

Program Complot  
(Version 2021-1)

by

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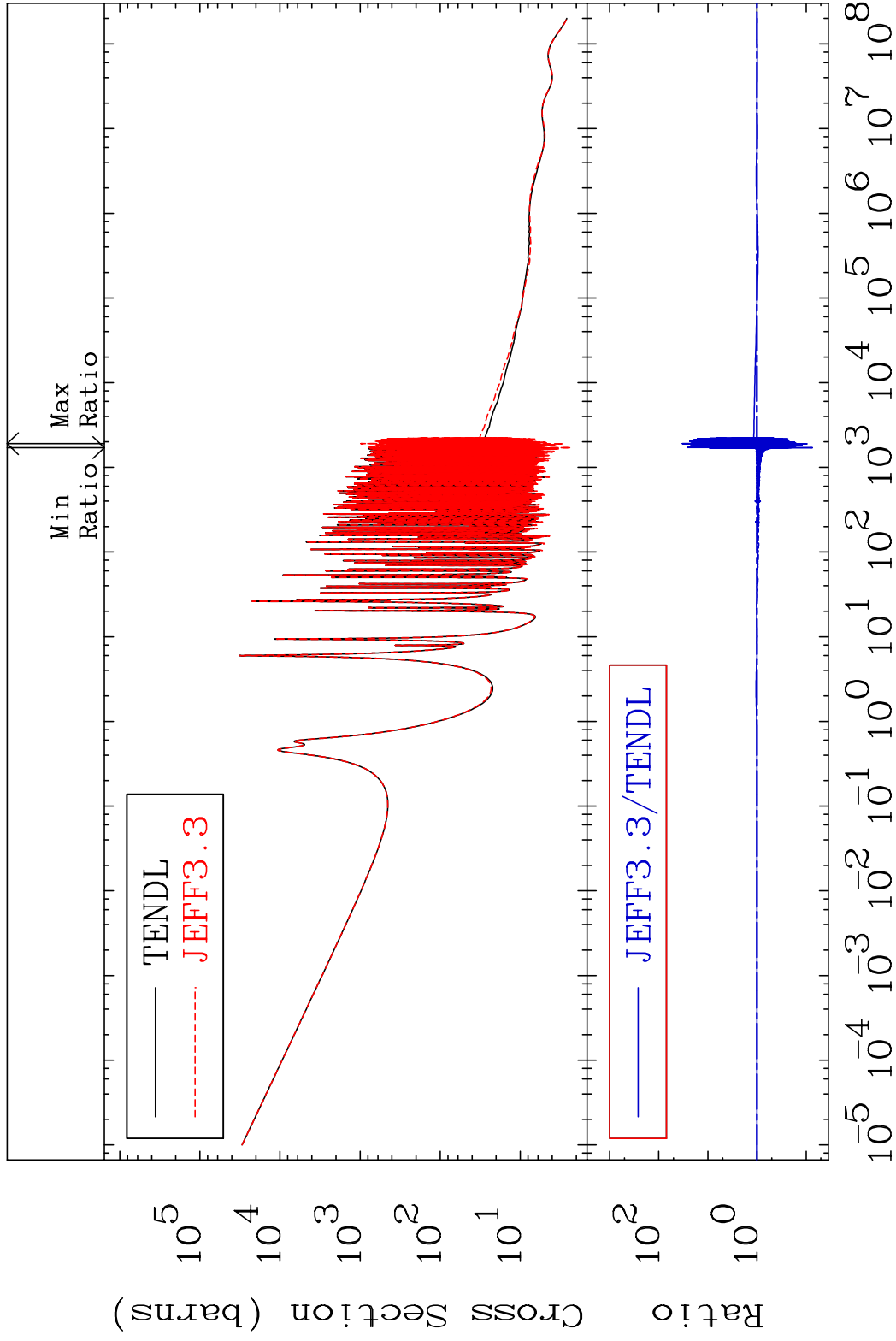
Press Mouse Button to Start

MAT 6840

Total

68-Er-167

Cross Section -92.60 To 3207. %



1

Incident Energy (eV)

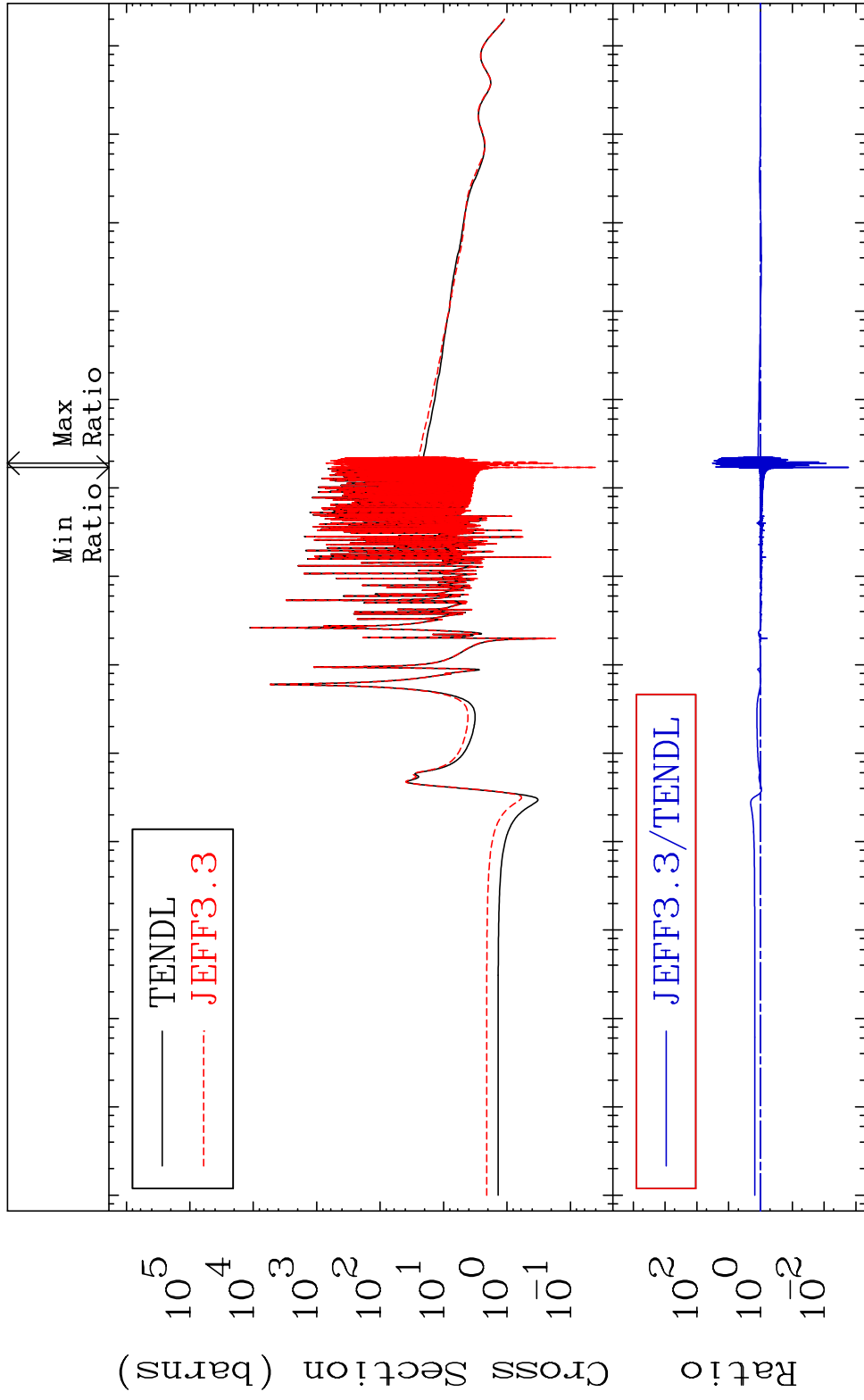
68-Er-167

MAT 6840

Elastic

68-Er-167

Cross Section -99.83 To 3160. %

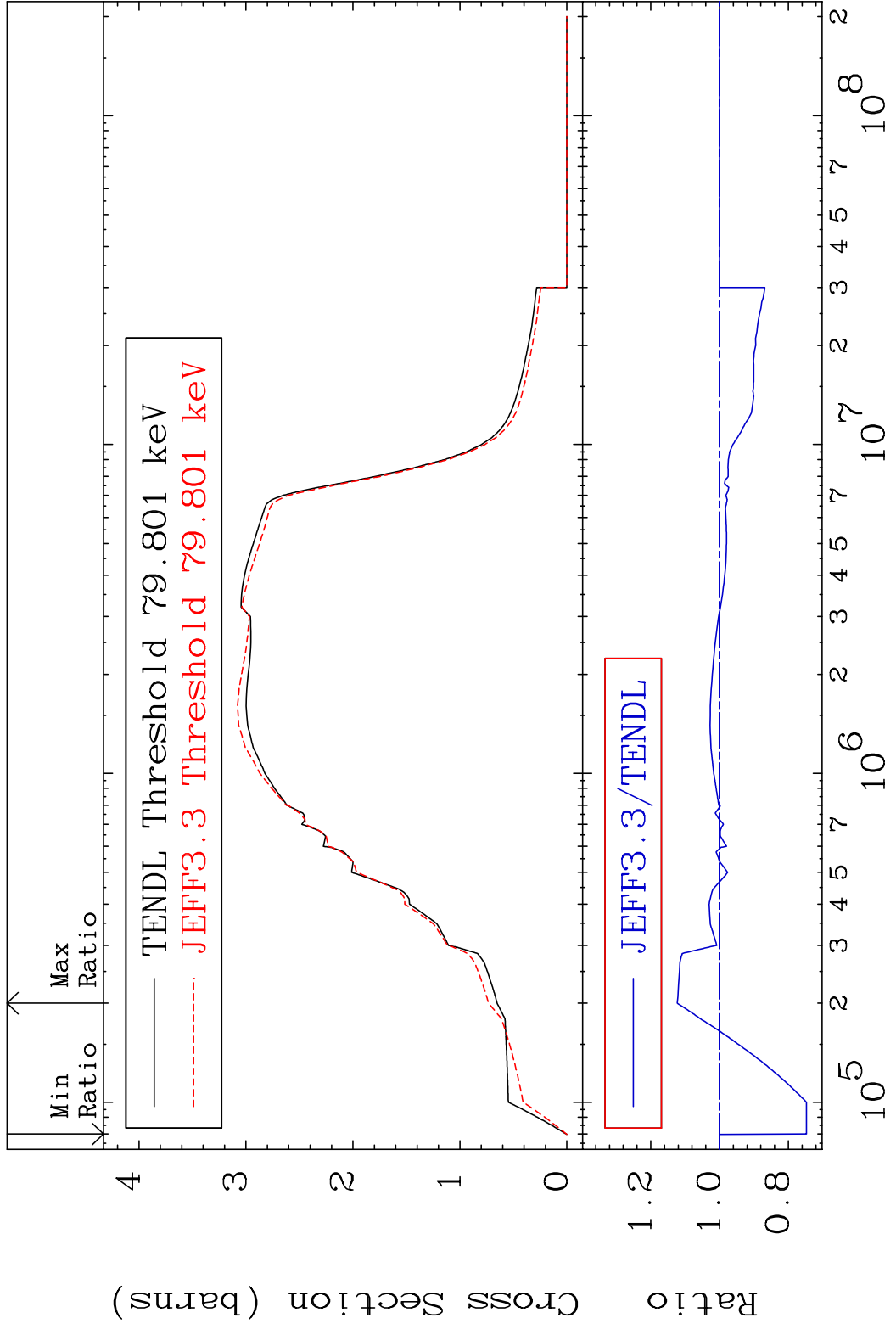


2

Incident Energy (eV)

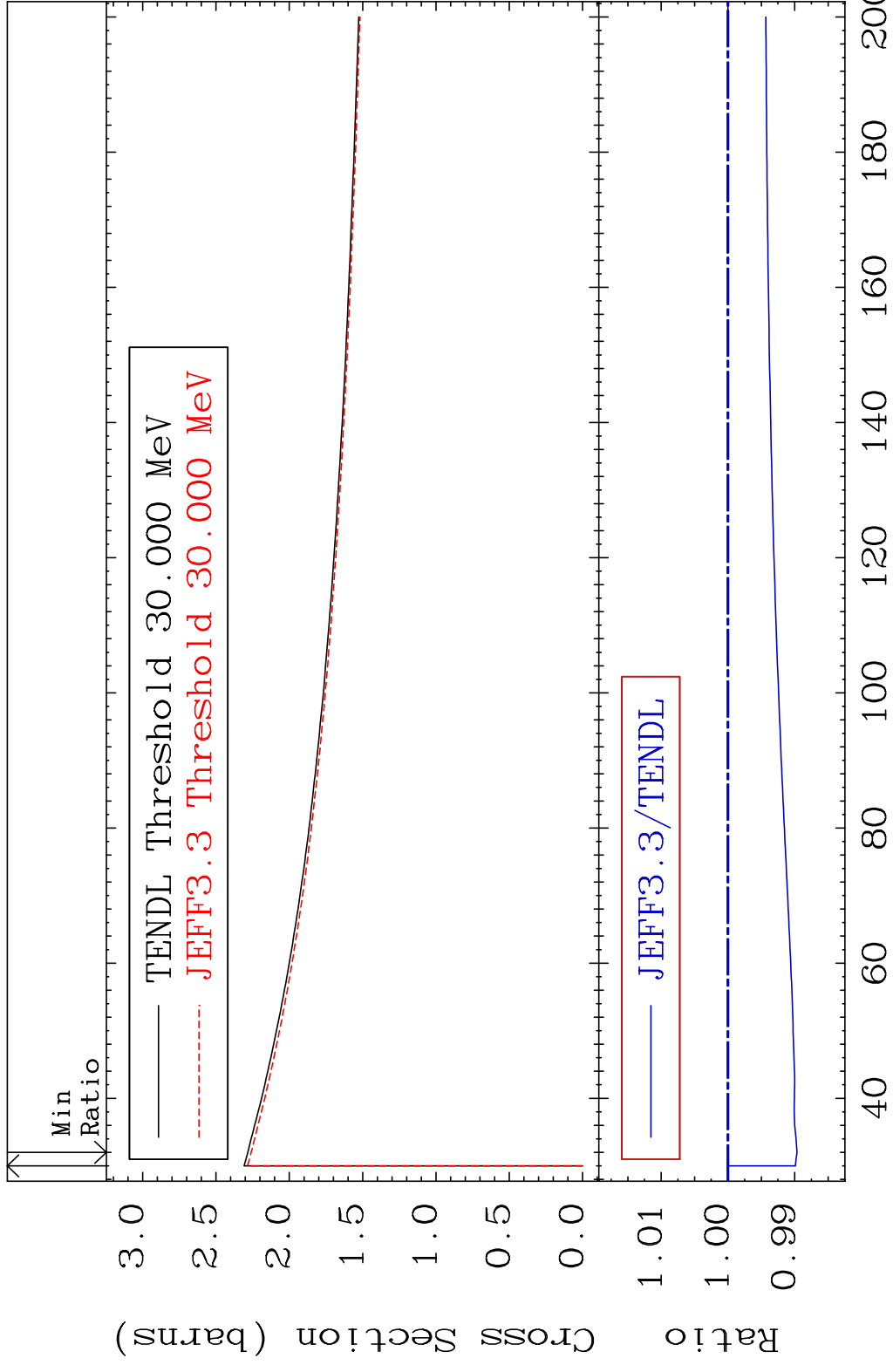
68-Er-167

MAT 6840 Inelastic 68-Er-167  
 Cross Section -25.25 To 12.31 %

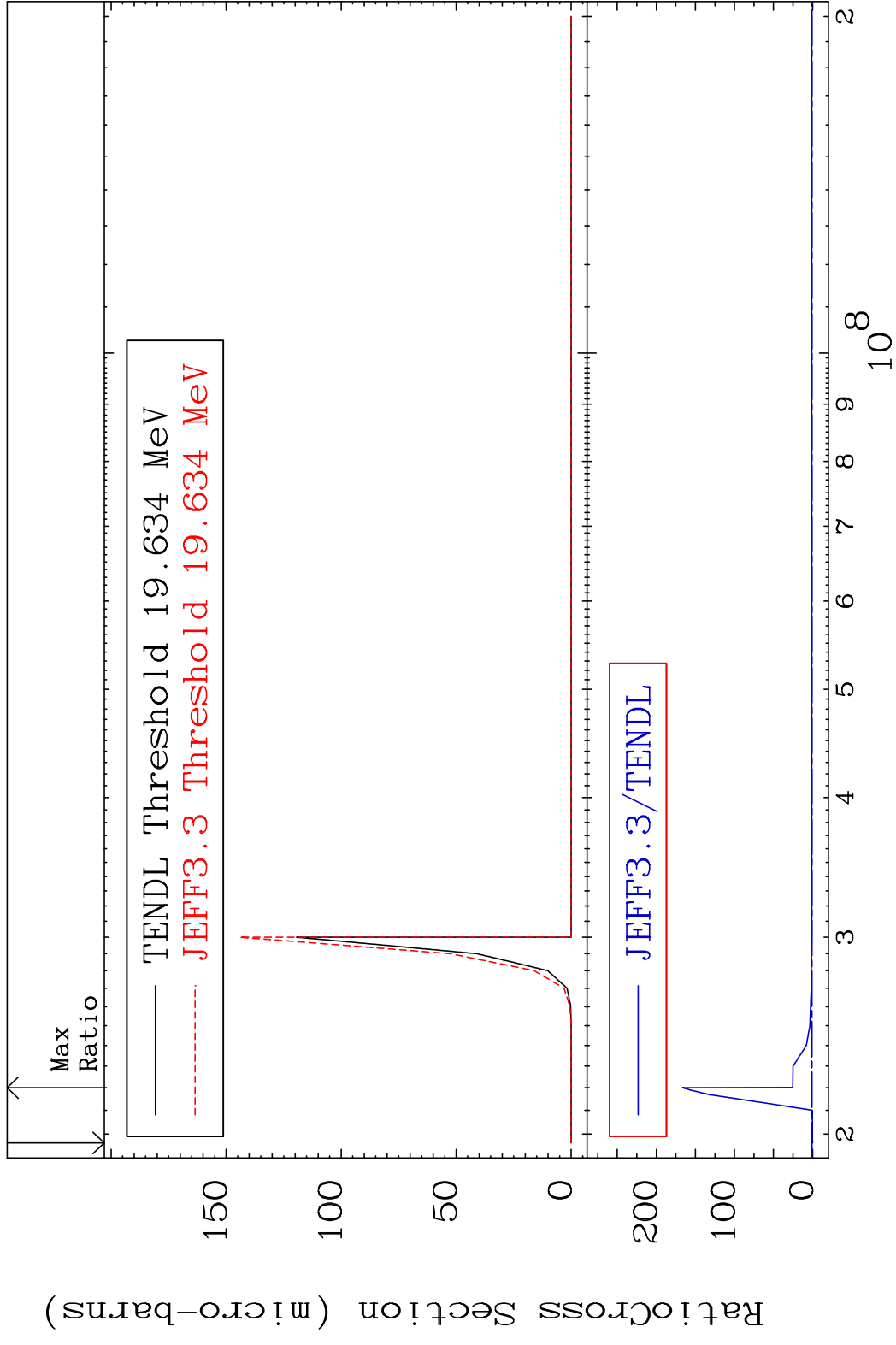


3 Incident Energy (eV) 68-Er-167

MAT 6840 (n, remainder) 68-Er-167  
 Cross Section -1.033 To 0.000 %

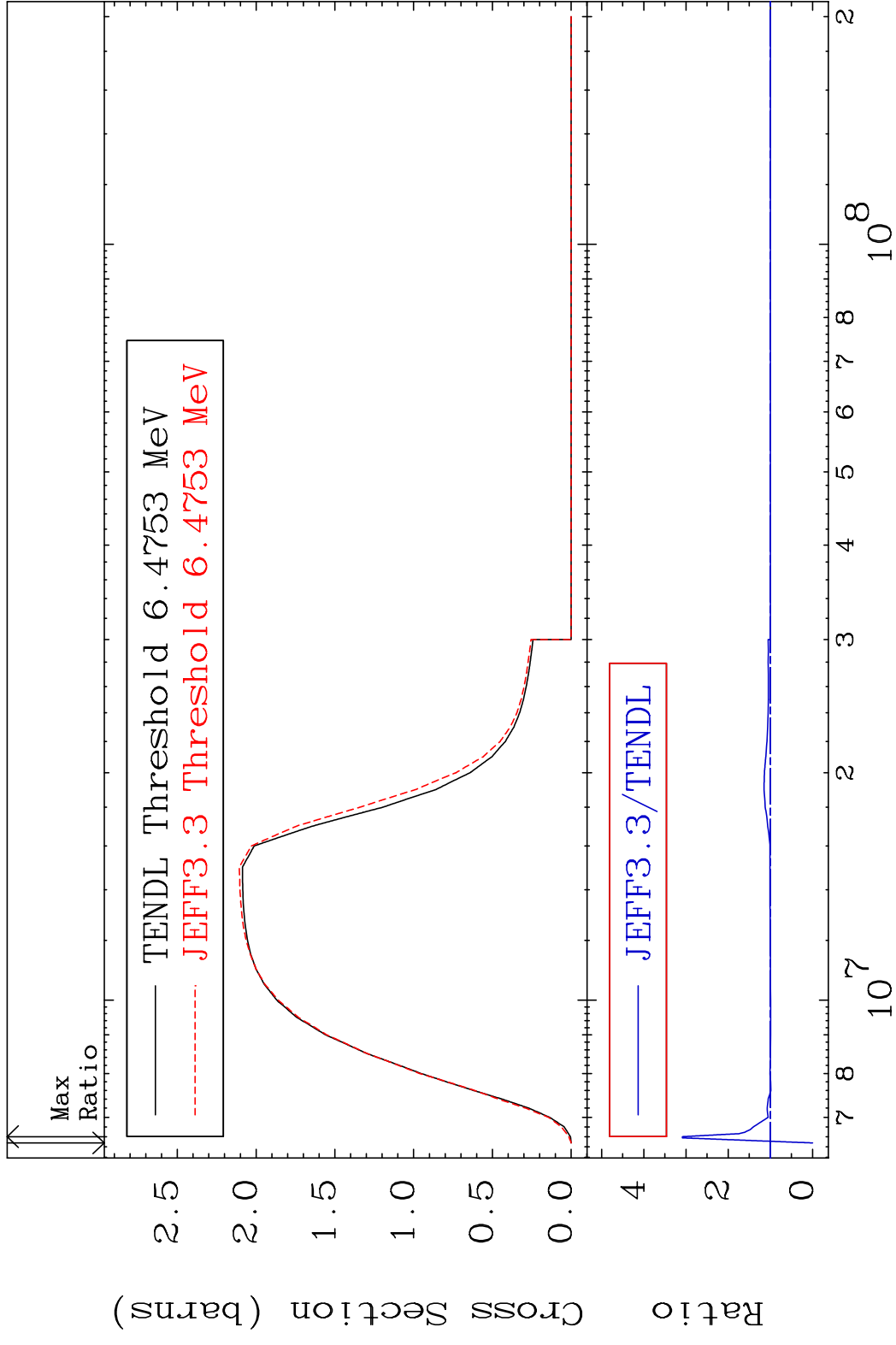


MAT 6840 (n,2n) d 68-Er-167  
 Cross Section -100.0 To 9999. %

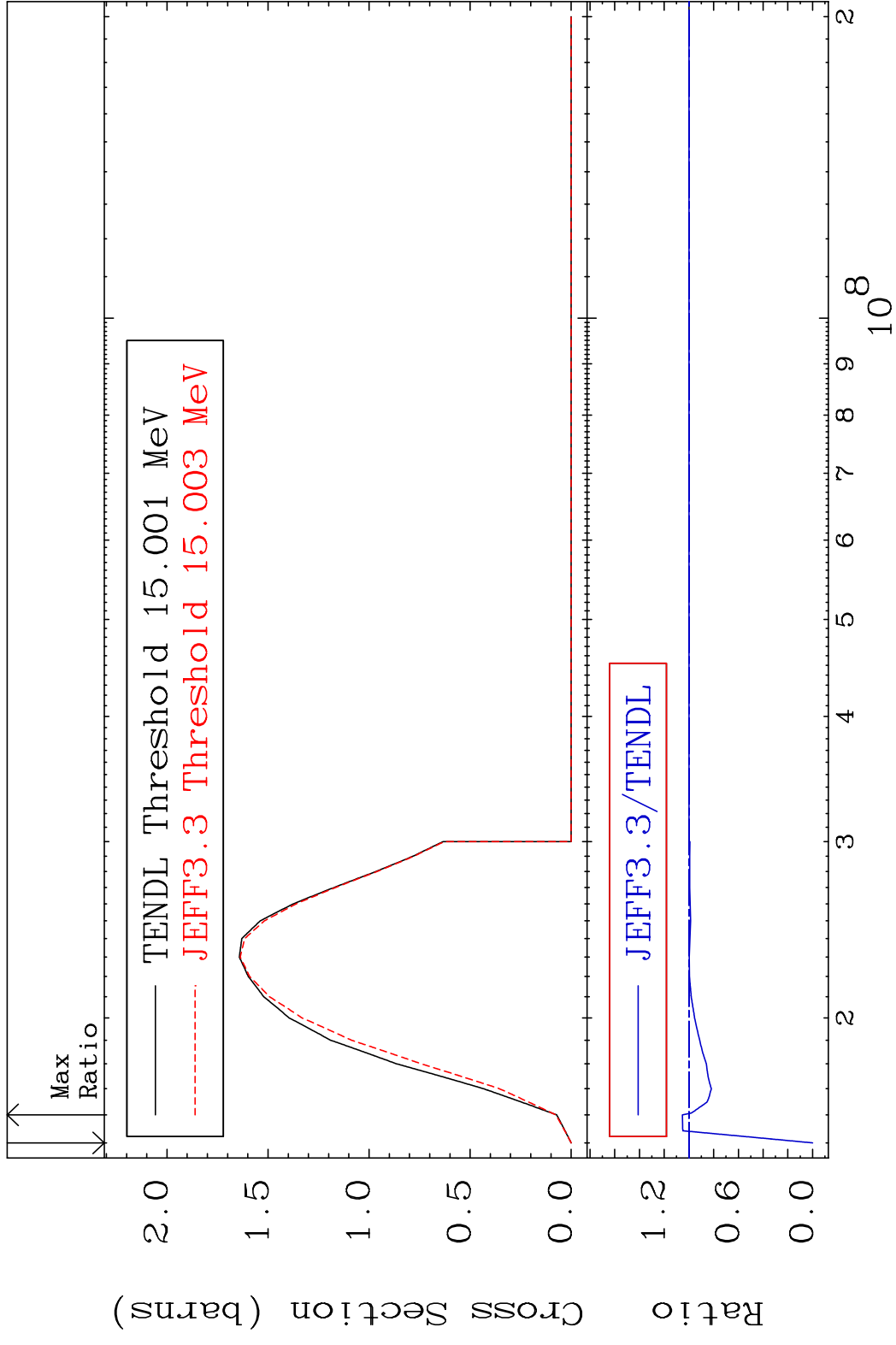


5 Incident Energy (eV) 68-Er-167

MAT 6840 (n,2n) 68-Er-167  
 Cross Section -100.0 To 208.6 %



MAT 6840 (n,3n) 68-Er-167  
 Cross Section -100.0 To 5.315 %



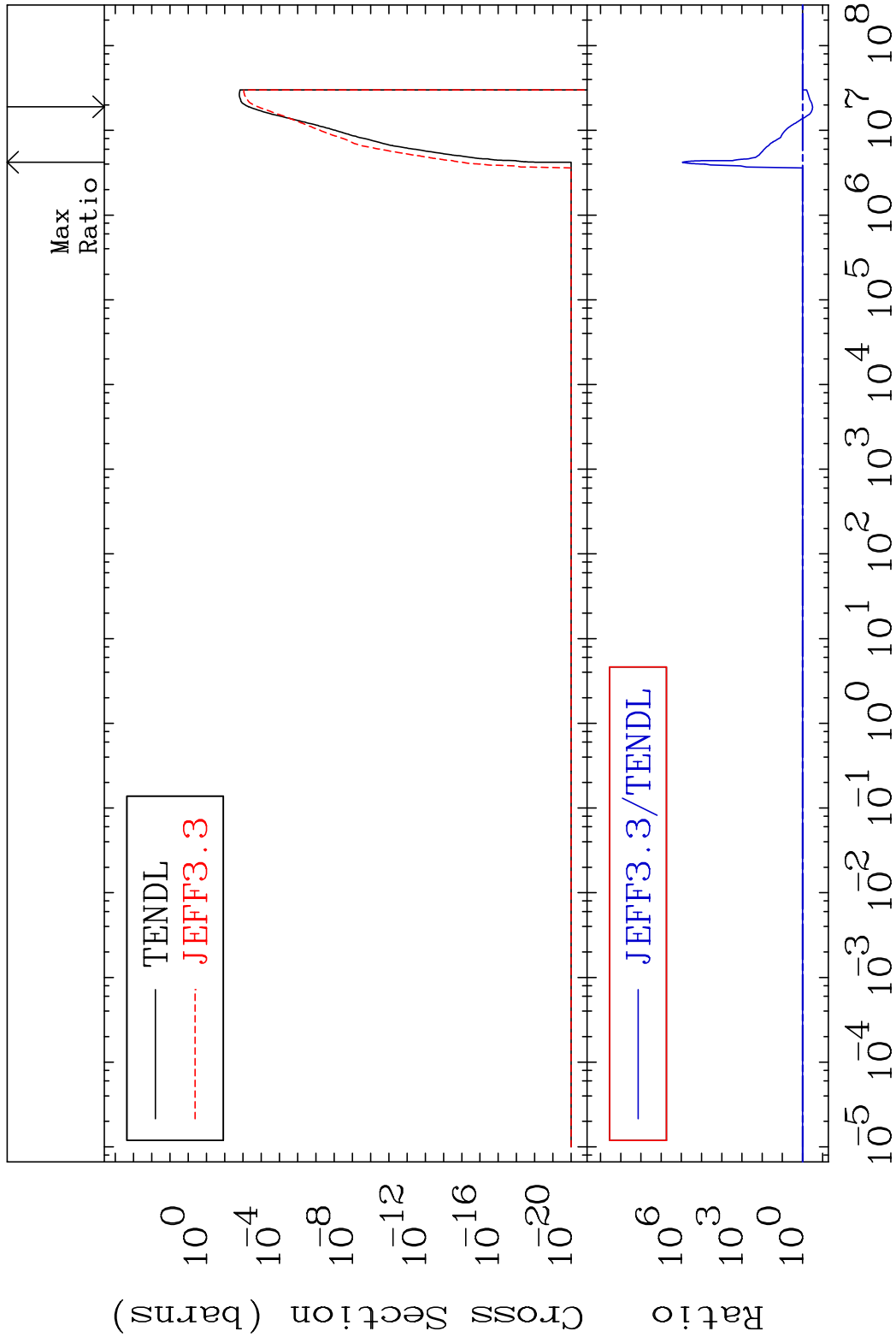


MAT 6840

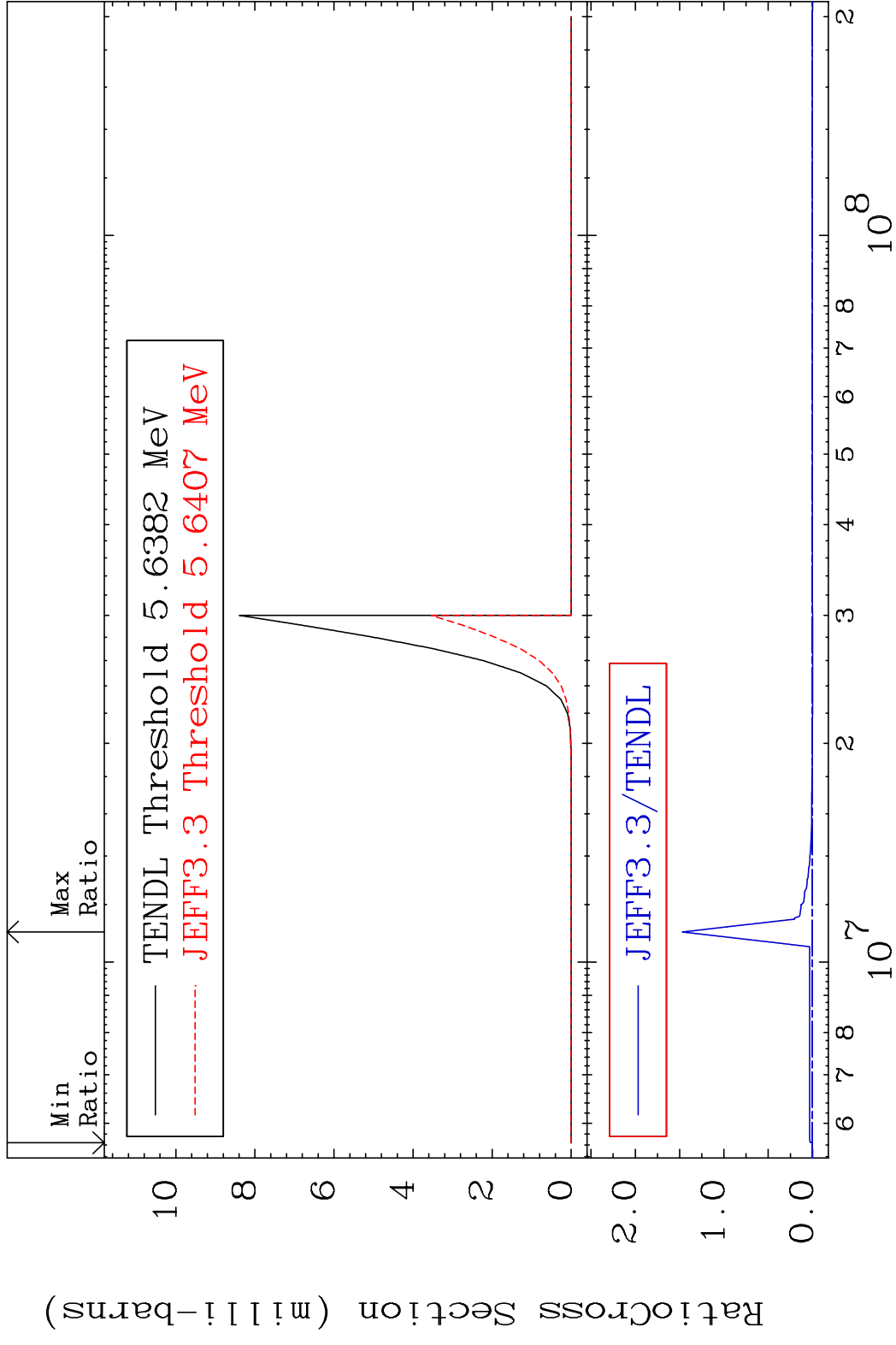
(n, n')  $\alpha$

68-Er-167

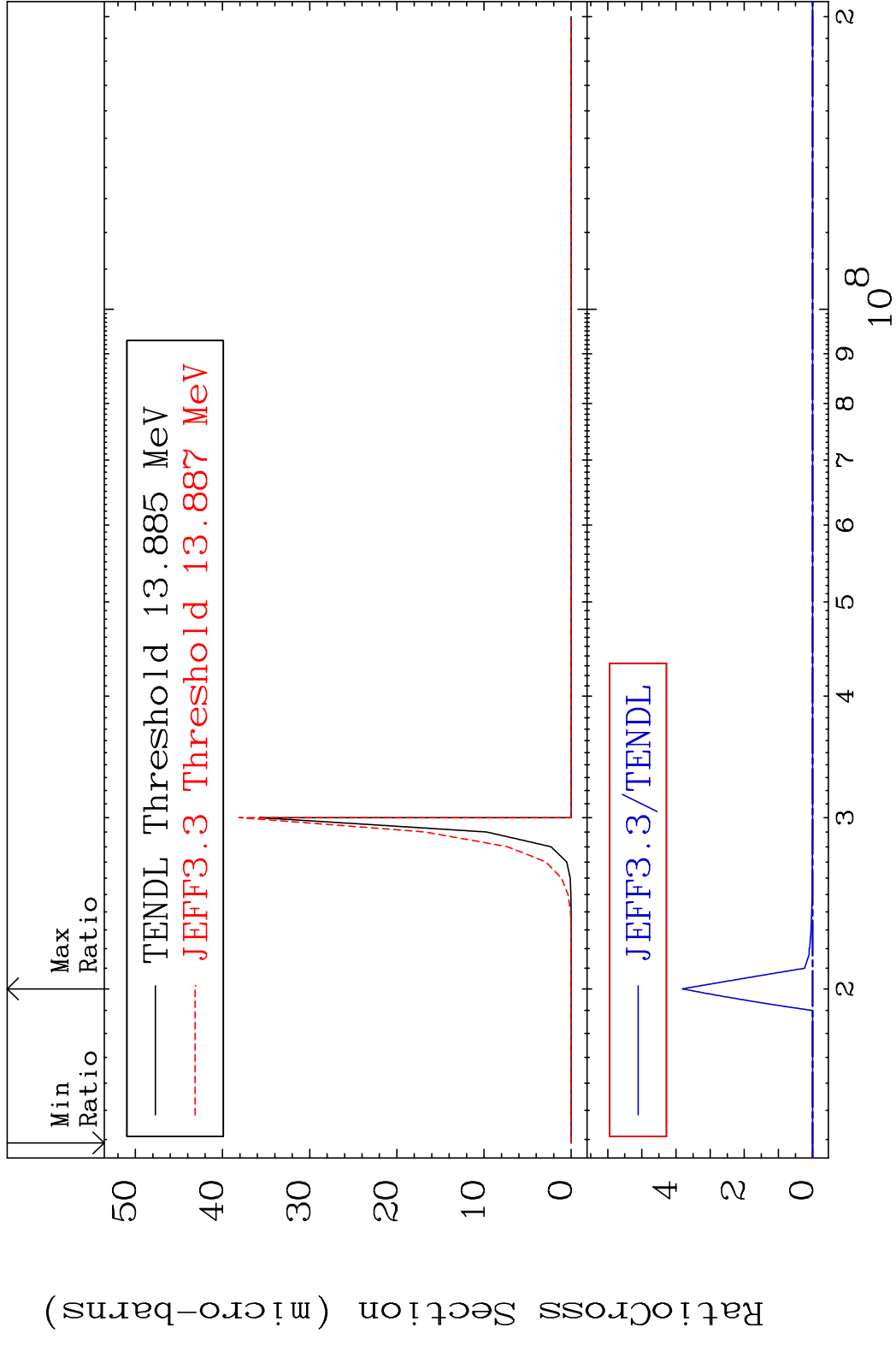
Cross Section -68.12 To 9999. %



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

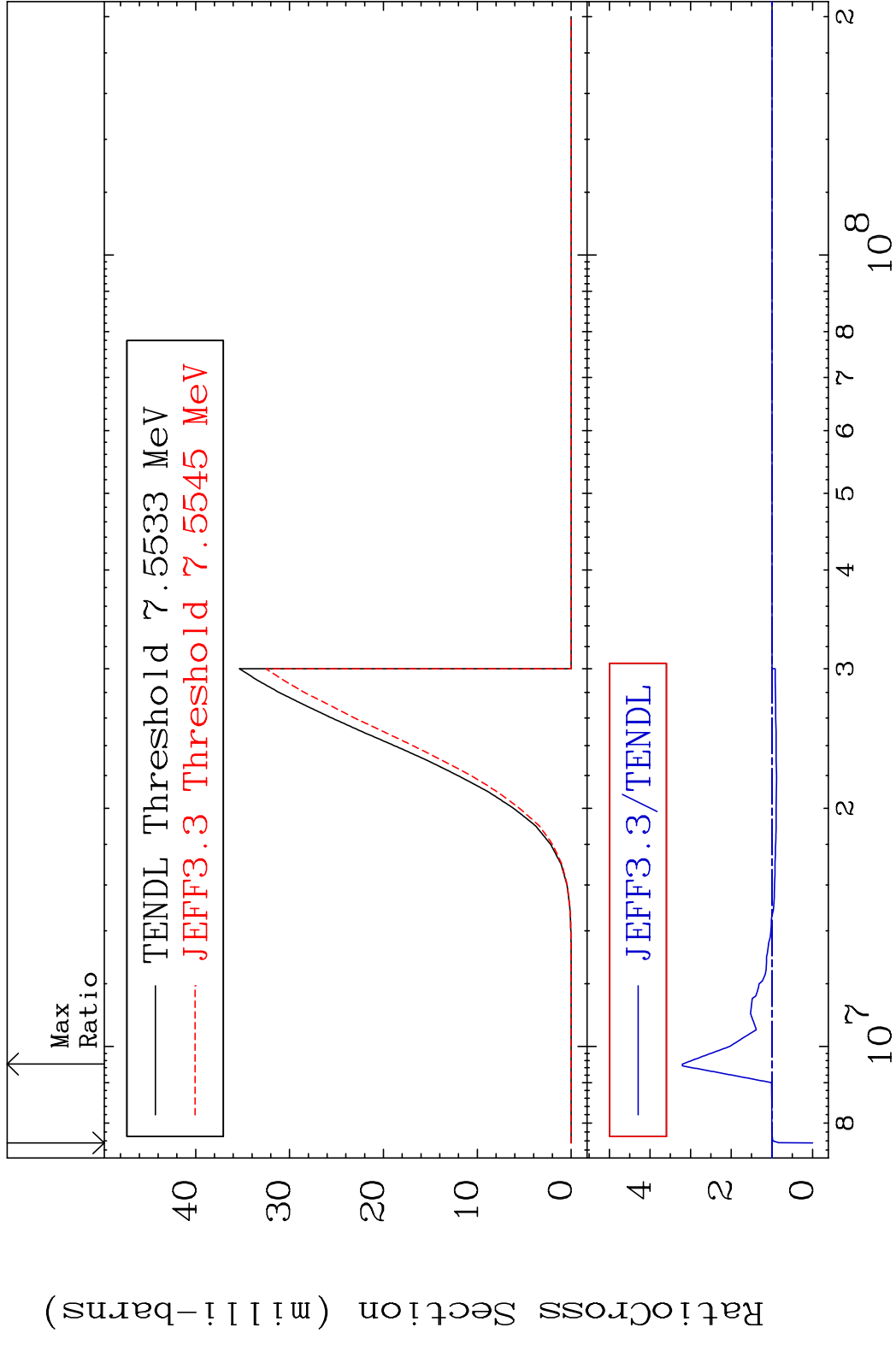


MAT 6840 (n,3n)  $\alpha$  68-Er-167  
 Cross Section -100.0 To 9999. %



10 Incident Energy (eV) 68-Er-167

MAT 6840 (n, n') p 68-Er-167  
 Cross Section -100.0 To 220.3 %

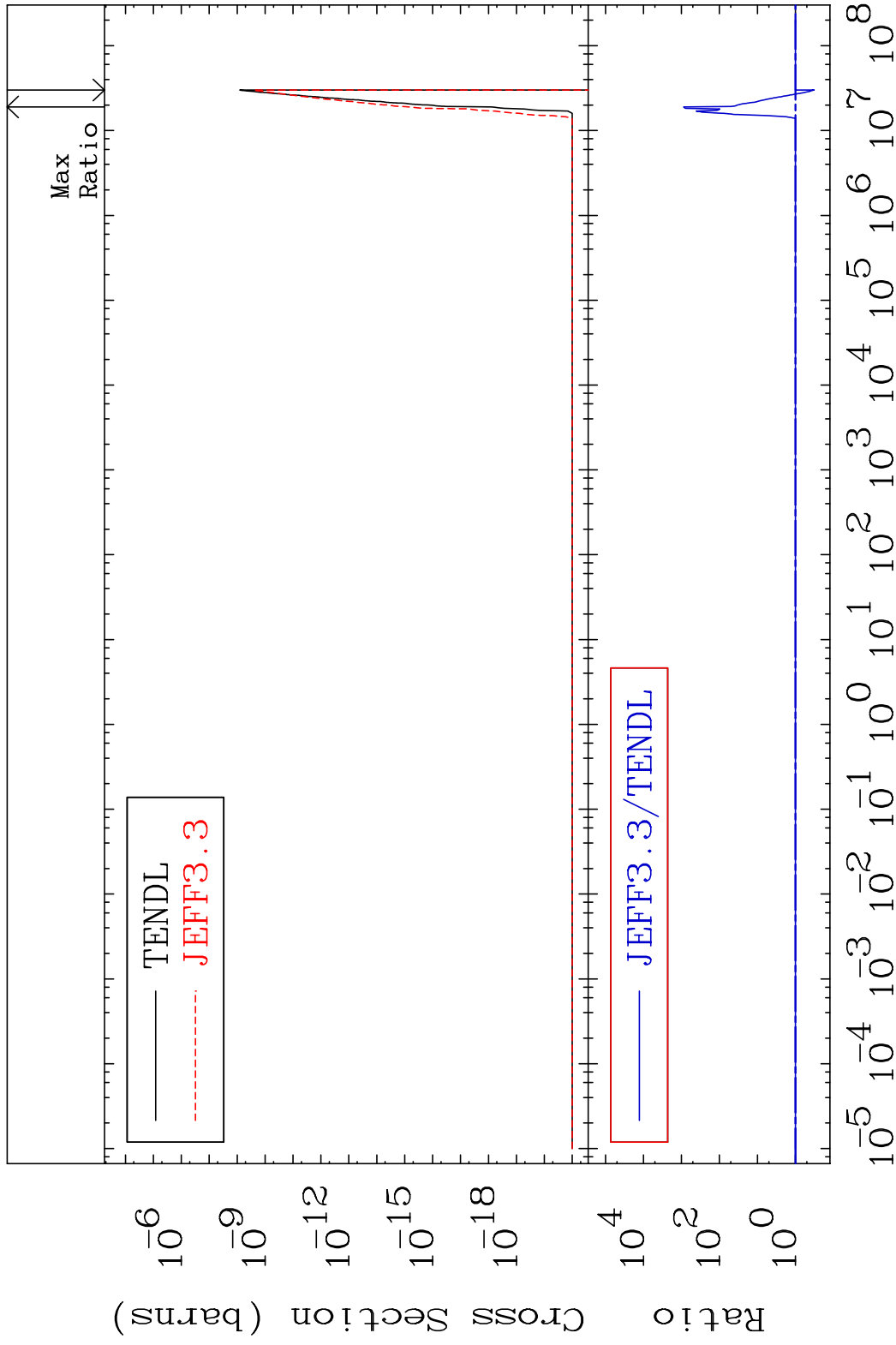


MAT 6840

(n, n') 2α

68-Er-167

Cross Section -67.83 To 9999. %

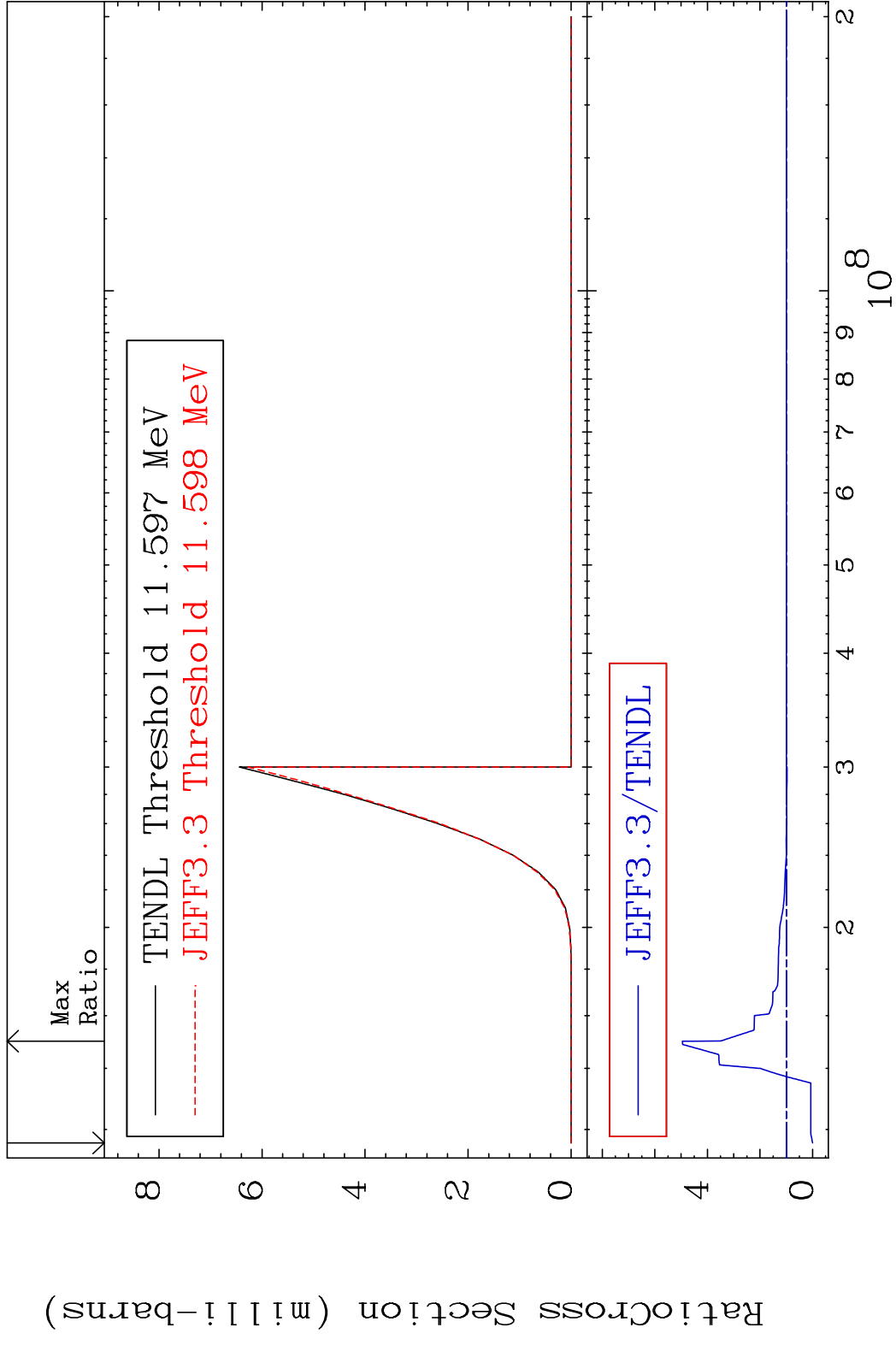


12

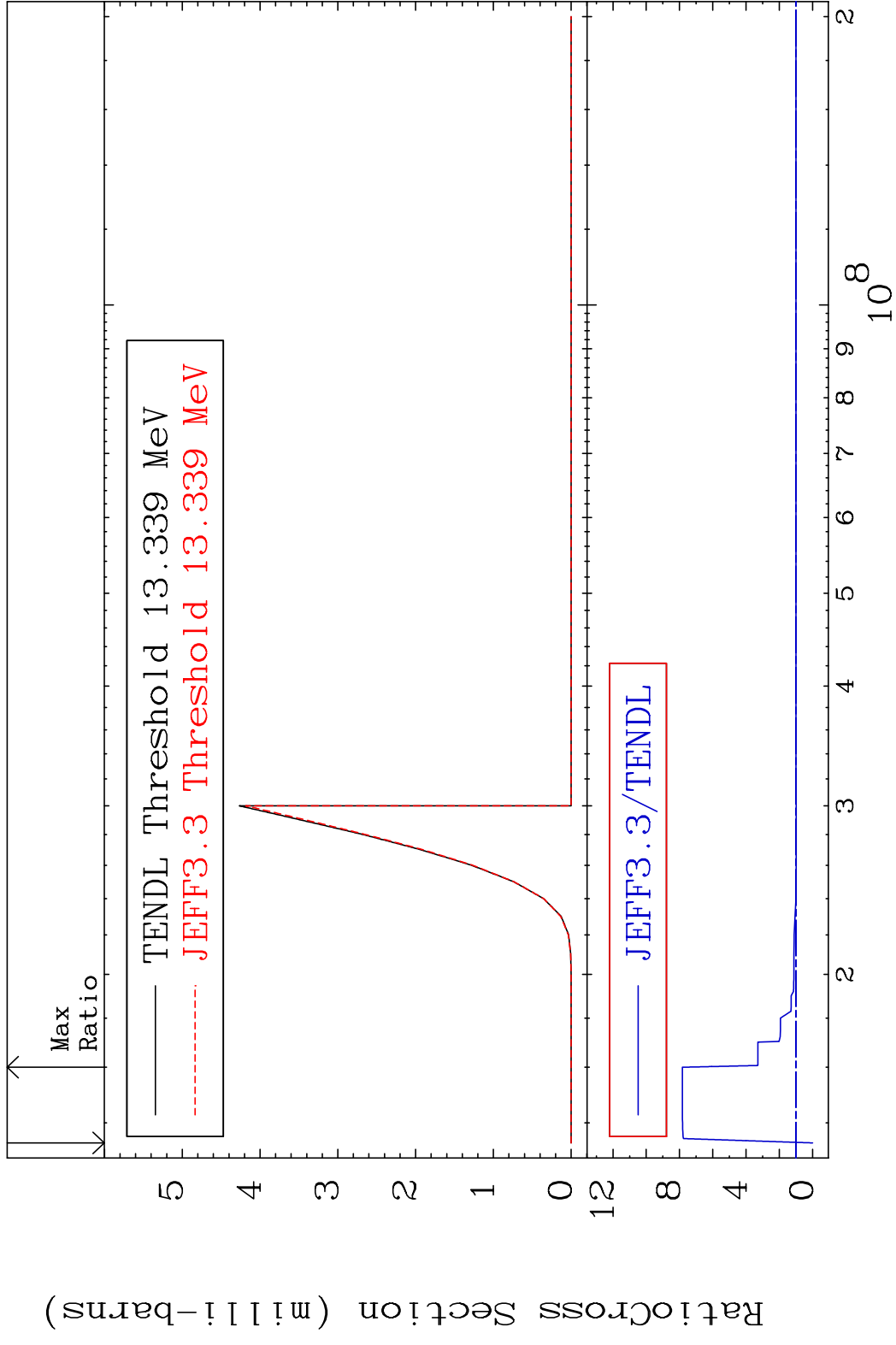
Incident Energy (eV)

68-Er-167

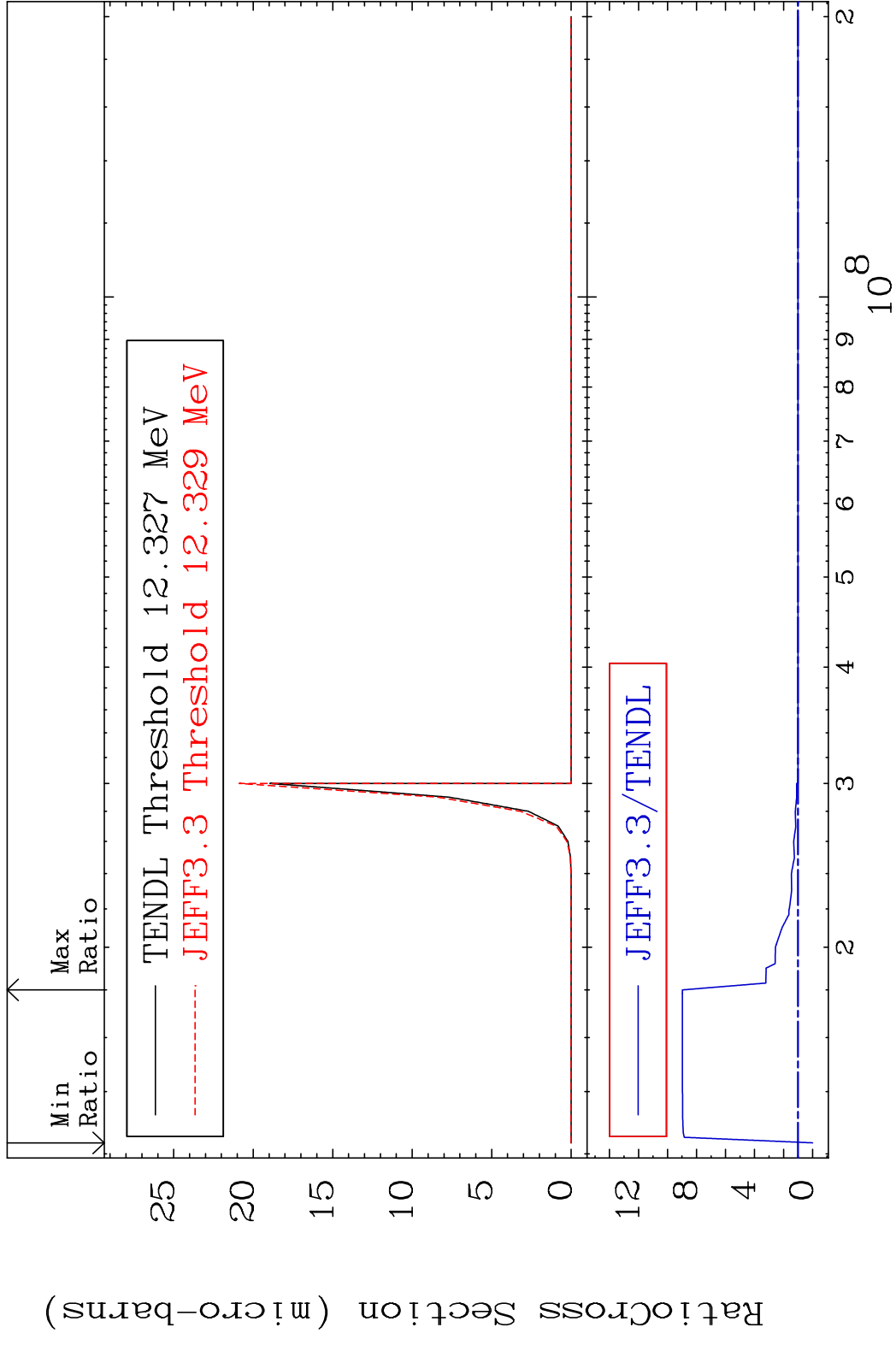
MAT 6840 (n, n') d 68-Er-167  
 Cross Section -100.0 To 395.3 %



MAT 6840 (n, n') t 68-Er-167  
 Cross Section -100.0 To 682.9 %



MAT 6840 (n,n') He-3 68-Er-167  
 Cross Section -100.0 To 797.7 %



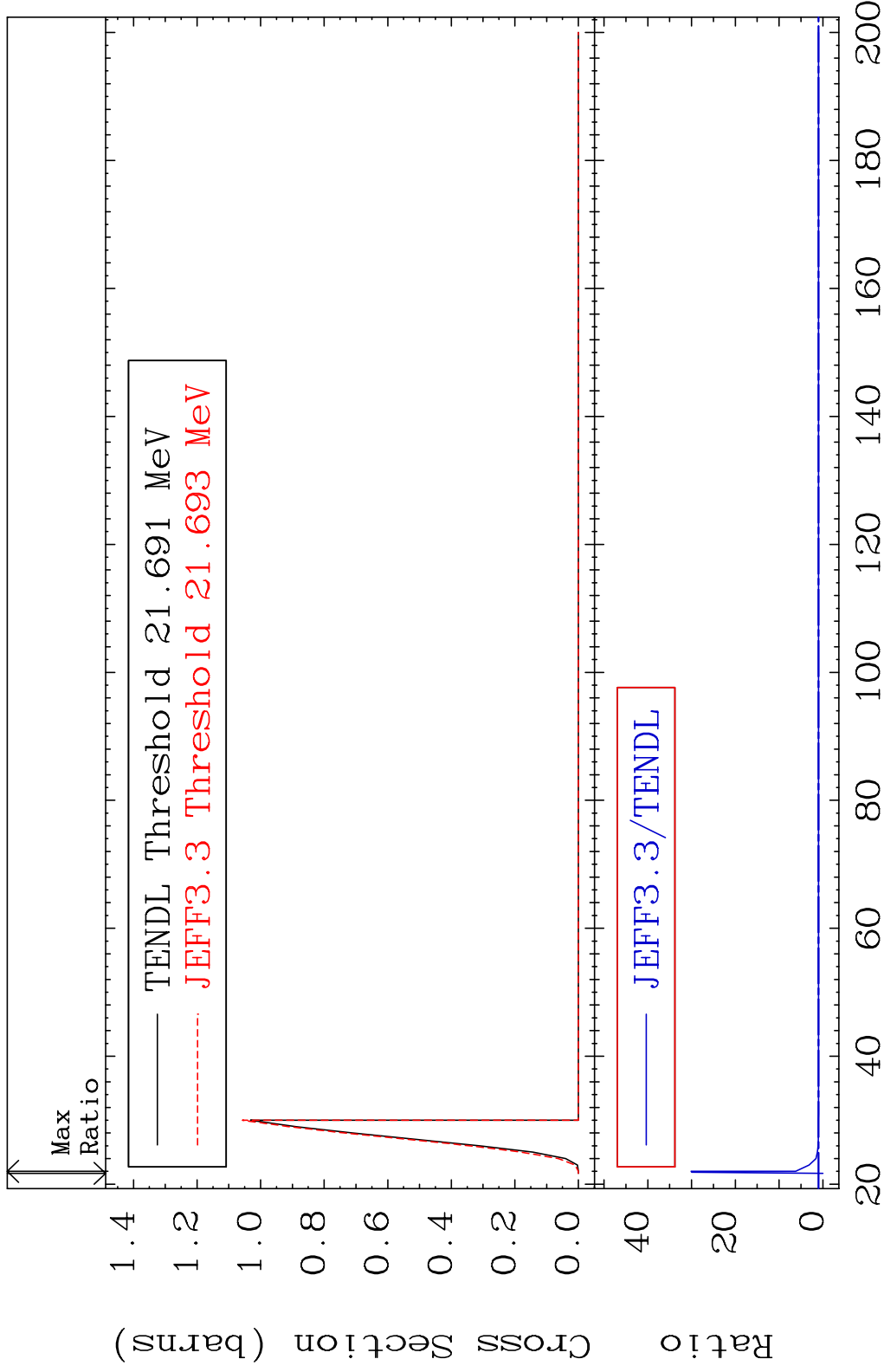


MAT 6840

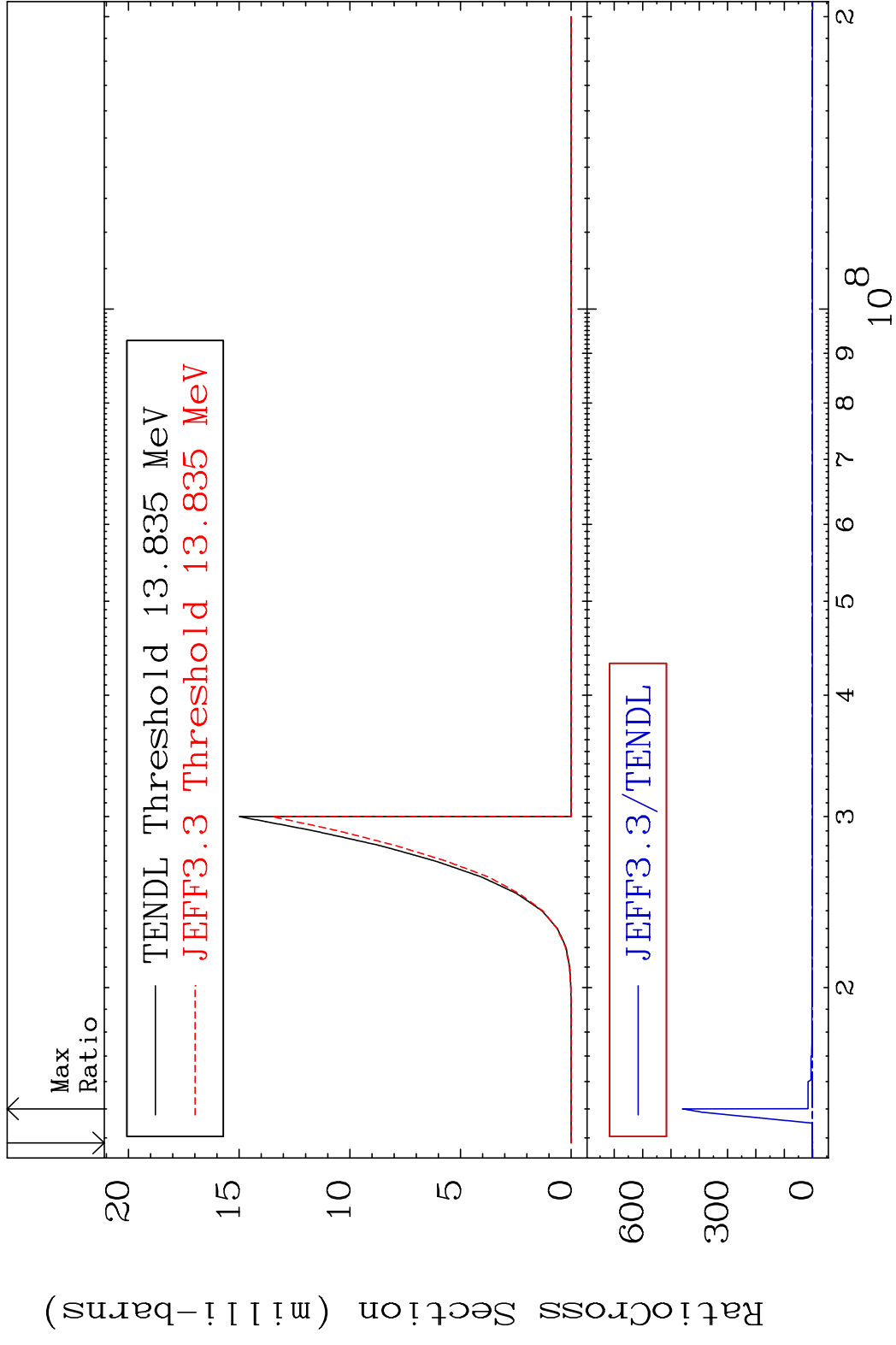
(n, 4n)

68-Er-167

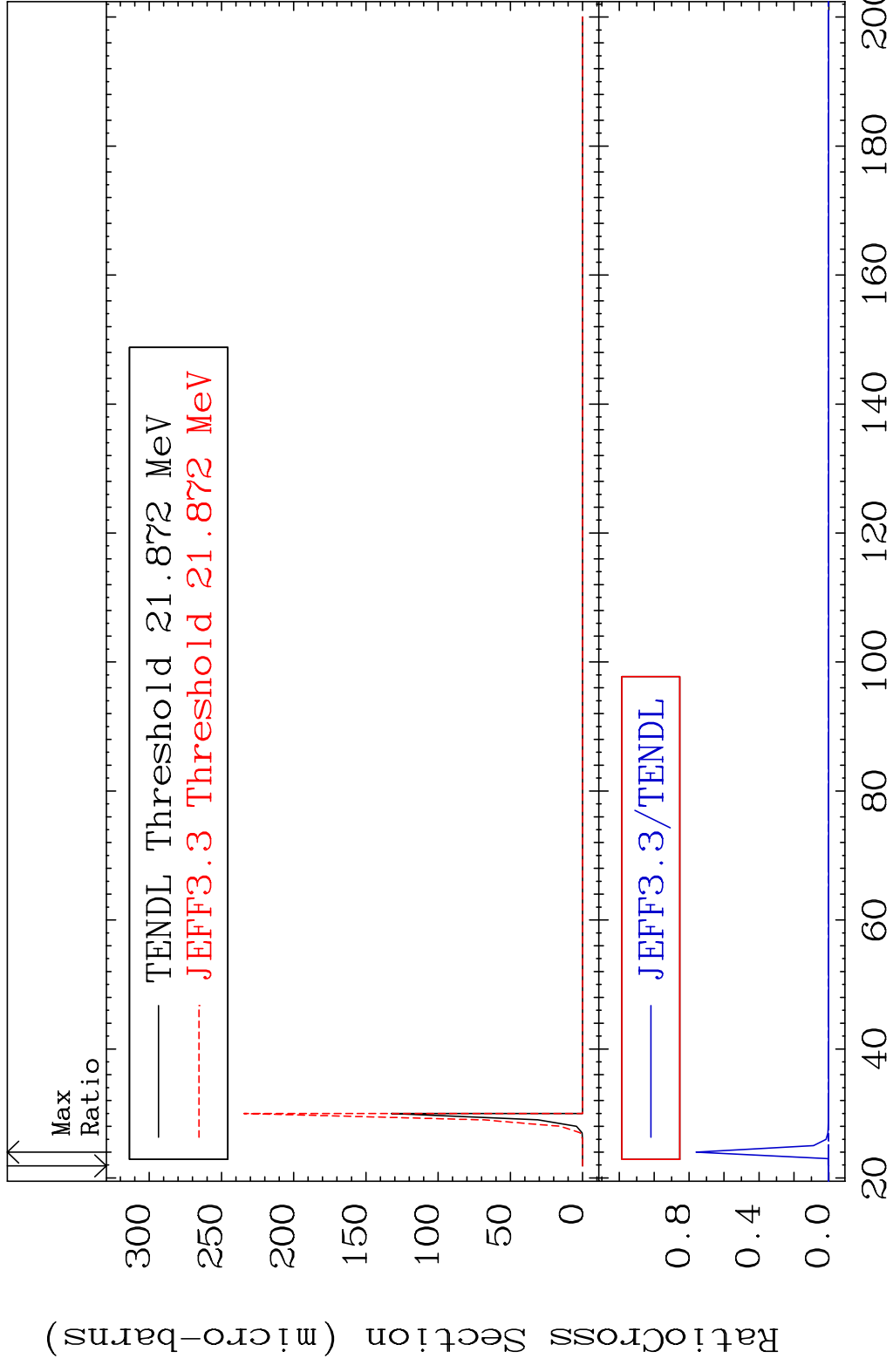
Cross Section -100.0 To 2913. %



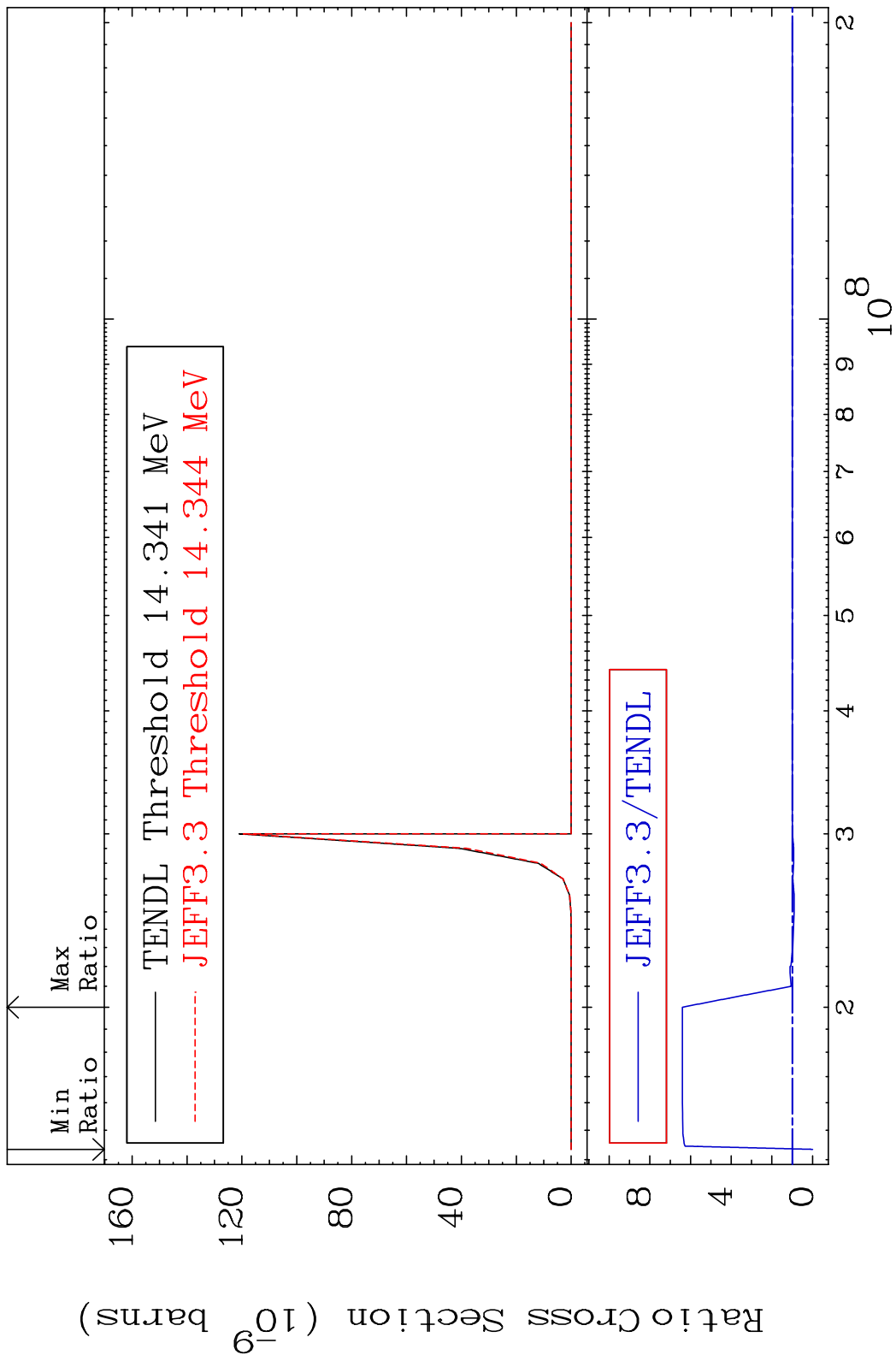
MAT 6840 (n,2n) p 68-Er-167  
 Cross Section -100.0 To 9999. %



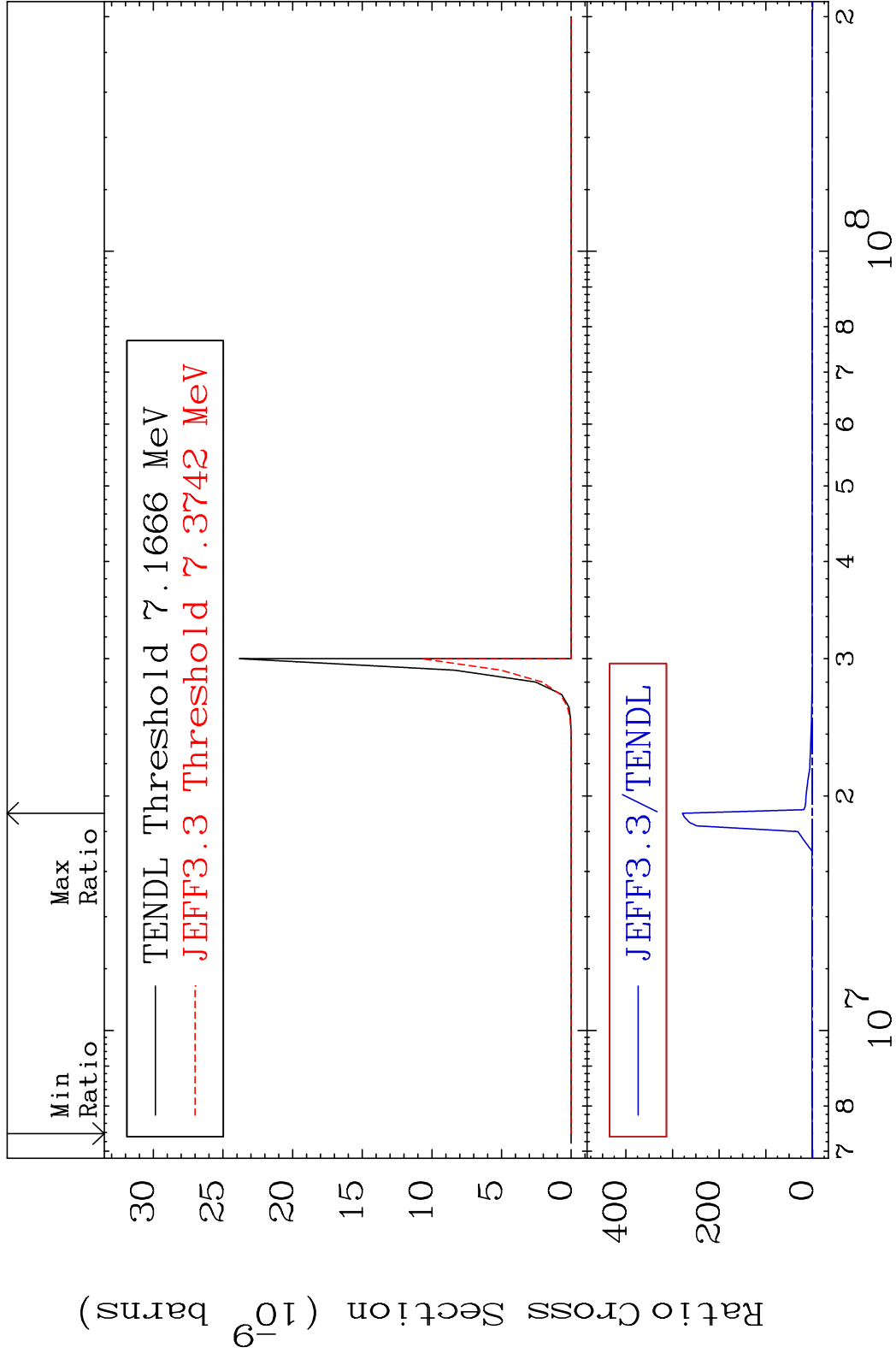
MAT 6840 (n,3n) p 68-Er-167  
 Cross Section -100.0 To 9999. %



MAT 6840 (n,2n) p 68-Er-167  
 Cross Section -100.0 To 540.3 %



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



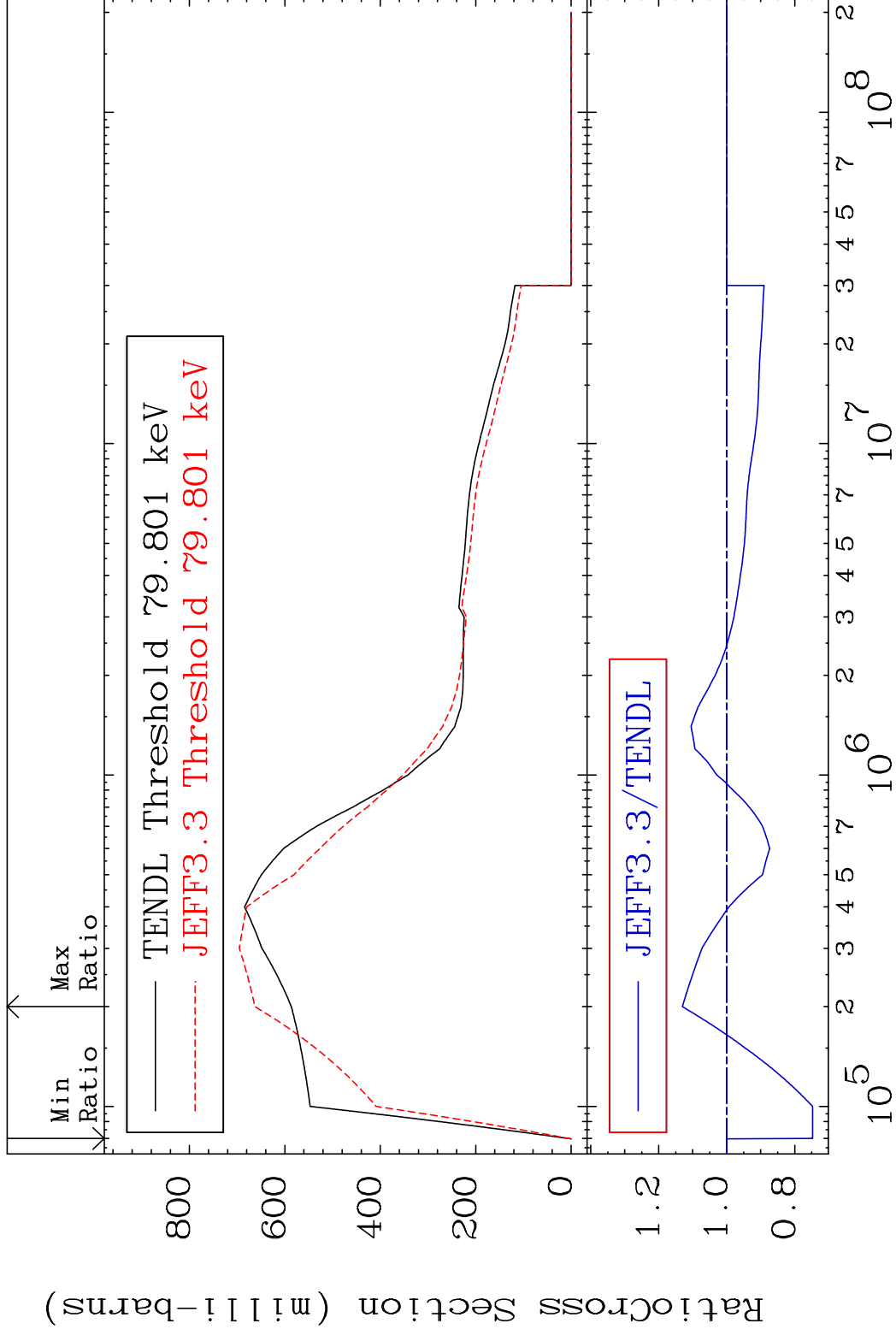
20 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 68-Er-167

MAT 6840

MT= 51 (n, n') Level

68-Er-167

Cross Section -25.25 To 13.05 %

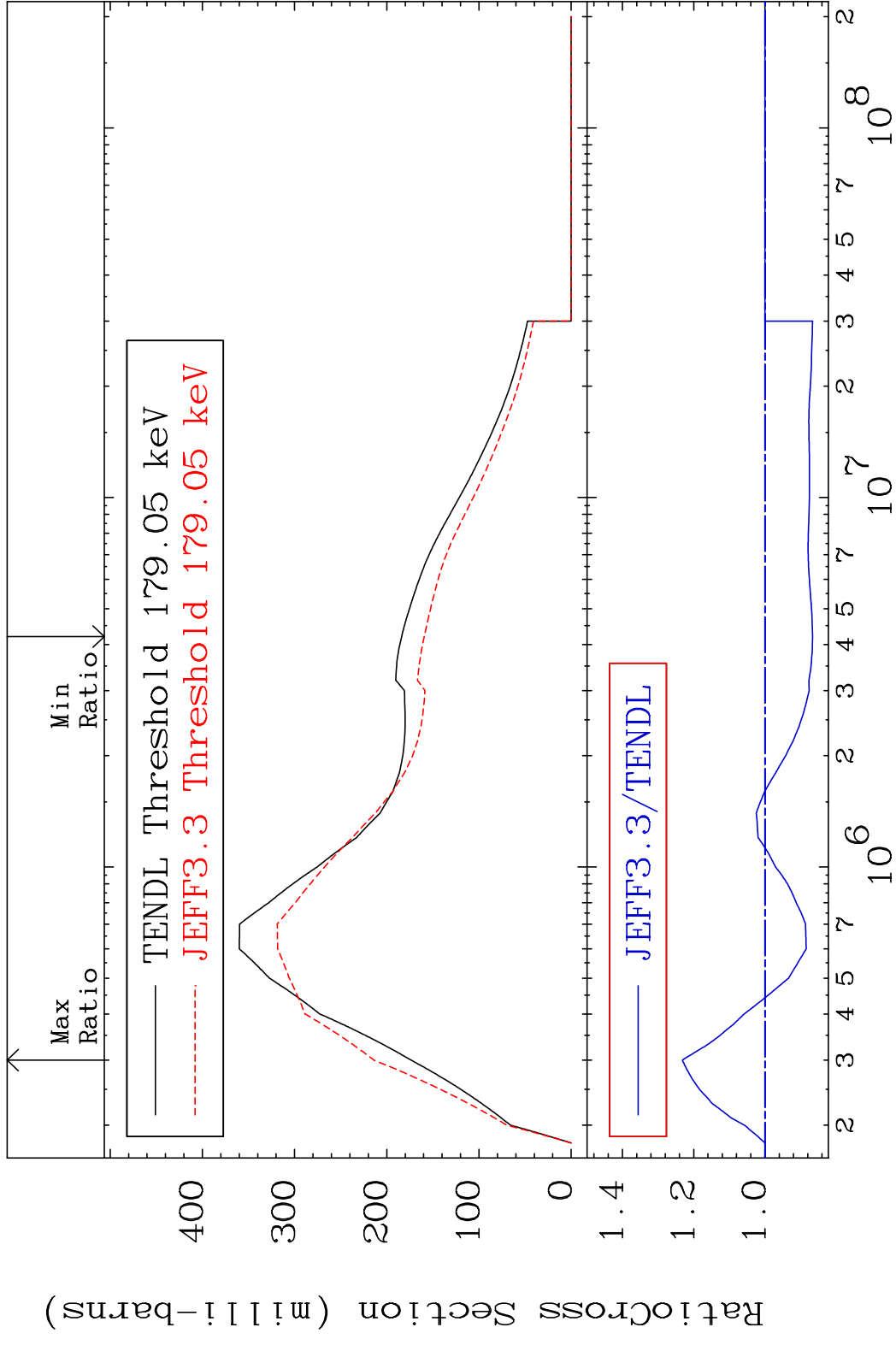


21

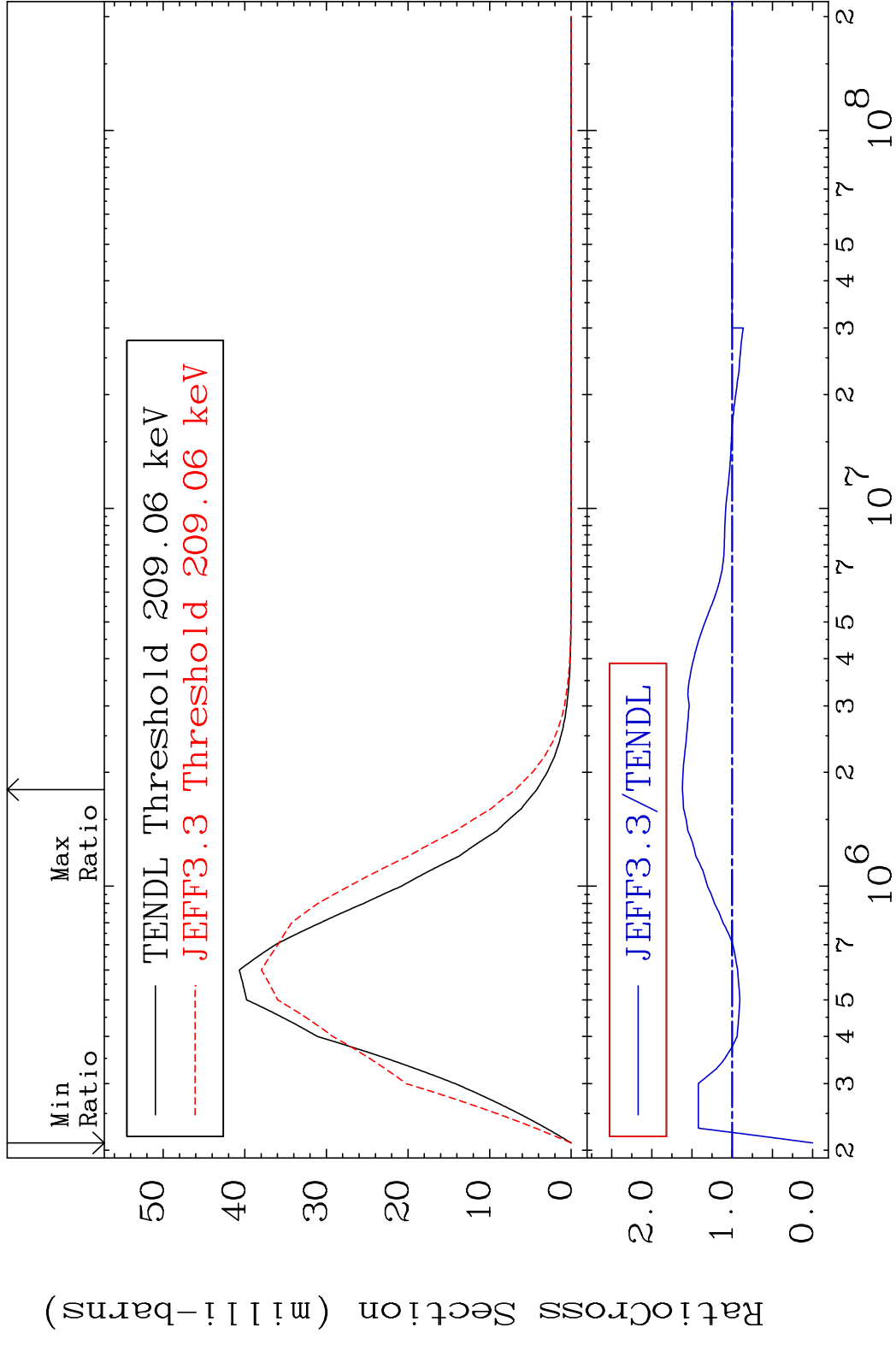
Incident Energy (eV)

68-Er-167

MAT 6840 MT= 52 (n, n') Level 68-Er-167  
 Cross Section -13.33 To 23.20 %

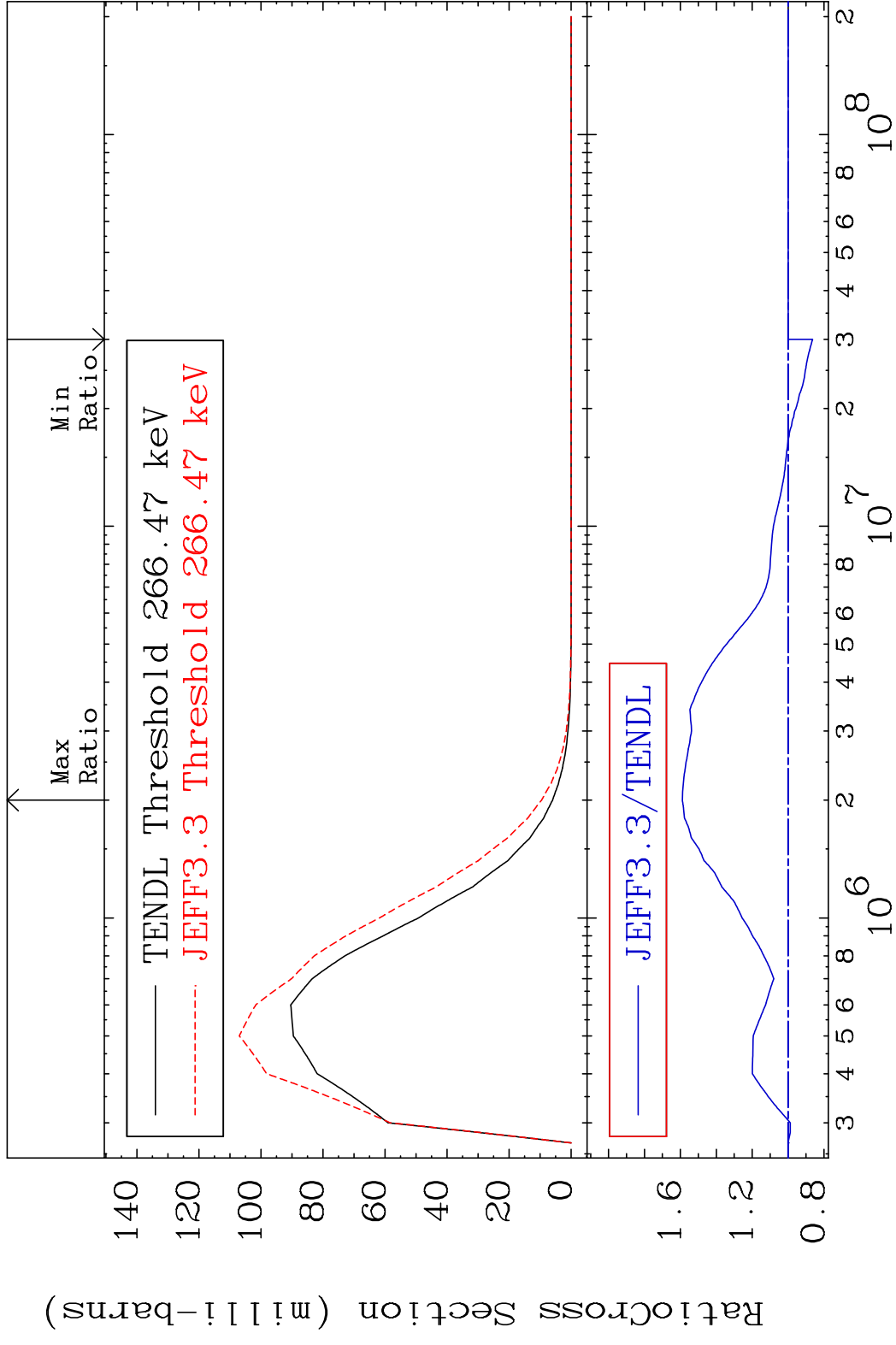


MAT 6840 MT= 53 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 62.06 %

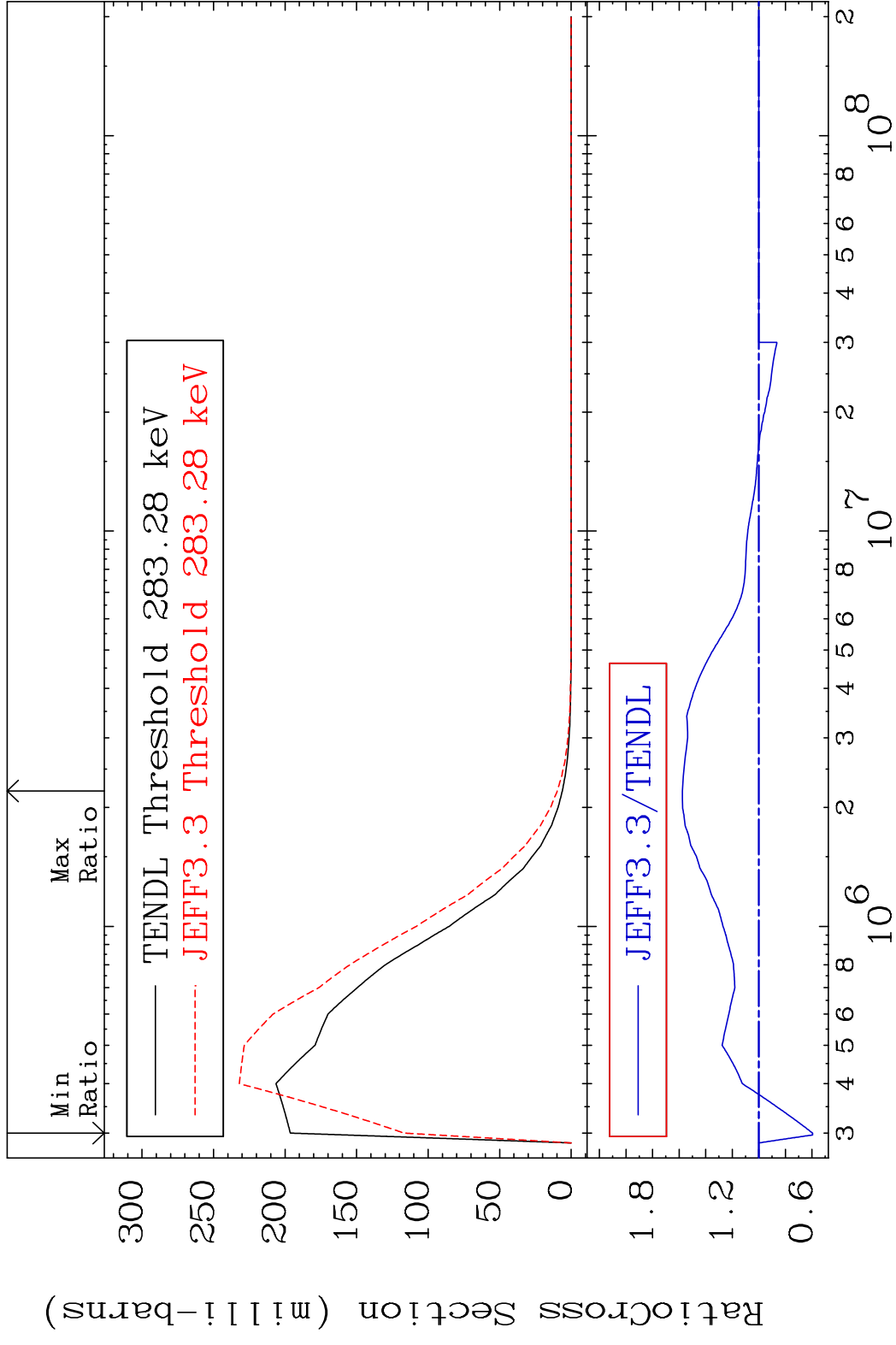




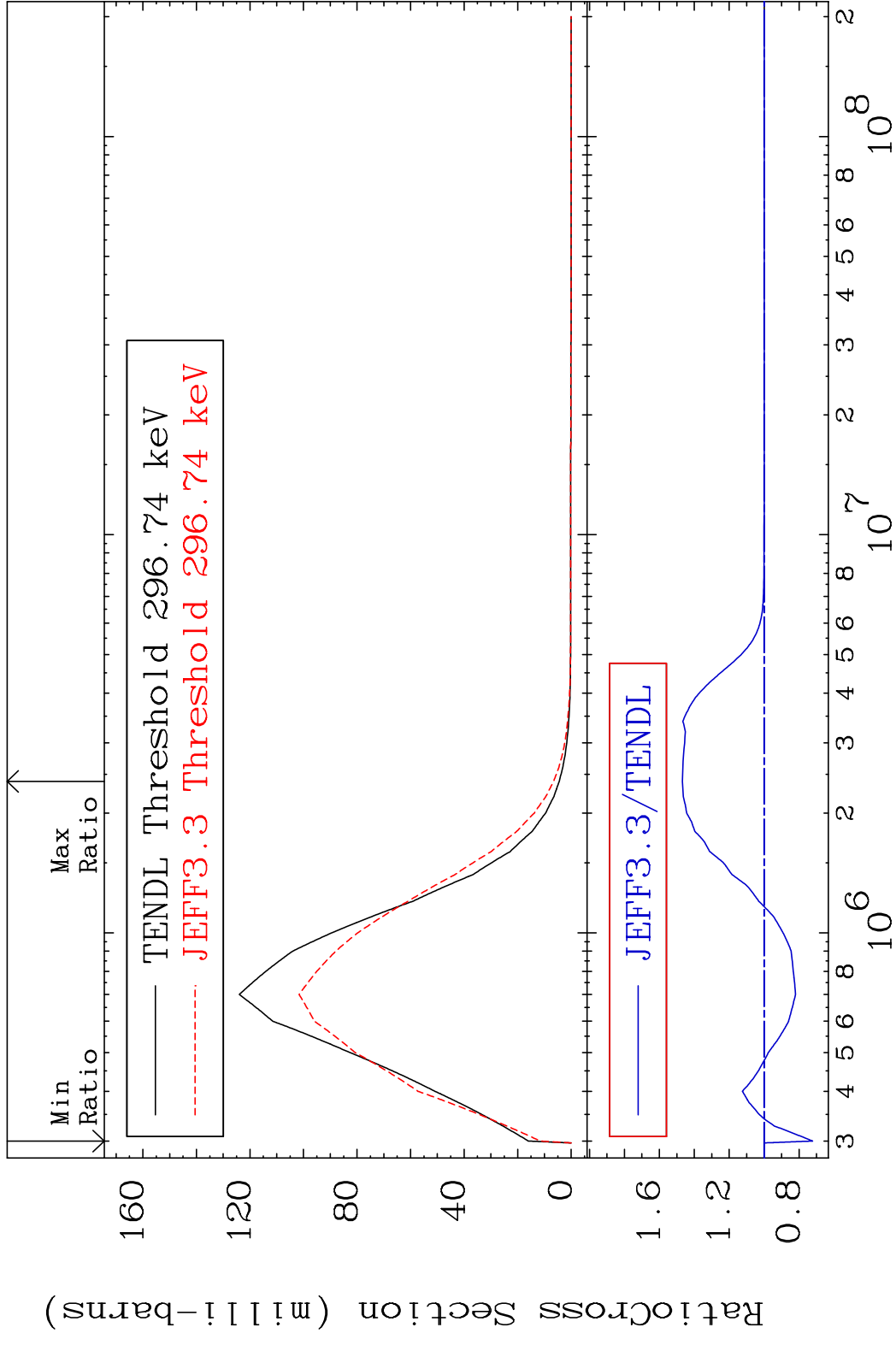
MAT 6840 MT= 54 (n, n') Level 68-Er-167  
 Cross Section -13.63 To 58.90 %



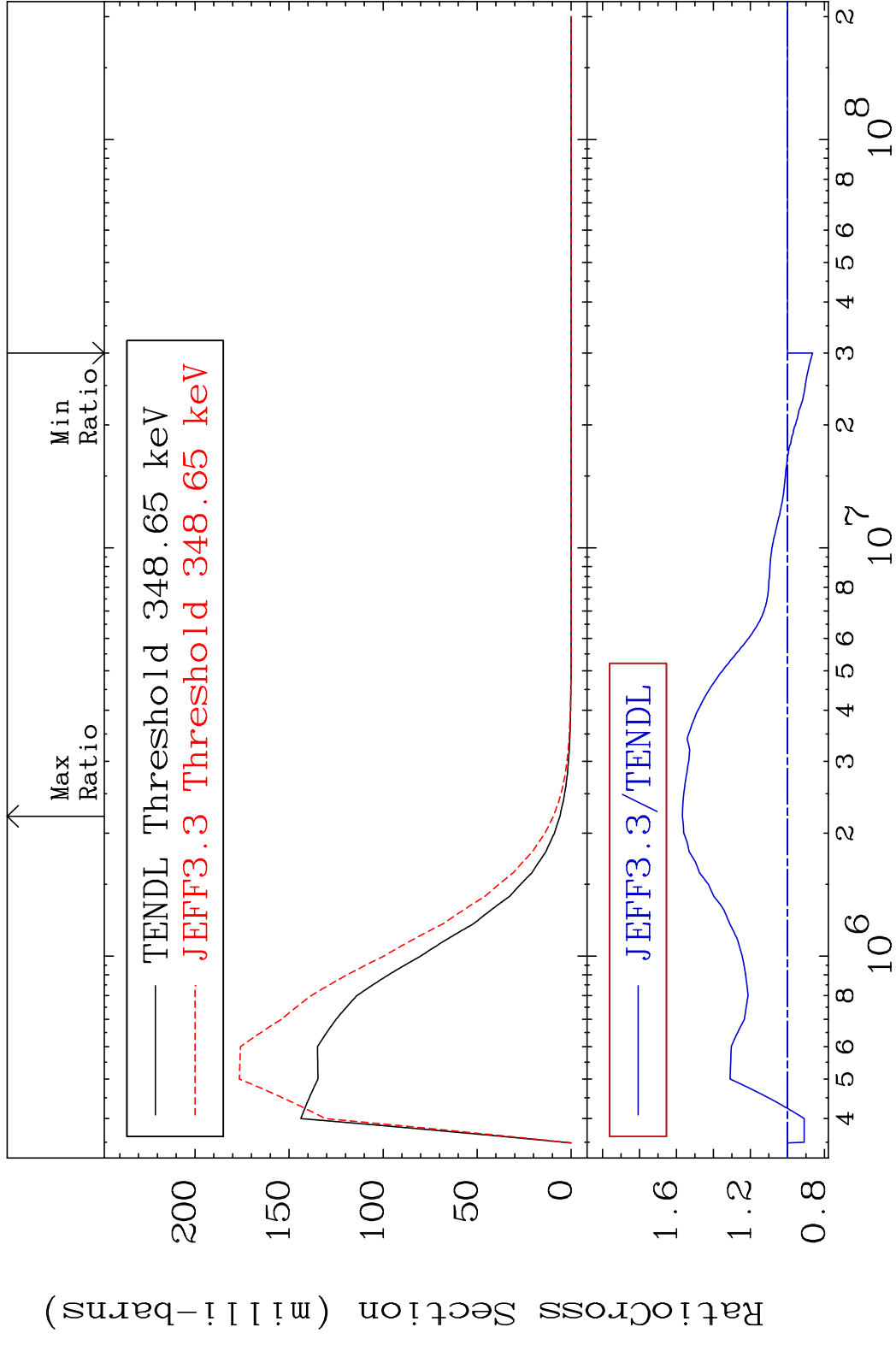
MAT 6840 MT= 55 (n, n') Level 68-Er-167  
 Cross Section -40.46 To 57.56 %



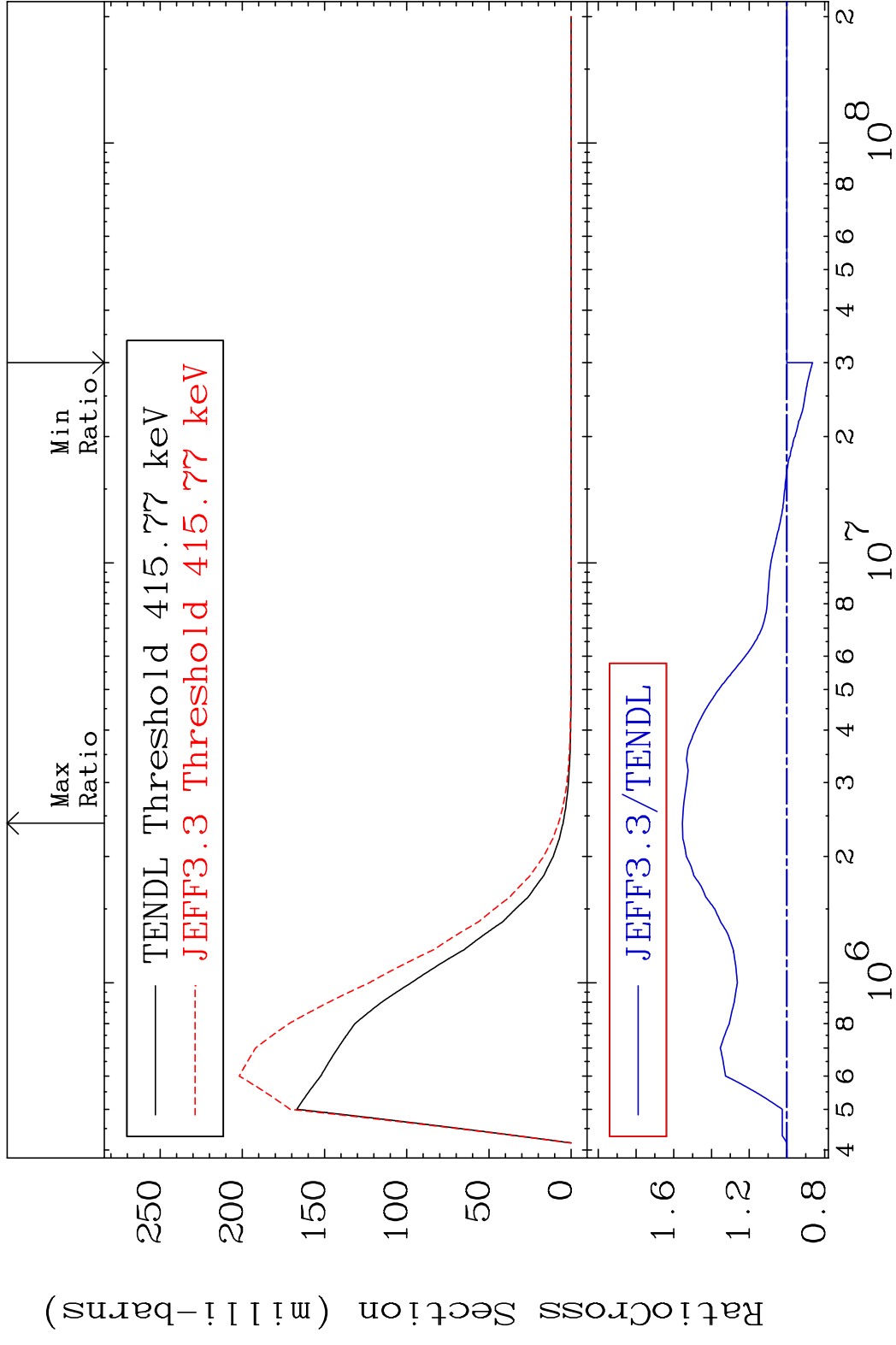
MAT 6840 MT= 56 (n,n') Level 68-Er-167  
 Cross Section -27.72 To 46.83 %



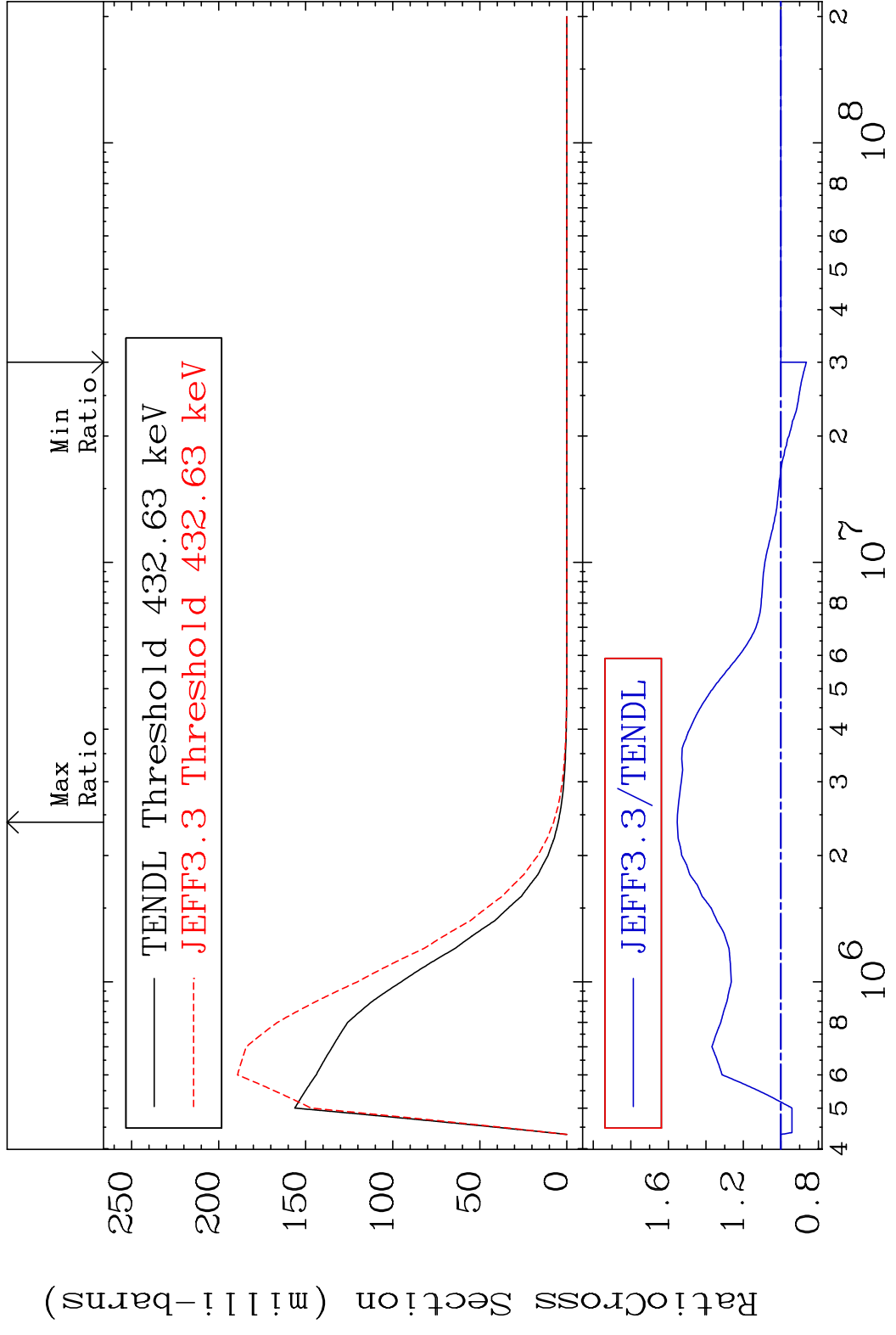
MAT 6840 MT= 57 (n, n') Level 68-Er-167  
 Cross Section -13.61 To 56.85 %



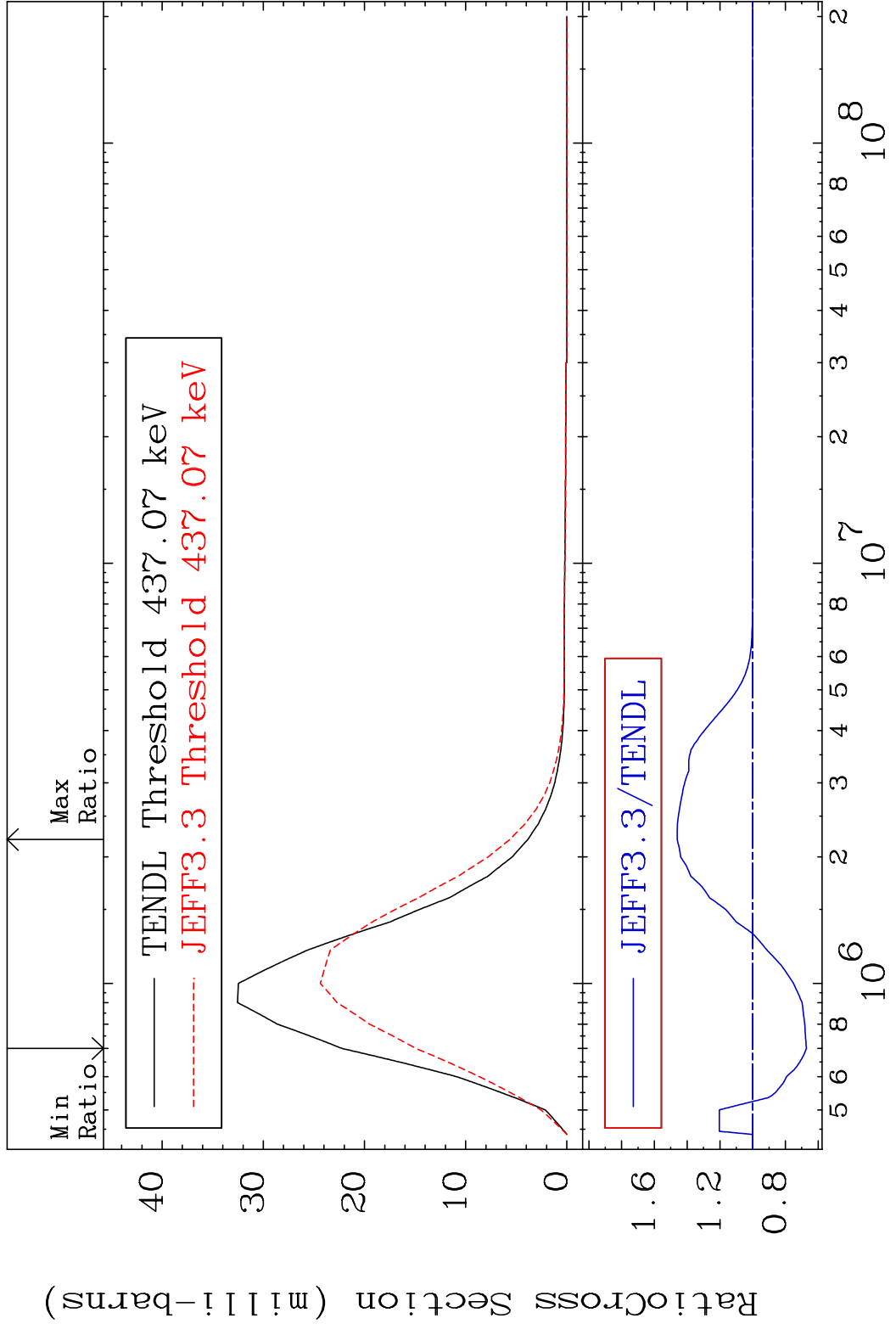
MAT 6840 MT= 58 (n, n') Level 68-Er-167  
 Cross Section -13.60 To 55.44 %



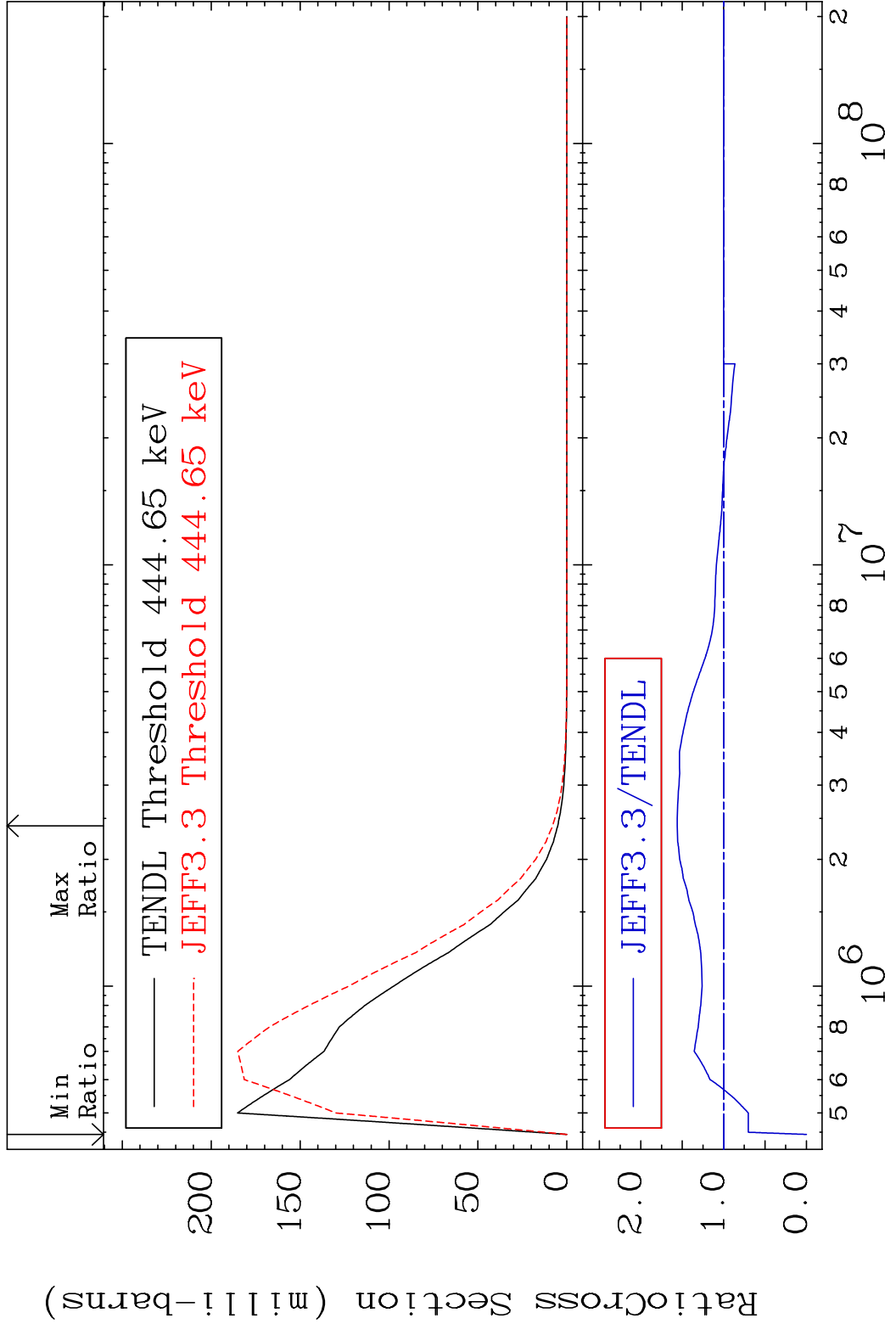
MAT 6840 MT= 59 (n, n') Level 68-Er-167  
 Cross Section -13.59 To 55.31 %



MAT 6840 MT= 60 (n, n') Level 68-Er-167  
 Cross Section -32.84 To 46.08 %

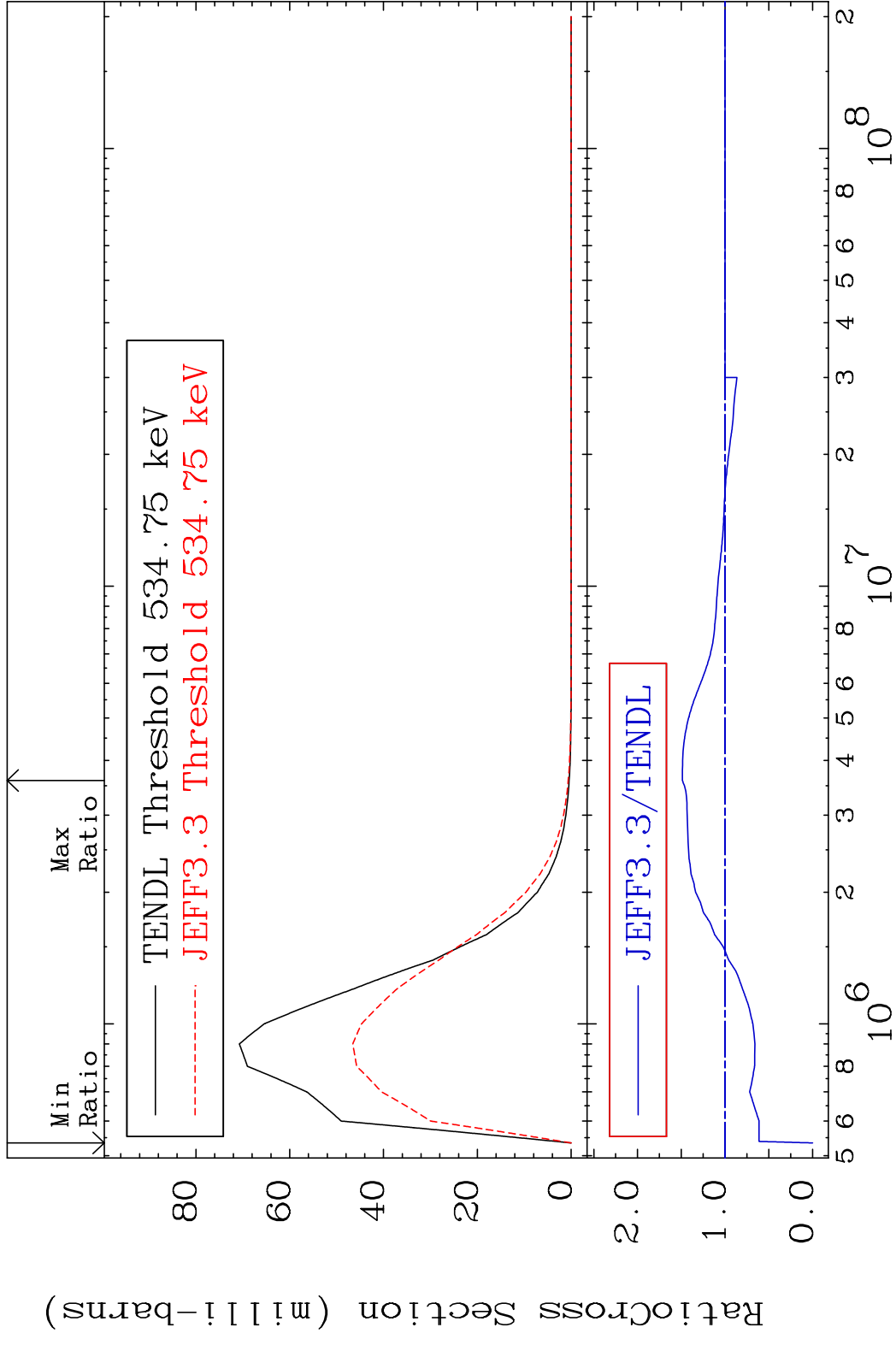


MAT 6840 MT= 61 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 56.08 %

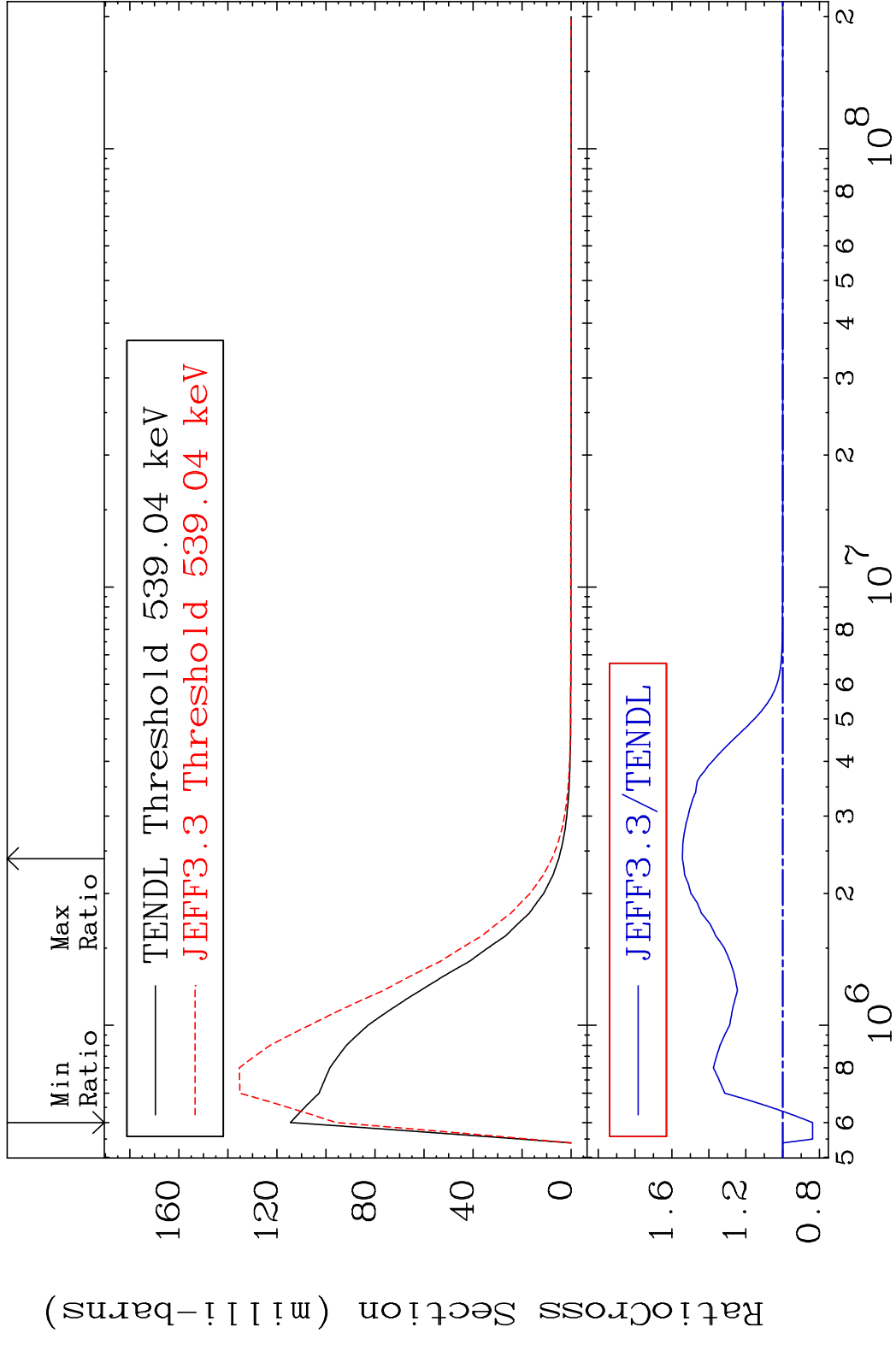




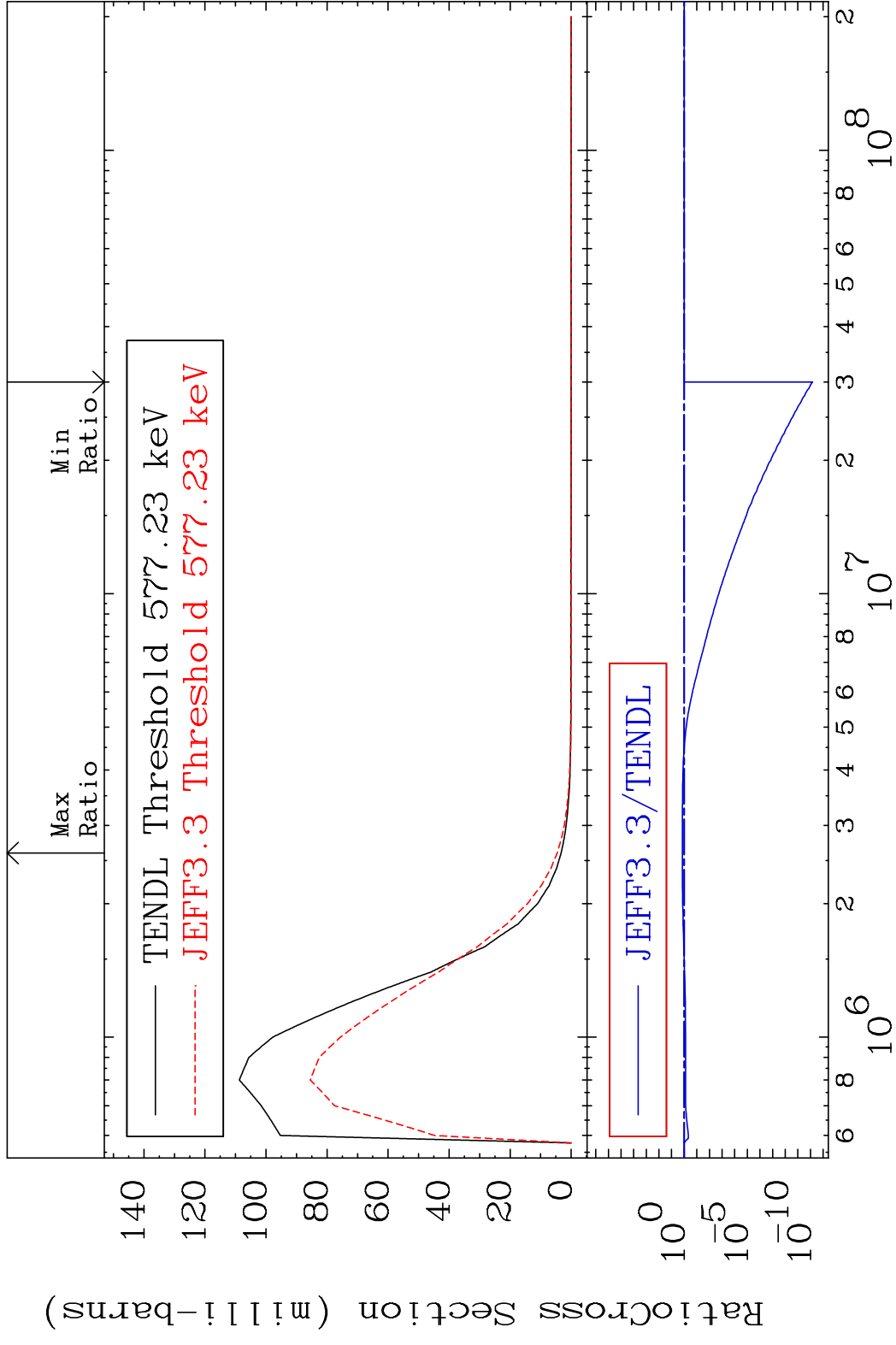
MAT 6840 MT= 62 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 48.79 %



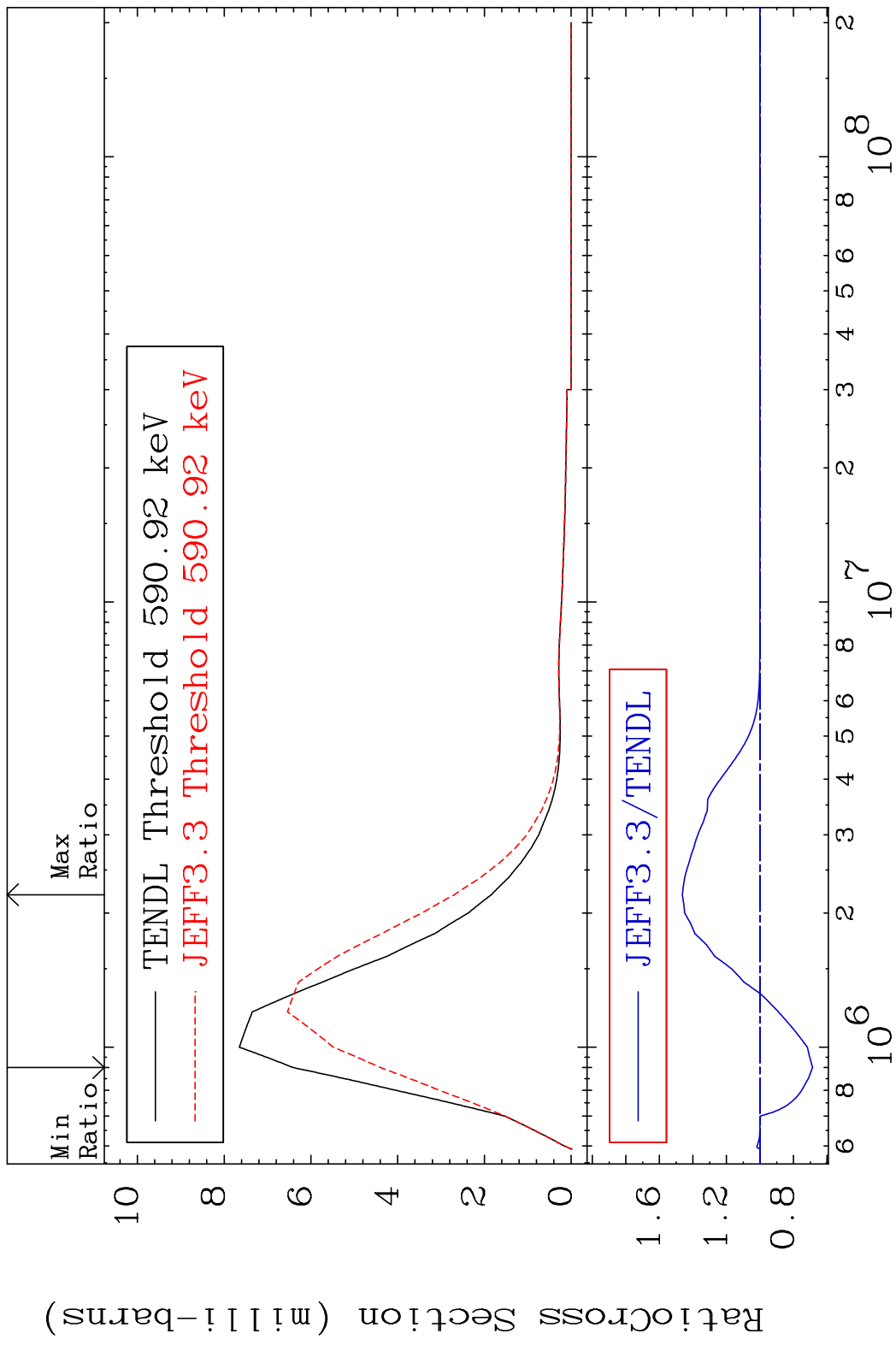
MAT 6840 MT= 63 (n, n') Level 68-Er-167  
 Cross Section -16.20 To 54.37 %



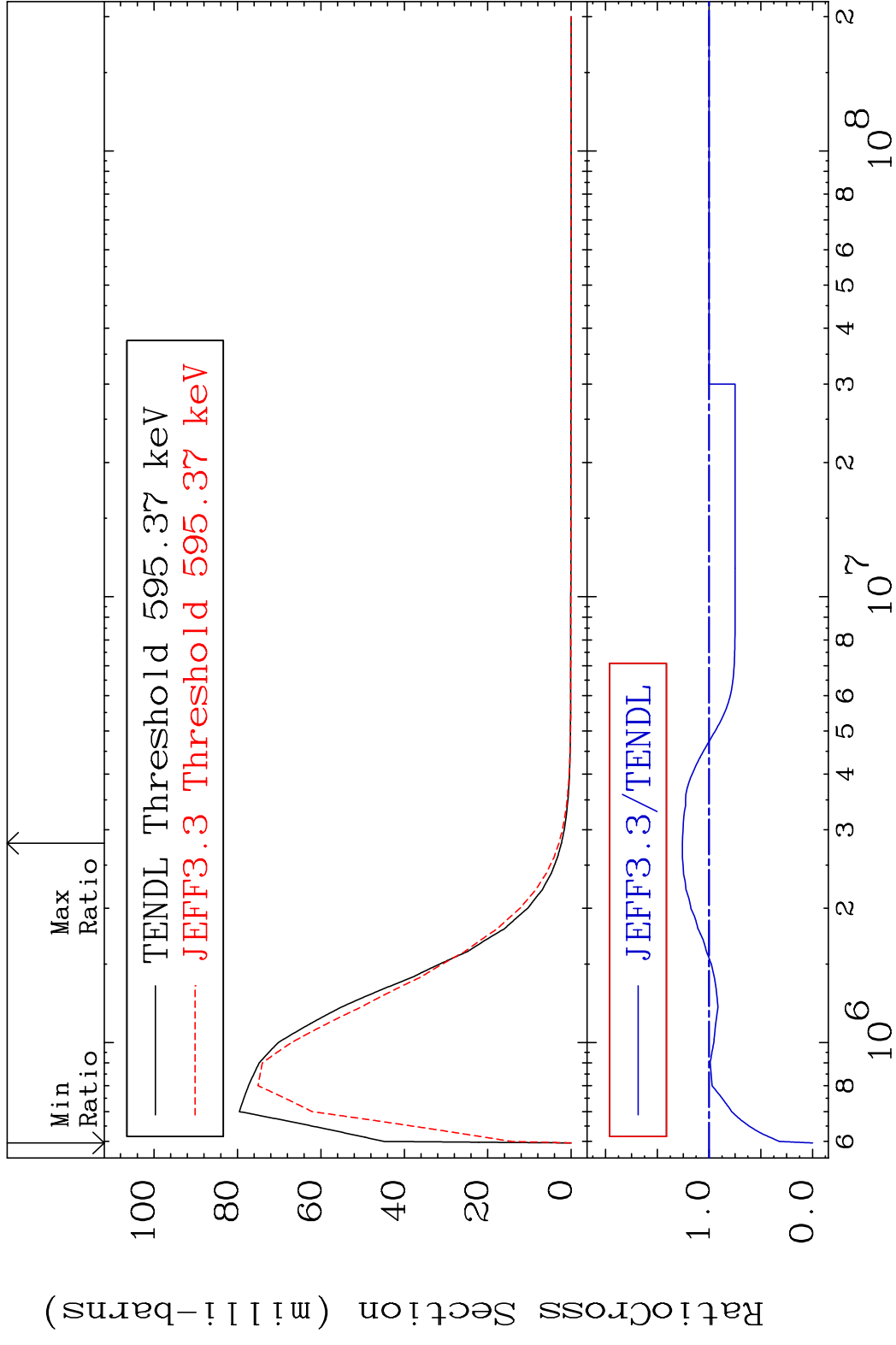
MAT 6840 MT= 64 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 39.34 %



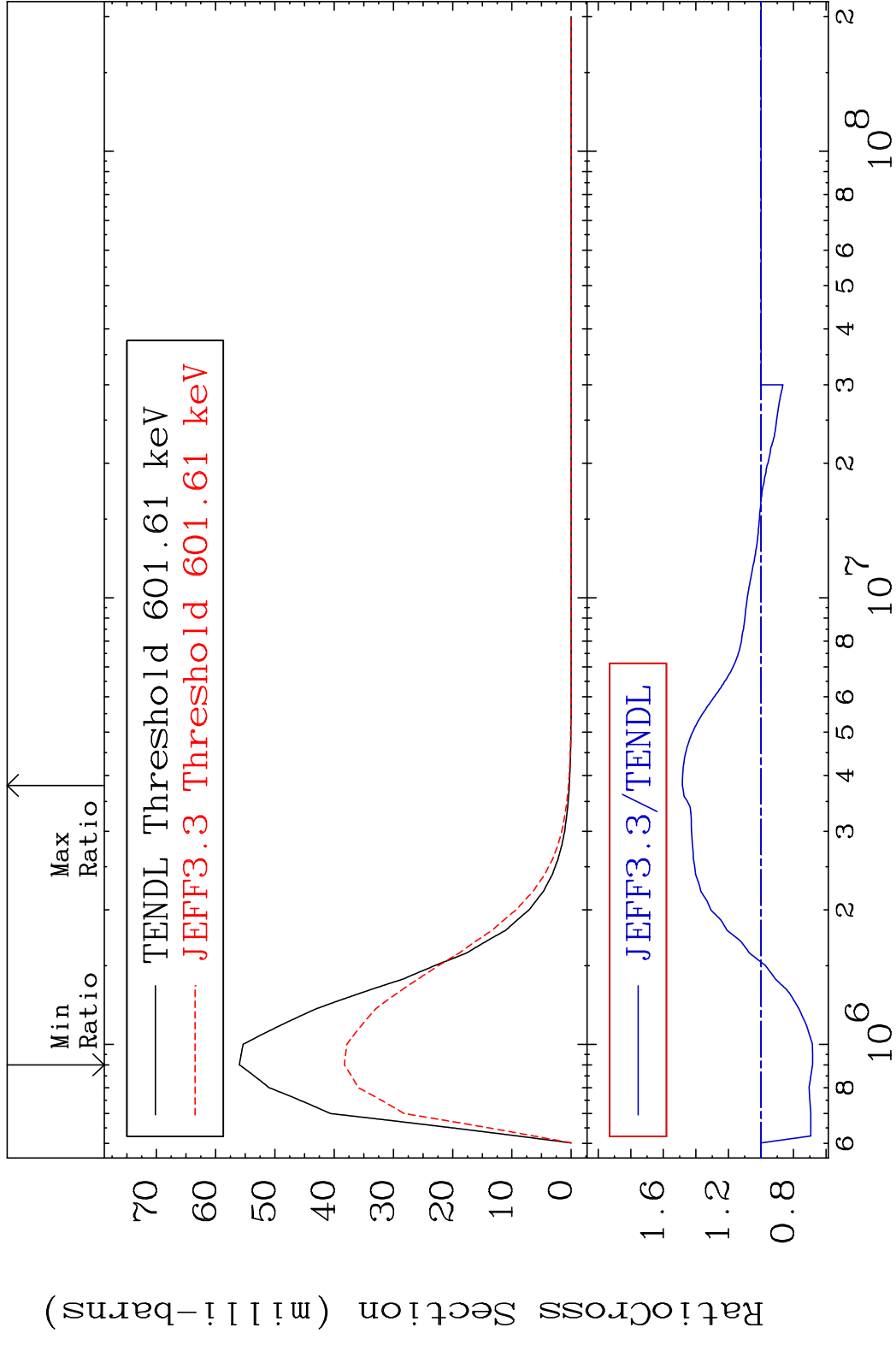
MAT 6840 MT= 65 (n,n') Level 68-Er-167  
 Cross Section -31.38 To 46.31 %



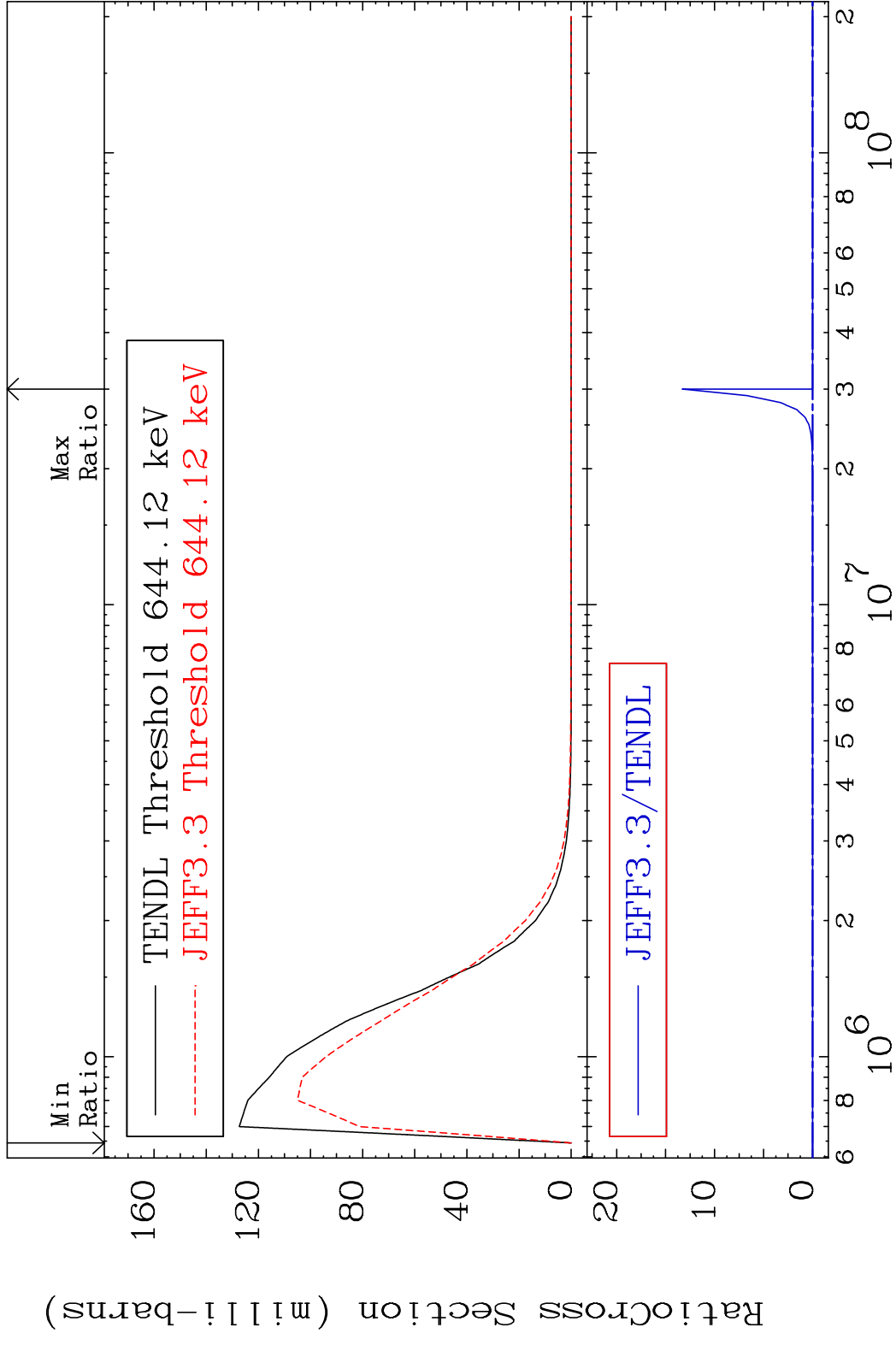
MAT 6840 MT= 66 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 25.85 %



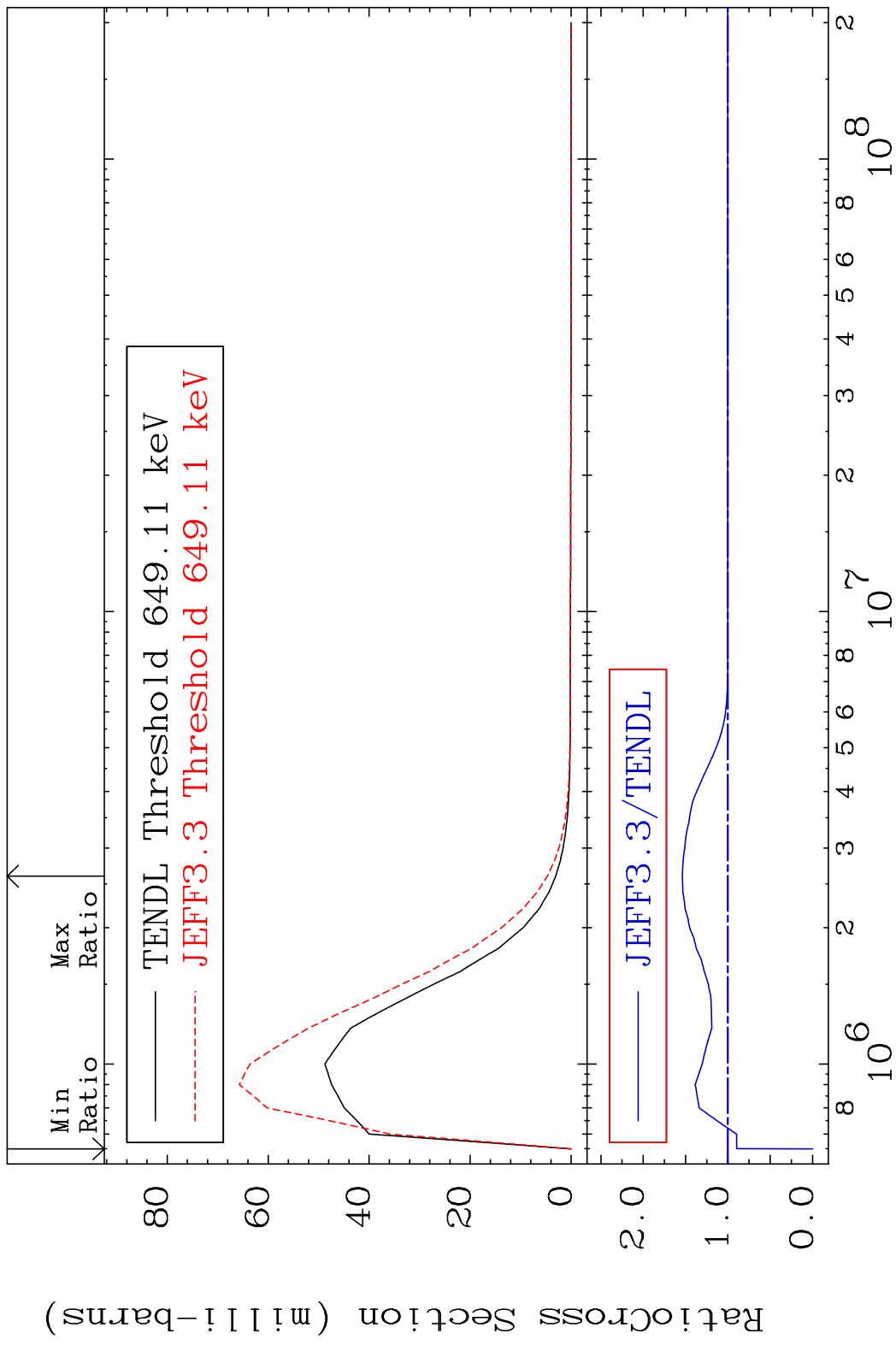
MAT 6840 MT= 67 (n, n') Level 68-Er-167  
 Cross Section -31.67 To 48.31 %



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

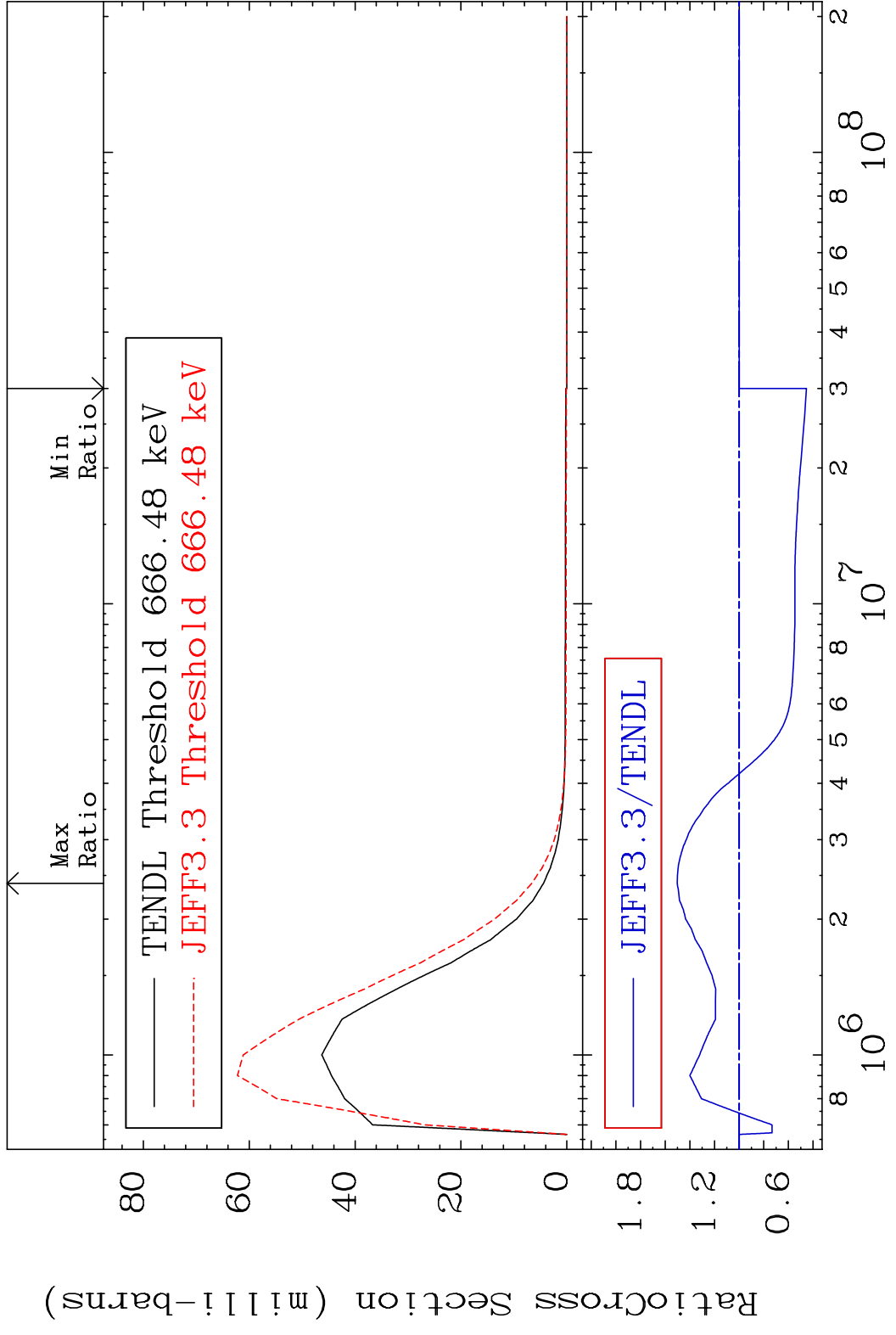


MAT 6840 MT= 69 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 53.77 %



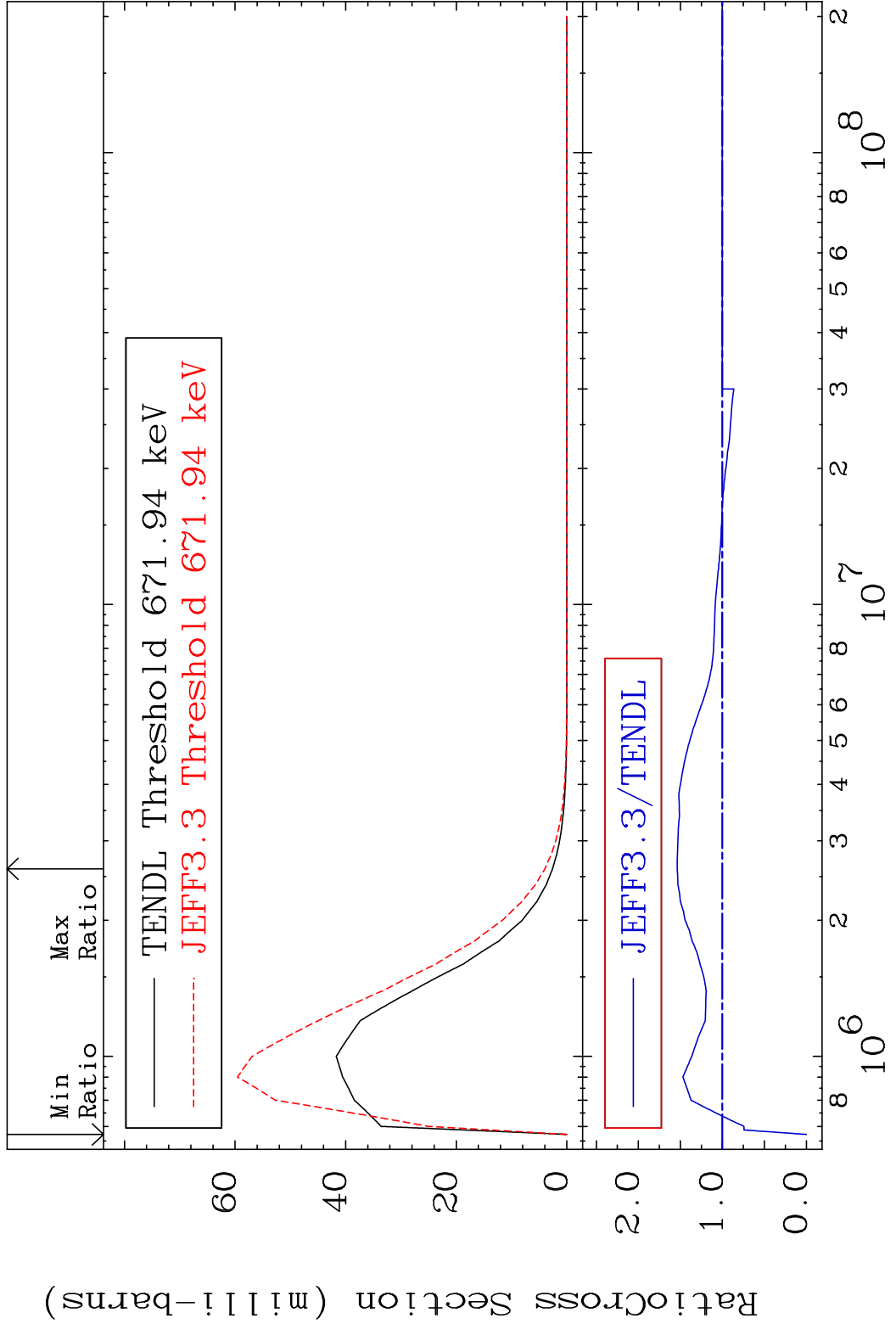


MAT 6840 MT= 70 (n, n') Level 68-Er-167  
 Cross Section -54.57 To 50.24 %

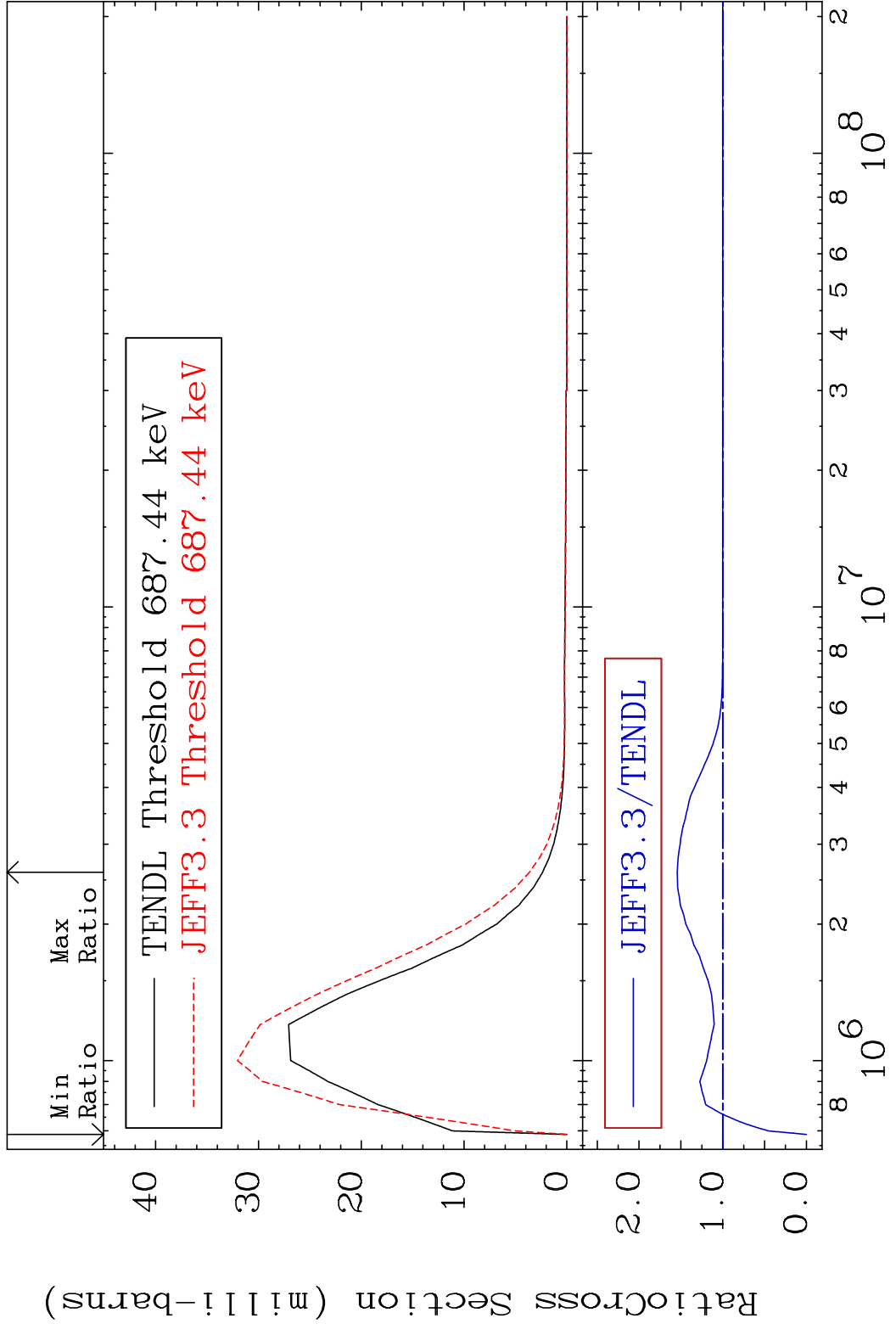


40 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 71 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 53.77 %

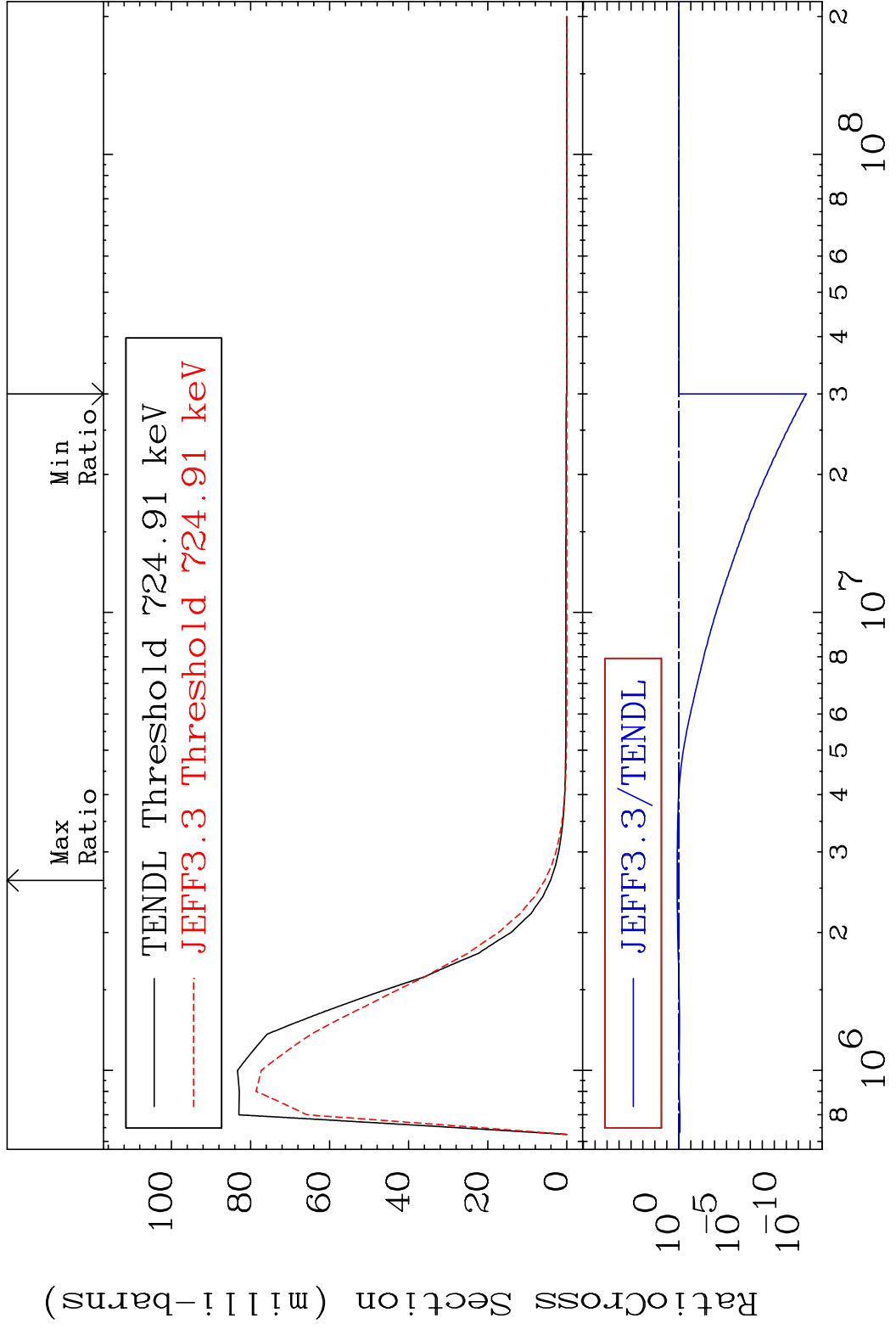


MAT 6840 MT= 72 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 54.44 %



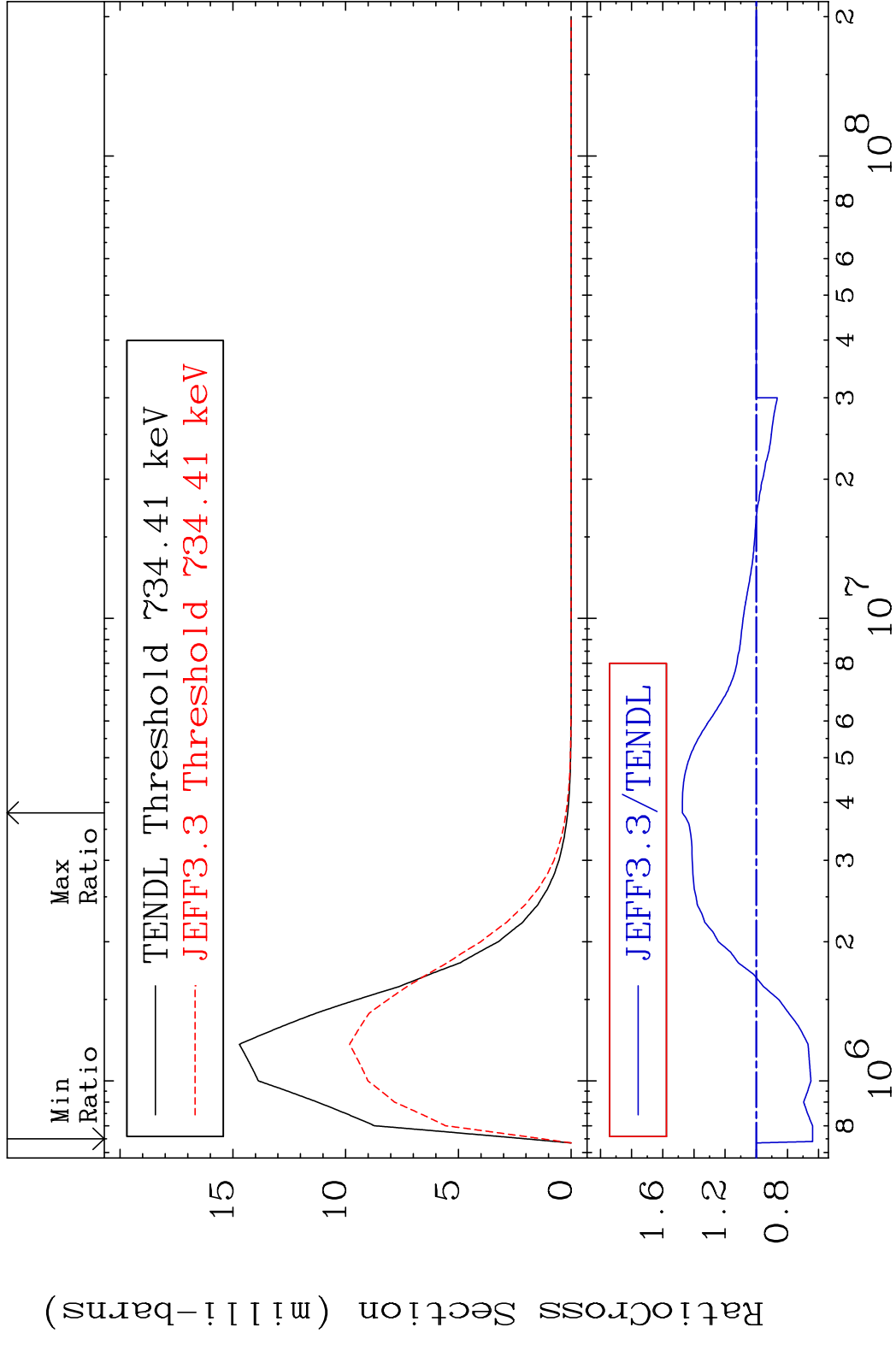


MAT 6840 MT= 74 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 35.53 %



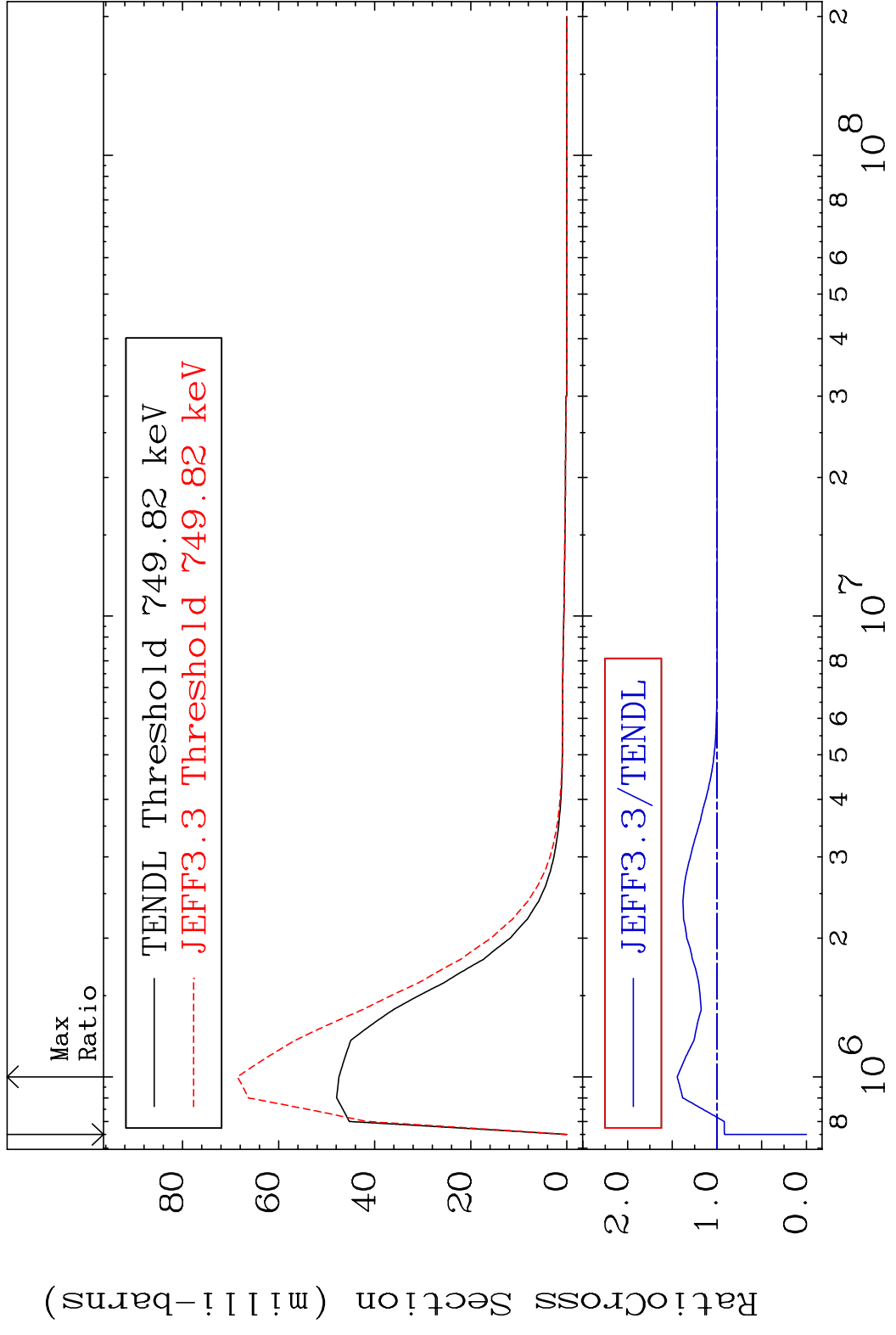
44 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 75 (n,n') Level 68-Er-167  
 Cross Section -36.11 To 47.44 %

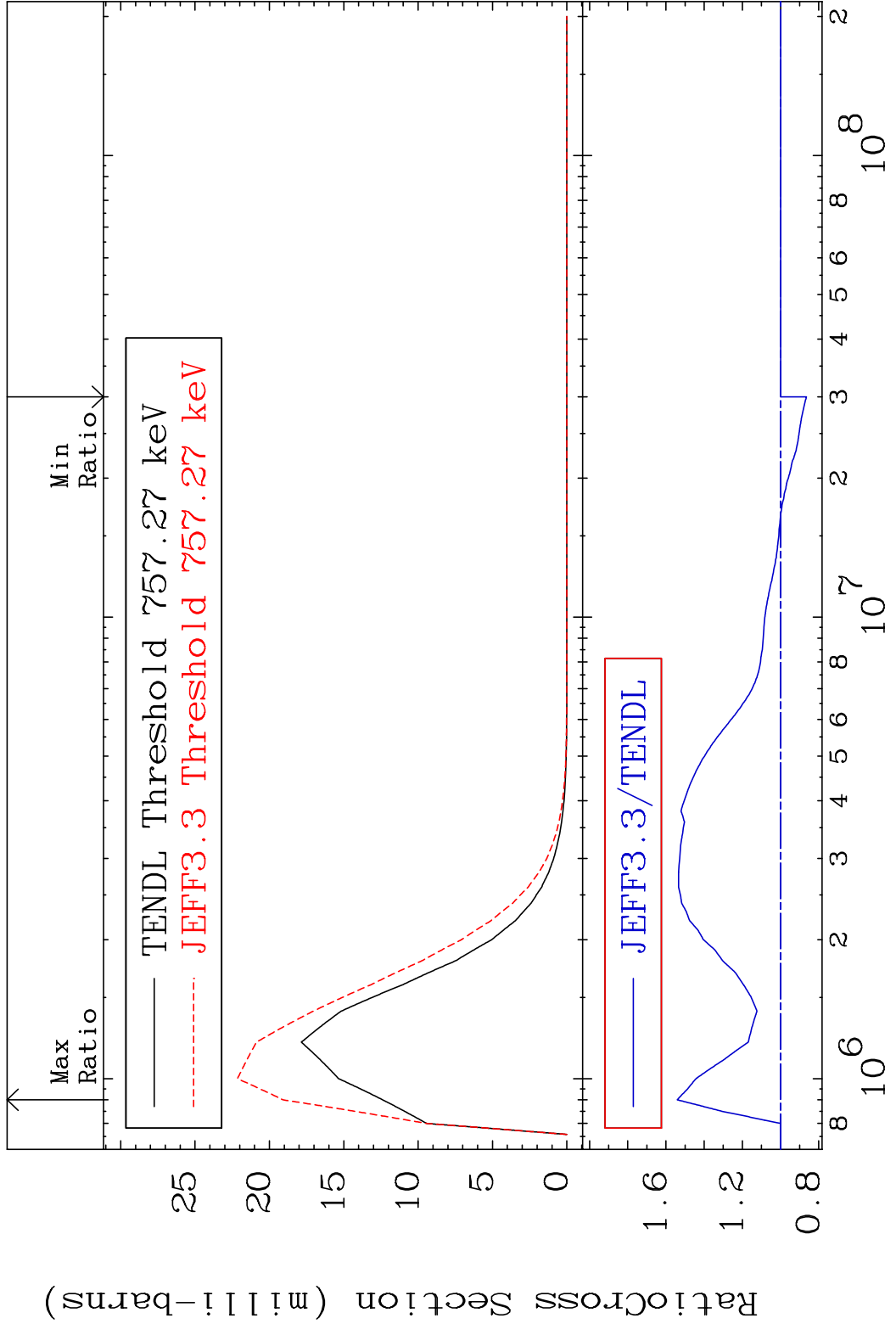


45 Incident Energy (eV) 68-Er-167

MAT 6840 MT= 76 (n, n') Level 68-Er-167  
 Cross Section -100.0 To 44.52 %



MAT 6840 MT= 77 (n,n') Level 68-Er-167  
 Cross Section -13.54 To 54.11 %



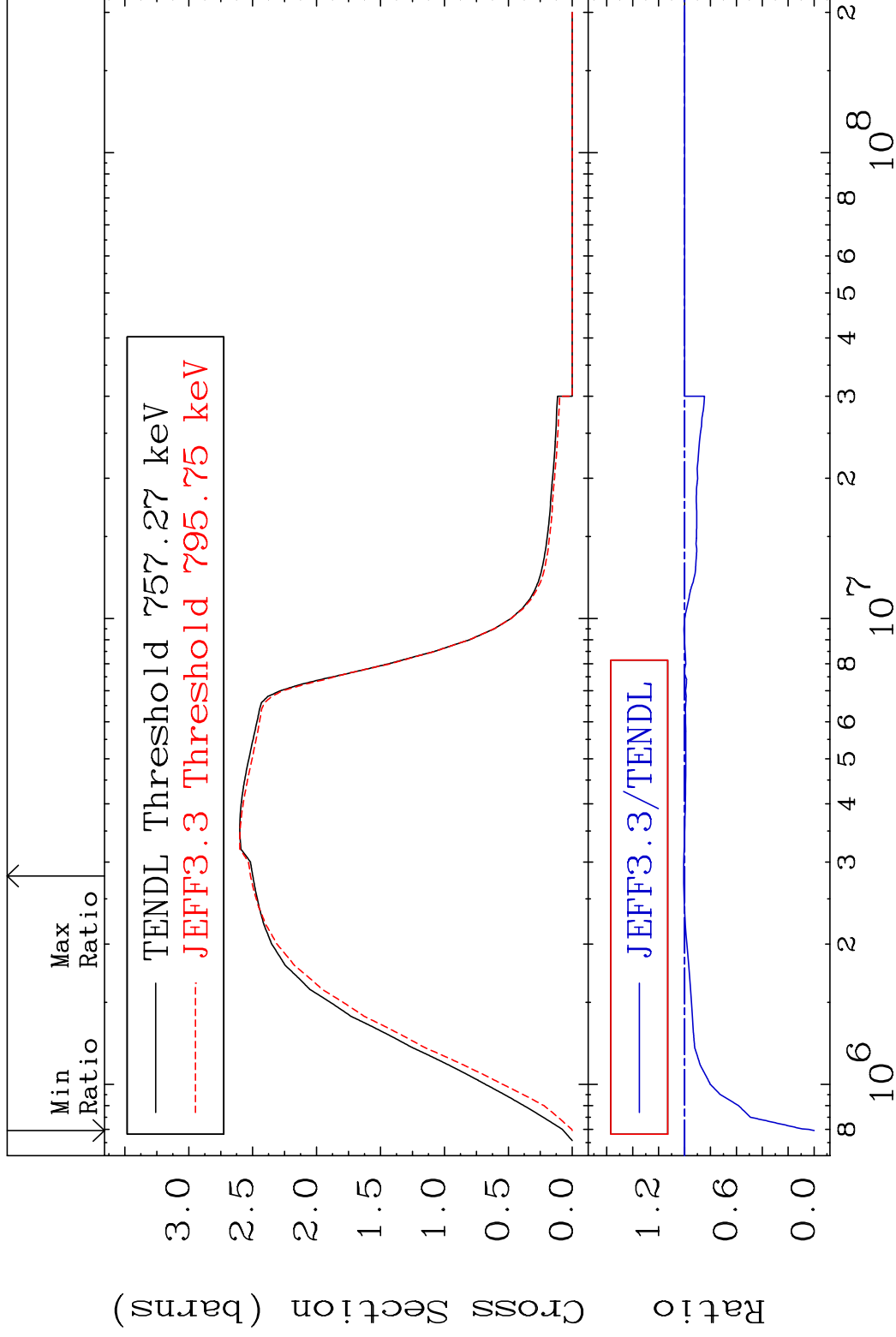


MAT 6840

(n, n') Continuum

68-Er-167

Cross Section -100.0 To 0.674 %



48

Incident Energy (eV)

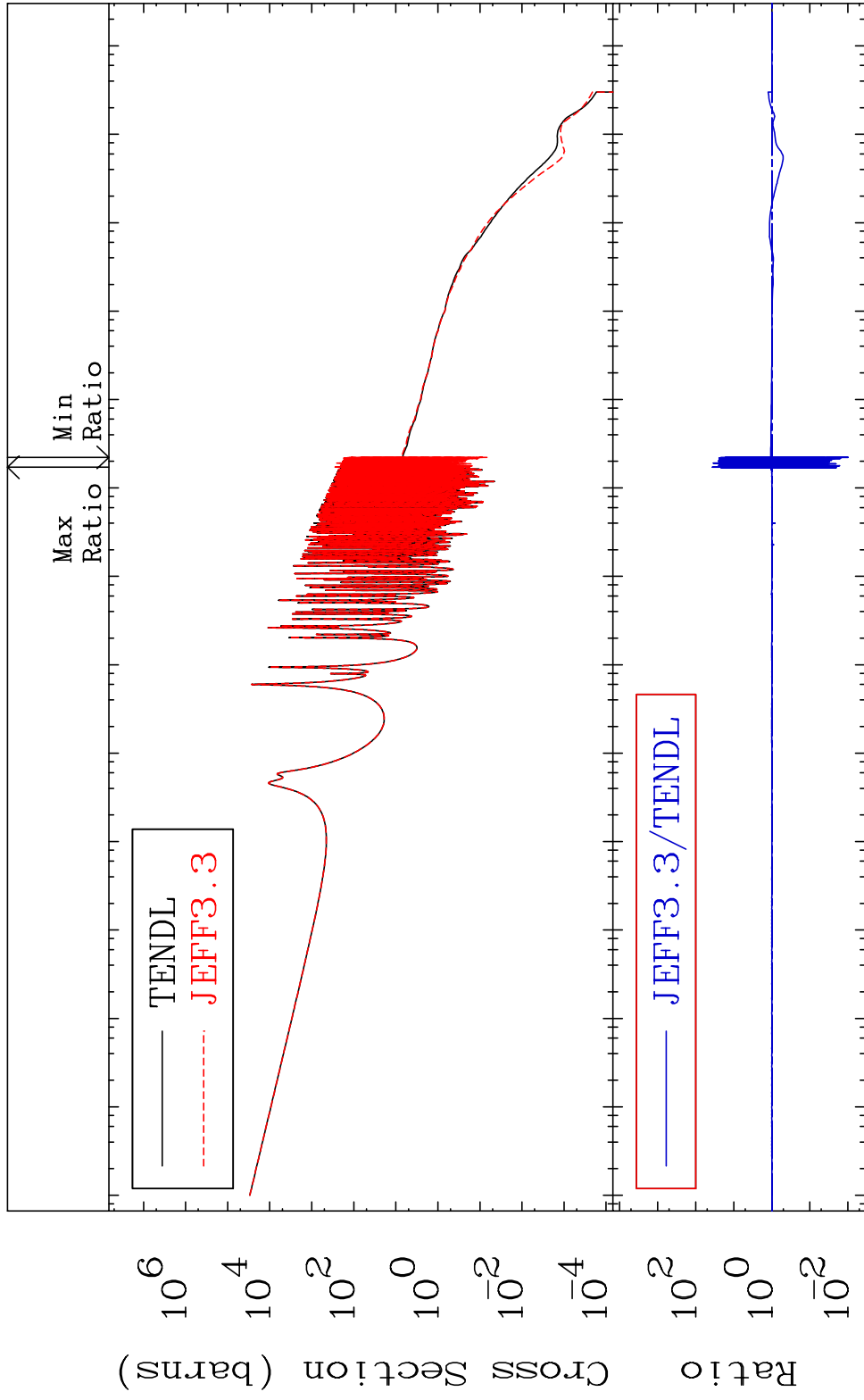
68-Er-167

MAT 6840

(n,  $\gamma$ )

68-Er-167

Cross Section -99.02 To 3553. %

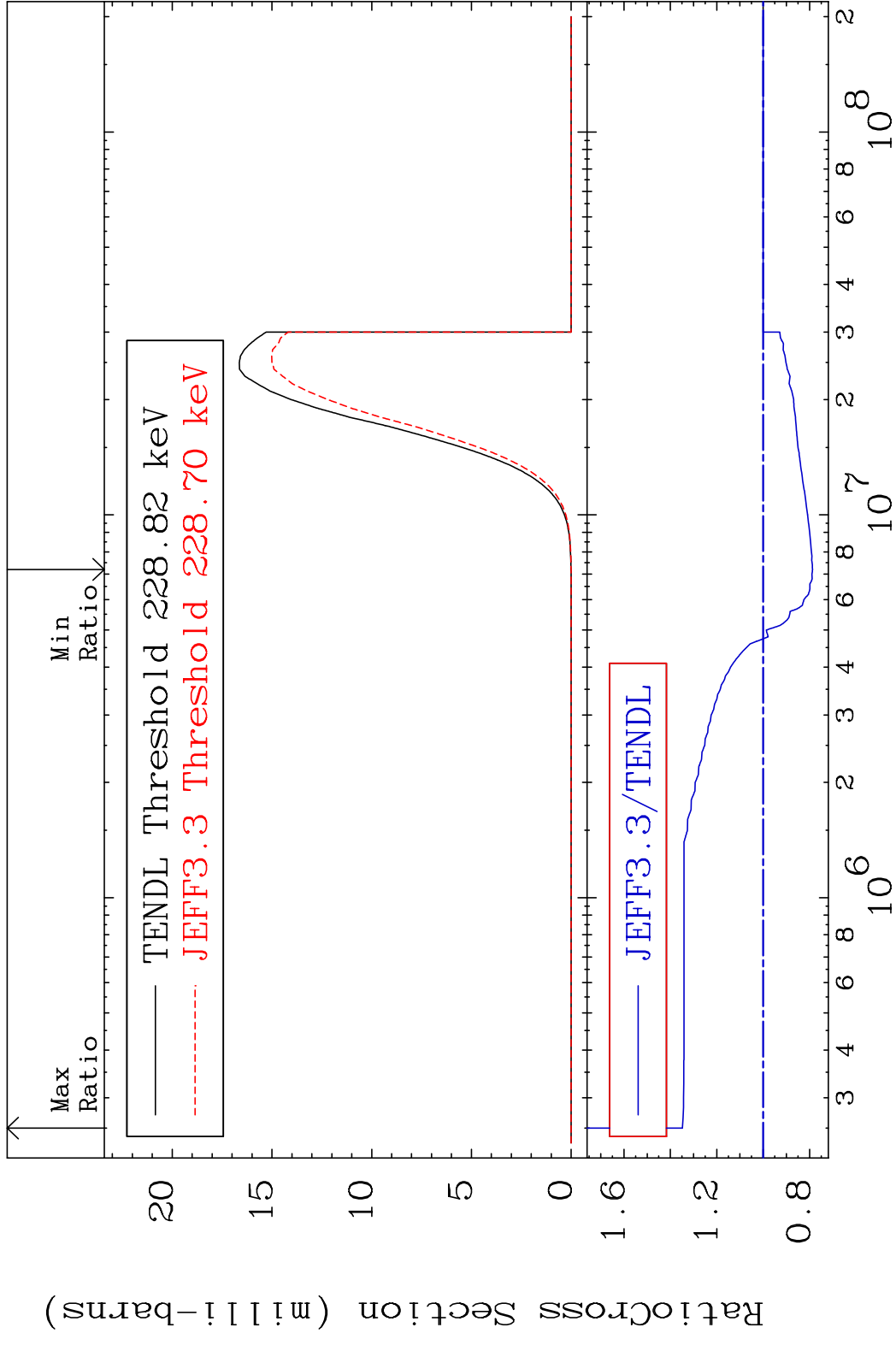


49

Incident Energy (eV)

68-Er-167

MAT 6840 (n,p) 68-Er-167  
 Cross Section -21.29 To 34.83 %

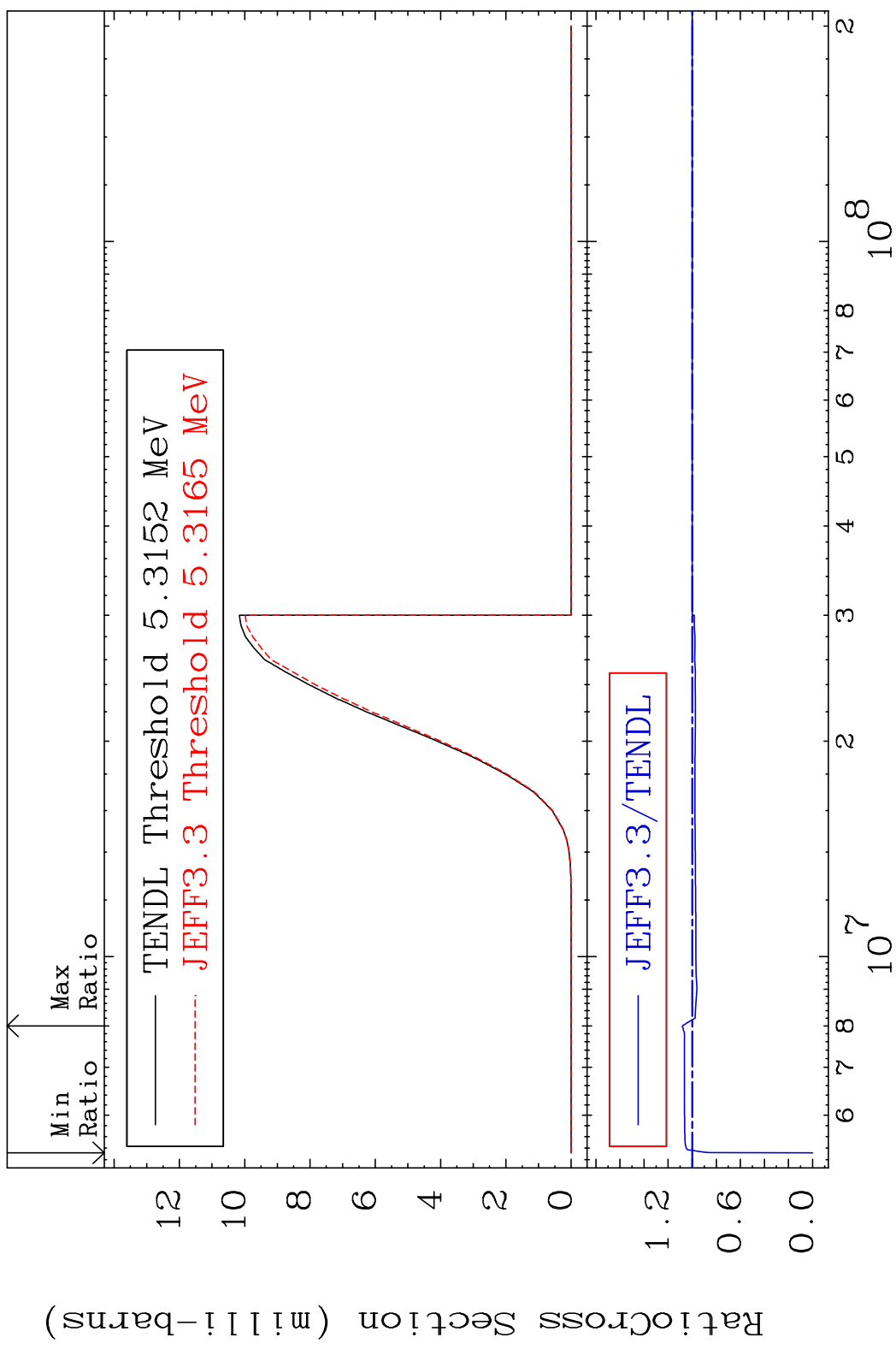


MAT 6840

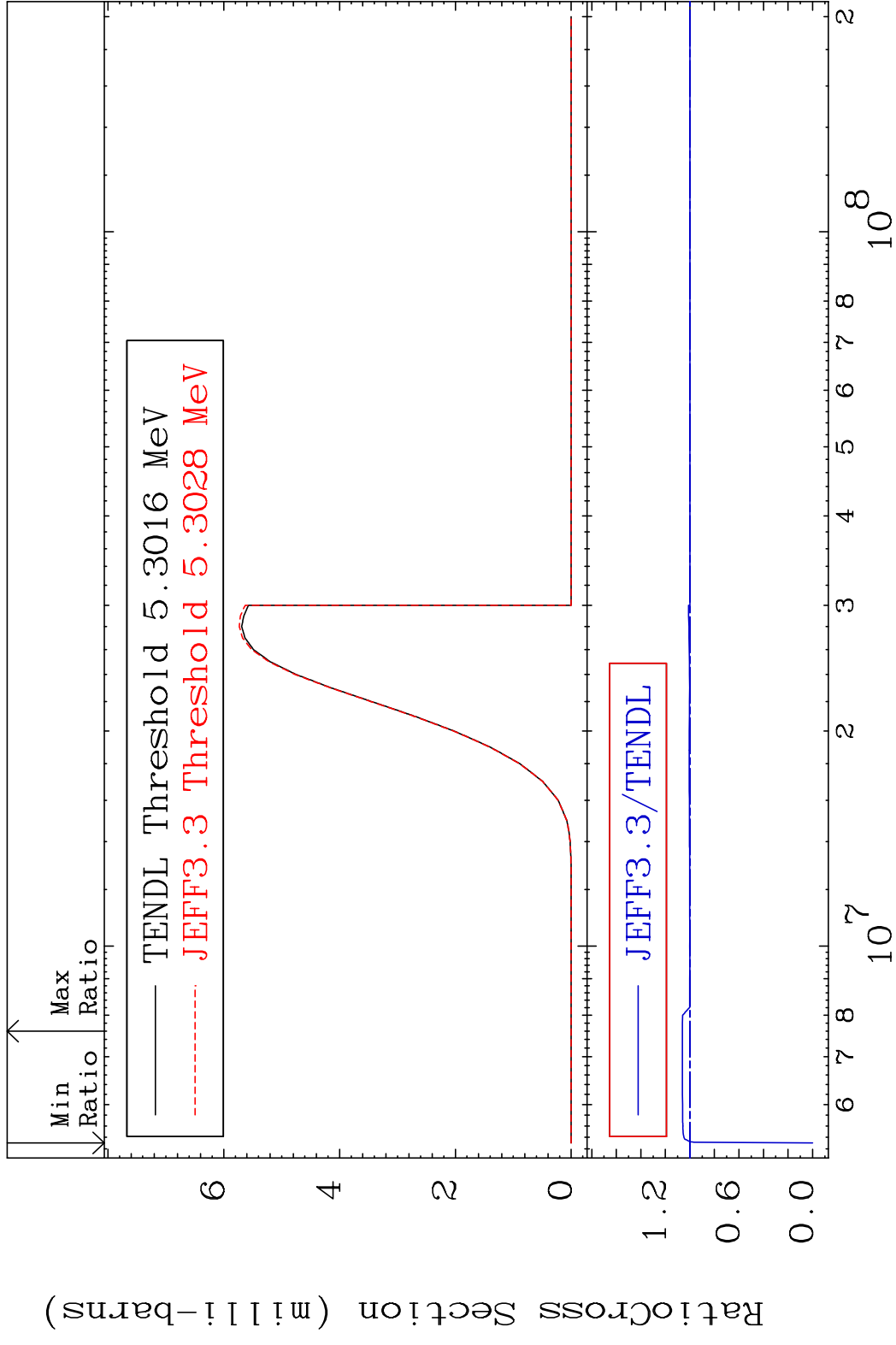
(n, d)

68-Er-167

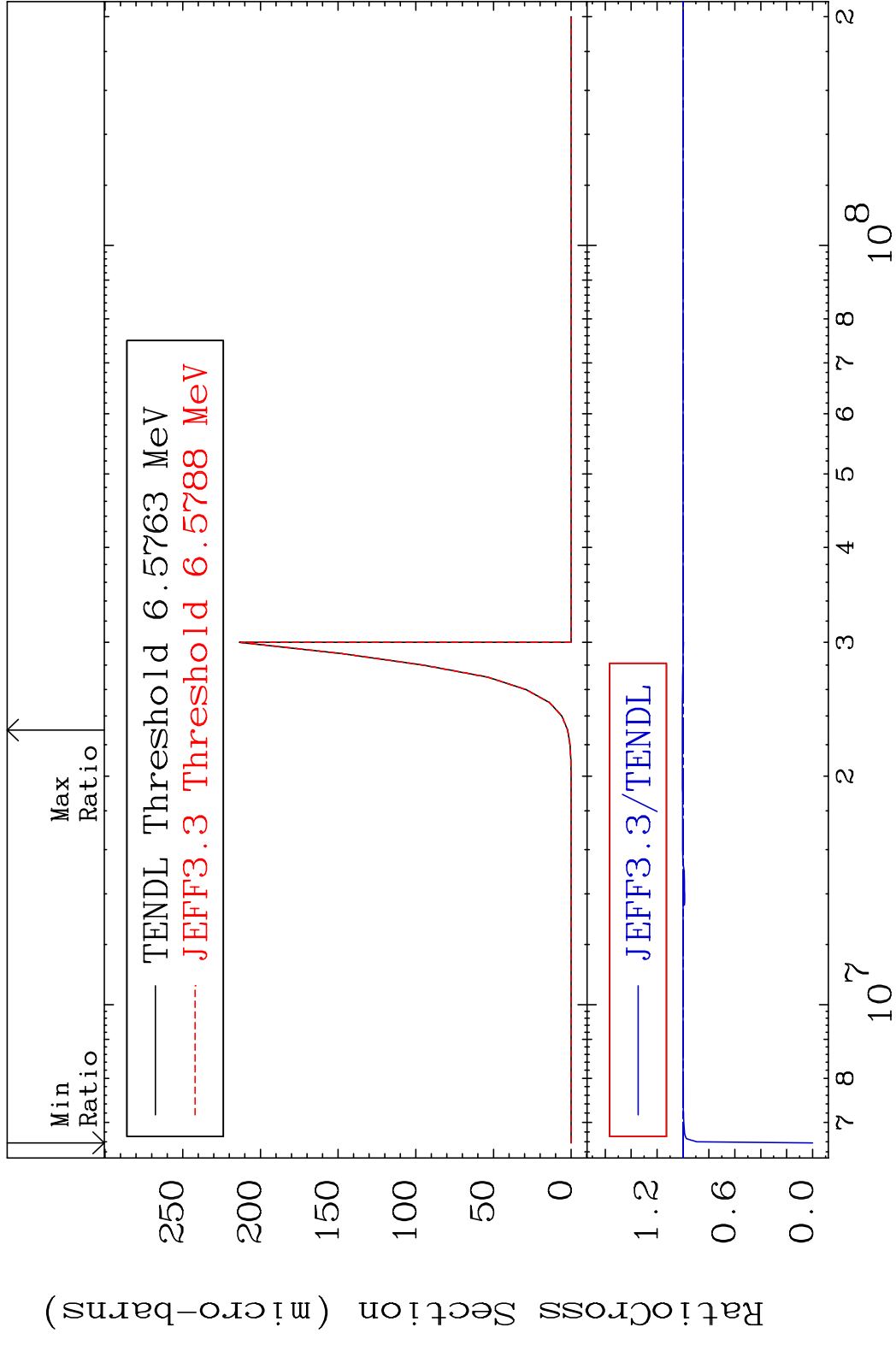
Cross Section -100.0 To 8.173 %



MAT 6840 (n, t) 68-Er-167  
 Cross Section -100.0 To 6.141 %



MAT 6840 (n, He-3) 68-Er-167  
 Cross Section -100.0 To 0.491 %

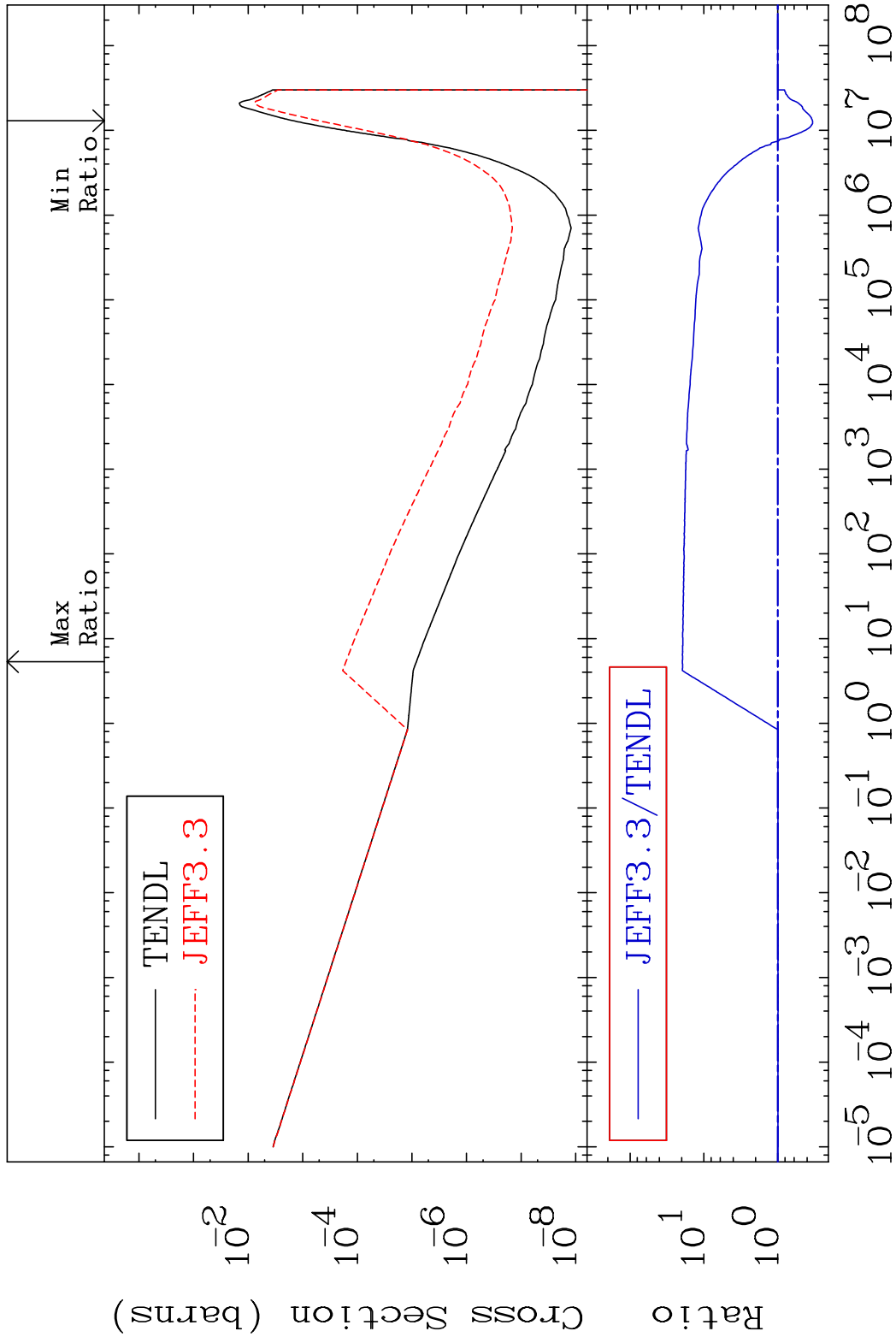


MAT 6840

(n,  $\alpha$ )

68-Er-167

Cross Section -66.23 To 1858. %



54

Incident Energy (eV)

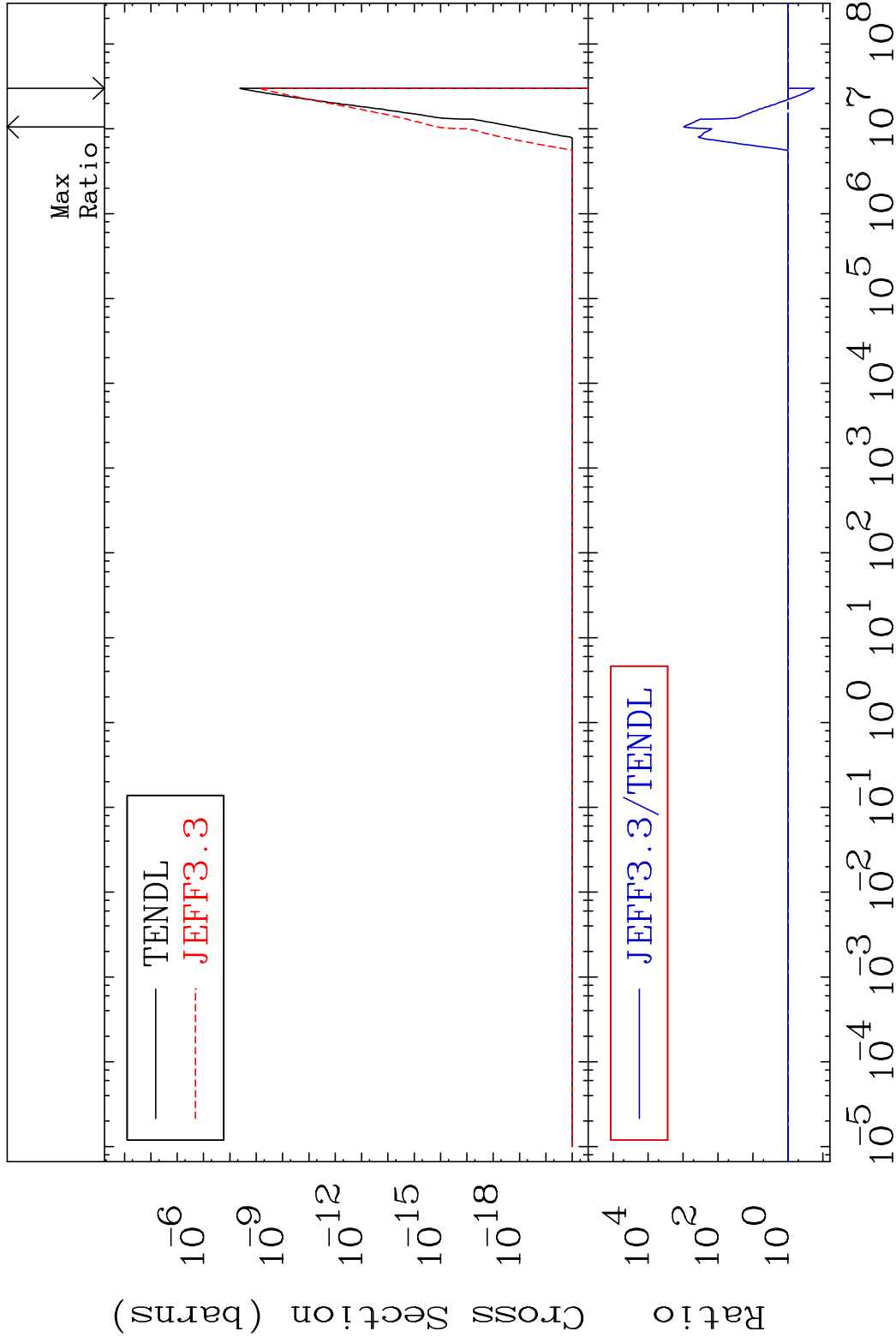
68-Er-167

MAT 6840

(n,2α)

68-Er-167

Cross Section -82.11 To 9999. %



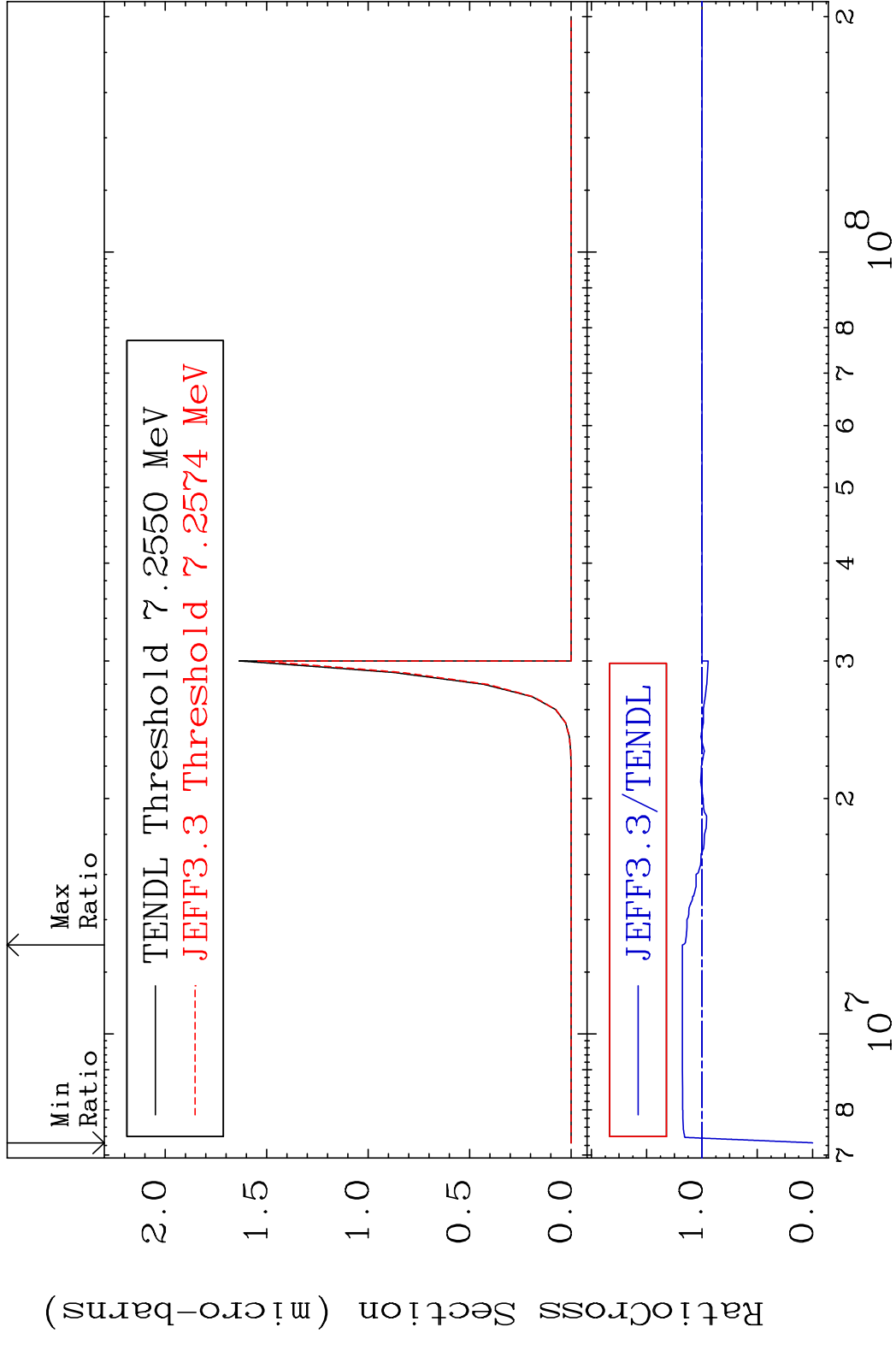
55

Incident Energy (eV)

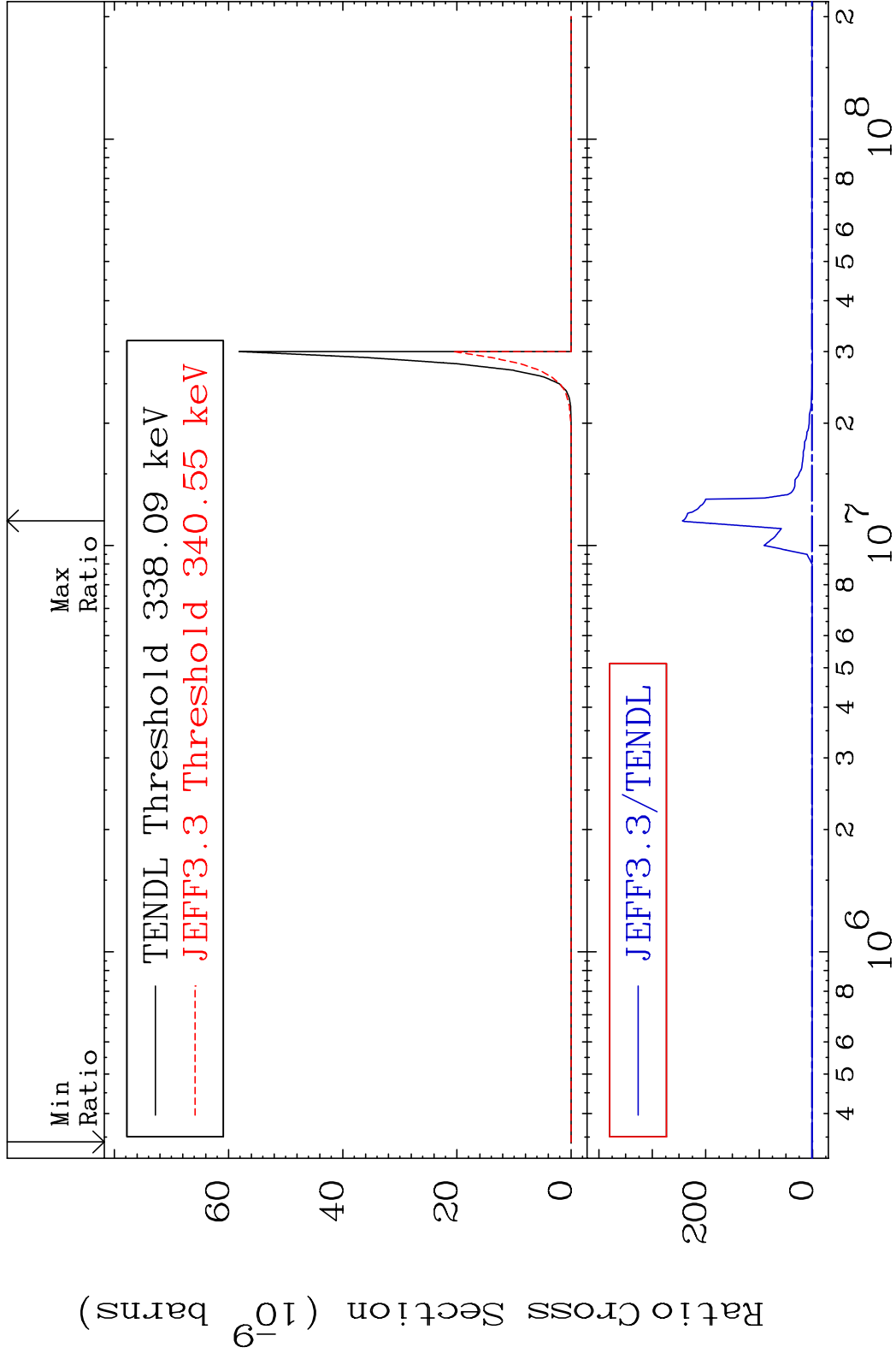
68-Er-167



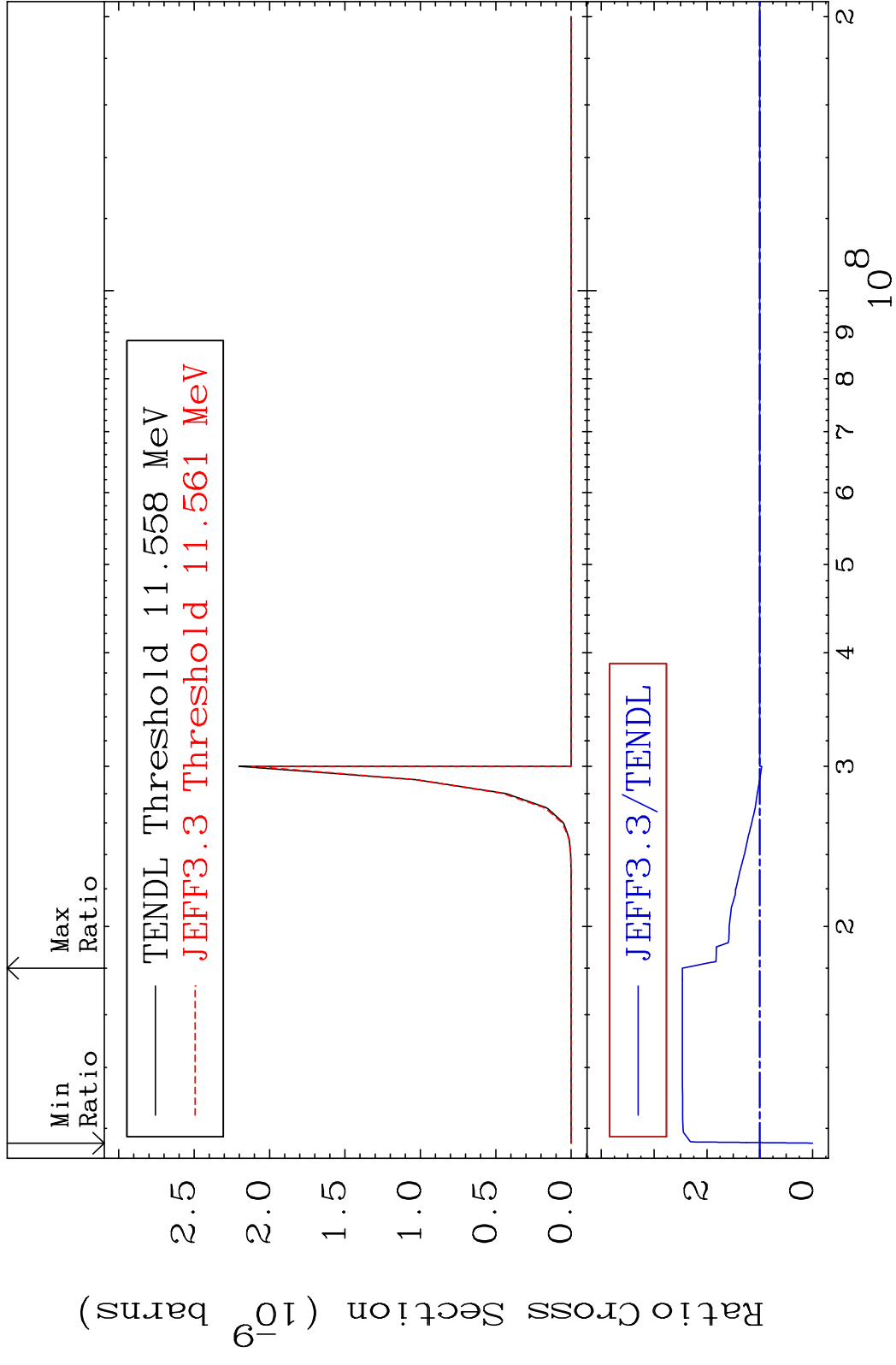
MAT 6840 (n,2p) 68-Er-167  
 Cross Section -100.0 To 17.75 %



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



MAT 6840 (n,p) t 68-Er-167  
 Cross Section -100.0 To 146.5 %

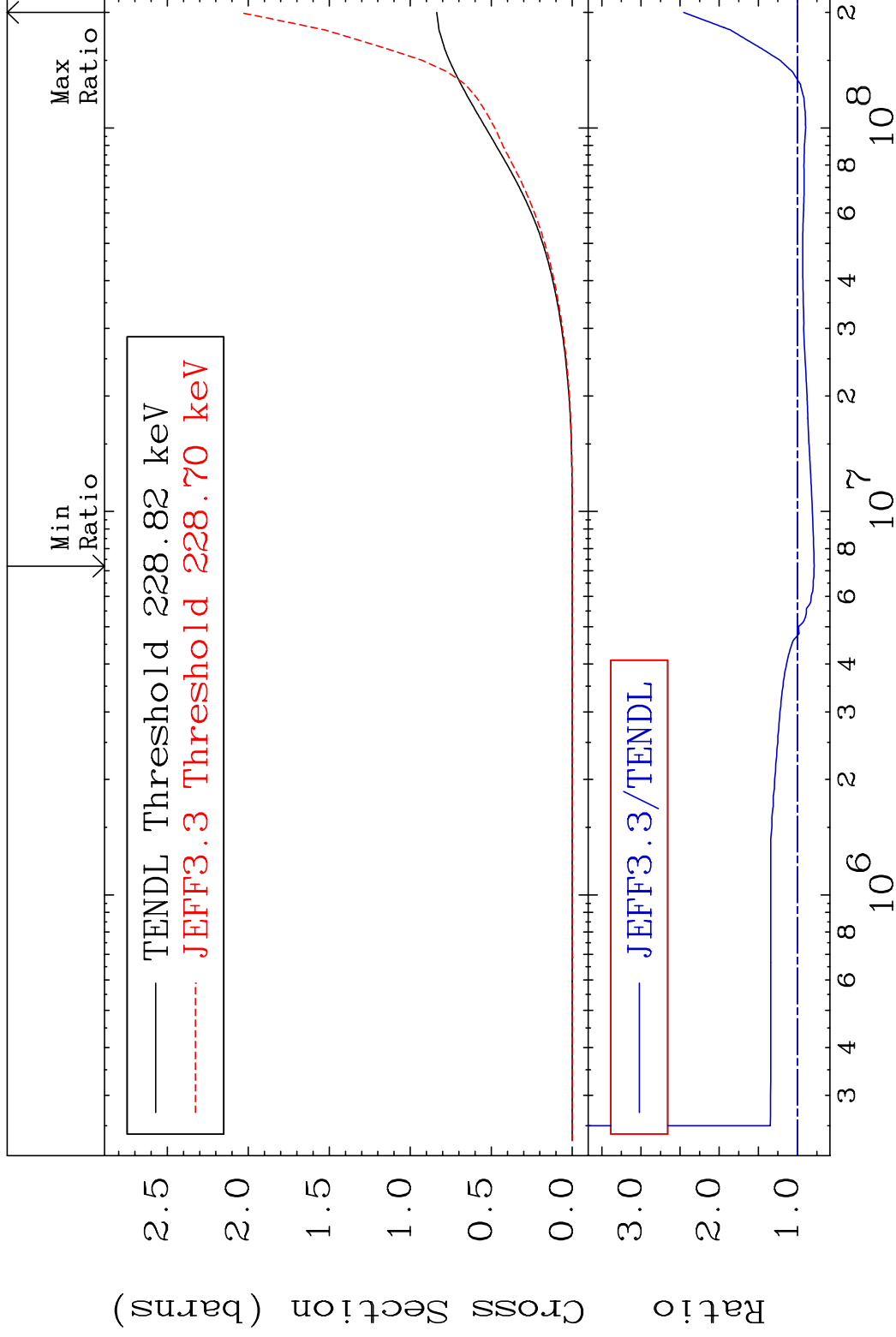


MAT 6840

Hydrogen Production

68-Er-167

Cross Section -21.29 To 145.4 %

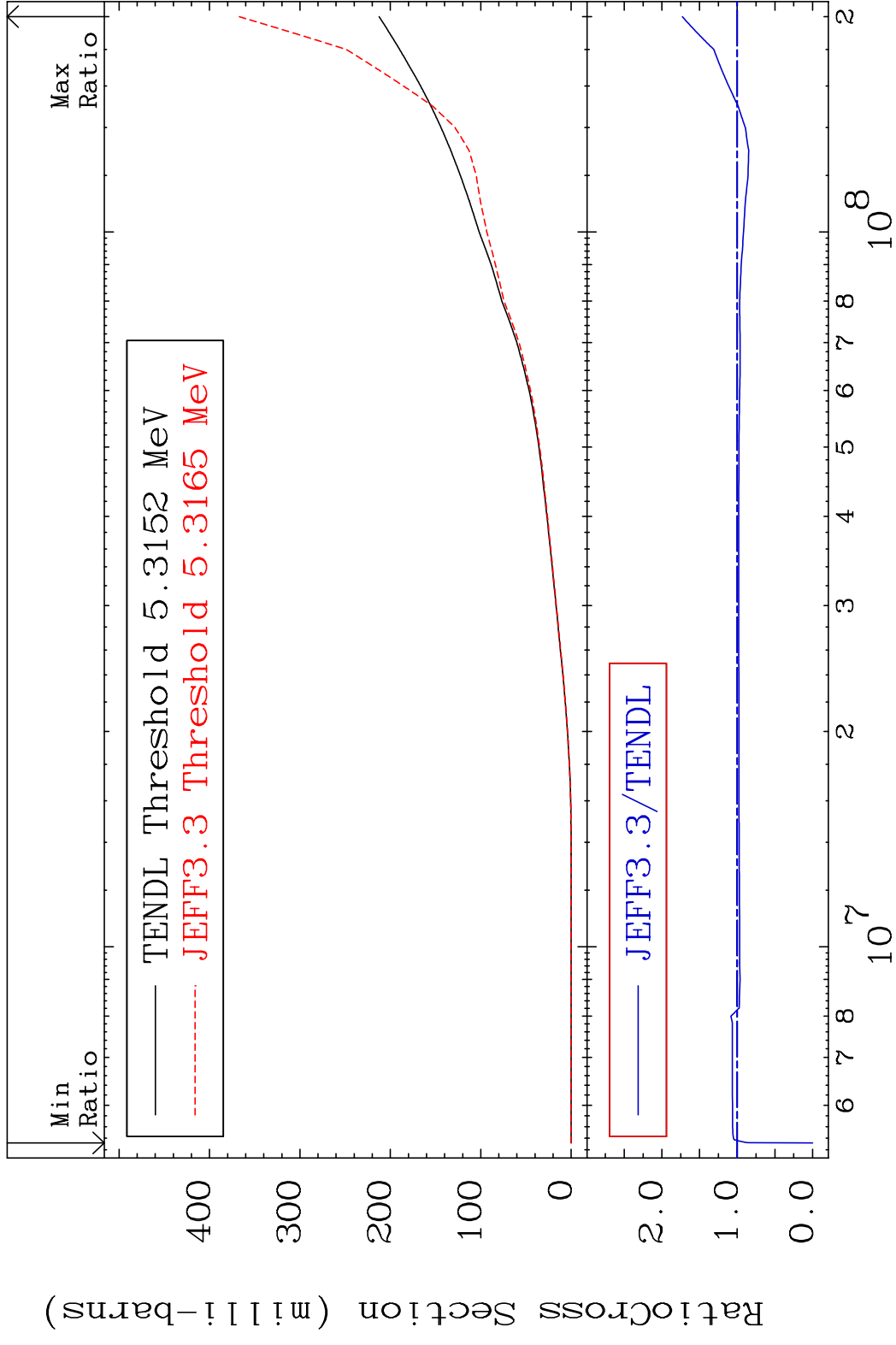


59

Incident Energy (eV)

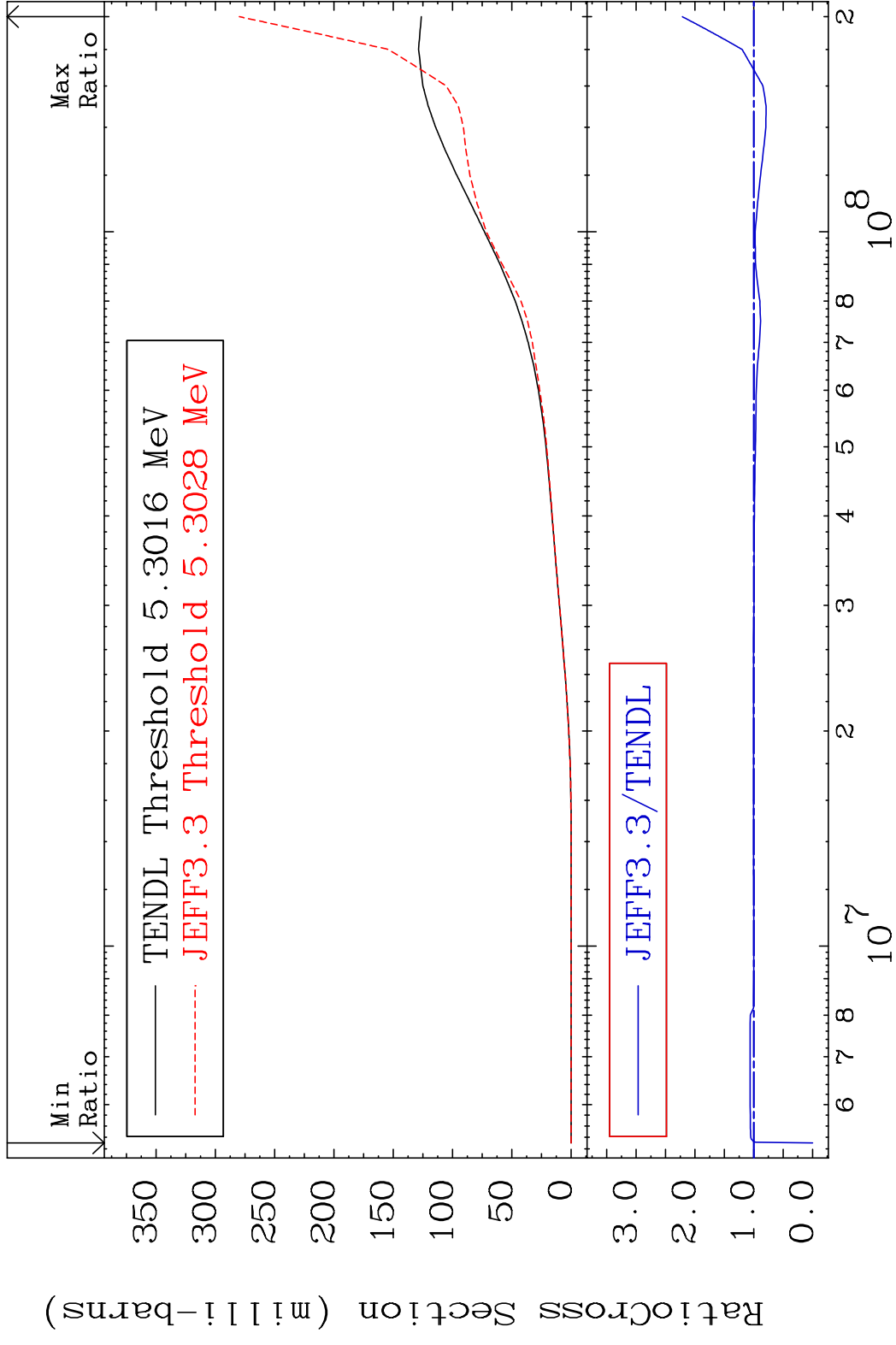
68-Er-167

MAT 6840 Deuterium Production 68-Er-167  
 Cross Section -100.0 To 72.85 %



60 Incident Energy (eV) 68-Er-167

MAT 6840 Tritium Production 68-Er-167  
 Cross Section -100.0 To 121.5 %

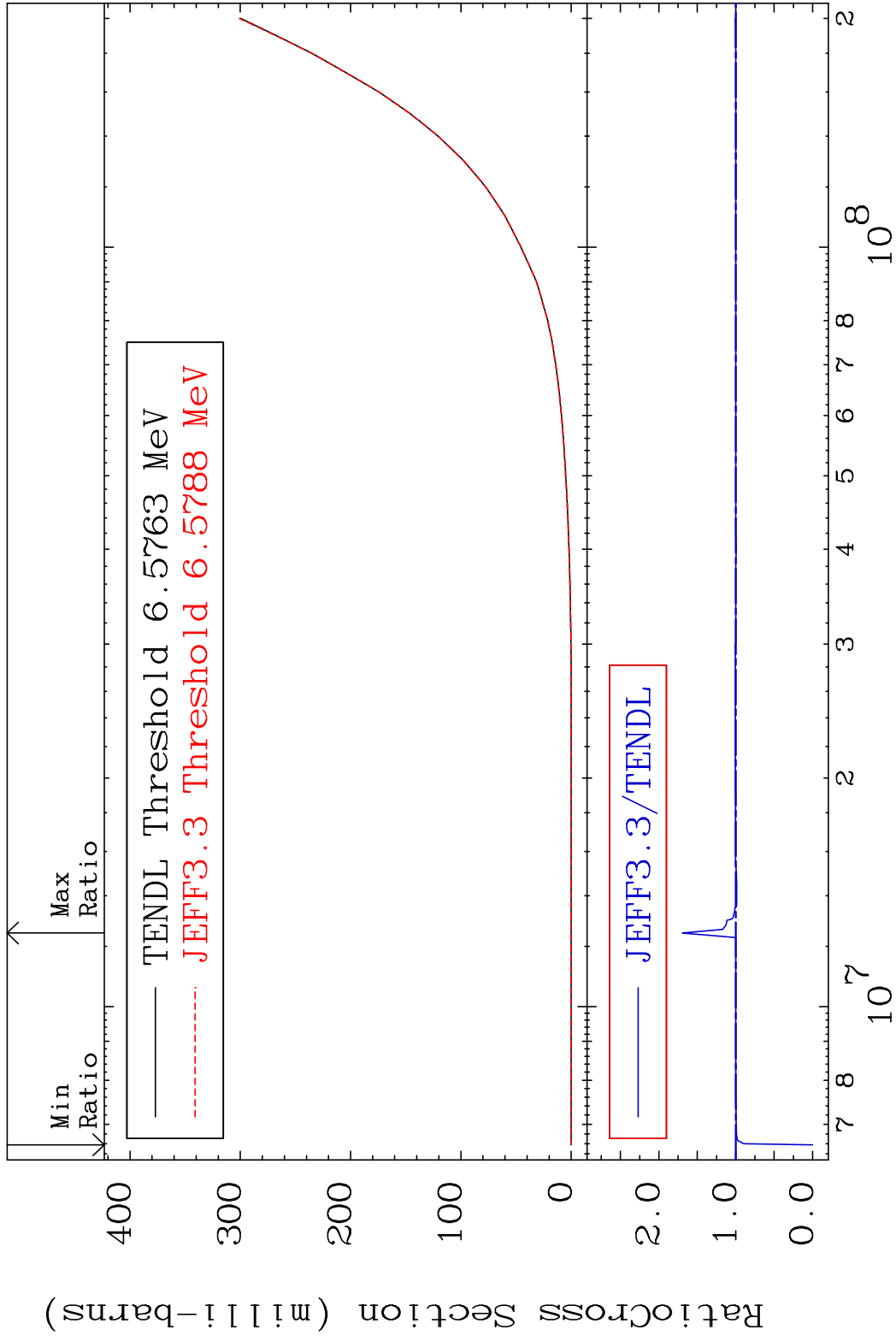


MAT 6840

He-3 Production

68-Er-167

Cross Section -100.0 To 69.42 %



62

Incident Energy (eV)

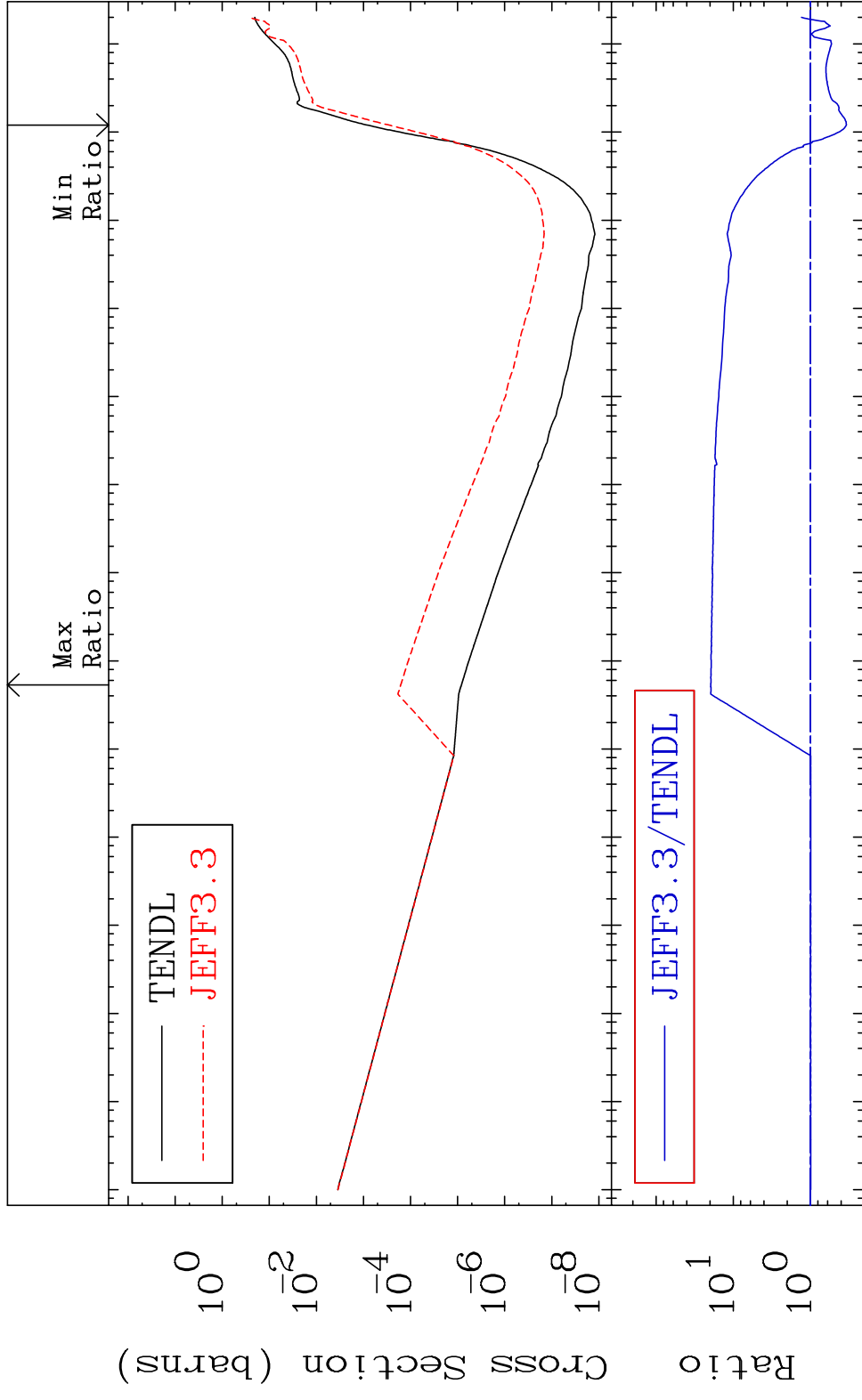
68-Er-167

MAT 6840

He-4 Production

68-Er-167

Cross Section -65.69 To 1858. %



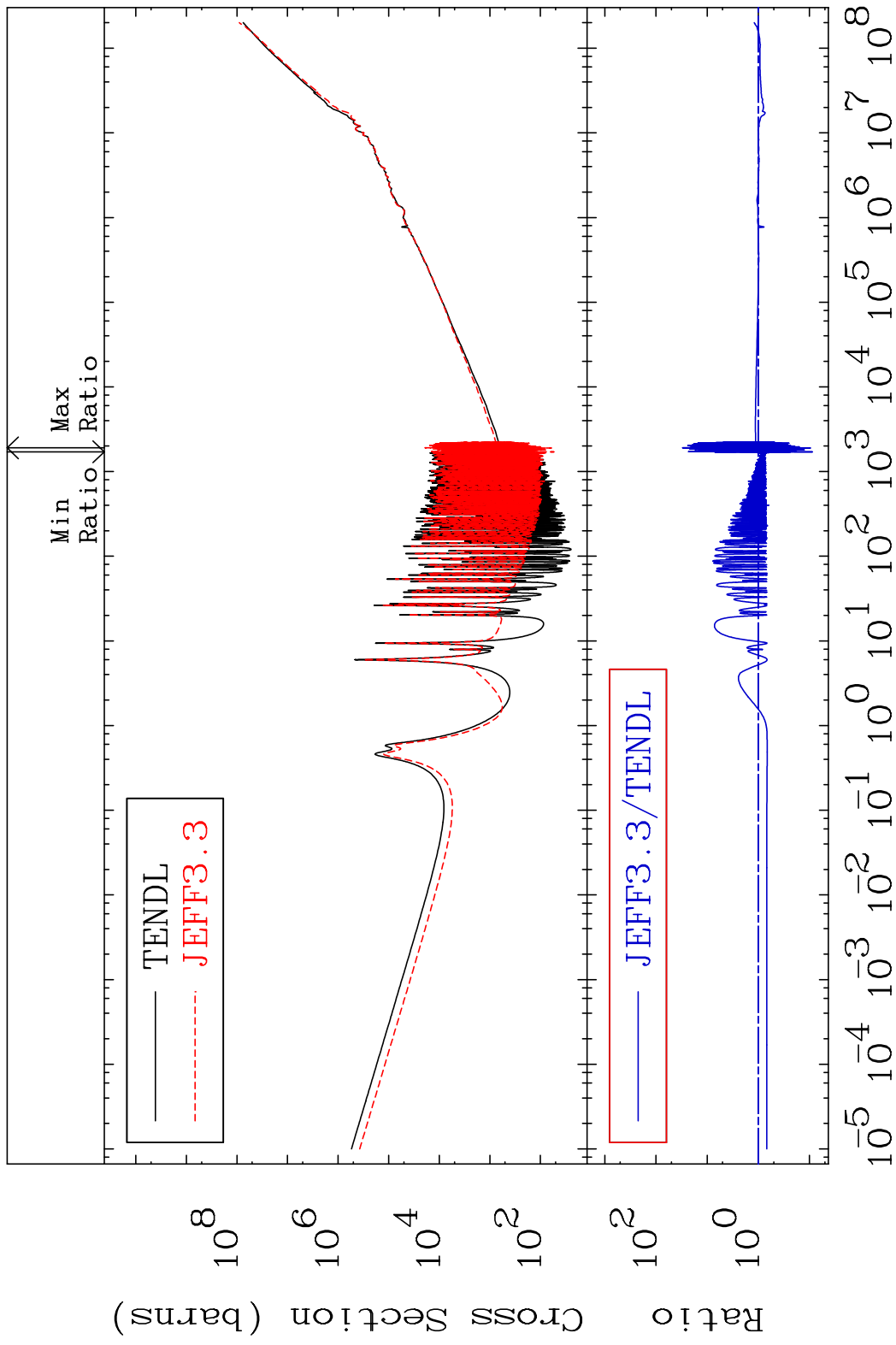
63

Incident Energy (eV)

68-Er-167



MAT 6840 Kerma total (eV-barns) 68-Er-167  
 Cross Section -91.28 To 2955. %

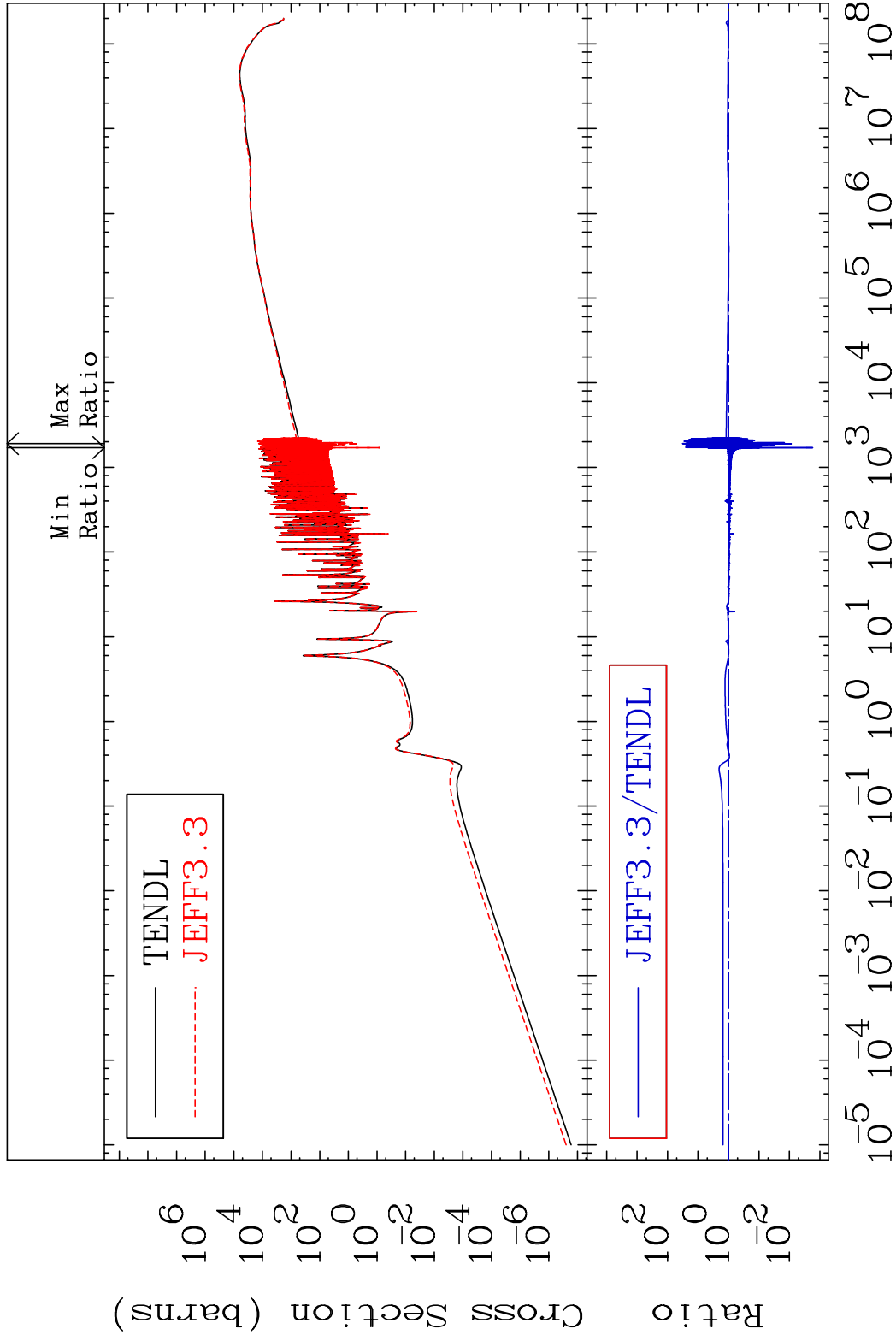


MAT 6840

Kerma elastic

68-Er-167

Cross Section -99.83 To 3165. %

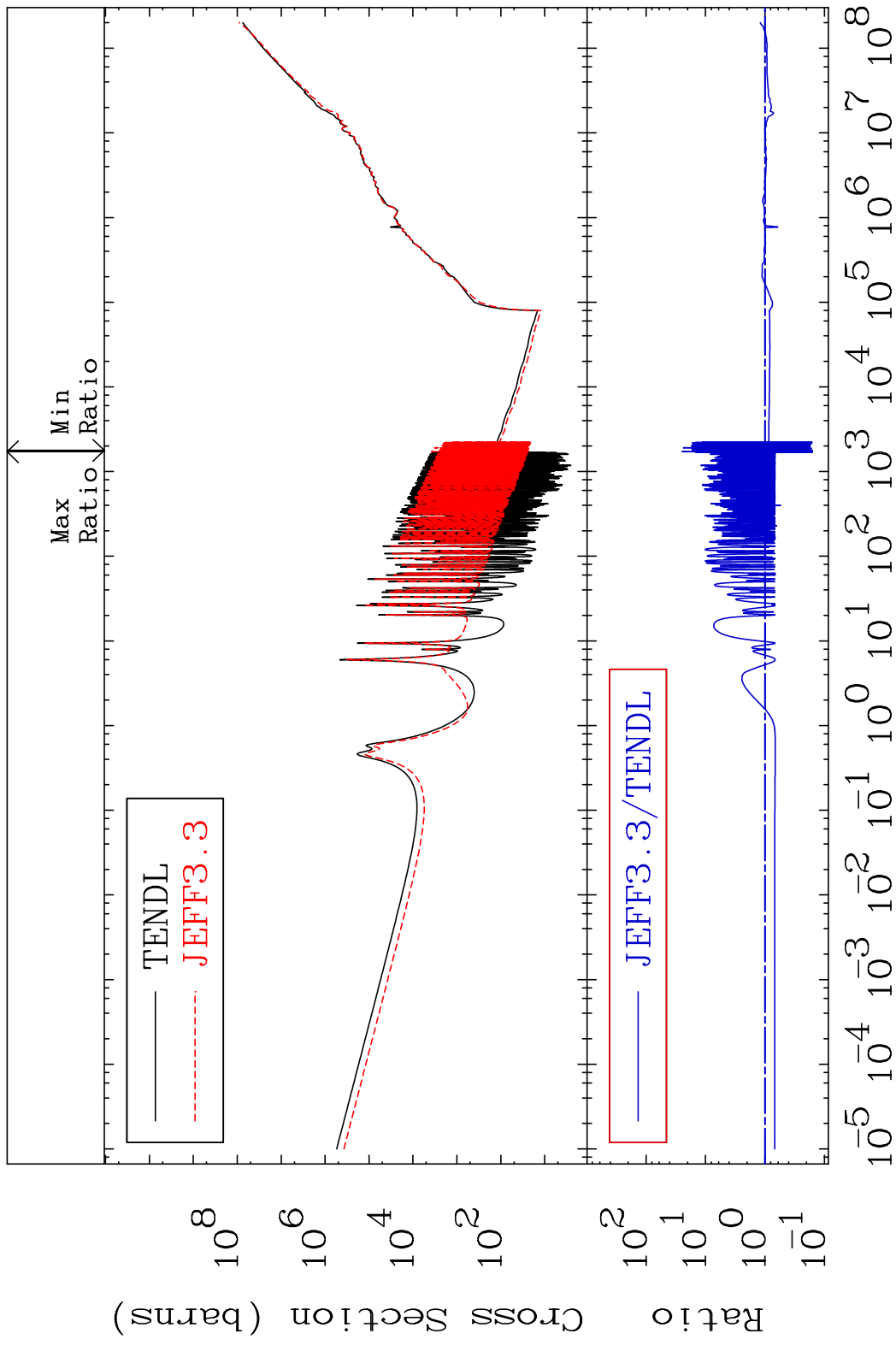


65

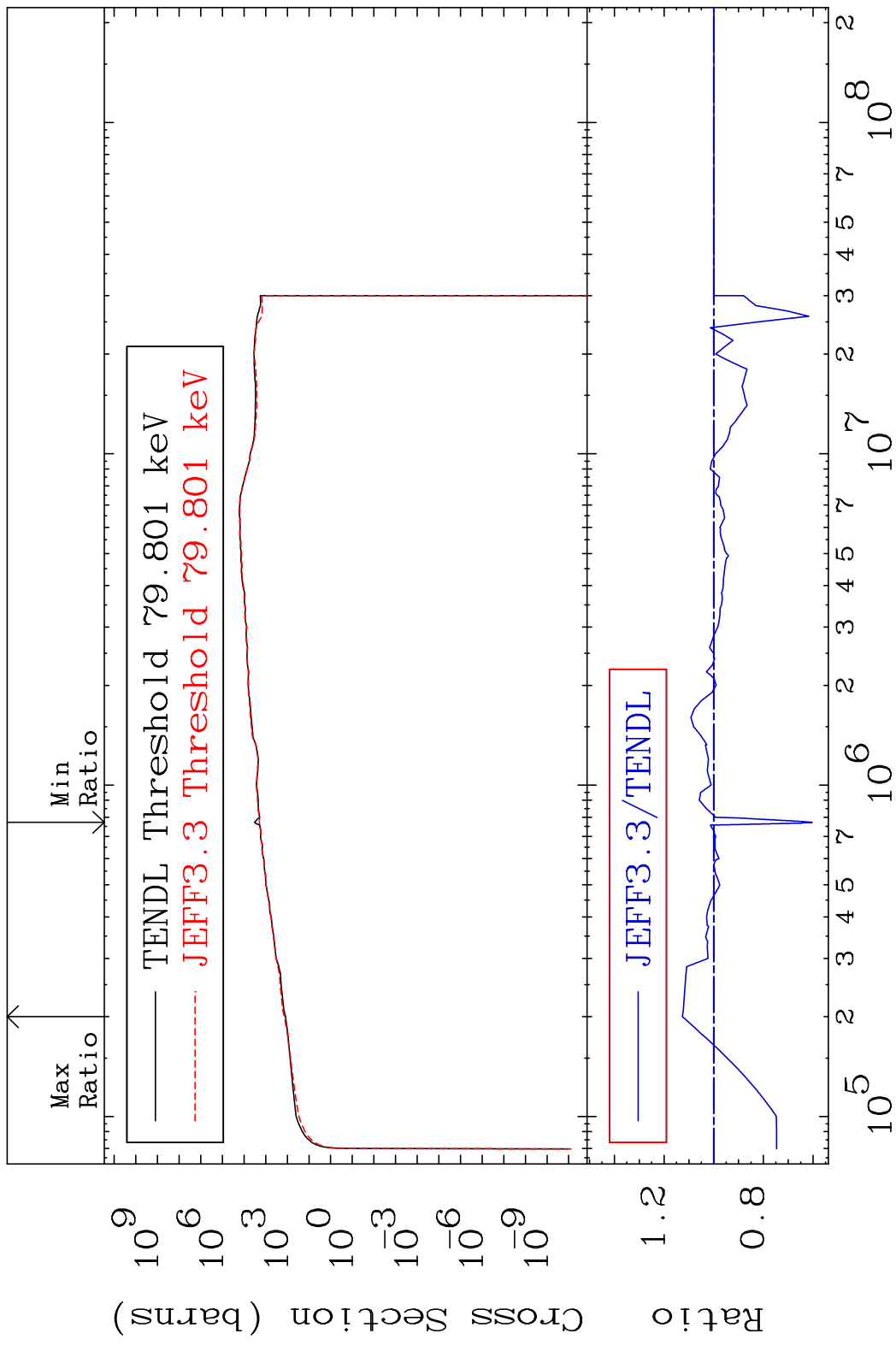
Incident Energy (eV)

68-Er-167

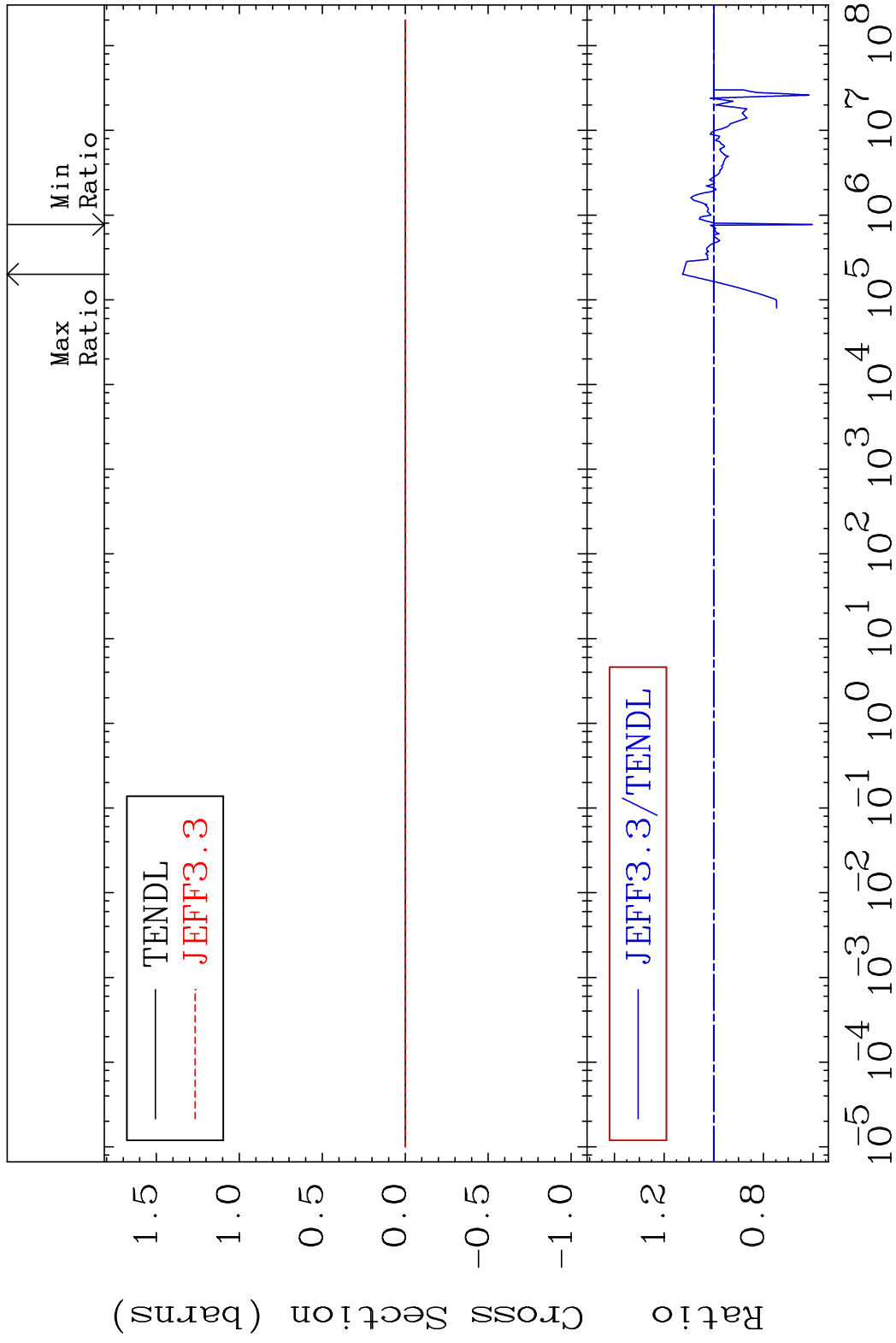
MAT 6840 Kerma non-elastic (all but mt2) 68-Er-167  
 Cross Section -84.15 To 2350. %



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



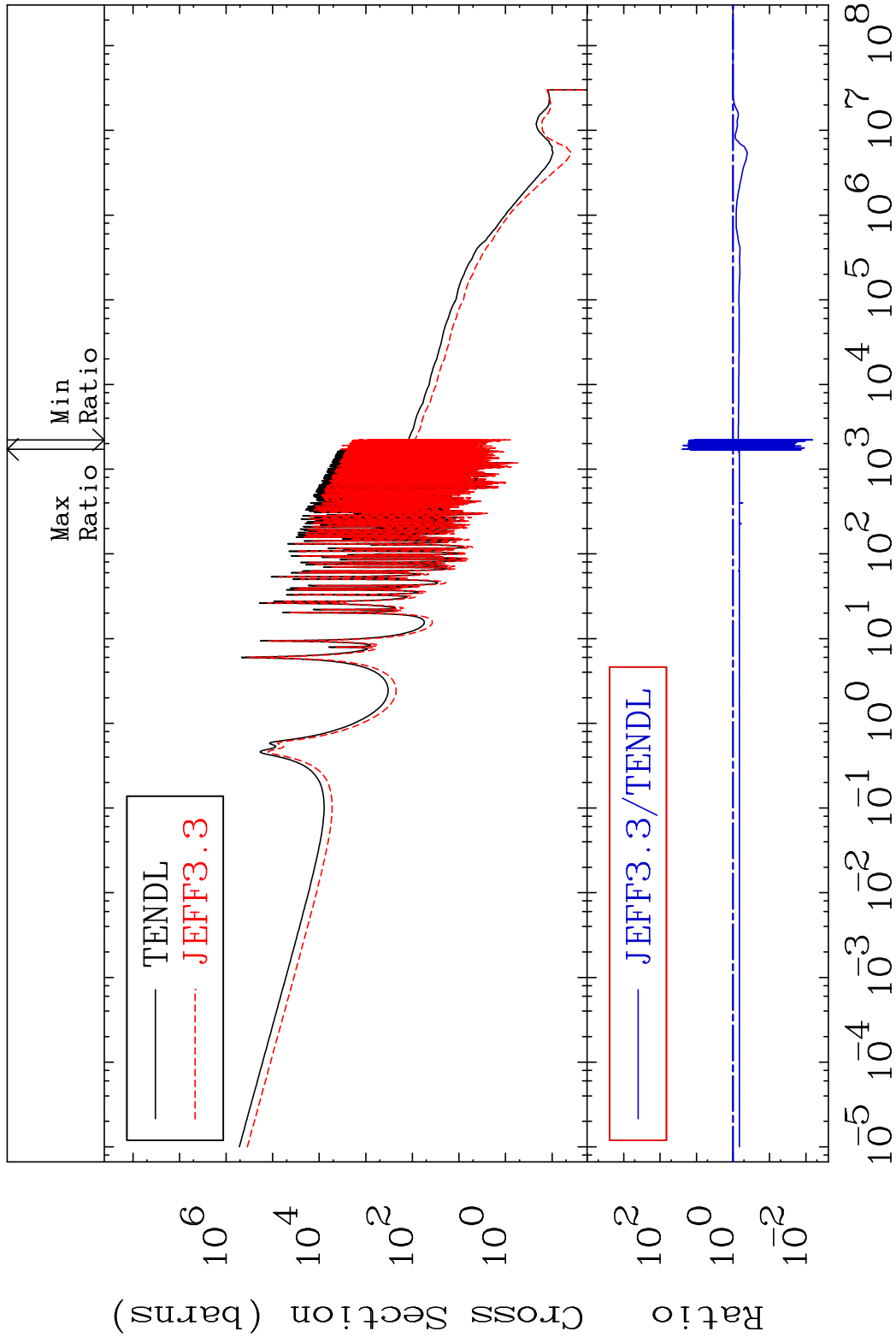
MAT 6840 Kerma fission (mt18 or mt19-20-21-38) 68-Er-167  
 Cross Section -39.77 To 12.64 %



MAT 6840

Kerma capture (mt102) 68-Er-167

Cross Section -99.34 To 2358. %



69

Incident Energy (eV)

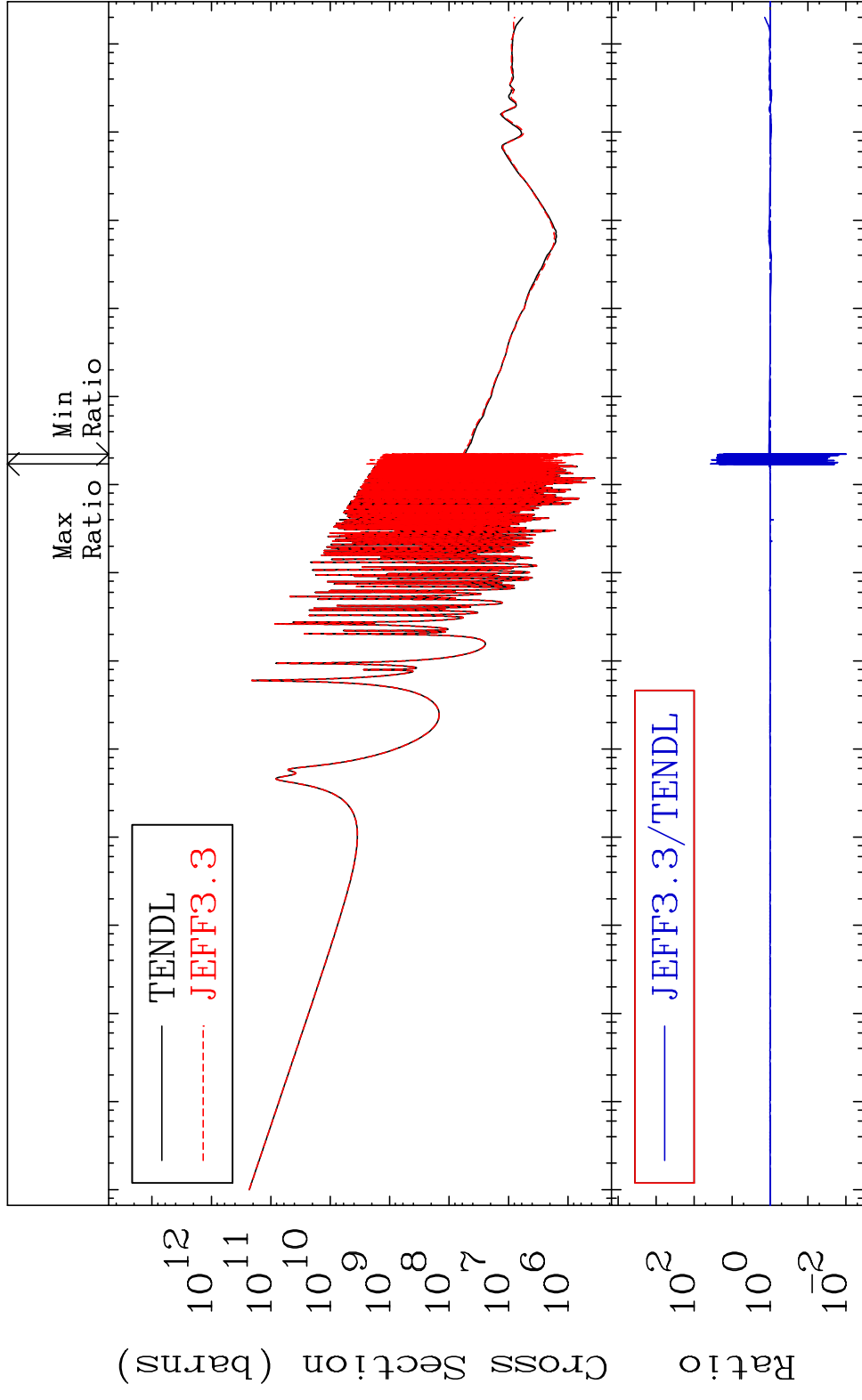
68-Er-167

MAT 6840

Total photon (eV-barns)

68-Er-167

Cross Section -99.02 To 3553. %

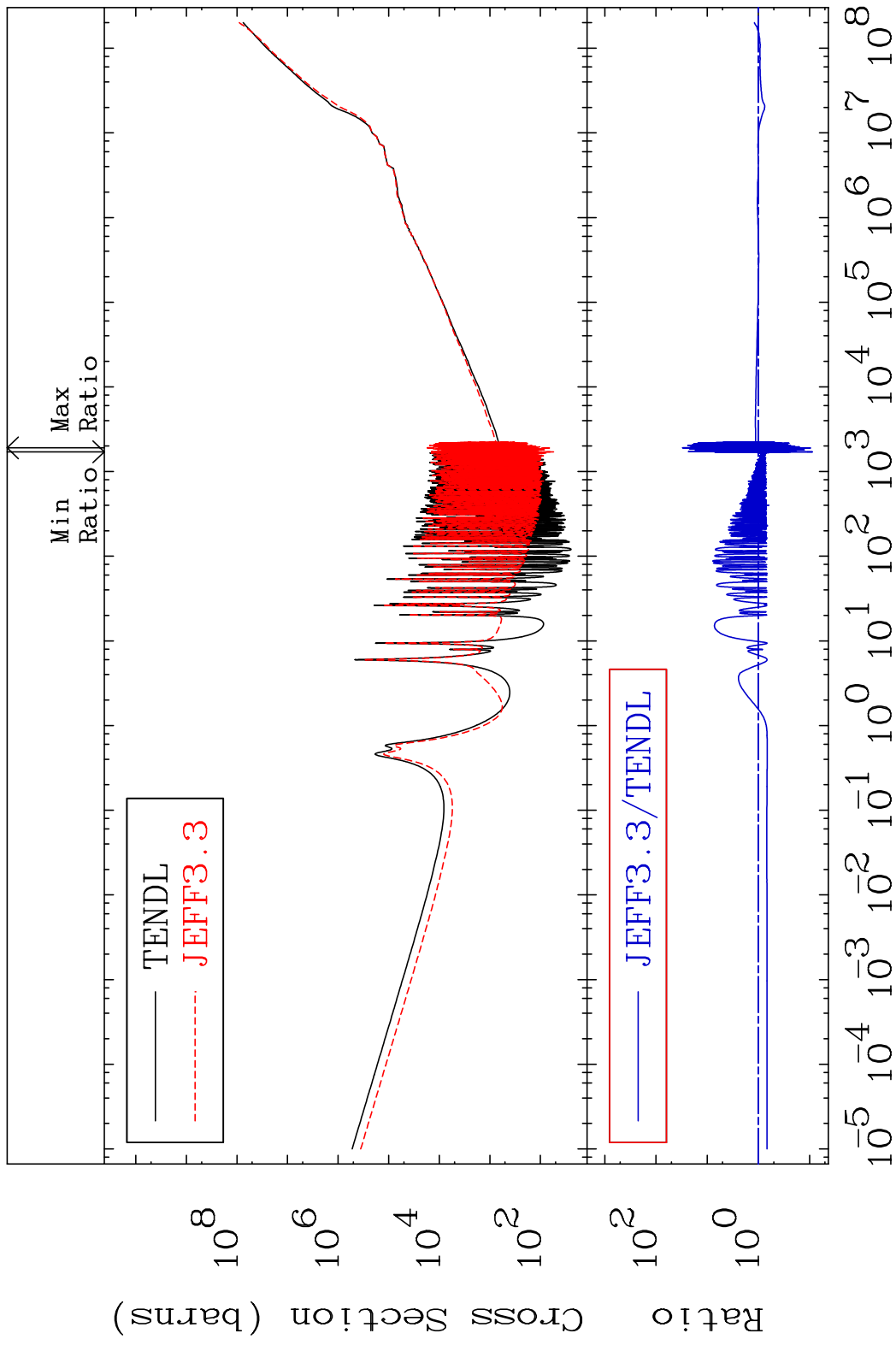


70

Incident Energy (eV)

68-Er-167

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



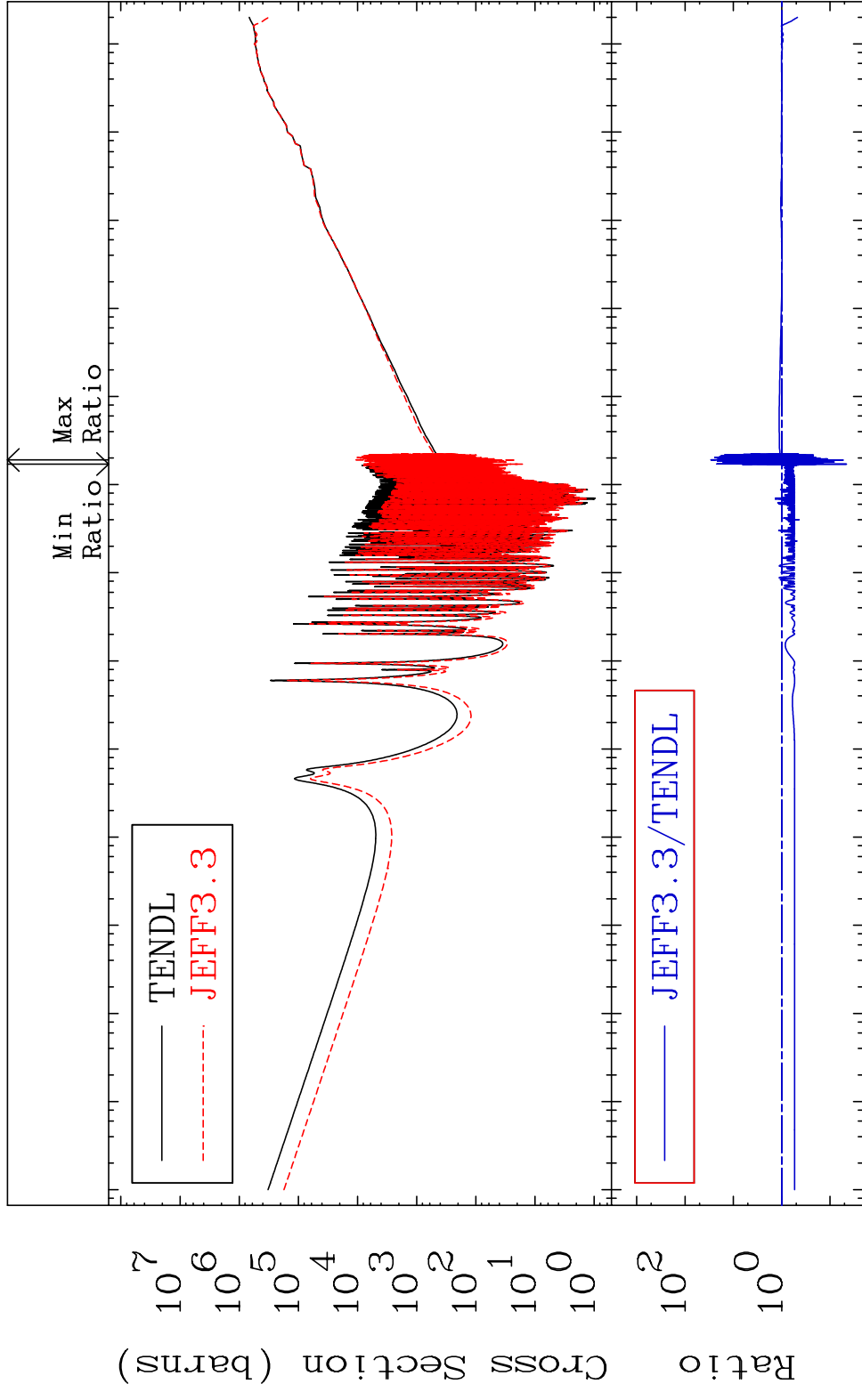


MAT 6840

Dpa total (eV-barns)

68-Er-167

Cross Section -95.41 To 2839. %



72

Incident Energy (eV)

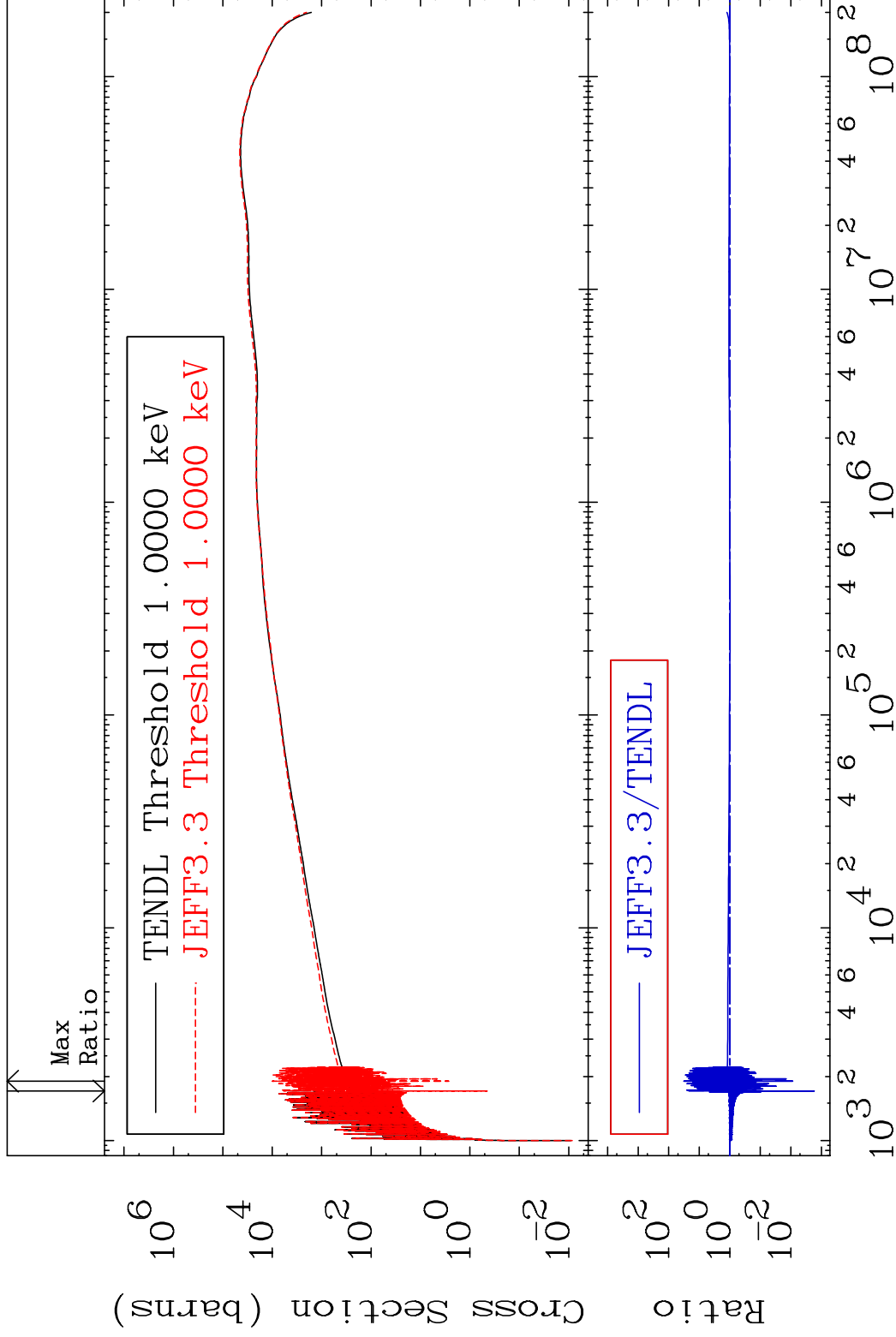
68-Er-167

MAT 6840

Dpa elastic (mt2)

68-Er-167

Cross Section -99.83 To 3139. %

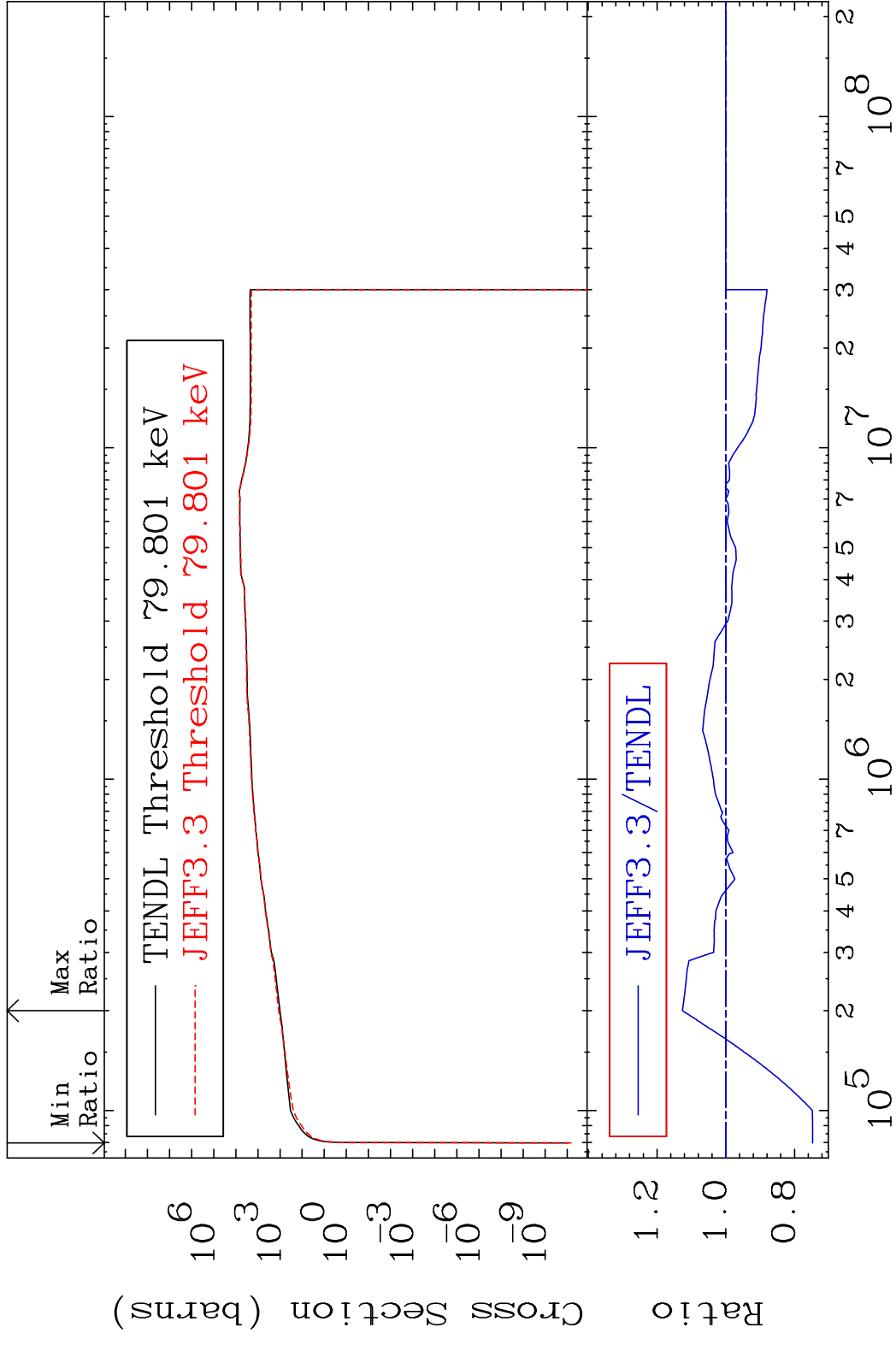


73

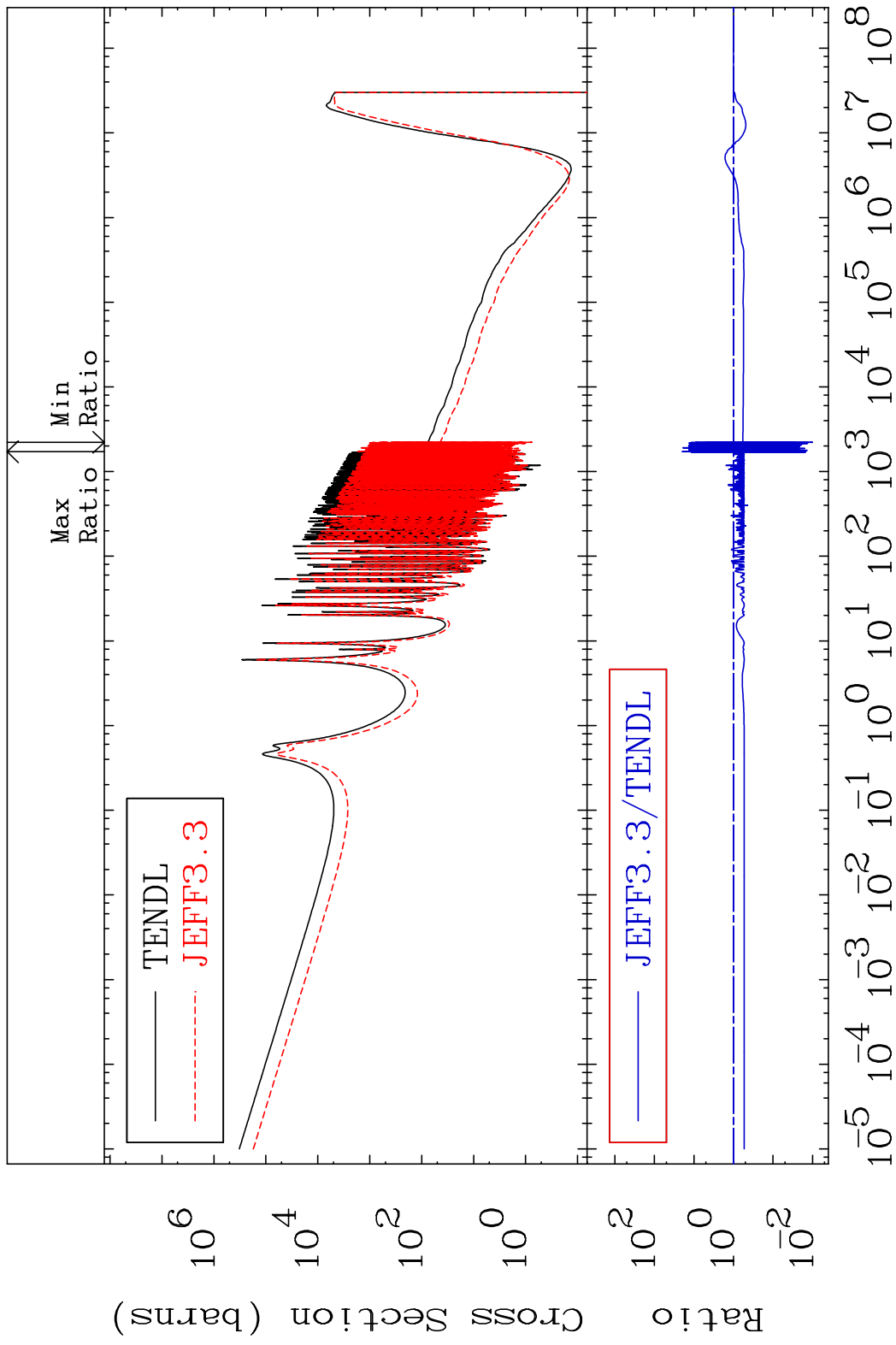
Incident Energy (eV)

68-Er-167

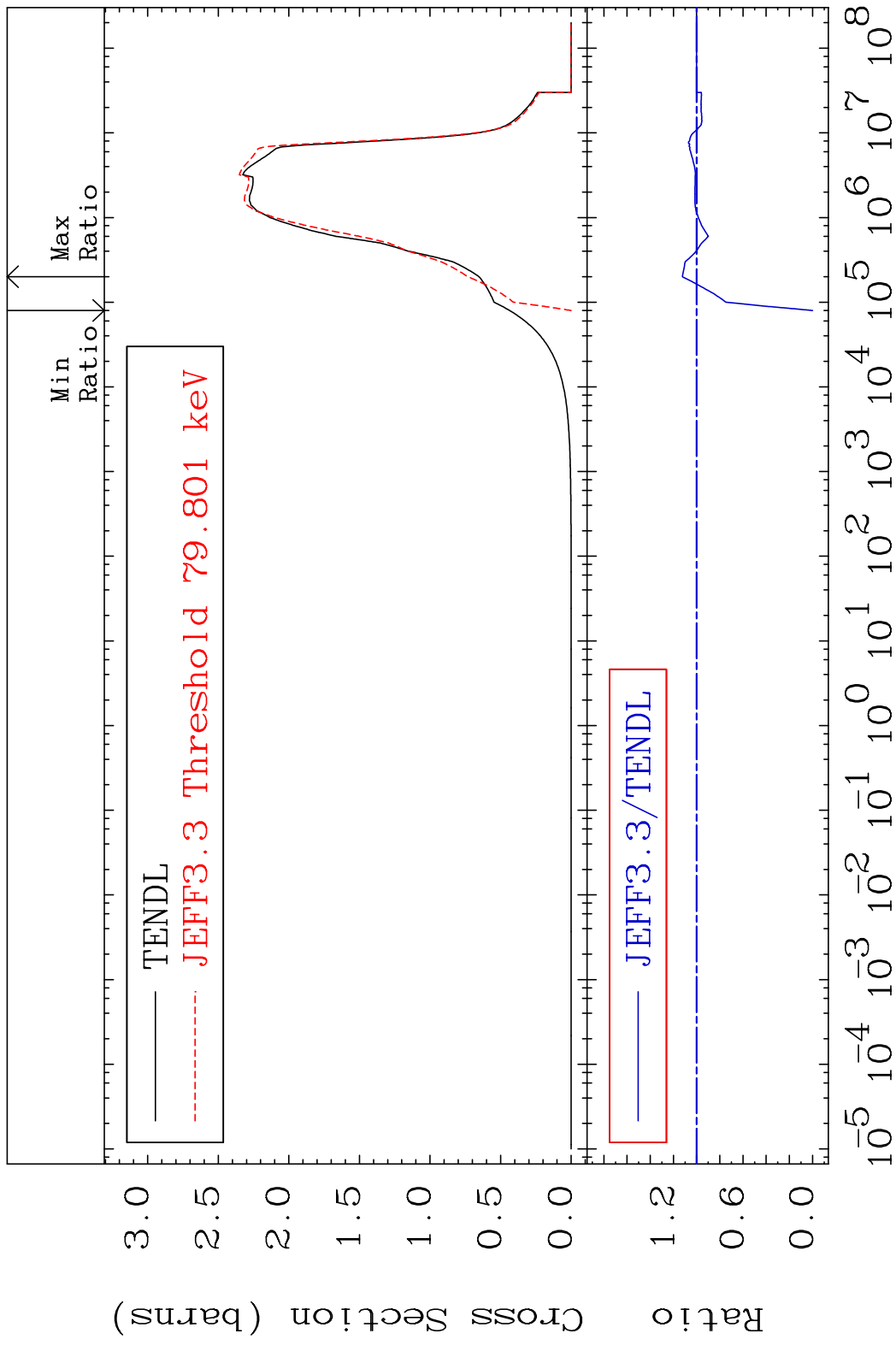
MAT 6840 Dpa inelastic (mt51-91) 68-Er-167  
 Cross Section -25.25 To 12.63 %

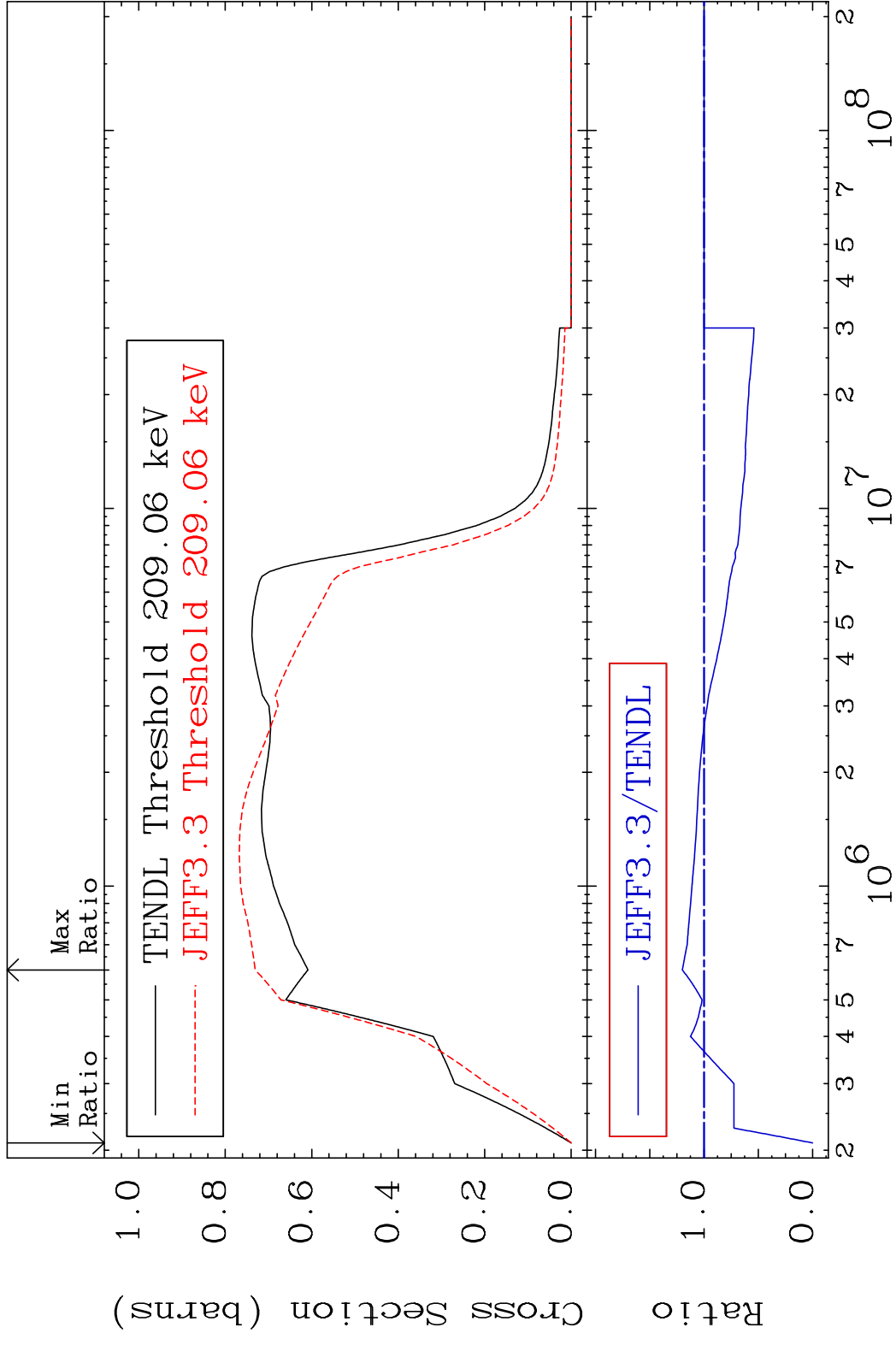


MAT 6840 Dpa disappearance (mt102 -120) 68-Er-167  
 Cross Section -99.00 To 1868. %

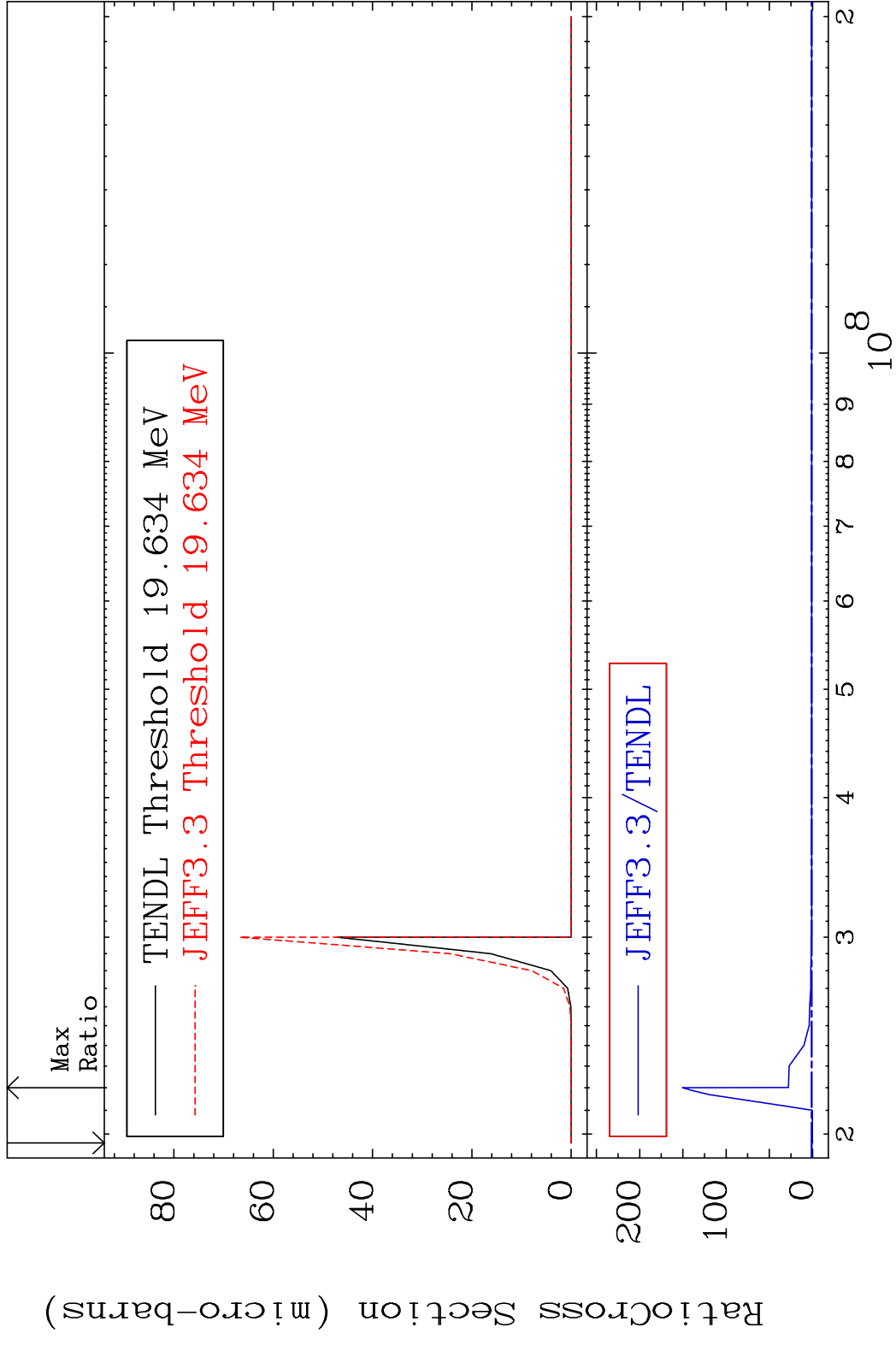


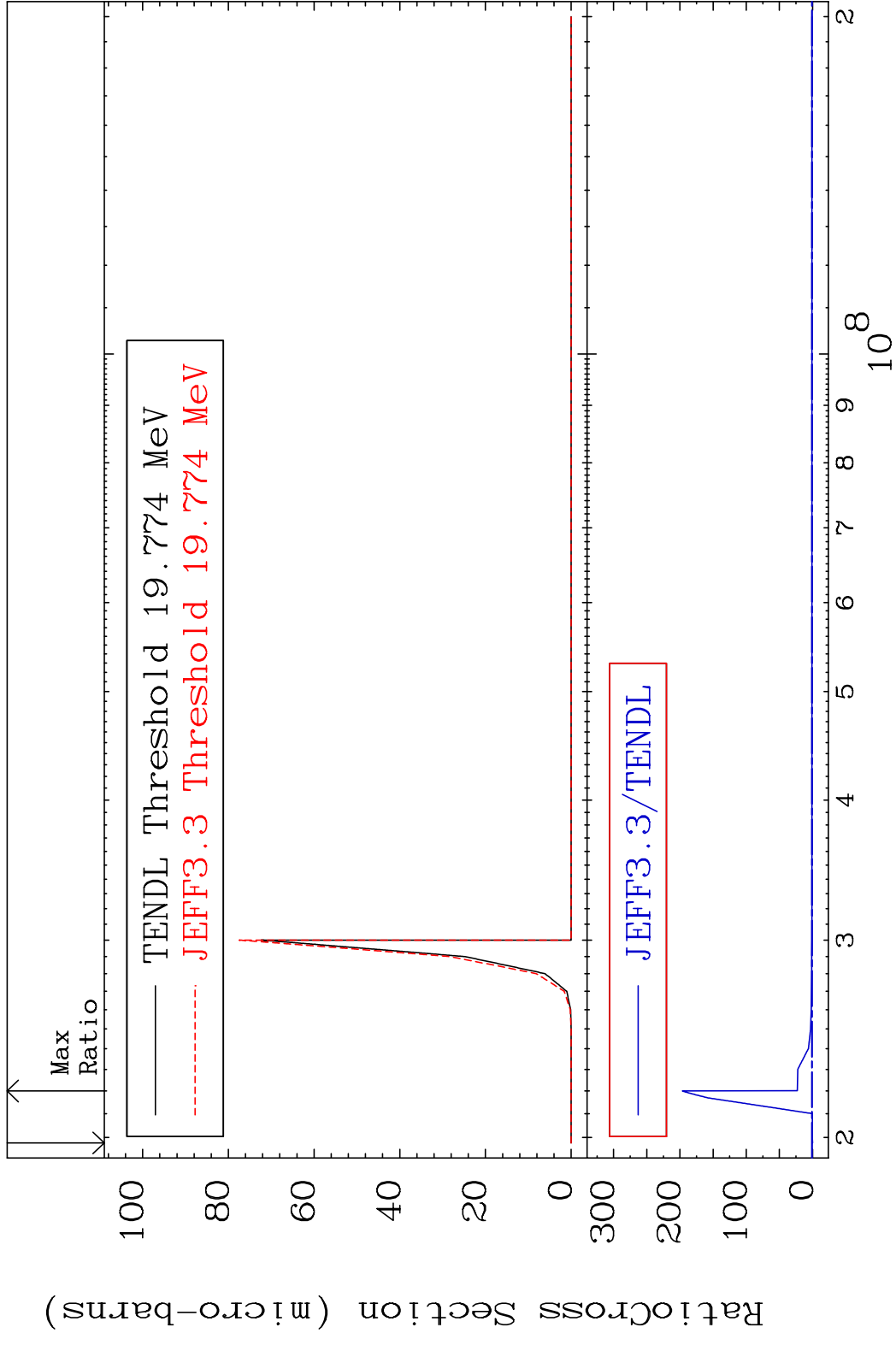
75 Incident Energy (eV) 68-Er-167





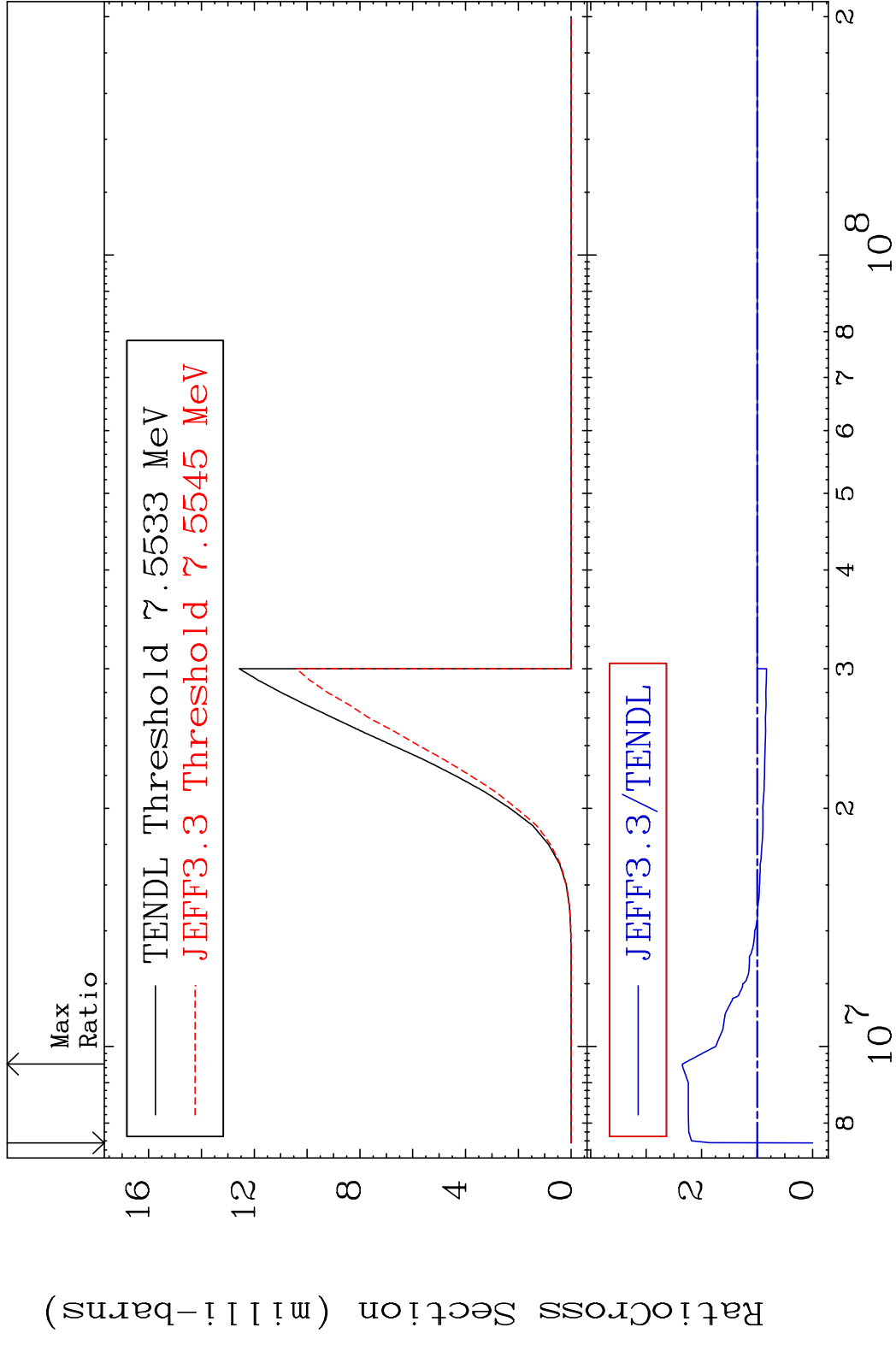
MAT 6840 (n,2n) d:67-Ho-164g 68-Er-167  
 Radionuclide Production Cross Section 100.00 dtd 9999. %



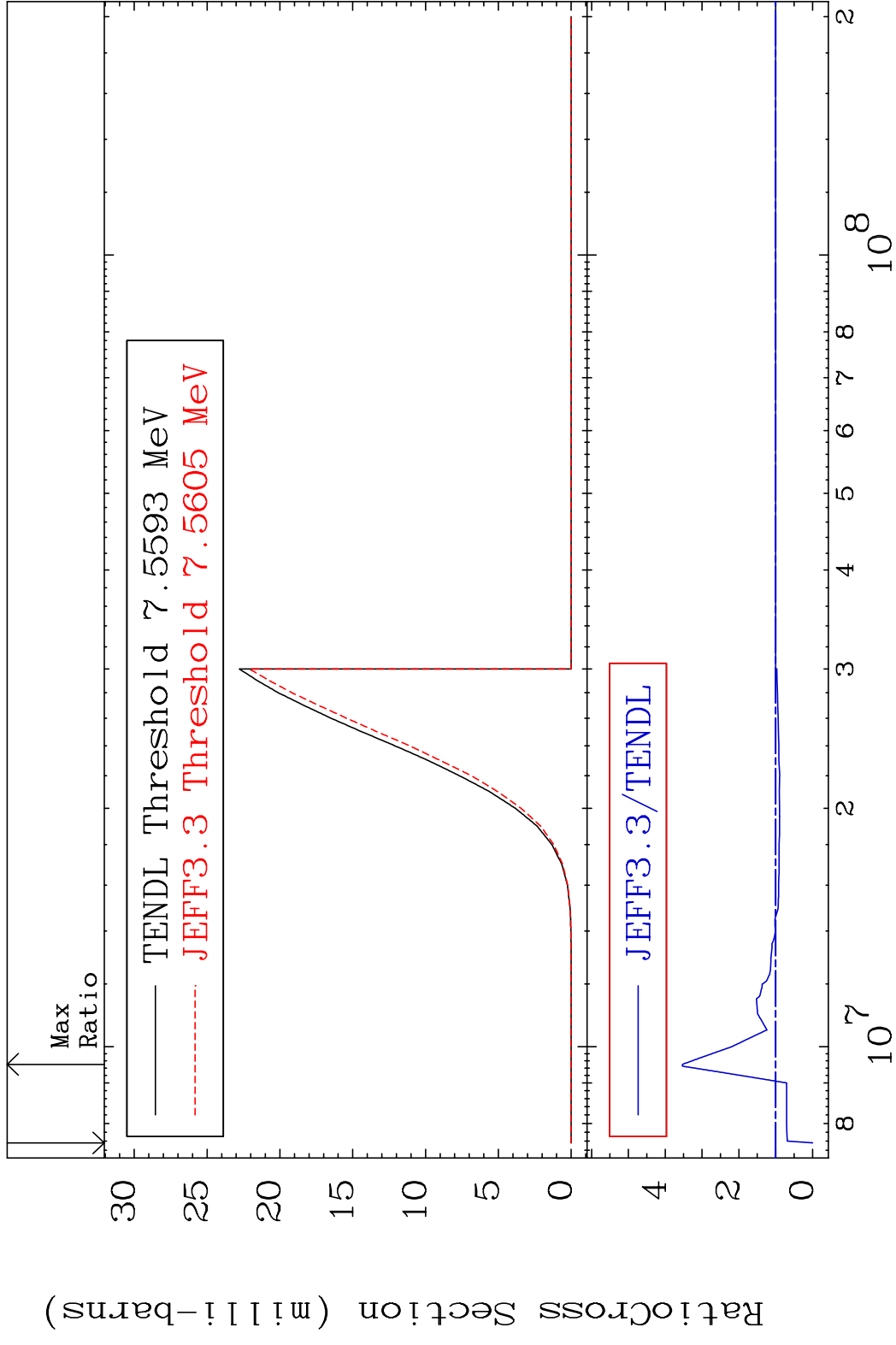


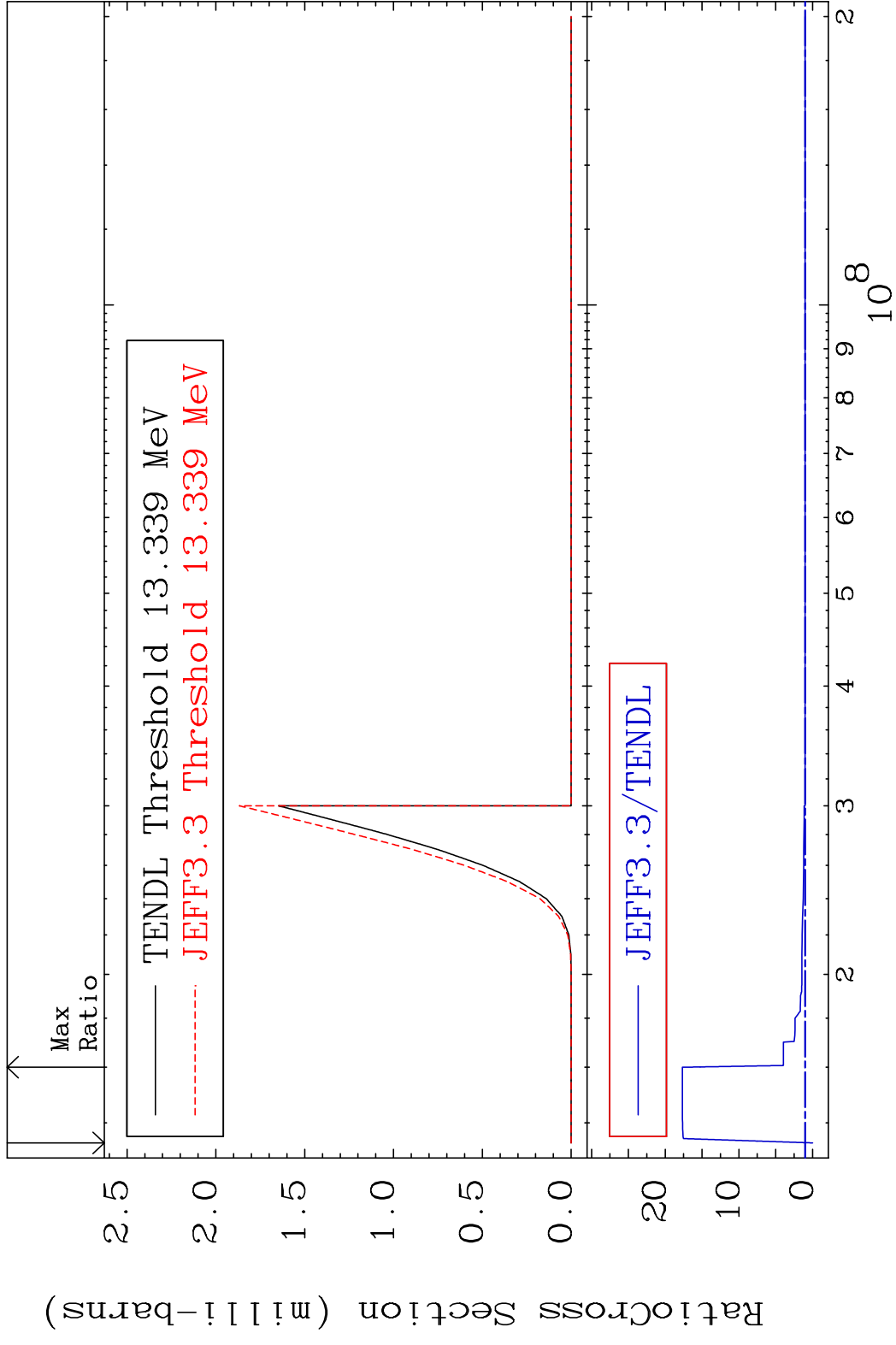


MAT 6840 (n, n') p:67-Ho-166g 68-Er-167  
 Radionuclide Production Cross Section 134.7 %

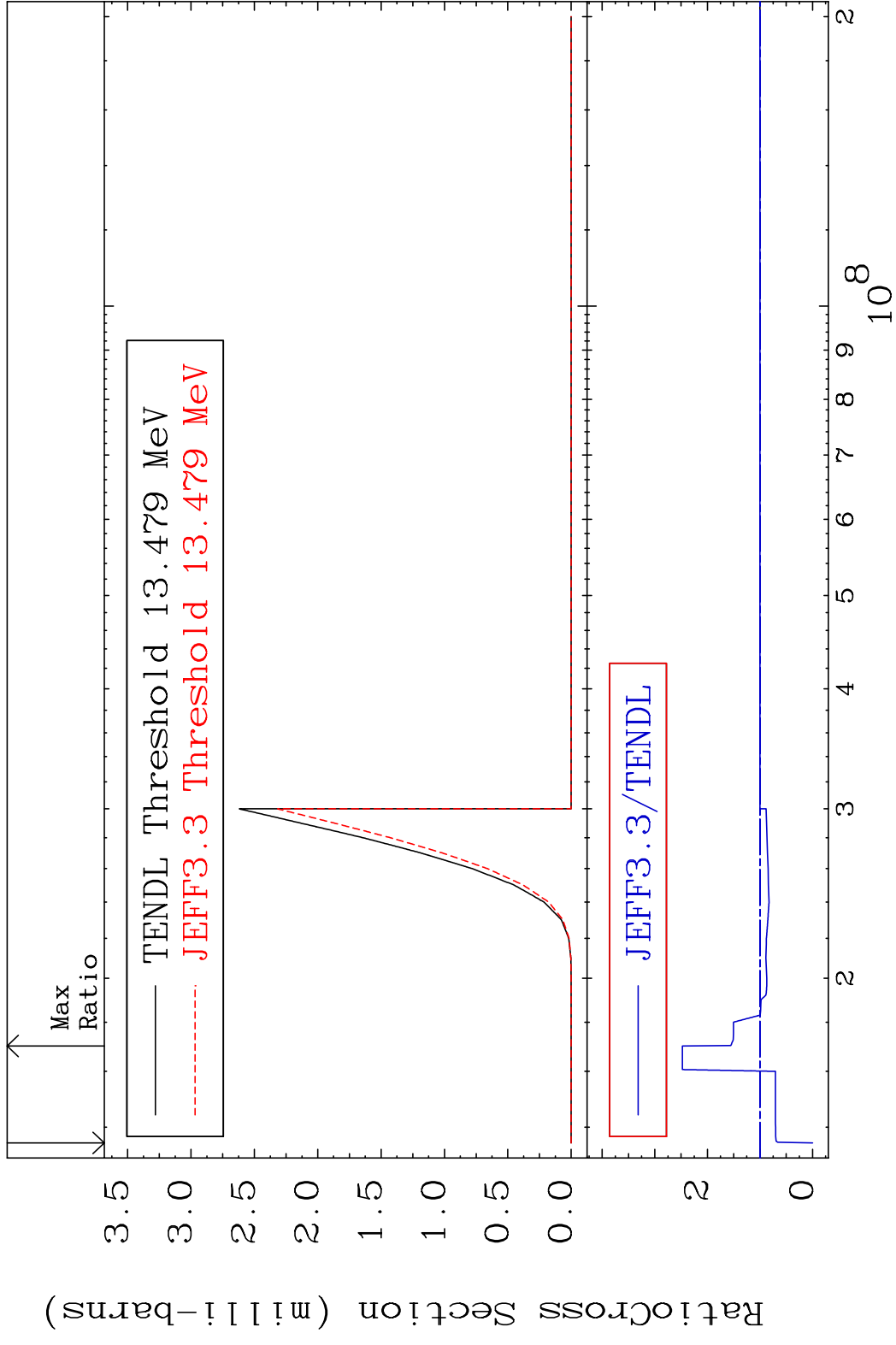


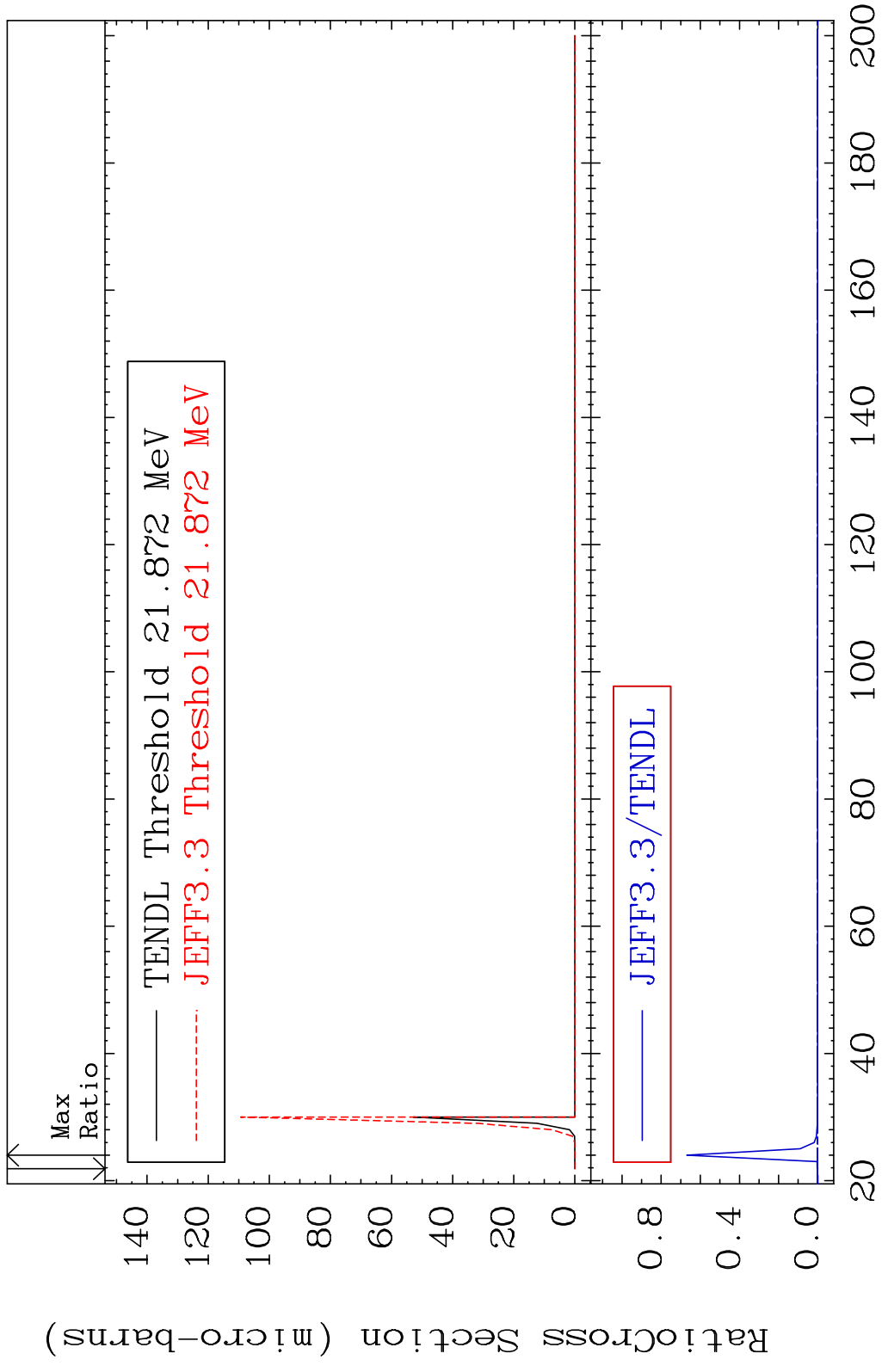
80 Incident Energy (eV) 68-Er-167

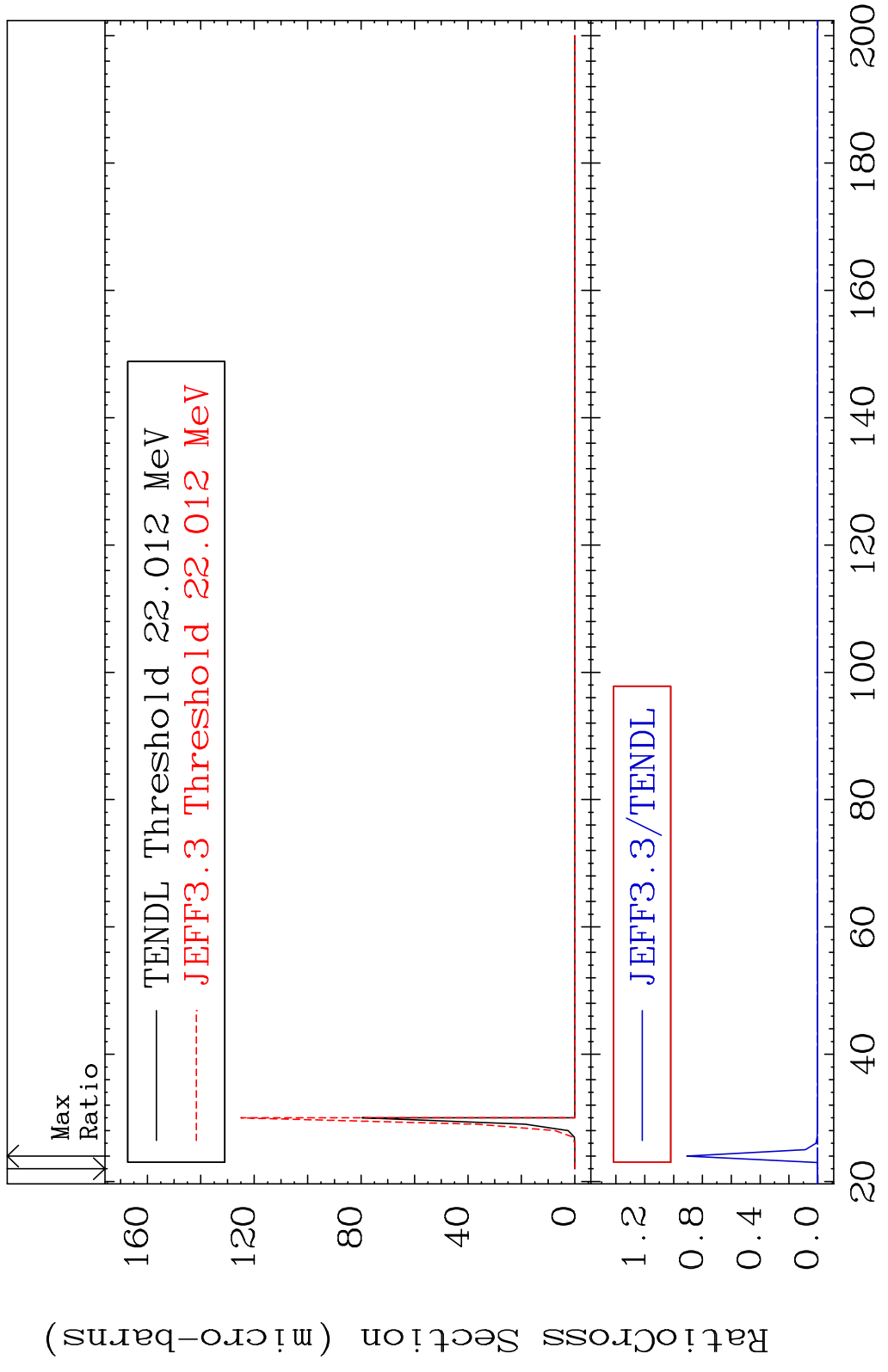


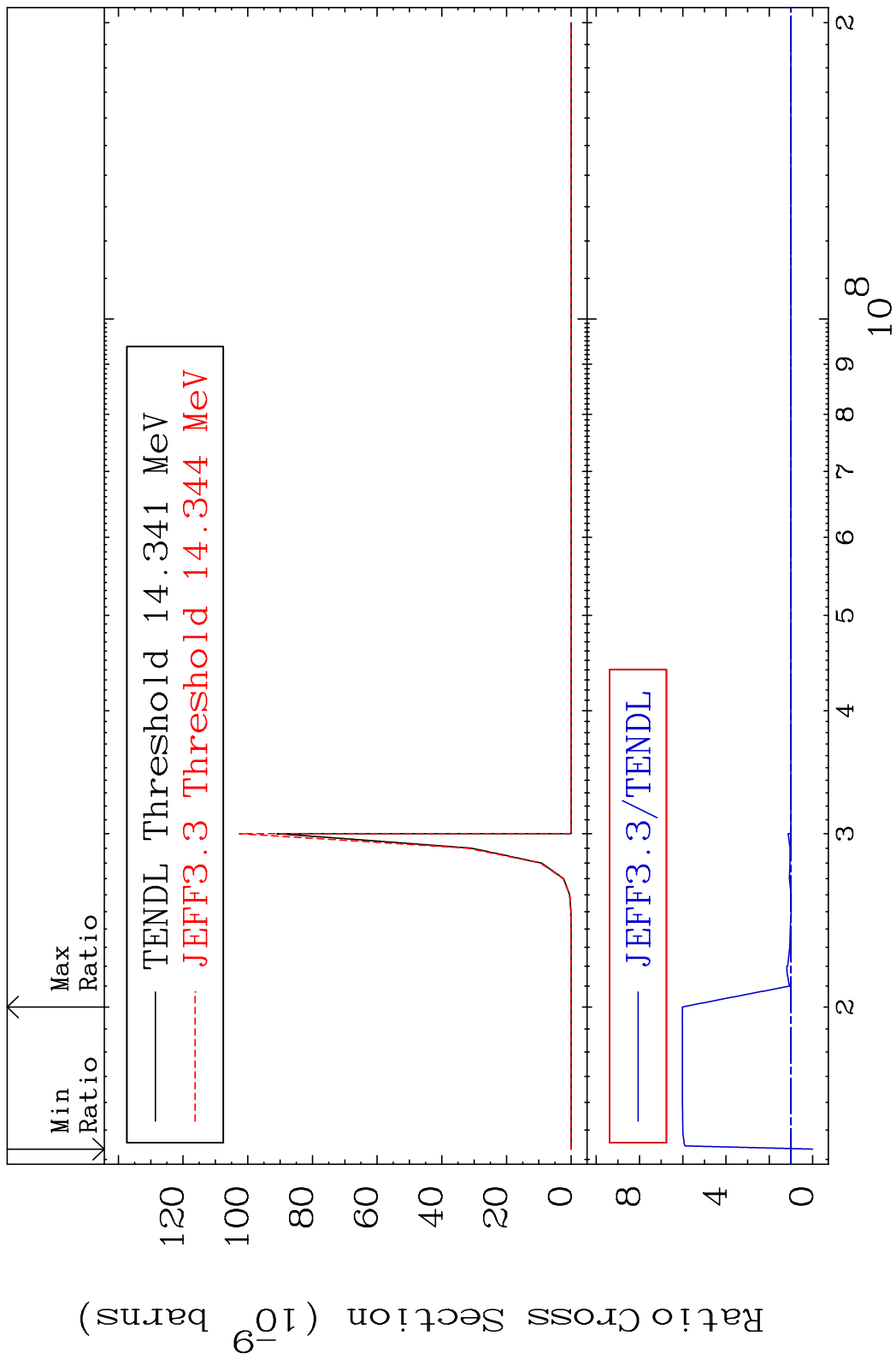


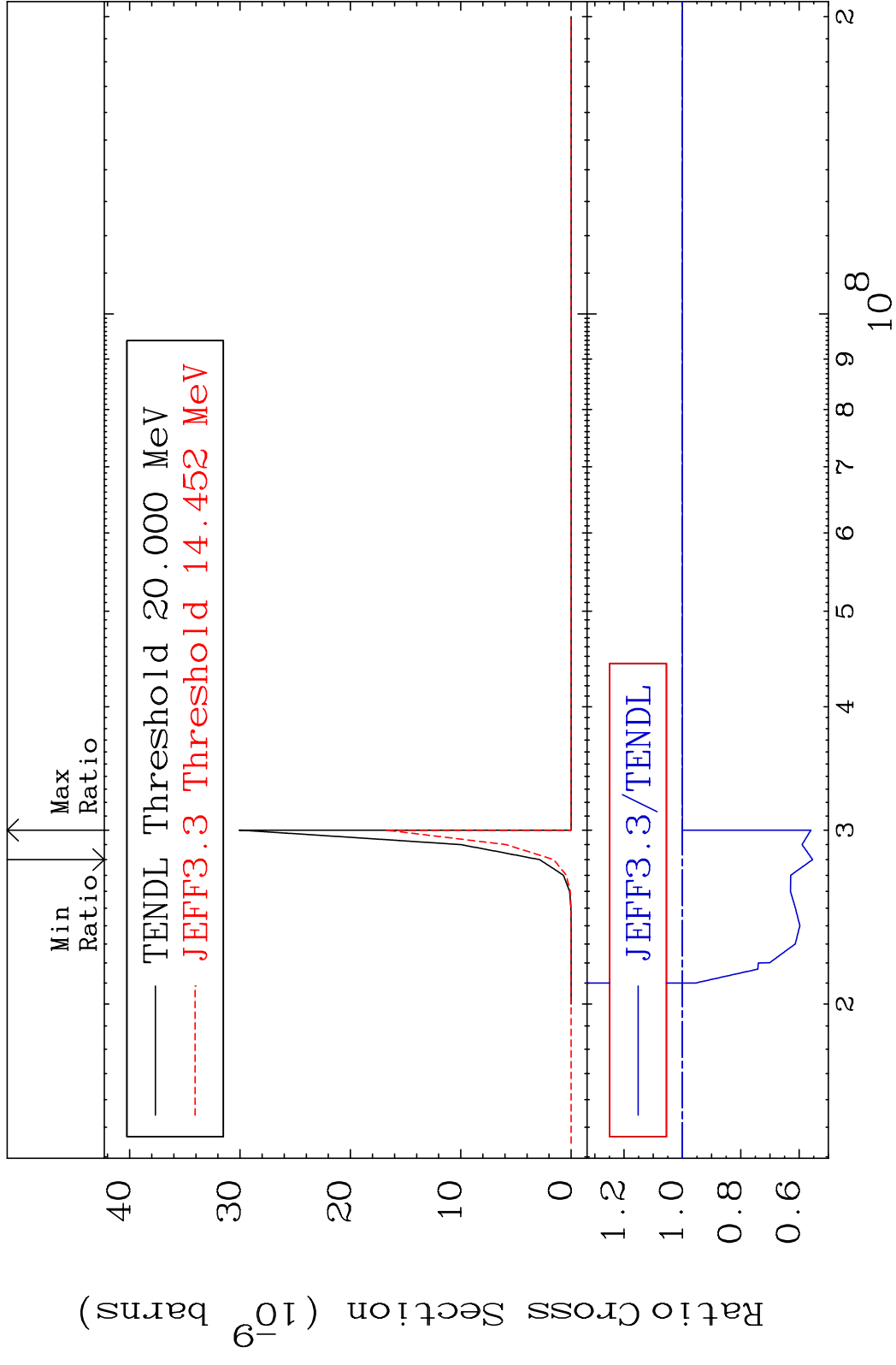
MAT 6840 (n, n') t:67-Ho-164m3 68-Er-167  
 Radionuclide Production Cross Section 180.0 dth 147.6 %





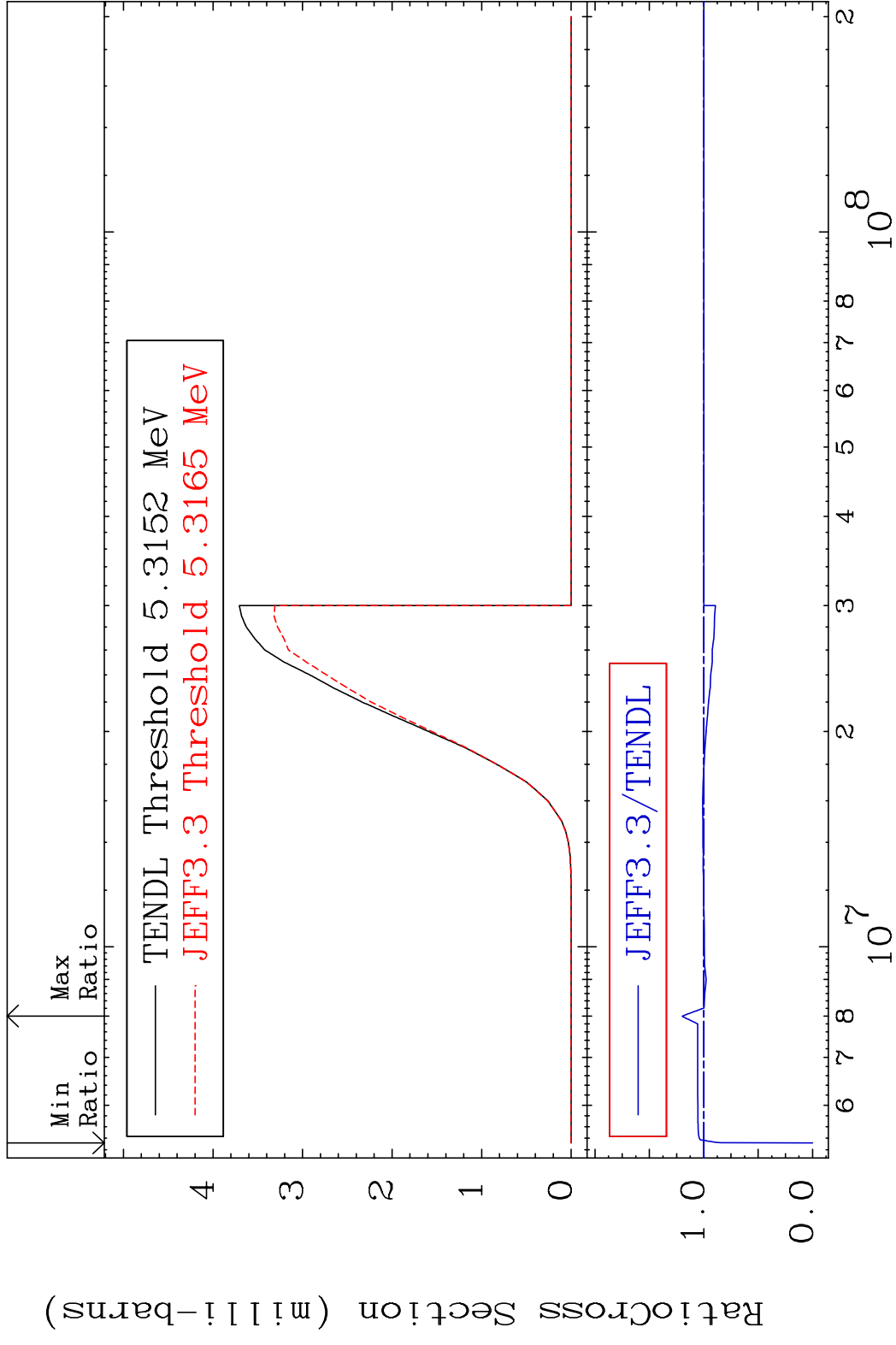


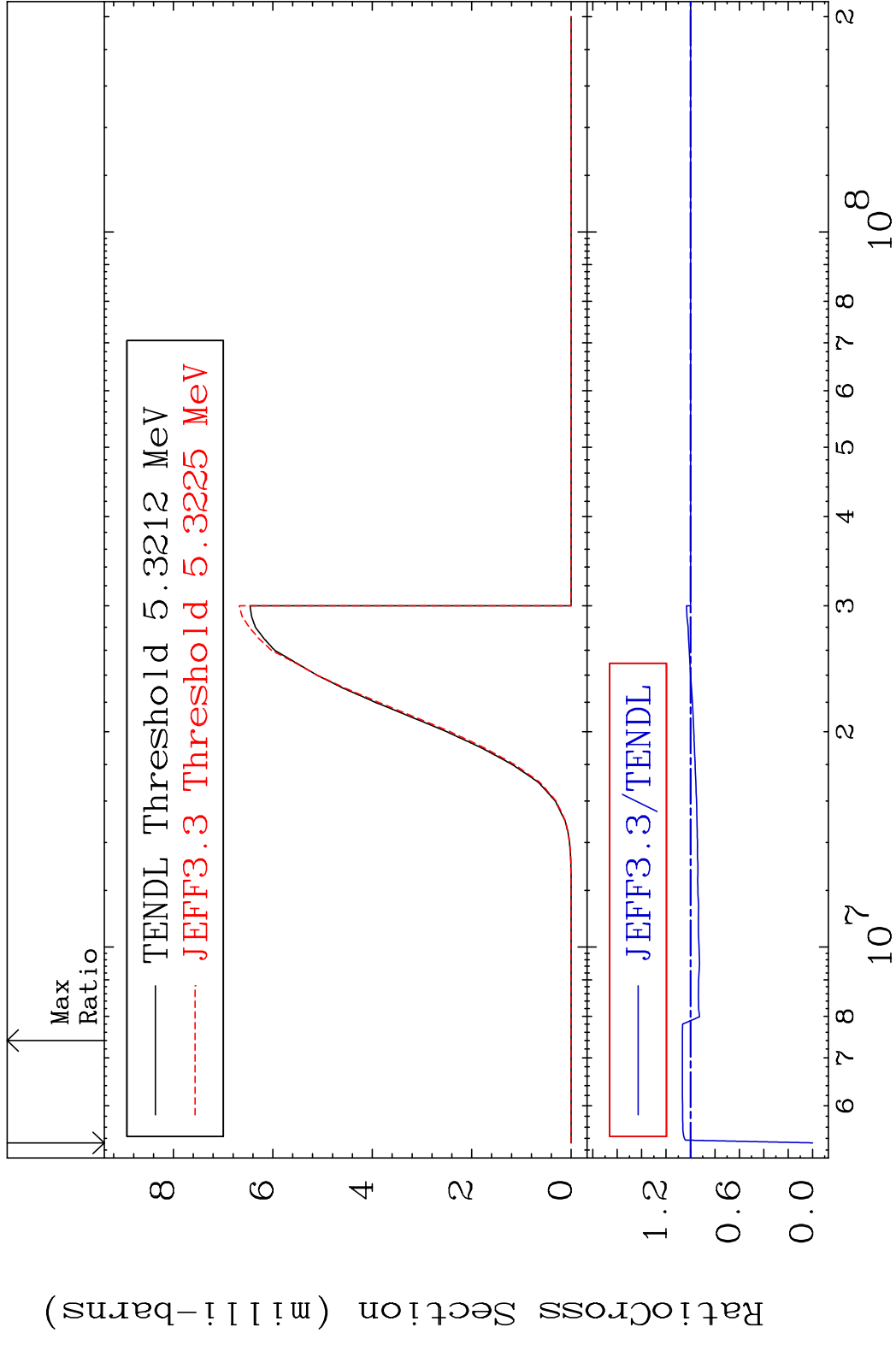




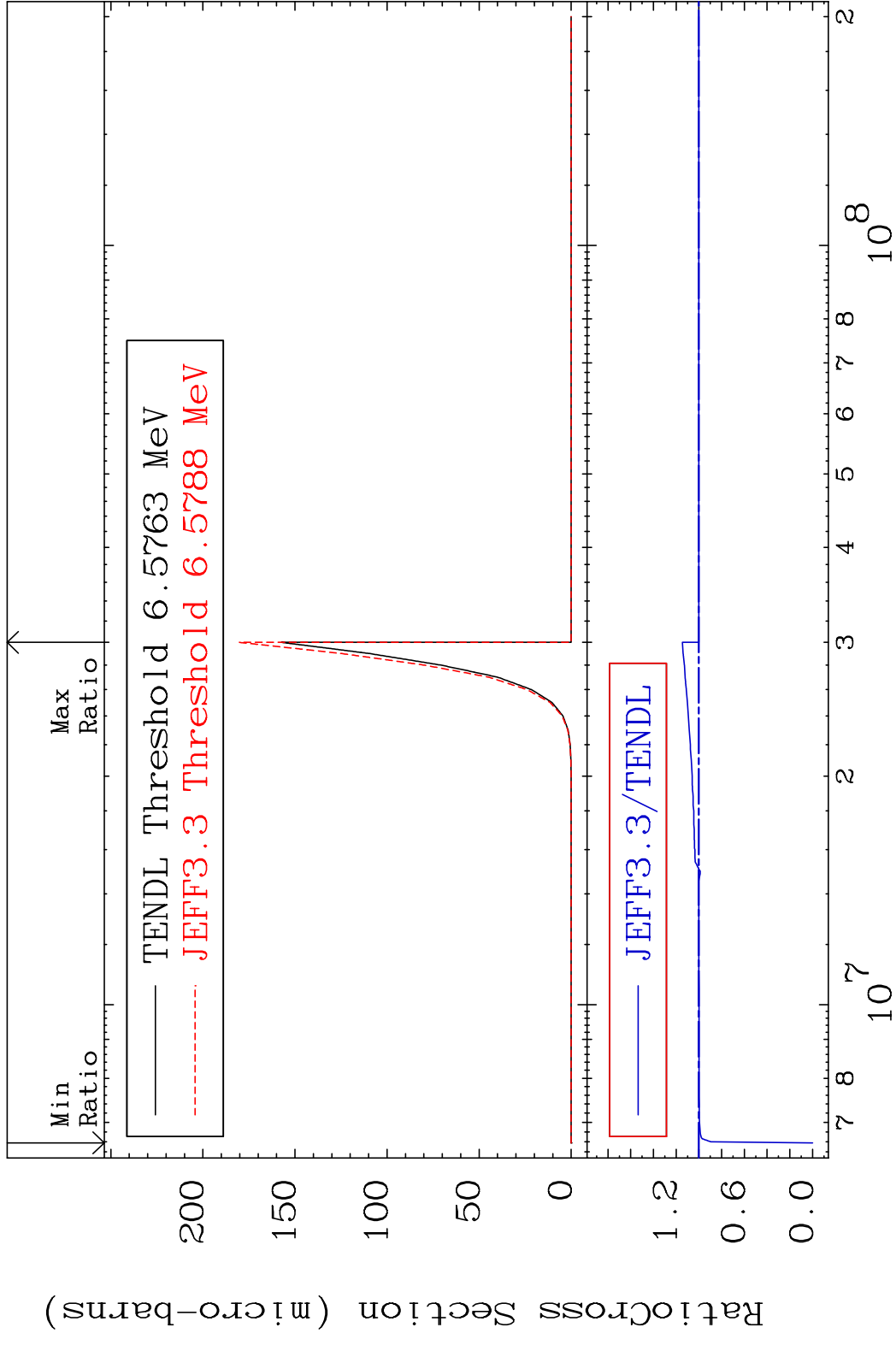


MAT 6840 (n, d):67-Ho-166g 68-Er-167  
 Radionuclide Production Cross Section 19.70 %





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



MAT 6840 (n, He-3) :66-Dy-165m2 68-Er-167  
 Radionuclide Production Cross Section Ratio 0.002 %

