

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

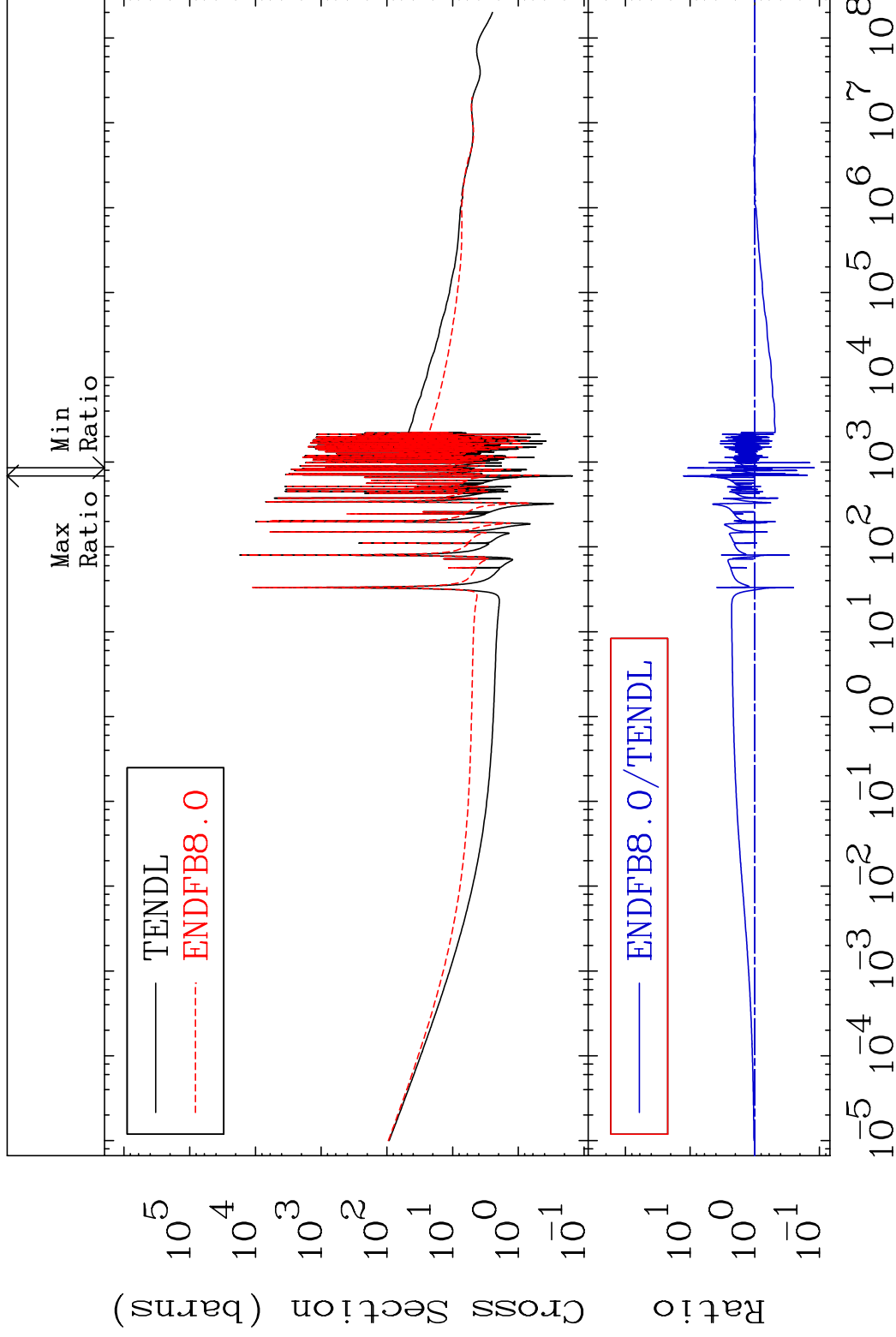
MAT 6437

Total

64-Gd-156

Cross Section

-87.91 To 1158. %



1

Incident Energy (eV)

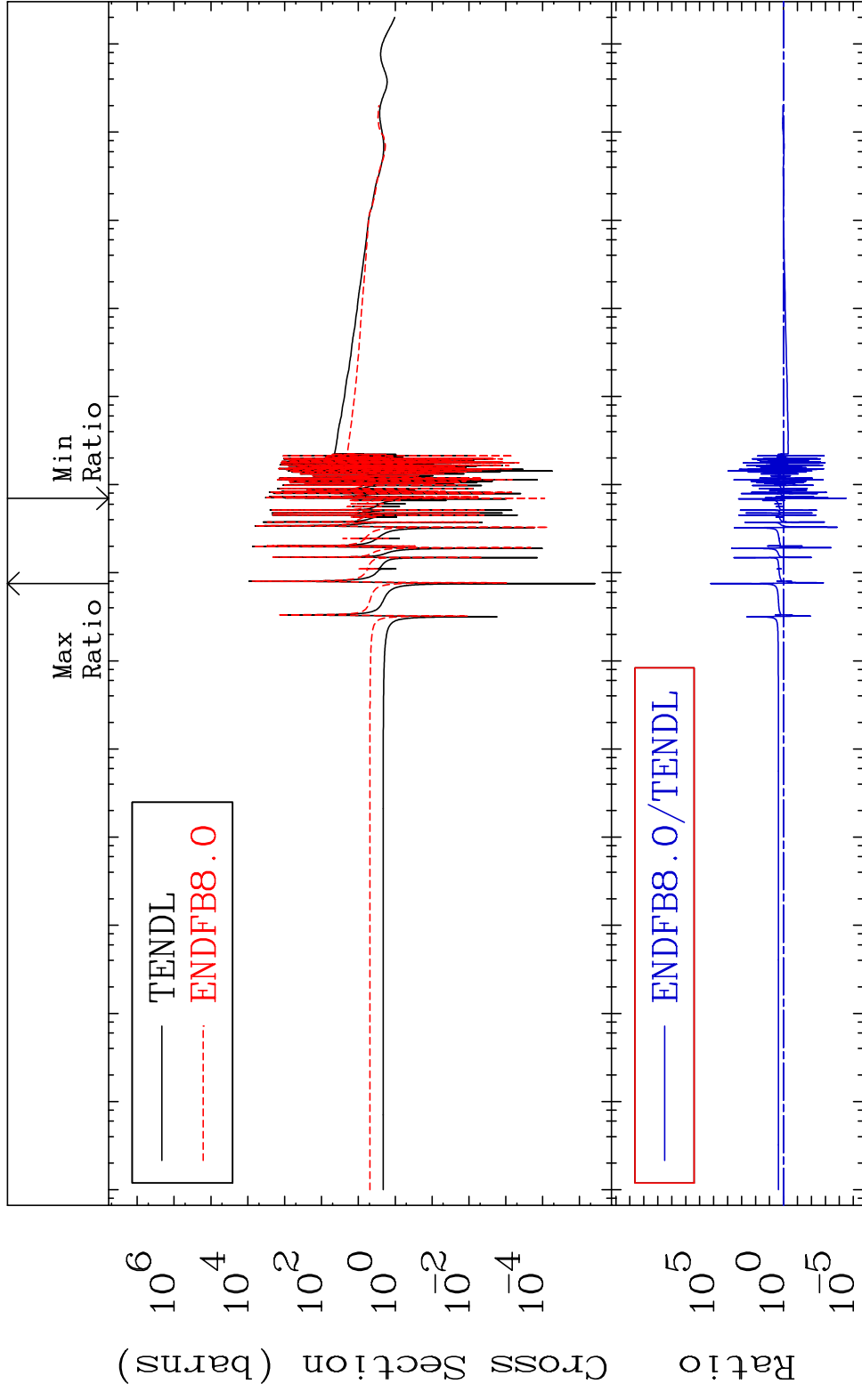
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -100.0 To 9999. %



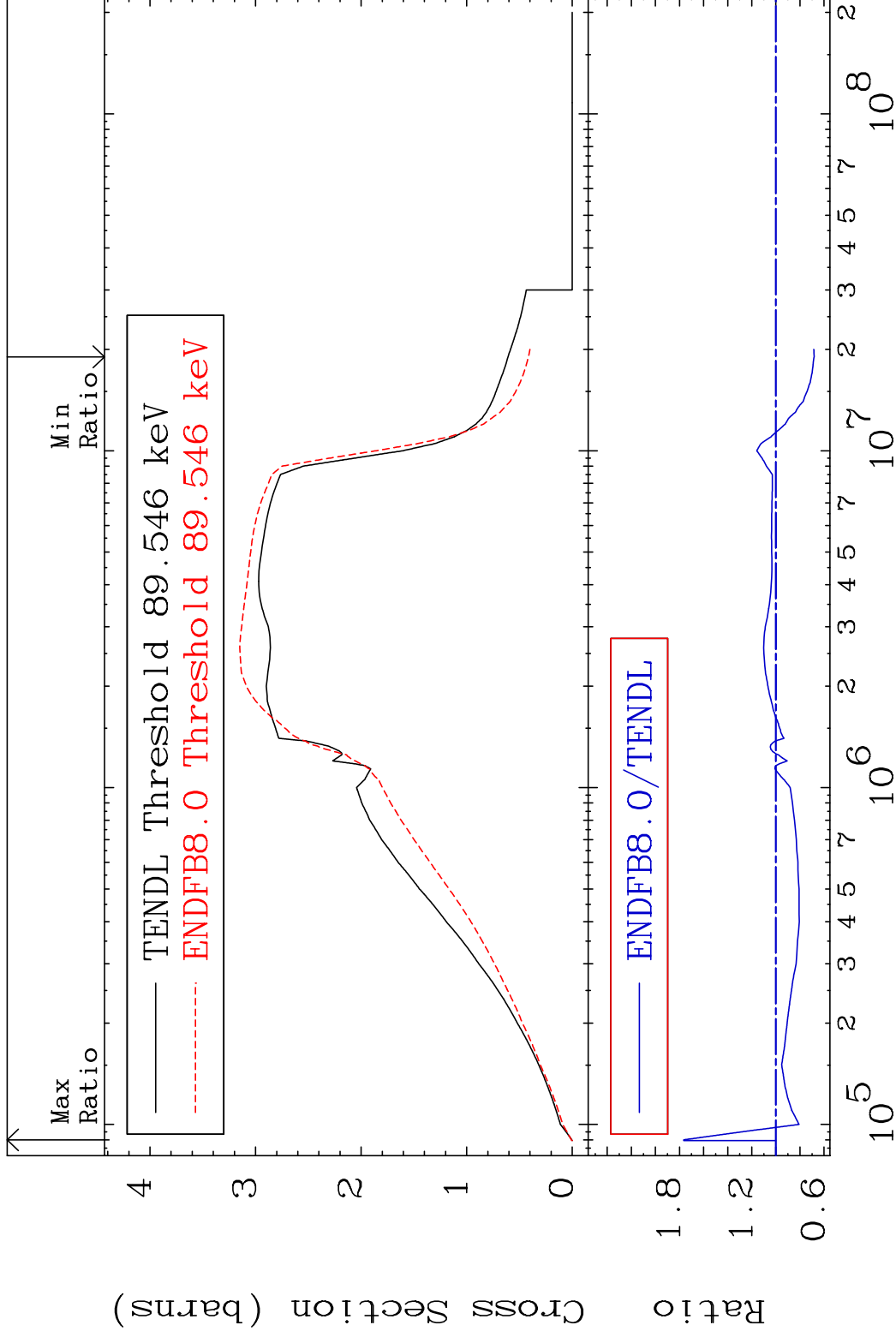
MAT 6437

Inelastic

64-Gd-156

Cross Section

-31.75 To 76.56 %



3

Incident Energy (eV)

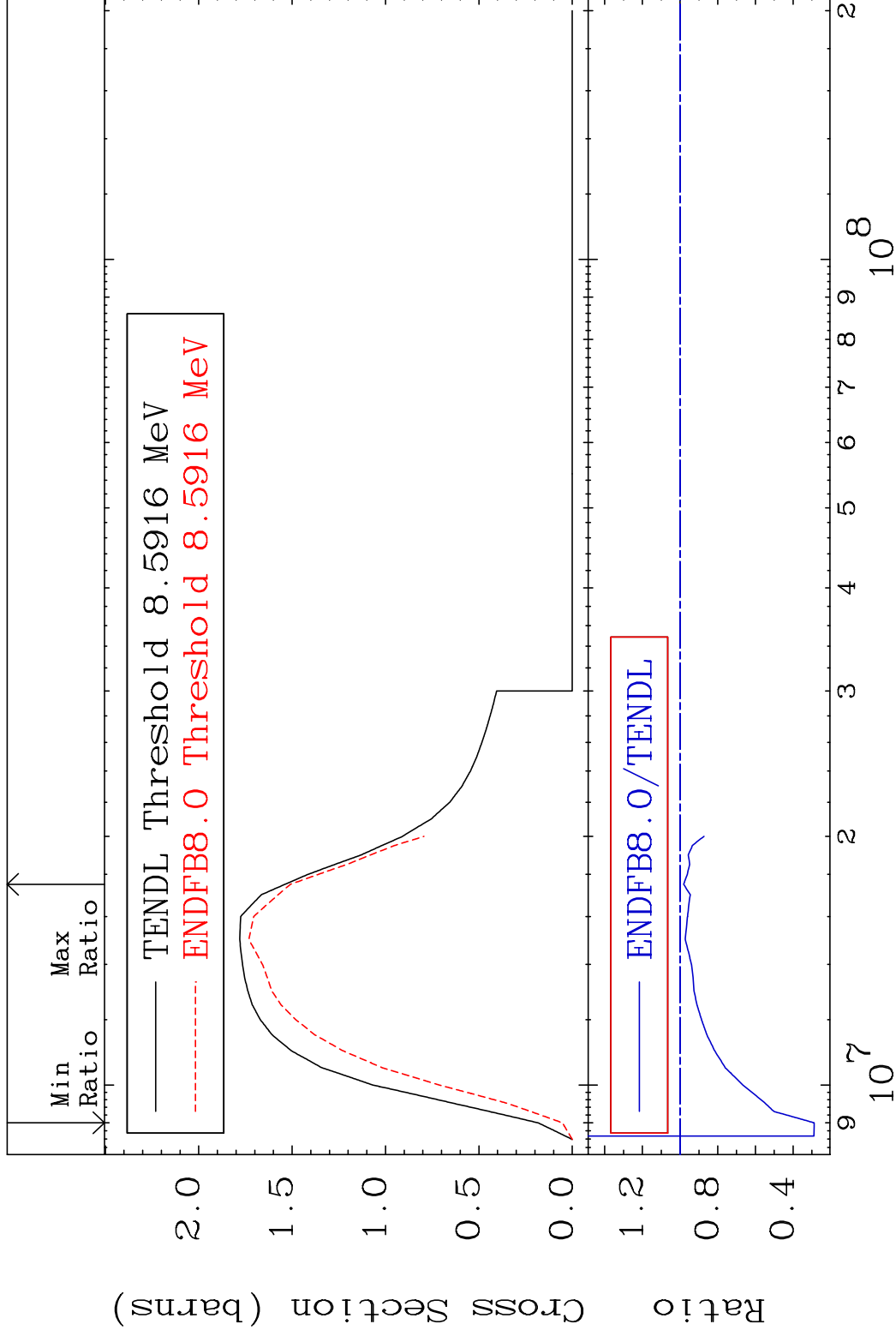
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -71.17 To -1.906%



4

Incident Energy (eV)

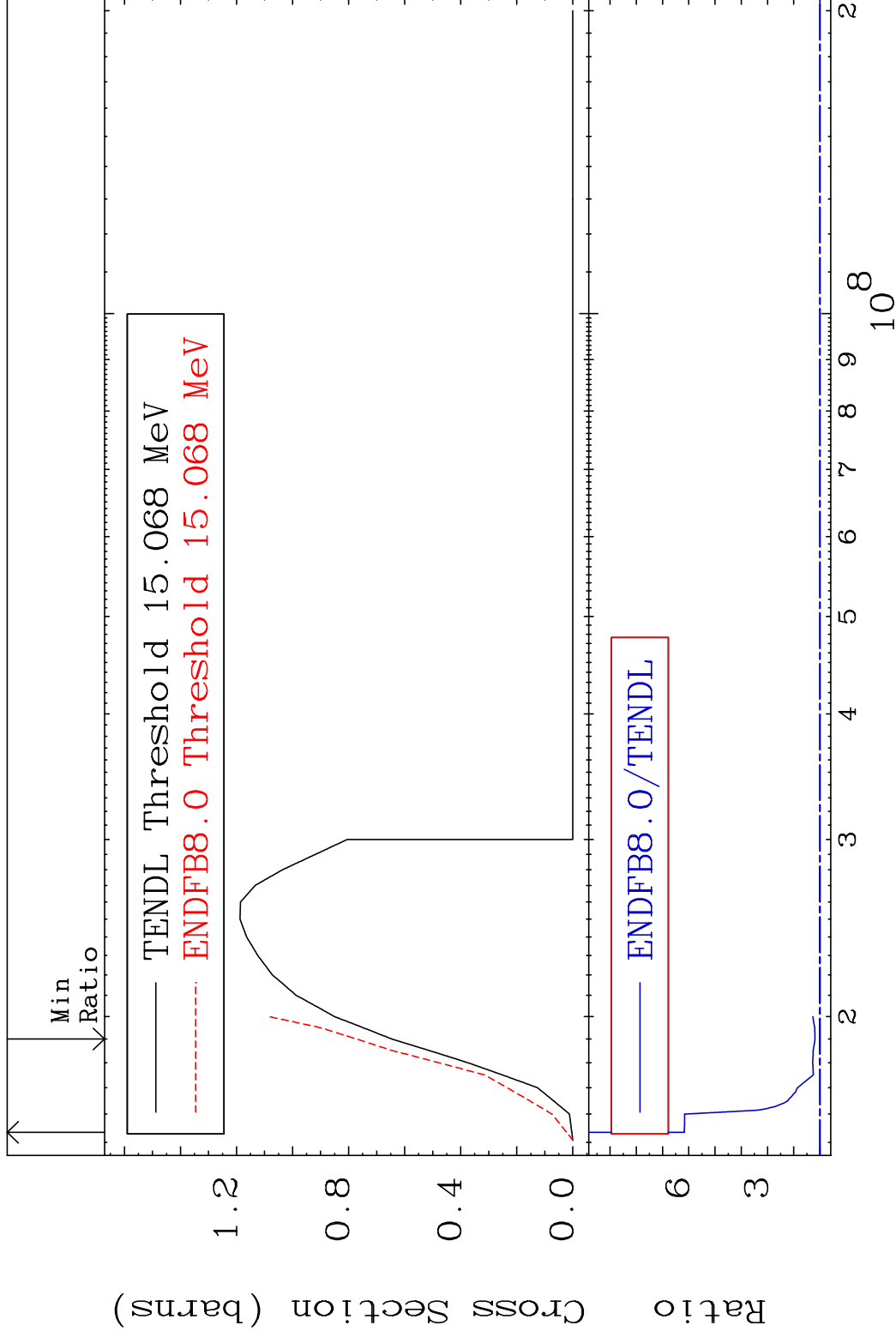
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section 19.45 To 517.0 %



5

Incident Energy (eV)

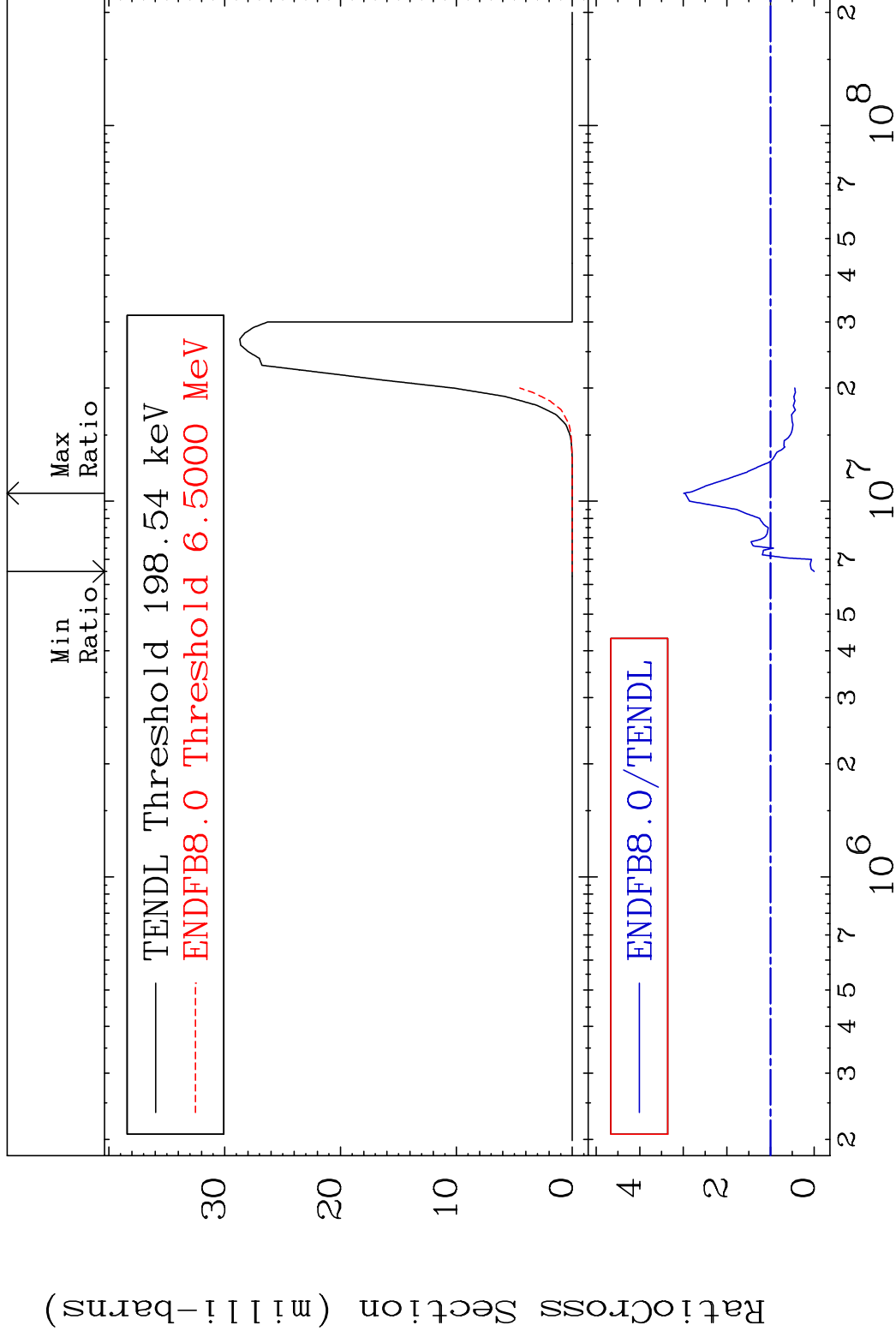
64-Gd-156

MAT 6437

(n, n') α

64-Gd-156

Cross Section -100.0 To 199.2 %



6

Incident Energy (eV)

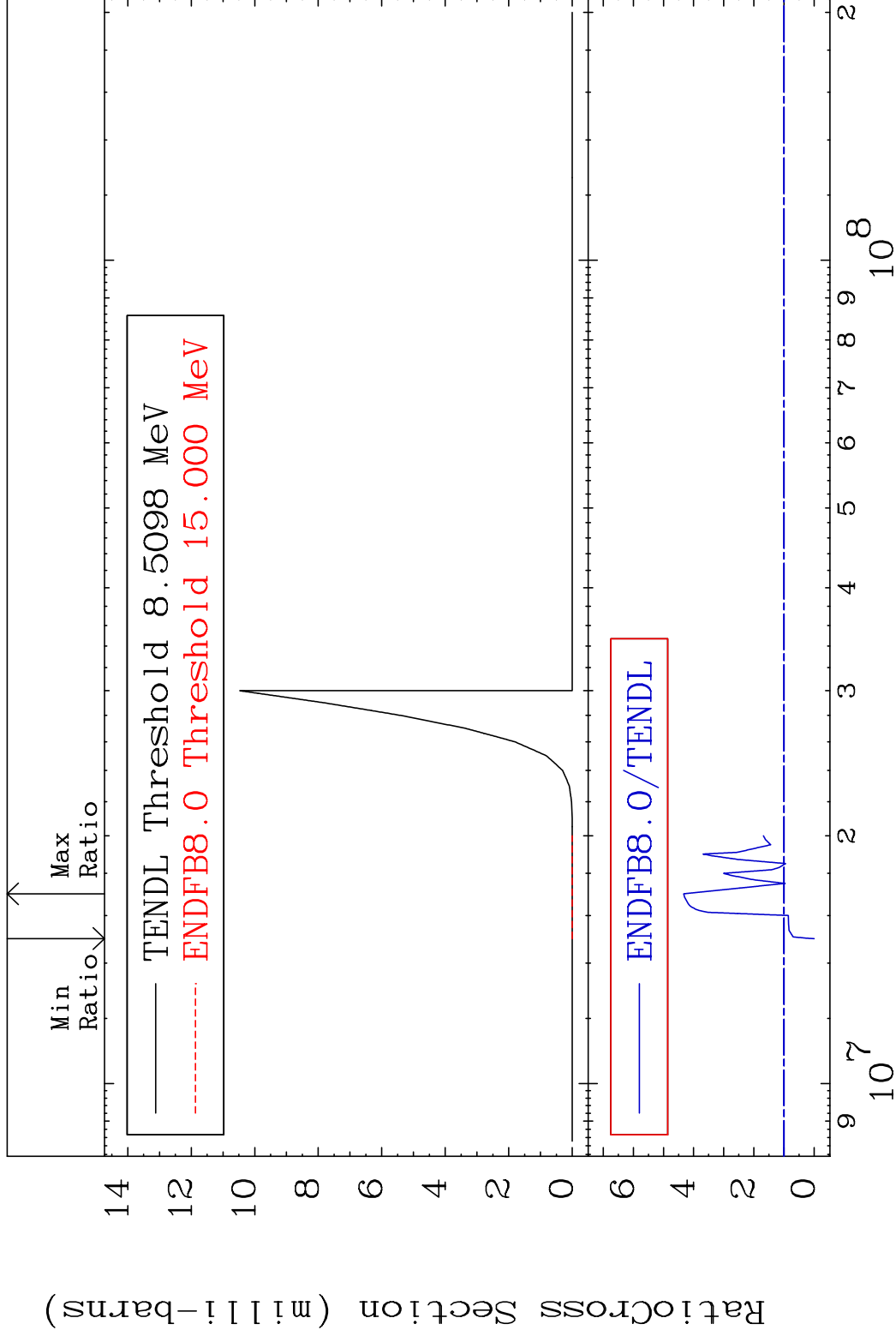
64-Gd-156

MAT 6437

(n,2n) α

64-Gd-156

Cross Section -100.0 To 333.1 %



7

Incident Energy (eV)

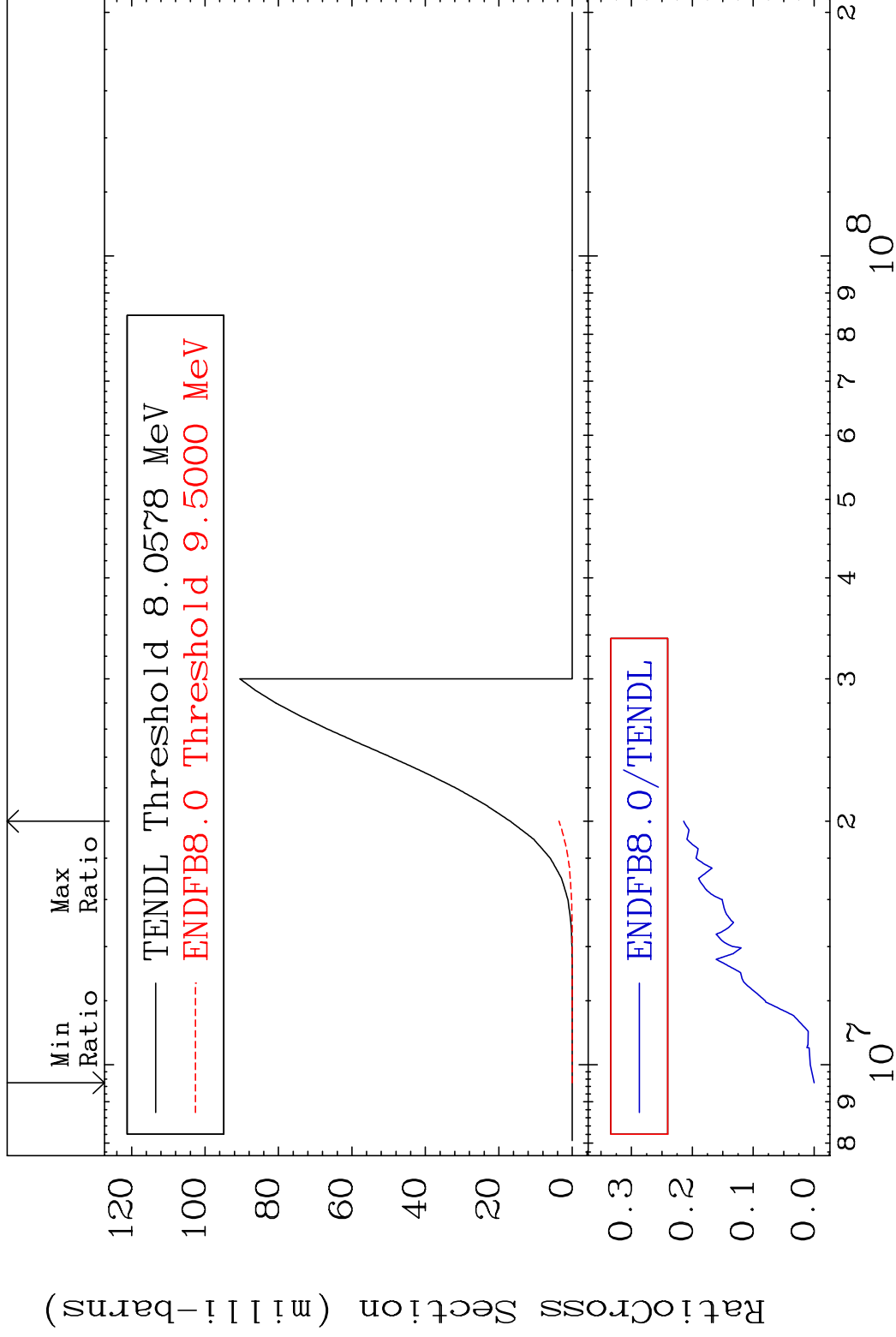
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To -78.58%



8

Incident Energy (eV)

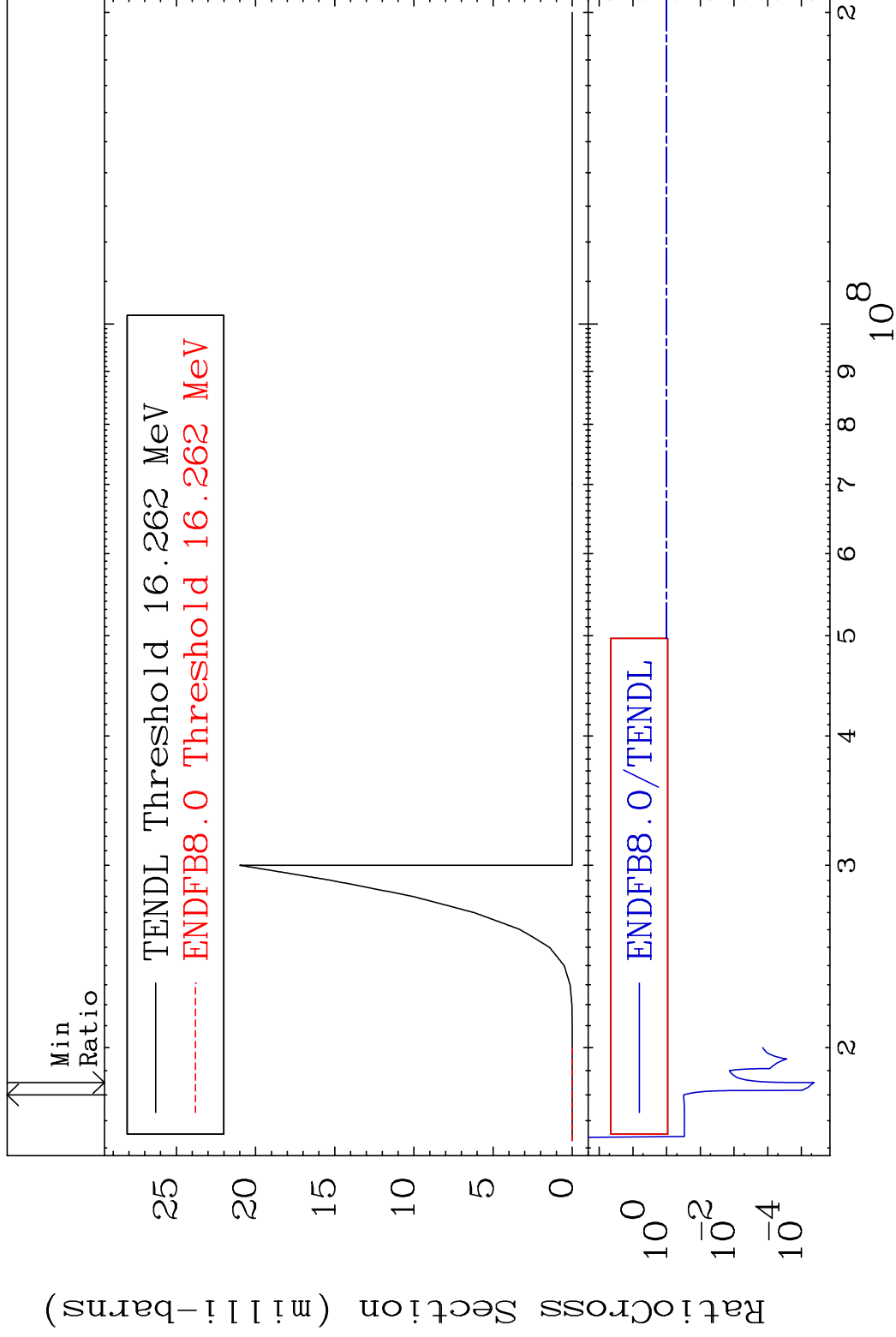
64-Gd-156

MAT 6437

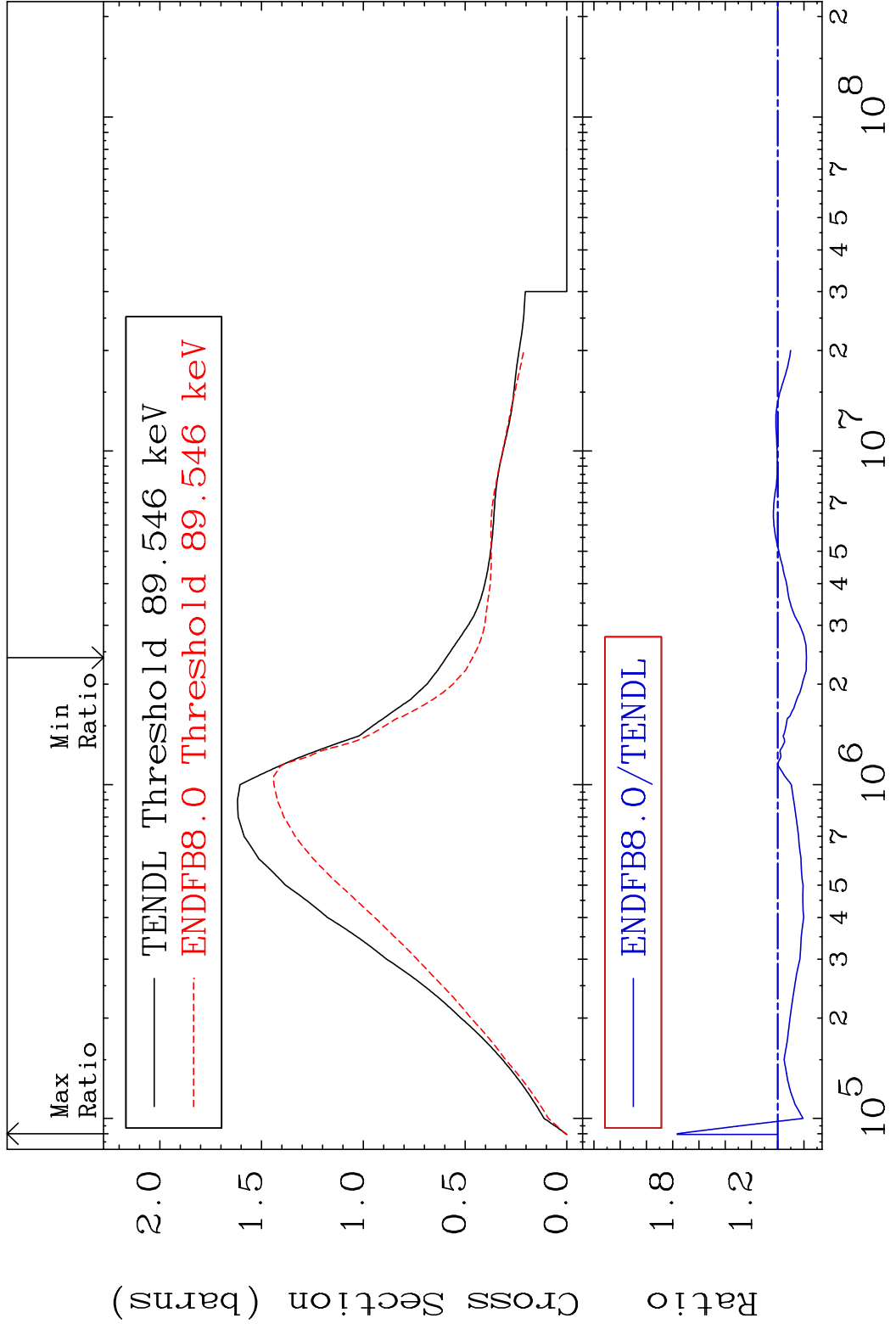
(n,2n) p

64-Gd-156

Cross Section -100.0 To -68.85%

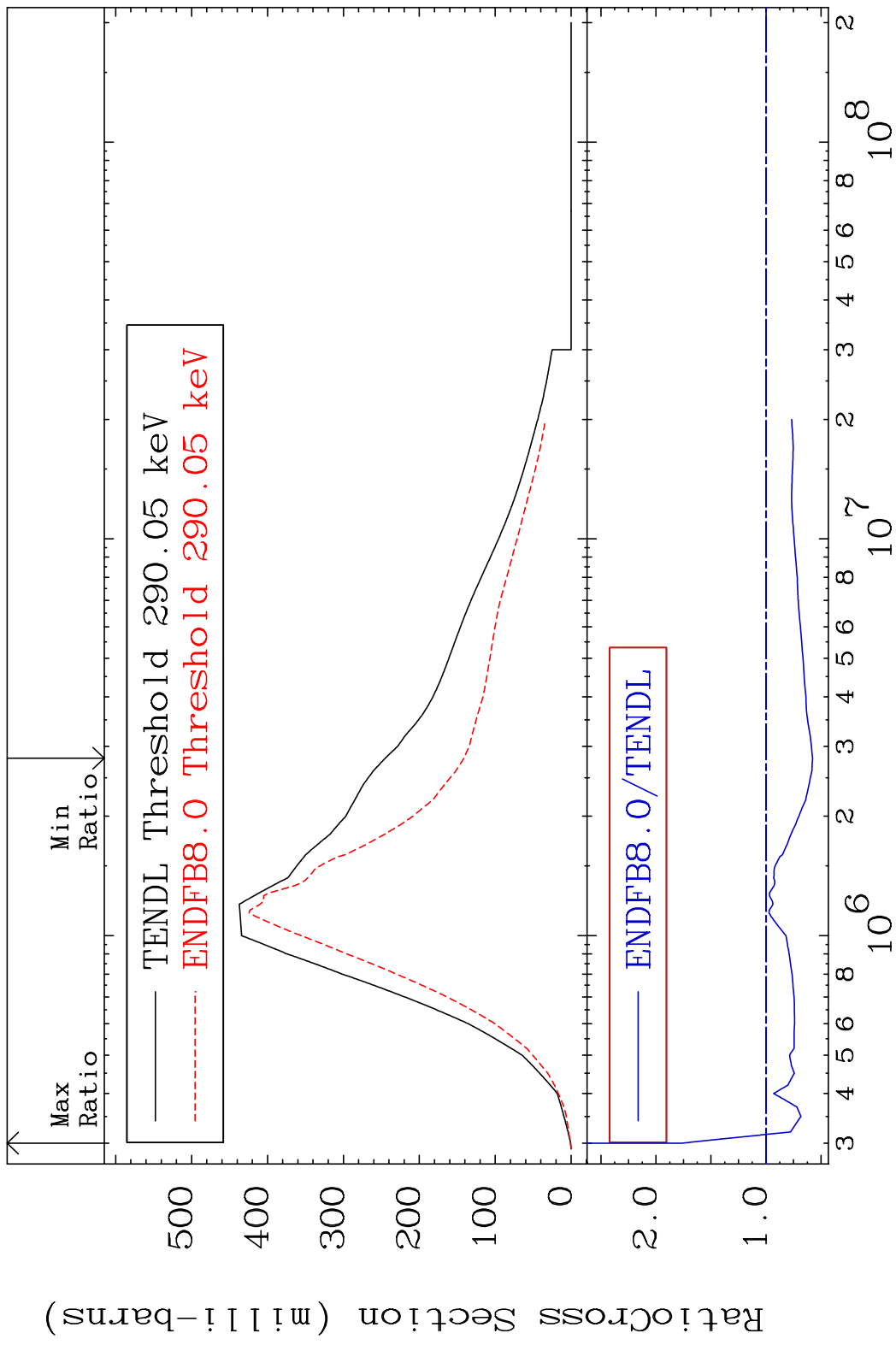


MAT 6437 MT= 51 (n,n') Level 64-Gd-156
 Cross Section -21.80 To 76.56 %

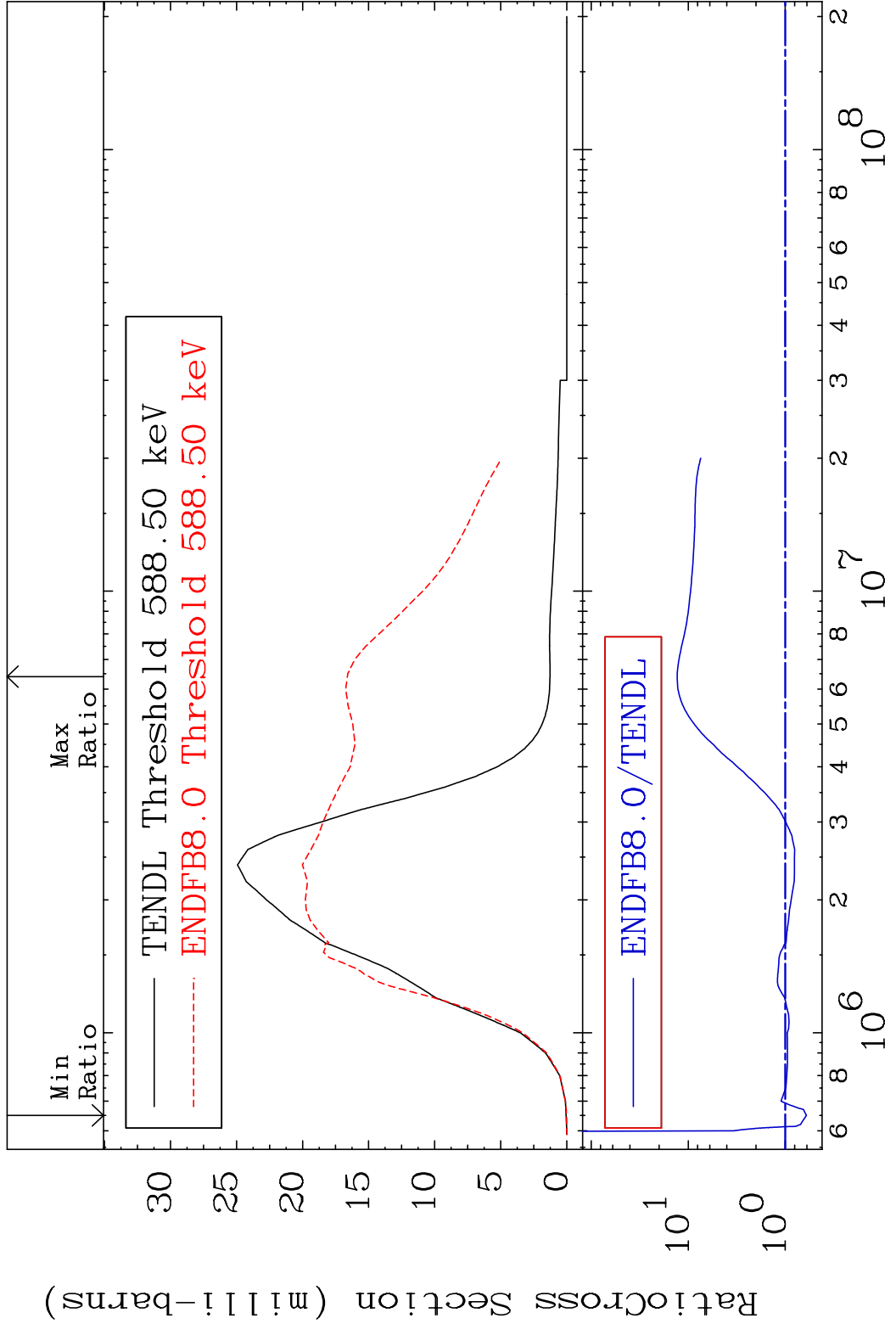


10 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 52 (n,n') Level 64-Gd-156
 Cross Section -42.31 To 76.04 %



MAT 6437 MT= 53 (n, n') Level 64-Gd-156
 Cross Section -39.40 To 1200. %

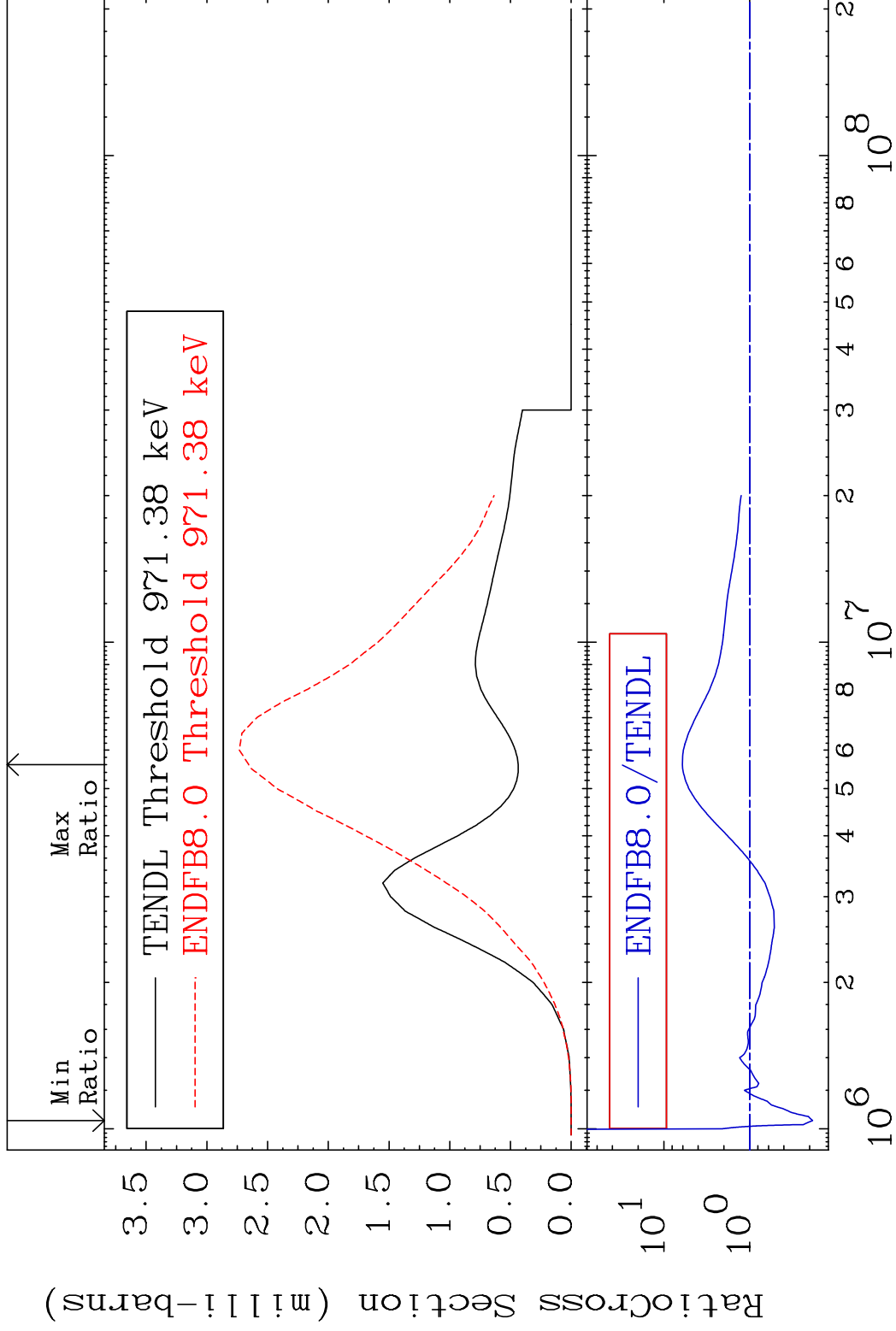


MAT 6437

MT= 54 (n,n') Level

64-Gd-156

Cross Section -81.54 To 509.3 %

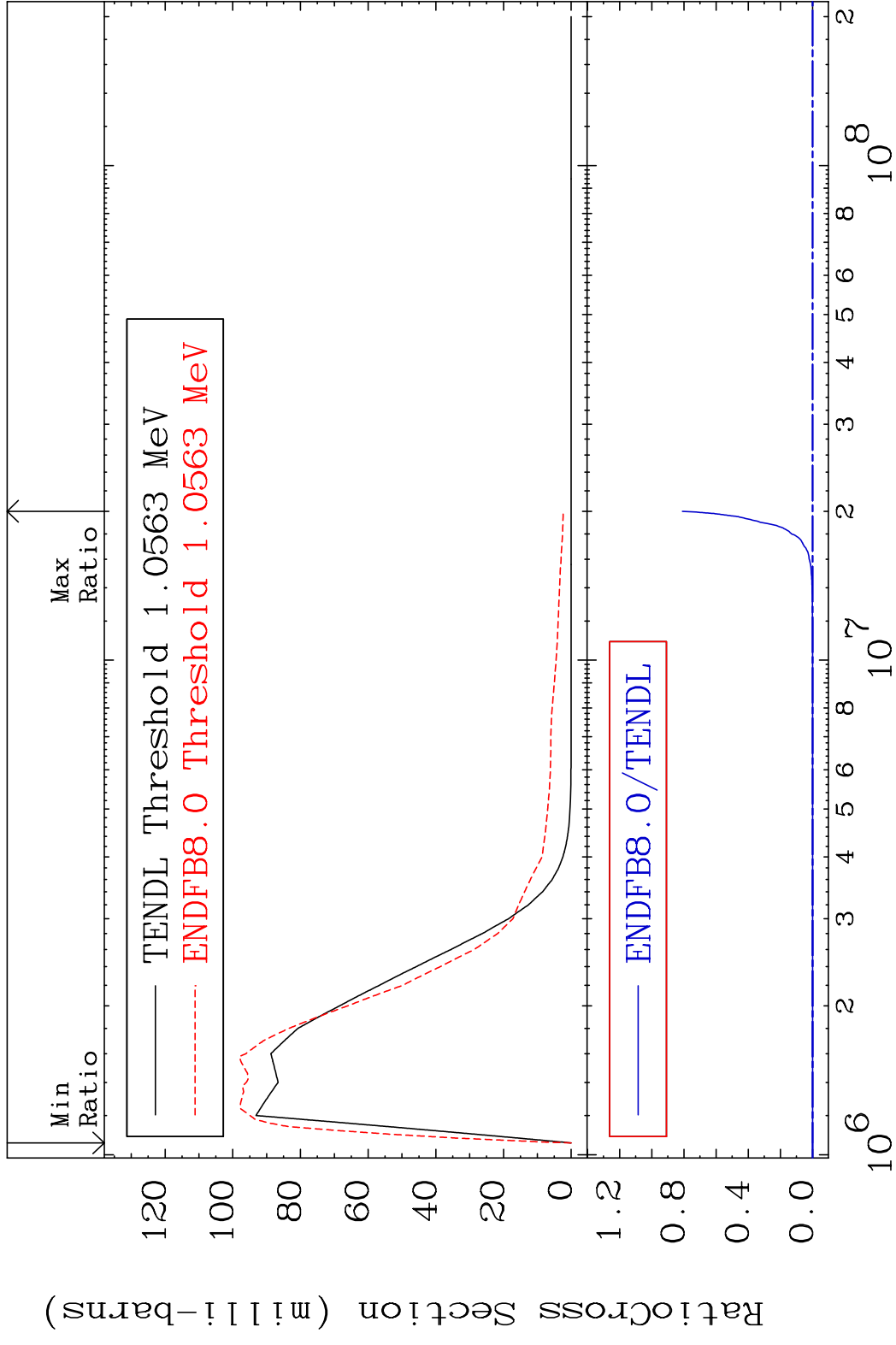


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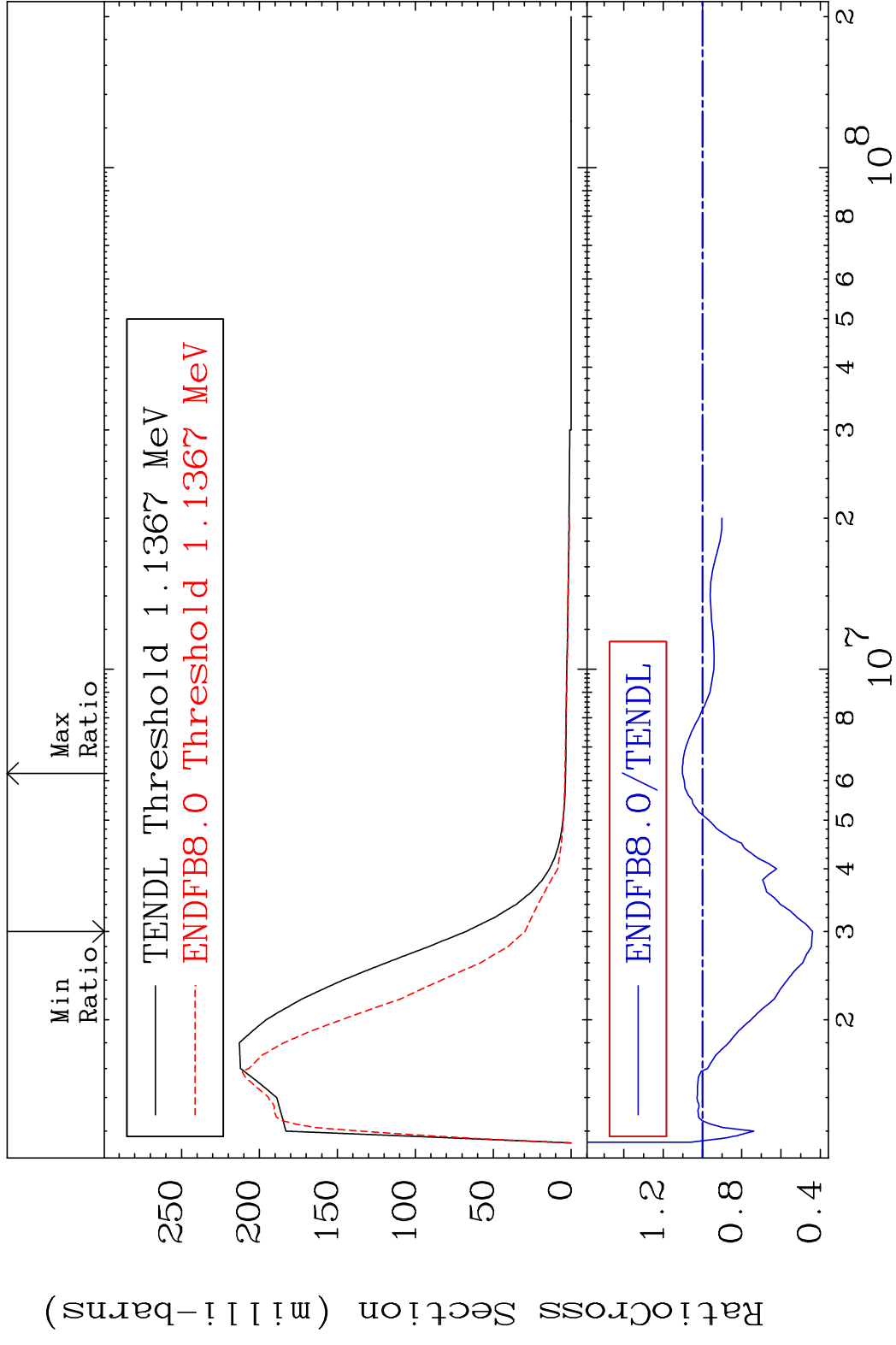
Incident Energy (eV)

64-Gd-156

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



MAT 6437 MT= 56 (n,n') Level 64-Gd-156
 Cross Section -56.06 To 10.22 %

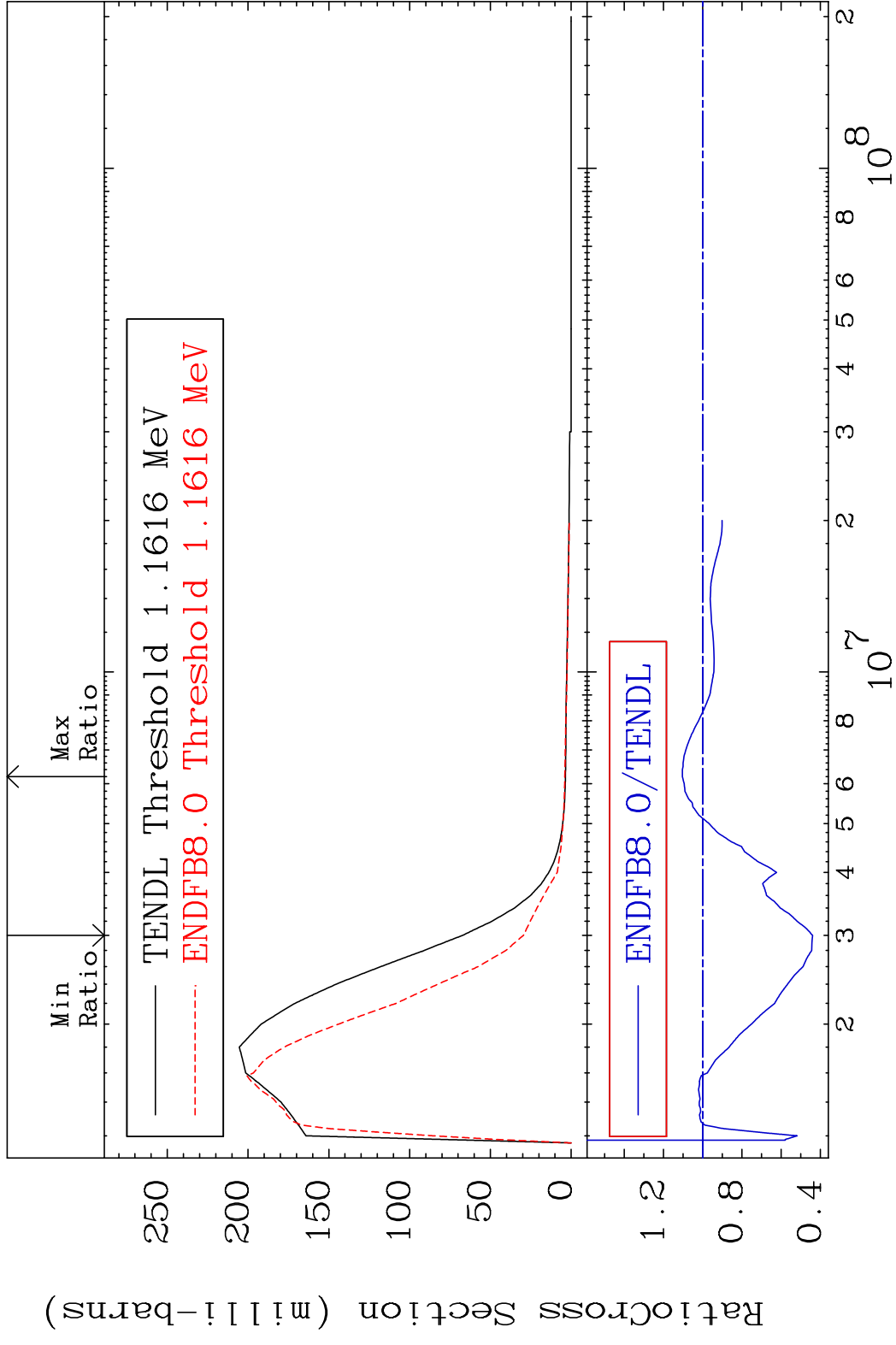


MAT 6437

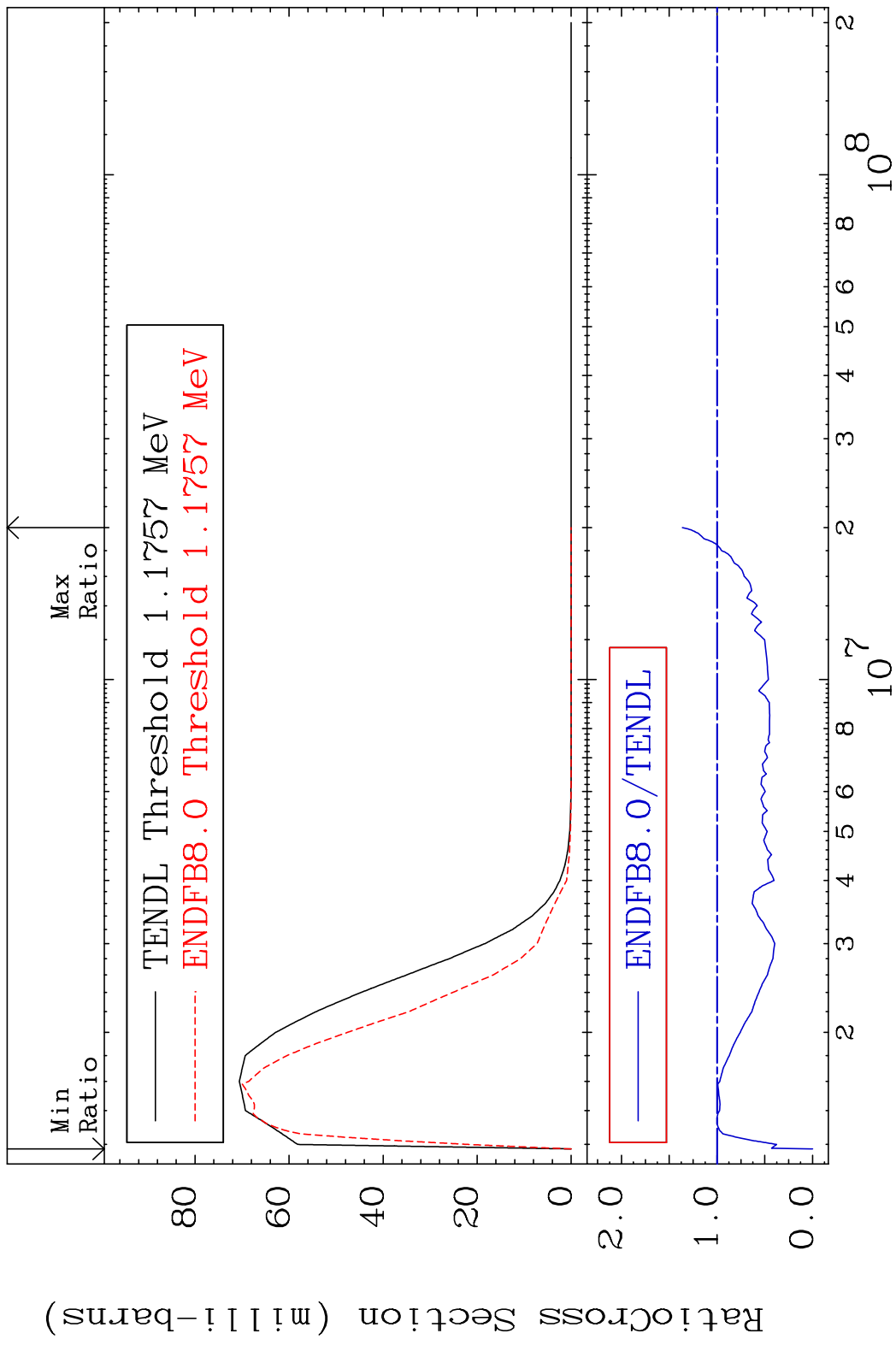
MT= 57 (n, n') Level

64-Gd-156

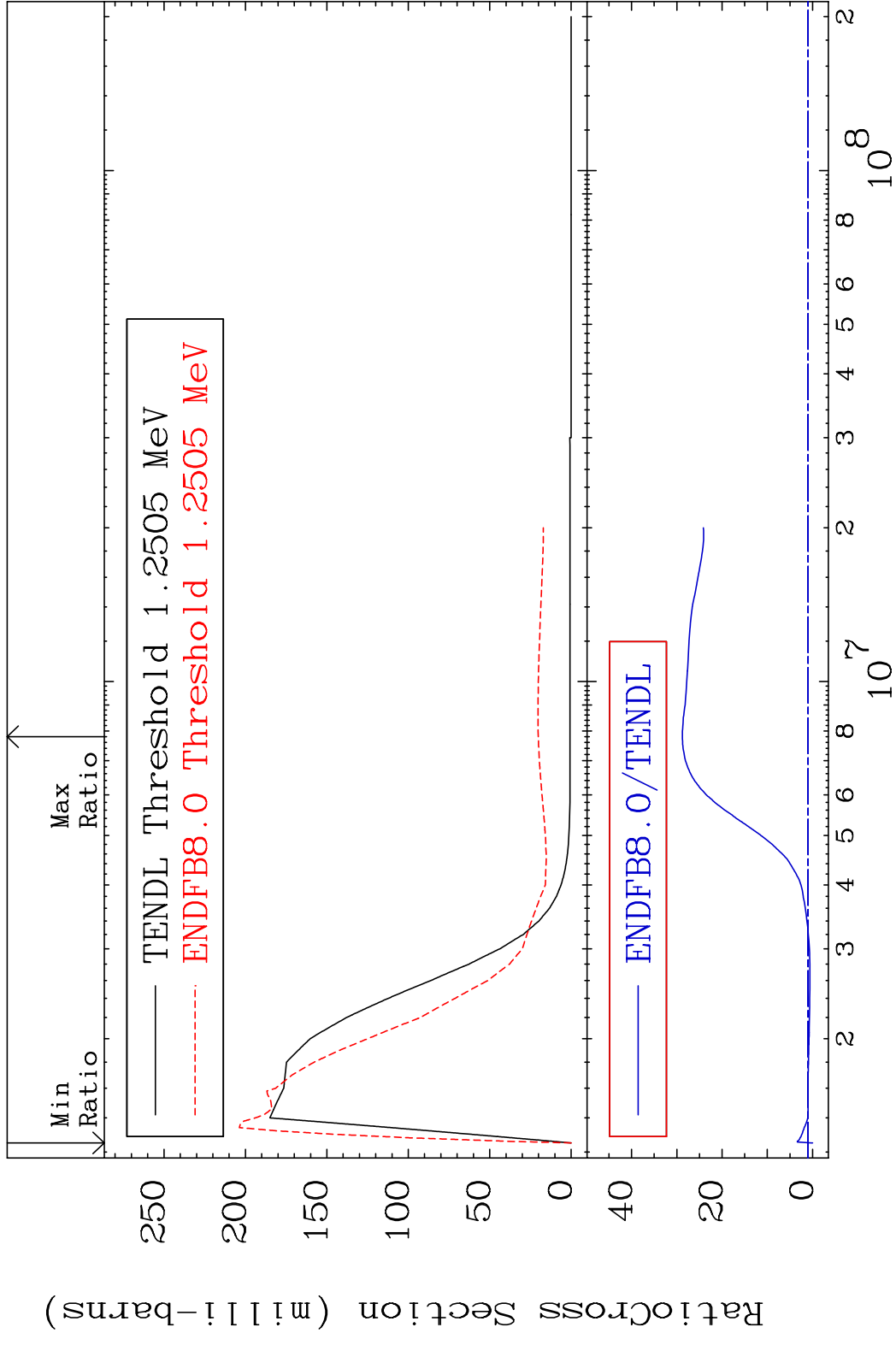
Cross Section -56.07 To 10.36 %



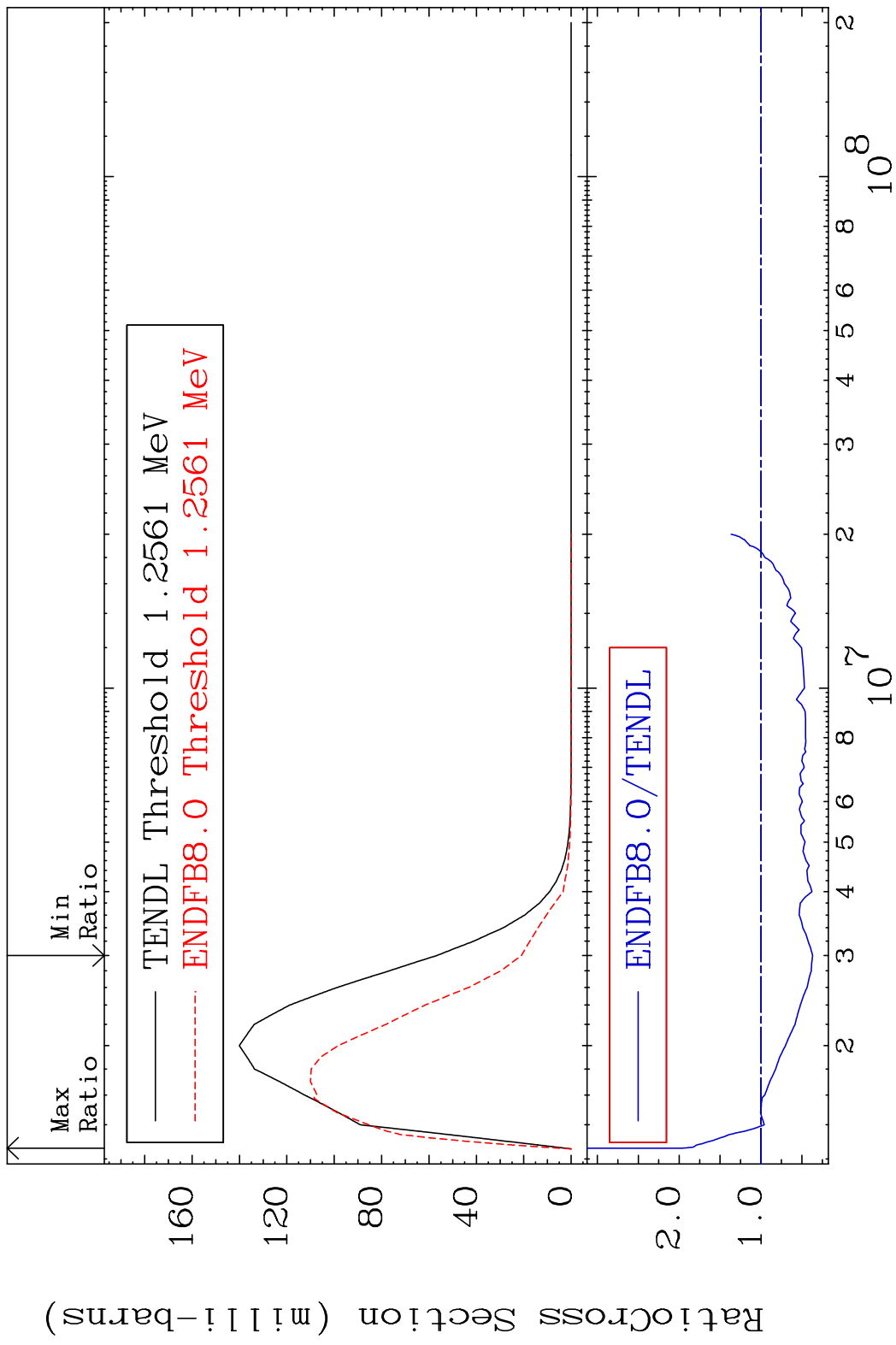
MAT 6437 MT= 58 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 36.30 %



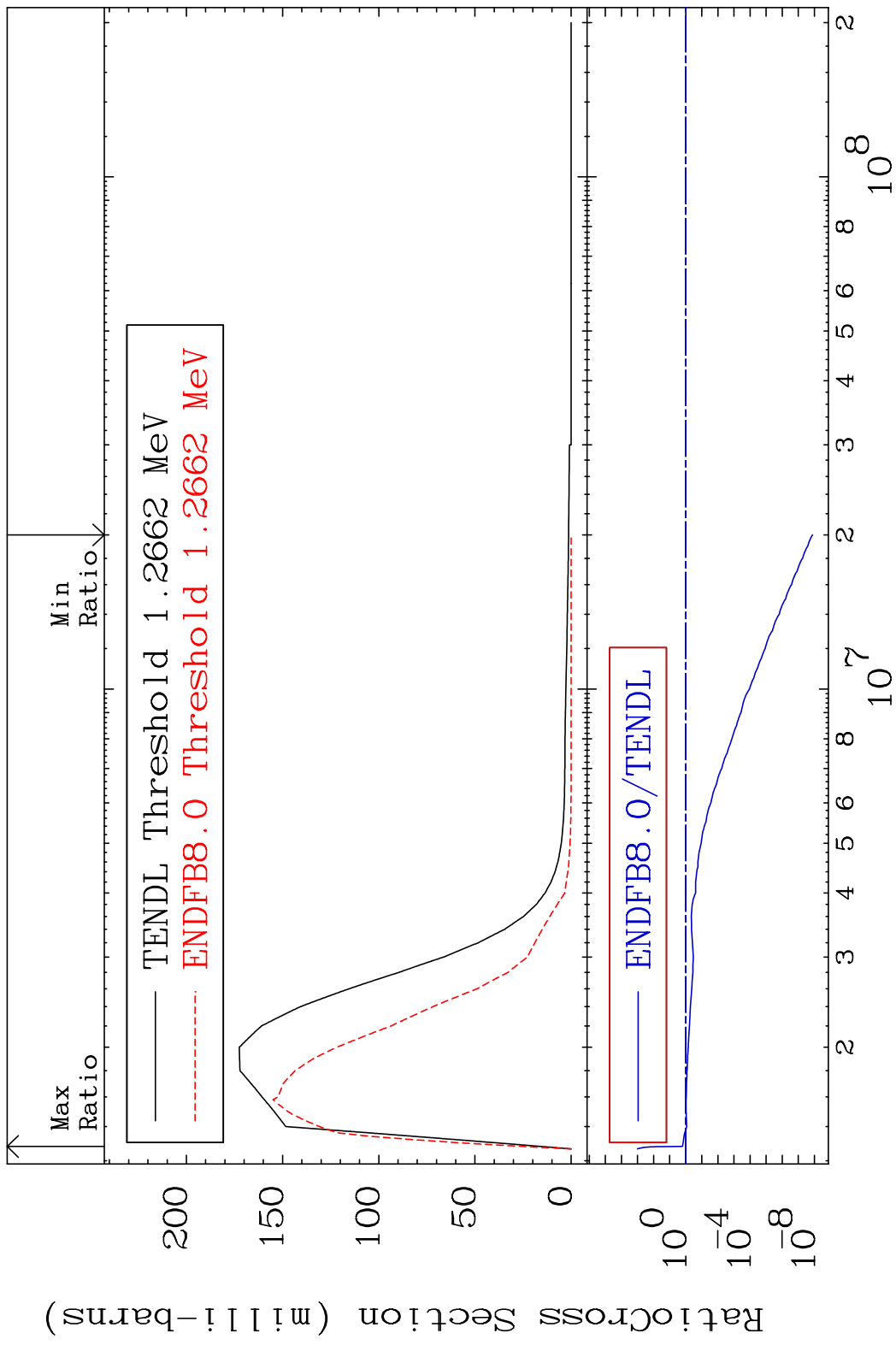
MAT 6437 MT= 59 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 2777. %



MAT 6437 MT= 60 (n,n') Level 64-Gd-156
 Cross Section -63.01 To 96.18 %

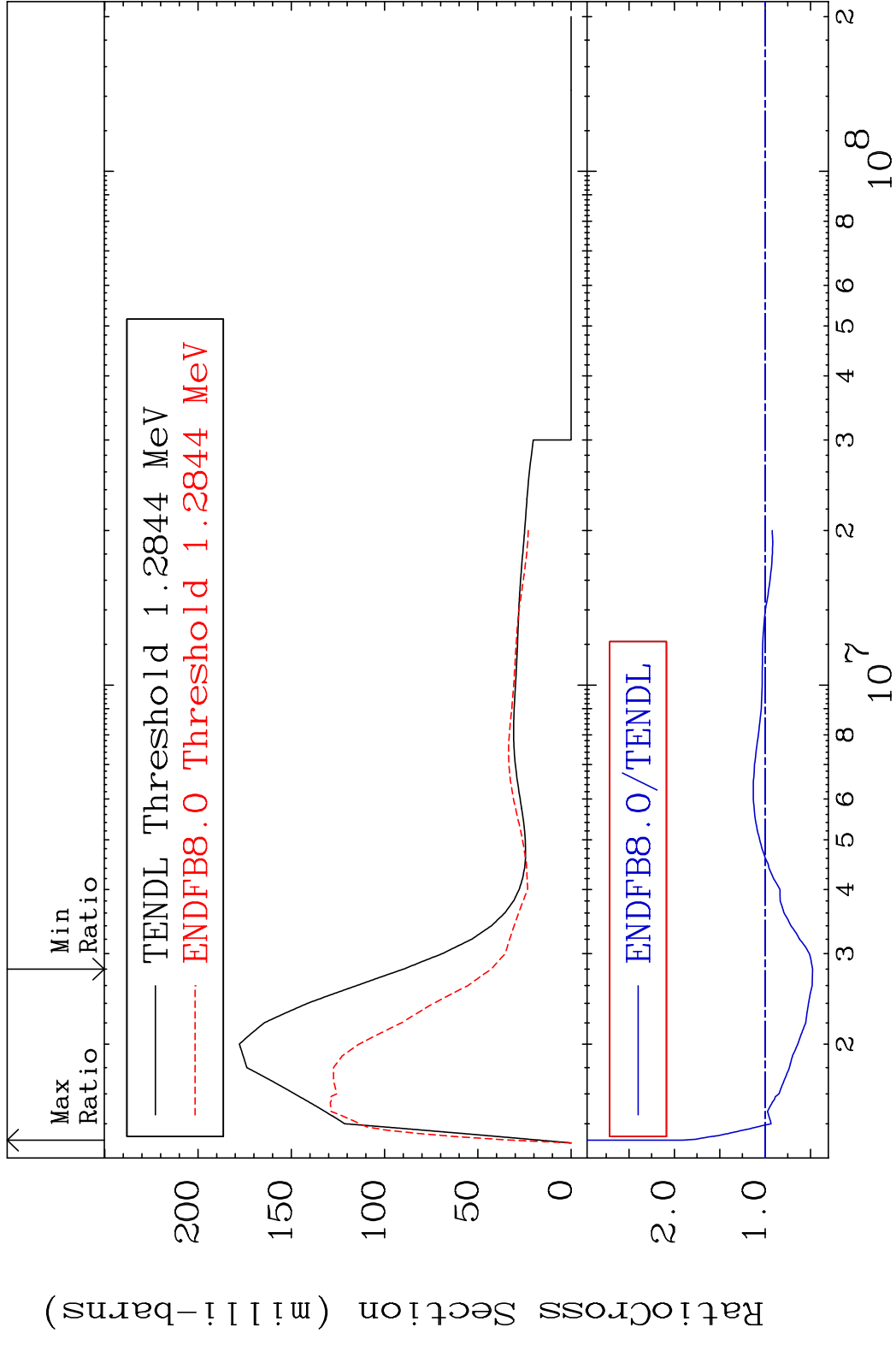


MAT 6437 MT= 61 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 63.44 %

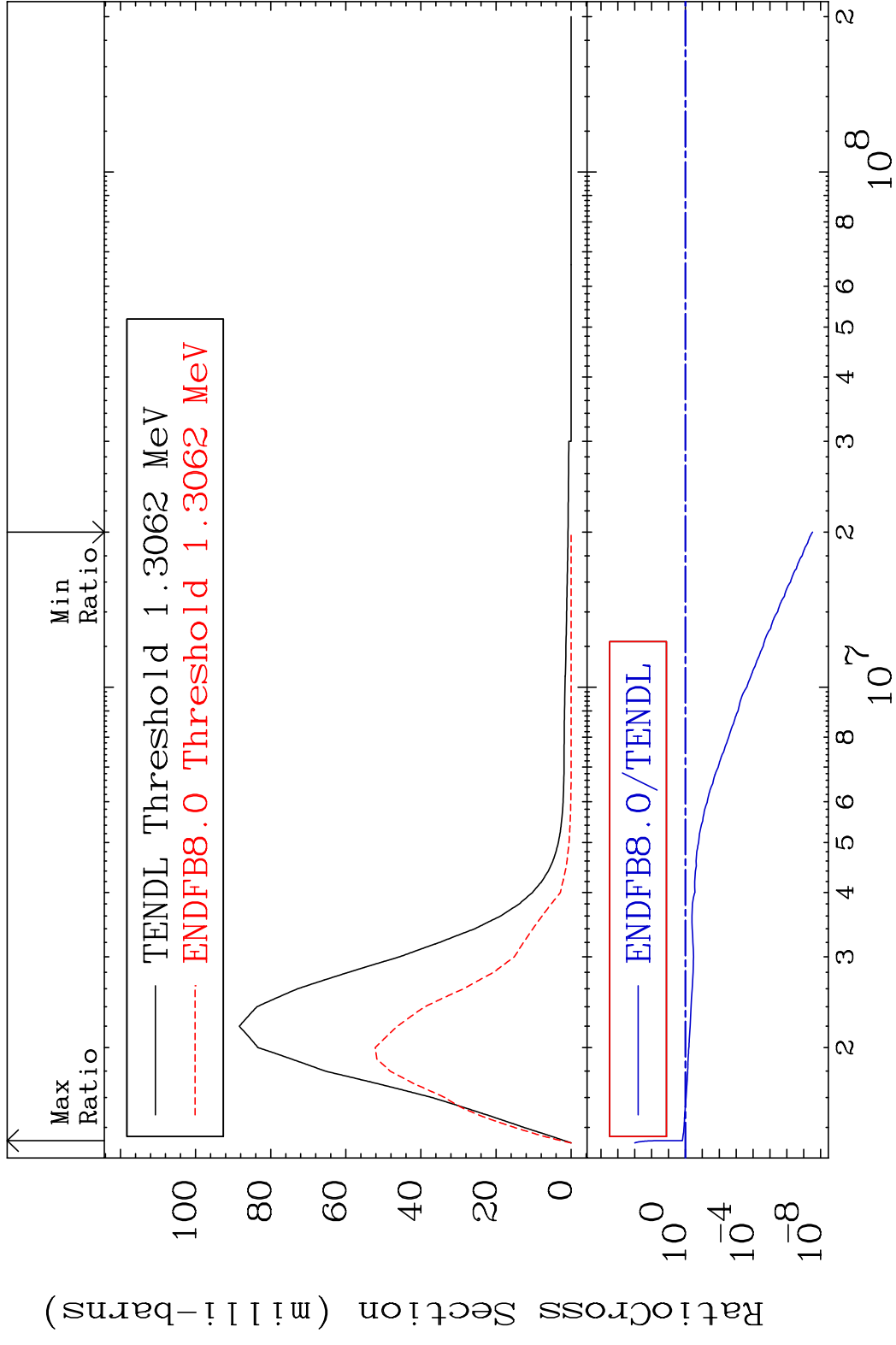


20 Incident Energy (eV) 64-Gd-156

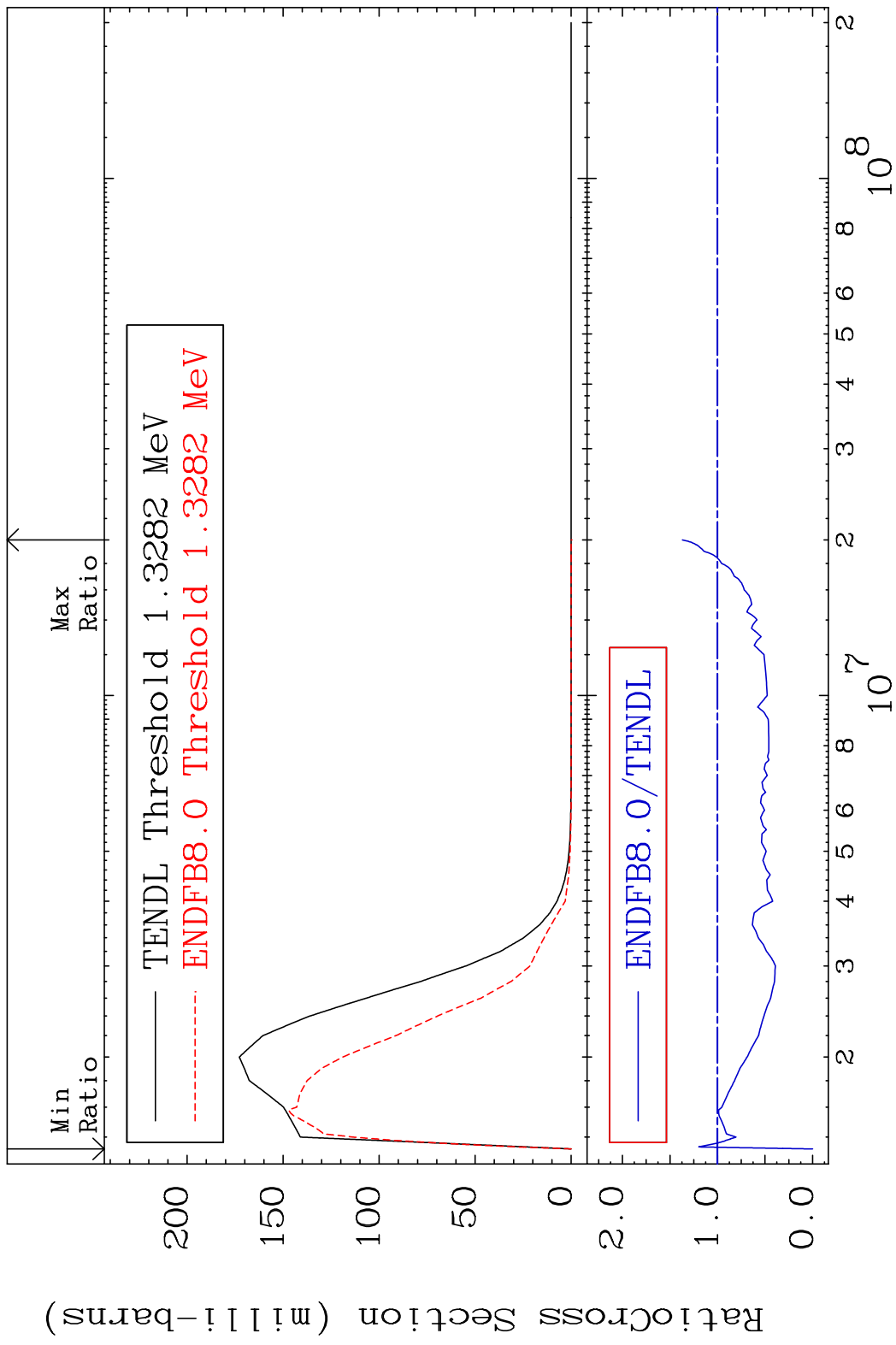
MAT 6437 MT= 62 (n,n') Level 64-Gd-156
 Cross Section -52.30 To 91.16 %



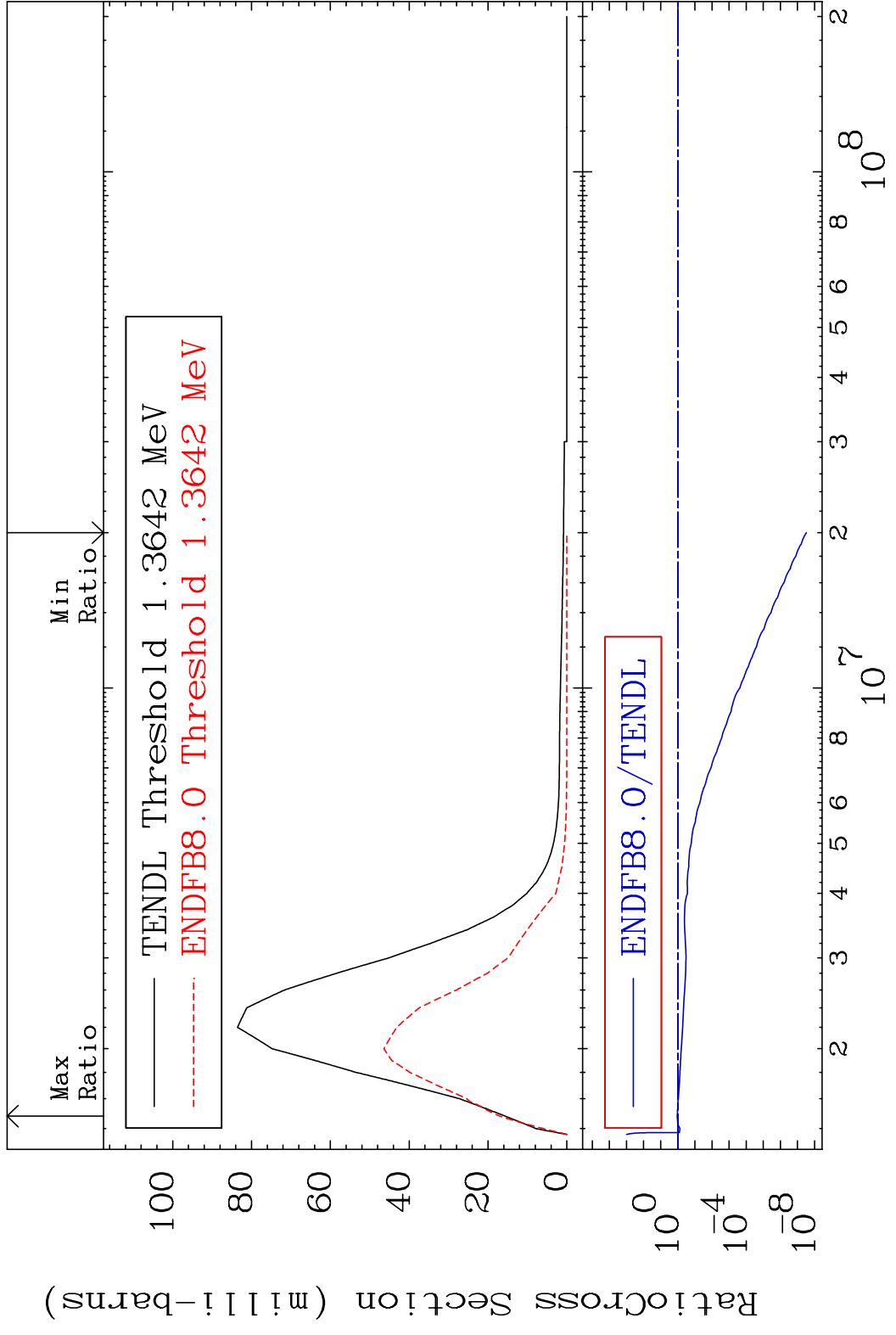
MAT 6437 MT= 63 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 51.53 %



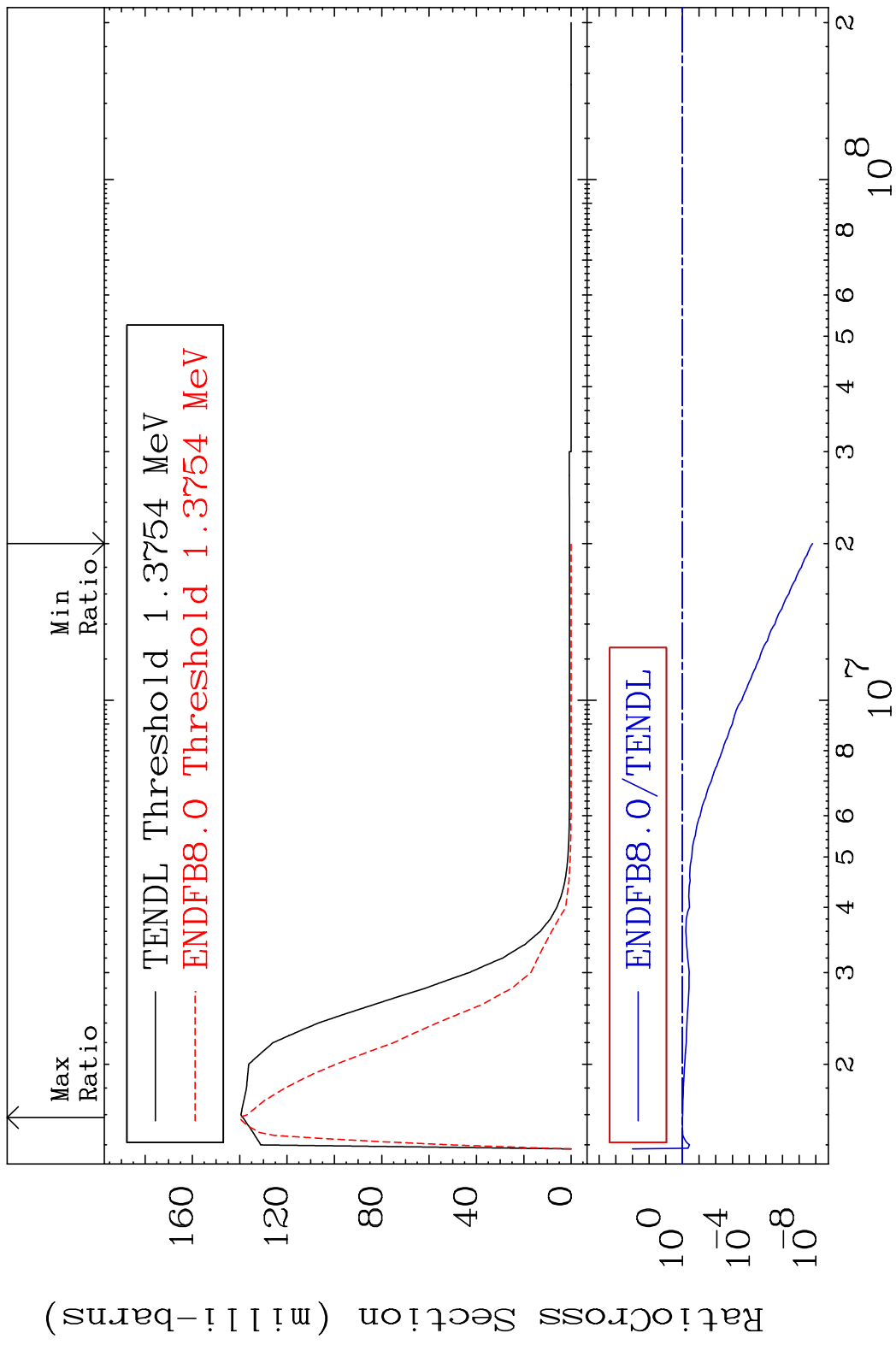
MAT 6437 MT= 64 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 36.97 %



MAT 6437 MT= 65 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 8.621 %



MAT 6437 MT= 66 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 1.097 %

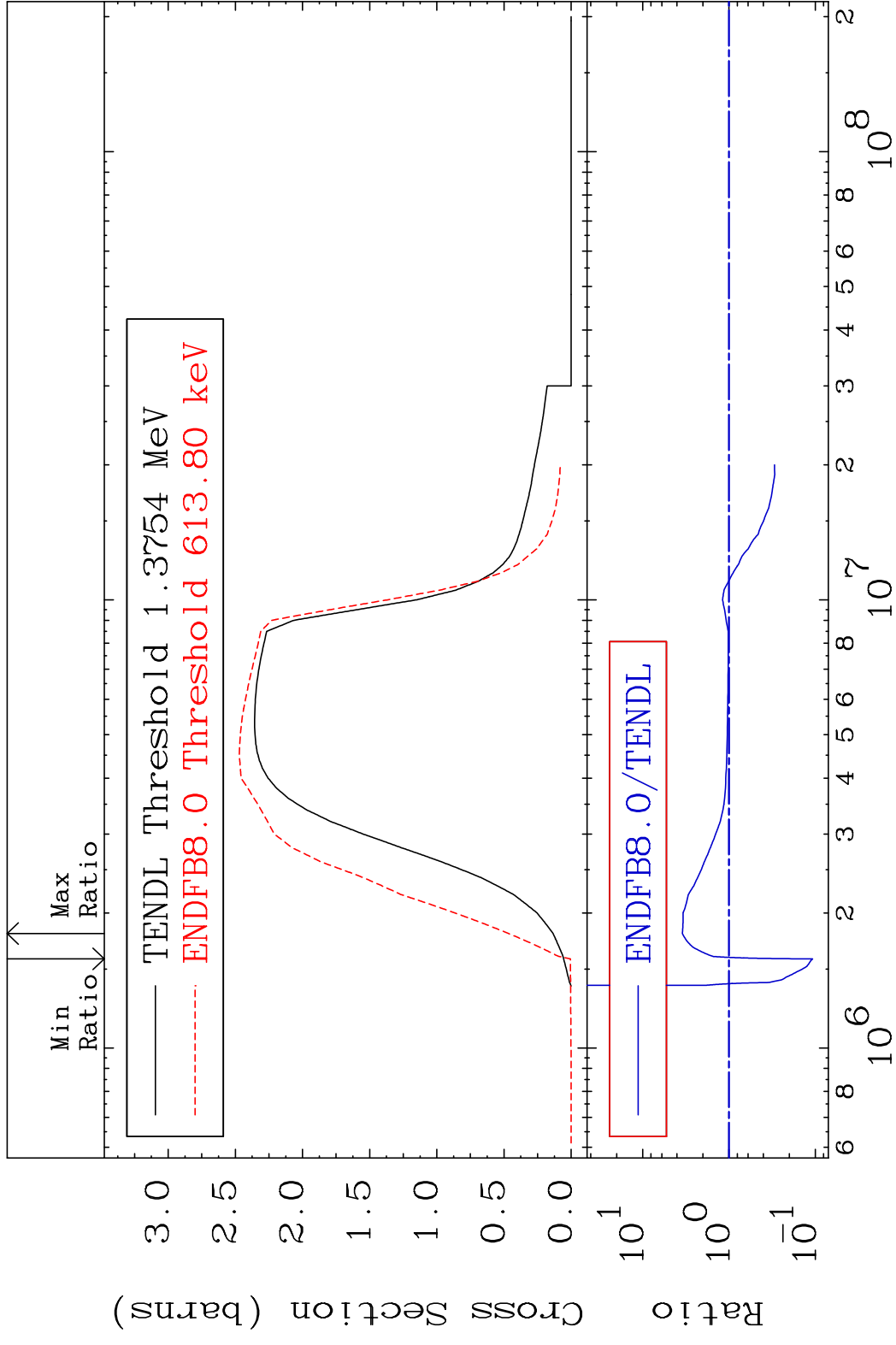


MAT 6437

(n, n') Continuum

64-Gd-156

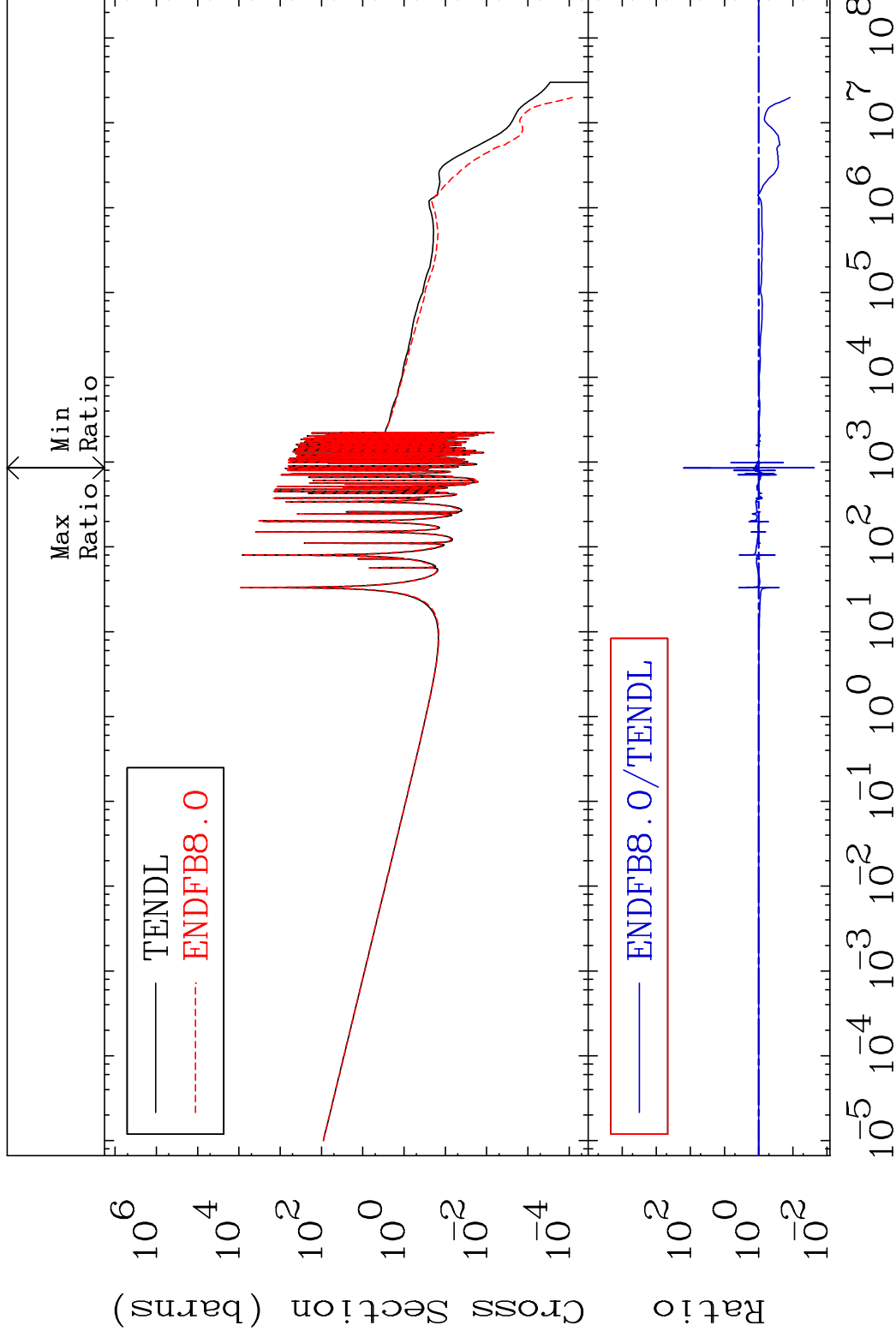
Cross Section -89.25 To 246.8 %



MAT 6437

(n, γ)
Cross Section -97.62 To 9999. %

64-Gd-156



27

Incident Energy (eV)

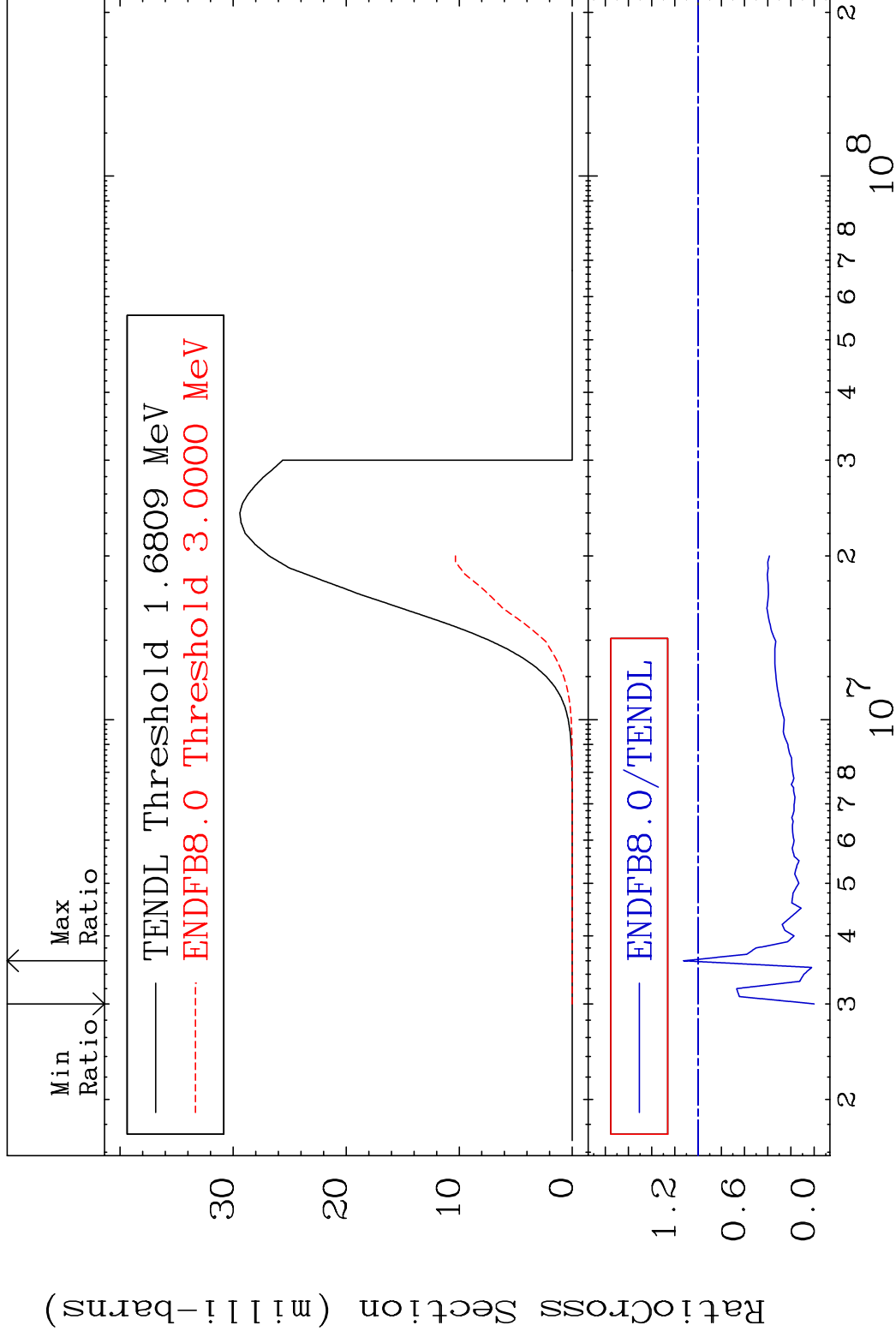
64-Gd-156

MAT 6437

(n,p)

64-Gd-156

Cross Section -100.0 To 12.44 %



28

Incident Energy (eV)

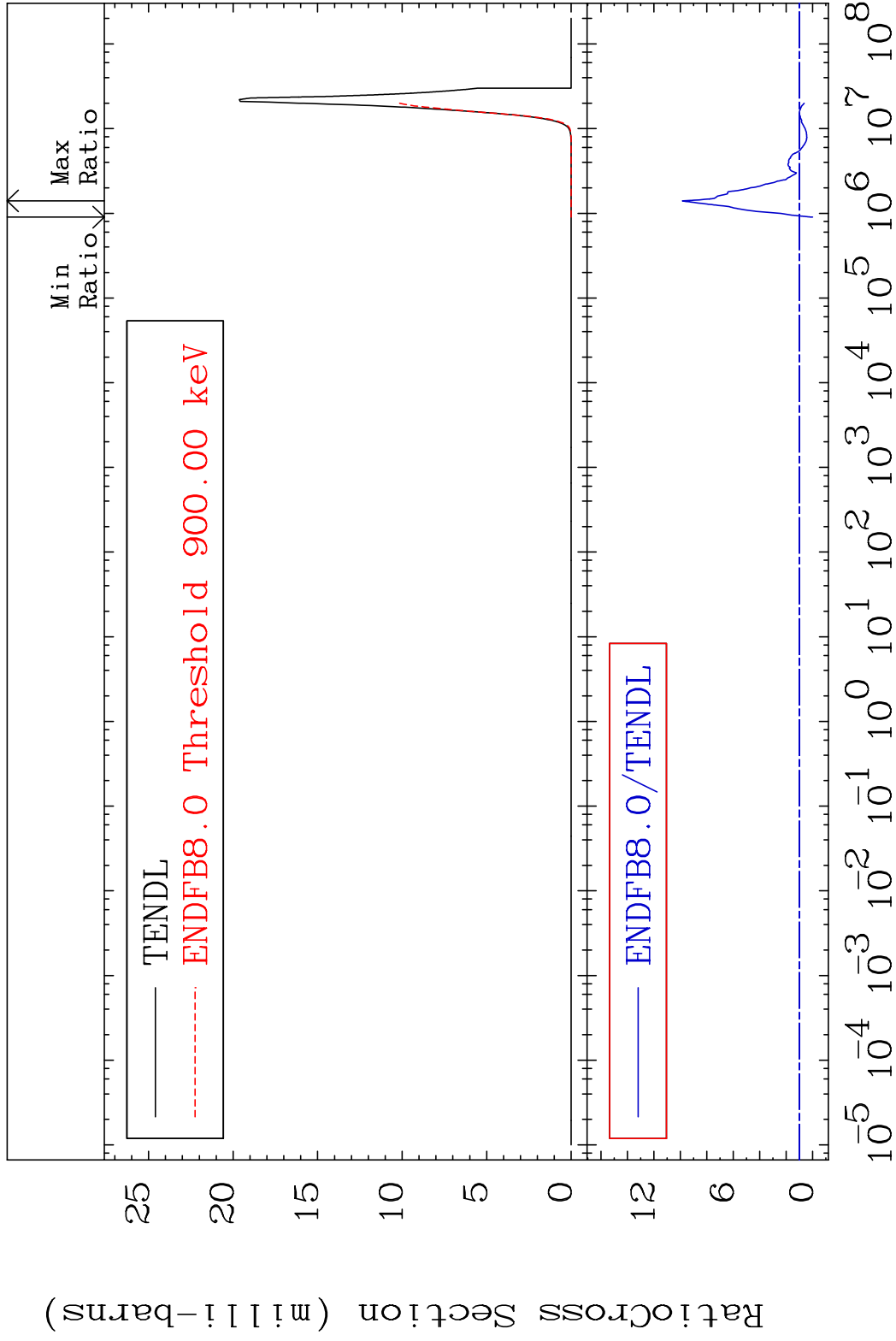
64-Gd-156

MAT 6437

(n, α)

64-Gd-156

Cross Section -100.0 To 884.5 %



29

Incident Energy (eV)

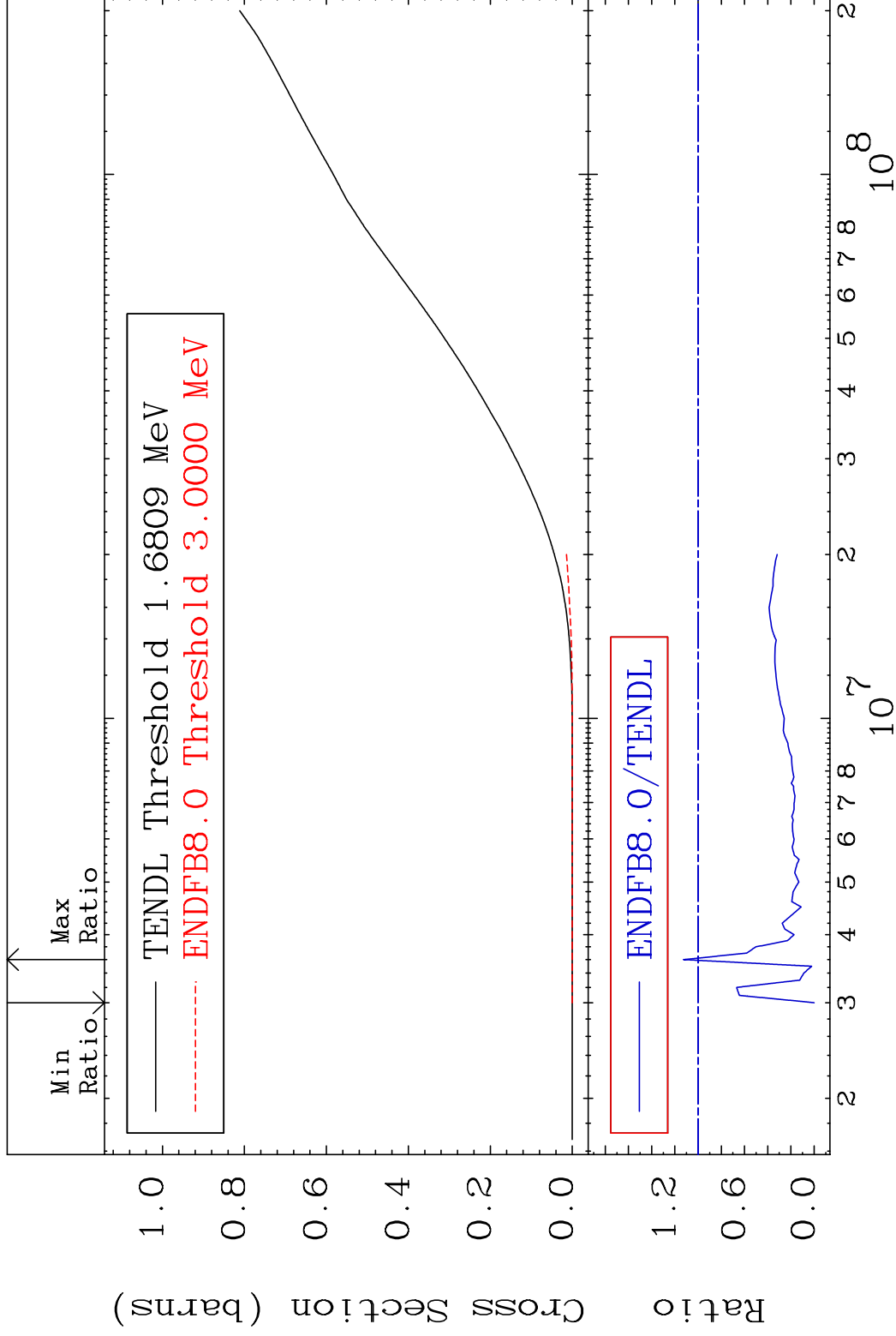
64-Gd-156

MAT 6437

Hydrogen Production

64-Gd-156

Cross Section -100.0 To 12.44 %

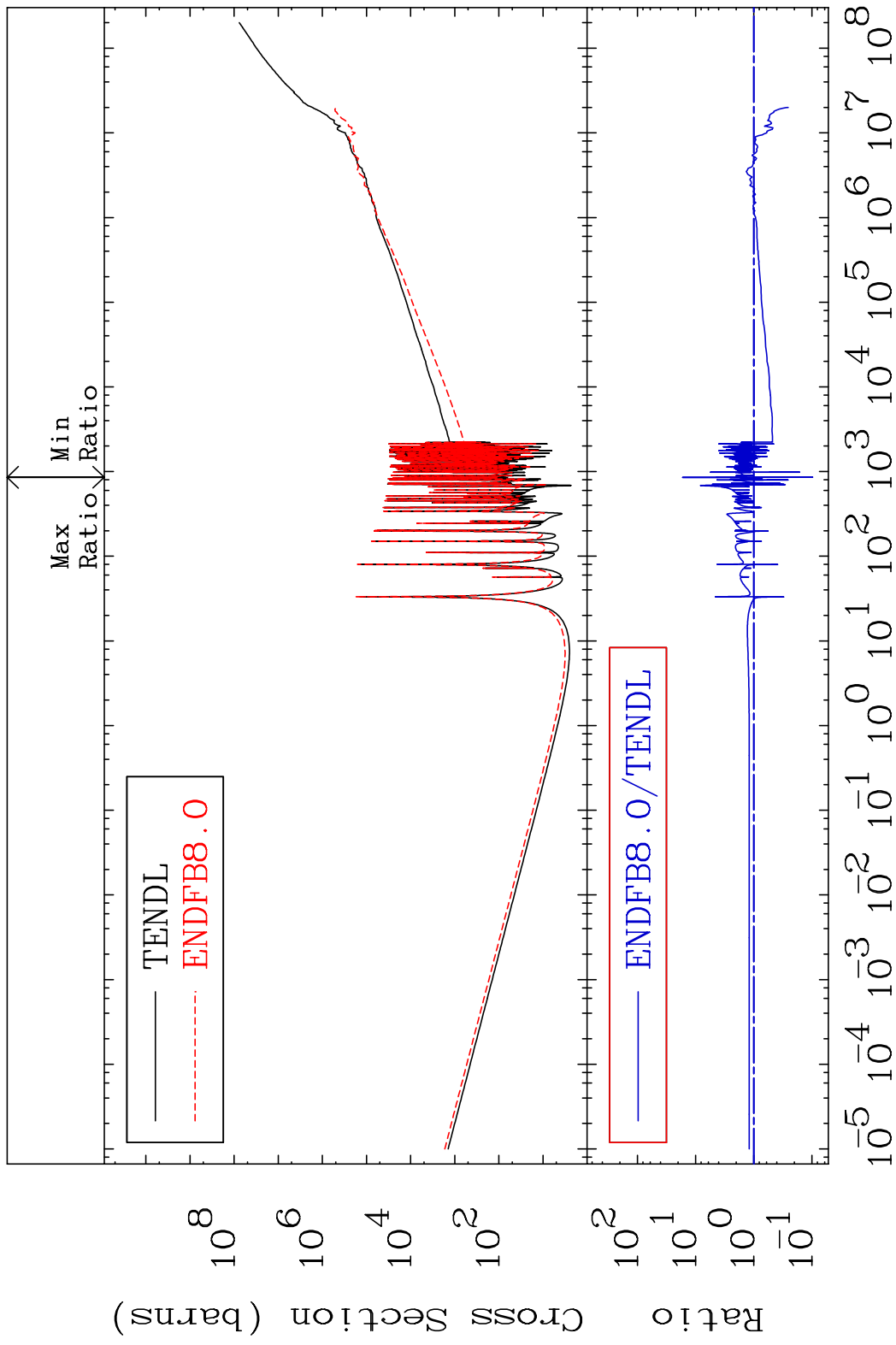


30

Incident Energy (eV)

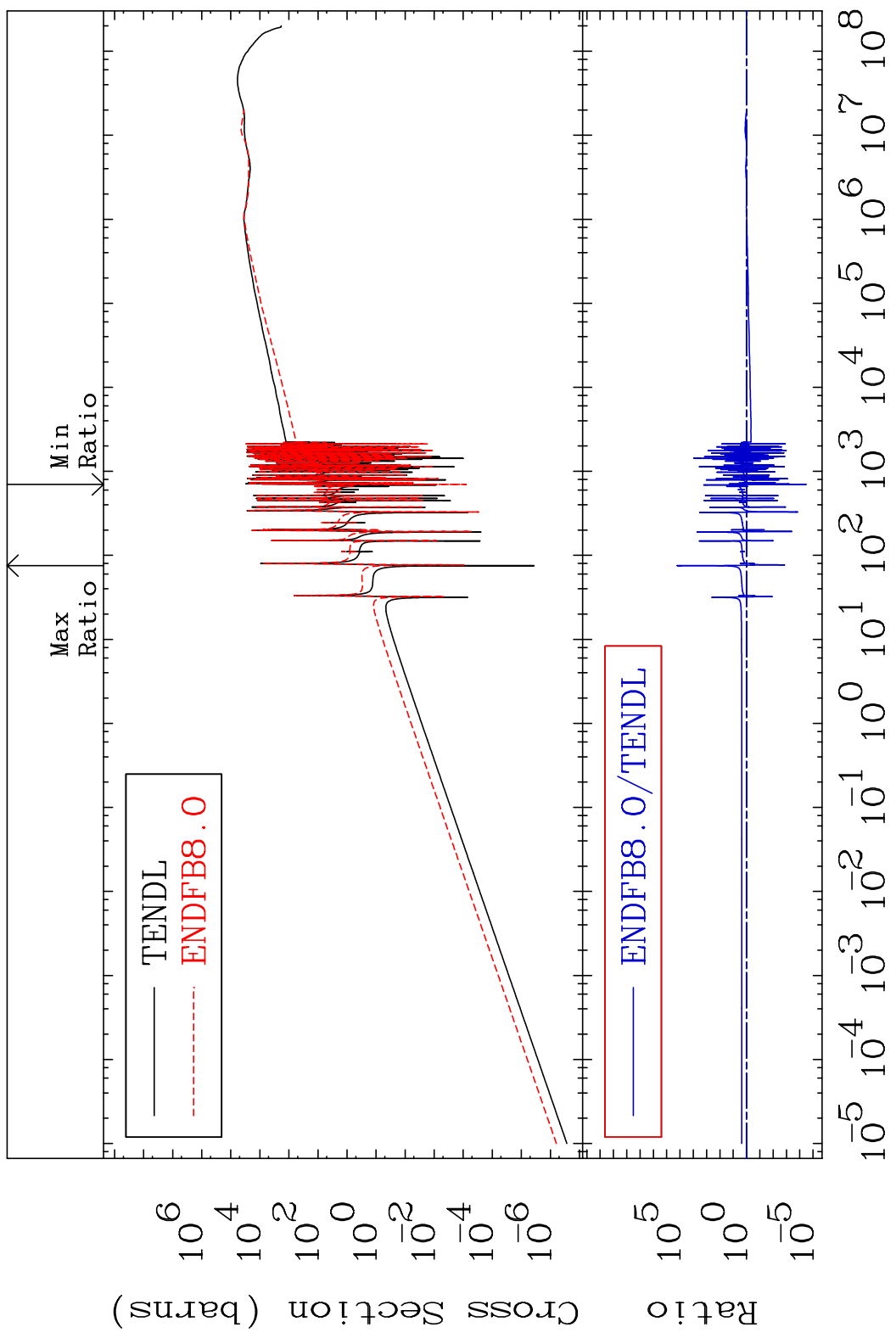
64-Gd-156

MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section -90.27 To 1587. %

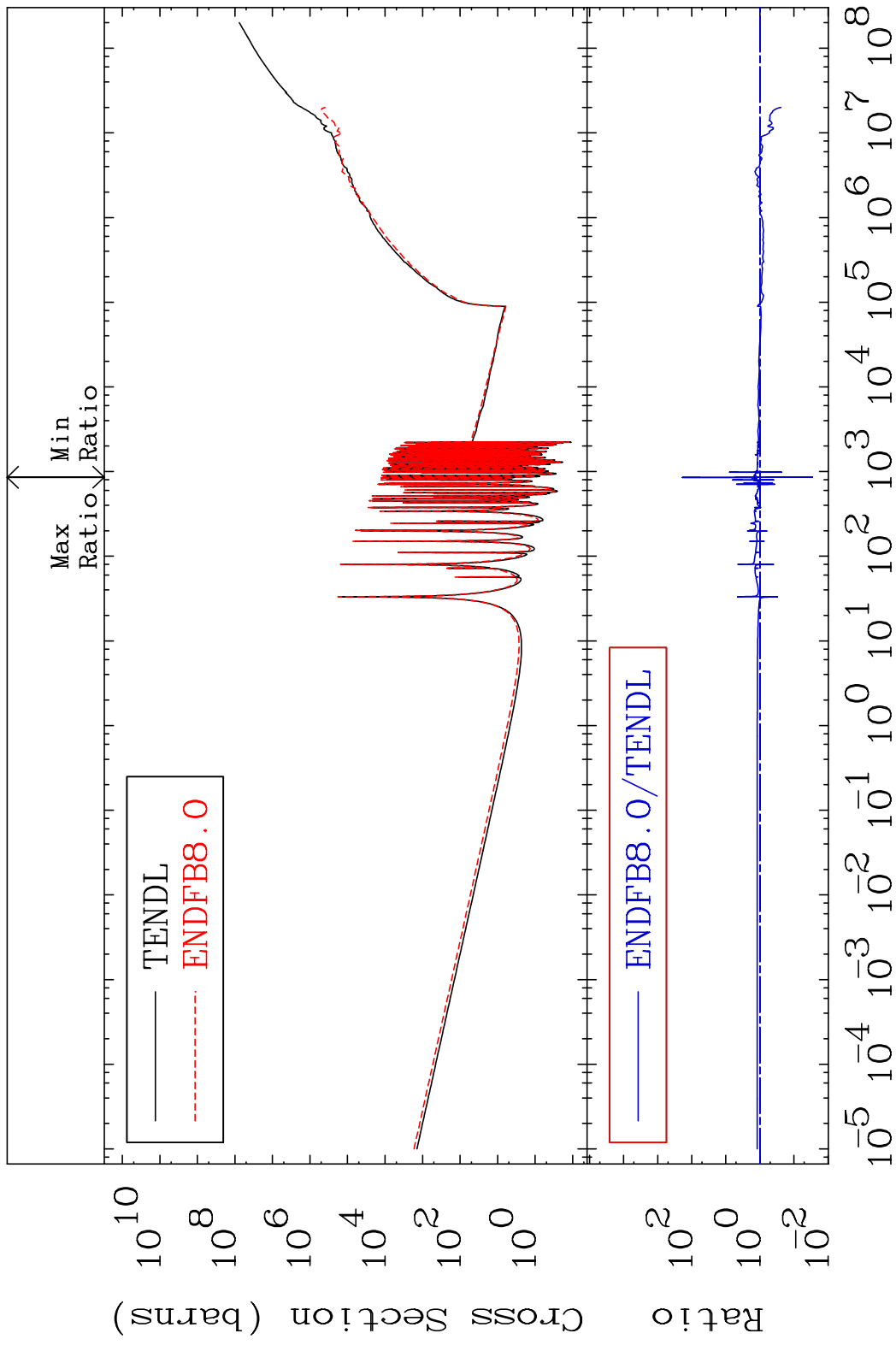


MAT 6437

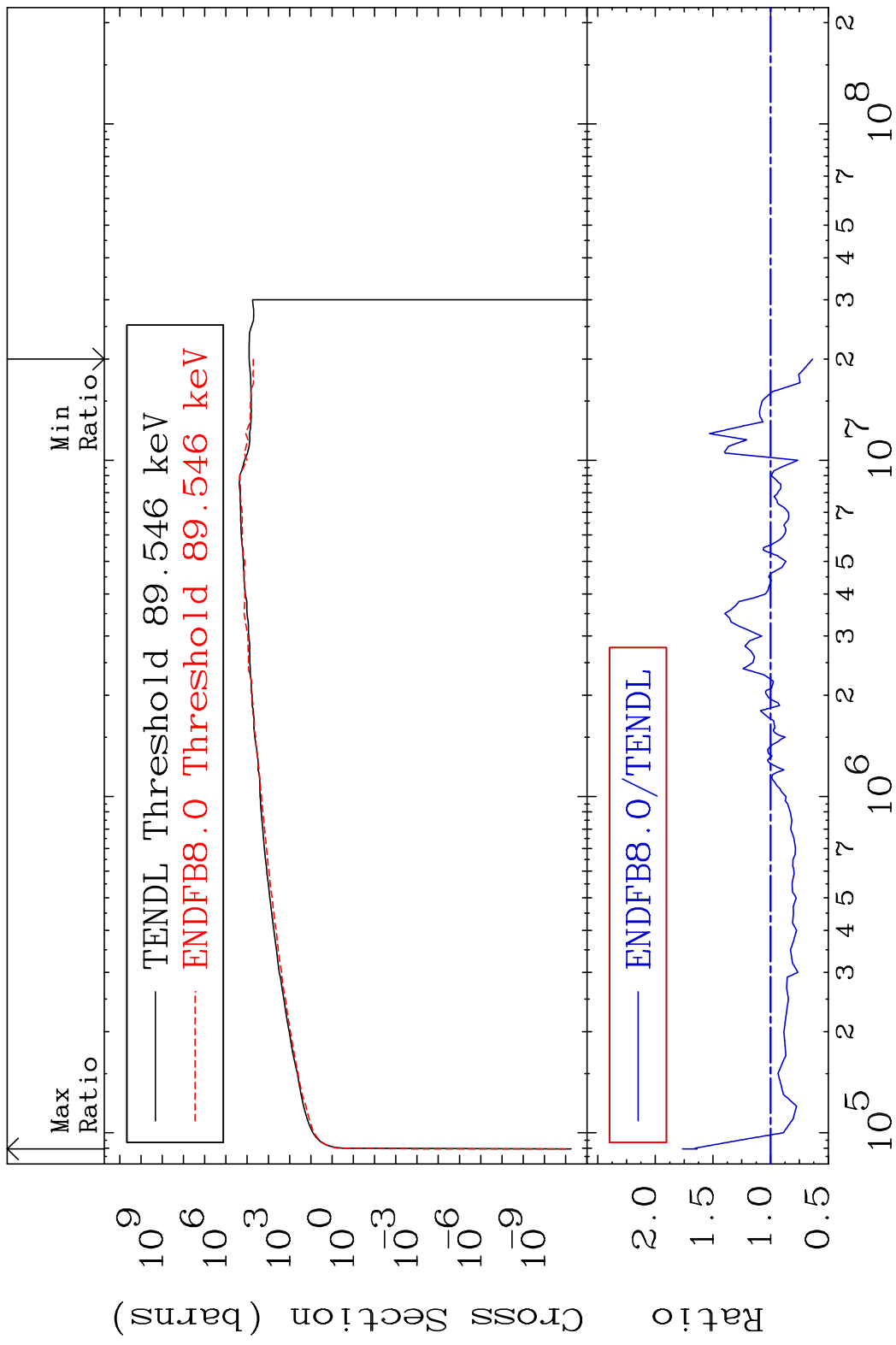
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-156



MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 Cross Section -97.16 To 9999. %

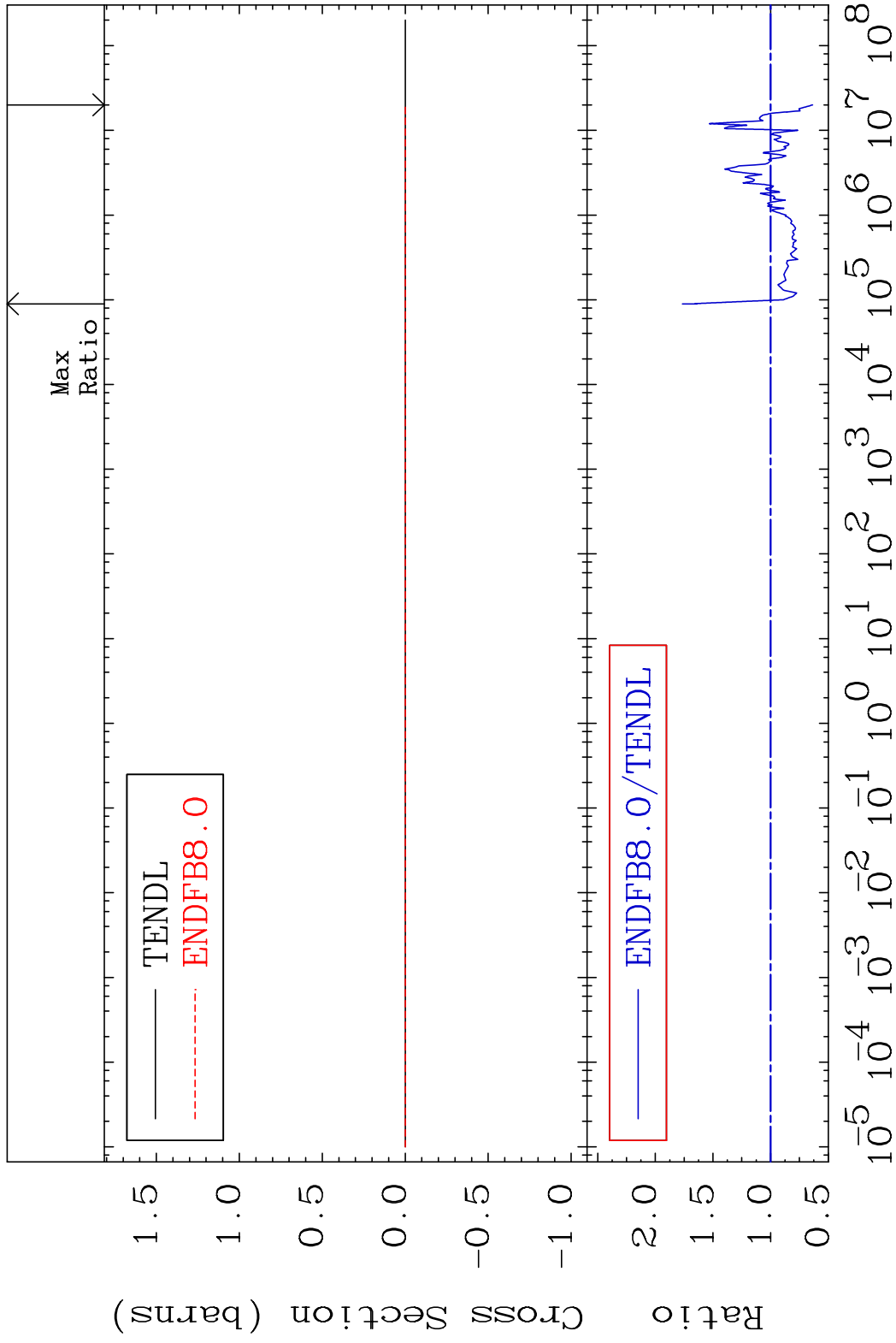


MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -36.39 To 76.56 %



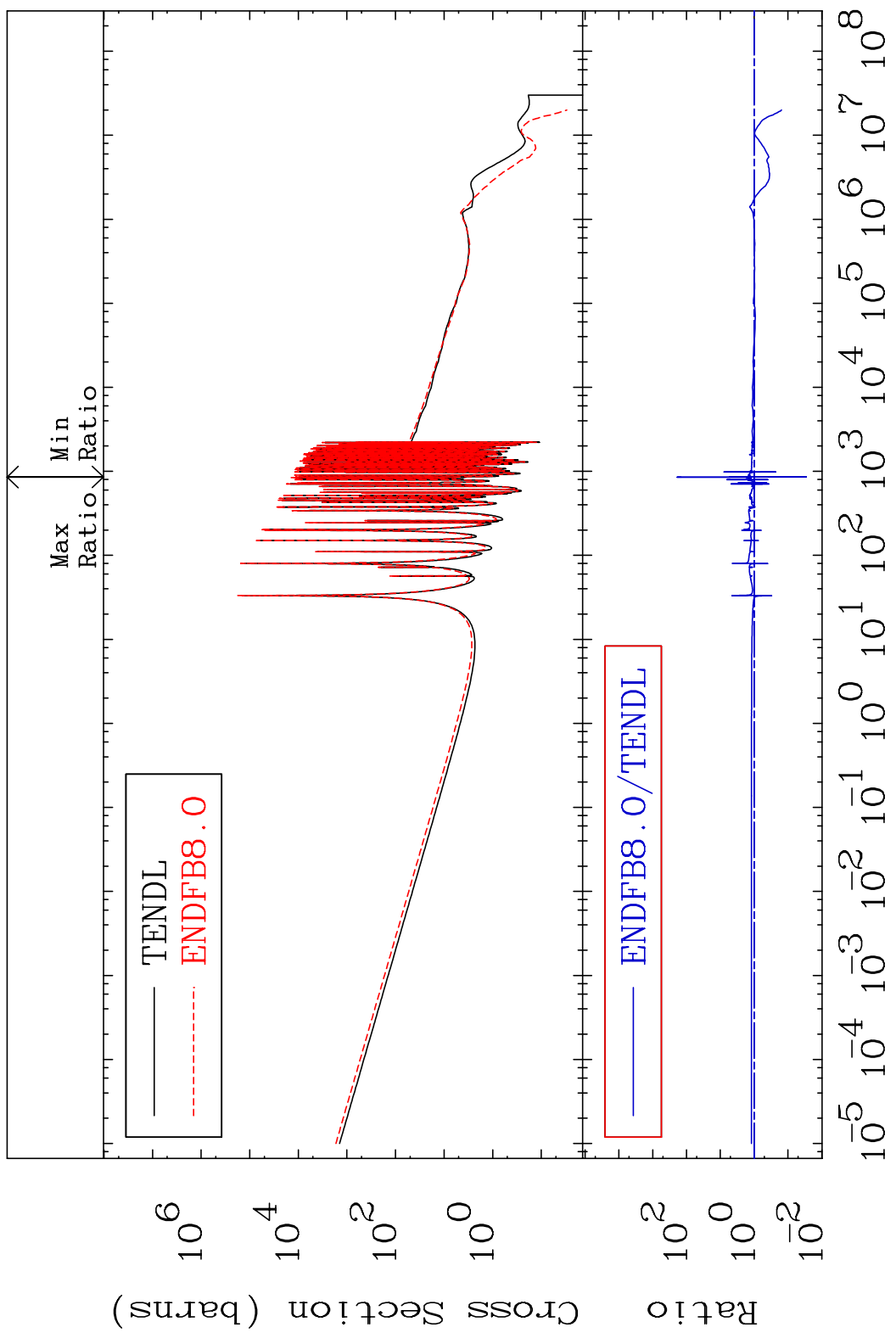
35 Incident Energy (eV) 64-Gd-156

MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section -36.39 To 76.56 %



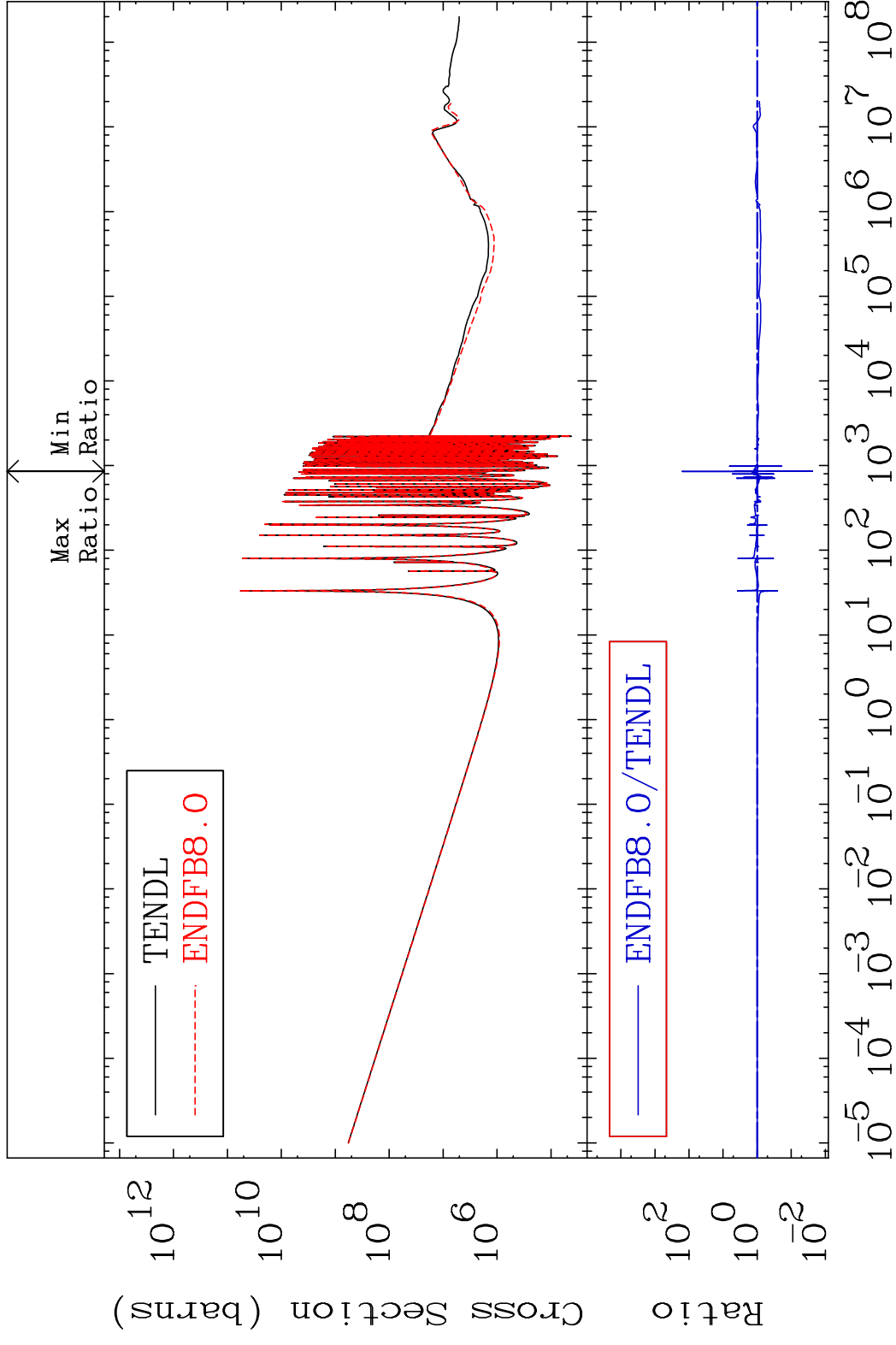
MAT 6437

Kerma capture (mt102) 64-Gd-156
Cross Section -97.16 To 9999. %



MAT 6437

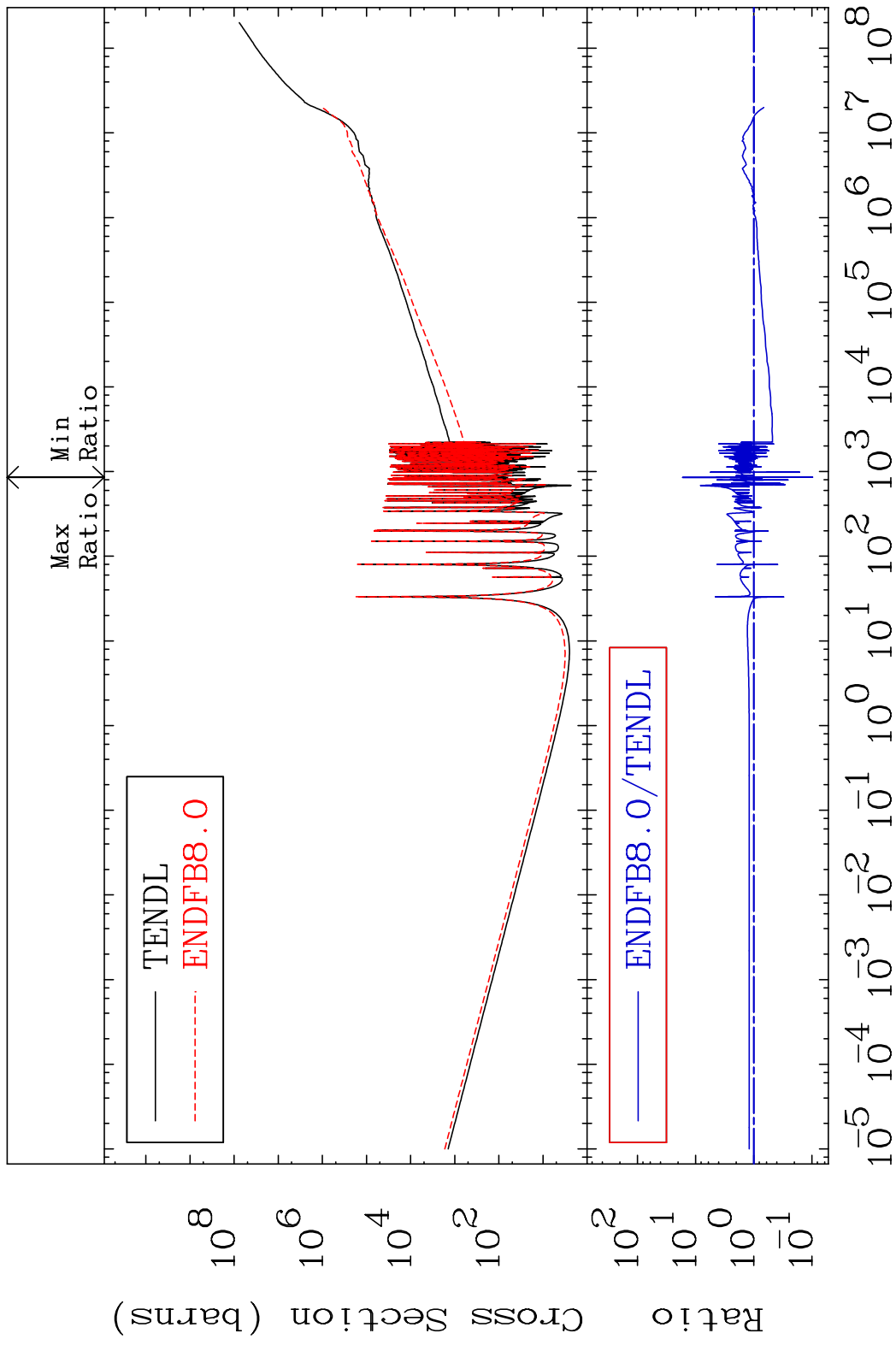
Total photon (eV-barns) 64-Gd-156
Cross Section -97.64 To 9999. %



38

Incident Energy (eV) 64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -90.27 To 1587. %

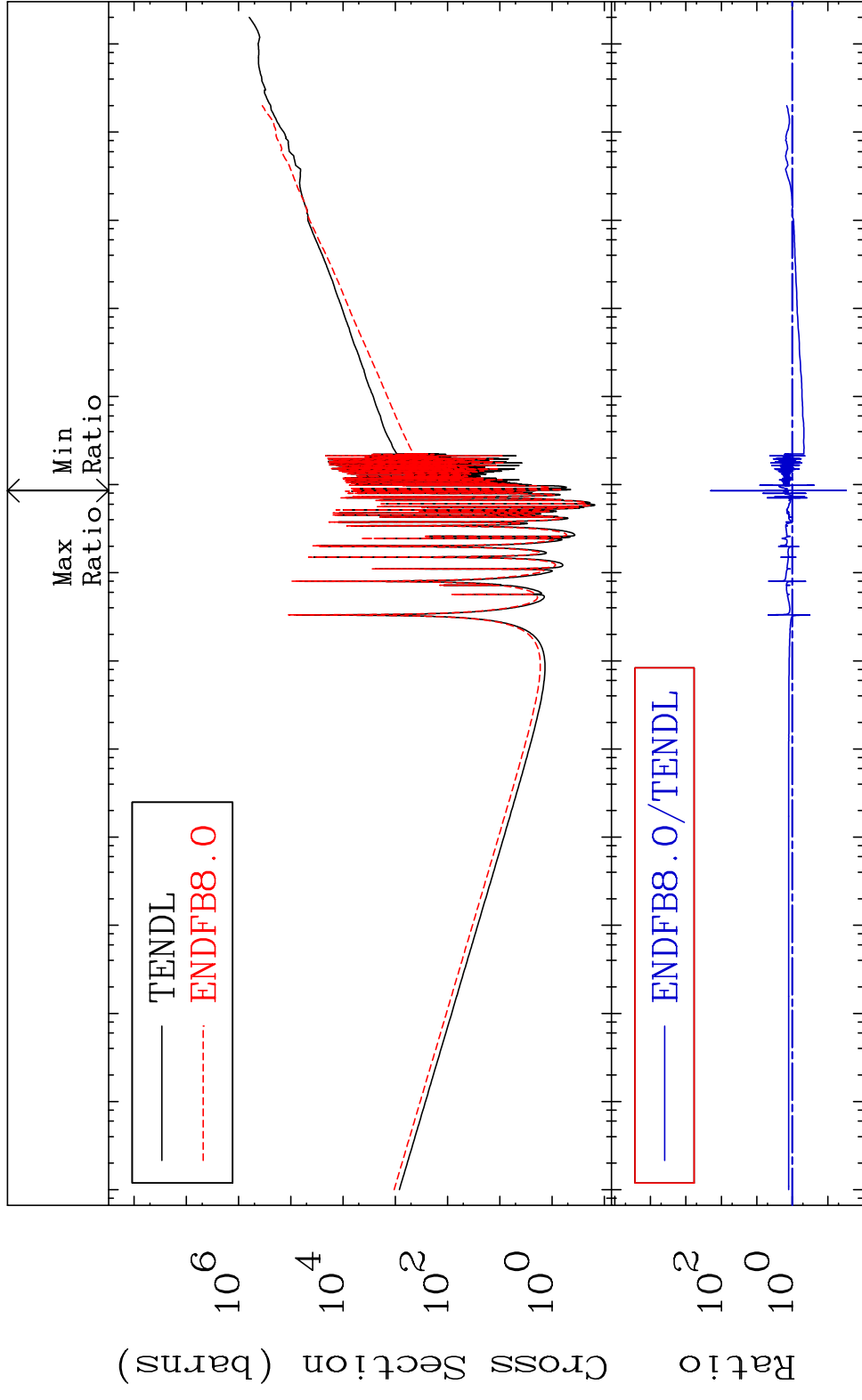


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -96.99 To 9999. %



40

Incident Energy (eV)

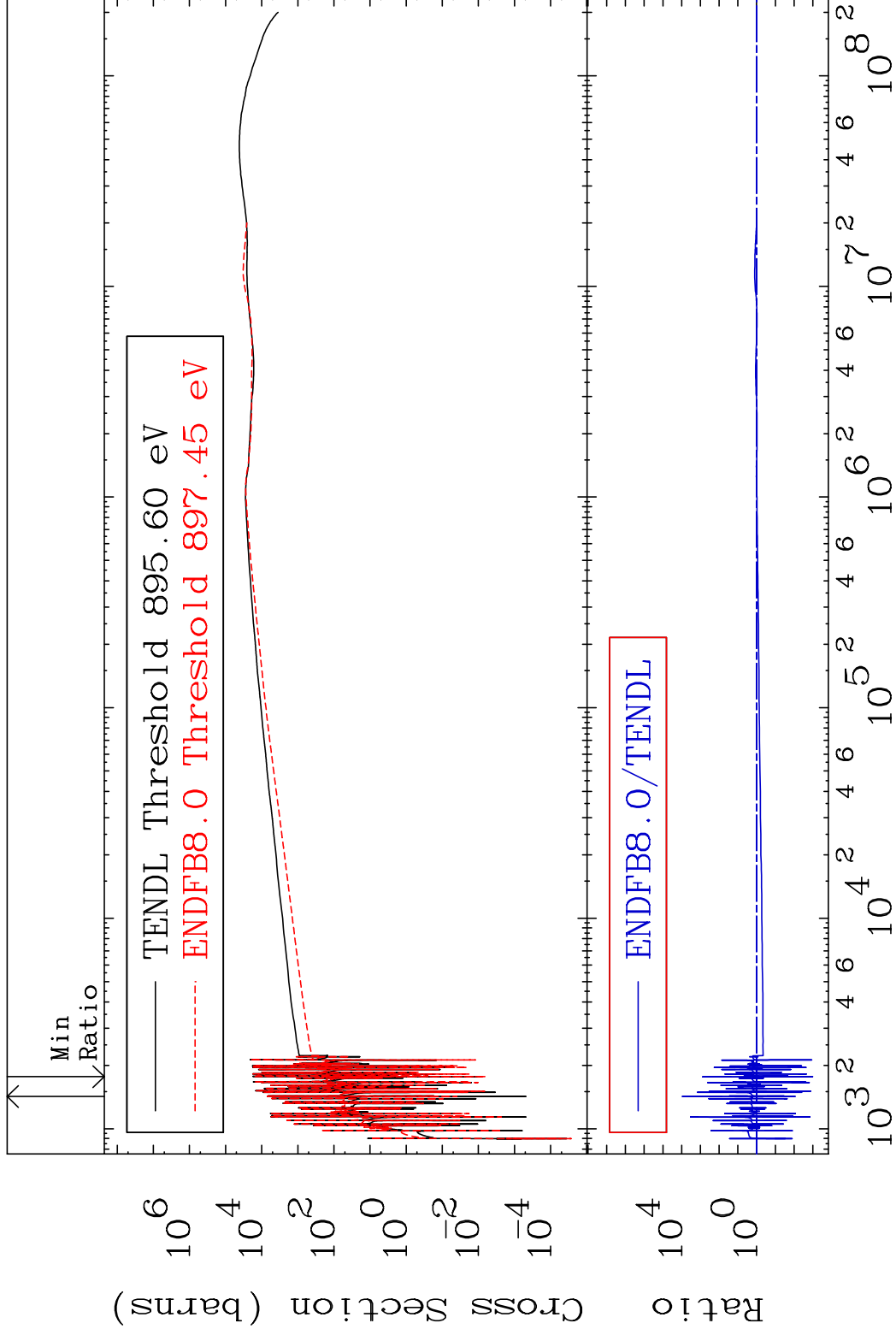
64-Gd-156

MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -99.90 To 9999. %



41

Incident Energy (eV)

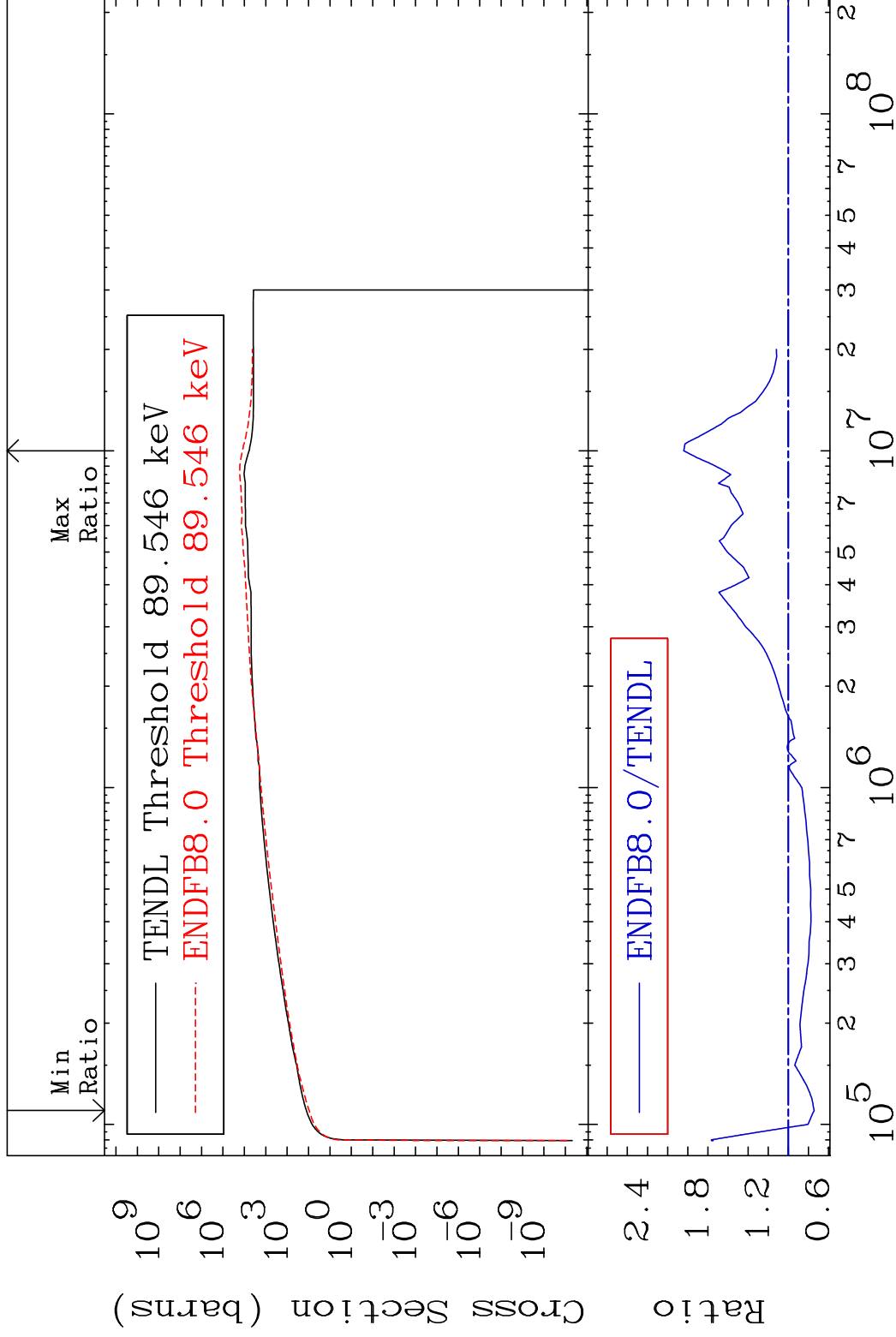
64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)

64-Gd-156

Cross Section -25.60 To 104.1 %



42

Incident Energy (eV)

64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -96.99 To 9999. %

