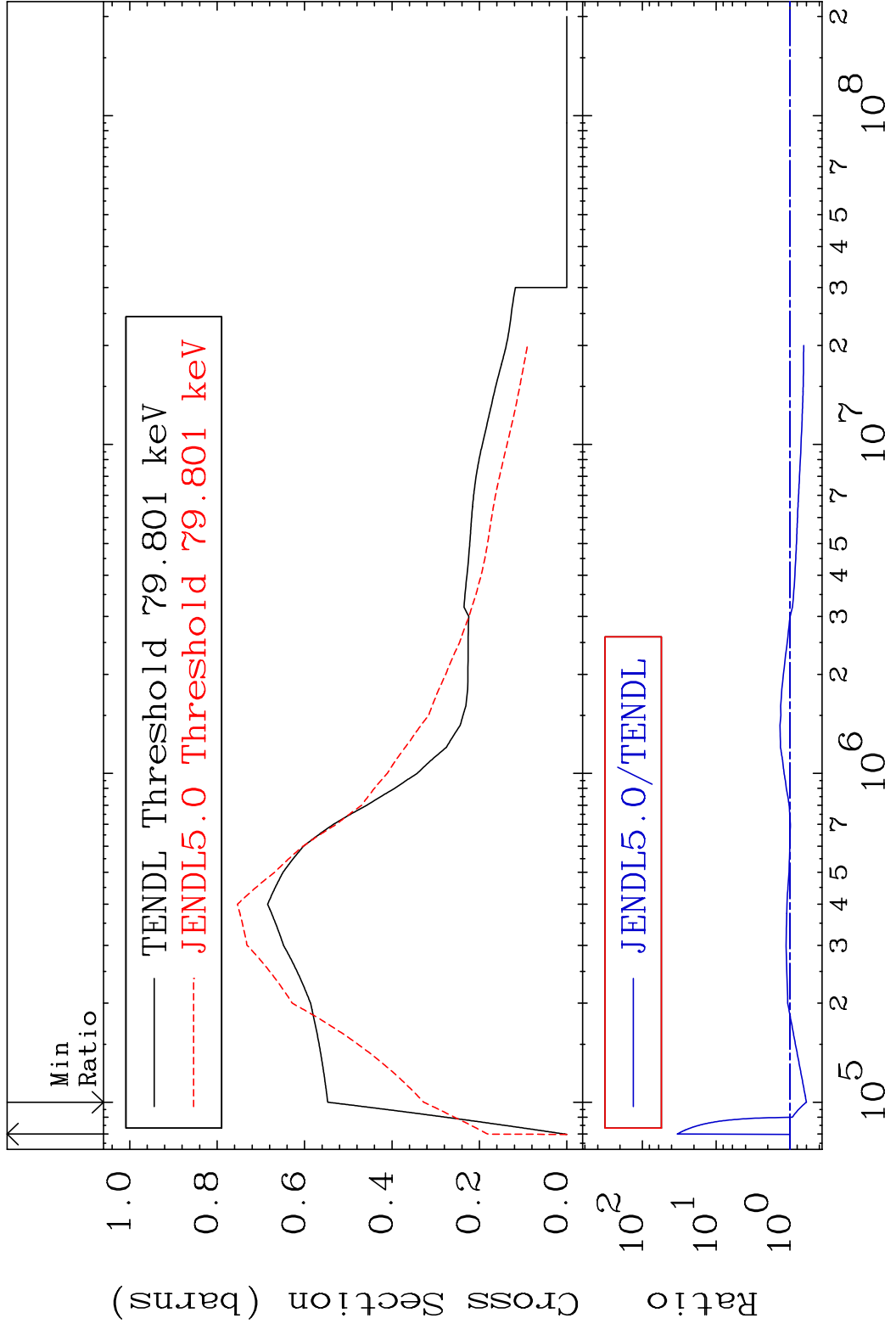
68-Er-167



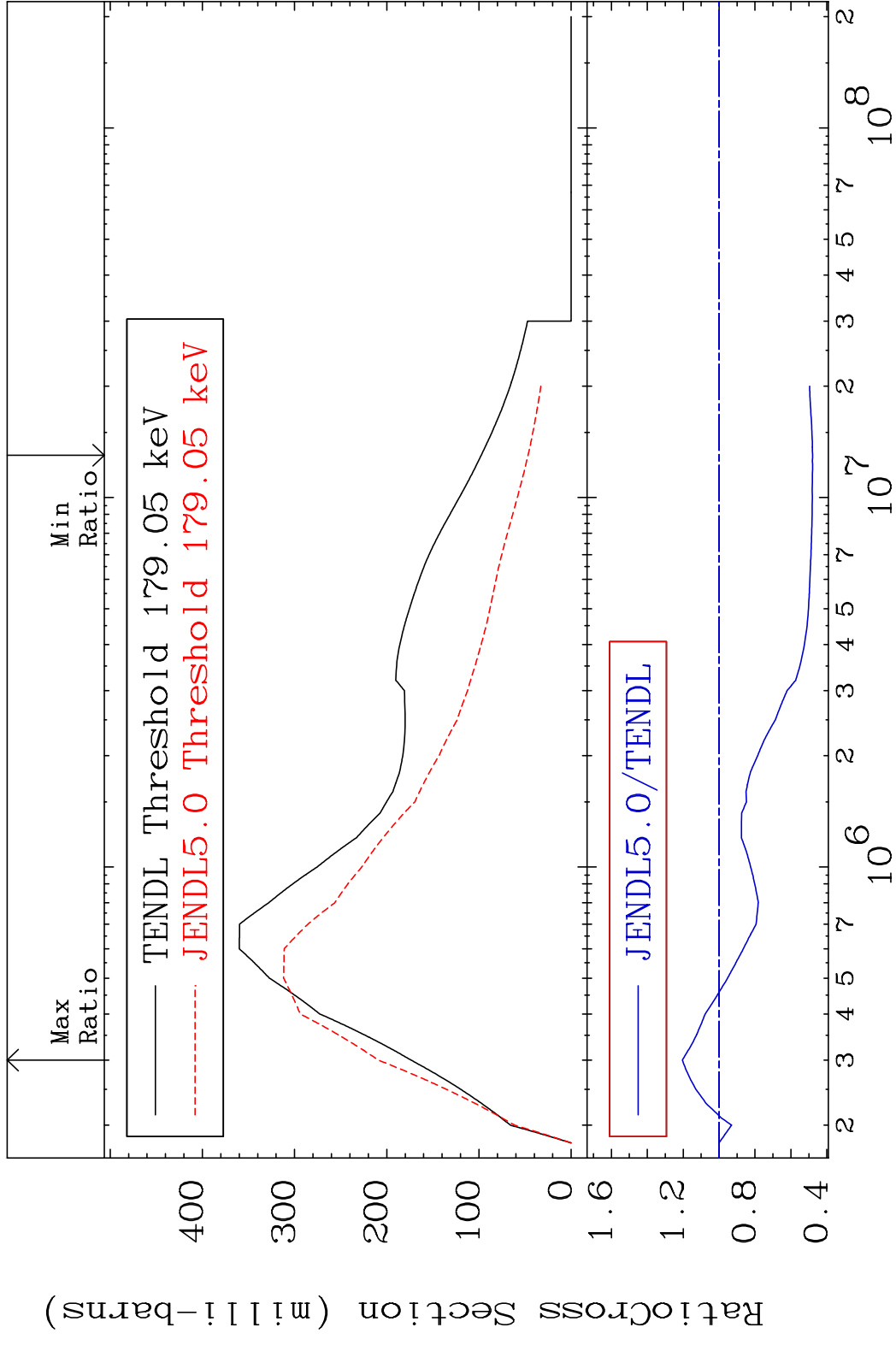
MAT 6840 (n, n') d 68-Er-167  
 Cross Section -100.0 To 9999. %



MAT 6840 MT= 51 (n,n') Level 68-Er-167  
 Cross Section -40.12 To 3265. %

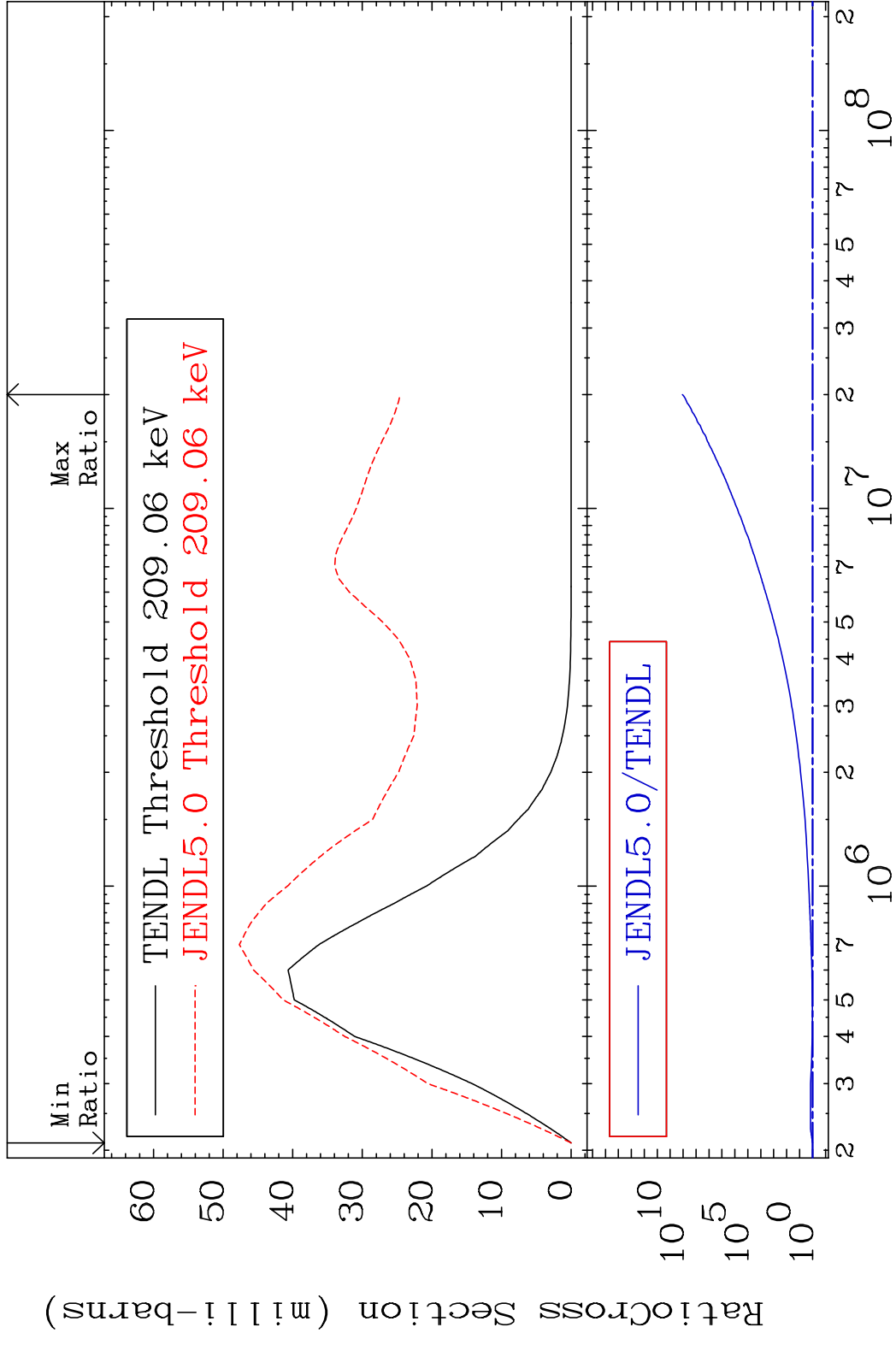


MAT 6840 MT= 52 (n, n') Level 68-Er-167  
 Cross Section -52.04 To 20.47 %

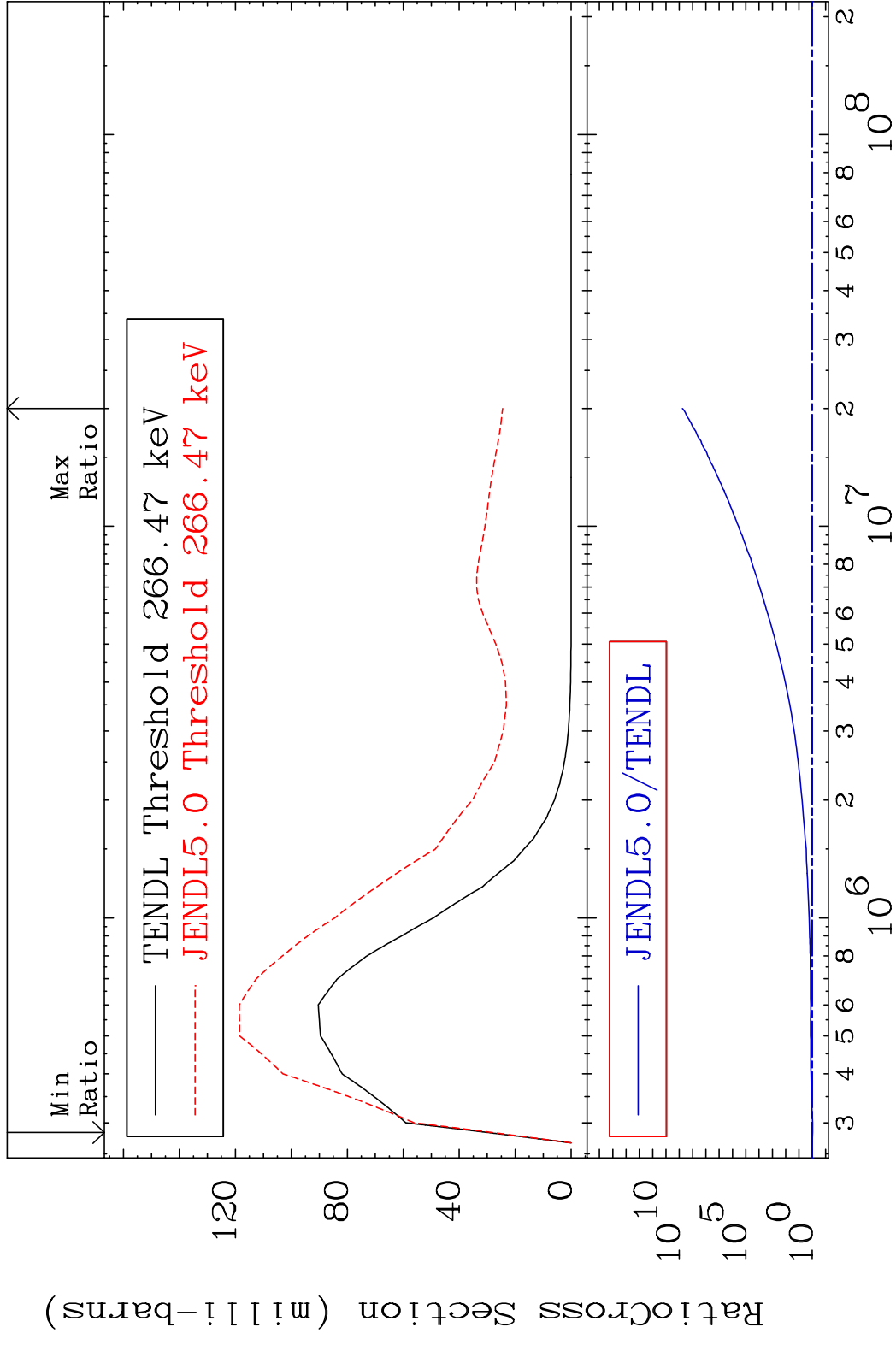


10 Incident Energy (eV) 68-Er-167

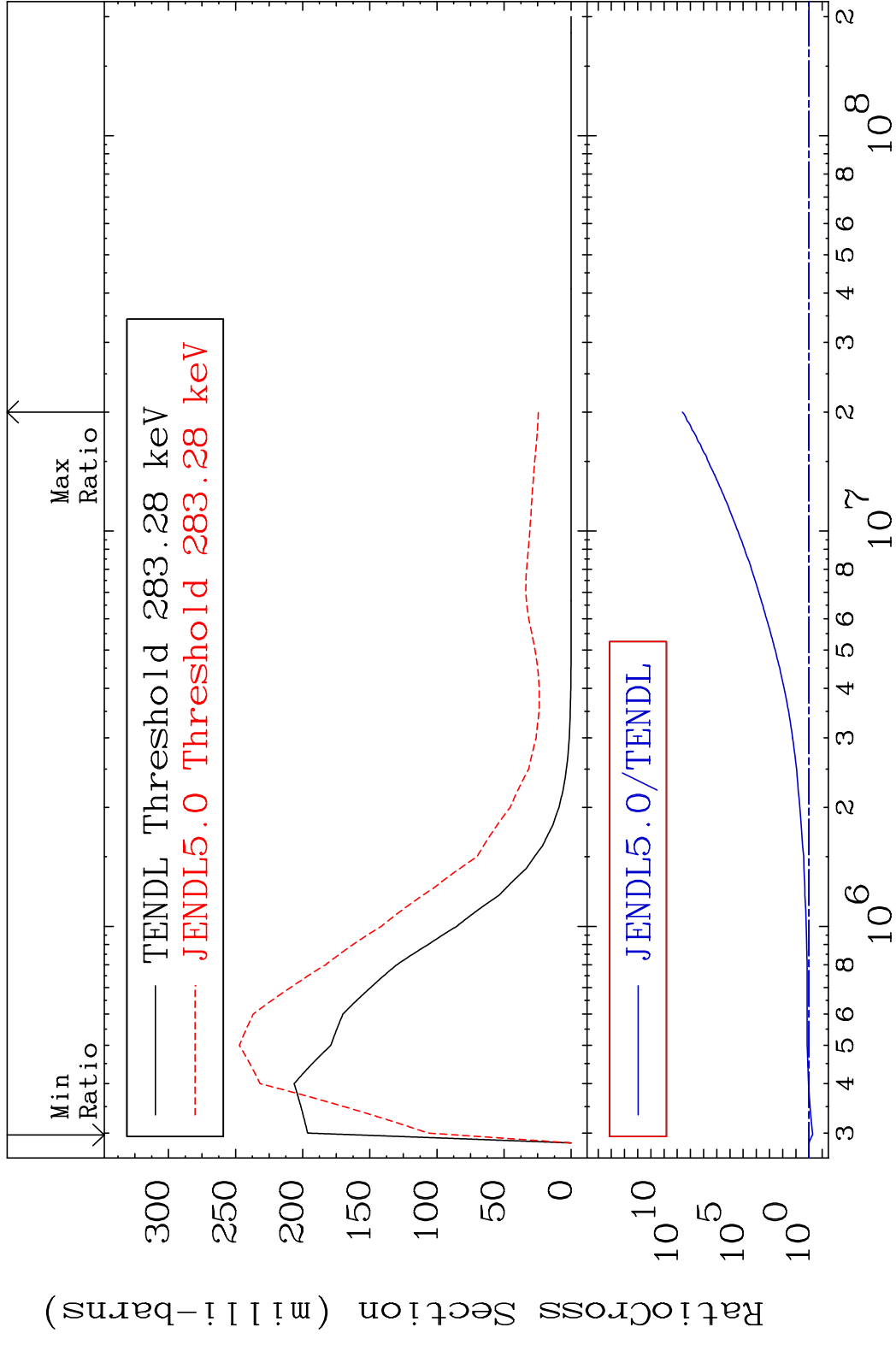
MAT 6840 MT= 53 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 9999. %



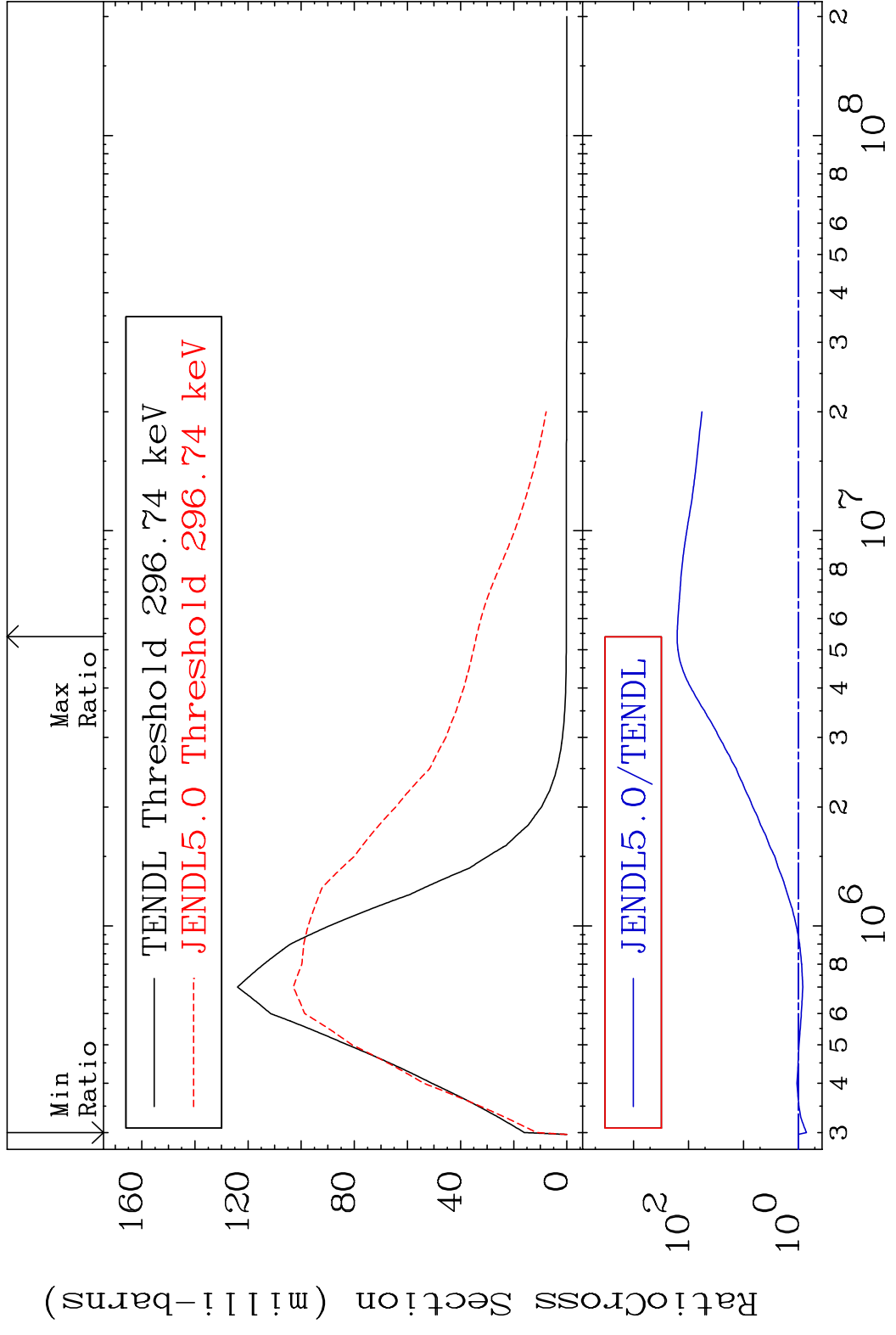
MAT 6840 MT= 54 (n, n') Level 68-Er-167  
 Cross Section -5.029 To 9999. %



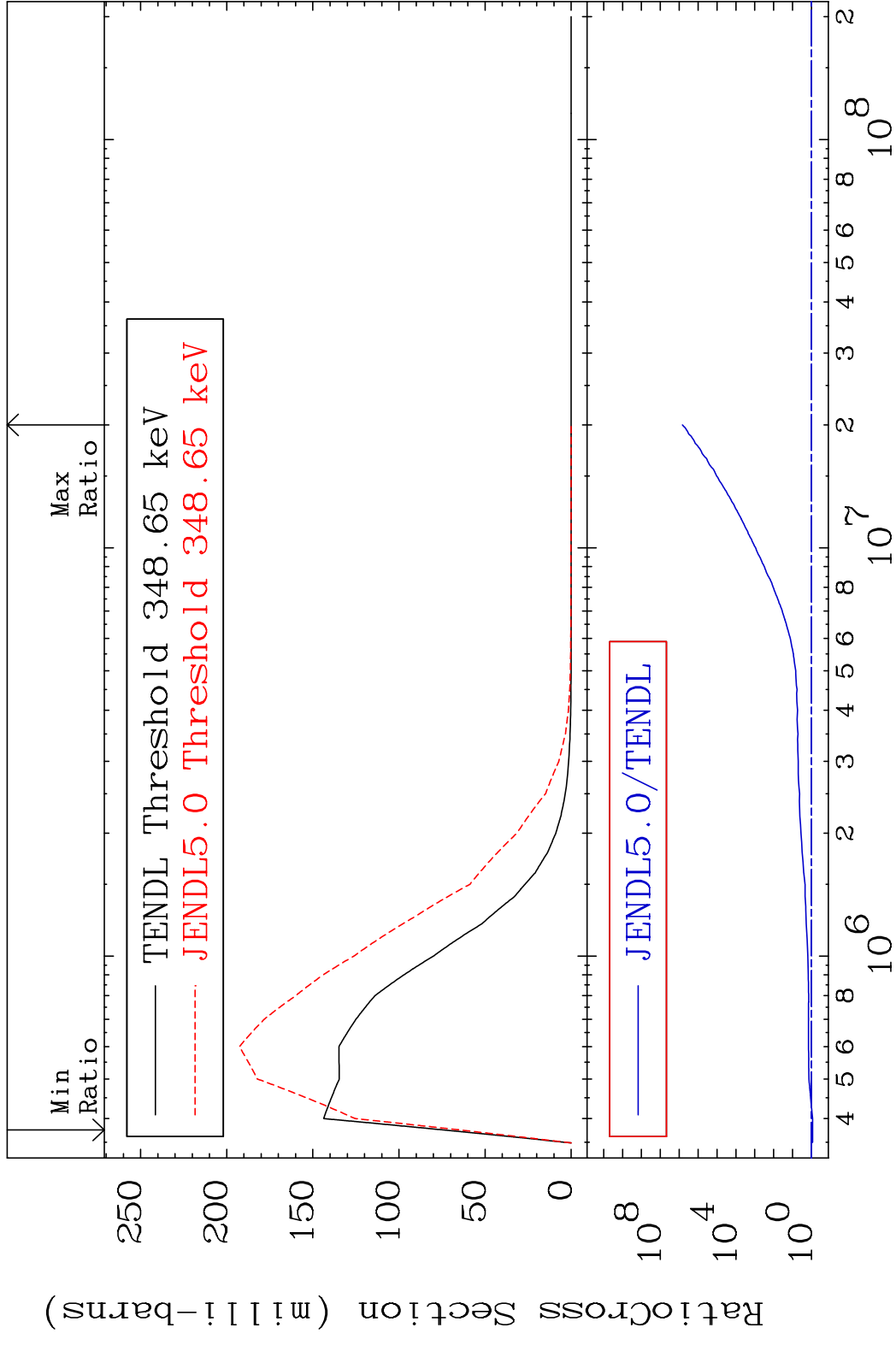
MAT 6840 MT= 55 (n, n') Level 68-Er-167  
 Cross Section -45.70 To 9999. %



MAT 6840 MT= 56 (n,n') Level 68-Er-167  
 Cross Section -28.54 To 9999. %

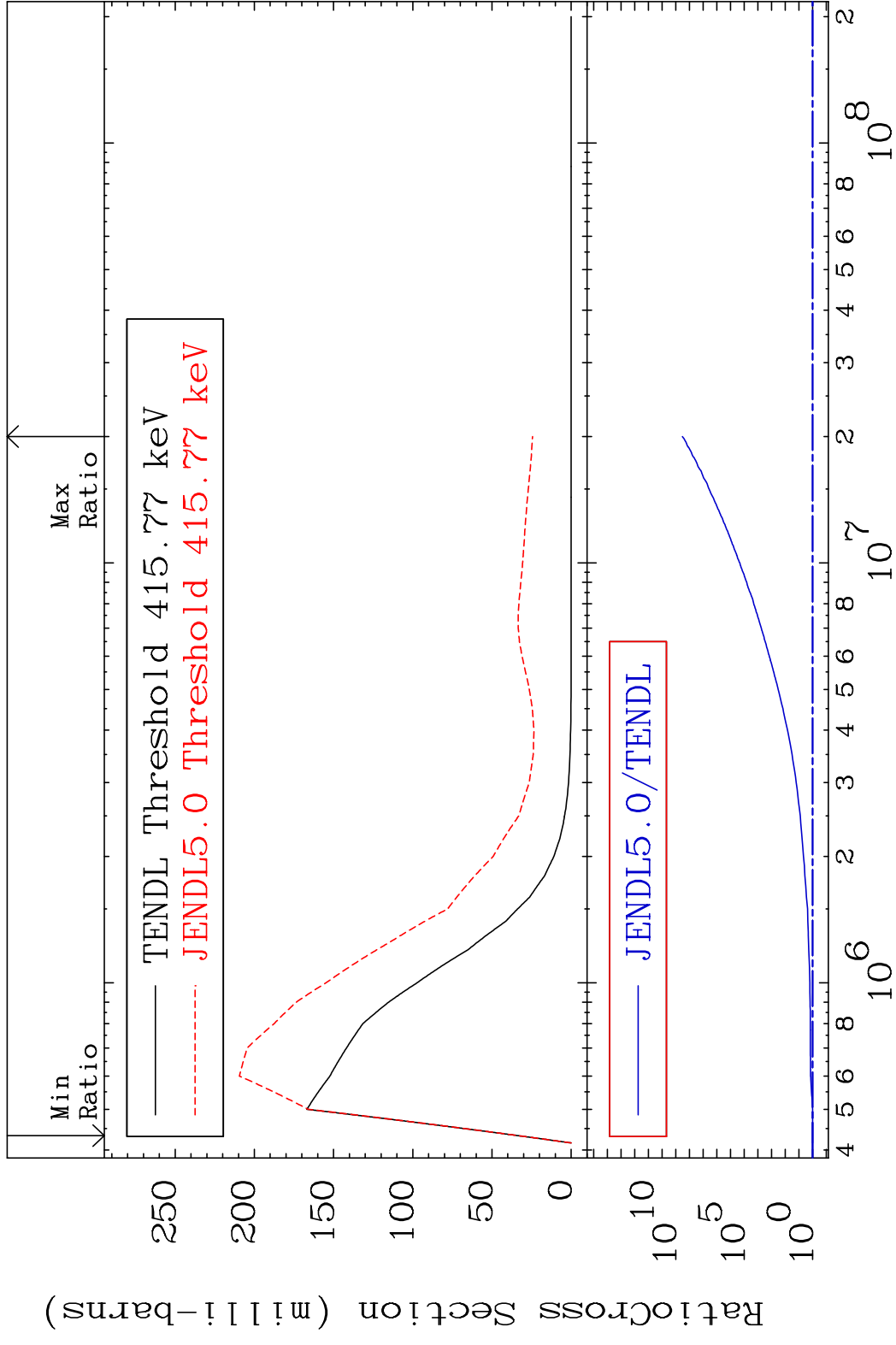


MAT 6840 MT= 57 (n, n') Level 68-Er-167  
 Cross Section -12.70 To 9999. %

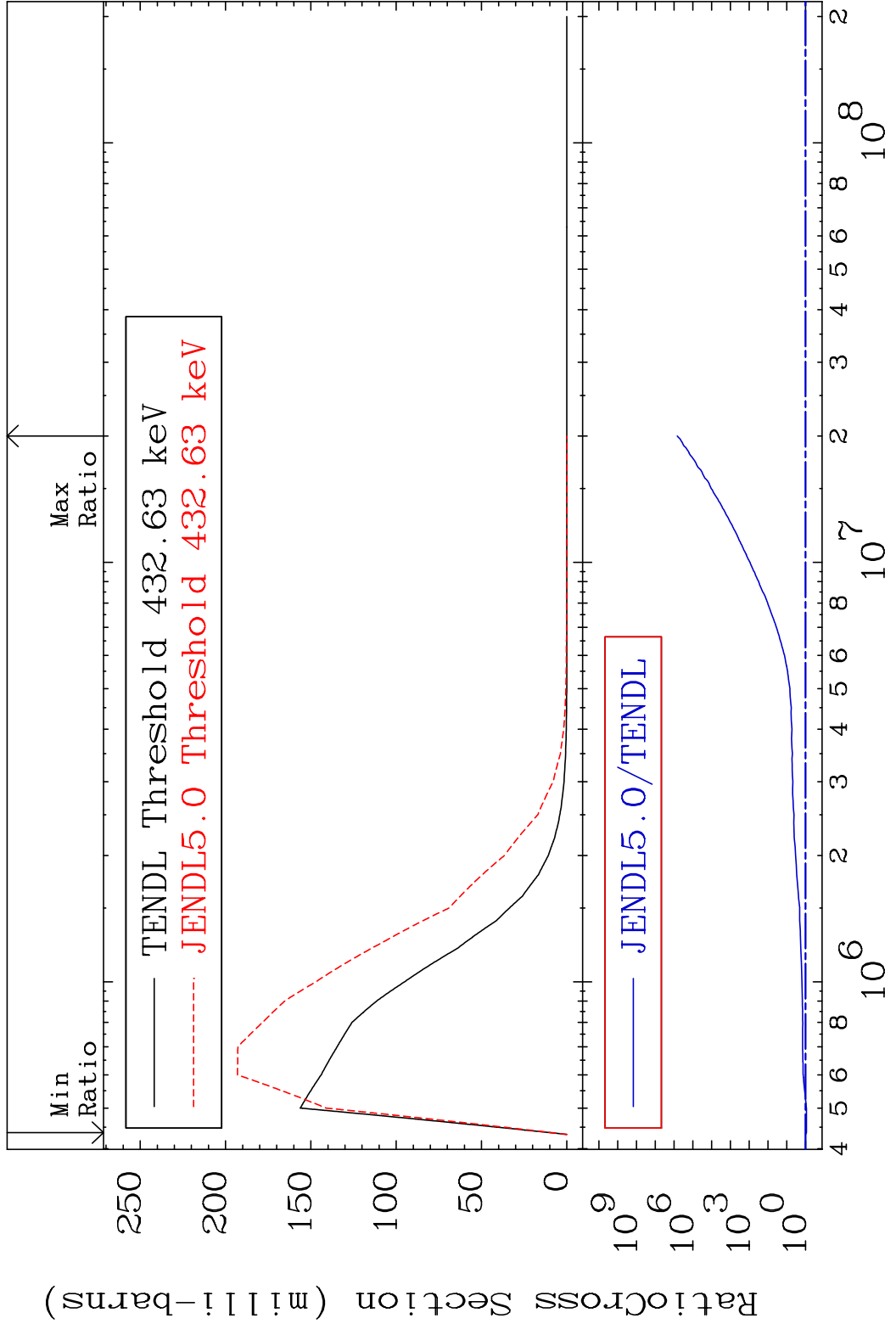




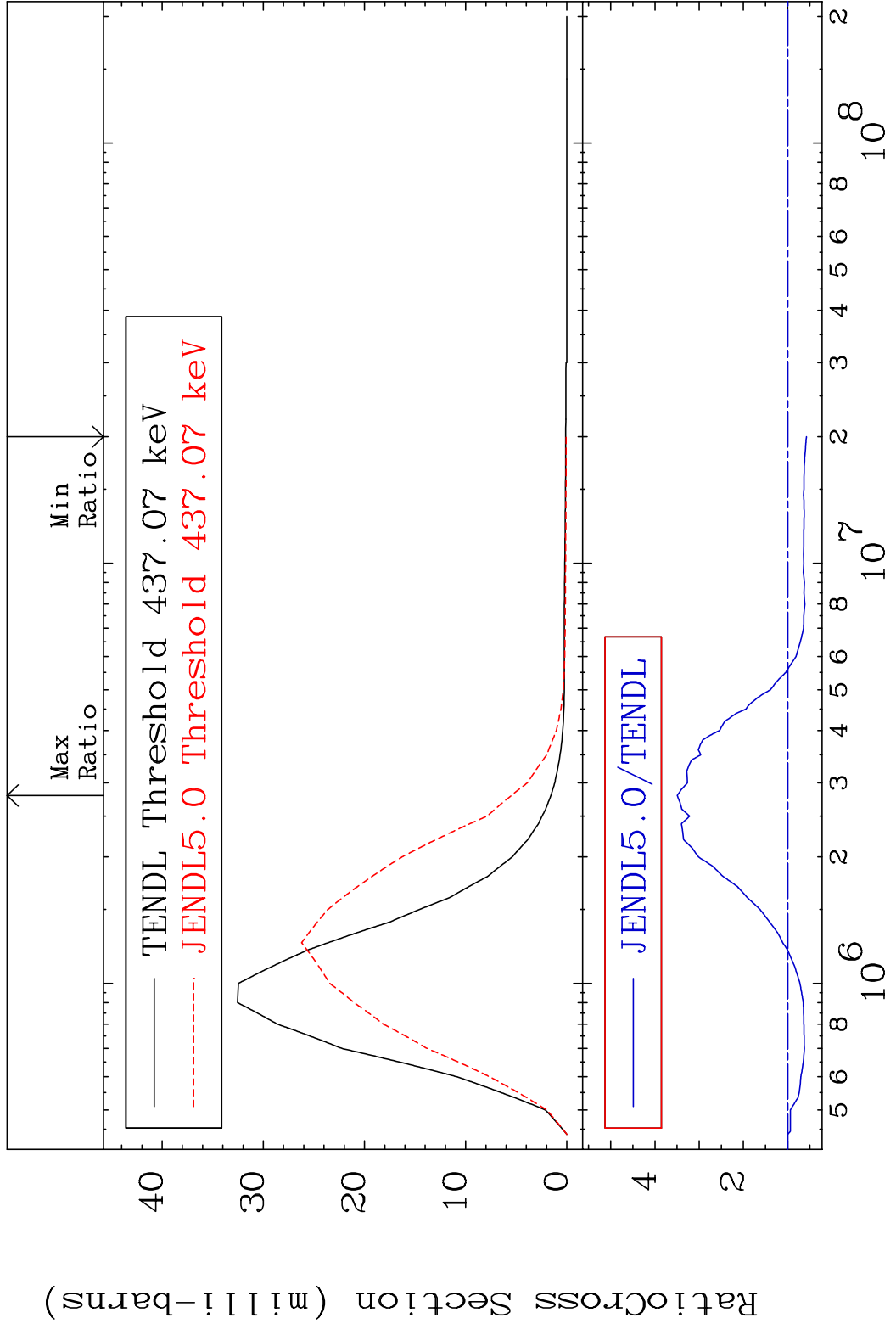
MAT 6840 MT= 58 (n, n') Level 68-Er-167  
 Cross Section -0.458 To 9999. %



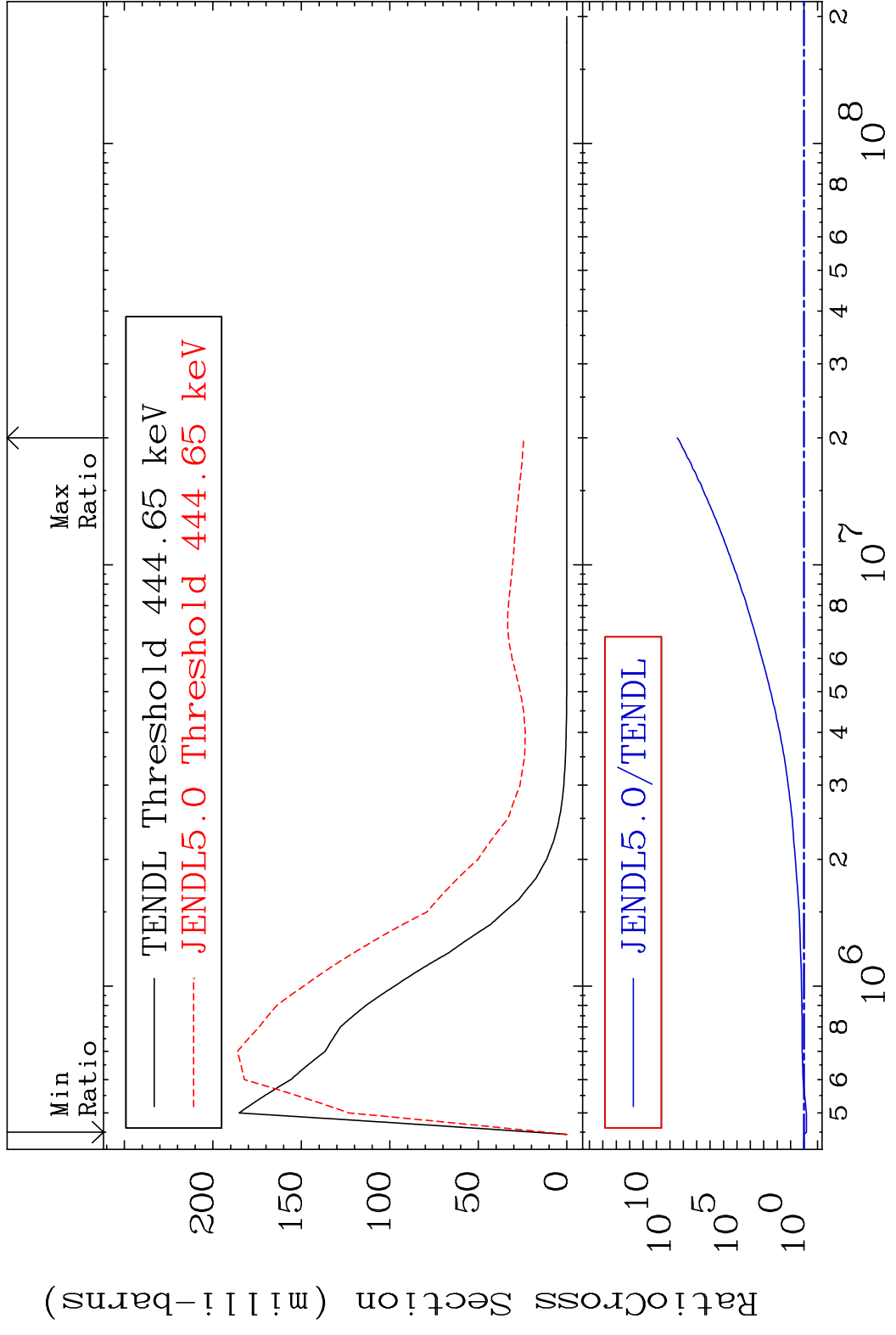
MAT 6840 MT= 59 (n, n') Level 68-Er-167  
 Cross Section -9.743 To 9999. %



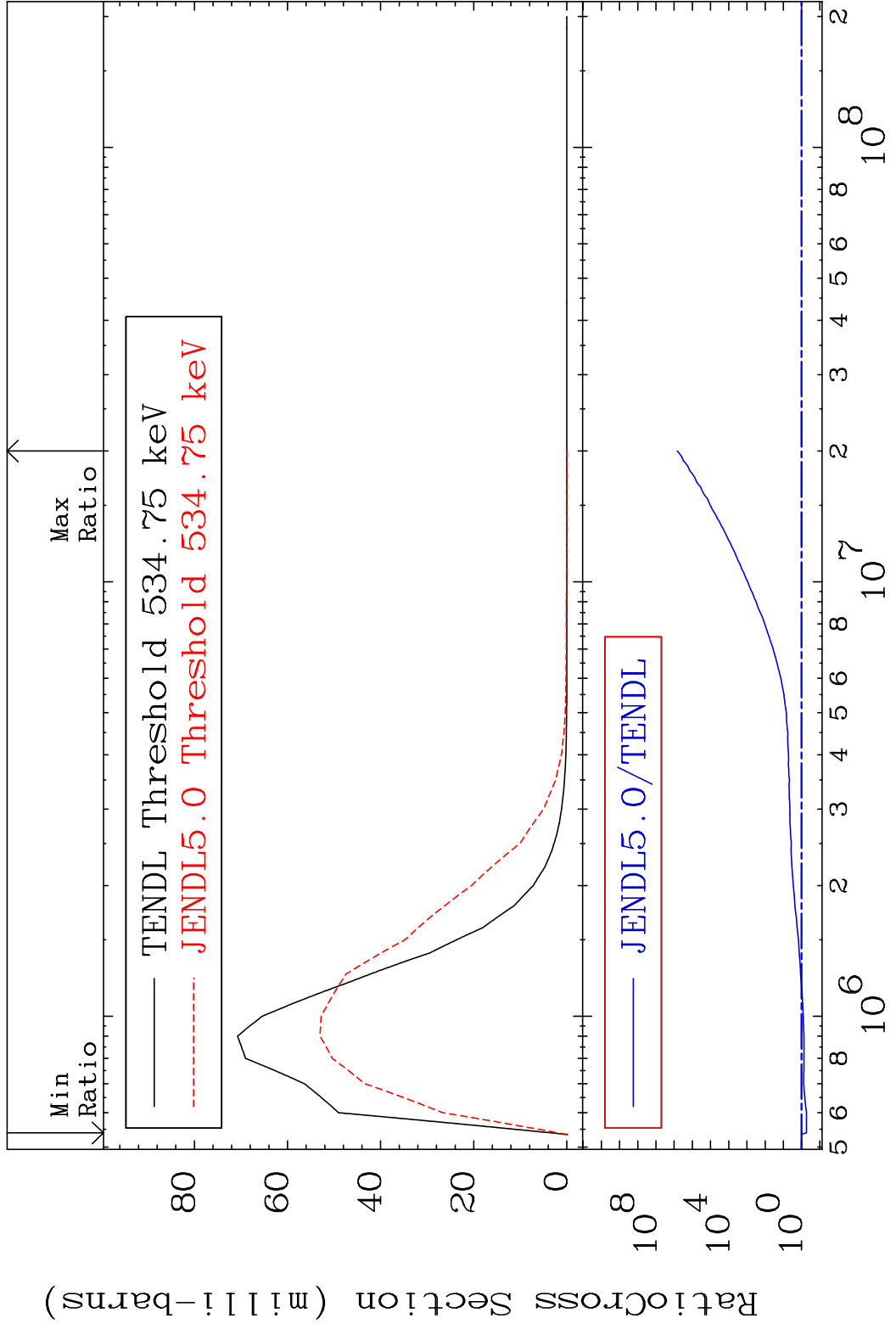
MAT 6840 MT= 60 (n, n') Level 68-Er-167  
 Cross Section -42.40 To 249.7 %



MAT 6840 MT= 61 (n, n') Level 68-Er-167  
 Cross Section -33.59 To 9999. %

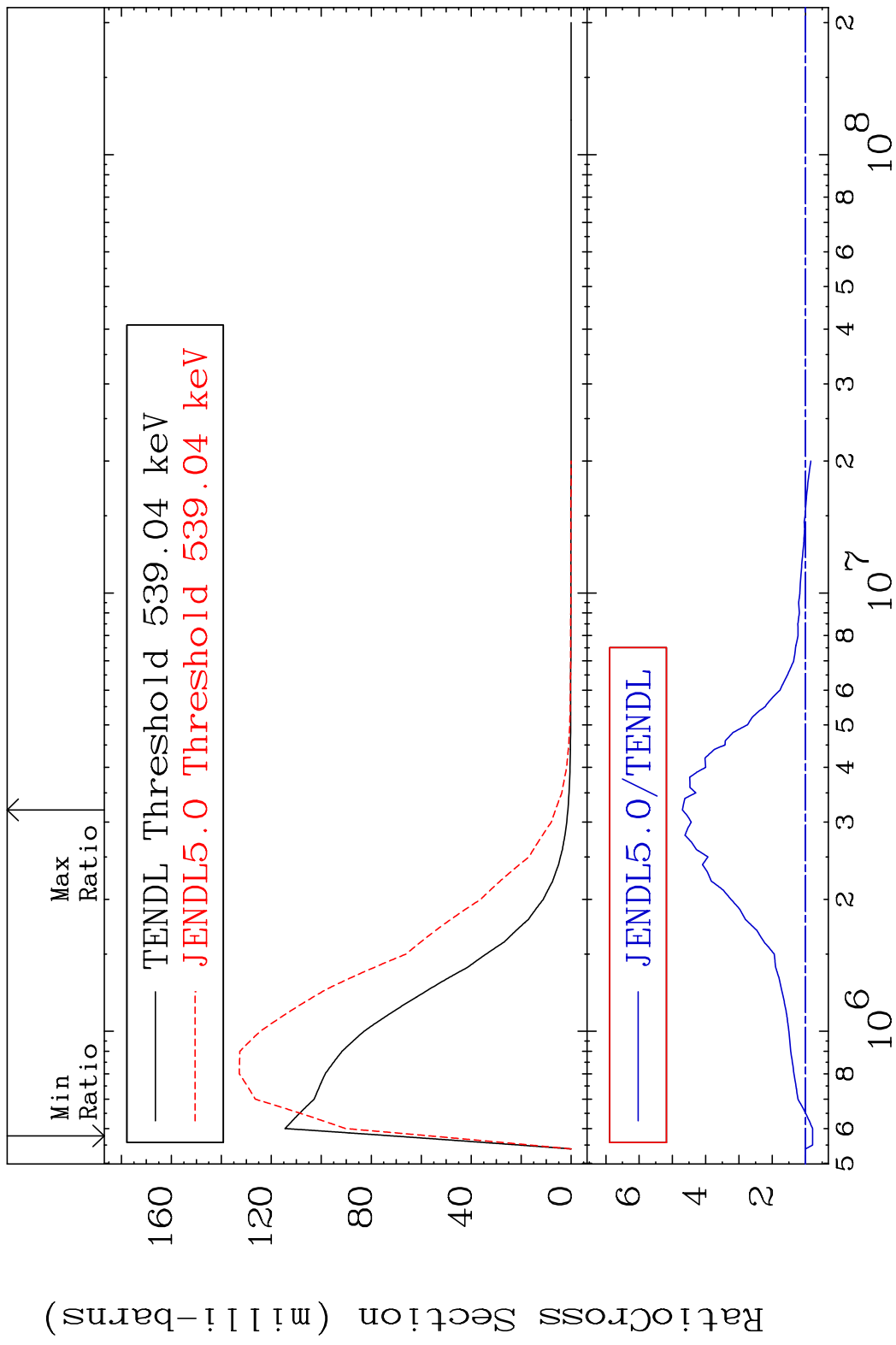


MAT 6840 MT= 62 (n, n') Level 68-Er-167  
 Cross Section -45.65 To 9999. %

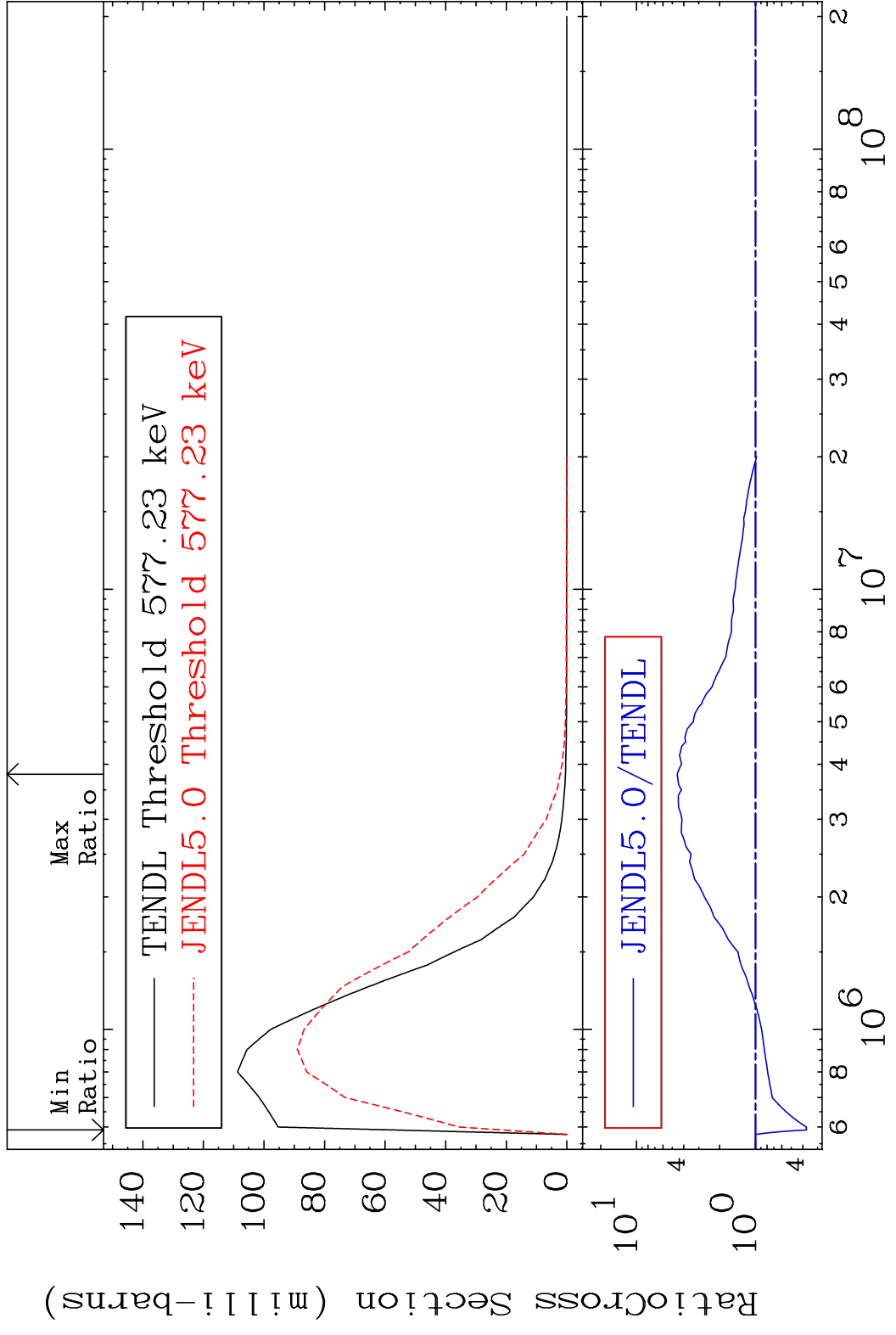


20 Incident Energy (eV) 68-Er-167

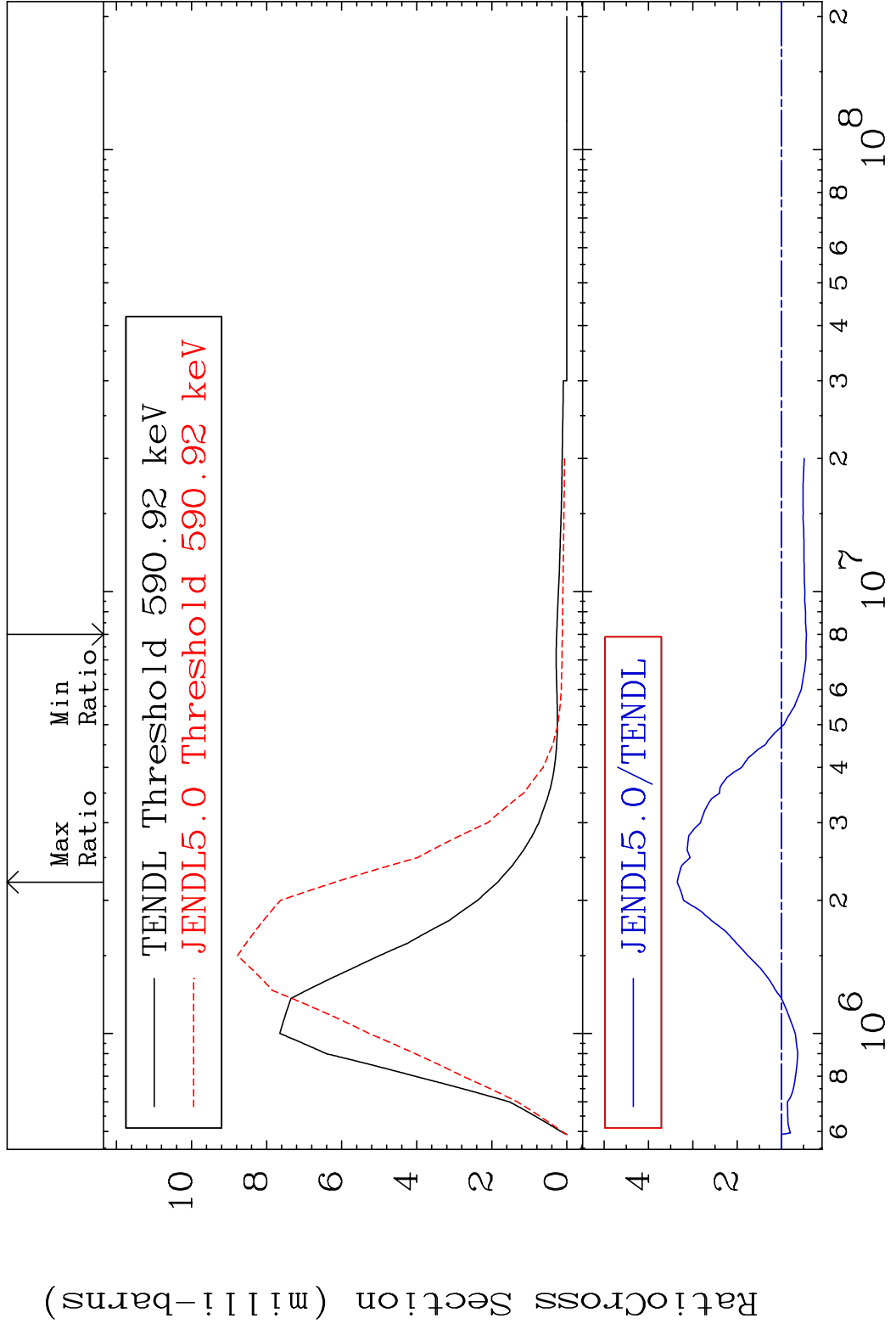
MAT 6840 MT= 63 (n, n') Level 68-Er-167  
 Cross Section -21.10 To 370.2 %



MAT 6840 MT= 64 (n, n') Level 68-Er-167  
 Cross Section -62.70 To 355.0 %

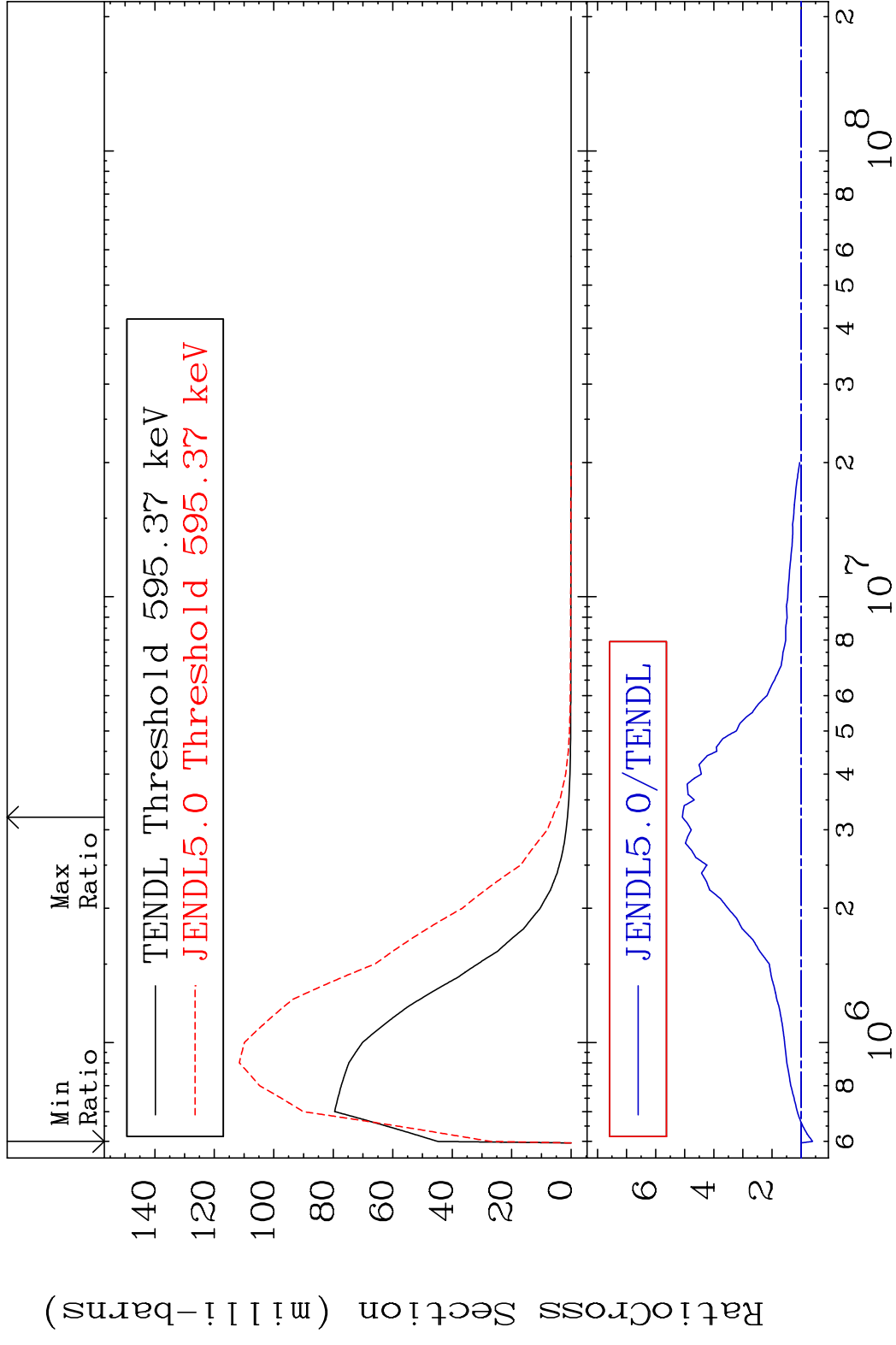


MAT 6840 MT= 65 (n, n') Level 68-Er-167  
 Cross Section -56.29 To 235.3 %

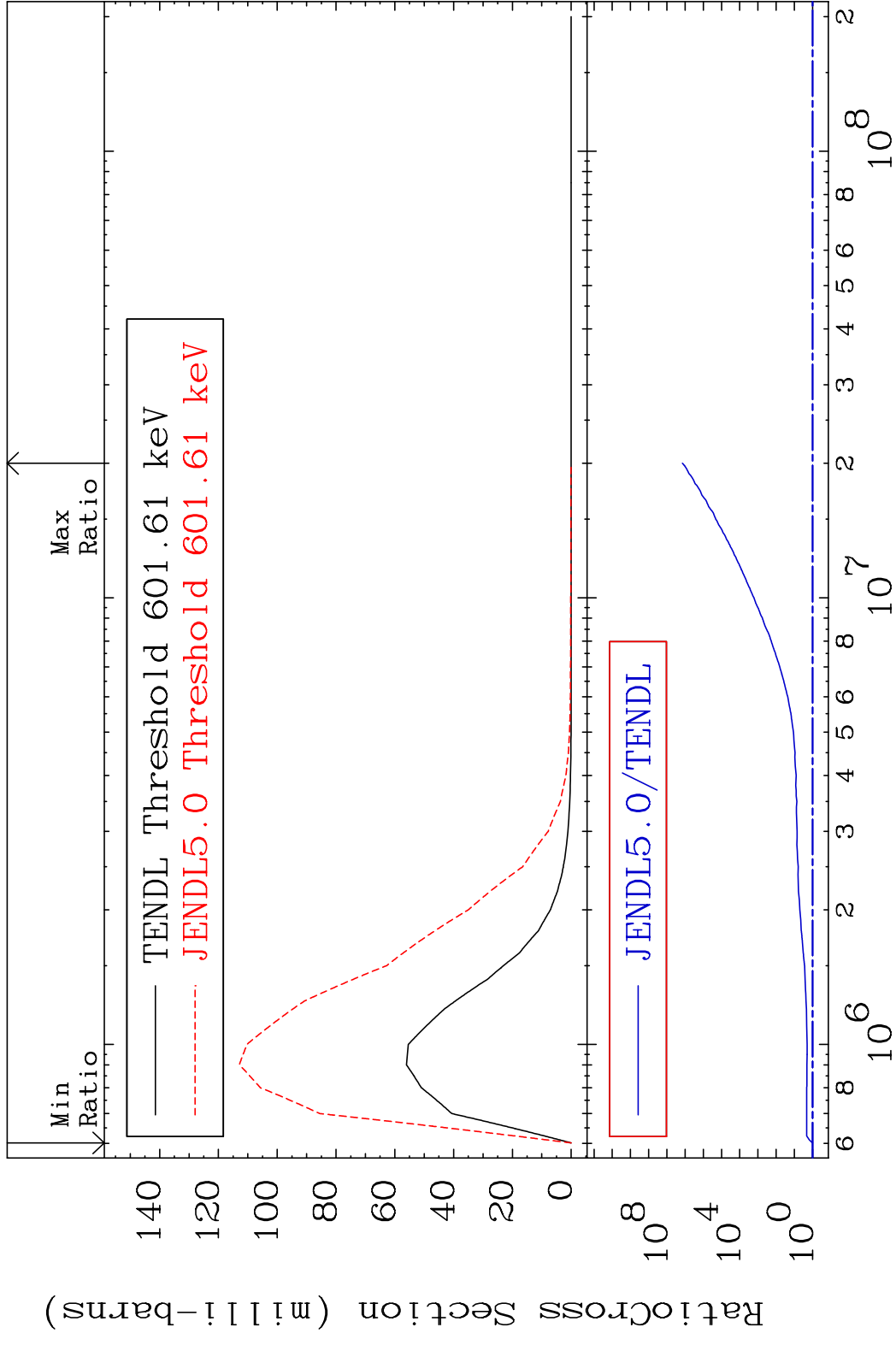




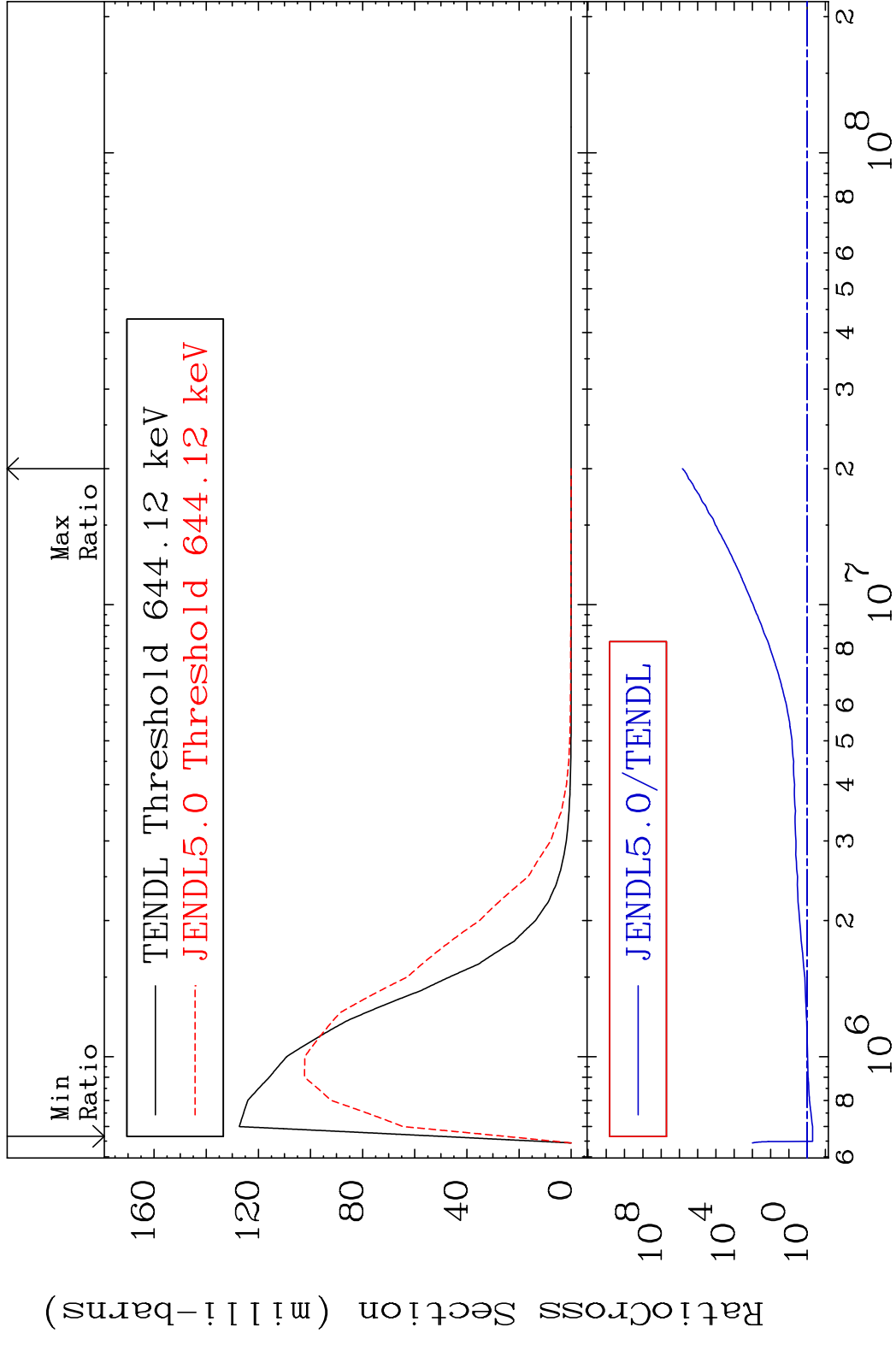
MAT 6840 MT= 66 (n, n') Level 68-Er-167  
 Cross Section -39.34 To 408.2 %



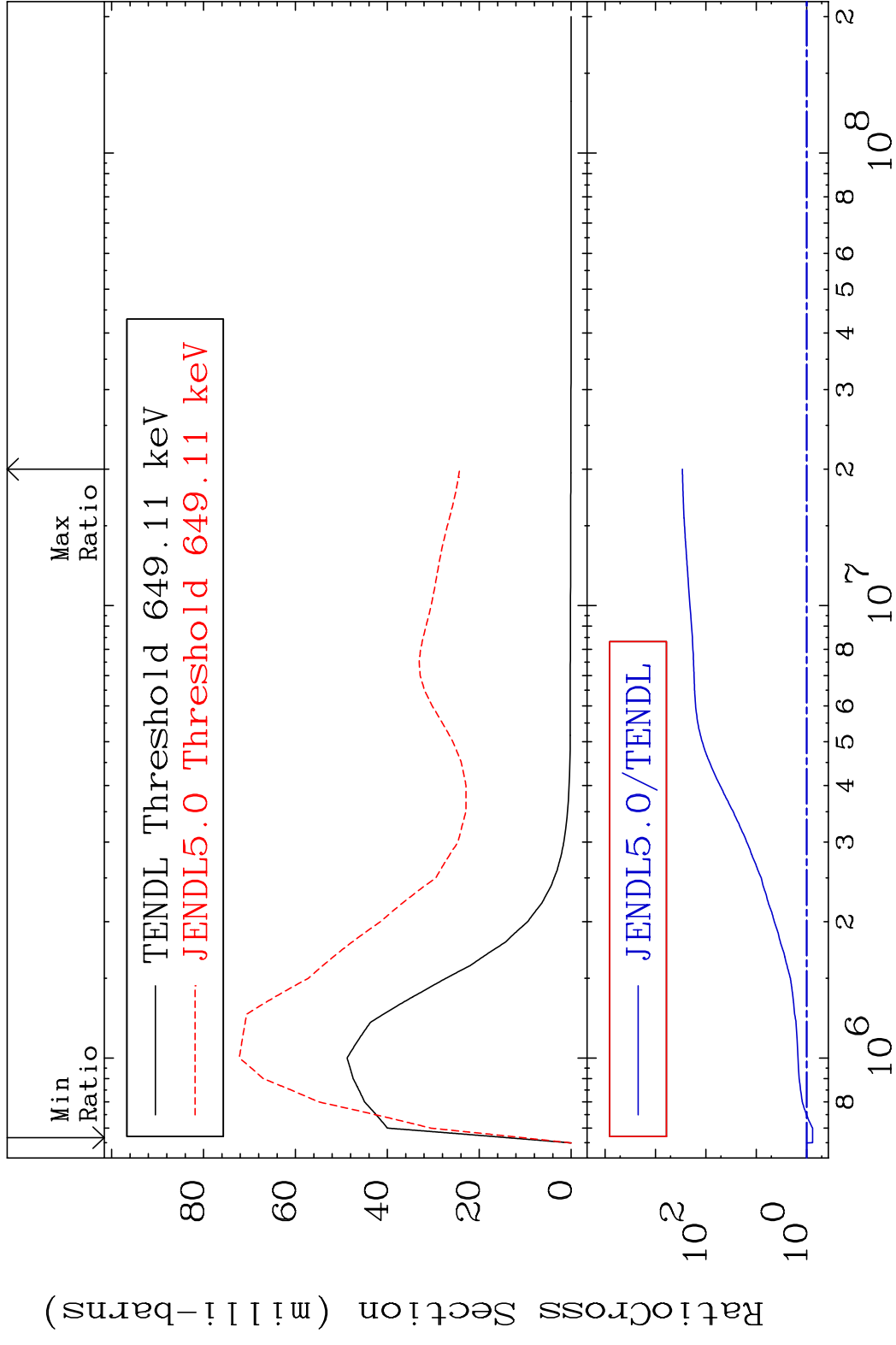
MAT 6840 MT= 67 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 9999. %



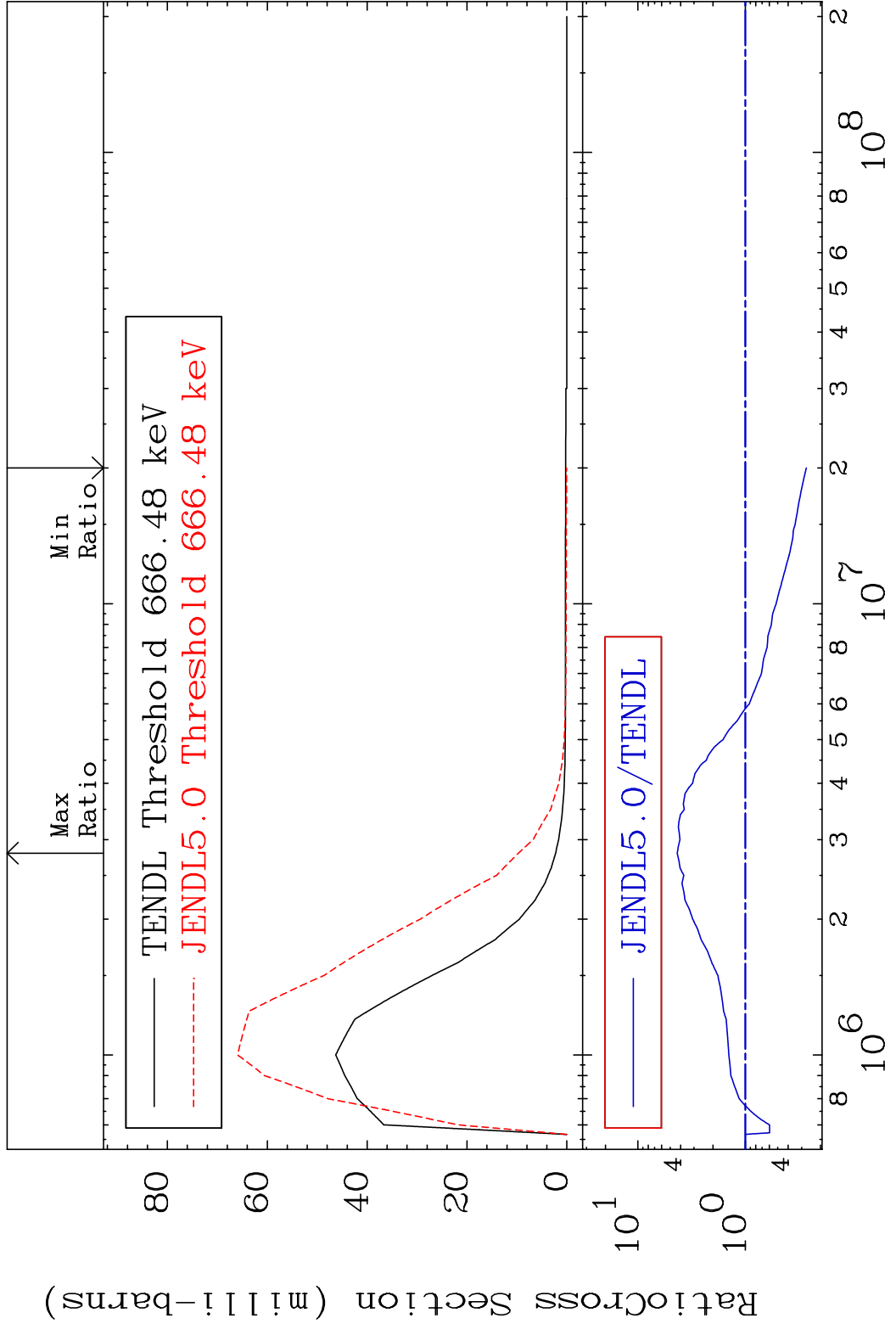
MAT 6840 MT= 68 (n, n') Level 68-Er-167  
 Cross Section -49.37 To 9999. %



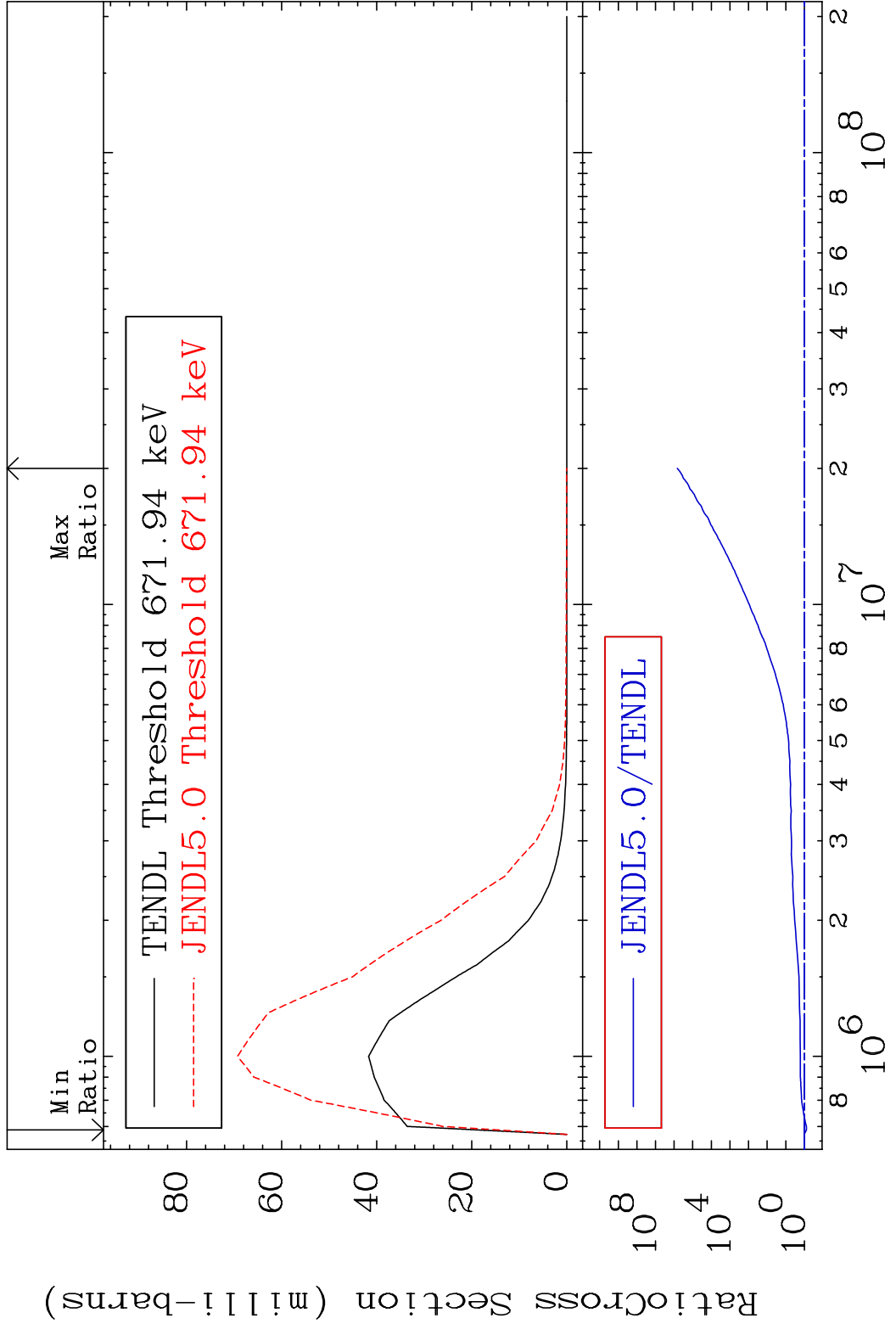
MAT 6840 MT= 69 (n, n') Level 68-Er-167  
 Cross Section -23.59 To 9999. %



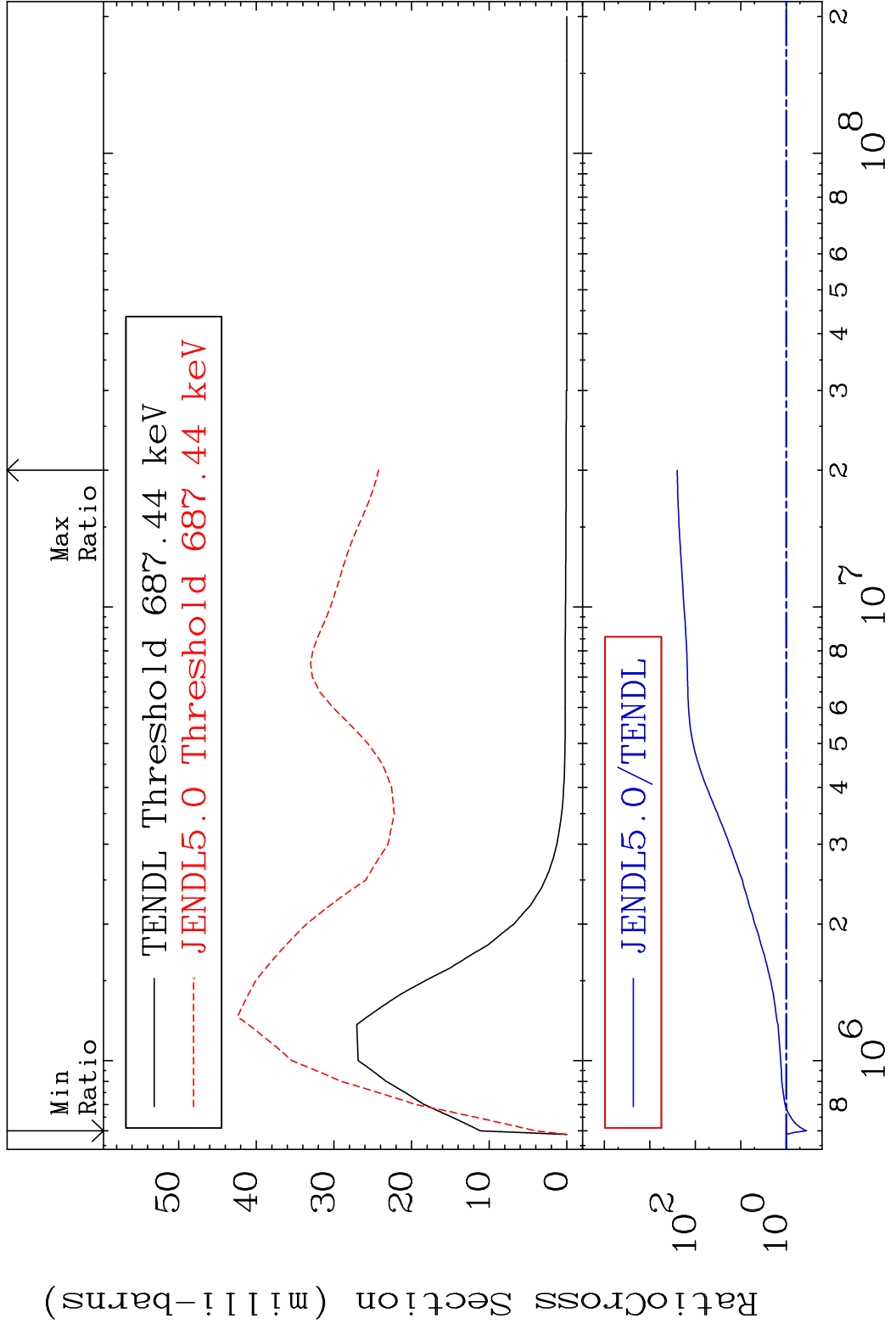
MAT 6840 MT= 70 (n, n') Level 68-Er-167  
 Cross Section -72.91 To 330.6 %



MAT 6840 MT= 71 (n, n') Level 68-Er-167  
 Cross Section -22.17 To 9999. %

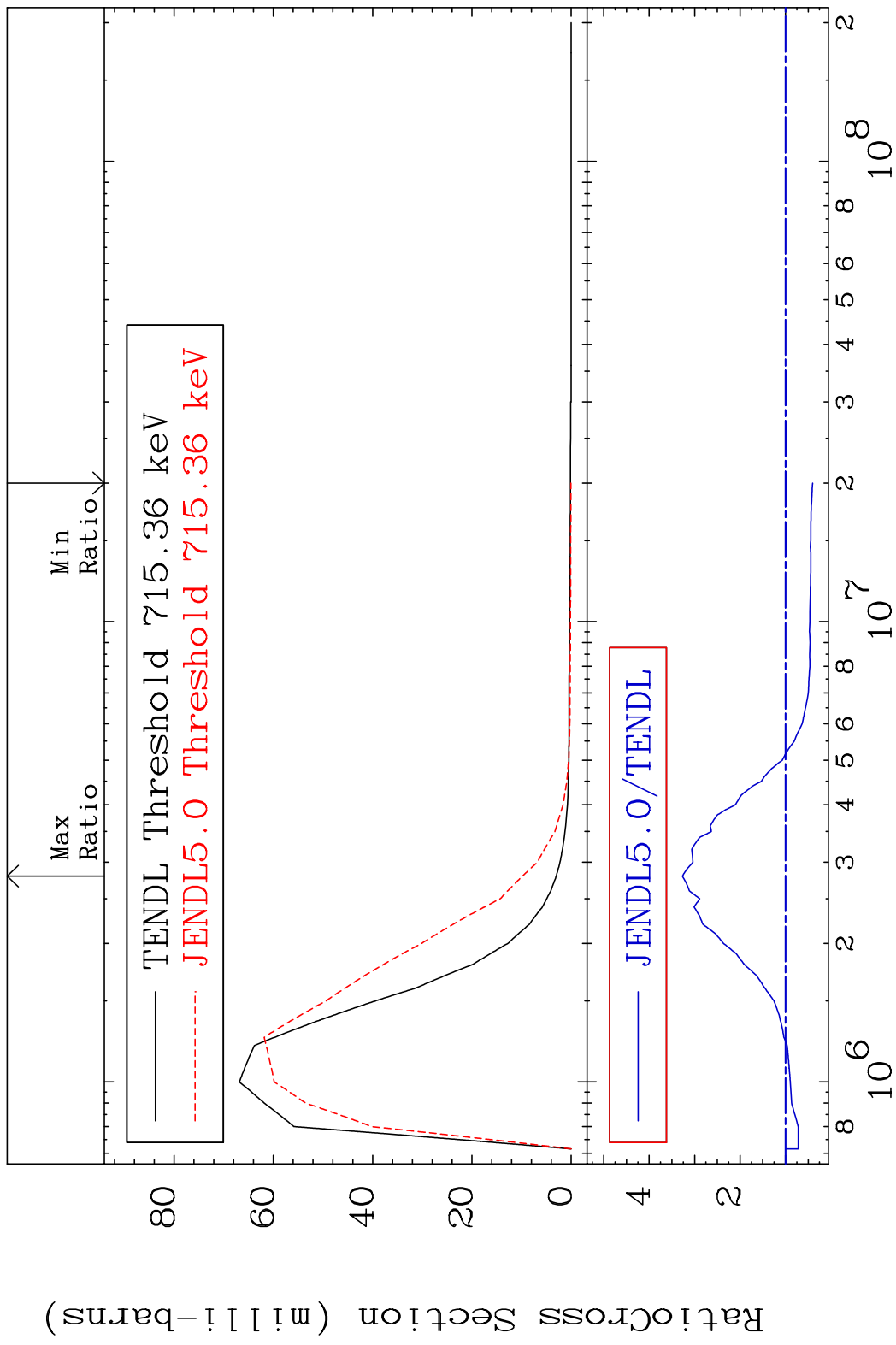


MAT 6840 MT= 72 (n, n') Level 68-Er-167  
 Cross Section -64.08 To 9999. %



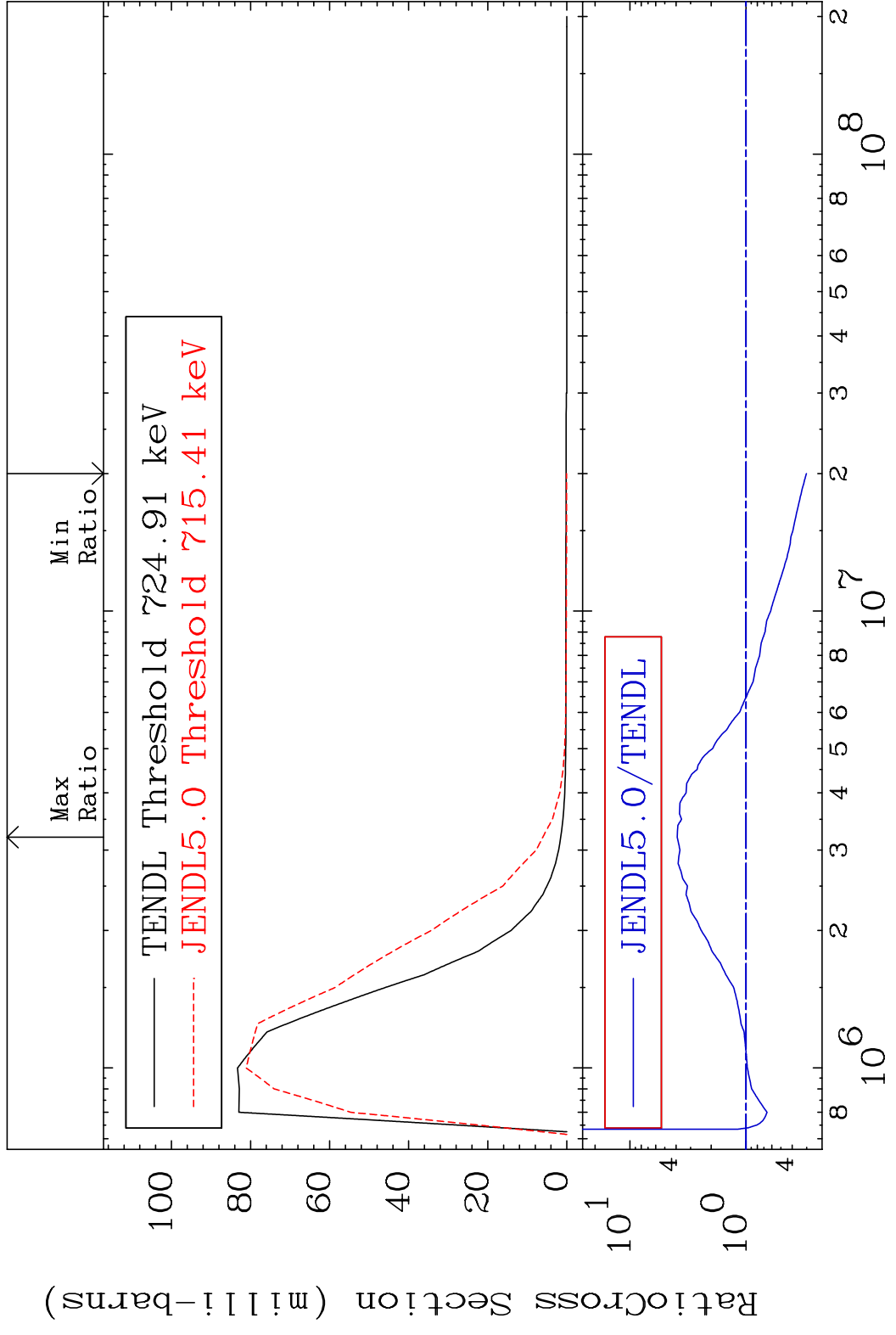
30 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 73 (n, n') Level 68-Er-167  
 Cross Section -59.61 To 227.0 %

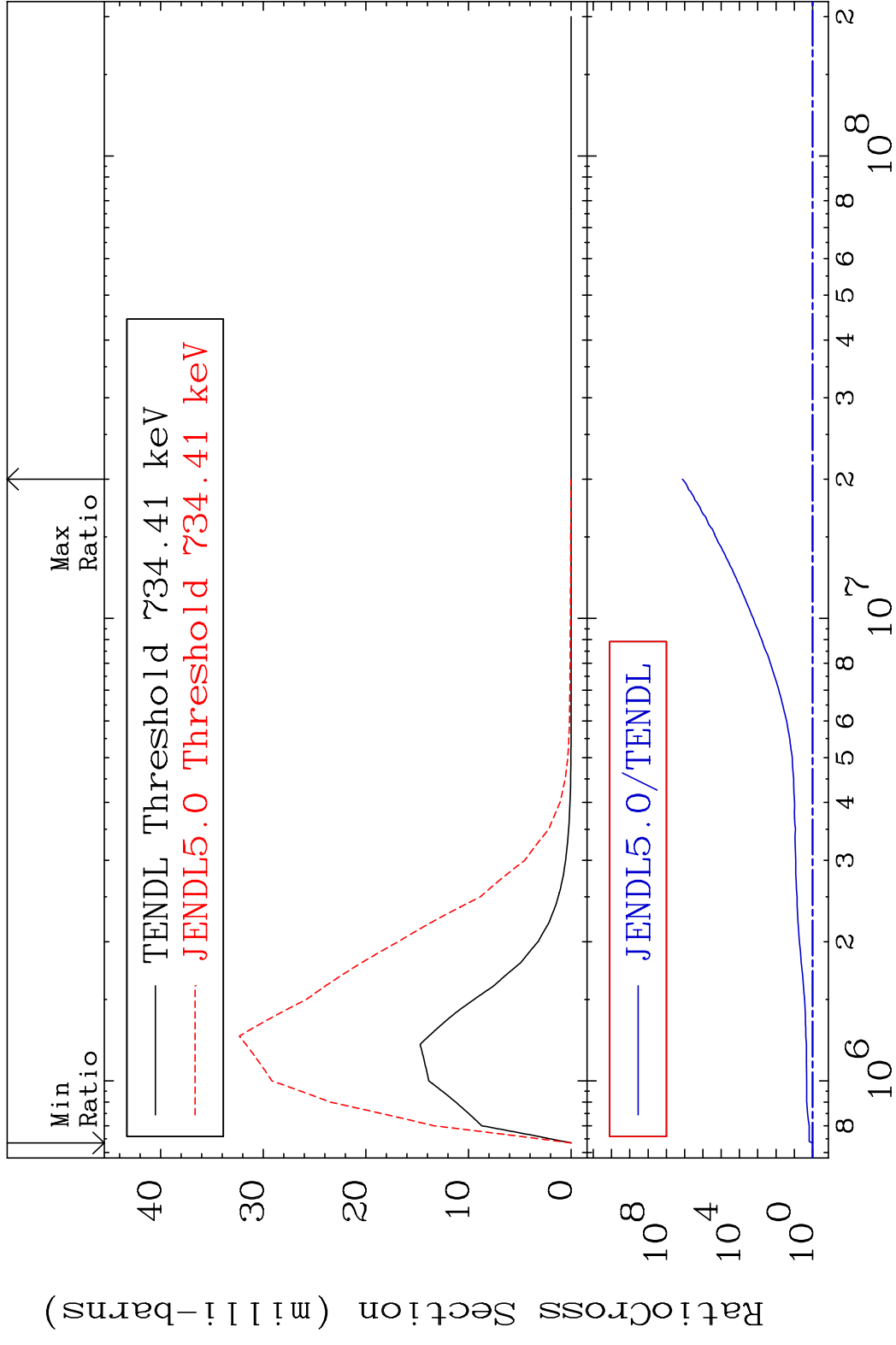




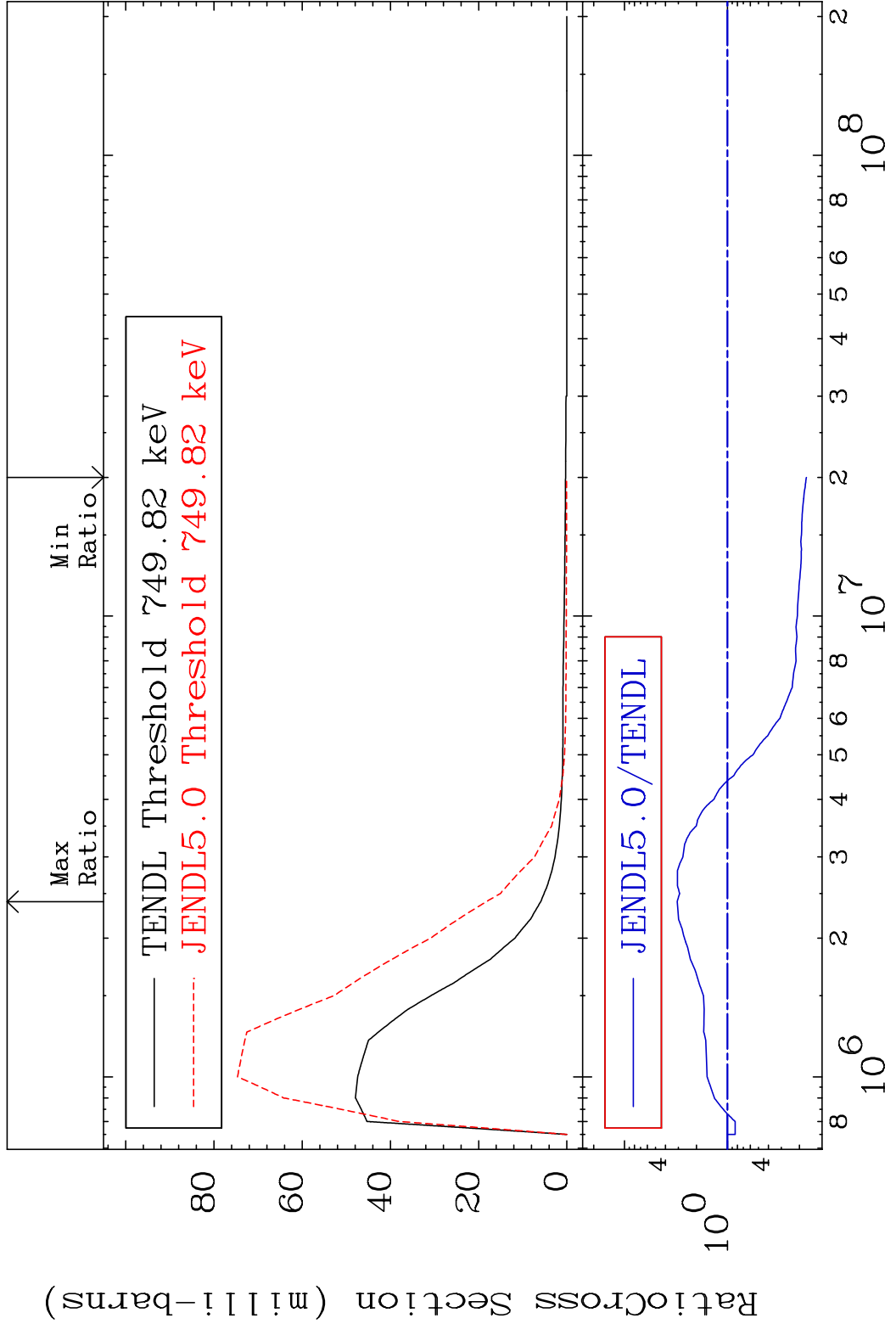
MAT 6840 MT= 74 (n, n') Level 68-Er-167  
Cross Section -69.83 To 291.7 %



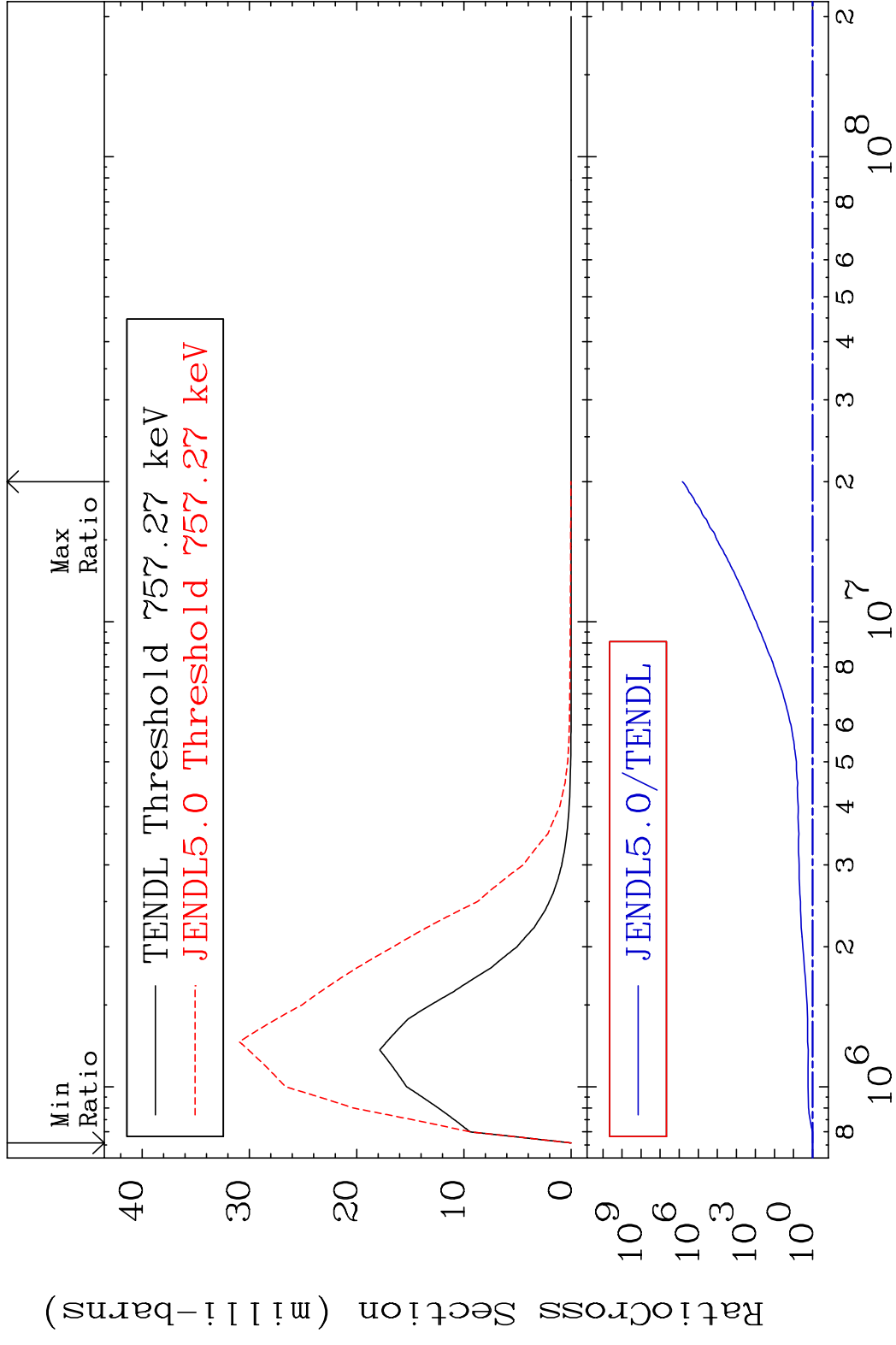
MAT 6840 MT= 75 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 9999. %



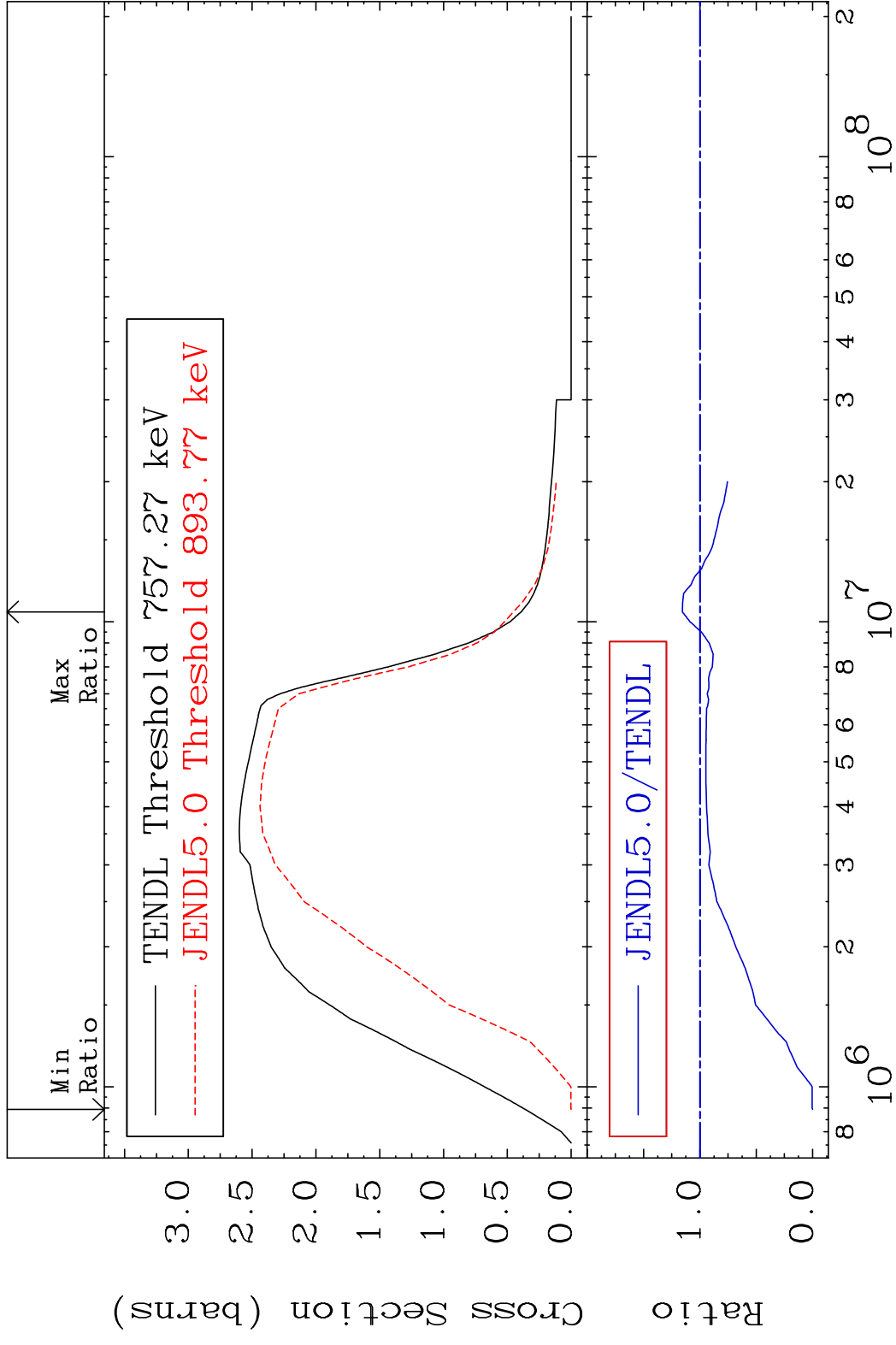
MAT 6840 MT= 76 (n, n') Level 68-Er-167  
 Cross Section -82.92 To 208.0 %



MAT 6840 MT= 77 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 9999. %



MAT 6840 (n,n') Continuum 68-Er-167  
 Cross Section -100.0 To 15.59 %

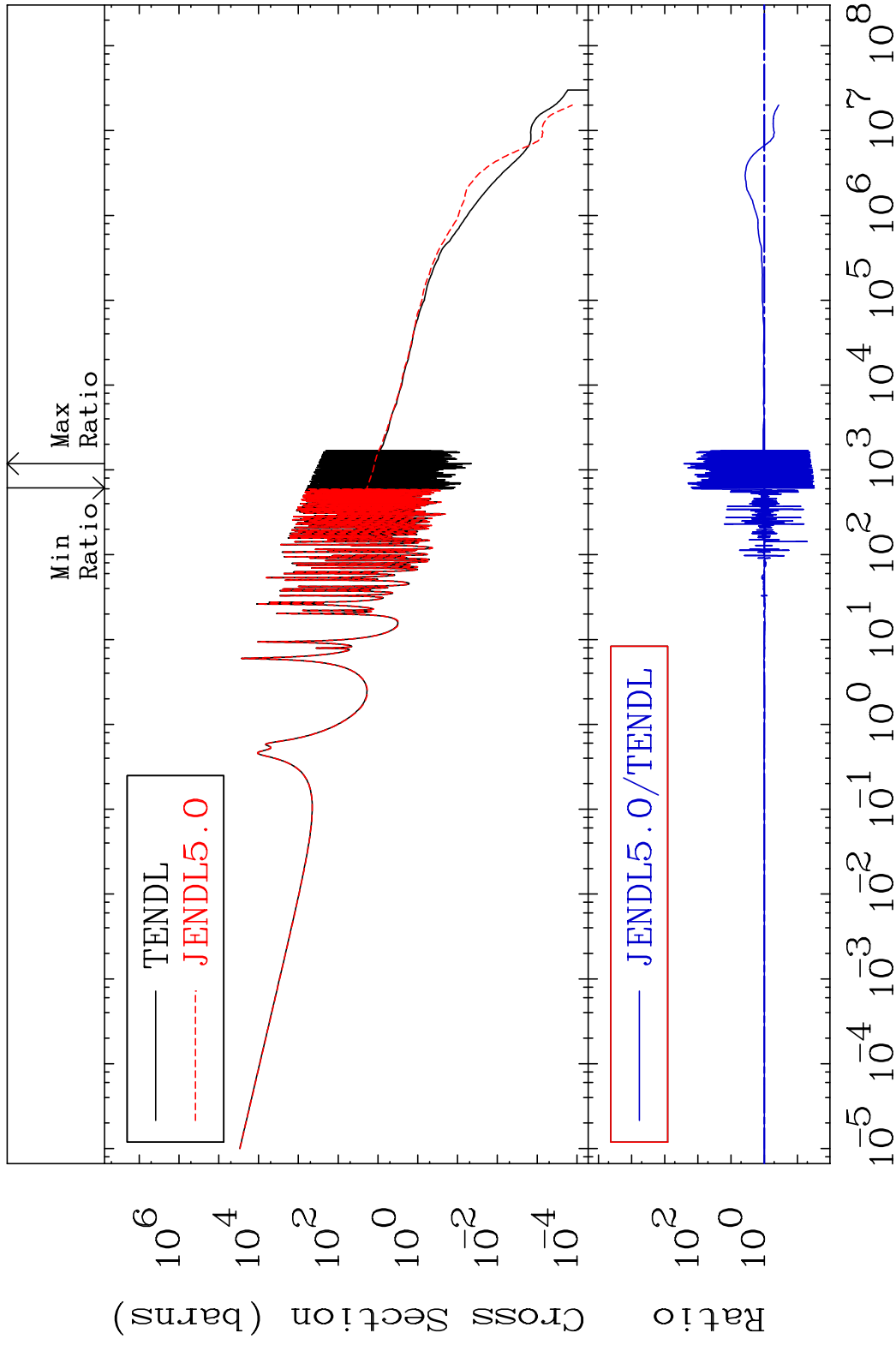


MAT 6840

(n,  $\gamma$ )

68-Er-167

Cross Section -96.86 To 9999. %



37

Incident Energy (eV)

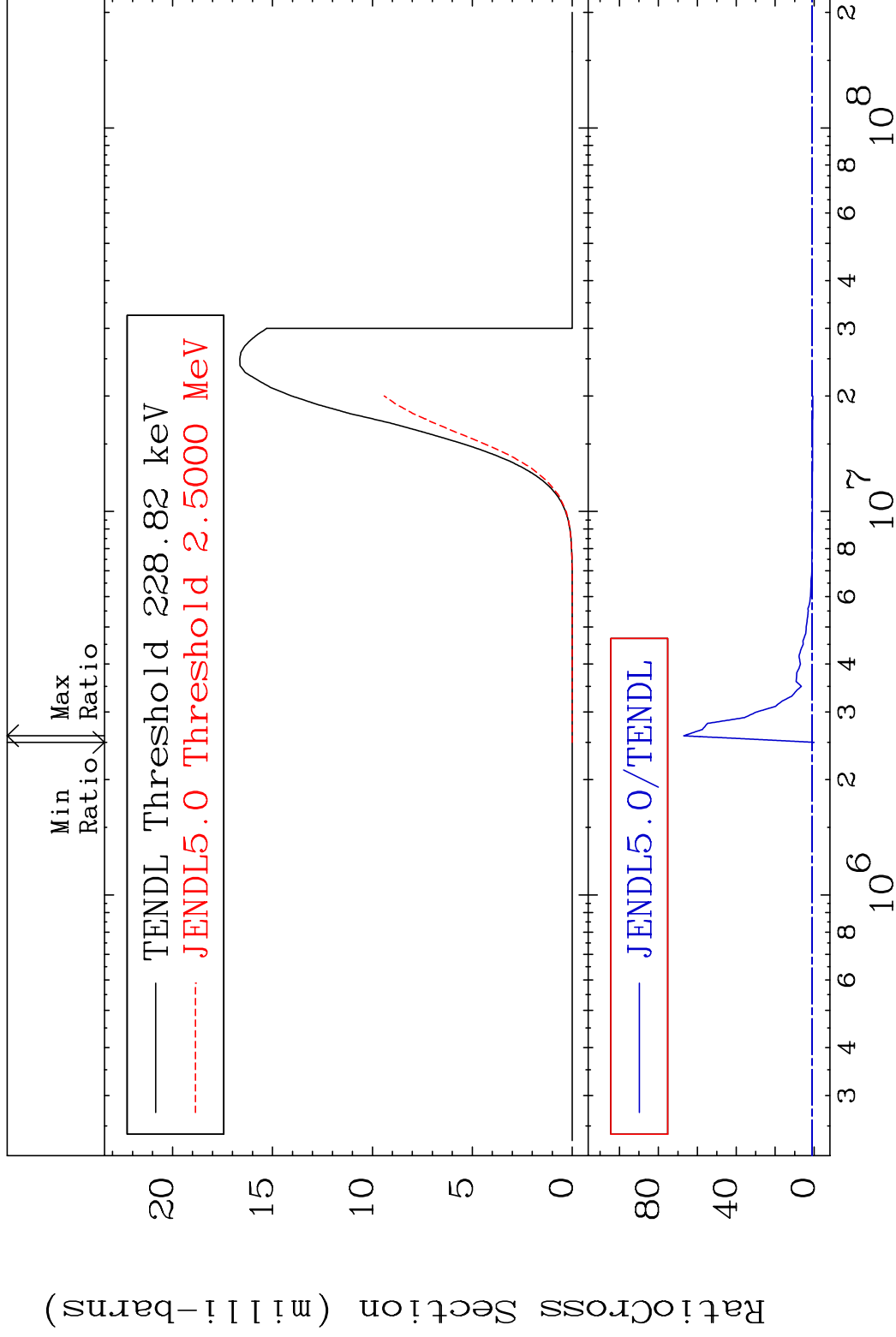
68-Er-167

MAT 6840

(n, p)

68-Er-167

Cross Section -100.0 To 6603. %



38

Incident Energy (eV)

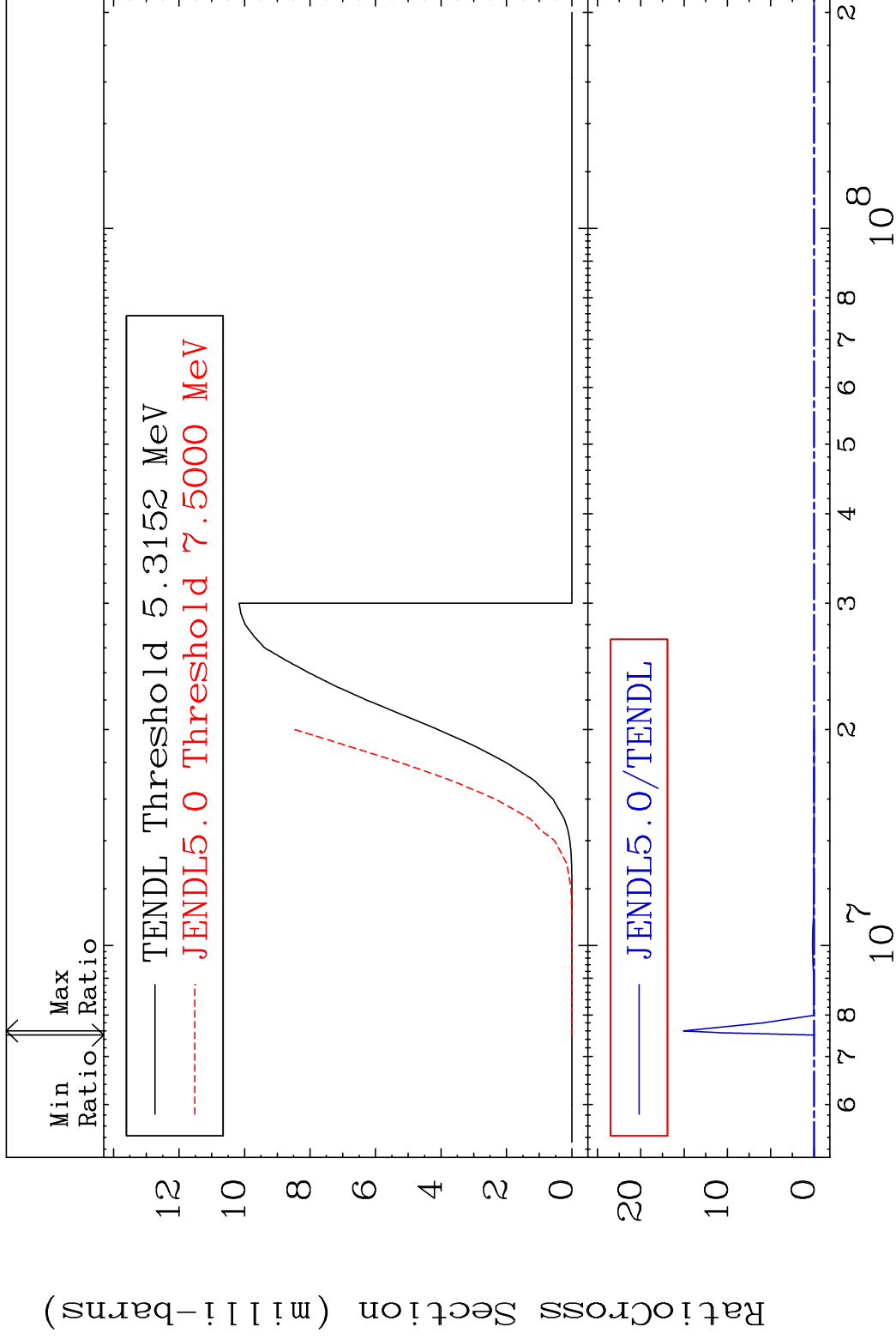
68-Er-167

MAT 6840

(n,d)

68-Er-167

Cross Section -100.0 To 9999. %



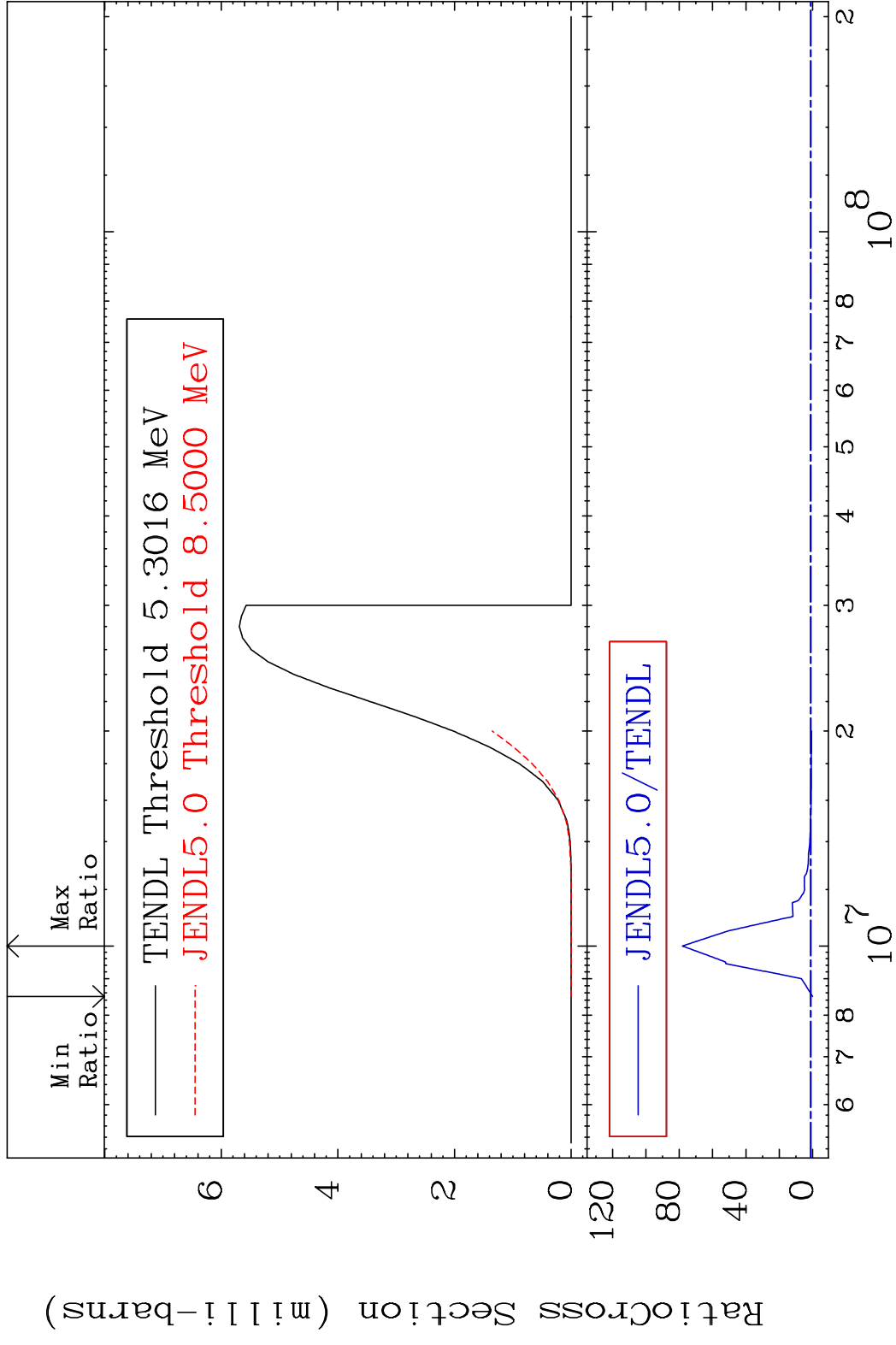
39

Incident Energy (eV)

68-Er-167



MAT 6840 (n, t) 68-Er-167  
 Cross Section -100.0 To 7714. %

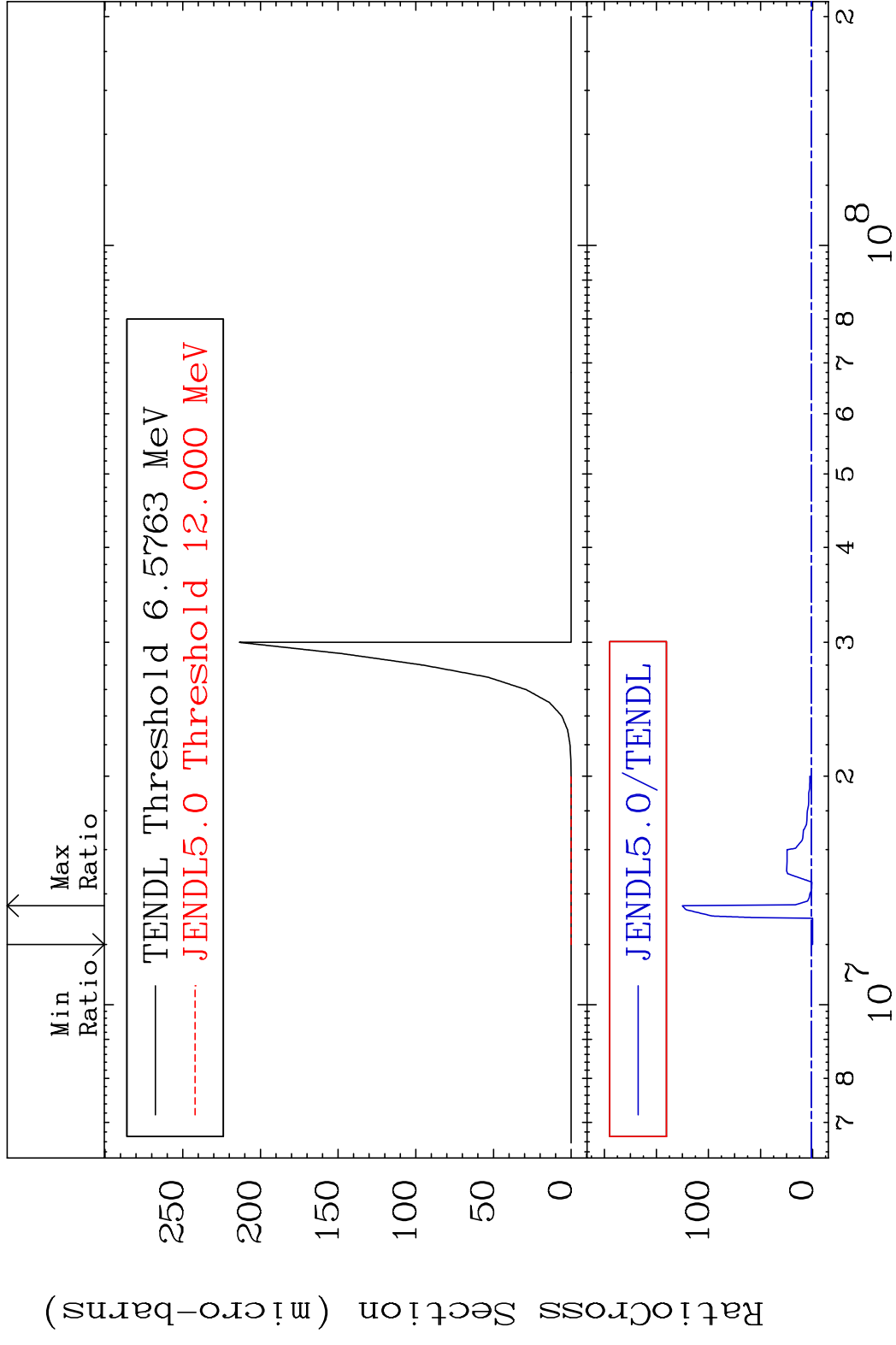


40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000

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

68-Er-167

MAT 6840 (n, He-3) 68-Er-167  
 Cross Section -100.0 To 9999. %



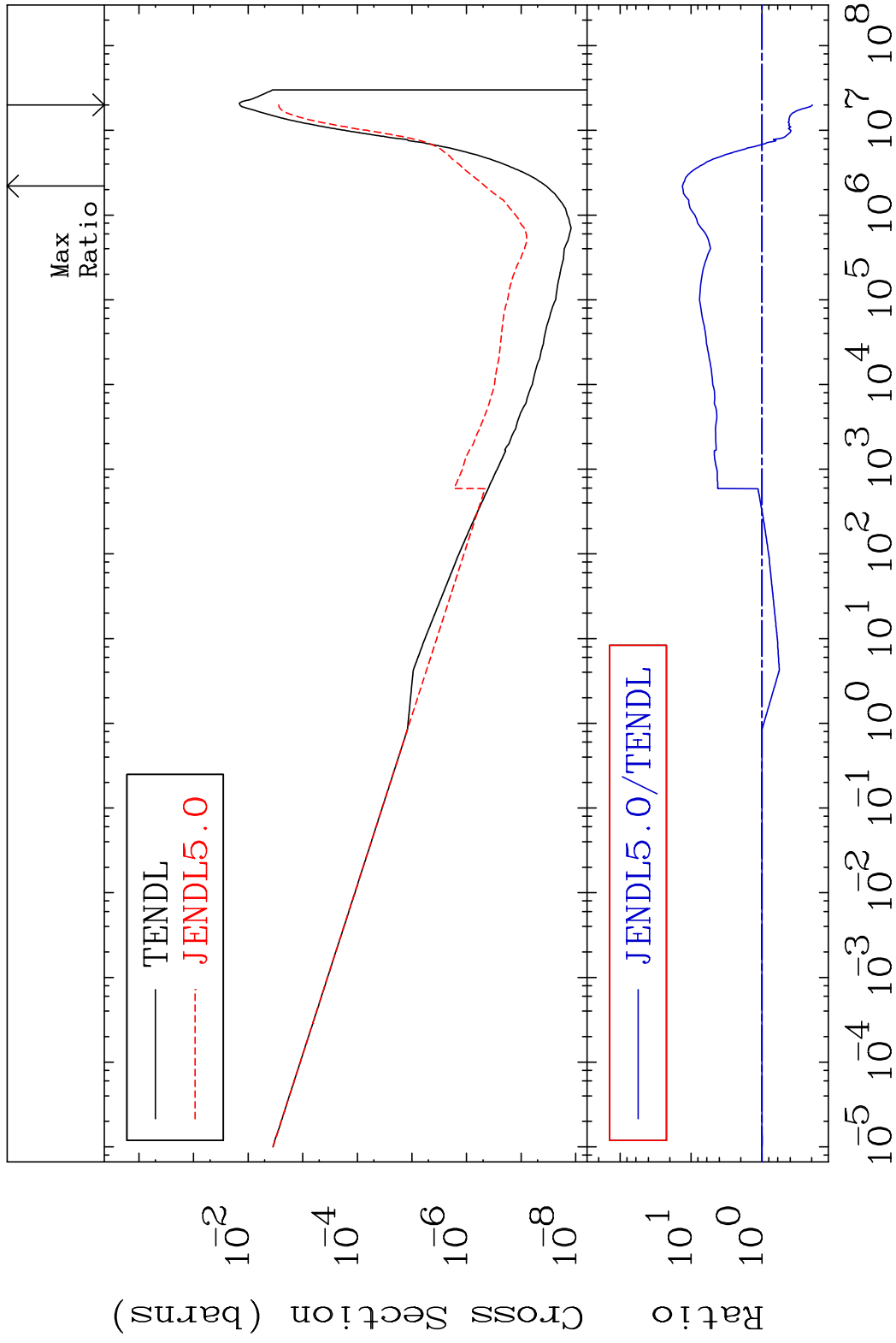
41 Incident Energy (eV) 68-Er-167

MAT 6840

(n,  $\alpha$ )

68-Er-167

Cross Section -80.59 To 1228. %

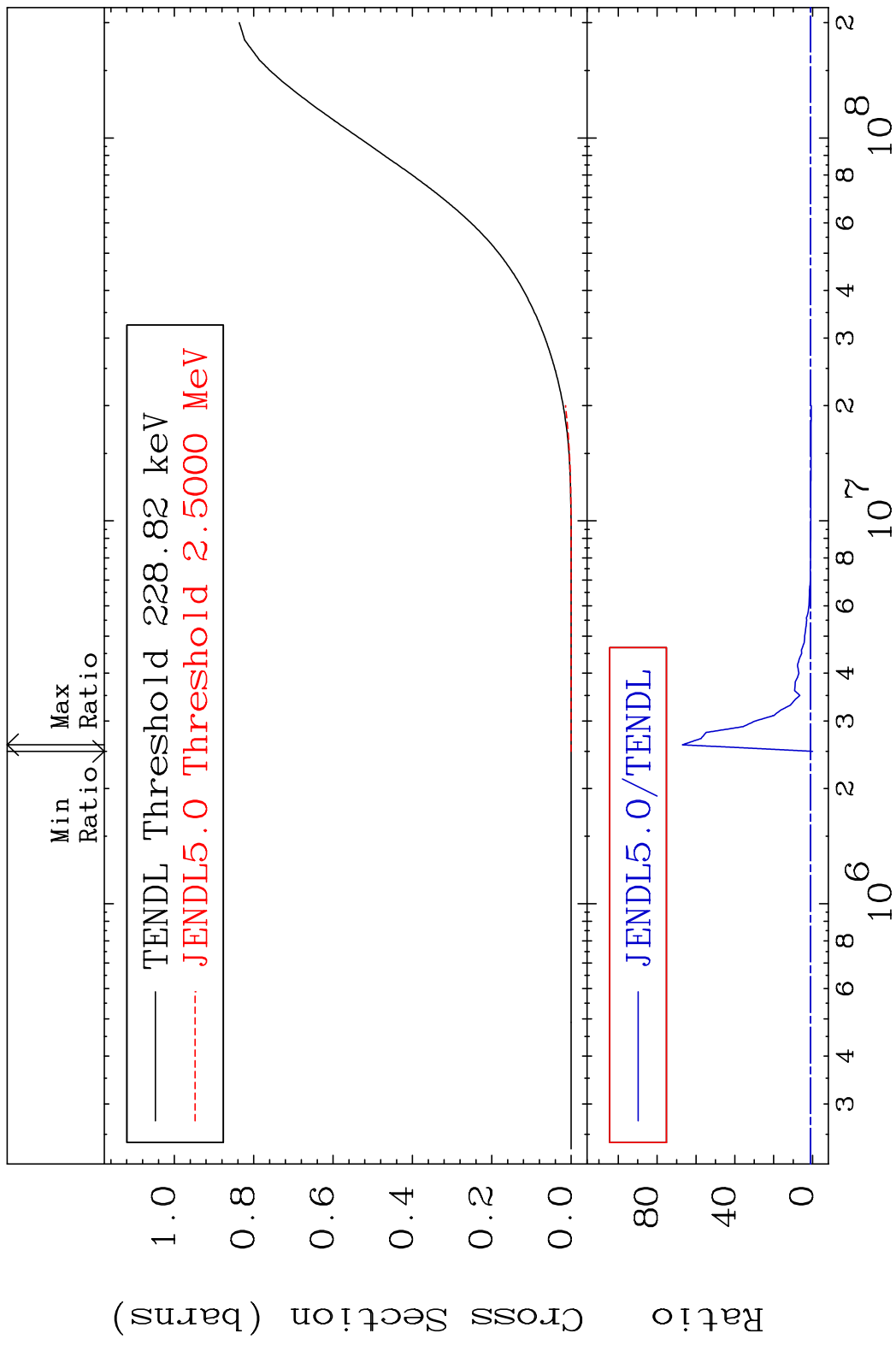


42

Incident Energy (eV)

68-Er-167

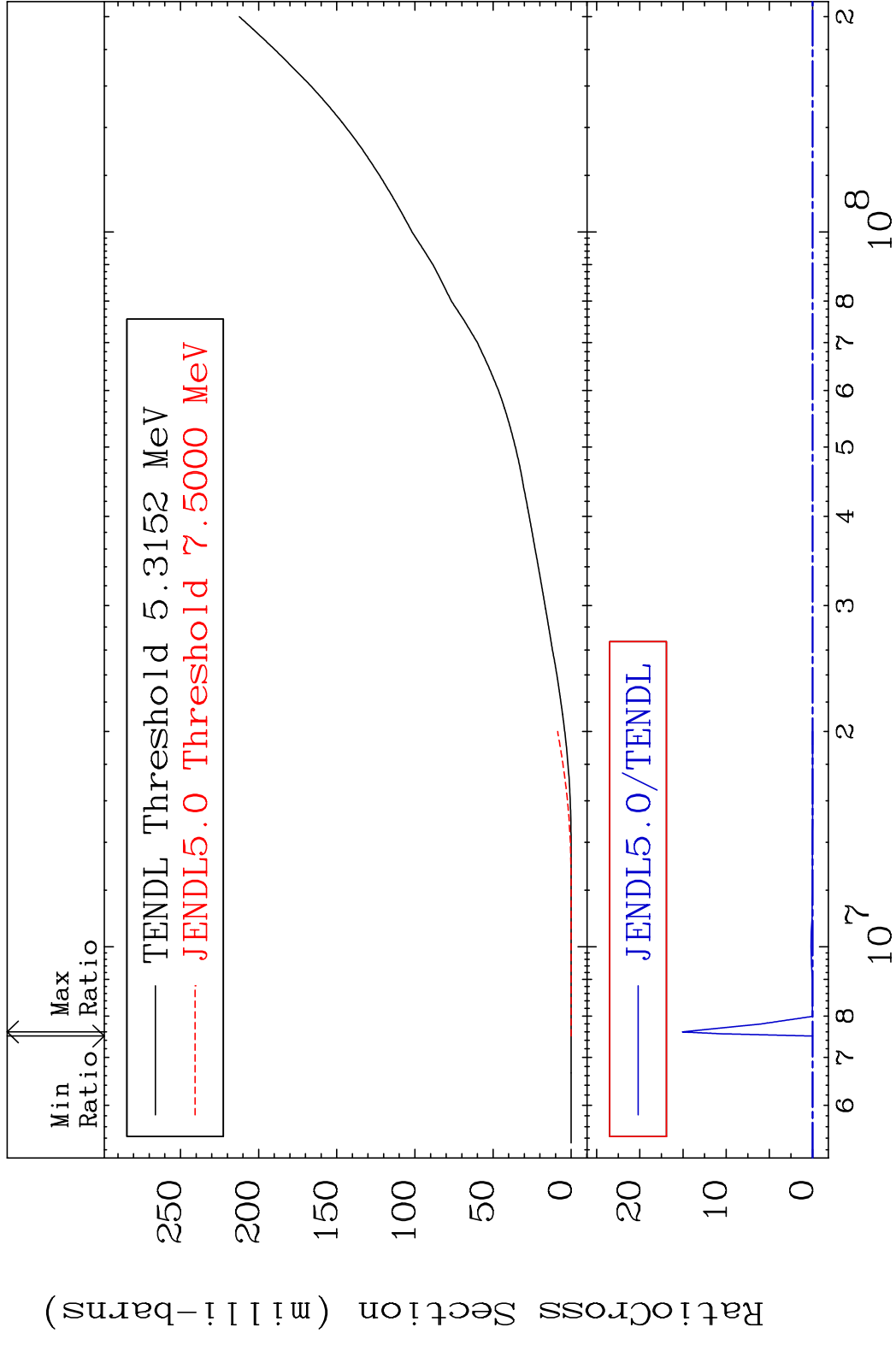
MAT 6840 Hydrogen Production 68-Er-167  
 Cross Section -100.0 To 6603. %



MAT 6840

Deuterium Production 68-Er-167

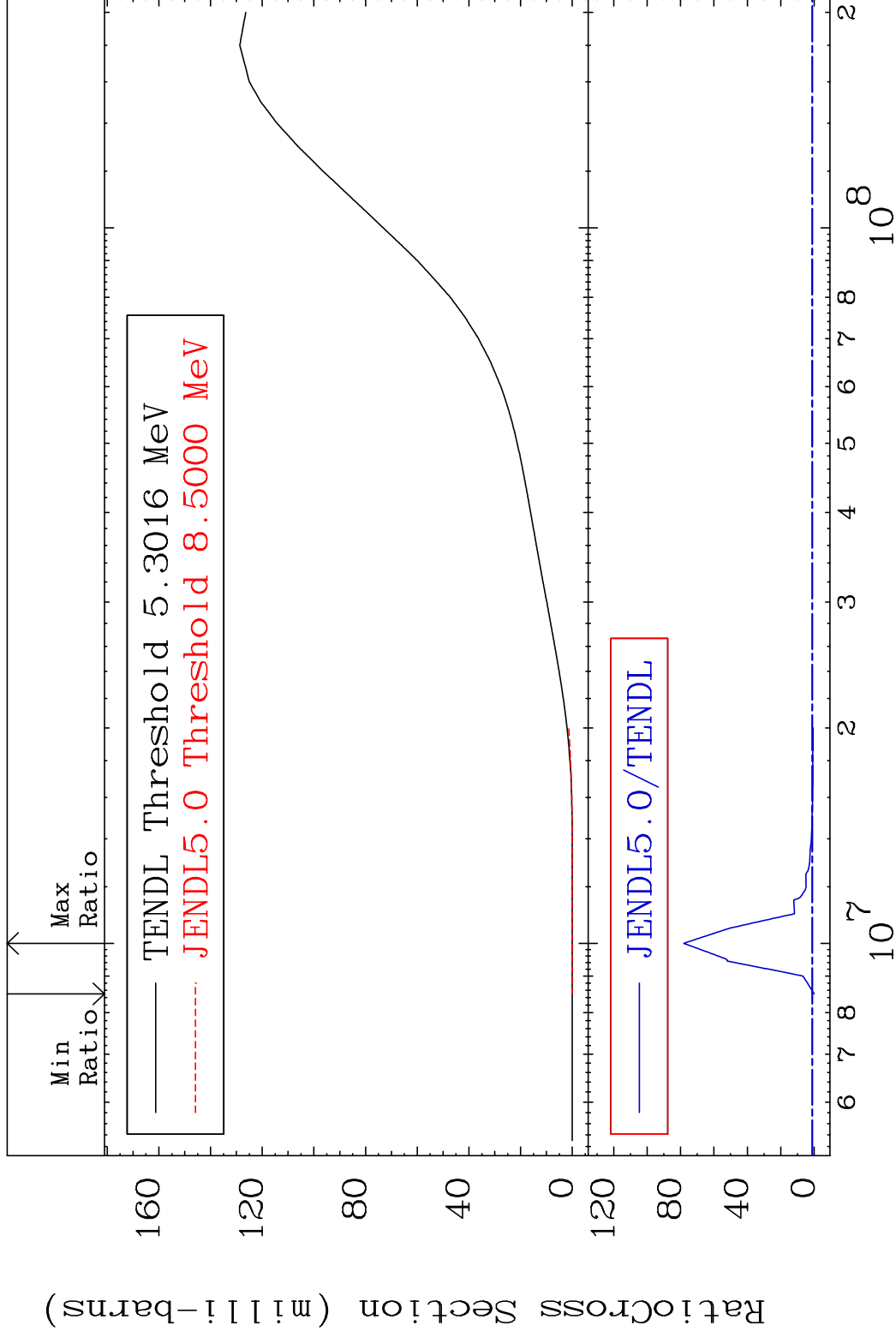
Cross Section -100.0 To 9999. %



MAT 6840

Tritium Production 68-Er-167

Cross Section -100.0 To 7714. %



45

Incident Energy (eV)

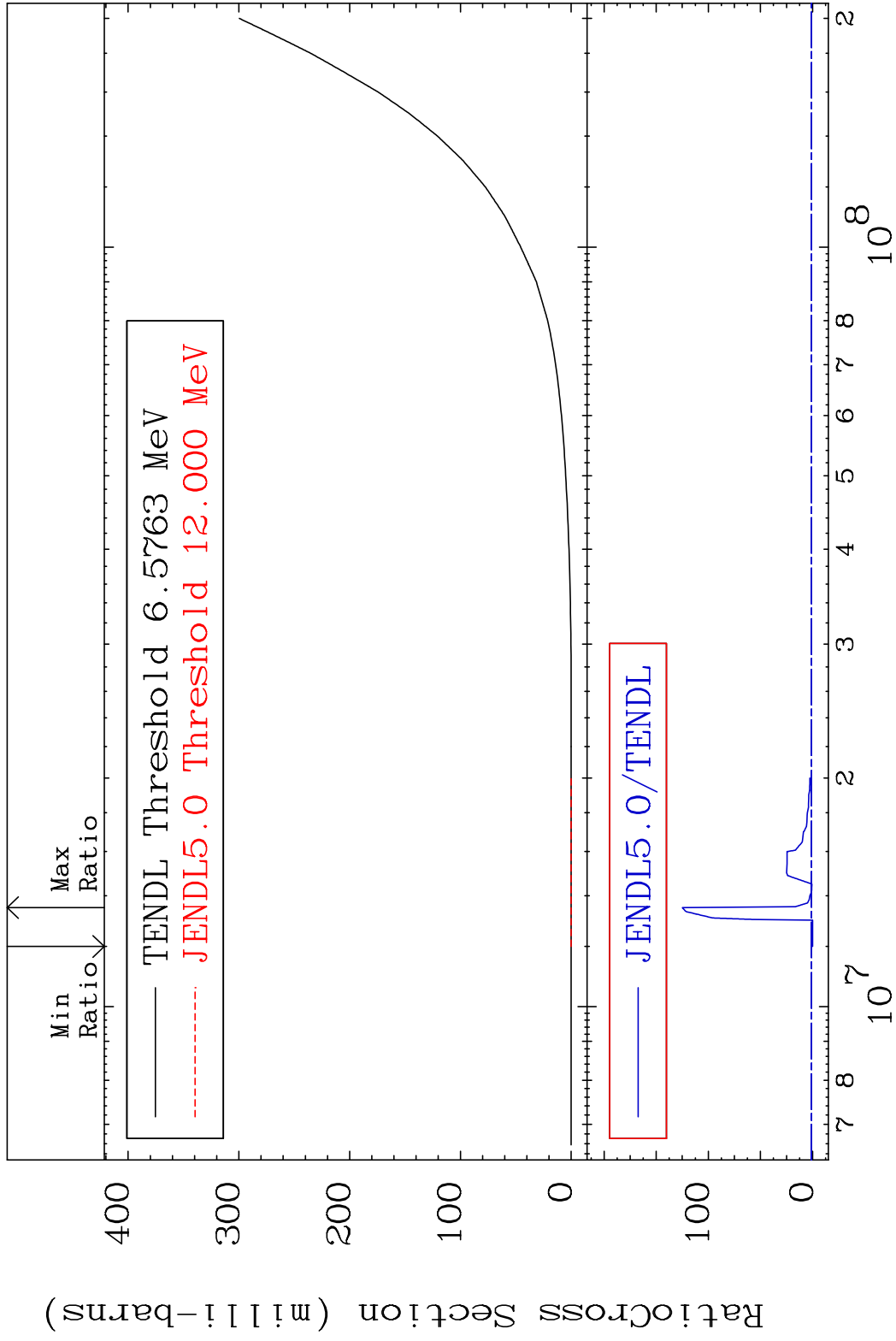
68-Er-167

MAT 6840

He-3 Production

68-Er-167

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

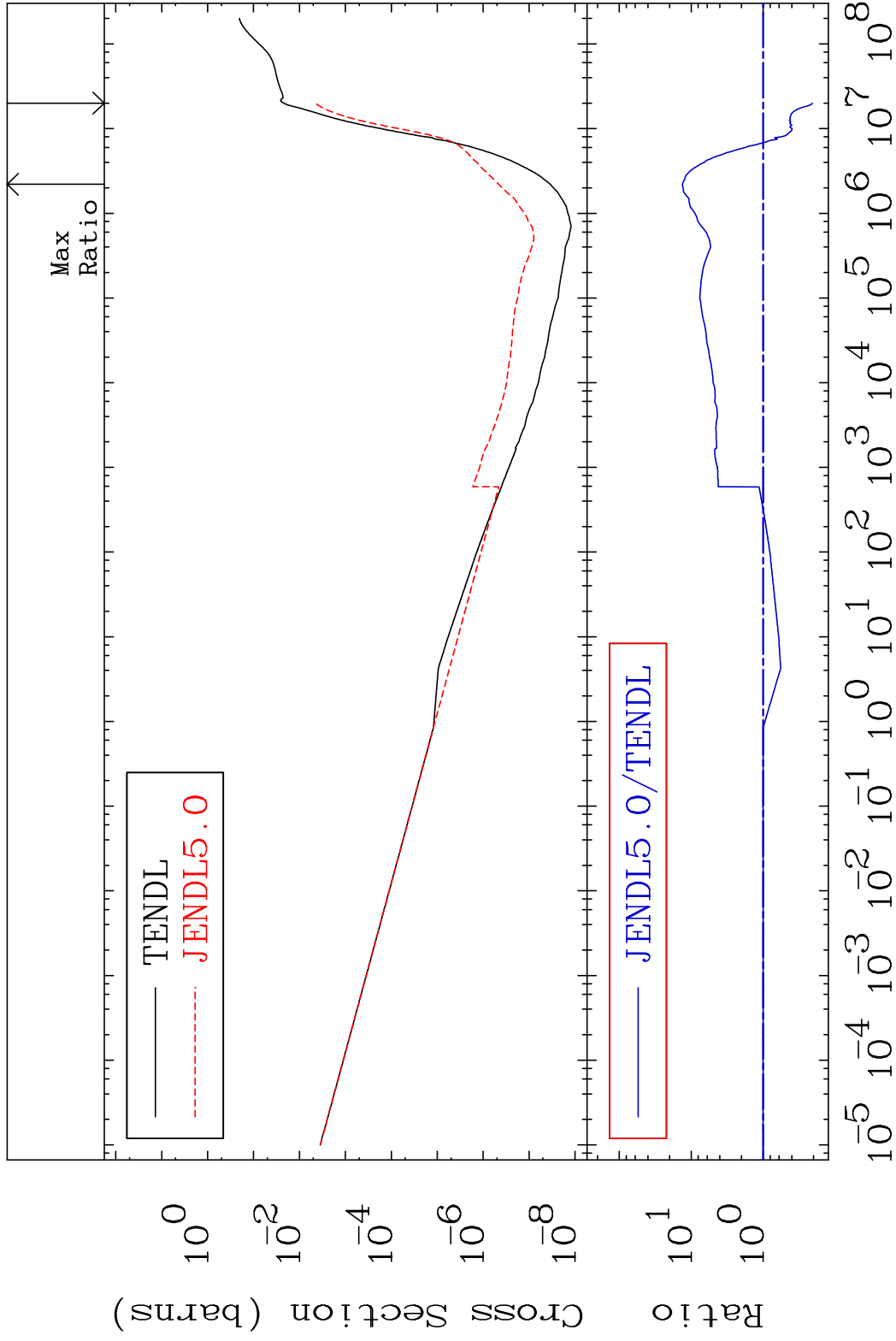
68-Er-167

MAT 6840

He-4 Production

68-Er-167

Cross Section -79.42 To 1228. %



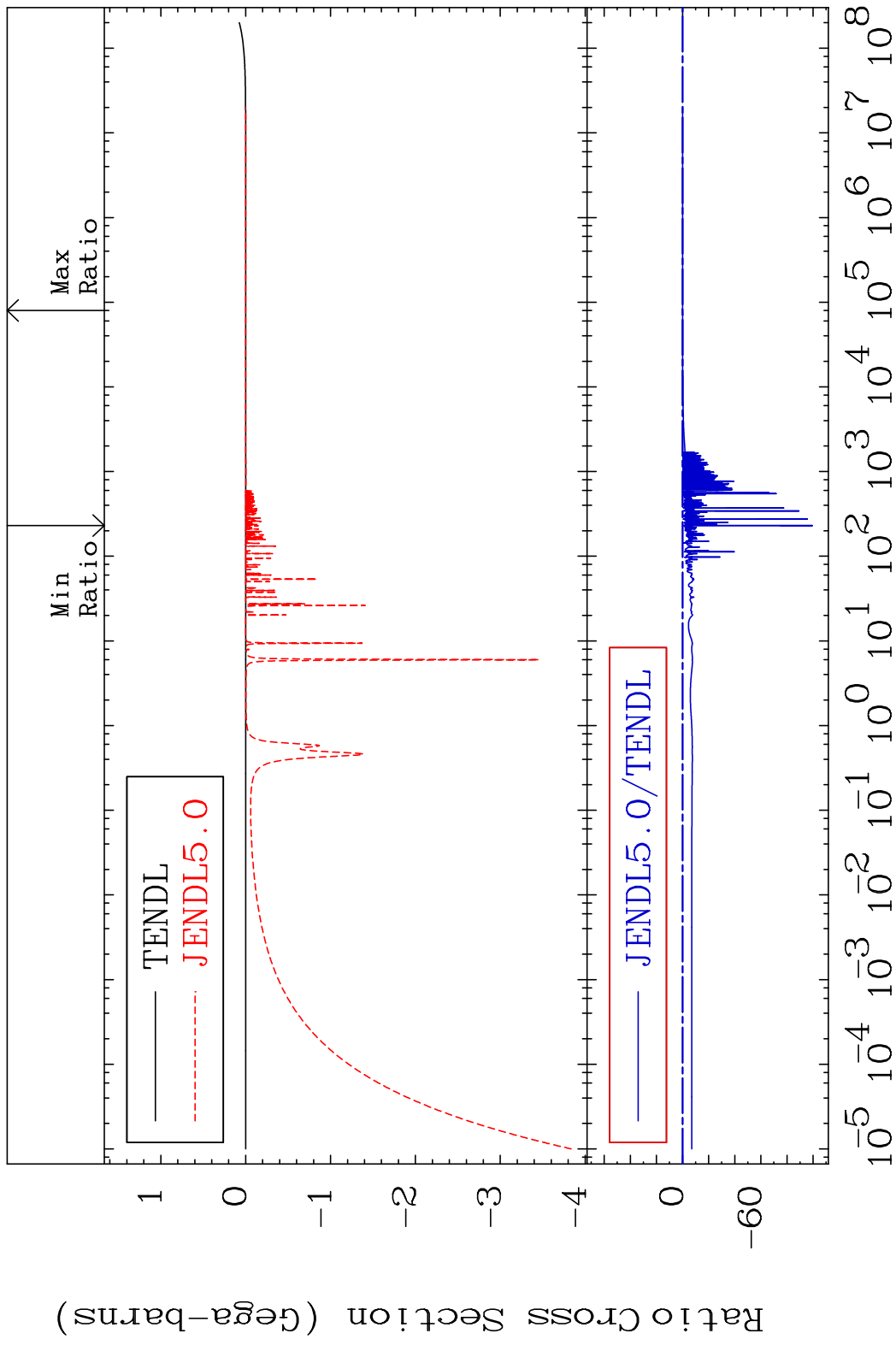
47

Incident Energy (eV)

68-Er-167



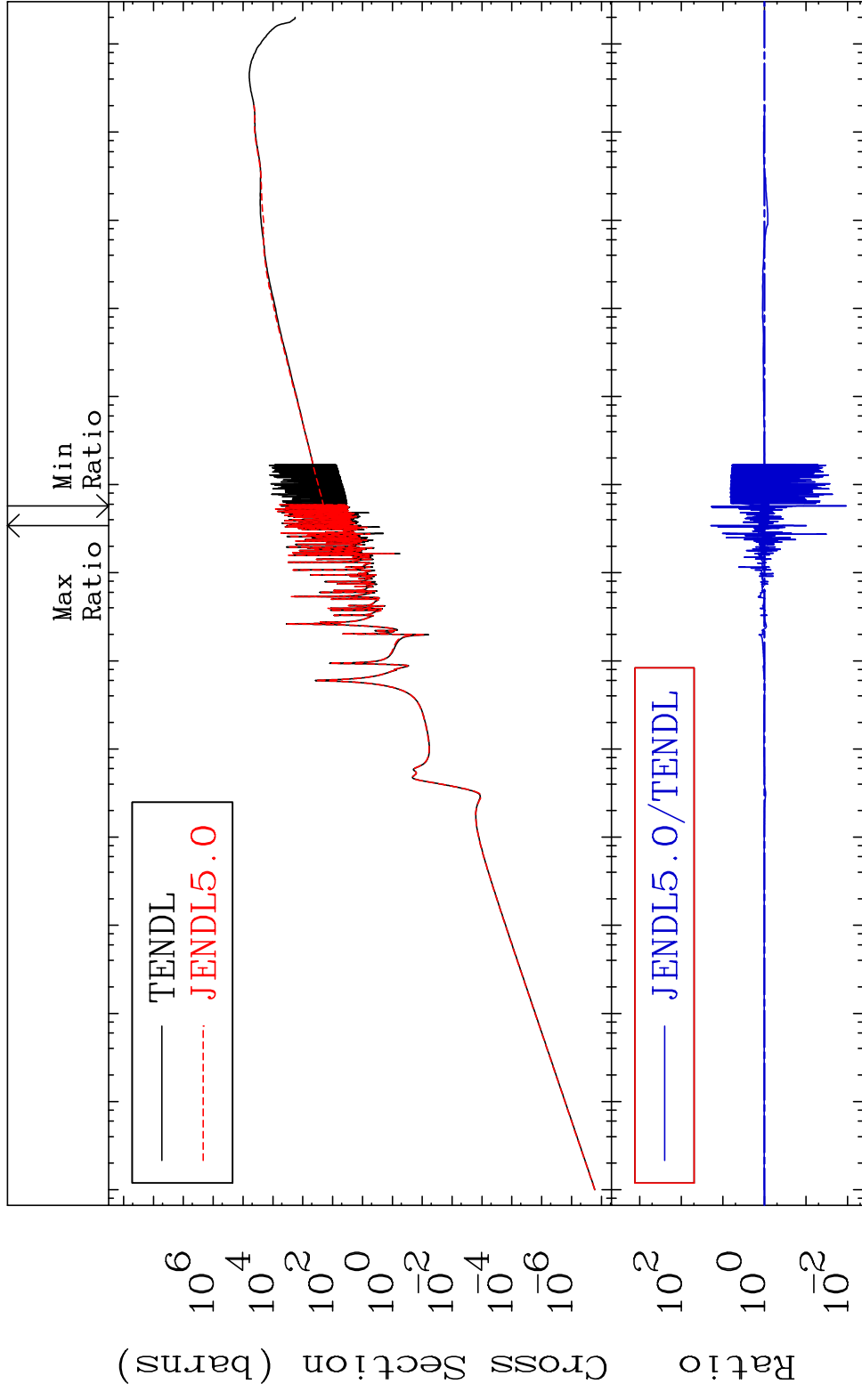
MAT 6840 Kerma total (eV-barns) 68-Er-167  
Cross Section -9999. To 9999. %



48 Incident Energy (eV) 68-Er-167

MAT 6840

Kerma elastic Cross Section -98.92 To 1859. %  
68-Er-167

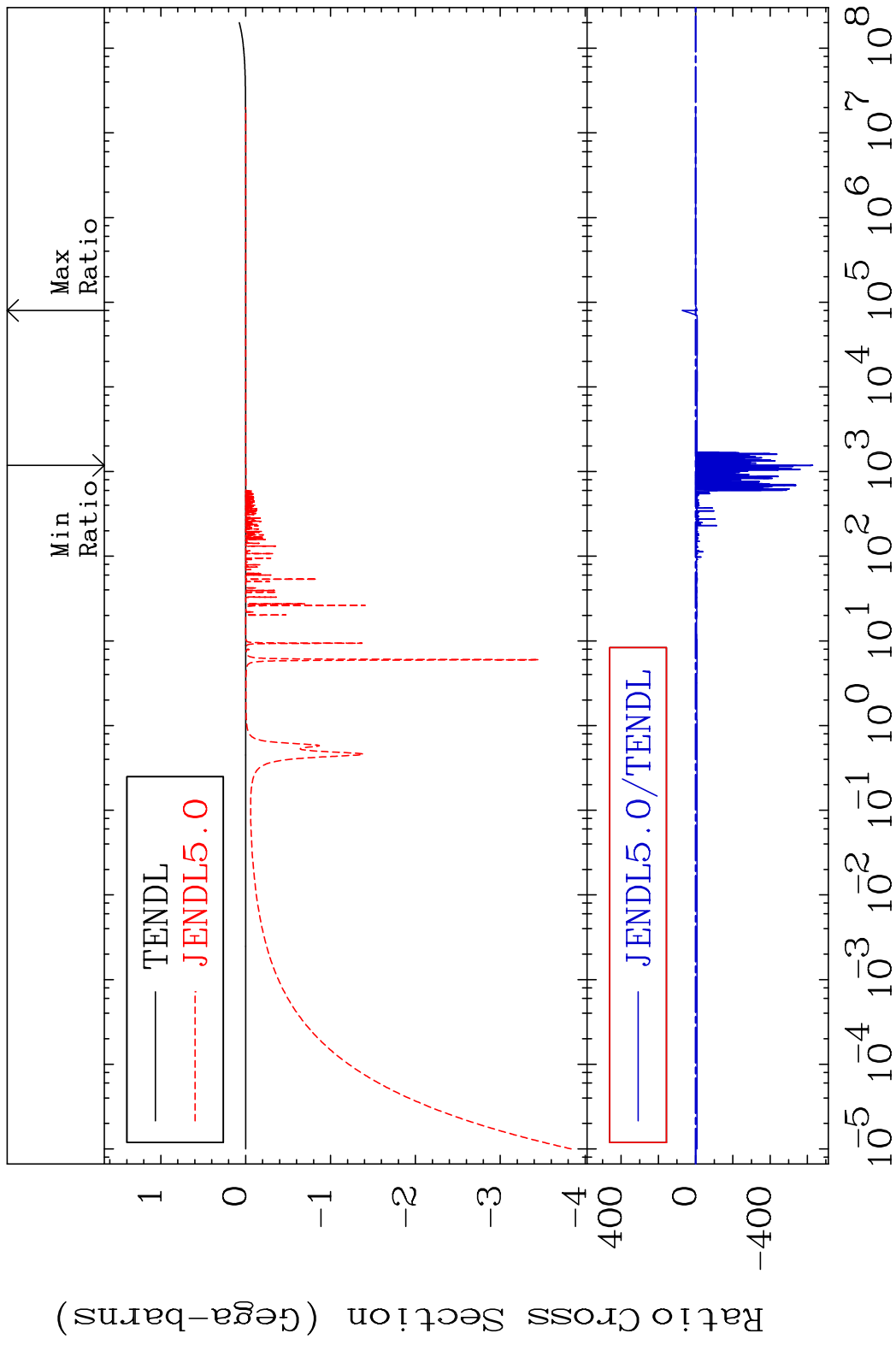


49

Incident Energy (eV)

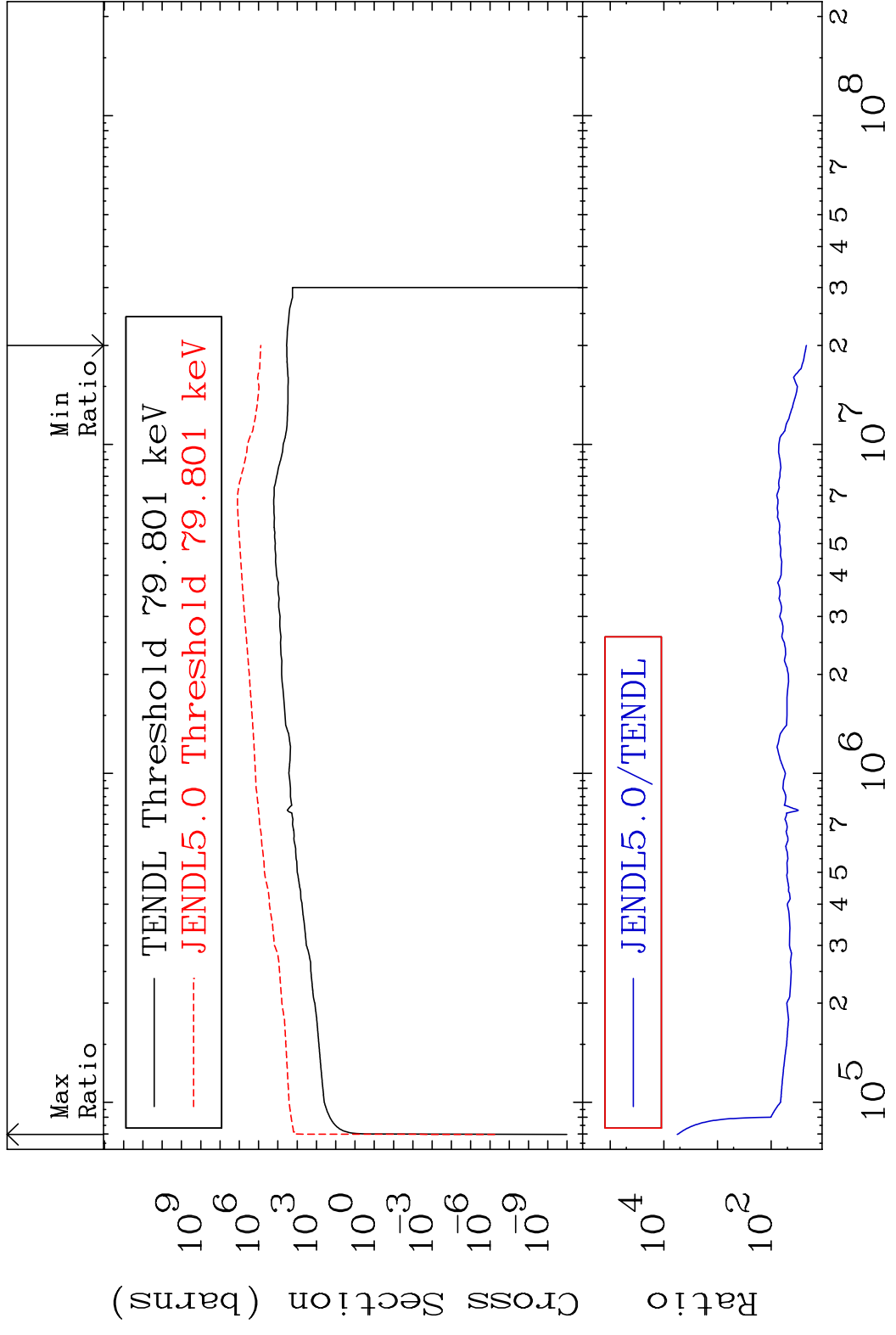
68-Er-167

MAT 6840 Kerma non-elastic (all but mt2) 68-Er-167  
Cross Section -9999. To 9999. %

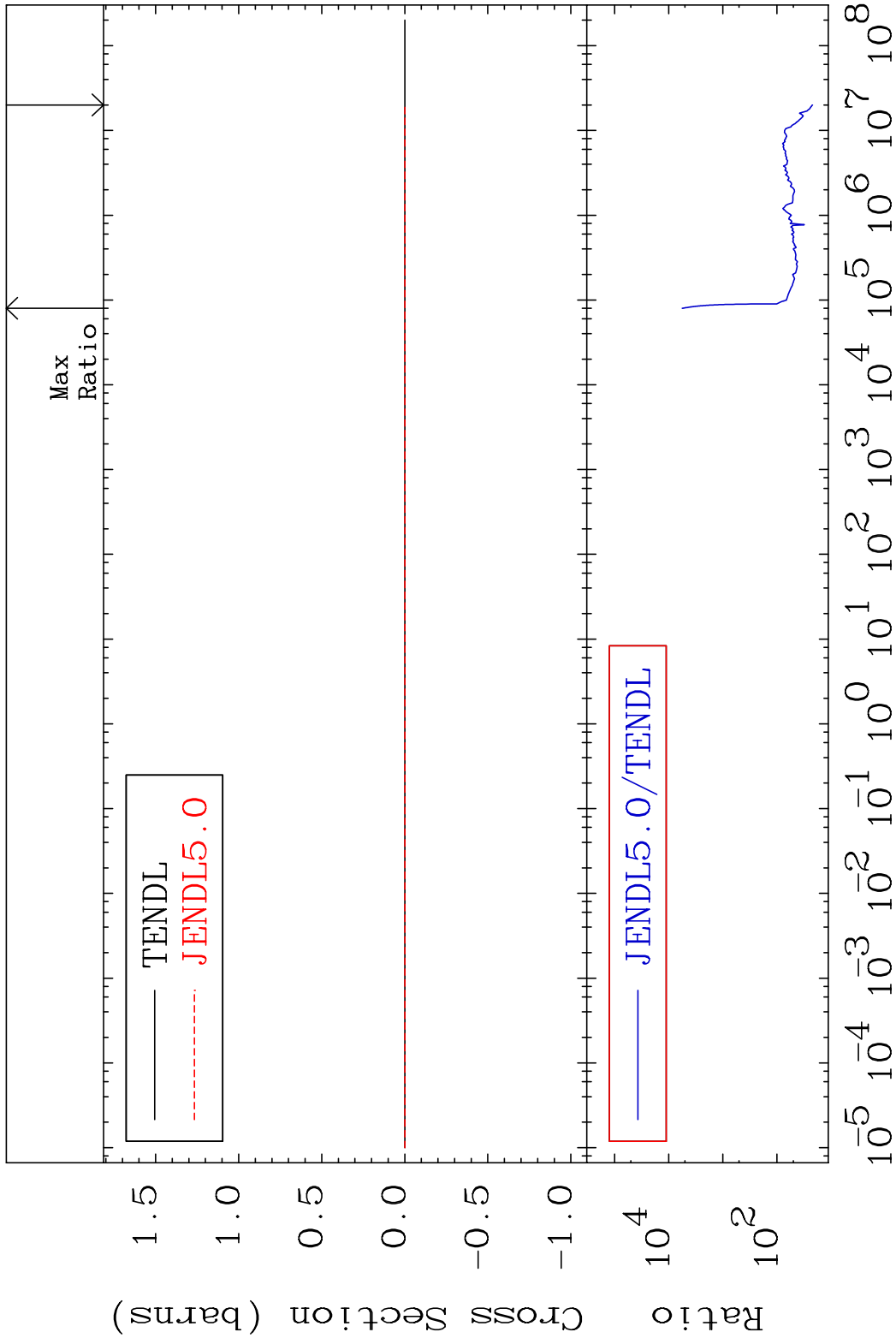


50 Incident Energy (eV) 68-Er-167

MAT 6840 Kerma inelastic (mt51-91) 68-Er-167  
 Cross Section 2107. To 9999. %

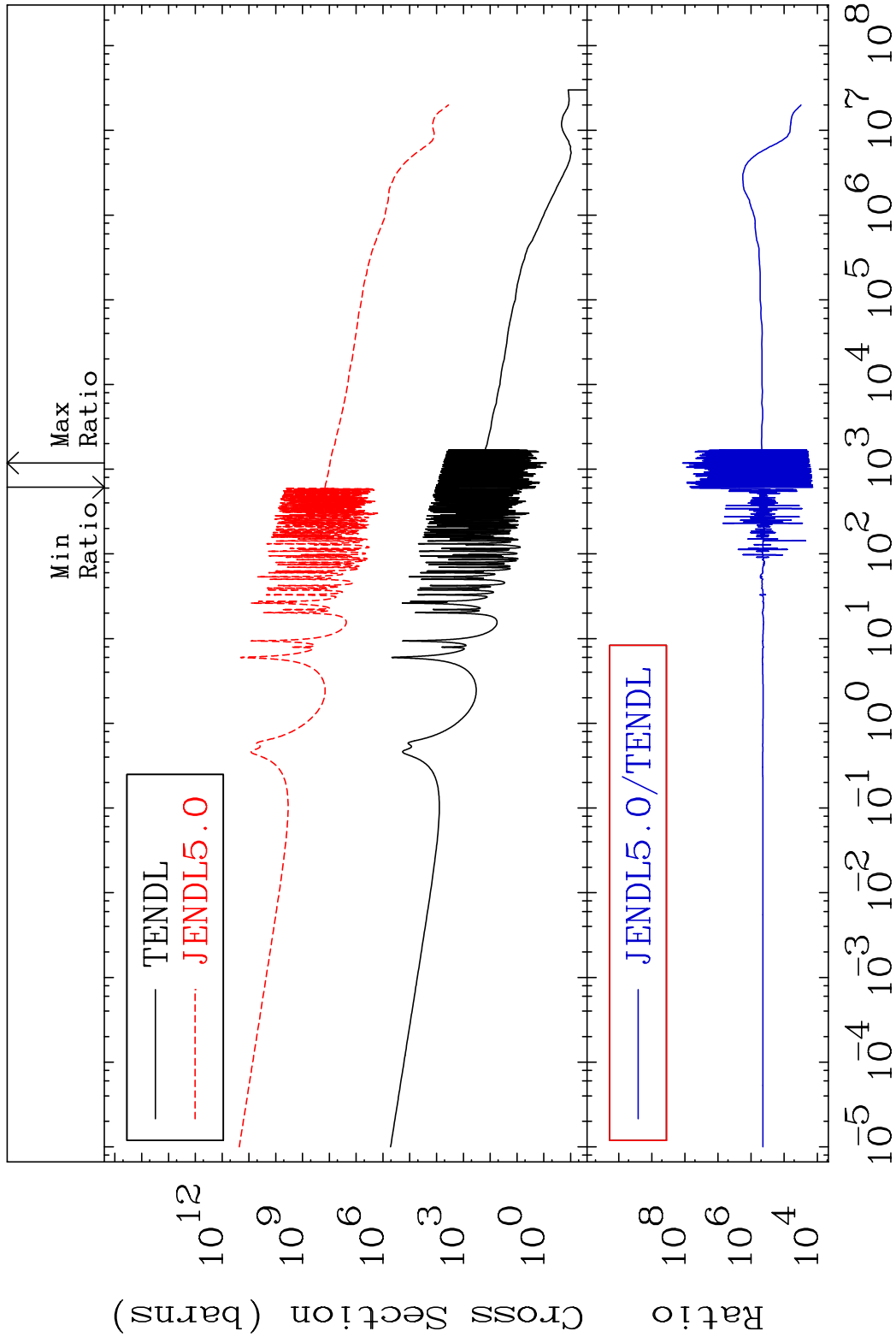


MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section 2107. To 9999. %



MAT 6840

Kerma capture (mt102) 68-Er-167  
Cross Section 9999. To 9999. %



53

Incident Energy (eV)

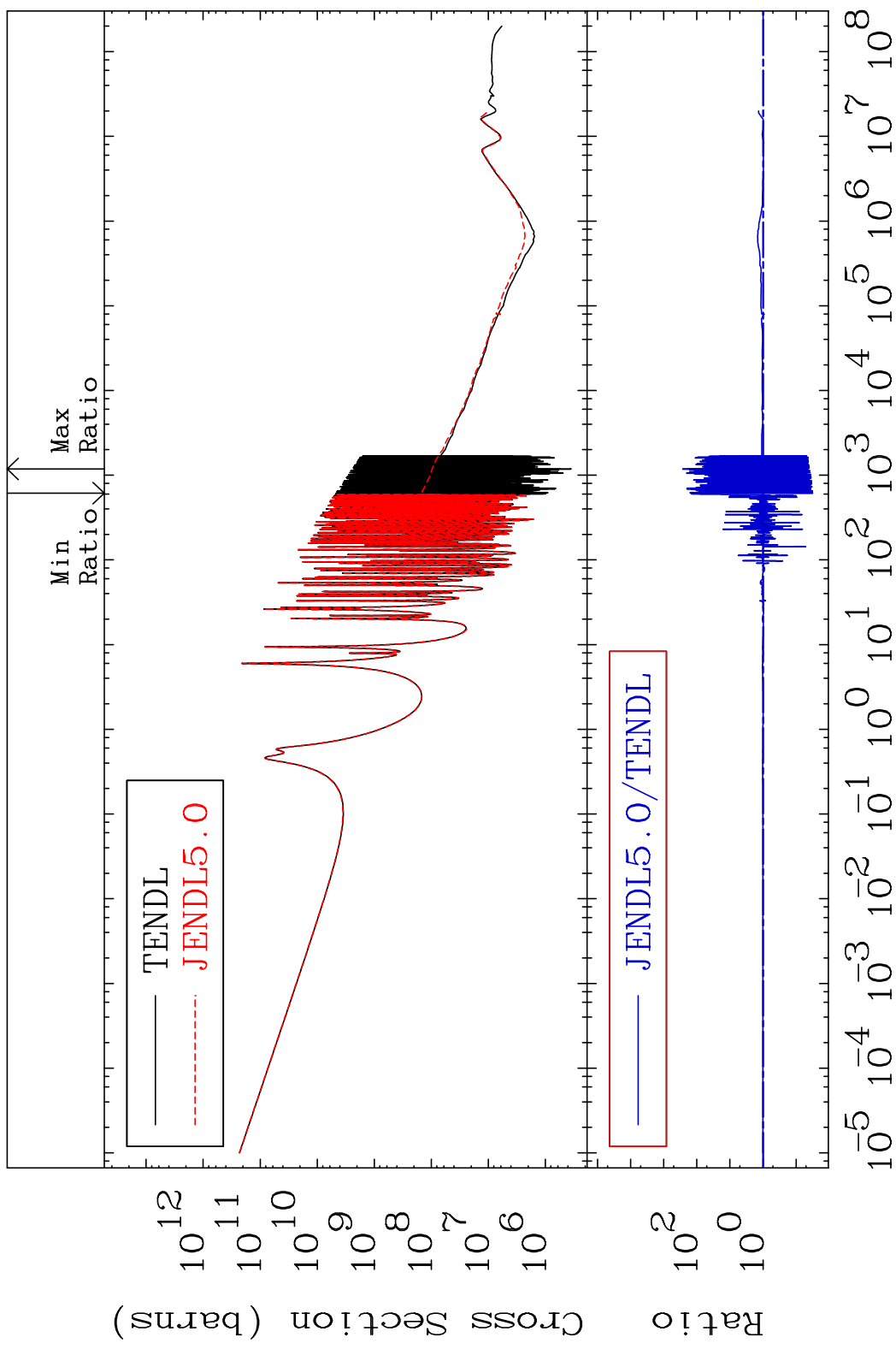
68-Er-167

MAT 6840

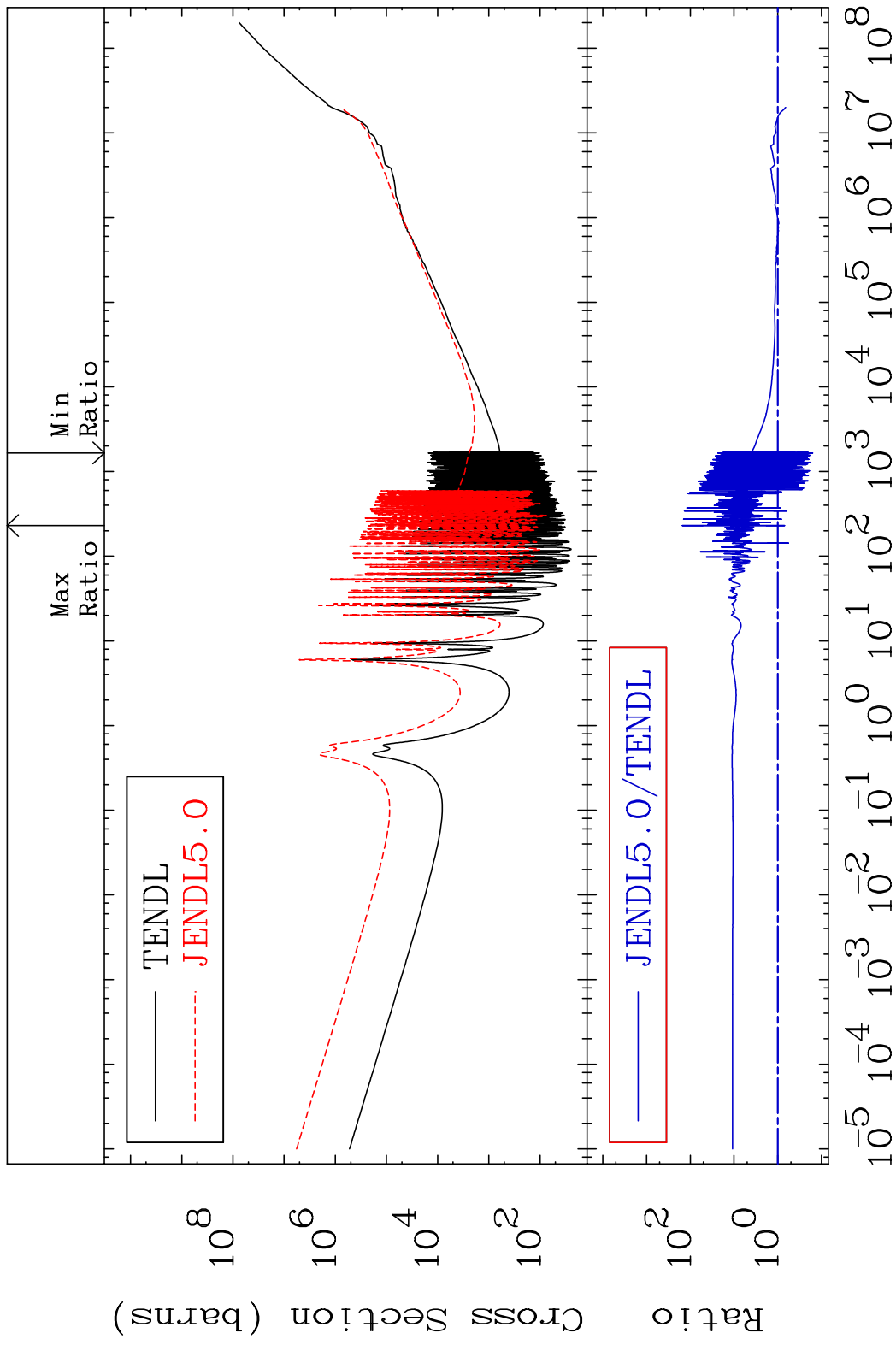
Total photon (eV-barns)

68-Er-167

Cross Section -96.81 To 9999. %



MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
Cross Section -83.91 To 9999. %



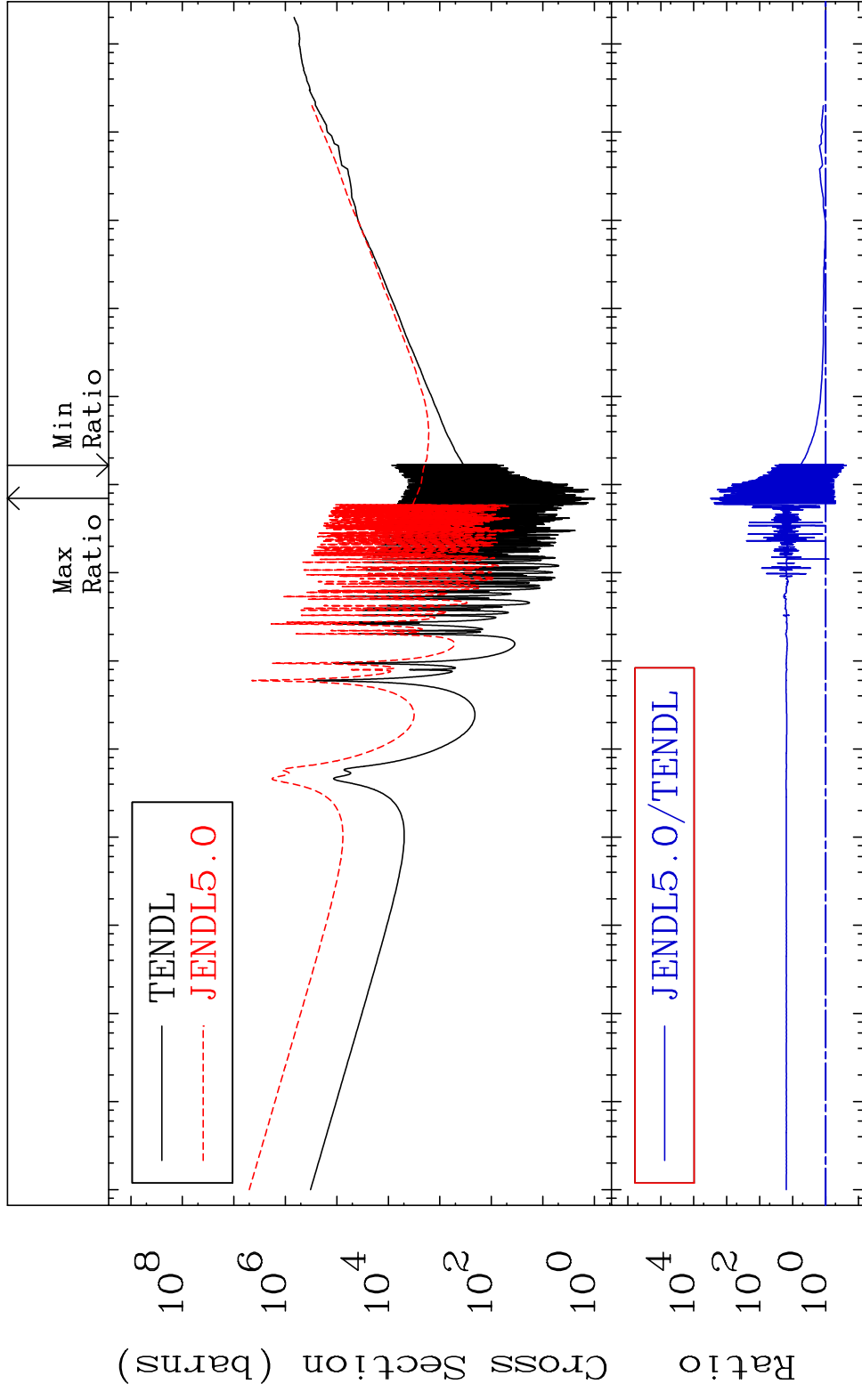


MAT 6840

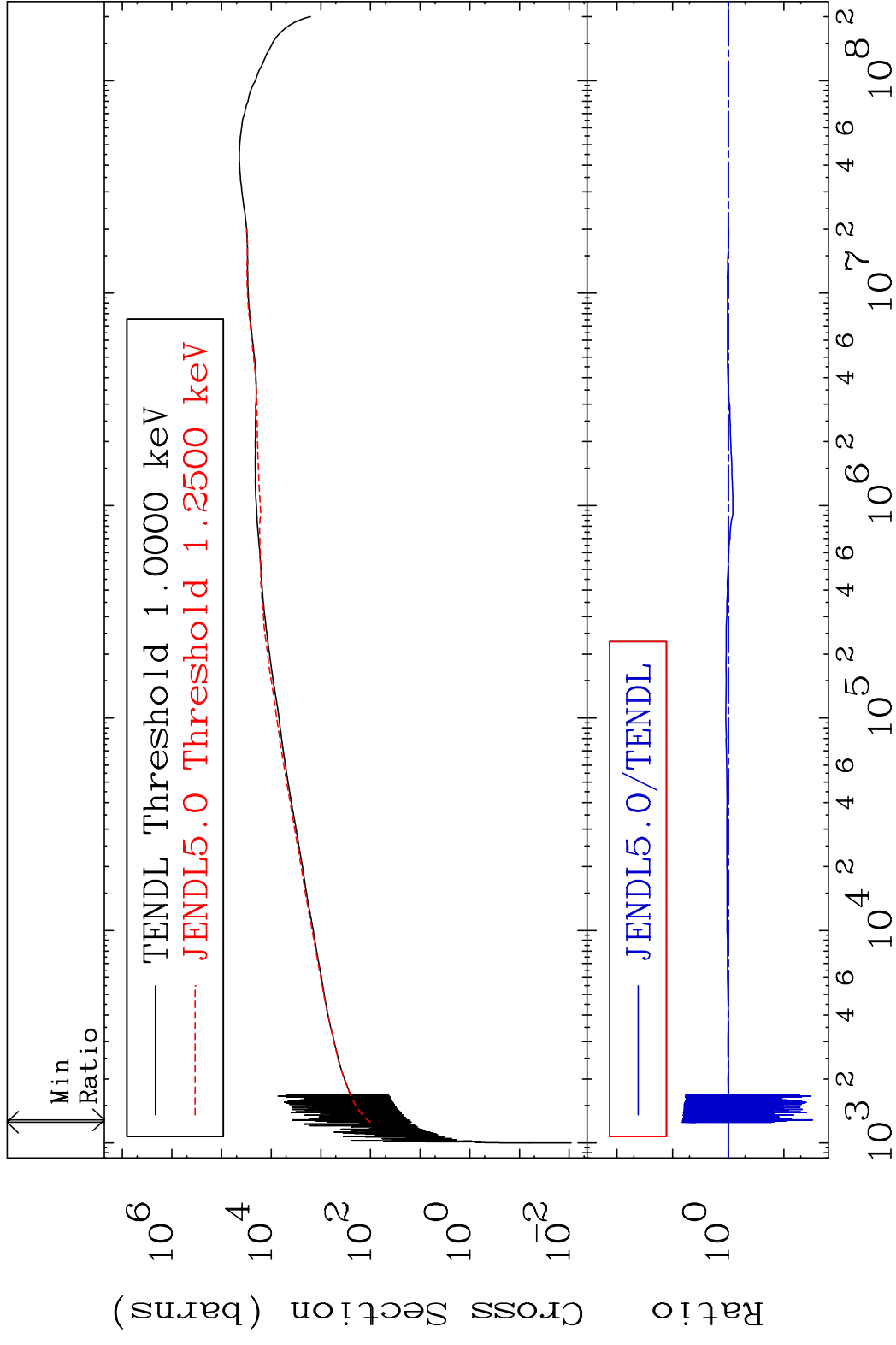
Dpa total (eV-barns)

68-Er-167

Cross Section -76.45 To 9999. %

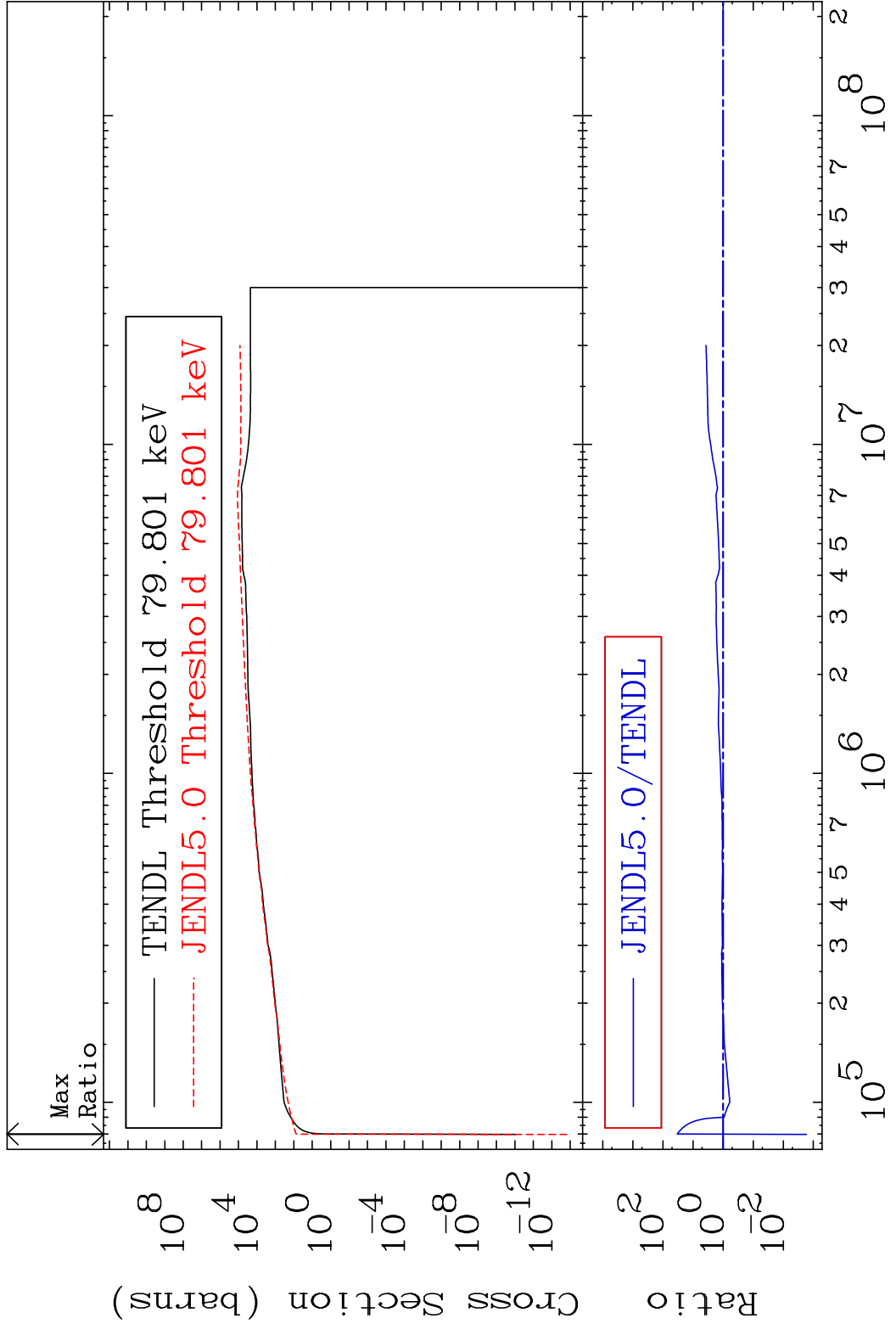


MAT 6840      Dpa elastic (mt2)      68-Er-167  
 Cross Section      -96.94 To 570.0 %

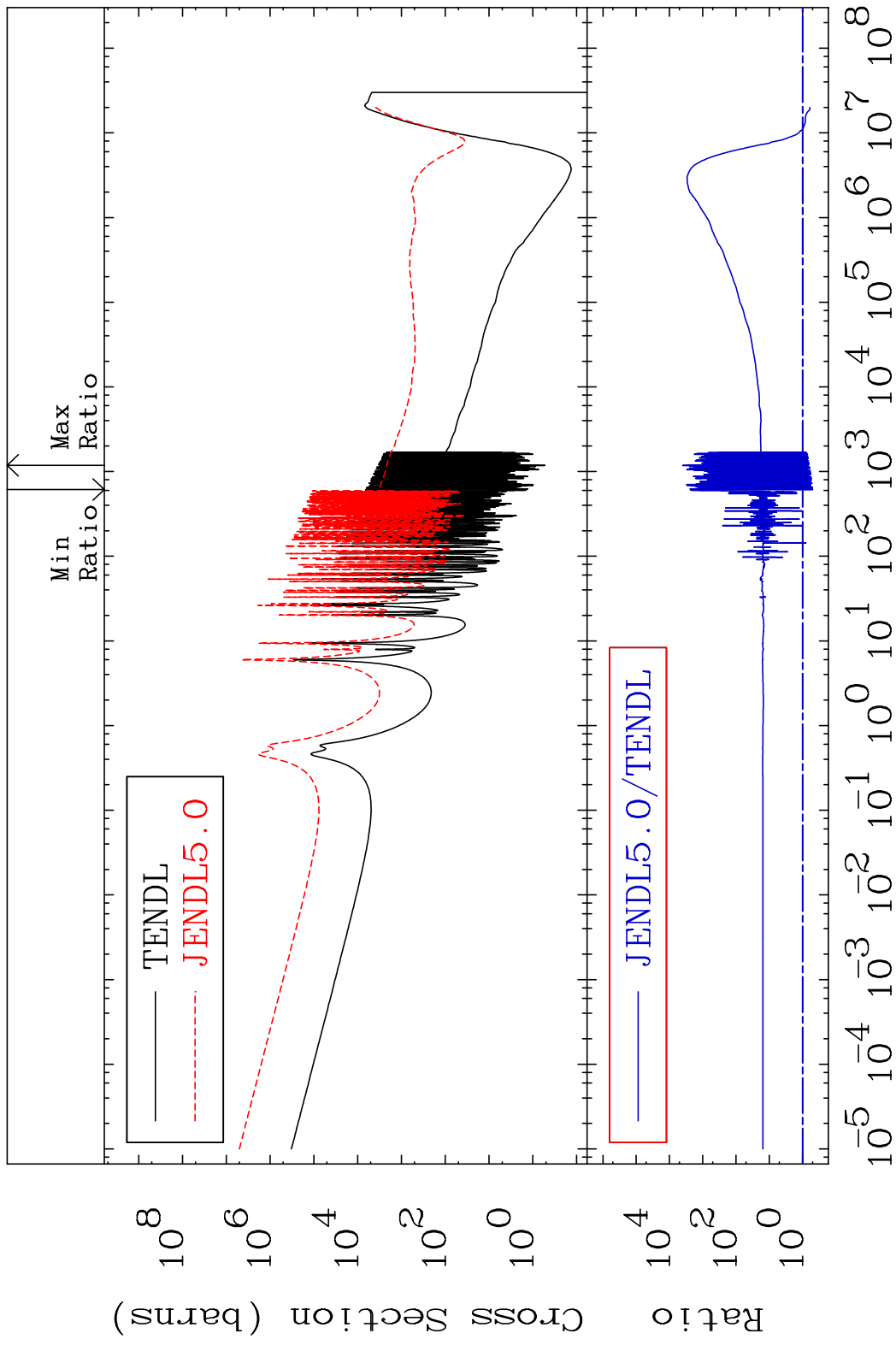


57      Incident Energy (eV)      68-Er-167

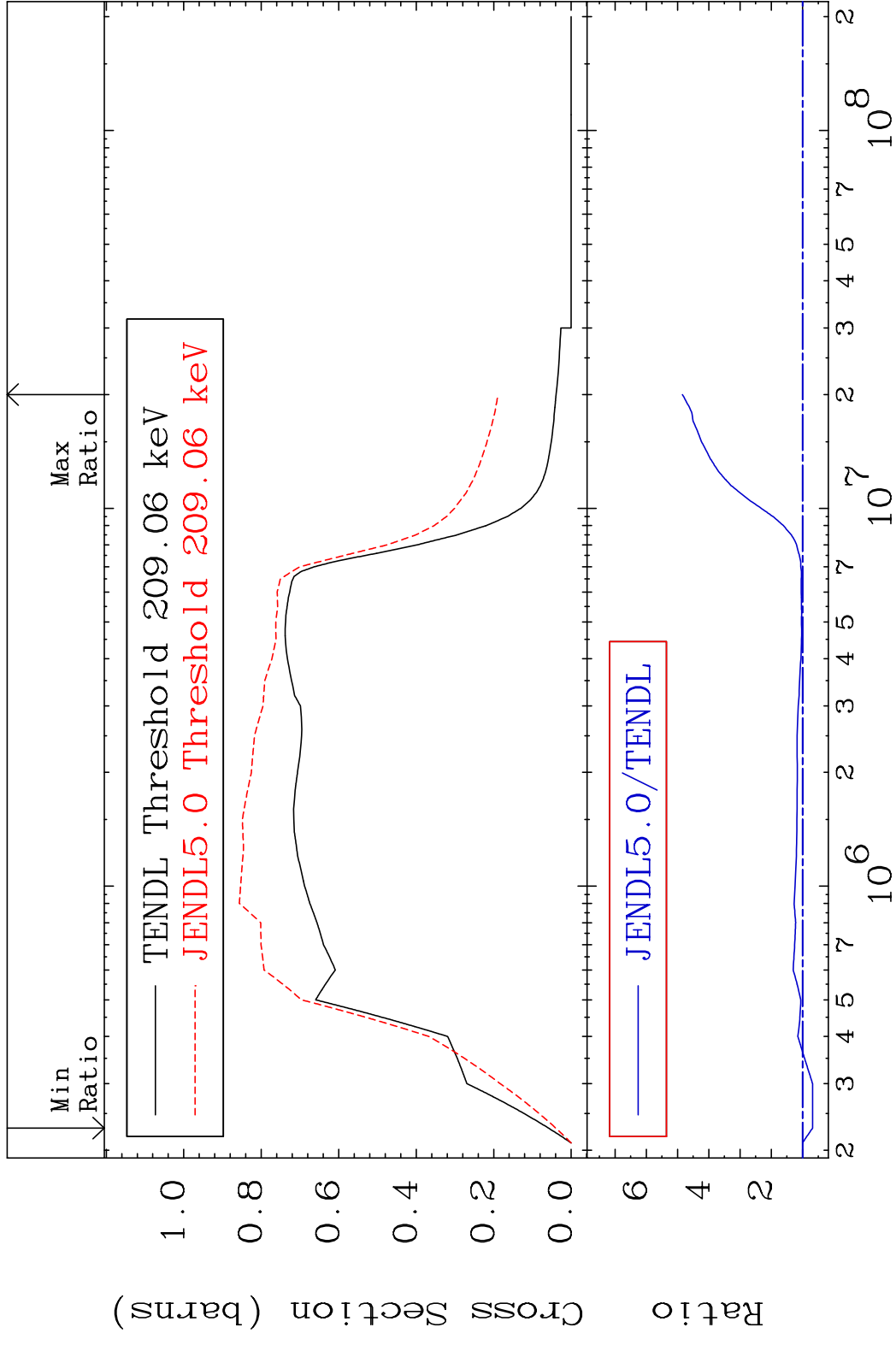
MAT 6840 Dpa inelastic (mt51-91) 68-Er-167  
 Cross Section -99.83 To 3265. %

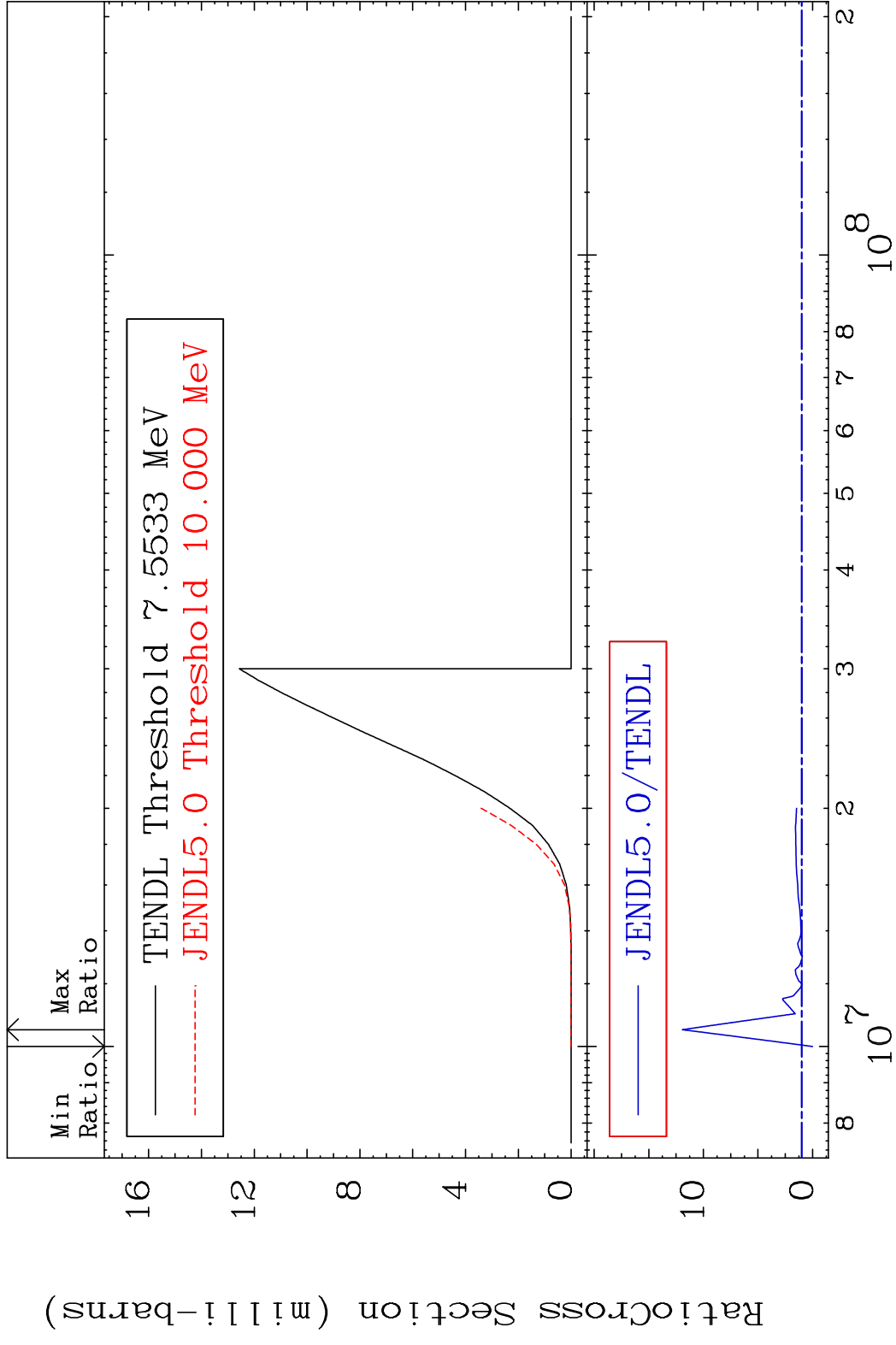


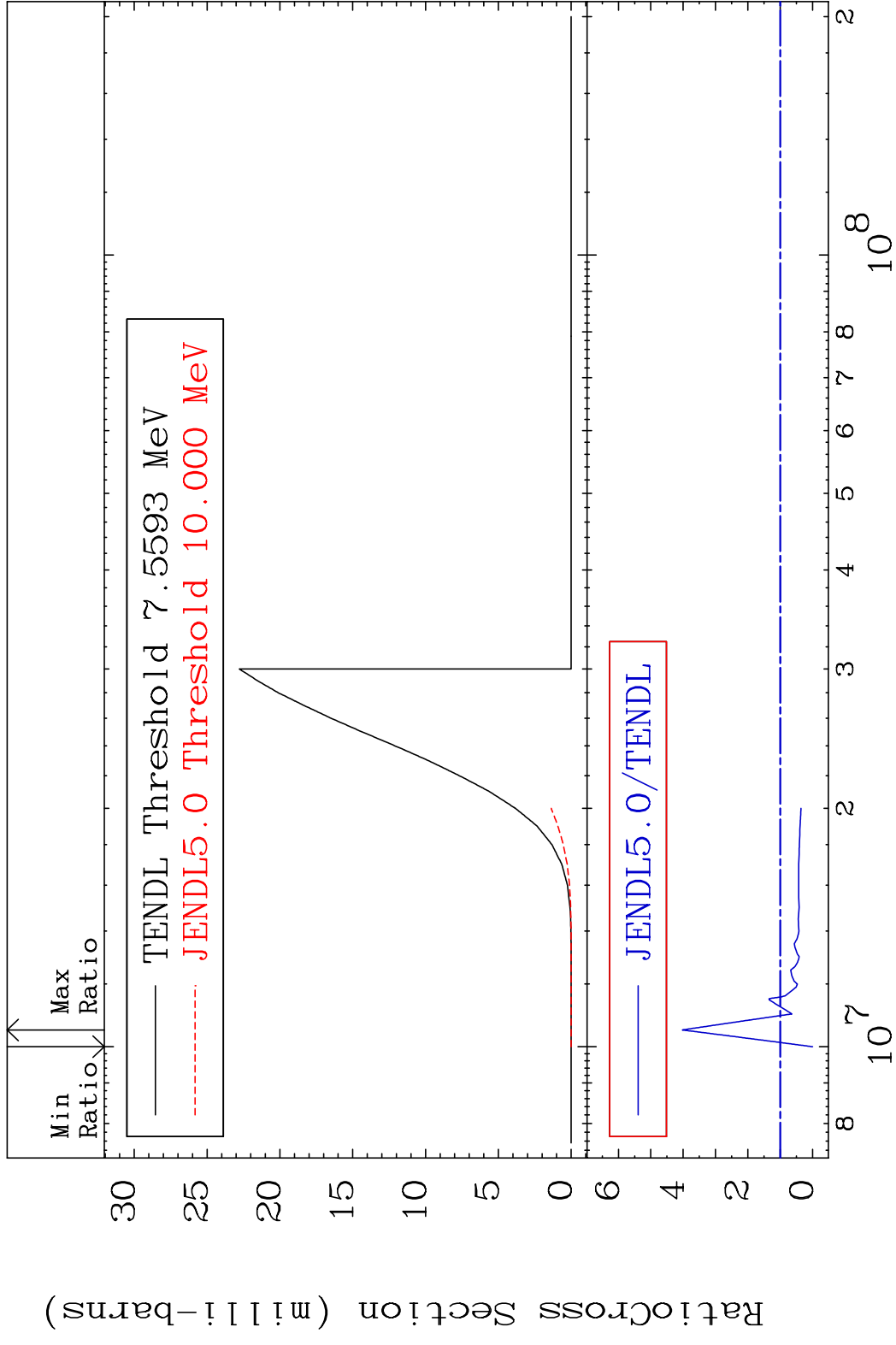
MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
Cross Section -50.02 To 9999. %

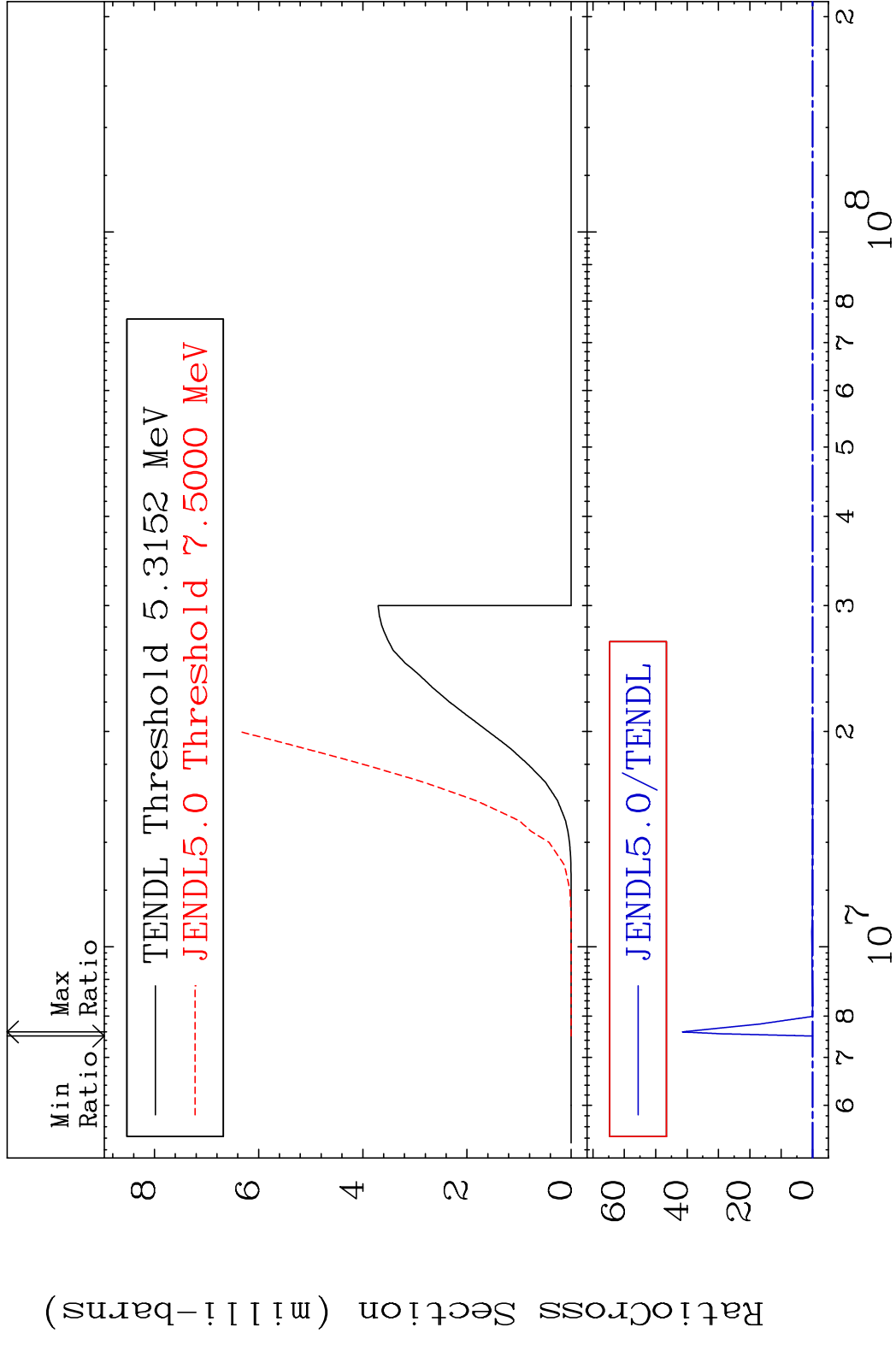


MAT 6840 Inelastic:68-Er-167m3 68-Er-167  
 Radionuclide Production Cross Section 384.7 %

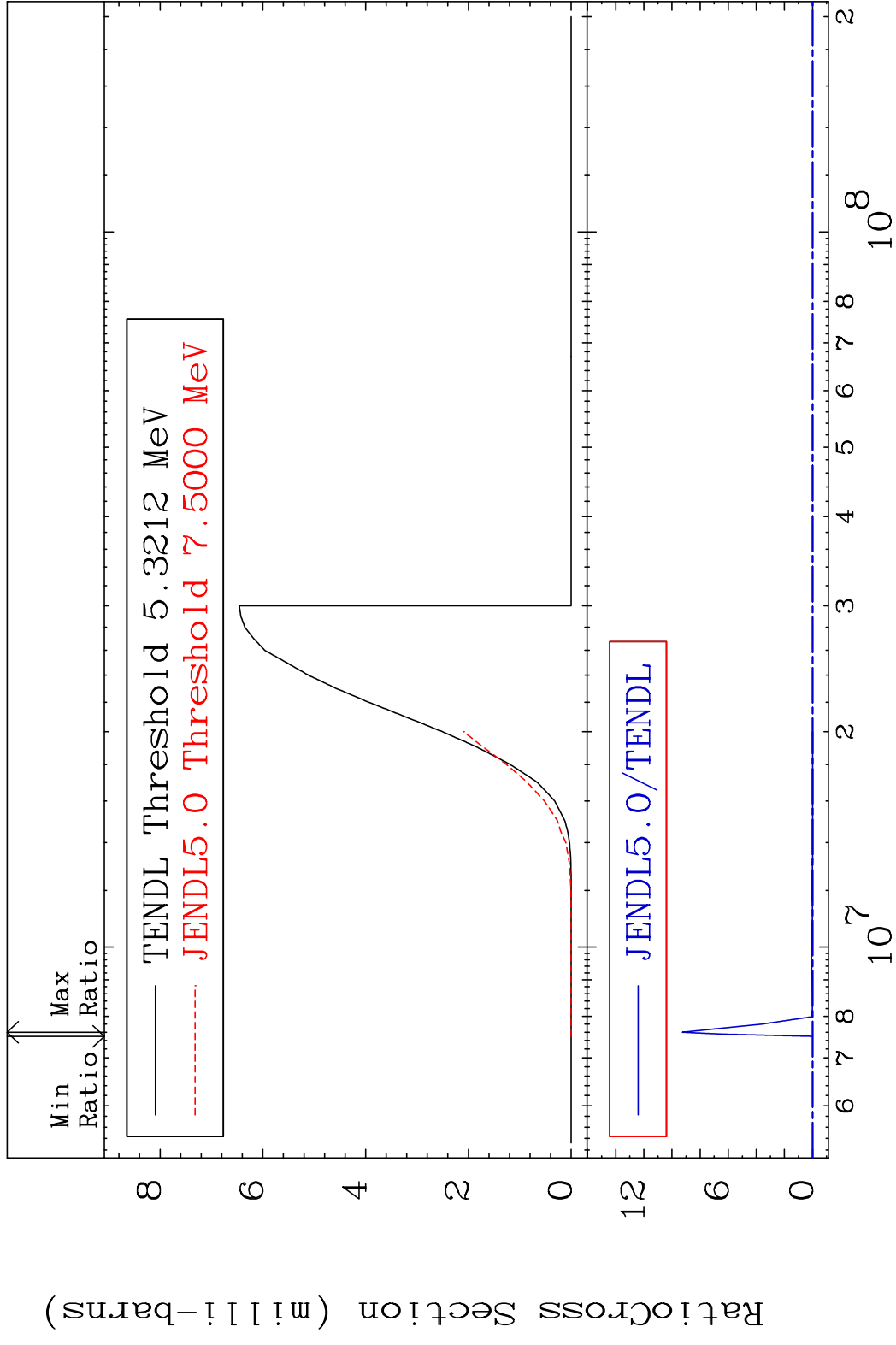


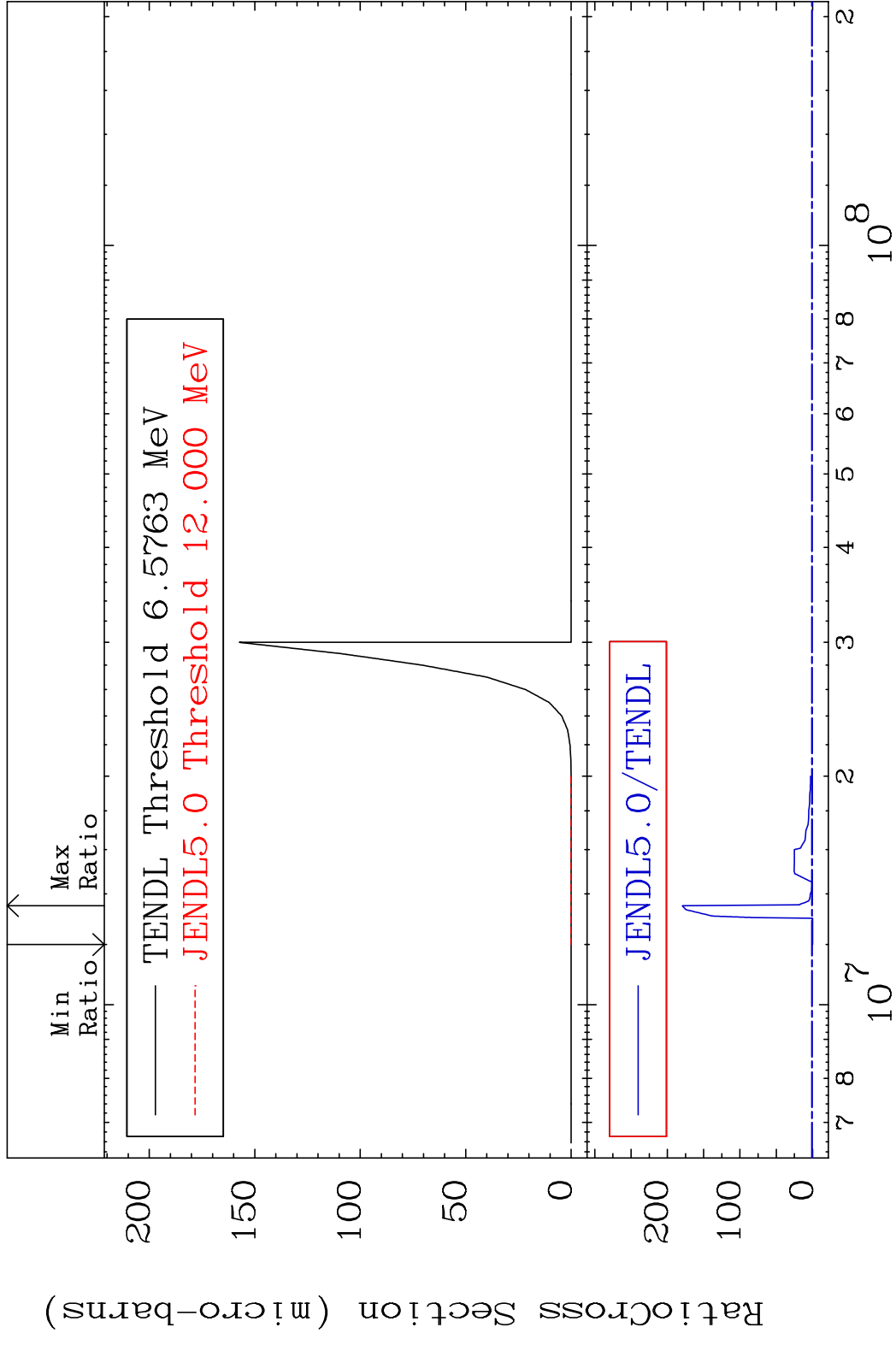


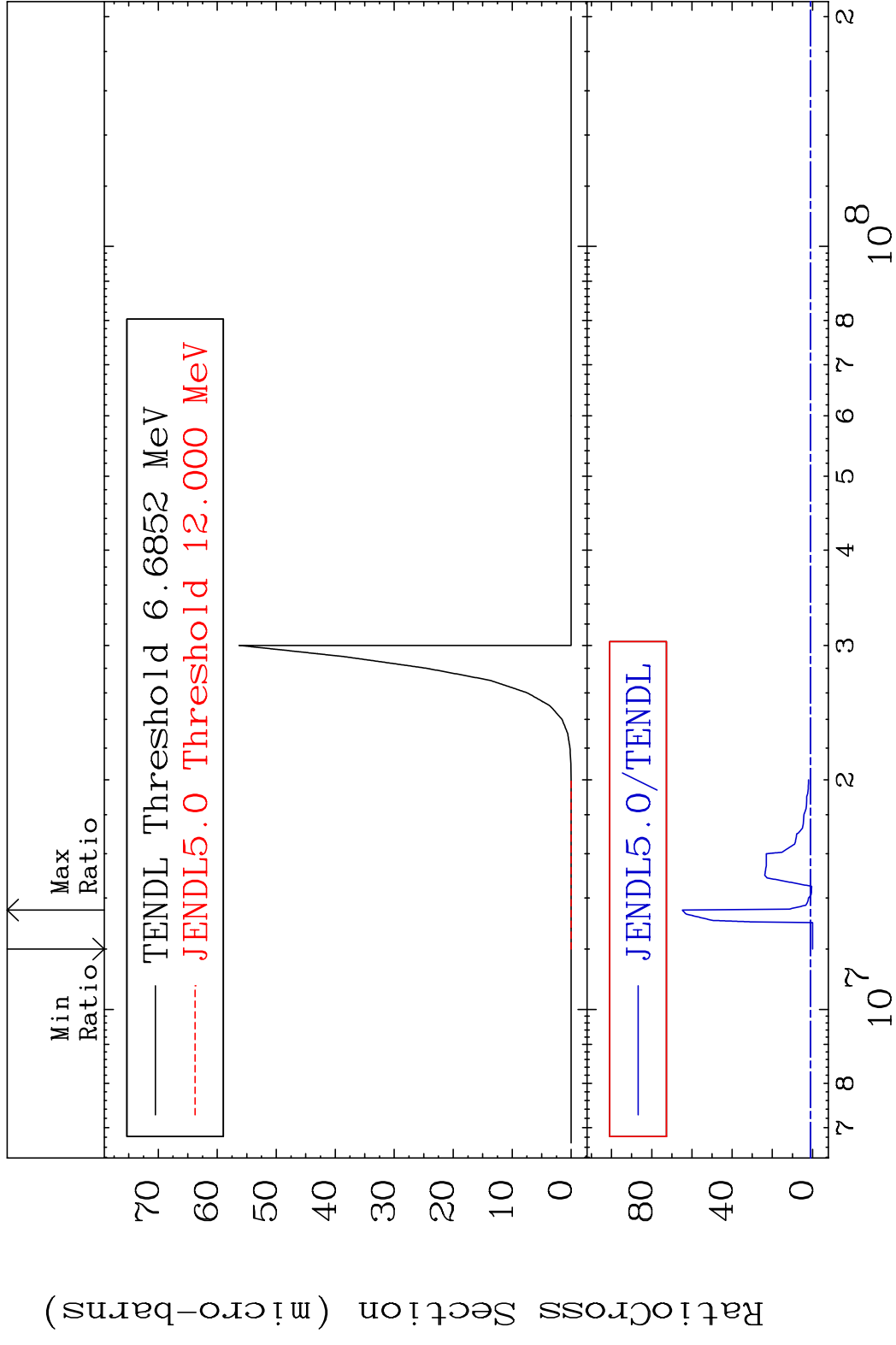




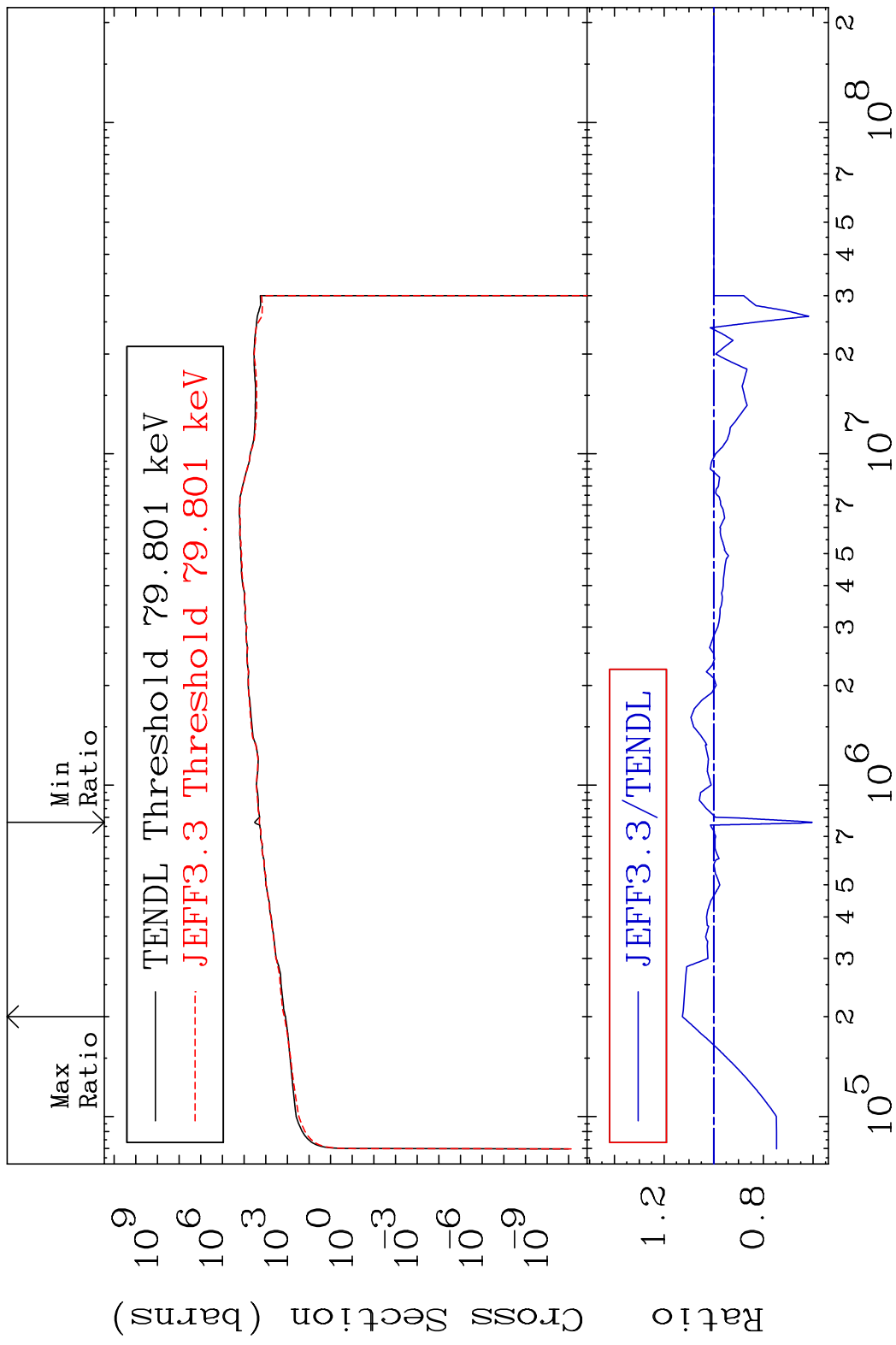




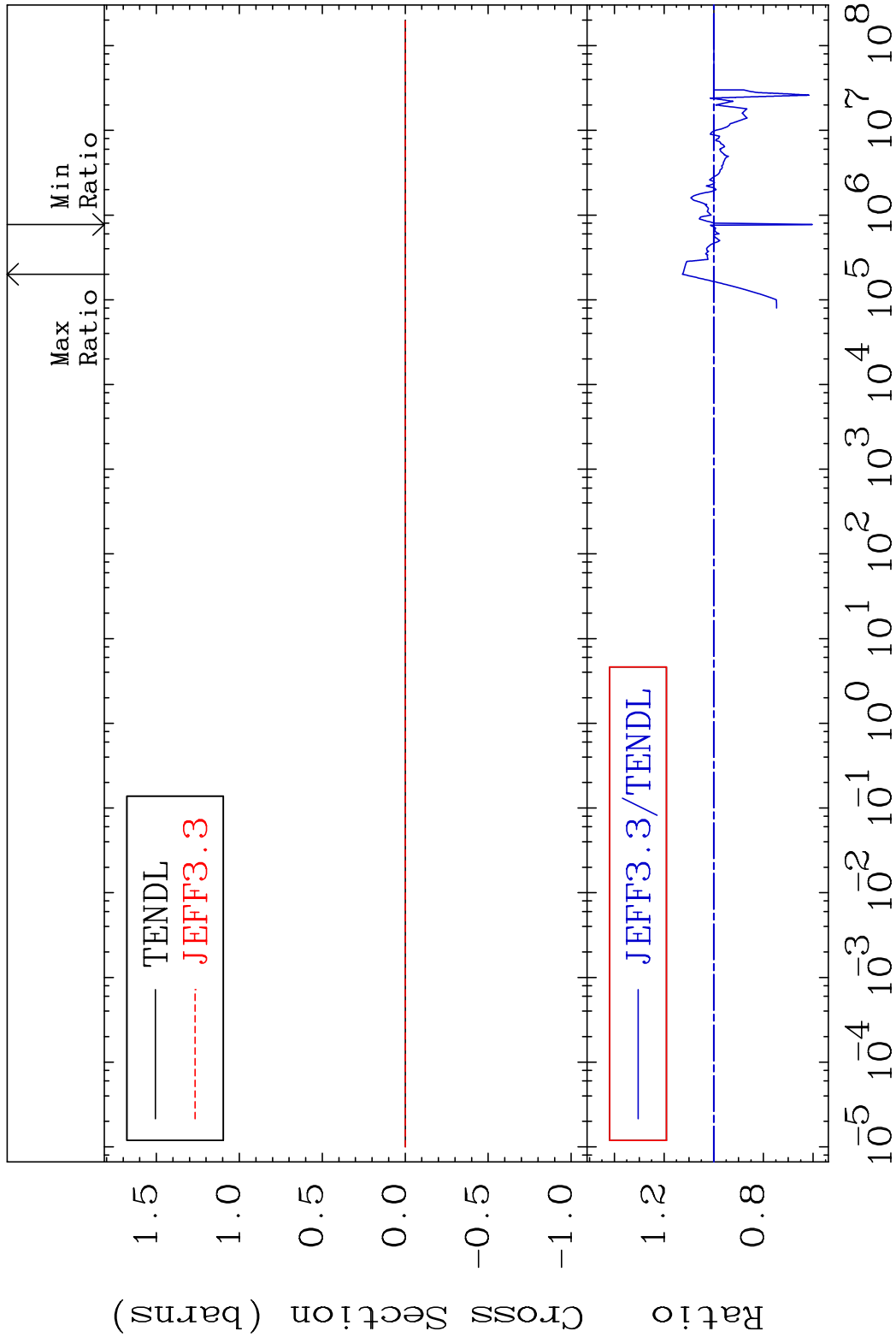




MAT 6840 Kerma inelastic (mt51-91) 68-Er-167  
 Cross Section -39.77 To 12.64 %

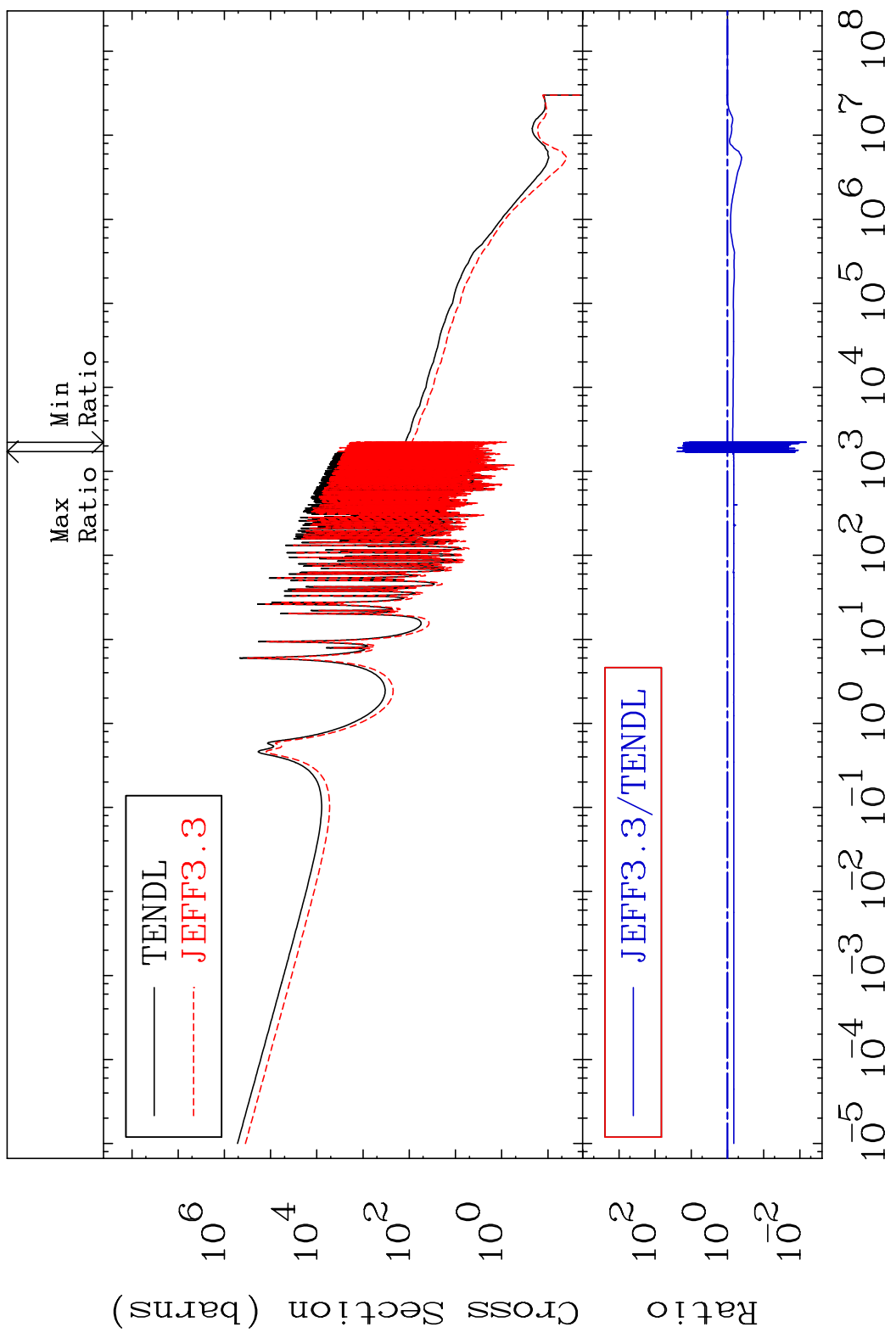


MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section -39.77 To 12.64 %



MAT 6840

Kerma capture (mt102) 68-Er-167  
Cross Section -99.34 To 2358. %



69

Incident Energy (eV)

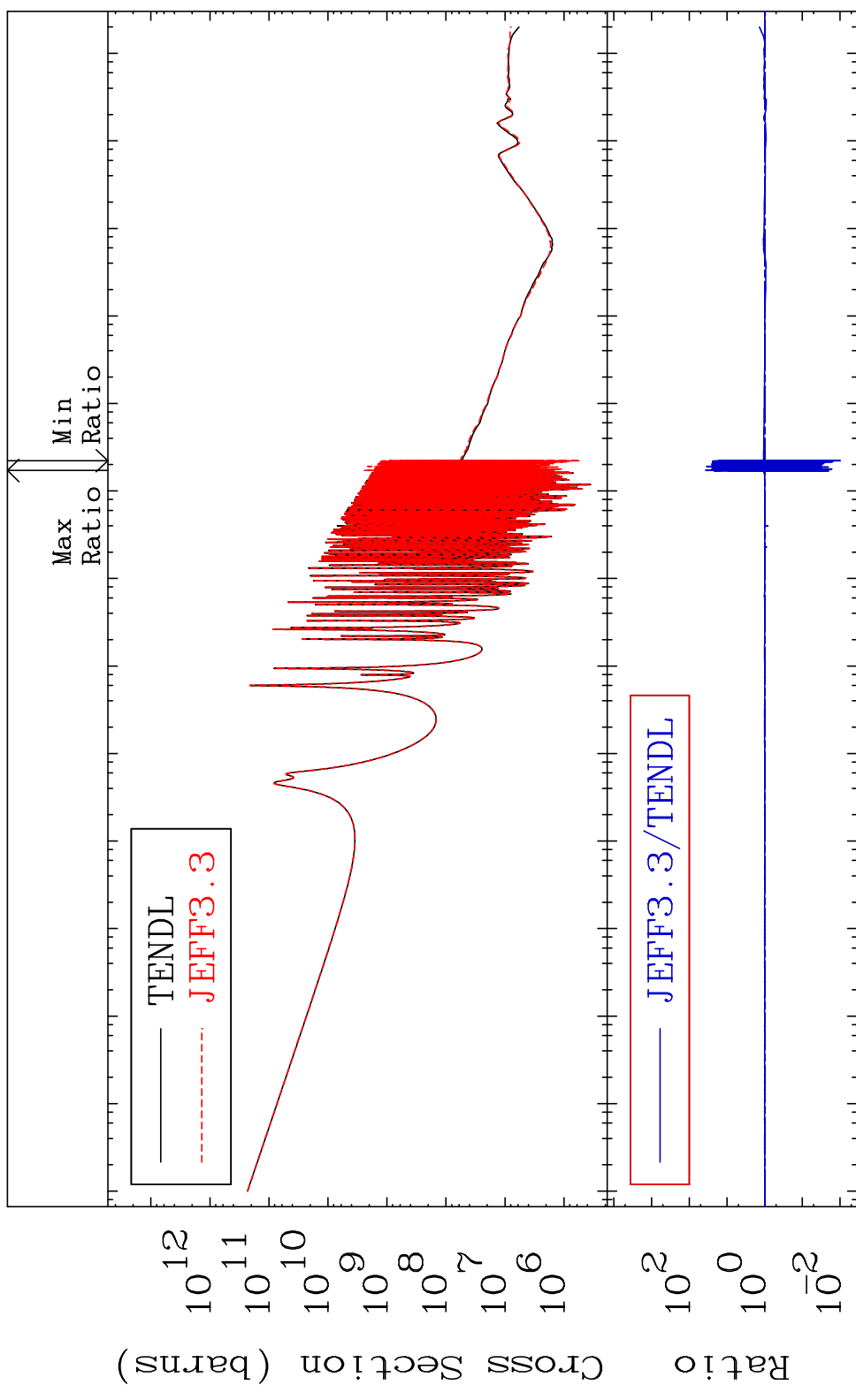
68-Er-167

MAT 6840

Total photon (eV-barns)

68-Er-167

Cross Section -99.02 To 3553. %

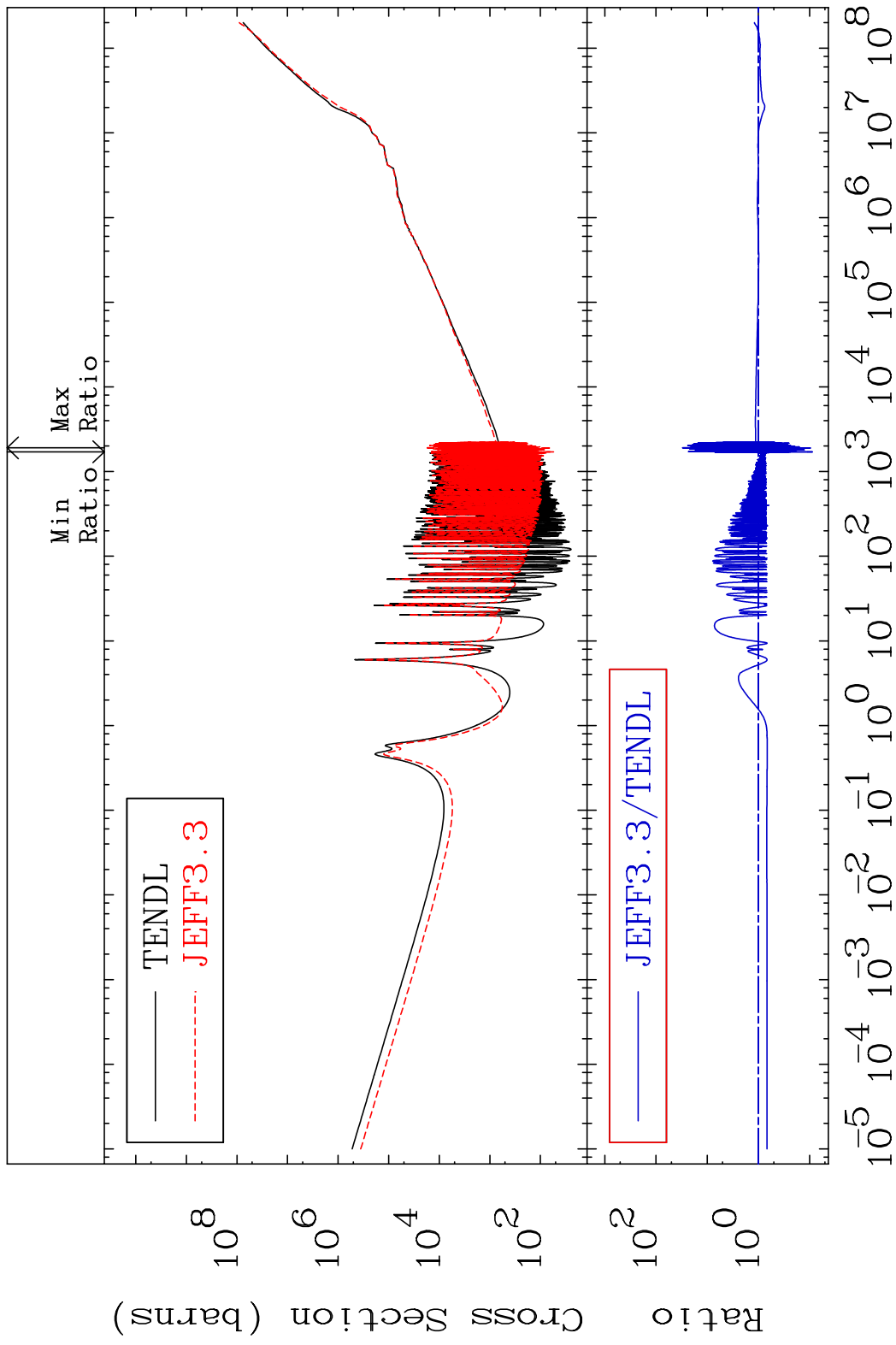


70

Incident Energy (eV)

68-Er-167

MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
 Cross Section -91.26 To 2955. %



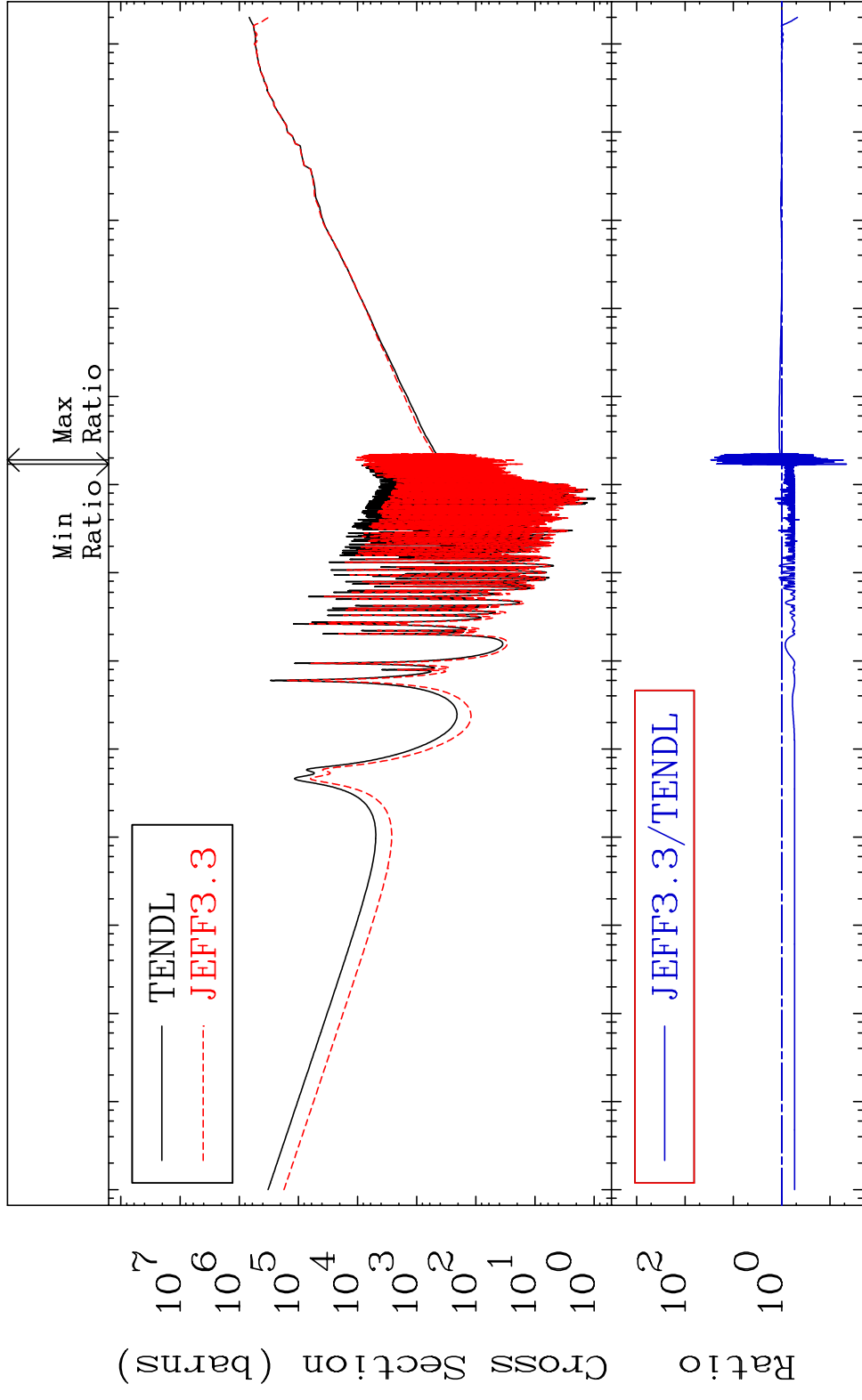


MAT 6840

Dpa total (eV-barns)

68-Er-167

Cross Section -95.41 To 2839. %



72

Incident Energy (eV)

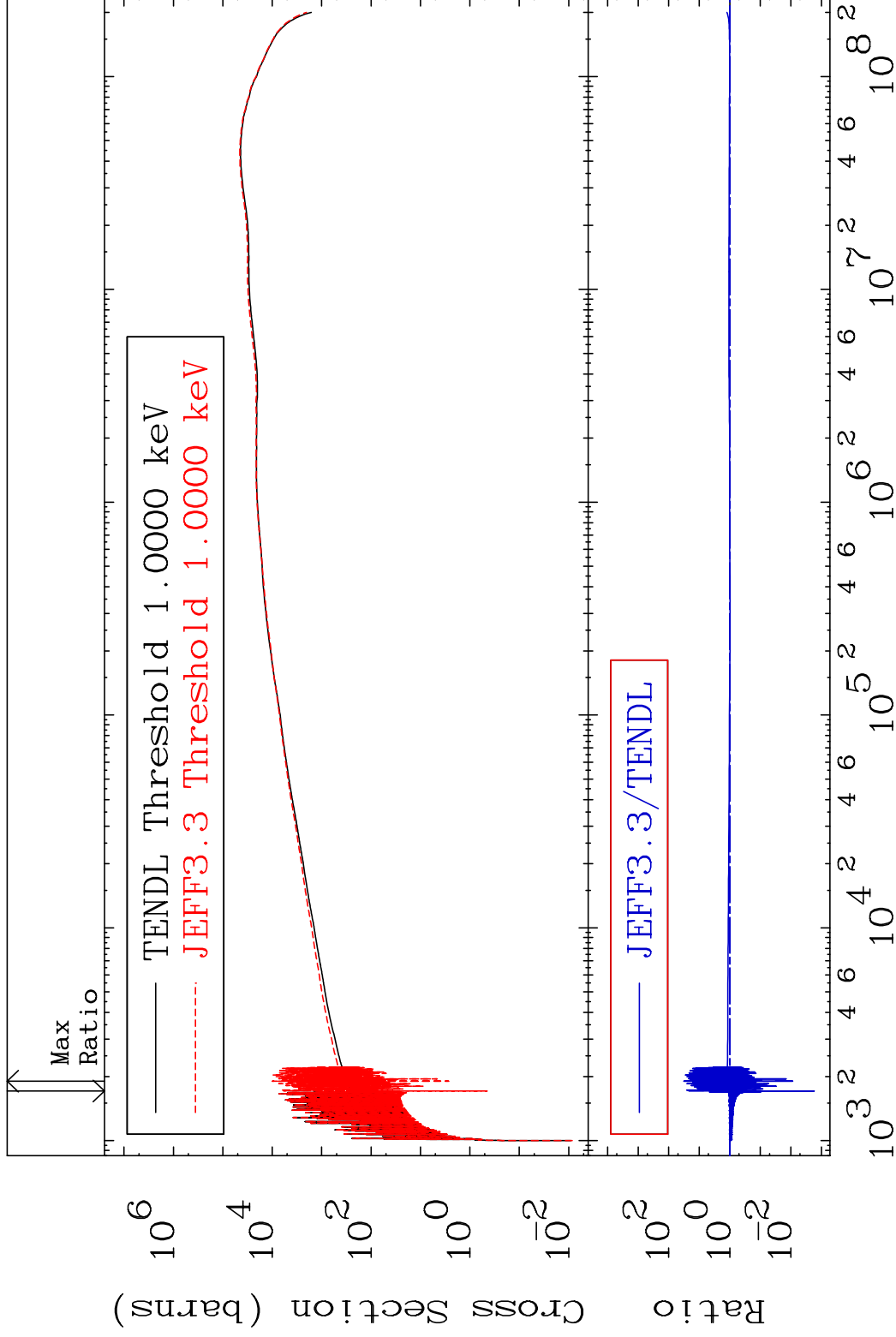
68-Er-167

MAT 6840

Dpa elastic (mt2)

68-Er-167

Cross Section -99.83 To 3139. %

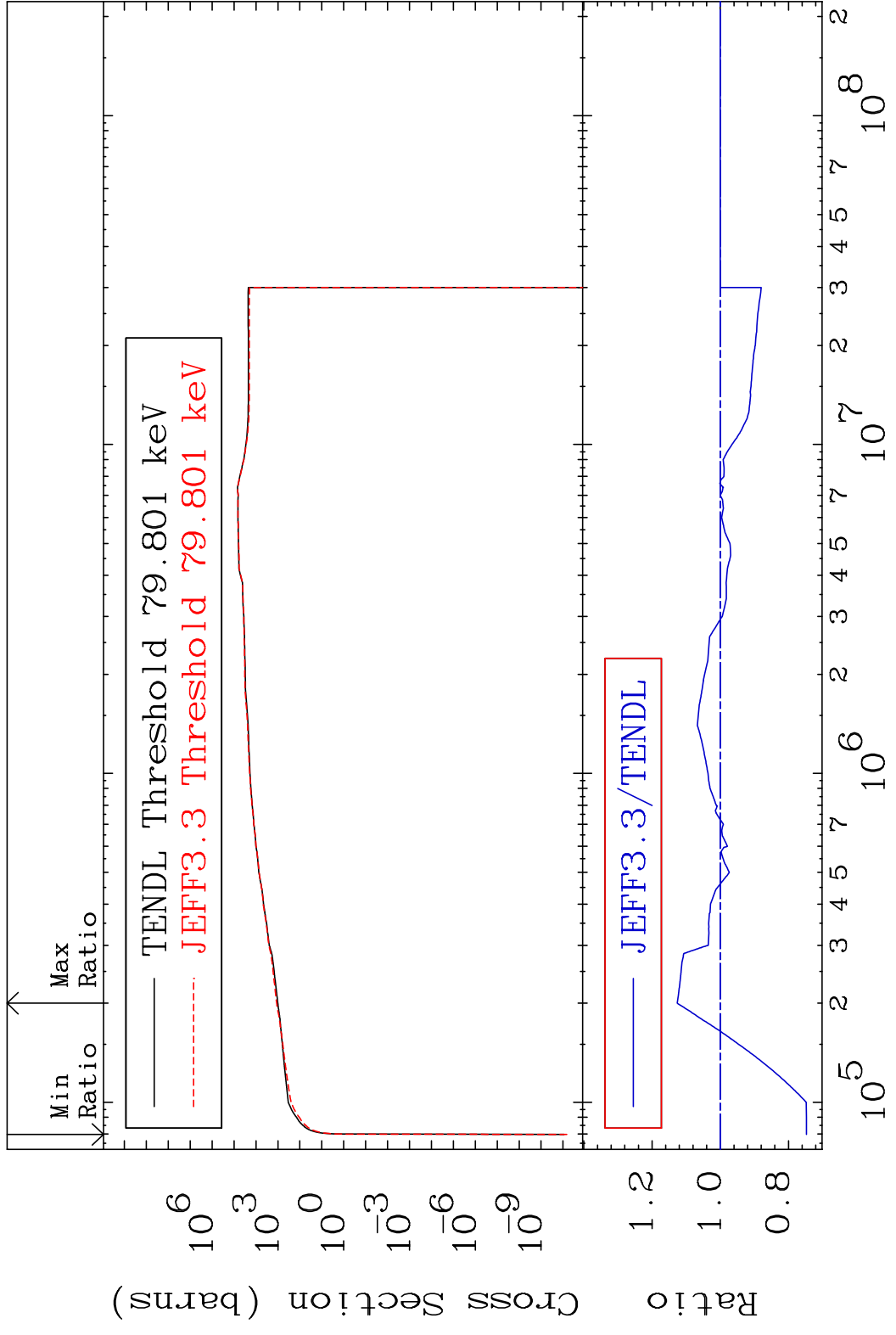


73

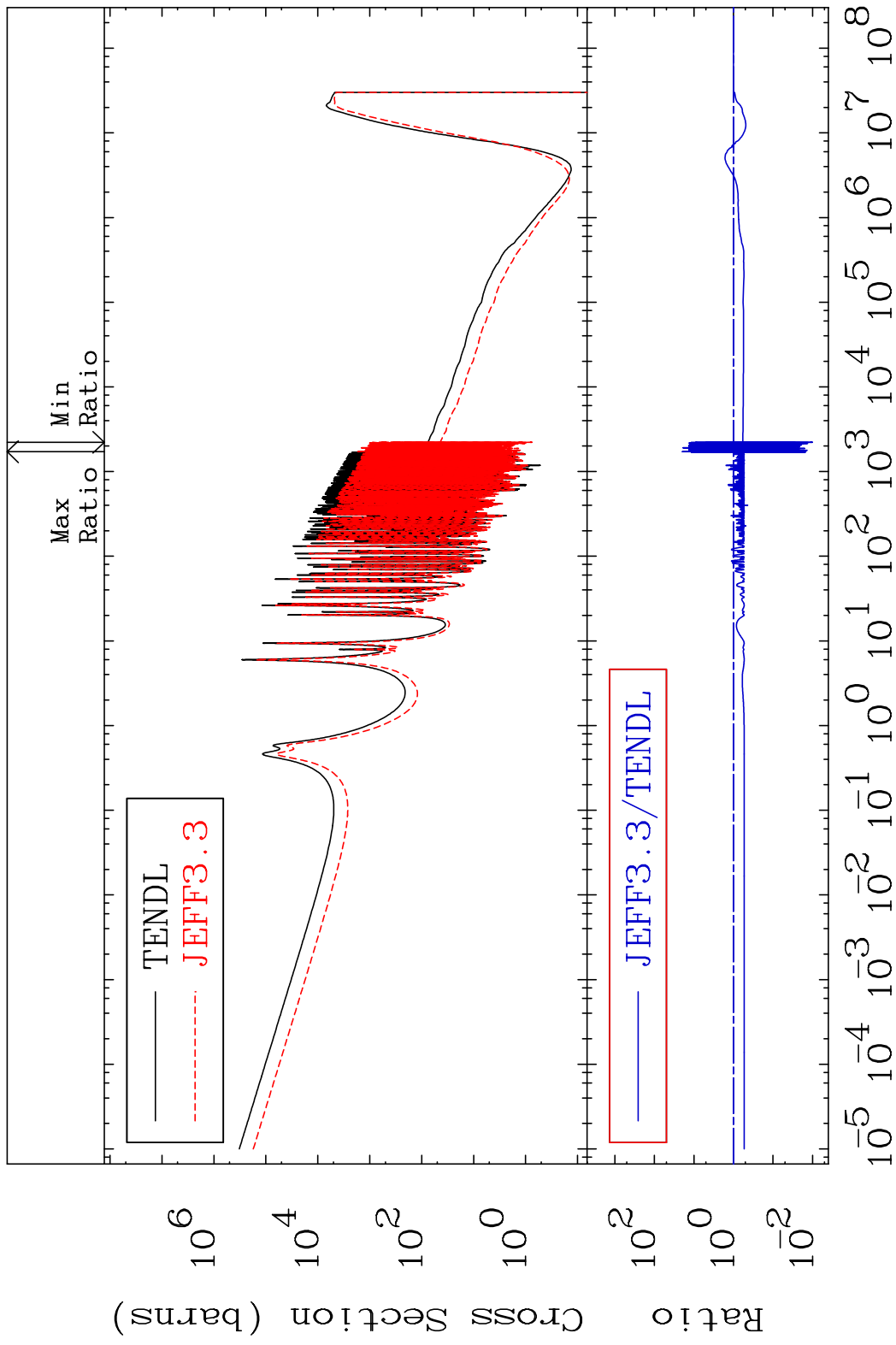
Incident Energy (eV)

68-Er-167

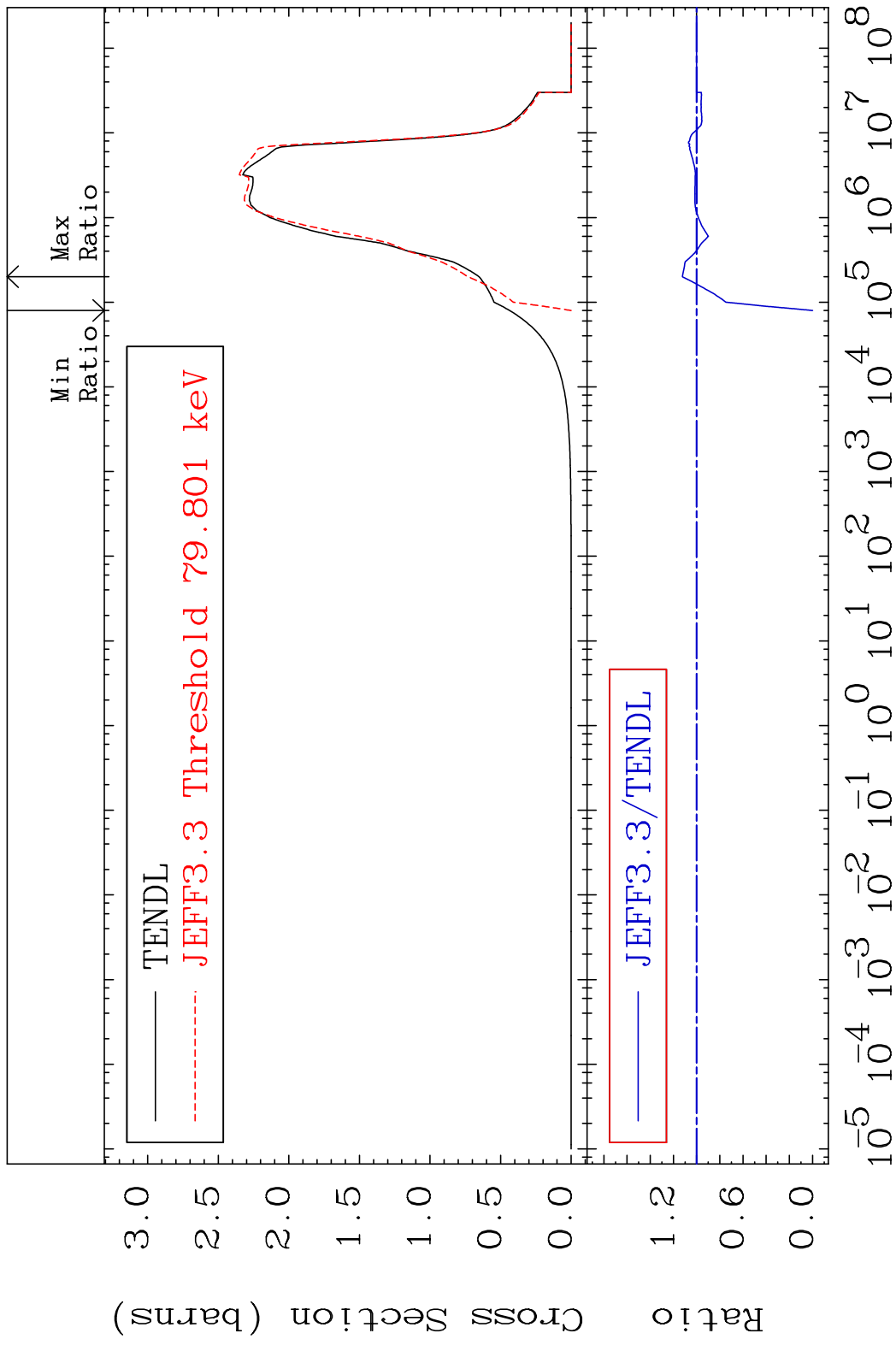
MAT 6840 Dpa inelastic (mt51-91) 68-Er-167  
 Cross Section -25.25 To 12.63 %

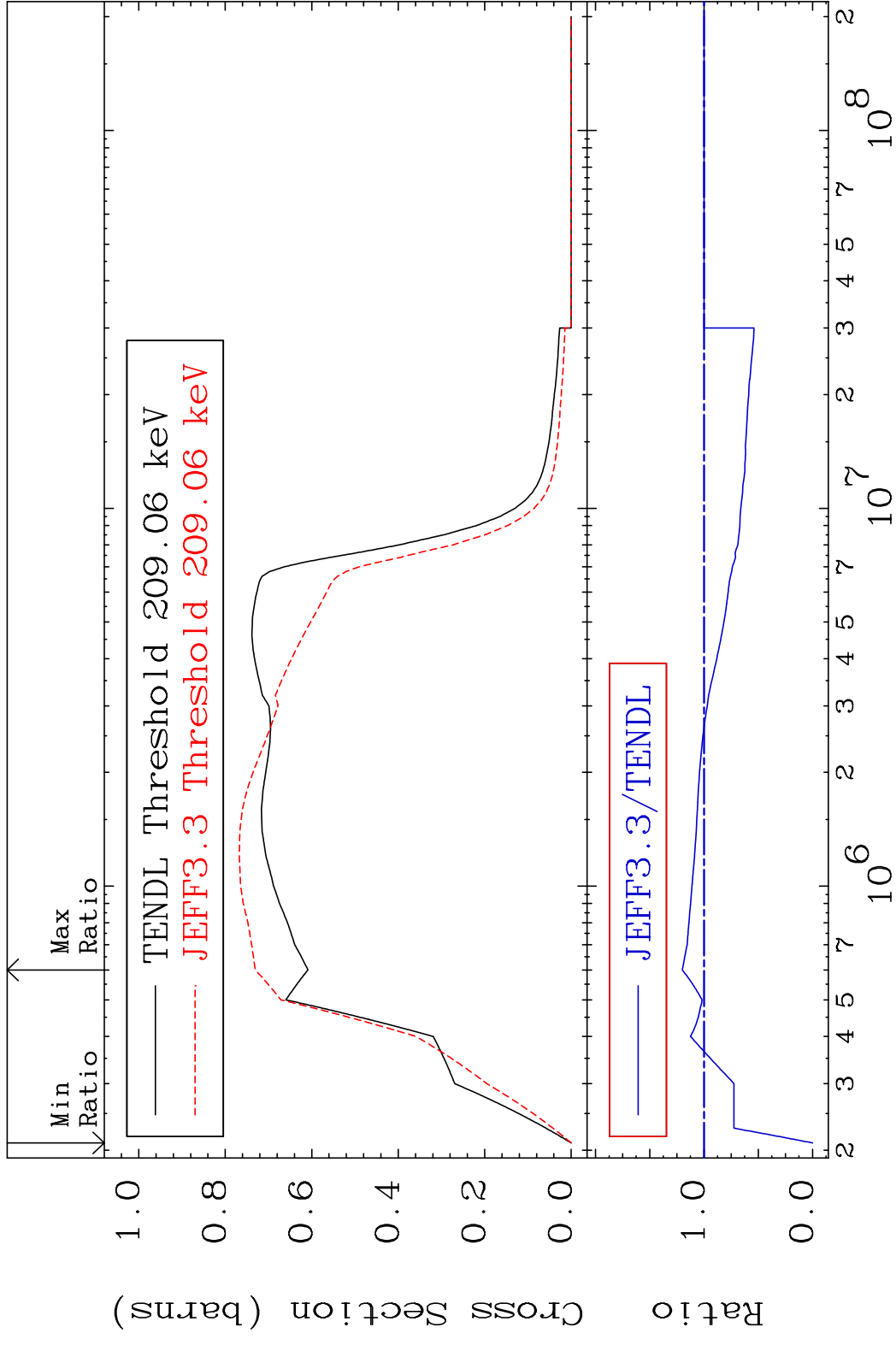


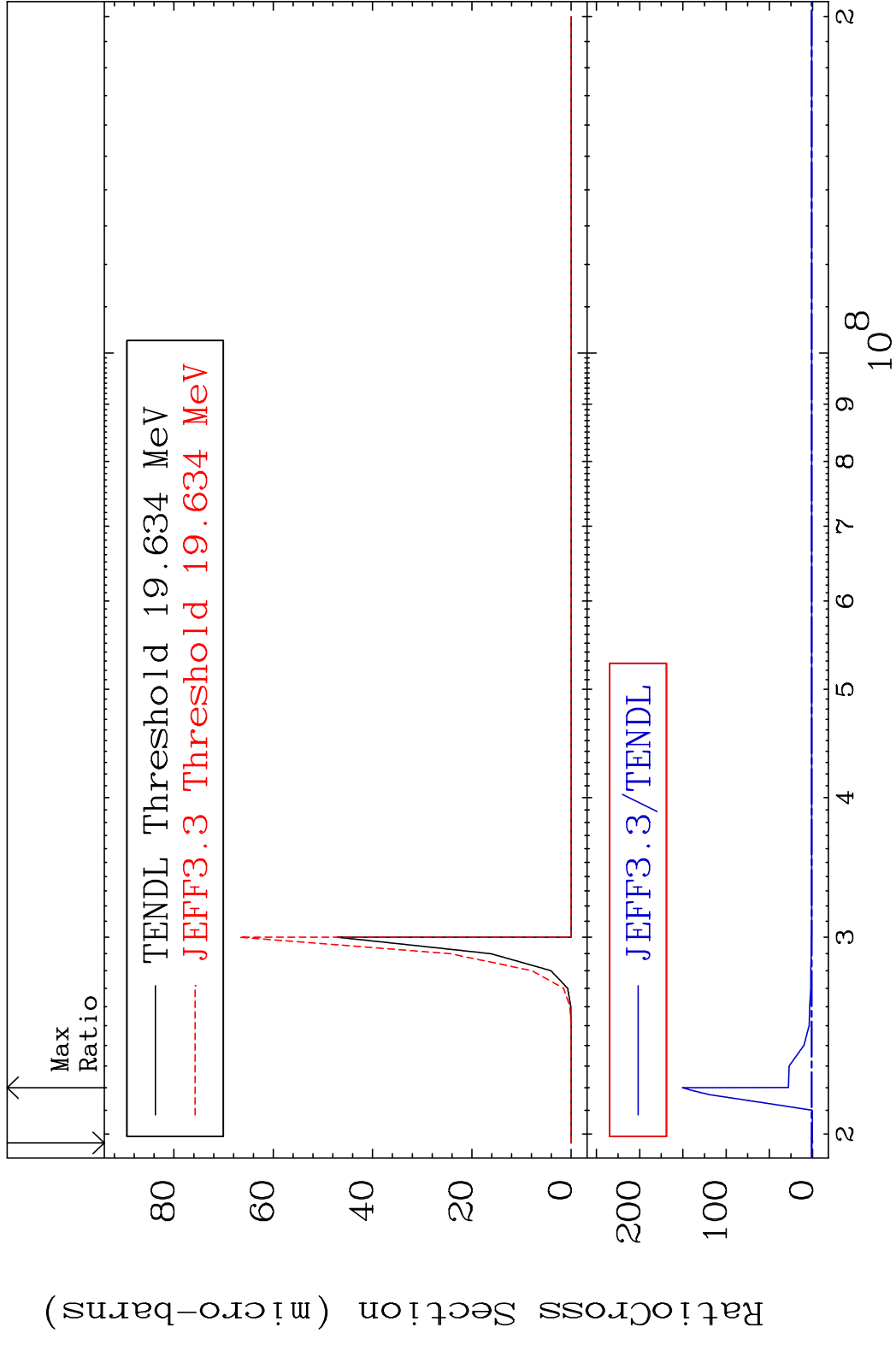
MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
 Cross Section -99.00 To 1868. %

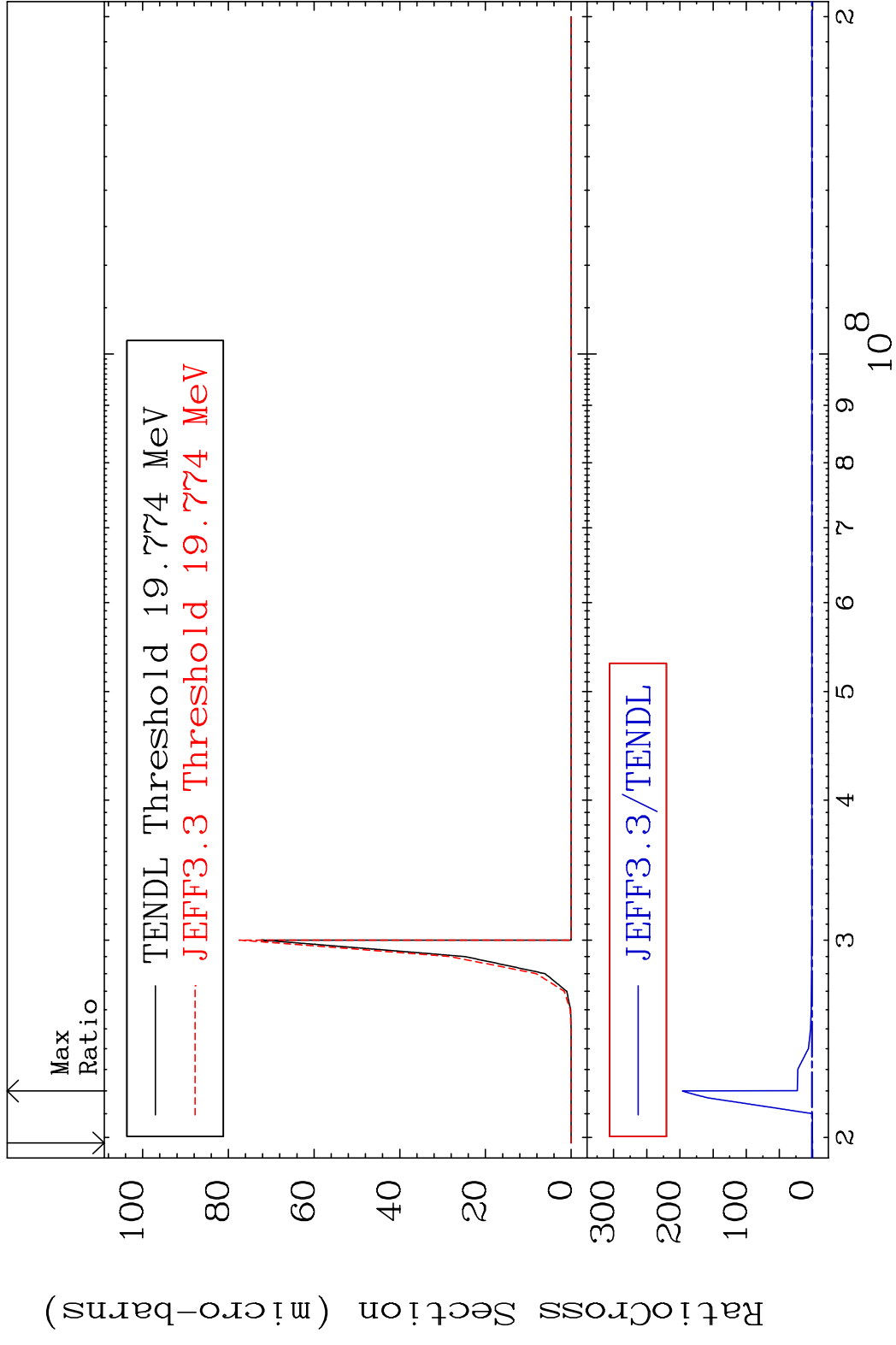


75 Incident Energy (eV) 68-Er-167

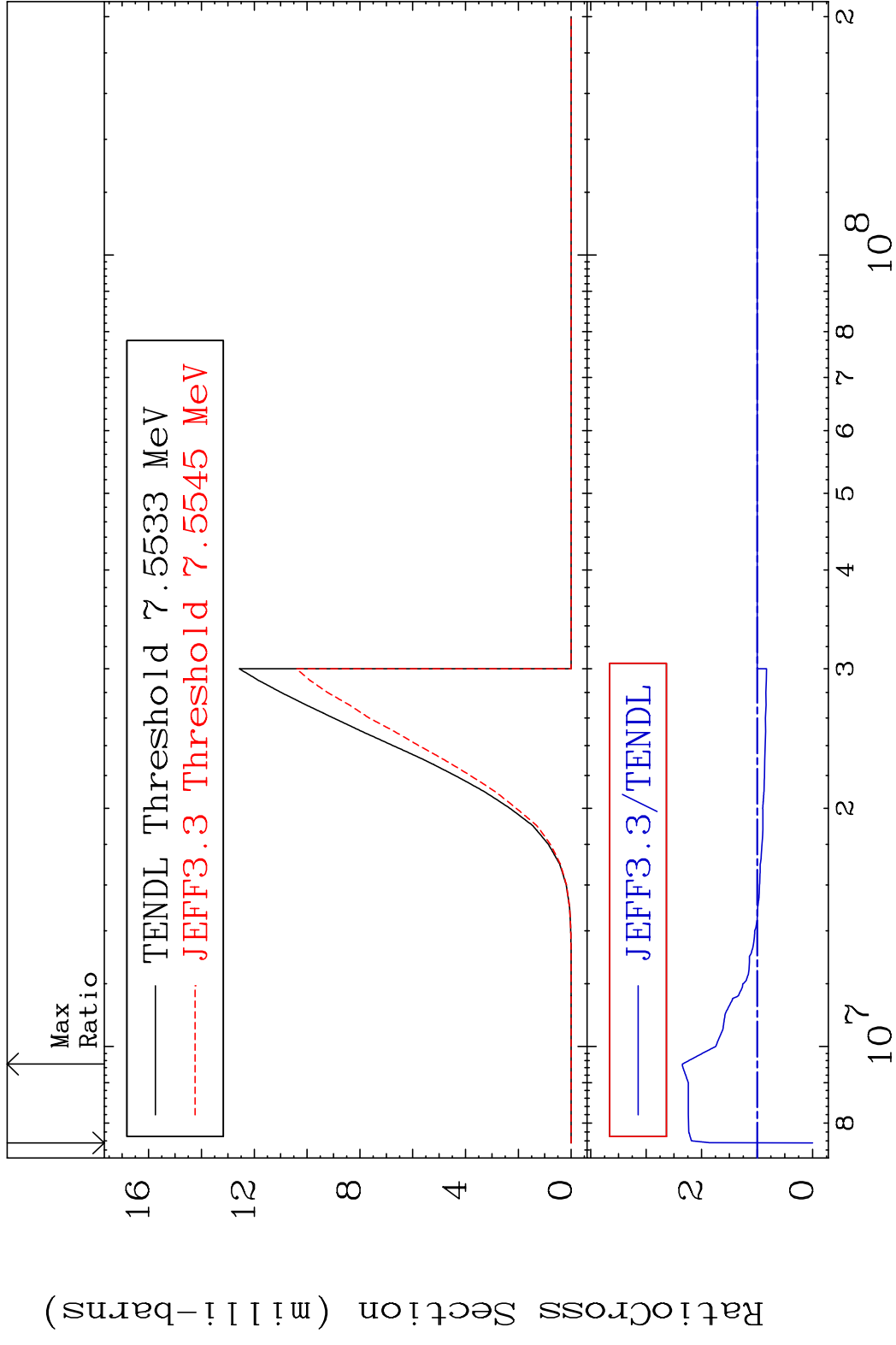


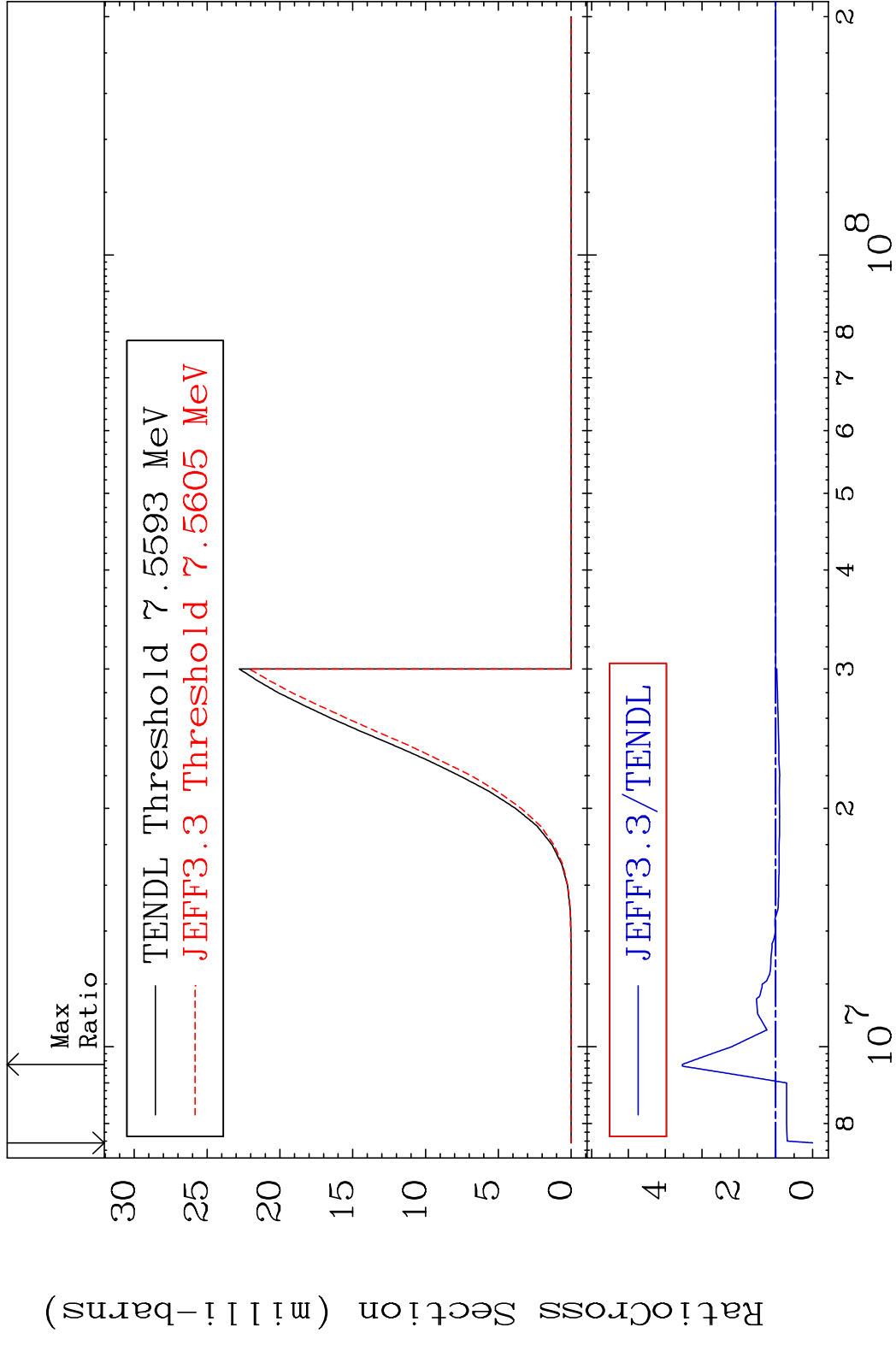


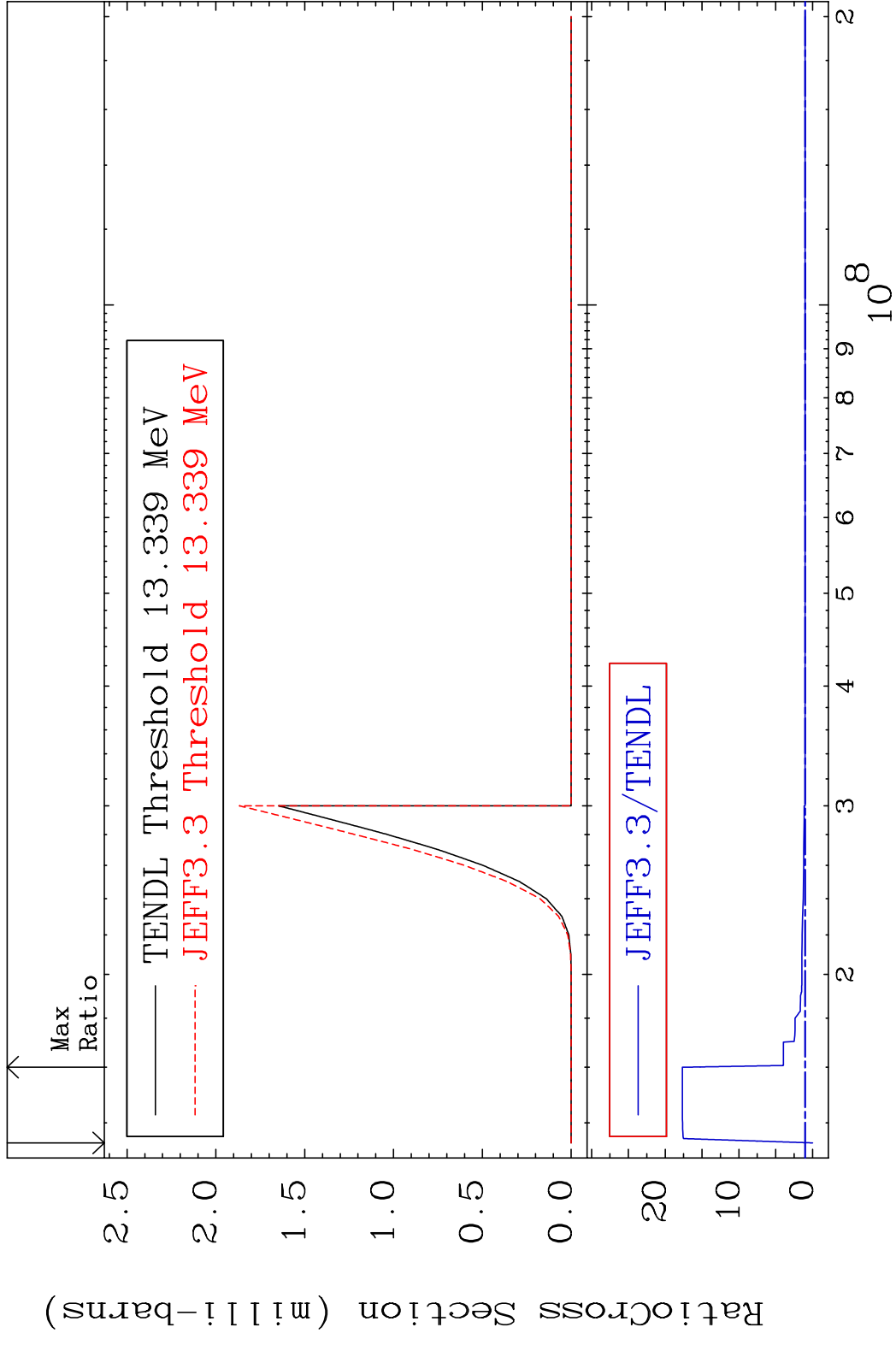




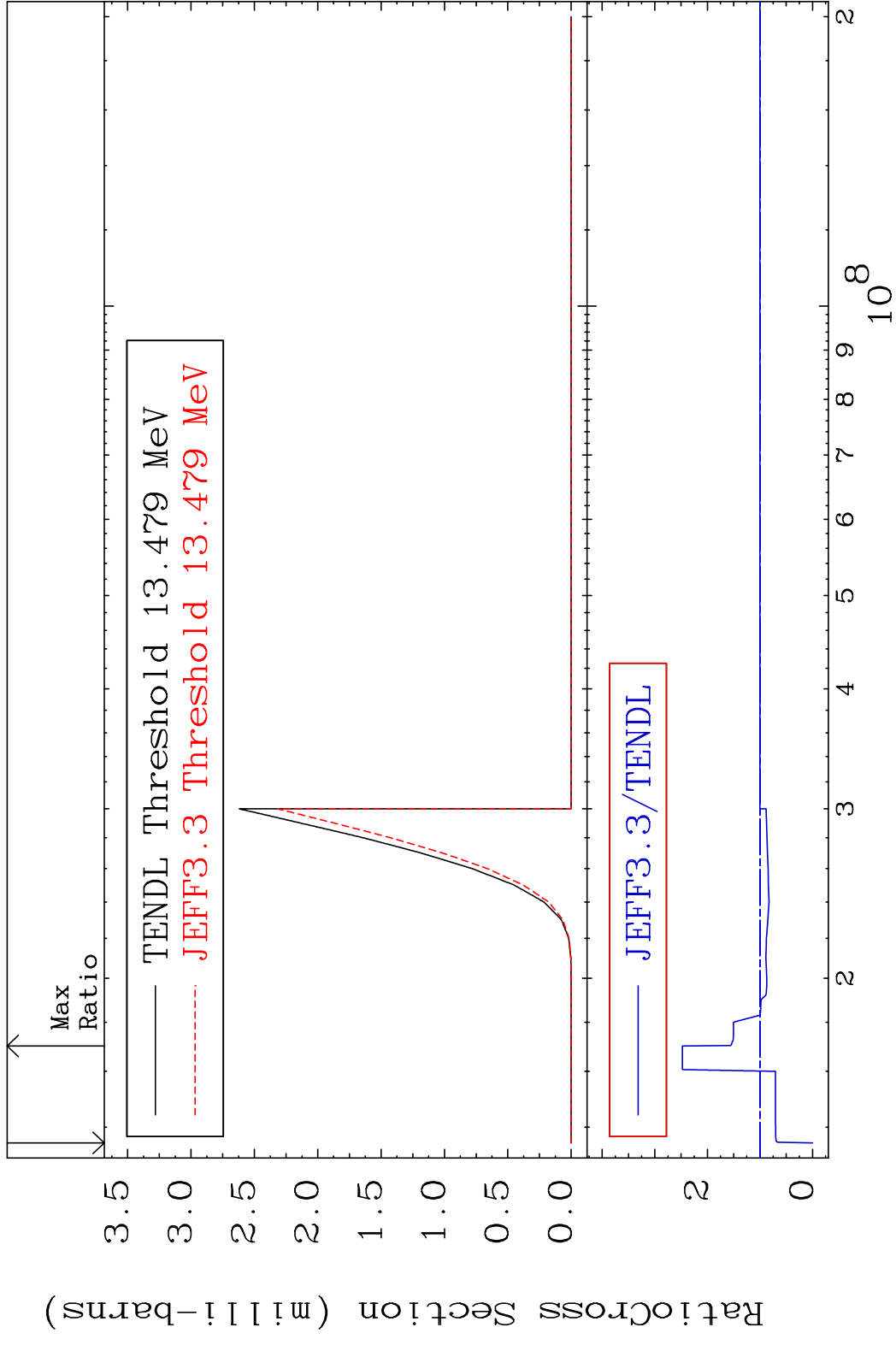


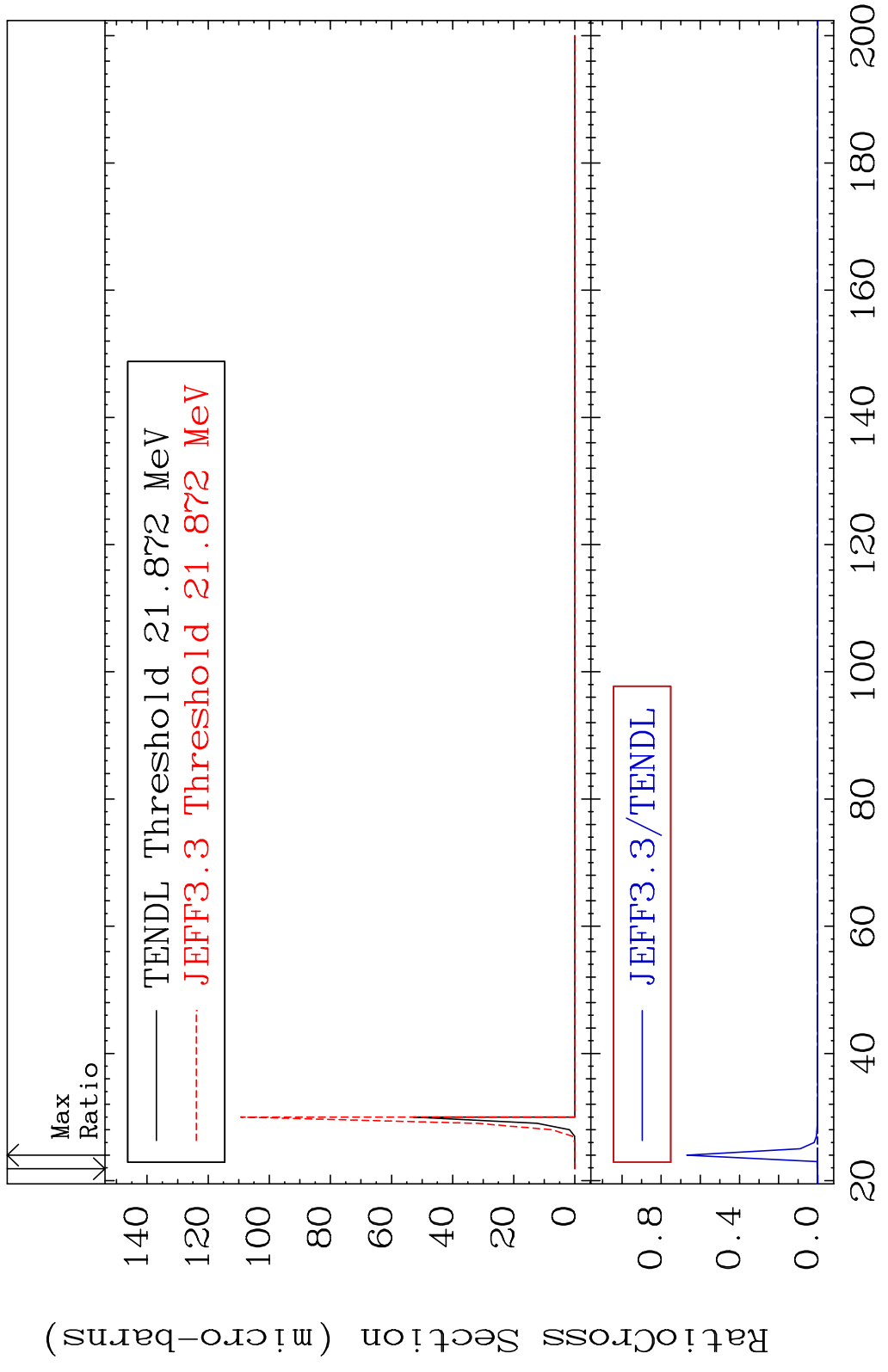


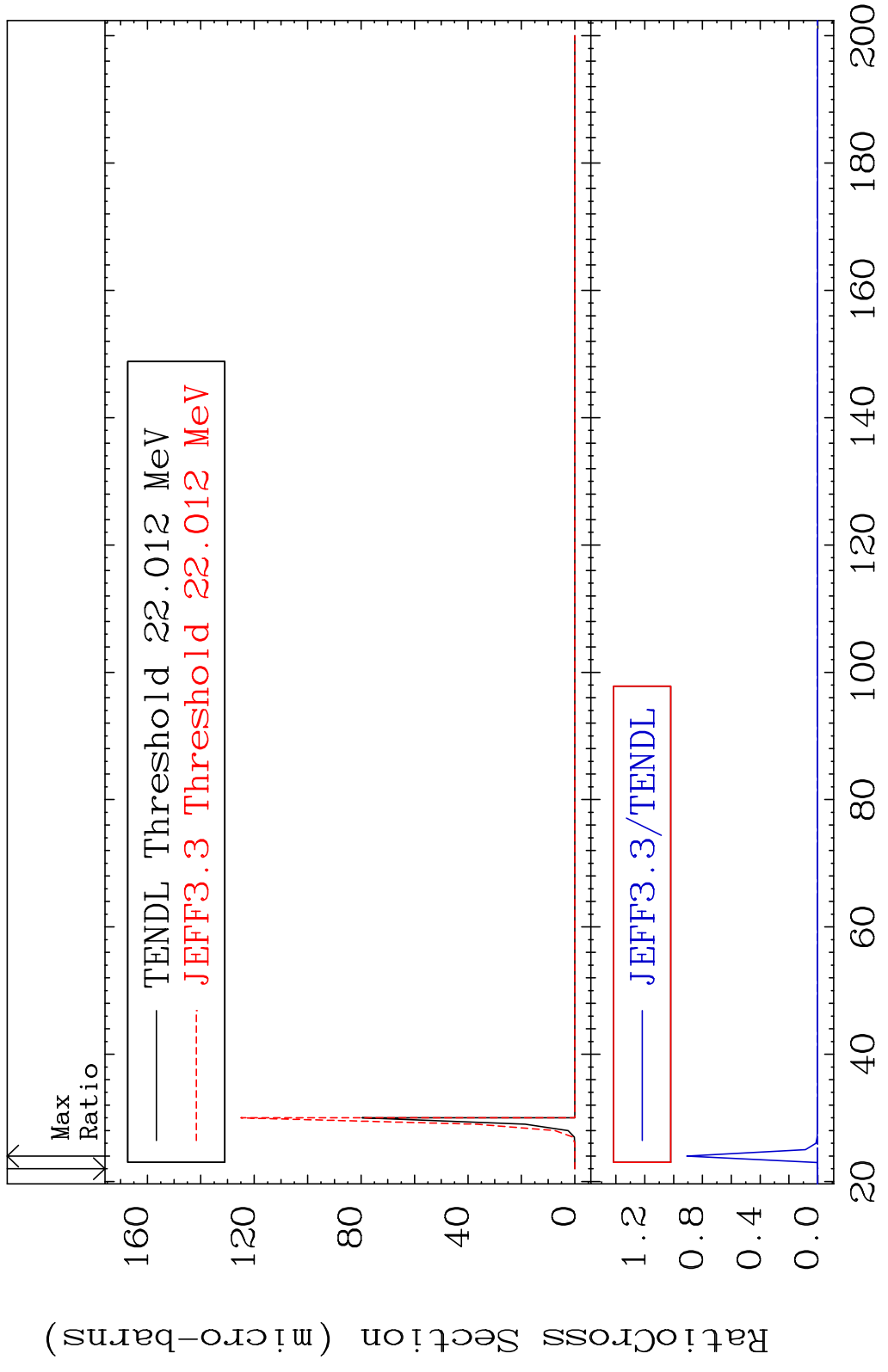


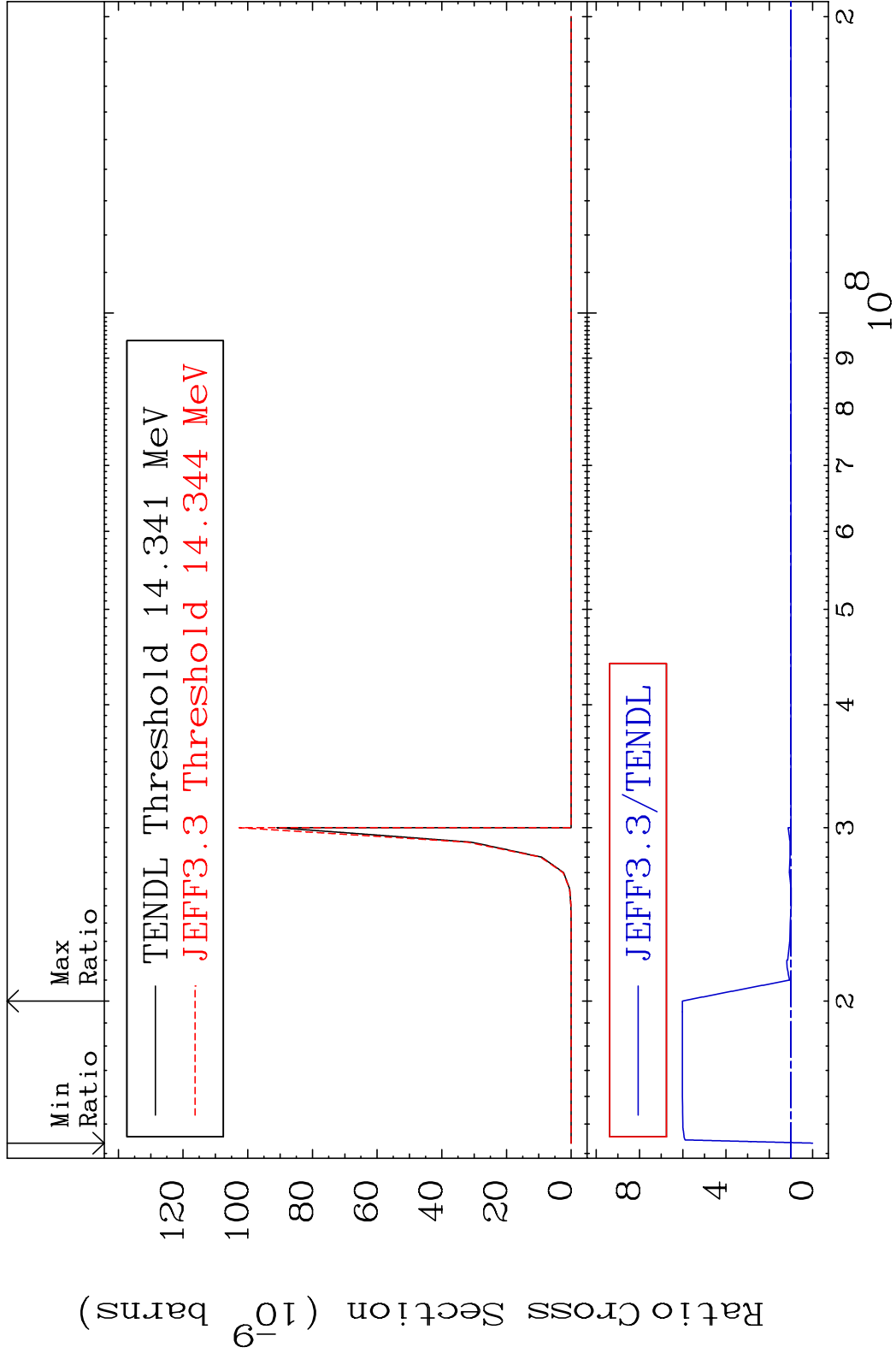


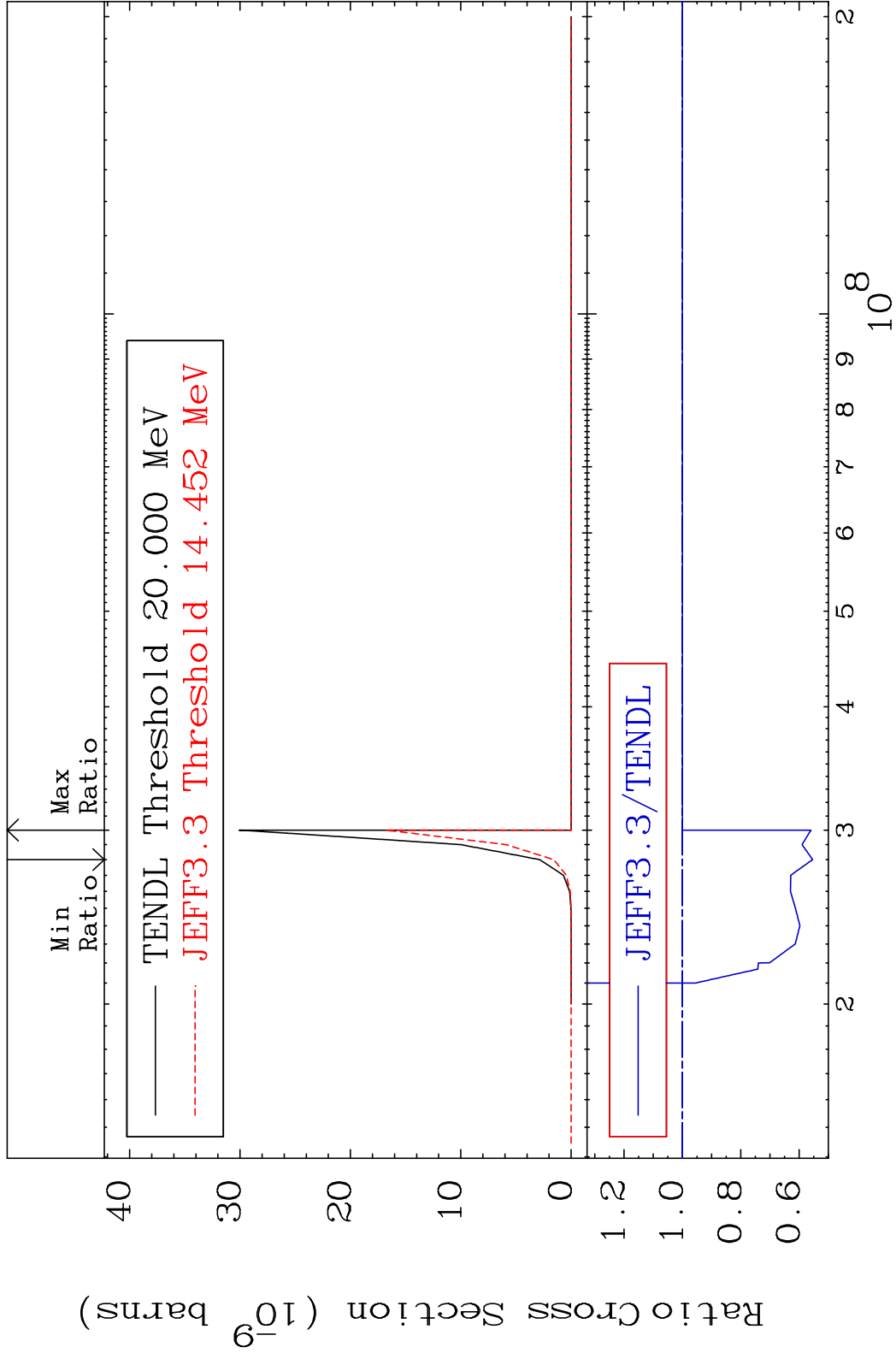
MAT 6840 (n, n') t:67-Ho-164m3 68-Er-167  
 Radionuclide Production Cross Section 180.0 dth 147.6 %



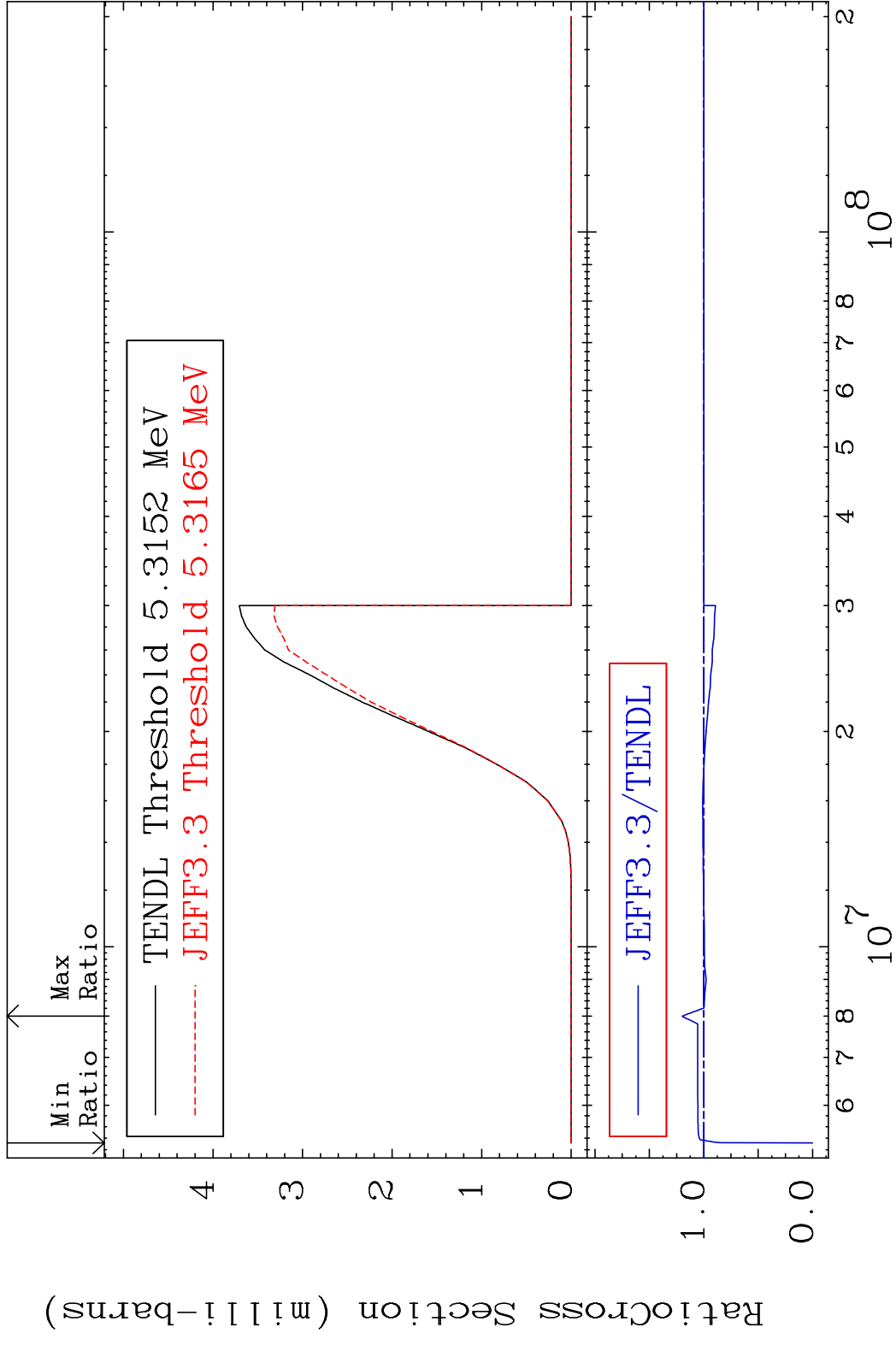


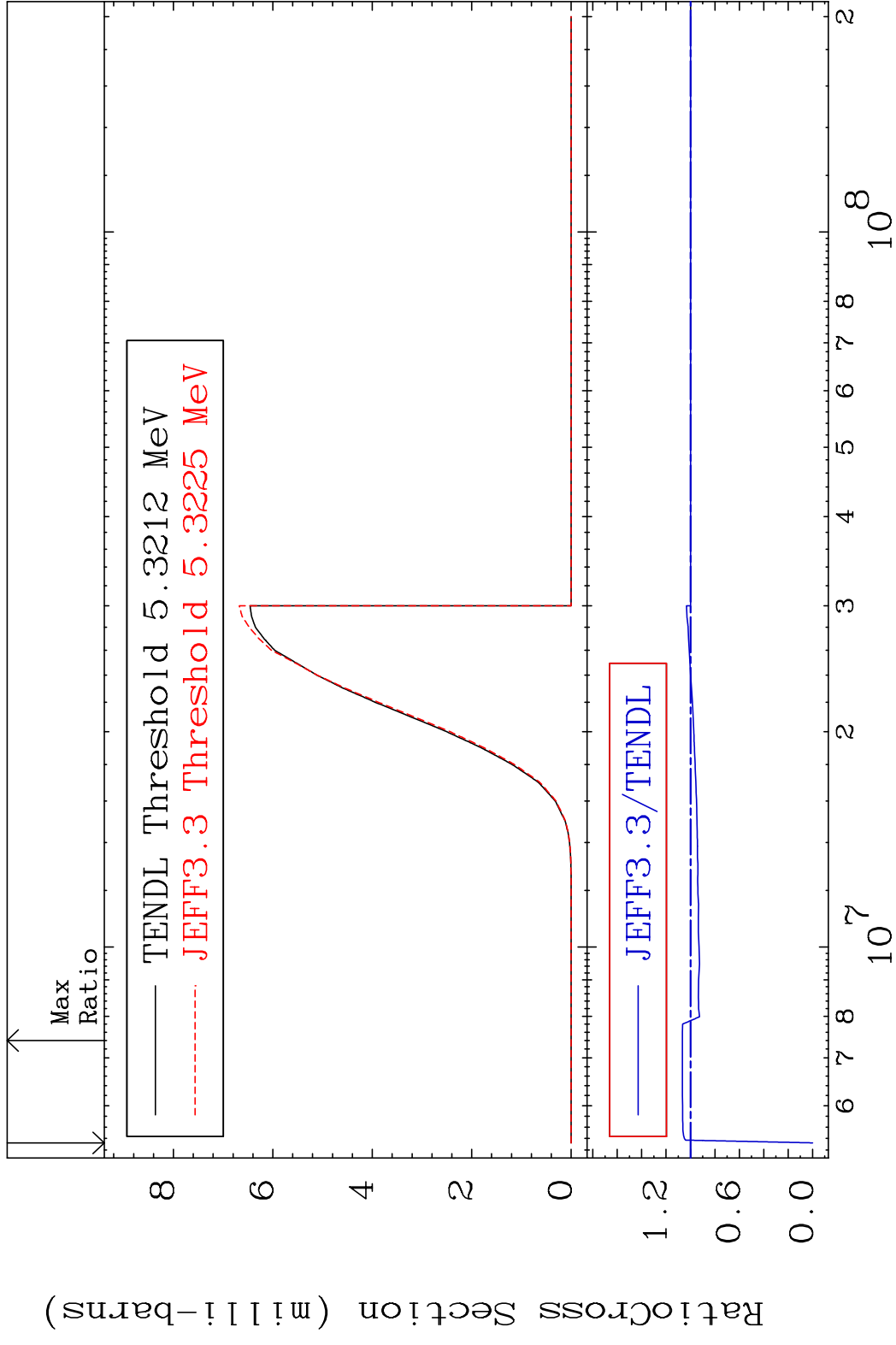












MAT 6840 (n, He-3) : 66-Dy-165g 68-Er-167  
 Radionuclide Production Cross Section 180.0 mb 14.57 %

