

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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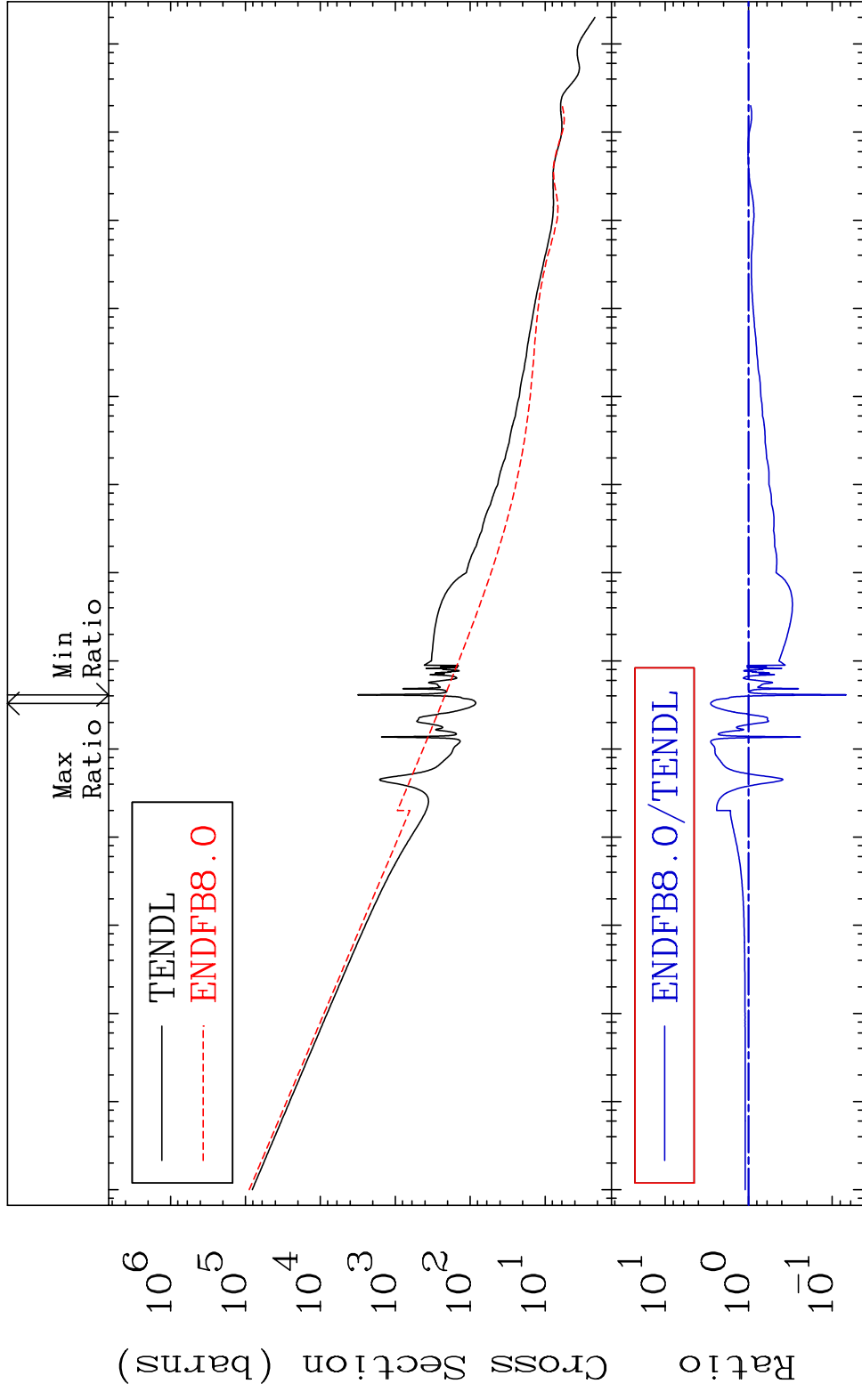
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9540

Total
Cross Section -93.23 To 184.2 %

95-Am-240



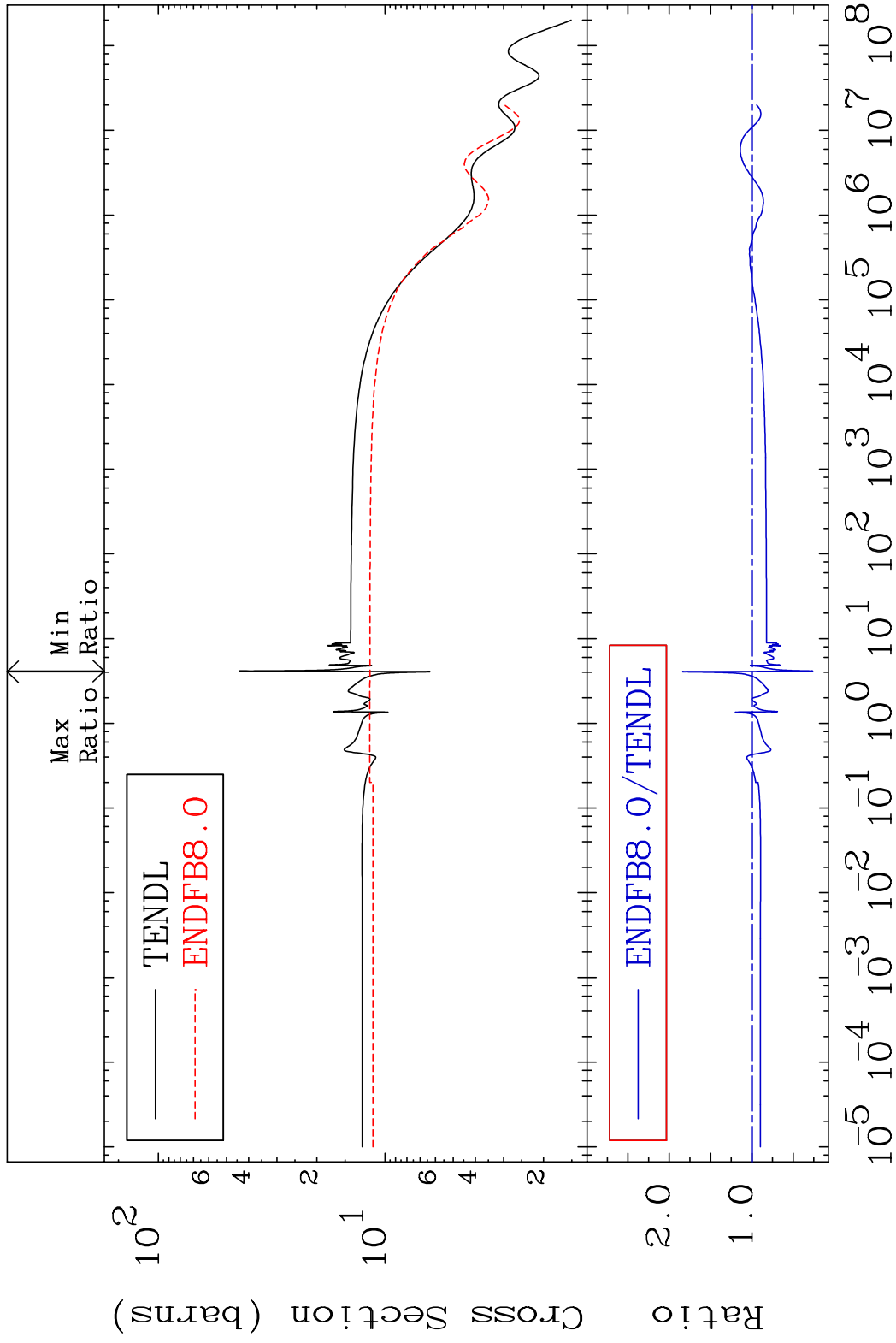
1 Incident Energy (eV) 95-Am-240

MAT 9540

Elastic

95-Am-240

Cross Section -73.45 To 84.13 %

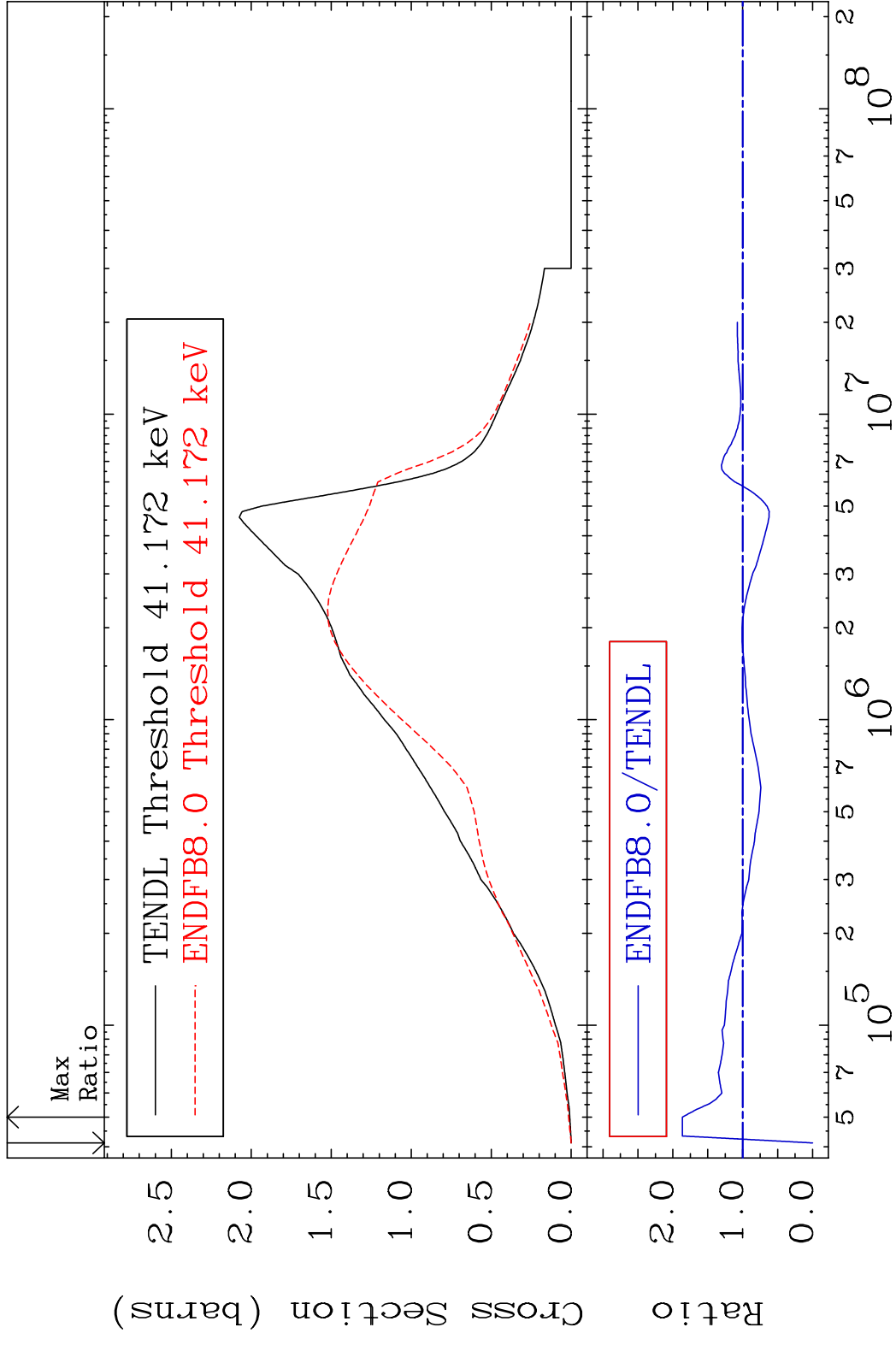


2

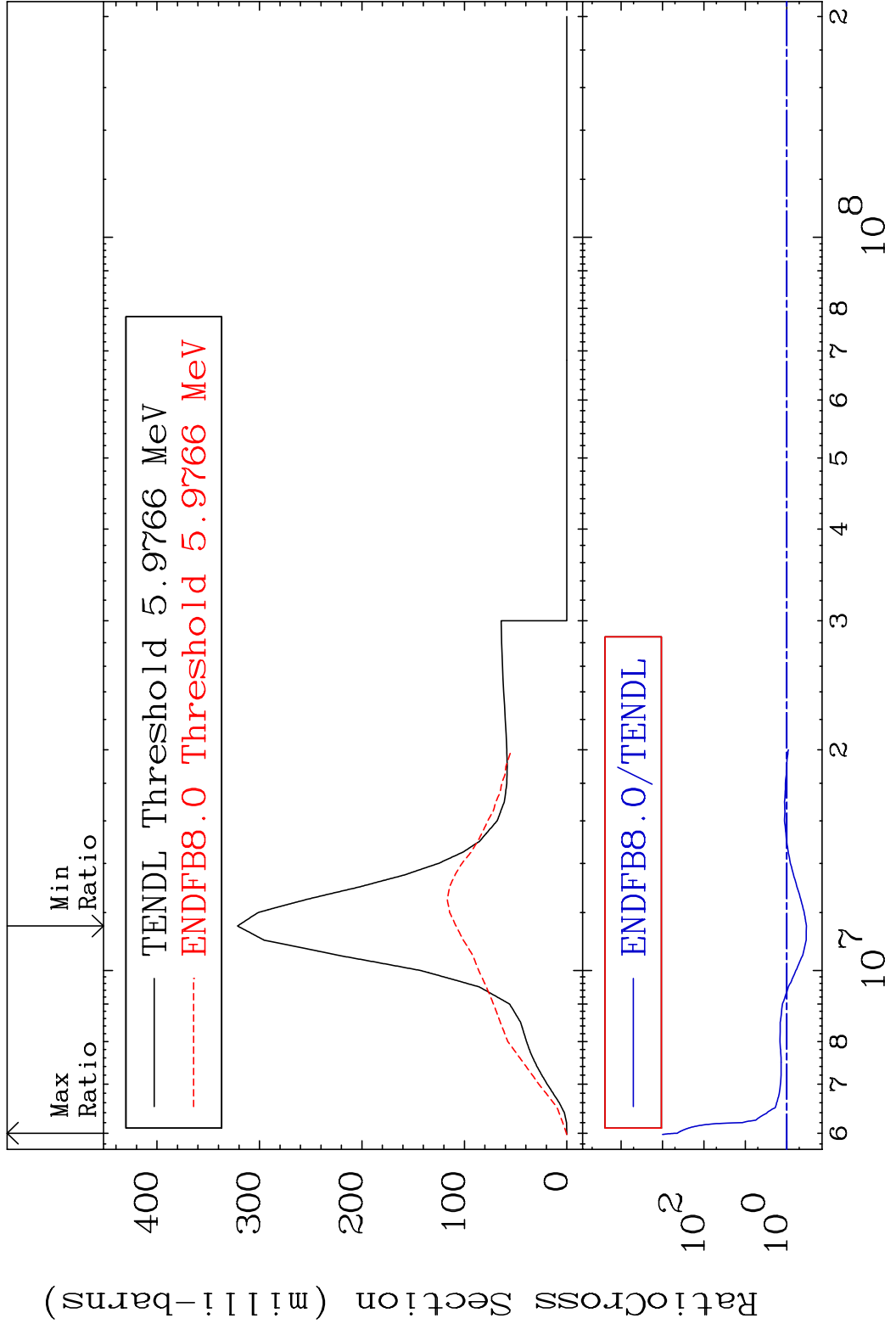
Incident Energy (eV)

95-Am-240

MAT 9540 Inelastic 95-Am-240
 Cross Section -100.0 To 86.40 %



MAT 9540 (n,2n) 95-Am-240
 Cross Section -66.35 To 9999. %



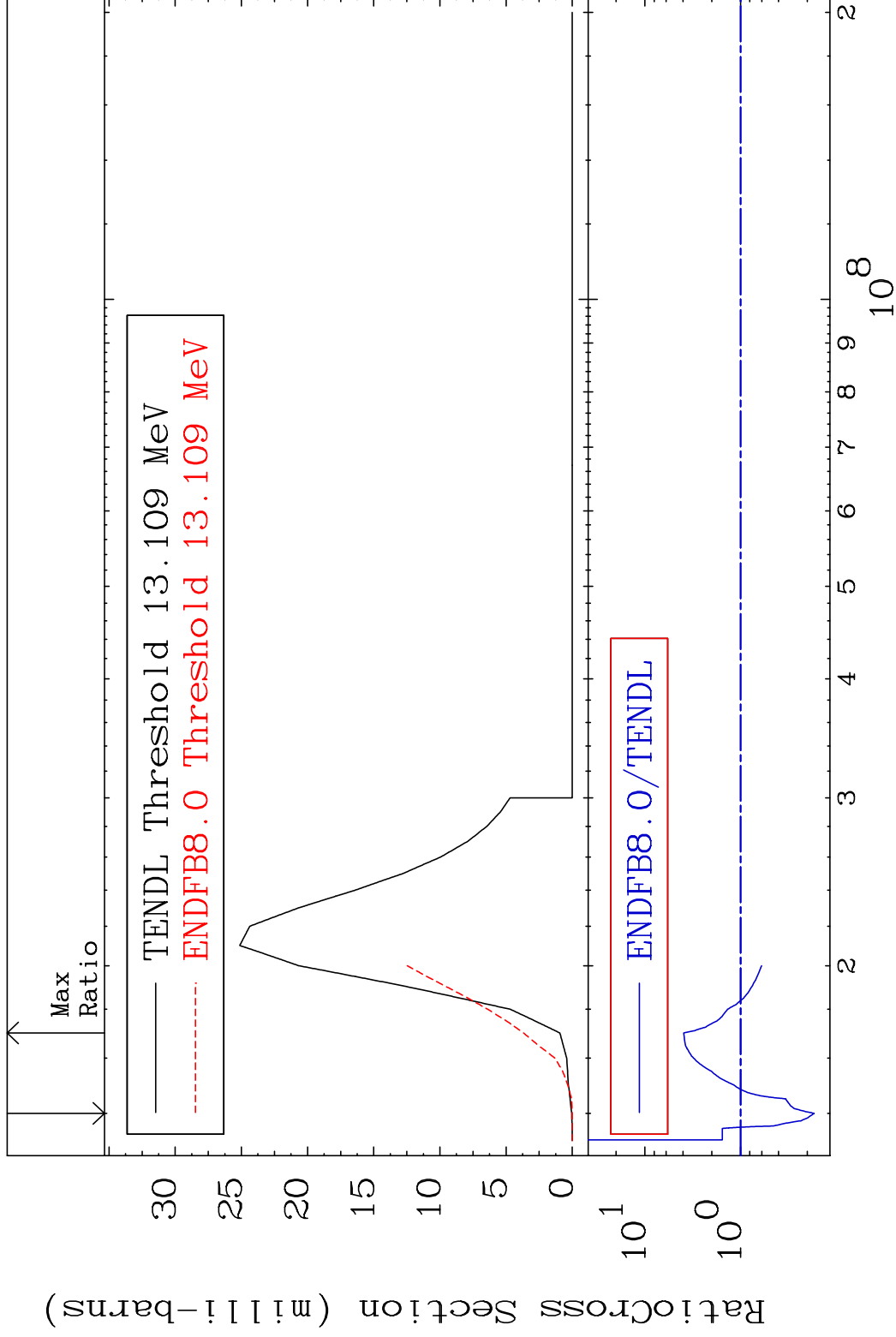
4 95-Am-240

MAT 9540

(n,3n)

95-Am-240

Cross Section -82.97 To 292.9 %



5

Incident Energy (eV)

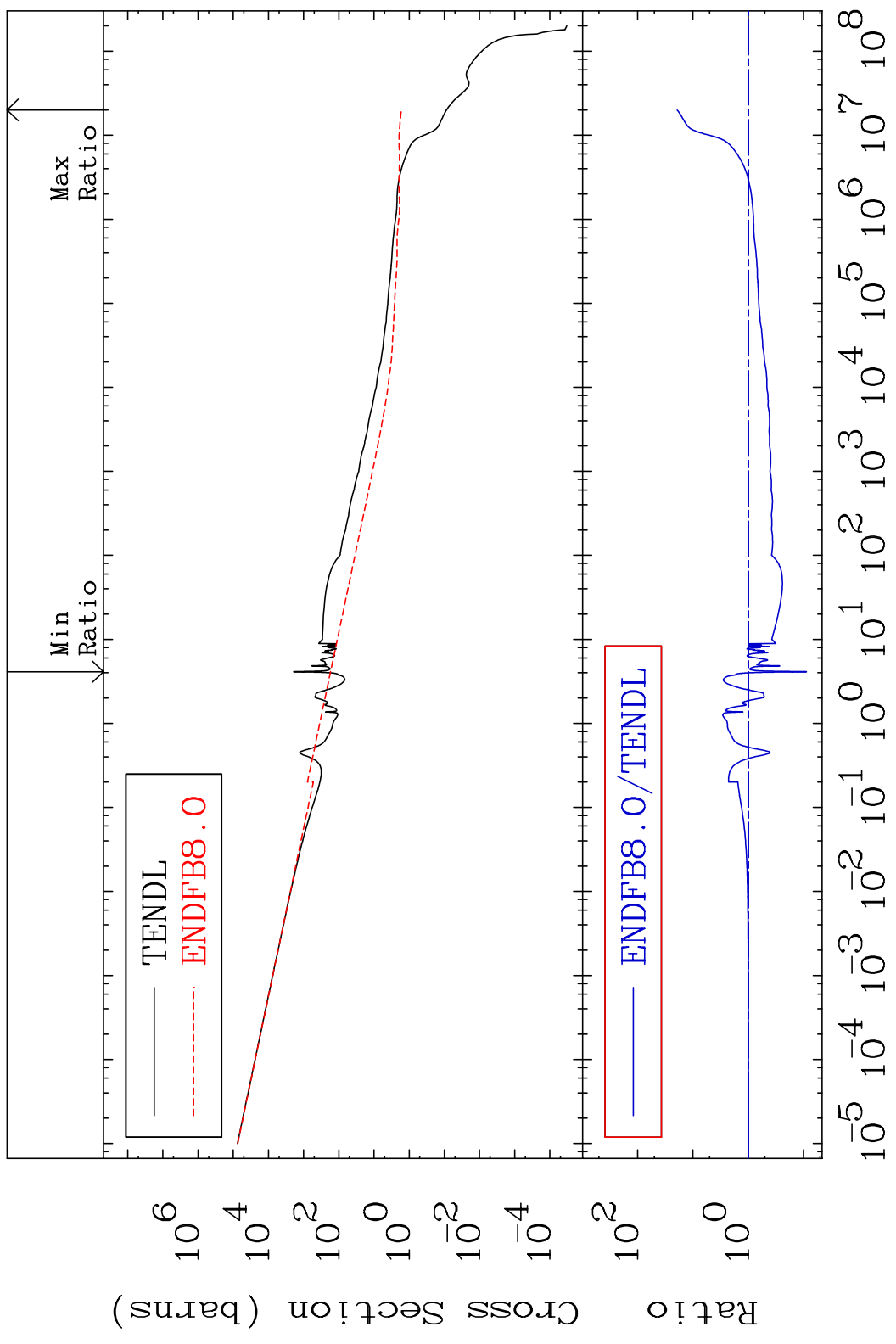
95-Am-240

MAT 9540

(n,f) First Chance

95-Am-240

Cross Section -91.15 To 1825. %



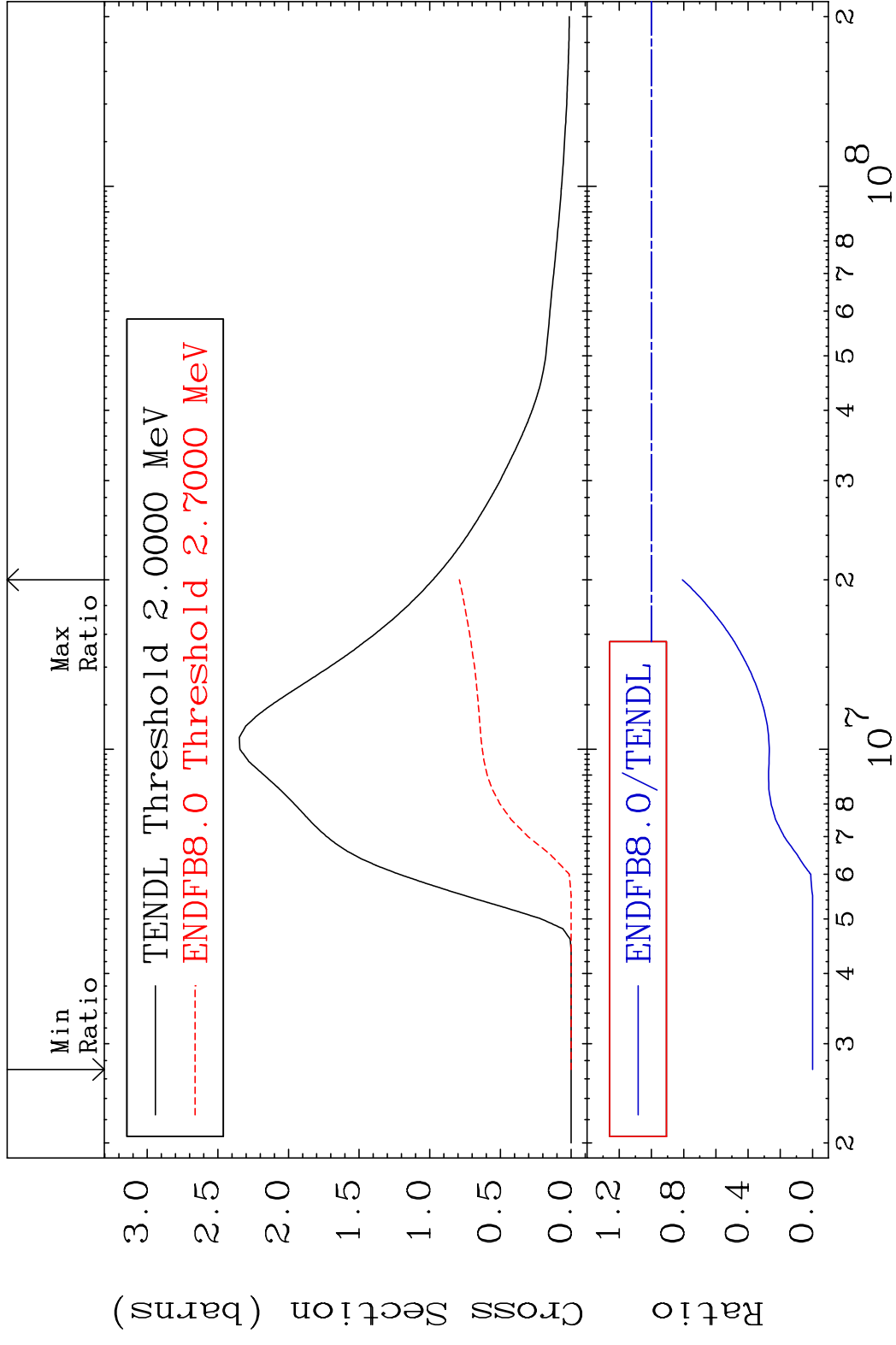
7

Incident Energy (eV)

95-Am-240

MAT 9540

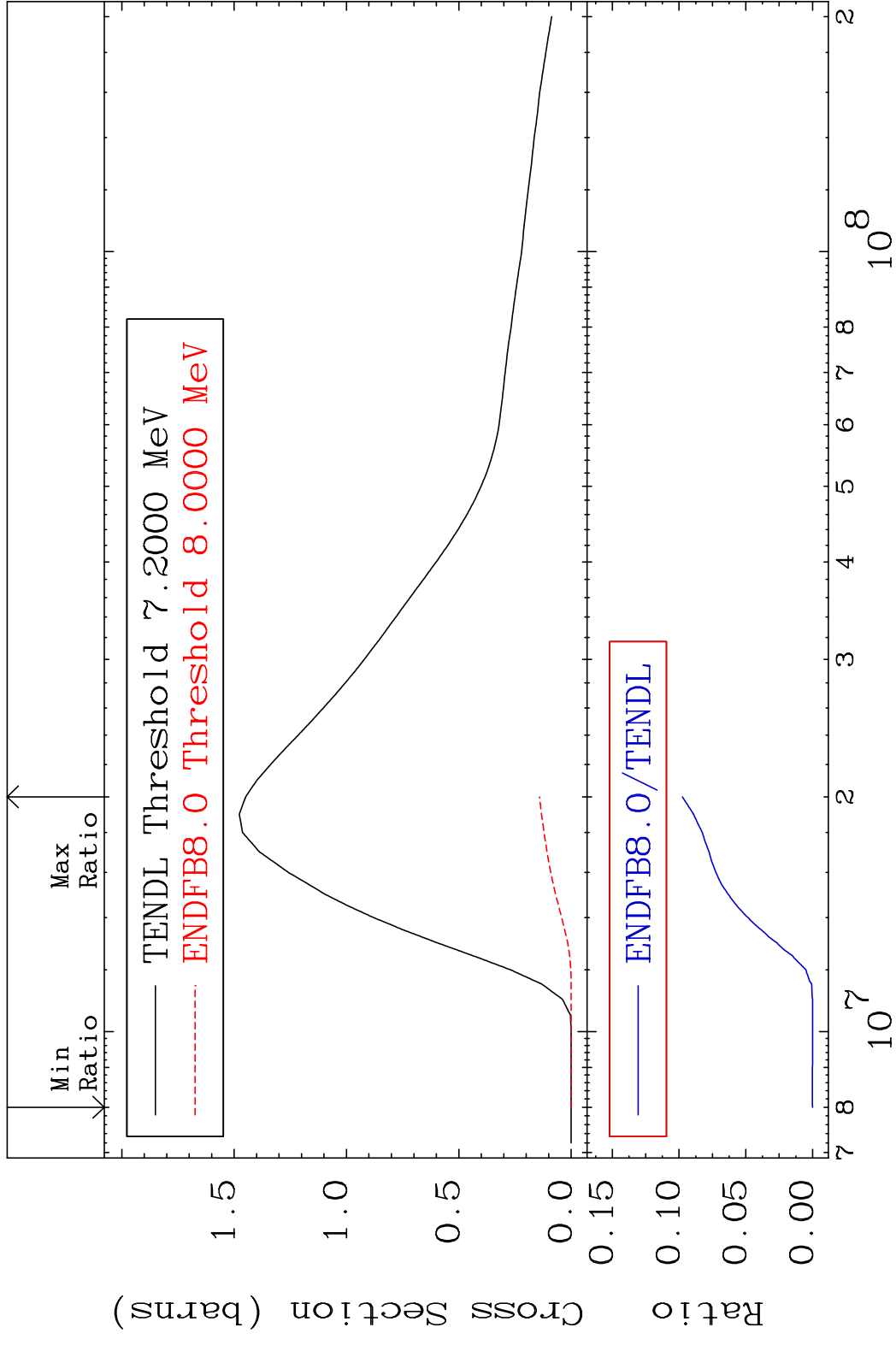
(n, nf) Second Chance 95-Am-240
Cross Section -100.0 To -19.20%



8

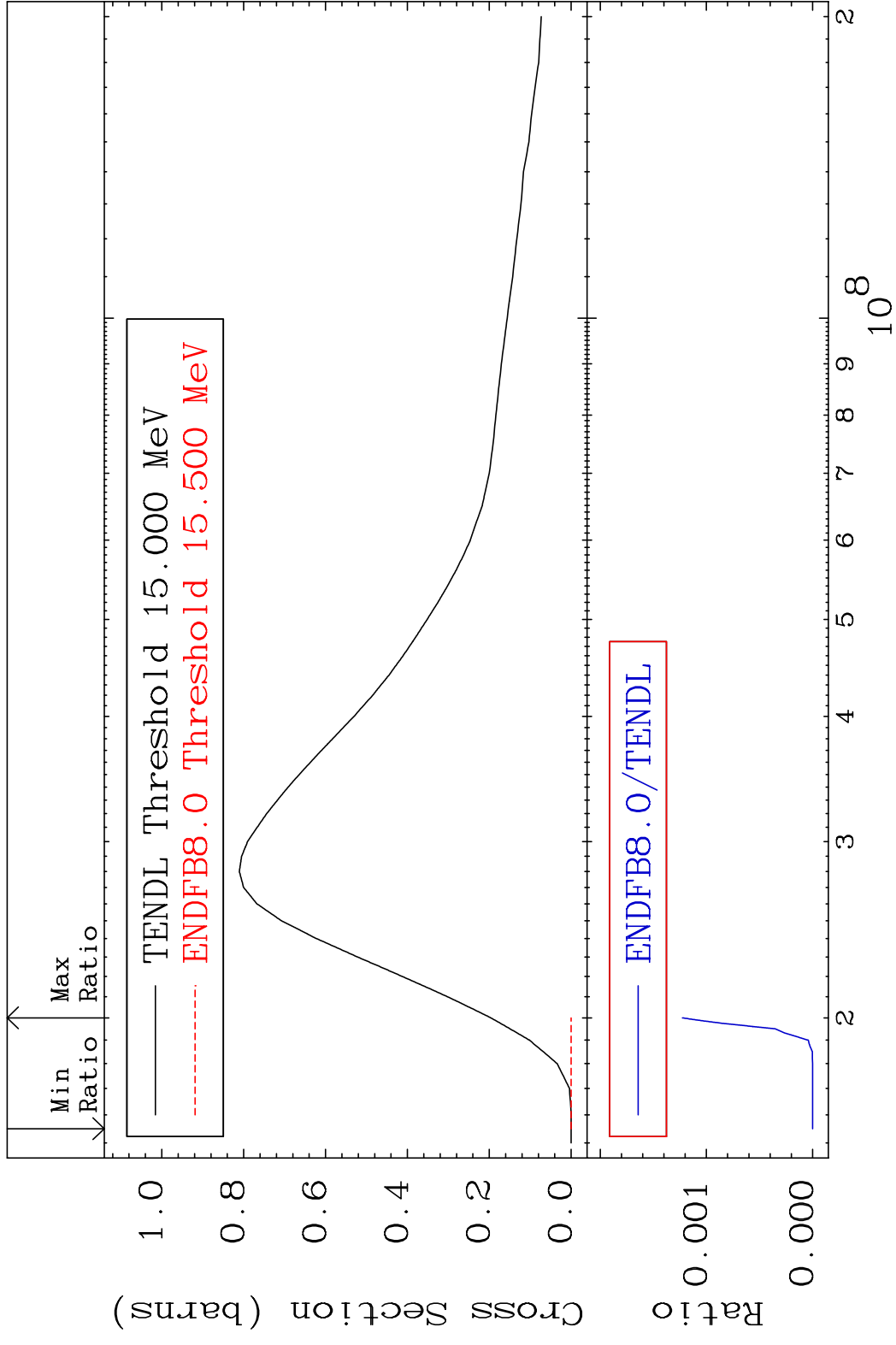
Incident Energy (eV) 95-Am-240

MAT 9540 (n,2nf) Third Chance 95-Am-240
 Cross Section -100.0 To -90.25%



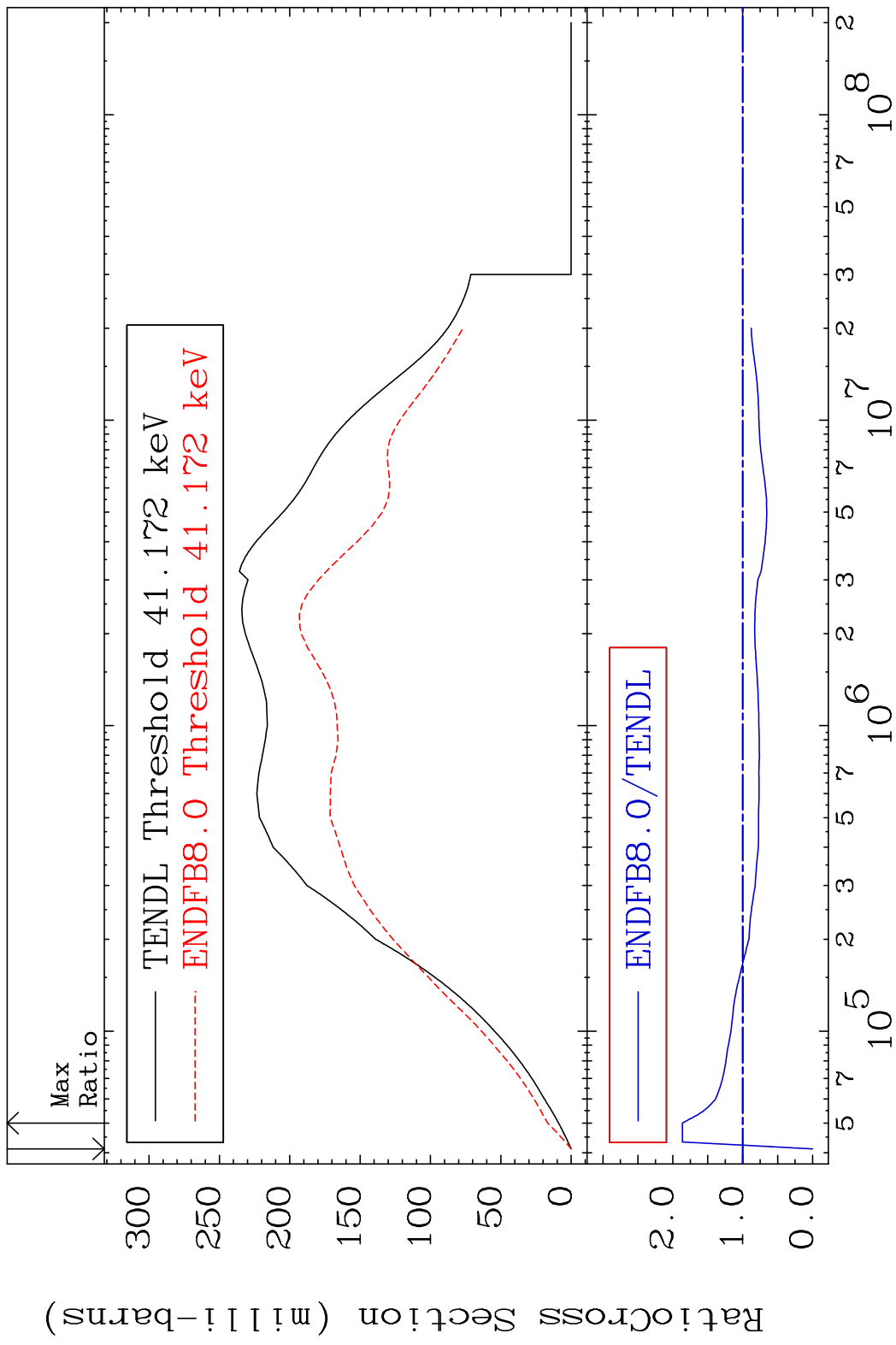
9 Incident Energy (eV) 95-Am-240

MAT 9540 (n,3nf) Fourth Chance 95-Am-240
 Cross Section -100.0 To -99.88%

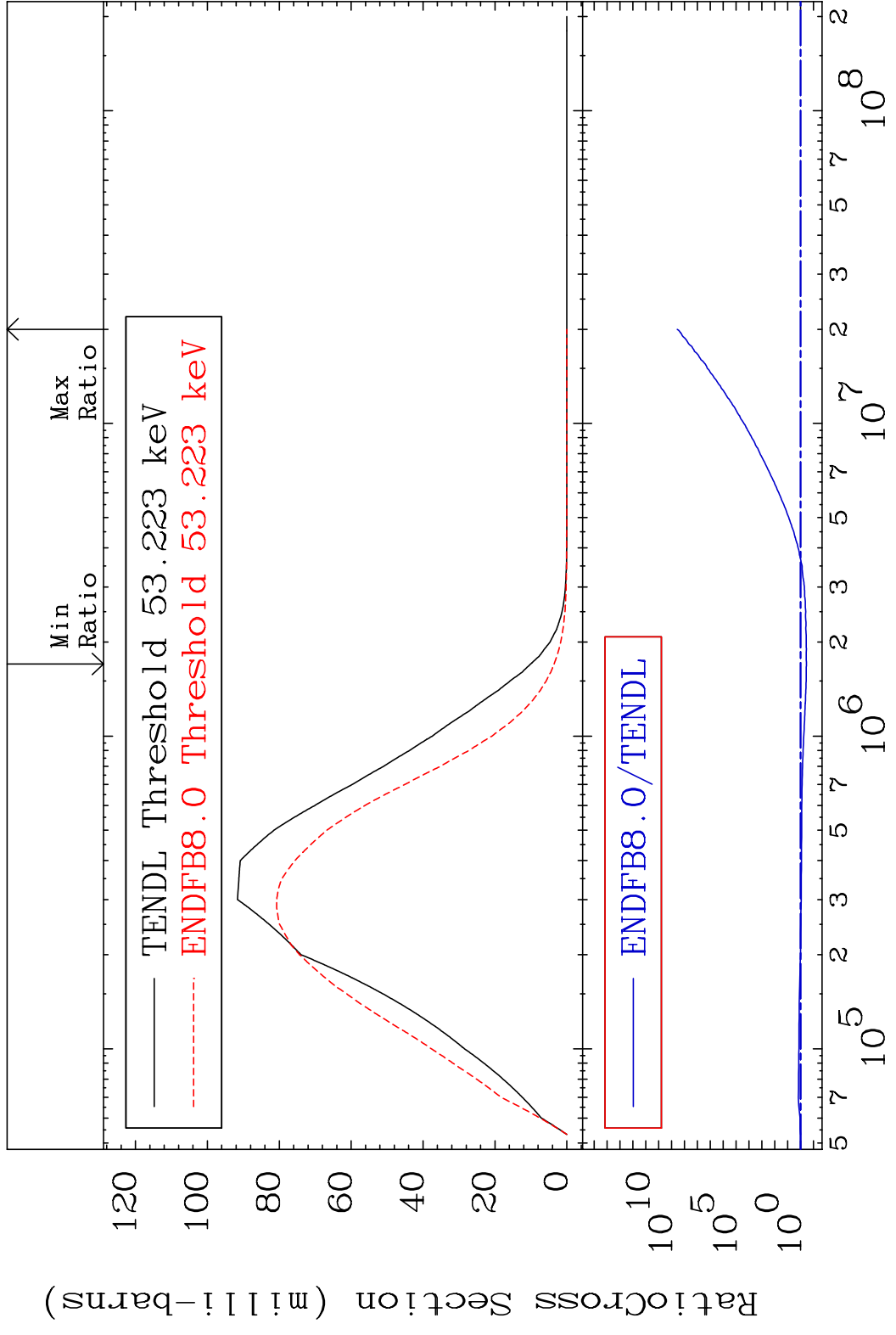


10 Incident Energy (eV) 95-Am-240

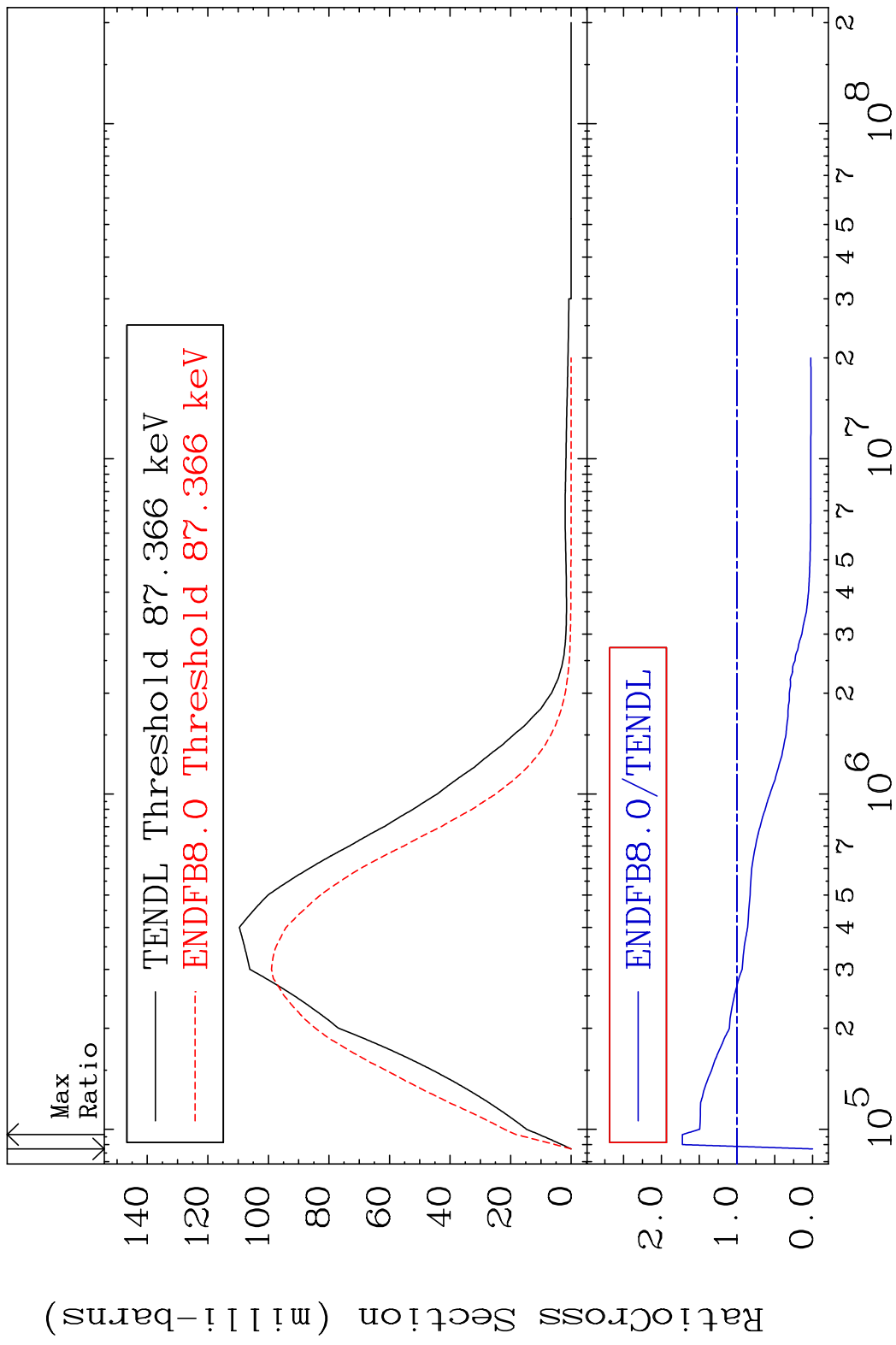
MAT 9540 MT= 51 (n,n') Level 95-Am-240
 Cross Section -100.0 To 86.40 %



MAT 9540 MT= 52 (n, n') Level 95-Am-240
 Cross Section -65.09 To 9999. %

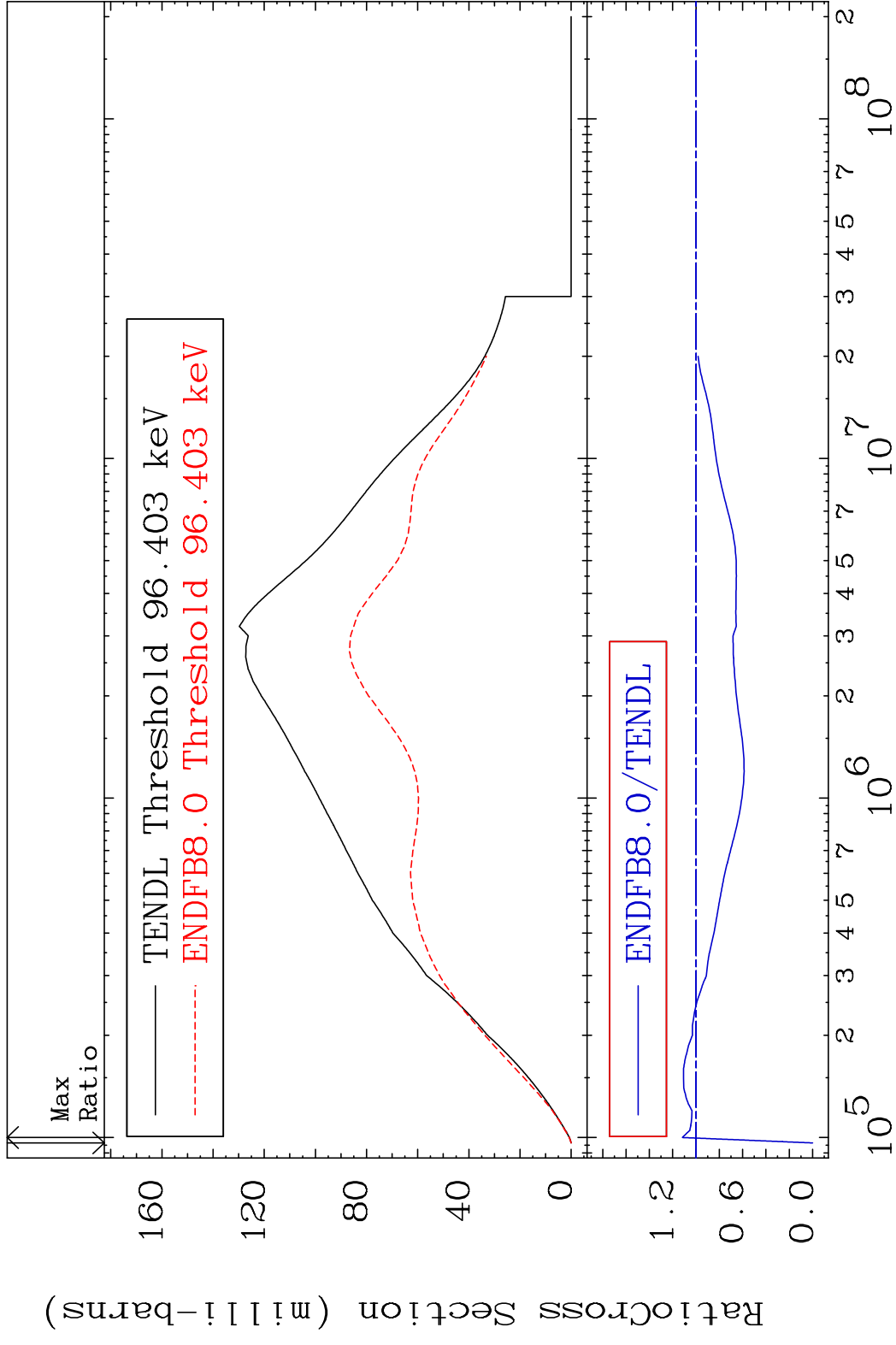


MAT 9540 MT= 53 (n, n') Level 95-Am-240
 Cross Section -100.0 To 72.32 %



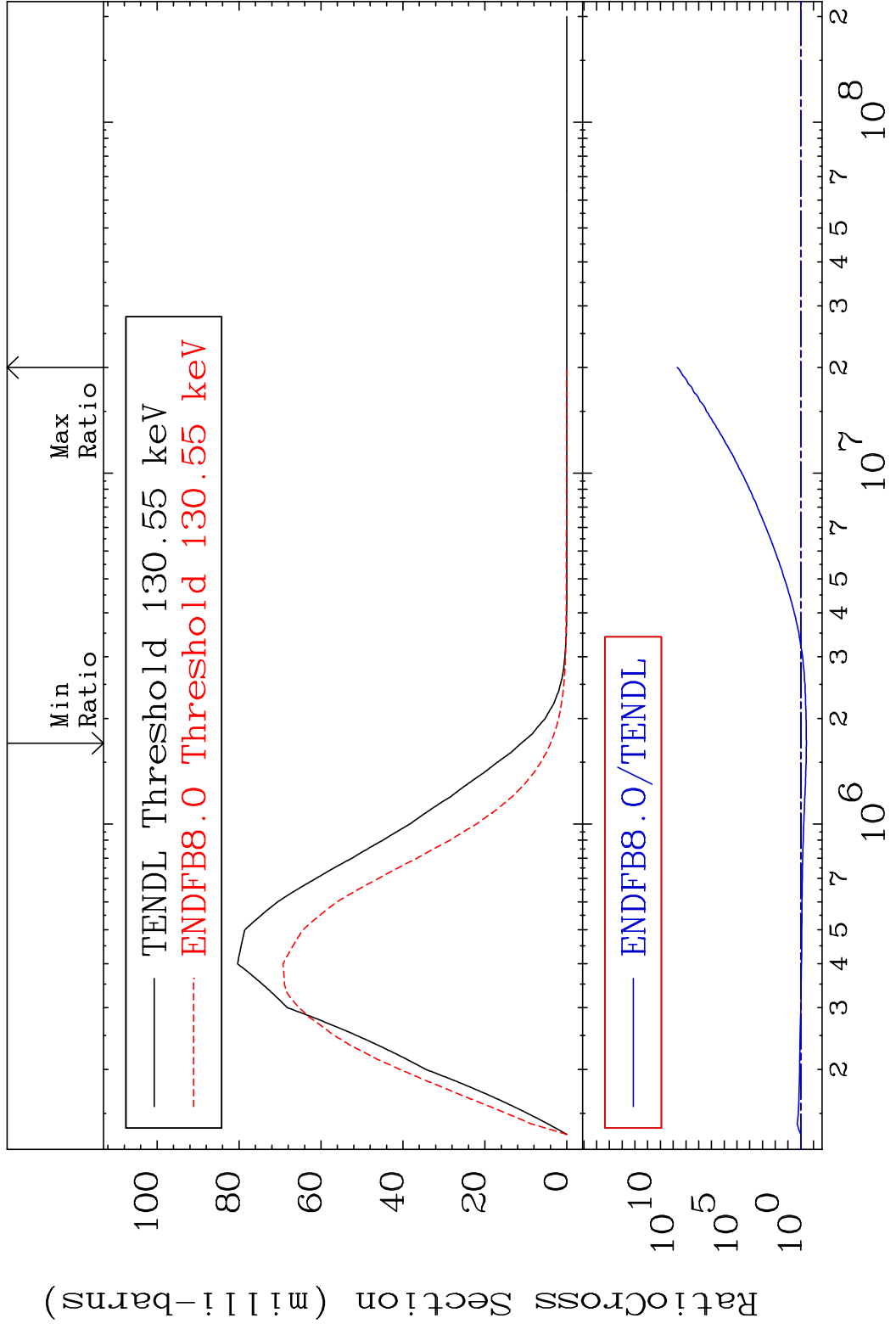
13 Incident Energy (eV) 95-Am-240

MAT 9540 MT= 54 (n,n') Level 95-Am-240
 Cross Section -100.0 To 11.71 %

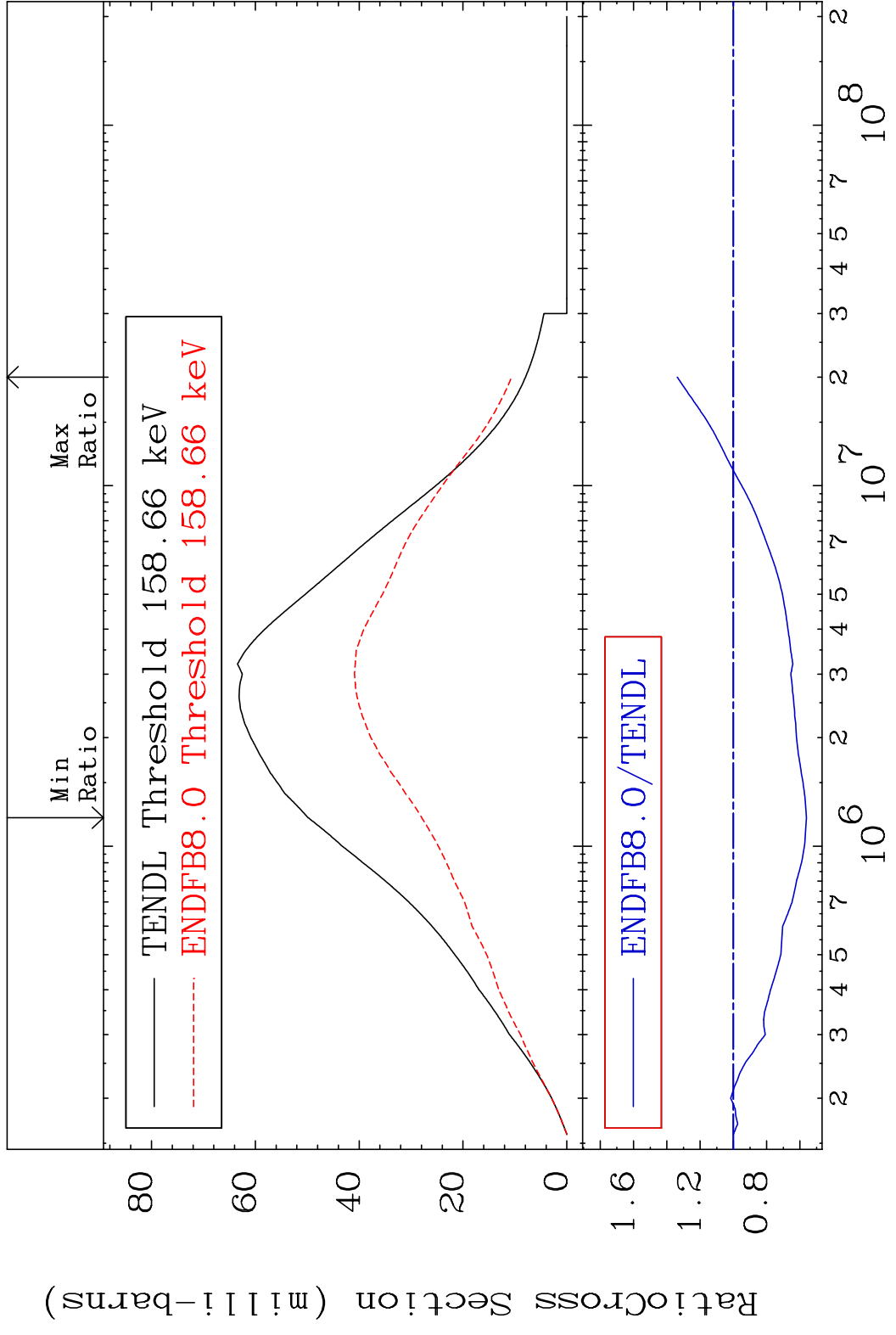


14 Incident Energy (eV) 95-Am-240

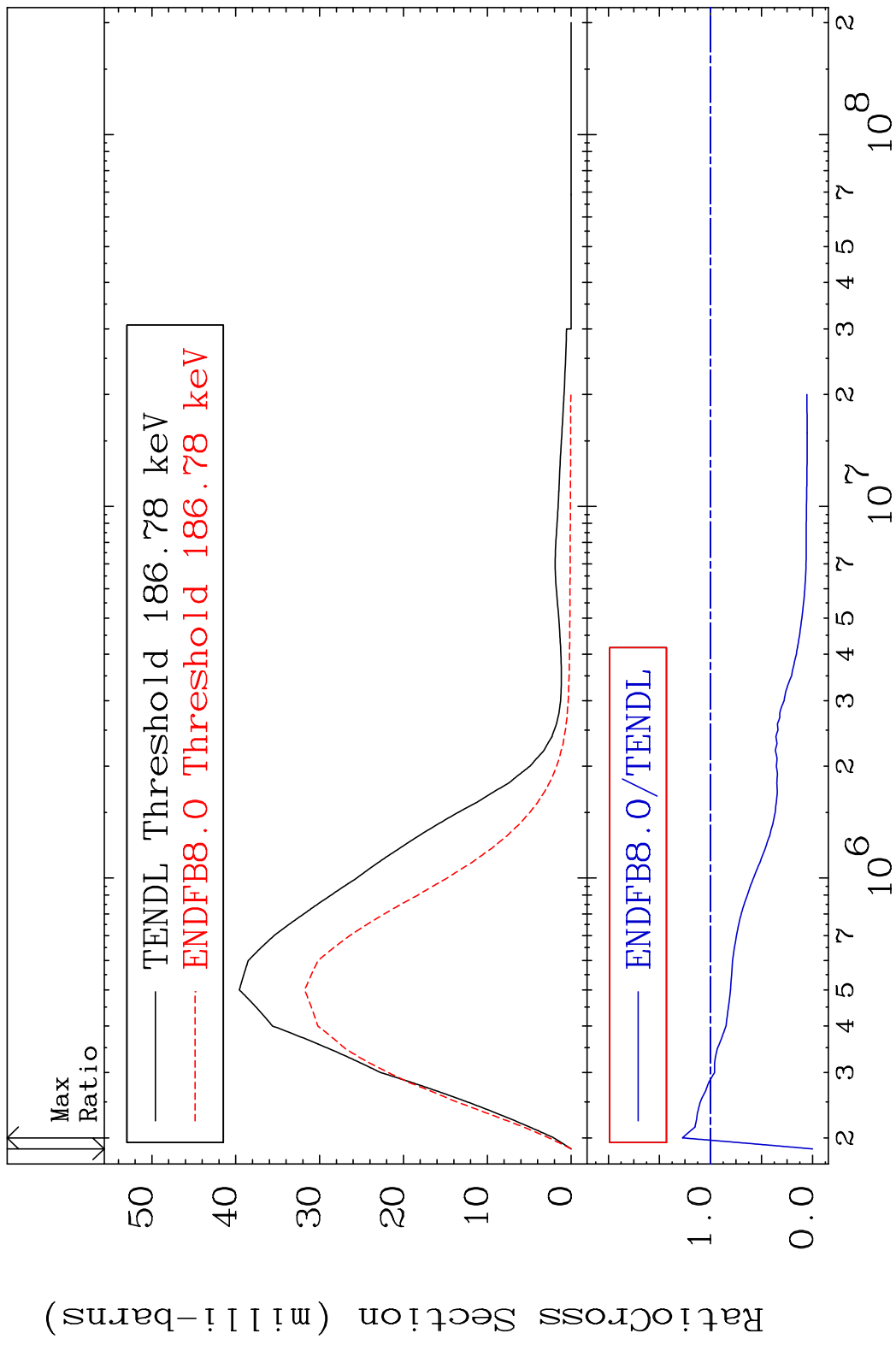
MAT 9540 MT= 55 (n,n') Level 95-Am-240
 Cross Section -64.29 To 9999. %



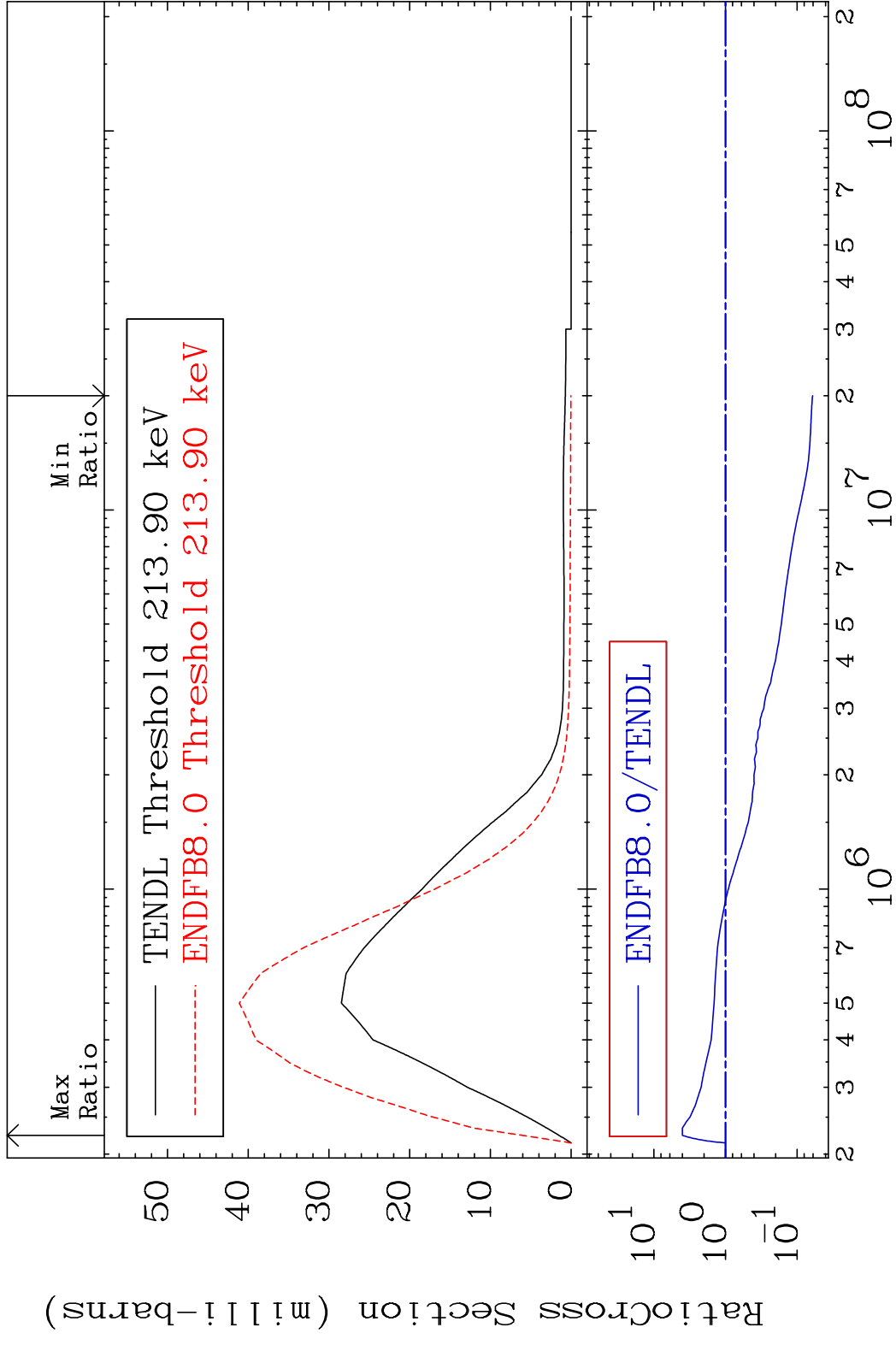
MAT 9540 MT= 56 (n, n') Level 95-Am-240
 Cross Section -43.91 To 33.76 %



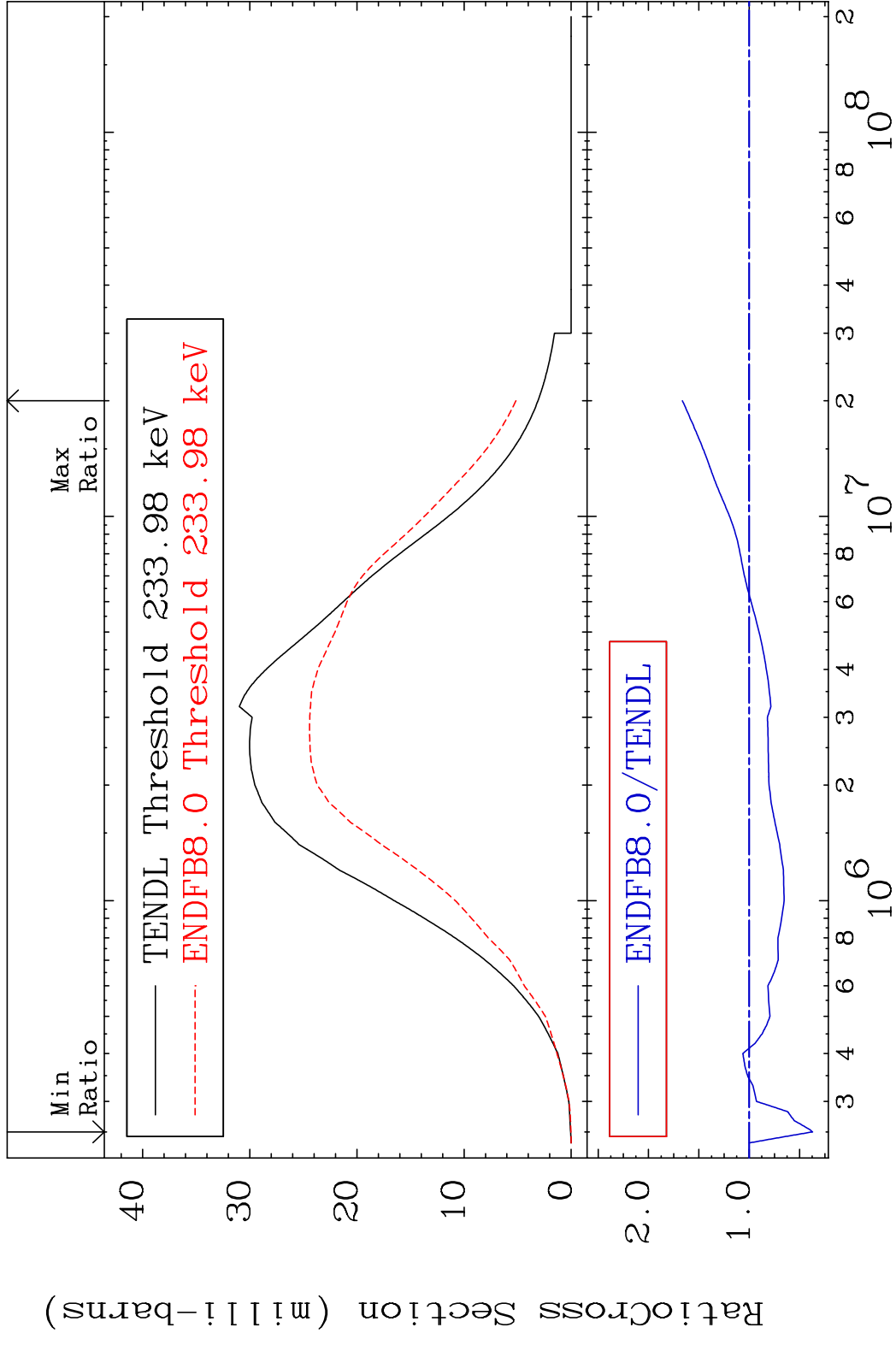
MAT 9540 MT= 57 (n,n') Level 95-Am-240
 Cross Section -100.0 To 27.55 %



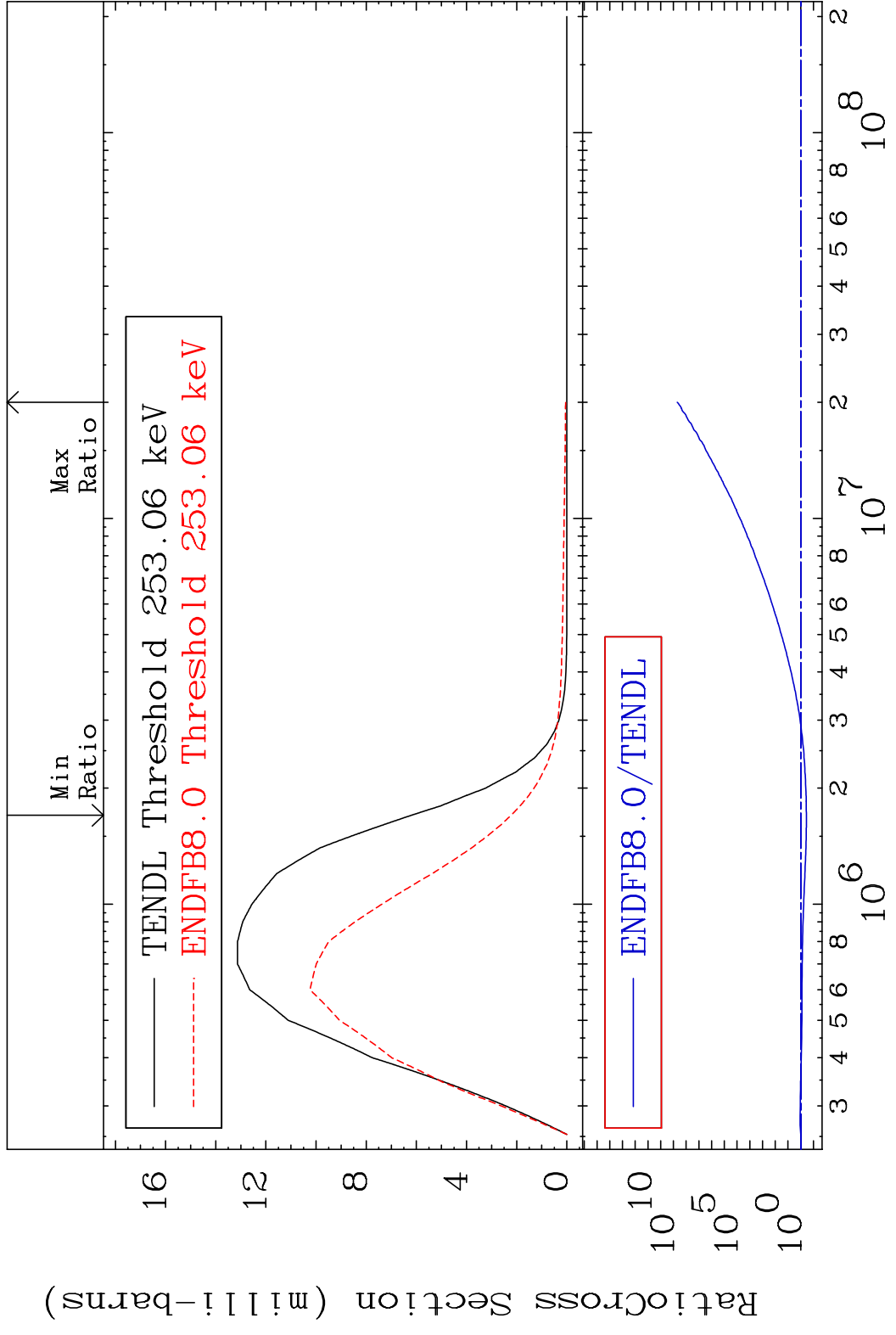
MAT 9540 MT= 58 (n, n') Level 95-Am-240
 Cross Section -93.90 To 301.6 %



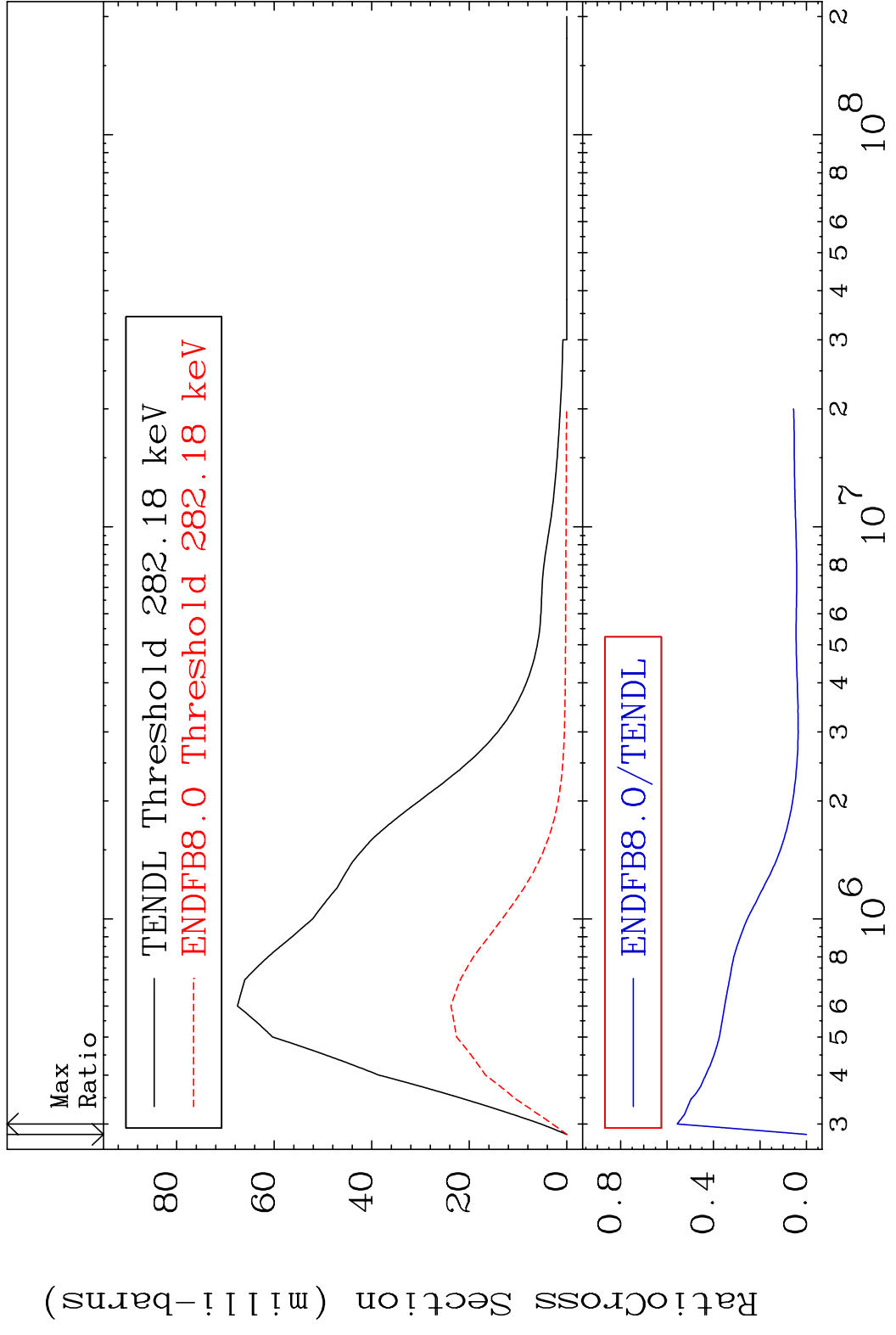
MAT 9540 MT= 59 (n, n') Level 95-Am-240
 Cross Section -62.83 To 66.40 %



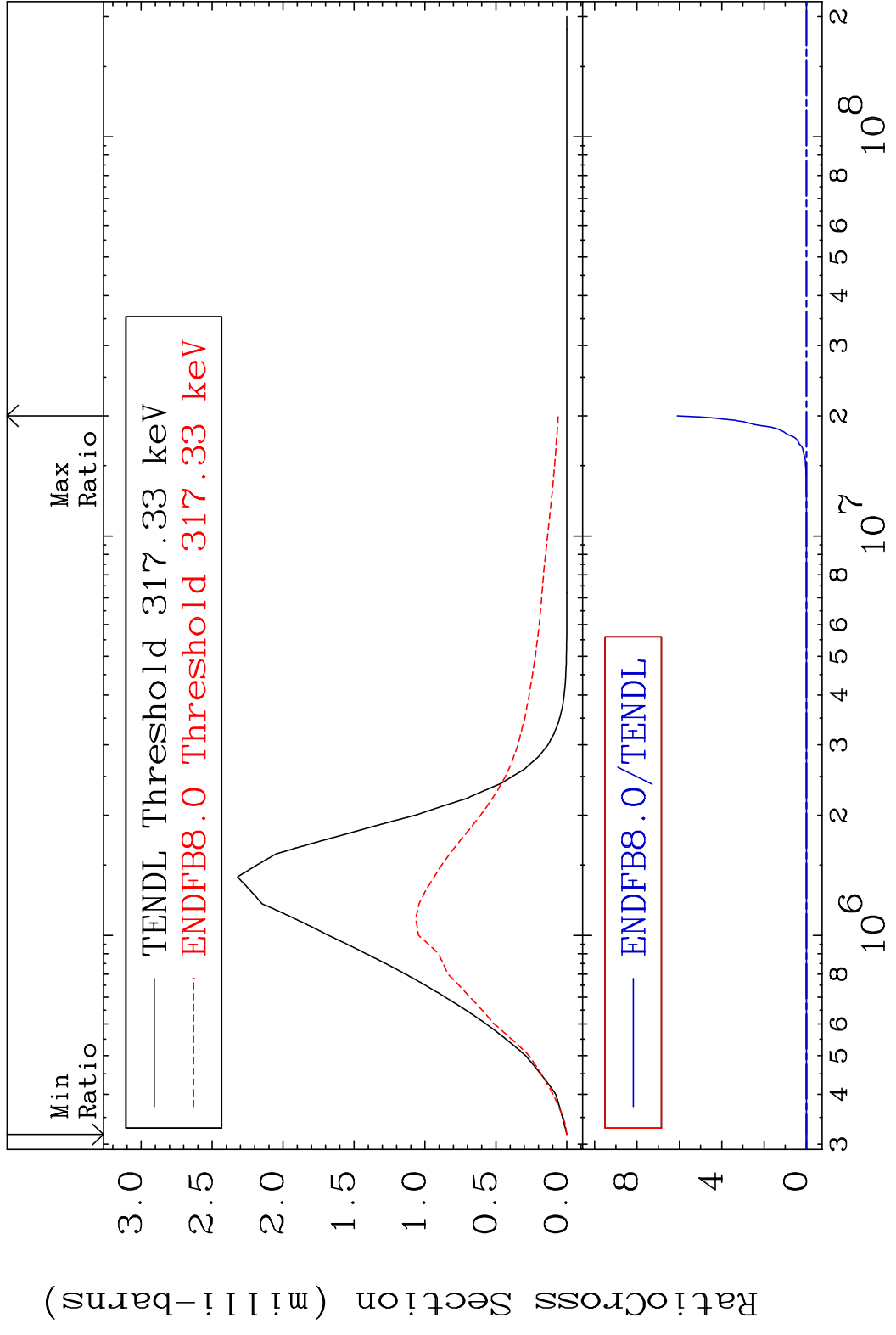
MAT 9540 MT= 60 (n, n') Level 95-Am-240
 Cross Section -64.21 To 9999. %



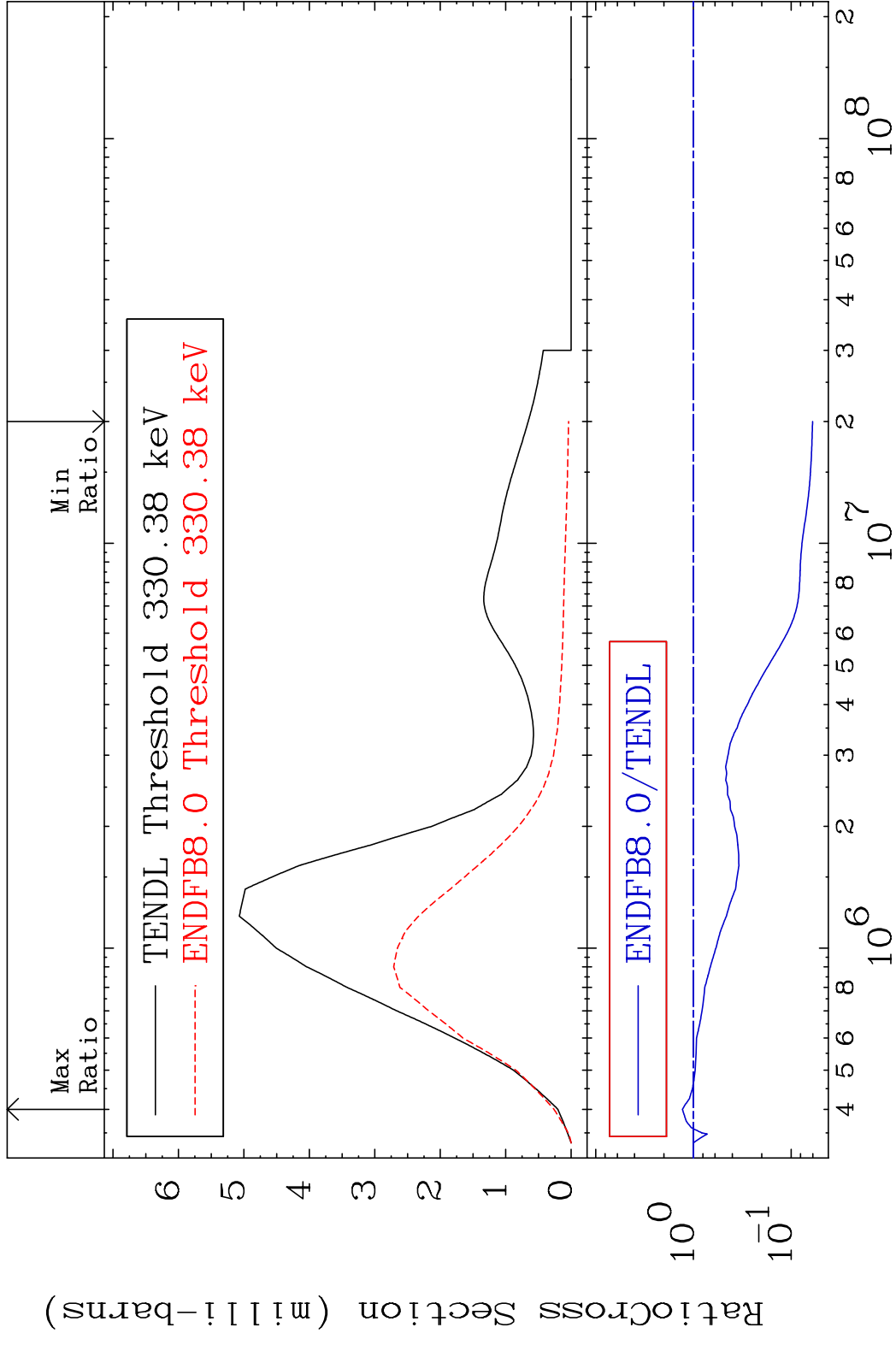
MAT 9540 MT= 61 (n,n') Level 95-Am-240
 Cross Section -100.0 To -44.37%



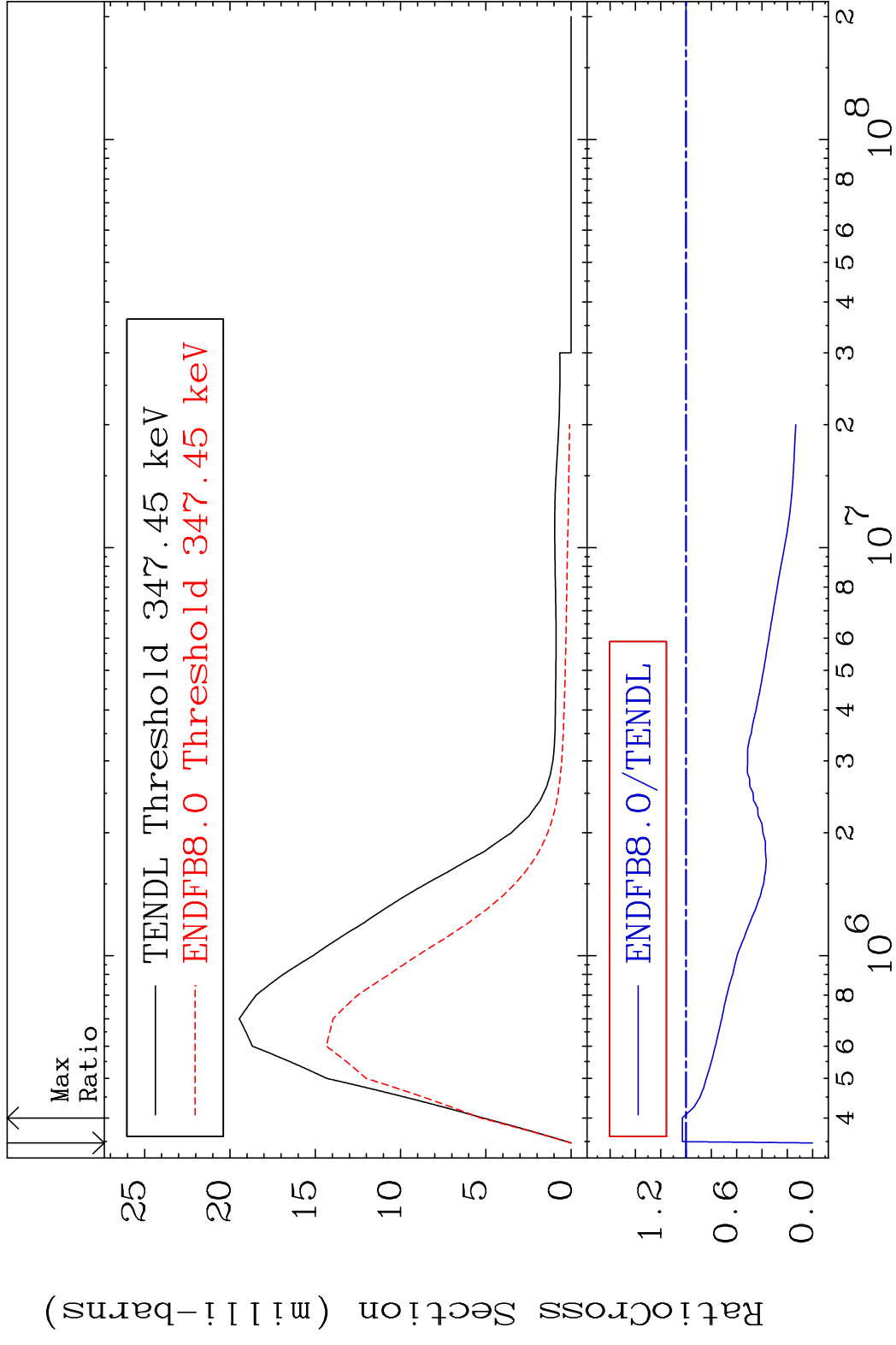
MAT 9540 MT= 62 (n, n') Level 95-Am-240
 Cross Section -100.0 To 9999. %



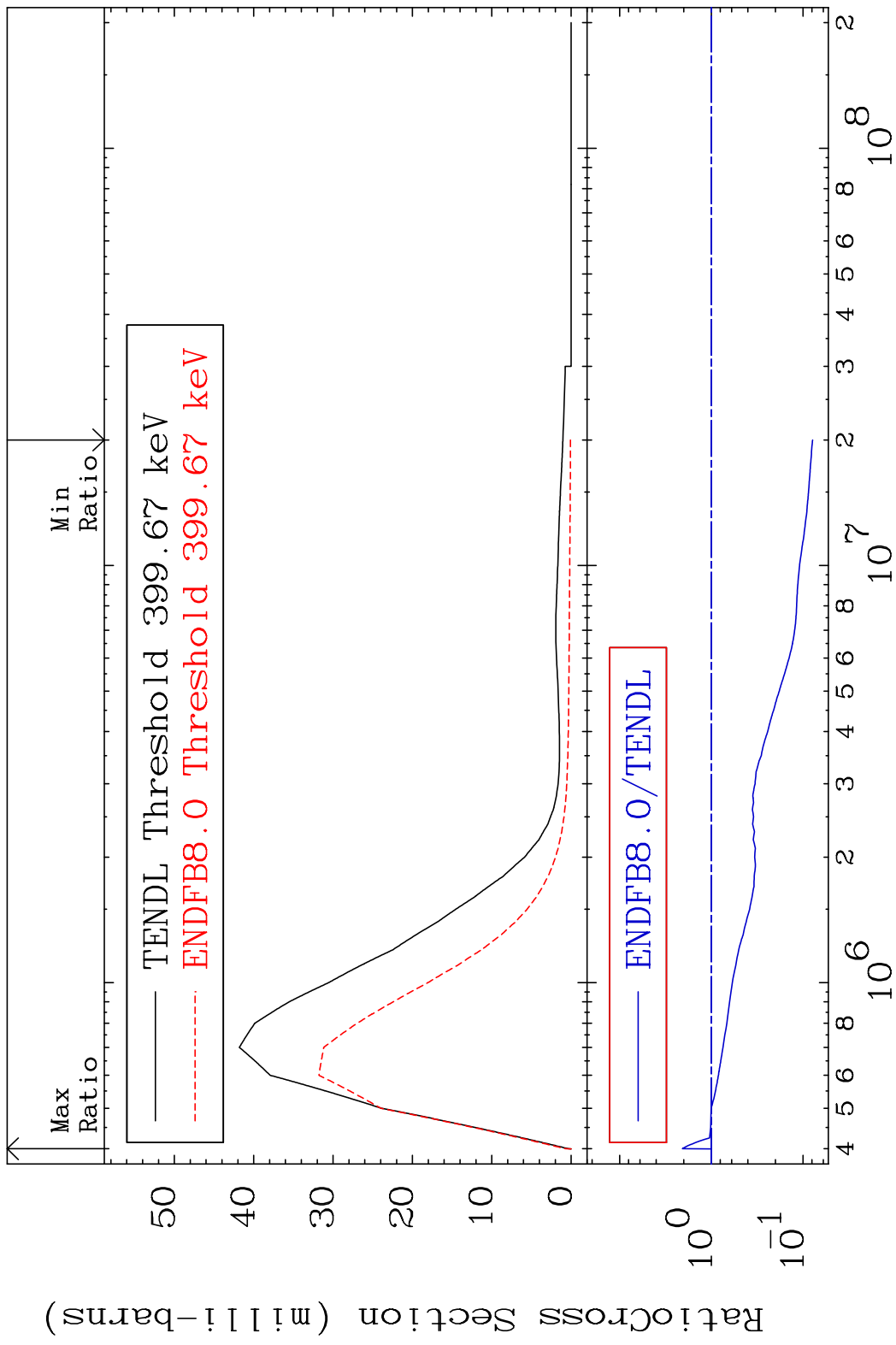
MAT 9540 MT= 63 (n, n') Level 95-Am-240
 Cross Section -93.97 To 29.68 %



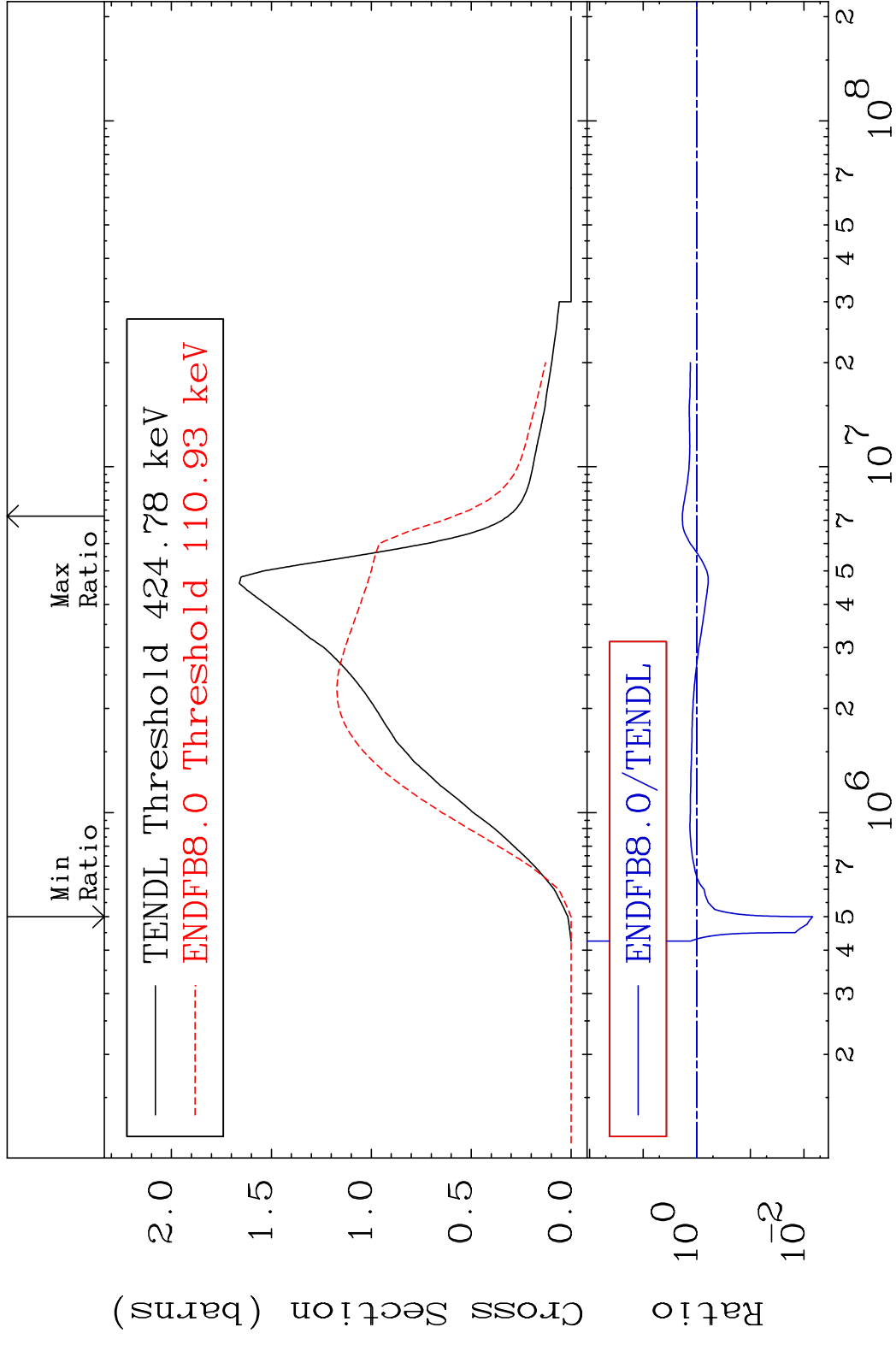
MAT 9540 MT= 64 (n, n') Level 95-Am-240
 Cross Section -100.0 To 2.853 %



MAT 9540 MT= 65 (n,n') Level 95-Am-240
 Cross Section -92.12 To 107.1 %



MAT 9540 (n,n') Continuum 95-Am-240
 Cross Section -99.31 To 85.72 %

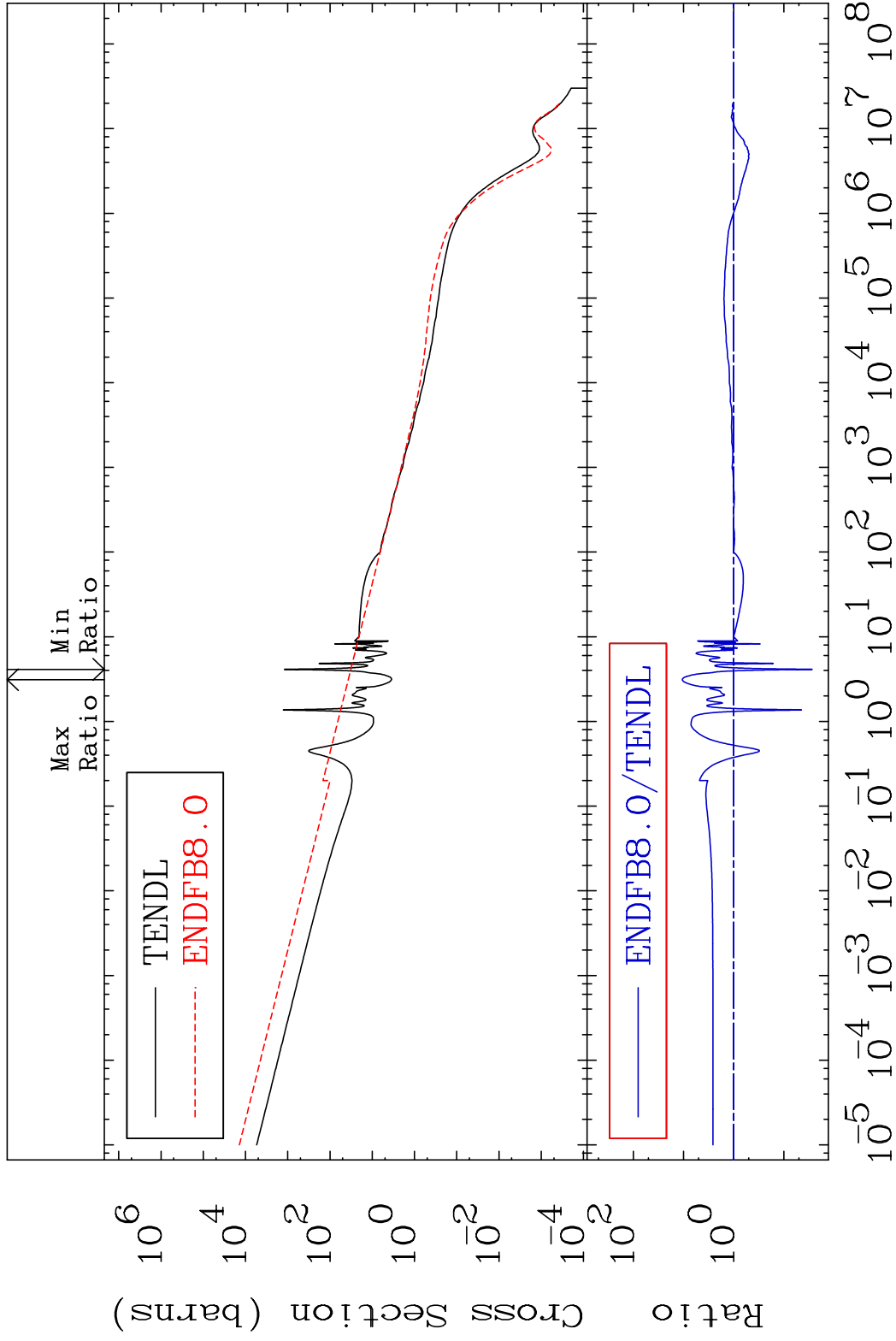


MAT 9540

(n, γ)

95-Am-240

Cross Section -97.33 To 956.9 %

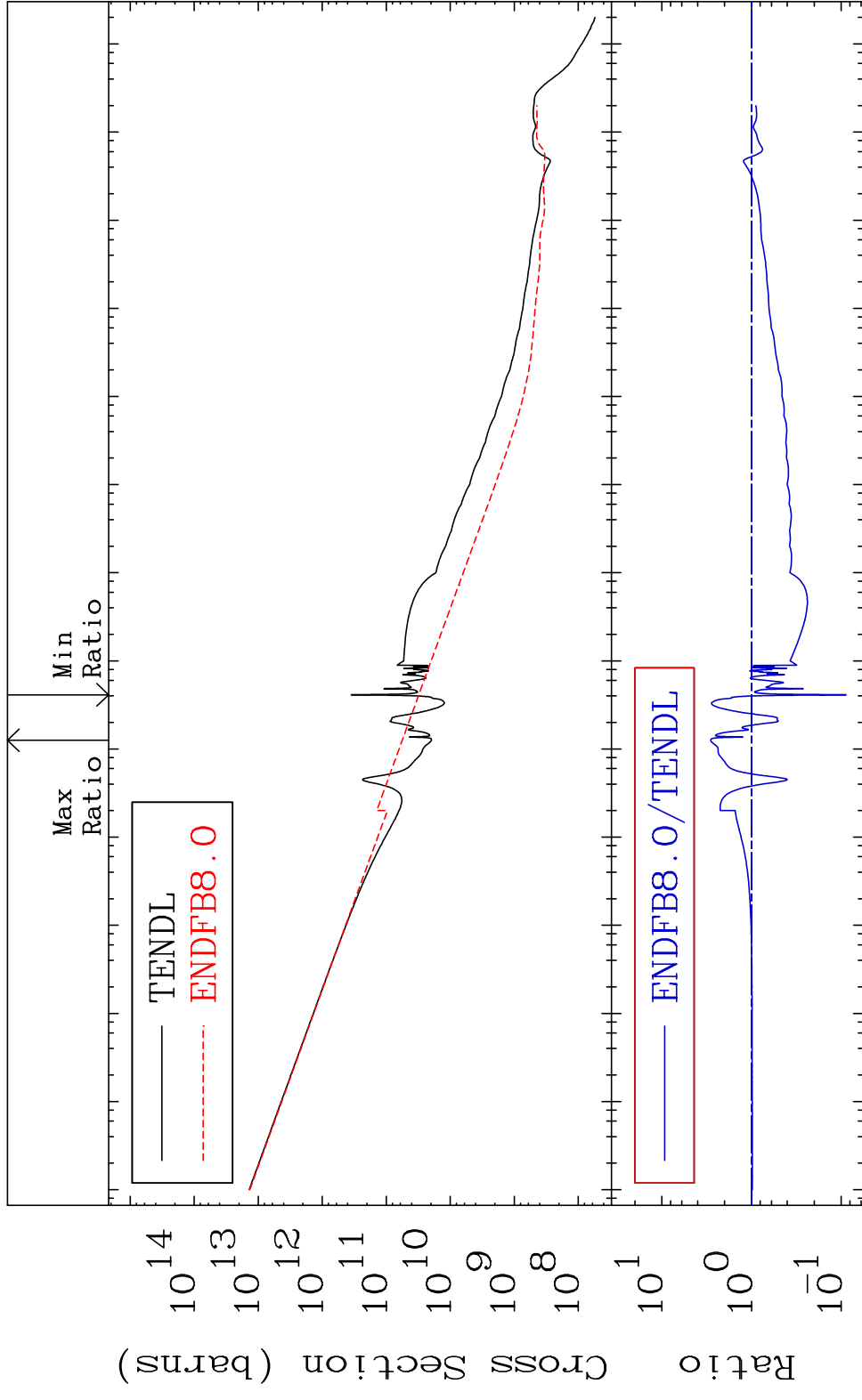


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Incident Energy (eV)

95-Am-240

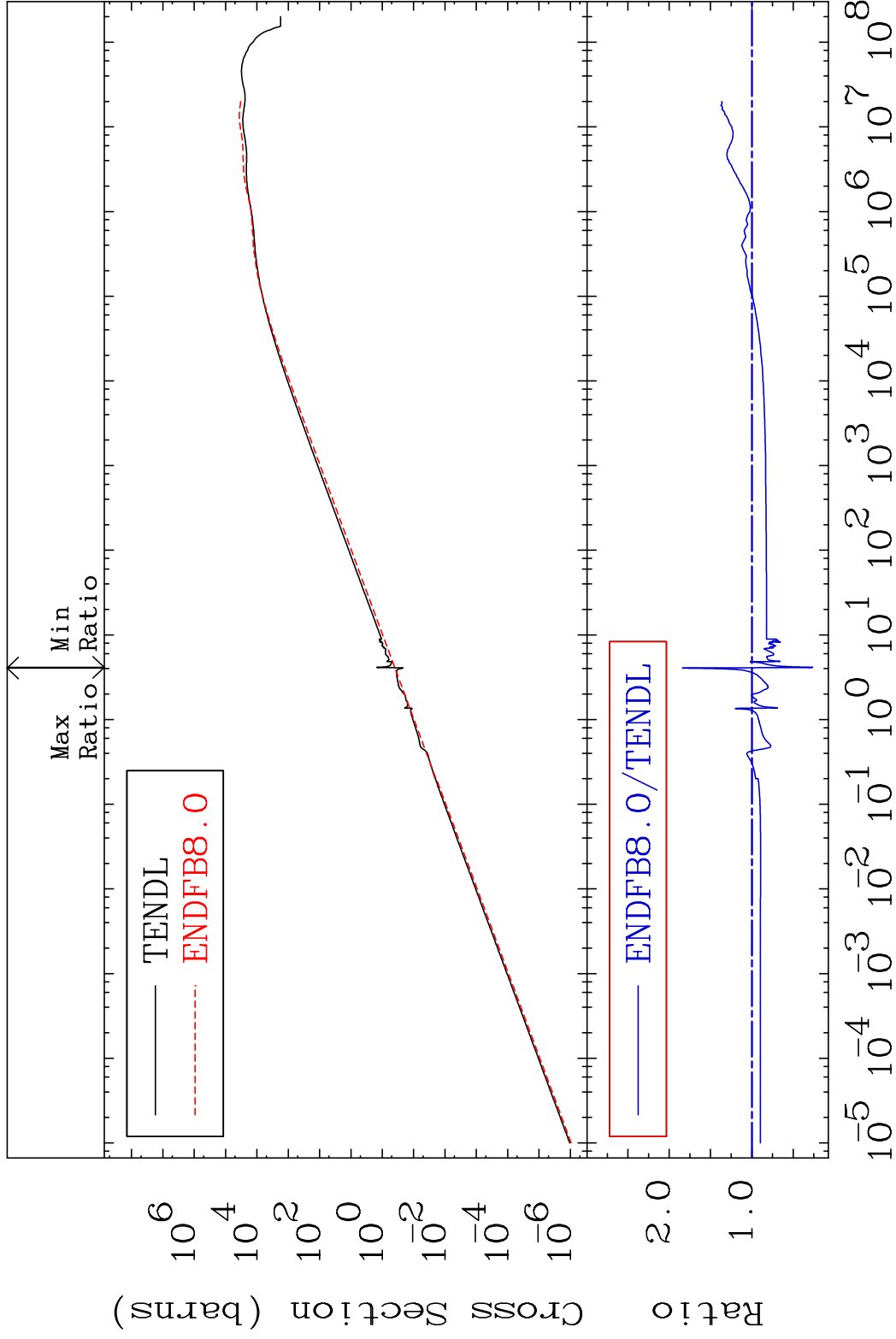
MAT 9540 Kerma total (eV-barns) 95-Am-240
 Cross Section -91.22 To 185.5 %



MAT 9540

Kerma elastic
Cross Section

95-Am-240
-73.45 To 84.13 %

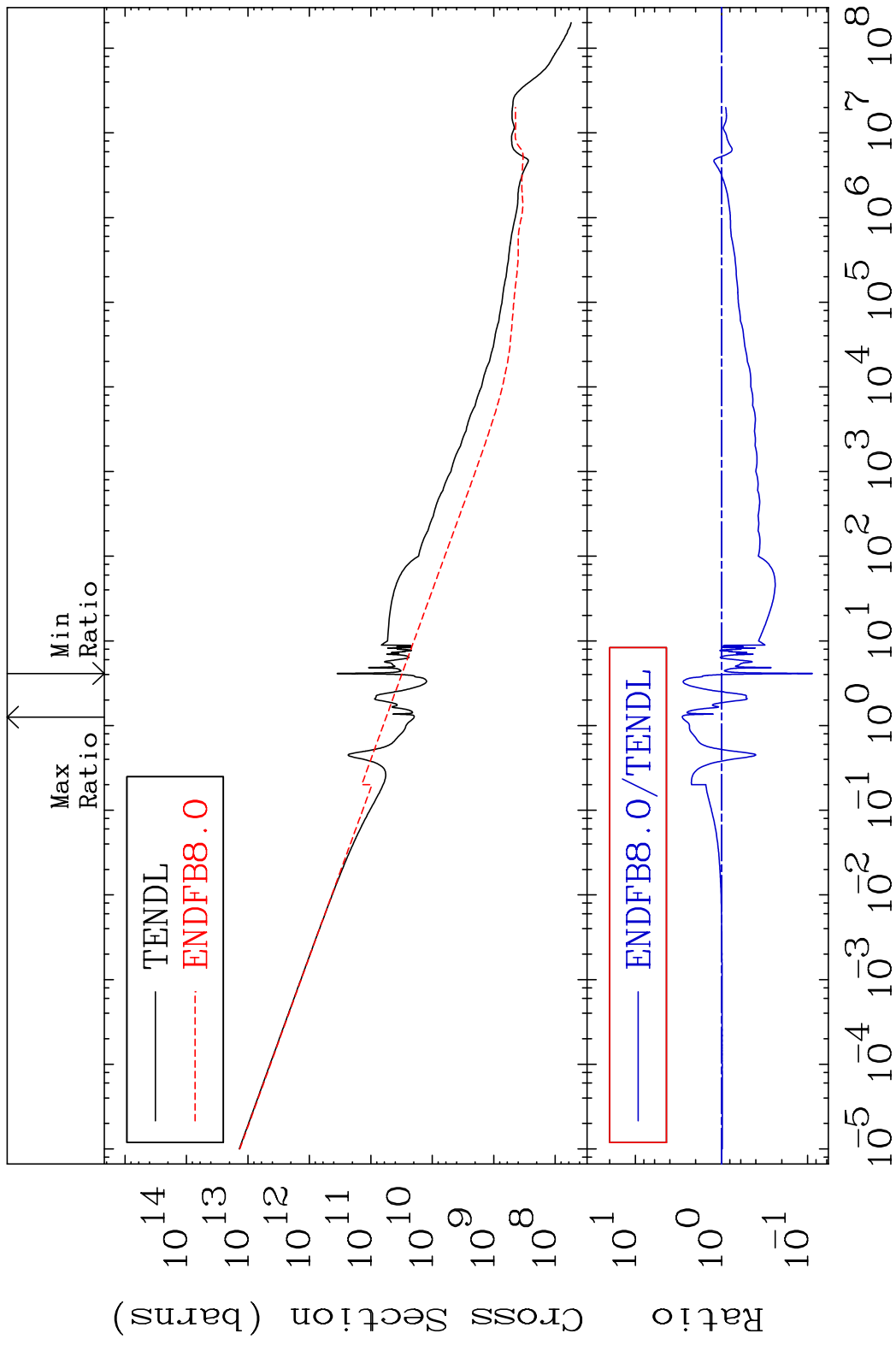


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Incident Energy (eV)

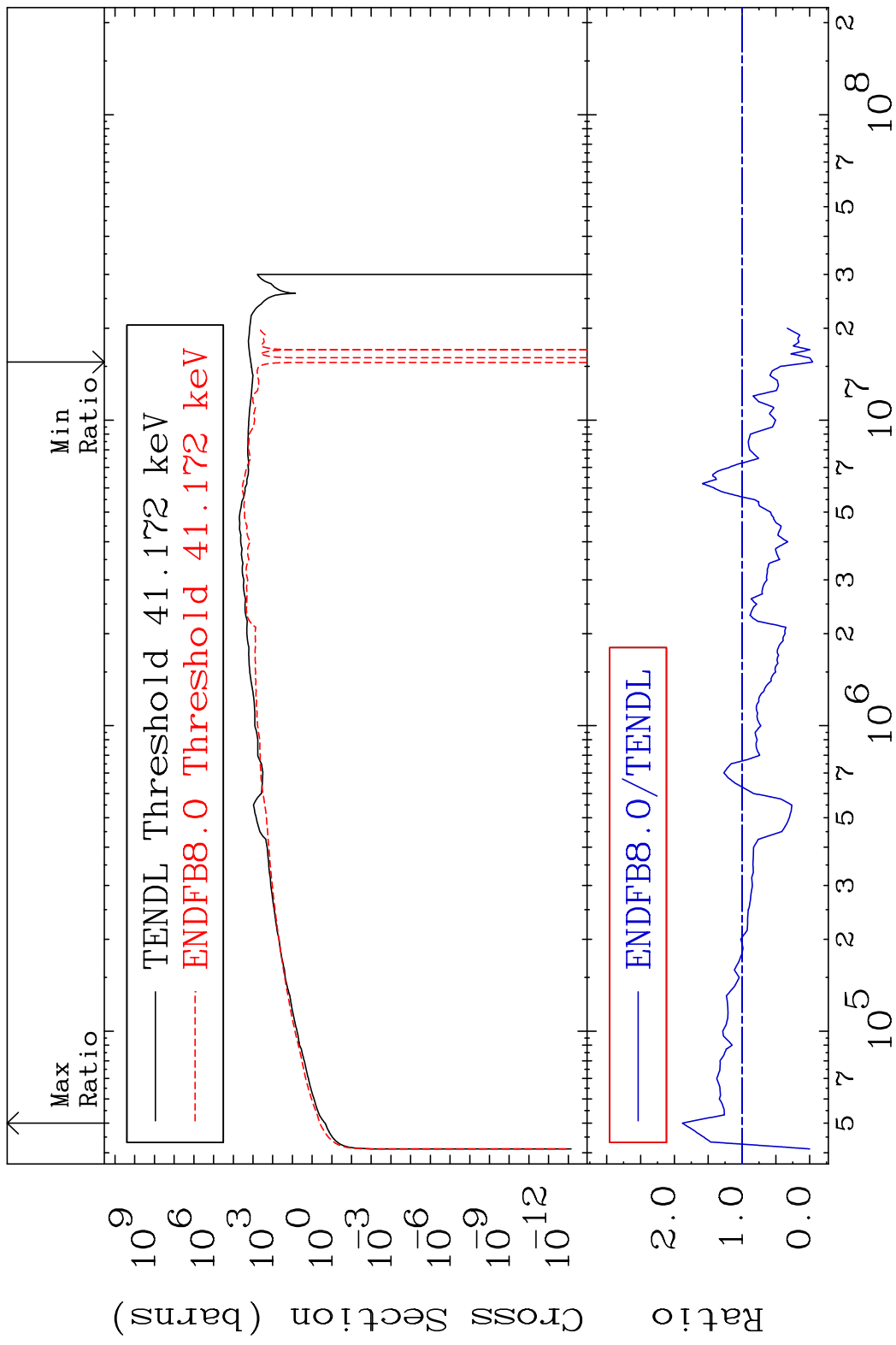
95-Am-240

MAT 9540 Kerma non-elastic (all but mt2) 95-Am-240
 Cross Section -91.22 To 185.5 %

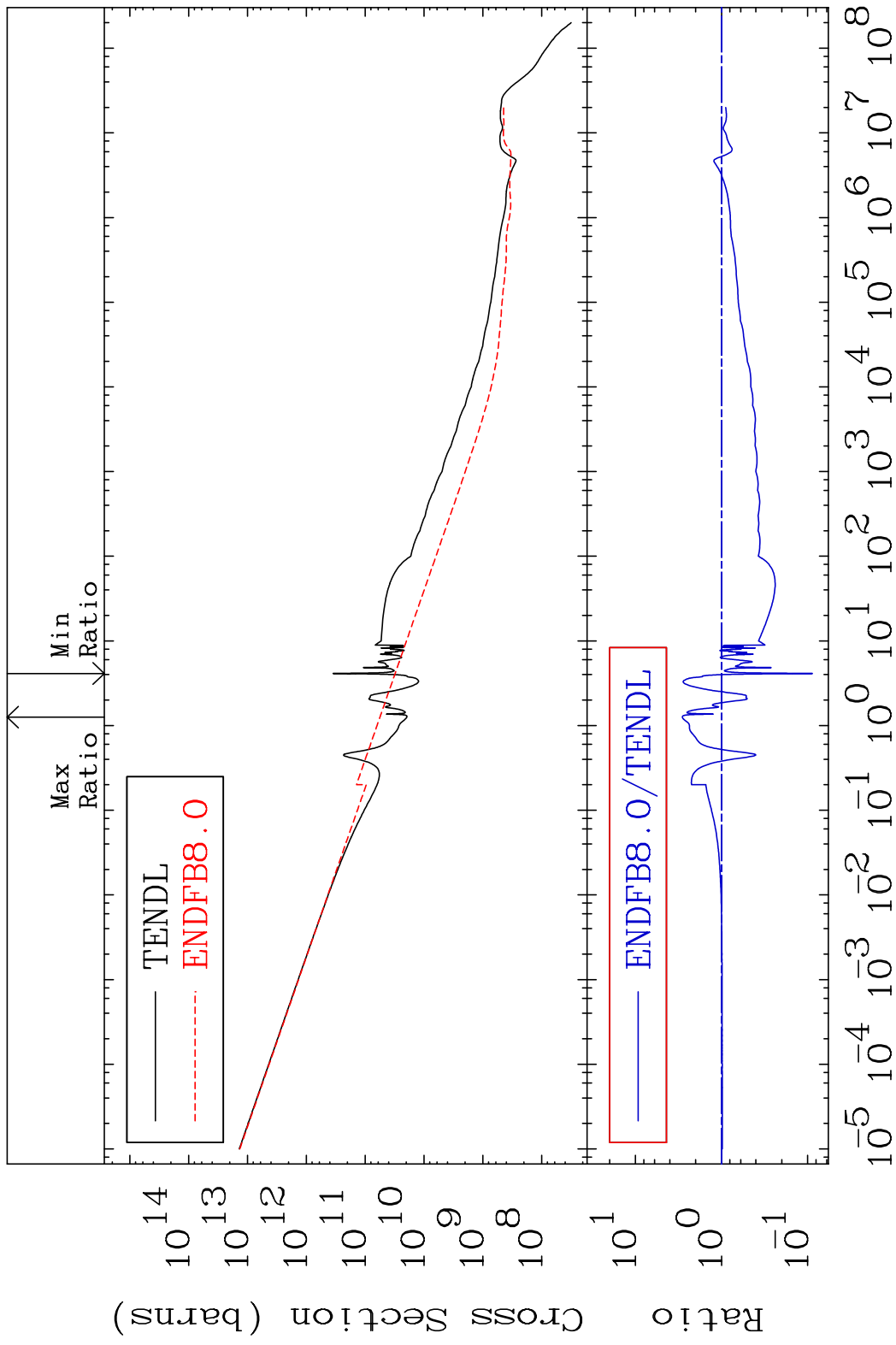


30 Incident Energy (eV) 95-Am-240

MAT 9540 Kerma inelastic (mt51-91) 95-Am-240
 Cross Section -104.2 To 88.24 %

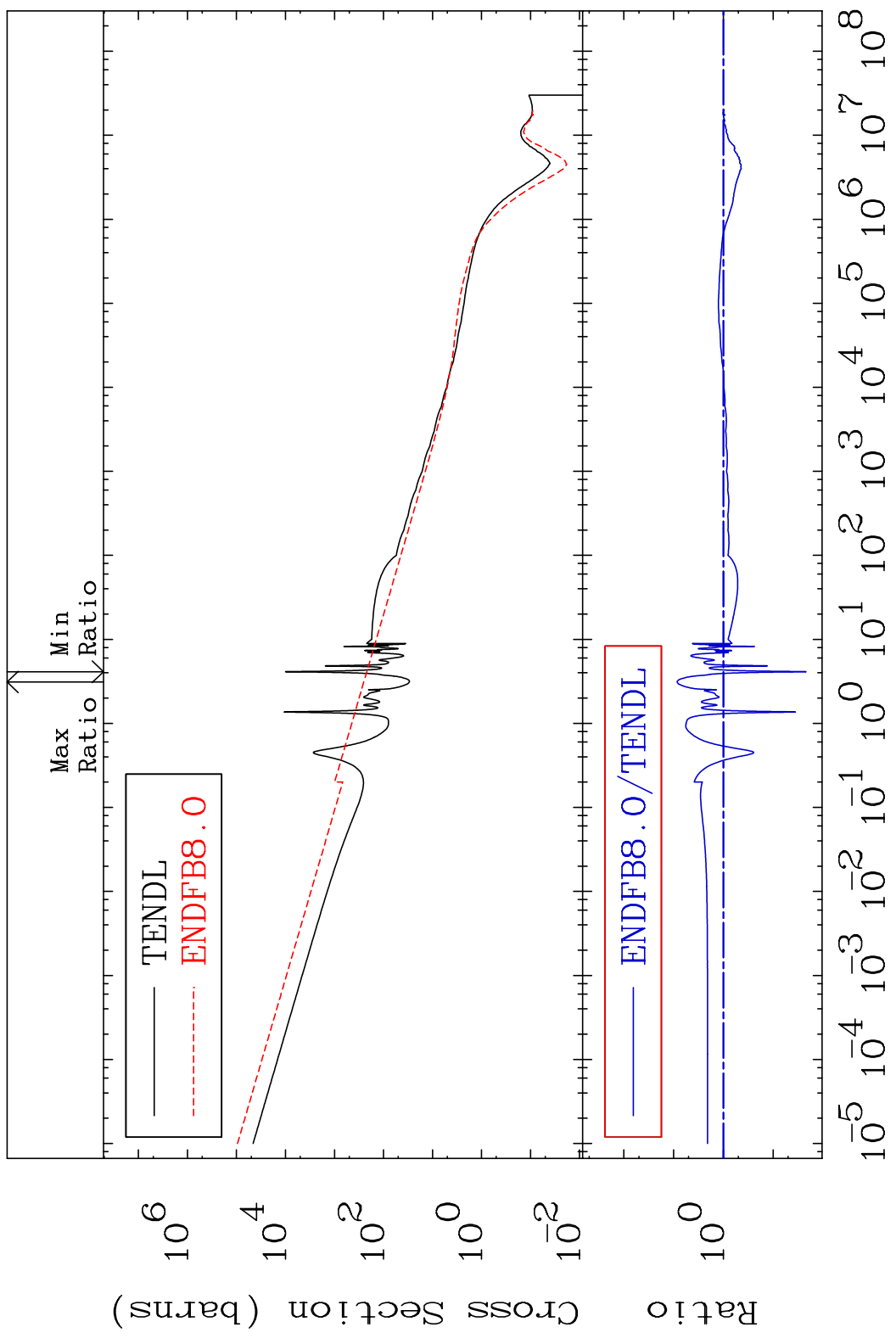


MAT 9540 Kerma fission (mt18 or mt19-20-21-38) 95-Am-240
 Cross Section -91.22 To 185.5 %



MAT 9540

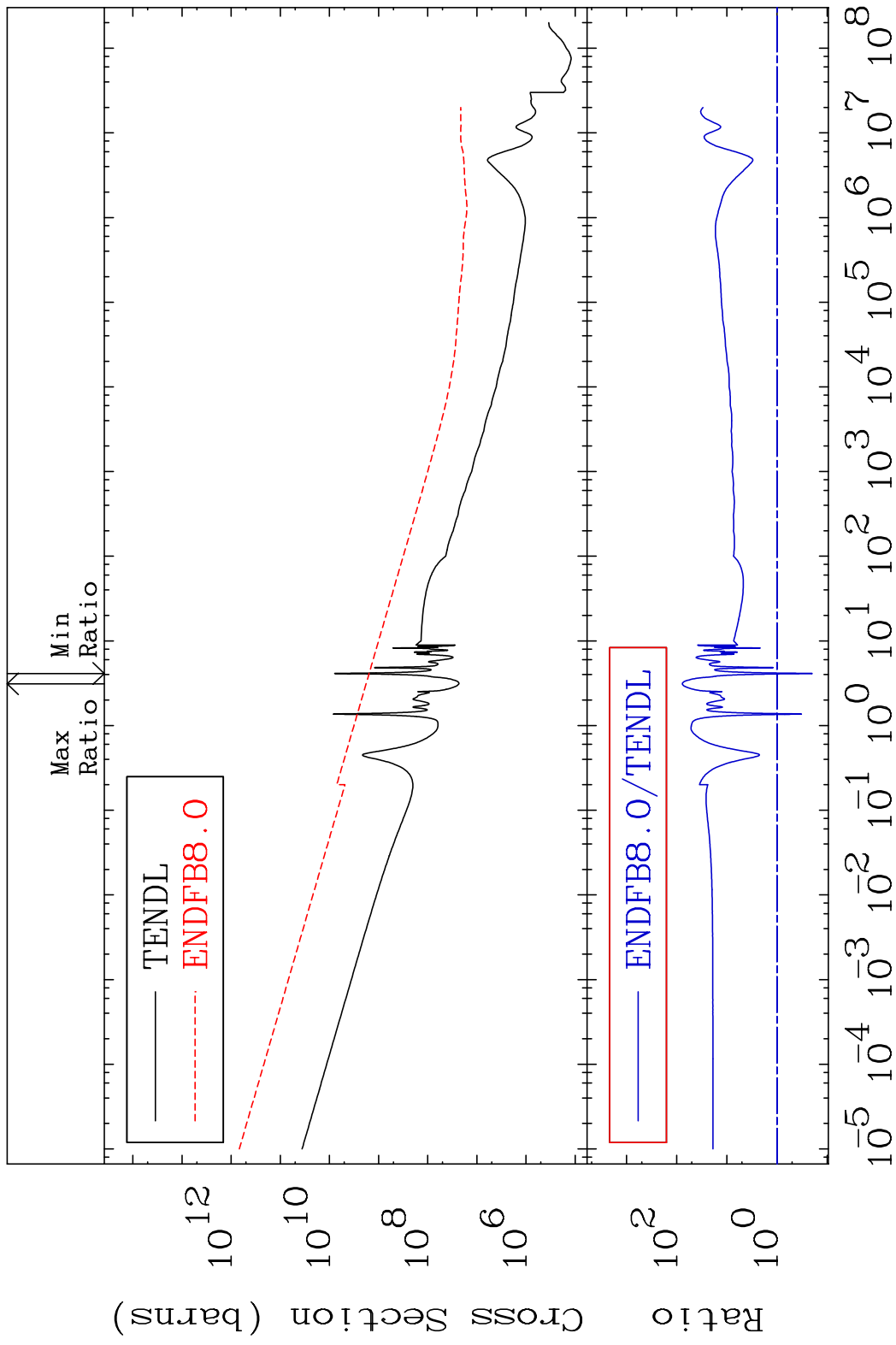
Kerma capture (mt102) 95-Am-240
Cross Section -97.85 To 749.4 %



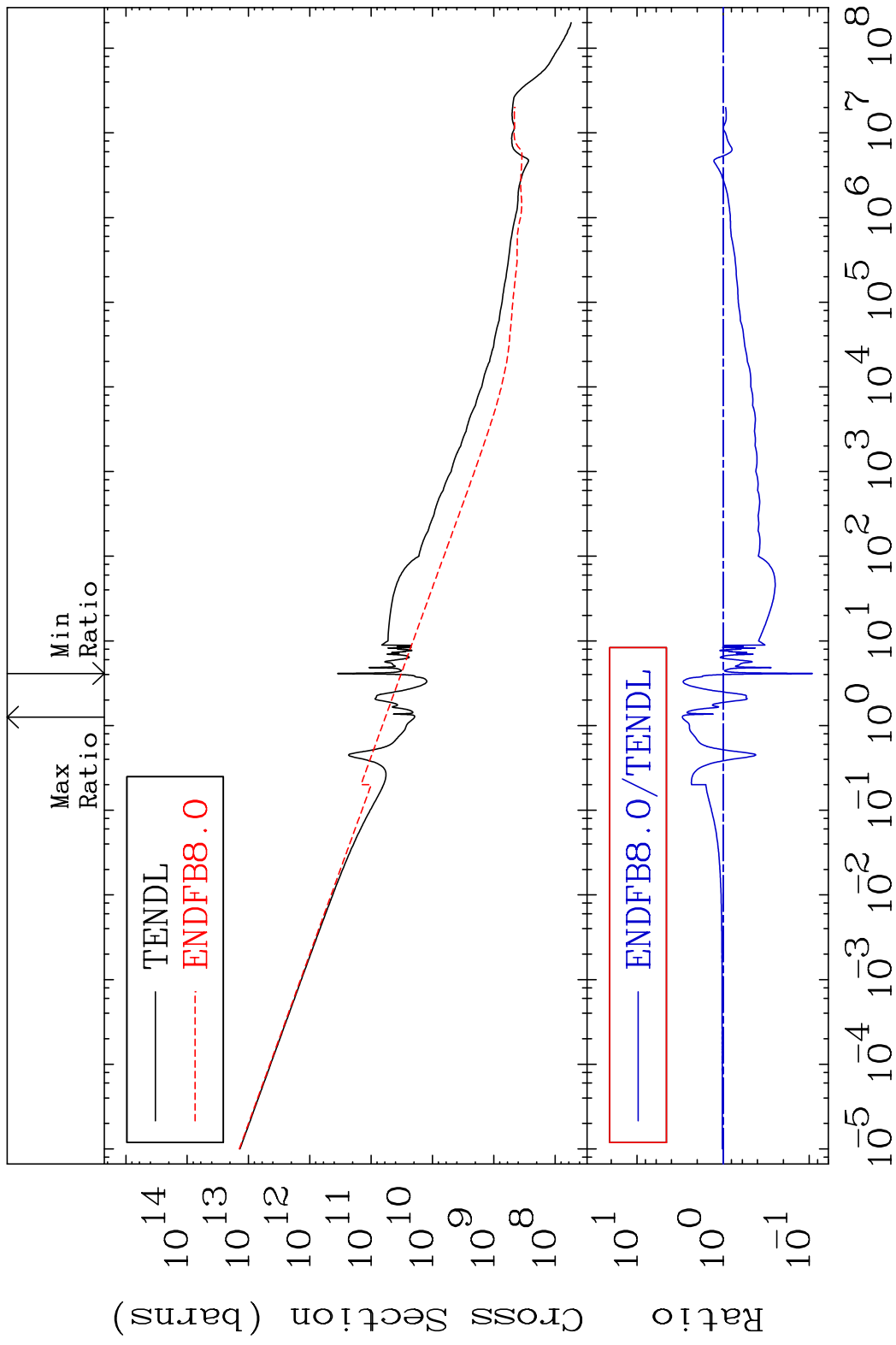
33

Incident Energy (eV) 95-Am-240

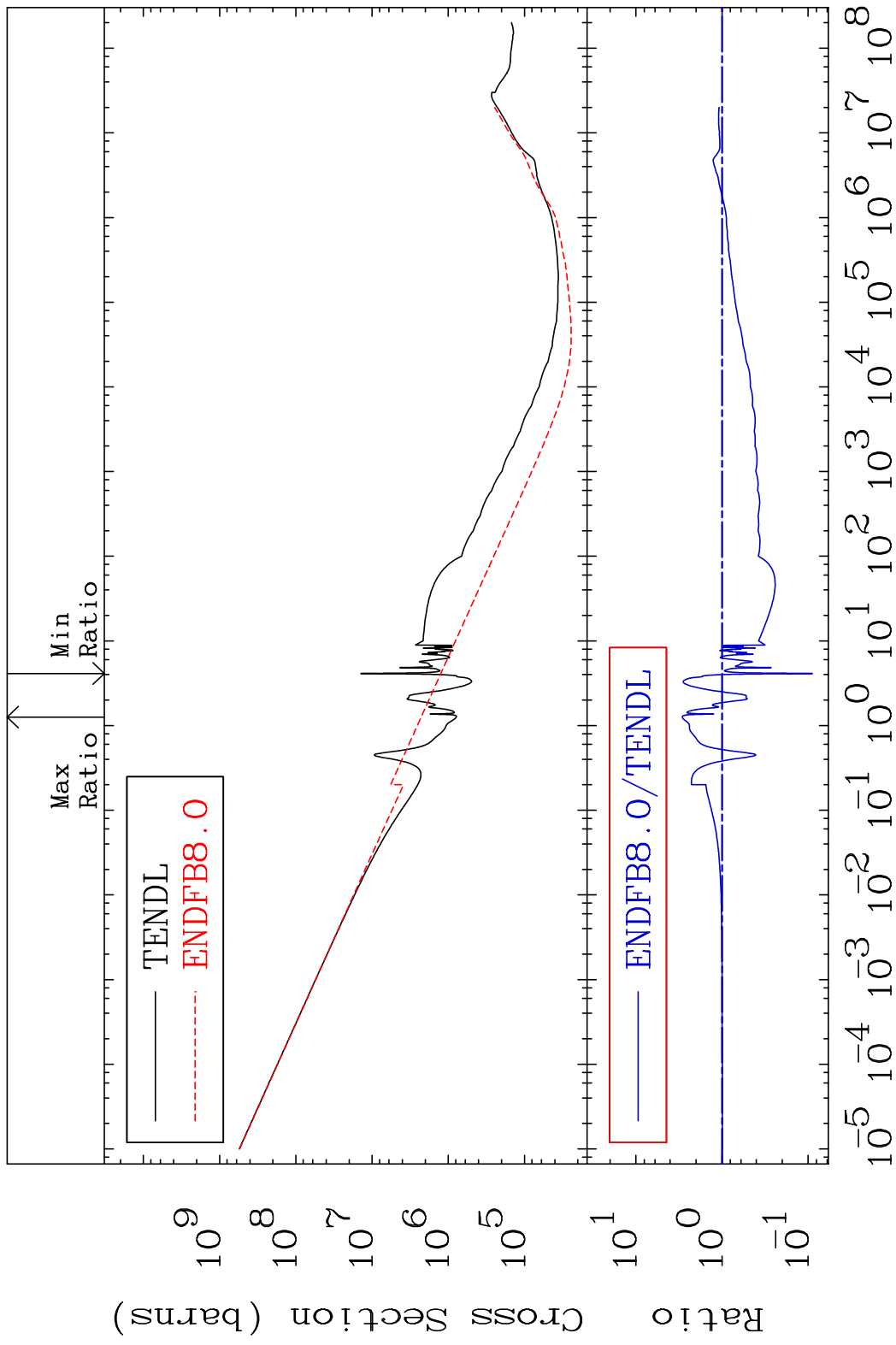
MAT 9540 Total photon (eV-barns) 95-Am-240
 Cross Section -80.49 To 7624. %



MAT 9540 Total kinematic kerma (high limit) 95-Am-240
 Cross Section -90.84 To 197.9 %



MAT 9540 Dpa total (eV-barns) 95-Am-240
 Cross Section -91.12 To 188.8 %

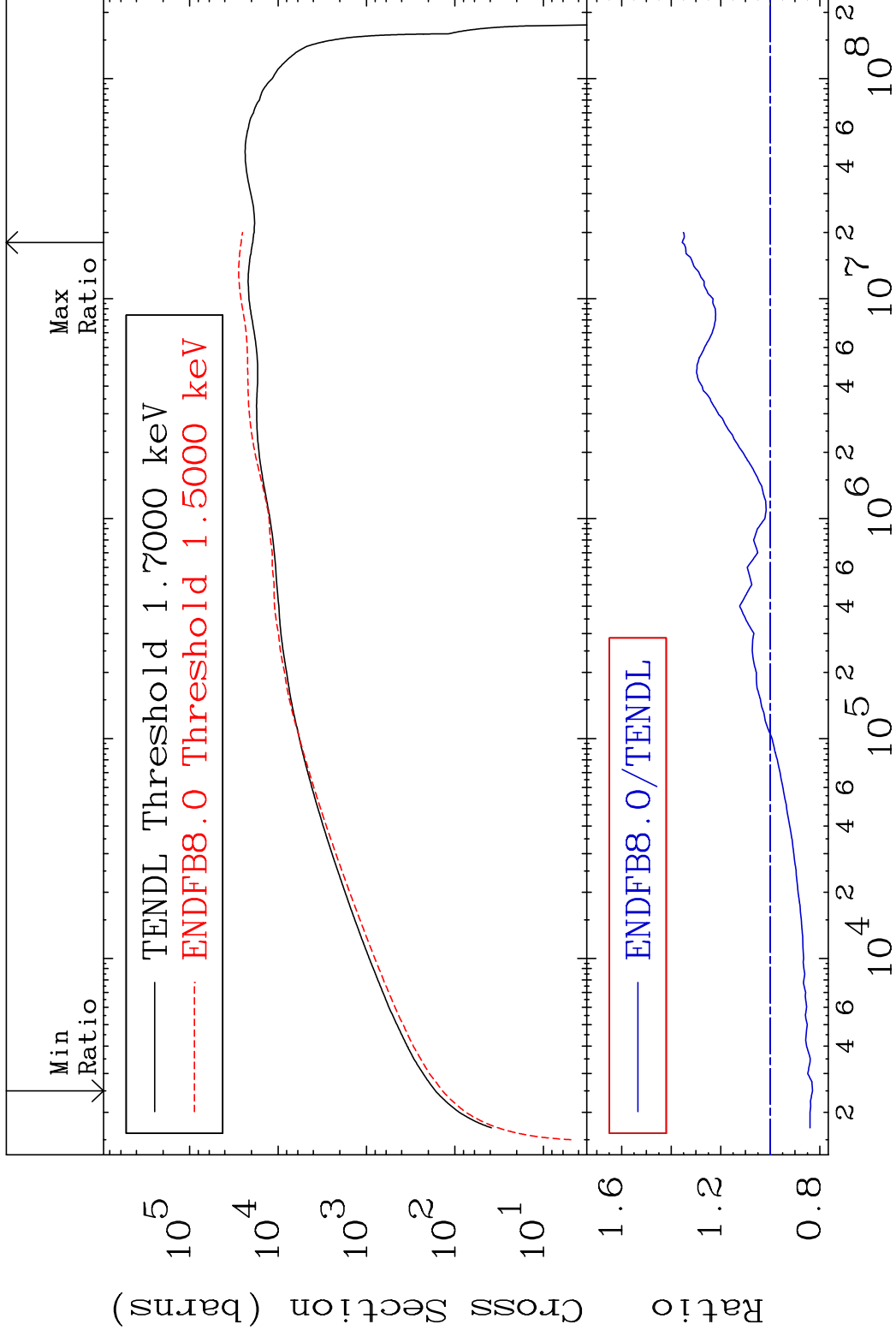


MAT 9540

Dpa elastic (mt2)

95-Am-240

Cross Section -17.03 To 35.57 %

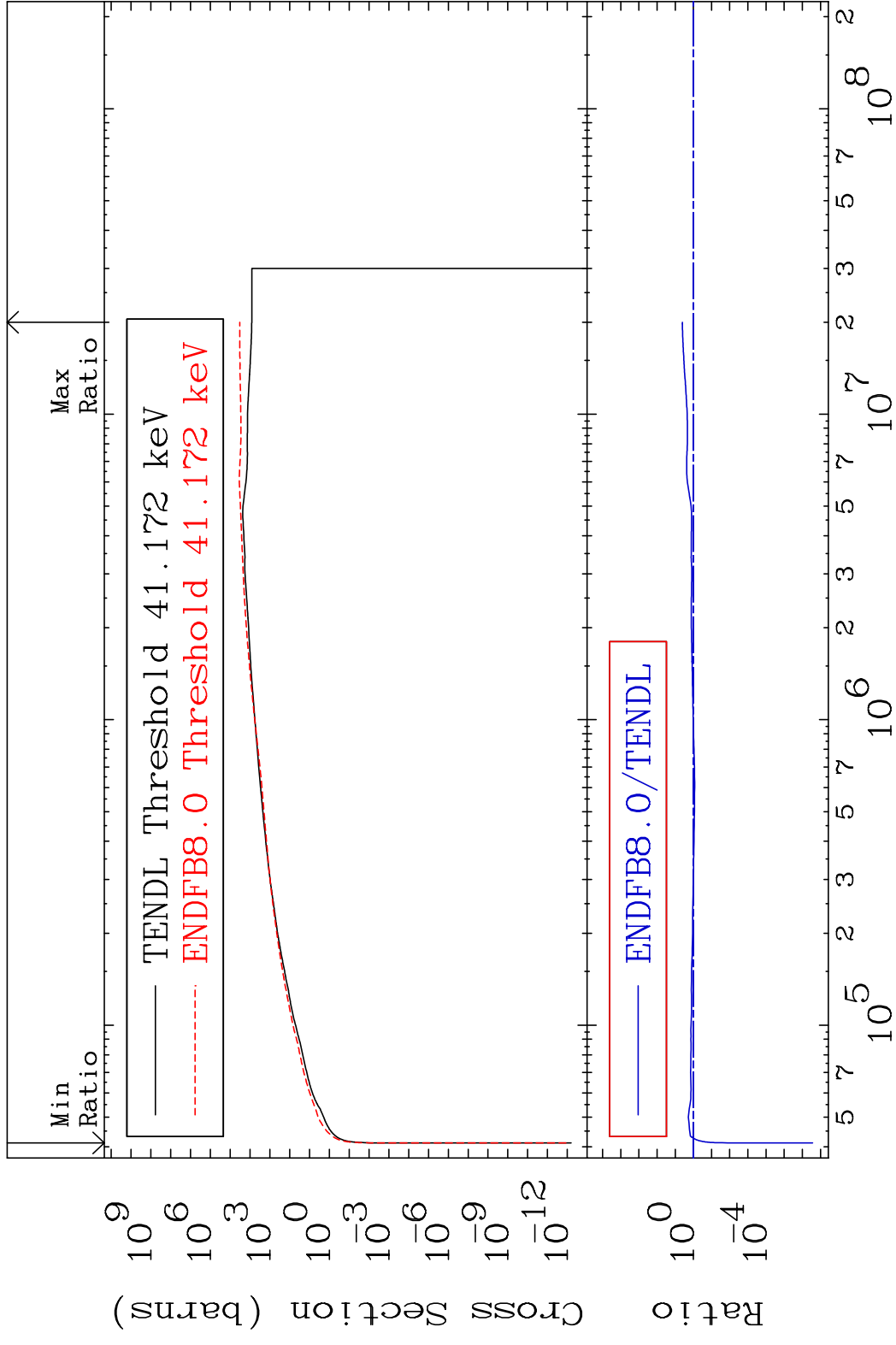


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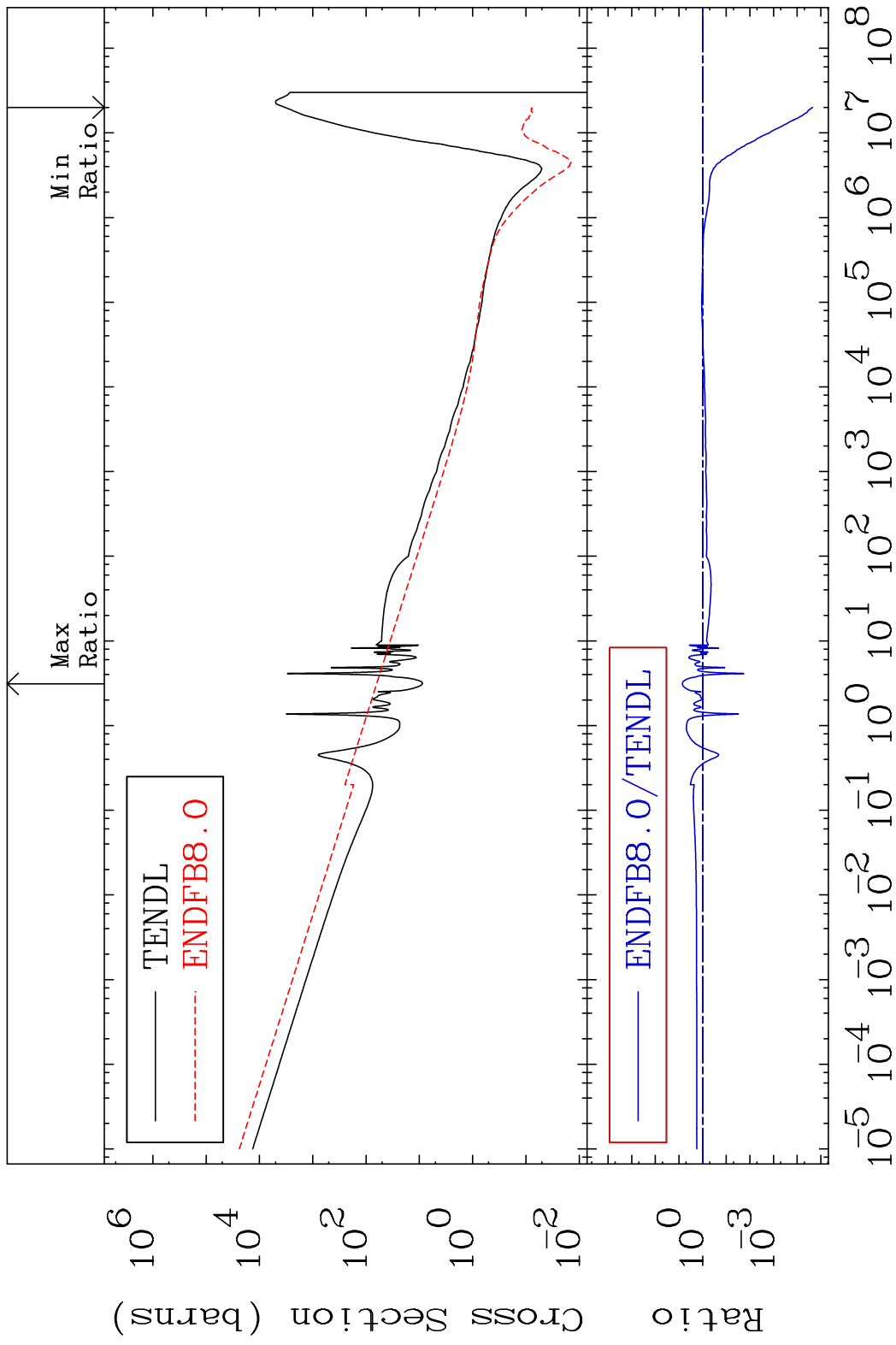
Incident Energy (eV)

95-Am-240

MAT 9540 Dpa inelastic (mt51-91) 95-Am-240
 Cross Section -100.0 To 304.1 %



MAT 9540 Dpa disappearance (mt102 -120) 95-Am-240
 Cross Section -100.0 To 619.7 %



39 Incident Energy (eV) 95-Am-240