

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

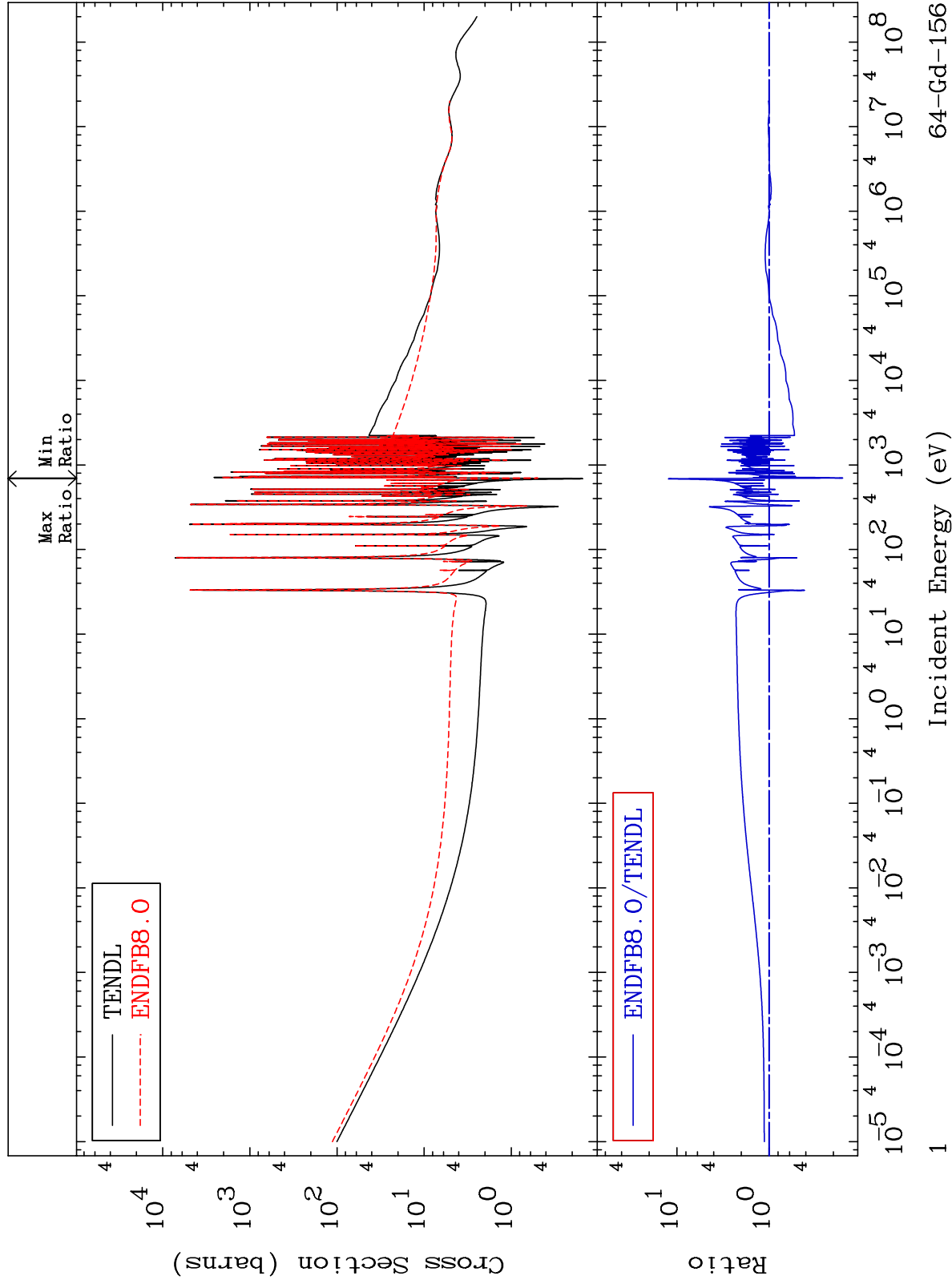
MAT 6437

Total

64-Gd-156

-84.18 To 1150. %

Cross Section



64-Gd-156

Incident Energy (eV)

1

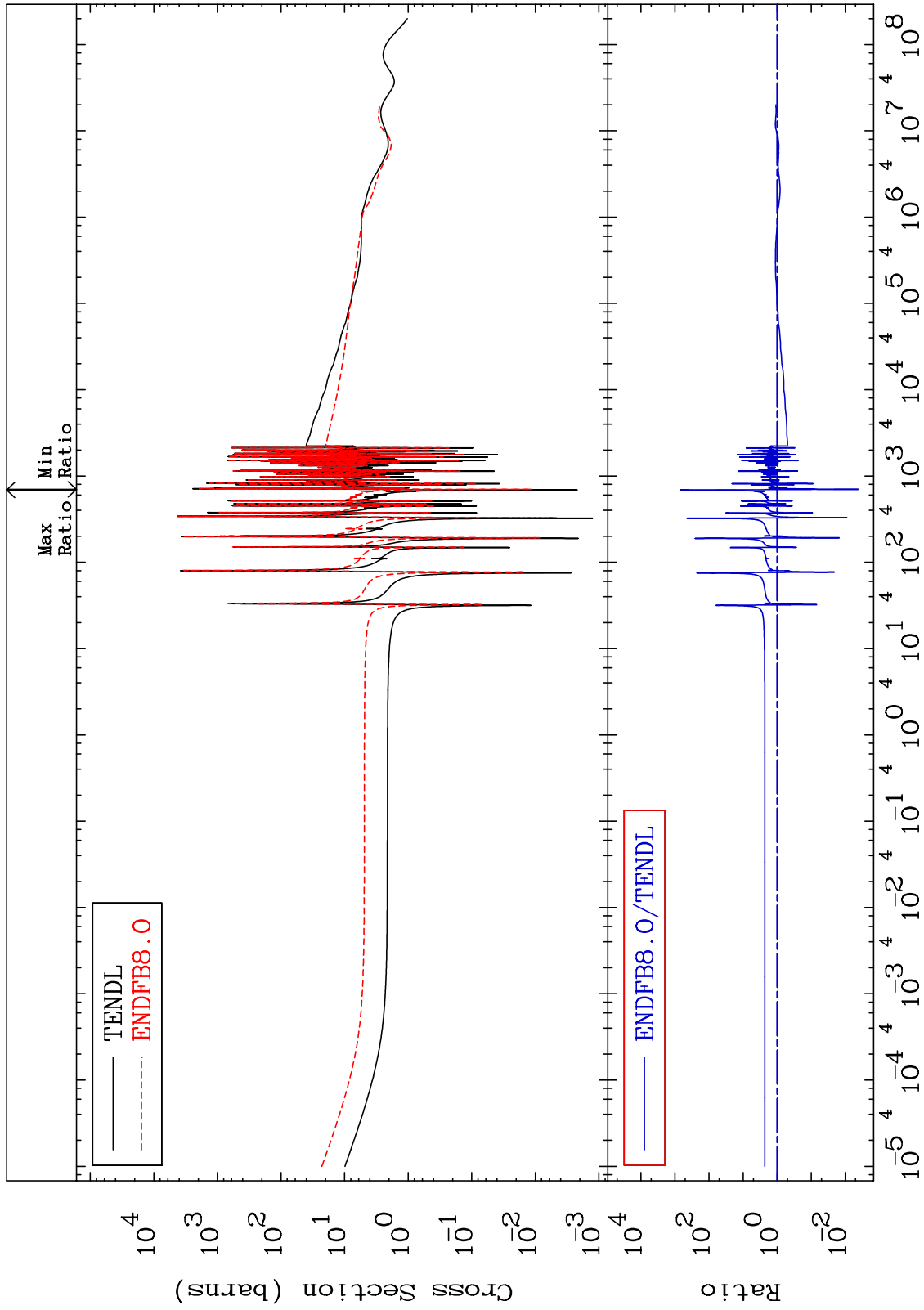
MAT 6437

Elastic

64-Gd-156

Cross Section

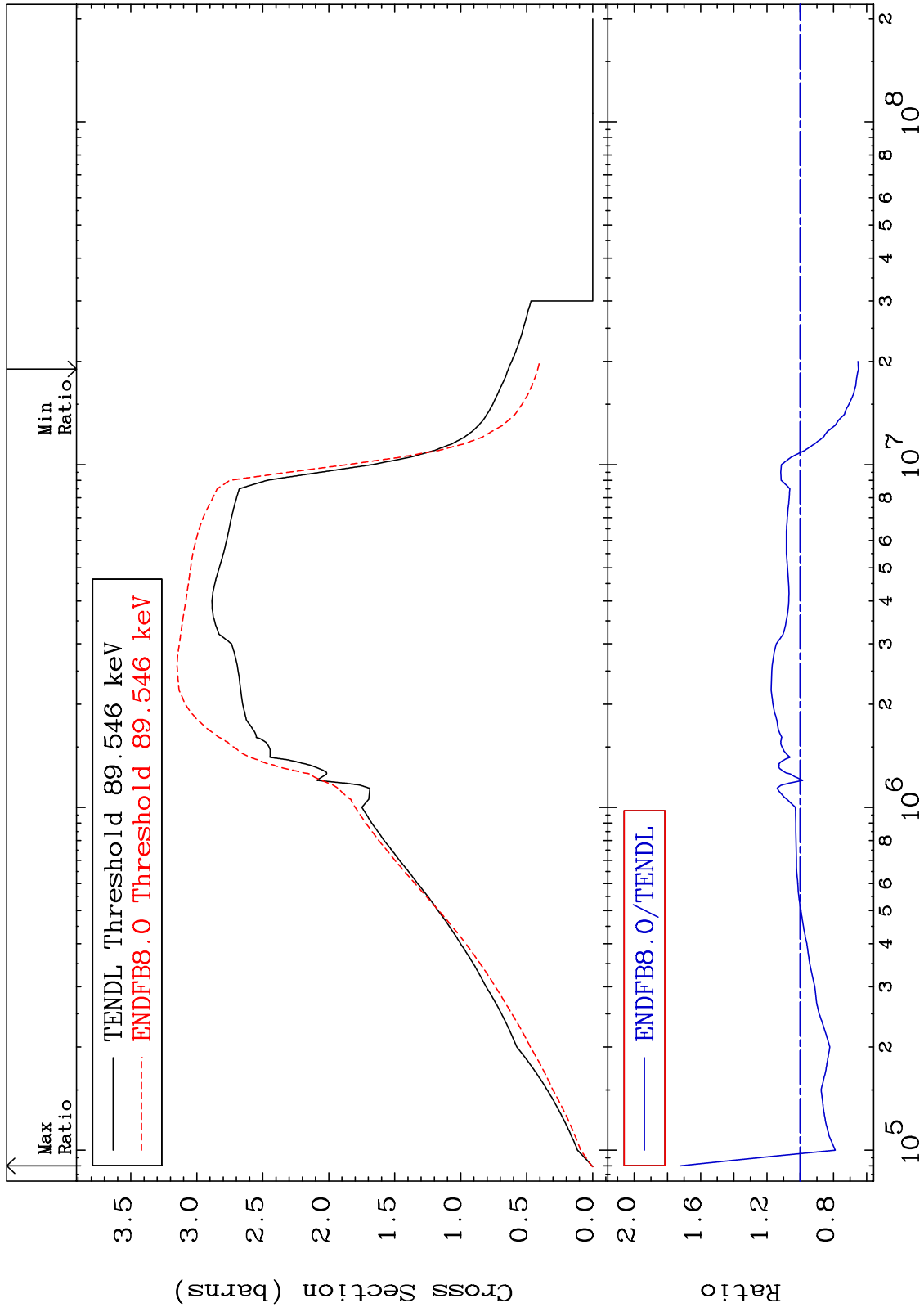
-99.59 To 9999. %



MAT 6437

Inelastic
Cross Section

64-Gd-156
-35.05 To 72.42 %



Incident Energy (eV)

3

64-Gd-156

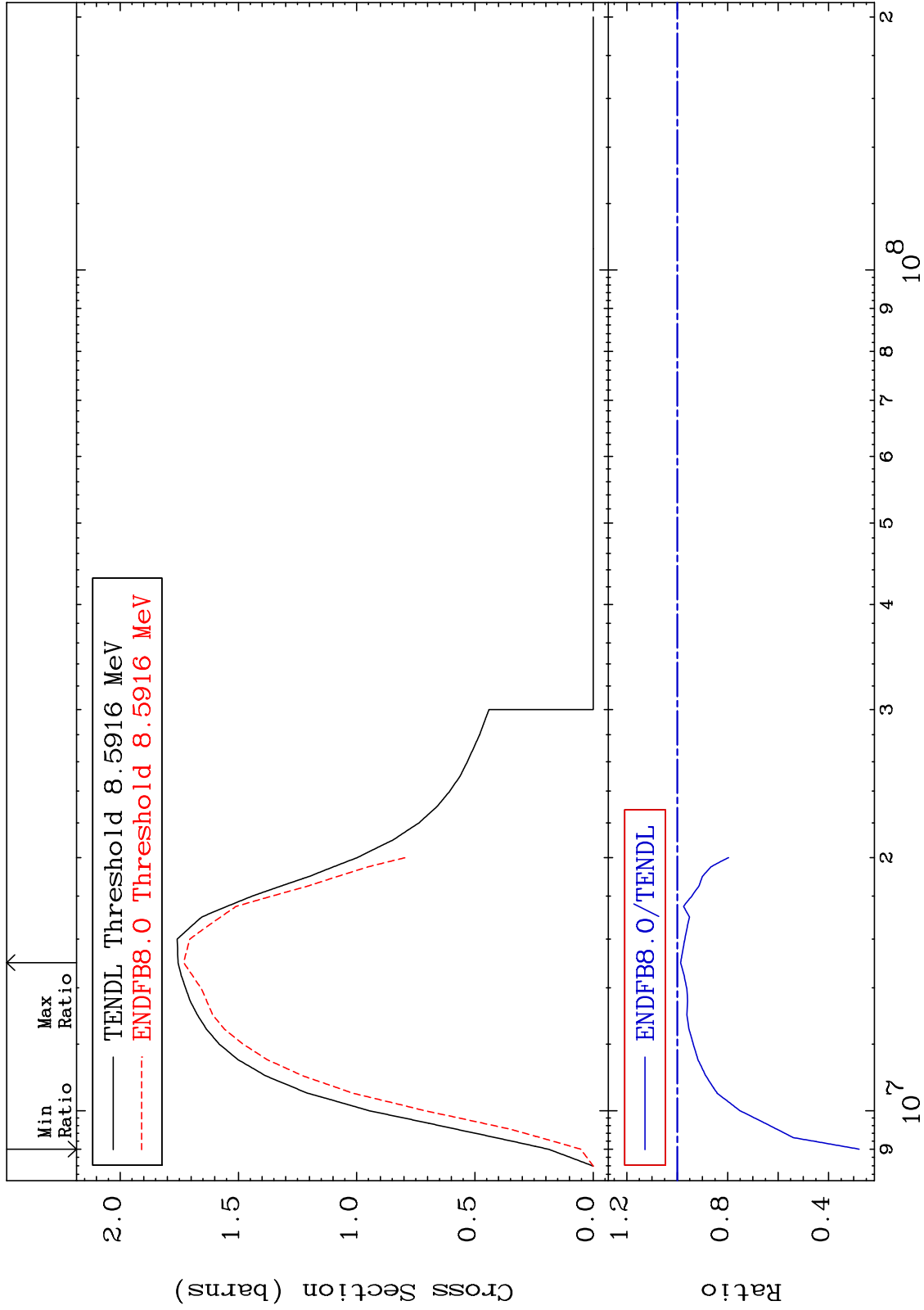
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-72.16 To -1.352%



4

Incident Energy (eV)

64-Gd-156

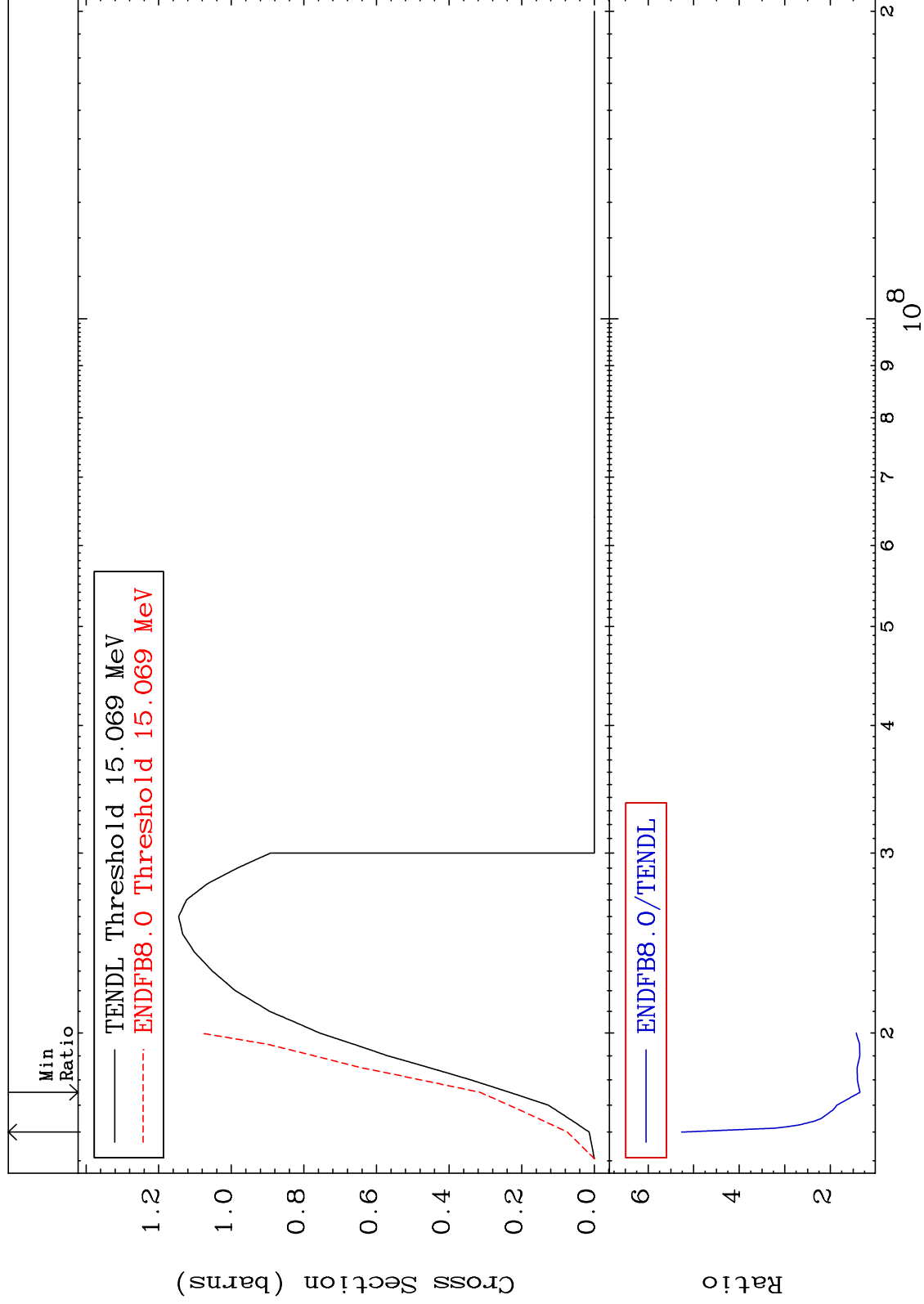
MAT 6437

(n,3n)

64-Gd-156

Cross Section

34.85 To 426.4 %



5

Incident Energy (eV)

64-Gd-156

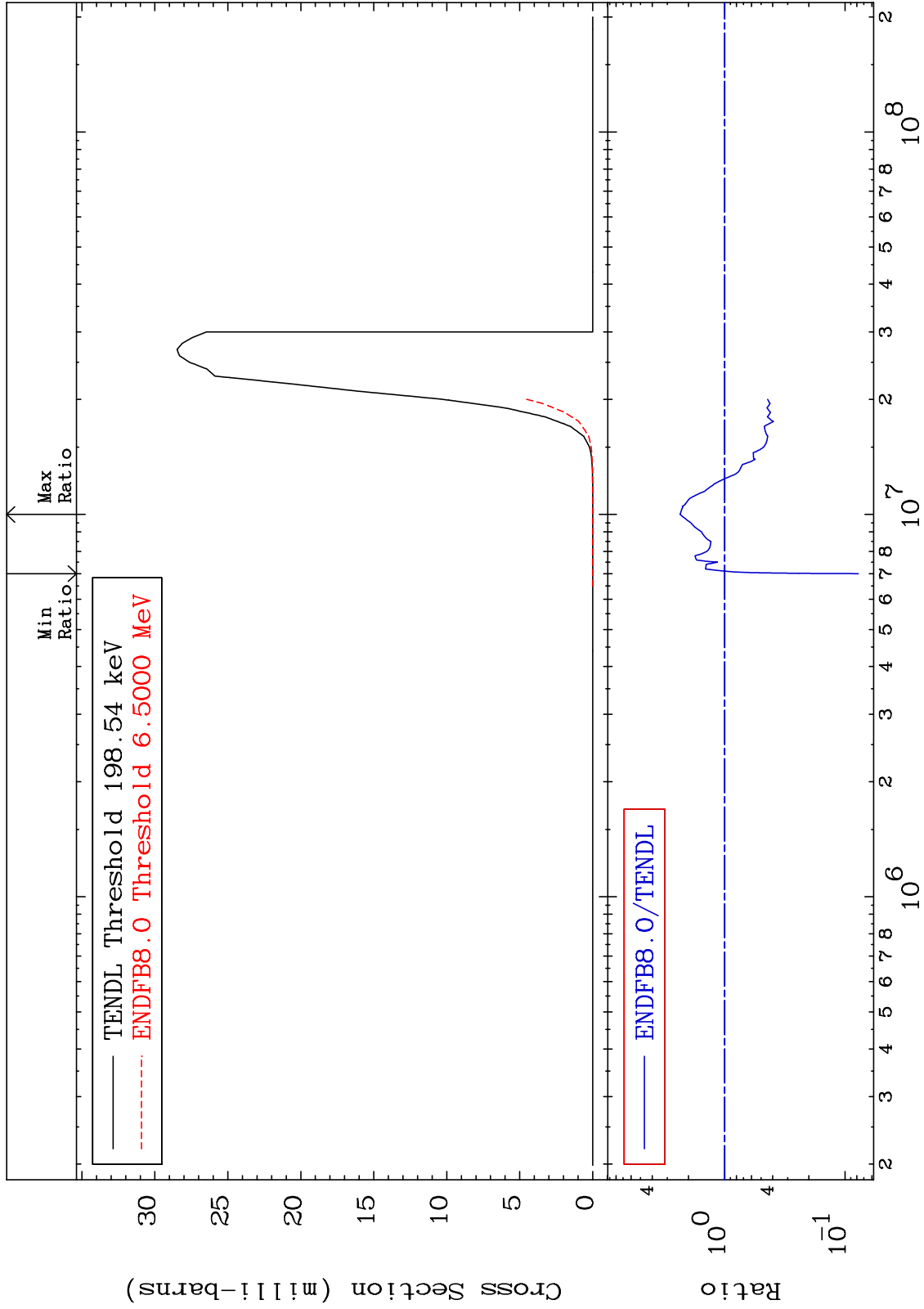
MAT 6437

(n, n') α

64-Gd-156

Cross Section

-92.24 To 135.1 %



6

Incident Energy (eV)

64-Gd-156

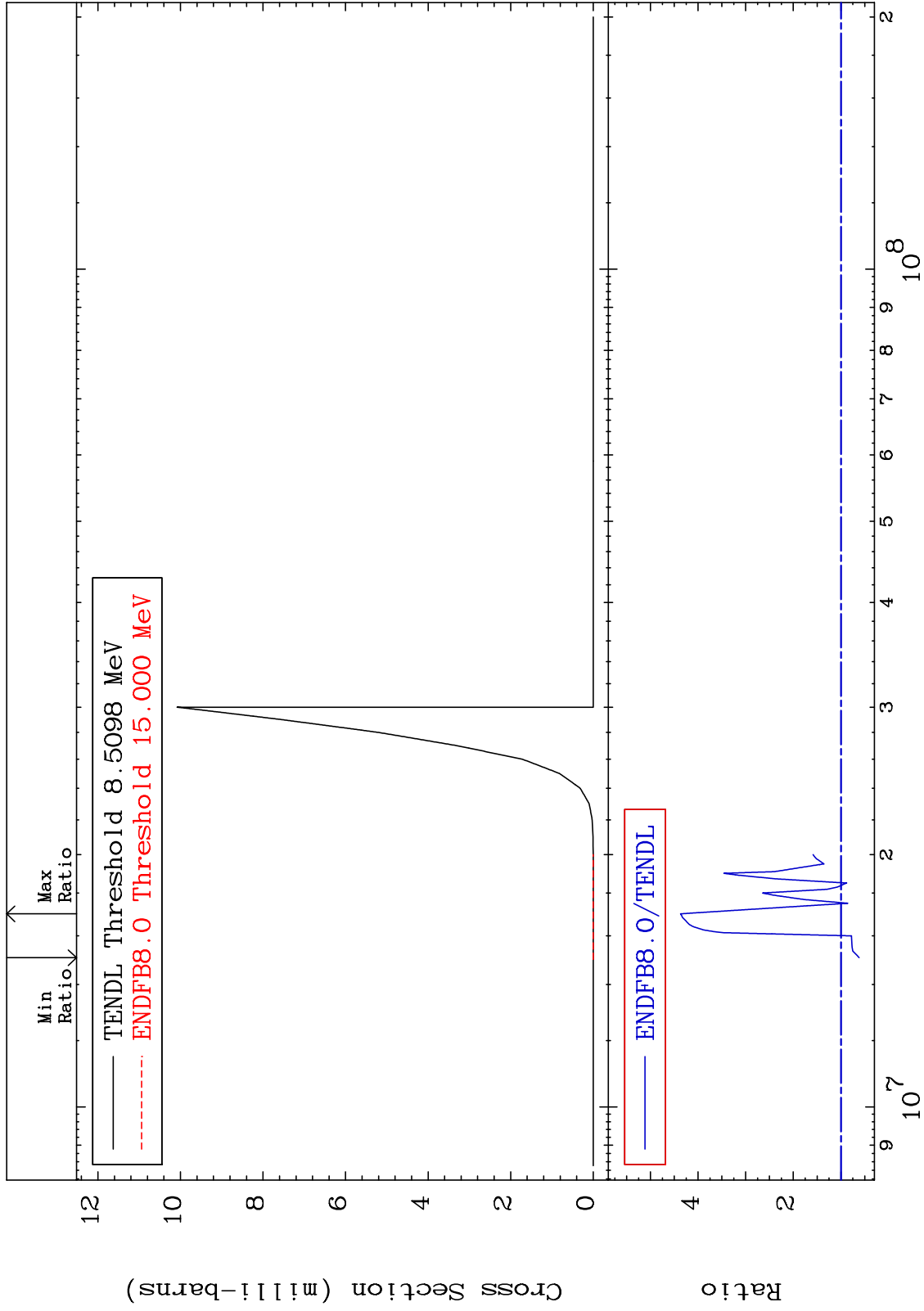
MAT 6437

(n,2n) α

64-Gd-156

Cross Section

-38.35 To 336.7 %



7

Incident Energy (eV)

64-Gd-156

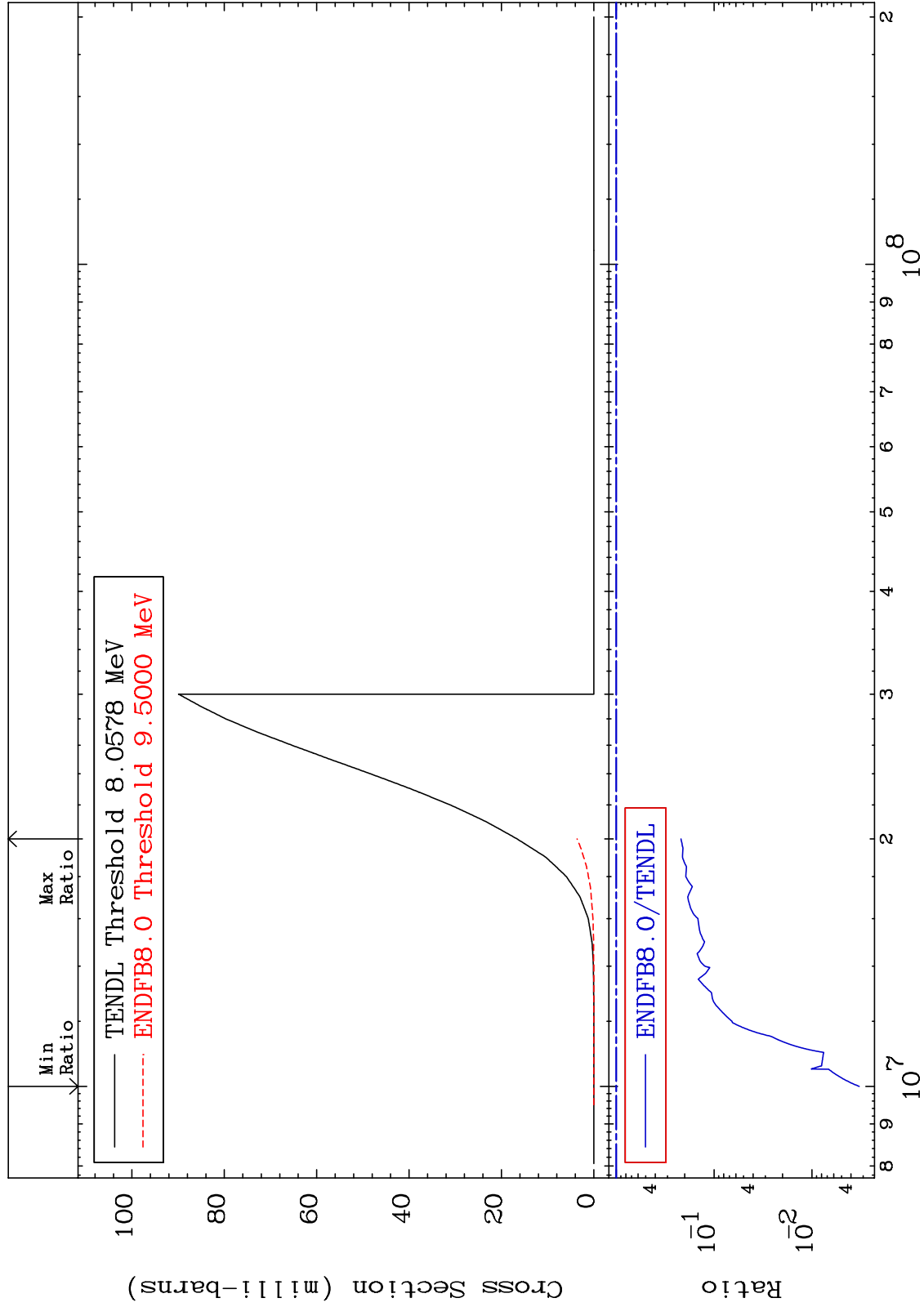
MAT 6437

(n,n') p

64-Gd-156

Cross Section

-99.67 To -78.21%



8

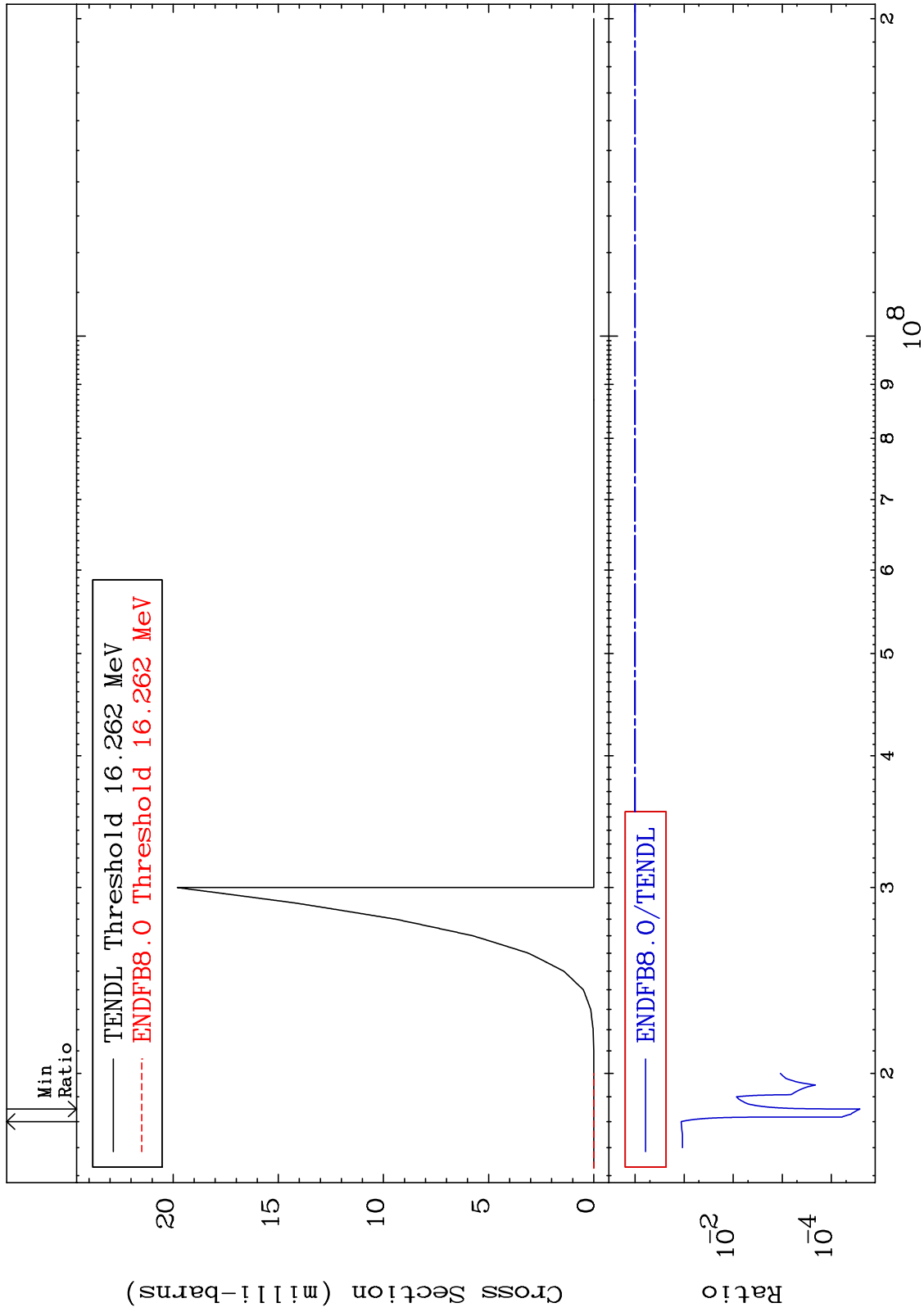
Incident Energy (eV)

64-Gd-156

MAT 6437

(n,2n) p
Cross Section

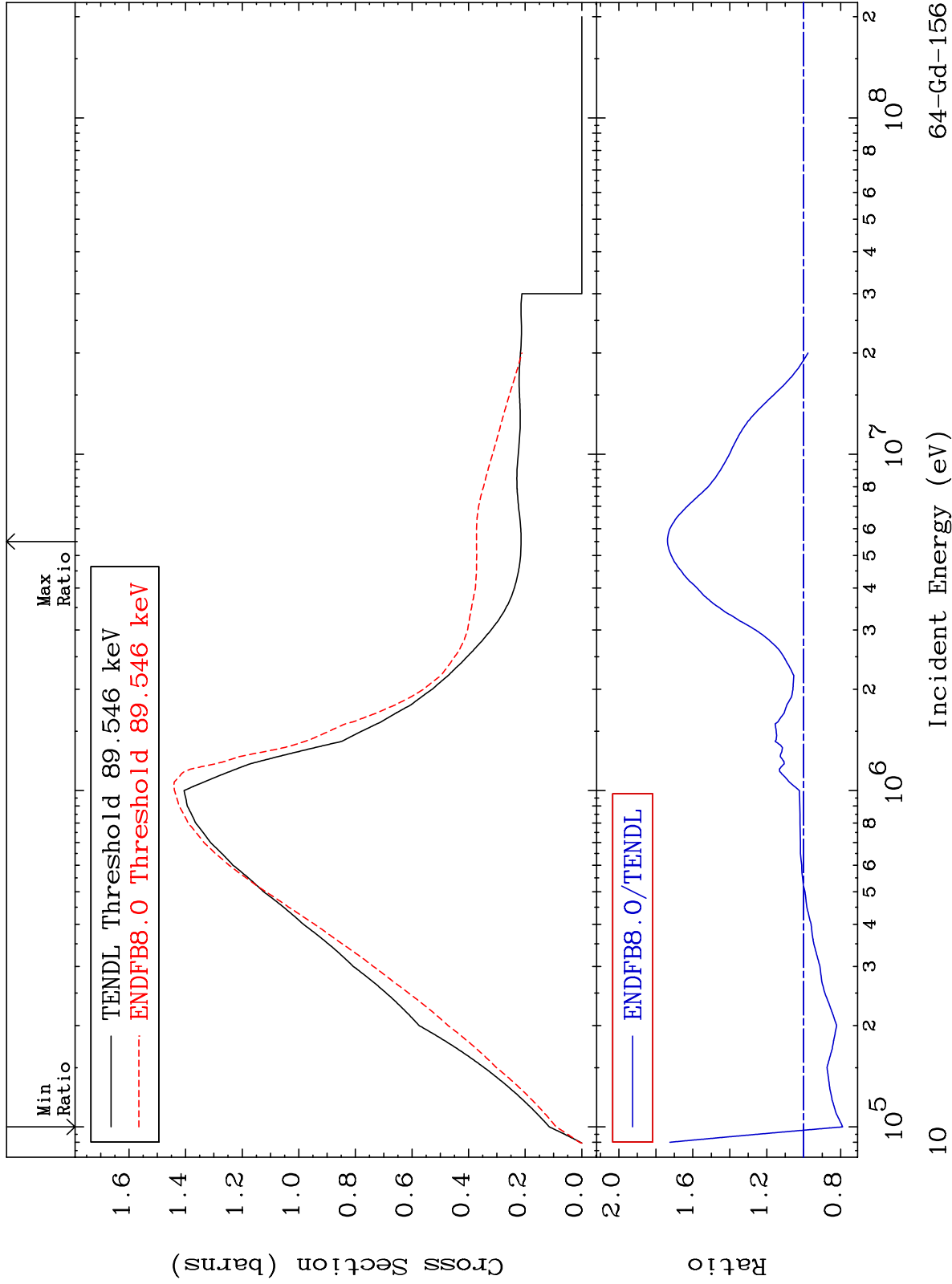
64-Gd-156
-100.0 To -88.52%



MAT 6437

MT= 51 (n, n') Level
Cross Section

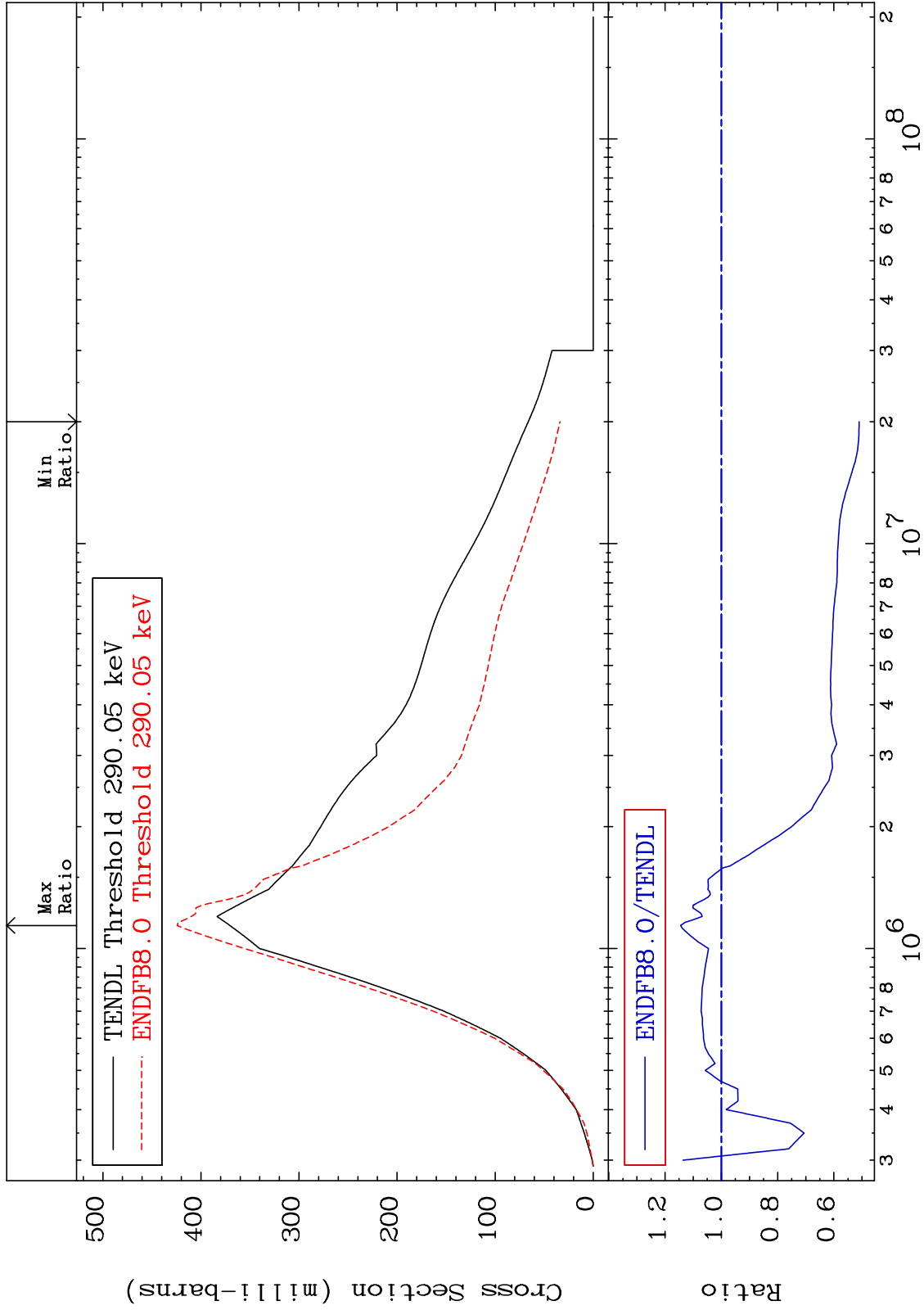
64-Gd-156
-21.08 To 73.66 %



MAT 6437

MT= 52 (n,n') Level
Cross Section

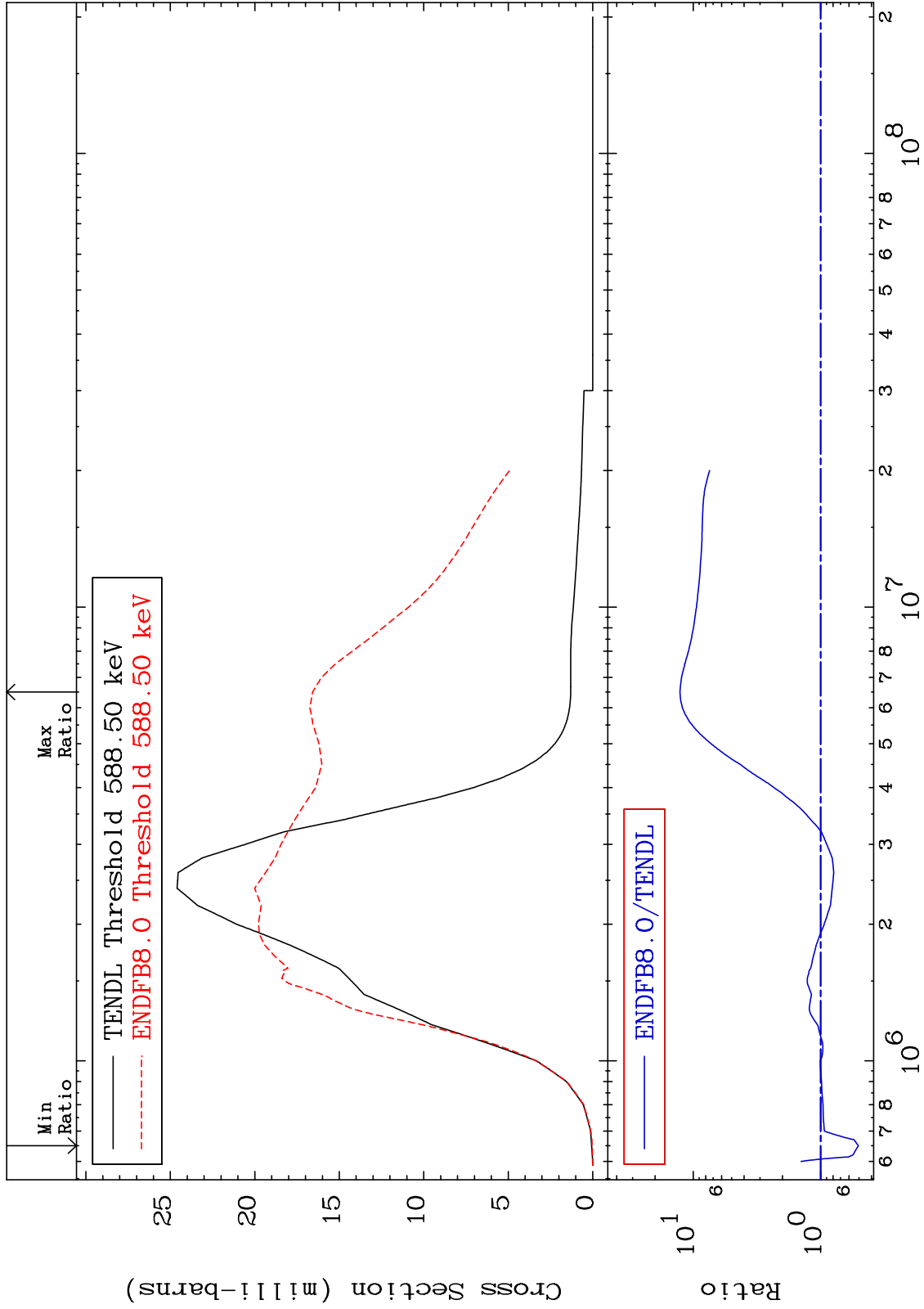
64-Gd-156
-48.98 To 14.47 %



MAT 6437

MT= 53 (n,n') Level
Cross Section

64-Gd-156
-49.42 To 1172. %



12

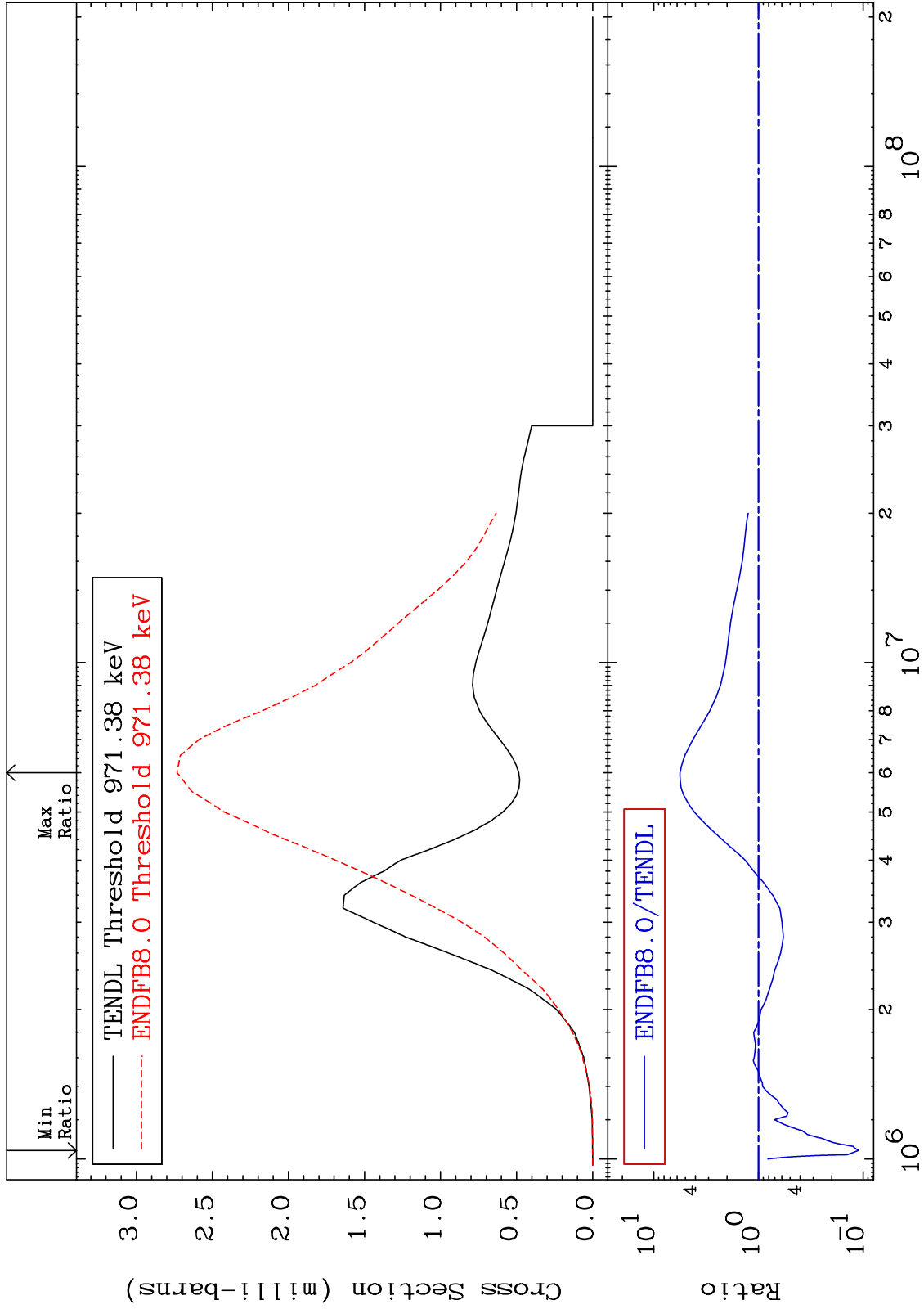
Incident Energy (eV)

64-Gd-156

MAT 6437

MT= 54 (n,n') Level
Cross Section

64-Gd-156
-88.89 To 462.0 %



64-Gd-156

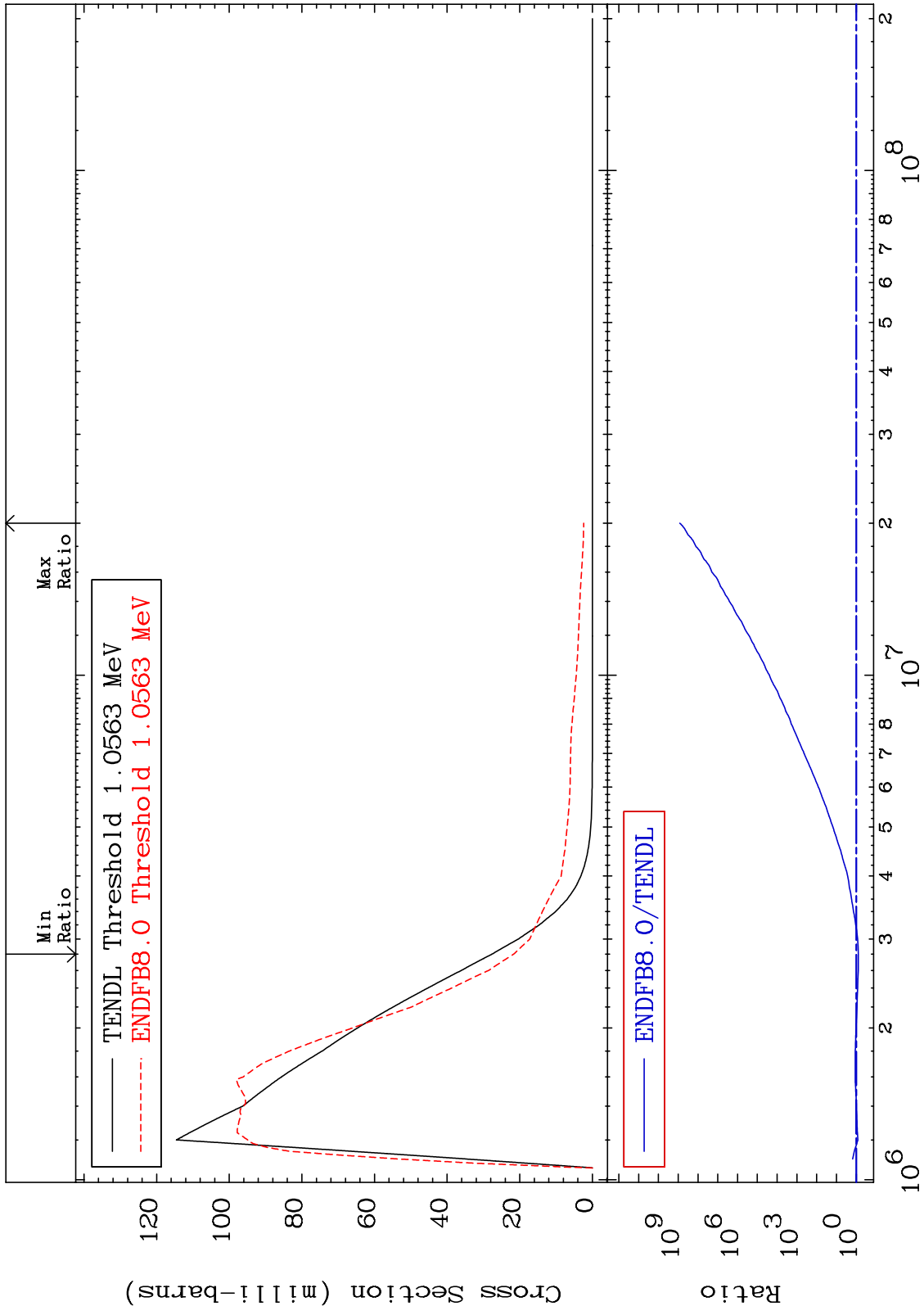
Incident Energy (eV)

13

MAT 6437

MT= 55 (n,n') Level
Cross Section

64-Gd-156
-21.65 To 9999. %



14

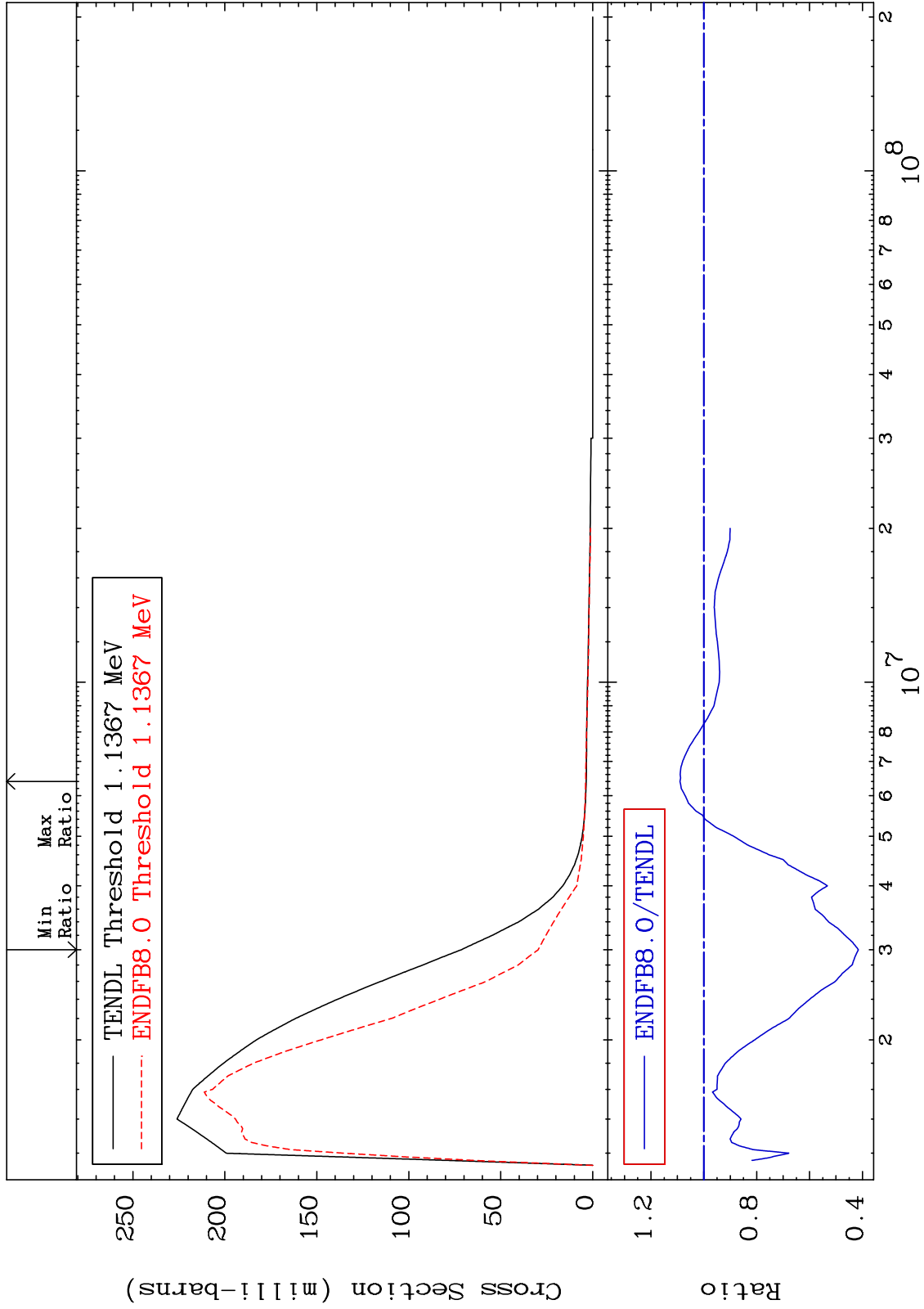
Incident Energy (eV)

64-Gd-156

MAT 6437

MT= 56 (n,n') Level
Cross Section

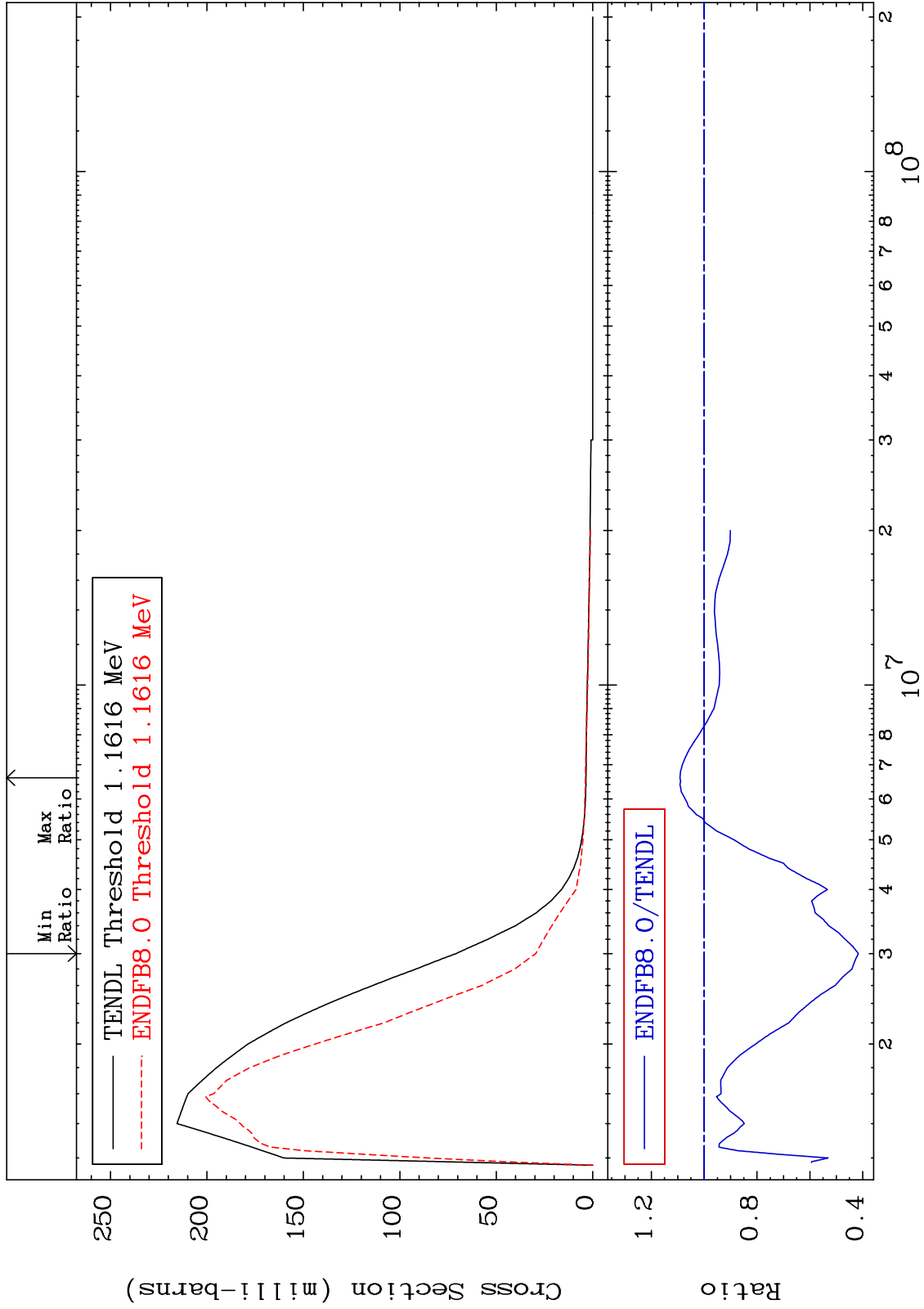
64-Gd-156
-58.48 To 9.002 %



MAT 6437

MT= 57 (n,n') Level
Cross Section

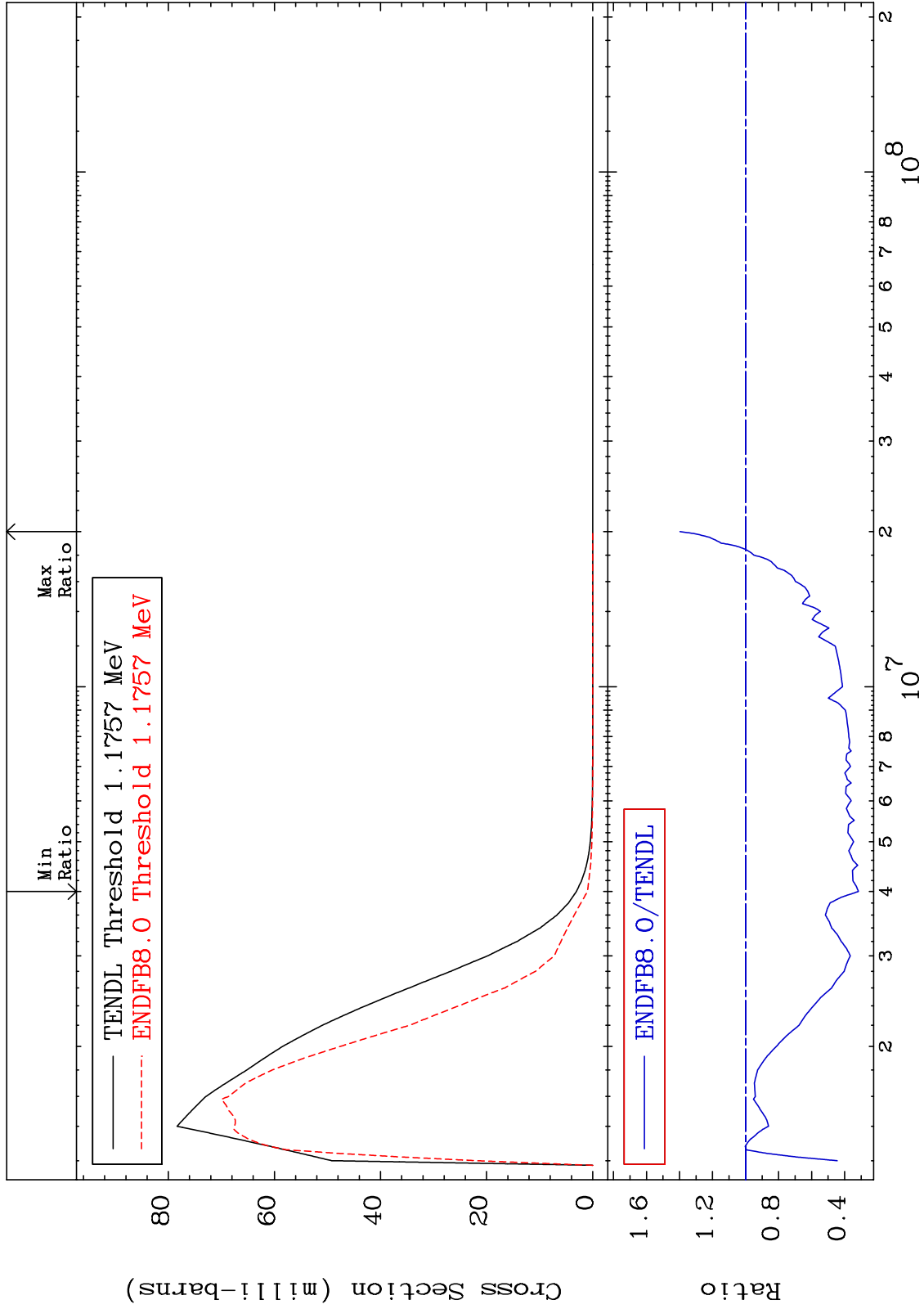
64-Gd-156
-58.36 To 9.140 %



MAT 6437

MT= 58 (n, n') Level
Cross Section

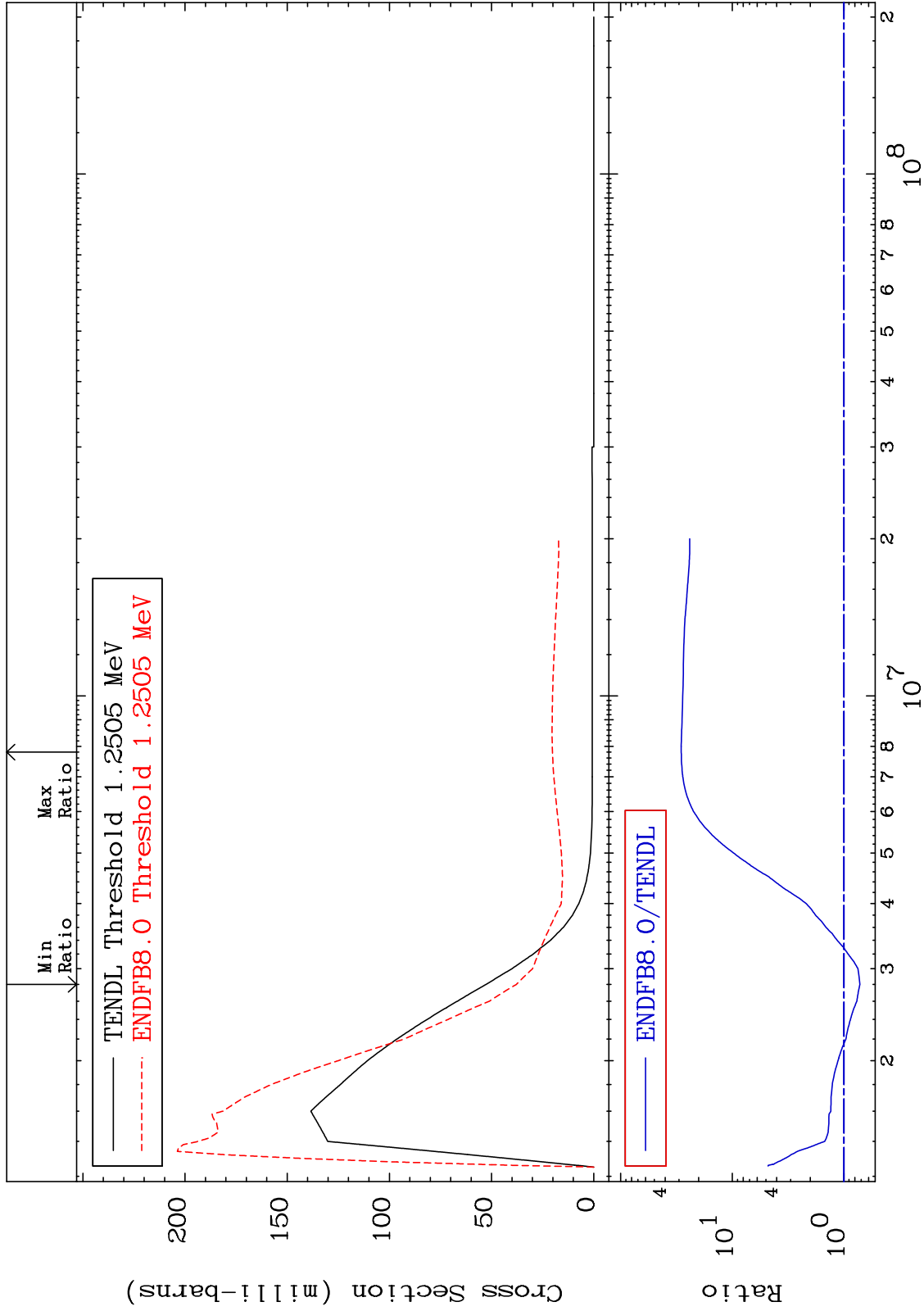
64-Gd-156
-68.33 To 39.69 %



MAT 6437

MT= 59 (n,n') Level
Cross Section

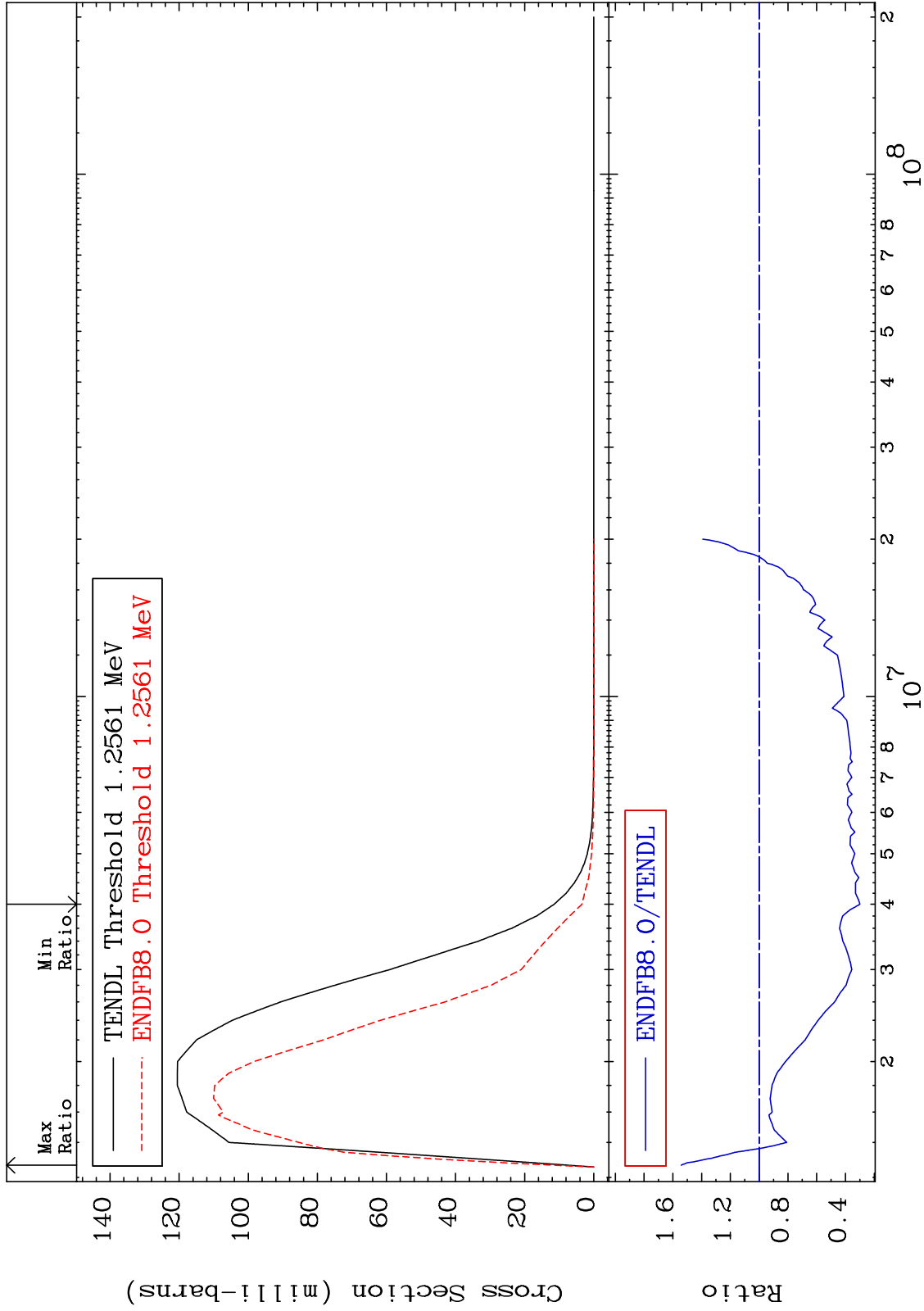
64-Gd-156
-28.09 To 2770. %



MAT 6437

MT= 60 (n,n') Level
Cross Section

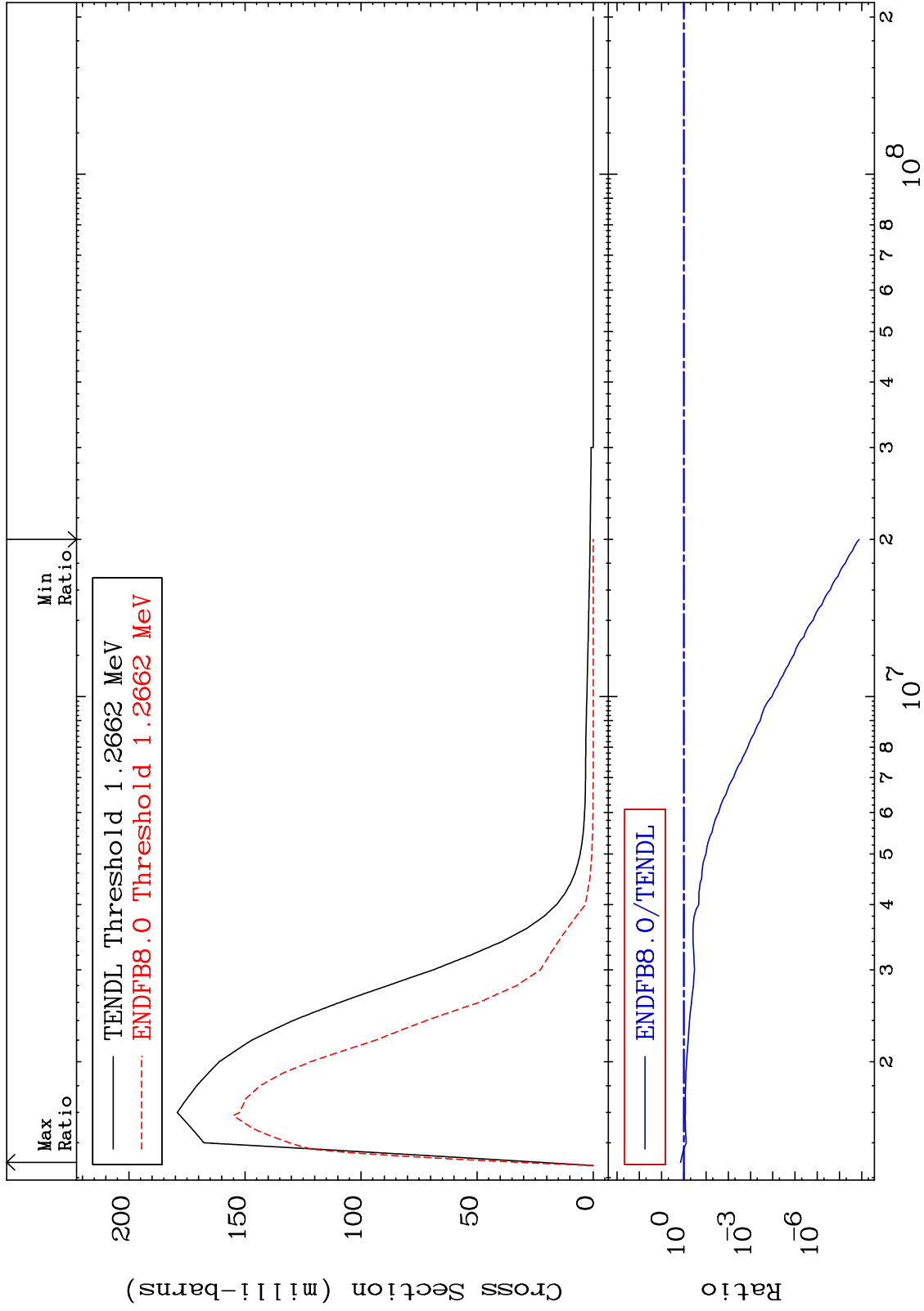
64-Gd-156
-70.07 To 54.17 %



MAT 6437

MT= 61 (n,n') Level
Cross Section

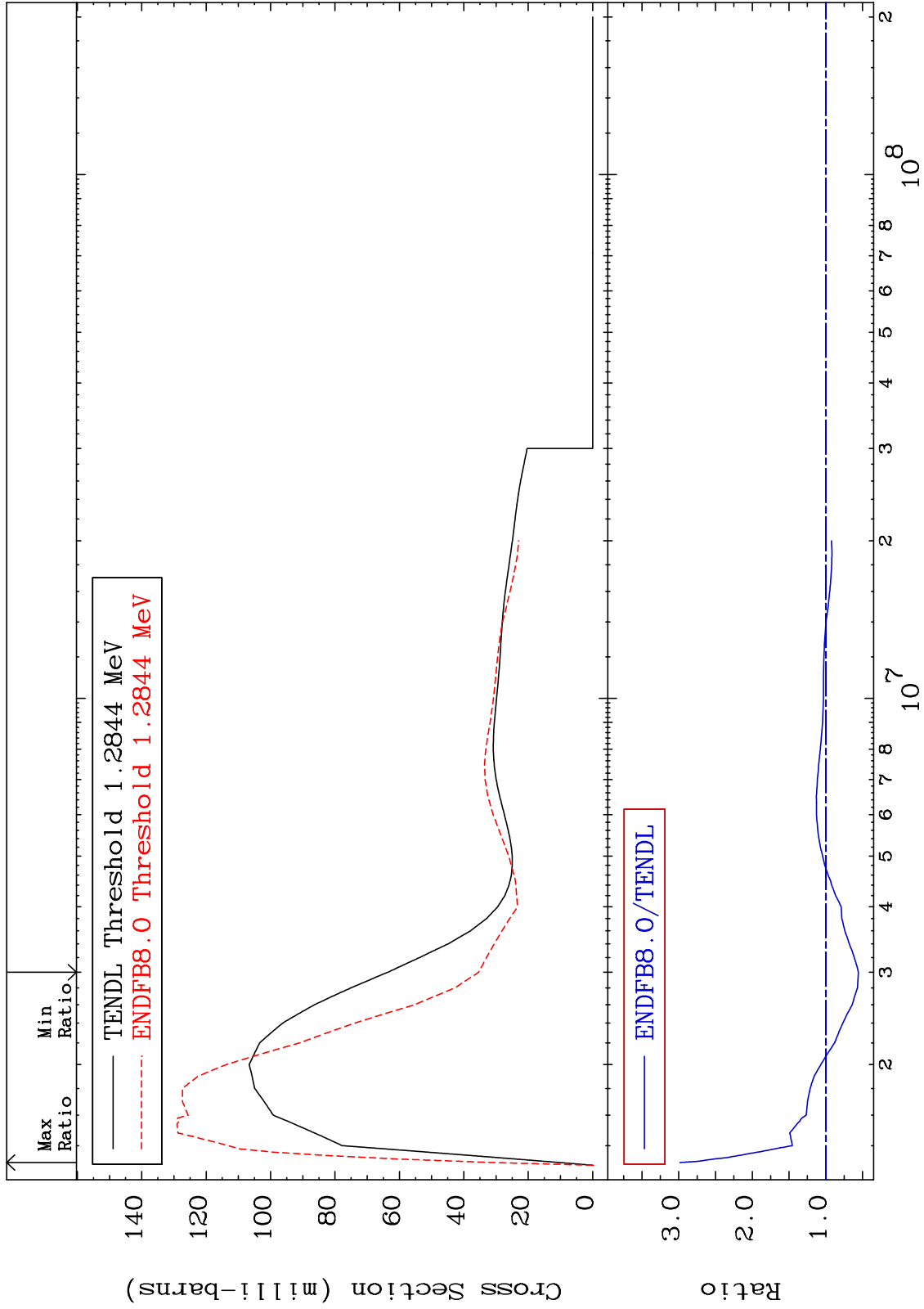
64-Gd-156
-100.0 To 39.37 %



MAT 6437

MT= 62 (n,n') Level
Cross Section

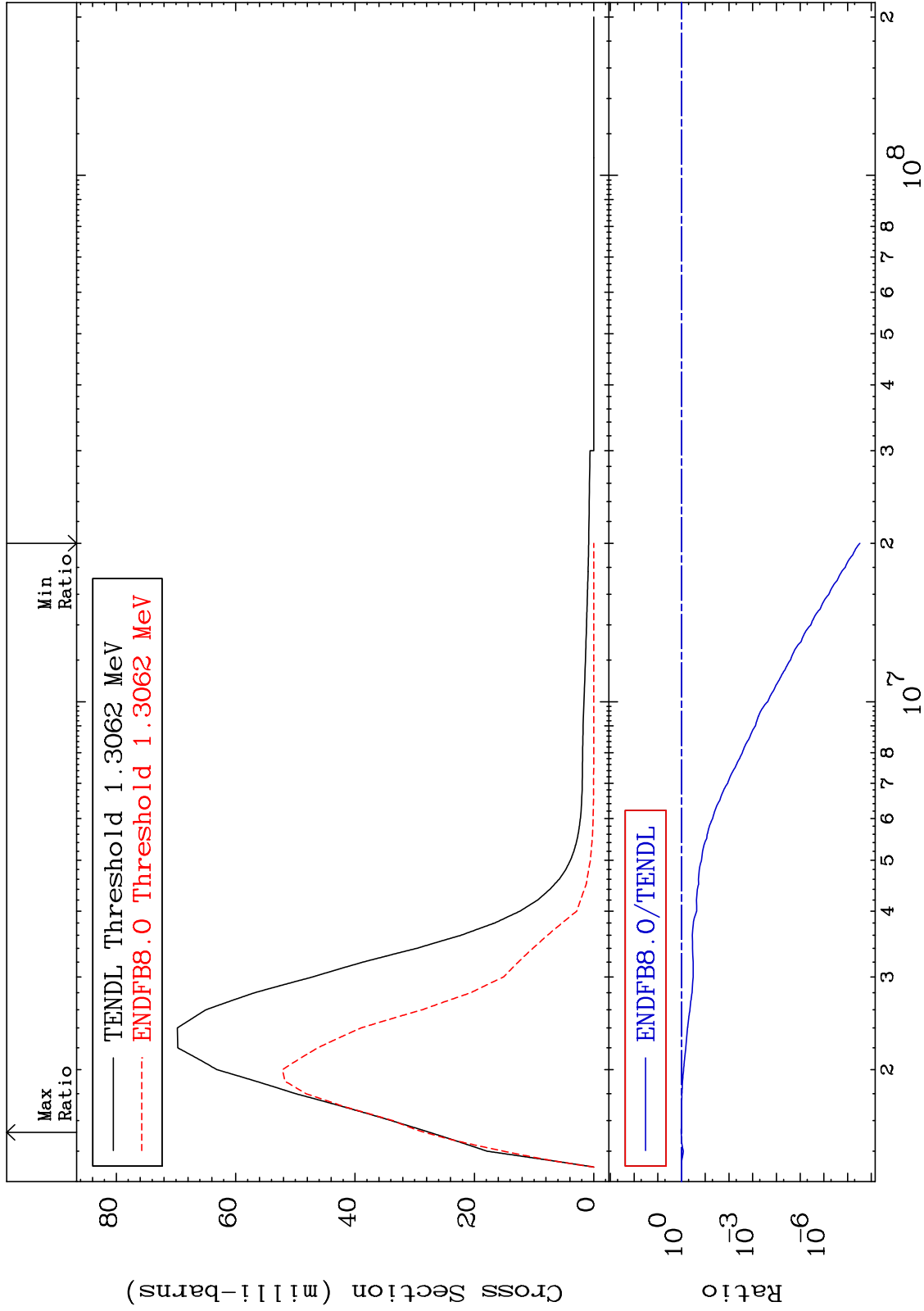
64-Gd-156
-44.36 To 198.2 %



MAT 6437

MT= 63 (n, n') Level
Cross Section

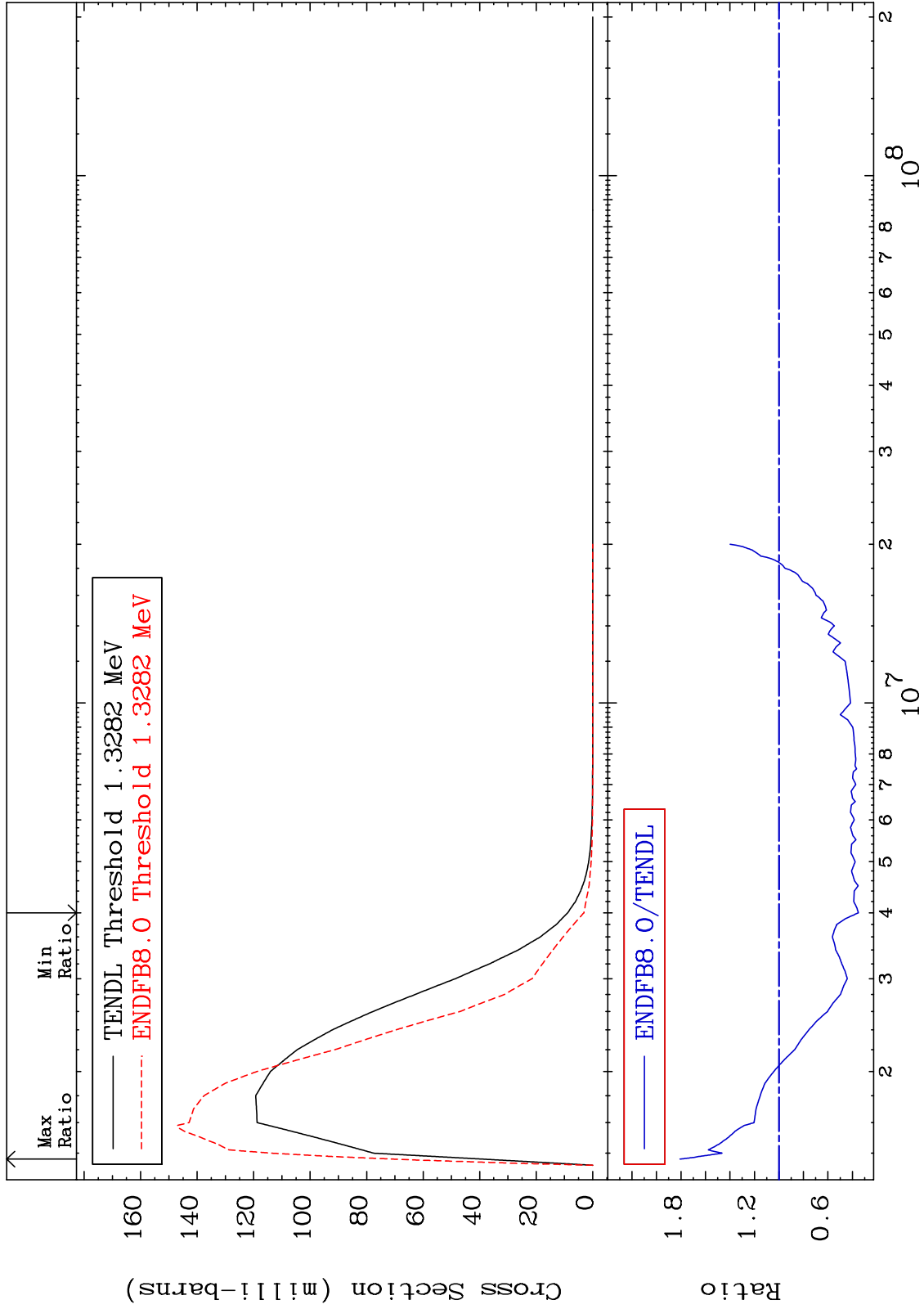
64-Gd-156
-100.0 To 3.180 %



MAT 6437

MT= 64 (n,n') Level
Cross Section

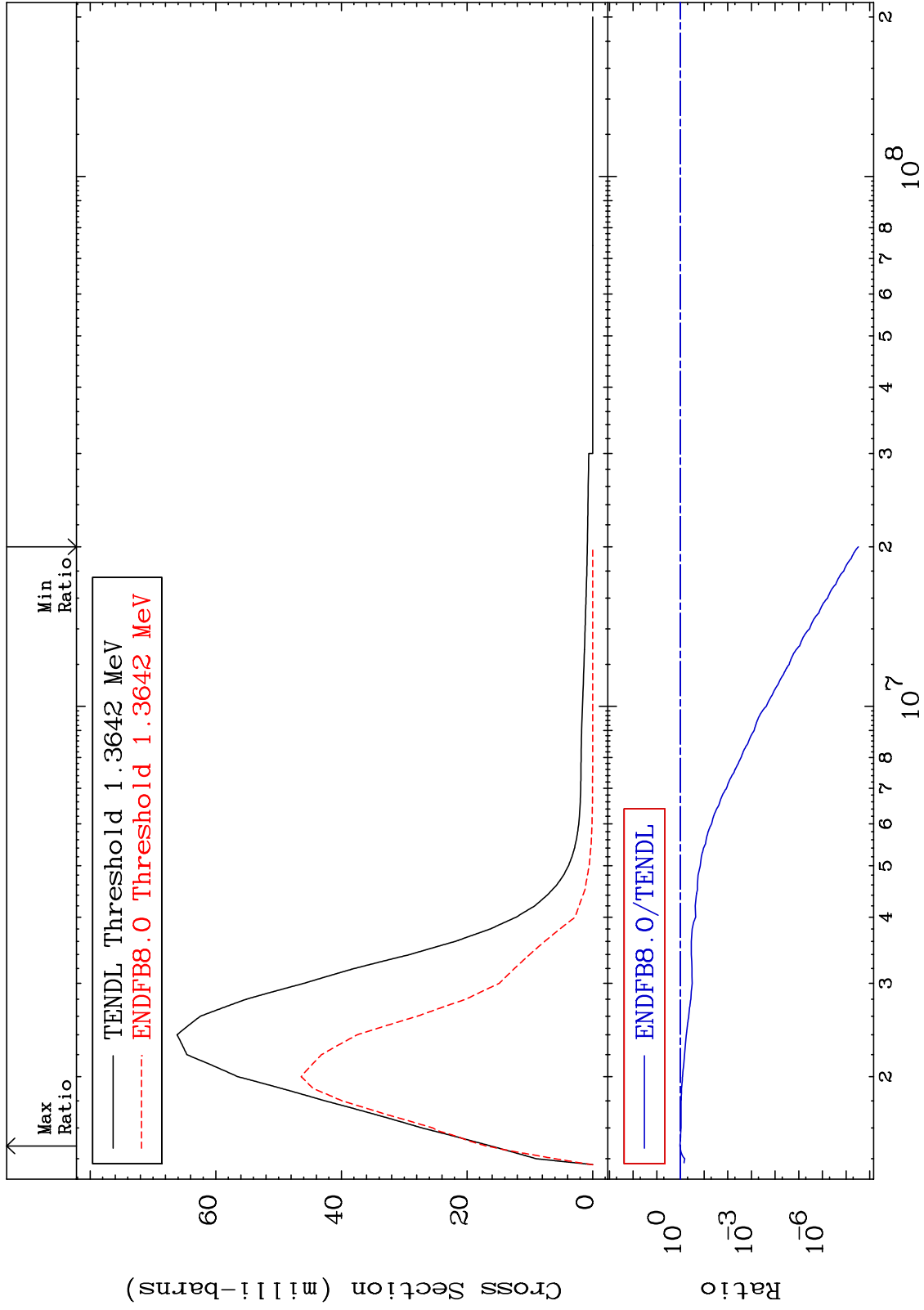
64-Gd-156
-64.88 To 80.75 %



MAT 6437

MT= 65 (n,n') Level
Cross Section

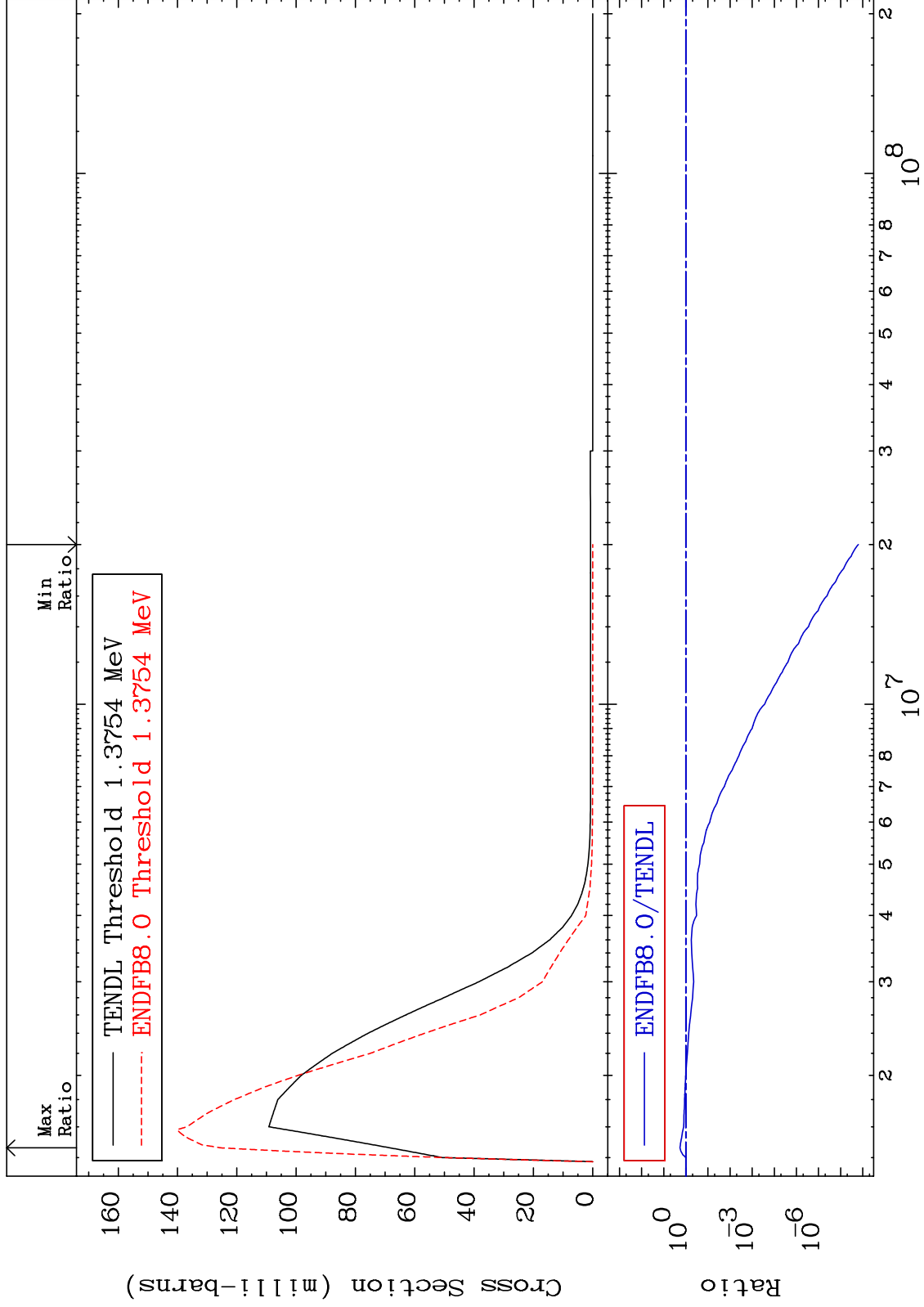
64-Gd-156
-100.0 To 4.363 %



MAT 6437

MT= 66 (n,n') Level
Cross Section

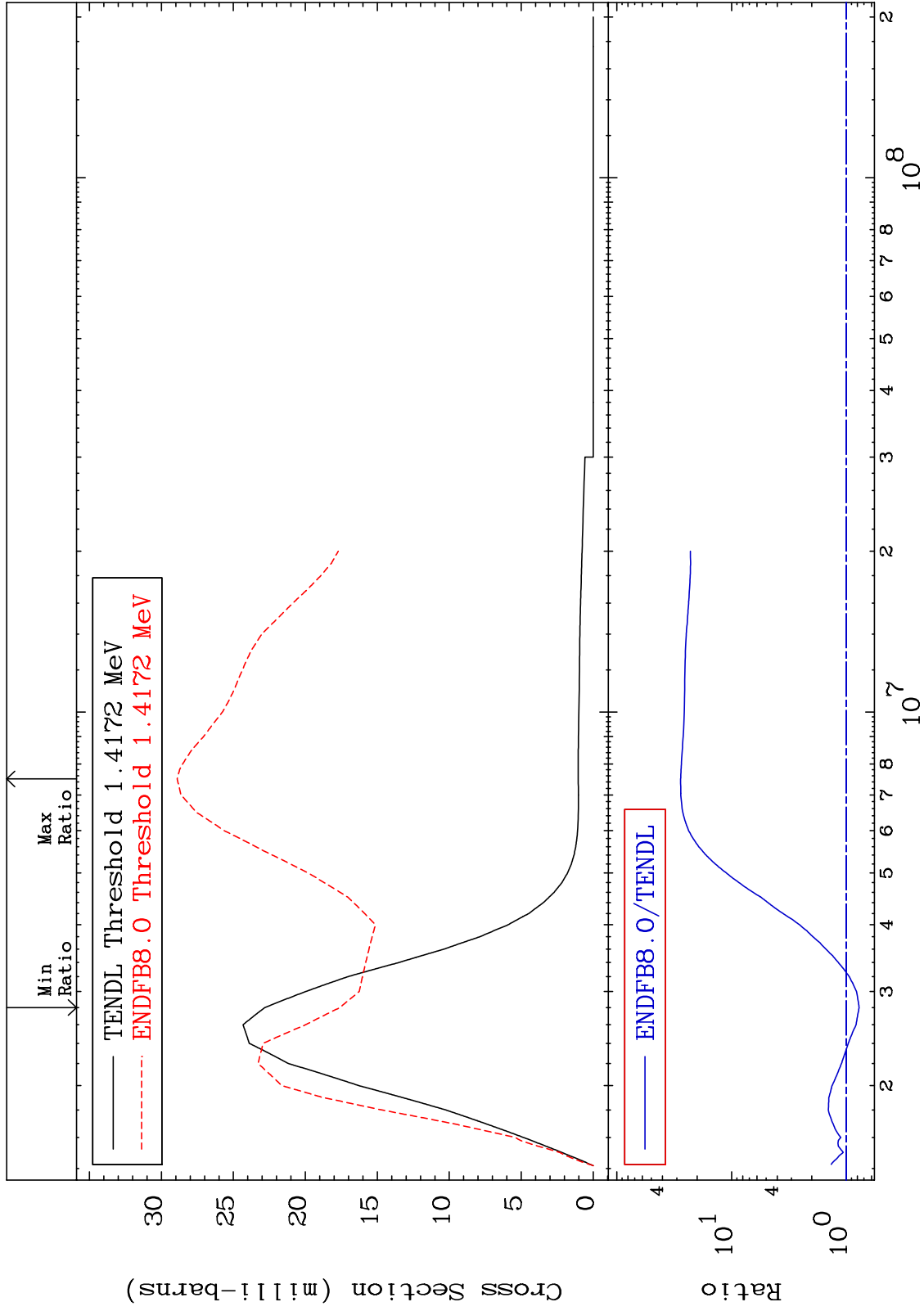
64-Gd-156
-100.0 To 83.55 %



MAT 6437

MT= 67 (n,n') Level
Cross Section

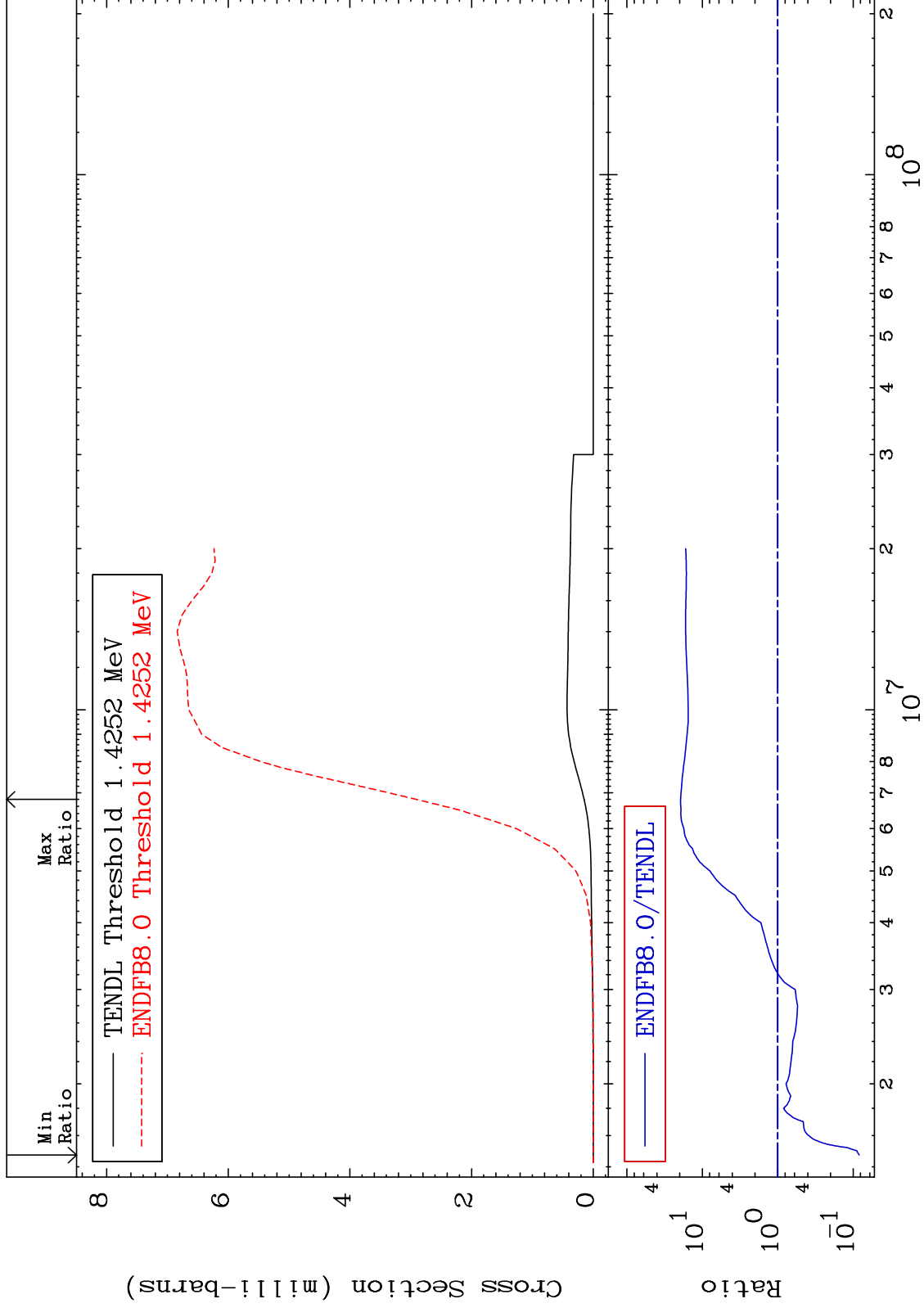
64-Gd-156
-22.90 To 2681. %



MAT 6437

MT= 68 (n,n') Level
Cross Section

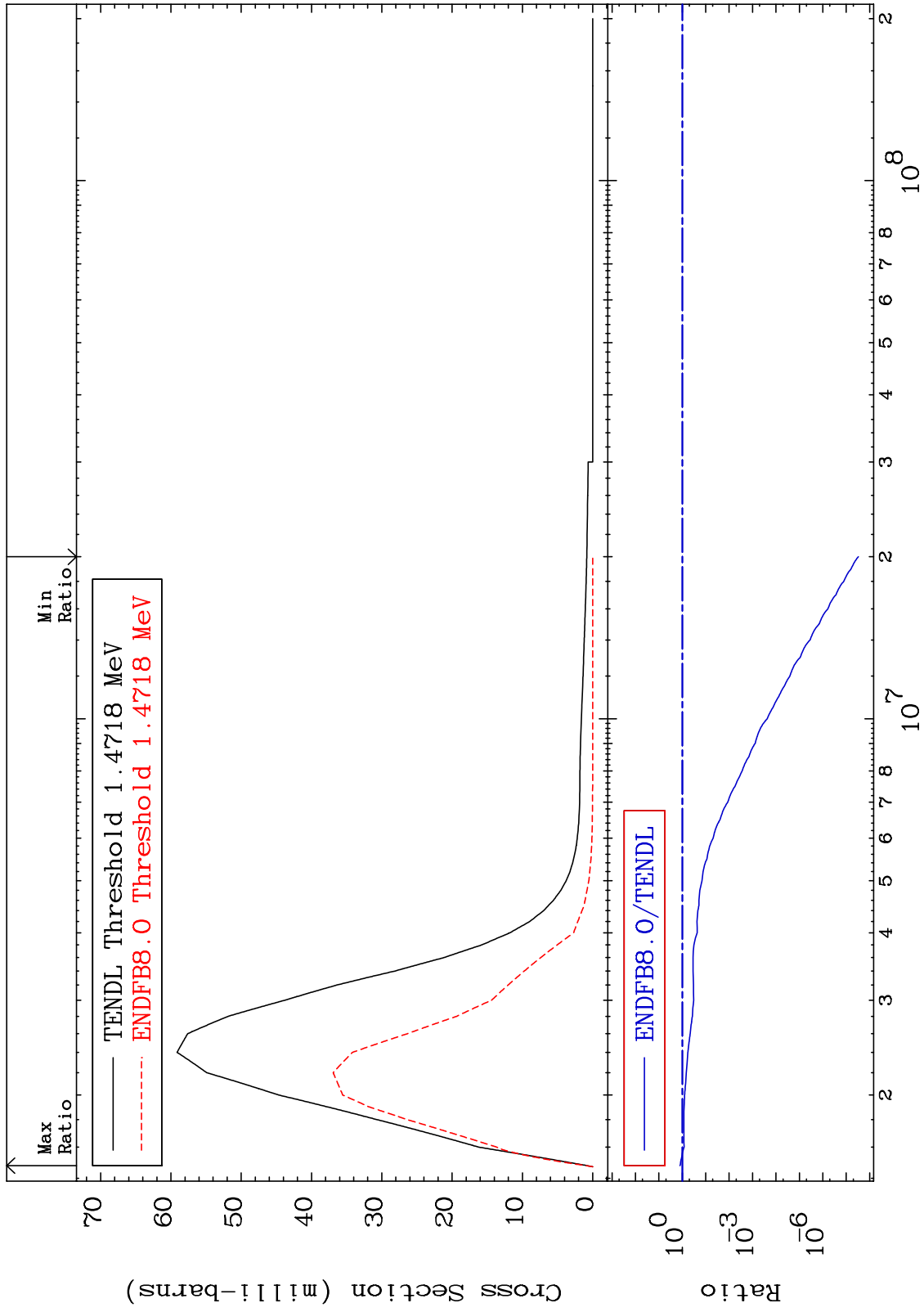
64-Gd-156
-91.68 To 1840. %



MAT 6437

MT= 69 (n,n') Level
Cross Section

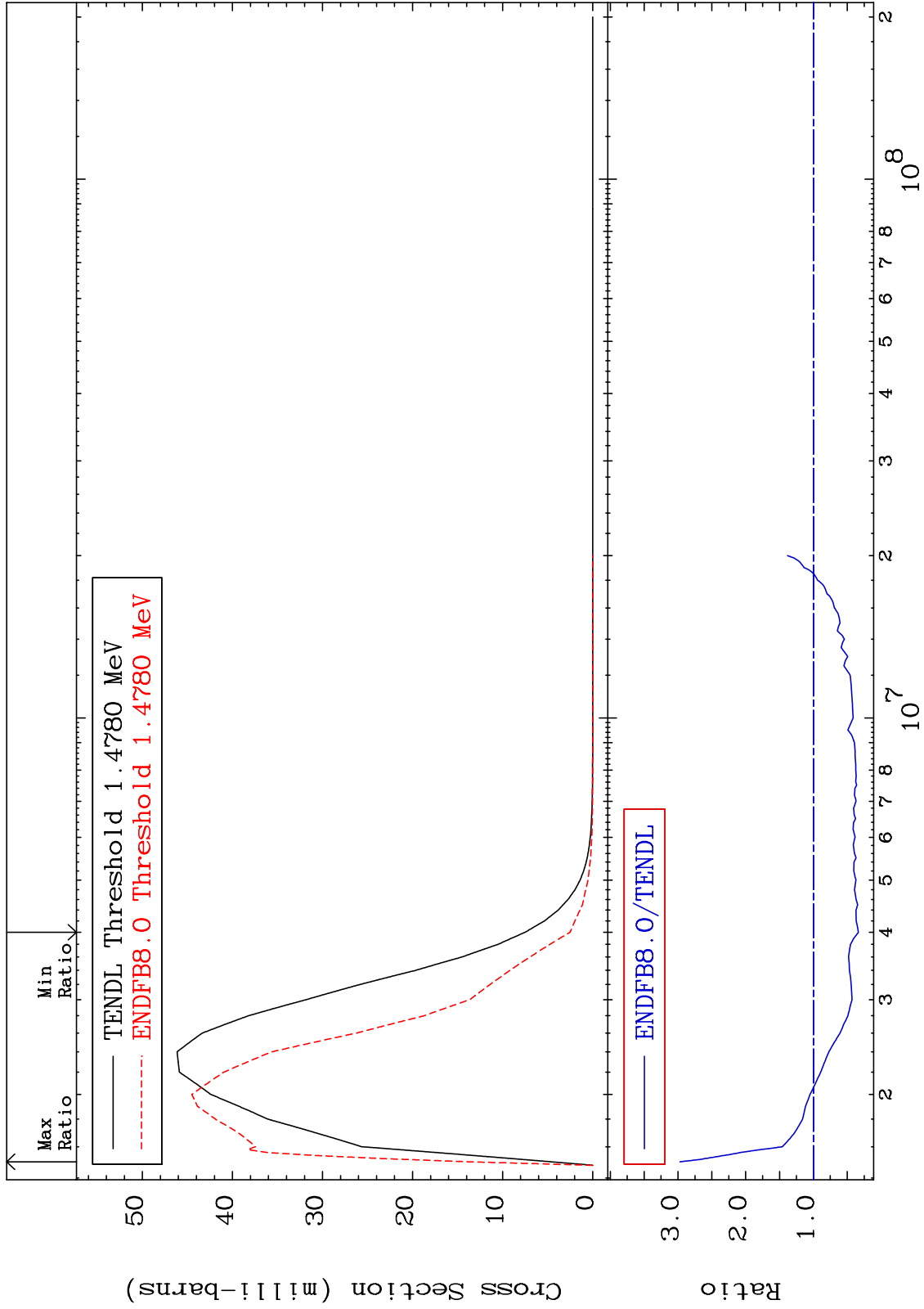
64-Gd-156
-100.0 To 24.92 %



MAT 6437

MT= 70 (n,n') Level
Cross Section

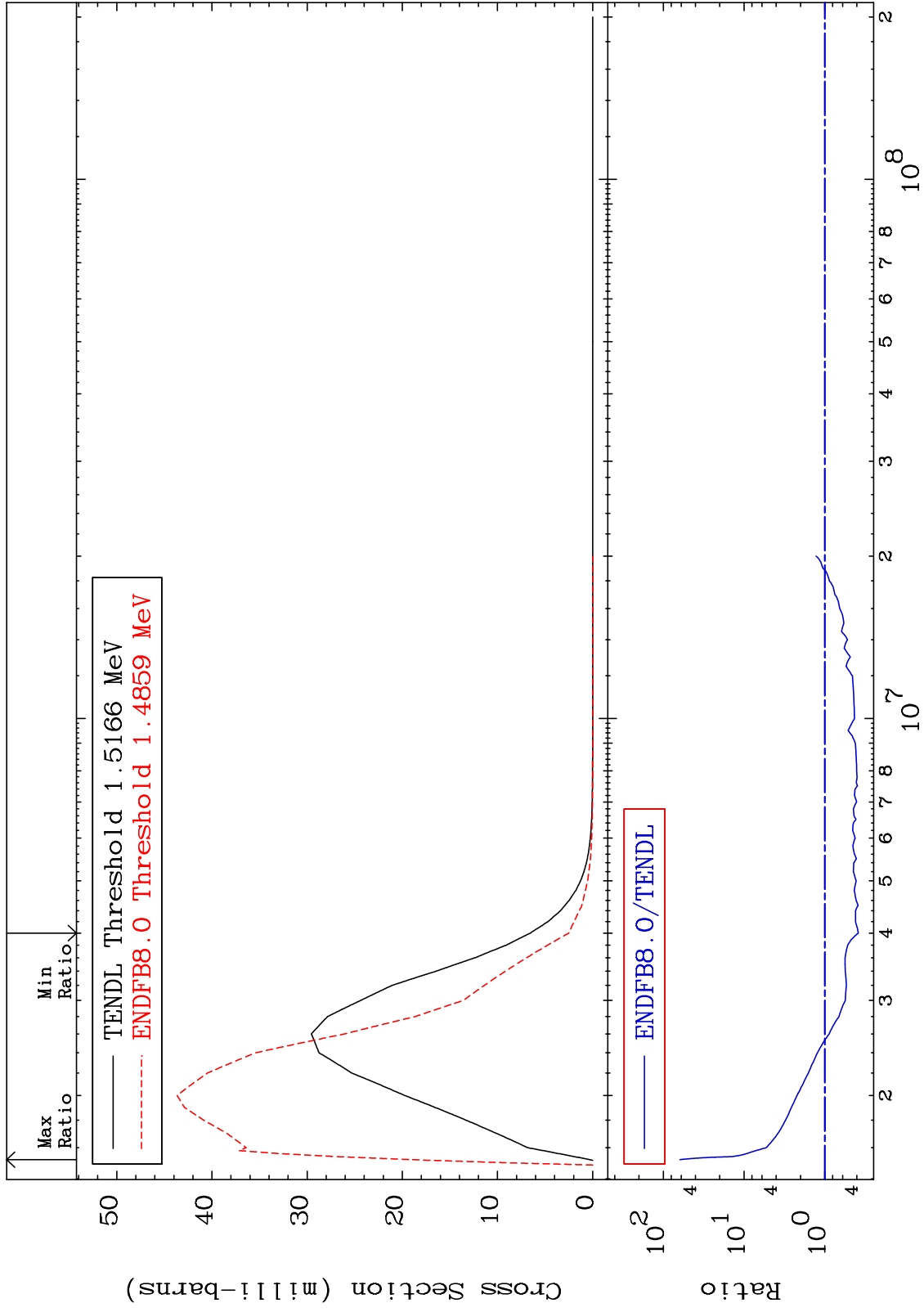
64-Gd-156
-66.49 To 197.0 %



MAT 6437

MT= 71 (n,n') Level
Cross Section

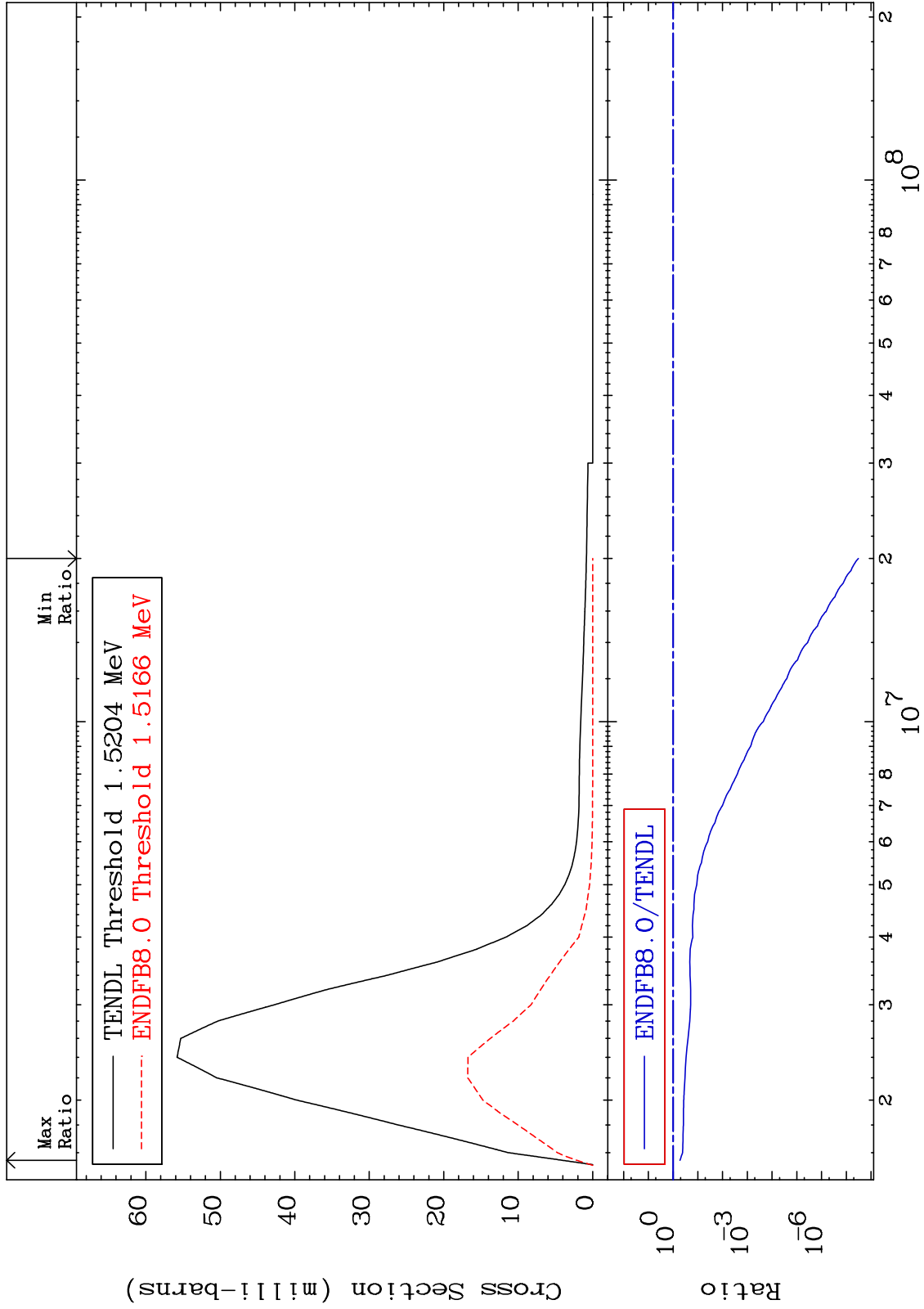
64-Gd-156
-61.69 To 6109. %



MAT 6437

MT= 72 (n,n') Level
Cross Section

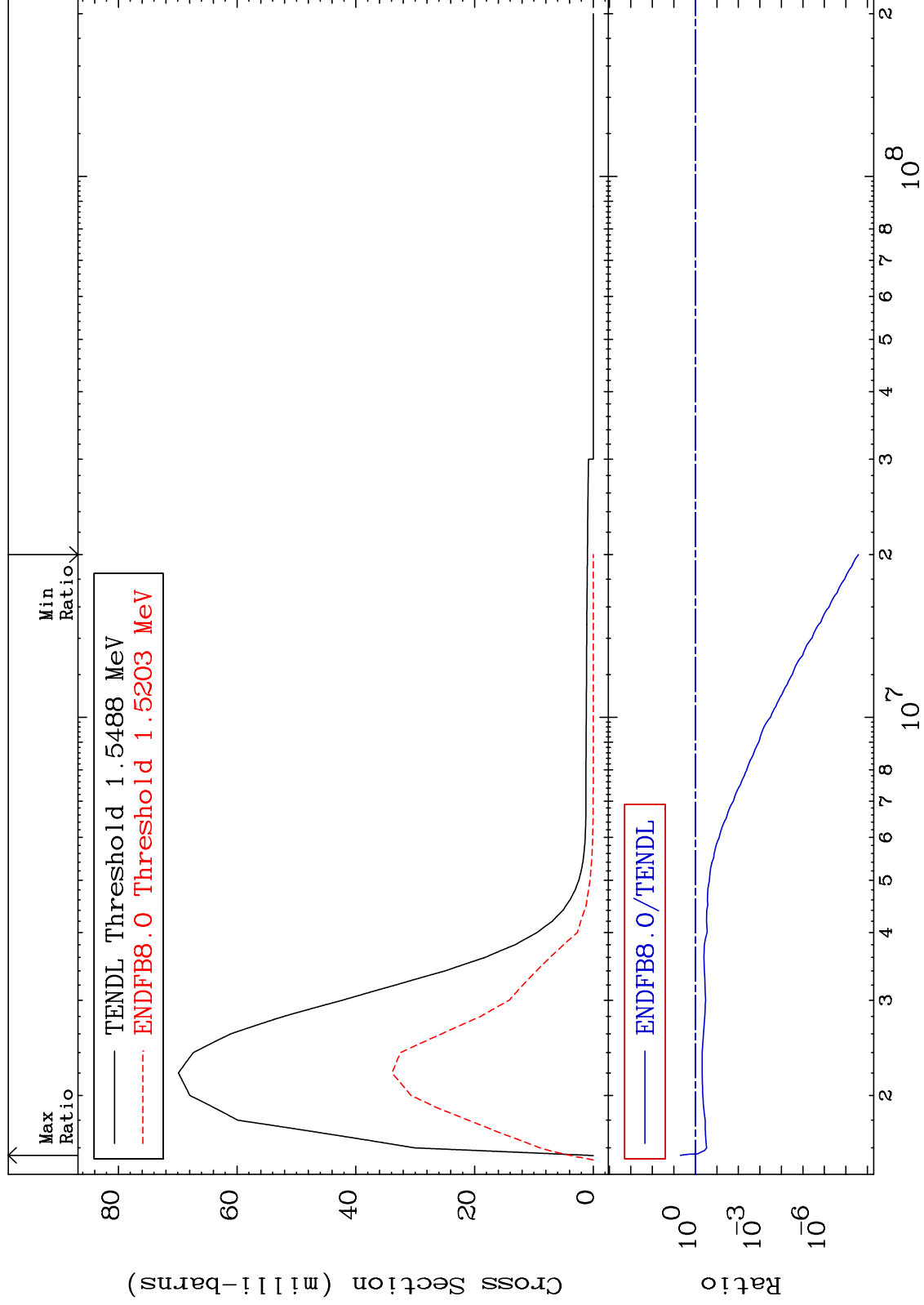
64-Gd-156
-100.0 To -47.51%



MAT 6437

MT= 73 (n,n') Level
Cross Section

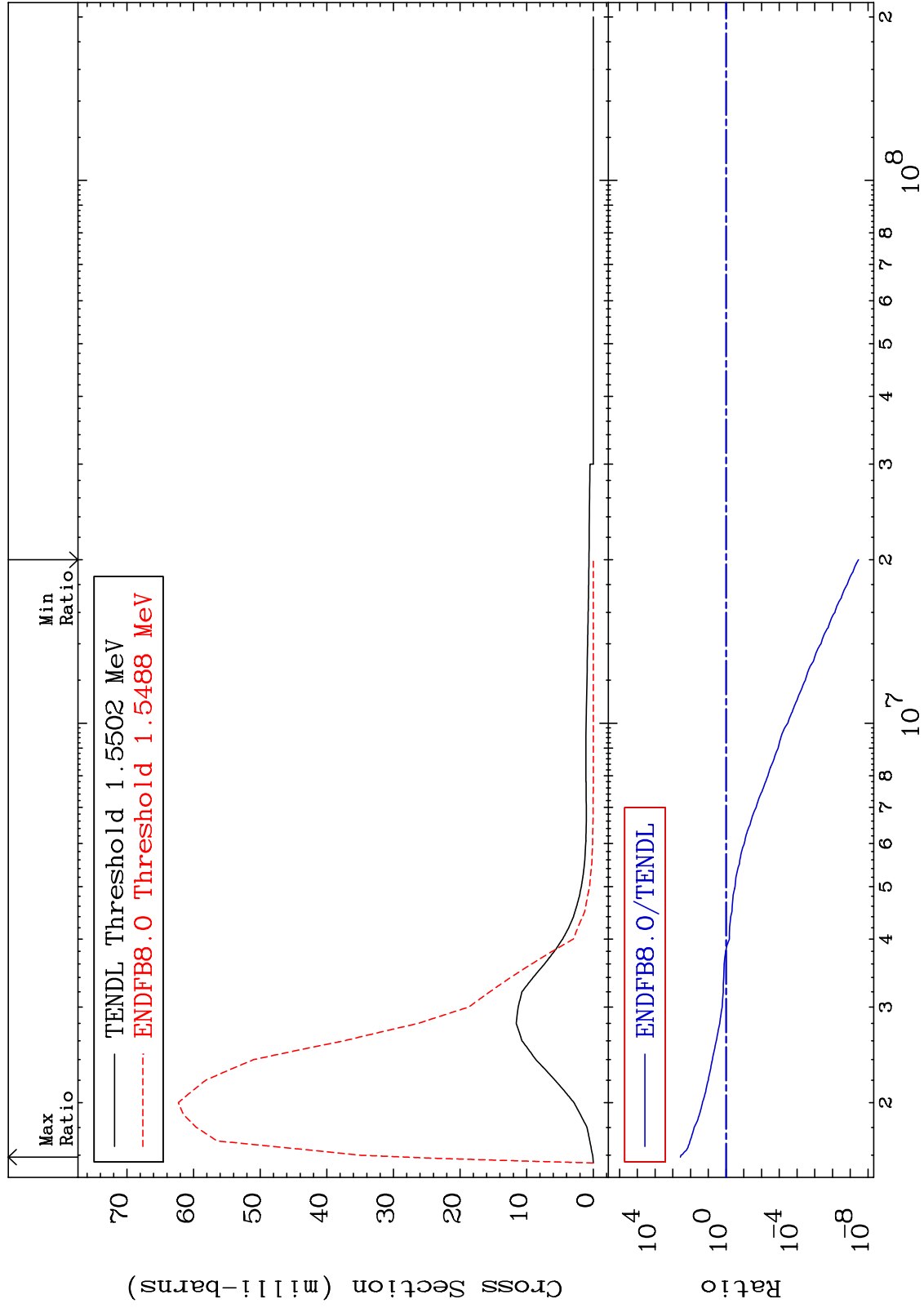
64-Gd-156
-100.0 To 392.6 %



MAT 6437

MT= 74 (n,n') Level
Cross Section

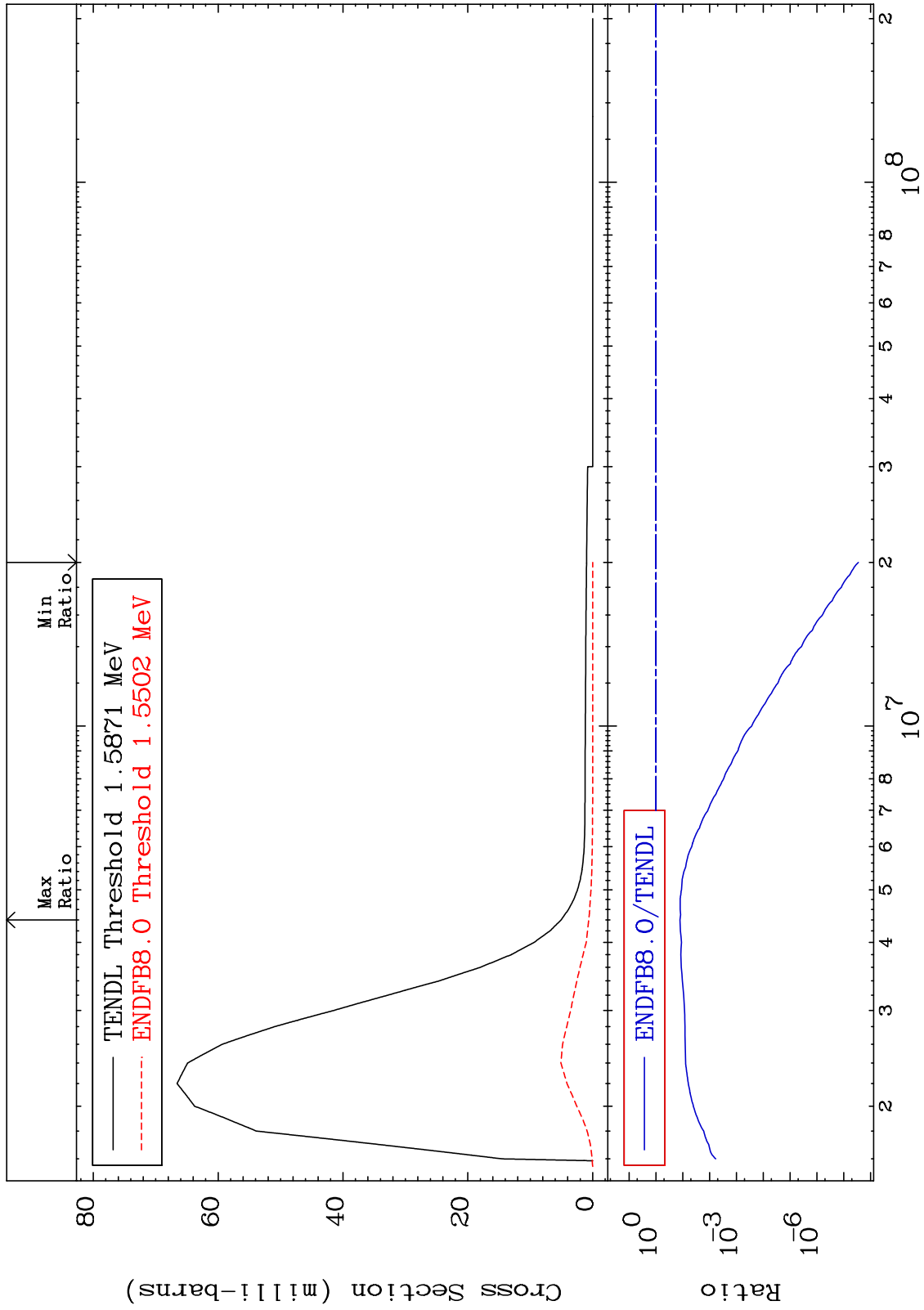
64-Gd-156
-100.0 To 9999. %



MAT 6437

MT= 75 (n,n') Level
Cross Section

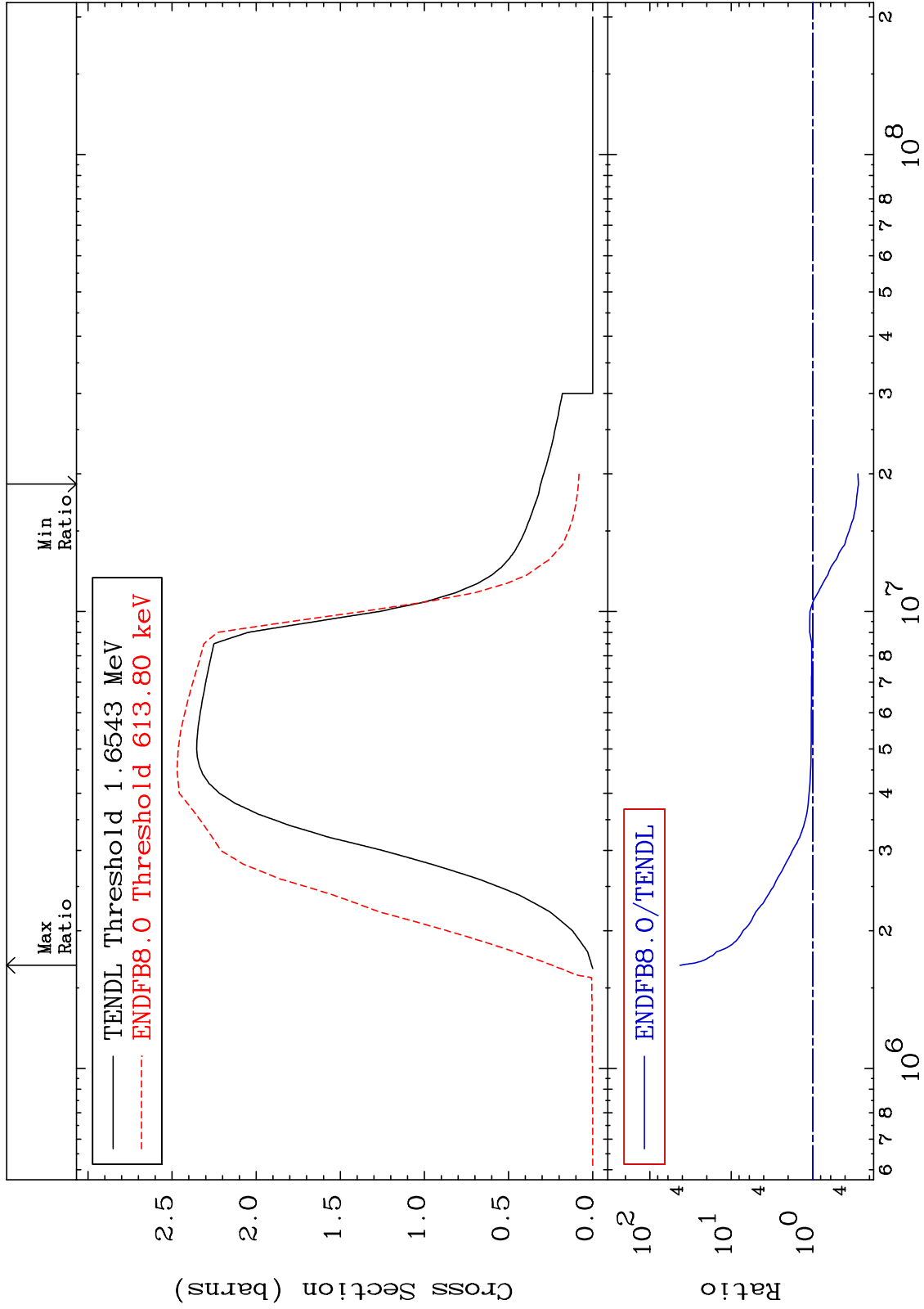
64-Gd-156
-100.0 To -87.42%



MAT 6437

(n, n') Continuum
Cross Section

64-Gd-156
-72.56 To 4162. %



35

Incident Energy (eV)

64-Gd-156

MAT 6437

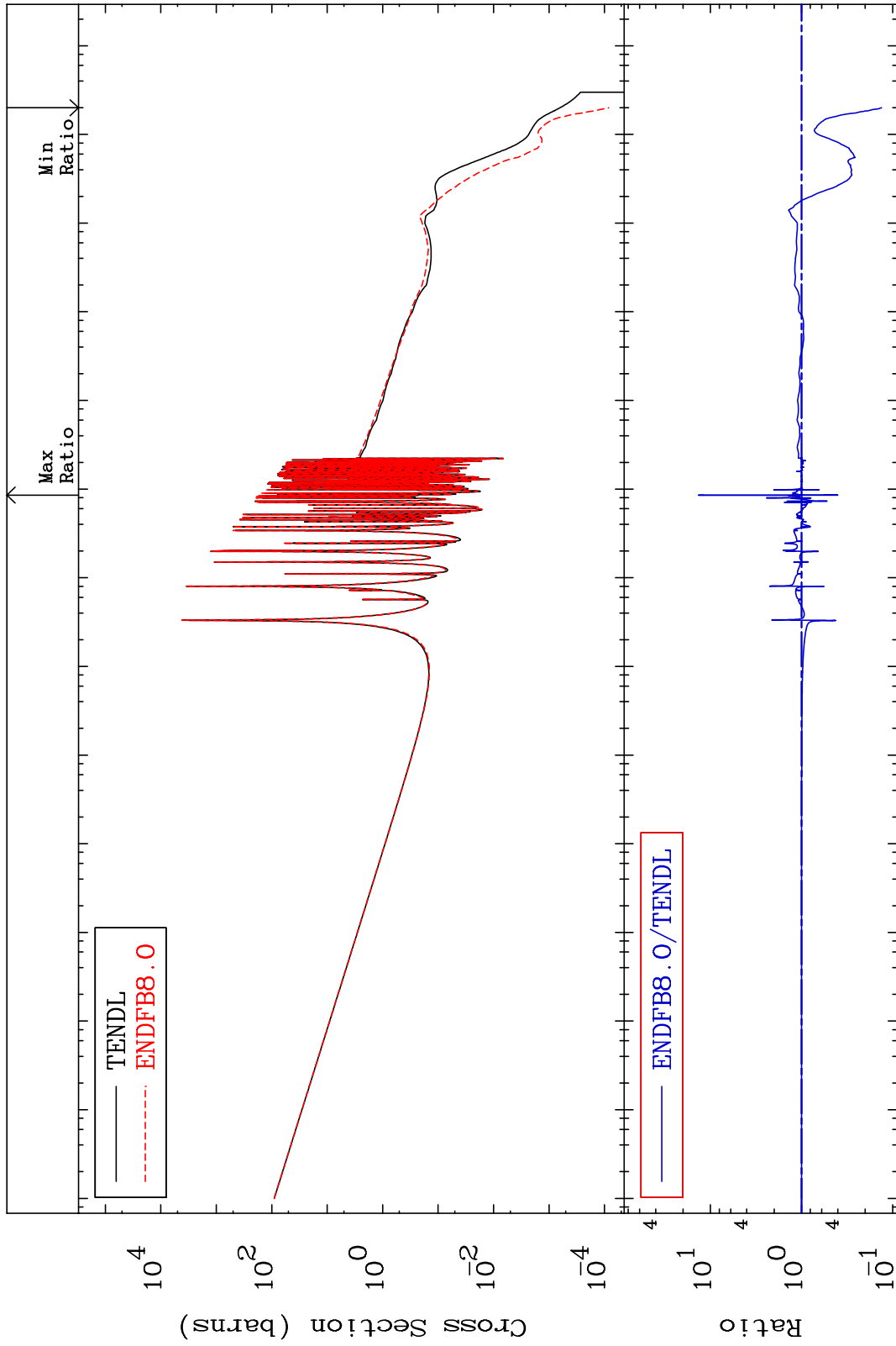
64-Gd-156

(n, γ)

Cross Section

Cross Section

-86.76 To 1259. %



Incident Energy (eV)

64-Gd-156

36

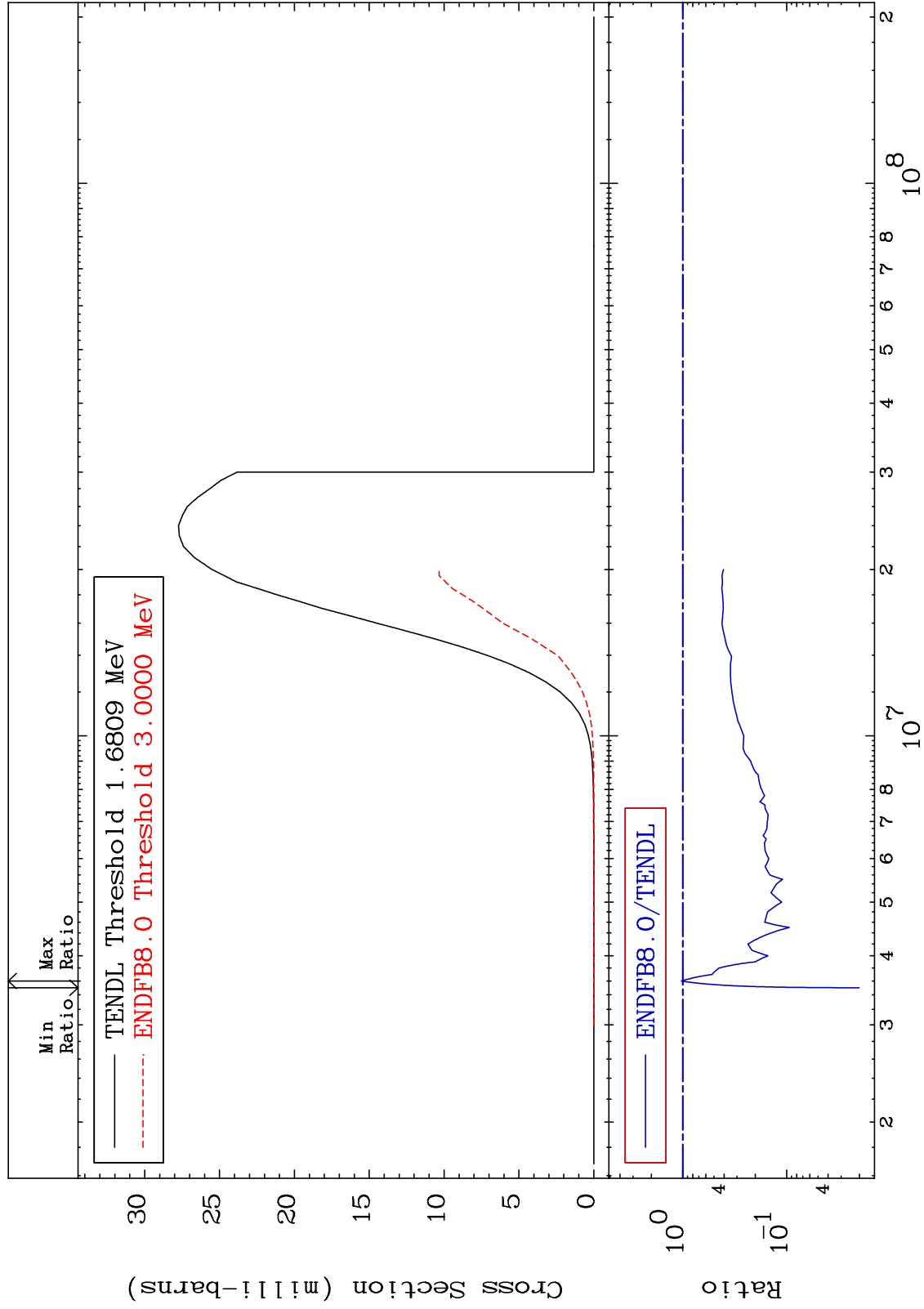
MAT 6437

(n, p)

64-Gd-156

Cross Section

-97.99 To 3.664 %



37

Incident Energy (eV)

64-Gd-156

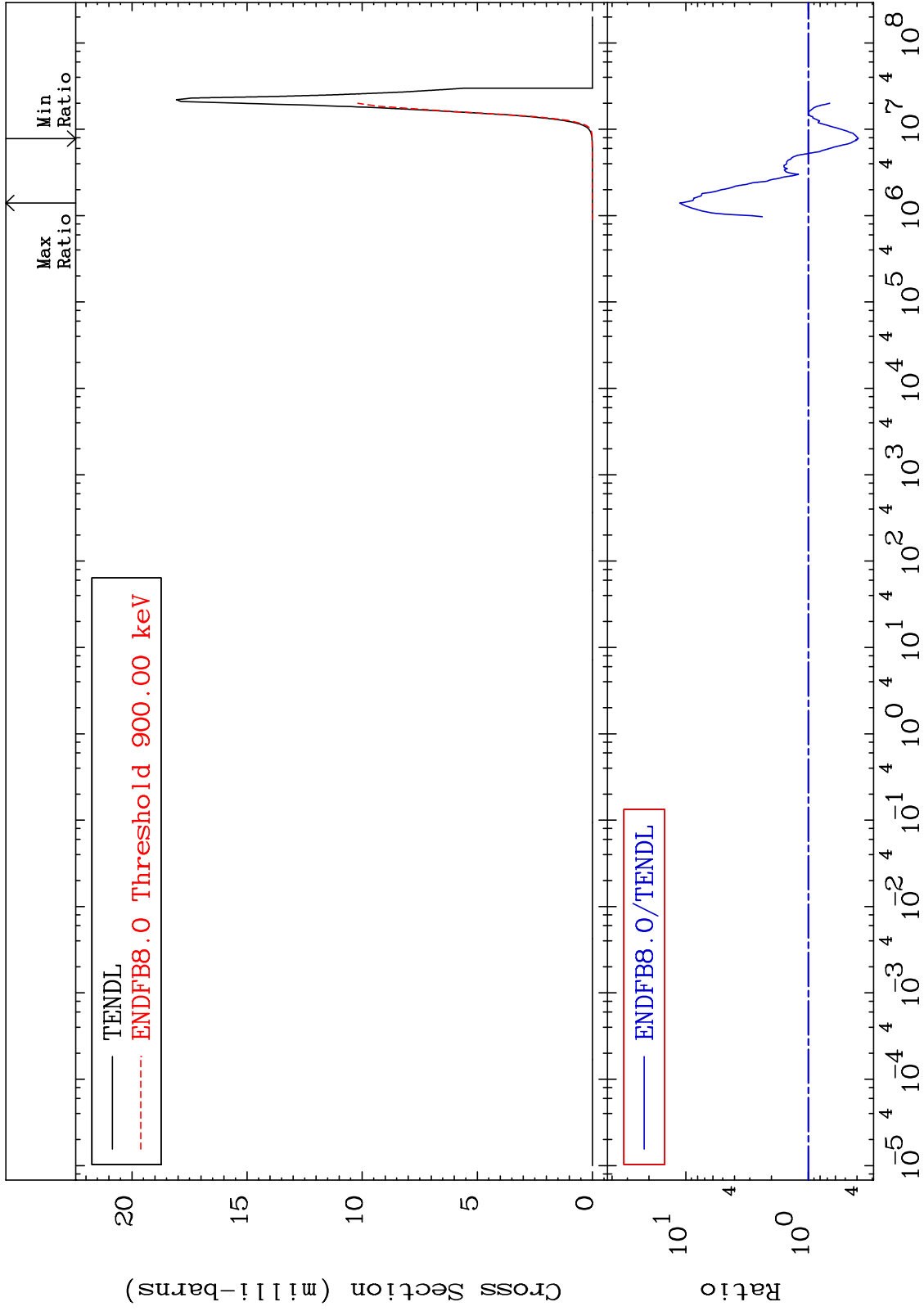
MAT 6437

(n, α)

64-Gd-156

Cross Section

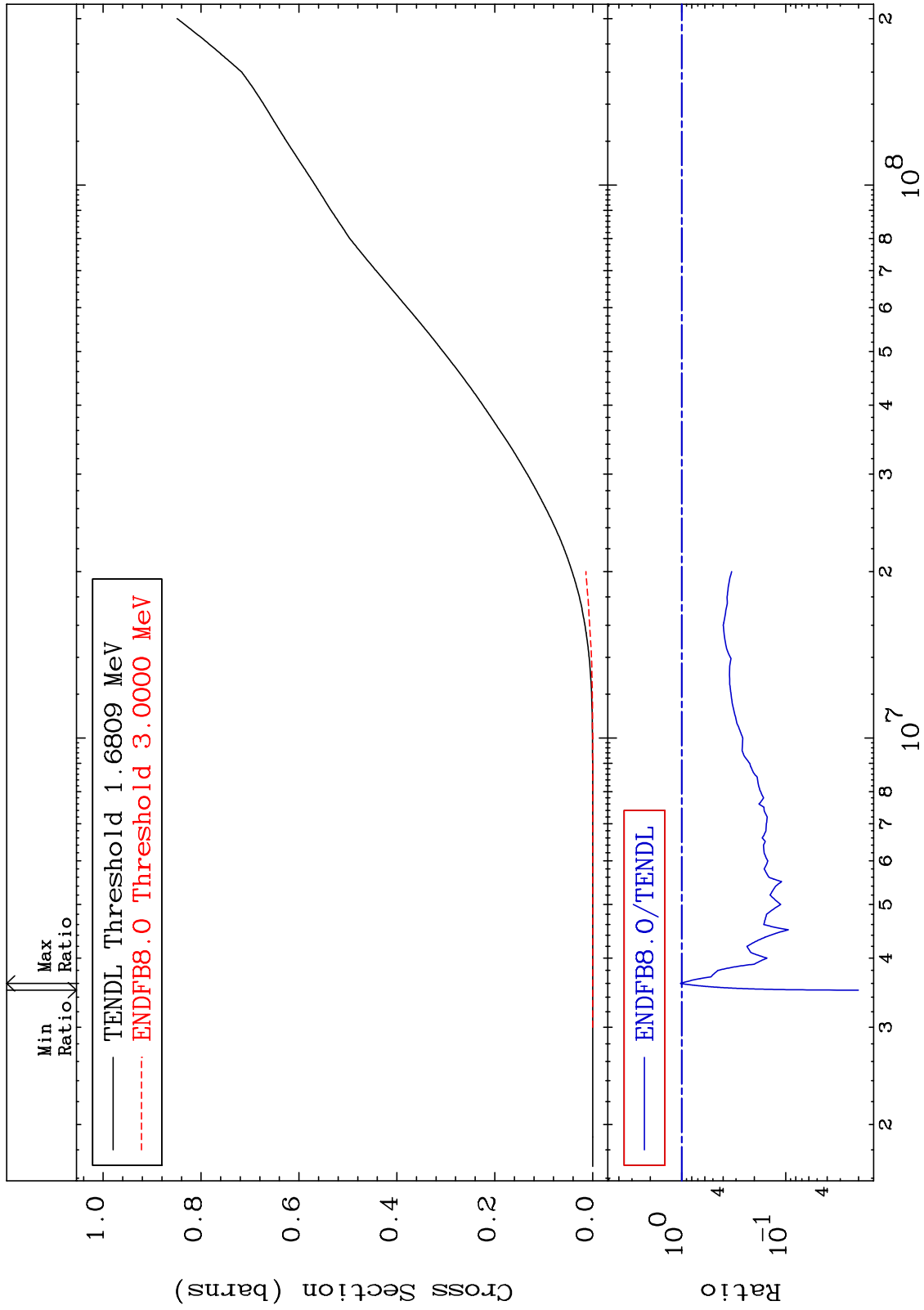
-60.96 To 1018. %



38

Incident Energy (eV)

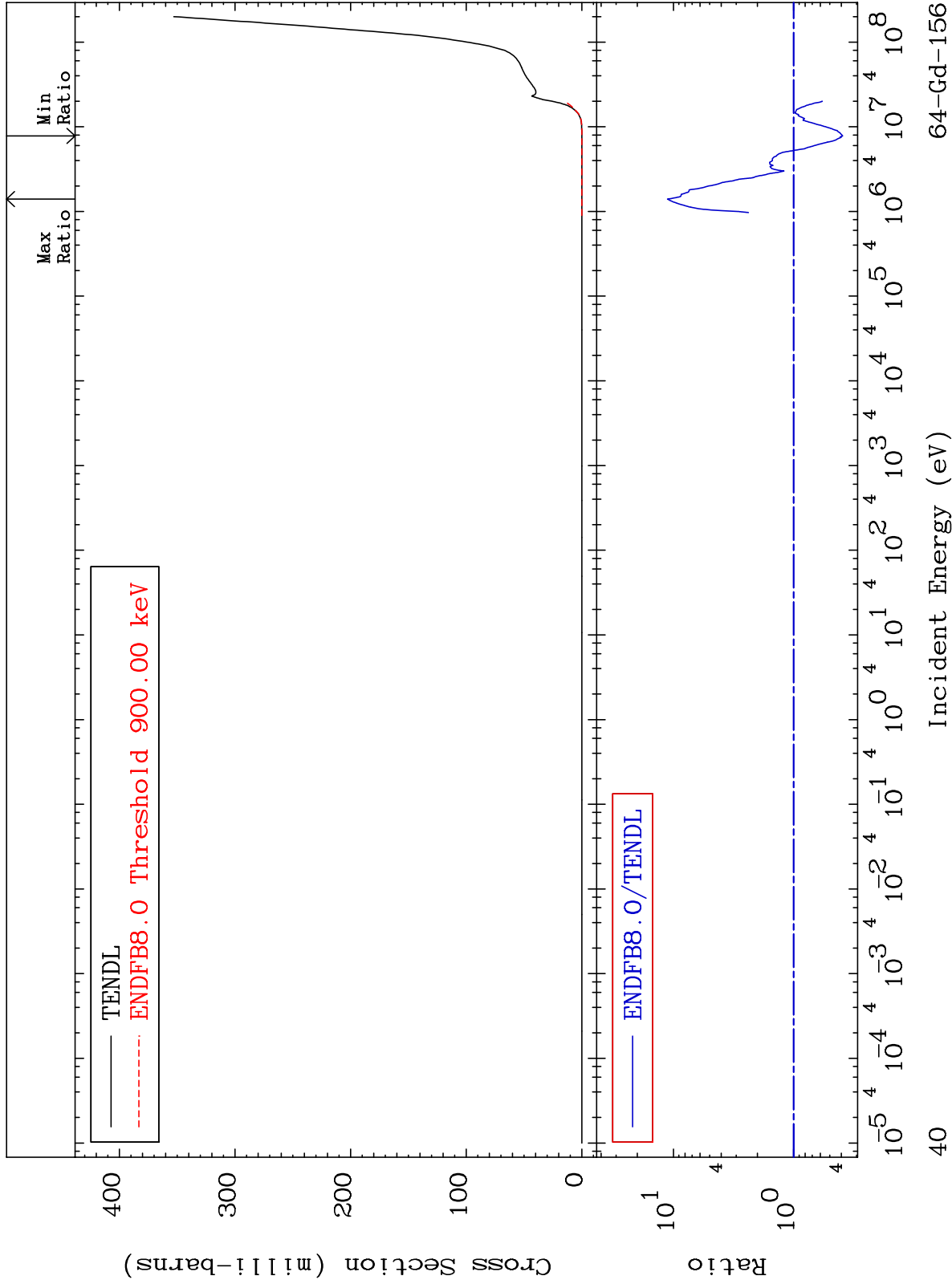
64-Gd-156



MAT 6437

He-4 Production
Cross Section

64-Gd-156
-60.94 To 1018. %



64-Gd-156

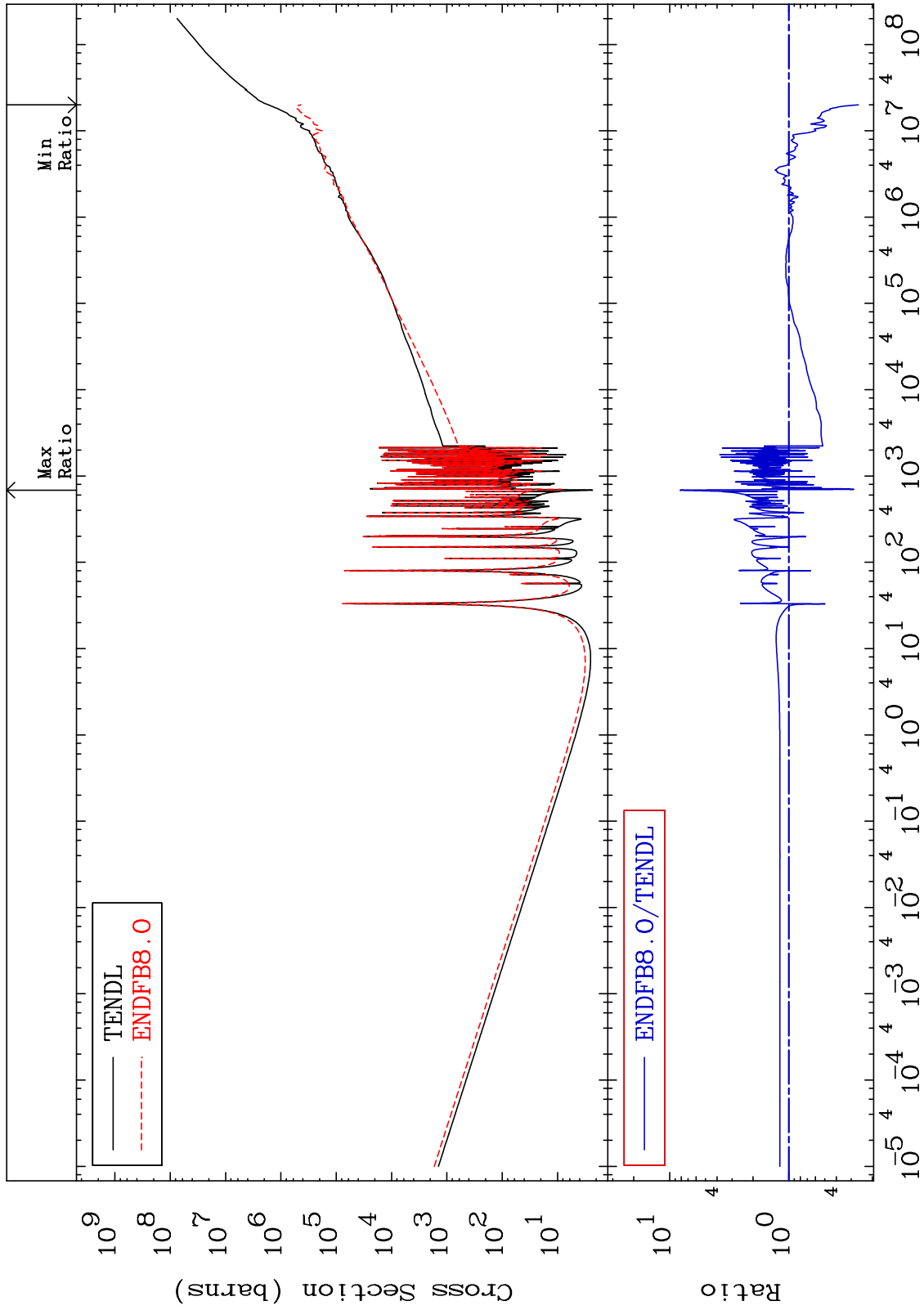
Incident Energy (eV)

40

MAT 6437

Kerma total (eV-barns)
Cross Section

64-Gd-156
-73.87 To 718.0 %



41

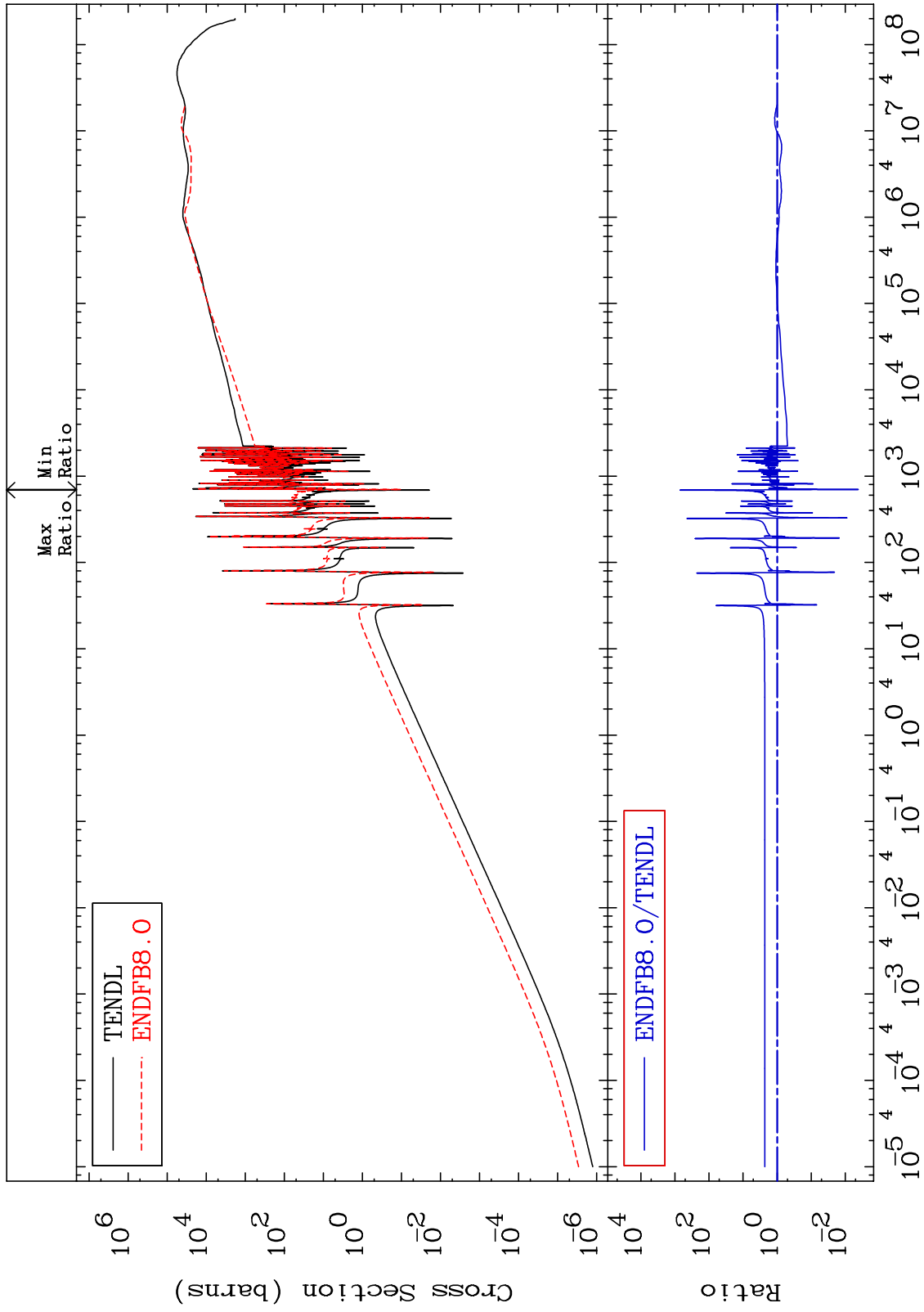
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma elastic
Cross Section

64-Gd-156
-99.59 To 9999. %



42

Incident Energy (eV)

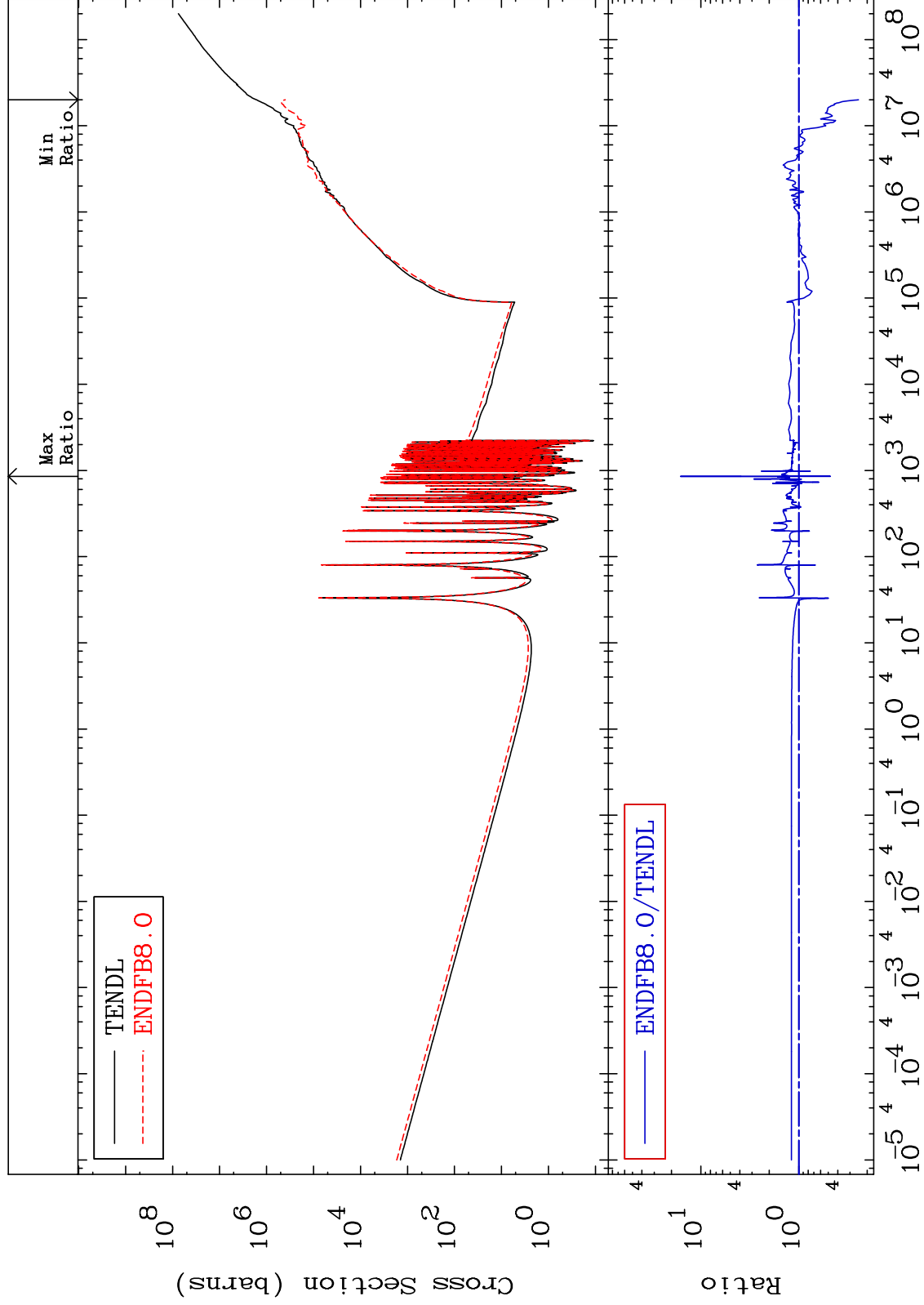
64-Gd-156

MAT 6437

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-156

-75.46 To 1516. %



43

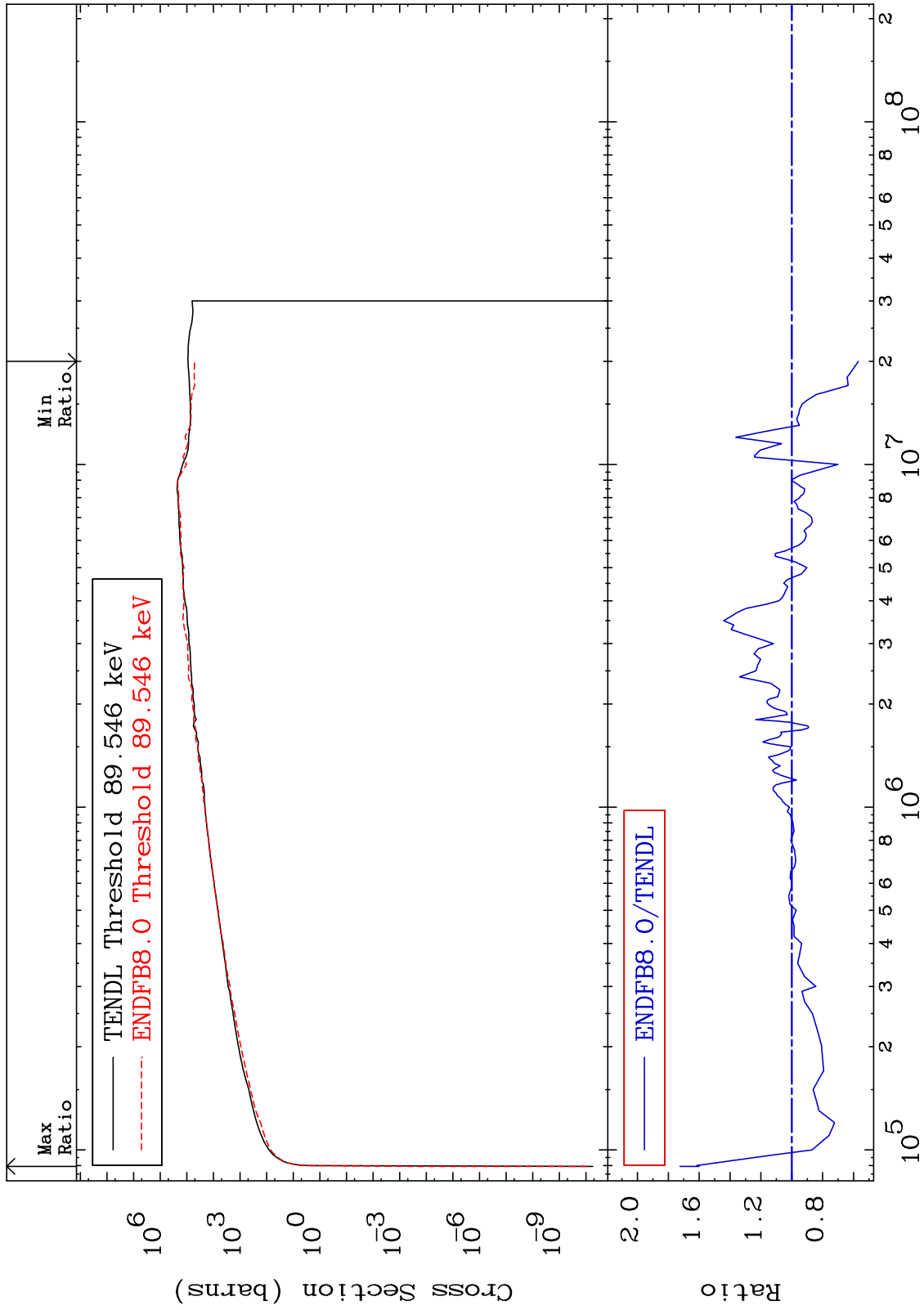
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma inelastic (mt51-91)
Cross Section

64-Gd-156
-43.15 To 72.42 %



44

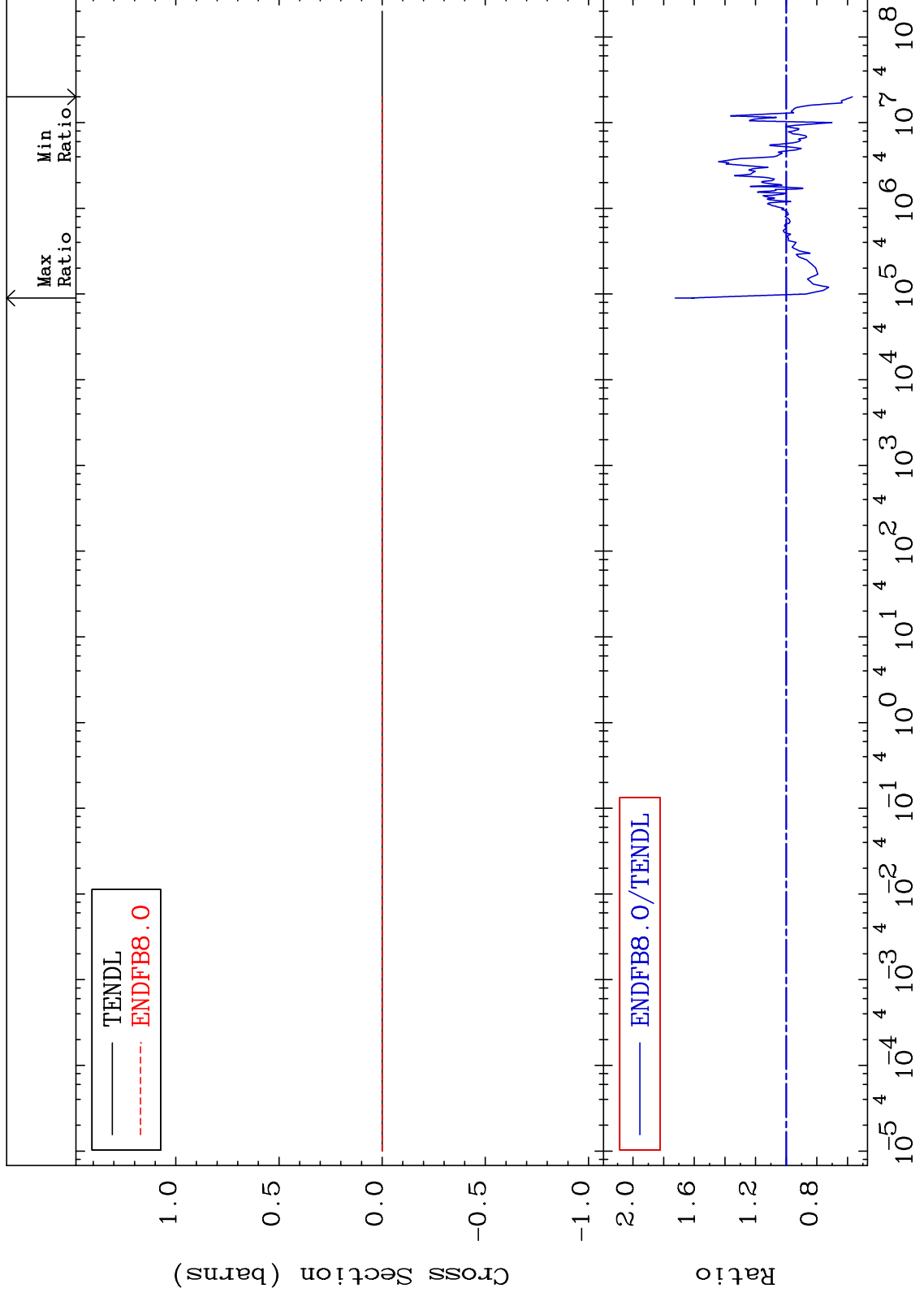
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

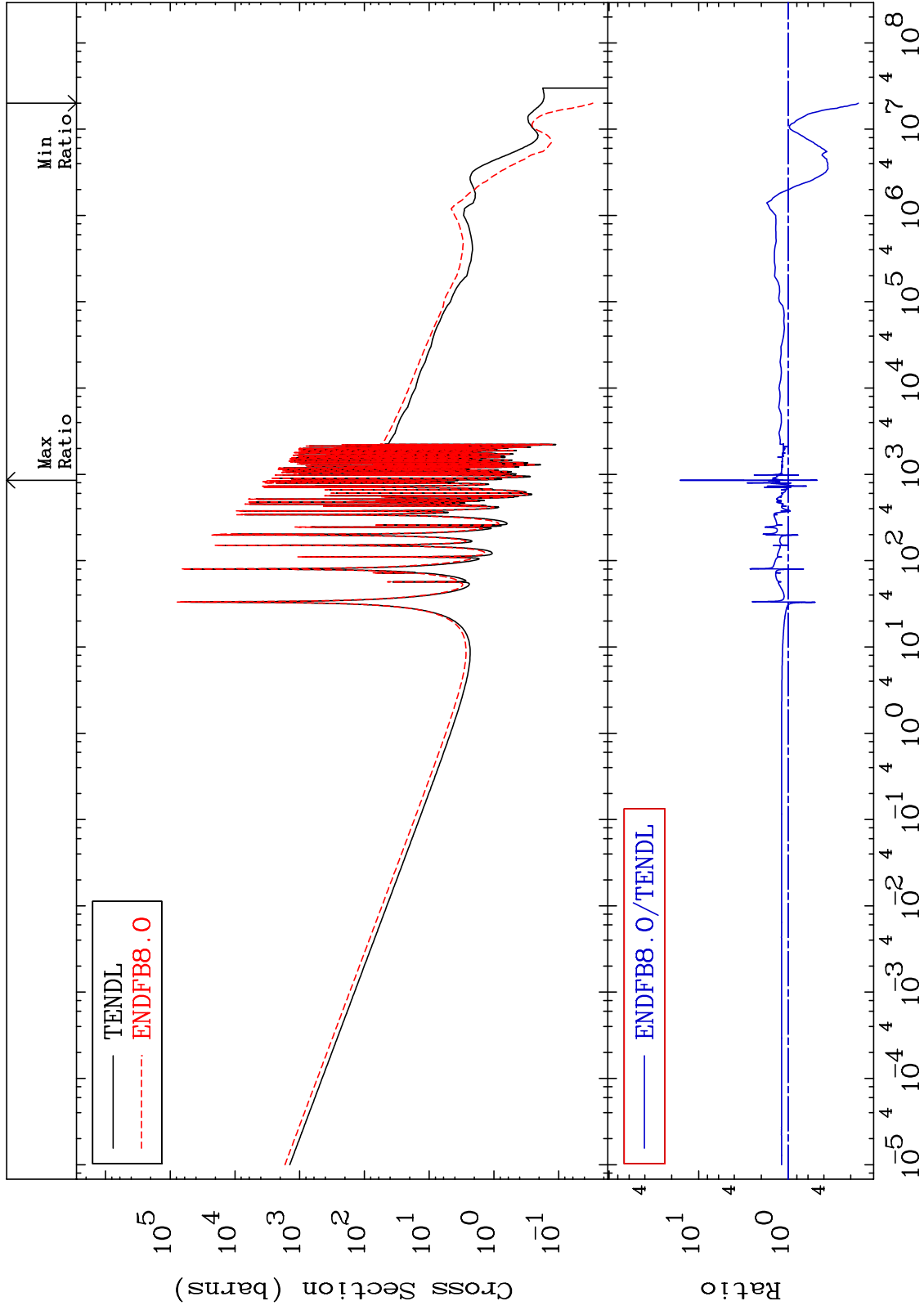
64-Gd-156
-43.15 To 72.42 %



MAT 6437

Kerma capture (mt102)
Cross Section

64-Gd-156
-83.57 To 1516. %



46

Incident Energy (eV)

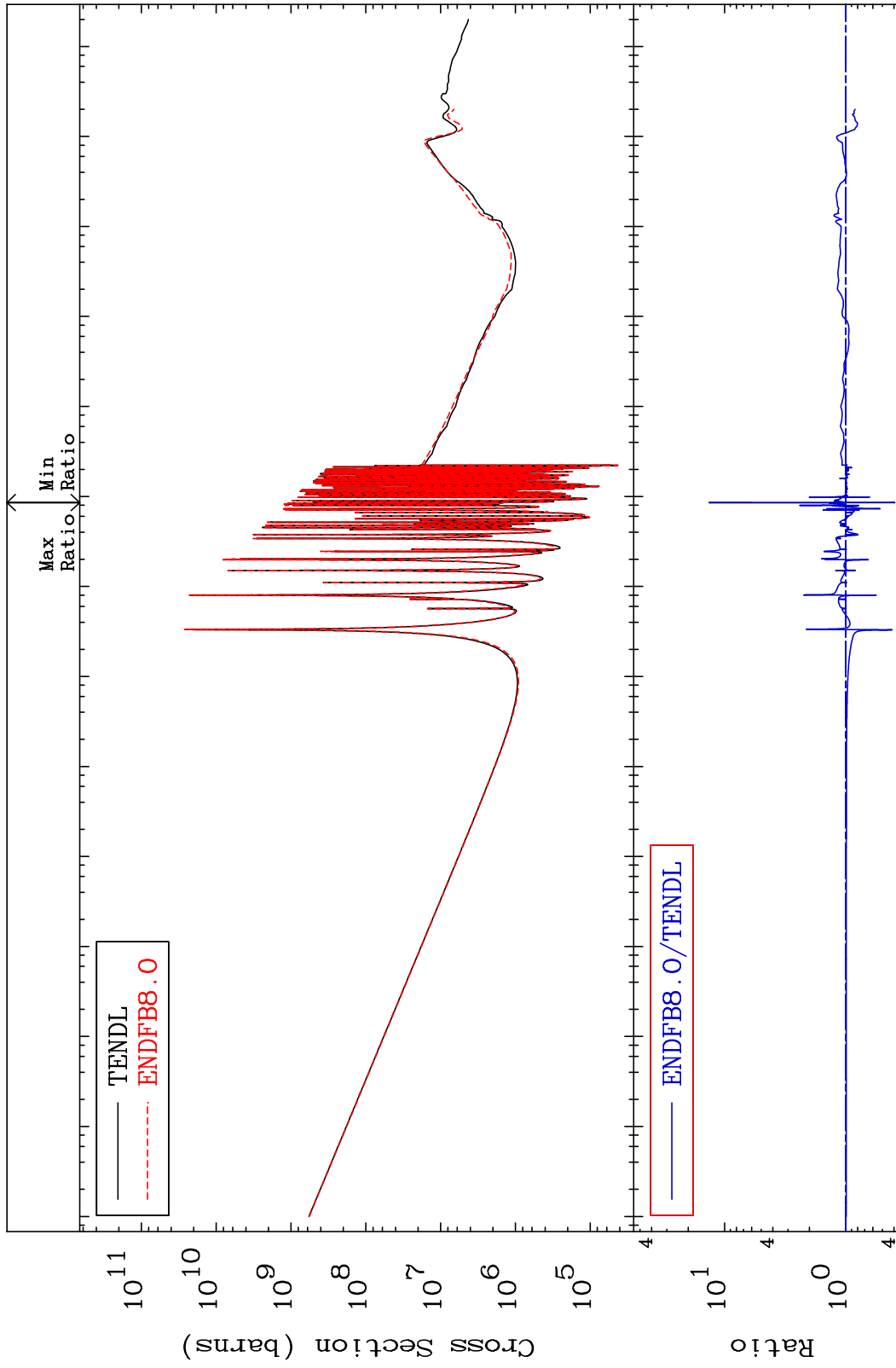
64-Gd-156

MAT 6437

Total photon (eV-barns)
Cross Section

64-Gd-156

-60.65 To 1248. %



64-Gd-156

47

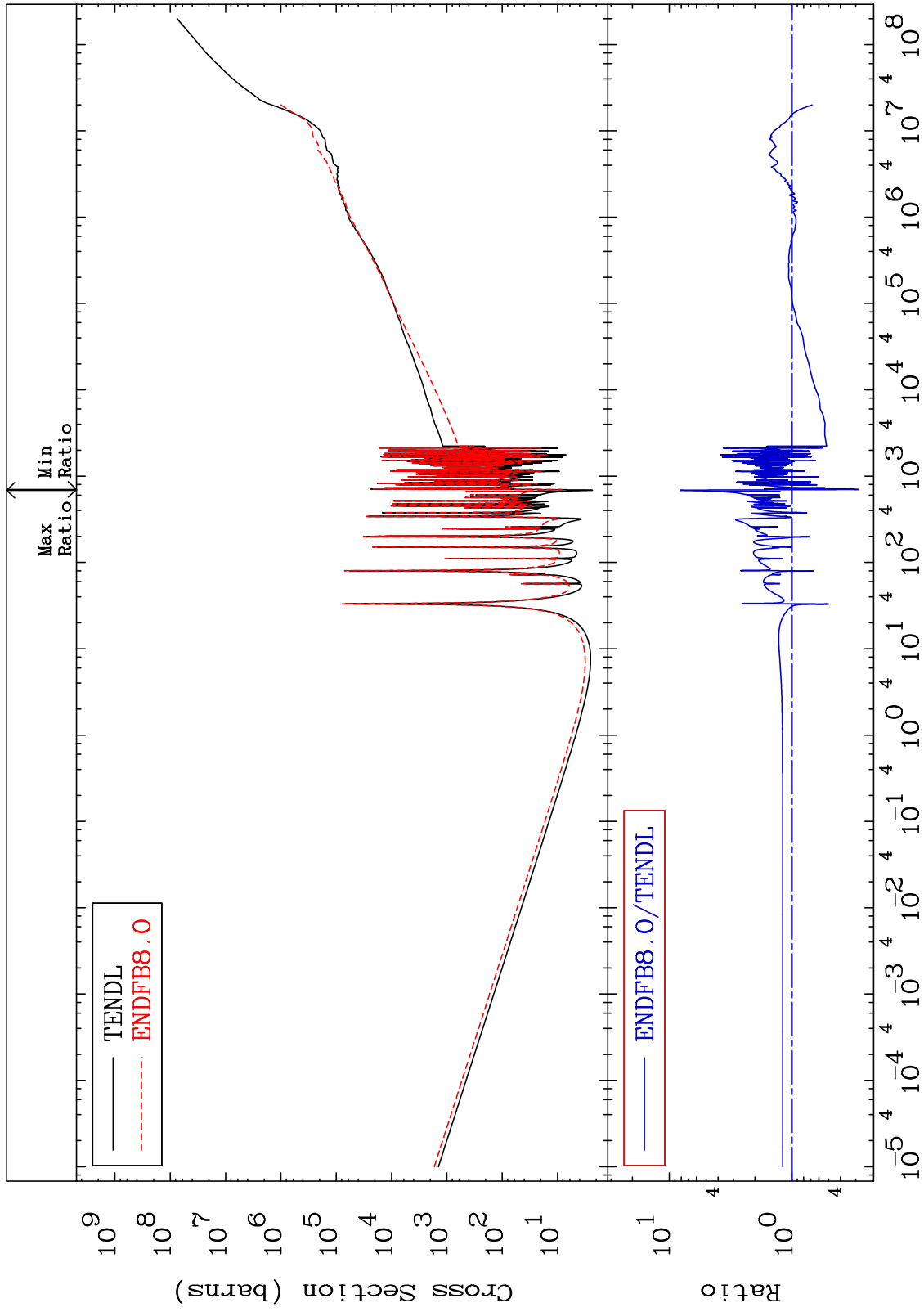
Incident Energy (eV)

64-Gd-156

MAT 6437

Total kinematic kerma (high limit)
Cross Section

64-Gd-156
-71.44 To 718.0 %



48

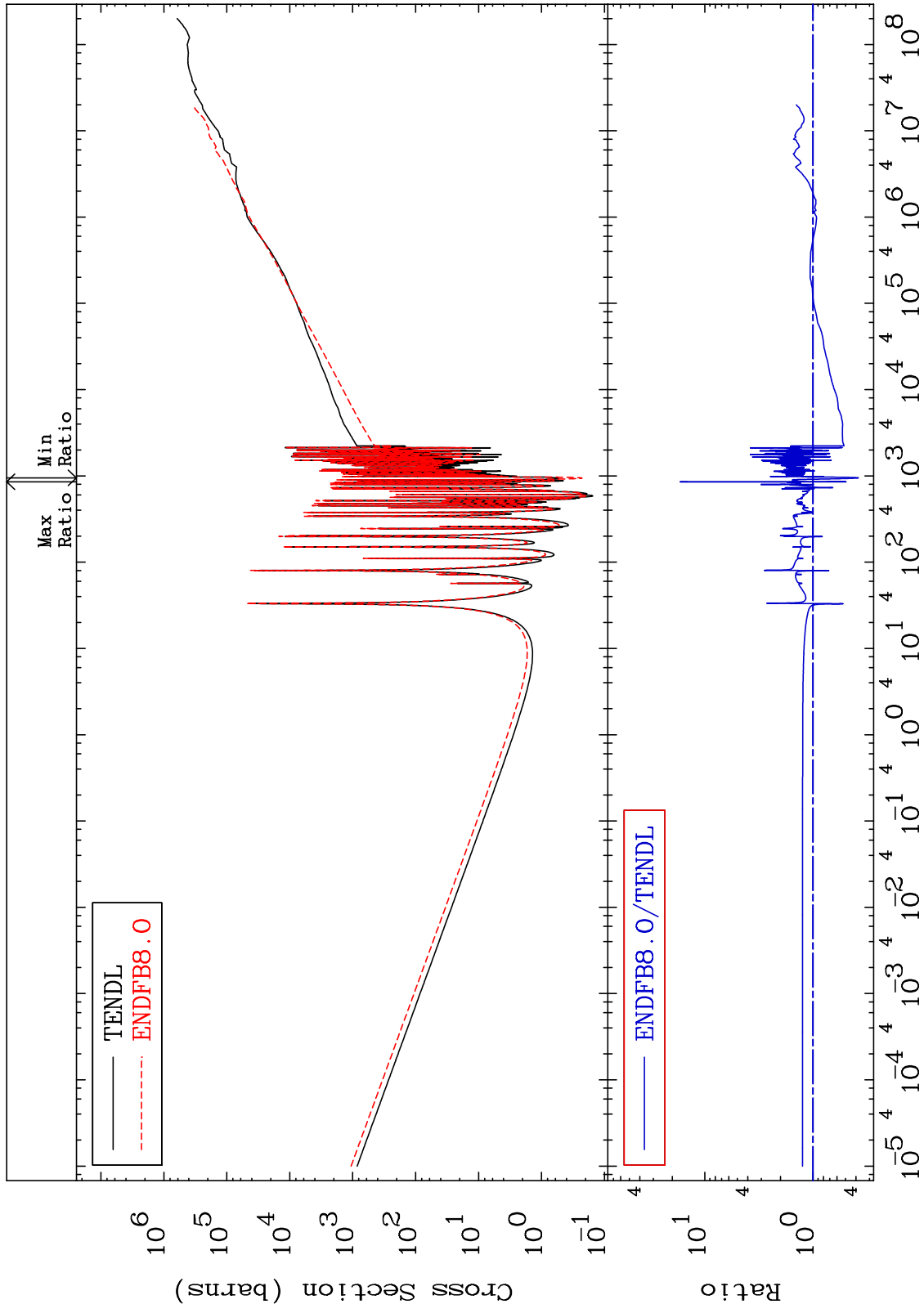
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa total (eV-barns)
Cross Section

64-Gd-156
-61.98 To 1597. %



49

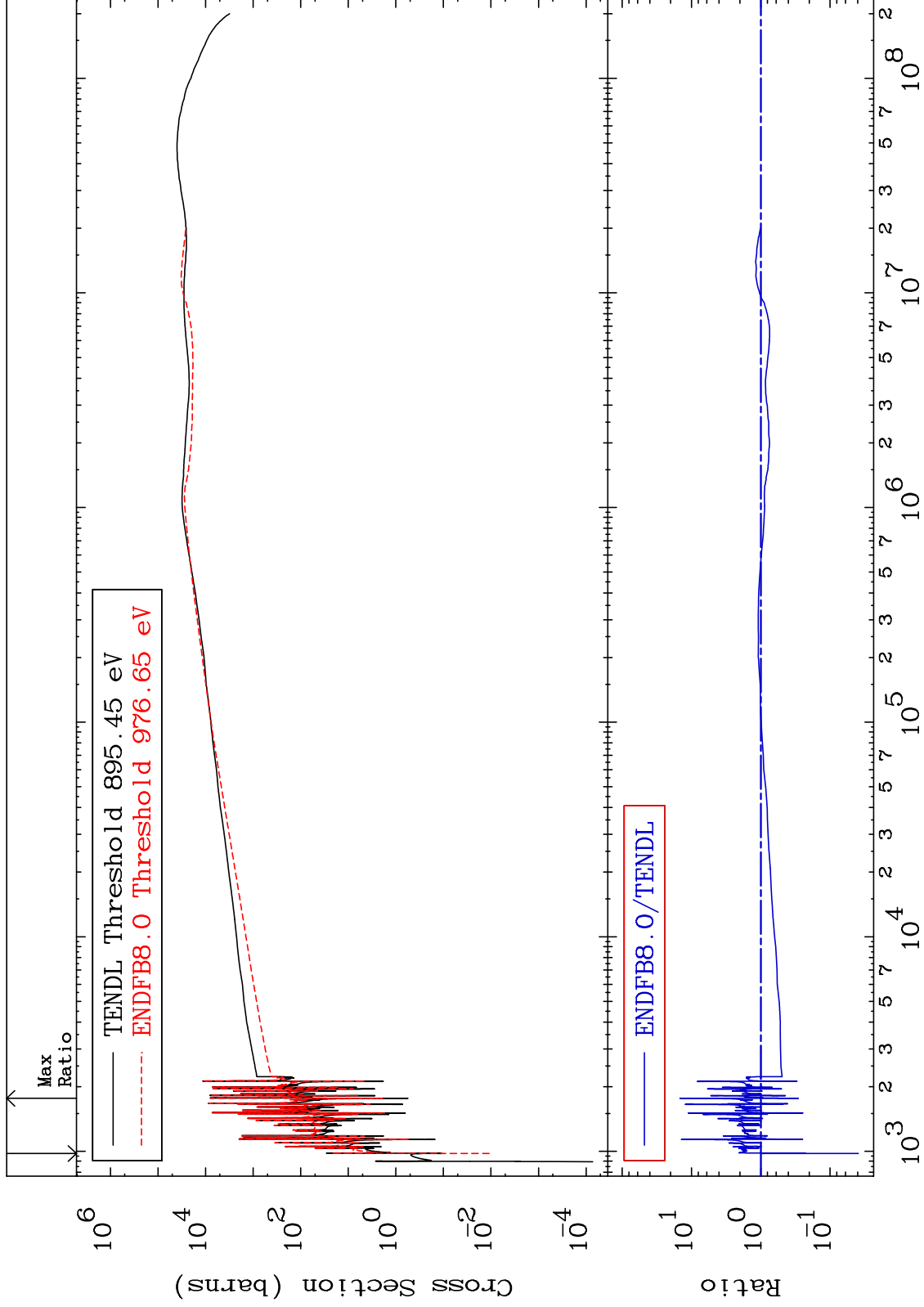
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-96.10 To 1363. %



50

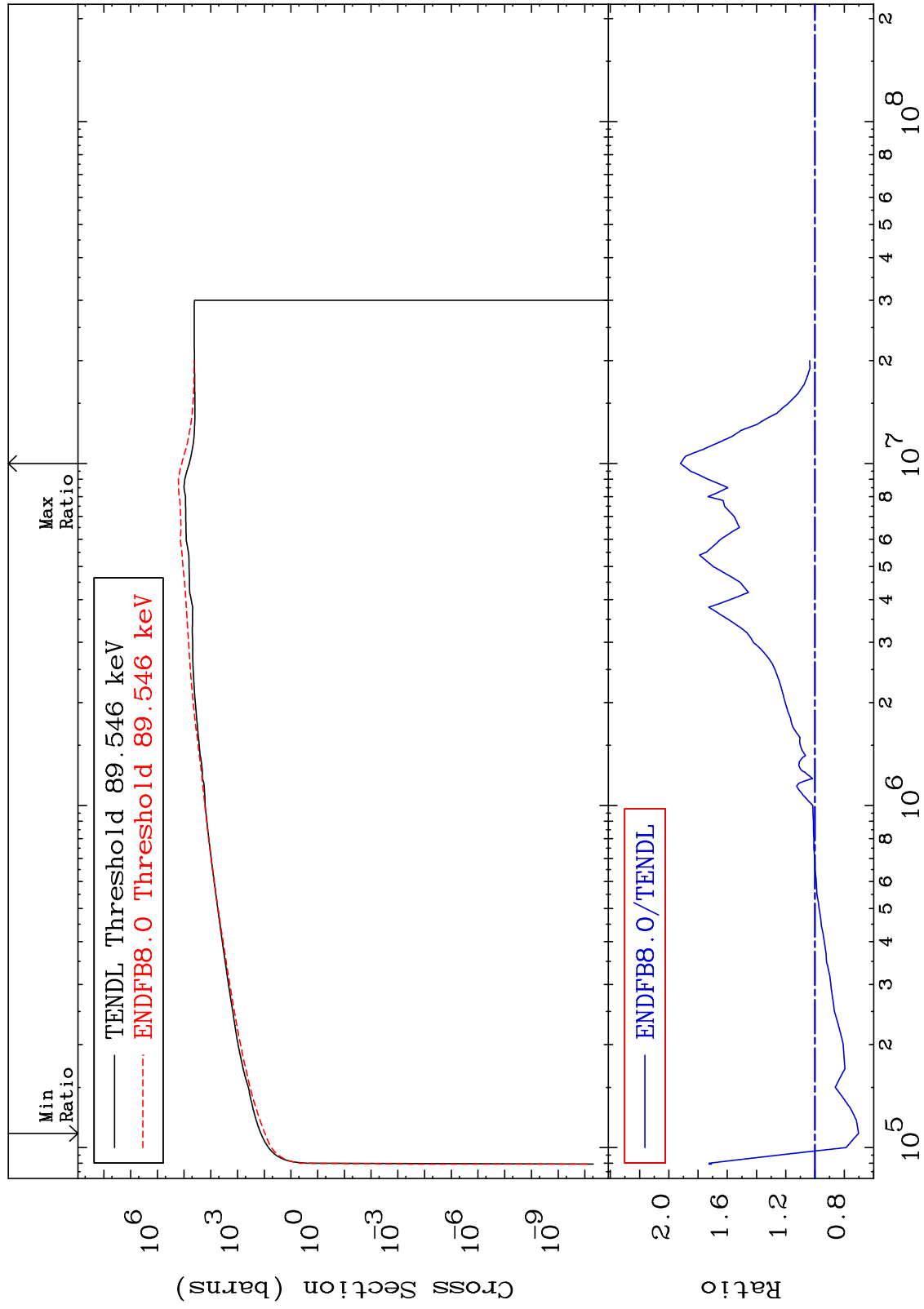
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)
Cross Section

64-Gd-156
-29.78 To 92.04 %



51

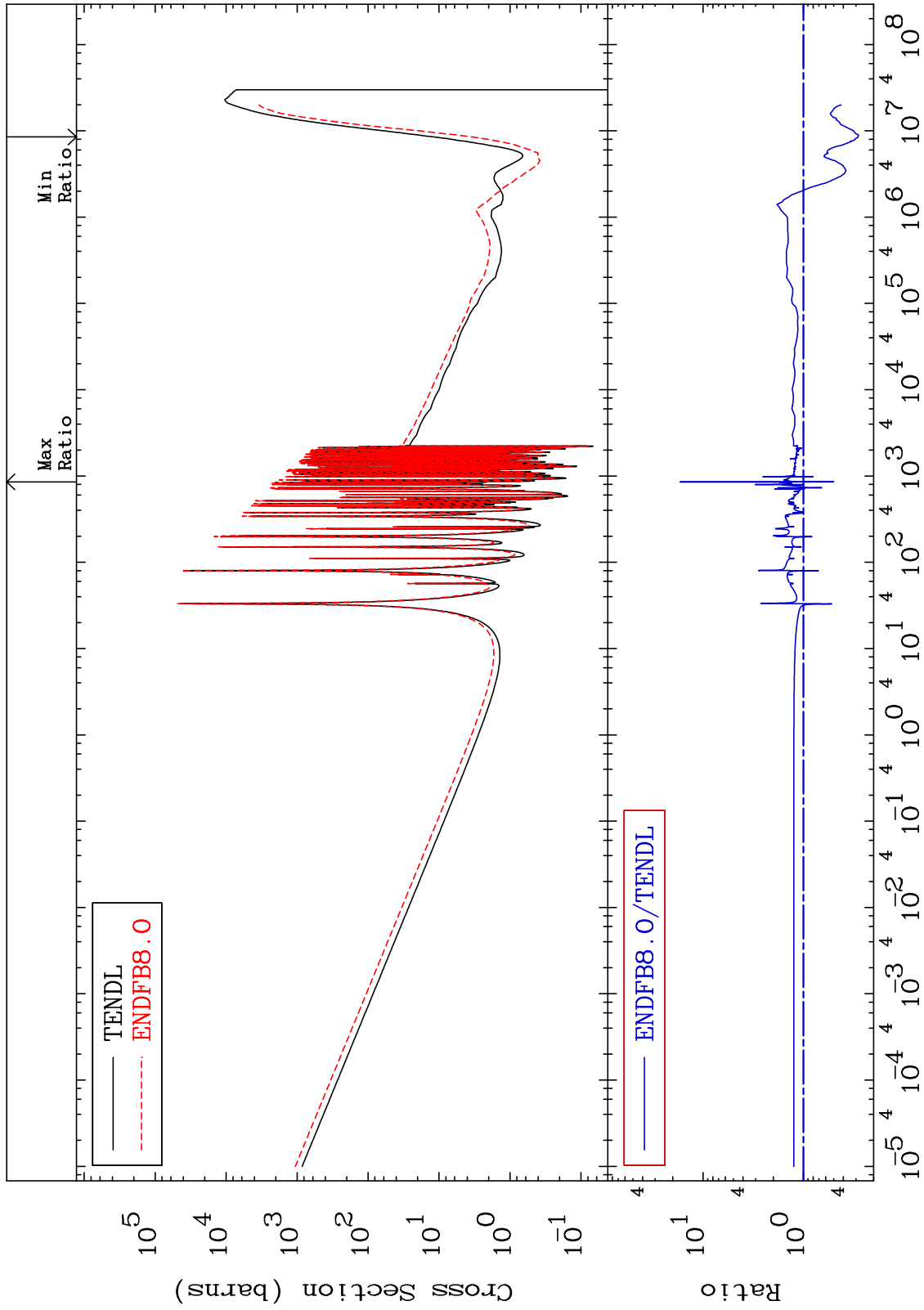
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-156
-71.67 To 1597. %



52

Incident Energy (eV)

64-Gd-156