

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

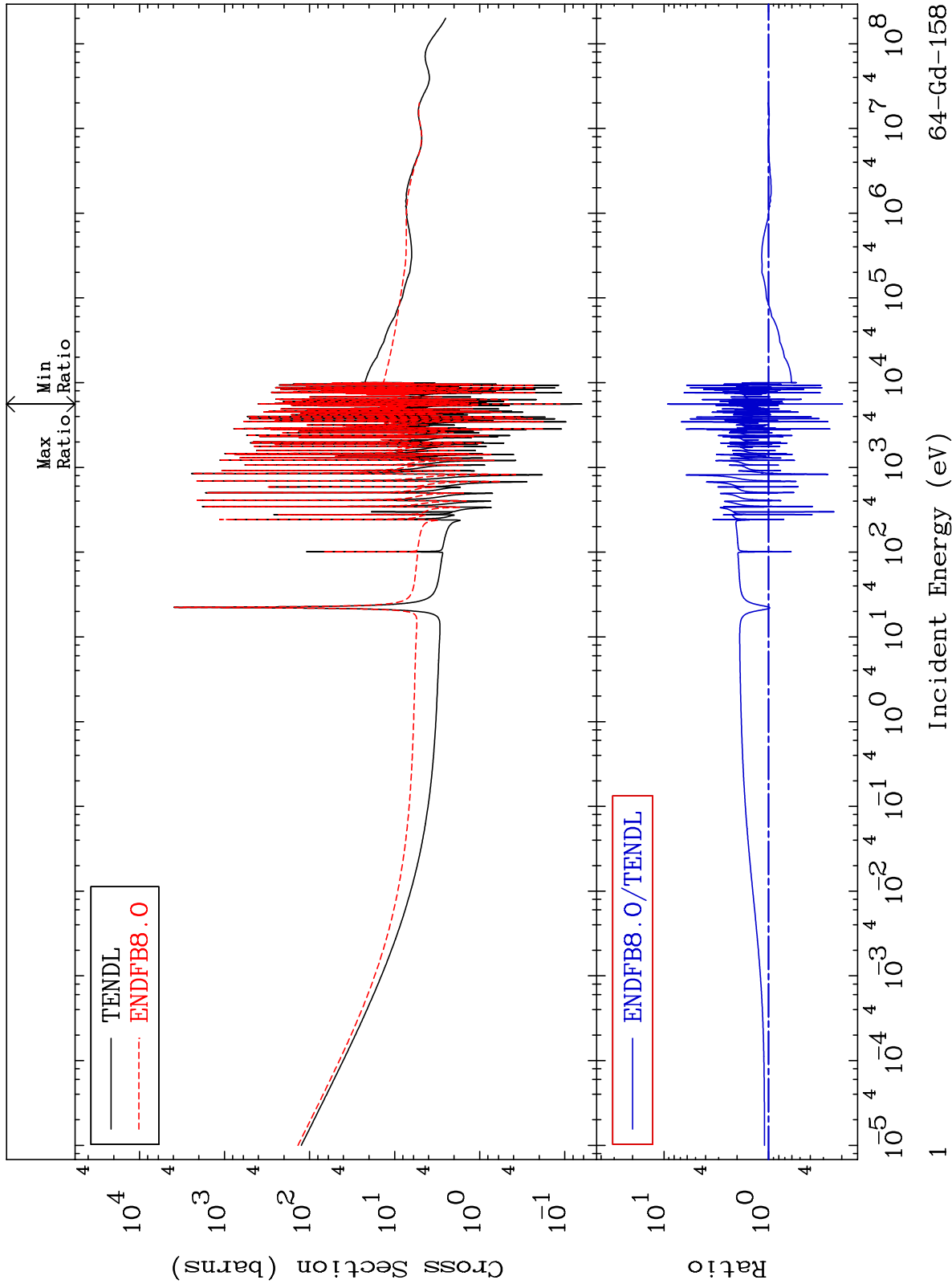
MAT 6443

Total

64-Gd-158

Cross Section

-80.41 To 825.9 %



Incident Energy (eV)

64-Gd-158

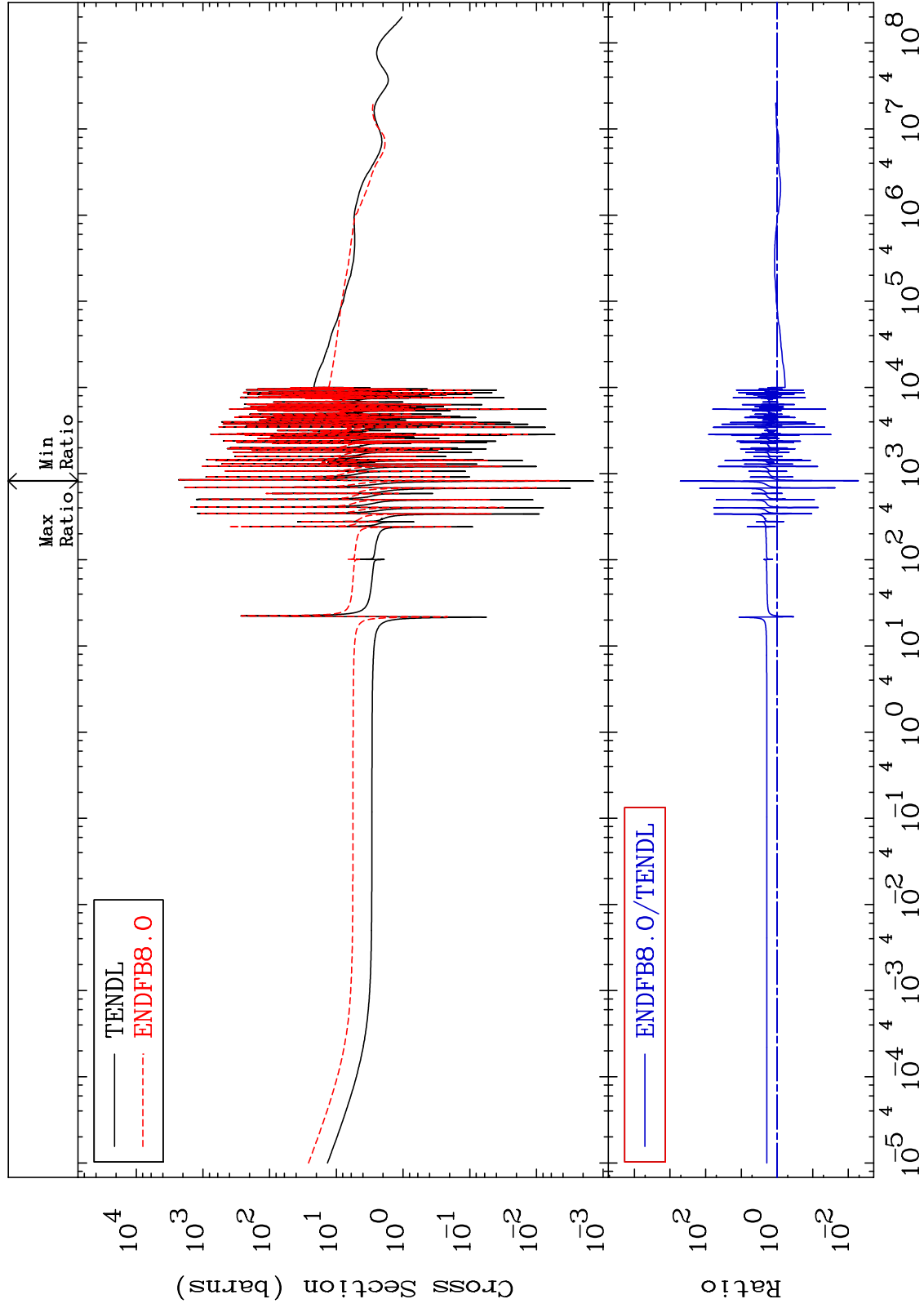
MAT 6443

Elastic

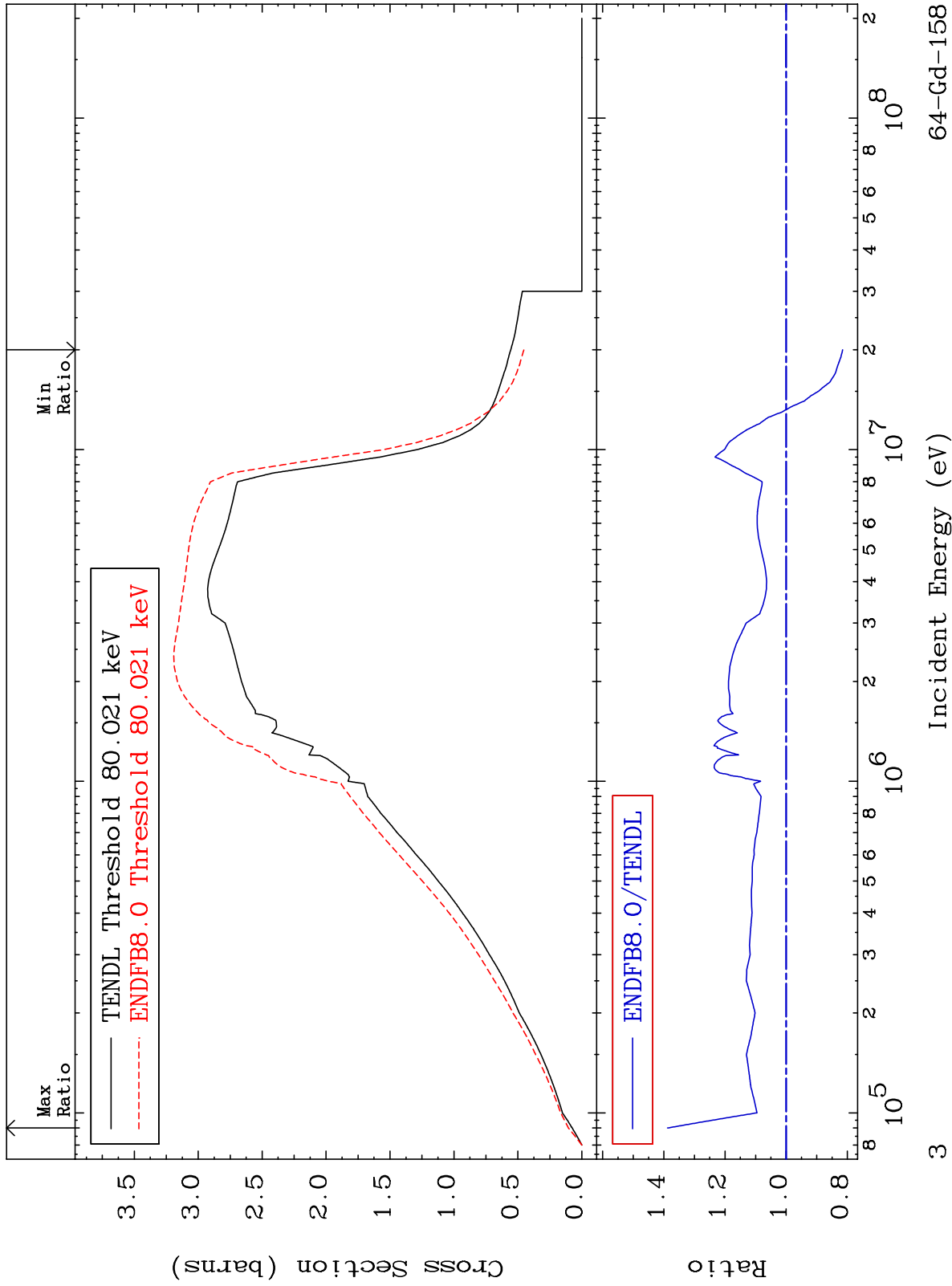
64-Gd-158

Cross Section

-99.48 To 9999. %



MAT 6443 Inelastic Cross Section 64-Gd-158 -18.47 To 38.80 %



3 64-Gd-158

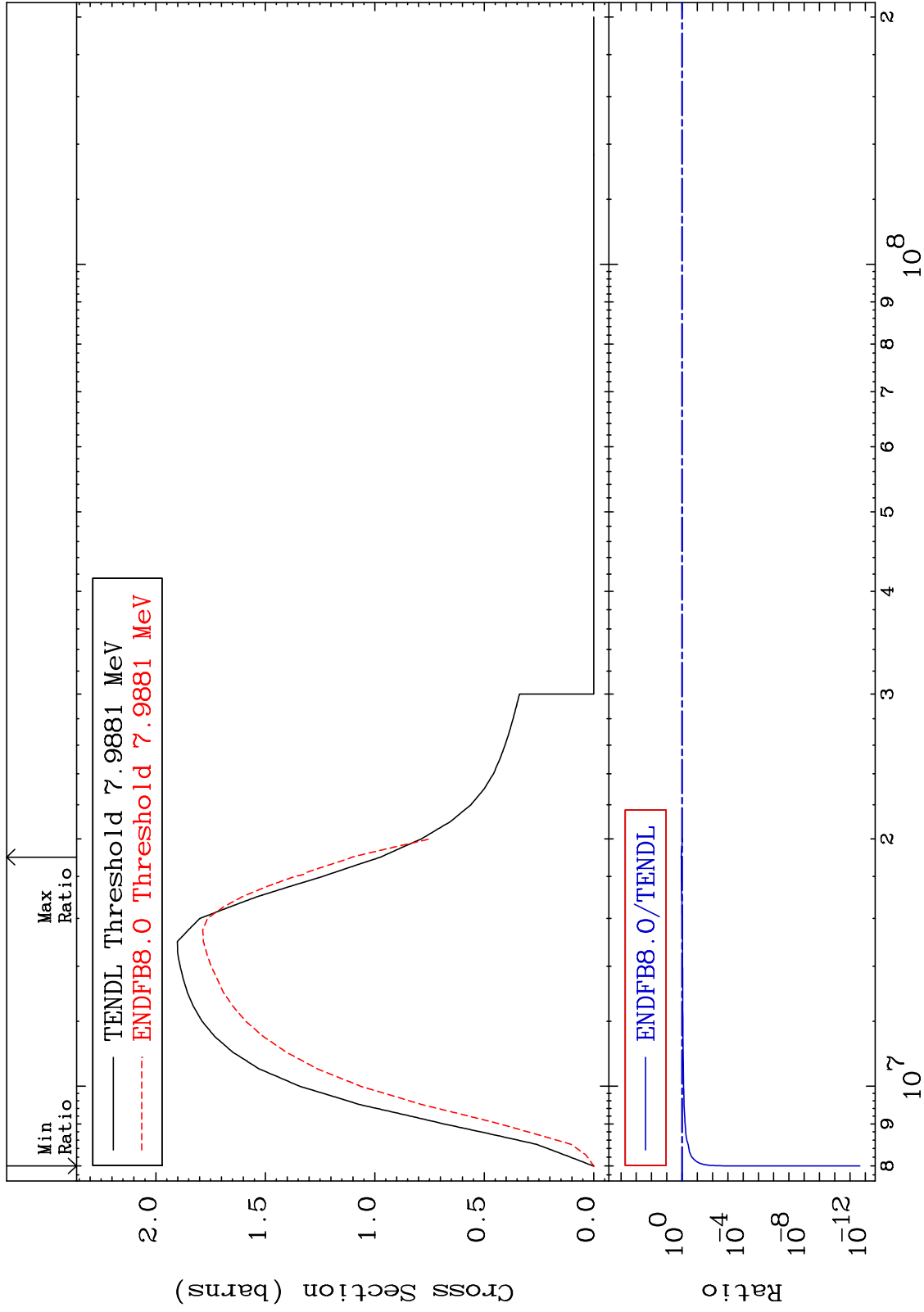
MAT 6443

(n,2n)

64-Gd-158

Cross Section

-100.0 To 13.27 %



4

Incident Energy (eV)

64-Gd-158

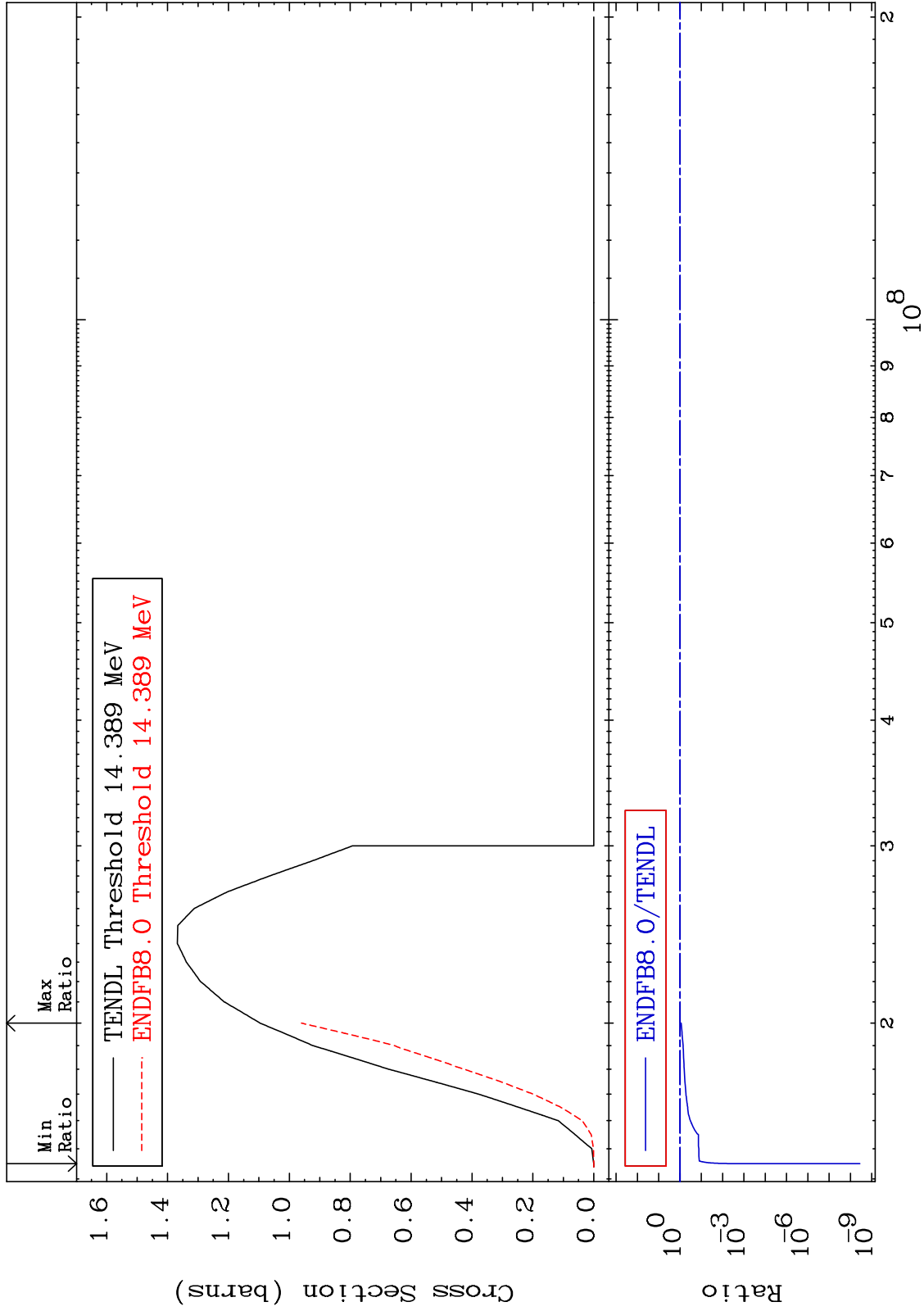
MAT 6443

(n,3n)

64-Gd-158

Cross Section

-100.0 To -12.41%



64-Gd-158

Incident Energy (eV)

5

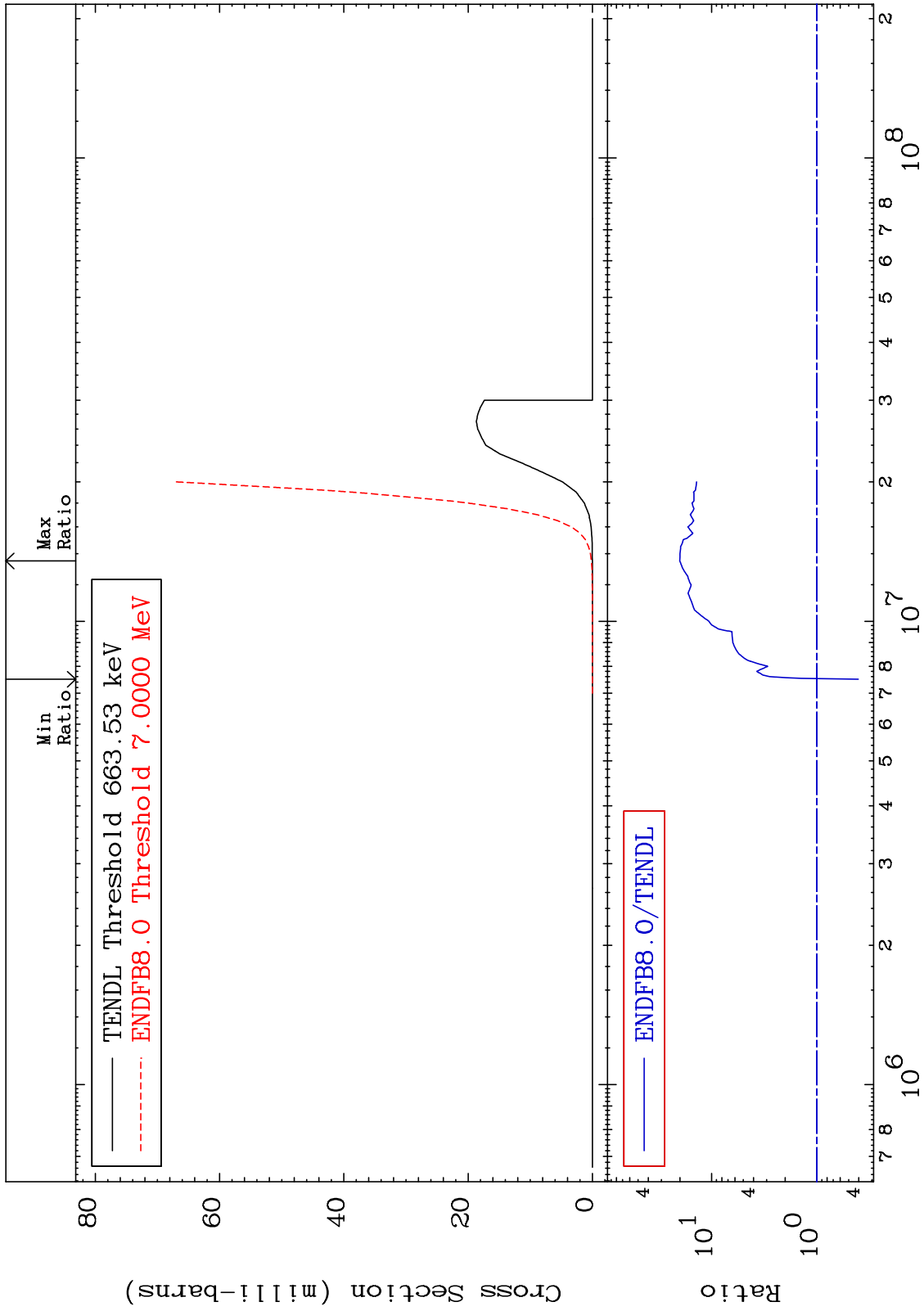
MAT 6443

(n, n') α

64-Gd-158

-59.58 To 1905. %

Cross Section



6

Incident Energy (eV)

64-Gd-158

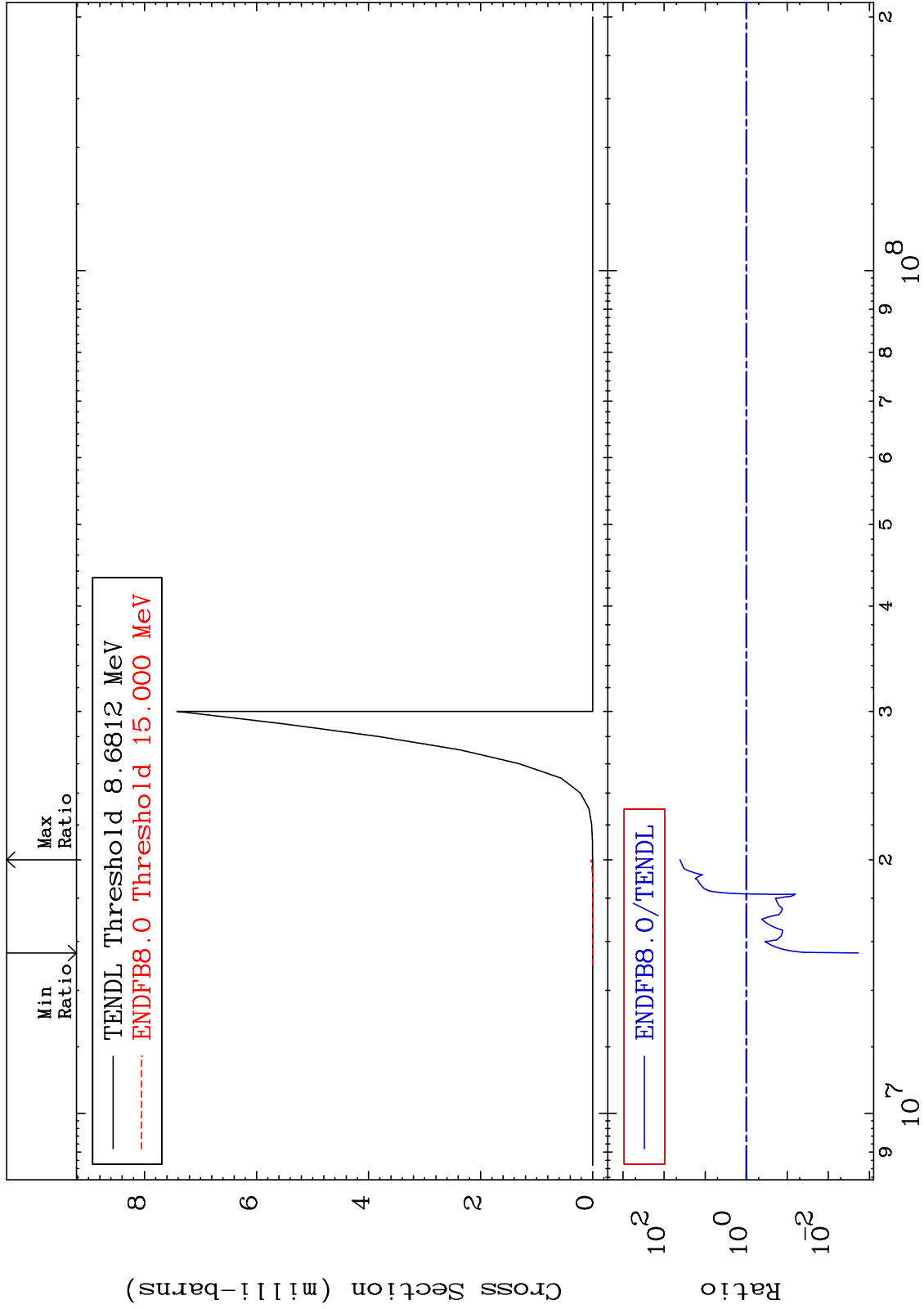
MAT 6443

(n,2n) α

64-Gd-158

Cross Section

-99.81 To 4002. %



7

Incident Energy (eV)

64-Gd-158

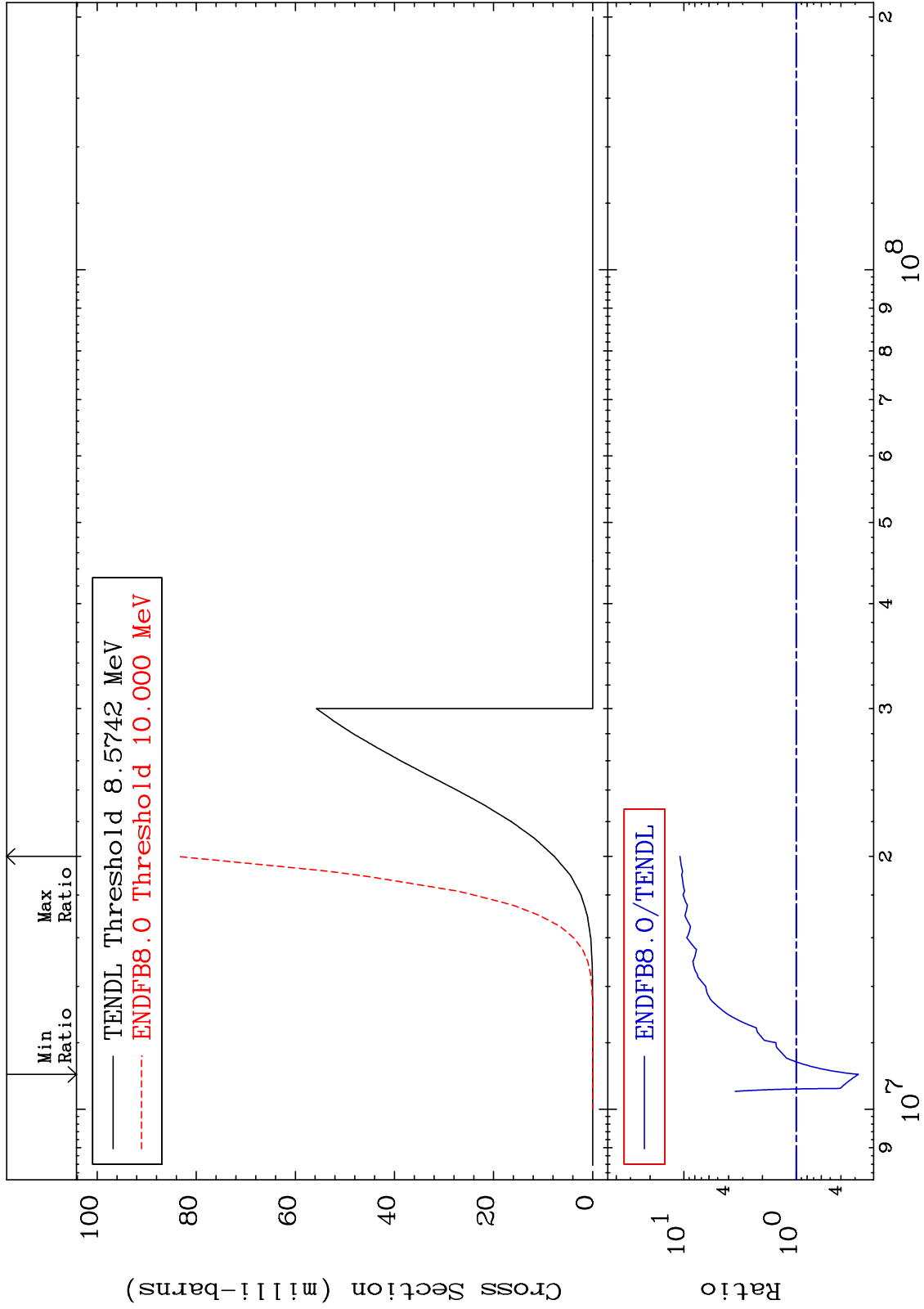
MAT 6443

(n,n') p

64-Gd-158

Cross Section

-72.00 To 983.9 %



64-Gd-158

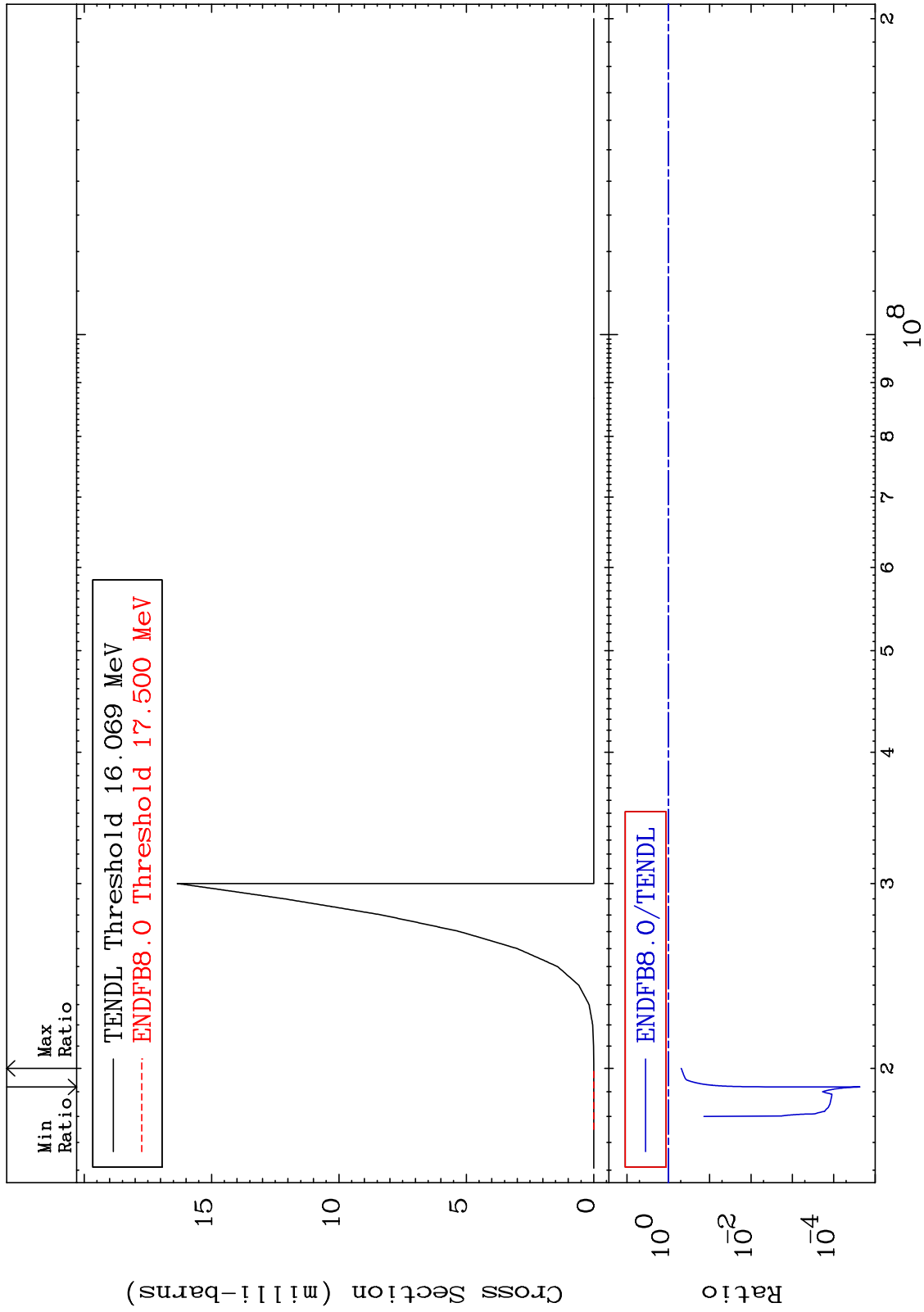
Incident Energy (eV)

8

MAT 6443

(n,2n) p
Cross Section

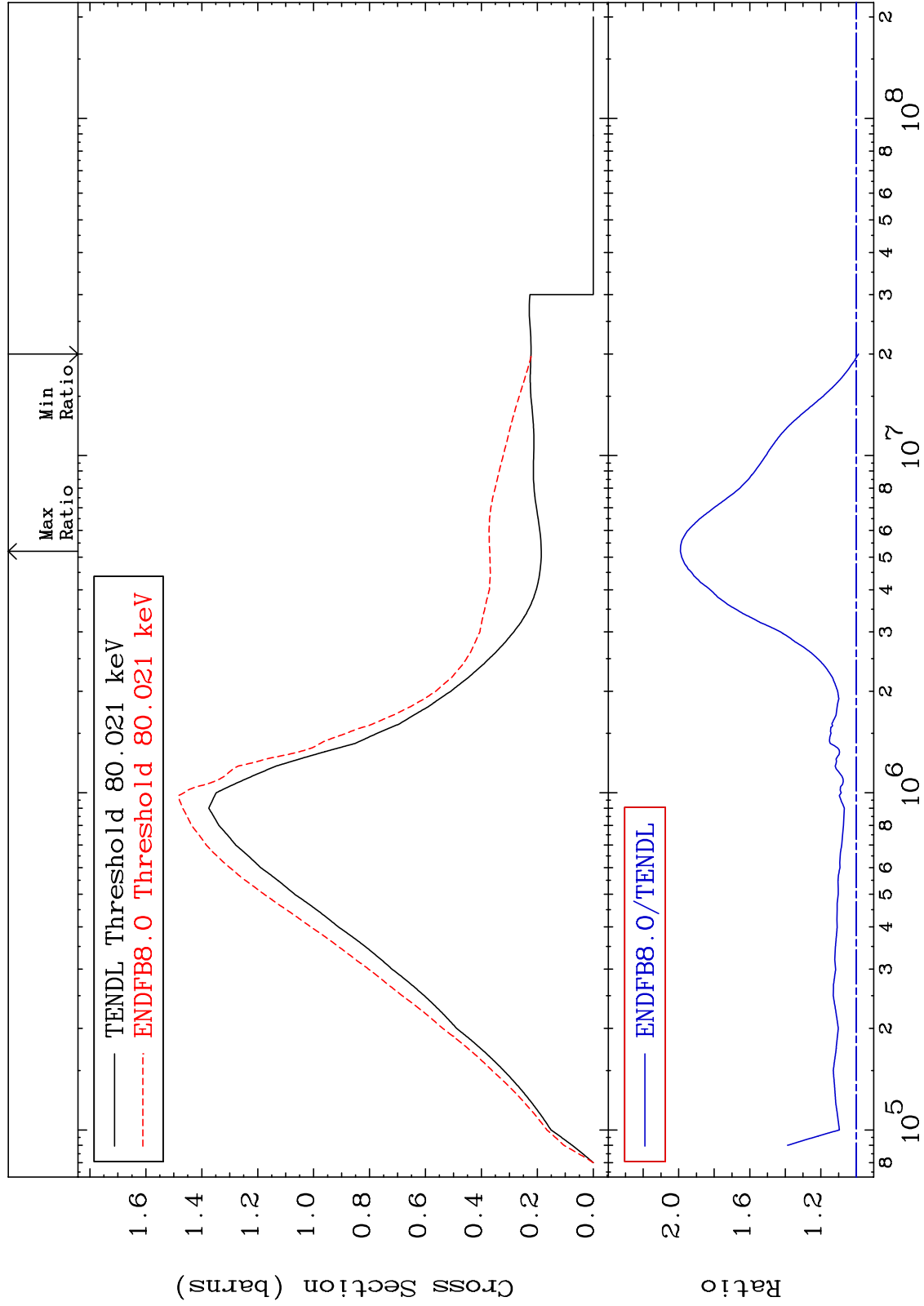
64-Gd-158
-100.0 To -51.34%



MAT 6443

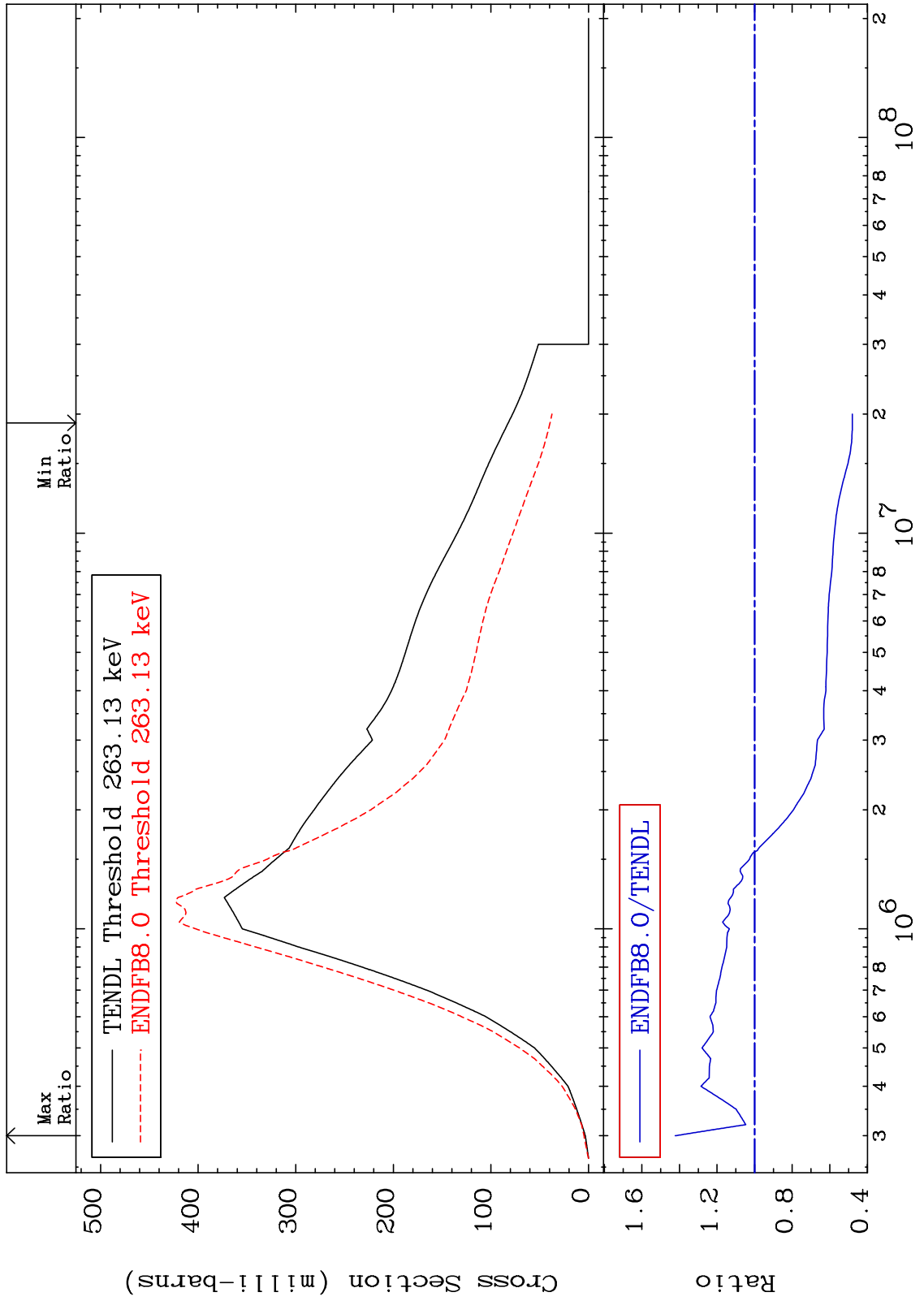
MT= 51 (n,n') Level
Cross Section

64-Gd-158
-1.230 To 99.02 %



Incident Energy (eV) 64-Gd-158

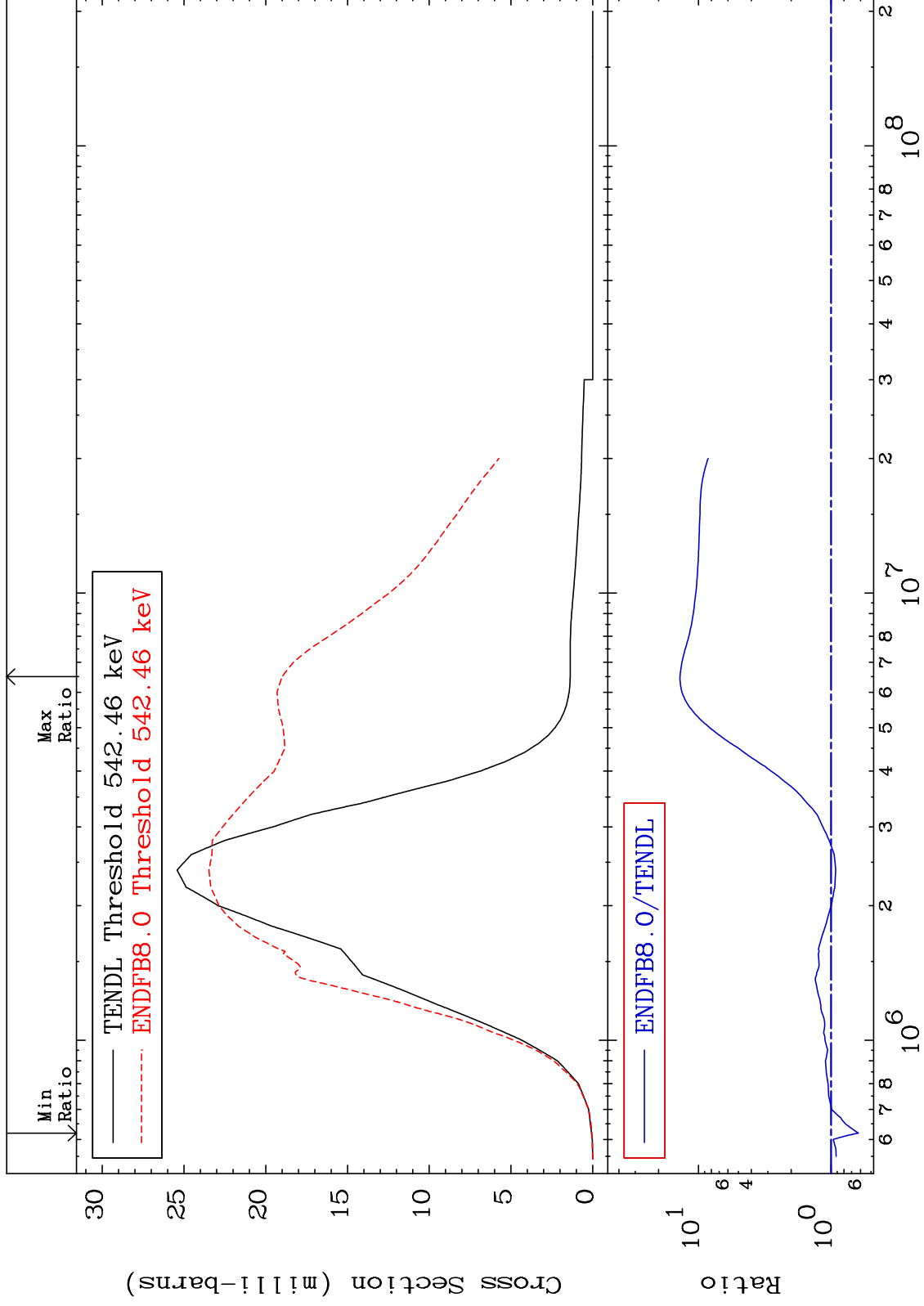
MAT 6443 MT= 52 (n,n') Level 64-Gd-158
 Cross Section -52.03 To 42.25 %



MAT 6443

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

64-Gd-158
-37.76 To 1281. %



12

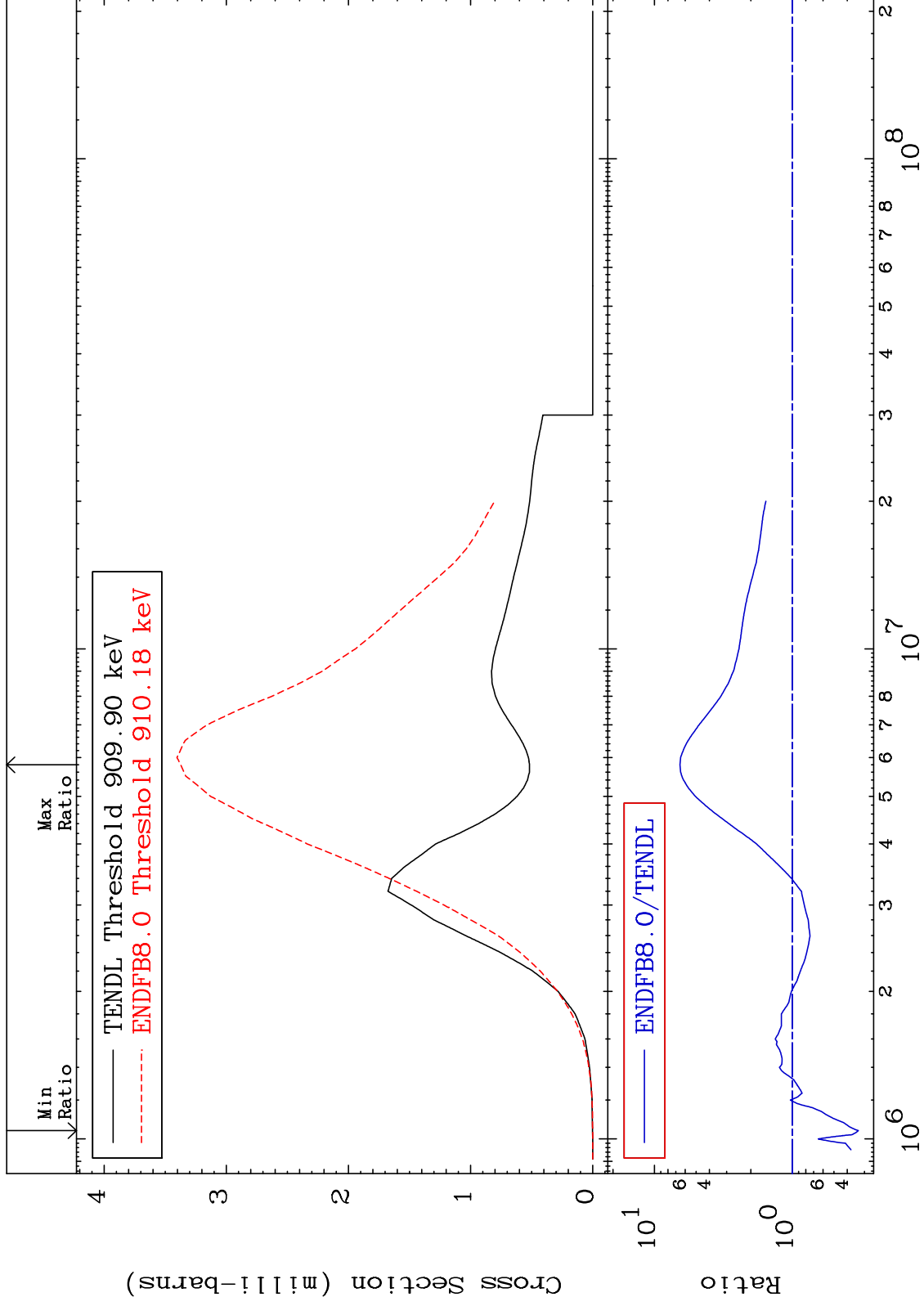
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
-66.83 To 552.9 %



13

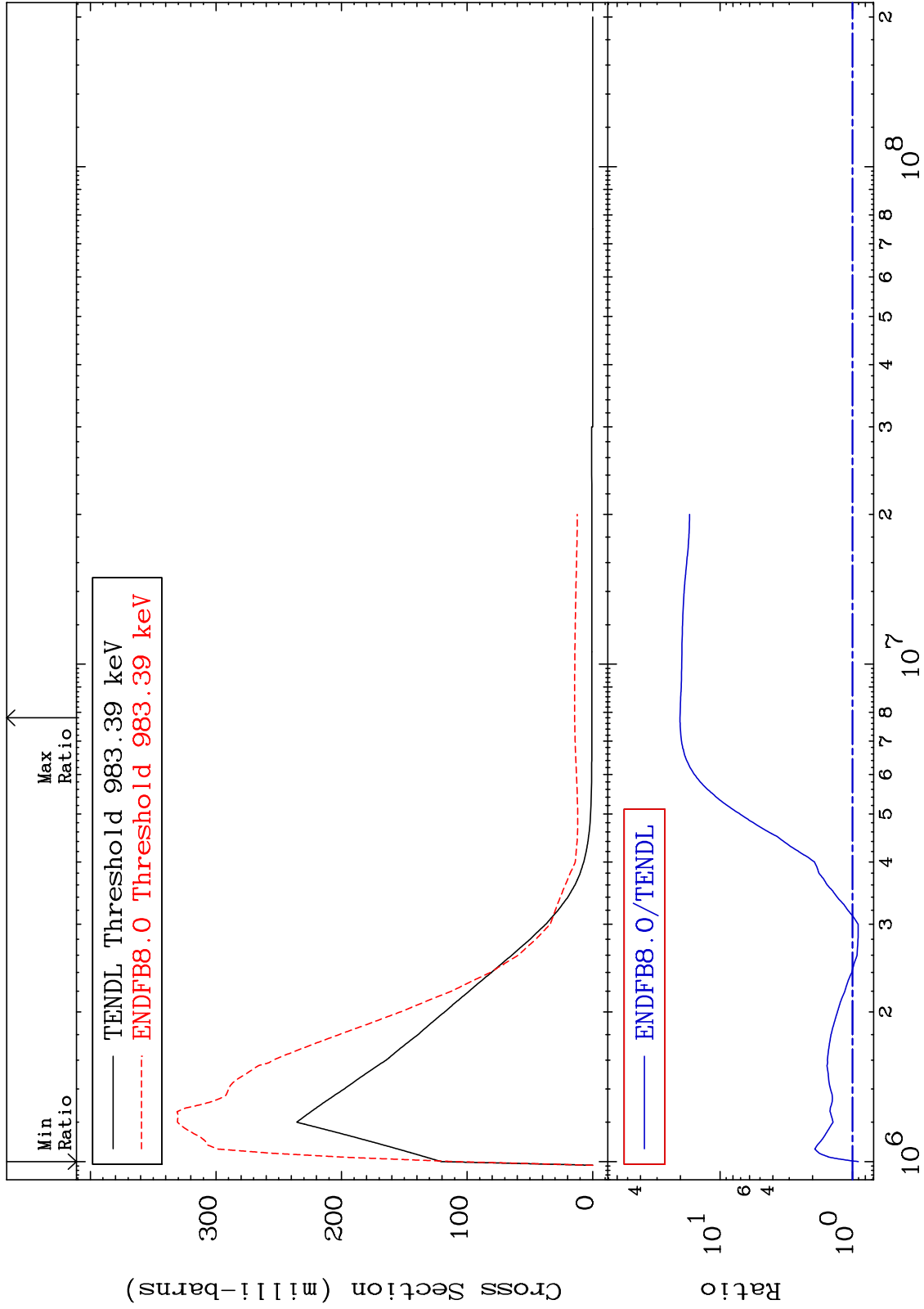
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
-9.898 To 1911. %



14

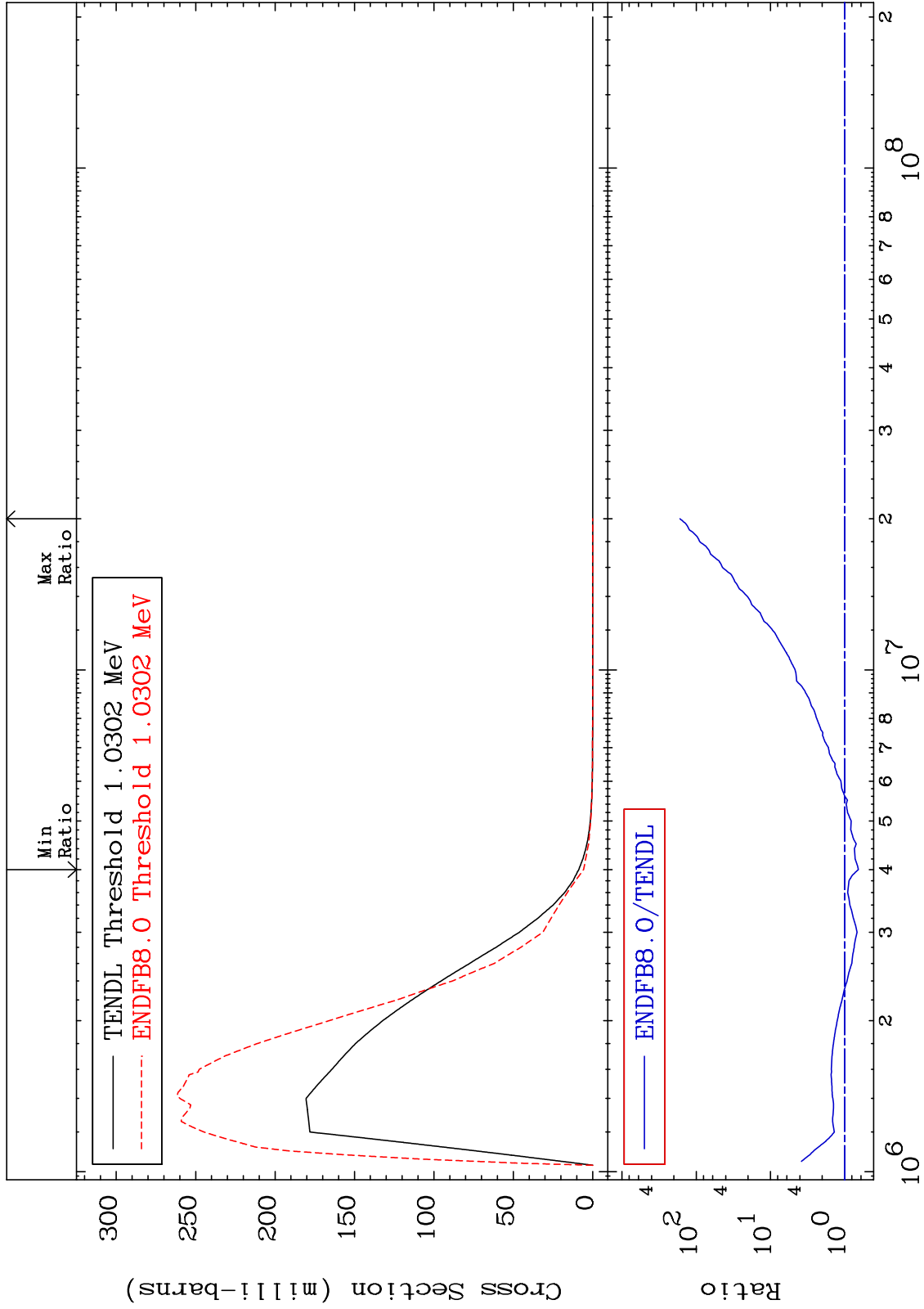
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
-34.94 To 9999. %

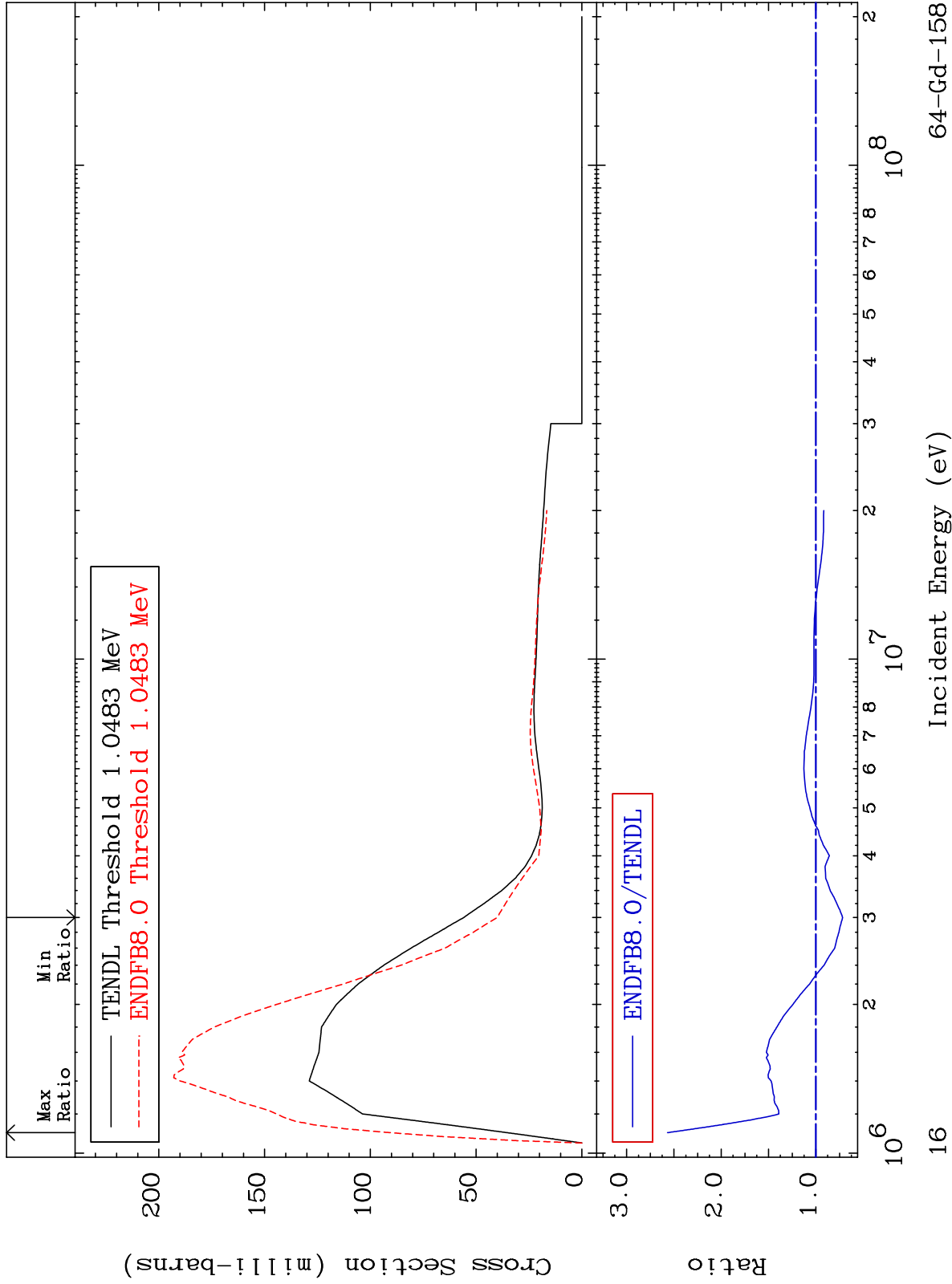


Incident Energy (eV) 64-Gd-158

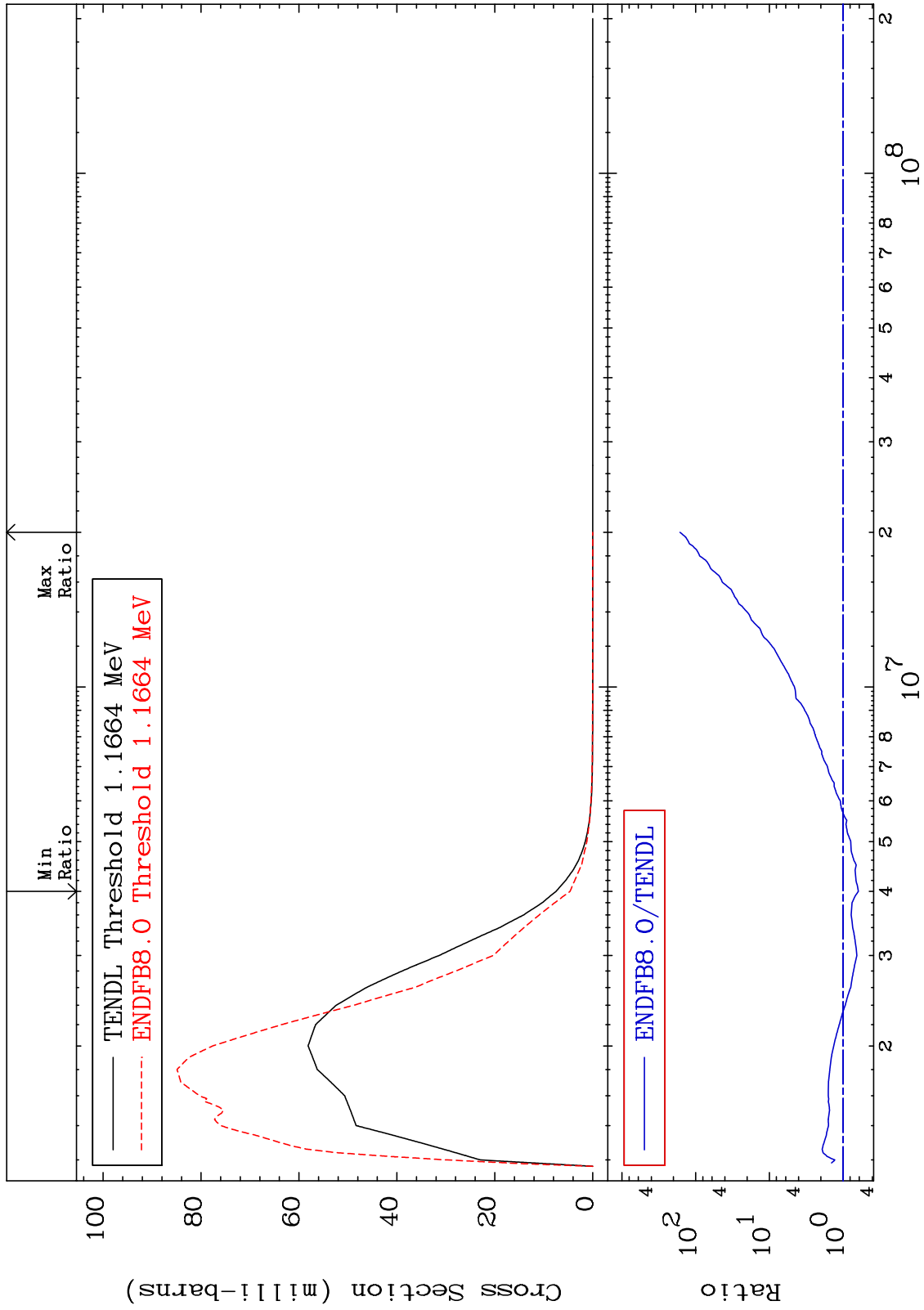
MAT 6443

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

64-Gd-158
-28.30 To 156.8 %



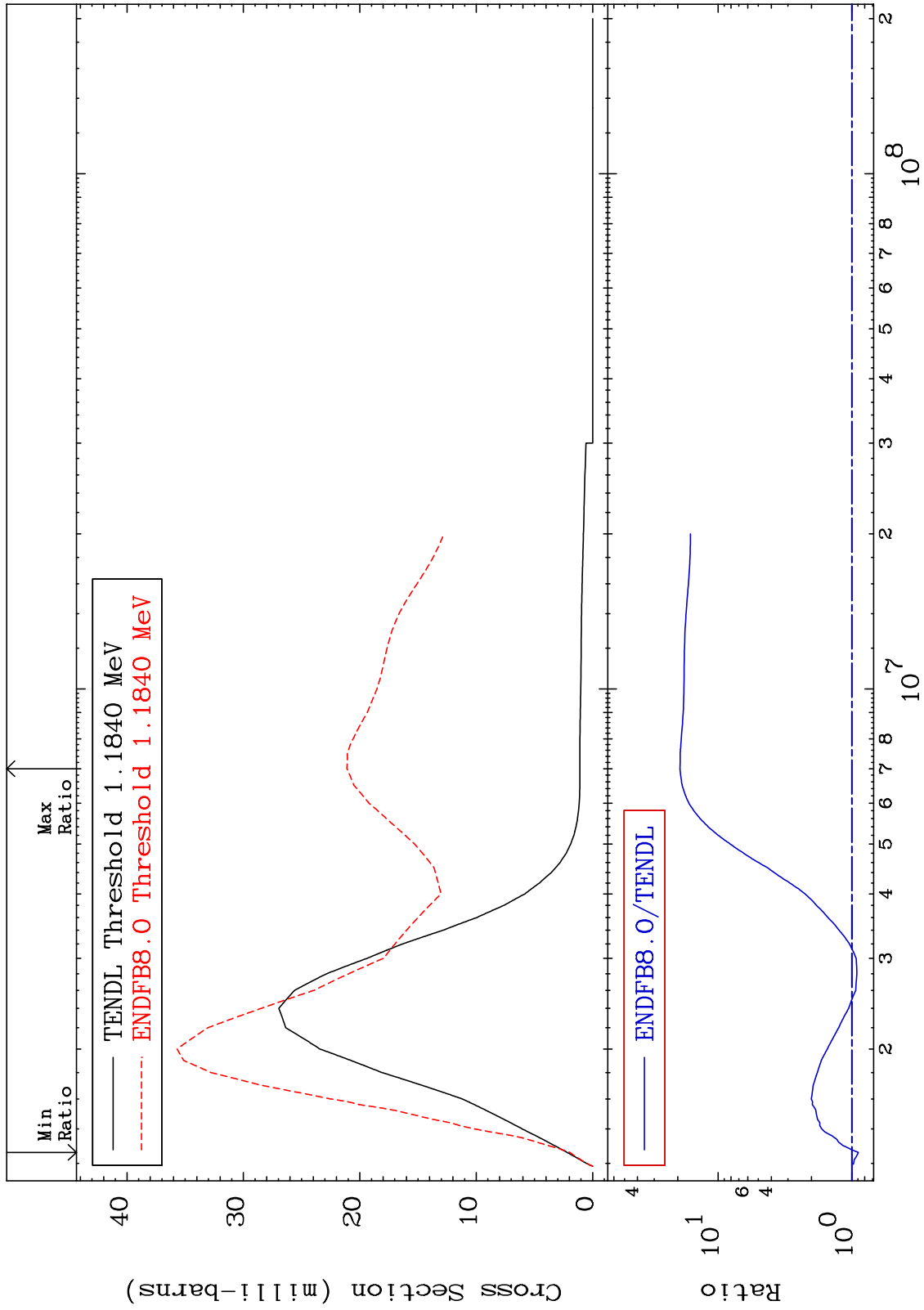
MAT 6443 MT= 58 (n, n') Level
 Cross Section 64-Gd-158
 -38.24 To 9999. %



MAT 6443

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

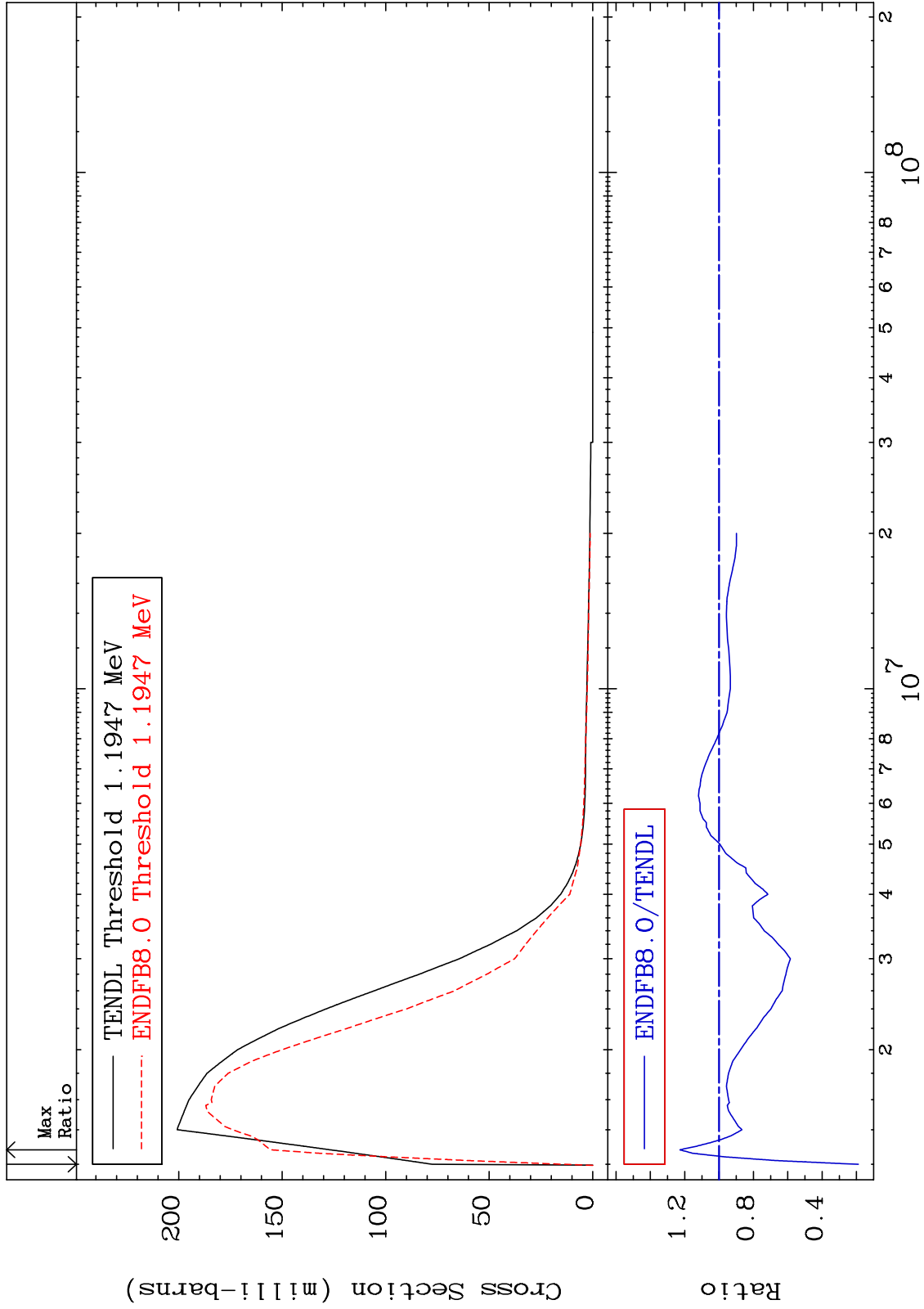
64-Gd-158
-10.78 To 1824. %



MAT 6443

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

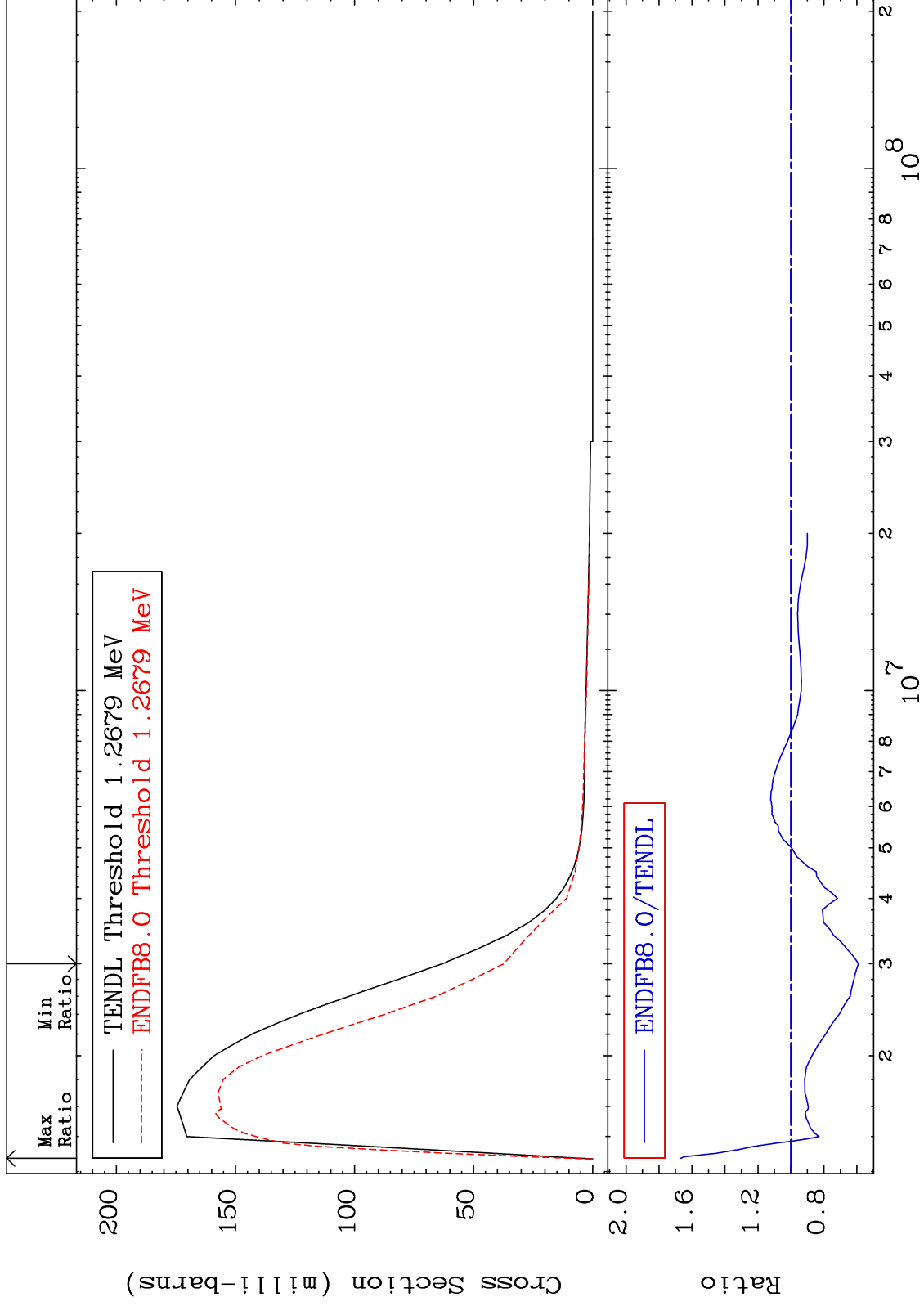
64-Gd-158
-81.13 To 22.75 %



MAT 6443

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

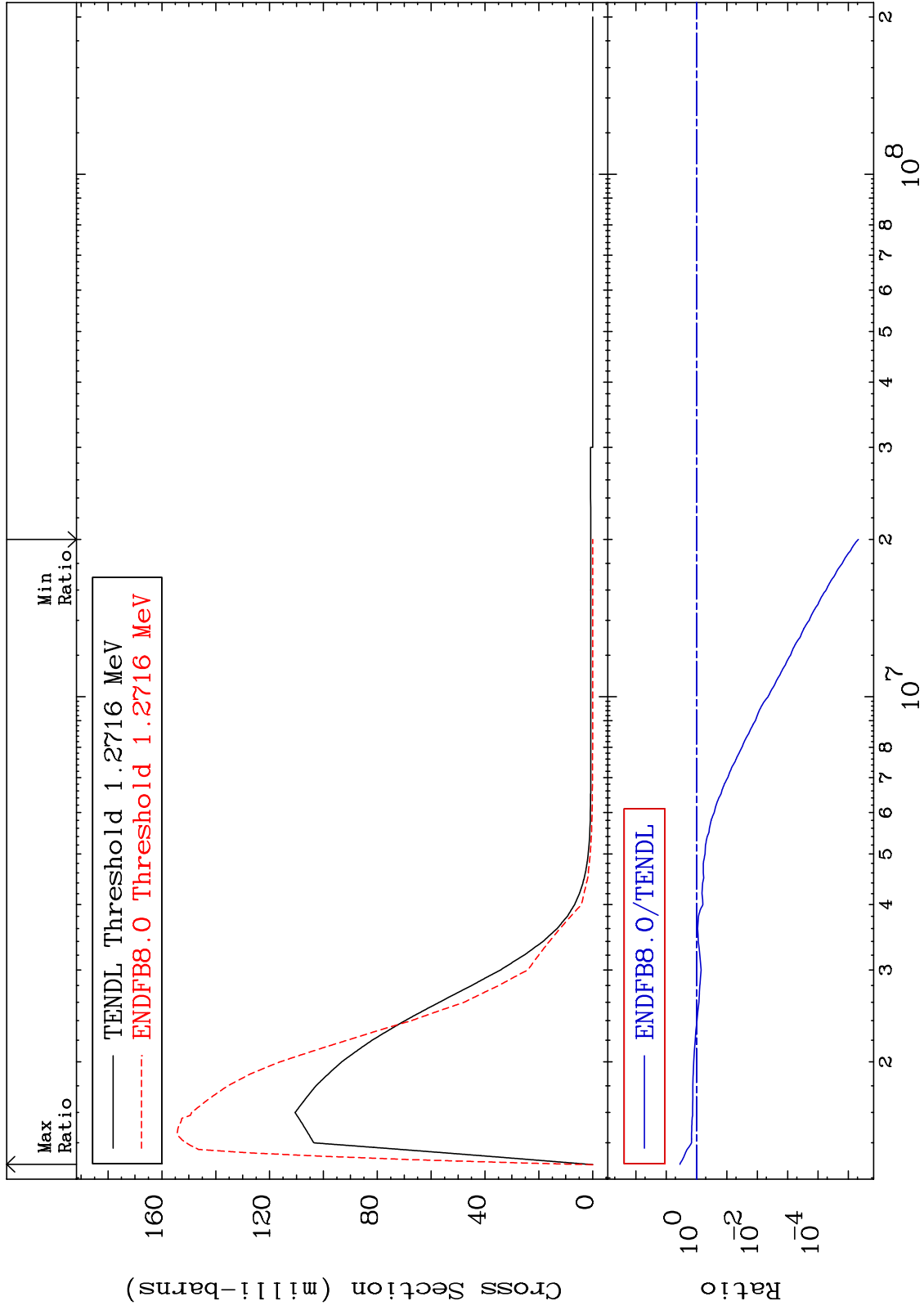
64-Gd-158
-40.90 To 67.24 %



MAT 6443

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

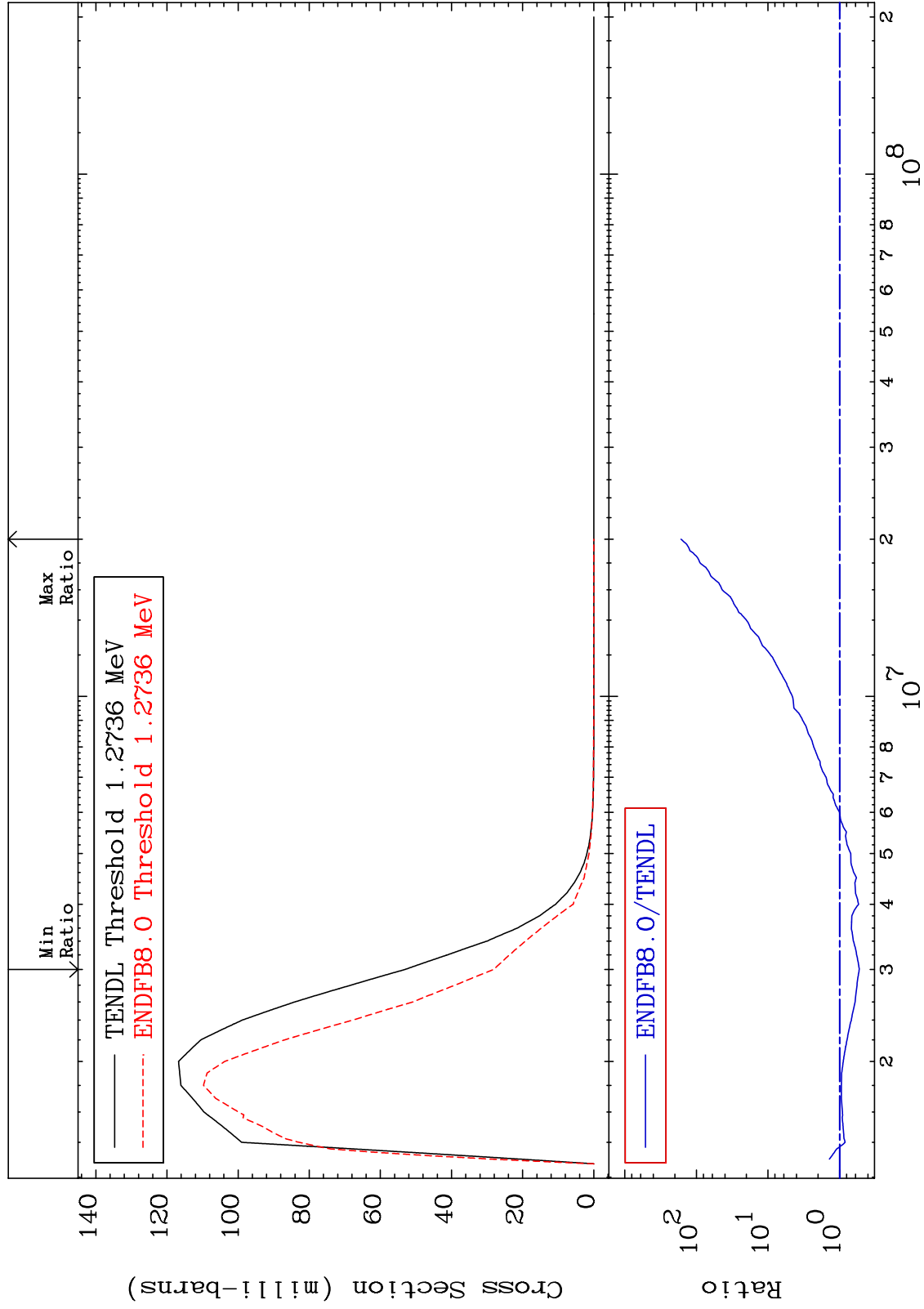
64-Gd-158
-100.0 To 250.8 %



MAT 6443

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

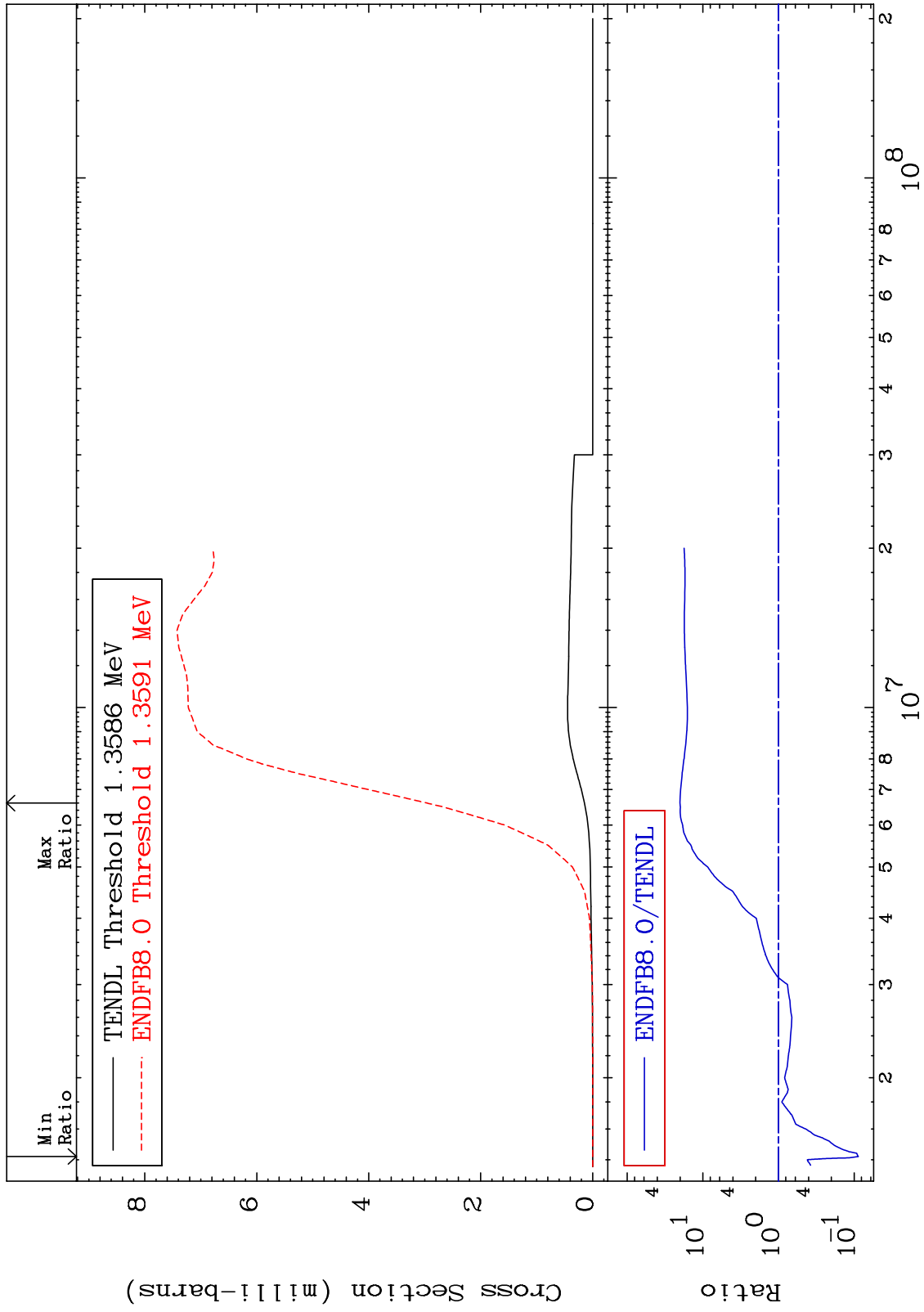
64-Gd-158
-46.96 To 9999. %



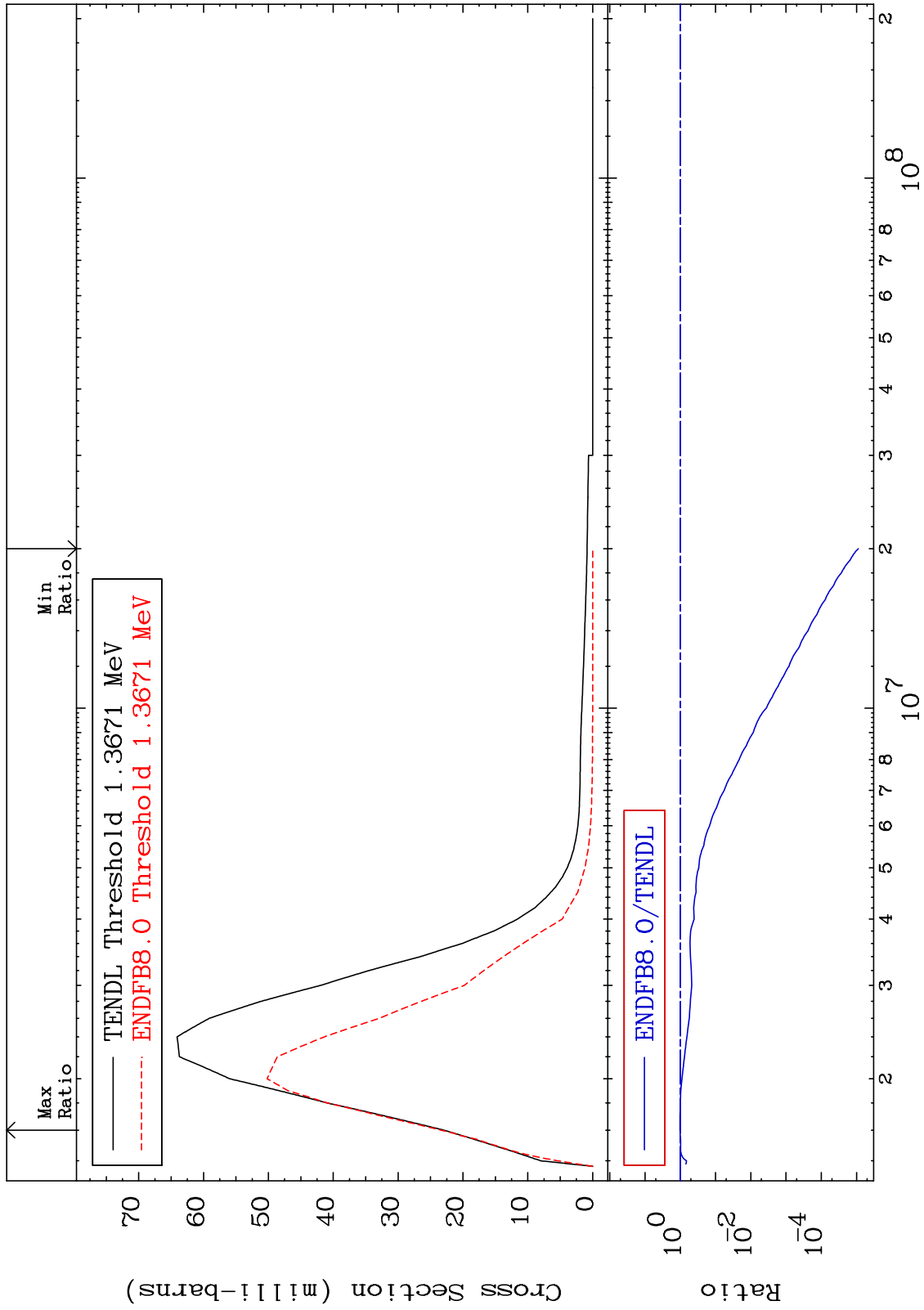
MAT 6443

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

64-Gd-158
-91.22 To 1905. %



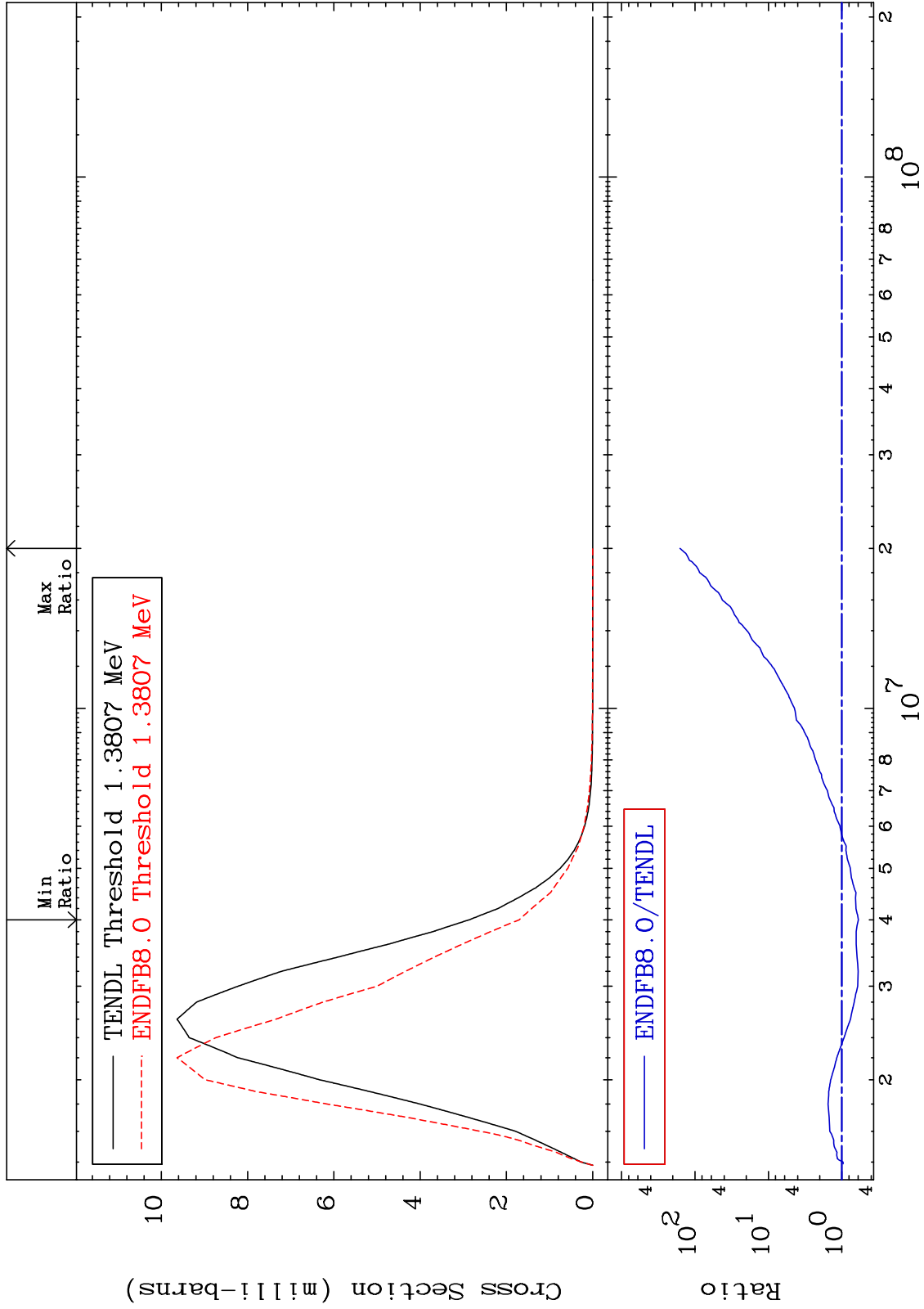
MAT 6443 MT= 66 (n,n') Level Cross Section 64-Gd-158
 -100.0 To 1.878 %



MAT 6443

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

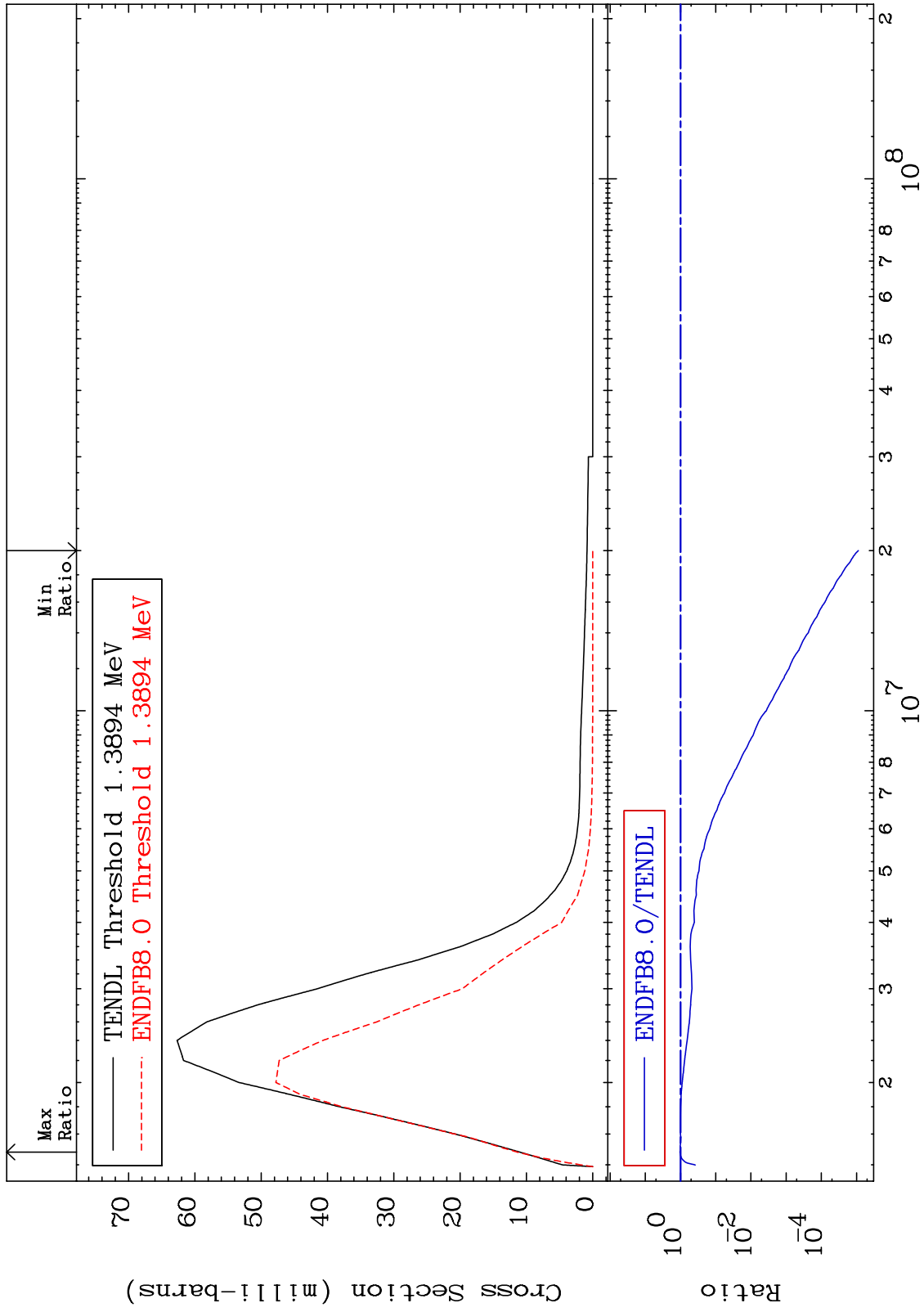
64-Gd-158
-40.42 To 9999. %



MAT 6443

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

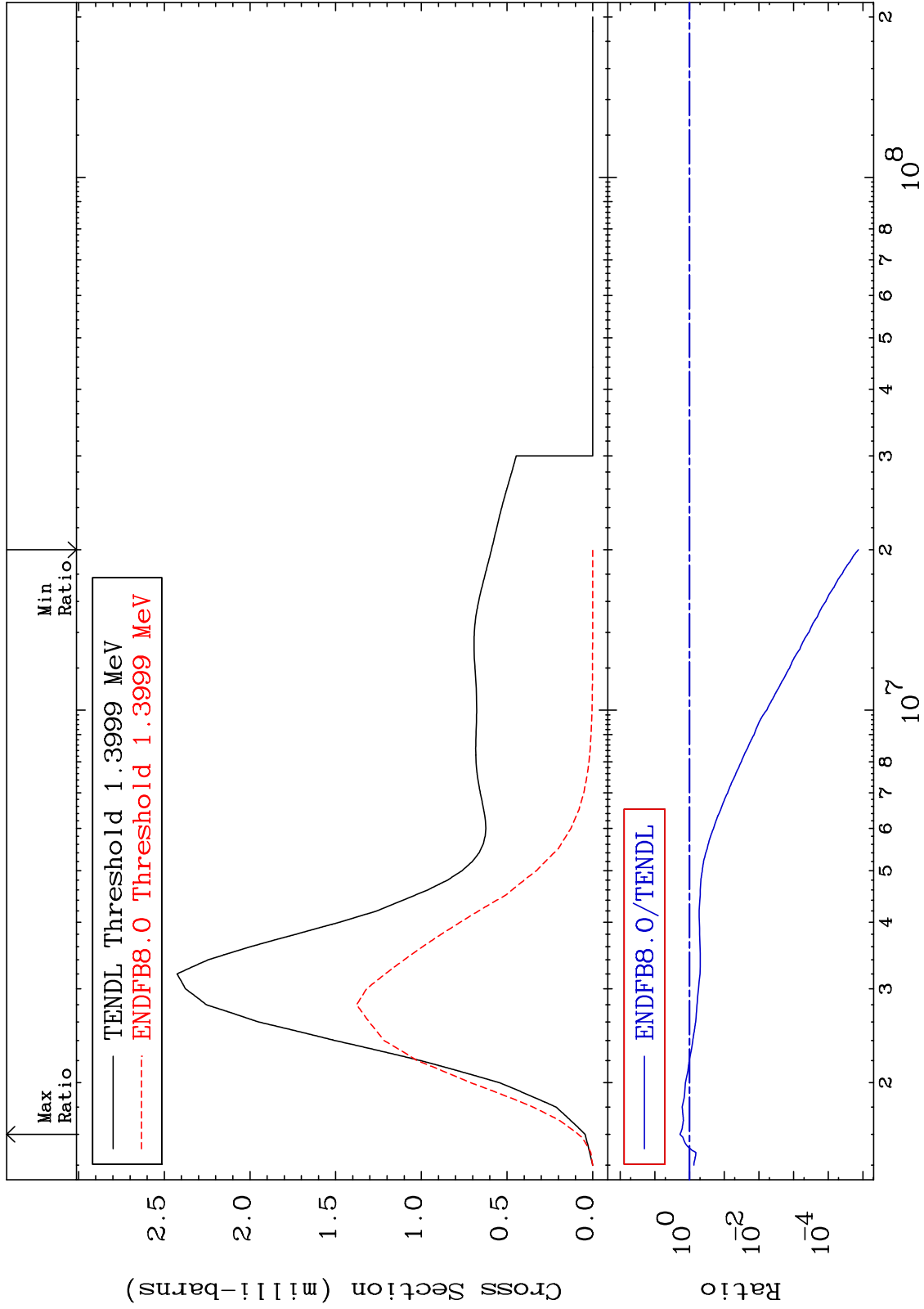
64-Gd-158
-100.0 To 3.413 %



MAT 6443

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

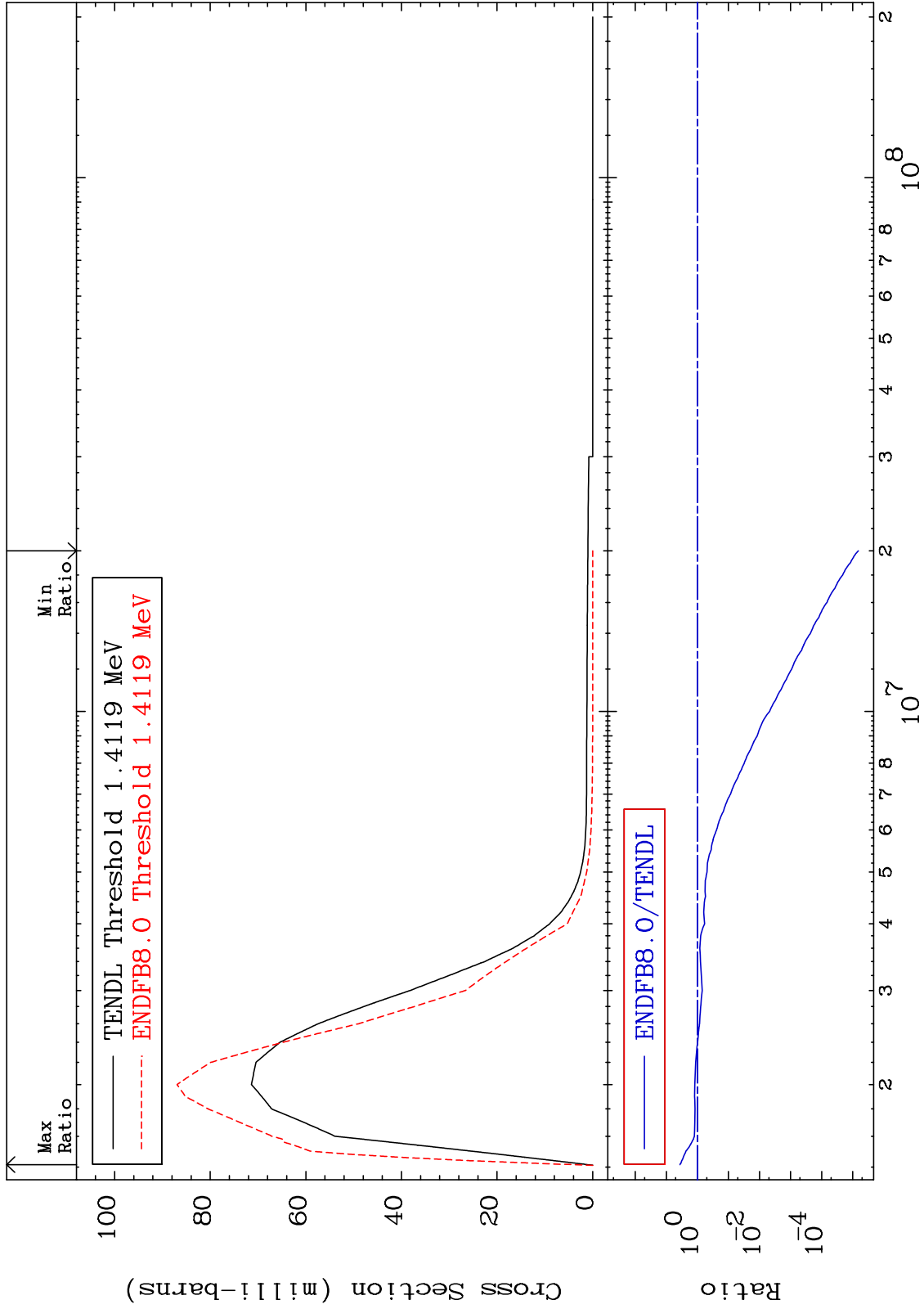
64-Gd-158
-100.0 To 88.28 %



MAT 6443

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

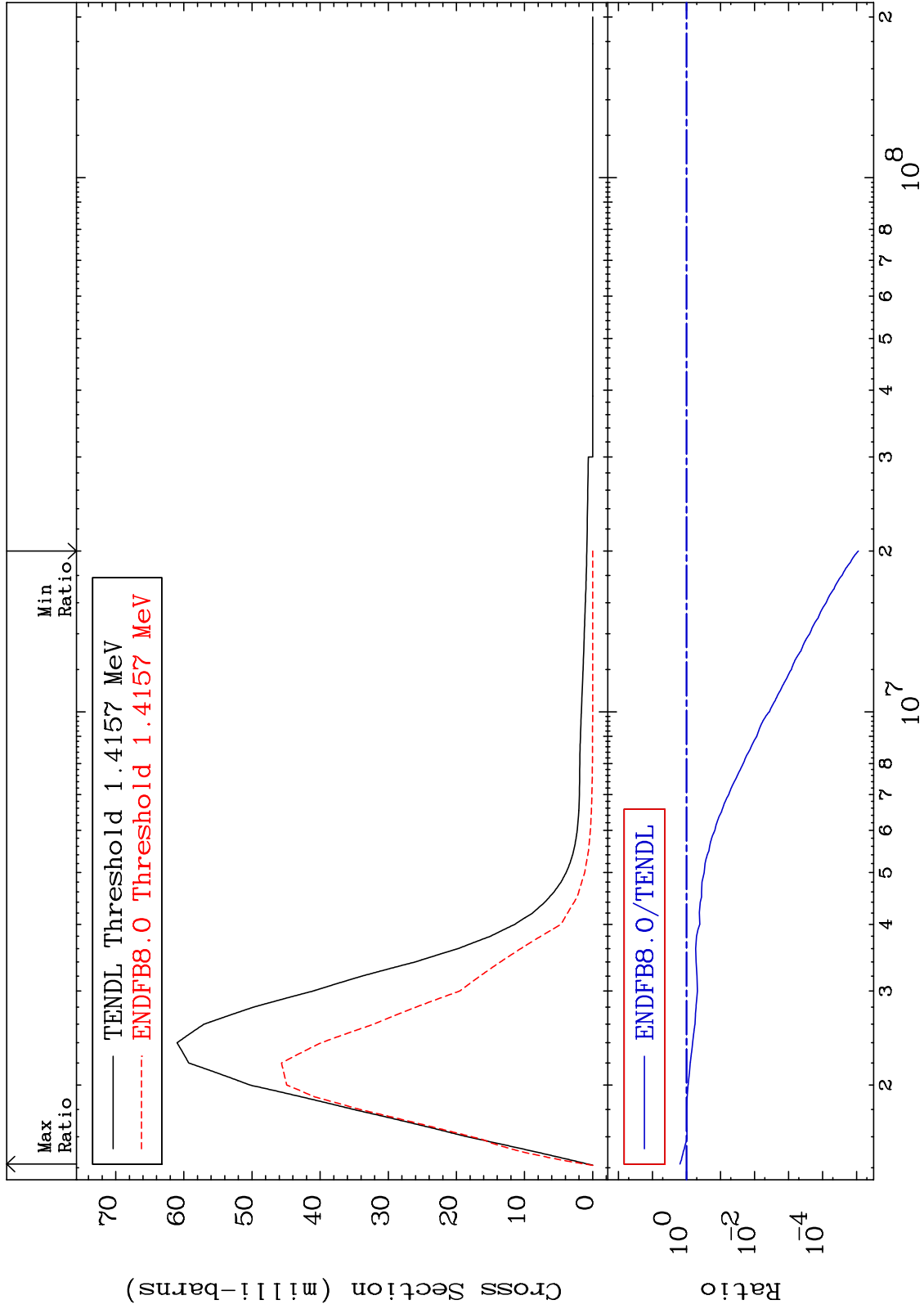
64-Gd-158
-100.0 To 262.3 %



MAT 6443

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

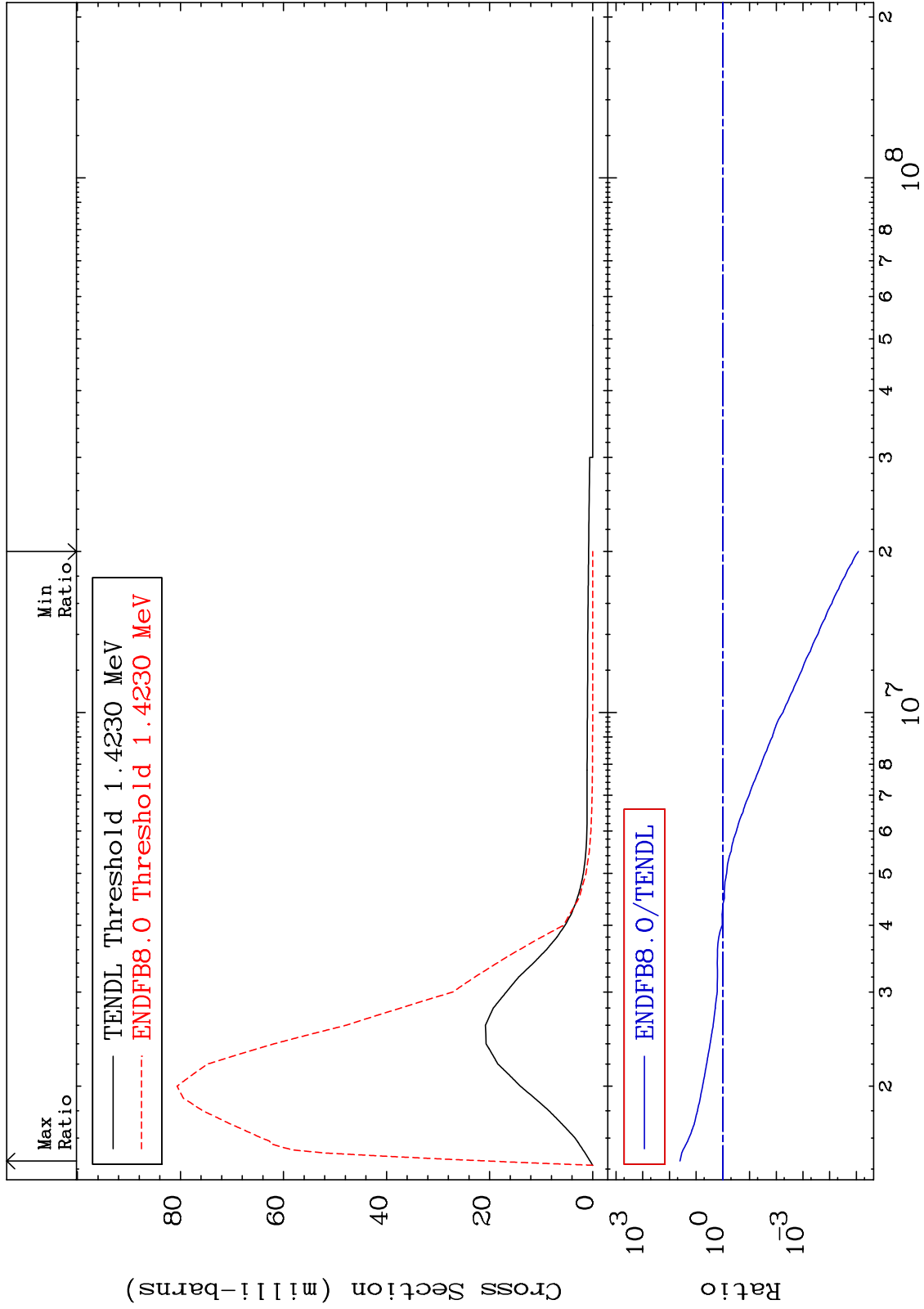
64-Gd-158
-100.0 To 54.13 %



MAT 6443

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

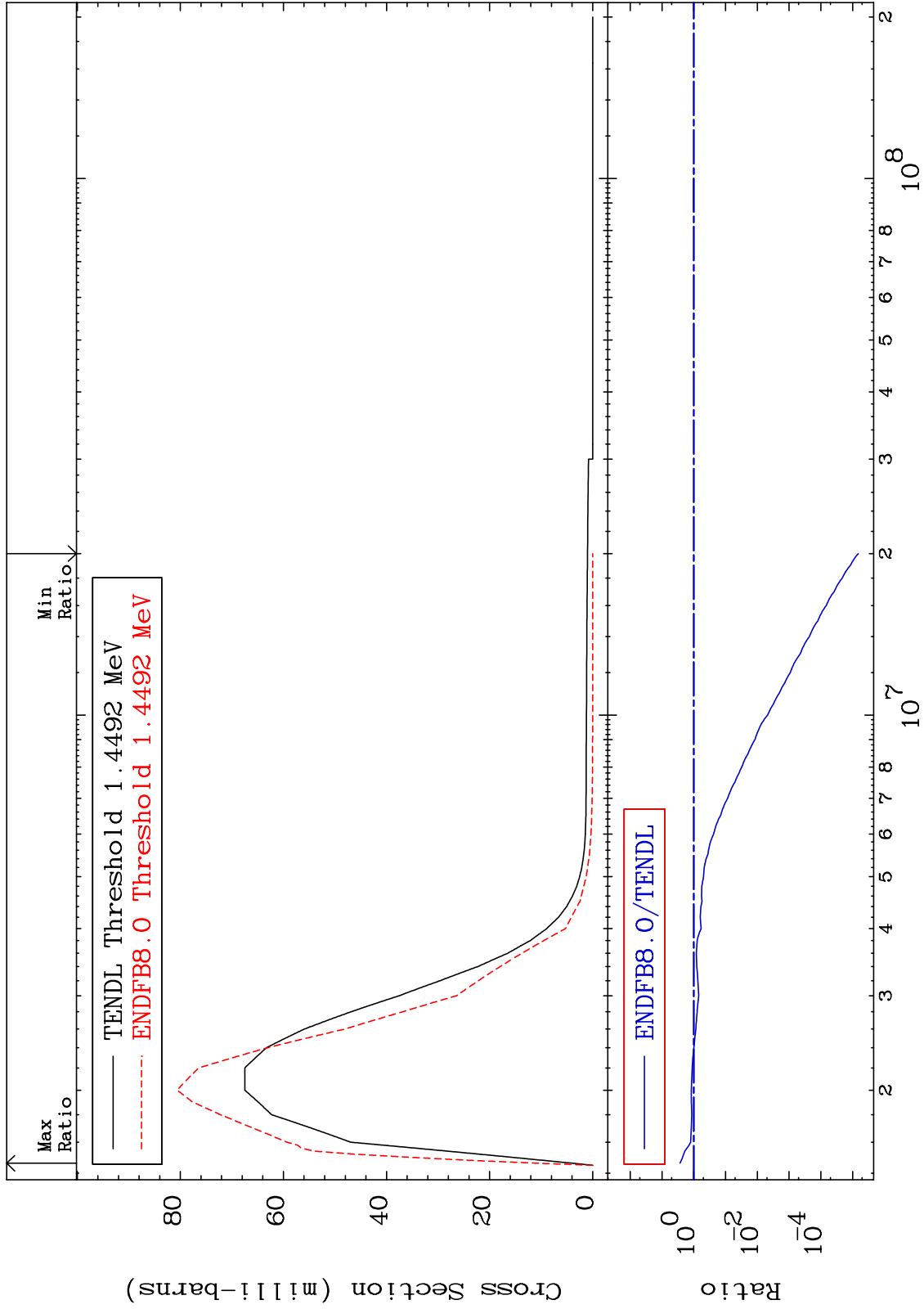
64-Gd-158
-100.0 To 3920. %



MAT 6443

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

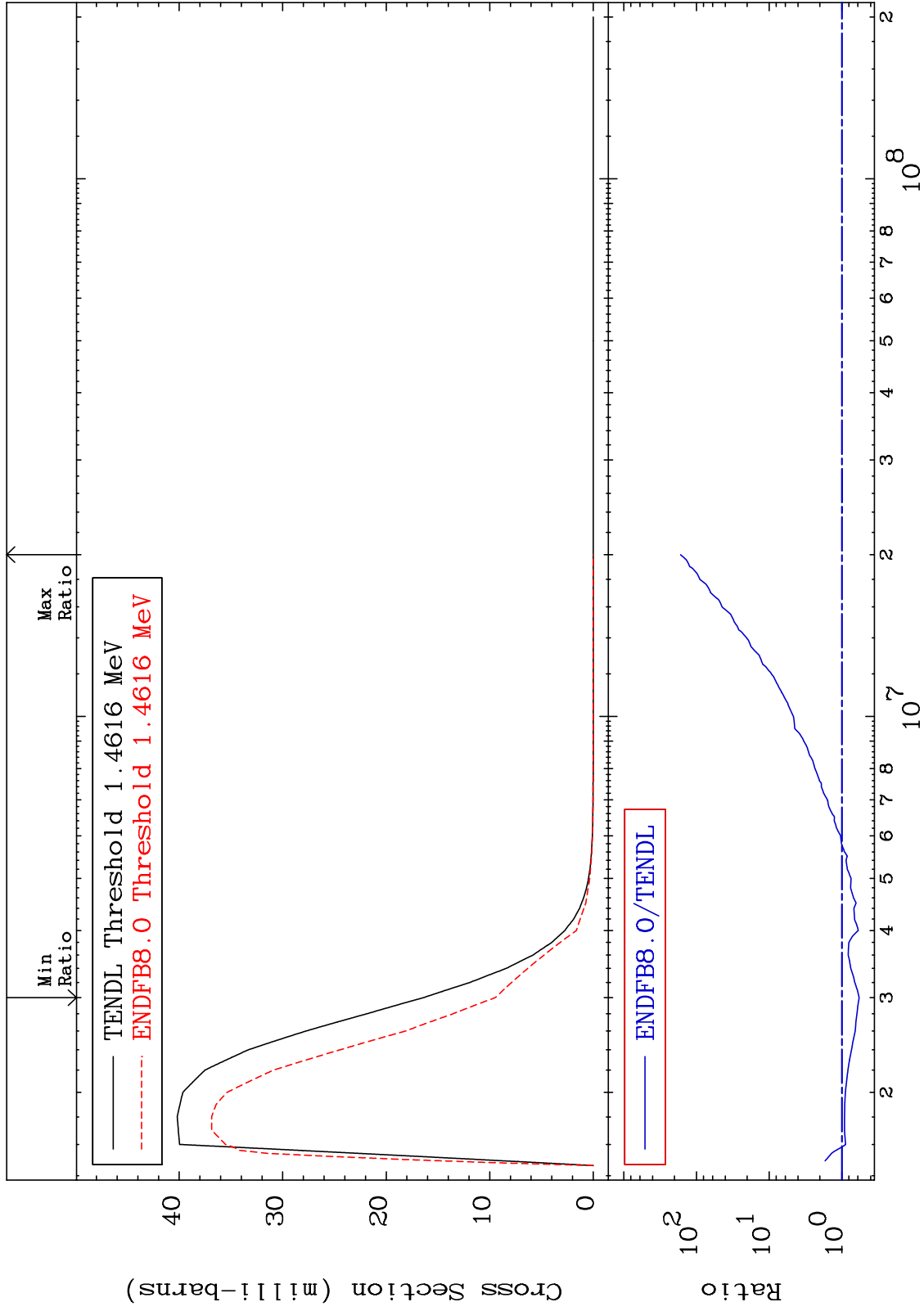
64-Gd-158
-100.0 To 171.6 %



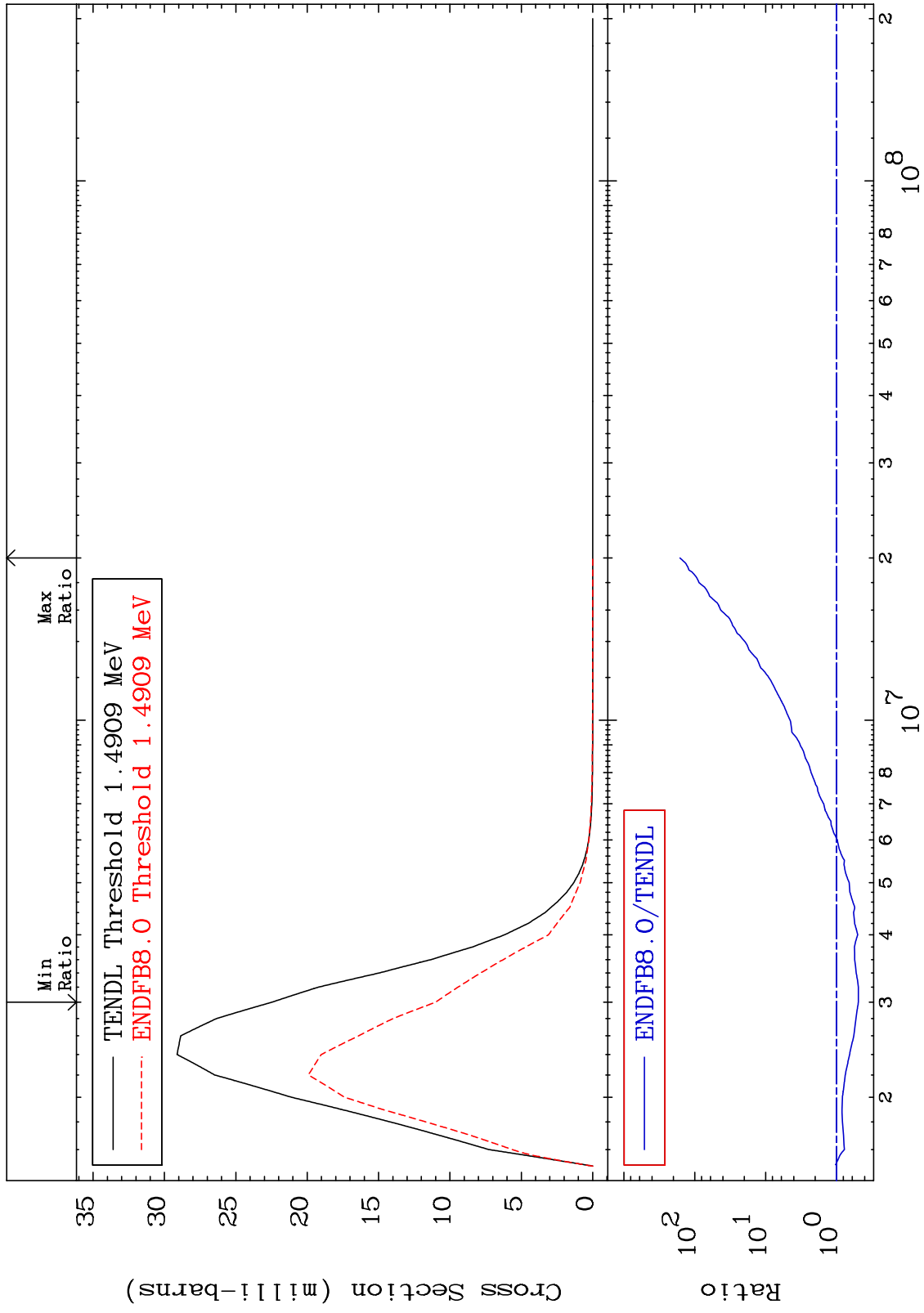
MAT 6443

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

64-Gd-158
-42.33 To 9999. %



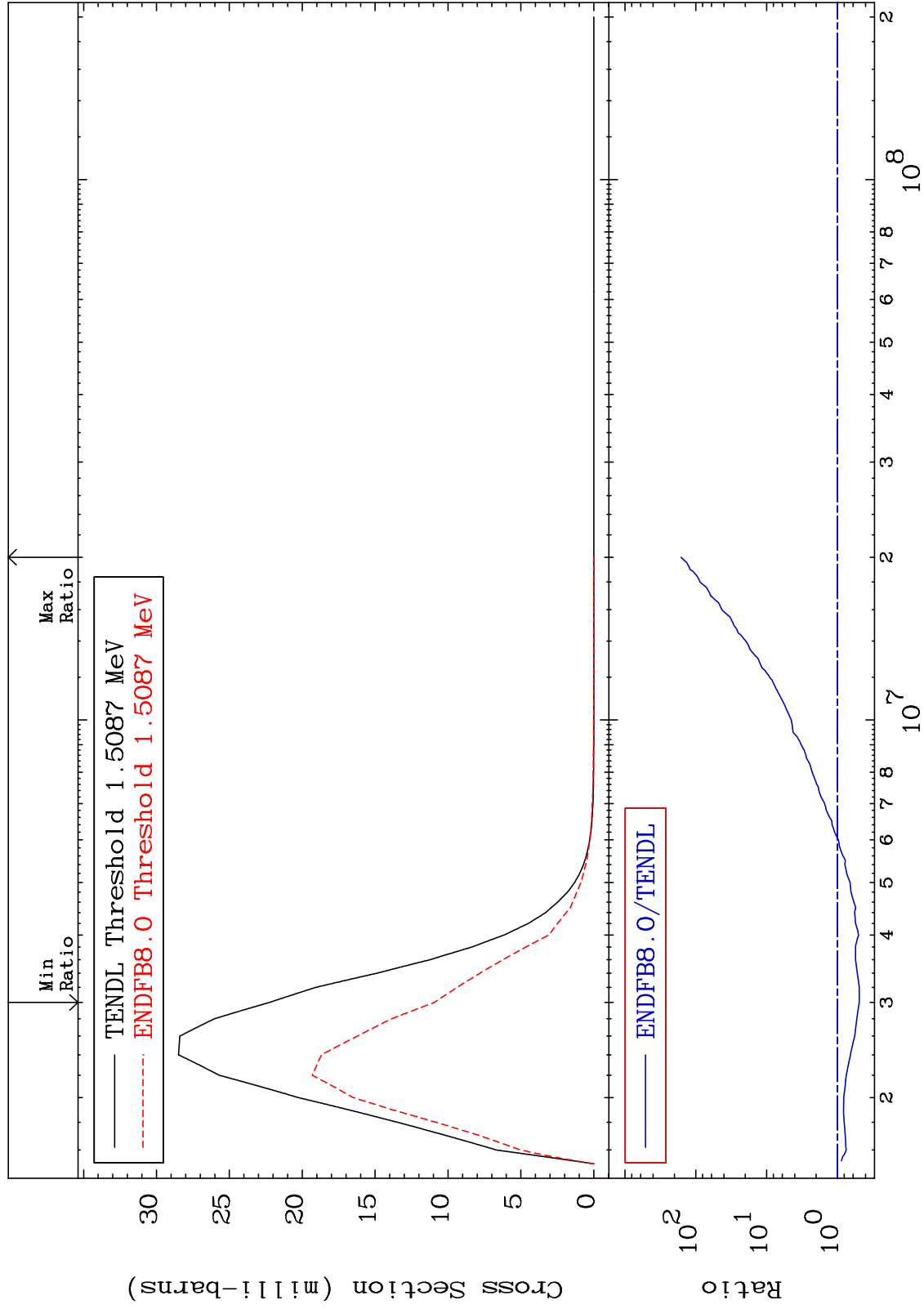
MAT 6443 MT= 75 (n,n') Level Cross Section 64-Gd-158 -51.00 To 9999. %



MAT 6443

MT= 76 (n,n') Level
Cross Section

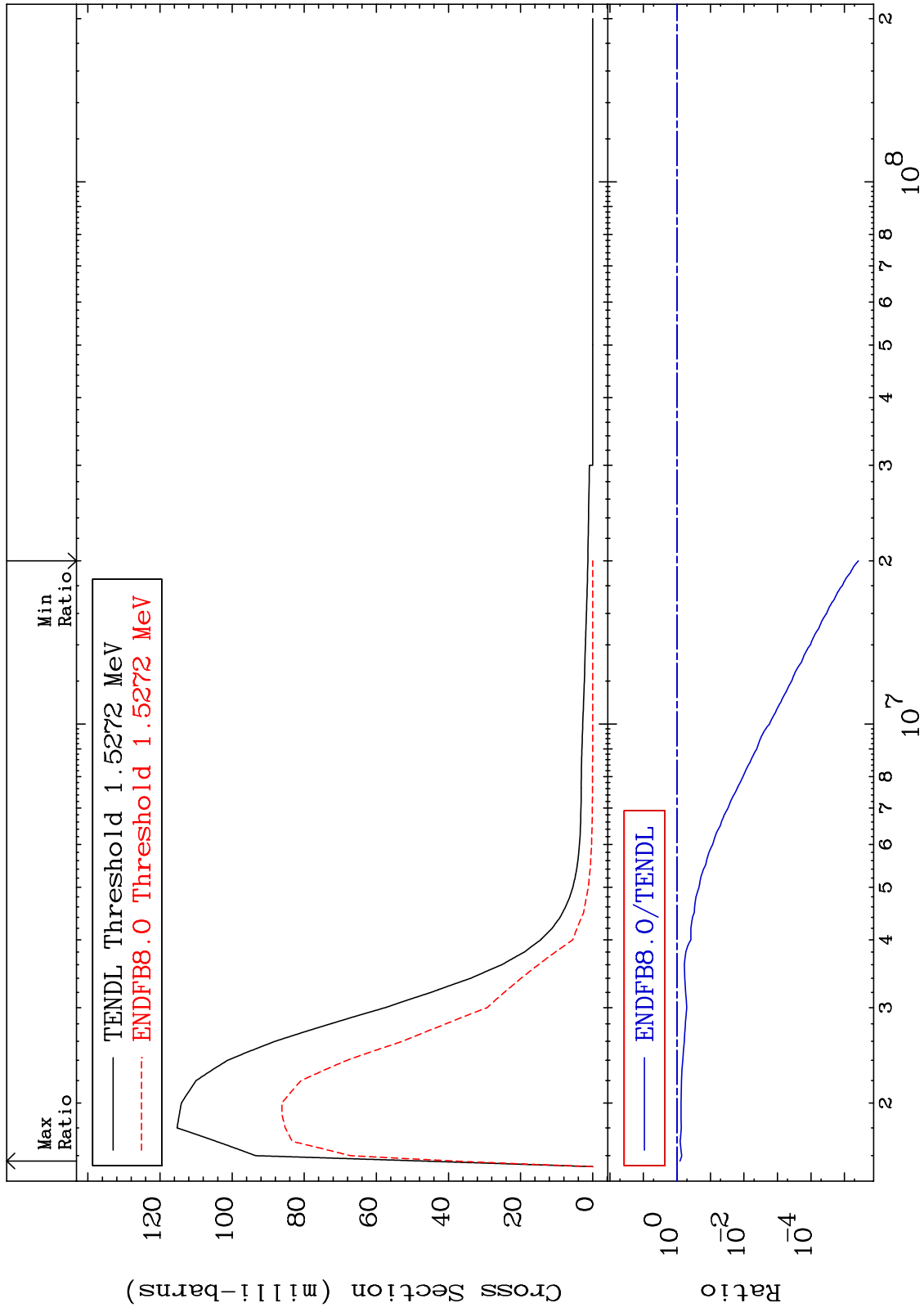
64-Gd-158
-50.84 To 9999. %



MAT 6443

MT= 77 (n,n') Level
Cross Section

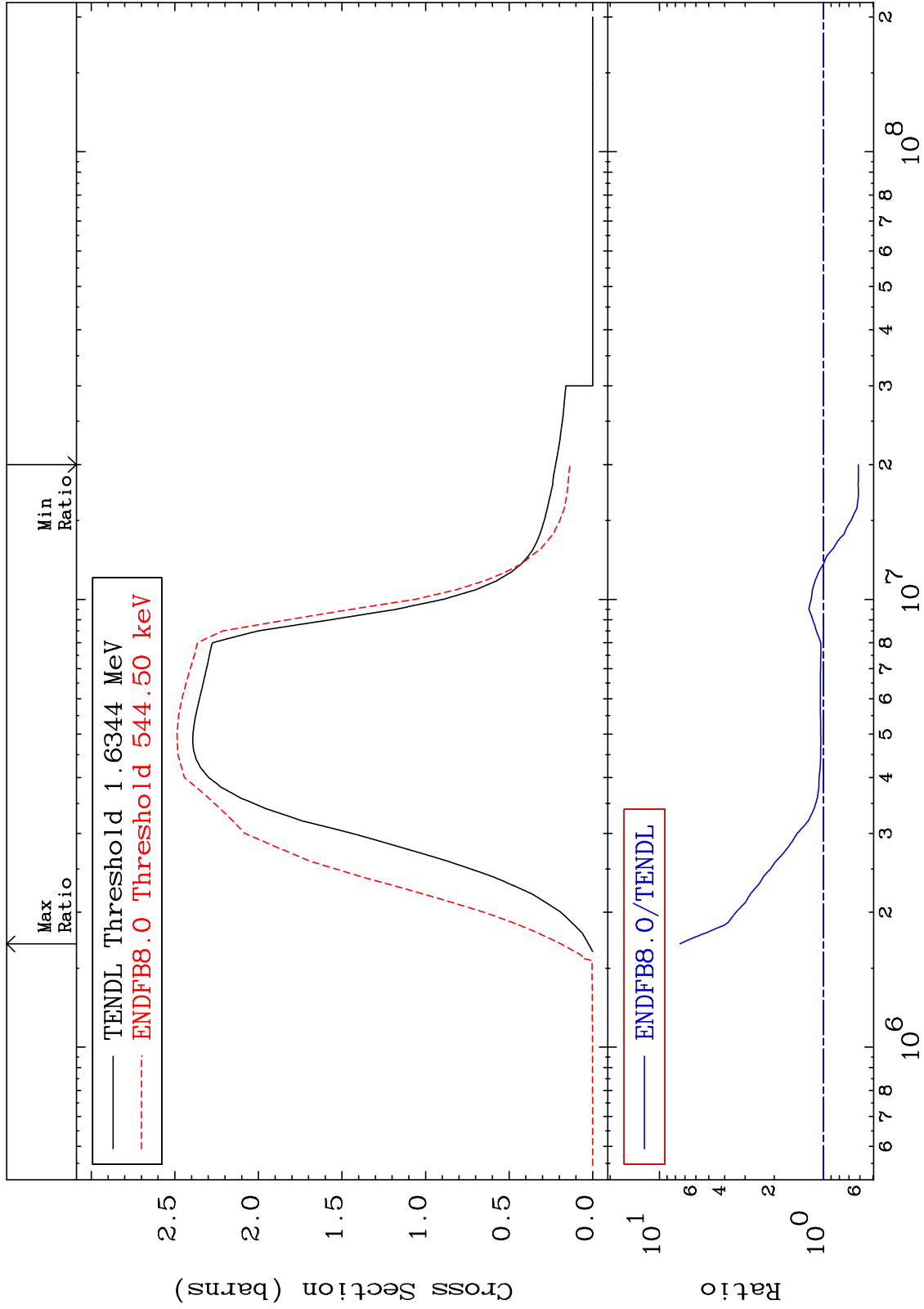
64-Gd-158
-100.0 To -19.17%



MAT 6443

(n, n') Continuum
Cross Section

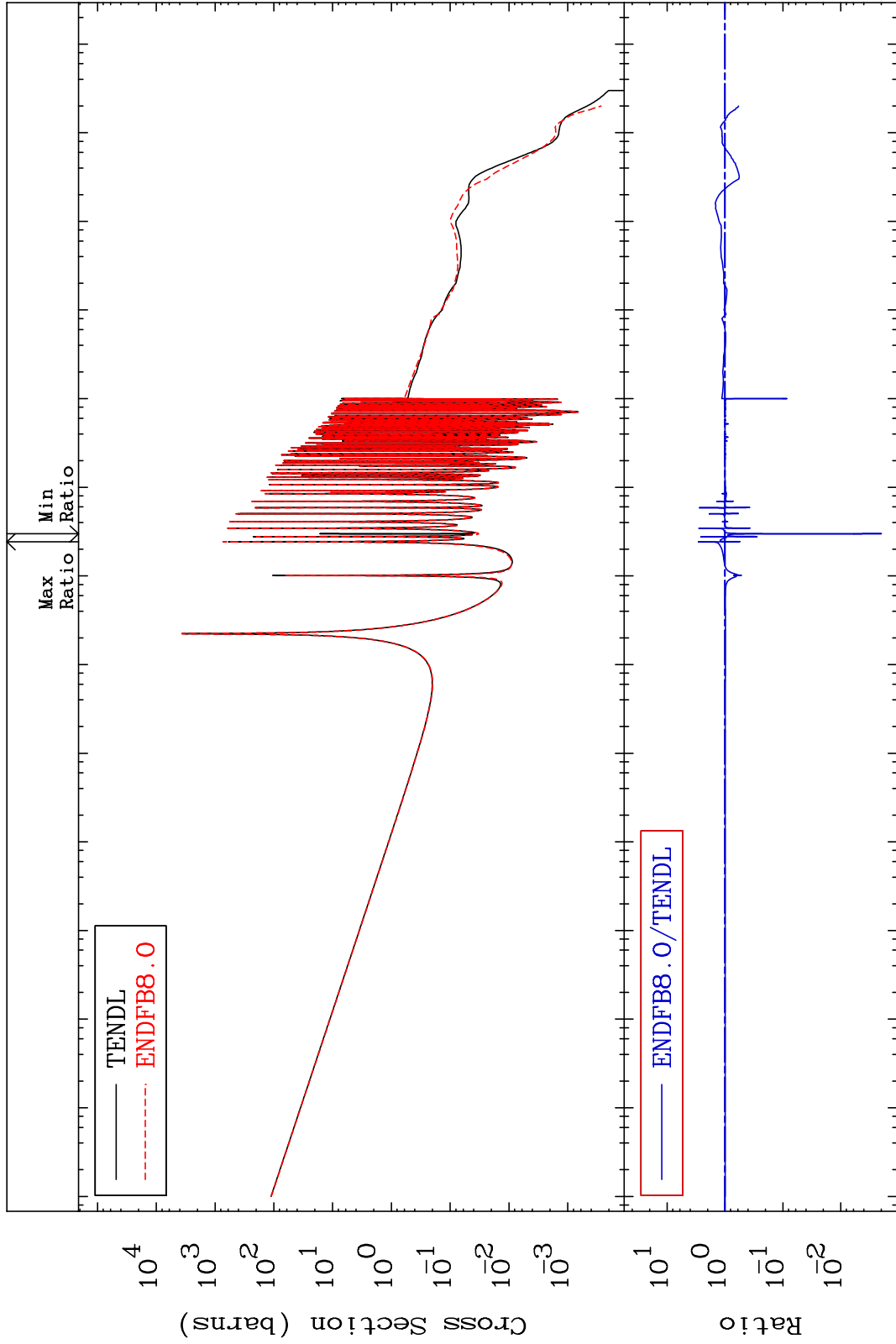
64-Gd-158
-38.73 To 649.4 %



MAT 6443

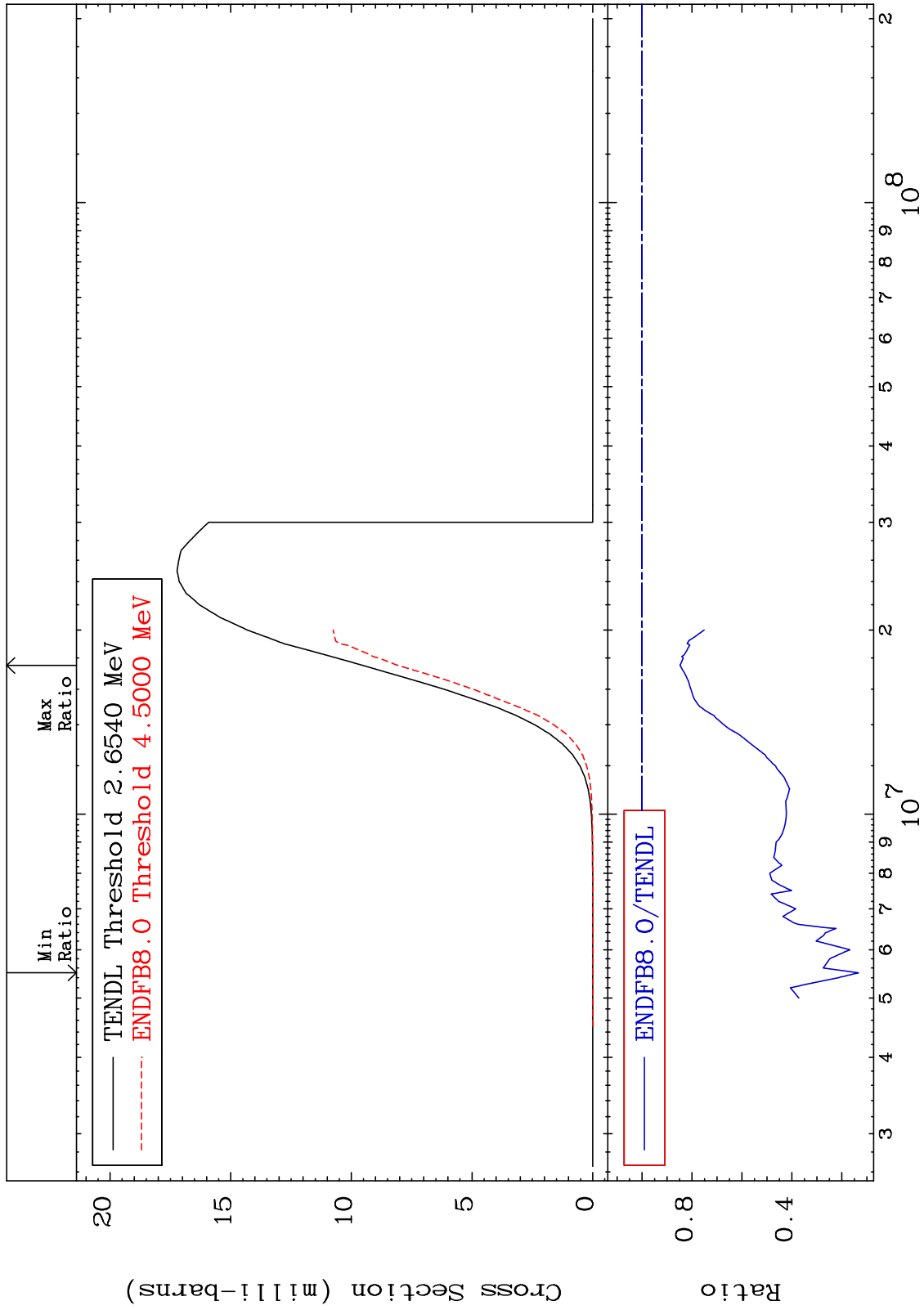
(n, γ)
Cross Section

64-Gd-158
-99.80 To 189.0 %



MAT 6443

(n, p) Cross Section
64-Gd-158
-86.62 To -15.20%



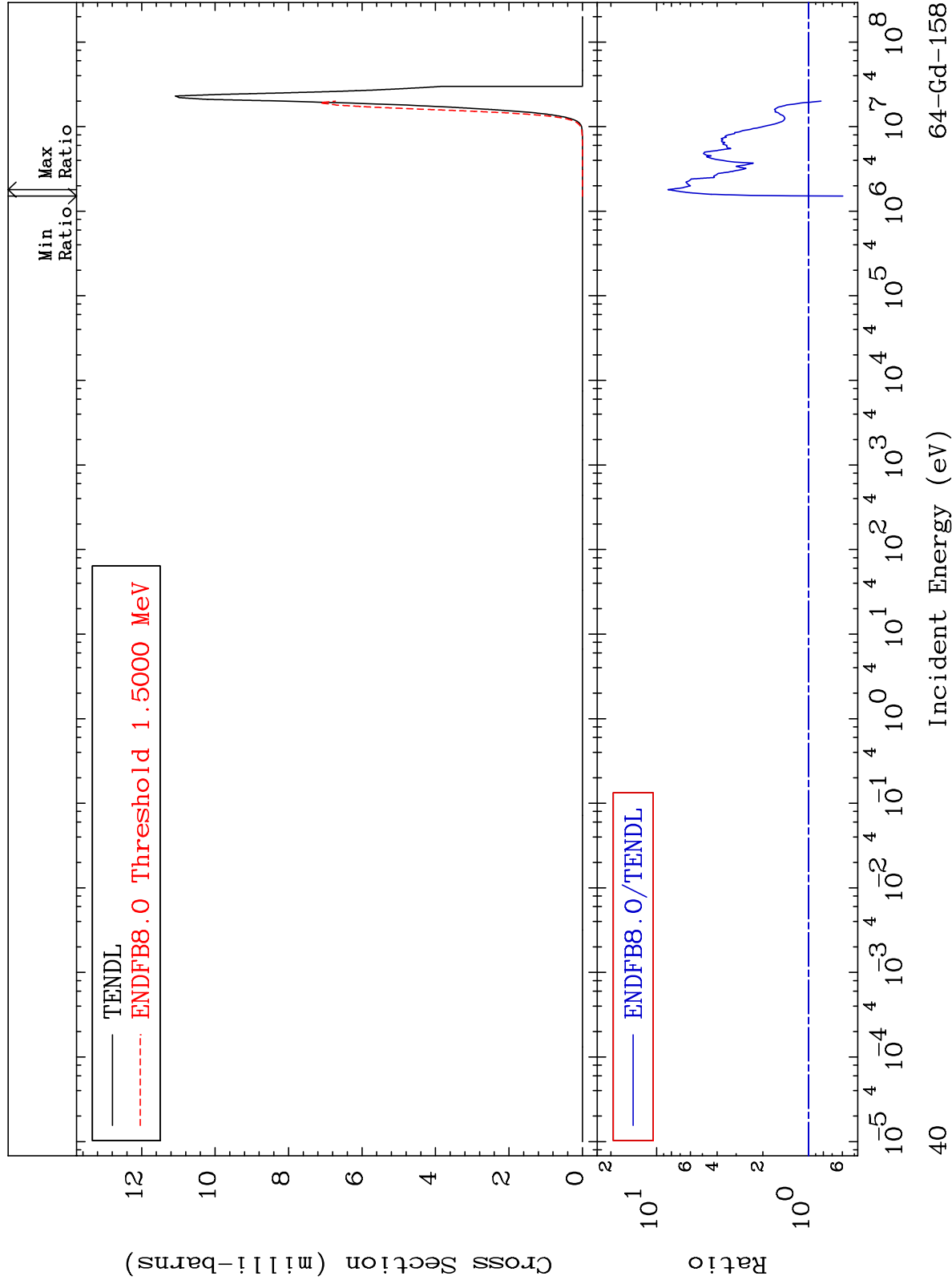
MAT 6443

(n, α)

64-Gd-158

Cross Section

-40.41 To 741.7 %



40

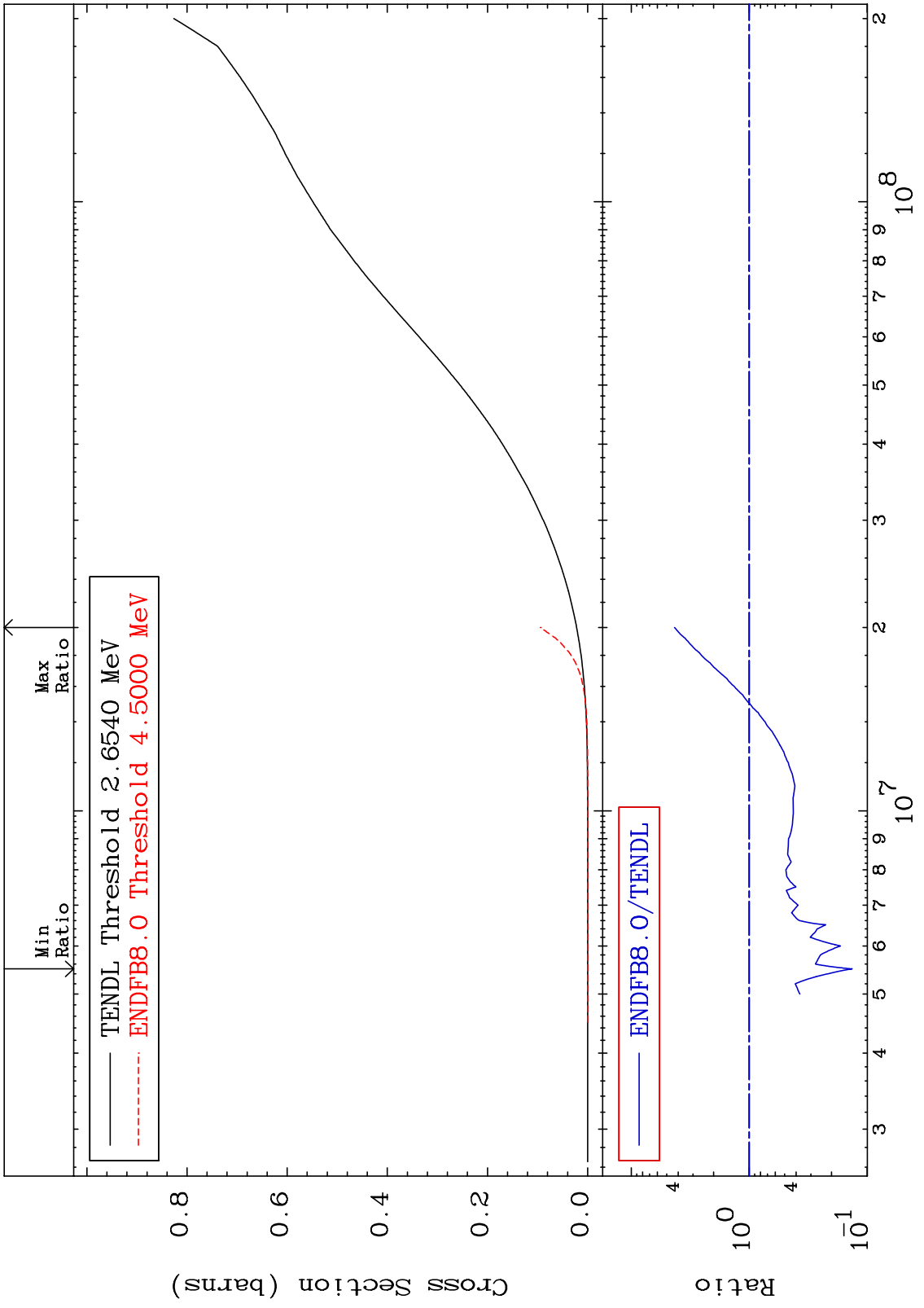
Incident Energy (eV)

64-Gd-158

MAT 6443

Hydrogen Production
Cross Section

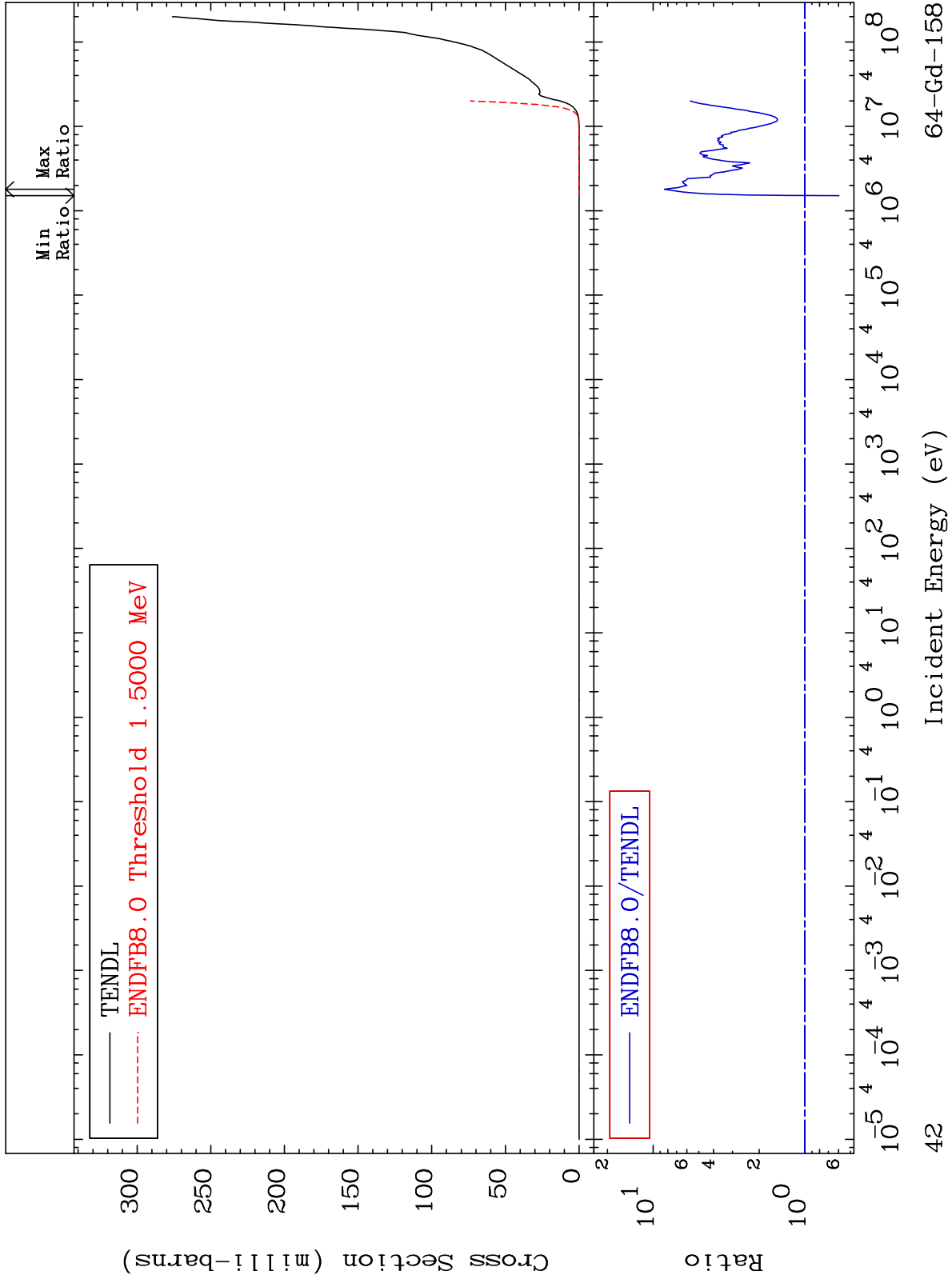
64-Gd-158
-86.62 To 329.1 %



MAT 6443

He-4 Production
Cross Section

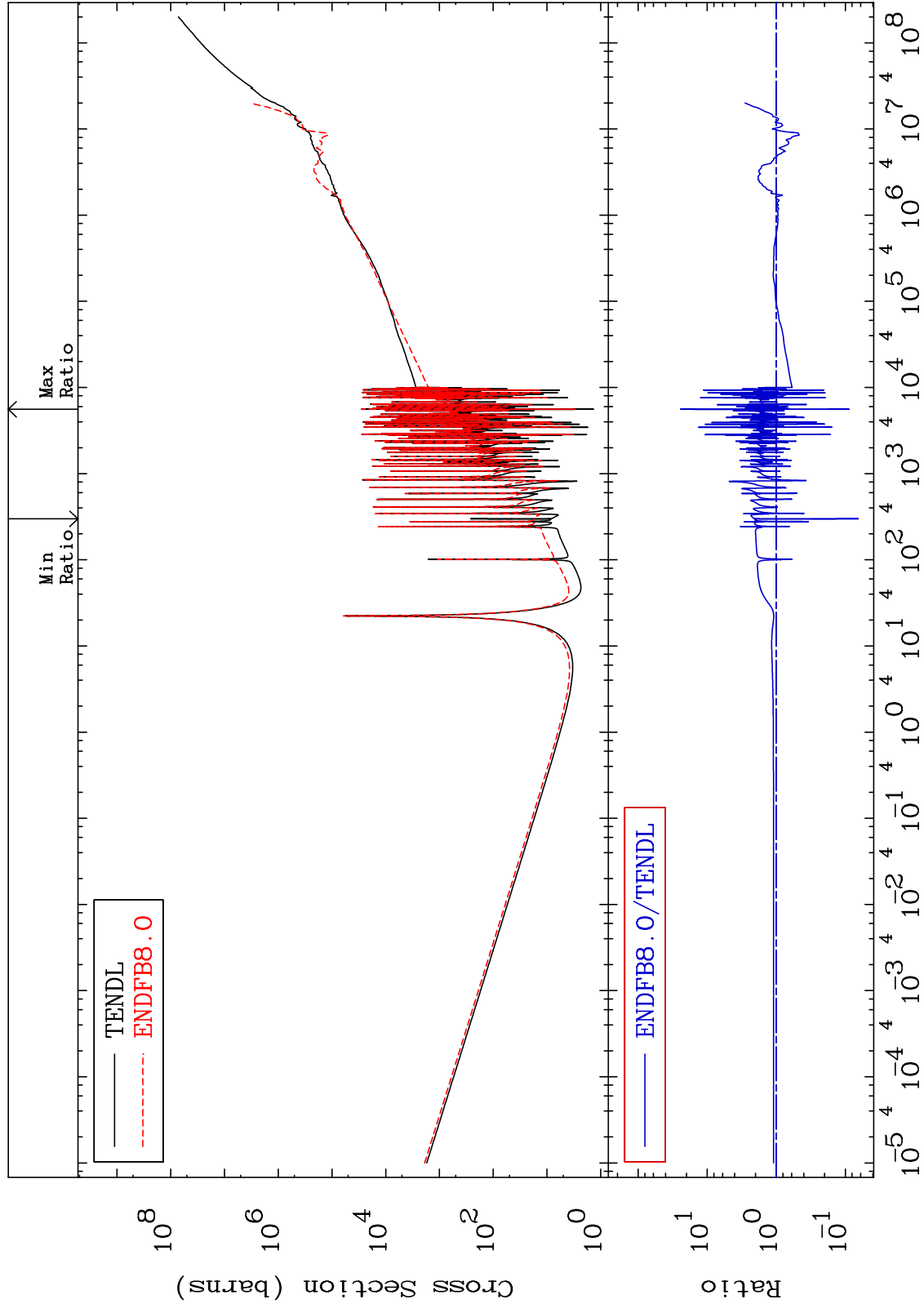
64-Gd-158
-40.41 To 741.7 %



MAT 6443

Kerma total (eV-barns)
Cross Section

64-Gd-158
-93.56 To 2340. %



43

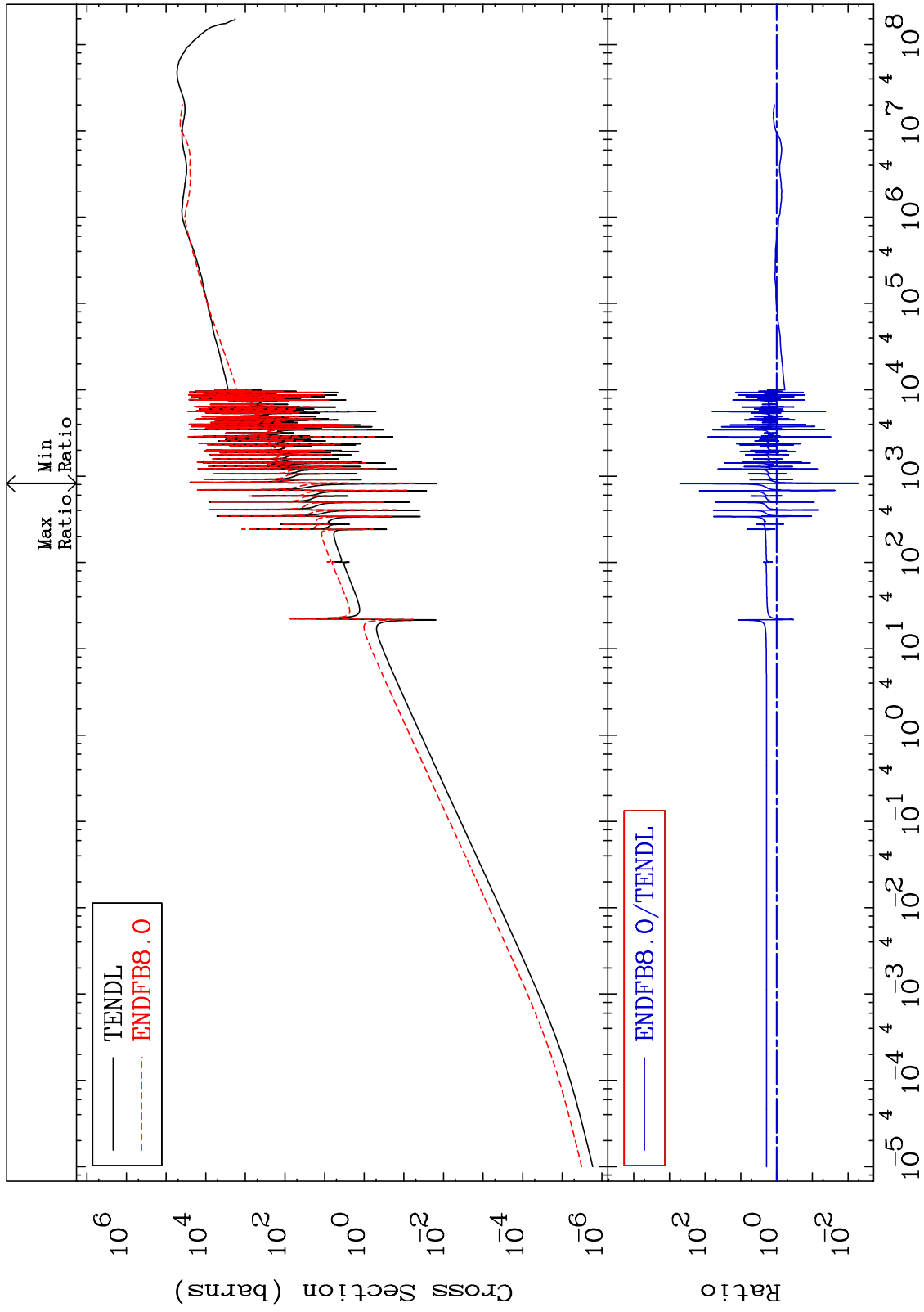
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma elastic
Cross Section

64-Gd-158
-99.49 To 9999. %



44

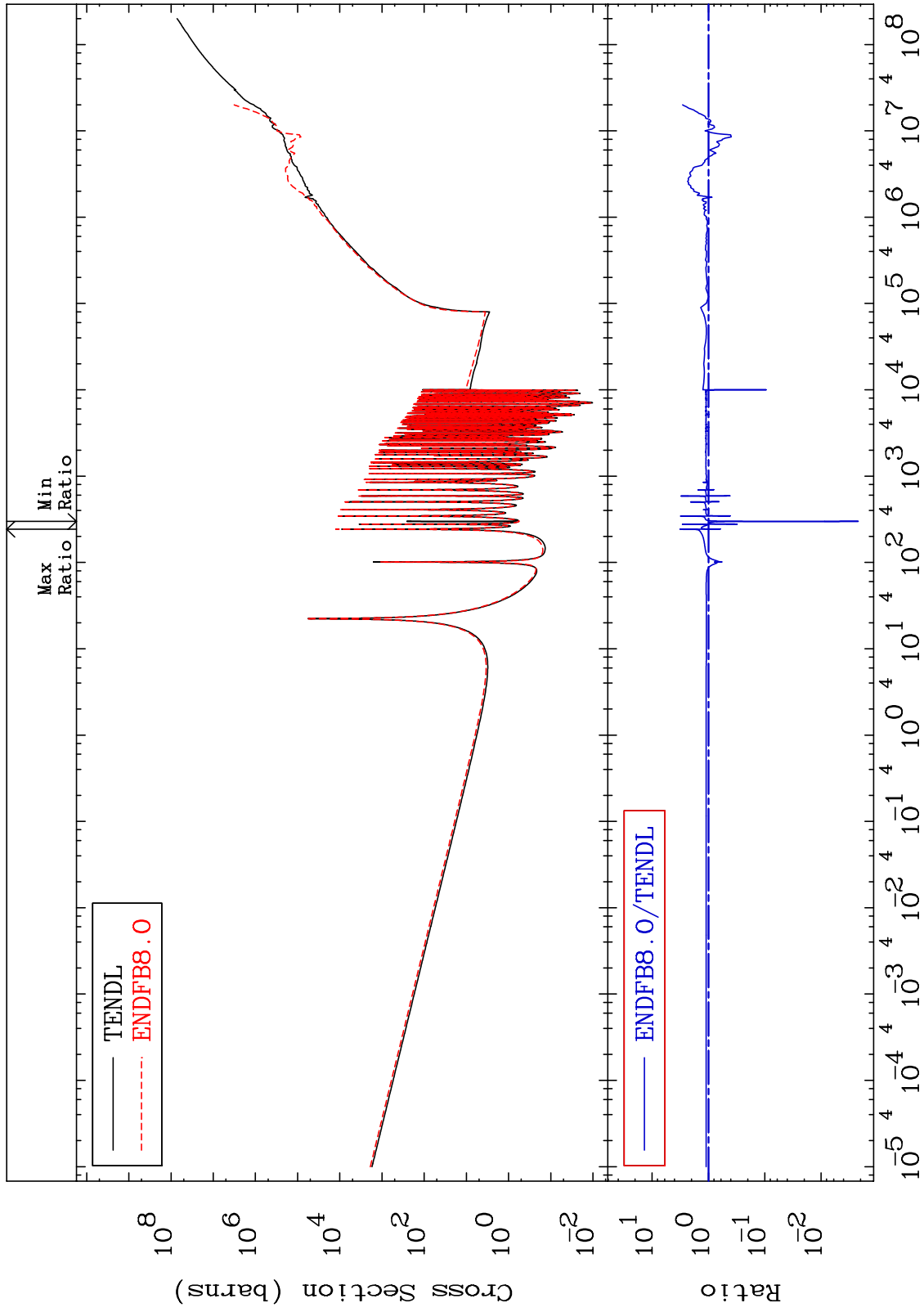
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-158
-99.78 To 219.2 %



45

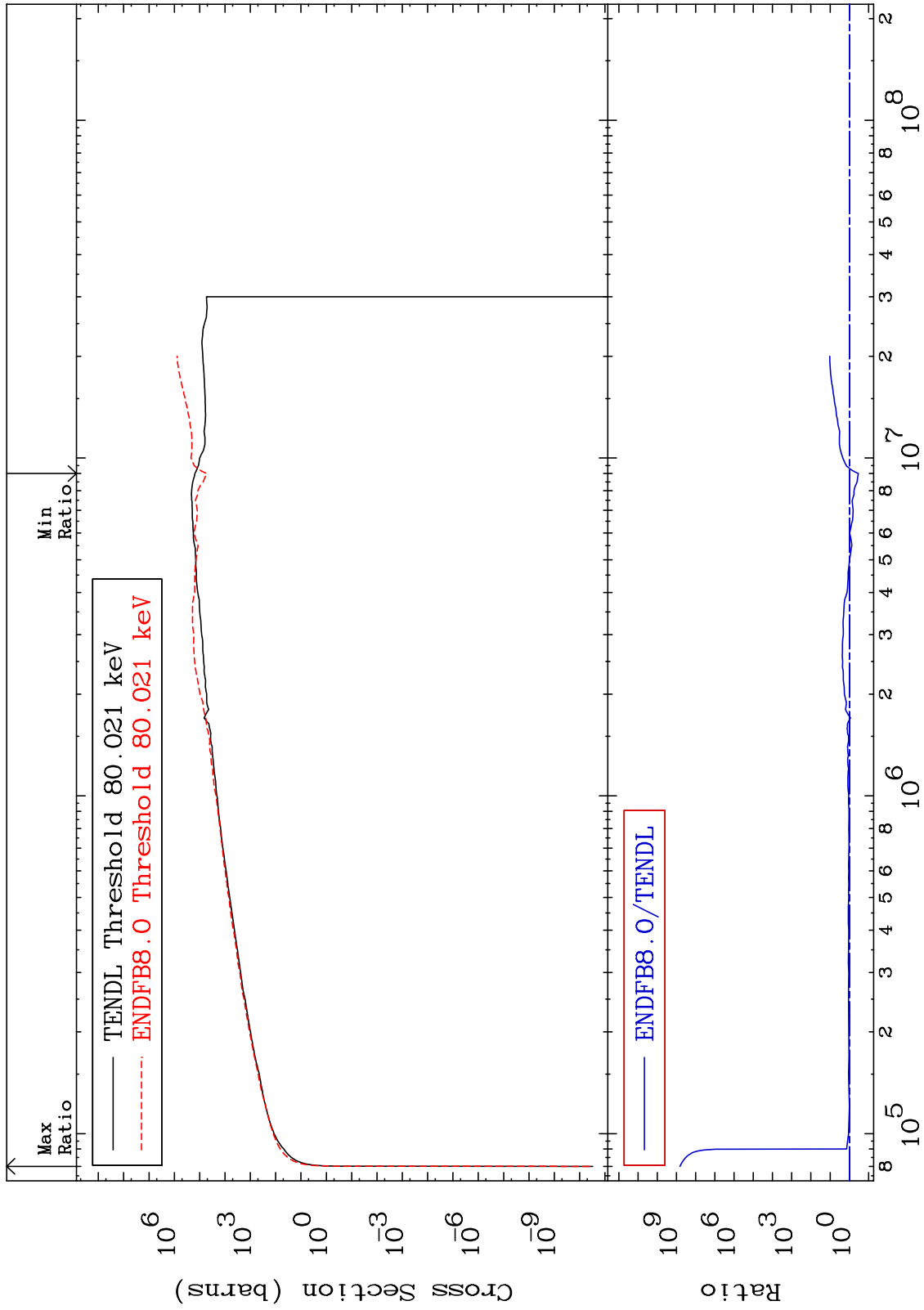
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma inelastic (mt51-91)
Cross Section

64-Gd-158
-66.32 To 9999. %



46

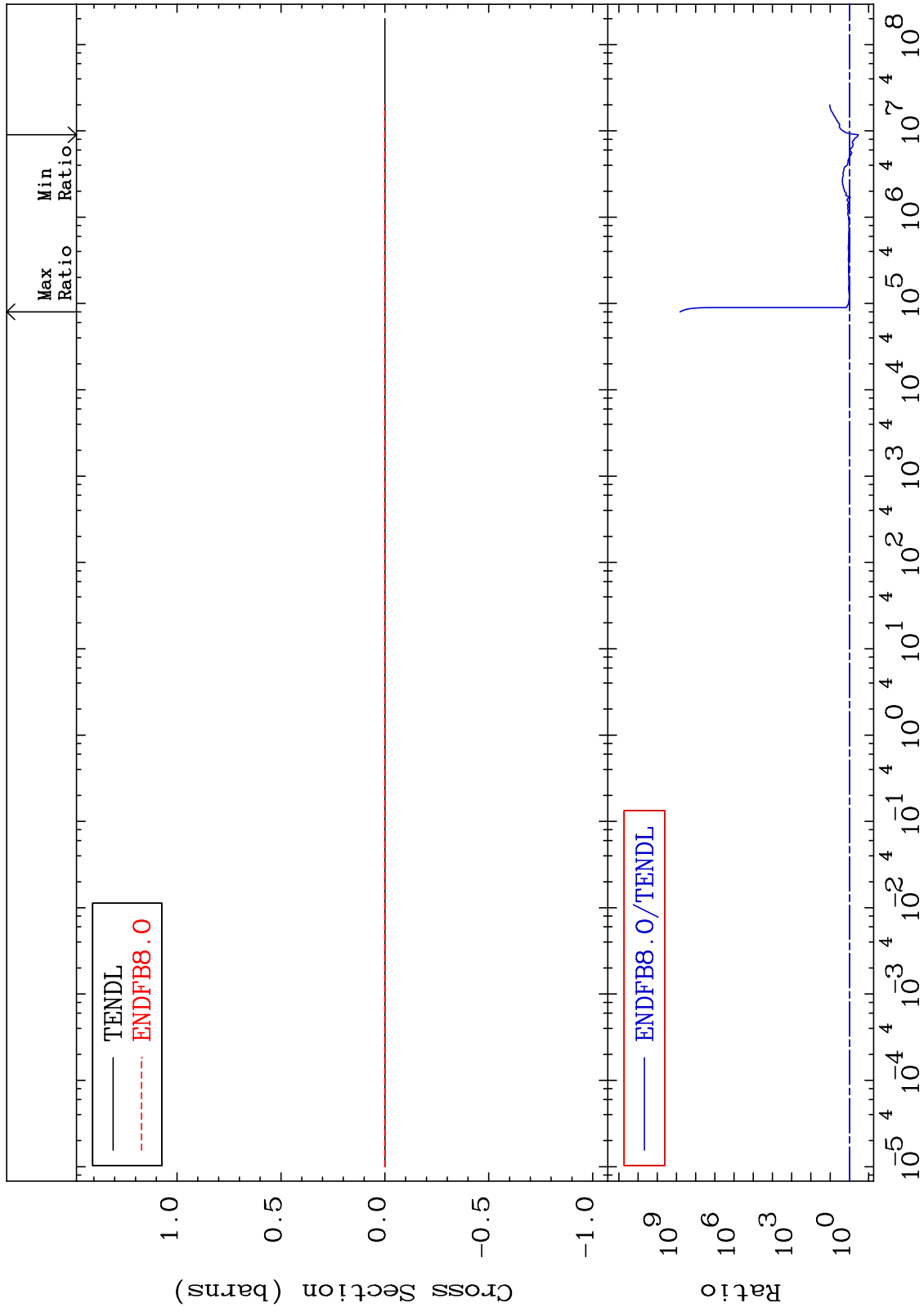
Incident Energy (eV)

64-Gd-158

MAT 6443

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

64-Gd-158
-66.32 To 9999. %



47

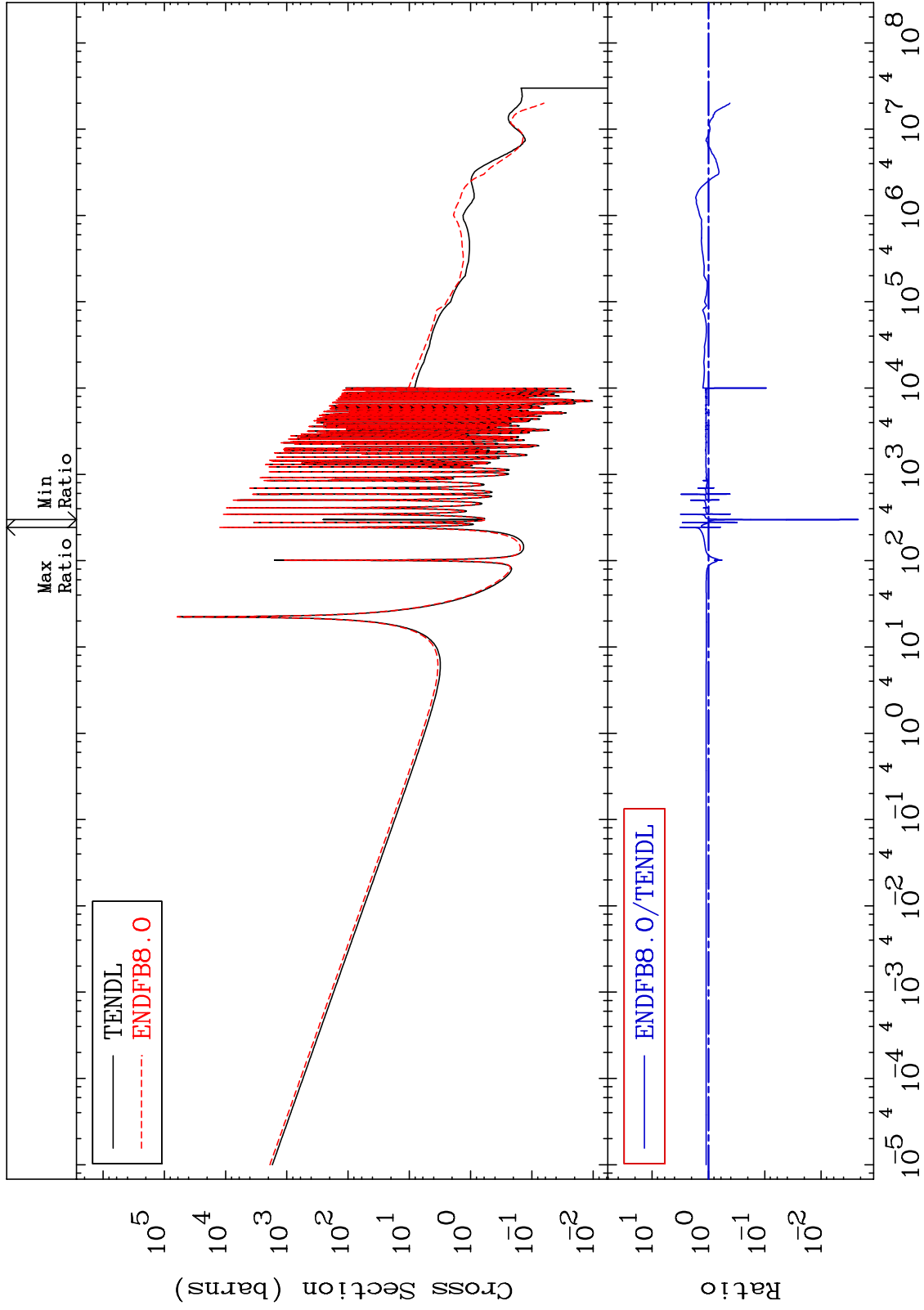
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma capture (mt102)
Cross Section

64-Gd-158
-99.78 To 219.2 %



48

Incident Energy (eV)

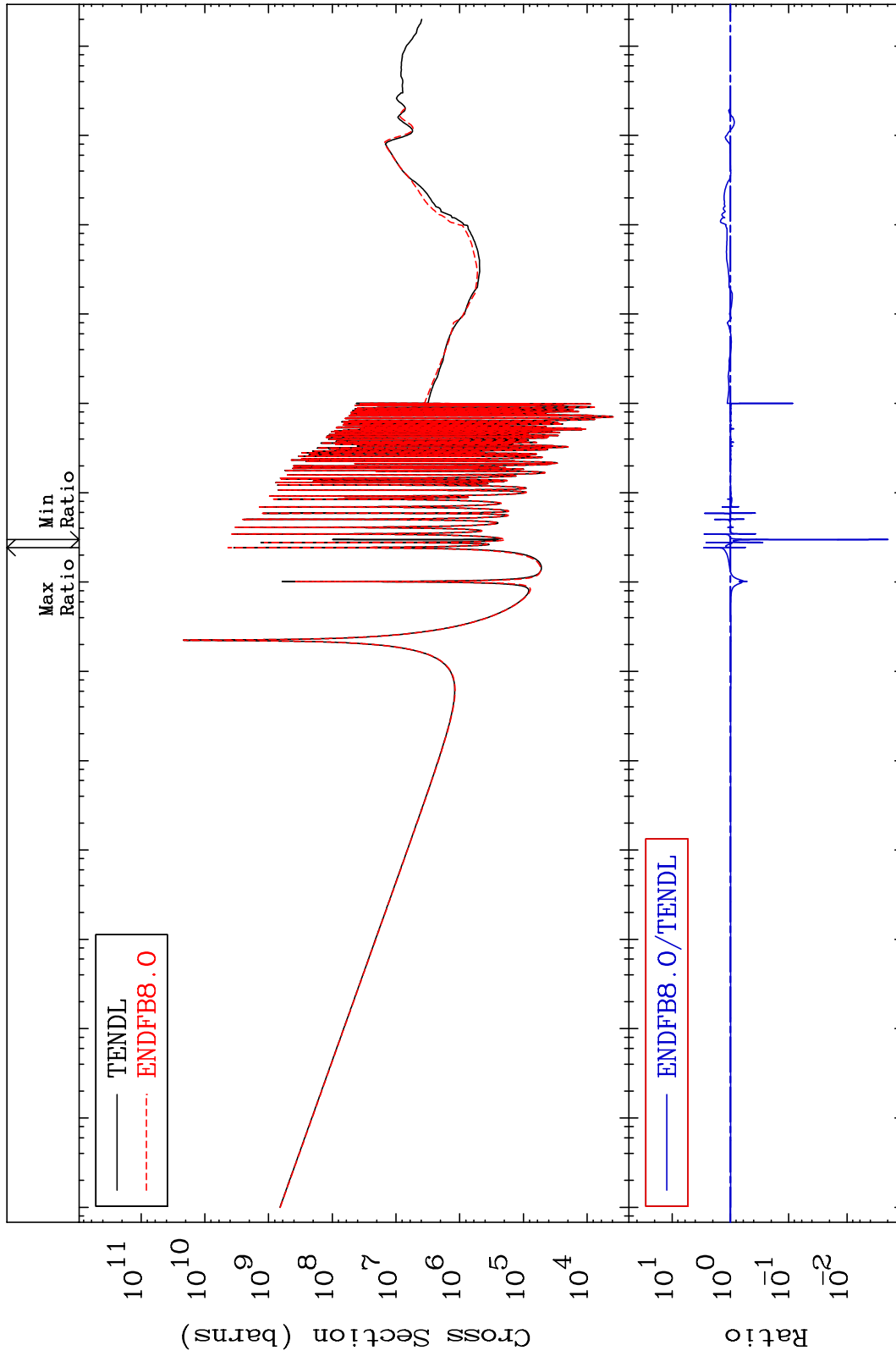
64-Gd-158

MAT 6443

Total photon (eV-barns)
Cross Section

64-Gd-158

-99.80 To 188.1 %



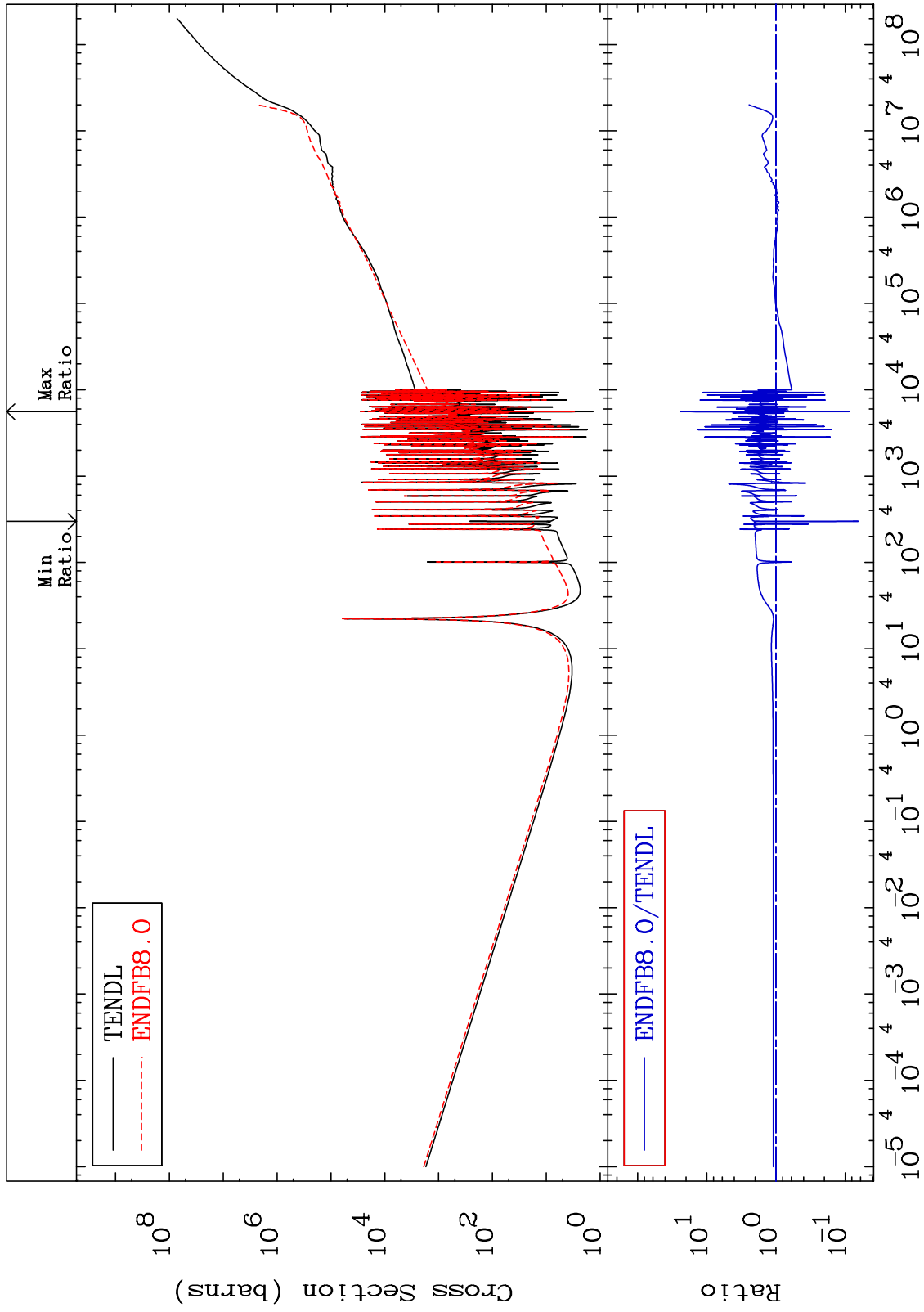
Incident Energy (eV)

64-Gd-158

MAT 6443

Total kinematic kerma (high limit)
Cross Section

64-Gd-158
-93.56 To 2340. %



50

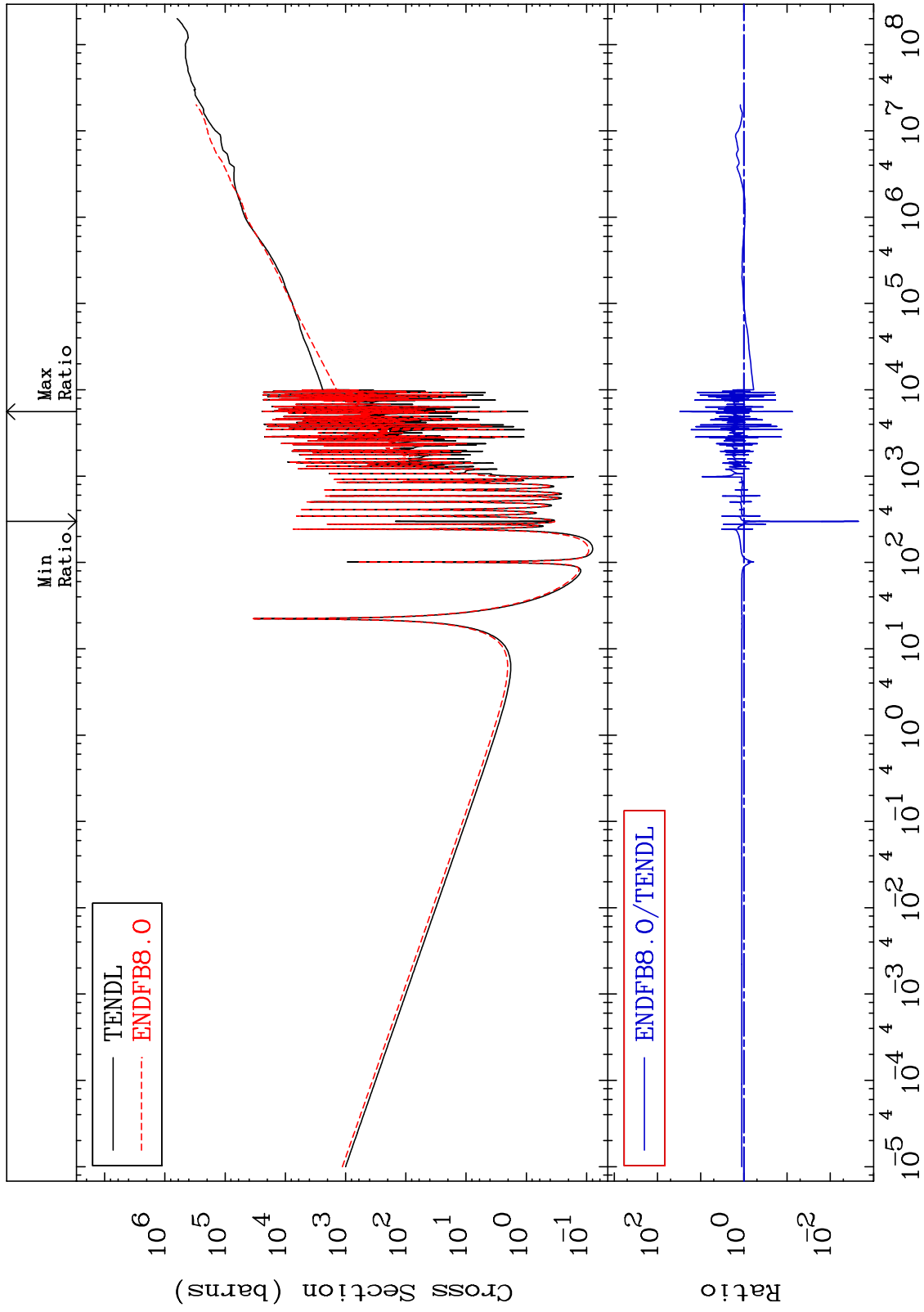
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa total (eV-barns)
Cross Section

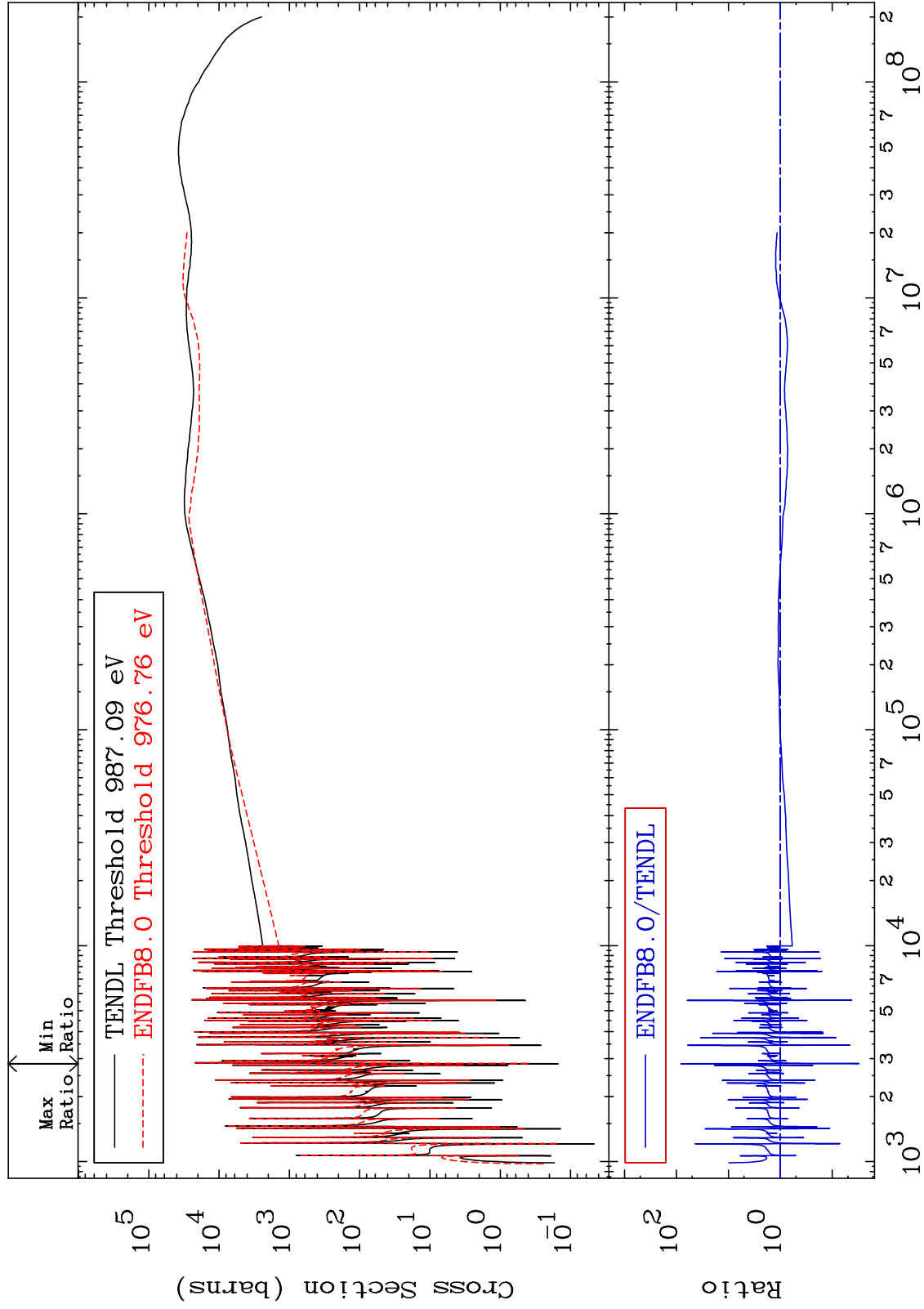
64-Gd-158
-99.78 To 2905. %



MAT 6443

Dpa elastic (mt2)
Cross Section

64-Gd-158
-96.98 To 8059. %



52

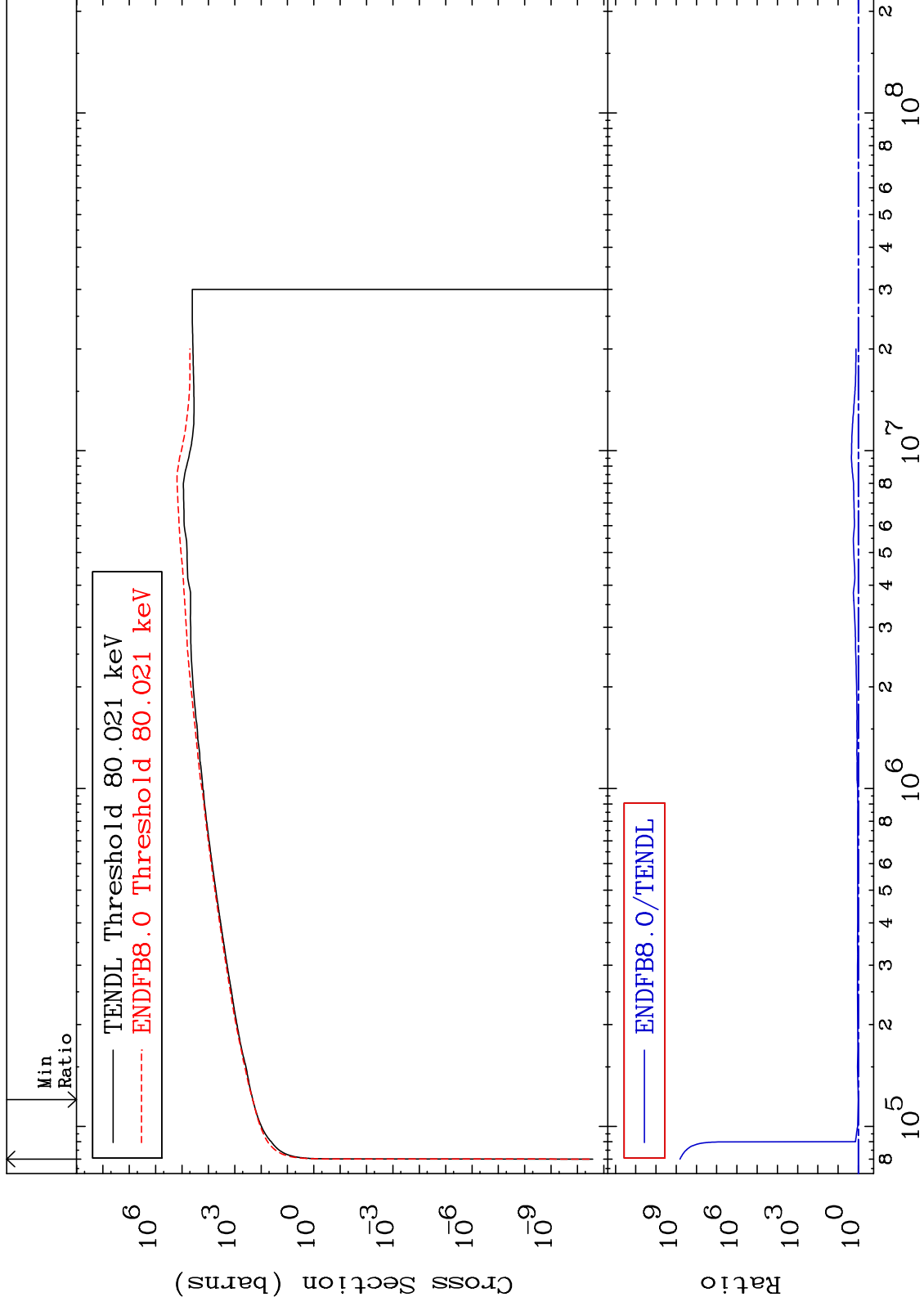
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)
Cross Section

64-Gd-158
-0.749 To 9999. %



53

Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-158
-99.78 To 227.8 %

