

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

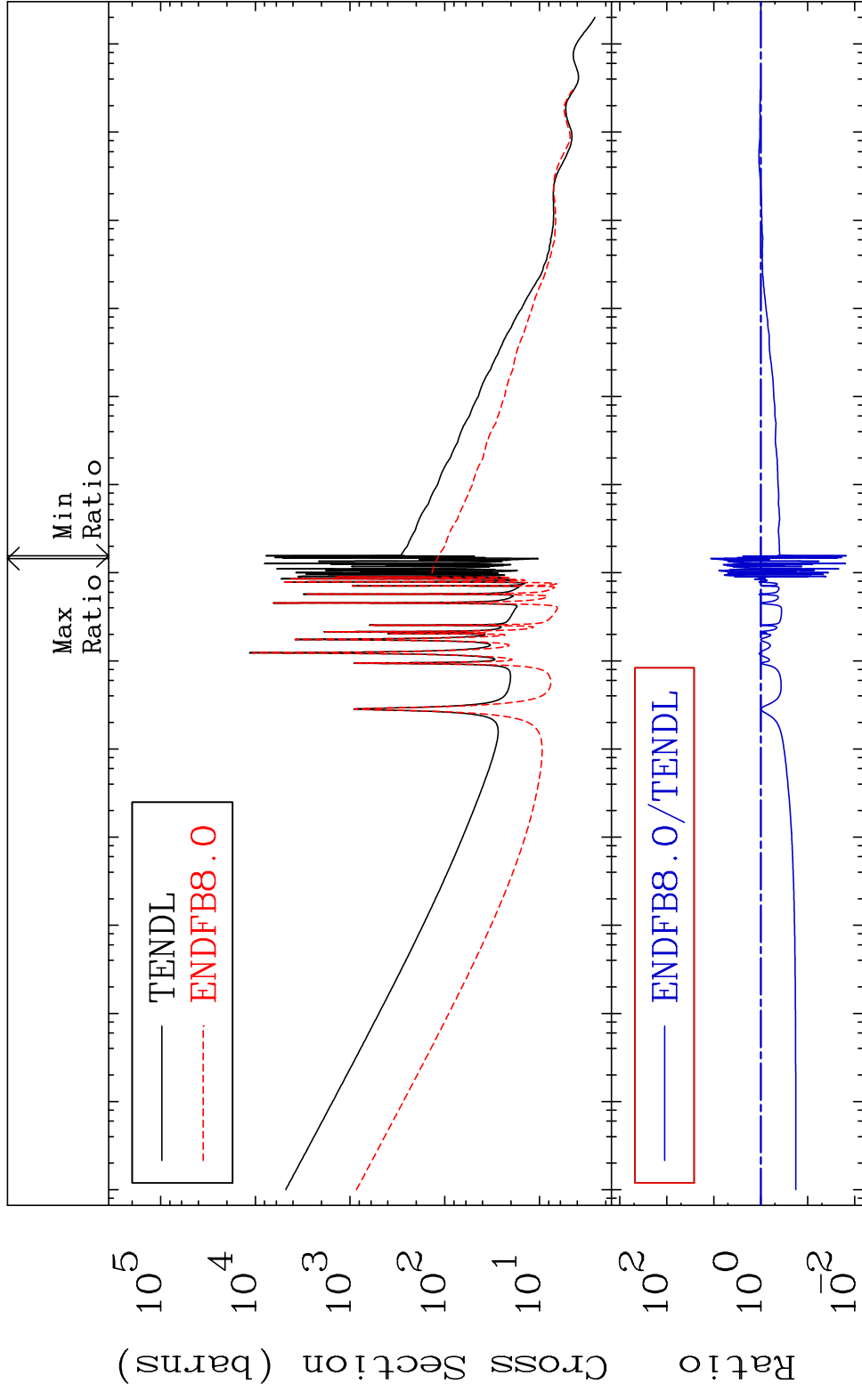
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6928

Total Cross Section -98.49 To 1063. %
69-Tm-170



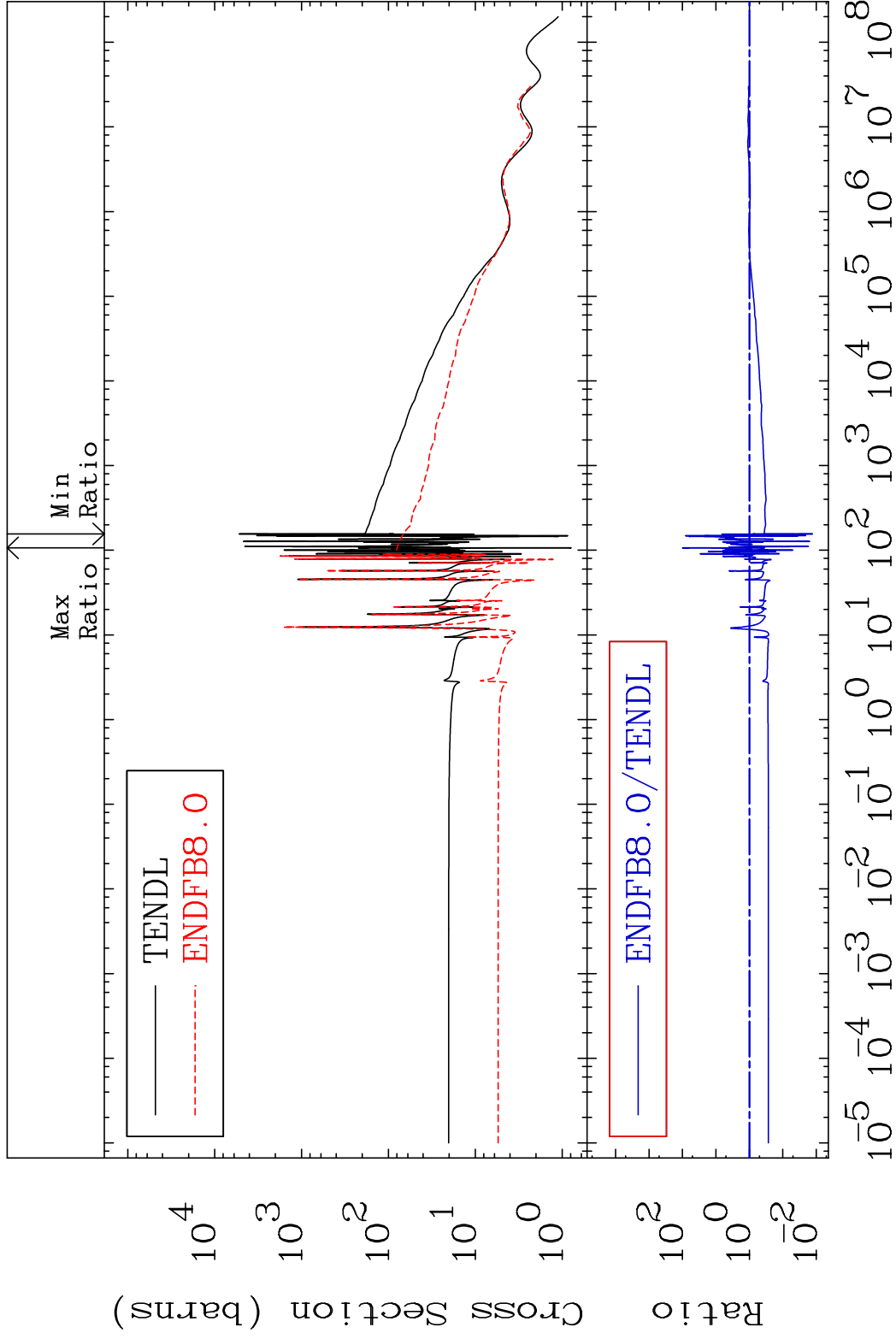
1 Incident Energy (eV) 69-Tm-170

MAT 6928

Elastic

69-Tm-170

Cross Section -98.71 To 9977. %



2

Incident Energy (eV)

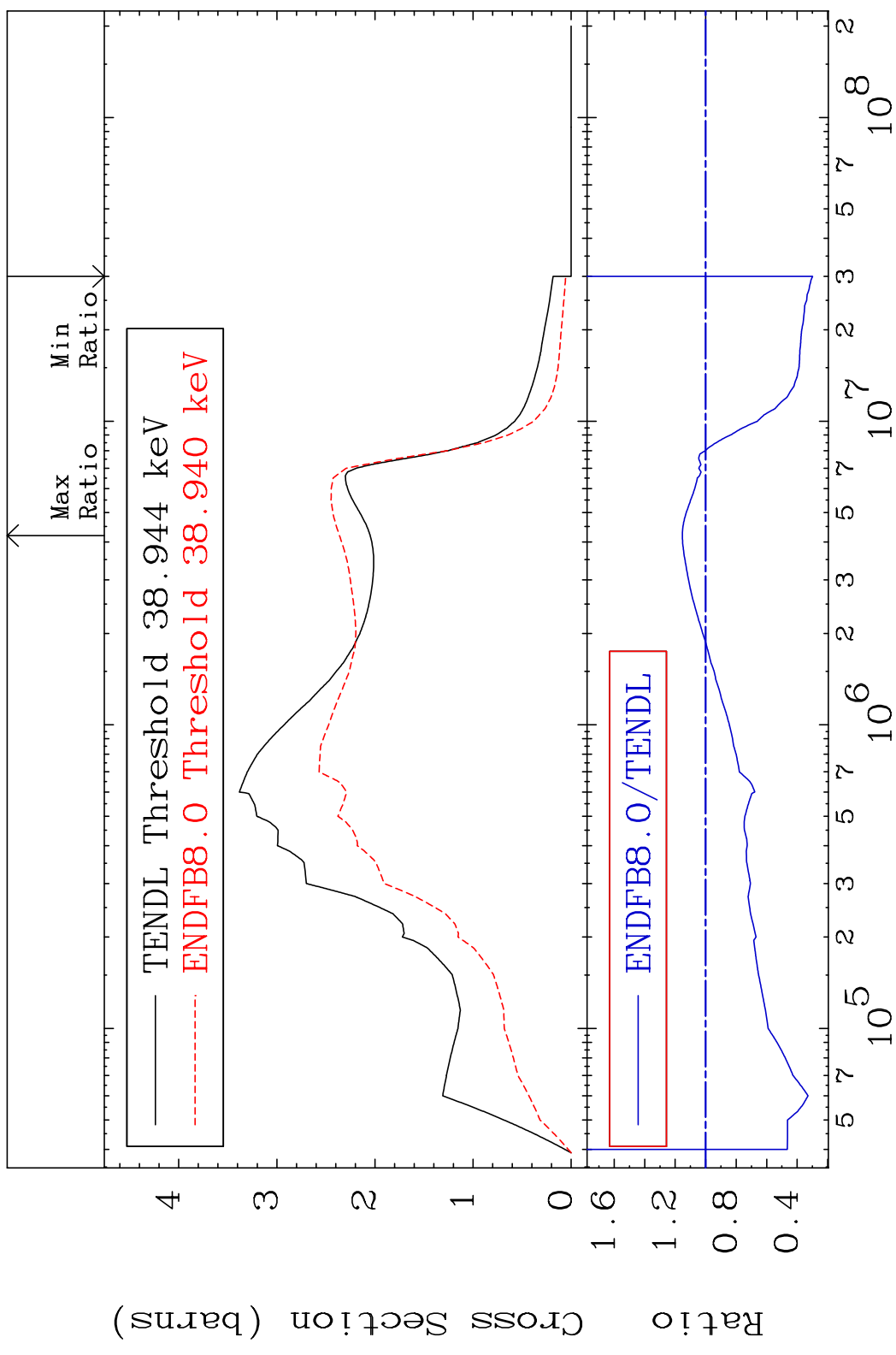
69-Tm-170

MAT 6928

Inelastic

69-Tm-170

Cross Section -70.08 To 15.30 %



3

Incident Energy (eV)

69-Tm-170

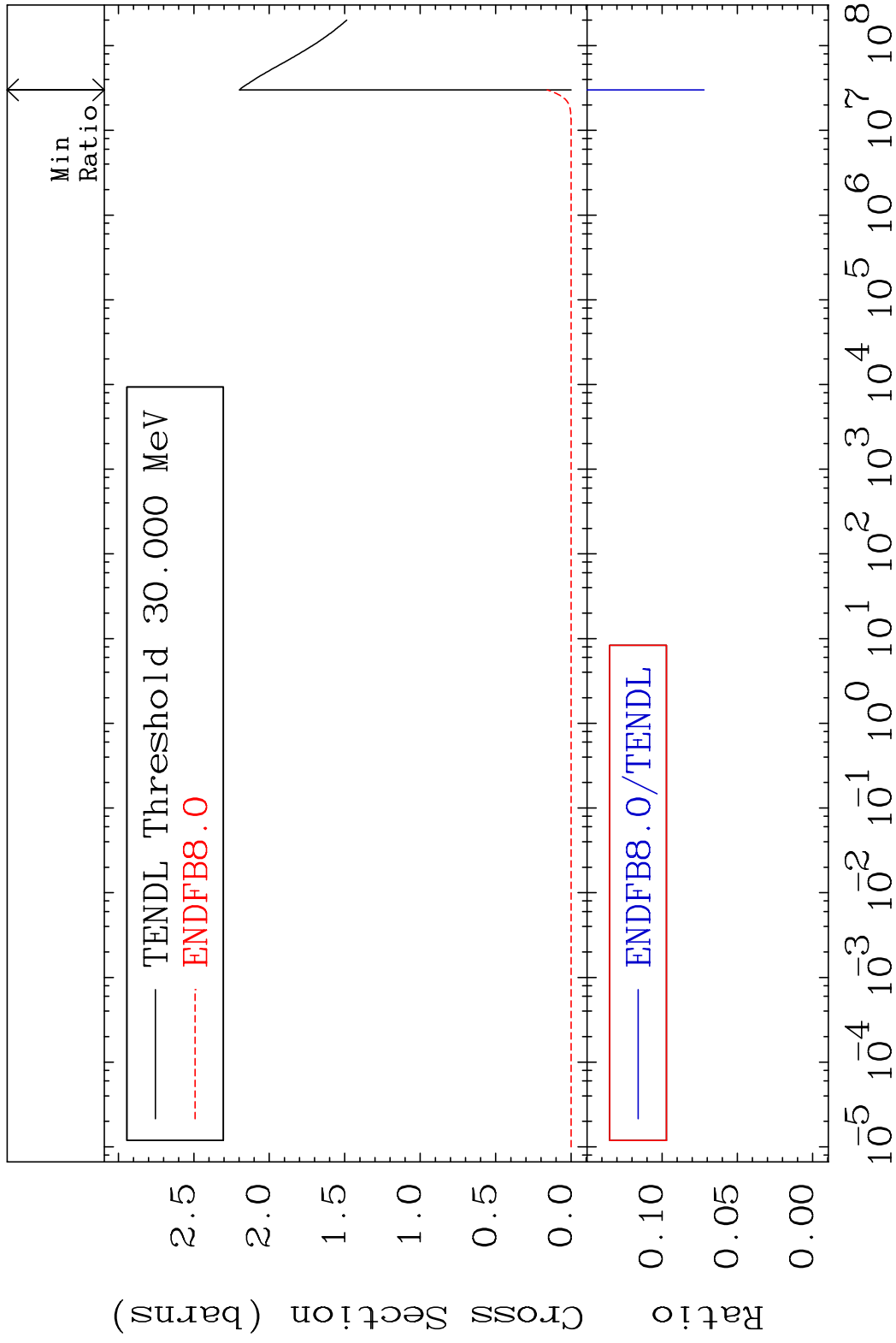
MAT 6928

(n, remainder)

69-Tm-170

Cross Section

-92.79 To -92.79%



4

Incident Energy (eV)

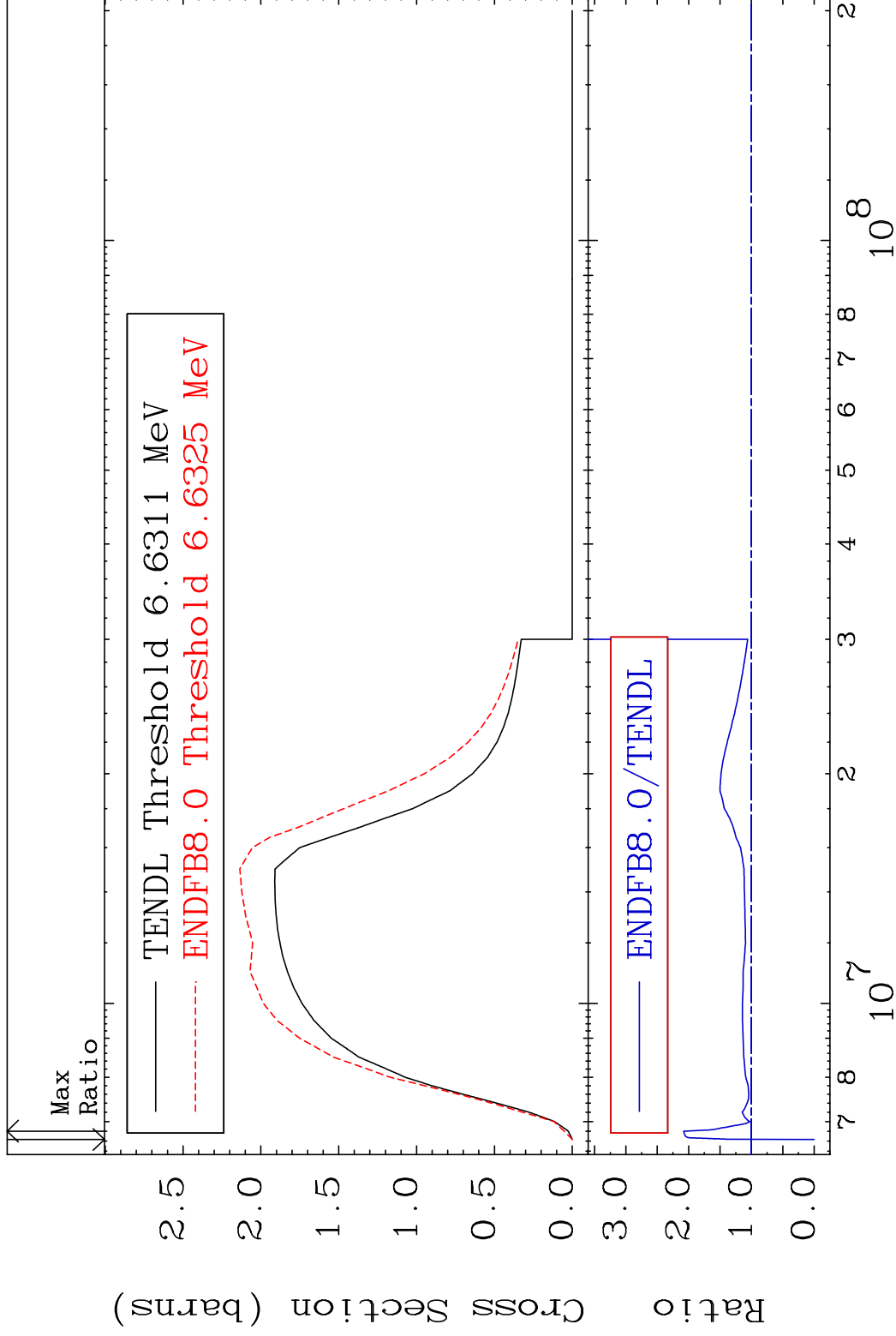
69-Tm-170

MAT 6928

(n,2n)

69-Tm-170

Cross Section -100.0 To 108.0 %

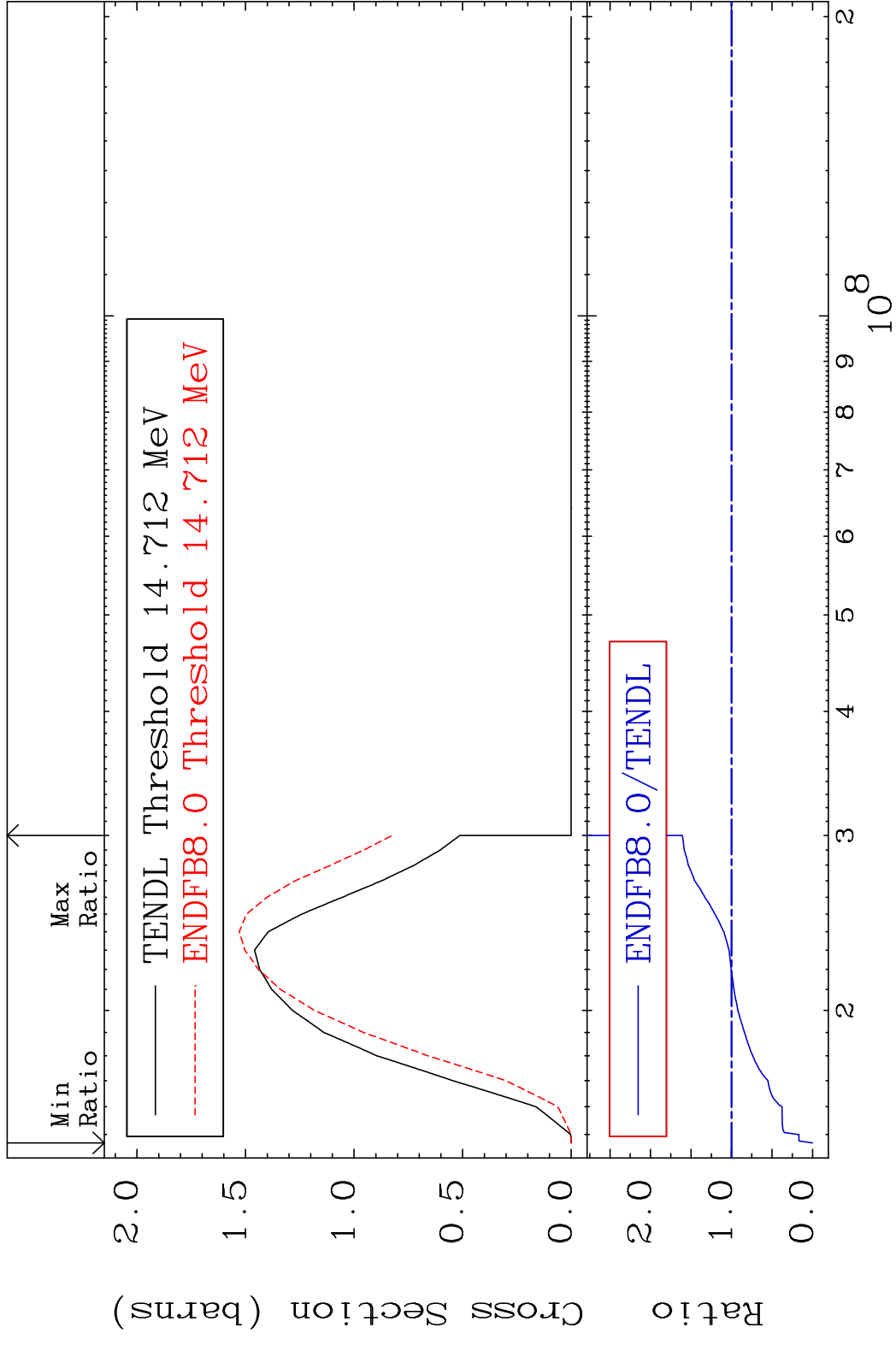


5

Incident Energy (eV)

69-Tm-170

MAT 6928 (n,3n) 69-Tm-170
 Cross Section -100.0 To 60.69 %

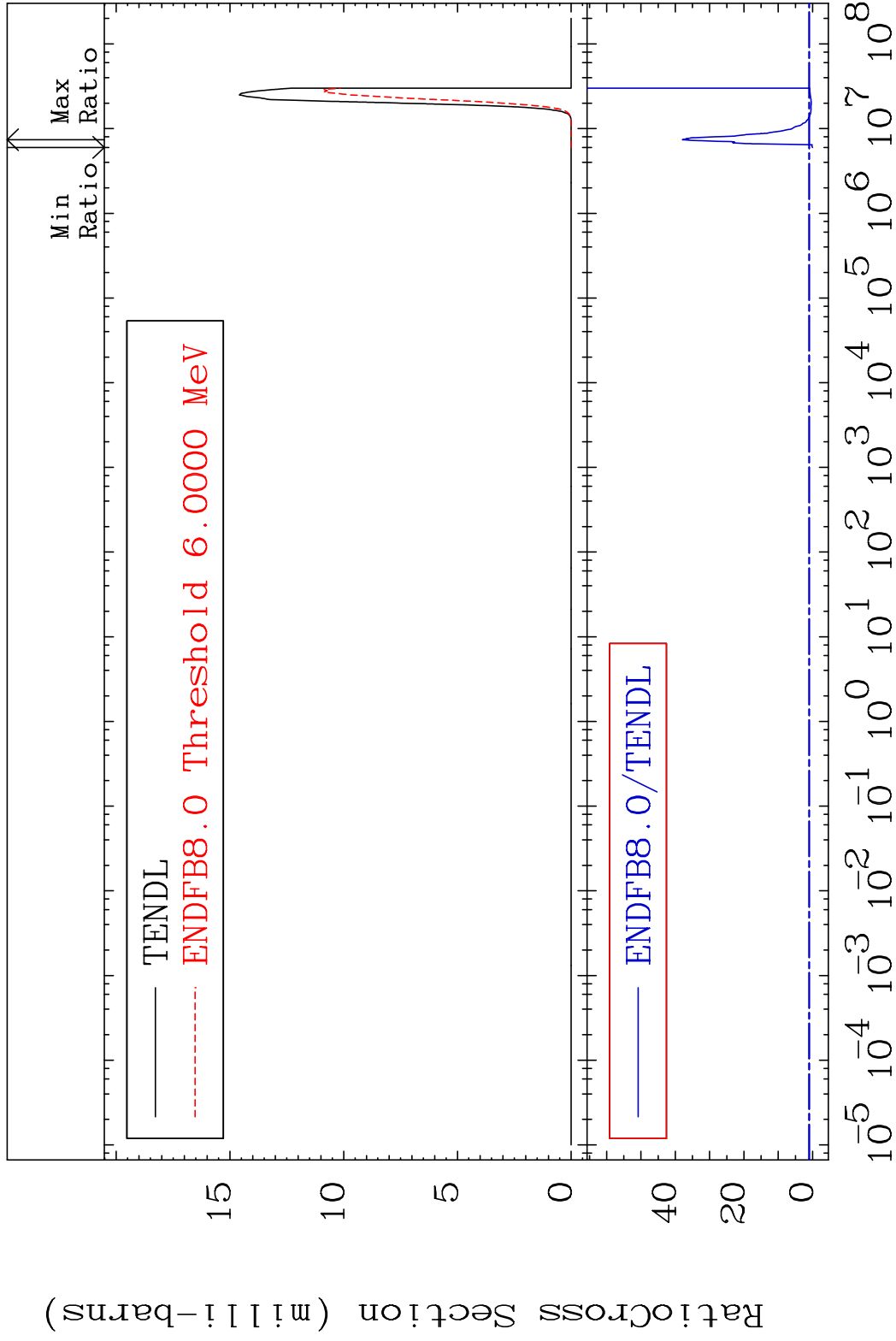


MAT 6928

(n, n') α

69-Tm-170

Cross Section -100.0 To 3695. %

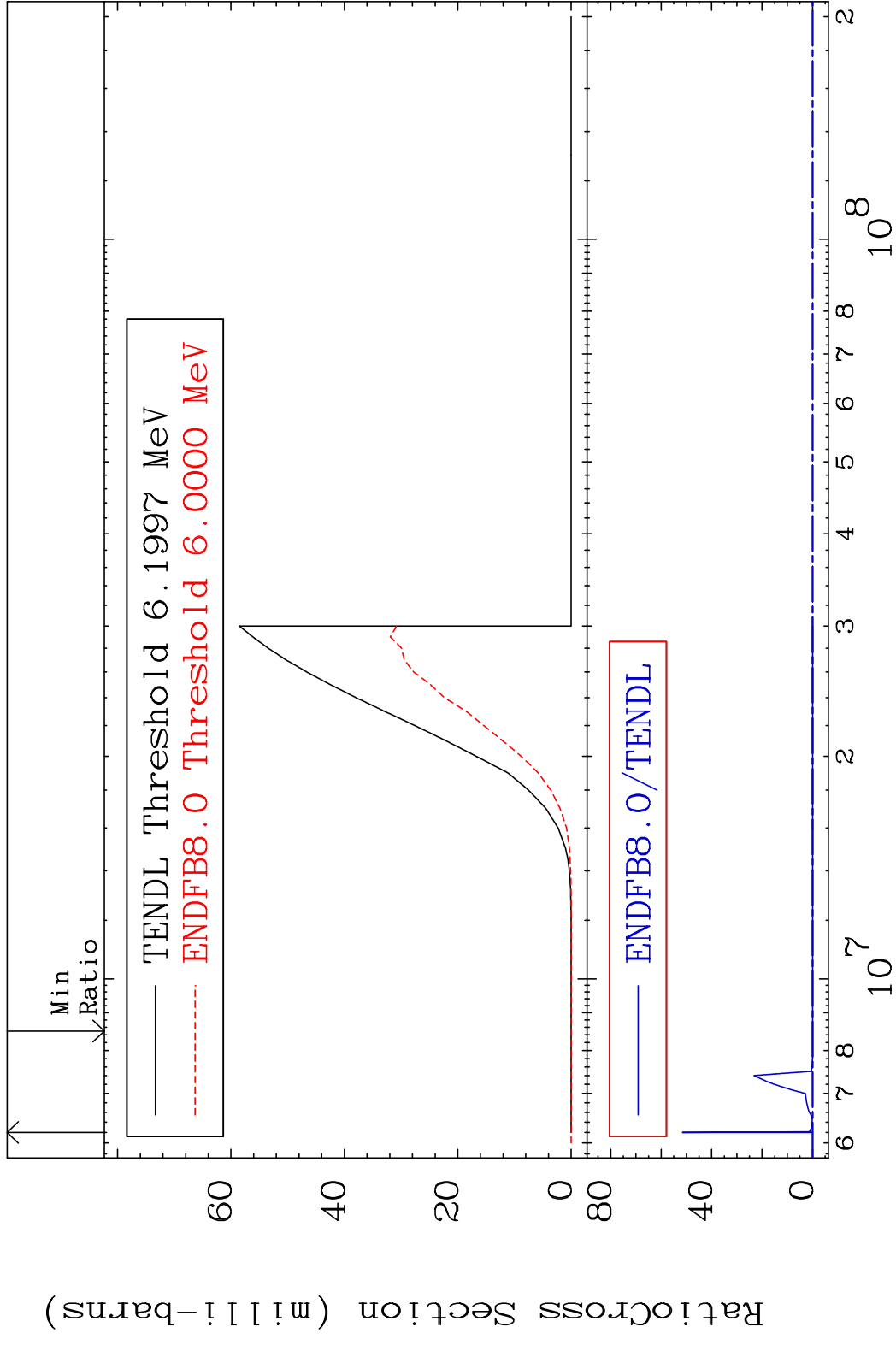


7

Incident Energy (eV)

69-Tm-170

MAT 6928 (n, n') p 69-Tm-170
 Cross Section -100.0 To 9999. %



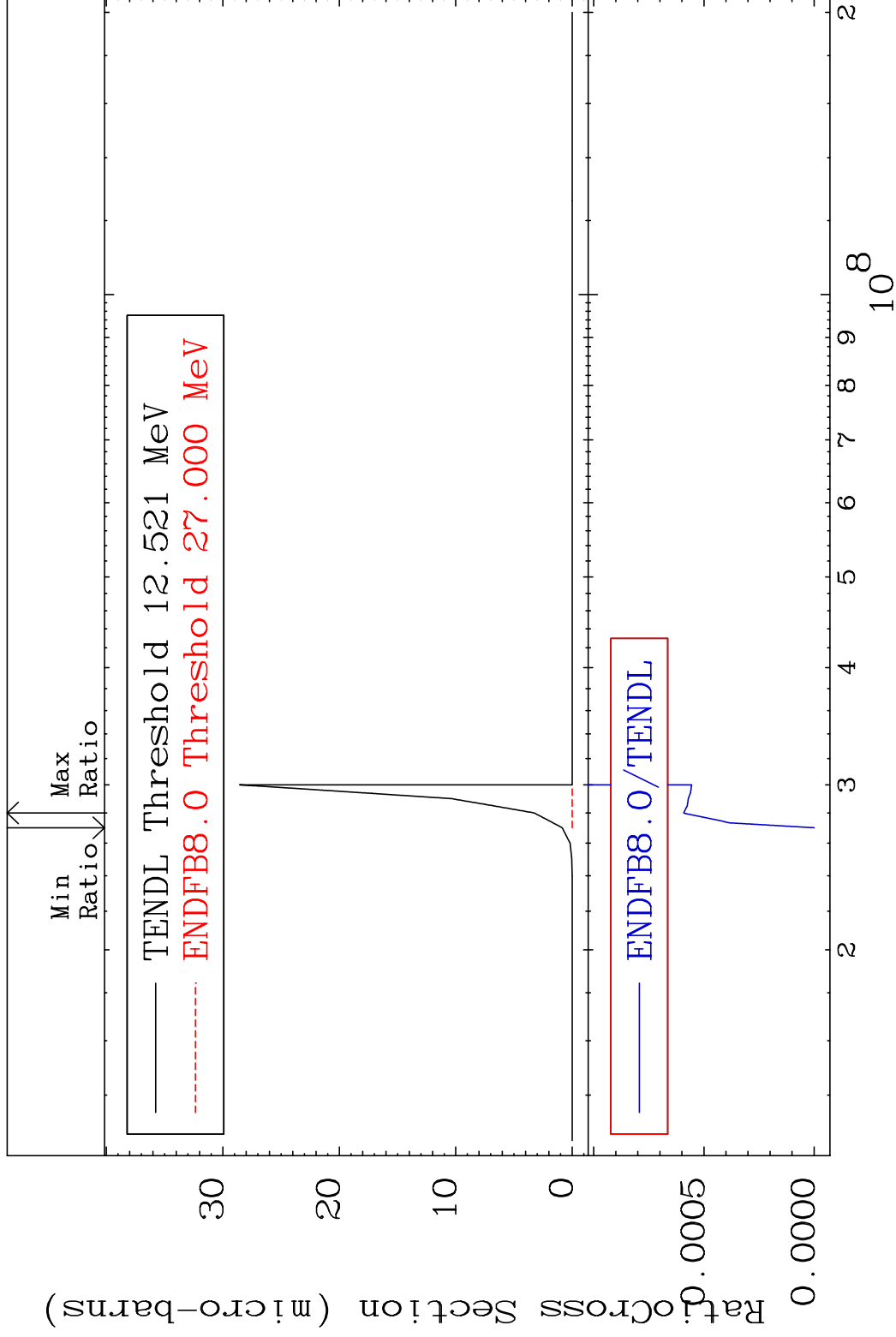
8 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 6928

(n,n') He-3

69-Tm-170

Cross Section -100.0 To -99.94%



9

Incident Energy (eV)

69-Tm-170

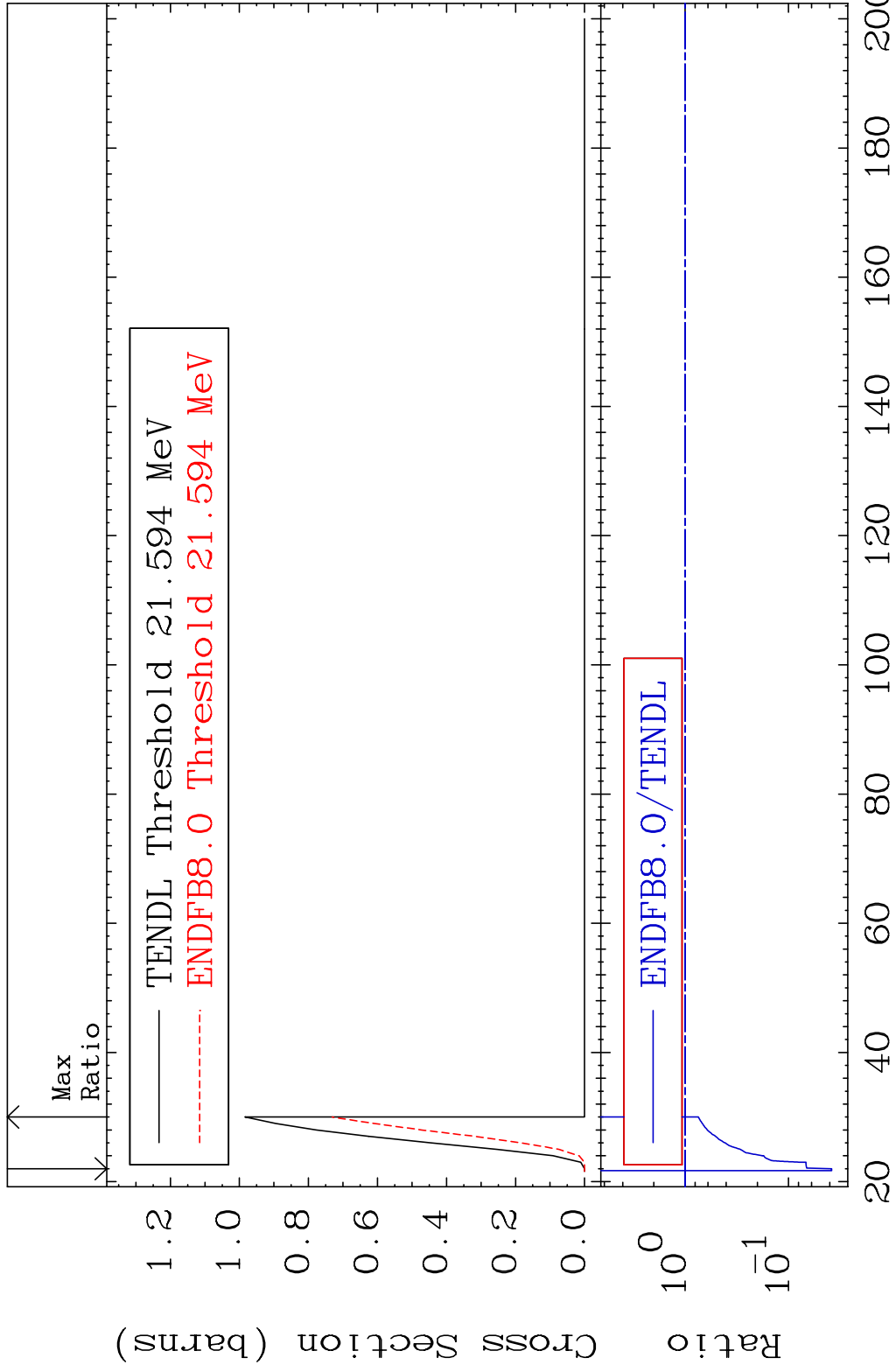
MAT 6928

(n,4n)

69-Tm-170

Cross Section

-96.16 To -25.69%

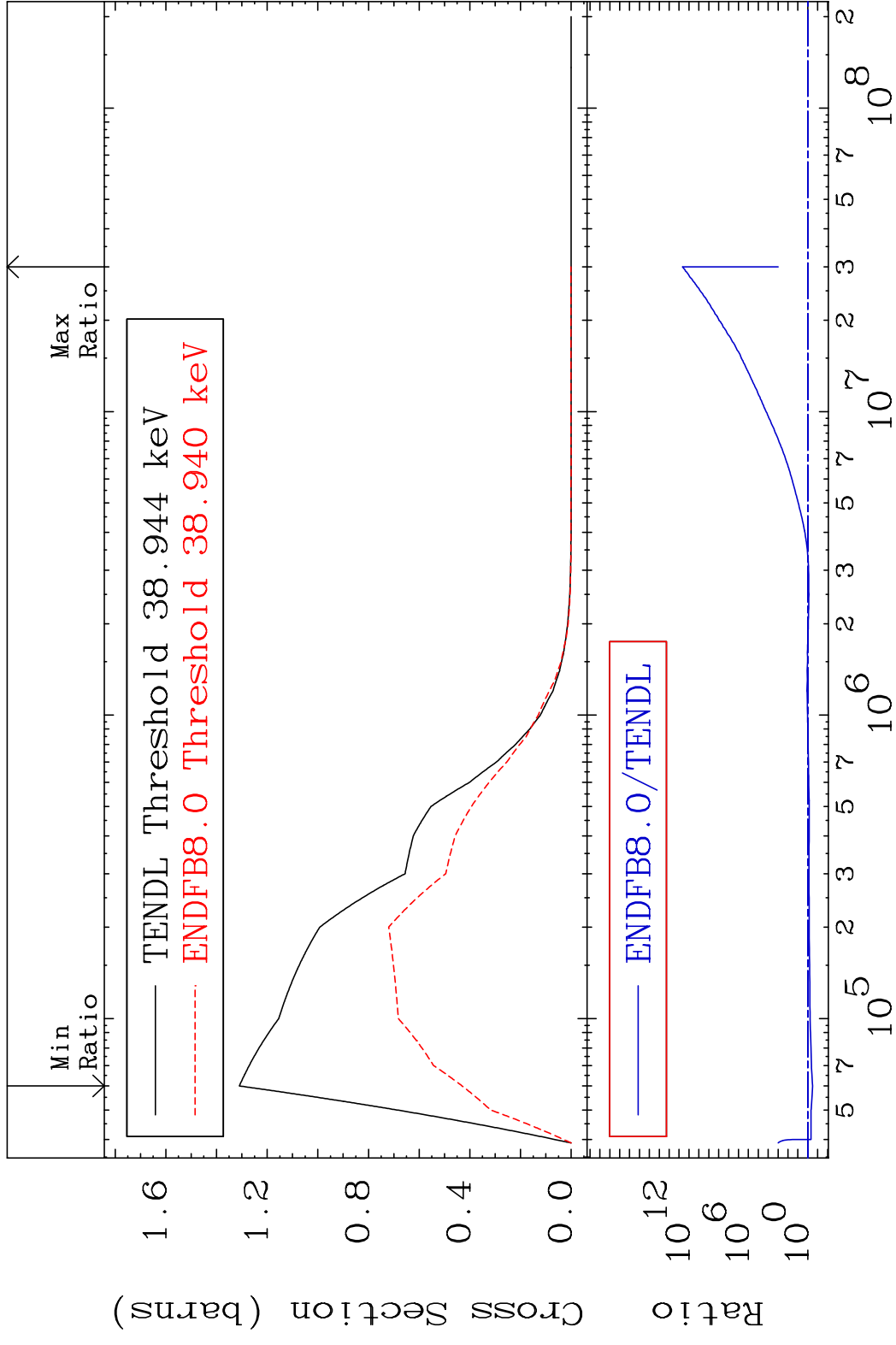


10

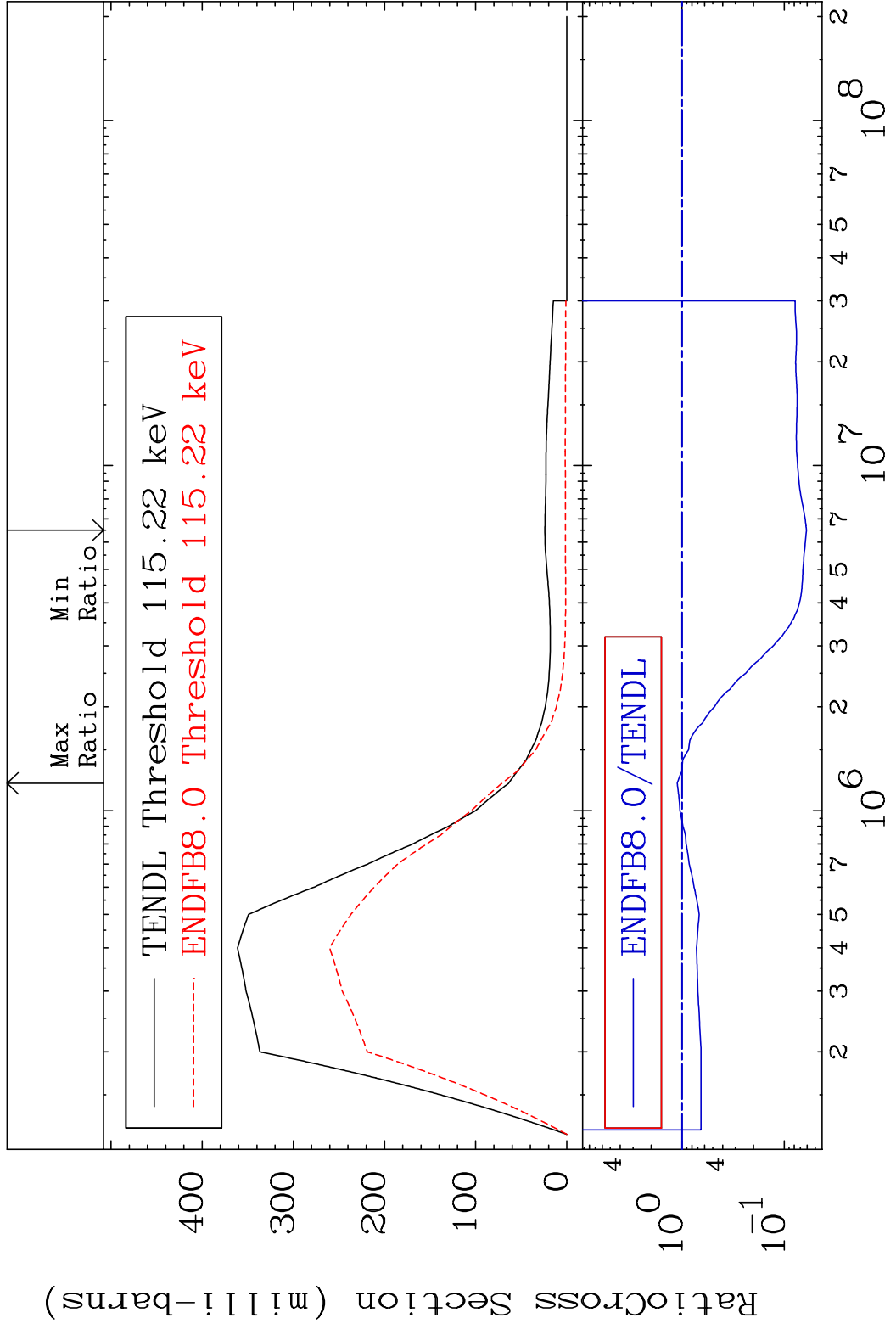
Incident Energy (MeV)

69-Tm-170

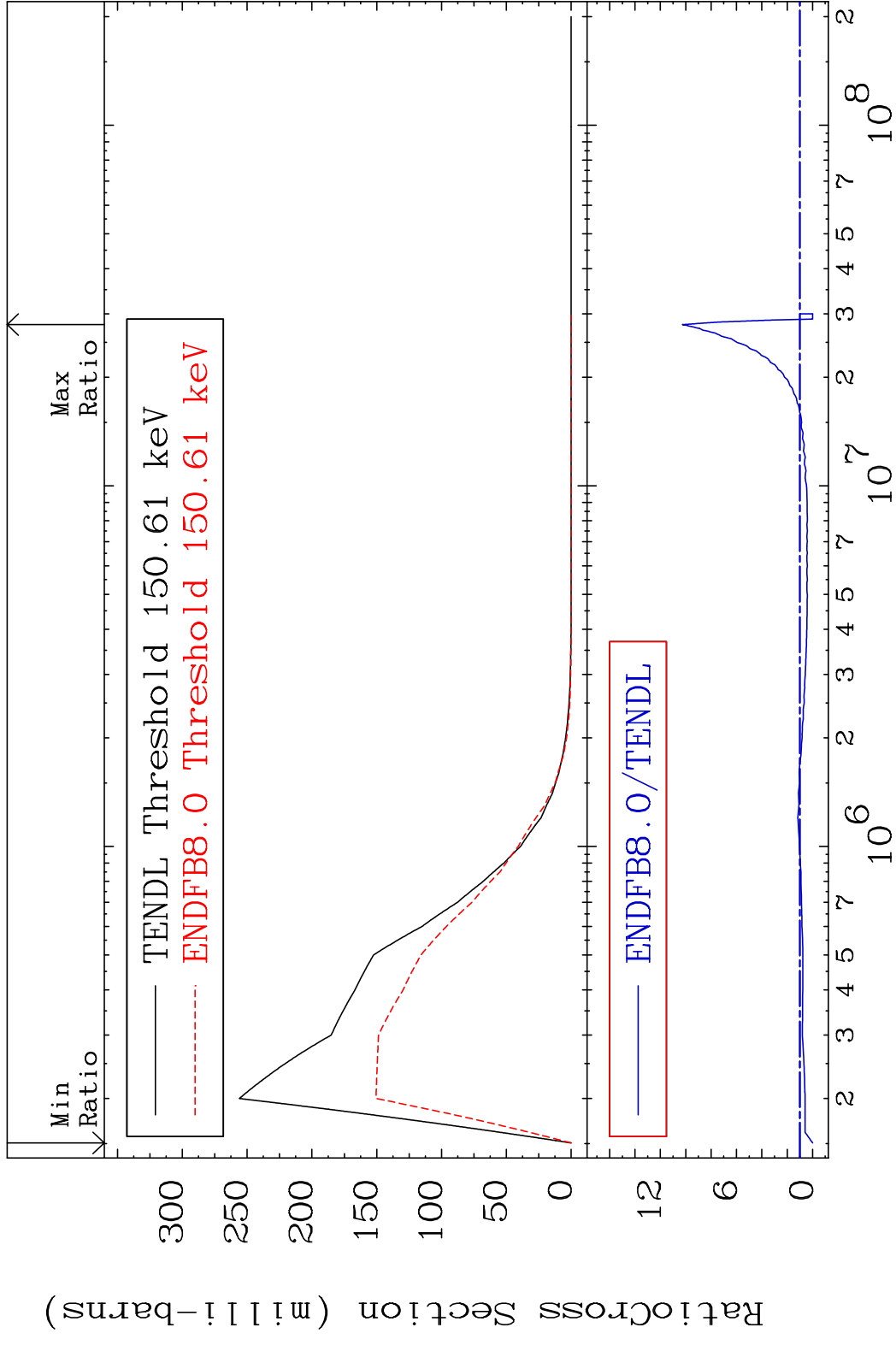
MAT 6928 MT= 51 (n,n') Level 69-Tm-170
 Cross Section -67.13 To 9999. %



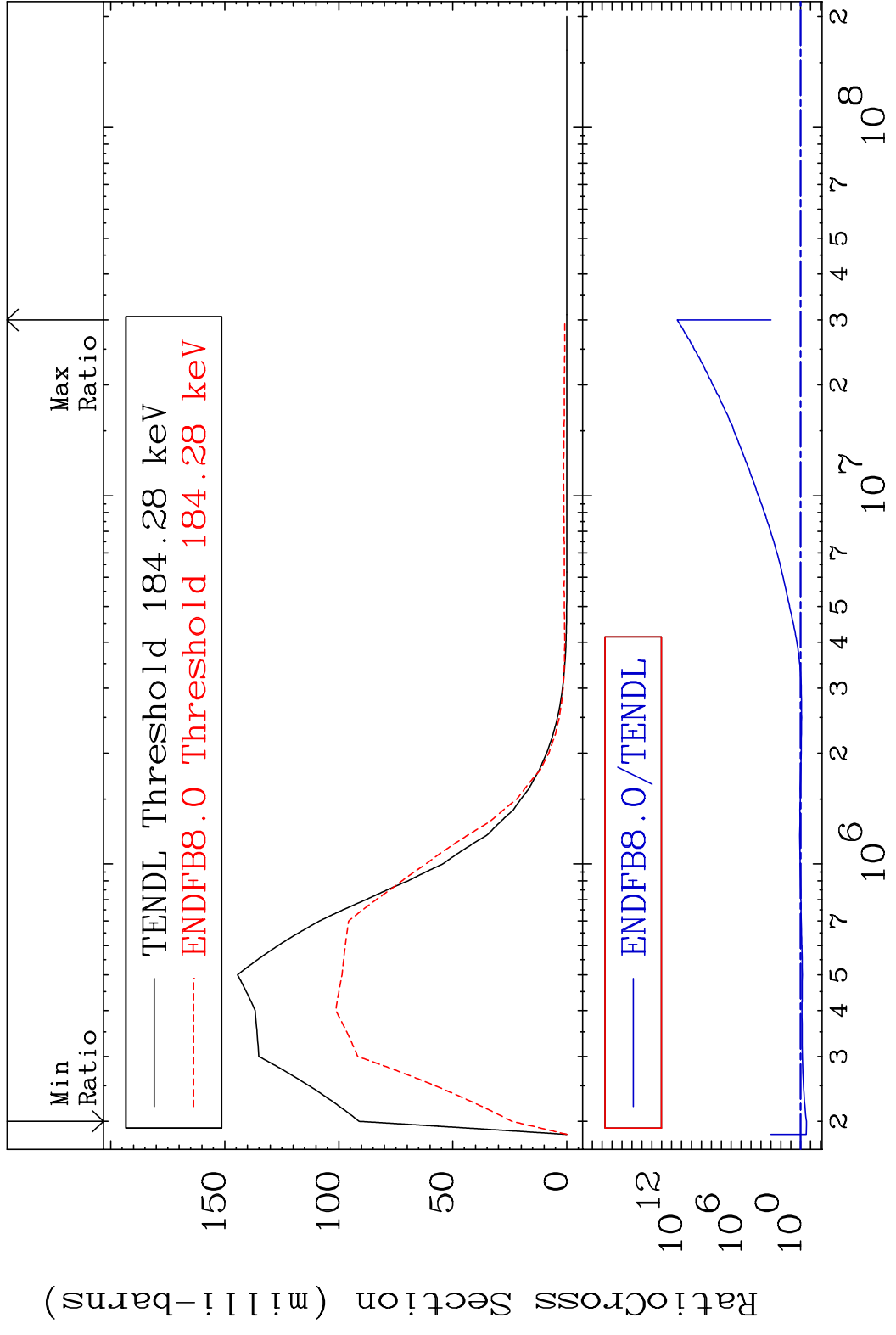
MAT 6928 MT= 52 (n, n') Level 69-Tm-170
 Cross Section -93.91 To 11.25 %



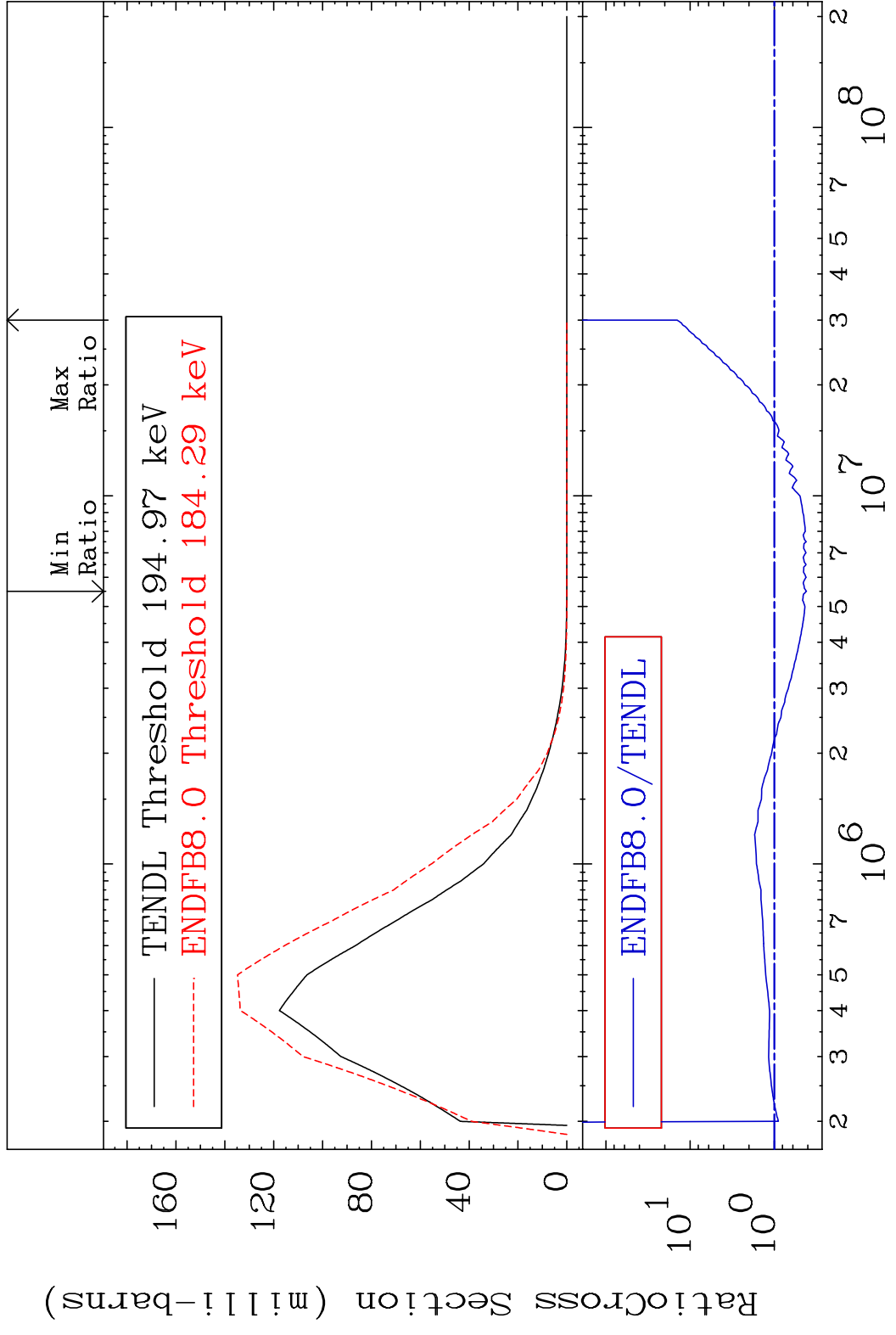
MAT 6928 MT= 53 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 926.6 %



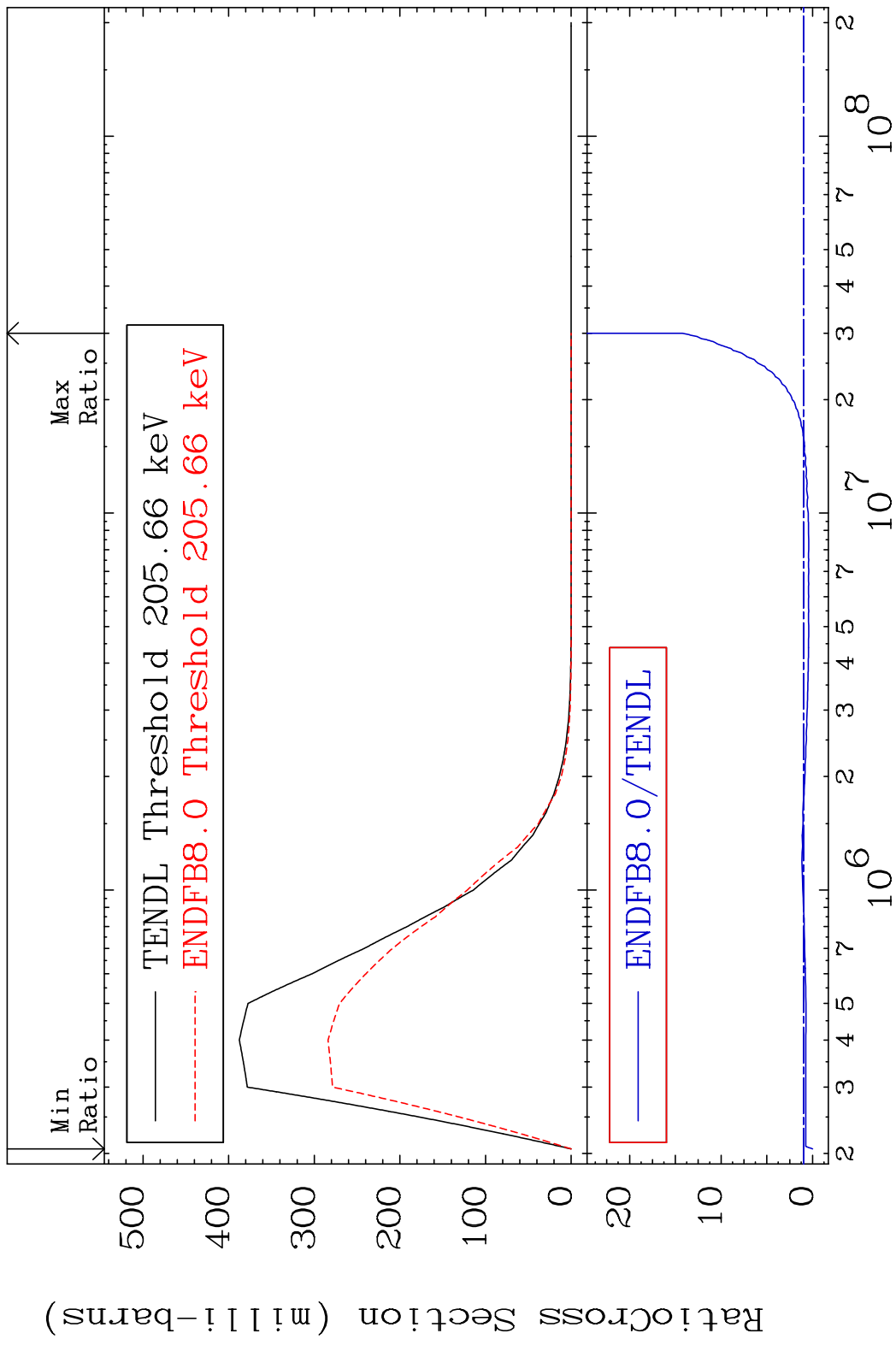
MAT 6928 MT= 54 (n,n') Level 69-Tm-170
 Cross Section -73.55 To 9999. %



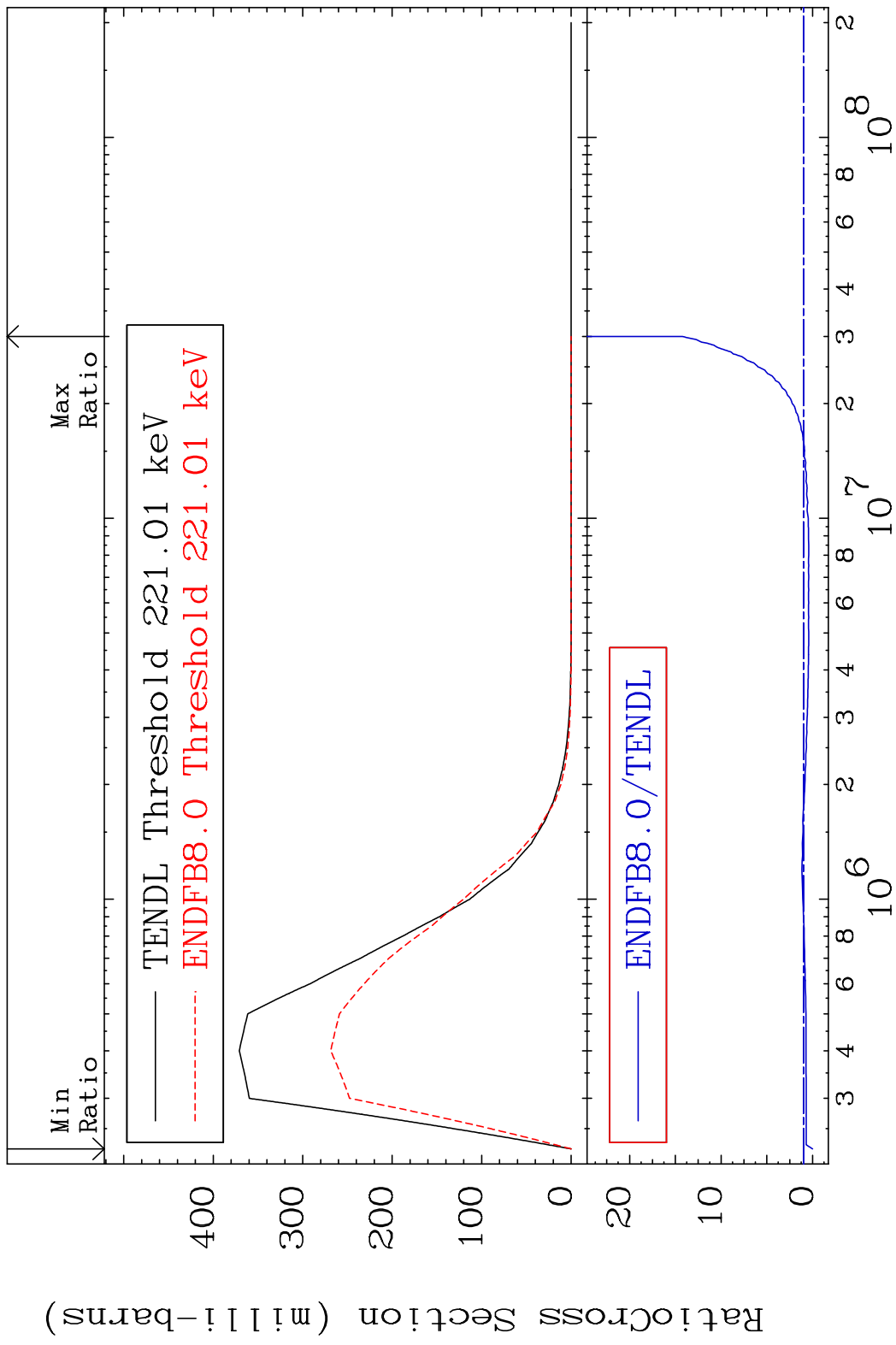
MAT 6928 MT= 55 (n, n') Level 69-Tm-170
 Cross Section -58.43 To 1322. %



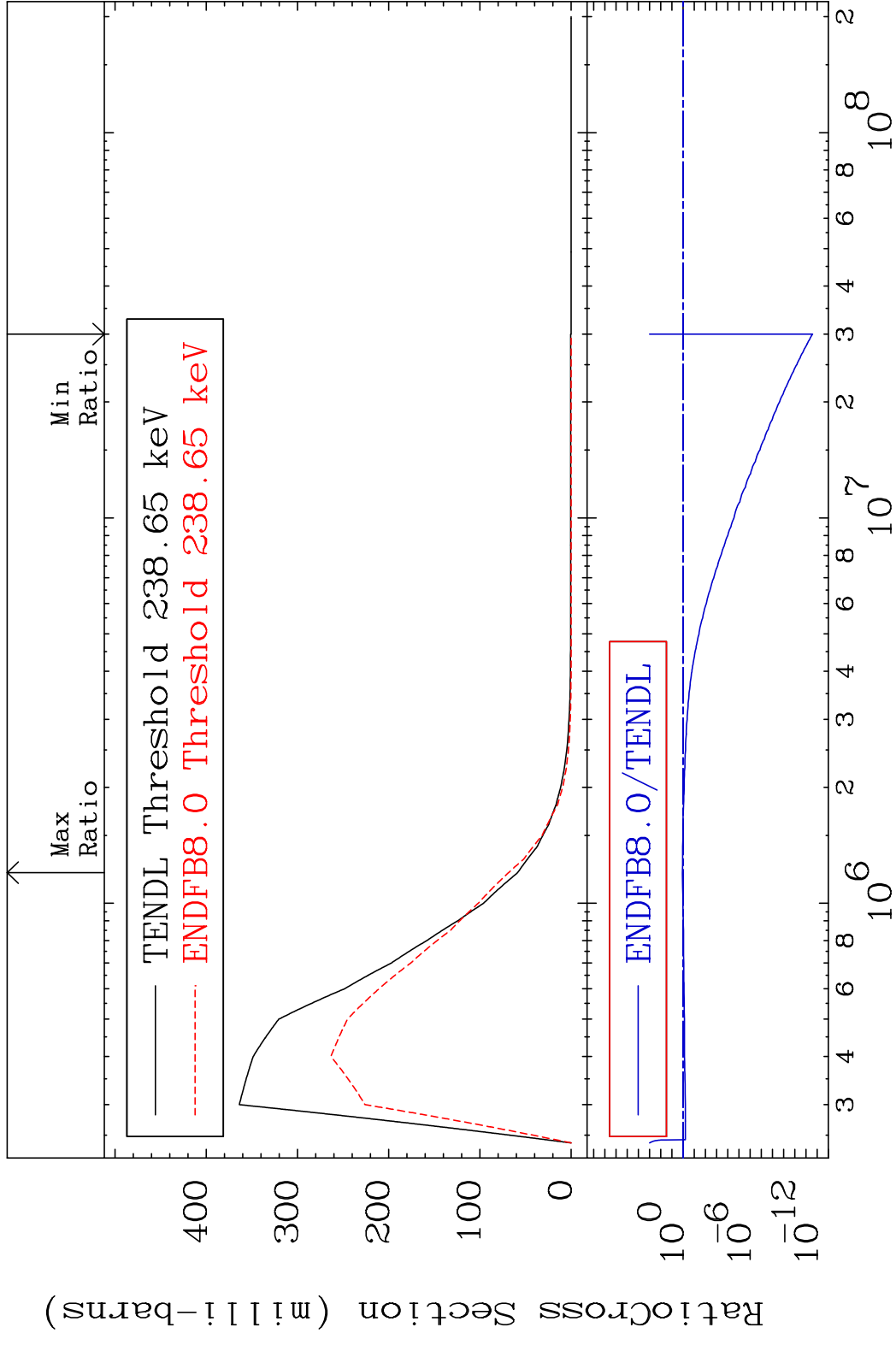
MAT 6928 MT= 56 (n,n') Level 69-Tm-170
 Cross Section -100.0 To 1323. %



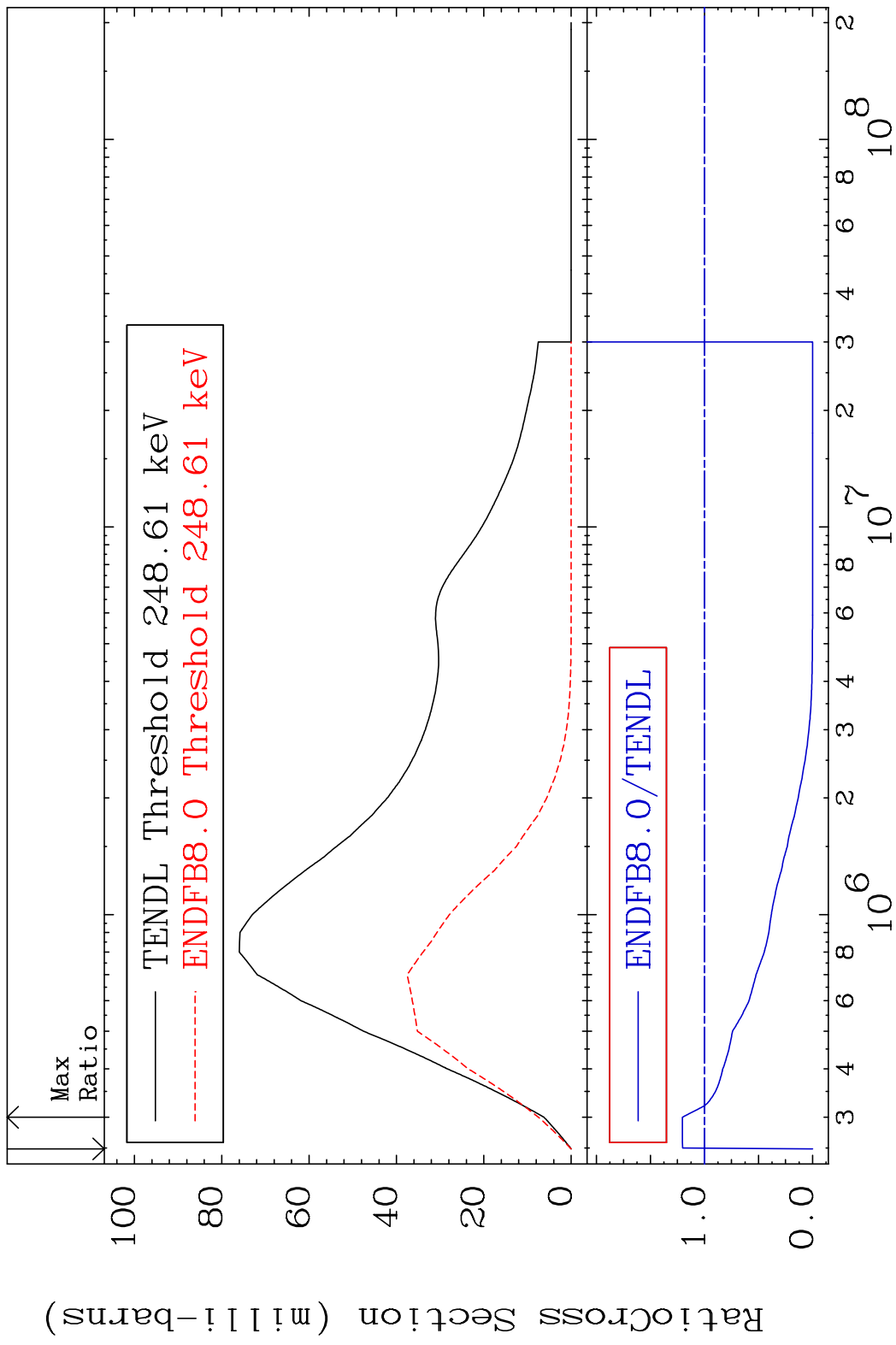
MAT 6928 MT= 57 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 1323. %



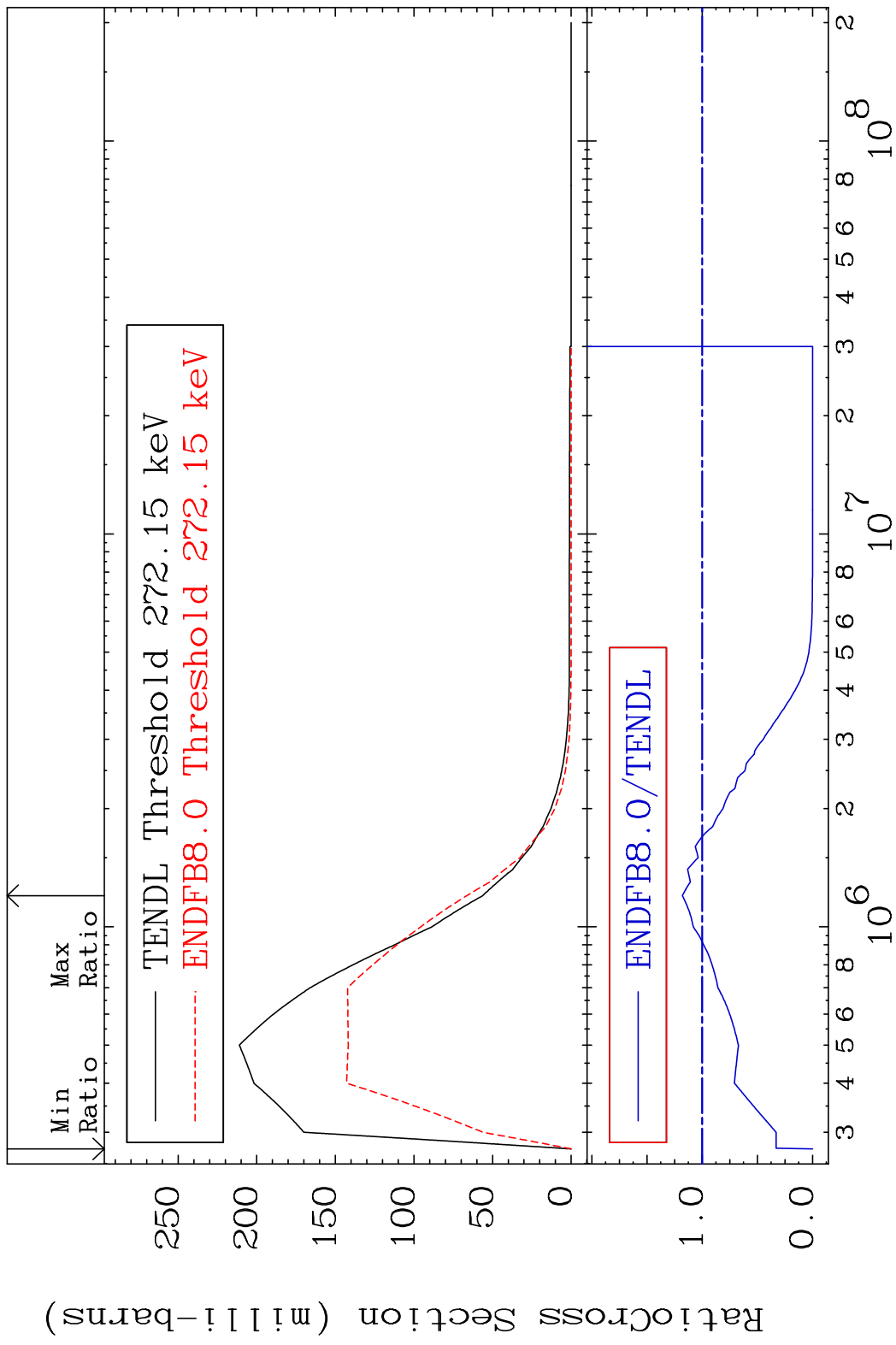
MAT 6928 MT= 58 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 16.97 %



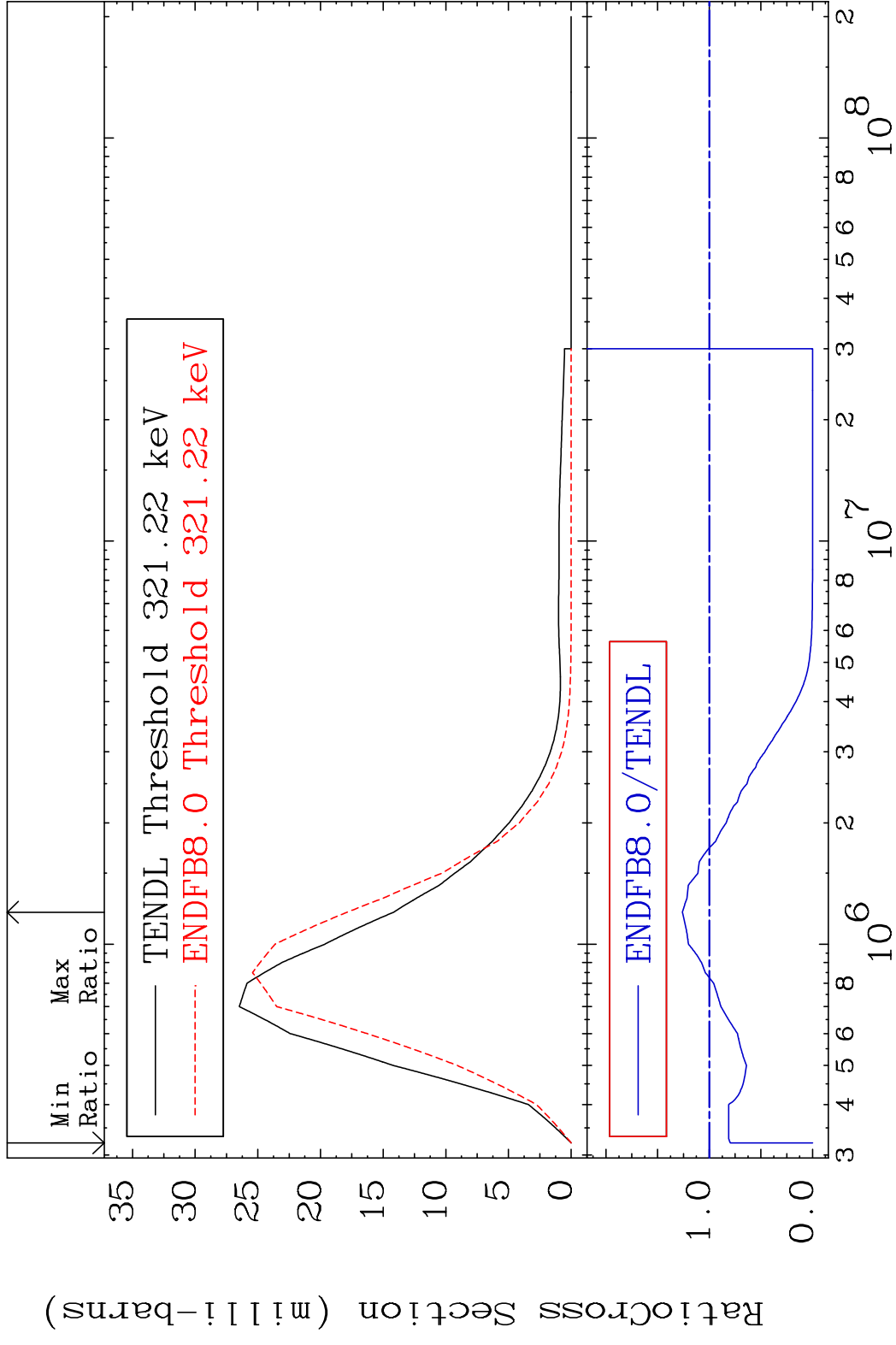
MAT 6928 MT= 59 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 20.49 %



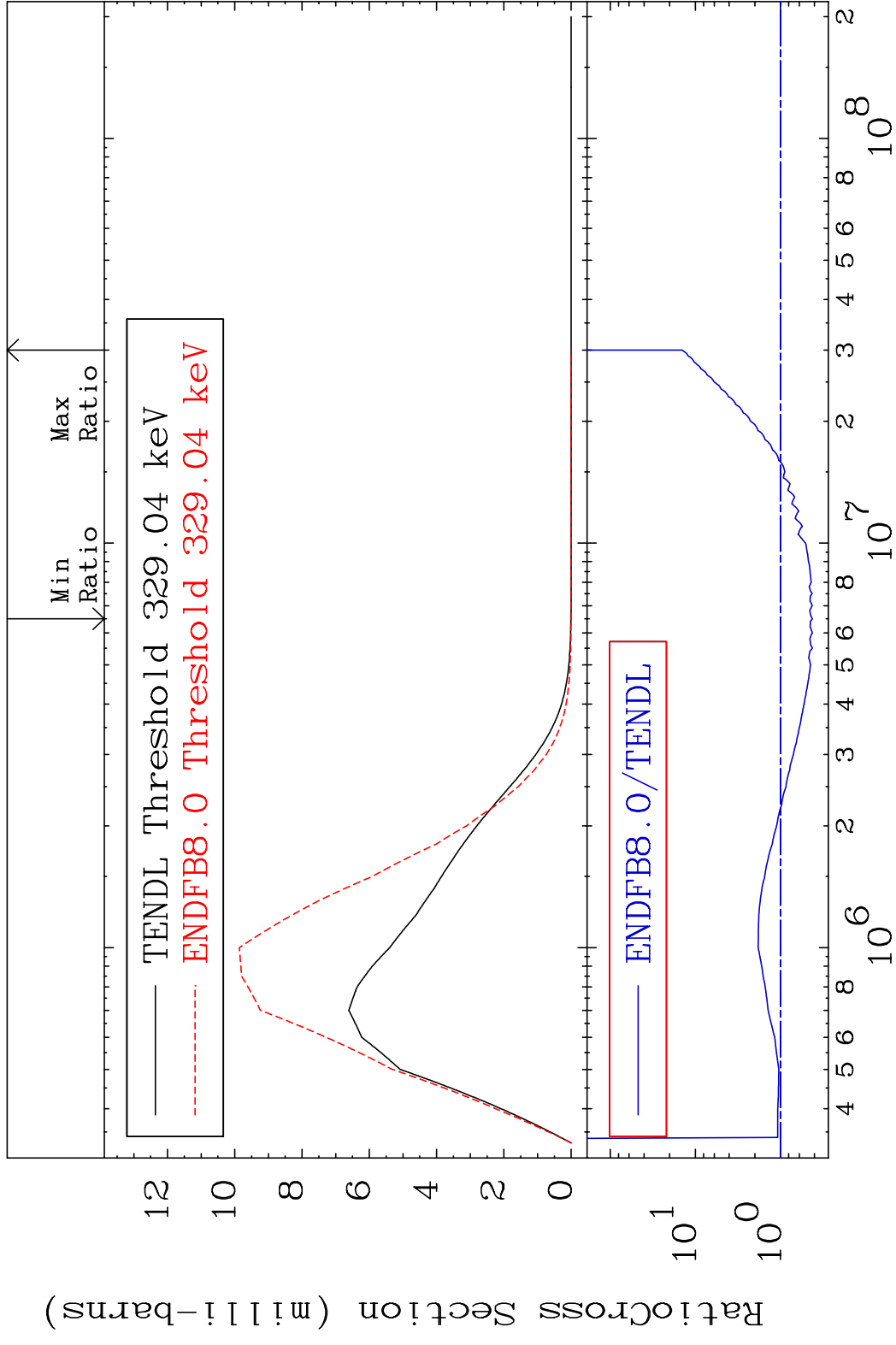
MAT 6928 MT= 60 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 17.94 %



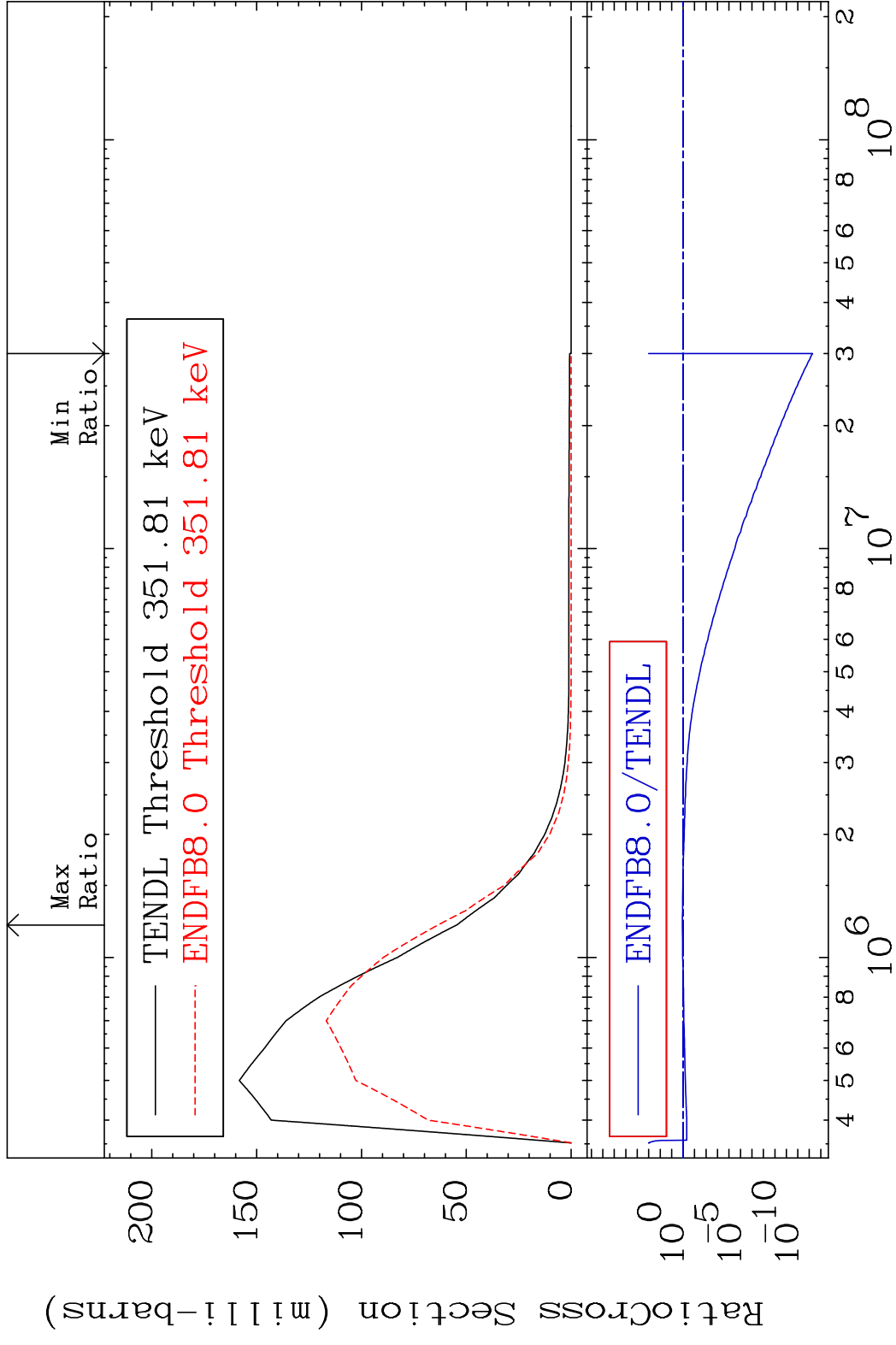
MAT 6928 MT= 61 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 26.07 %



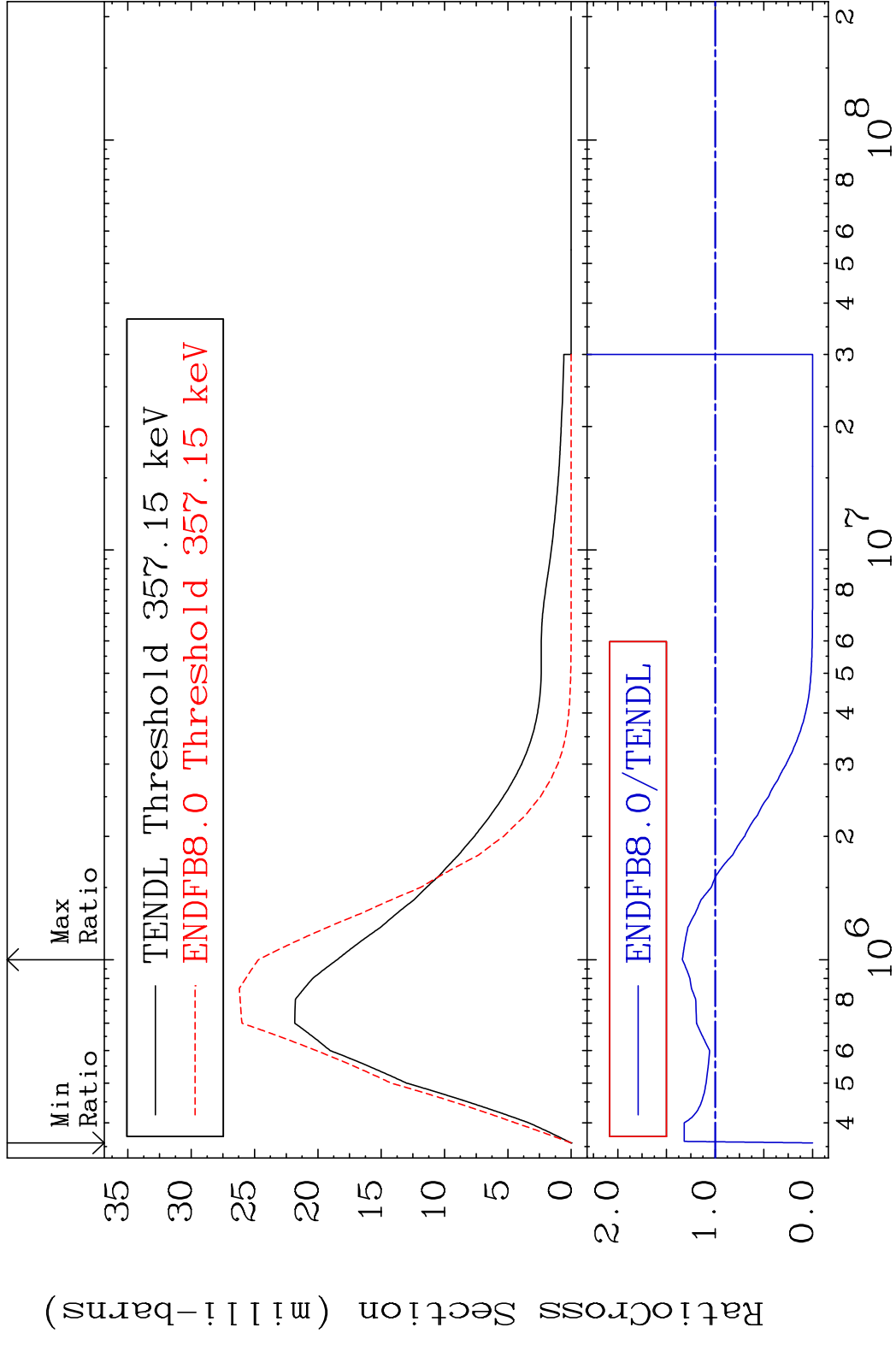
MAT 6928 MT= 62 (n, n') Level 69-Tm-170
 Cross Section -58.01 To 1321. %



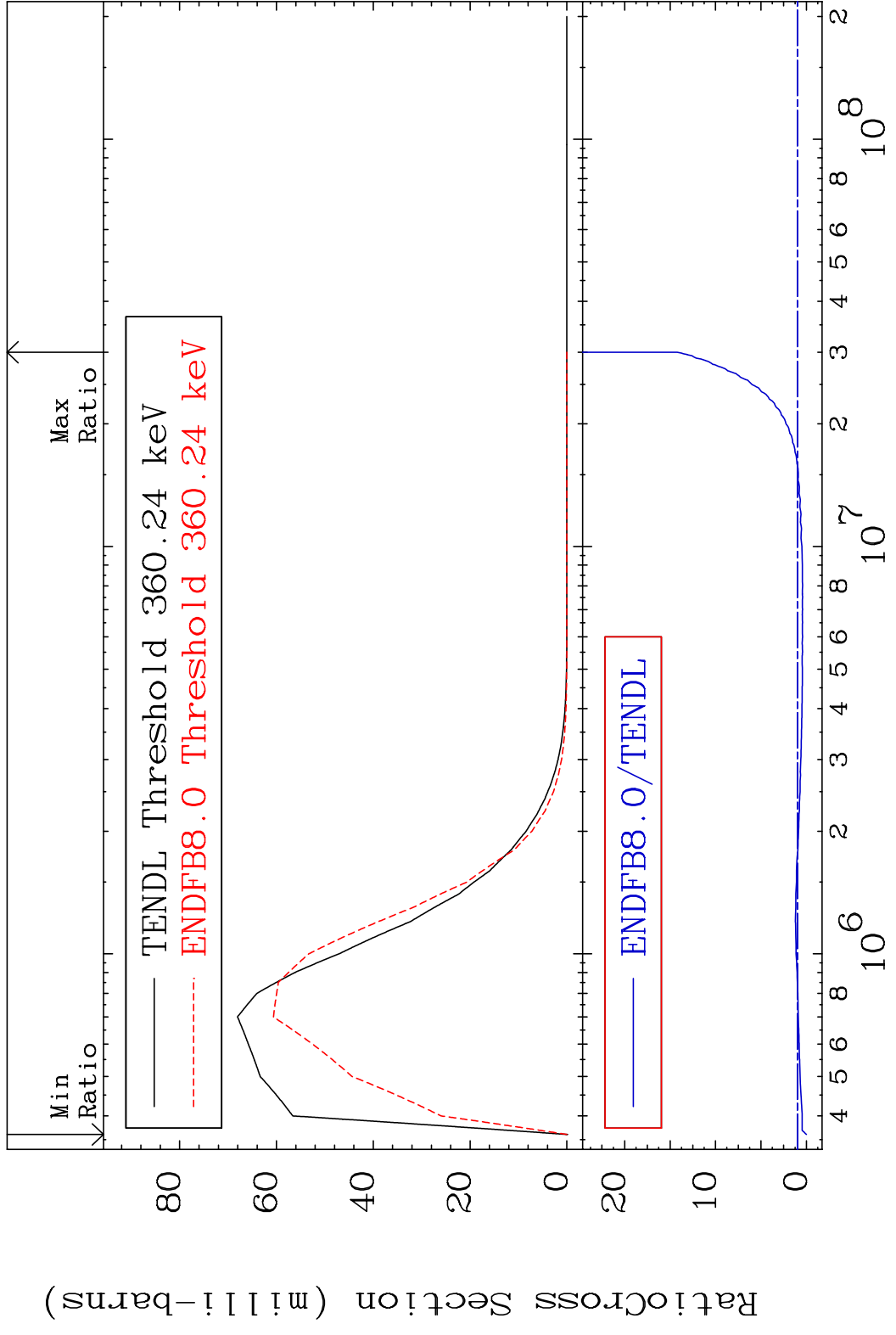
MAT 6928 MT= 63 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 16.42 %



MAT 6928 MT= 64 (n,n') Level 69-Tm-170
 Cross Section -100.0 To 33.67 %

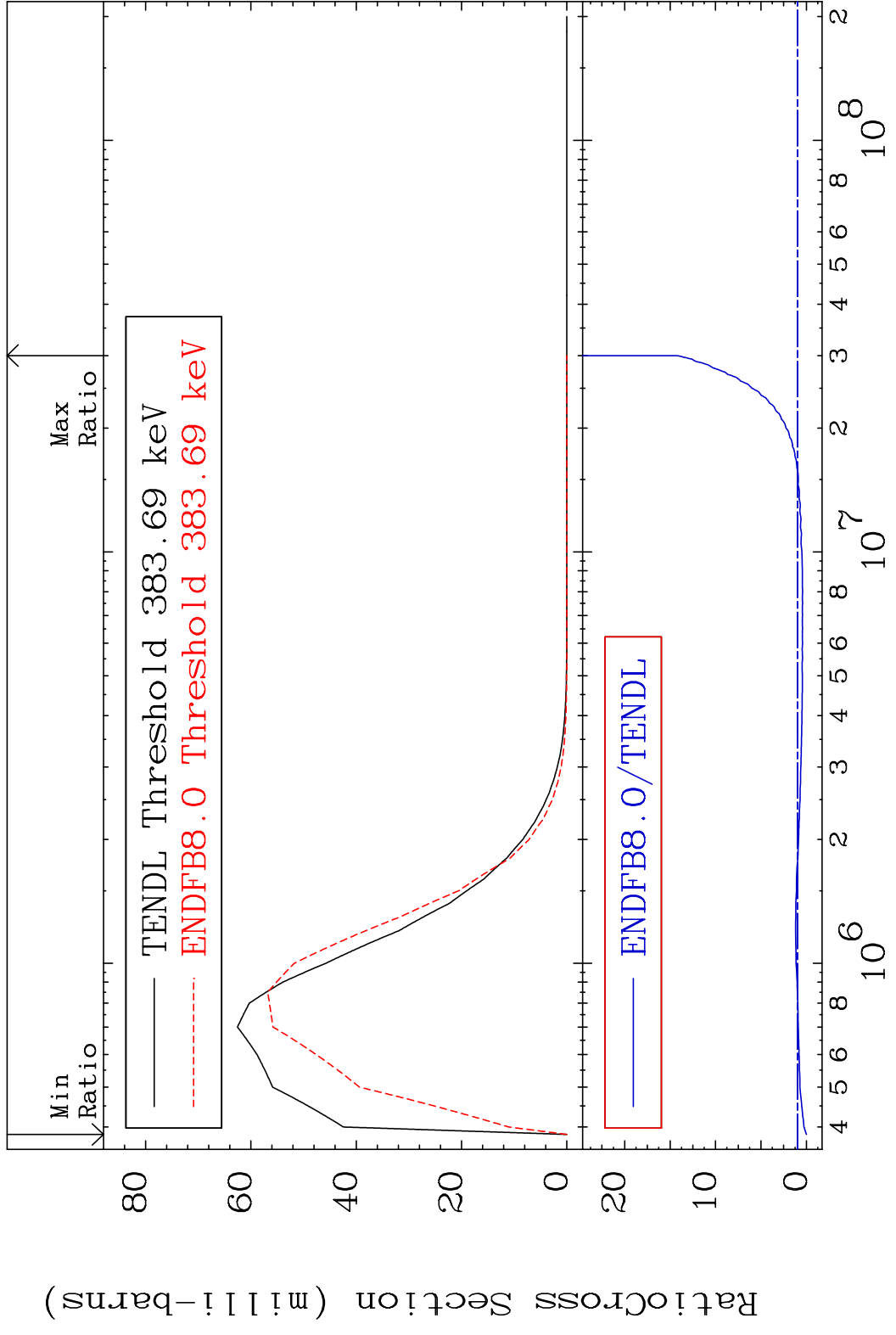


MAT 6928 MT= 65 (n,n') Level 69-Tm-170
 Cross Section -100.0 To 1322. %

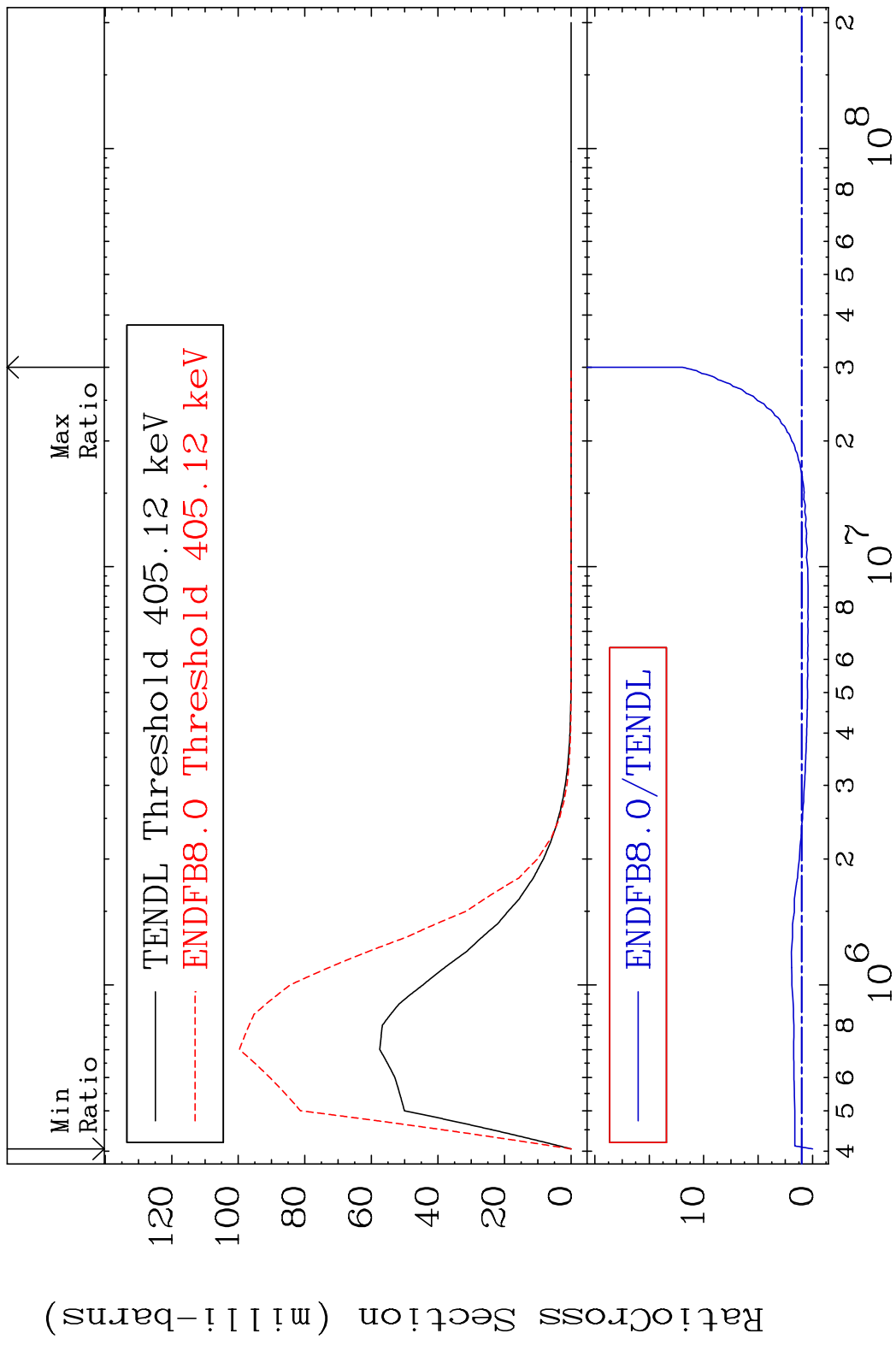


25 Incident Energy (eV) 69-Tm-170

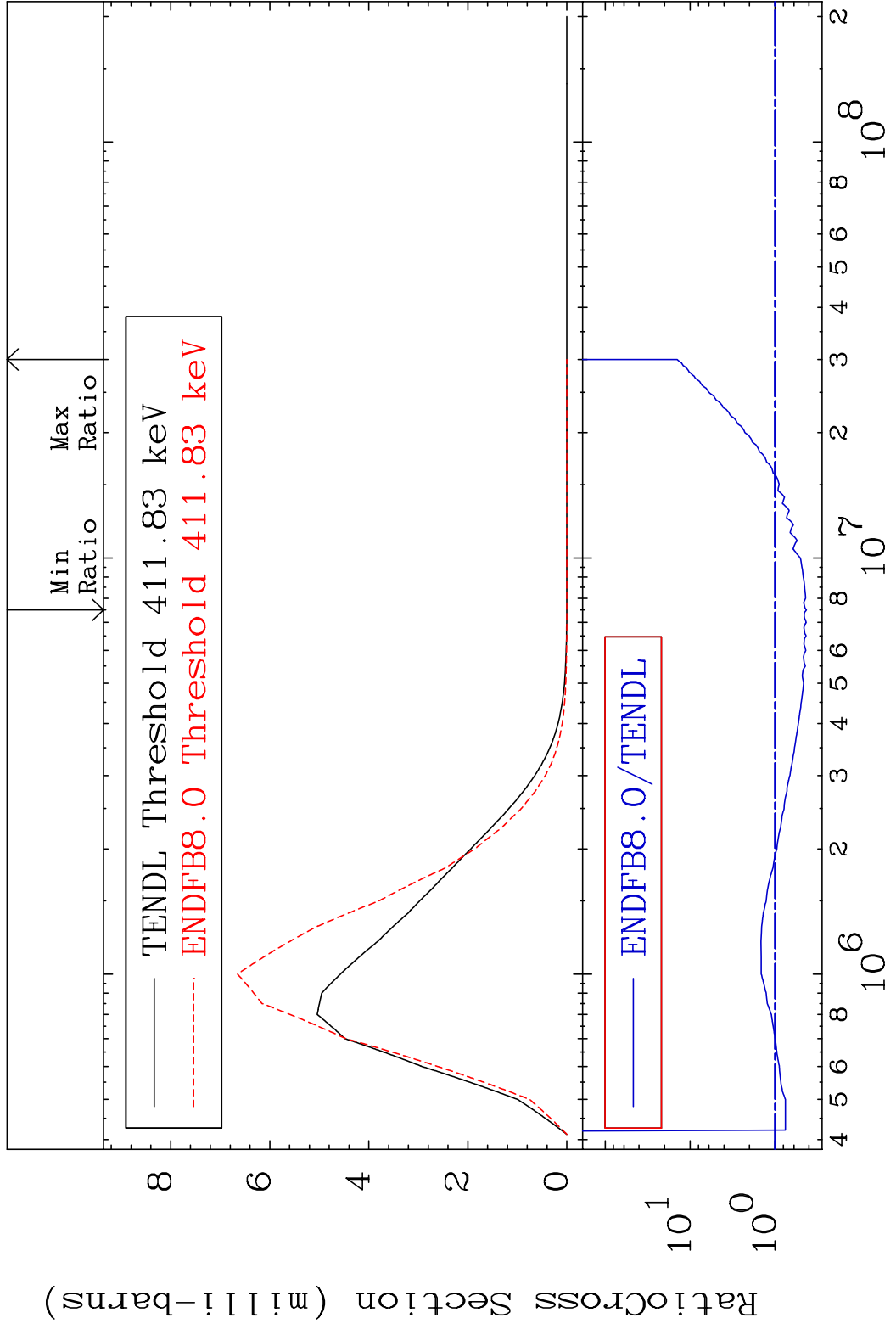
MAT 6928 MT= 66 (n,n') Level 69-Tm-170
 Cross Section -100.0 To 1322. %



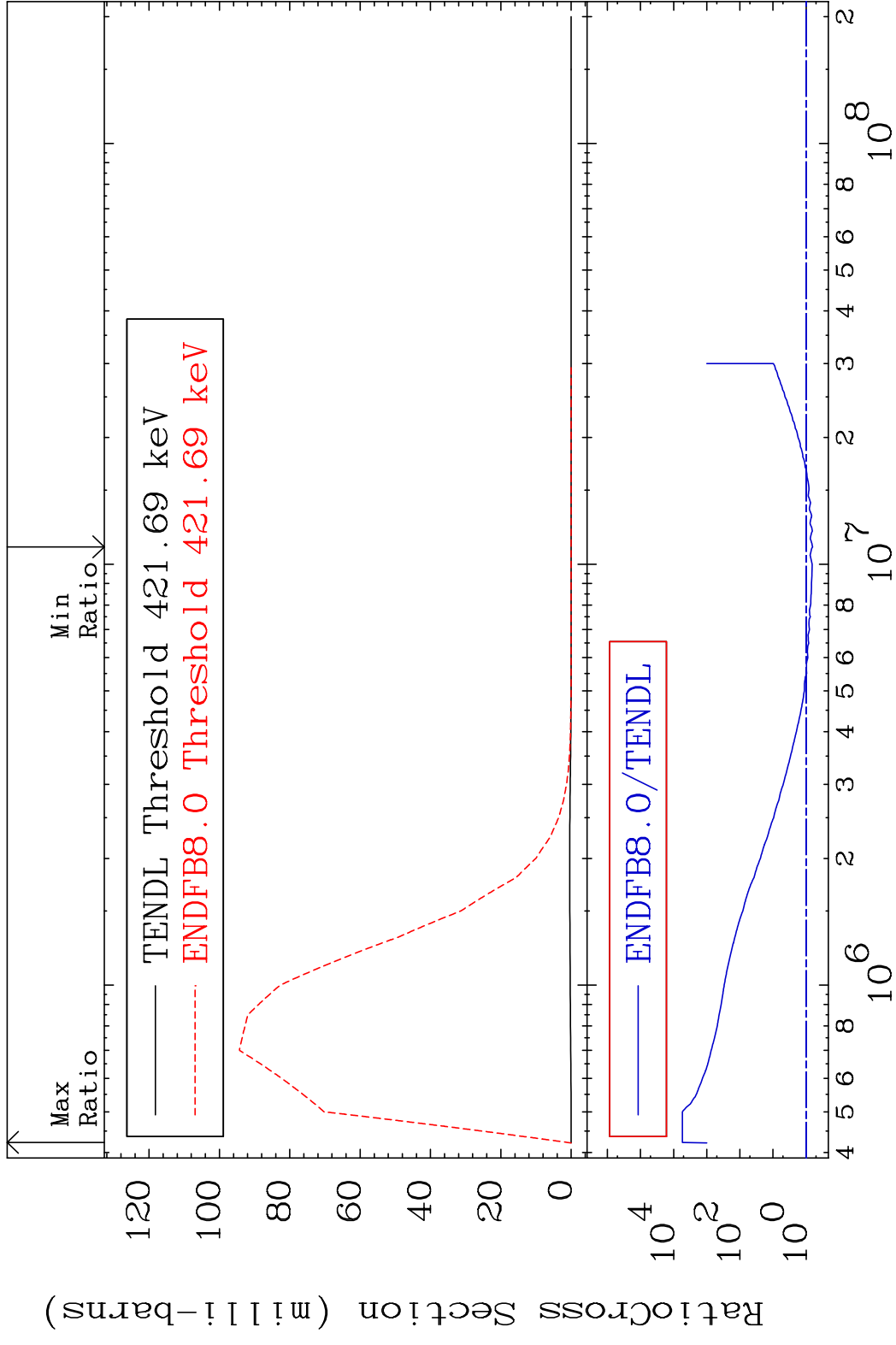
MAT 6928 MT= 67 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 1096. %



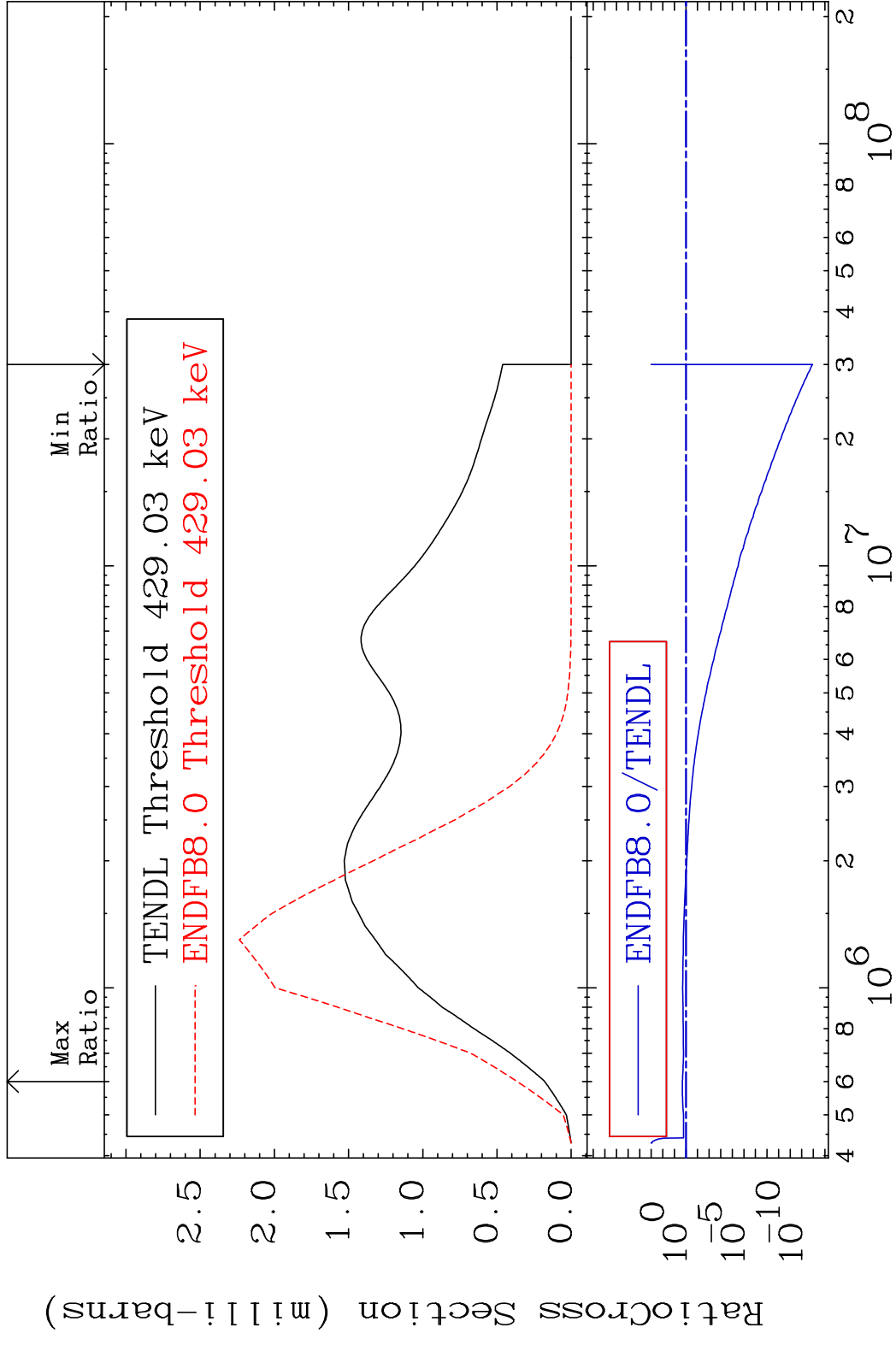
MAT 6928 MT= 68 (n, n') Level 69-Tm-170
 Cross Section -57.22 To 1322. %



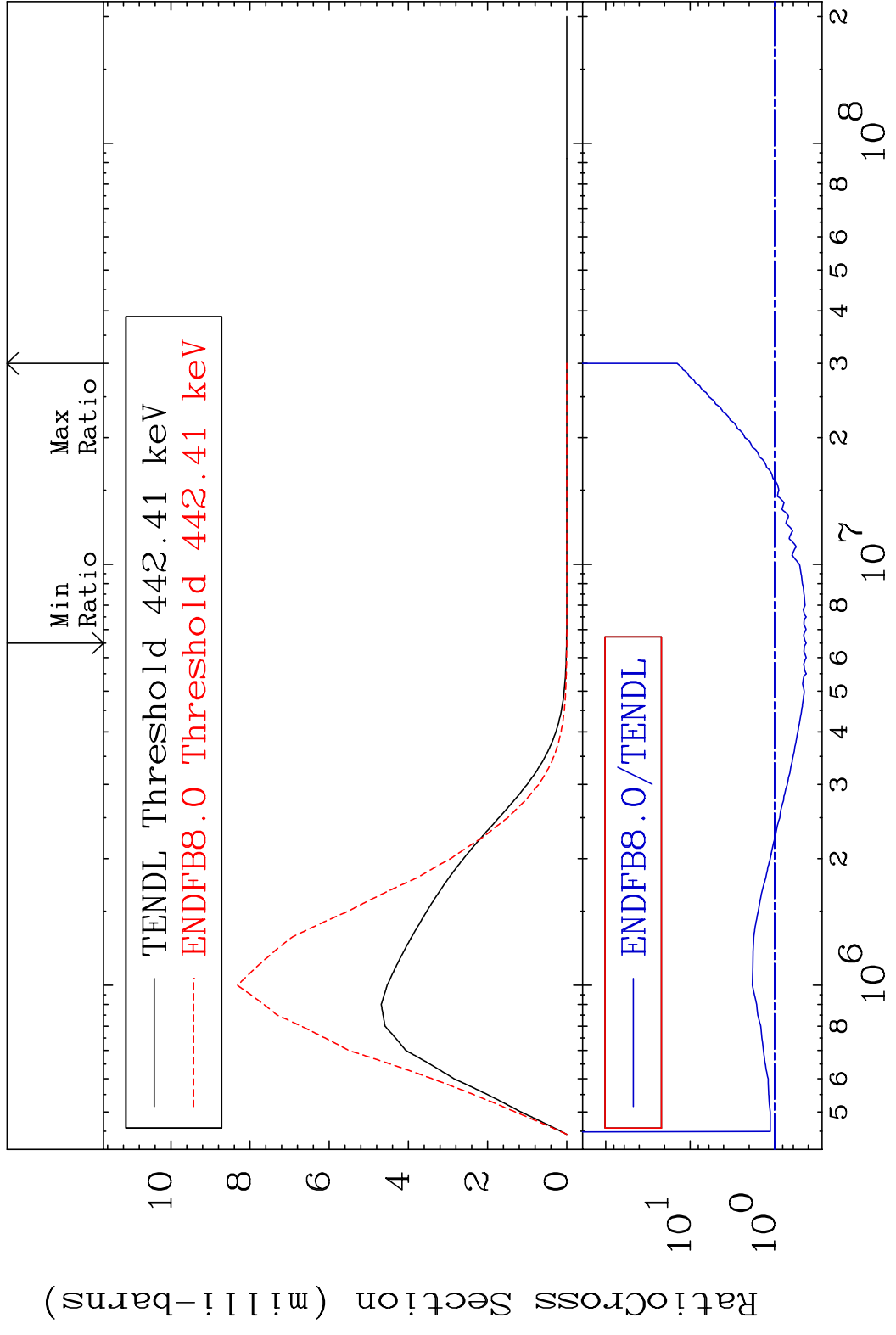
MAT 6928 MT= 69 (n, n') Level 69-Tm-170
 Cross Section -35.88 To 9999. %



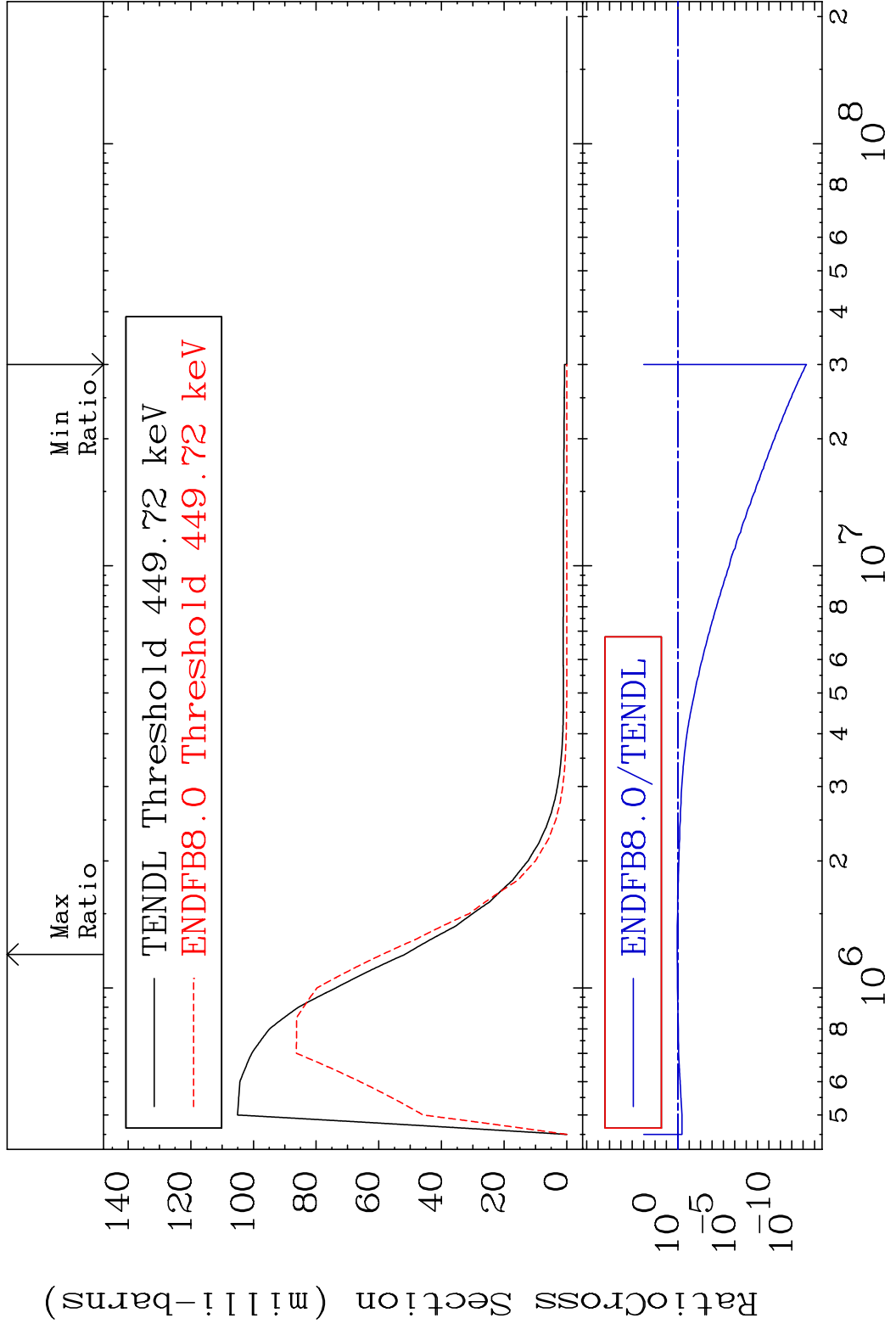
MAT 6928 MT= 70 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 104.6 %



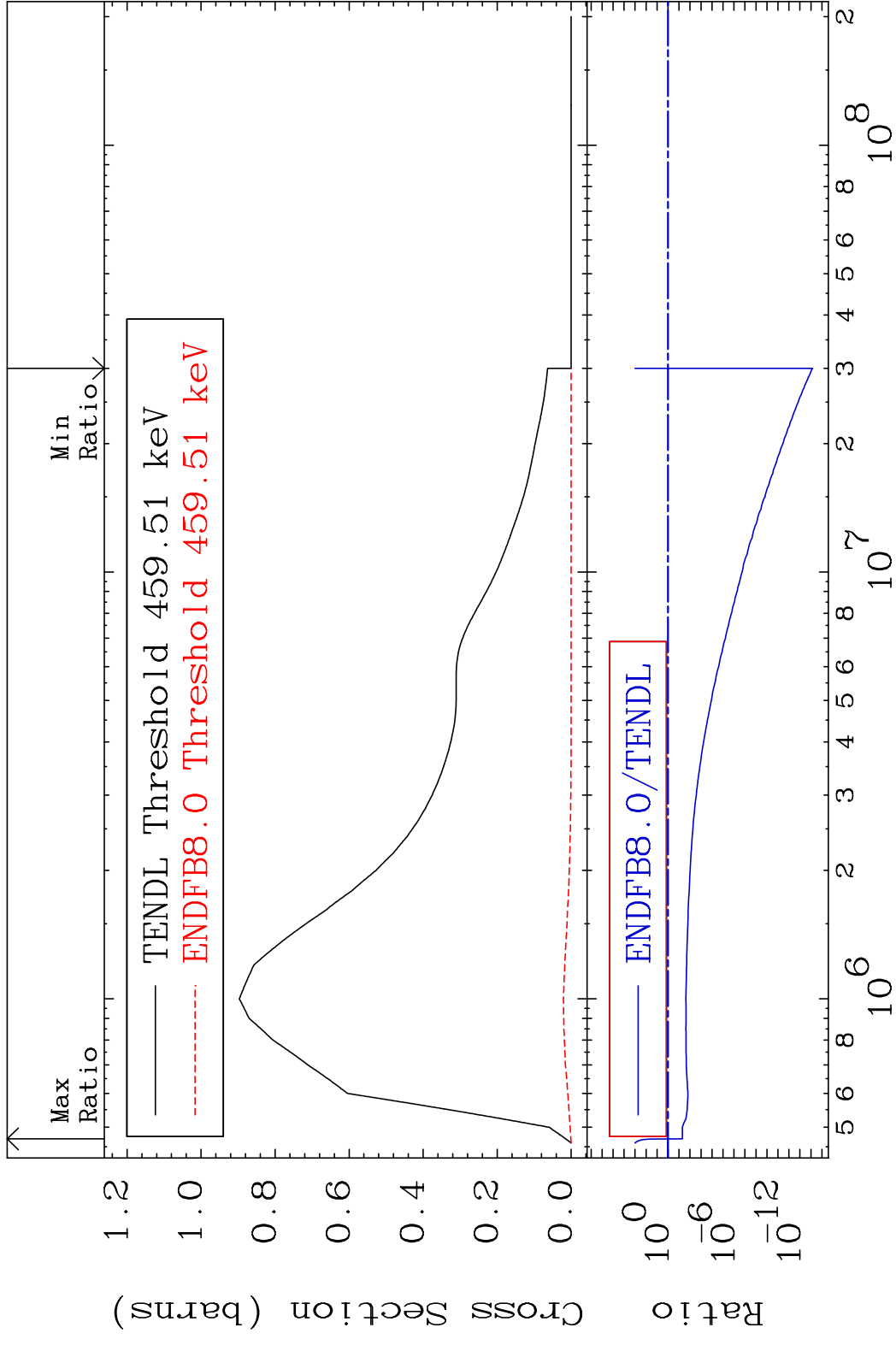
MAT 6928 MT= 71 (n, n') Level 69-Tm-170
 Cross Section -57.99 To 1321. %



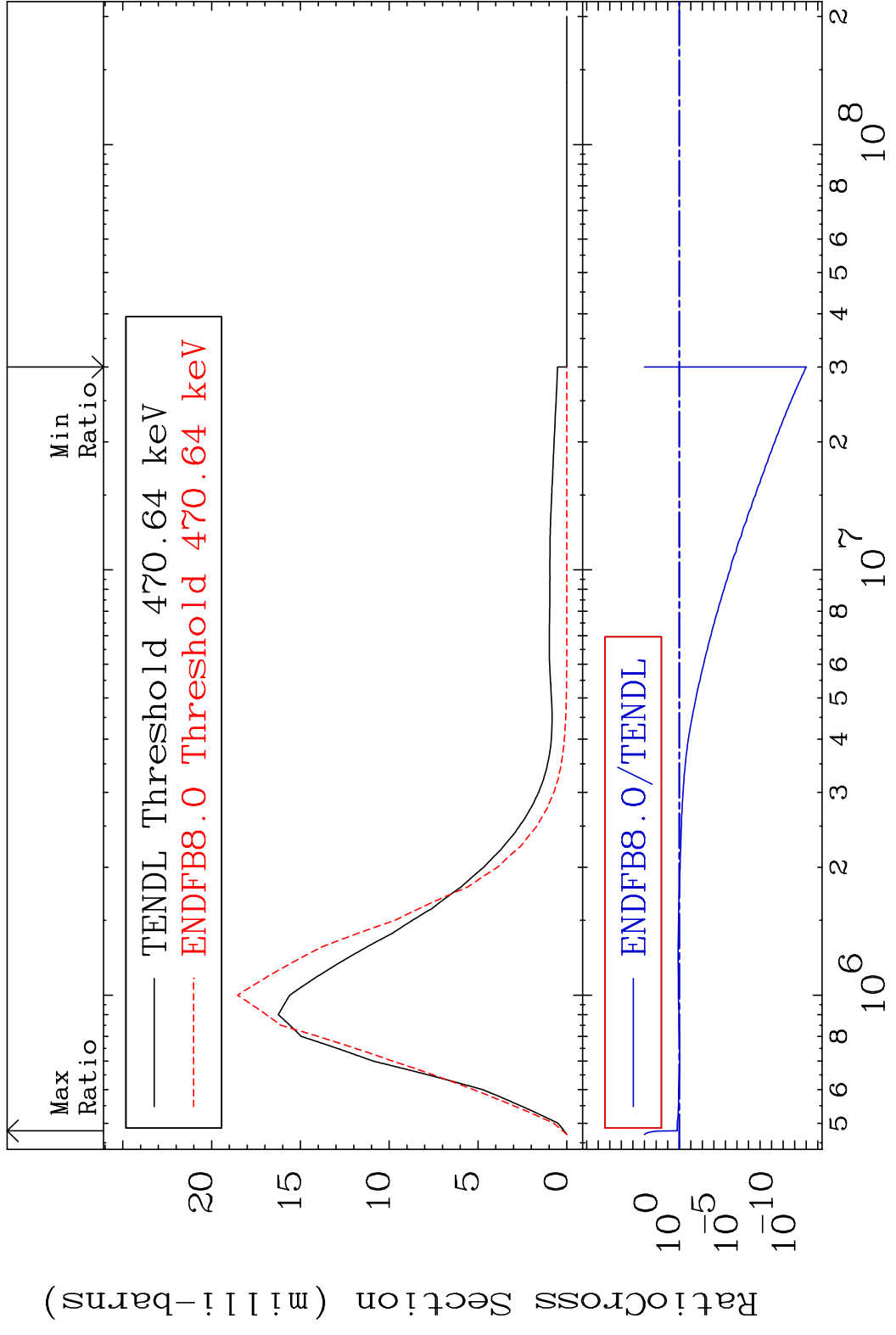
MAT 6928 MT= 72 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 13.92 %



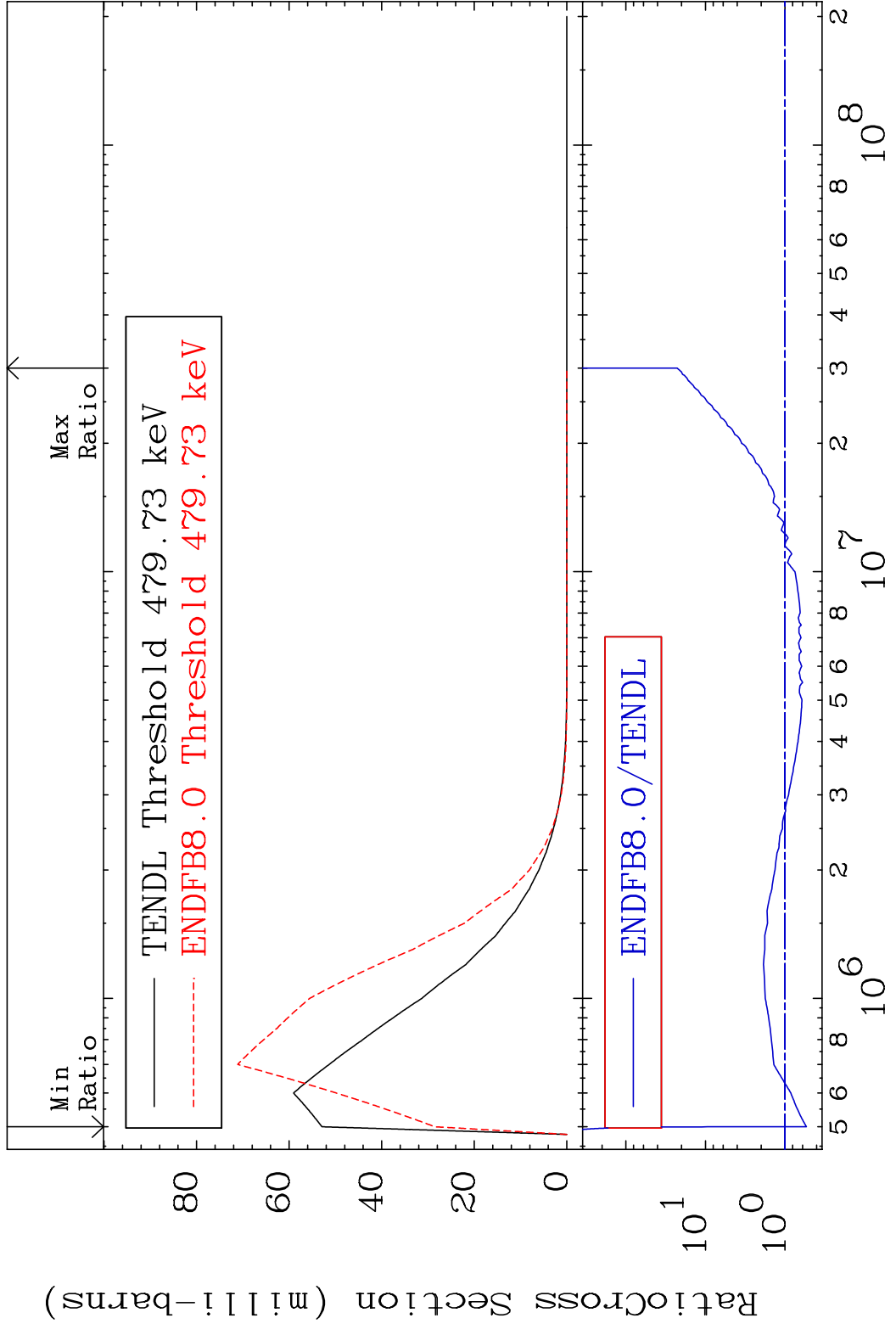
MAT 6928 MT= 73 (n, n') Level 69-Tm-170
 Cross Section -100.0 To -95.05%



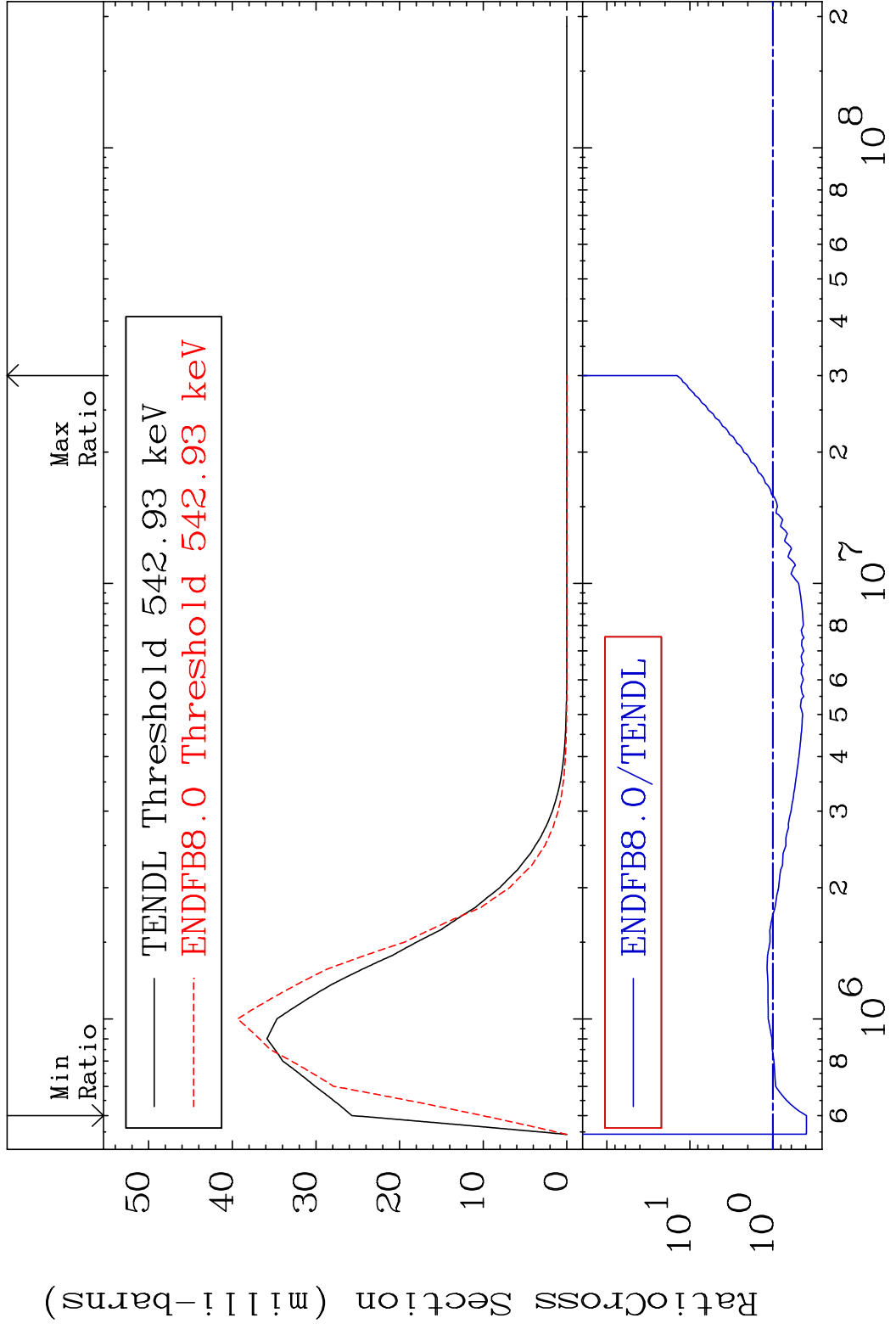
MAT 6928 MT= 74 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 48.26 %



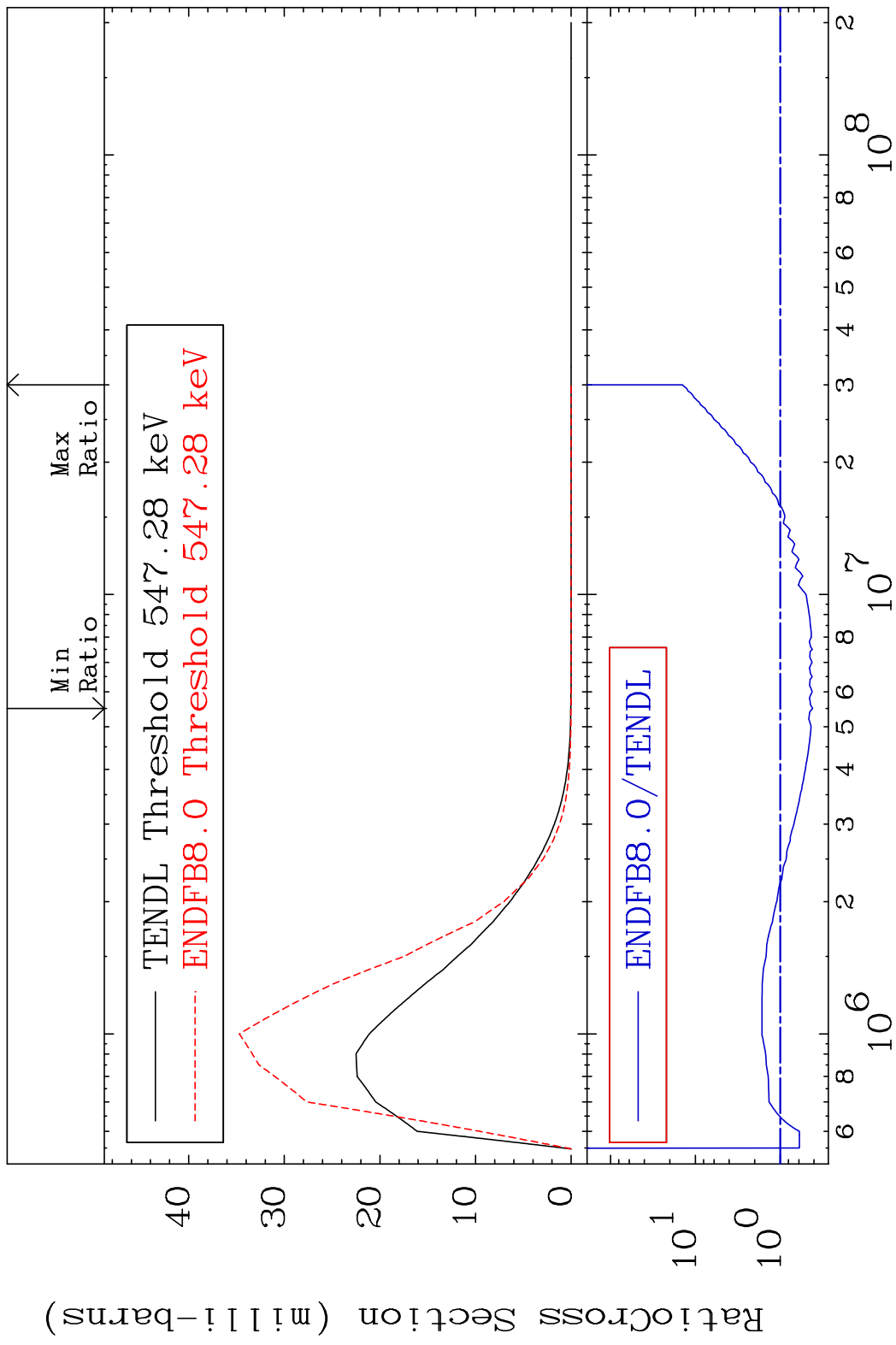
MAT 6928 MT= 75 (n, n') Level 69-Tm-170
 Cross Section -46.12 To 2168. %



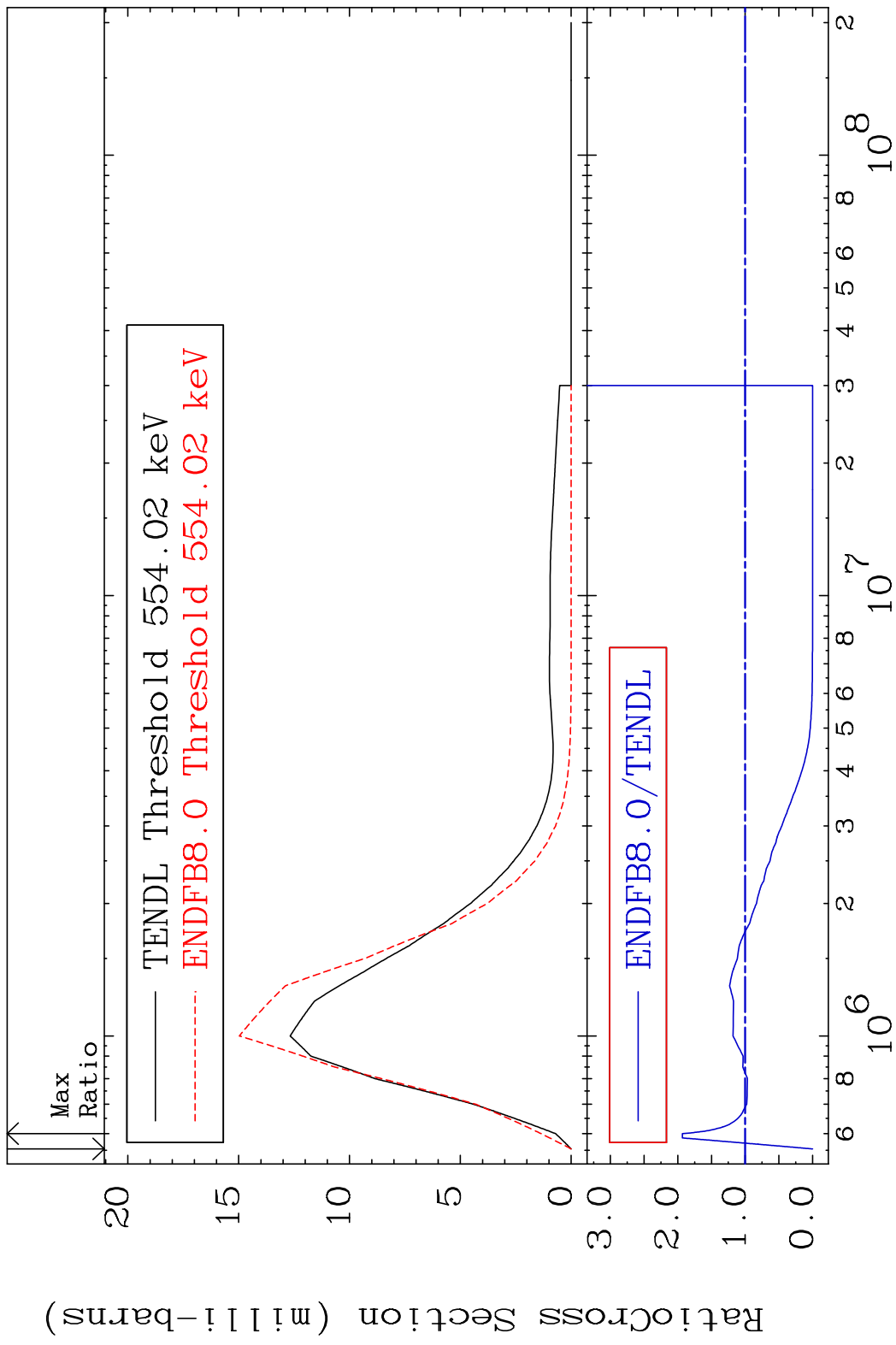
MAT 6928 MT= 76 (n,n') Level 69-Tm-170
 Cross Section -60.60 To 1322. %



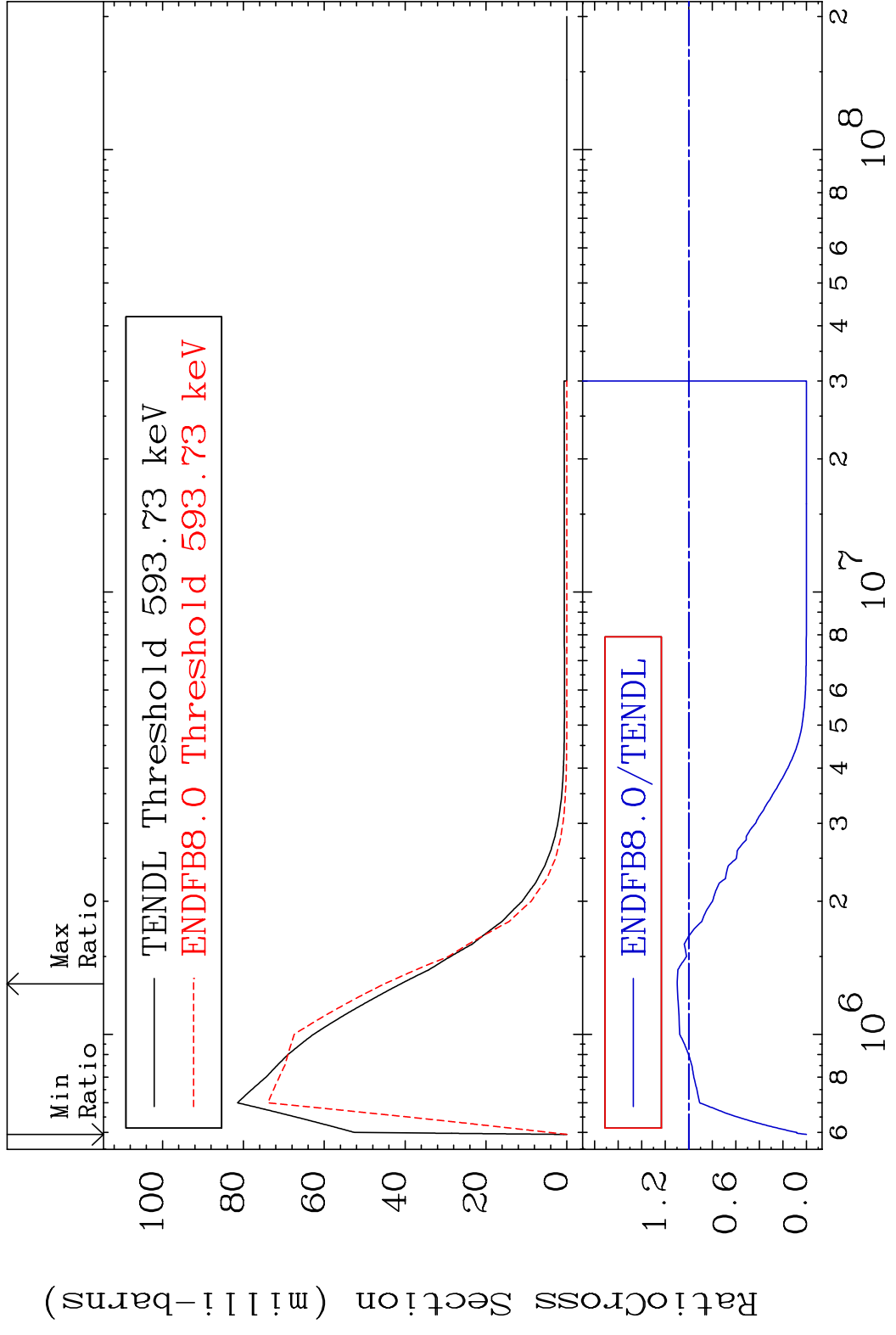
MAT 6928 MT= 77 (n, n') Level 69-Tm-170
 Cross Section -58.45 To 1322. %



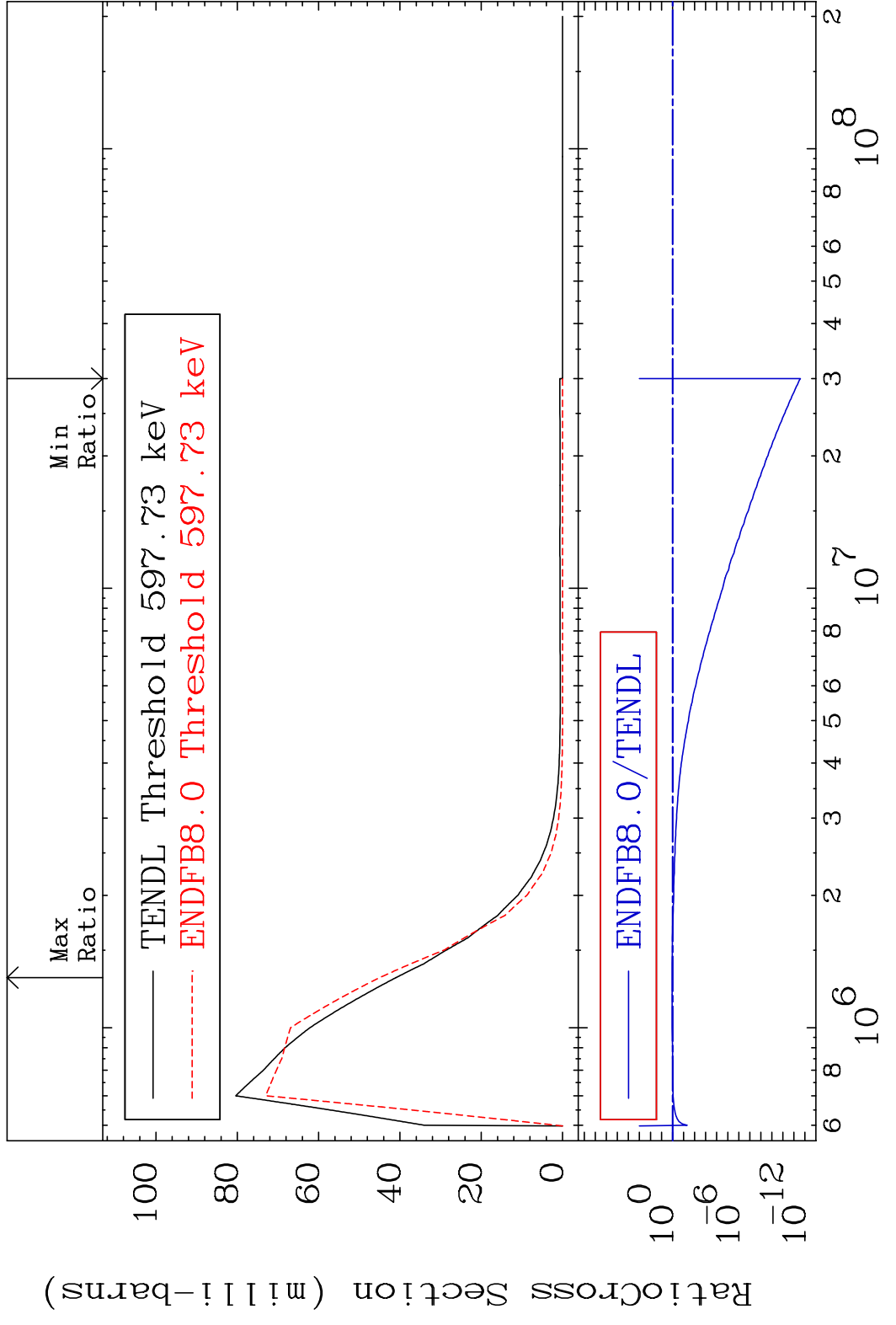
MAT 6928 MT= 78 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 93.25 %



MAT 6928 MT= 79 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 9.791 %

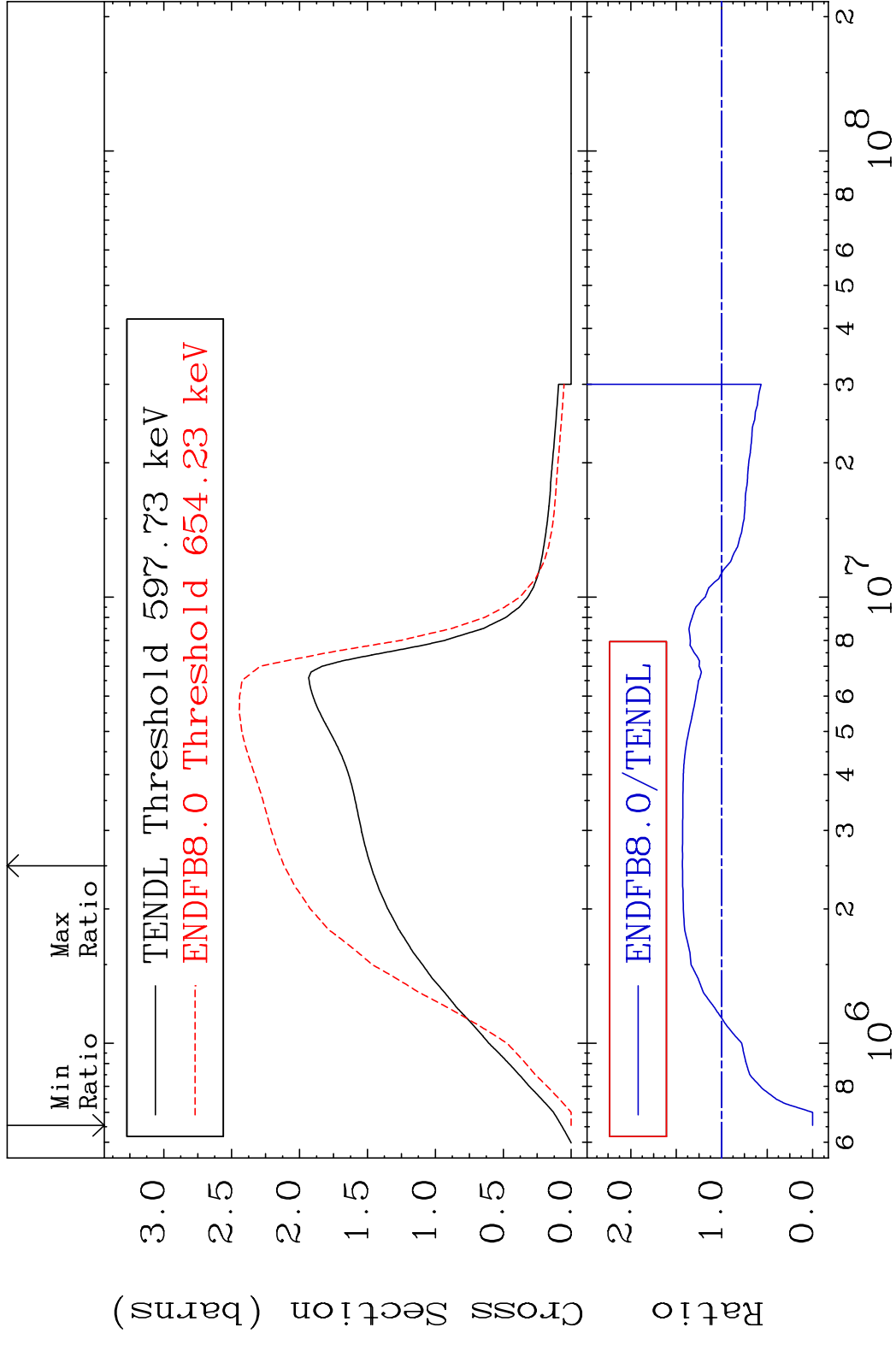


MAT 6928 MT= 80 (n, n') Level 69-Tm-170
 Cross Section -100.0 To 9.851 %



40 Incident Energy (eV) 69-Tm-170

MAT 6928 (n,n') Continuum 69-Tm-170
 Cross Section -100.0 To 43.31 %

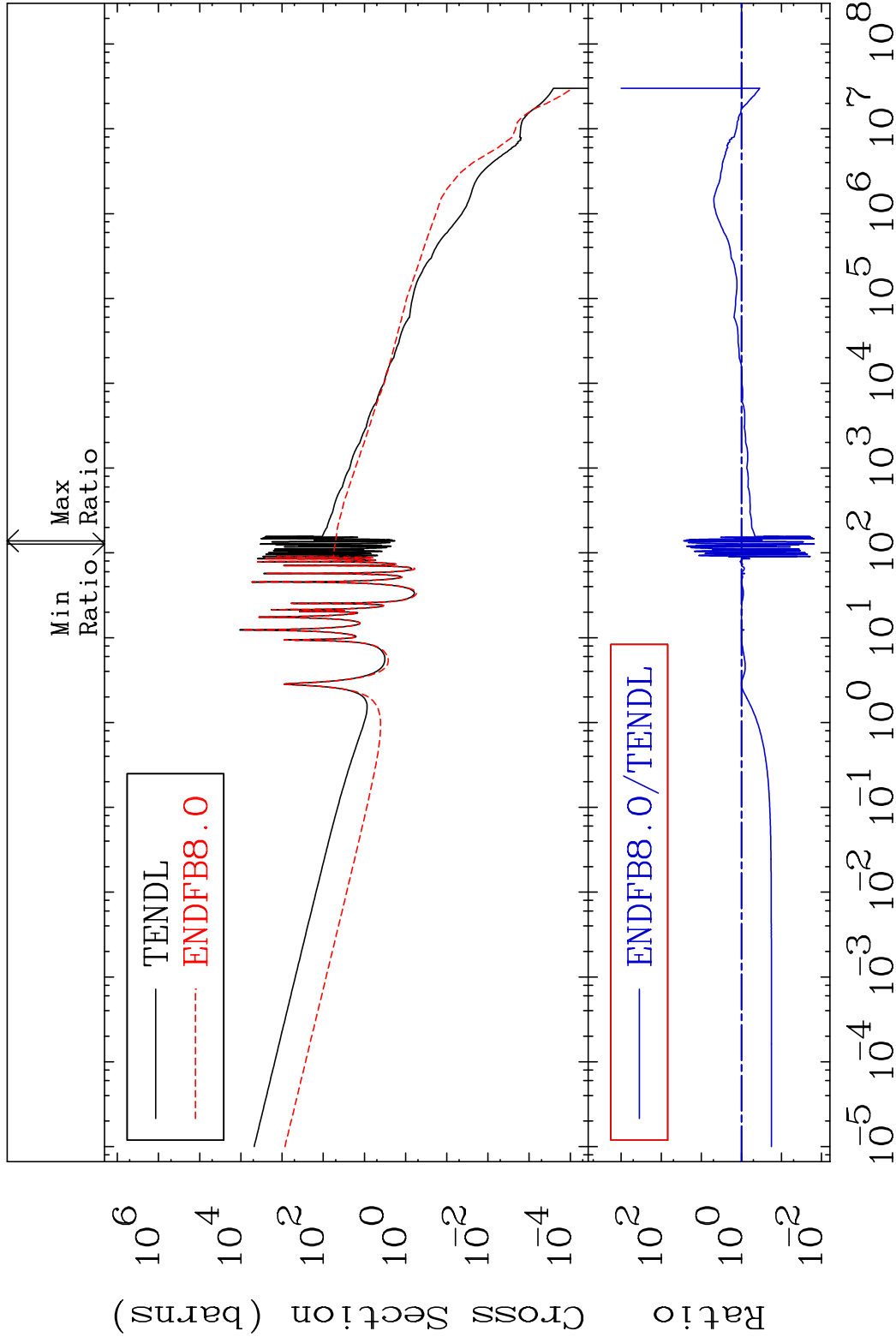


MAT 6928

(n, γ)

69-Tm-170

Cross Section -98.47 To 2661. %



42

Incident Energy (eV)

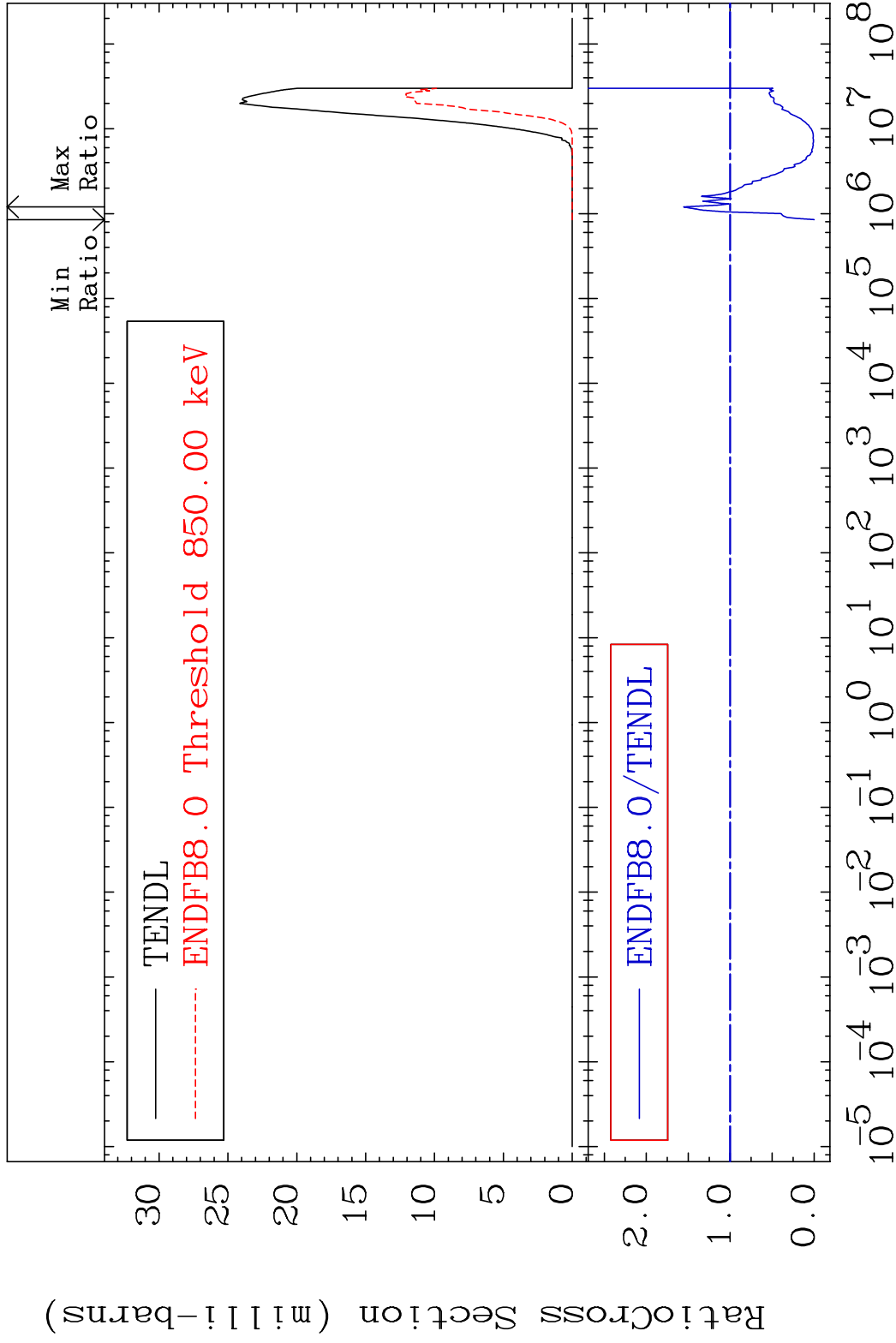
69-Tm-170

MAT 6928

(n, p)

69-Tm-170

Cross Section -100.0 To 55.44 %



43

Incident Energy (eV)

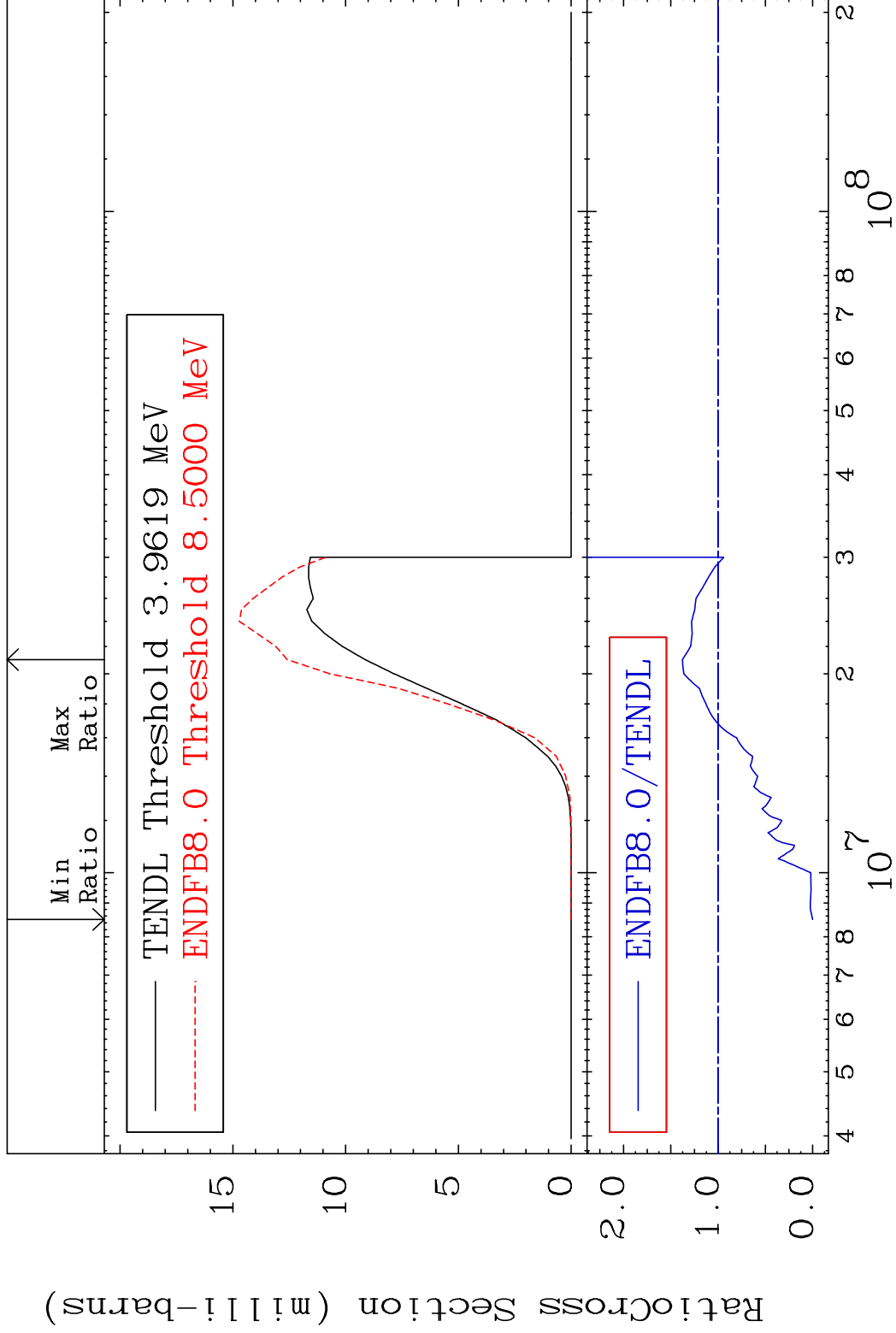
69-Tm-170

MAT 6928

(n, d)

69-Tm-170

Cross Section -100.0 To 37.78 %



44

Incident Energy (eV)

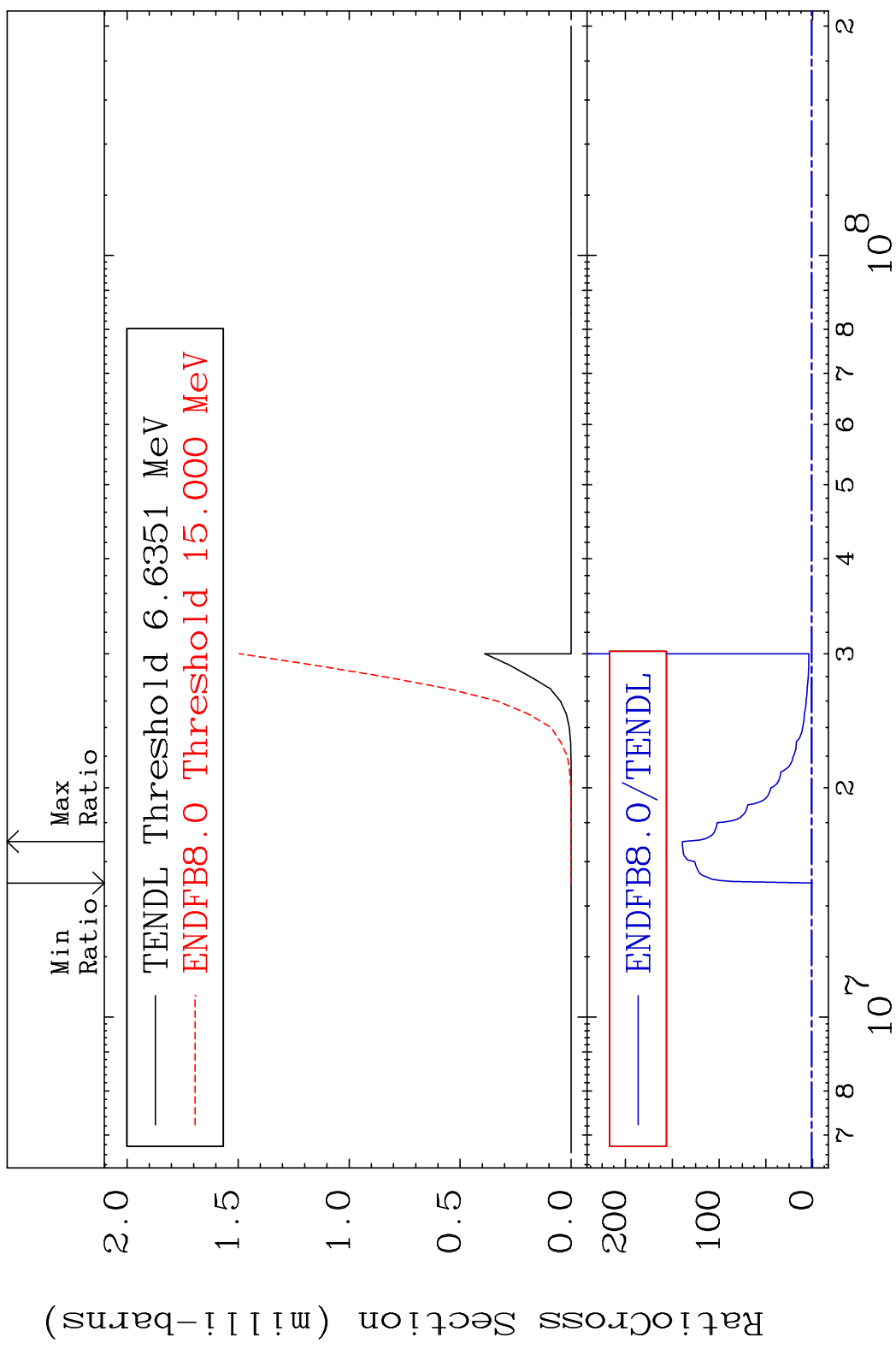
69-Tm-170

MAT 6928

(n, He-3)

69-Tm-170

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

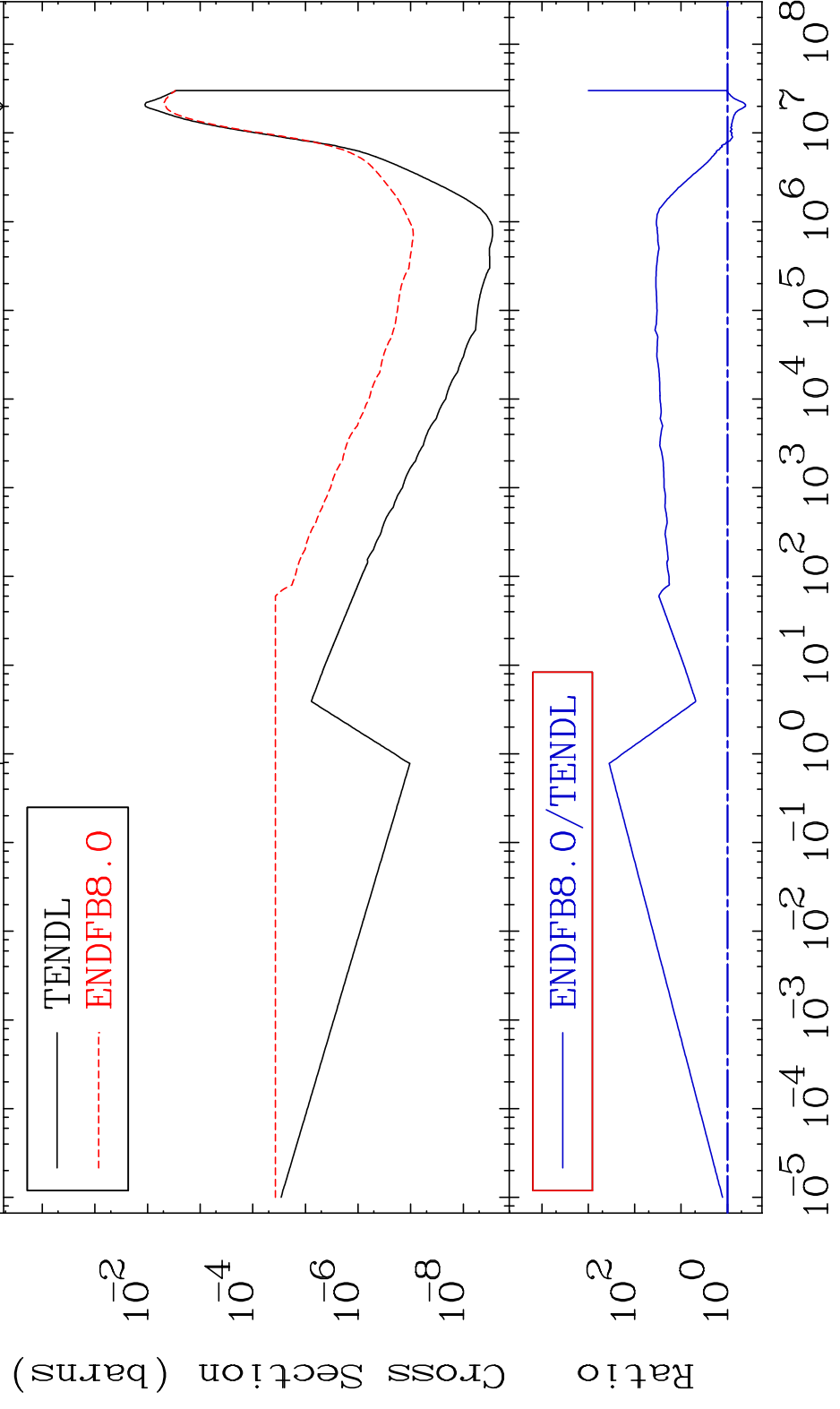
69-Tm-170

MAT 6928

(n, α)

Cross Section -59.06 To 9999. %

69-Tm-170



46

Incident Energy (eV)

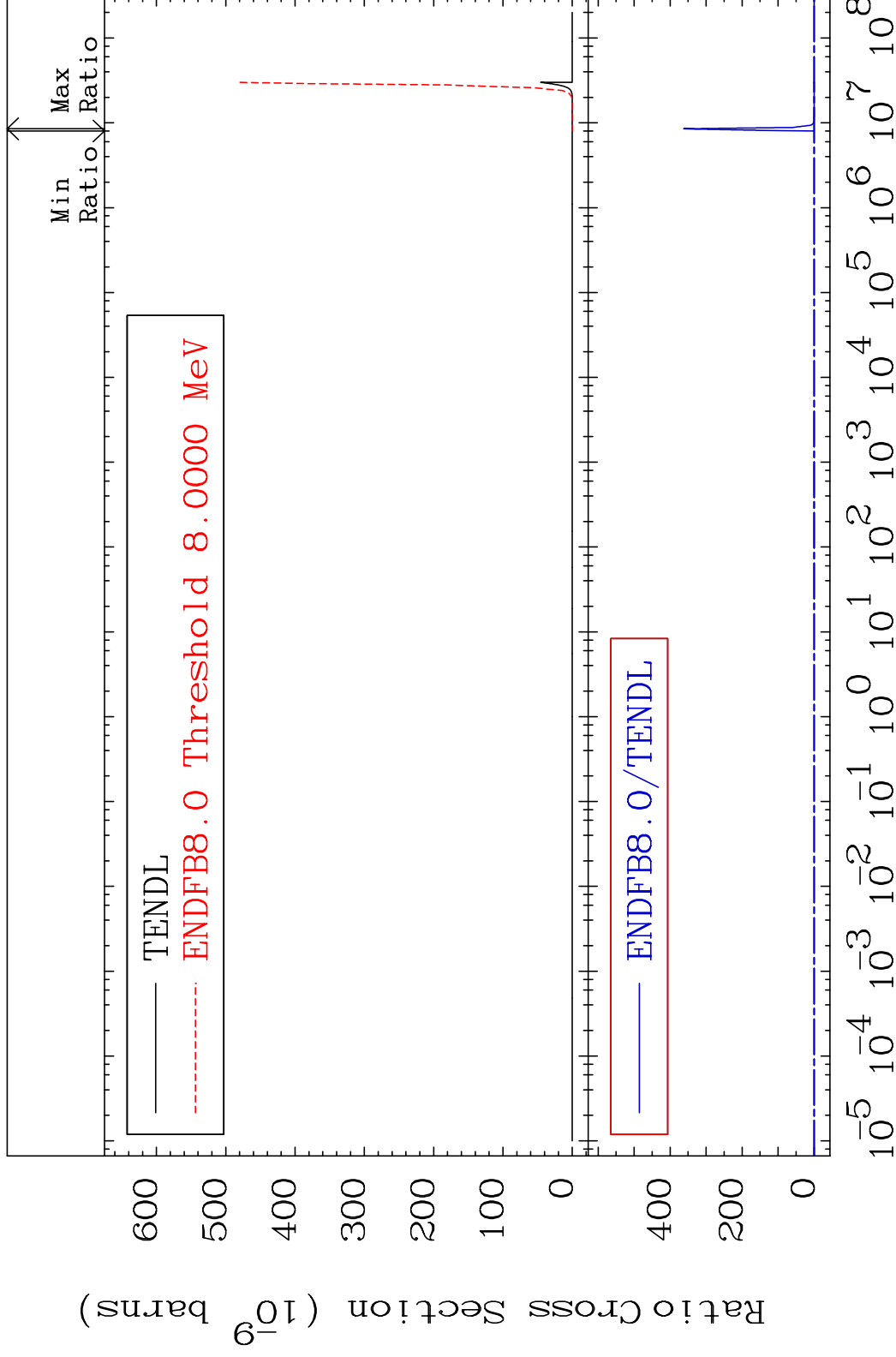
69-Tm-170

MAT 6928

(n,p) α

69-Tm-170

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

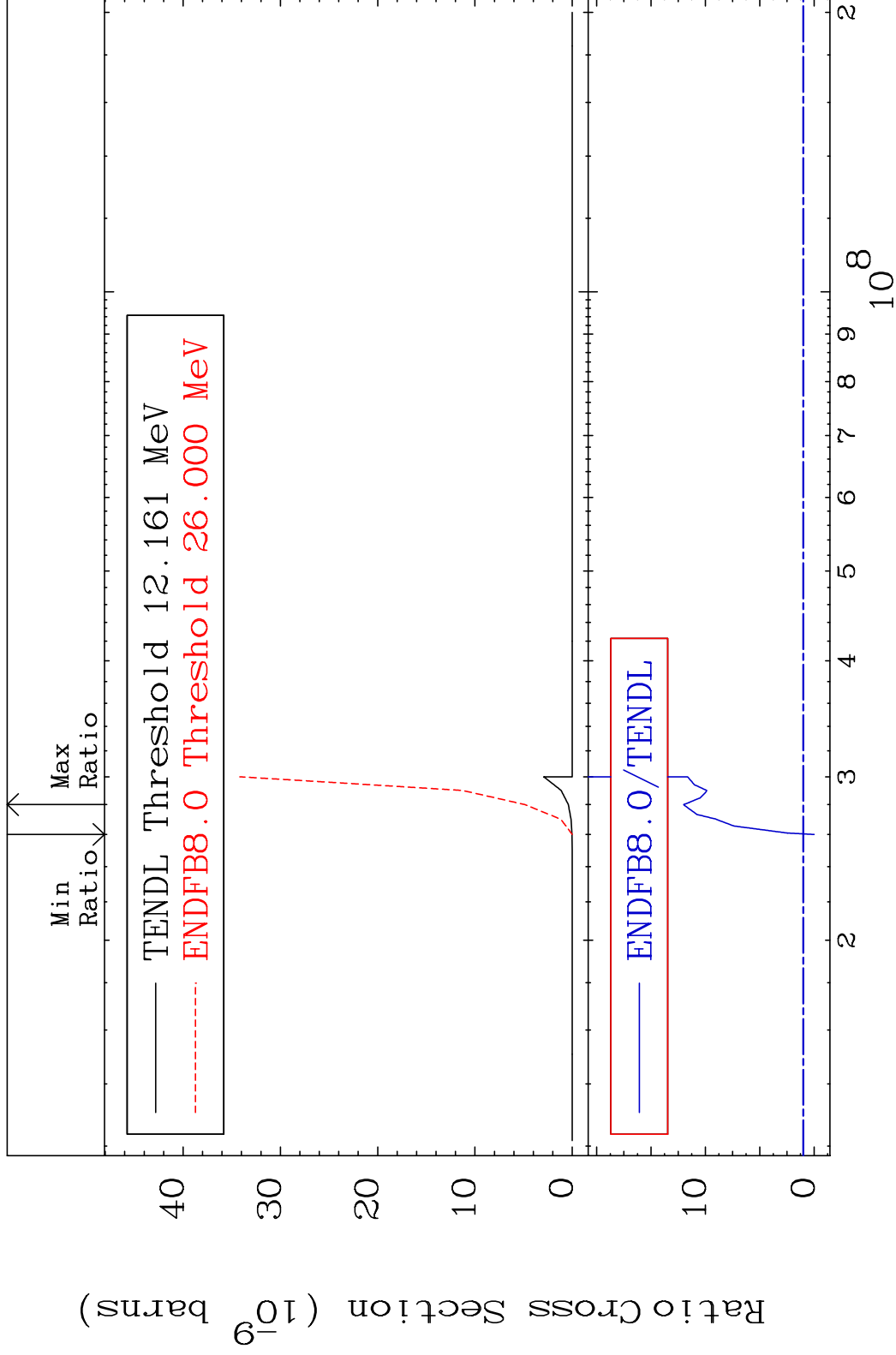
69-Tm-170

MAT 6928

(n,p) d

69-Tm-170

Cross Section -100.0 To 1100. %



48

Incident Energy (eV)

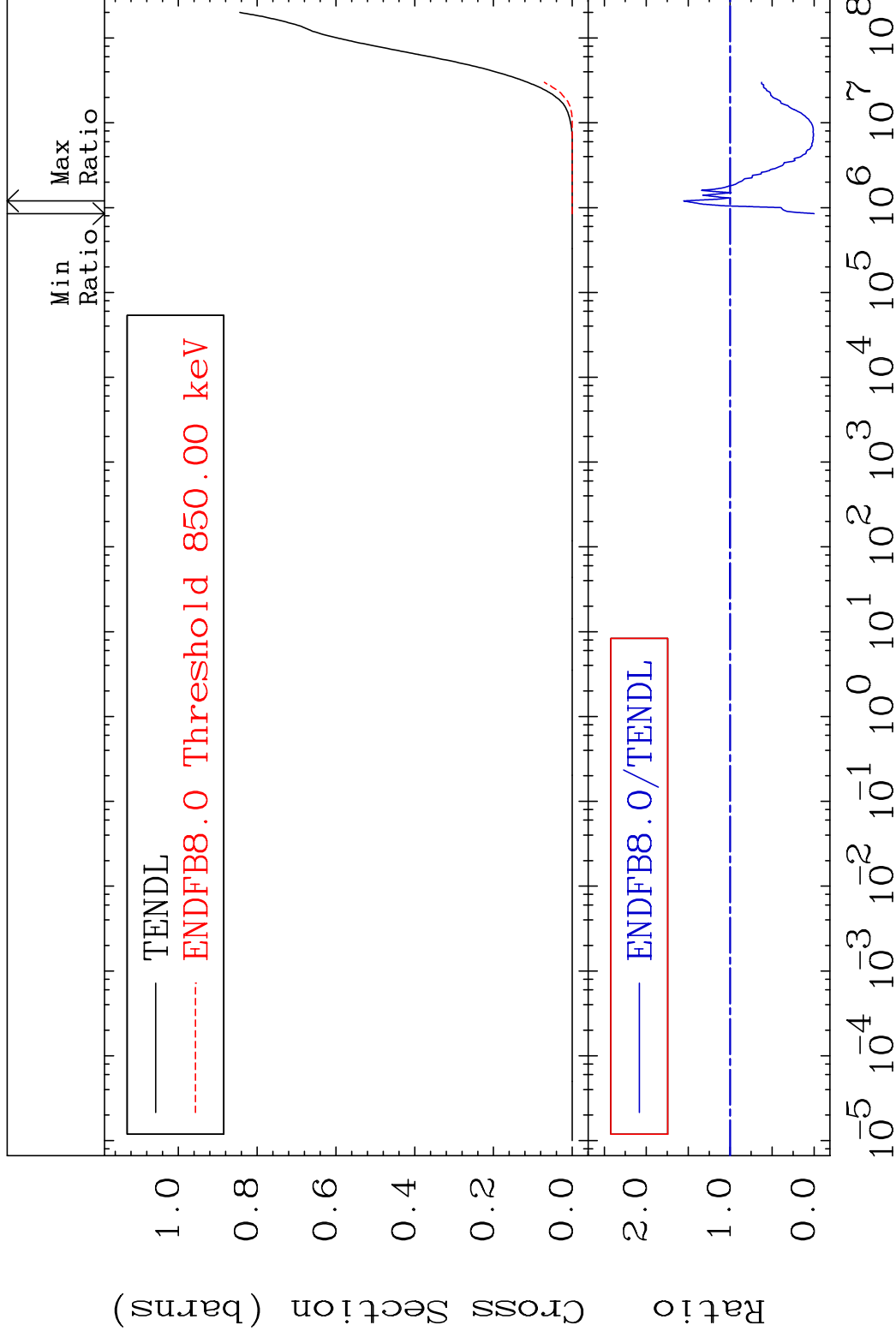
69-Tm-170

MAT 6928

Hydrogen Production

69-Tm-170

Cross Section -100.0 To 55.44 %



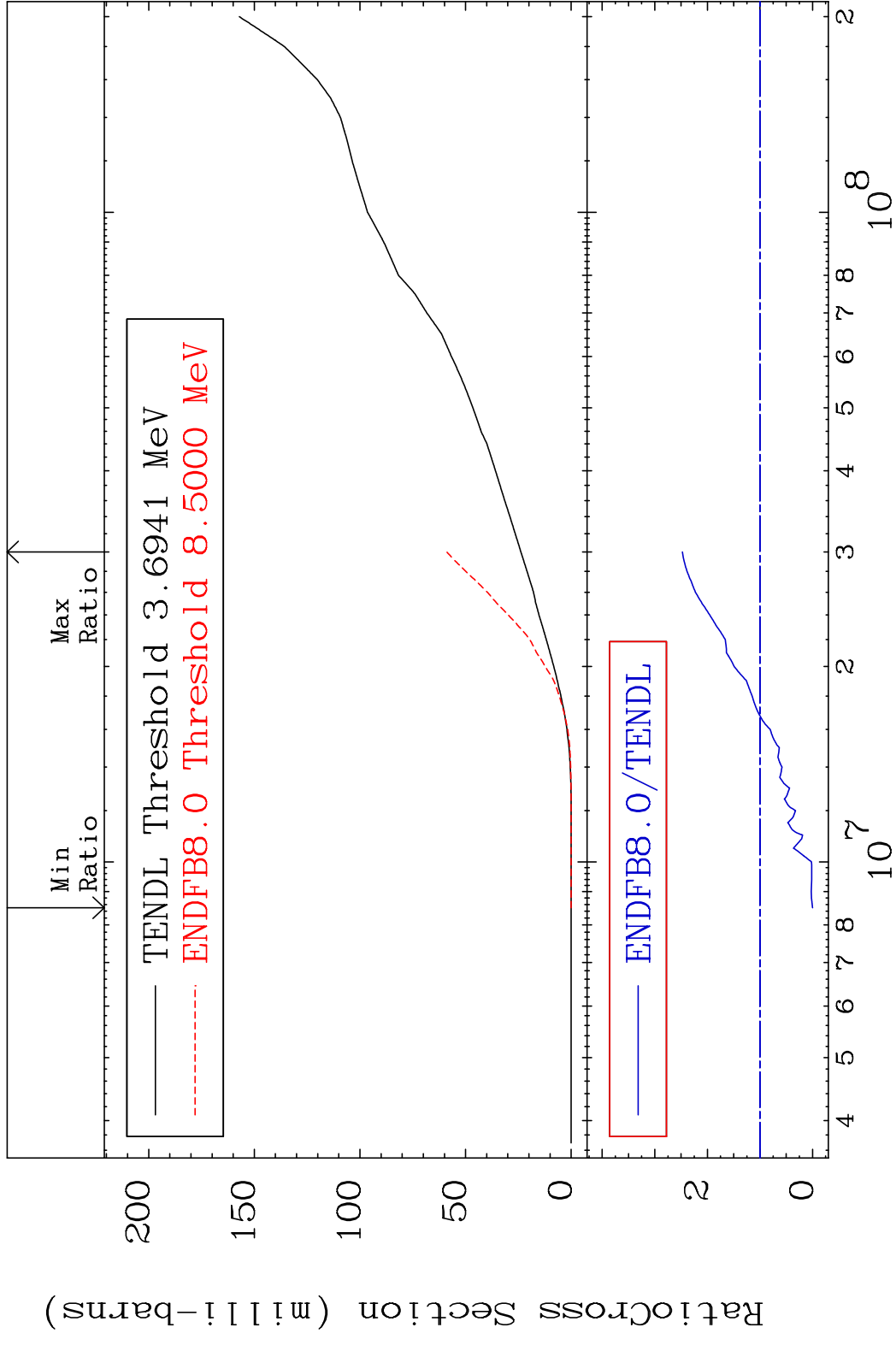
49

Incident Energy (eV)

69-Tm-170

MAT 6928

Deuterium Production 69-Tm-170
Cross Section -100.0 To 147.6 %



50

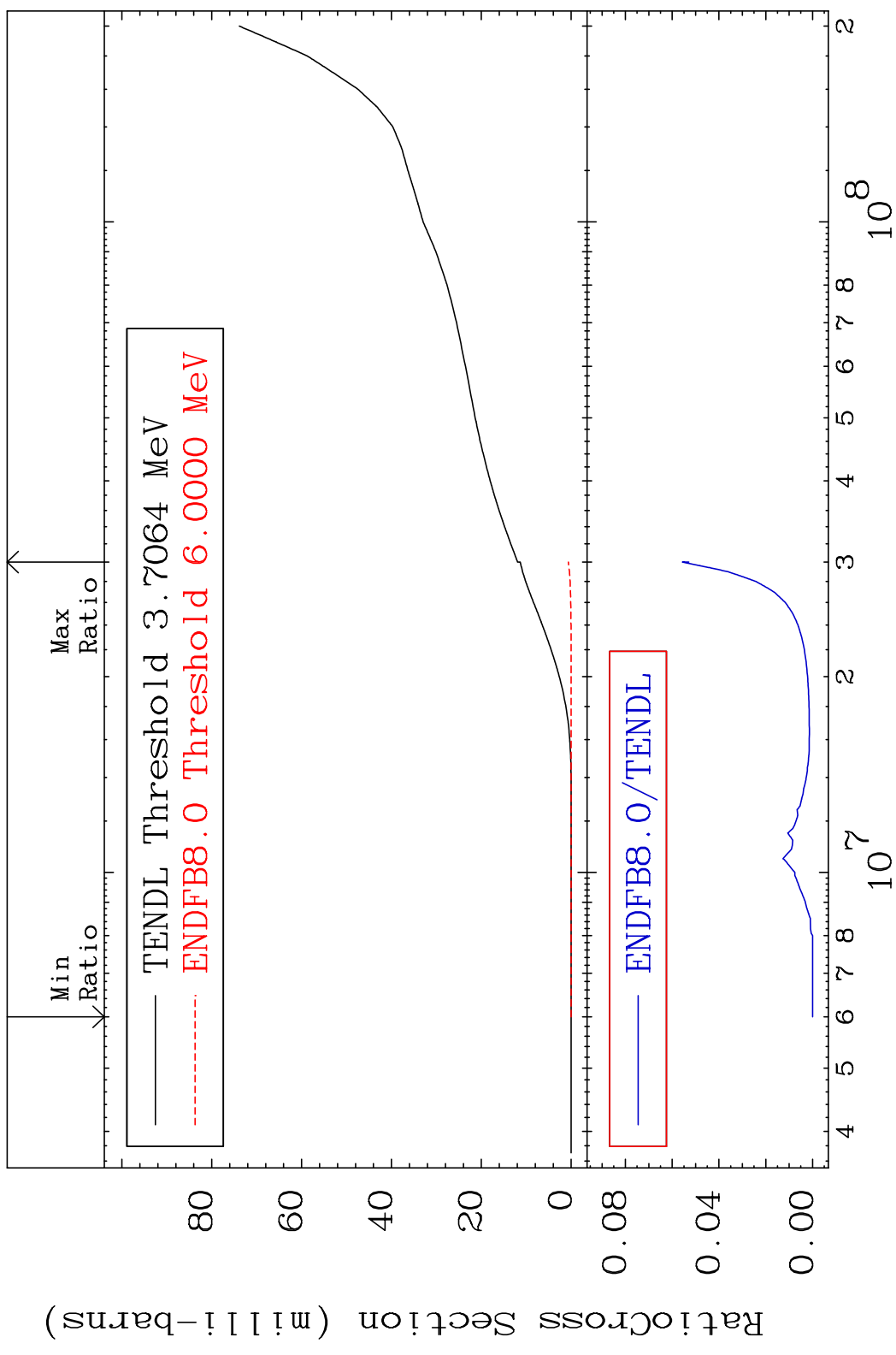
Incident Energy (eV) 69-Tm-170

MAT 6928

Tritium Production

69-Tm-170

Cross Section -100.0 To -94.43%

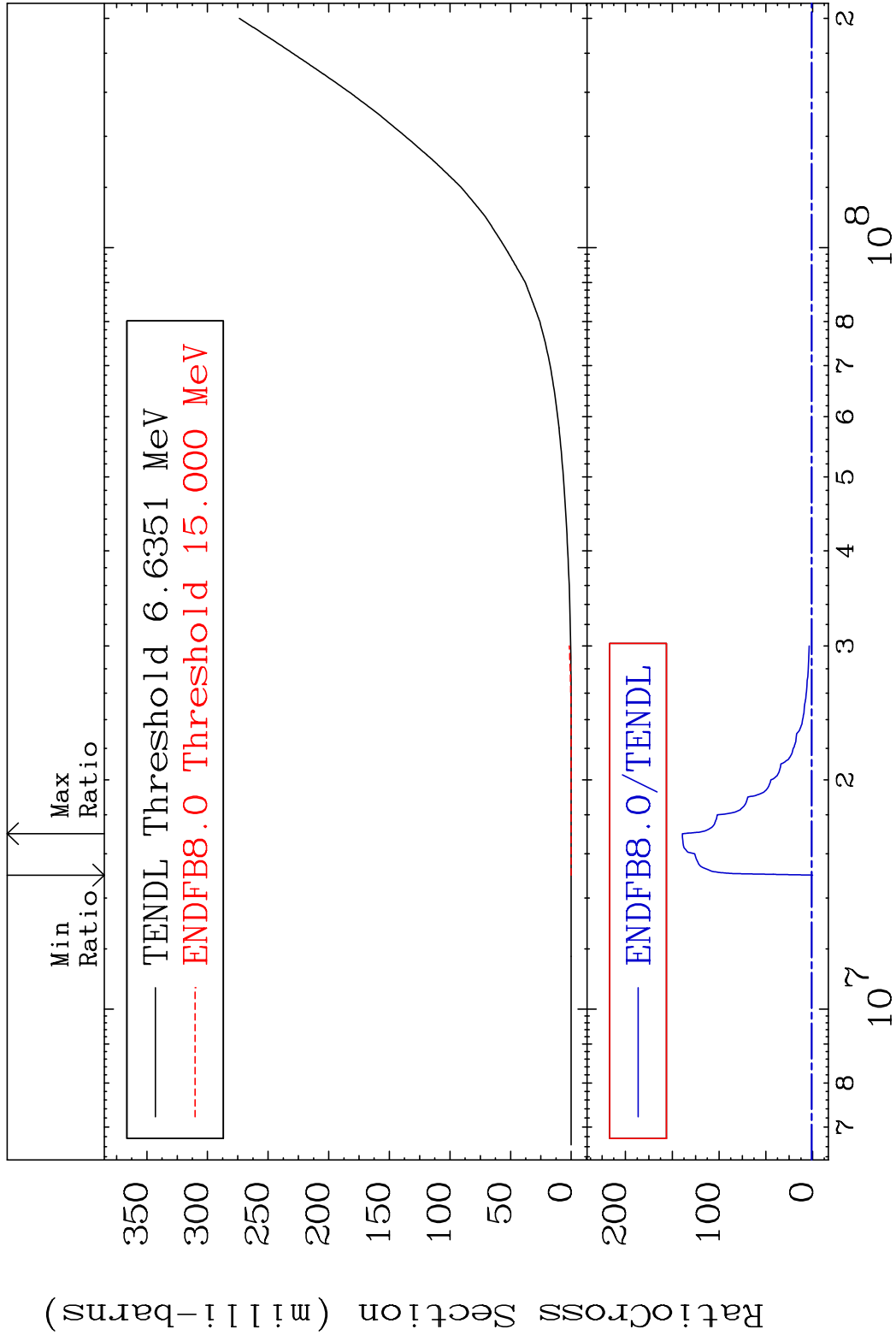


MAT 6928

He-3 Production

69-Tm-170

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

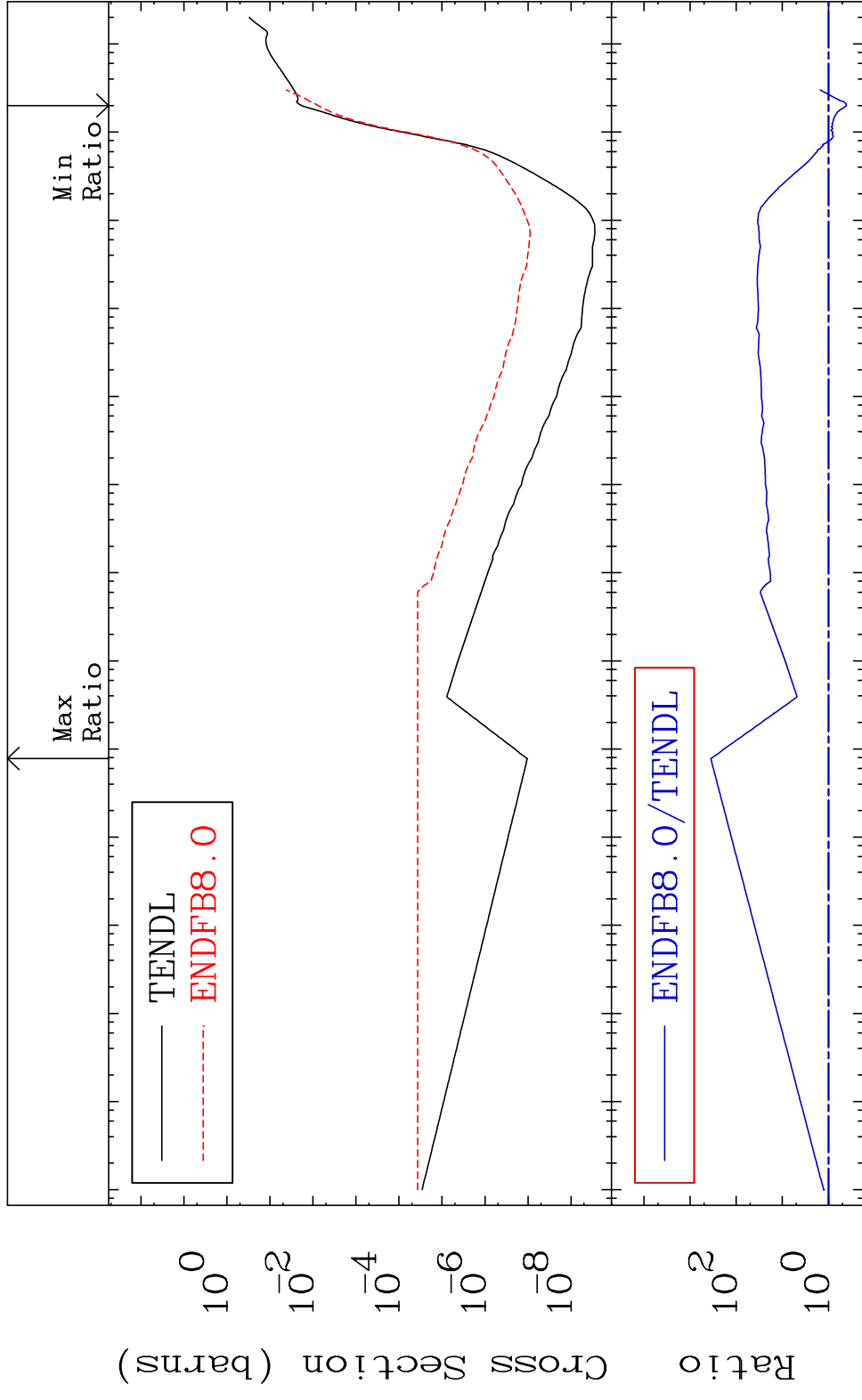
69-Tm-170

MAT 6928

He-4 Production

69-Tm-170

Cross Section -59.01 To 9999. %



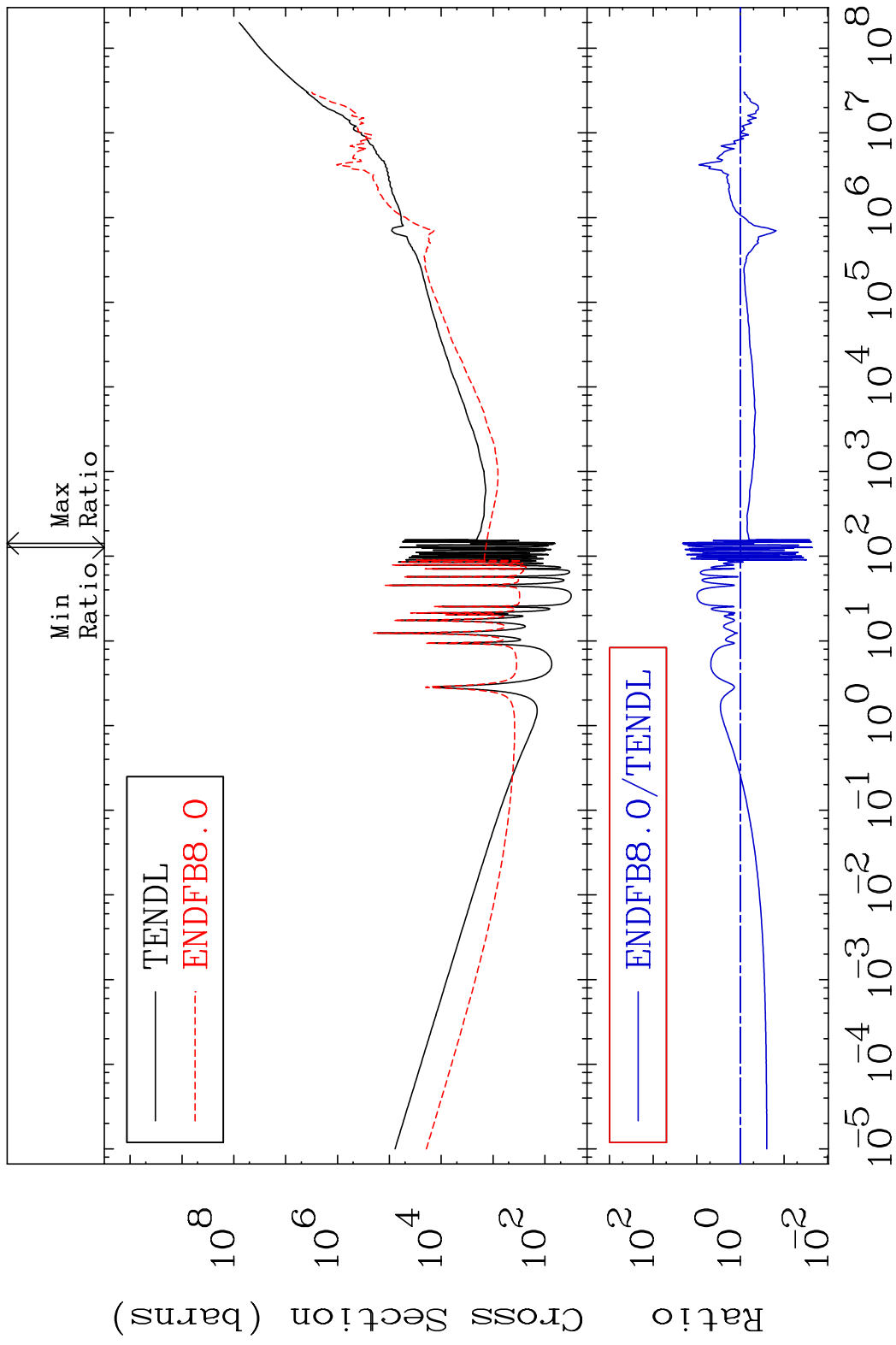
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

53

Incident Energy (eV)

69-Tm-170

MAT 6928 Kerma total (eV-barns) 69-Tm-170
 Cross Section -97.78 To 2041. %



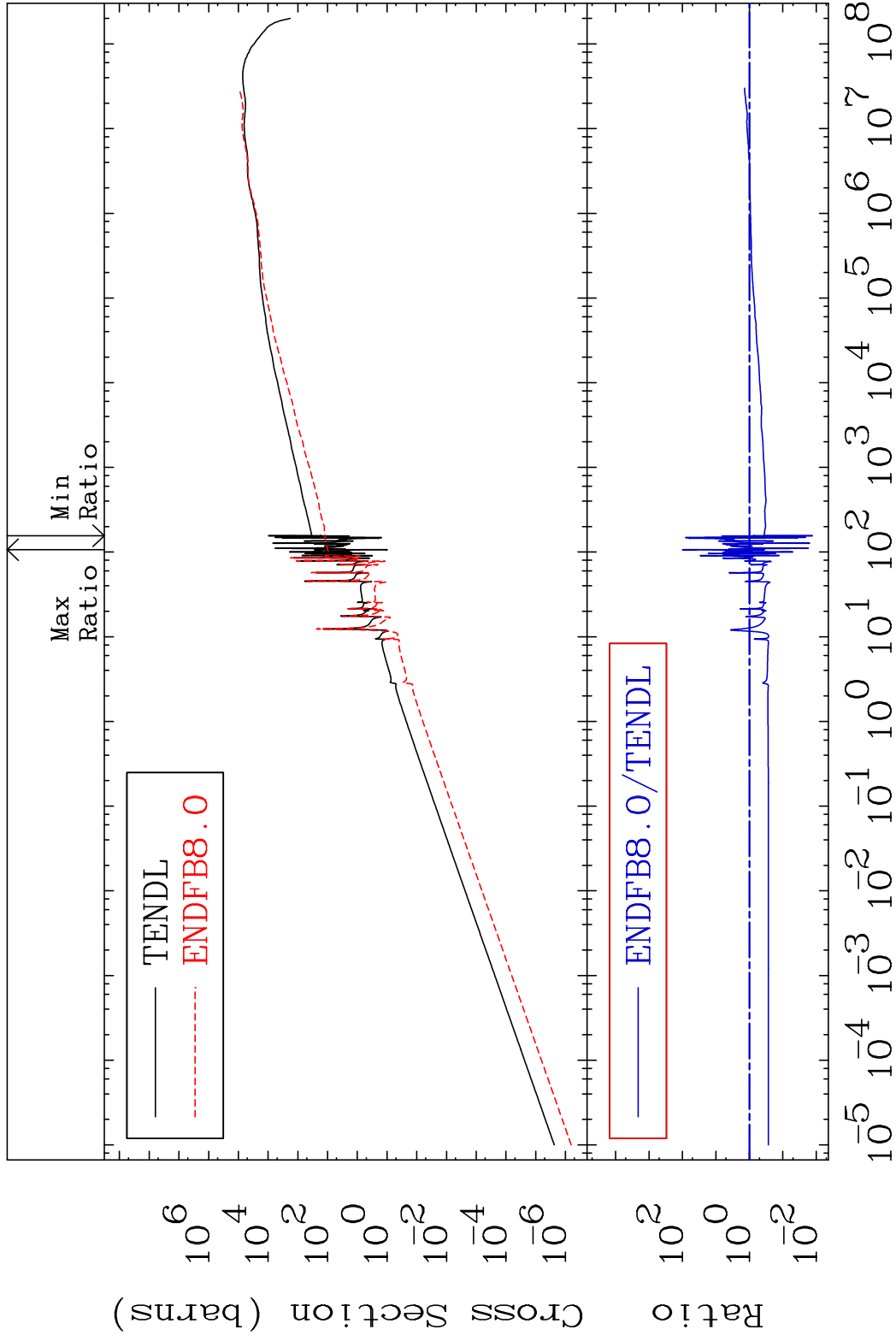
54 Incident Energy (eV) 69-Tm-170

MAT 6928

Kerma elastic

69-Tm-170

Cross Section -98.71 To 9976. %

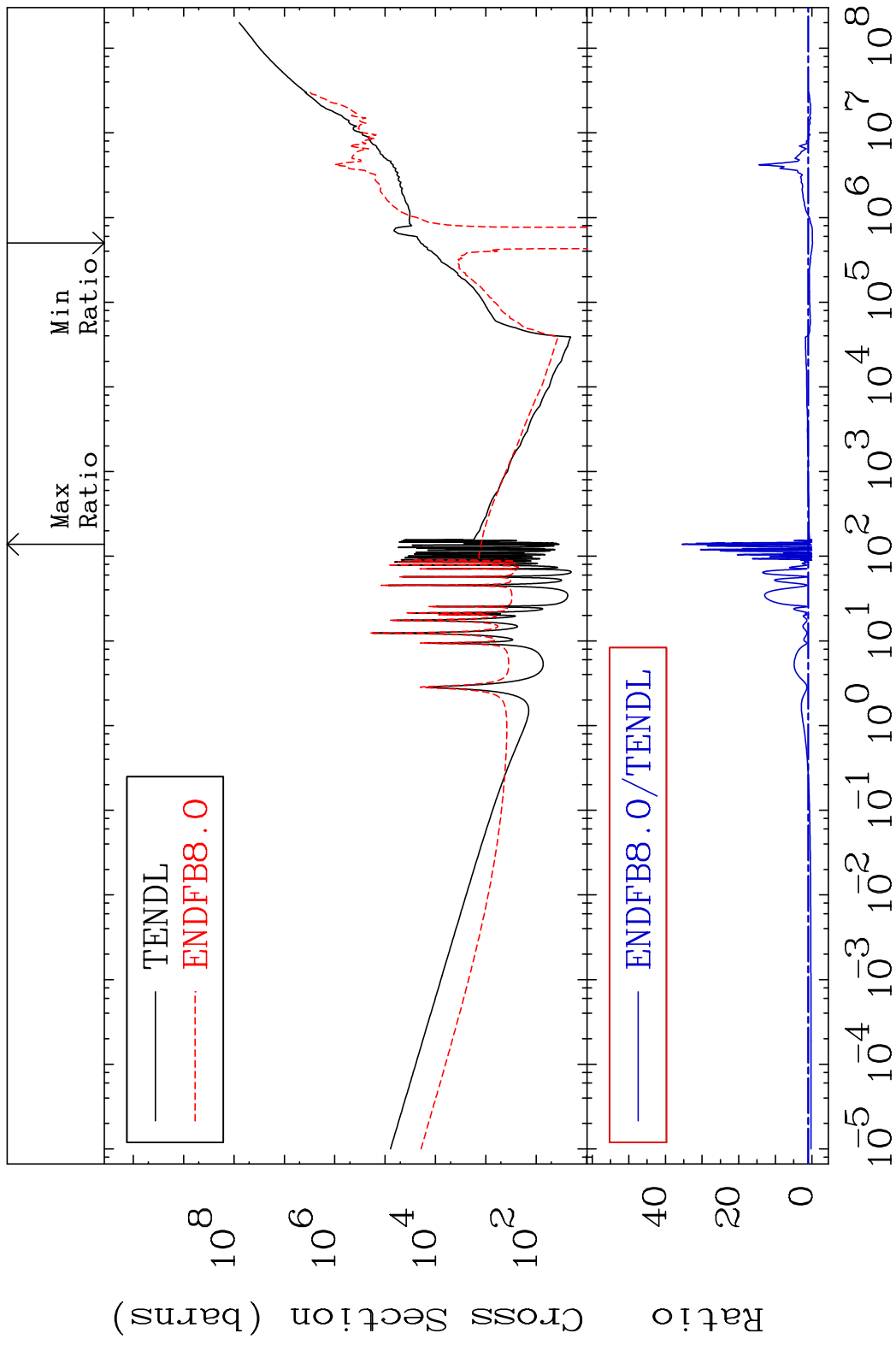


55

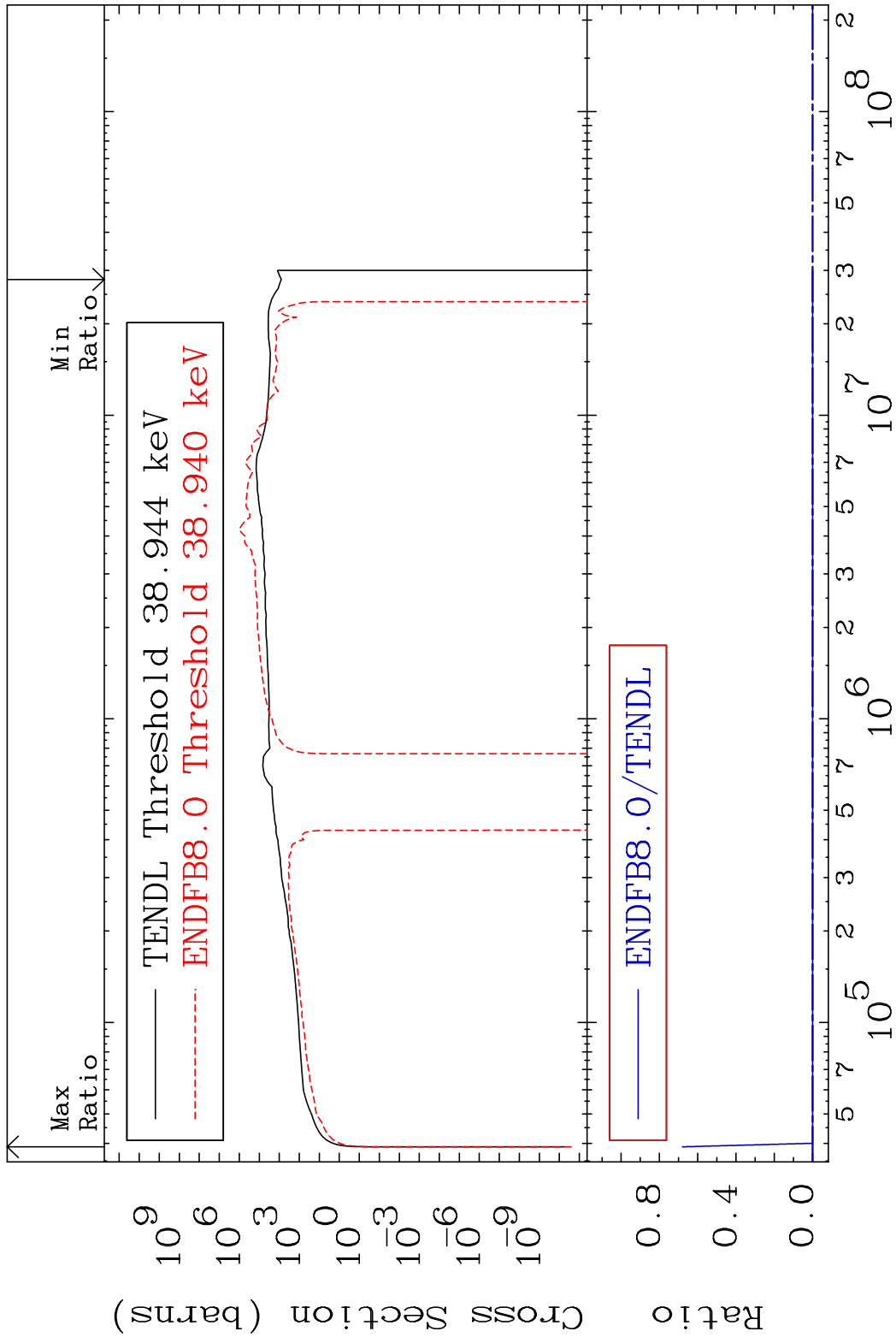
Incident Energy (eV)

69-Tm-170

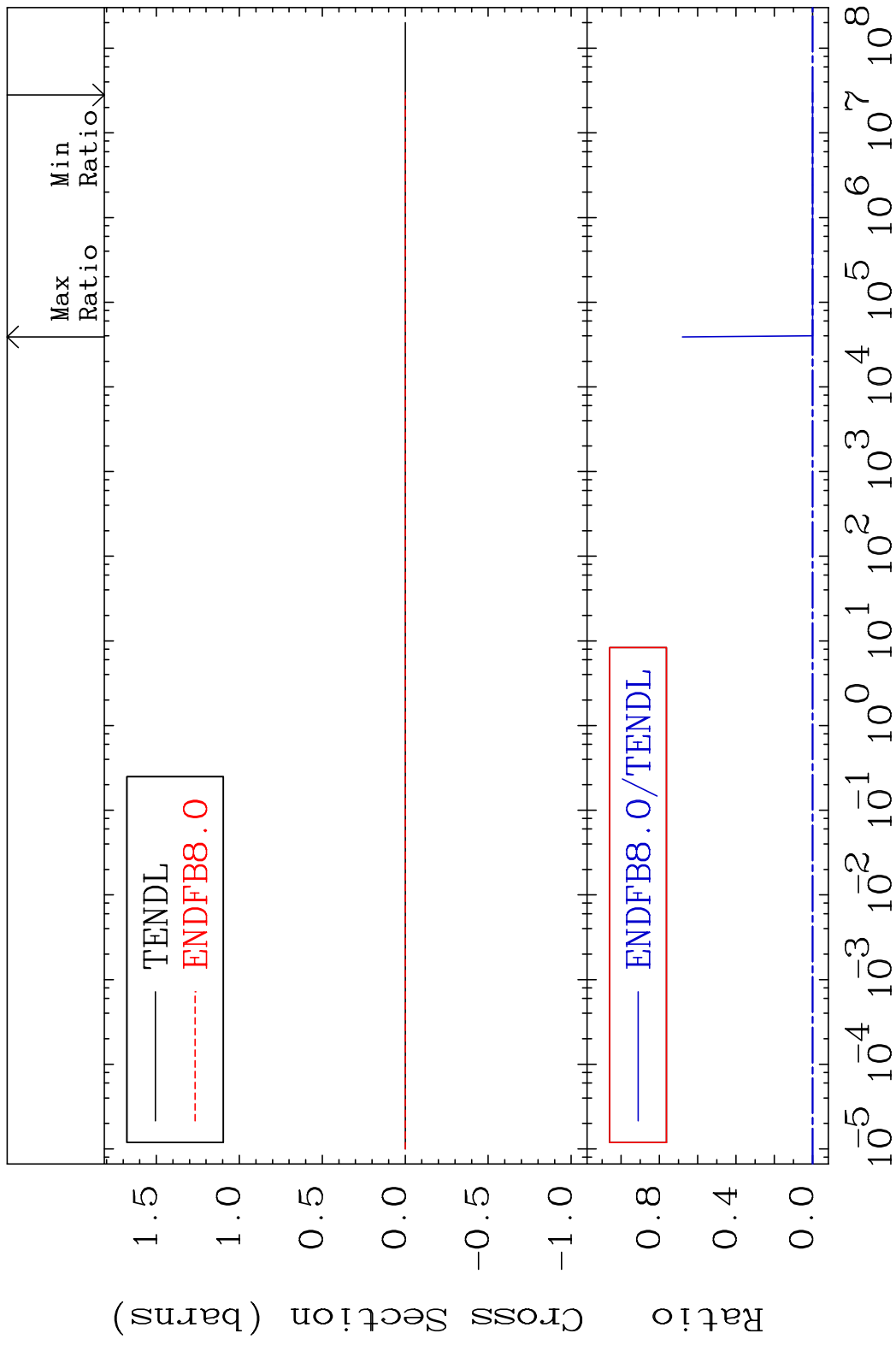
MAT 6928 Kerma non-elastic (all but mt2) 69-Tm-170
 Cross Section -116.8 To 3439. %



MAT 6928 Kerma inelastic (mt51-91) 69-Tm-170
 Cross Section -187.8 To 9999. %

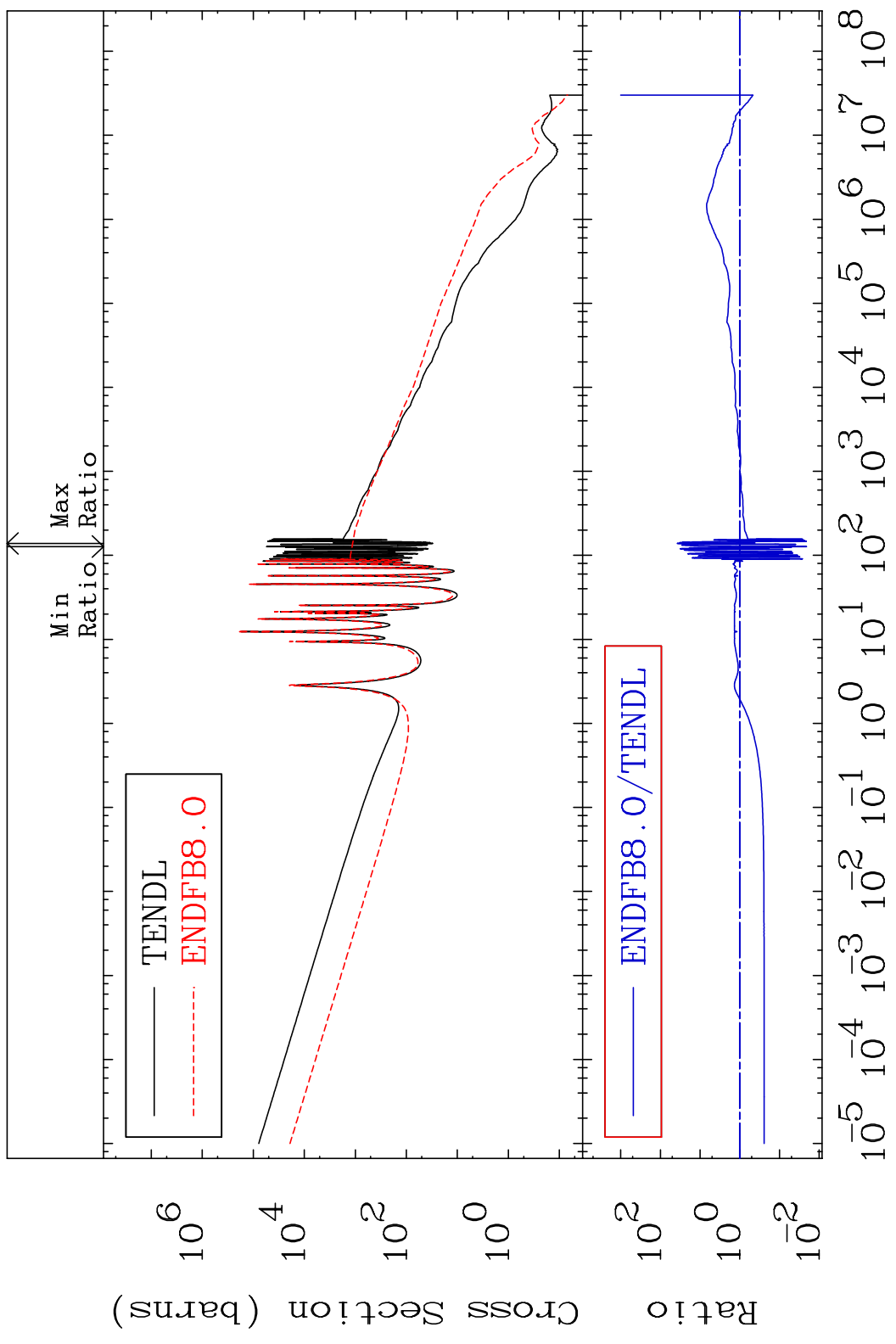


MAT 6928 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-170
 Cross Section -187.8 To 9999. %



MAT 6928

Kerma capture (mt102) 69-Tm-170
Cross Section -97.90 To 3672. %

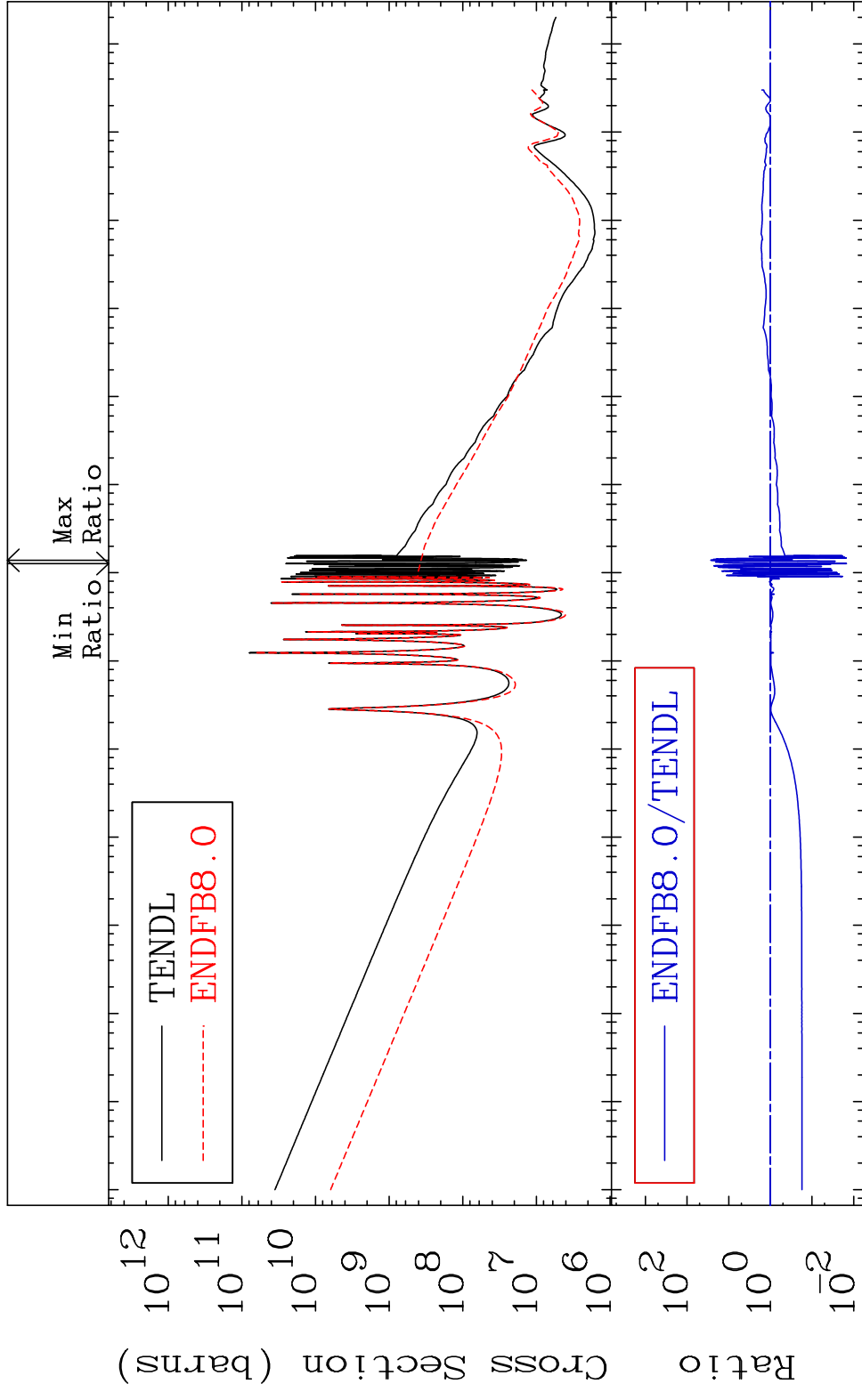


59

Incident Energy (eV) 69-Tm-170

MAT 6928

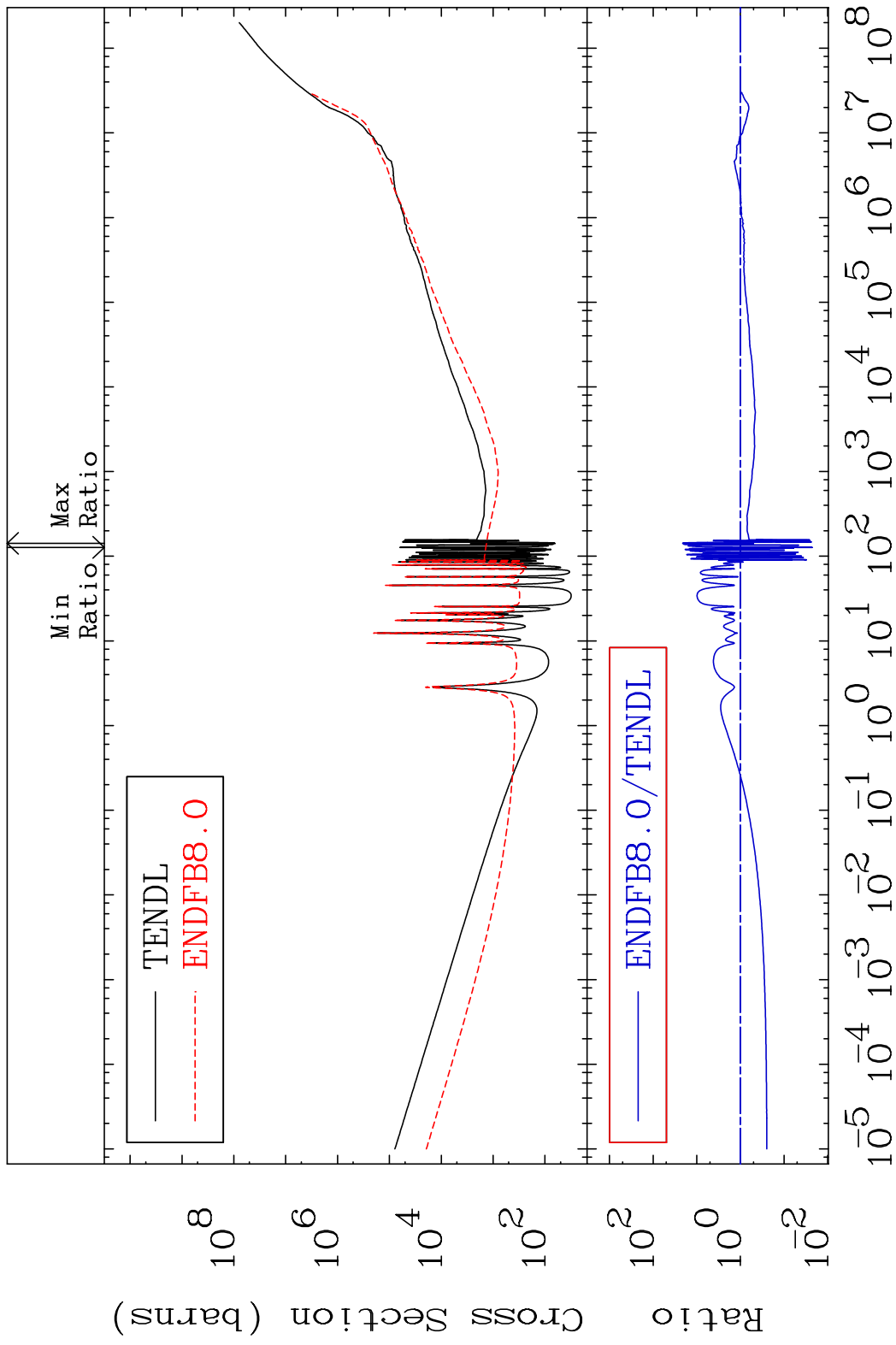
Total photon (eV-barns) 69-Tm-170
Cross Section -98.50 To 2607. %



60

Incident Energy (eV) 69-Tm-170

MAT 6928 Total kinematic kerma (high limit) 69-Tm-170
 Cross Section -97.78 To 2040. %

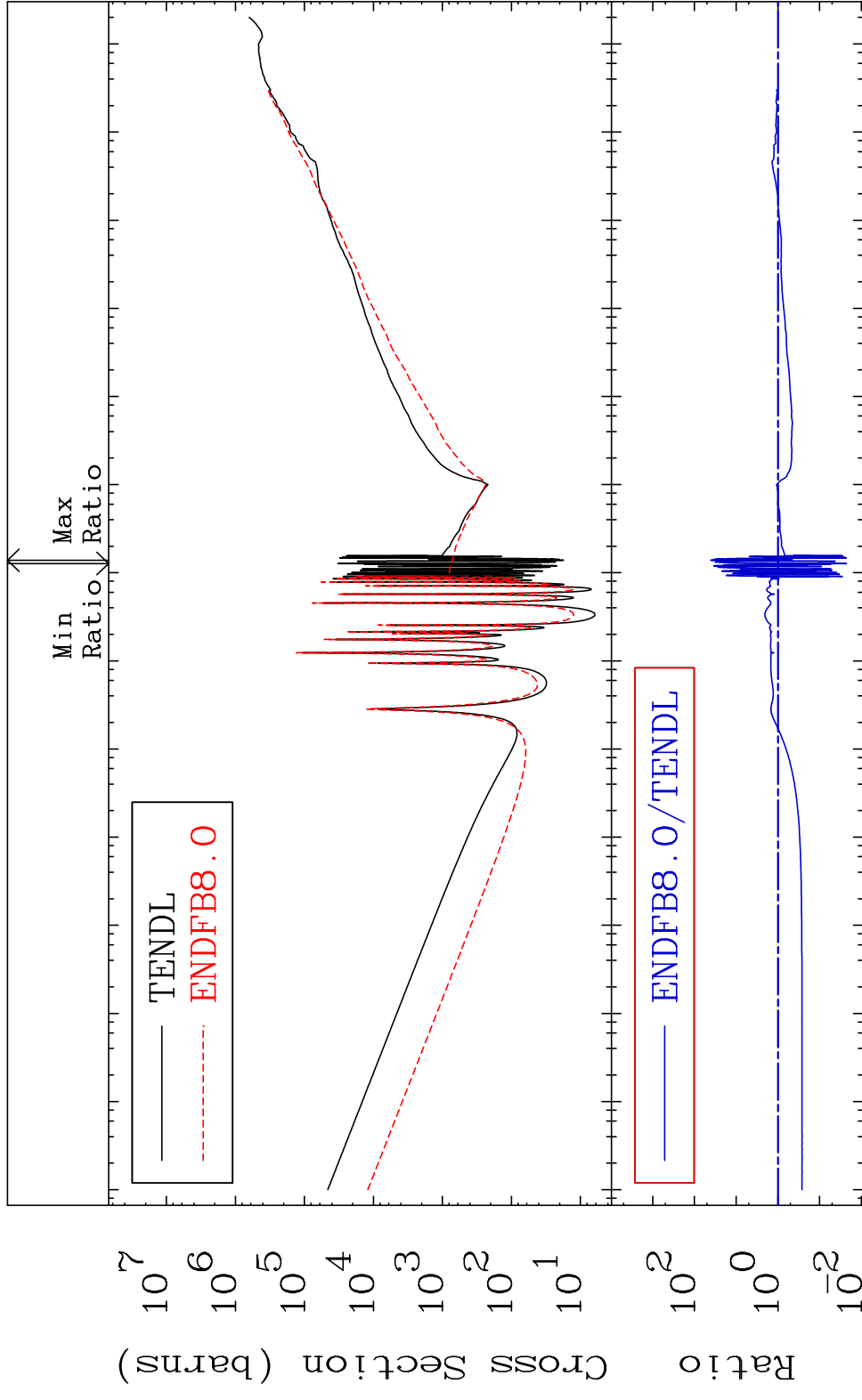


MAT 6928

Dpa total (eV-barns)

69-Tm-170

Cross Section -97.72 To 3979. %



62

Incident Energy (eV)

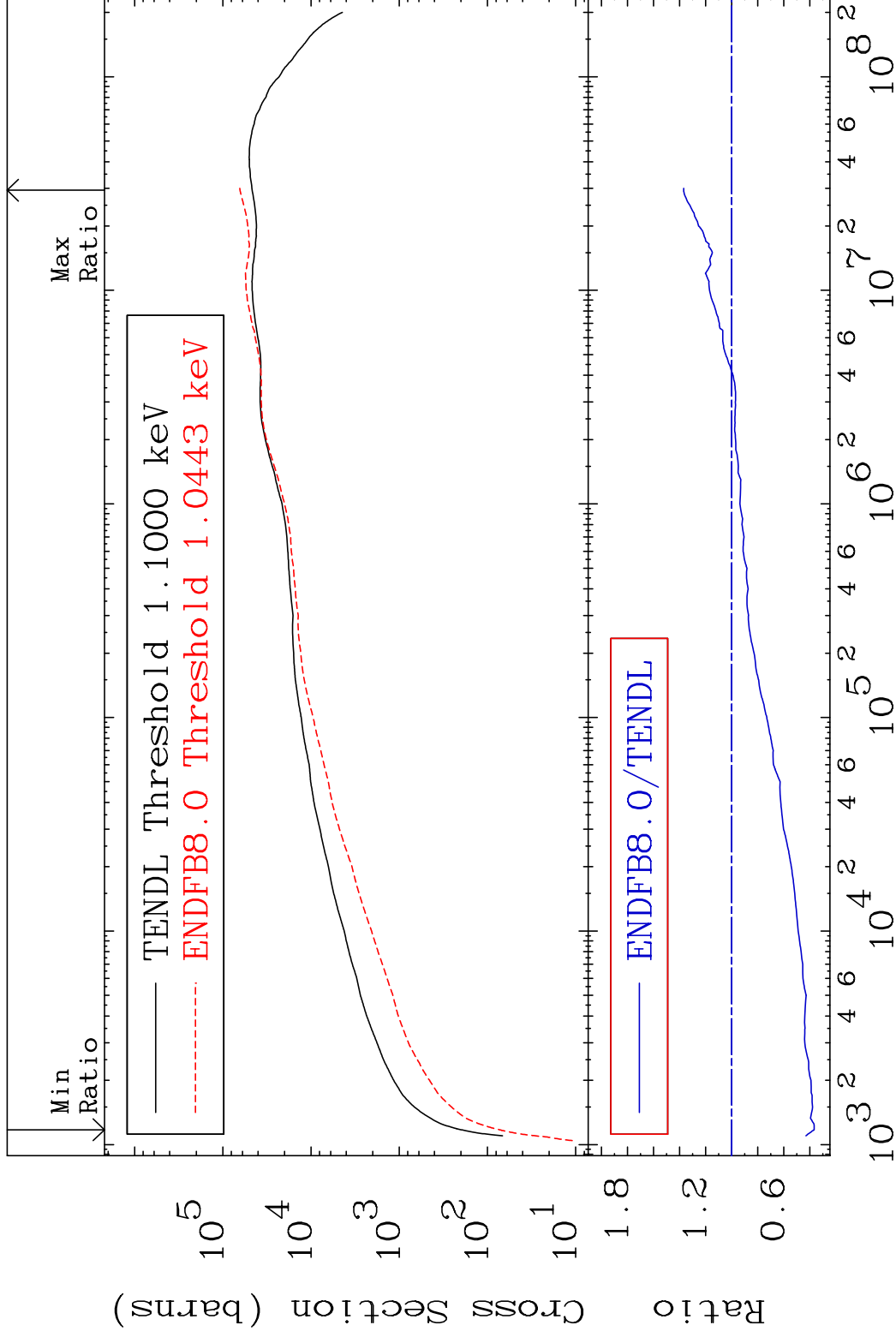
69-Tm-170

MAT 6928

Dpa elastic (mt2)

69-Tm-170

Cross Section -63.26 To 36.90 %

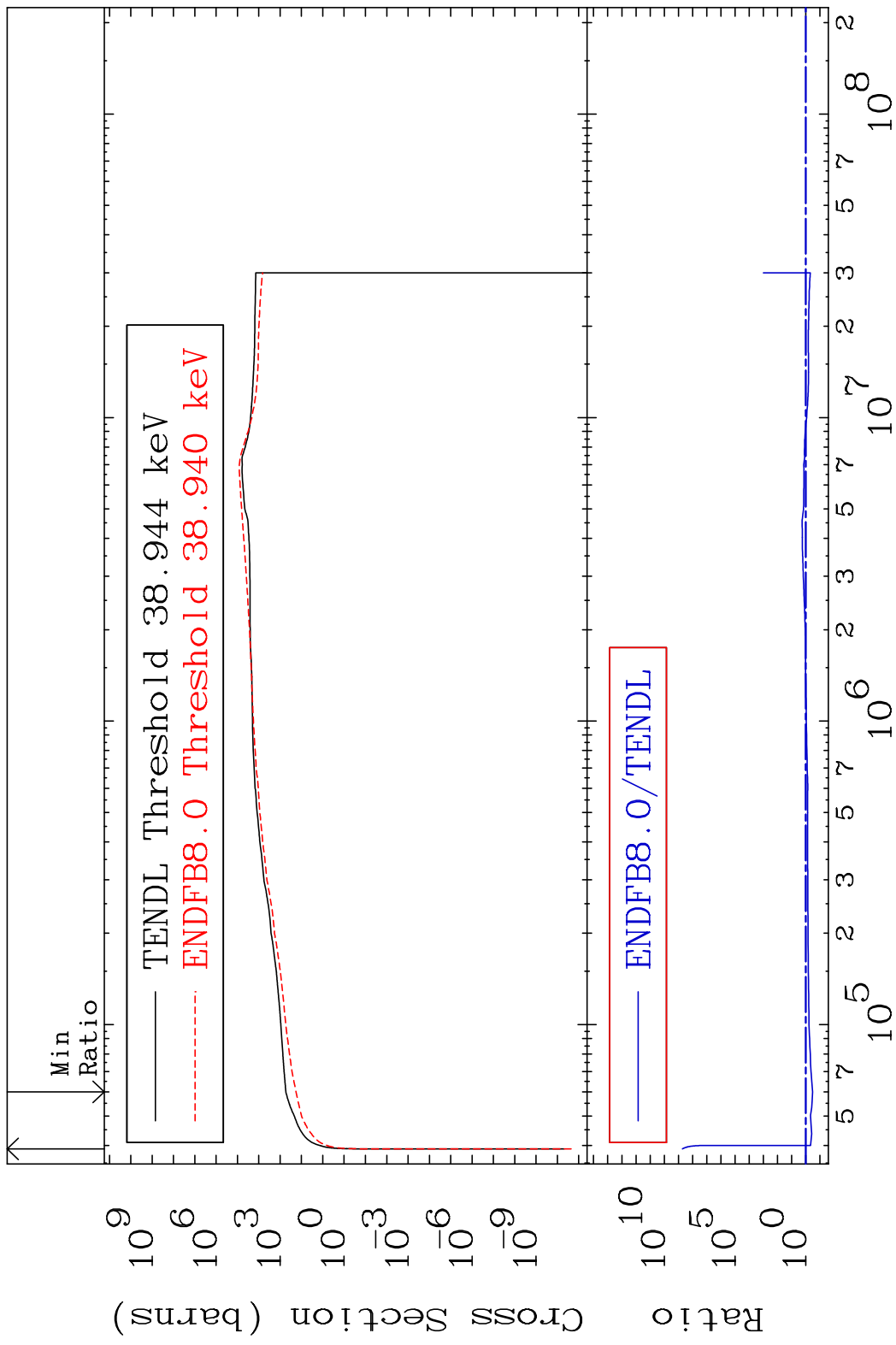


63

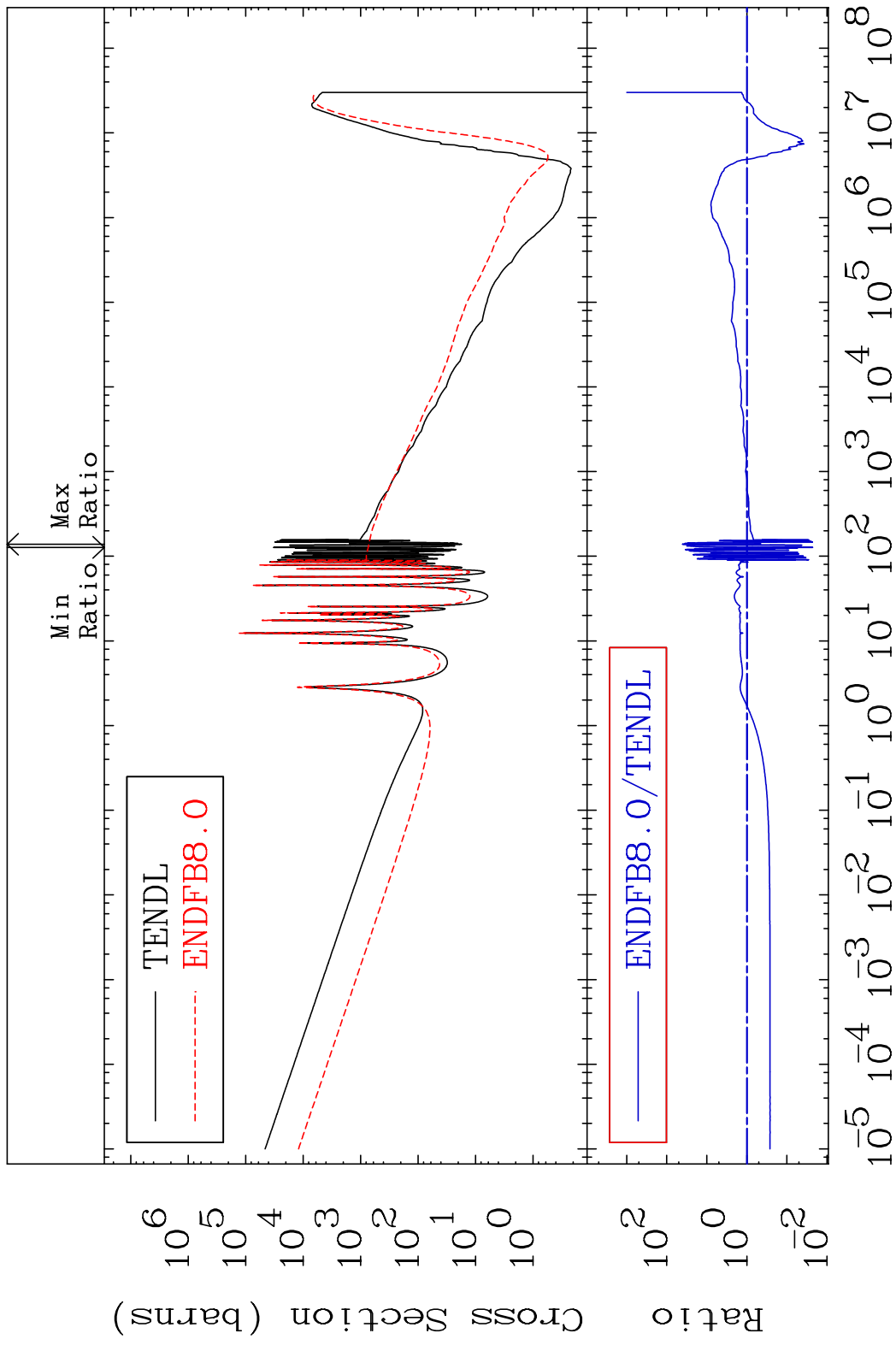
Incident Energy (eV)

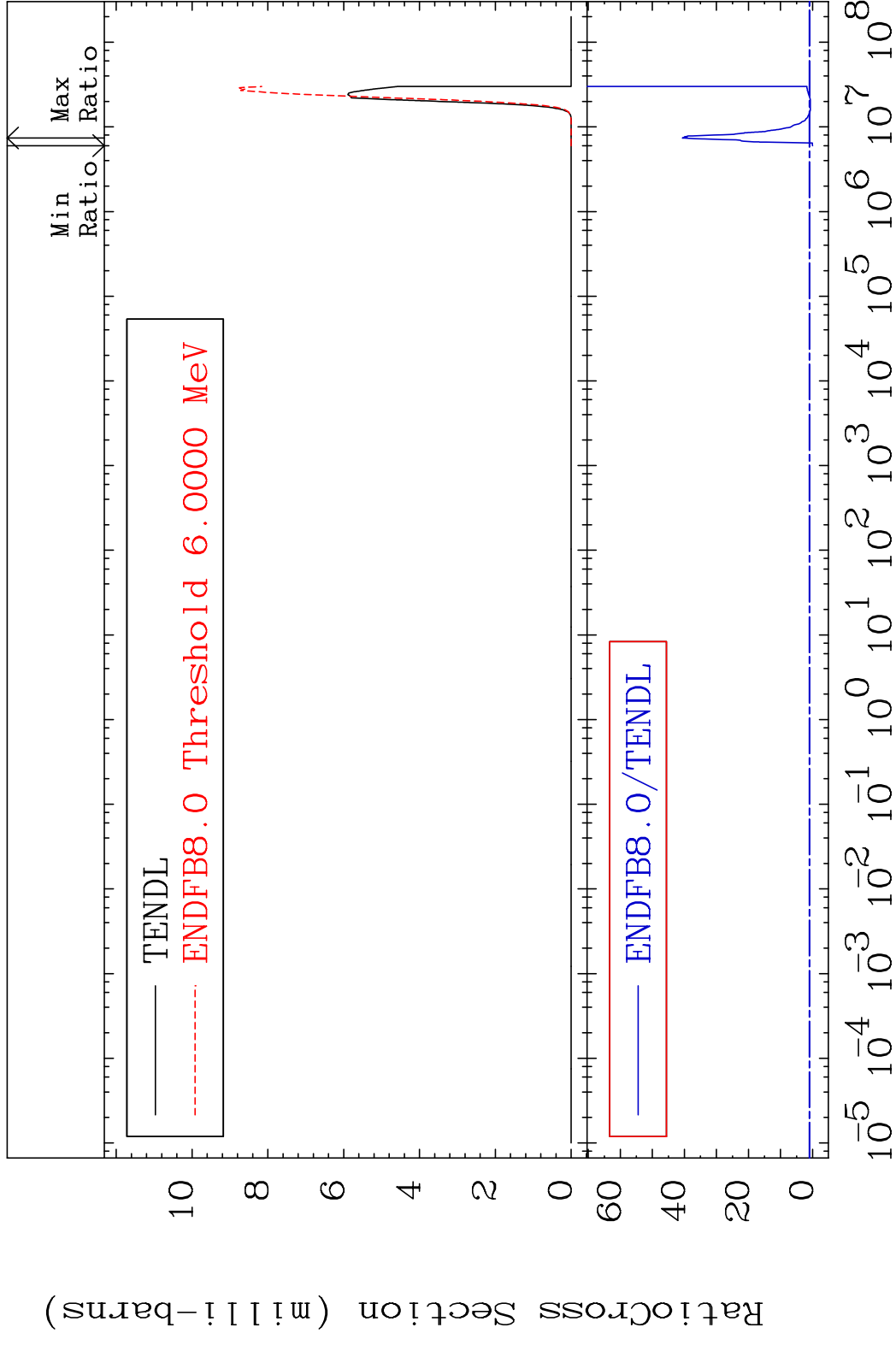
69-Tm-170

MAT 6928 Dpa inelastic (mt51-91) 69-Tm-170
 Cross Section -67.02 To 9999. %

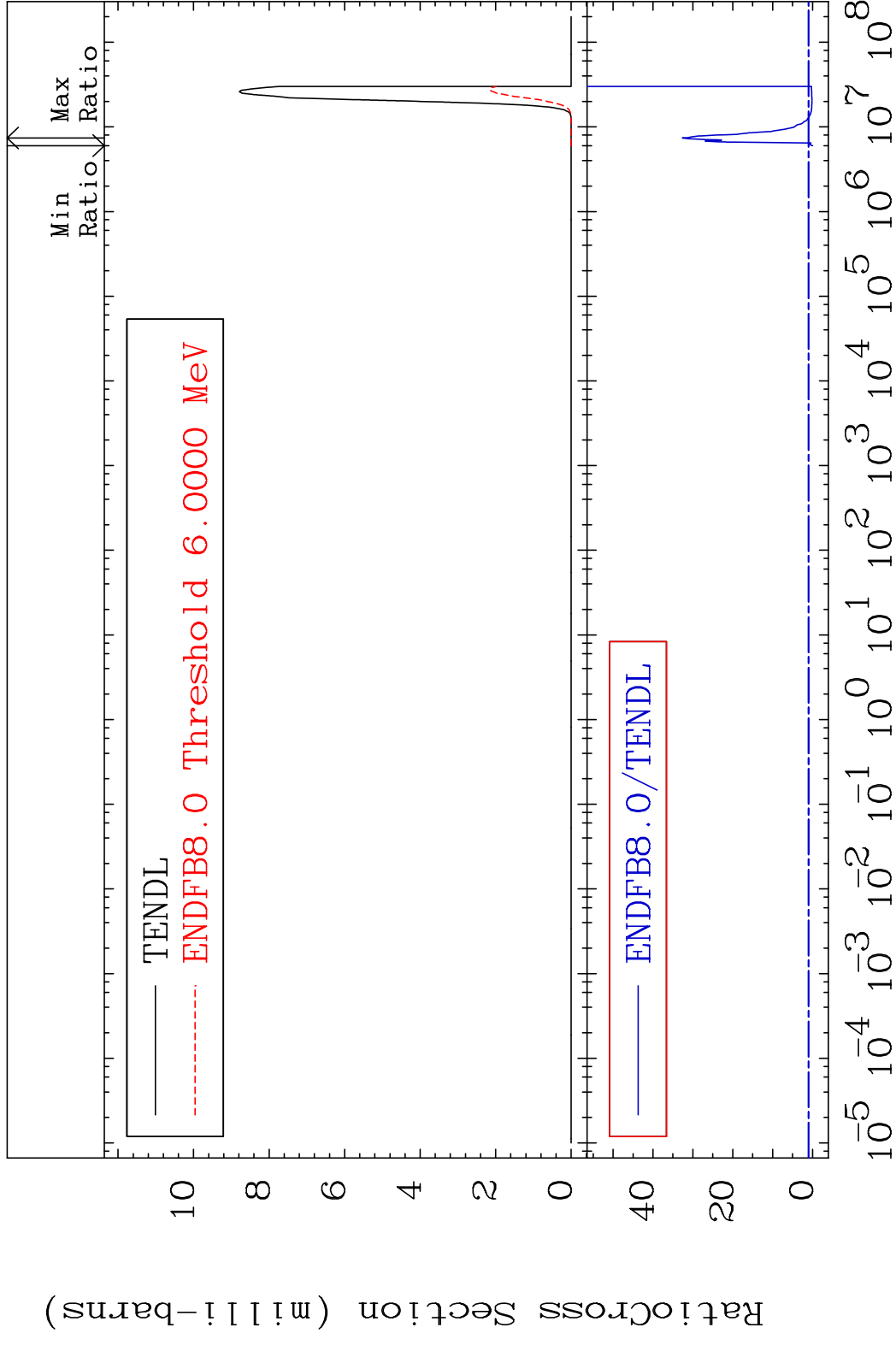


MAT 6928 Dpa disappearance (mt102 -120) 69-Tm-170
 Cross Section -97.72 To 3979. %





MAT 6928 (n, n') α :67-Ho-166m1 69-Tm-170
 Radionuclide Production Cross Section Ratio 3163. %



67 Incident Energy (eV) 69-Tm-170

