

Program Complot  
(Version 2021-1)

by

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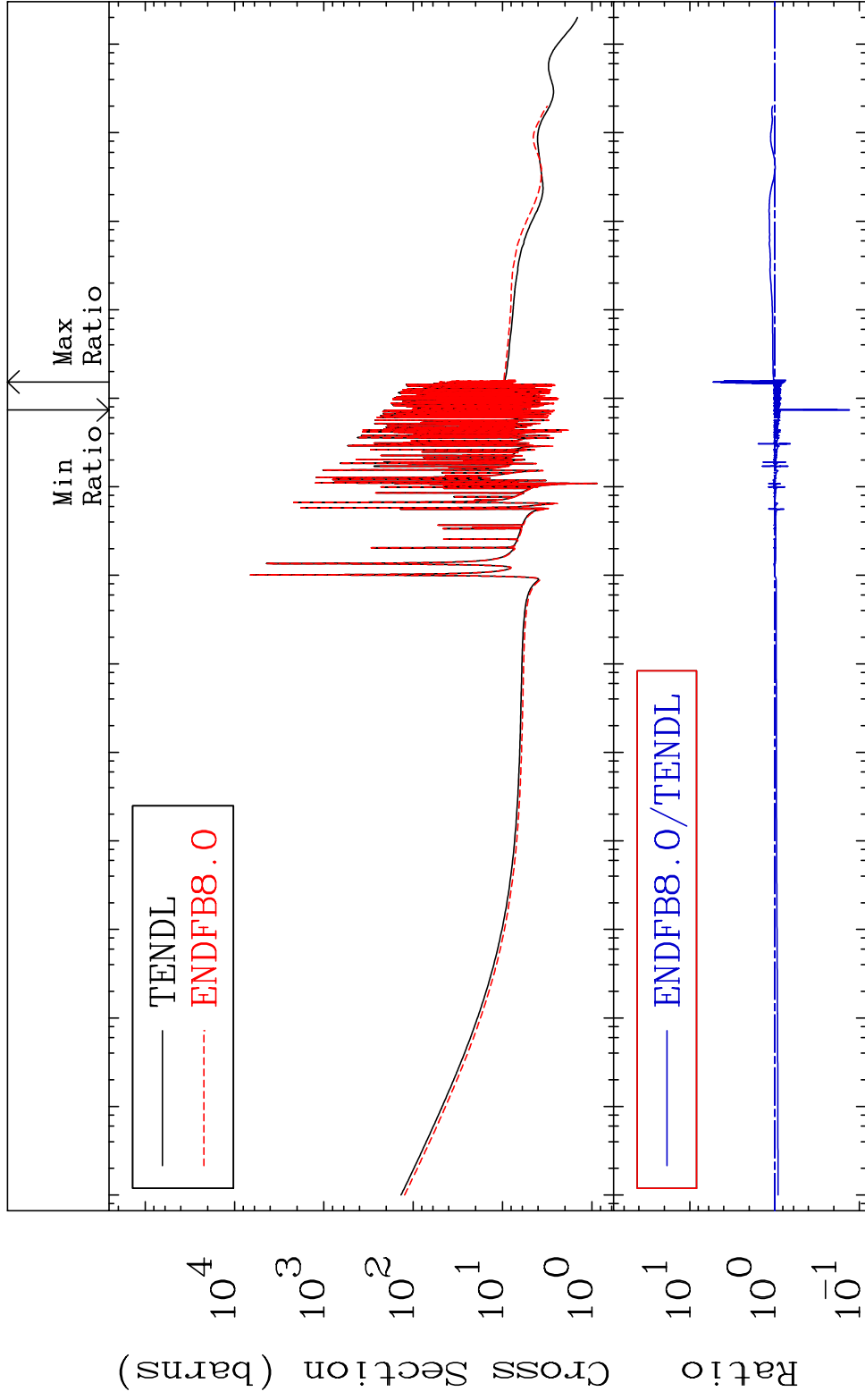
Press Mouse Button to Start

MAT 3531

Total

35-Br-81

Cross Section -86.85 To 431.8 %



1

Incident Energy (eV)

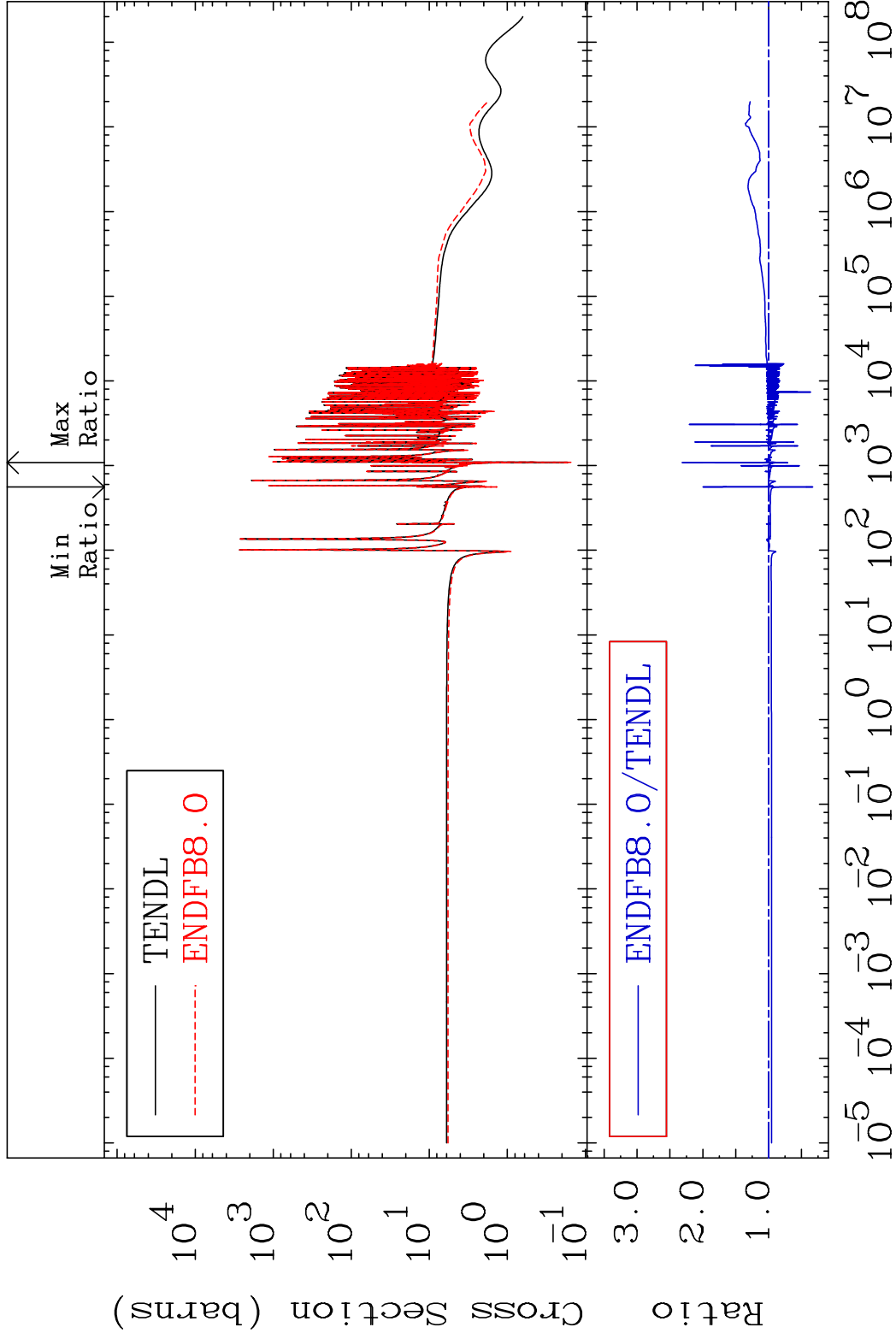
35-Br-81

MAT 3531

Elastic

35-Br-81

Cross Section -66.75 To 131.1 %

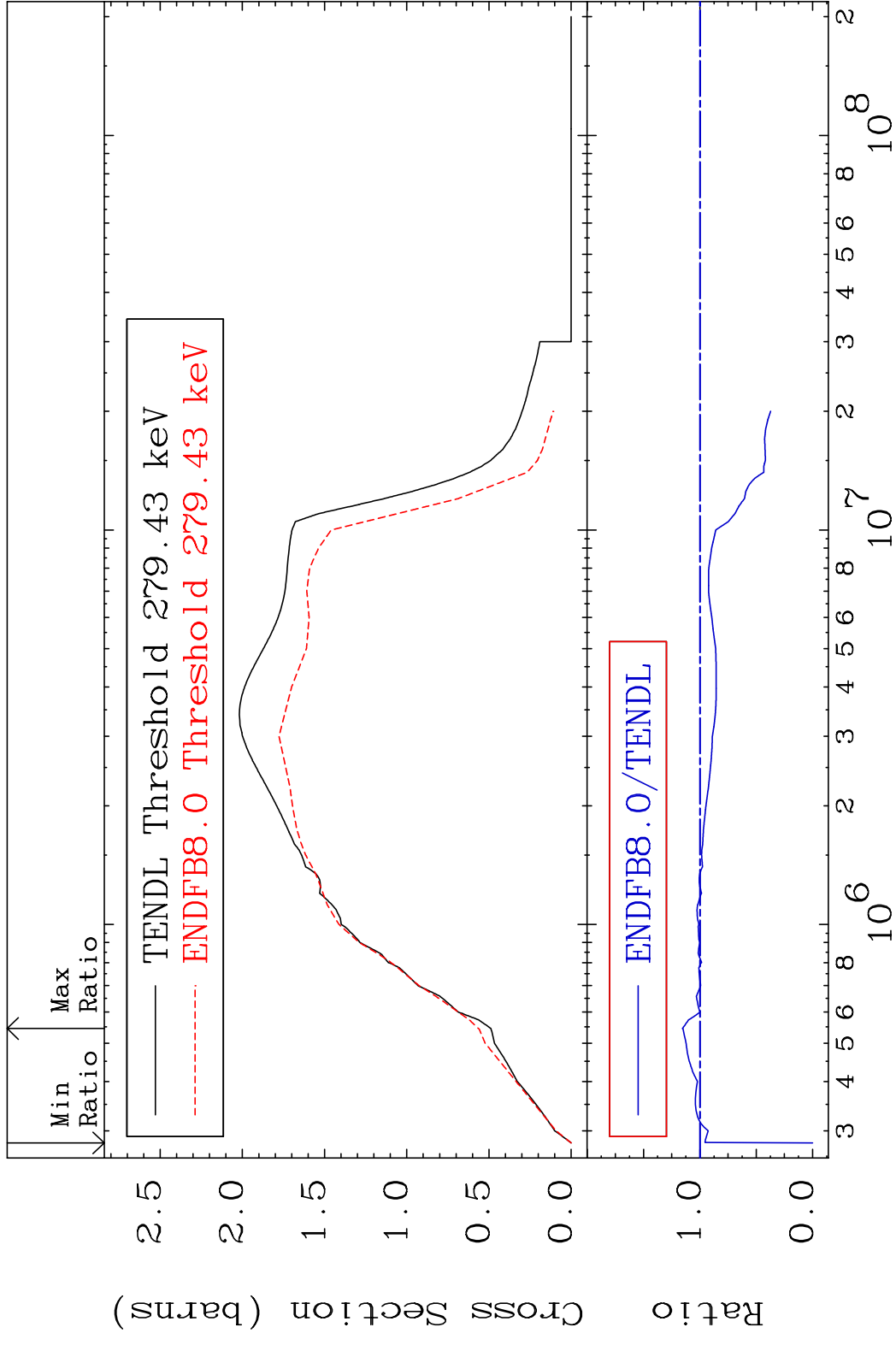


2

Incident Energy (eV)

35-Br-81

MAT 3531 Inelastic 35-Br-81  
 Cross Section -100.0 To 15.57 %



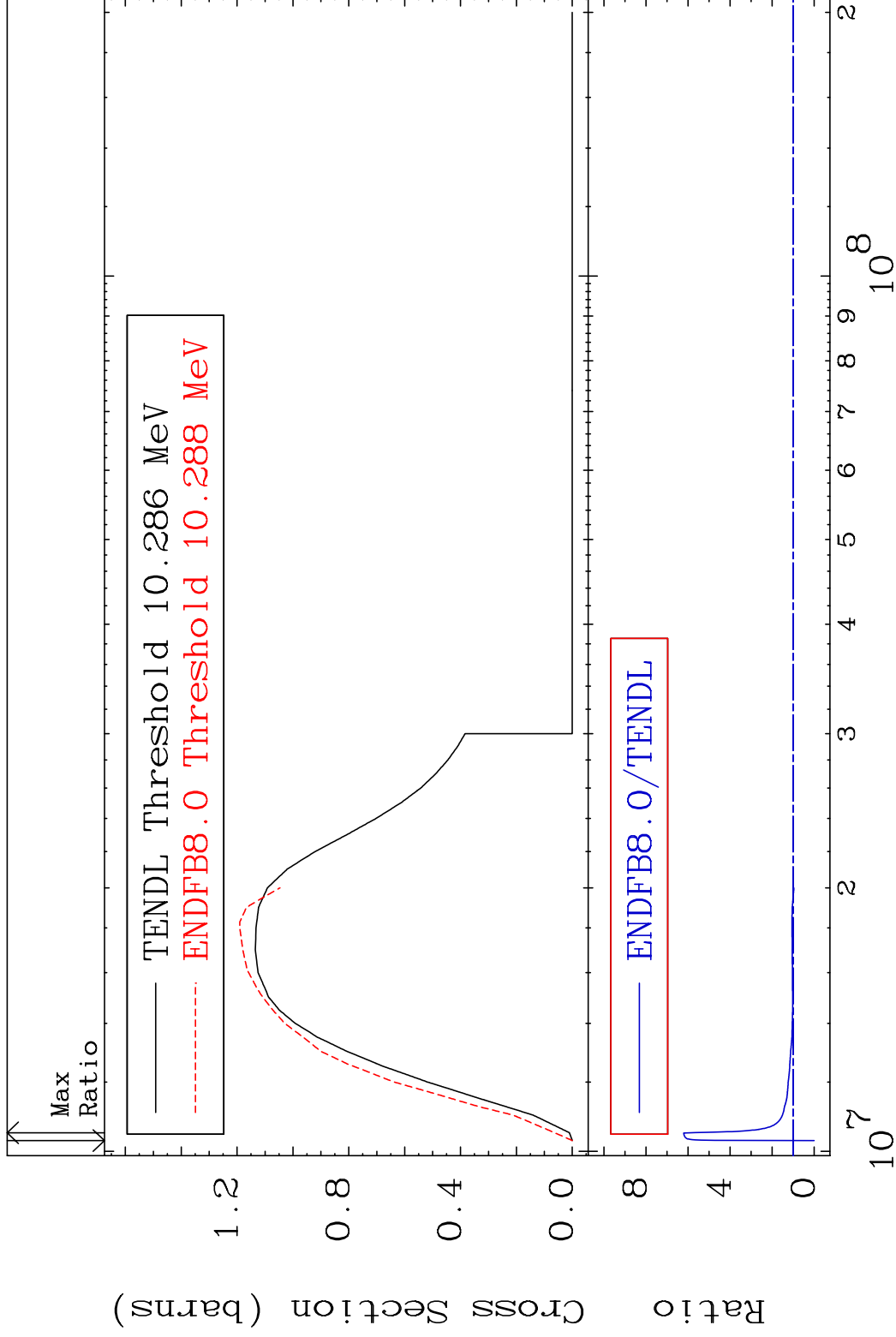
3 3 35-Br-81

MAT 3531

(n,2n)

35-Br-81

Cross Section -100.0 To 520.4 %



4

Incident Energy (eV)

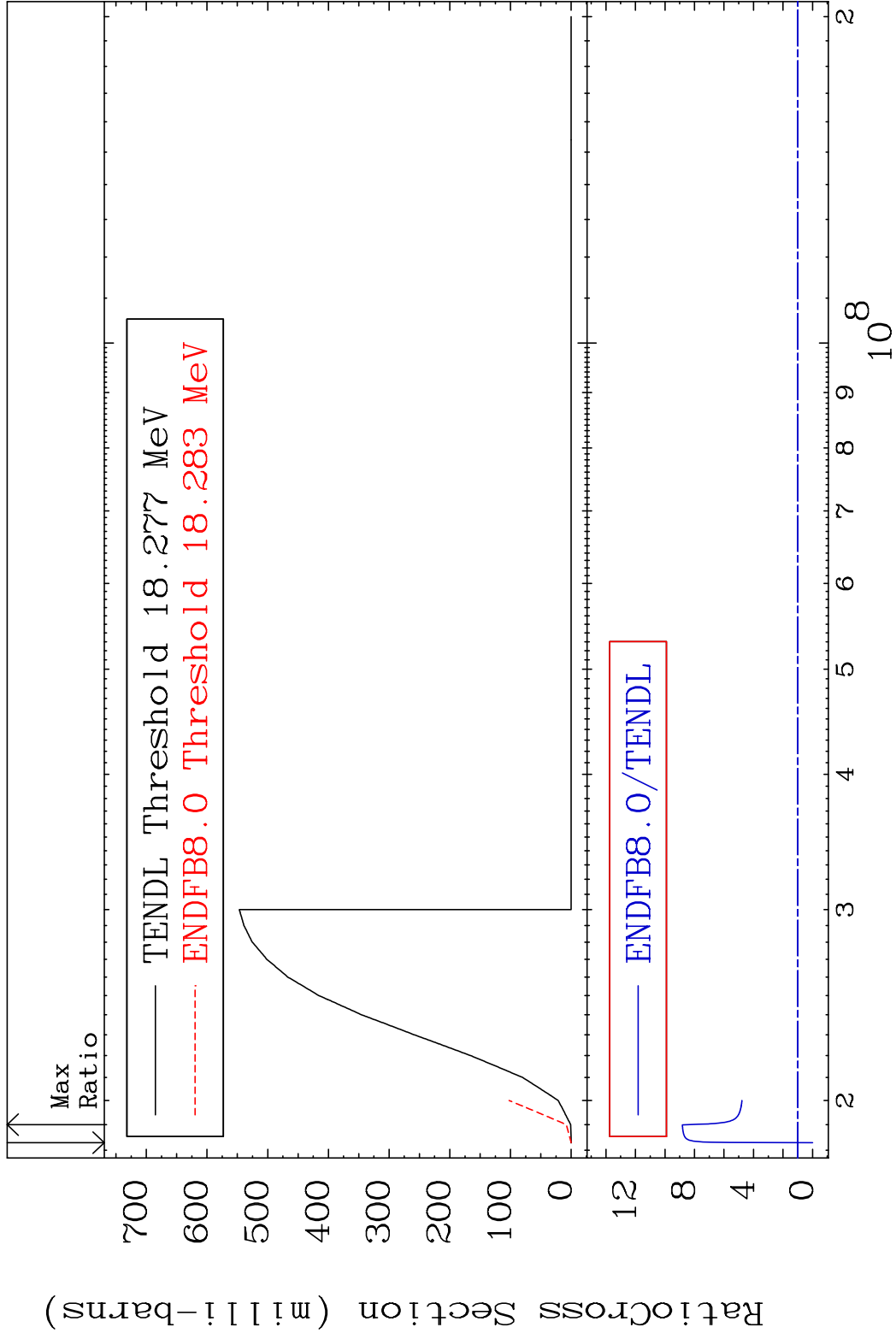
35-Br-81

MAT 3531

(n,3n)

35-Br-81

Cross Section -100.0 To 782.2 %



5

Incident Energy (eV)

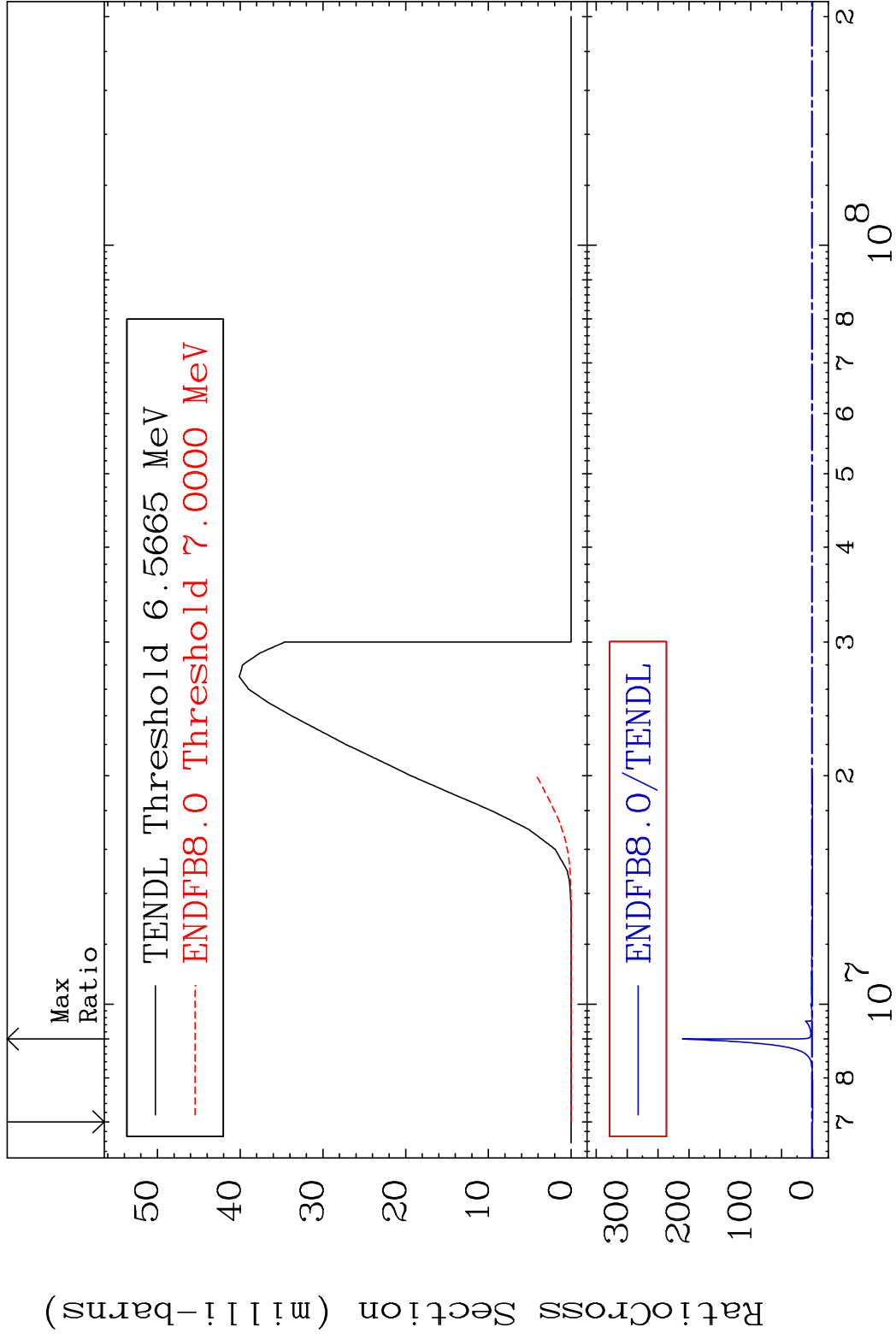
35-Br-81

MAT 3531

(n, n')  $\alpha$

35-Br-81

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

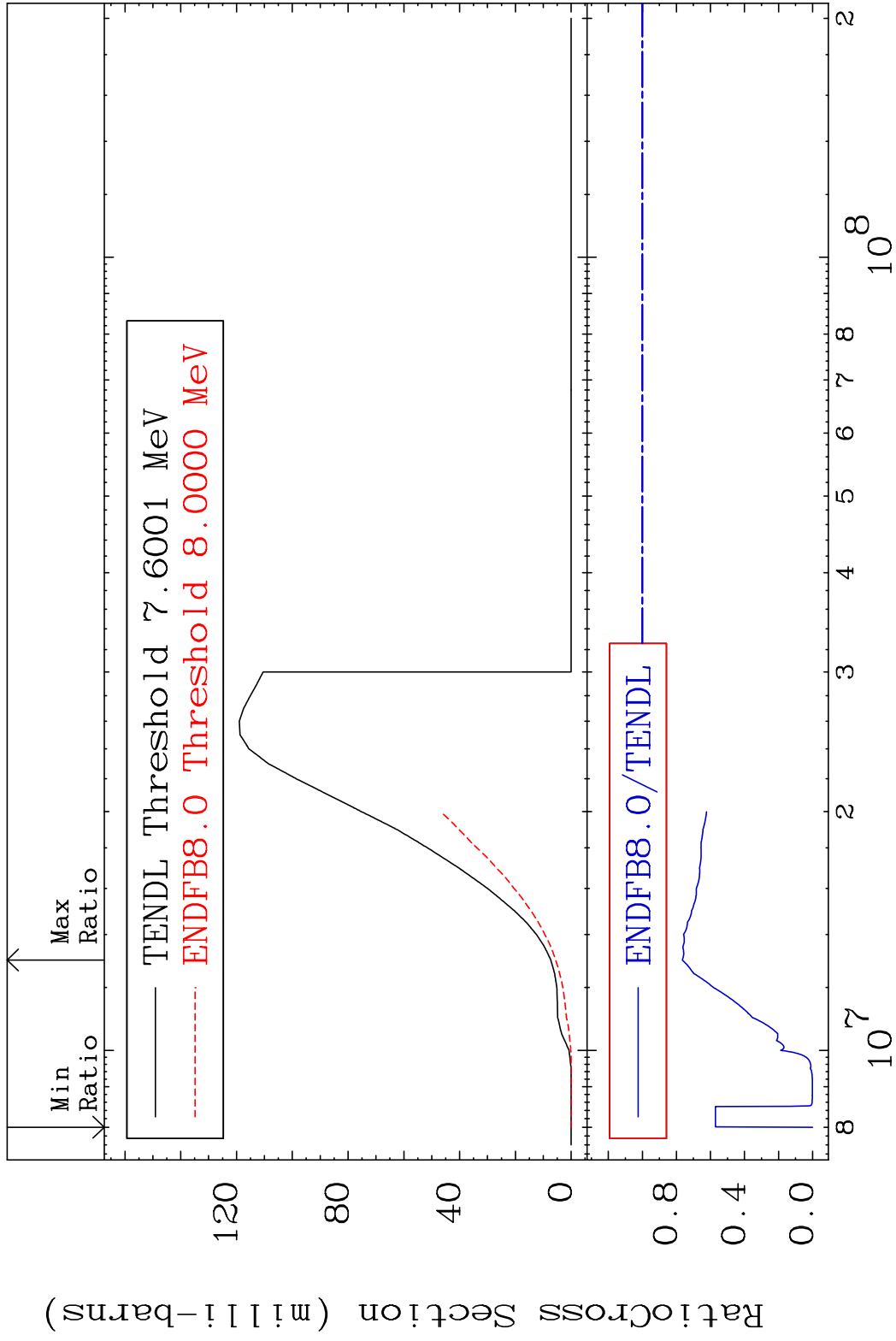
35-Br-81

MAT 3531

(n, n') p

35-Br-81

Cross Section -100.0 To -23.49%



7

Incident Energy (eV)

35-Br-81

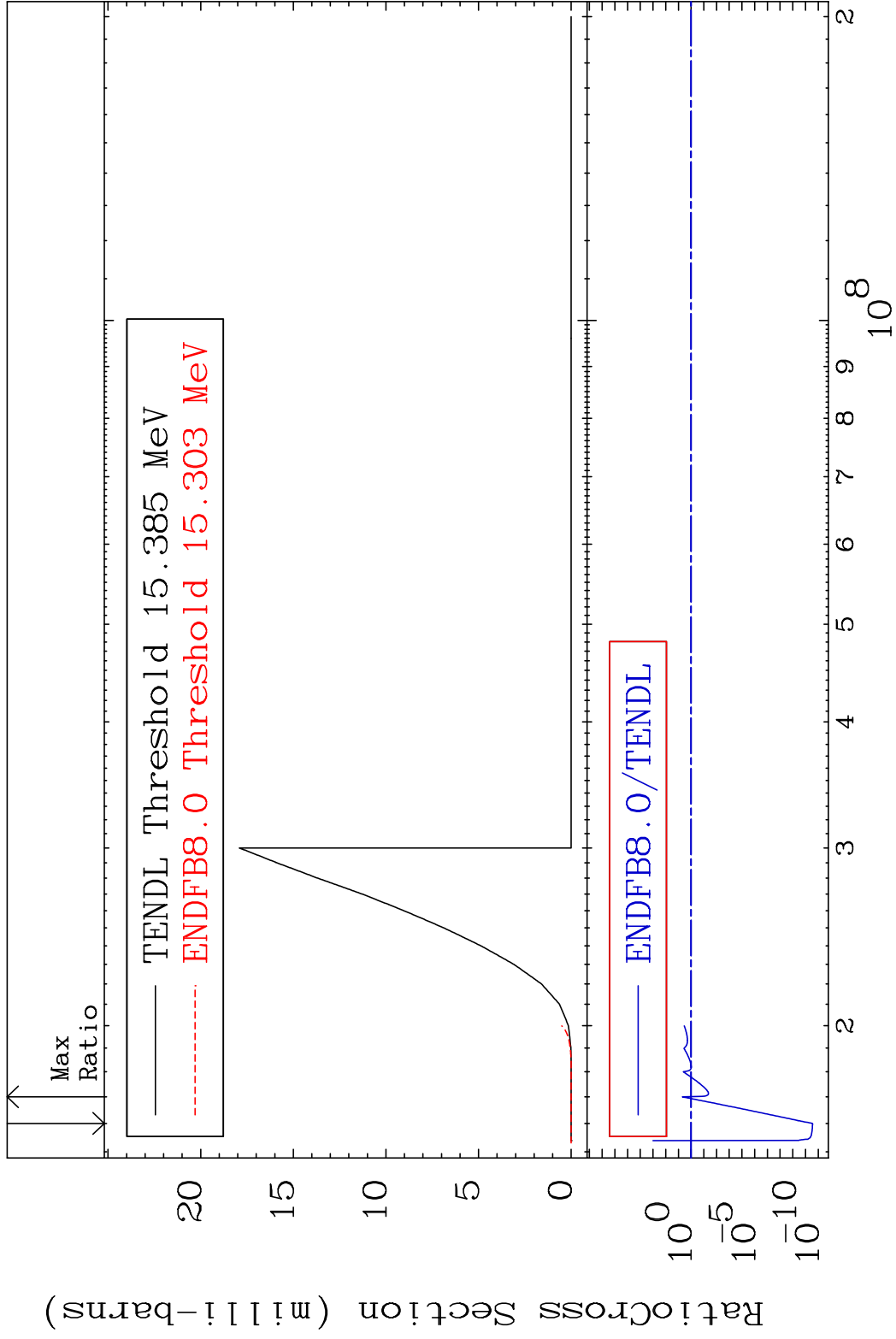


MAT 3531

(n, n') d

35-Br-81

Cross Section -100.0 To 388.6 %

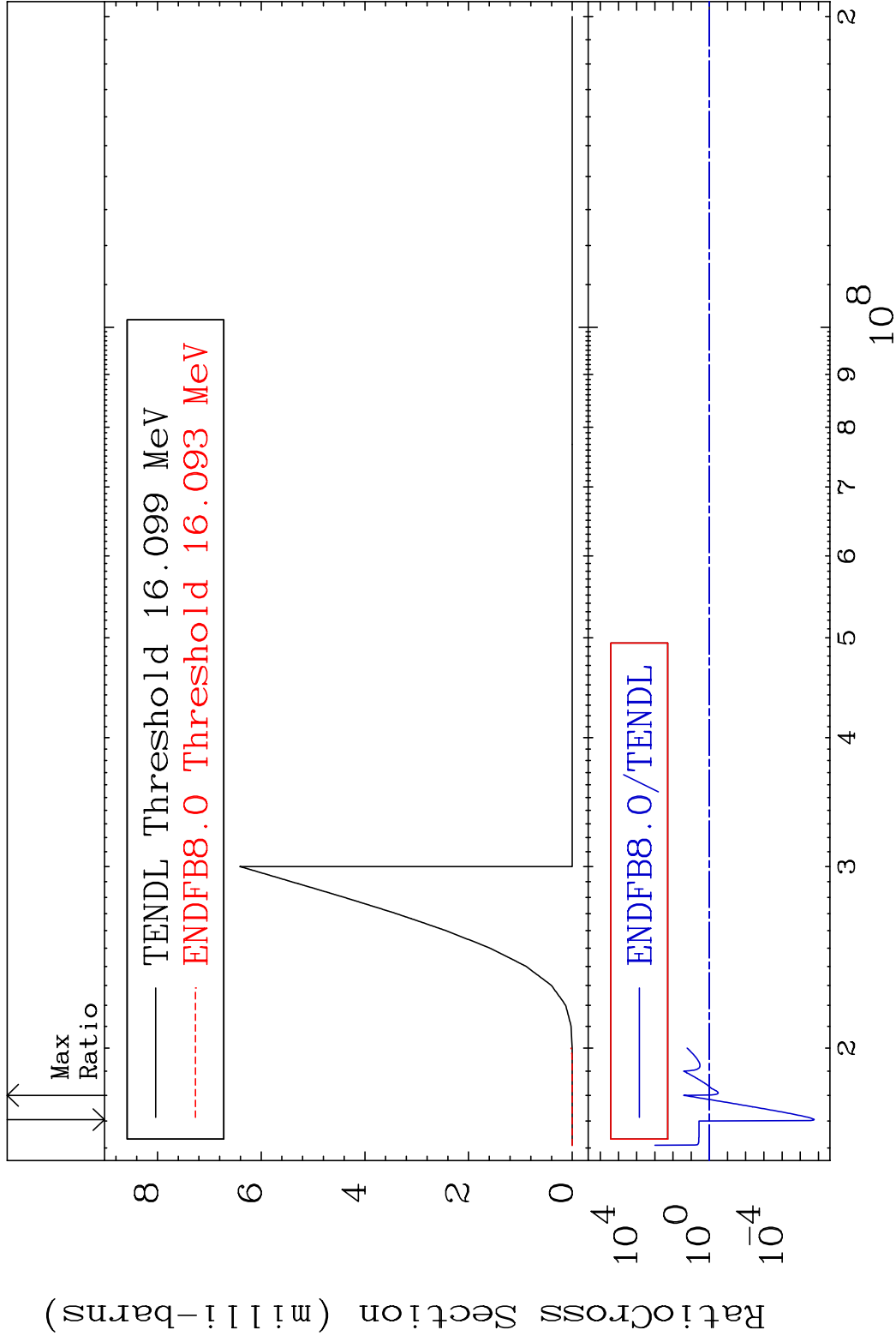


MAT 3531

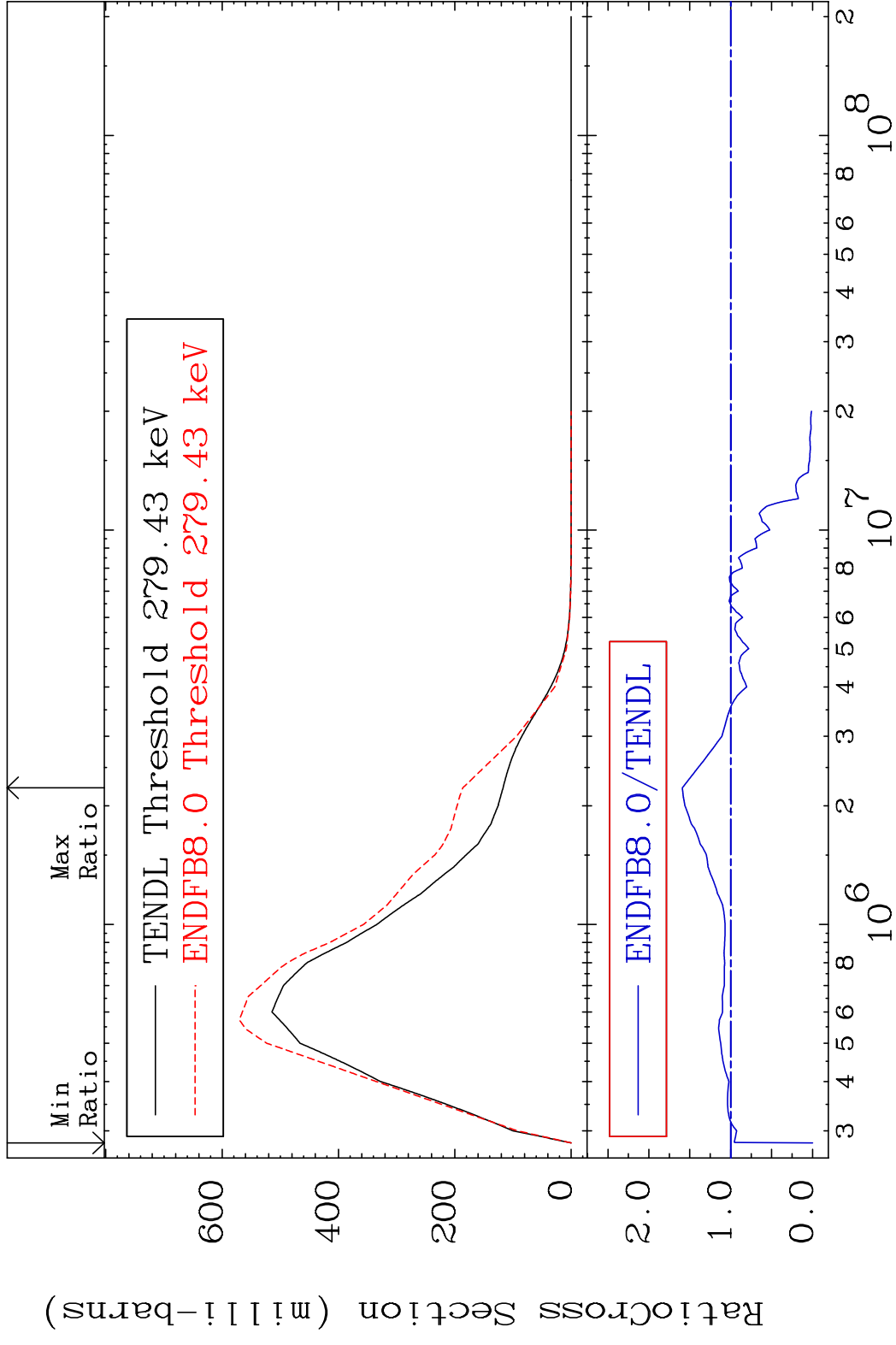
(n, n') t

35-Br-81

Cross Section -100.0 To 2494. %

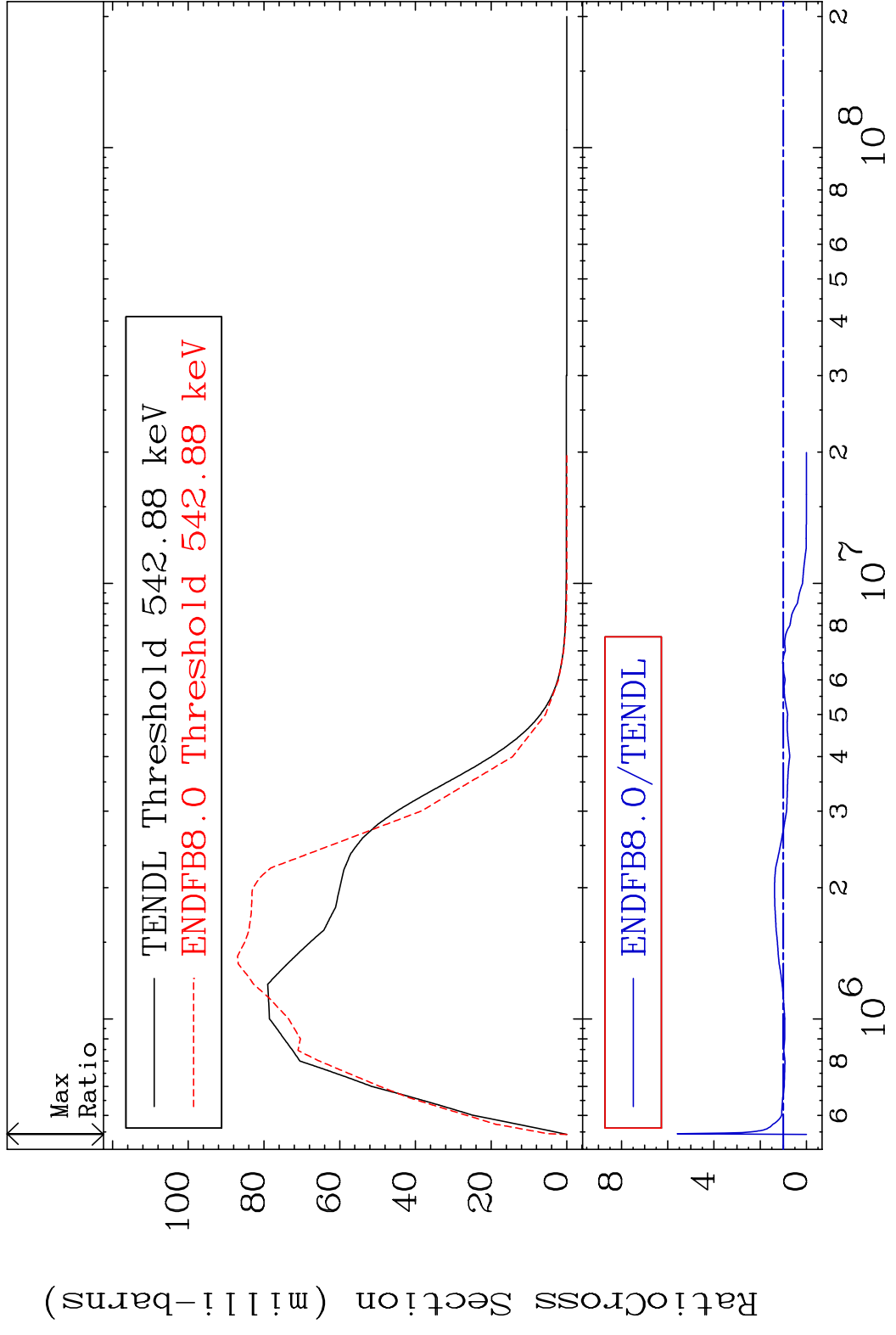


MAT 3531 MT= 51 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 59.08 %

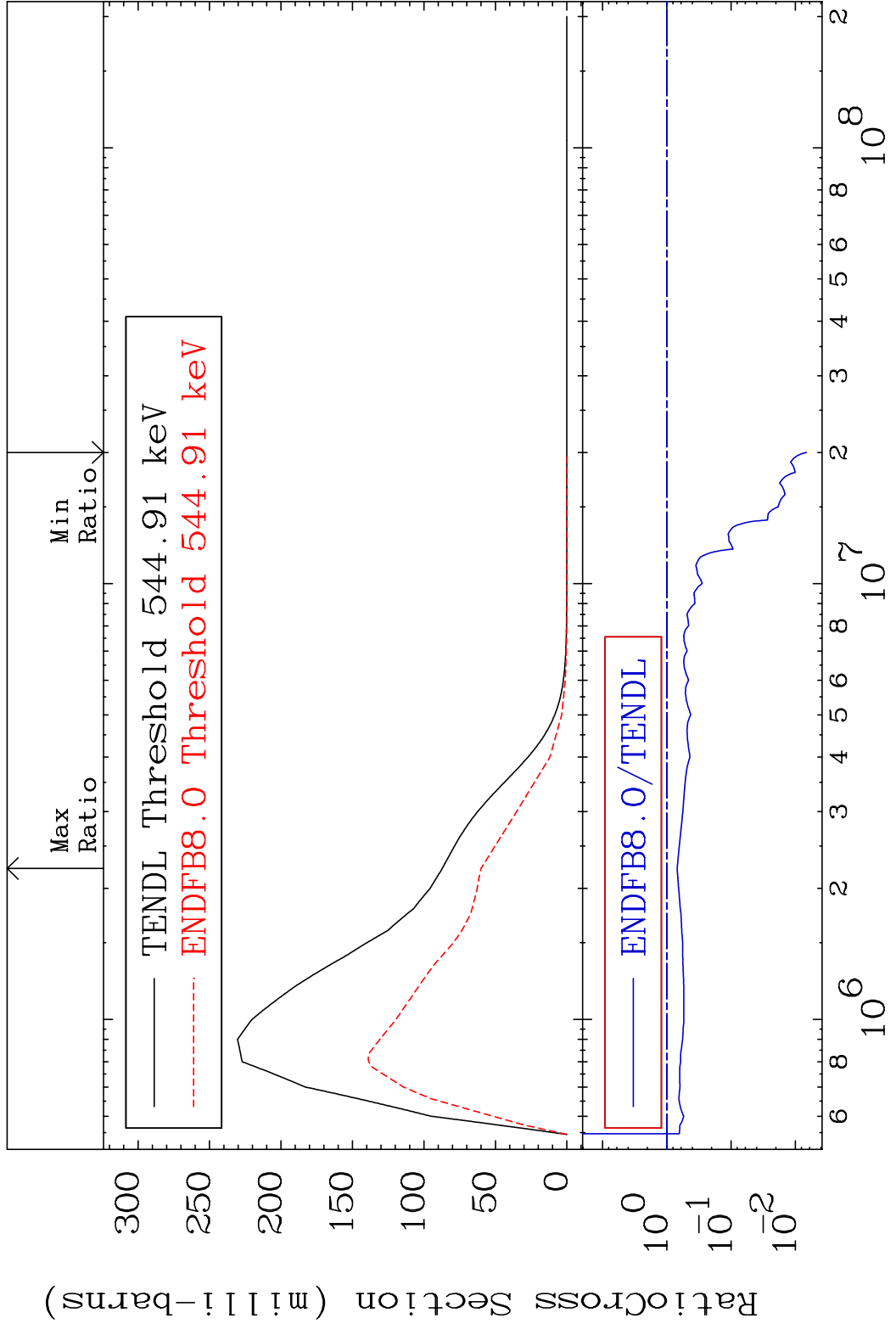


10 Incident Energy (eV) 35-Br-81

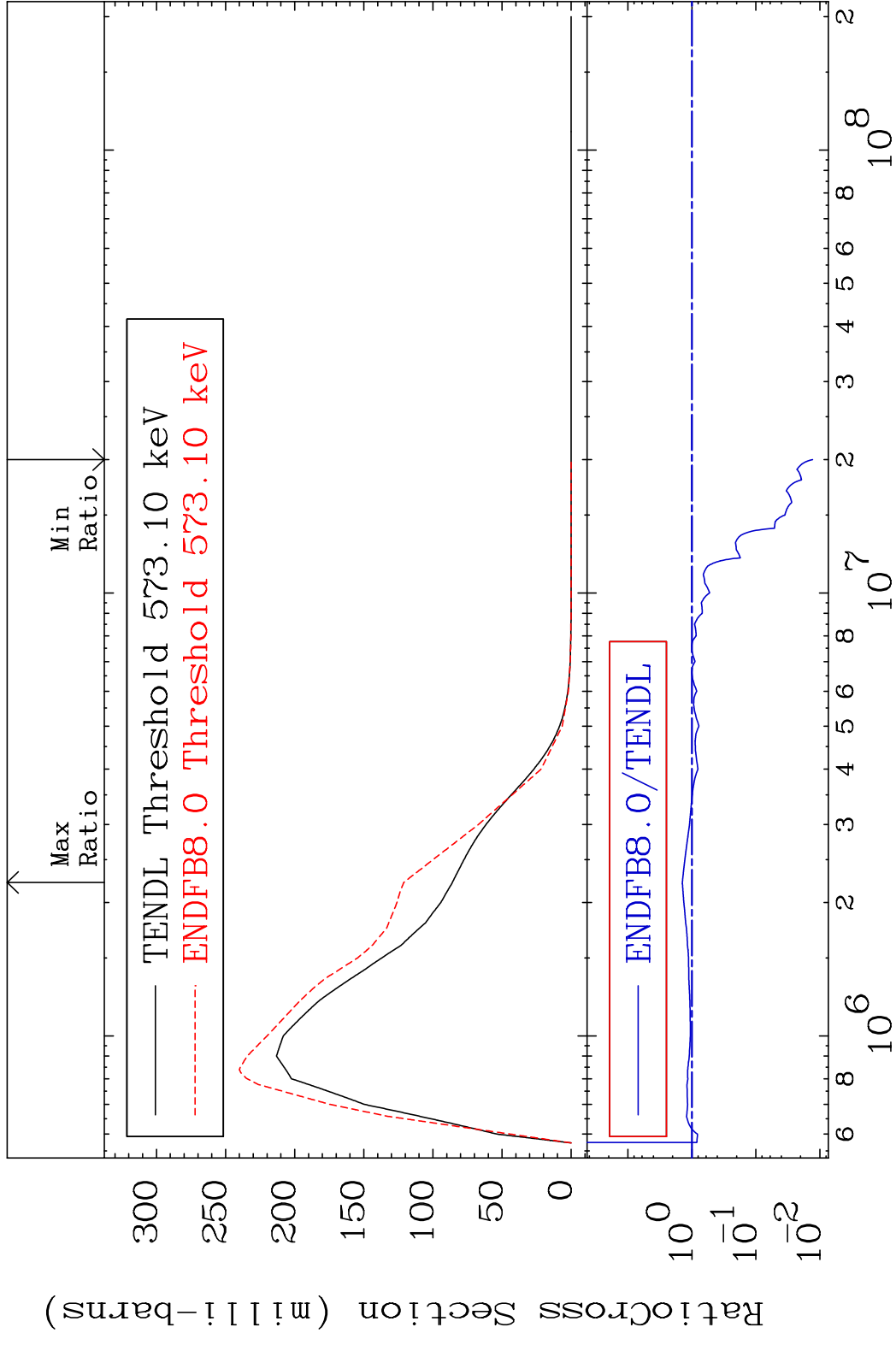
MAT 3531 MT= 52 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 459.0 %



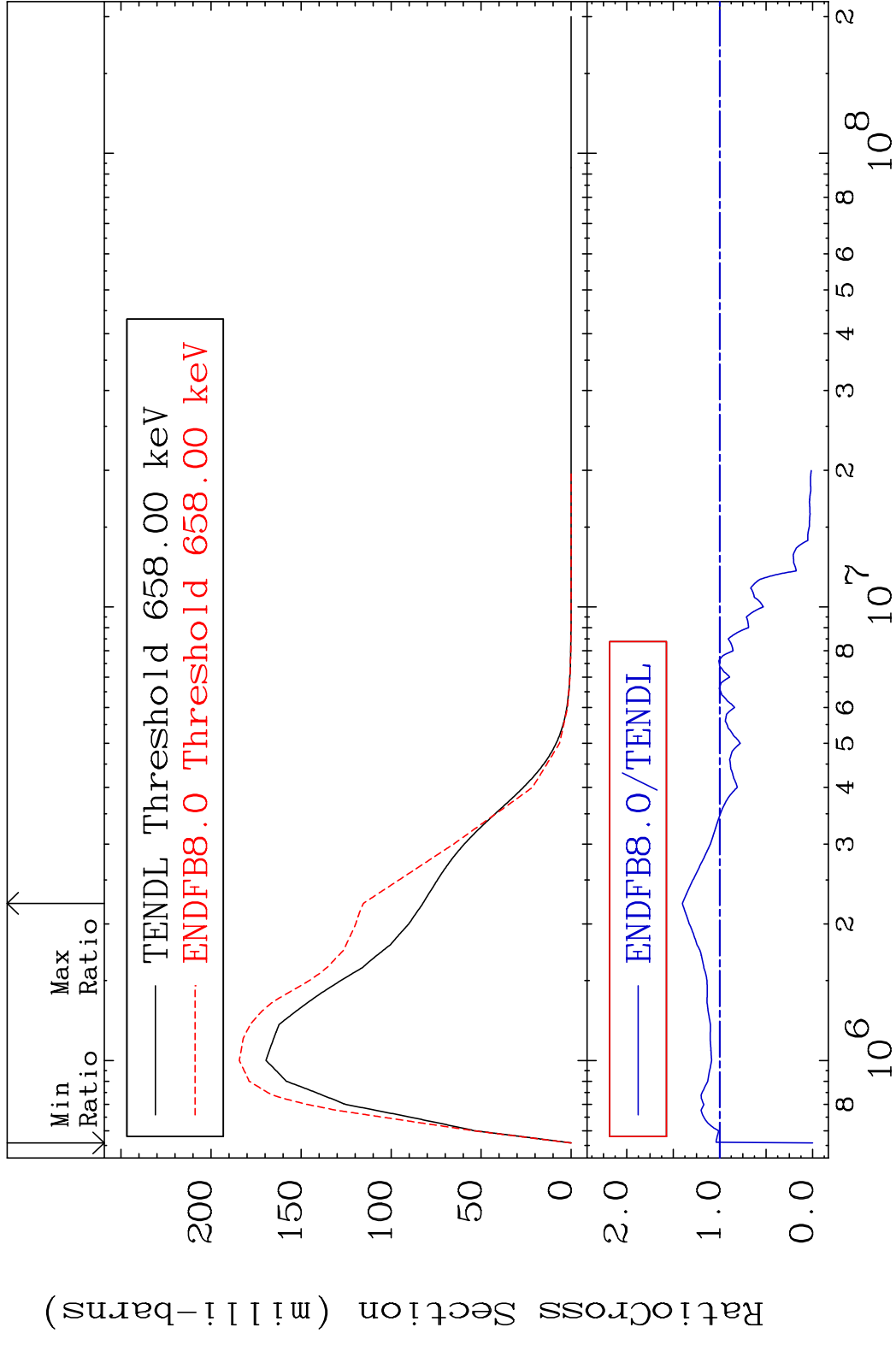
MAT 3531 MT= 53 (n, n') Level 35-Br-81  
 Cross Section -99.33 To -31.10%



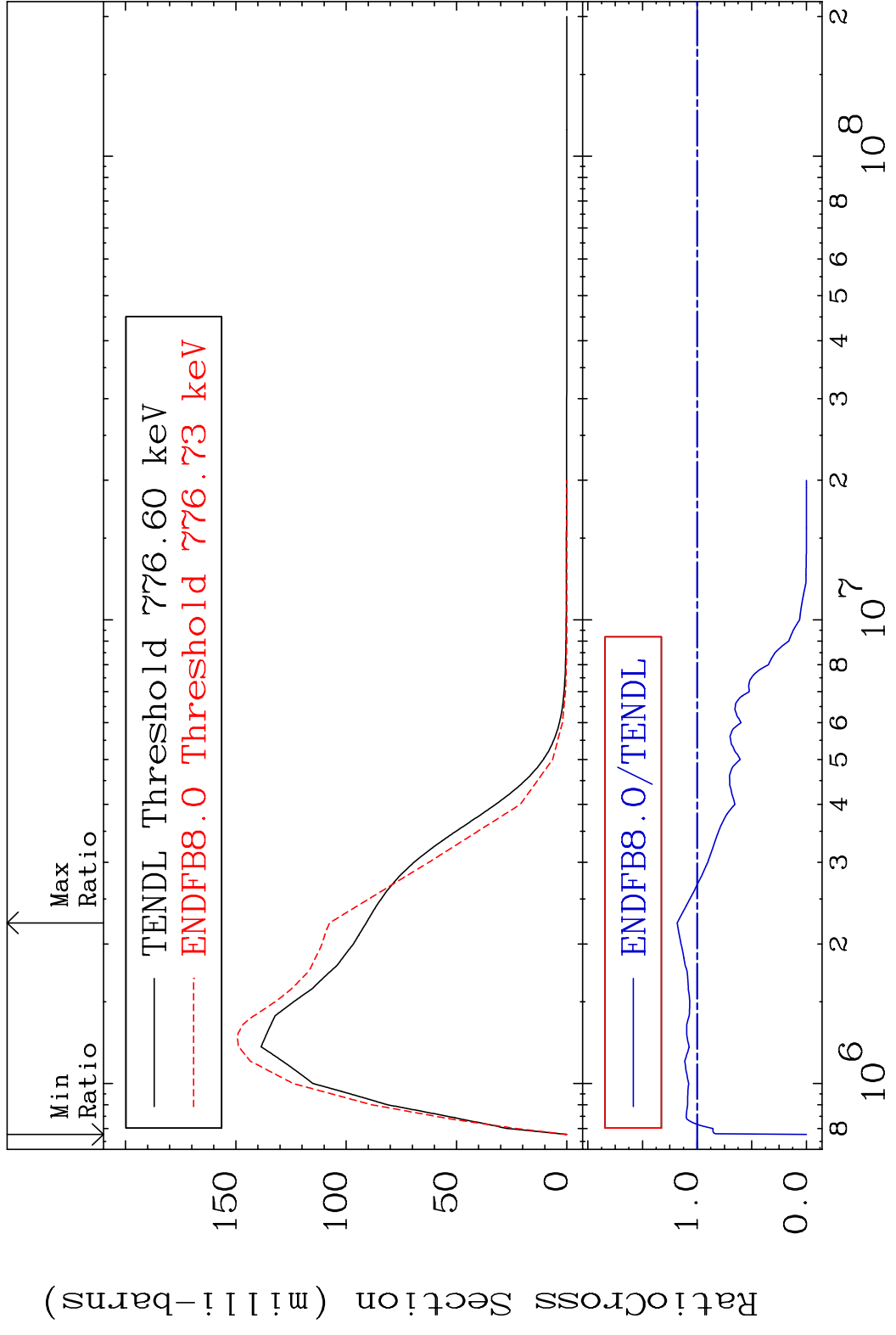
MAT 3531 MT= 54 (n, n') Level 35-Br-81  
 Cross Section -98.70 To 40.92 %



MAT 3531 MT= 55 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 40.18 %



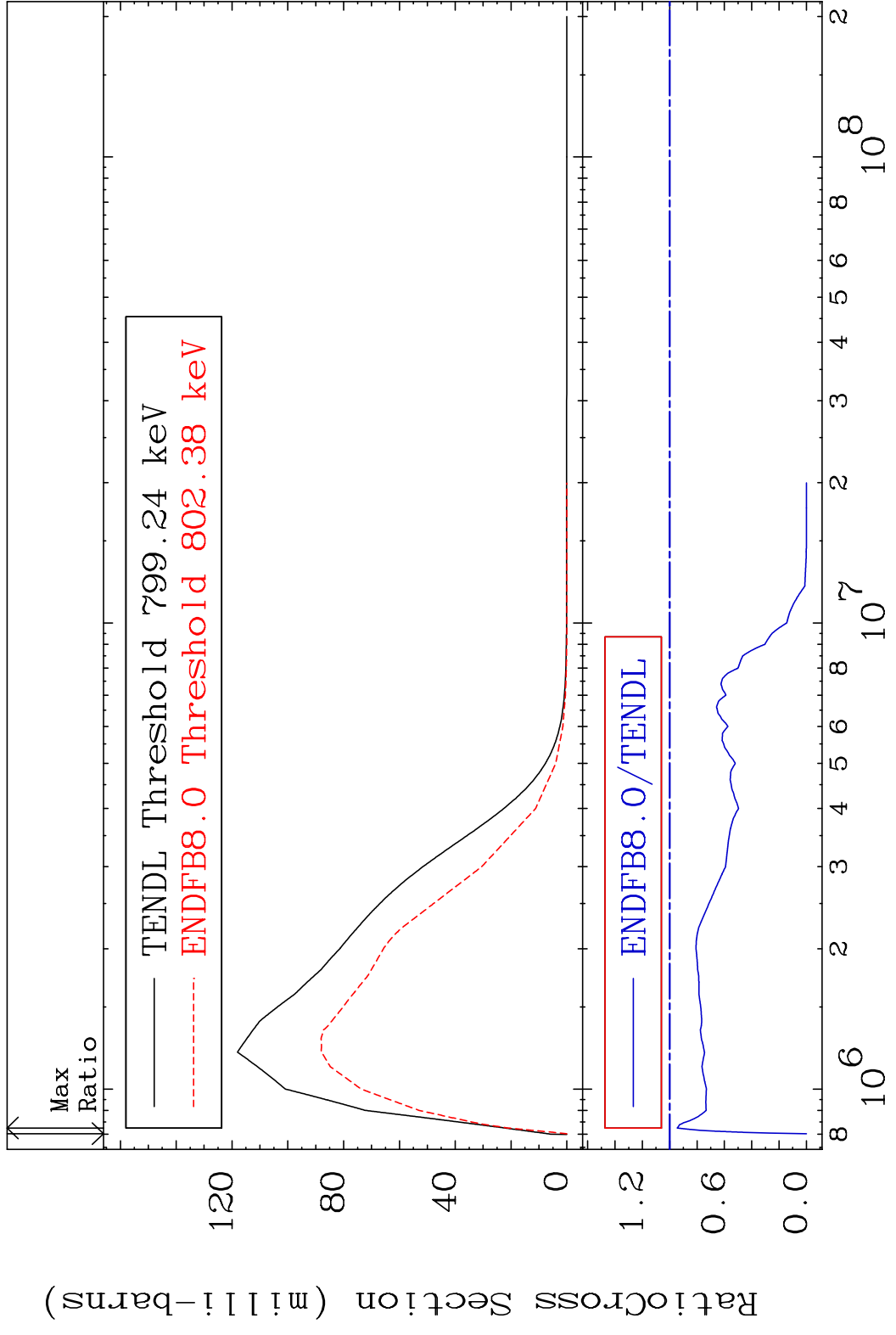
MAT 3531 MT= 56 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 18.26 %



15 35-Br-81

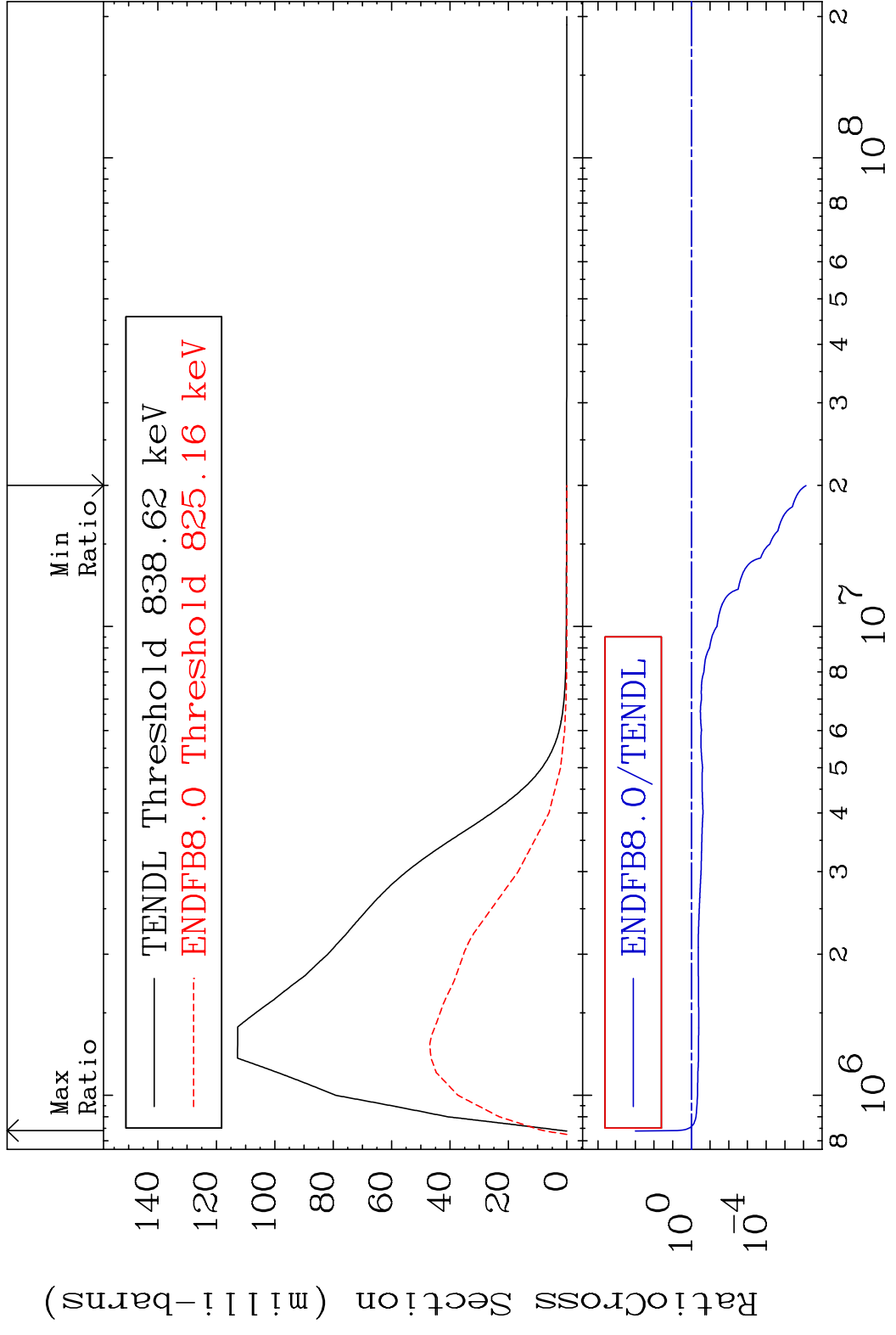


MAT 3531 MT= 57 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -5.484%

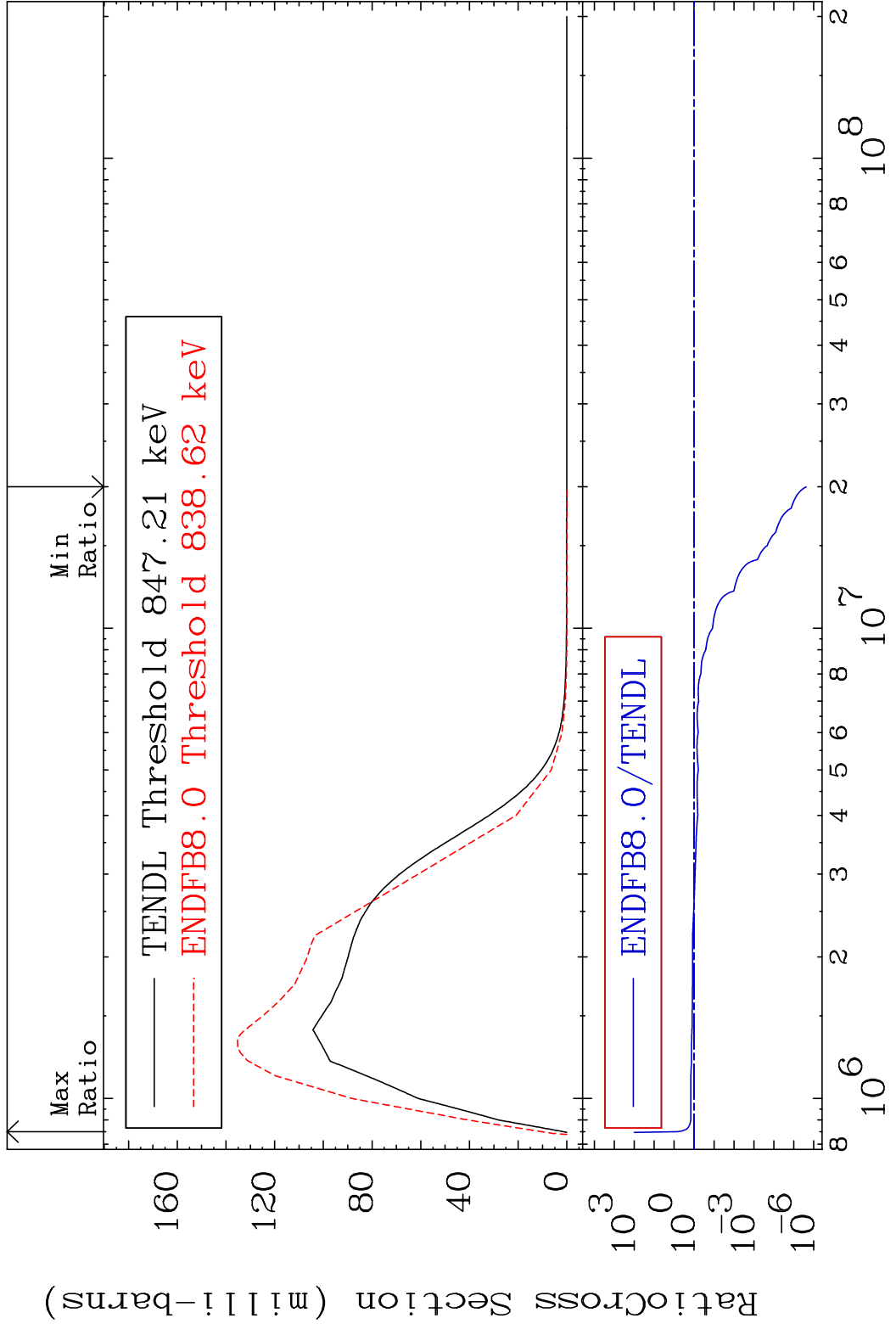


16 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 58 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 475.5 %

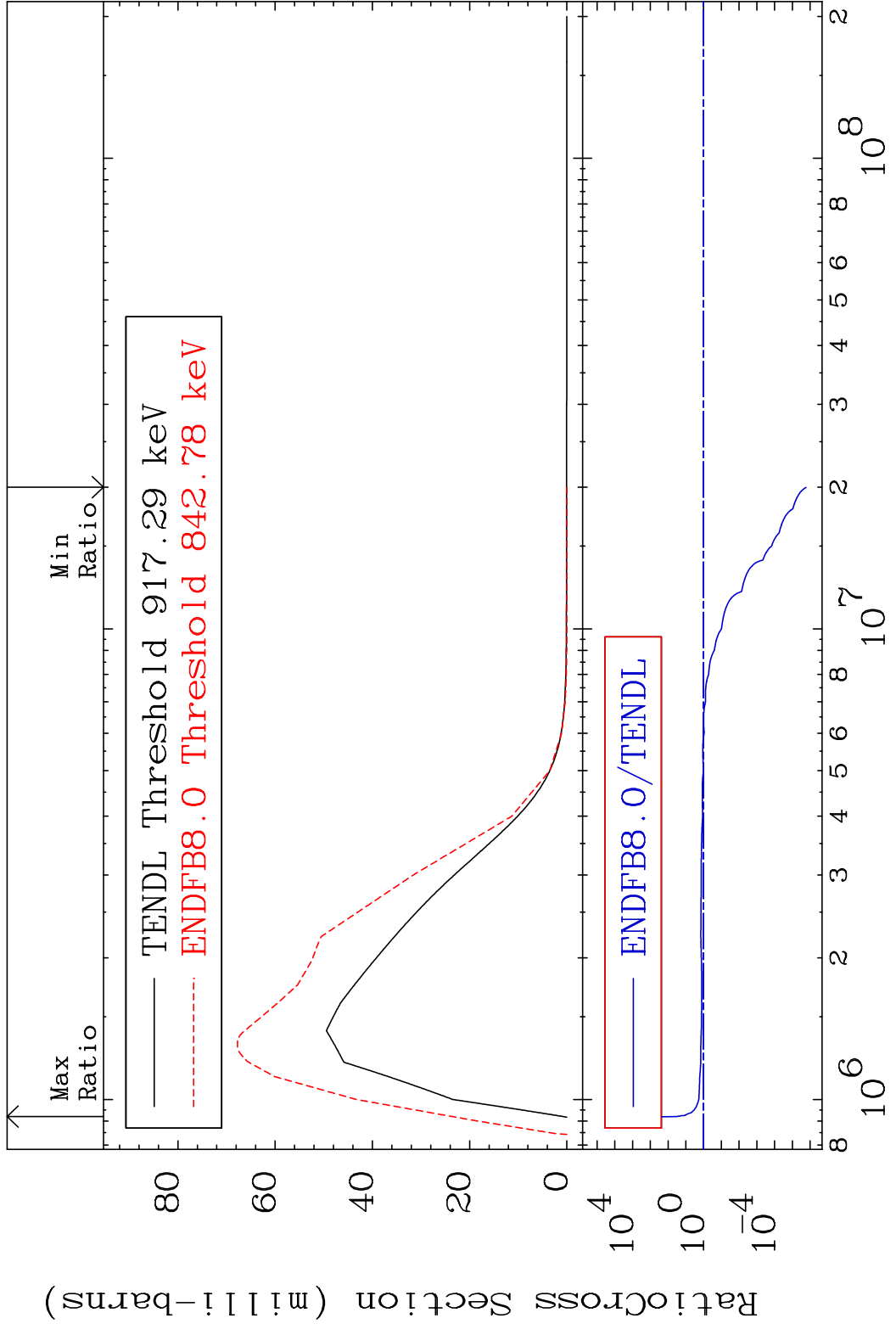


MAT 3531 MT= 59 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 603.9 %



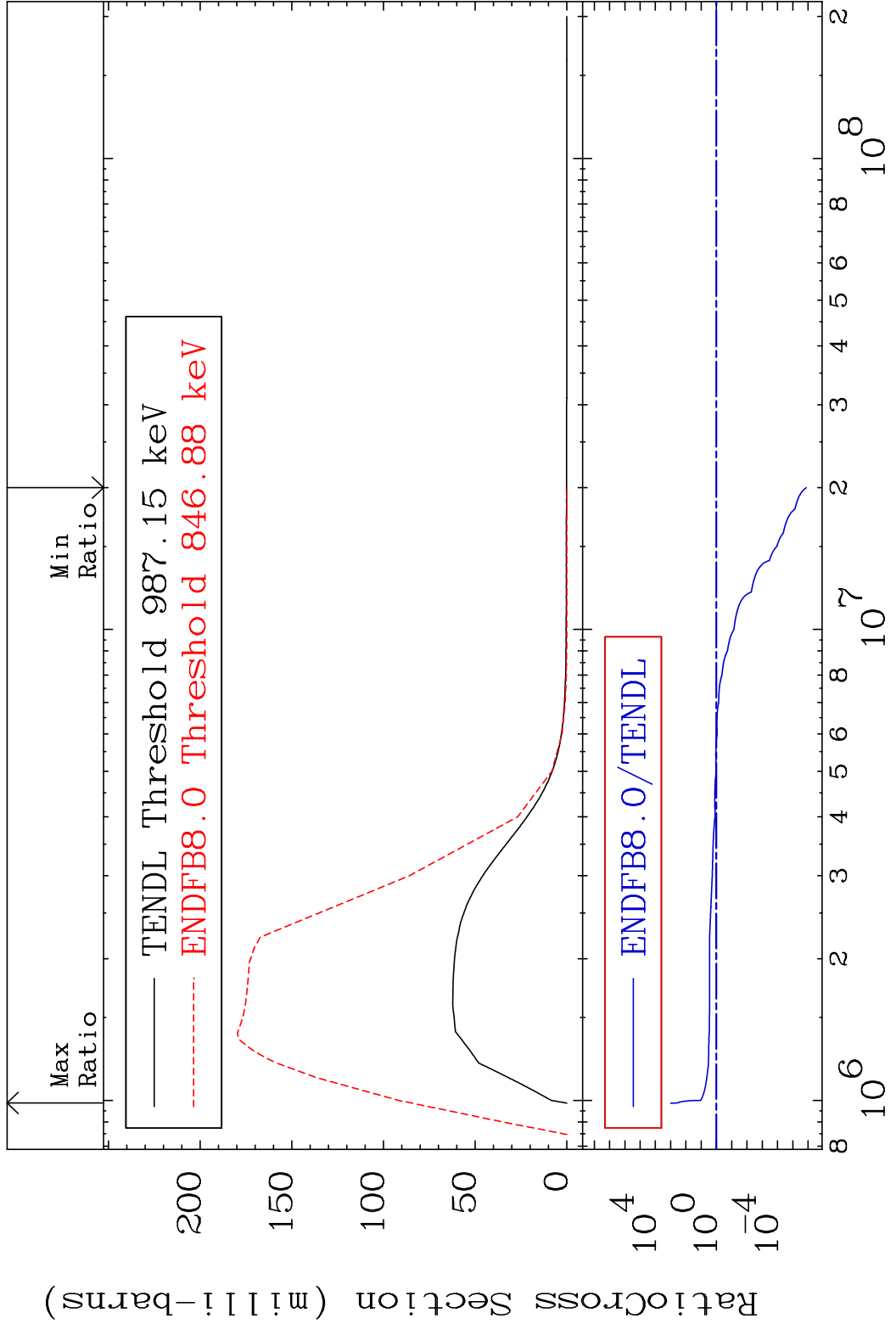
18 35-Br-81

MAT 3531 MT= 60 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 2959. %



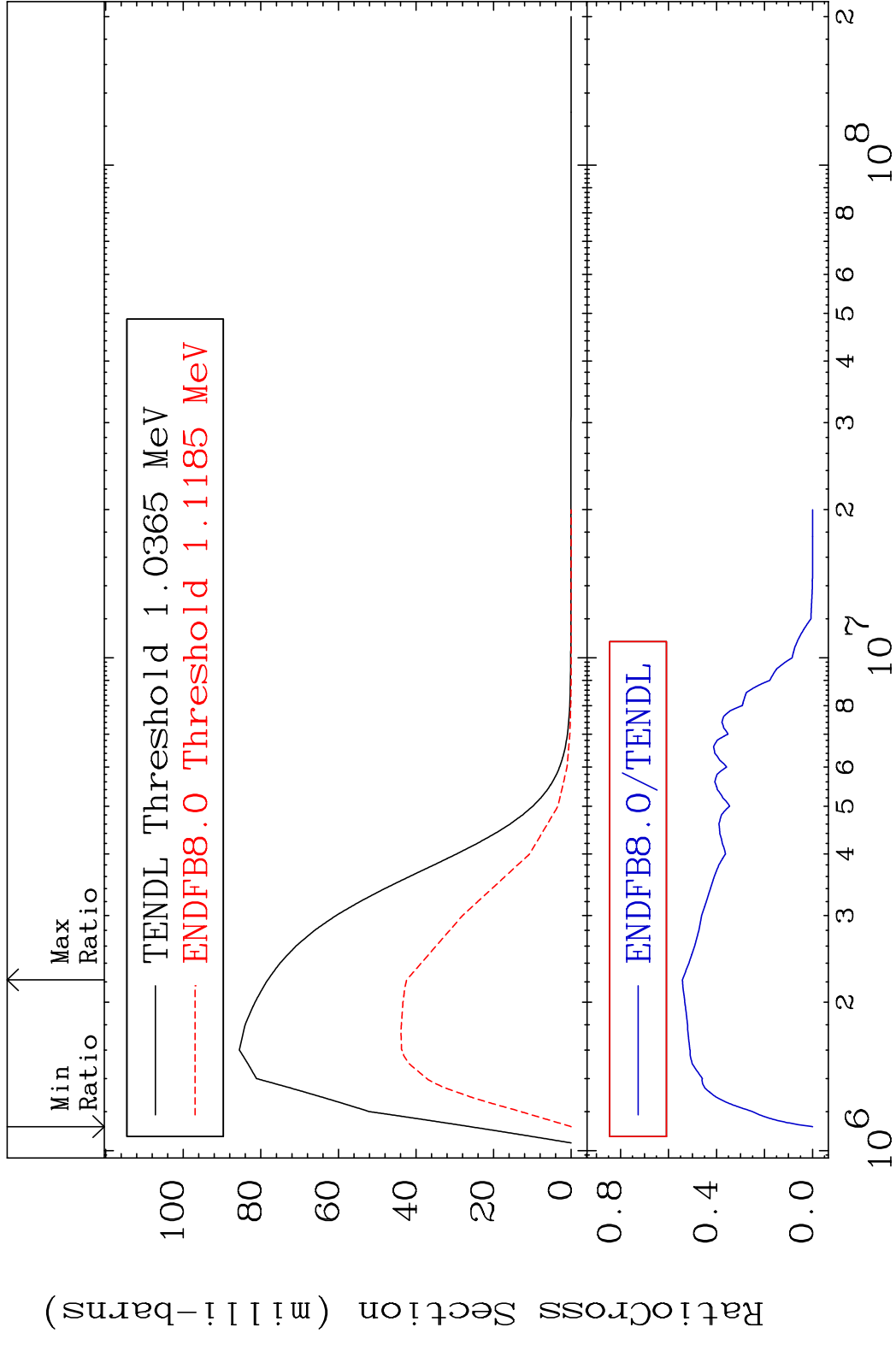
19 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 61 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 9999. %



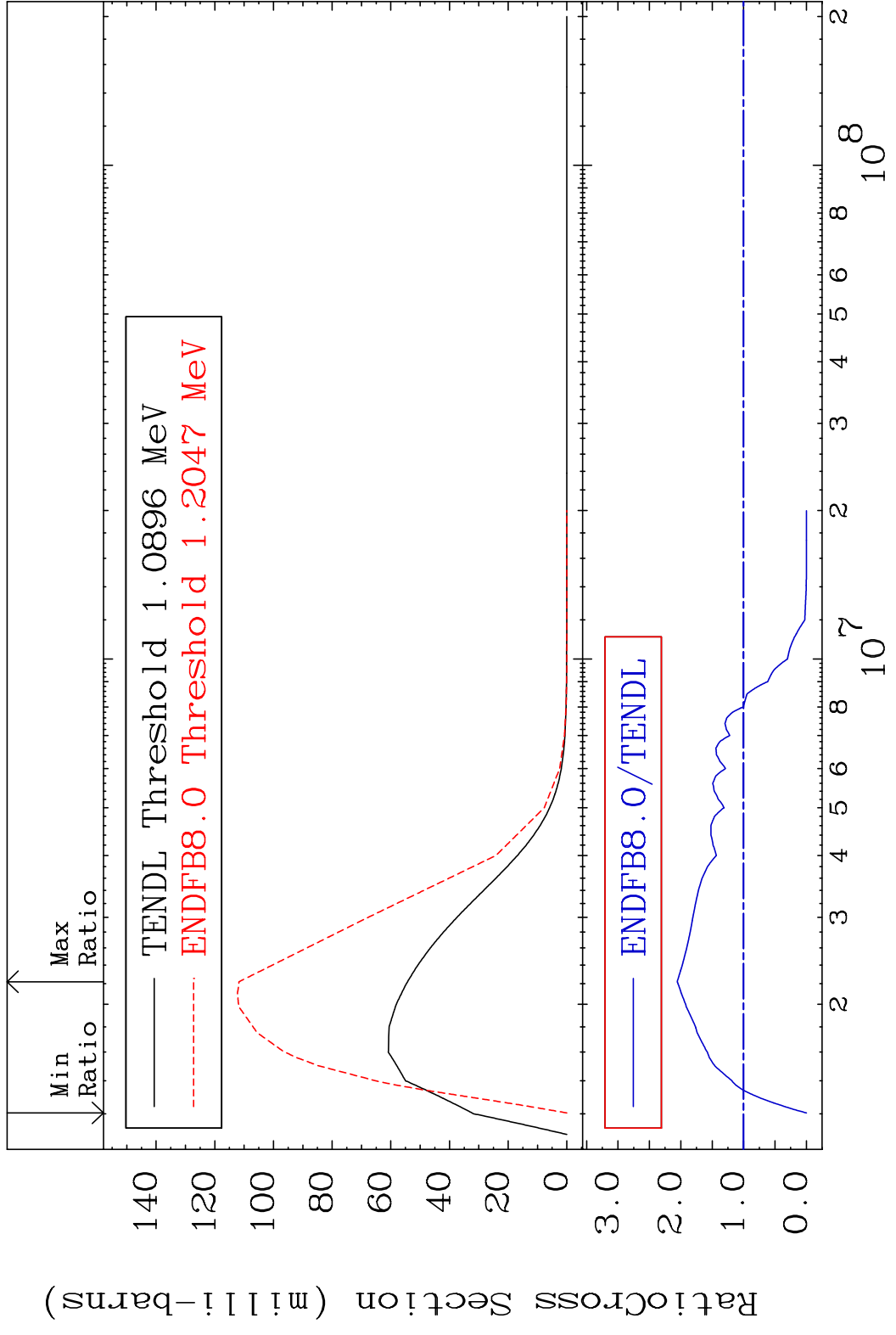
20 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 62 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -45.77%

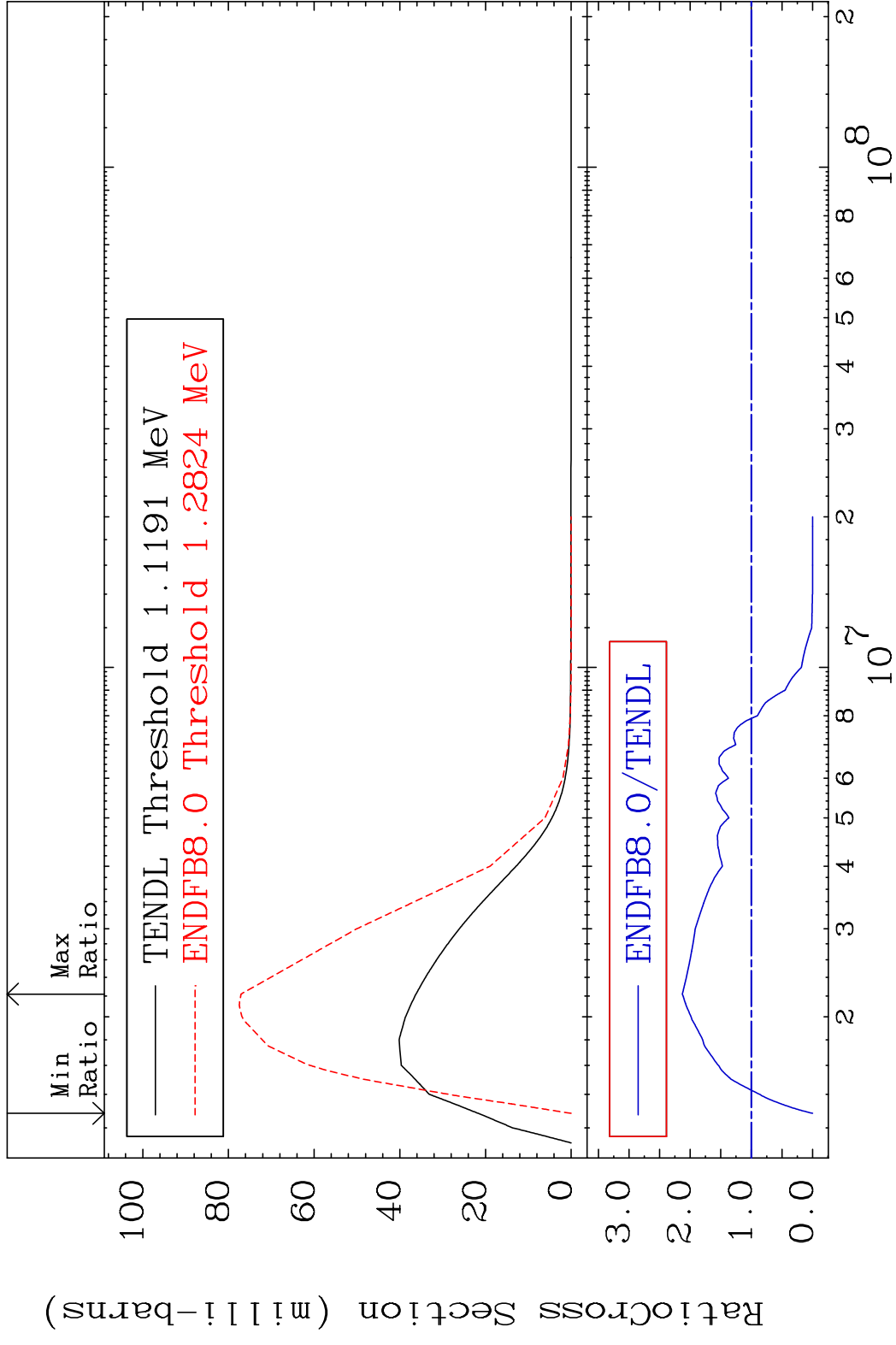


21 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 63 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 105.8 %

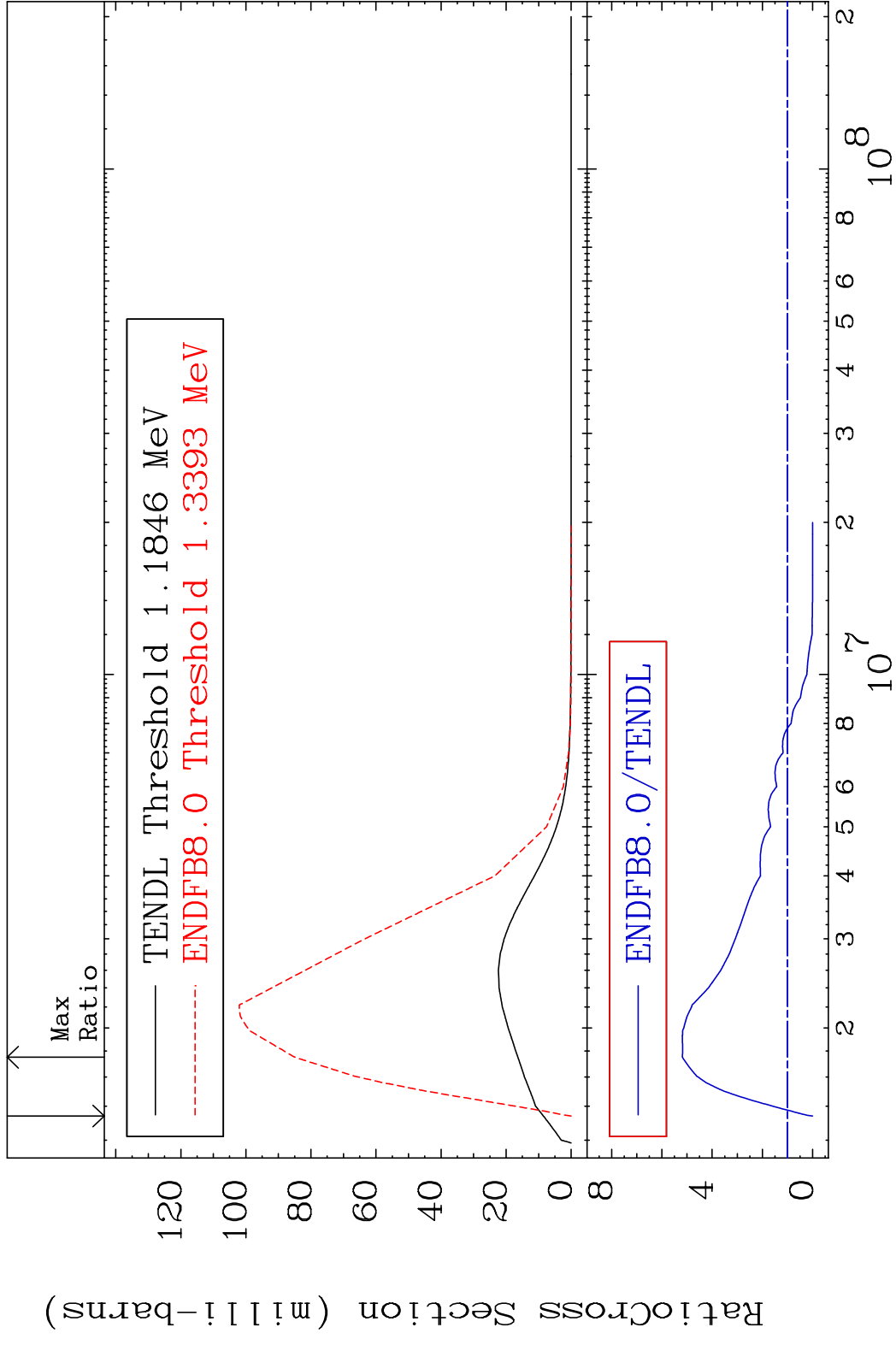


MAT 3531 MT= 64 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 112.8 %

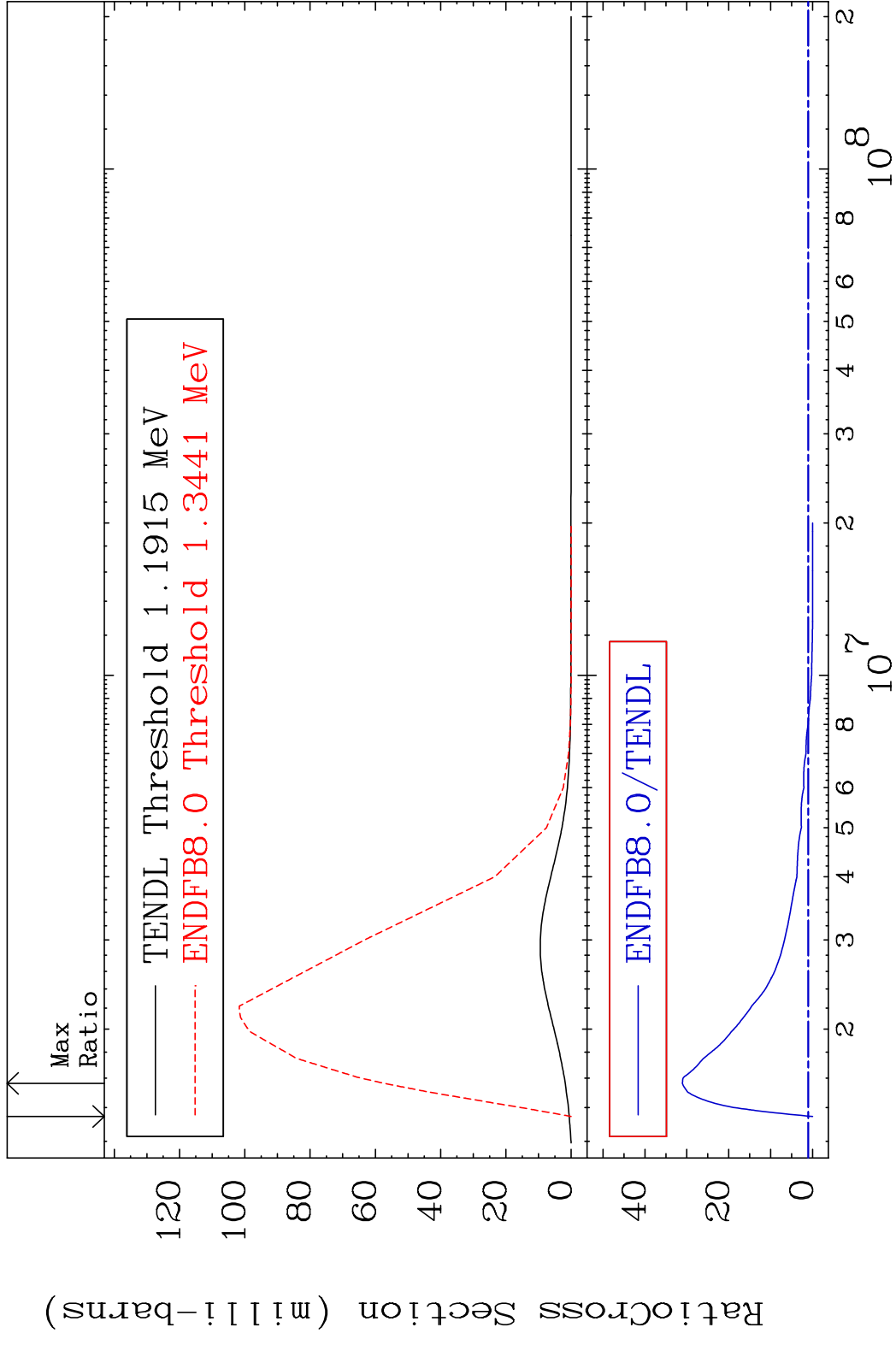




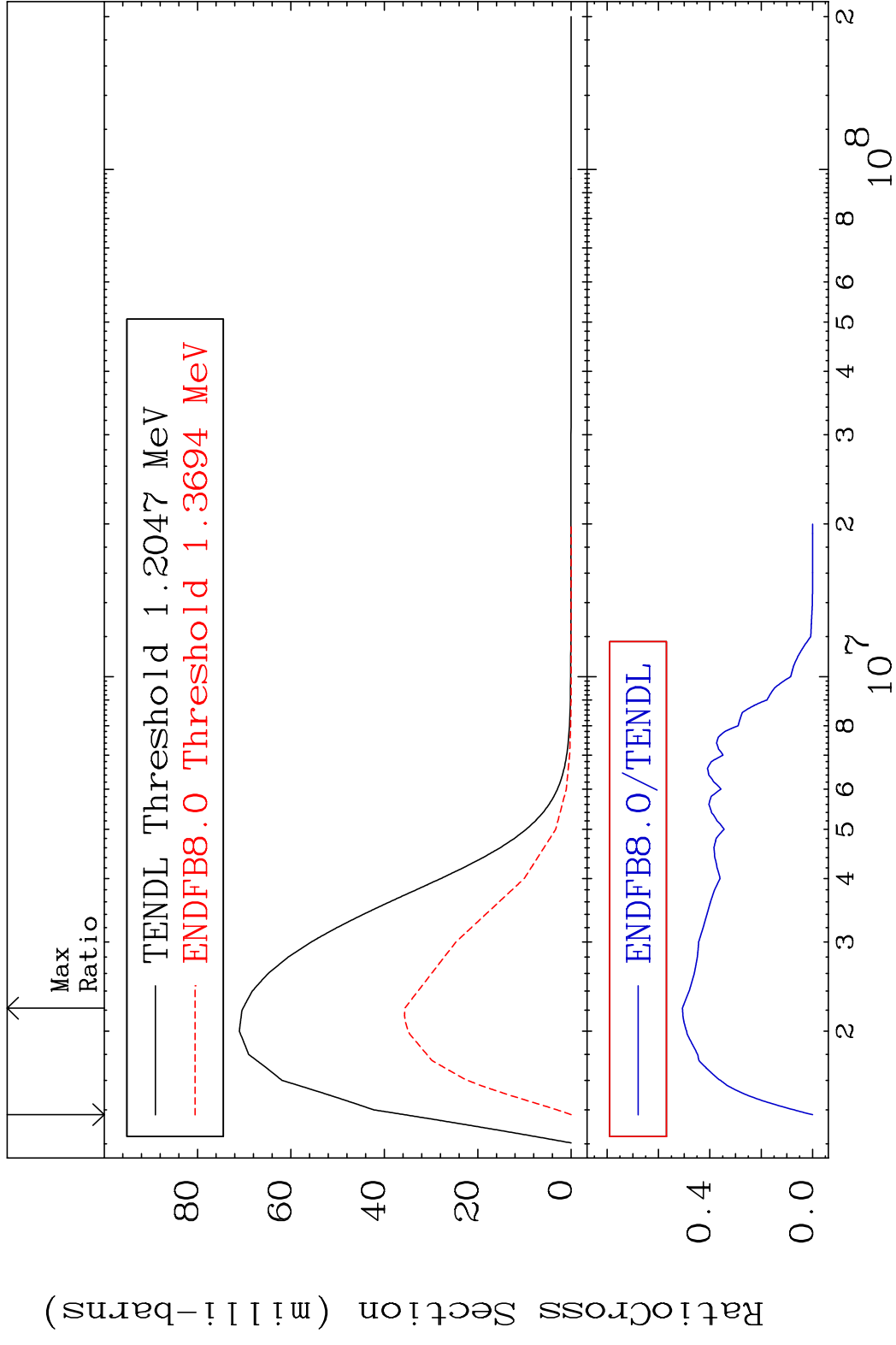
MAT 3531 MT= 65 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 418.7 %



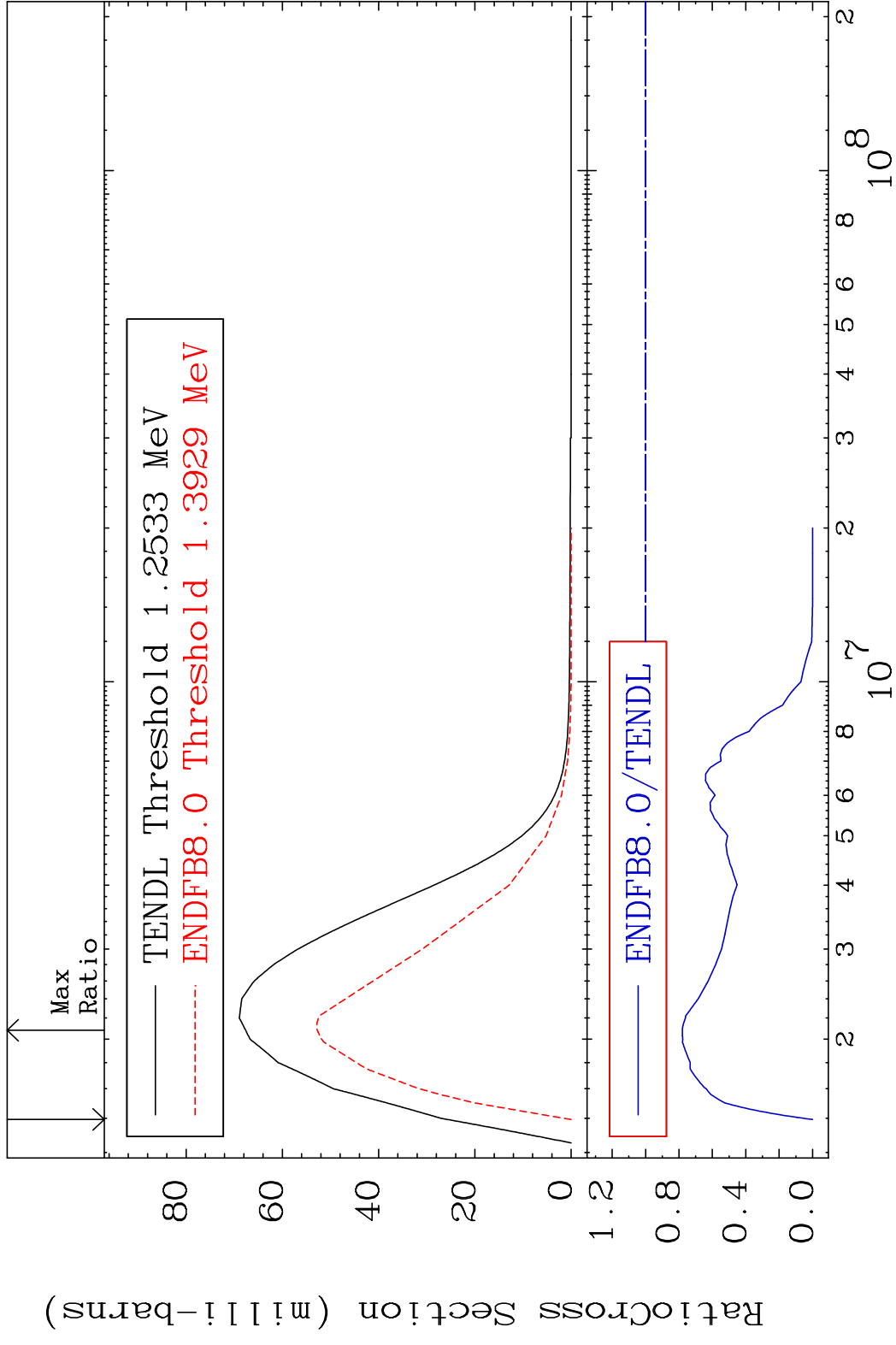
MAT 3531 MT= 66 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 3007. %



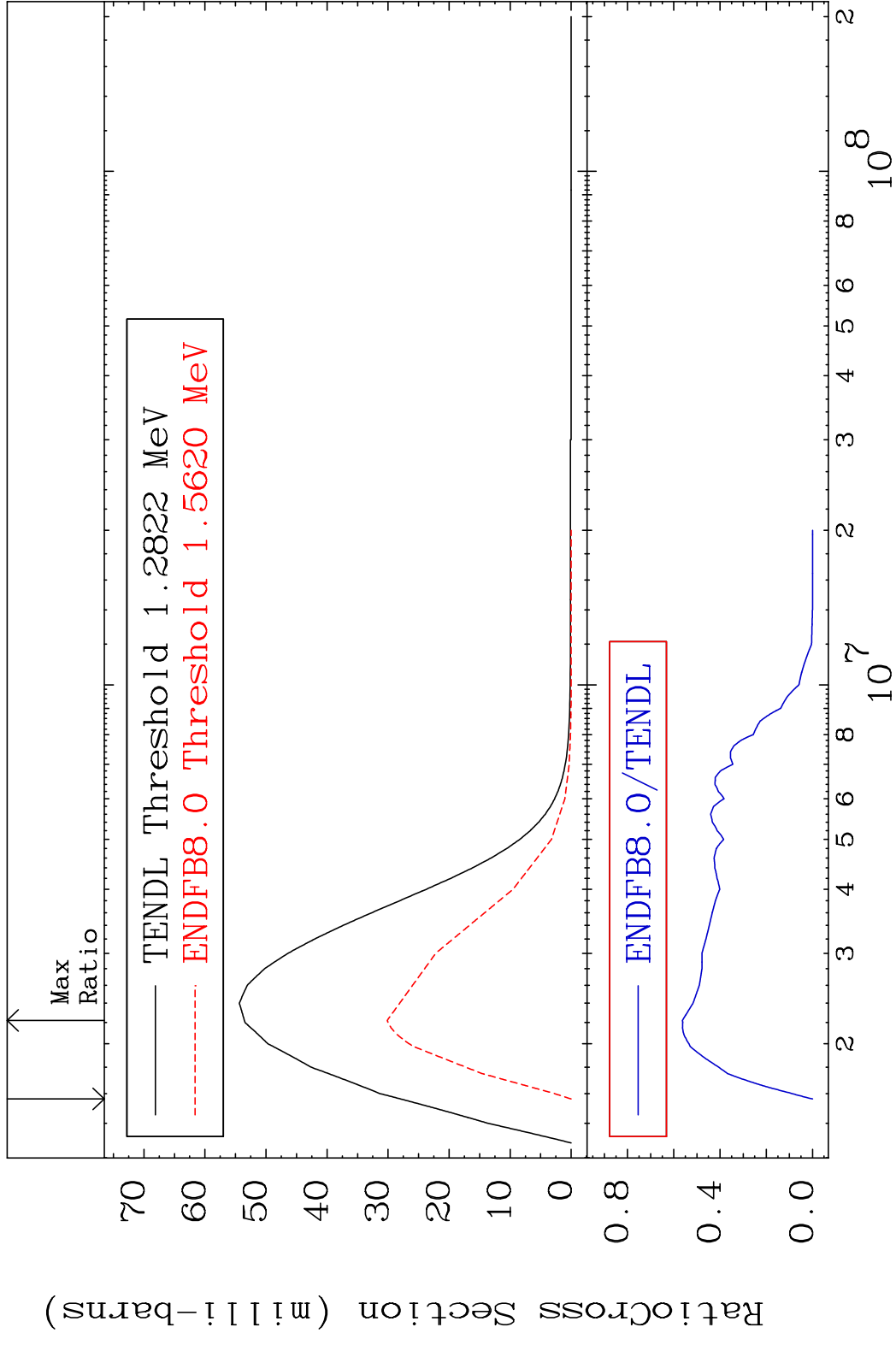
MAT 3531 MT= 67 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -49.28%



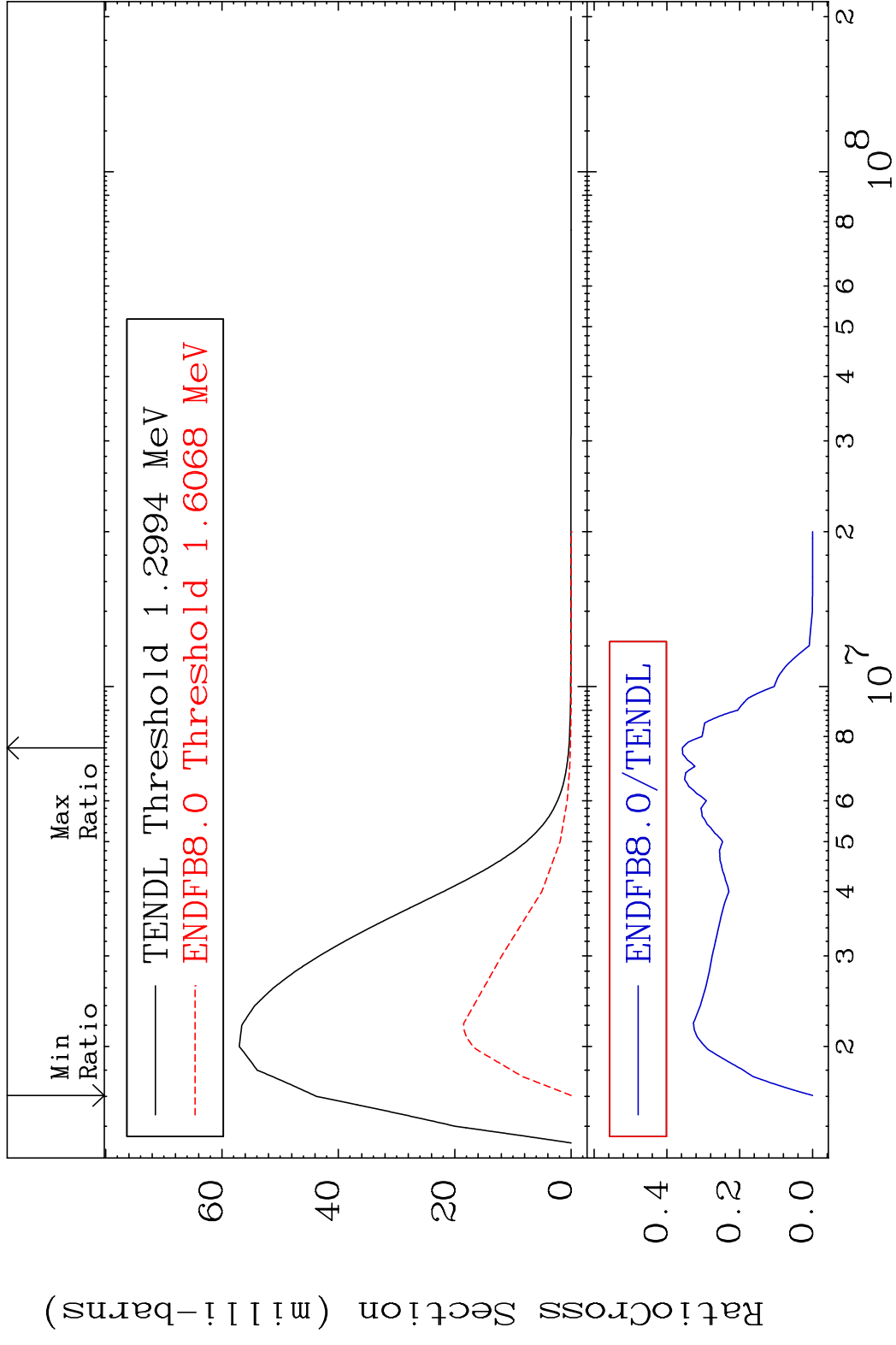
MAT 3531 MT= 68 (n, n') Level 35-Br-81  
 Cross Section -100.0 To -22.03%



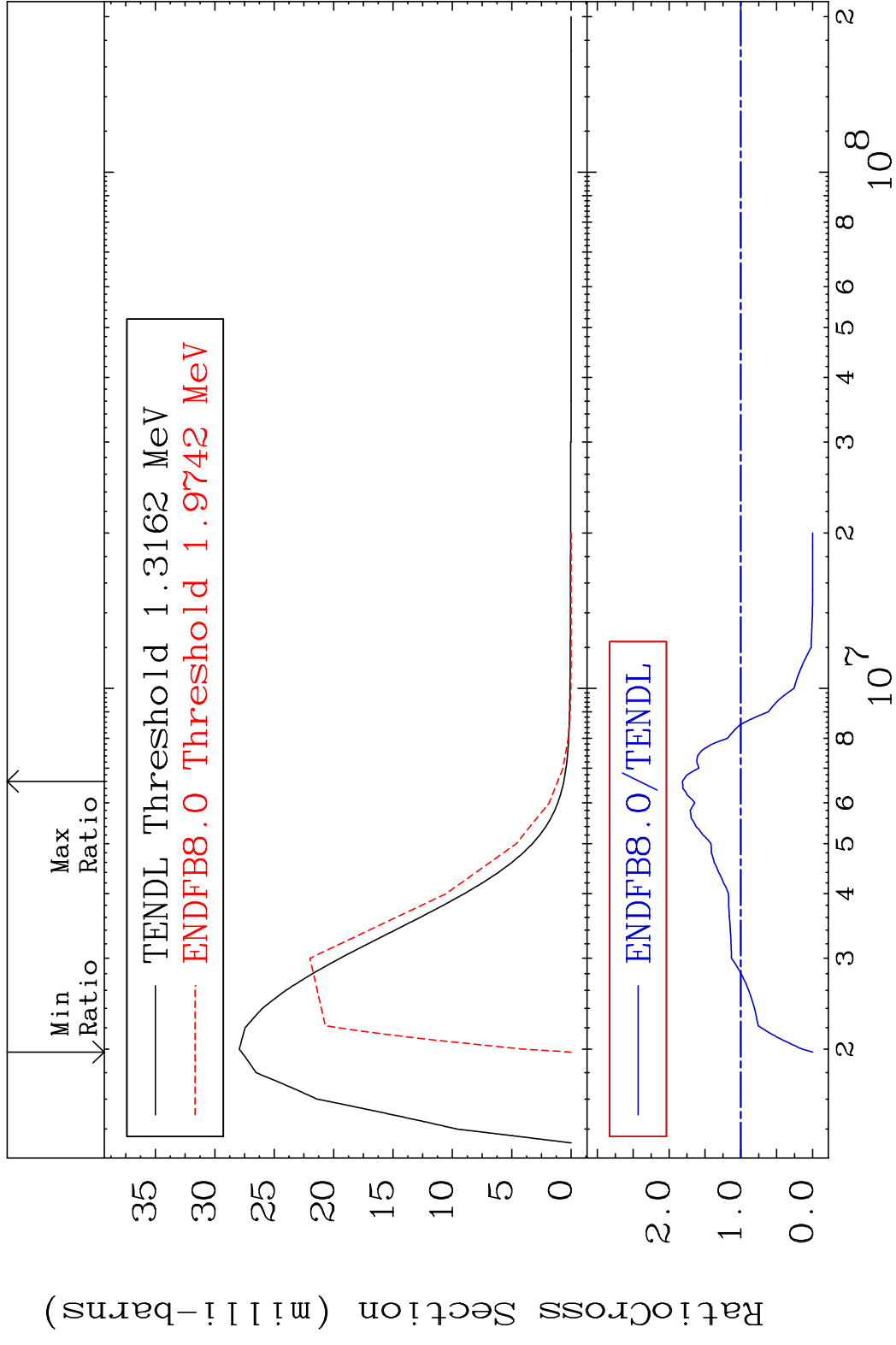
MAT 3531 MT= 69 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -43.71%



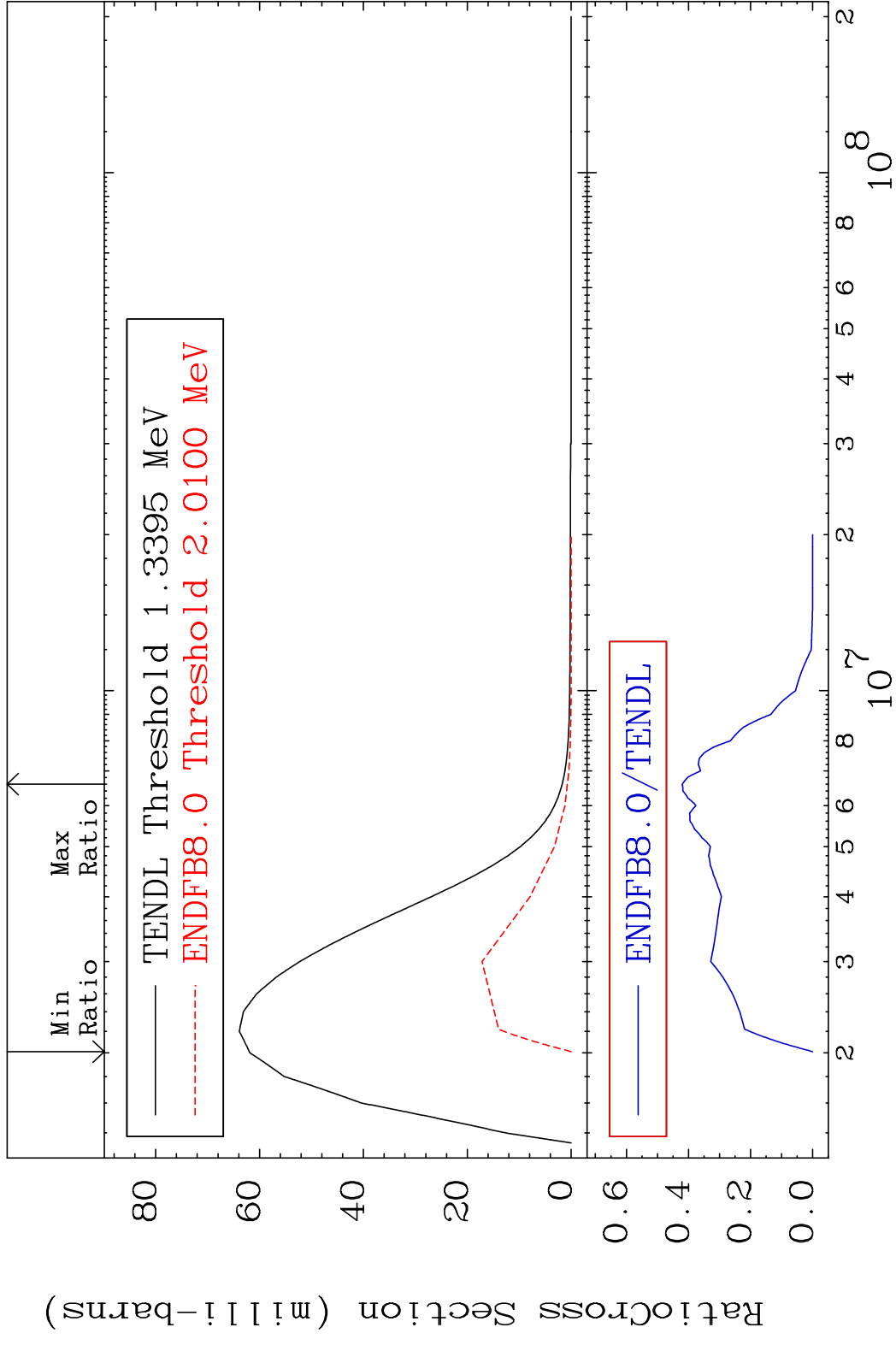
MAT 3531 MT= 70 (n, n') Level 35-Br-81  
 Cross Section -100.0 To -64.24%



MAT 3531 MT= 71 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 81.47 %

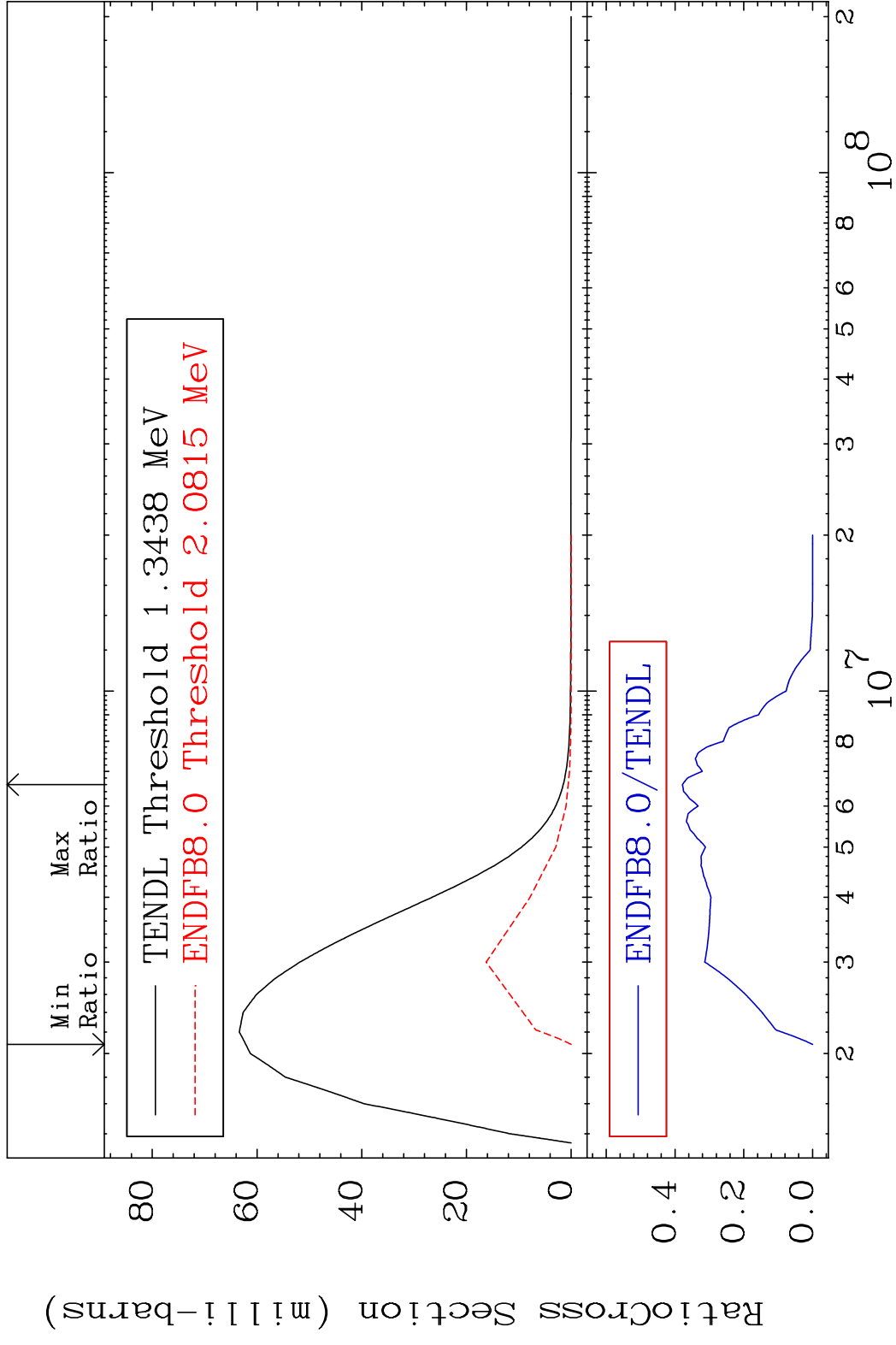


MAT 3531 MT= 72 (n, n') Level 35-Br-81  
 Cross Section -100.0 To -58.03%

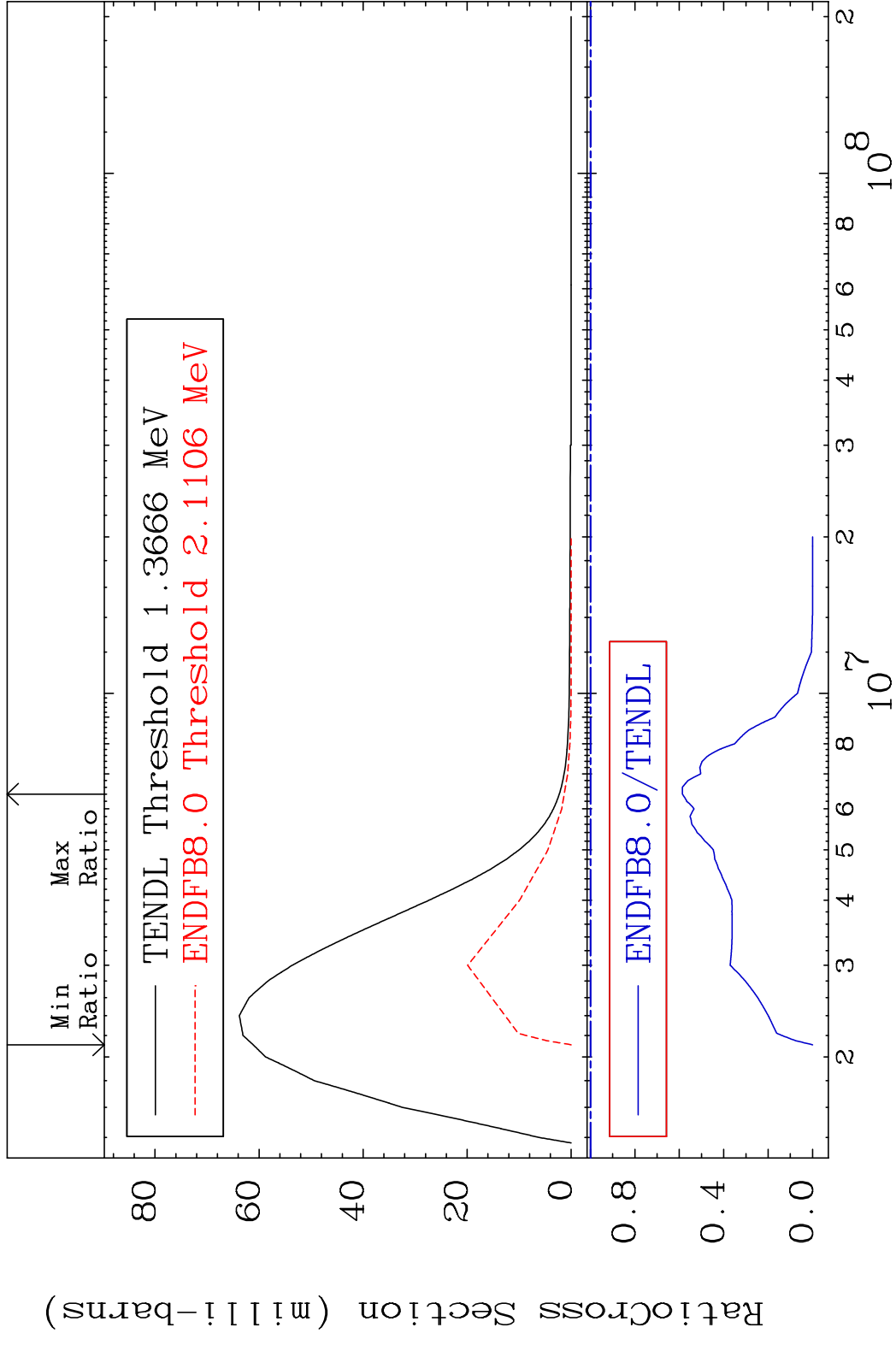




MAT 3531 MT= 73 (n, n') Level 35-Br-81  
 Cross Section -100.0 To -62.13%

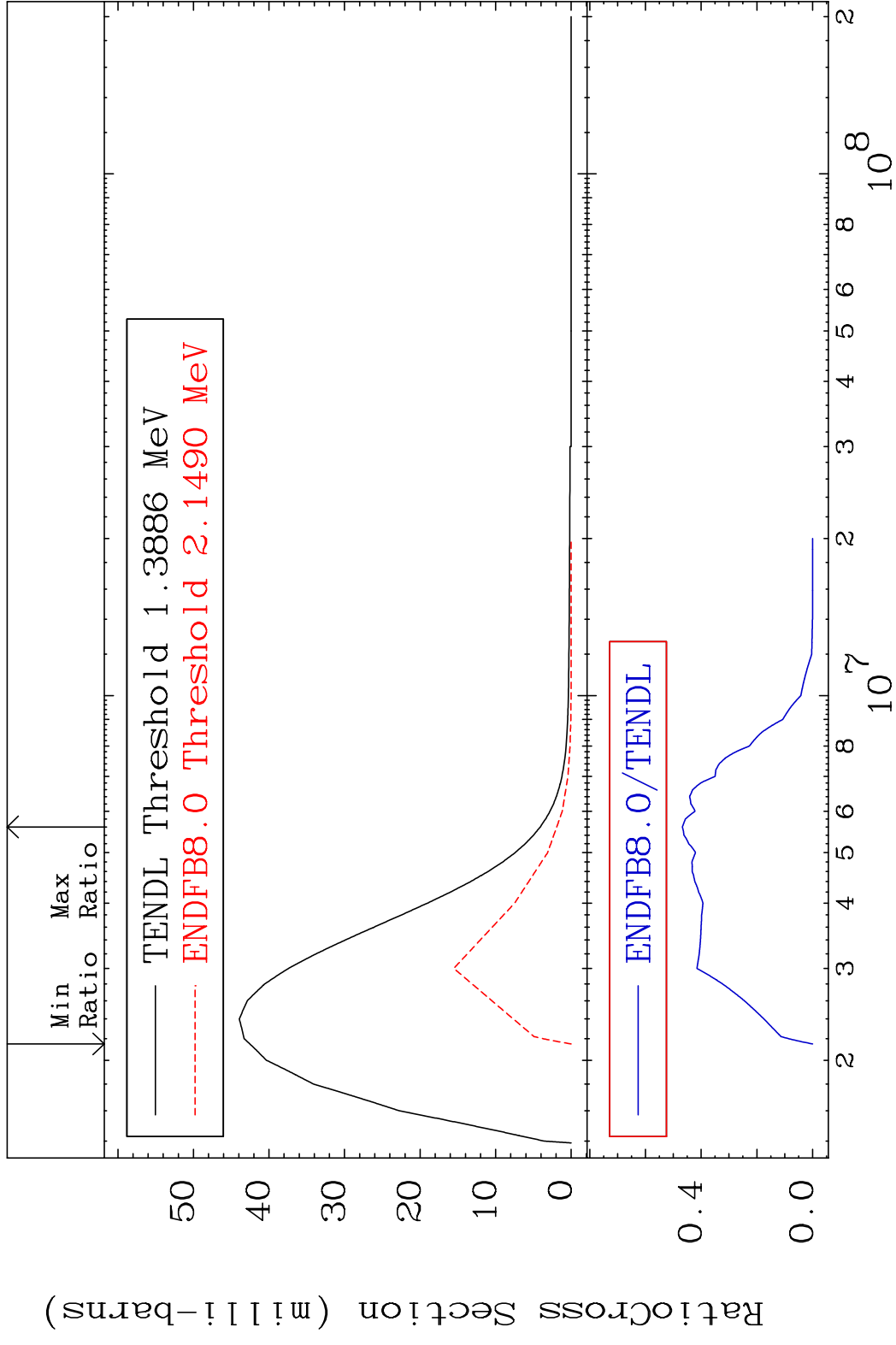


MAT 3531 MT= 74 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -41.39%

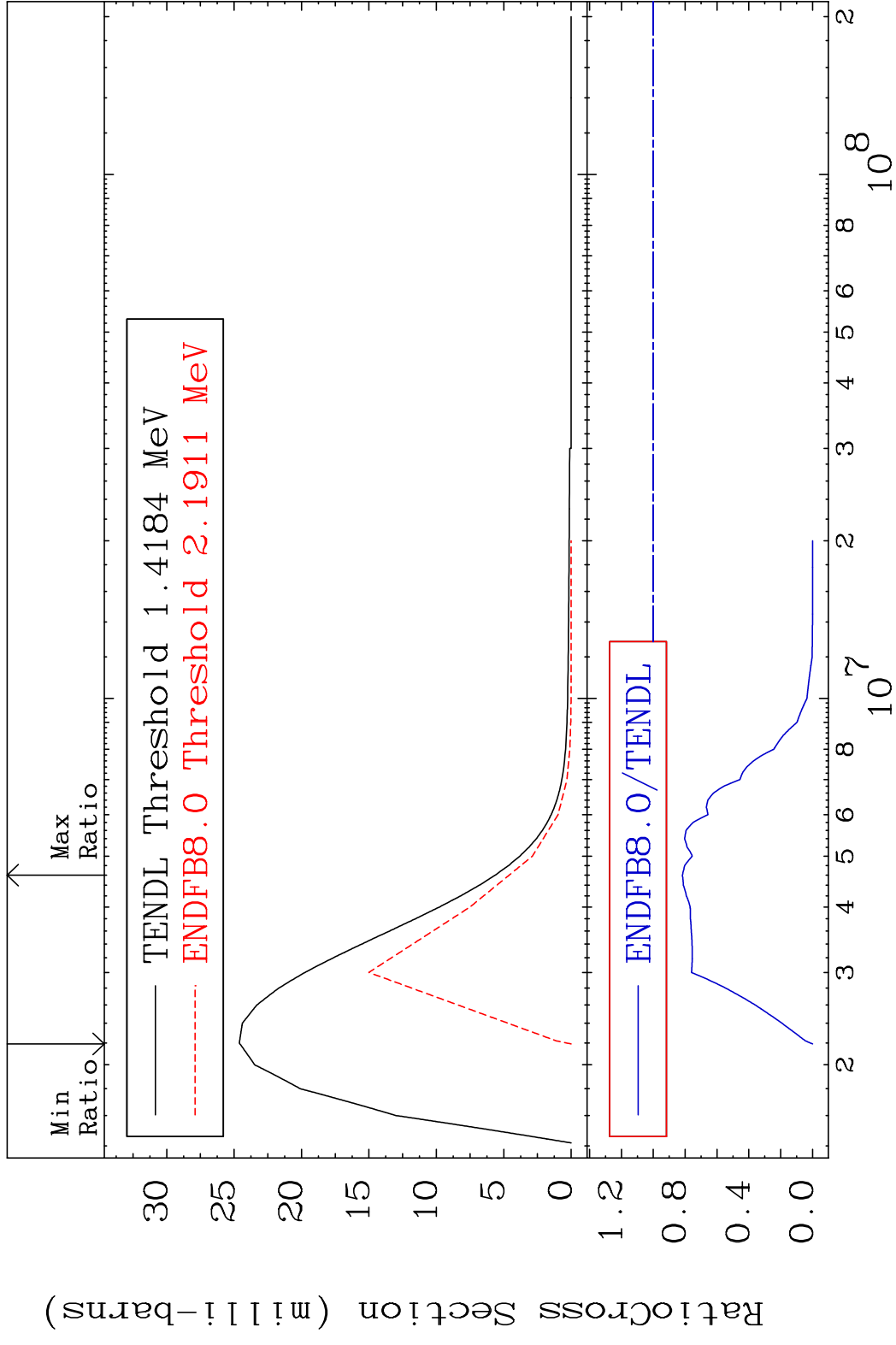


33 Incident Energy (eV) 35-Br-81

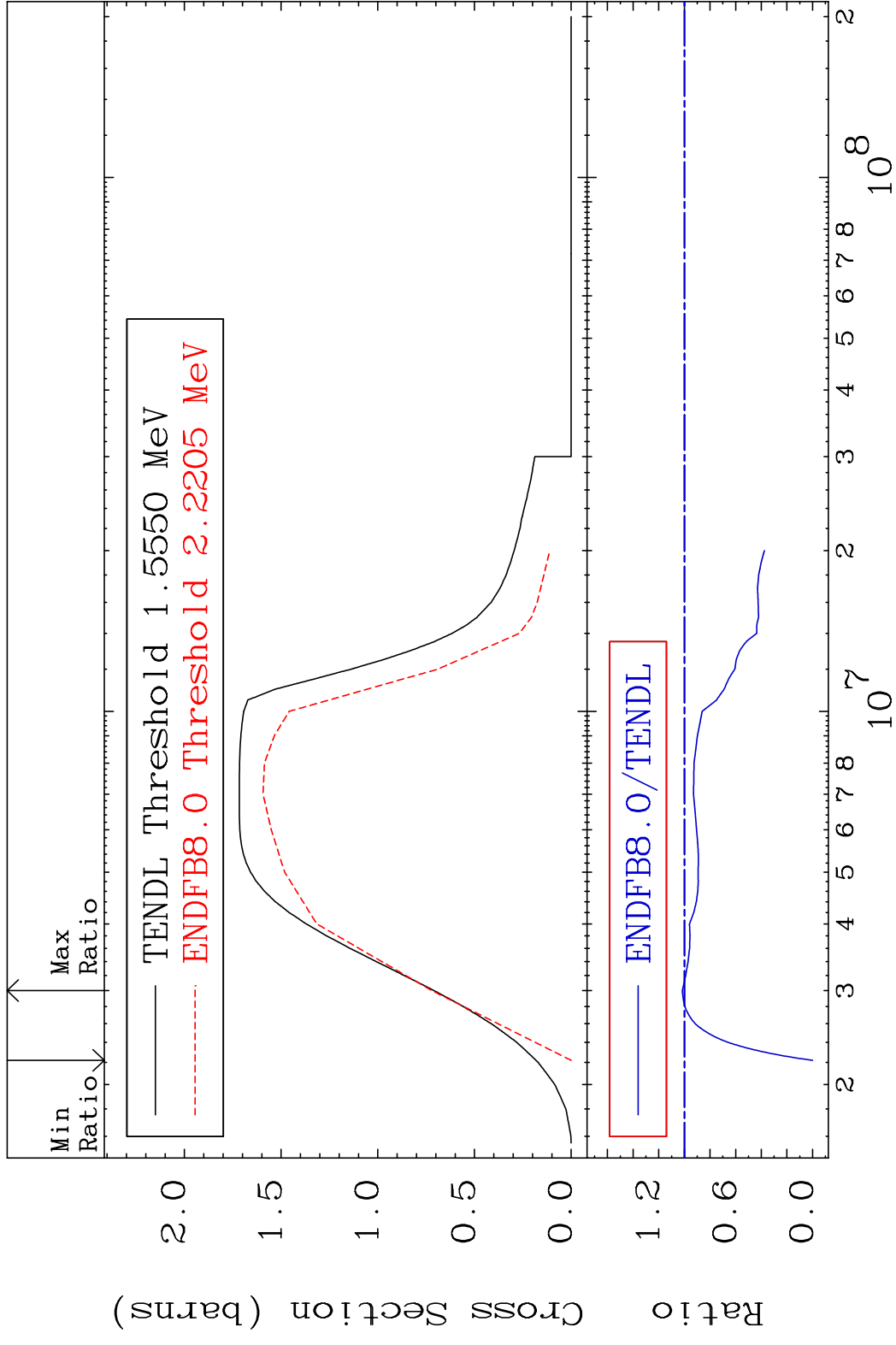
MAT 3531 MT= 75 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -53.25%



MAT 3531 MT= 76 (n,n') Level 35-Br-81  
 Cross Section -100.0 To -18.25%



MAT 3531 (n,n') Continuum 35-Br-81  
 Cross Section -100.0 To 1.578 %

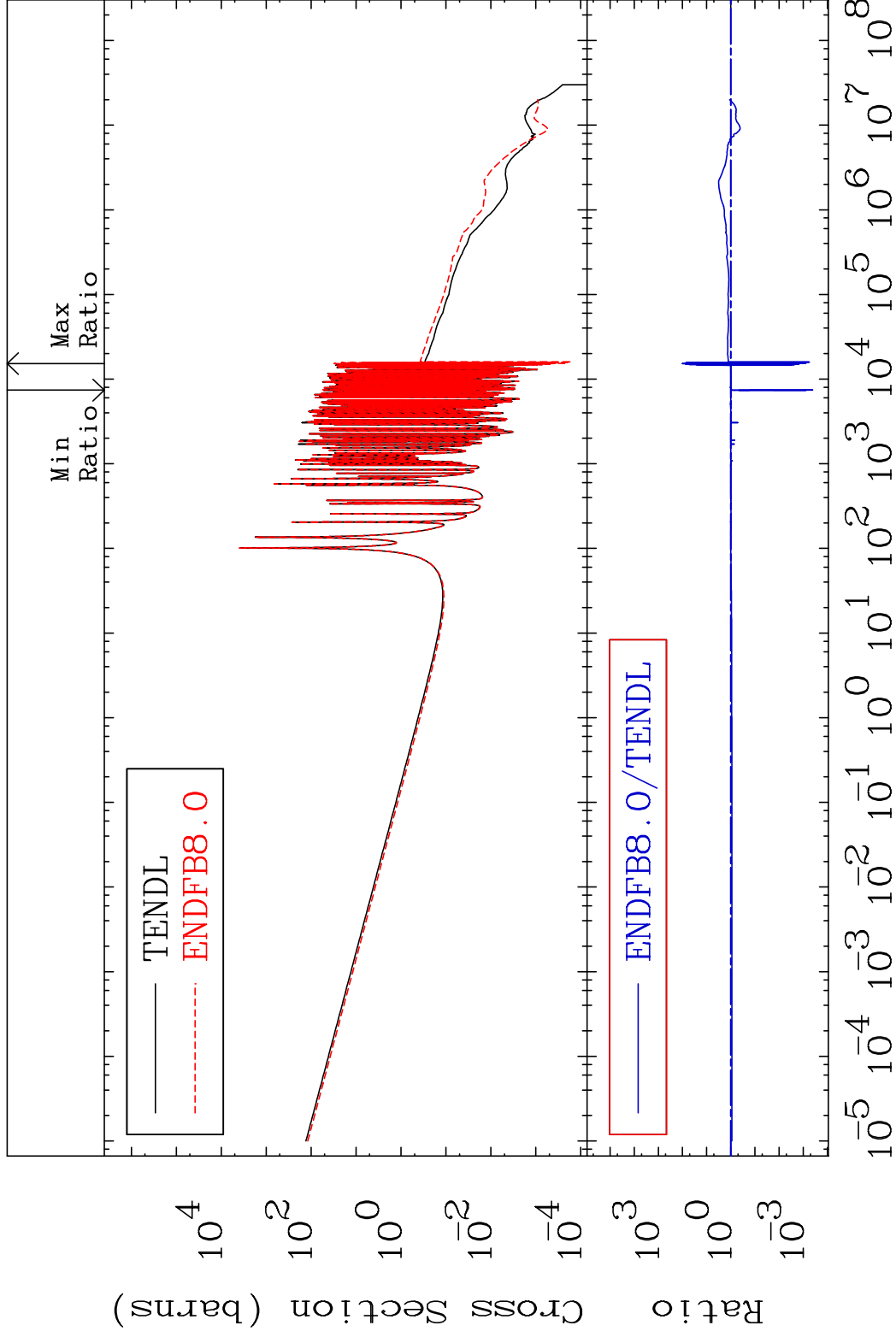


MAT 3531

(n,  $\gamma$ )

35-Br-81

Cross Section -99.96 To 9999. %

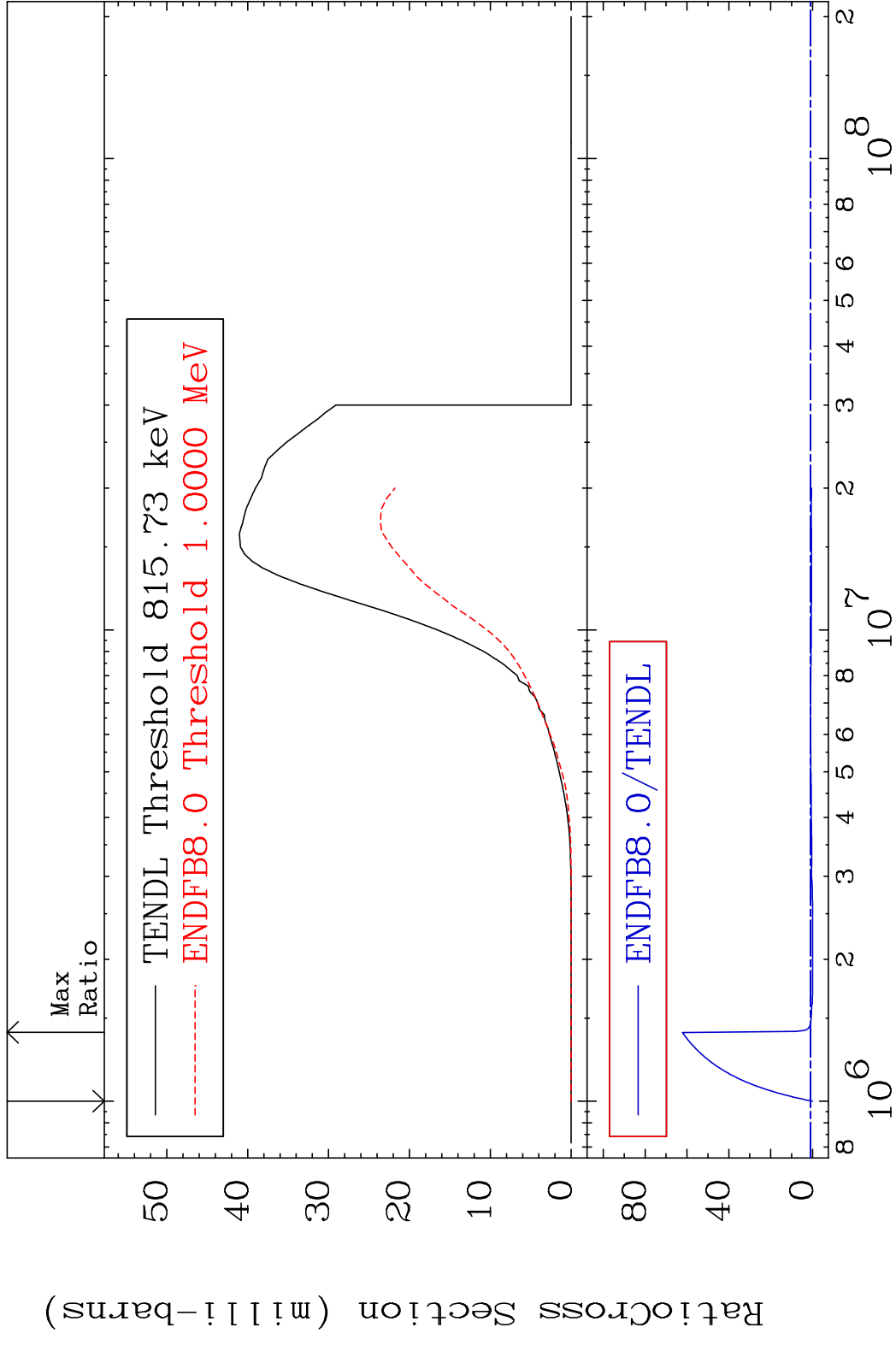


37

Incident Energy (eV)

35-Br-81

MAT 3531 (n,p) 35-Br-81  
 Cross Section -100.0 To 6121. %



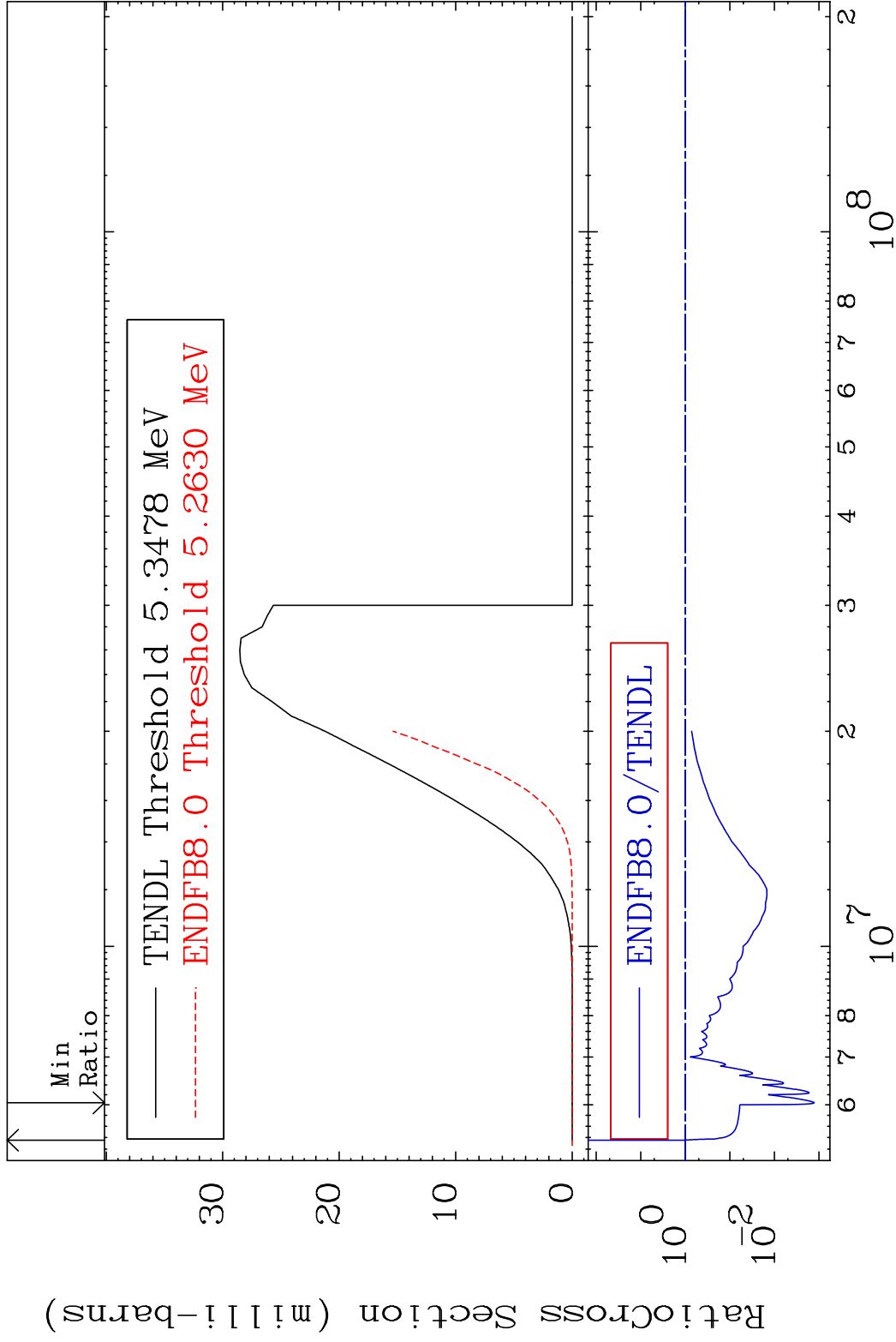
38 Incident Energy (eV) 35-Br-81

MAT 3531

(n, d)

35-Br-81

Cross Section -99.87 To 9.366 %



39

Incident Energy (eV)

35-Br-81

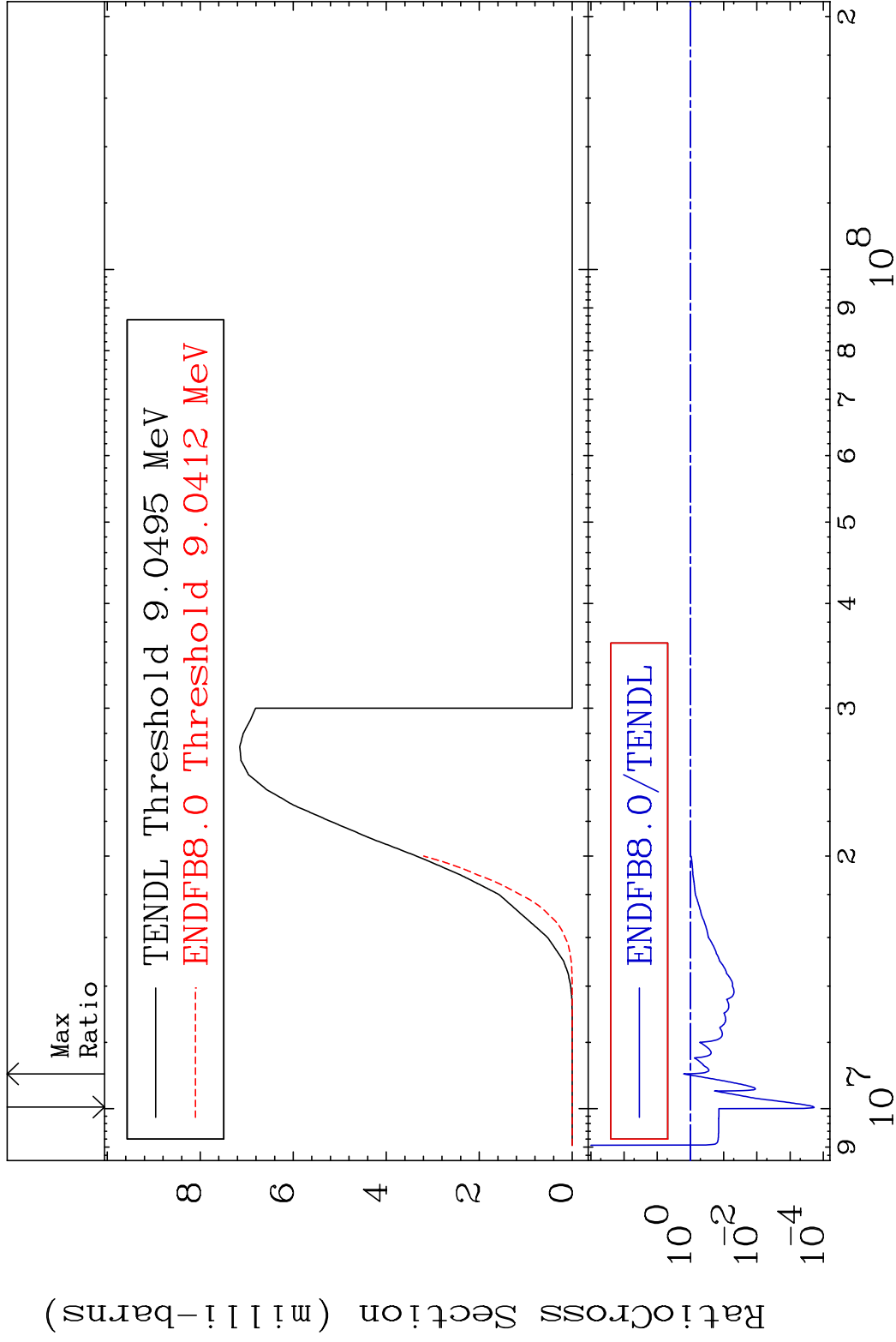


MAT 3531

(n, t)

35-Br-81

Cross Section -99.98 To 60.46 %



40

Incident Energy (eV)

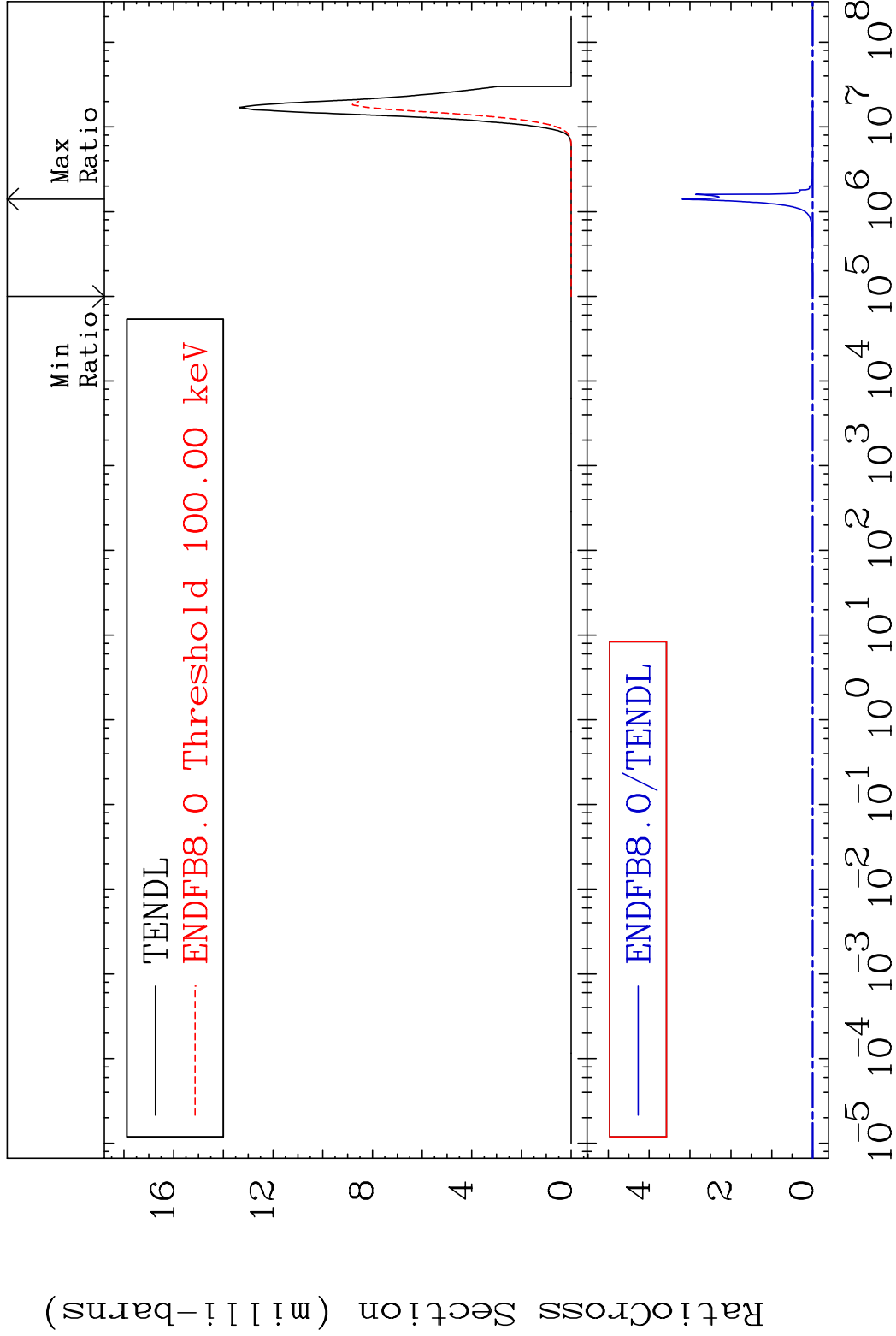
35-Br-81

MAT 3531

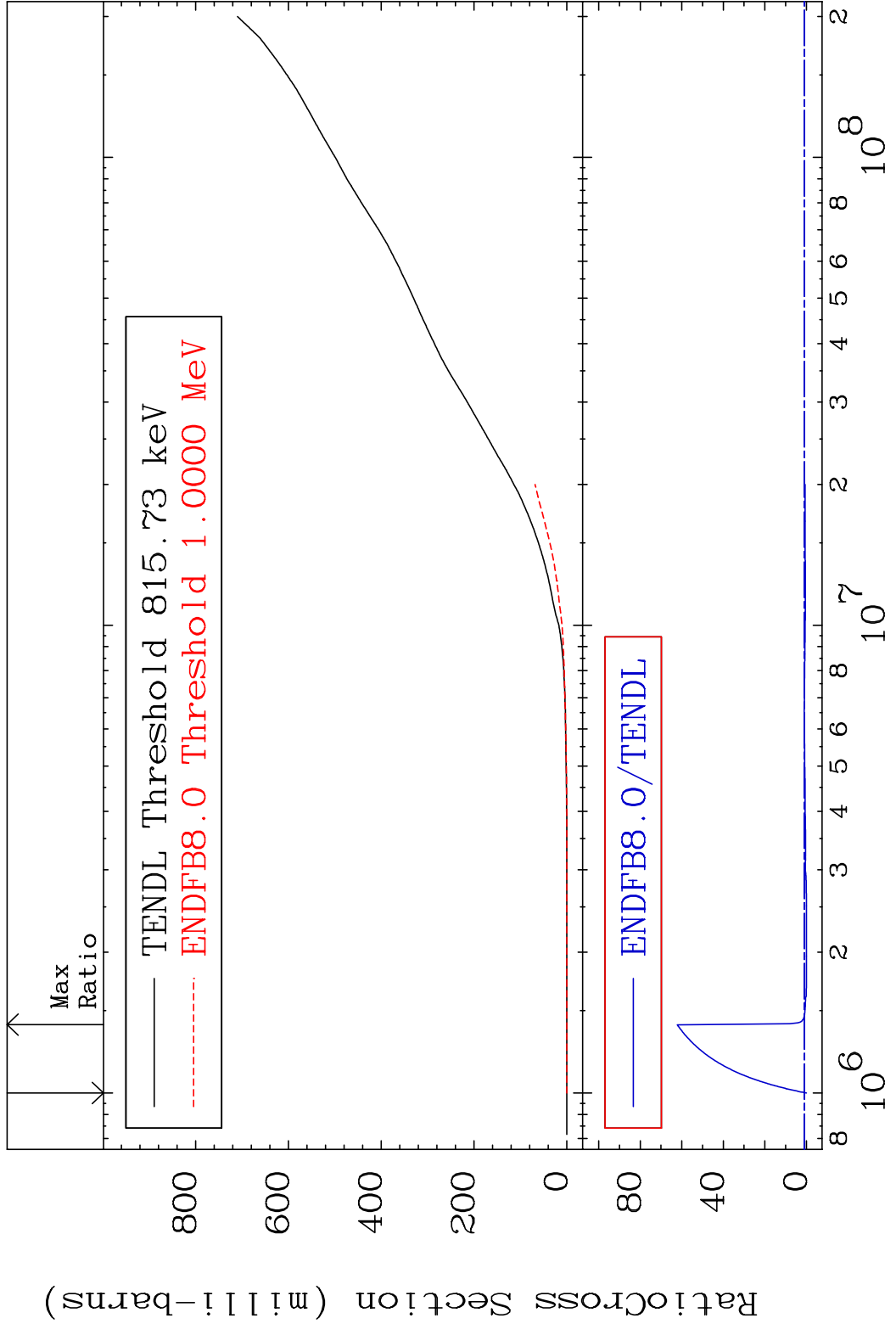
(n,  $\alpha$ )

35-Br-81

Cross Section -100.0 To 9999. %

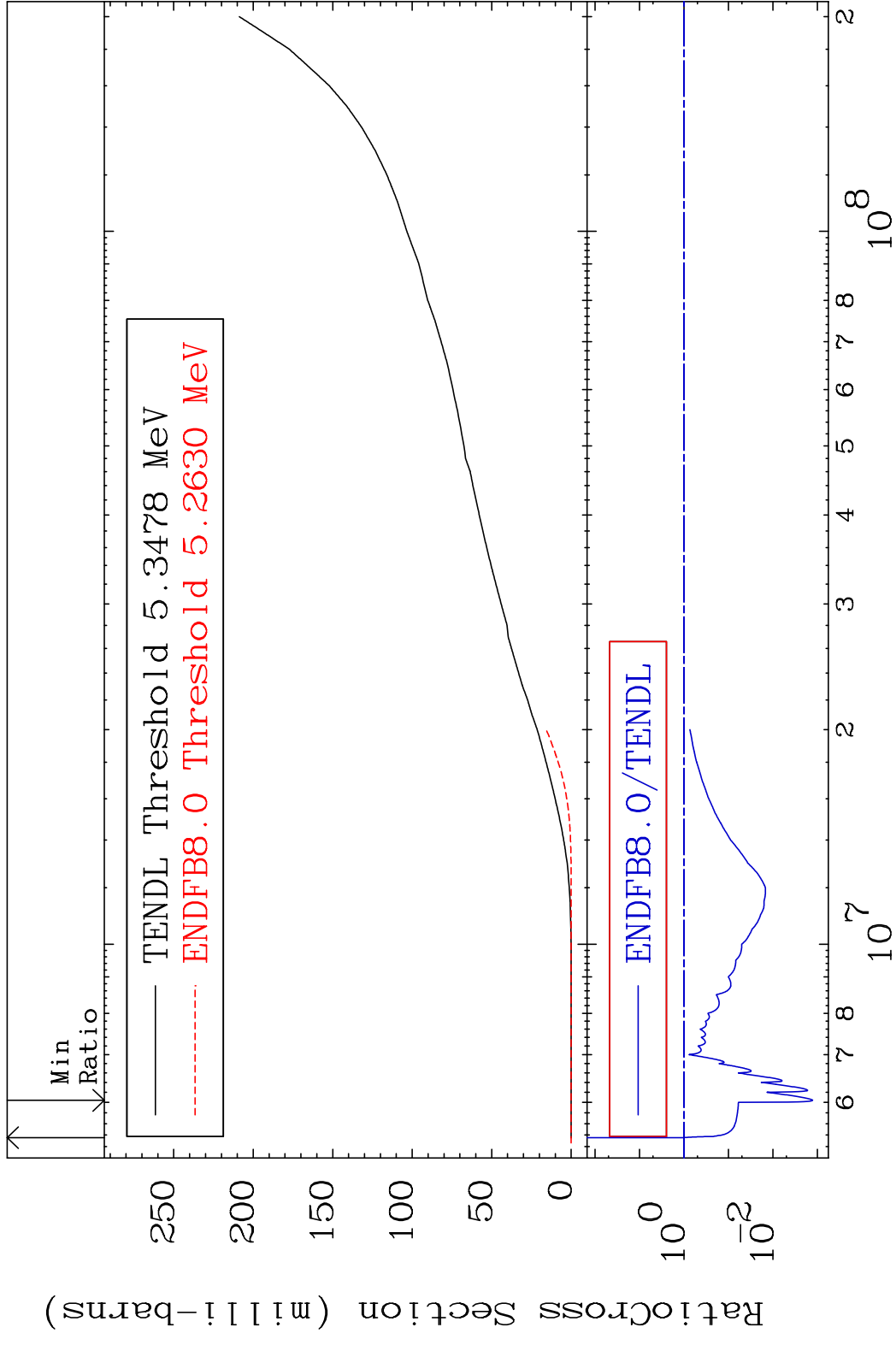


MAT 3531 Hydrogen Production 35-Br-81  
 Cross Section -100.0 To 6121. %



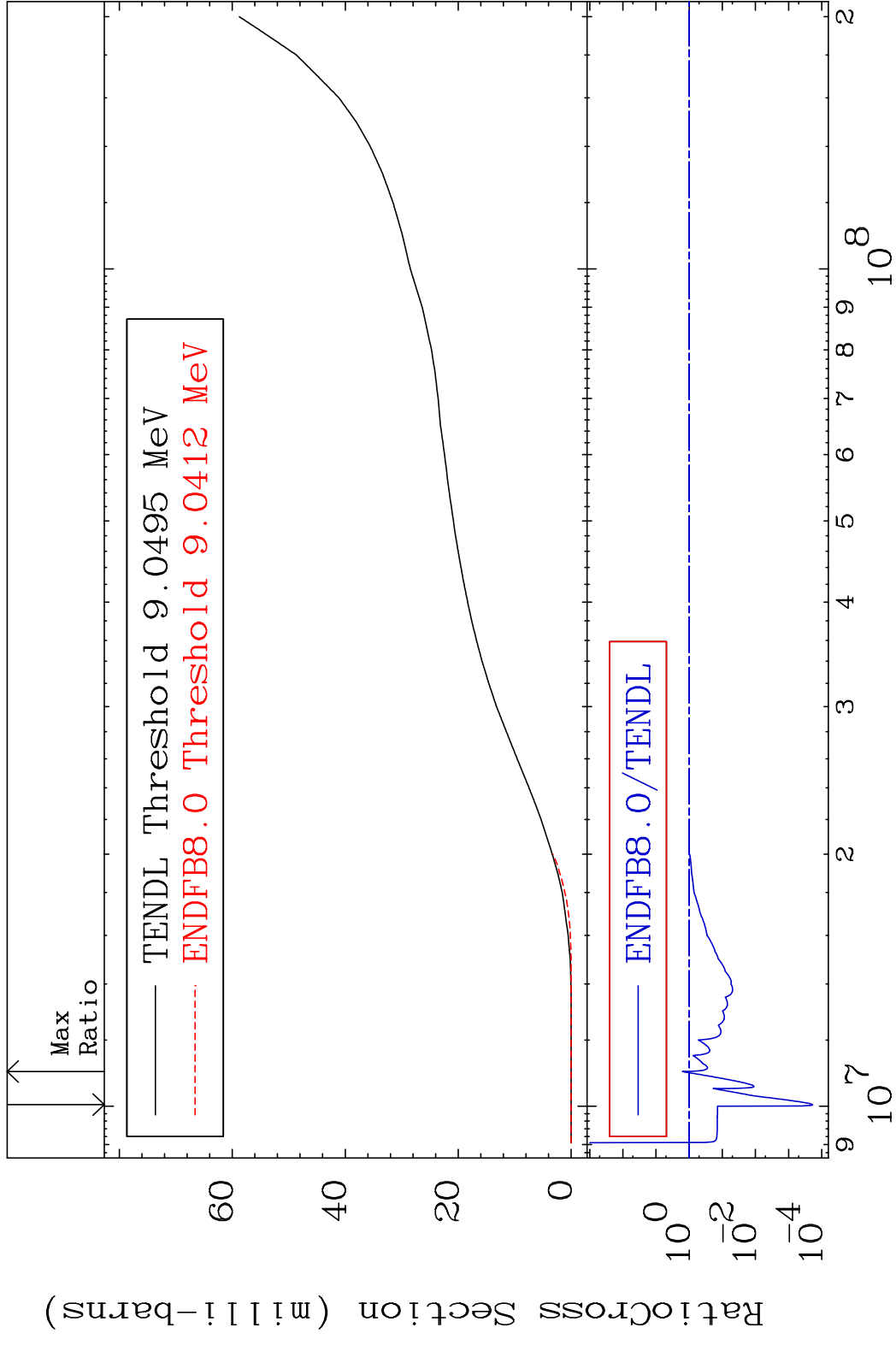
42 Incident Energy (eV) 35-Br-81

MAT 3531 Deuterium Production 35-Br-81  
 Cross Section -99.87 To 9.366 %



43 Incident Energy (eV) 35-Br-81

MAT 3531 Tritium Production 35-Br-81  
 Cross Section -99.98 To 60.46 %



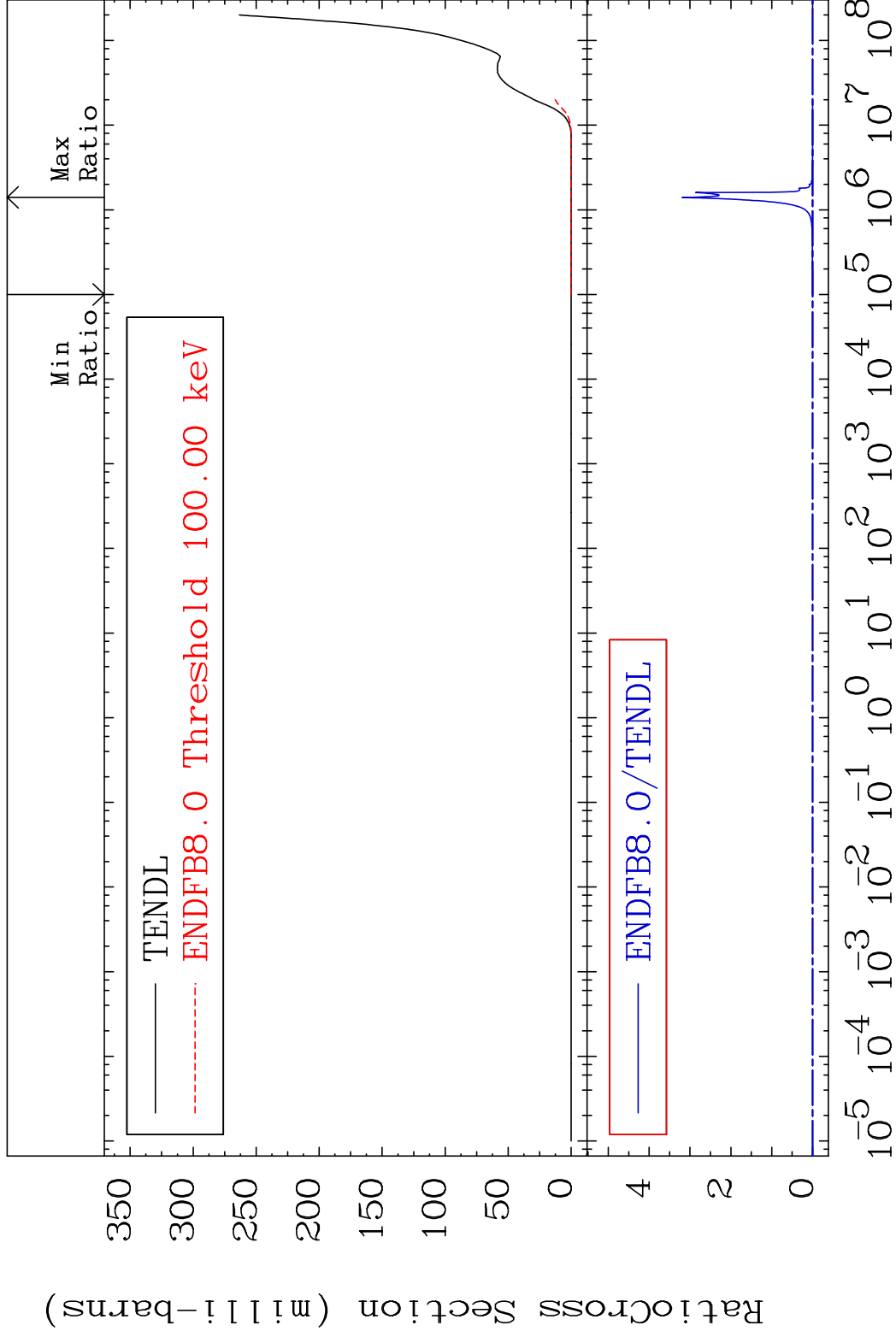
44 35-Br-81

MAT 3531

He-4 Production

35-Br-81

Cross Section -100.0 To 9999. %

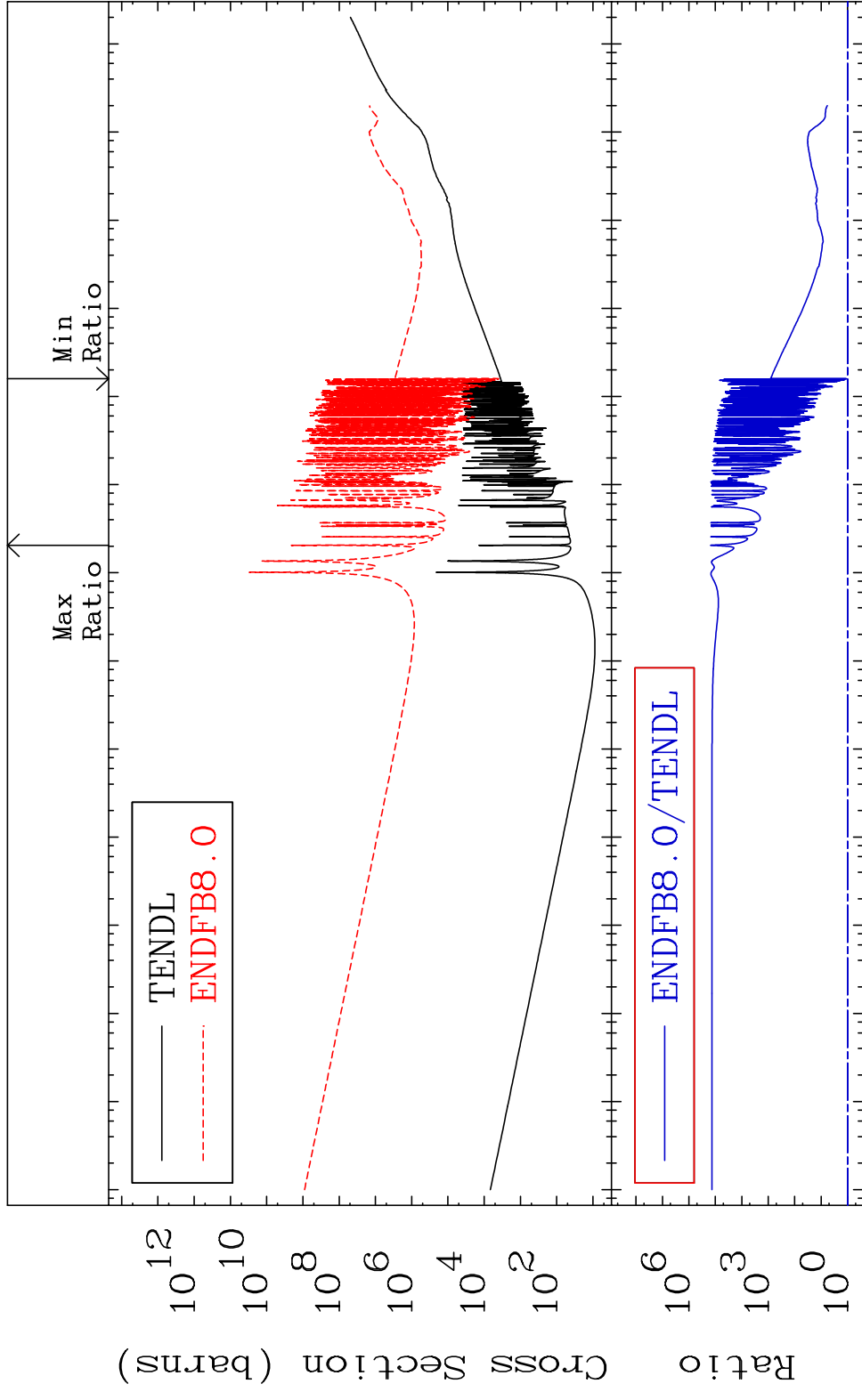


45

Incident Energy (eV)

35-Br-81

MAT 3531 Kerma total (eV-barns) 35-Br-81  
 Cross Section 11.74 To 9999. %



Ratio  
 10<sup>6</sup>  
 10<sup>3</sup>  
 10<sup>0</sup>

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

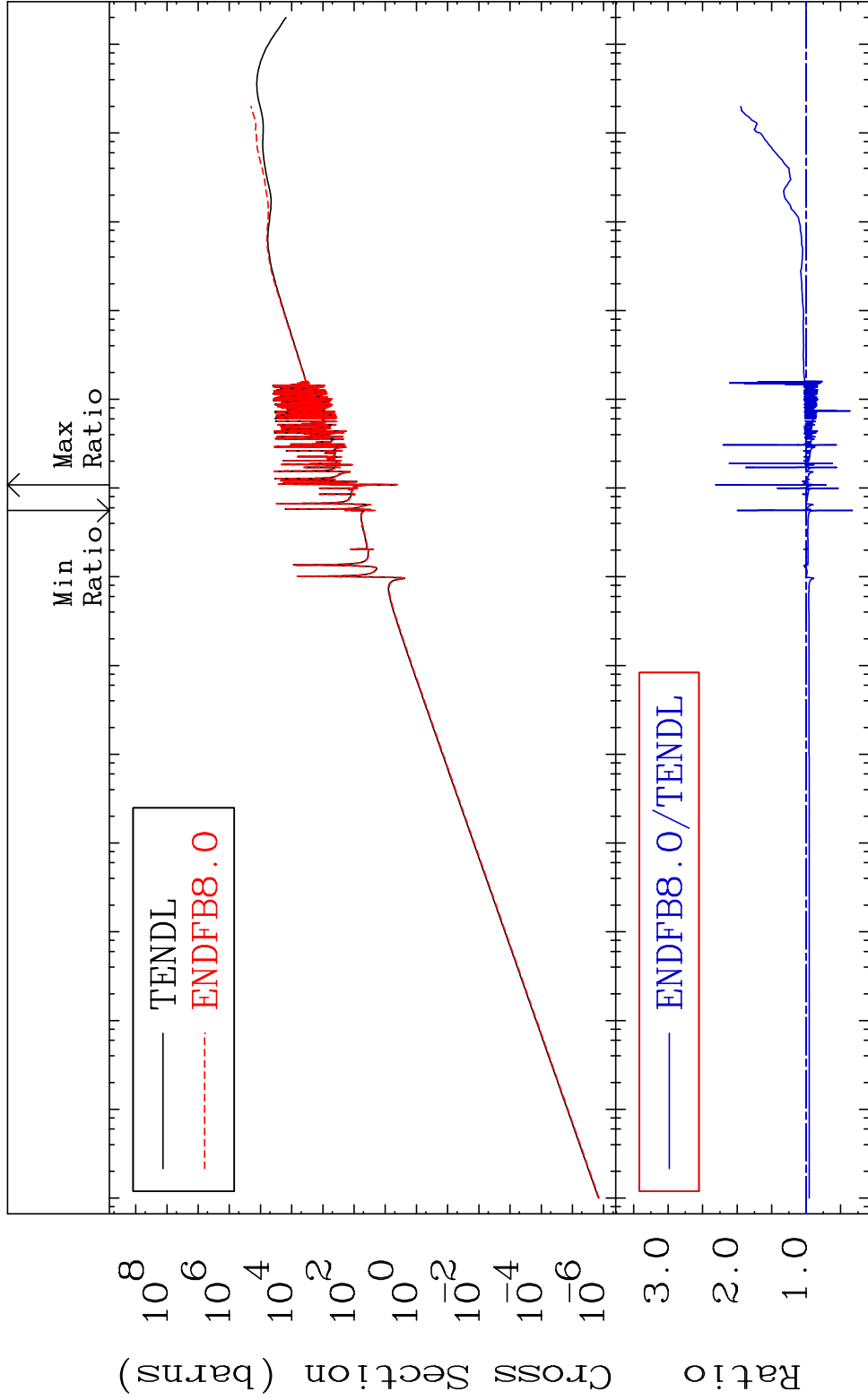
46 Incident Energy (eV) 35-Br-81

MAT 3531

Kerma elastic

35-Br-81

Cross Section -66.75 To 131.1 %



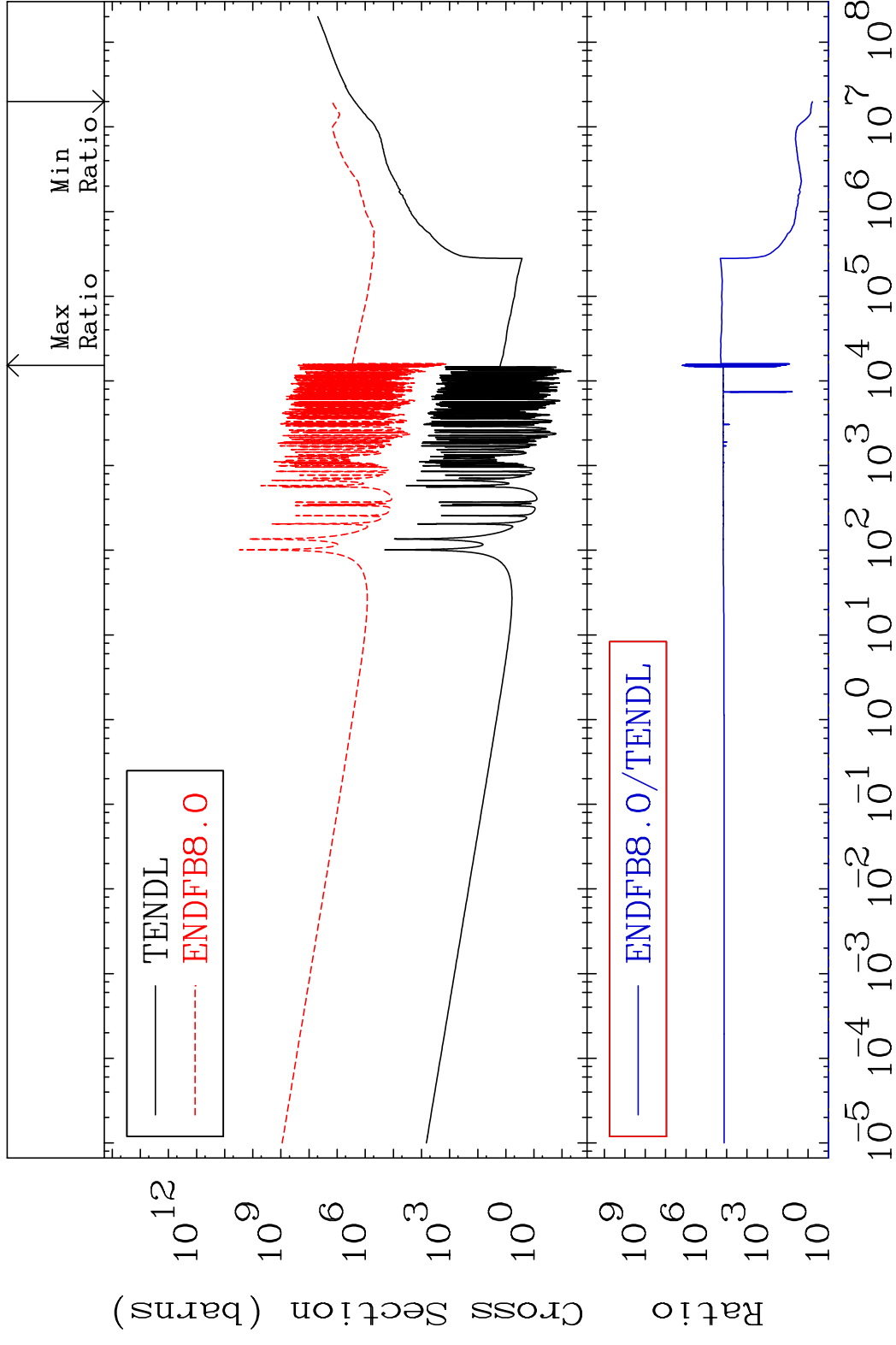
47

Incident Energy (eV)

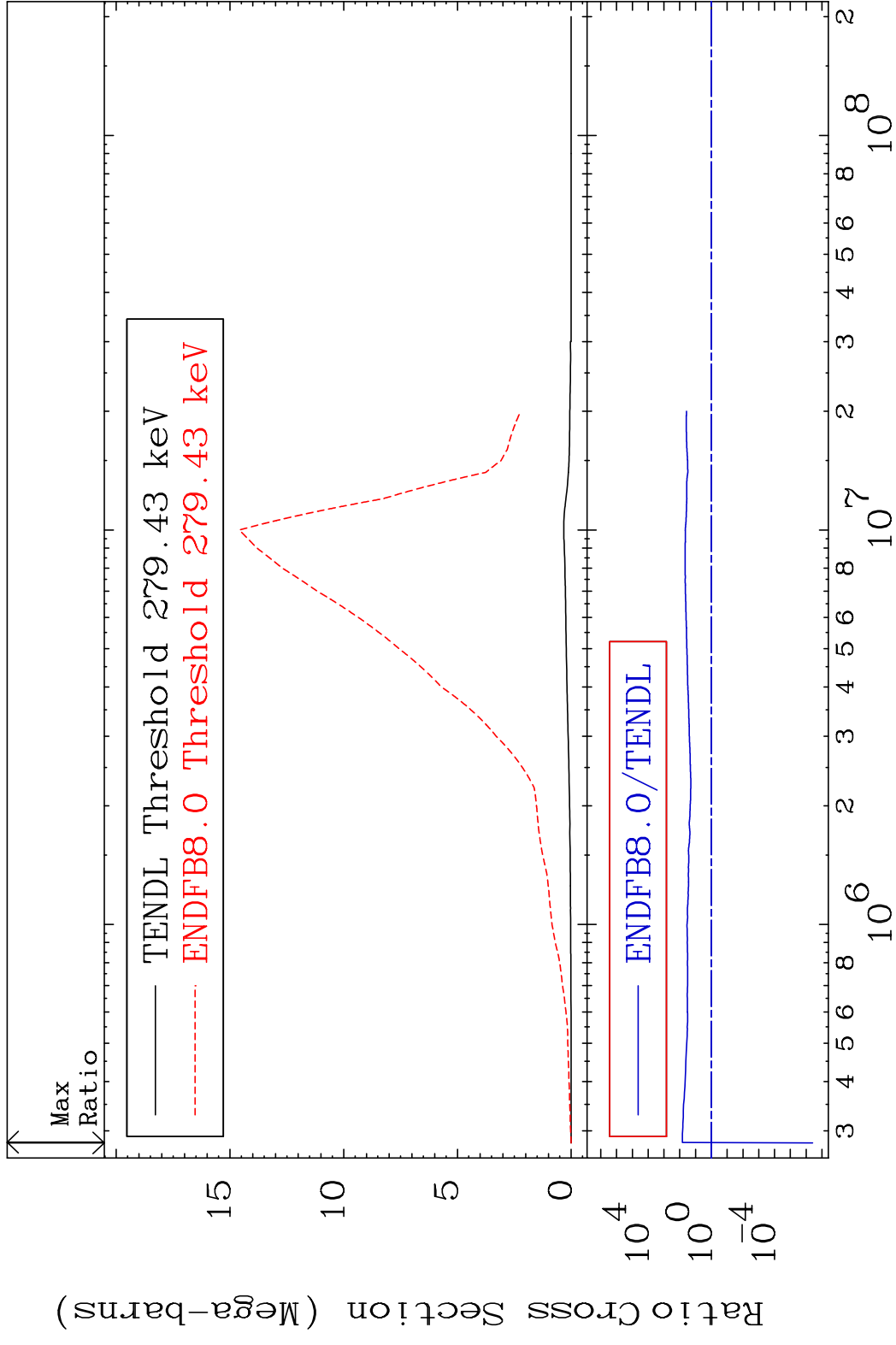
35-Br-81



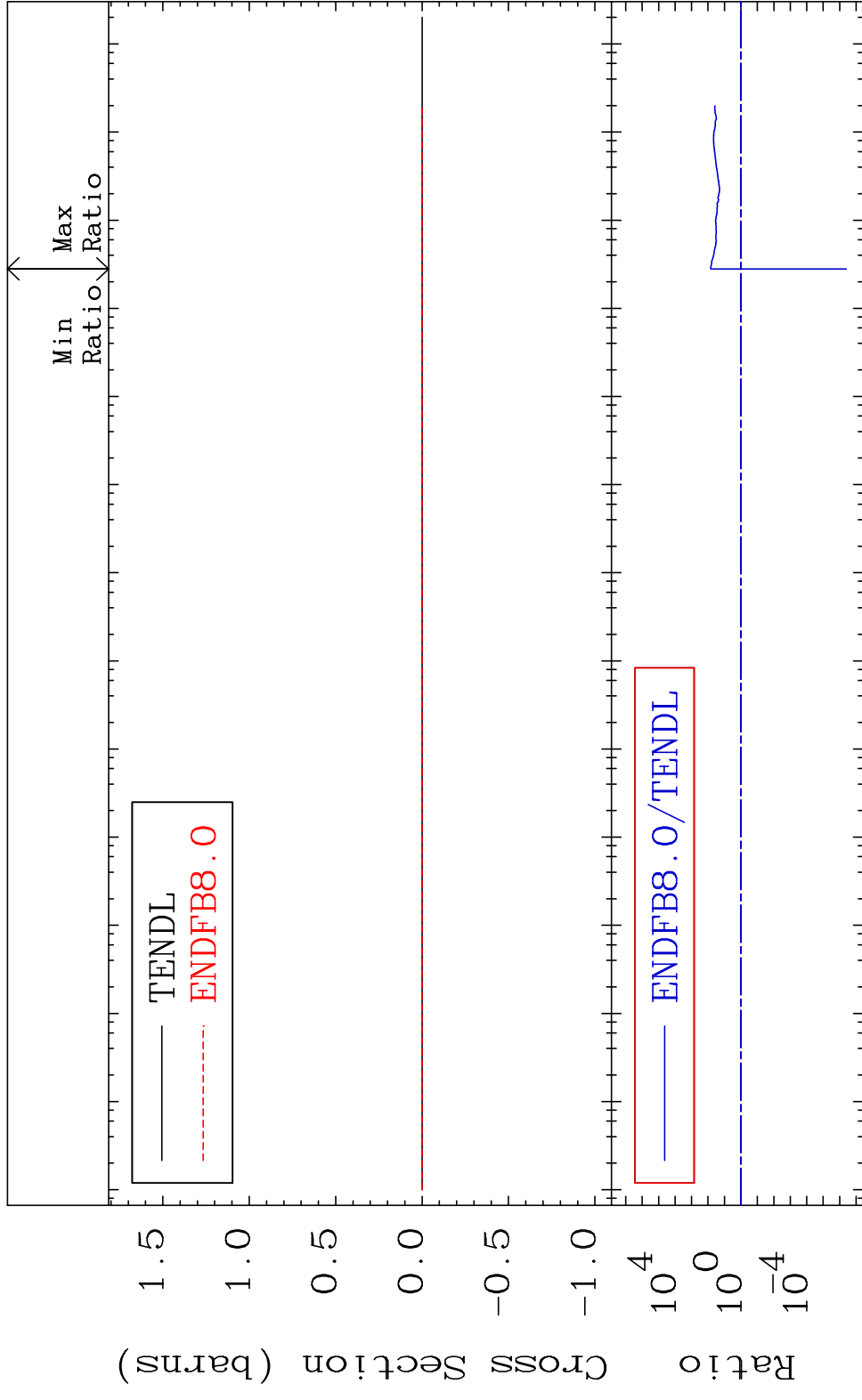
MAT 3531 Kerma non-elastic (all but mt2) 35-Br-81  
 Cross Section 502.2 To 9999. %



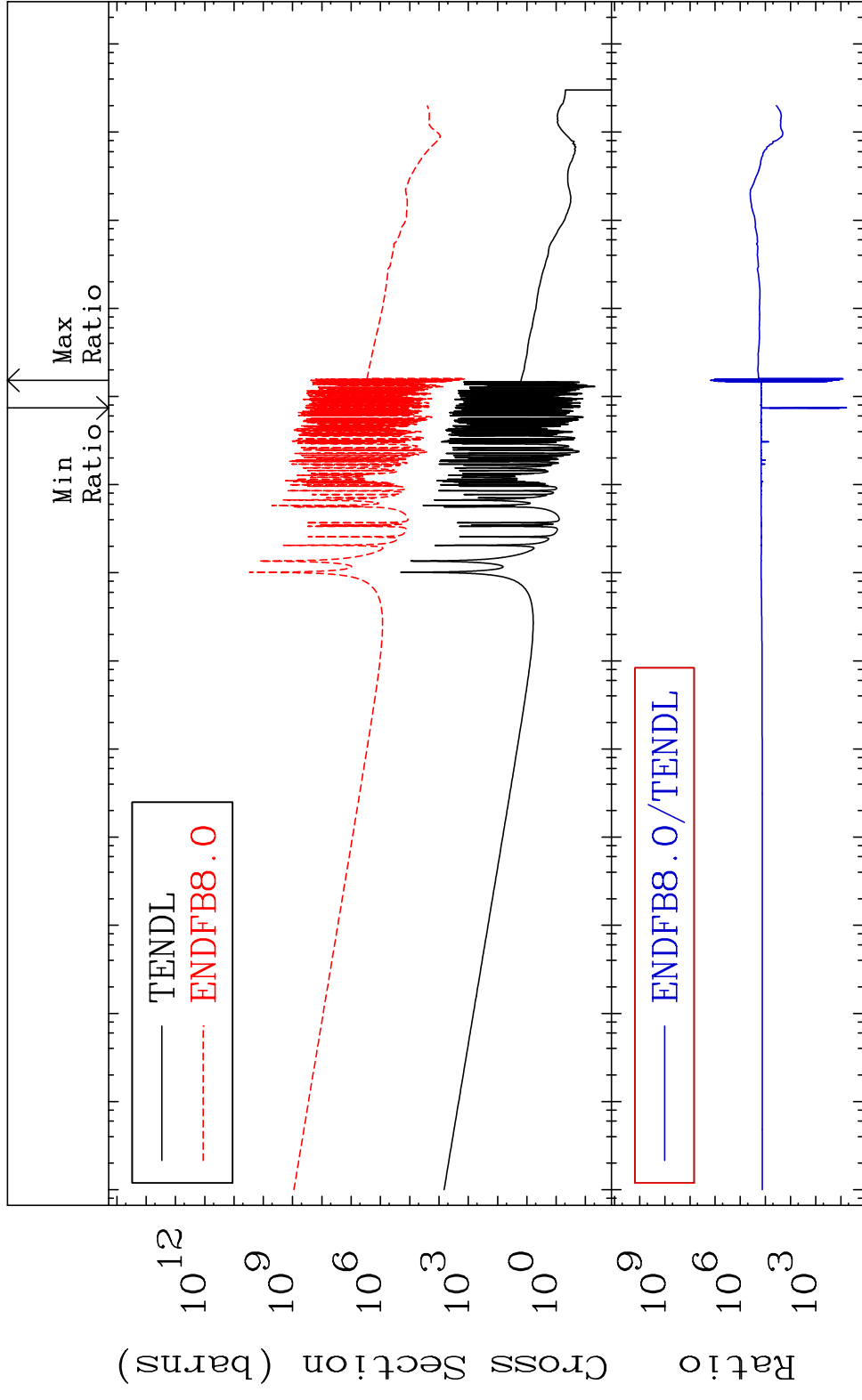
MAT 3531 Kerma inelastic (mt51-91) 35-Br-81  
 Cross Section -100.0 To 6742. %



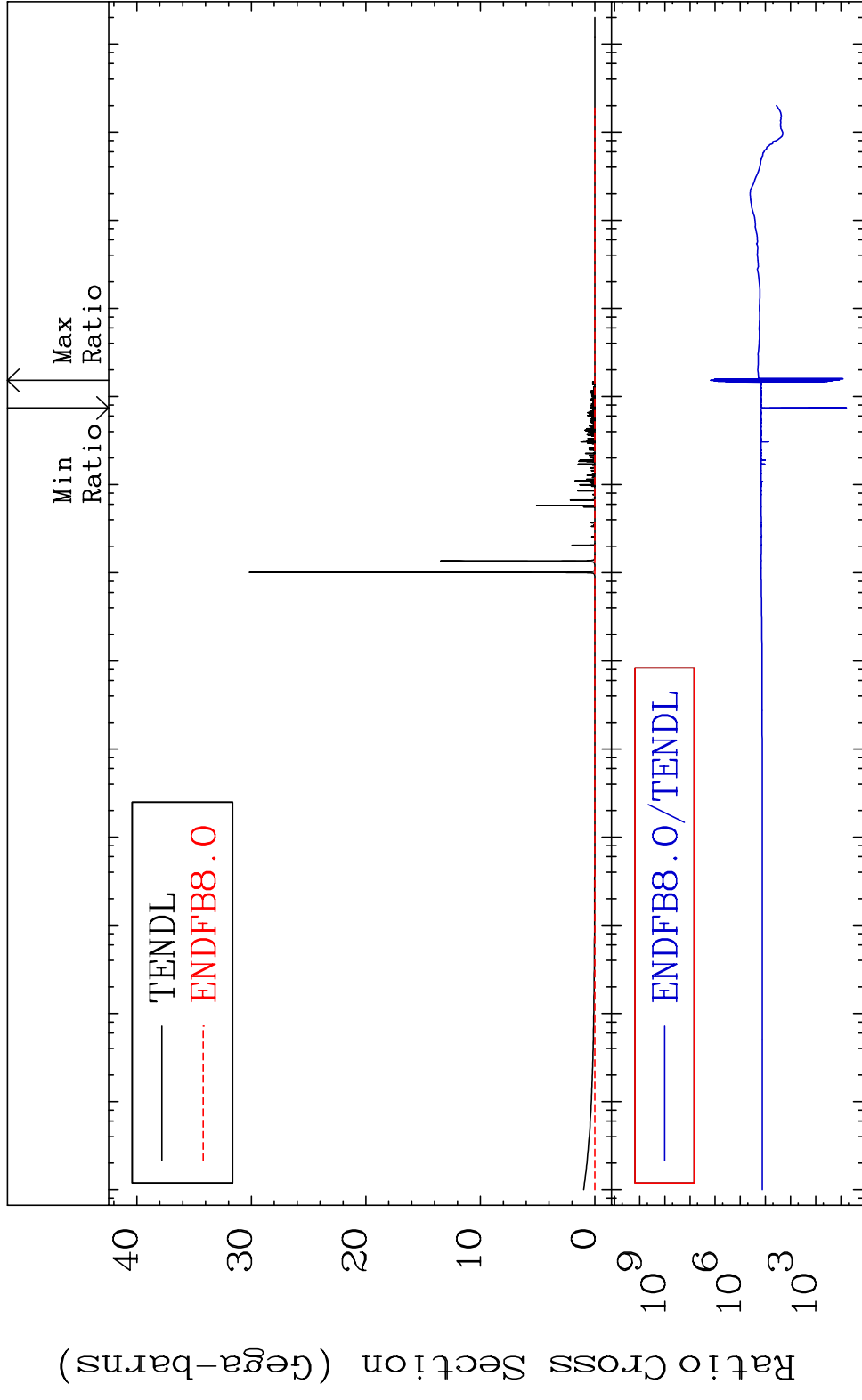
MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81  
 Cross Section -100.0 To 6742. %



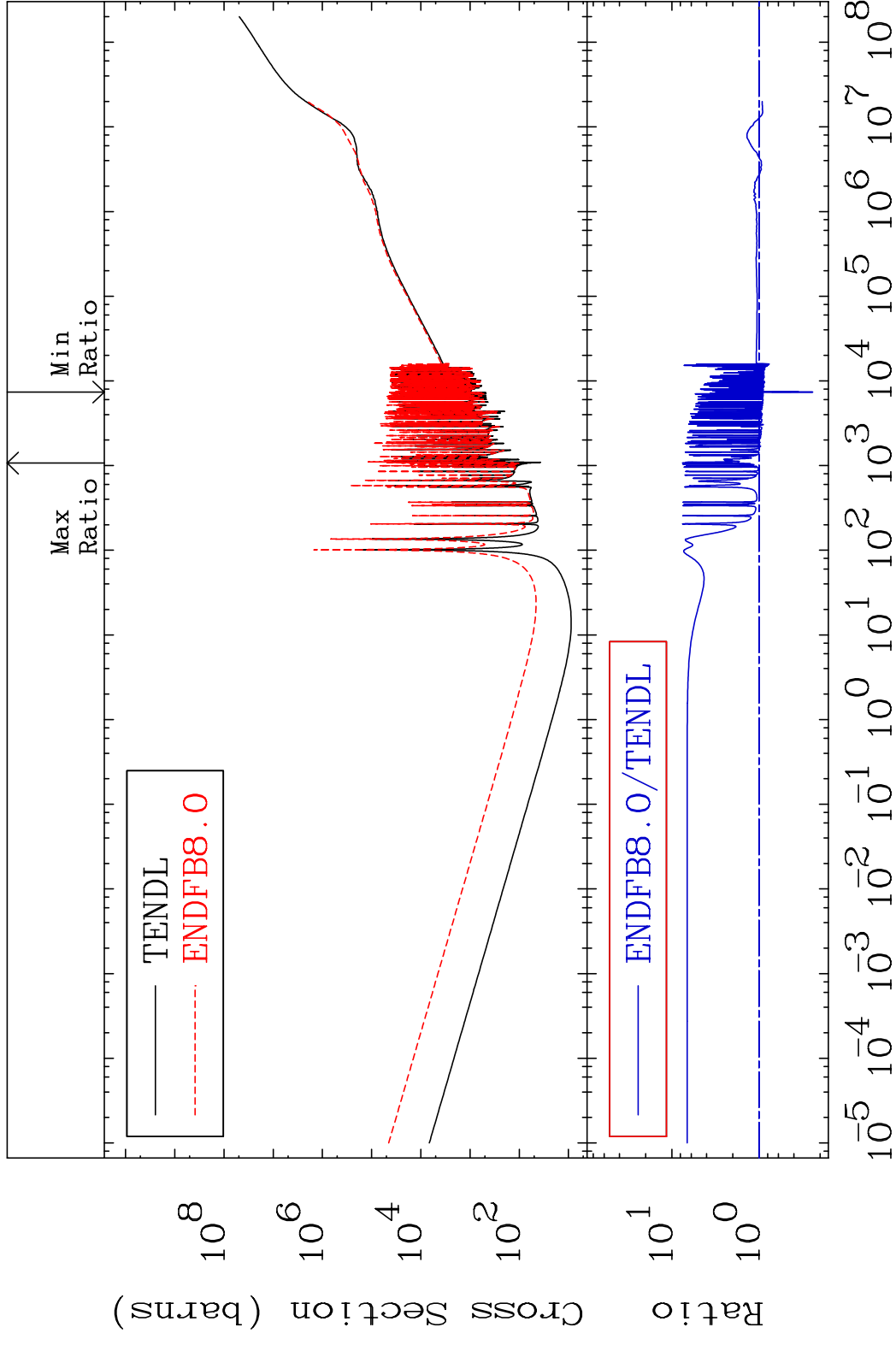
MAT 3531 Kerma capture (mt102) 35-Br-81  
 Cross Section 5979. To 9999. %



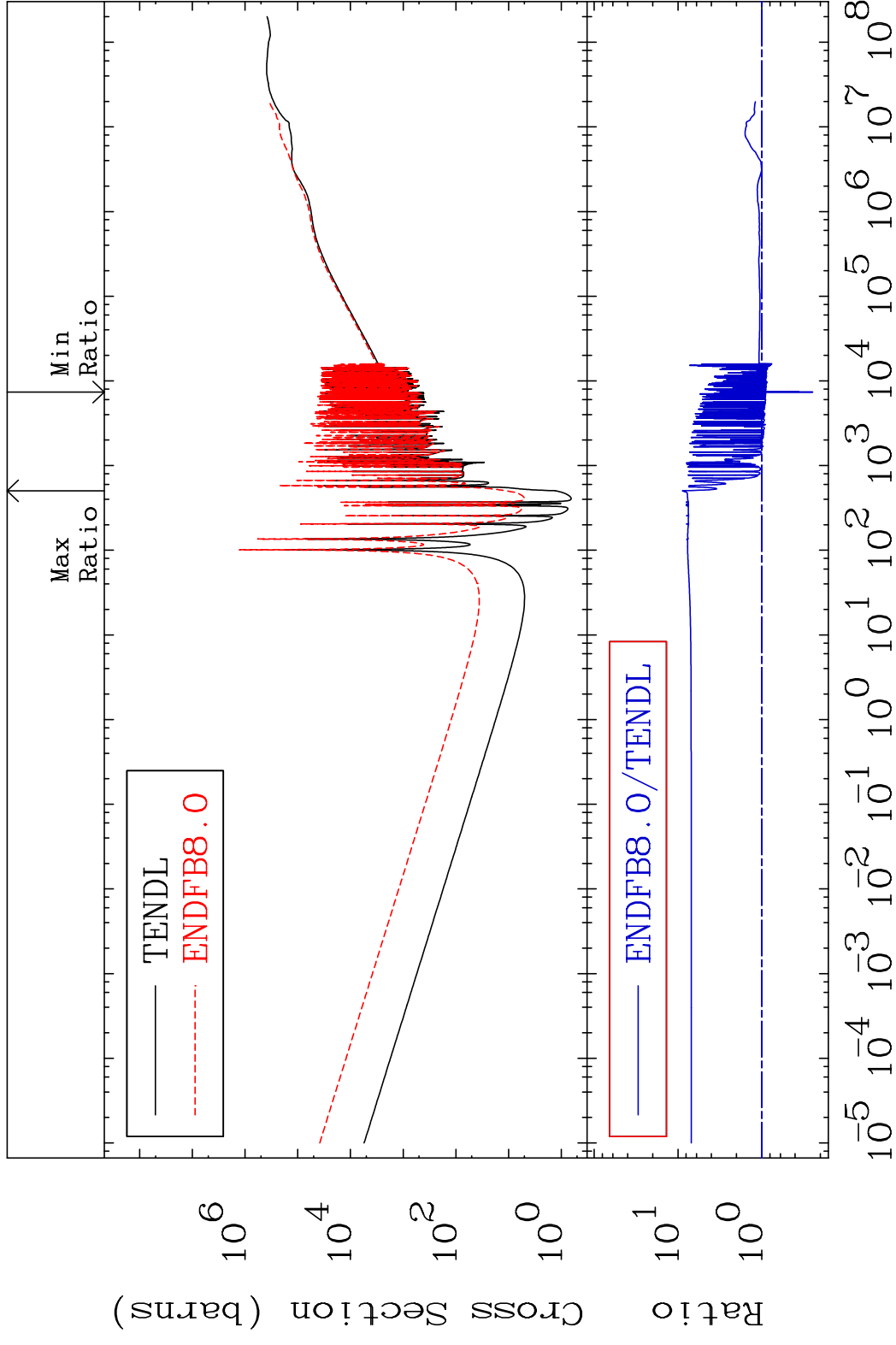
MAT 3531 Total photon (eV-barns) 35-Br-81  
 Cross Section 5979. To 9999. %



MAT 3531 Total kinematic kerma (high limit) 35-Br-81  
 Cross Section -75.61 To 659.3 %



MAT 3531      Dpa total (eV-barns)      35-Br-81  
 Cross Section      -75.24      To 786.9 %

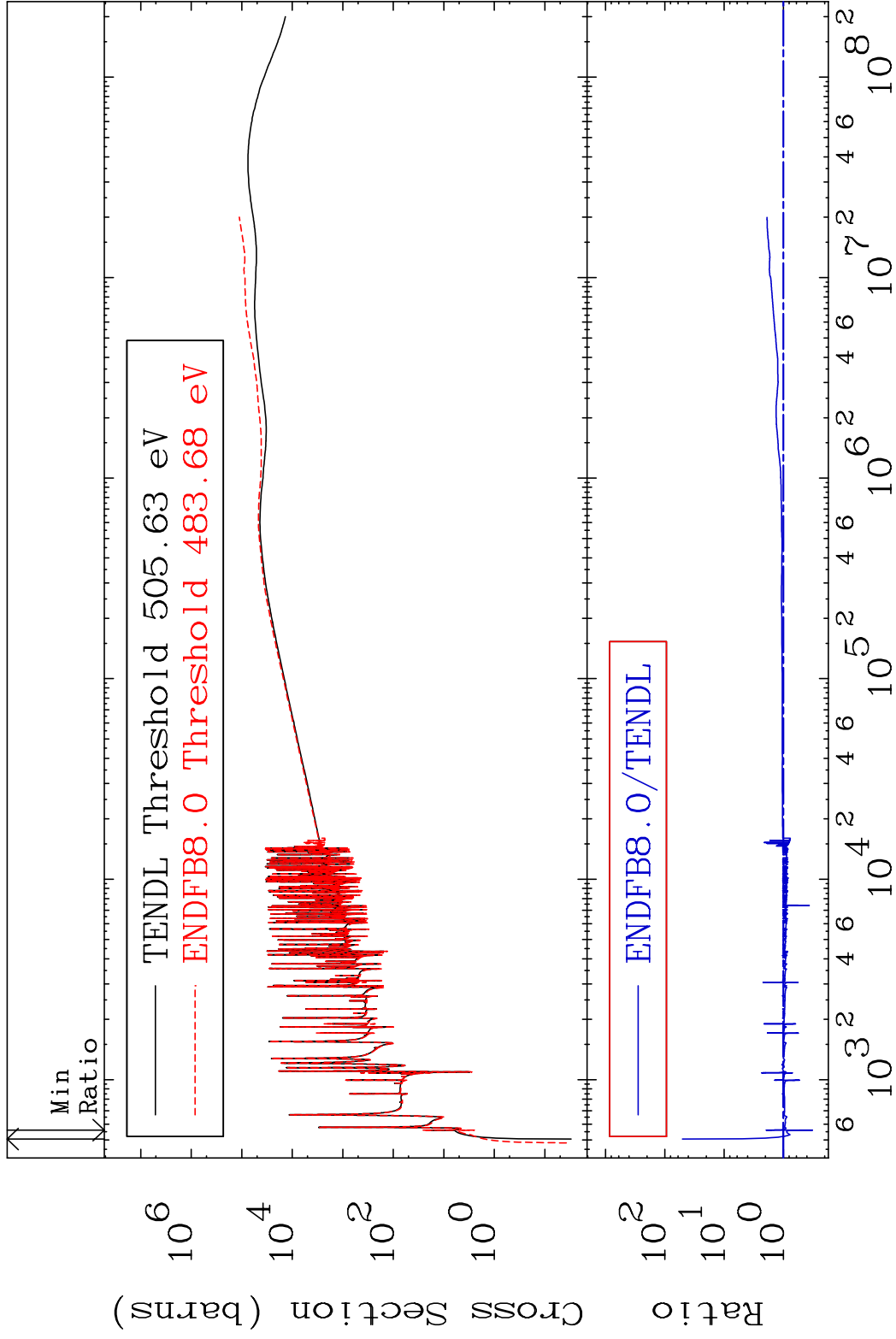


MAT 3531

Dpa elastic (mt2)

35-Br-81

Cross Section -67.86 To 4958. %



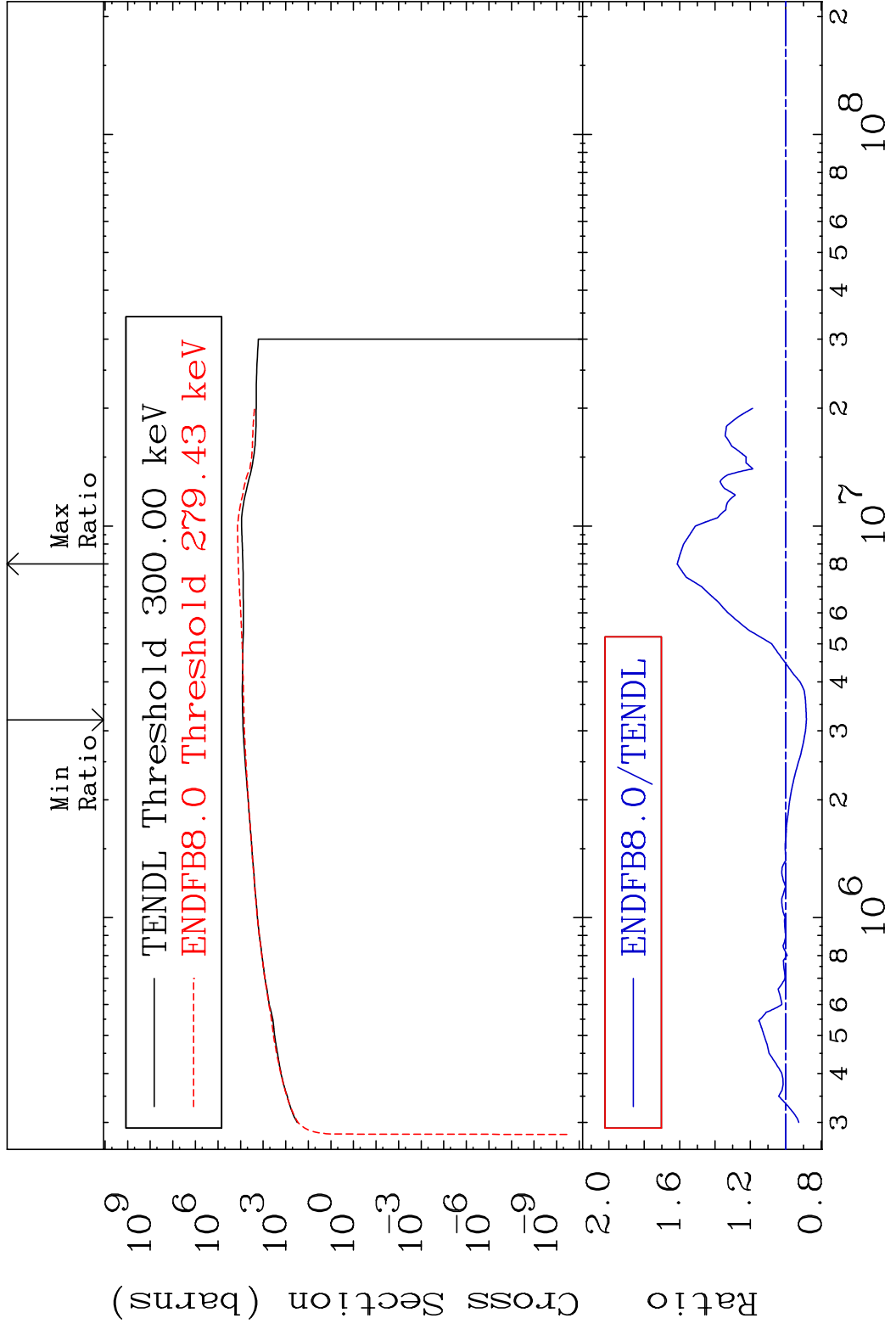
55

Incident Energy (eV)

35-Br-81



MAT 3531 Dpa inelastic (mt51-91) 35-Br-81  
 Cross Section -11.70 To 61.37 %



MAT 3531 Dpa disappearance (mt102 -120) 35-Br-81  
 Cross Section -99.61 To 9999. %

