

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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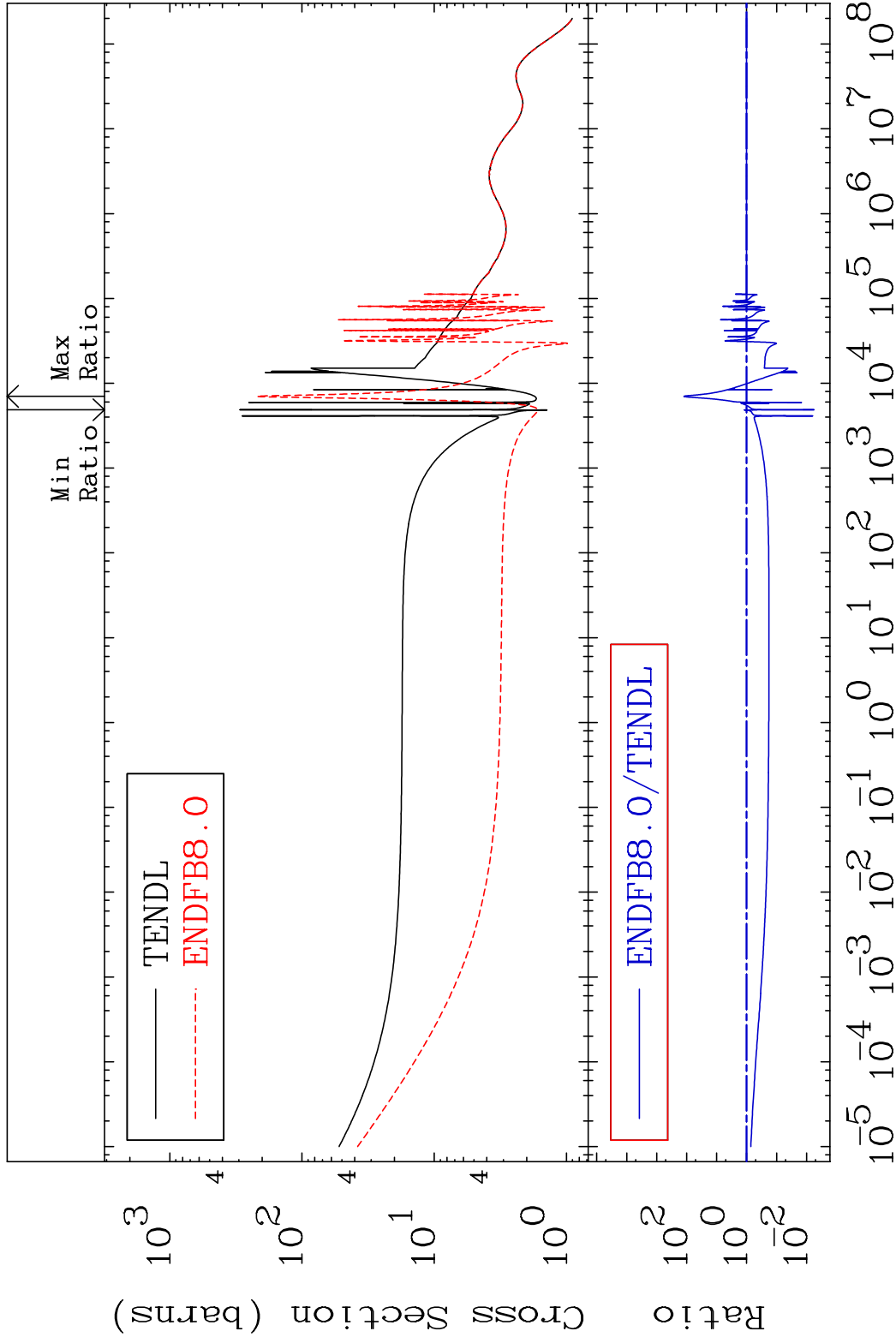
Press Mouse Button to Start

MAT 2046

Total

20-Ca-47

Cross Section -99.44 To 9999. %



1

Incident Energy (eV)

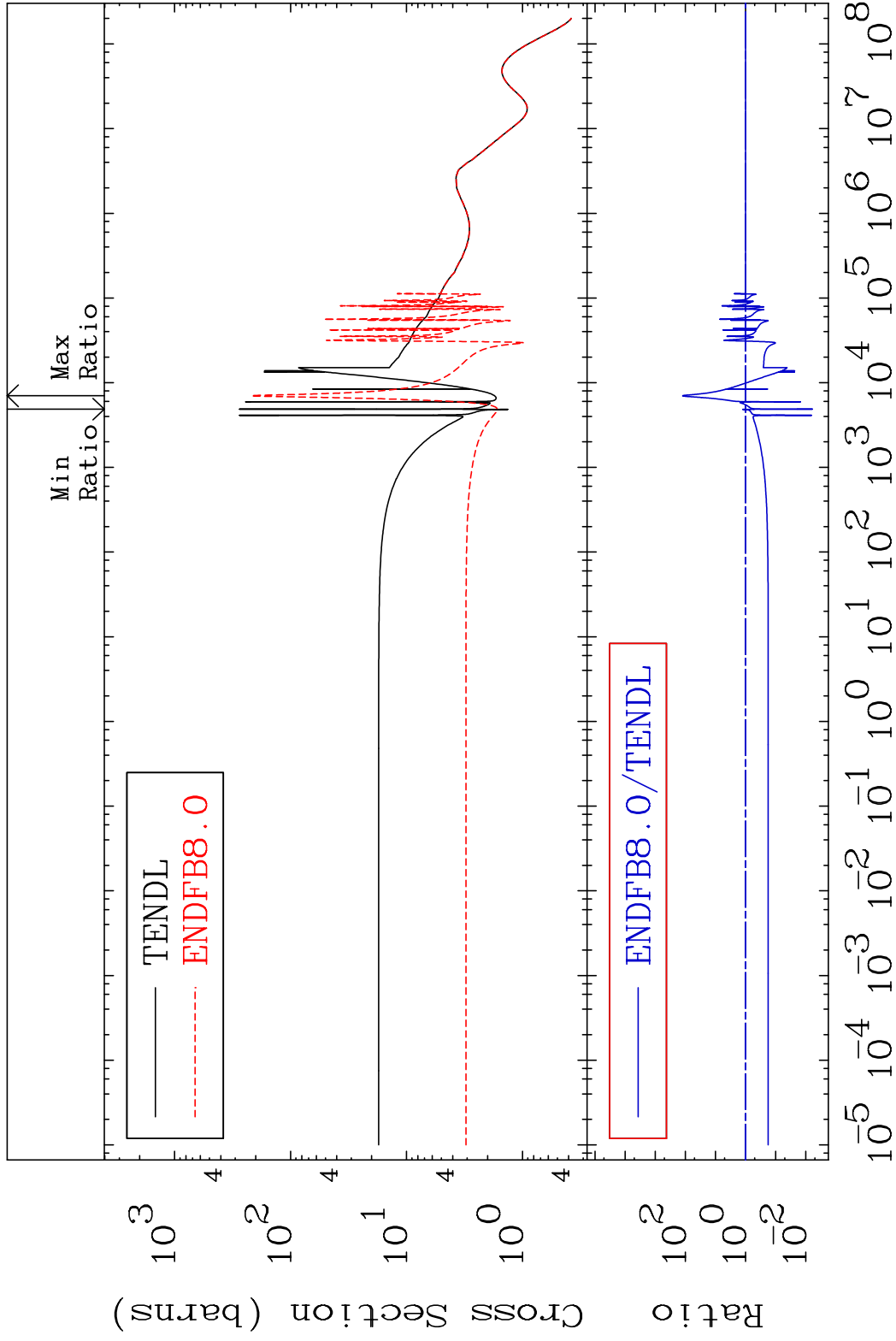
20-Ca-47

MAT 2046

Elastic

20-Ca-47

Cross Section -99.40 To 9999. %

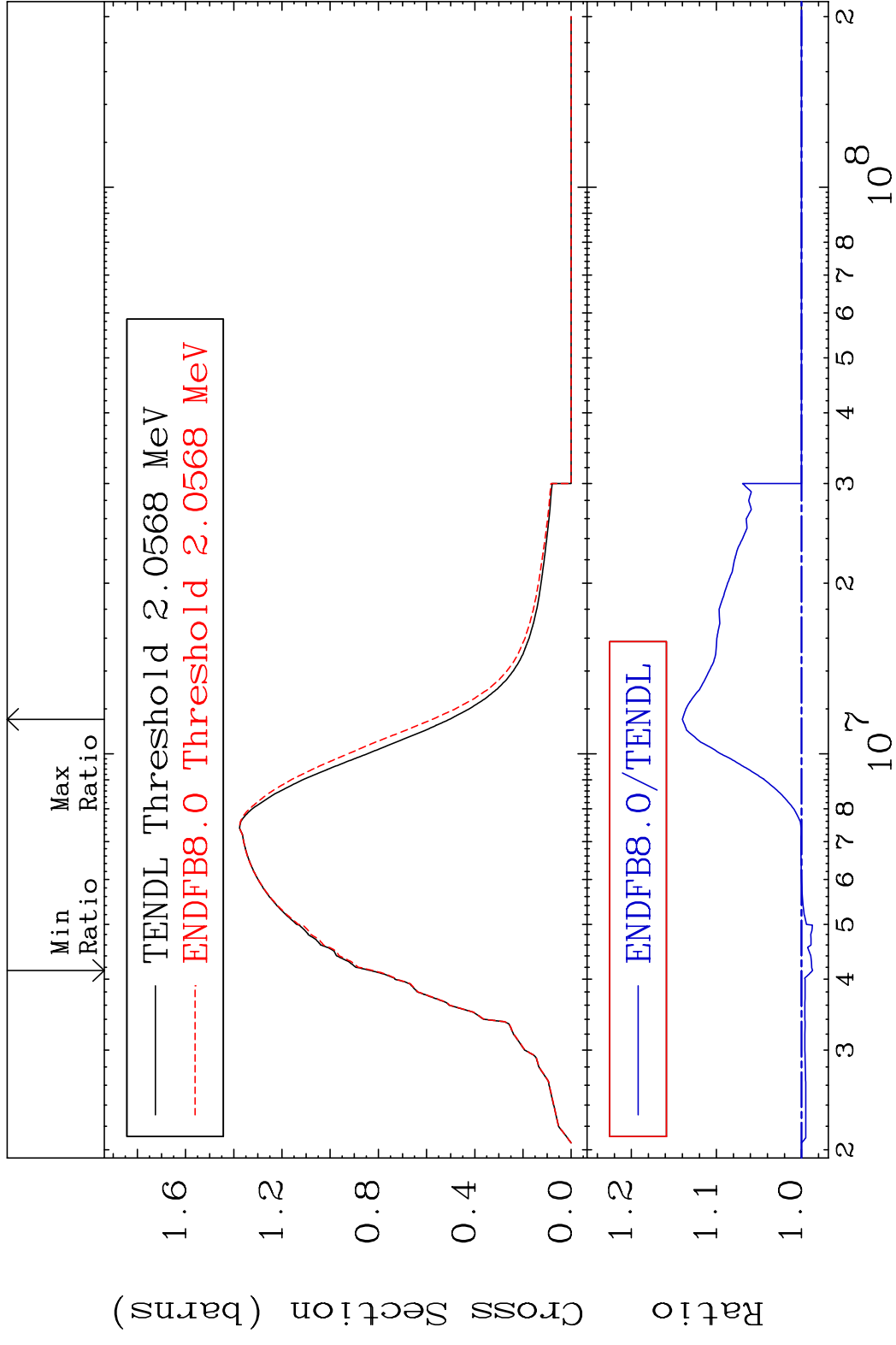


2

Incident Energy (eV)

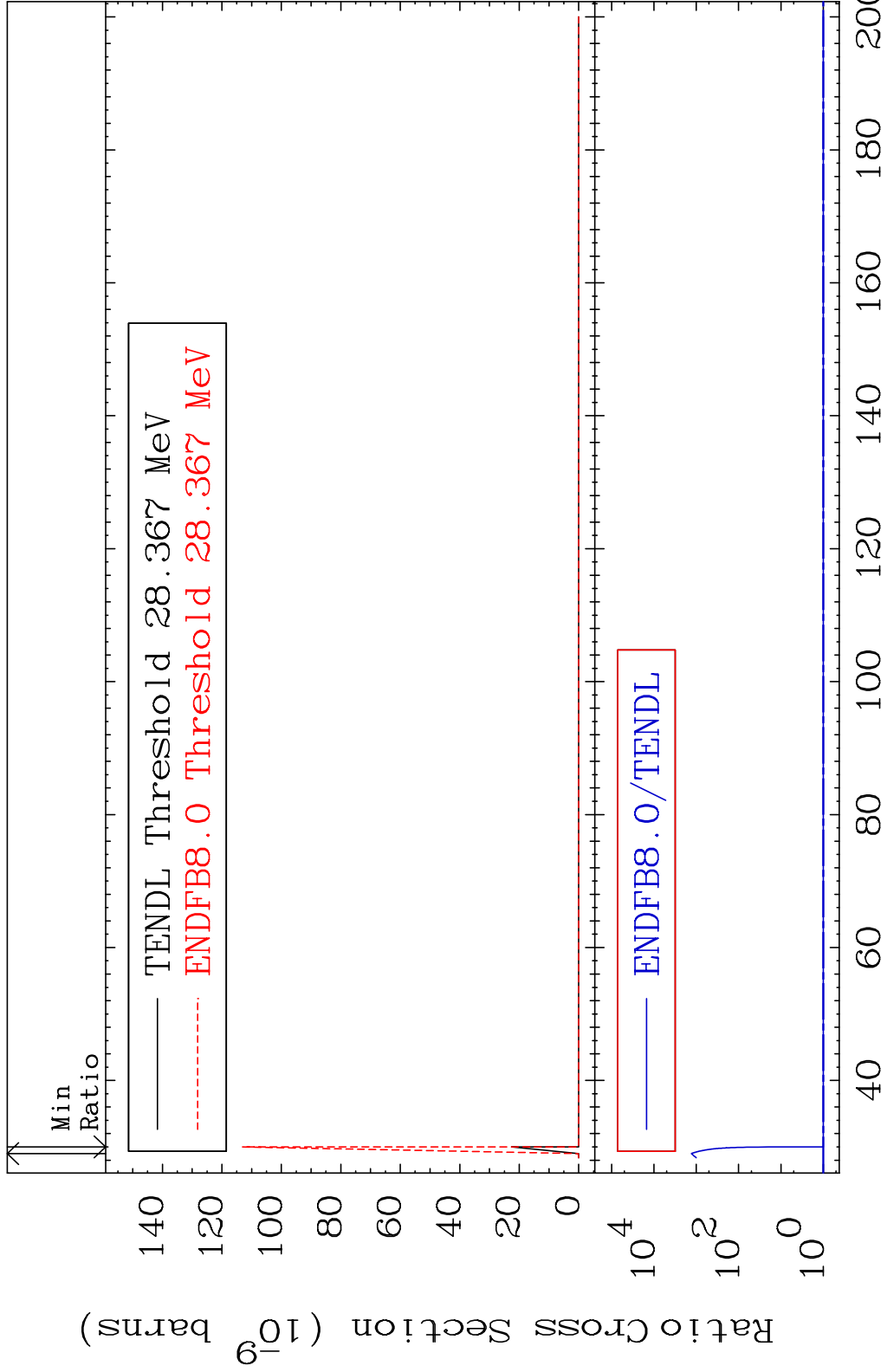
20-Ca-47

MAT 2046 Inelastic 20-Ca-47  
 Cross Section -1.303 To 14.00 %

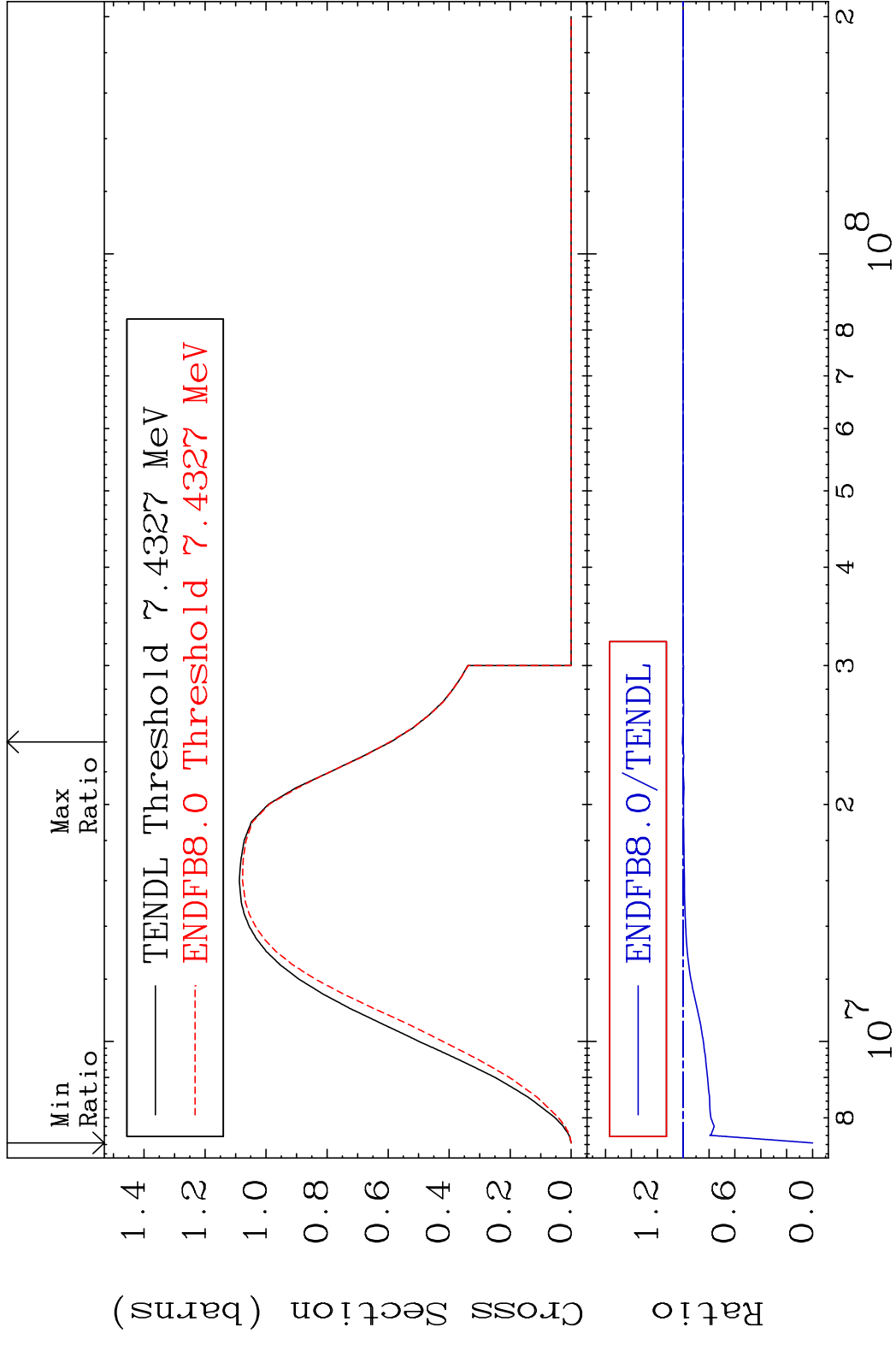


3 Incident Energy (eV) 20-Ca-47

MAT 2046 (n,2n) d 20-Ca-47  
 Cross Section 0.000 To 9999. %

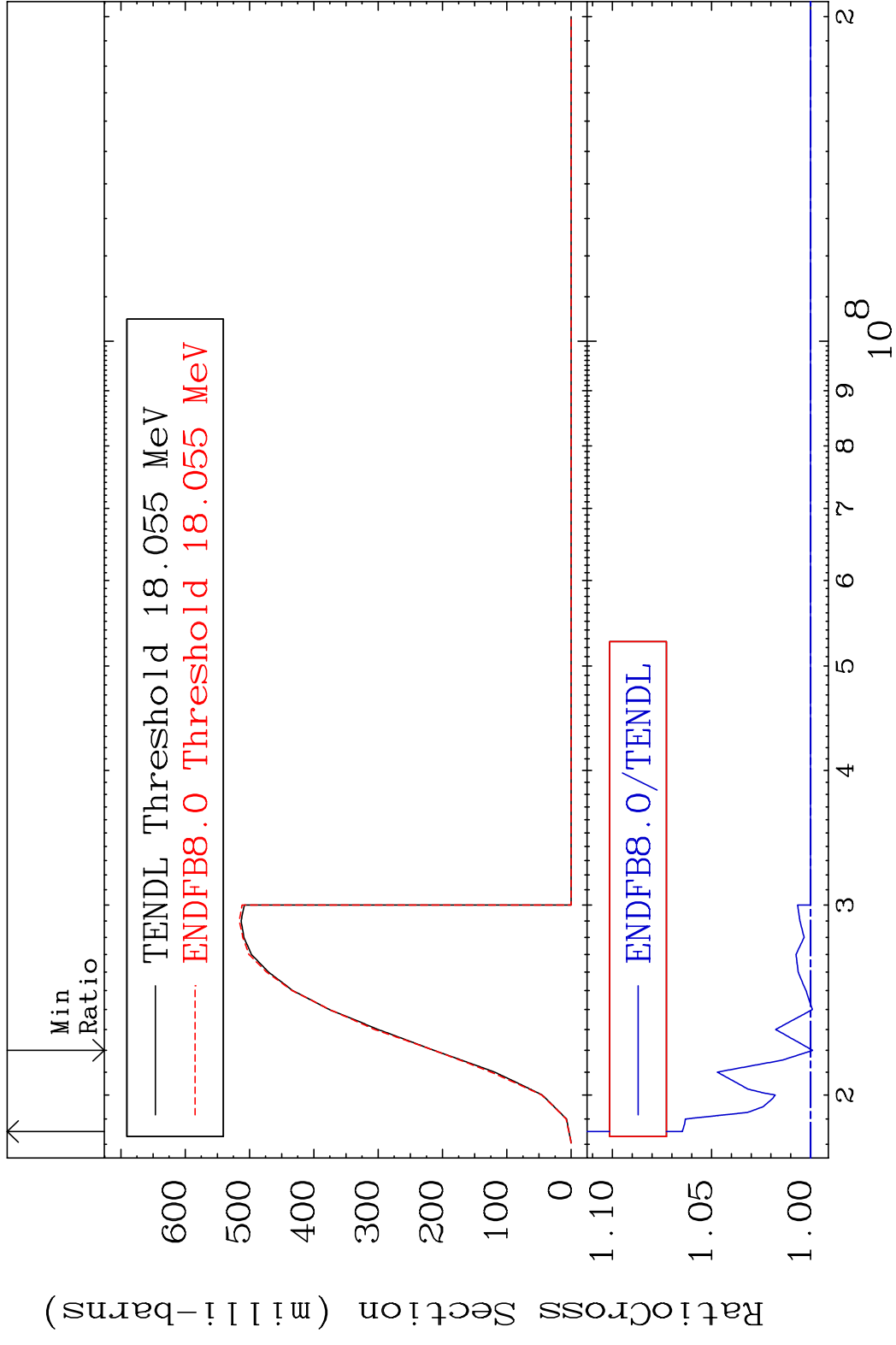


MAT 2046 (n,2n) 20-Ca-47  
 Cross Section -100.0 To 0.574 %



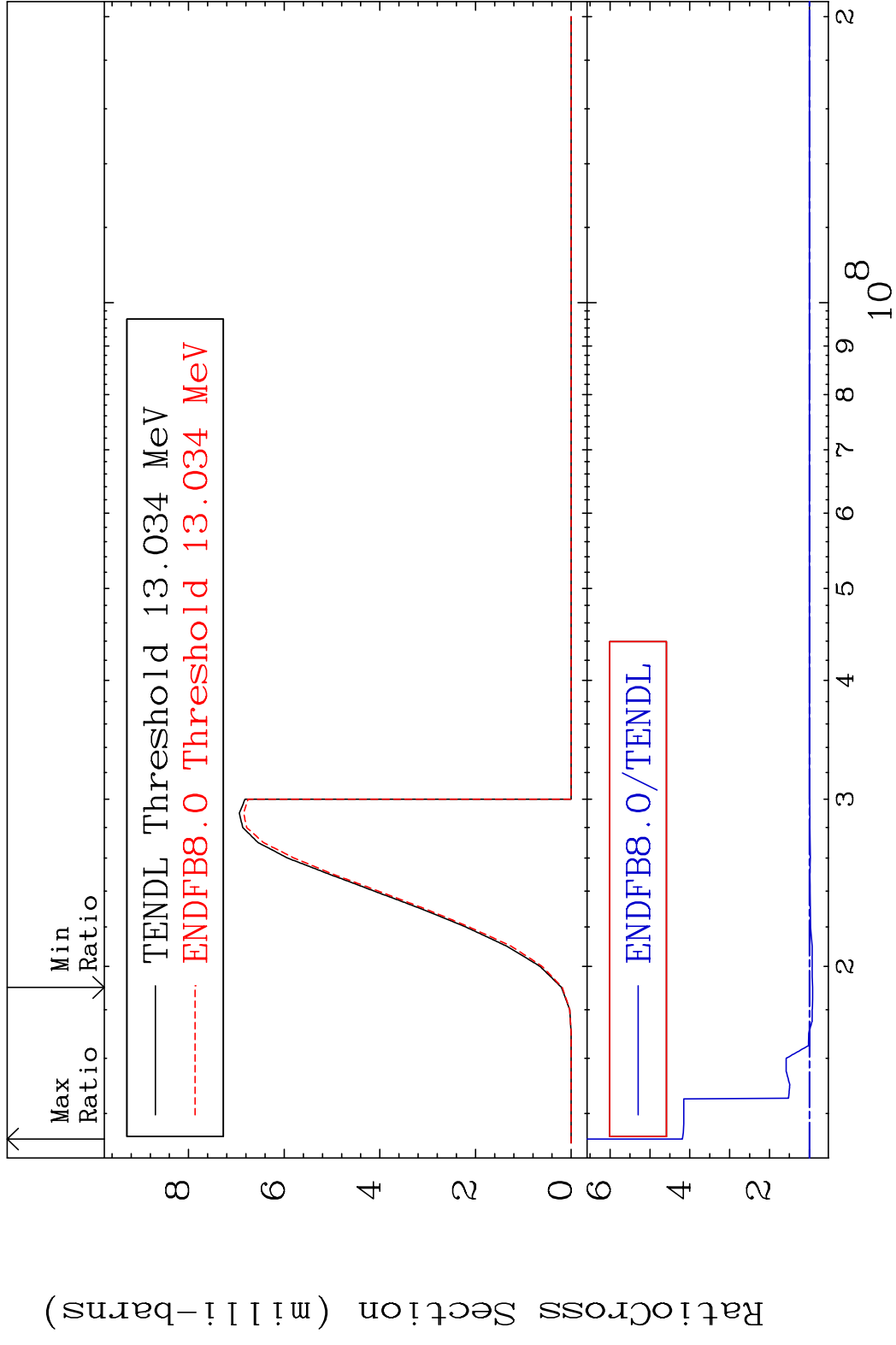
5 Incident Energy (eV) 20-Ca-47

MAT 2046 (n,3n) 20-Ca-47  
 Cross Section -0.098 To 6.472 %



6 Incident Energy (eV) 20-Ca-47

MAT 2046 (n, n')  $\alpha$  20-Ca-47  
 Cross Section -8.044 To 318.6 %

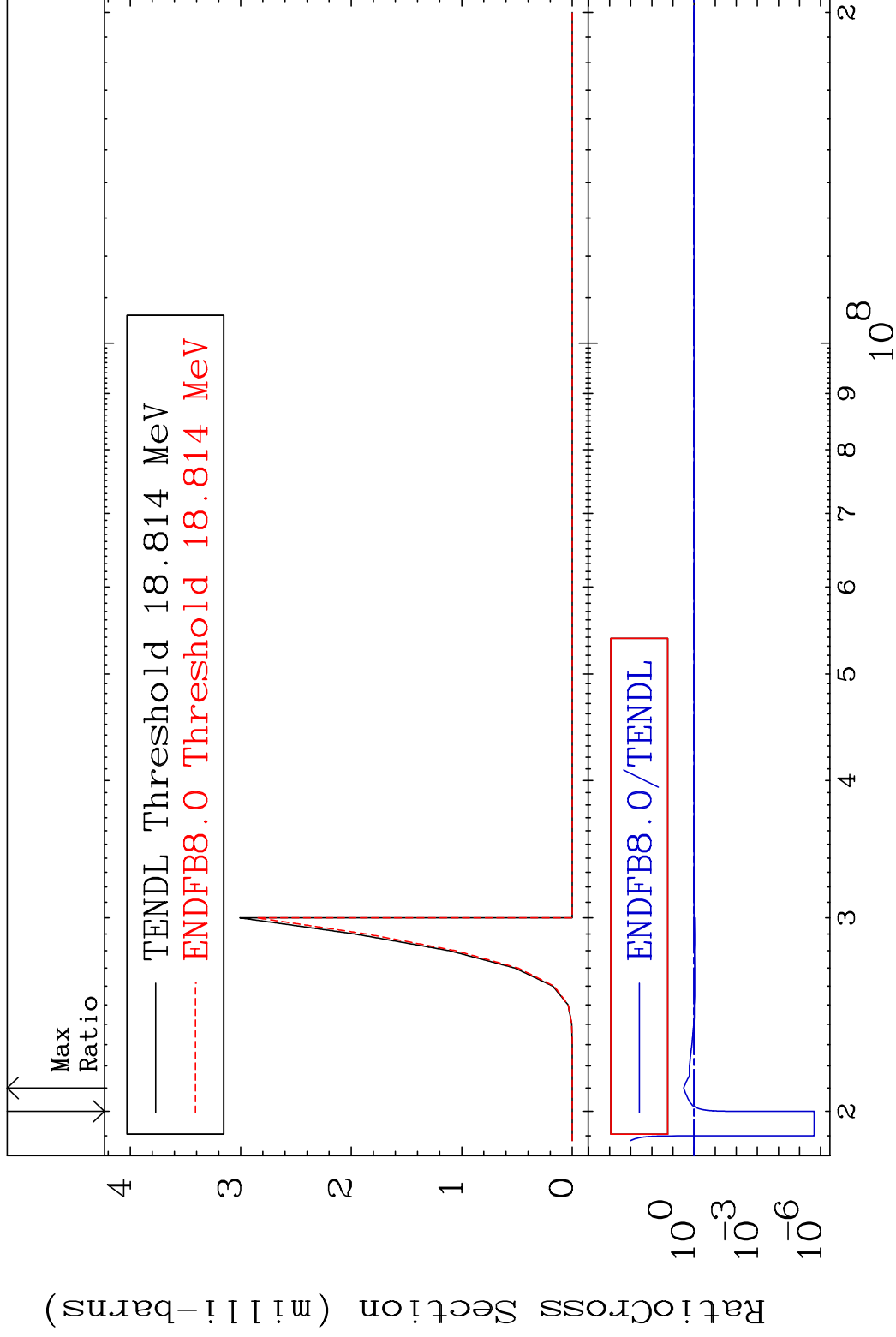


MAT 2046

(n,2n)  $\alpha$

20-Ca-47

Cross Section -100.0 To 211.2 %

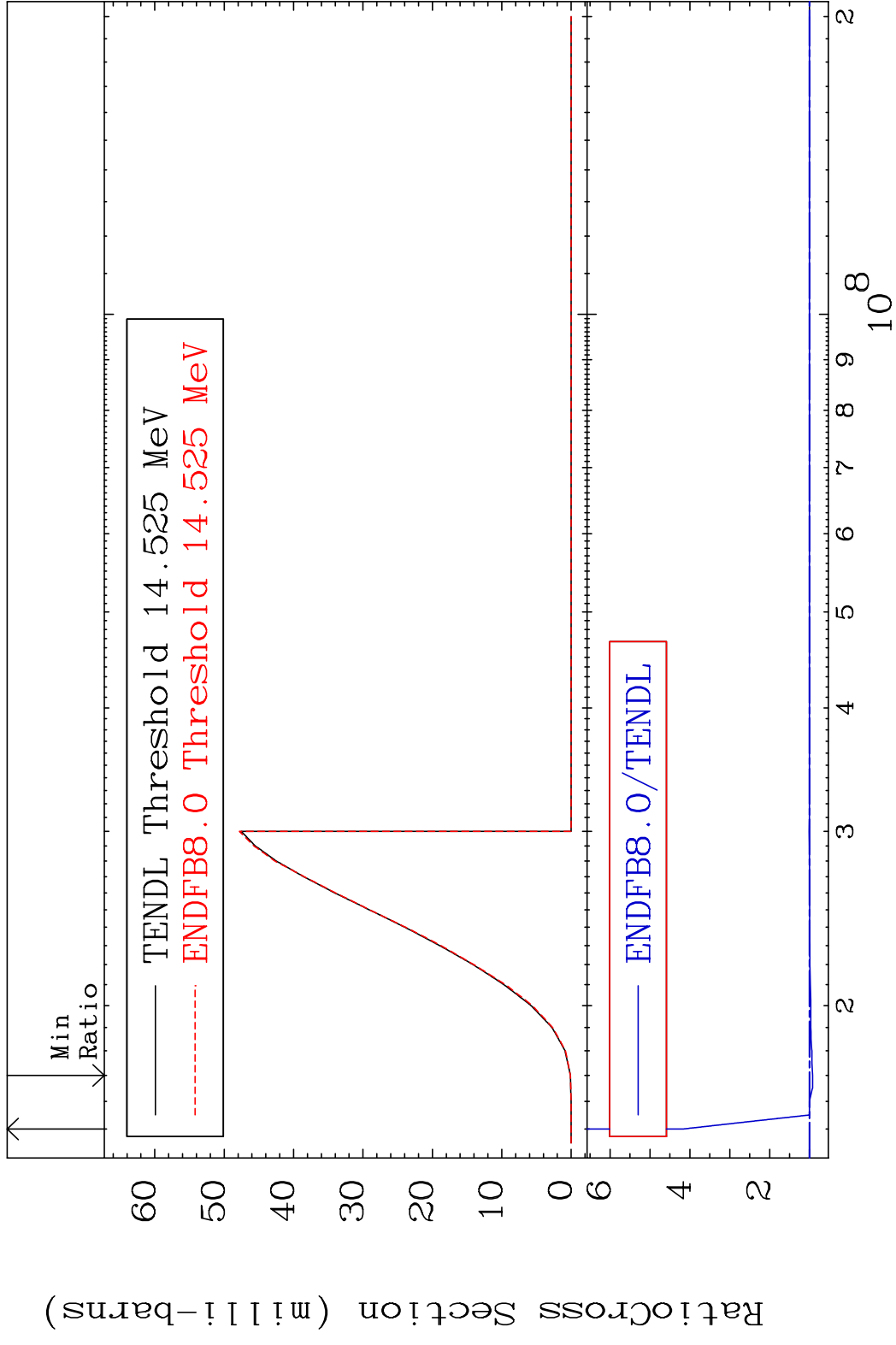


8

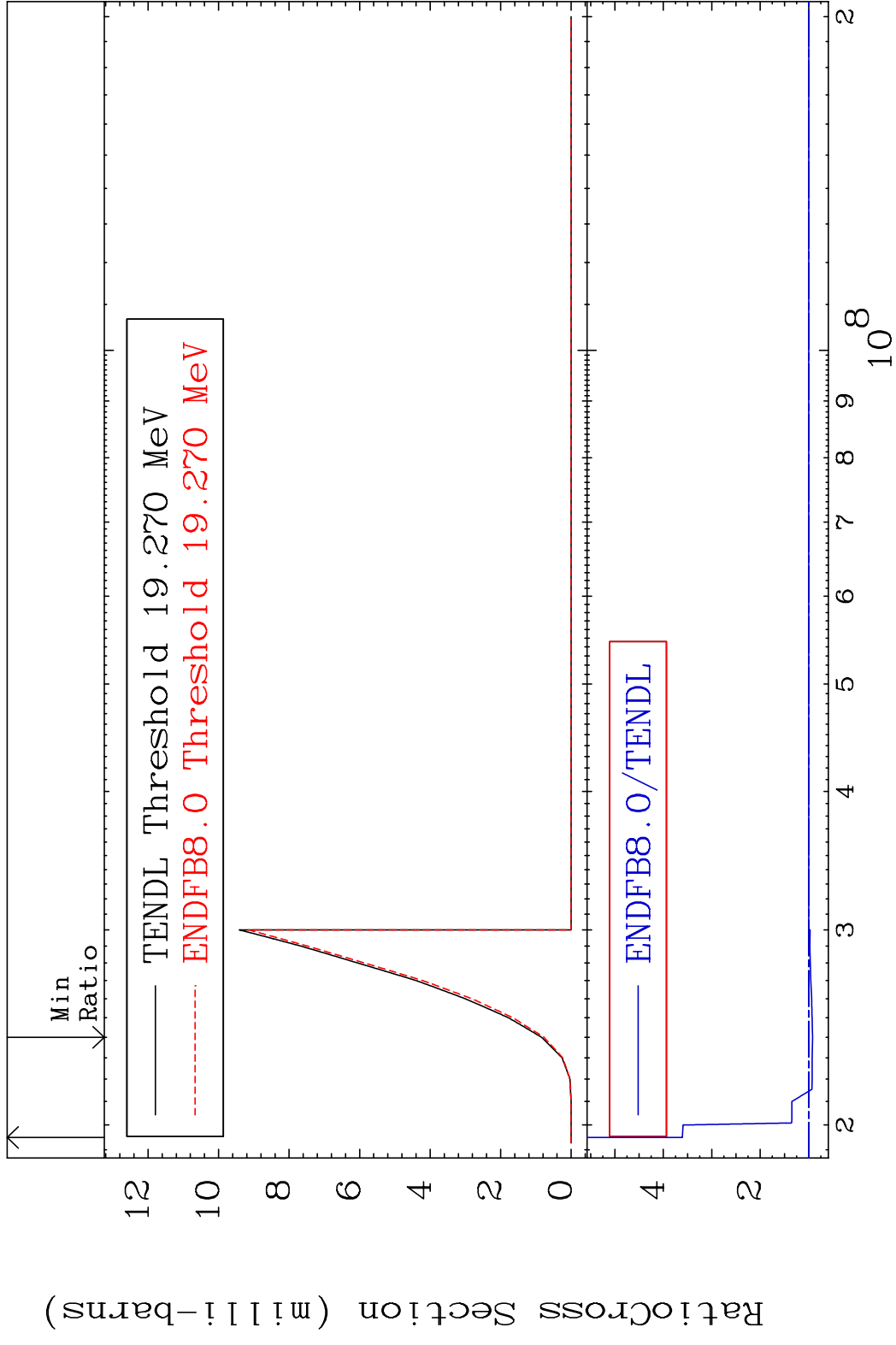
Incident Energy (eV)

20-Ca-47

MAT 2046 (n, n') p 20-Ca-47  
 Cross Section -7.610 To 318.8 %

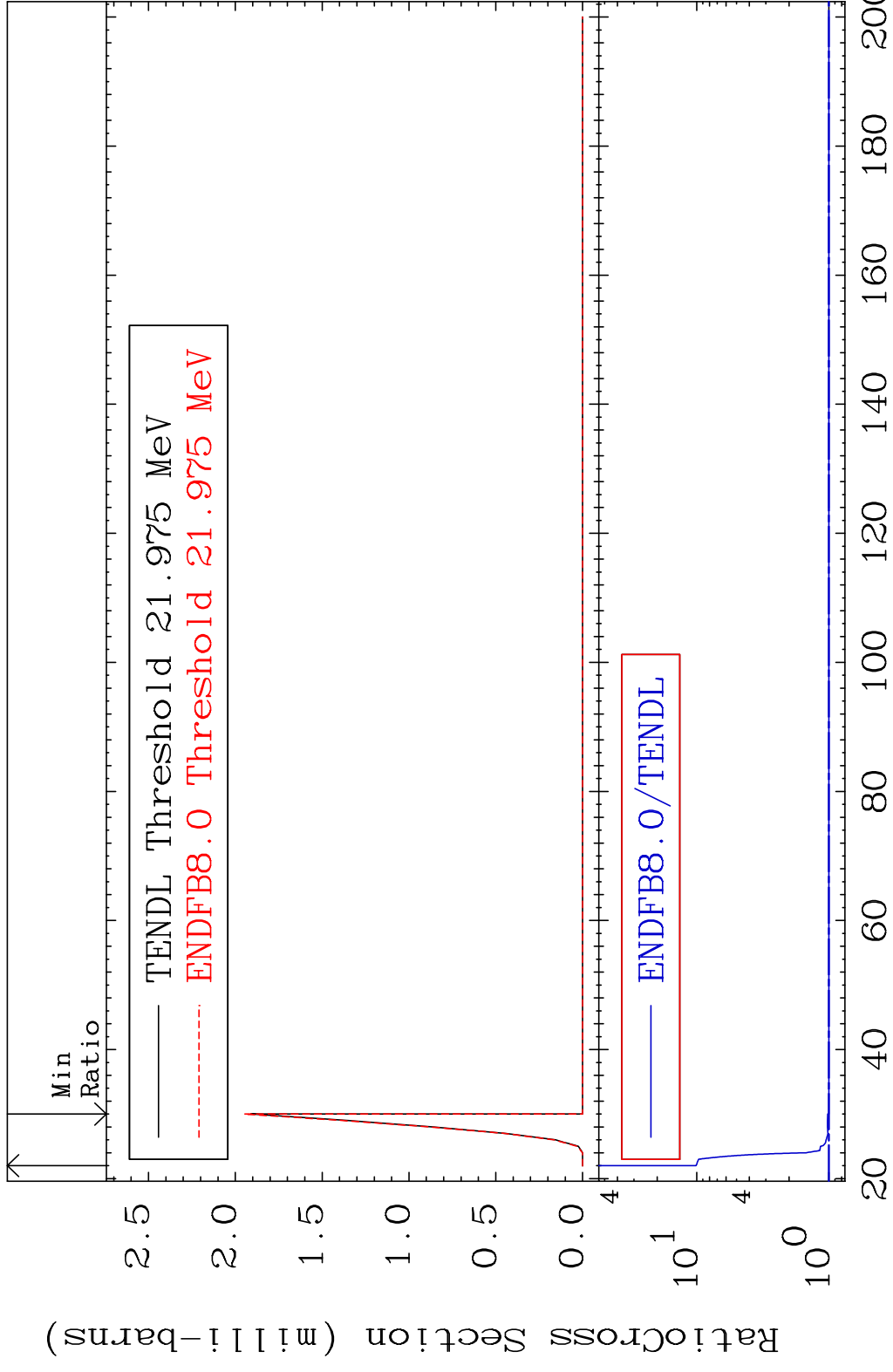


MAT 2046 (n, n') d 20-Ca-47  
 Cross Section -8.028 To 260.7 %

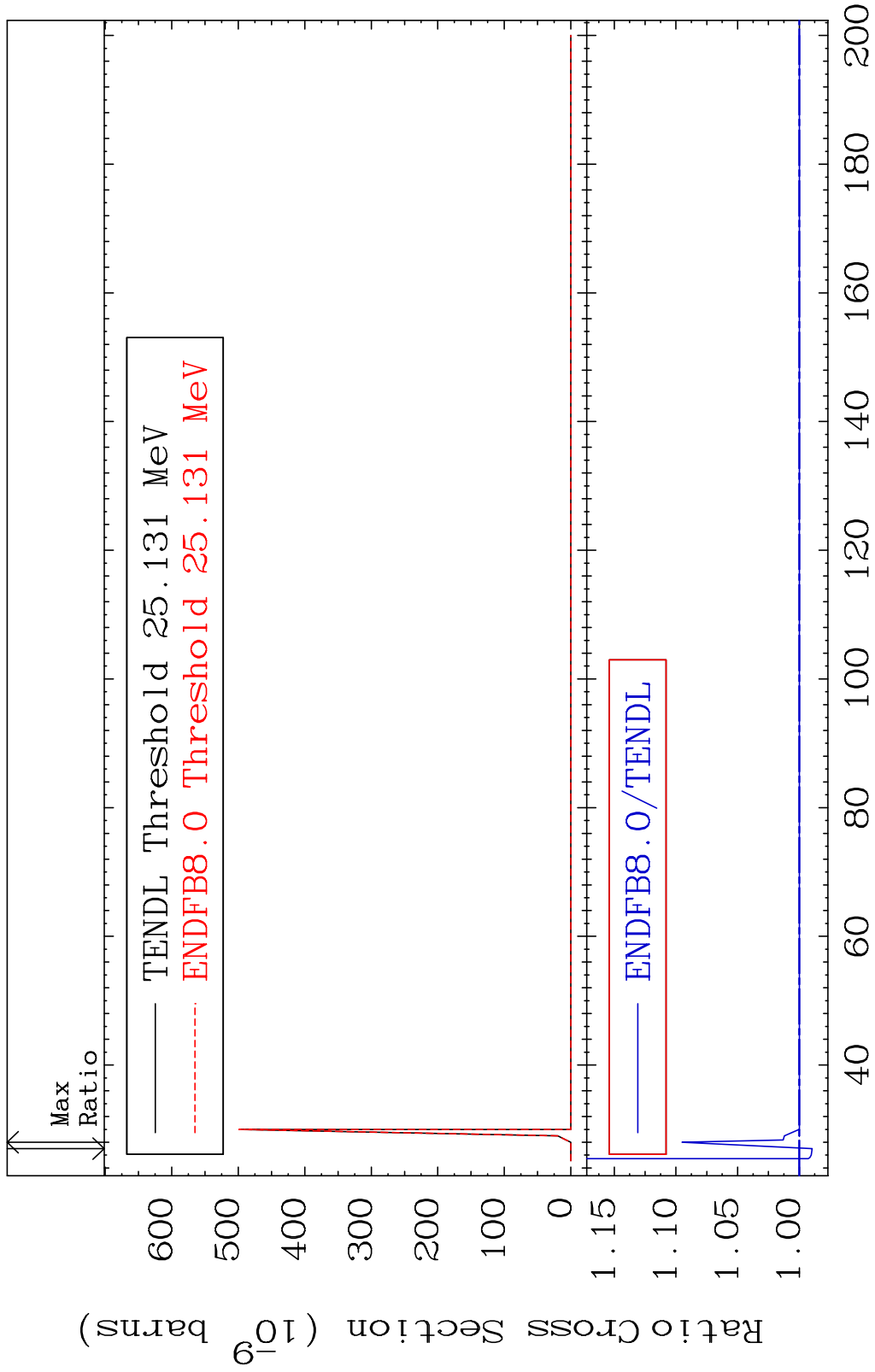


10 Incident Energy (eV) 20-Ca-47

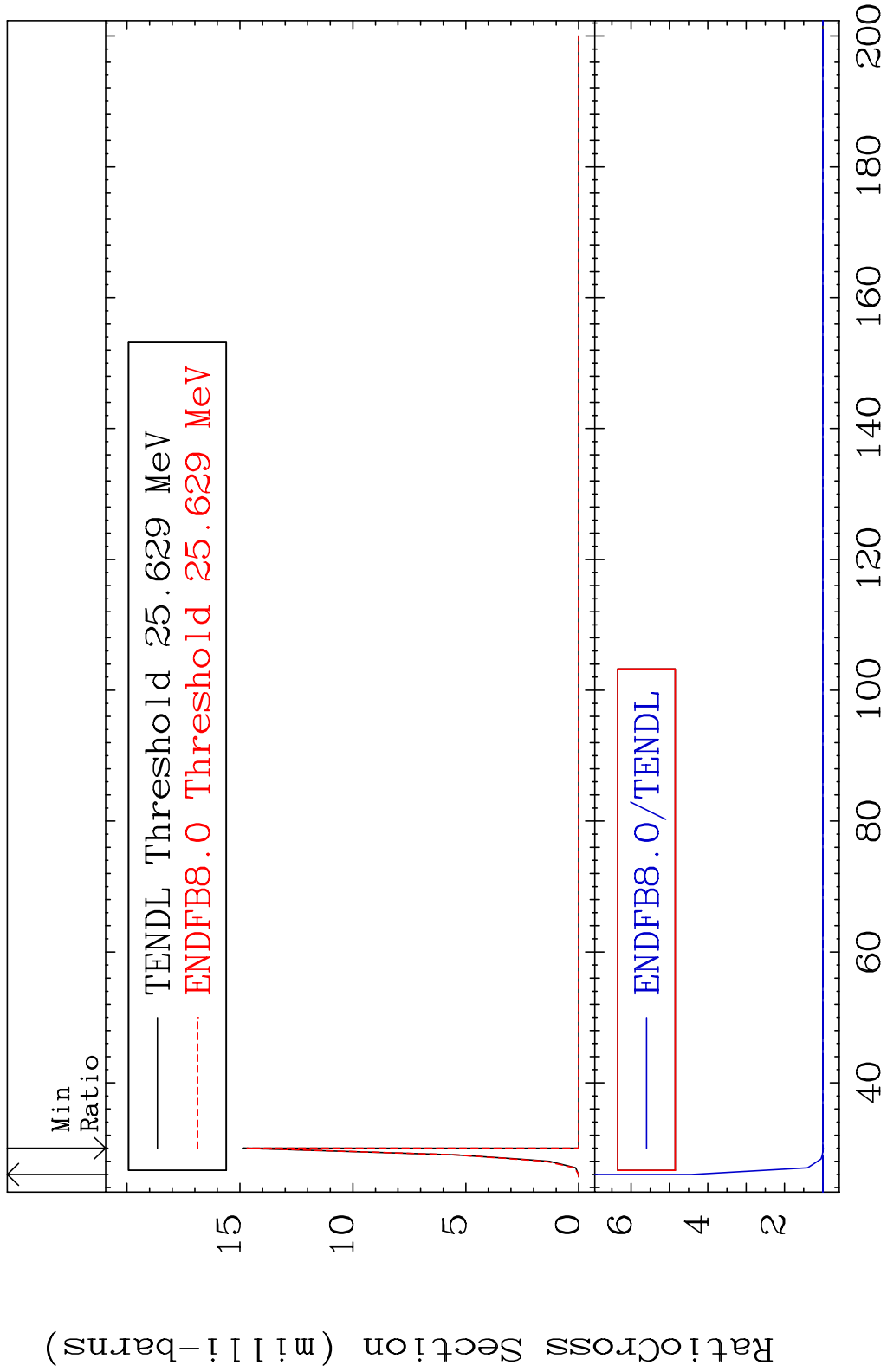
MAT 2046 (n, n') t 20-Ca-47  
 Cross Section 0.000 To 914.9 %



MAT 2046 (n,n') He-3 20-Ca-47  
 Cross Section -1.034 To 9.509 %



MAT 2046 (n,4n) 20-Ca-47  
 Cross Section -1.363 To 342.8 %

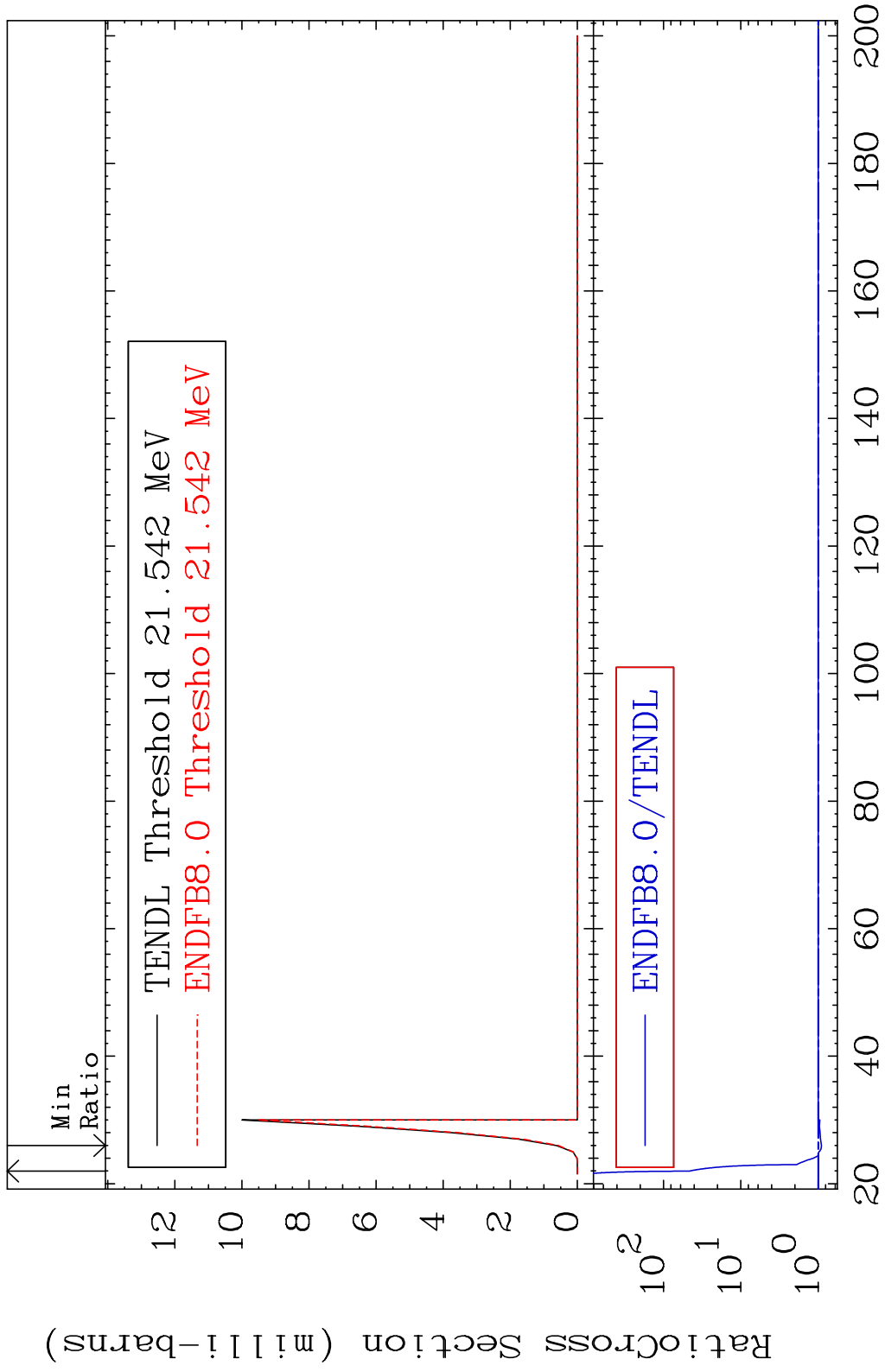


MAT 2046

(n,2n) p

20-Ca-47

Cross Section -9.231 To 4474. %

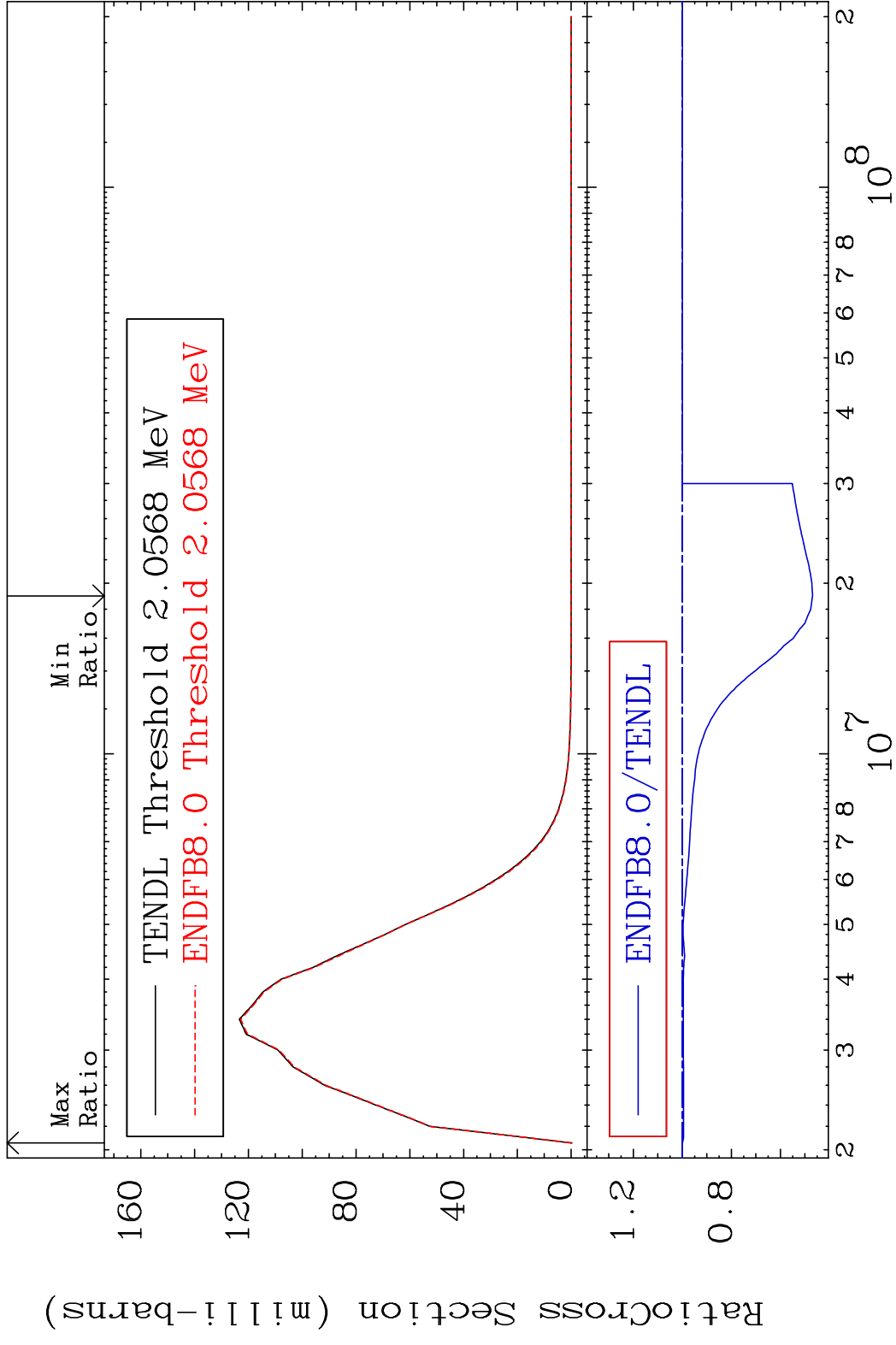


14

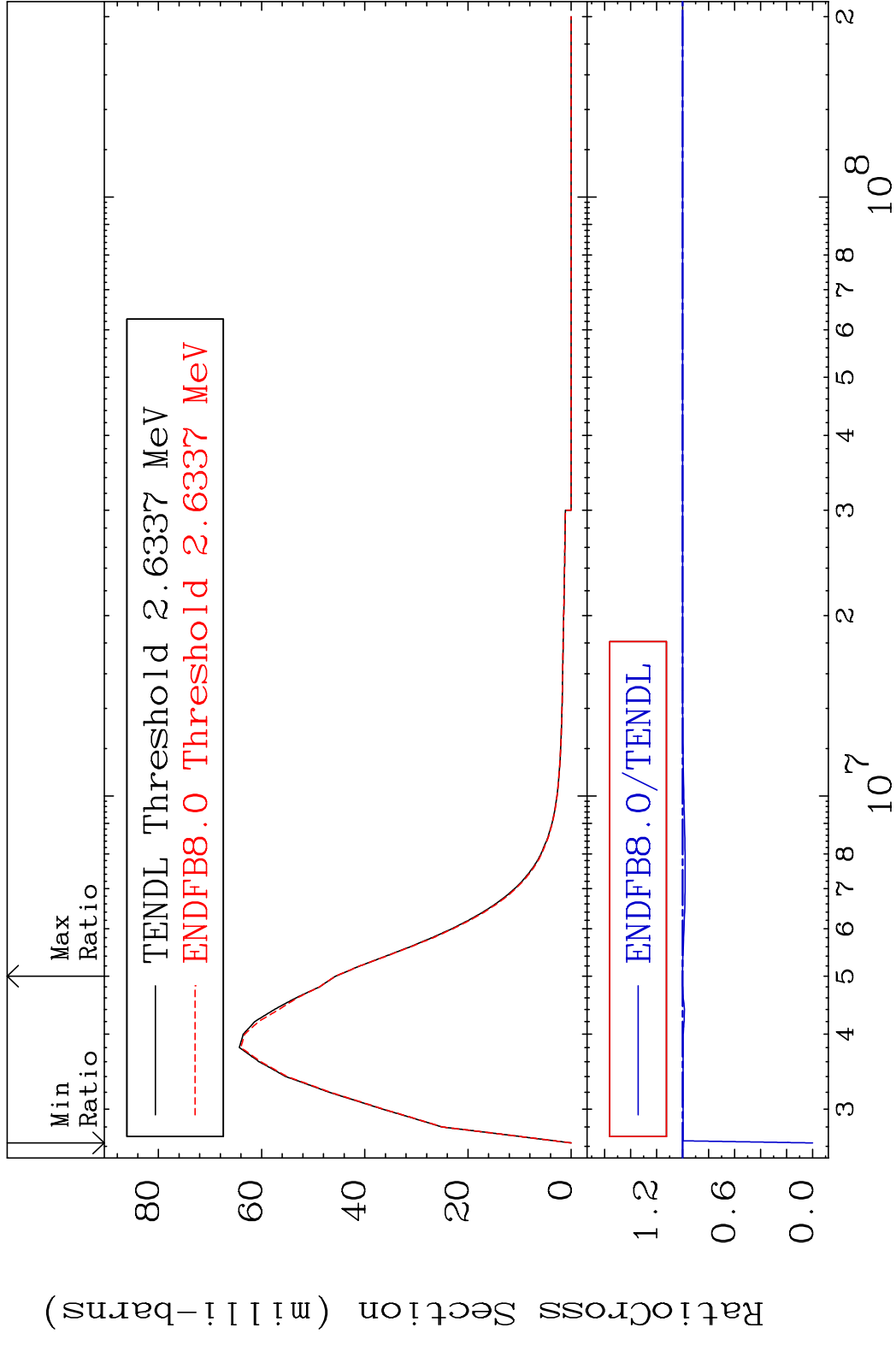
Incident Energy (MeV)

20-Ca-47

MAT 2046 MT= 51 (n, n') Level 20-Ca-47  
 Cross Section -53.12 To 0.000 %

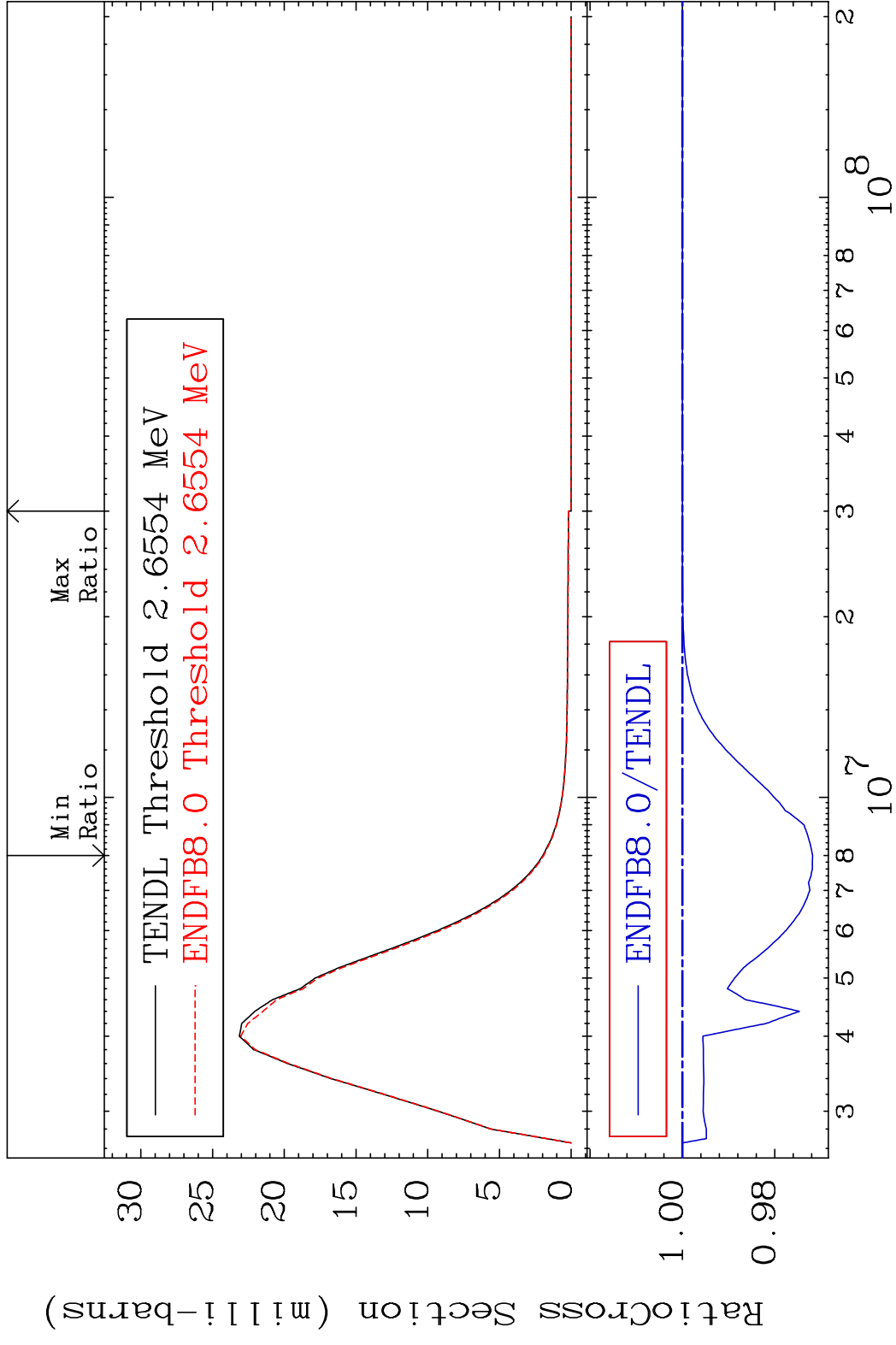


MAT 2046 MT= 52 (n, n') Level 20-Ca-47  
 Cross Section -100.0 To 0.152 %



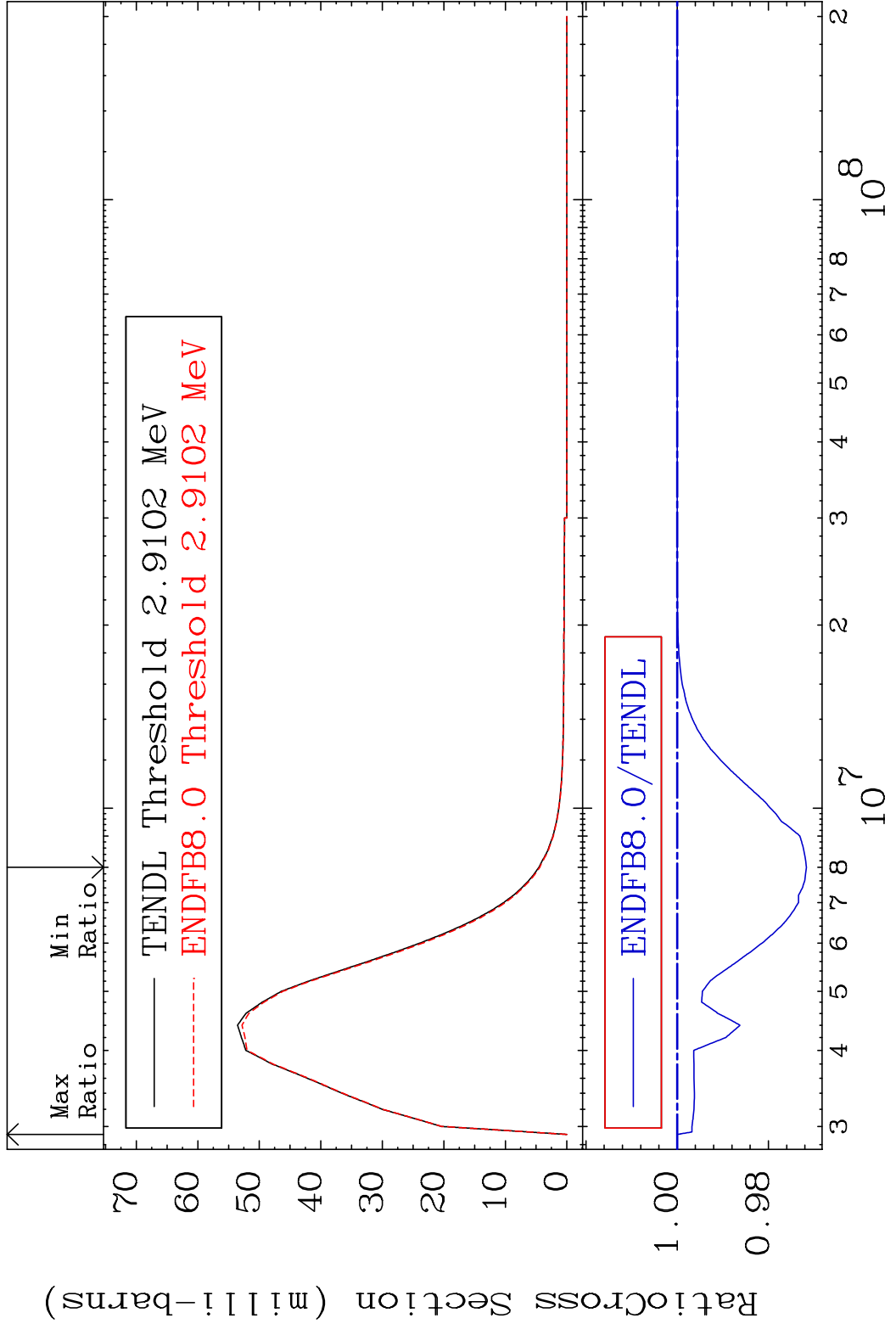
16 Incident Energy (eV) 20-Ca-47

MAT 2046 MT= 53 (n, n') Level 20-Ca-47  
 Cross Section -2.818 To 0.000 %

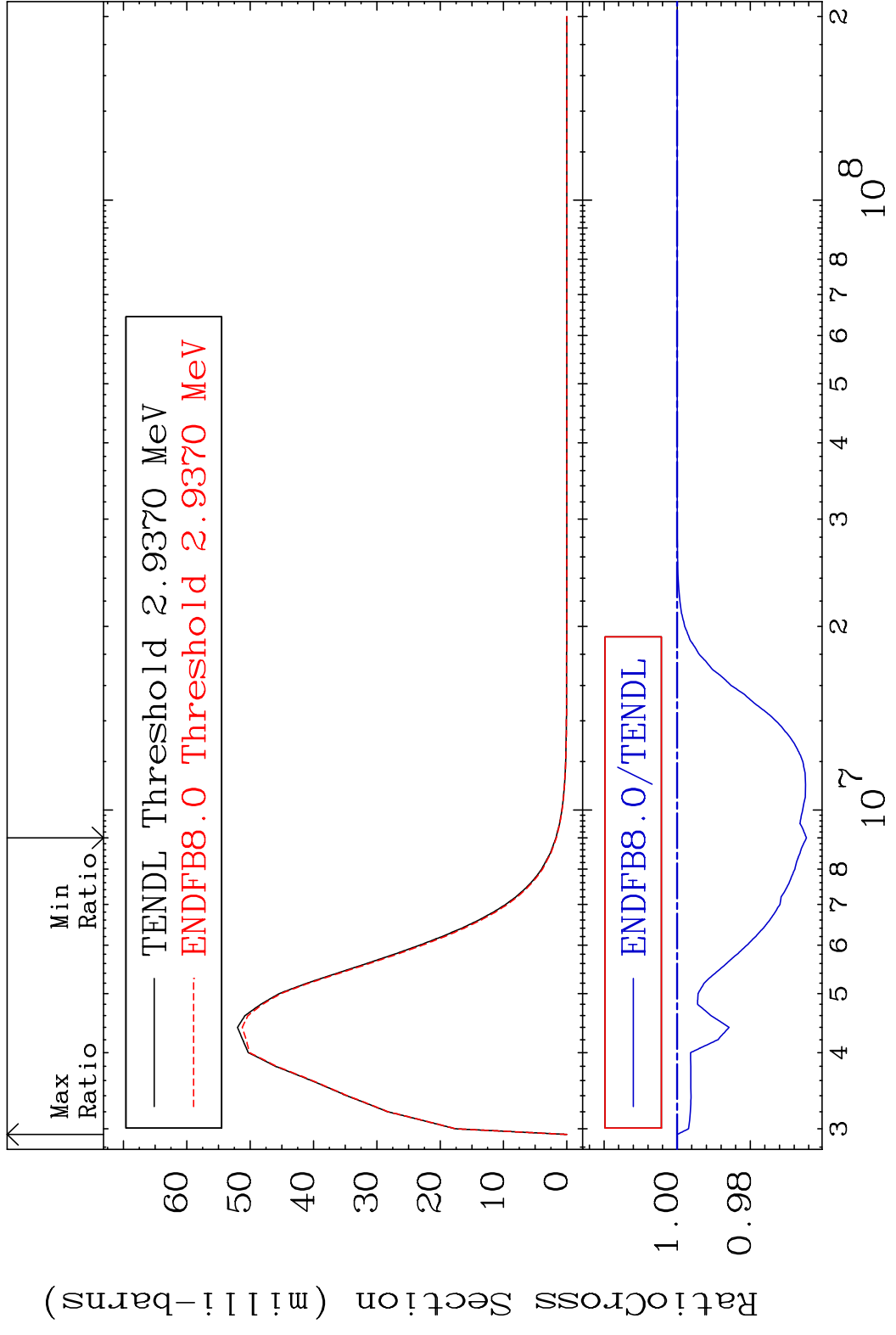


17 Incident Energy (eV) 20-Ca-47

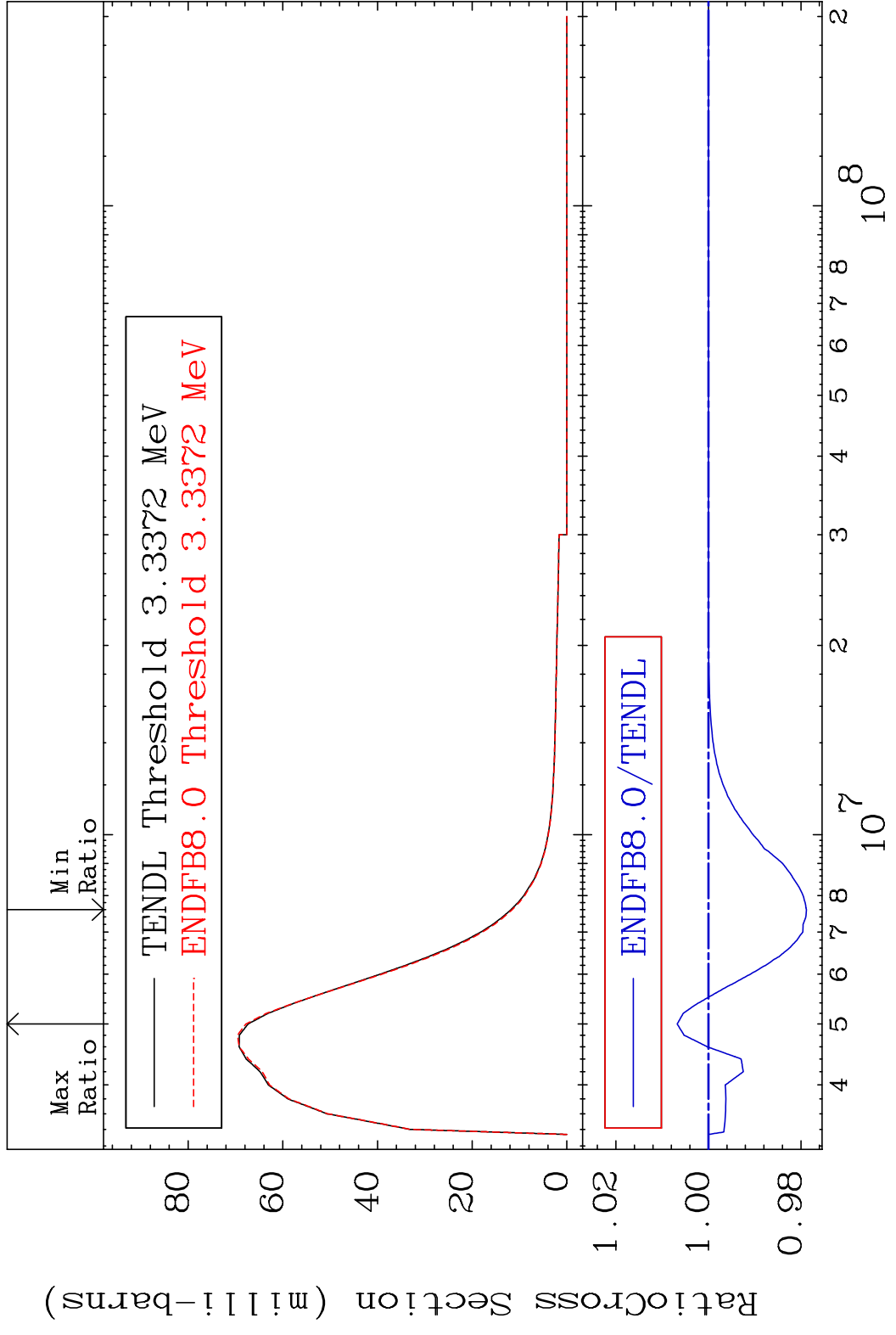
MAT 2046 MT= 54 (n,n') Level 20-Ca-47  
 Cross Section -2.832 To 0.000 %



MAT 2046 MT= 55 (n,n') Level 20-Ca-47  
 Cross Section -3.536 To 0.000 %

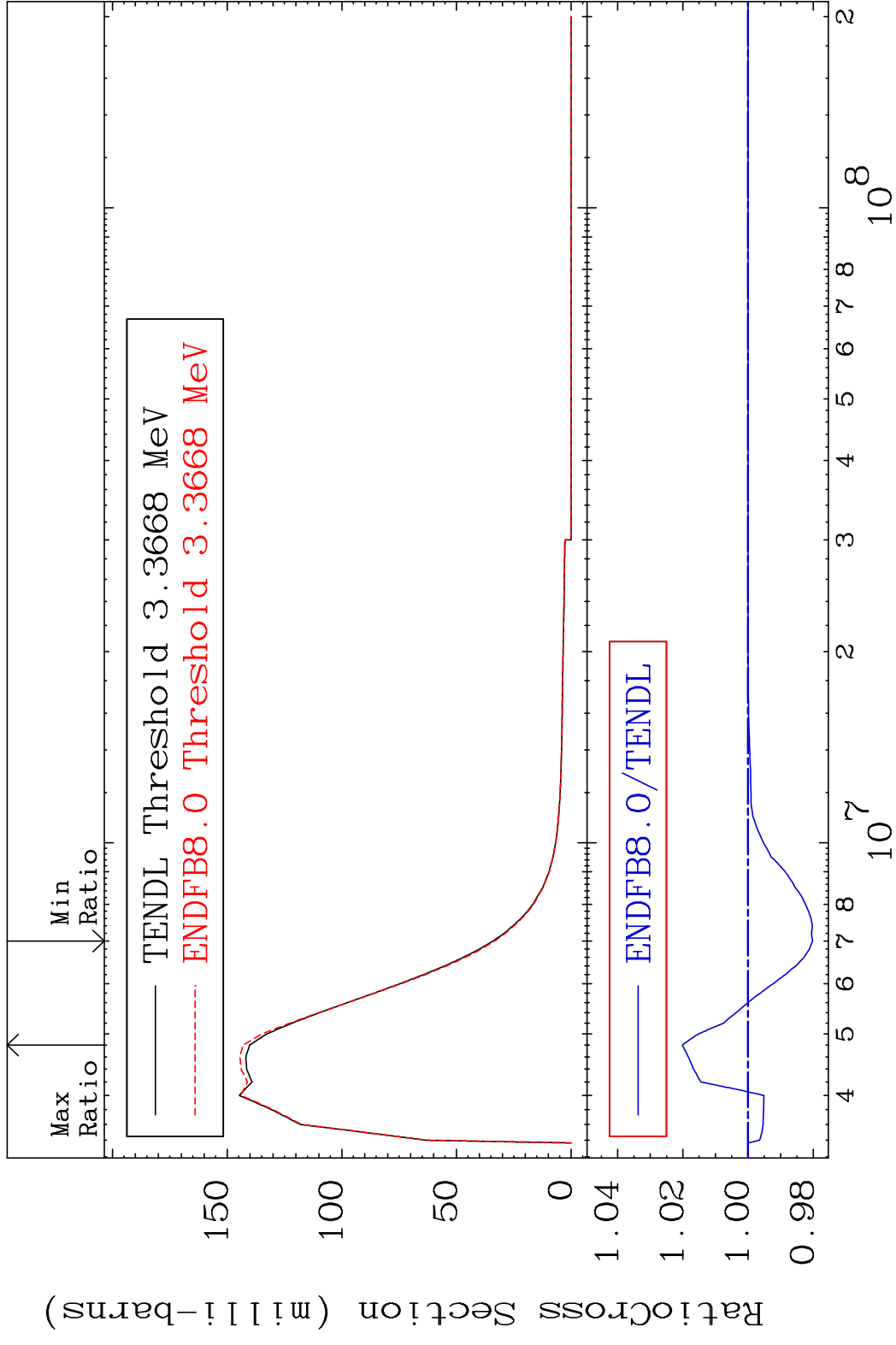


MAT 2046 MT= 56 (n,n') Level 20-Ca-47  
 Cross Section -2.119 To 0.675 %

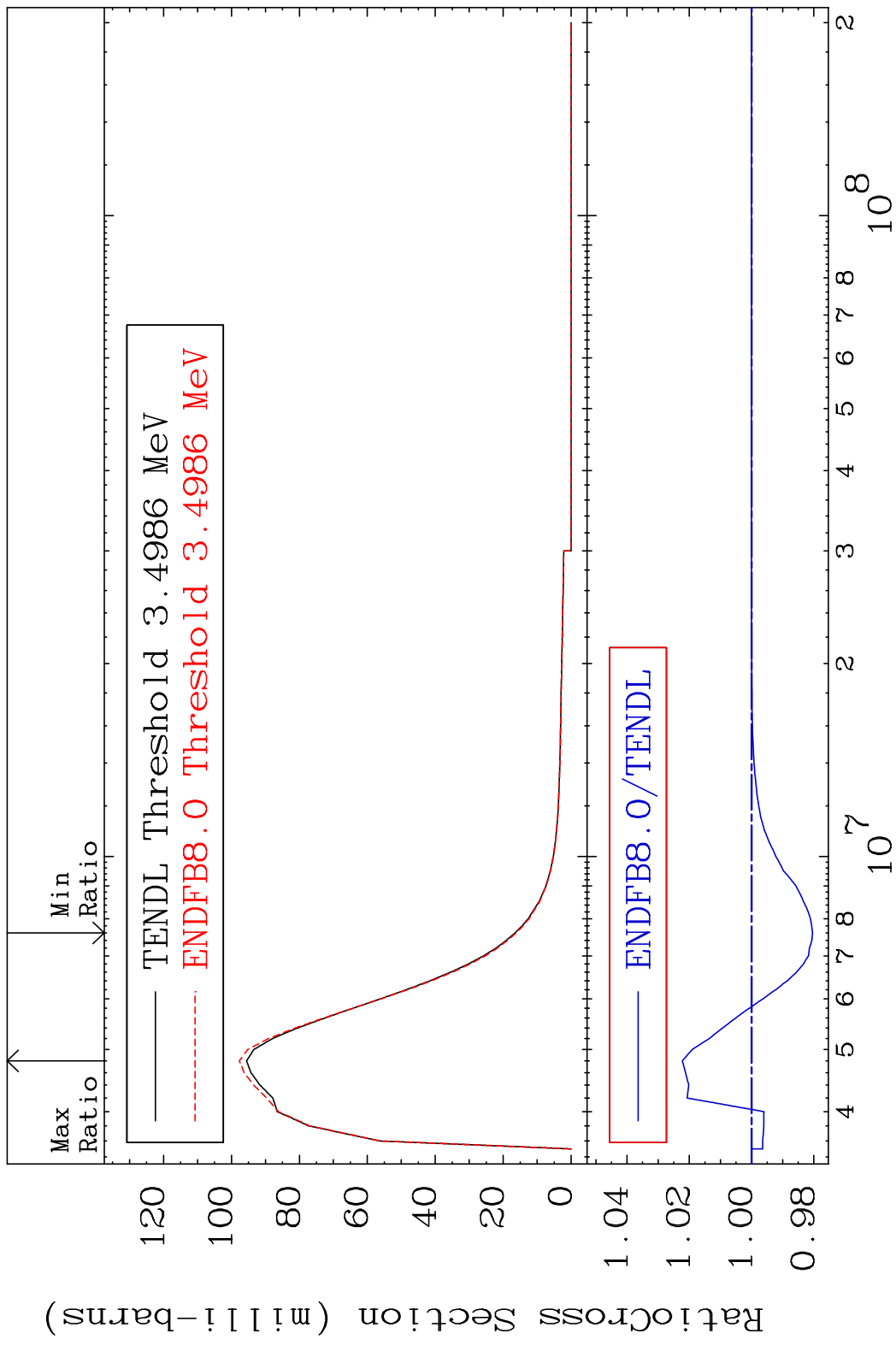


20 Incident Energy (eV) 20-Ca-47

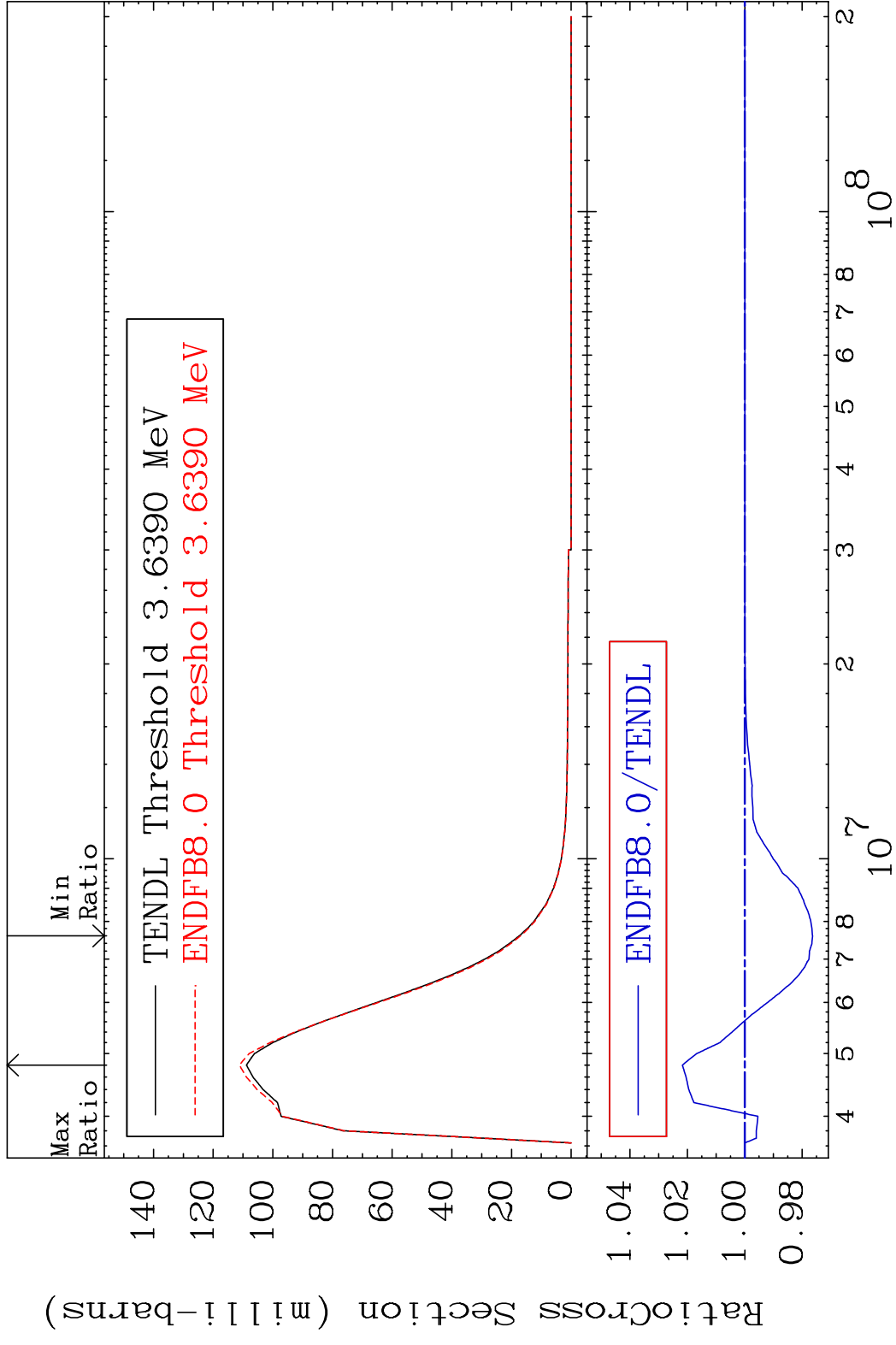
MAT 2046 MT= 57 (n,n') Level 20-Ca-47  
 Cross Section -1.980 To 2.015 %



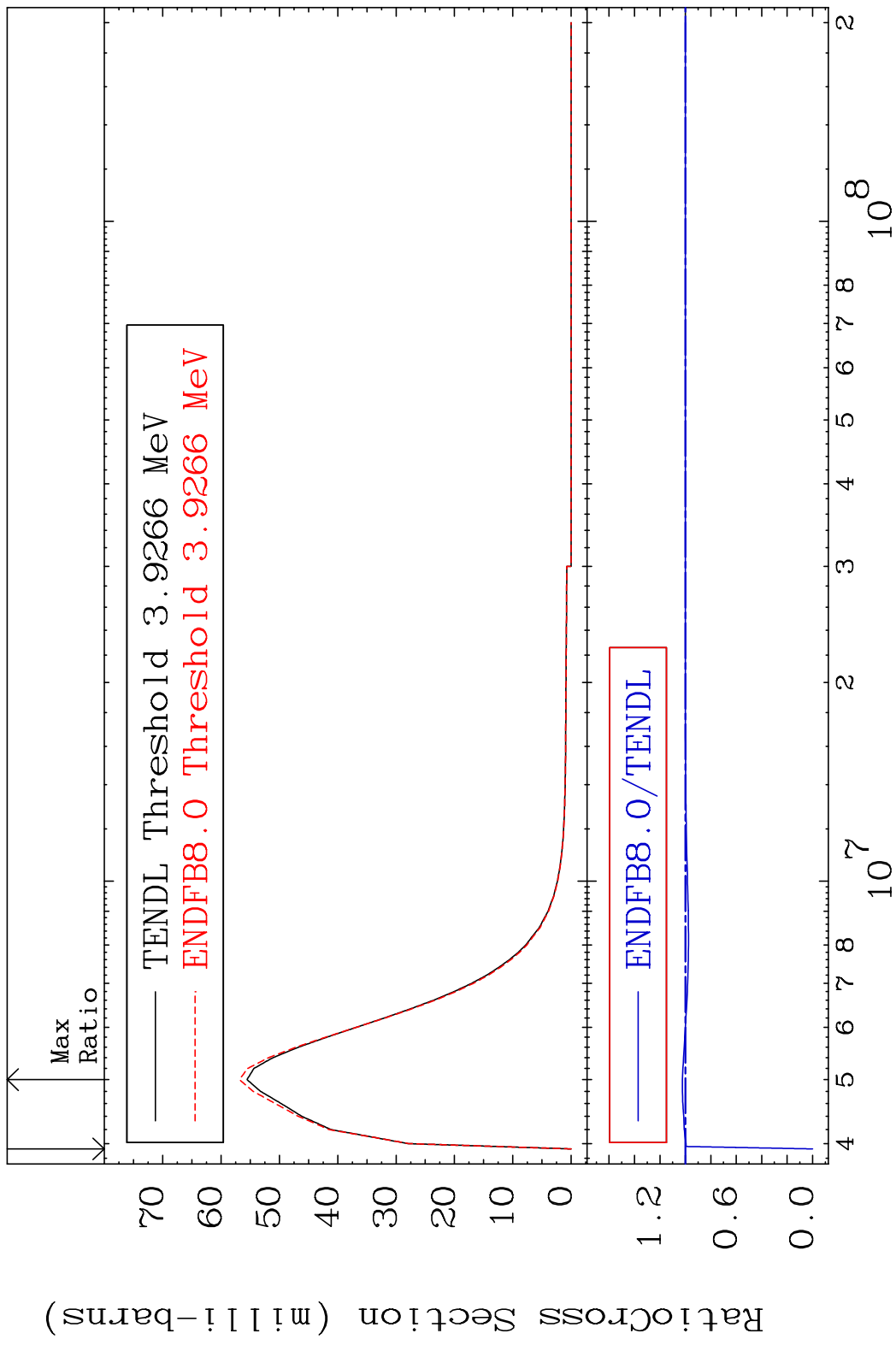
MAT 2046 MT= 58 (n,n') Level 20-Ca-47  
 Cross Section -1.959 To 2.223 %



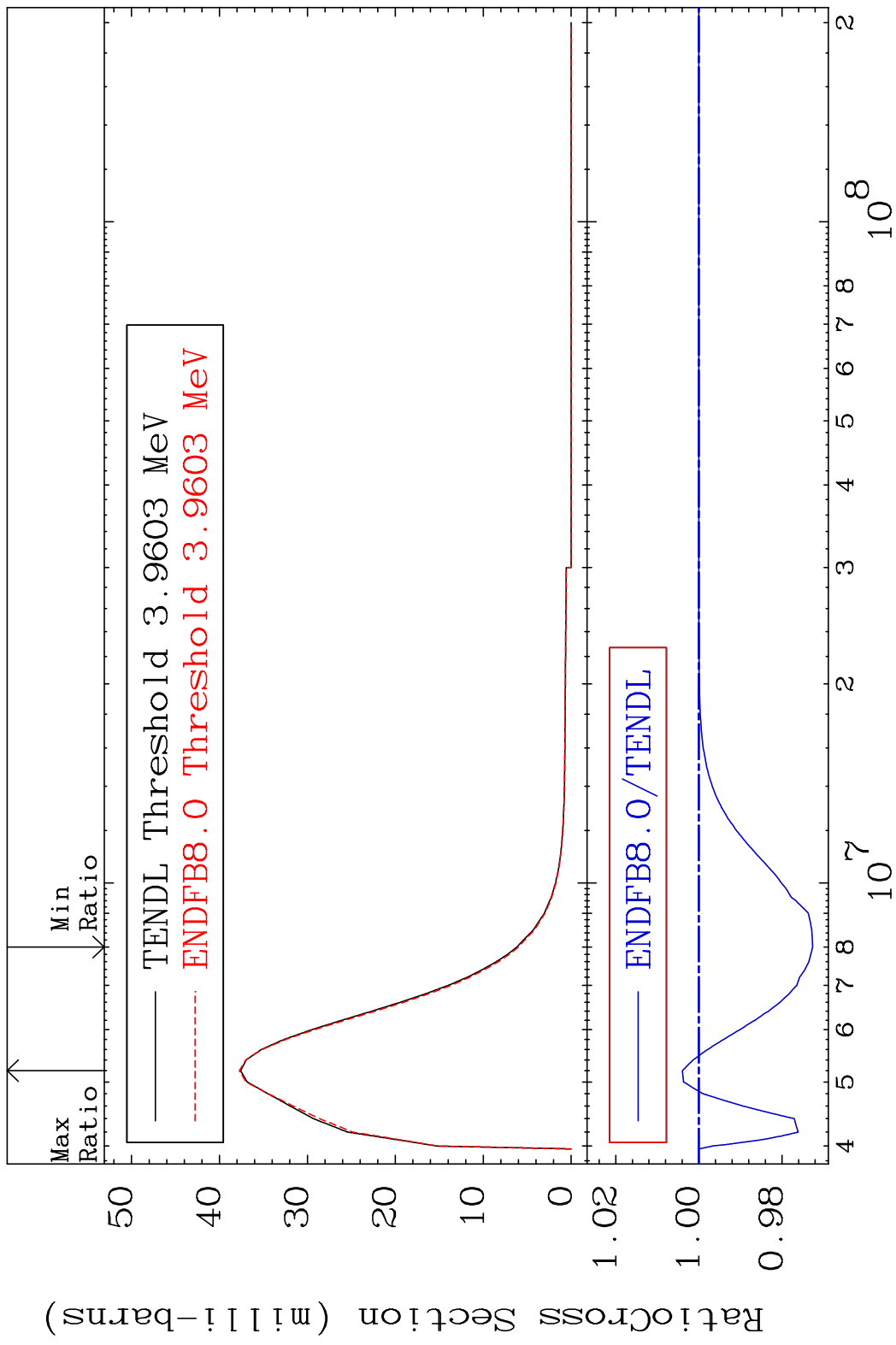
MAT 2046 MT= 59 (n, n') Level 20-Ca-47  
 Cross Section -2.361 To 2.174 %



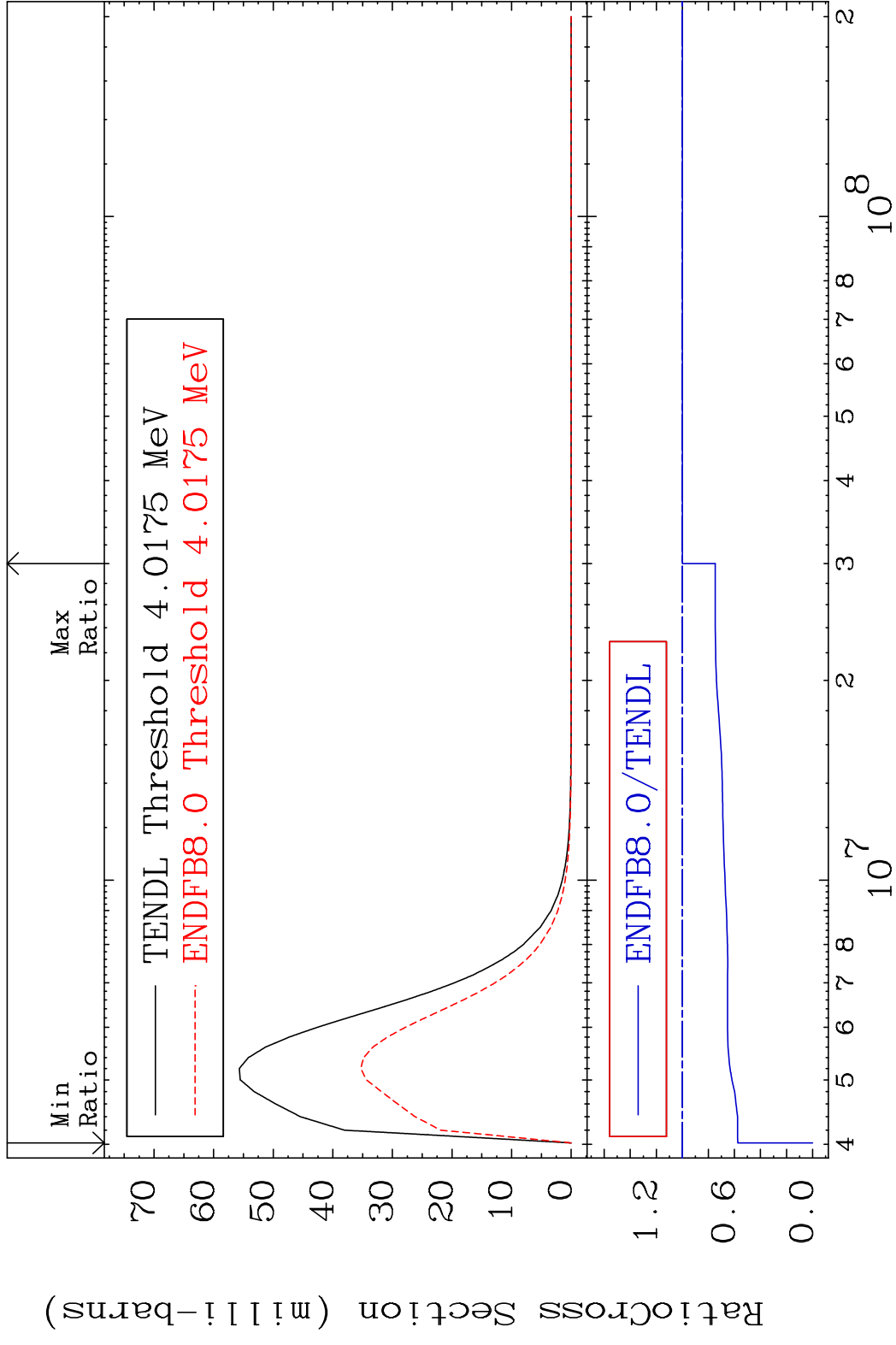
MAT 2046 MT= 60 (n,n') Level 20-Ca-47  
 Cross Section -100.0 To 2.369 %



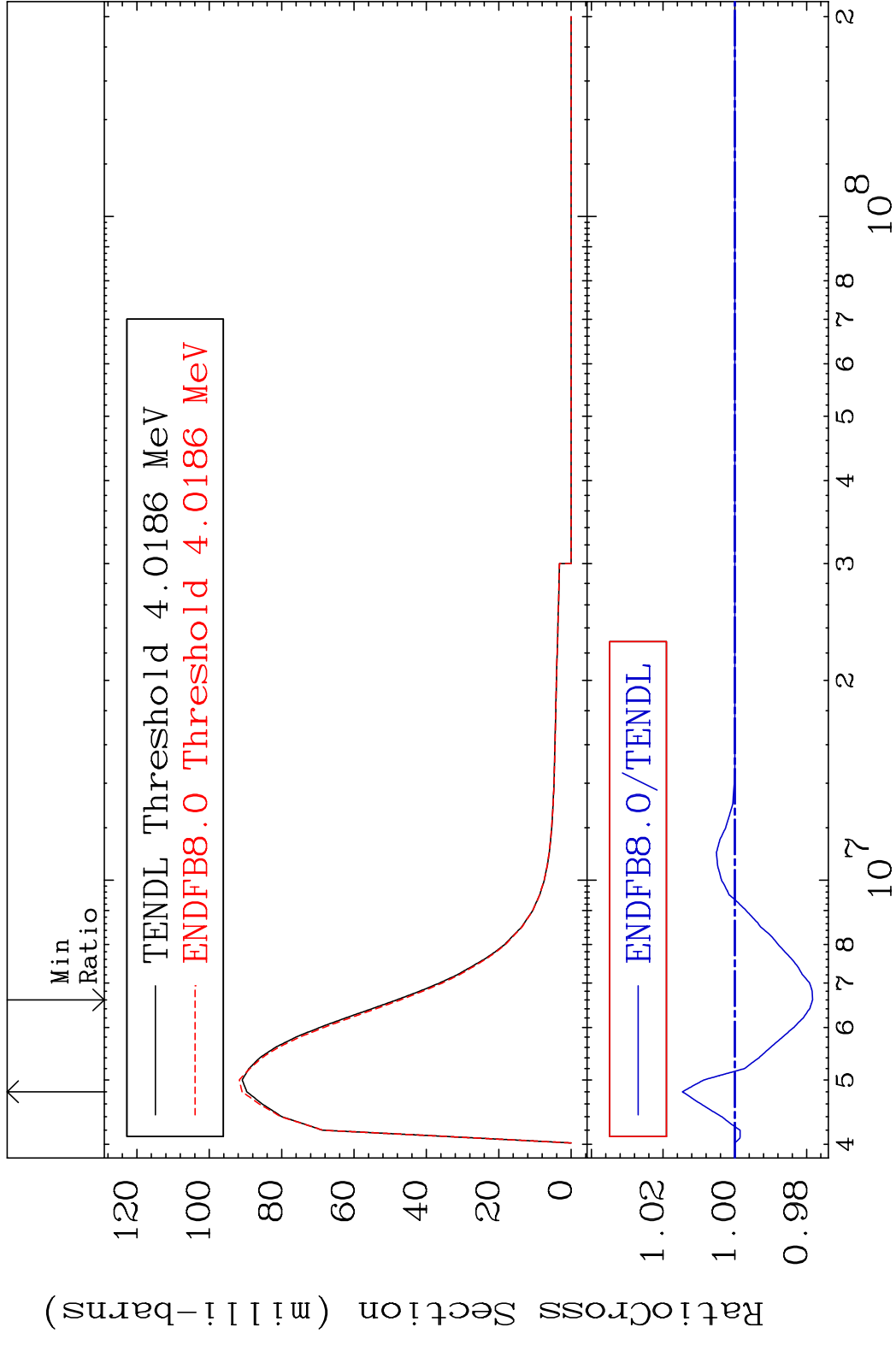
MAT 2046 MT= 61 (n,n') Level 20-Ca-47  
 Cross Section -2.736 To 0.397 %



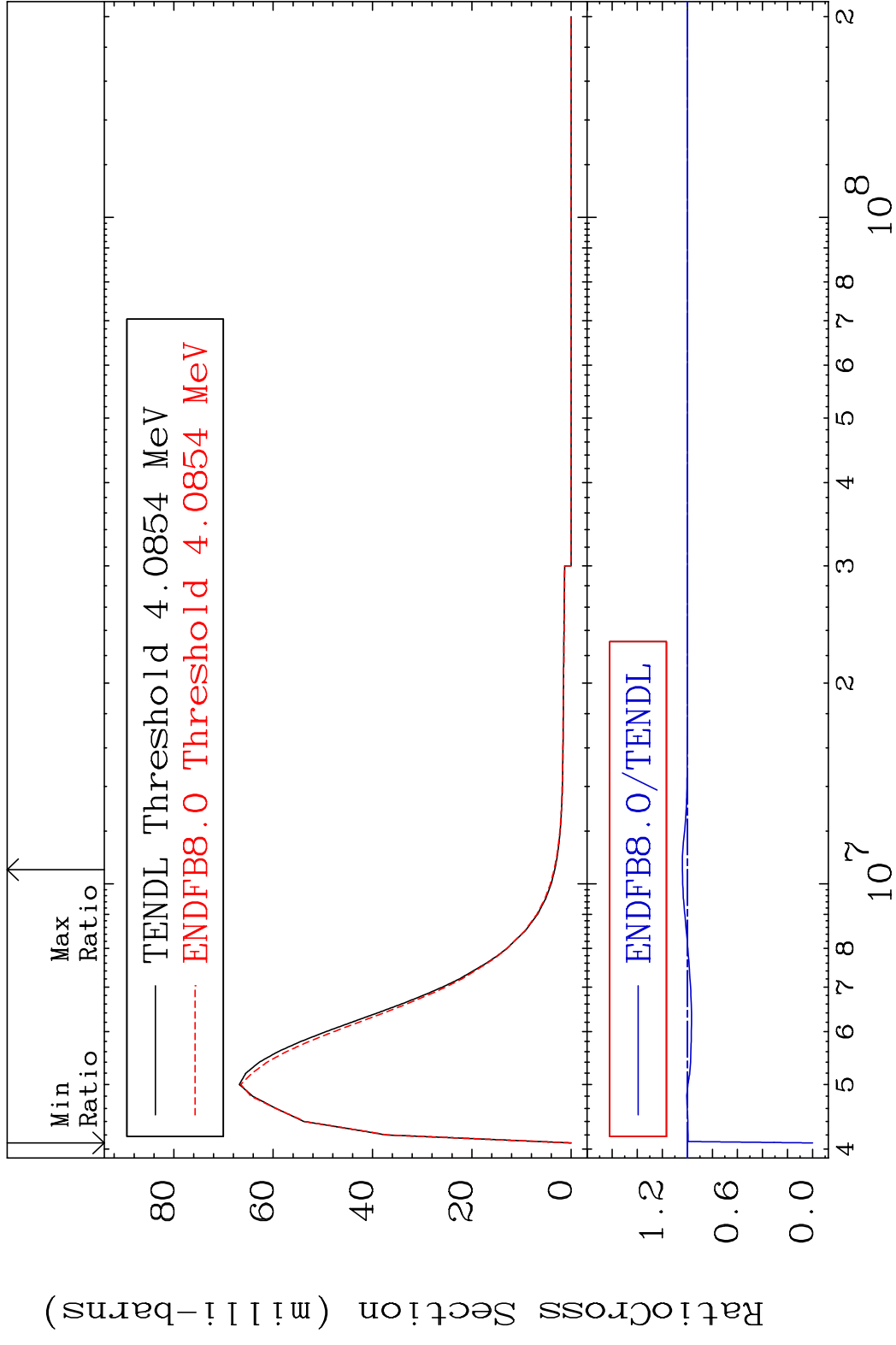
MAT 2046 MT= 62 (n, n') Level 20-Ca-47  
 Cross Section -100.0 To 0.000 %



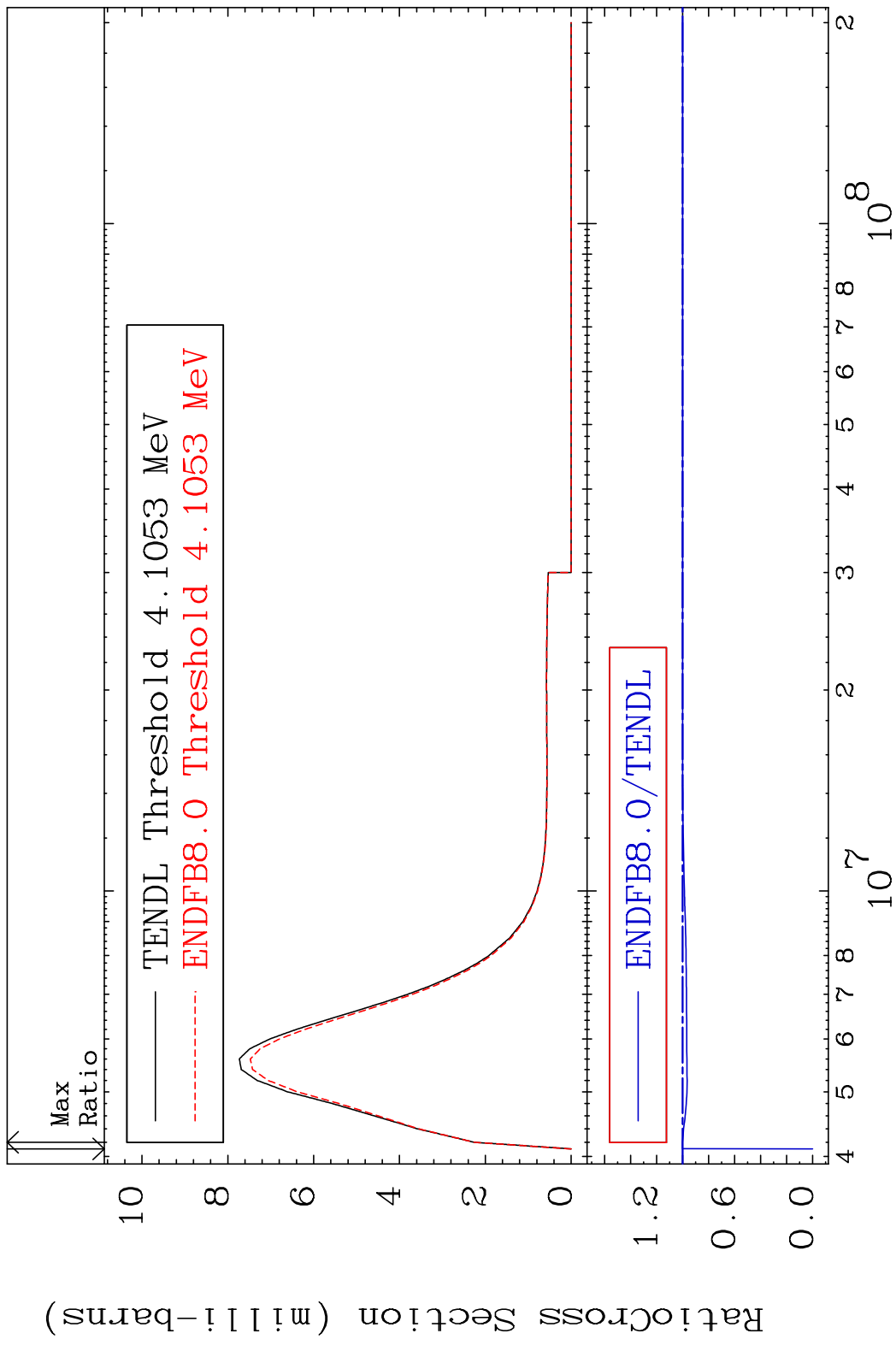
MAT 2046 MT= 63 (n,n') Level 20-Ca-47  
 Cross Section -2.167 To 1.463 %



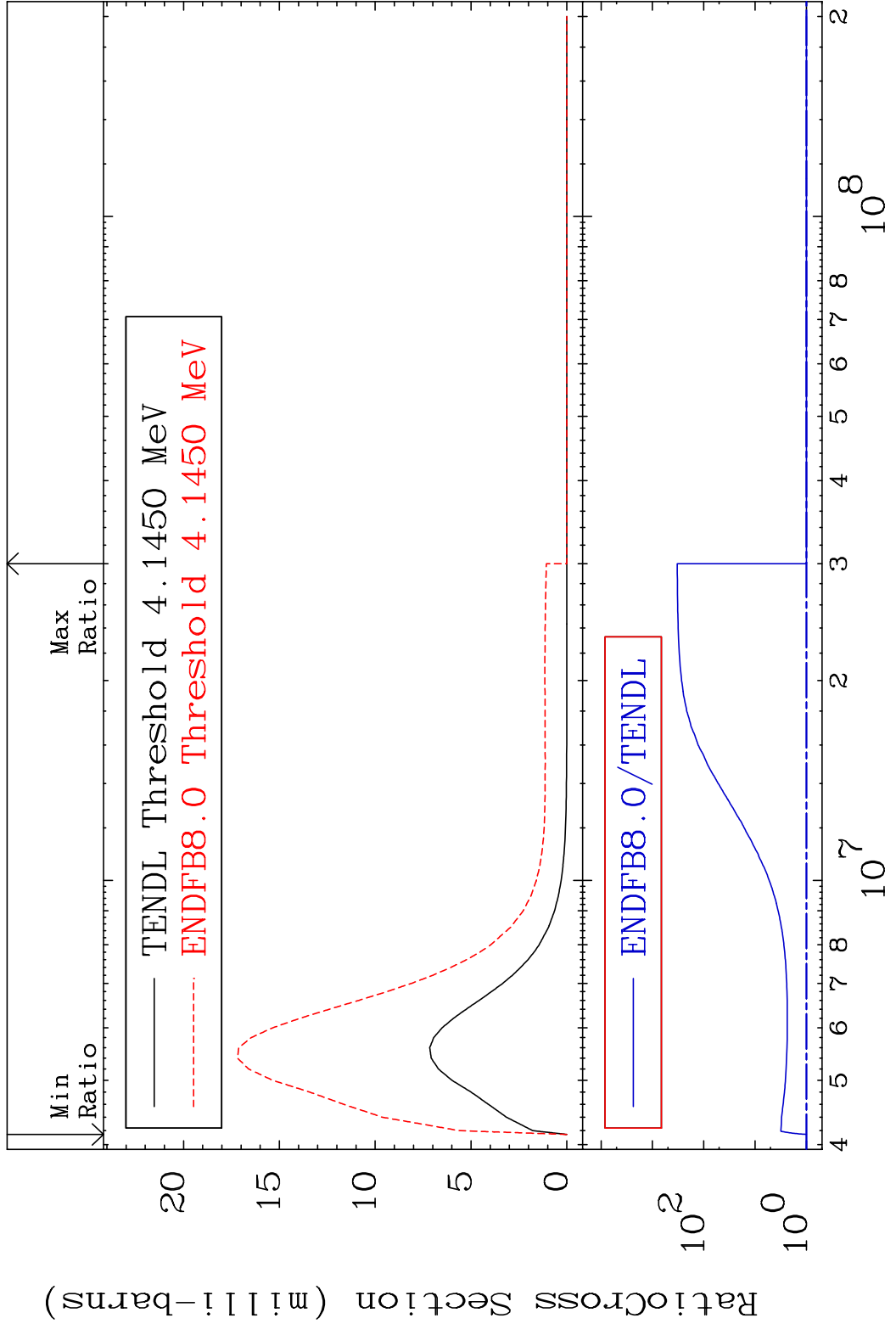
MAT 2046 MT= 64 (n, n') Level 20-Ca-47  
 Cross Section -100.0 To 3.990 %



MAT 2046 MT= 65 (n,n') Level 20-Ca-47  
 Cross Section -100.0 To 0.151 %

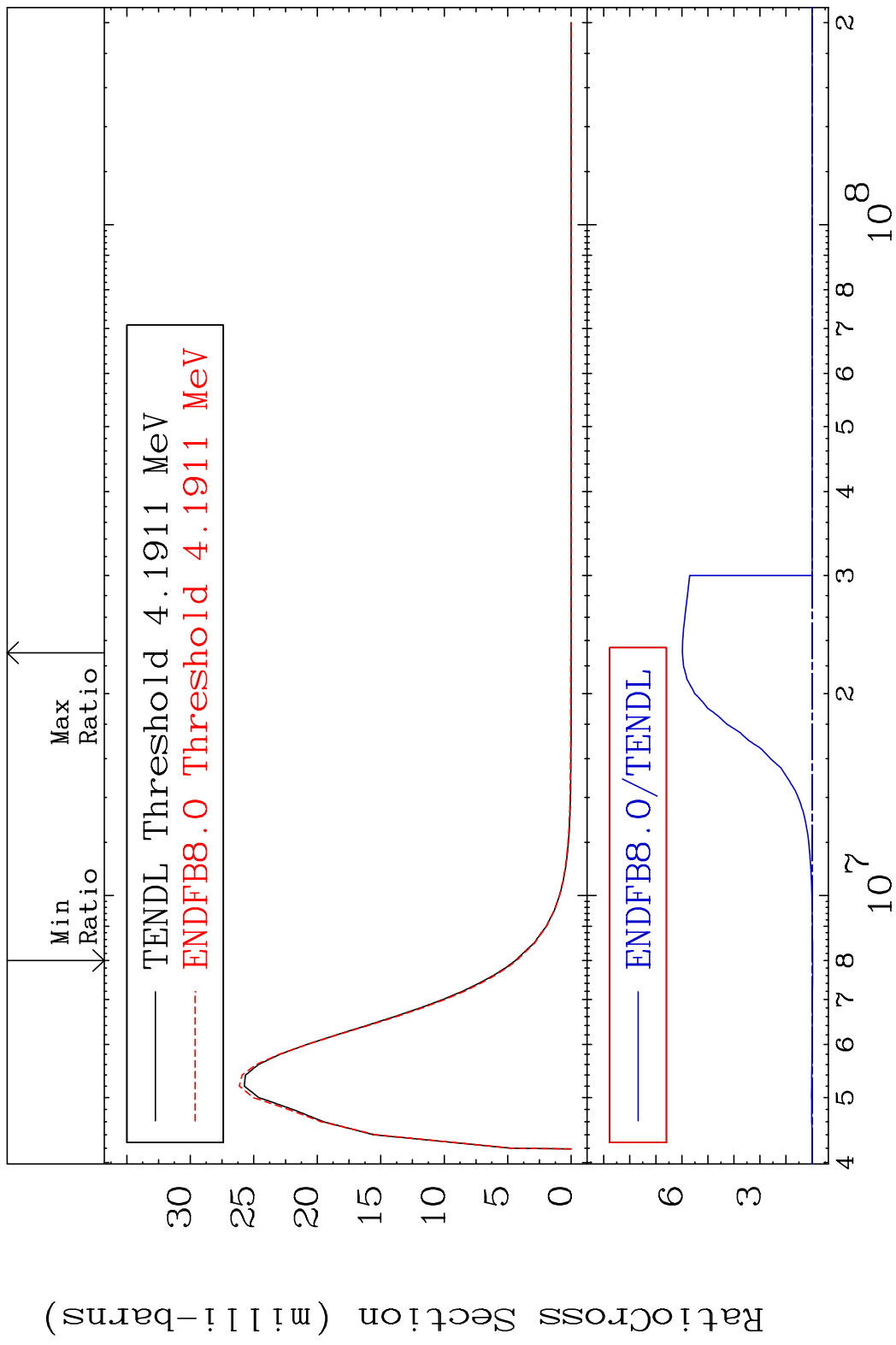


MAT 2046 MT= 66 (n, n') Level 20-Ca-47  
 Cross Section 0.000 To 9999. %

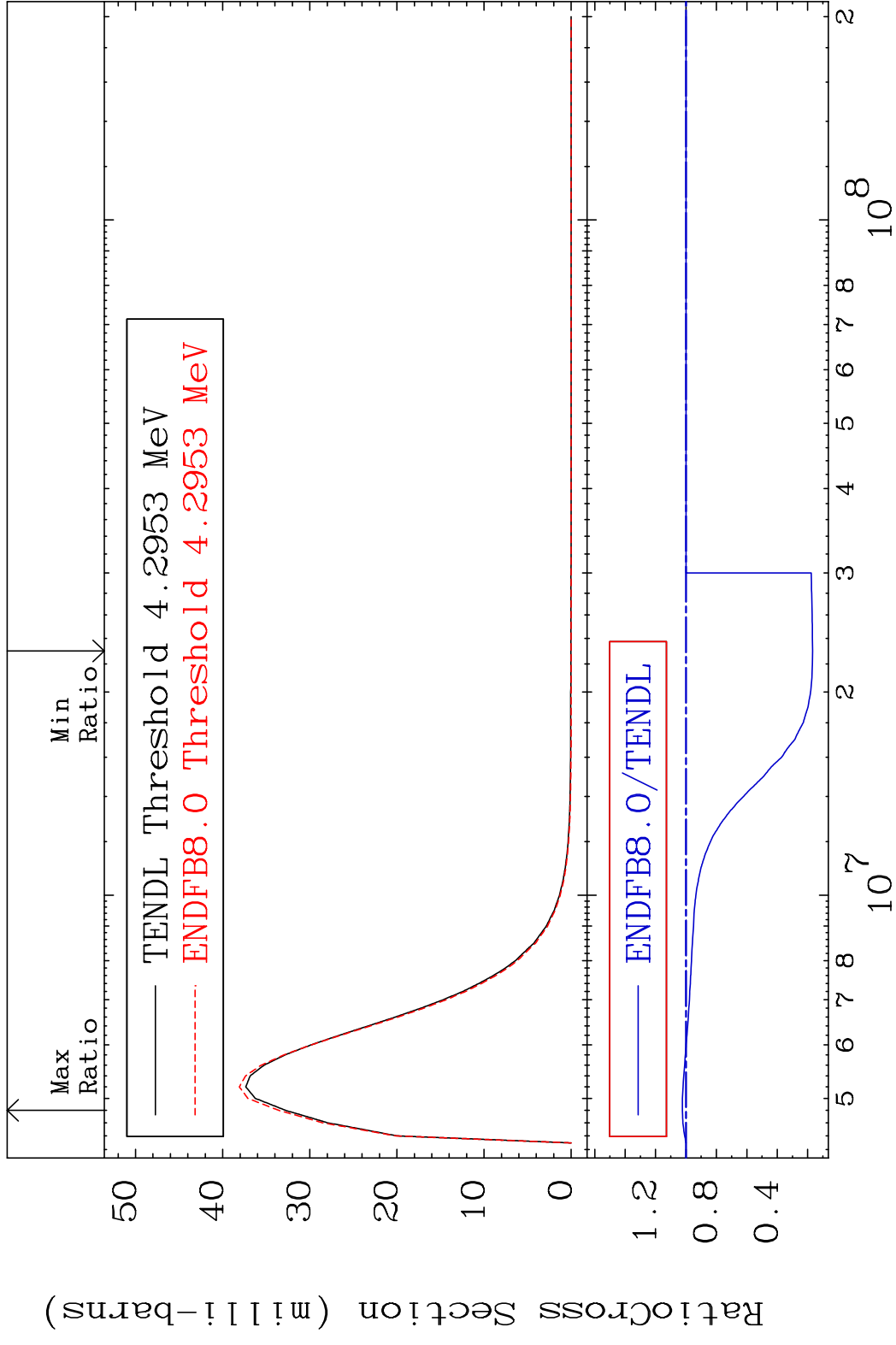


30 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

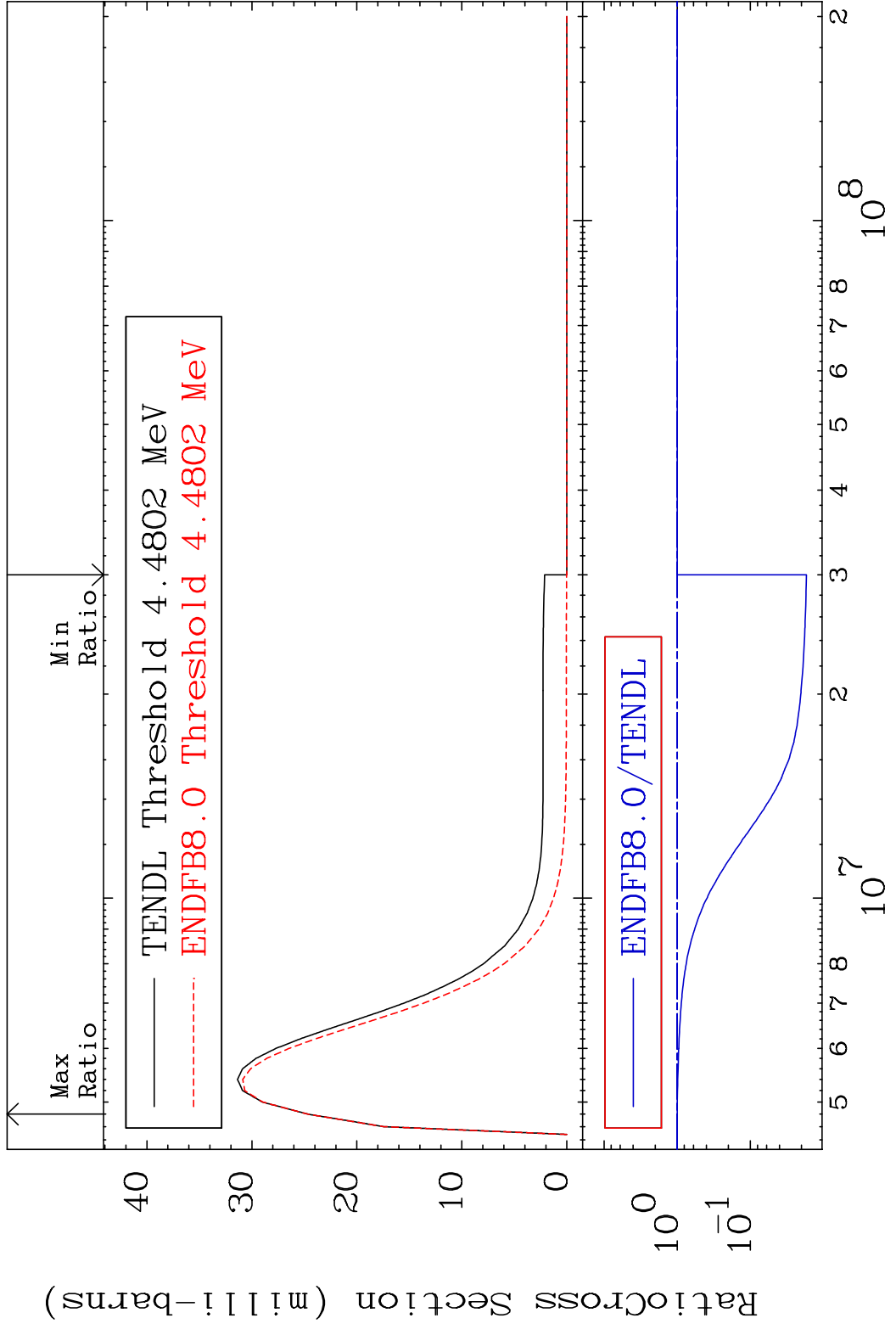
MAT 2046 MT= 67 (n, n') Level 20-Ca-47  
 Cross Section -1.978 To 498.1 %



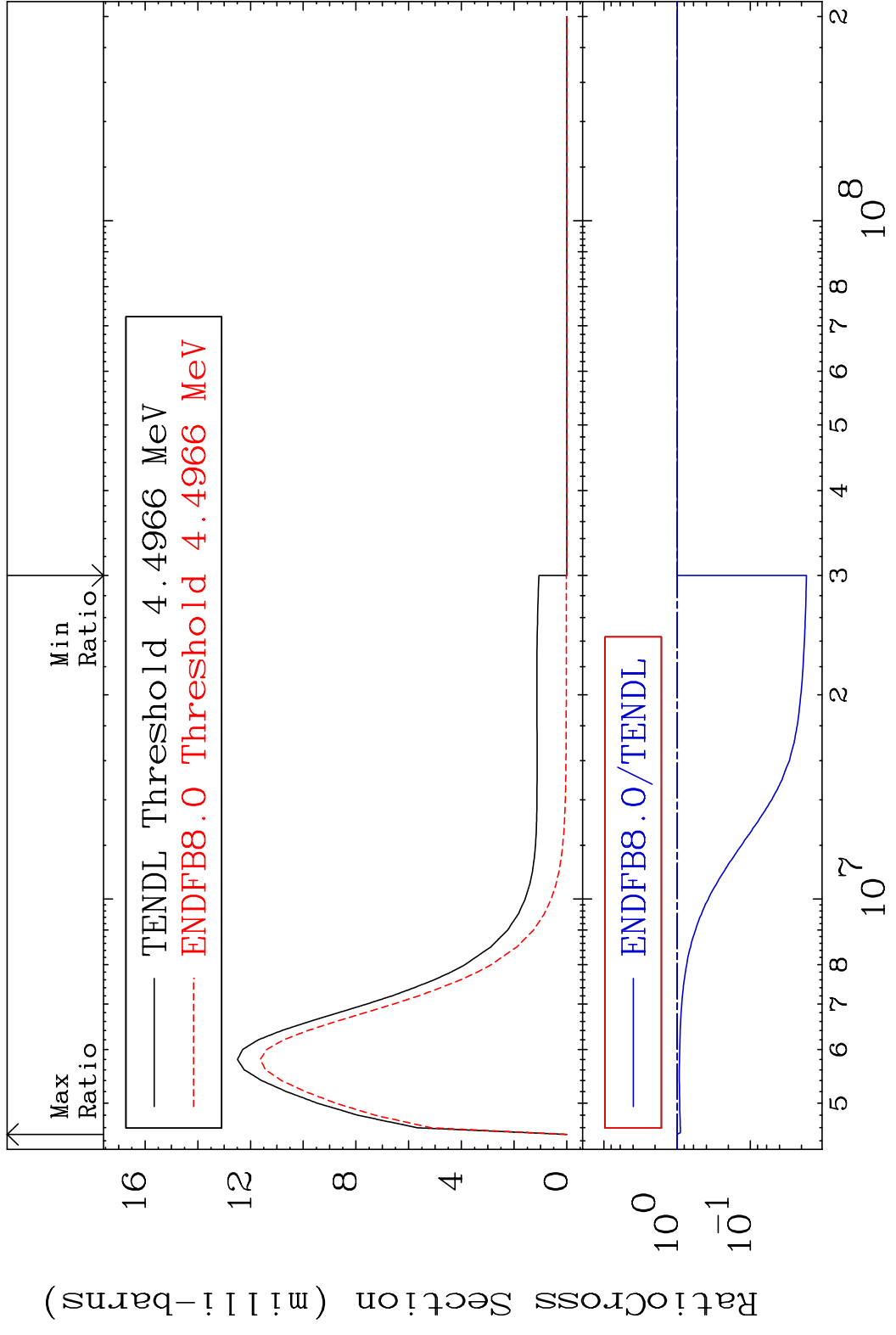
MAT 2046 MT= 68 (n, n') Level 20-Ca-47  
 Cross Section -83.22 To 2.384 %



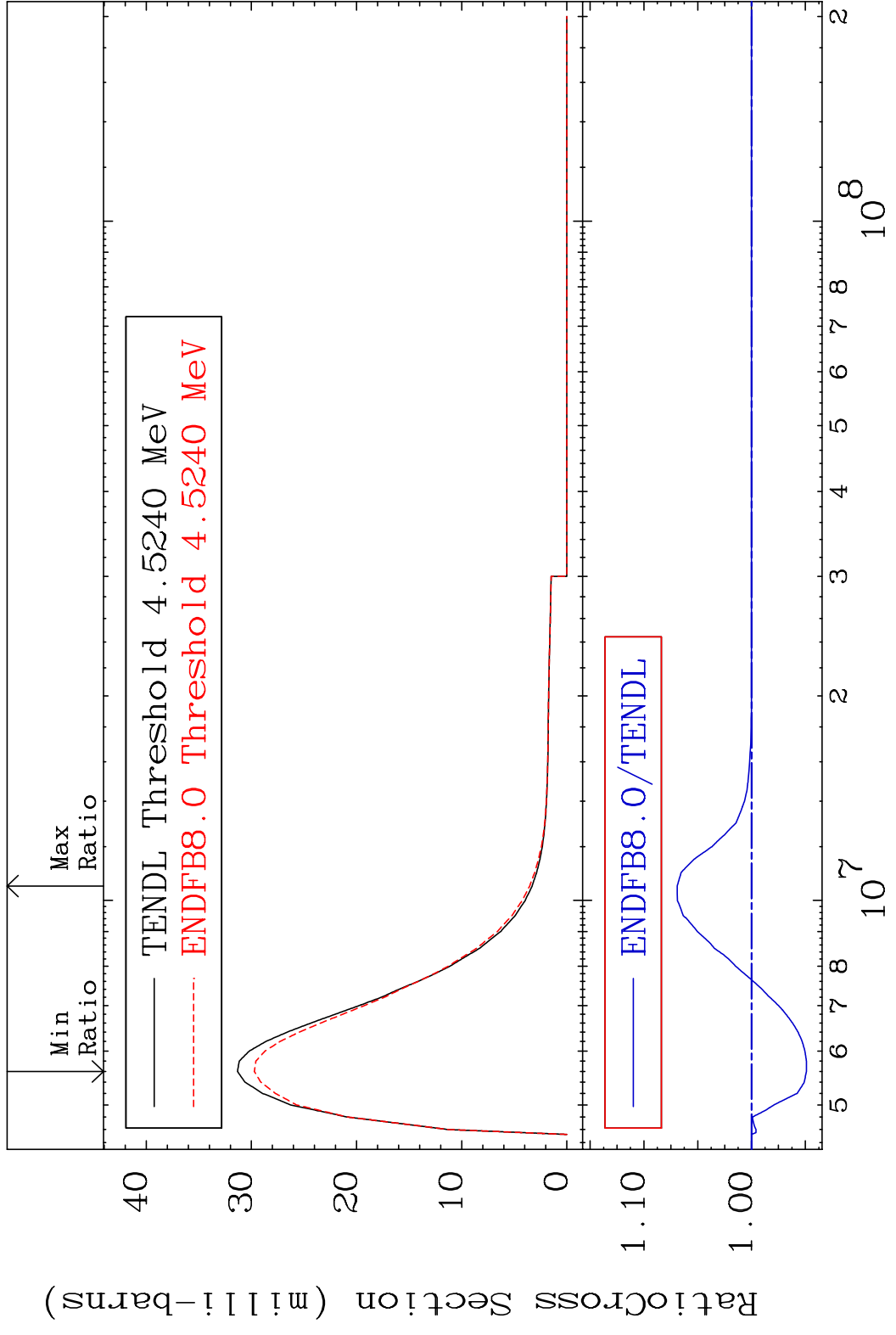
MAT 2046 MT= 69 (n, n') Level 20-Ca-47  
 Cross Section -98.28 To 0.126 %



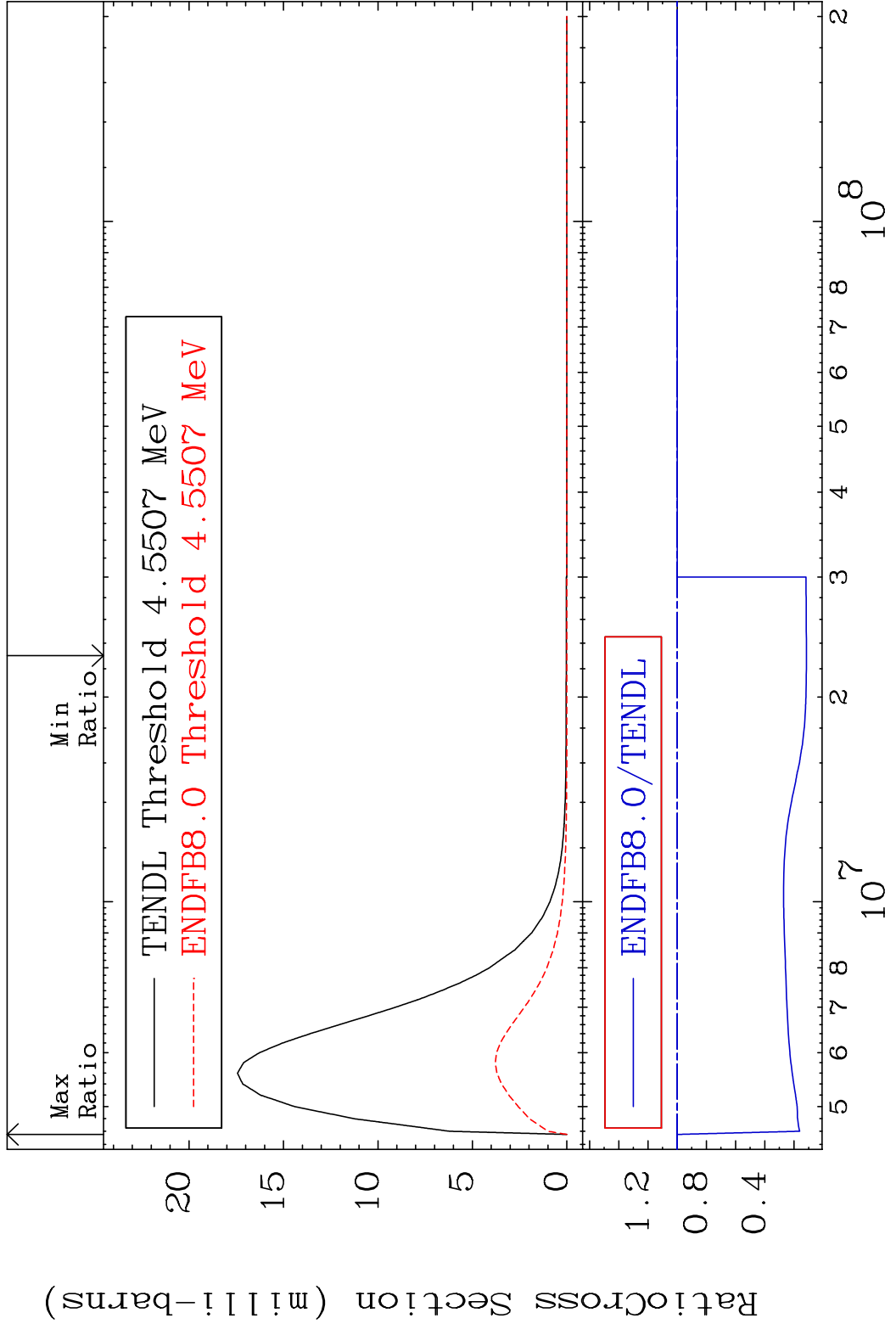
MAT 2046 MT= 70 (n, n') Level 20-Ca-47  
 Cross Section -98.28 To 0.000 %



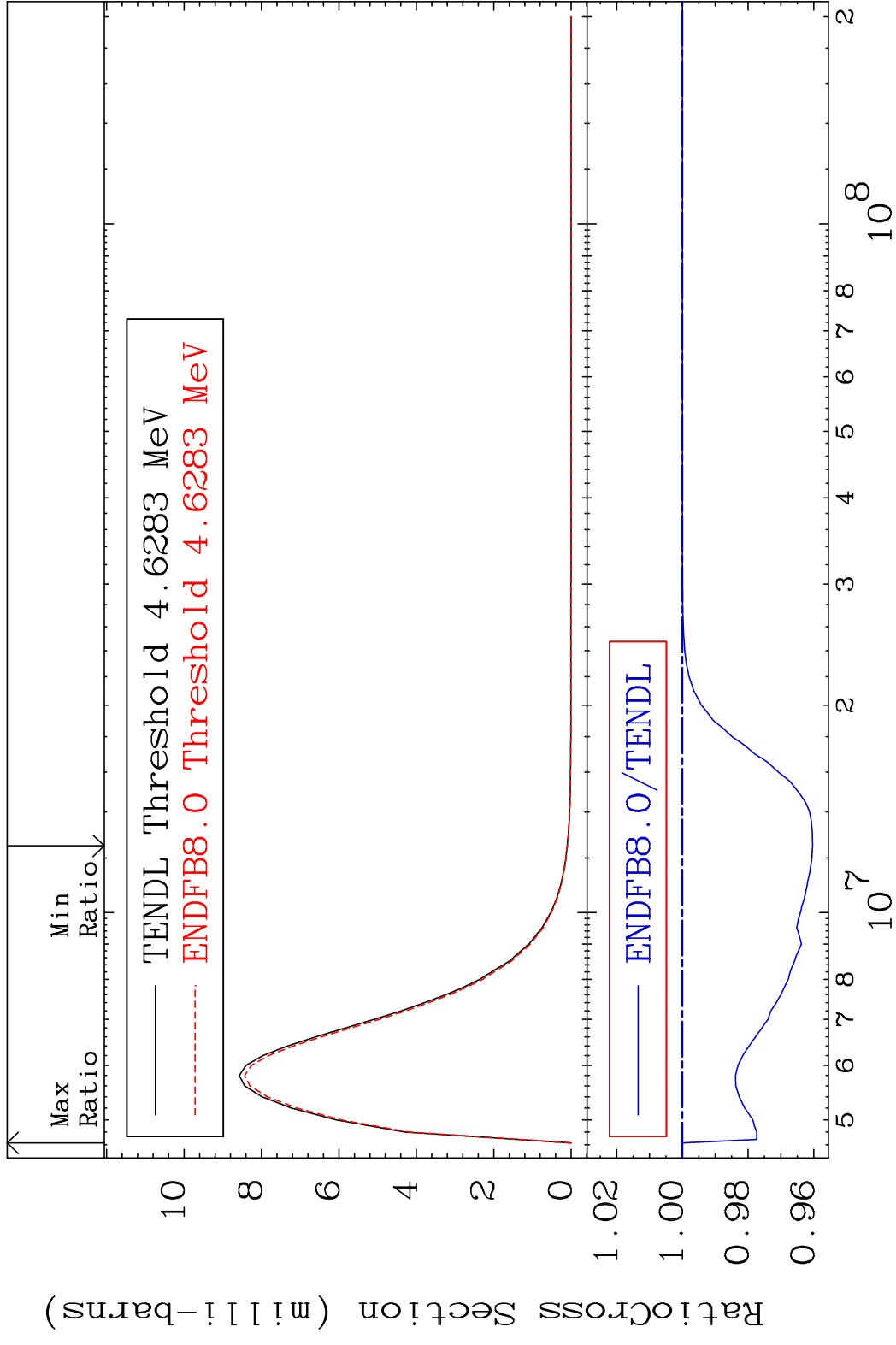
MAT 2046 MT= 71 (n,n') Level 20-Ca-47  
 Cross Section -5.097 To 6.910 %



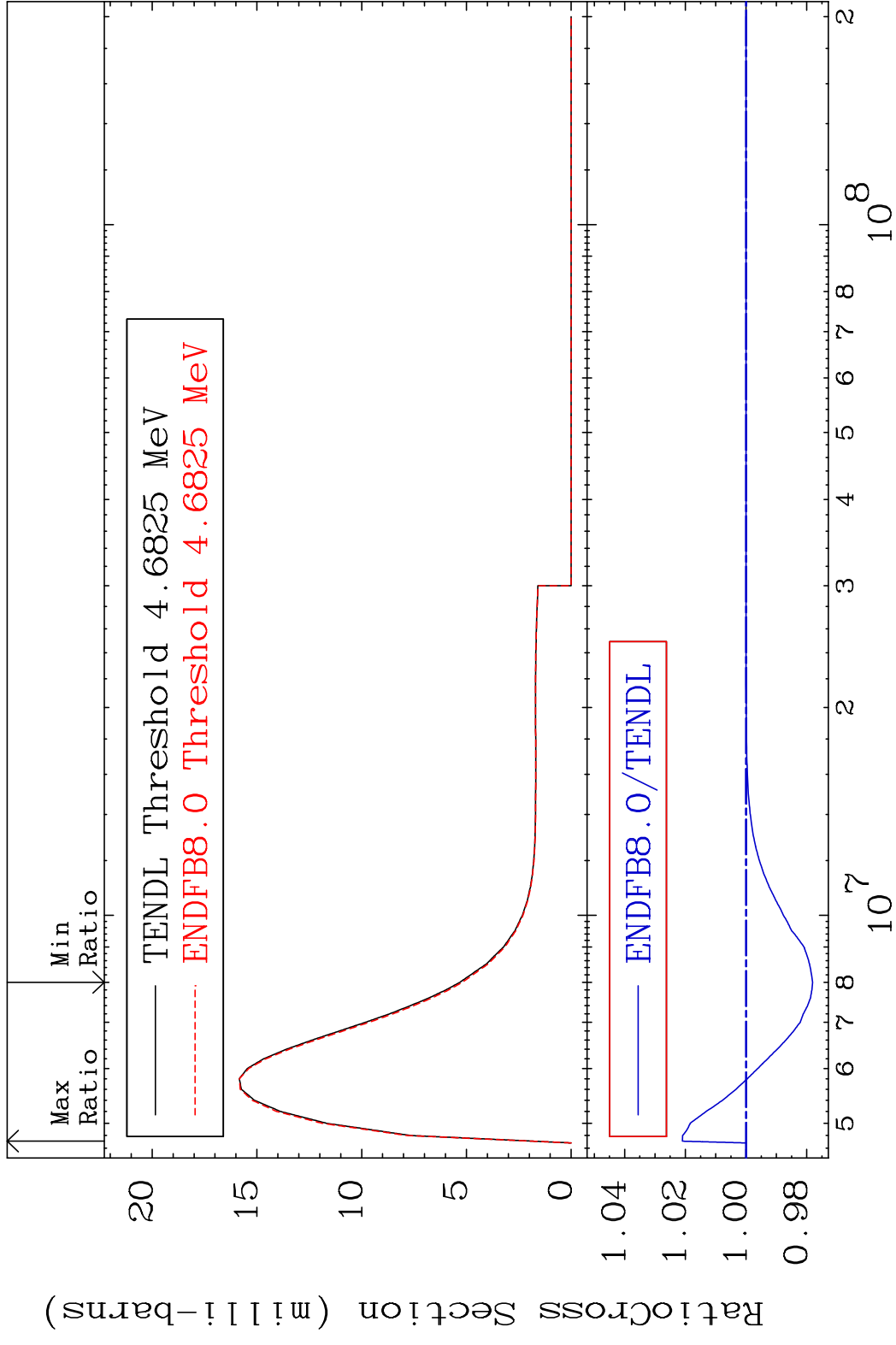
MAT 2046 MT= 72 (n,n') Level 20-Ca-47  
 Cross Section -88.49 To 0.000 %



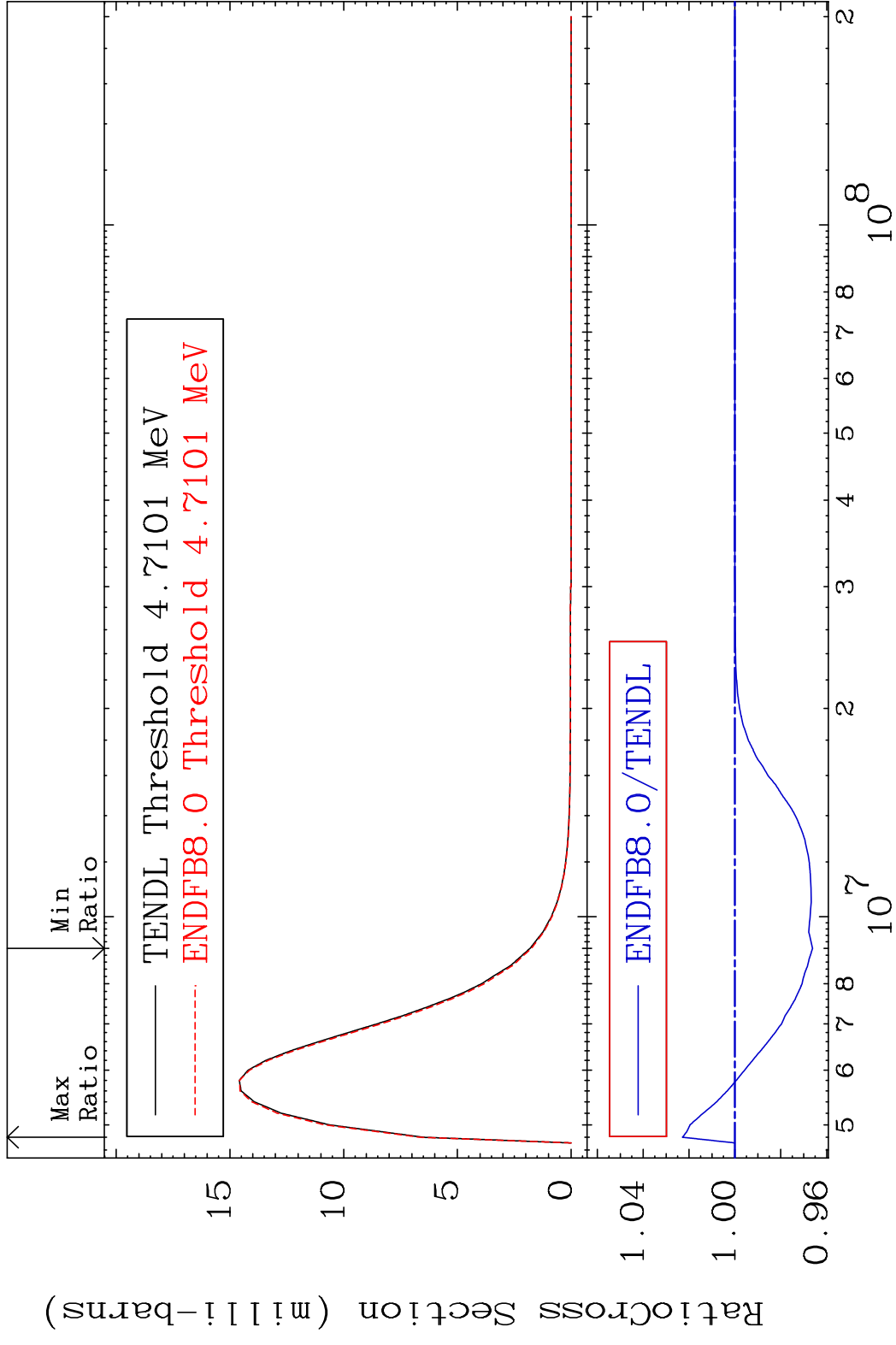
MAT 2046 MT= 73 (n,n') Level 20-Ca-47  
 Cross Section -3.965 To 0.000 %



MAT 2046 MT= 74 (n,n') Level 20-Ca-47  
 Cross Section -2.191 To 2.099 %

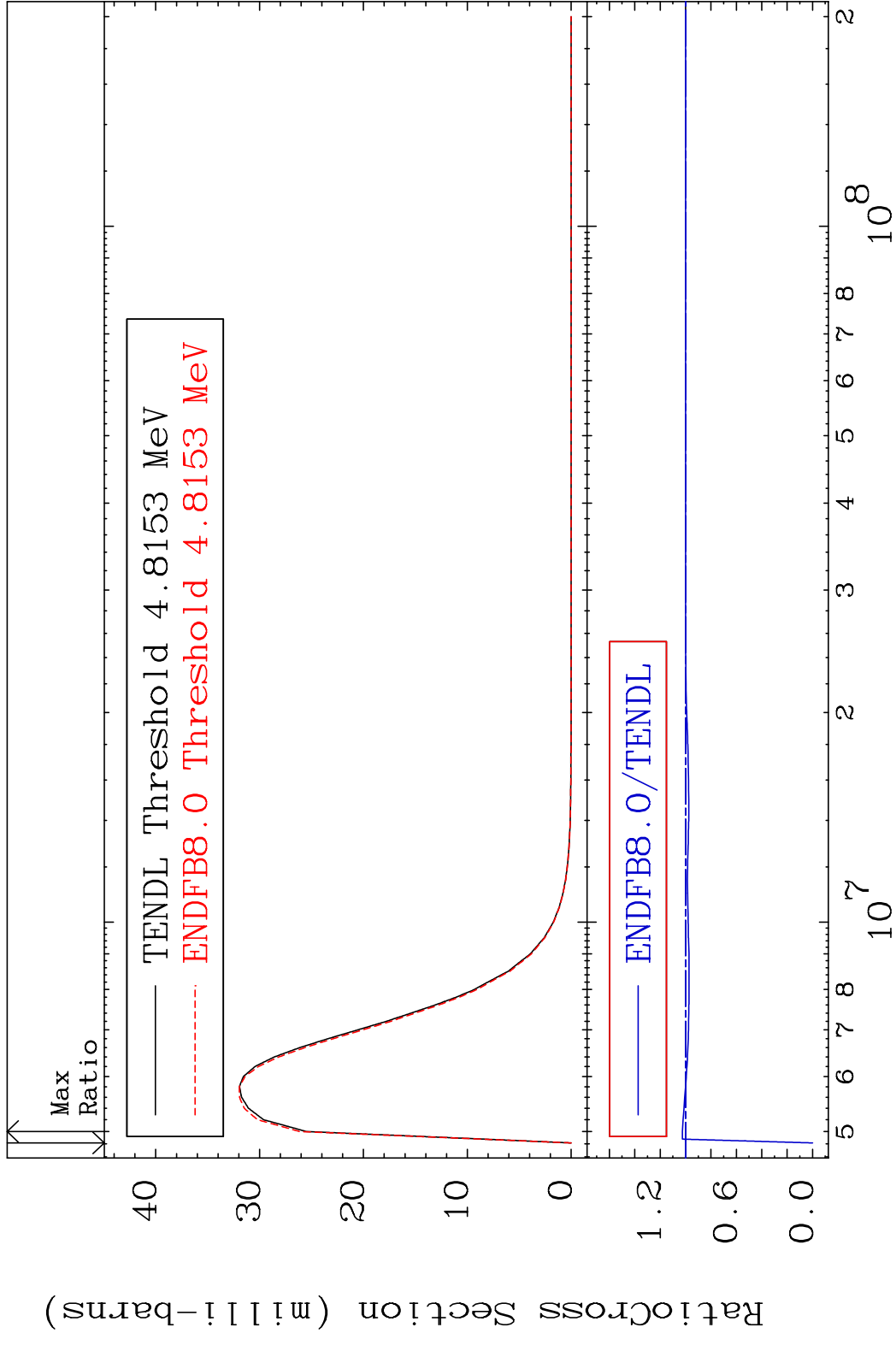


MAT 2046 MT= 75 (n,n') Level 20-Ca-47  
 Cross Section -3.386 To 2.294 %



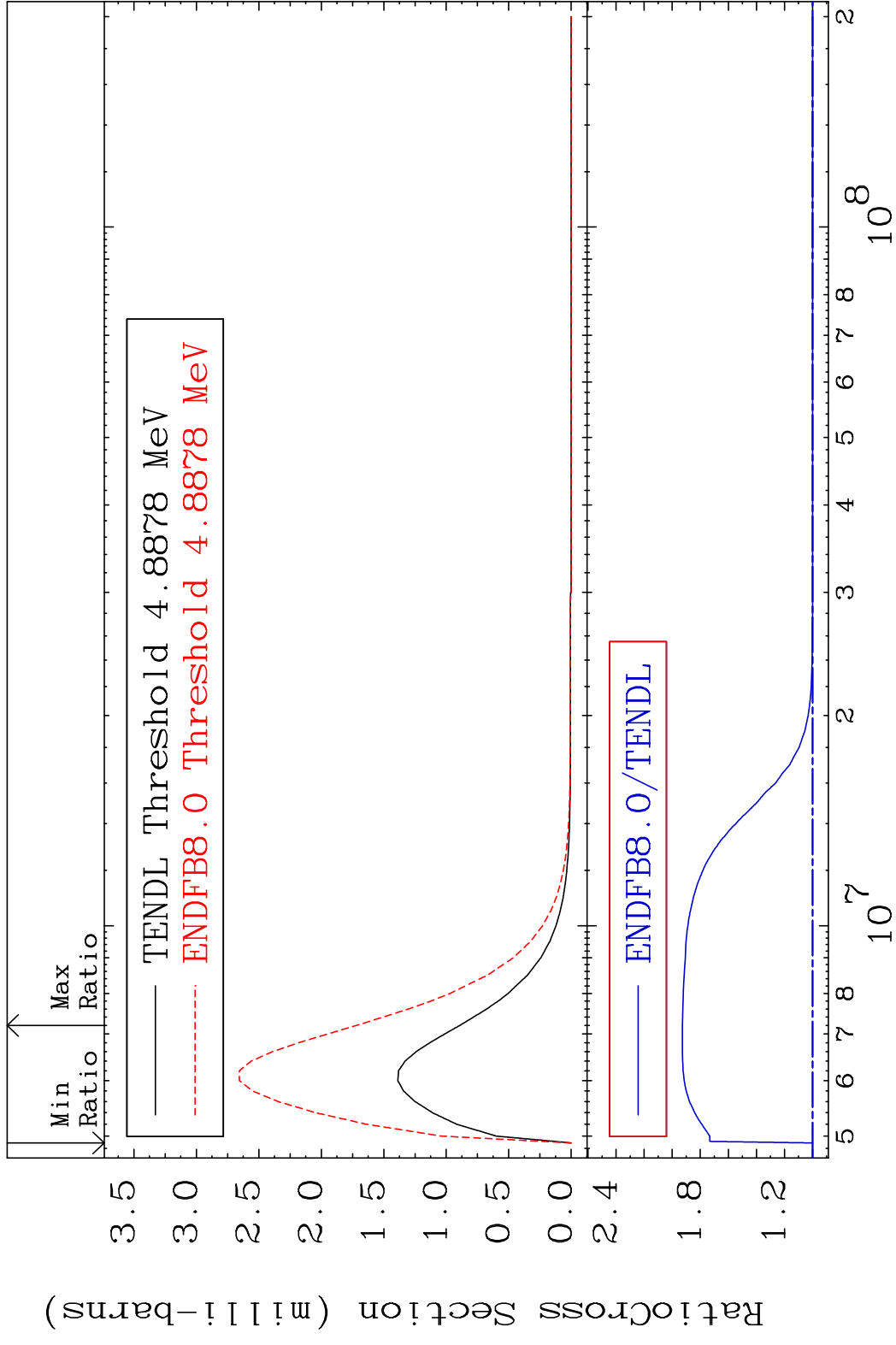
39 Incident Energy (eV) 20-Ca-47

MAT 2046 MT= 76 (n,n') Level 20-Ca-47  
 Cross Section -100.0 To 2.528 %

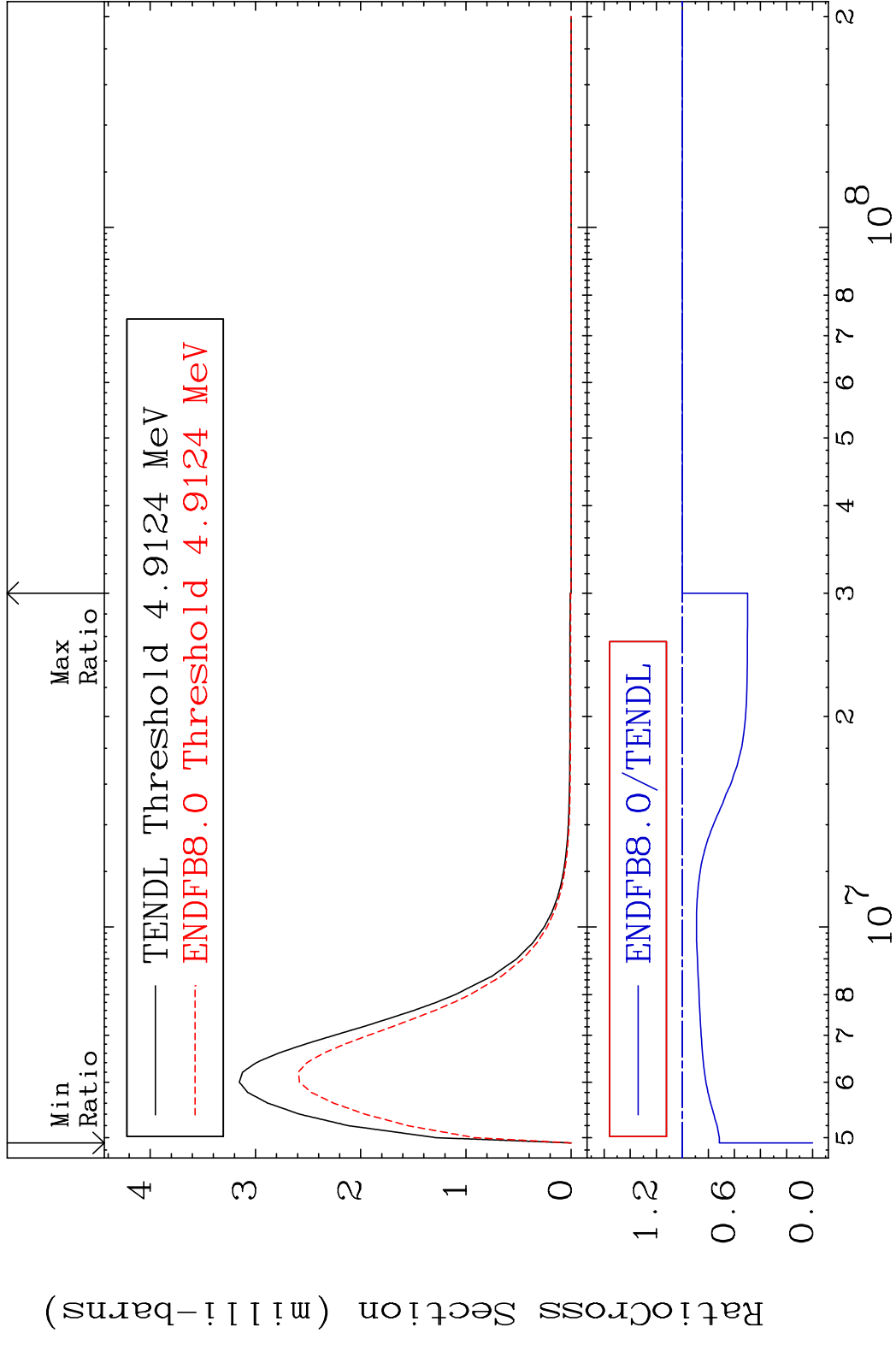


40 Incident Energy (eV) 20-Ca-47

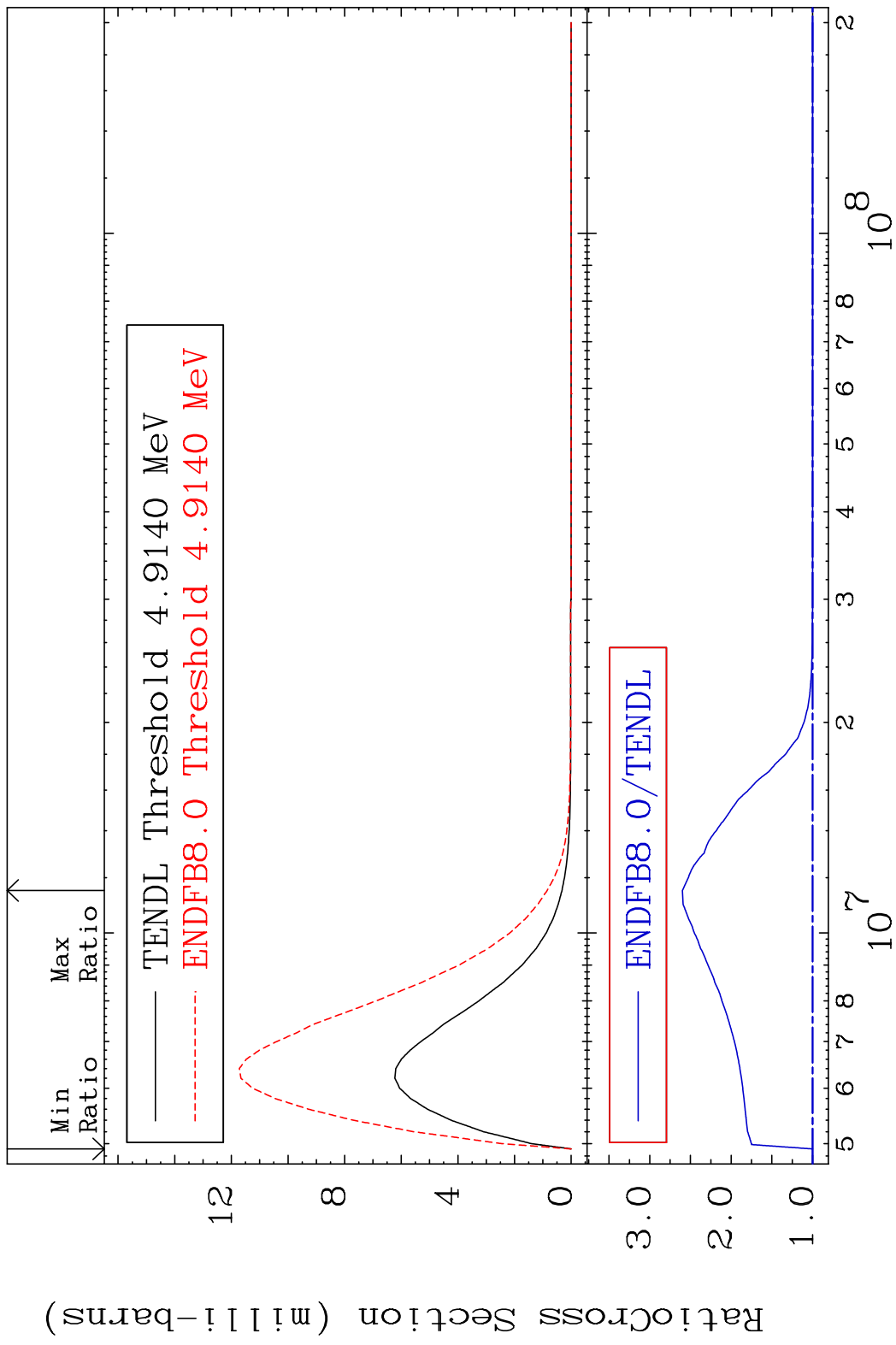
MAT 2046 MT= 77 (n,n') Level 20-Ca-47  
 Cross Section 0.000 To 92.77 %



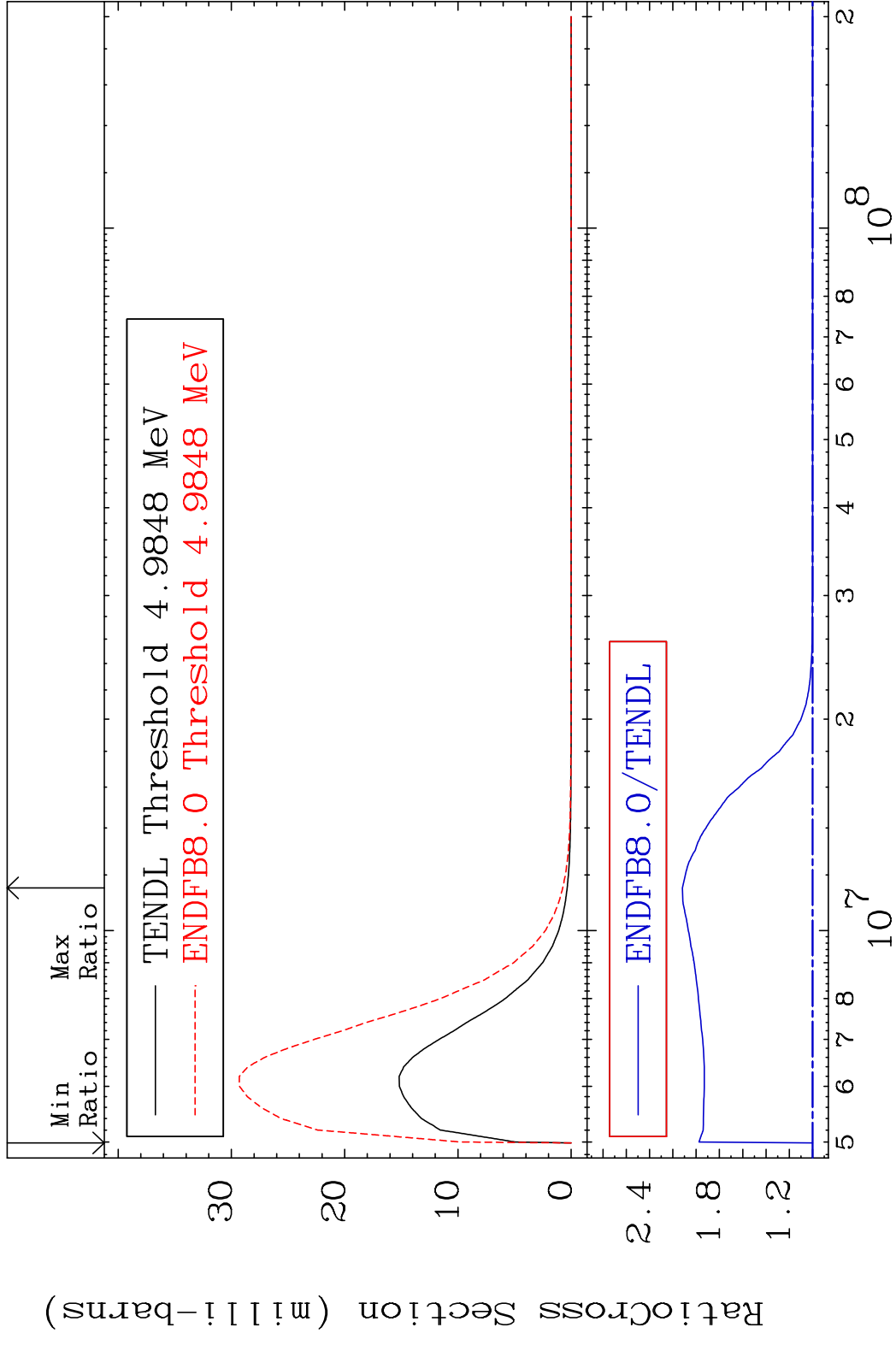
MAT 2046 MT= 78 (n, n') Level 20-Ca-47  
 Cross Section -100.0 To 0.000 %



MAT 2046 MT= 79 (n,n') Level 20-Ca-47  
 Cross Section 0.000 To 159.9 %

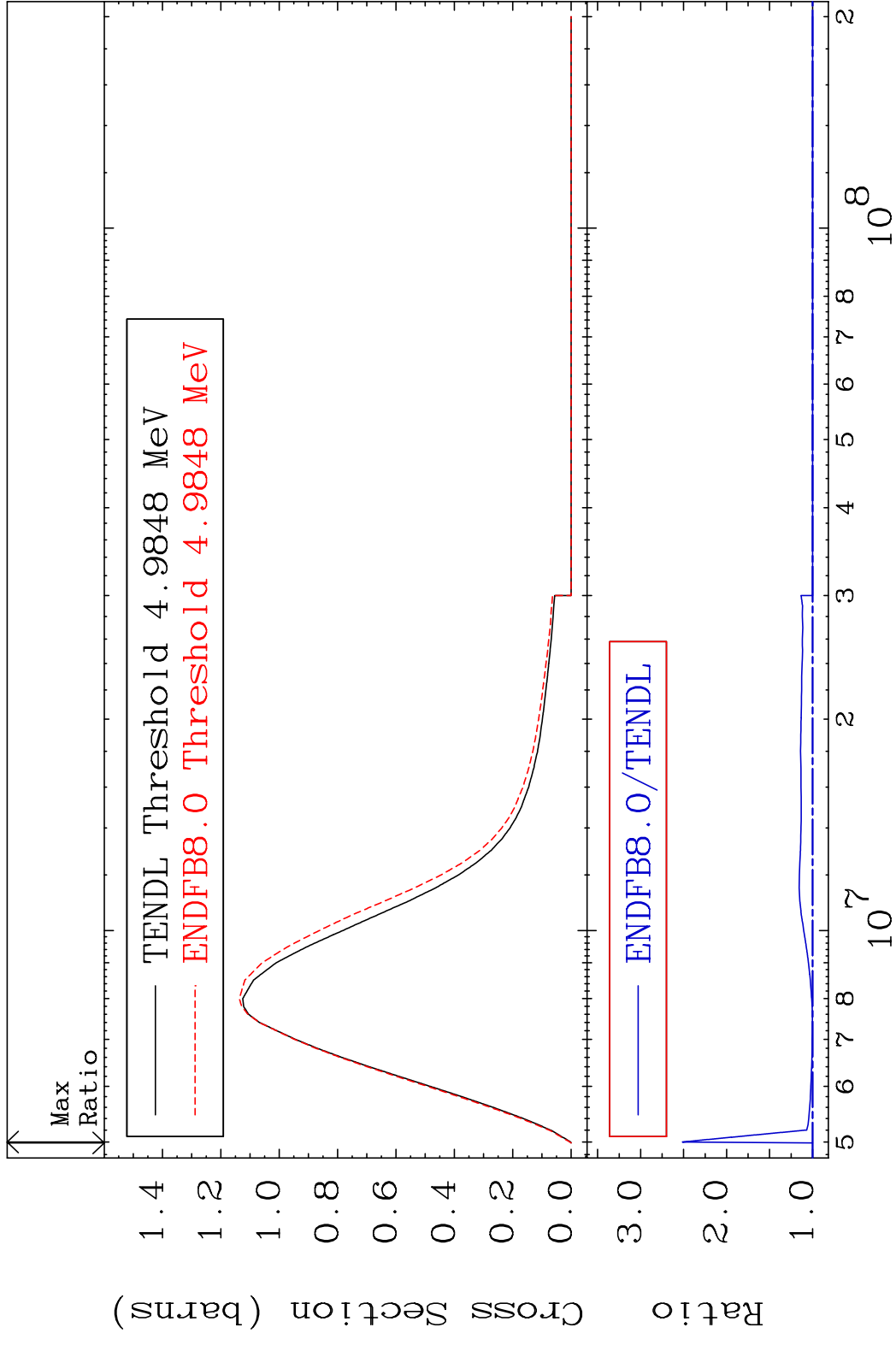


MAT 2046 MT= 80 (n,n') Level 20-Ca-47  
 Cross Section 0.000 To 111.9 %



44 Incident Energy (eV) 20-Ca-47

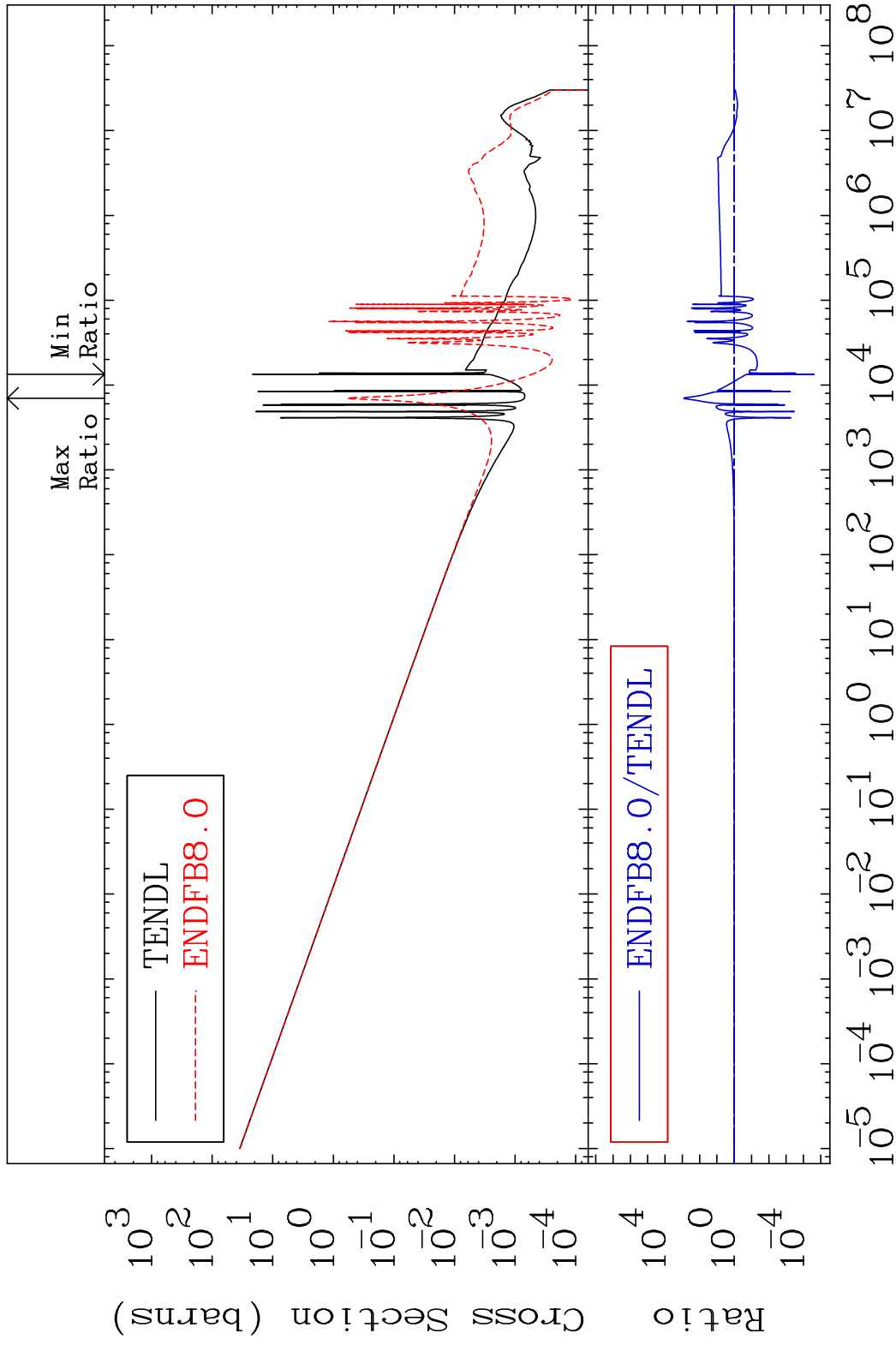
MAT 2046 (n,n') Continuum 20-Ca-47  
 Cross Section 0.000 To 151.5 %



45 Incident Energy (eV) 20-Ca-47

MAT 2046

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
20-Ca-47



46

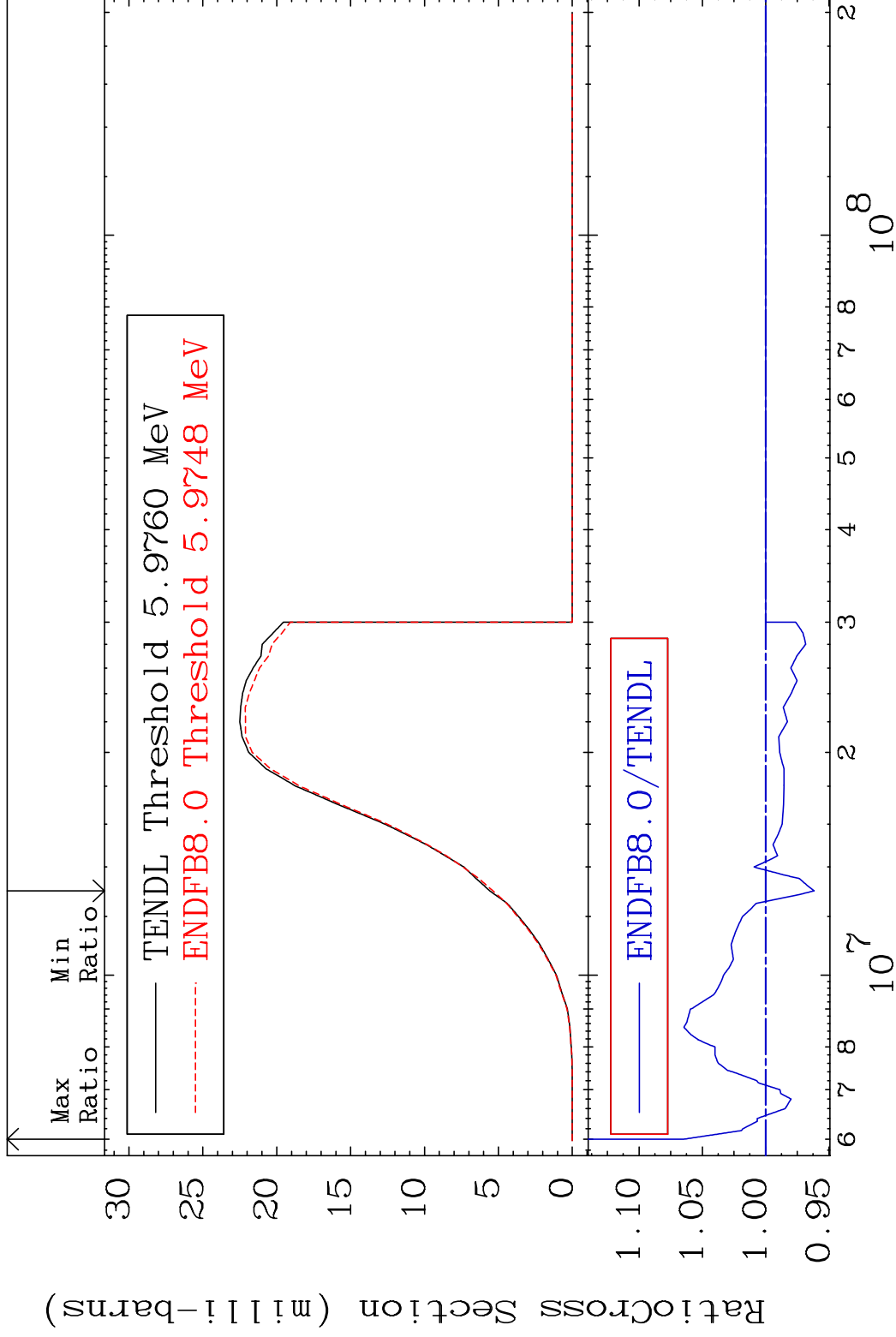
Incident Energy (eV) 20-Ca-47

MAT 2046

(n,p)

20-Ca-47

Cross Section -3.829 To 6.478 %



47

Incident Energy (eV)

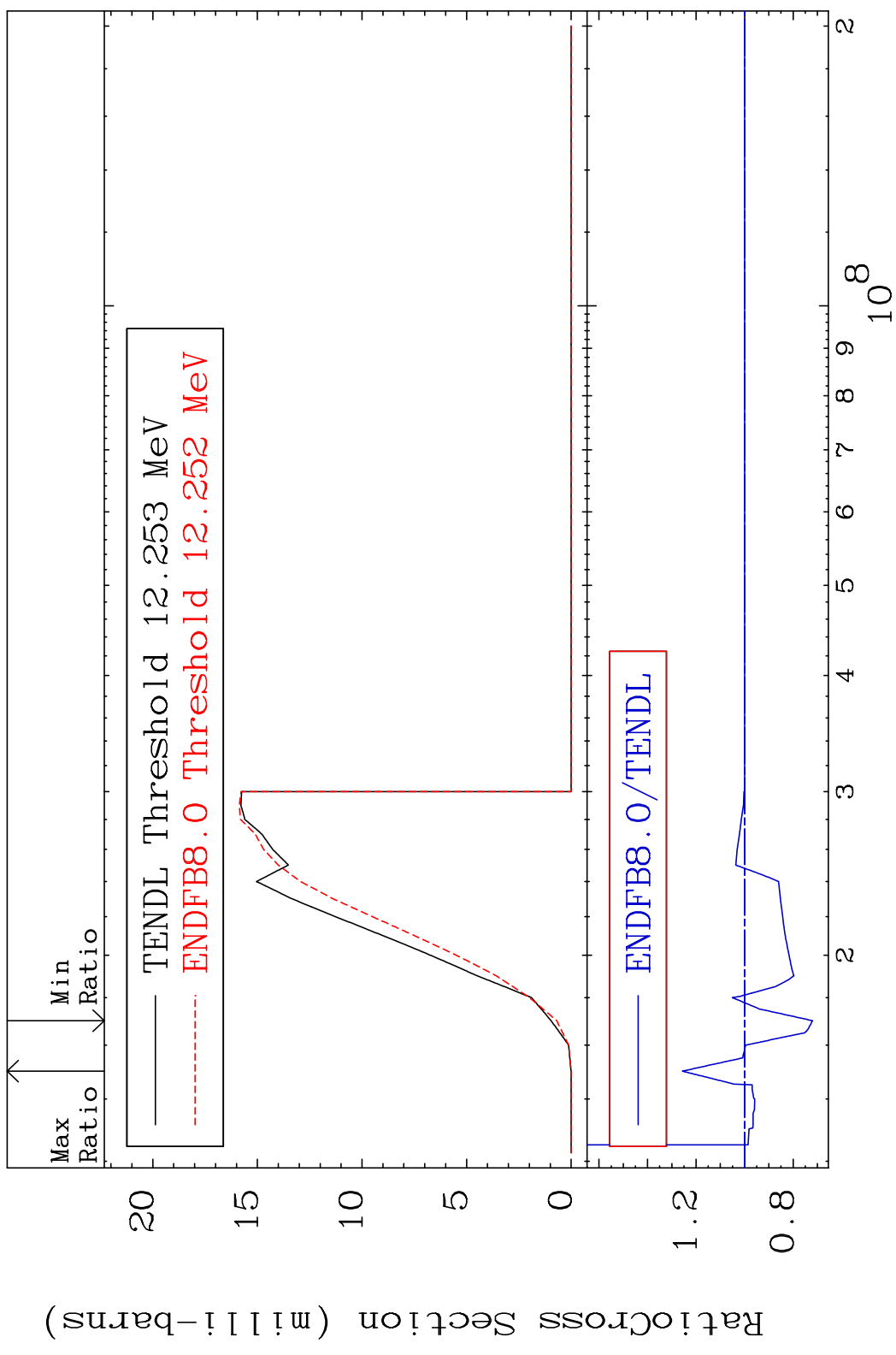
20-Ca-47

MAT 2046

(n,d)

20-Ca-47

Cross Section -28.01 To 25.65 %



48

Incident Energy (eV)

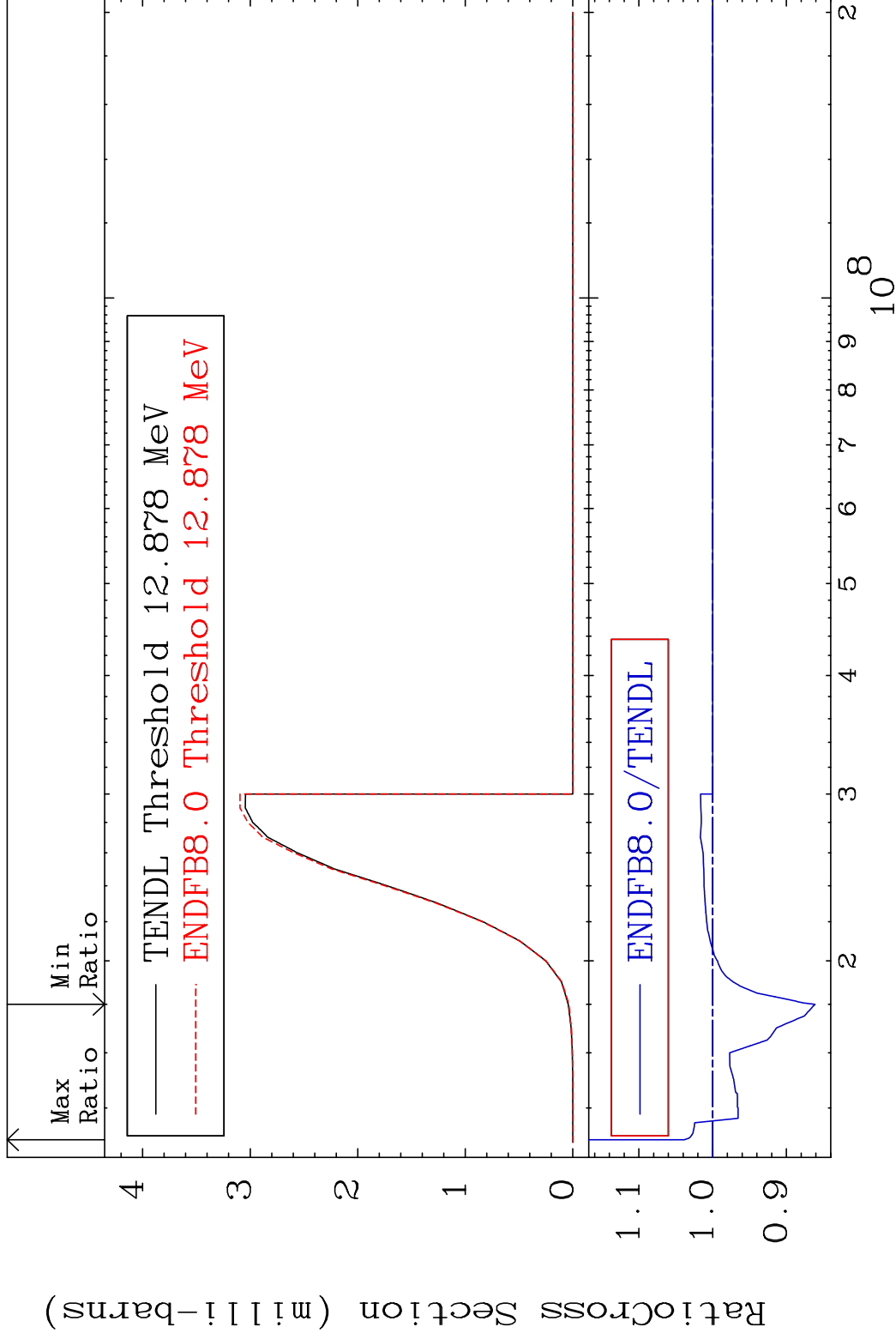
20-Ca-47

MAT 2046

(n, t)

20-Ca-47

Cross Section -13.85 To 3.844 %

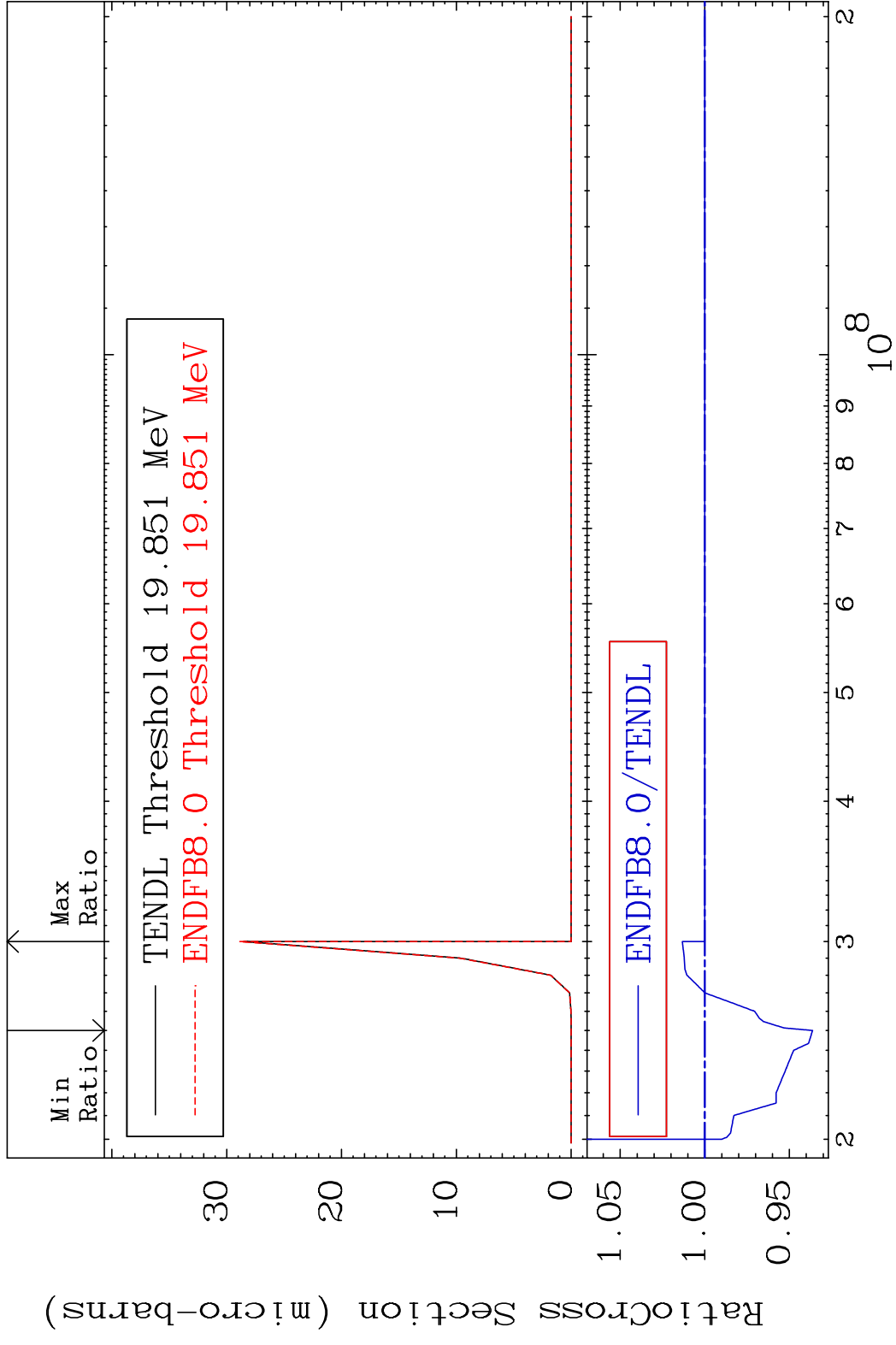


49

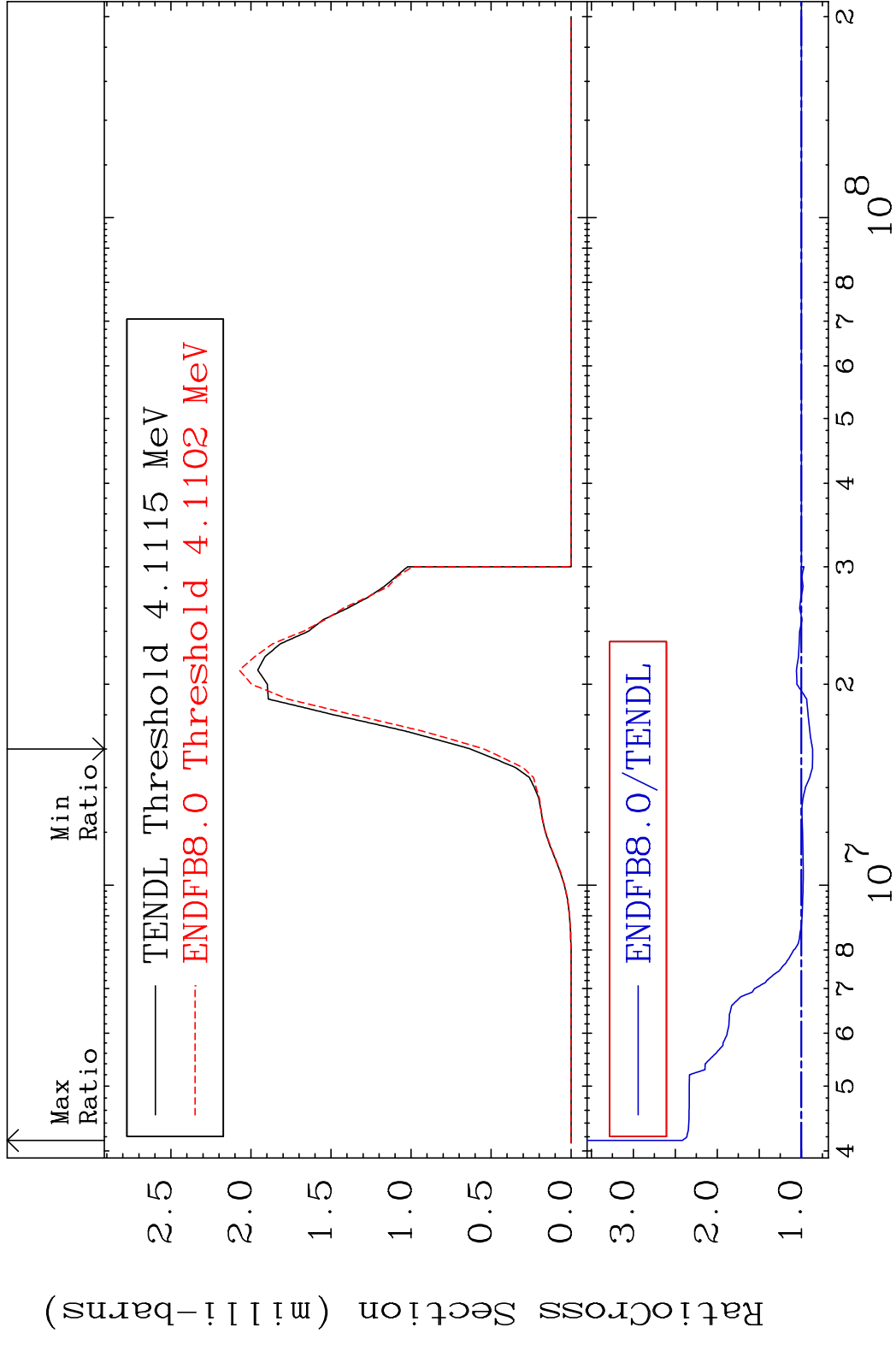
Incident Energy (eV)

20-Ca-47

MAT 2046 (n, He-3) 20-Ca-47  
 Cross Section -6.369 To 1.328 %



MAT 2046 (n,α) 20-Ca-47  
 Cross Section -13.37 To 141.6 %

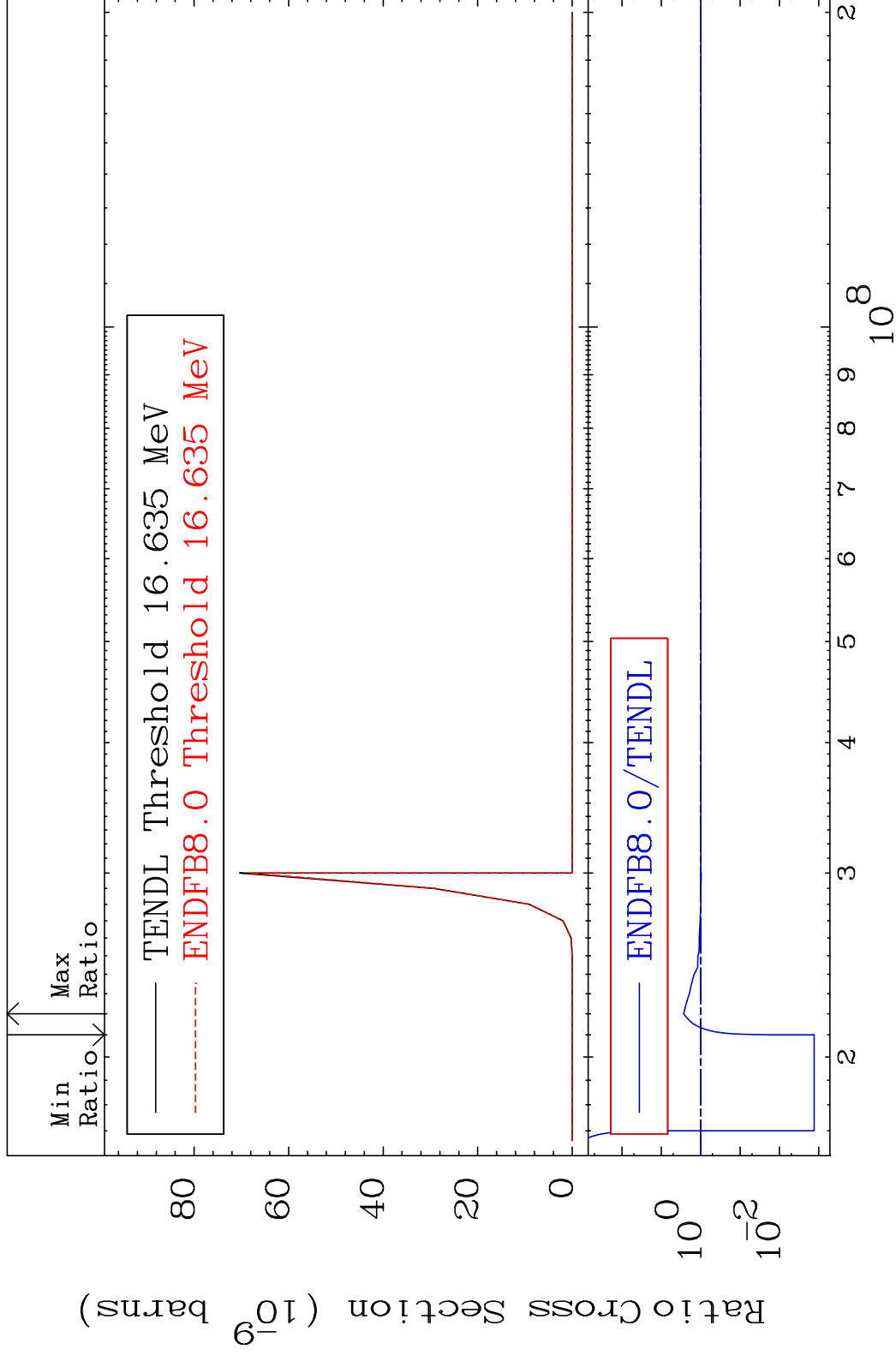


MAT 2046

(n,2α)

20-Ca-47

Cross Section -99.87 To 172.0 %

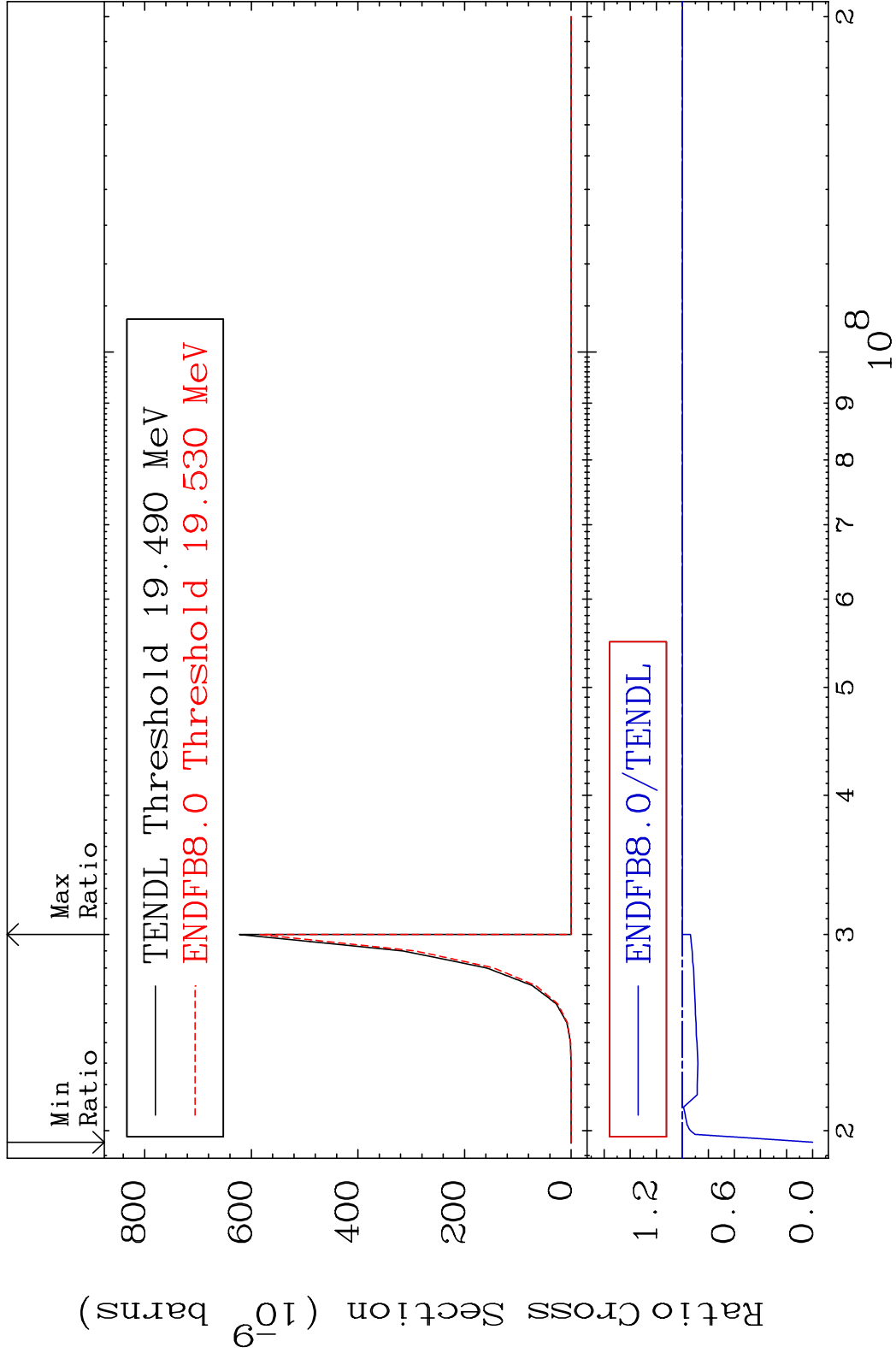


52

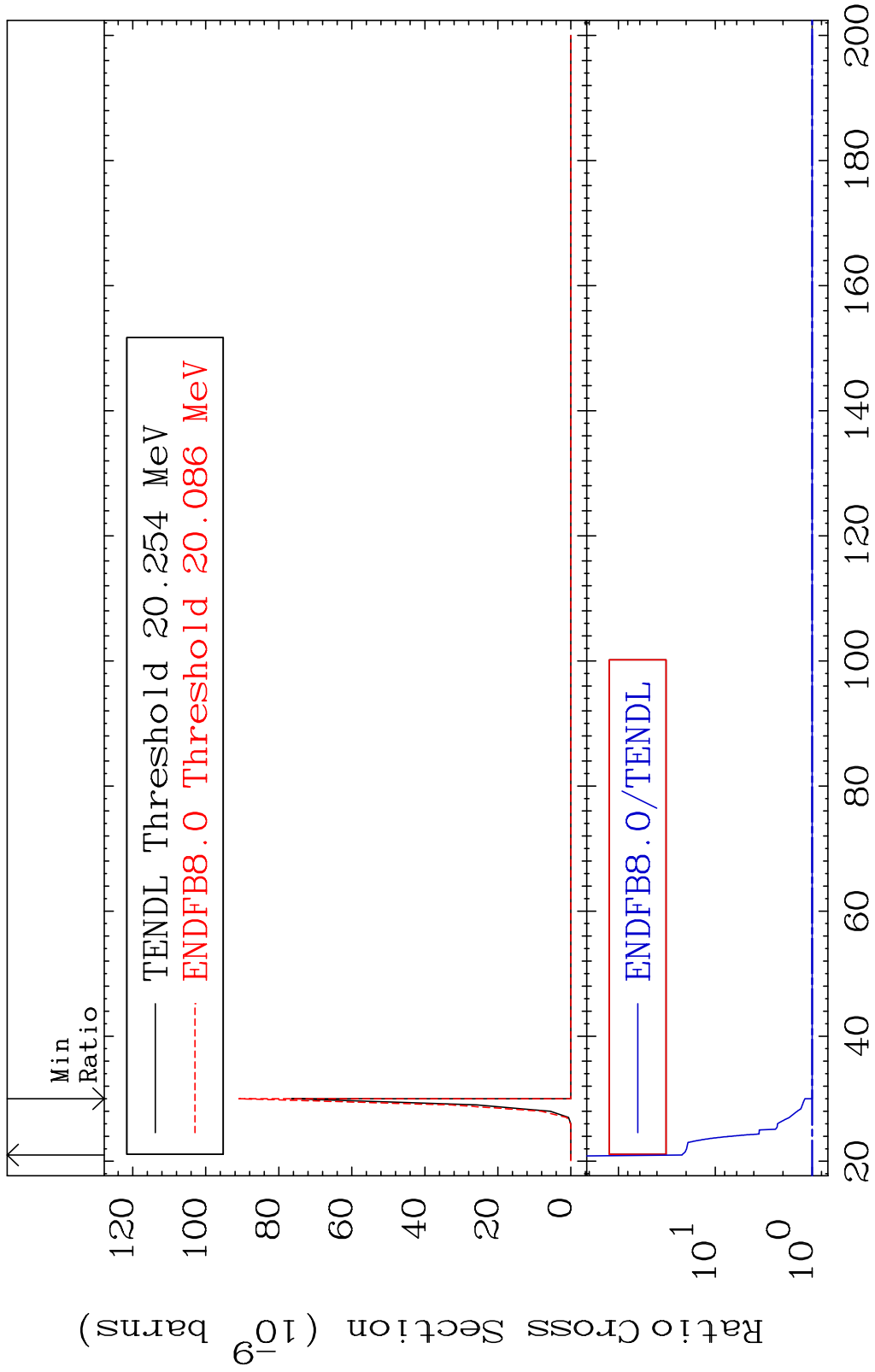
Incident Energy (eV)

20-Ca-47

MAT 2046 (n,2p) 20-Ca-47  
 Cross Section -100.0 To 0.000 %

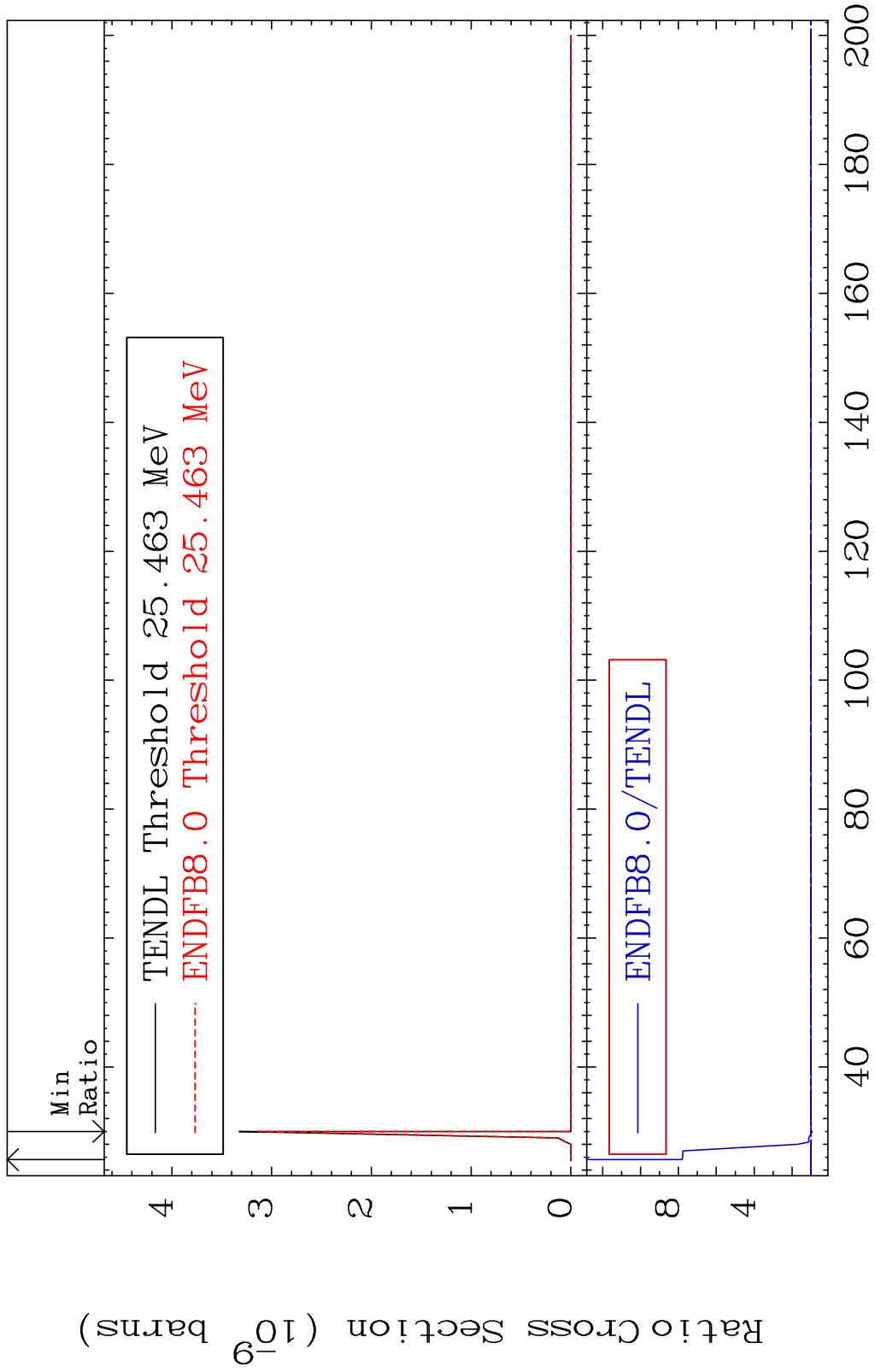


MAT 2046 (n,p)  $\alpha$  20-Ca-47  
 Cross Section 0.000 To 2106. %

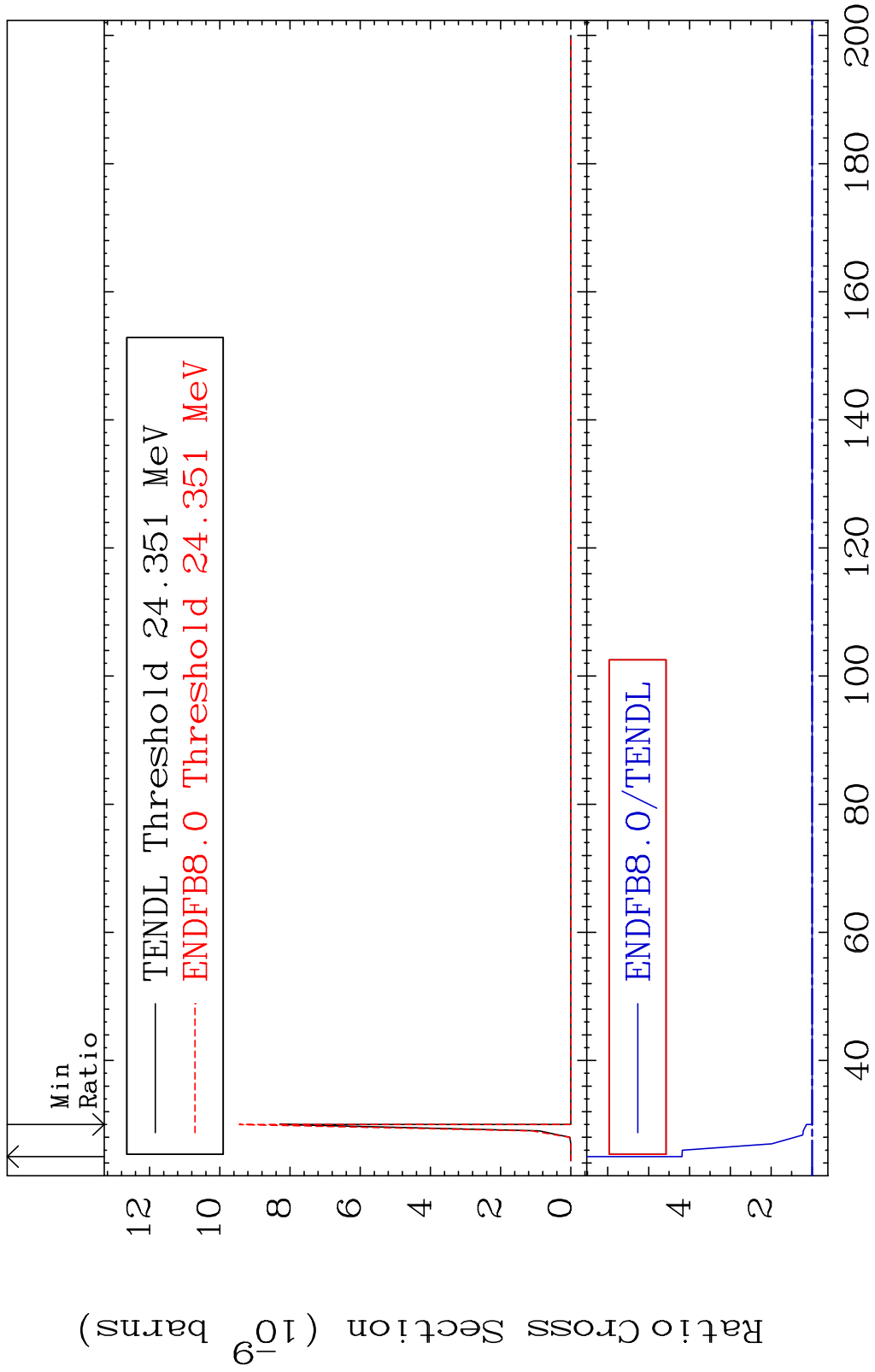


54 Incident Energy (MeV) 20-Ca-47

MAT 2046 (n,p) d 20-Ca-47  
Cross Section -5.720 To 681.2 %

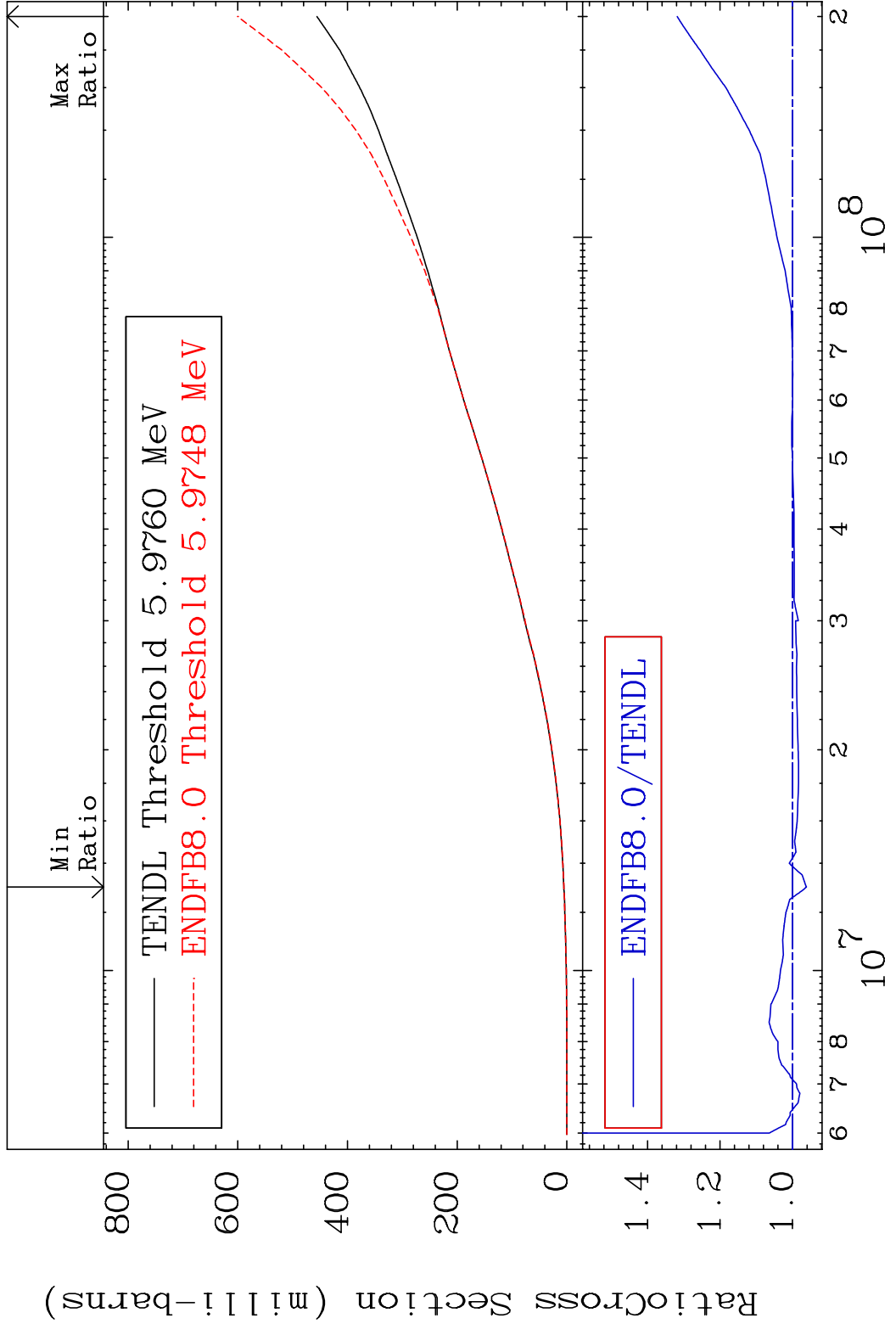


MAT 2046 (n,p) t 20-Ca-47  
 Cross Section 0.000 To 318.4 %



MAT 2046

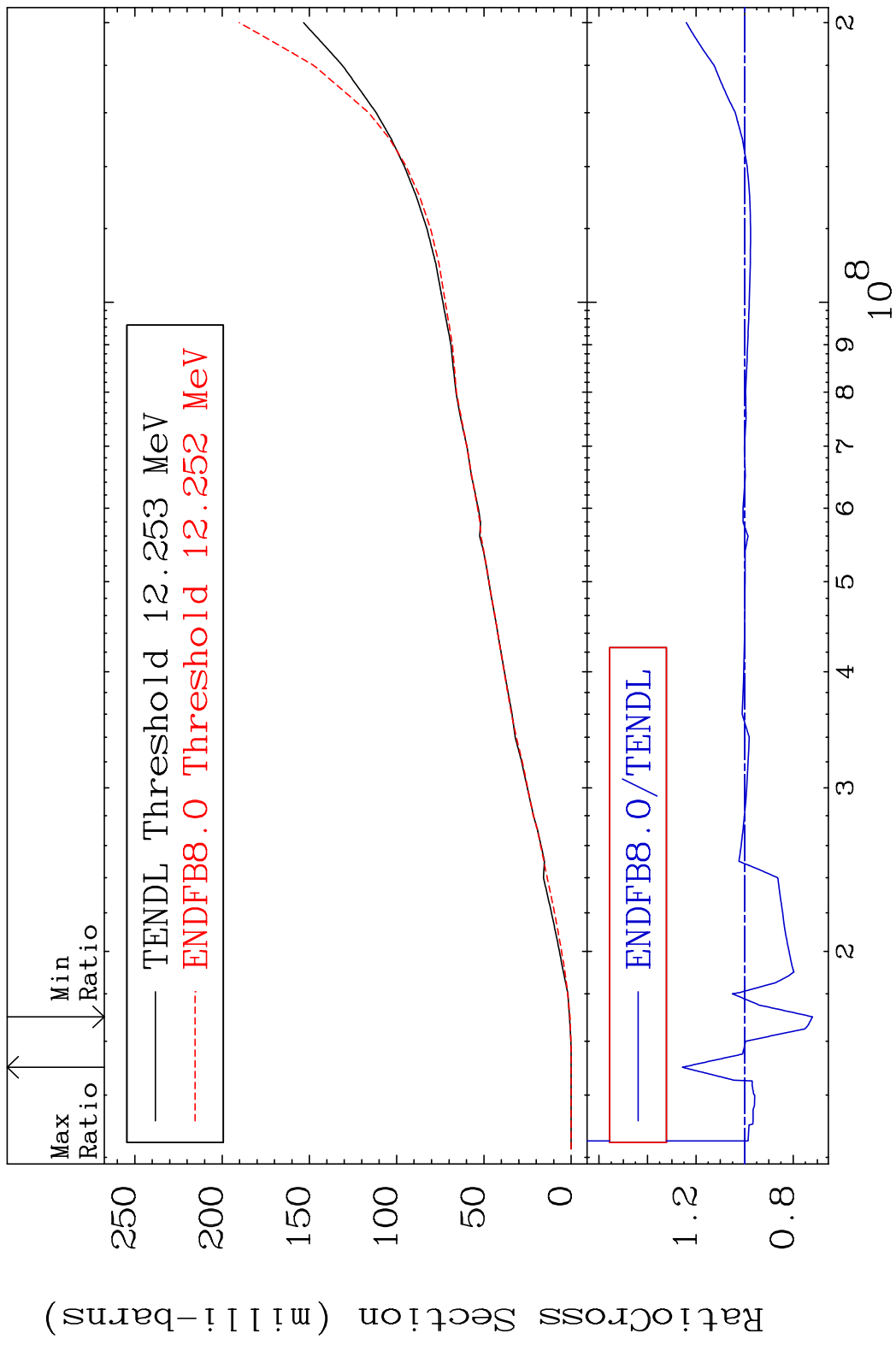
Hydrogen Production 20-Ca-47  
Cross Section -3.829 To 31.81 %



57

Incident Energy (eV) 20-Ca-47

MAT 2046 Deuterium Production 20-Ca-47  
 Cross Section -28.01 To 25.65 %

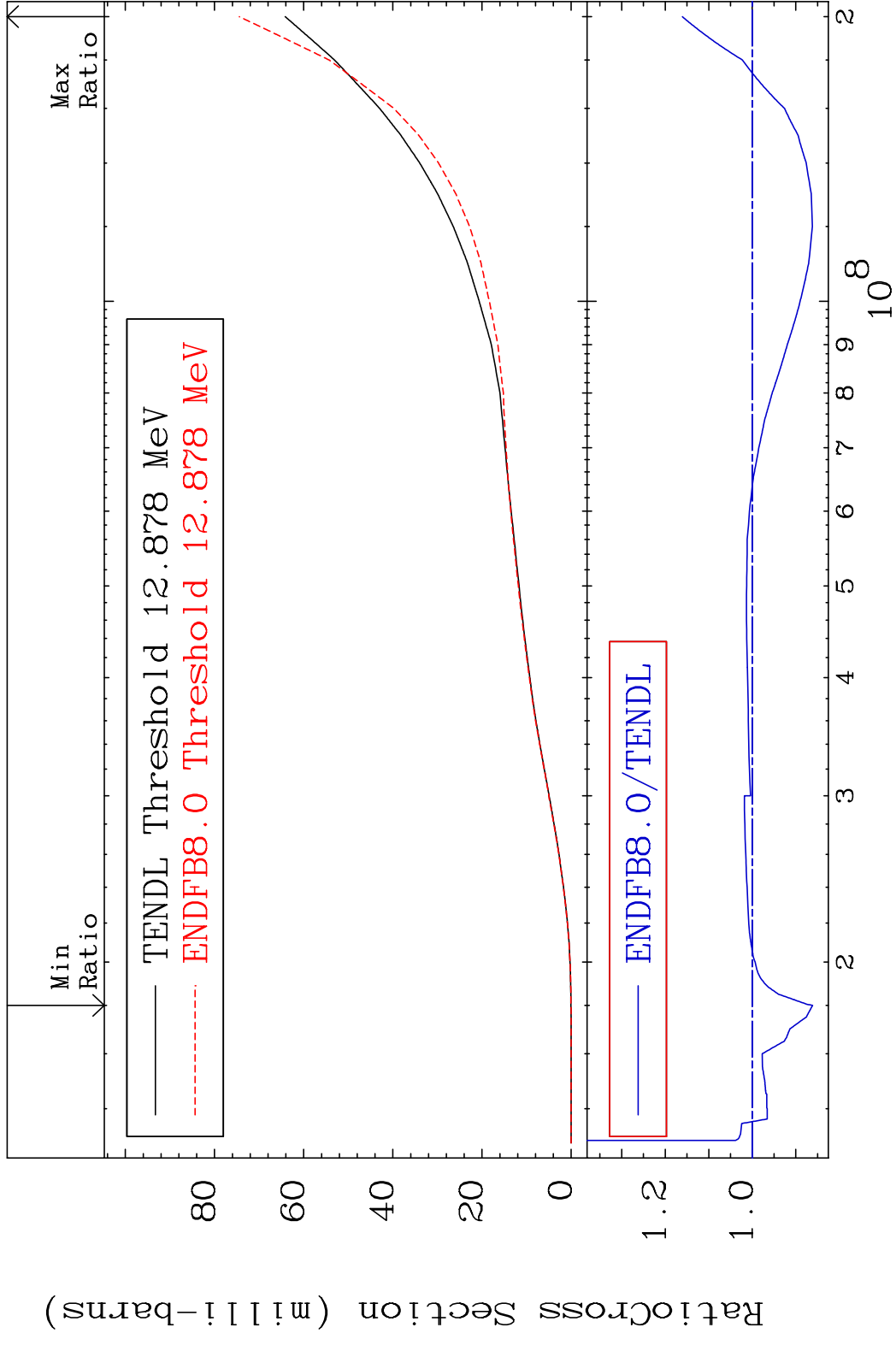


MAT 2046

Tritium Production

20-Ca-47

Cross Section -13.85 To 16.06 %

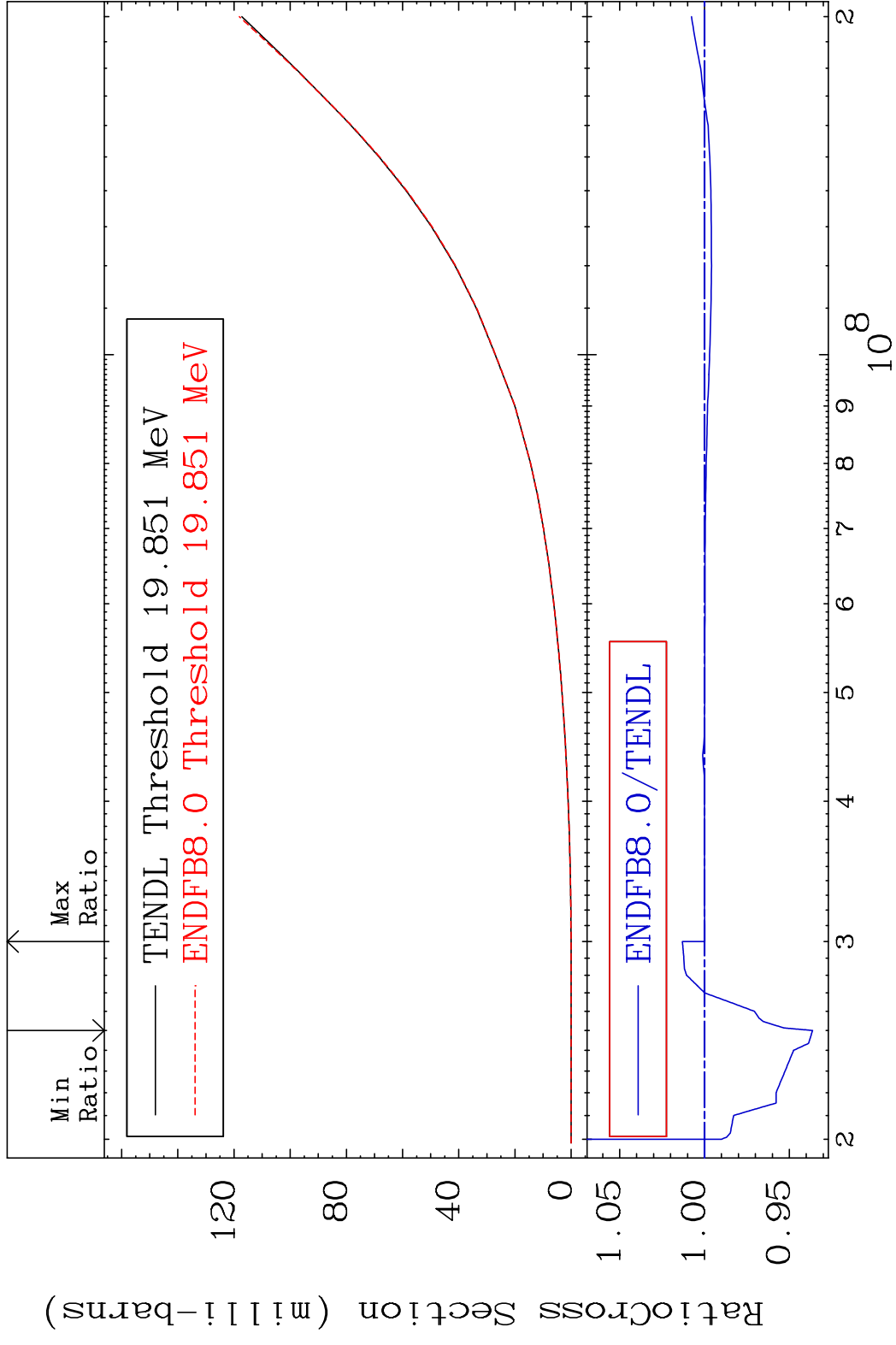


MAT 2046

He-3 Production

20-Ca-47

Cross Section -6.369 To 1.305 %



60

Incident Energy (eV)

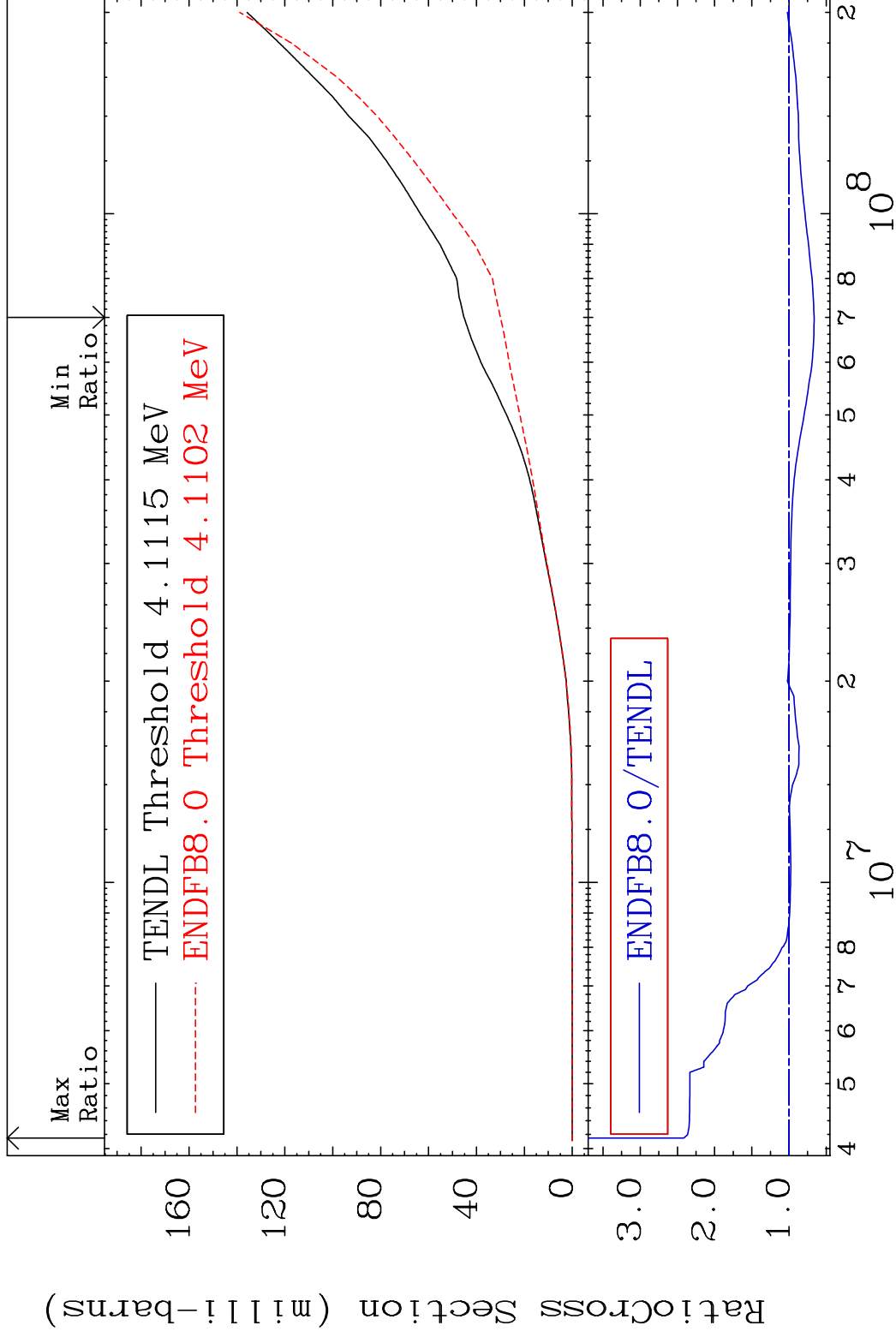
20-Ca-47

MAT 2046

He-4 Production

20-Ca-47

Cross Section -33.69 To 141.6 %

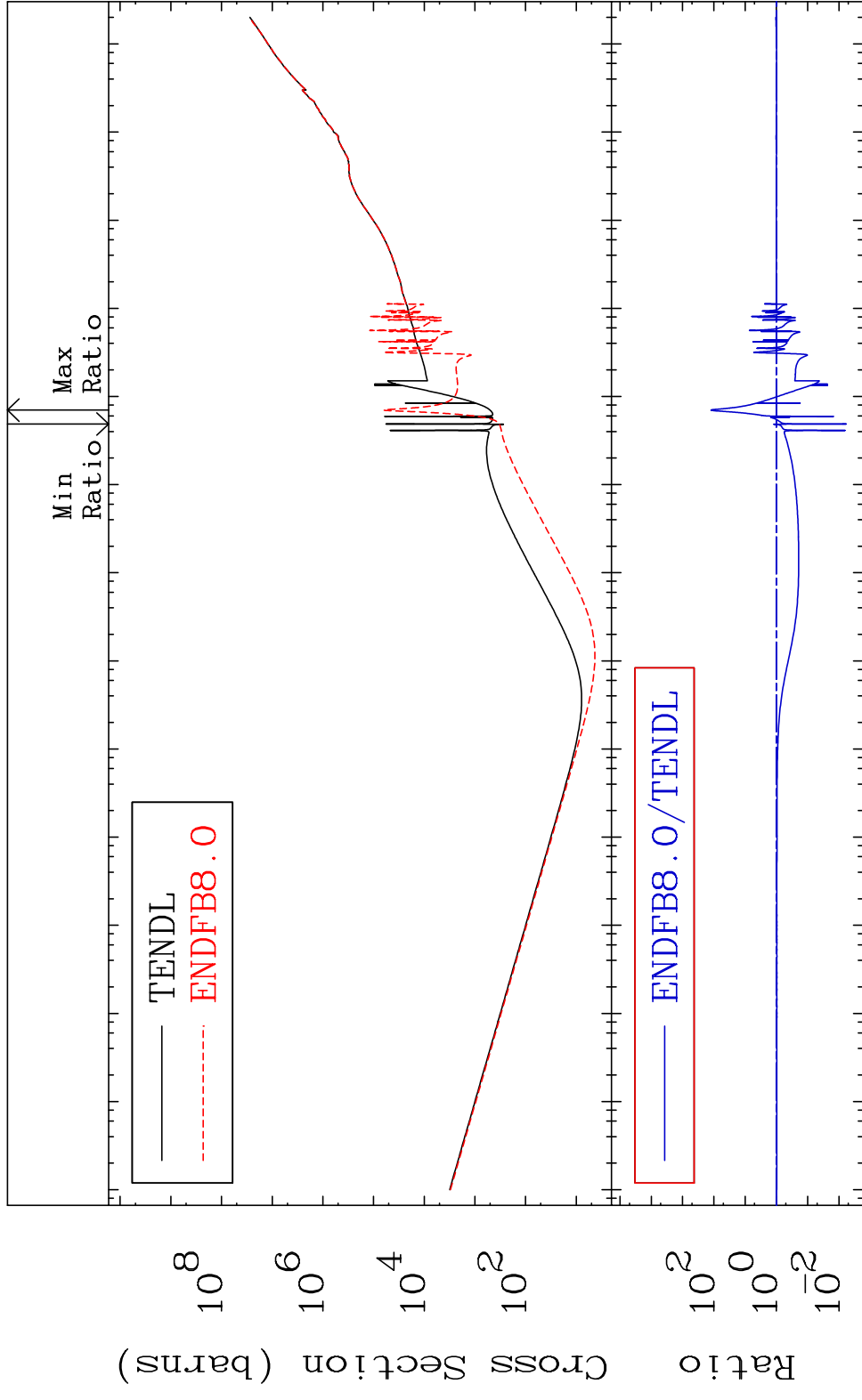


61

Incident Energy (eV)

20-Ca-47

MAT 2046 Kerma total (eV-barns) 20-Ca-47  
 Cross Section -99.42 To 9999. %

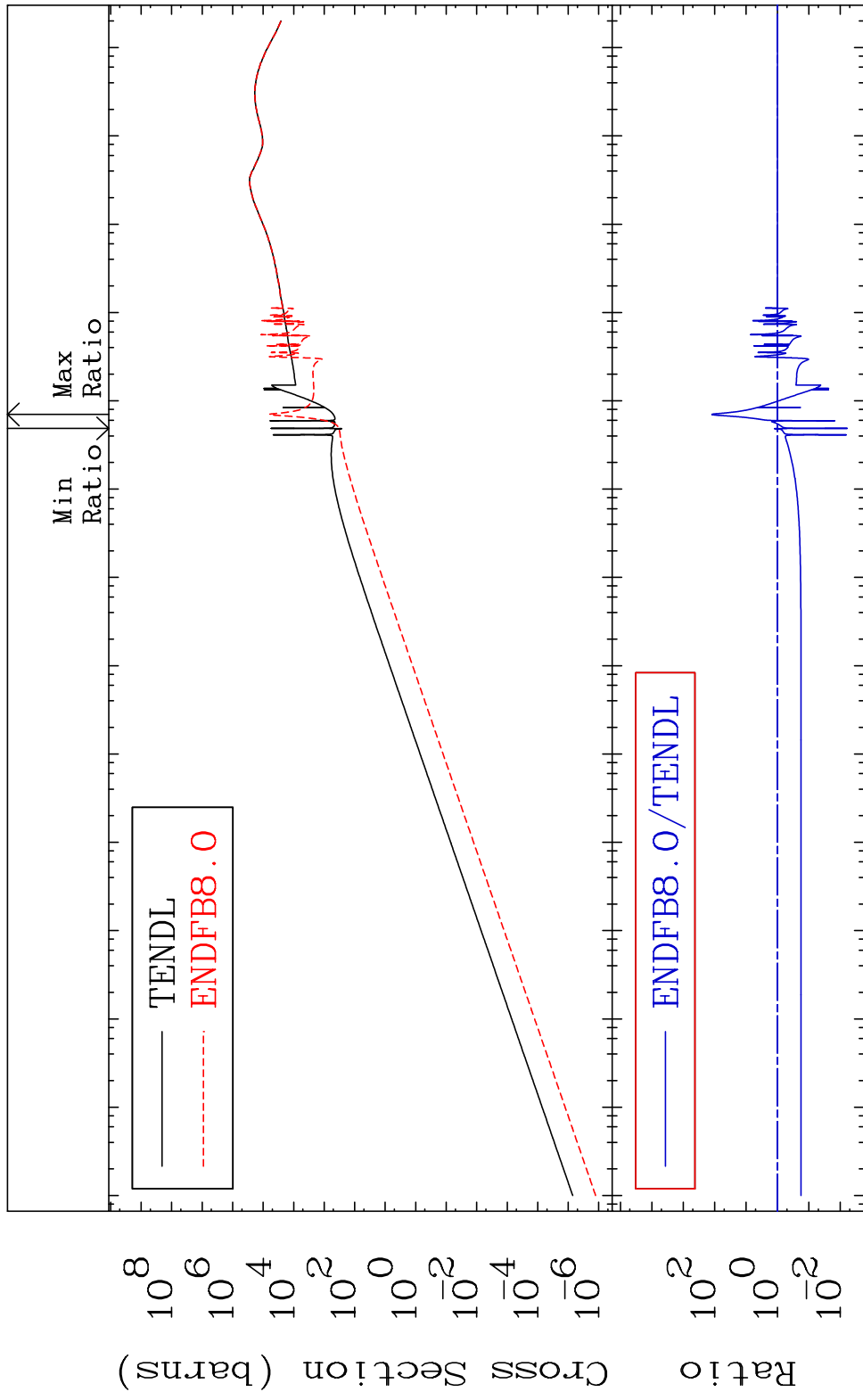


MAT 2046

Kerma elastic  
Cross Section

20-Ca-47

-99.40 To 9999. %

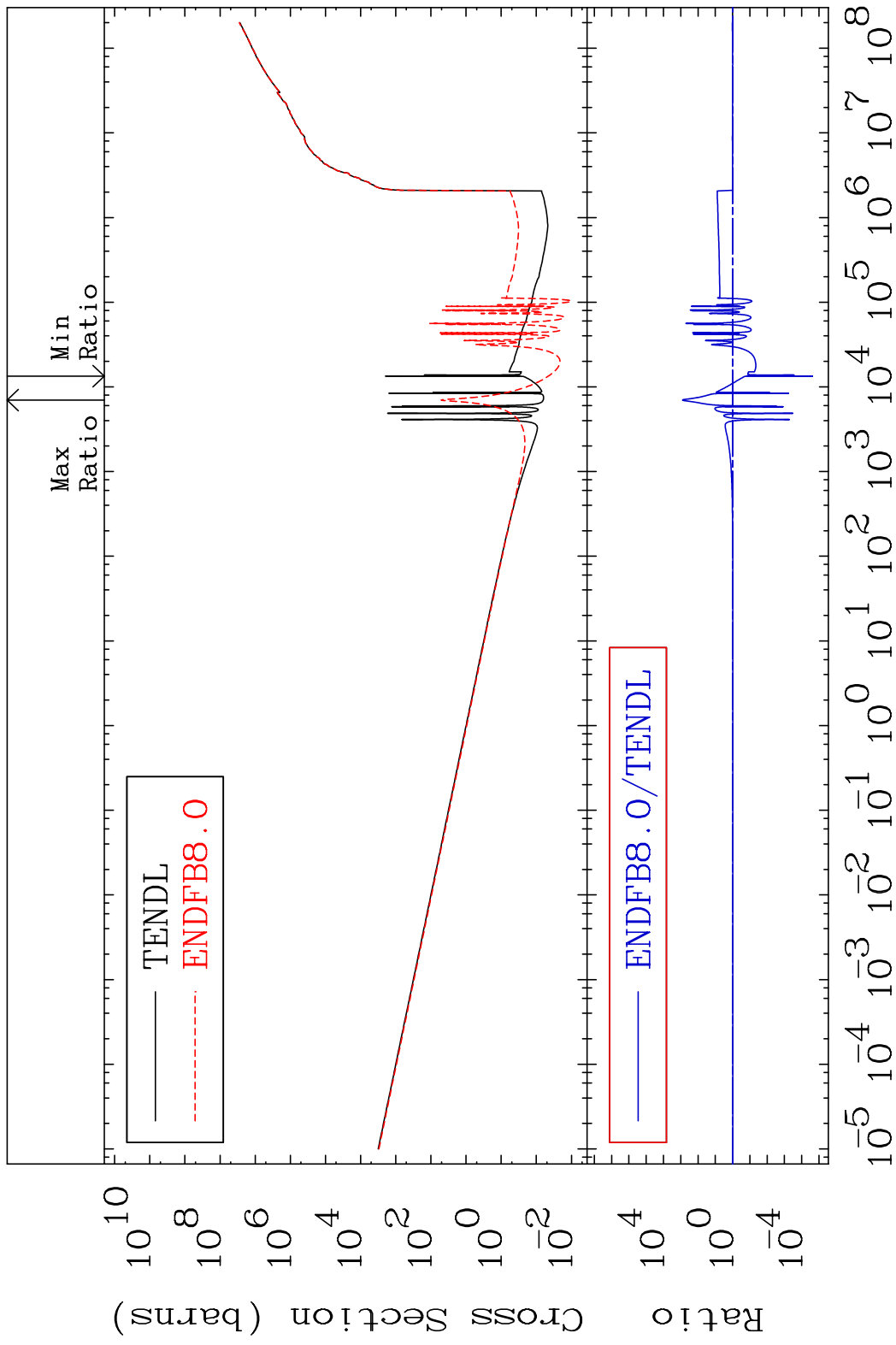


63

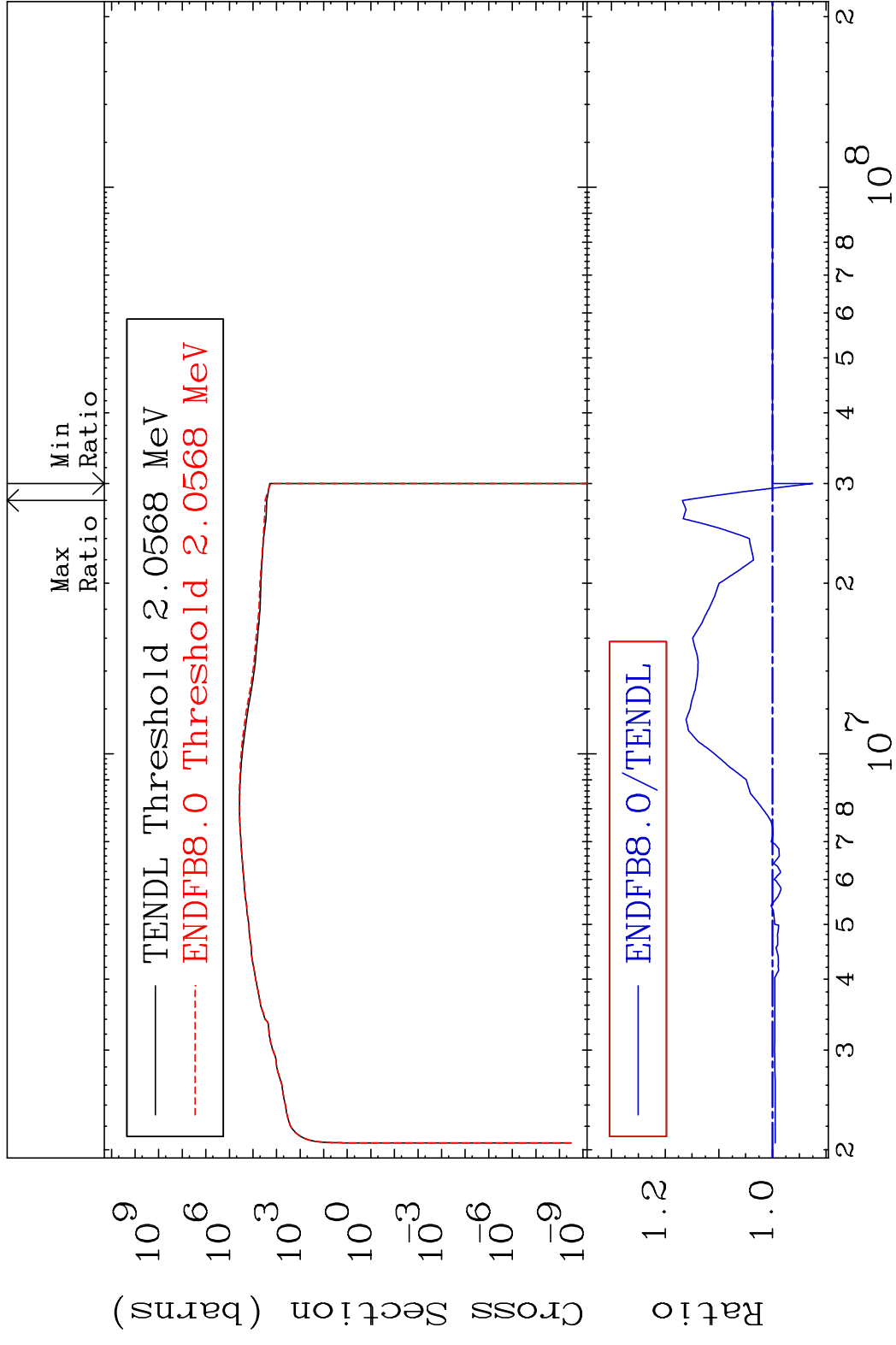
Incident Energy (eV)

20-Ca-47

MAT 2046 Kerma non-elastic (all but mt2) 20-Ca-47  
 Cross Section -100.0 To 9999. %

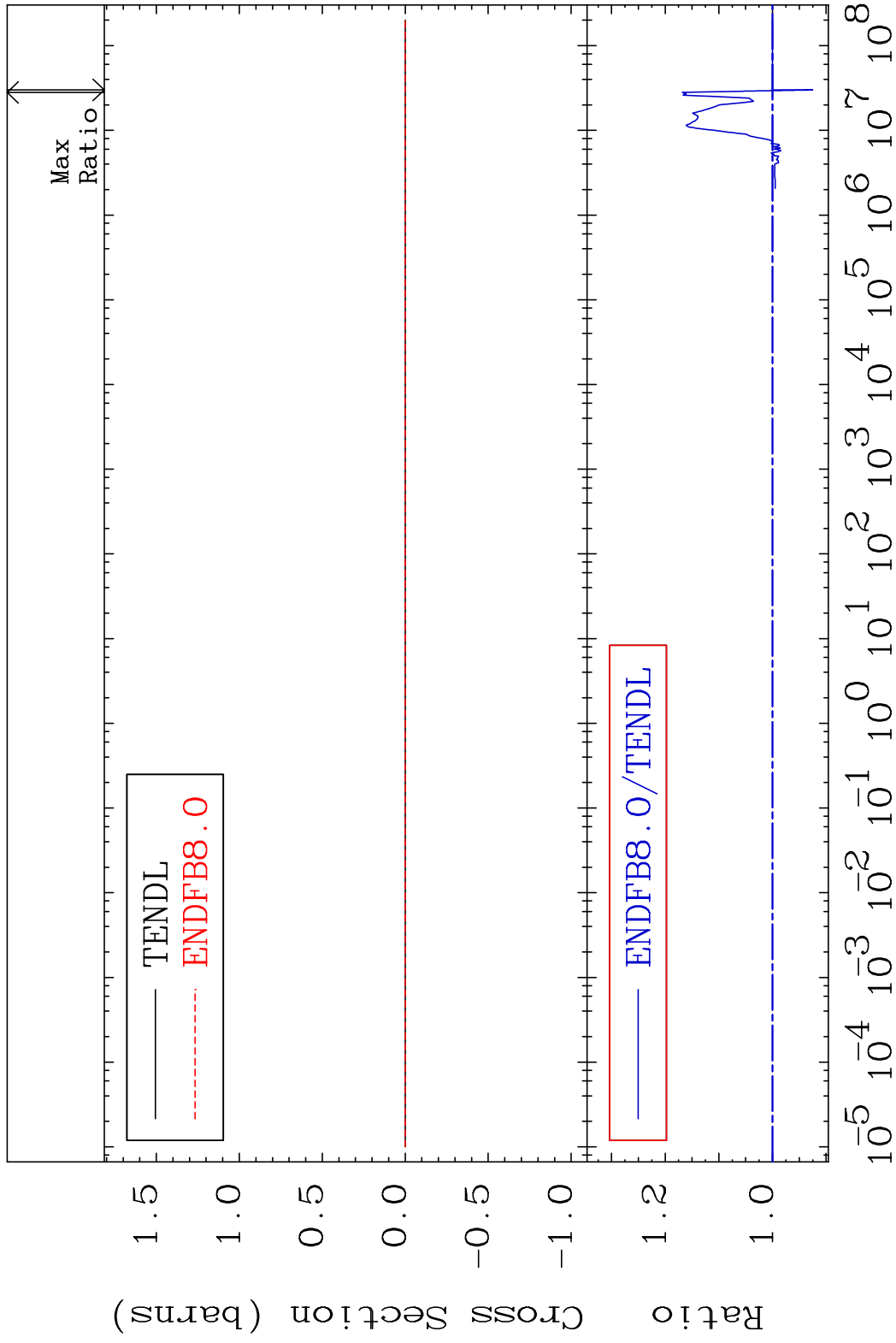


MAT 2046 Kerma inelastic (mt51-91) 20-Ca-47  
 Cross Section -7.468 To 16.80 %



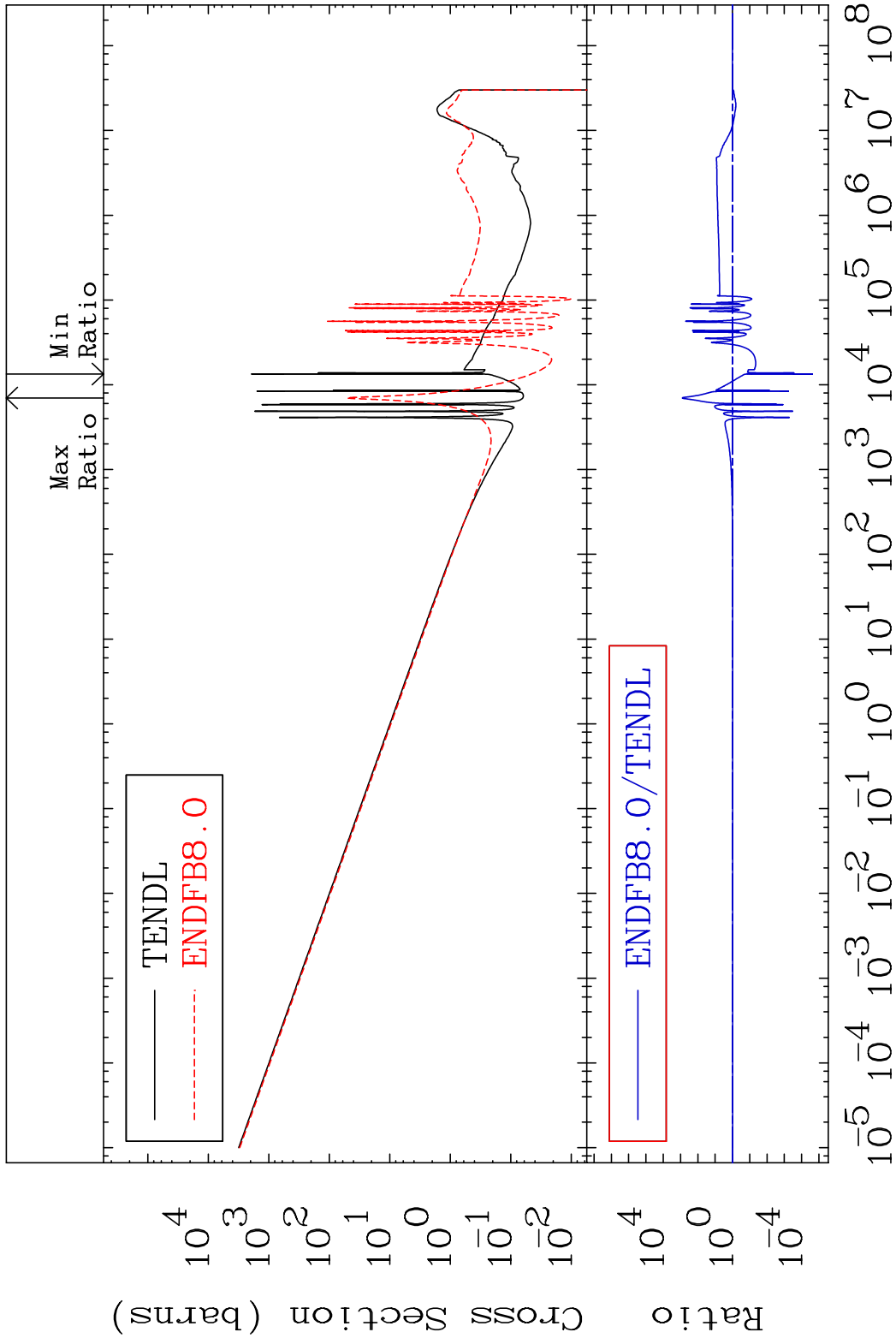
65 Incident Energy (eV) 20-Ca-47

MAT 2046 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-47  
 Cross Section -7.468 To 16.80 %



MAT 2046

Kerma capture (mt102) 20-Ca-47  
Cross Section -100.0 To 9999. %

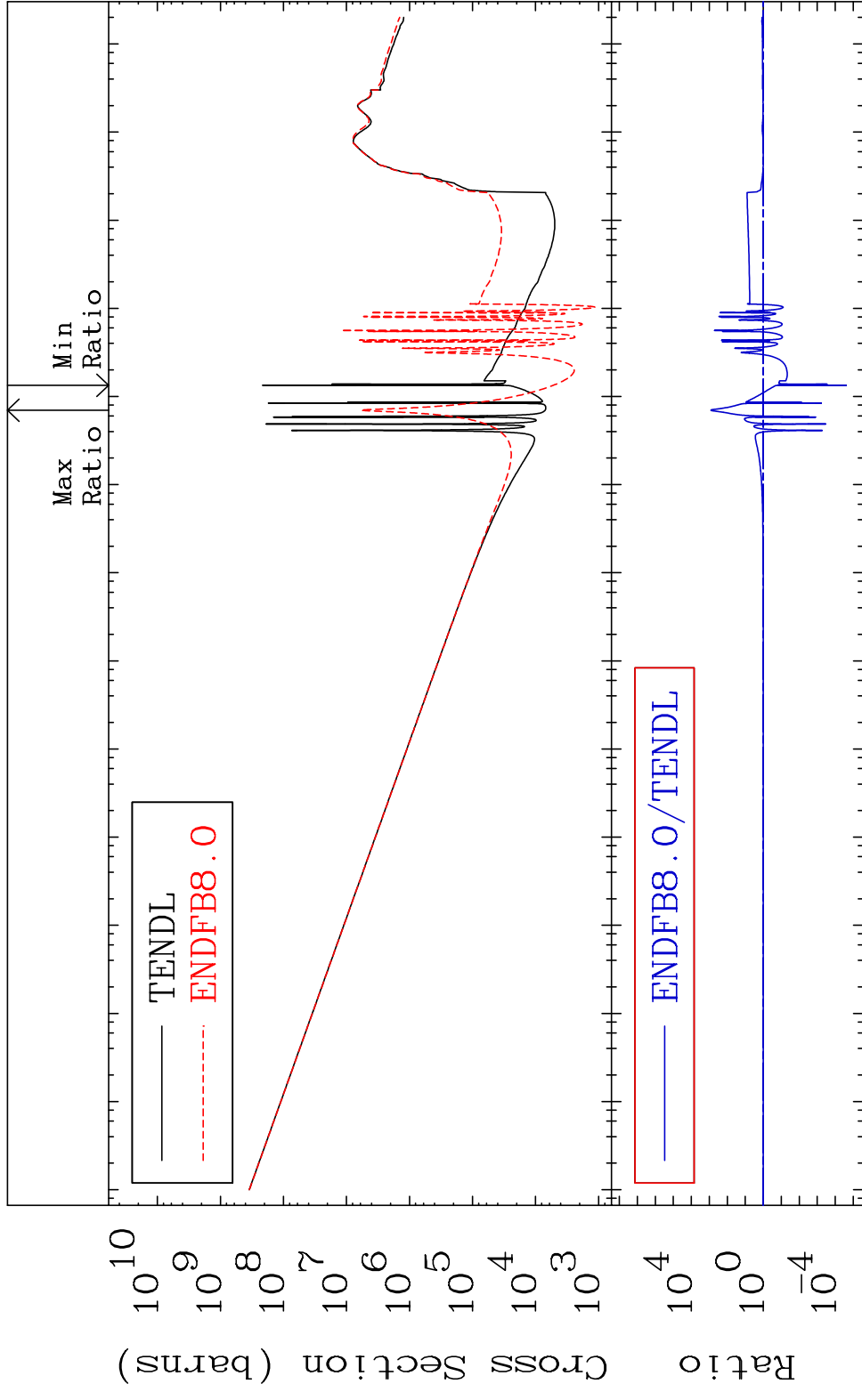


67

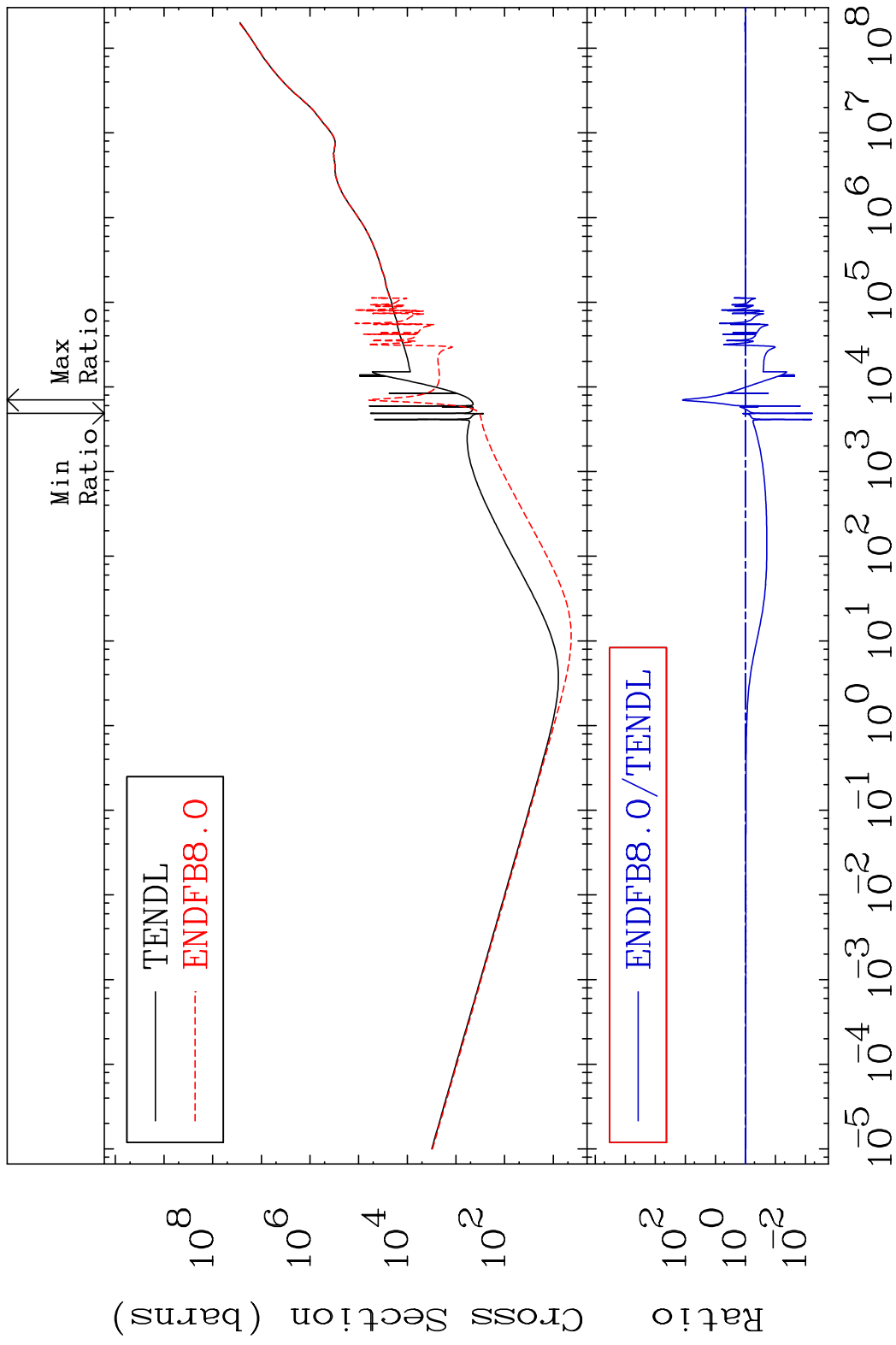
Incident Energy (eV)

20-Ca-47

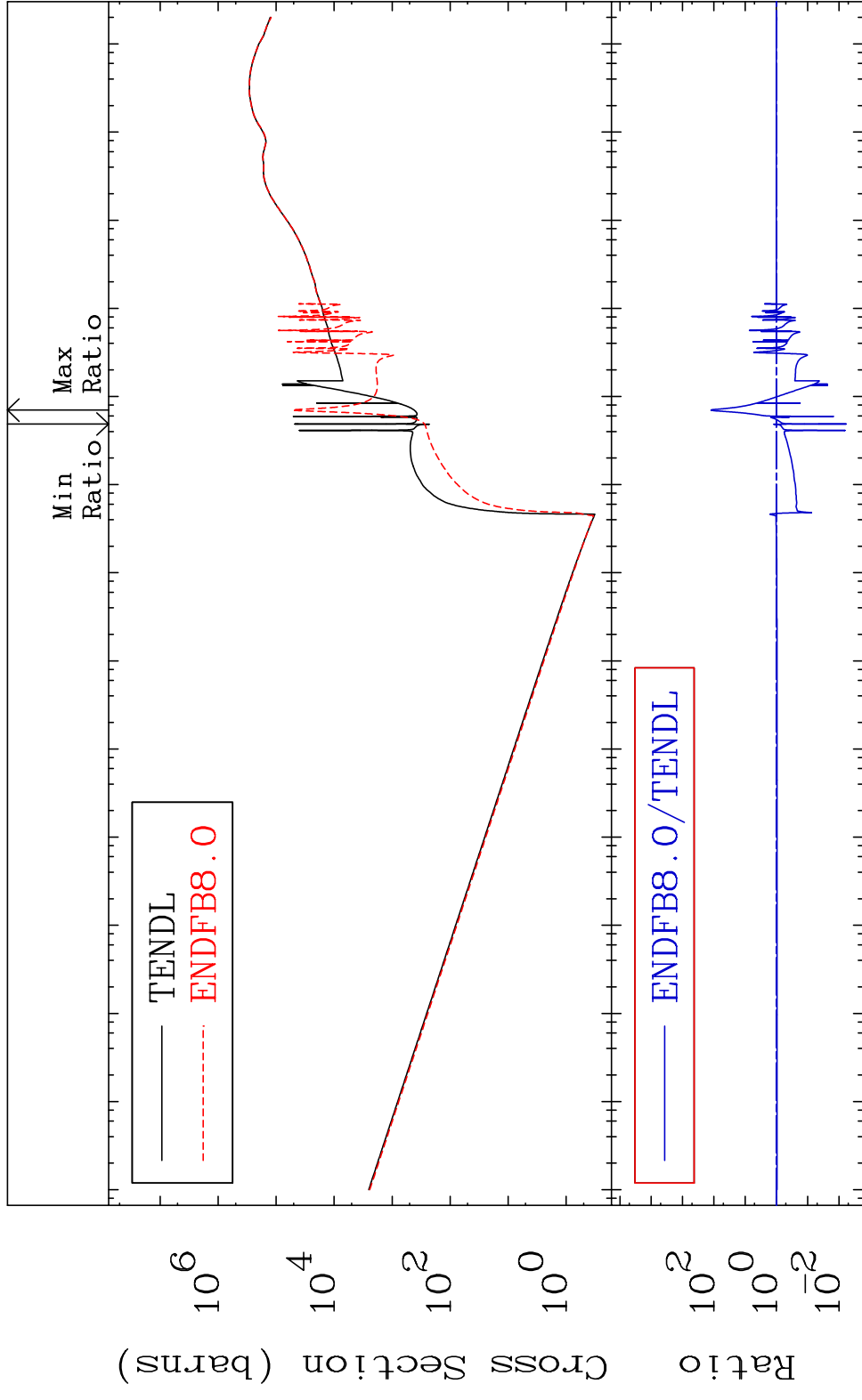
MAT 2046 Total photon (eV-barns) 20-Ca-47  
 Cross Section -100.0 To 9999. %



MAT 2046 Total kinematic kerma (high limit) 20-Ca-47  
 Cross Section -99.42 To 9999. %

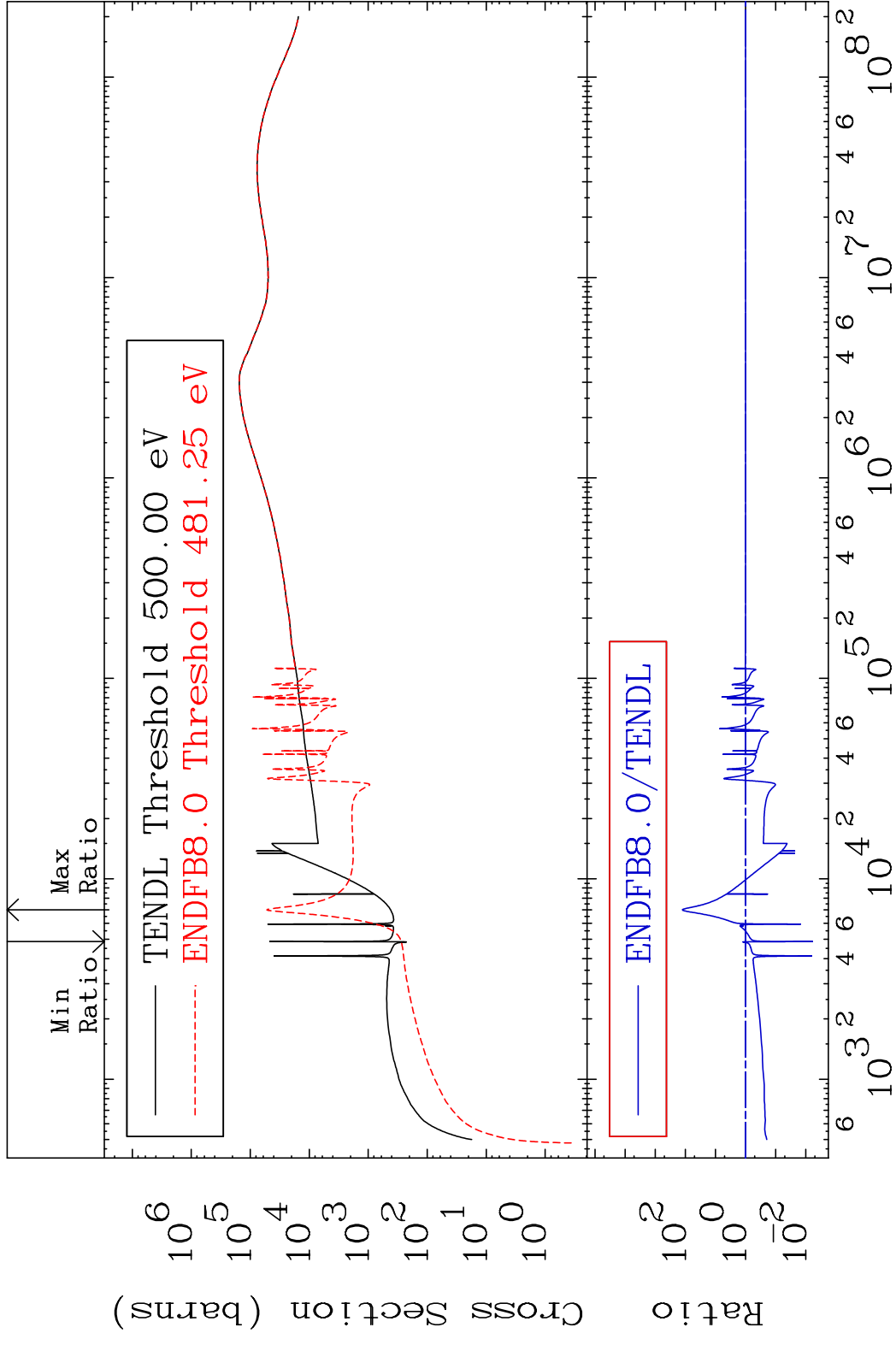


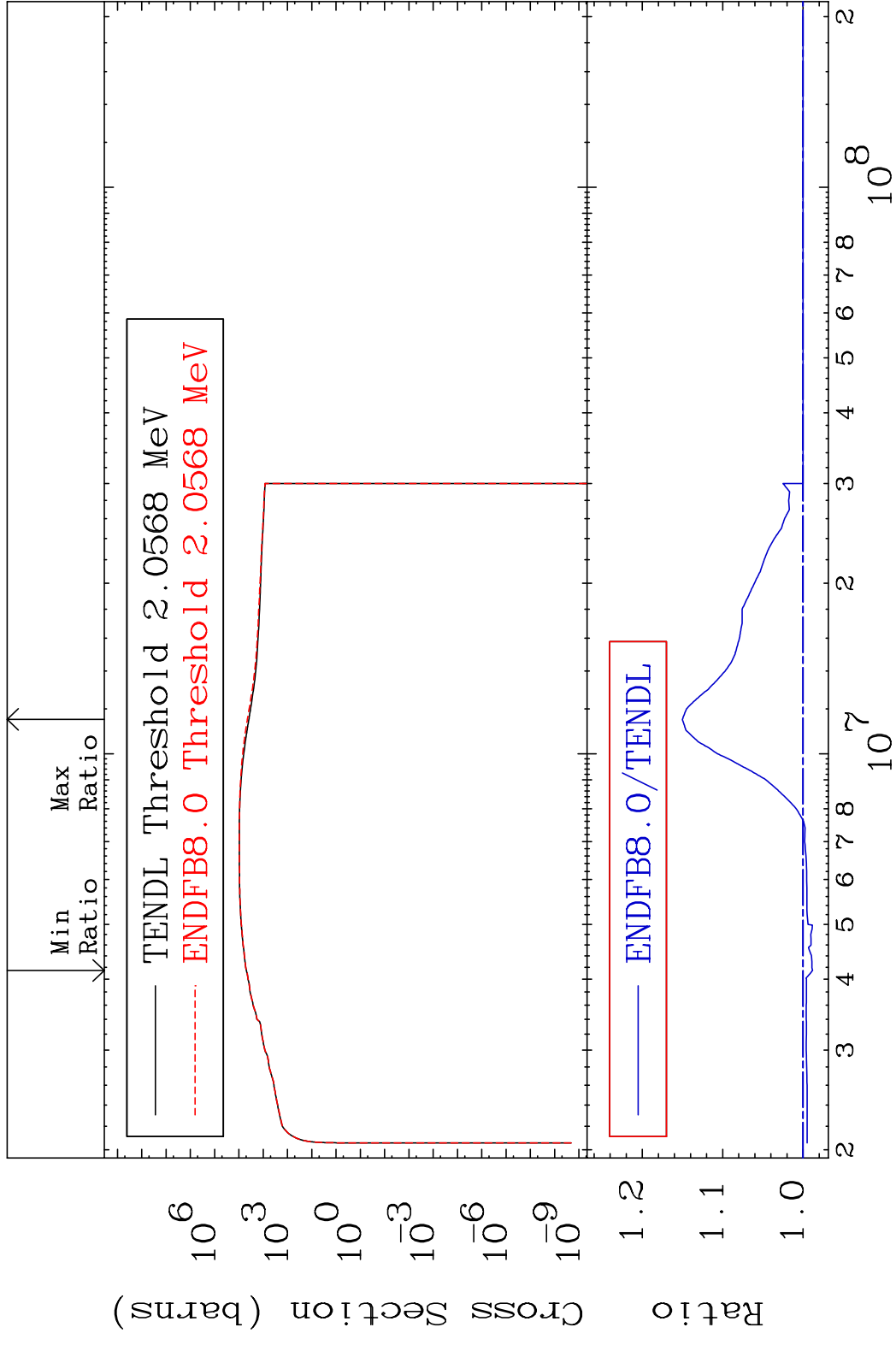
MAT 2046      Dpa total (eV-barns)      20-Ca-47  
 Cross Section      -99.42 To 9999. %



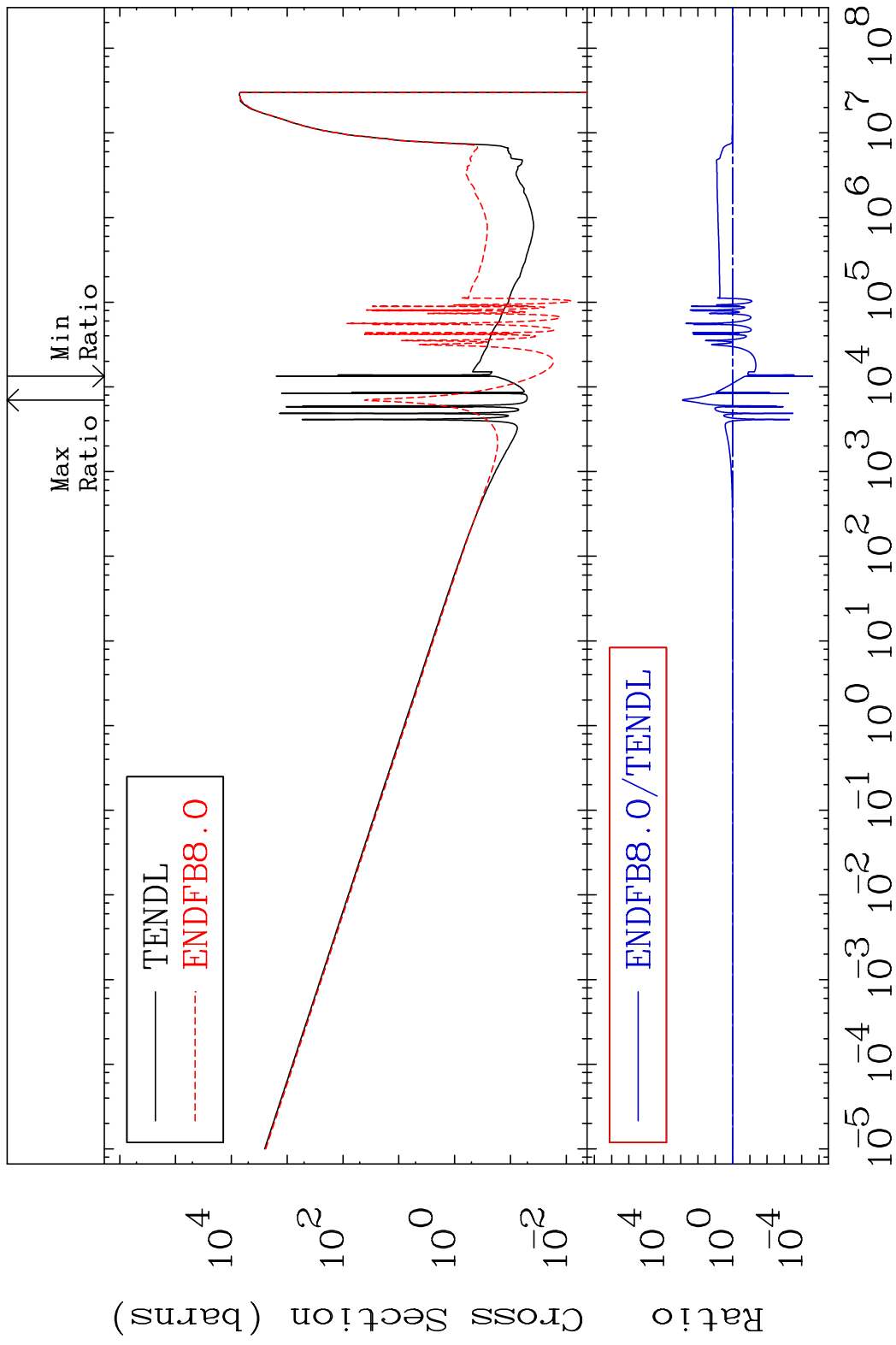
70      Incident Energy (eV)      20-Ca-47

MAT 2046 Dpa elastic (mt2) 20-Ca-47  
 Cross Section -99.40 To 9999. %





MAT 2046 Dpa disappearance (mt102 -120) 20-Ca-47  
 Cross Section -100.0 To 9999. %



73 Incident Energy (eV) 20-Ca-47