

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

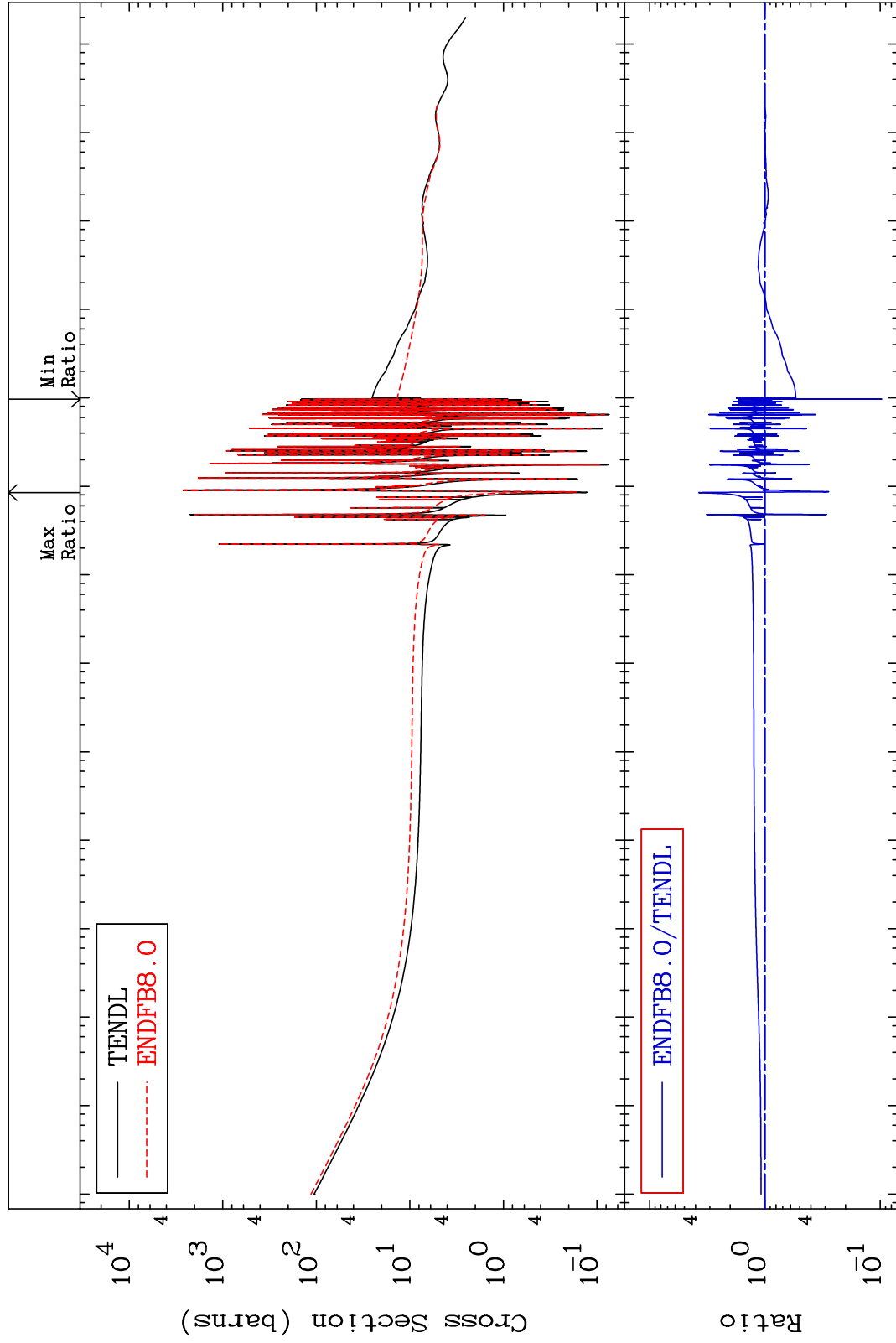
MAT 6449

Total

64-Gd-160

Cross Section

-90.27 To 275.3 %



Incident Energy (eV)

64-Gd-160

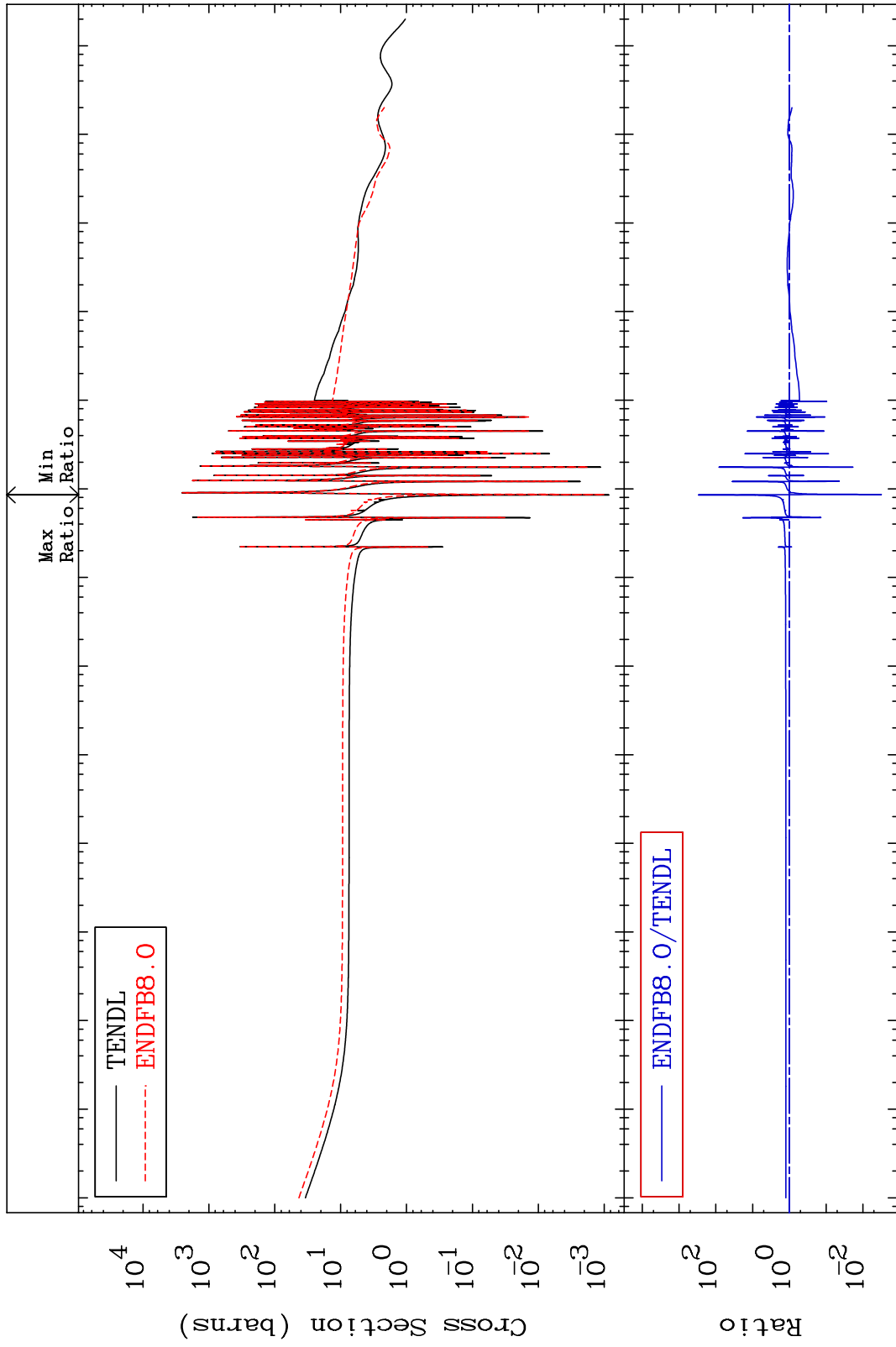
MAT 6449

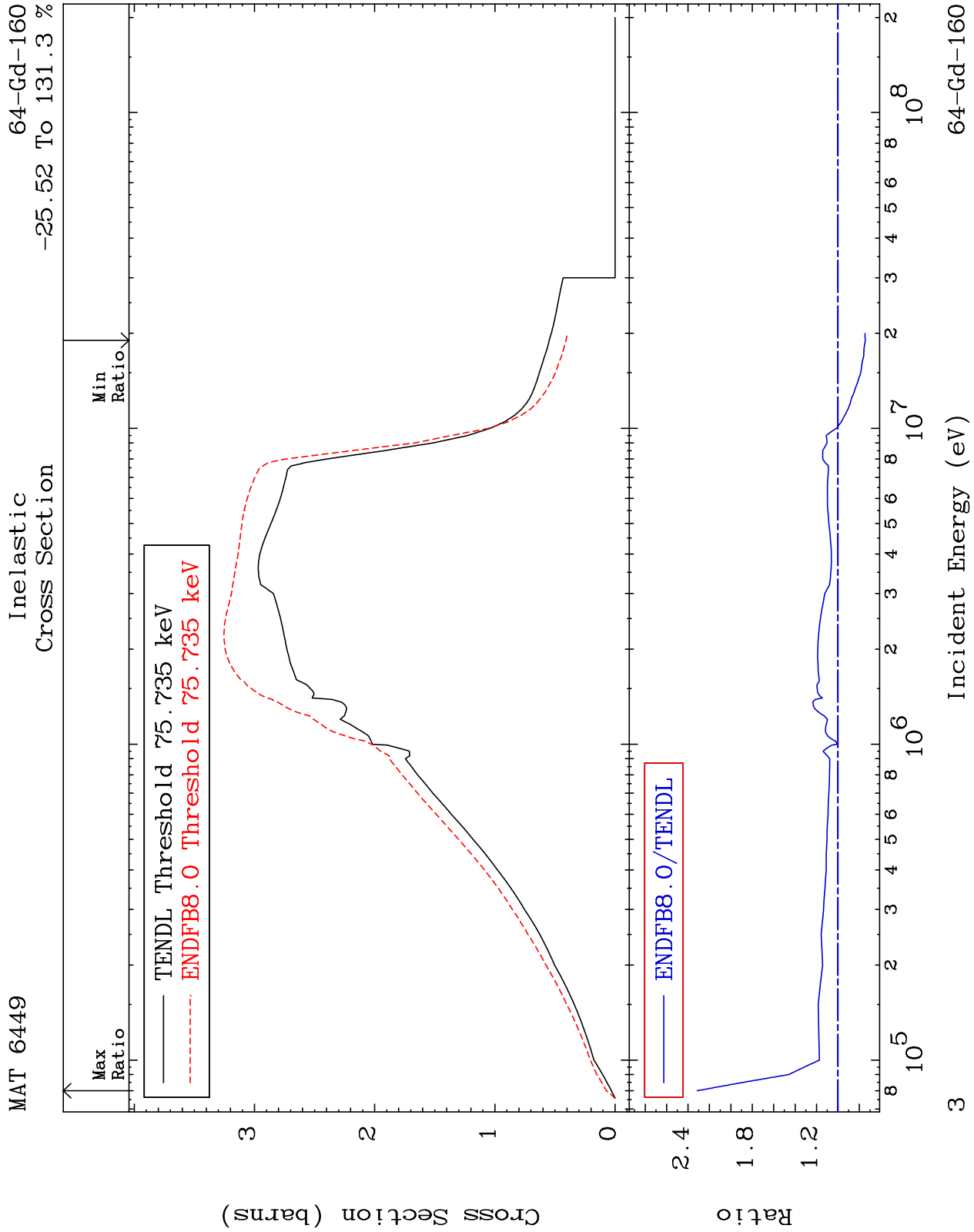
Elastic

64-Gd-160

Cross Section

-99.69 To 9999. %





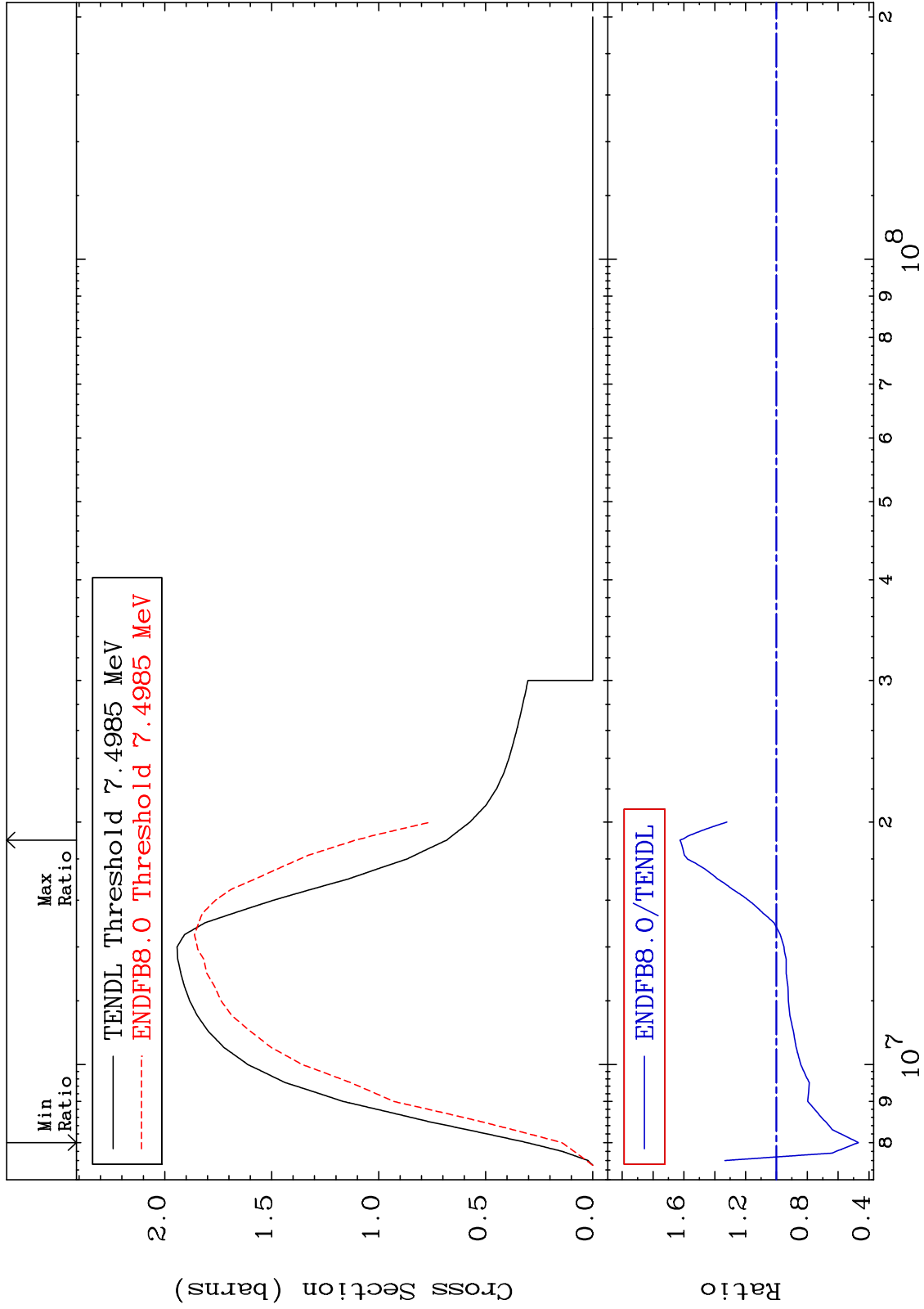
MAT 6449

(n,2n)

64-Gd-160

Cross Section

-53.14 To 62.52 %



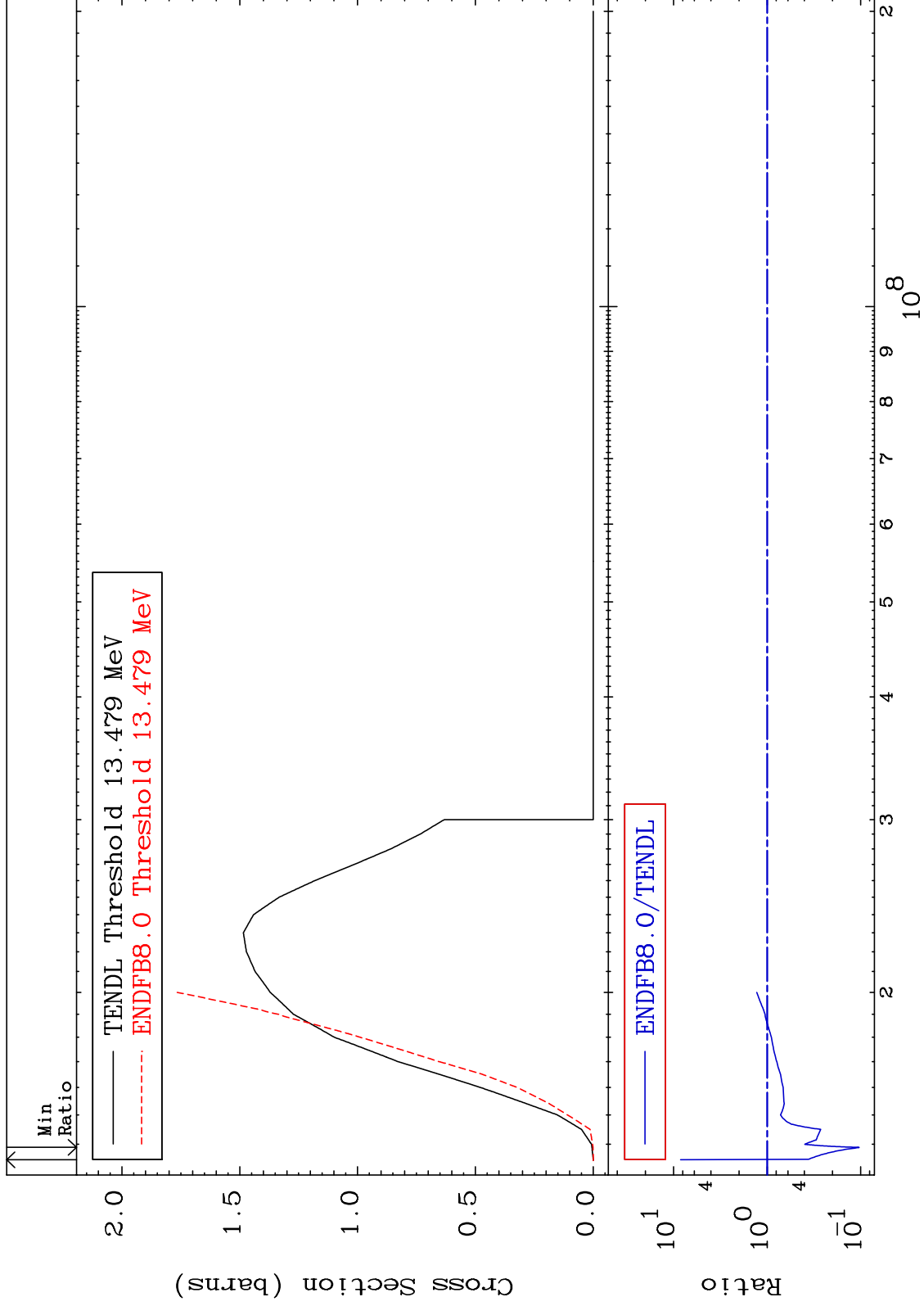
MAT 6449

(n,3n)

64-Gd-160

Cross Section

-89.63 To 741.3 %



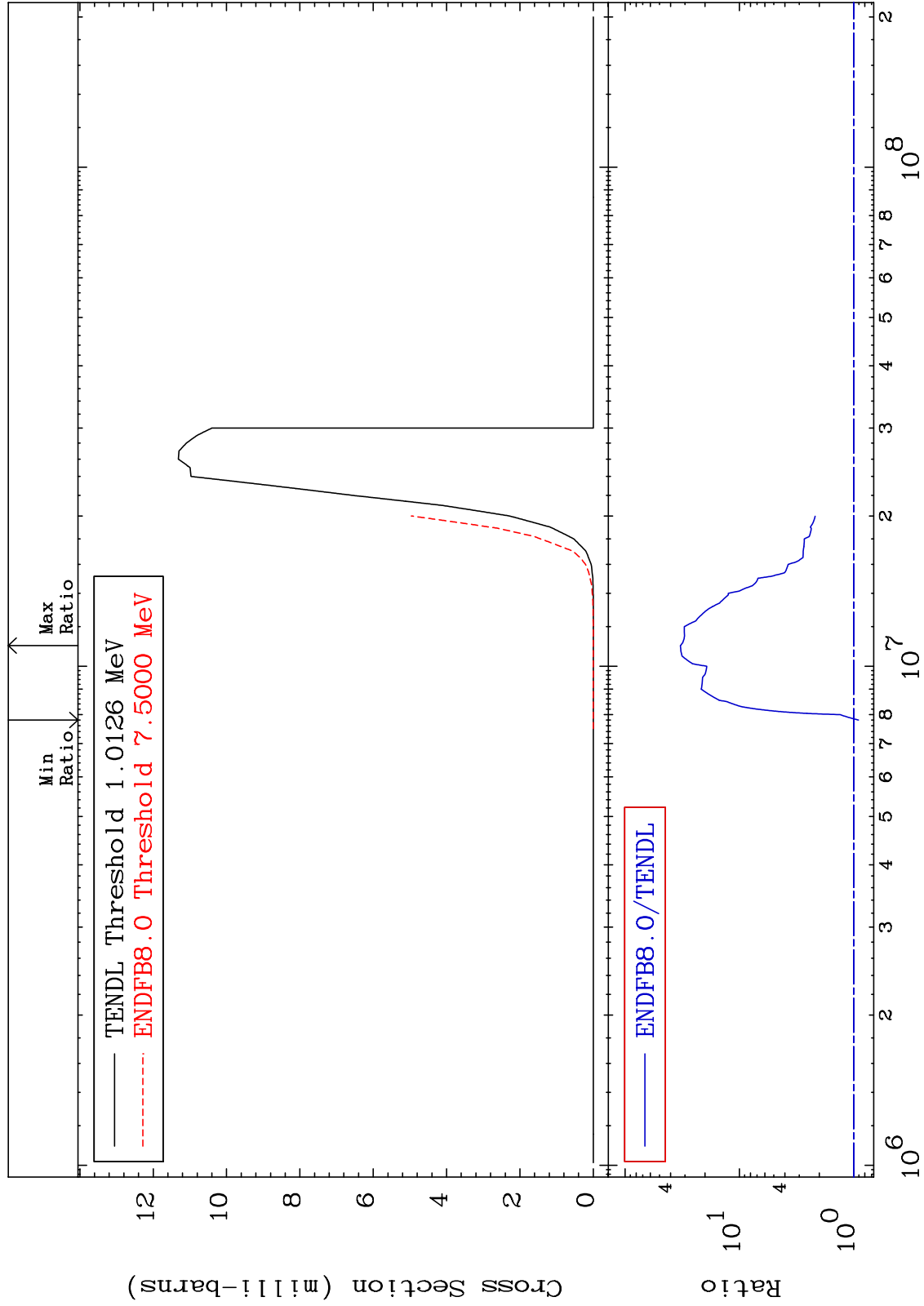
MAT 6449

(n, n') α

64-Gd-160

-9.160 To 3178. %

Cross Section



Incident Energy (eV)

64-Gd-160

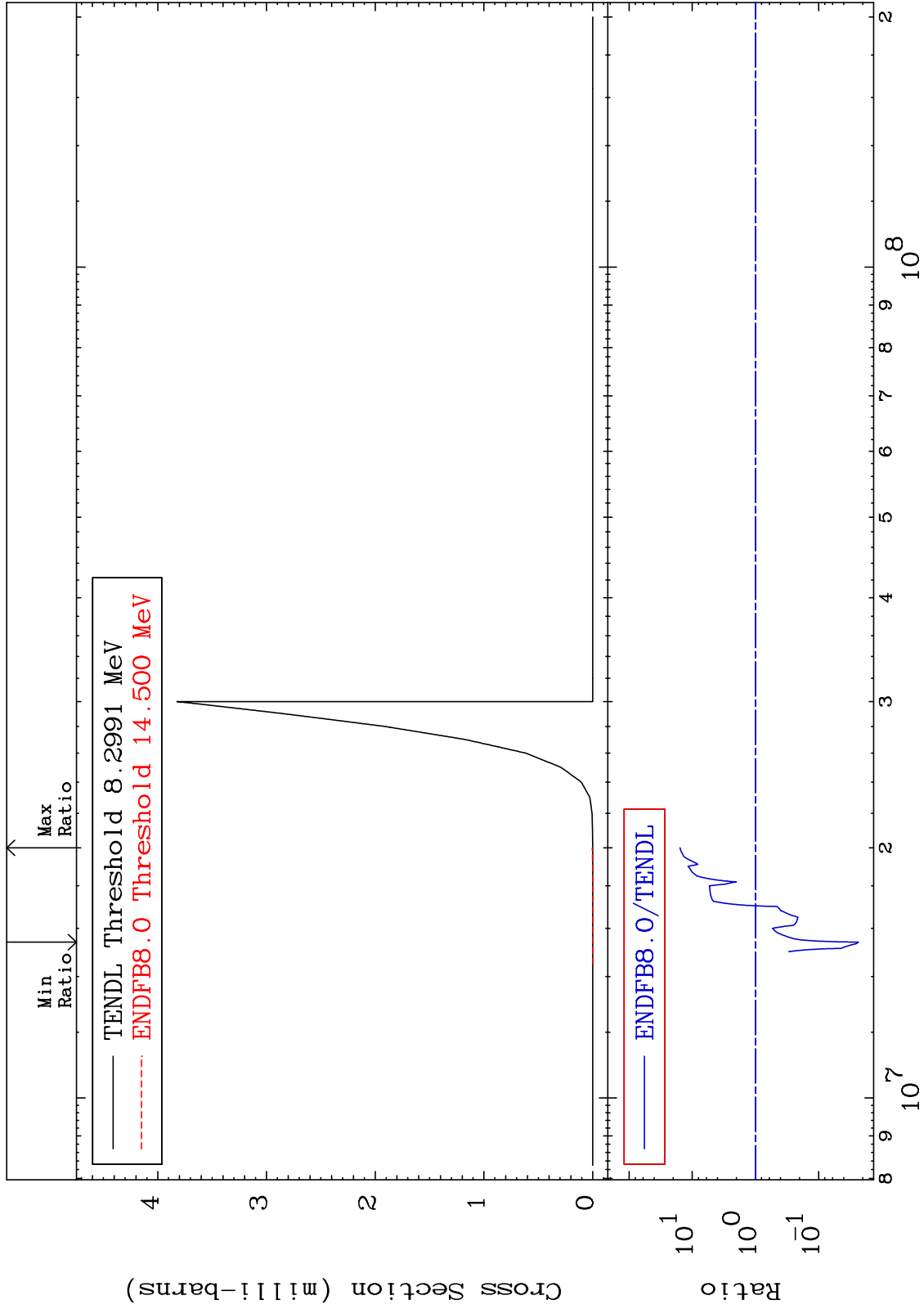
MAT 6449

(n,2n) α

64-Gd-160

Cross Section

-97.66 To 1463. %



64-Gd-160

7

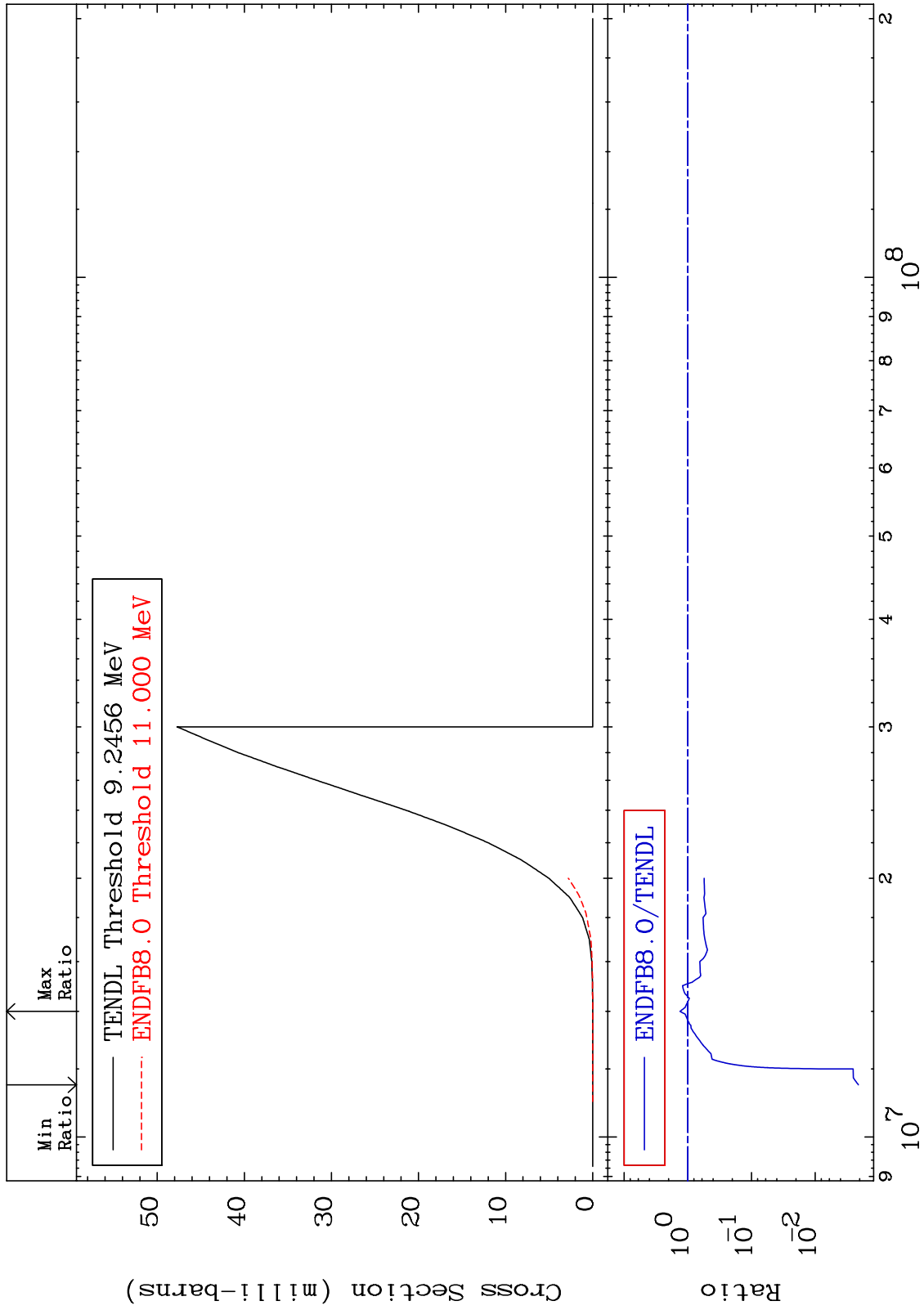
MAT 6449

(n,n') p

64-Gd-160

Cross Section

-99.79 To 32.50 %



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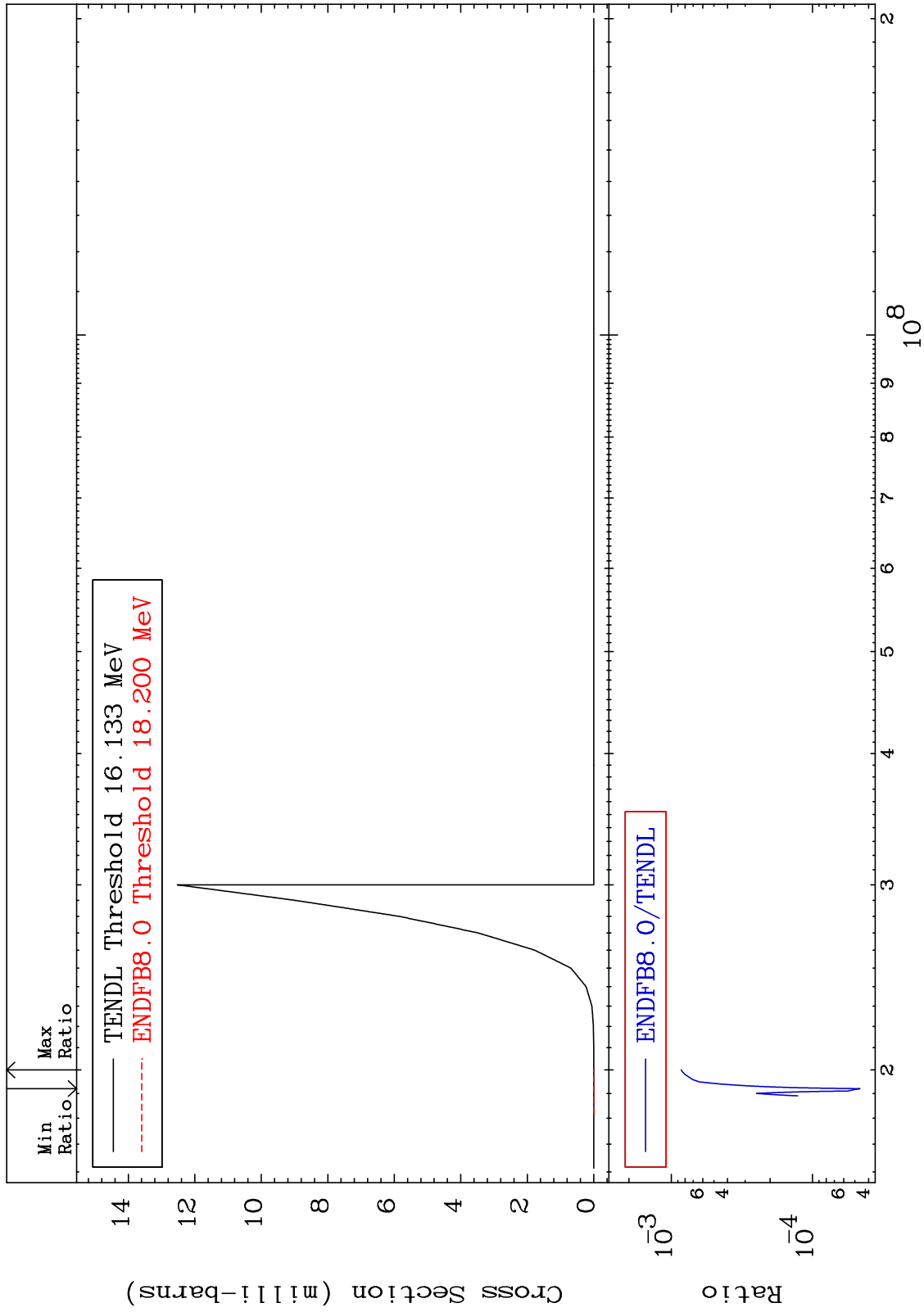
Incident Energy (eV)

64-Gd-160

MAT 6449

(n,2n) p
Cross Section

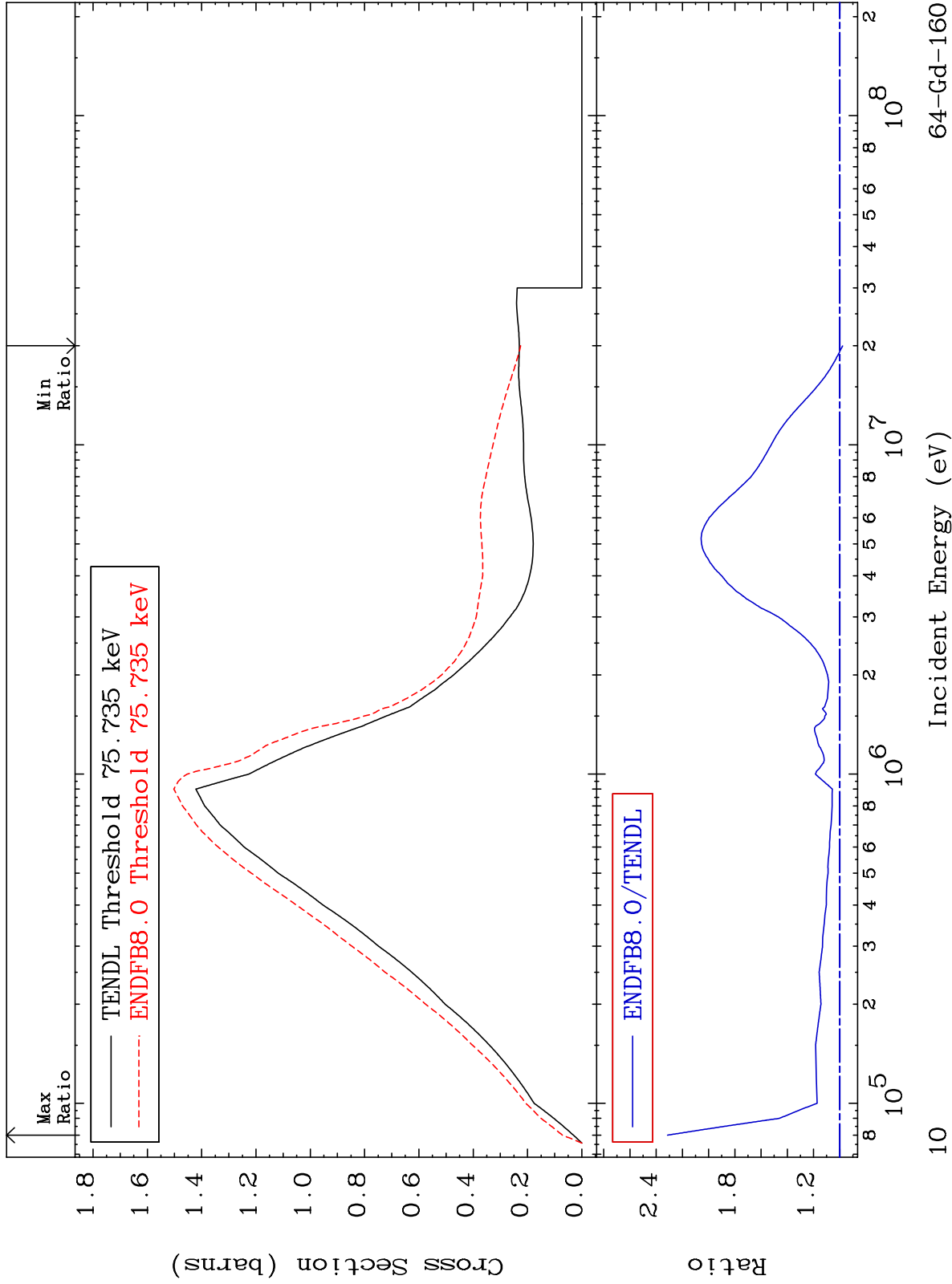
64-Gd-160
-100.0 To -99.91%



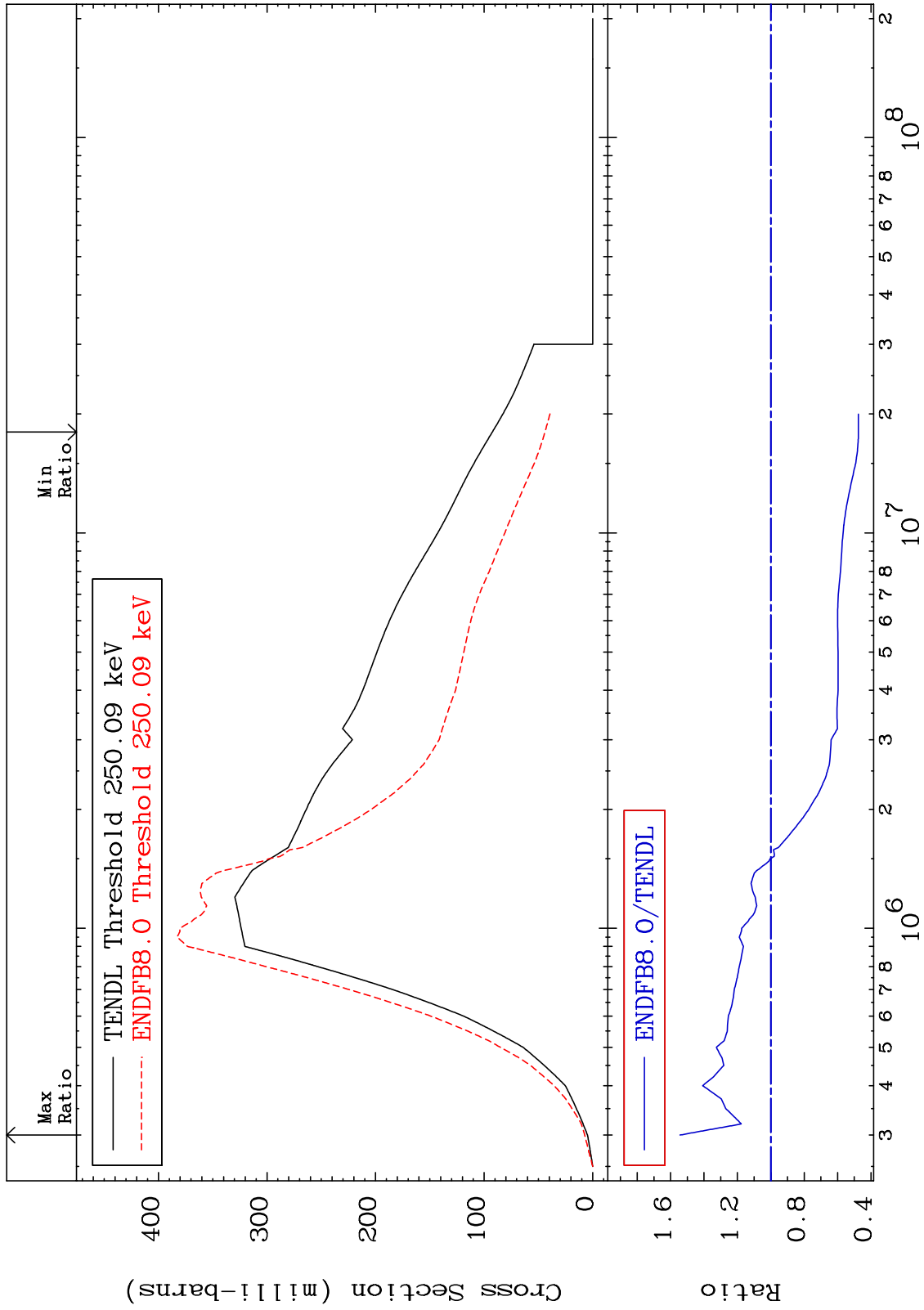
MAT 6449

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

64-Gd-160
-2.239 To 131.3 %



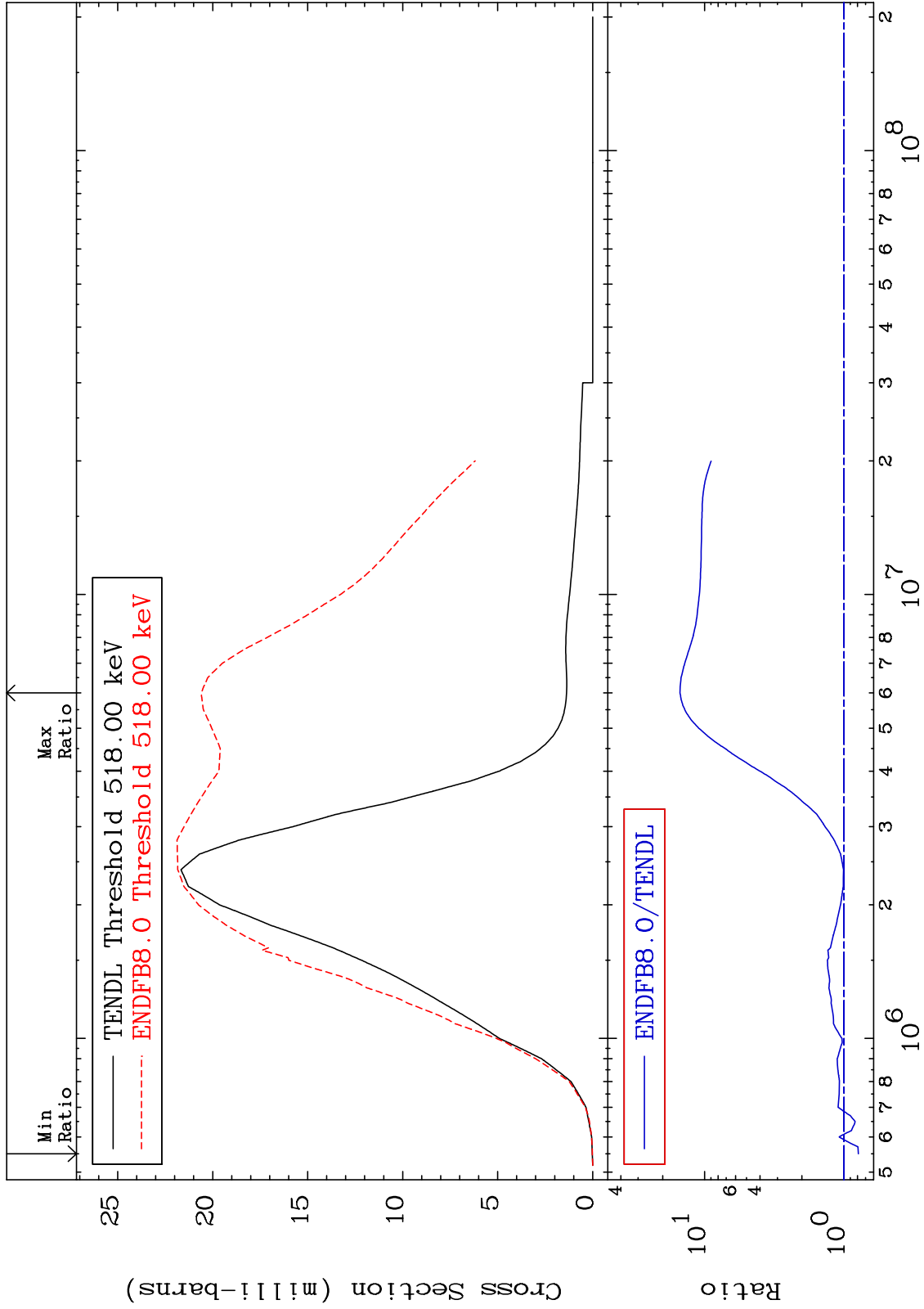
MAT 6449 MT= 52 (n,n') Level 64-Gd-160
 Cross Section -52.45 To 54.36 %



MAT 6449

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

64-Gd-160
-21.34 To 1402. %



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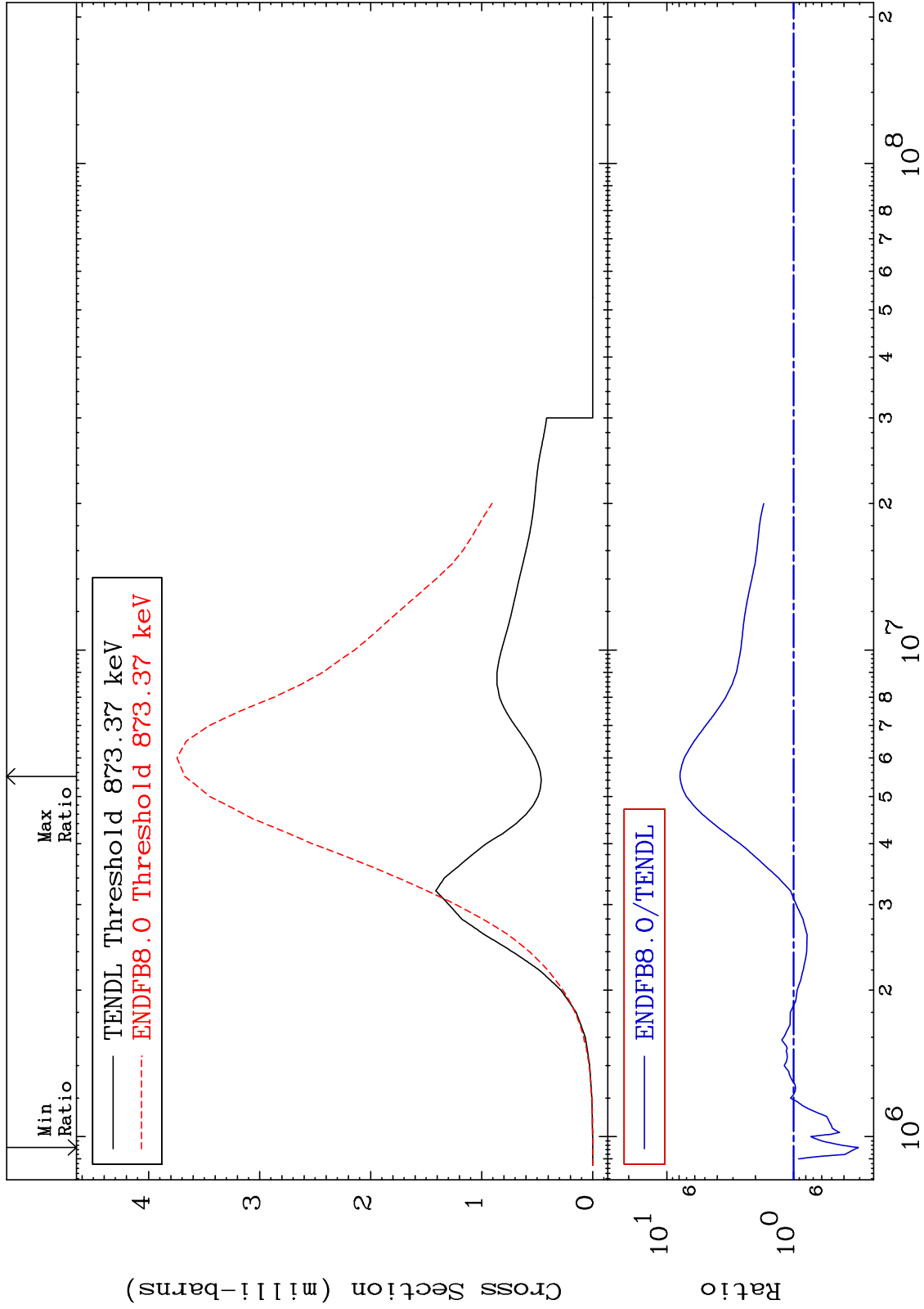
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-69.25 To 685.9 %



13

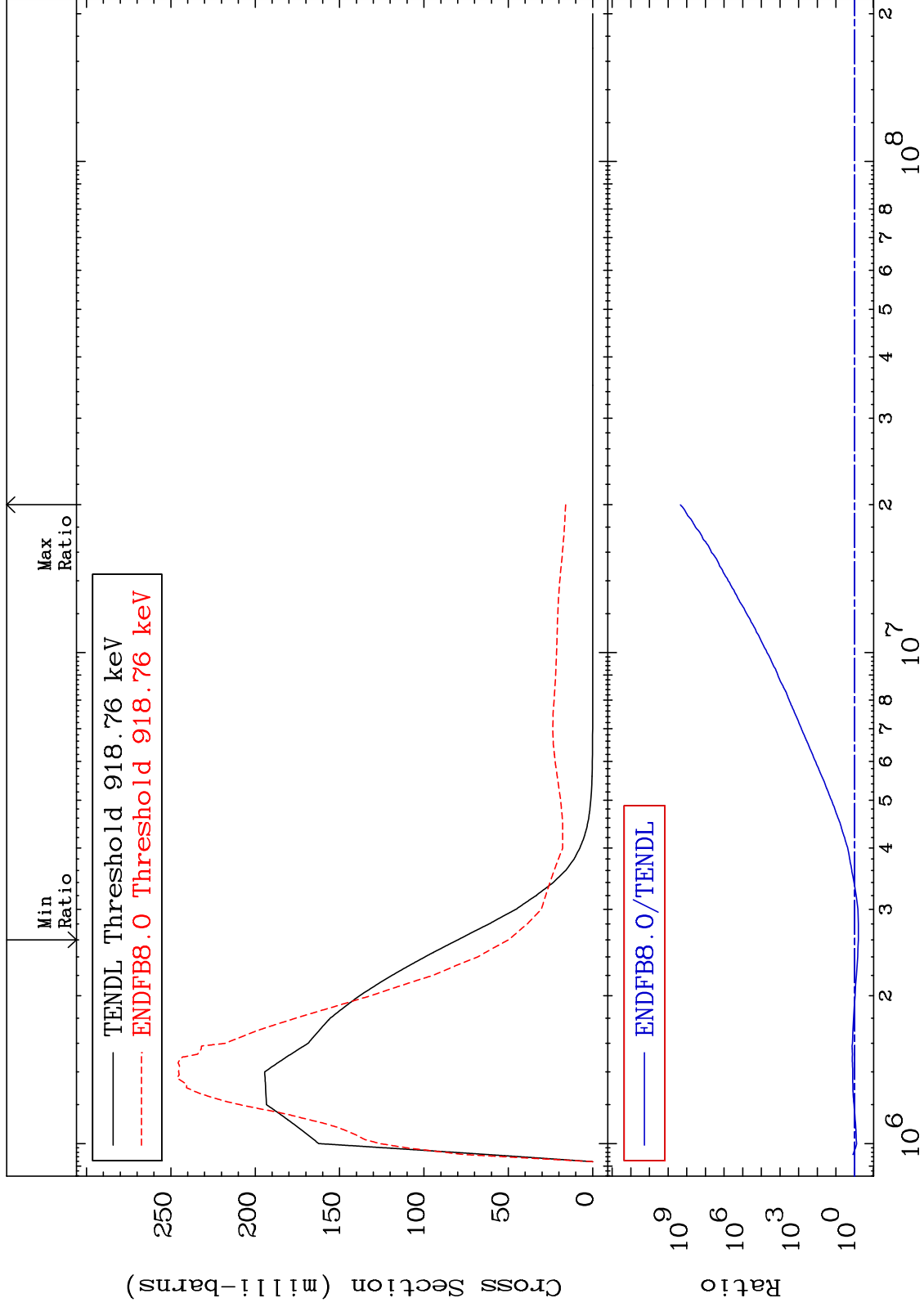
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-37.55 To 9999. %



14

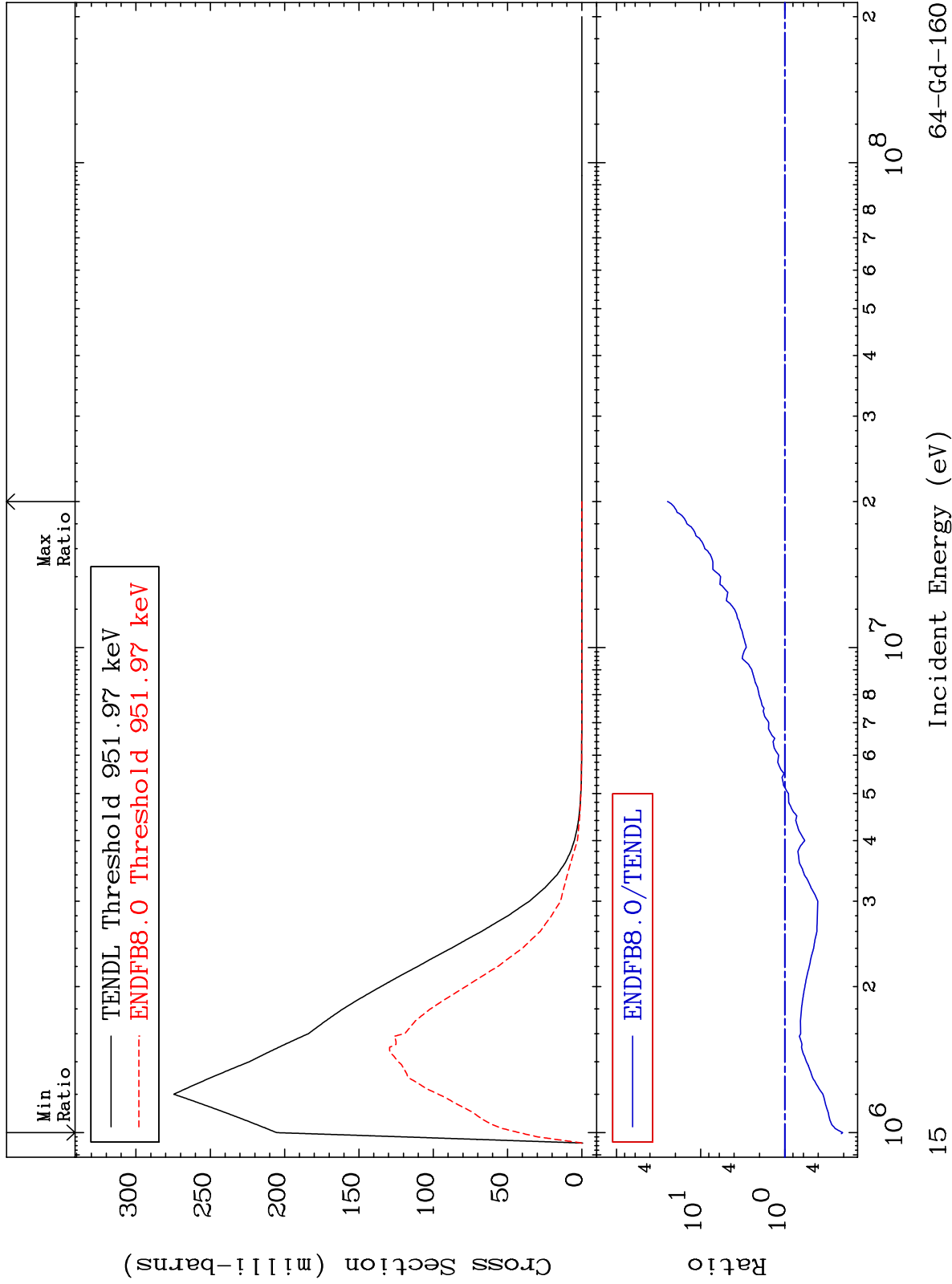
Incident Energy (eV)

64-Gd-160

MAT 6449

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

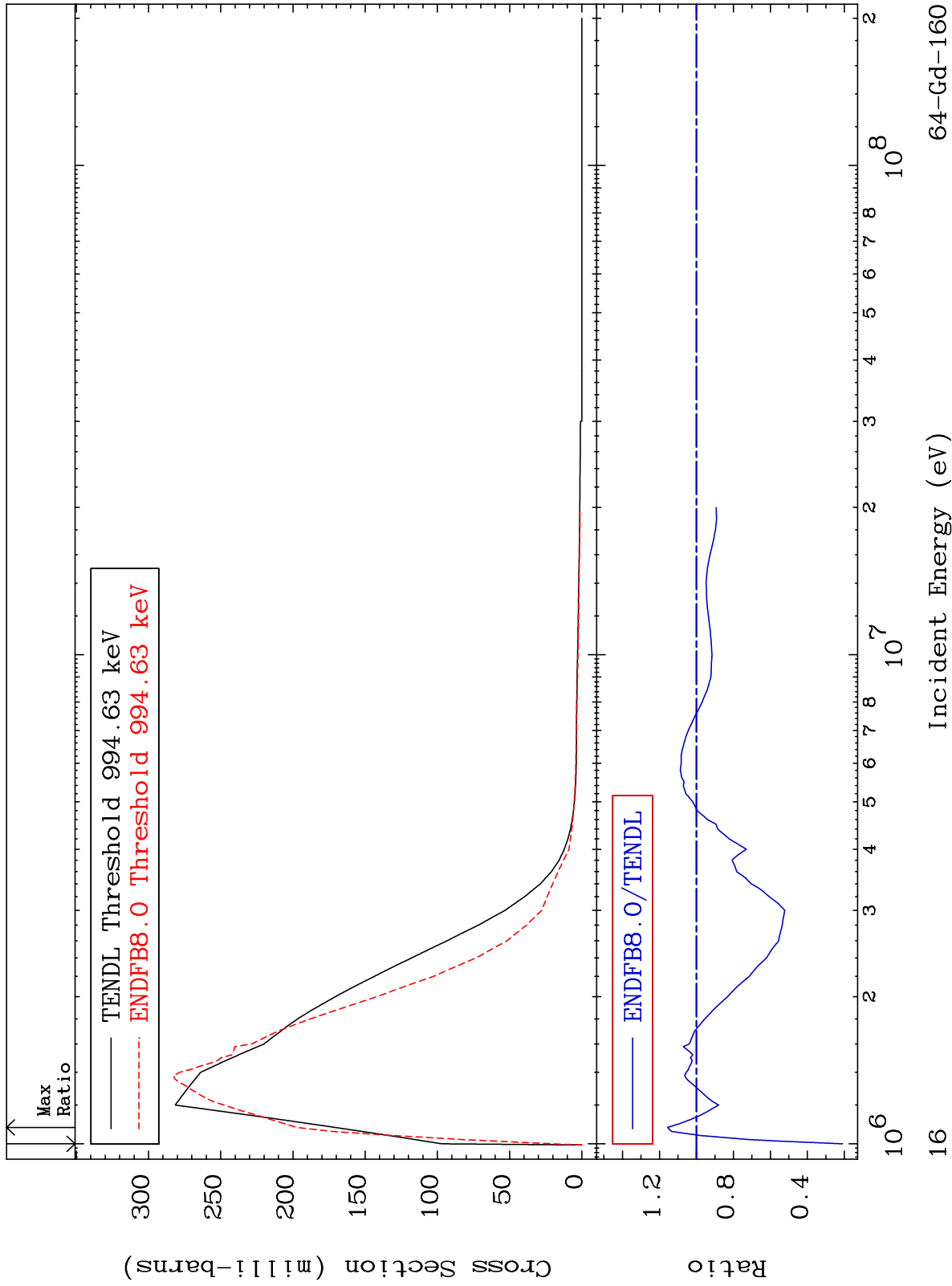
64-Gd-160
-79.47 To 2373. %



MAT 6449

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

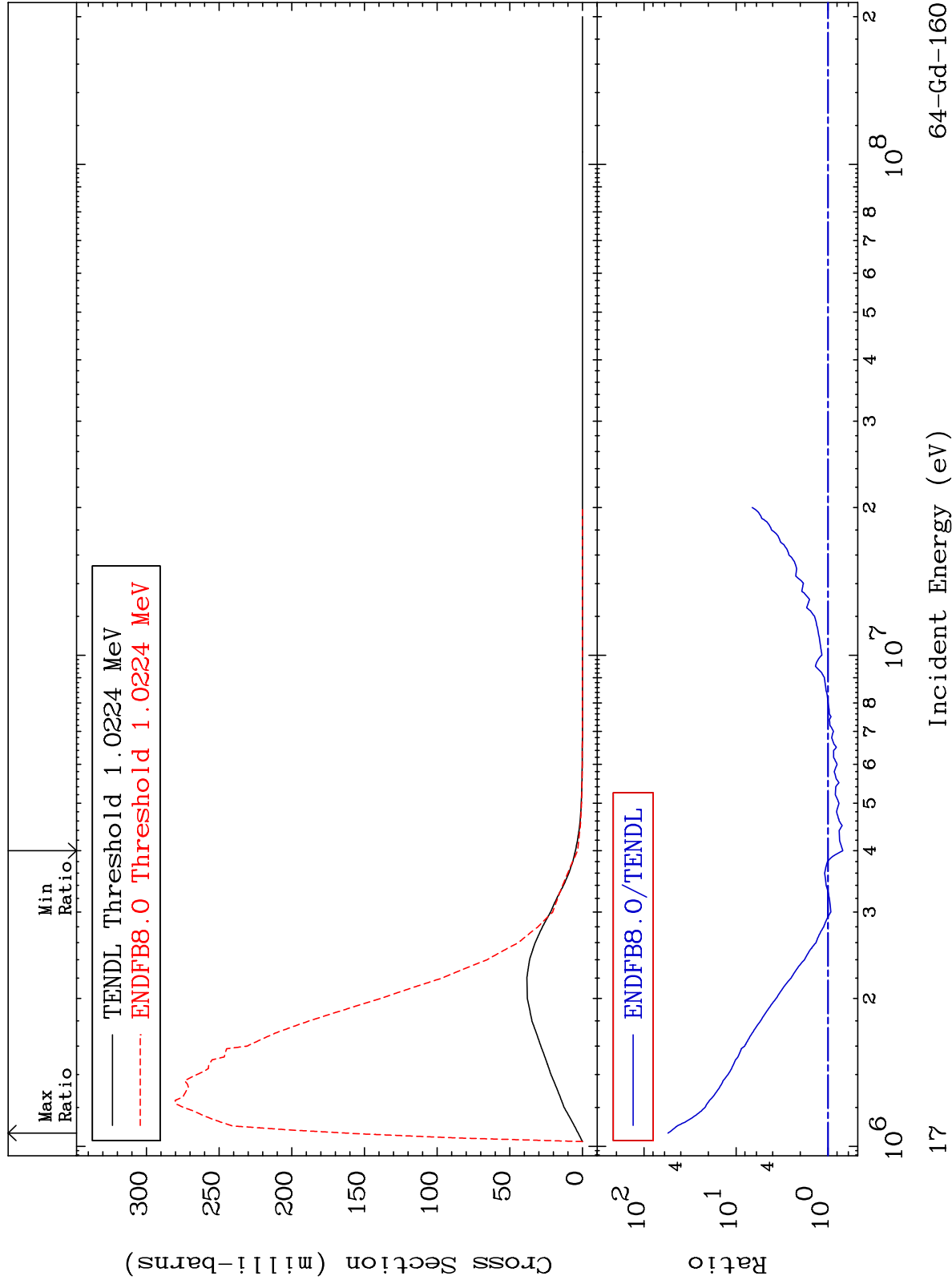
64-Gd-160
-79.09 To 15.62 %



MAT 6449

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

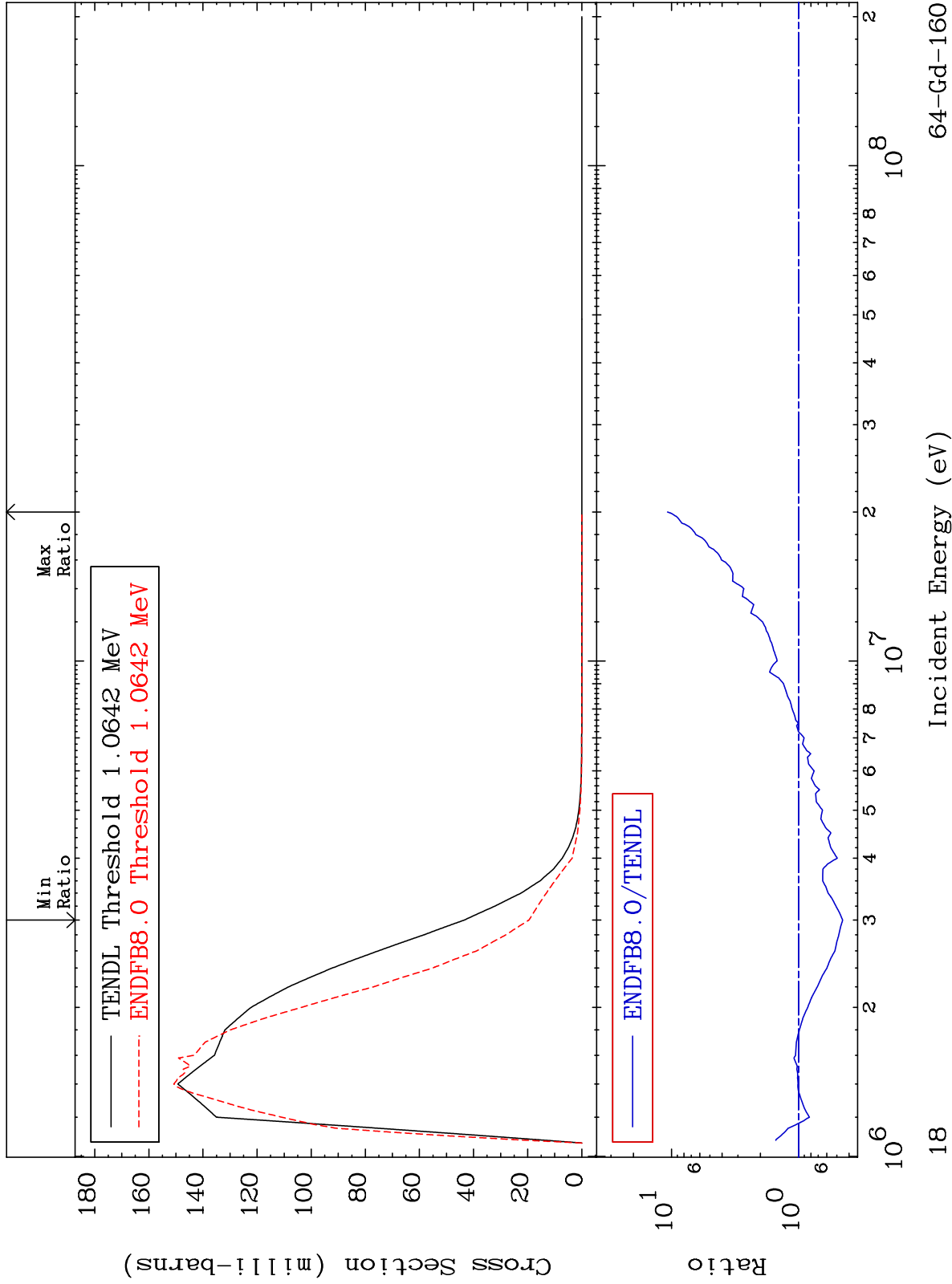
64-Gd-160
-30.99 To 5394. %



MAT 6449

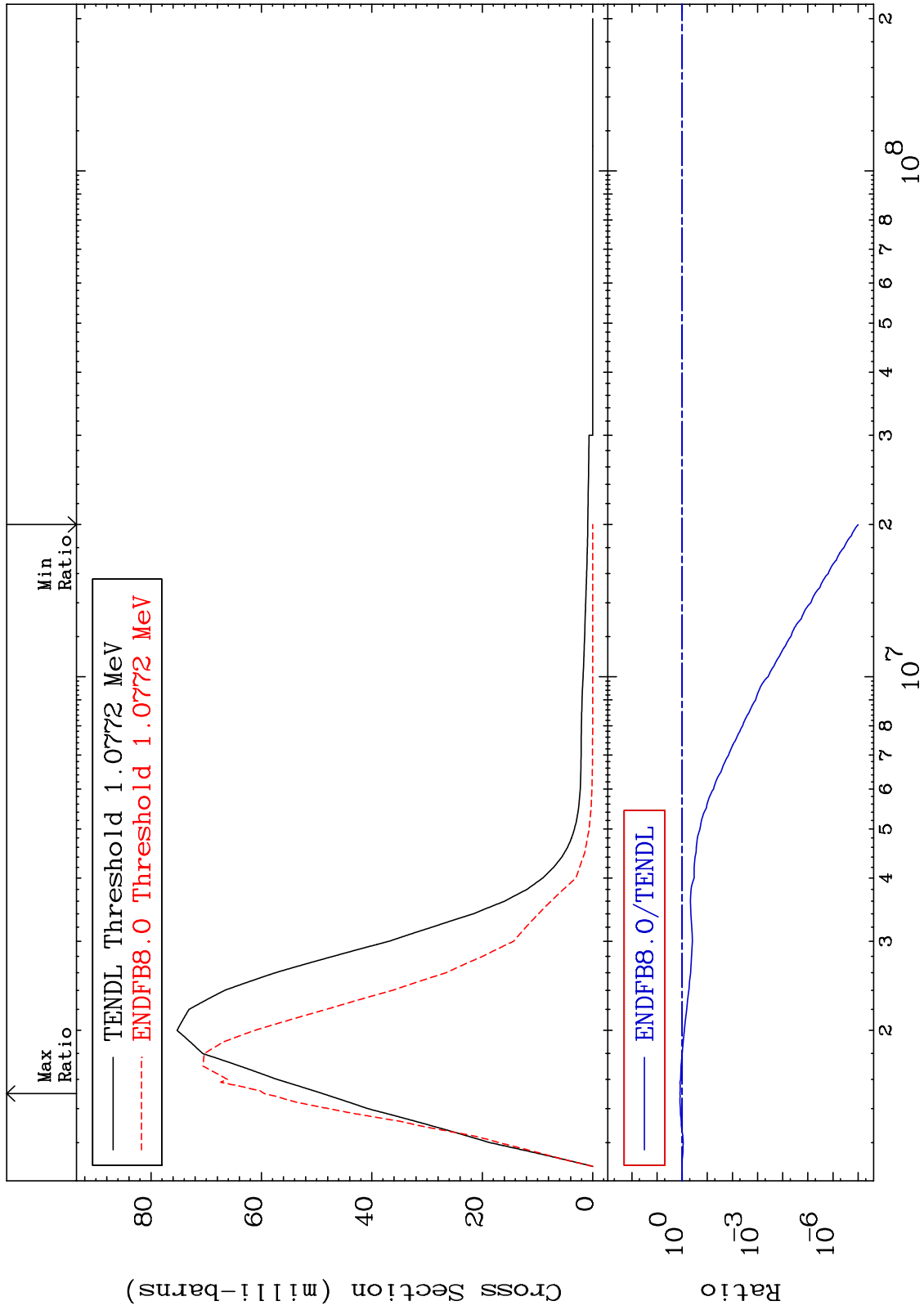
MT= 59 (n, n') Level
Cross Section

64-Gd-160
-55.10 To 975.8 %

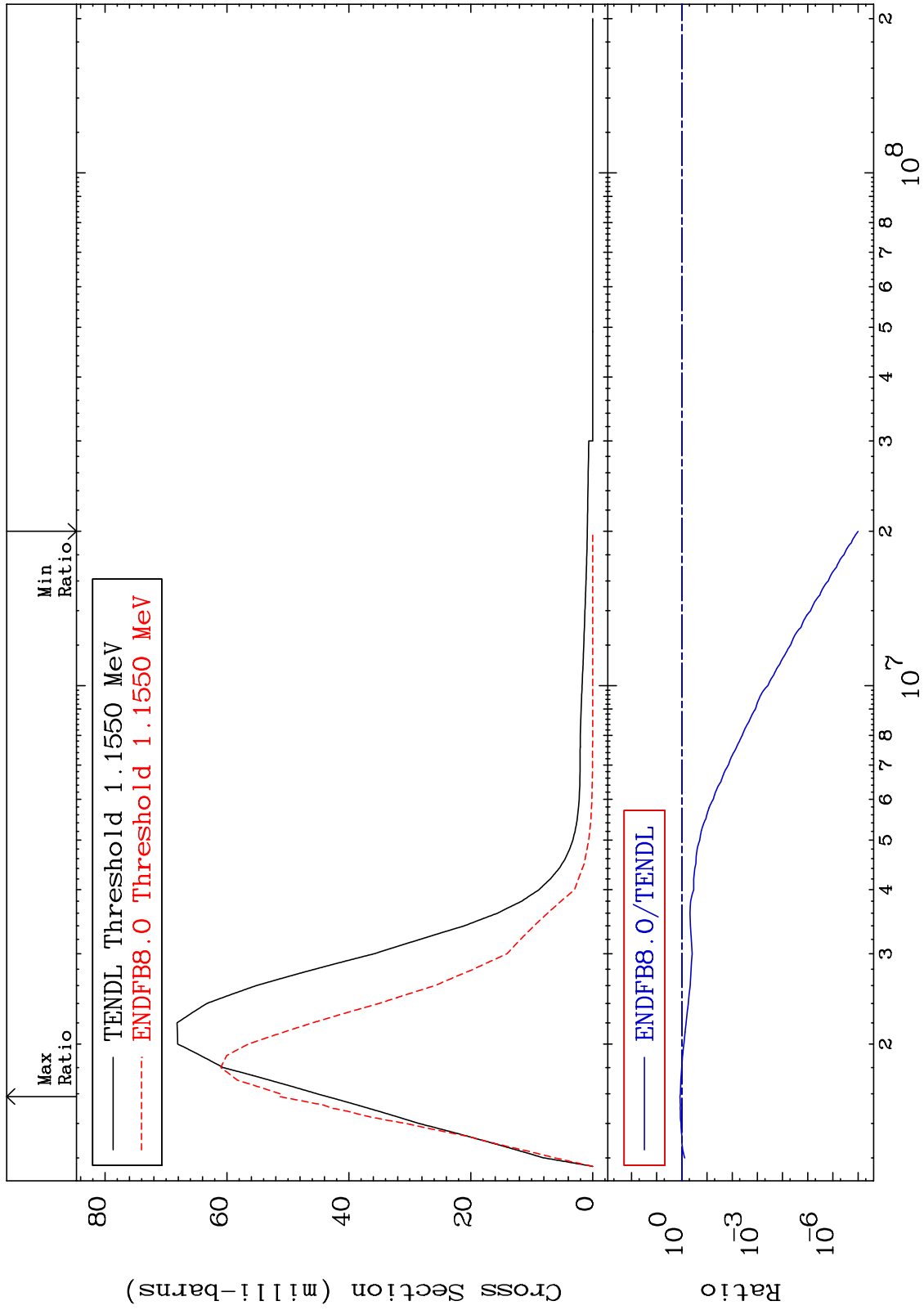


18

MAT 6449 MT= 60 (n, n') Level
 Cross Section 64-Gd-160
 -100.0 To 21.57 %



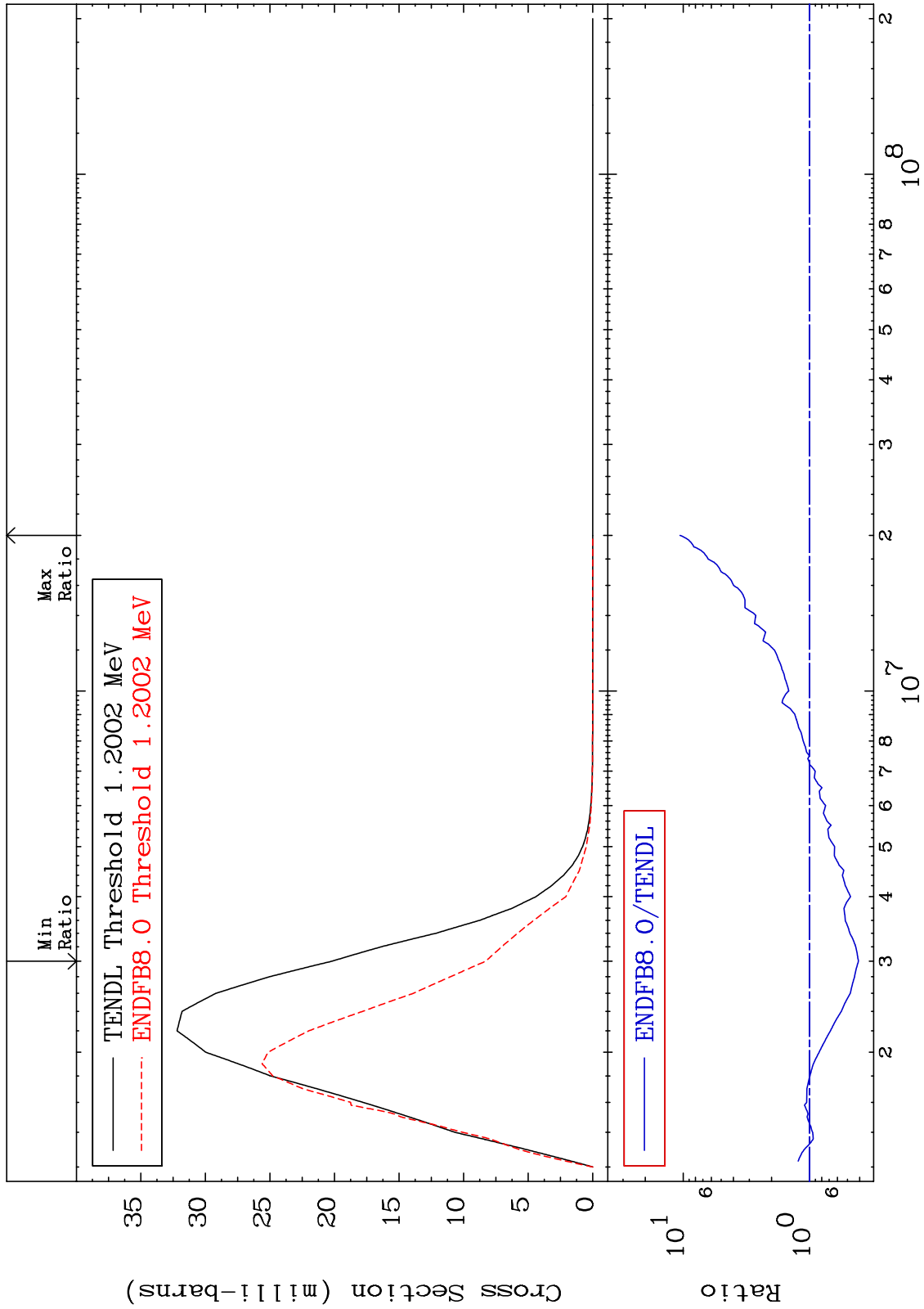
MAT 6449 MT= 61 (n,n') Level
Cross Section 64-Gd-160
-100.0 To 18.13 %



MAT 6449

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

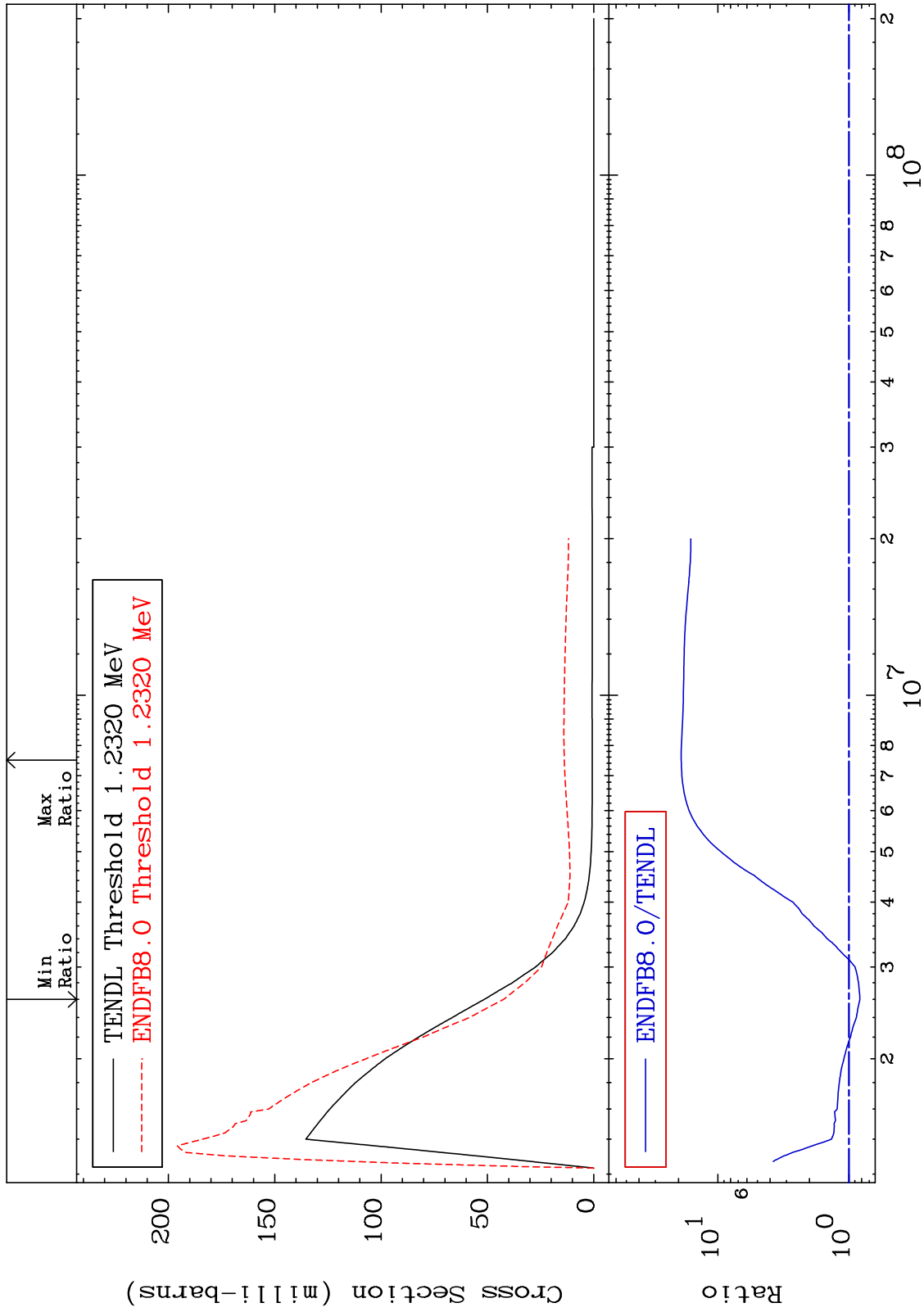
64-Gd-160
-59.00 To 960.6 %



MAT 6449

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

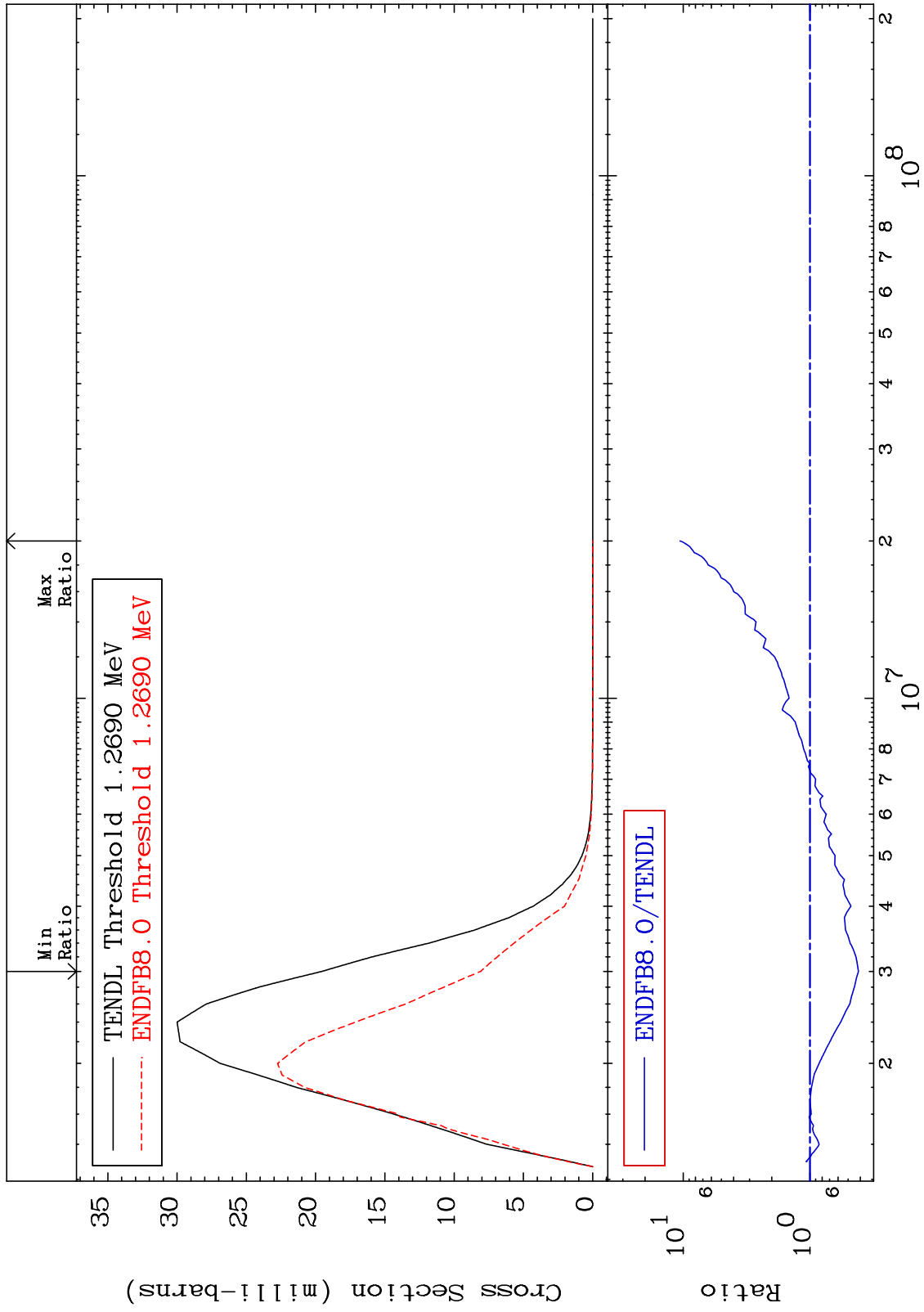
64-Gd-160
-17.57 To 1807. %

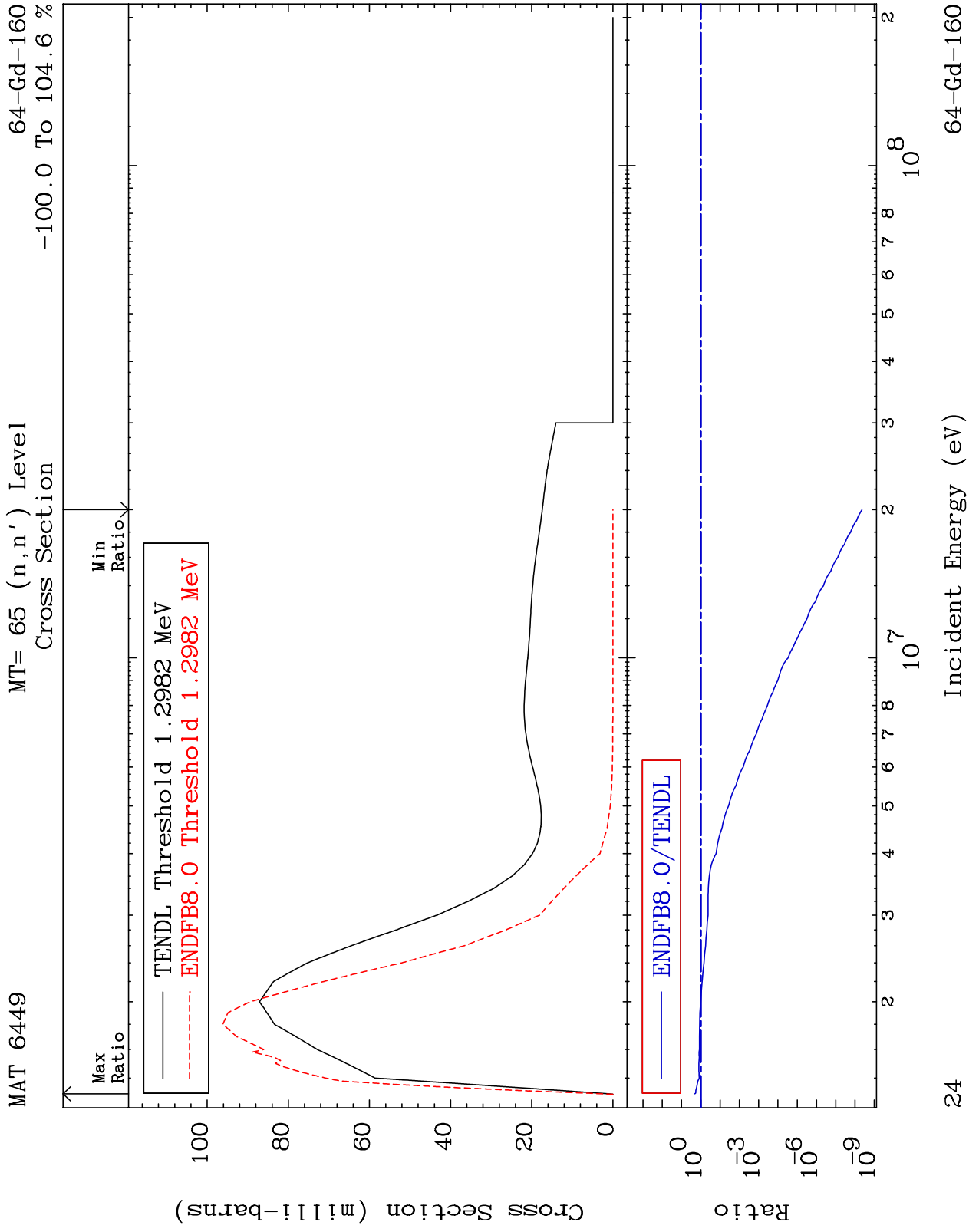


MAT 6449

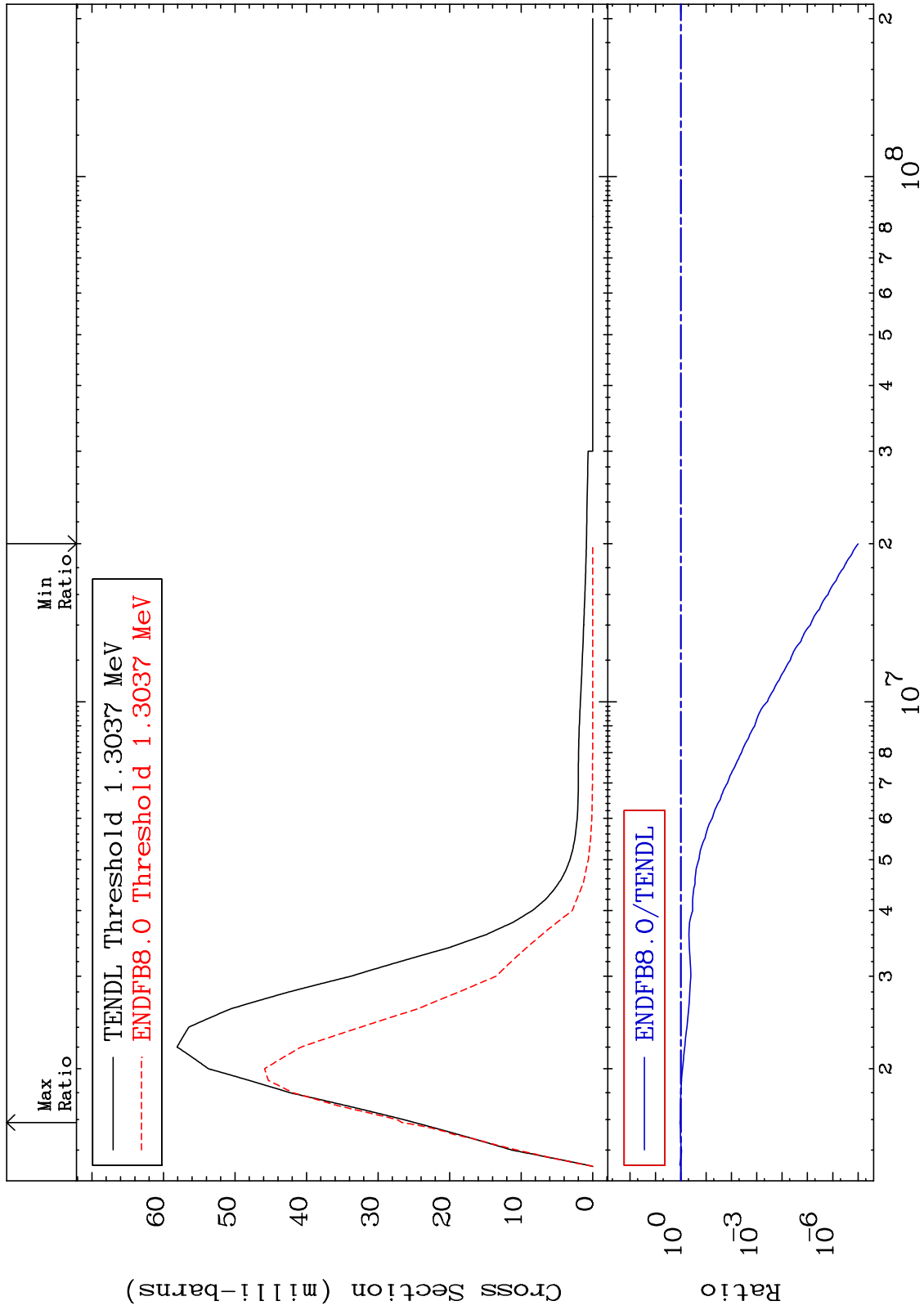
MT= 64 (n,n') Level
Cross Section

64-Gd-160
-58.59 To 960.1 %





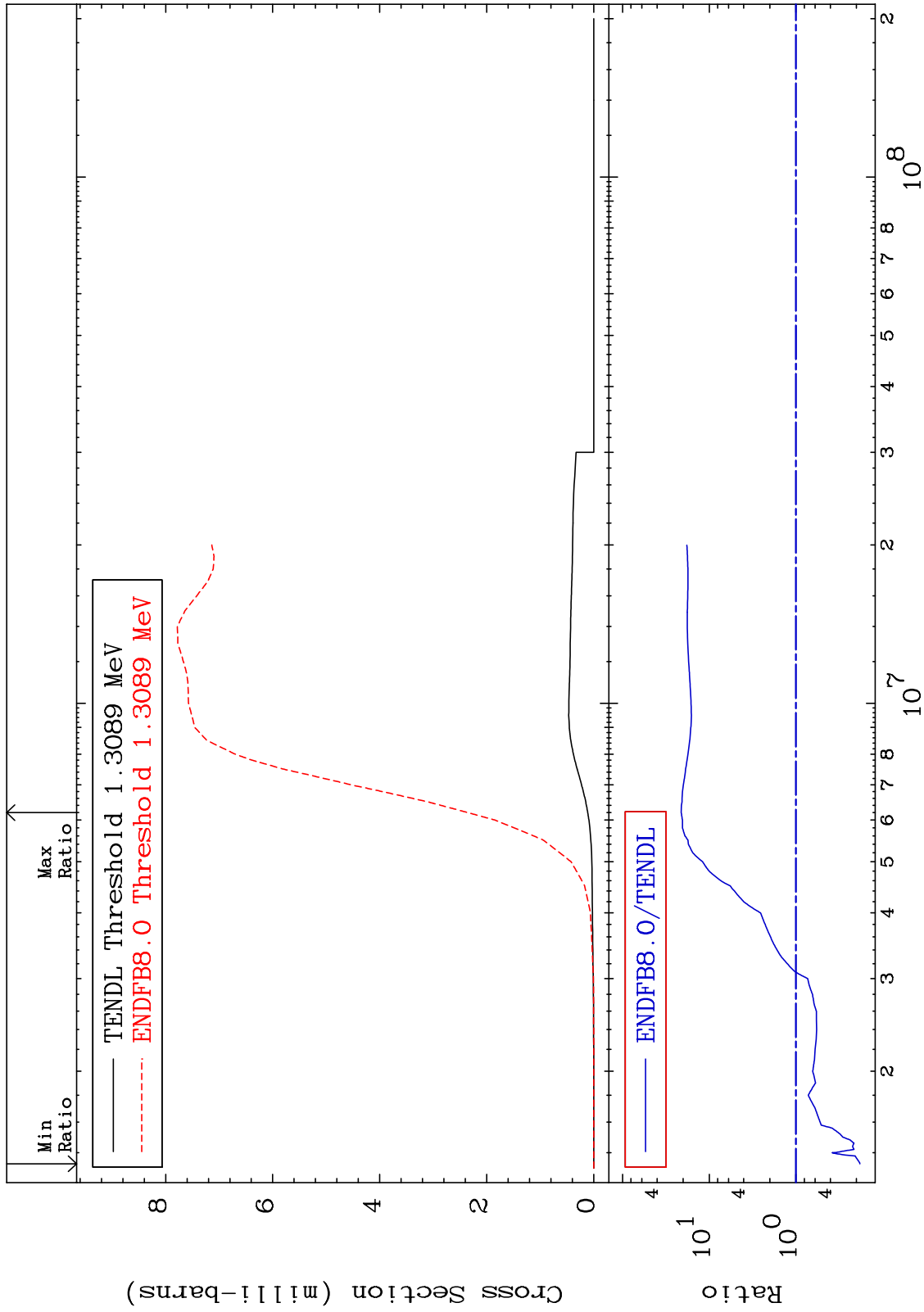
MAT 6449 MT= 66 (n,n') Level Cross Section 64-Gd-160
 -100.0 To 7.025 %



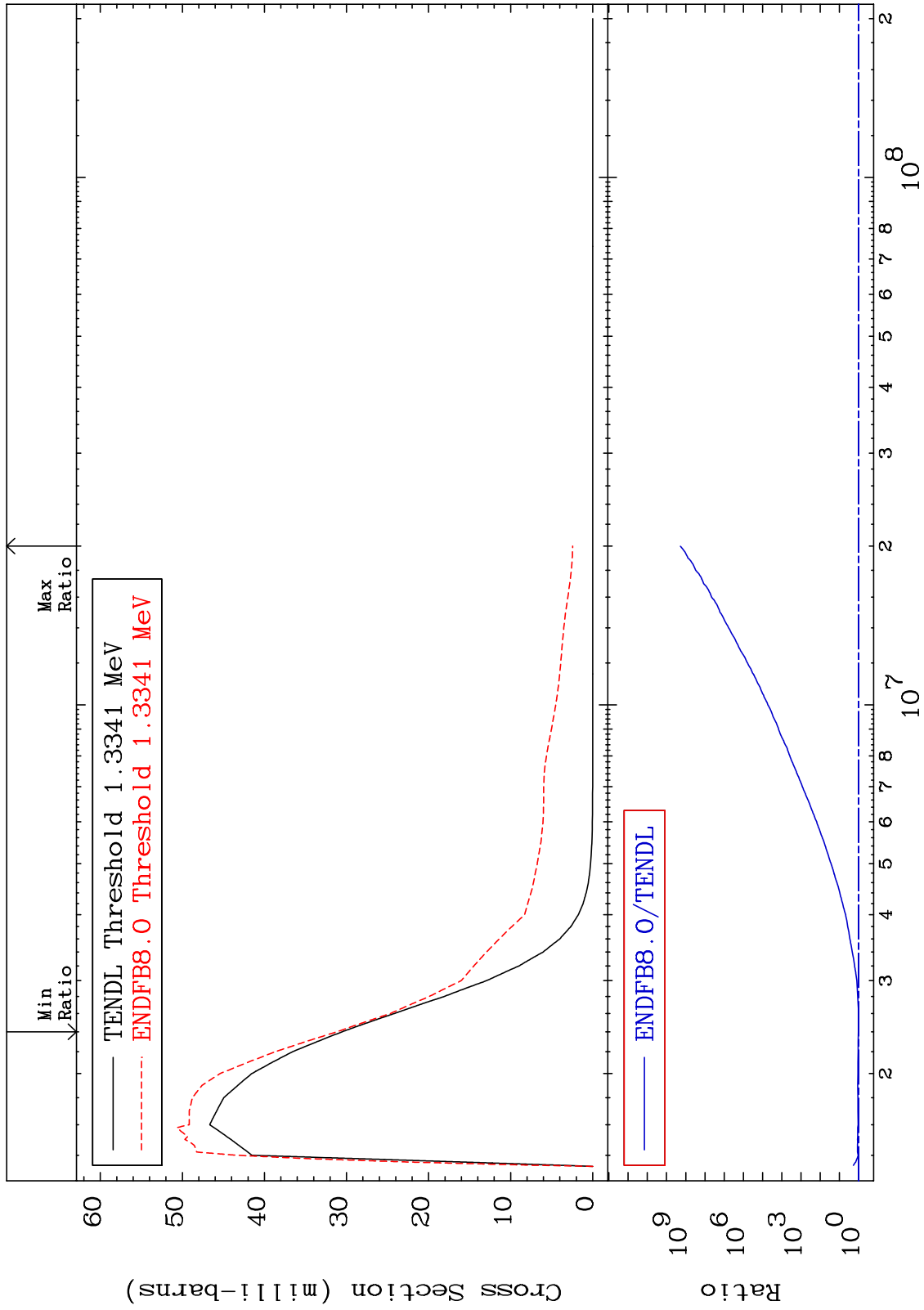
MAT 6449

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

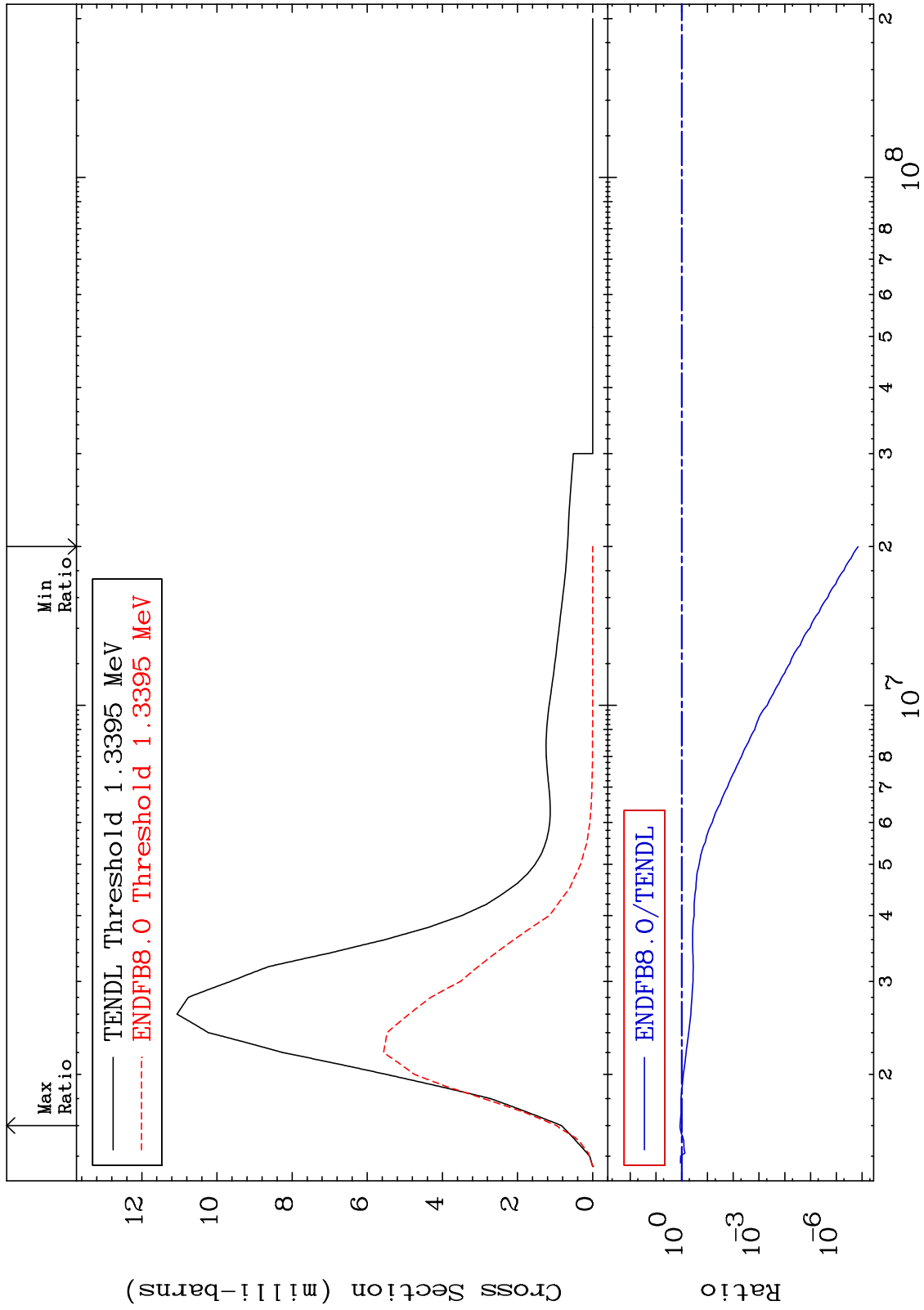
64-Gd-160
-81.75 To 2006. %



MAT 6449 MT= 68 (n,n') Level Cross Section 64-Gd-160
 2.012 To 9999. %



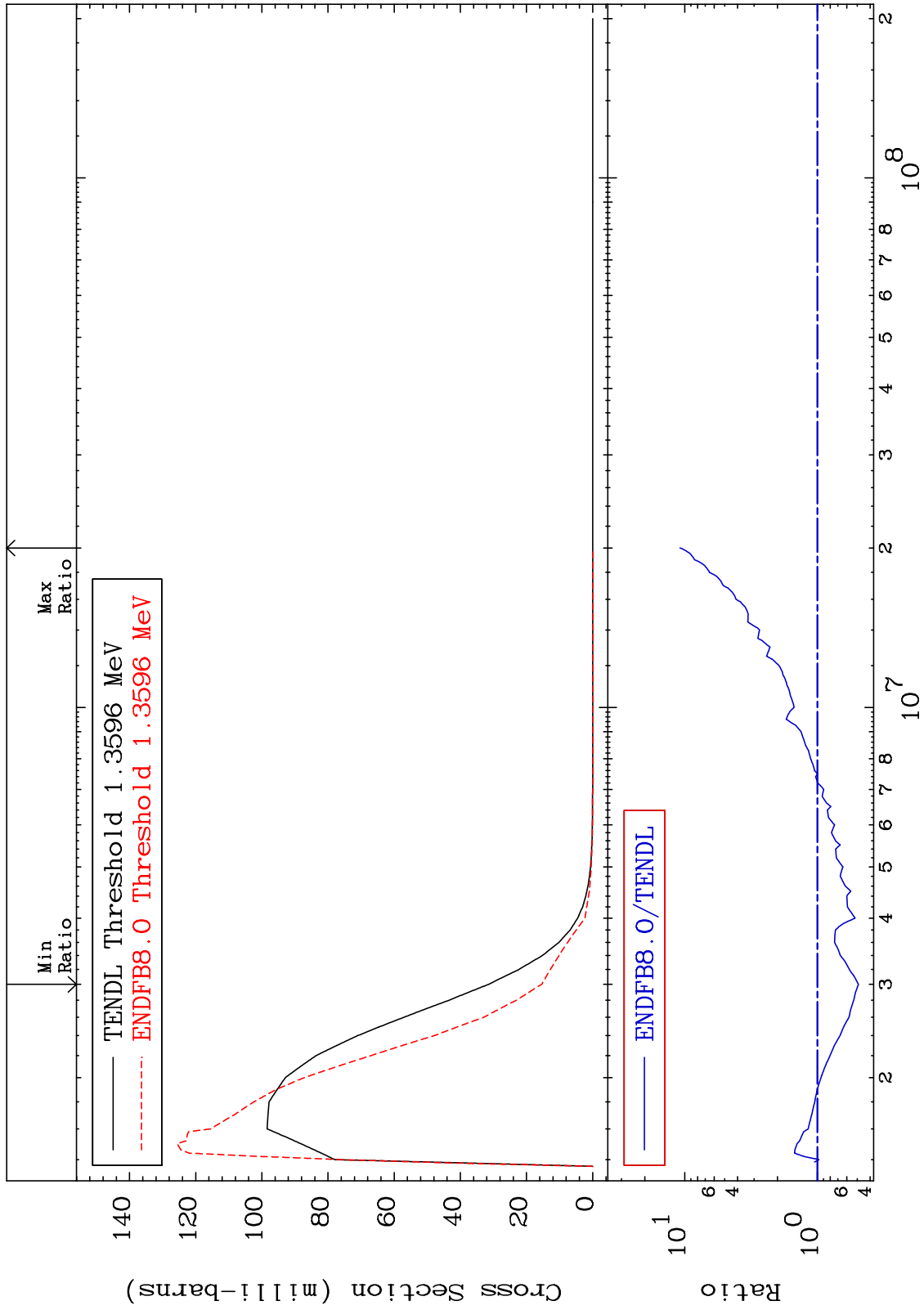
MAT 6449 MT= 69 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 15.97 %



MAT 6449

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

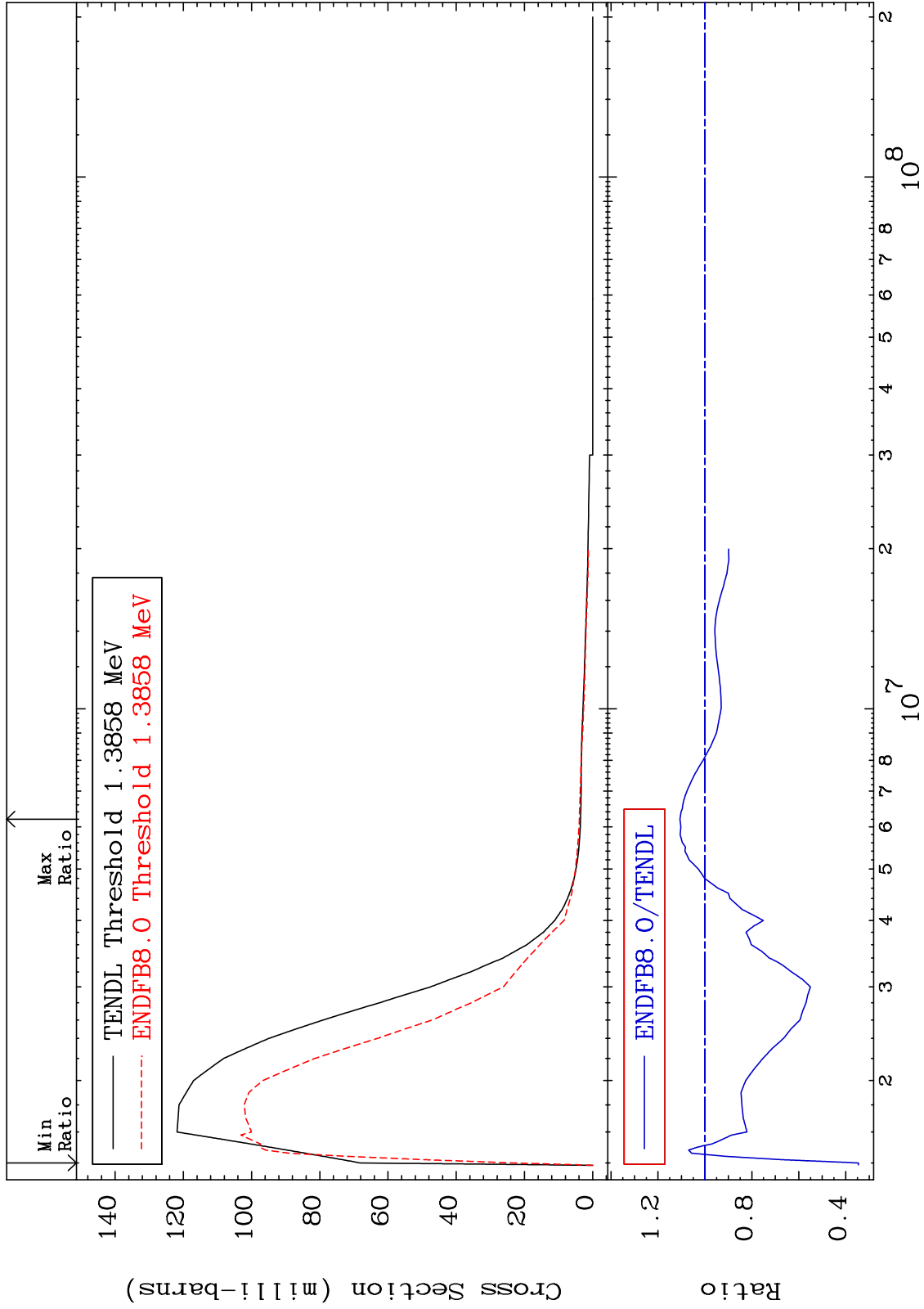
64-Gd-160
-51.00 To 987.0 %



MAT 6449

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

64-Gd-160
-65.42 To 10.61 %



30

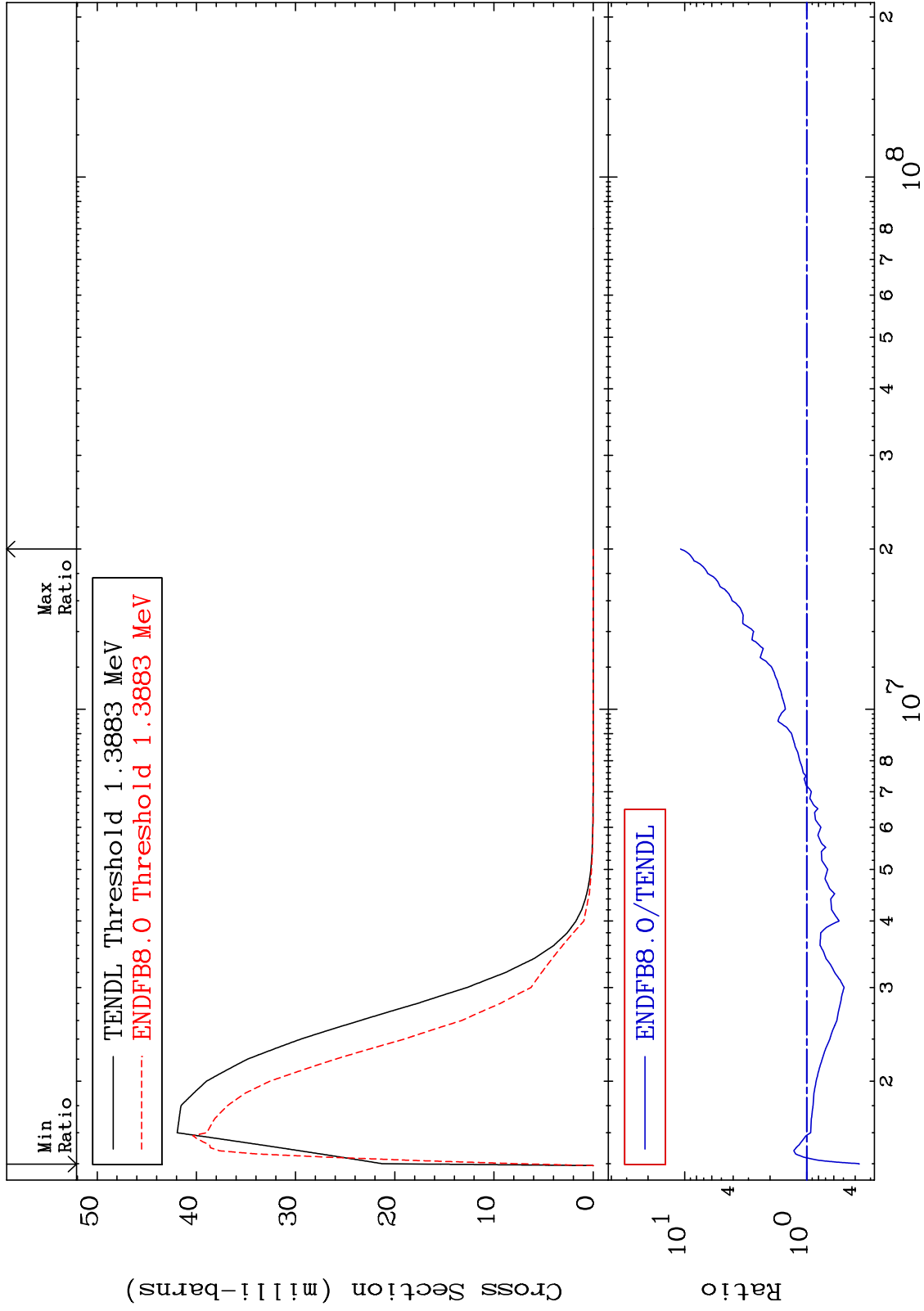
Incident Energy (eV)

64-Gd-160

MAT 6449

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

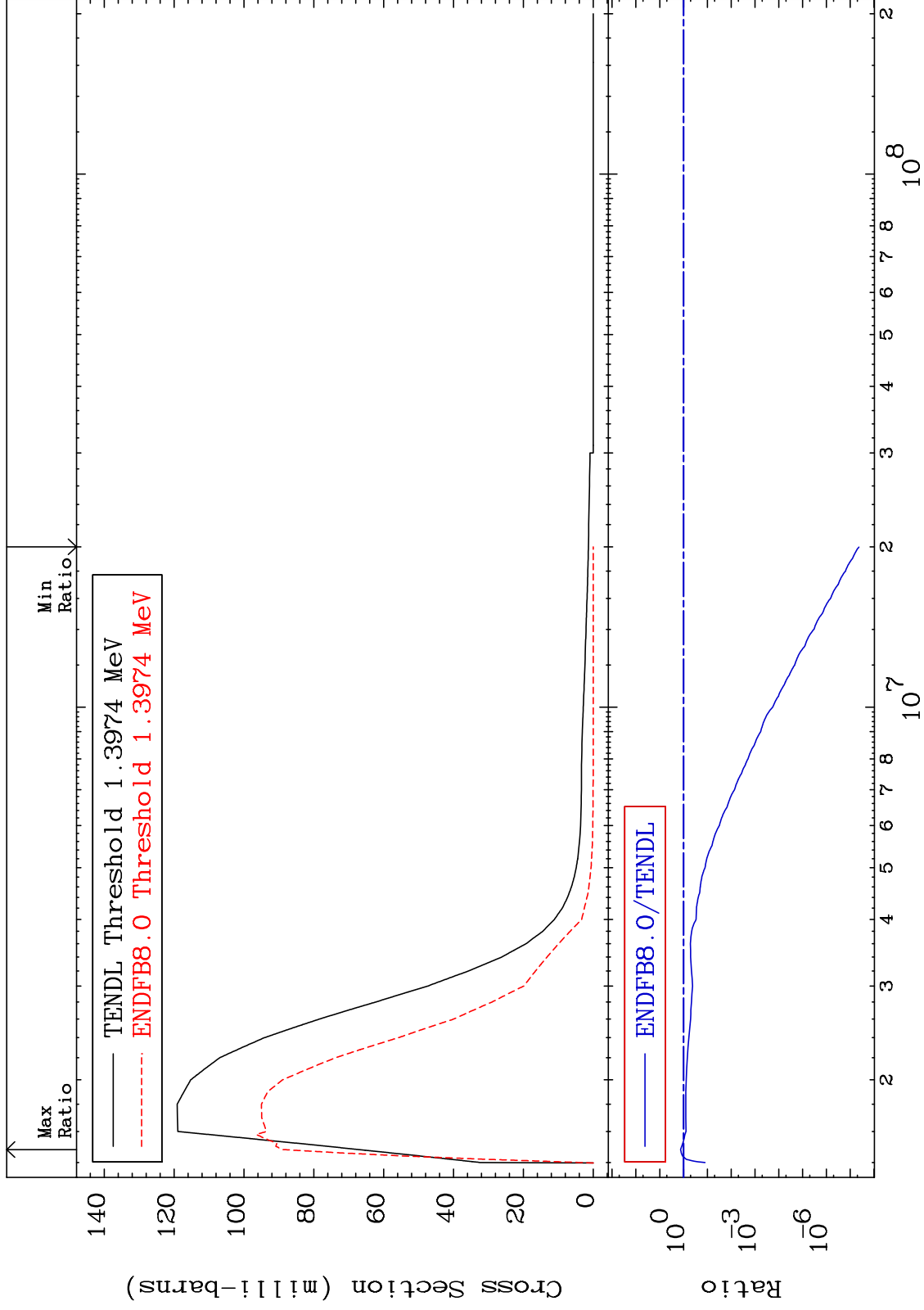
64-Gd-160
-62.91 To 981.2 %

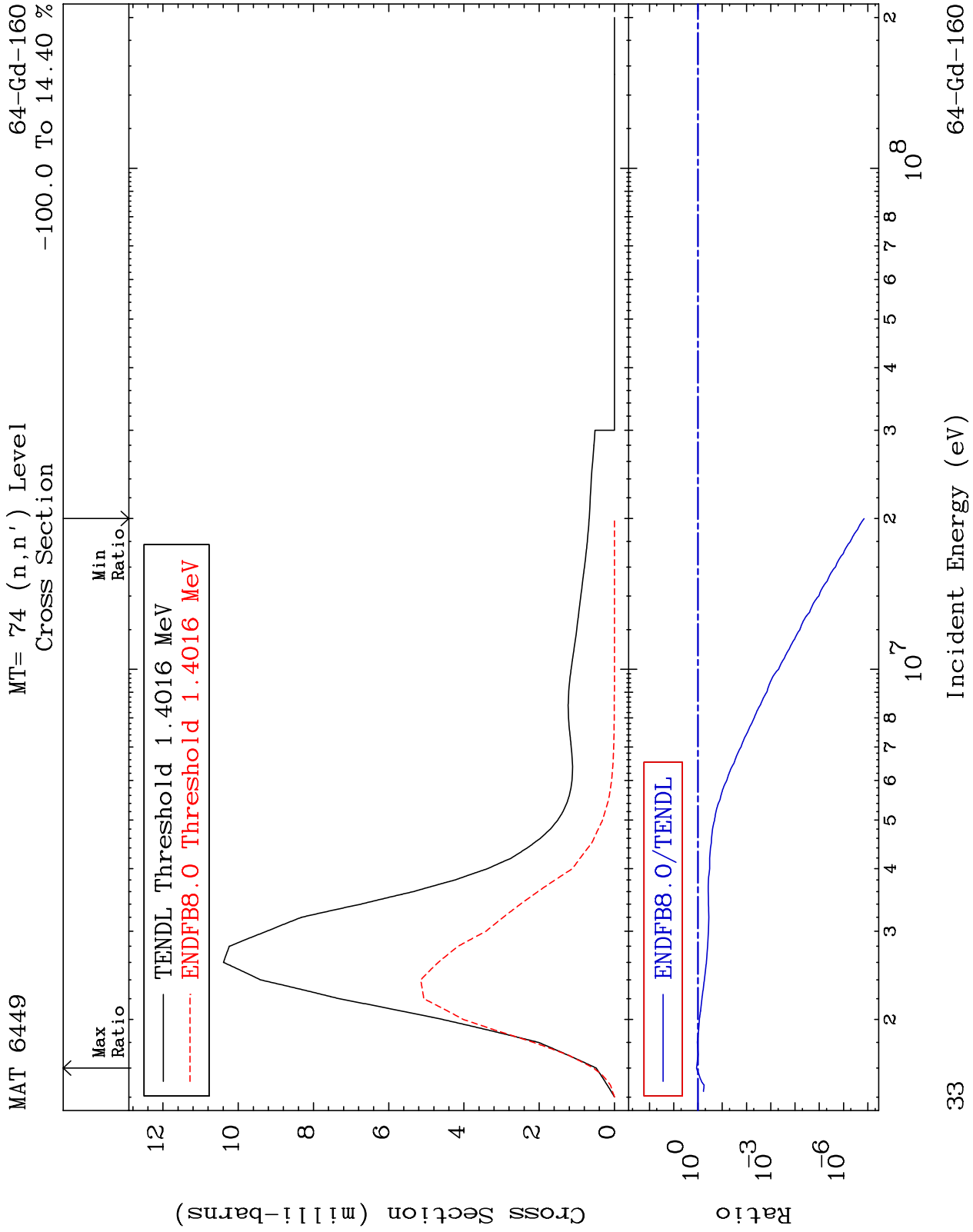


MAT 6449

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

64-Gd-160
-100.0 To 32.41 %

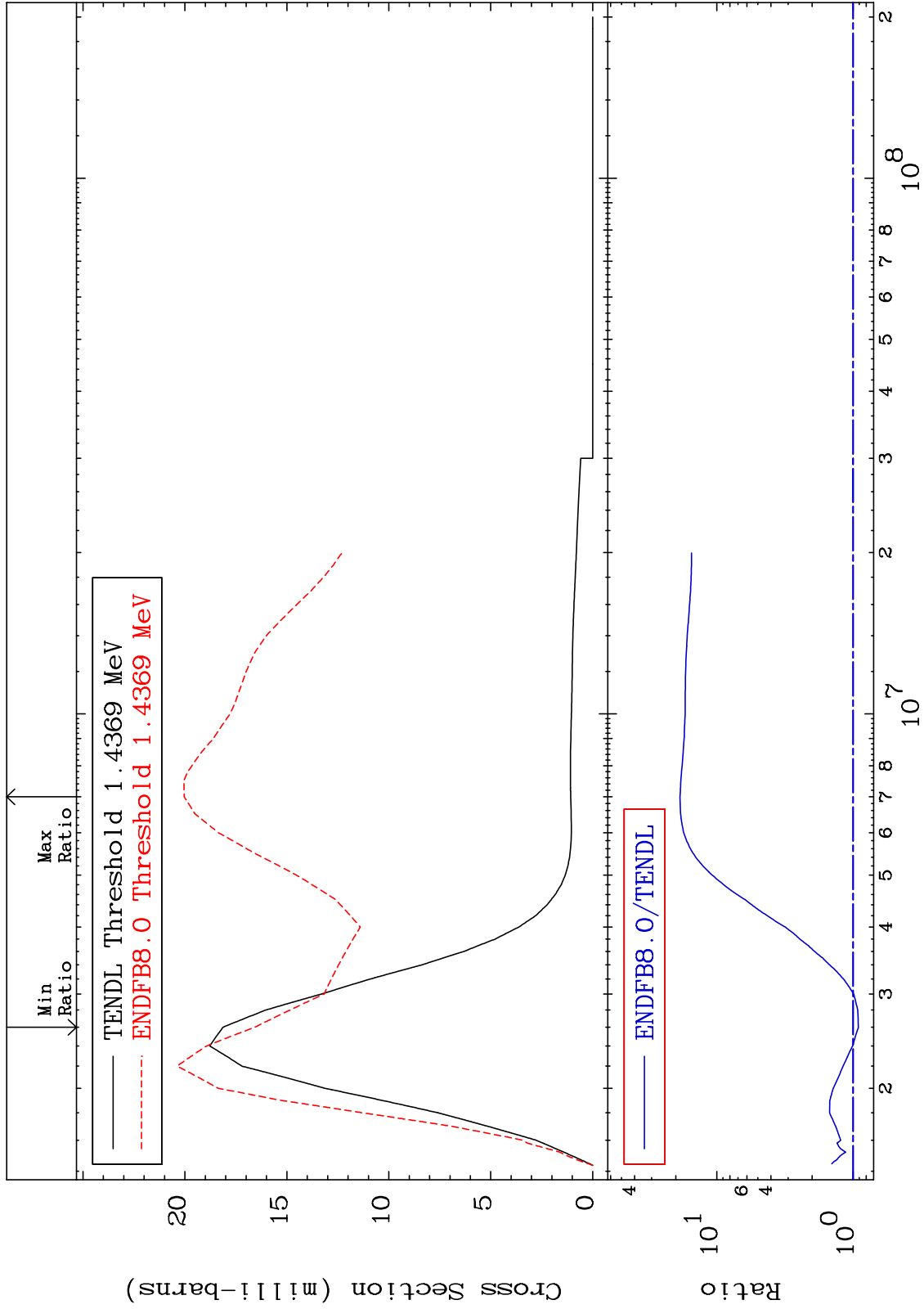




MAT 6449

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

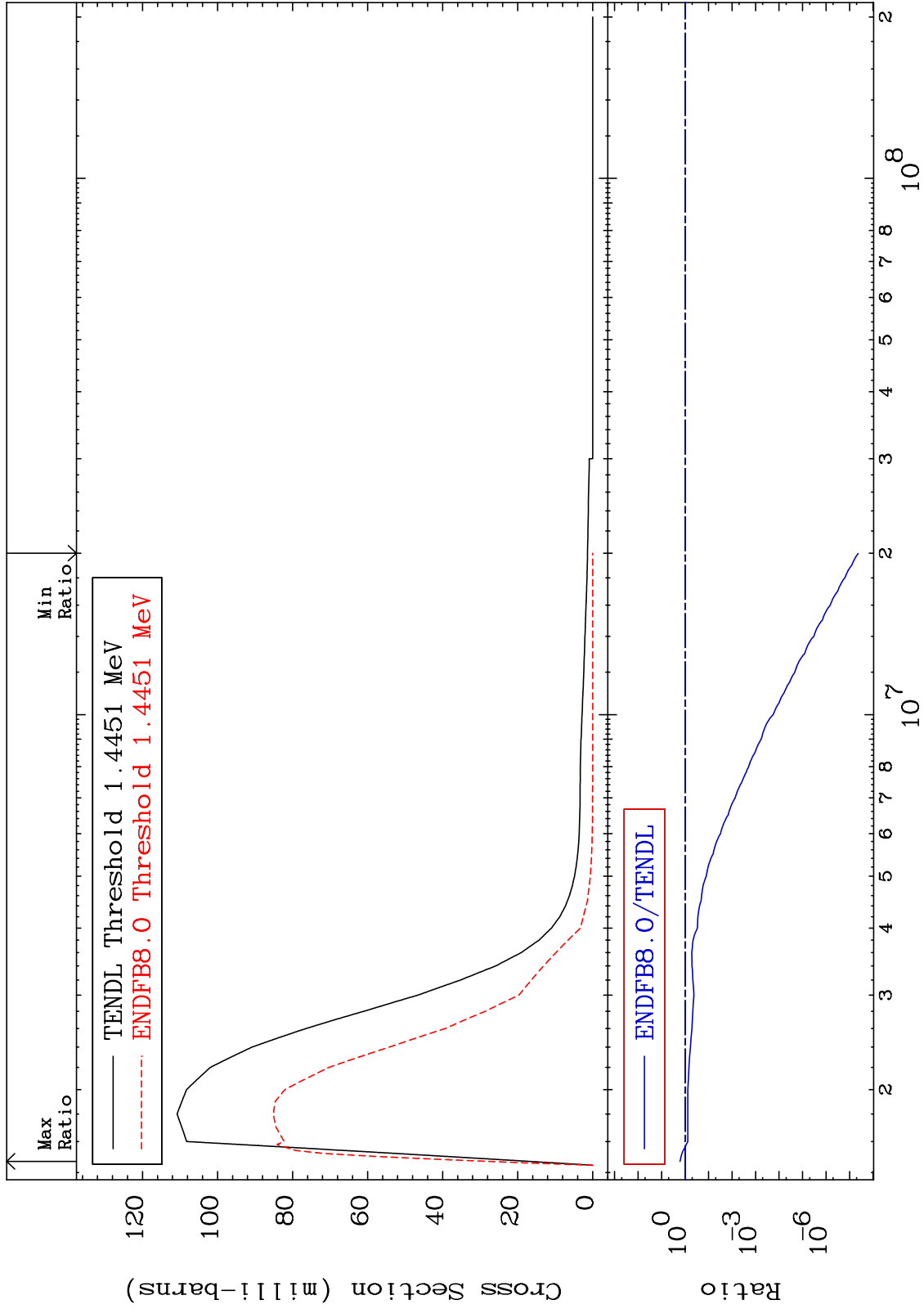
64-Gd-160
-8.581 To 1760. %



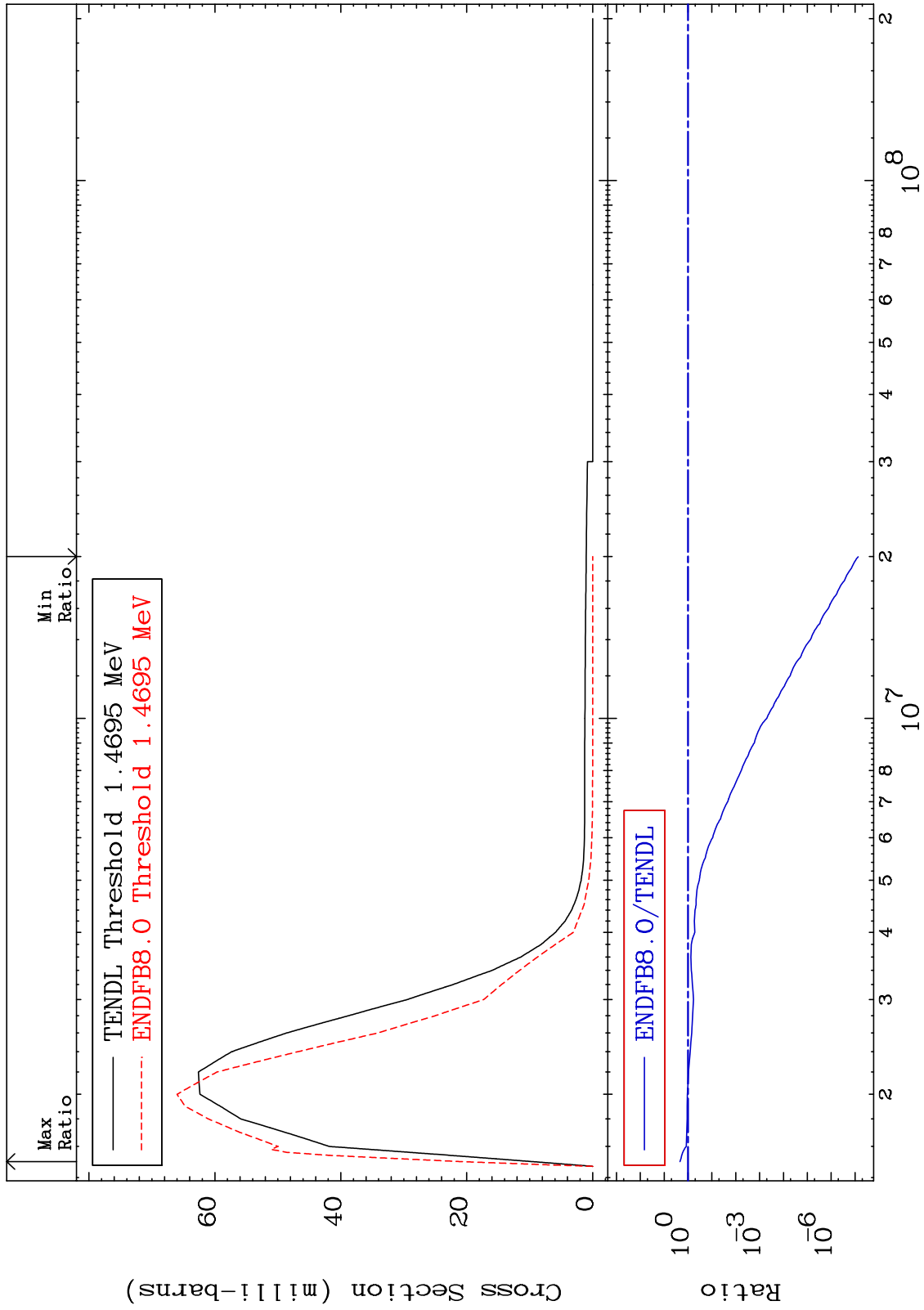
MAT 6449

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

64-Gd-160
-100.0 To 64.23 %



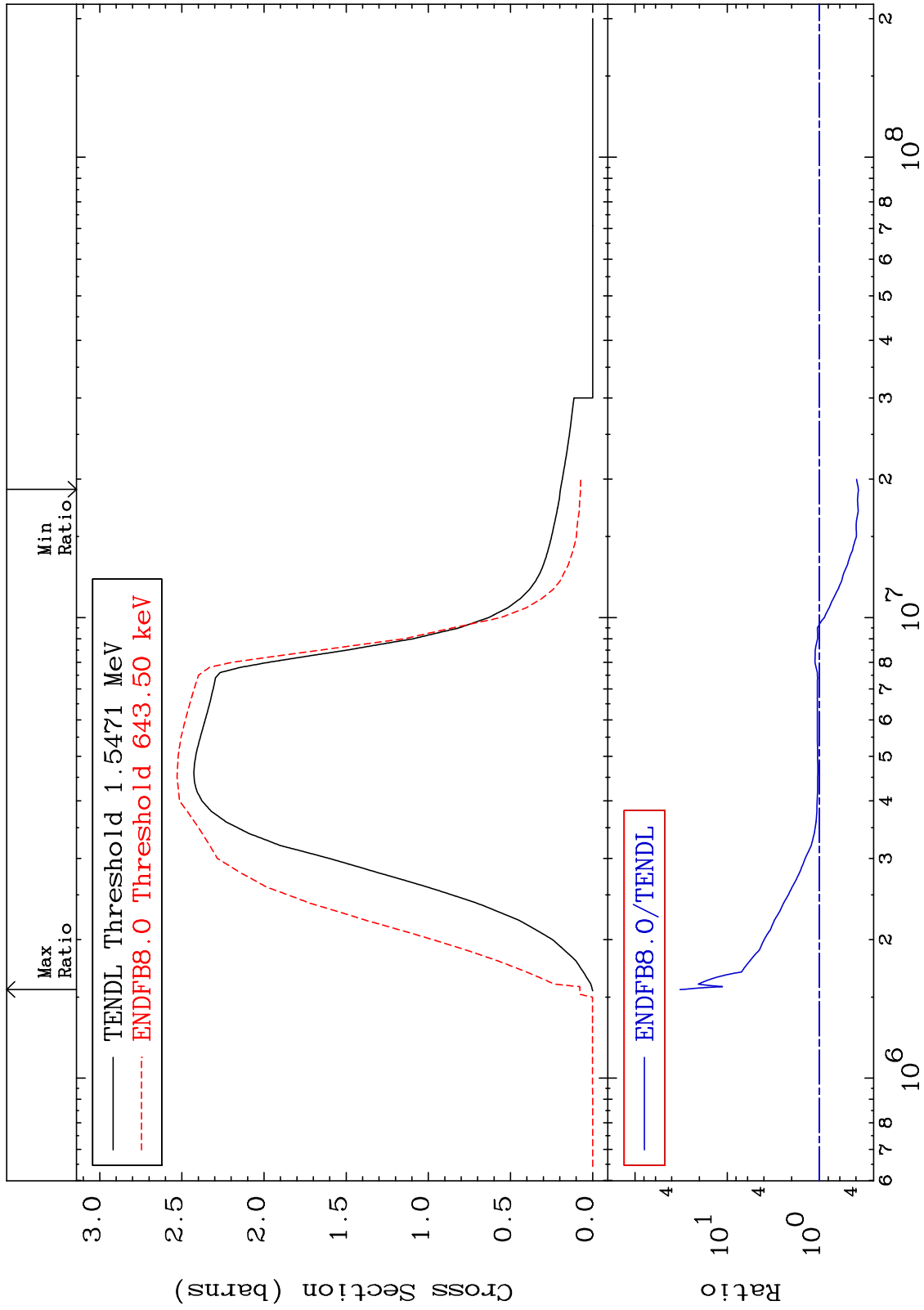
MAT 6449 MT= 77 (n,n') Level
Cross Section 64-Gd-160
-100.0 To 116.8 %



MAT 6449

(n, n') Continuum
Cross Section

64-Gd-160
-62.33 To 3149. %



37

64-Gd-160

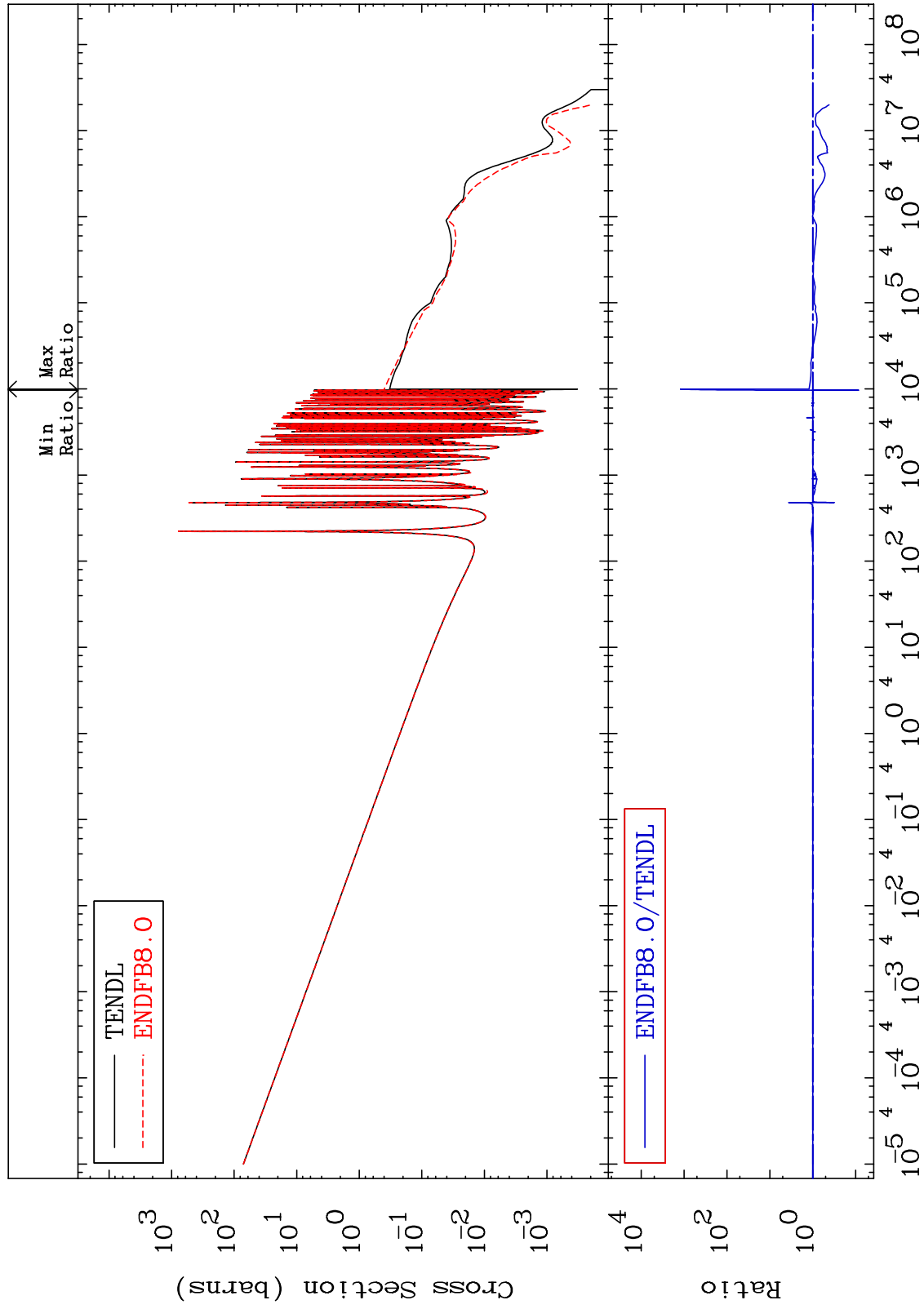
64-Gd-160

MAT 6449

(n, γ)
Cross Section

64-Gd-160

-91.43 To 9999. %



38

Incident Energy (eV)

64-Gd-160

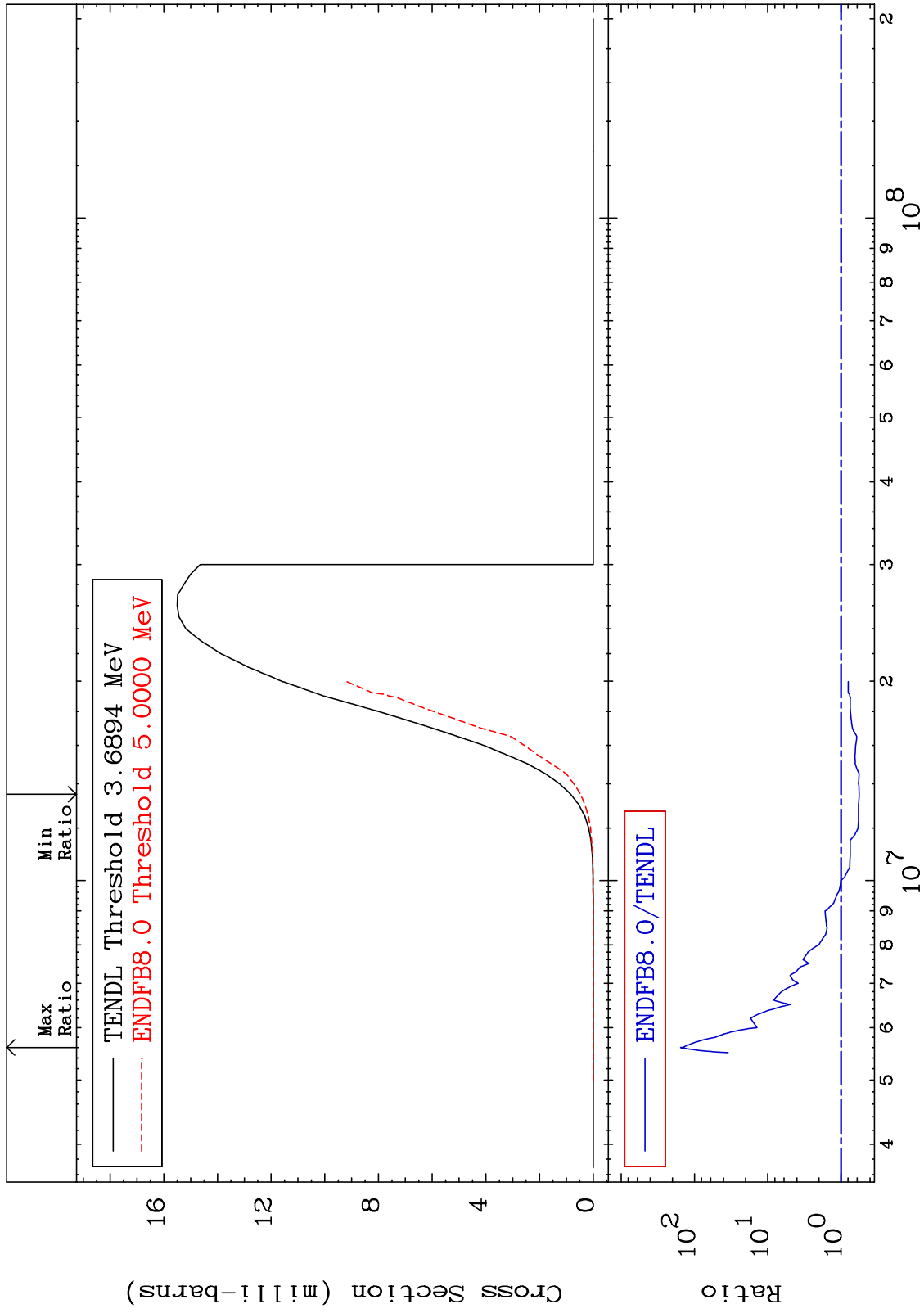
MAT 6449

(n,p)

64-Gd-160

Cross Section

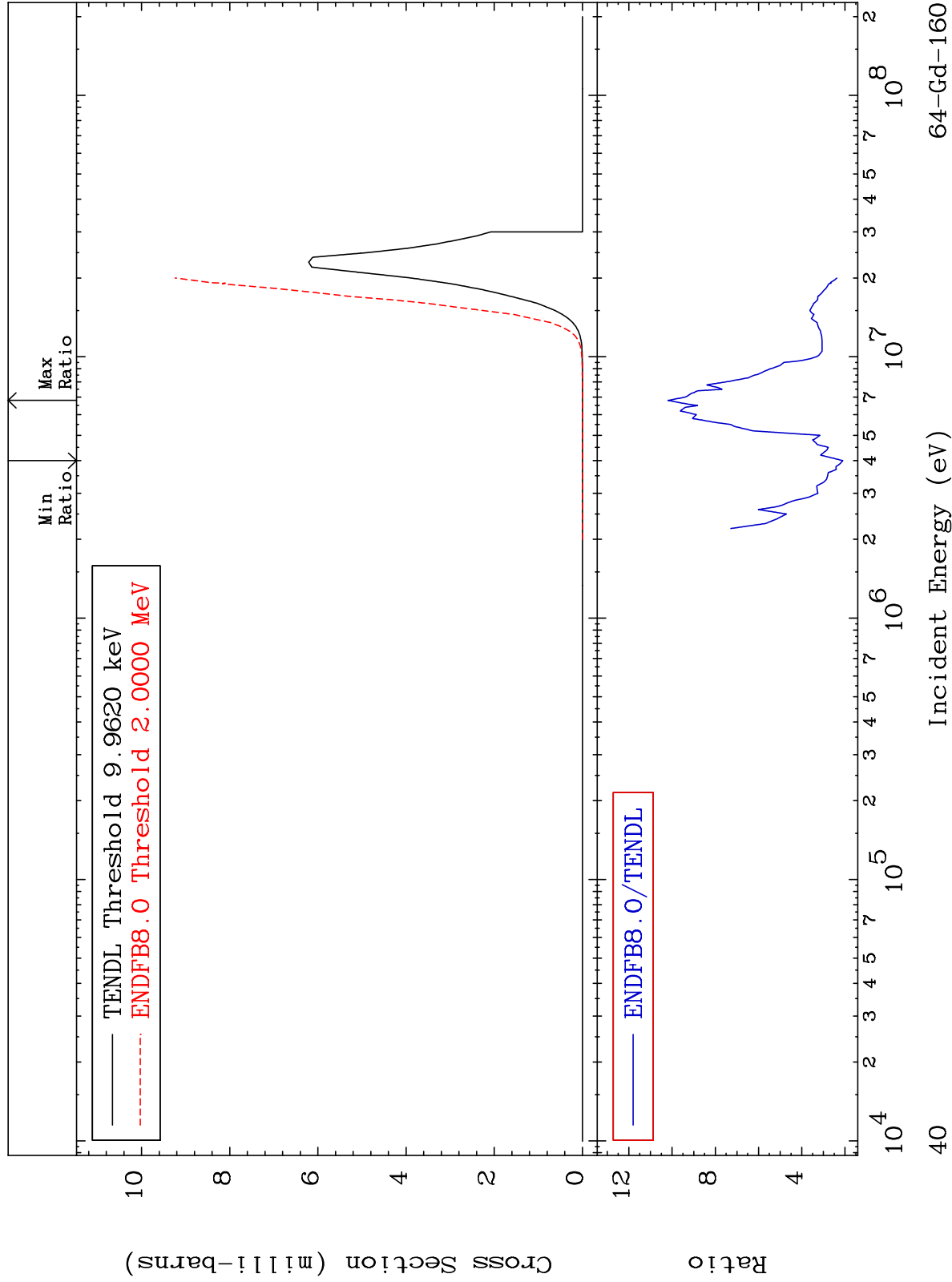
-43.63 To 9999. %



MAT 6449

(n, α)
Cross Section

64-Gd-160
110.0 To 918.9 %

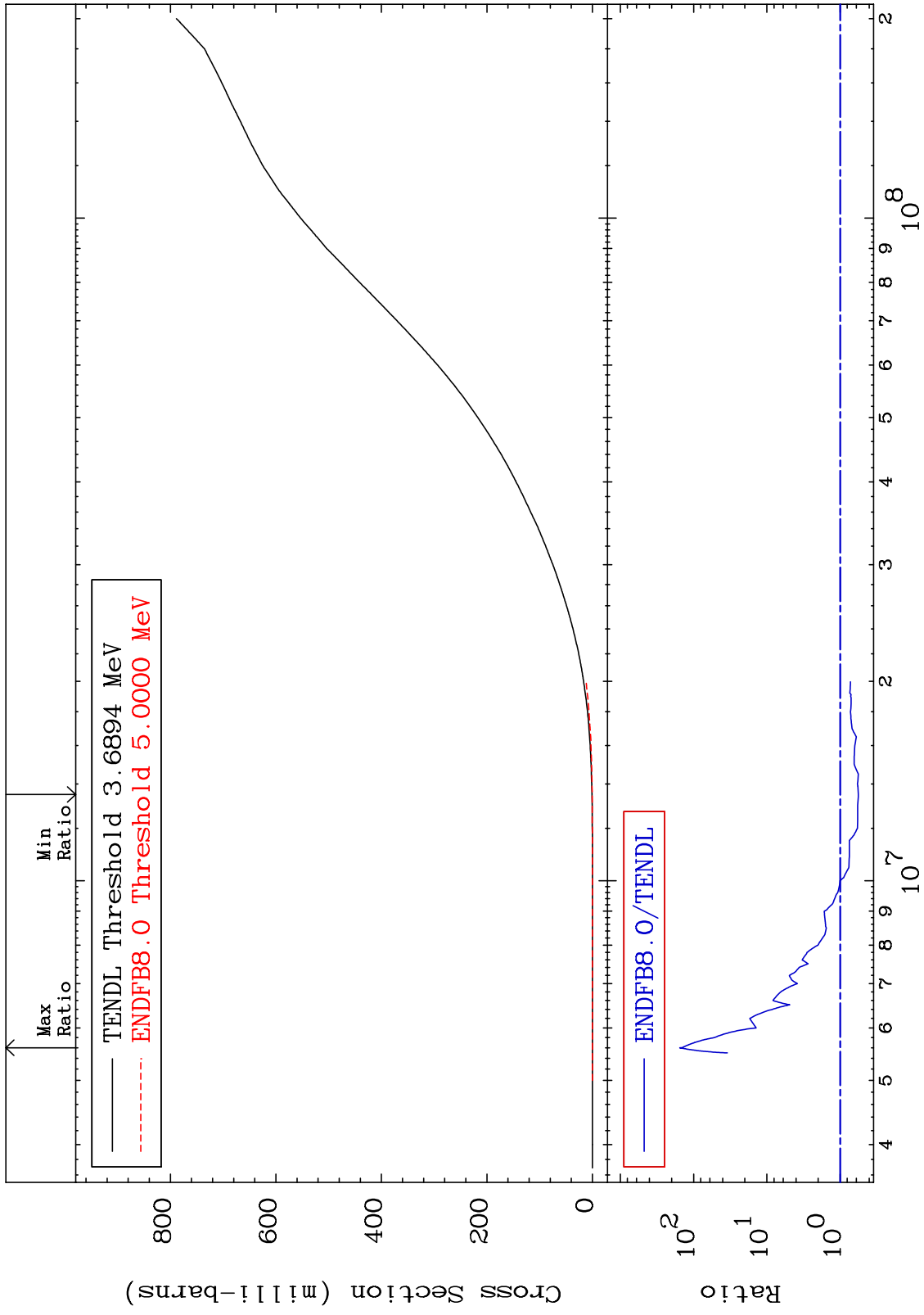


64-Gd-160

MAT 6449

Hydrogen Production
Cross Section

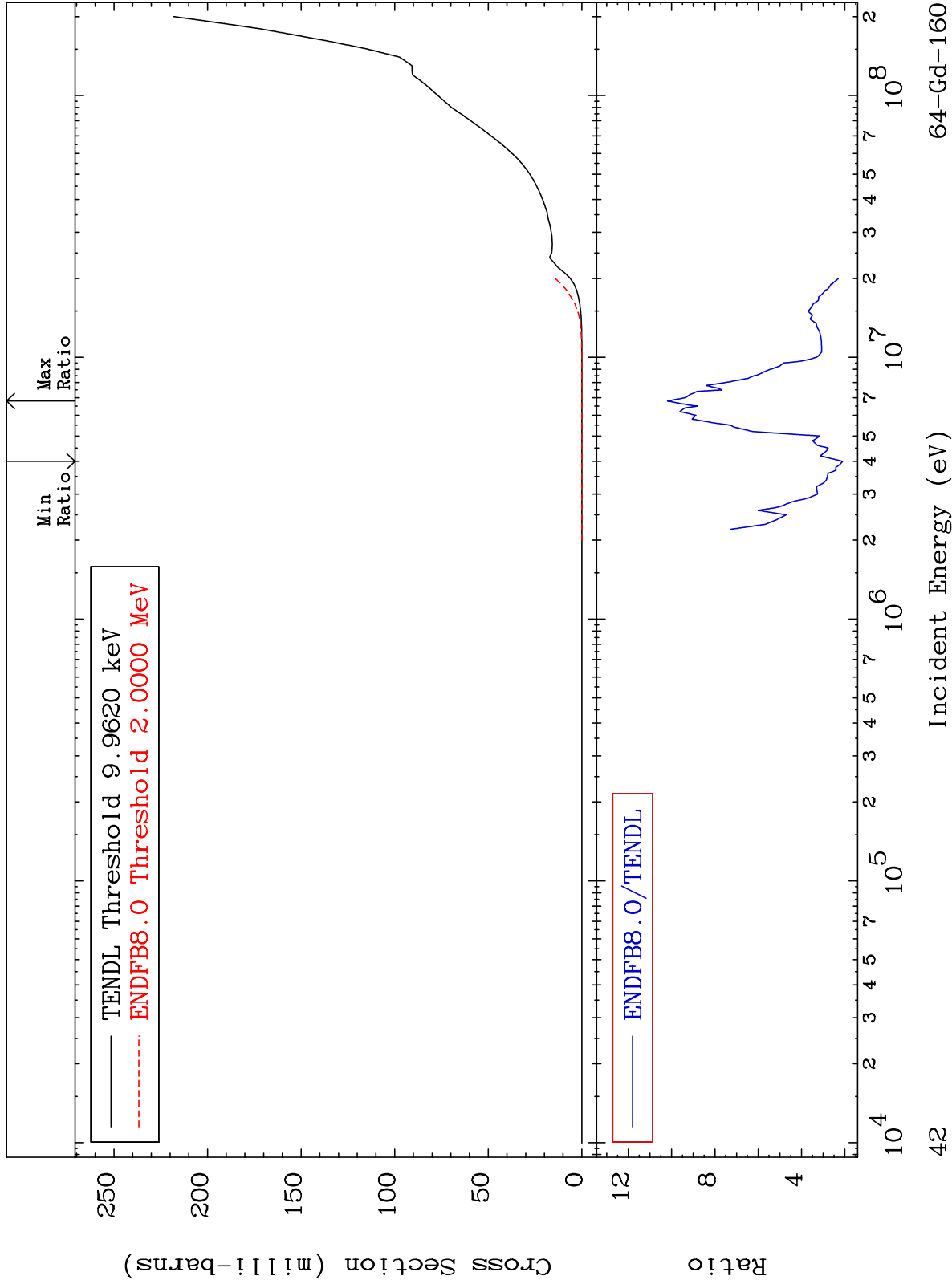
64-Gd-160
-43.62 To 9999. %



MAT 6449

He-4 Production
Cross Section

64-Gd-160
110.0 To 918.9 %

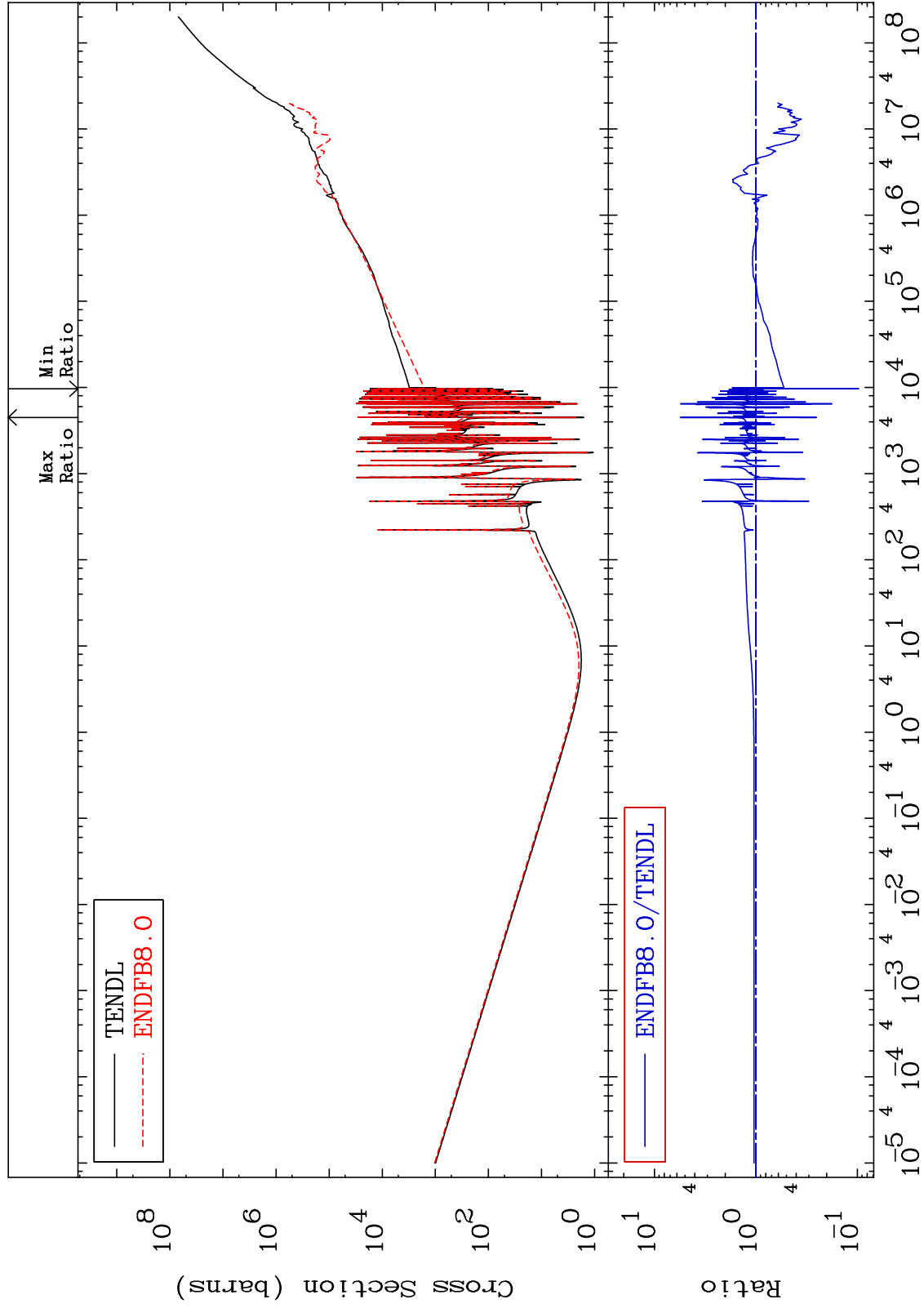


64-Gd-160

MAT 6449

Kerma total (eV-barns)
Cross Section

64-Gd-160
-90.27 To 453.5 %



43

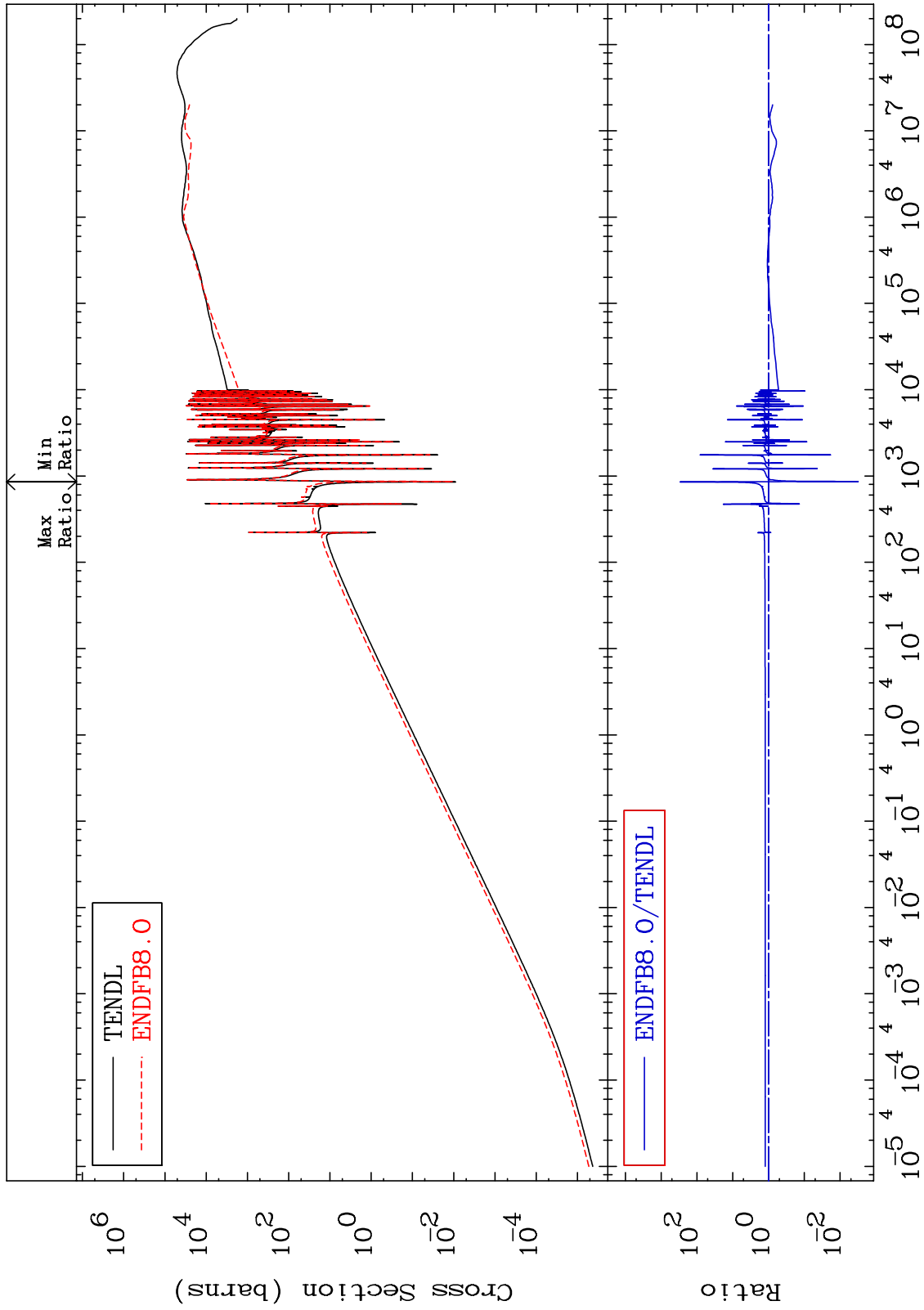
Incident Energy (eV)

64-Gd-160

MAT 6449

Kerma elastic
Cross Section

64-Gd-160
-99.69 To 9999. %



44

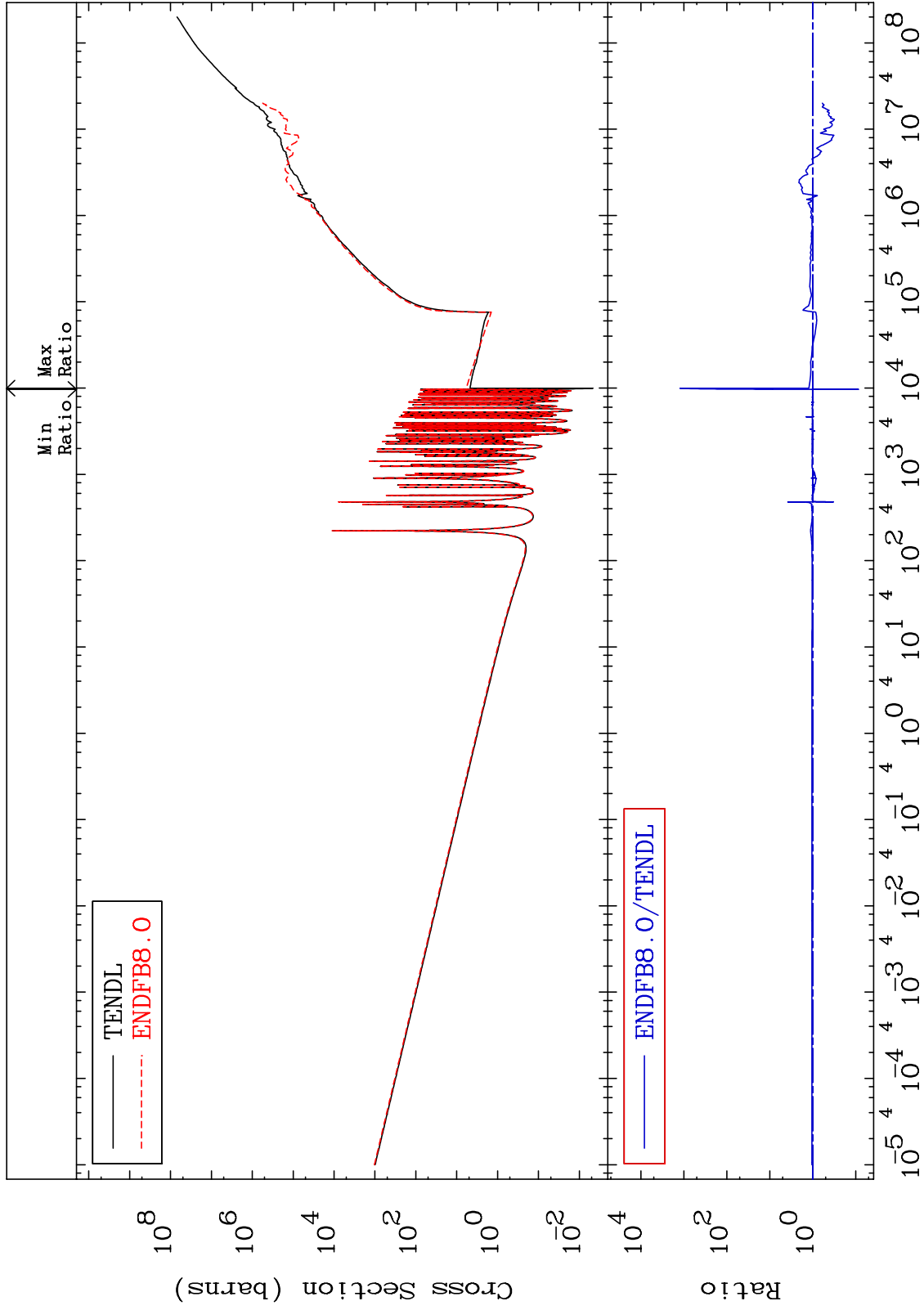
Incident Energy (eV)

64-Gd-160

MAT 6449

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-160
-91.34 To 9999. %



45

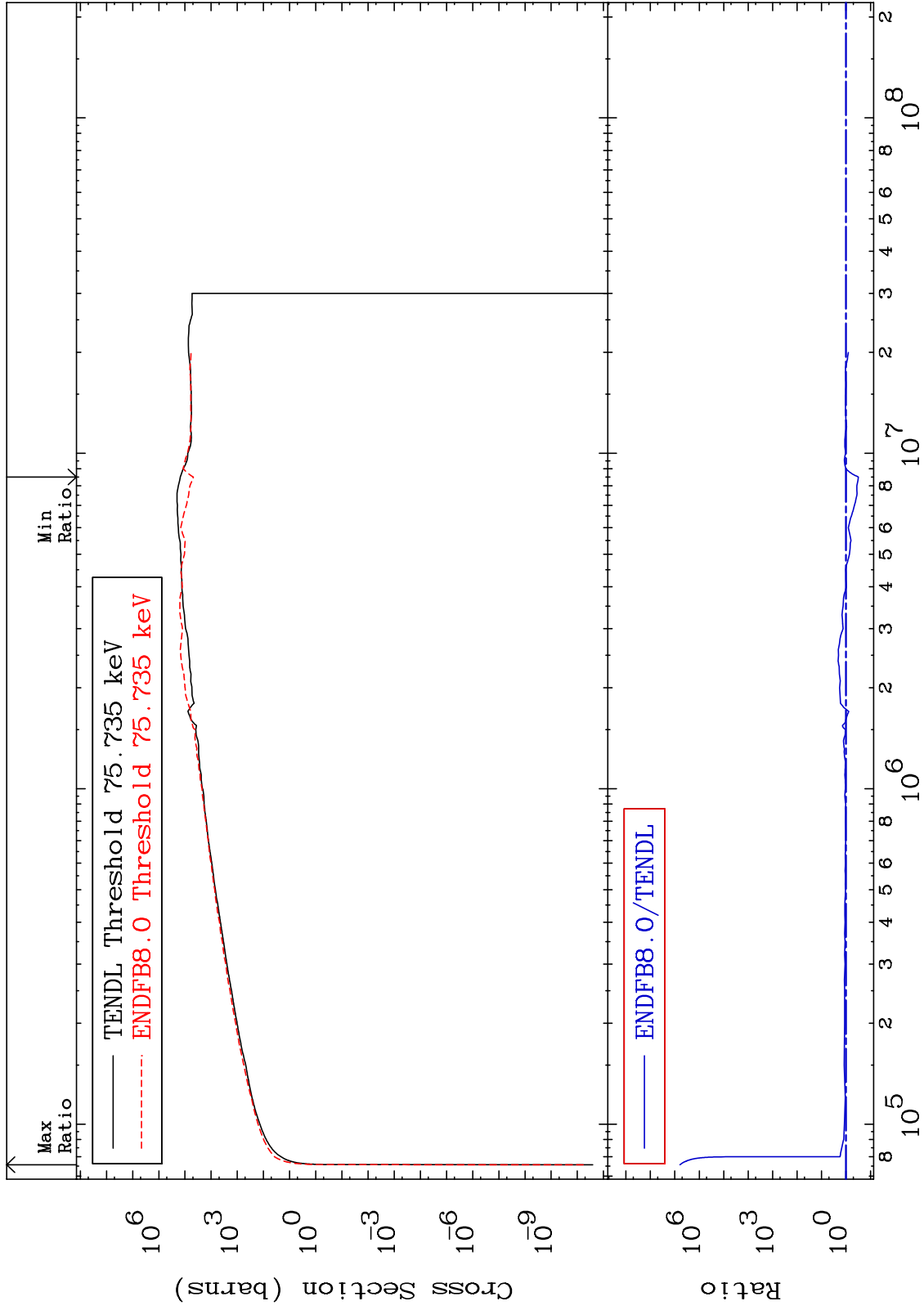
Incident Energy (eV)

64-Gd-160

MAT 6449

Kerma inelastic (mt51-91)
Cross Section

64-Gd-160
-68.81 To 9999. %



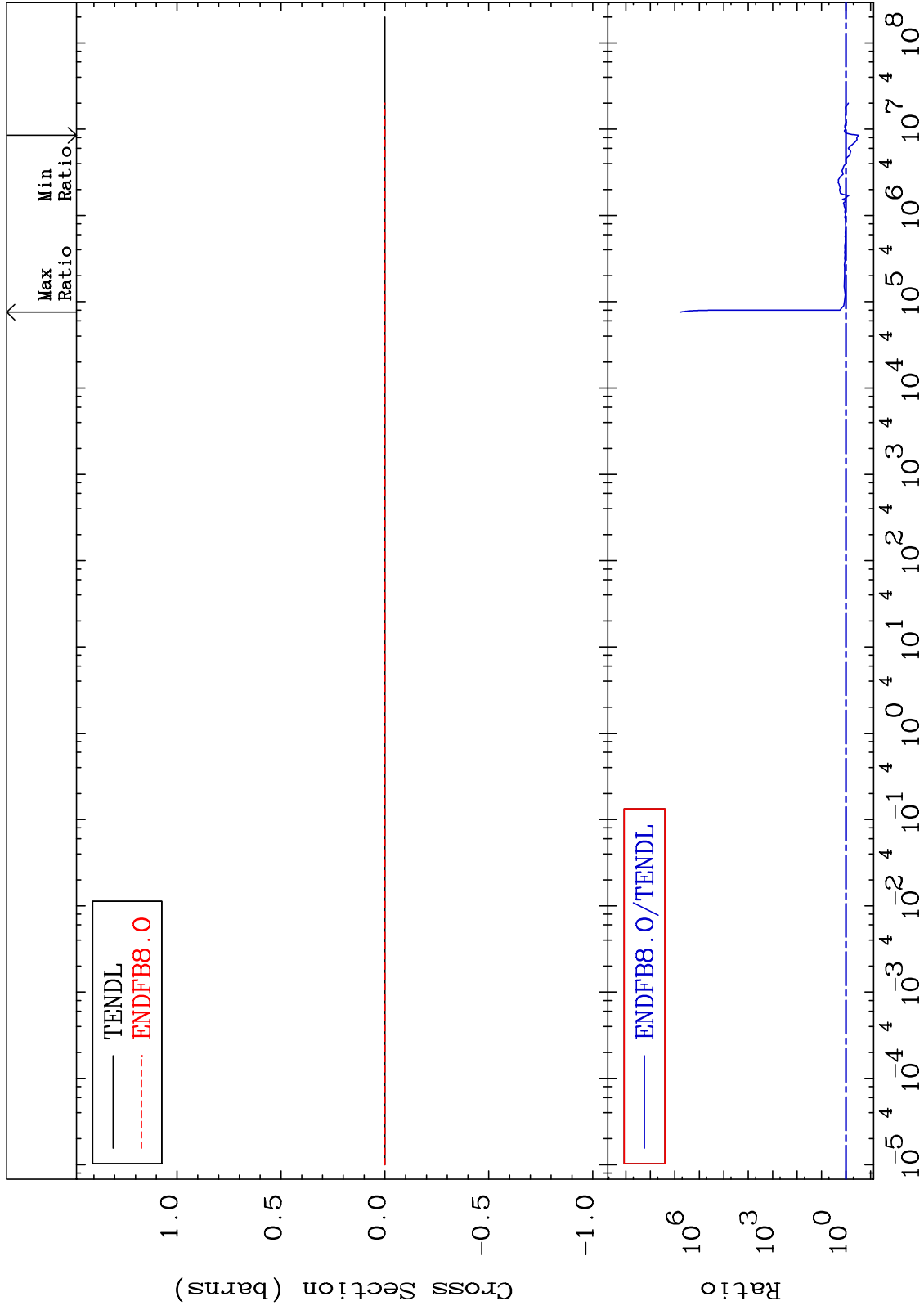
46

64-Gd-160

MAT 6449

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

64-Gd-160
-68.81 To 9999. %



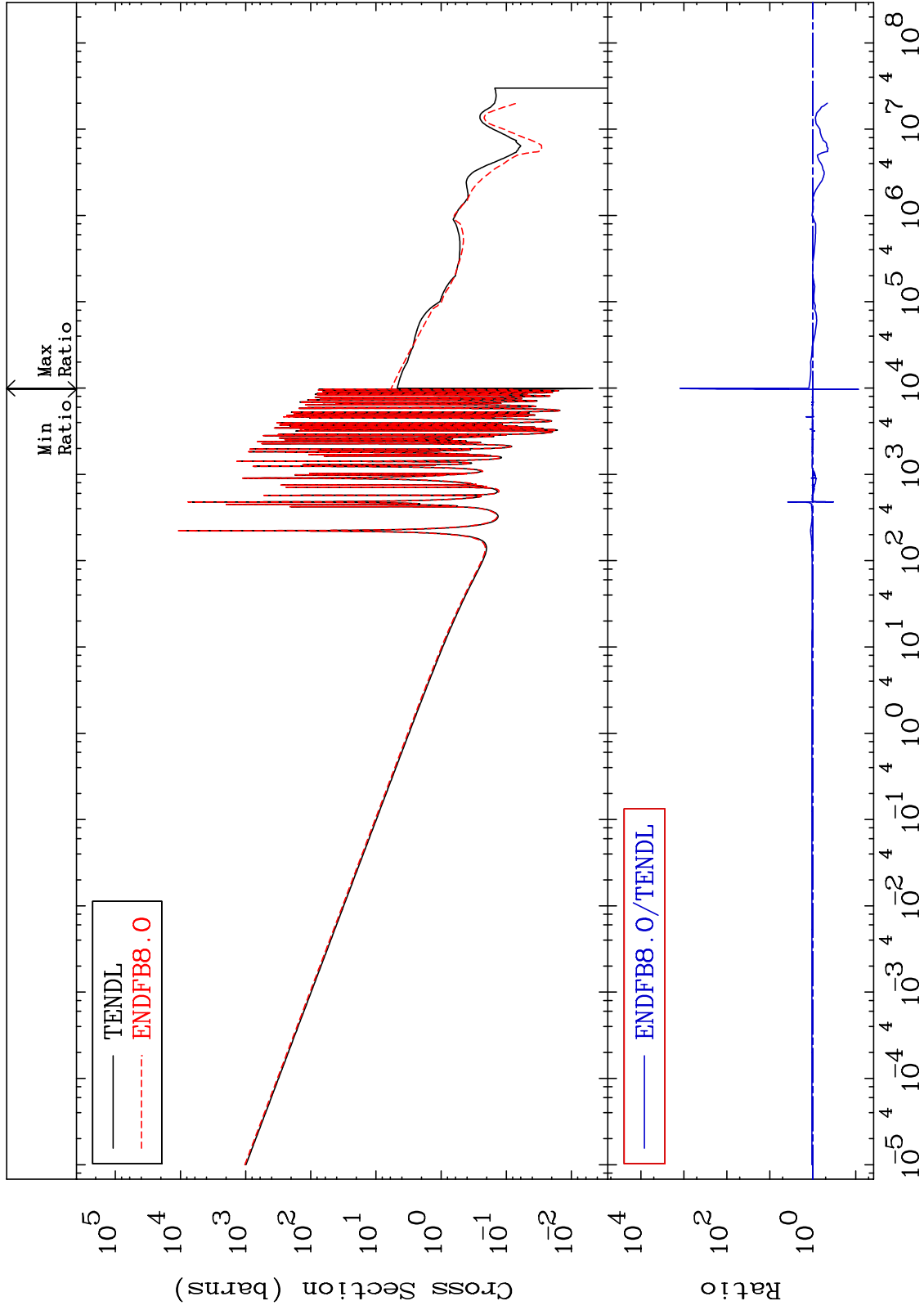
47

64-Gd-160

MAT 6449

Kerma capture (mt102)
Cross Section

64-Gd-160
-91.34 To 9999. %



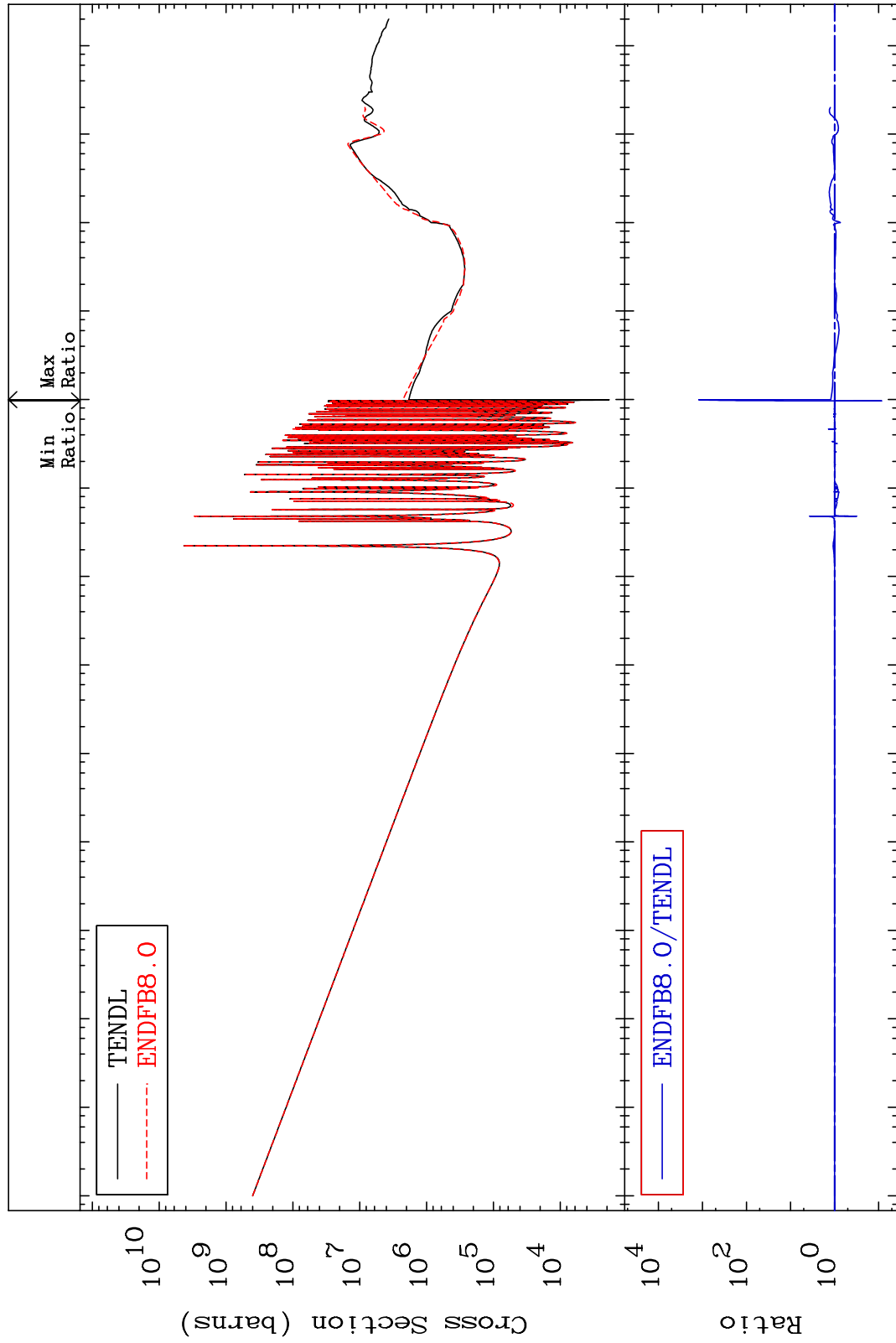
48

64-Gd-160

MAT 6449

Total photon (eV-barns)
Cross Section

64-Gd-160
-91.44 To 9999. %



49

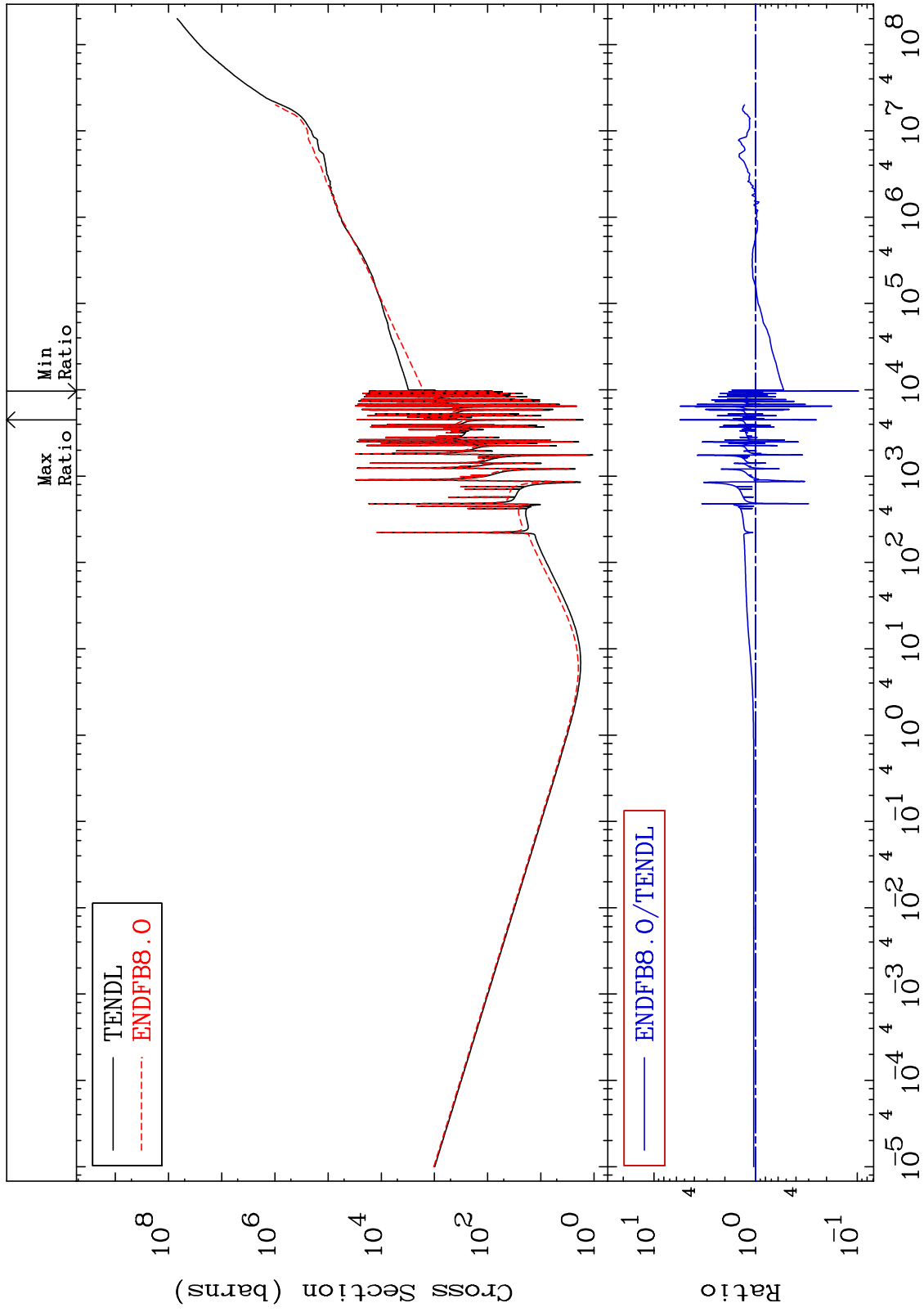
Incident Energy (eV)

64-Gd-160

MAT 6449

Total kinematic kerma (high limit)
Cross Section

64-Gd-160
-90.27 To 453.5 %



50

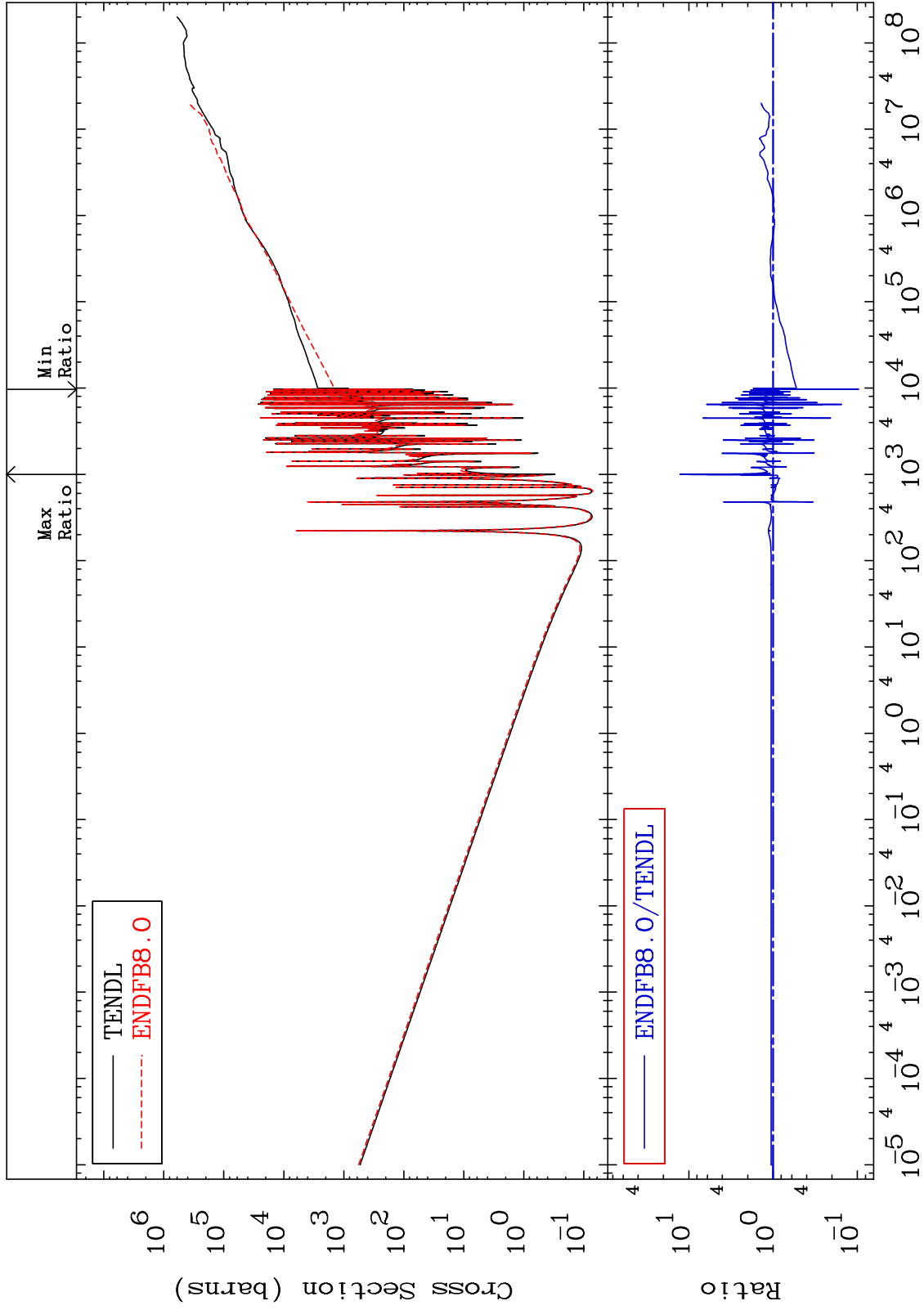
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa total (eV-barns)
Cross Section

64-Gd-160
-90.28 To 1171. %



51

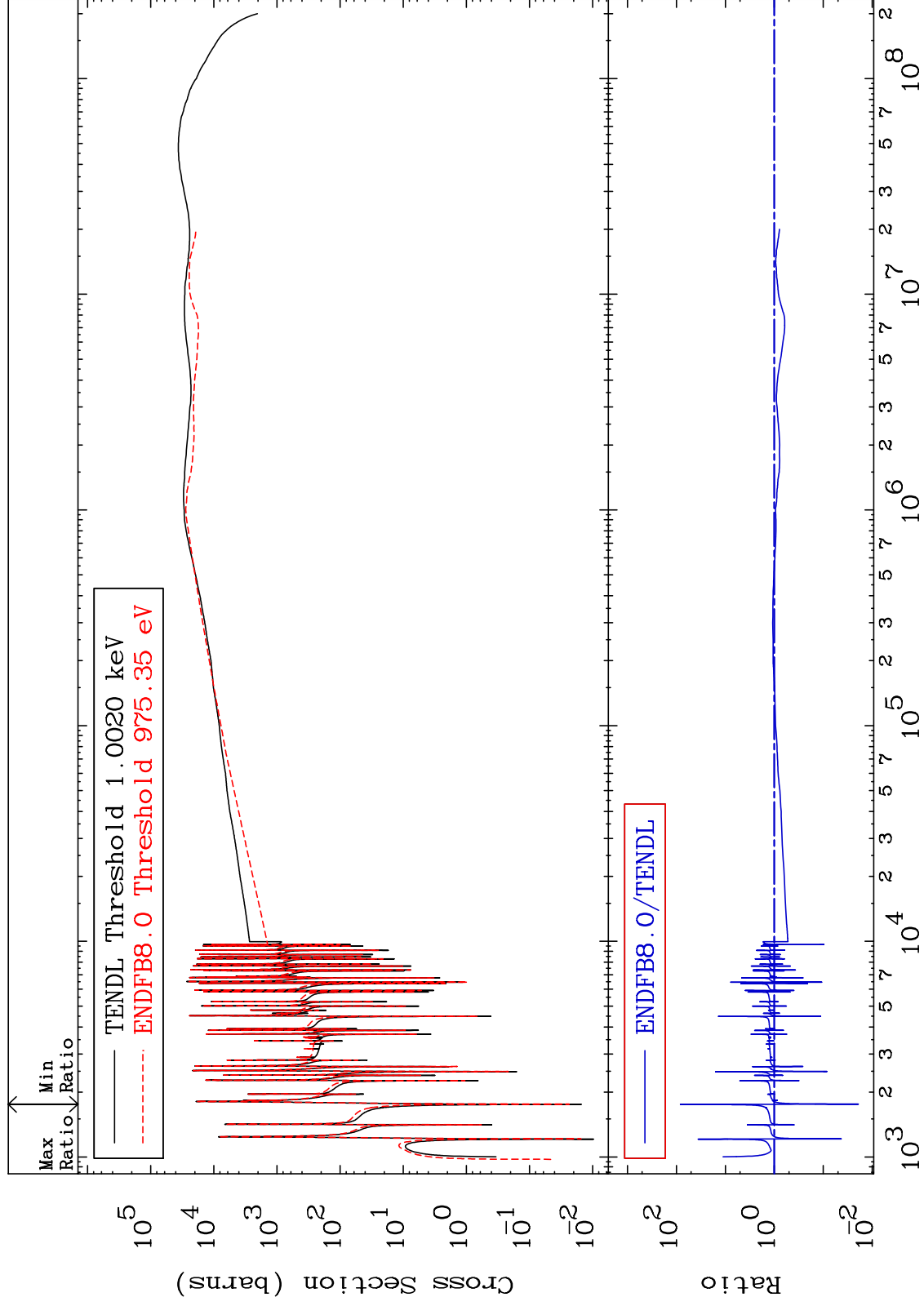
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa elastic (mt2)
Cross Section

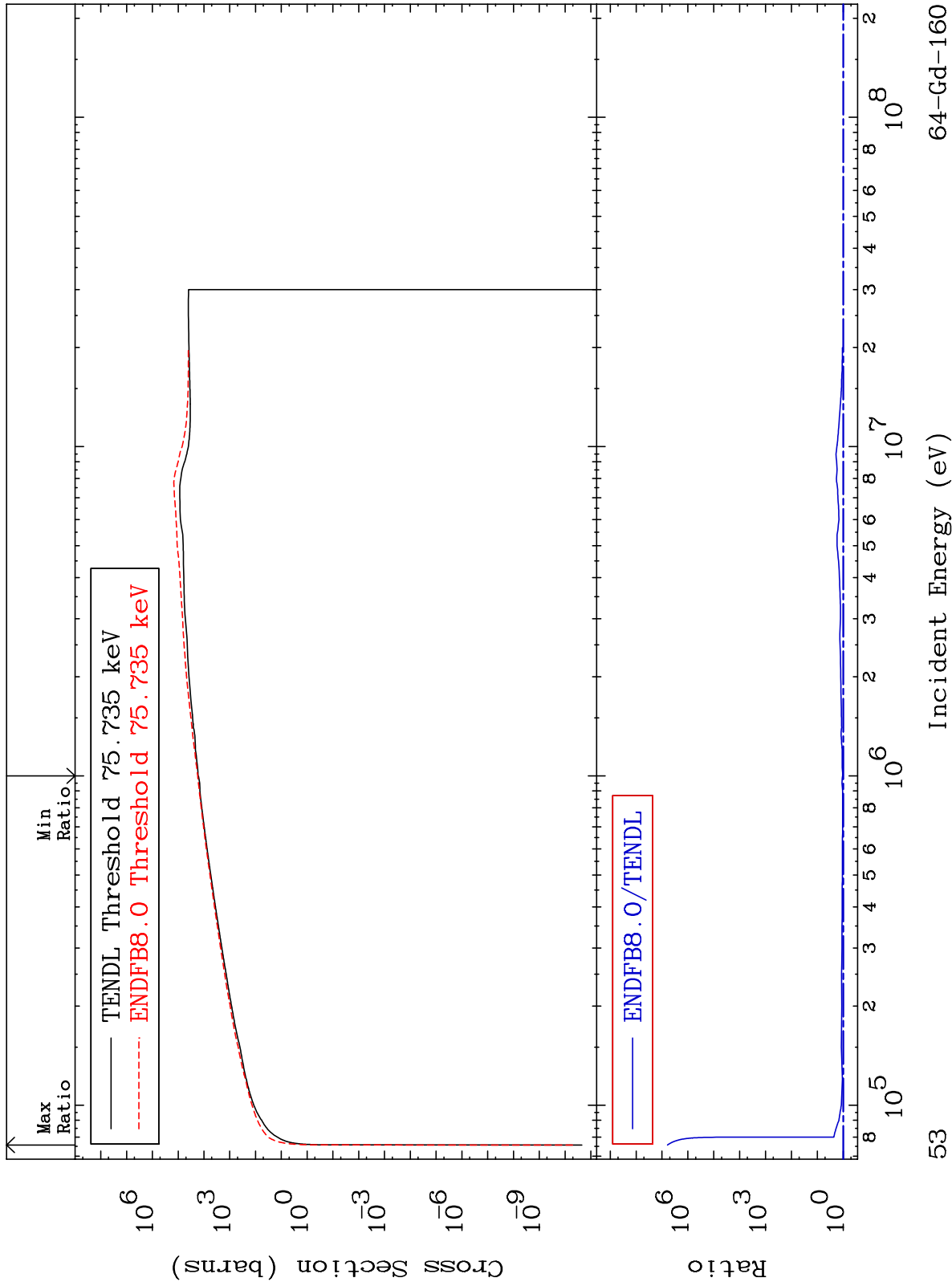
64-Gd-160
-98.09 To 8161. %



52

64-Gd-160

MAT 6449 Dpa inelastic (mt51-91) 64-Gd-160
Cross Section 4.556 To 9999. %



MAT 6449

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-160
-91.34 To 9999. %

