

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

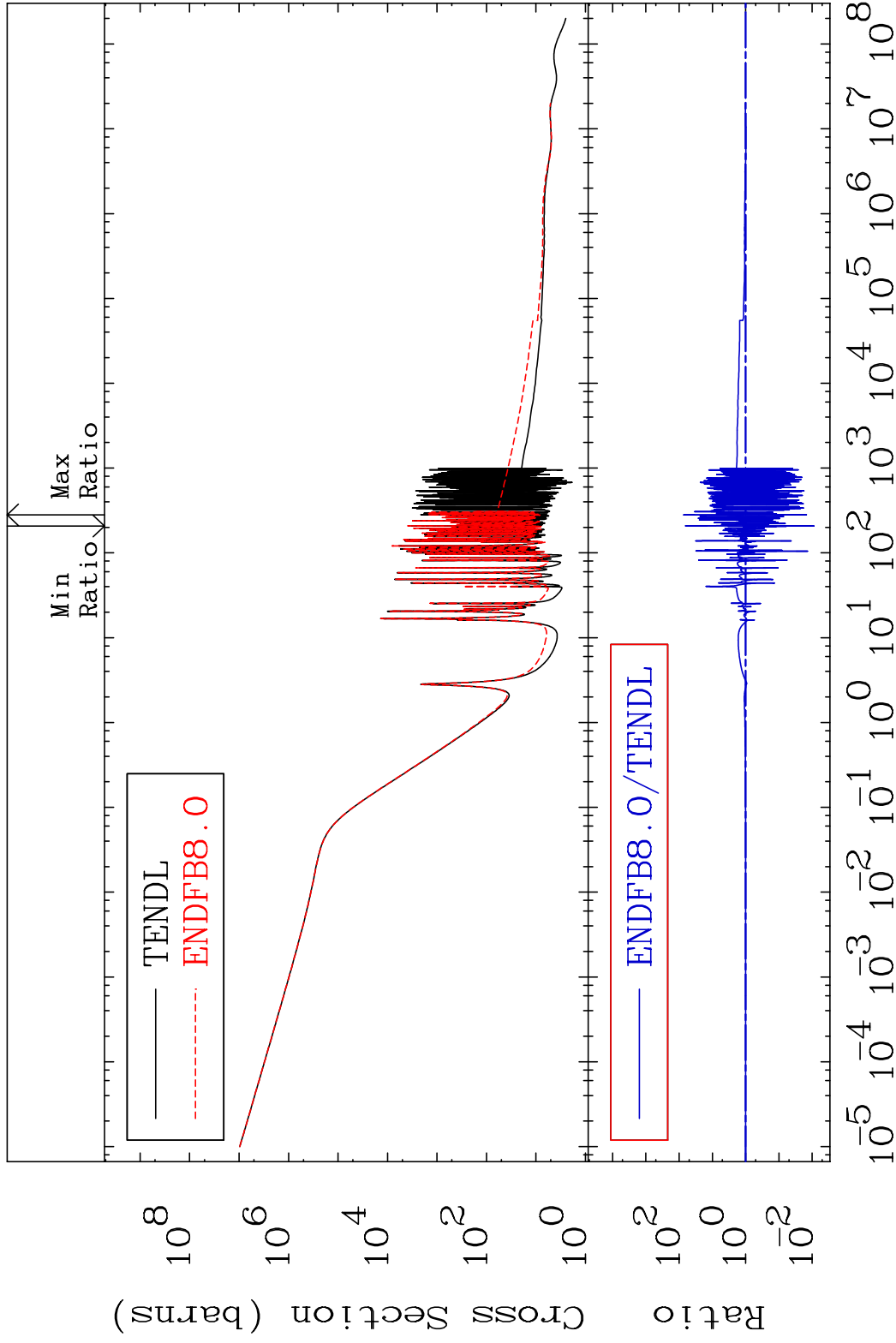
MAT 6440

Total

64-Gd-157

Cross Section

-99.12 To 7194. %



1

Incident Energy (eV)

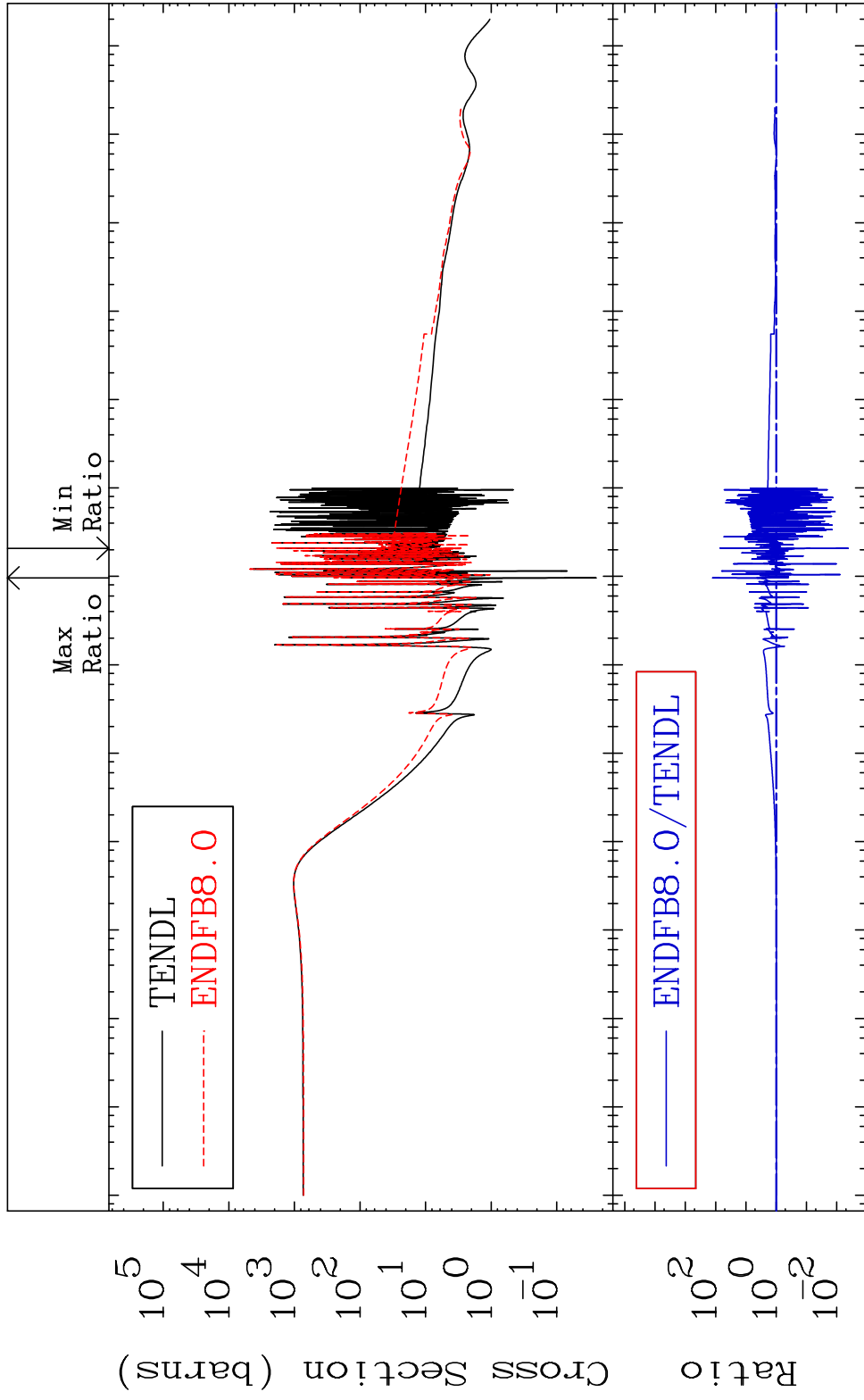
64-Gd-157

MAT 6440

Elastic

64-Gd-157

Cross Section -99.58 To 9999. %

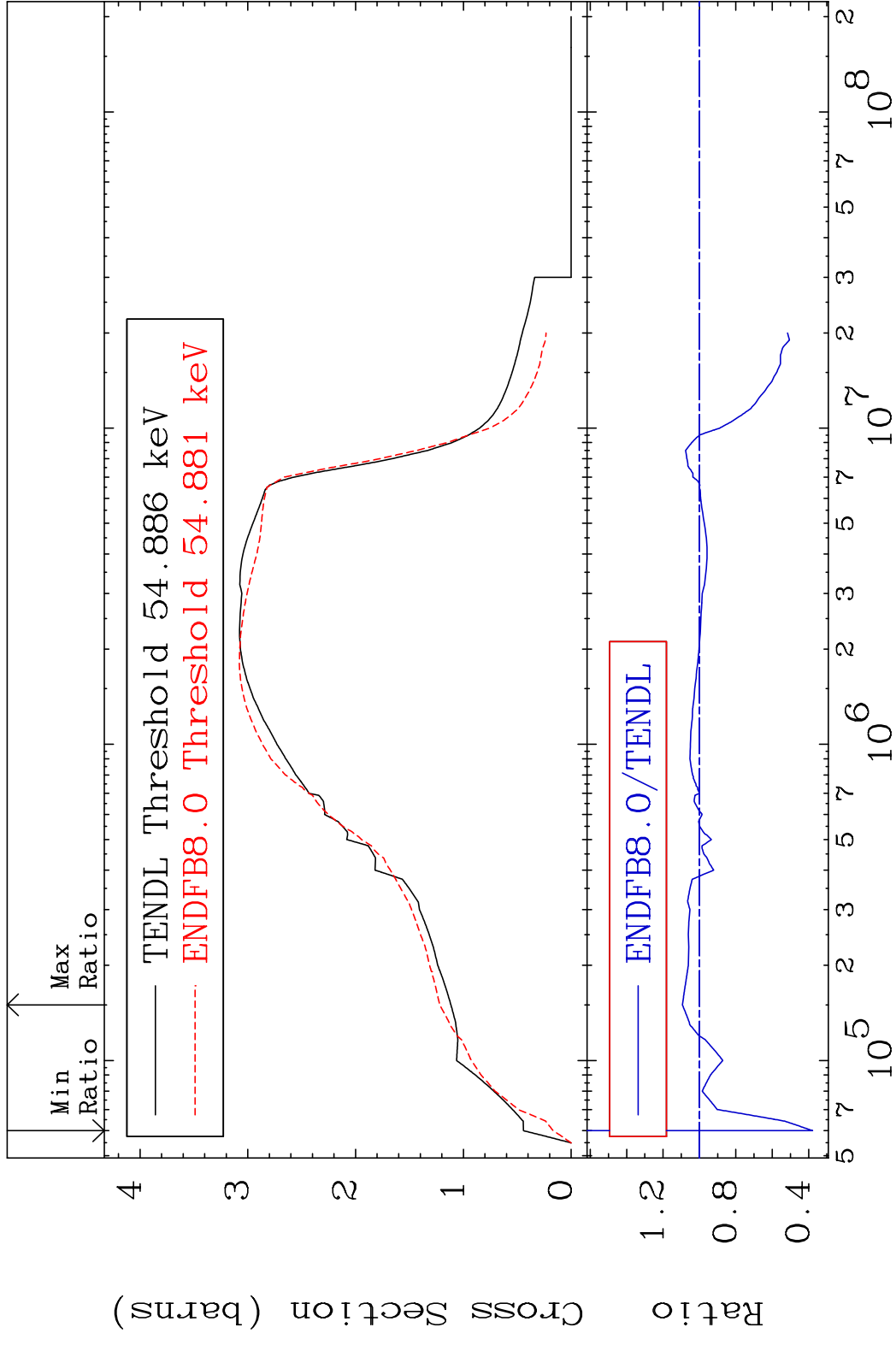


2

Incident Energy (eV)

64-Gd-157

MAT 6440 Inelastic 64-Gd-157
 Cross Section -62.16 To 9.383 %

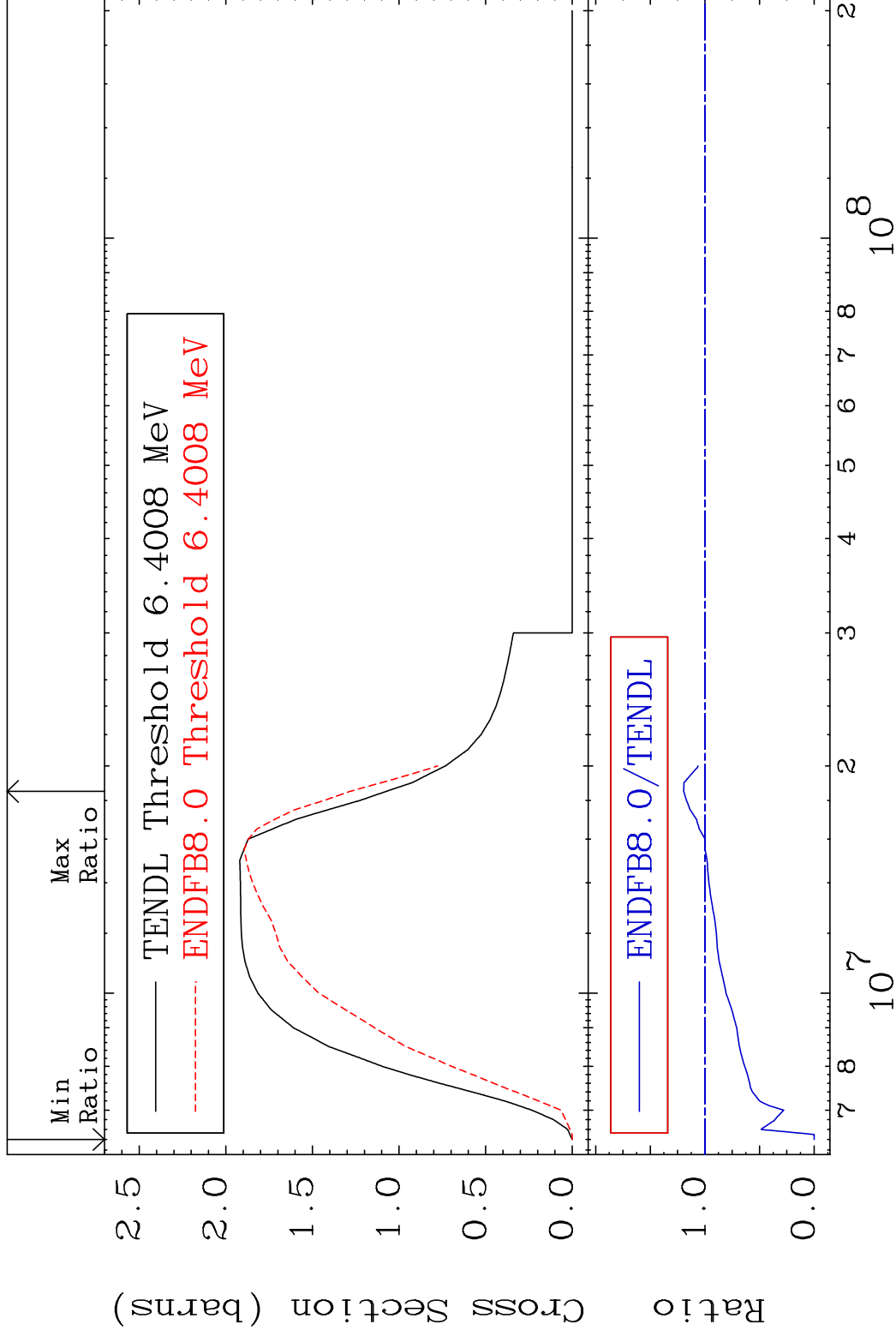


MAT 6440

(n,2n)

64-Gd-157

Cross Section -100.0 To 19.43 %



4

Incident Energy (eV)

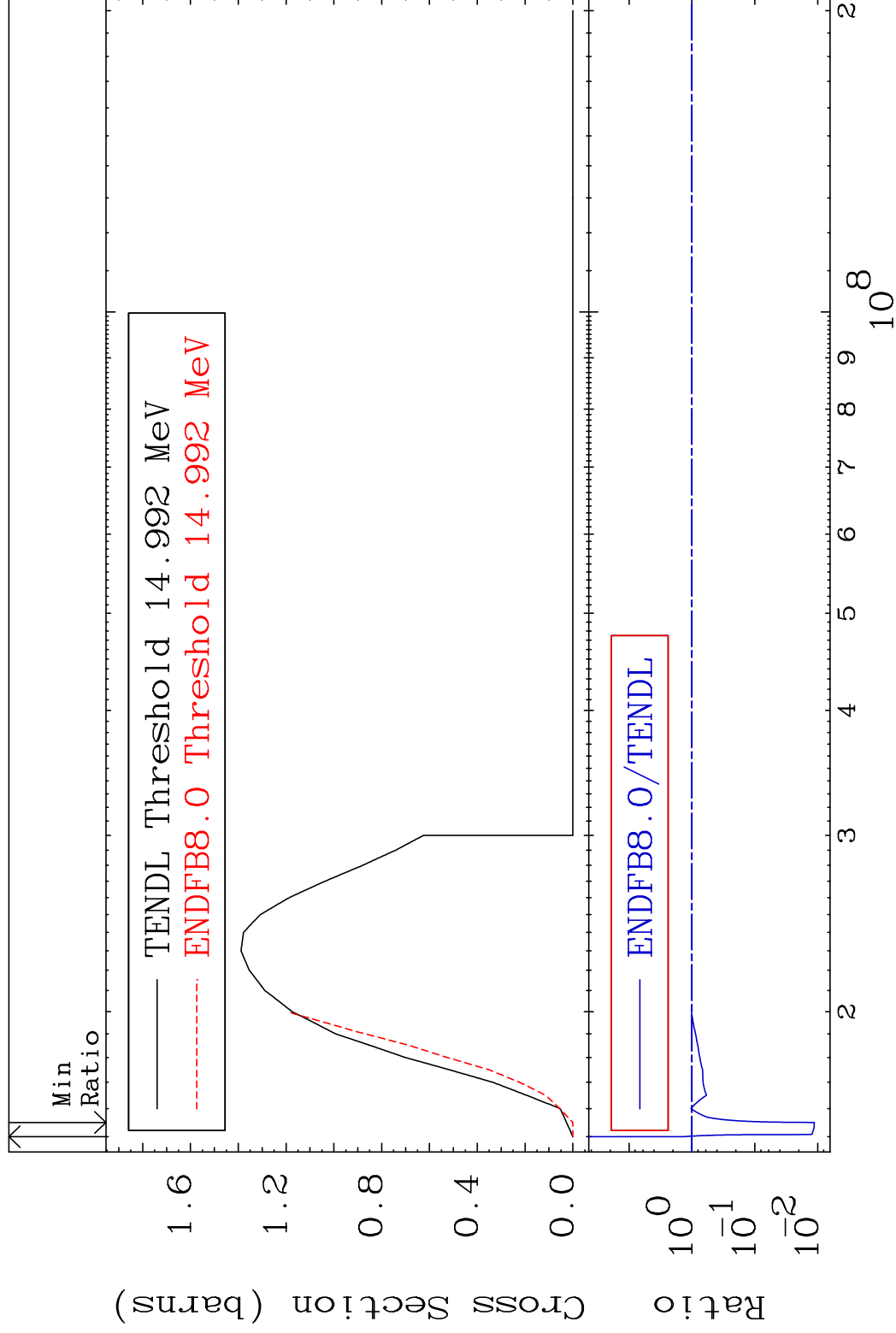
64-Gd-157

MAT 6440

(n,3n)

64-Gd-157

Cross Section -98.87 To 33.37 %

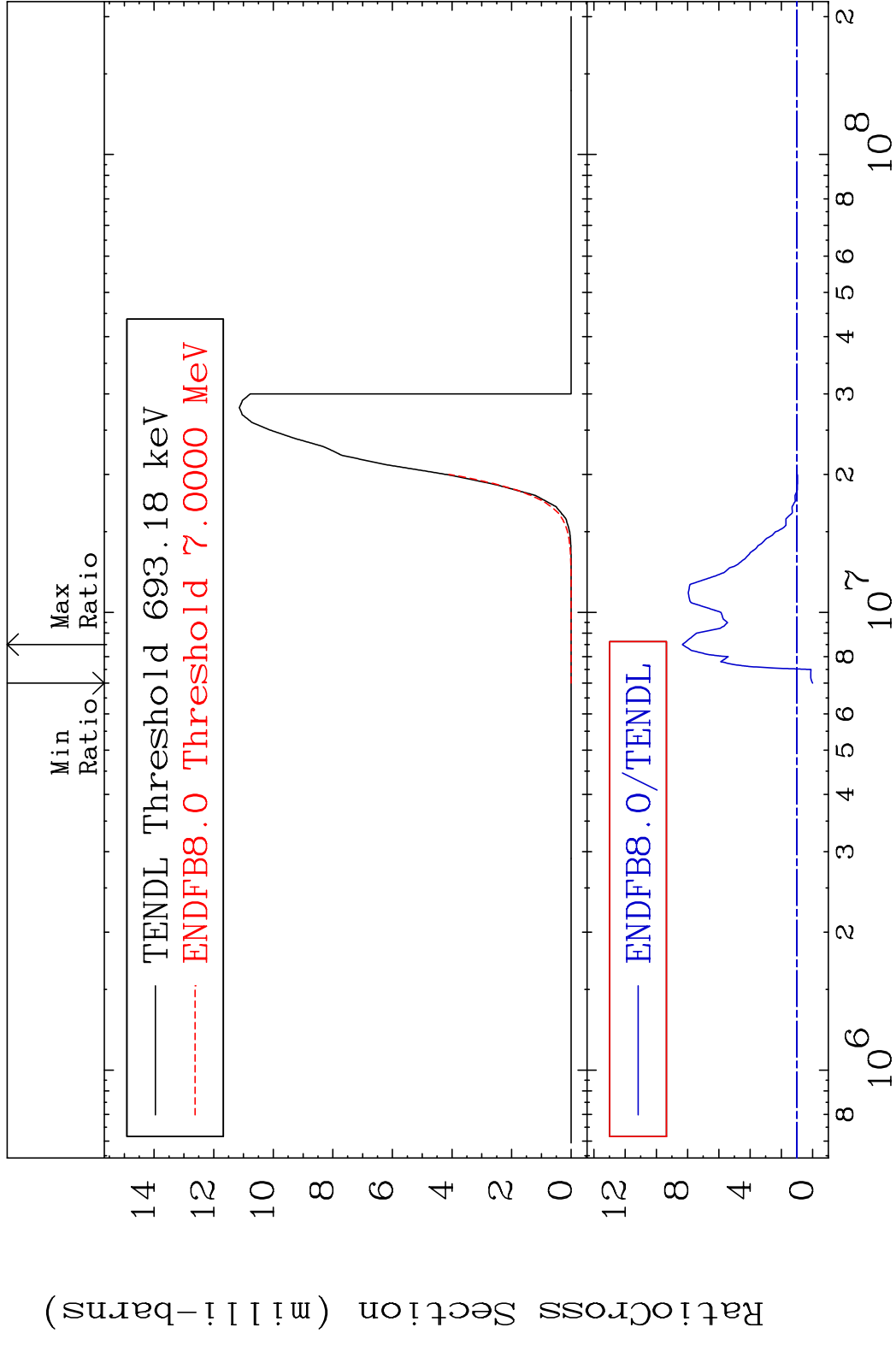


5

Incident Energy (eV)

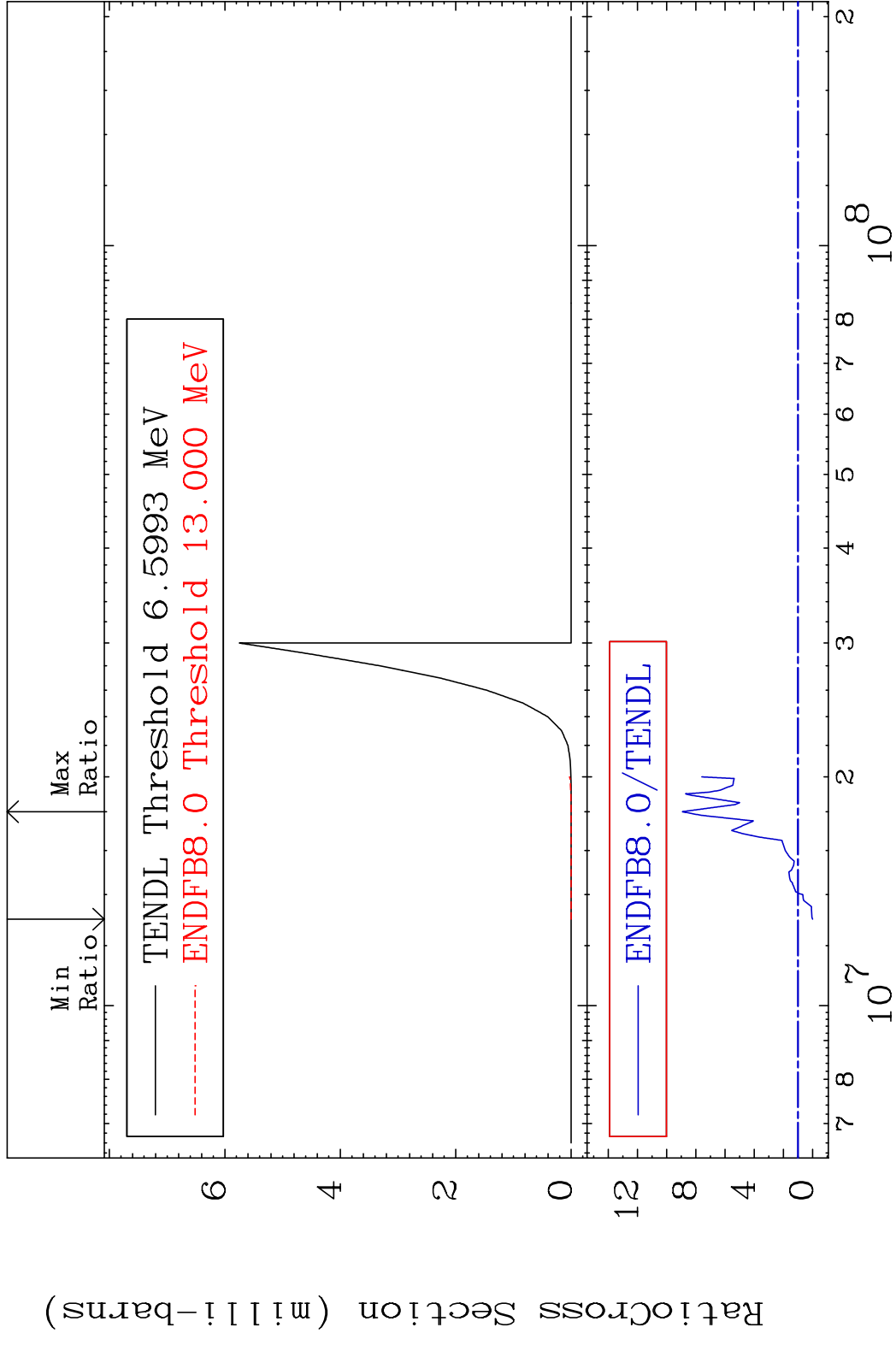
64-Gd-157

MAT 6440 (n, n') α 64-Gd-157
 Cross Section -100.0 To 733.4 %

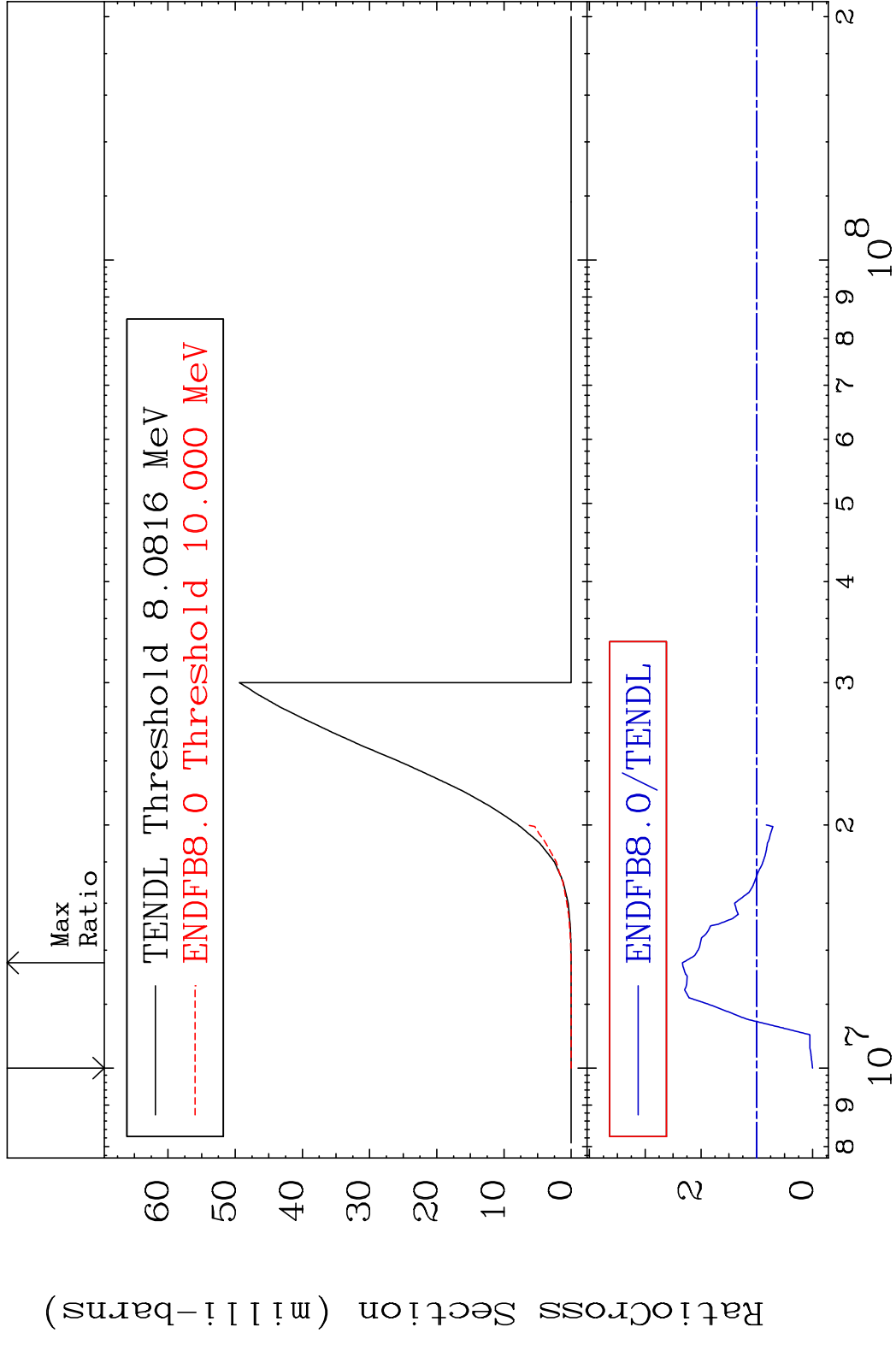


6 Incident Energy (eV) 64-Gd-157

MAT 6440 (n,2n) α 64-Gd-157
 Cross Section -100.0 To 792.1 %

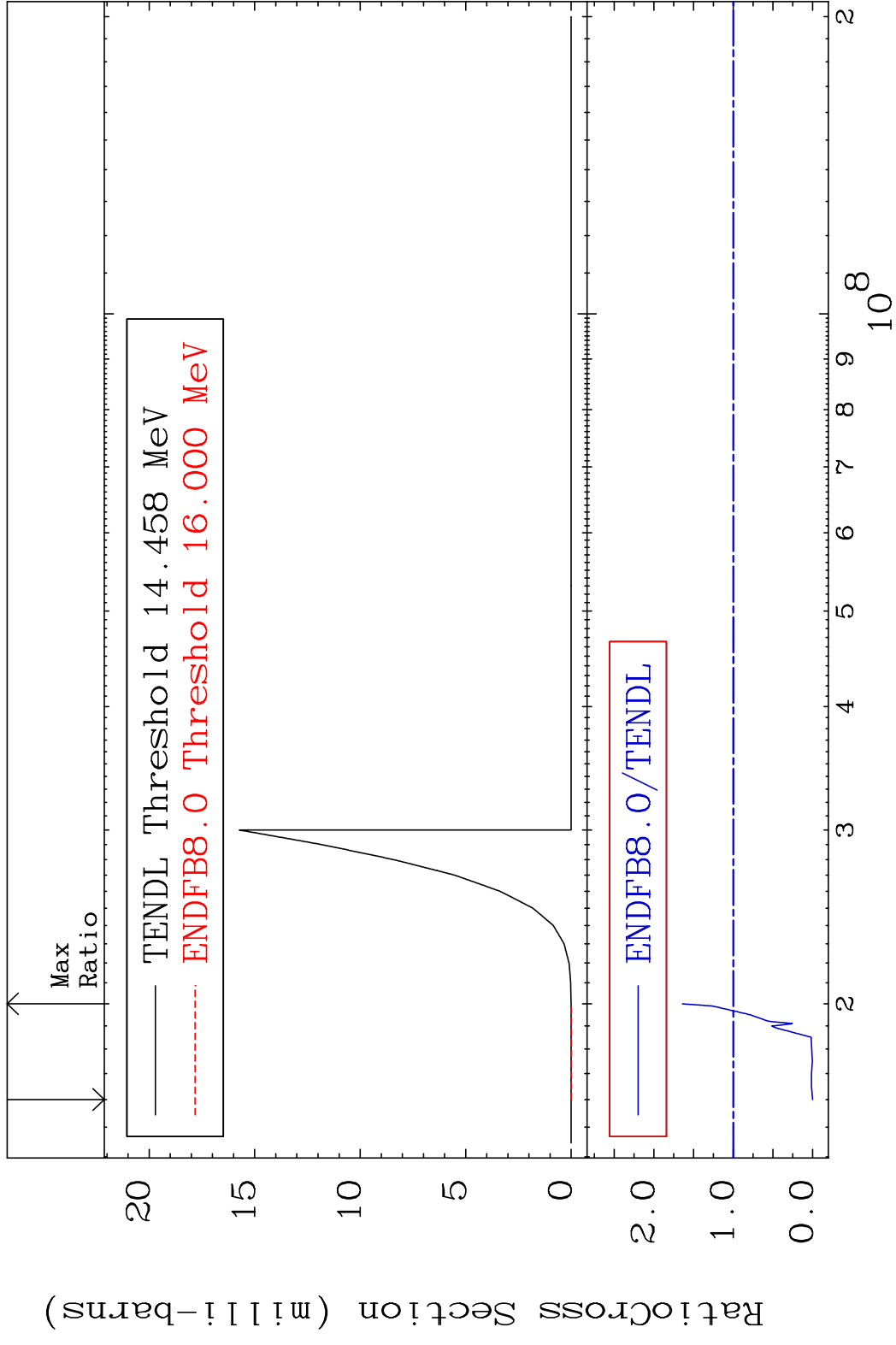


MAT 6440 (n, n') p 64-Gd-157
 Cross Section -100.0 To 133.4 %

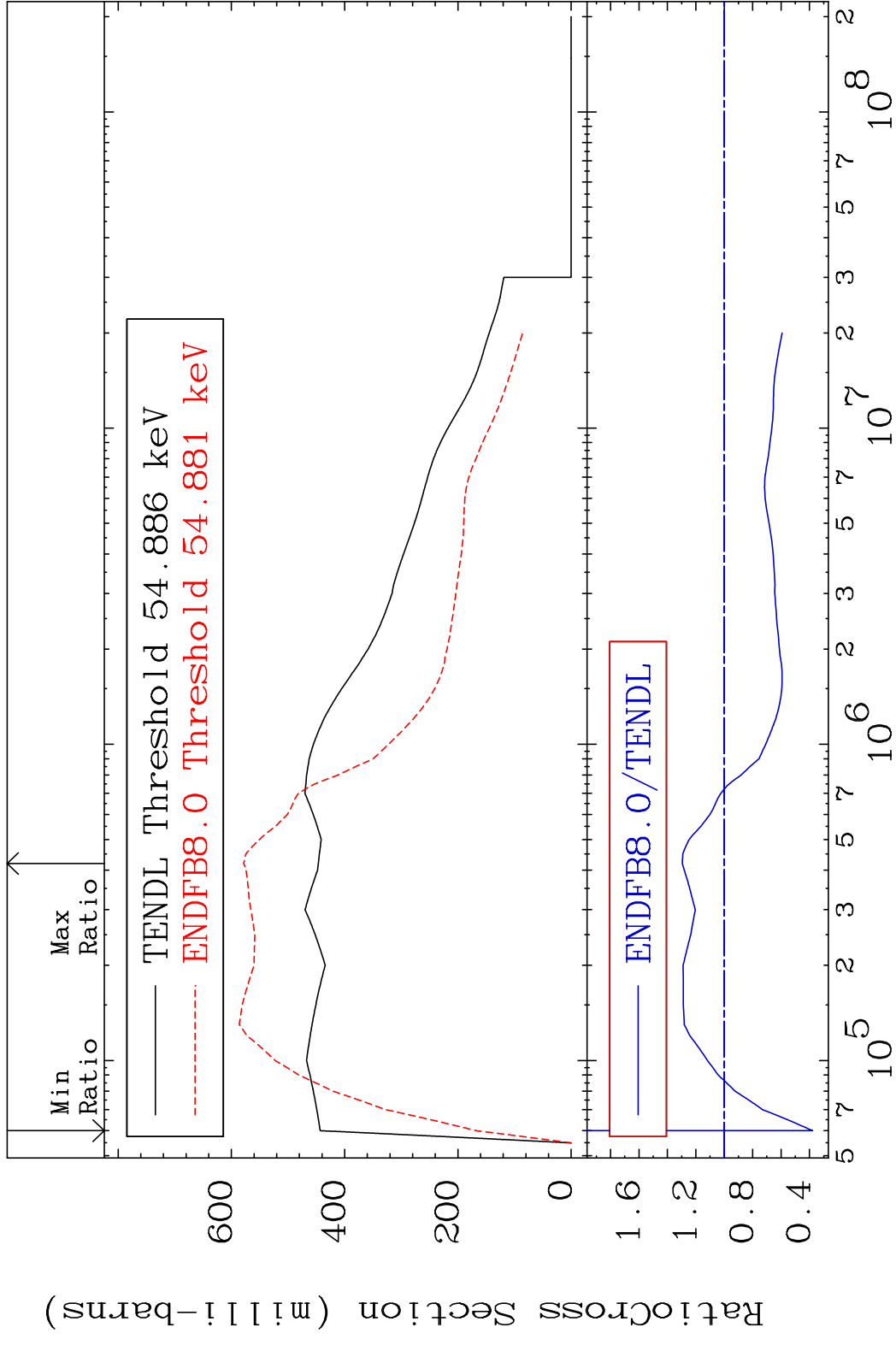


8 Incident Energy (eV) 64-Gd-157

MAT 6440 (n,2n) p 64-Gd-157
 Cross Section -100.0 To 64.18 %

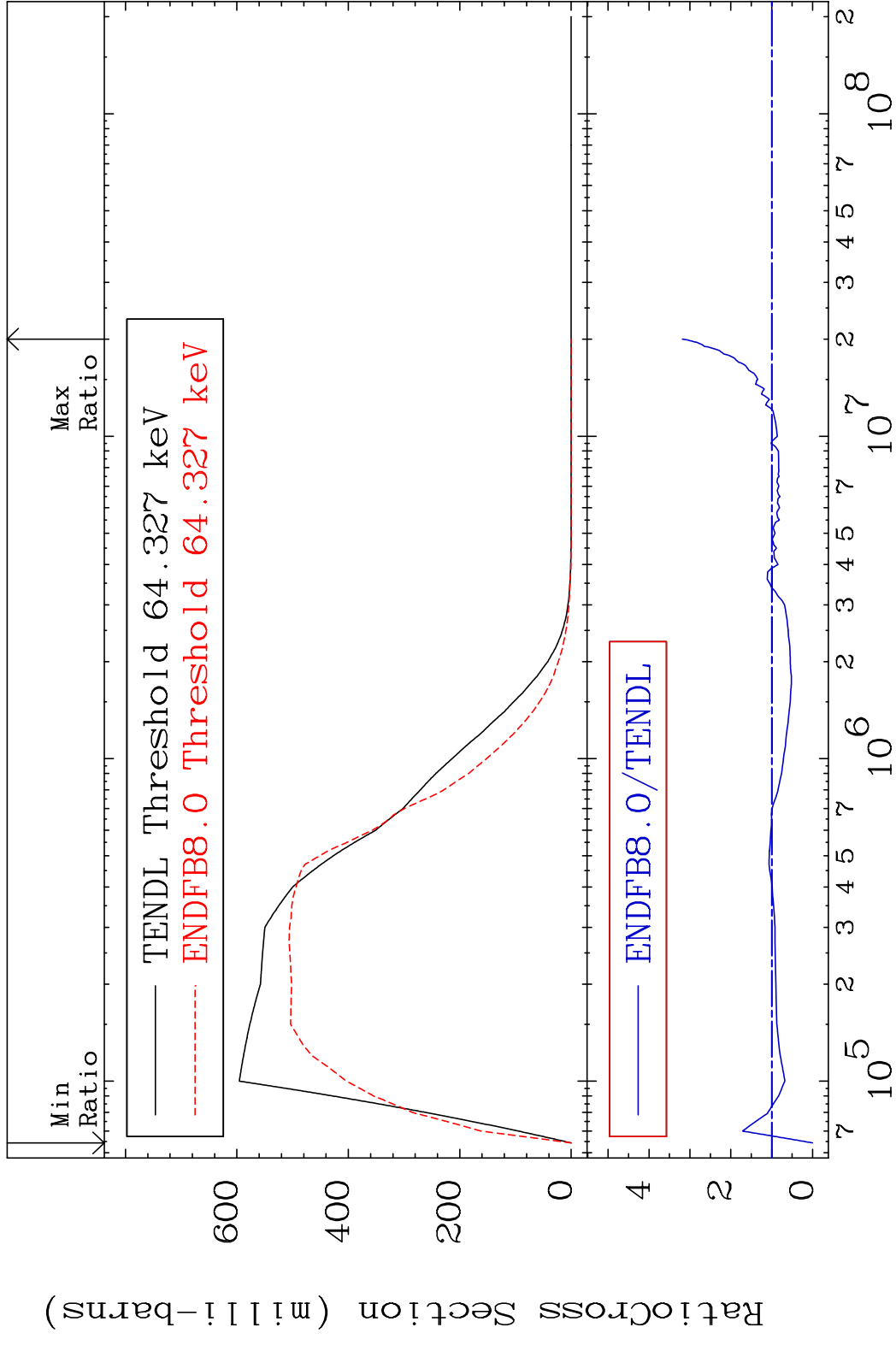


MAT 6440 MT= 51 (n, n') Level 64-Gd-157
 Cross Section -62.16 To 29.48 %

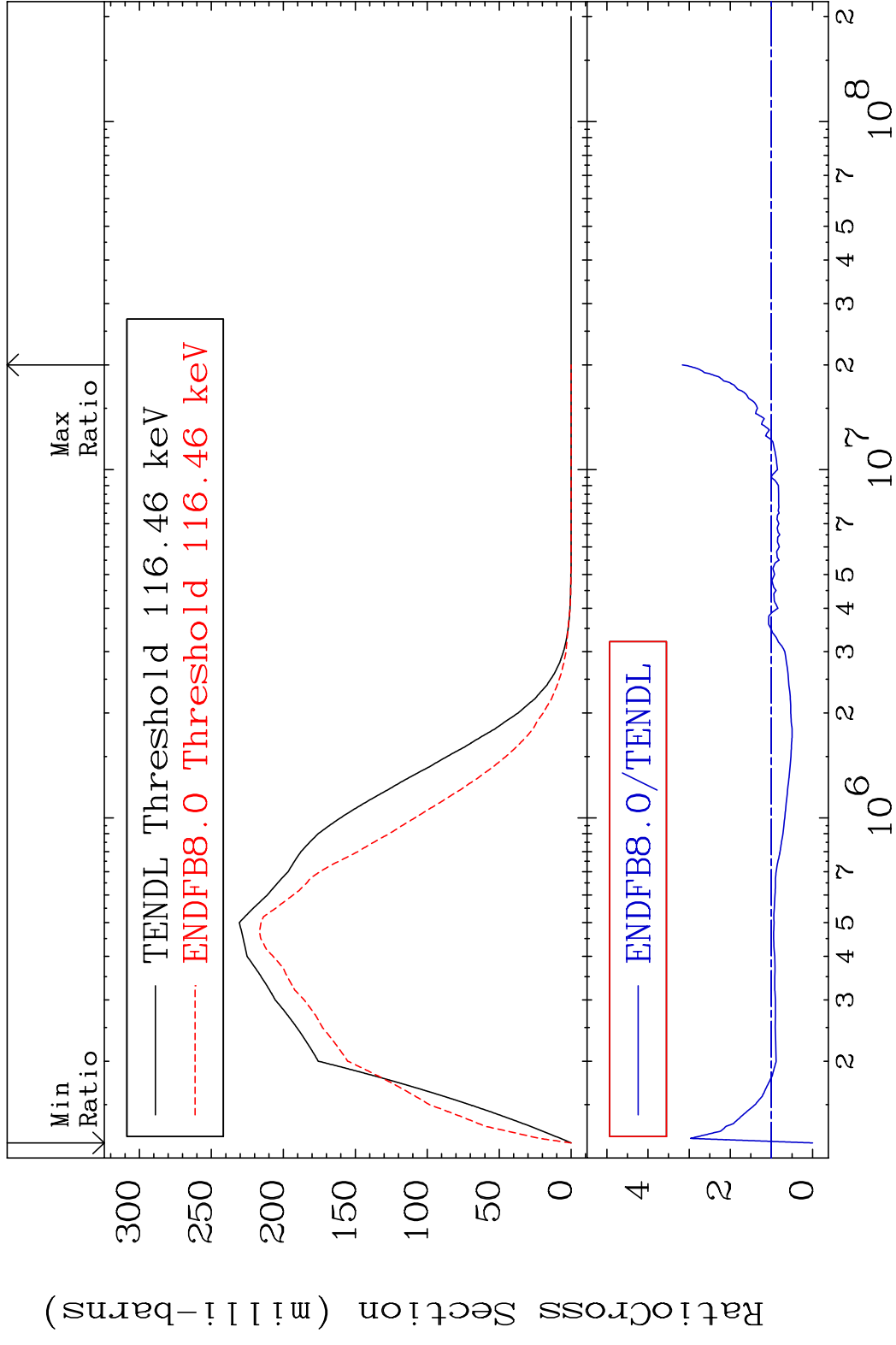


10 Incident Energy (eV) 64-Gd-157

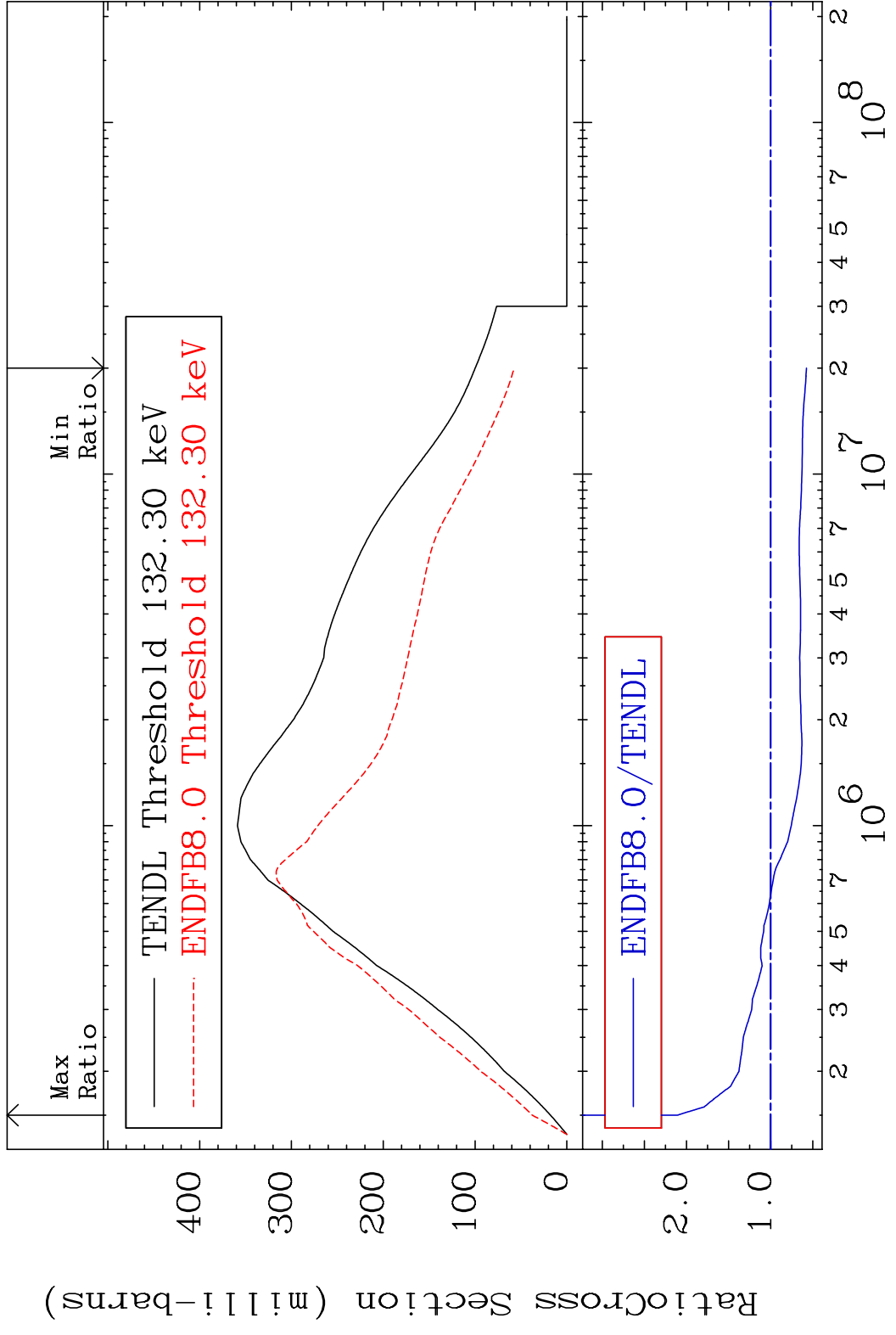
MAT 6440 MT= 52 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 218.5 %



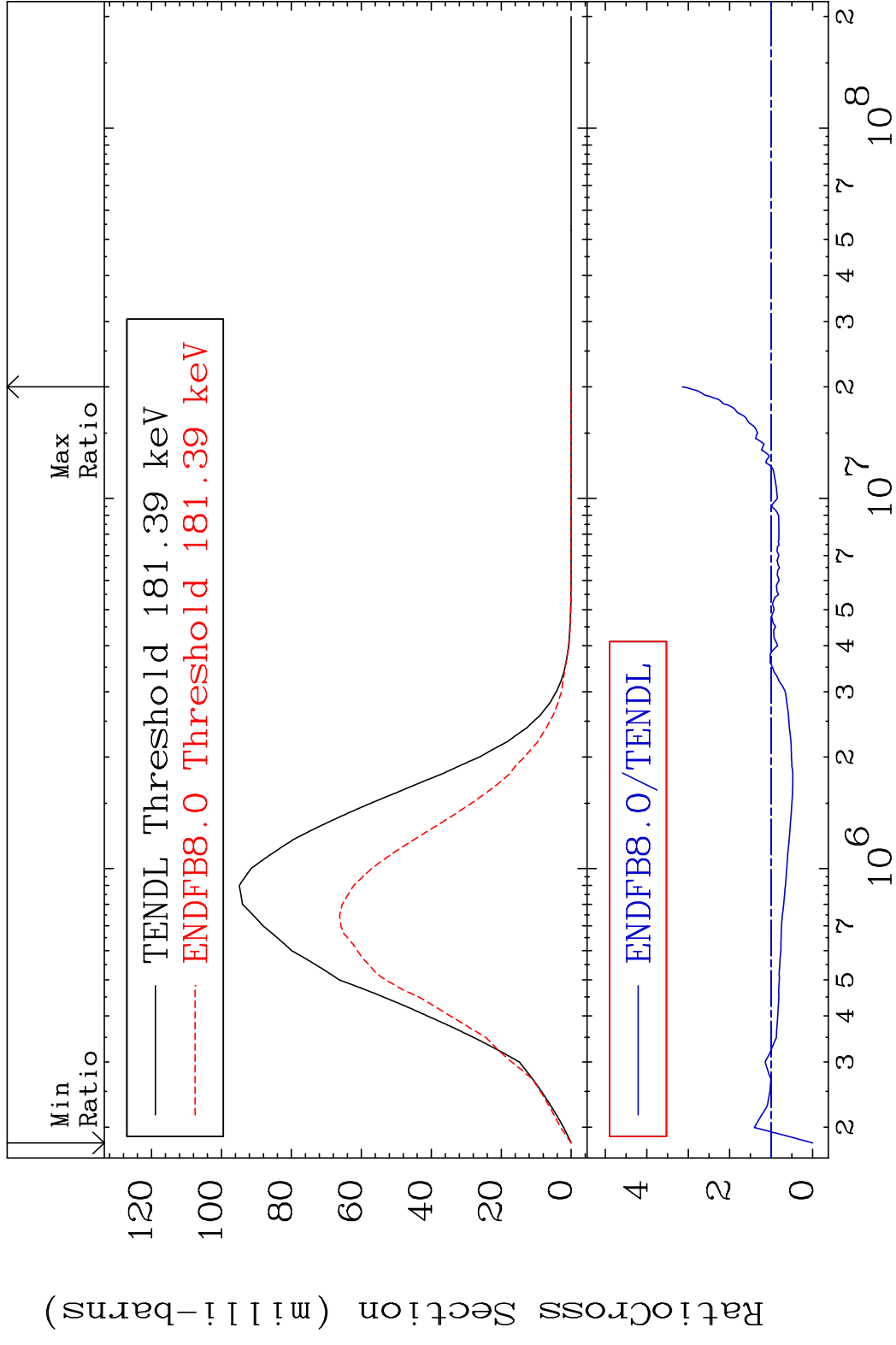
MAT 6440 MT= 53 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 216.5 %



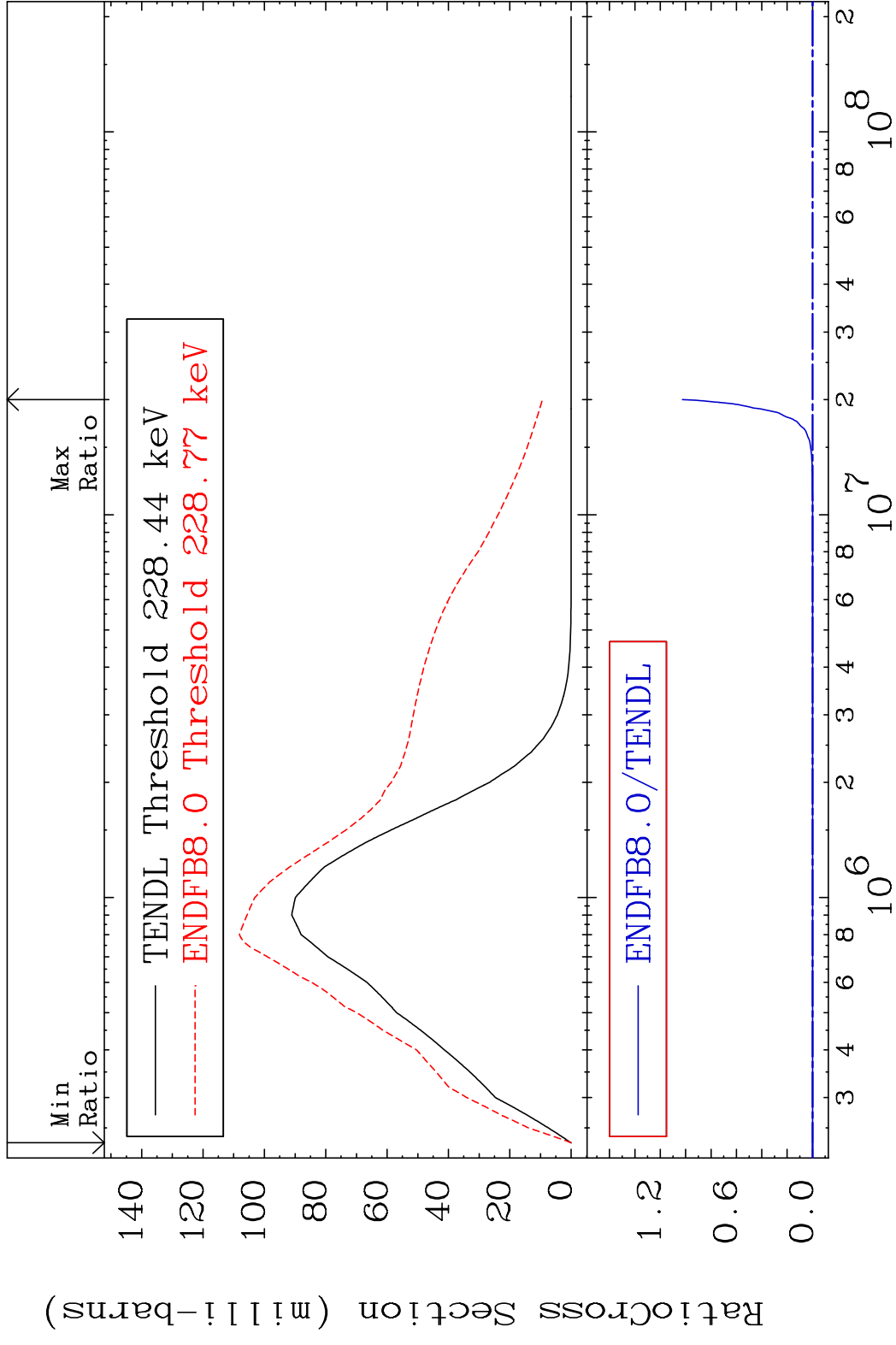
MAT 6440 MT= 54 (n,n') Level 64-Gd-157
 Cross Section -42.45 To 111.0 %



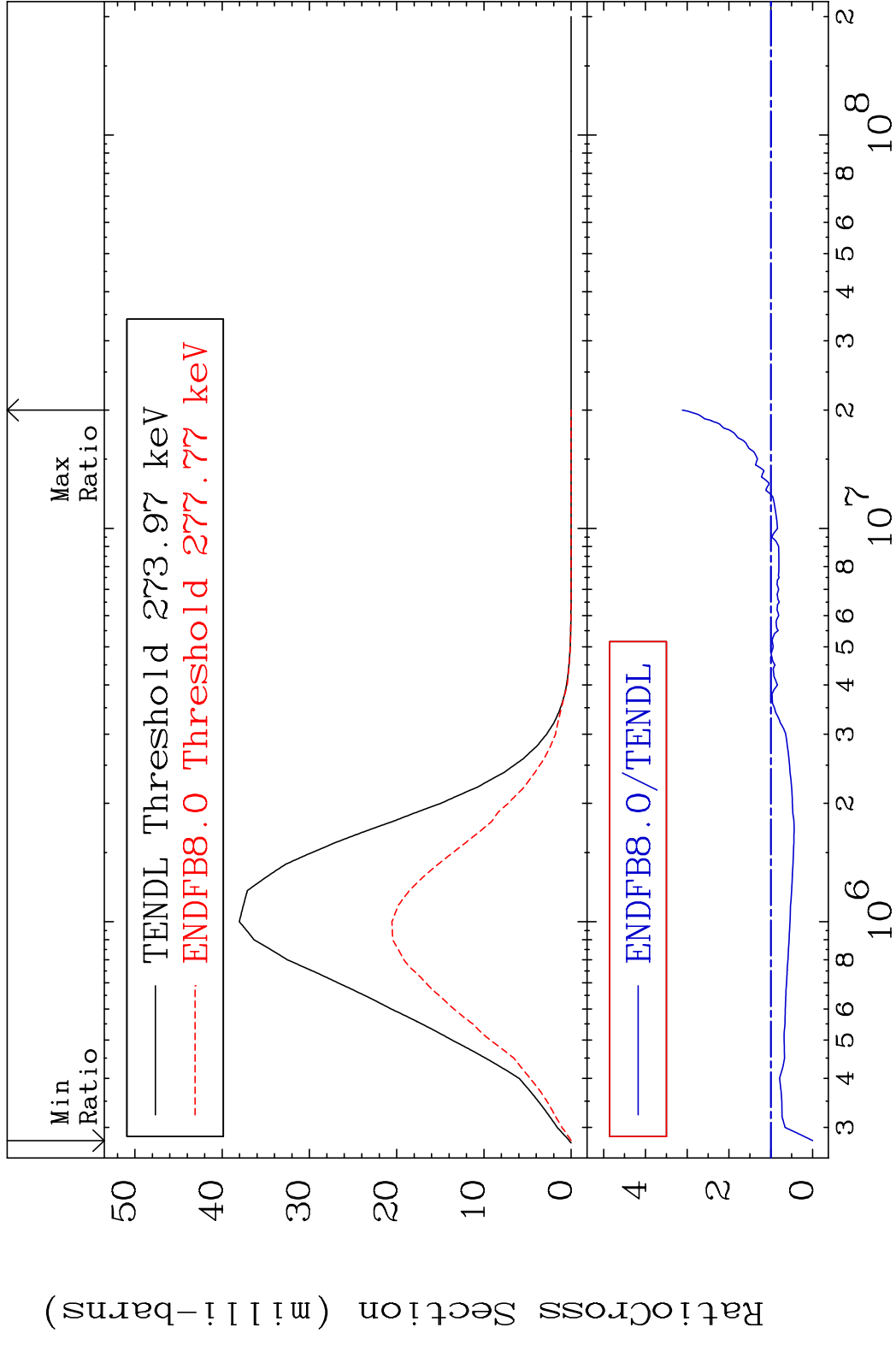
MAT 6440 MT= 55 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 214.2 %



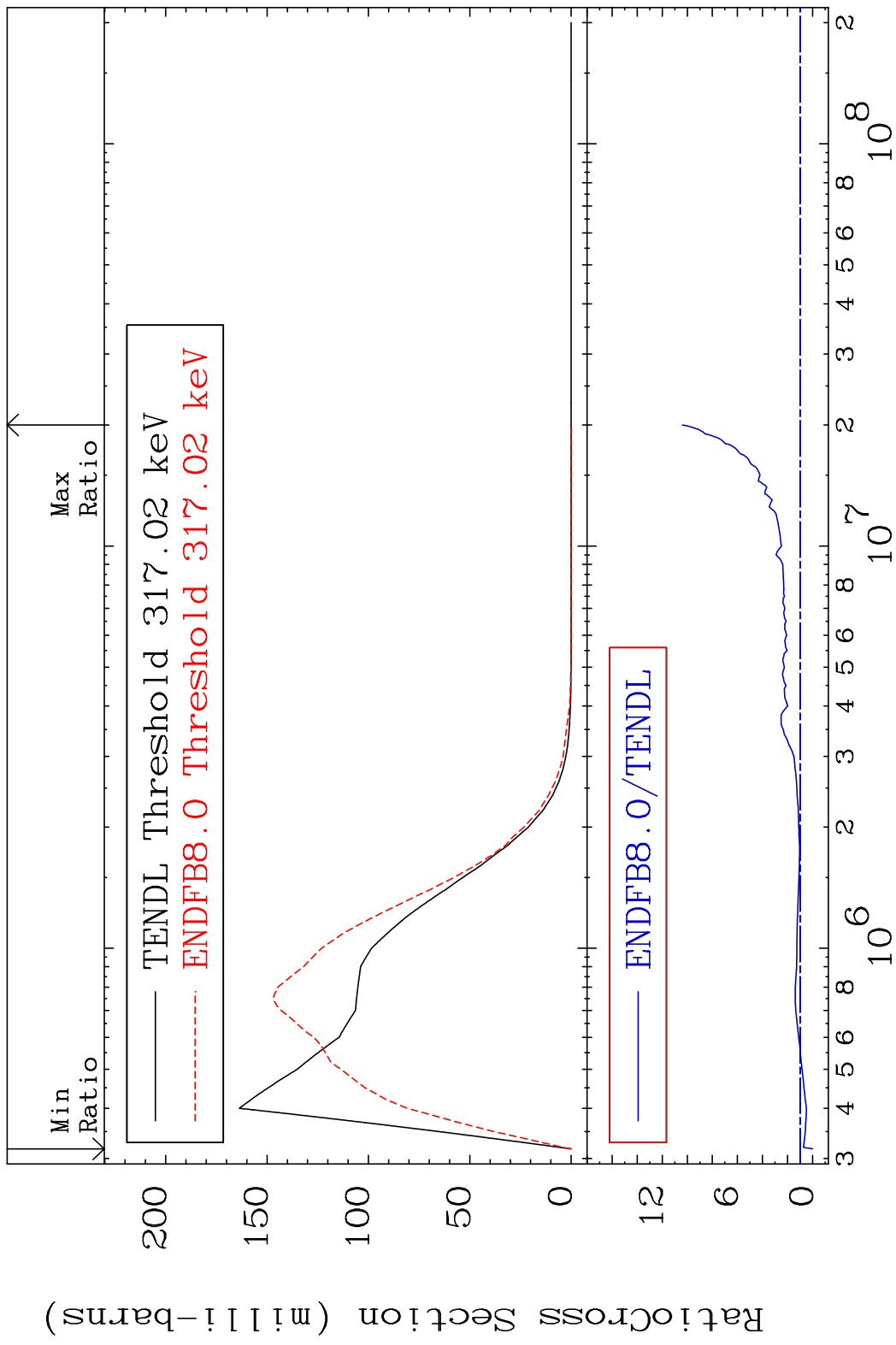
MAT 6440 MT= 56 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



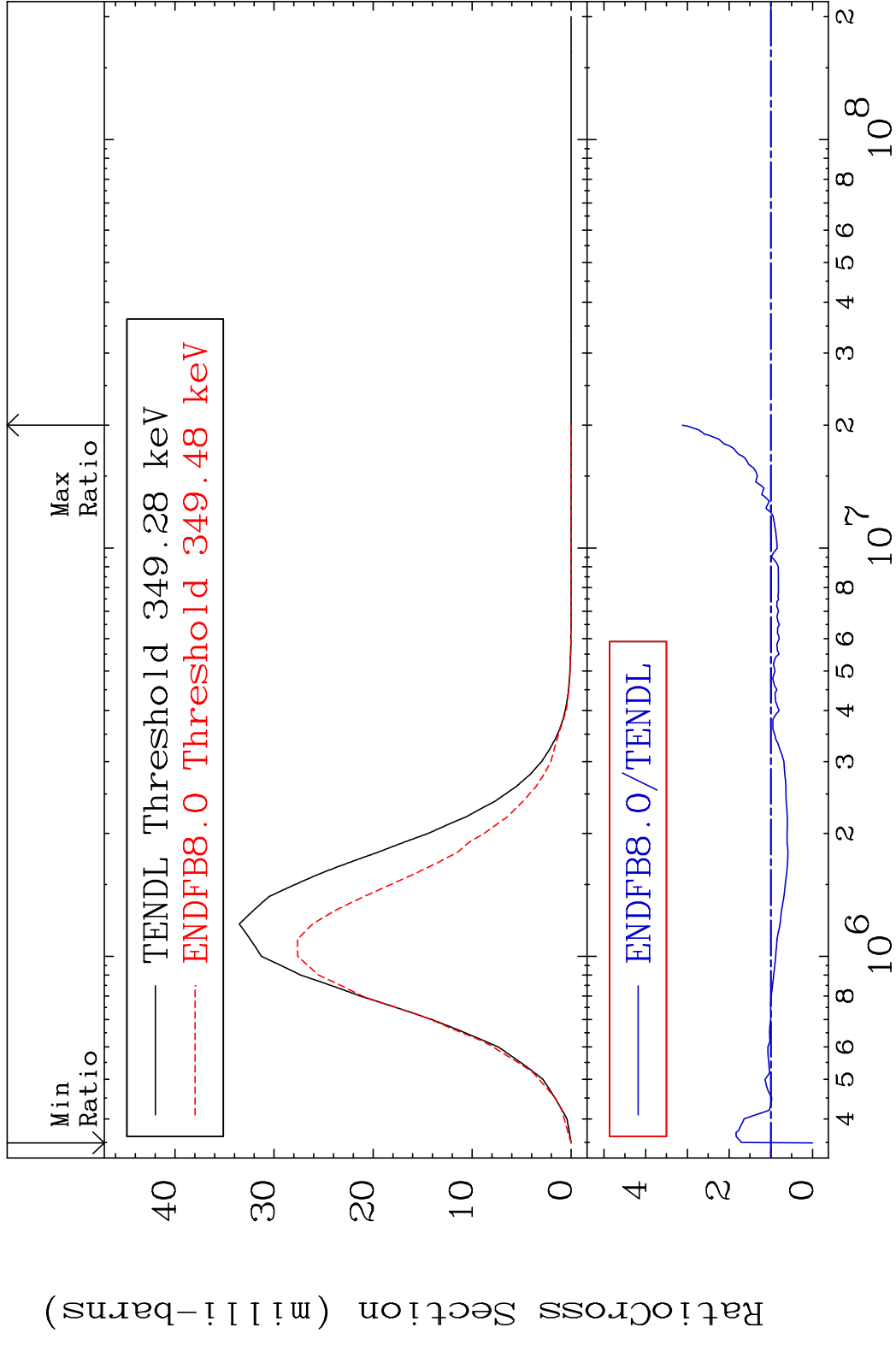
MAT 6440 MT= 57 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 211.6 %



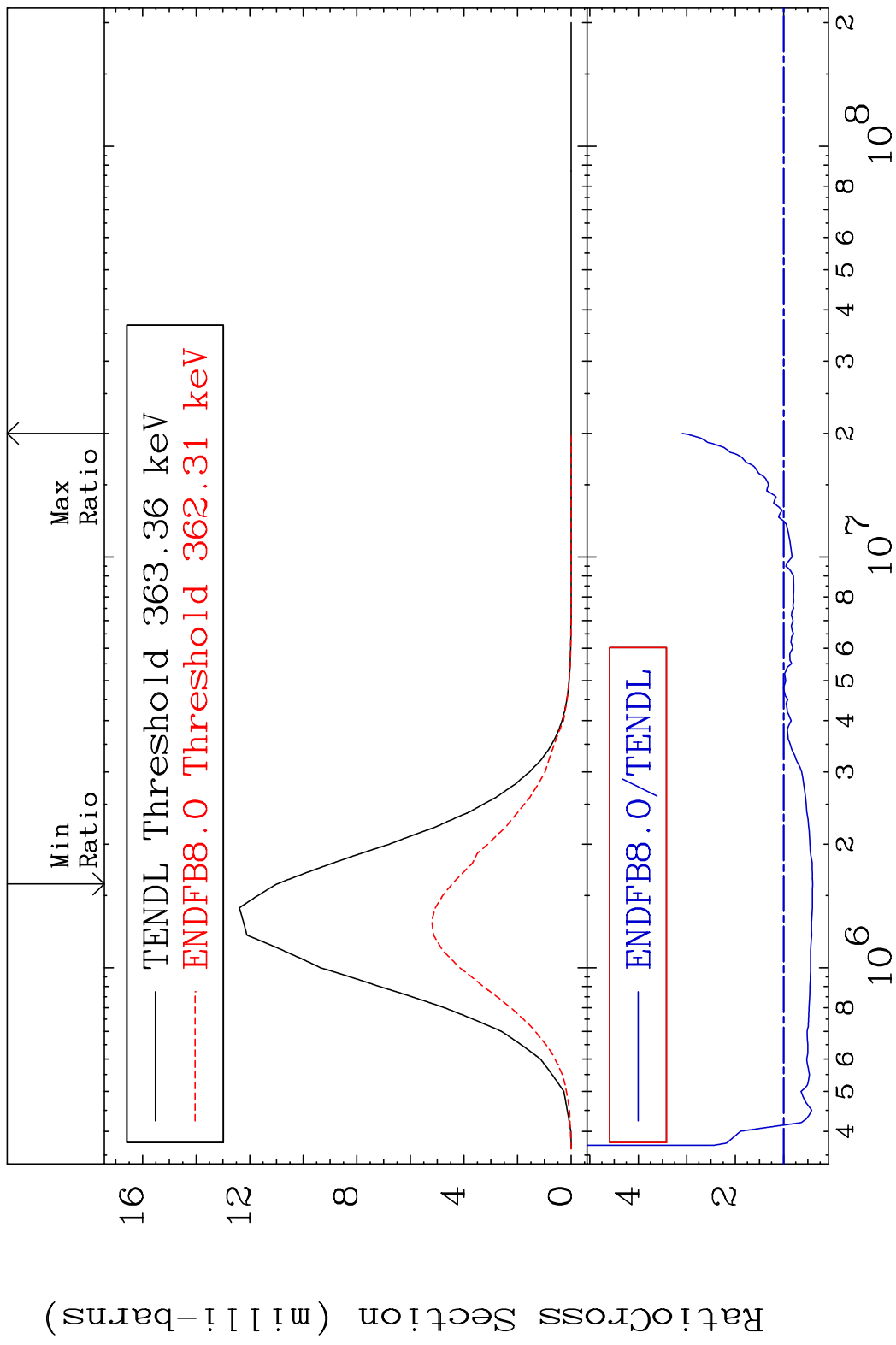
MAT 6440 MT= 58 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 939.6 %



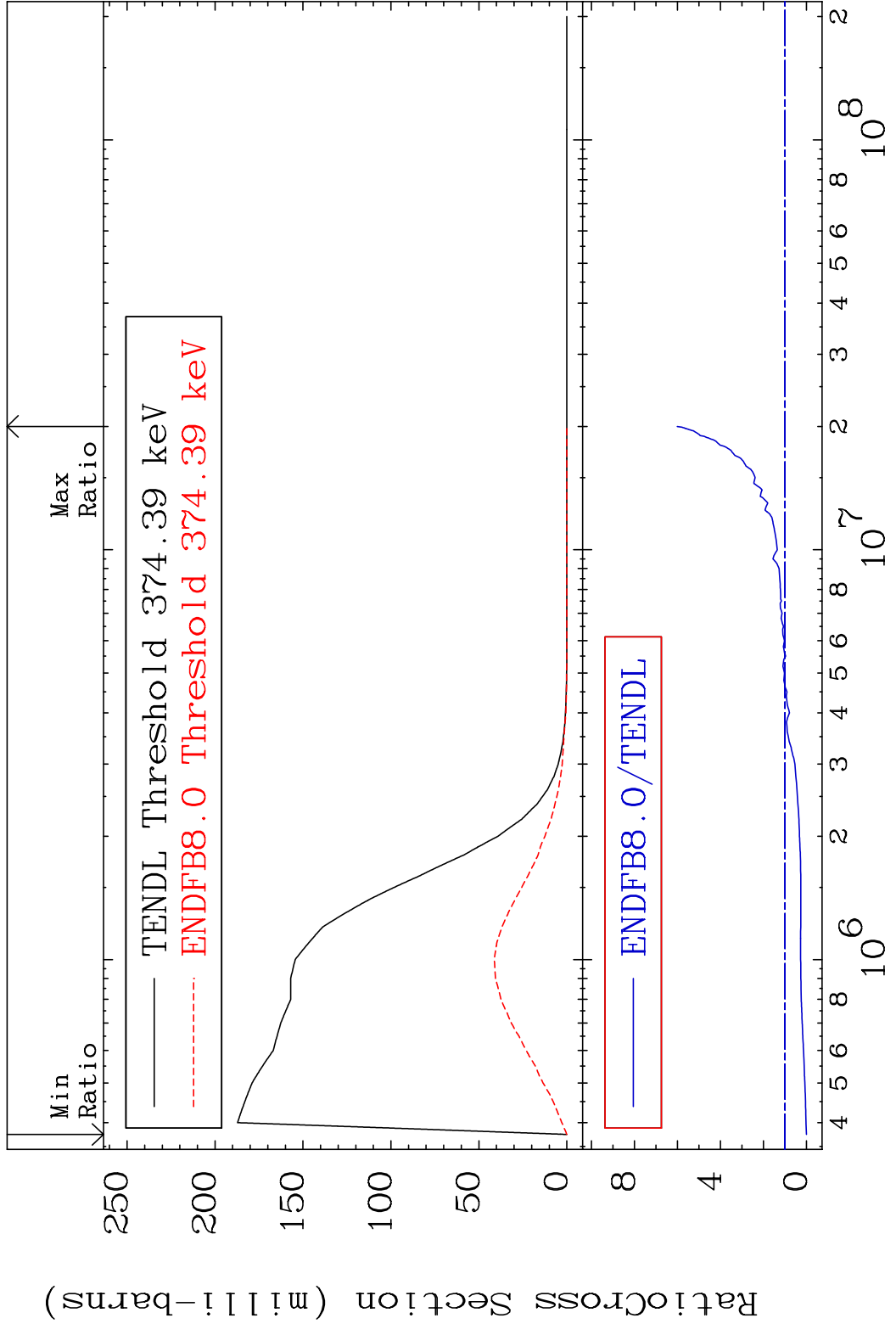
MAT 6440 MT= 59 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 212.1 %



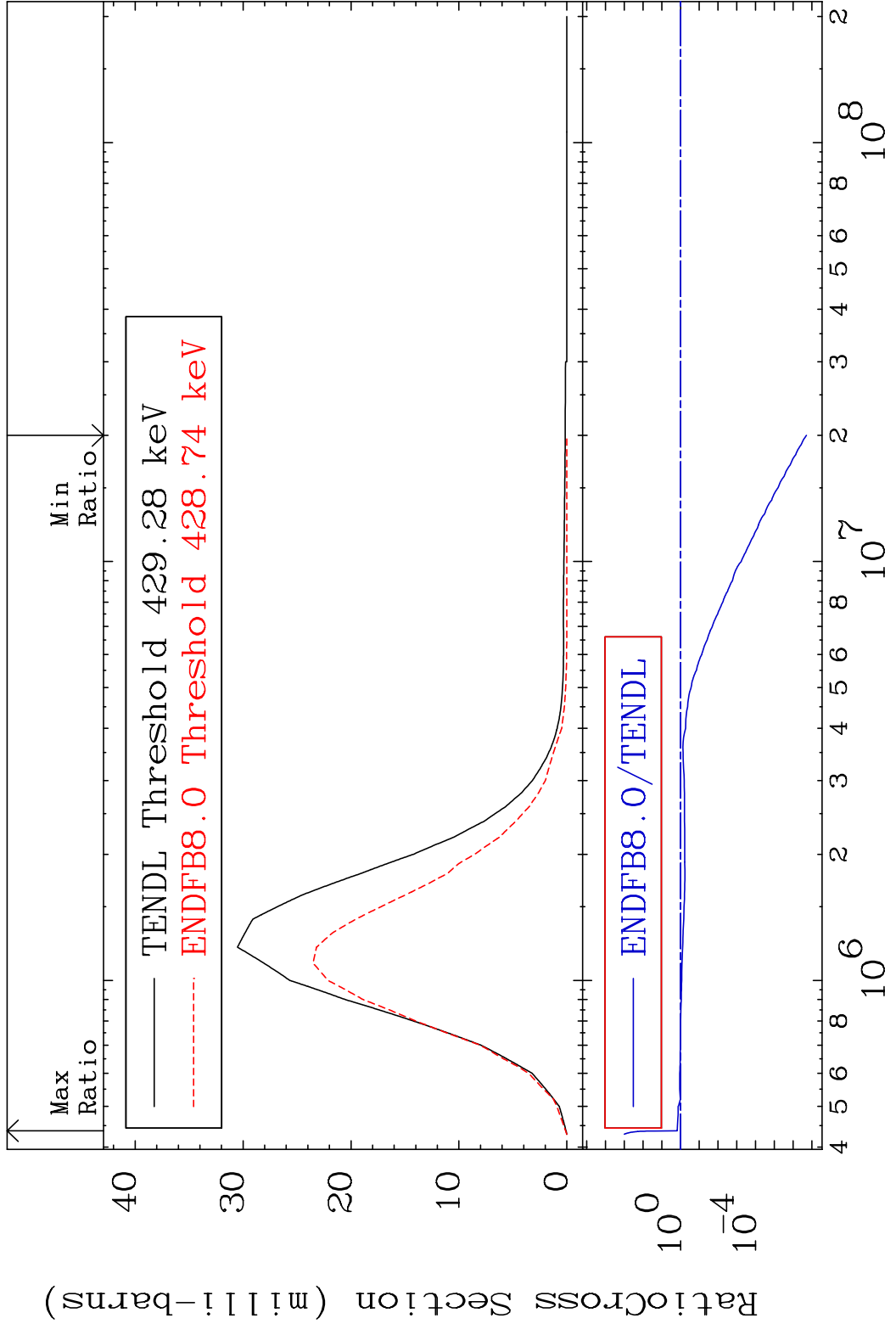
MAT 6440 MT= 60 (n, n') Level 64-Gd-157
 Cross Section -59.57 To 209.1 %



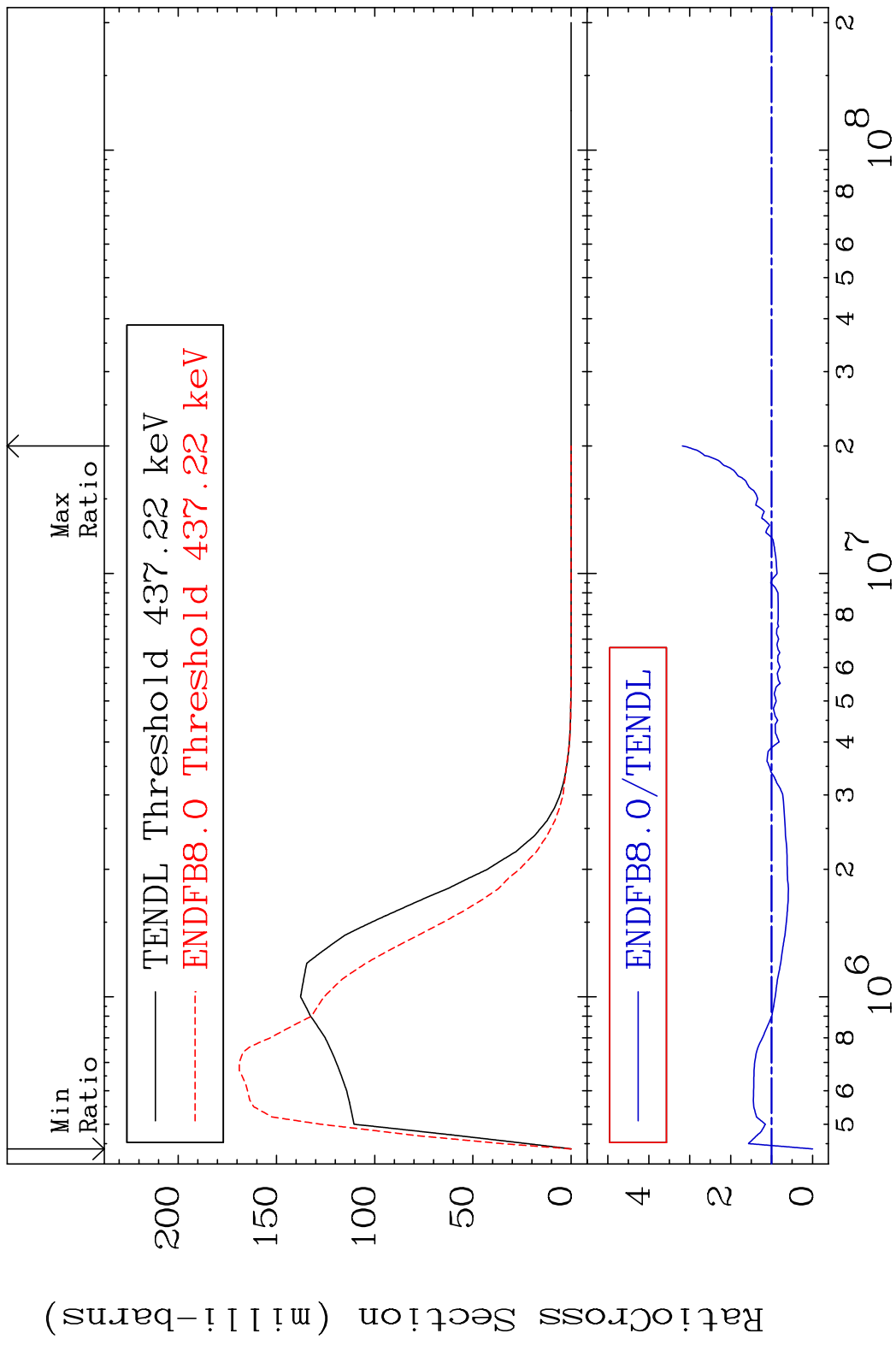
MAT 6440 MT= 61 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 501.0 %



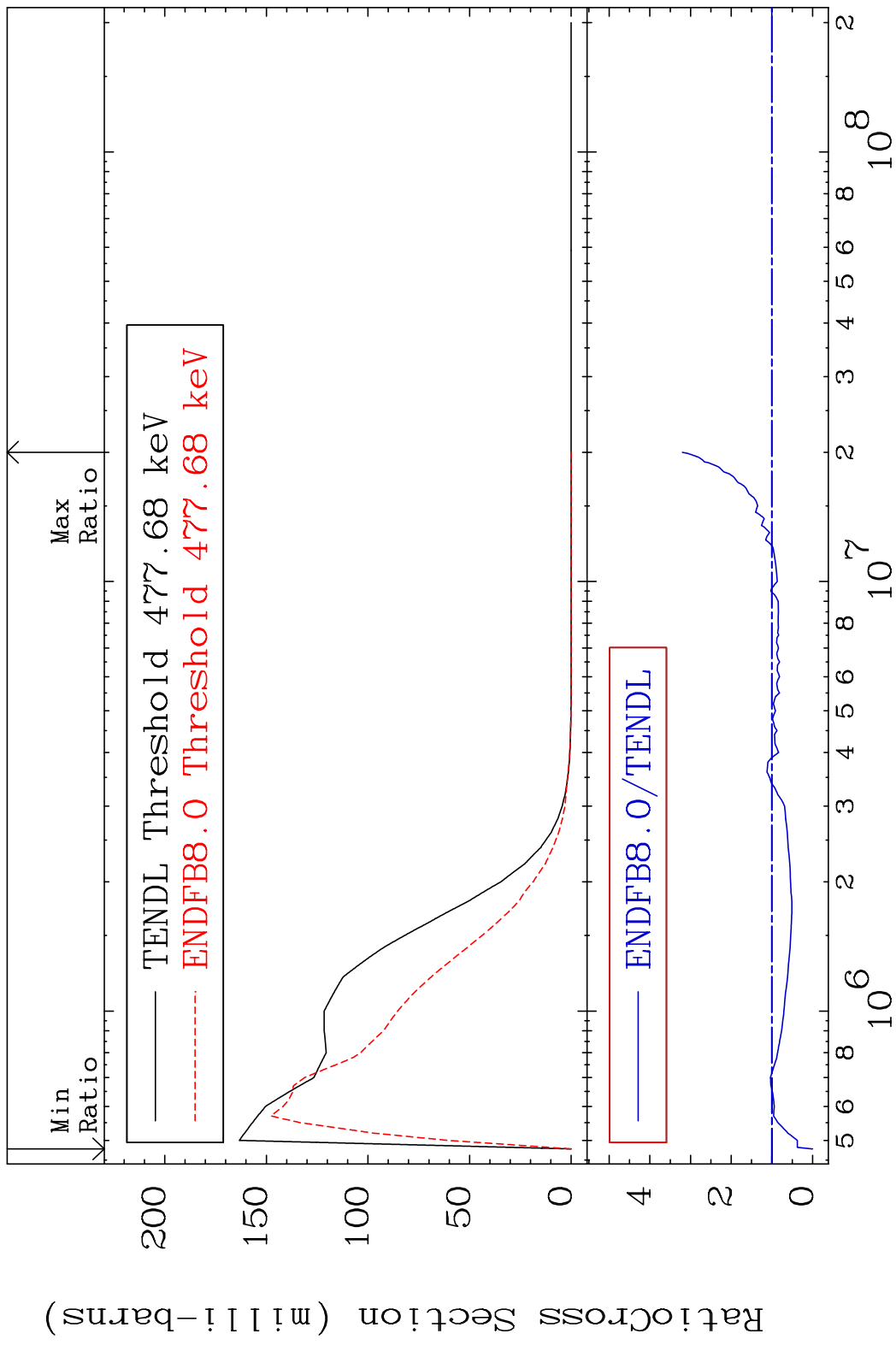
MAT 6440 MT= 62 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 50.29 %



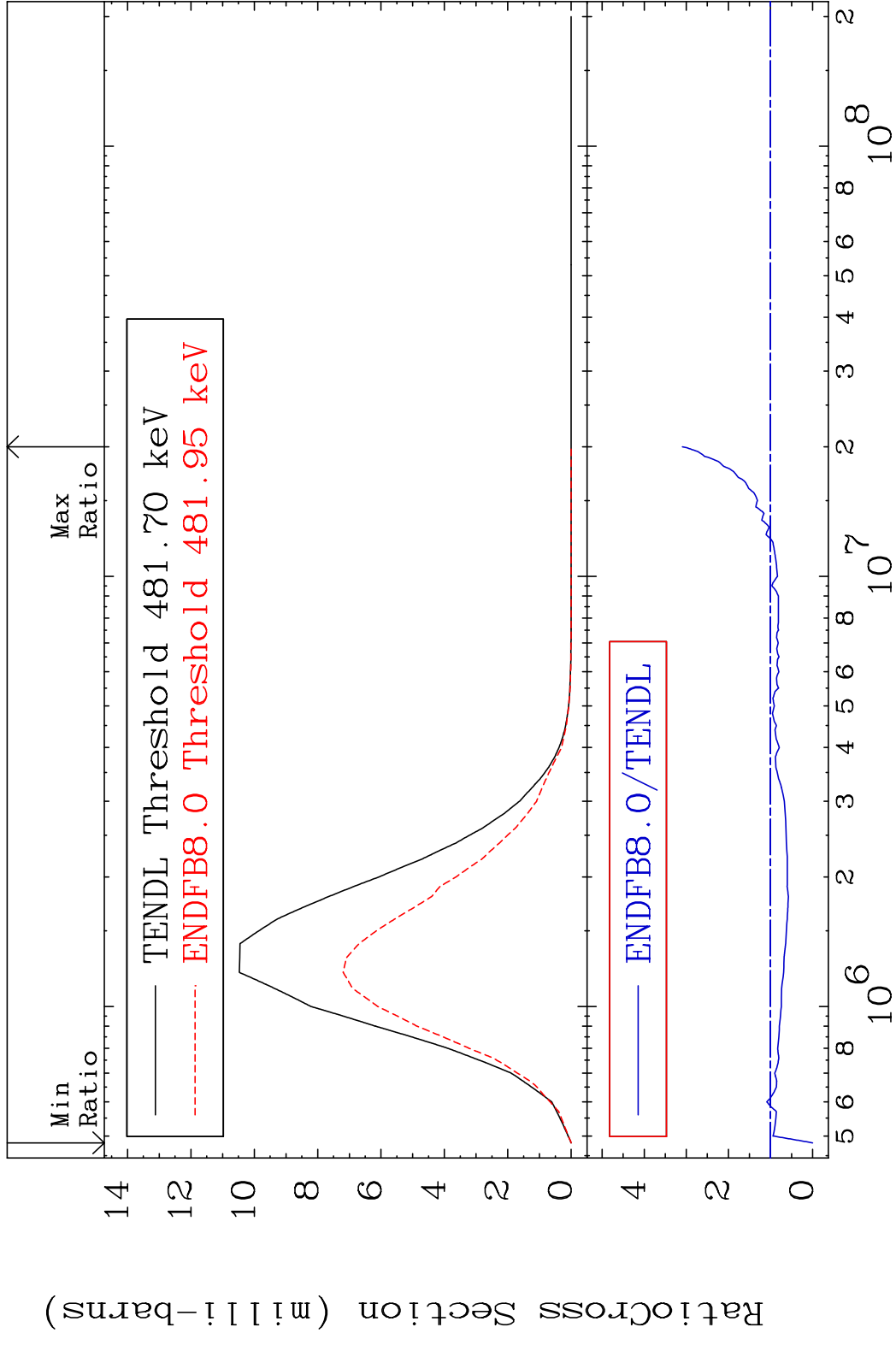
MAT 6440 MT= 63 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 218.1 %



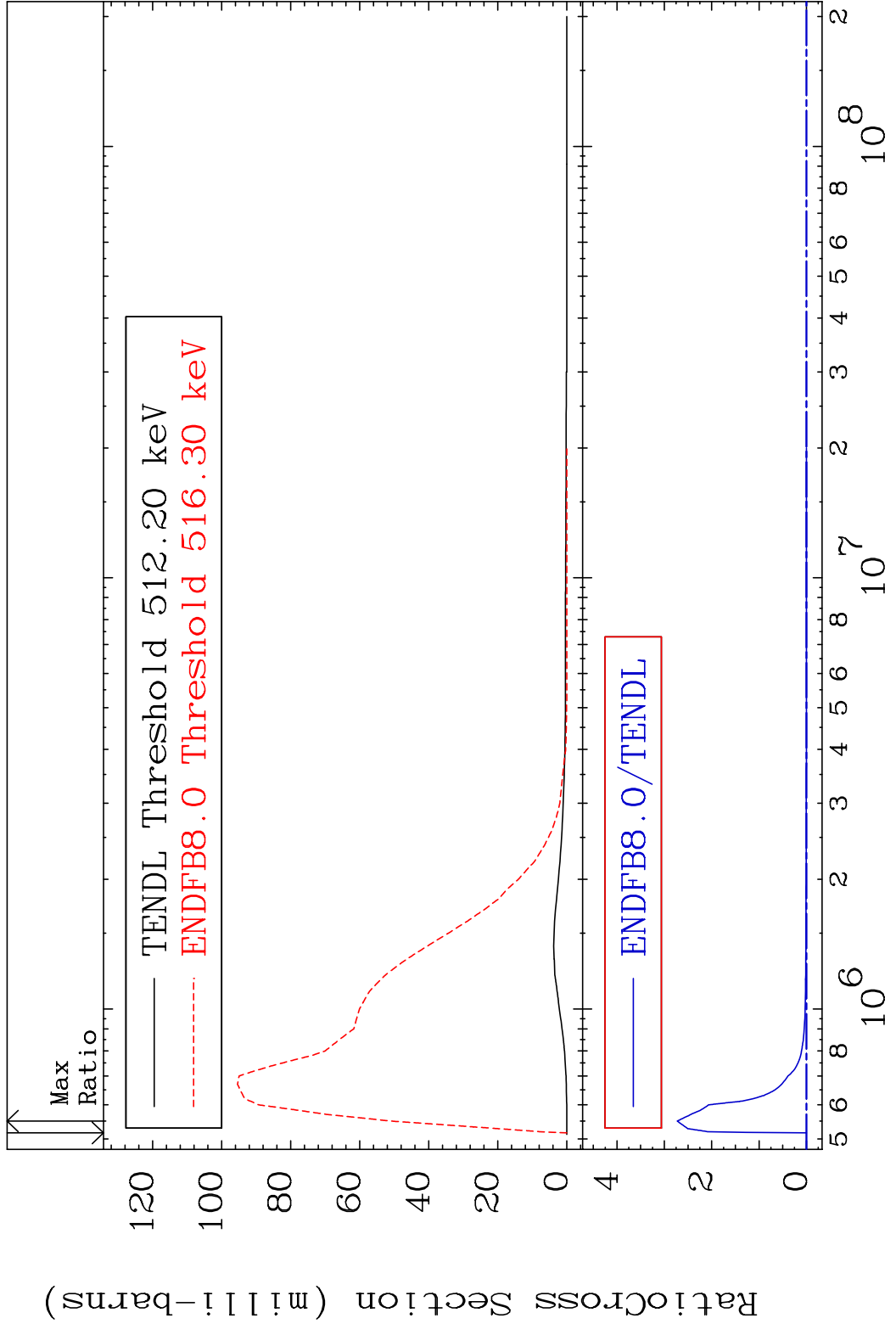
MAT 6440 MT= 64 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 220.1 %



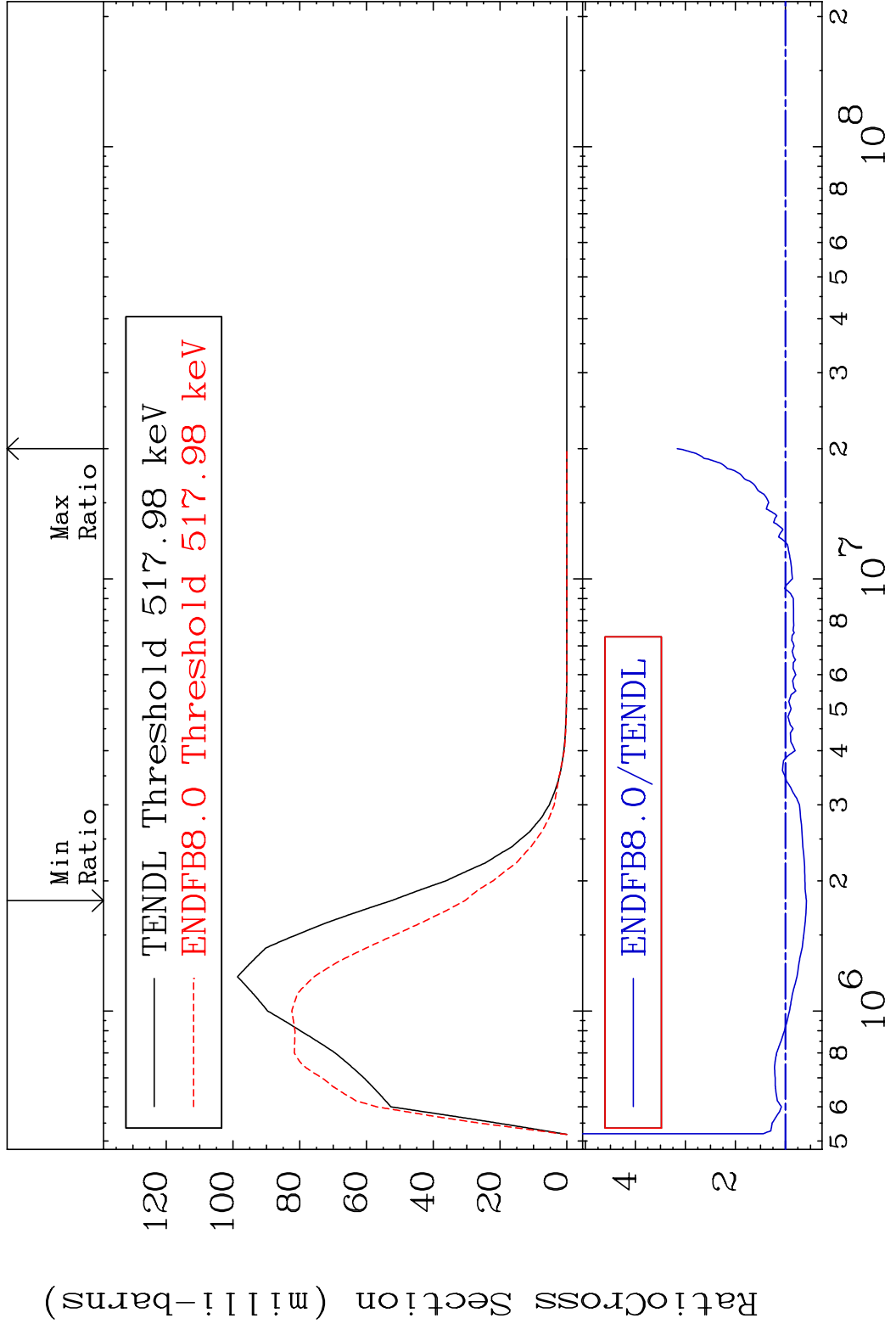
MAT 6440 MT= 65 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 209.4 %



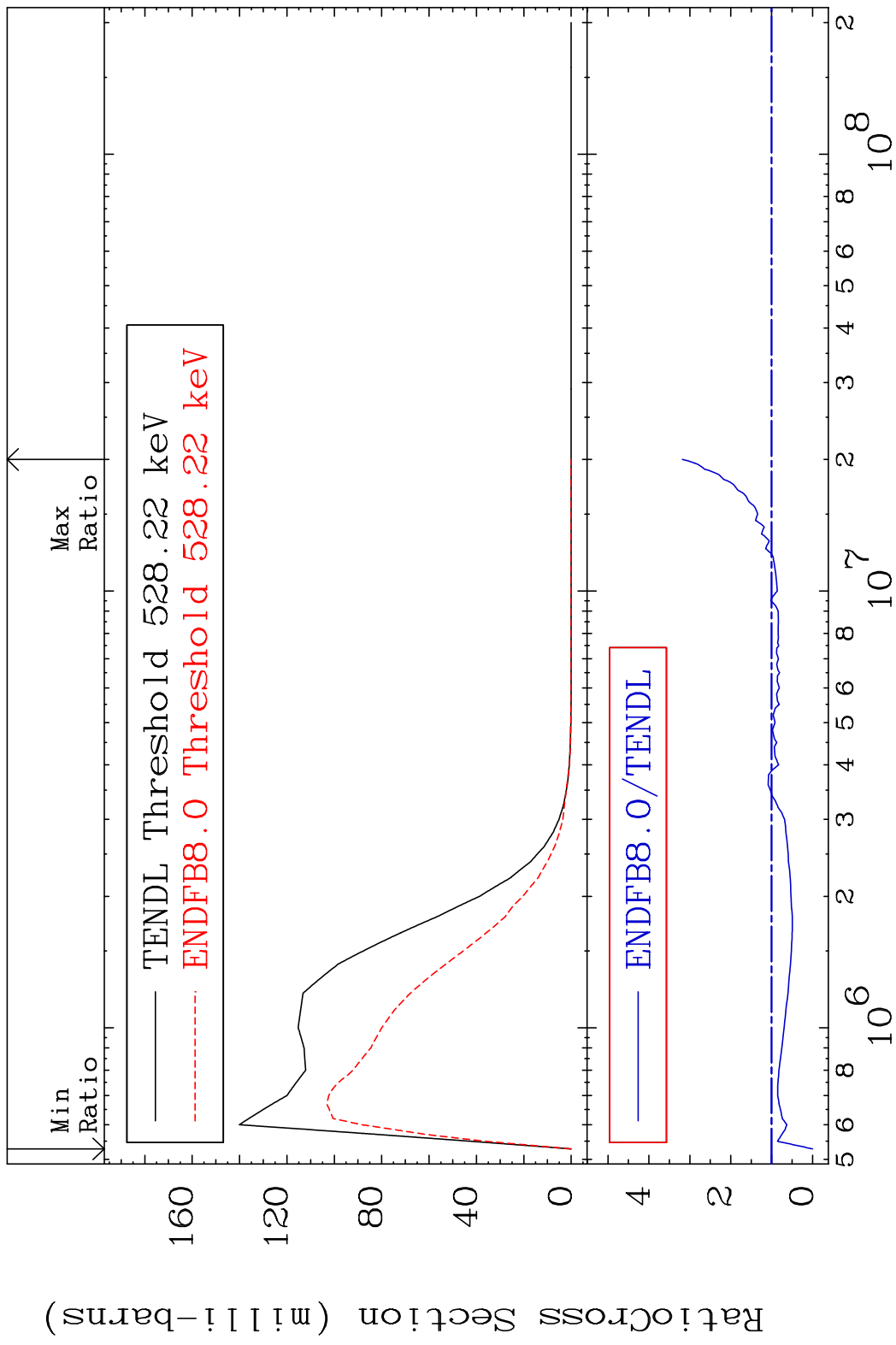
MAT 6440 MT= 66 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



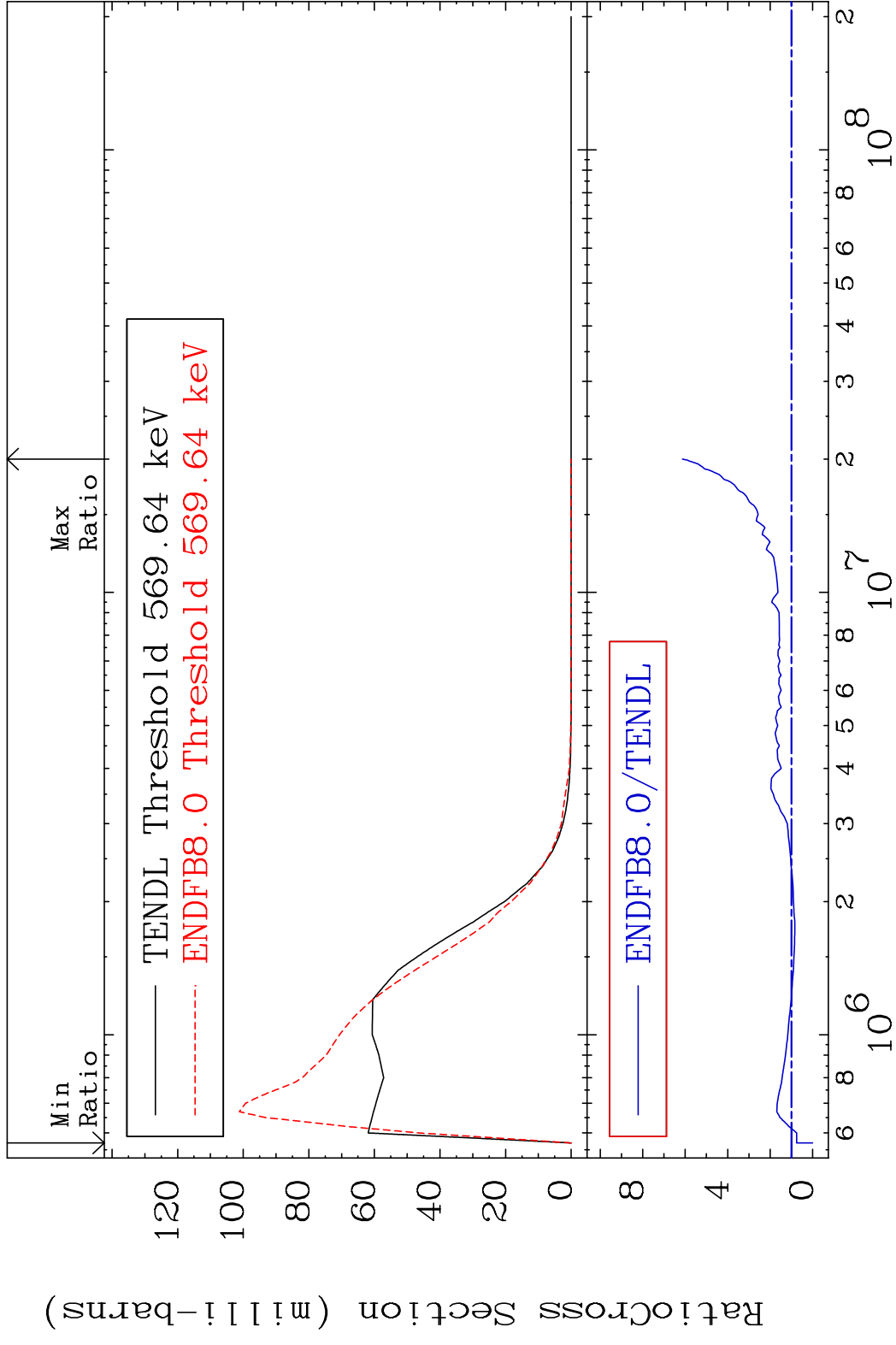
MAT 6440 MT= 67 (n, n') Level 64-Gd-157
 Cross Section -41.90 To 216.5 %



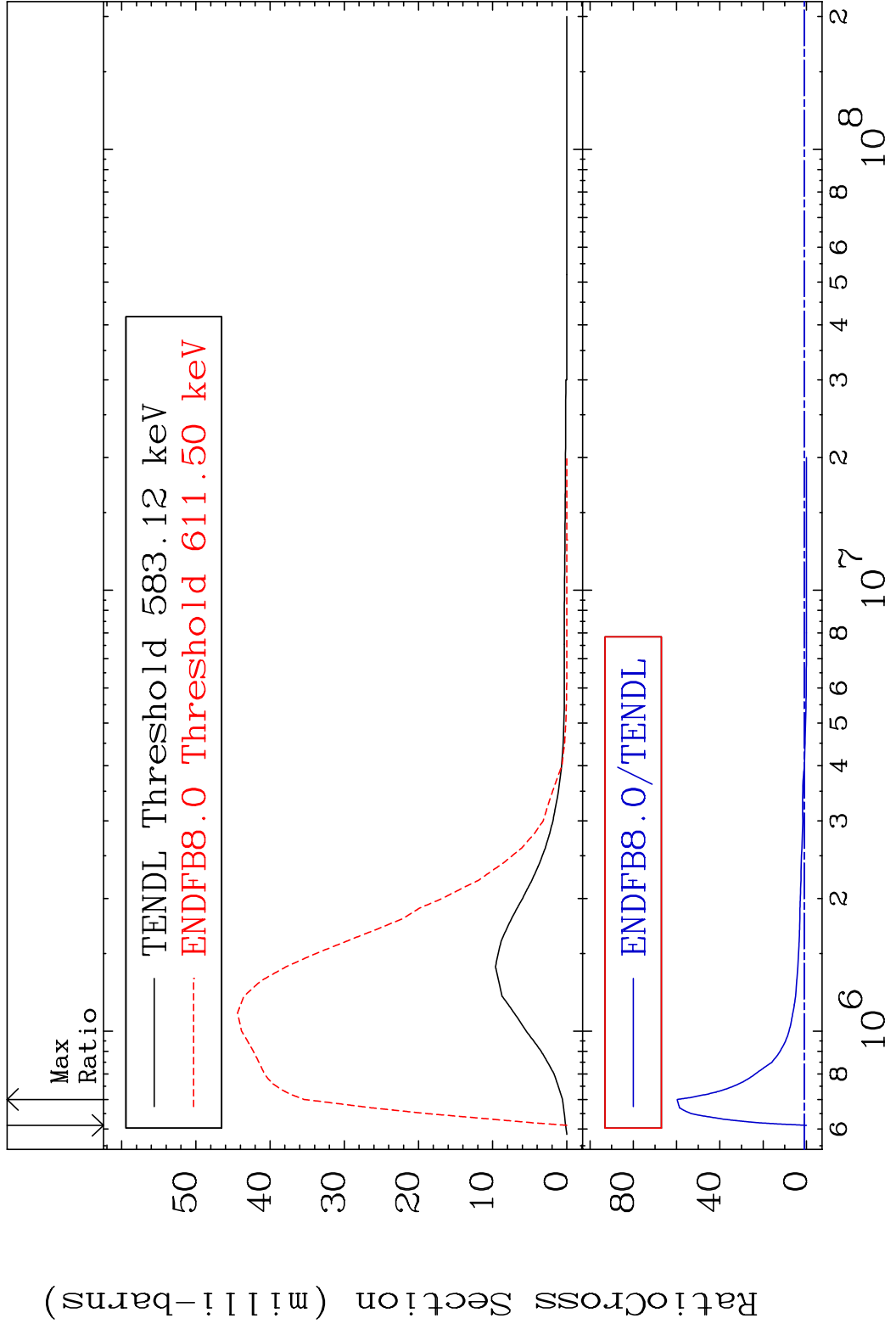
MAT 6440 MT= 68 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 218.3 %



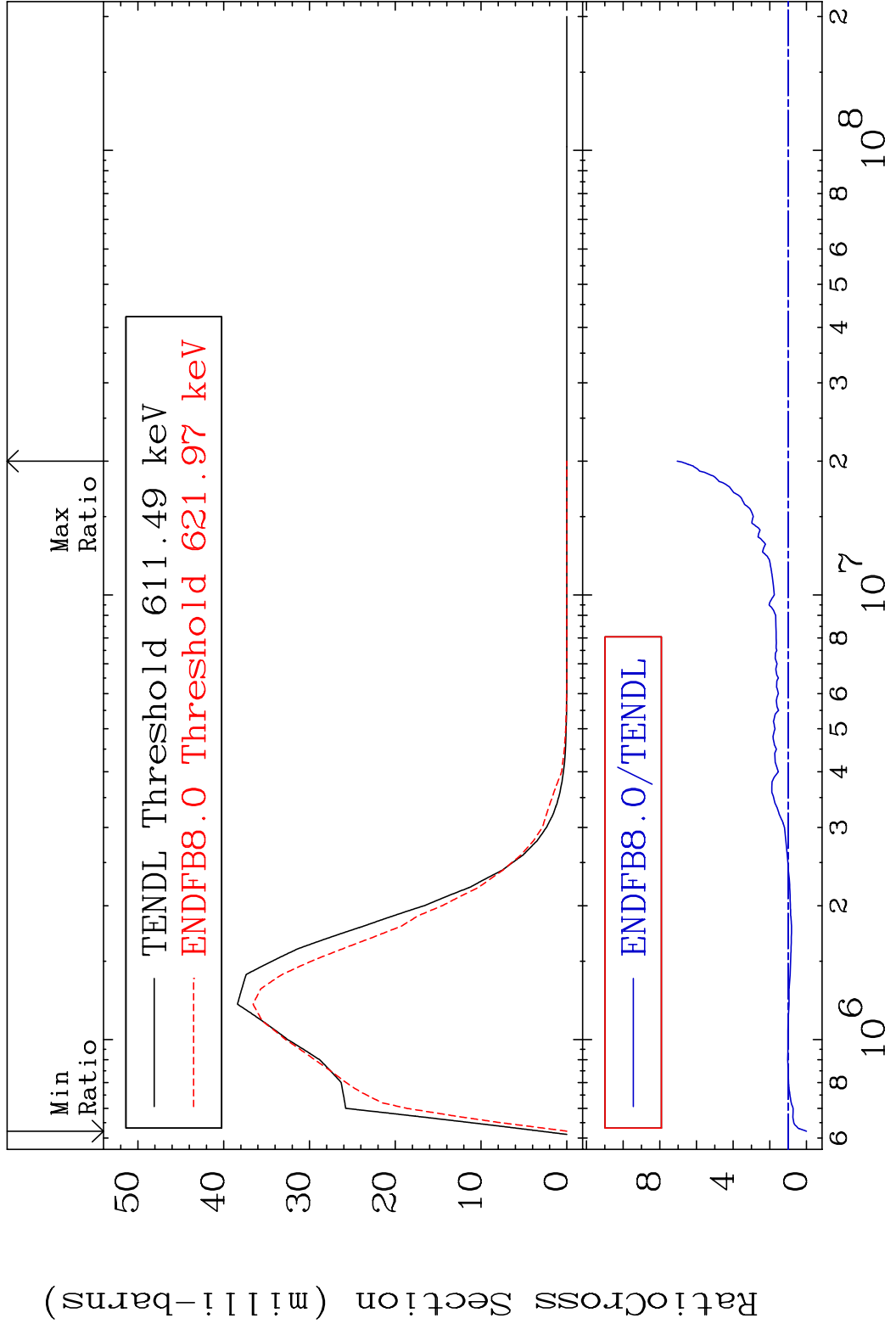
MAT 6440 MT= 69 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 513.5 %



MAT 6440 MT= 70 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 5872. %

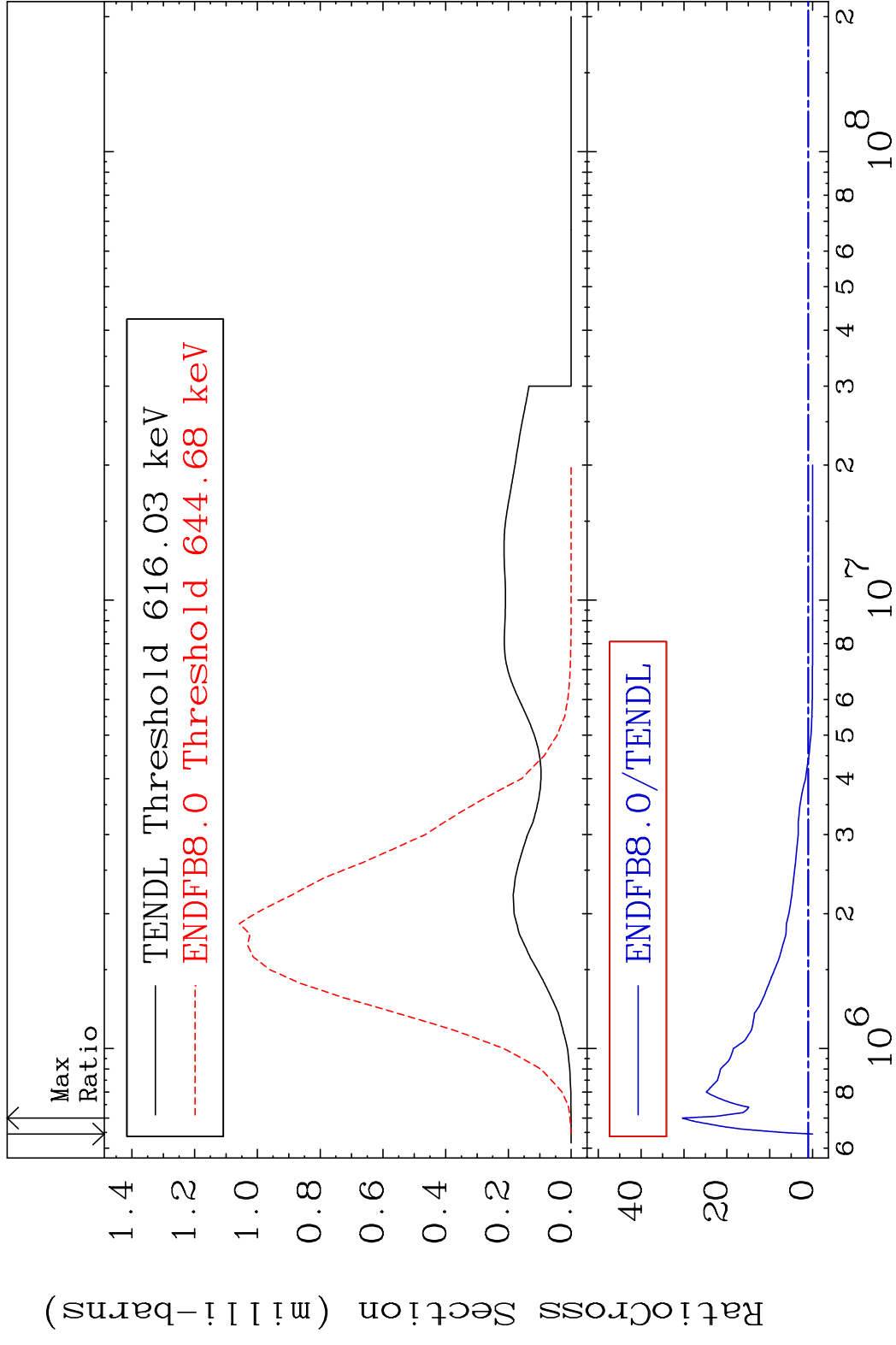


MAT 6440 MT= 71 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 604.7 %

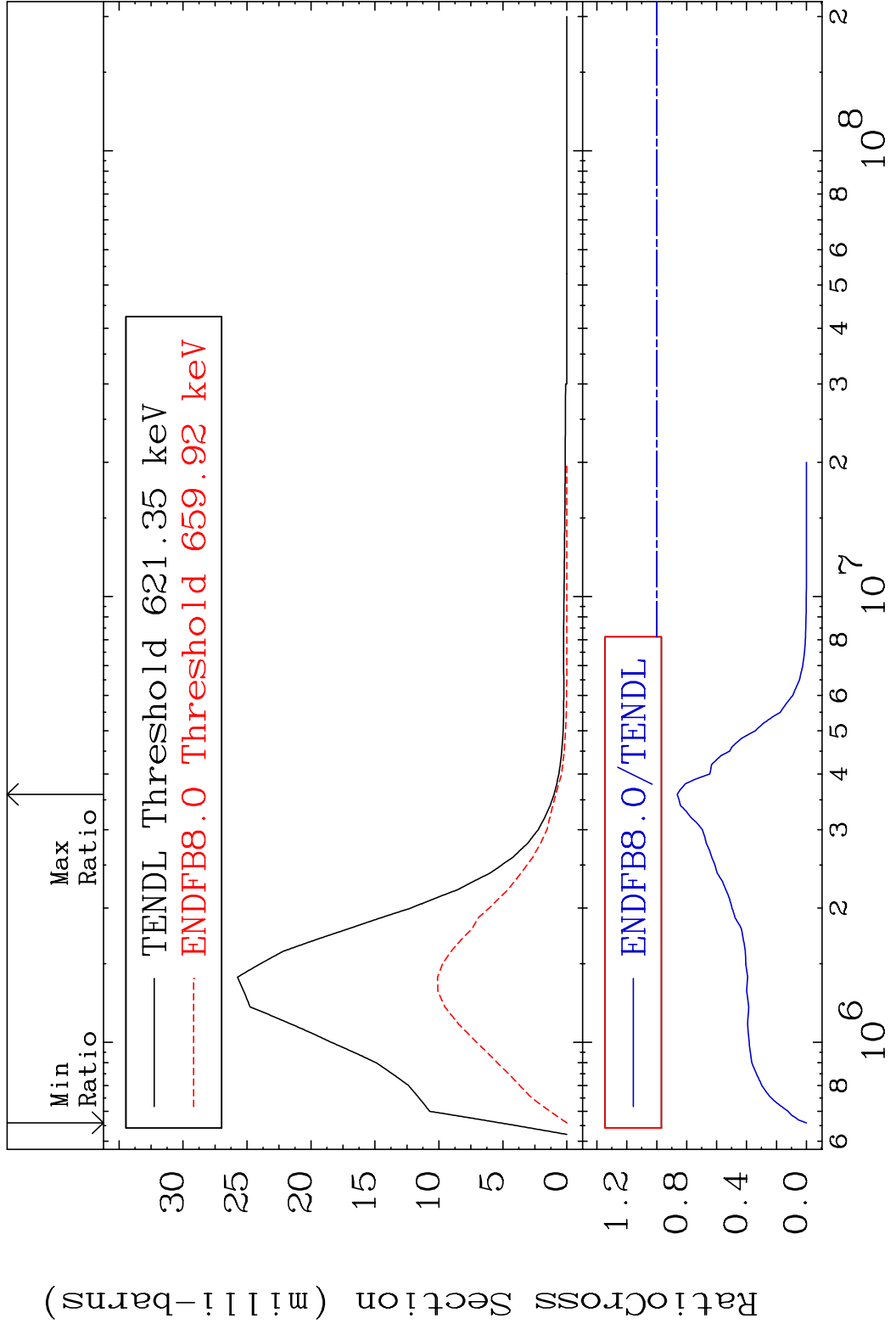


30 Incident Energy (eV) 64-Gd-157

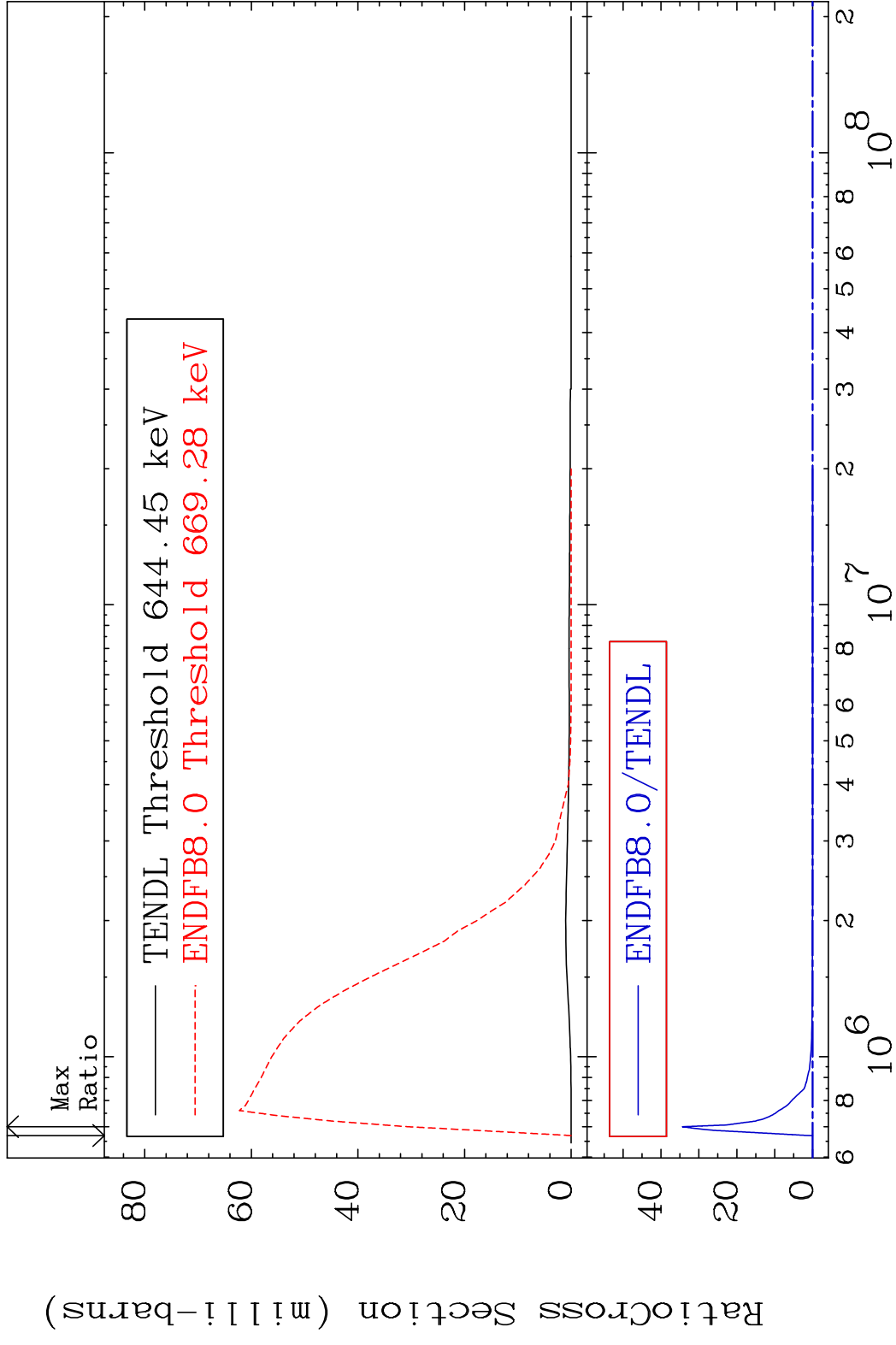
MAT 6440 MT= 72 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 2938. %



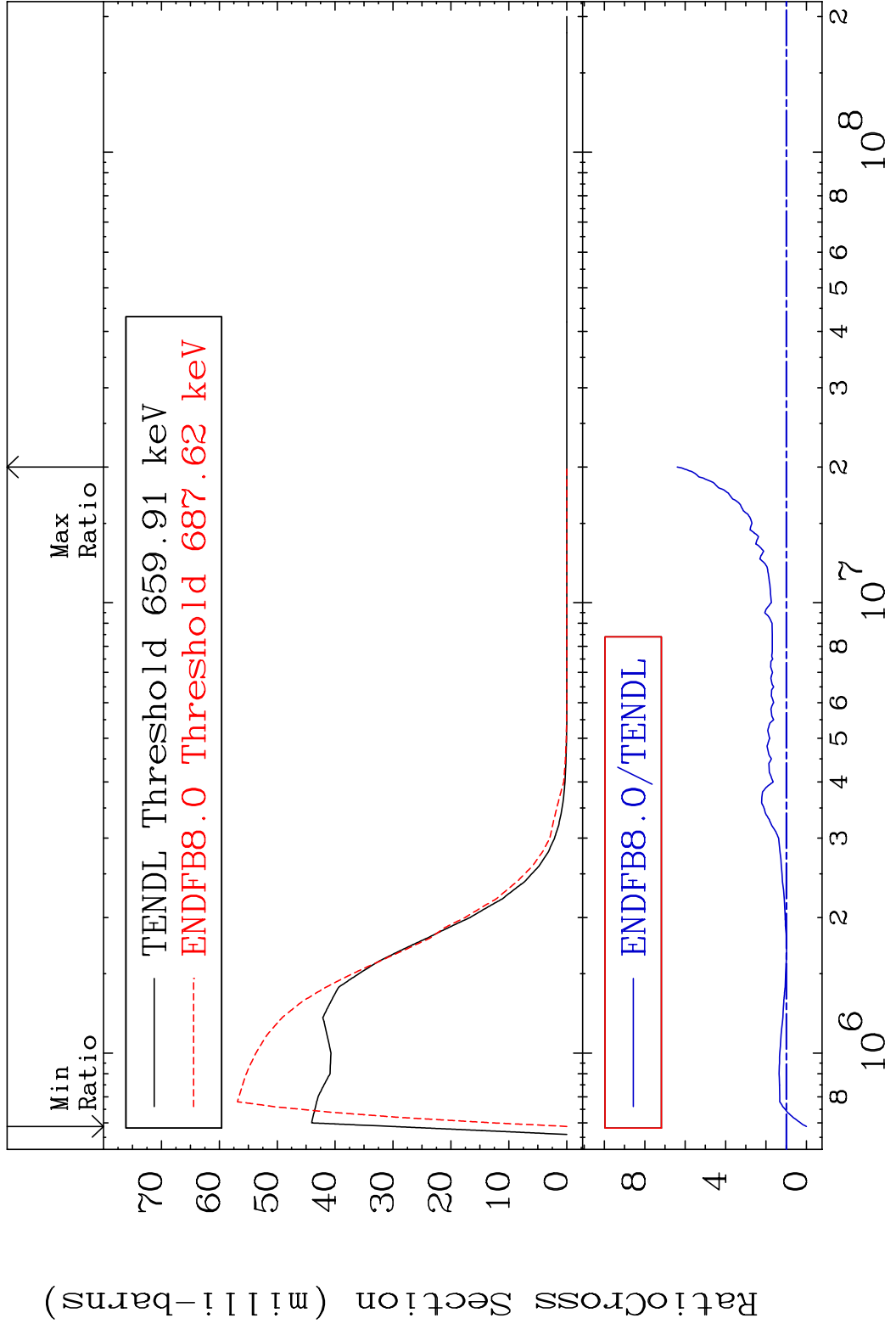
MAT 6440 MT= 73 (n, n') Level 64-Gd-157
 Cross Section -100.0 To -13.65%



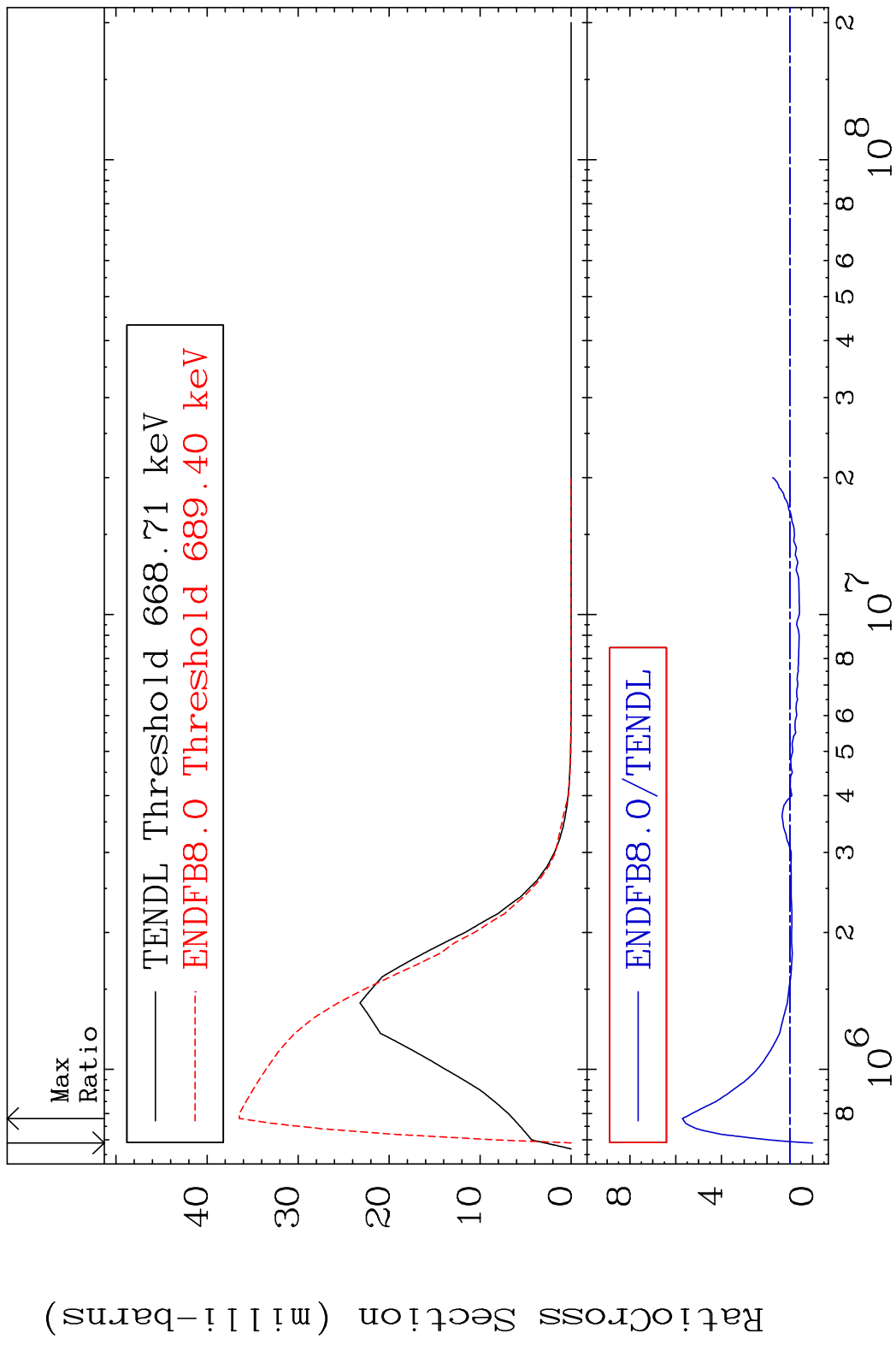
MAT 6440 MT= 74 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



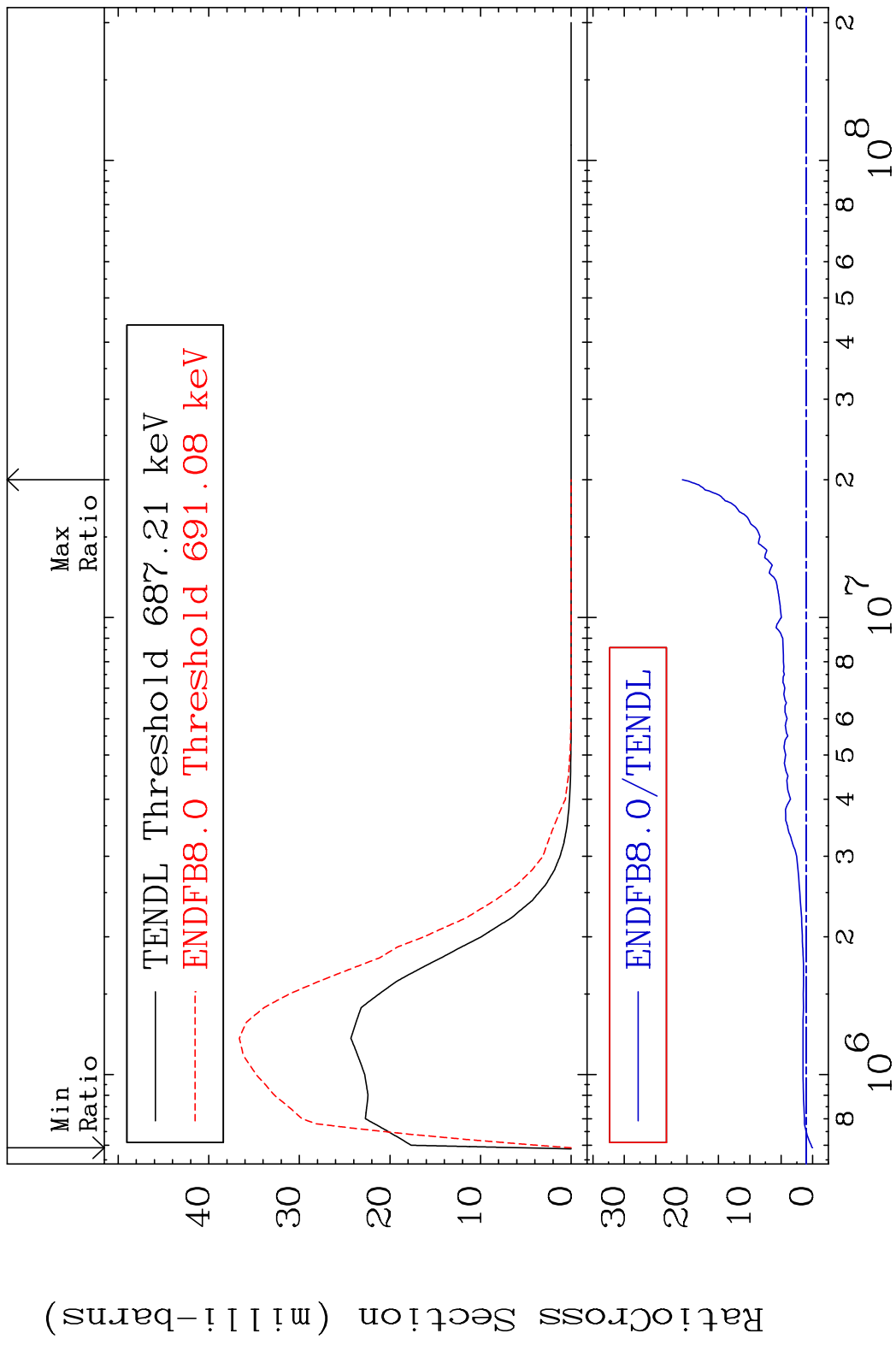
MAT 6440 MT= 75 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 539.6 %



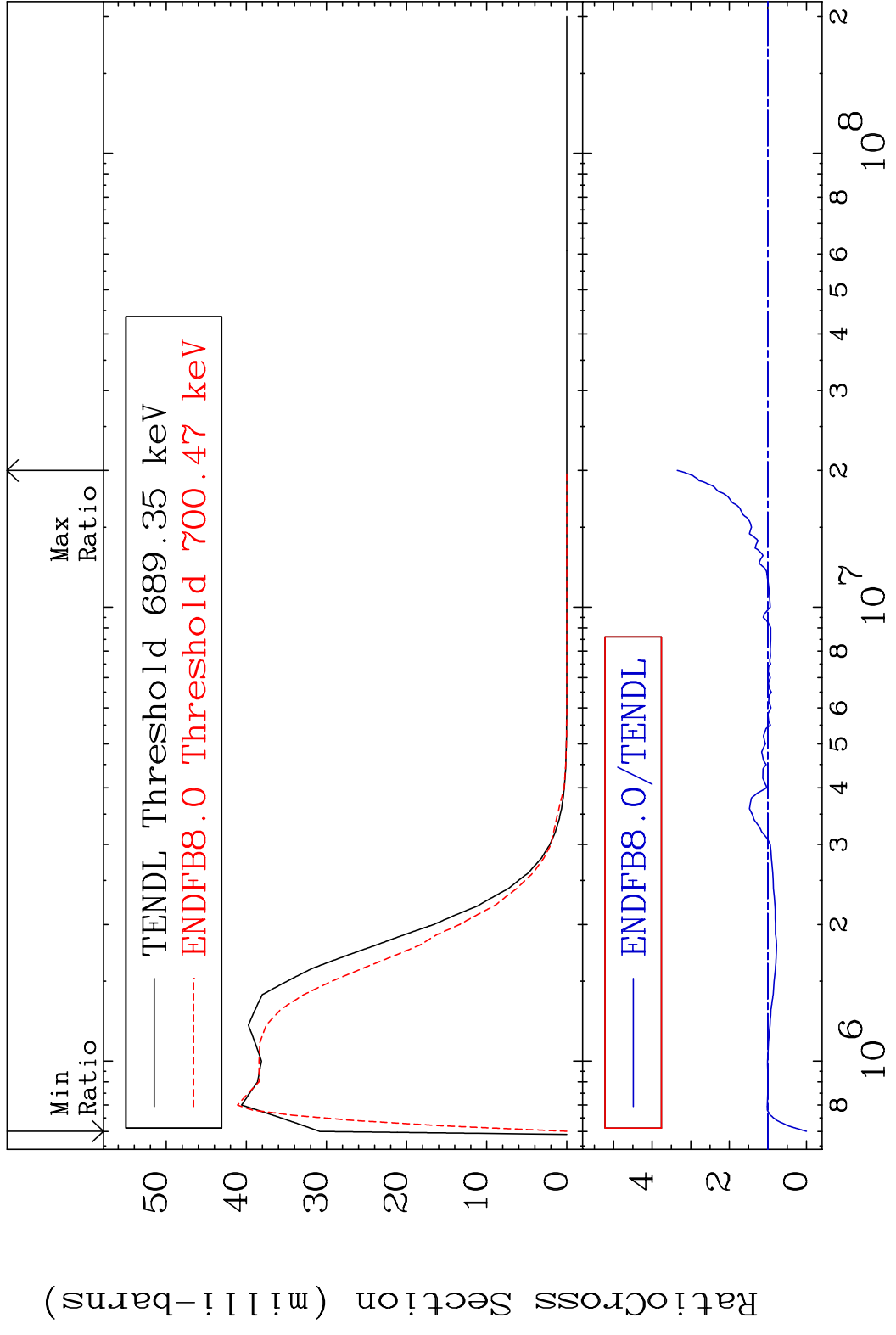
MAT 6440 MT= 76 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 470.7 %



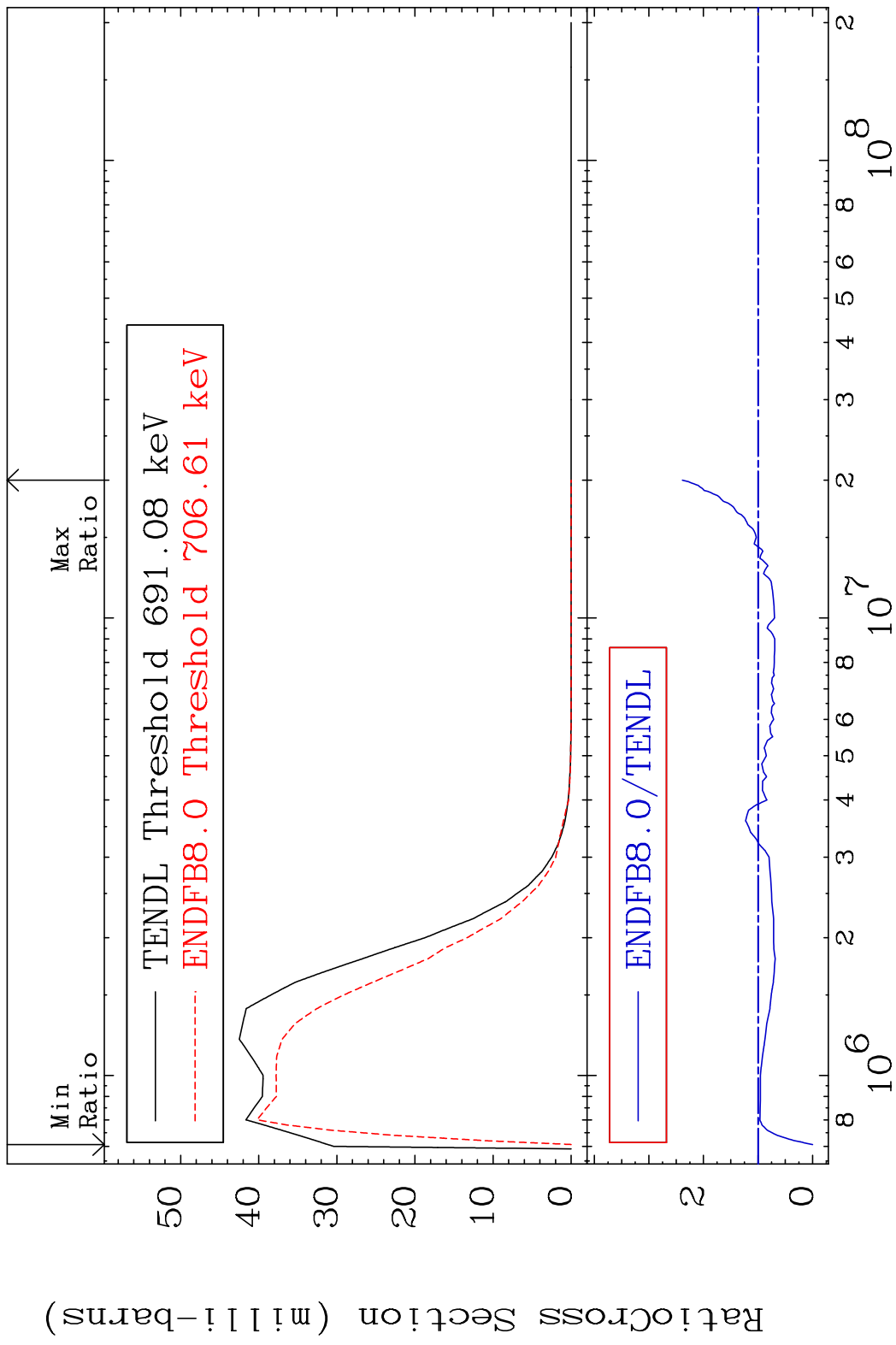
MAT 6440 MT= 77 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 1975. %



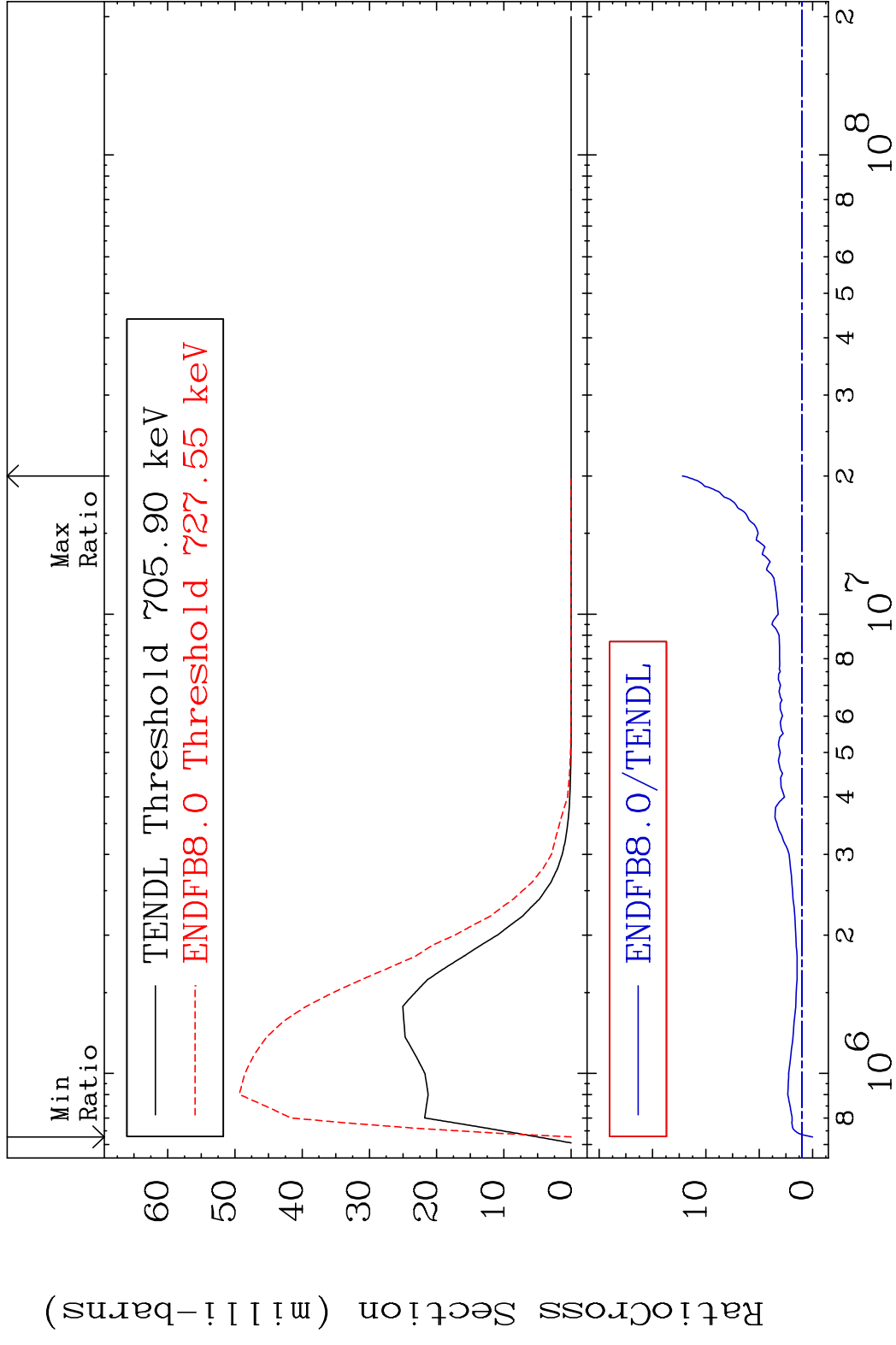
MAT 6440 MT= 78 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 235.1 %



MAT 6440 MT= 79 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 138.7 %



MAT 6440 MT= 80 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 1121. %

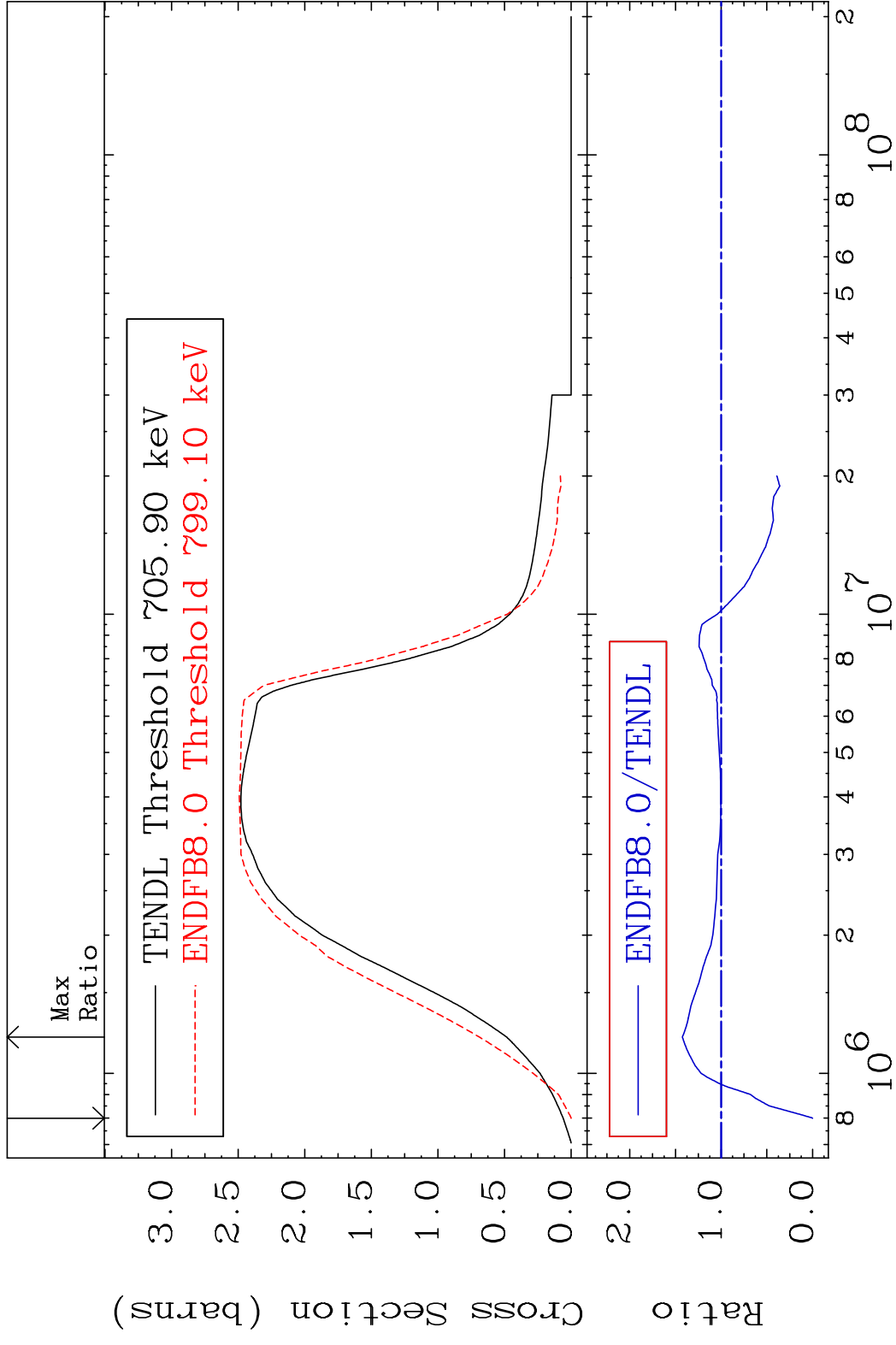


MAT 6440

(n,n') Continuum

64-Gd-157

Cross Section -100.0 To 42.47 %



40

Incident Energy (eV)

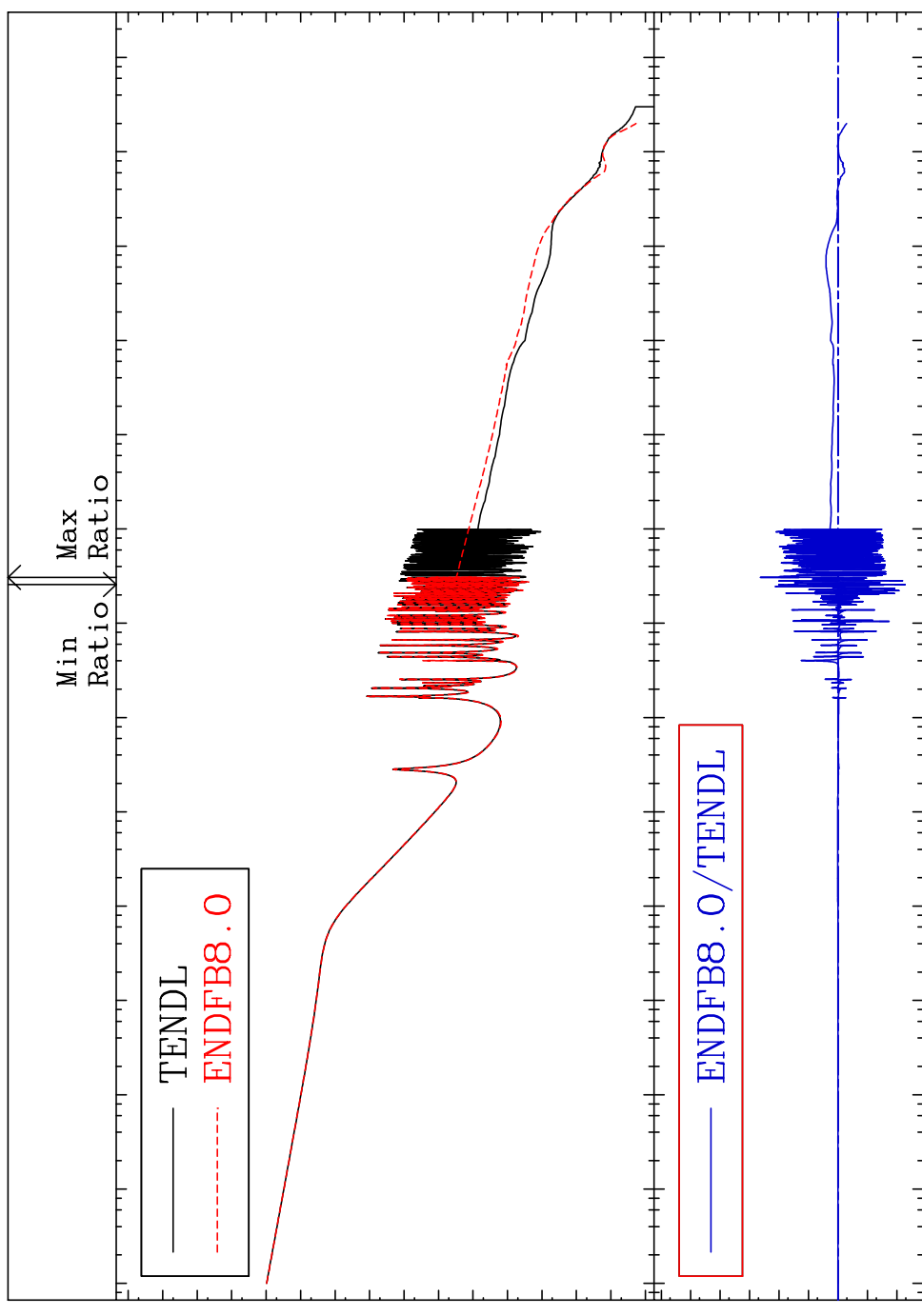
64-Gd-157

MAT 6440

(n, γ)

64-Gd-157

Cross Section -99.48 To 9999. %



Cross Section (barns)
 10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
Ratio
 10^3
 10^0

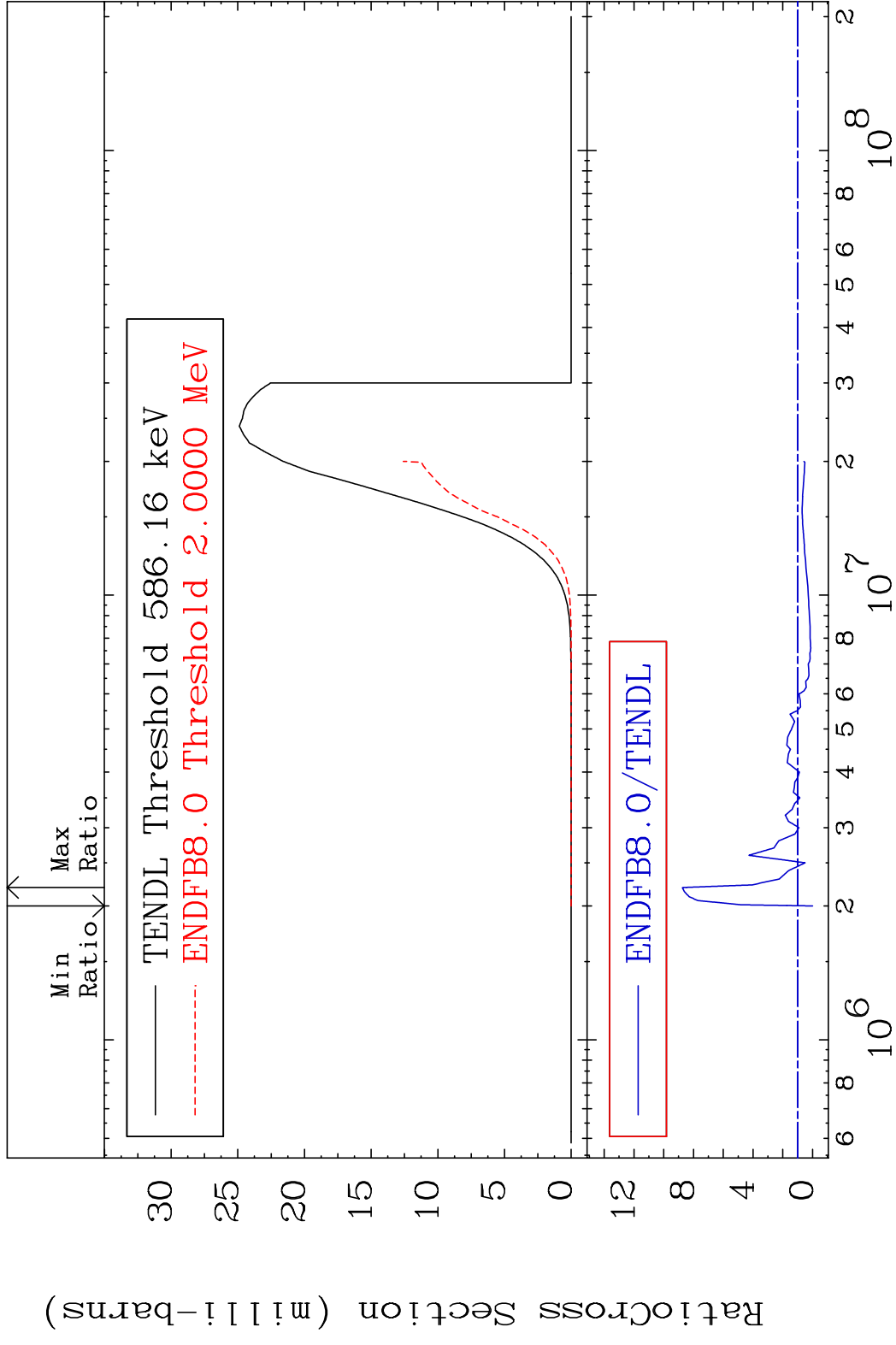
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

41

Incident Energy (eV)

64-Gd-157

MAT 6440 (n,p) 64-Gd-157
 Cross Section -100.0 To 774.9 %

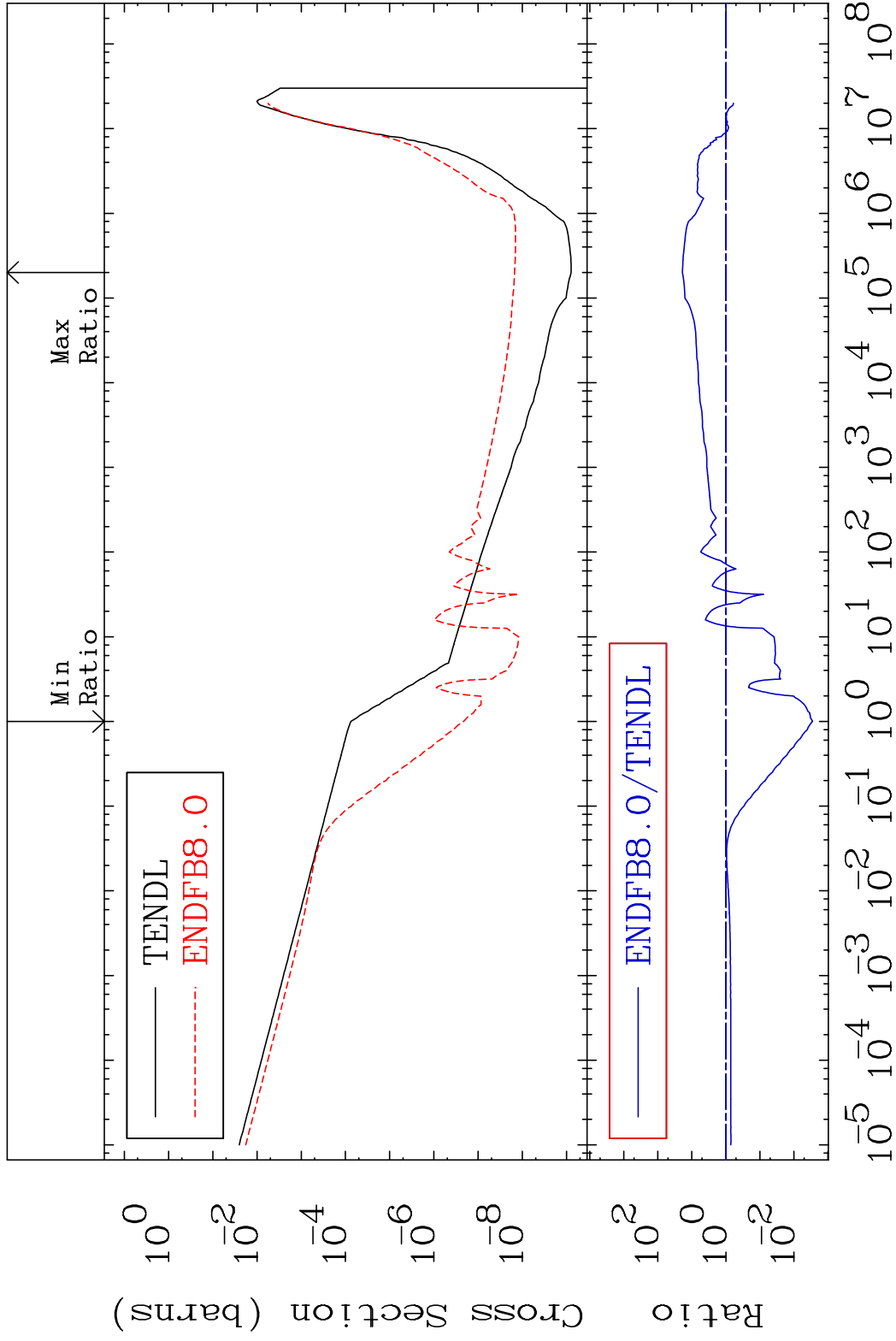


MAT 6440

(n, α)

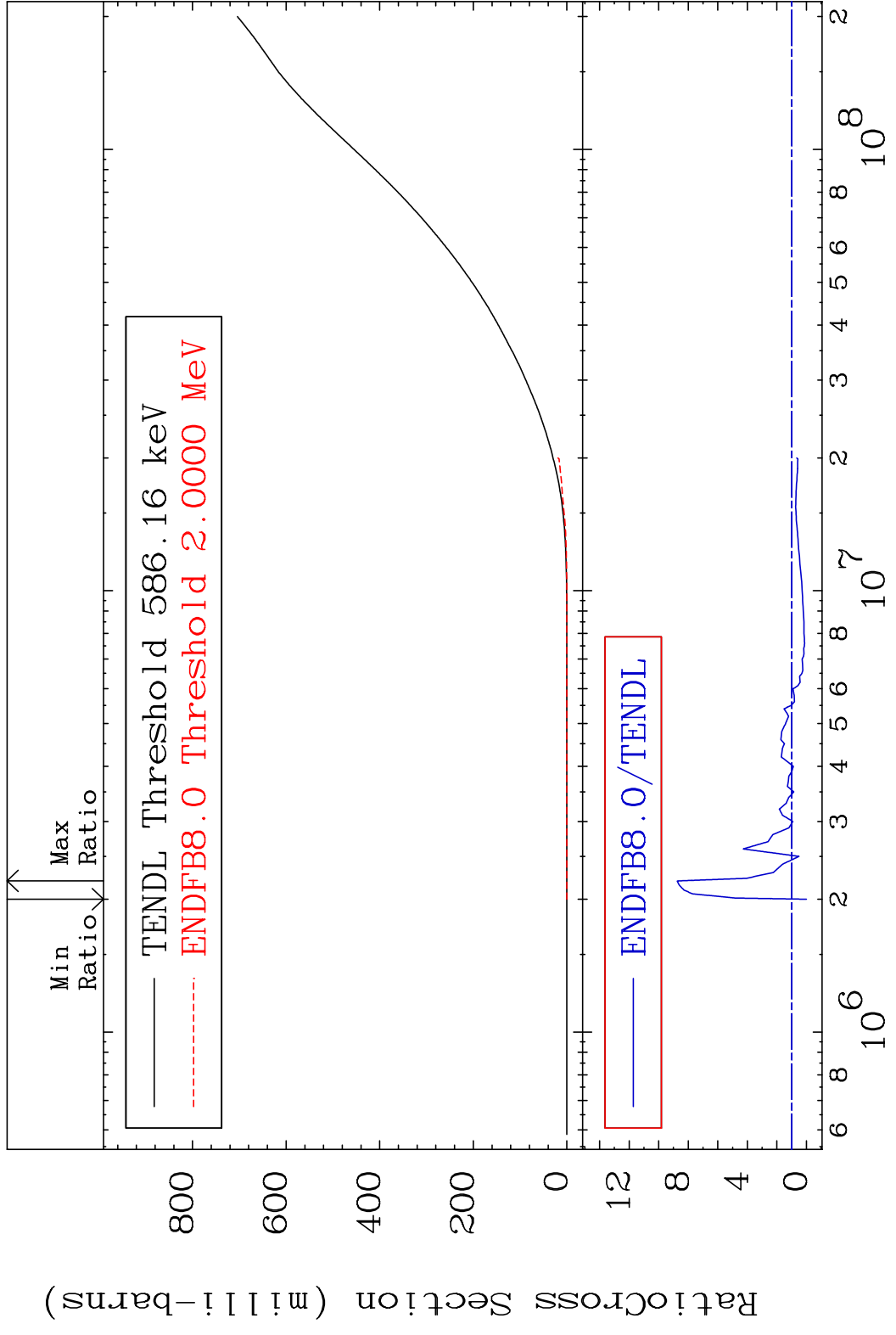
64-Gd-157

Cross Section -99.72 To 1800. %

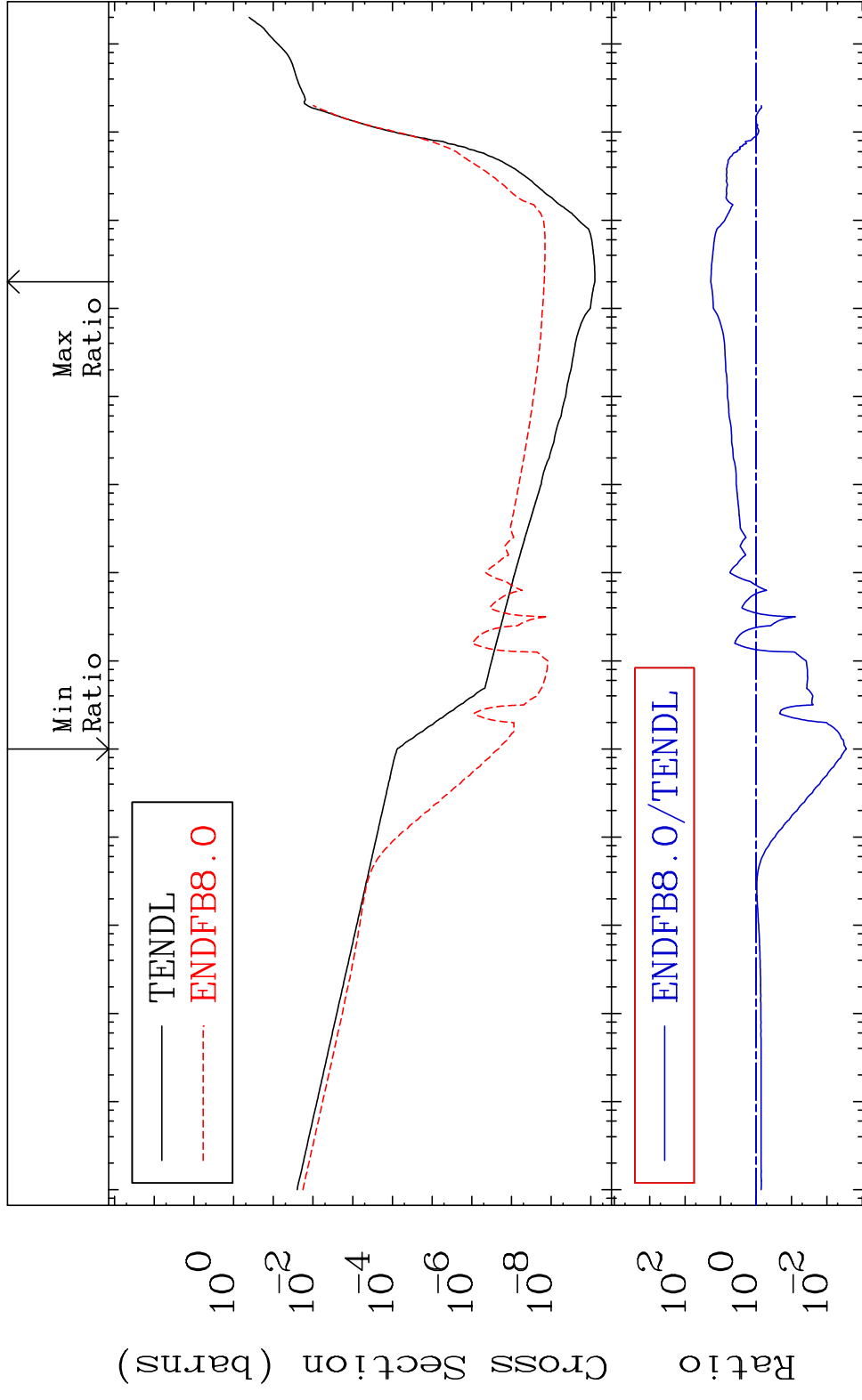


MAT 6440

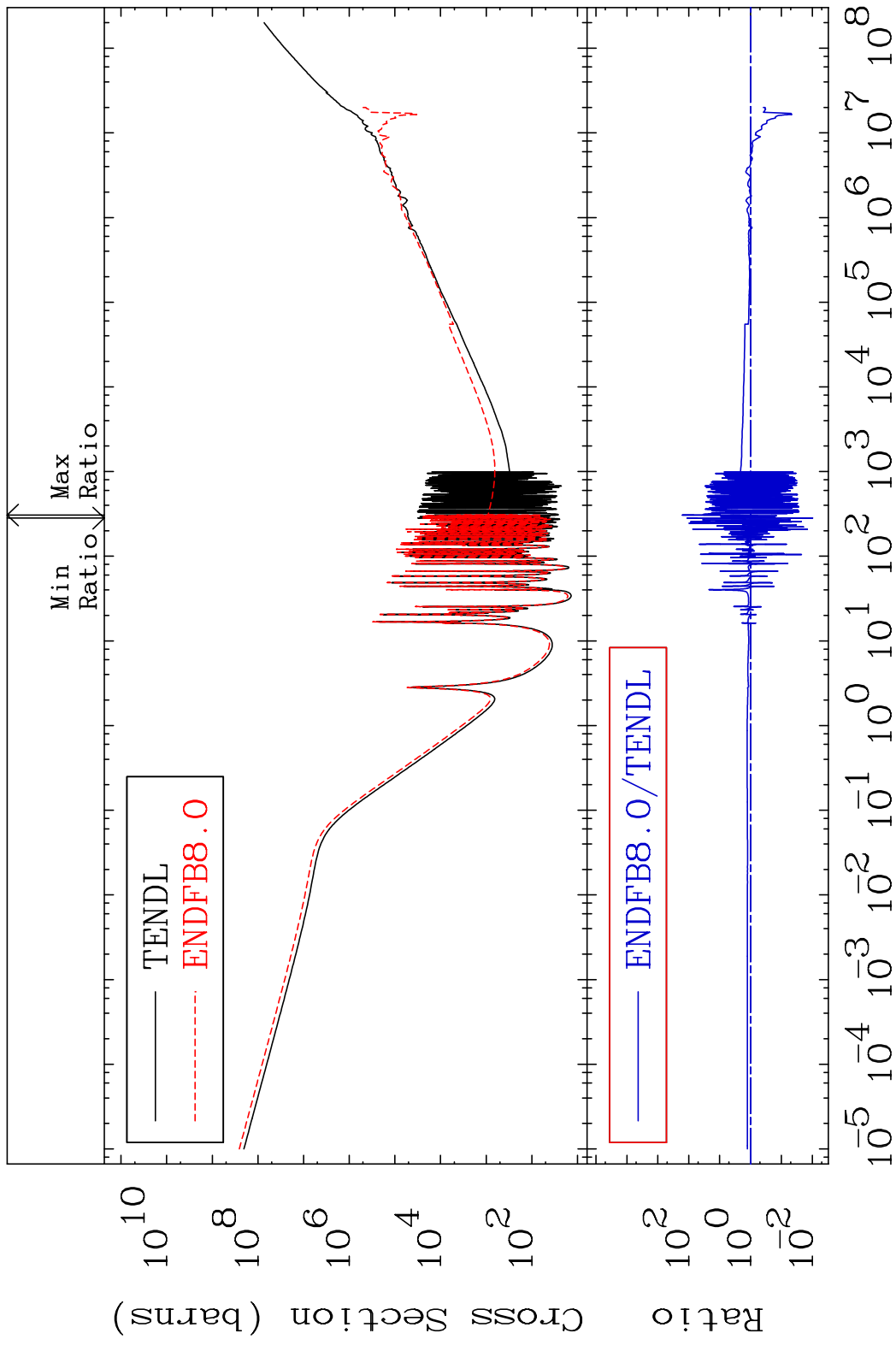
Hydrogen Production 64-Gd-157
Cross Section -100.0 To 774.9 %



MAT 6440 He-4 Production 64-Gd-157
 Cross Section -99.72 To 1800. %



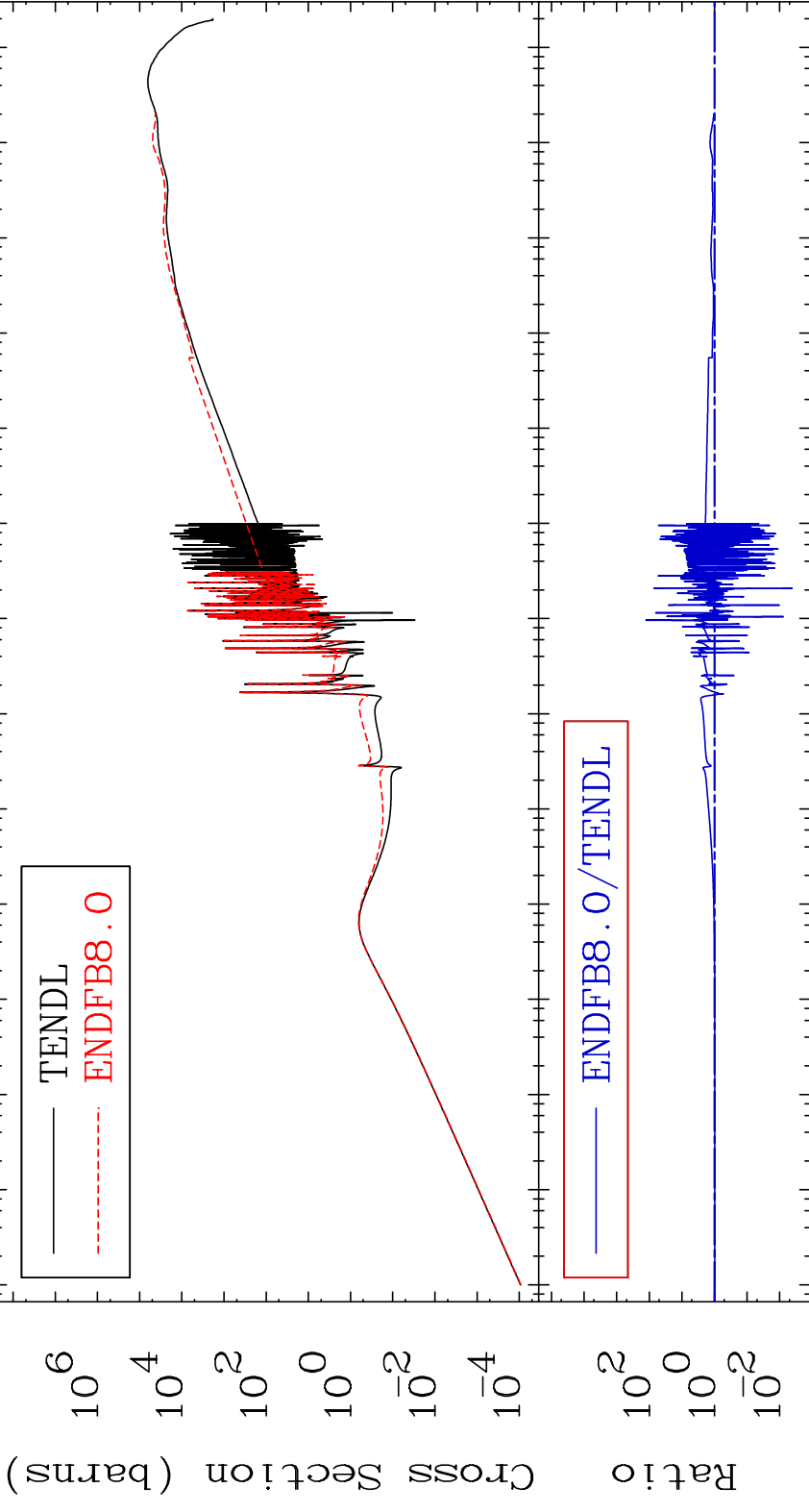
MAT 6440 Kerma total (eV-barns) 64-Gd-157
 Cross Section -99.01 To 9999. %



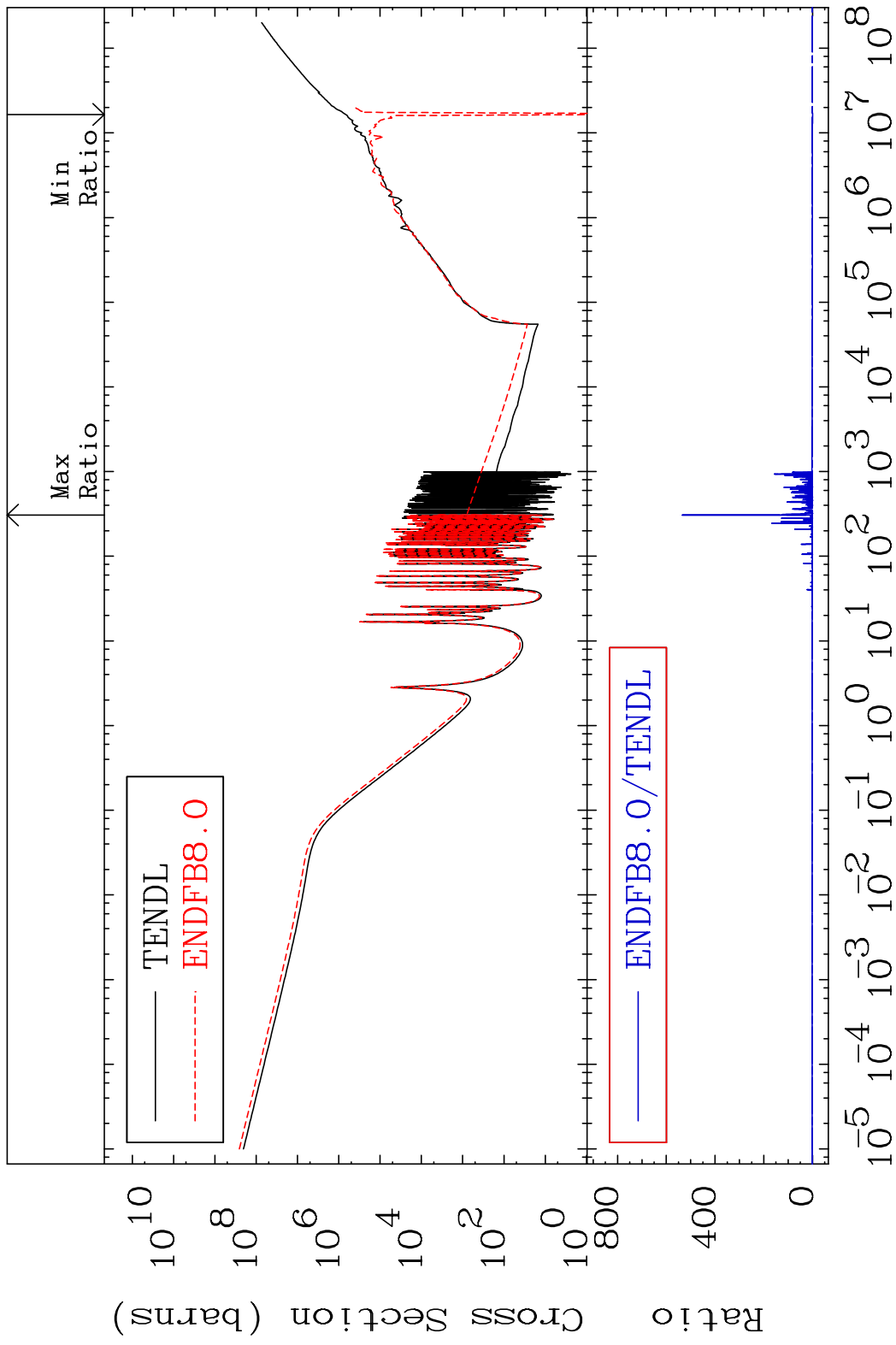
MAT 6440

Kerma elastic Cross Section -99.58 To 9999. %

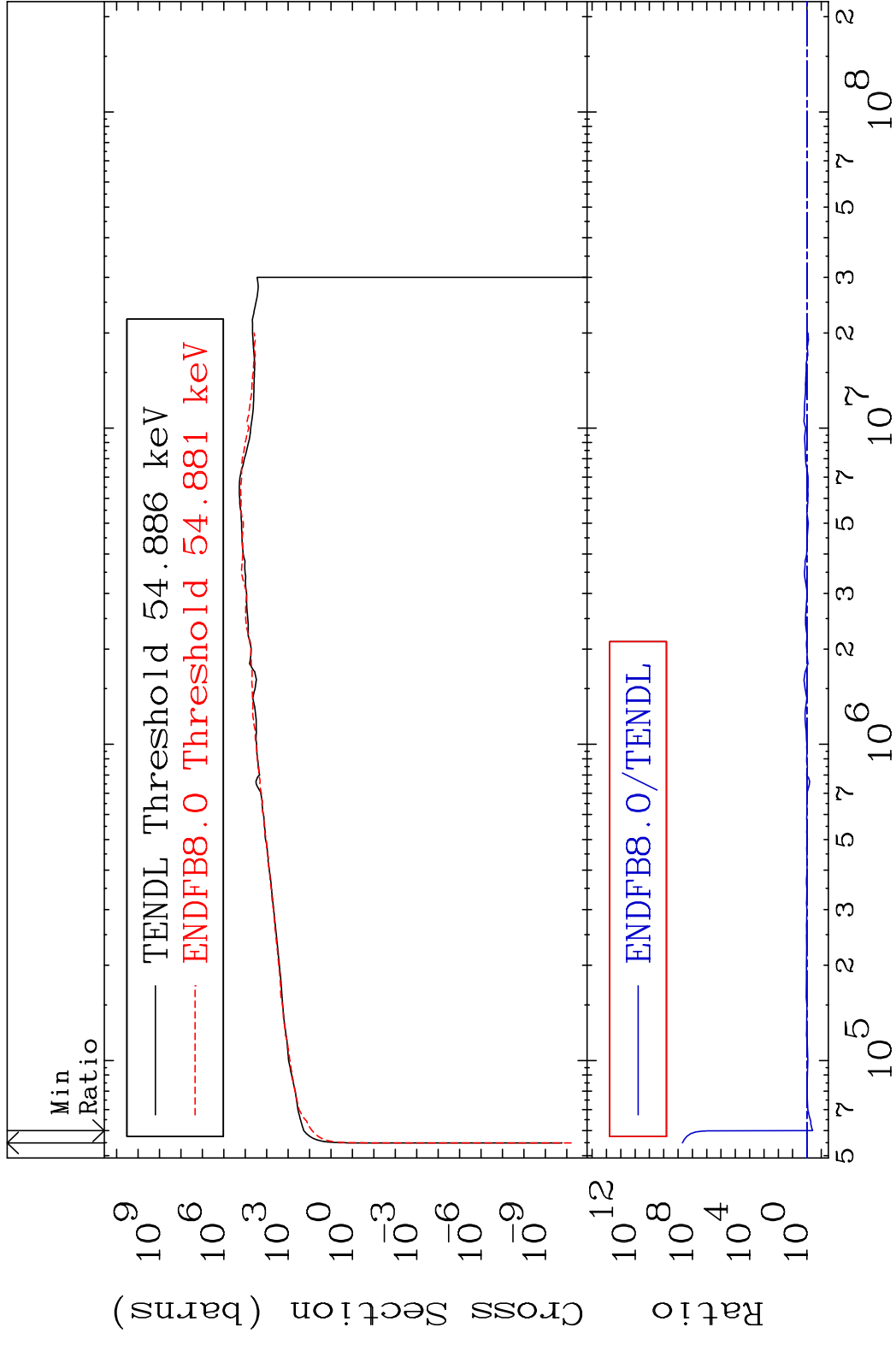
64-Gd-157



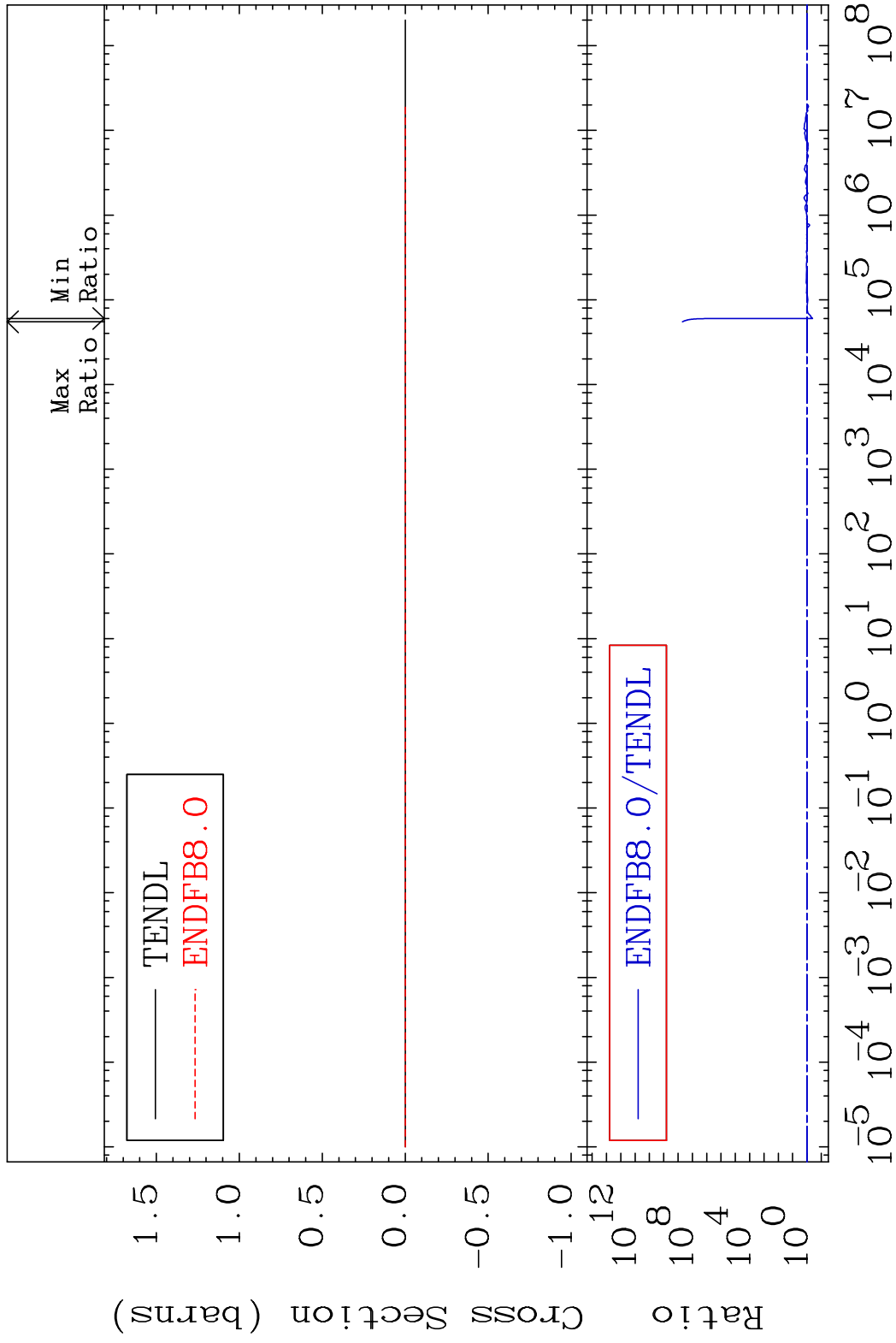
MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157
 Cross Section -101.3 To 9999. %



MAT 6440 Kerma inelastic (mt51-91) 64-Gd-157
 Cross Section -59.41 To 9999. %

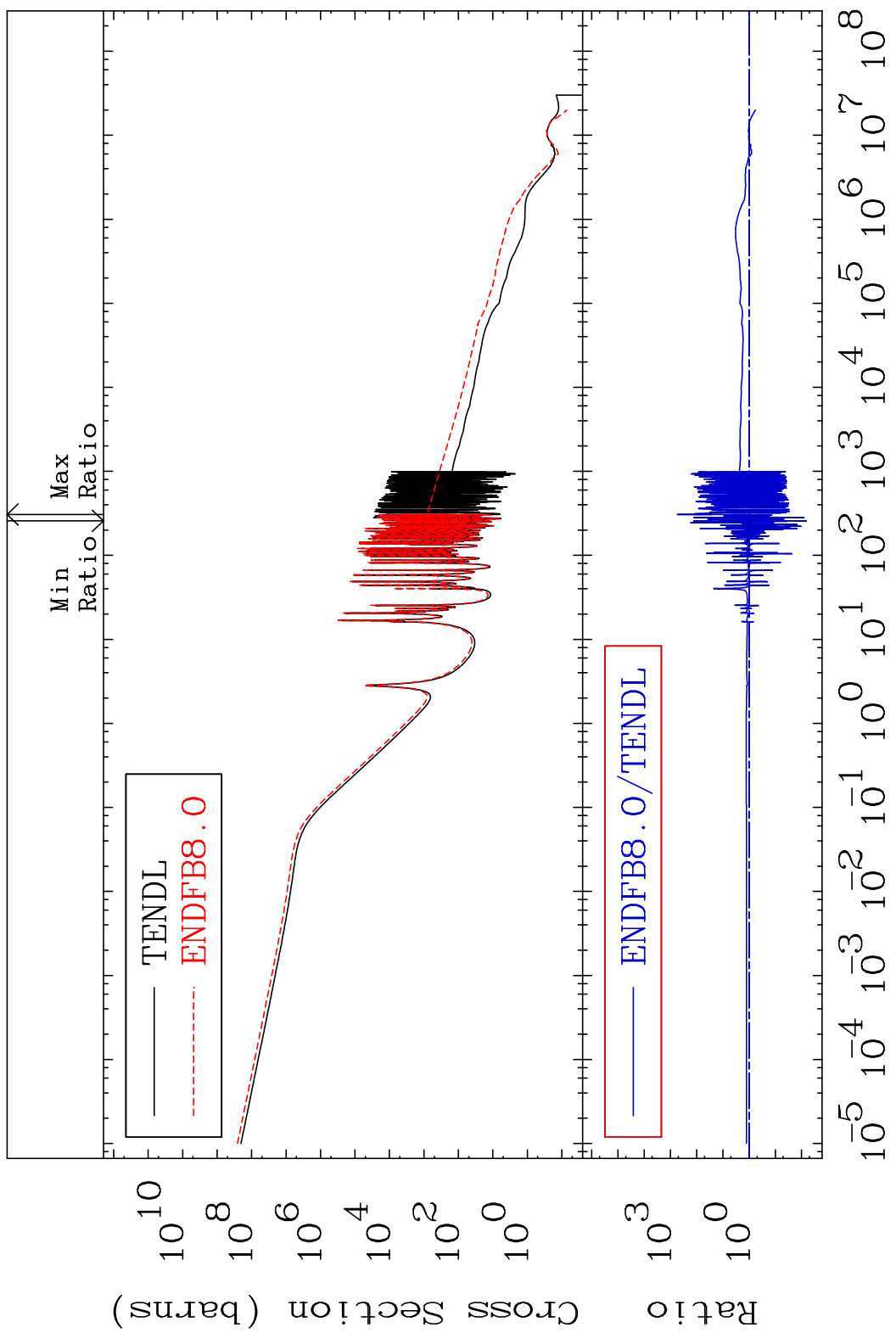


MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157
 Cross Section -59.41 To 9999. %

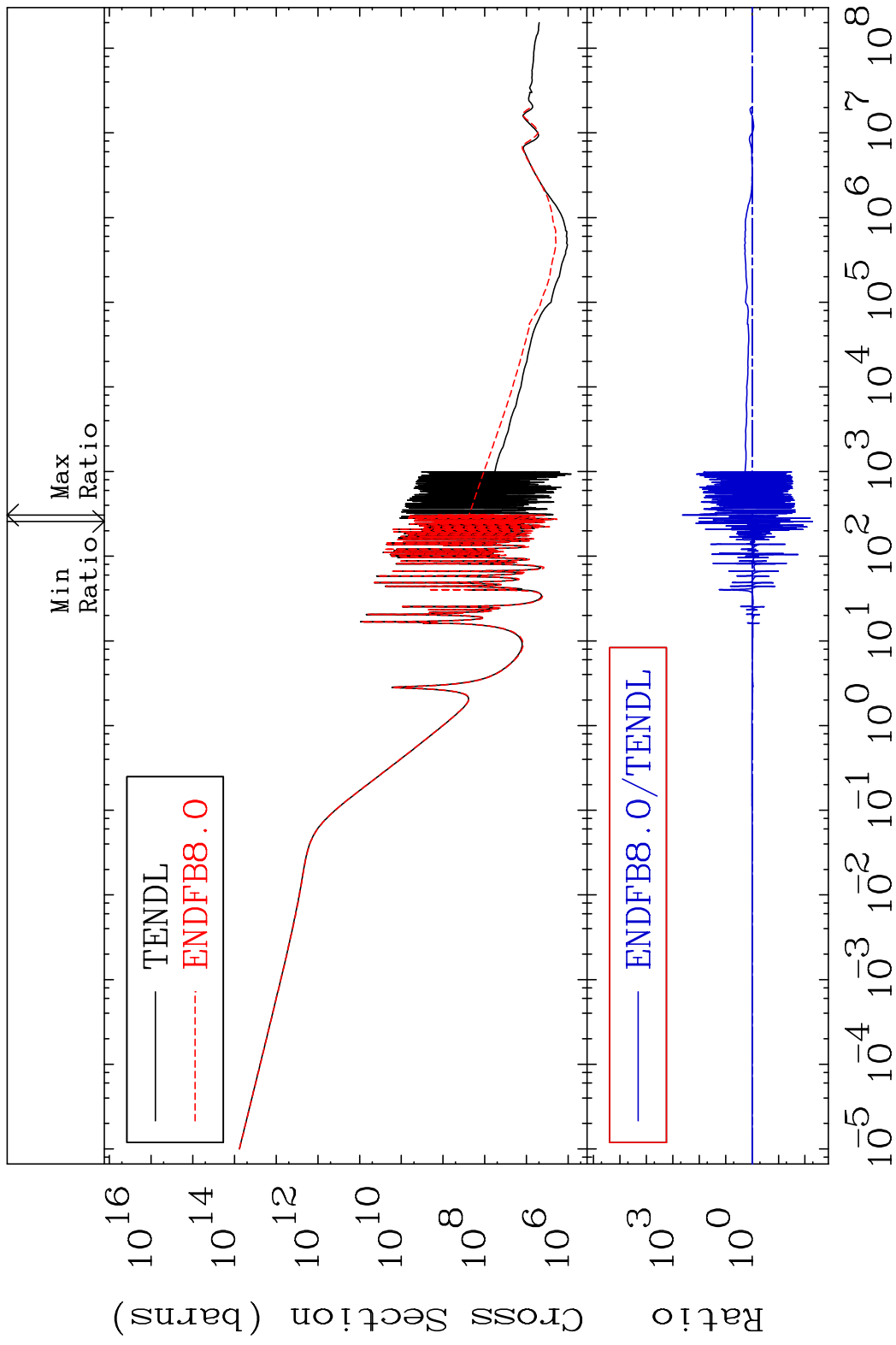


MAT 6440

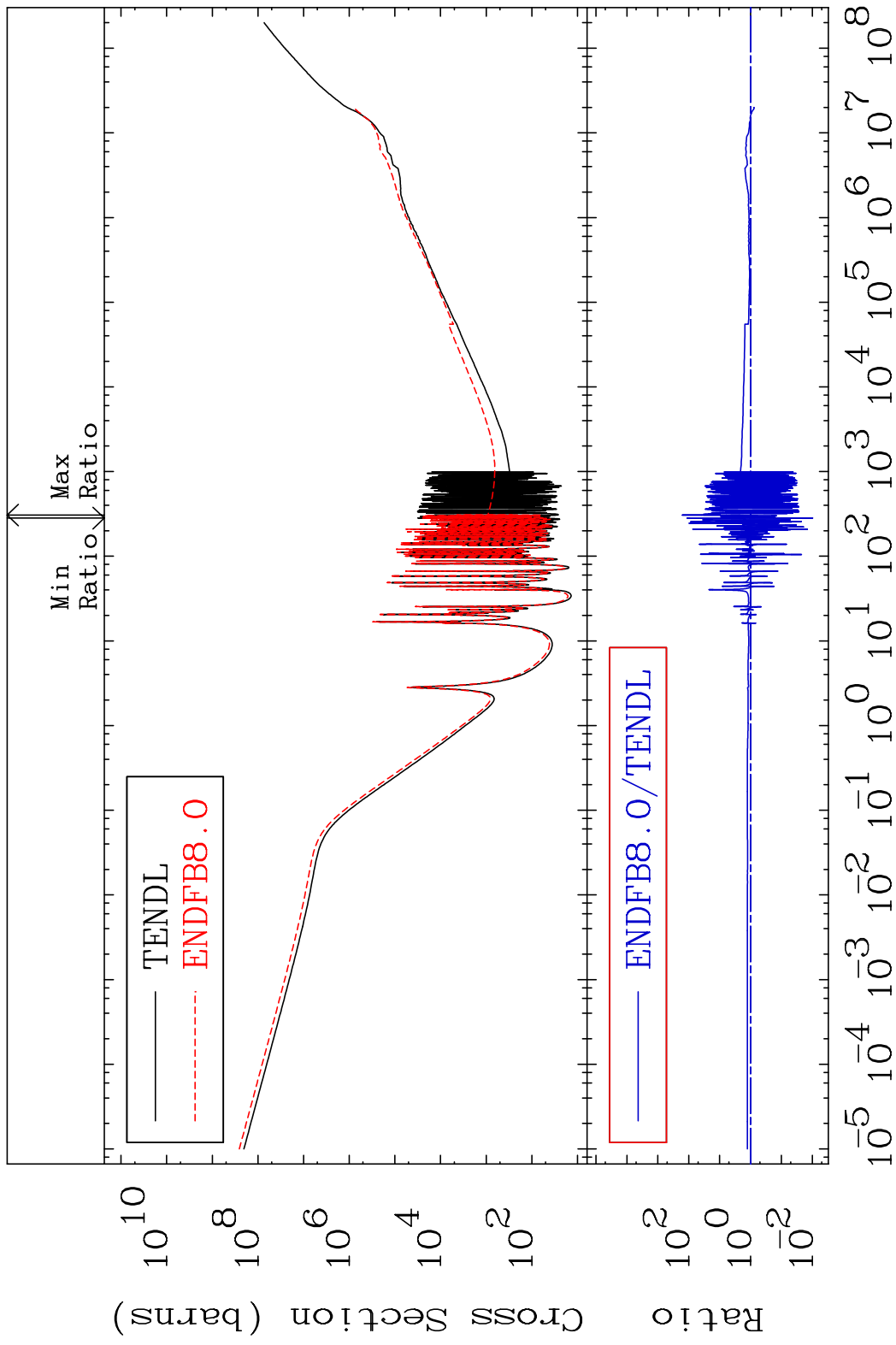
Kerma capture (mt102) 64-Gd-157
Cross Section -99.34 To 9999. %

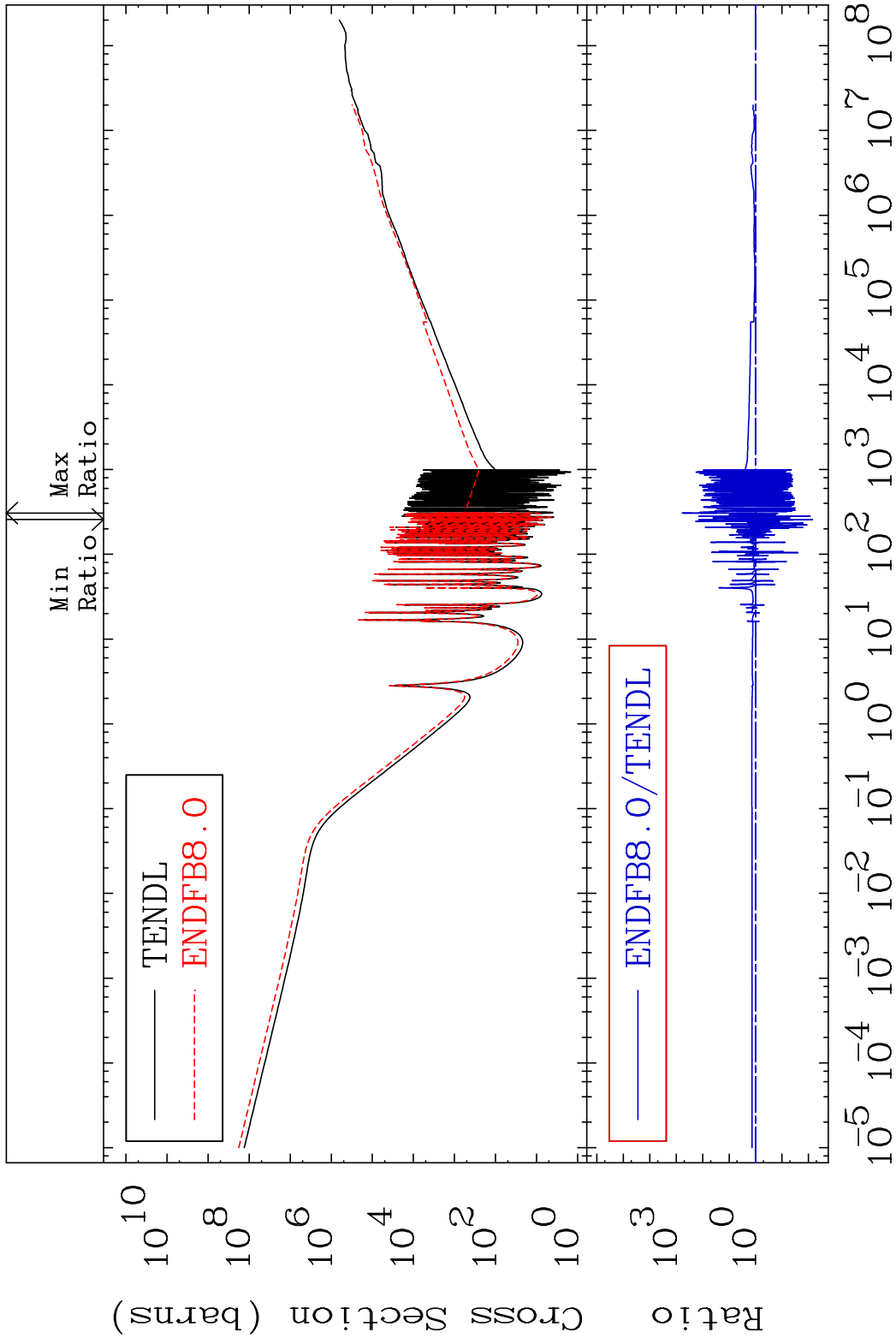


MAT 6440 Total photon (eV-barns) 64-Gd-157
 Cross Section -99.48 To 9999. %

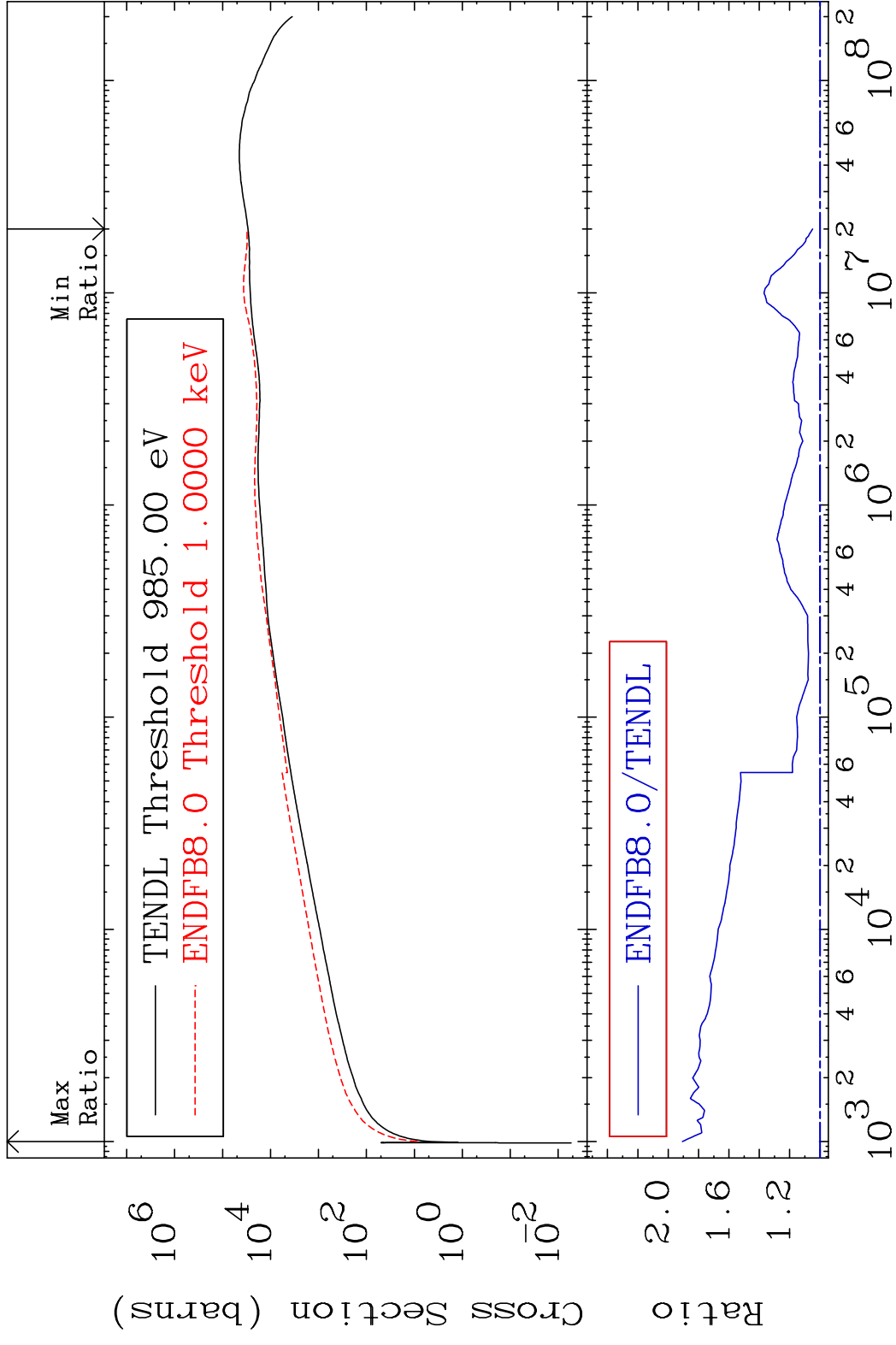


MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
 Cross Section -99.01 To 9999. %

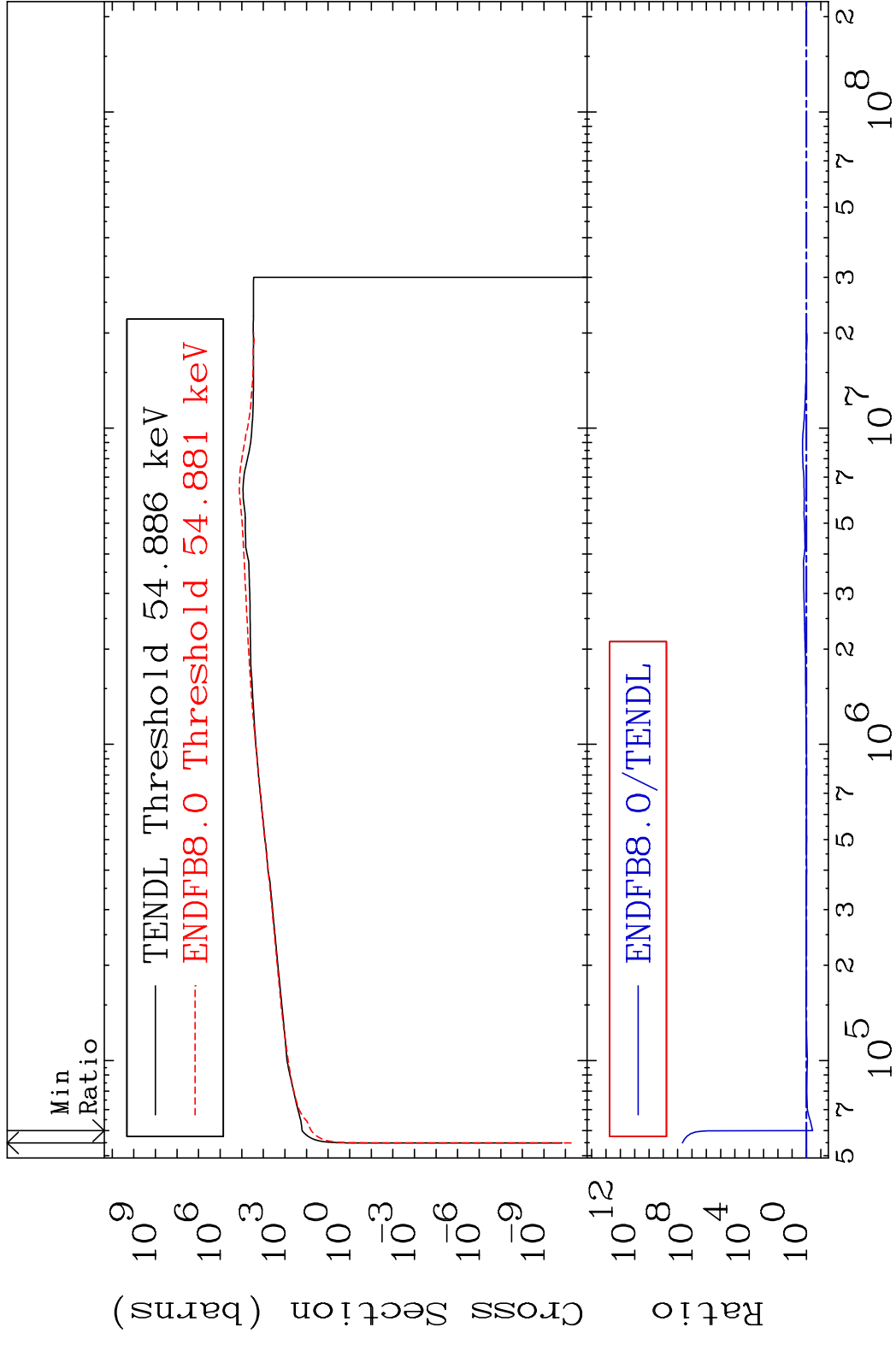




MAT 6440 Dpa elastic (mt2) 64-Gd-157
 Cross Section 4.926 To 90.68 %



MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157
 Cross Section -62.16 To 9999. %



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -99.29 To 9999. %

