

Program Complot  
(Version 2021-1)

by

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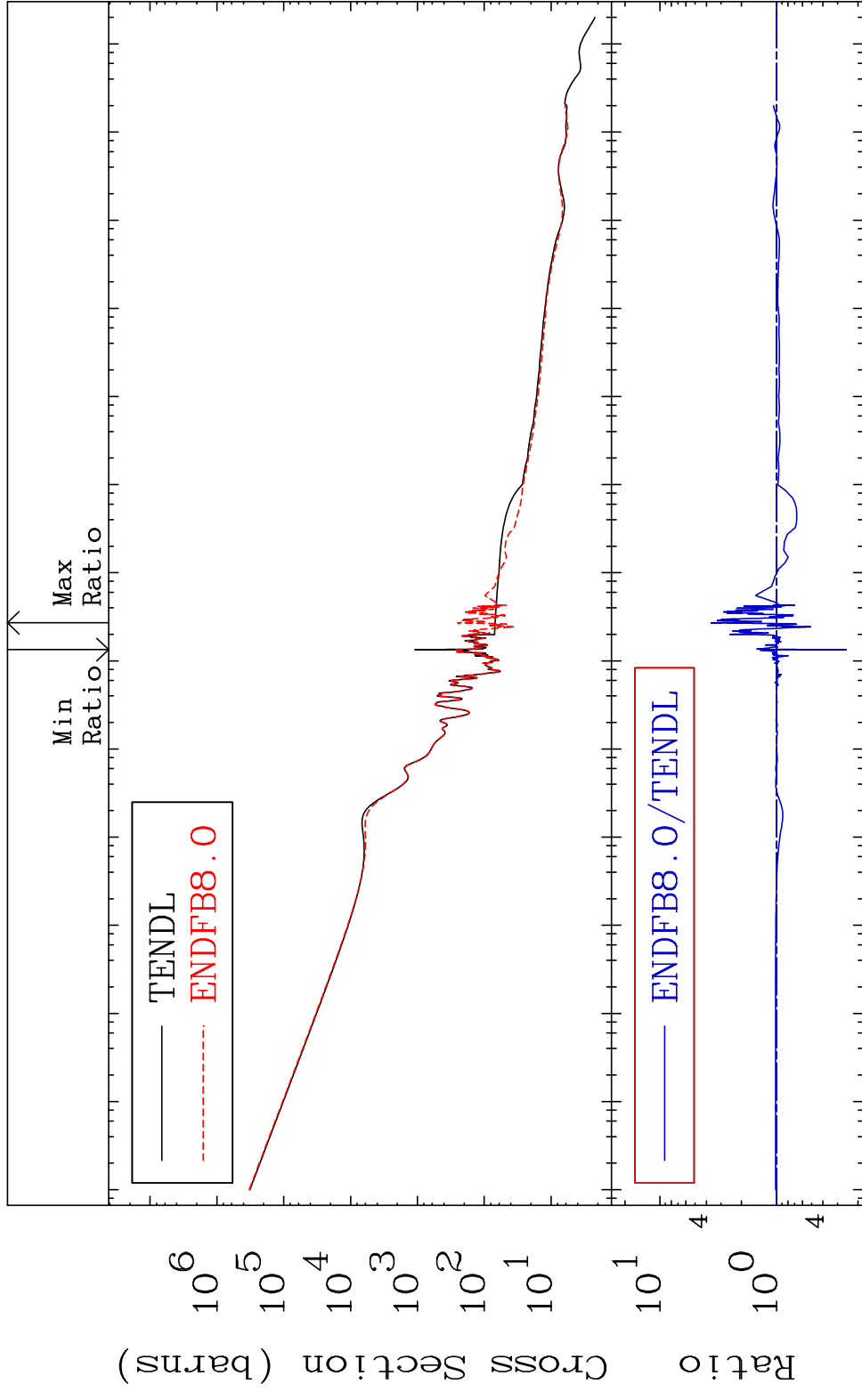
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9547

Total Cross Section -74.78 To 267.2 %

95-Am-242m



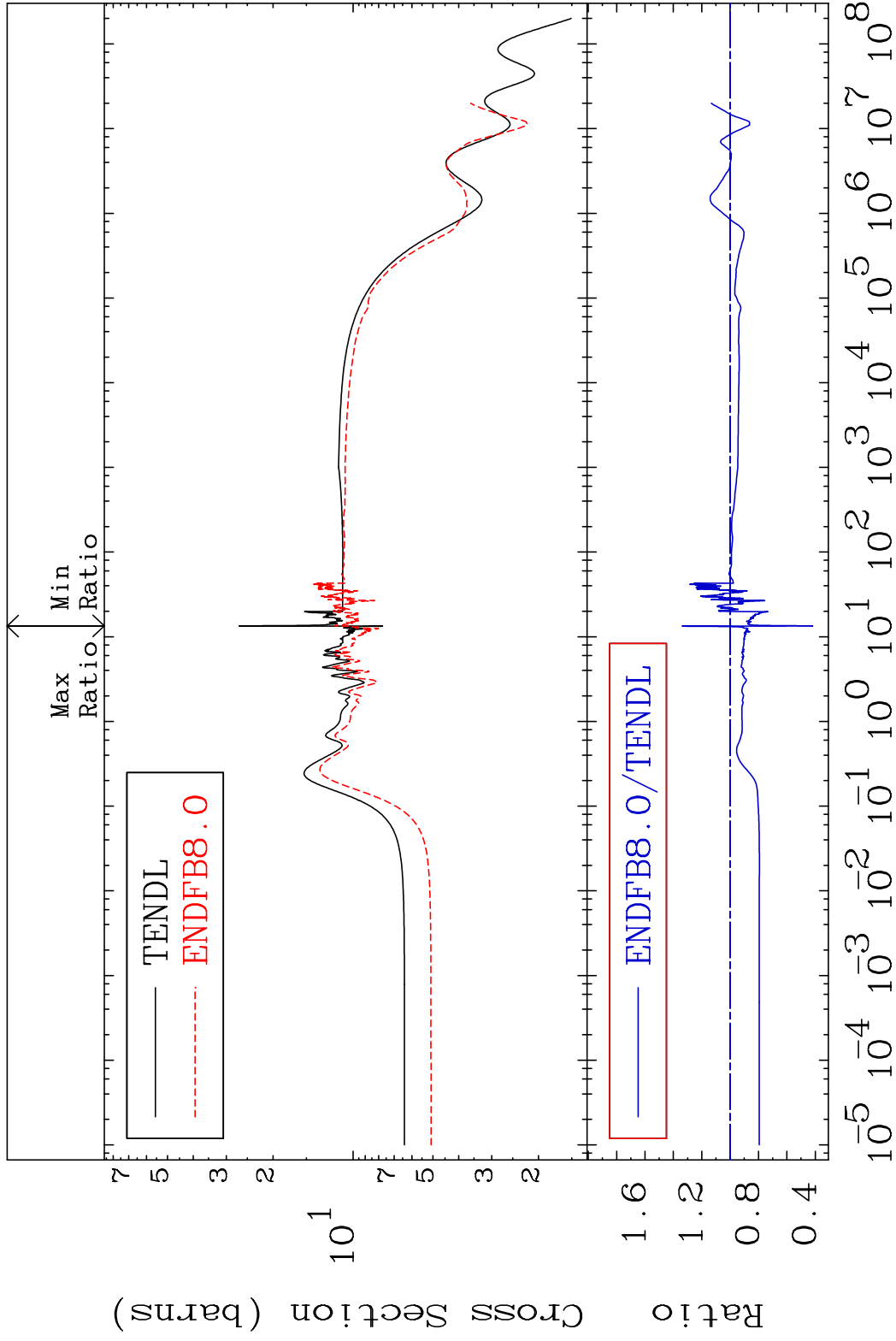
1 Incident Energy (eV) 95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -58.11 To 33.66 %



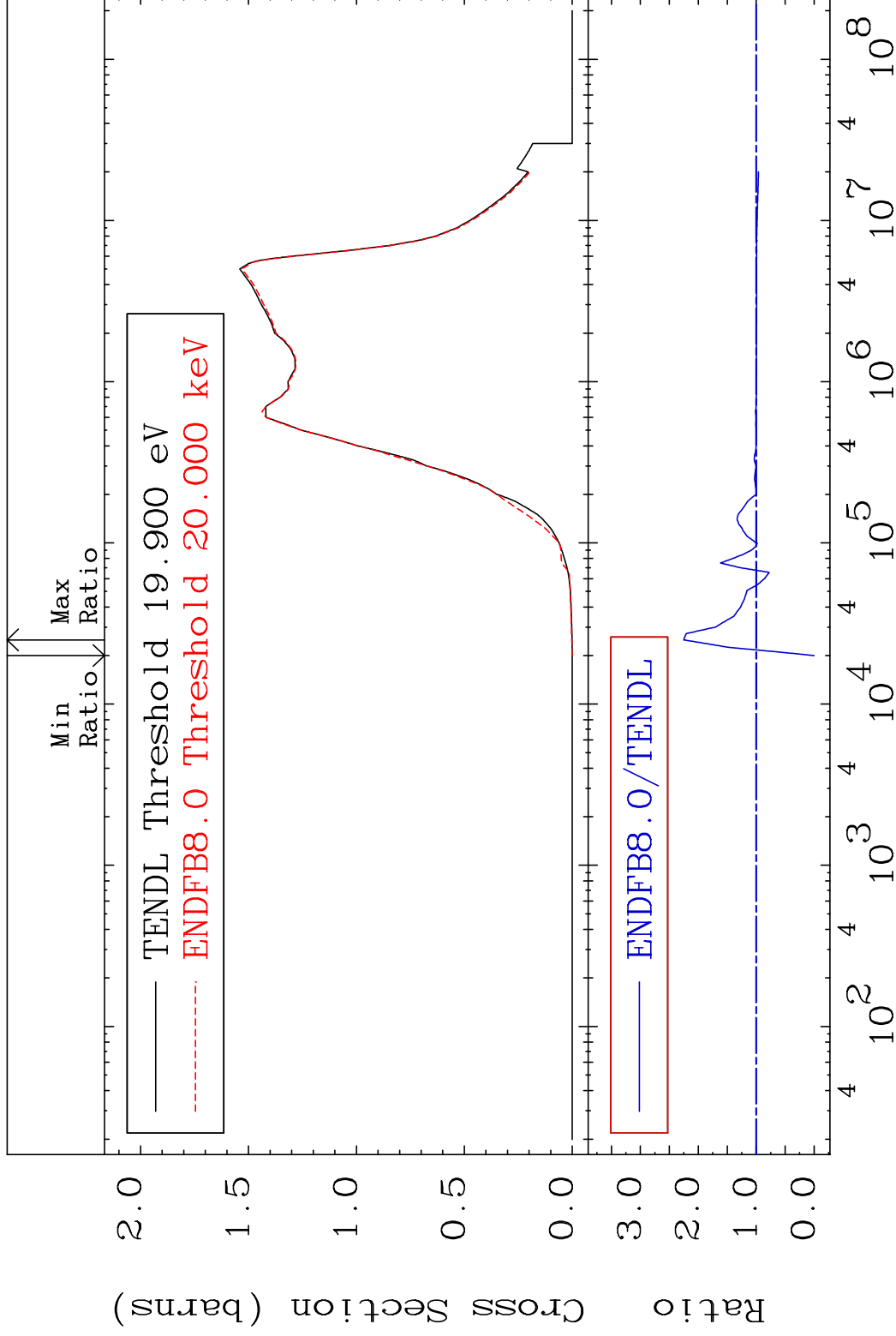
2 Incident Energy (eV) 95-Am-242m

MAT 9547

Inelastic

95-Am-242m

Cross Section -100.0 To 125.3 %

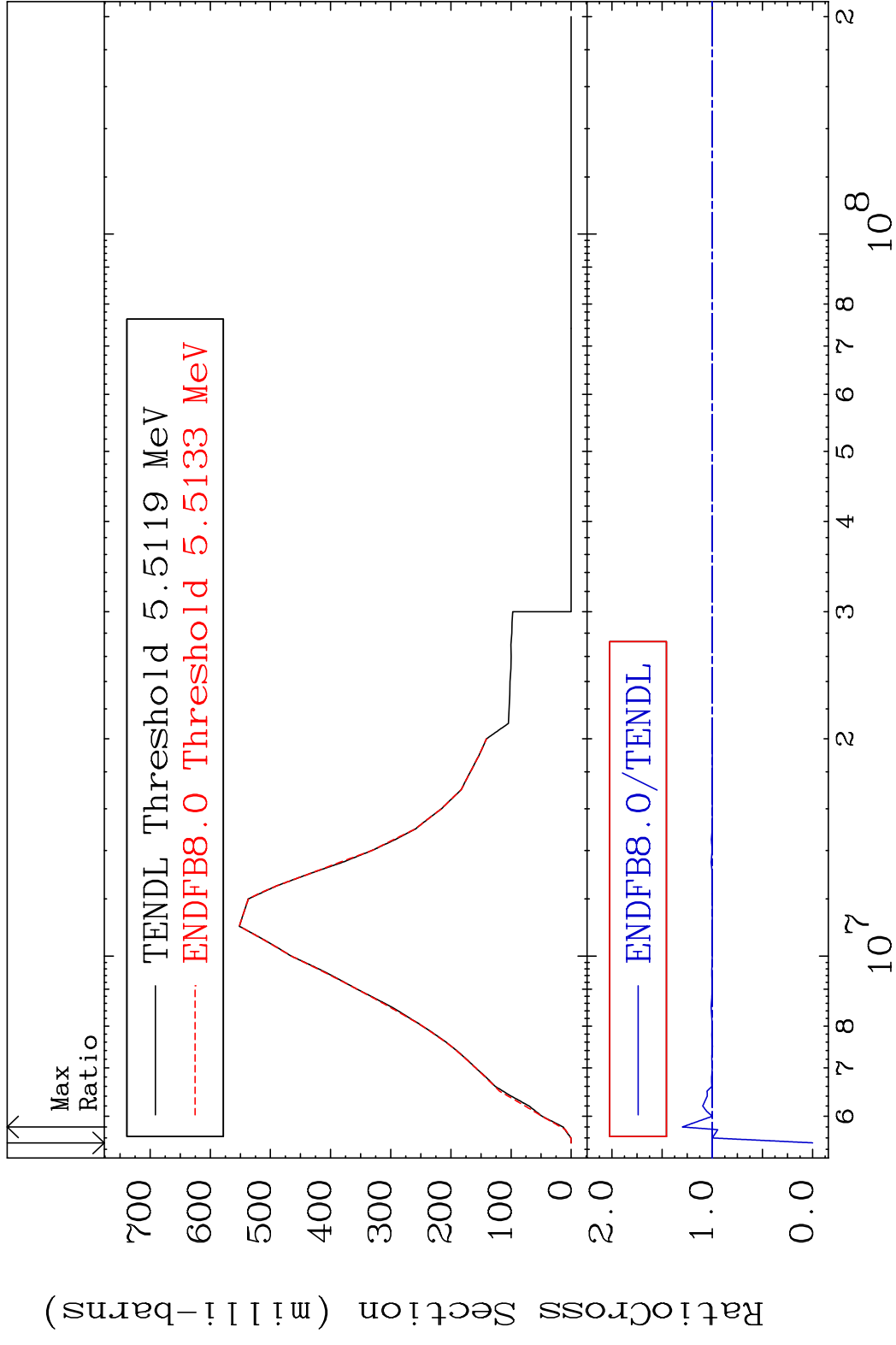


3

Incident Energy (eV)

95-Am-242m

MAT 9547 (n,2n) 95-Am-242m  
 Cross Section -100.0 To 29.83 %



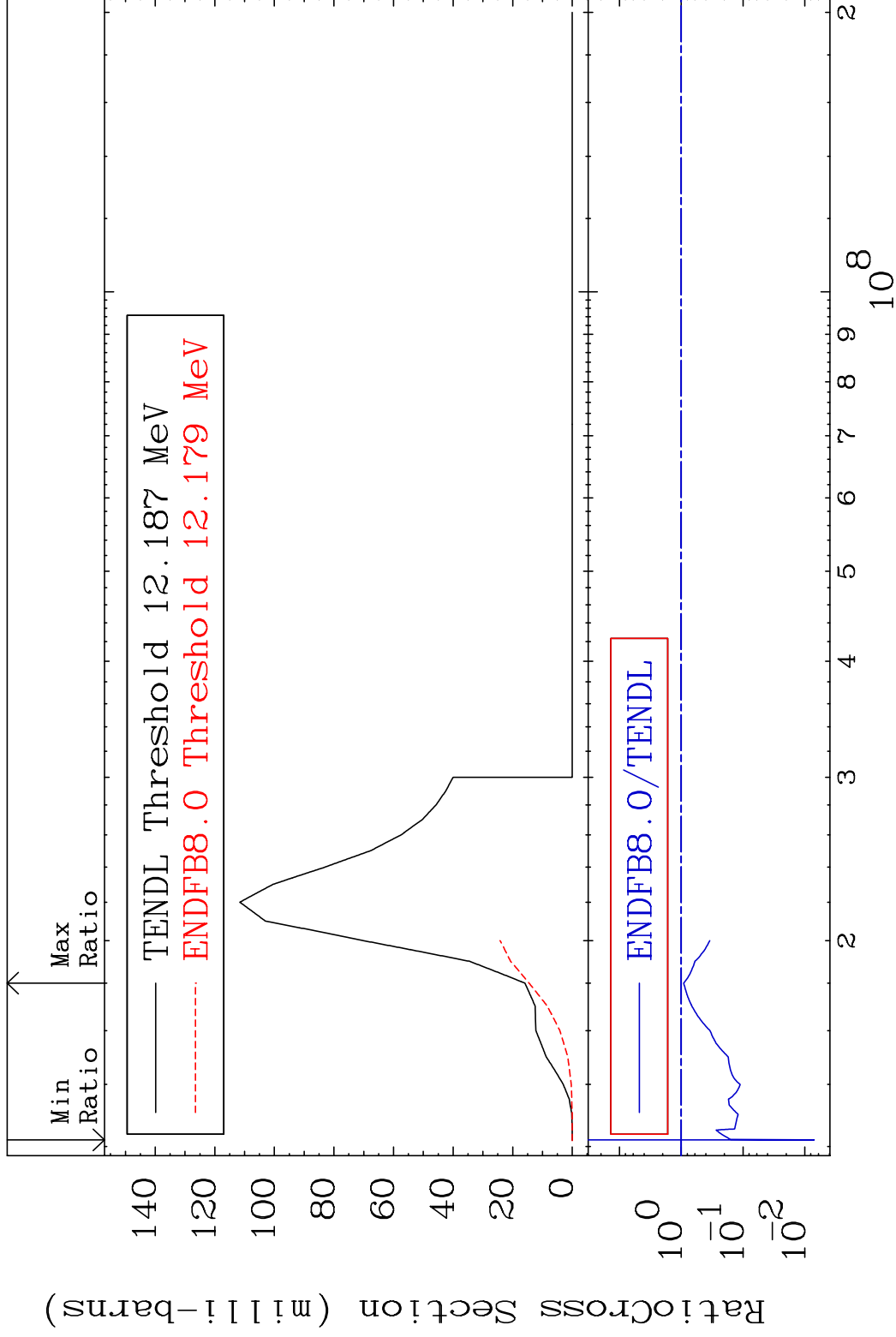
4 Incident Energy (eV) 95-Am-242m

MAT 9547

(n,3n)

95-Am-242m

Cross Section -99.29 To -8.540%



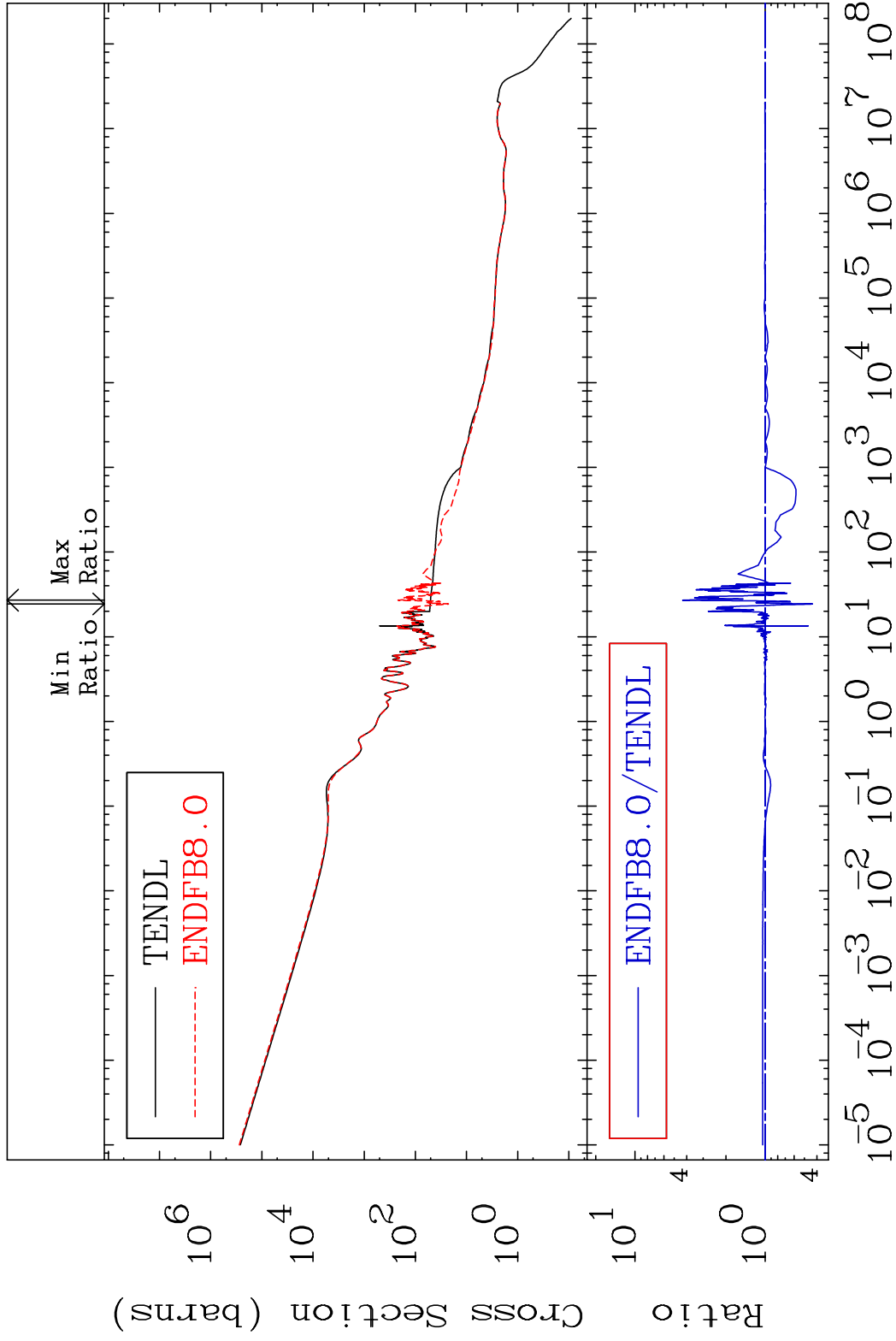
MAT 9547

Fission

95-Am-242m

Cross Section

-56.75 To 332.5 %

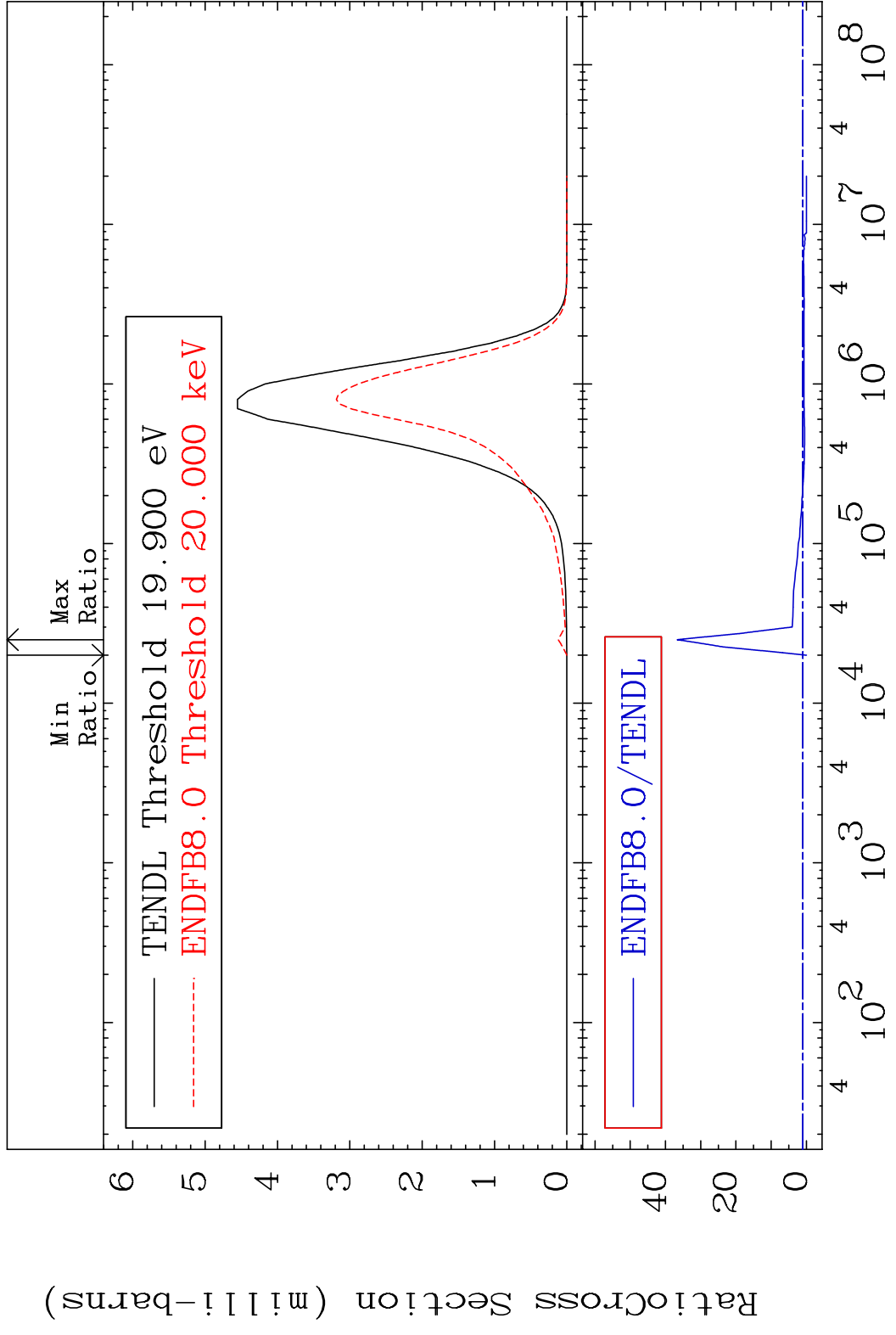


6

Incident Energy (eV)

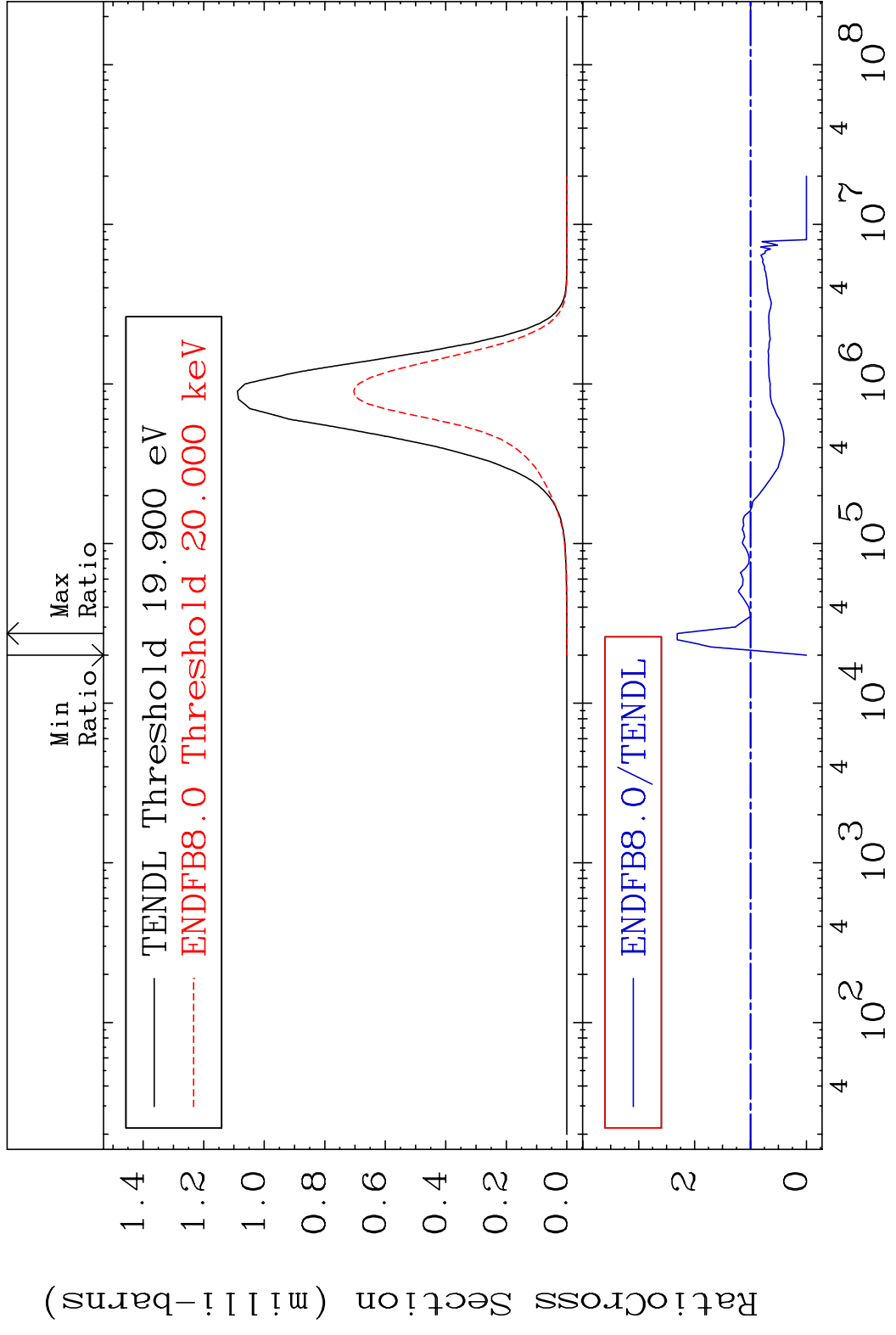
95-Am-242m

MAT 9547 MT= 51 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 3568. %



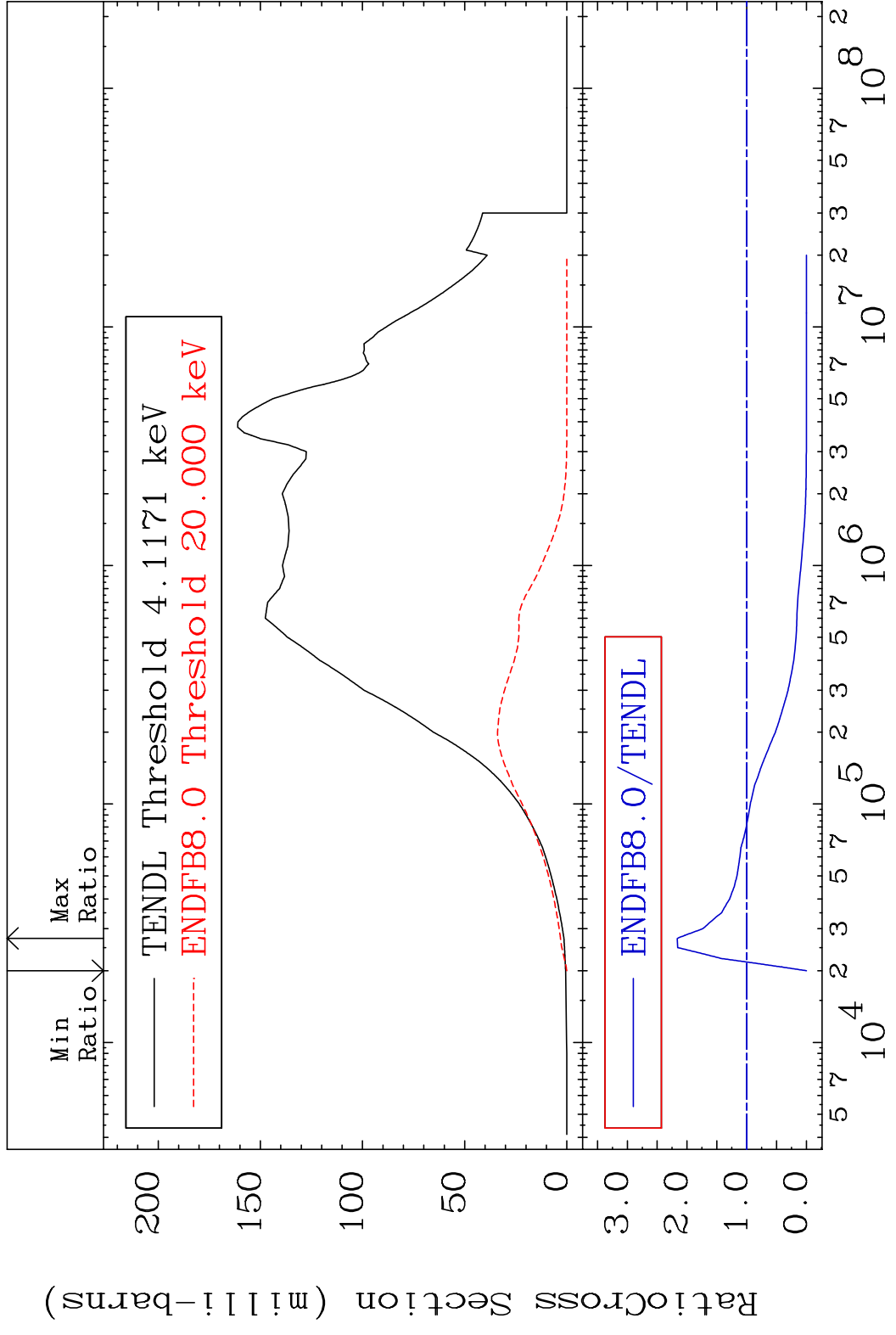


MAT 9547 MT= 52 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 131.1 %

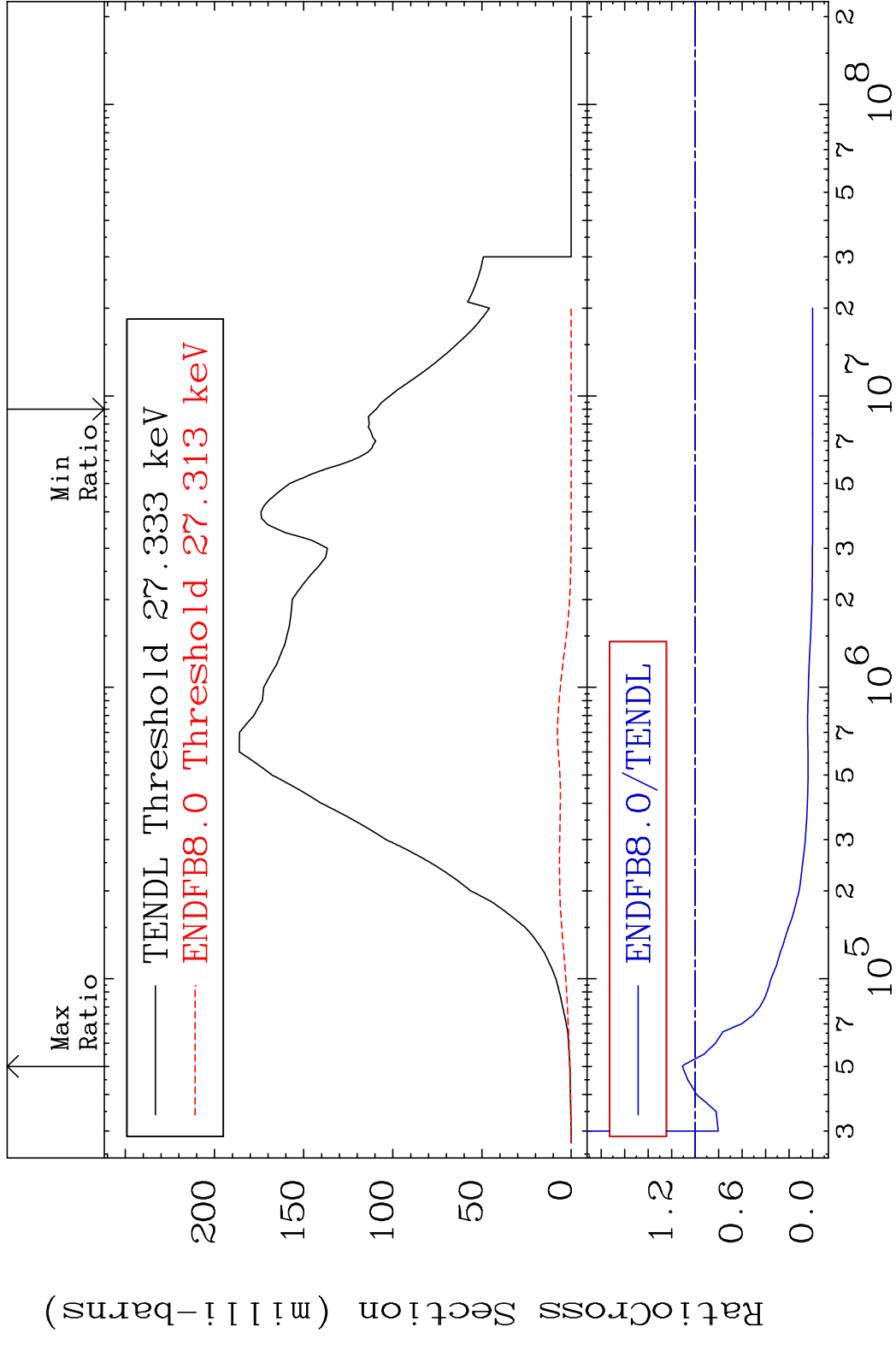


8 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 53 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 116.5 %

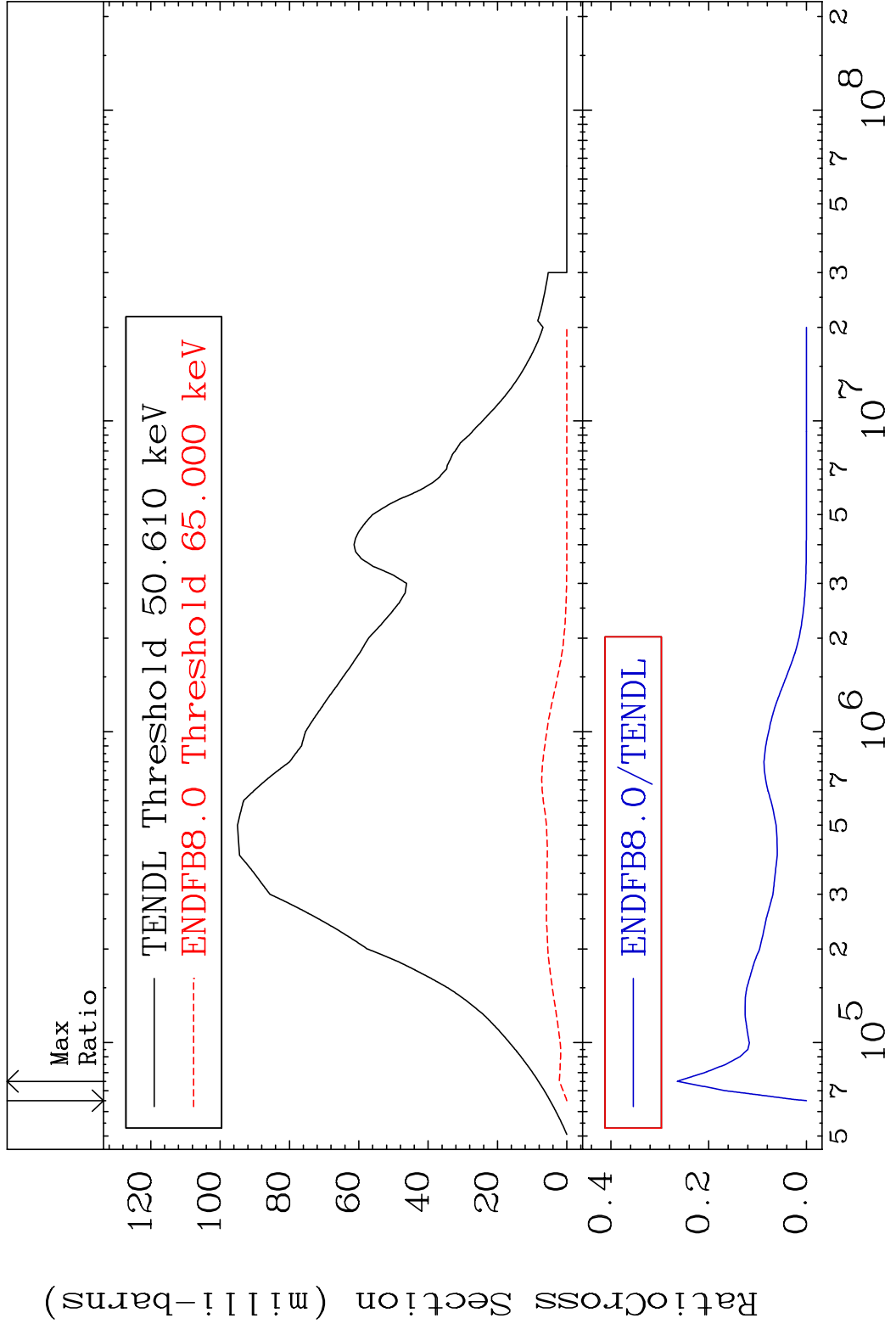


MAT 9547 MT= 54 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 10.88 %

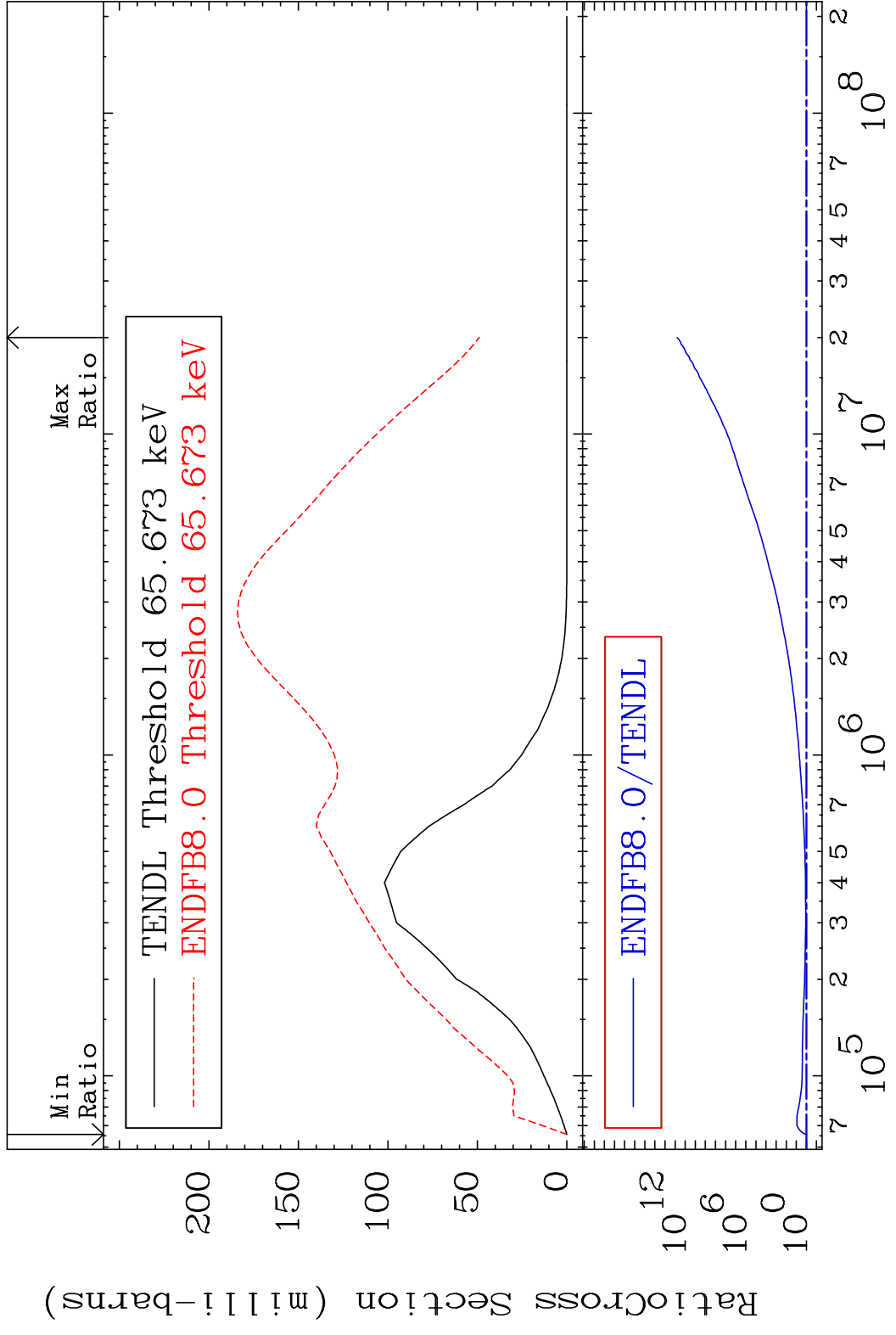


10 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 55 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To -73.55%

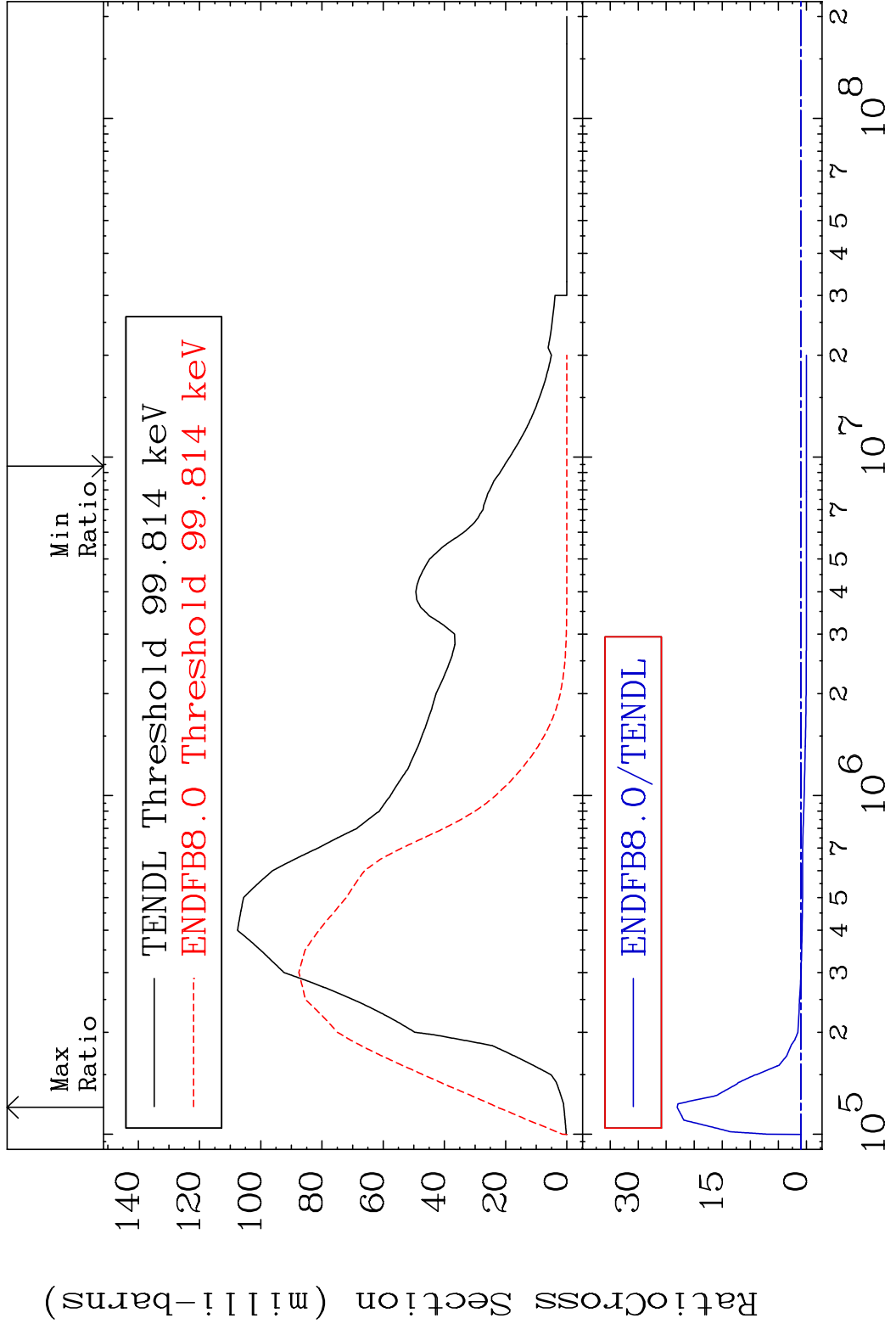


MAT 9547 MT= 56 (n,n') Level 95-Am-242m  
 Cross Section 0.000 To 9999. %



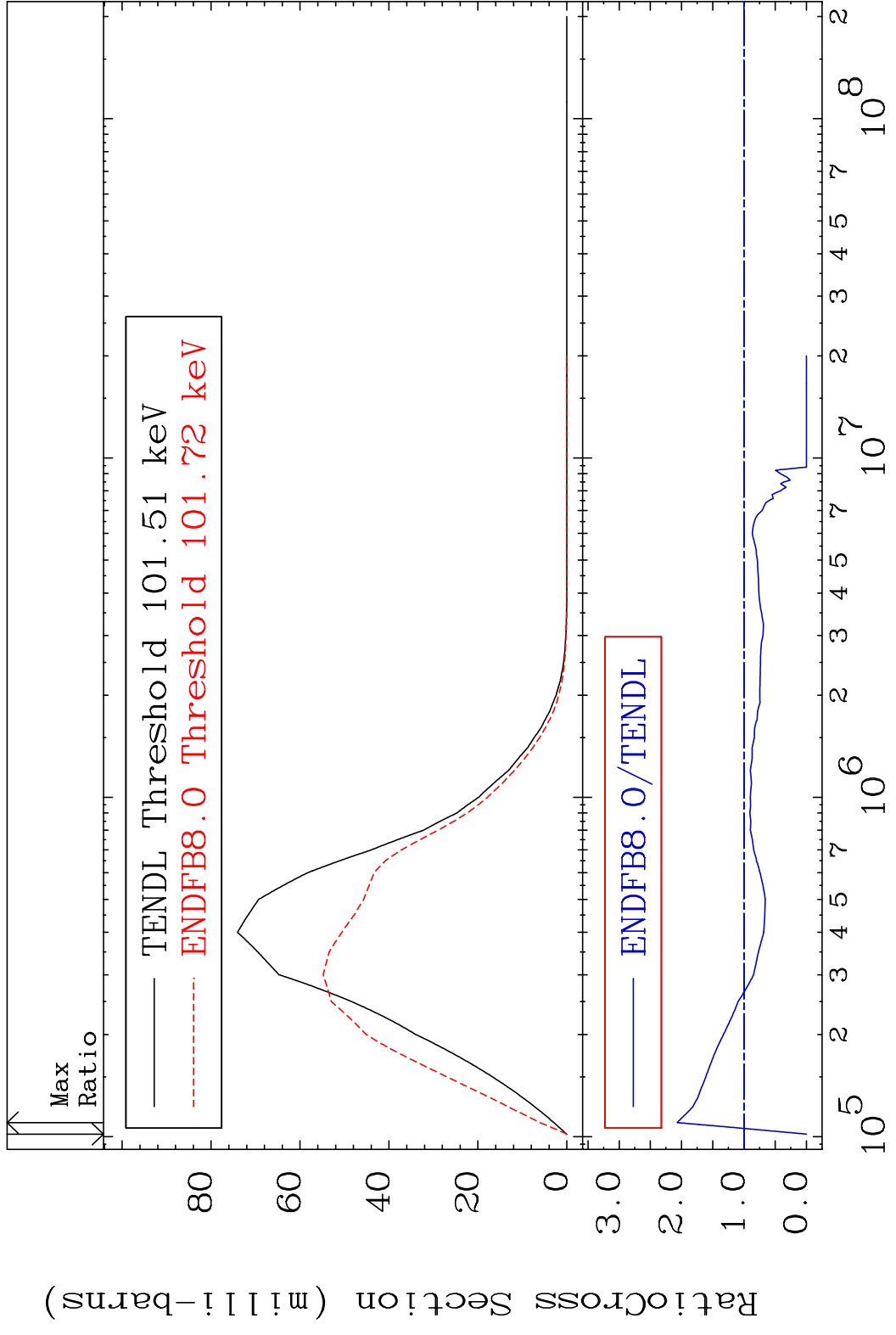
12 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 2204. %



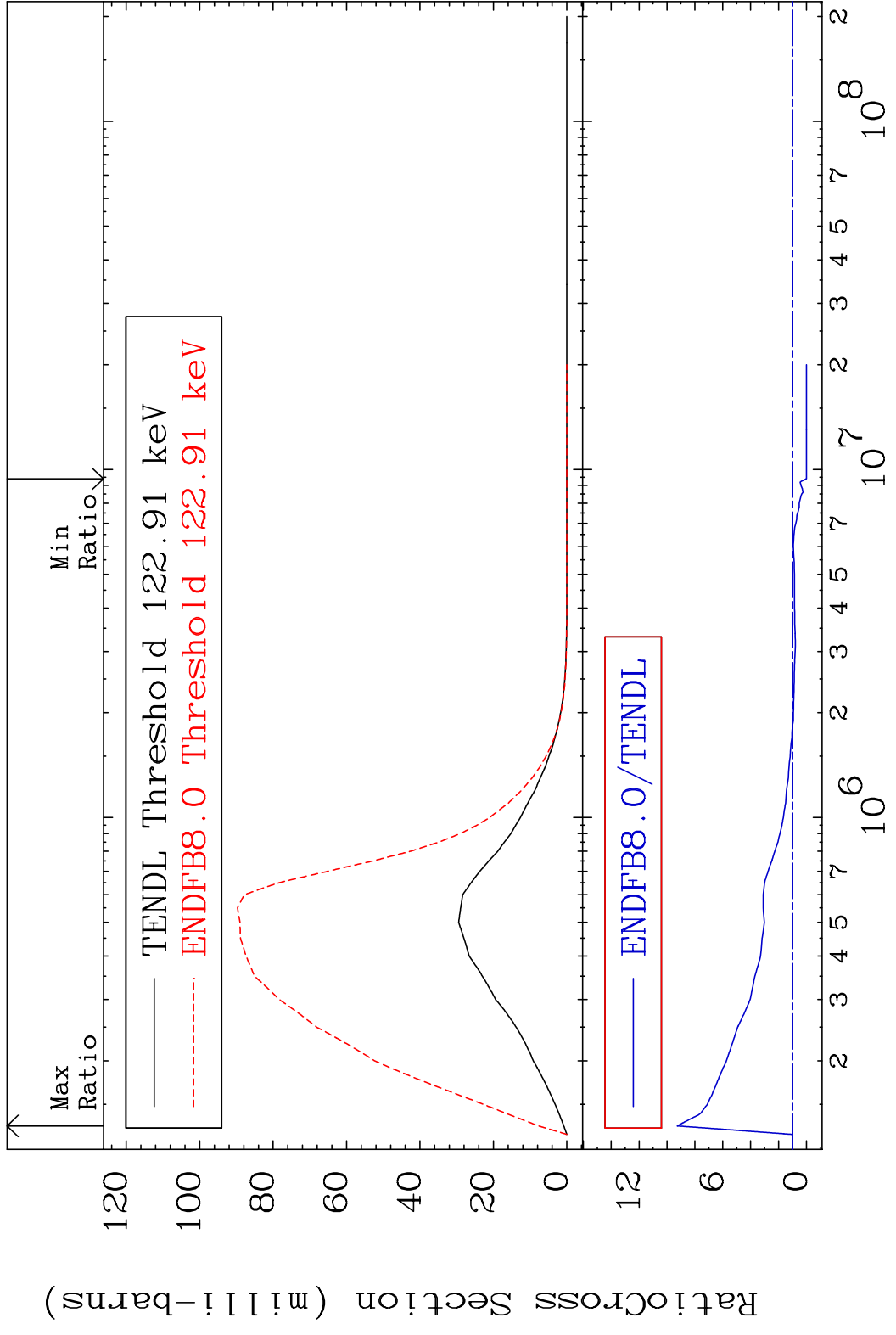
13 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 58 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 107.0 %



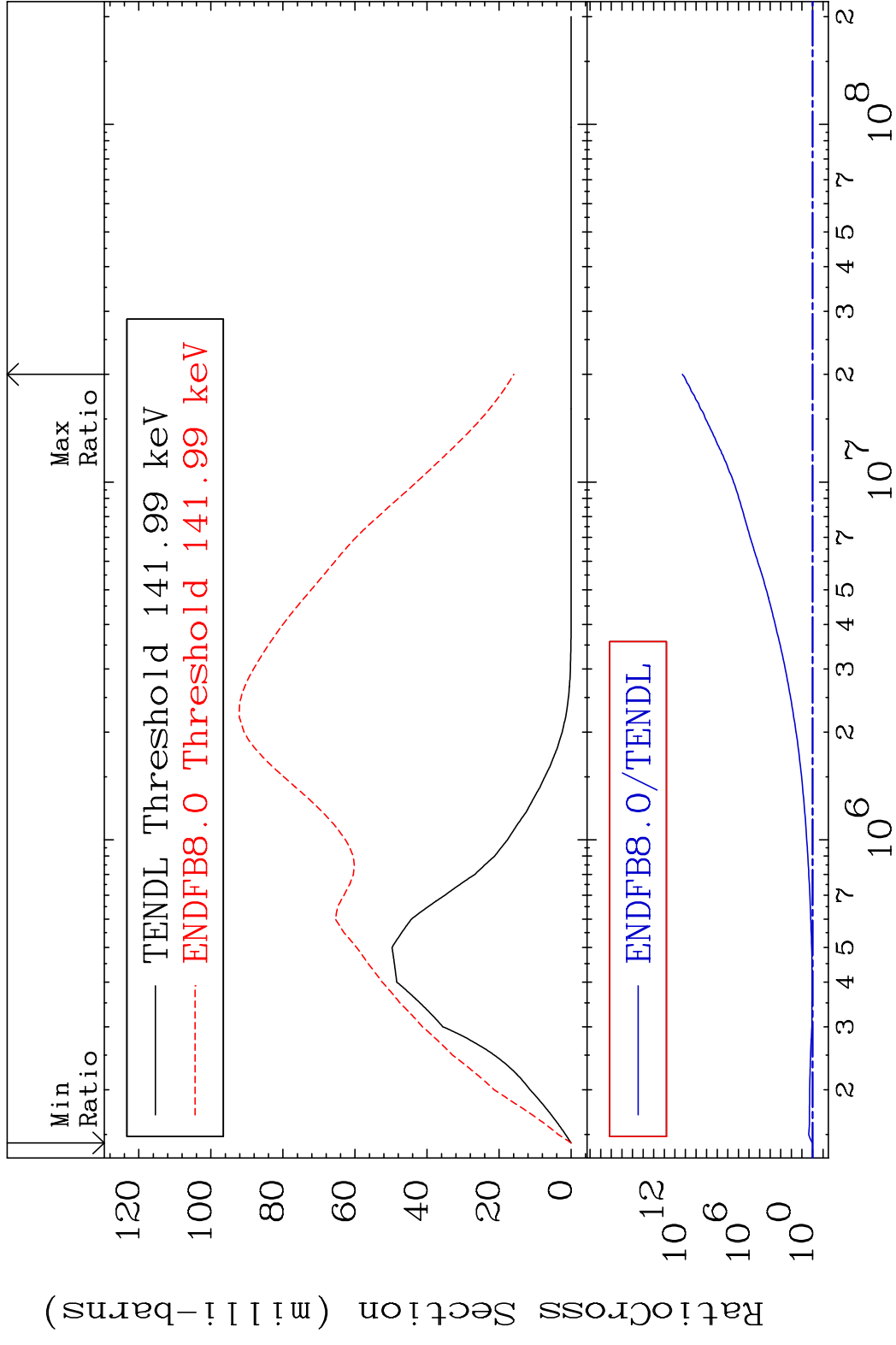
14 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 59 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 826.8 %

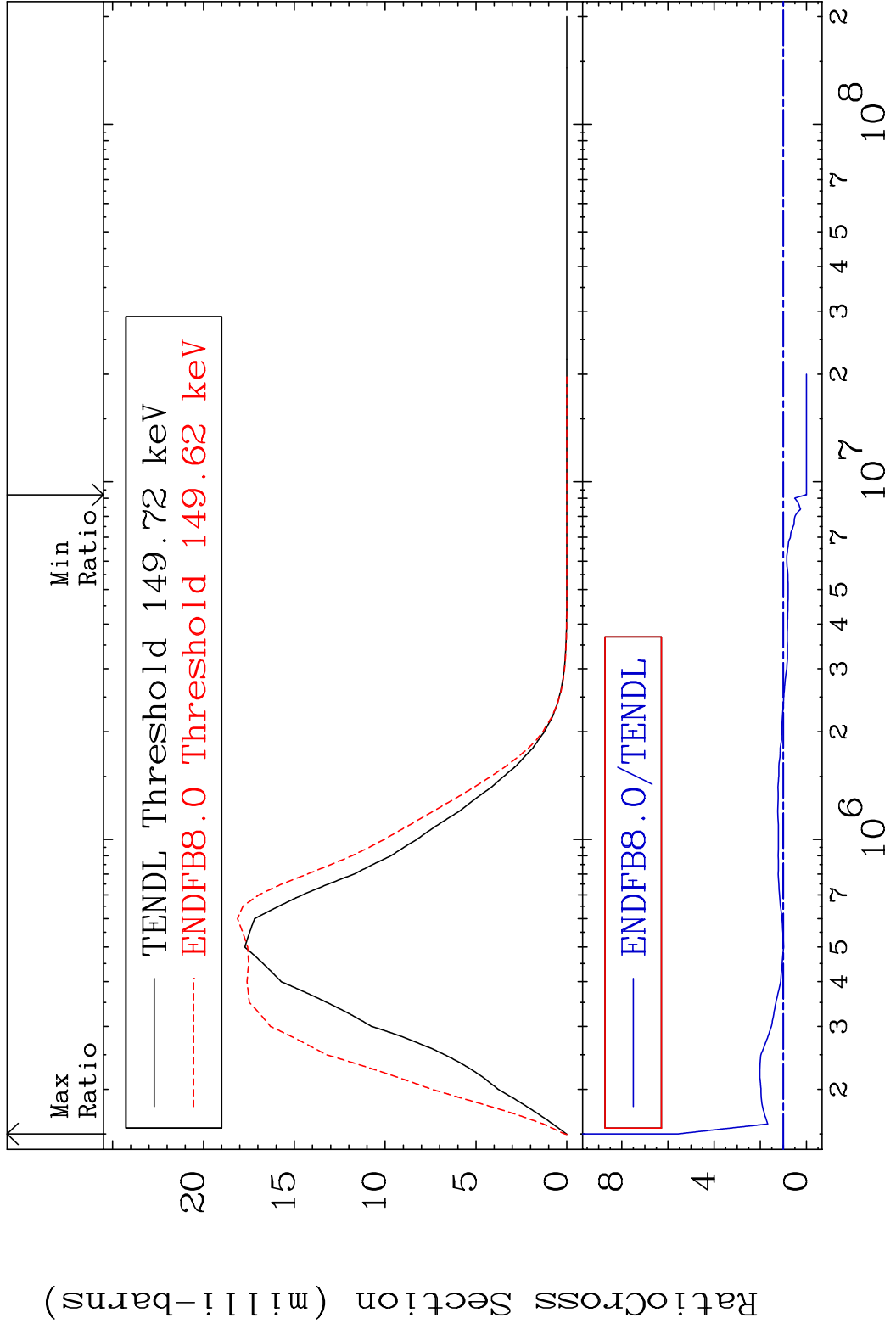




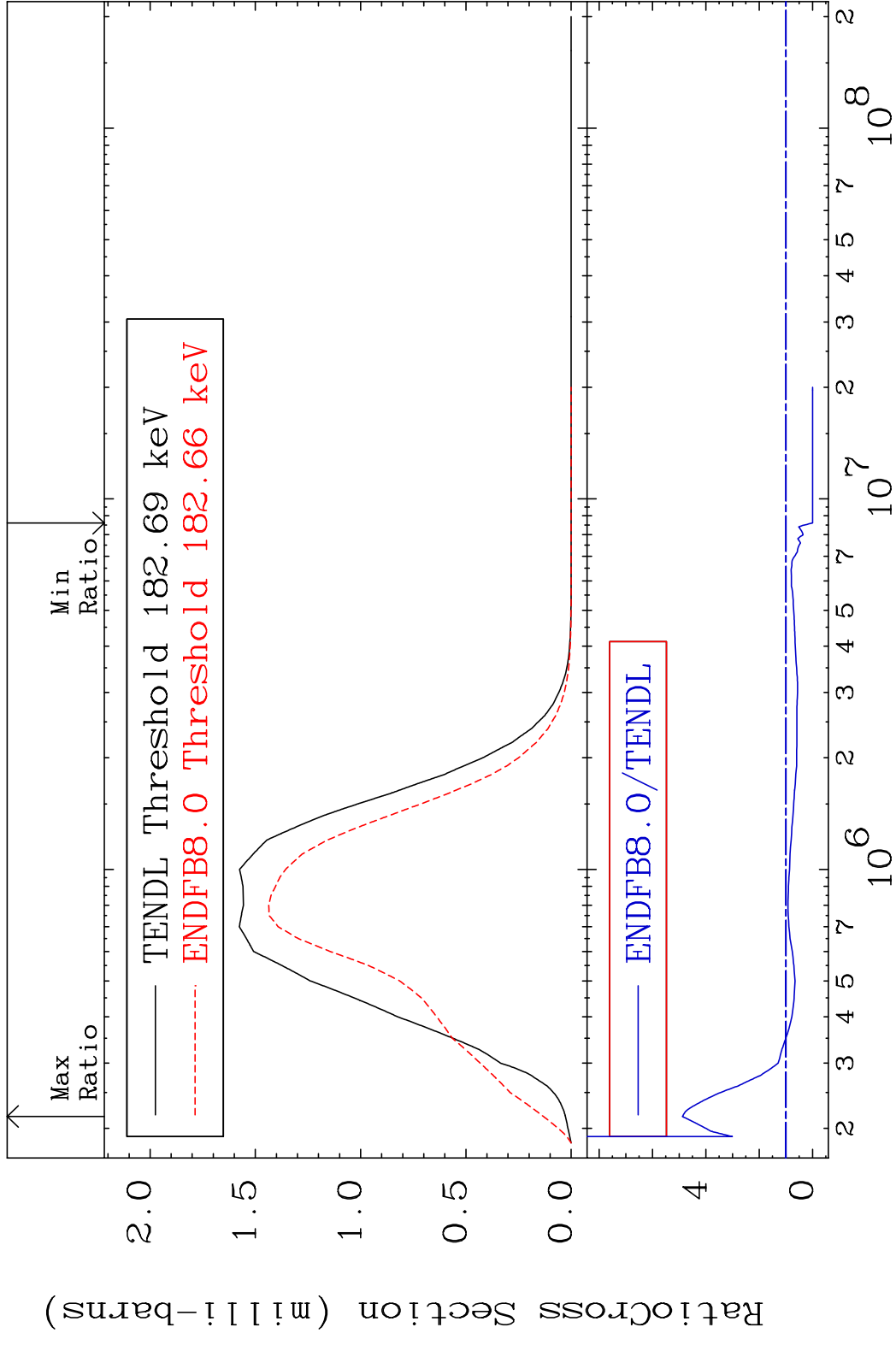
MAT 9547 MT= 60 (n, n') Level 95-Am-242m  
 Cross Section 0.000 To 9999. %



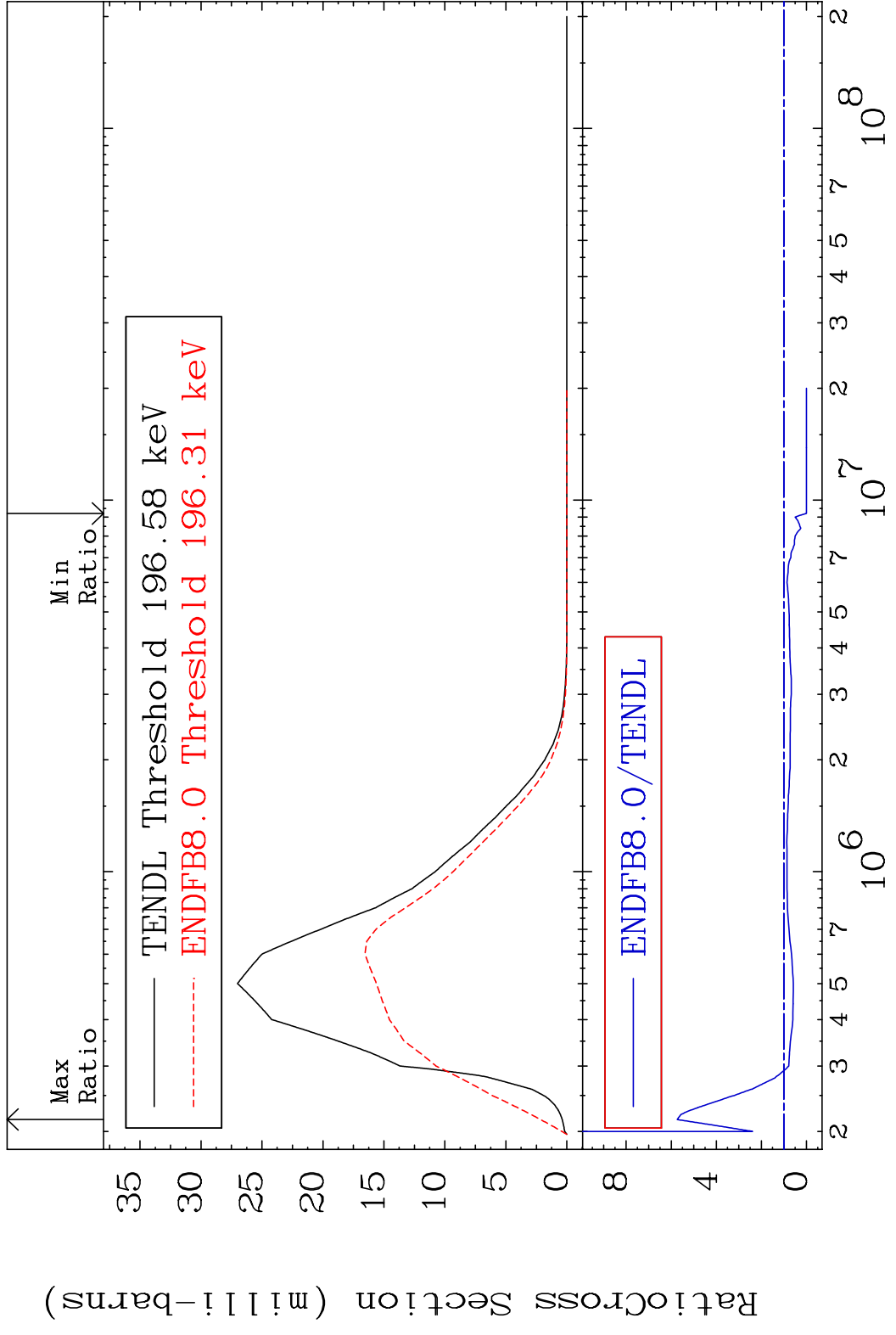
MAT 9547 MT= 61 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 459.8 %



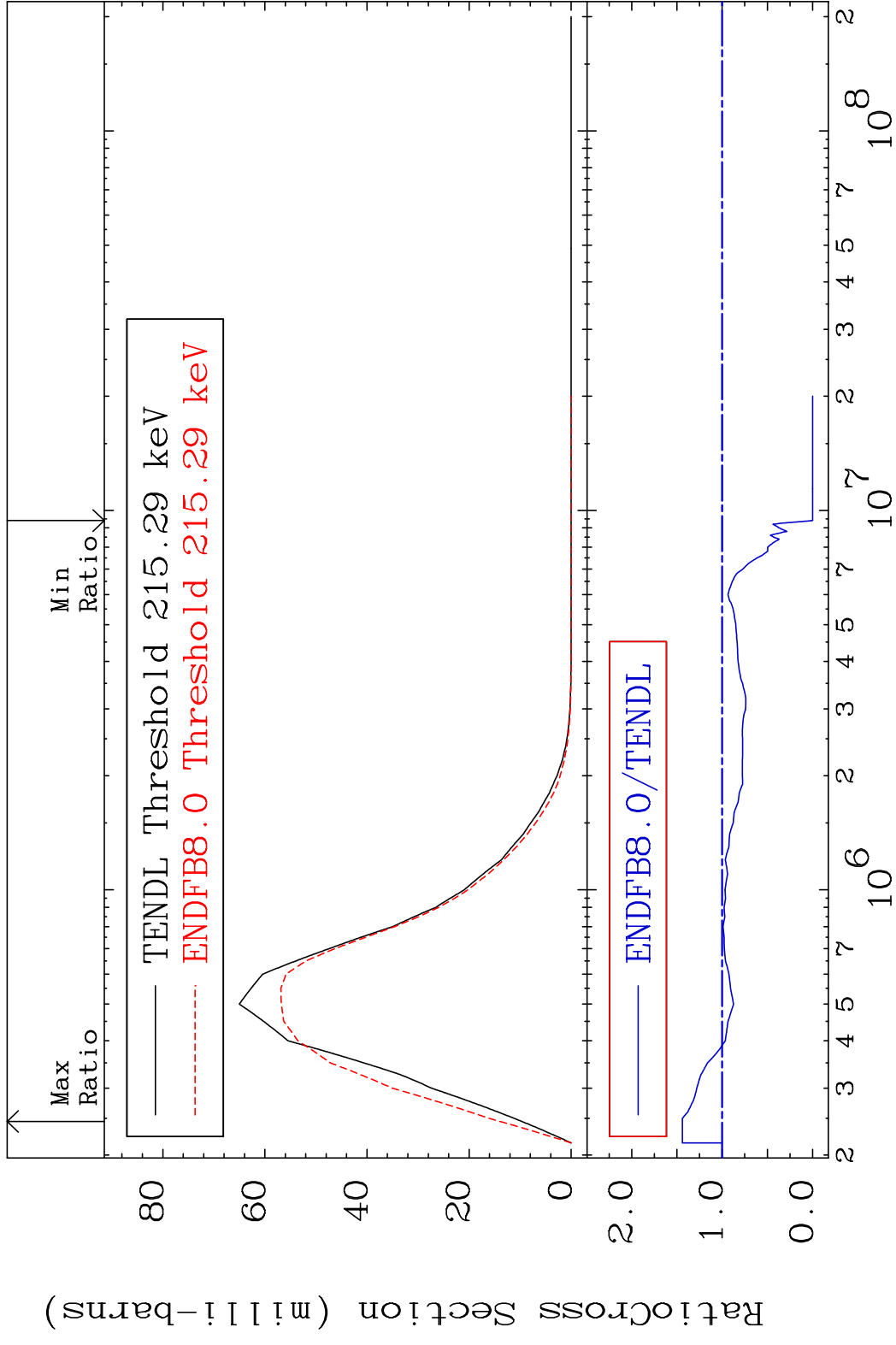
MAT 9547 MT= 62 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 387.9 %



MAT 9547 MT= 63 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 473.6 %

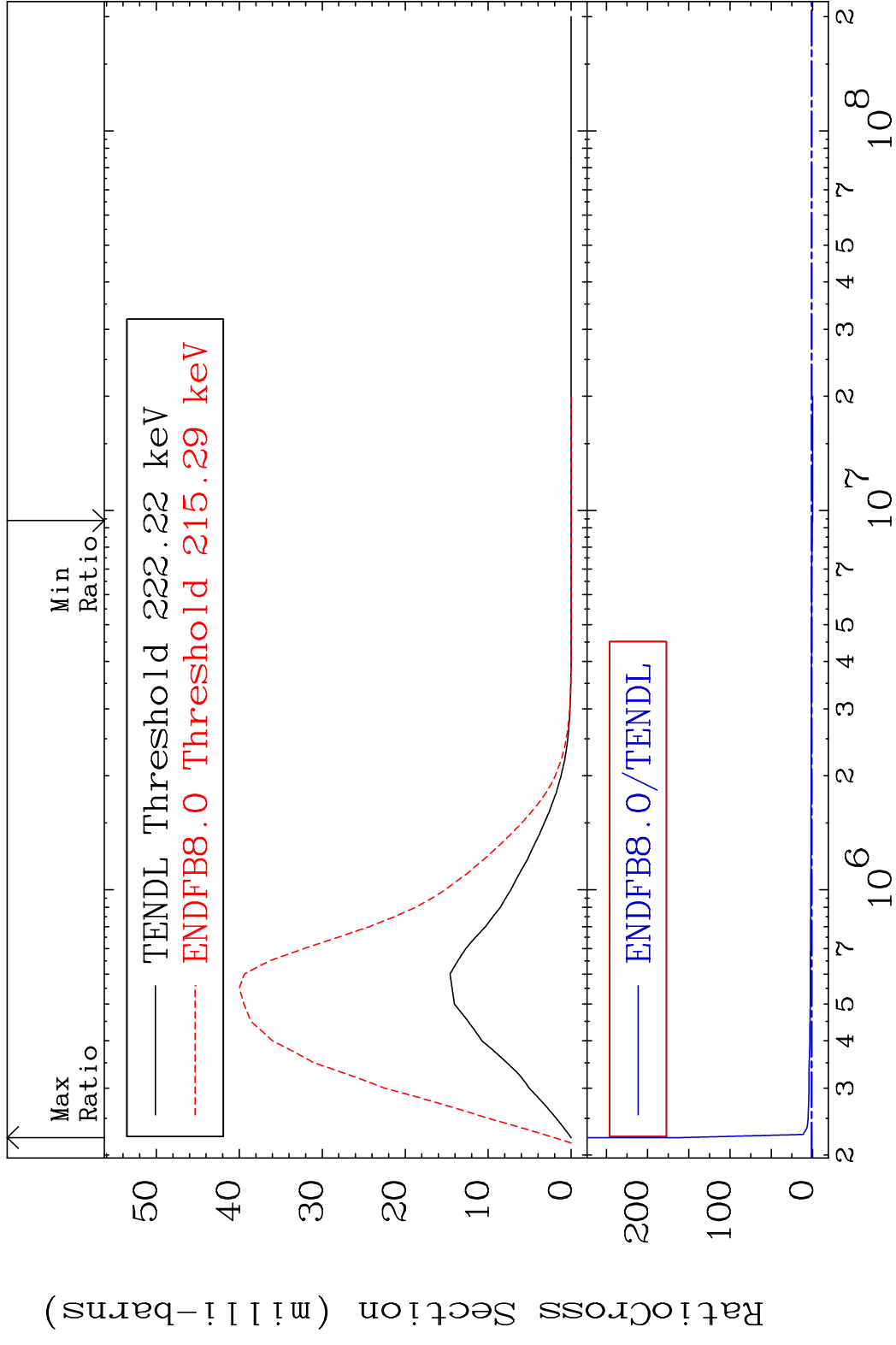


MAT 9547 MT= 64 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 43.97 %

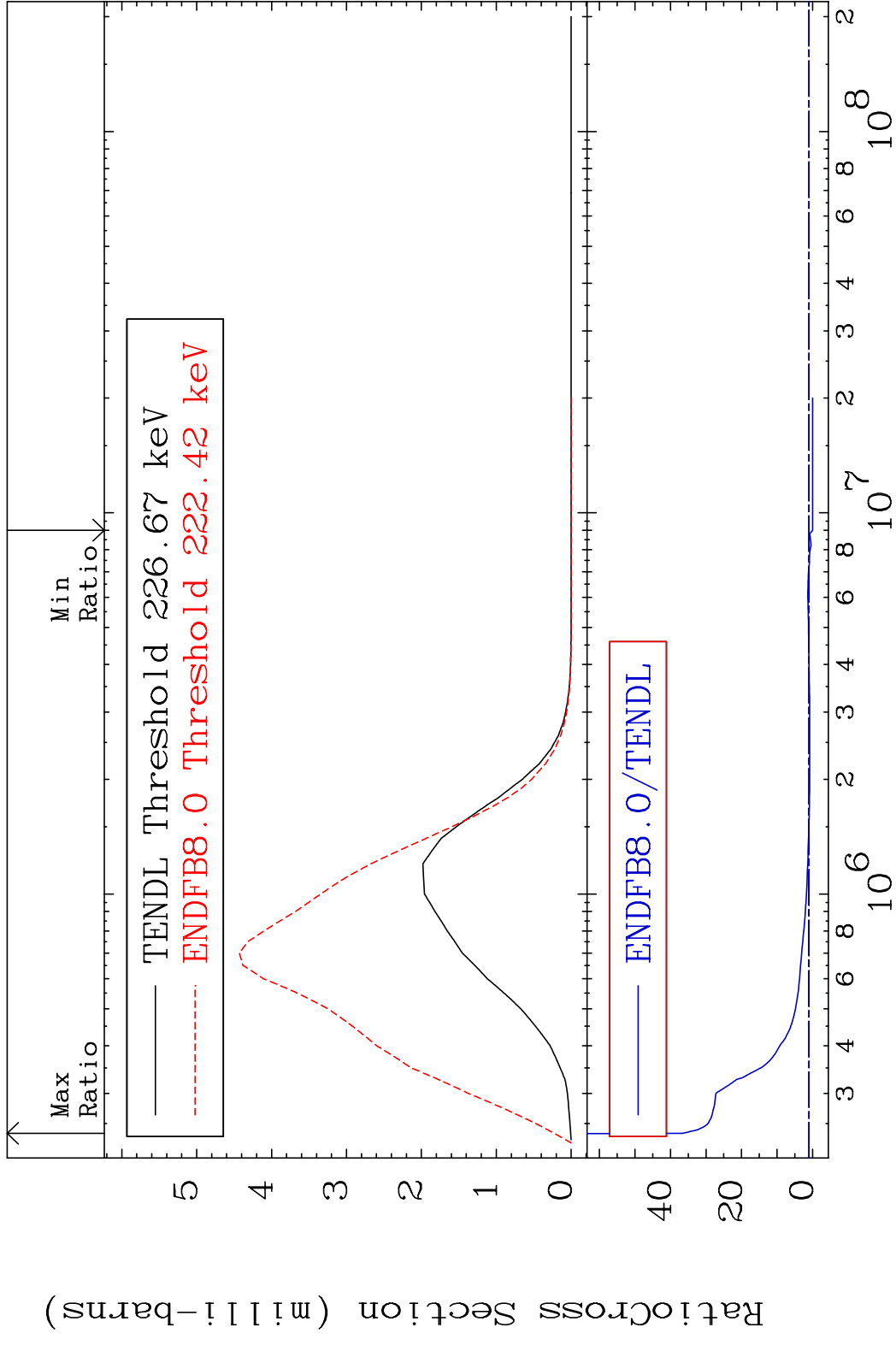


20 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 65 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

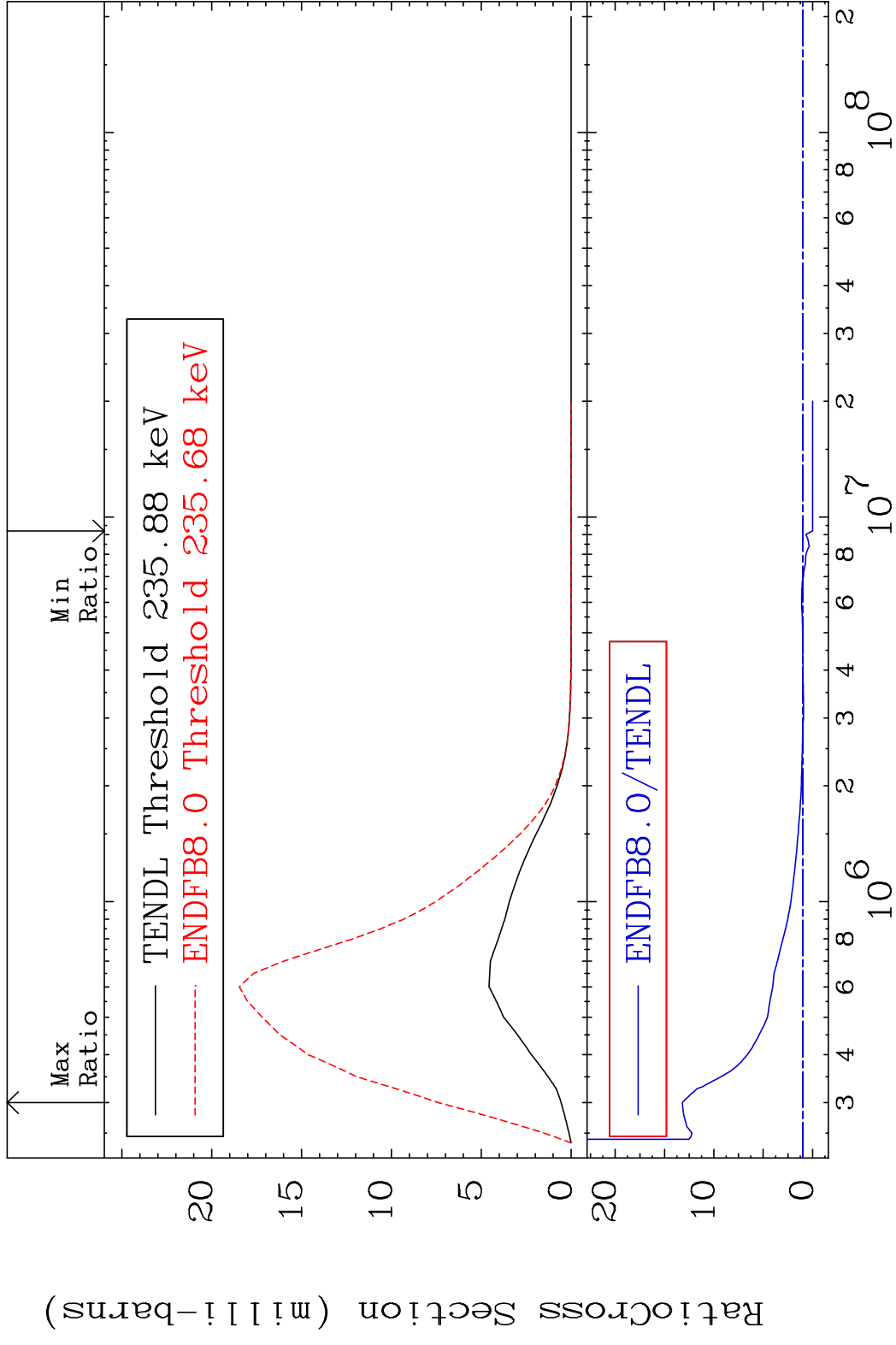


MAT 9547 MT= 66 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 3566. %



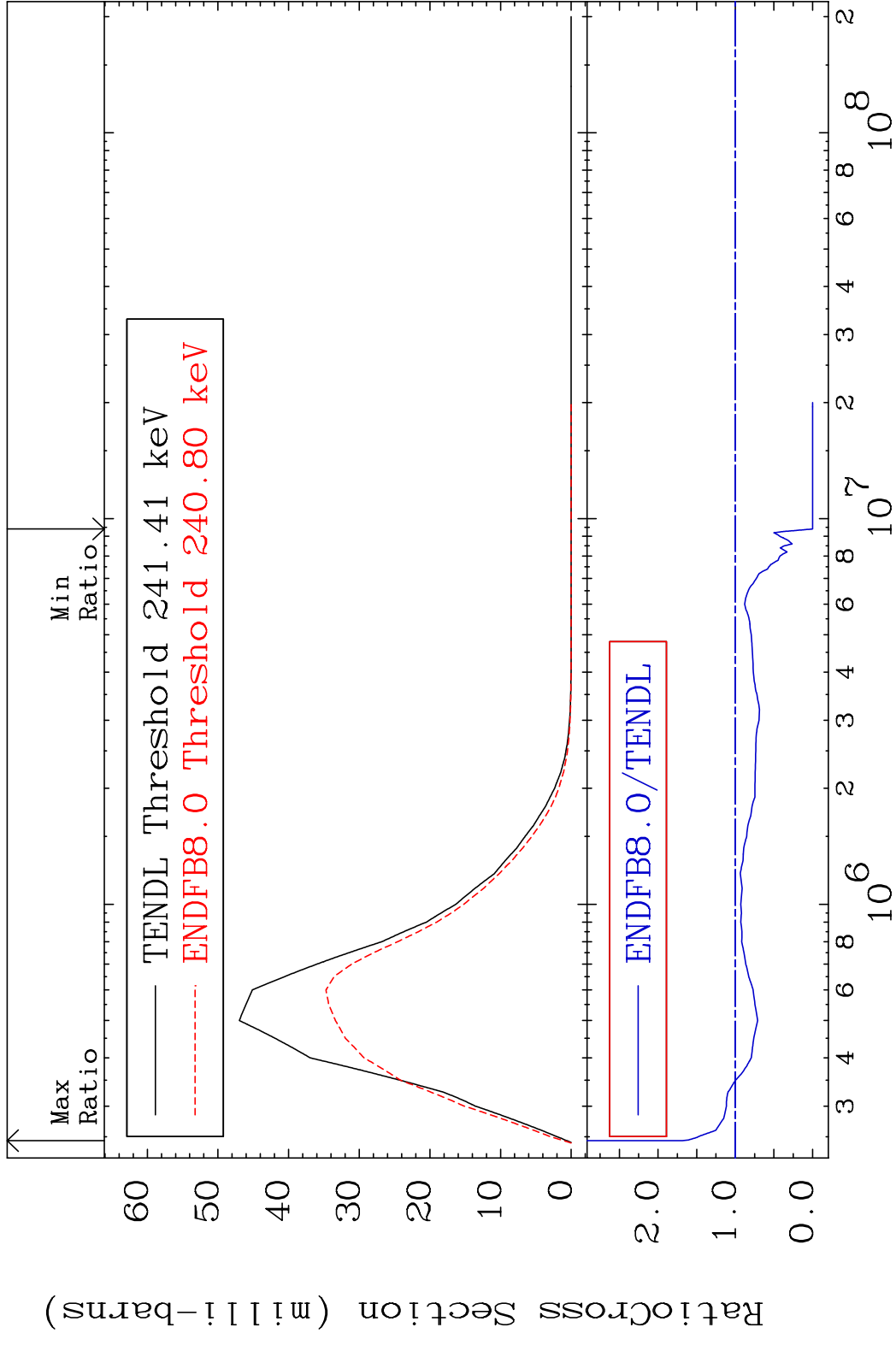
22 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 67 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 1219. %

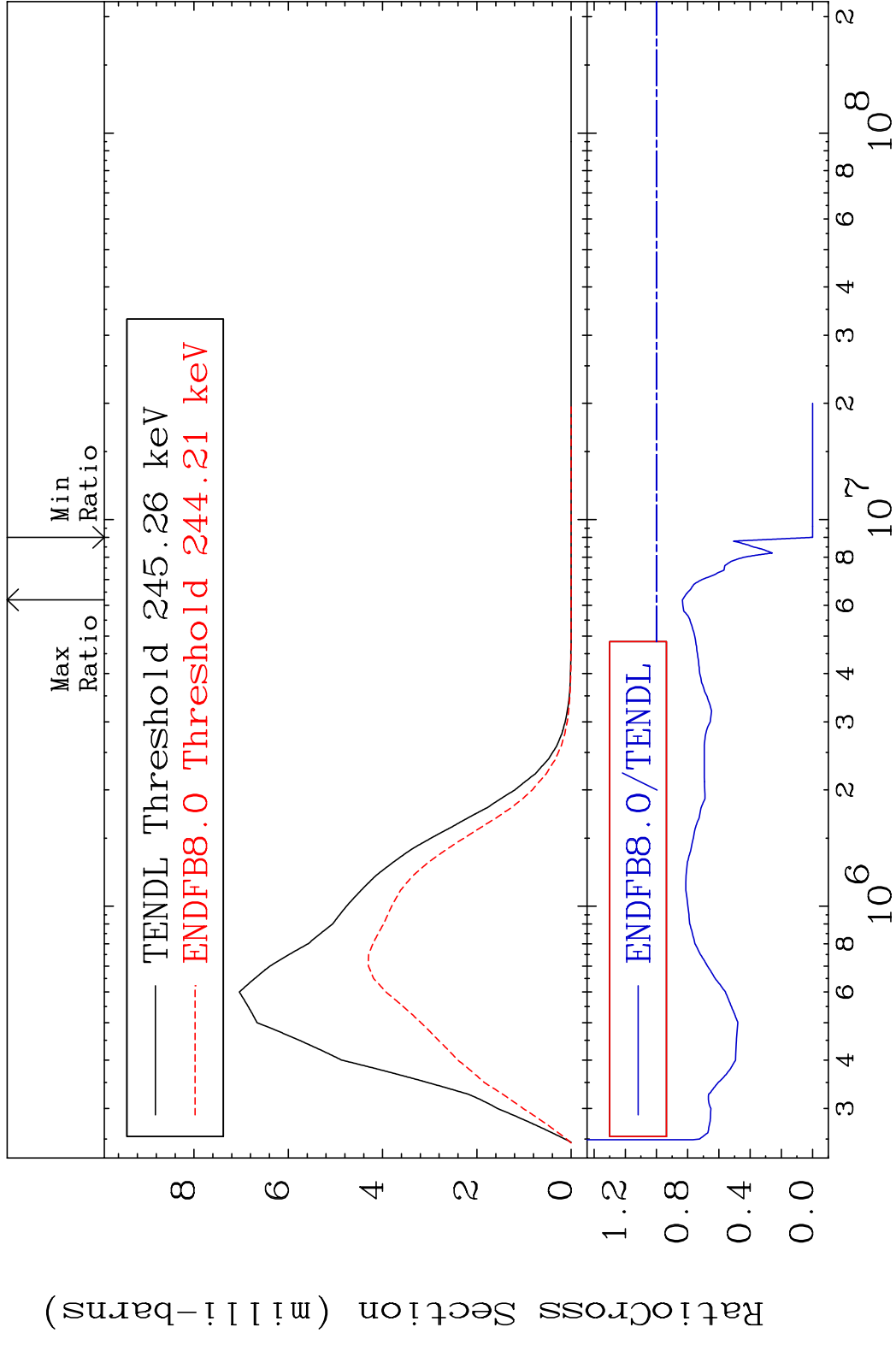




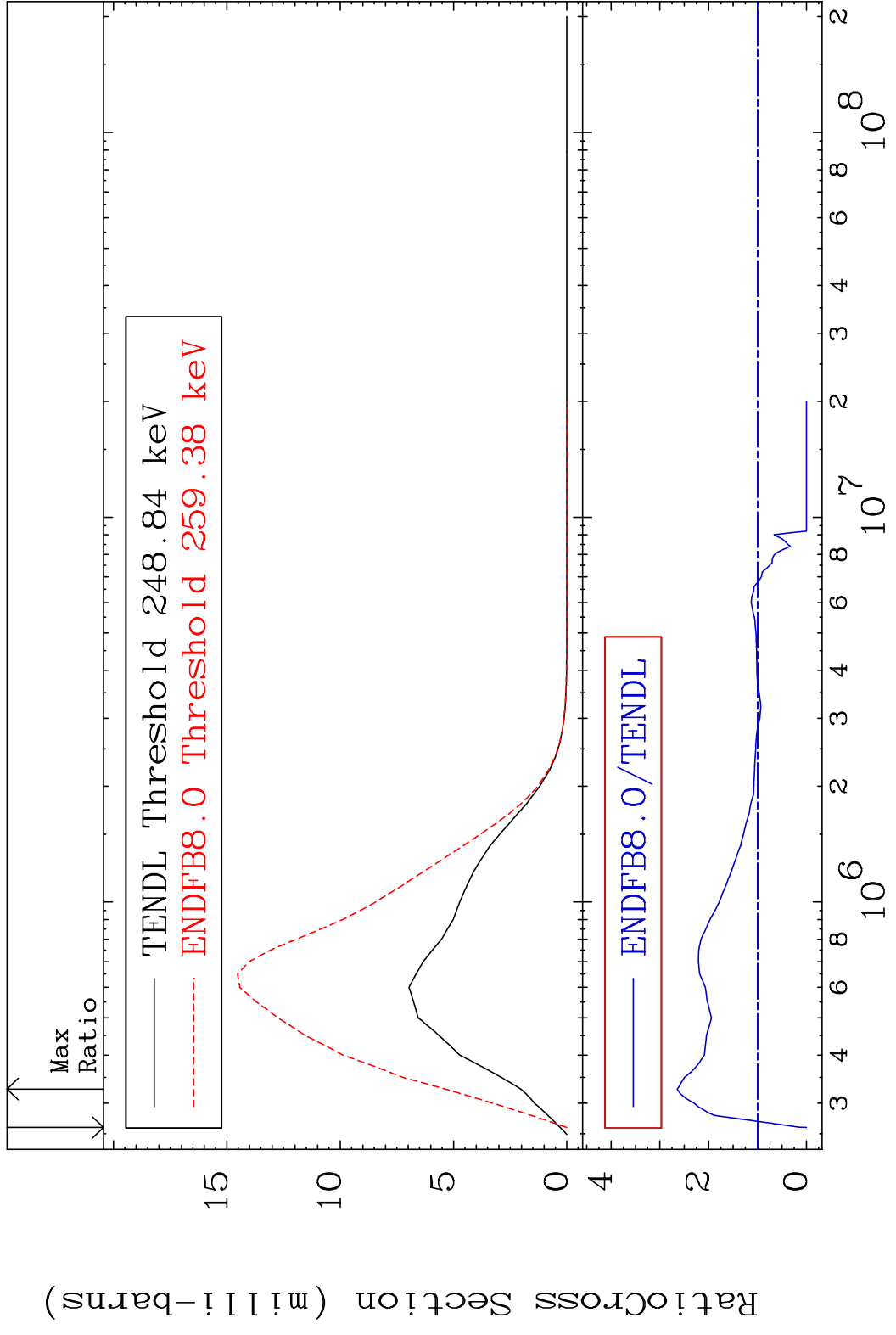
MAT 9547 MT= 68 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 68.52 %



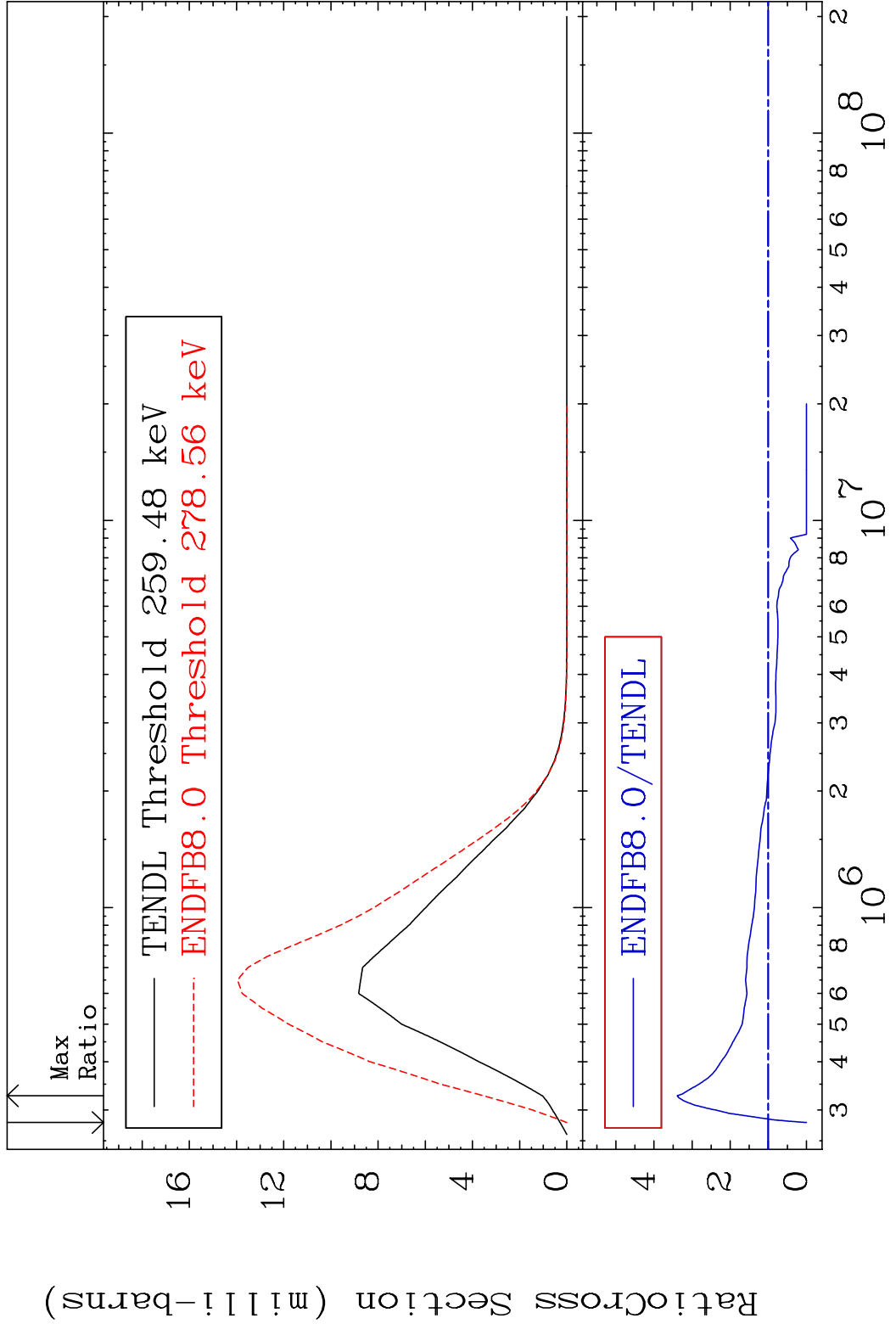
MAT 9547 MT= 69 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To -16.57%



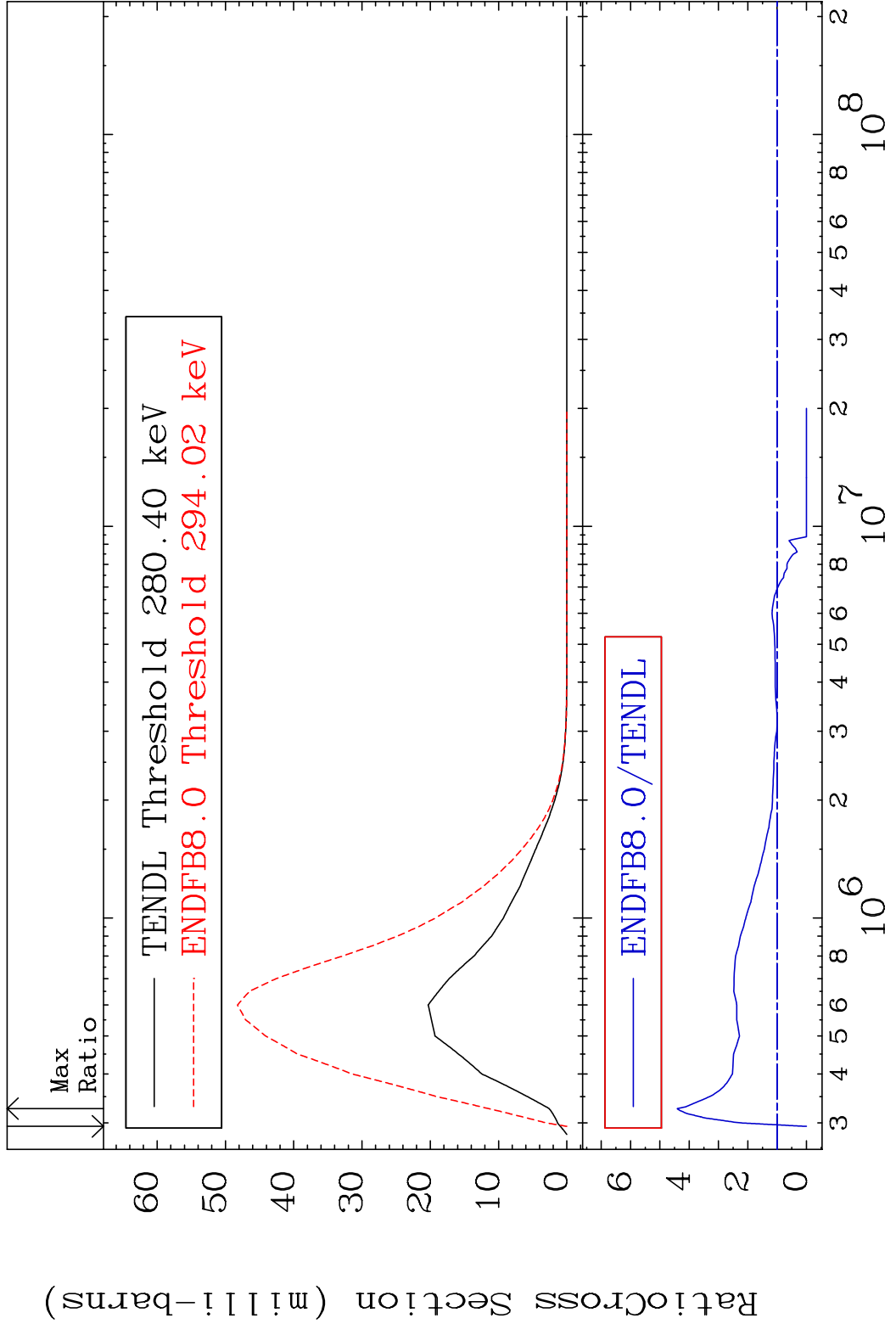
MAT 9547 MT= 70 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 164.6 %



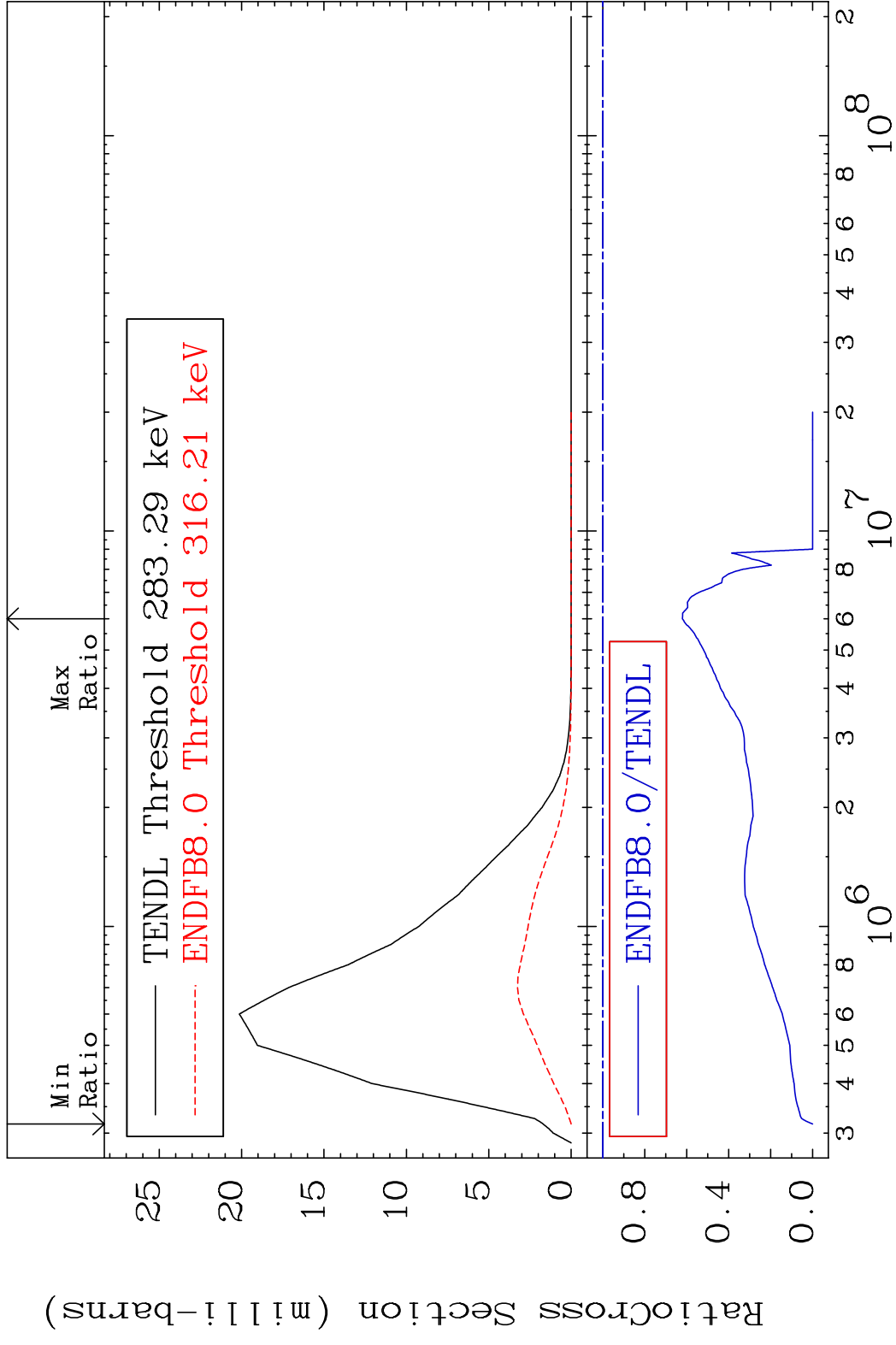
MAT 9547 MT= 71 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 239.2 %



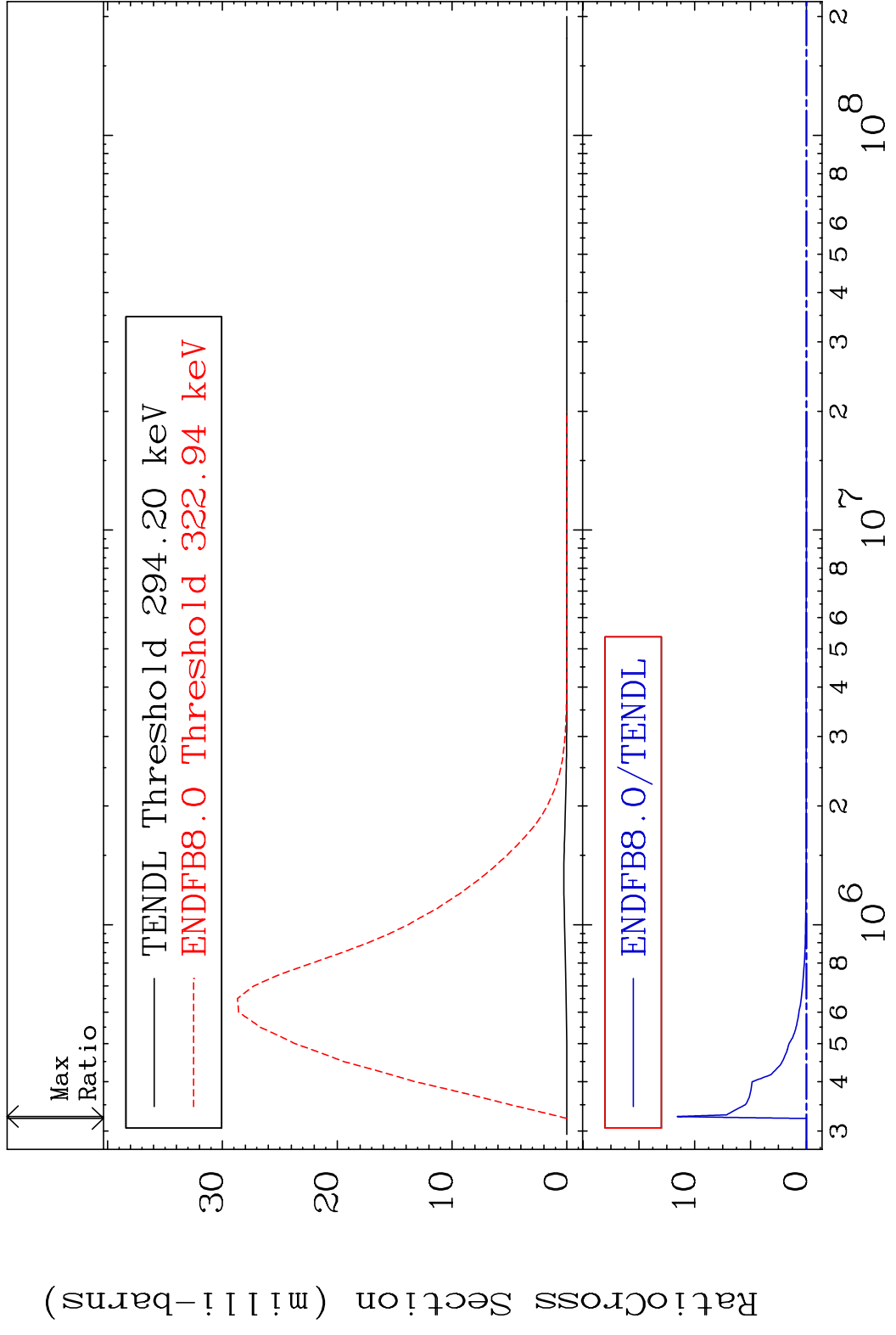
MAT 9547 MT= 72 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 340.9 %



MAT 9547 MT= 73 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To -37.93%

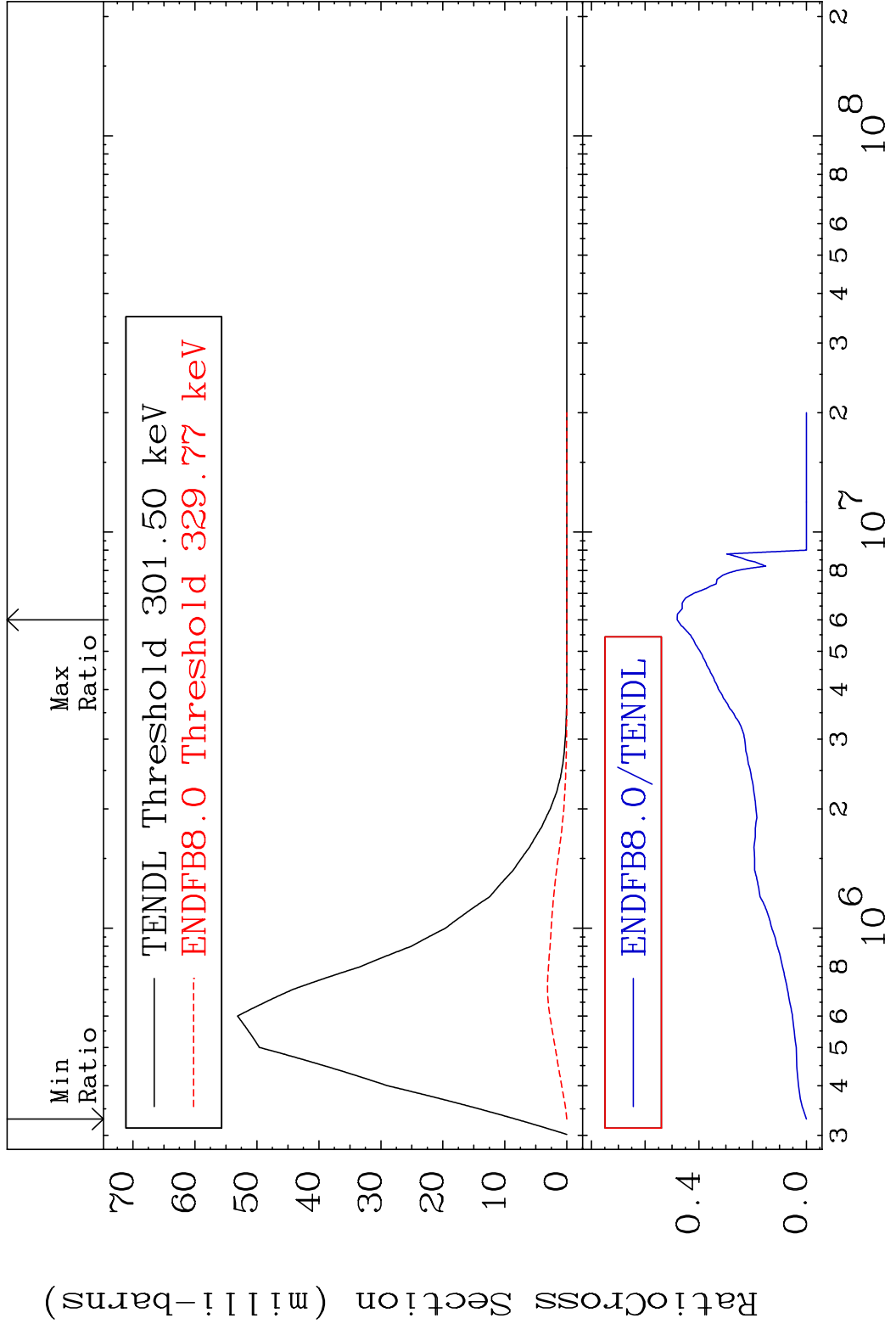


MAT 9547 MT= 74 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



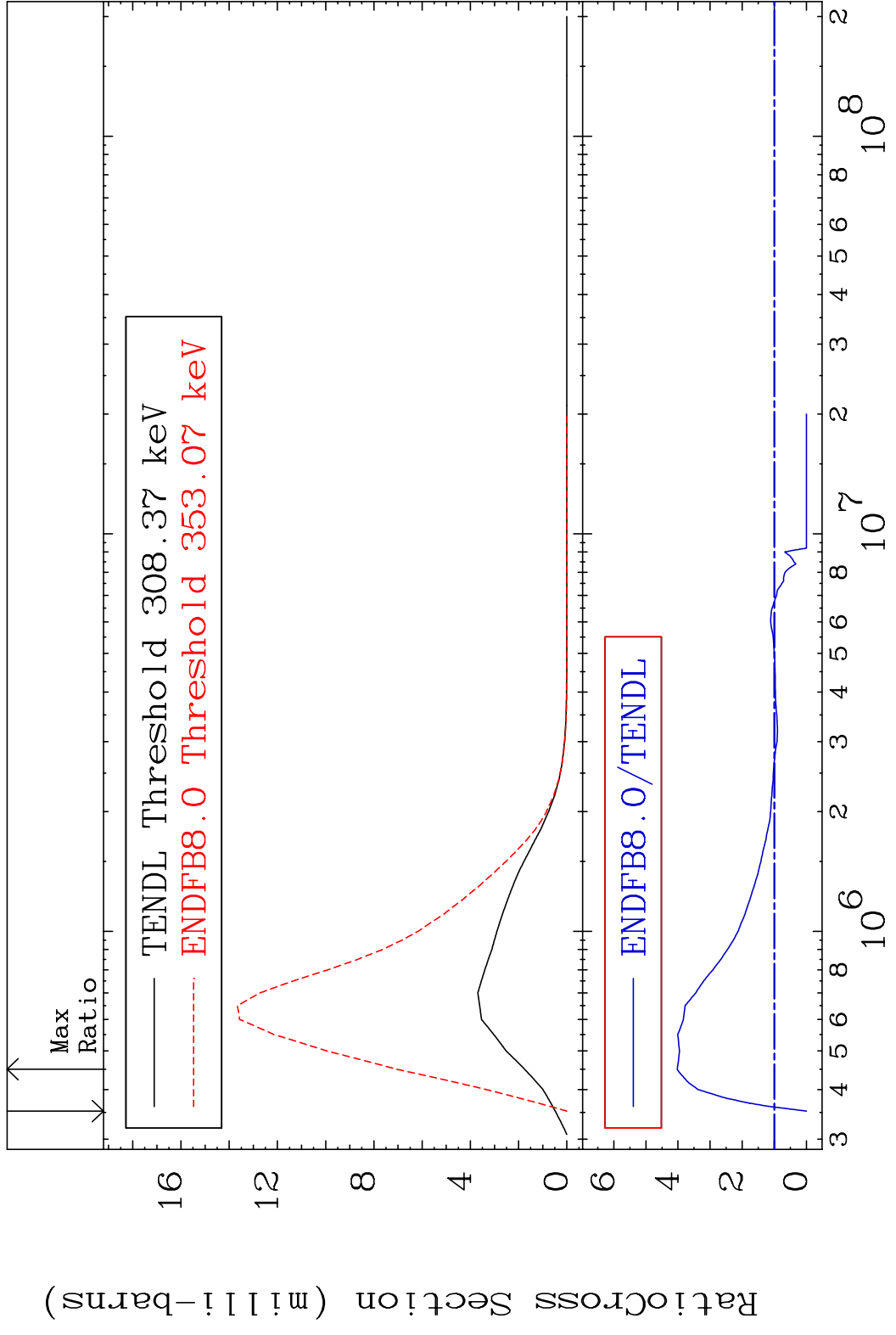
30 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 75 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To -51.92%

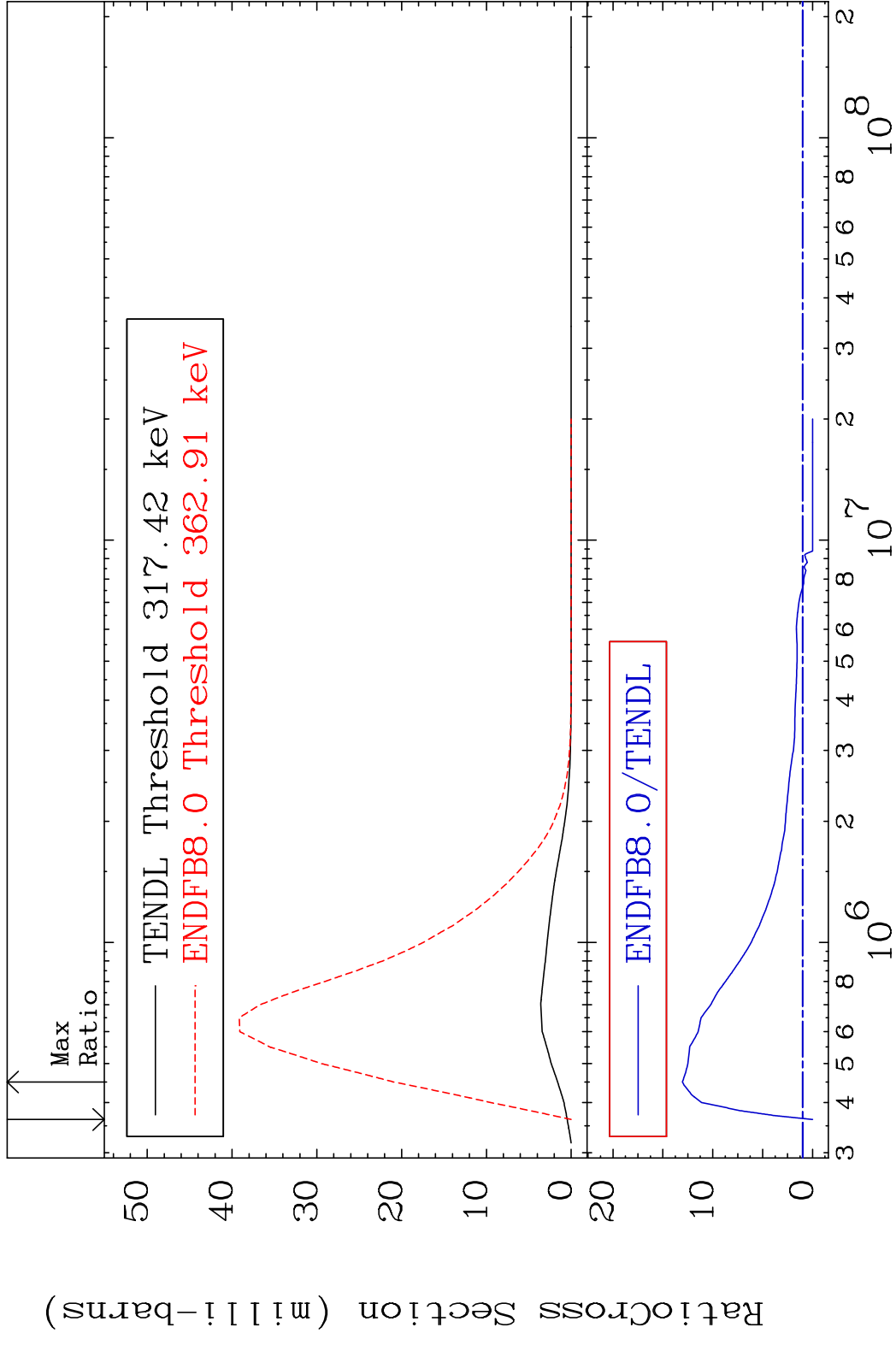




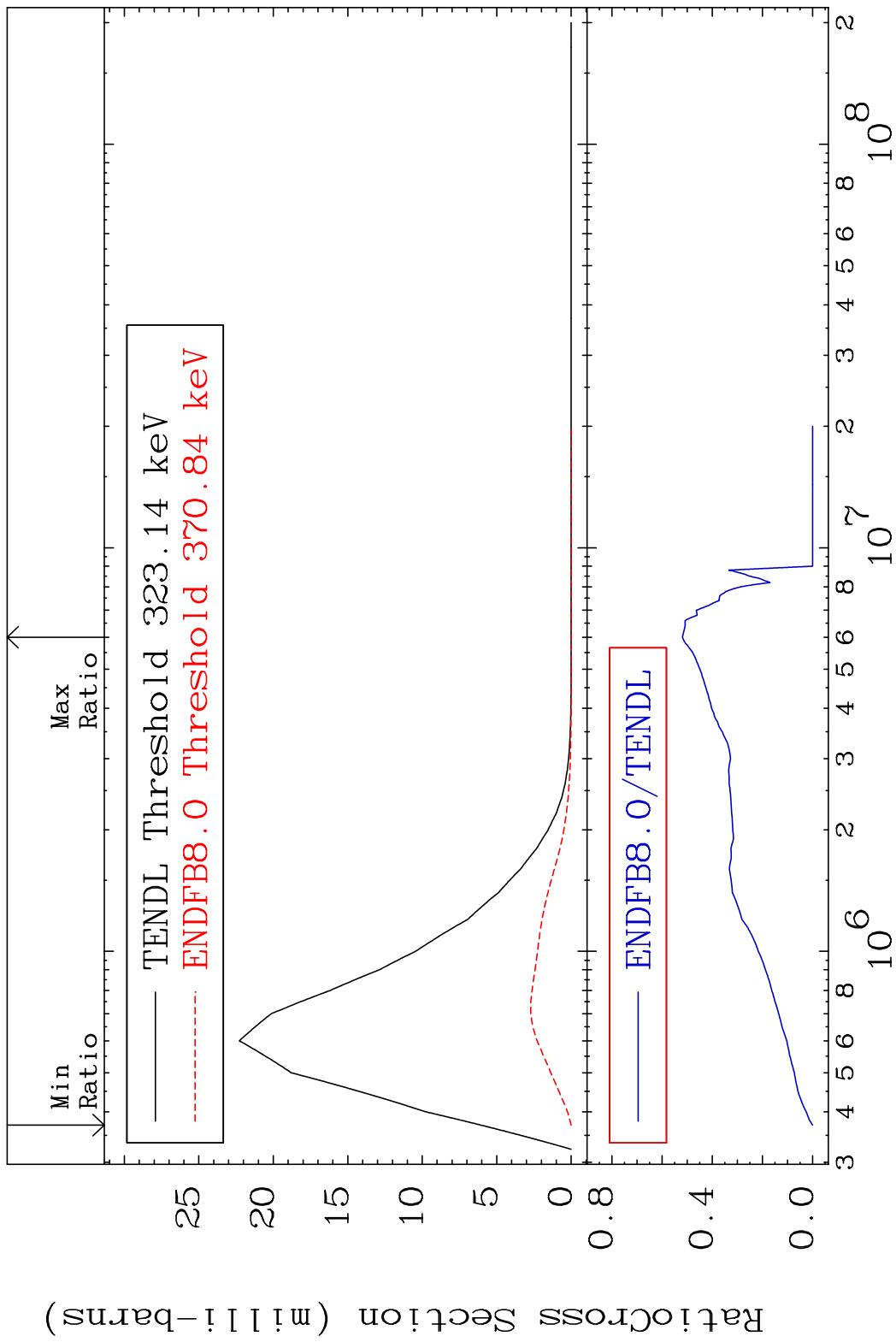
MAT 9547 MT= 76 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 302.5 %



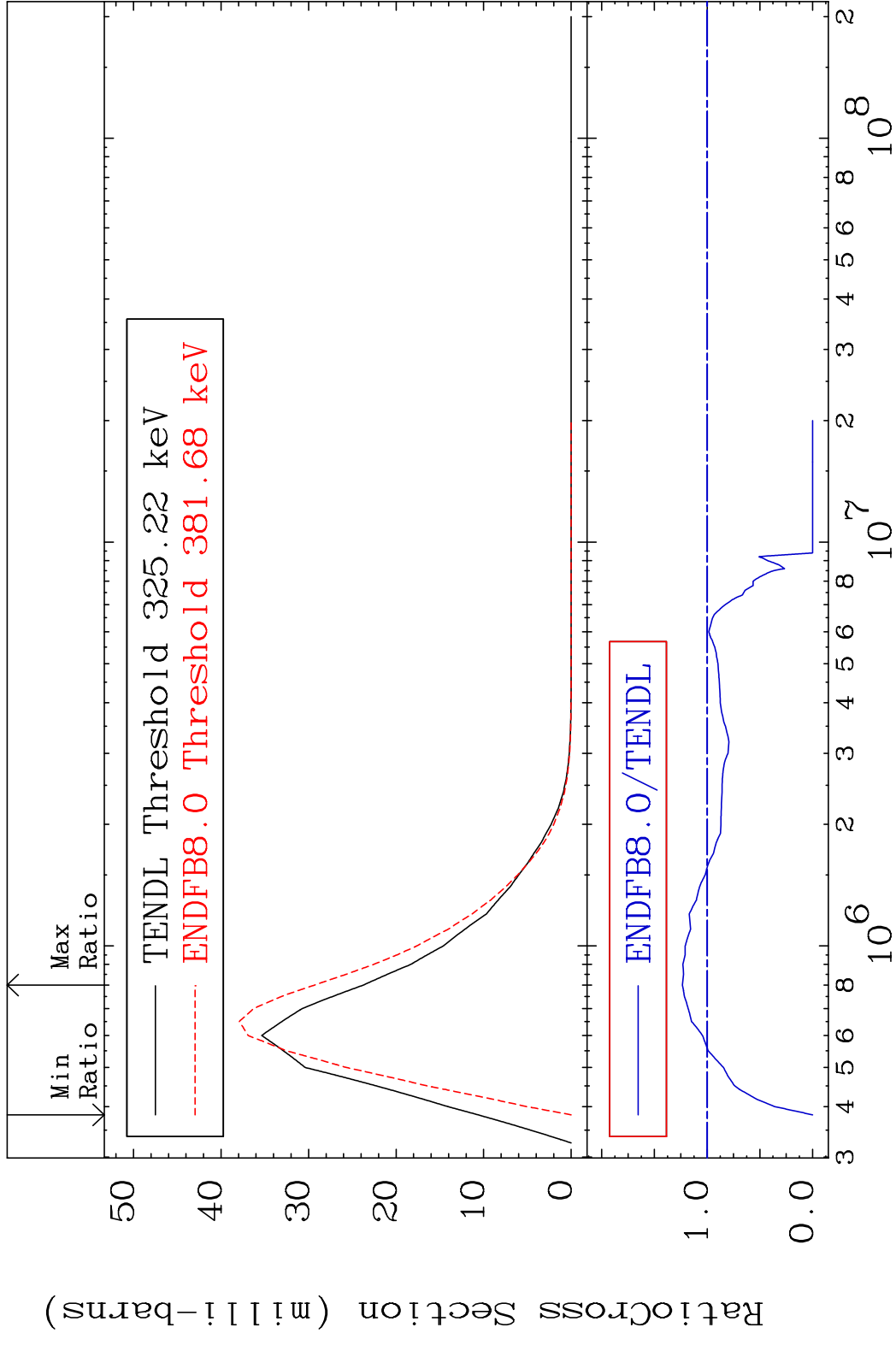
MAT 9547 MT= 77 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 1205. %



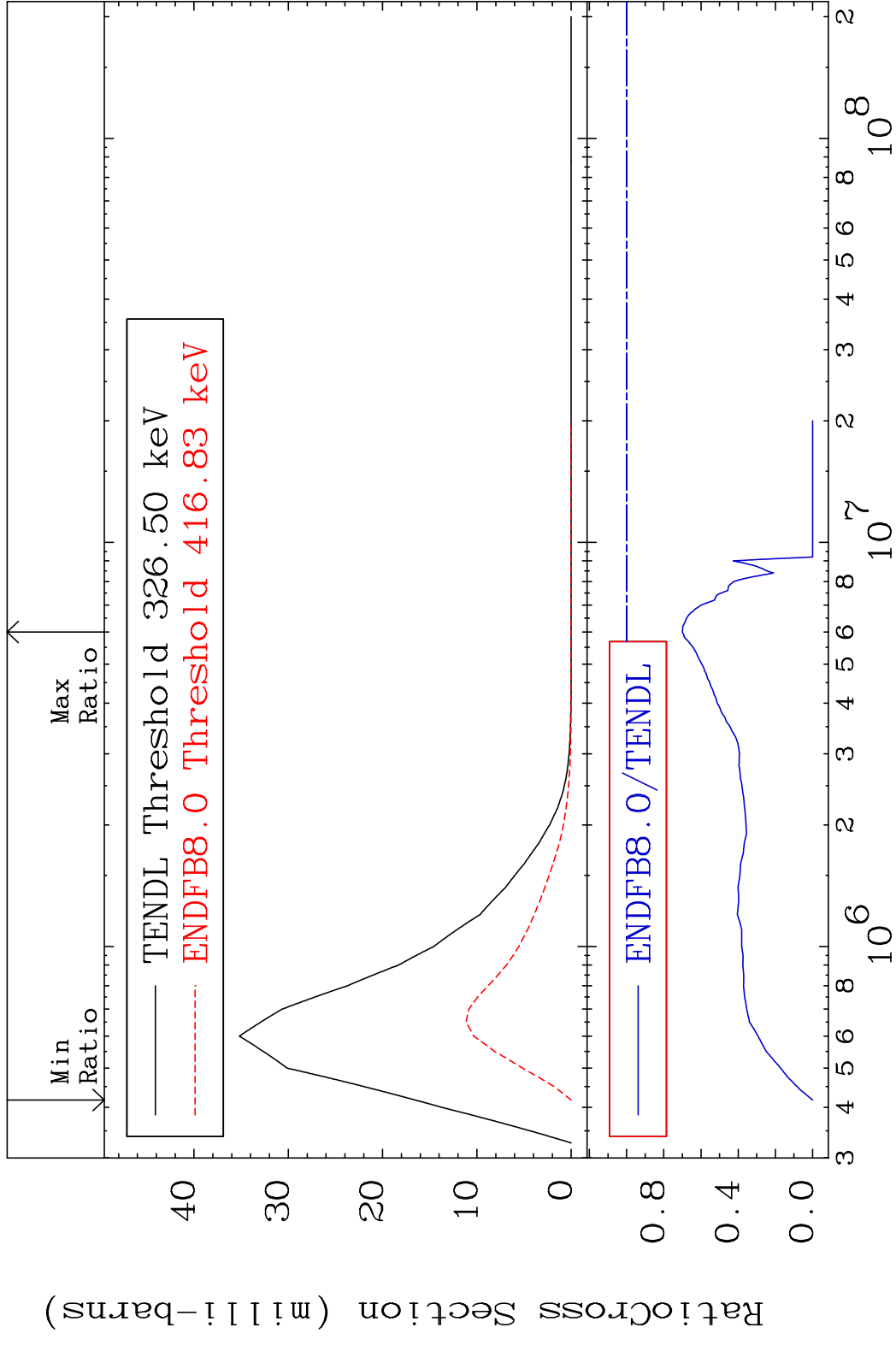
MAT 9547 MT= 78 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To -48.11%



MAT 9547 MT= 79 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 23.52 %



MAT 9547 MT= 80 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To -29.99%

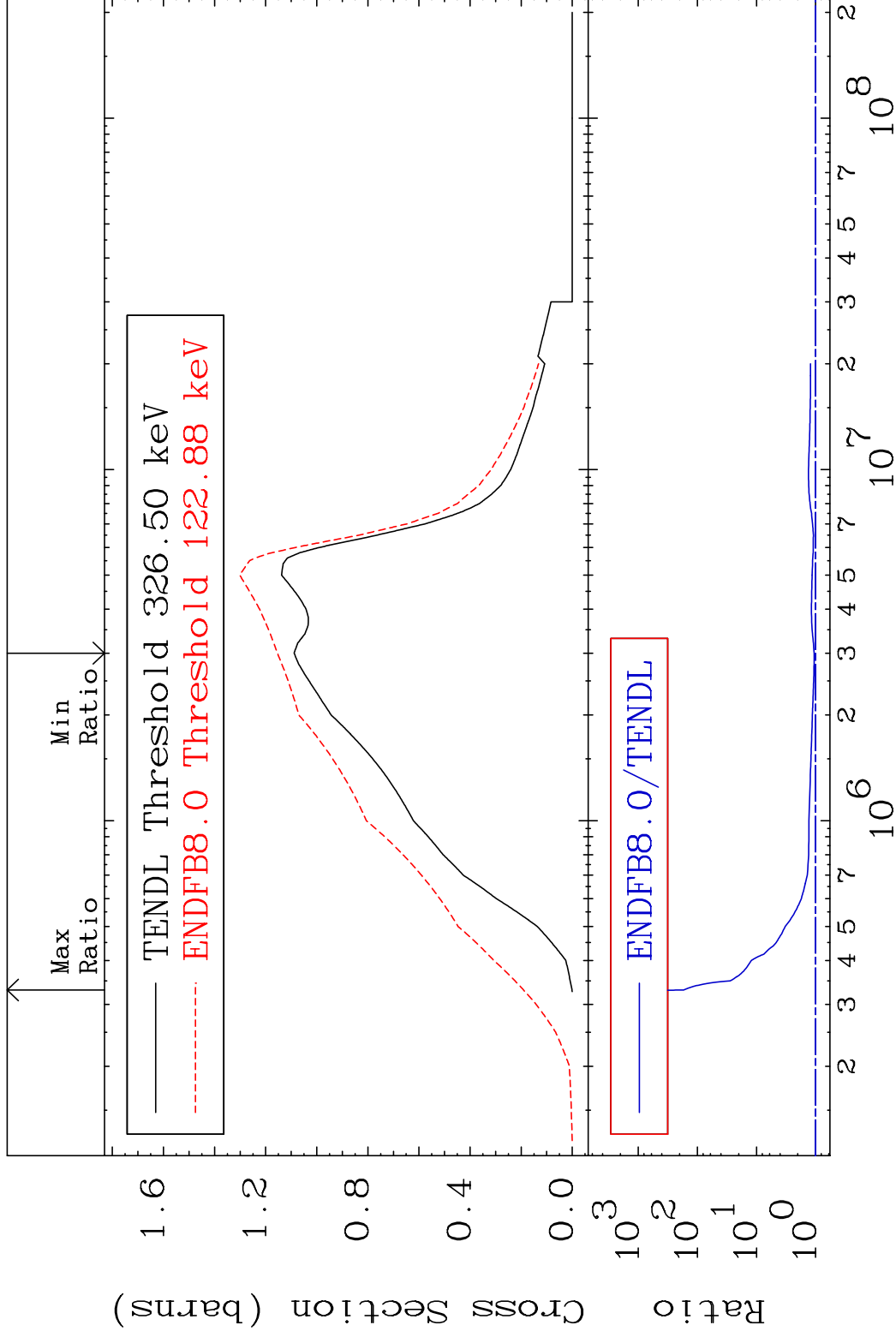


MAT 9547

(n, n') Continuum

95-Am-242m

Cross Section 5.999 To 9999. %



37

Incident Energy (eV)

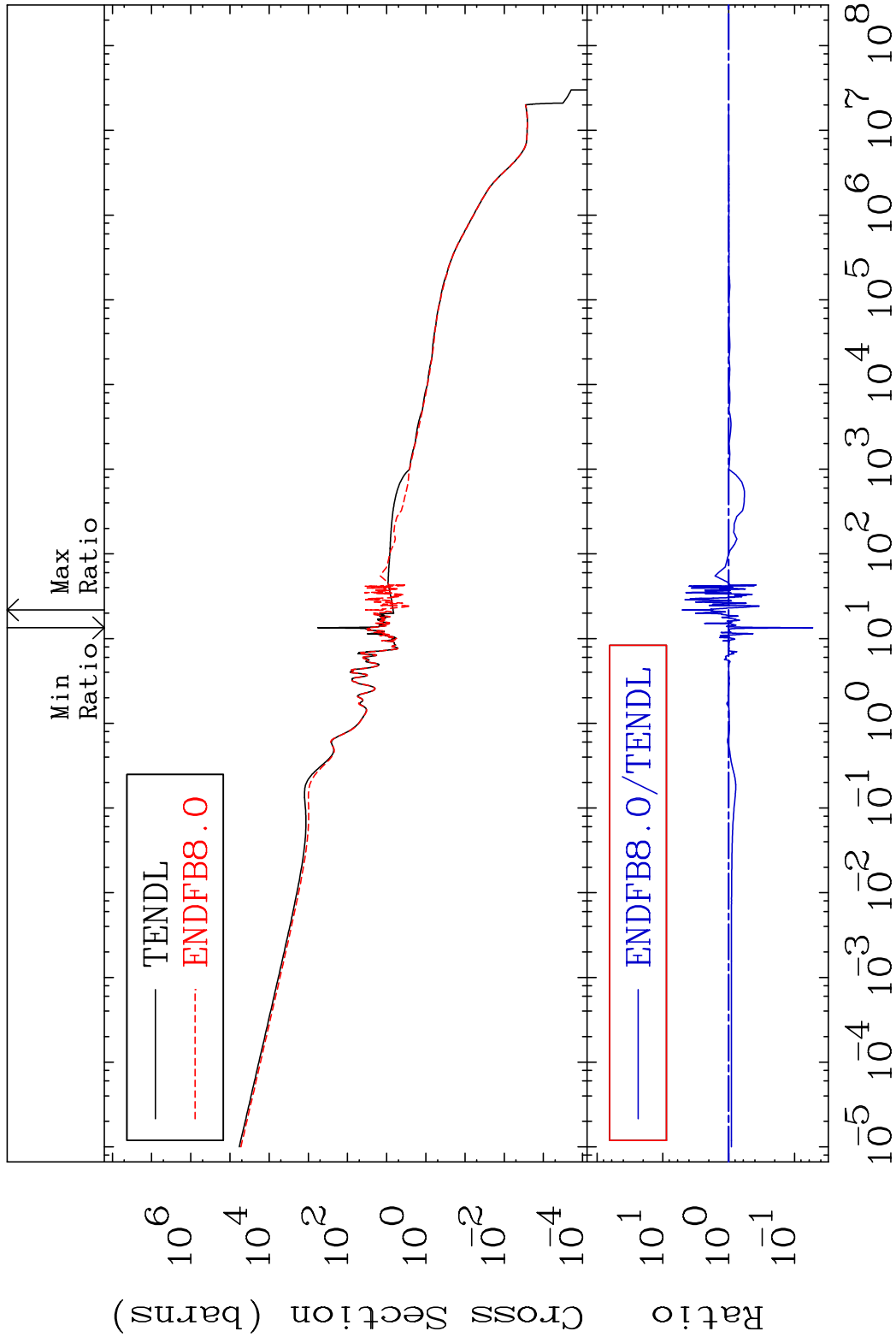
95-Am-242m

MAT 9547

(n,  $\gamma$ )

95-Am-242m

Cross Section -94.67 To 406.1 %

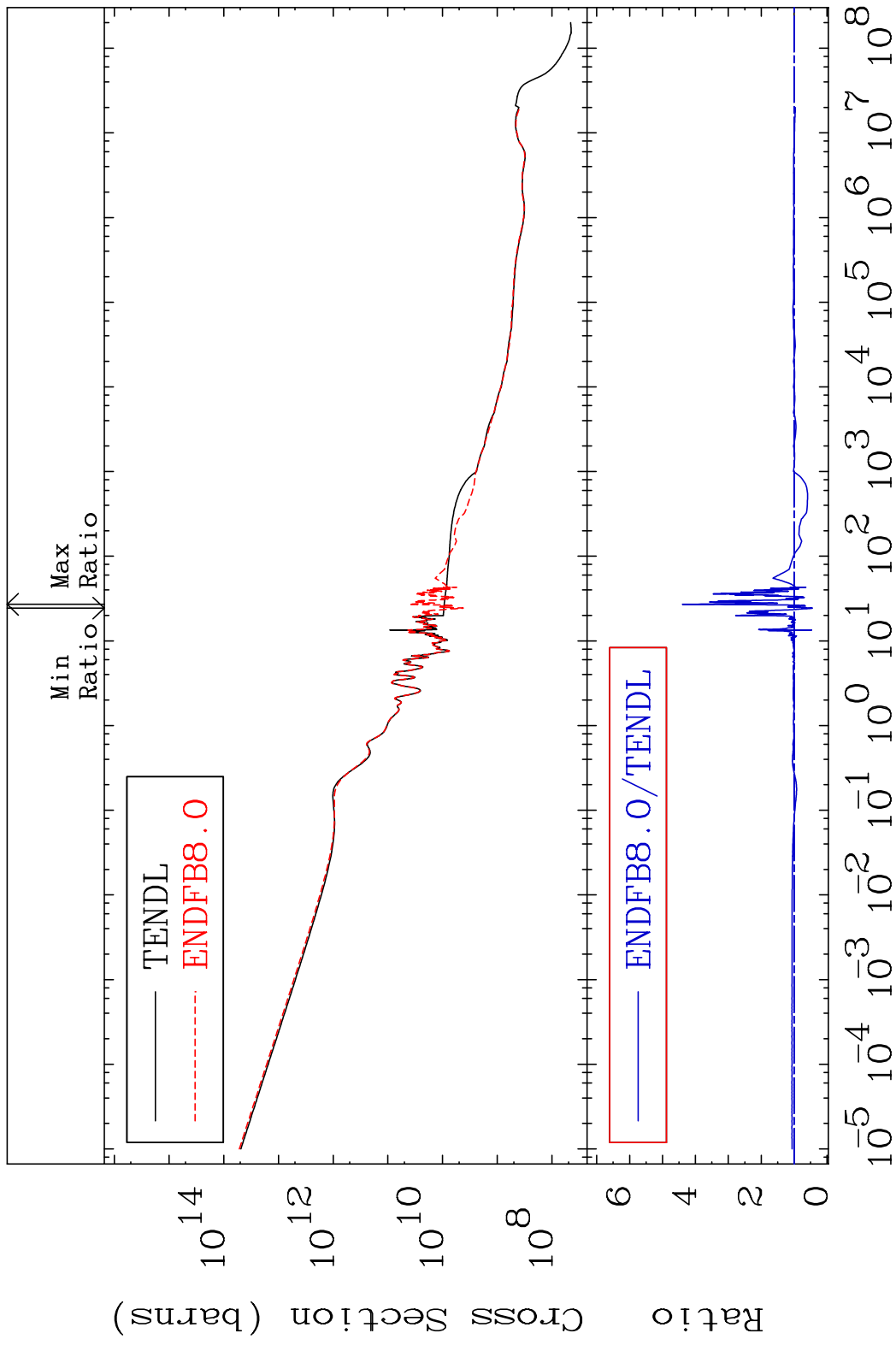


38

Incident Energy (eV)

95-Am-242m

MAT 9547 Kerma total (eV-barns) 95-Am-242m  
Cross Section -56.01 To 339.7 %



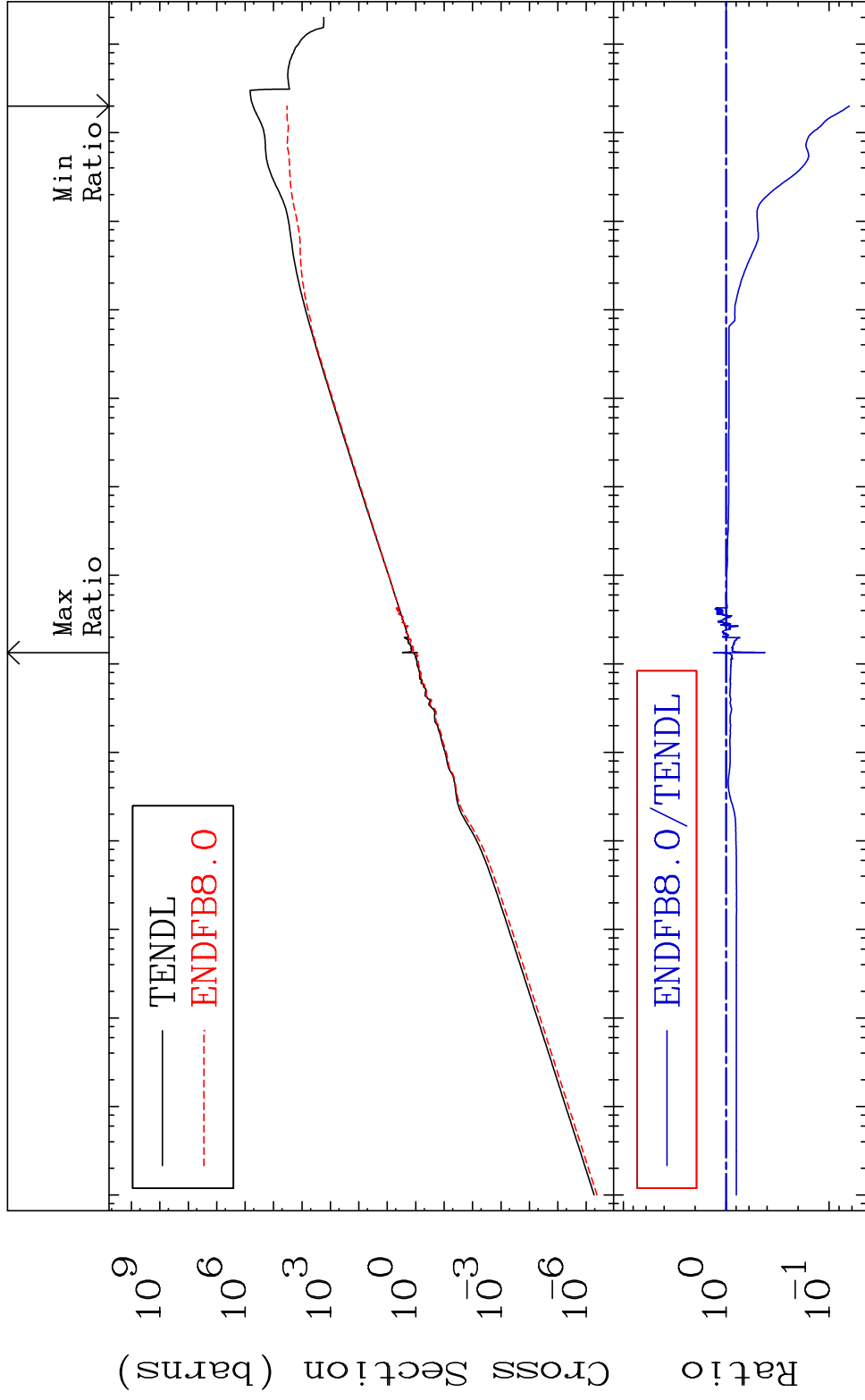
39 Incident Energy (eV) 95-Am-242m



MAT 9547

Kerma elastic  
Cross Section

95-Am-242m  
-93.64 To 33.66 %

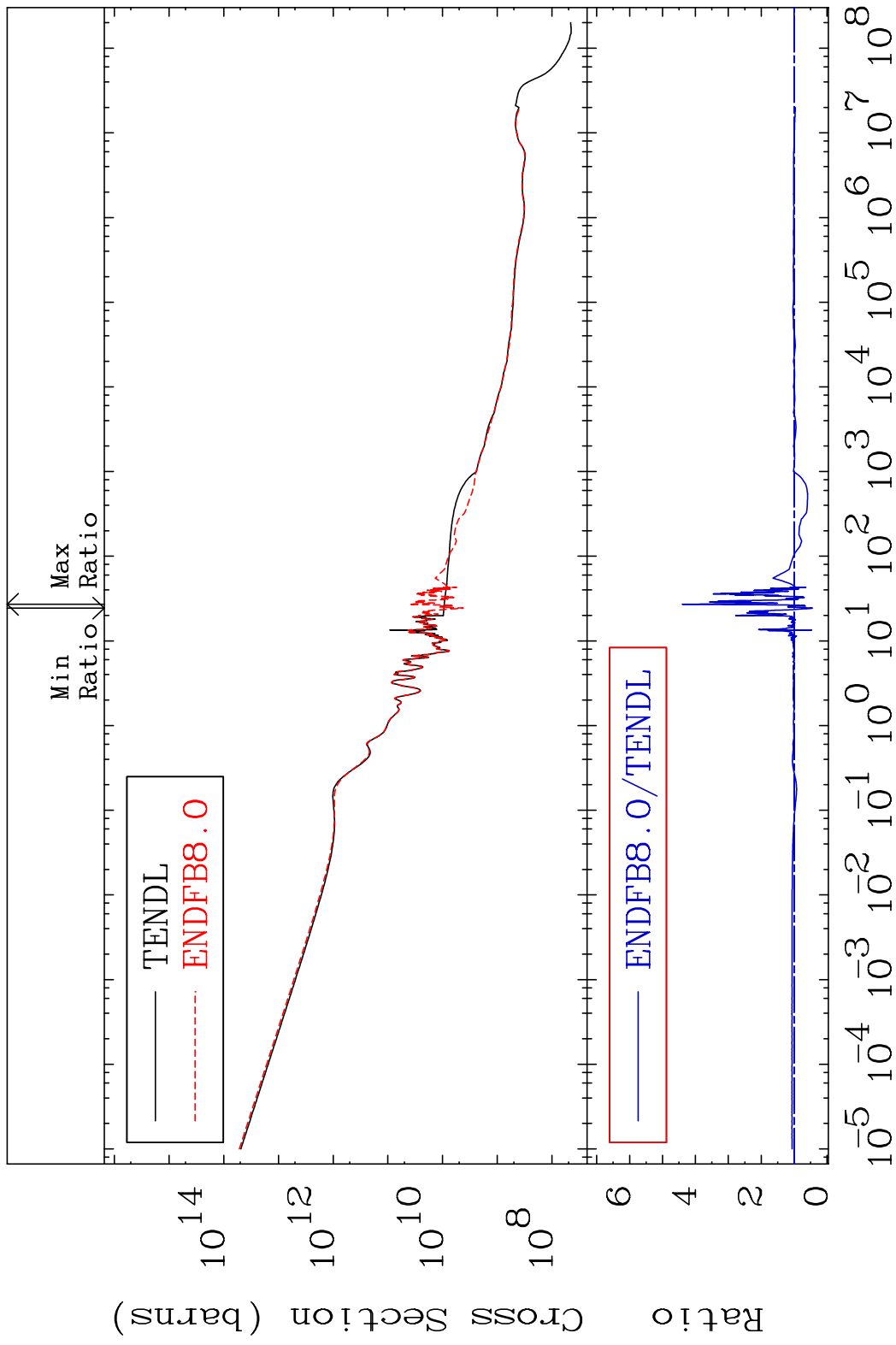


40

Incident Energy (eV)

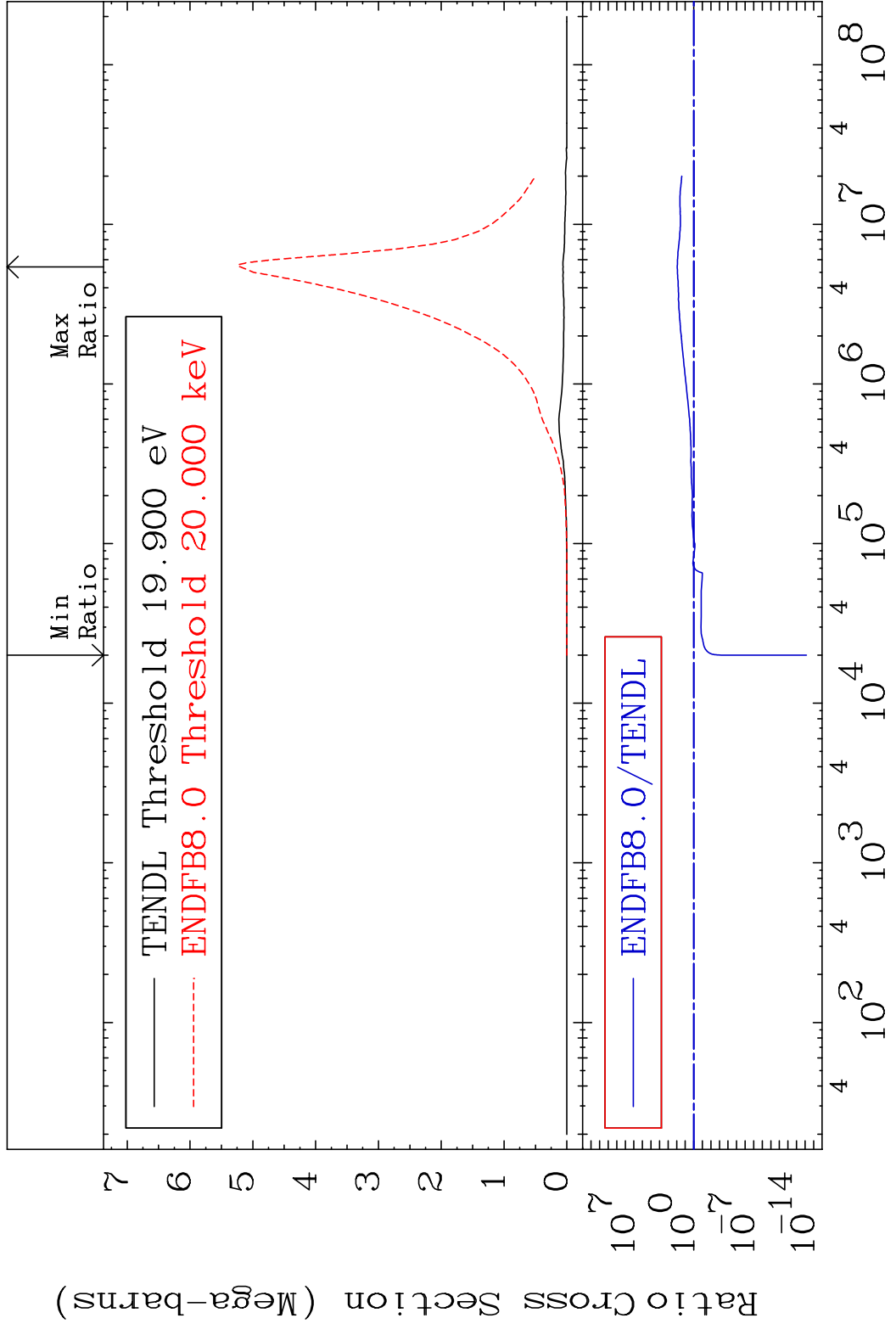
95-Am-242m

MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m  
Cross Section -56.01 To 339.7 %

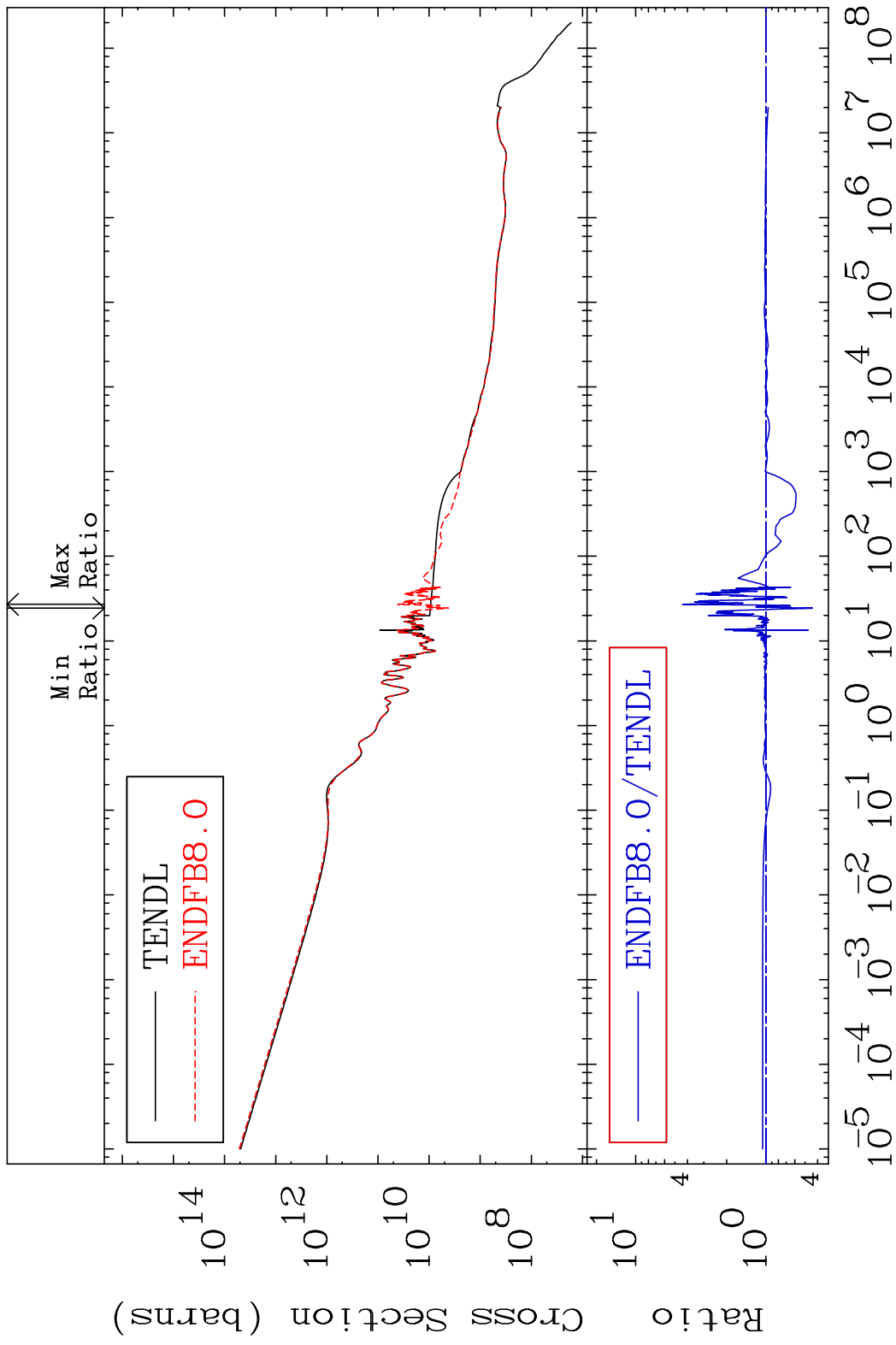


41 Incident Energy (eV) 95-Am-242m

MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m  
 Cross Section -100.0 To 8589. %

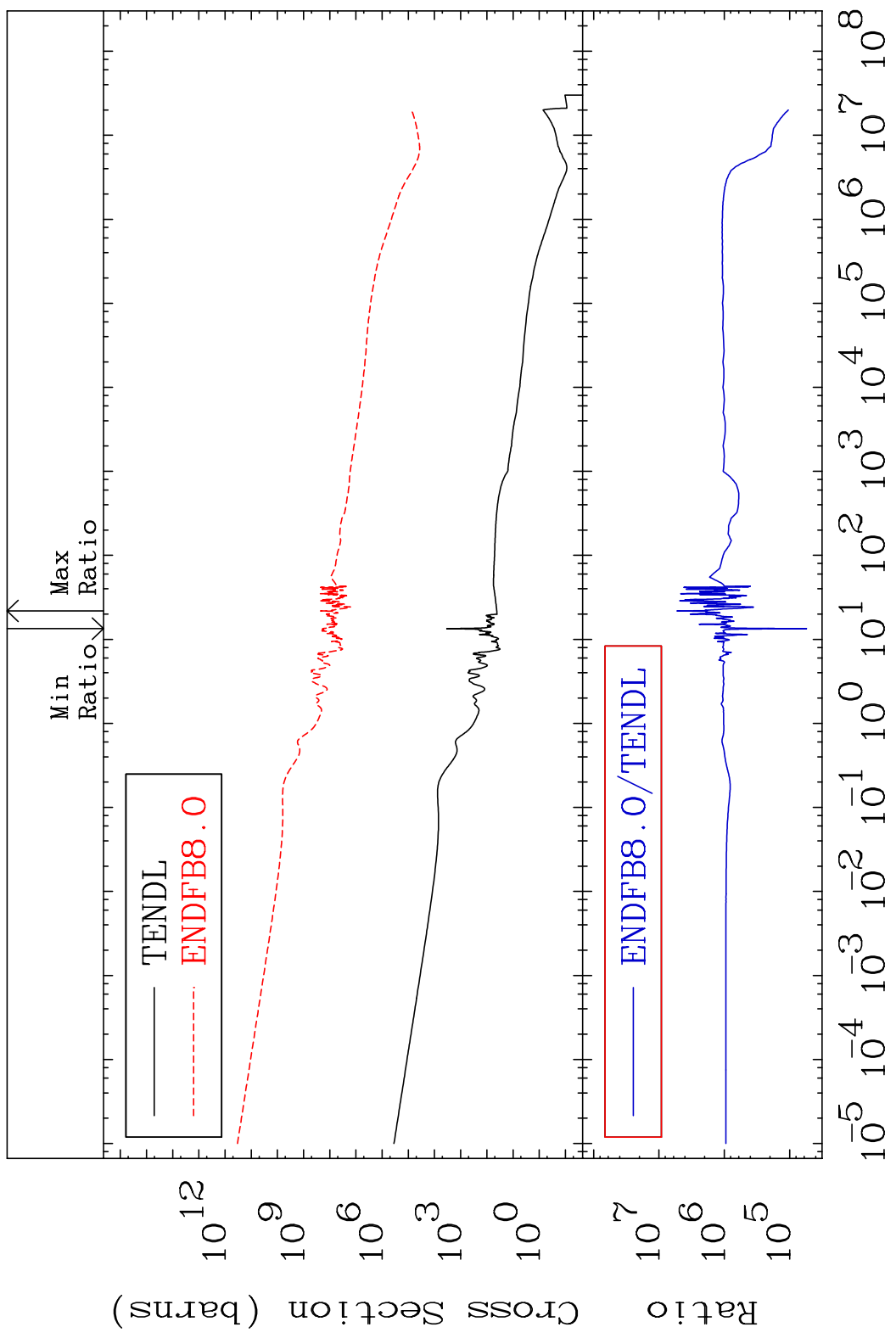


MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m  
 Cross Section -56.20 To 338.1 %



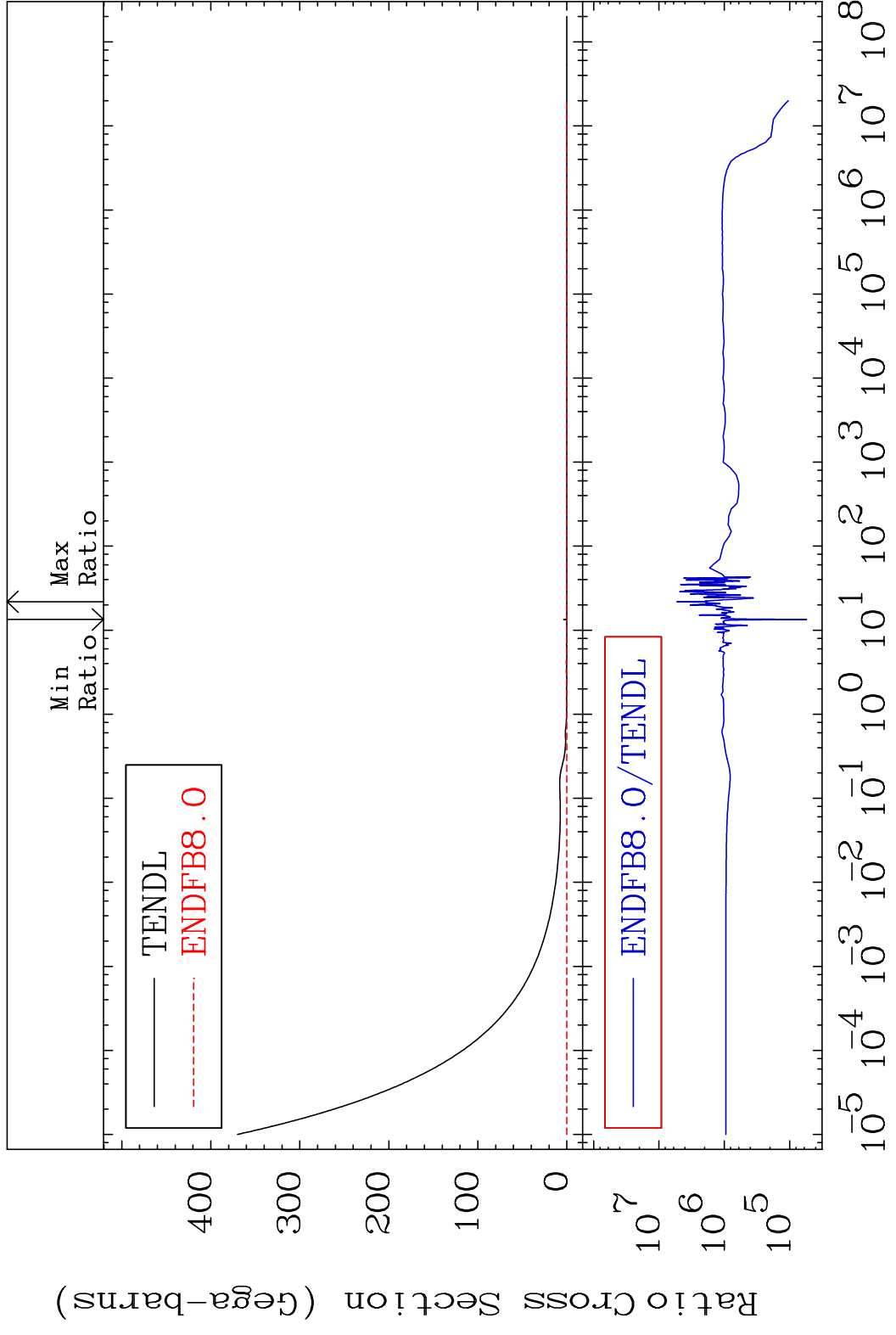
MAT 9547

Kerma capture (mt102) 95-Am-242m  
Cross Section 9999. To 9999. %



MAT 9547

Total photon (eV-barns) 95-Am-242m  
Cross Section 9999. To 9999. %

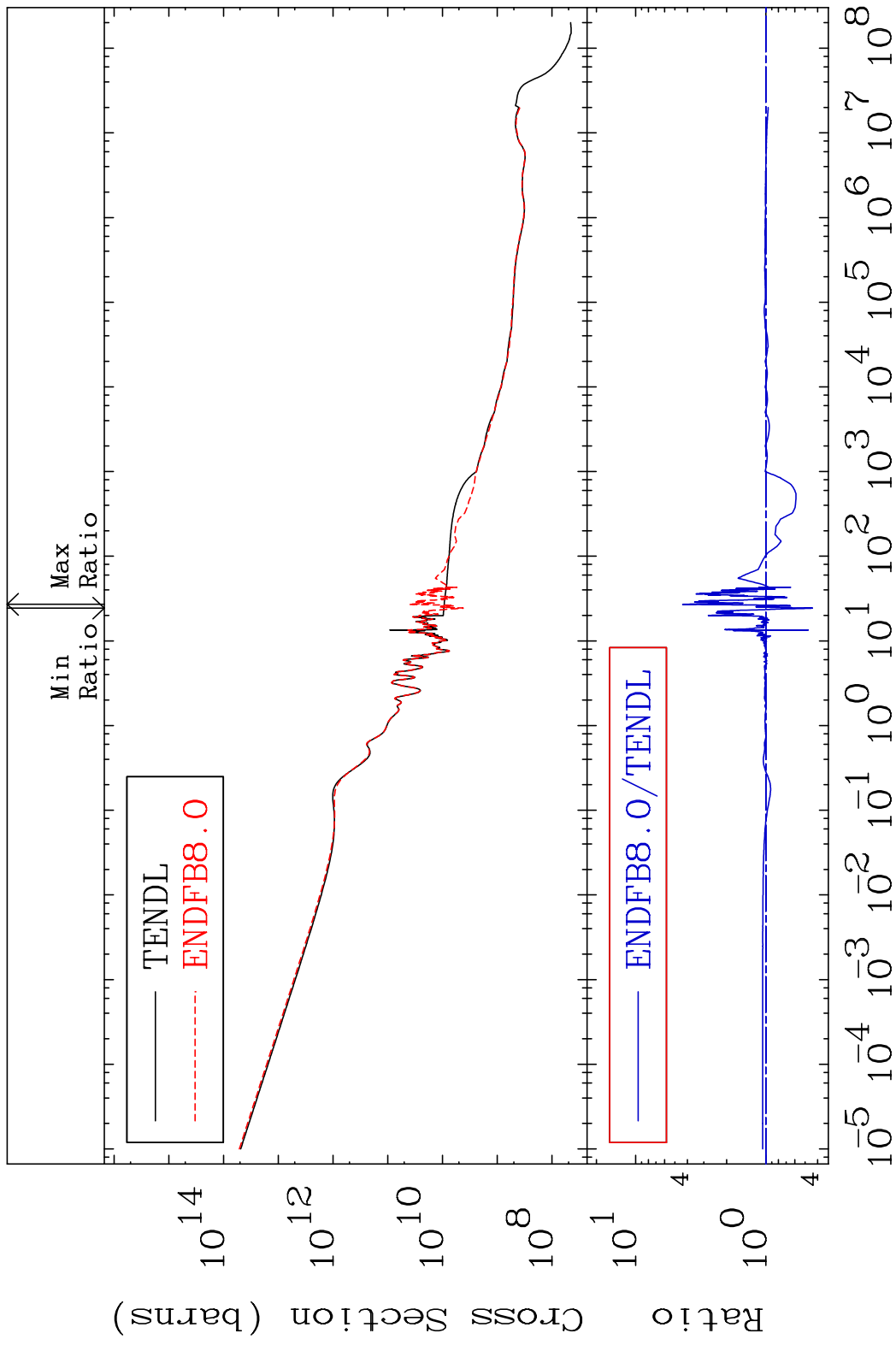


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Incident Energy (eV)

95-Am-242m

MAT 9547 Total kinematic kerma (high limit)95-Am-242m  
Cross Section -56.20 To 338.1 %

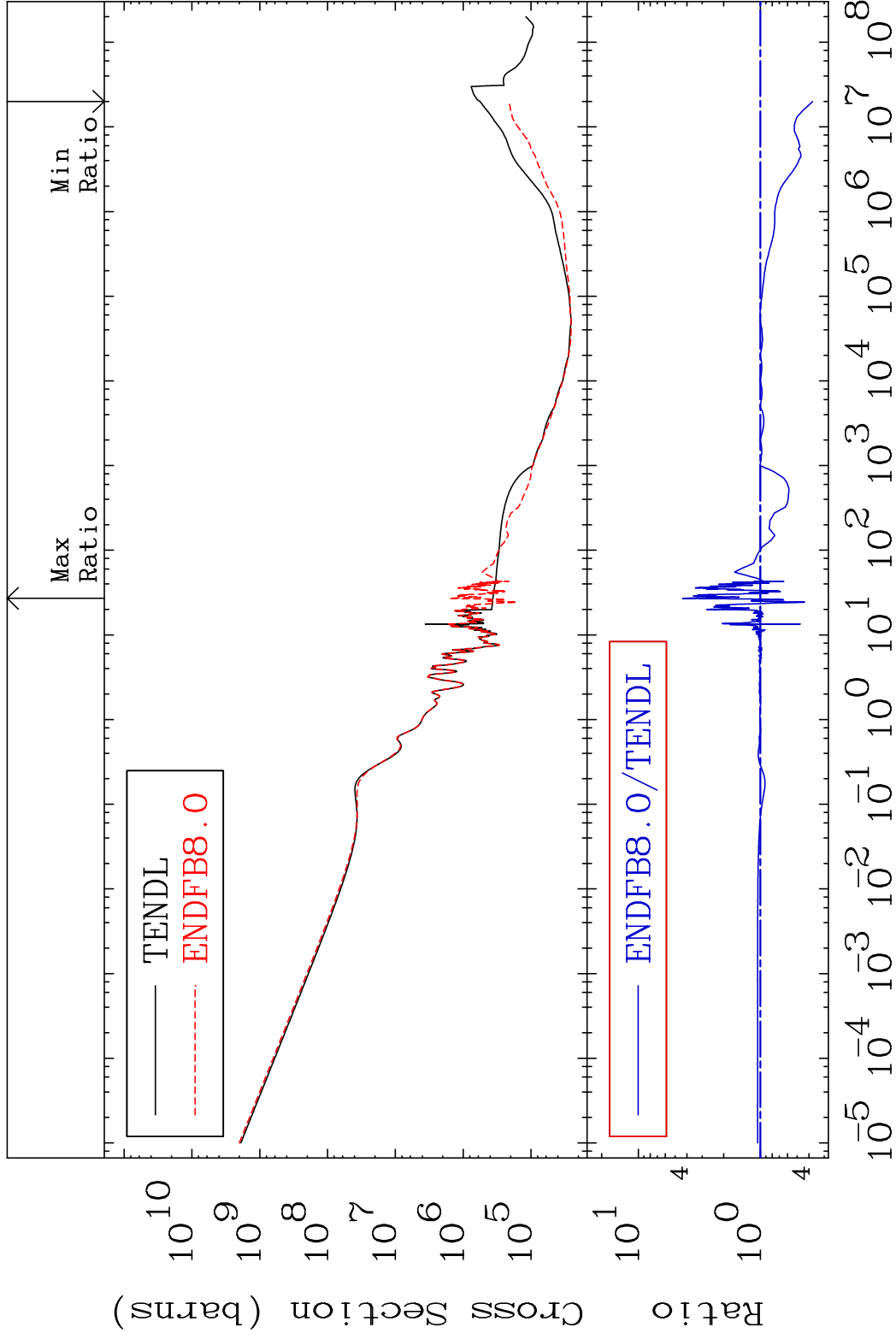


MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -62.67 To 335.7 %



47

Incident Energy (eV)

95-Am-242m



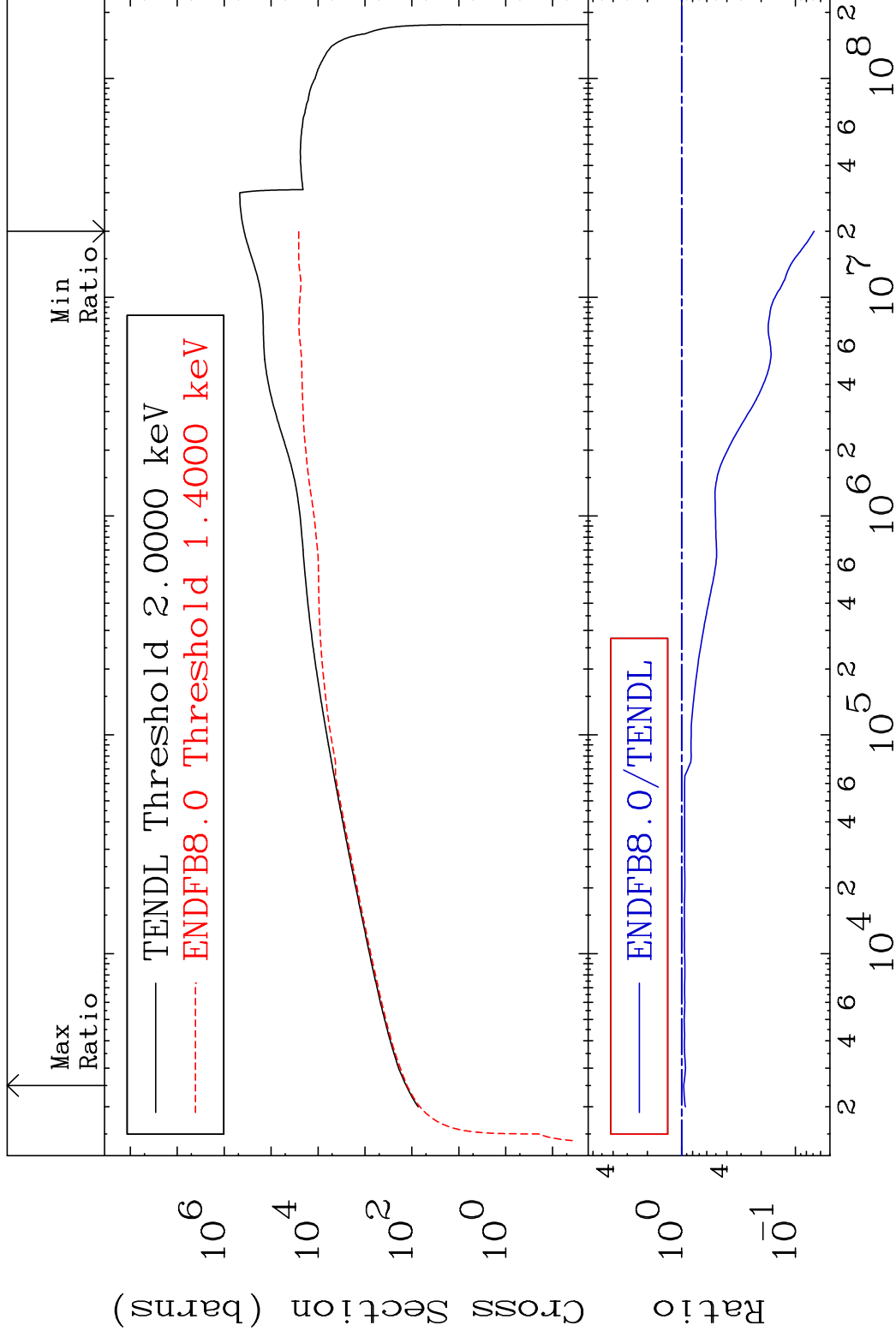
MAT 9547

Dpa elastic (mt2)

95-Am-242m

Cross Section

-93.15 To -4.208%



48

Incident Energy (eV)

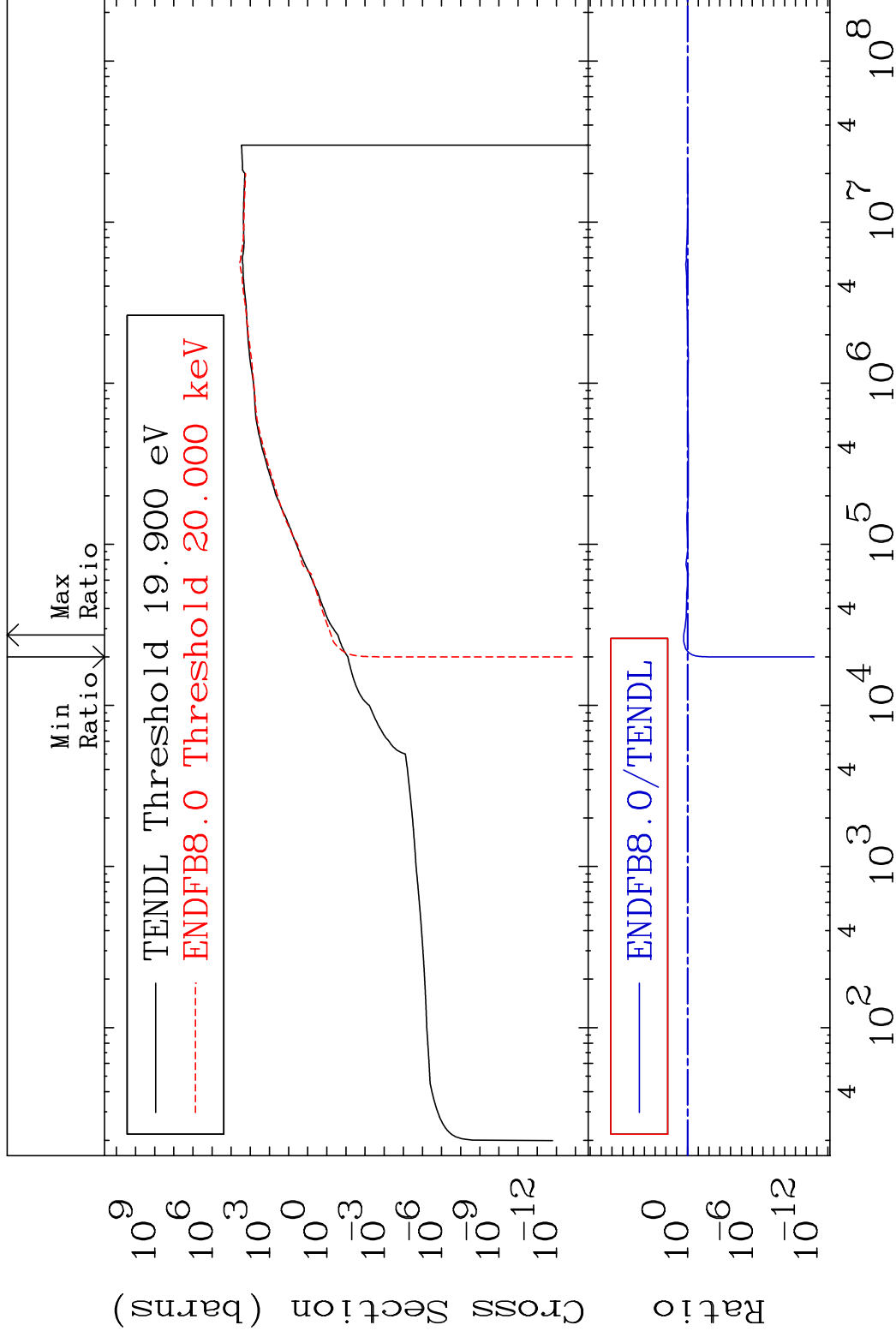
95-Am-242m

MAT 9547

Dpa inelastic (mt51-91)

95-Am-242m

Cross Section -100.0 To 125.4 %

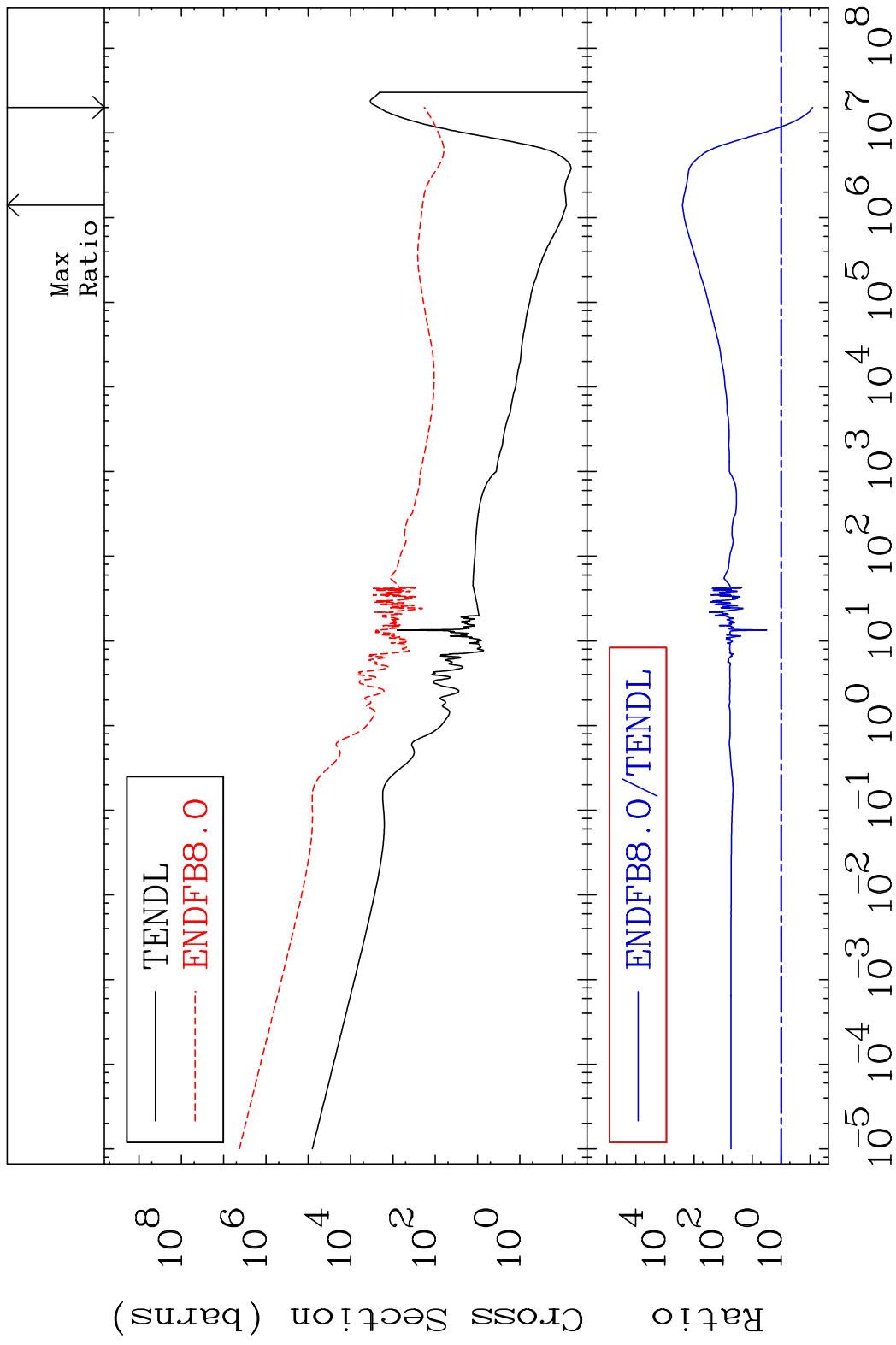


49

Incident Energy (eV)

95-Am-242m

MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m  
 Cross Section -91.72 To 9999. %



50 Incident Energy (eV) 95-Am-242m