

Program Complot  
(Version 2021-1)

by

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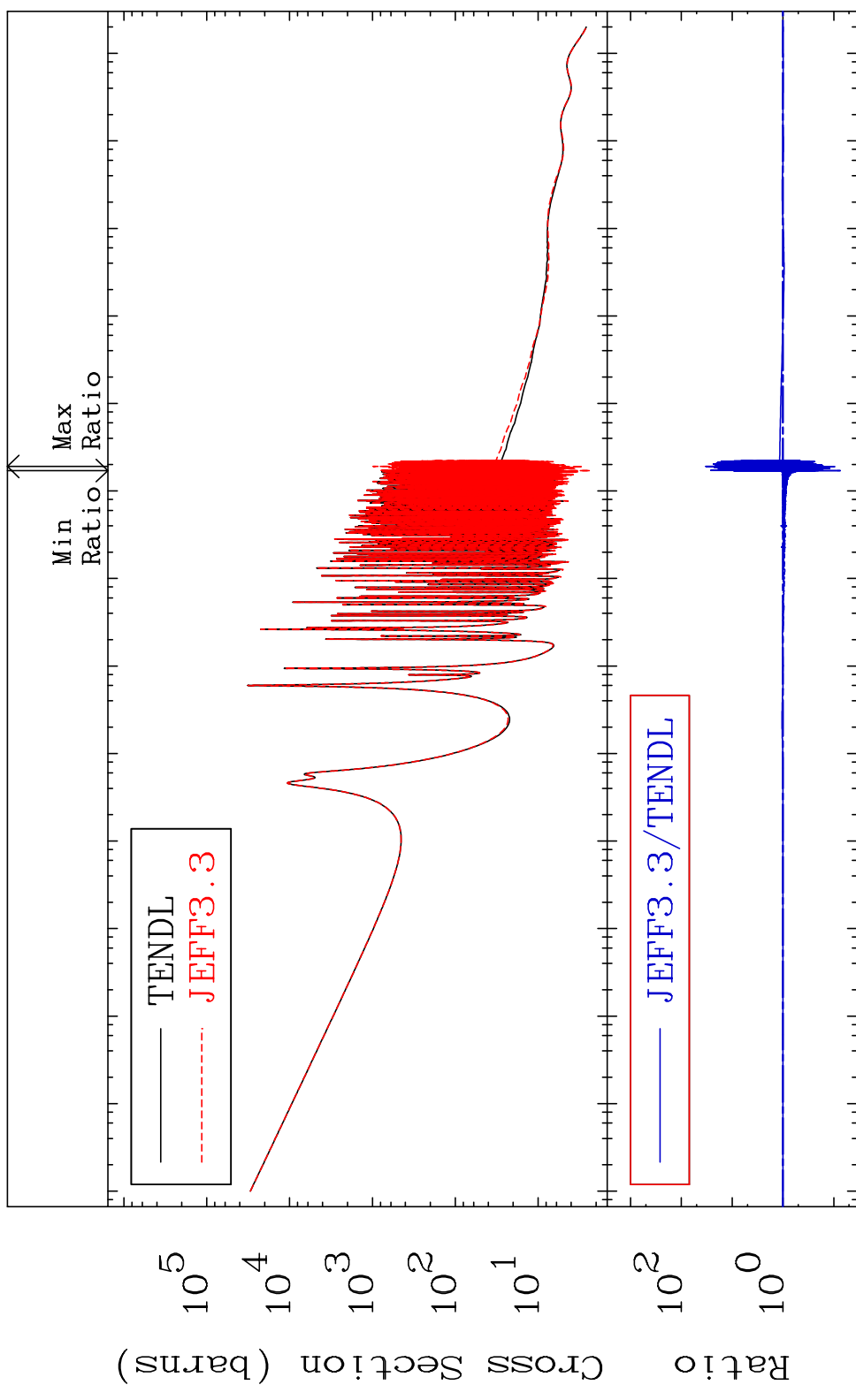
Press Mouse Button to Start

MAT 6840

Total

68-Er-167

Cross Section -92.60 To 3207. %



1

Incident Energy (eV)

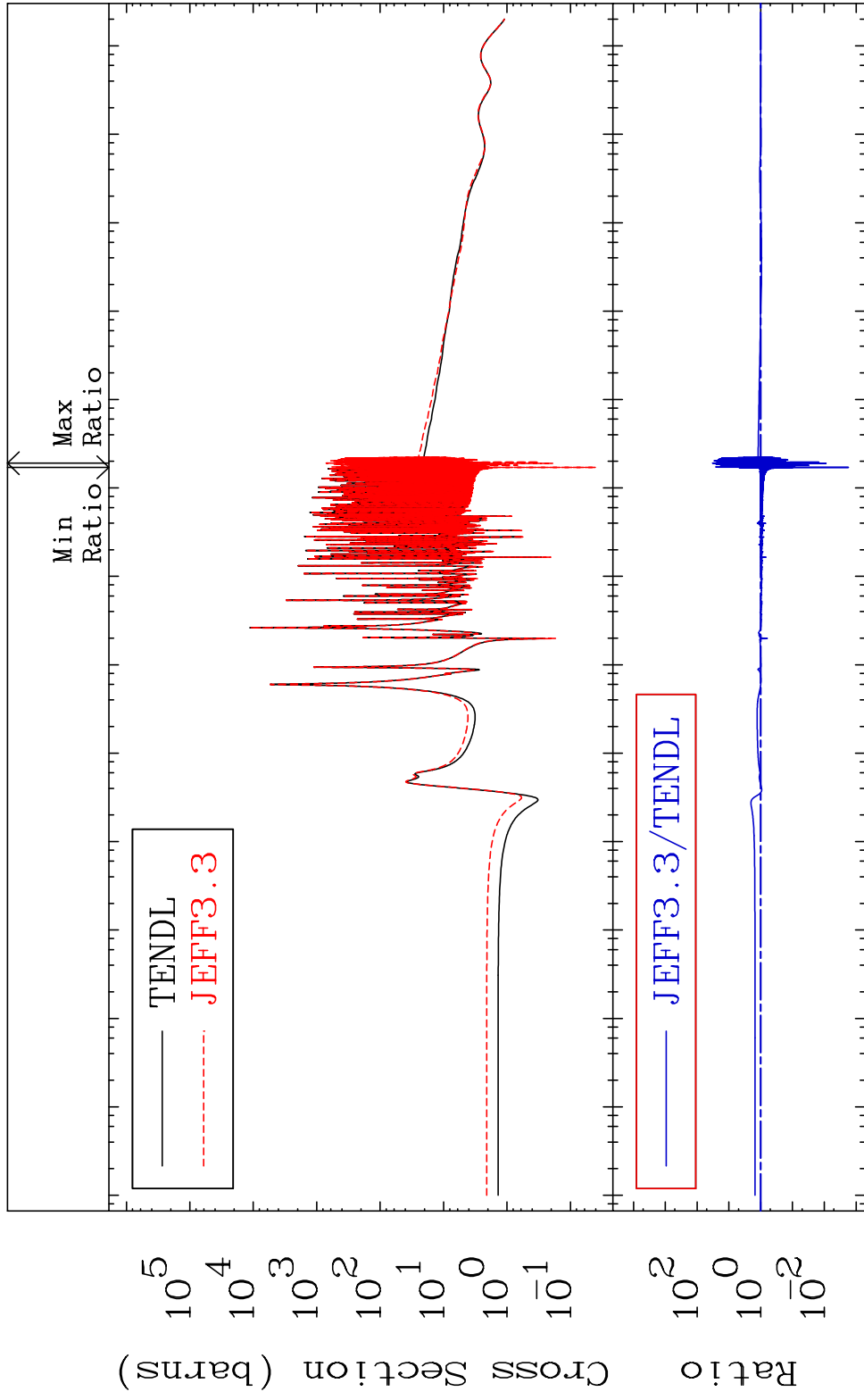
68-Er-167

MAT 6840

Elastic

68-Er-167

Cross Section -99.82 To 3213. %



2

Incident Energy (eV)

68-Er-167

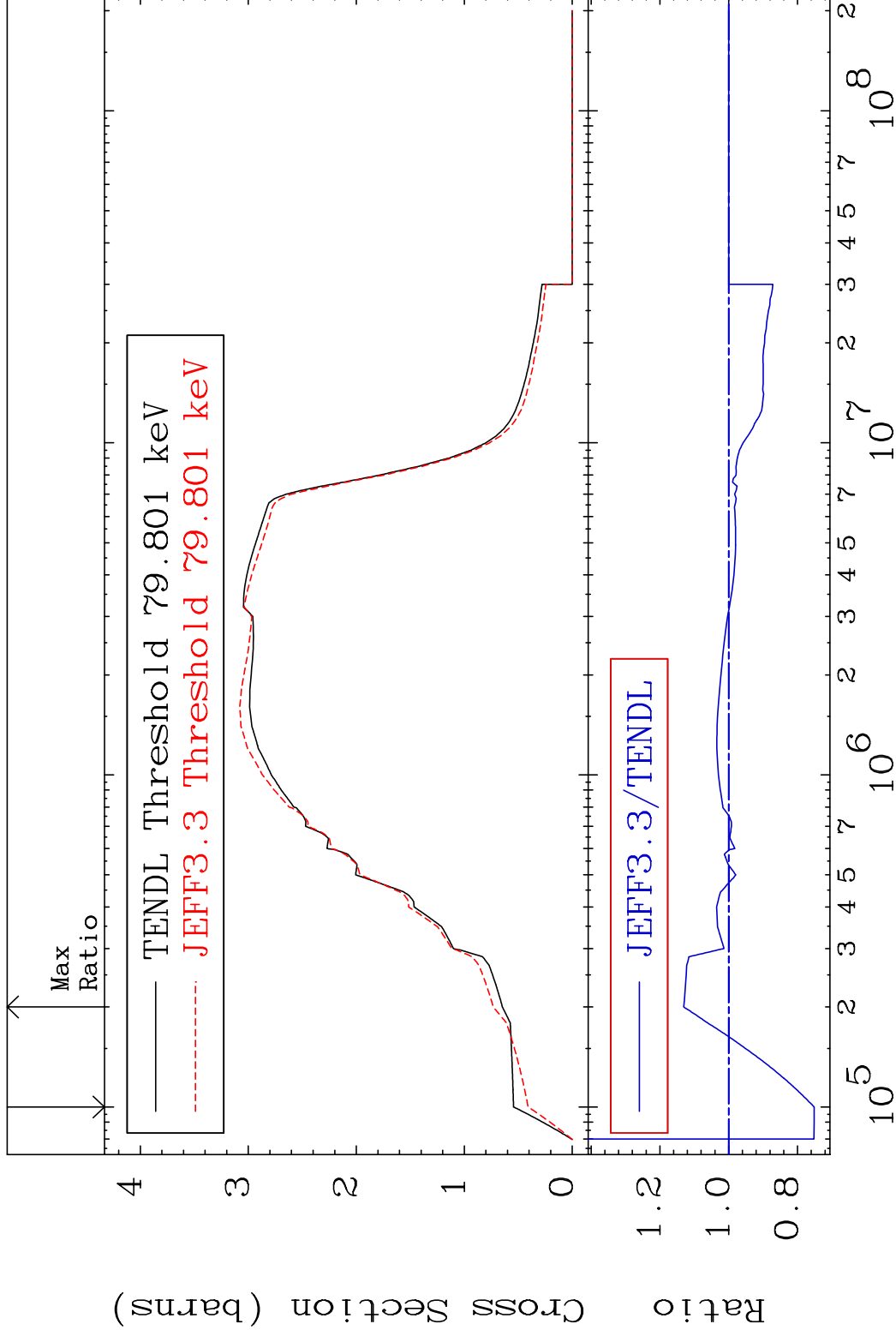
MAT 6840

Inelastic

68-Er-167

Cross Section

-24.83 To 13.09 %



3

Incident Energy (eV)

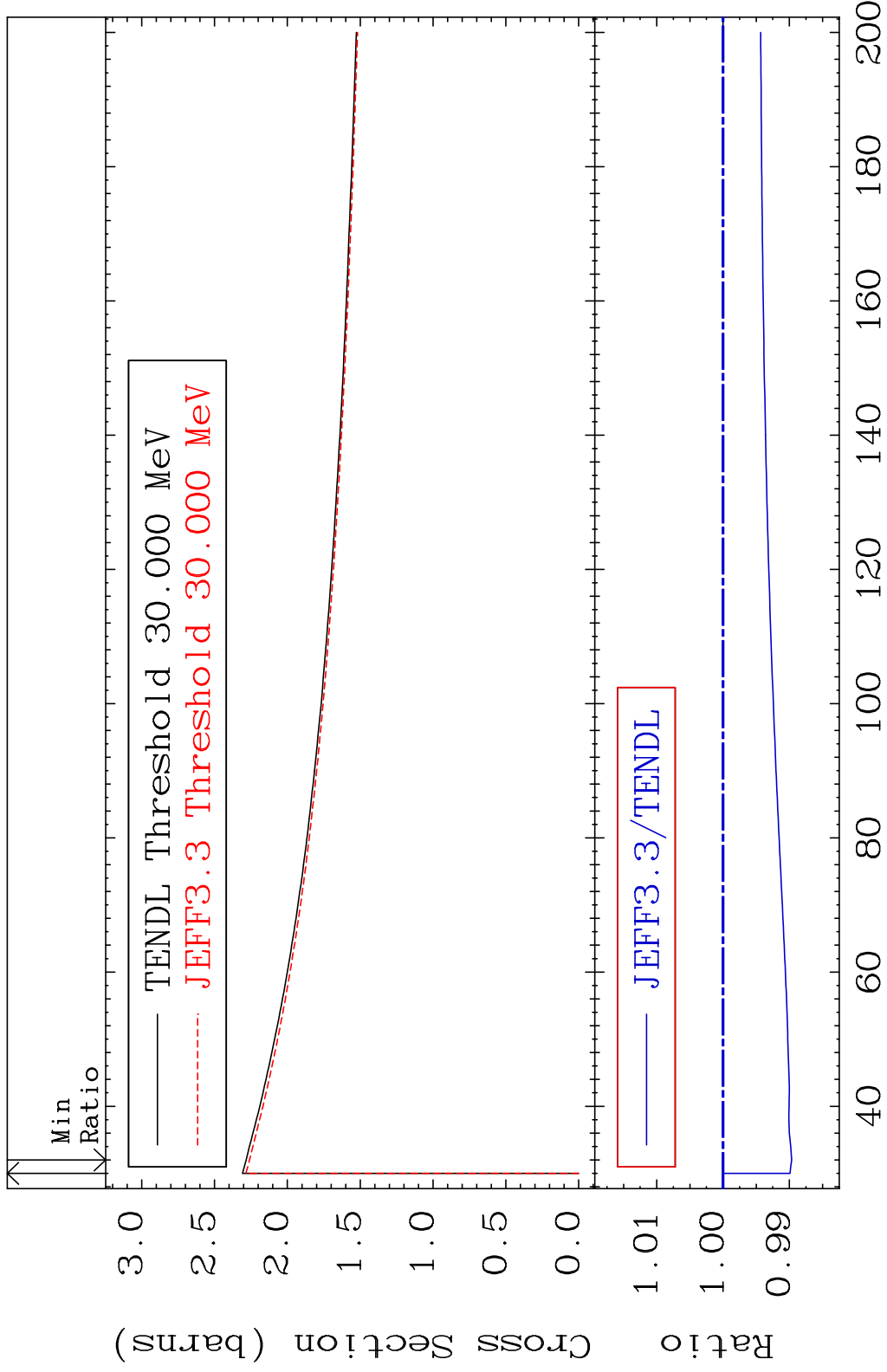
68-Er-167

MAT 6840

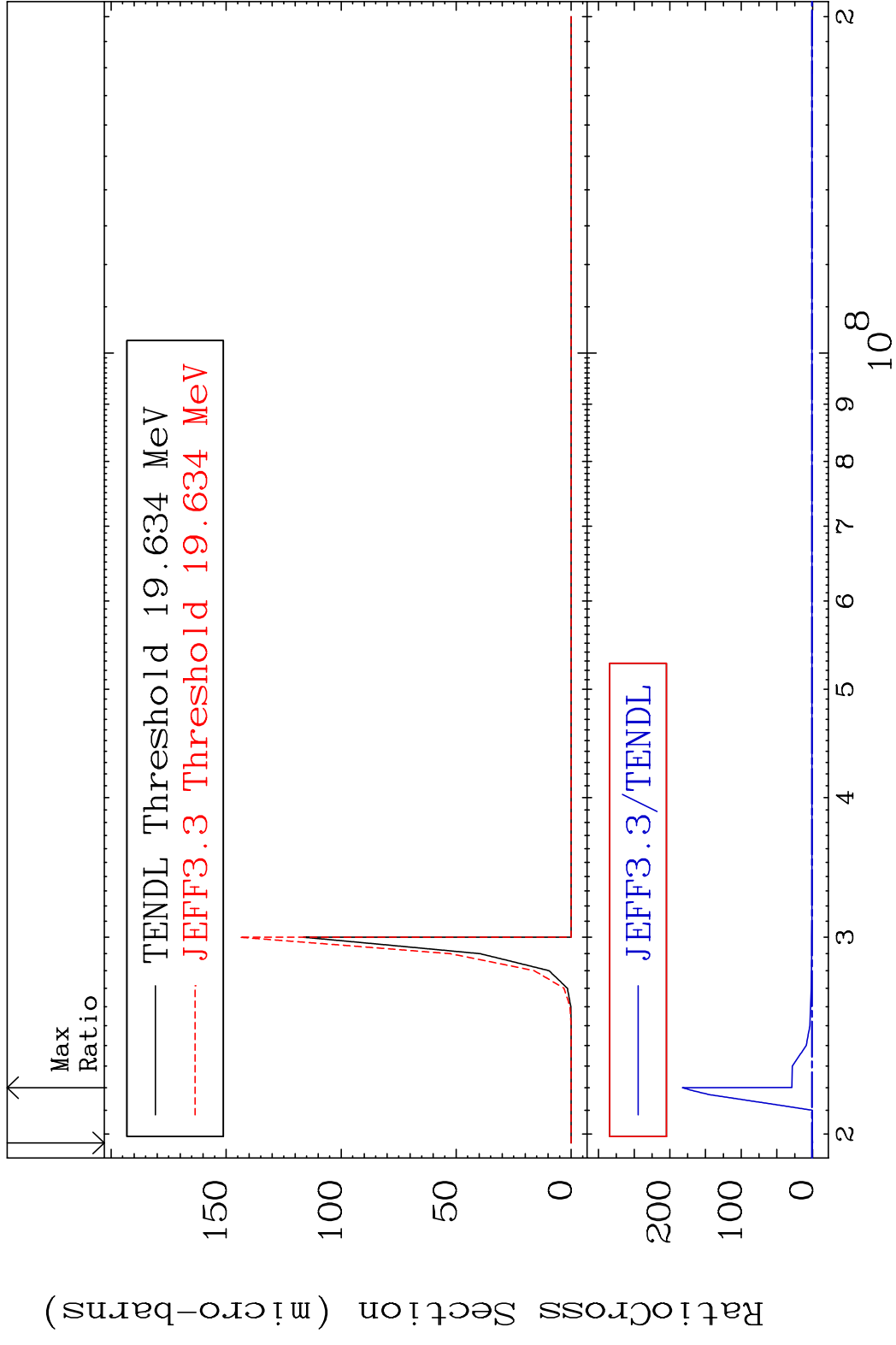
(n, remainder)

68-Er-167

Cross Section -1.033 To 0.000 %

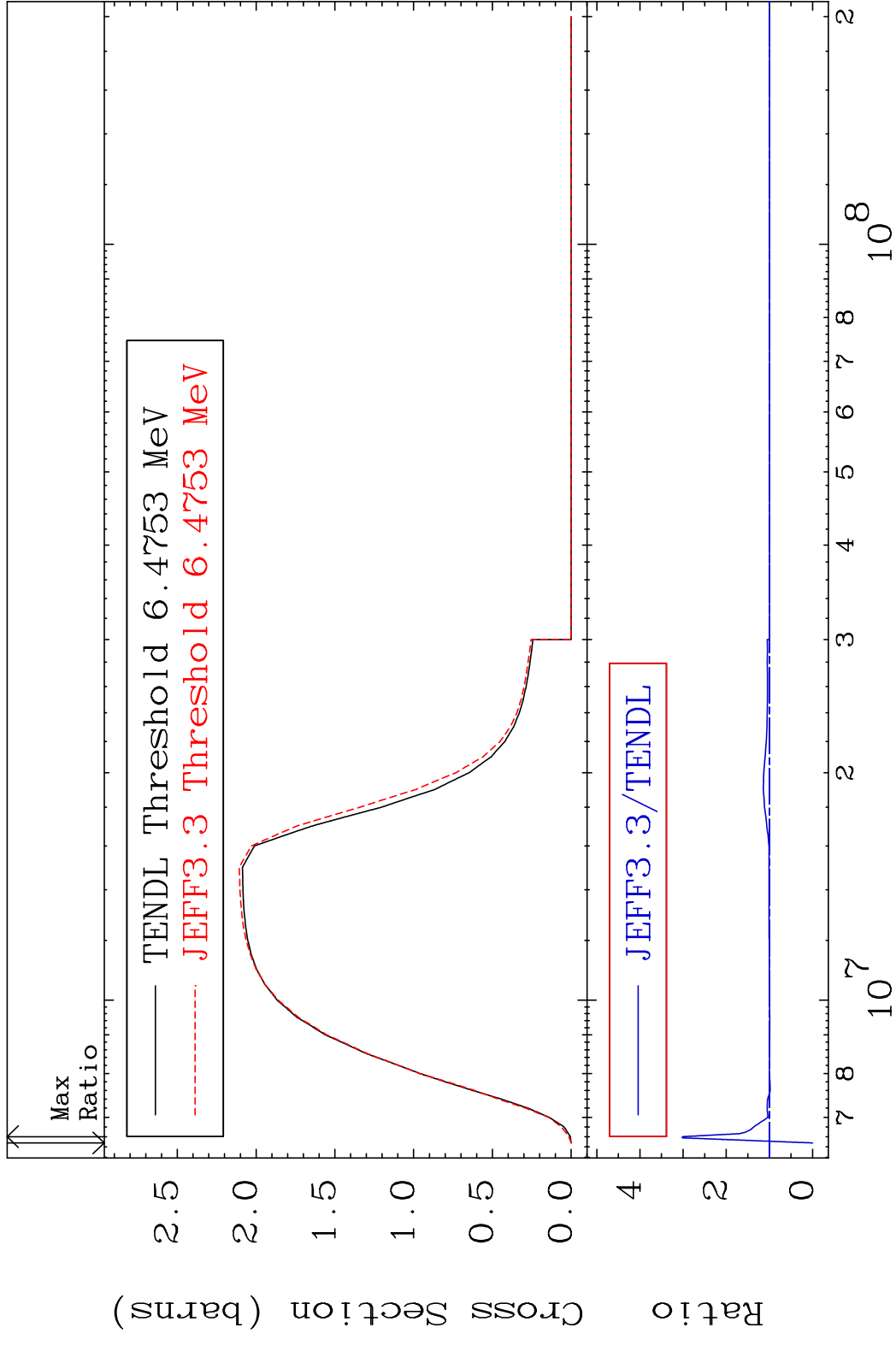


MAT 6840 (n,2n) d 68-Er-167  
 Cross Section -100.0 To 9999. %



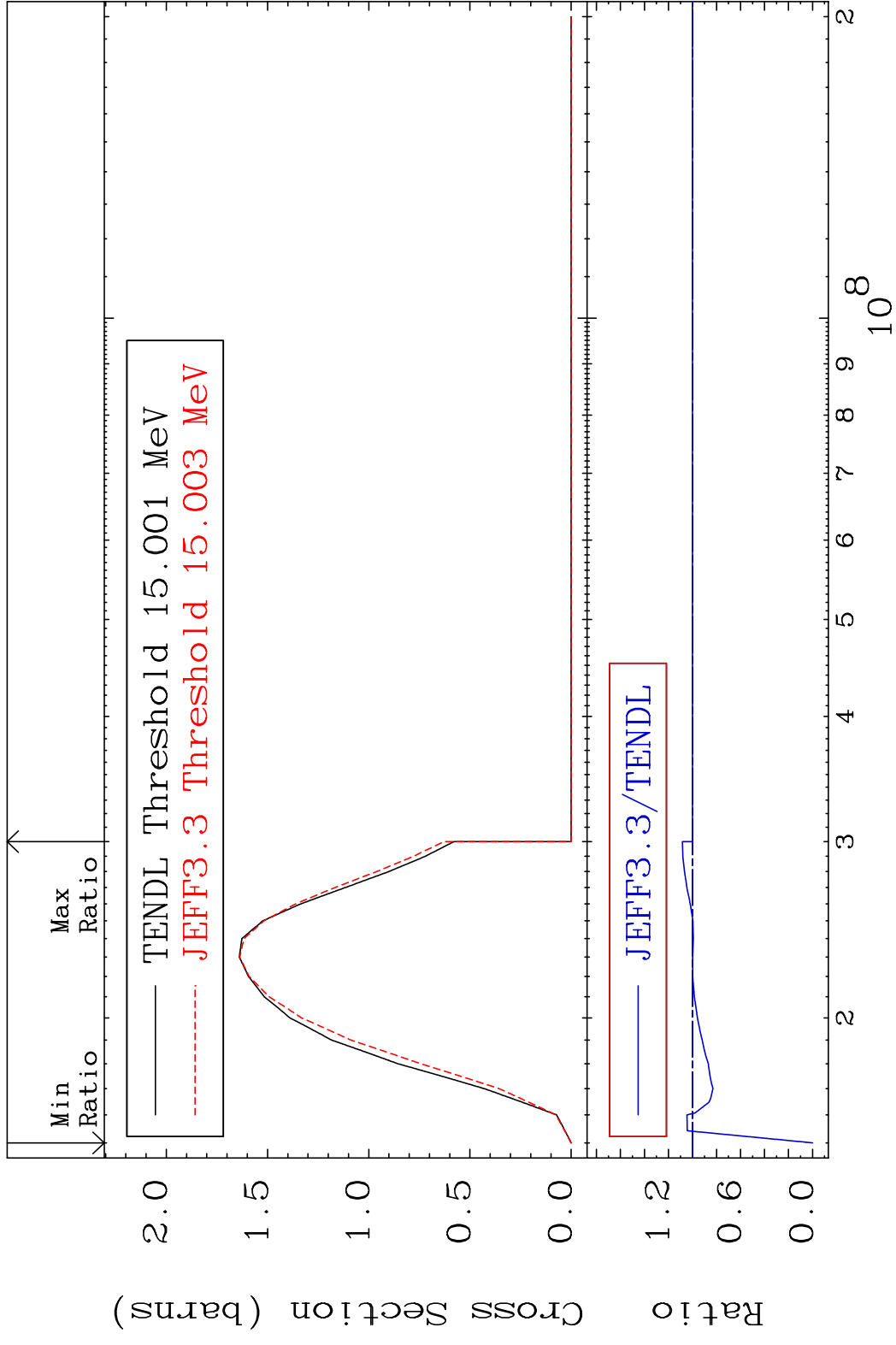
5 Incident Energy (eV) 68-Er-167

MAT 6840 (n,2n) 68-Er-167  
 Cross Section -100.0 To 201.7 %



6 Incident Energy (eV) 68-Er-167

MAT 6840 (n,3n) 68-Er-167  
 Cross Section -100.0 To 8.430 %

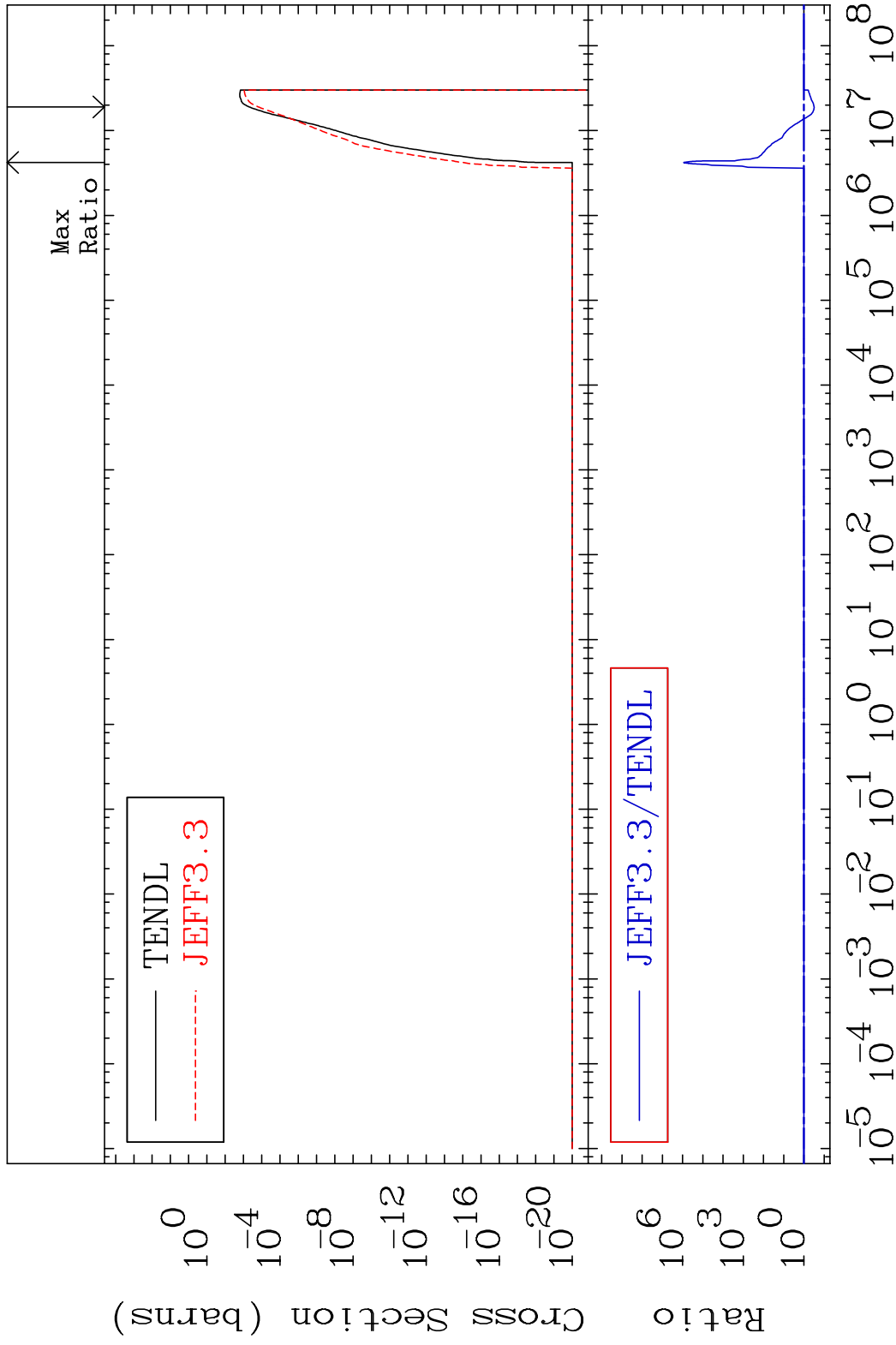


MAT 6840

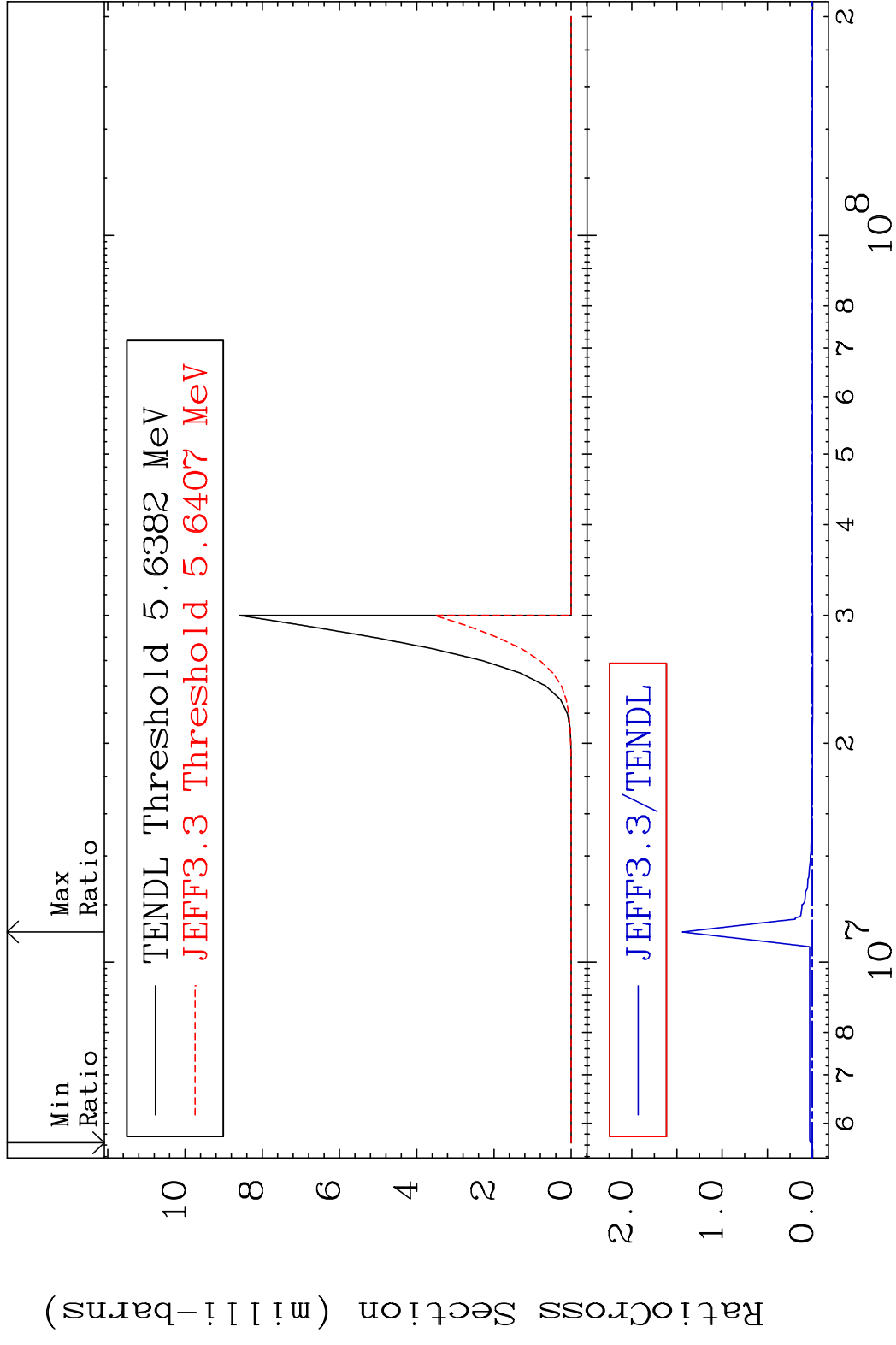
(n, n')  $\alpha$

68-Er-167

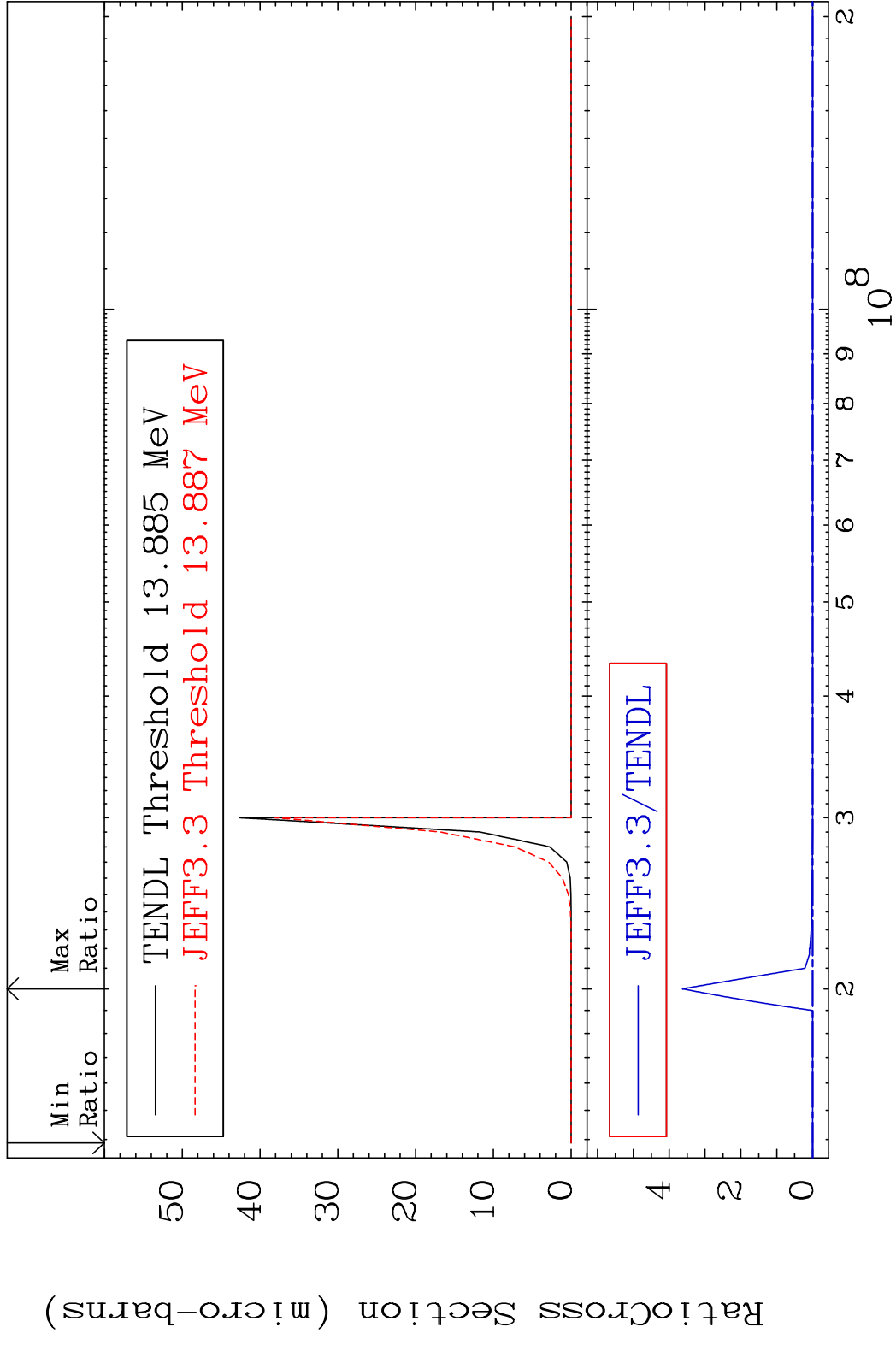
Cross Section -68.47 To 9999. %



MAT 6840 (n,2n)  $\alpha$  68-Er-167  
 Cross Section -100.0 To 9999. %

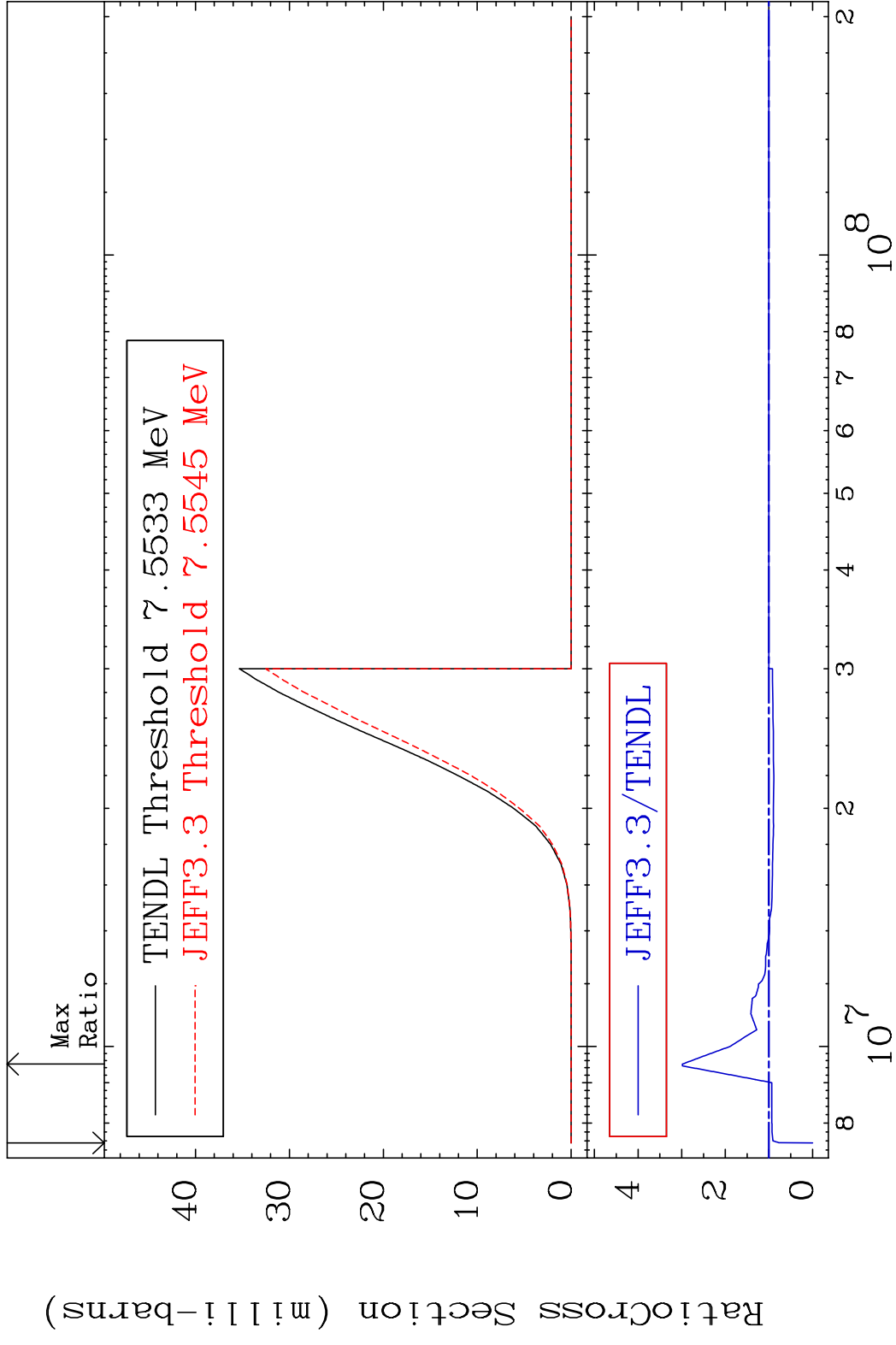


MAT 6840 (n,3n)  $\alpha$  68-Er-167  
 Cross Section -100.0 To 9999. %



10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 68-Er-167

MAT 6840 (n, n') p 68-Er-167  
 Cross Section -100.0 To 198.5 %

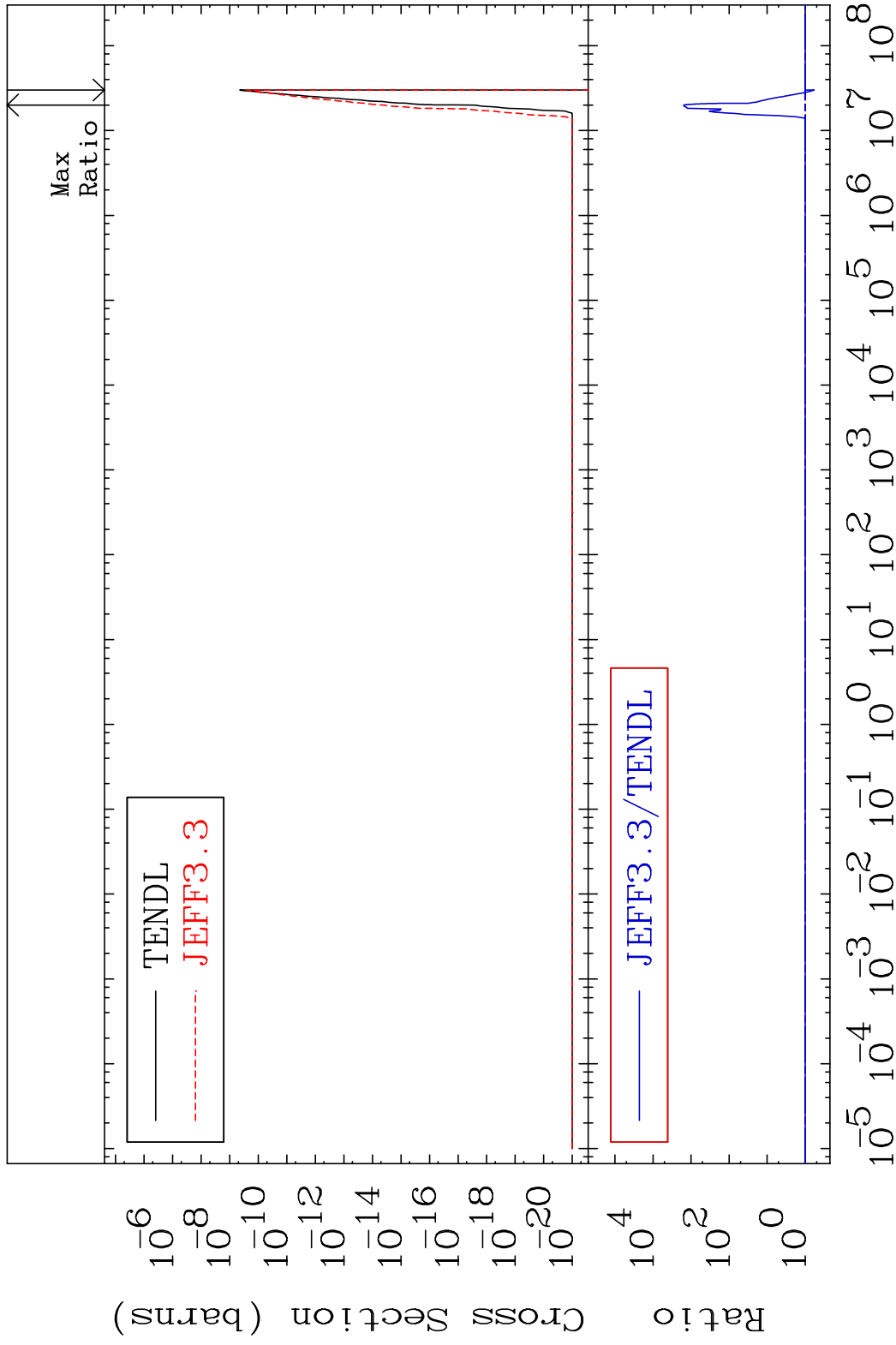


MAT 6840

(n, n') 2α

68-Er-167

Cross Section -41.68 To 9999. %

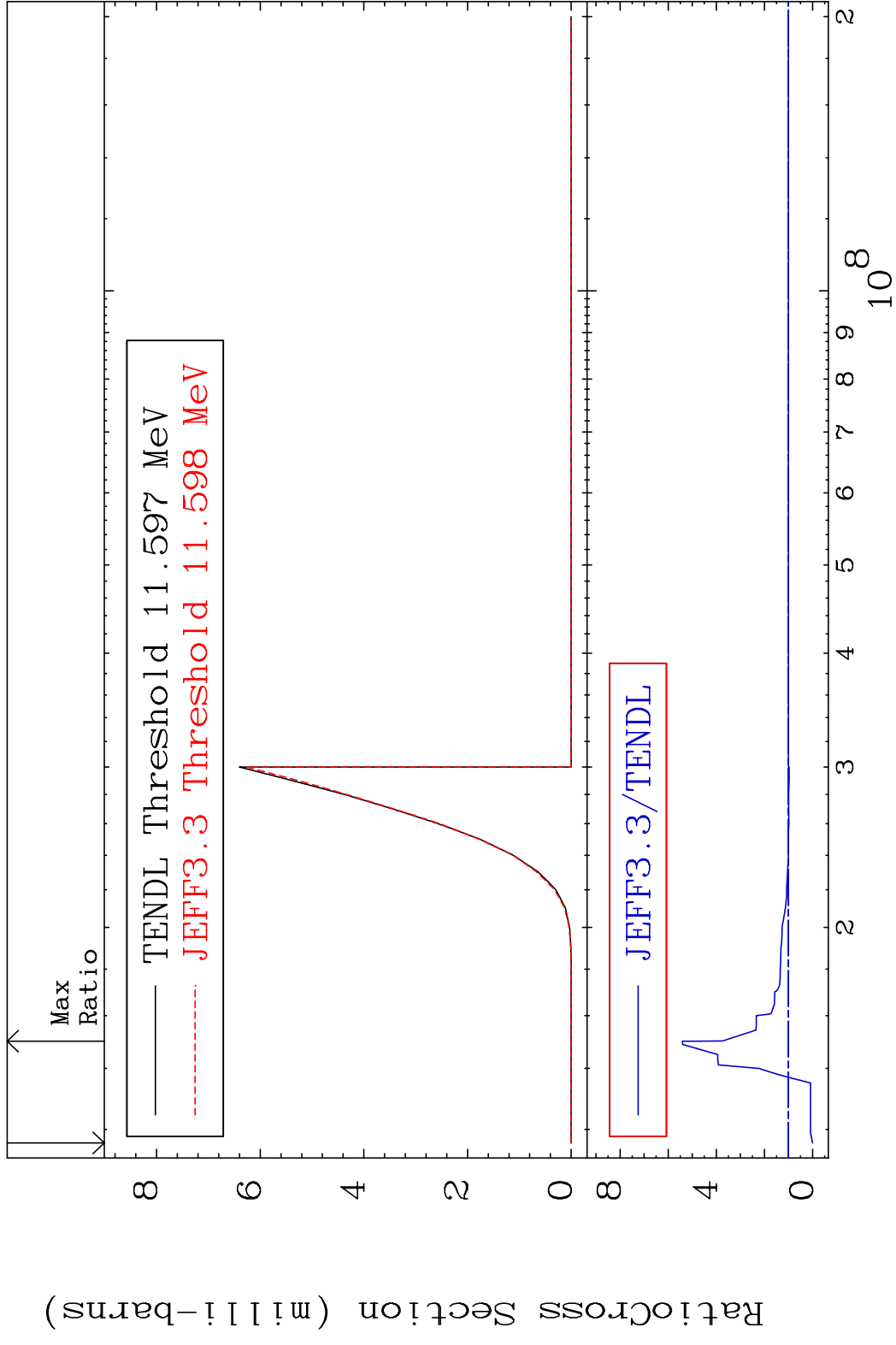


12

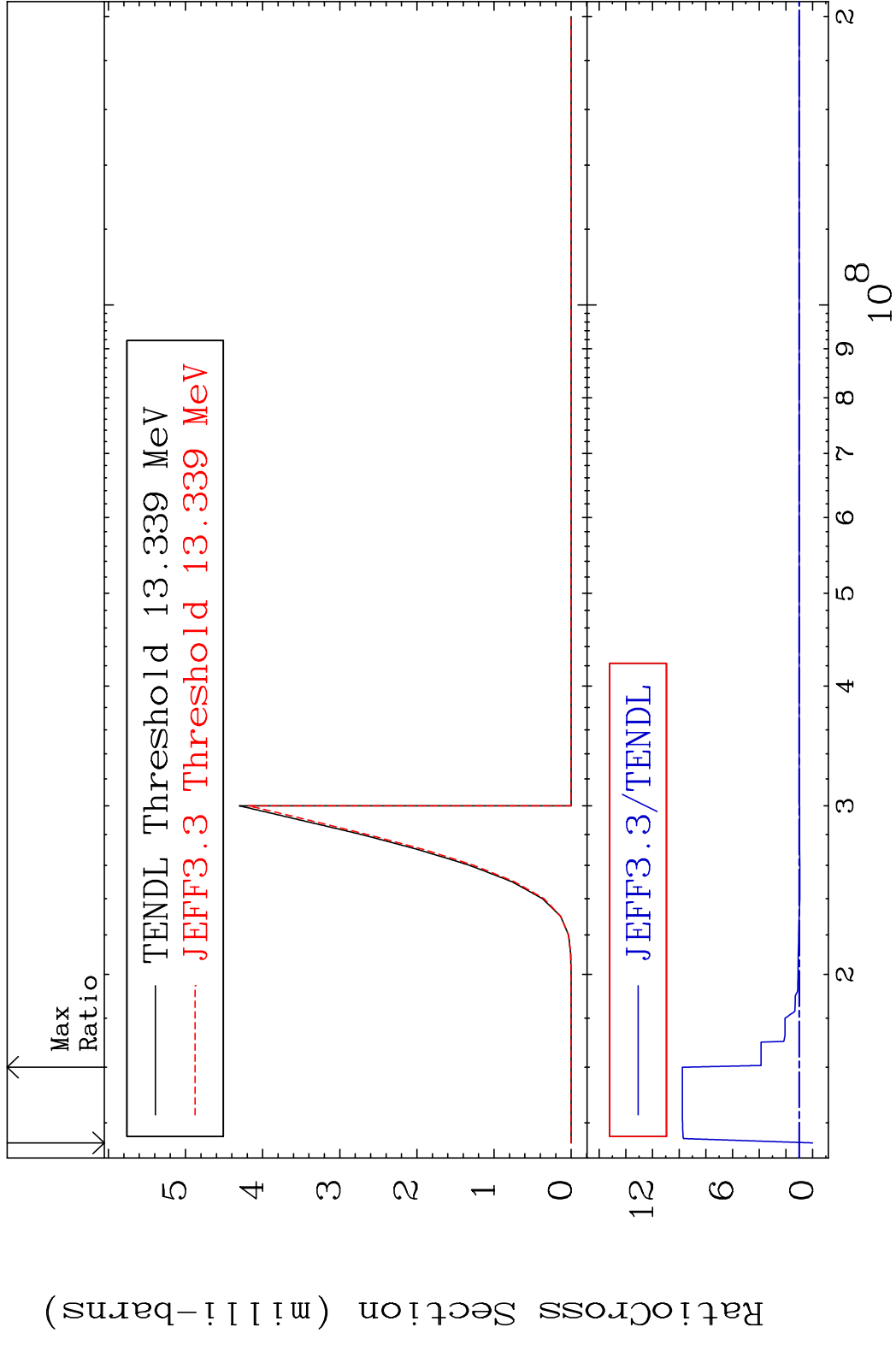
Incident Energy (eV)

68-Er-167

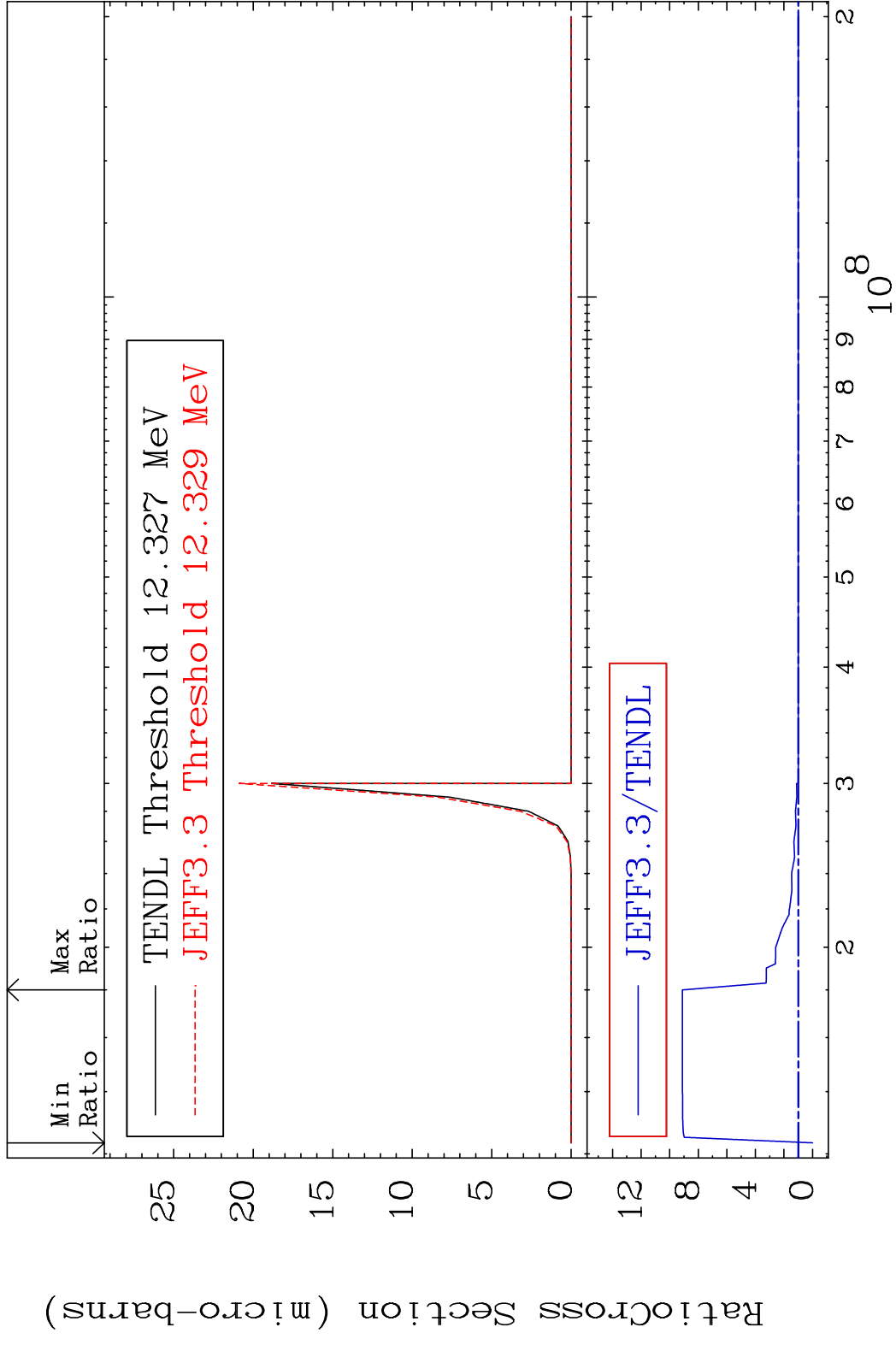
MAT 6840 (n, n') d 68-Er-167  
 Cross Section -100.0 To 441.2 %



MAT 6840 (n, n') t 68-Er-167  
 Cross Section -100.0 To 875.9 %



MAT 6840 (n,n') He-3 68-Er-167  
 Cross Section -100.0 To 811.2 %

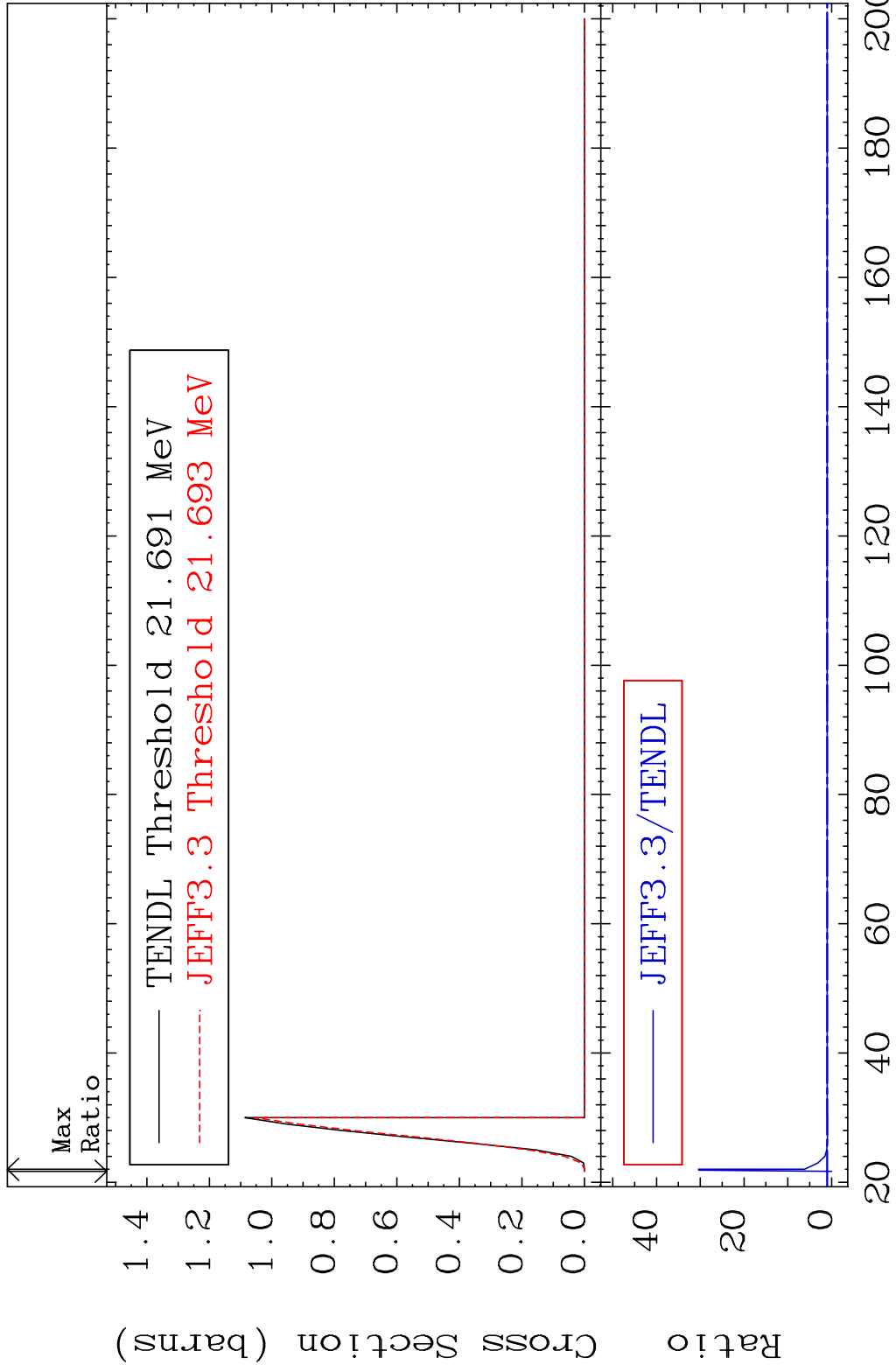


MAT 6840

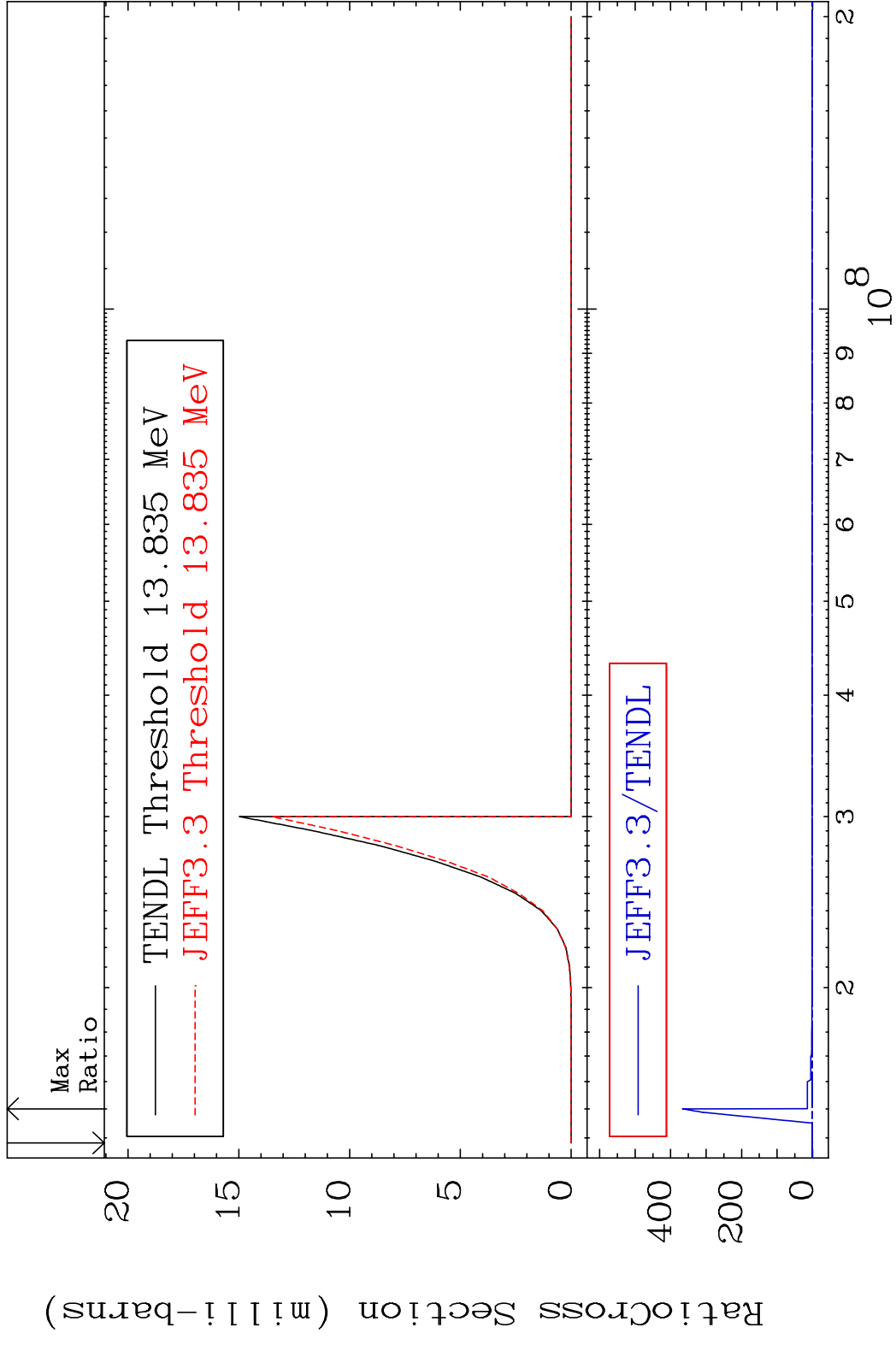
(n,4n)

68-Er-167

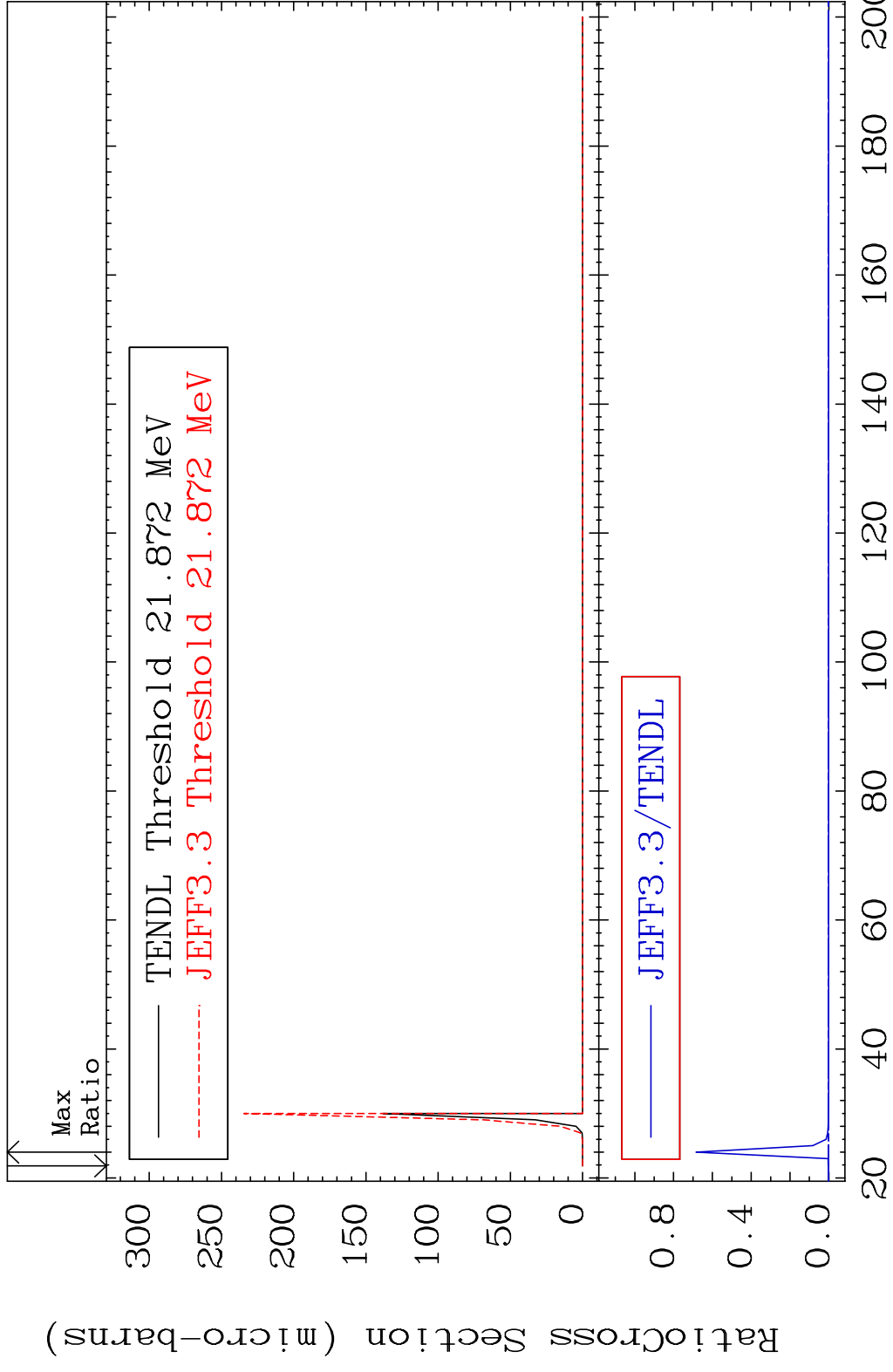
Cross Section -100.0 To 2944. %



MAT 6840 (n,2n) p 68-Er-167  
 Cross Section -100.0 To 9999. %



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

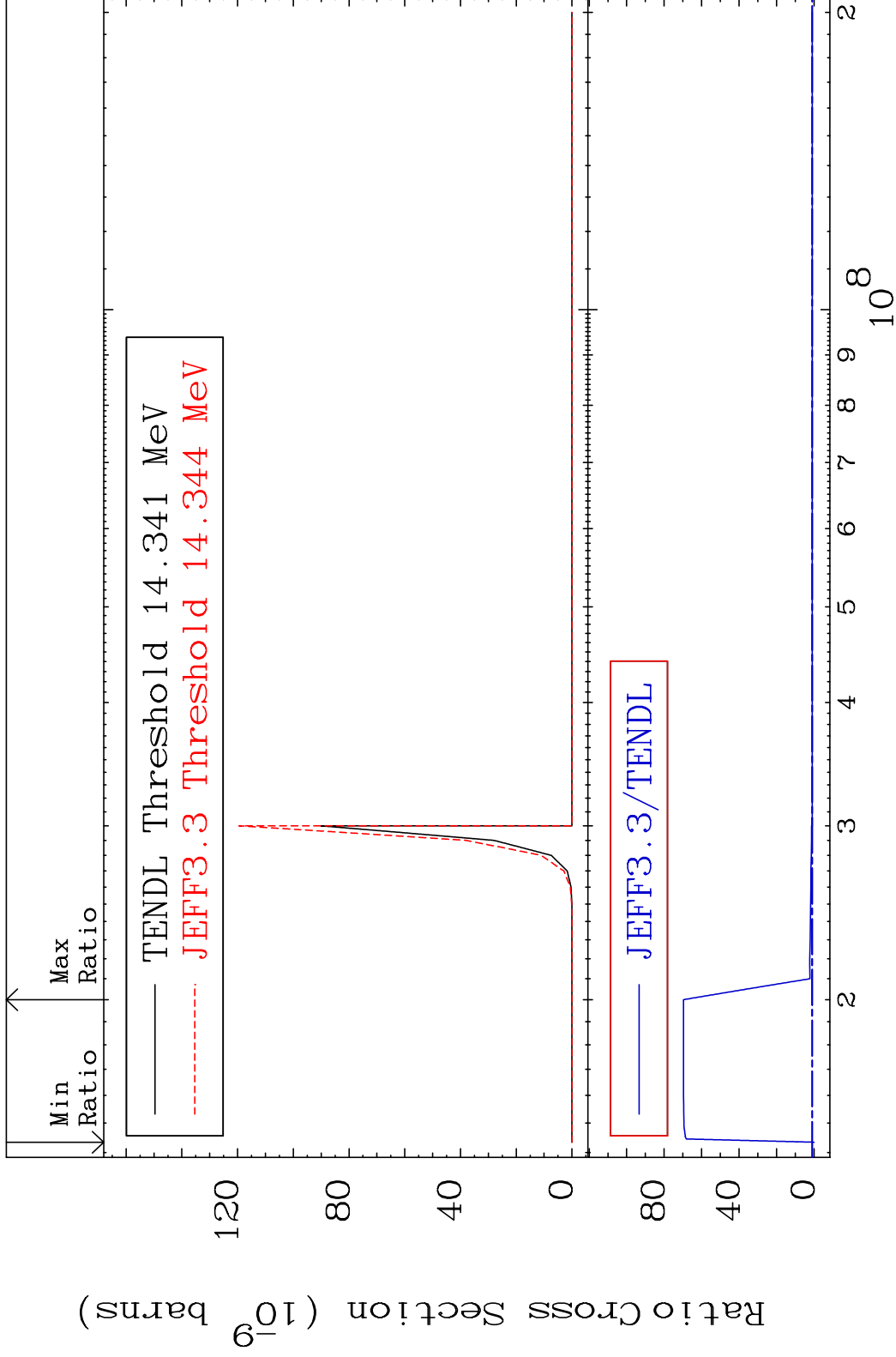


MAT 6840

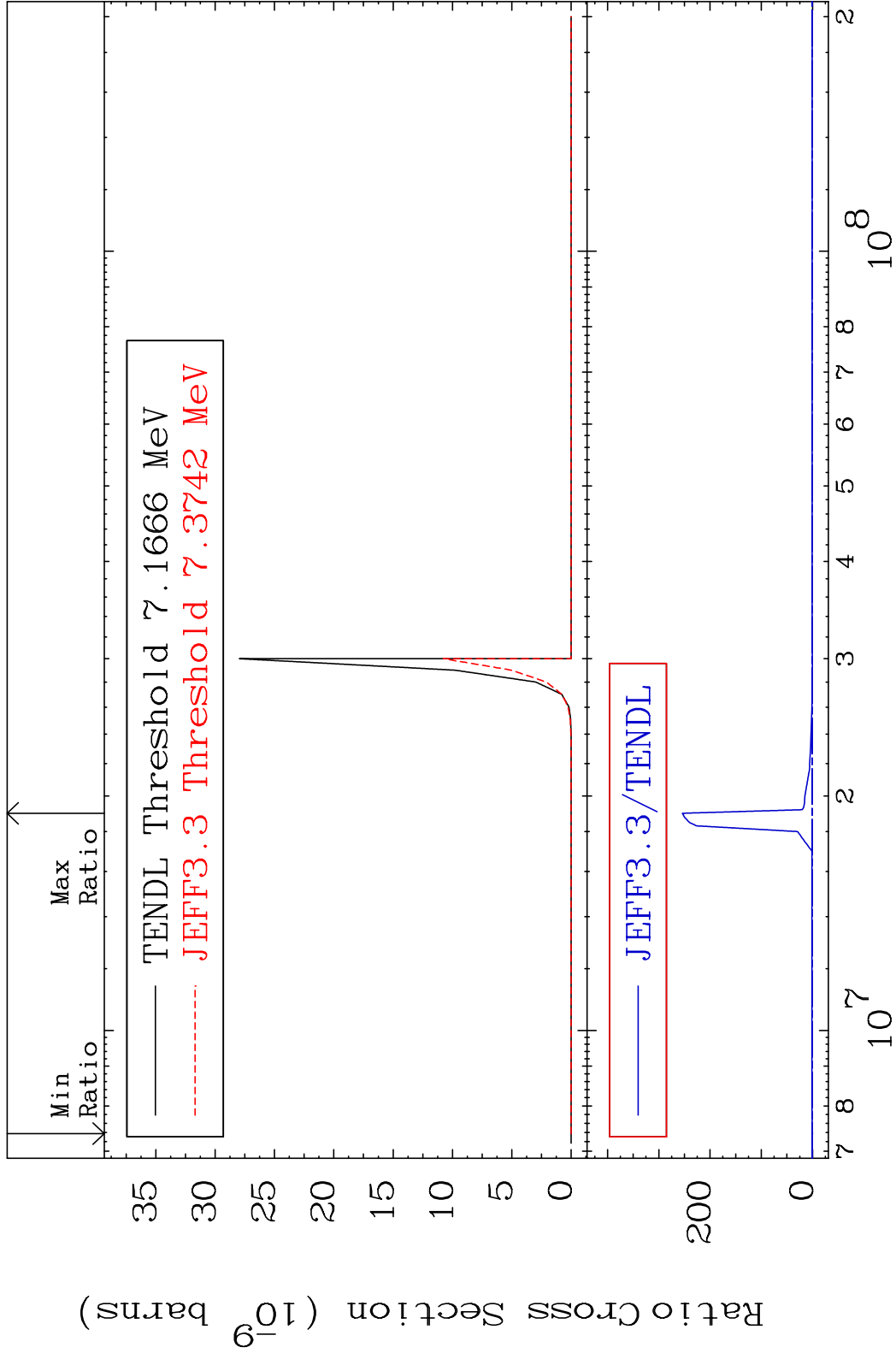
(n,2n) p

68-Er-167

Cross Section -100.0 To 6868. %



MAT 6840 (n, n') p  $\alpha$  68-Er-167  
 Cross Section -100.0 To 9999. %



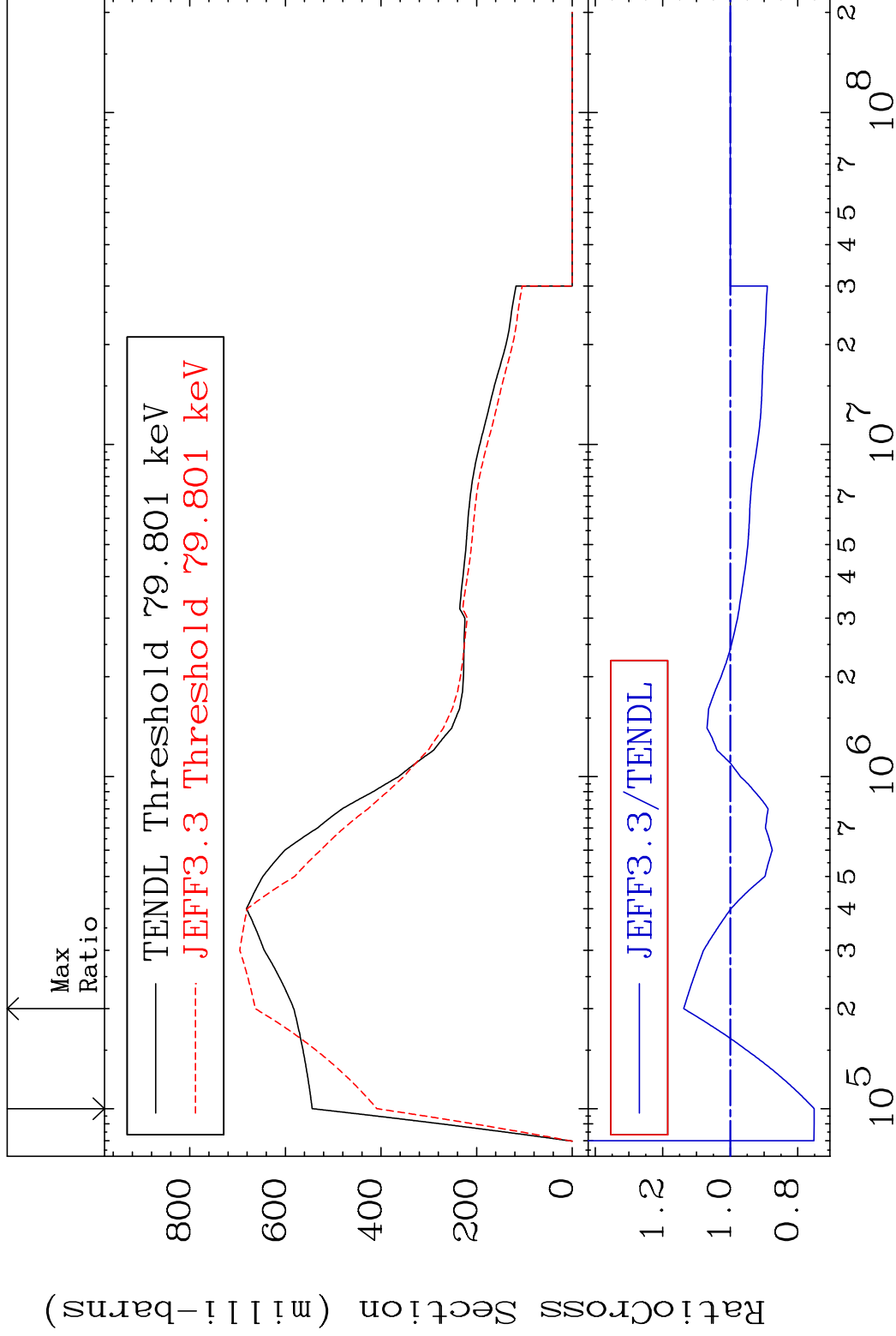
20 Incident Energy (eV) 68-Er-167

MAT 6840

MT= 51 (n, n') Level

68-Er-167

Cross Section -24.83 To 13.80 %

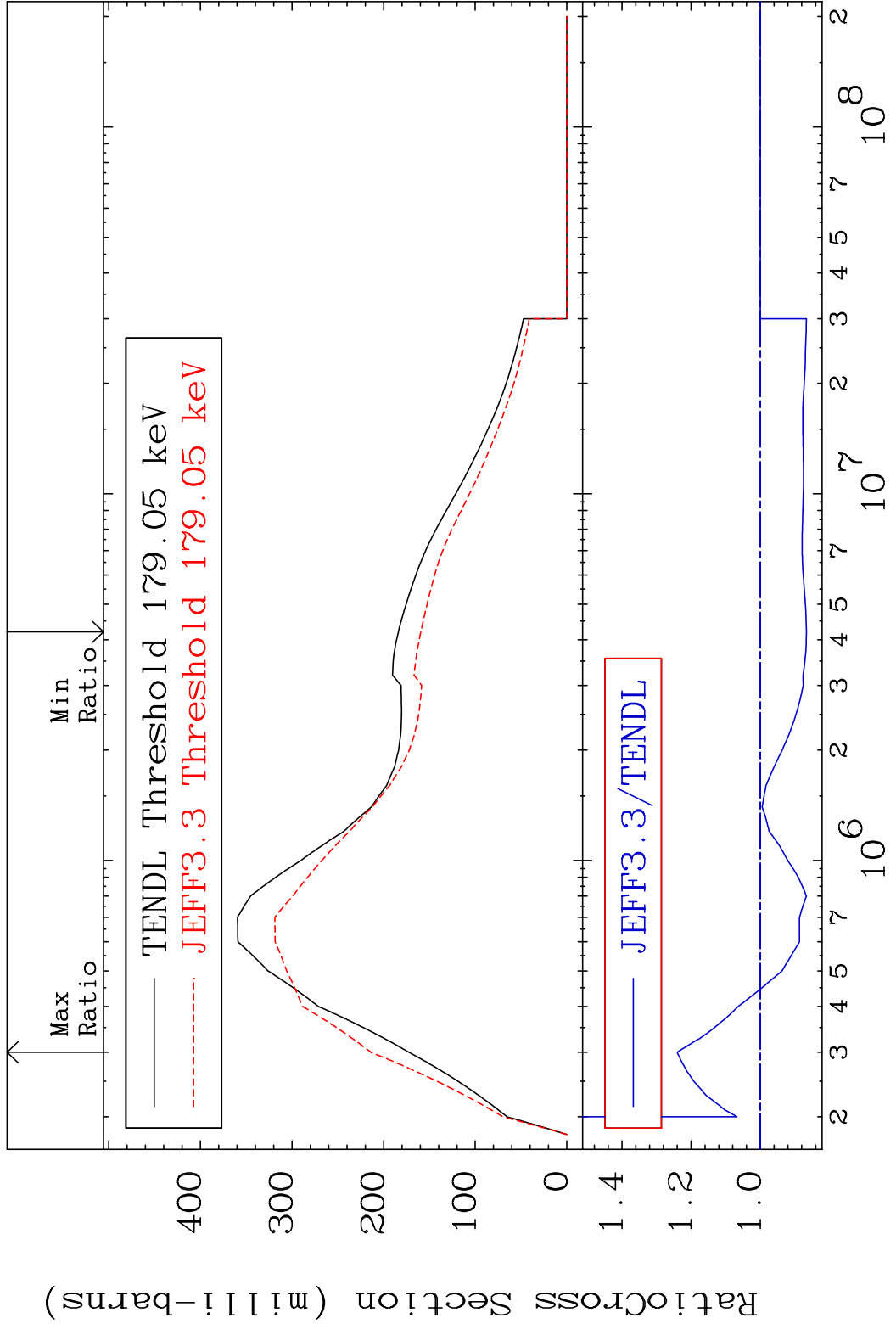


21

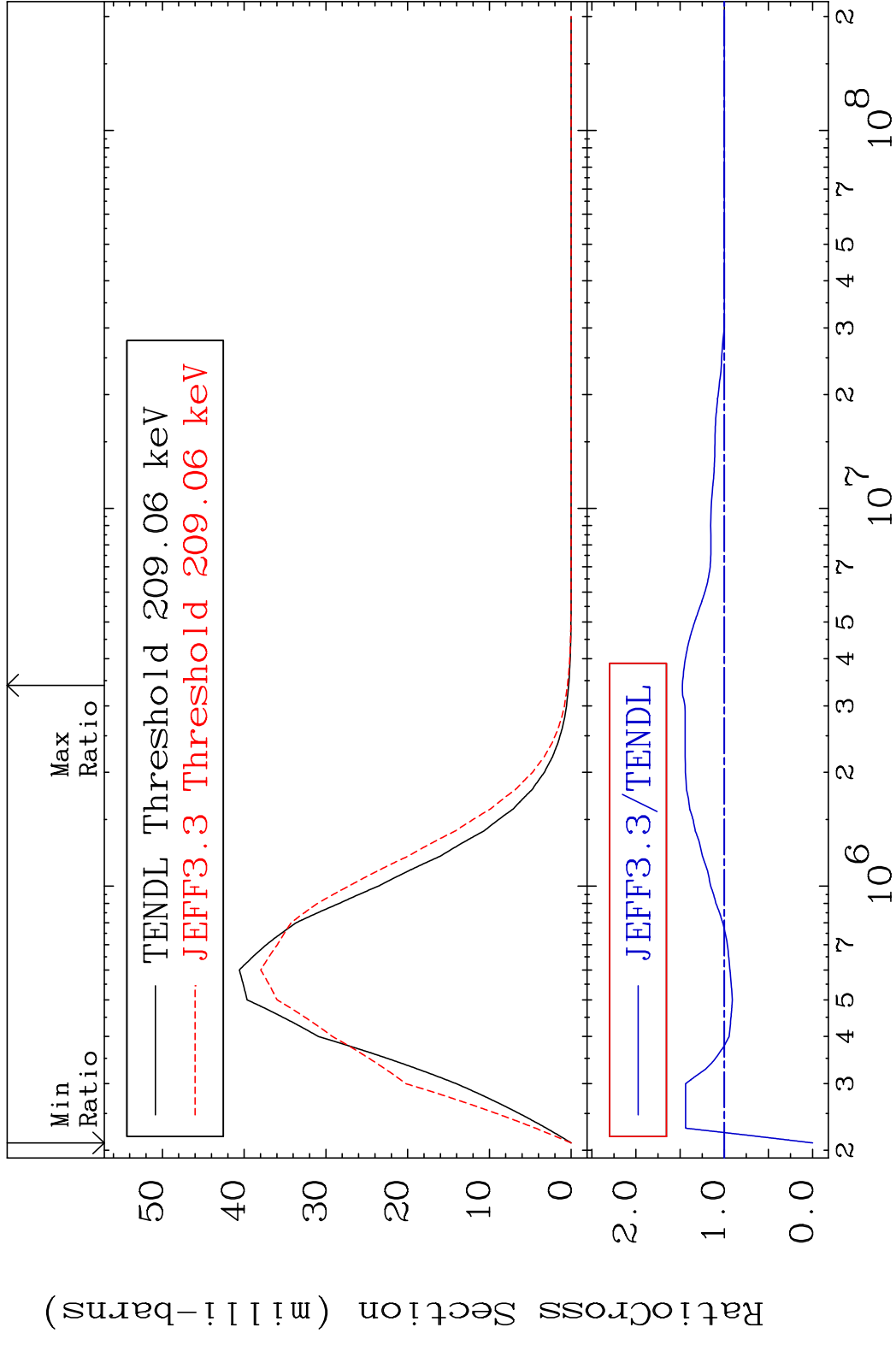
Incident Energy (eV)

68-Er-167

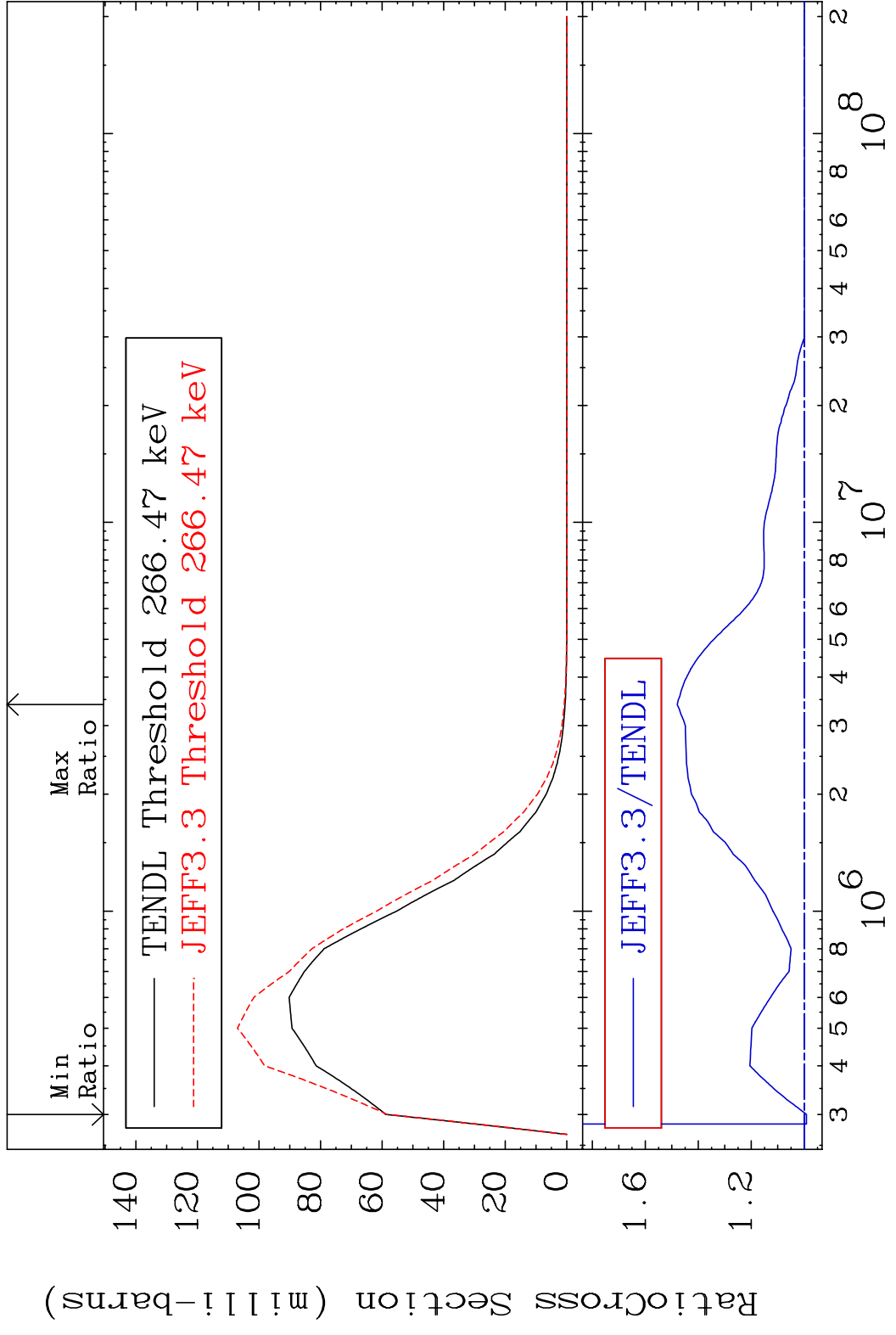
MAT 6840 MT= 52 (n, n') Level 68-Er-167  
 Cross Section -13.33 To 24.03 %



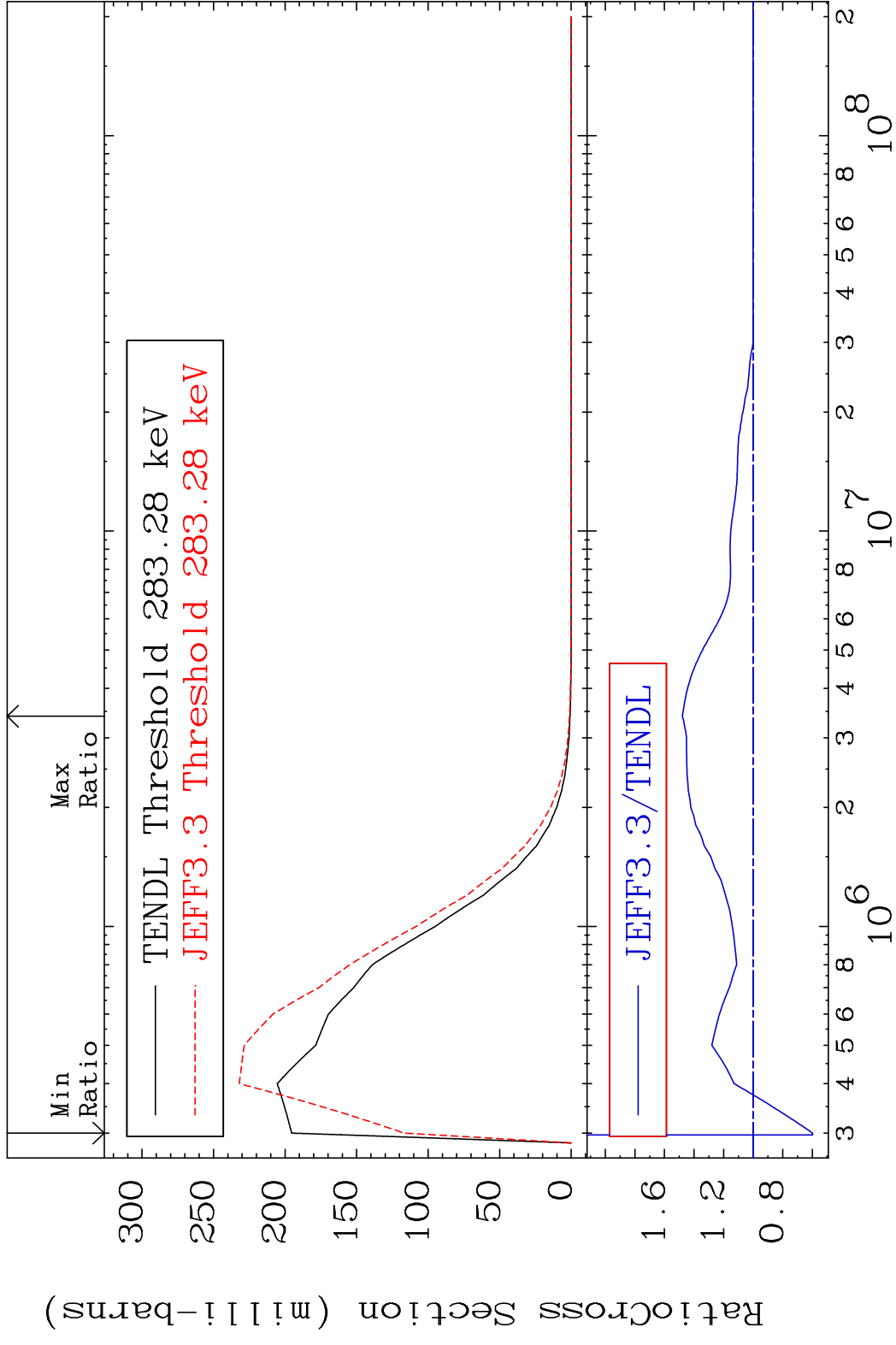
MAT 6840 MT= 53 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 47.46 %



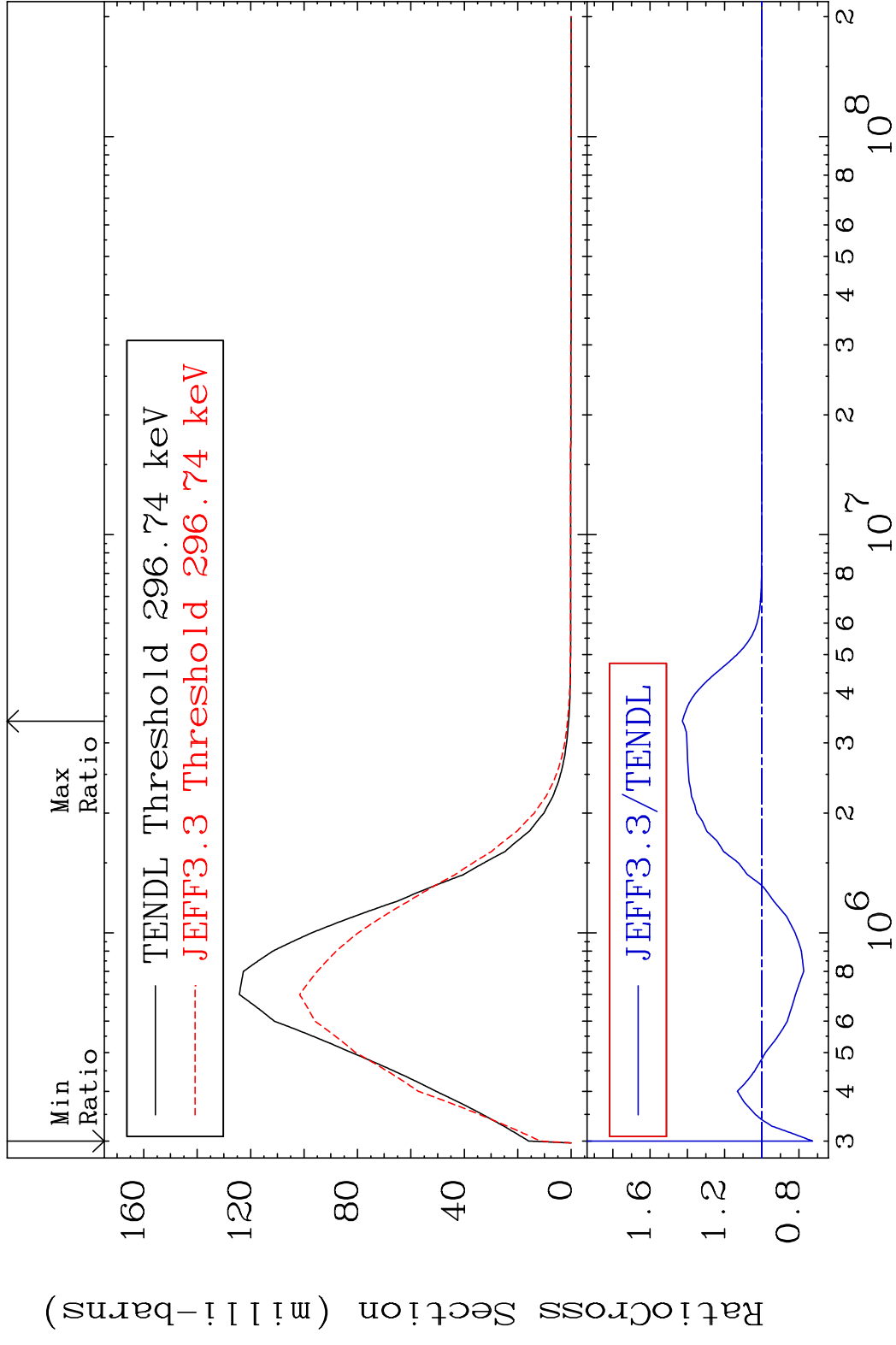
MAT 6840 MT= 54 (n, n') Level 68-Er-167  
 Cross Section -0.791 To 47.97 %



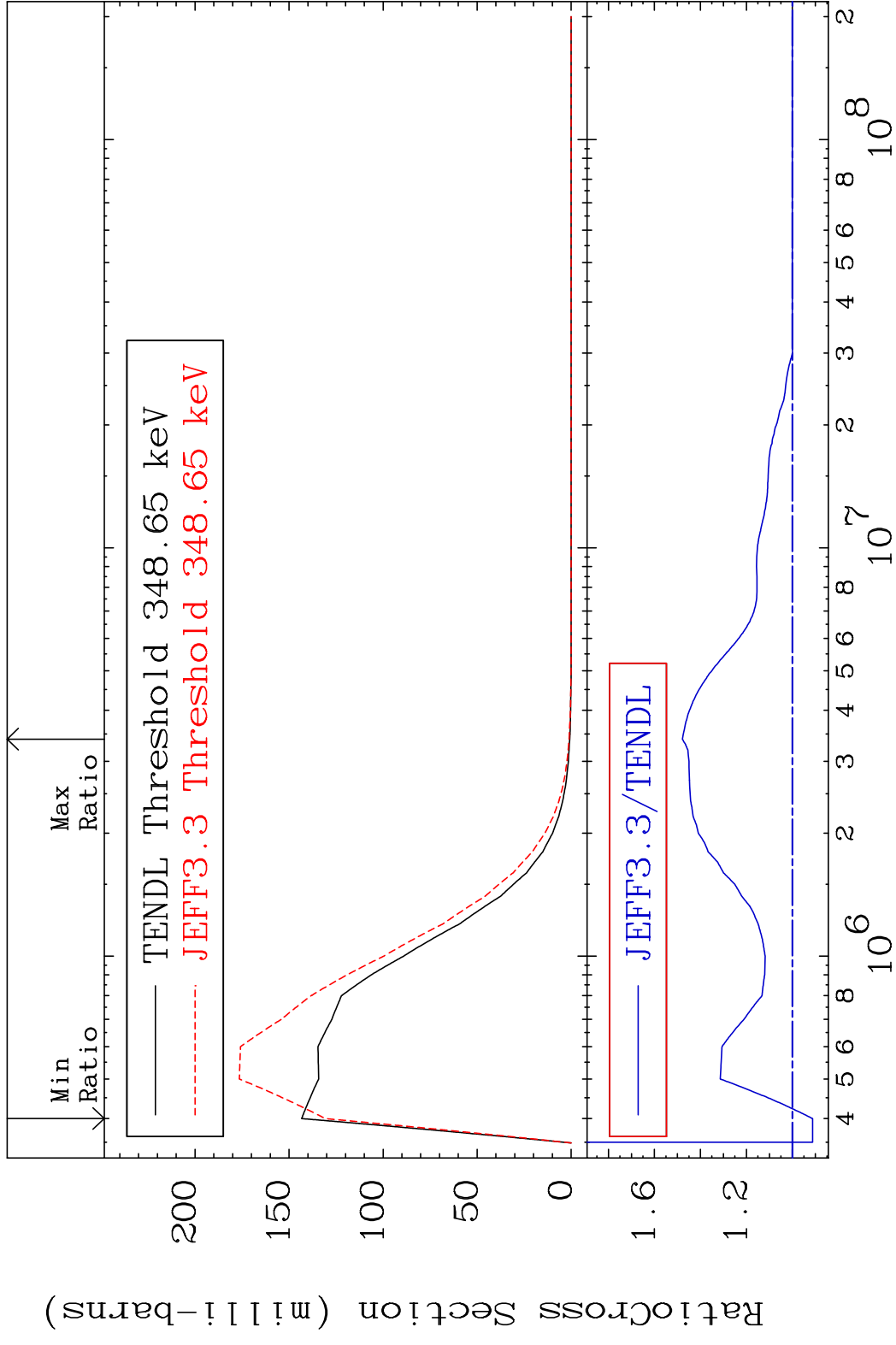
MAT 6840 MT= 55 (n, n') Level 68-Er-167  
 Cross Section -40.18 To 47.91 %



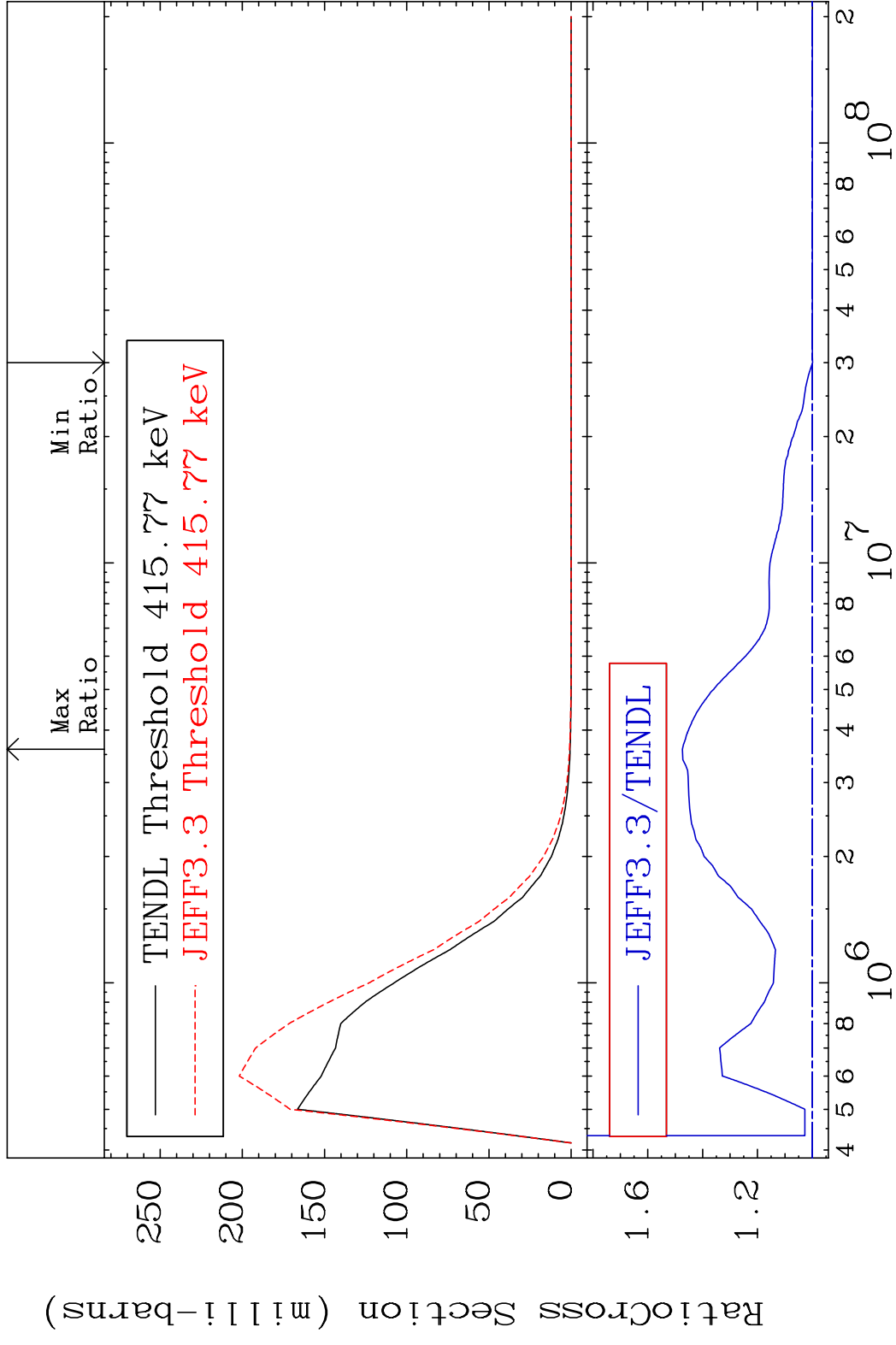
MAT 6840 MT= 56 (n,n') Level 68-Er-167  
 Cross Section -27.28 To 42.67 %



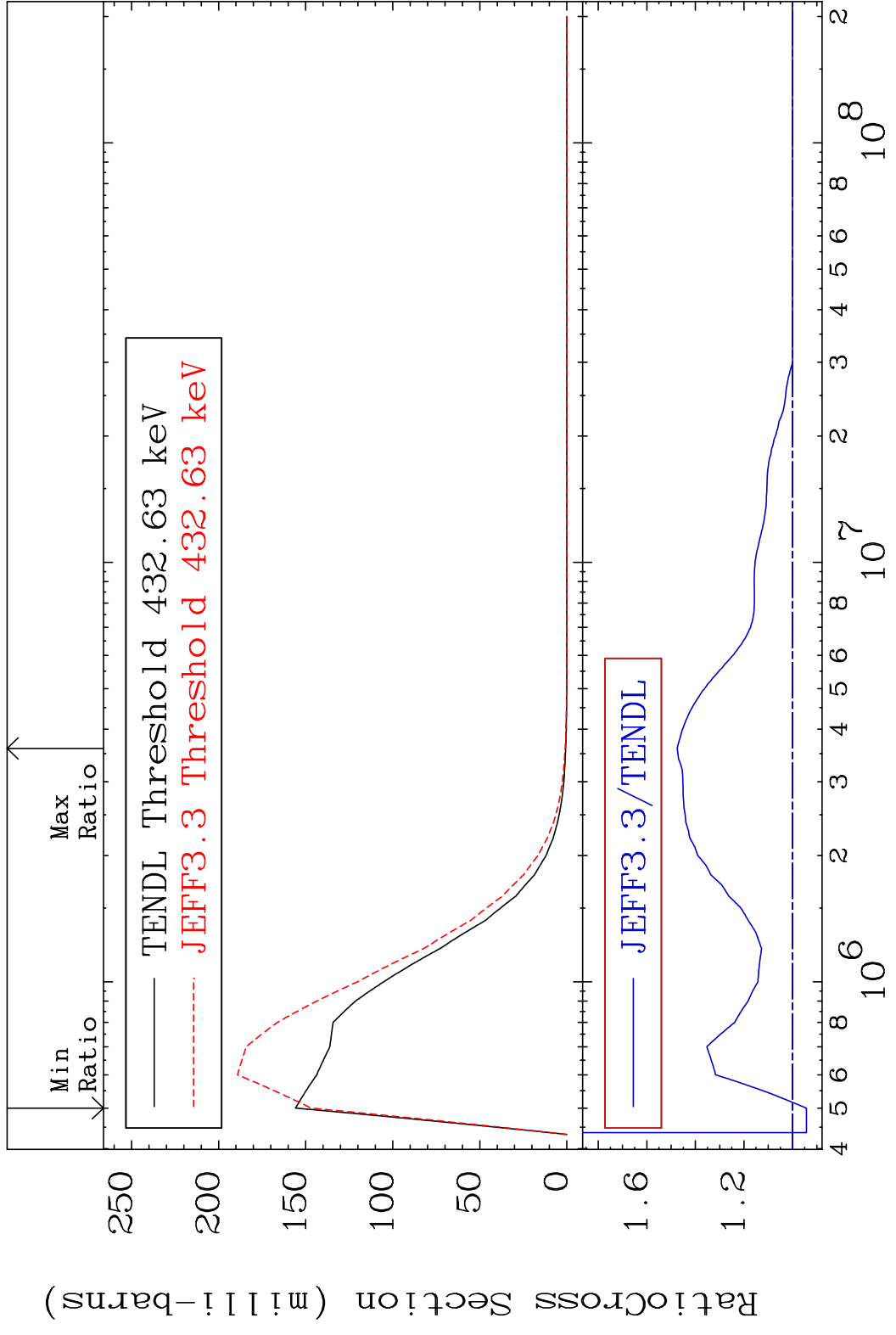
MAT 6840 MT= 57 (n, n') Level 68-Er-167  
 Cross Section -8.774 To 47.86 %



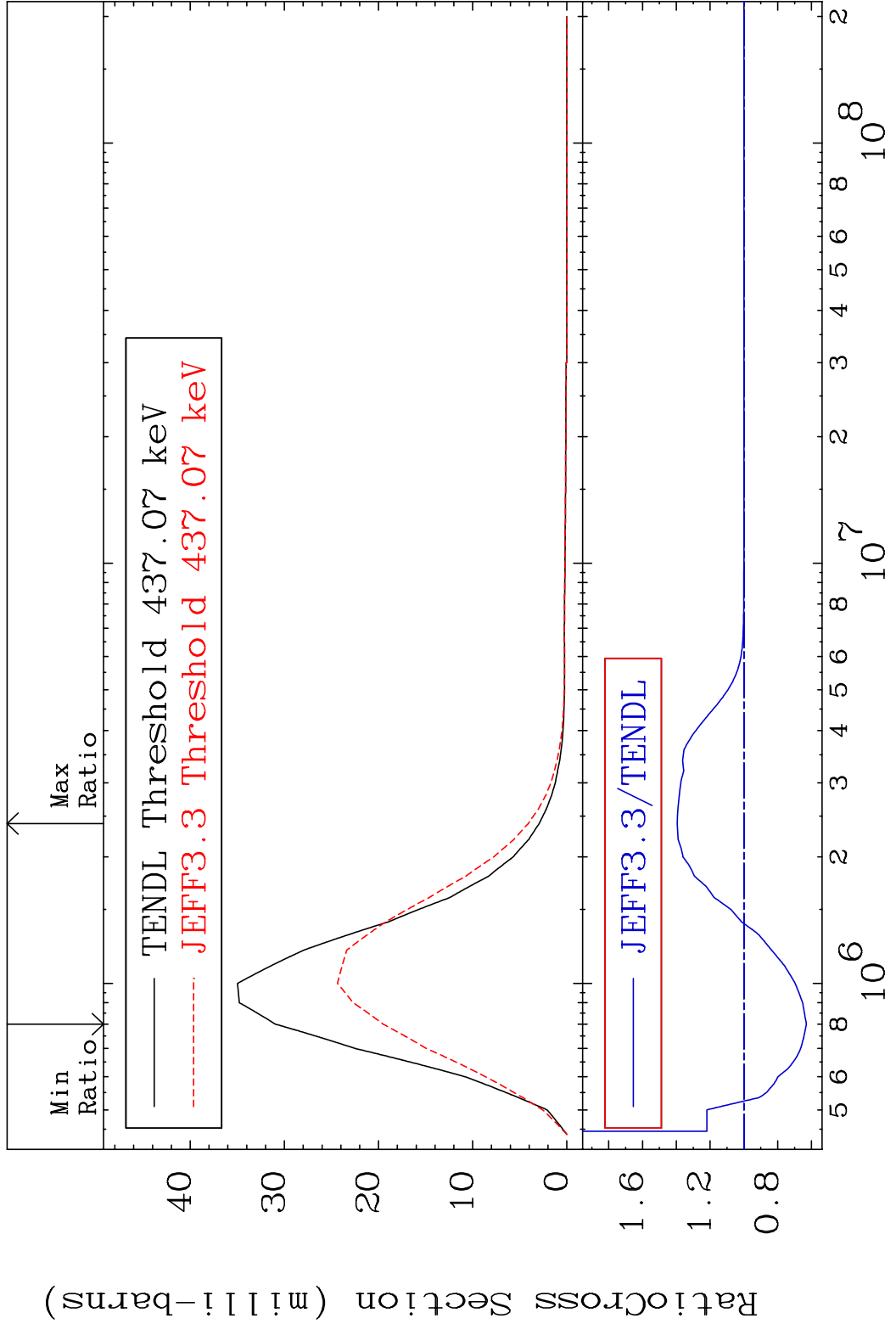
MAT 6840 MT= 58 (n,n') Level 68-Er-167  
 Cross Section -0.076 To 47.40 %



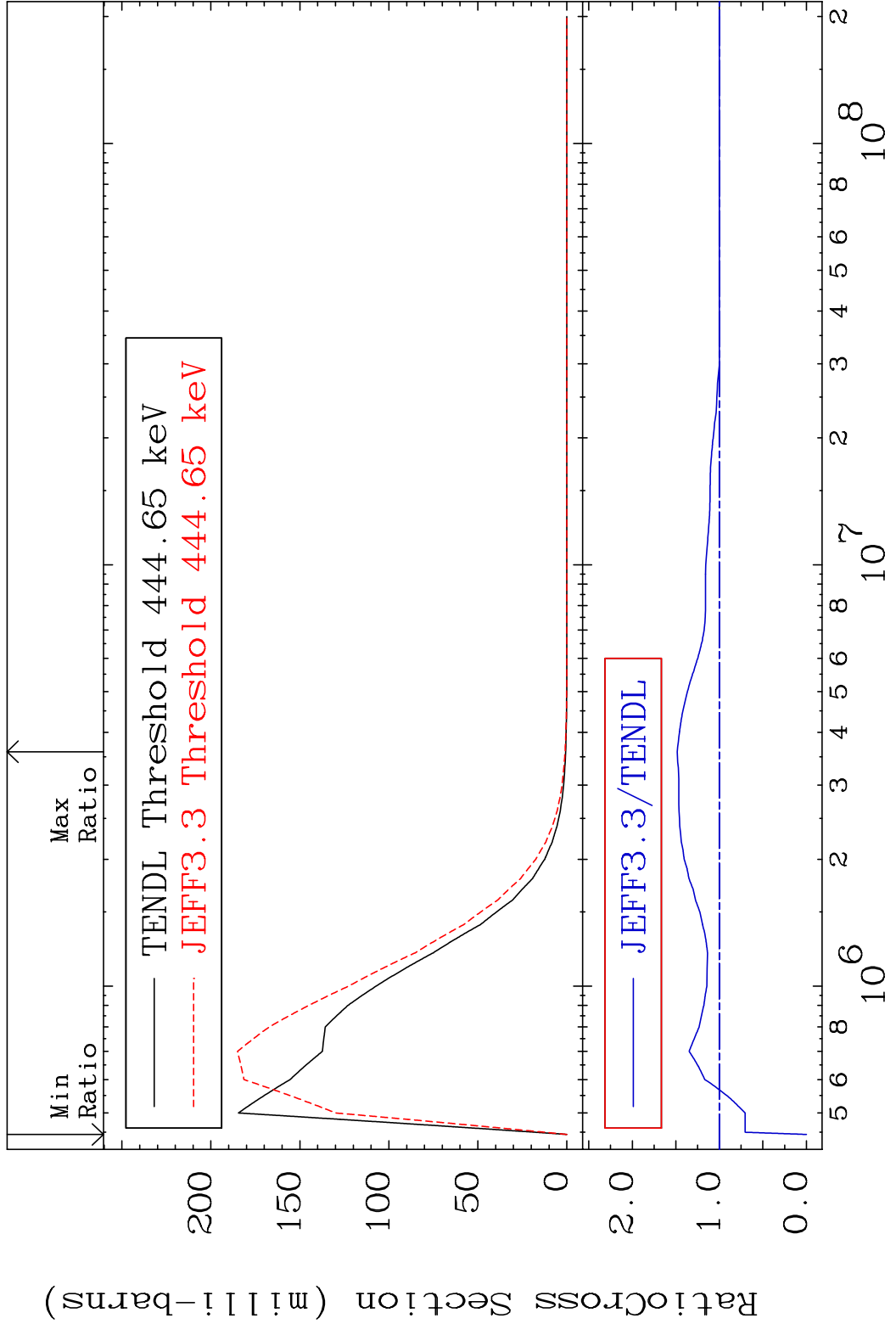
MAT 6840 MT= 59 (n, n') Level 68-Er-167  
 Cross Section -5.718 To 47.49 %



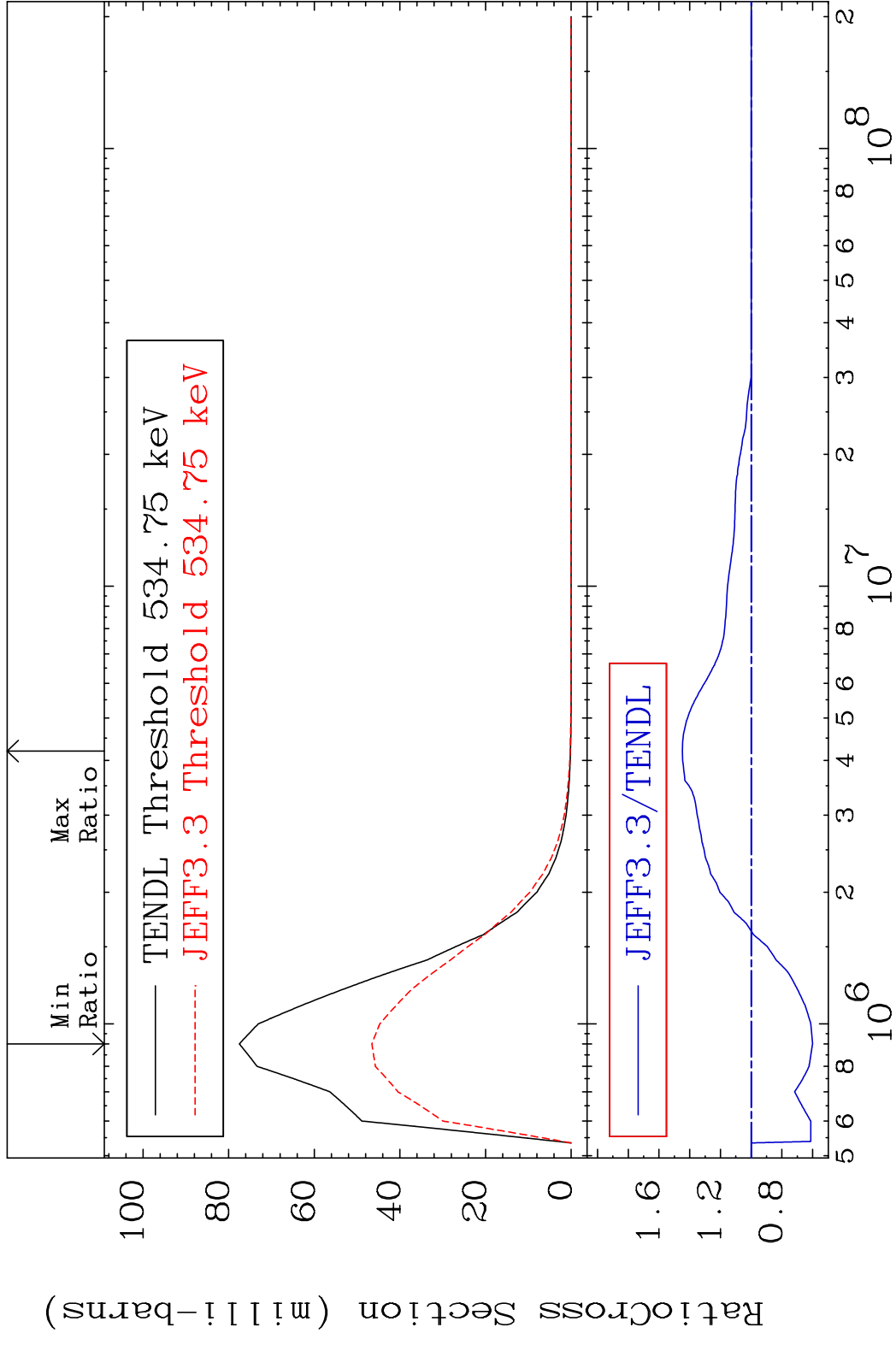
MAT 6840 MT= 60 (n, n') Level 68-Er-167  
 Cross Section -36.99 To 39.47 %



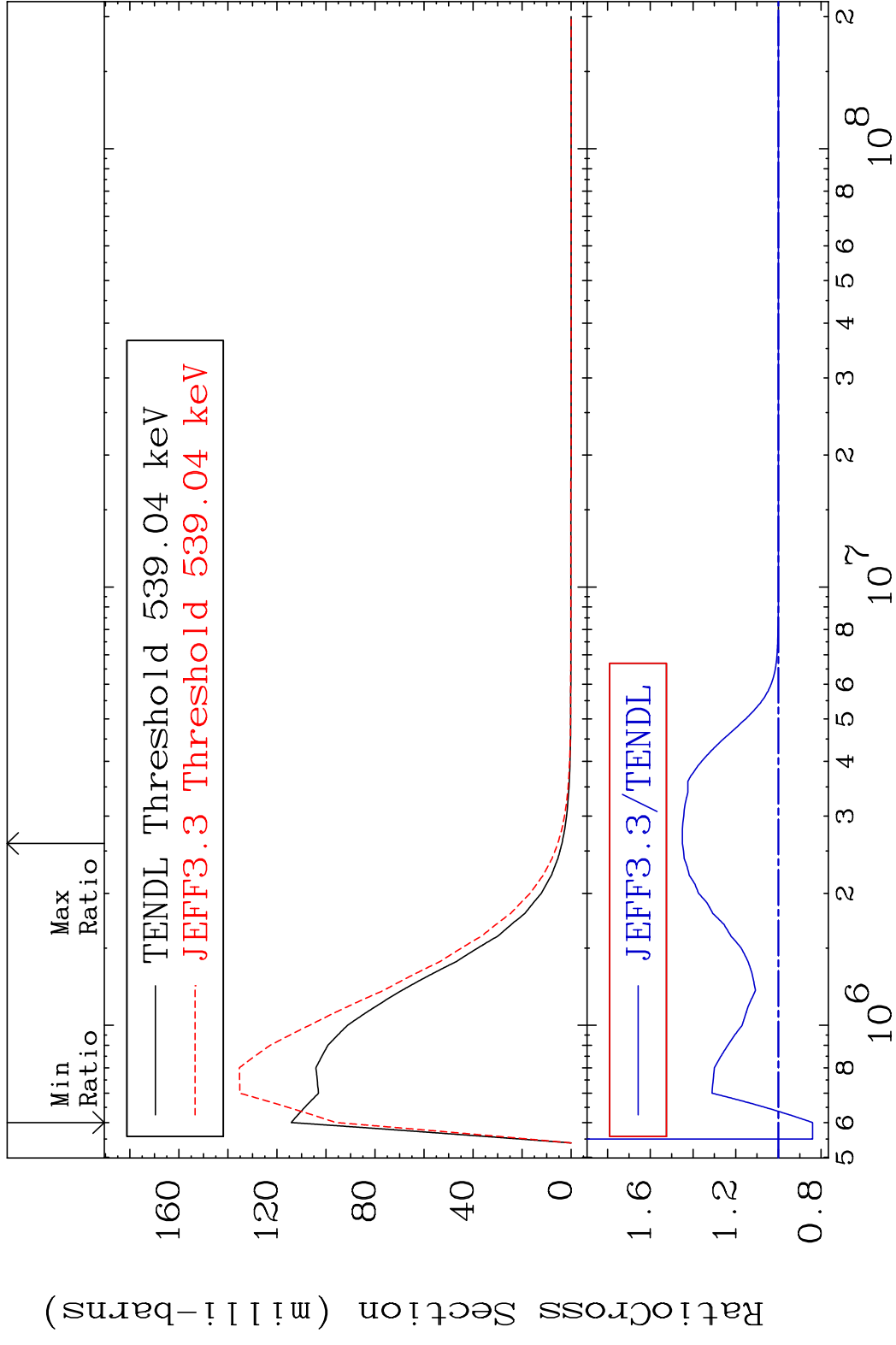
MAT 6840 MT= 61 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 48.46 %



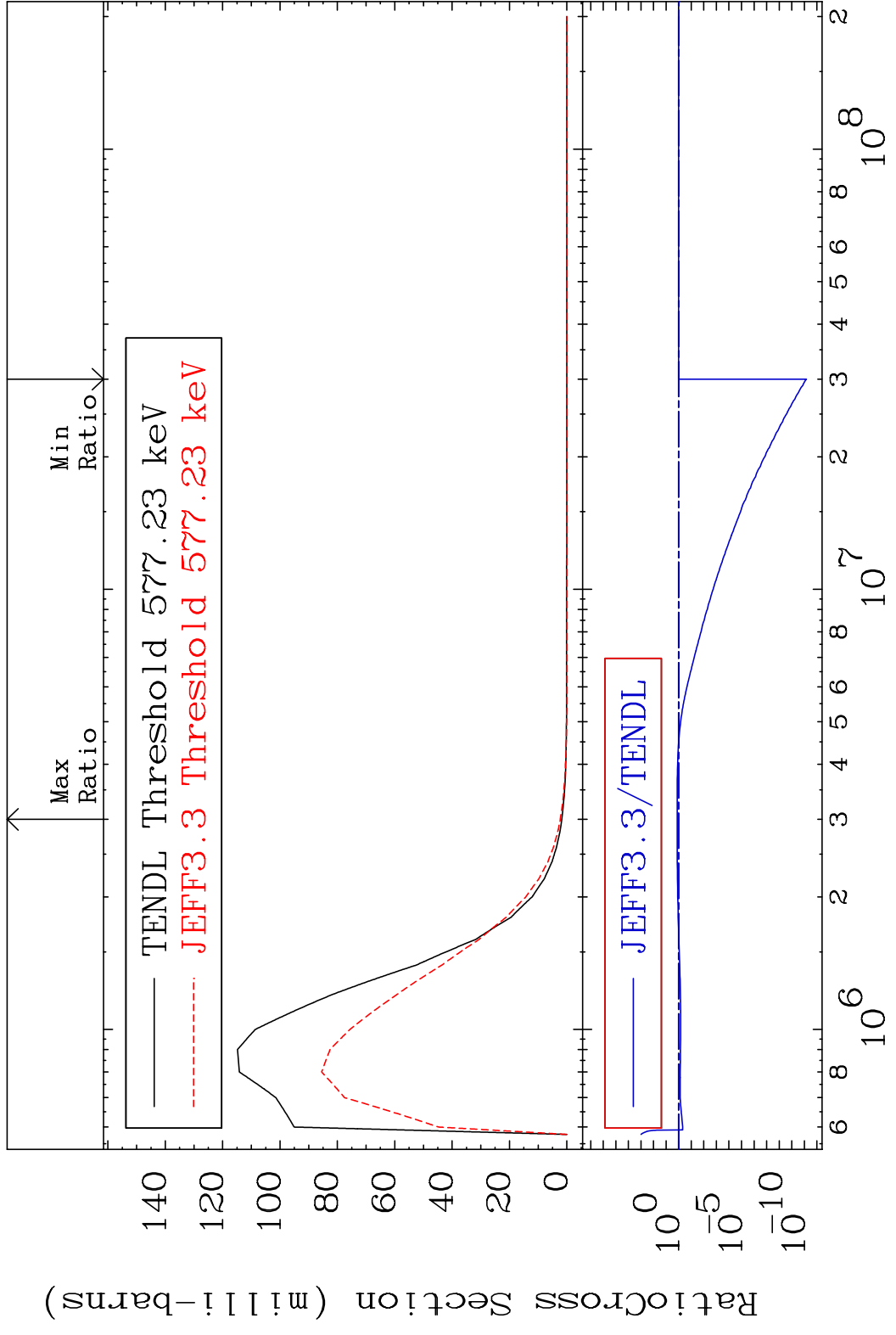
MAT 6840 MT= 62 (n, n') Level 68-Er-167  
 Cross Section -39.93 To 44.79 %



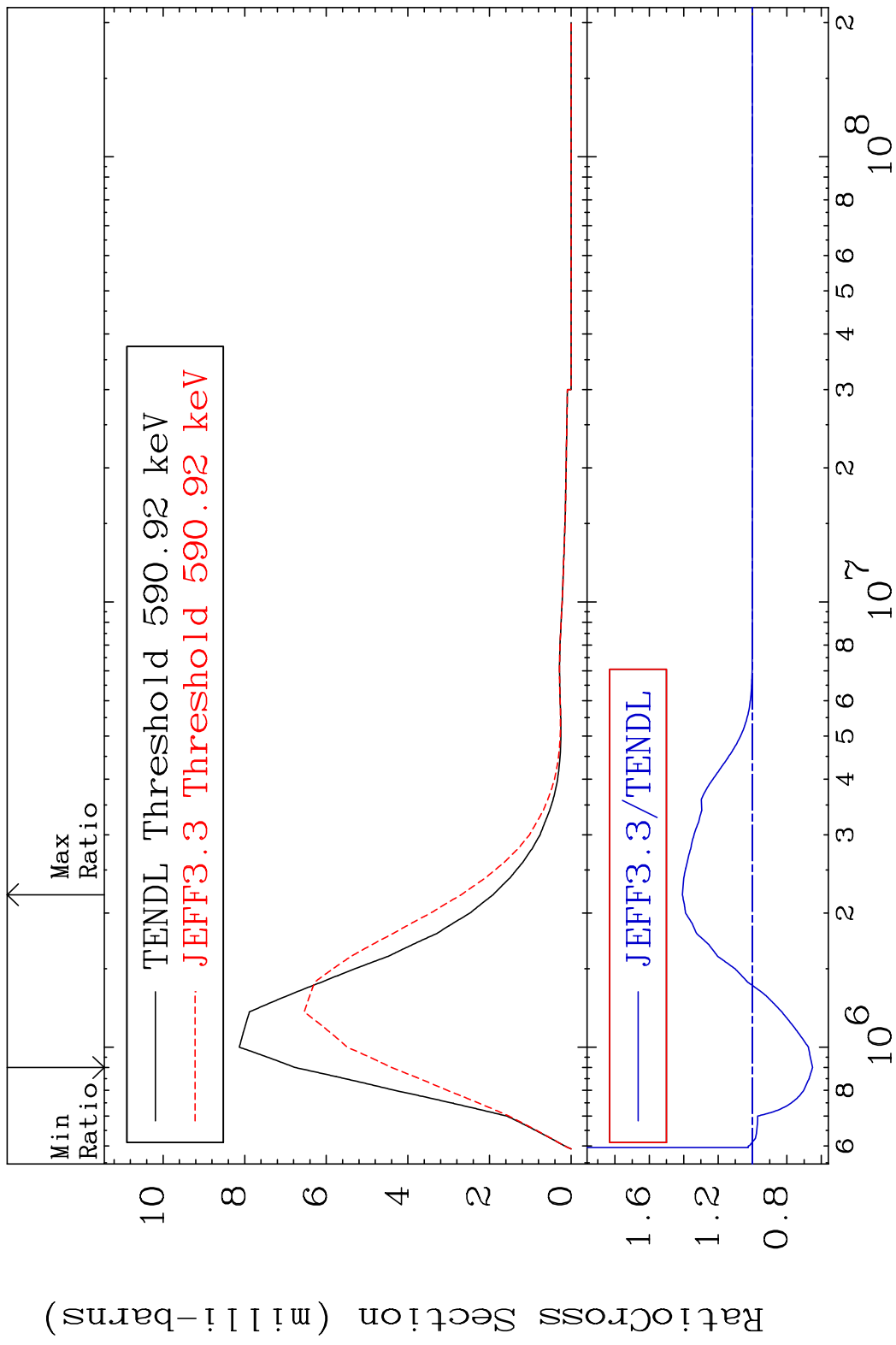
MAT 6840 MT= 63 (n, n') Level 68-Er-167  
 Cross Section -15.99 To 44.99 %



MAT 6840 MT= 64 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 30.82 %

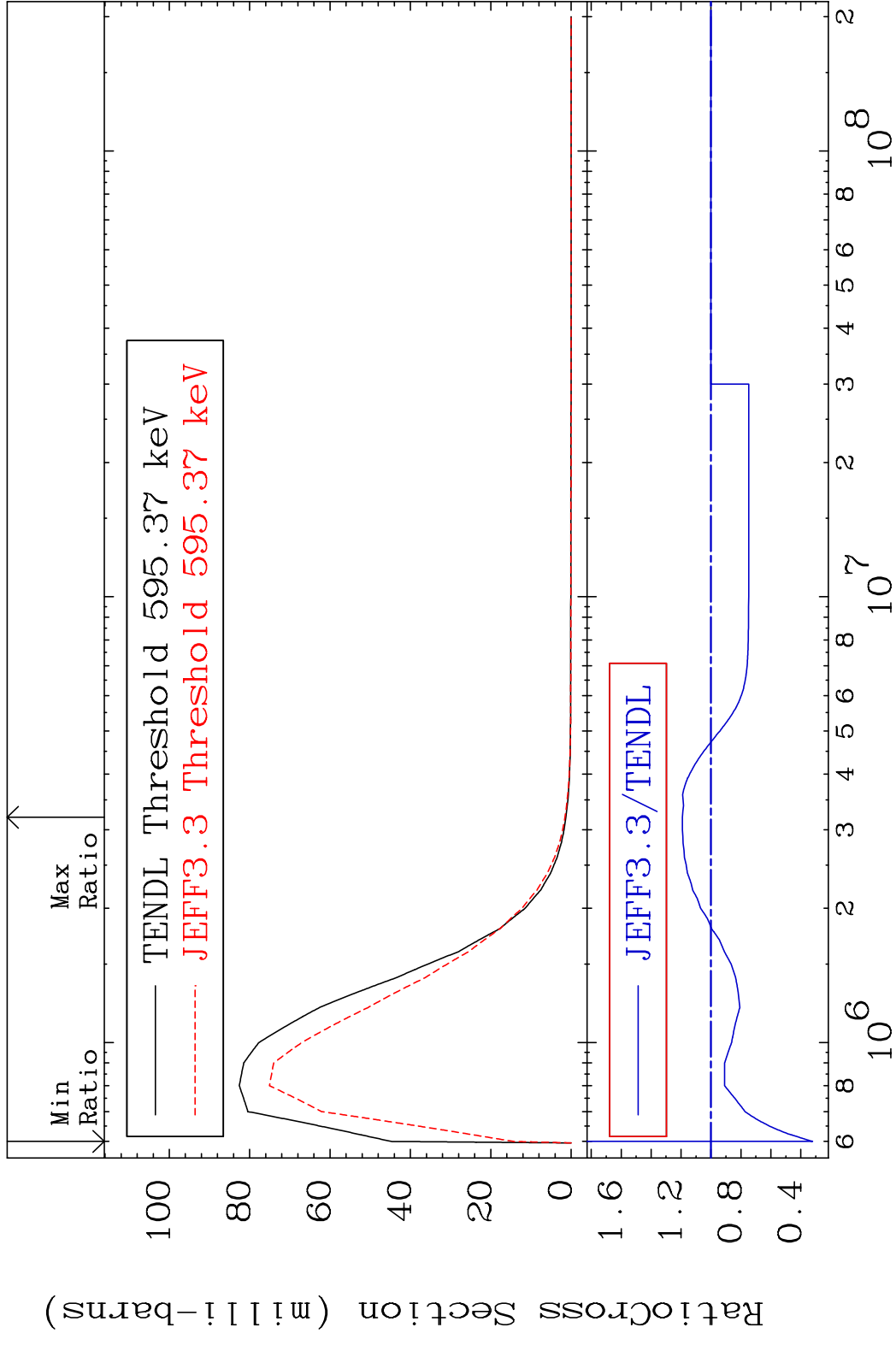


MAT 6840 MT= 65 (n,n') Level 68-Er-167  
 Cross Section -34.94 To 40.78 %

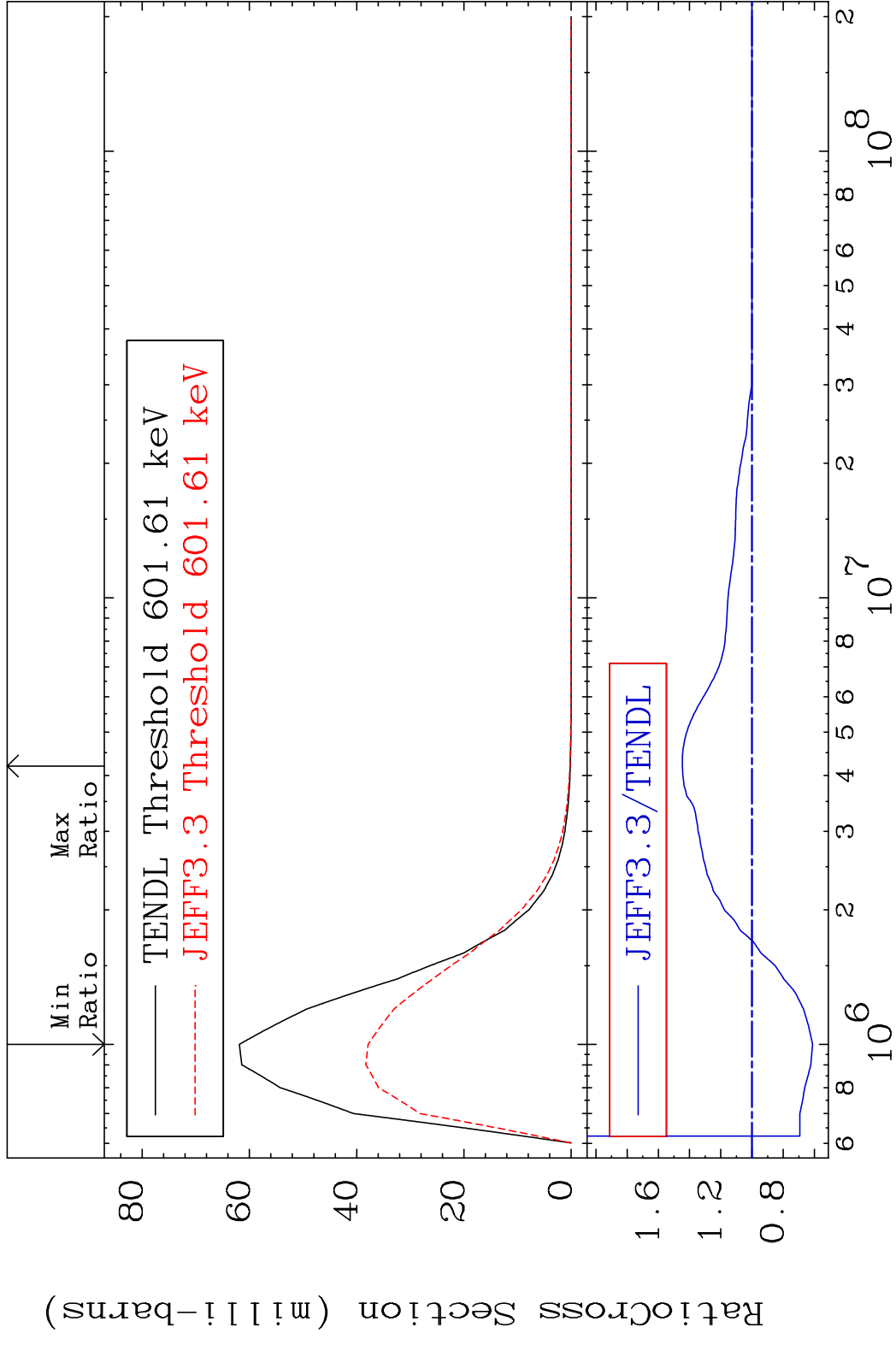


35 Incident Energy (eV) 68-Er-167

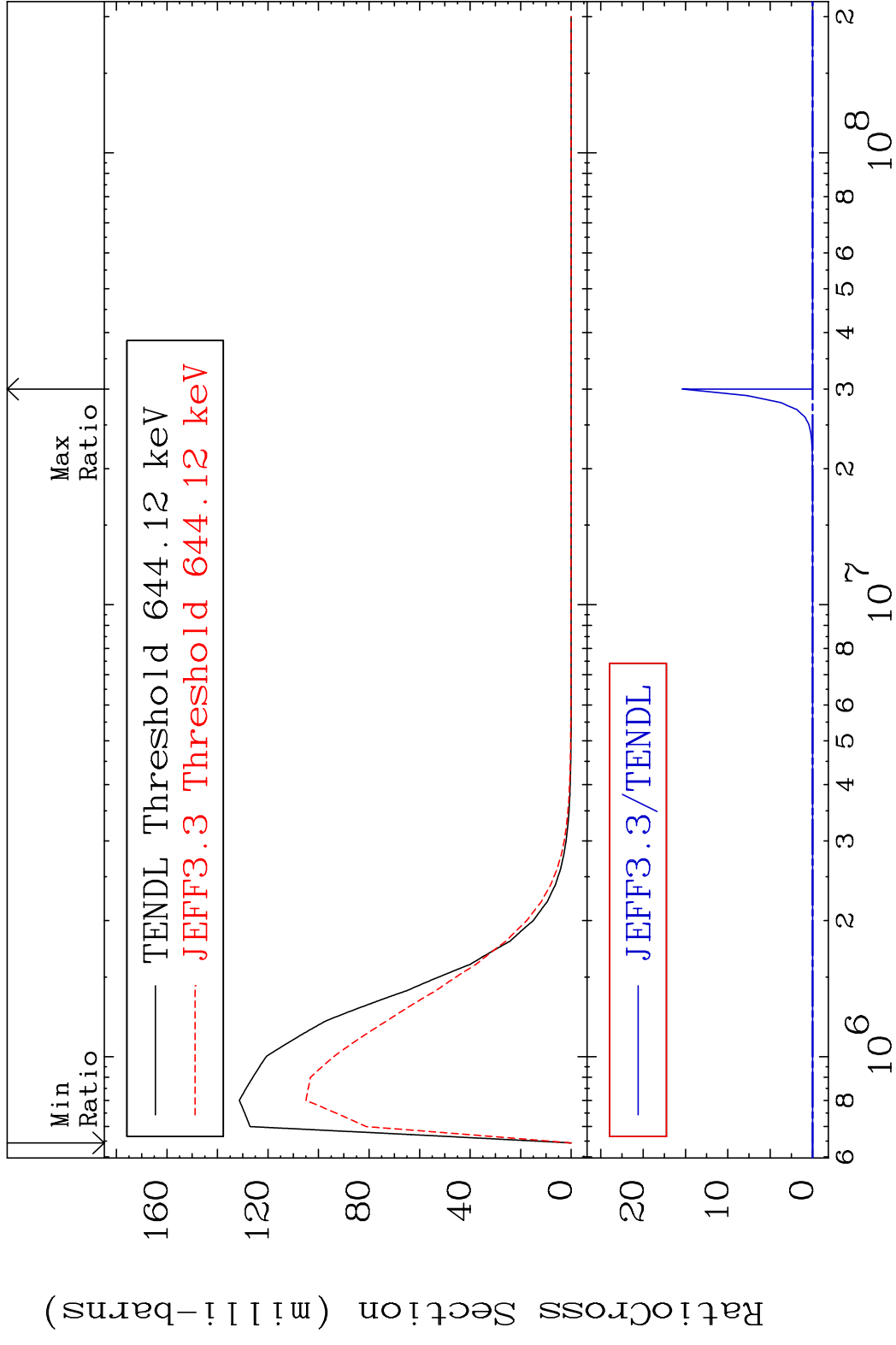
MAT 6840 MT= 66 (n,n') Level 68-Er-167  
 Cross Section -67.86 To 19.12 %



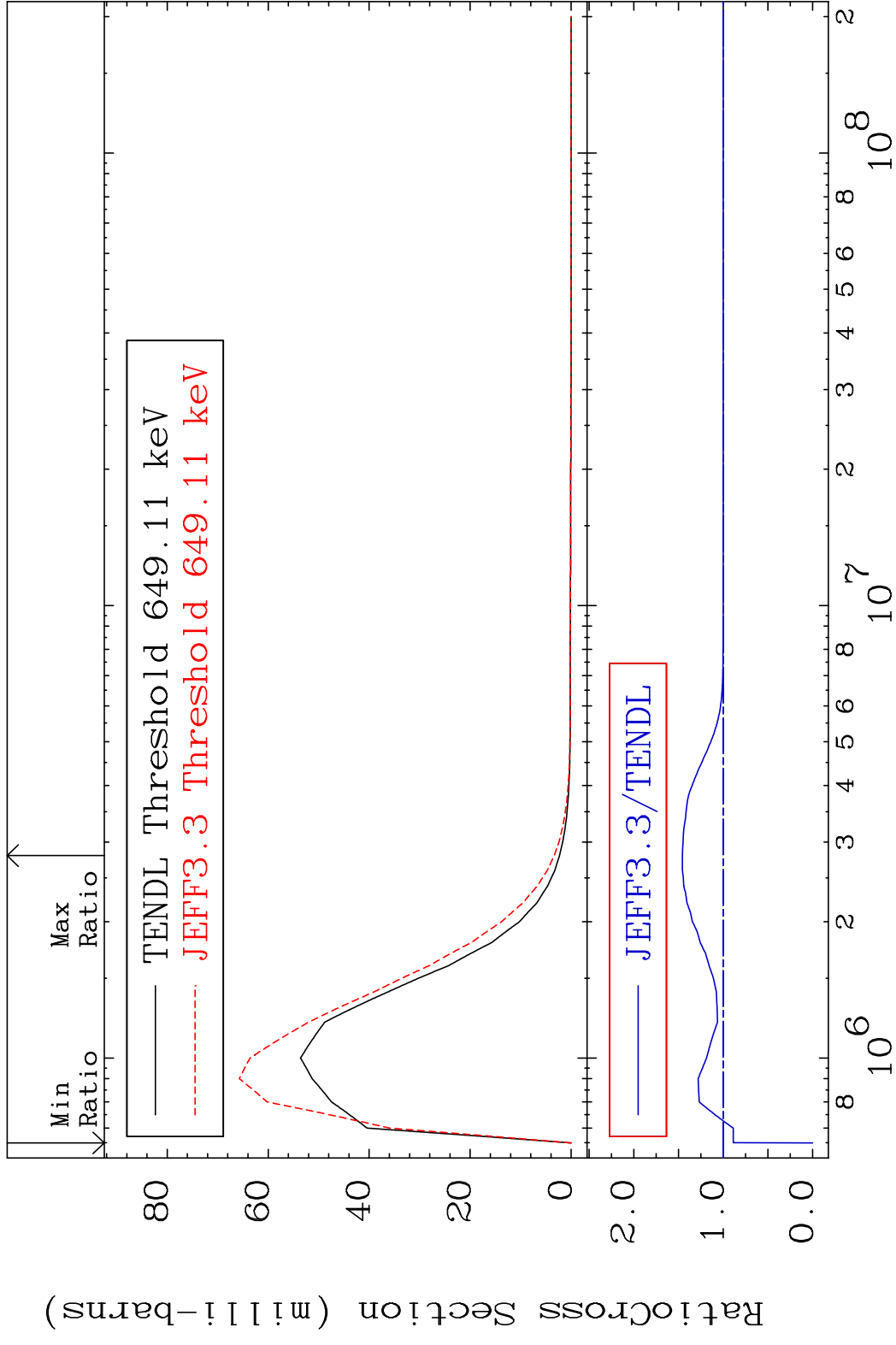
MAT 6840 MT= 67 (n, n') Level 68-Er-167  
 Cross Section -38.80 To 44.61 %



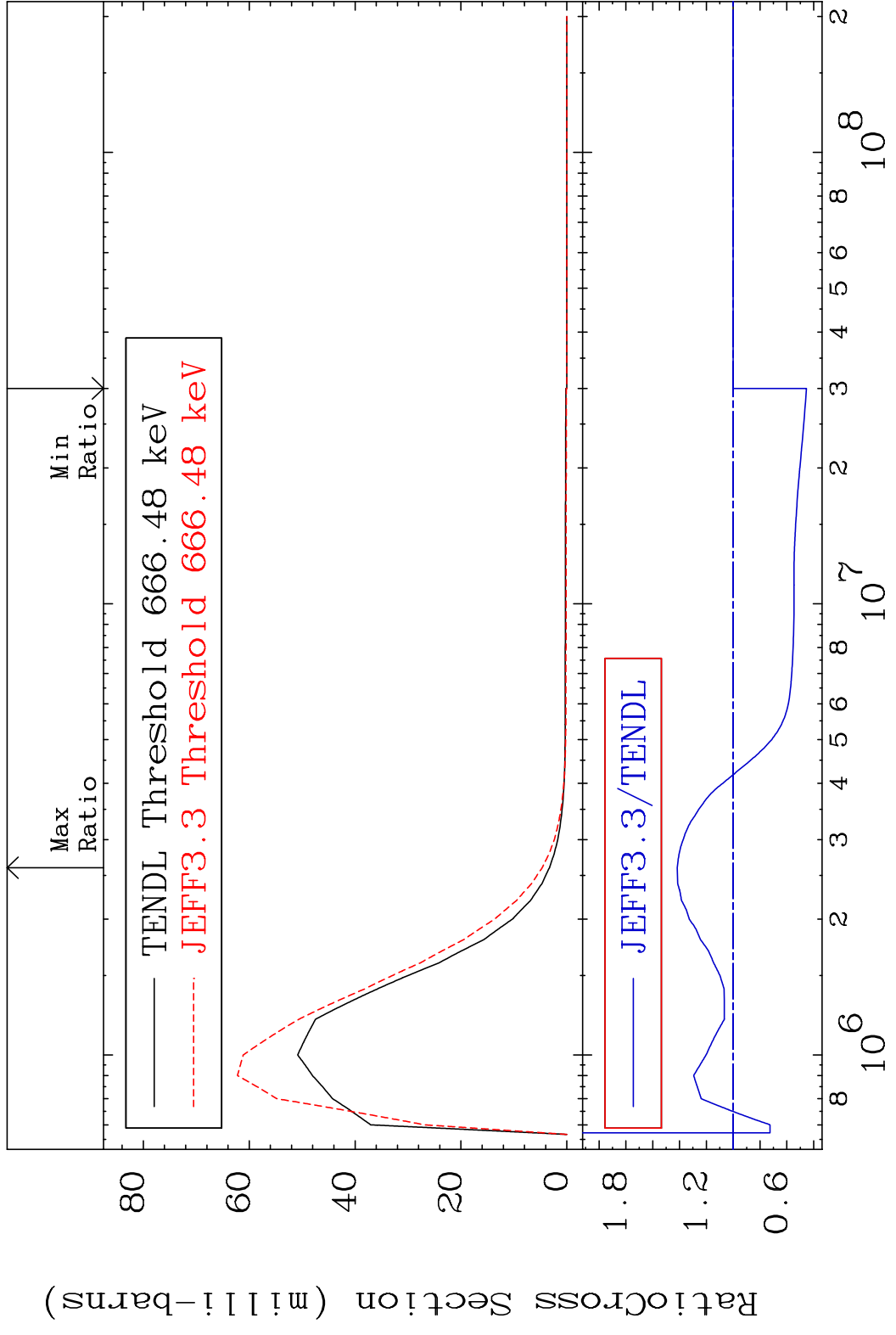
MAT 6840 MT= 68 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 9999. %



MAT 6840 MT= 69 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 45.75 %

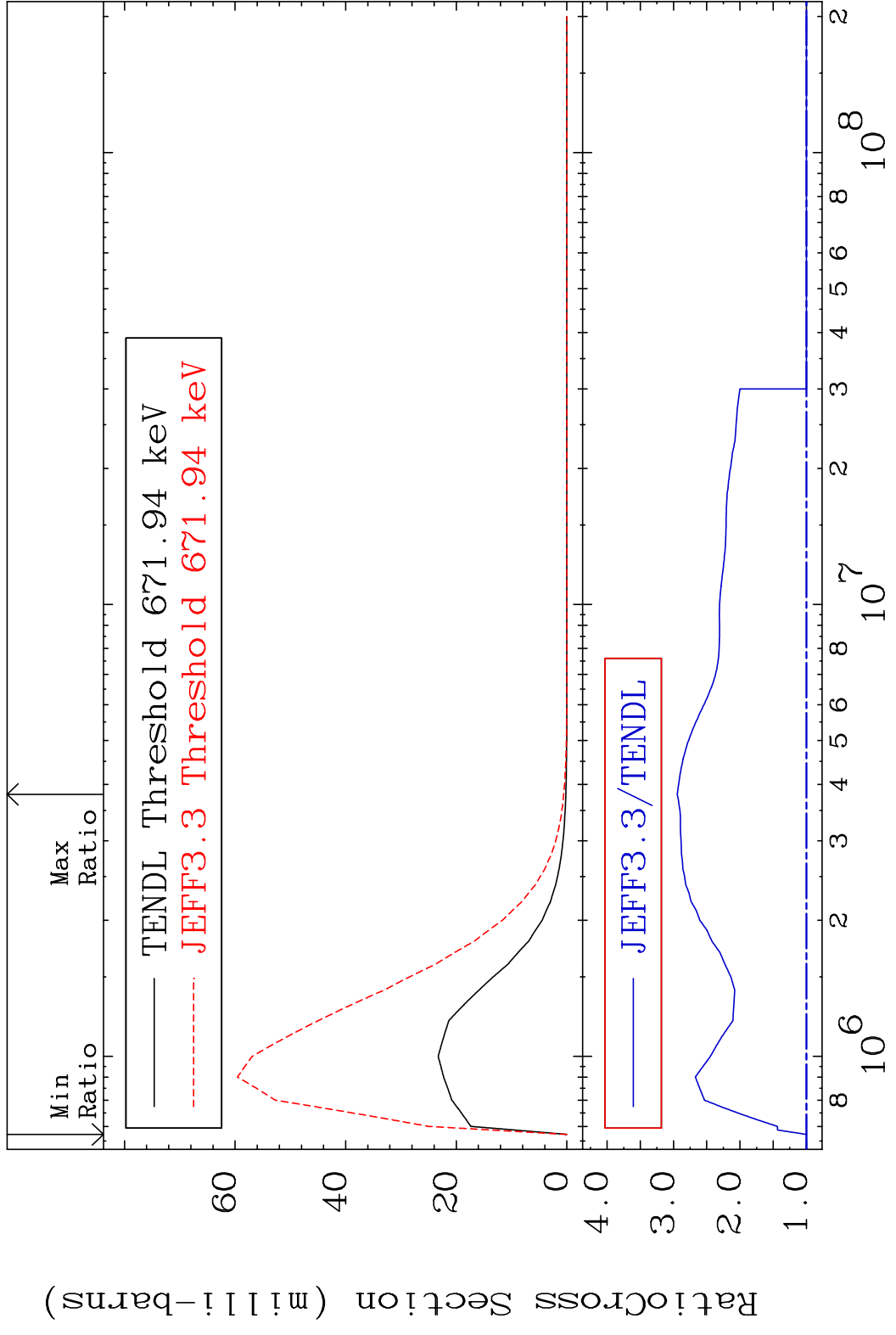


MAT 6840 MT= 70 (n,n') Level 68-Er-167  
 Cross Section -54.57 To 41.74 %

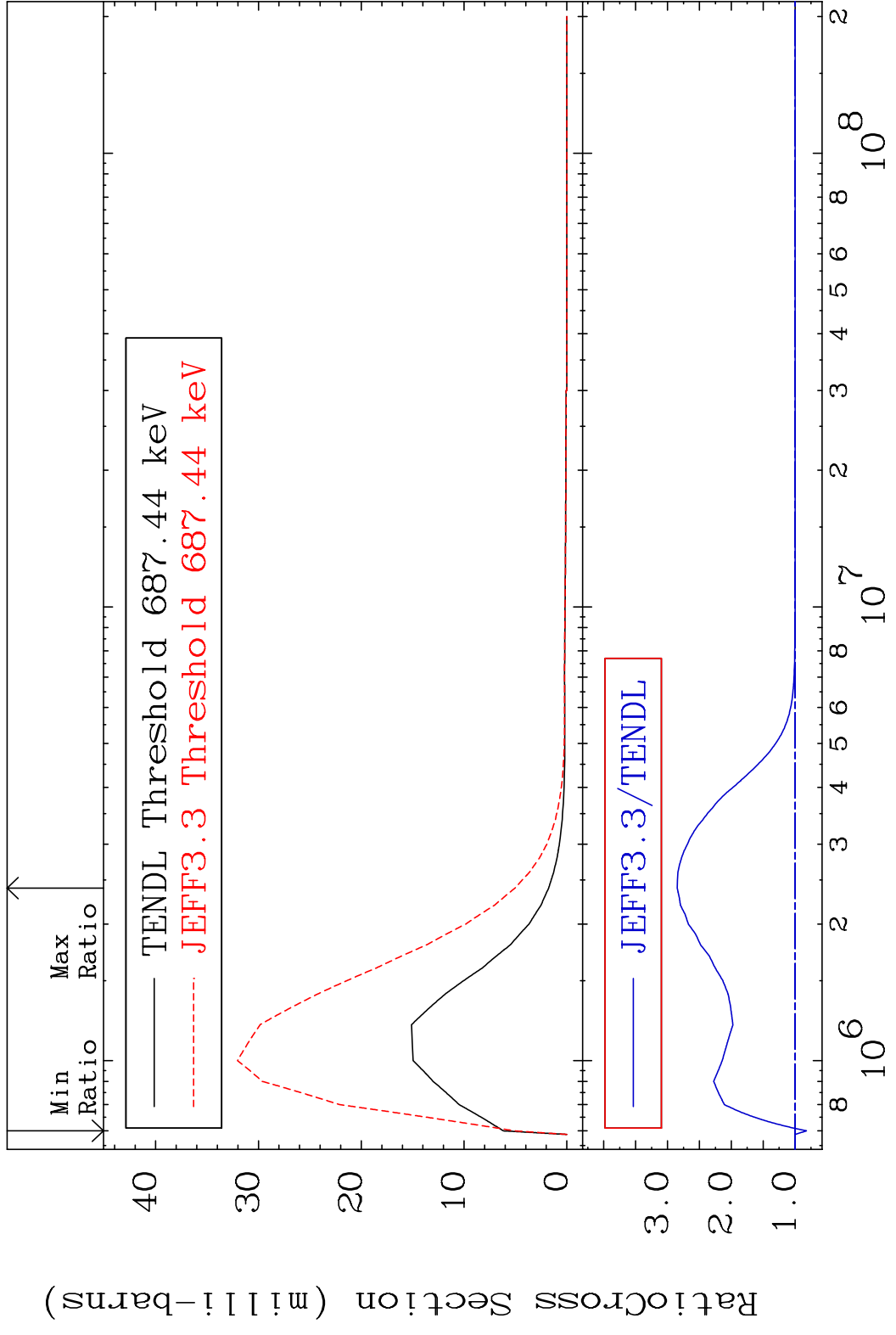


40 Incident Energy (eV) 68-Er-167

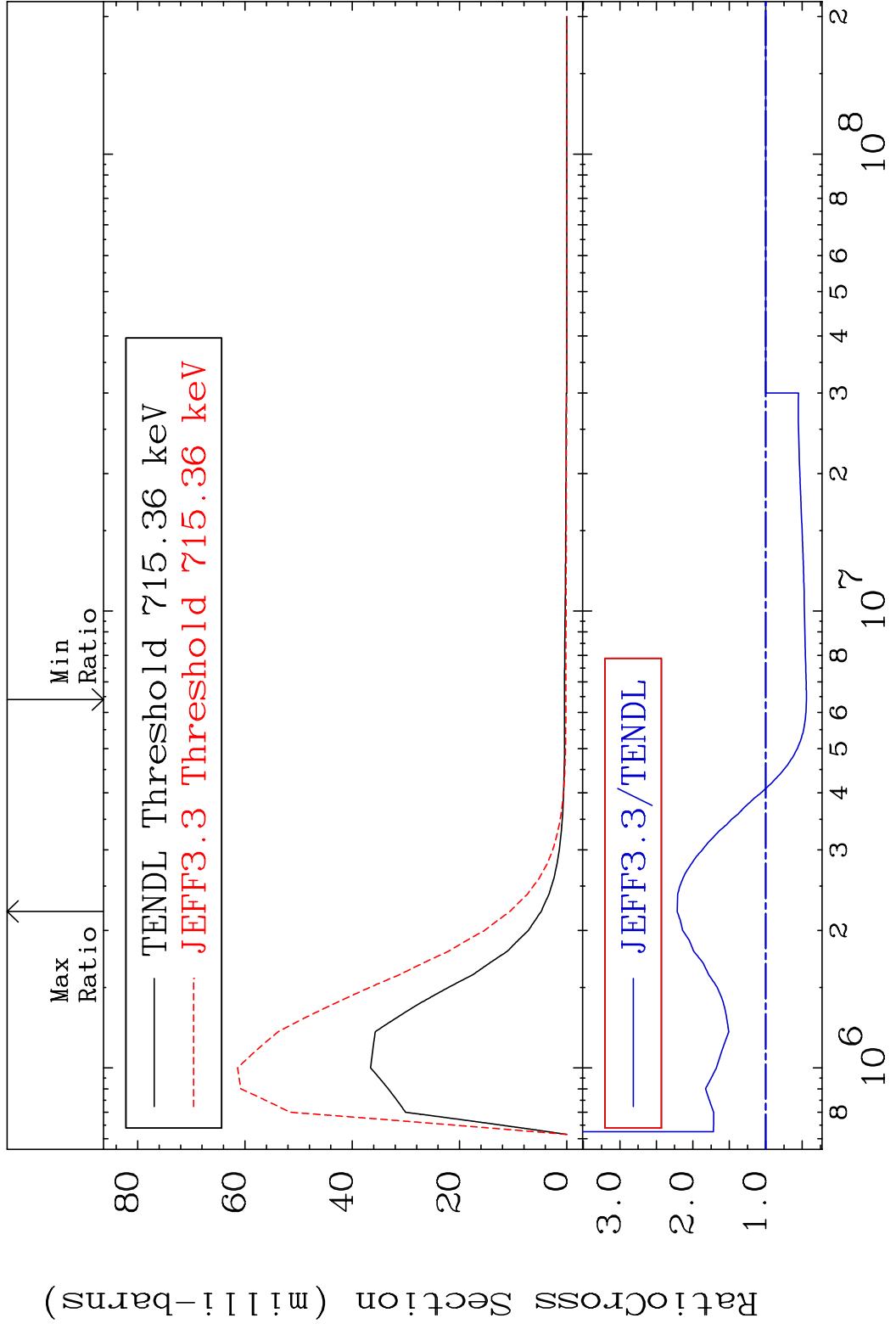
MAT 6840 MT= 71 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 194.5 %



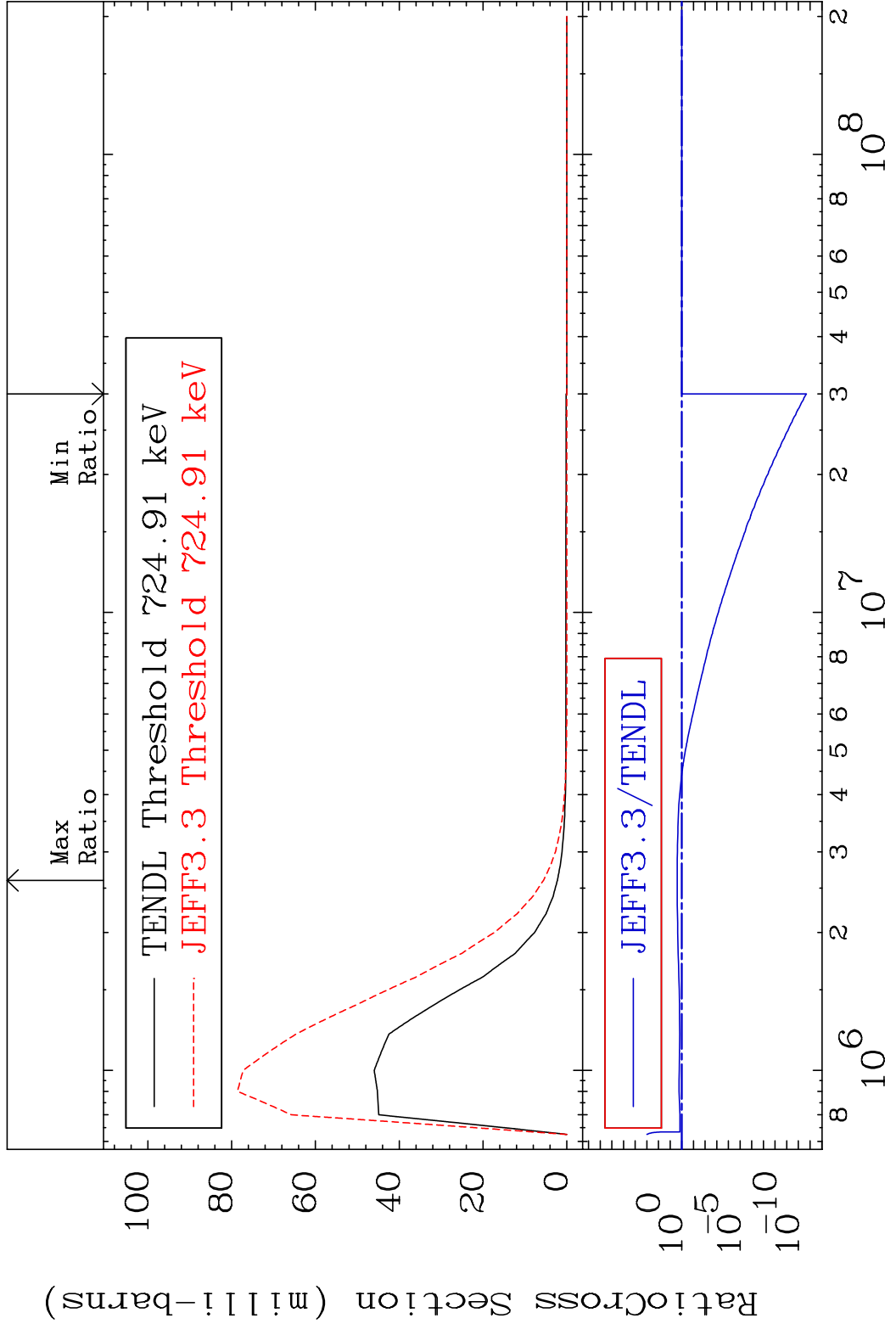
MAT 6840 MT= 72 (n,n') Level 68-Er-167  
 Cross Section -17.74 To 184.9 %



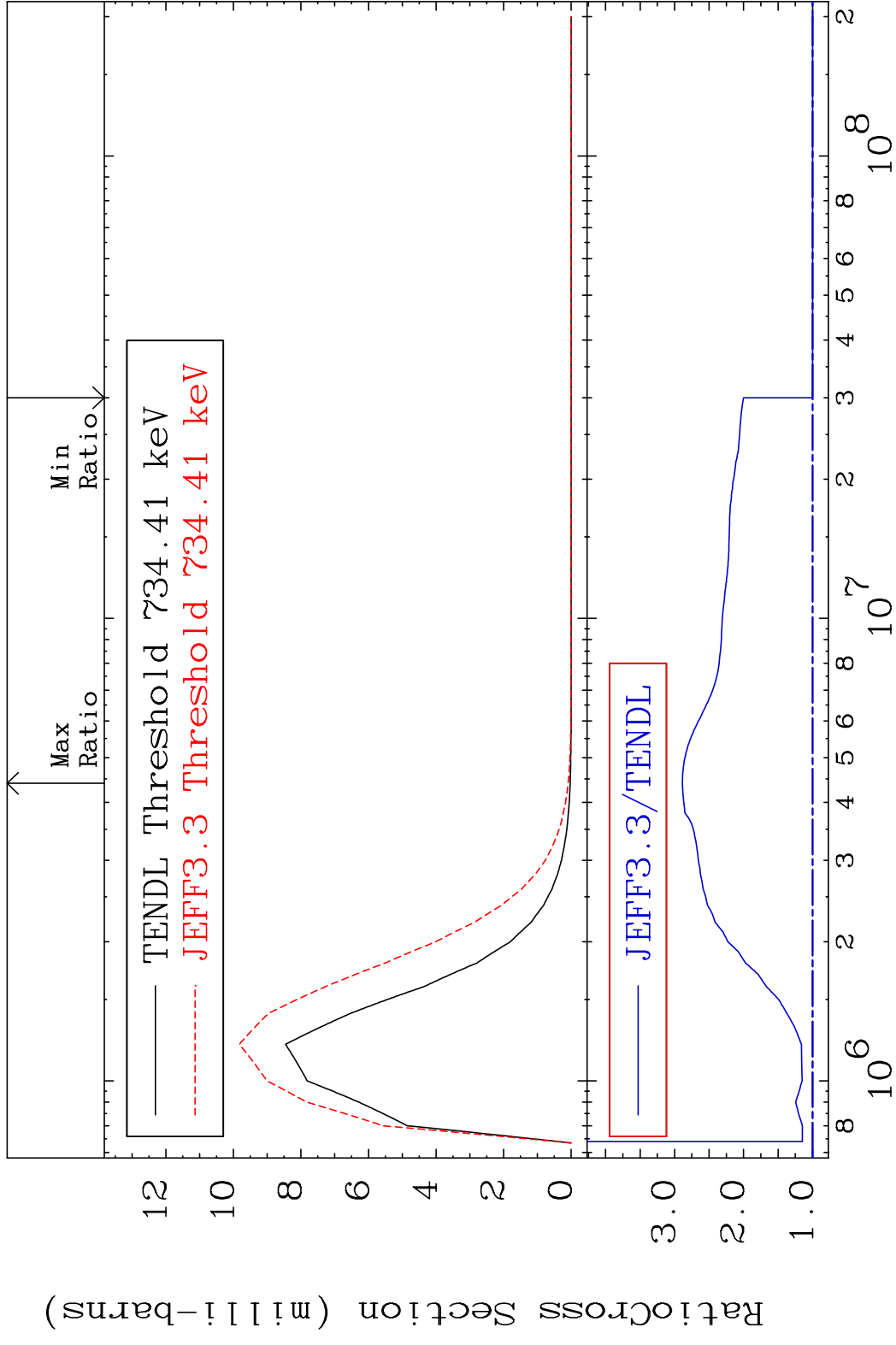
MAT 6840 MT= 73 (n, n') Level 68-Er-167  
 Cross Section -55.68 To 121.4 %



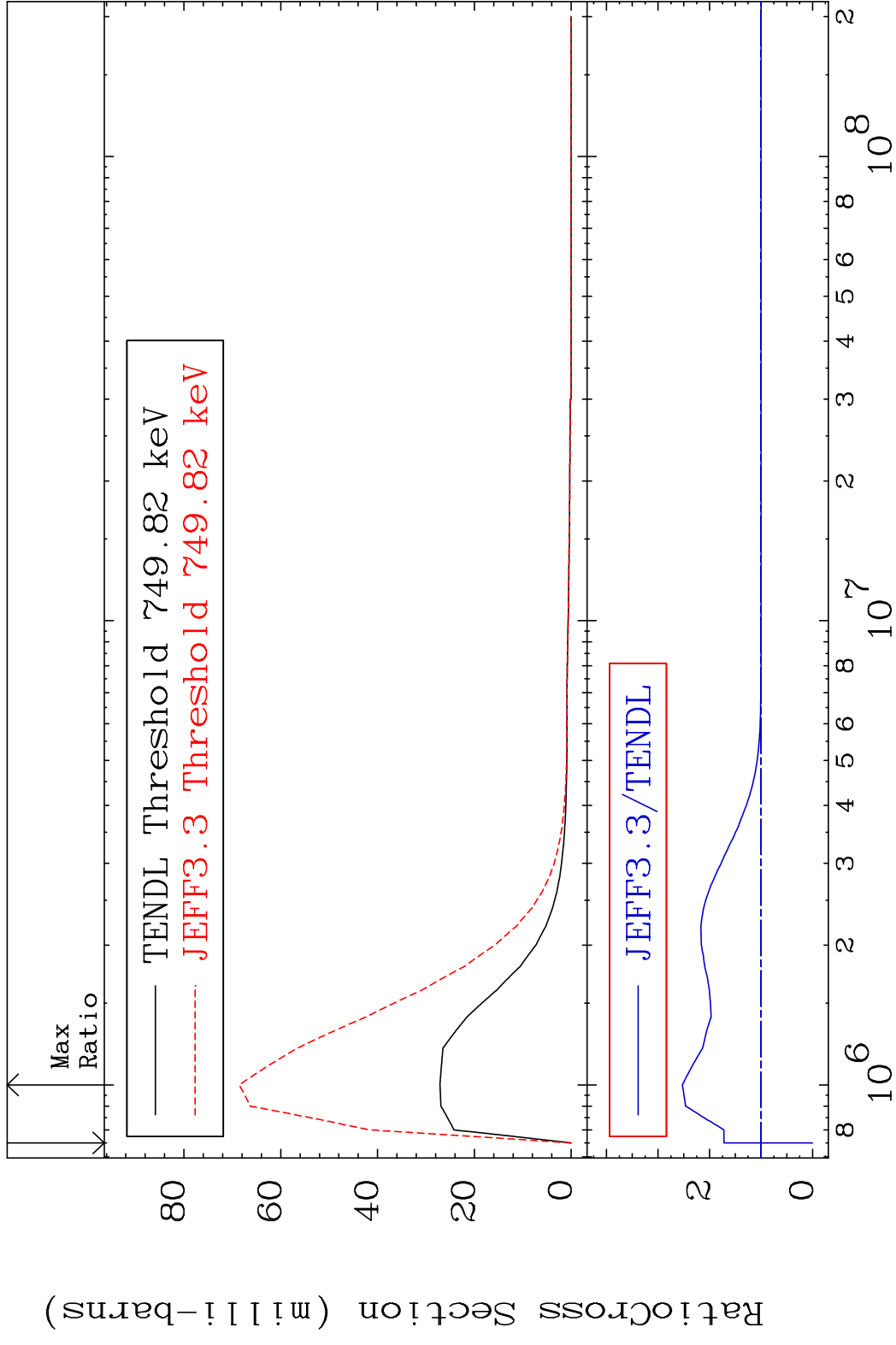
MAT 6840 MT= 74 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 148.4 %



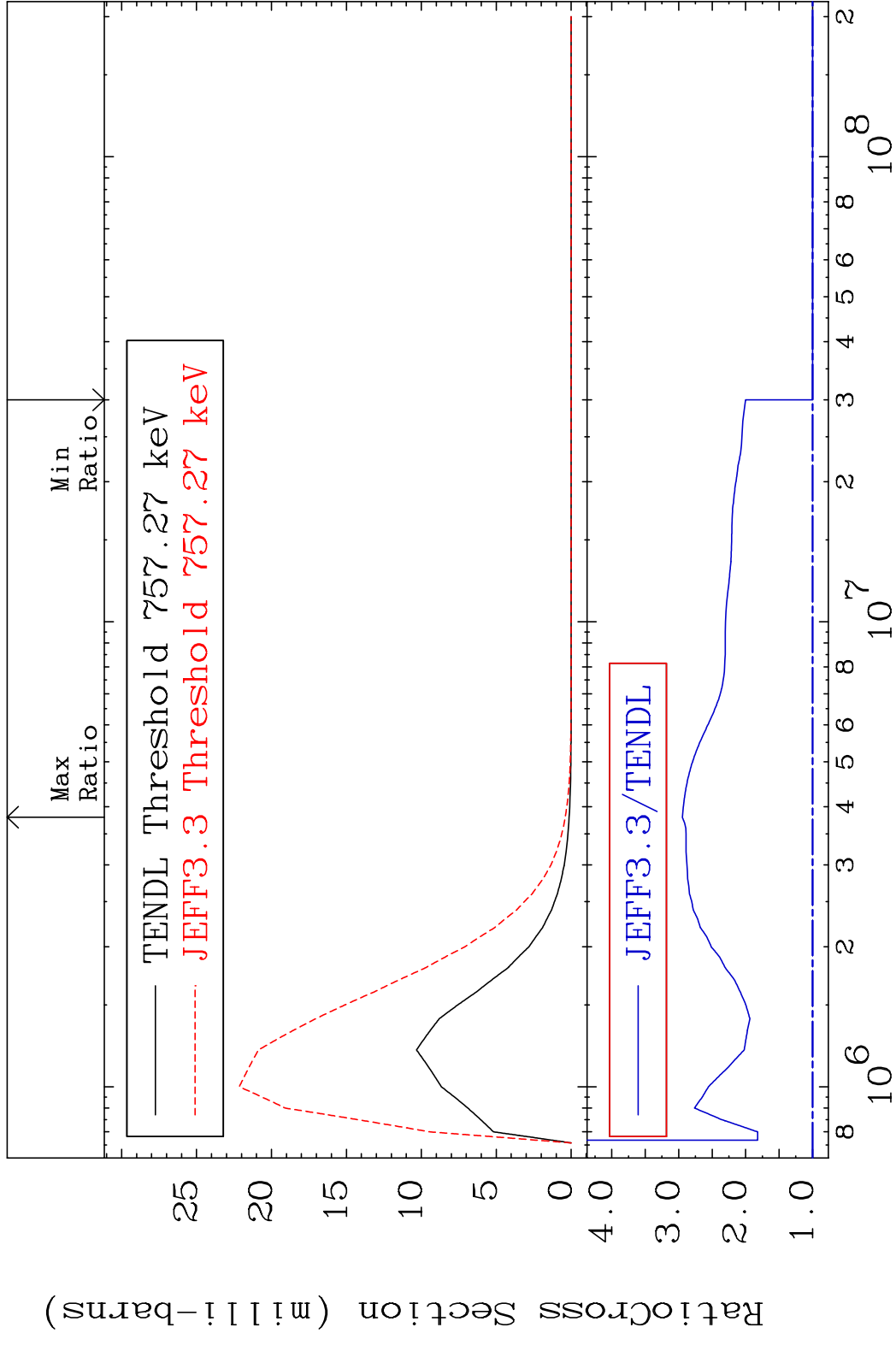
MAT 6840 MT= 75 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 188.8 %



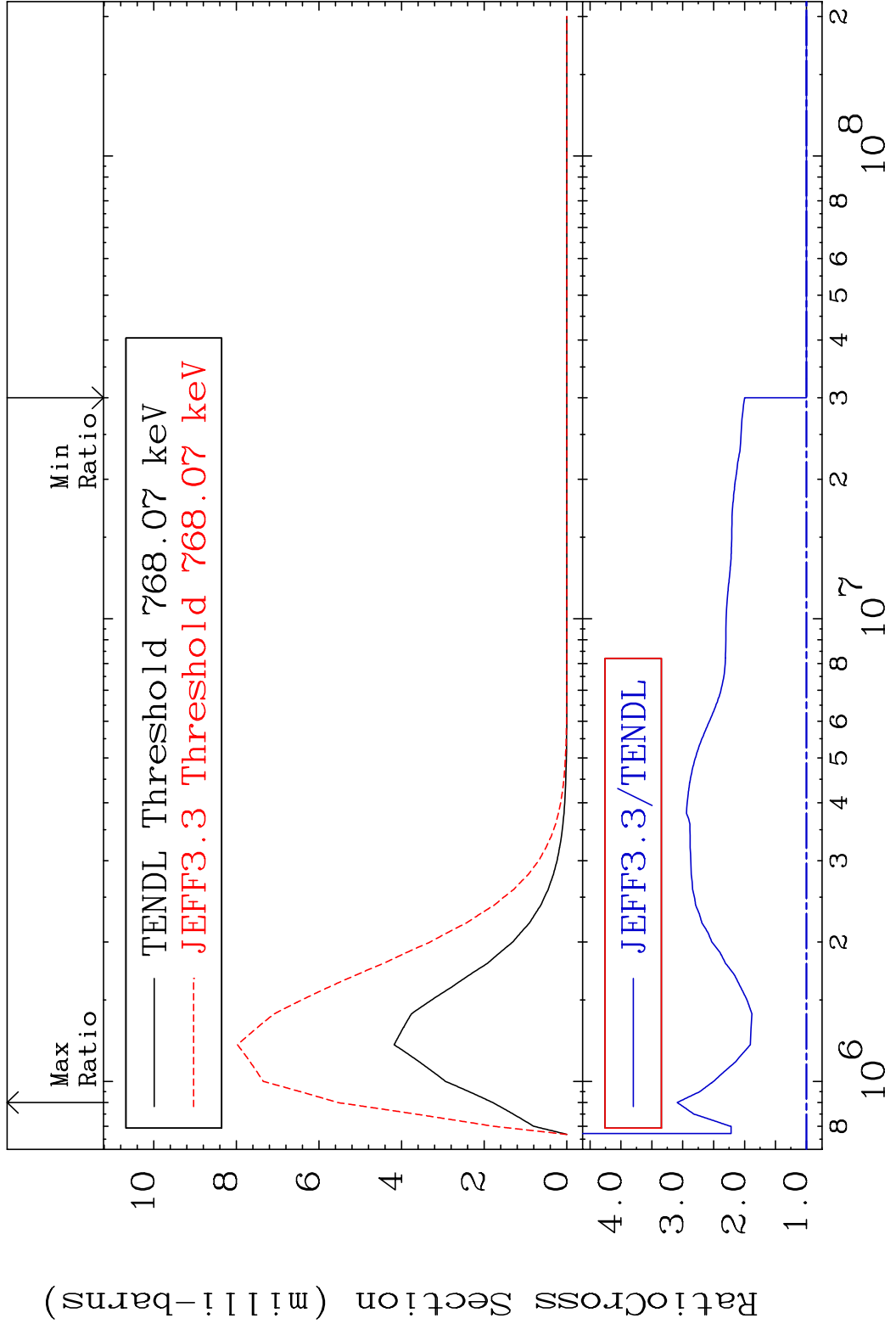
MAT 6840 MT= 76 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 152.8 %



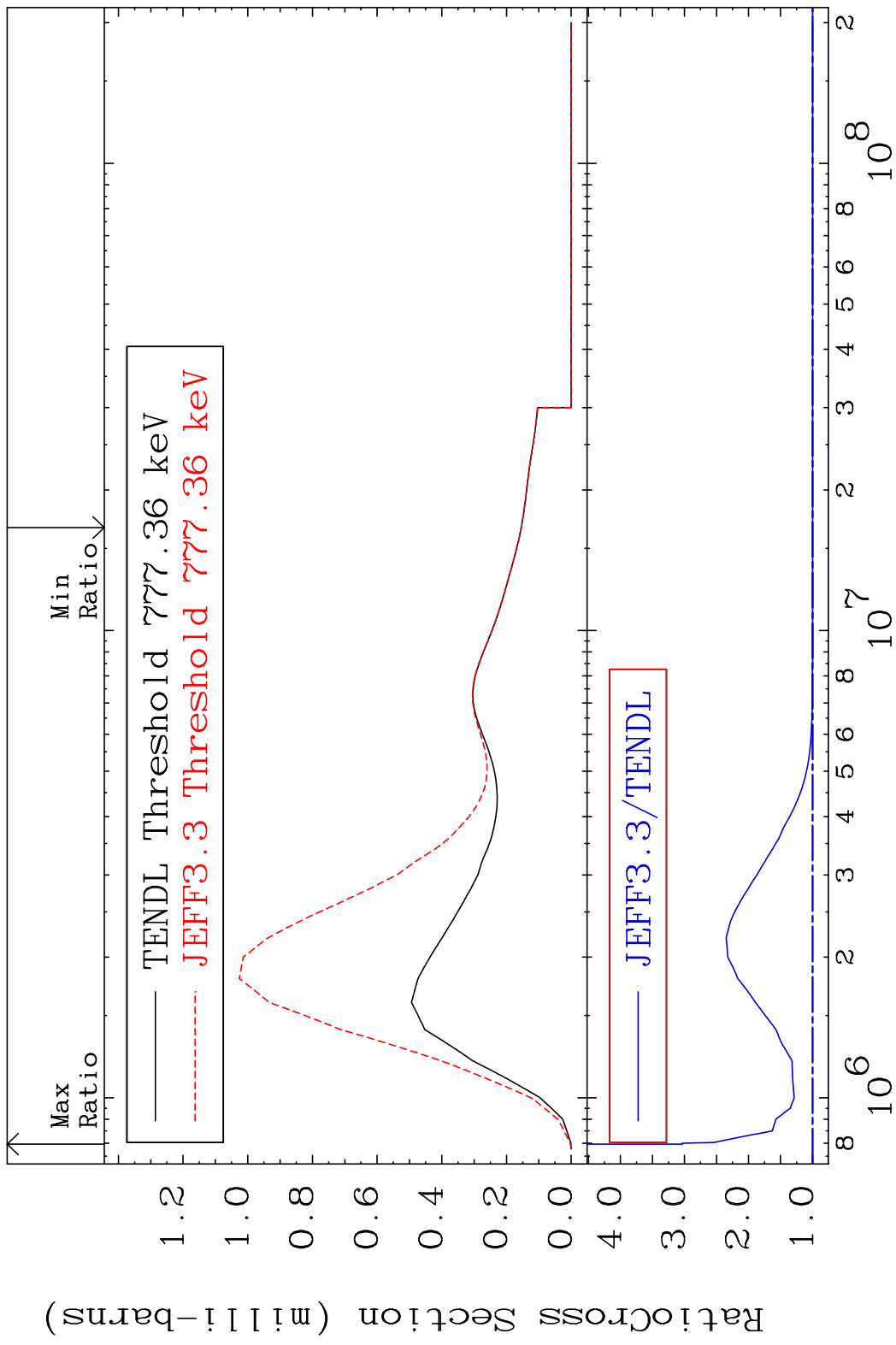
MAT 6840 MT= 77 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 194.5 %



MAT 6840 MT= 78 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 209.0 %

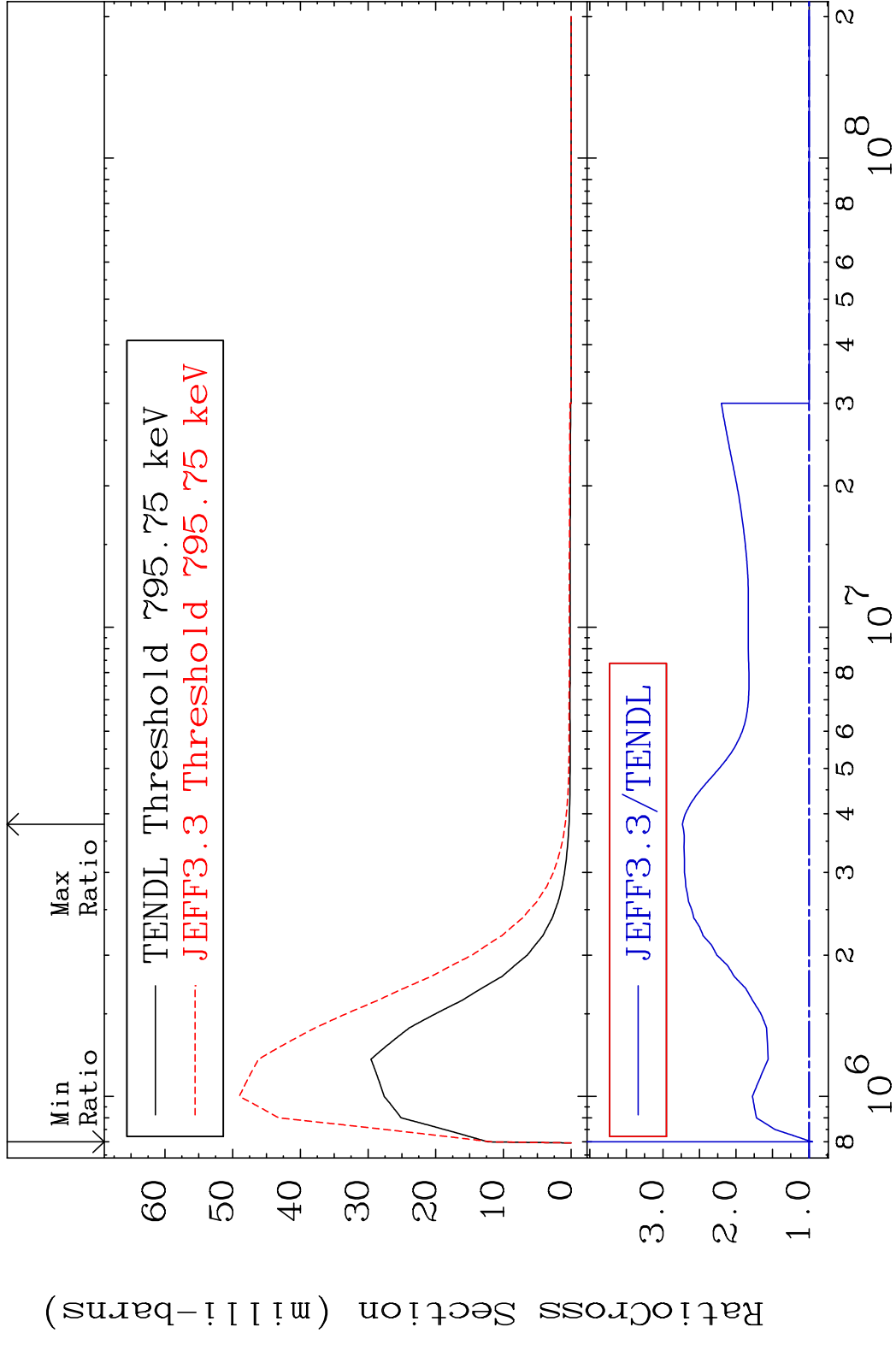


MAT 6840 MT= 79 (n, n') Level 68-Er-167  
 Cross Section 0.000 To 203.3 %

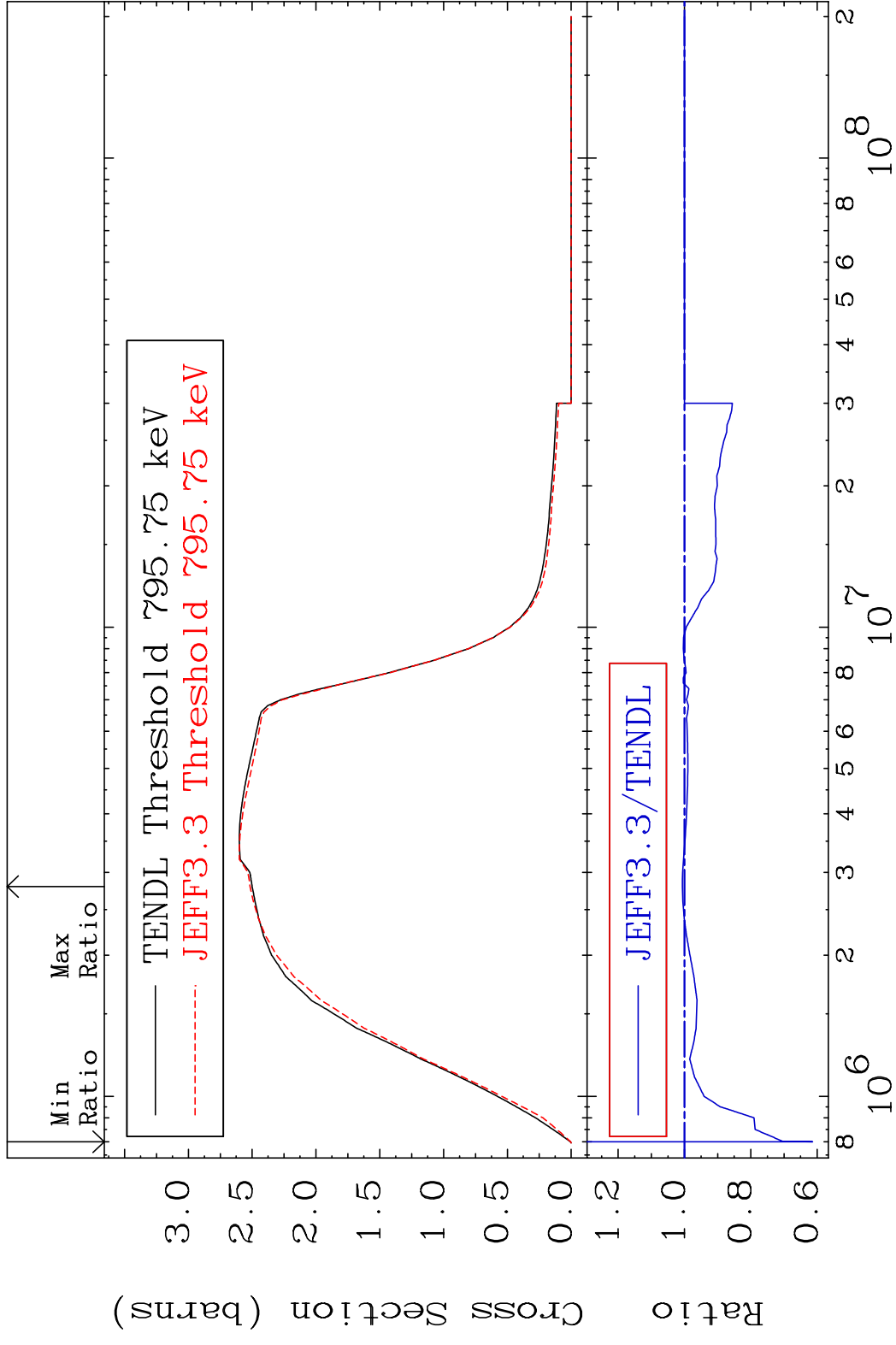


49 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 80 (n, n') Level 68-Er-167  
 Cross Section -4.760 To 173.4 %



MAT 6840 (n, n') Continuum 68-Er-167  
 Cross Section -38.61 To 0.654 %

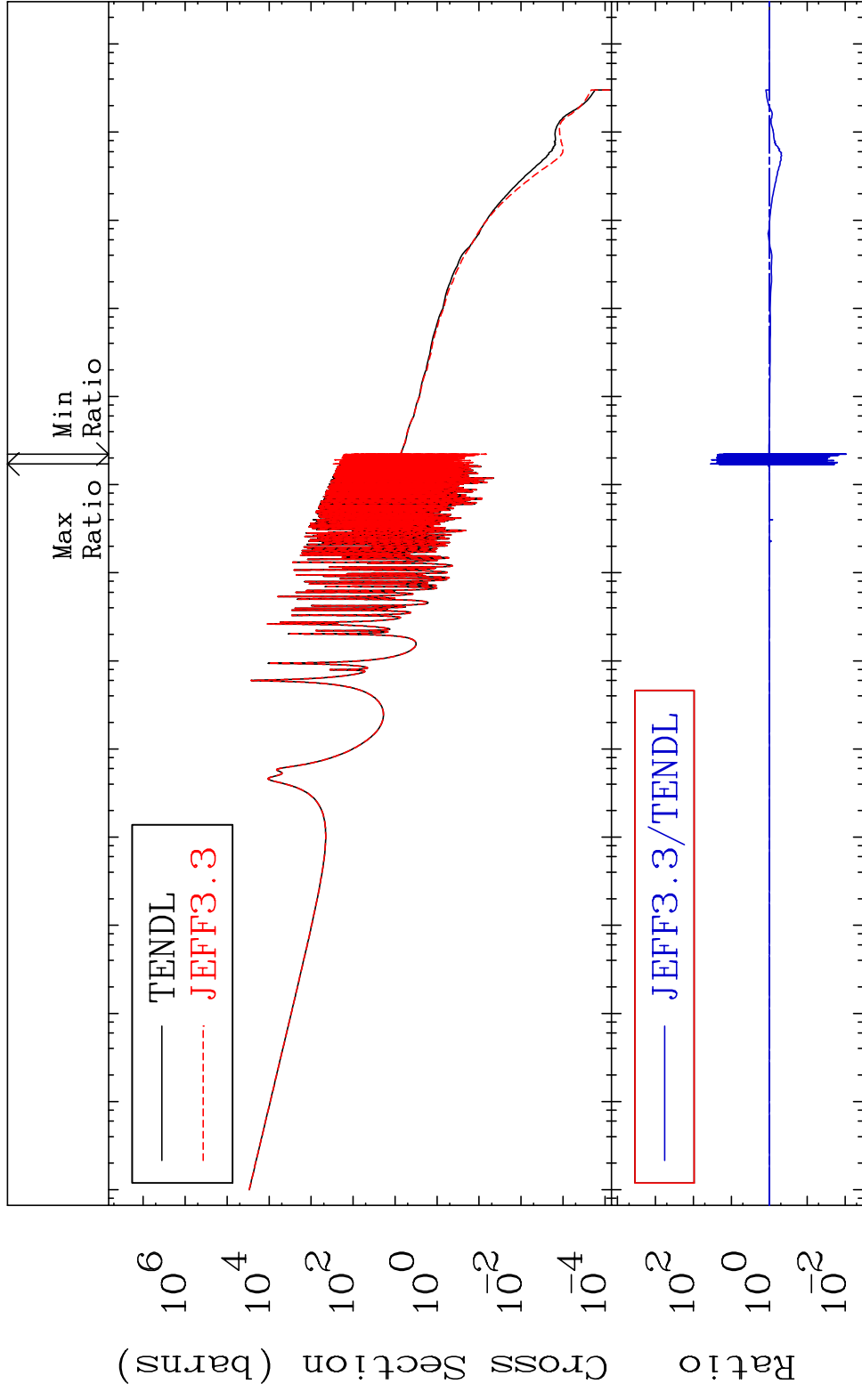


MAT 6840

68-Er-167

(n,  $\gamma$ )

Cross Section -99.06 To 3401. %



Incident Energy (eV) 68-Er-167

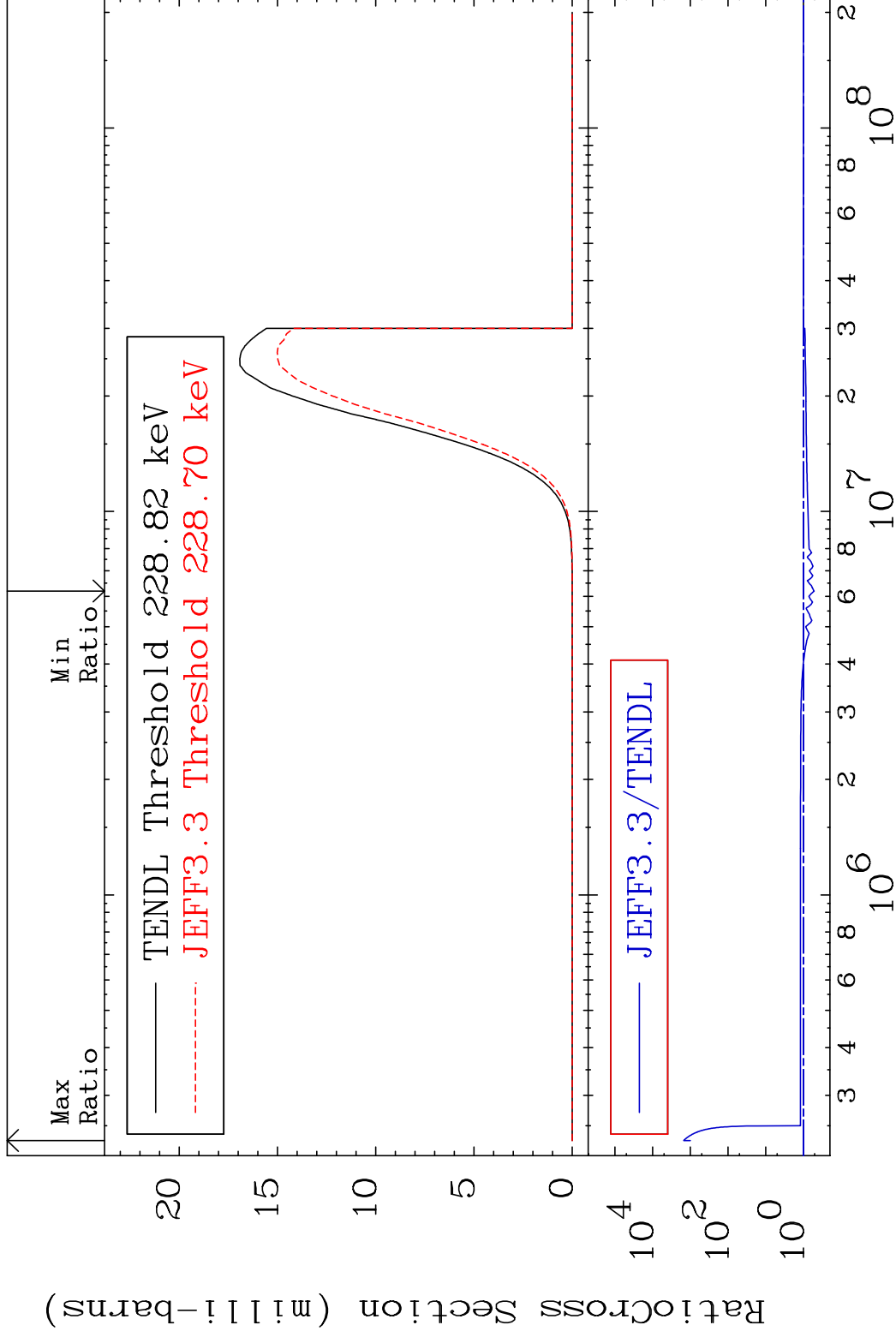
MAT 6840

(n, p)

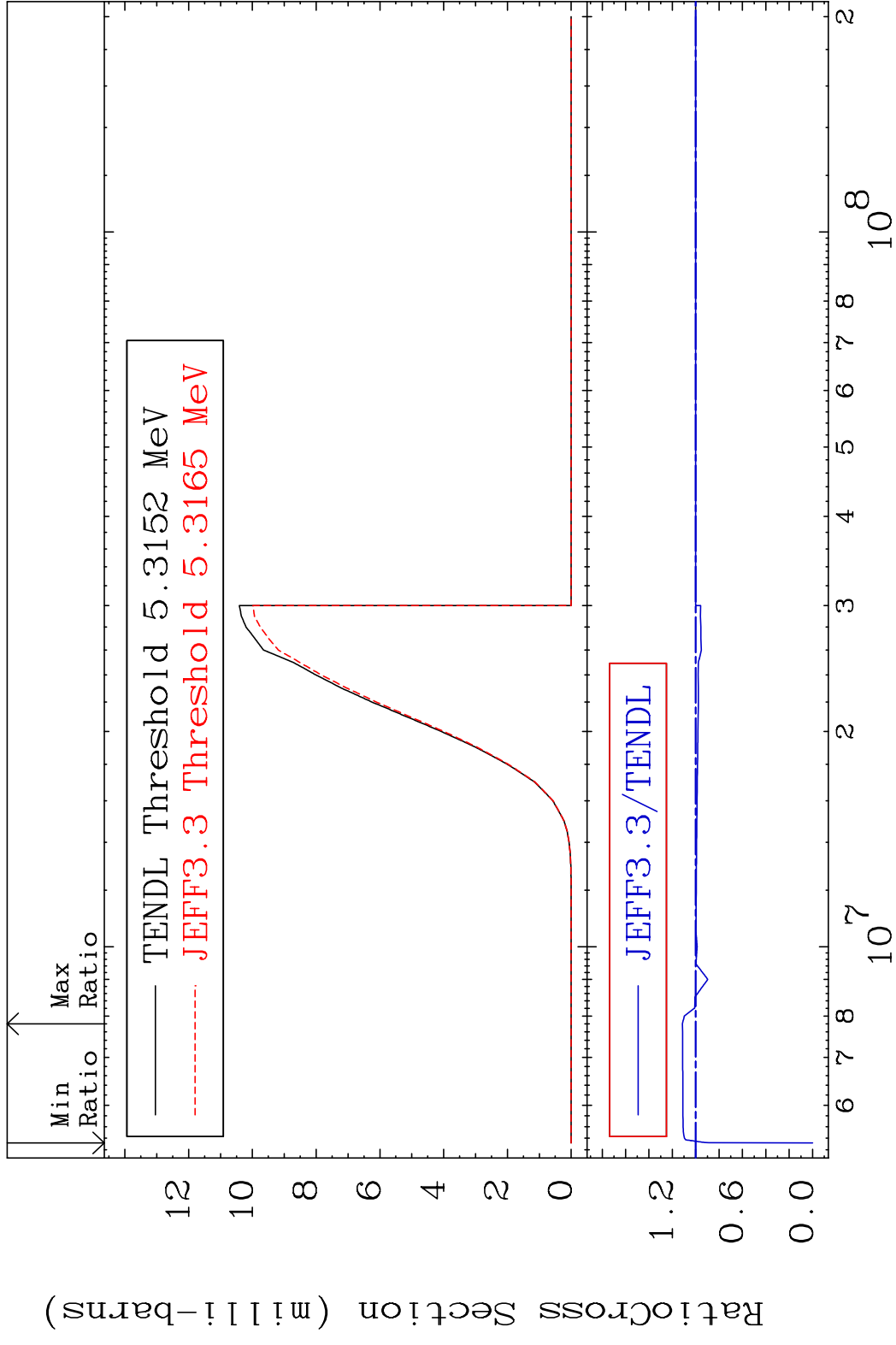
68-Er-167

Cross Section

-48.11 To 9999. %



MAT 6840 (n,d) 68-Er-167  
 Cross Section -100.0 To 11.43 %

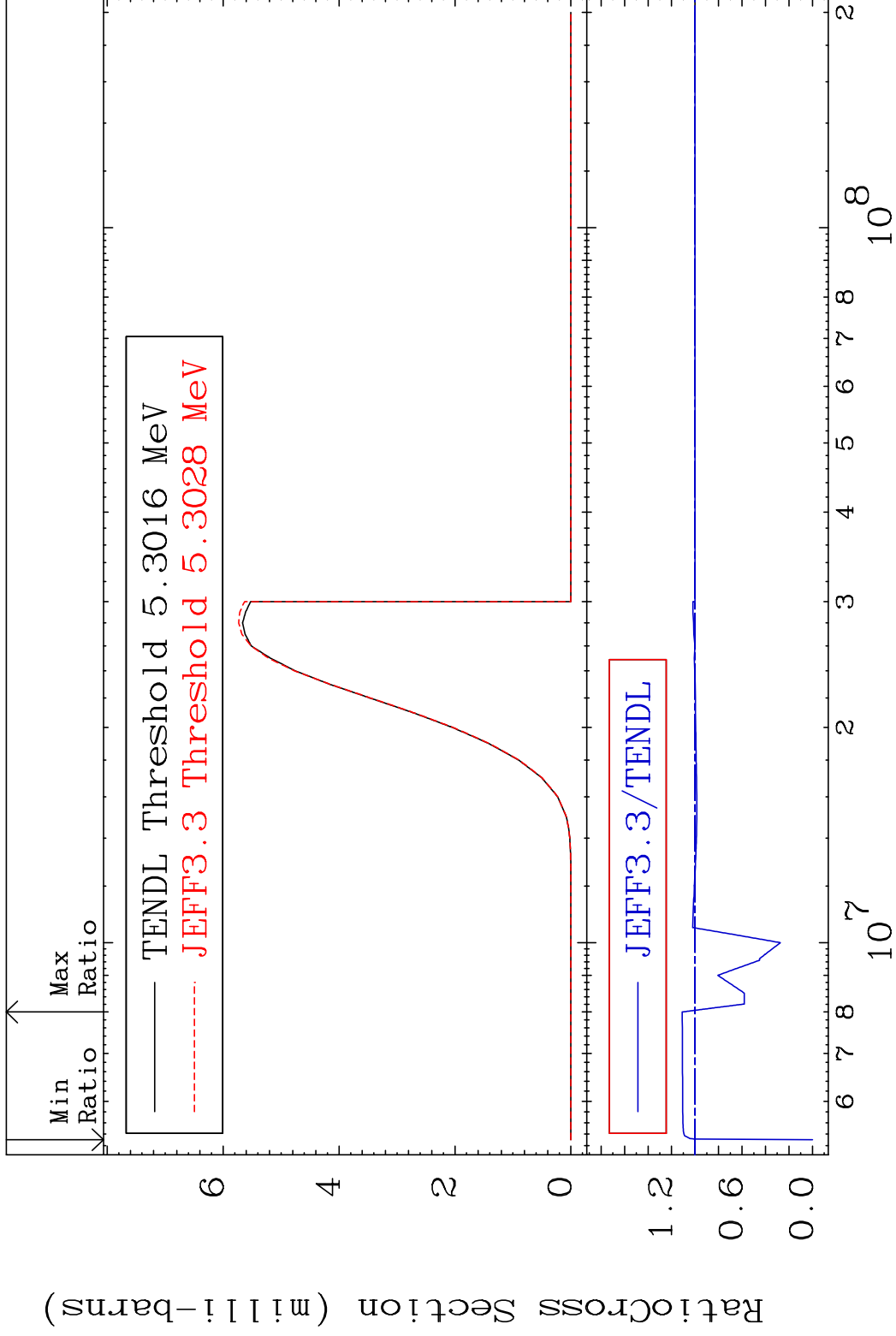


MAT 6840

(n, t)

68-Er-167

Cross Section -100.0 To 10.97 %

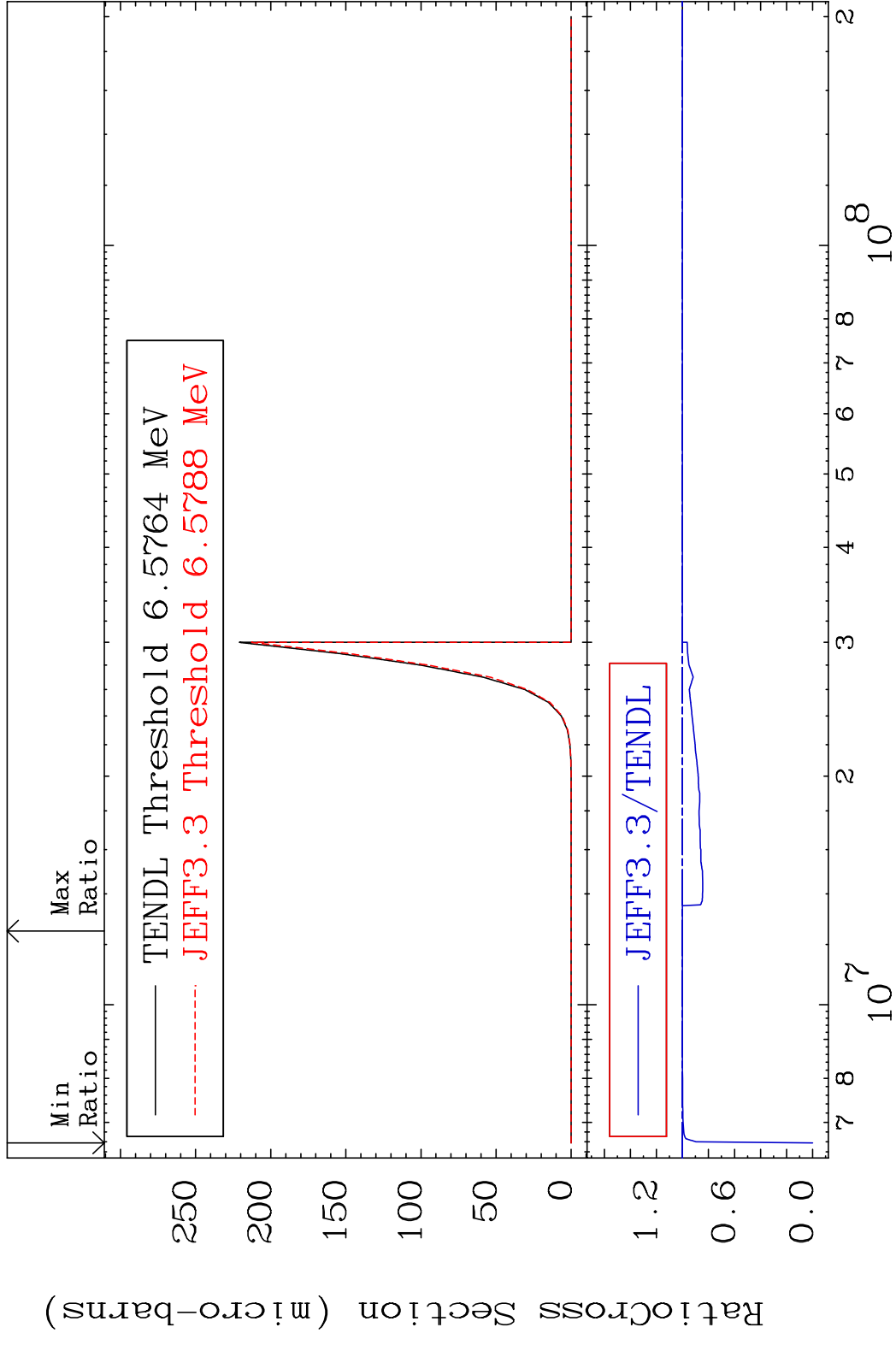


55

Incident Energy (eV)

68-Er-167

MAT 6840 (n, He-3) 68-Er-167  
 Cross Section -100.0 To 0.083 %

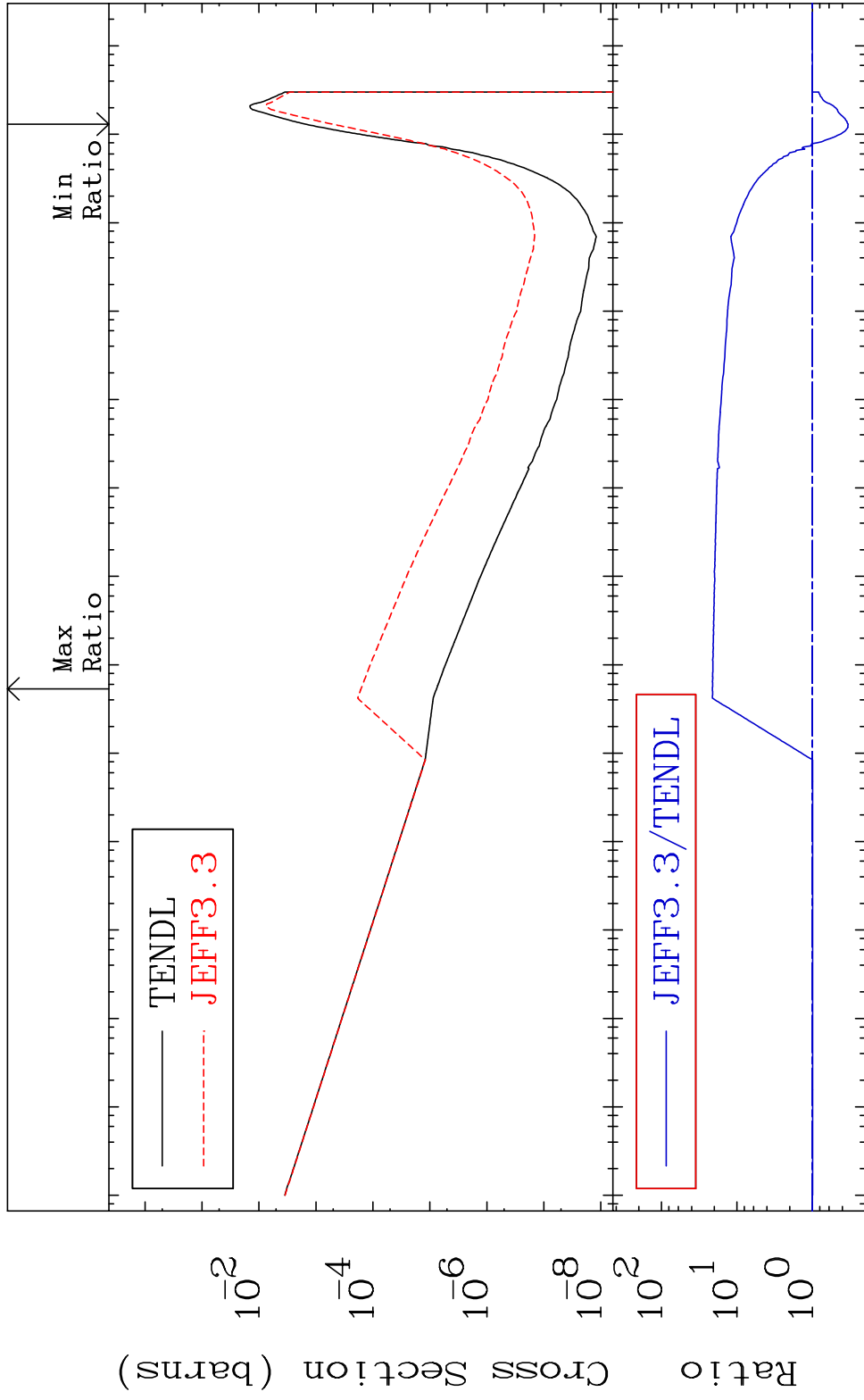


MAT 6840

(n,  $\alpha$ )

68-Er-167

Cross Section -66.60 To 2020. %



57

Incident Energy (eV)

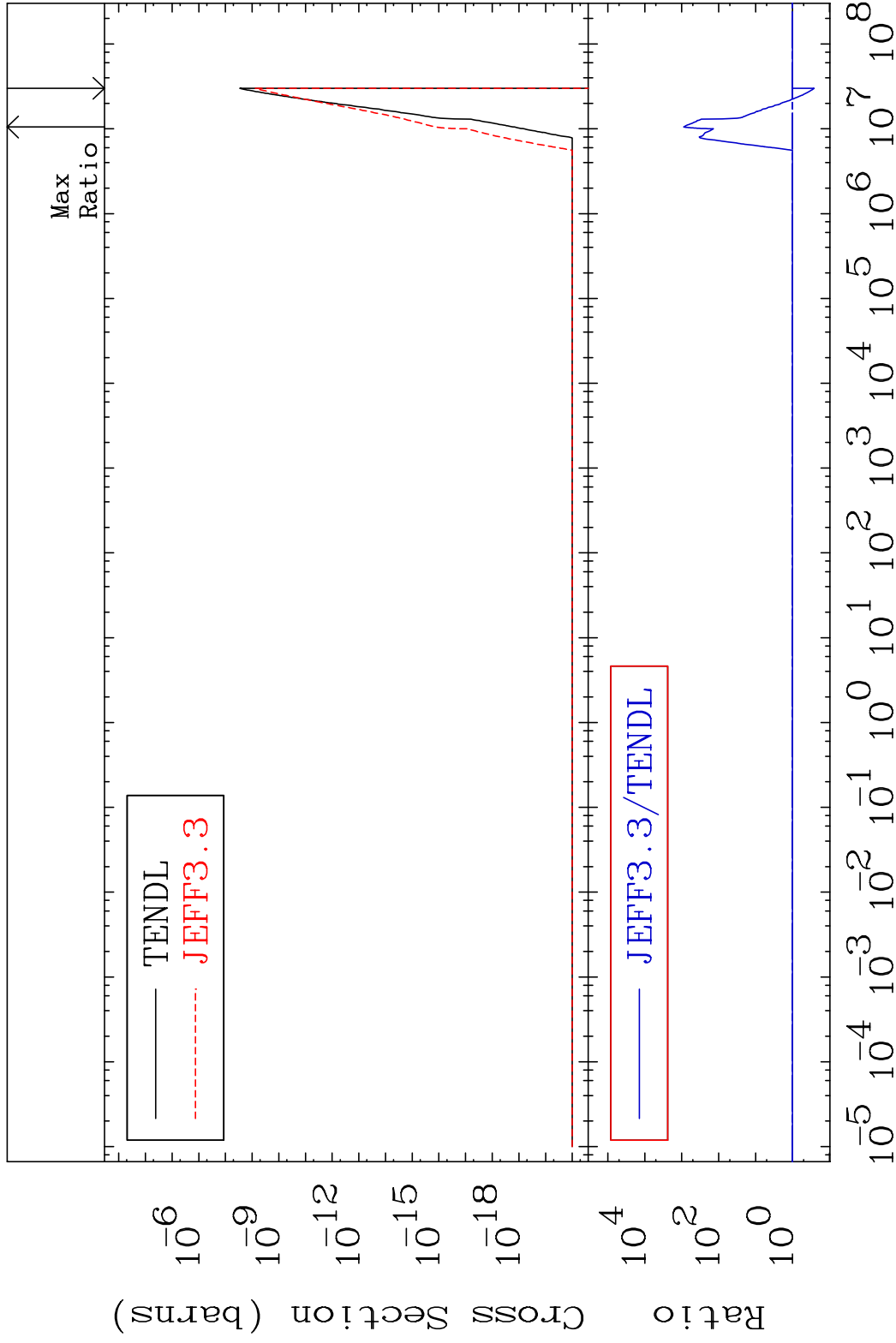
68-Er-167

MAT 6840

(n, 2α)

68-Er-167

Cross Section -74.03 To 9999. %



58

Incident Energy (eV)

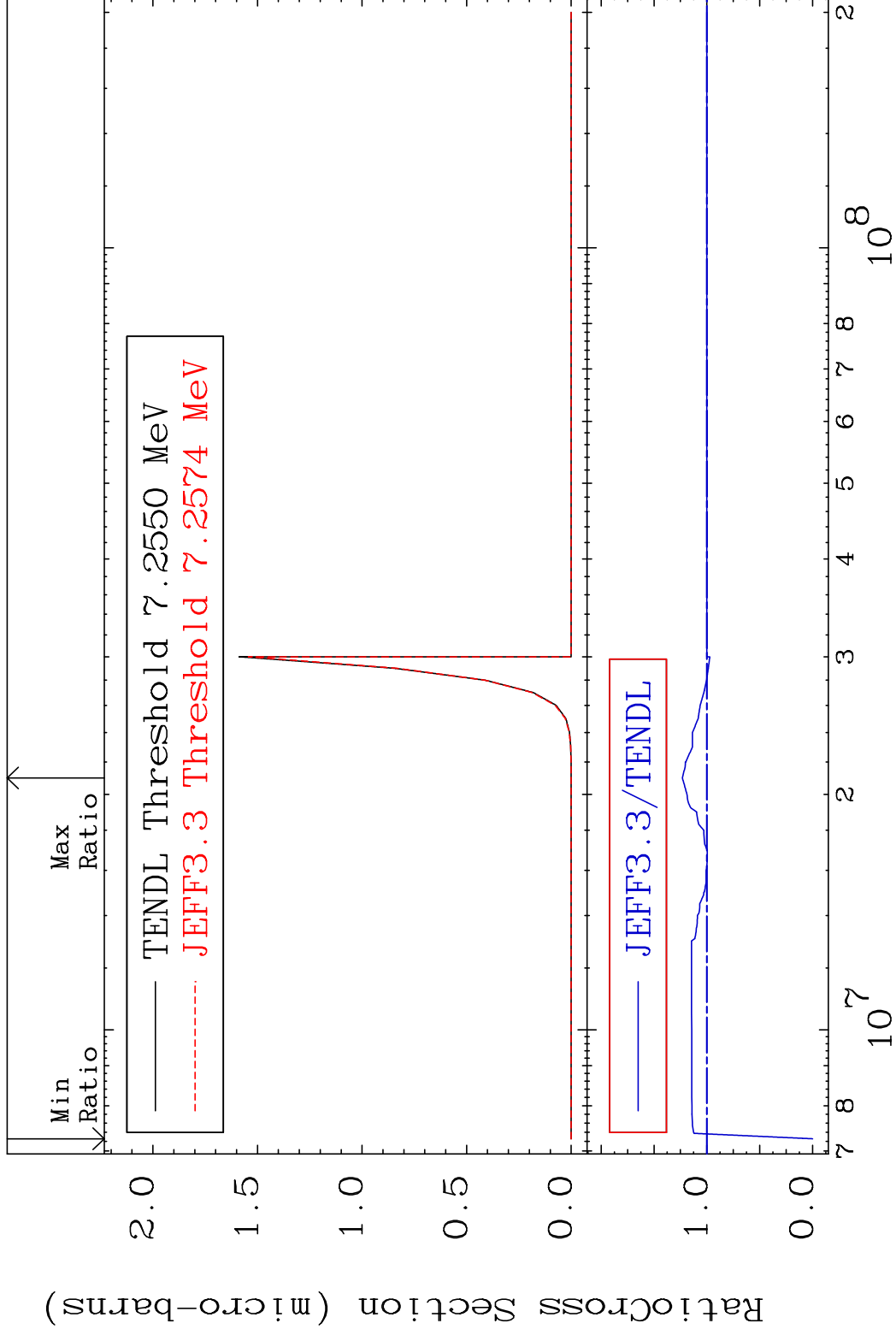
68-Er-167

MAT 6840

(n,2p)

68-Er-167

Cross Section -100.0 To 23.18 %

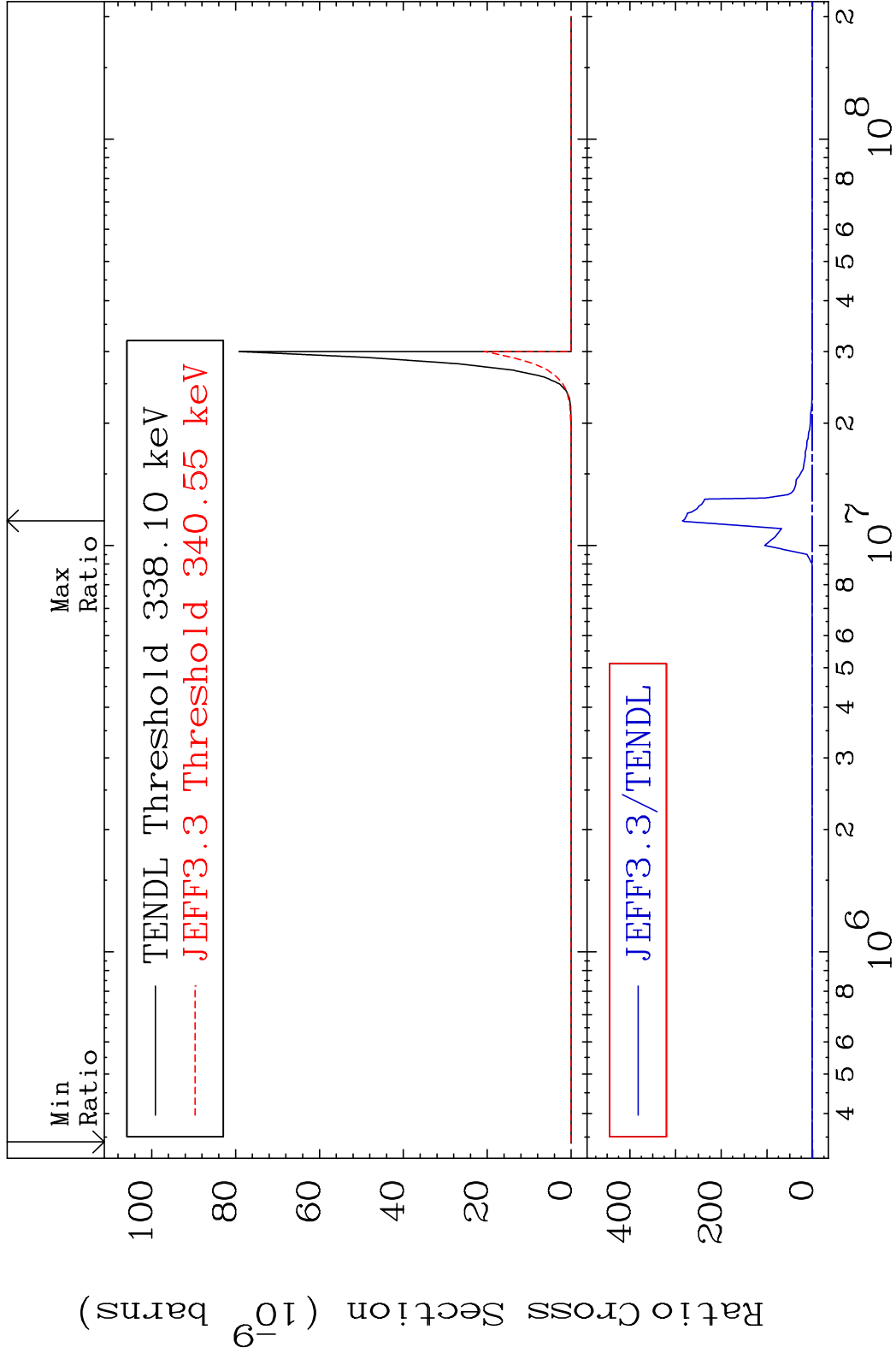


59

Incident Energy (eV)

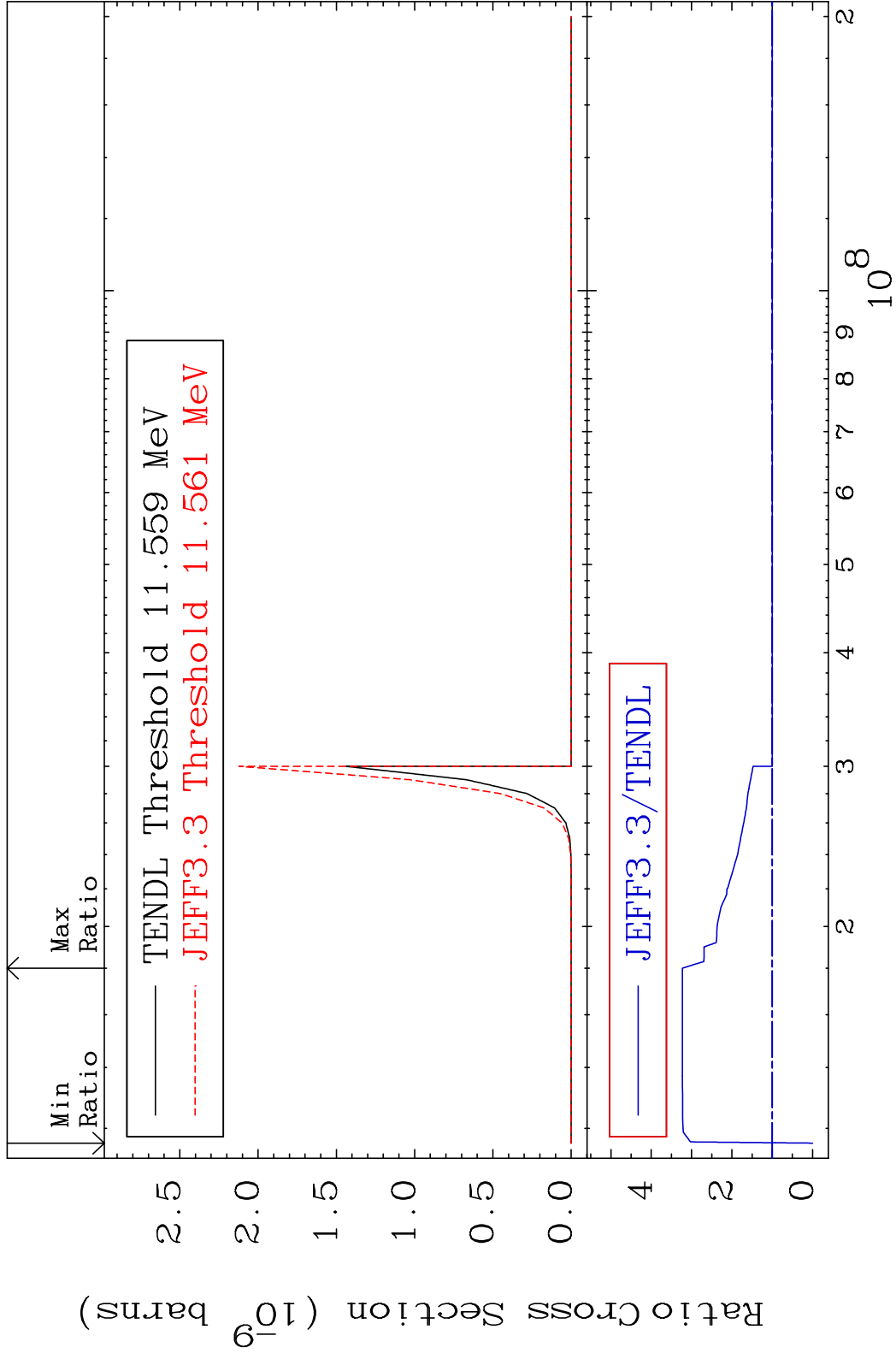
68-Er-167

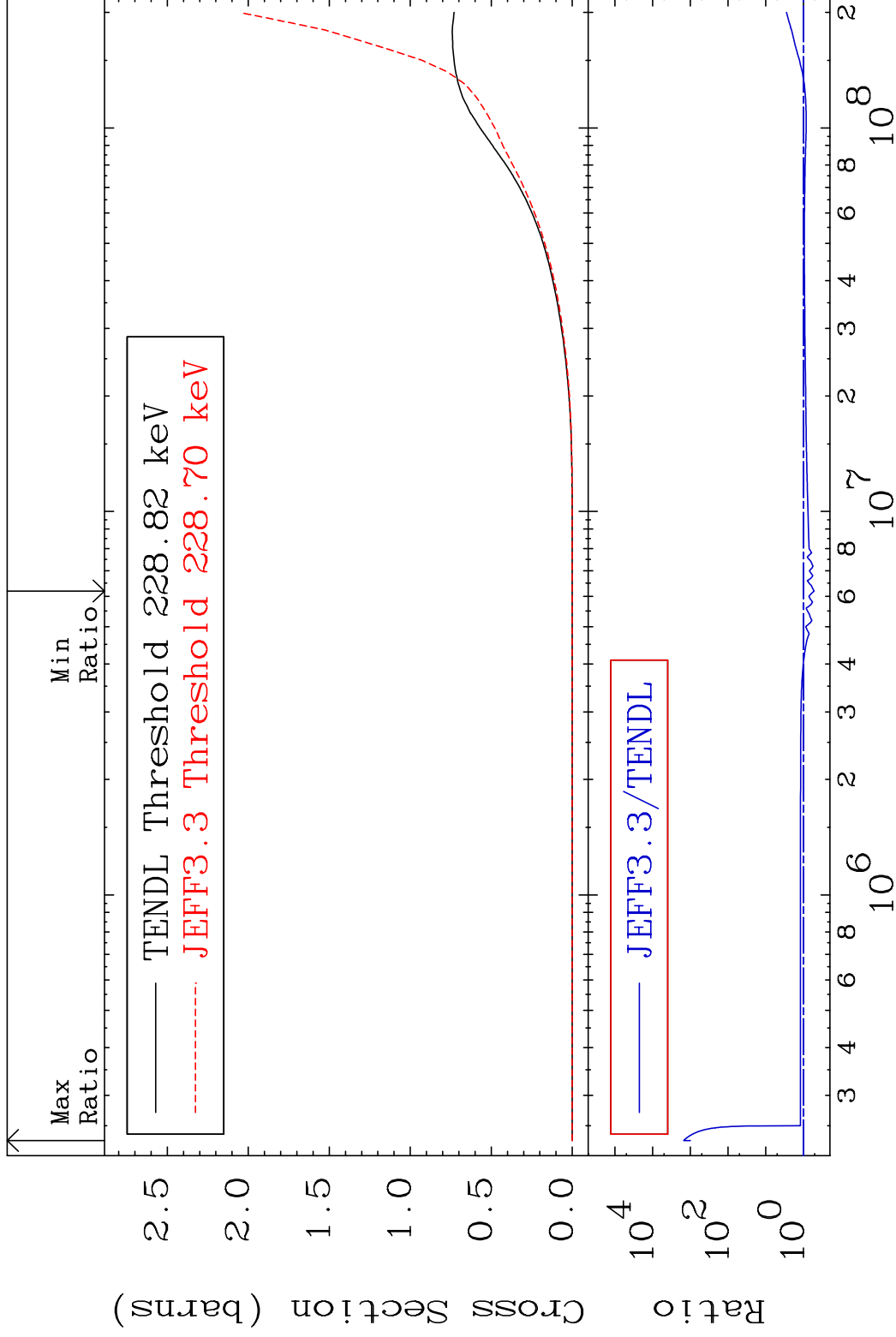
MAT 6840 (n,p)  $\alpha$  68-Er-167  
 Cross Section -100.0 To 9999. %



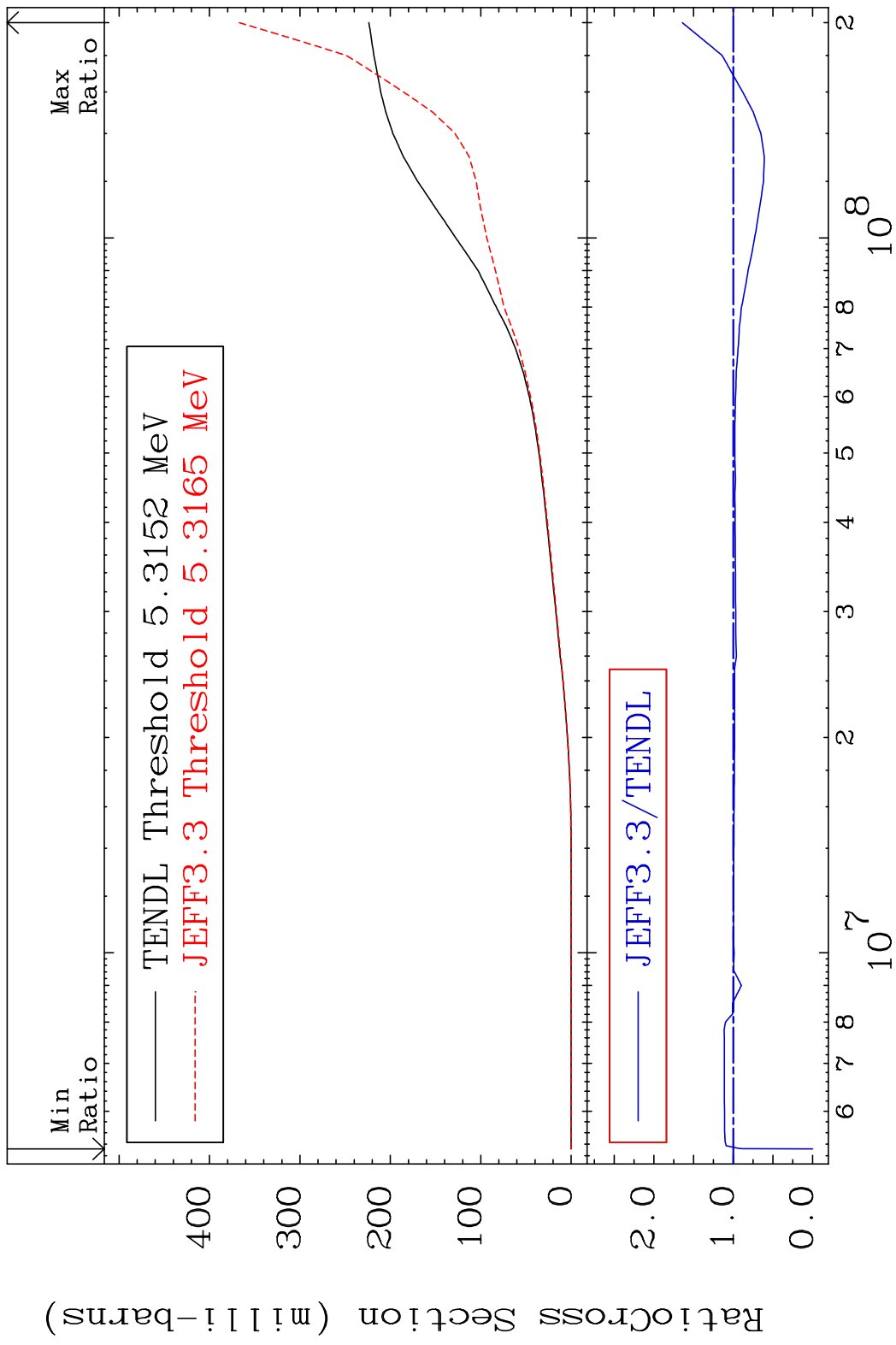
60 Incident Energy (eV) 68-Er-167

MAT 6840 (n,p) t 68-Er-167  
 Cross Section -100.0 To 222.9 %



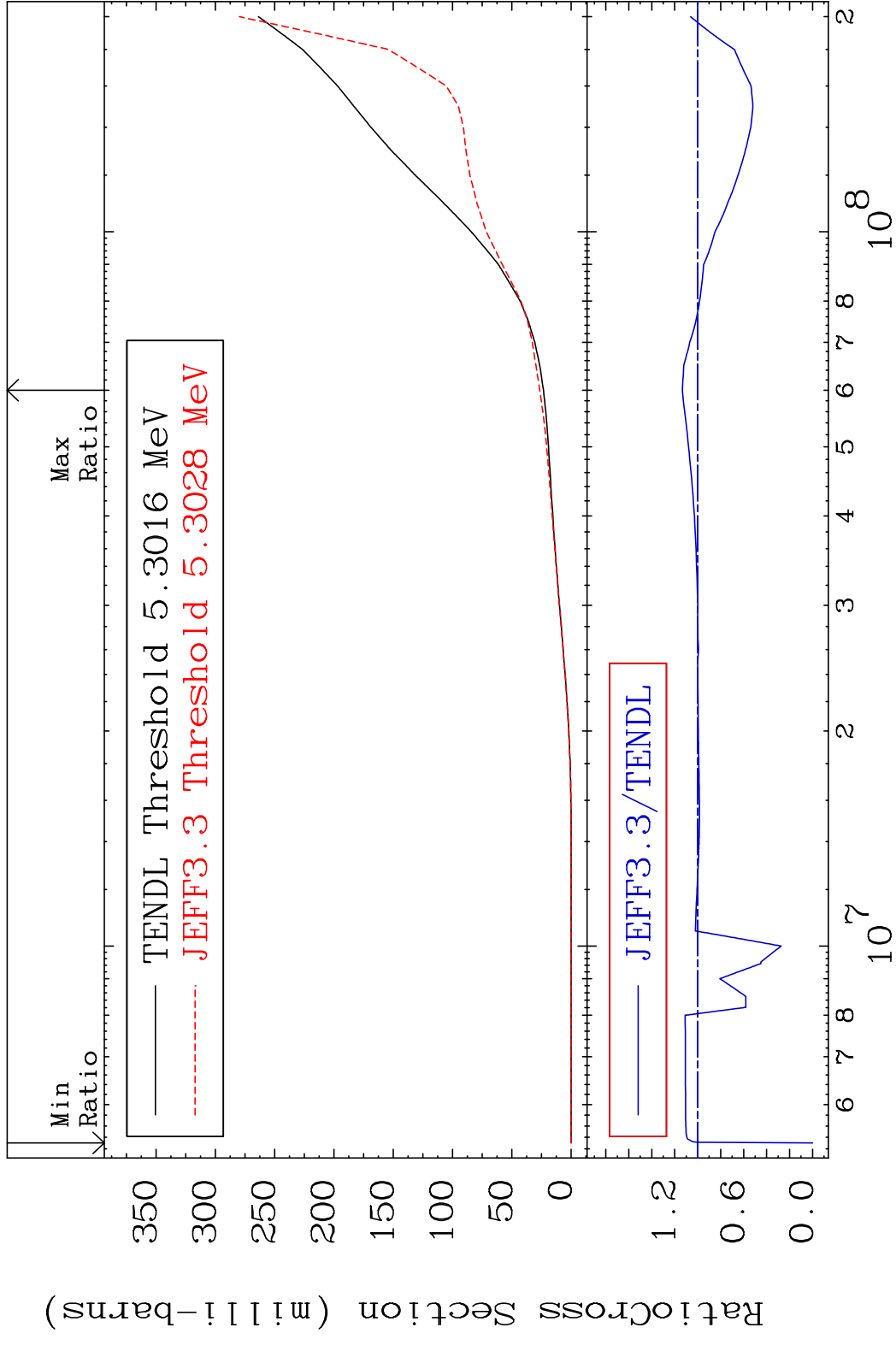


MAT 6840 Deuterium Production 68-Er-167  
 Cross Section -100.0 To 64.08 %



63 Incident Energy (eV) 68-Er-167

MAT 6840 Tritium Production 68-Er-167  
 Cross Section -100.0 To 13.35 %

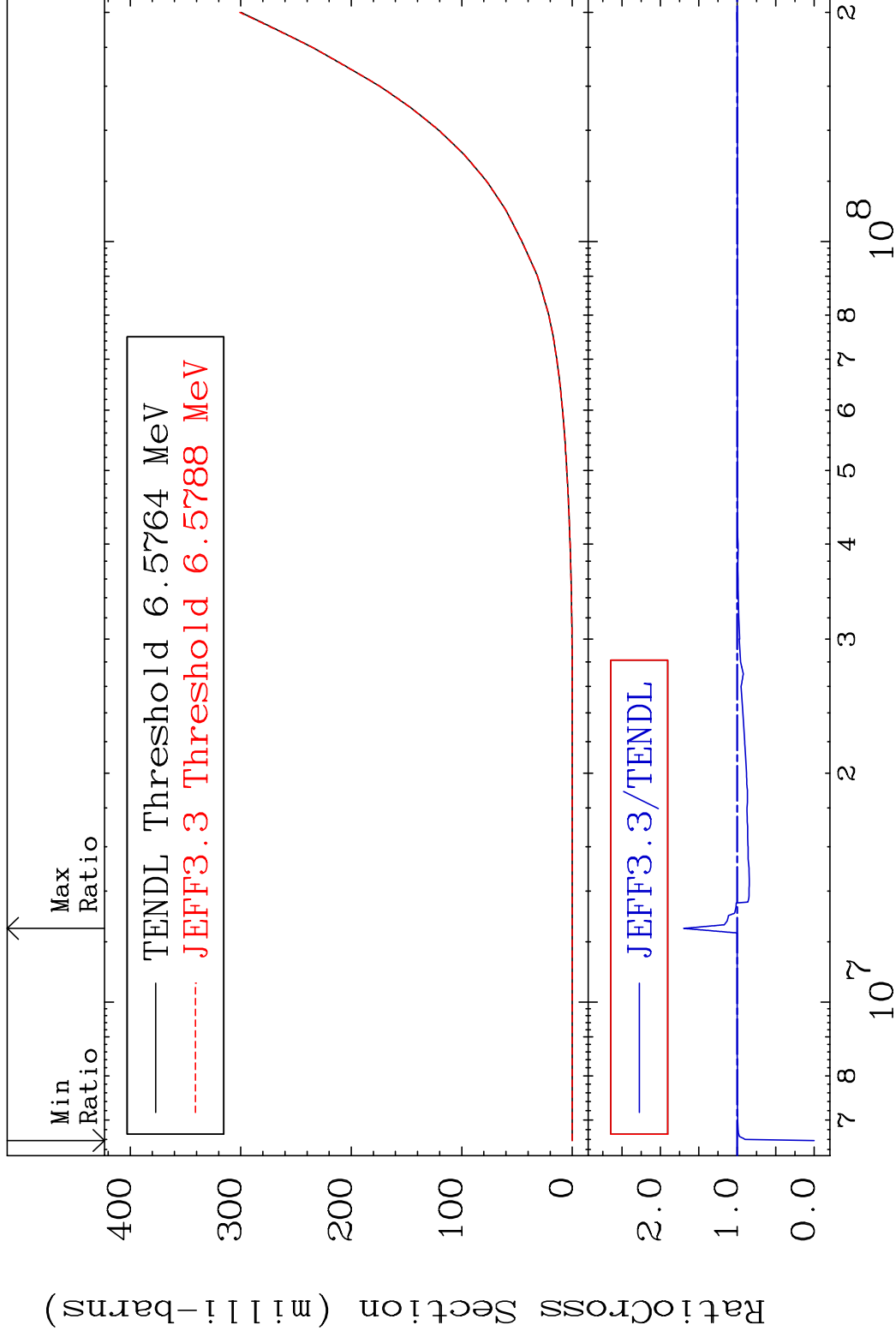


MAT 6840

He-3 Production

68-Er-167

Cross Section -100.0 To 69.76 %



65

Incident Energy (eV)

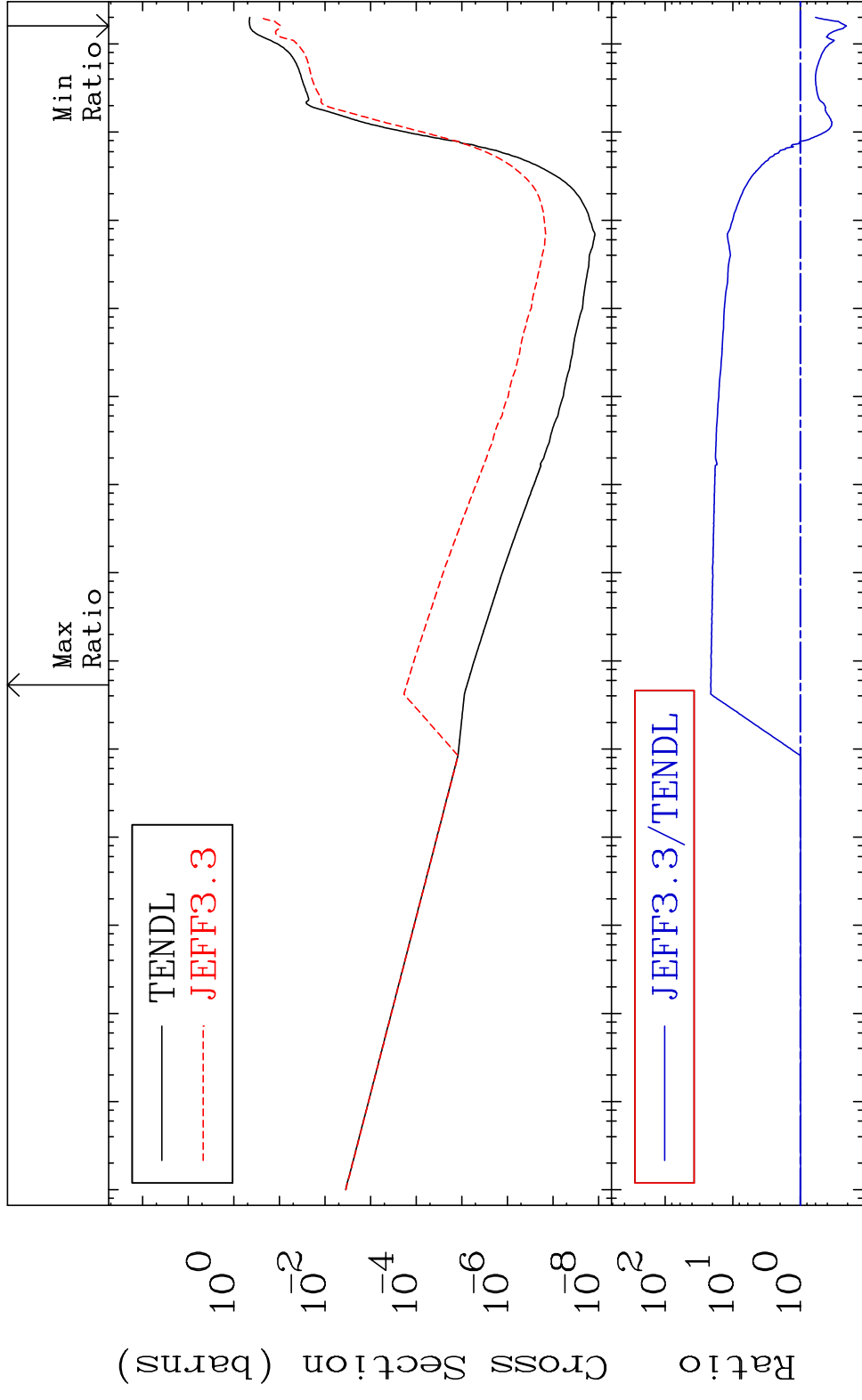
68-Er-167

MAT 6840

He-4 Production

68-Er-167

Cross Section -79.07 To 2020. %

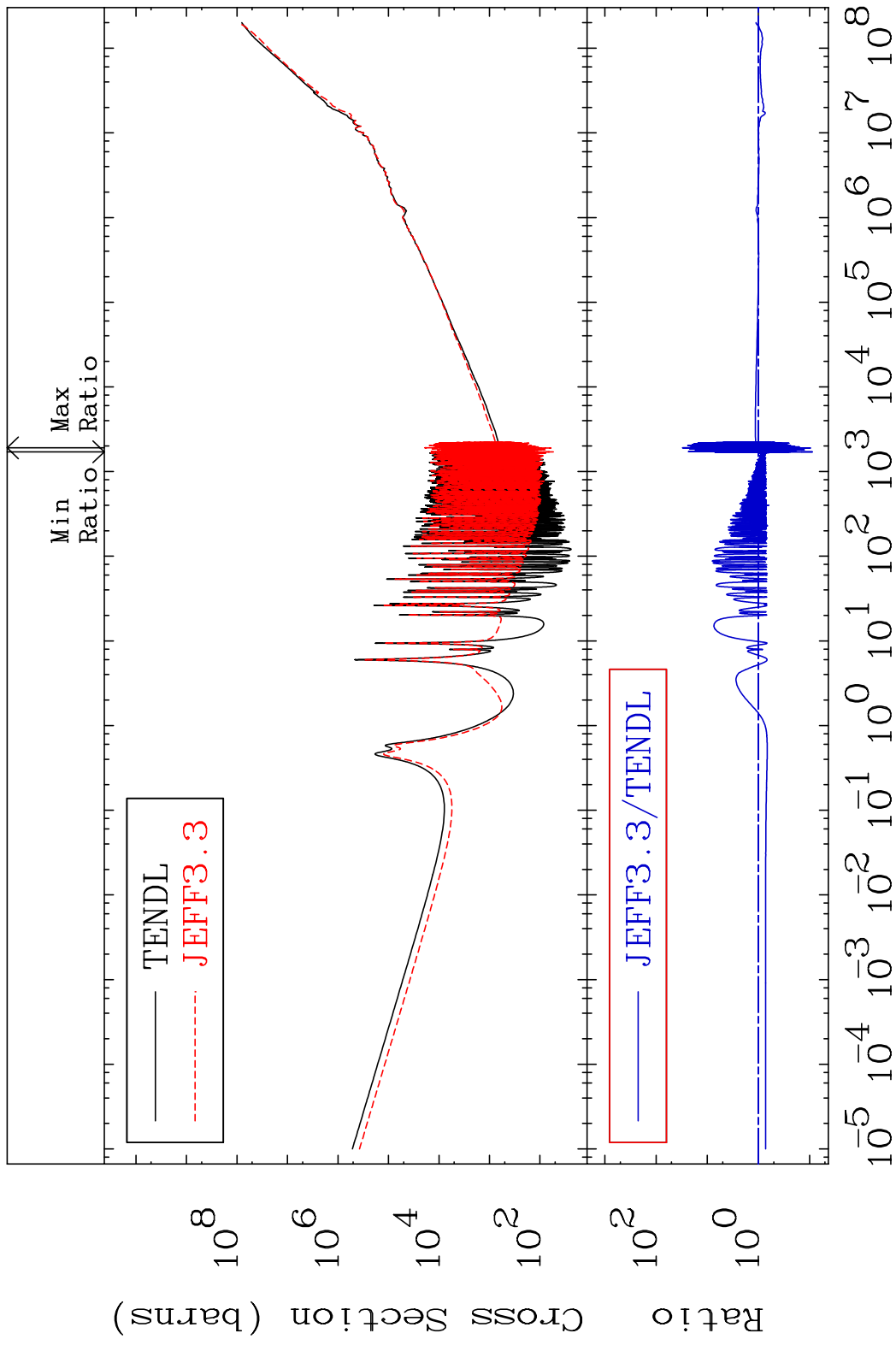


66

Incident Energy (eV)

68-Er-167

MAT 6840 Kerma total (eV-barns) 68-Er-167  
 Cross Section -91.26 To 2965. %



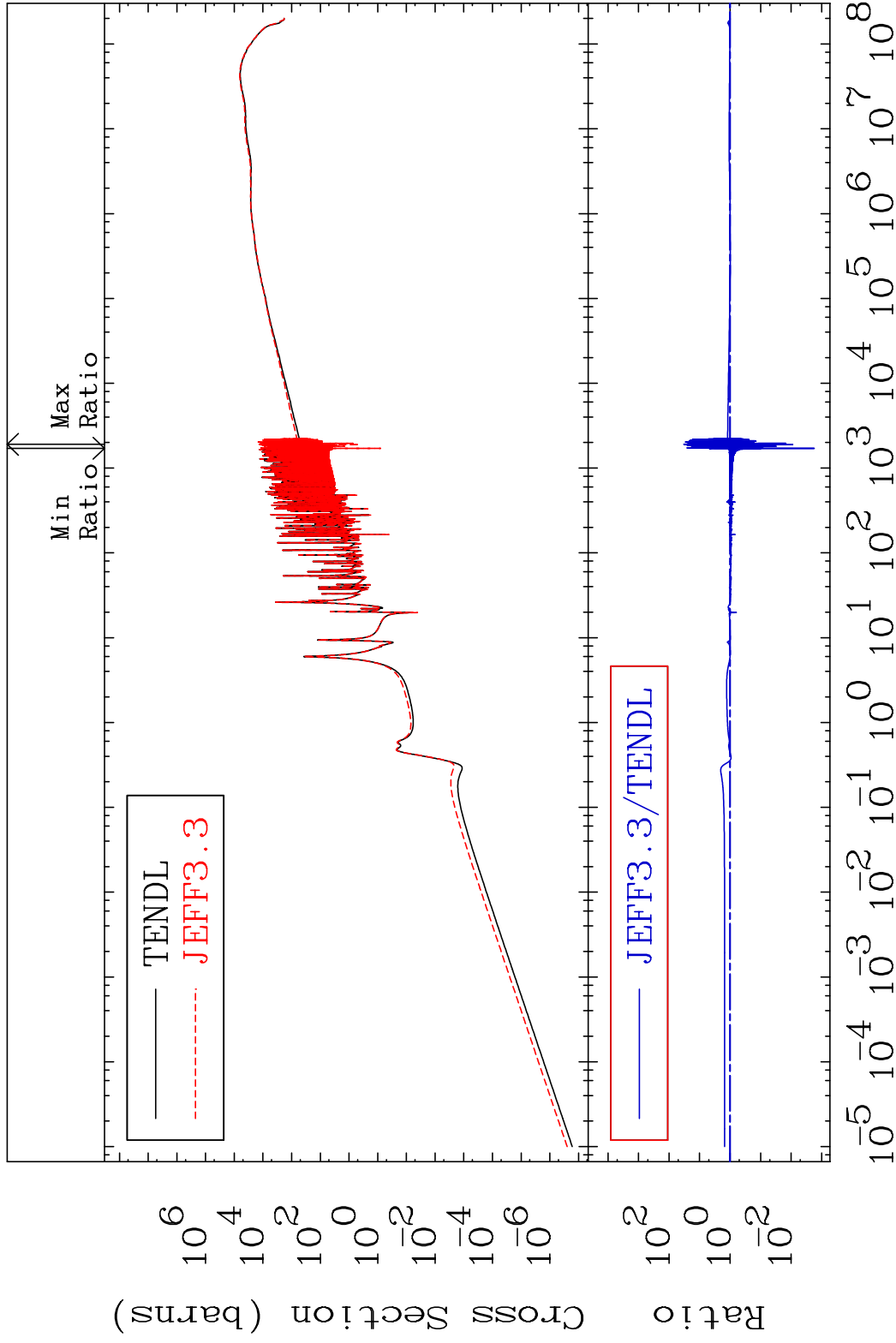
67 Incident Energy (eV) 68-Er-167

MAT 6840

Kerma elastic

68-Er-167

Cross Section -99.82 To 3218. %

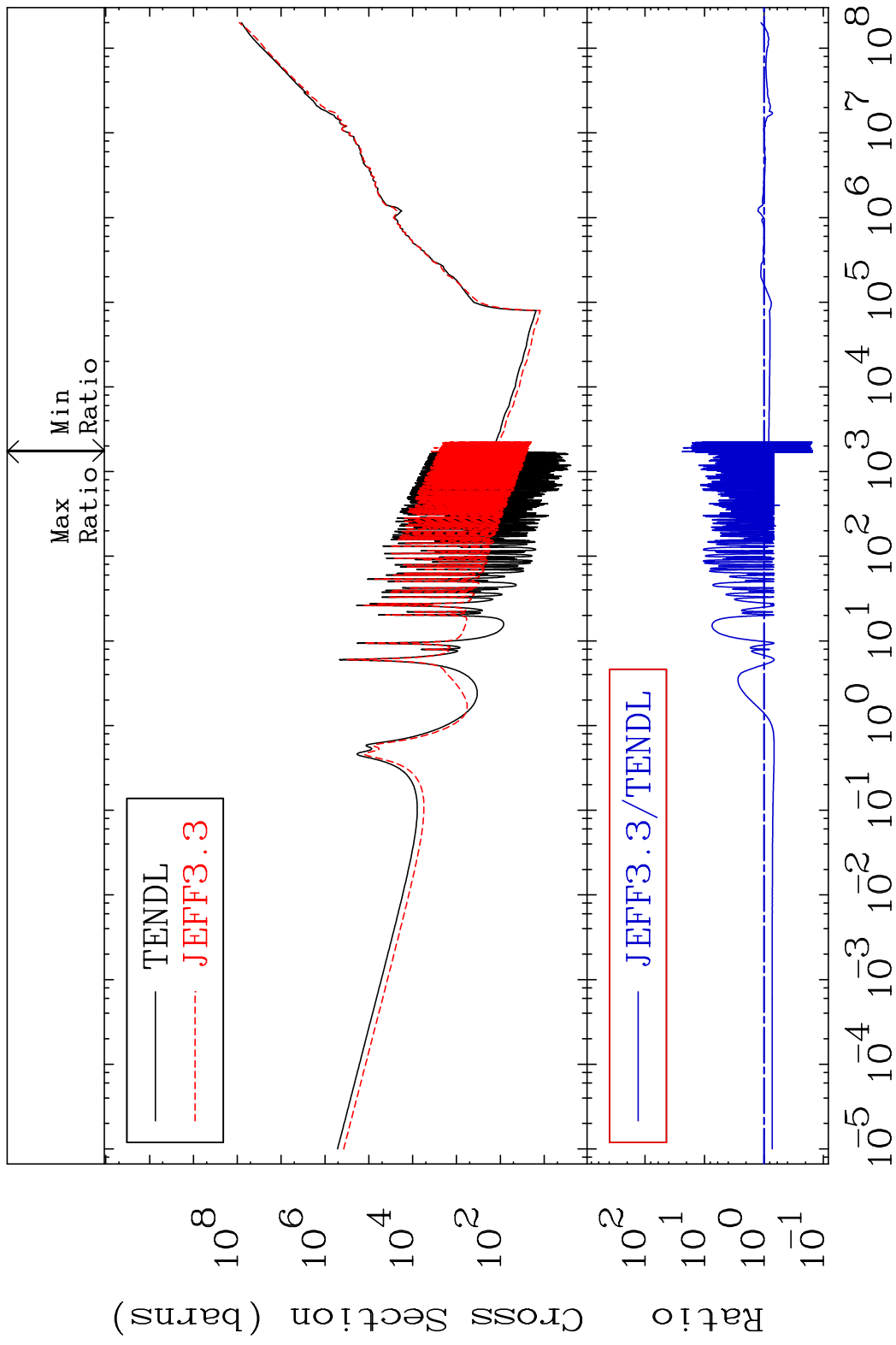


68

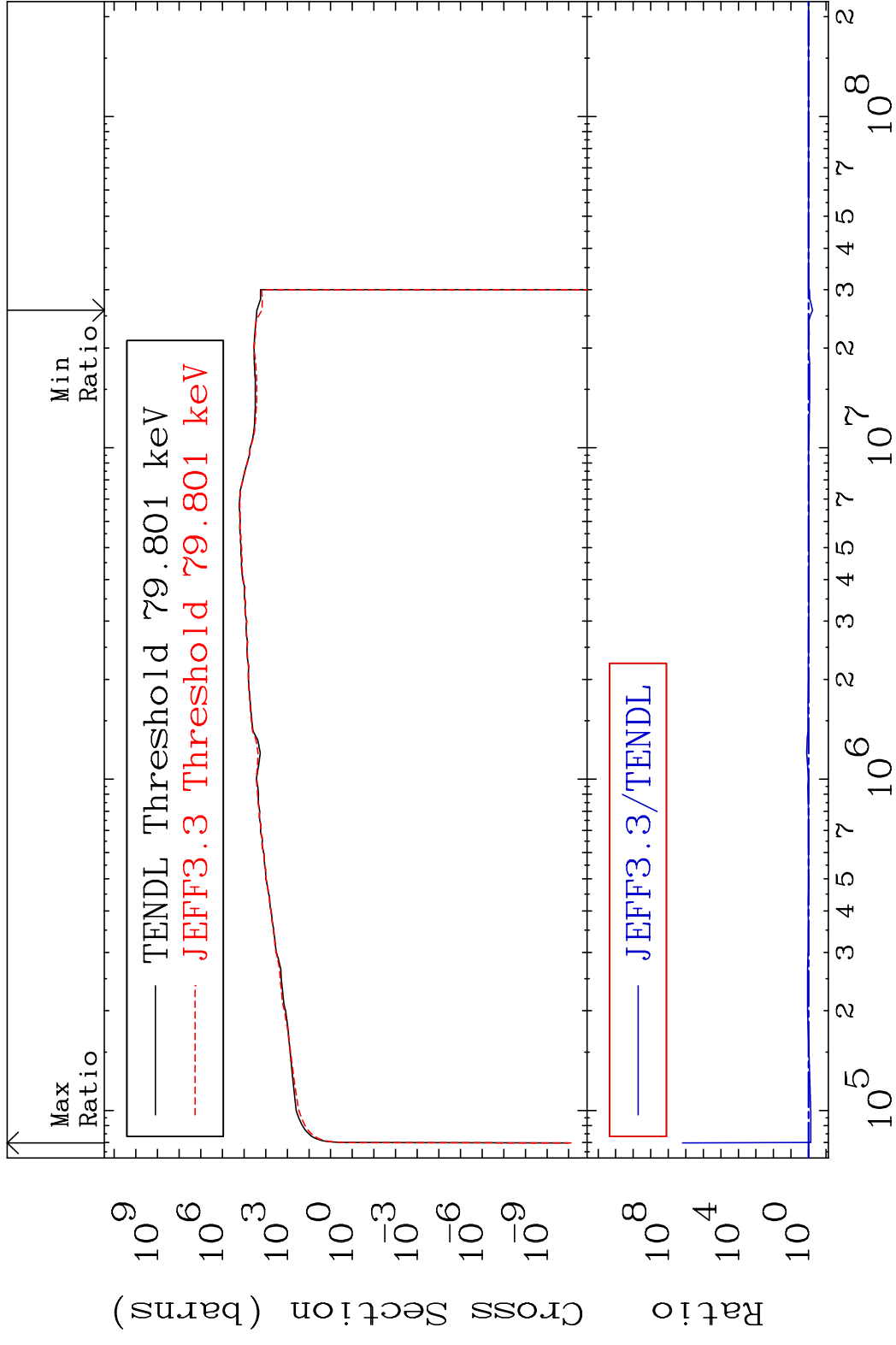
Incident Energy (eV)

68-Er-167

MAT 6840 Kerma non-elastic (all but mt2) 68-Er-167  
 Cross Section -84.77 To 2256. %

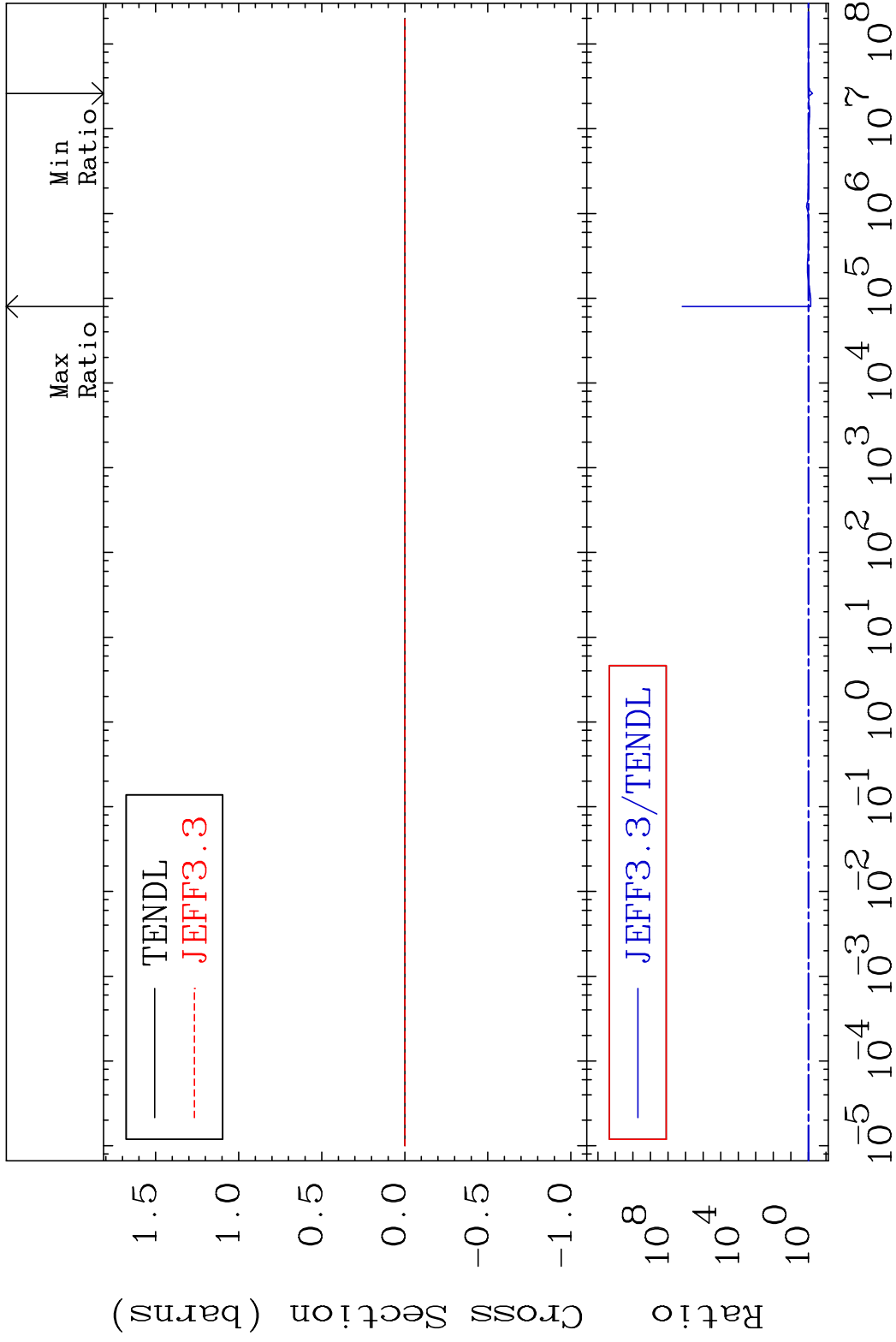


MAT 6840 Kerma inelastic (mt51-91) 68-Er-167  
 Cross Section -41.12 To 9999. %



70 Incident Energy (eV) 68-Er-167

MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section -41.12 To 9999. %

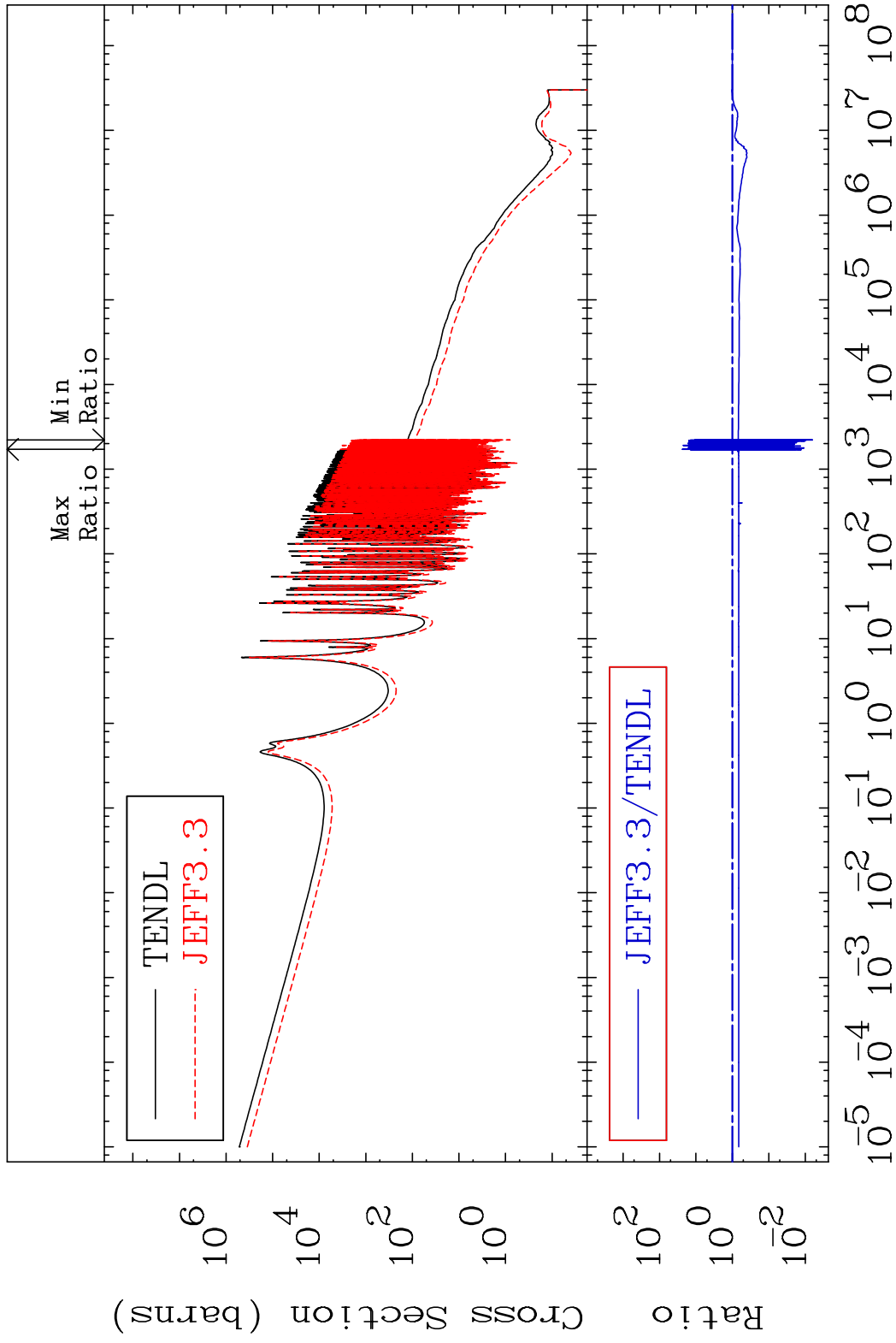


MAT 6840

Kerma capture (mt102)

68-Er-167

Cross Section -99.37 To 2261. %

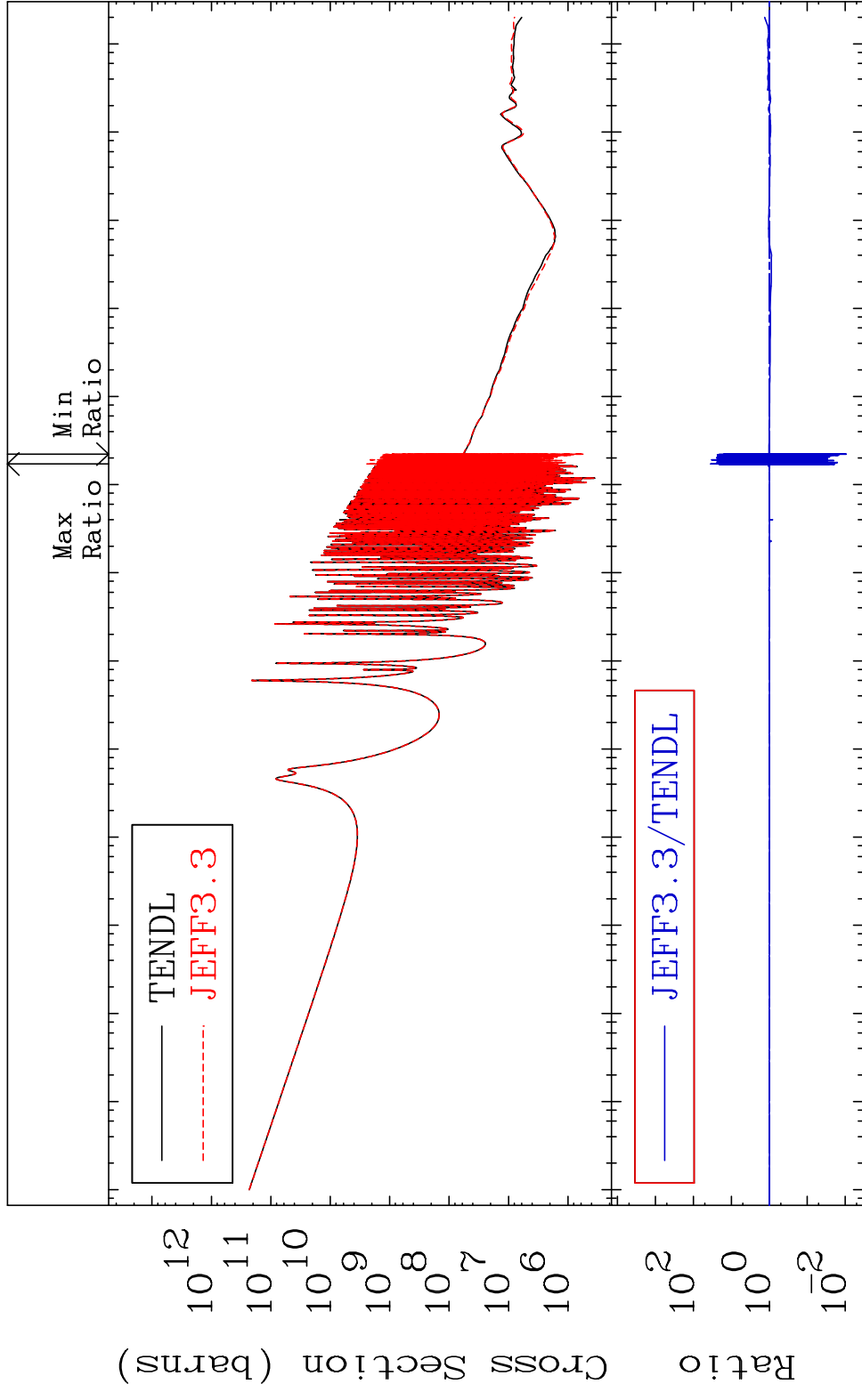


72

Incident Energy (eV)

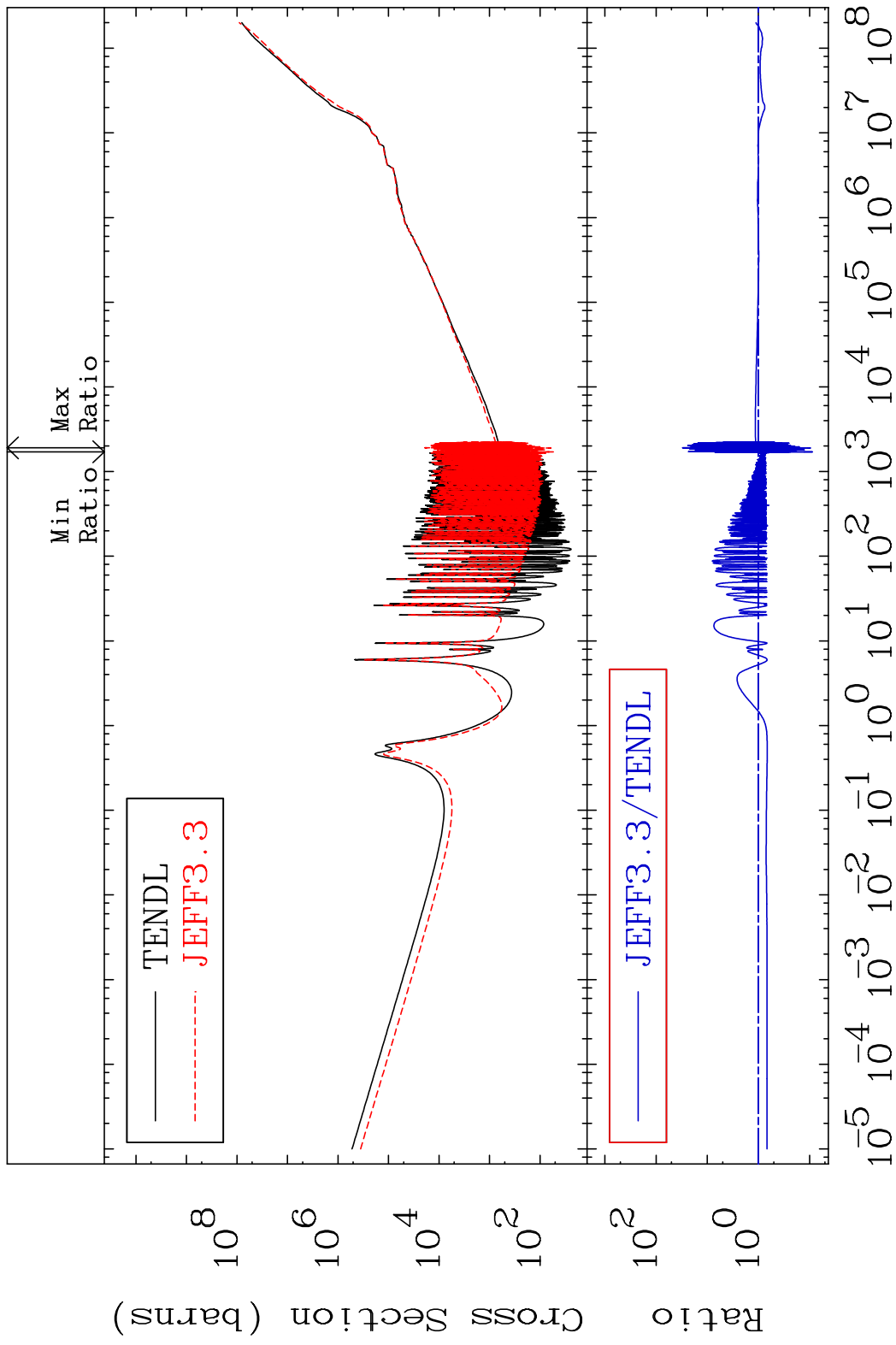
68-Er-167

MAT 6840 Total photon (eV-barns) 68-Er-167  
 Cross Section -99.06 To 3401. %



73 Incident Energy (eV) 68-Er-167

MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
 Cross Section -91.24 To 2965. %

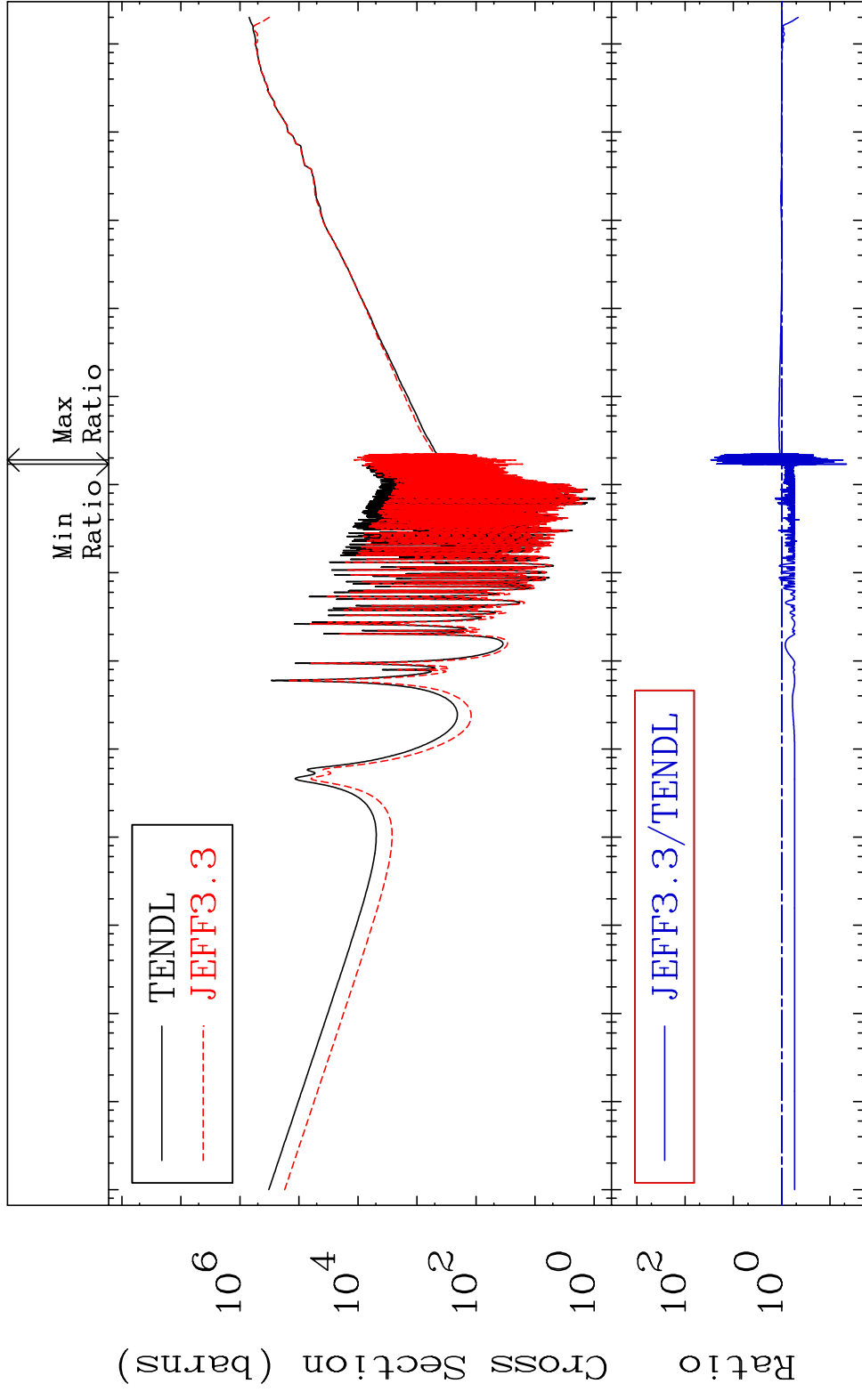


MAT 6840

Dpa total (eV-barns)

68-Er-167

Cross Section -95.40 To 2848. %



75

Incident Energy (eV)

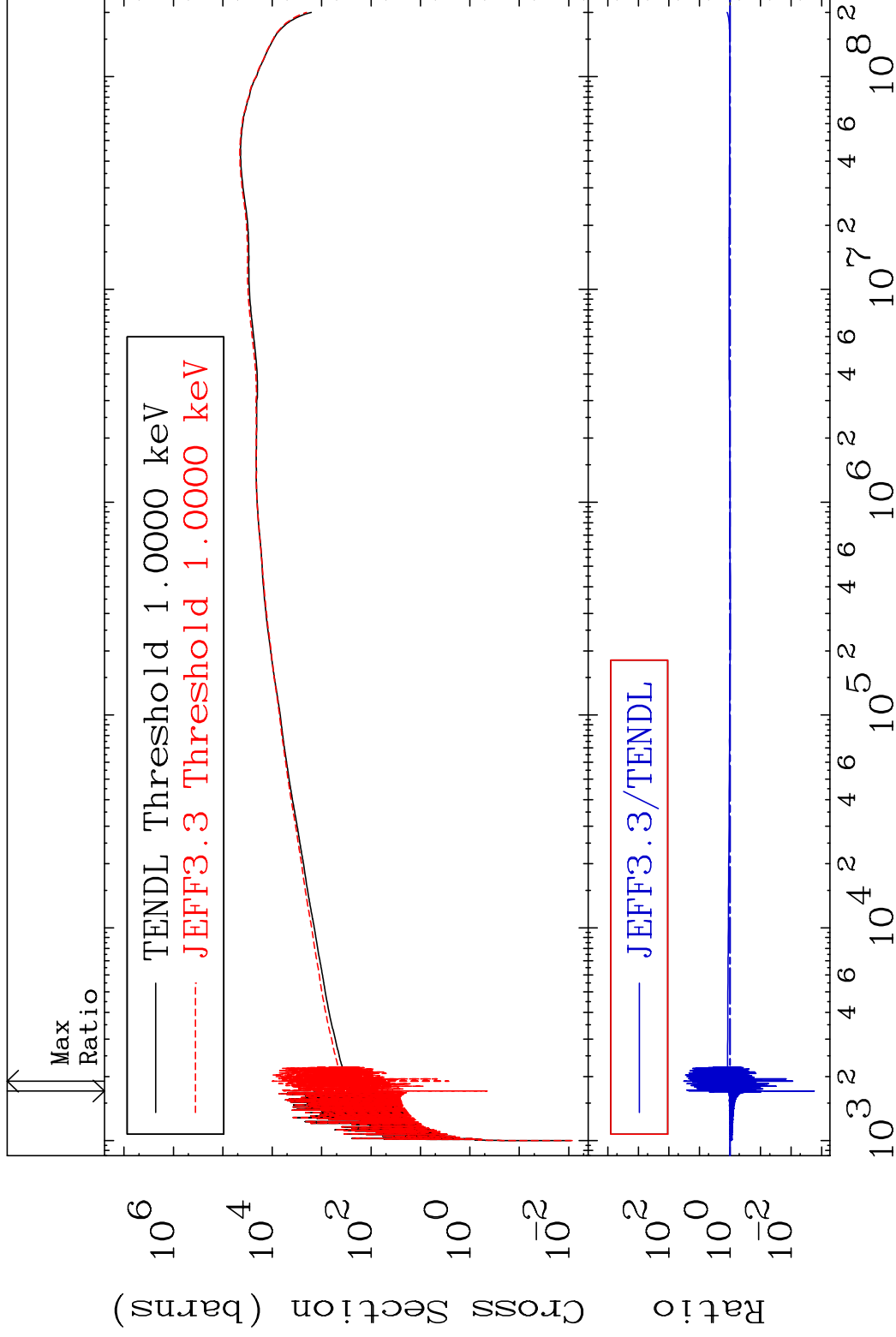
68-Er-167

MAT 6840

Dpa elastic (mt2)

68-Er-167

Cross Section -99.82 To 3191. %

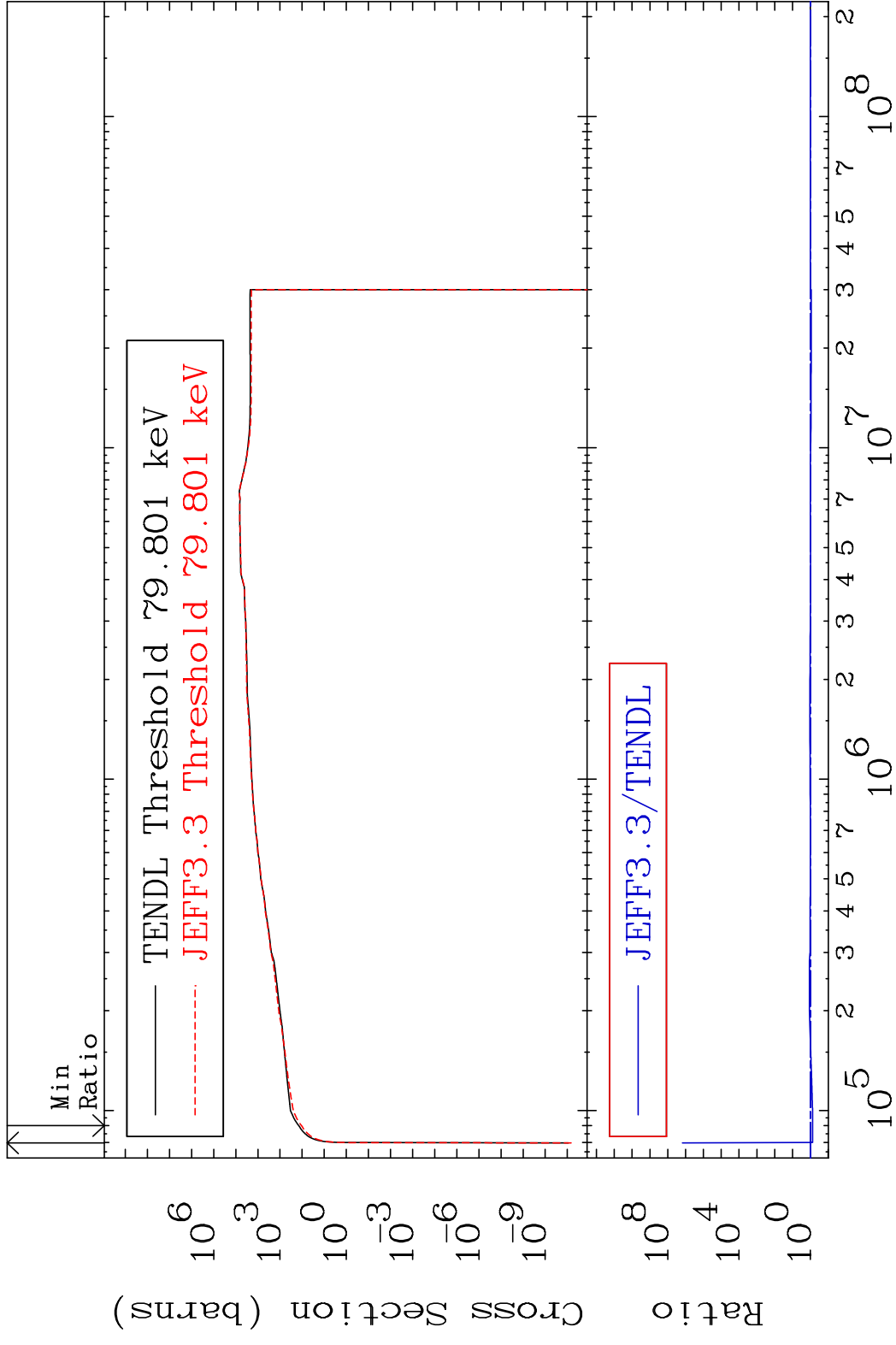


76

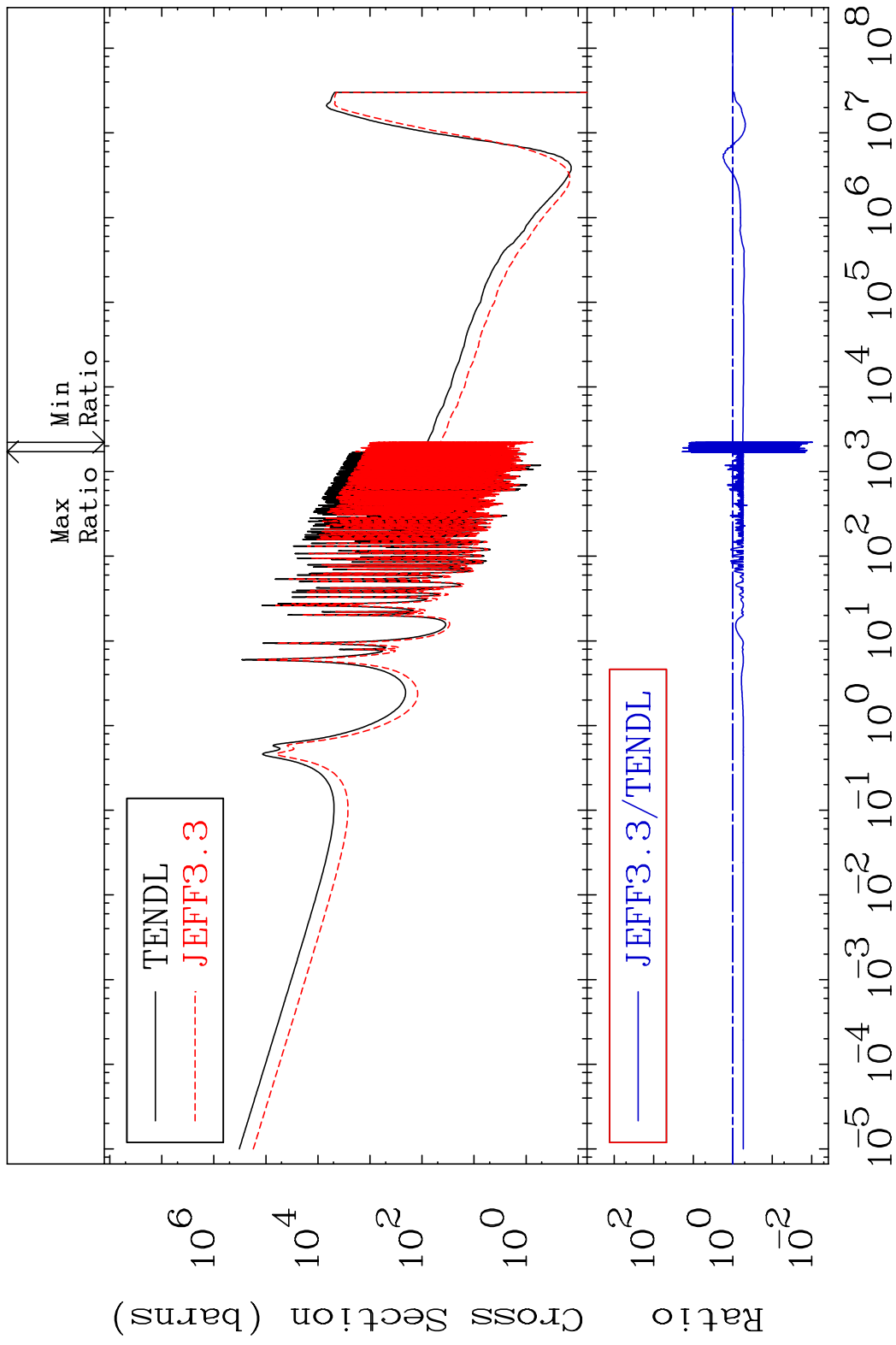
Incident Energy (eV)

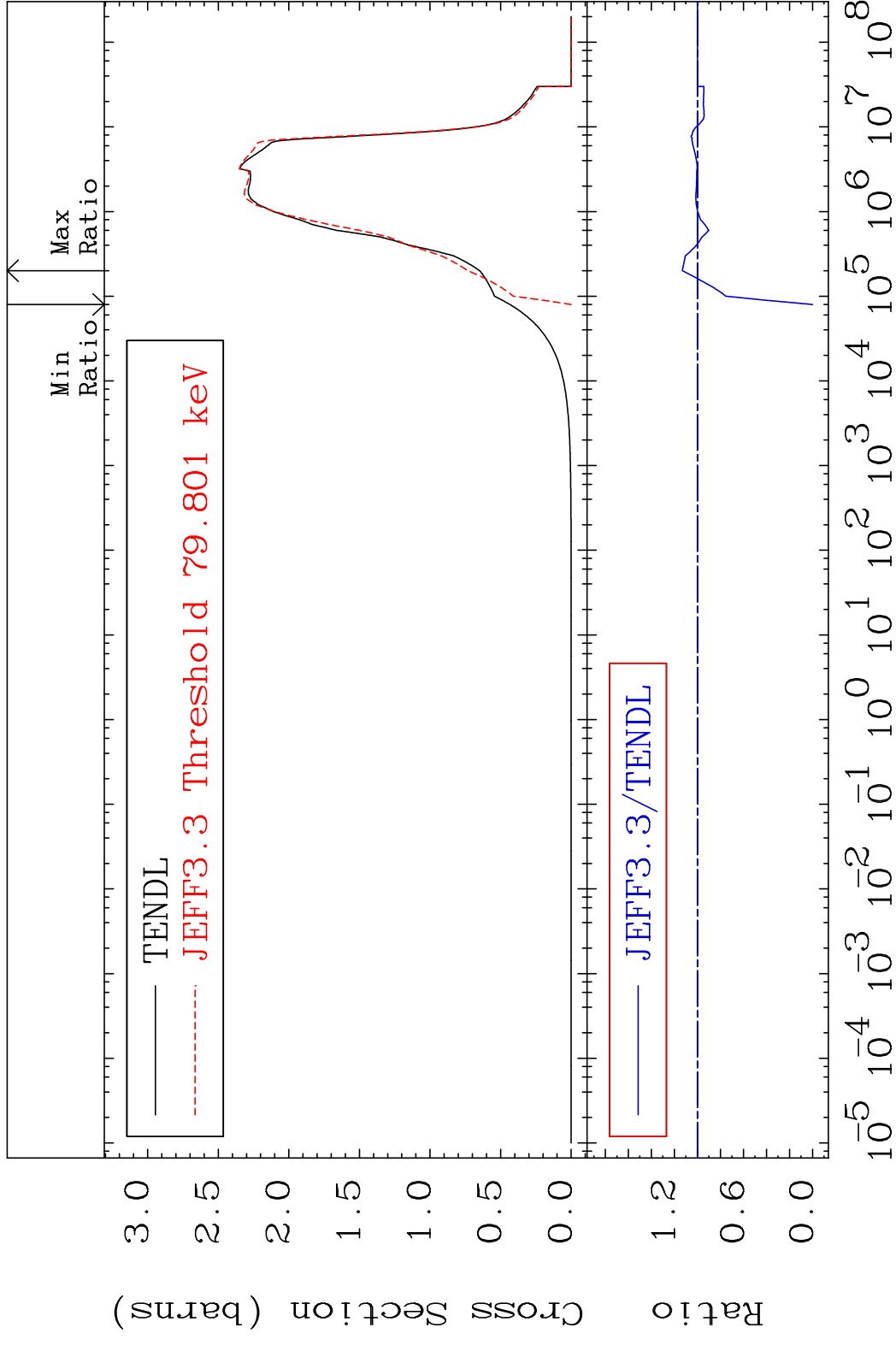
68-Er-167

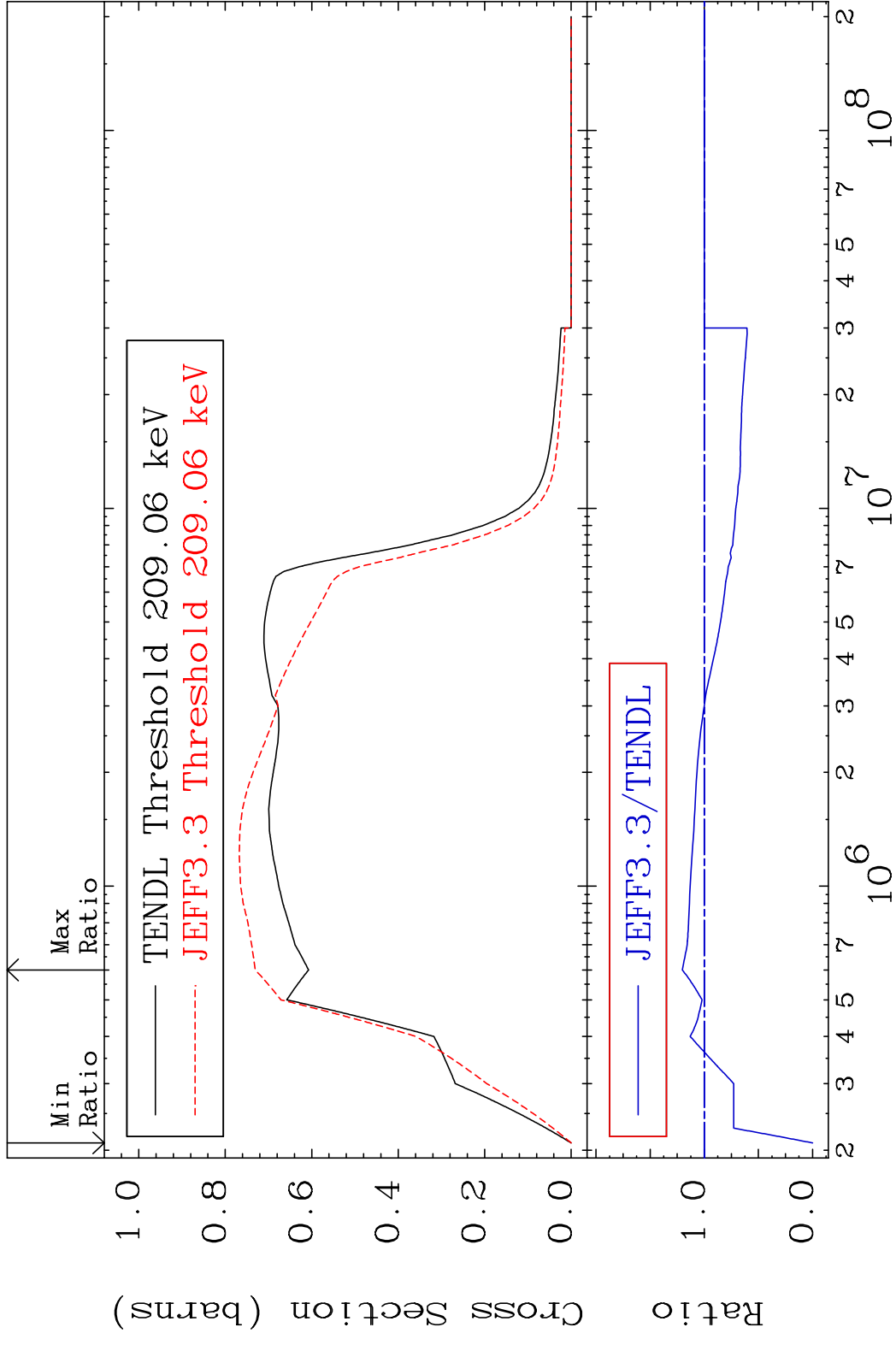
MAT 6840      Dpa inelastic (mt51-91)      68-Er-167  
 Cross Section    -24.82 To 9999. %

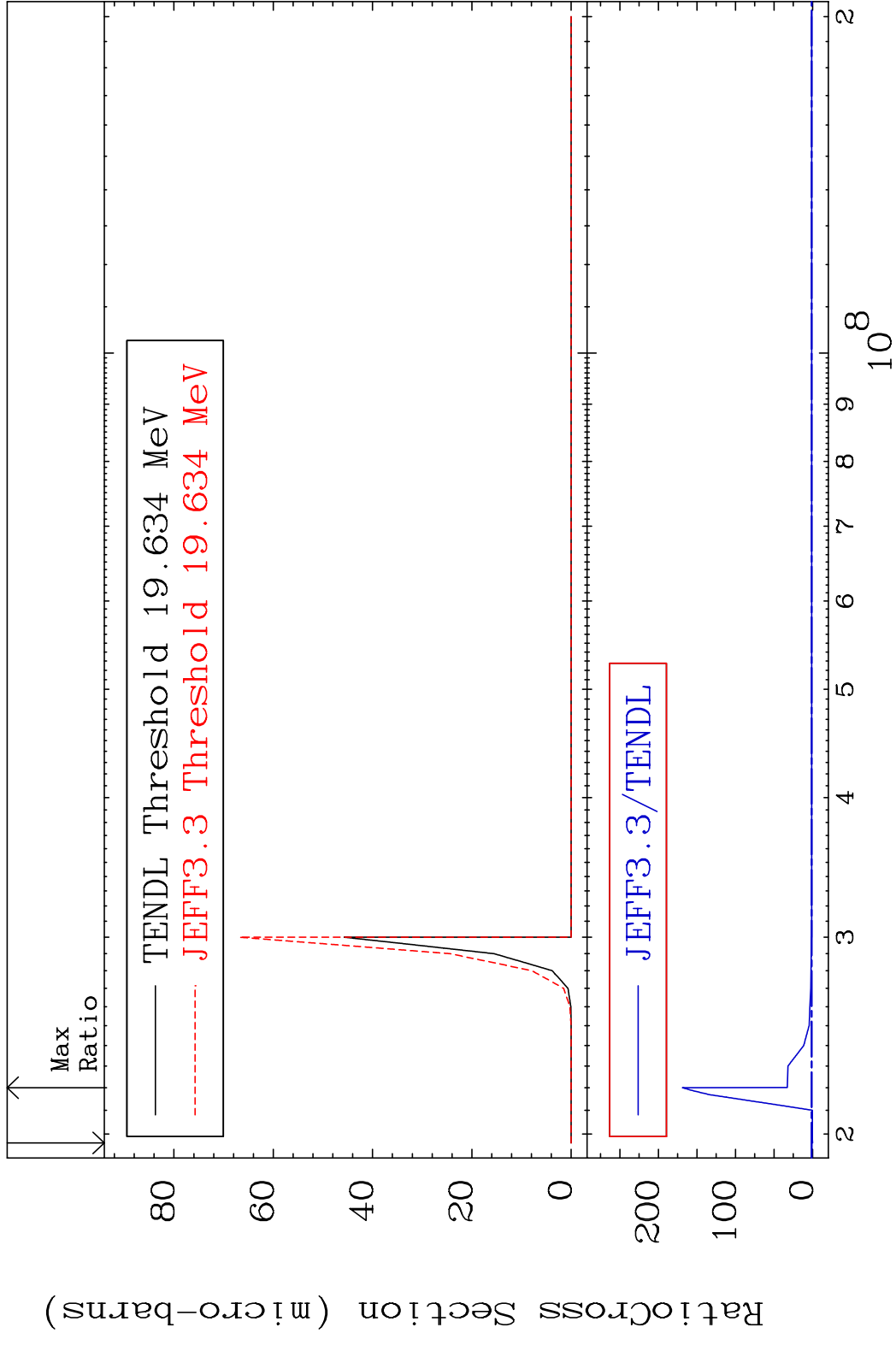


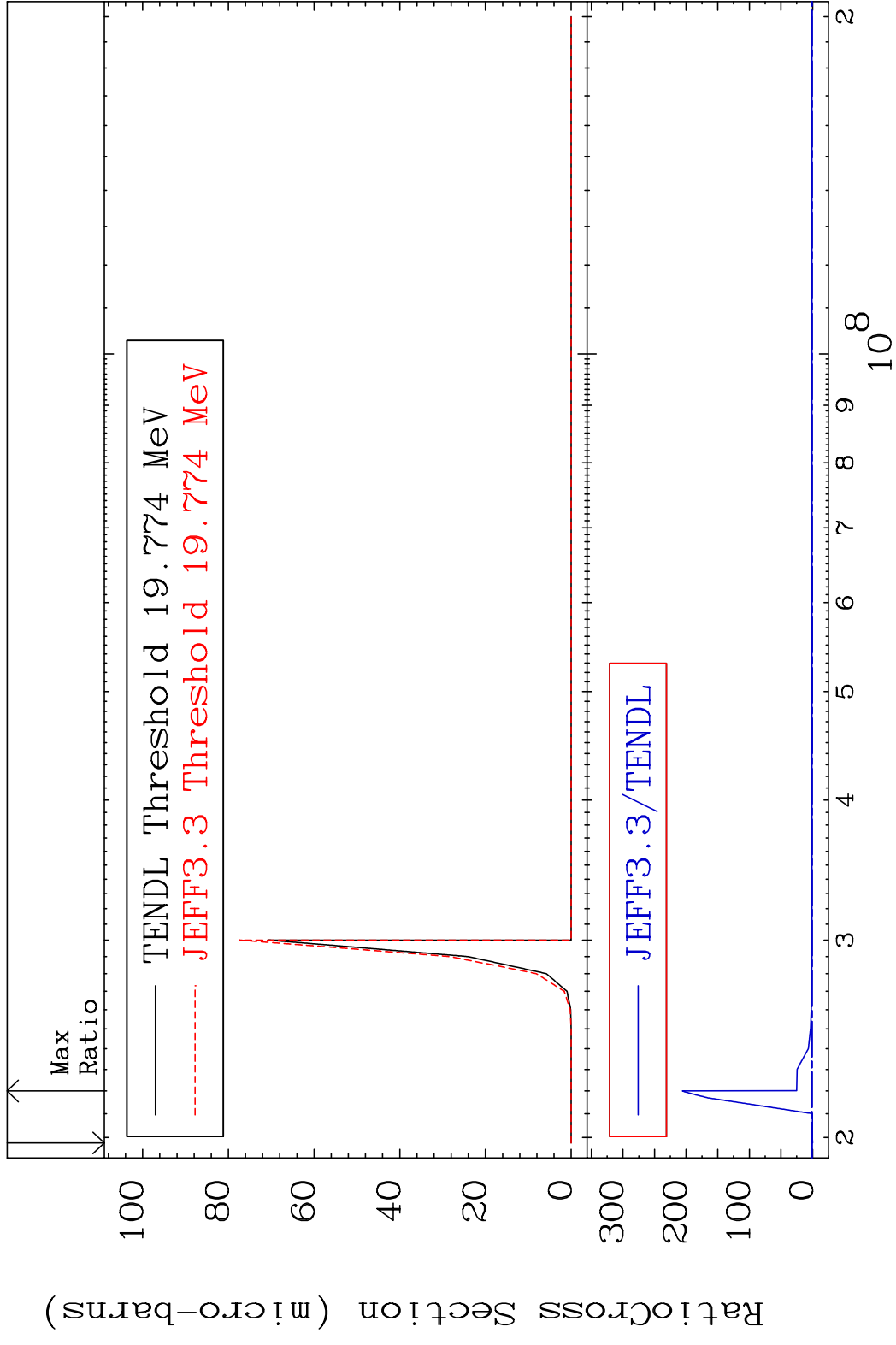
MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
 Cross Section -99.04 To 1787. %

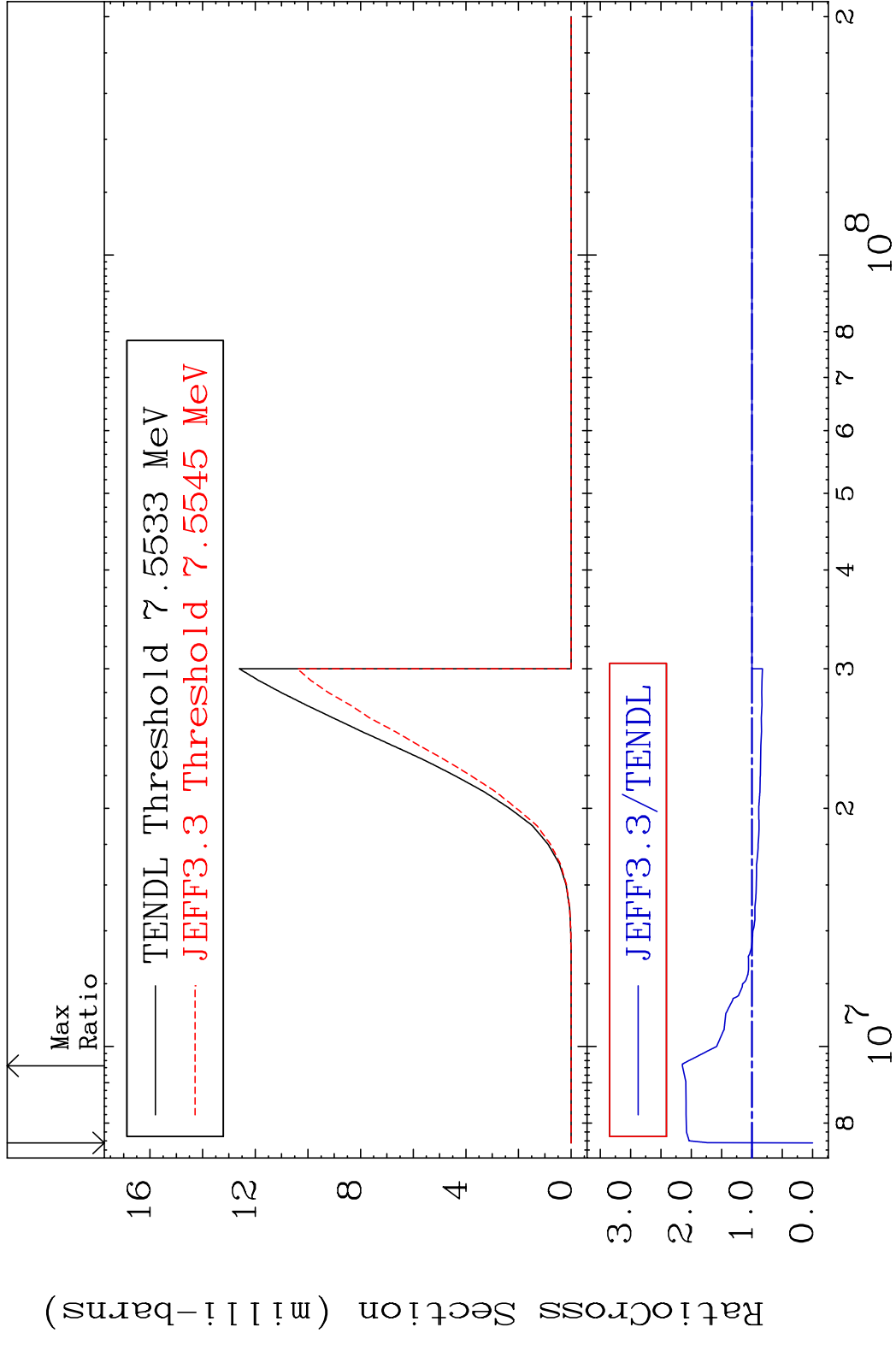


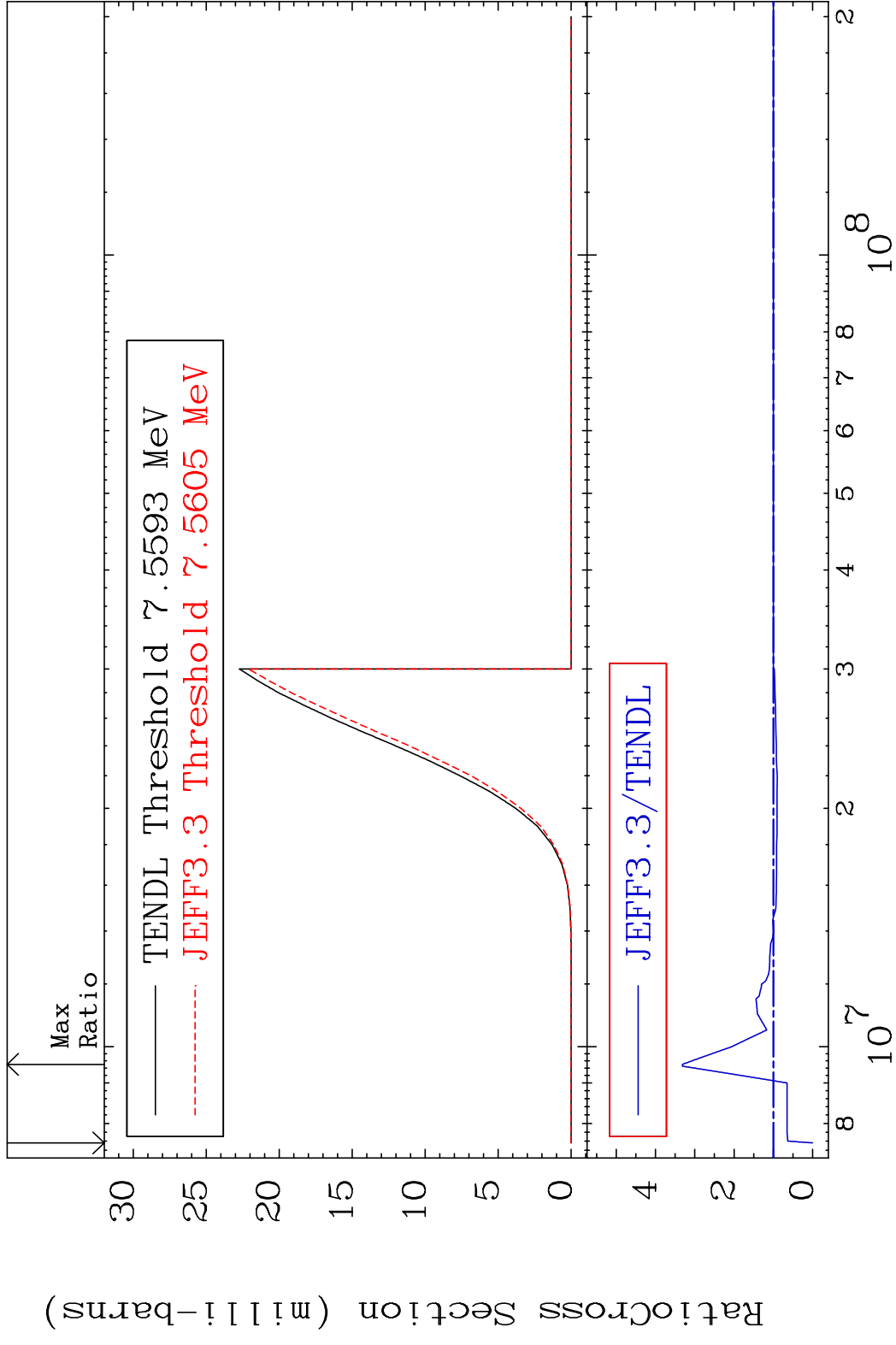


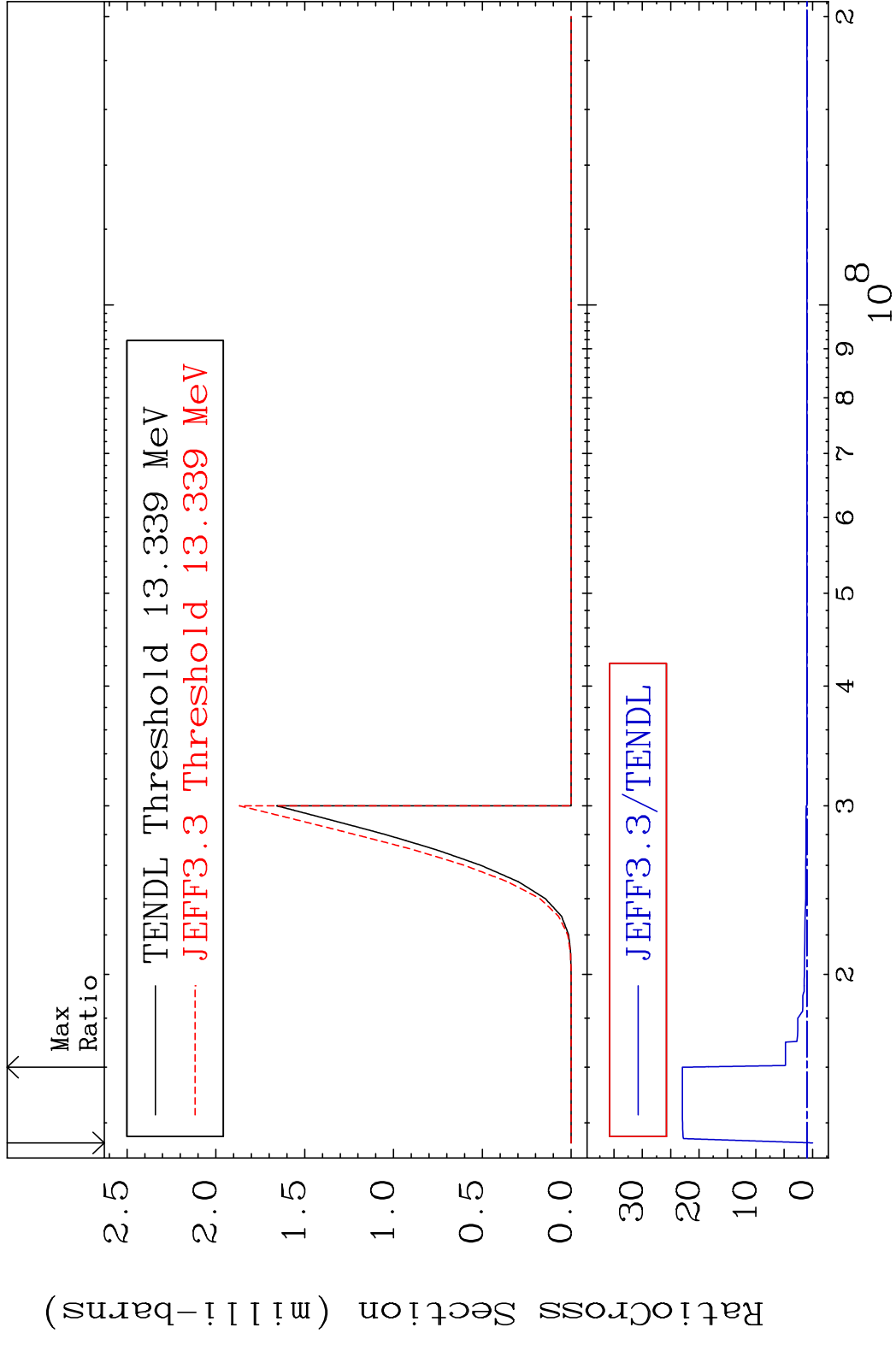




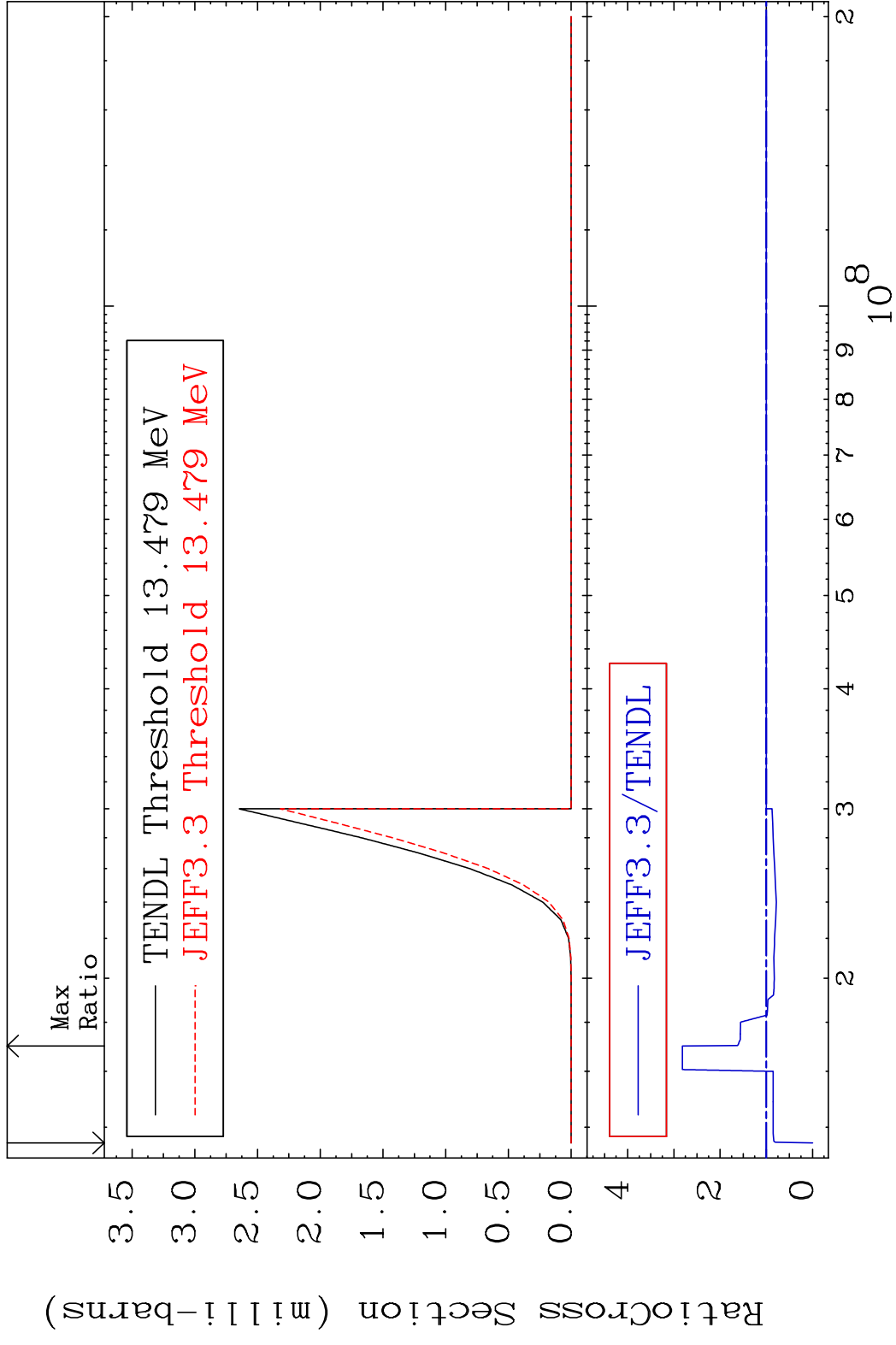


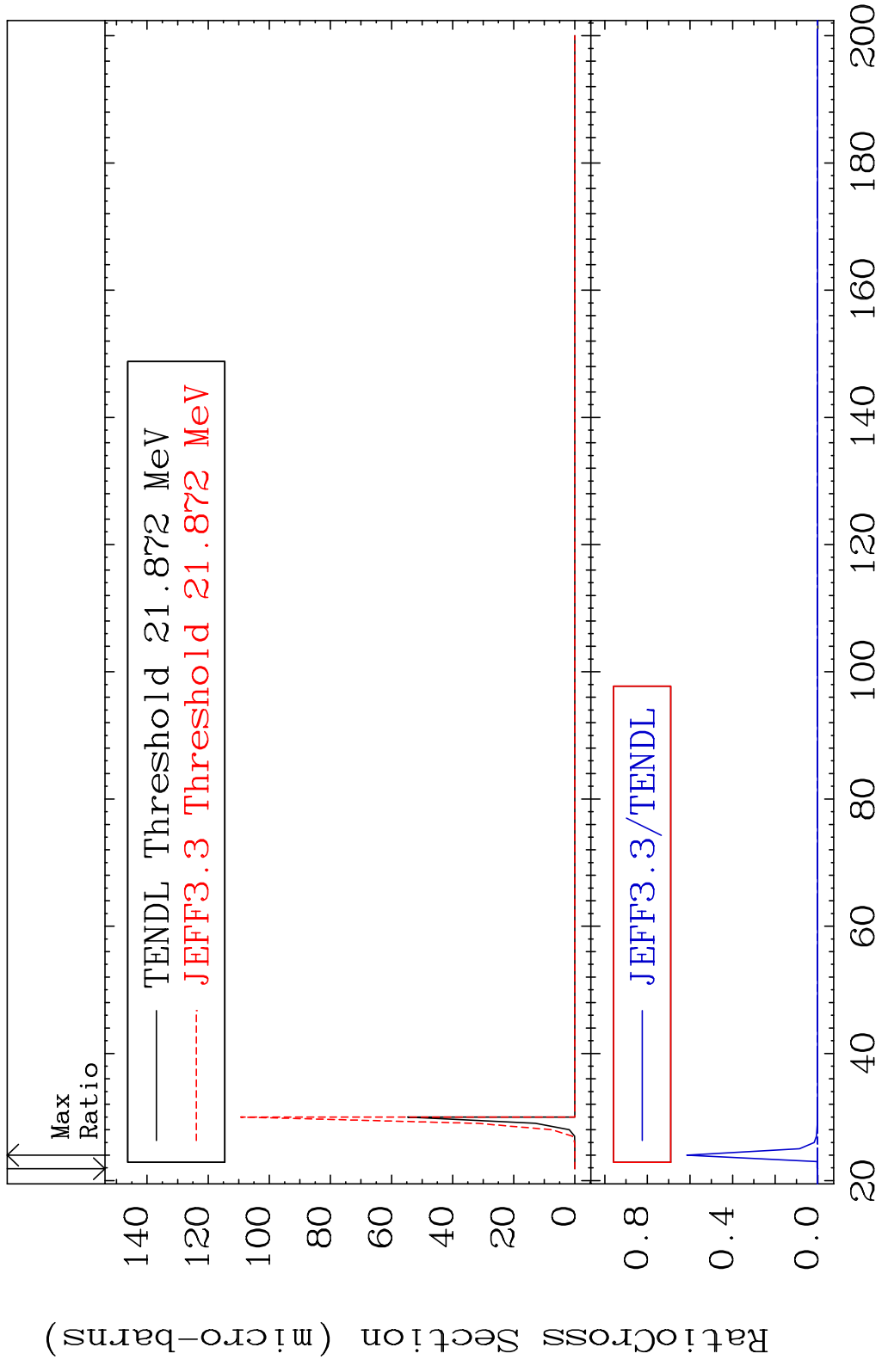


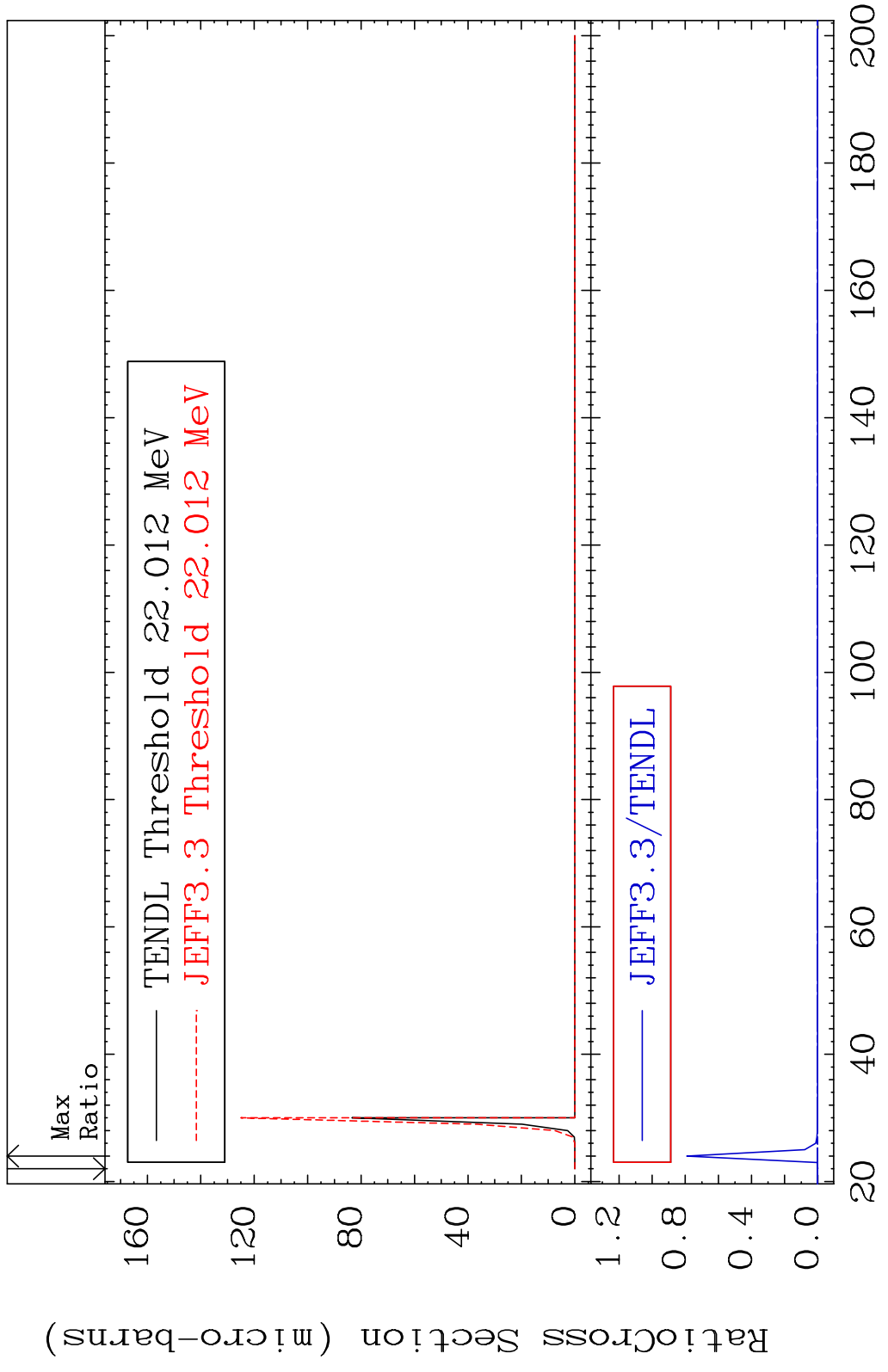


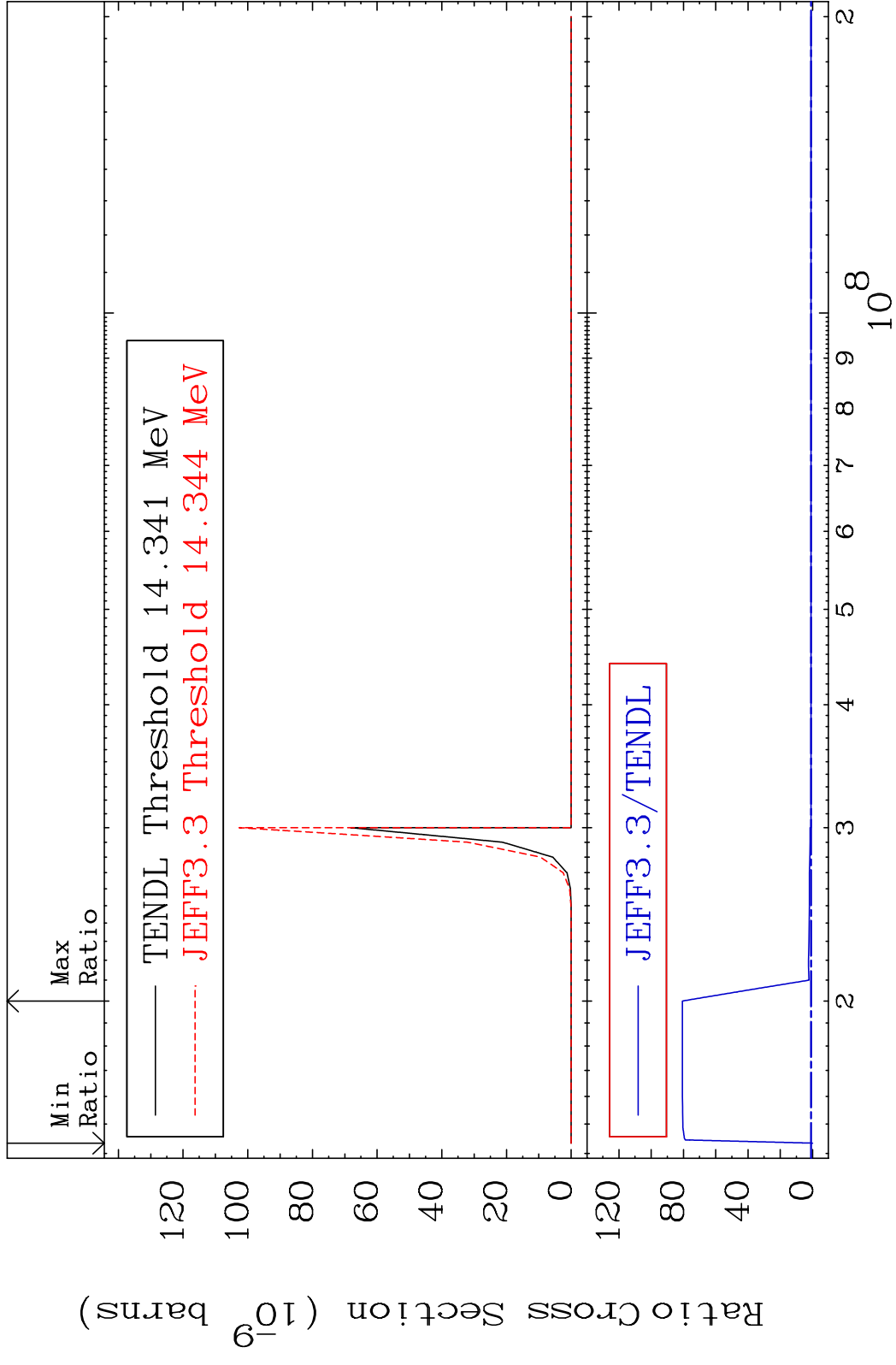


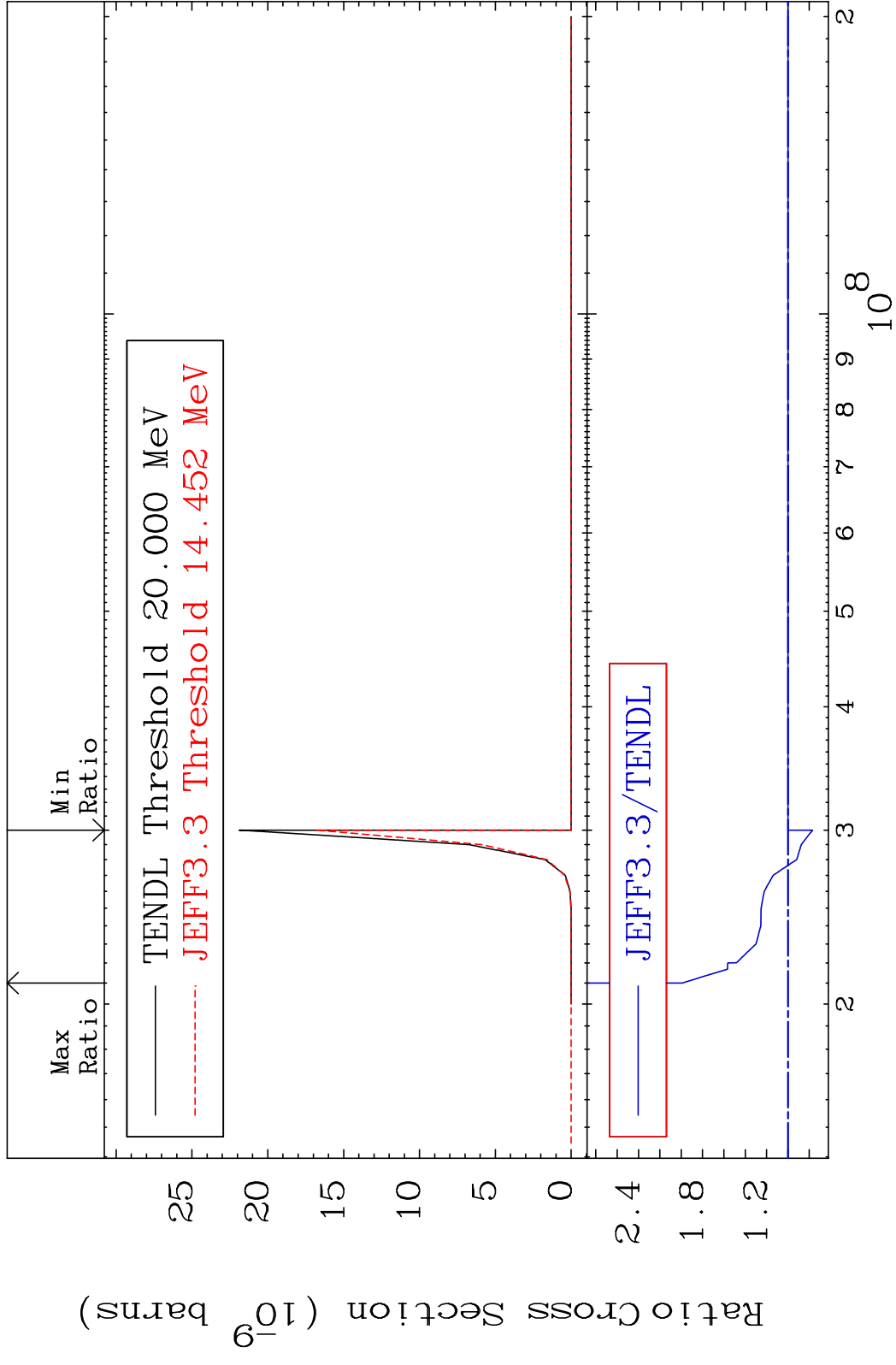
MAT 6840 (n, n') t:67-Ho-164m3 68-Er-167  
 Radionuclide Production Cross Section 181.7 %

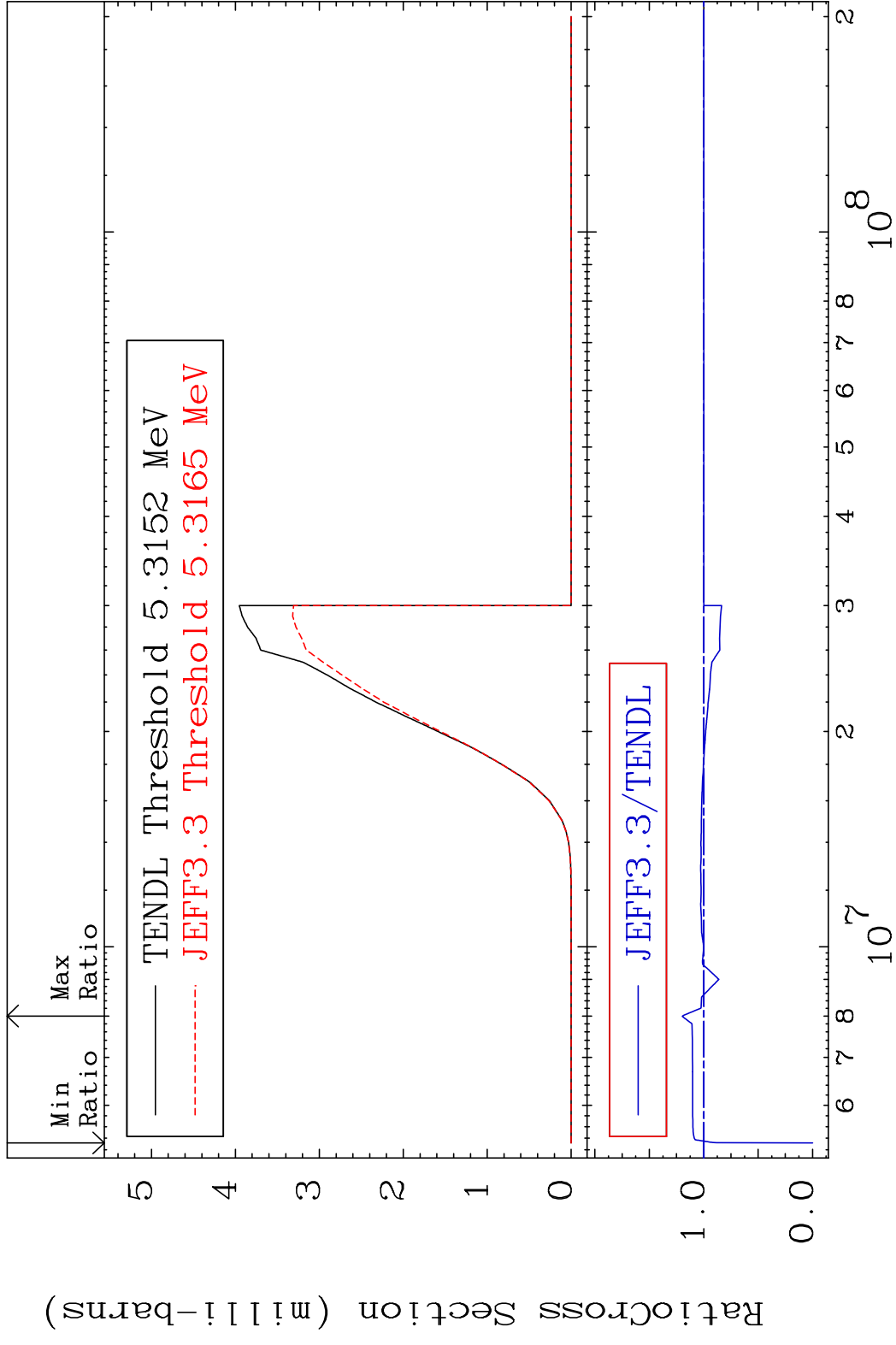


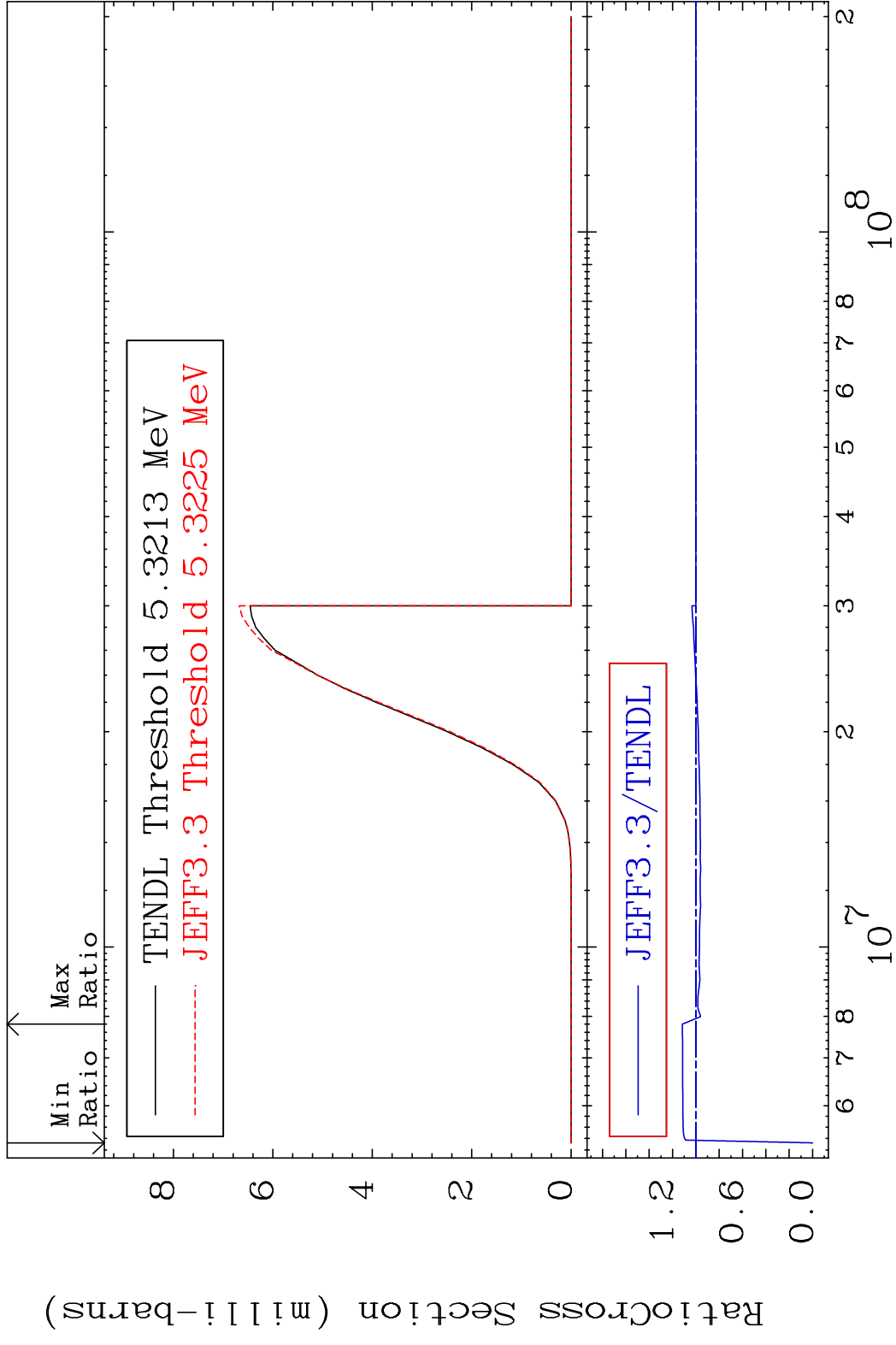


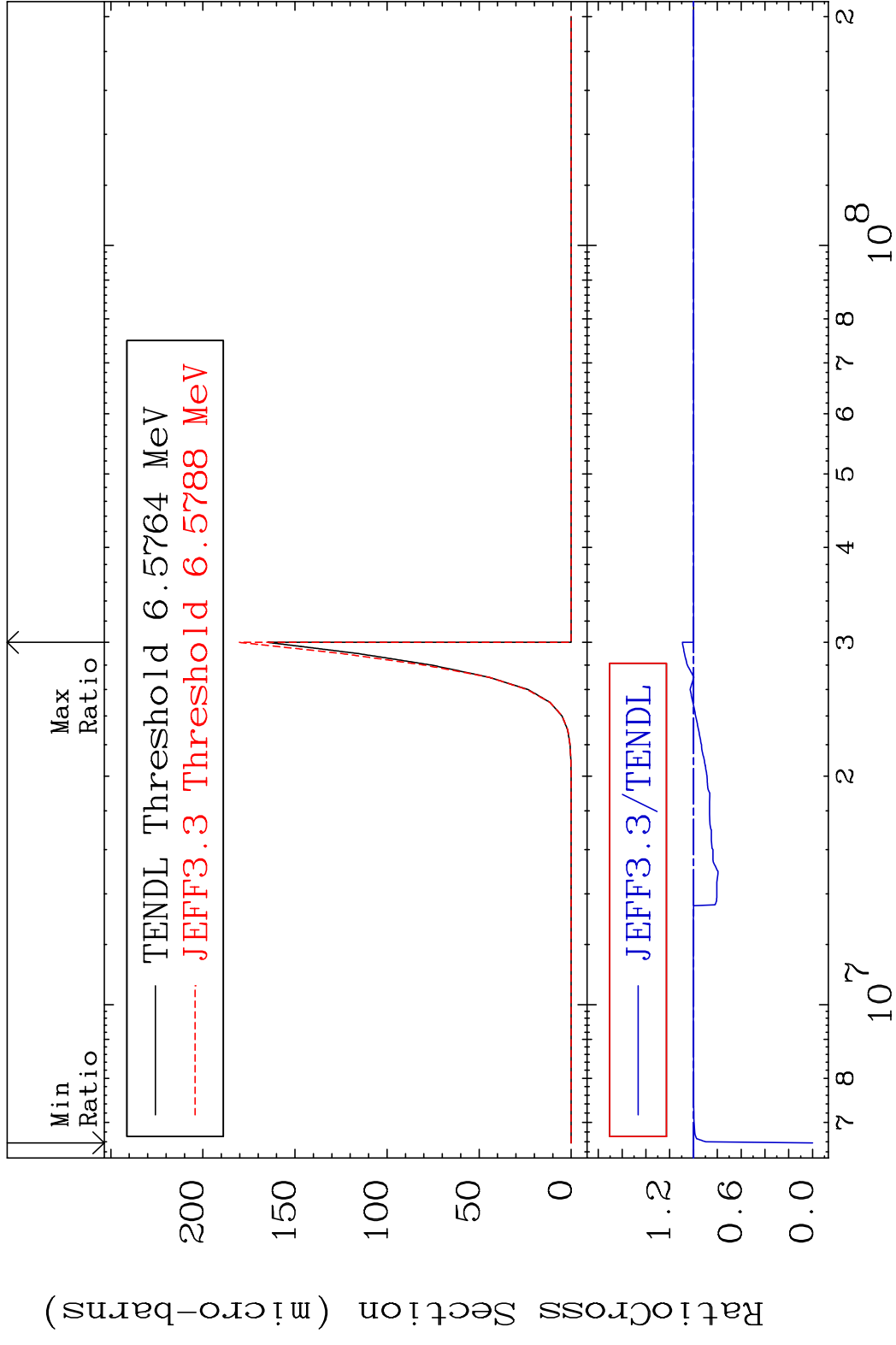












MAT 6840 (n, He-3) : 66-Dy-165m2 68-Er-167  
 Radionuclide Production Cross Section Ratio 0.028 %

