

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

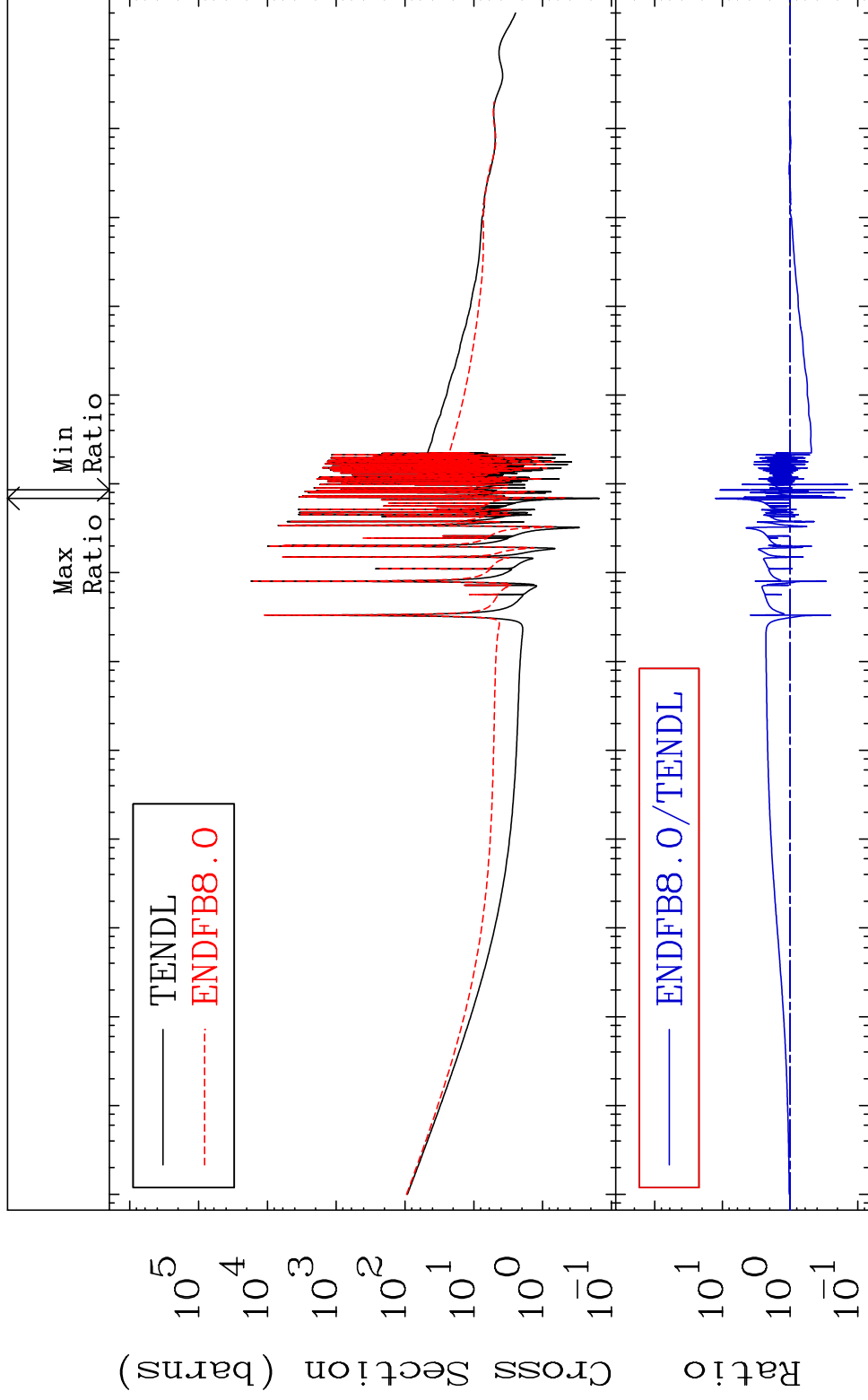
MAT 6437

Total

64-Gd-156

Cross Section

-87.91 To 1158. %



1

Incident Energy (eV)

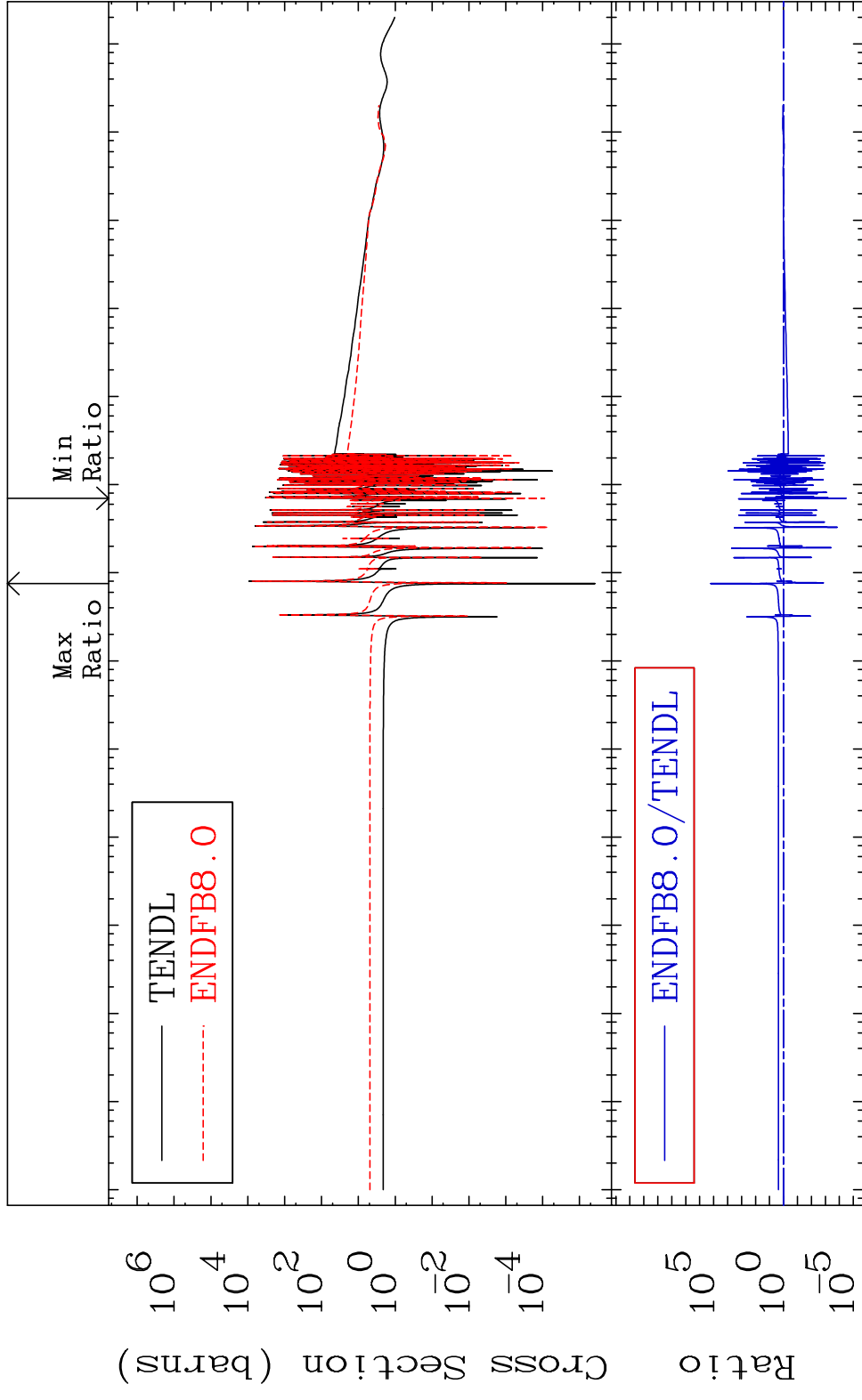
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -100.0 To 9999. %

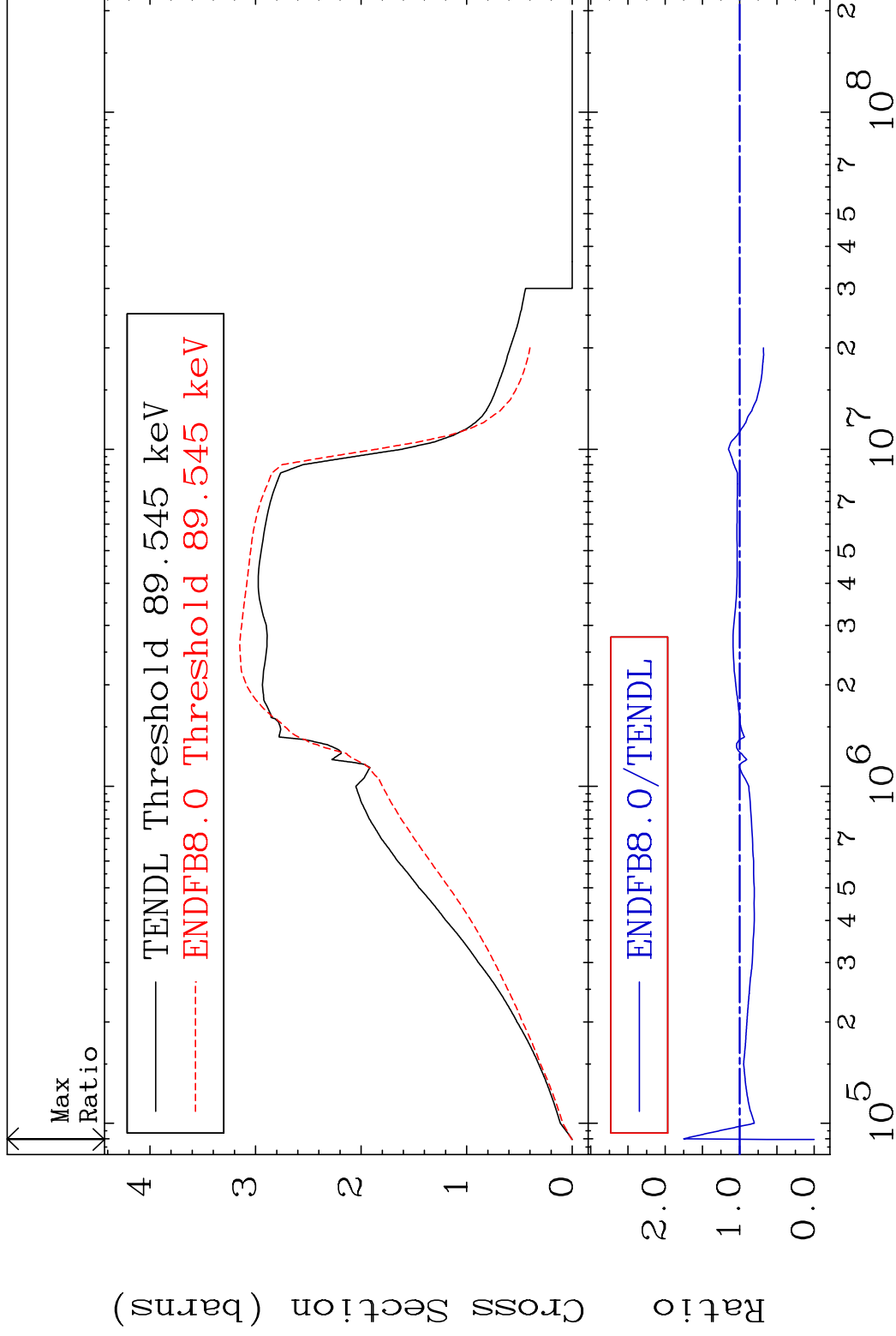


MAT 6437

Inelastic

64-Gd-156

Cross Section -100.0 To 75.19 %



3

Incident Energy (eV)

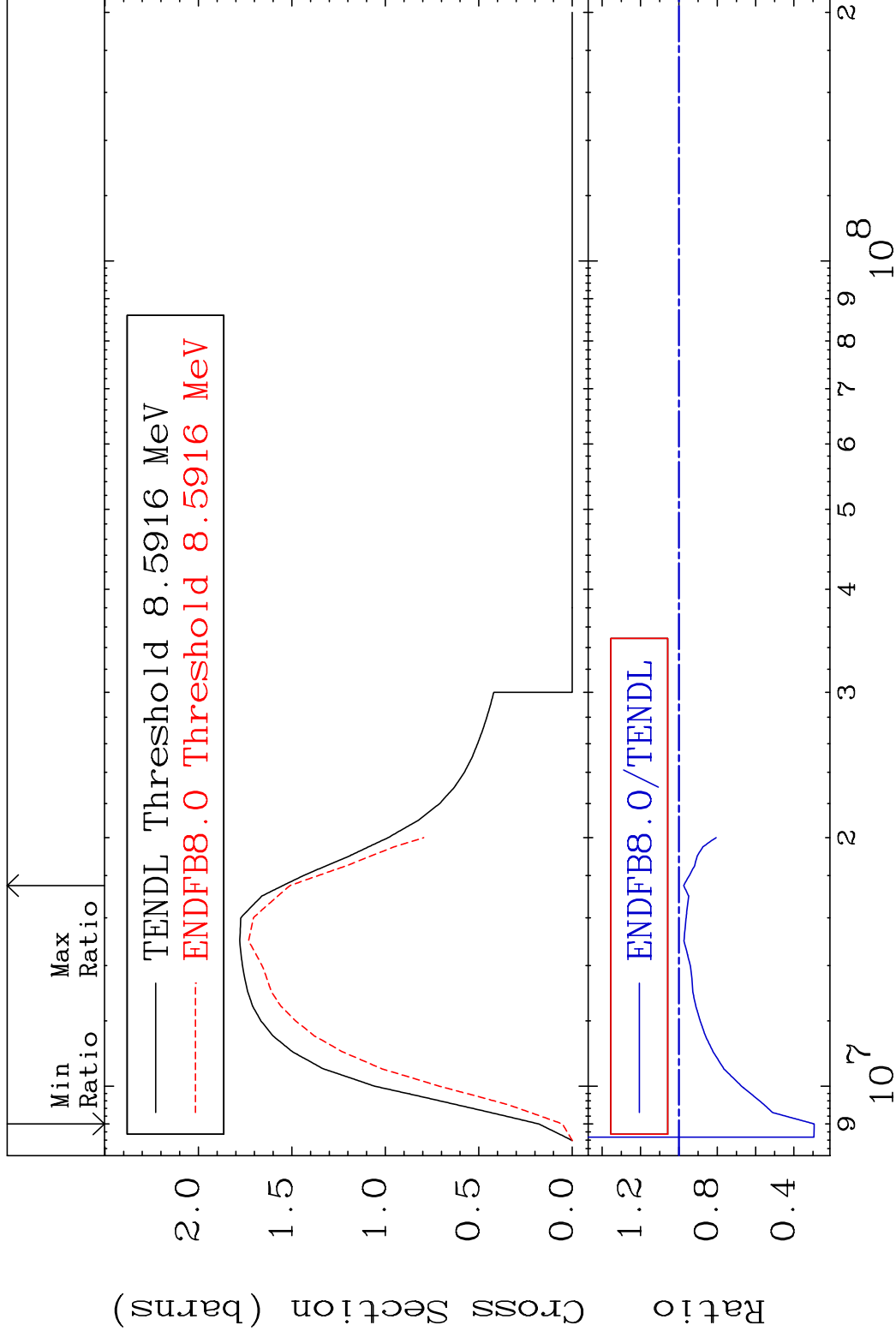
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -70.53 To -2.511%



4

Incident Energy (eV)

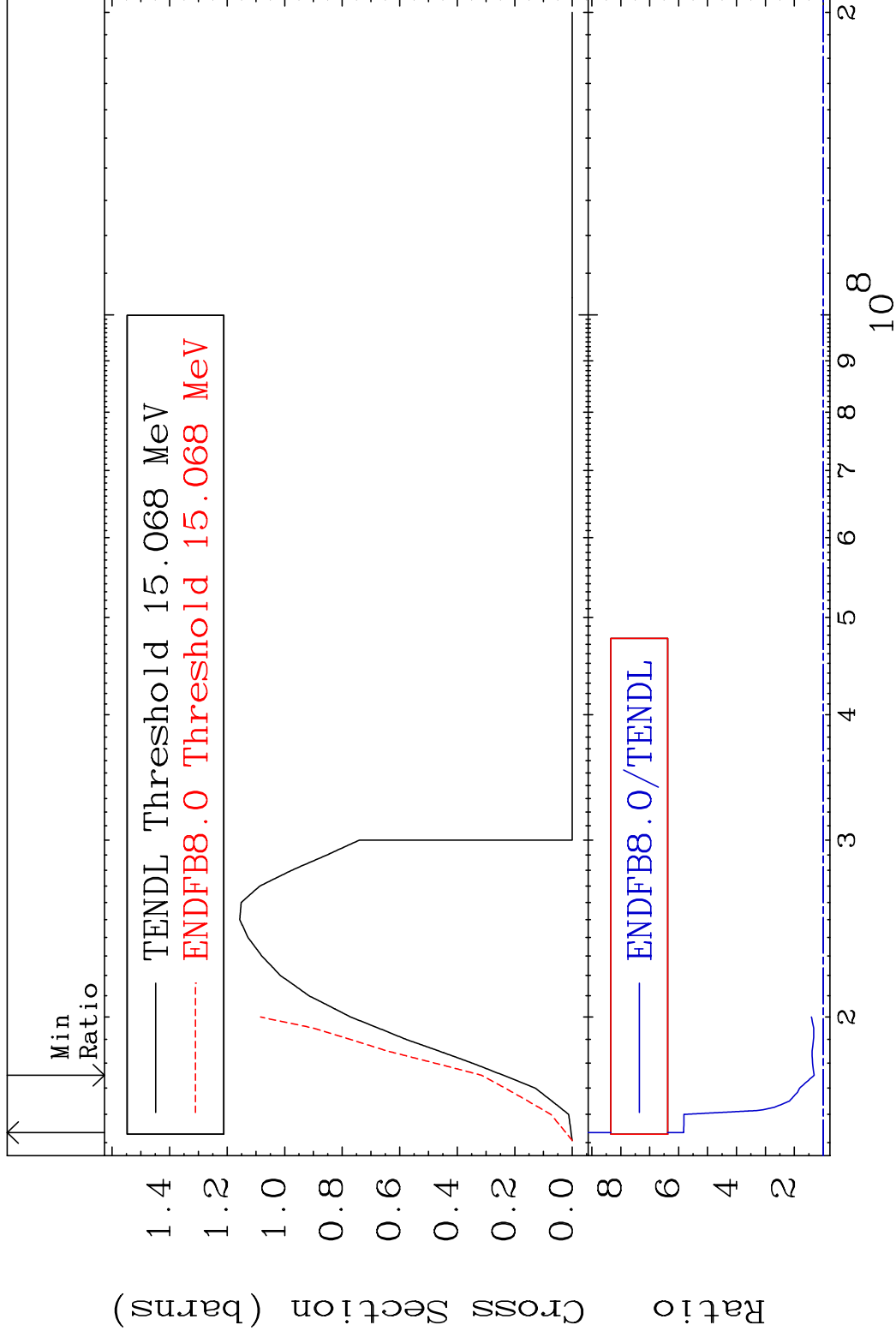
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section 31.75 To 482.6 %



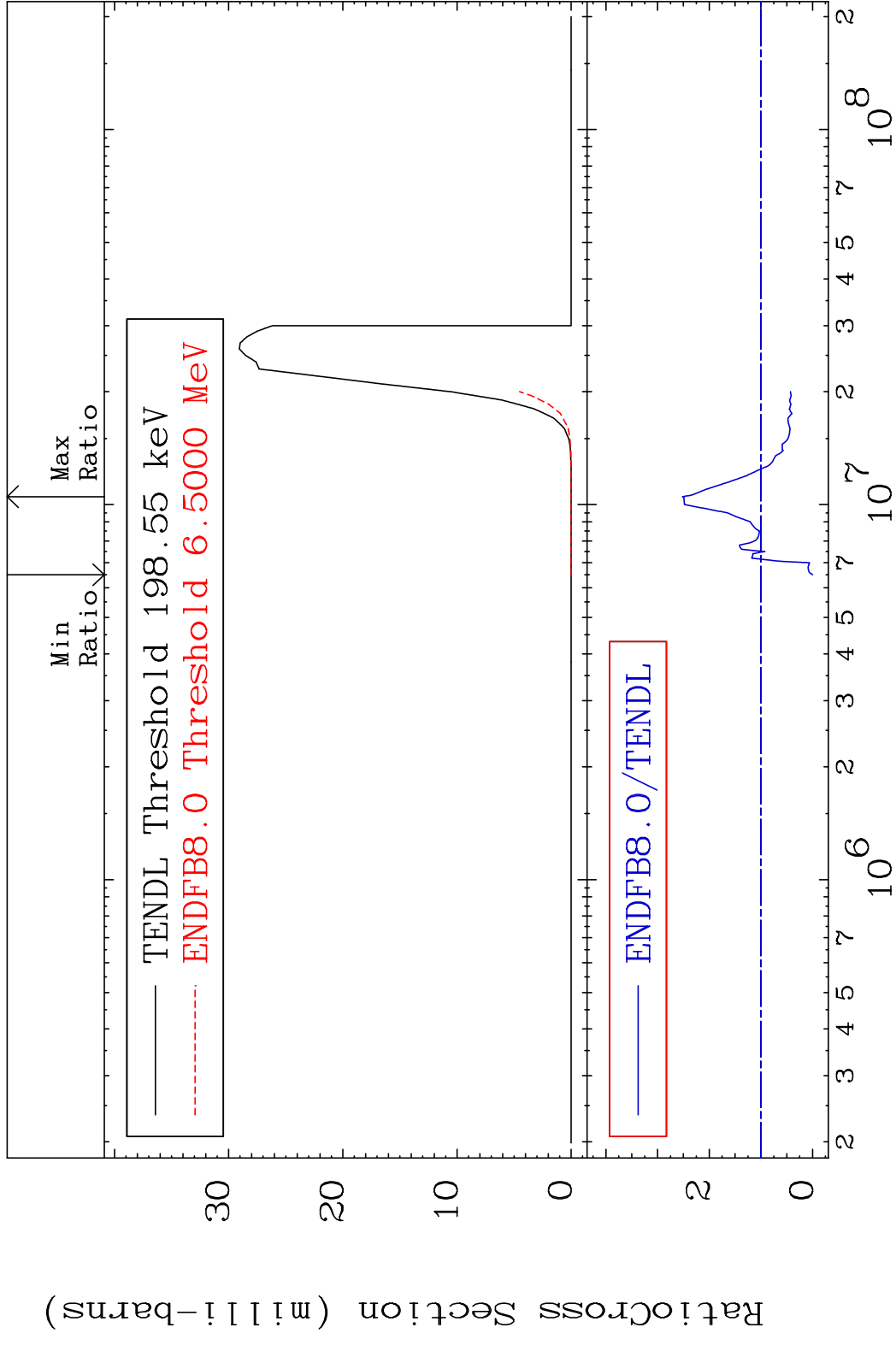
5

Incident Energy (eV)

64-Gd-156

MAT 6437

(n, n') α 64-Gd-156
Cross Section -100.0 To 152.0 %

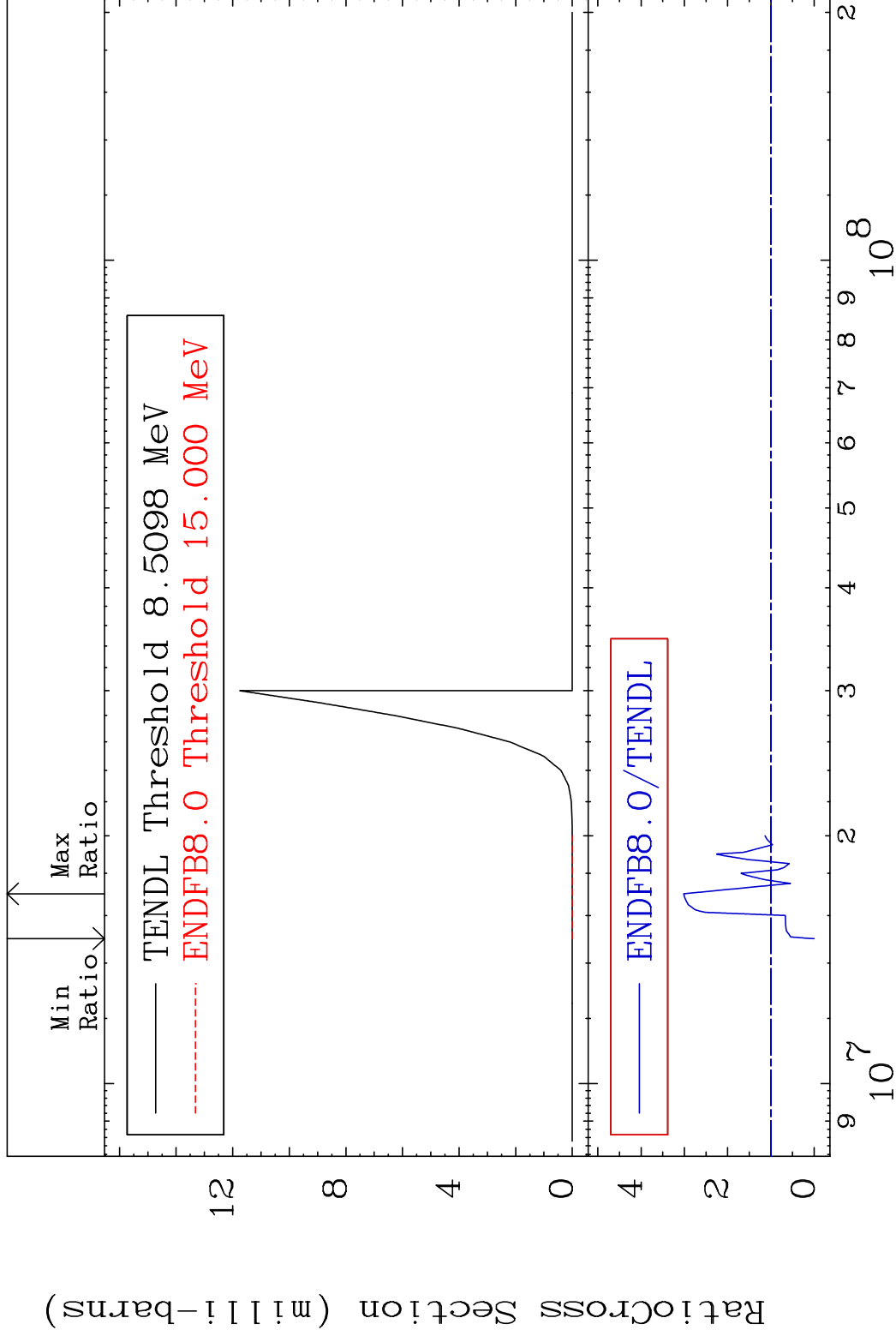


MAT 6437

(n,2n) α

64-Gd-156

Cross Section -100.0 To 201.7 %



7

Incident Energy (eV)

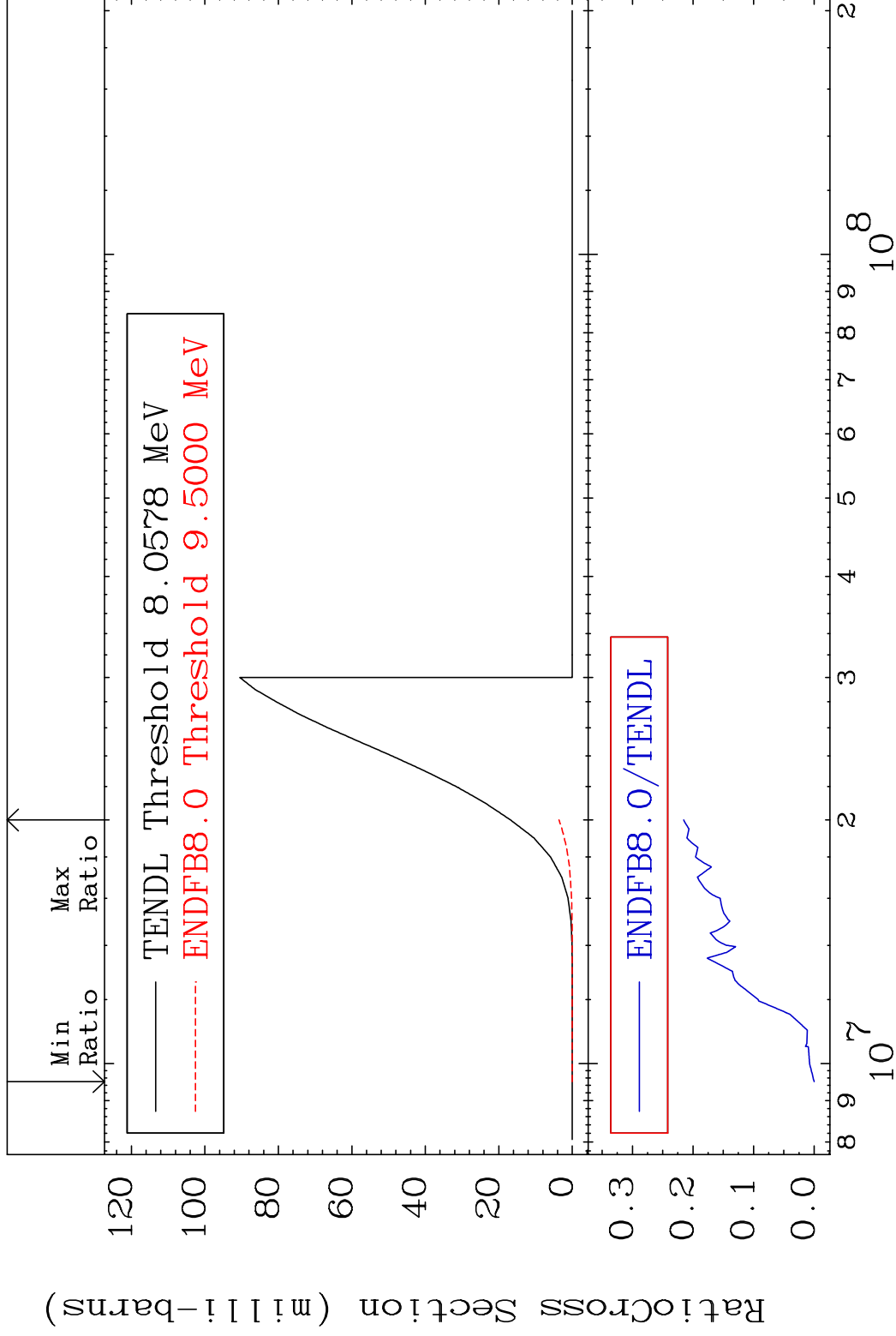
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To -78.46%



8

Incident Energy (eV)

64-Gd-156

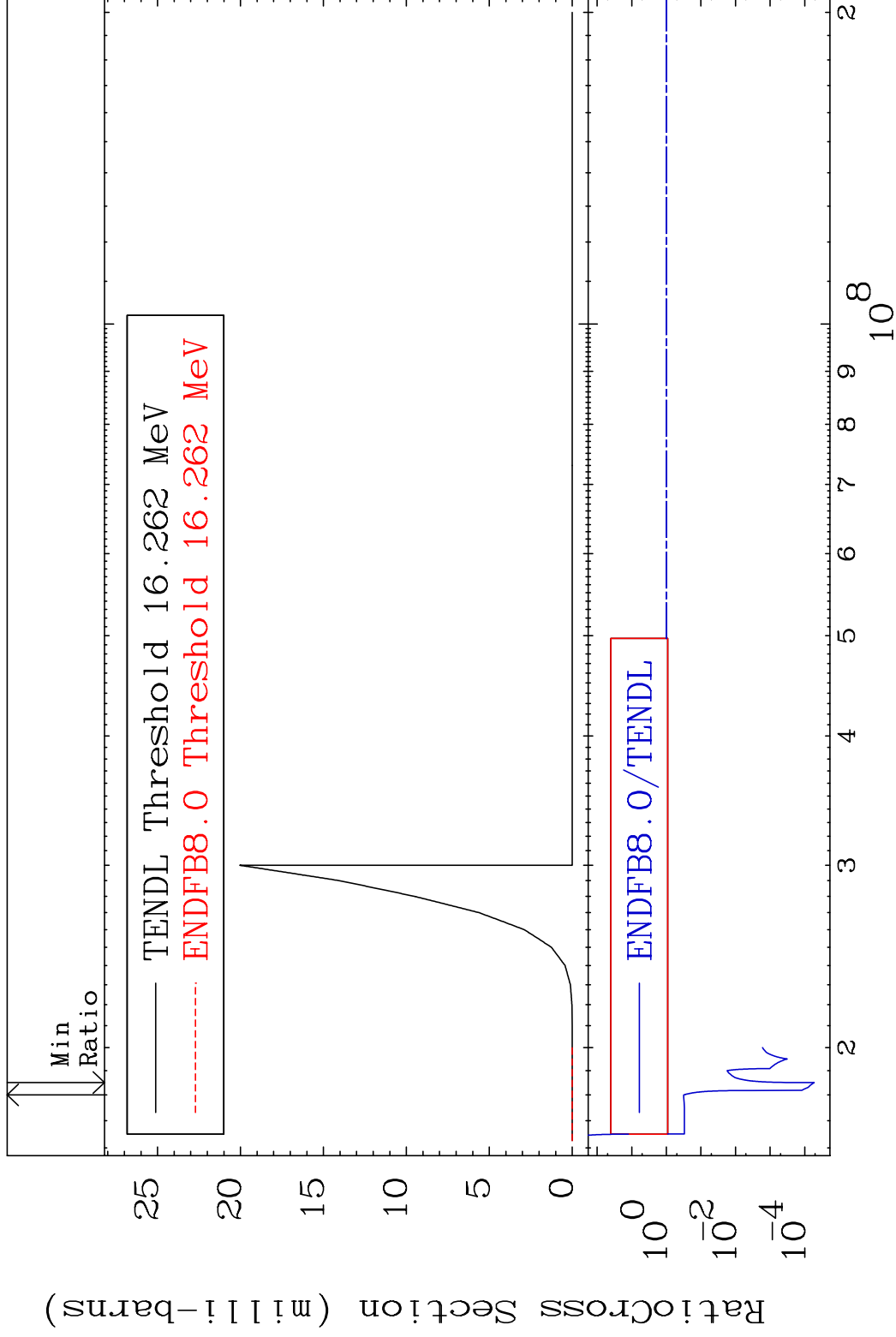
MAT 6437

(n,2n) p

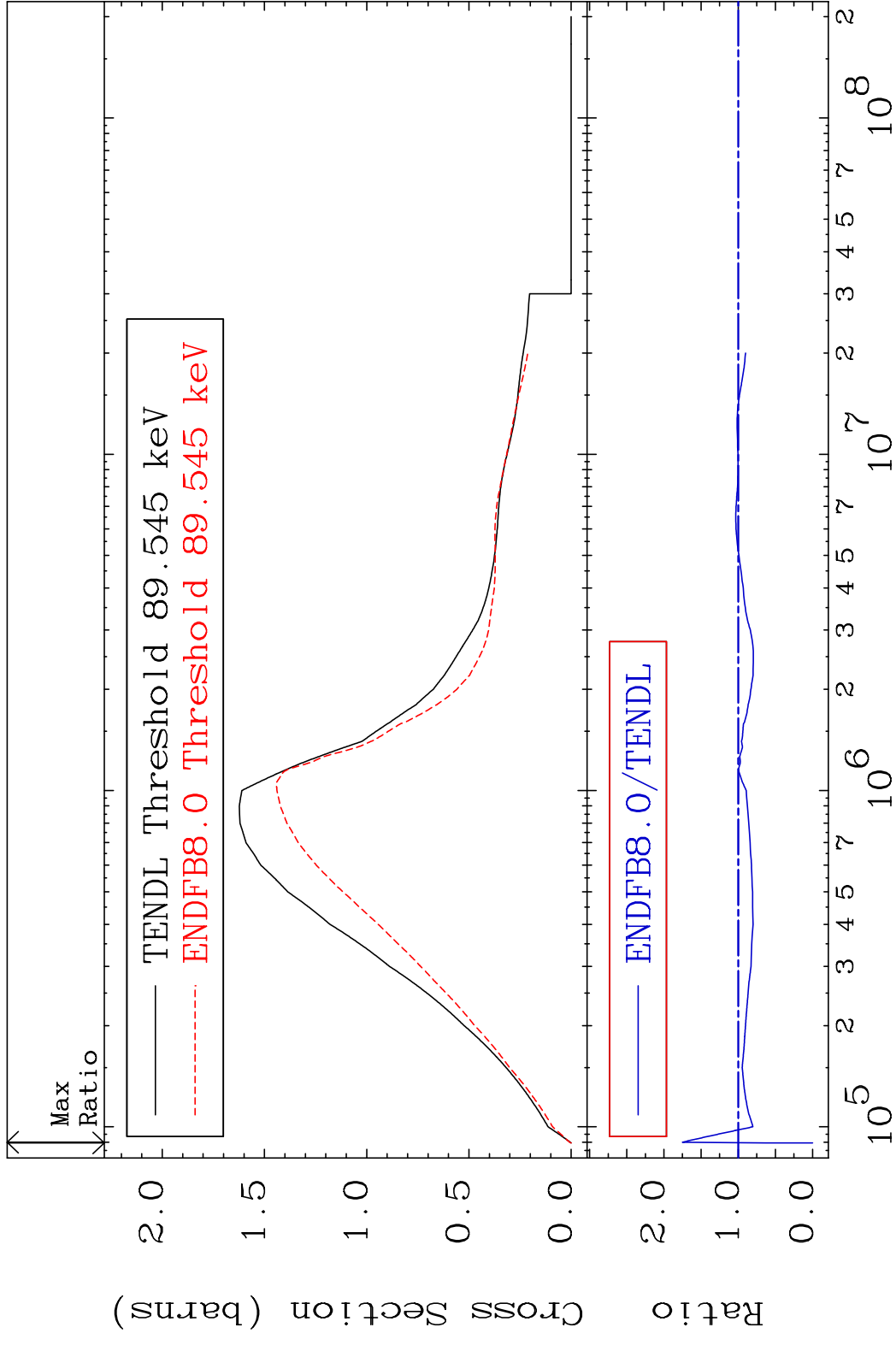
64-Gd-156

Cross Section

-99.99 To -68.47%

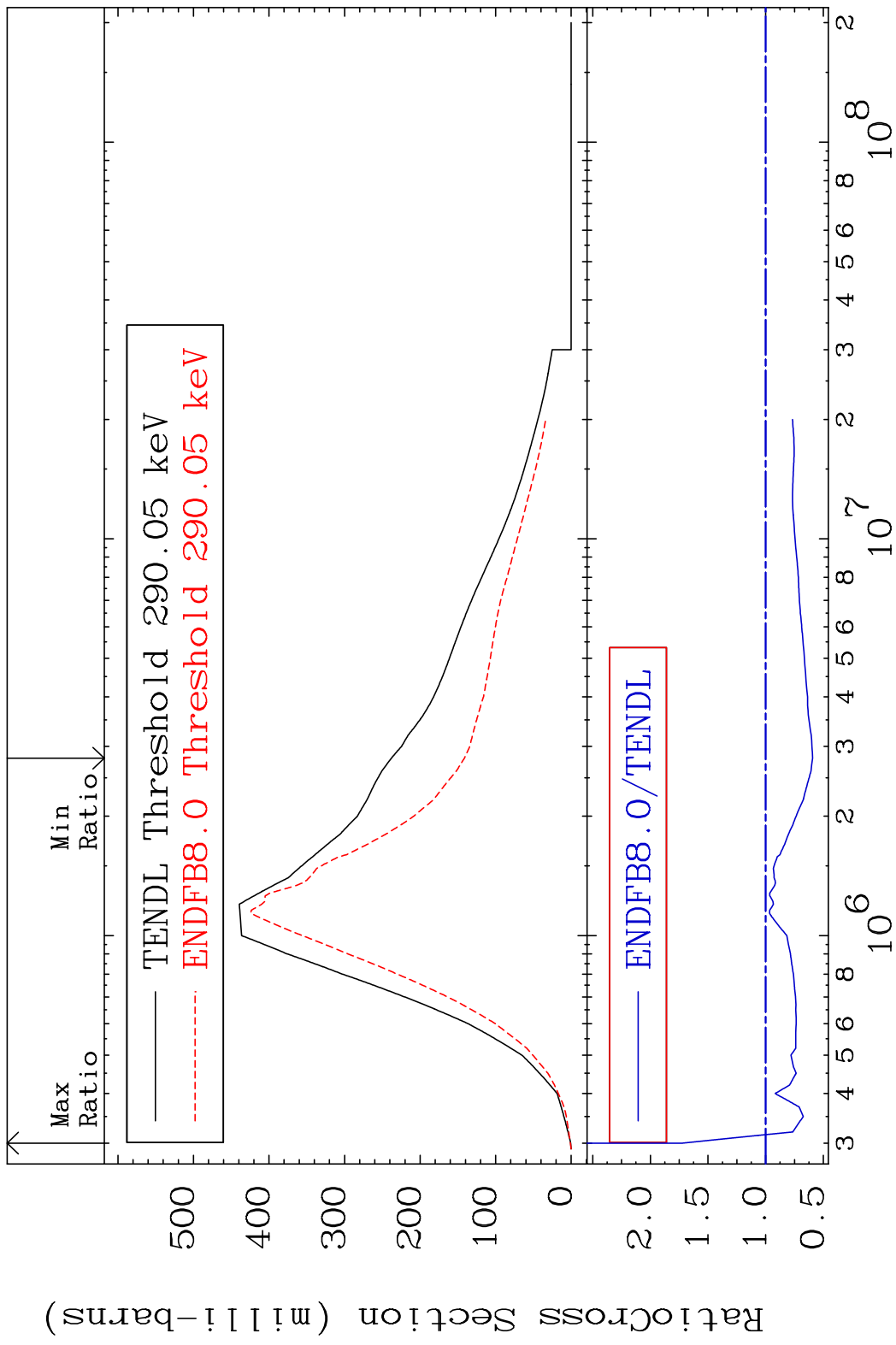


MAT 6437 MT= 51 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 75.19 %

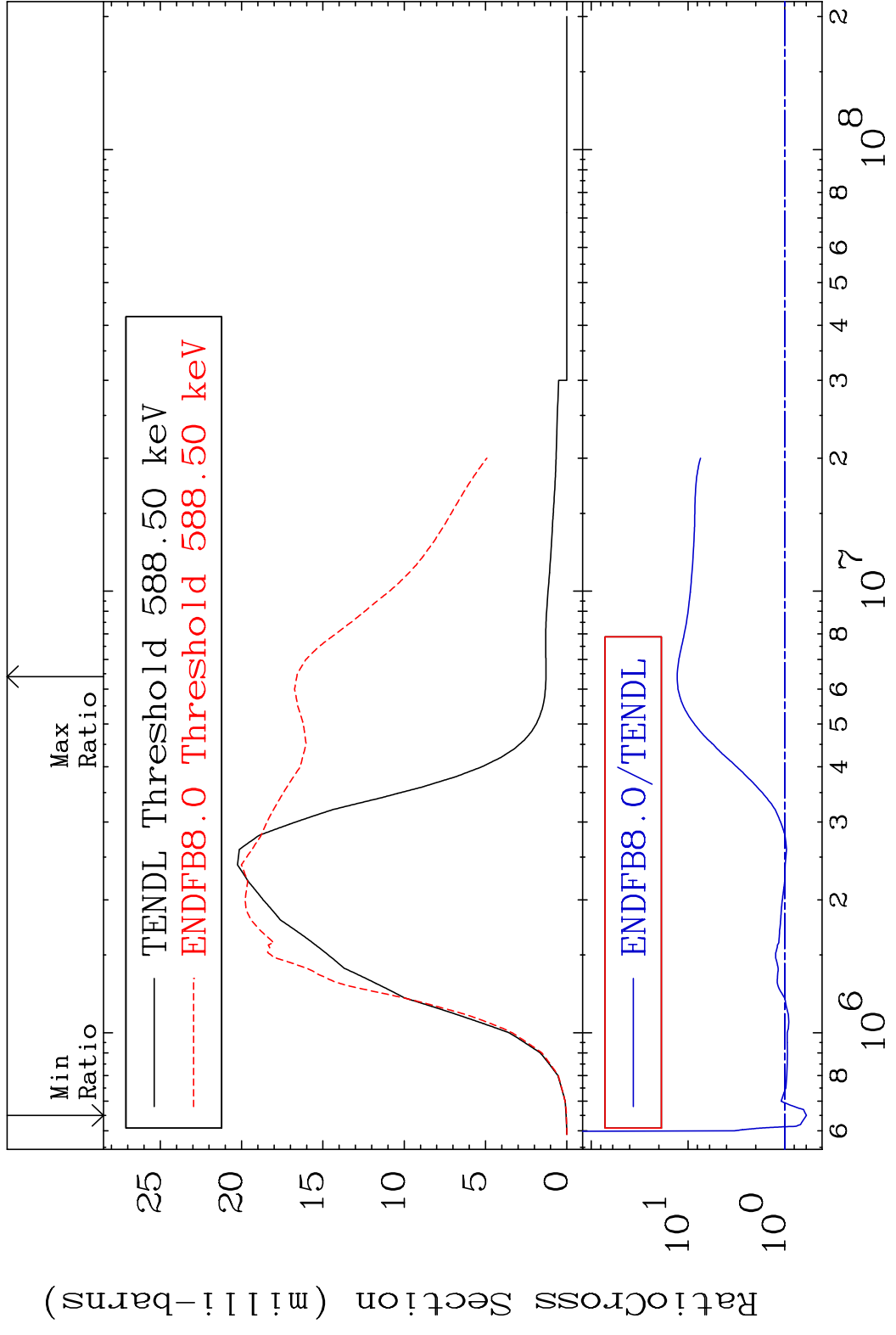


10 10 64-Gd-156

MAT 6437 MT= 52 (n,n') Level 64-Gd-156
 Cross Section -40.65 To 72.27 %



MAT 6437 MT= 53 (n, n') Level 64-Gd-156
 Cross Section -40.23 To 1195. %

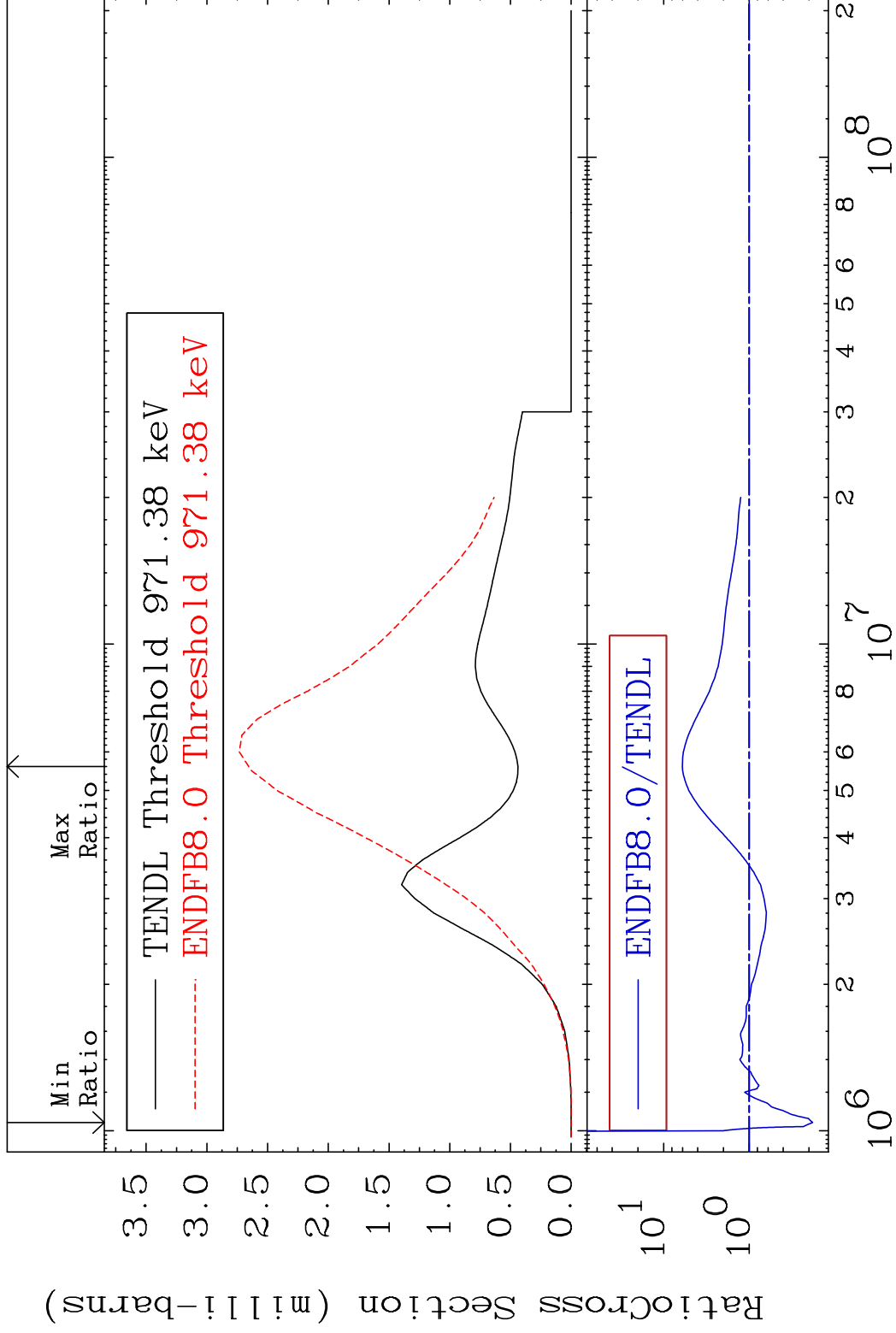


MAT 6437

MT= 54 (n,n') Level

64-Gd-156

Cross Section -81.84 To 505.2 %

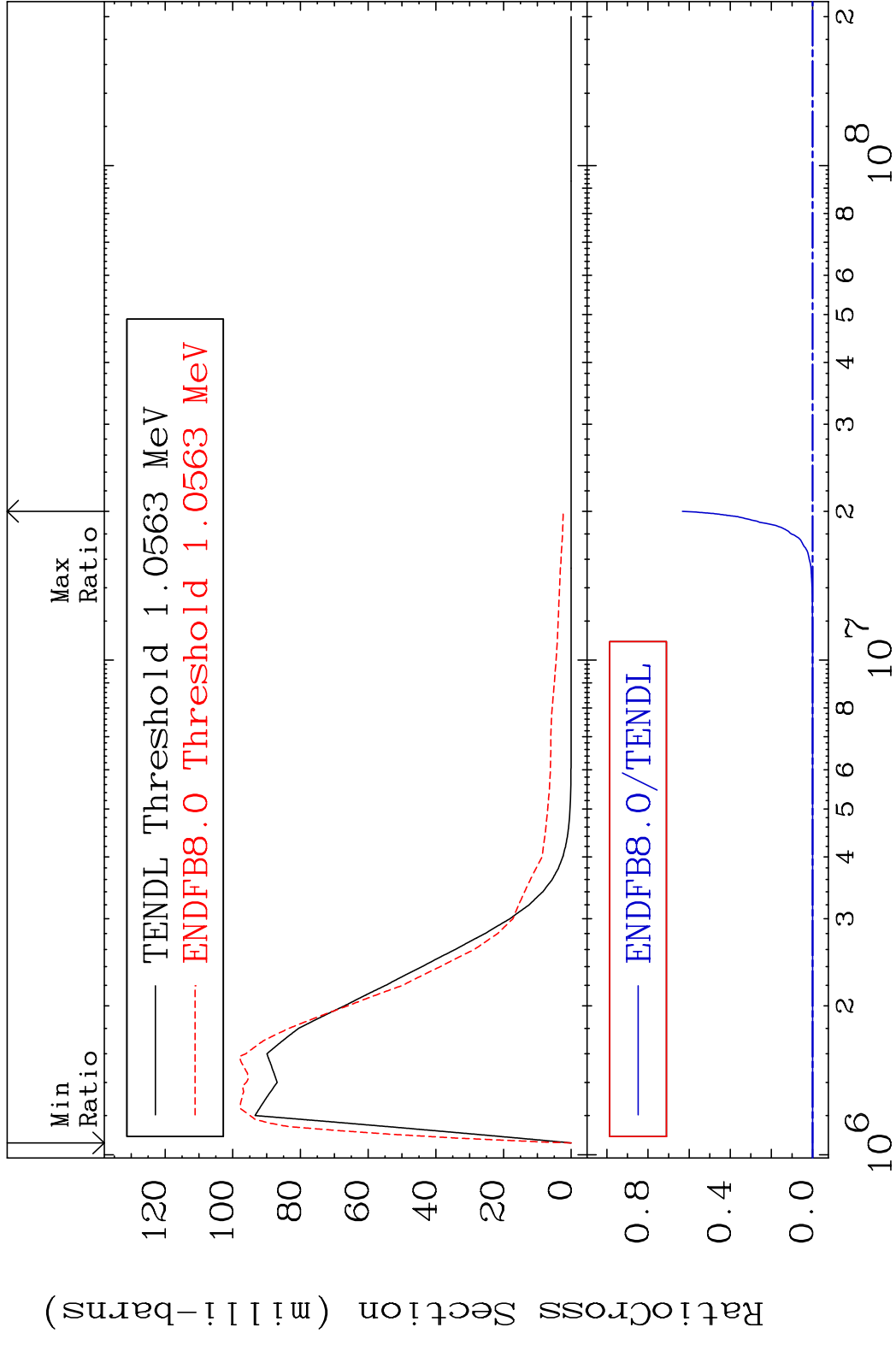


13

Incident Energy (eV)

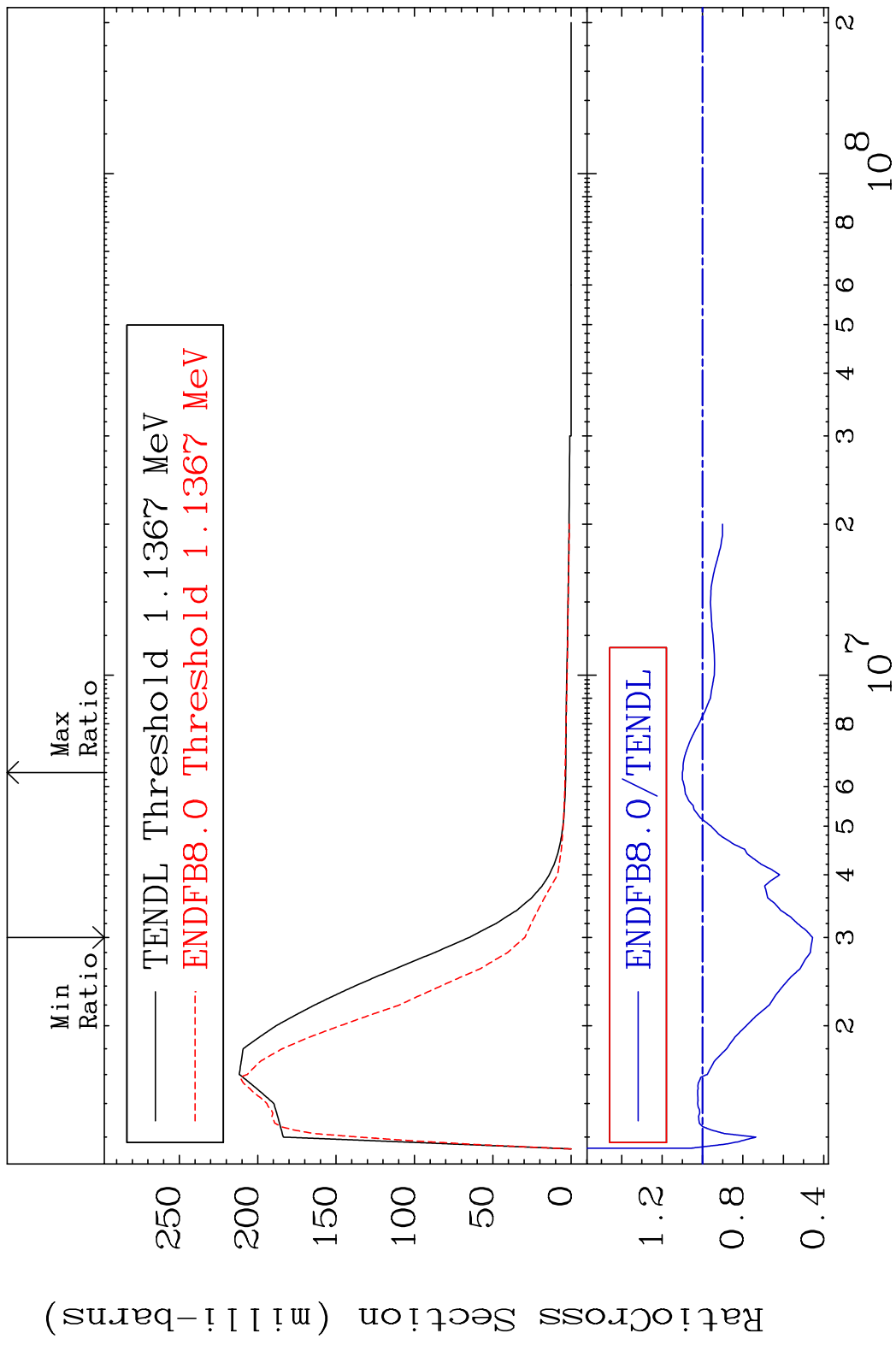
64-Gd-156

MAT 6437 MT= 55 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %

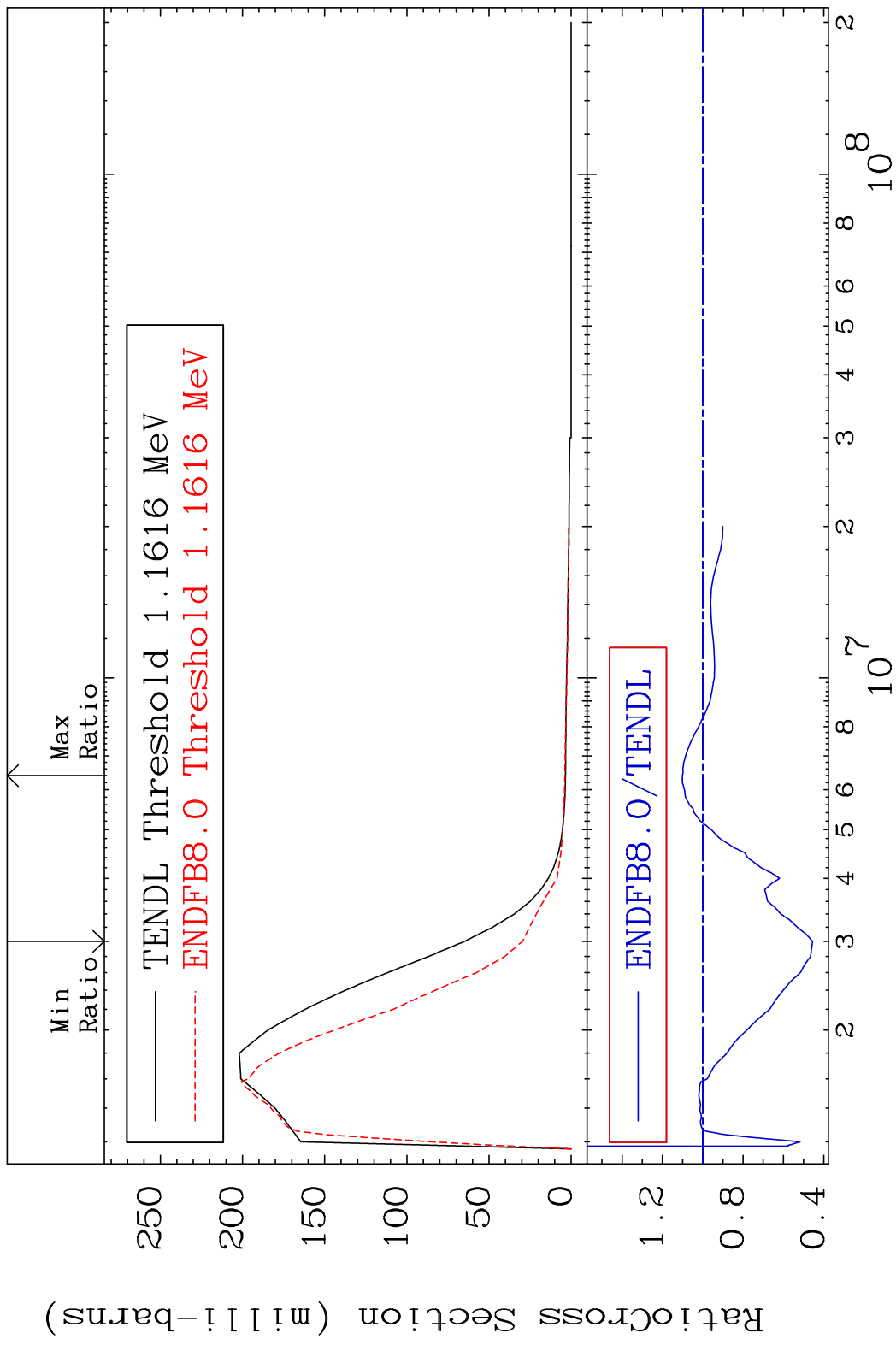


14 Incident Energy (eV) 64-Gd-156

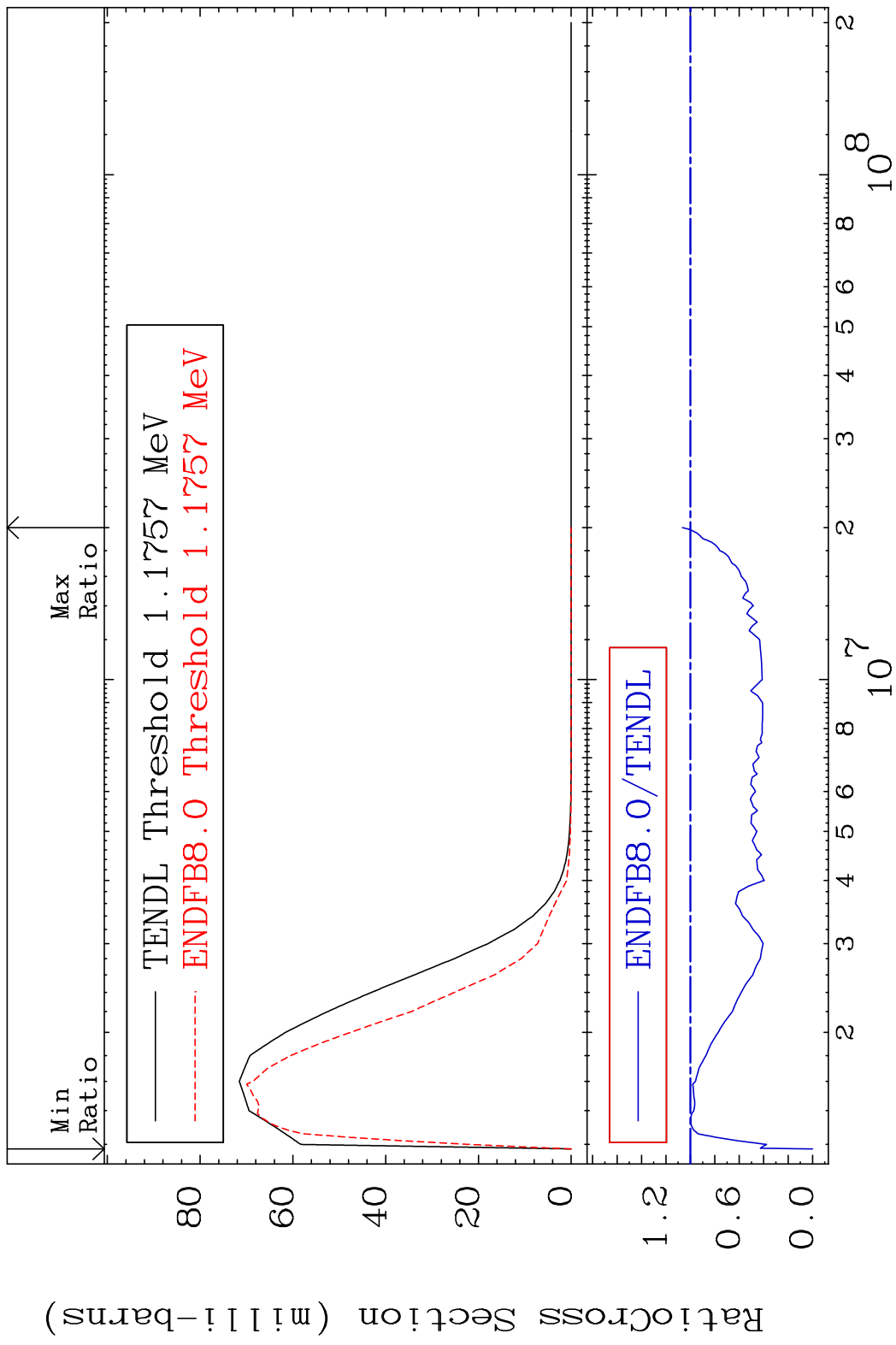
MAT 6437 MT= 56 (n,n') Level 64-Gd-156
 Cross Section -54.44 To 9.965 %



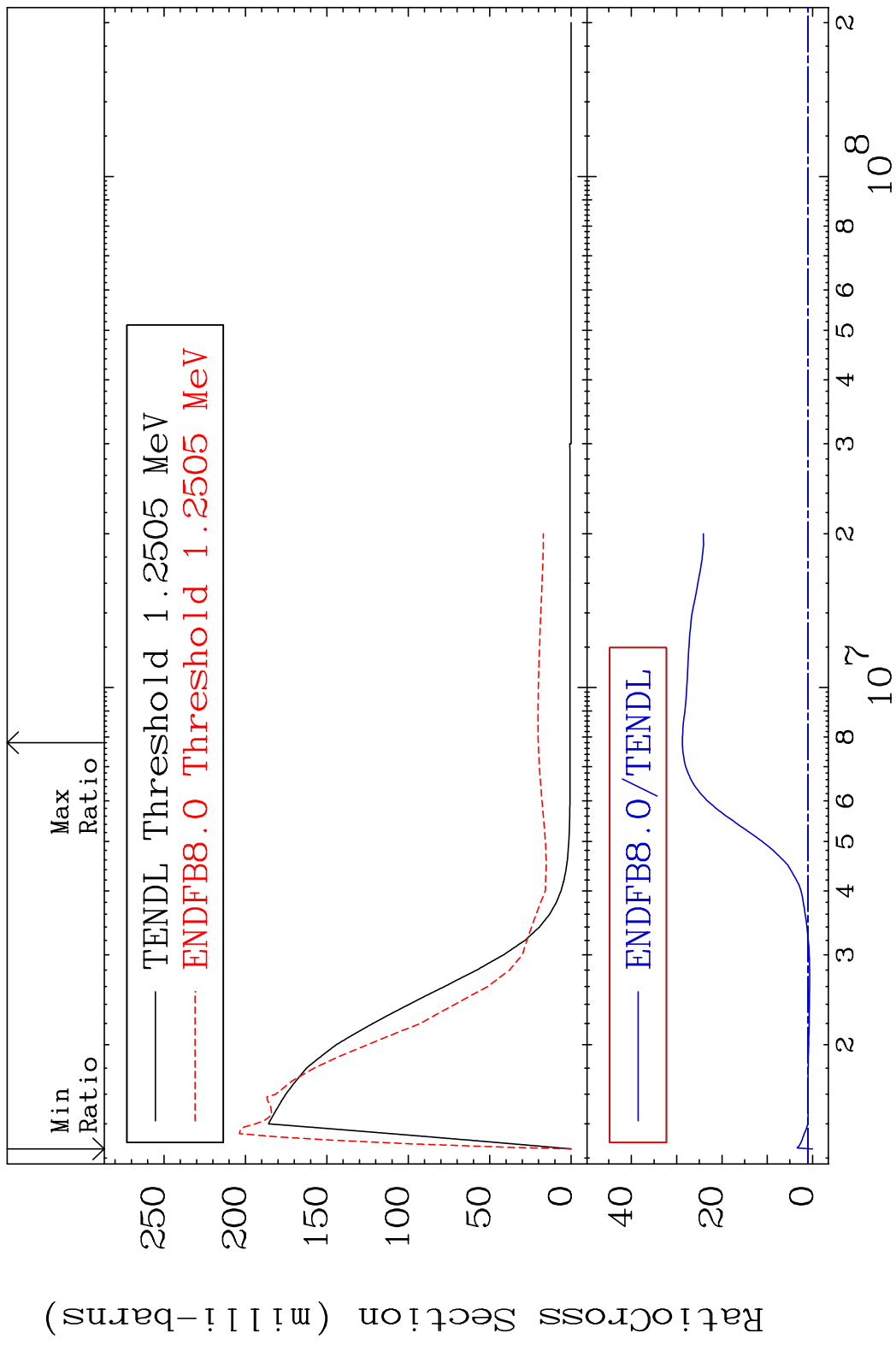
MAT 6437 MT= 57 (n,n') Level 64-Gd-156
 Cross Section -54.46 To 10.11 %



MAT 6437 MT= 58 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 6.558 %



MAT 6437 MT= 59 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 2774. %

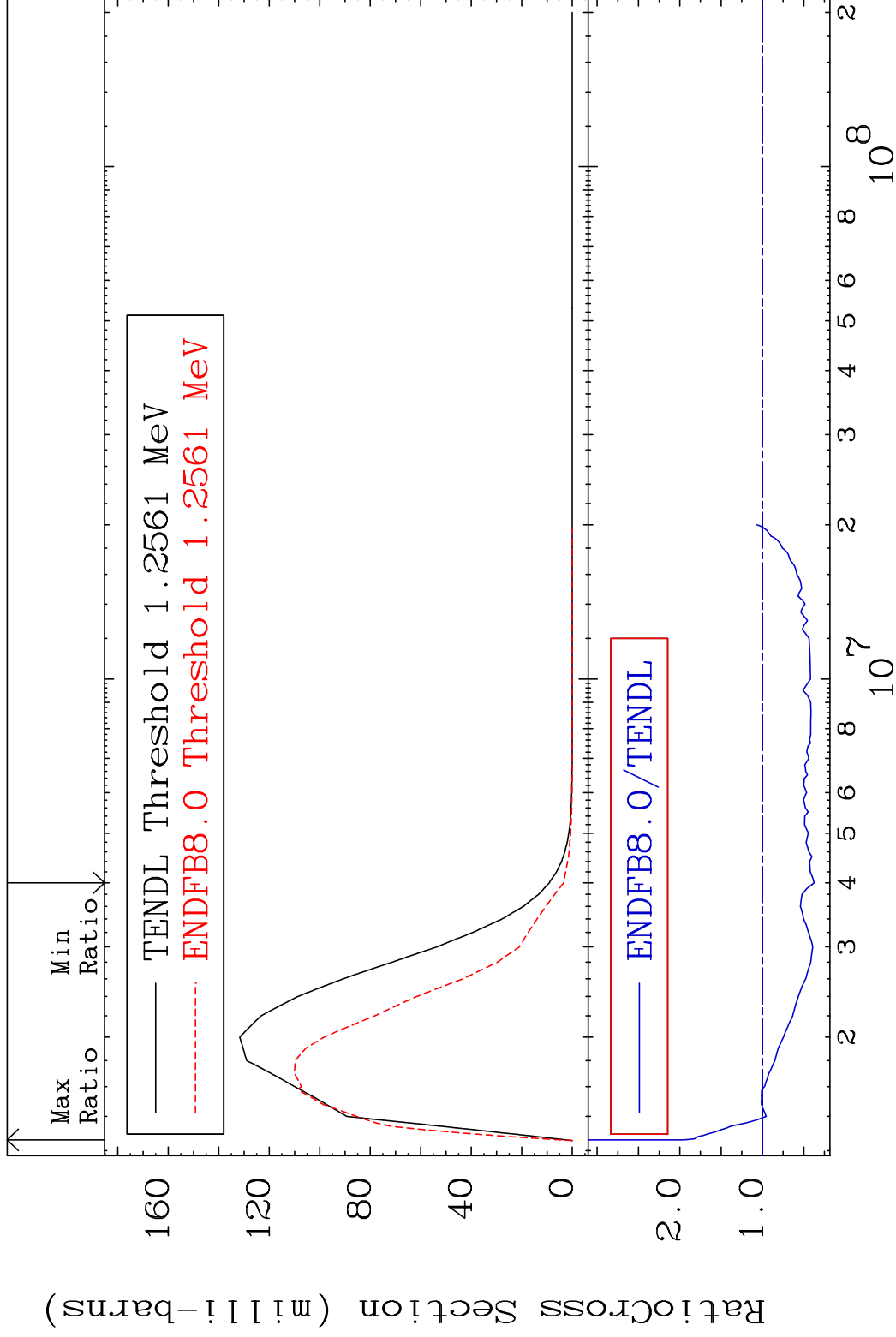


MAT 6437

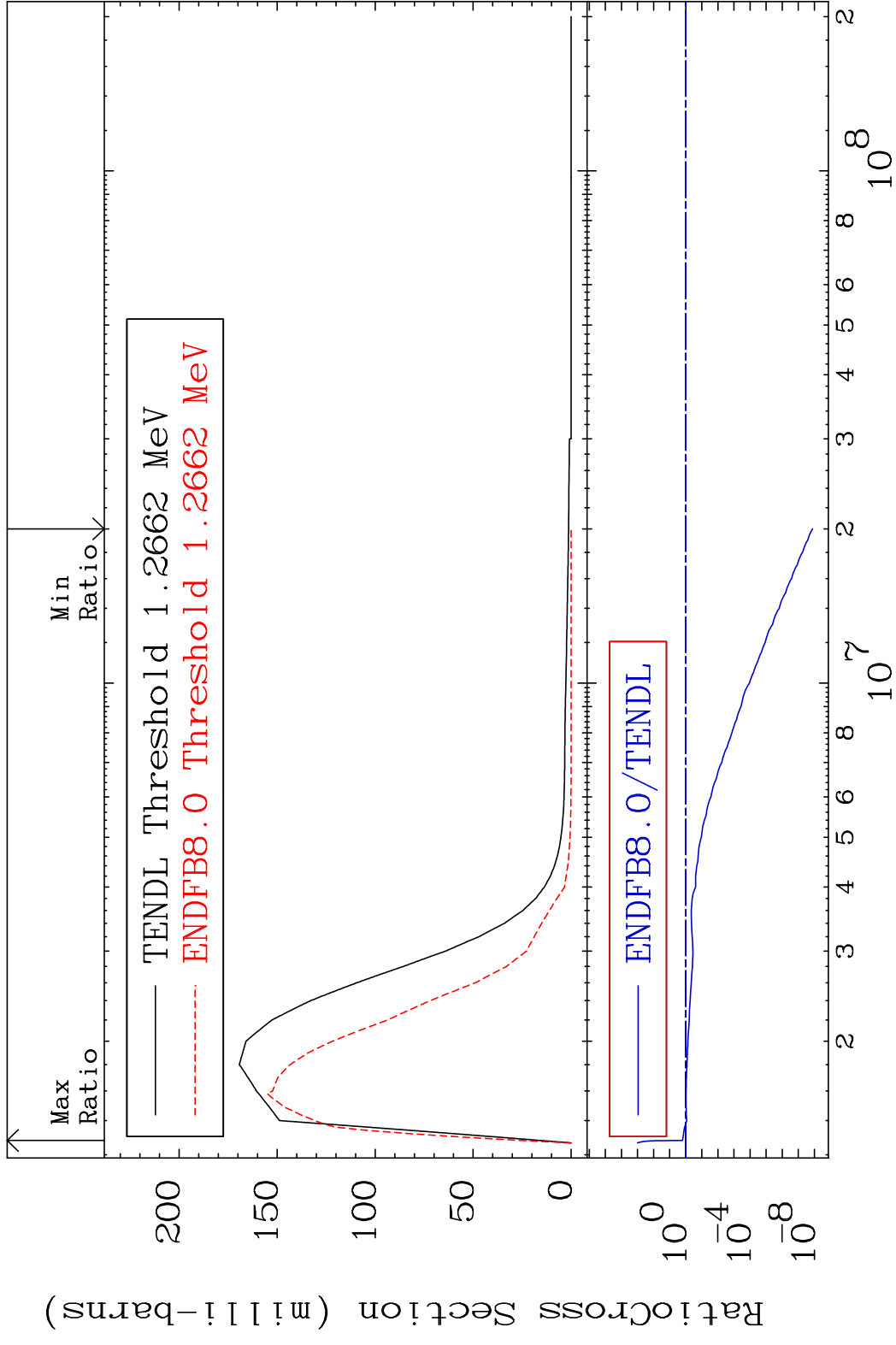
MT= 60 (n,n') Level

64-Gd-156

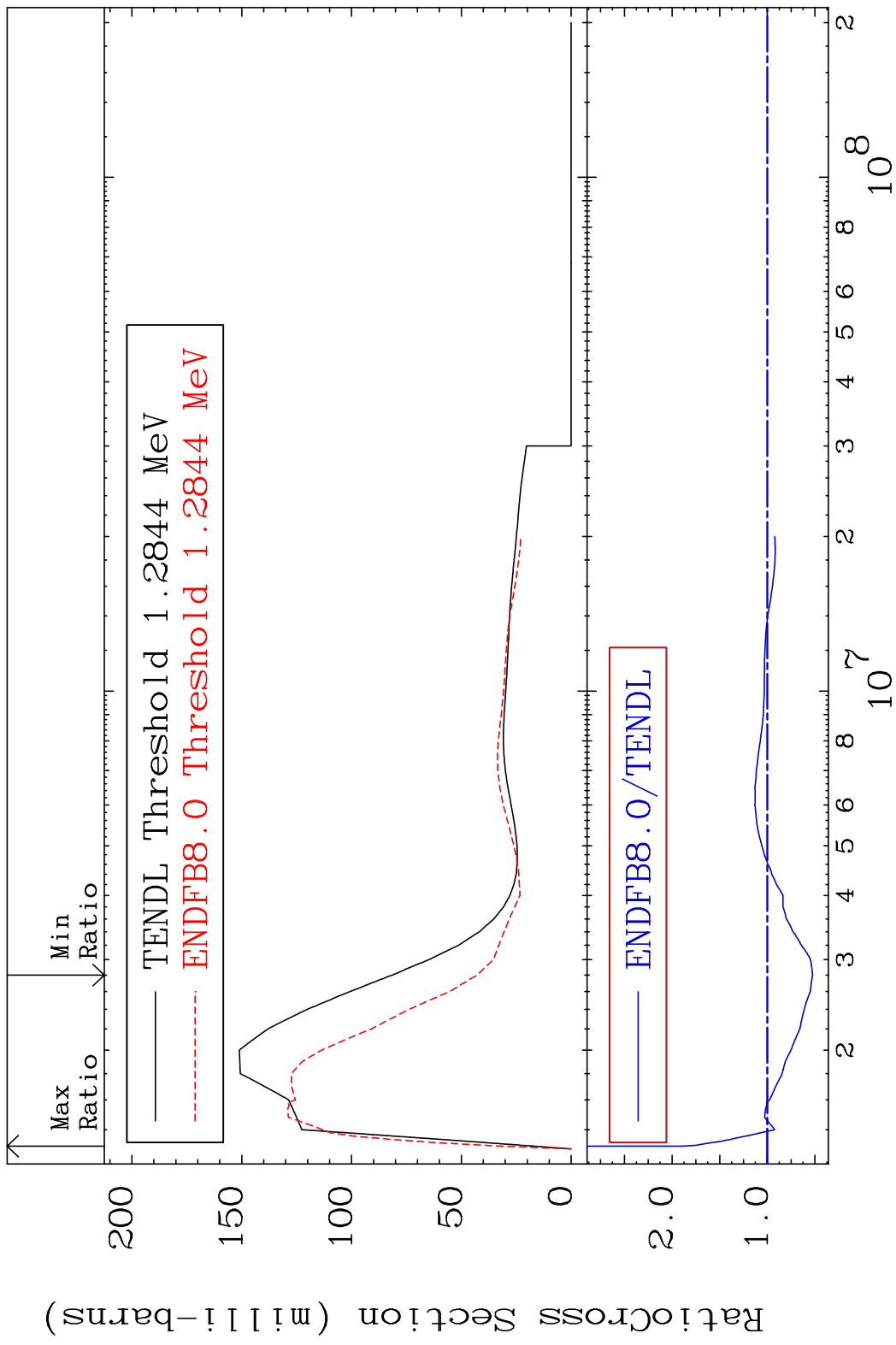
Cross Section -62.47 To 95.34 %



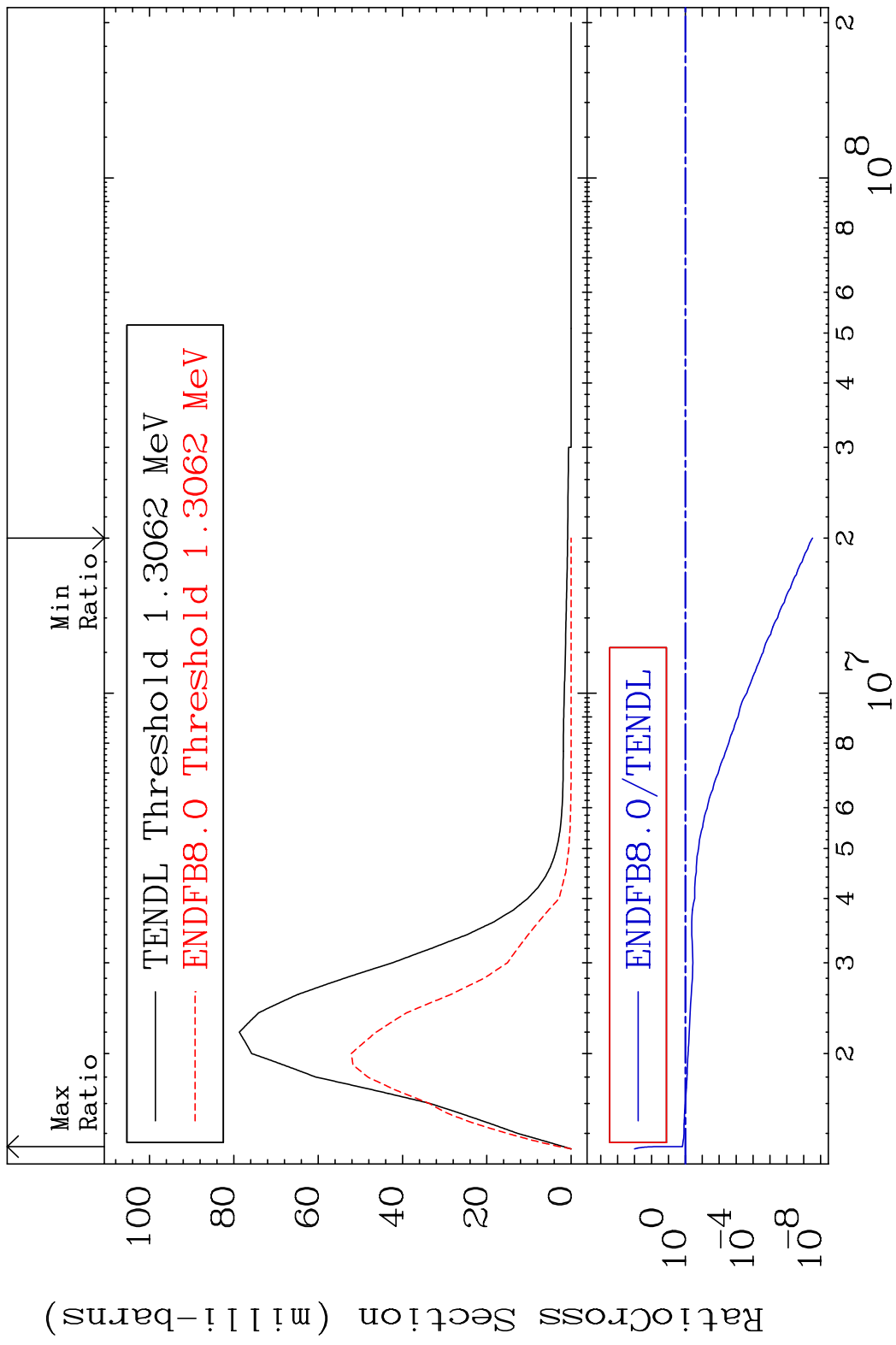
MAT 6437 MT= 61 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 62.87 %



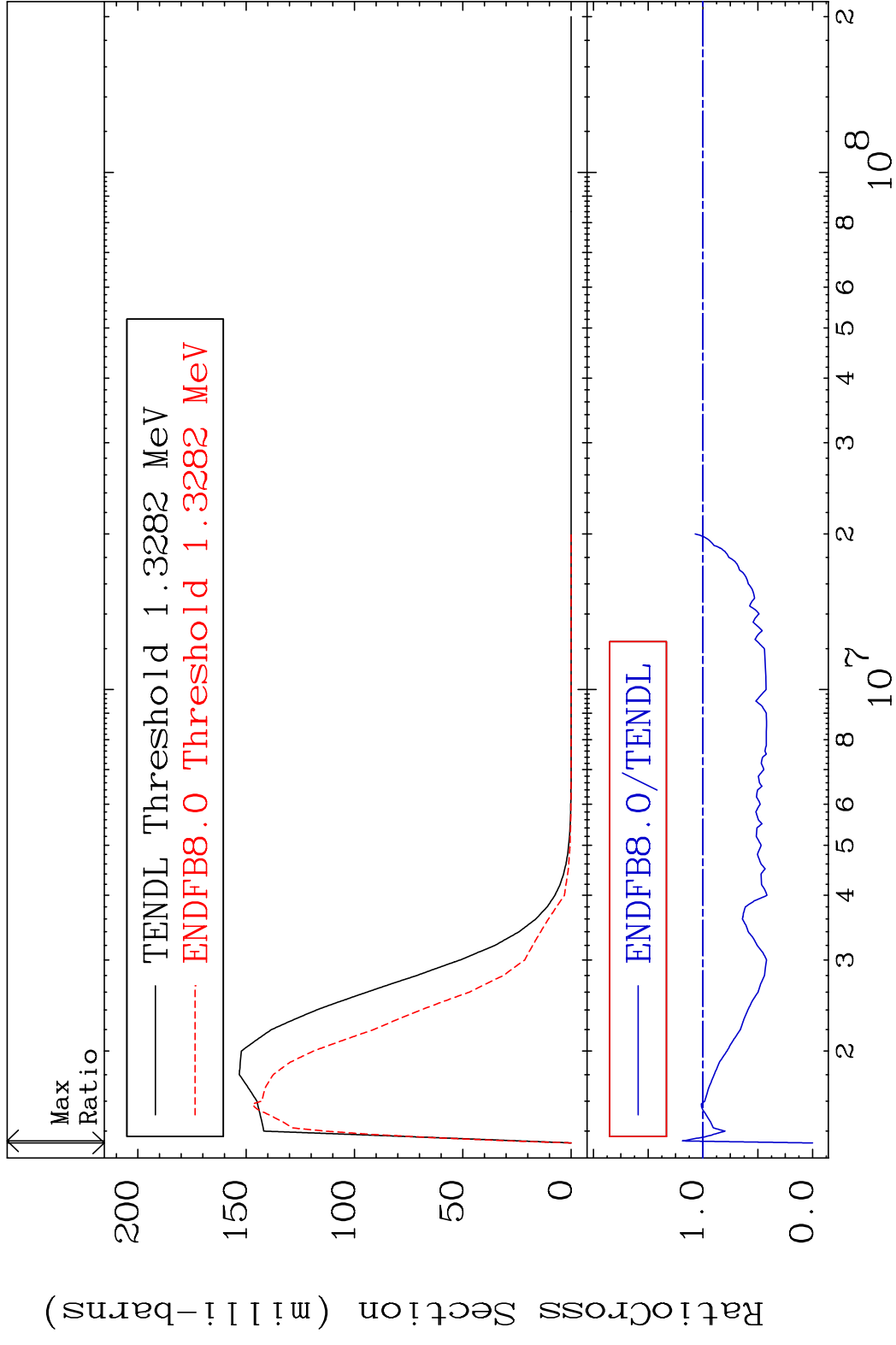
MAT 6437 MT= 62 (n,n') Level 64-Gd-156
 Cross Section -47.45 To 89.17 %



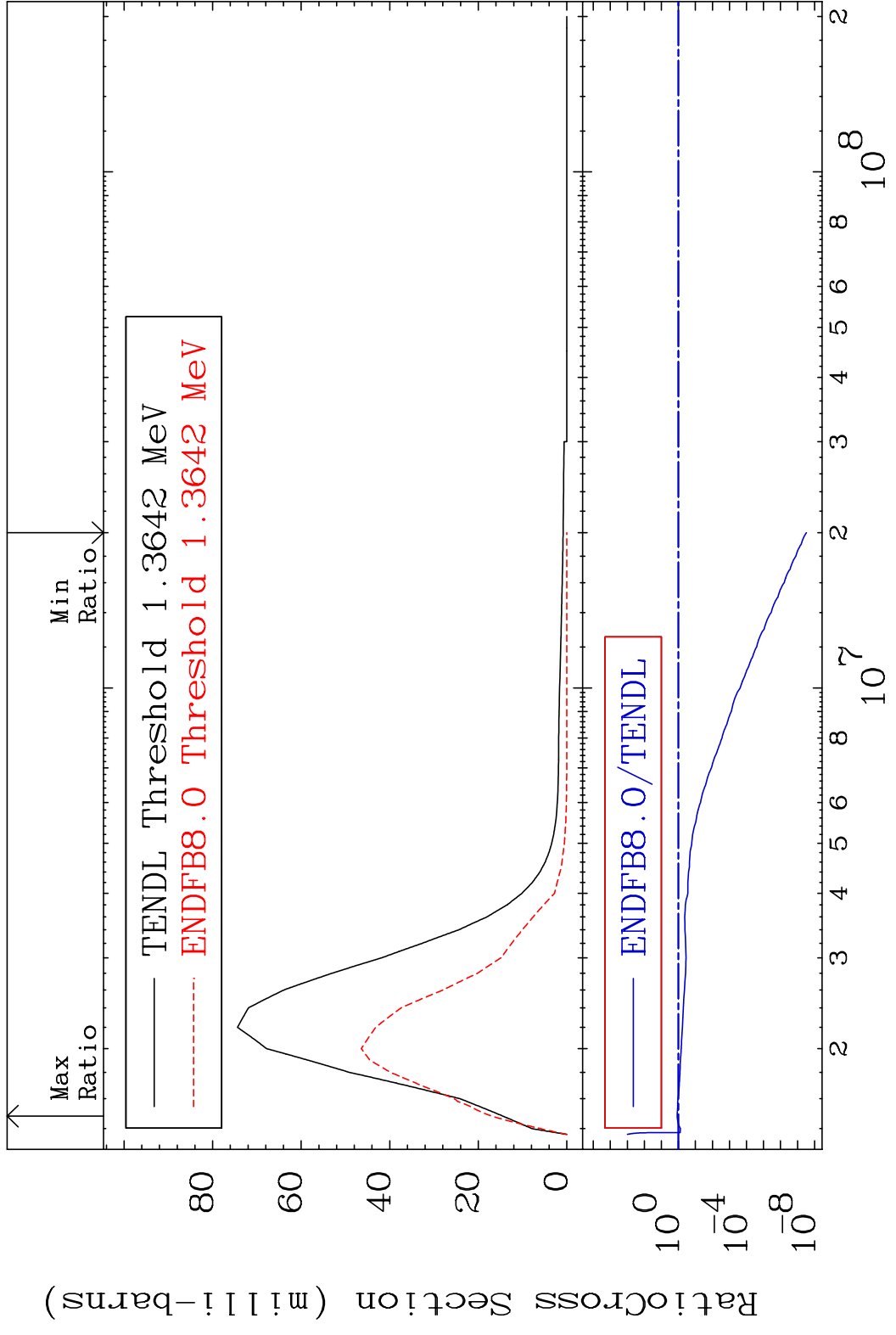
MAT 6437 MT= 63 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 50.33 %



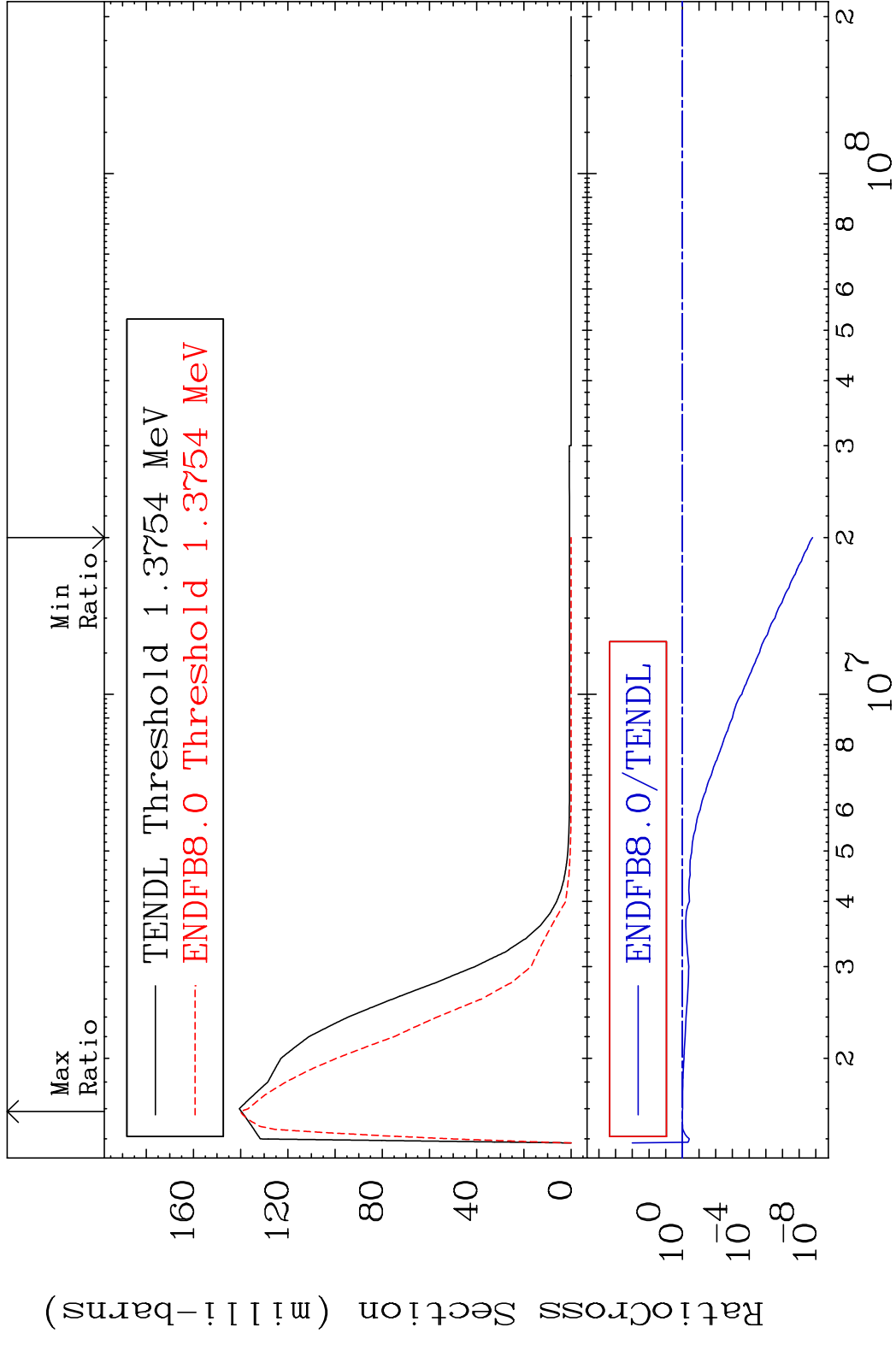
MAT 6437 MT= 64 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 18.85 %



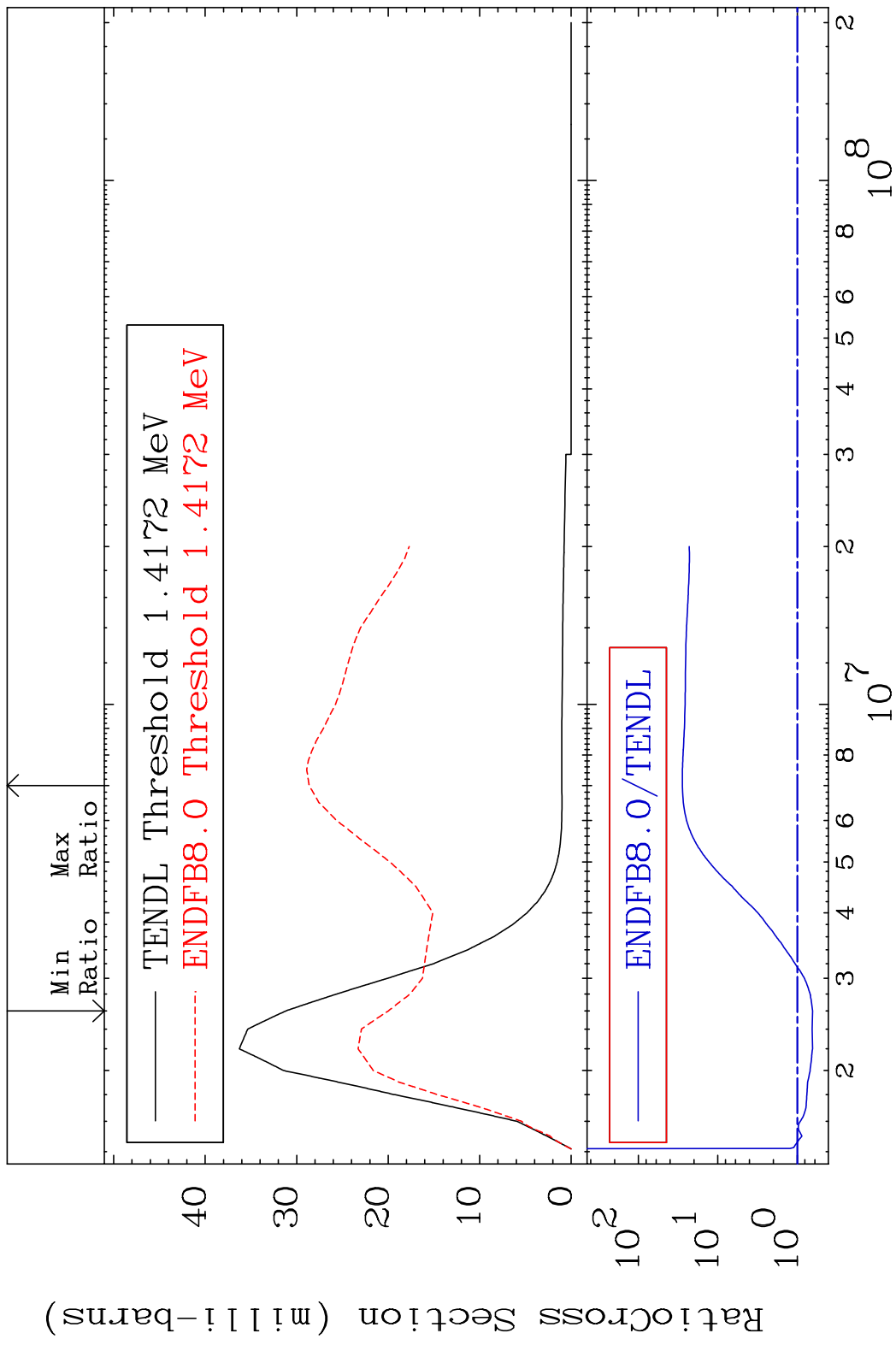
MAT 6437 MT= 65 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 17.78 %



MAT 6437 MT= 66 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 0.354 %



MAT 6437 MT= 67 (n, n') Level 64-Gd-156
 Cross Section -35.90 To 2698. %

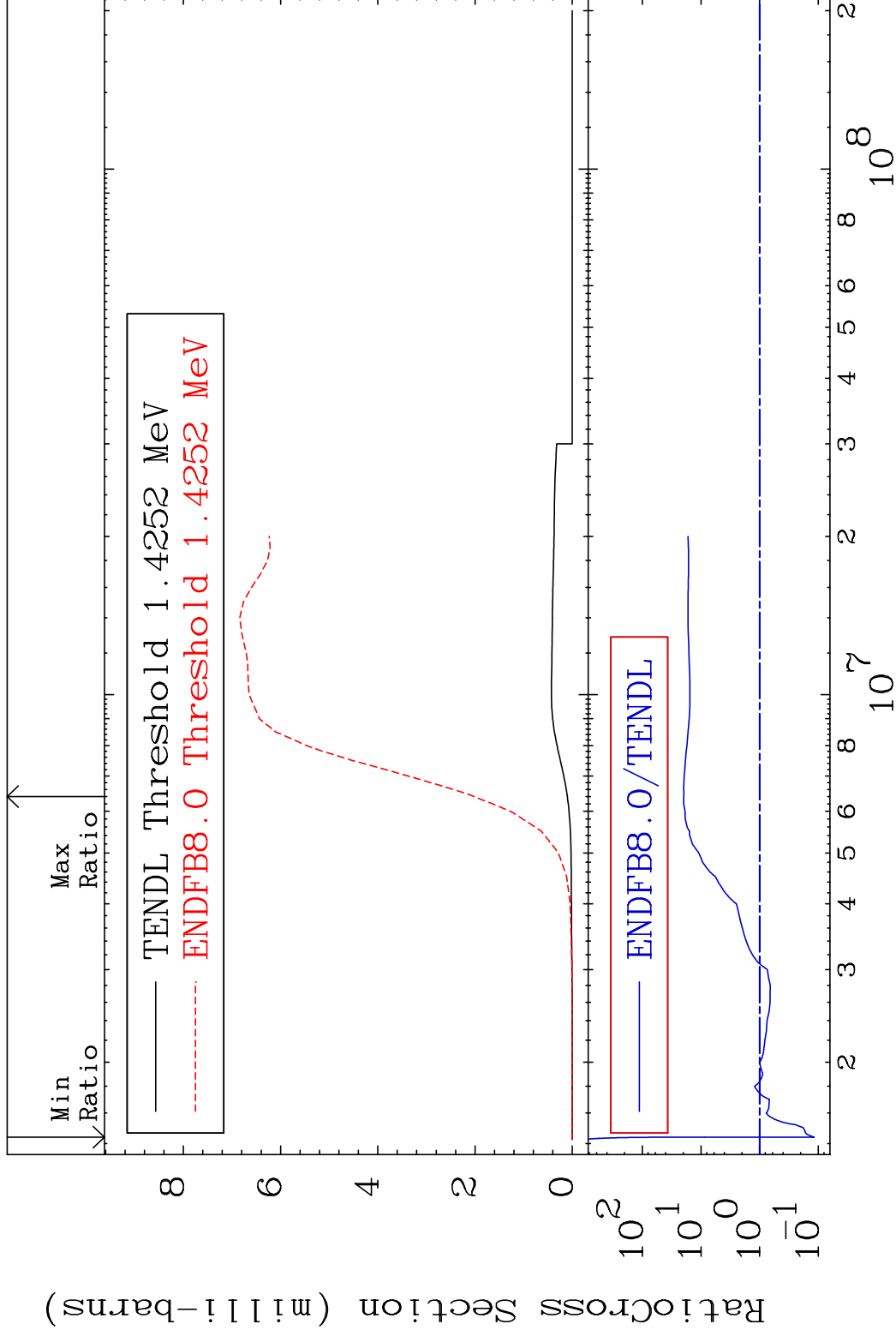


MAT 6437

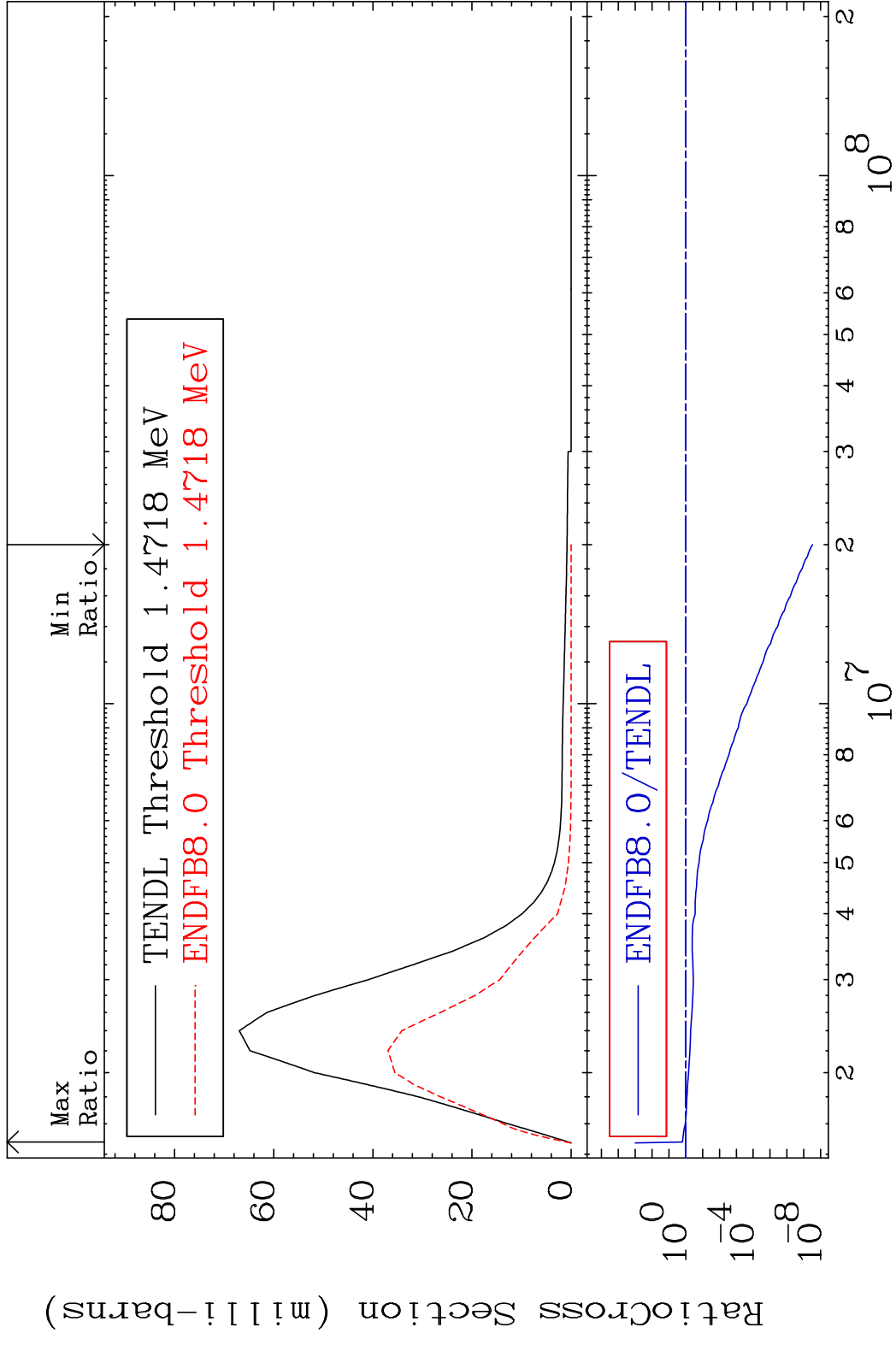
MT= 68 (n,n') Level

64-Gd-156

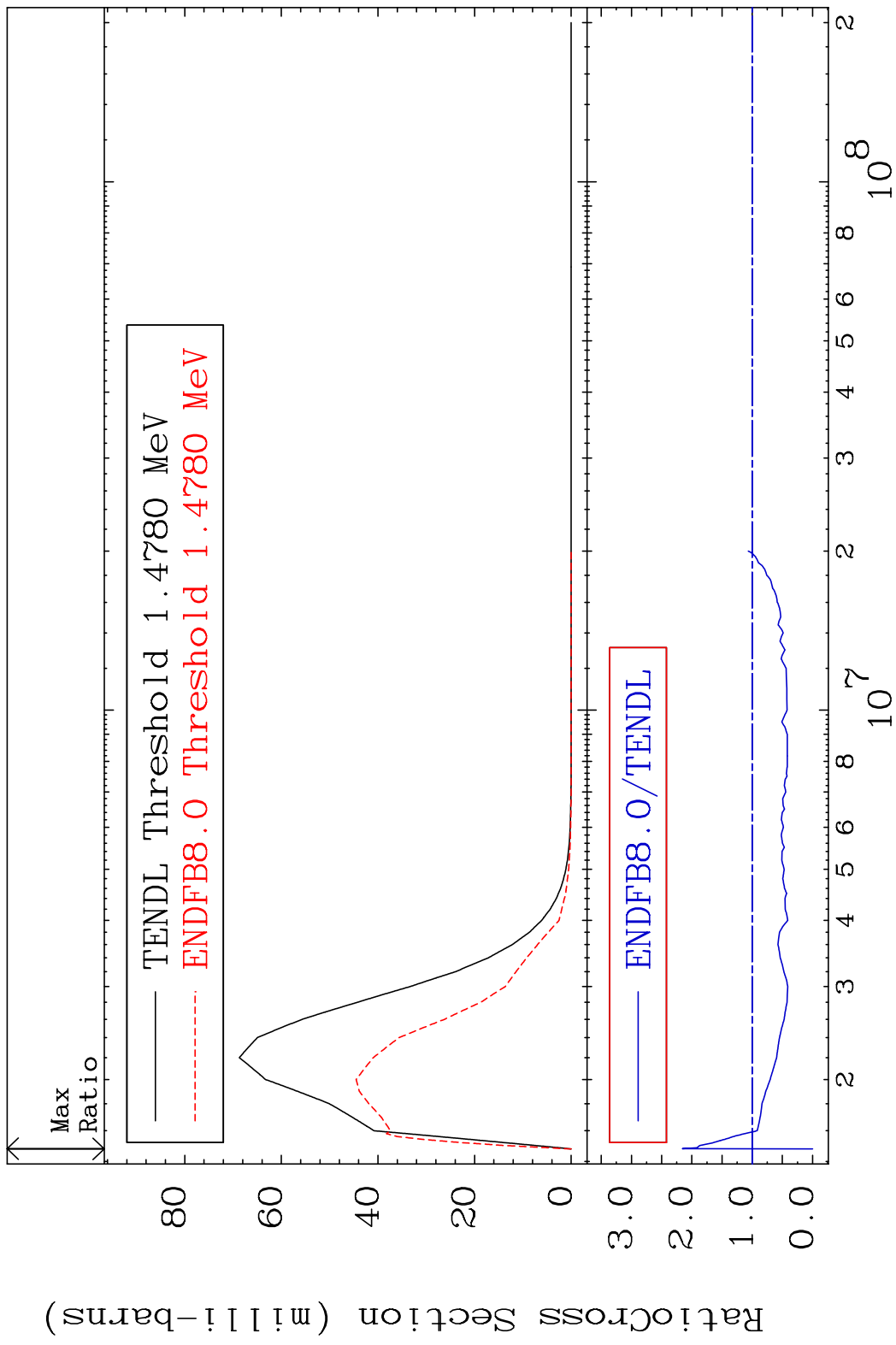
Cross Section -88.19 To 1873. %



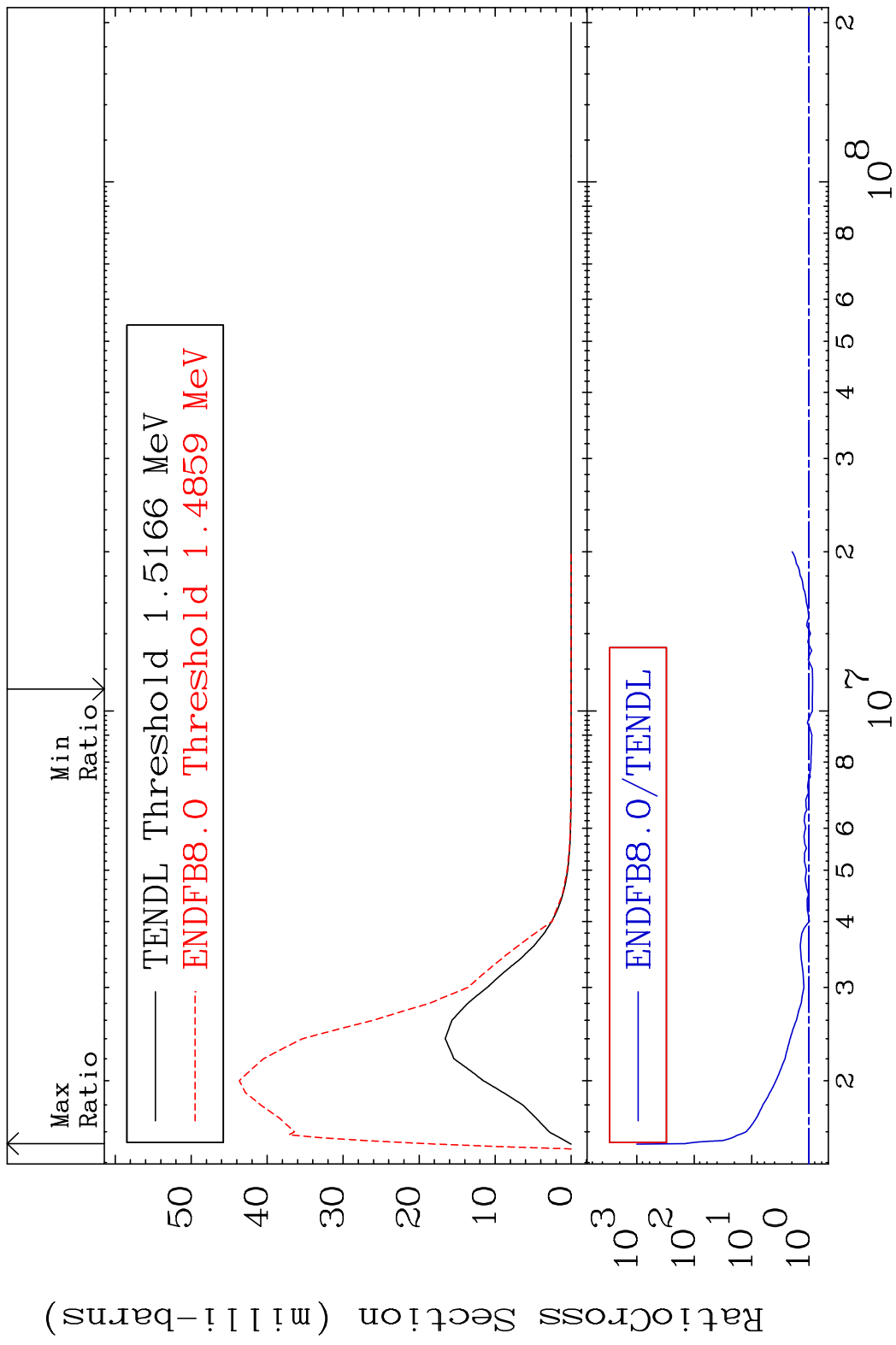
MAT 6437 MT= 69 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 58.98 %



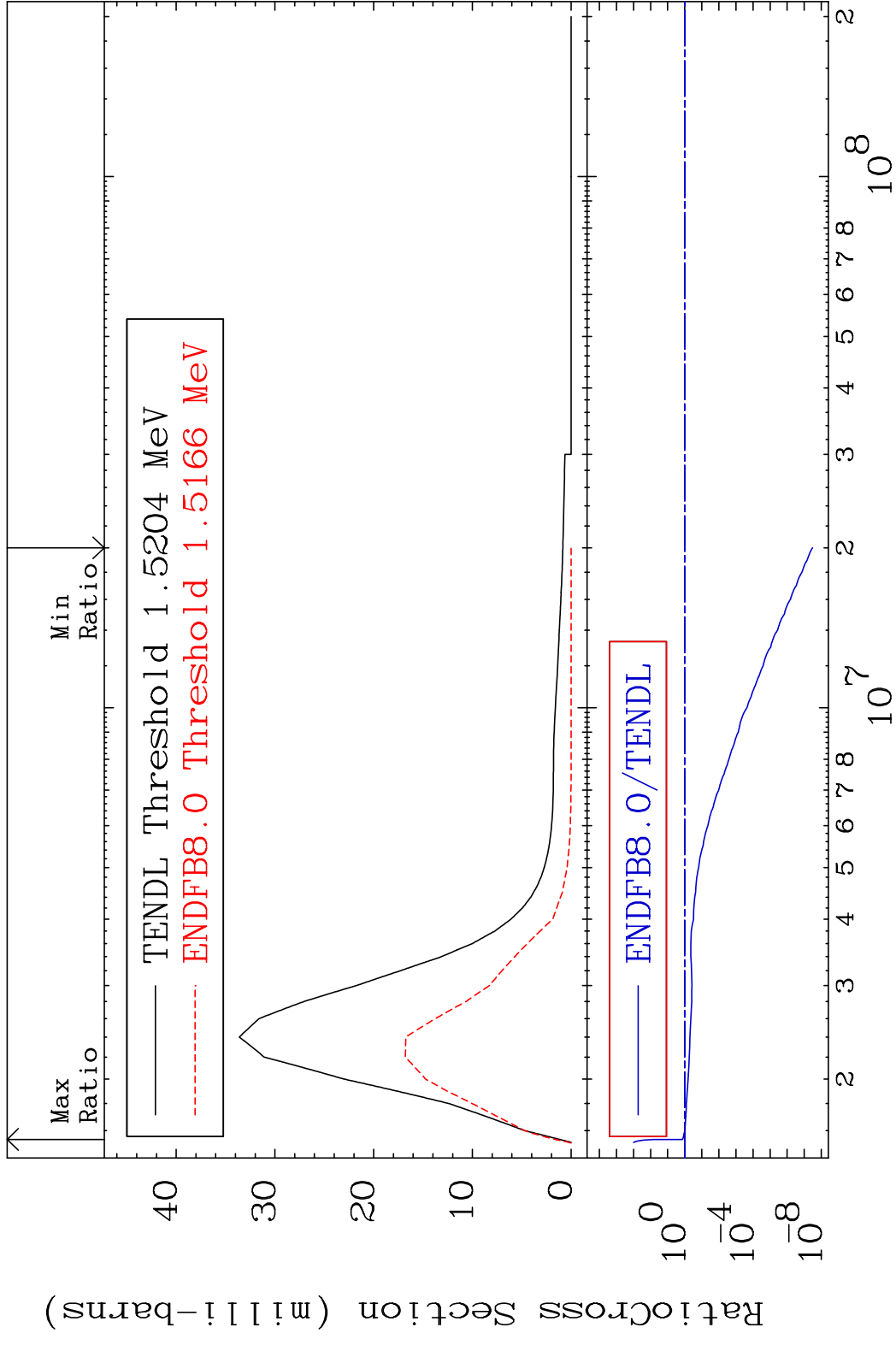
MAT 6437 MT= 70 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 115.7 %



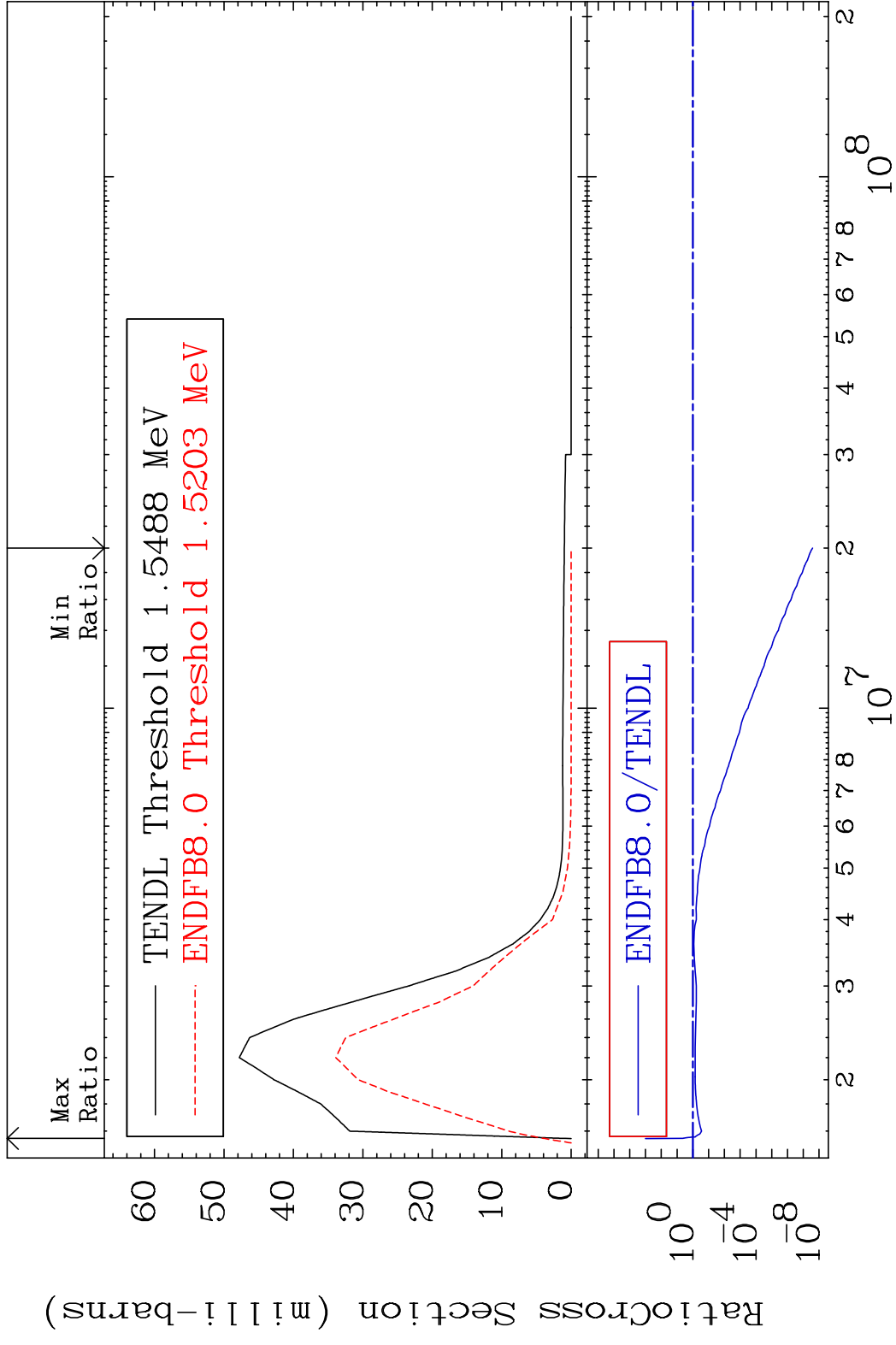
MAT 6437 MT= 71 (n,n') Level 64-Gd-156
 Cross Section -13.19 To 9999. %



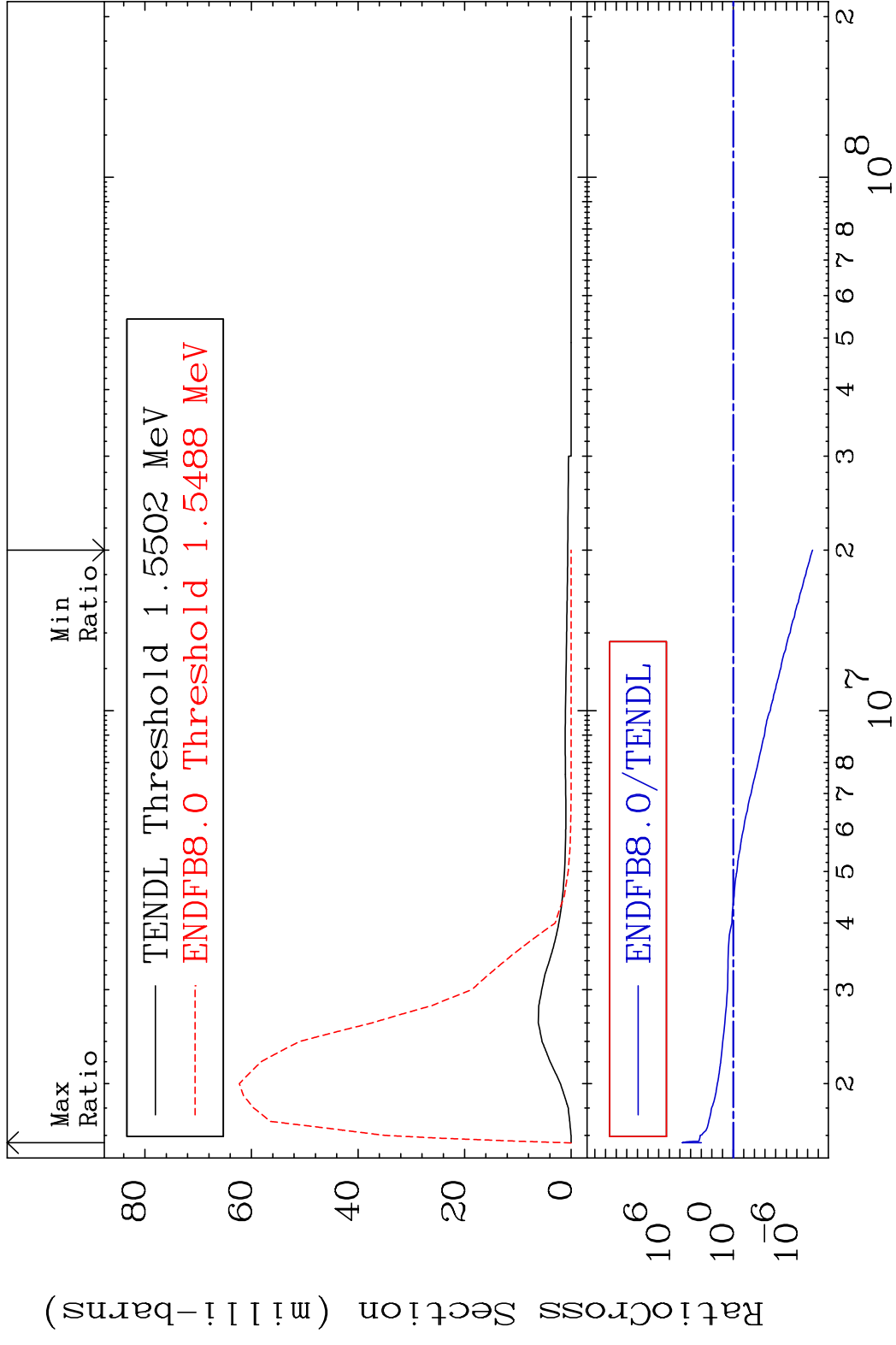
MAT 6437 MT= 72 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 38.00 %



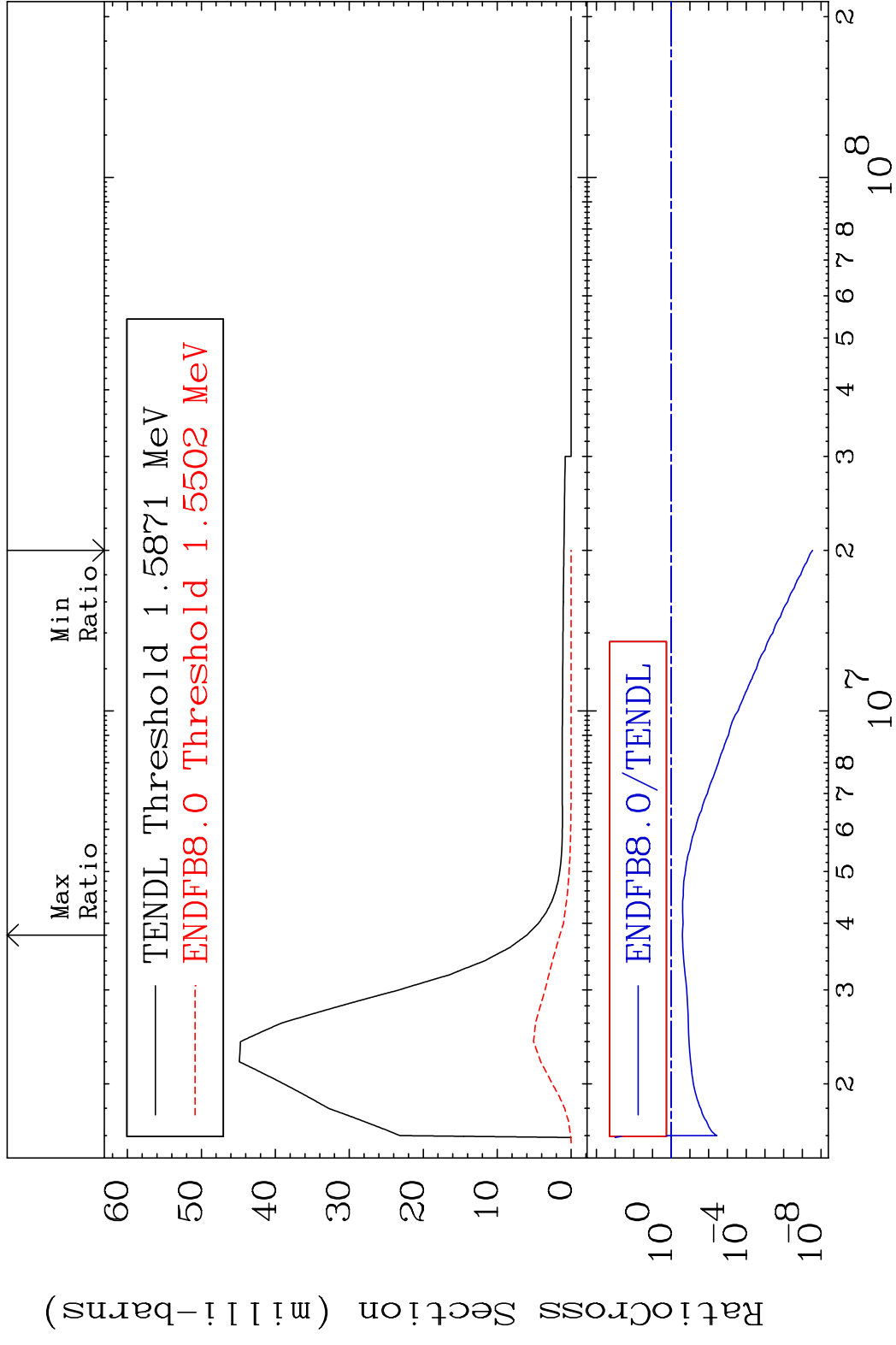
MAT 6437 MT= 73 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 362.4 %



MAT 6437 MT= 74 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



MAT 6437 MT= 75 (n,n') Level 64-Gd-156
 Cross Section -100.0 To -74.42%

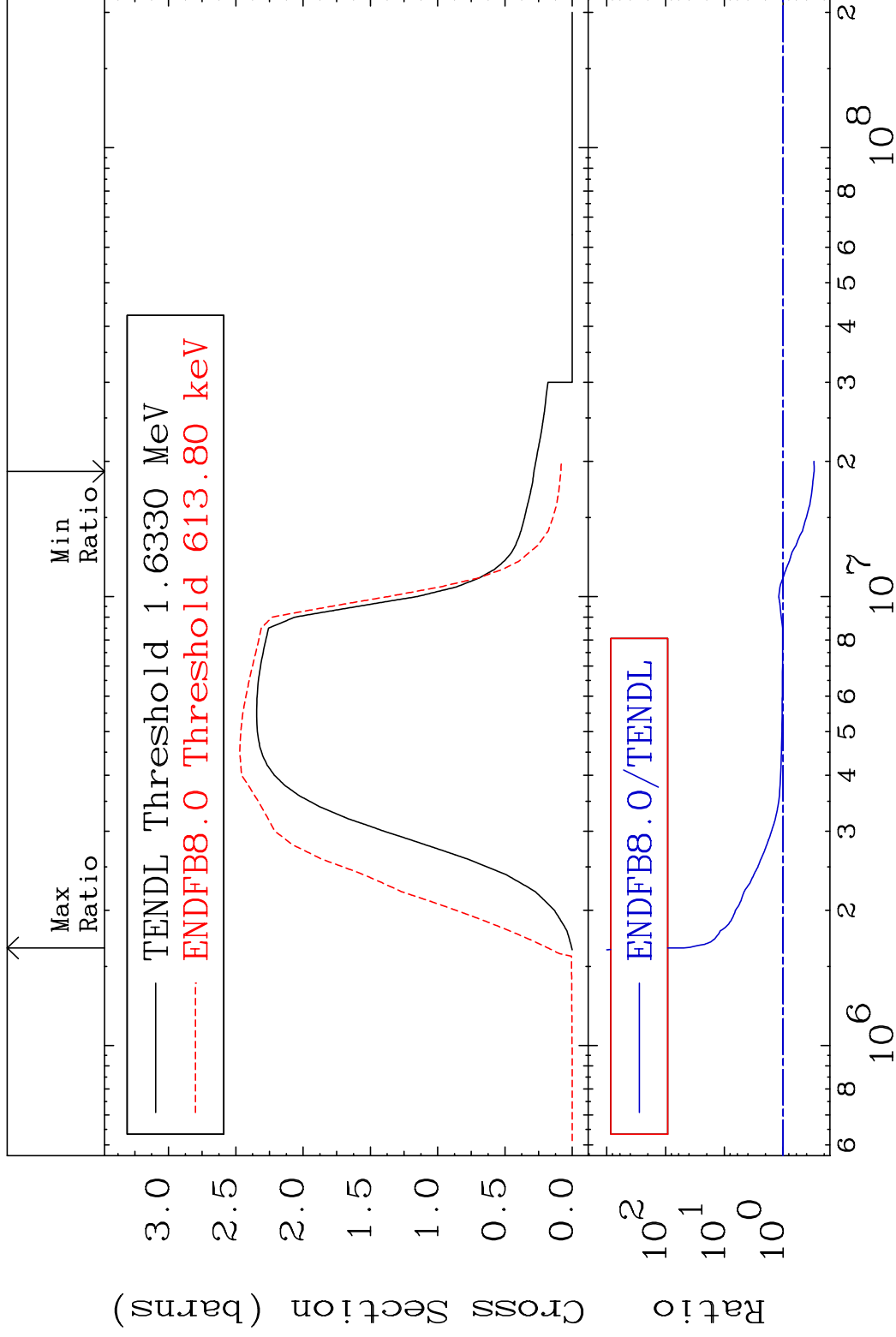


MAT 6437

(n, n') Continuum

64-Gd-156

Cross Section -70.20 To 4828. %



35

Incident Energy (eV)

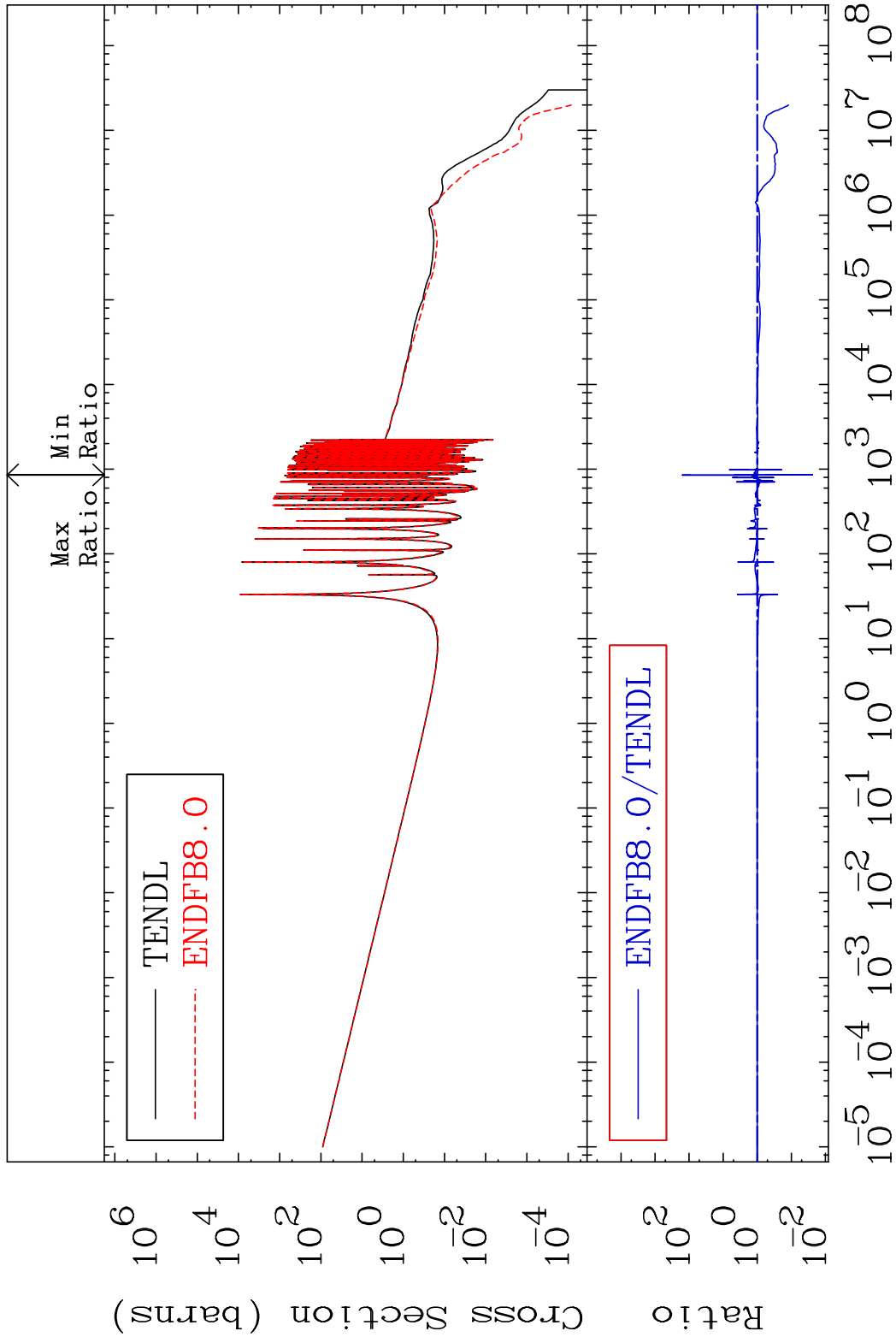
64-Gd-156

MAT 6437

(n, γ)

64-Gd-156

Cross Section -97.62 To 9999. %



36

Incident Energy (eV)

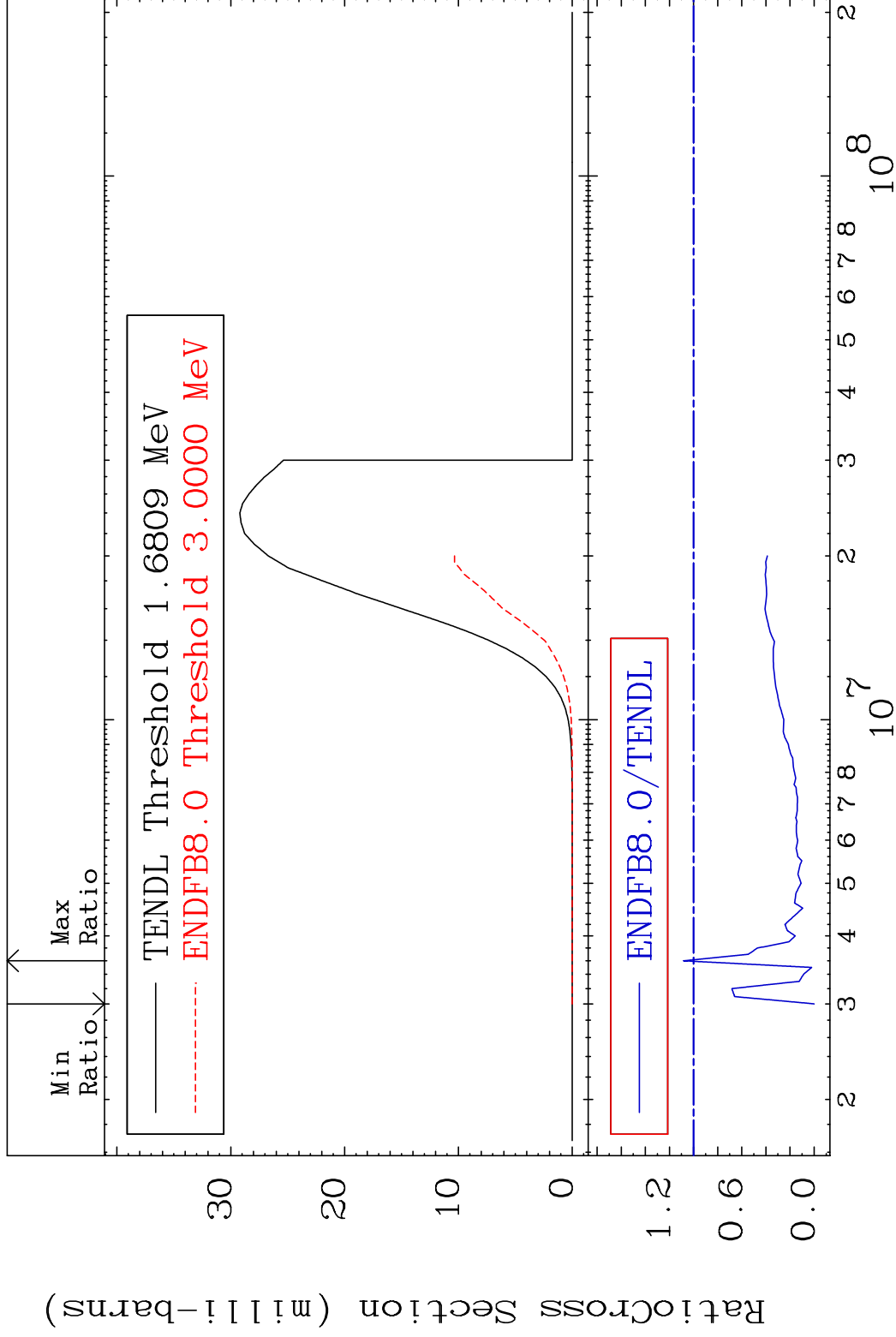
64-Gd-156

MAT 6437

(n, p)

64-Gd-156

Cross Section -100.0 To 8.200 %



37

Incident Energy (eV)

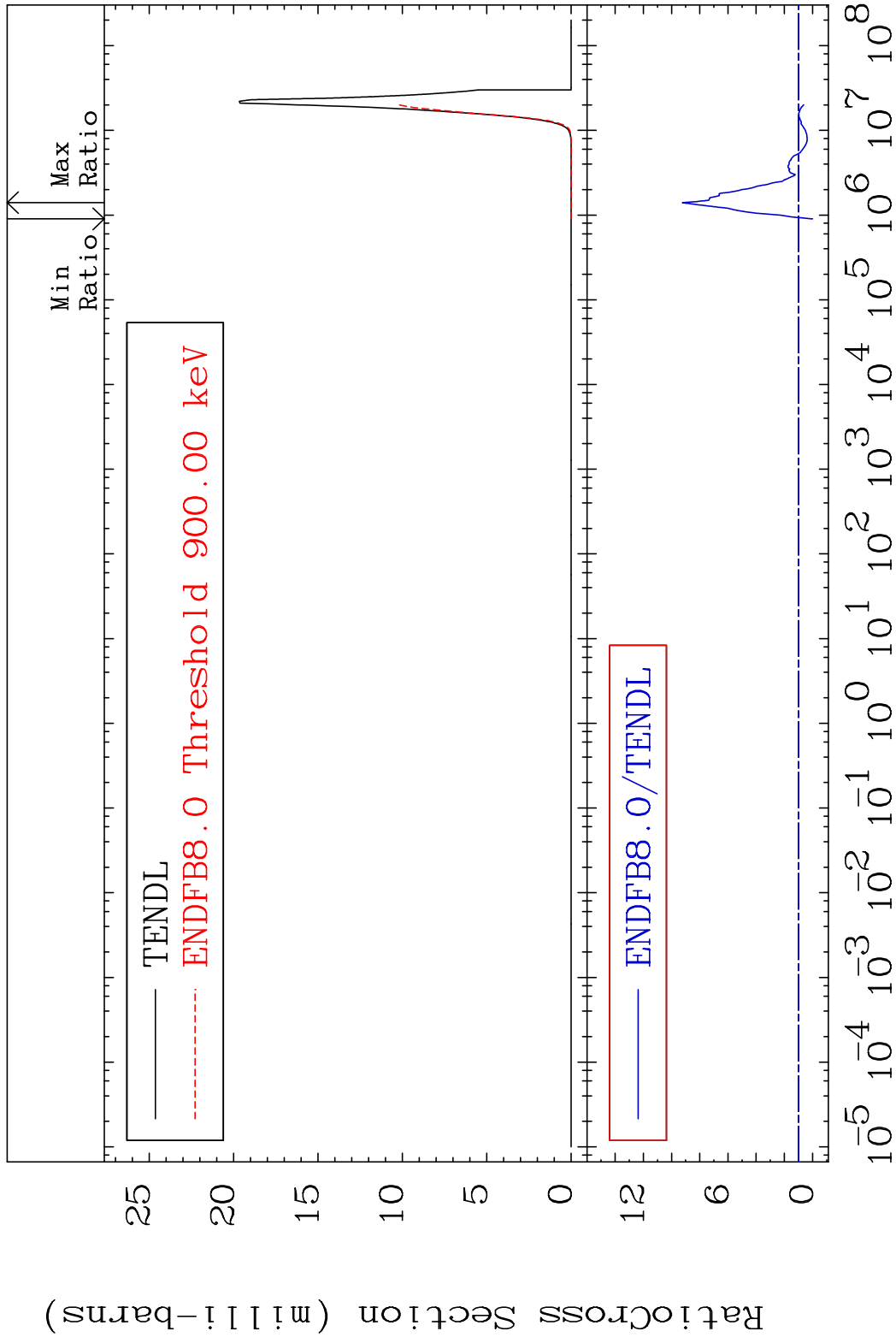
64-Gd-156

MAT 6437

(n, α)

64-Gd-156

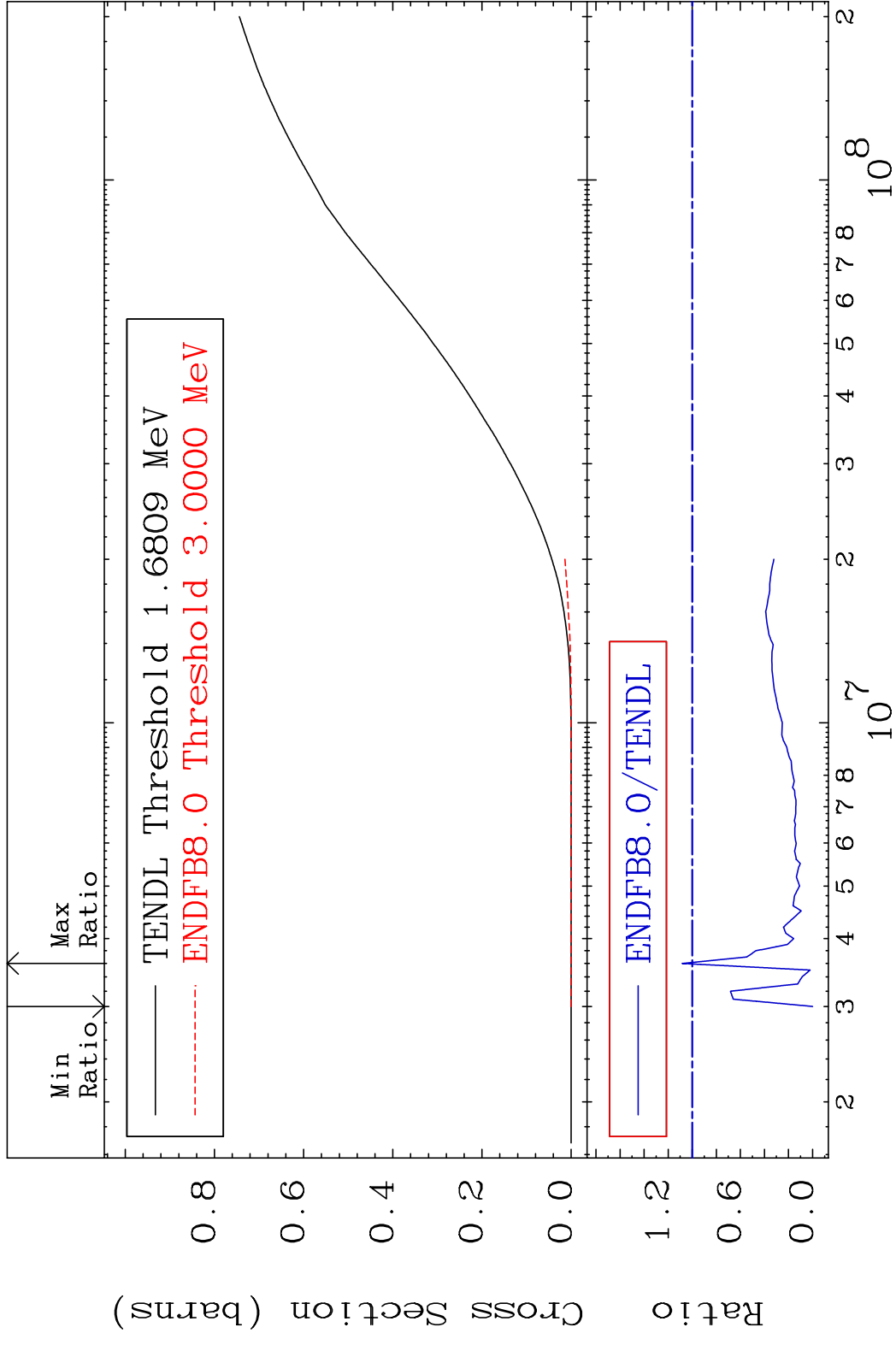
Cross Section -100.0 To 823.5 %



38

Incident Energy (eV)

64-Gd-156

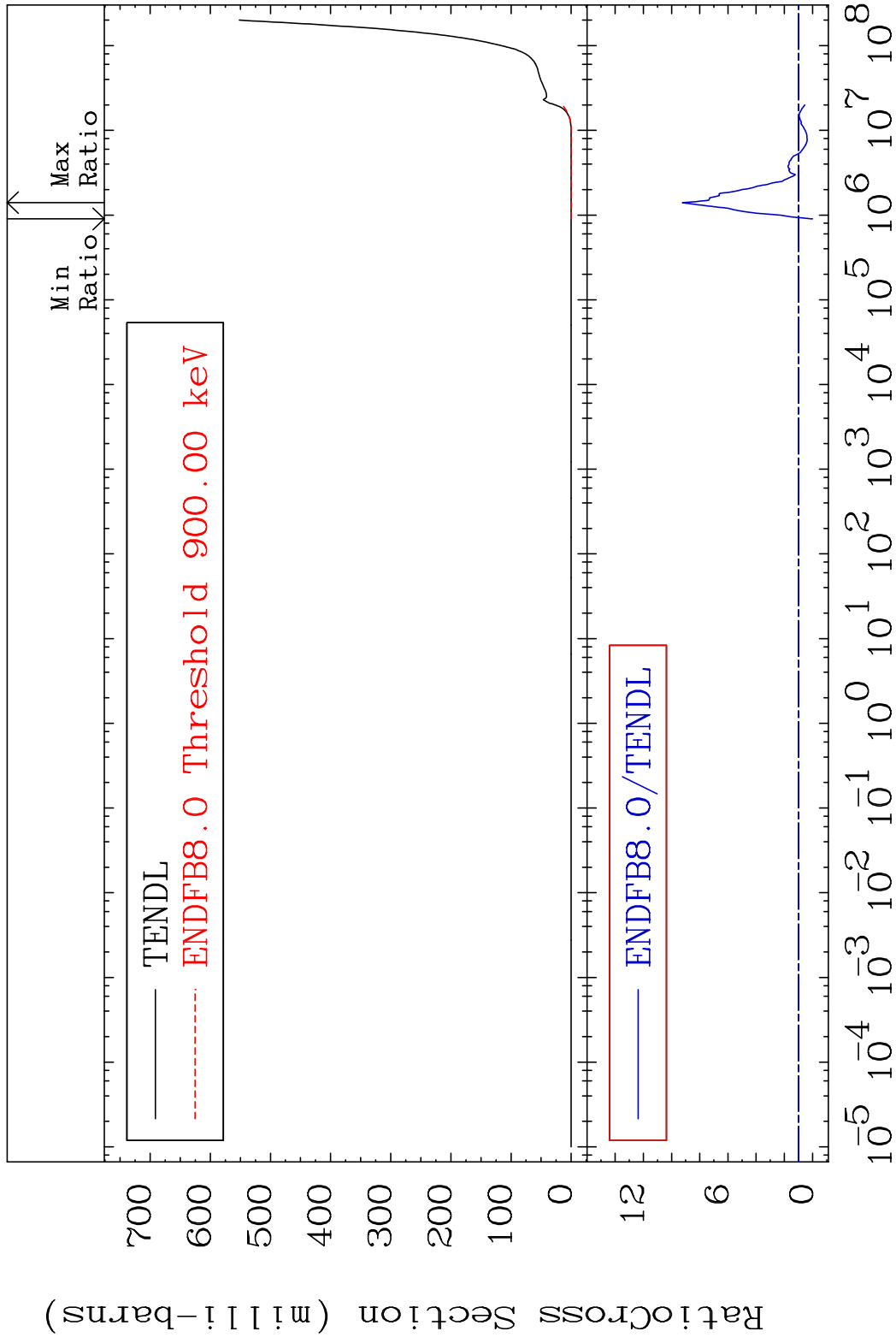


MAT 6437

He-4 Production

64-Gd-156

Cross Section -100.0 To 823.5 %

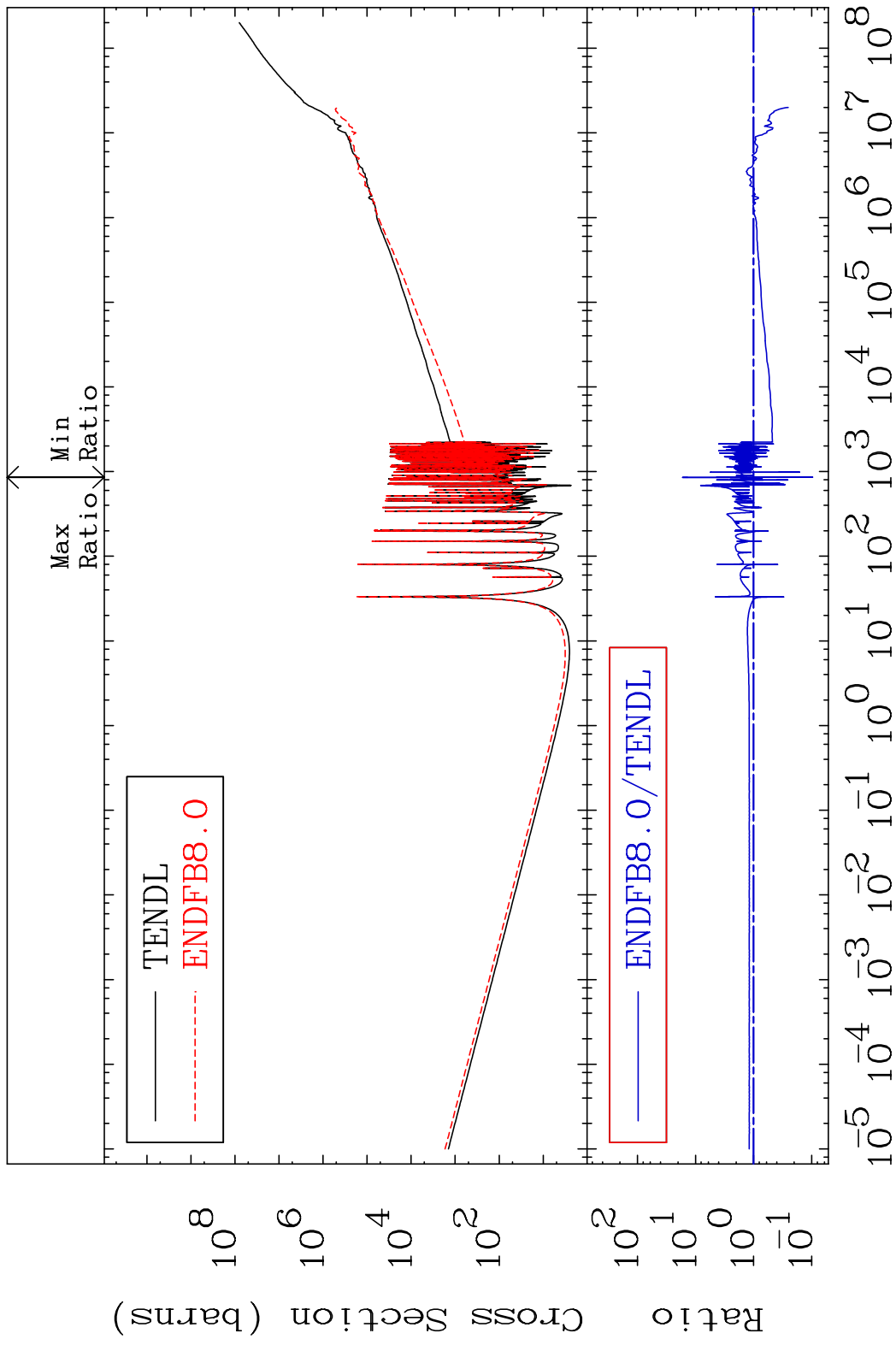


40

Incident Energy (eV)

64-Gd-156

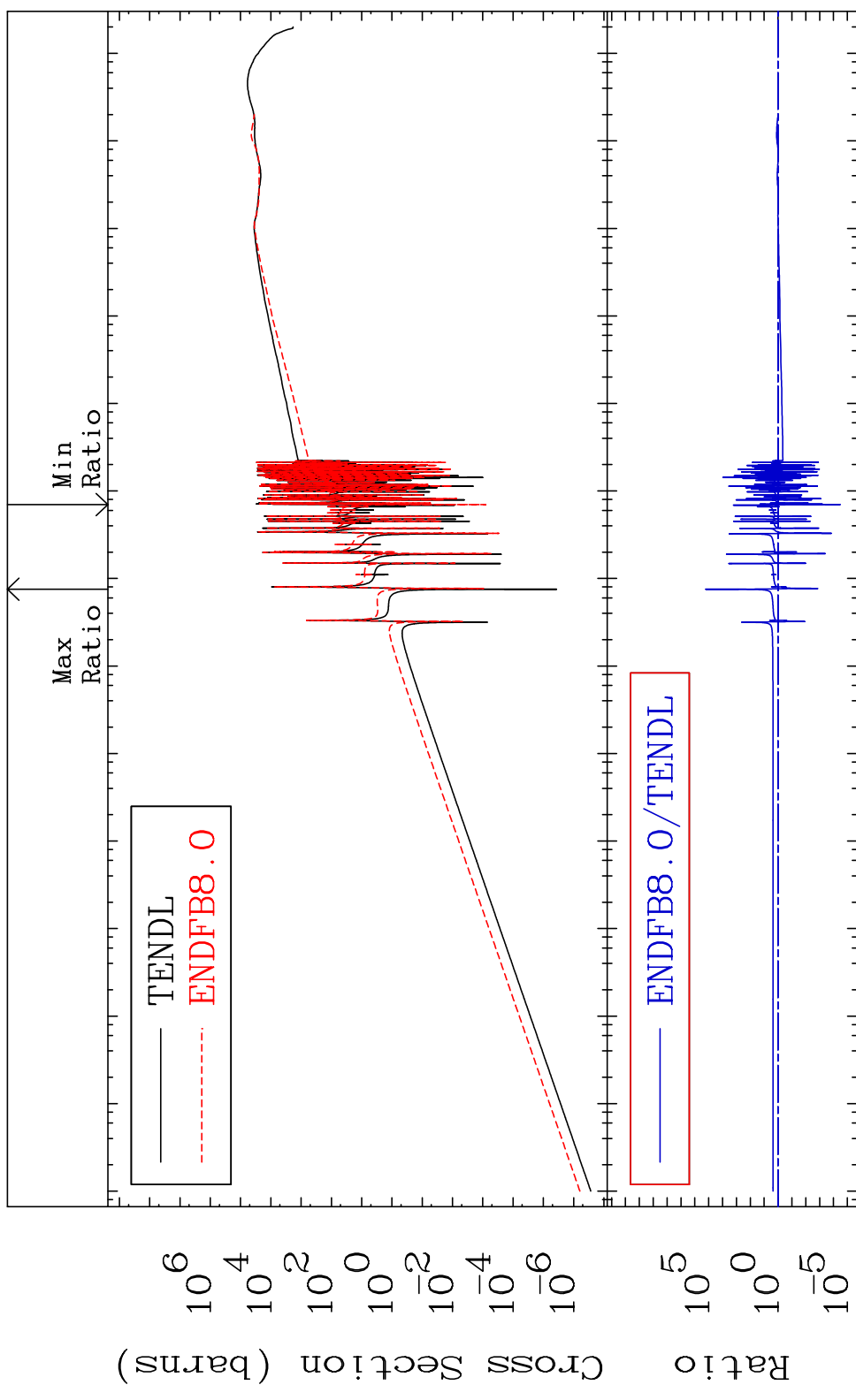
MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section -90.34 To 1586. %



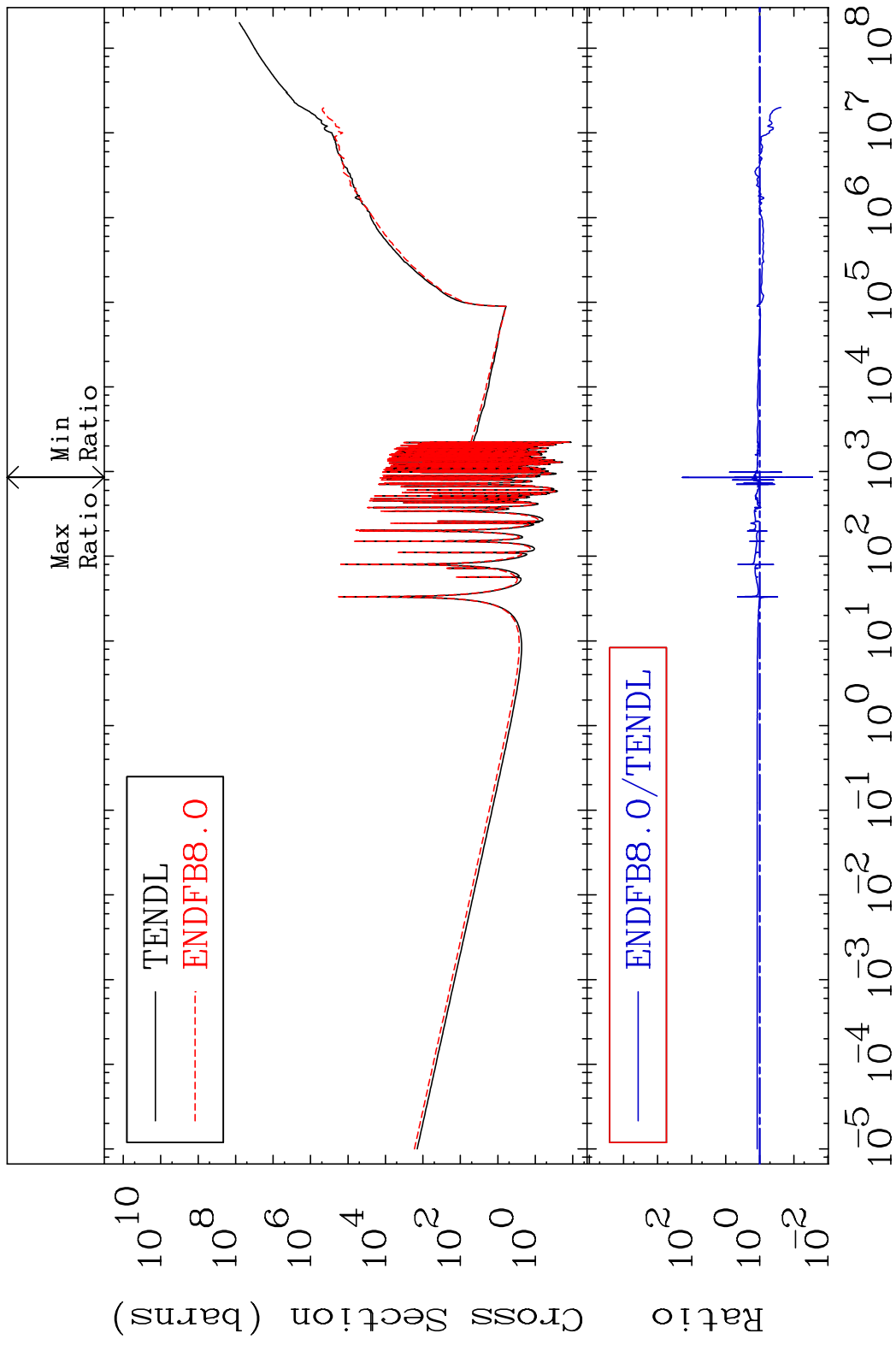
MAT 6437

Kerma elastic
Cross Section -100.0 To 9999. %

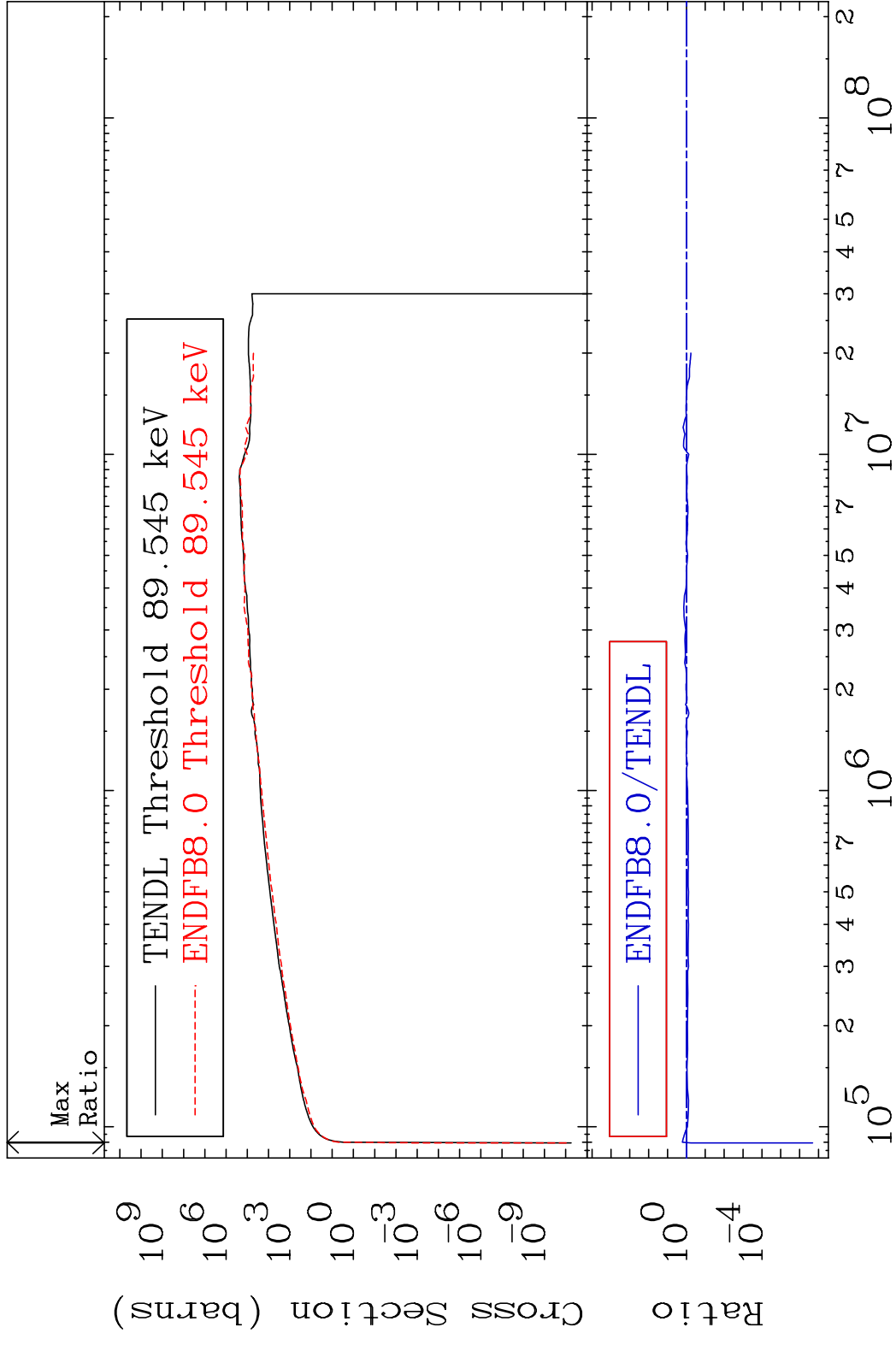
64-Gd-156



MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 Cross Section -97.18 To 9999. %

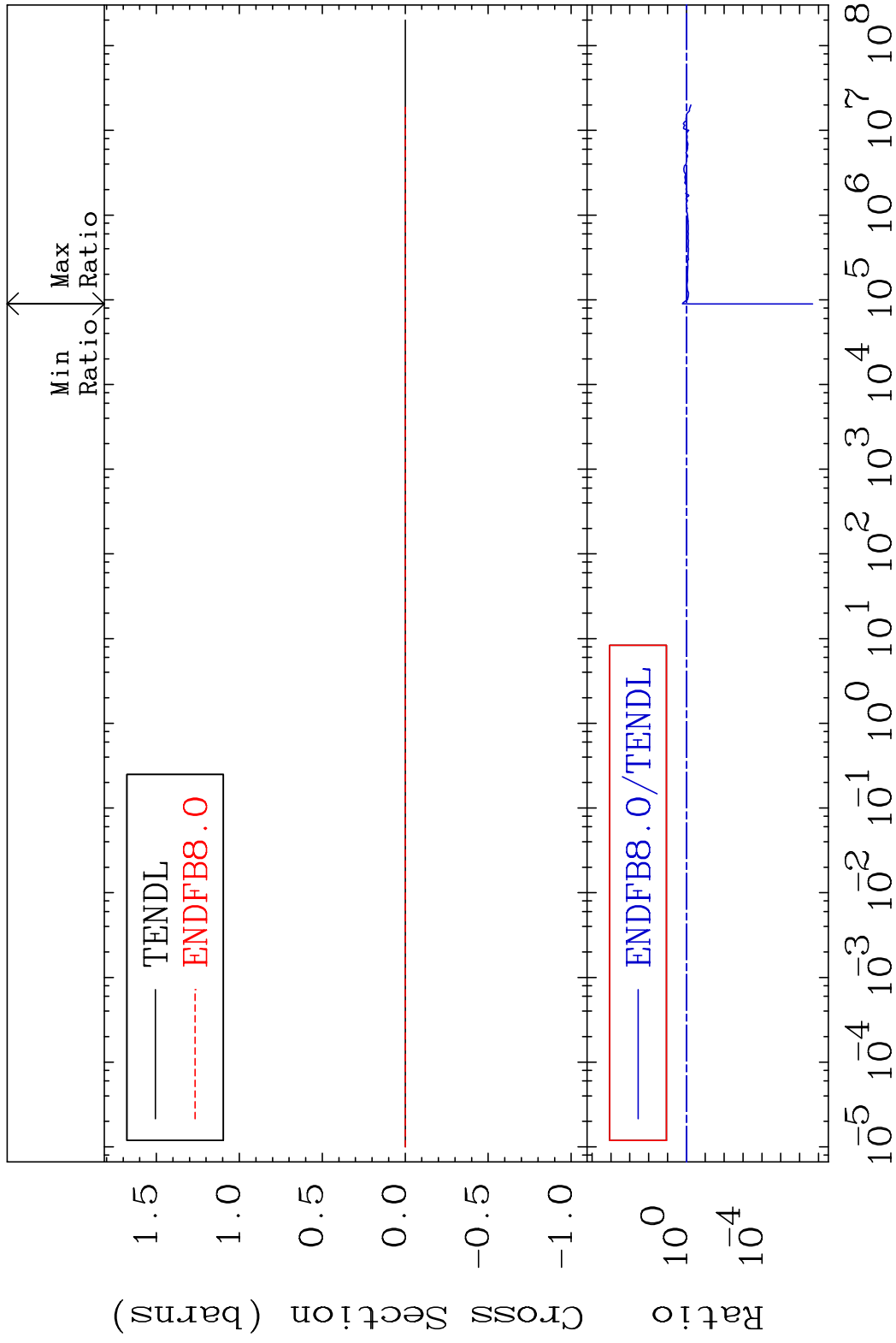


MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 63.89 %



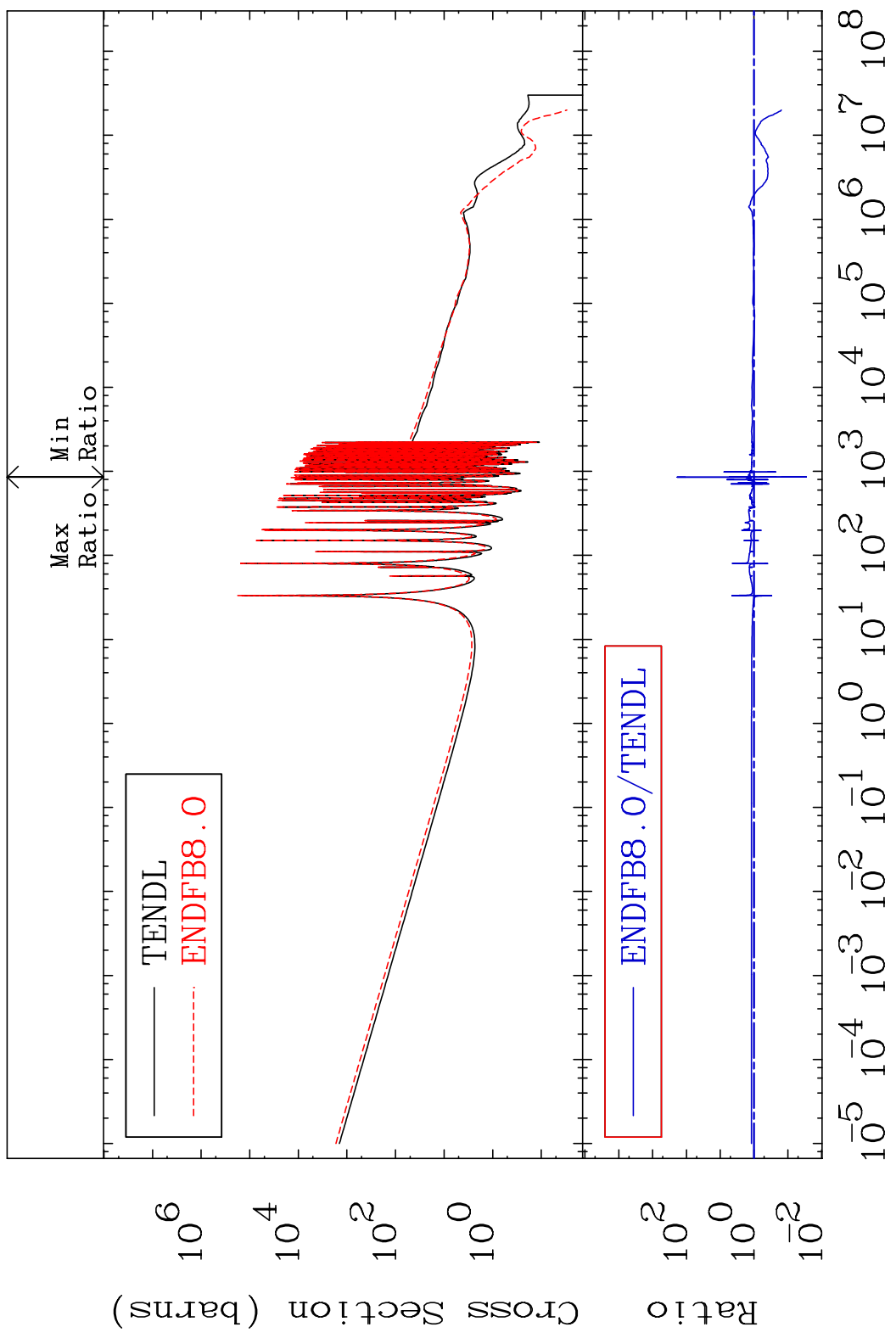
44 Incident Energy (eV) 64-Gd-156

MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section -100.0 To 63.89 %



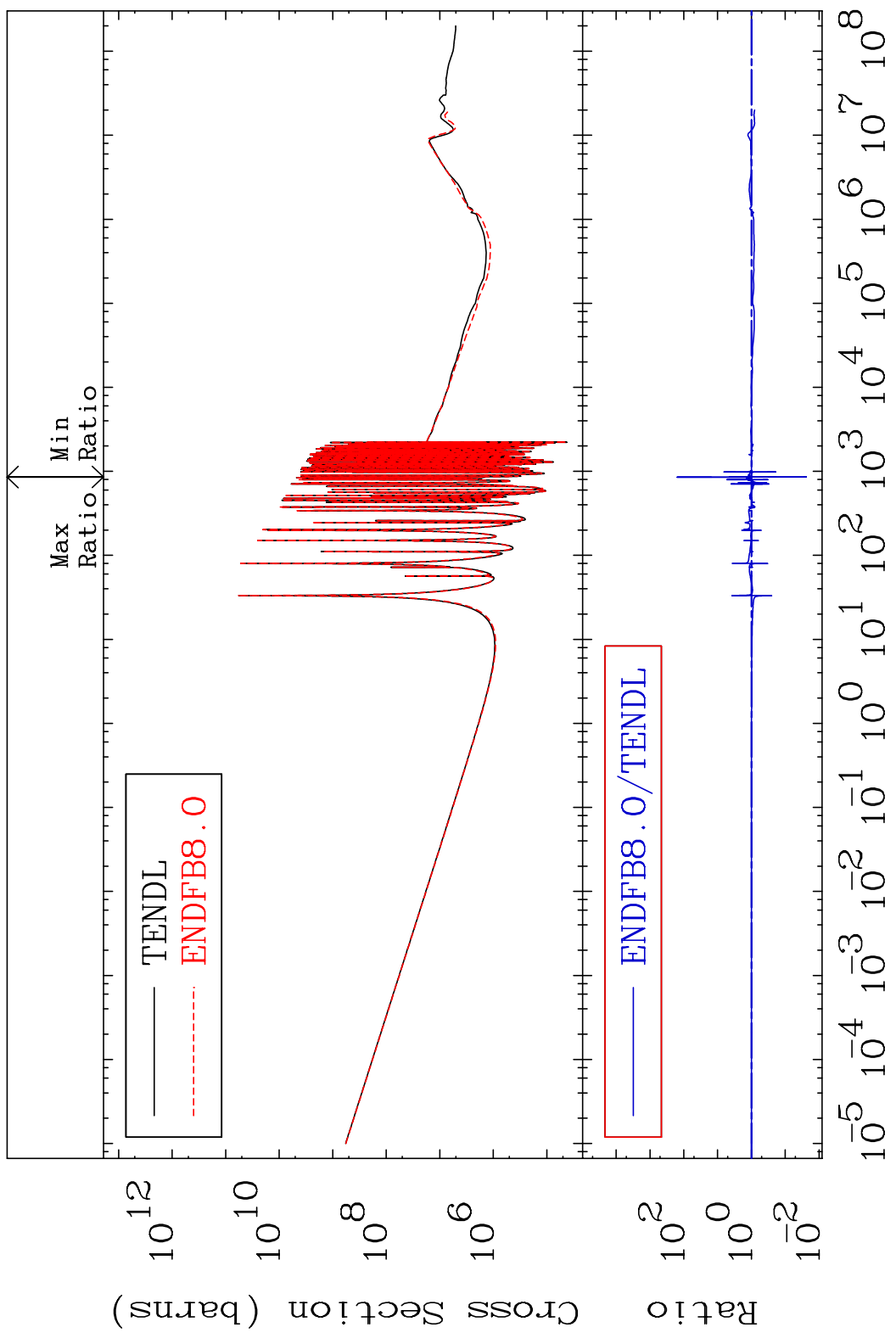
MAT 6437

Kerma capture (mt102) 64-Gd-156
Cross Section -97.18 To 9999. %



MAT 6437

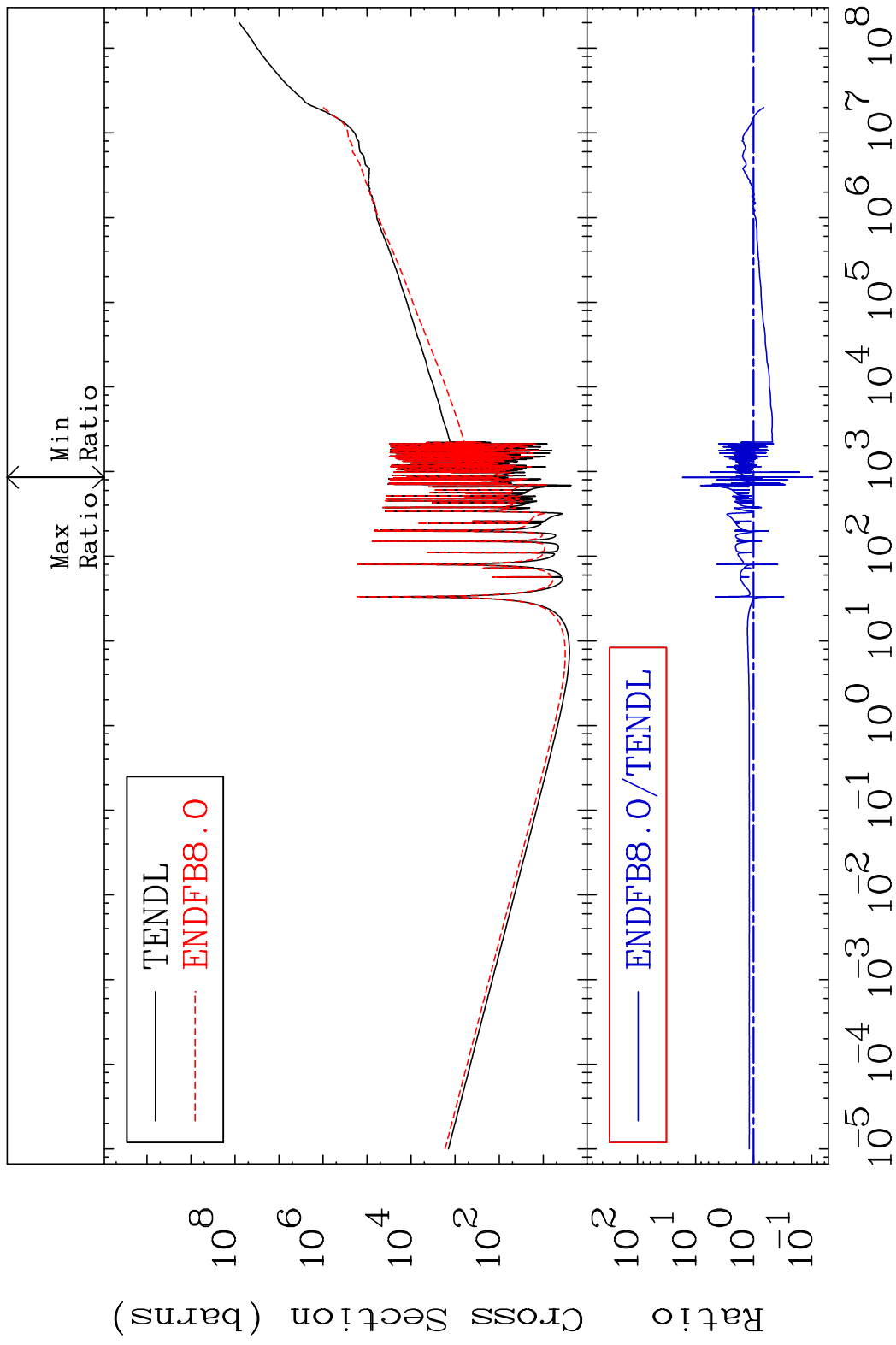
Total photon (eV-barns) 64-Gd-156
Cross Section -97.64 To 9999. %



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Incident Energy (eV) 64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -90.34 To 1586. %

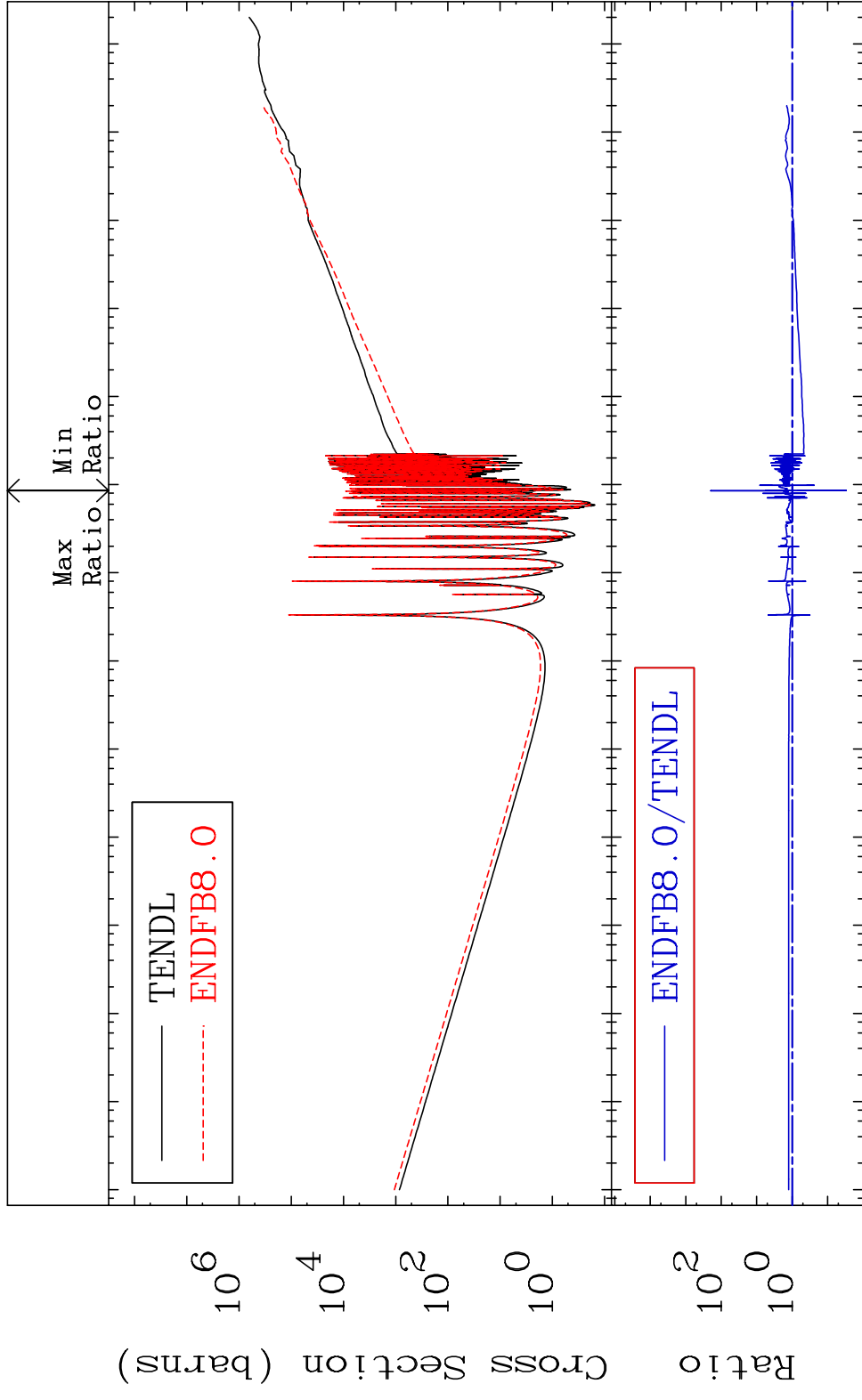


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -97.02 To 9999. %



49

Incident Energy (eV)

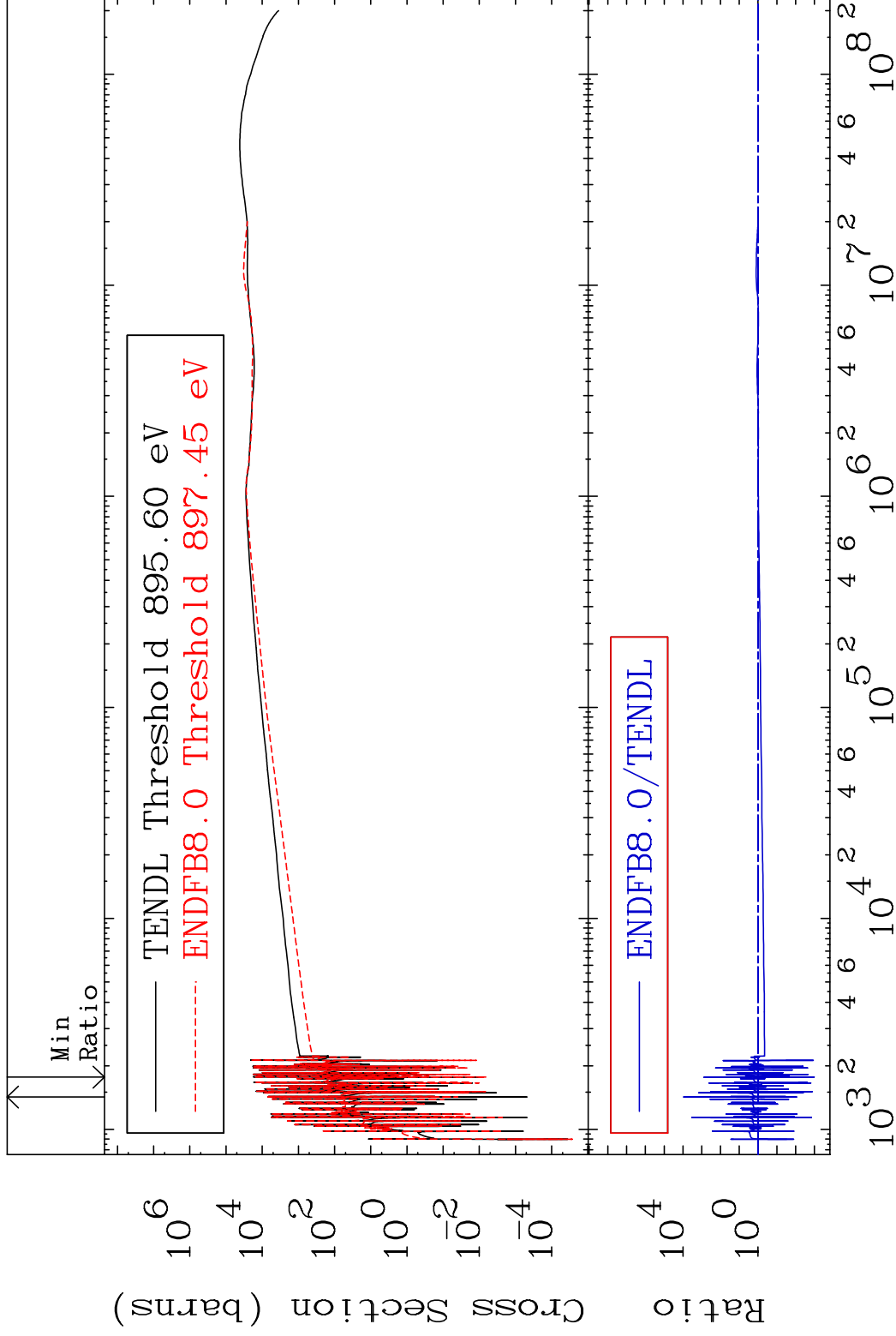
64-Gd-156

MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -99.90 To 9999. %

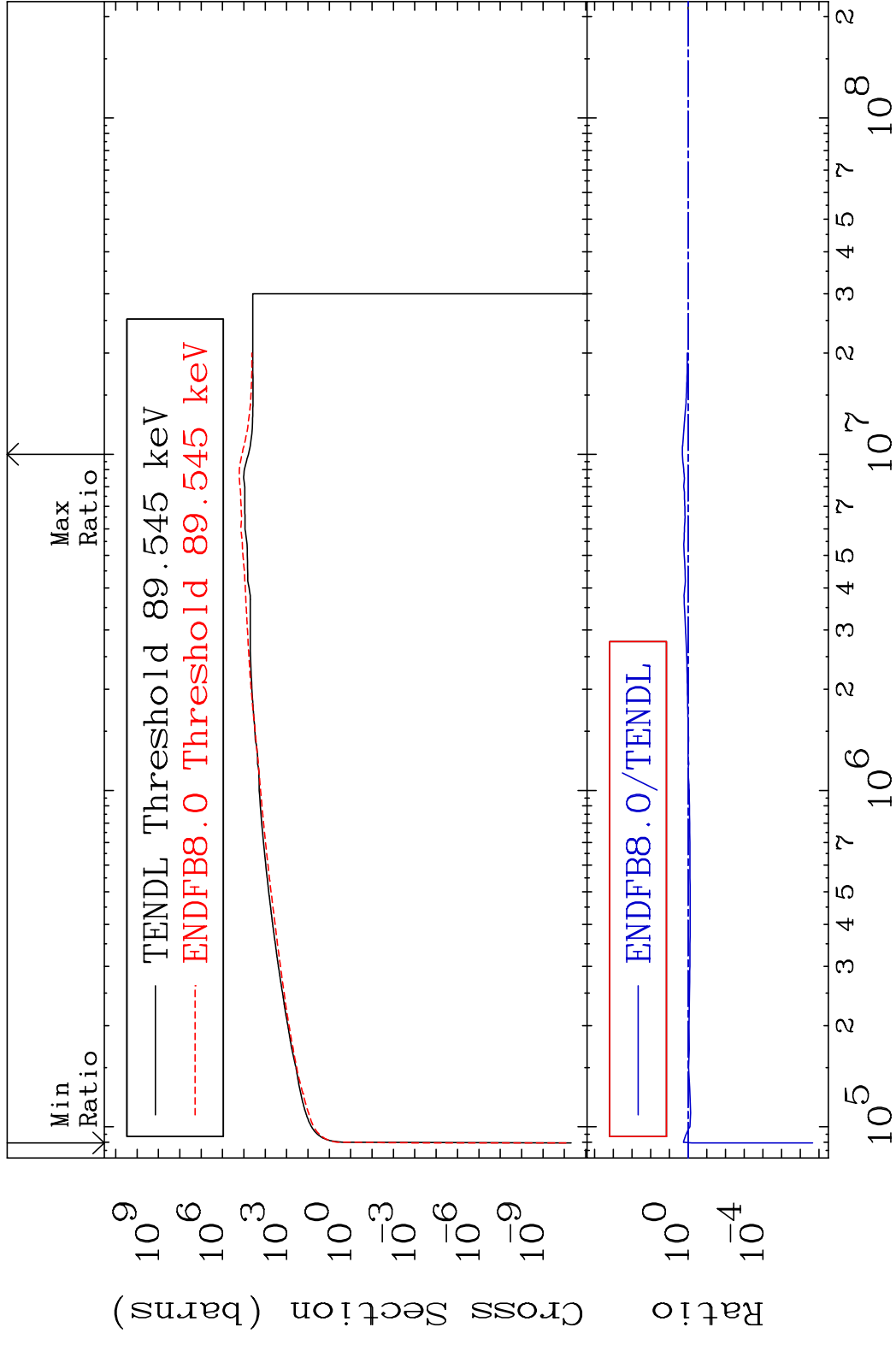


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Incident Energy (eV)

64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 101.7 %



MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -97.02 To 9999. %

