

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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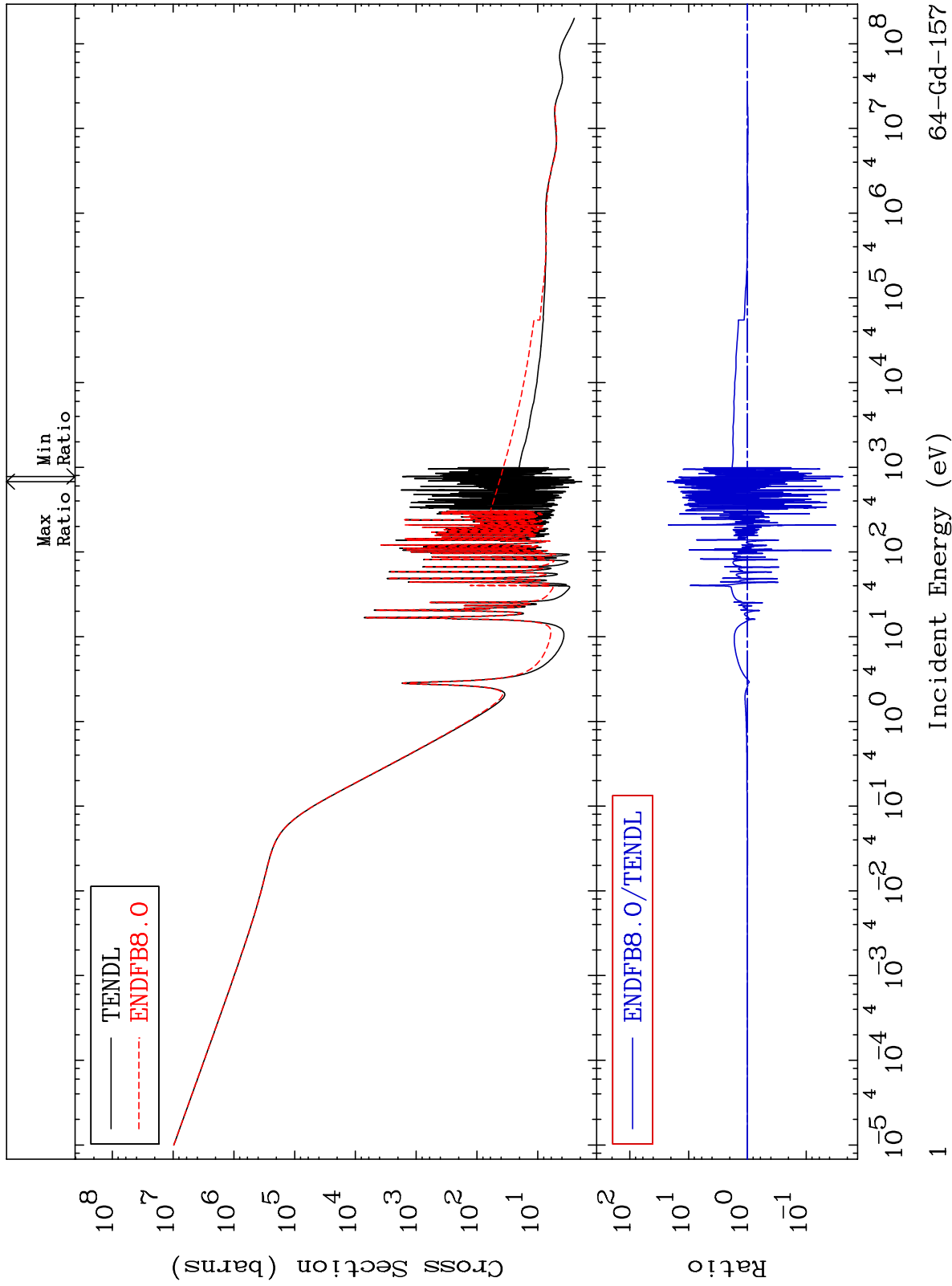
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6440 Total Cross Section 64-Gd-157
-97.60 To 2179. %



64-Gd-157

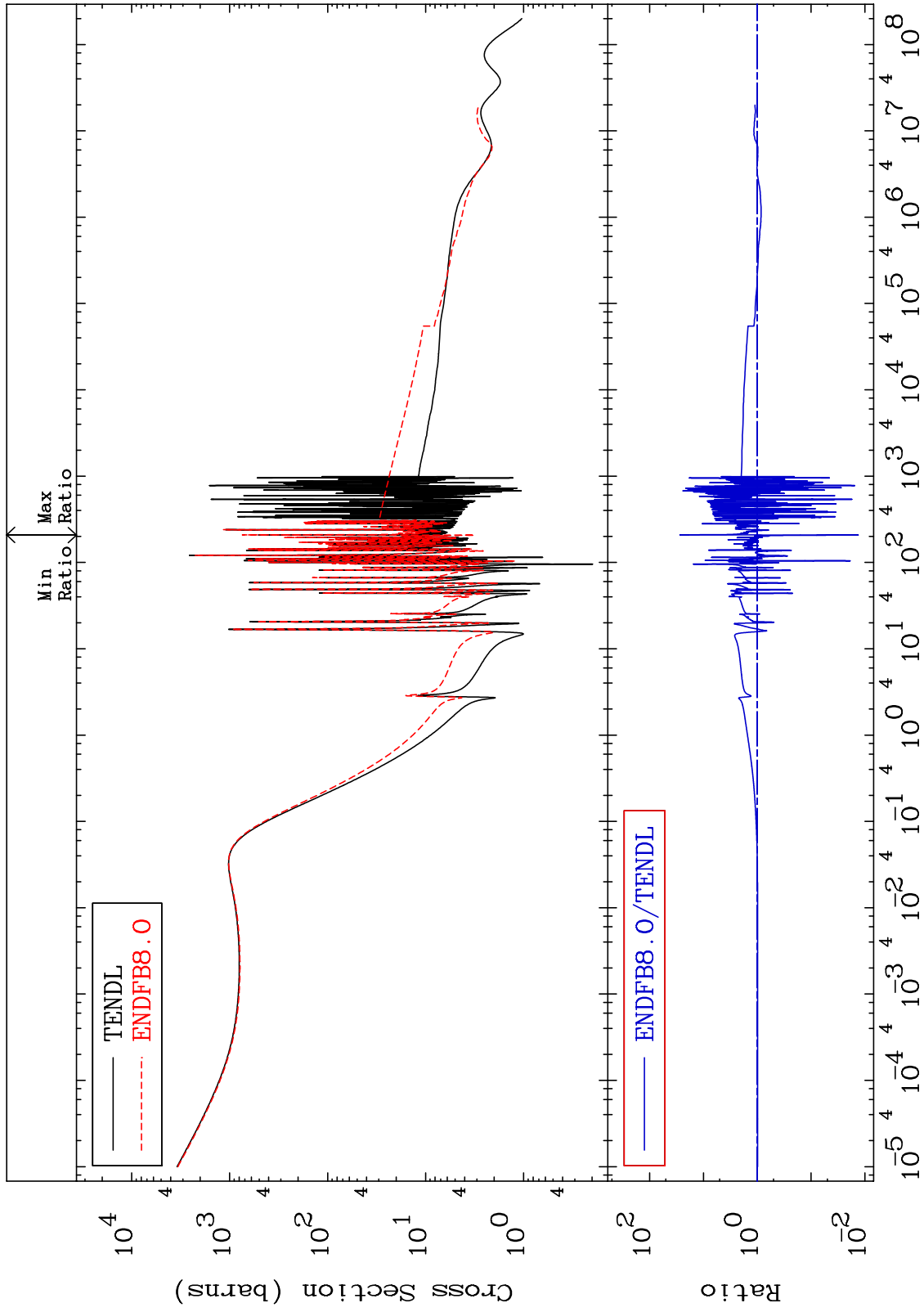
MAT 6440

Elastic

64-Gd-157

Cross Section

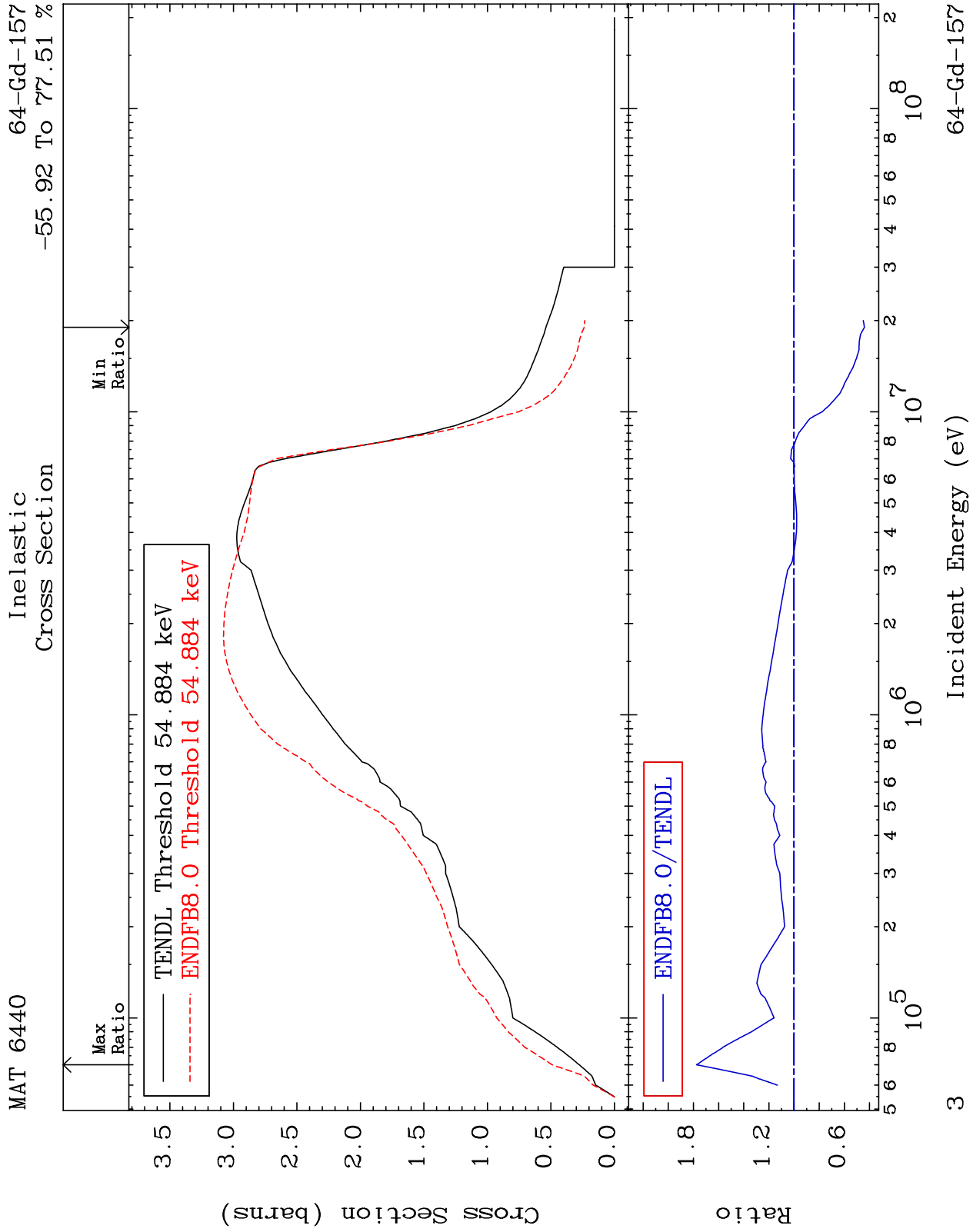
-98.68 To 2624. %

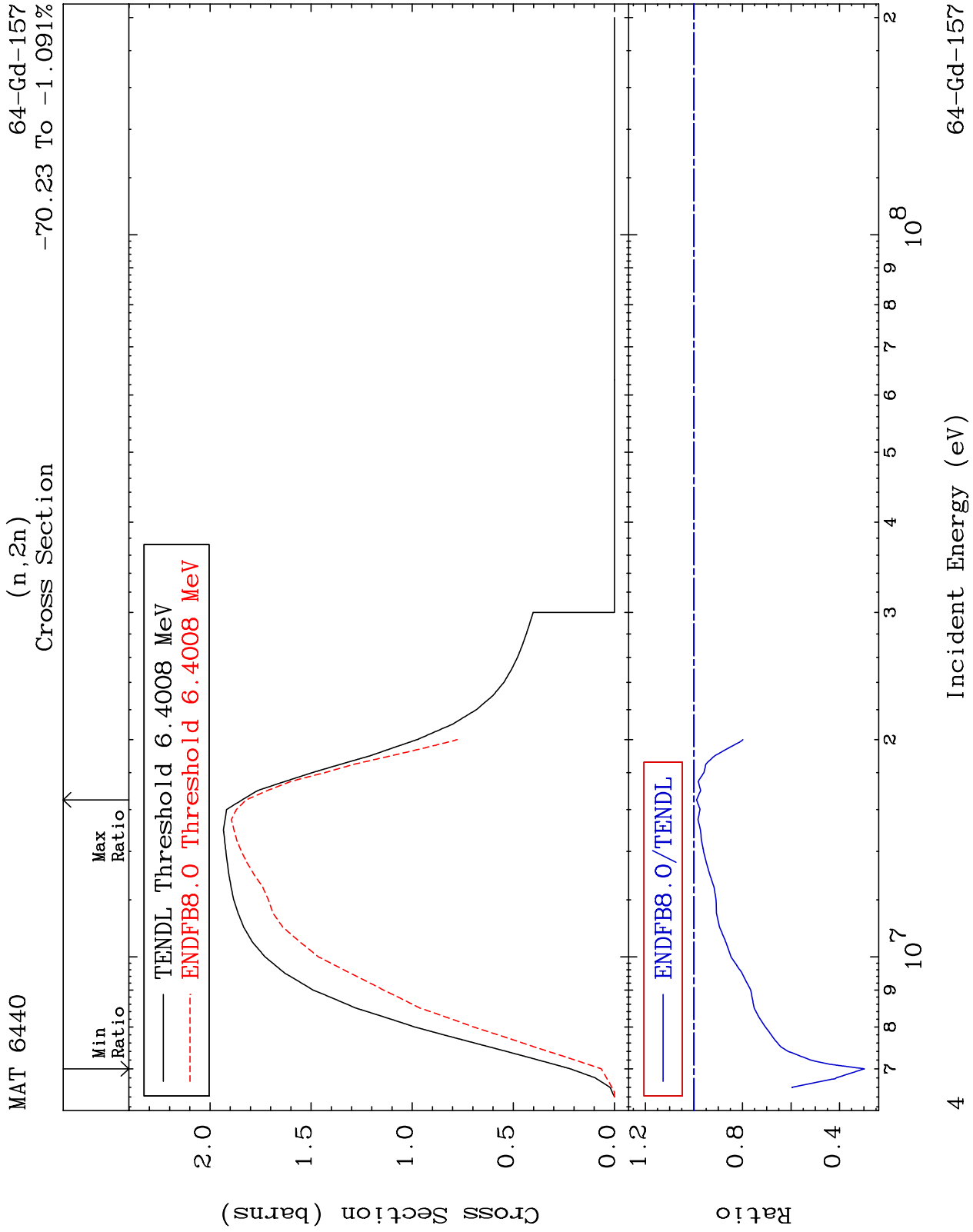


2

Incident Energy (eV)

64-Gd-157





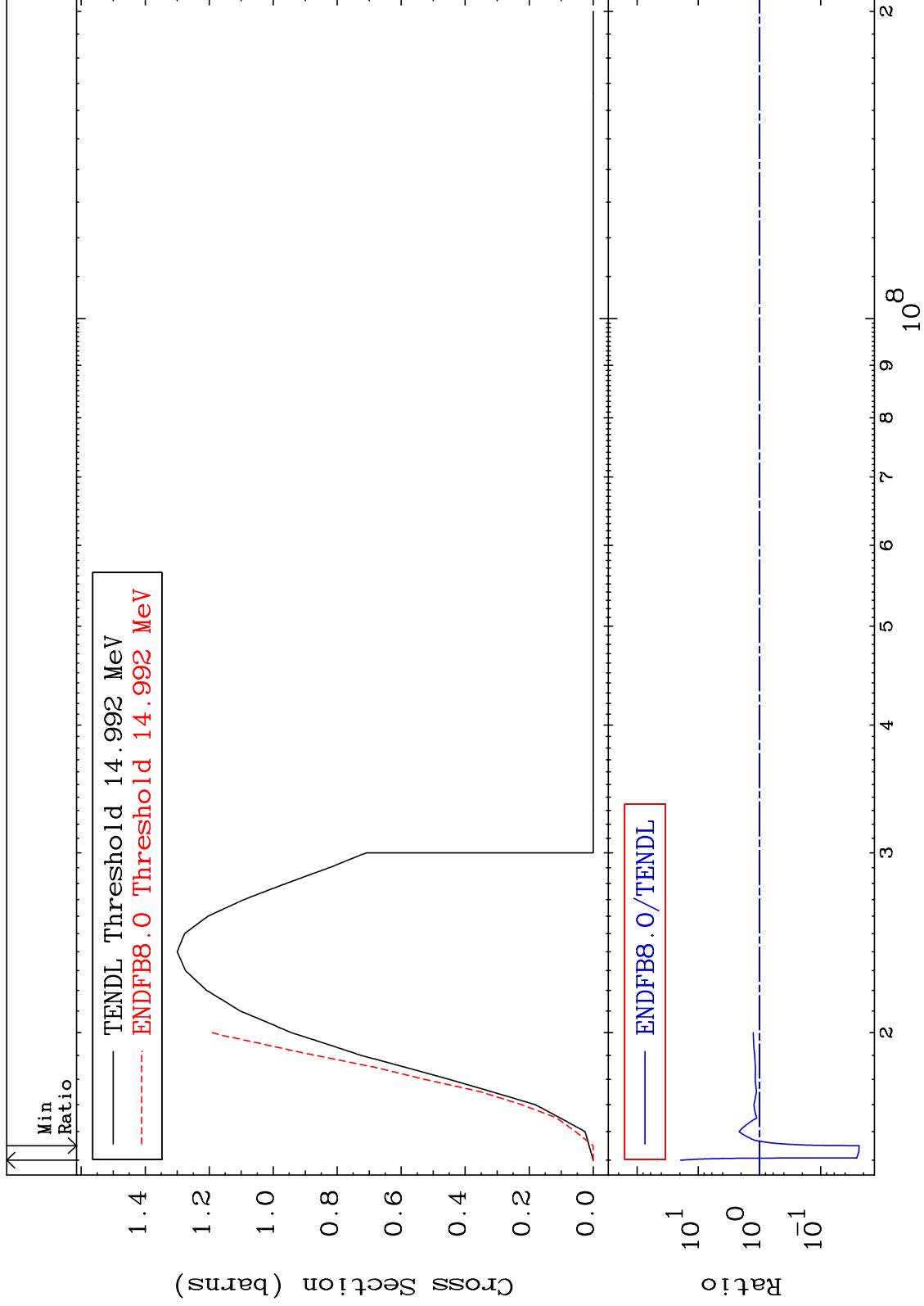
MAT 6440

(n,3n)

64-Gd-157

Cross Section

-97.65 To 1843. %



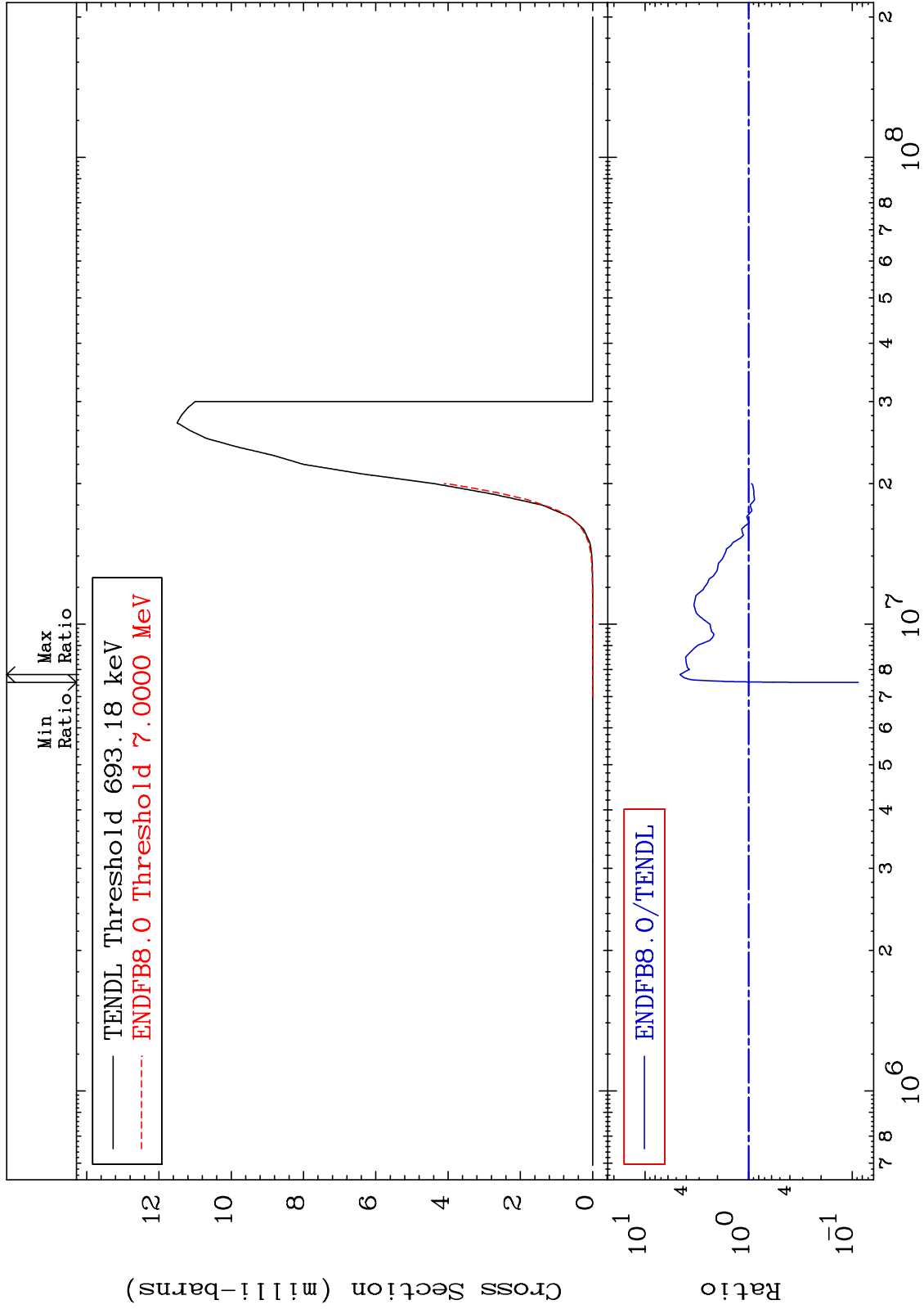
MAT 6440

(n, n') α

64-Gd-157

Cross Section

-91.29 To 359.4 %



64-Gd-157

64-Gd-157

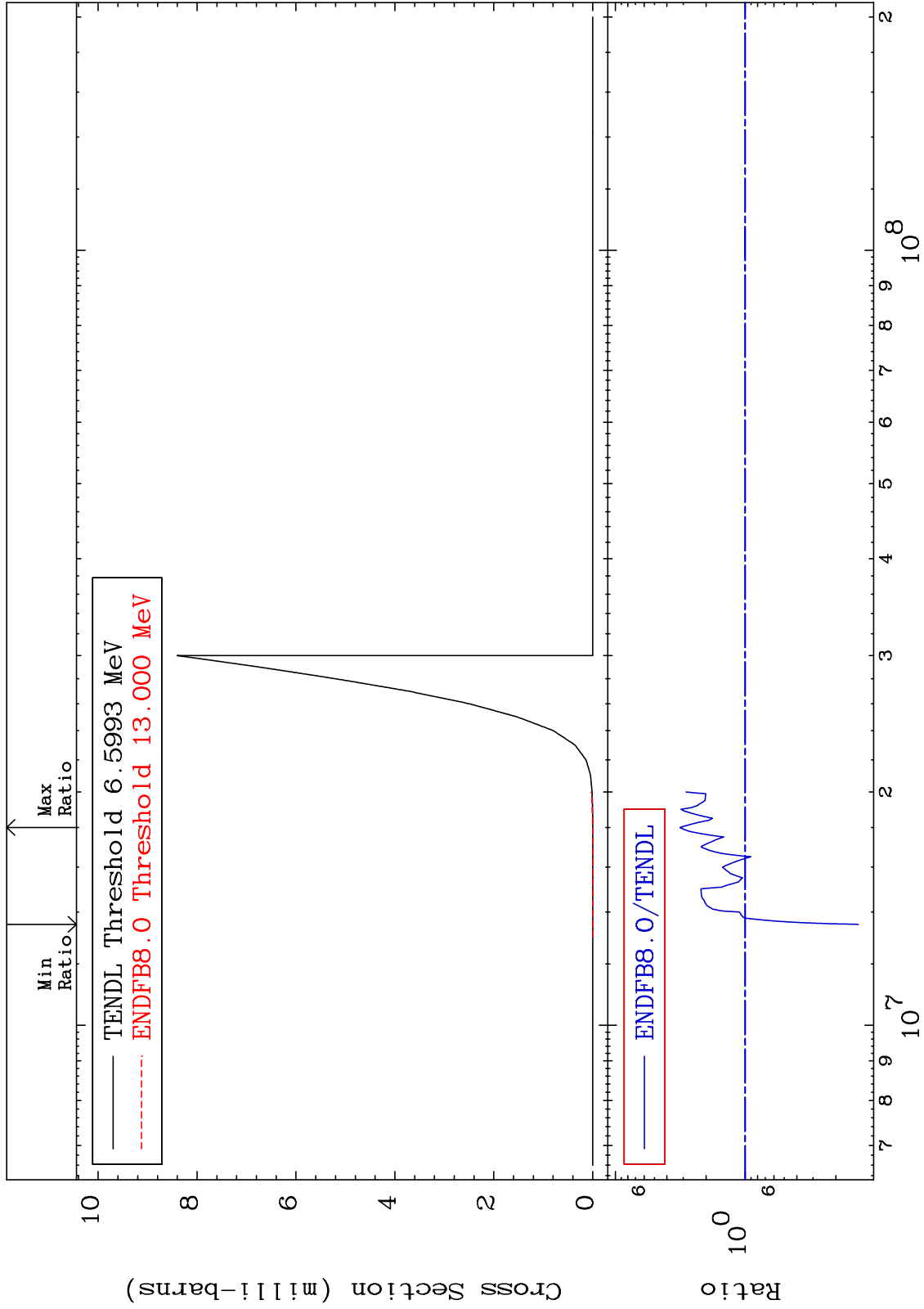
MAT 6440

(n,2n) α

64-Gd-157

Cross Section

-86.59 To 217.4 %



7

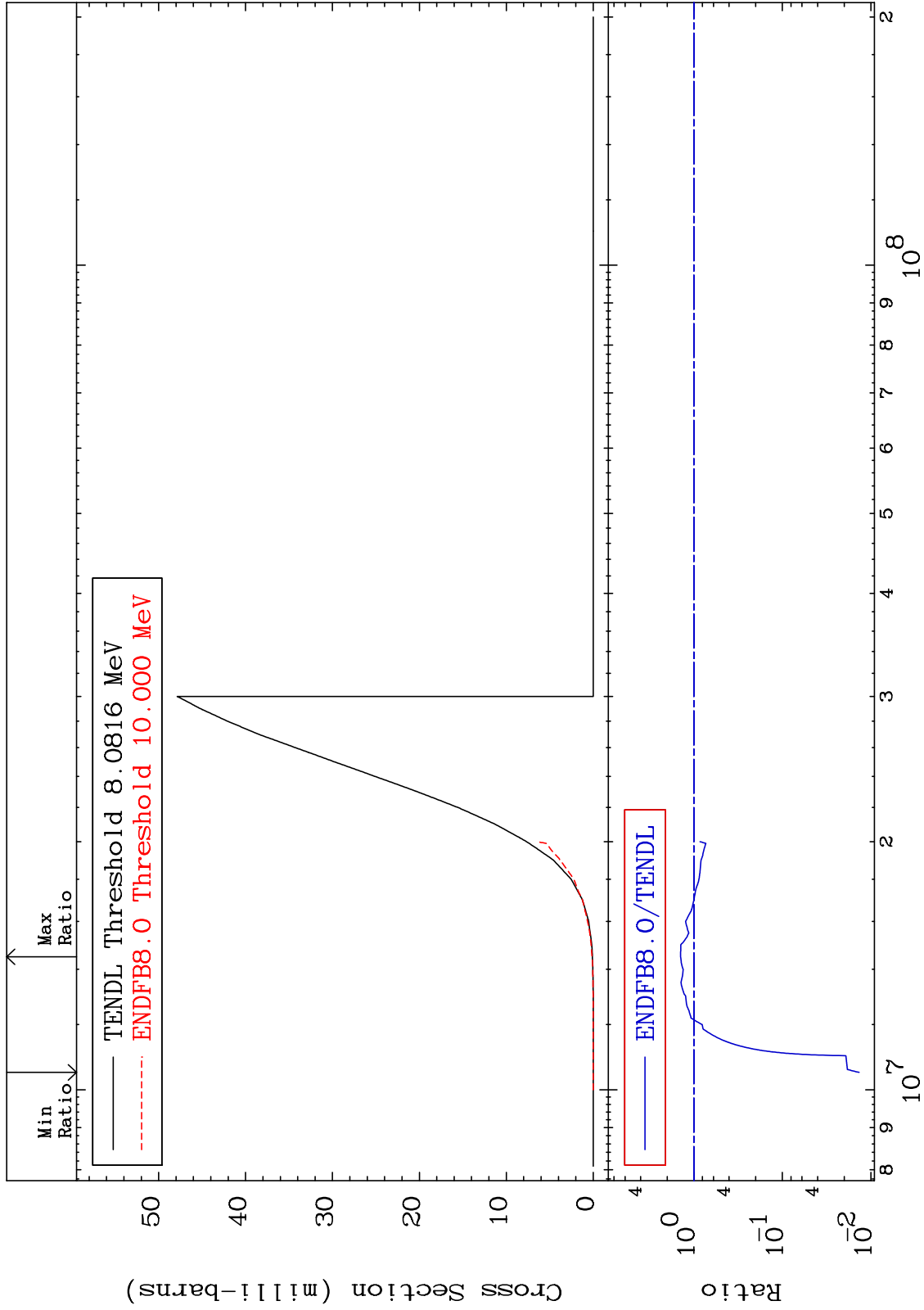
Incident Energy (eV)

64-Gd-157

MAT 6440

(n,n') p
Cross Section

64-Gd-157
-98.65 To 41.14 %



8

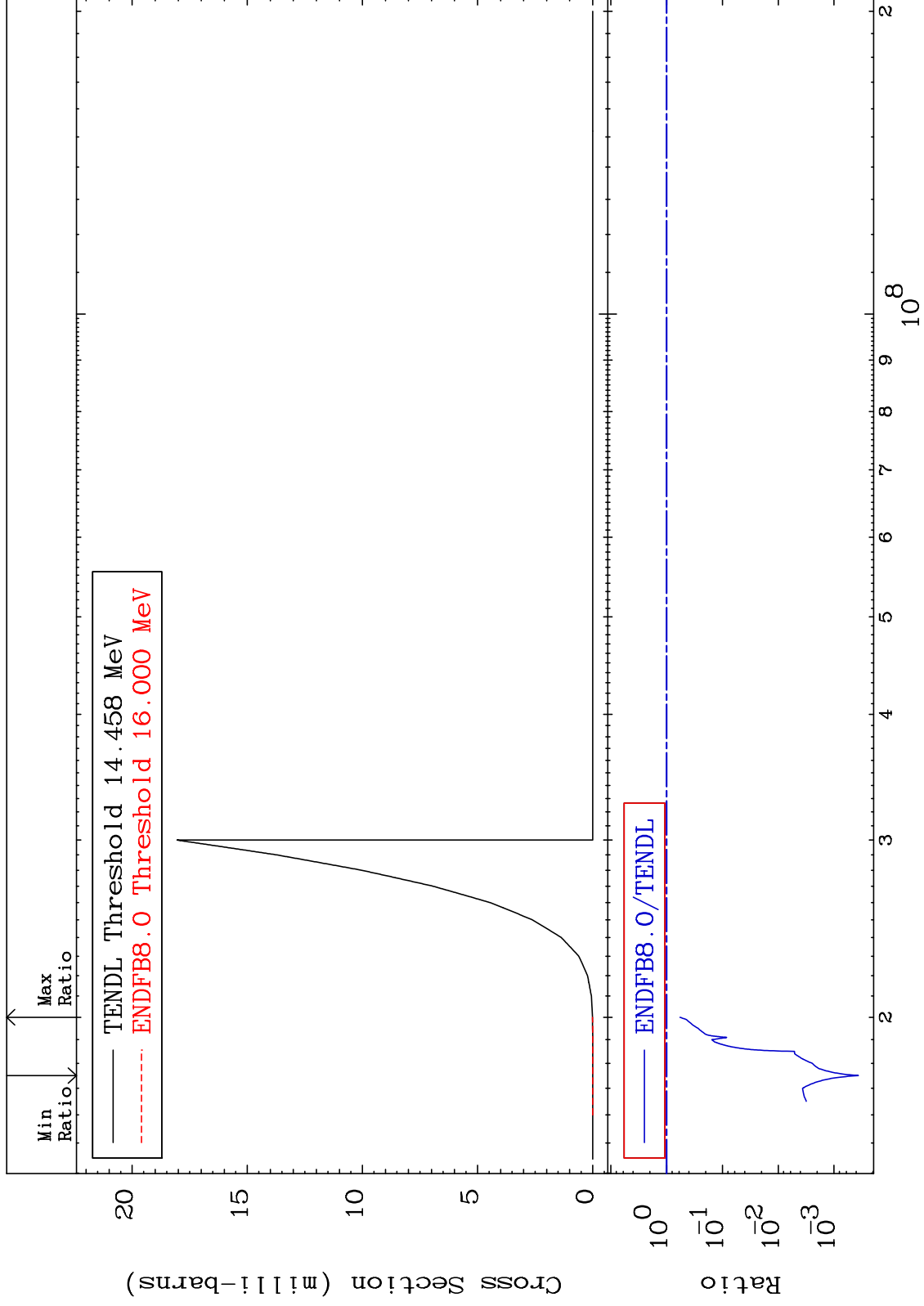
Incident Energy (eV)

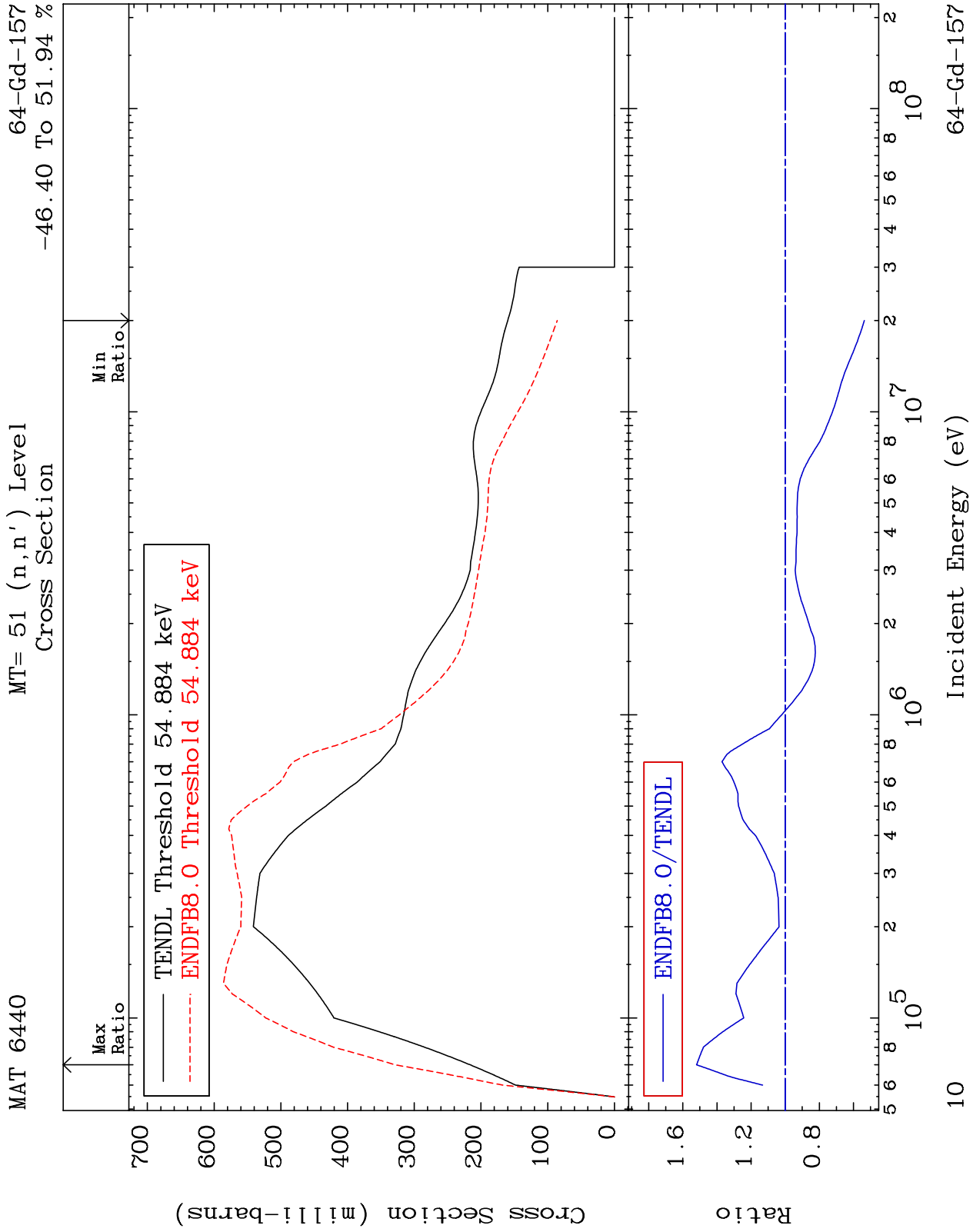
64-Gd-157

MAT 6440

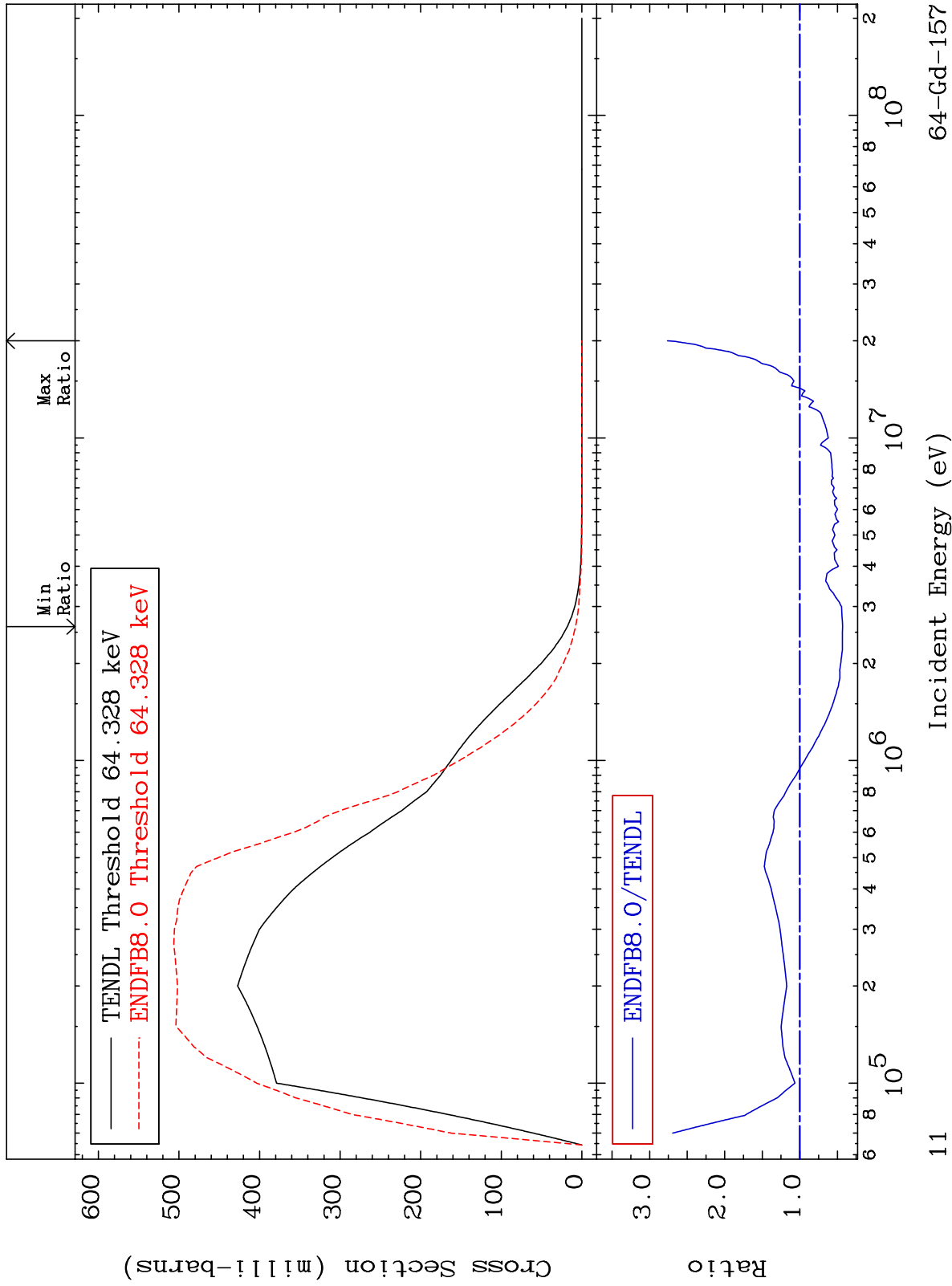
(n,2n) p
Cross Section

64-Gd-157
-99.96 To -42.46%

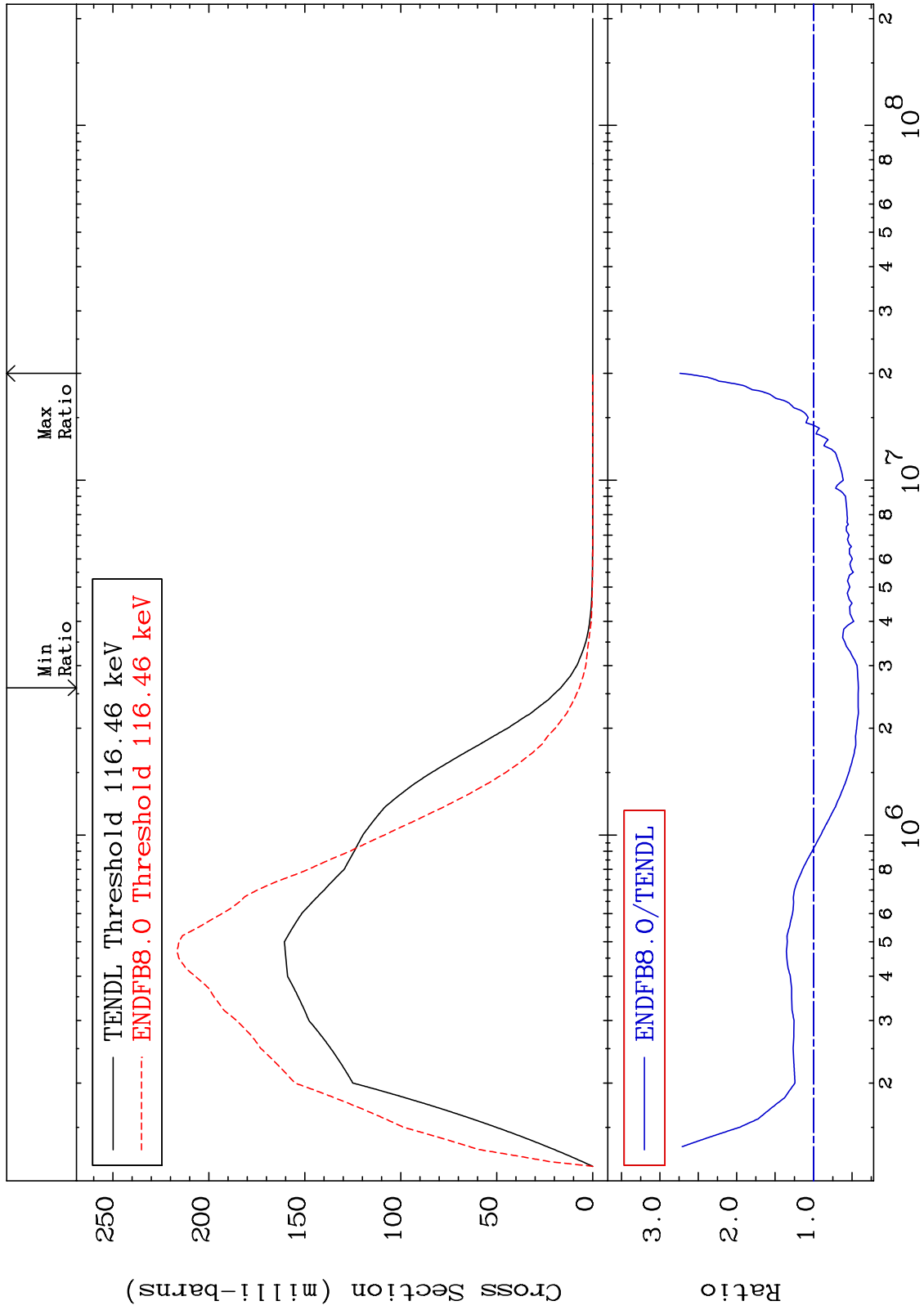




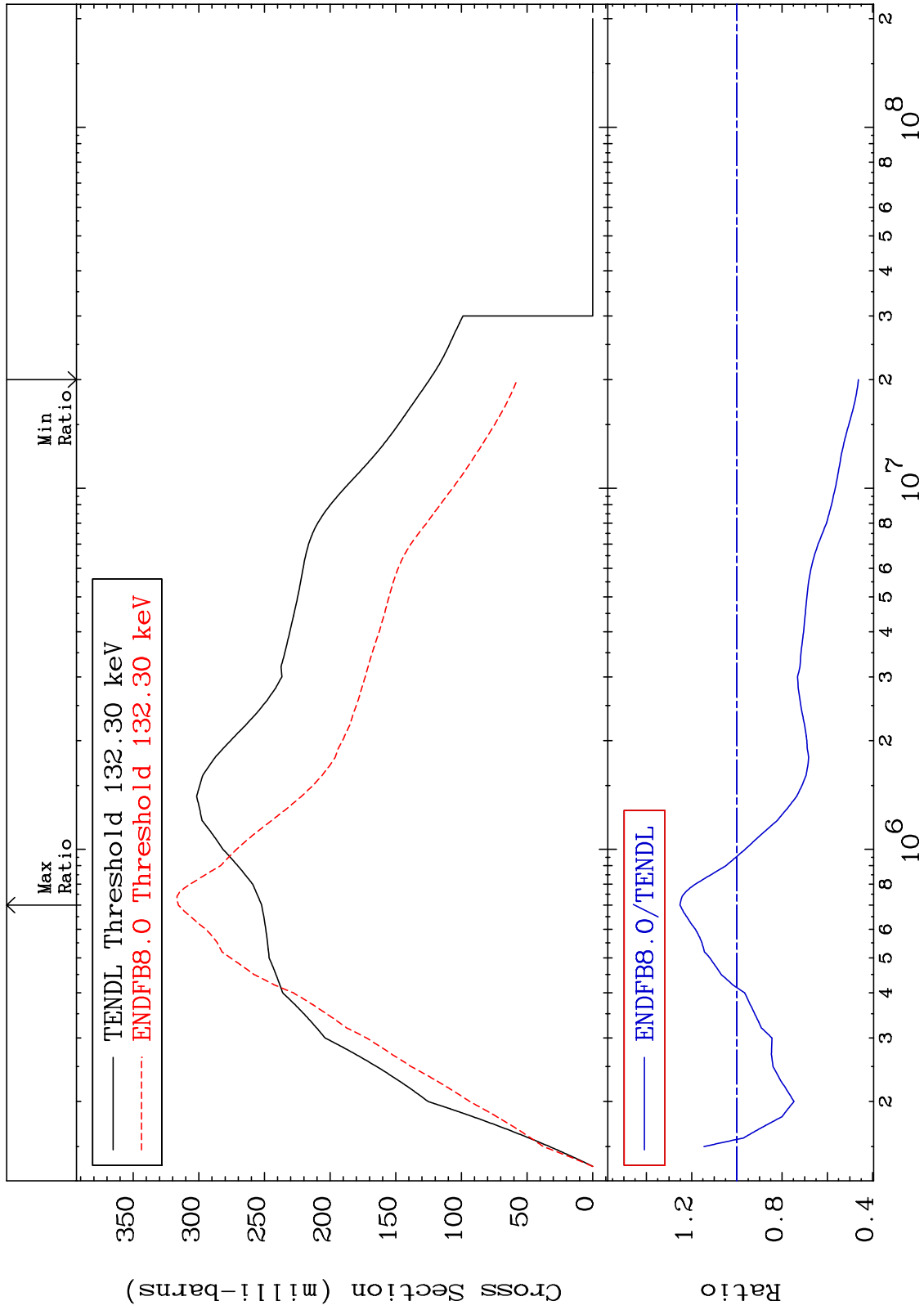
MAT 6440 MT= 52 (n,n') Level 64-Gd-157
 Cross Section -57.03 To 176.1 %

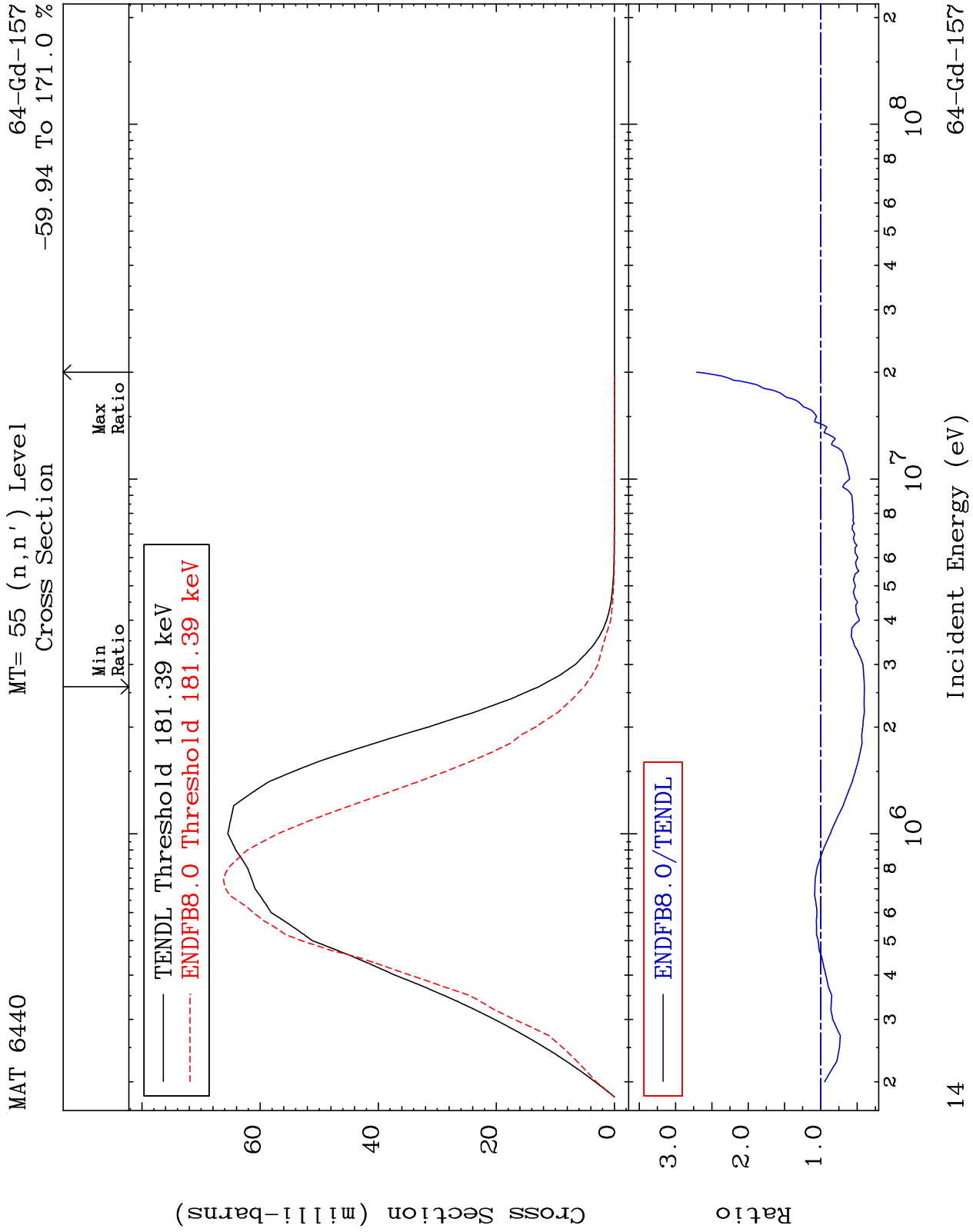


MAT 6440 MT= 53 (n,n') Level Cross Section 64-Gd-157 -58.35 To 173.8 %

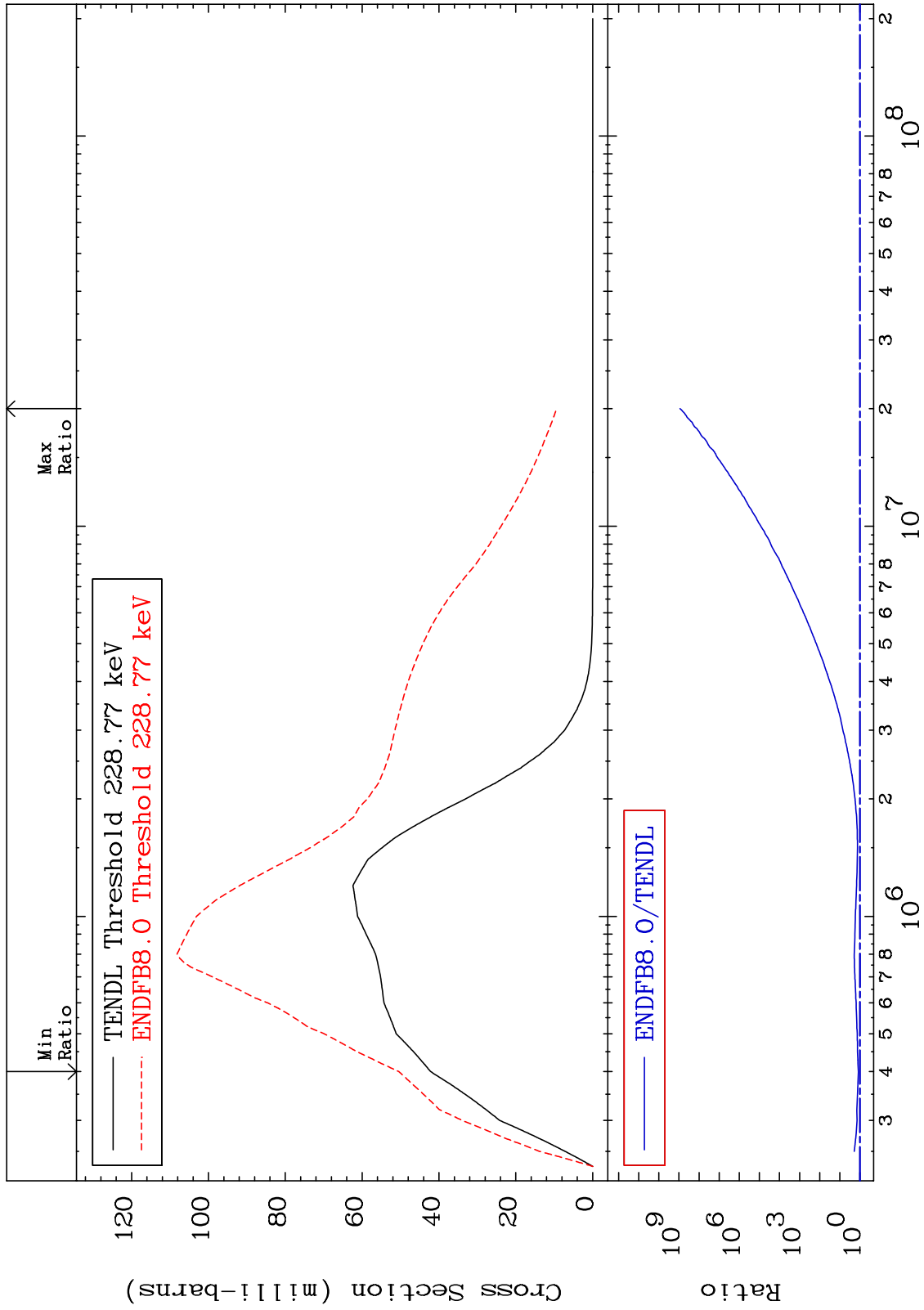


MAT 6440 MT= 54 (n,n') Level Cross Section 64-Gd-157 -53.76 To 25.14 %





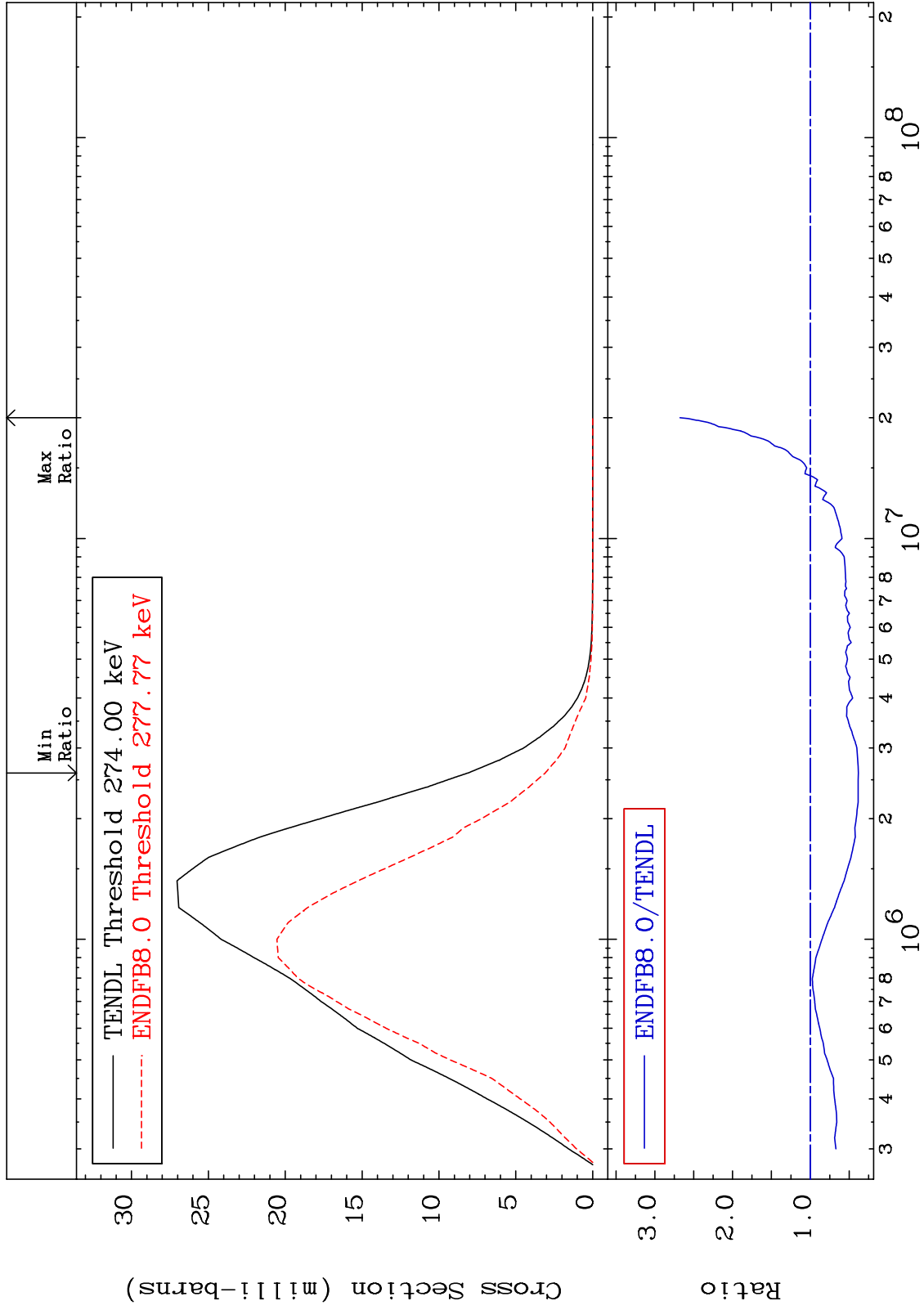
MAT 6440 MT= 56 (n,n') Level Cross Section 64-Gd-157 19.63 To 9999. %



MAT 6440

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

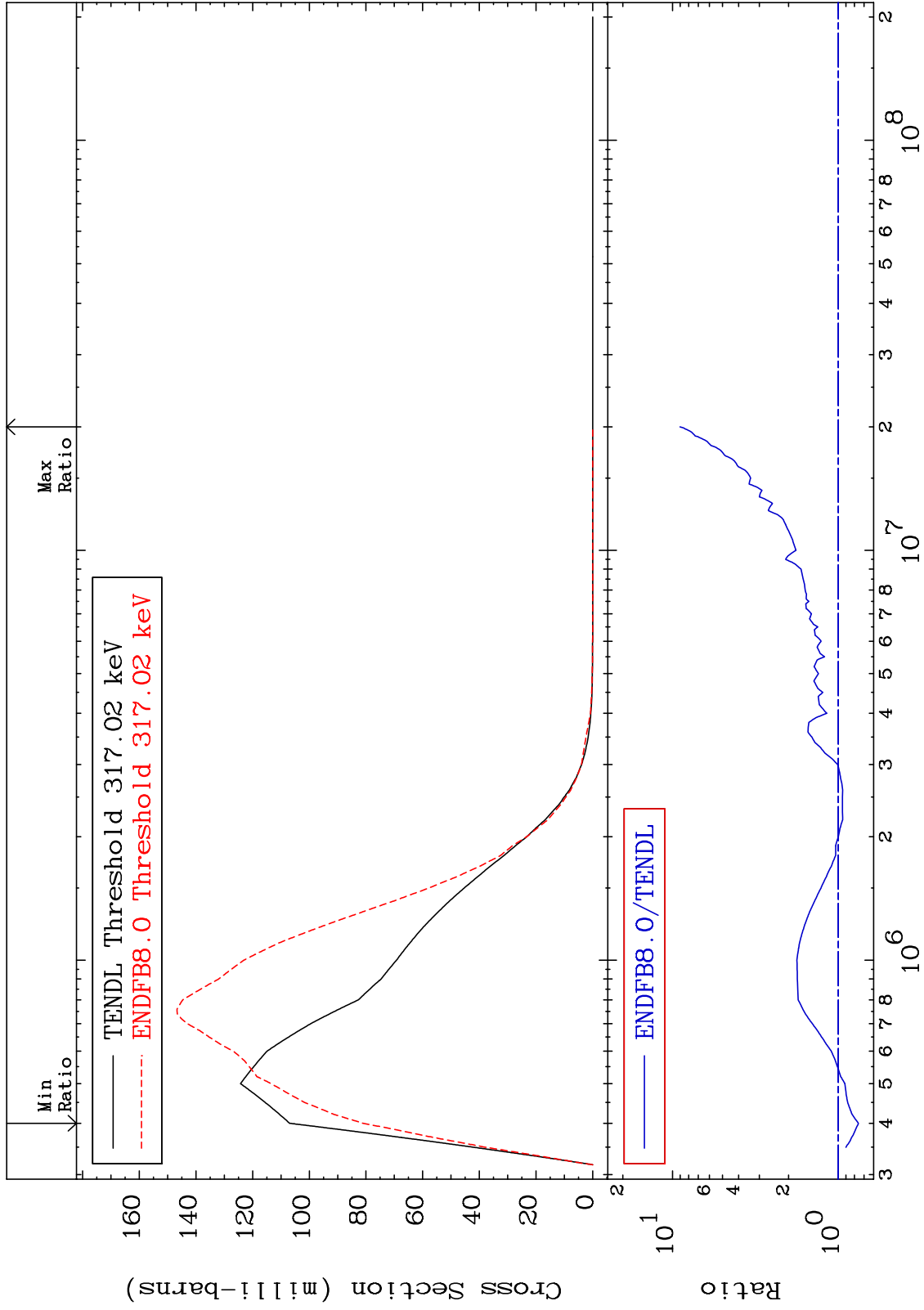
64-Gd-157
-61.95 To 167.7 %



MAT 6440

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

64-Gd-157
-24.29 To 802.1 %

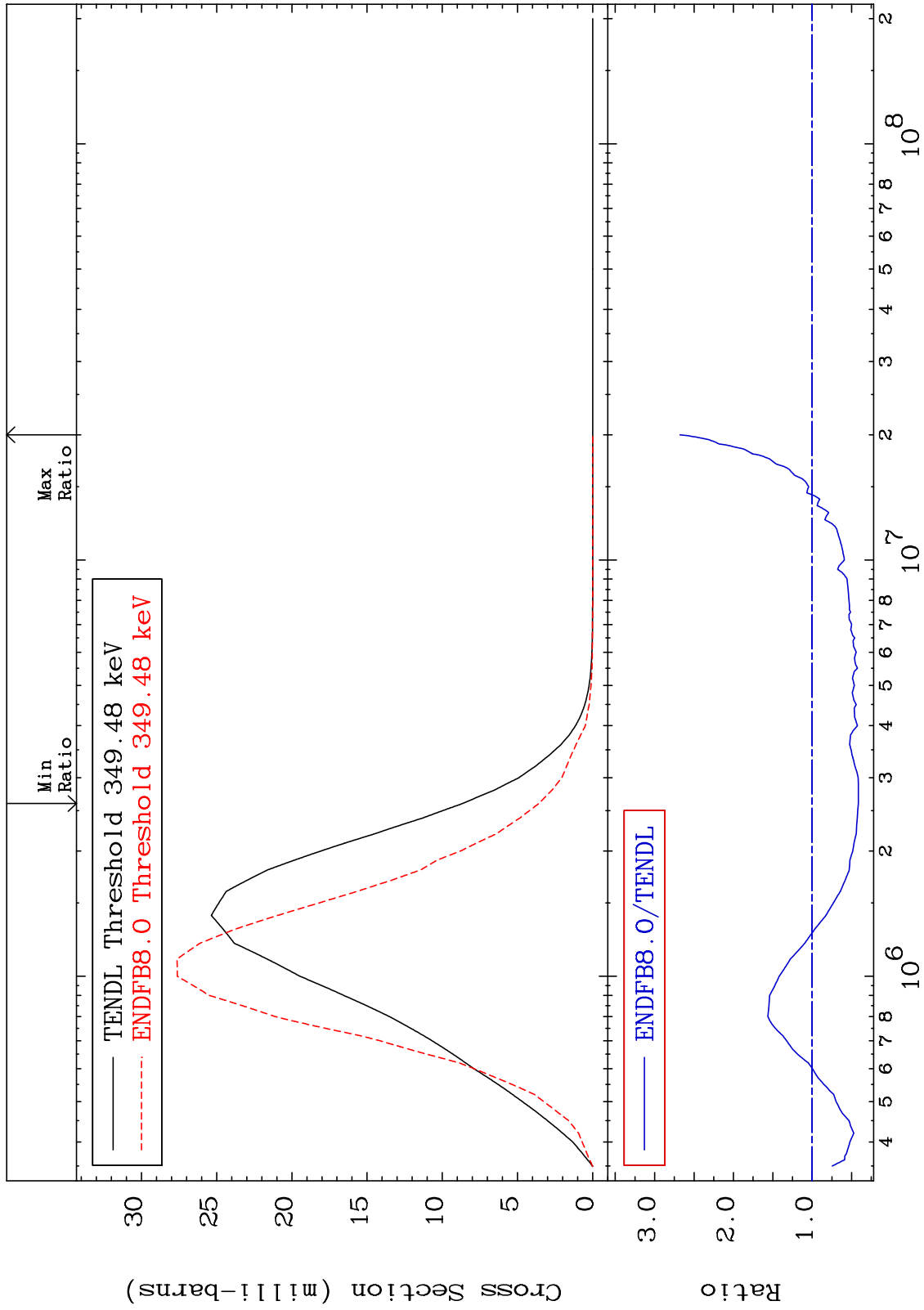


17

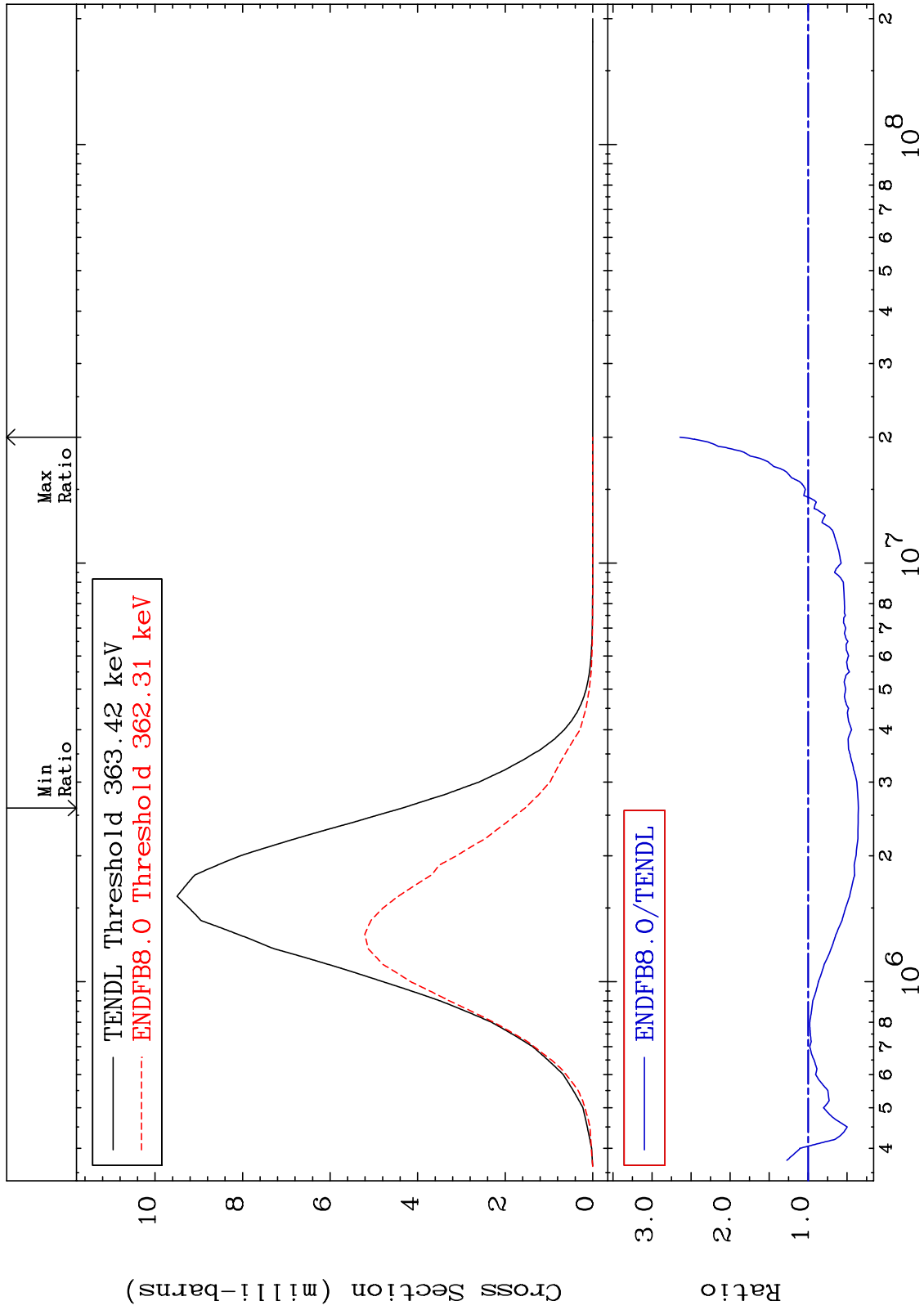
Incident Energy (eV)

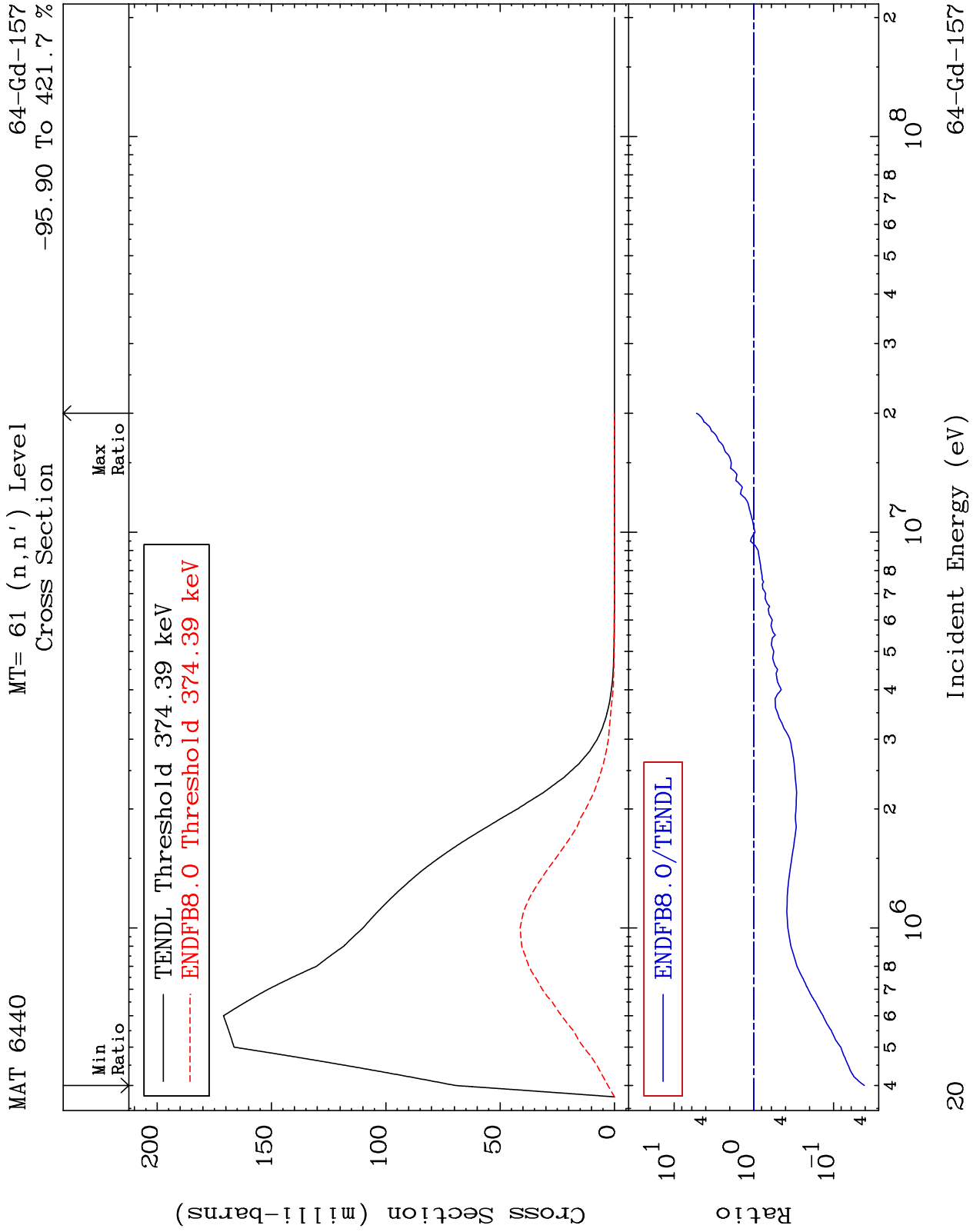
64-Gd-157

MAT 6440 MT= 59 (n,n') Level Cross Section 64-Gd-157
 -58.64 To 167.8 %

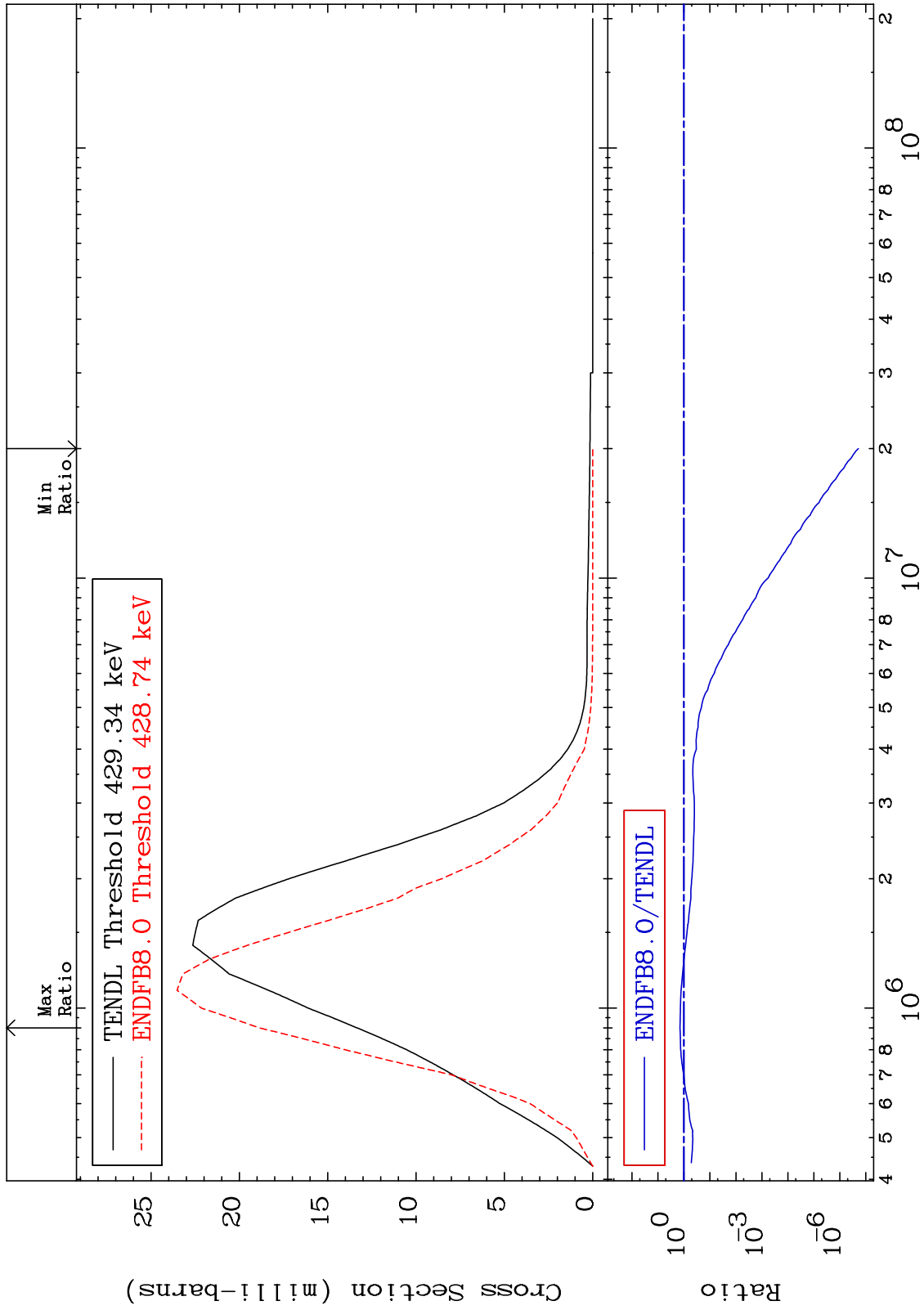


MAT 6440 MT= 60 (n,n') Level Cross Section 64-Gd-157
 -64.46 To 164.1 %

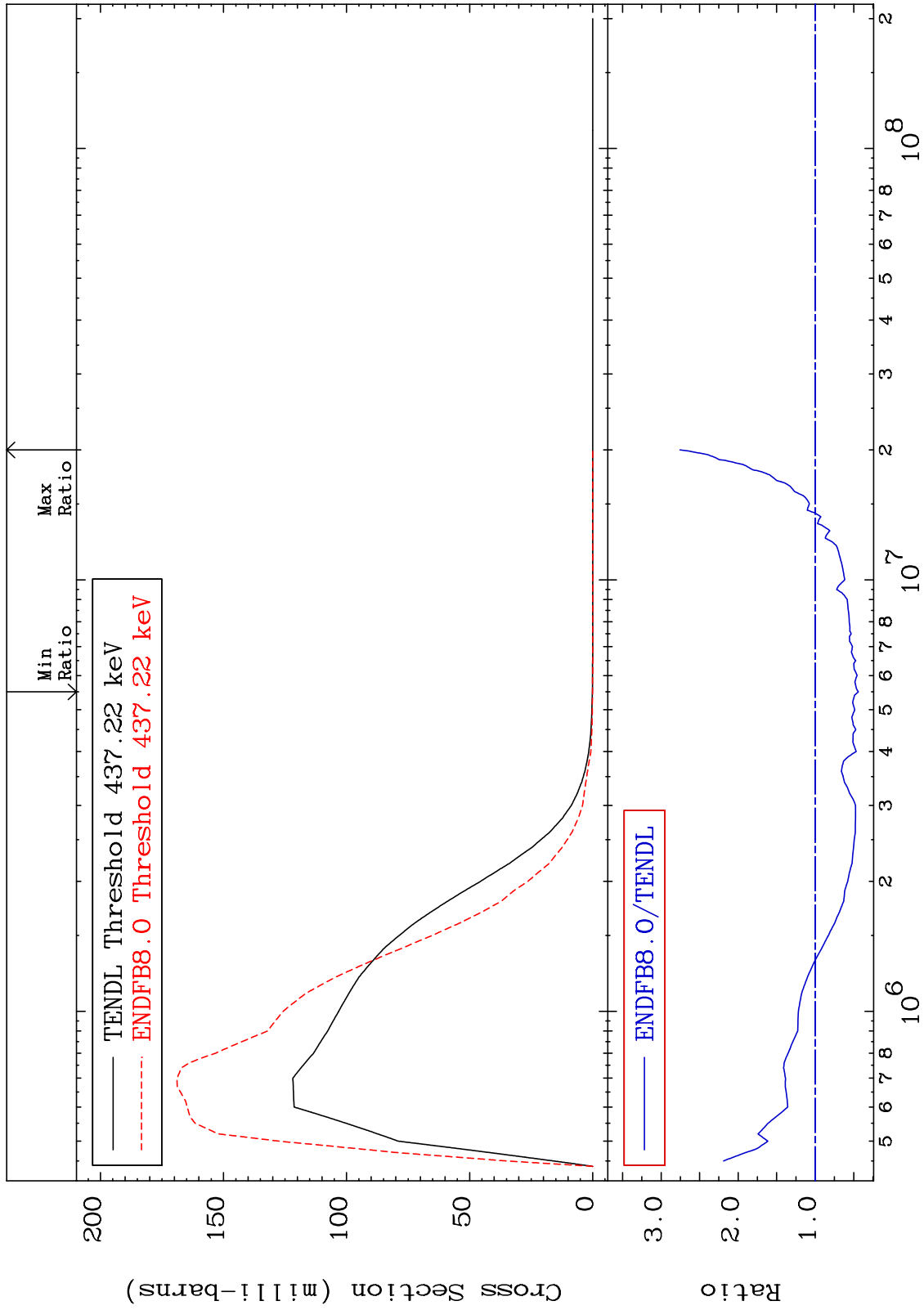




MAT 6440 MT= 62 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 41.51 %



MAT 6440 MT= 63 (n,n') Level Cross Section 64-Gd-157 -56.10 To 175.4 %

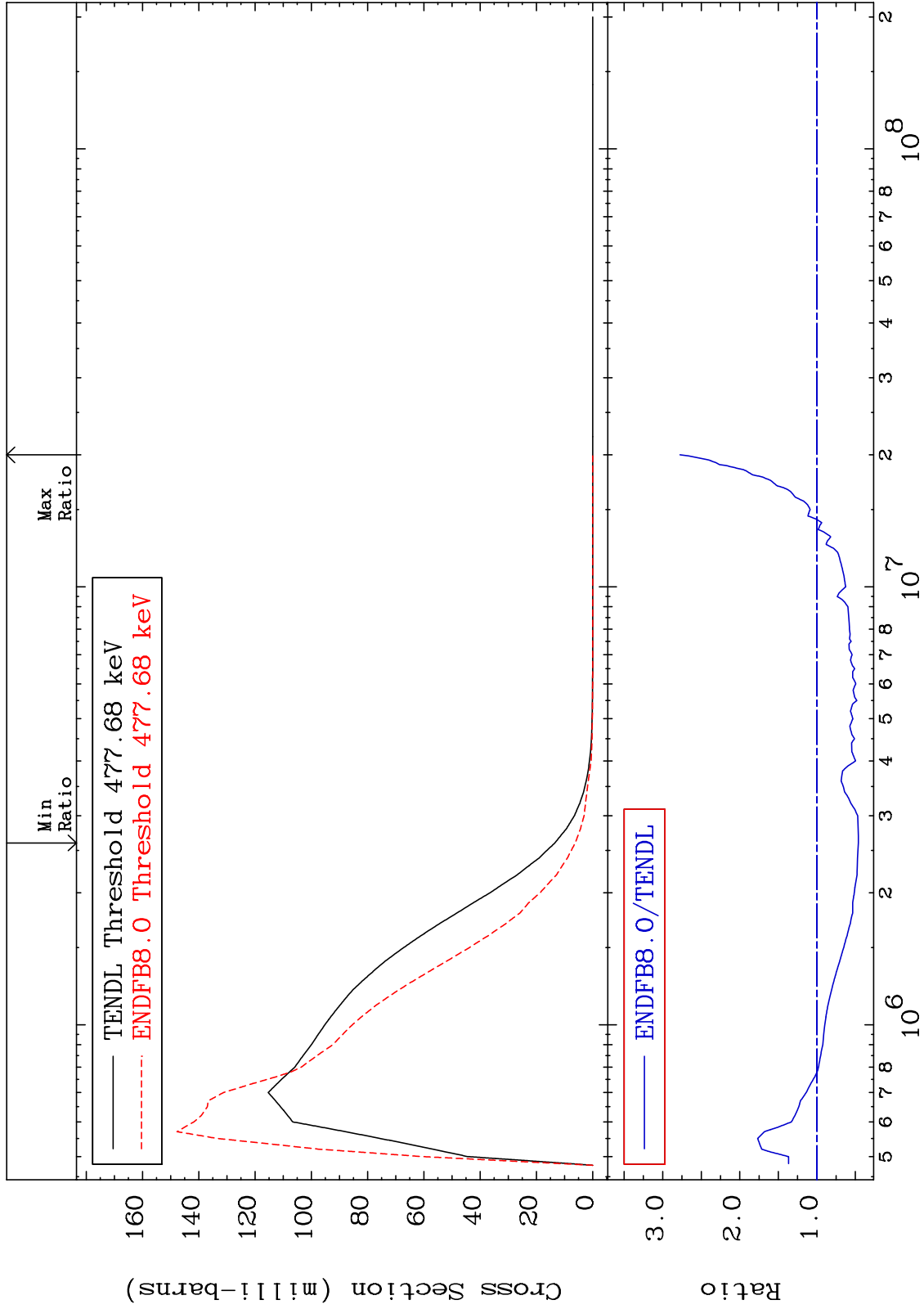


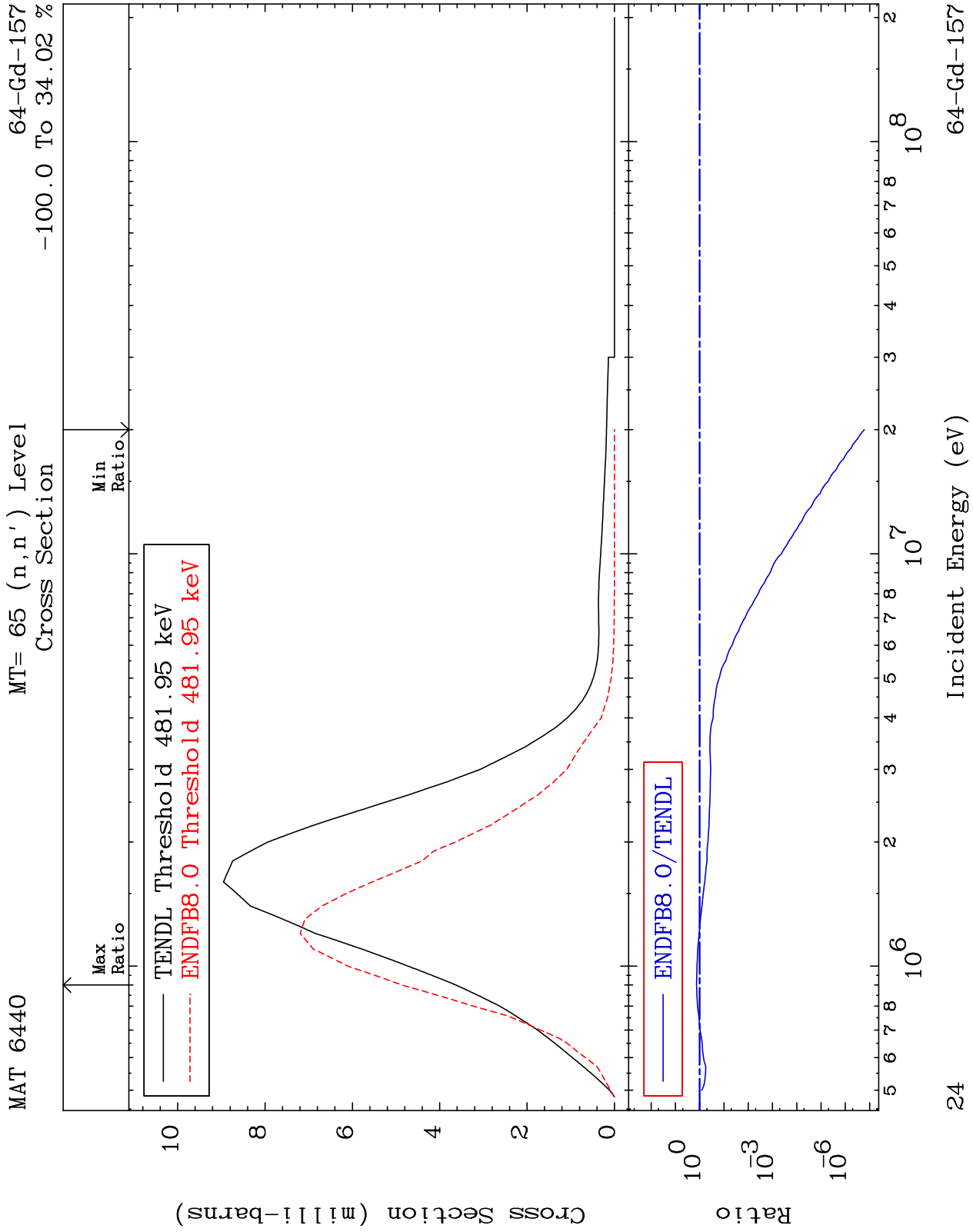
22 64-Gd-157 Incident Energy (eV)

MAT 6440

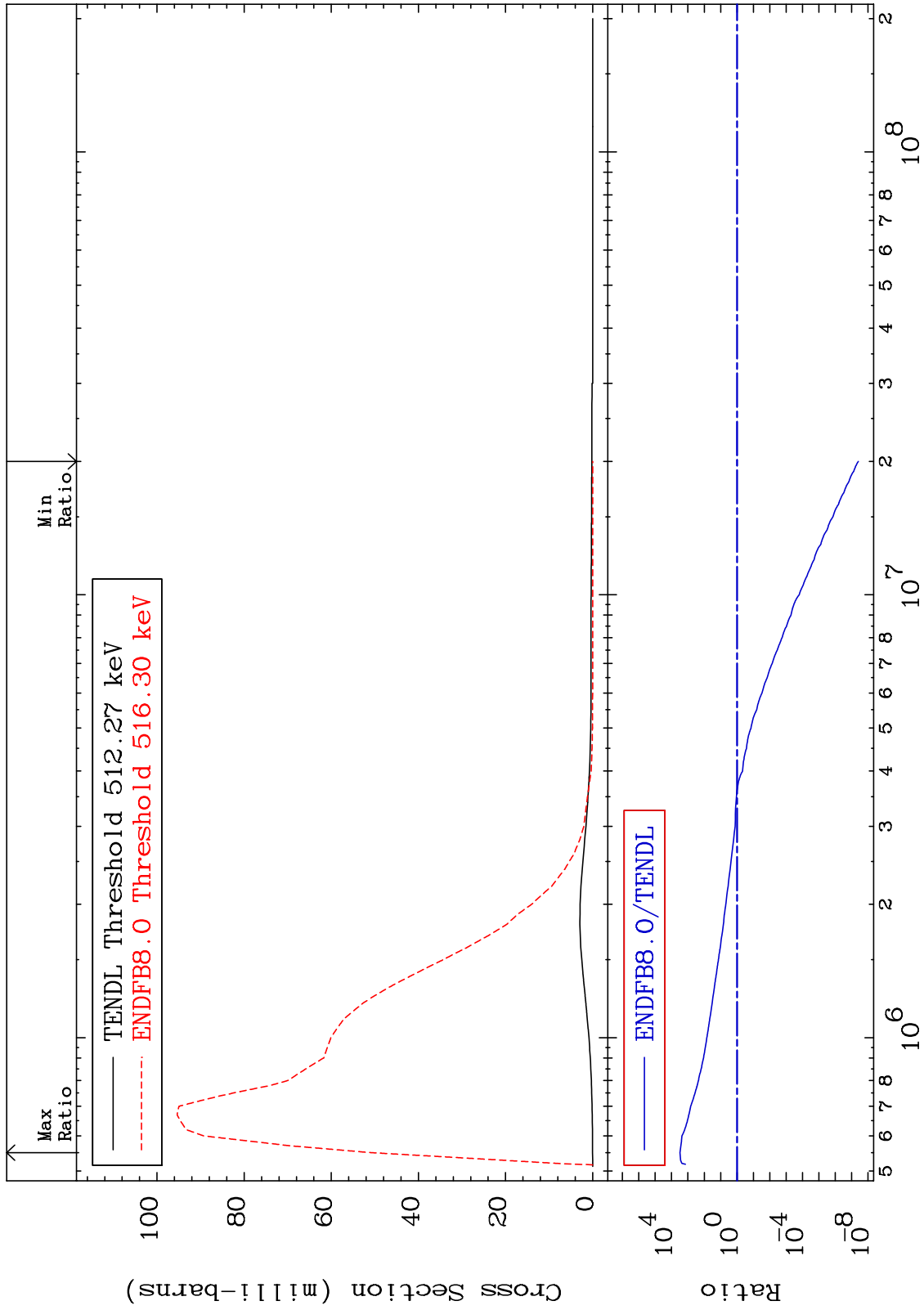
MT= 64 (n,n') Level
Cross Section

64-Gd-157
-53.92 To 177.5 %



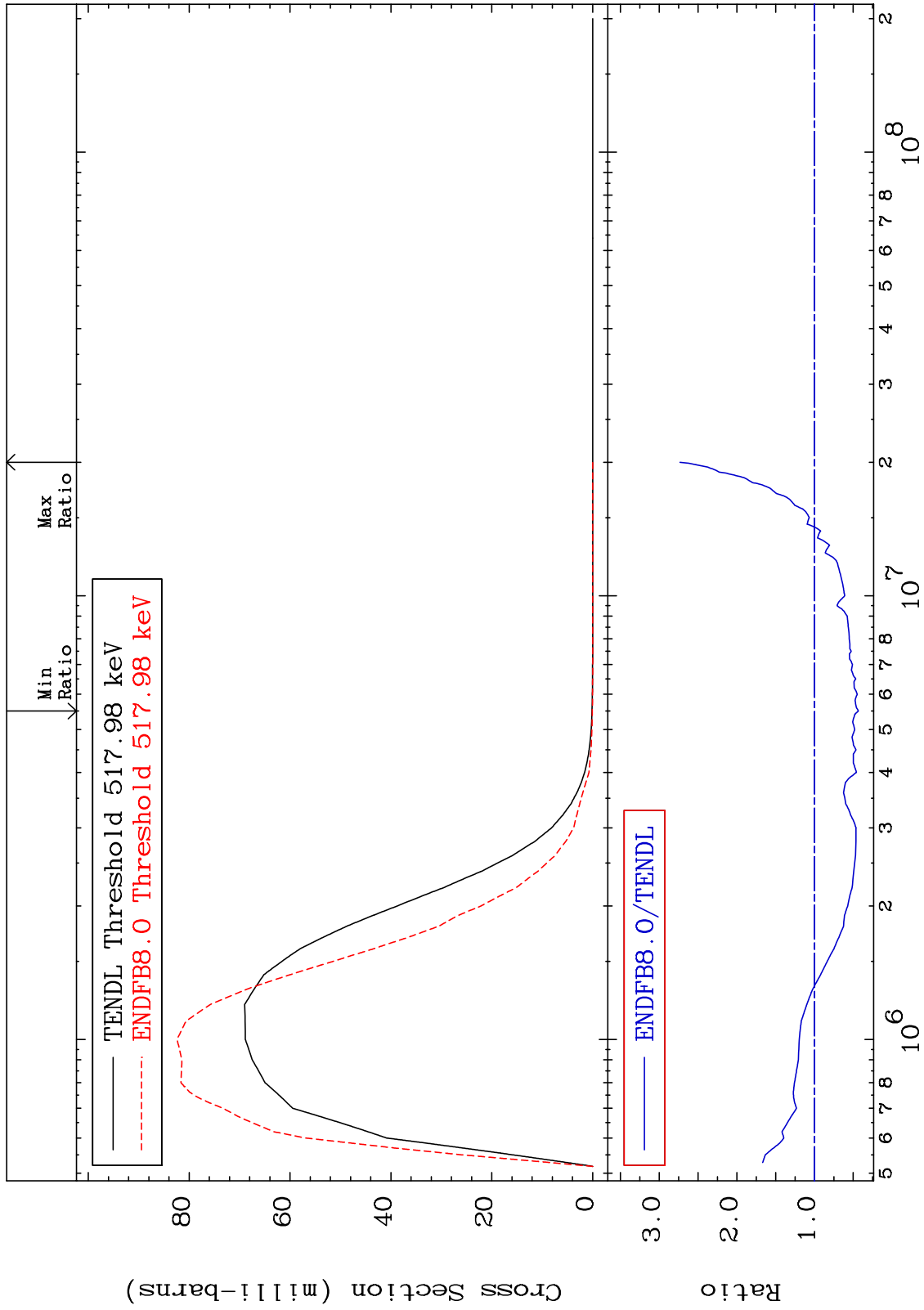


MAT 6440 MT= 66 (n,n') Level Cross Section -100.0 To 9999. % 64-Gd-157

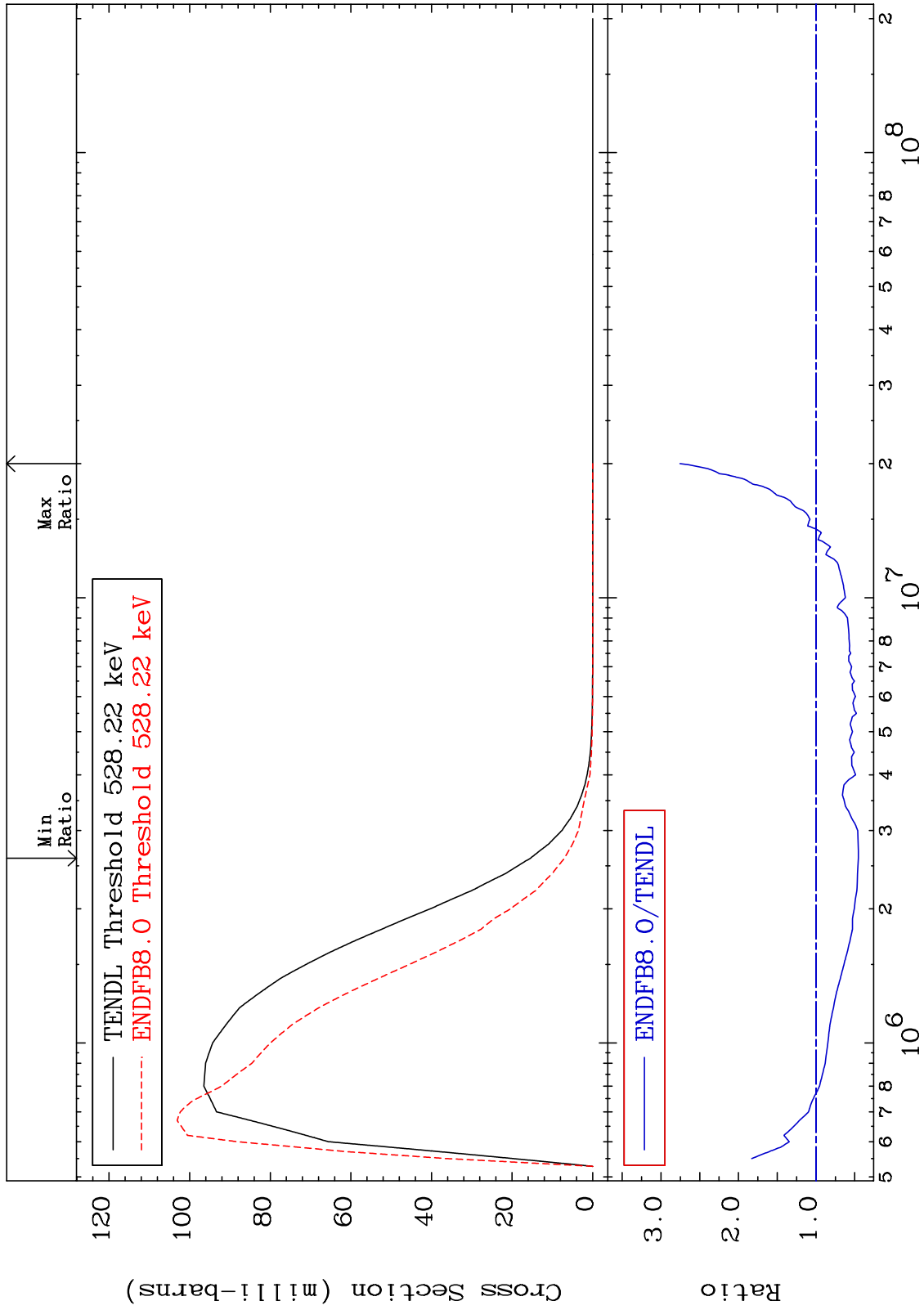


25 64-Gd-157

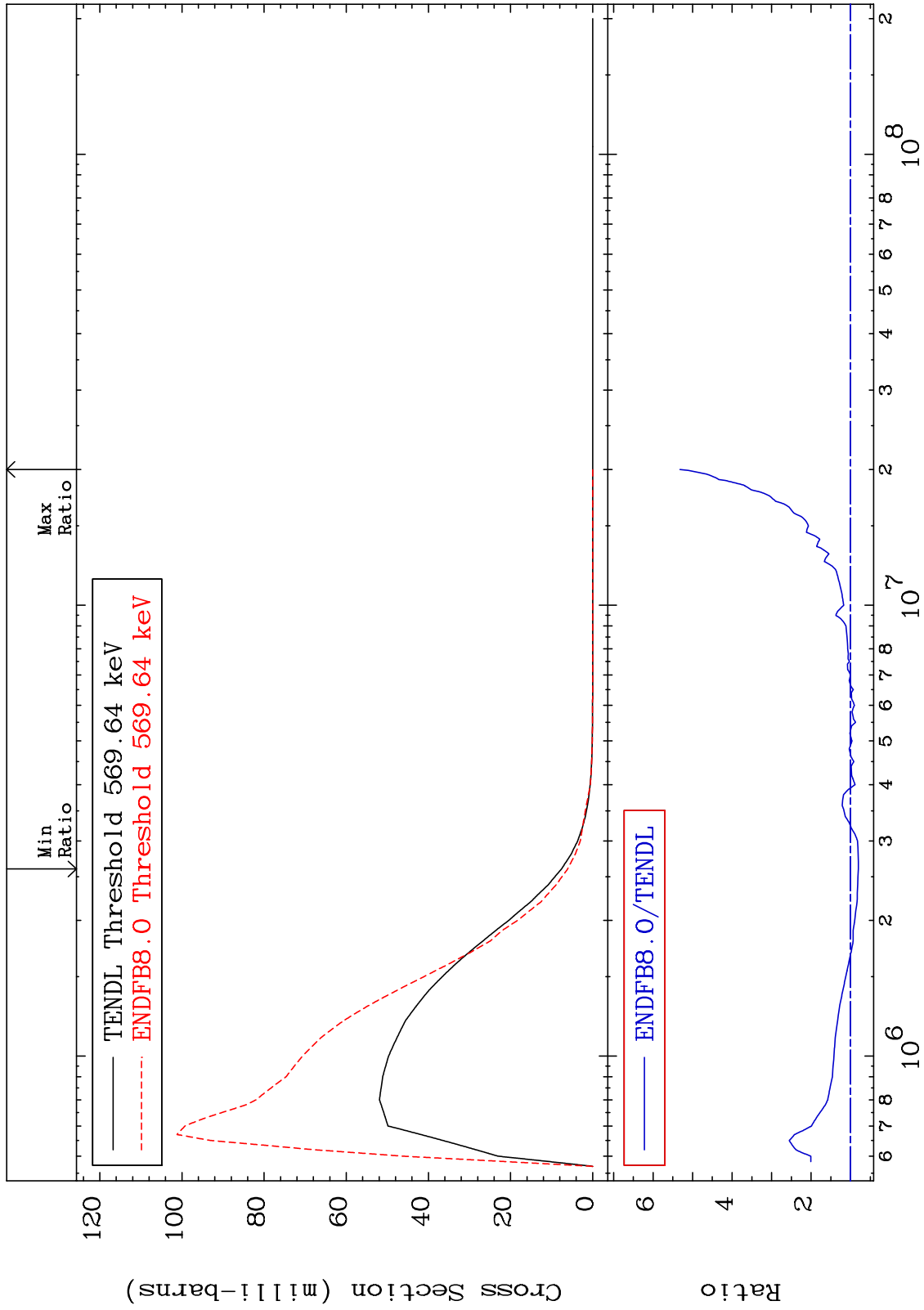
MAT 6440 MT= 67 (n,n') Level Cross Section 64-Gd-157
 -56.68 To 173.2 %



MAT 6440 MT= 68 (n,n') Level Cross Section 64-Gd-157 -54.70 To 175.4 %

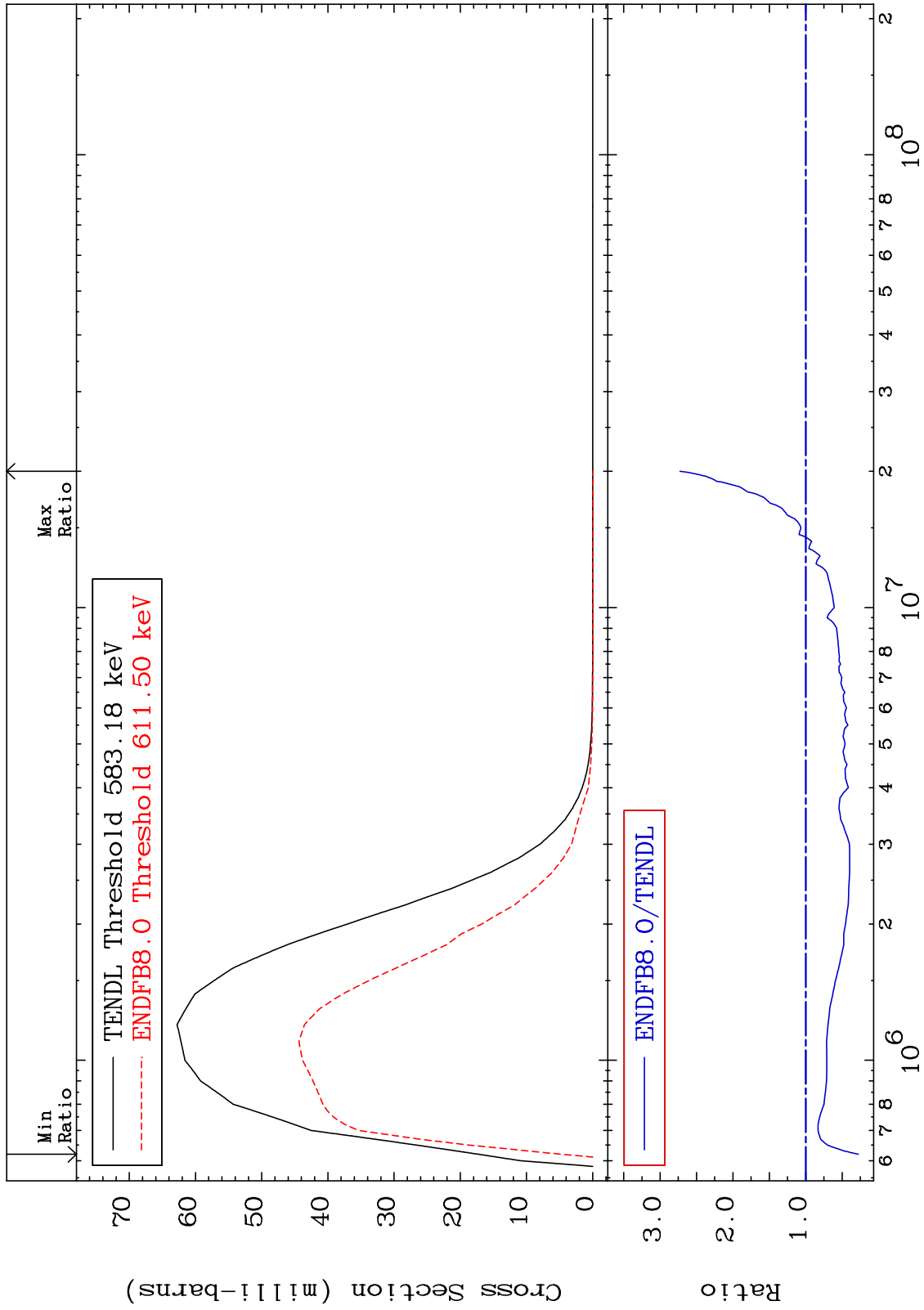


MAT 6440 MT= 69 (n,n') Level Cross Section 64-Gd-157 -19.83 To 431.8 %

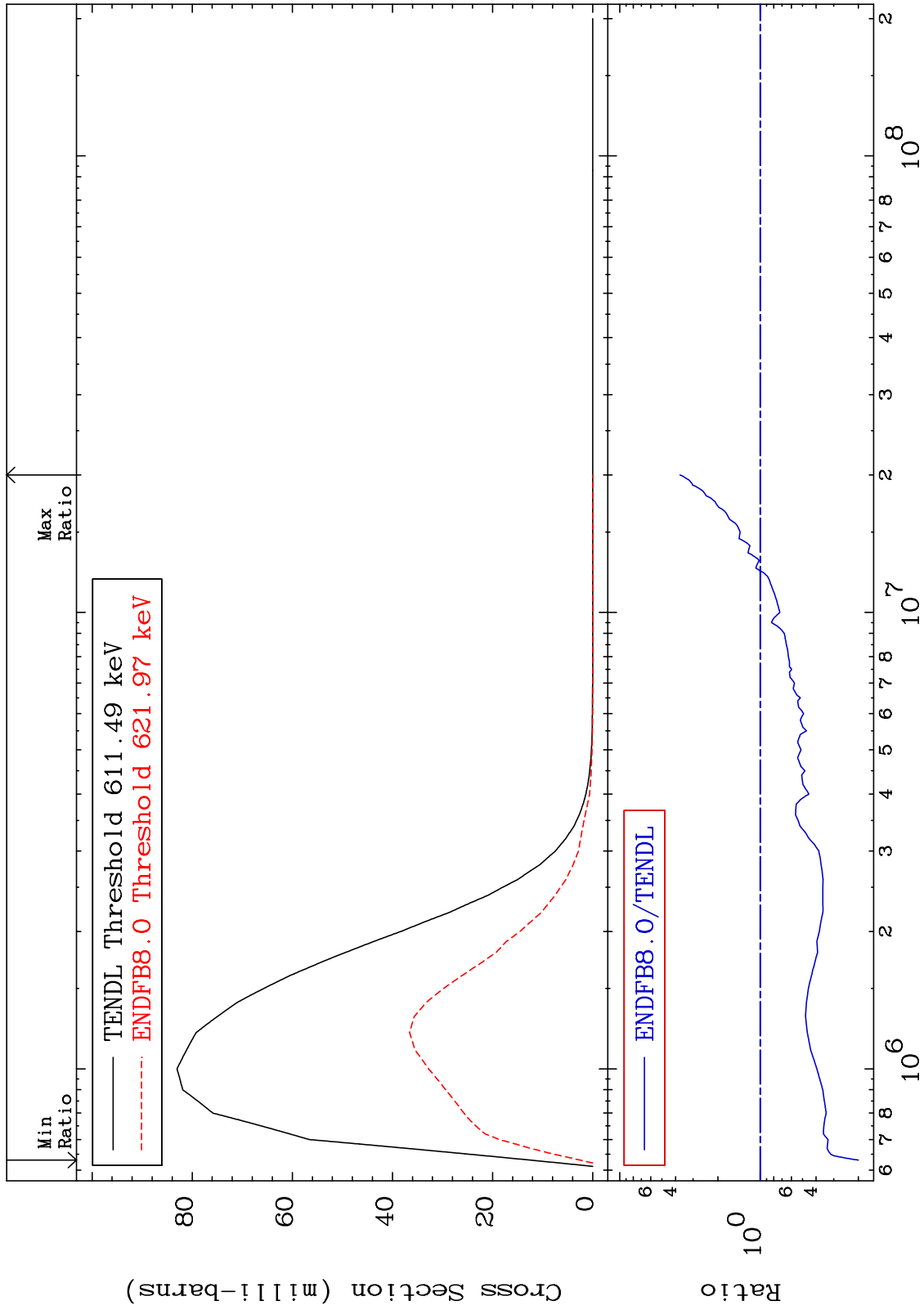


28 Incident Energy (eV) 64-Gd-157

MAT 6440 MT= 70 (n,n') Level Cross Section 64-Gd-157
 -72.34 To 172.6 %

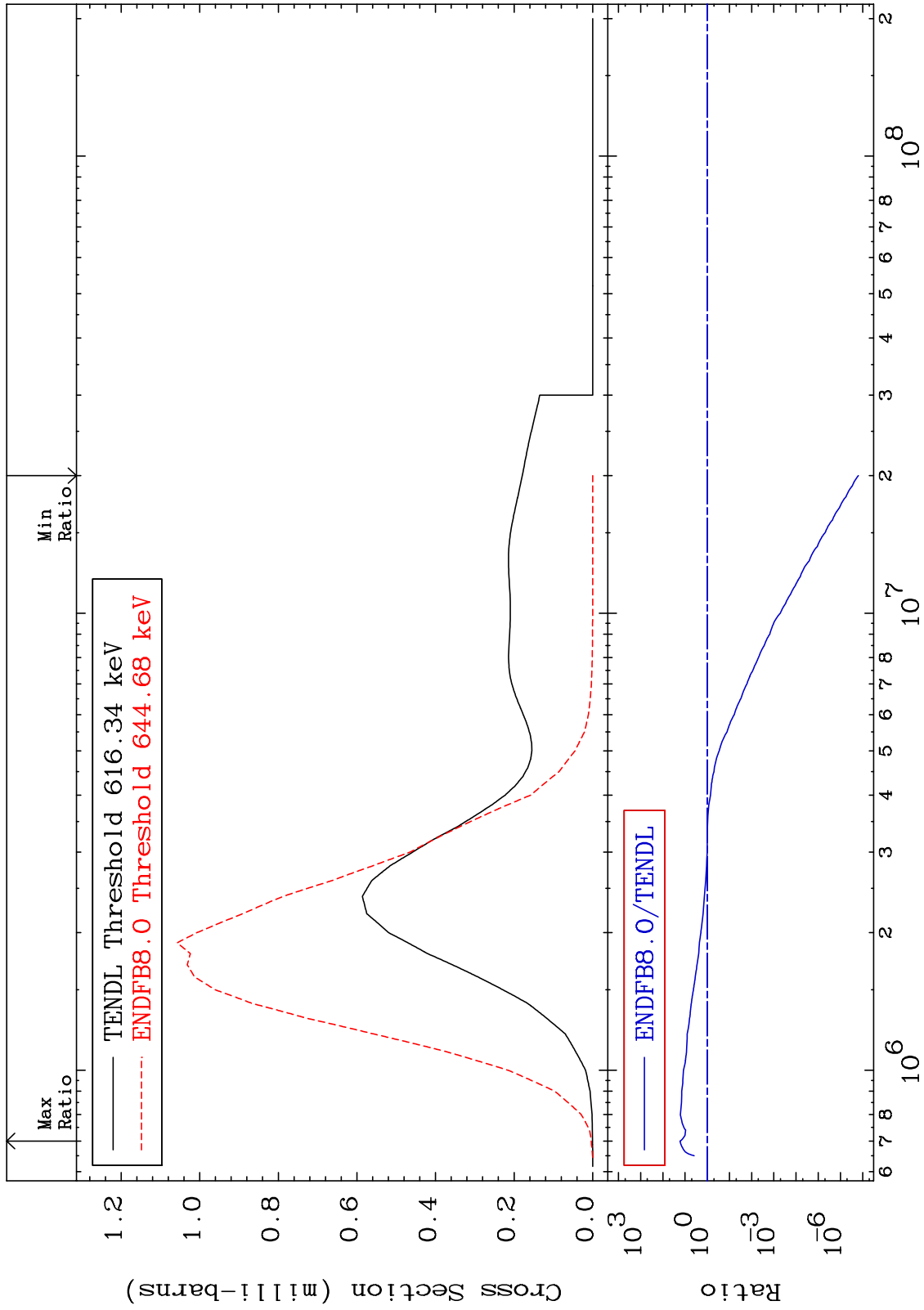


MAT 6440 MT= 71 (n,n') Level Cross Section 64-Gd-157
 -80.01 To 271.8 %

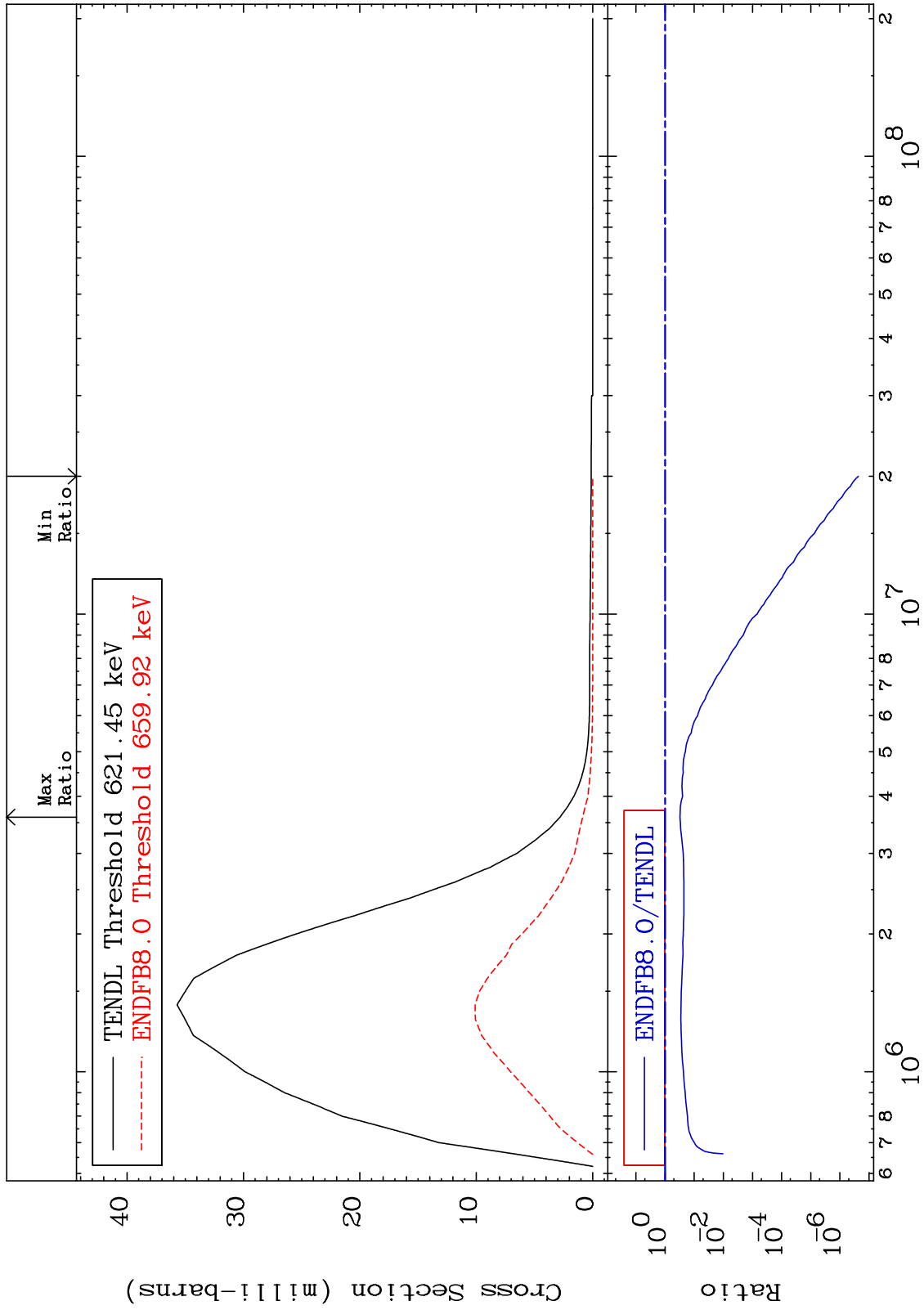


30 Incident Energy (eV) 64-Gd-157

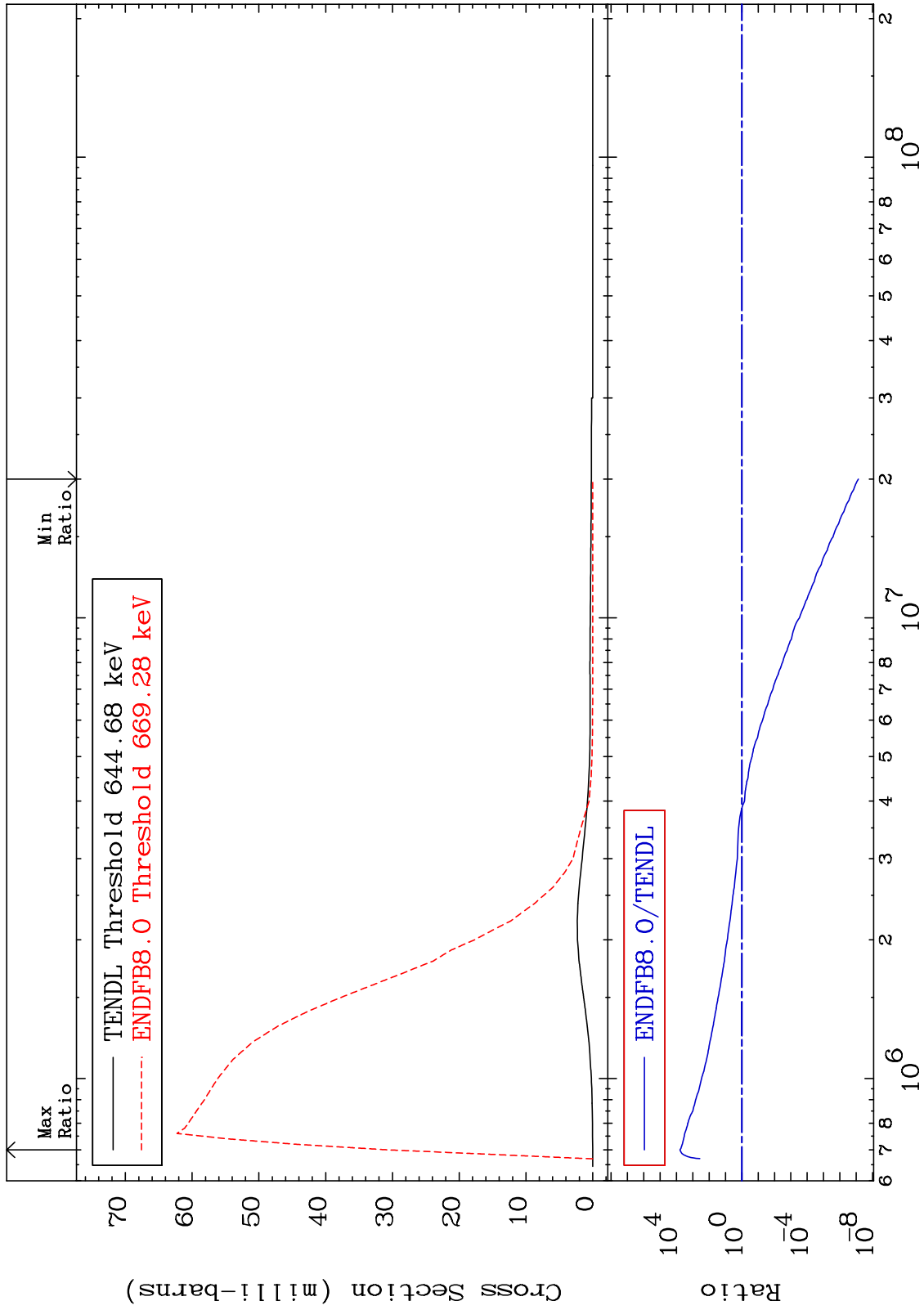
MAT 6440 MT= 72 (n,n') Level Cross Section 64-Gd-157 -100.0 To 1585. %



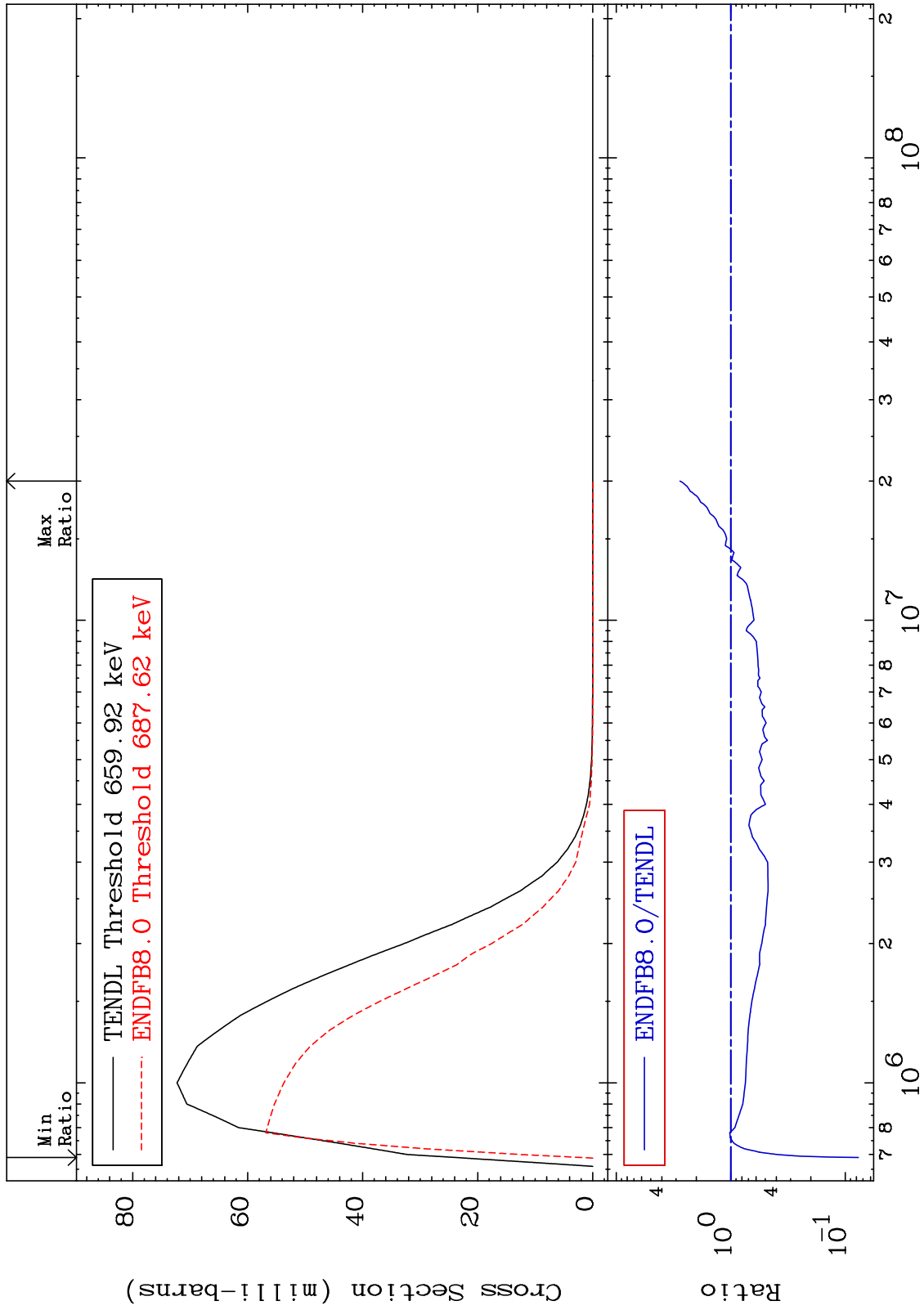
MAT 6440 MT= 73 (n,n') Level Cross Section 64-Gd-157 -100.0 To -69.26%



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



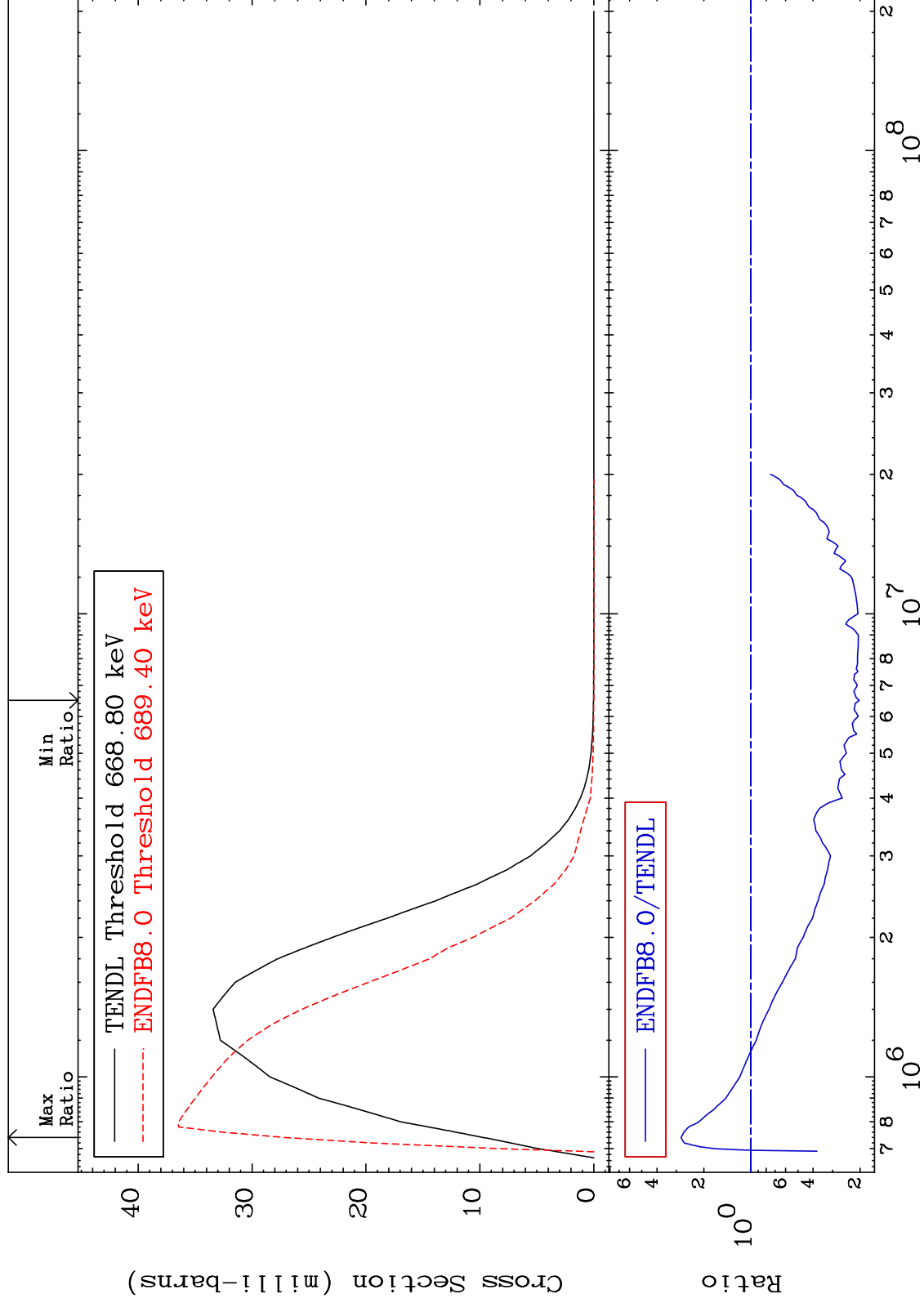
MAT 6440 MT= 75 (n,n') Level Cross Section 64-Gd-157
 -92.33 To 177.0 %



MAT 6440

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

64-Gd-157
-79.76 To 180.4 %



35

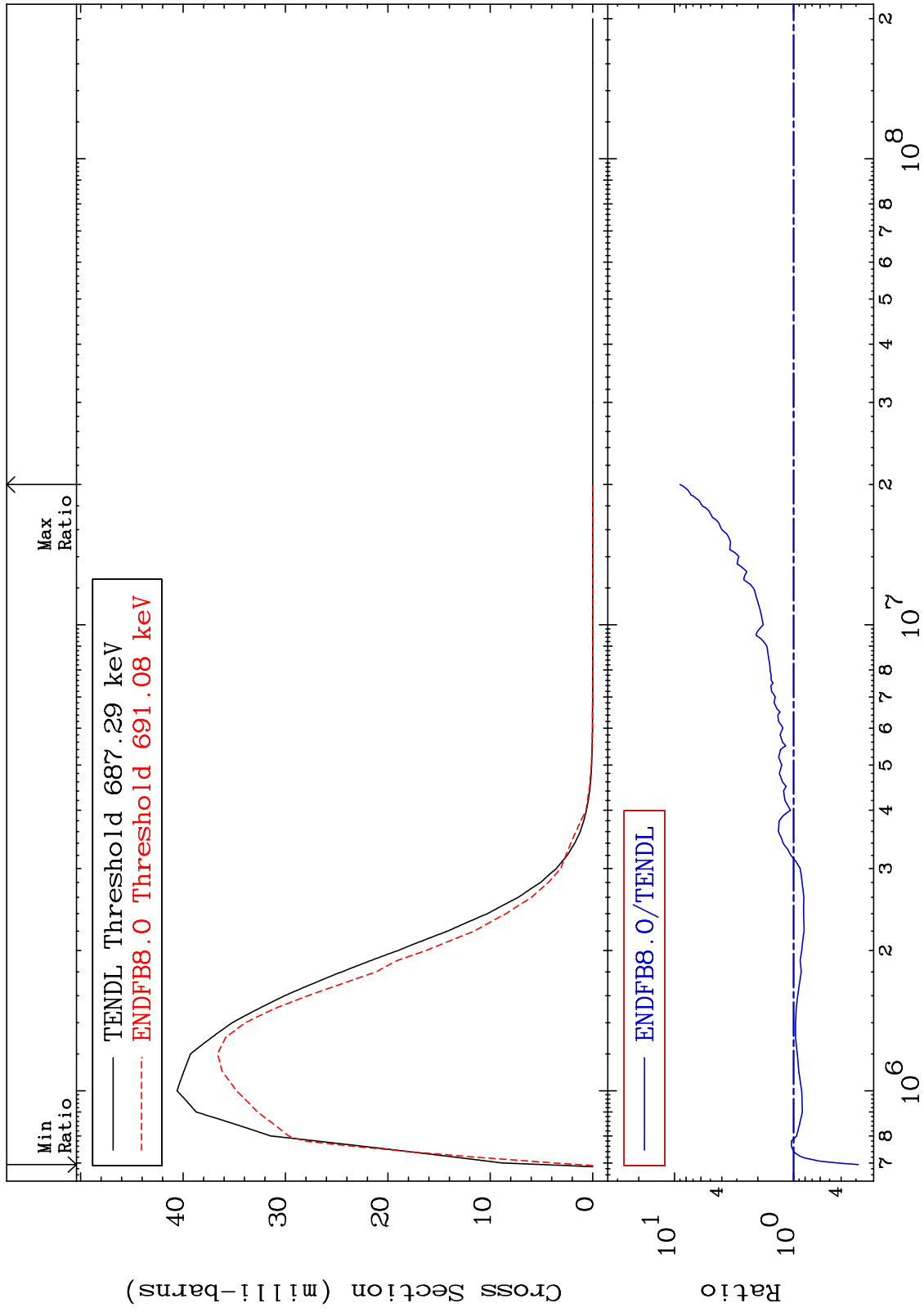
Incident Energy (eV)

64-Gd-157

MAT 6440

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

64-Gd-157
-71.38 To 798.8 %



36

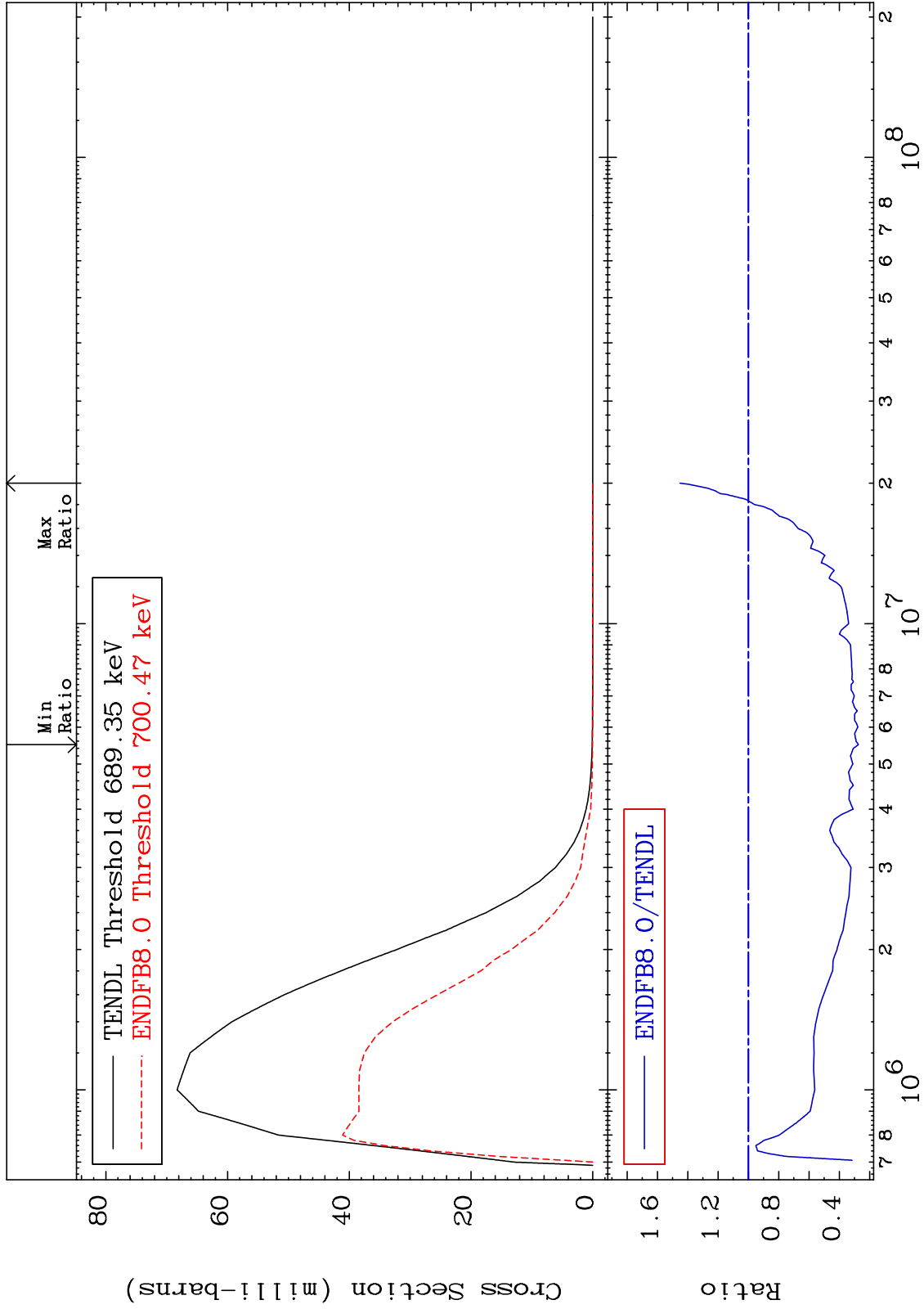
Incident Energy (eV)

64-Gd-157

MAT 6440

MT= 78 (n,n') Level
Cross Section

64-Gd-157
-72.58 To 45.11 %

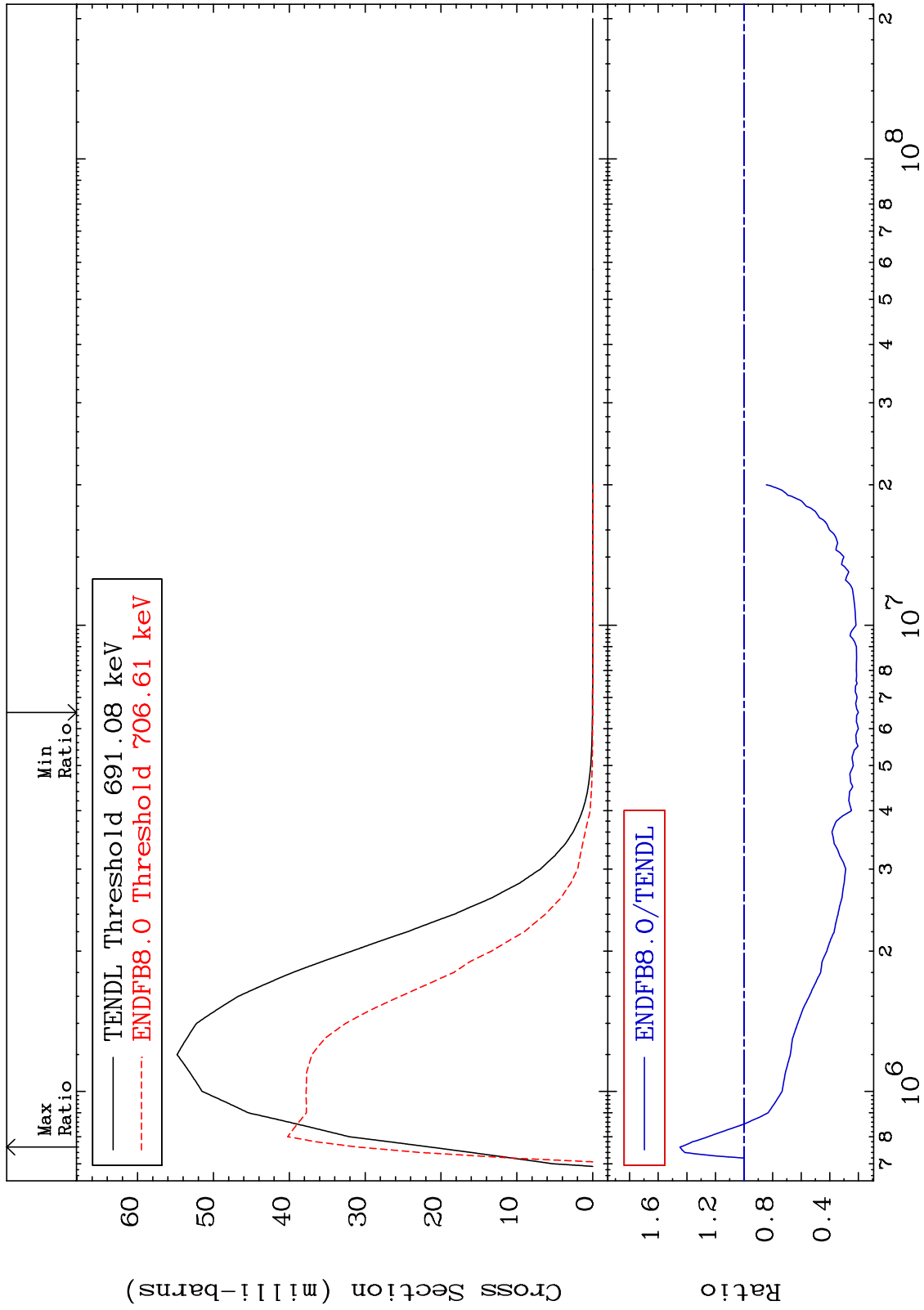


37

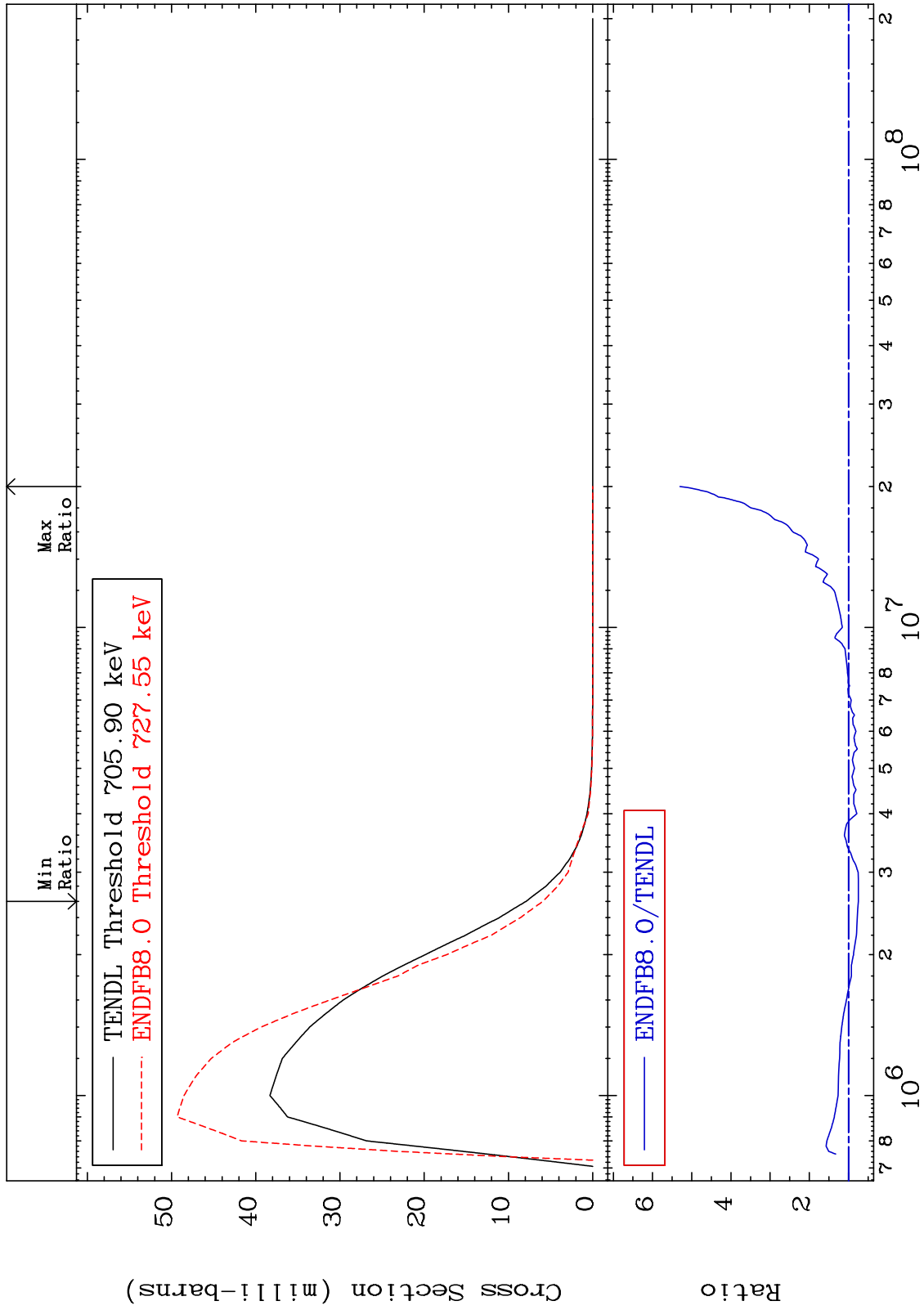
Incident Energy (eV)

64-Gd-157

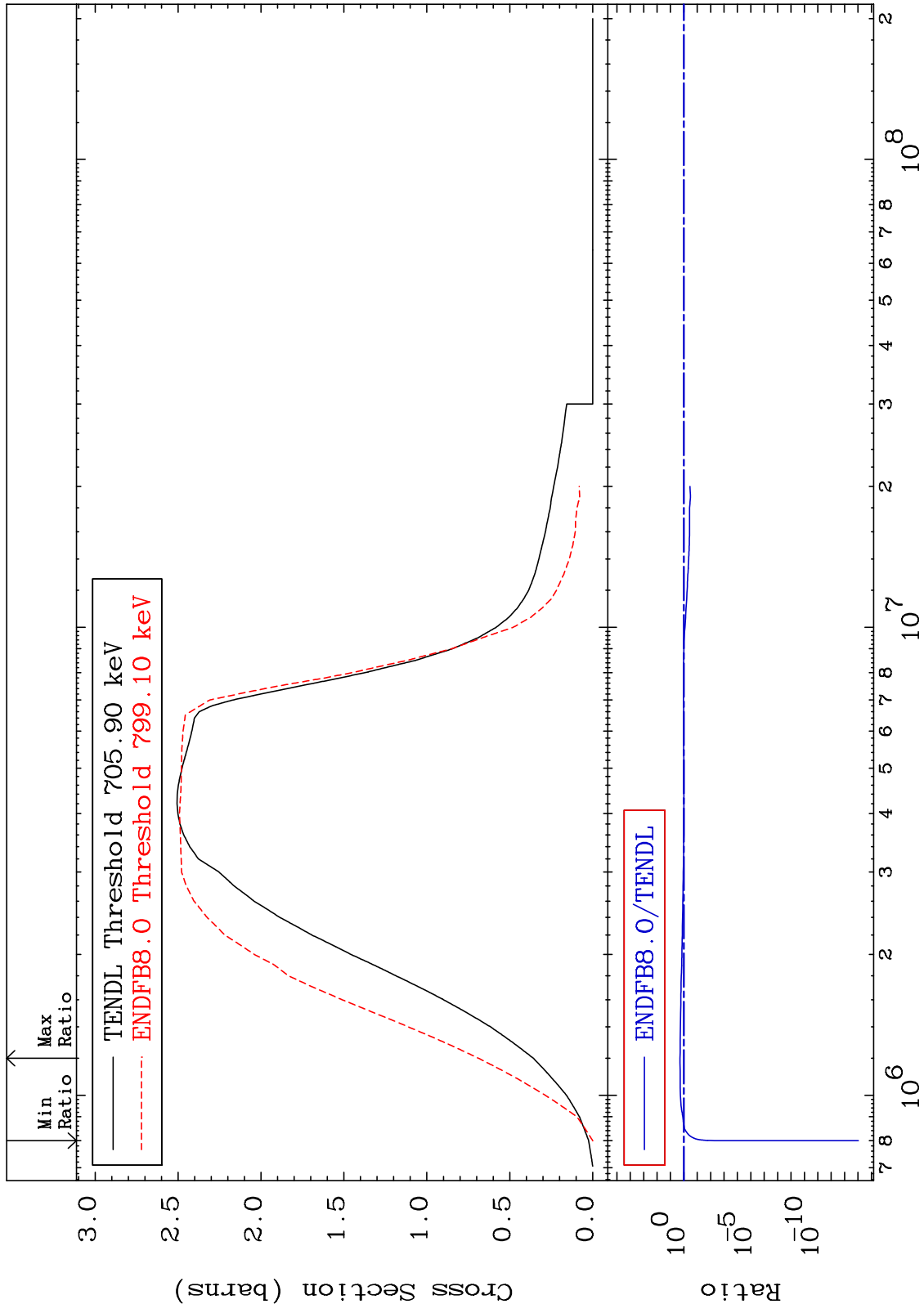
MAT 6440 MT= 79 (n,n') Level Cross Section 64-Gd-157
 -80.09 To 44.76 %



MAT 6440 MT= 80 (n,n') Level Cross Section 64-Gd-157
-25.31 To 429.9 %



MAT 6440 (n, n') Continuum Cross Section 64-Gd-157 -100.0 To 92.40 %

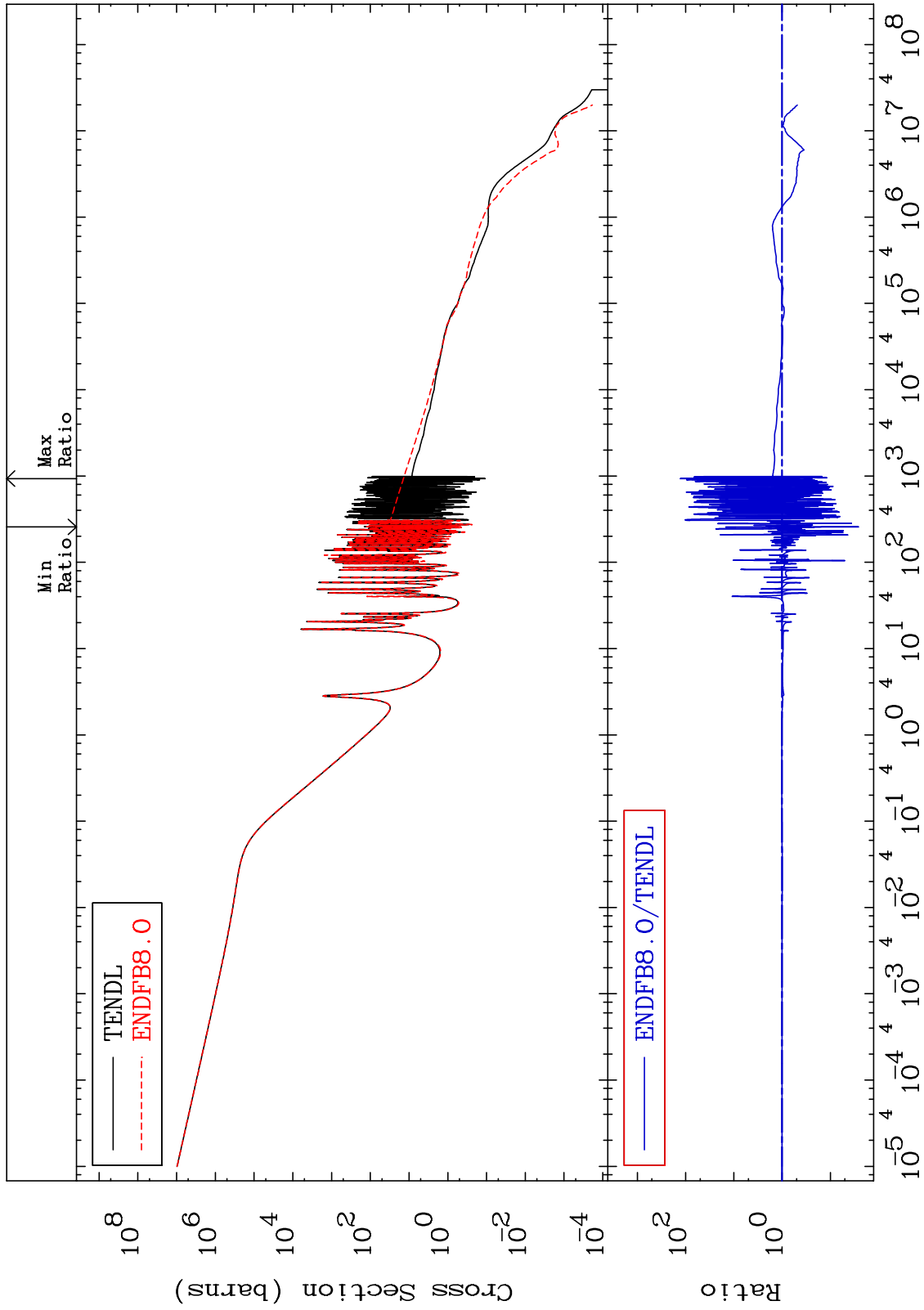


40 64-Gd-157

MAT 6440

(n, γ)
Cross Section

64-Gd-157
-97.38 To 9999. %



41

Incident Energy (eV)

64-Gd-157

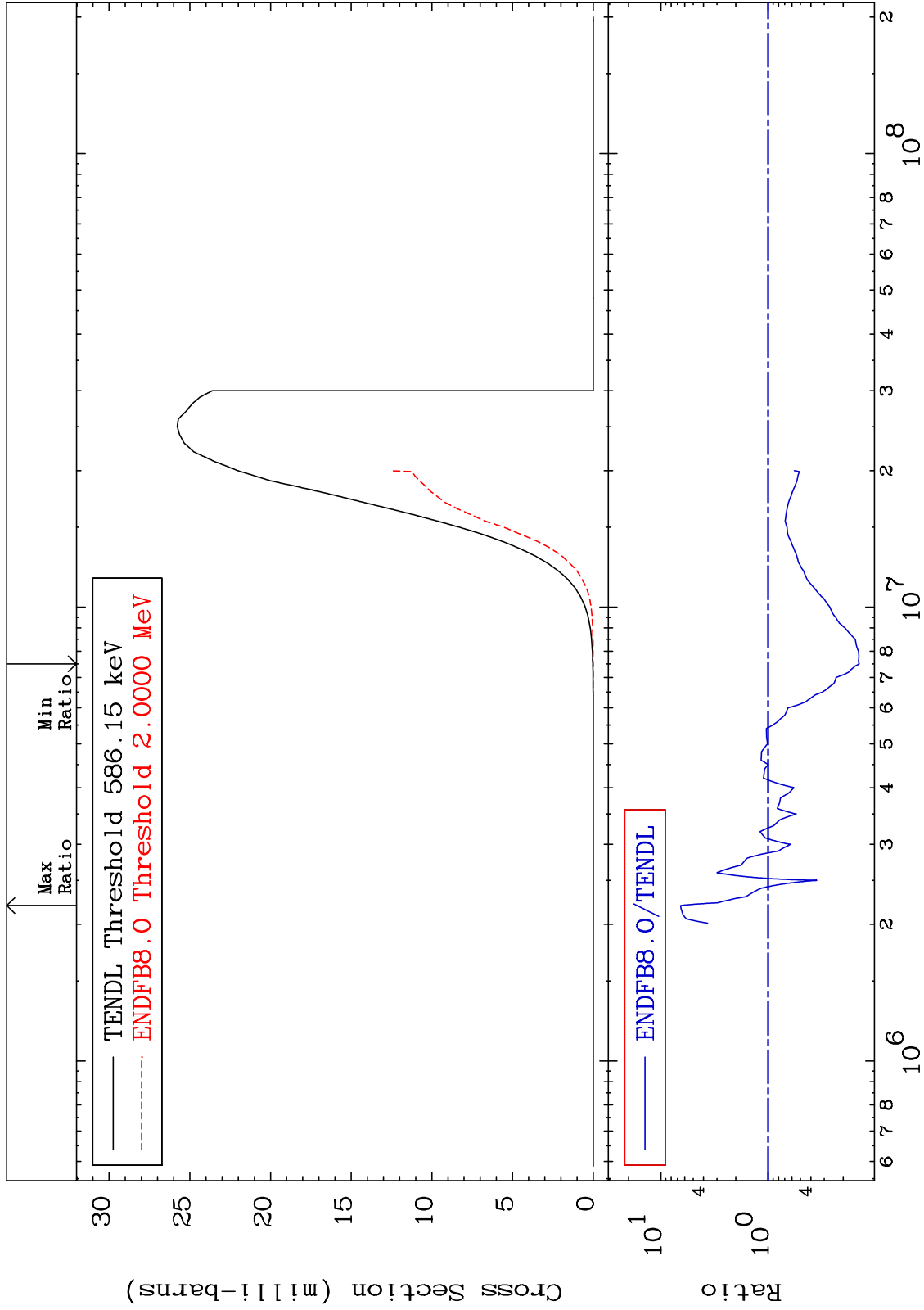
MAT 6440

(n,p)

64-Gd-157

Cross Section

-85.82 To 553.7 %



42

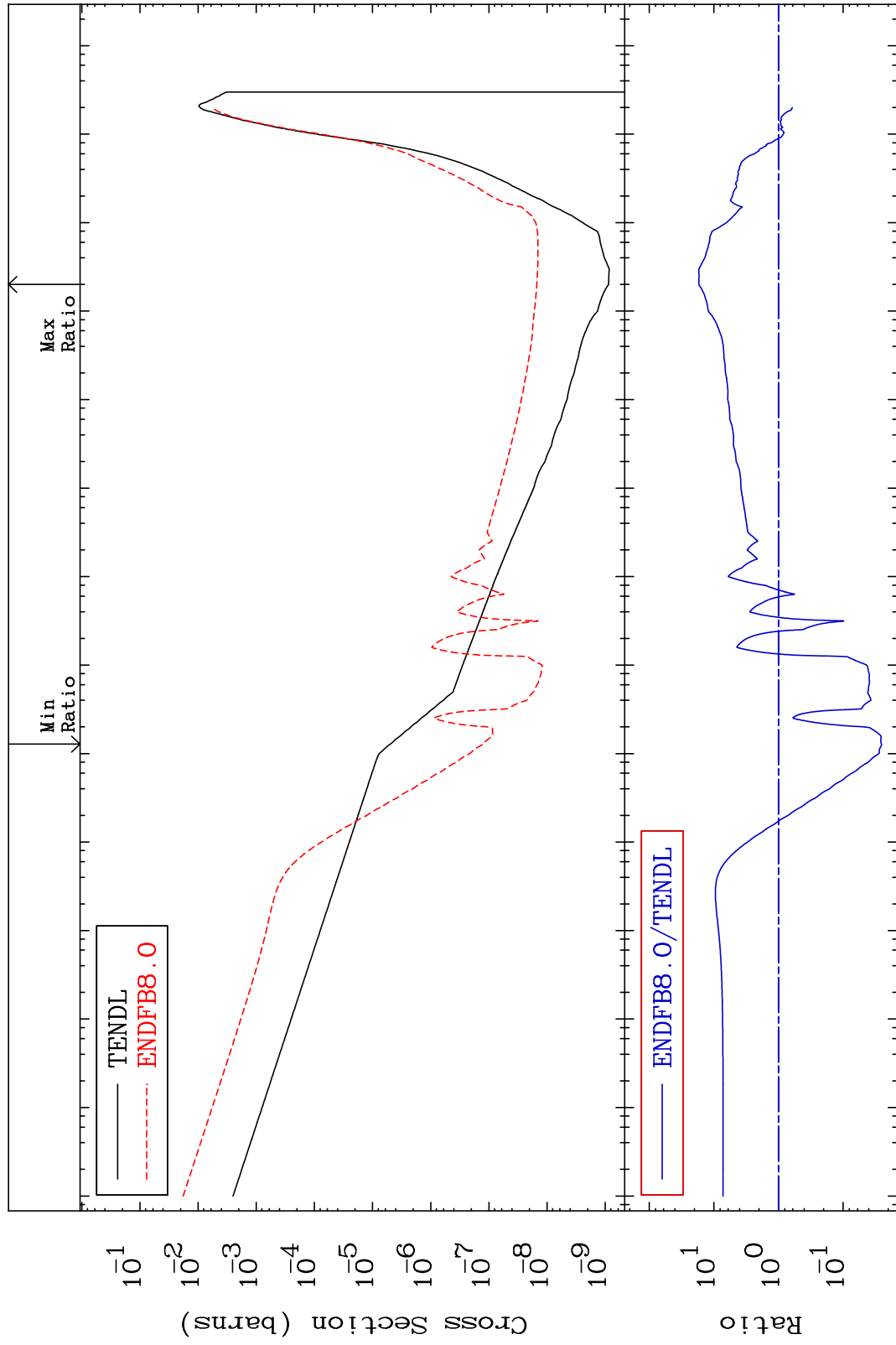
64-Gd-157

64-Gd-157

MAT 6440

(n, α)
Cross Section

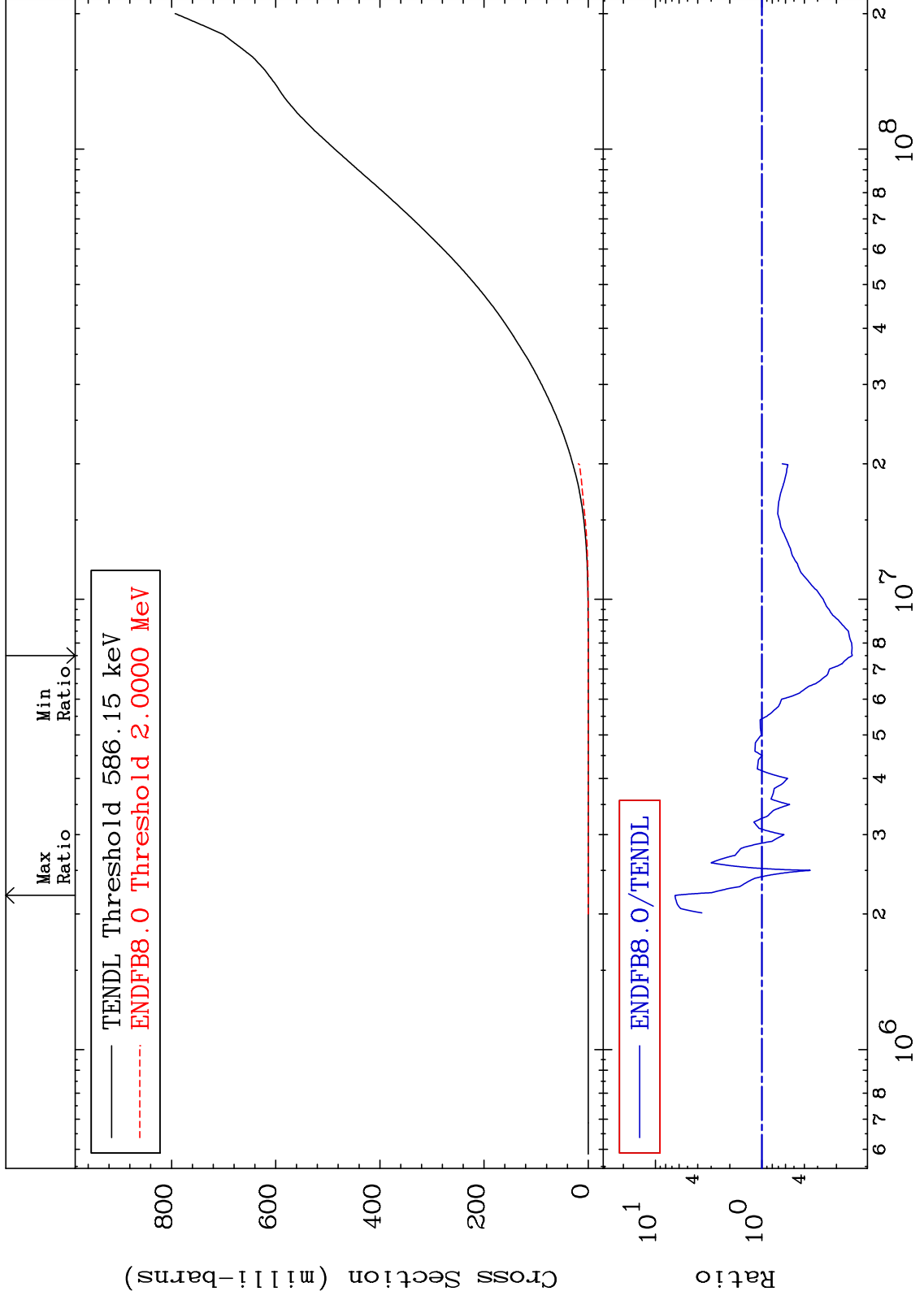
64-Gd-157
-97.45 To 1615. %



MAT 6440

Hydrogen Production
Cross Section

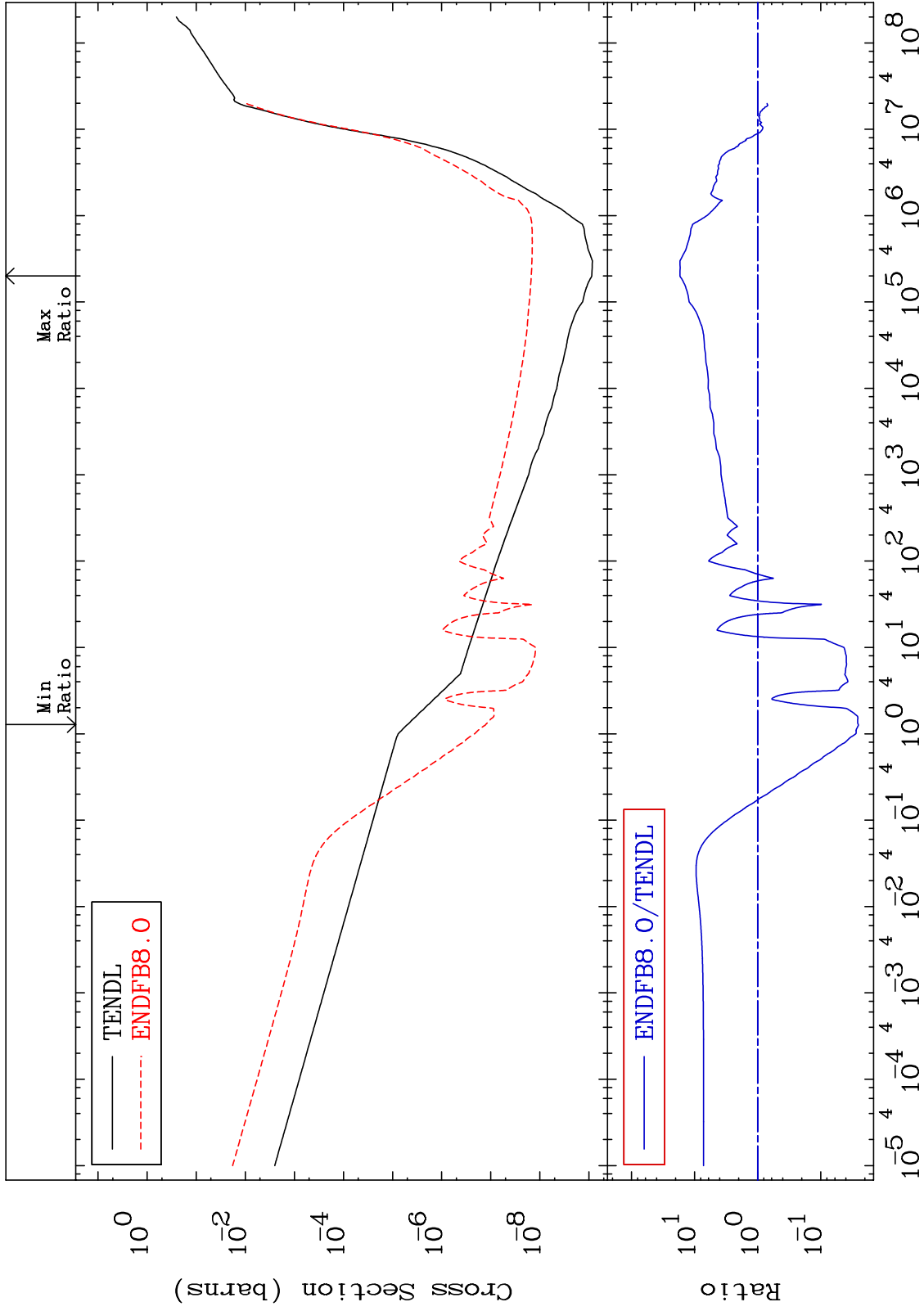
64-Gd-157
-85.82 To 553.7 %



MAT 6440

He-4 Production
Cross Section

64-Gd-157
-97.45 To 1615. %



45

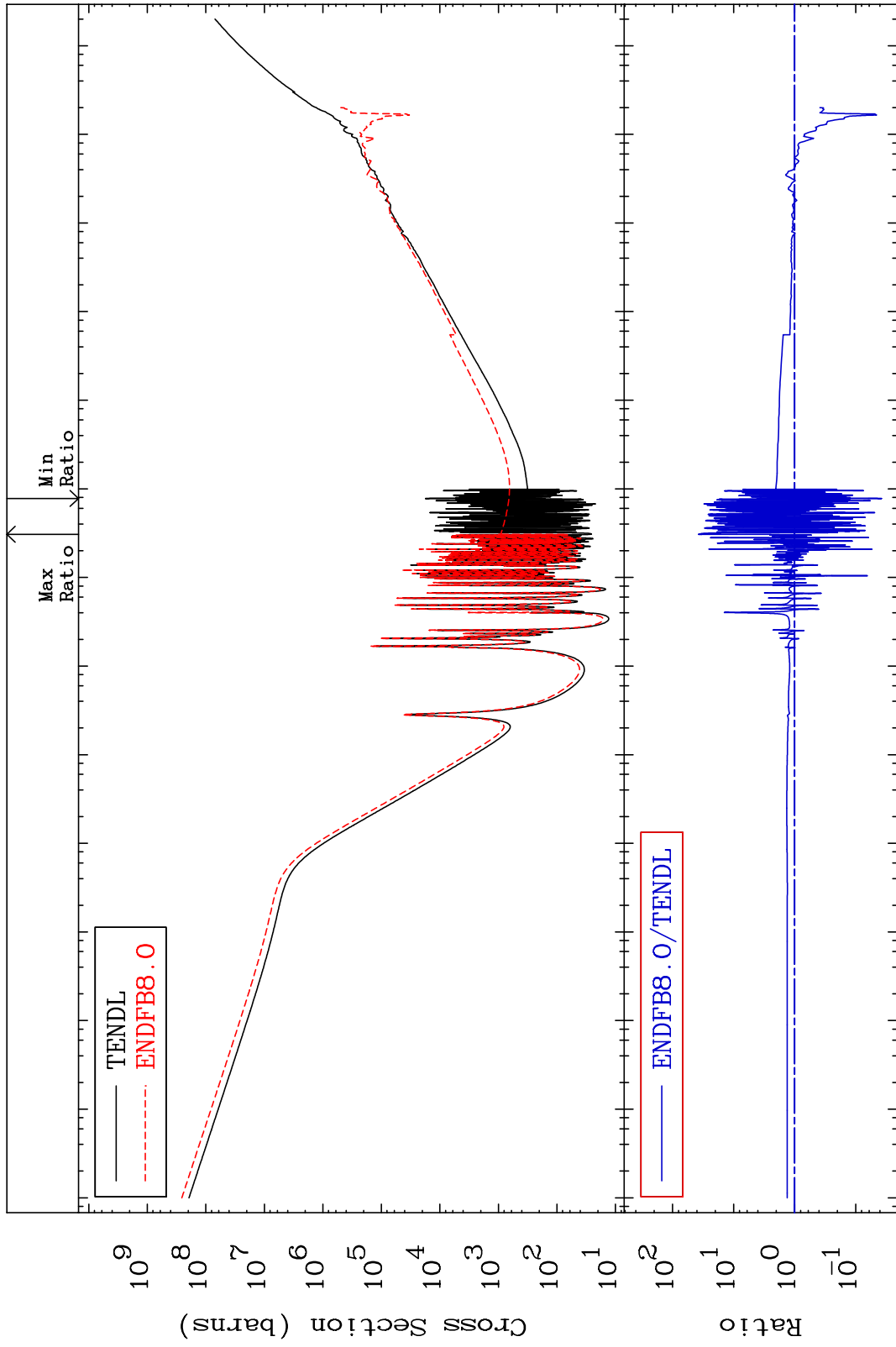
Incident Energy (eV)

64-Gd-157

MAT 6440

Kerma total (eV-barns)
Cross Section

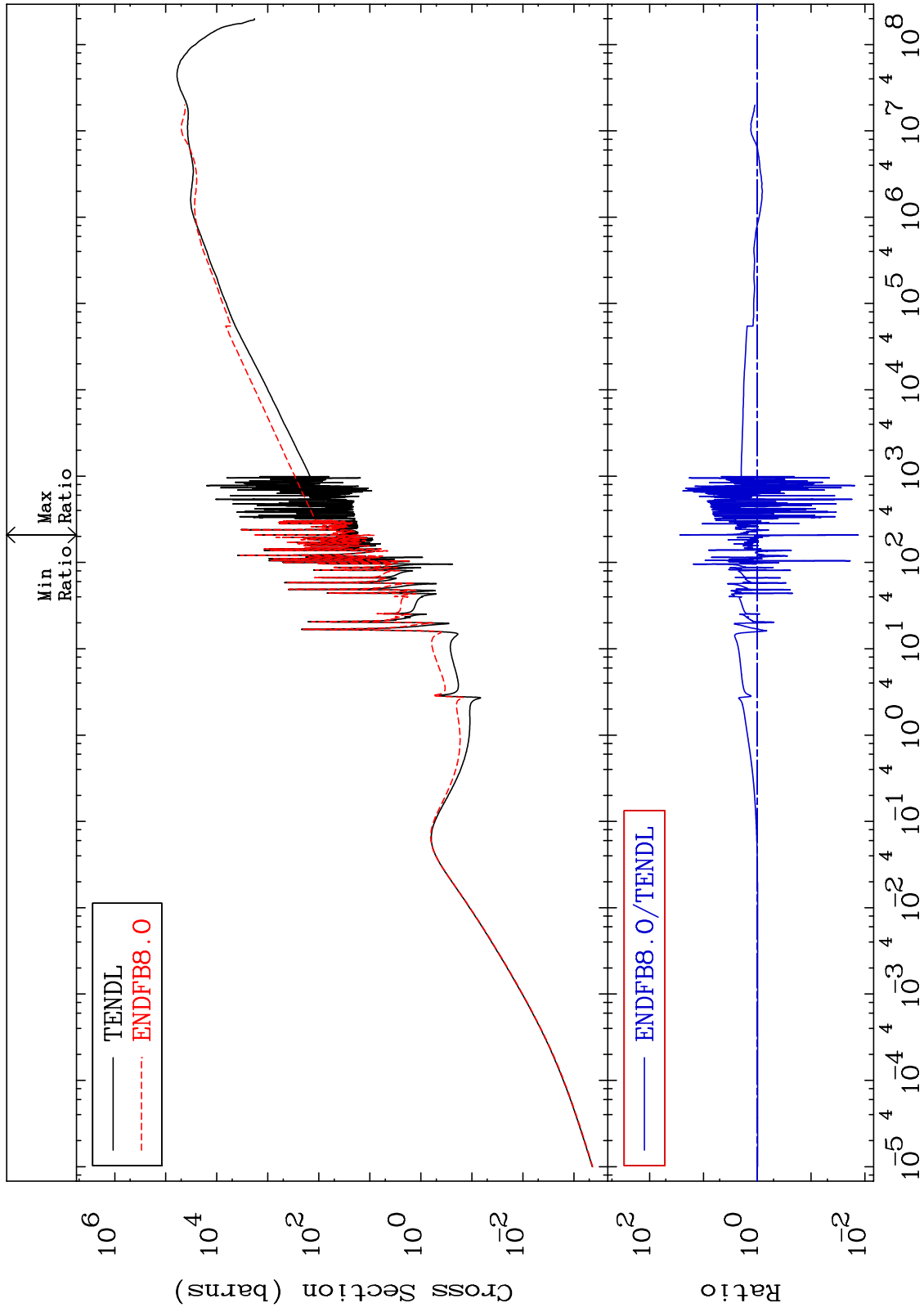
64-Gd-157
-96.23 To 3688. %



MAT 6440

Kerma elastic
Cross Section

64-Gd-157
-98.68 To 2625. %



47

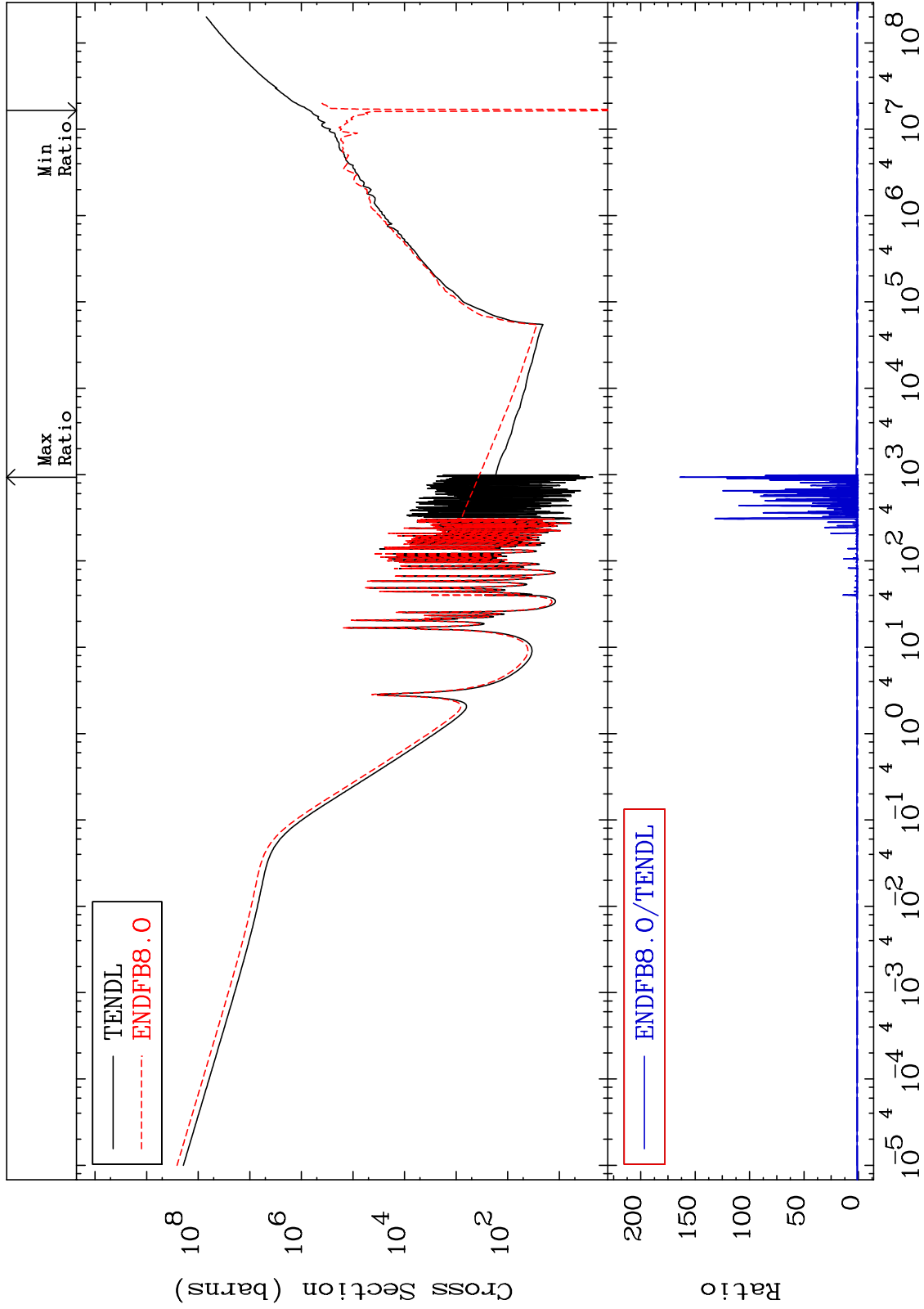
Incident Energy (eV)

64-Gd-157

MAT 6440

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-157
-101.3 To 9999. %



48

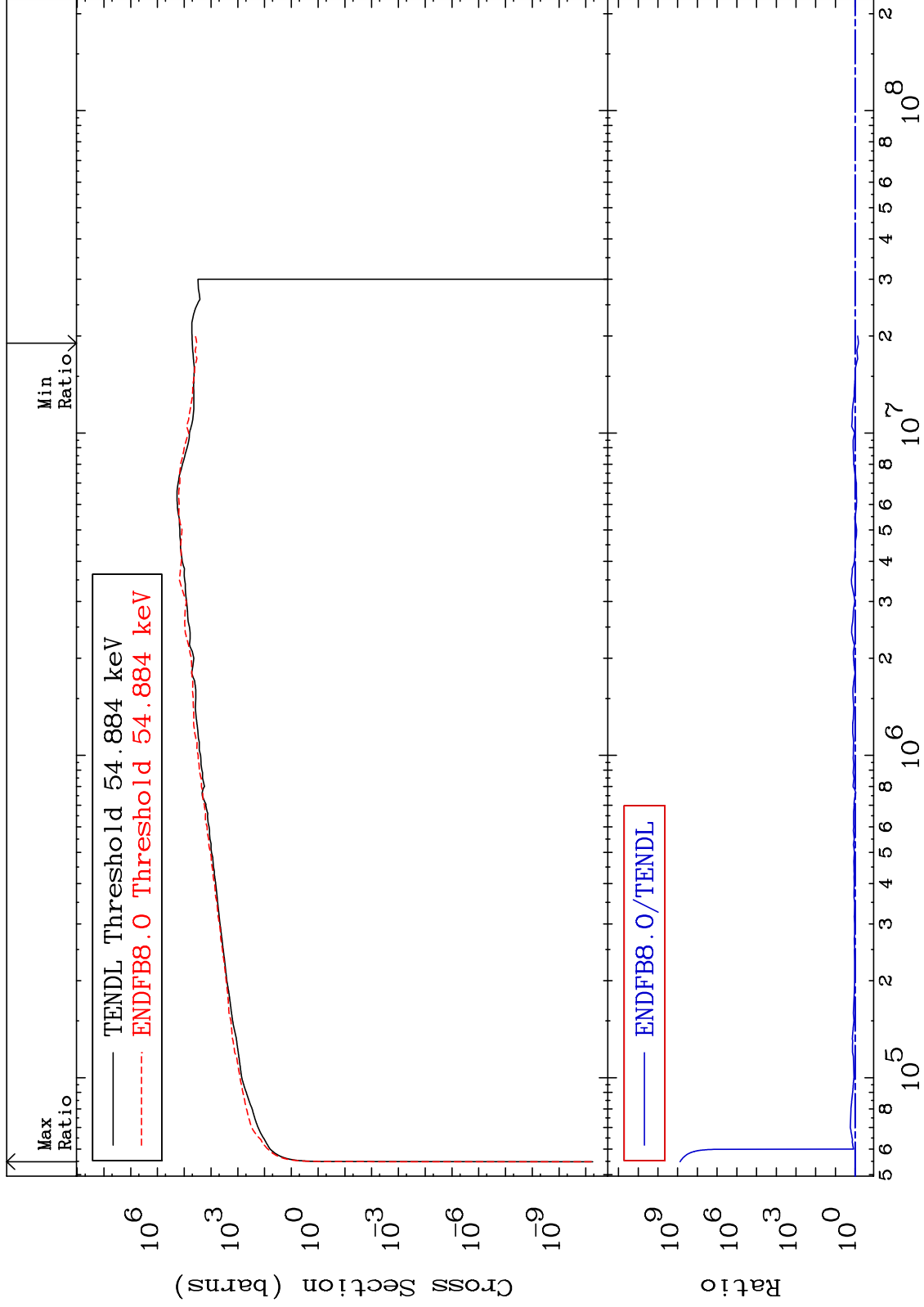
Incident Energy (eV)

64-Gd-157

MAT 6440

Kerma inelastic (mt51-91)
Cross Section

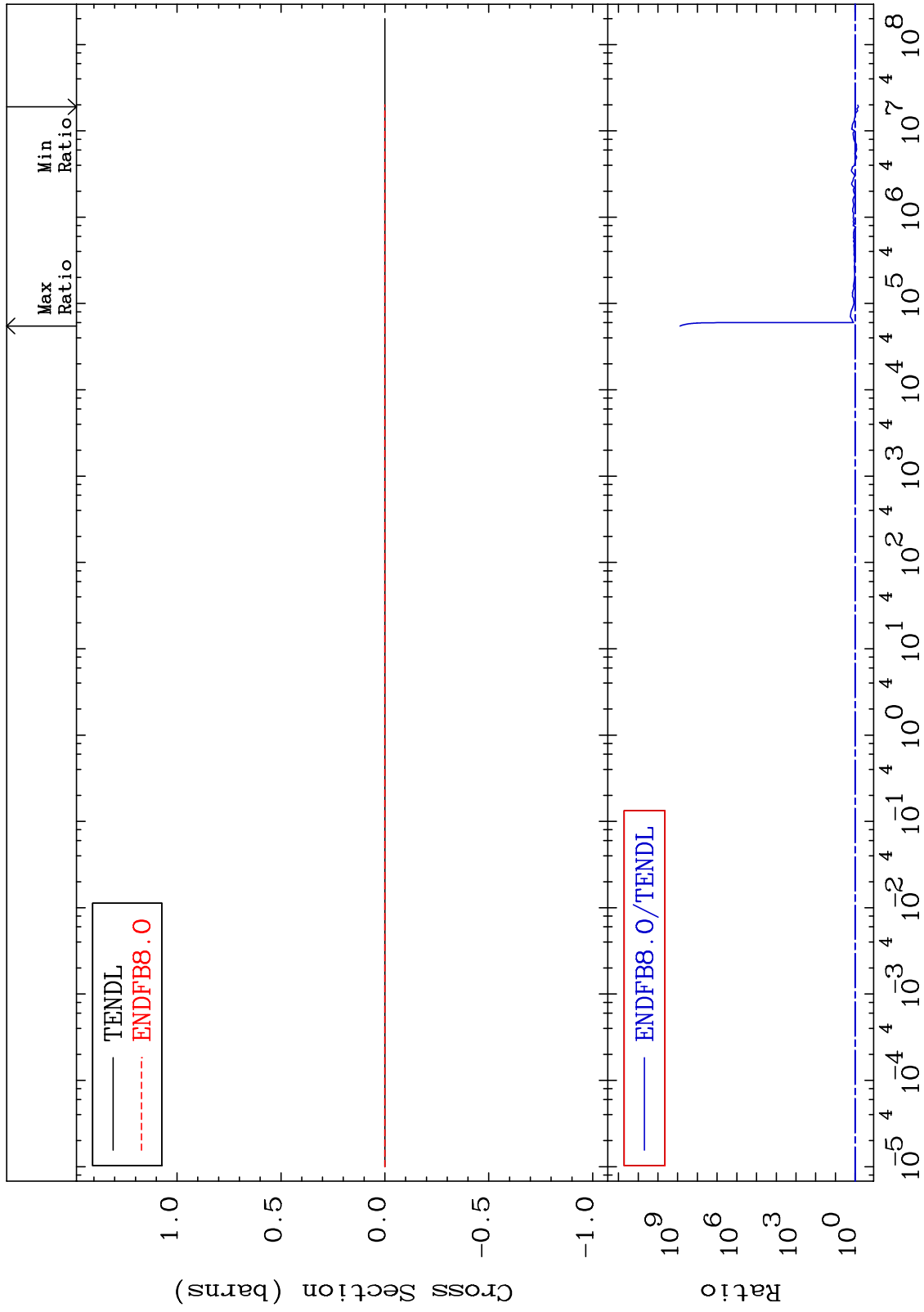
64-Gd-157
-31.74 To 9999. %



MAT 6440

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

64-Gd-157
-31.74 To 9999. %



50

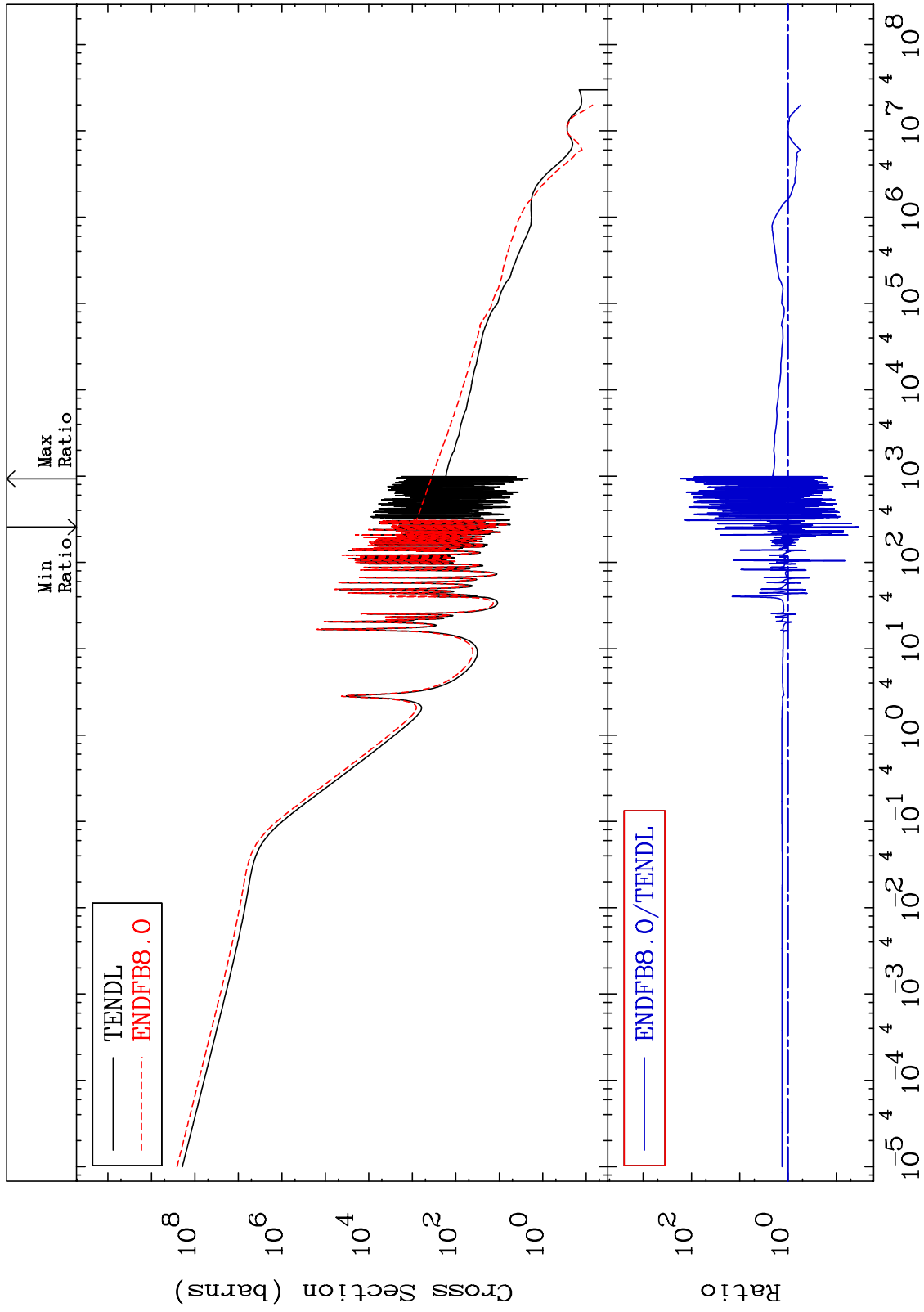
Incident Energy (eV)

64-Gd-157

MAT 6440

Kerma capture (mt102)
Cross Section

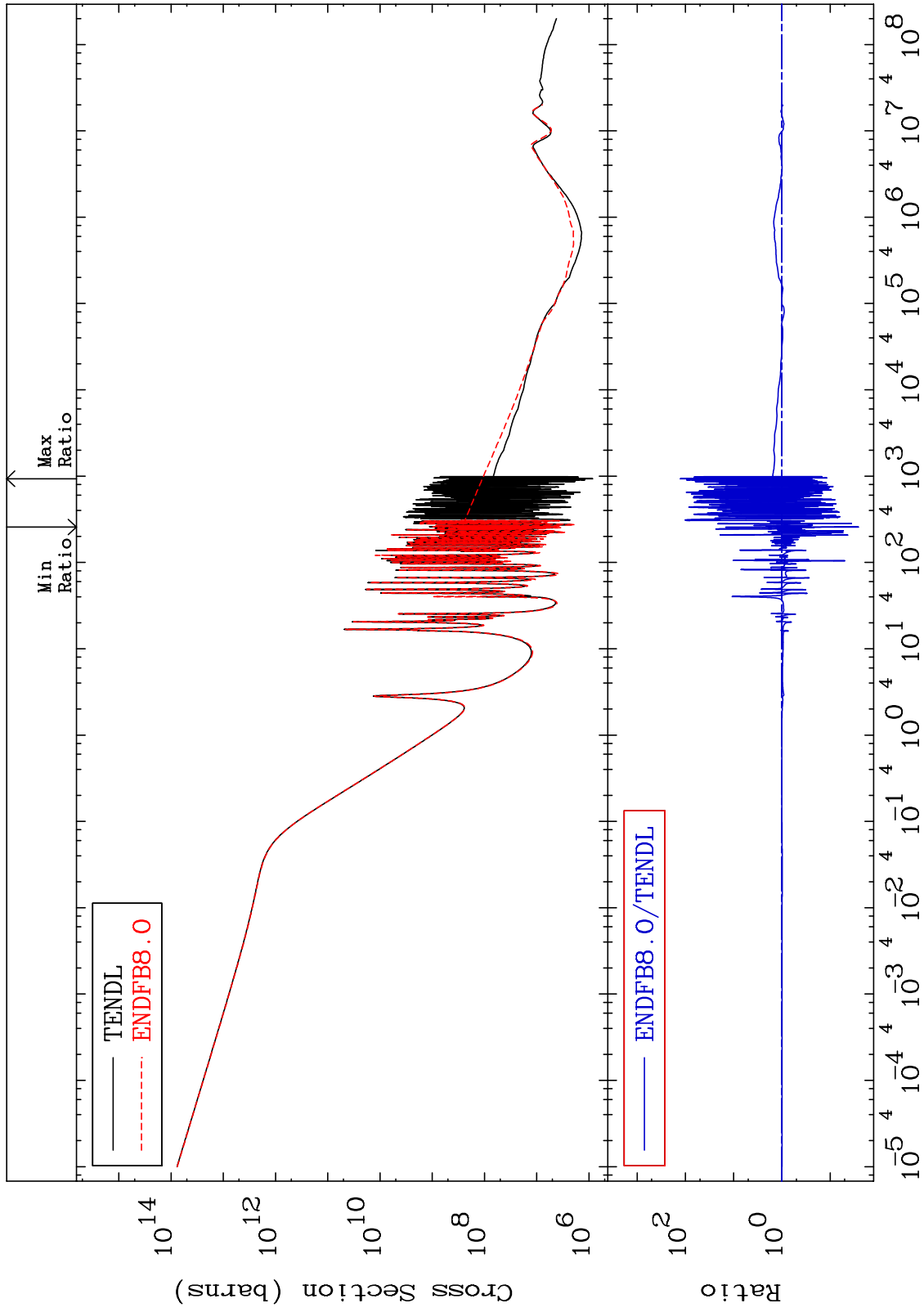
64-Gd-157
-96.53 To 9999. %



MAT 6440

Total photon (eV-barns)
Cross Section

64-Gd-157
-97.40 To 9999. %



52

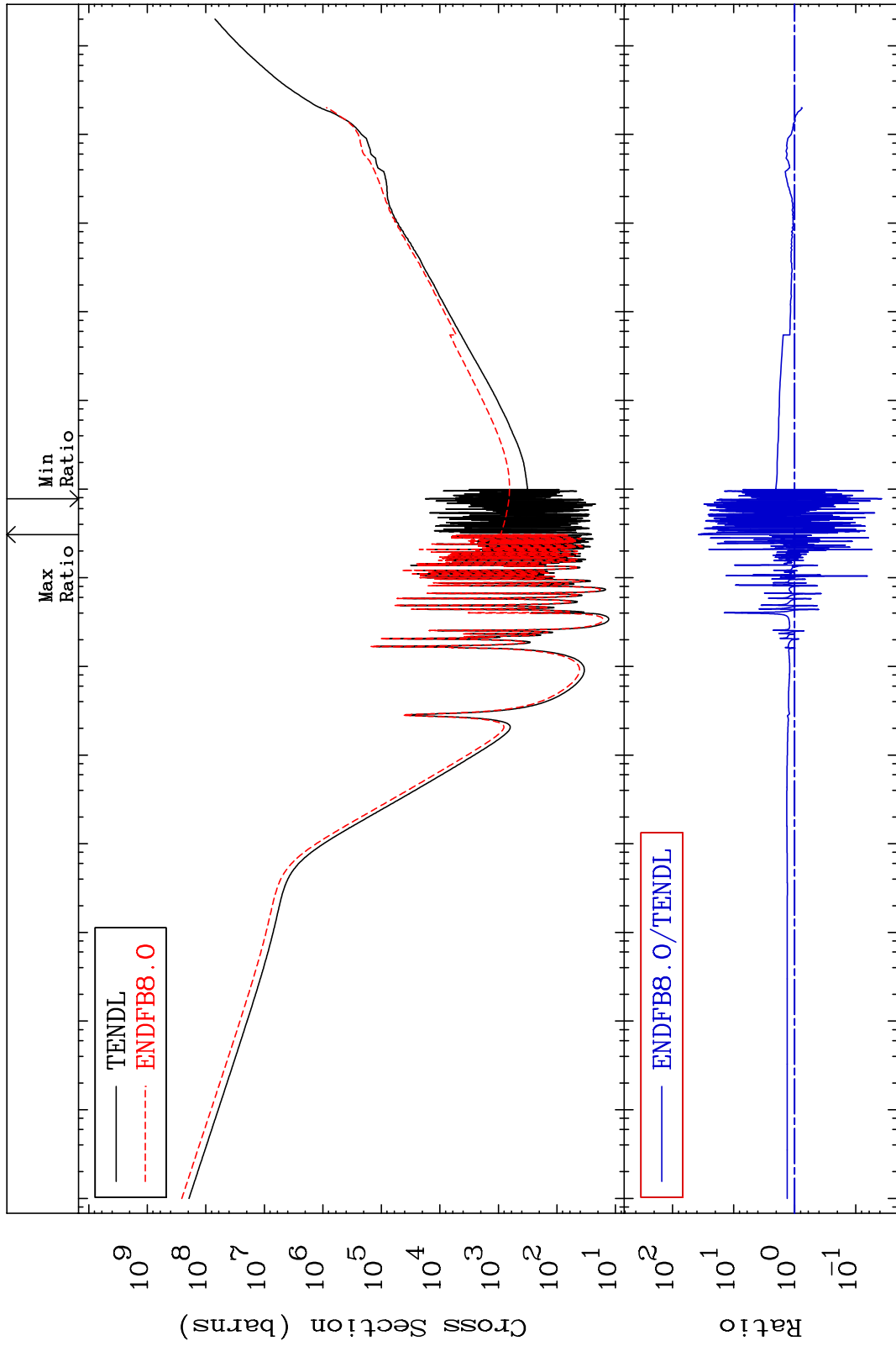
Incident Energy (eV)

64-Gd-157

MAT 6440

Total kinematic kerma (high limit)
Cross Section

64-Gd-157
-96.23 To 3687. %



53

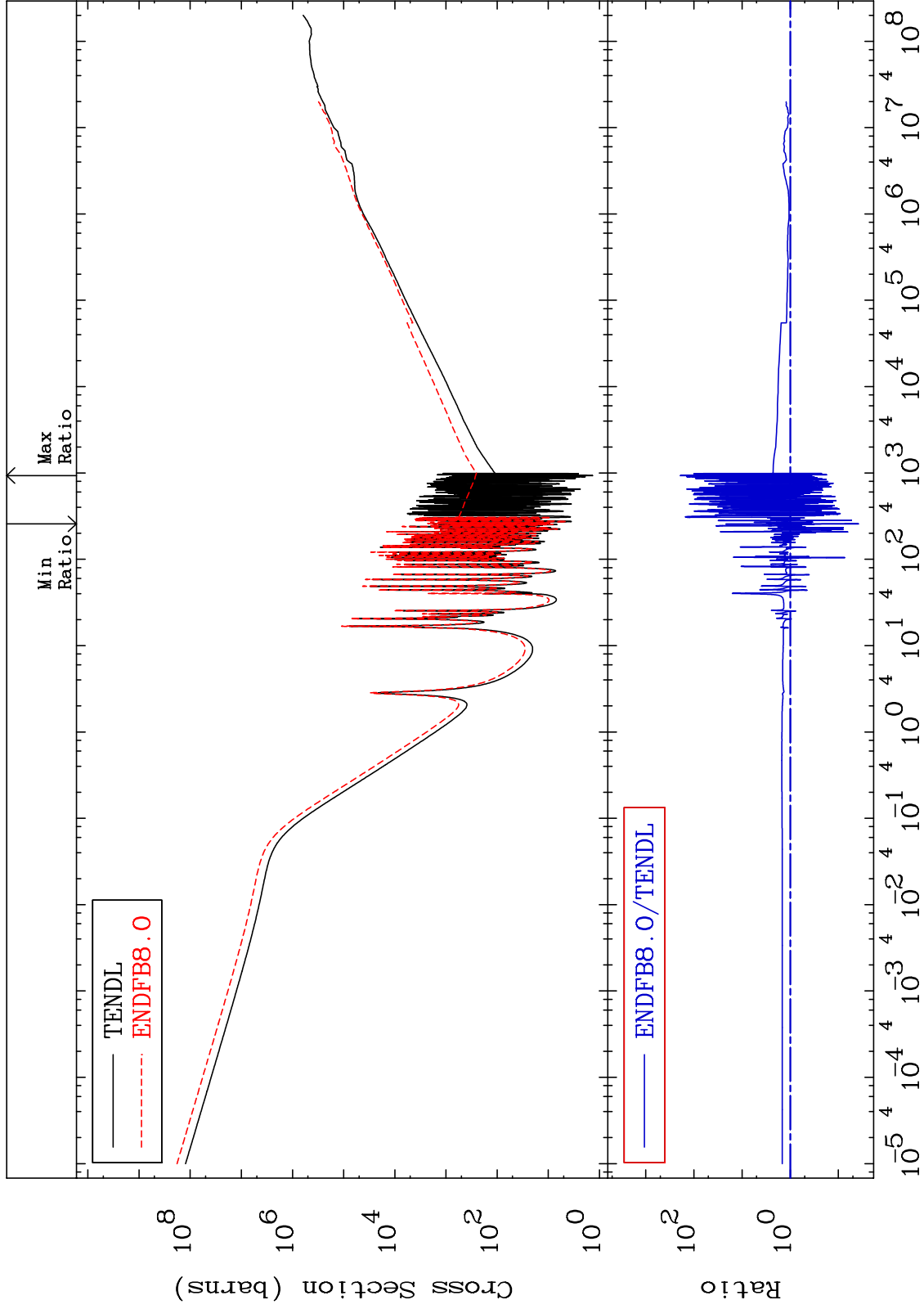
Incident Energy (eV)

64-Gd-157

MAT 6440

Dpa total (eV-barns)
Cross Section

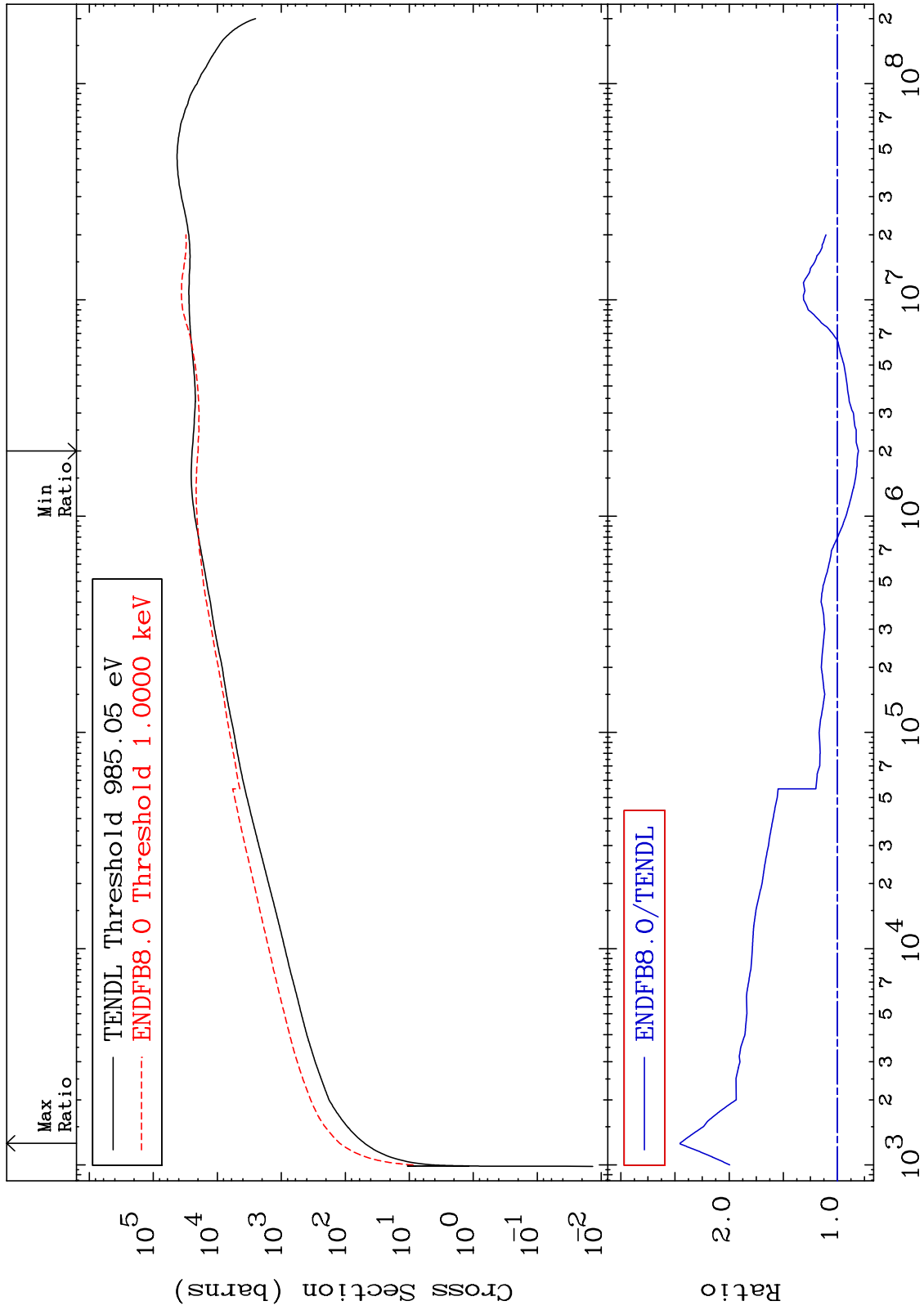
64-Gd-157
-96.16 To 9999. %



MAT 6440

Dpa elastic (mt2)
Cross Section

64-Gd-157
-19.33 To 145.4 %



55

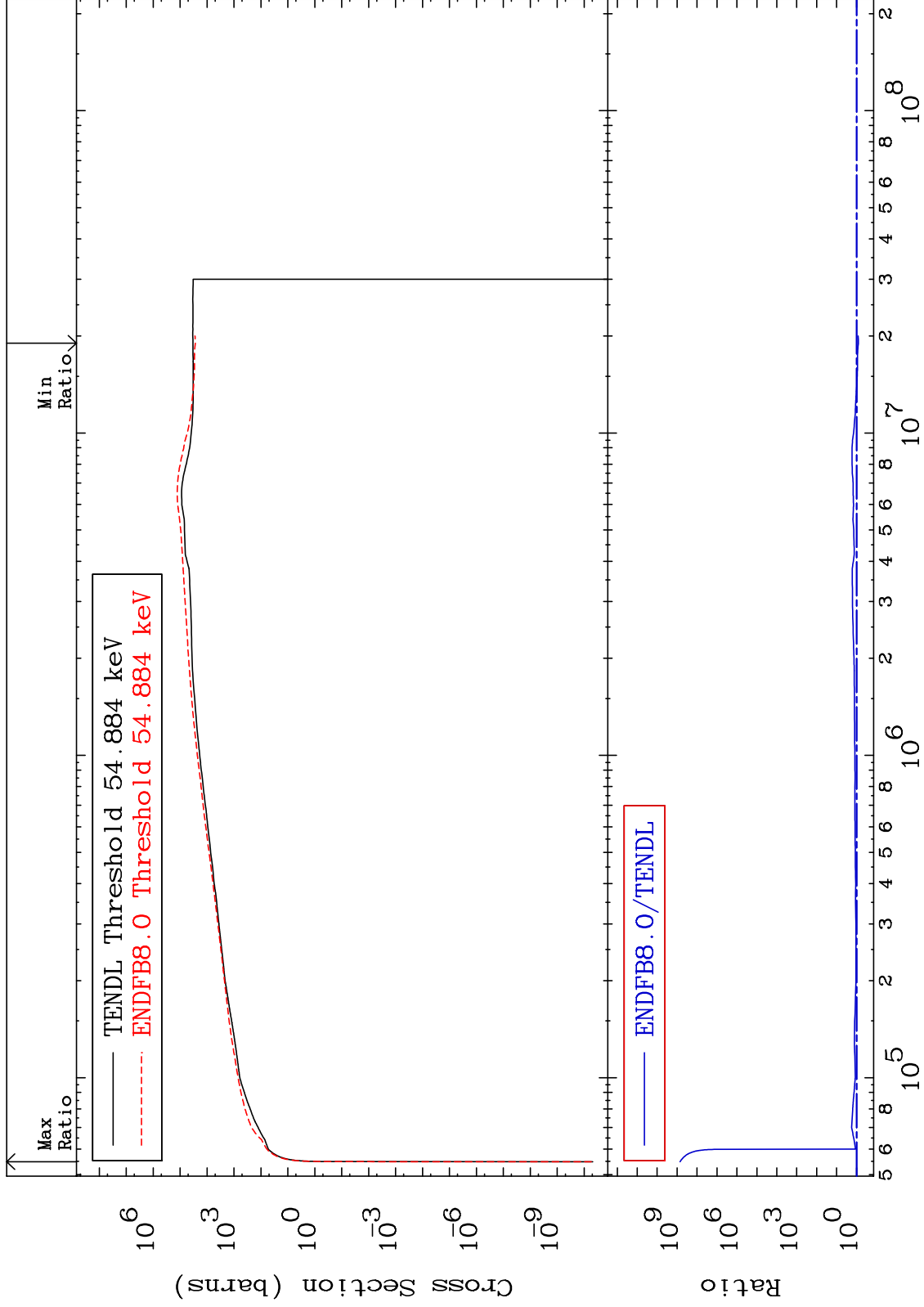
Incident Energy (eV)

64-Gd-157

MAT 6440

Dpa inelastic (mt51-91)
Cross Section

64-Gd-157
-19.44 To 9999. %



56

64-Gd-157

MAT 6440

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-157
-96.16 To 9999. %

