

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

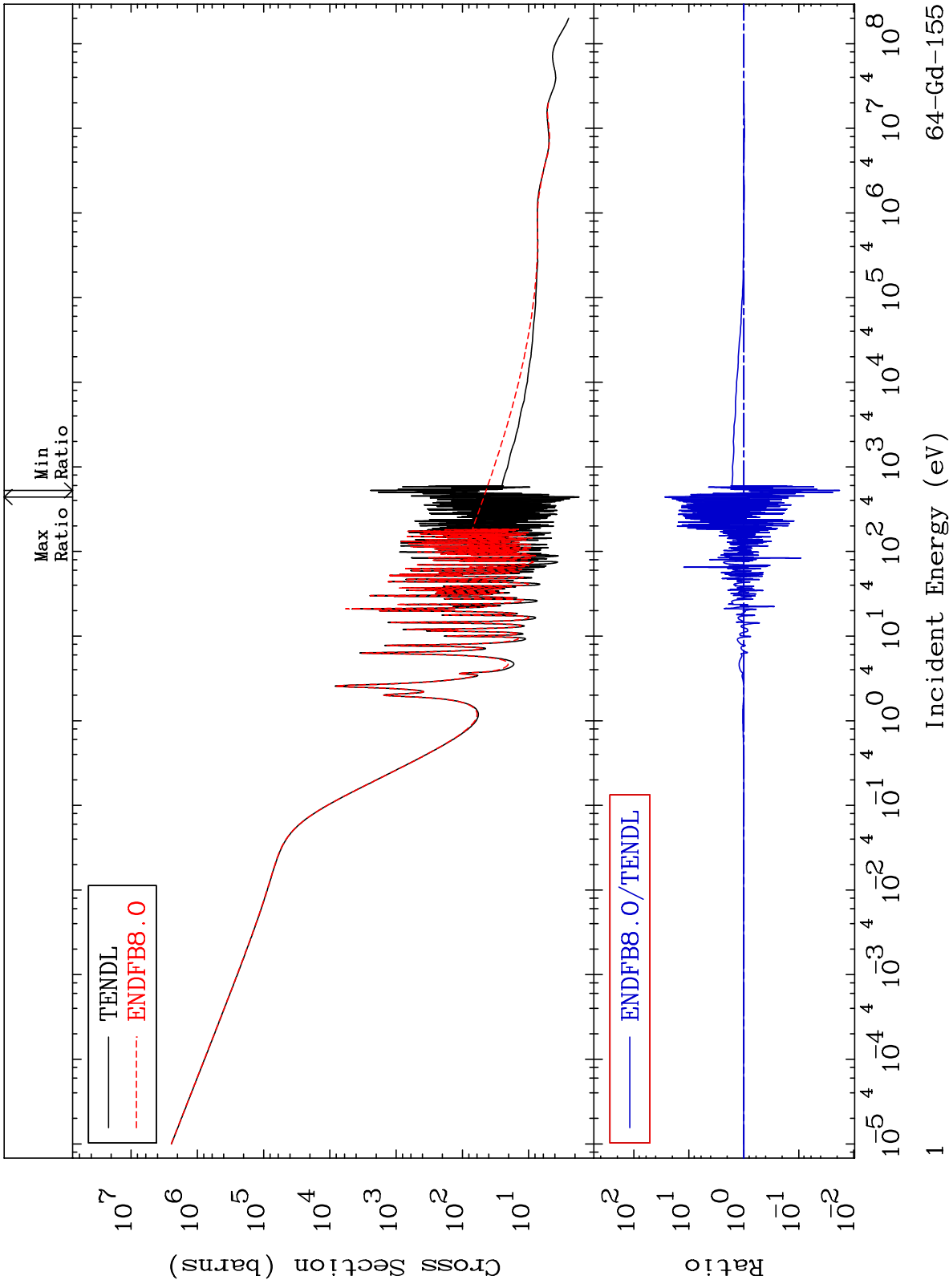
MAT 6434

Total

64-Gd-155

Cross Section

-98.20 To 2642. %



Incident Energy (eV)

64-Gd-155

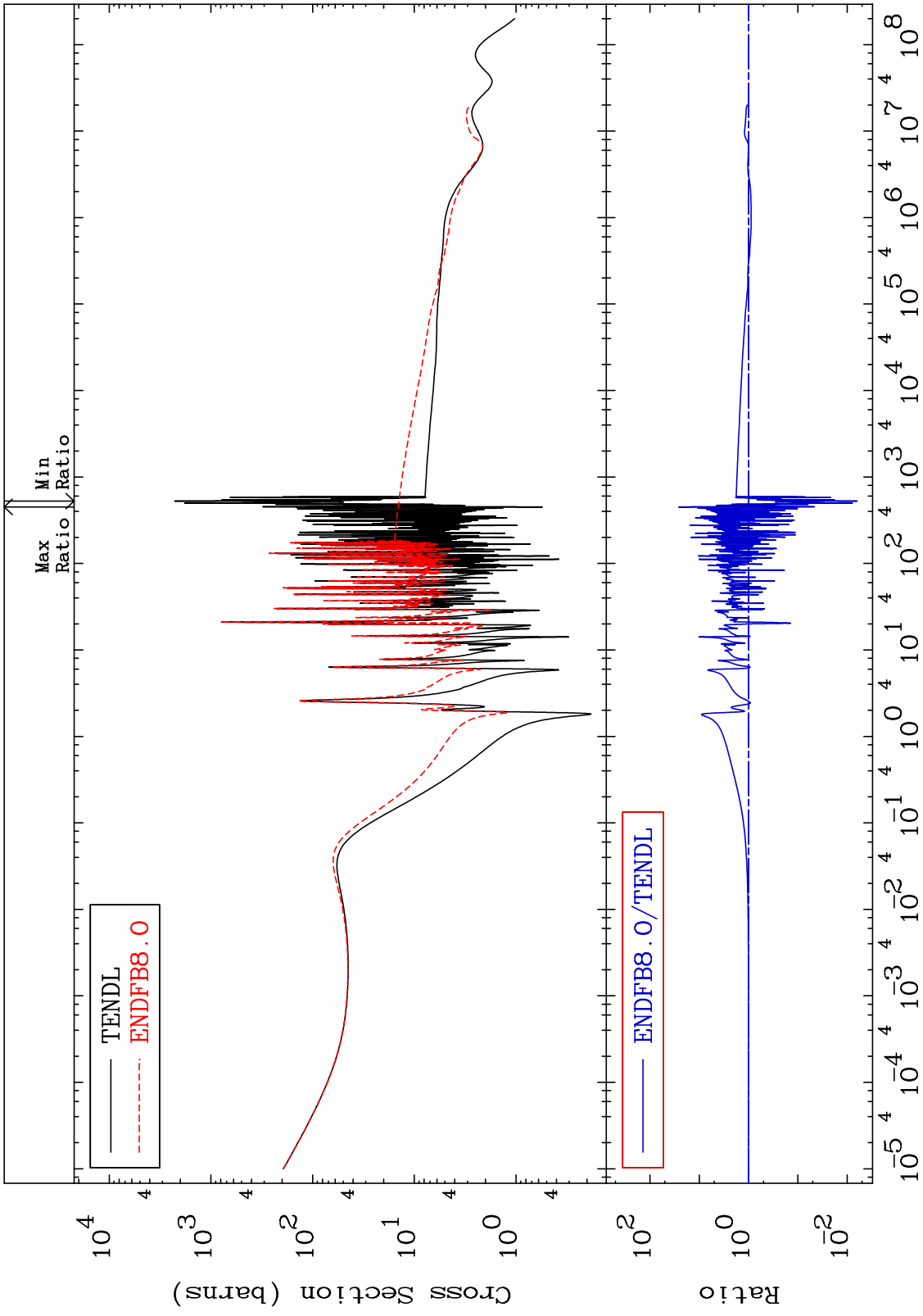
MAT 6434

Elastic

64-Gd-155

Cross Section

-99.37 To 2516. %

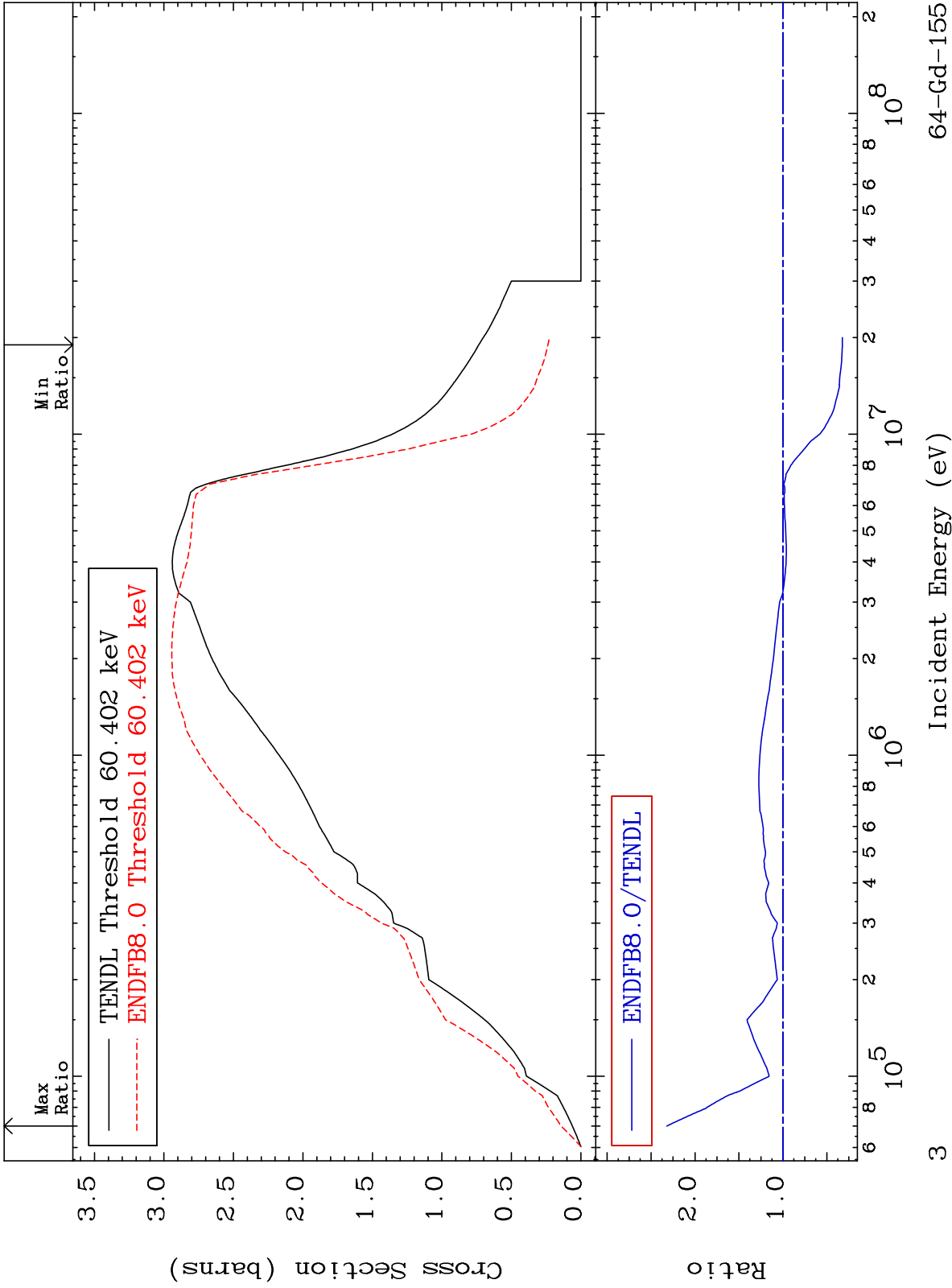


Incident Energy (eV)

64-Gd-155

2

MAT 6434 Inelastic Cross Section 64-Gd-155 -67.75 To 132.1 %



3 64-Gd-155

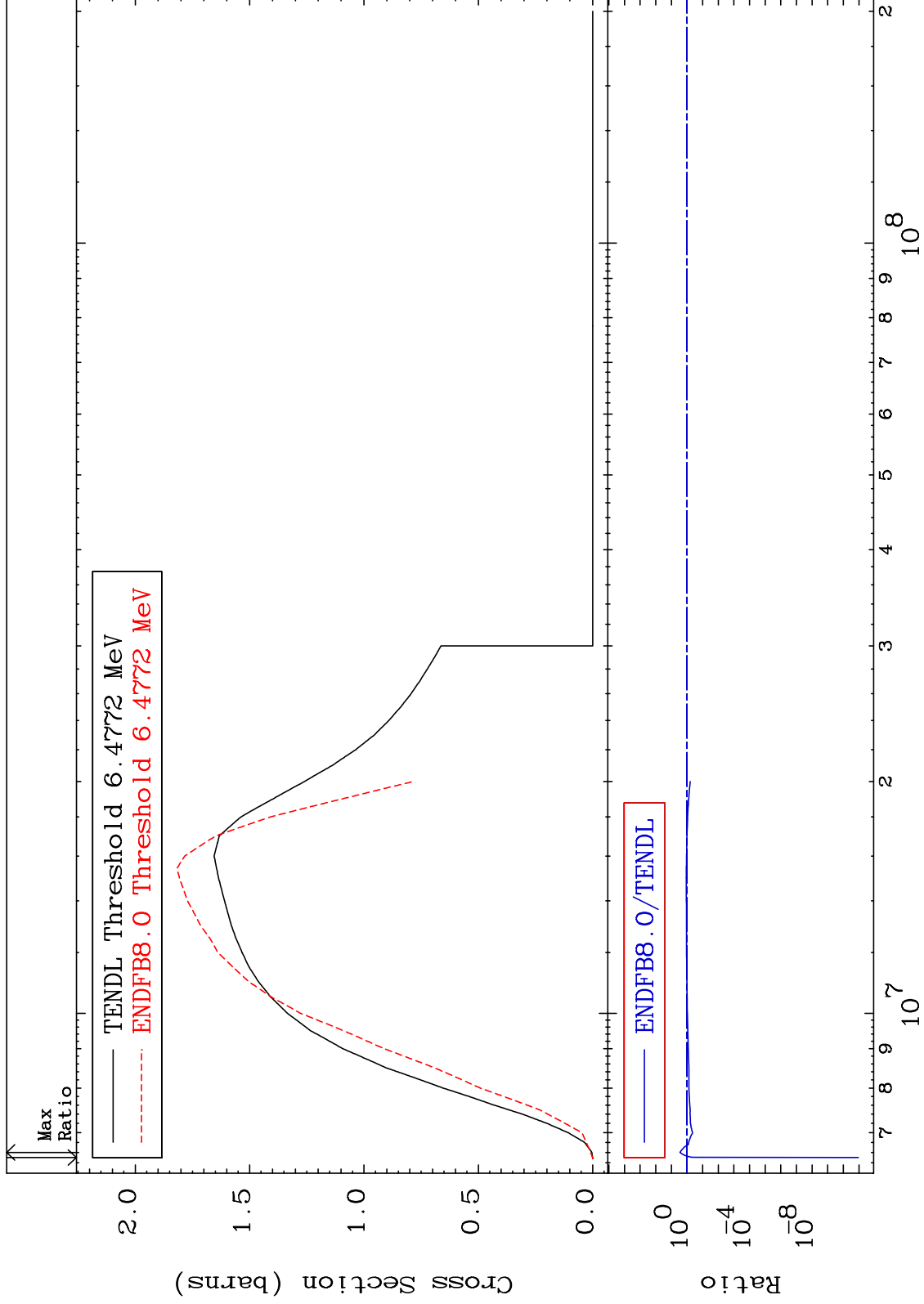
MAT 6434

(n,2n)

64-Gd-155

Cross Section

-100.0 To 180.9 %



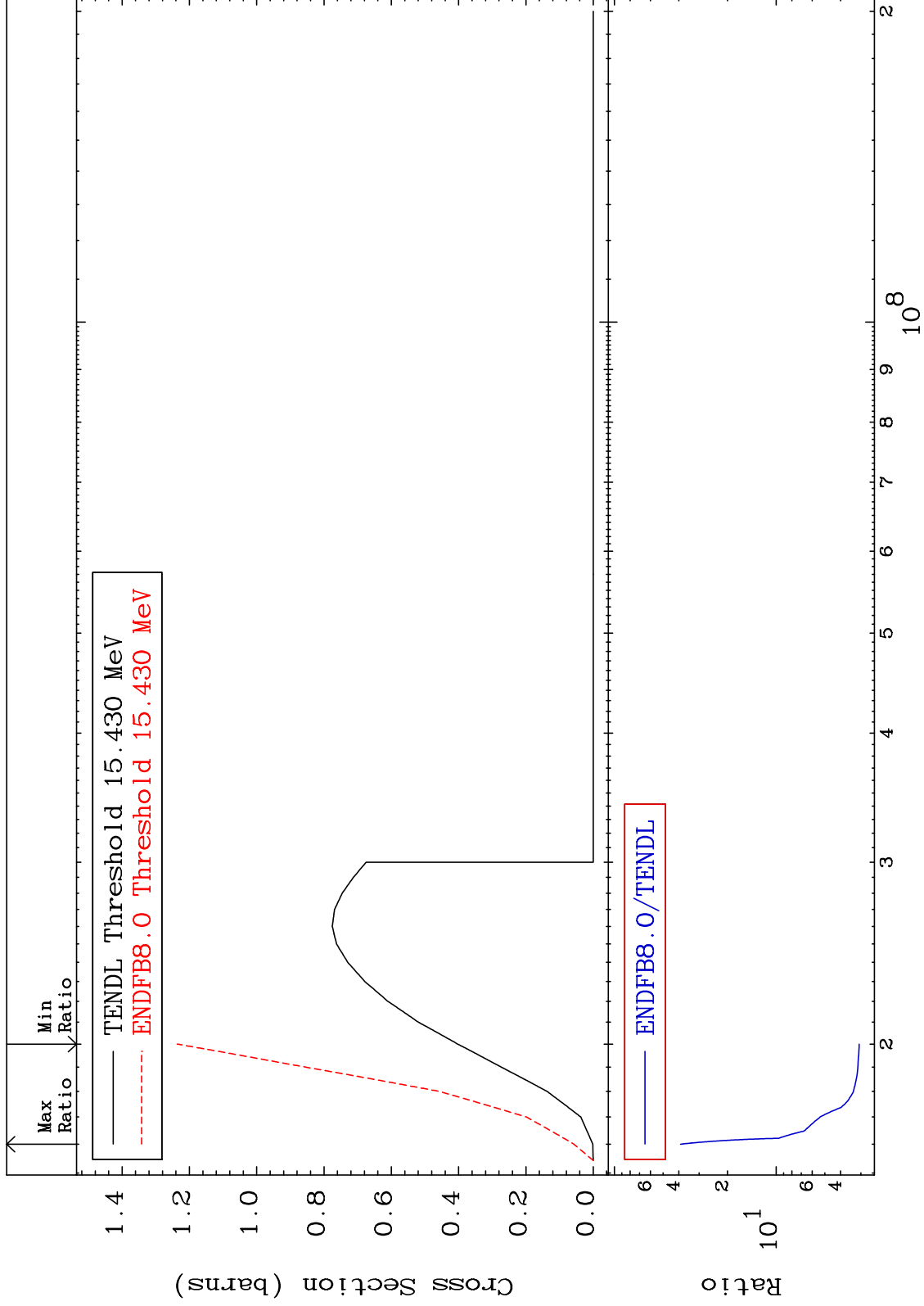
MAT 6434

(n,3n)

64-Gd-155

Cross Section

207.1 To 3799. %



5

Incident Energy (eV)

64-Gd-155

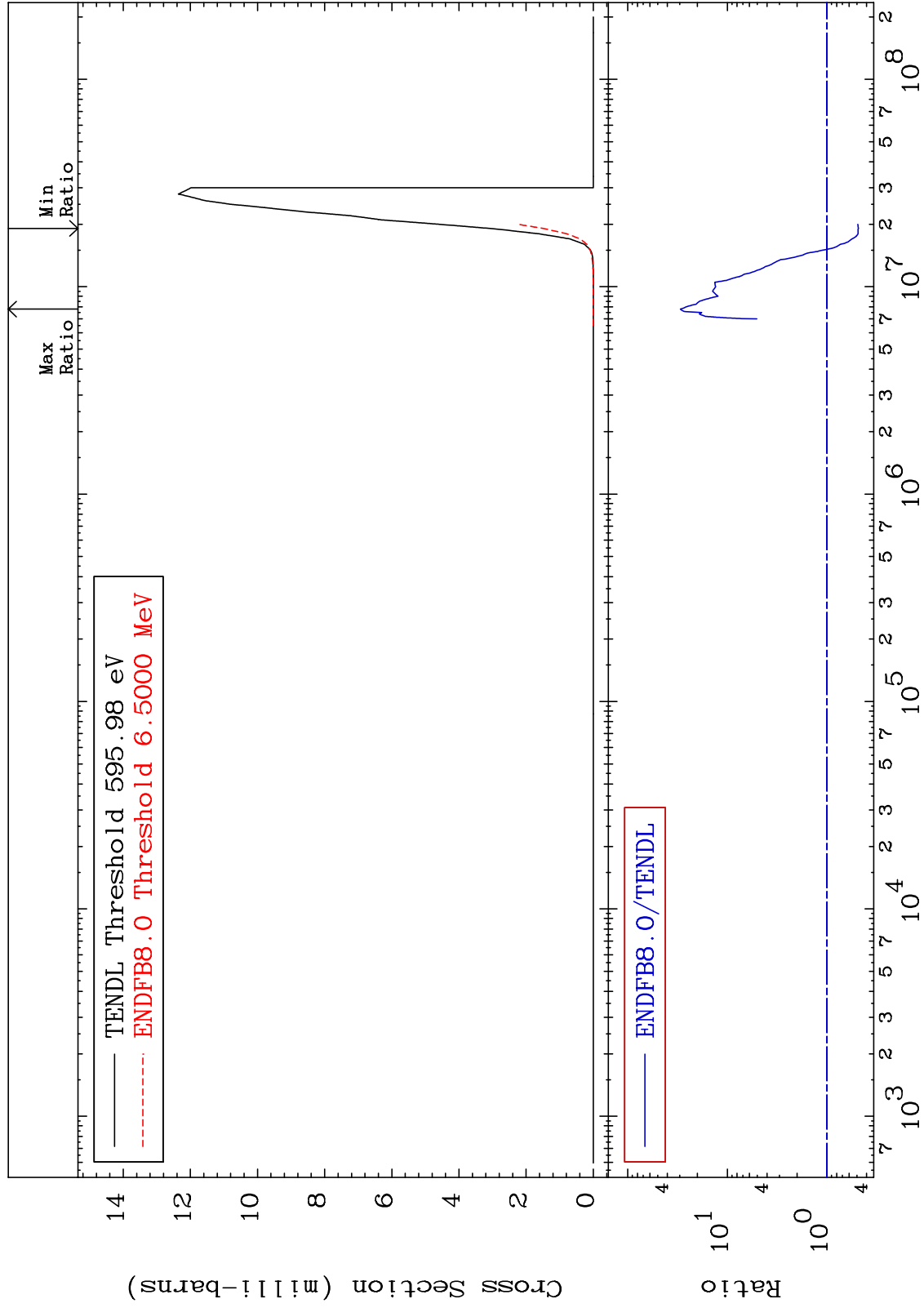
MAT 6434

(n, n') α

Cross Section

64-Gd-155

-51.78 To 2857. %



6

Incident Energy (eV)

64-Gd-155

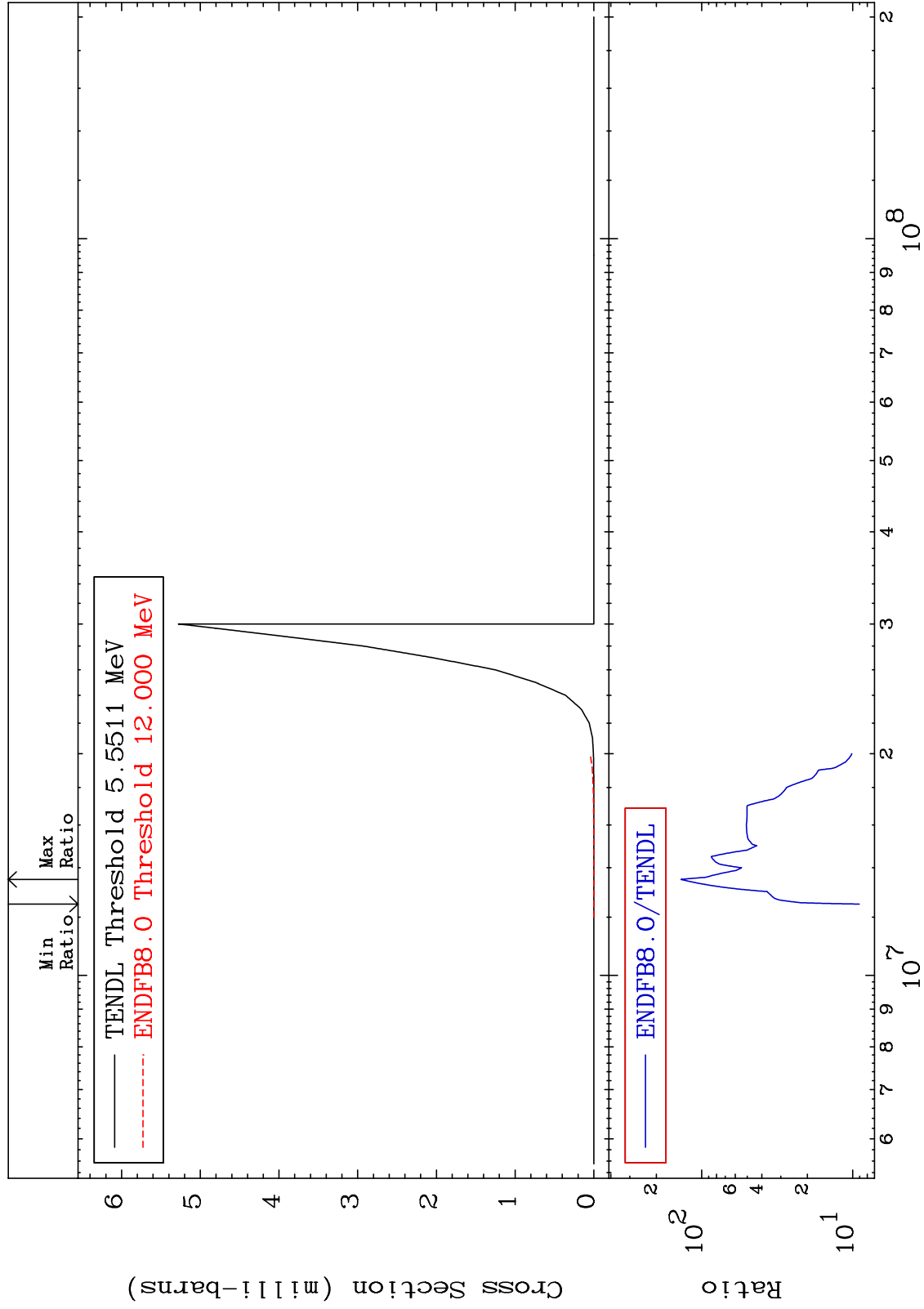
MAT 6434

(n,2n) α

64-Gd-155

Cross Section

805.4 To 9999. %



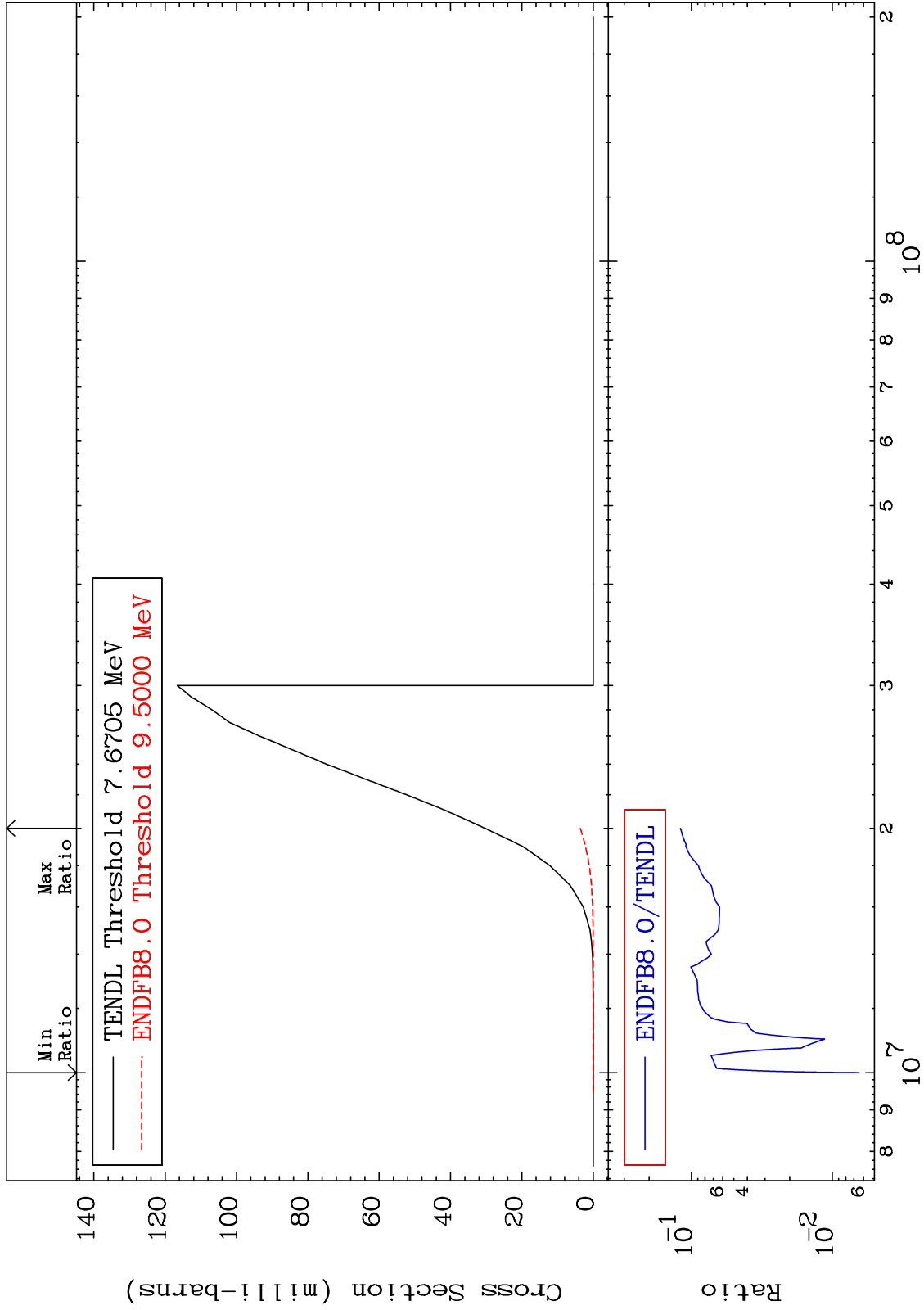
MAT 6434

(n,n') p

64-Gd-155

Cross Section

-99.36 To -88.07%



8

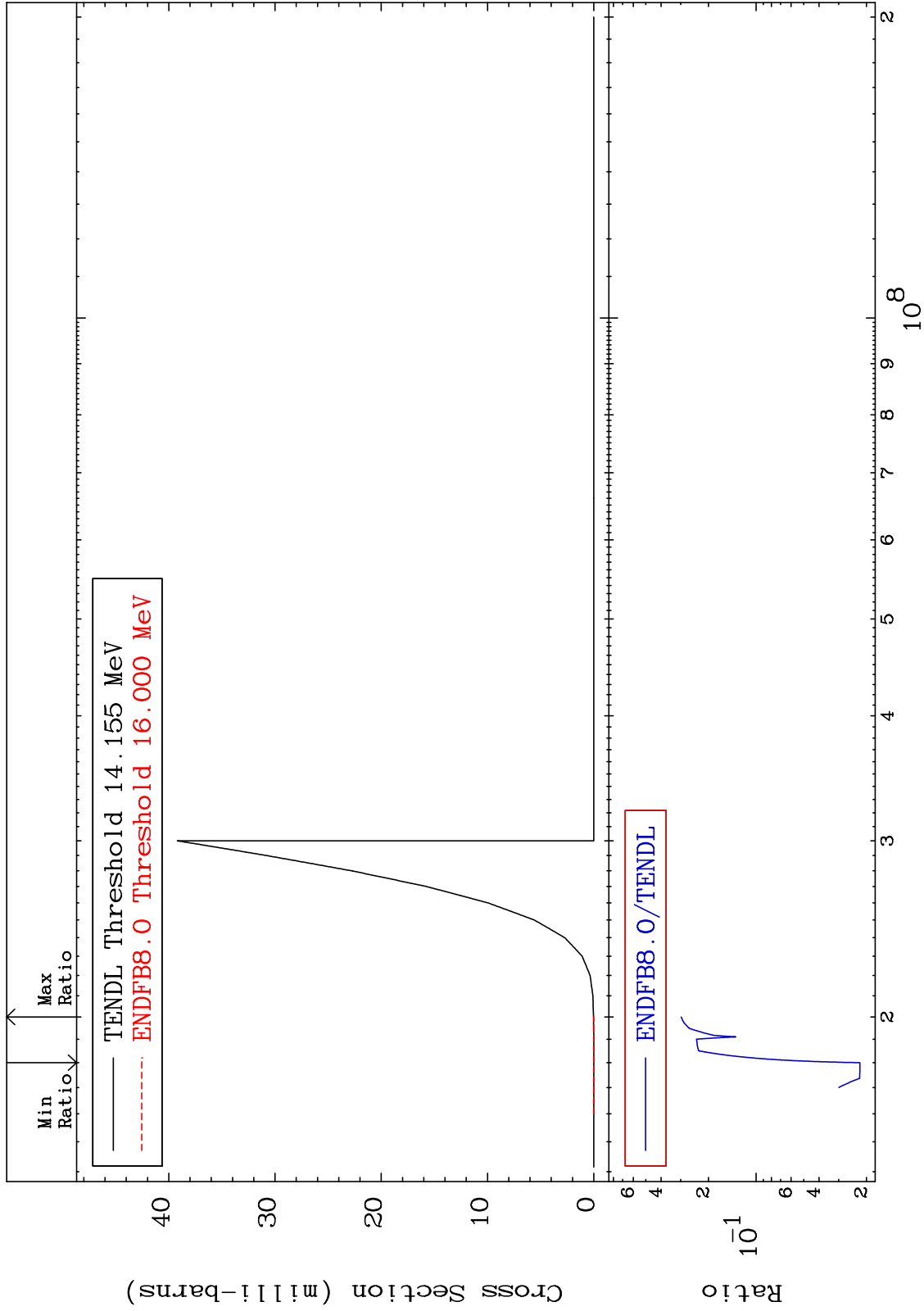
Incident Energy (eV)

64-Gd-155

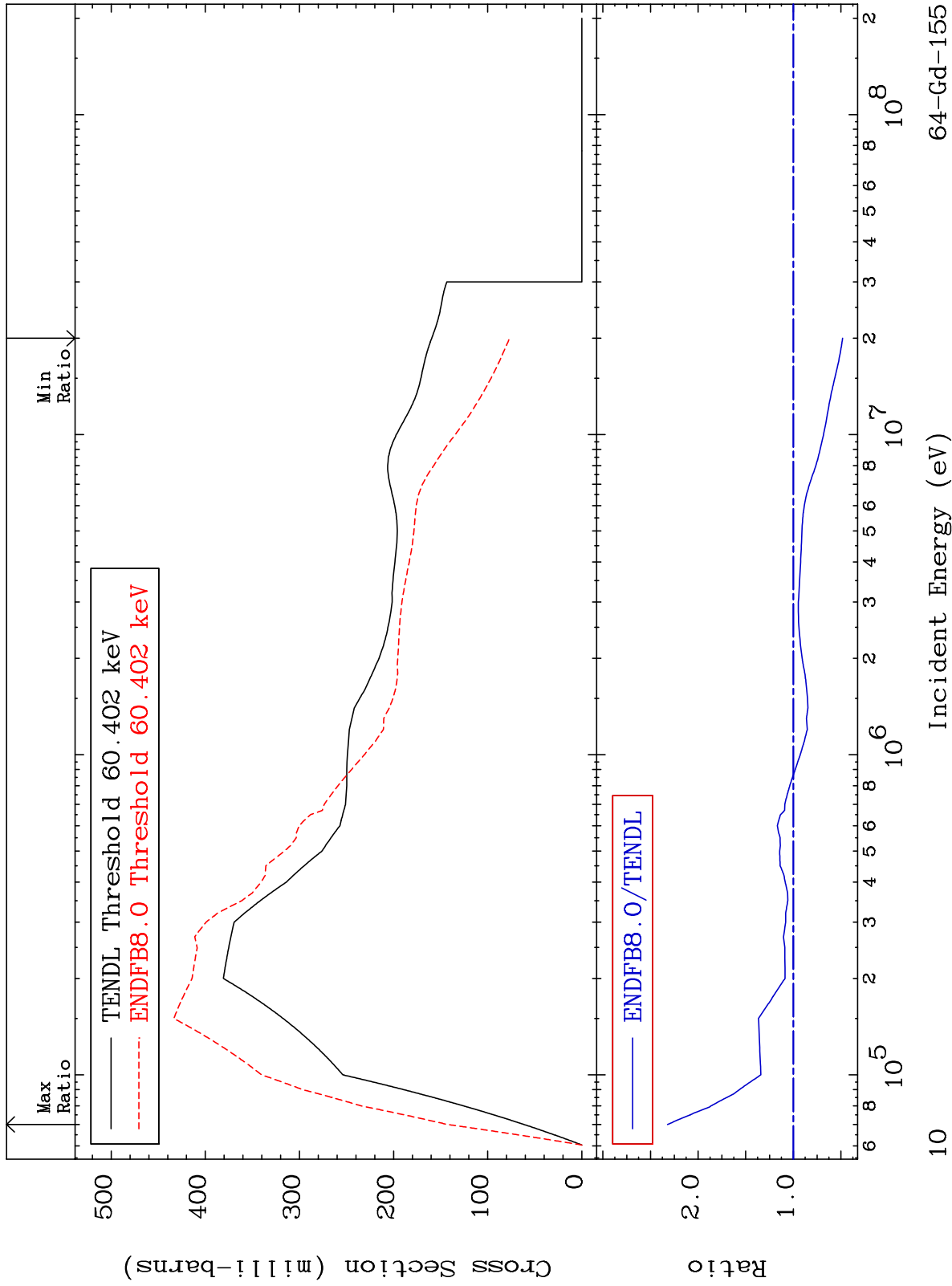
MAT 6434

(n,2n) p
Cross Section

64-Gd-155
-97.80 To -70.21%



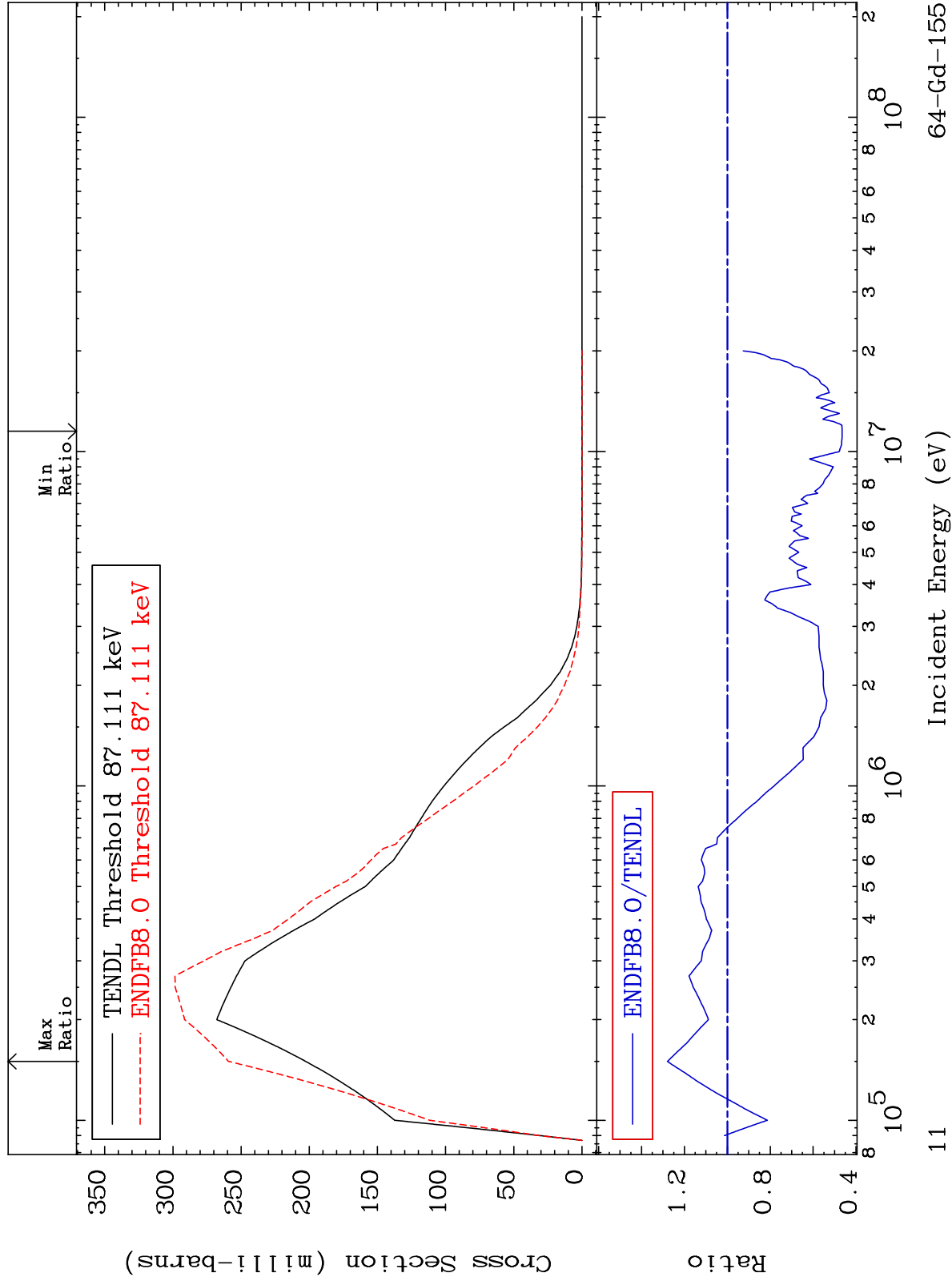
MAT 6434 MT= 51 (n,n') Level 64-Gd-155
Cross Section -51.85 To 132.1 %



MAT 6434

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

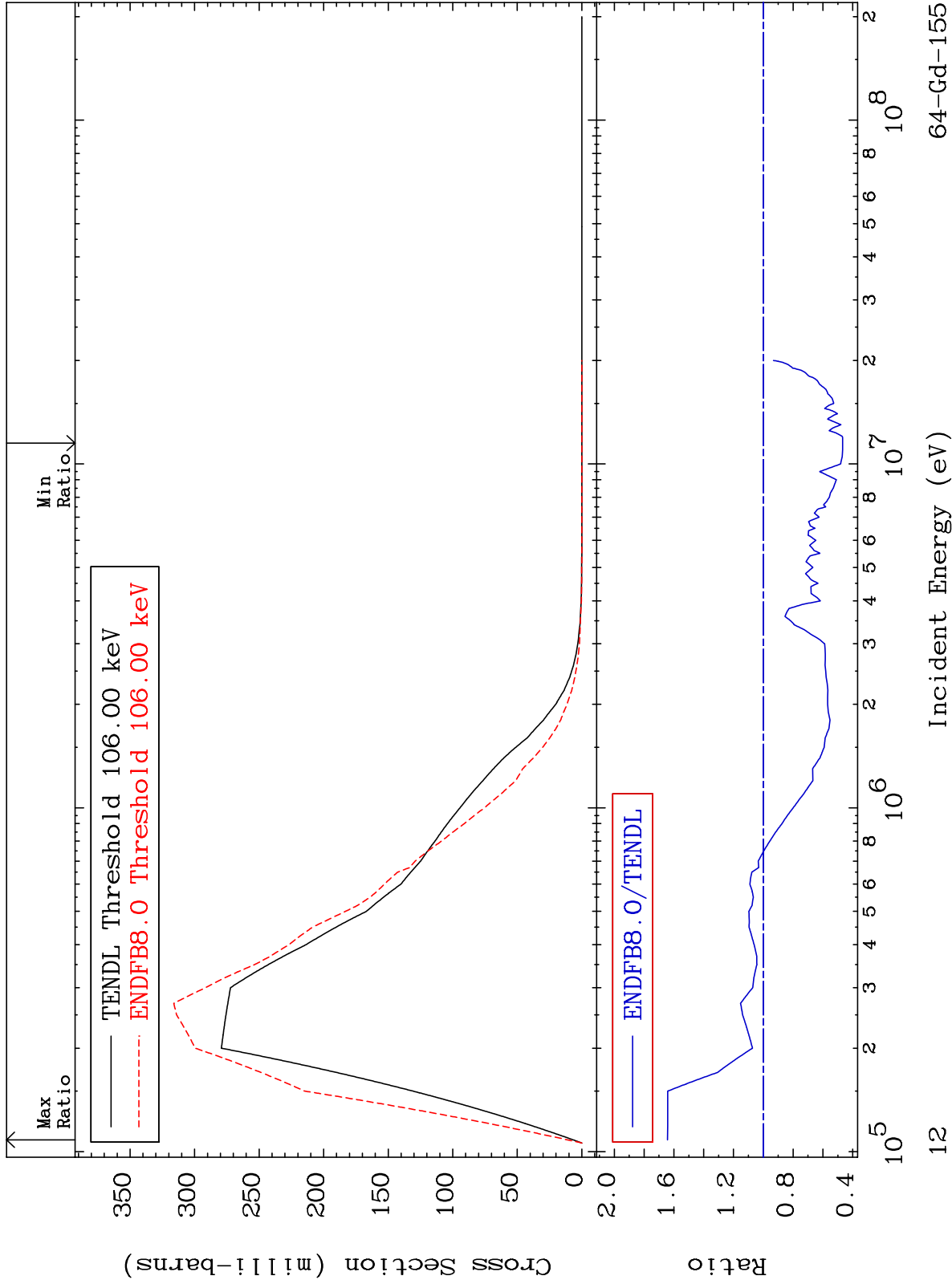
64-Gd-155
-53.51 To 27.91 %



MAT 6434

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

64-Gd-155
-53.24 To 64.26 %



64-Gd-155

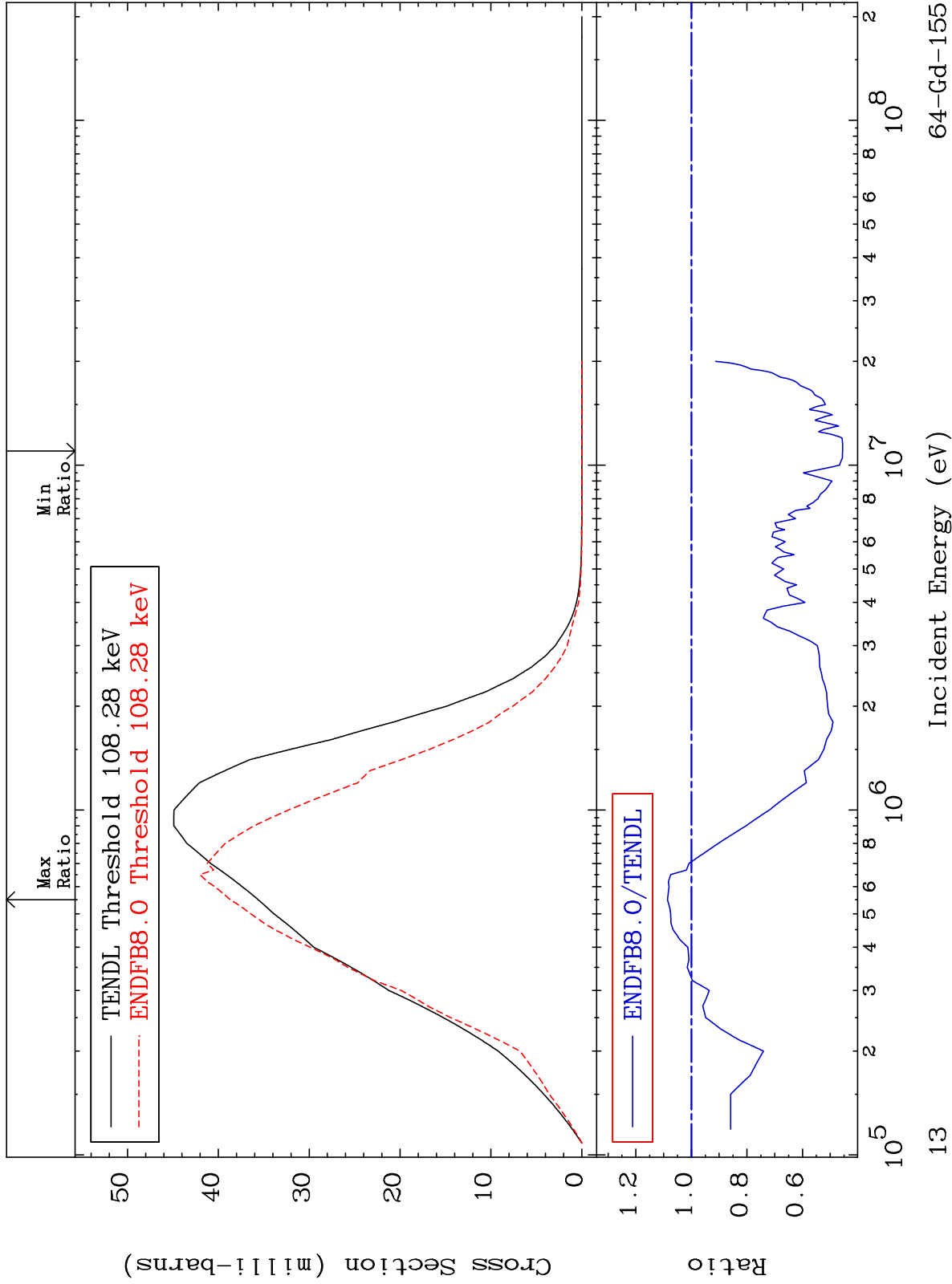
Incident Energy (eV)

12

MAT 6434

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

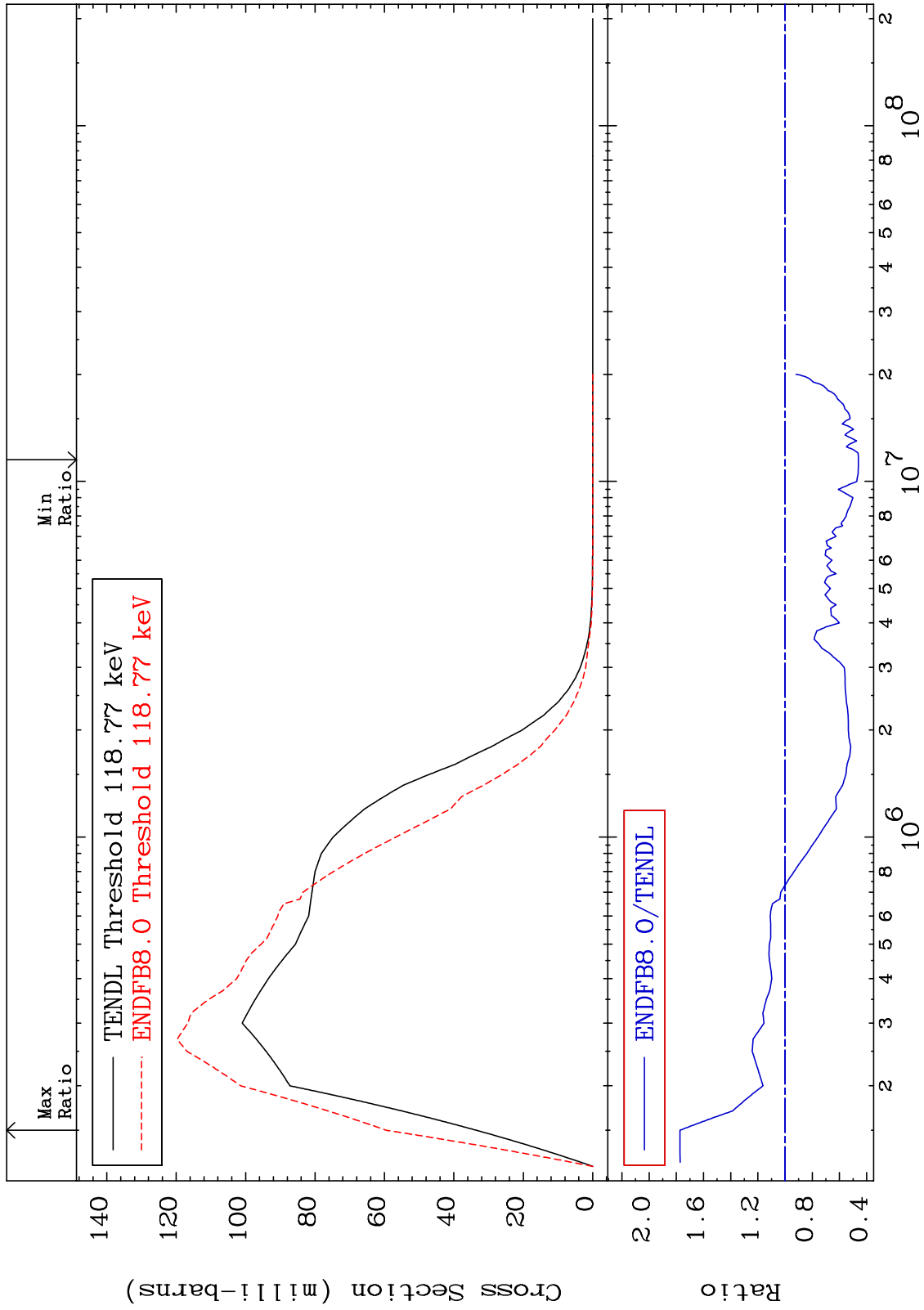
64-Gd-155
-54.47 To 8.586 %



MAT 6434

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

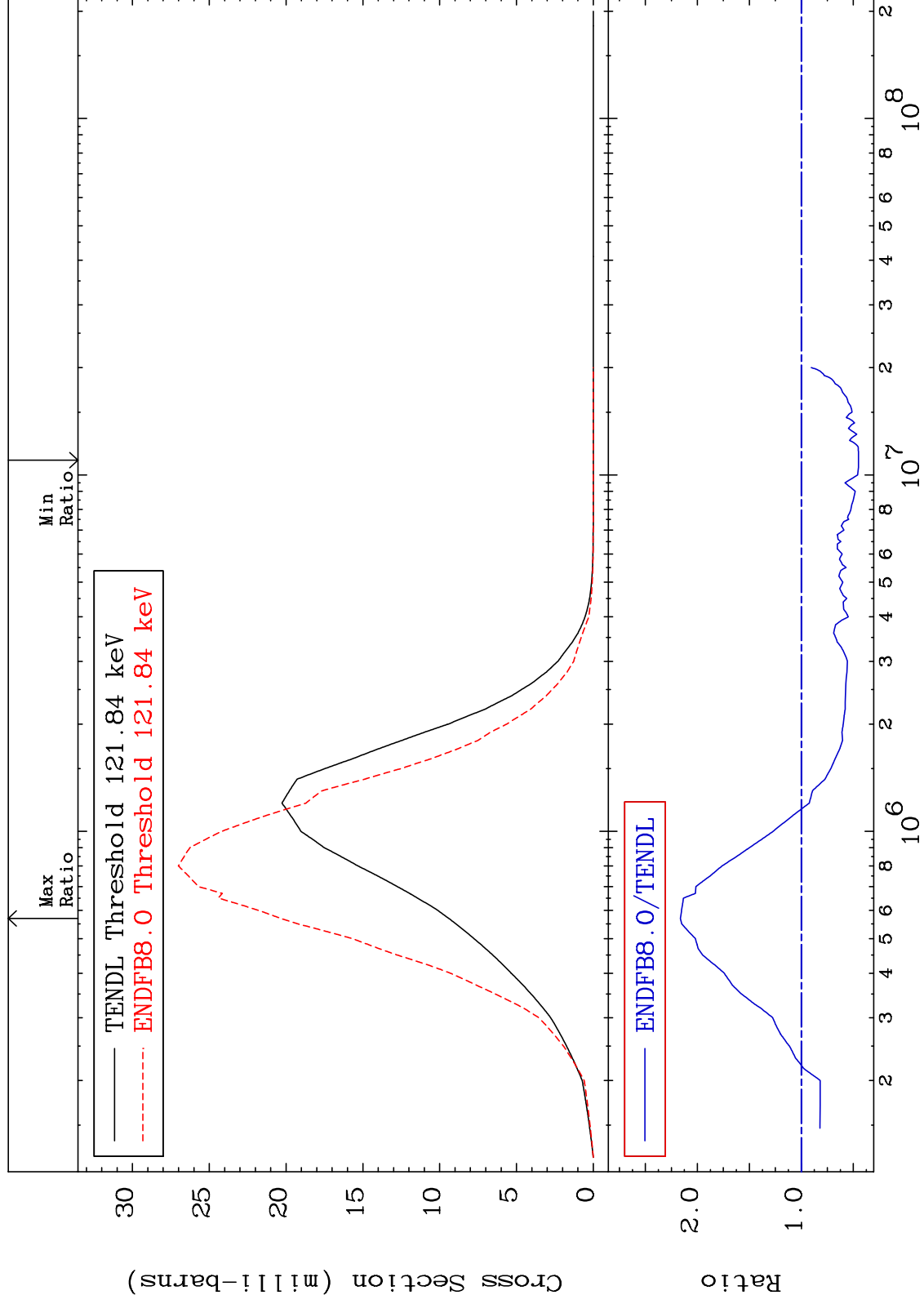
64-Gd-155
-53.93 To 77.30 %



MAT 6434

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

64-Gd-155
-55.02 To 116.3 %



15

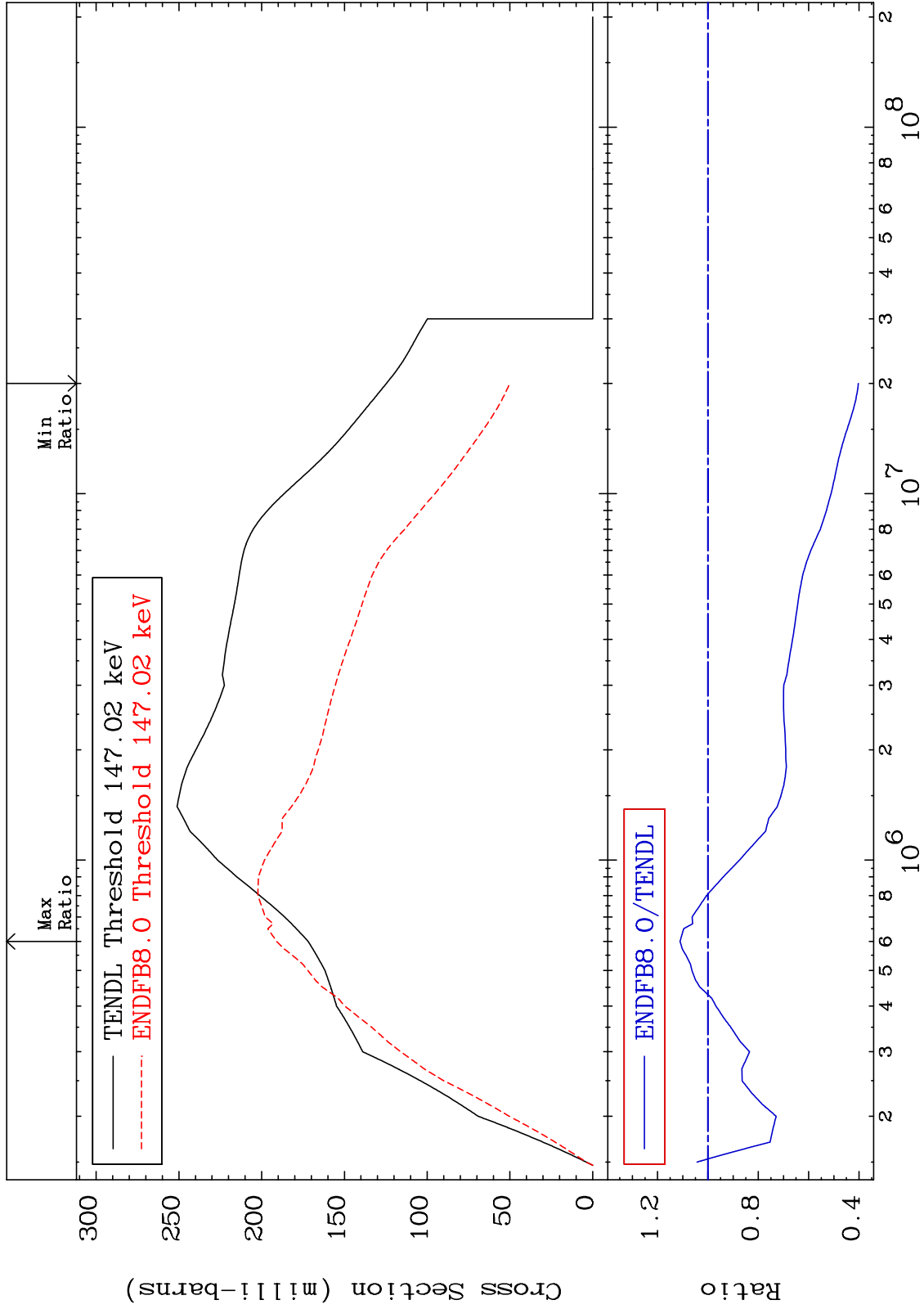
64-Gd-155

64-Gd-155

MAT 6434

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

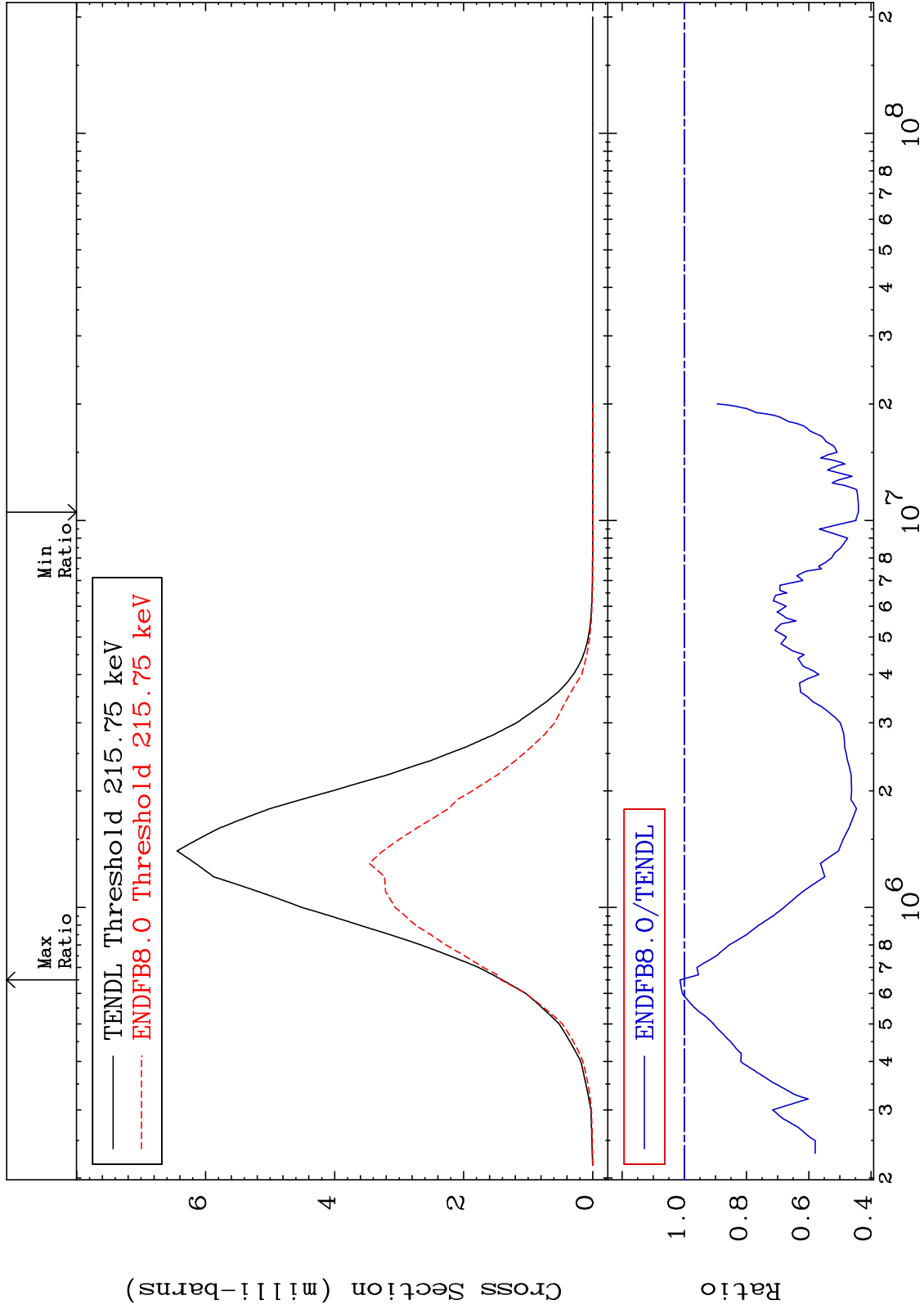
64-Gd-155
-59.76 To 11.09 %



MAT 6434

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

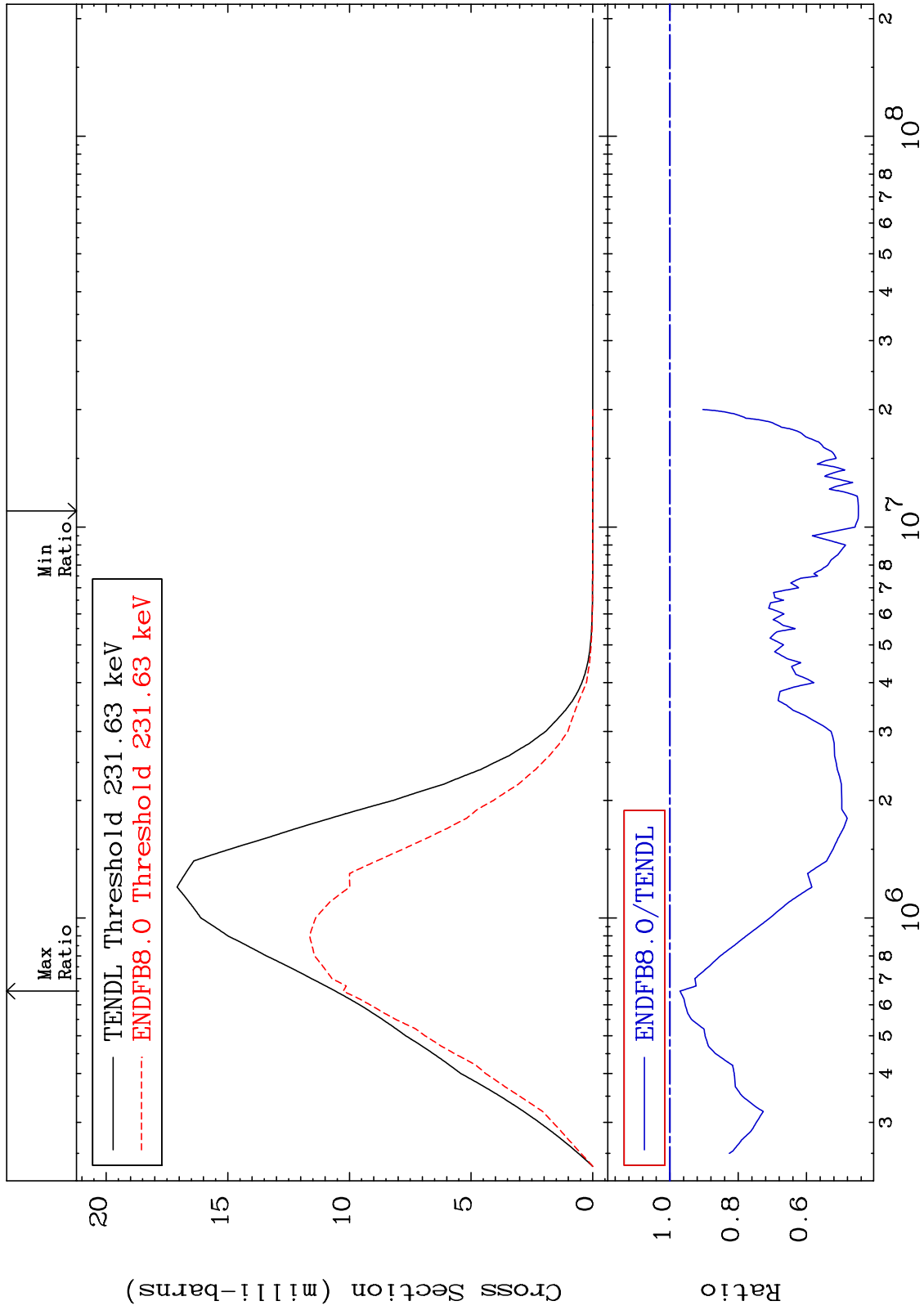
64-Gd-155
-55.95 To 1.397 %



MAT 6434

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

64-Gd-155
-55.18 To -2.959%



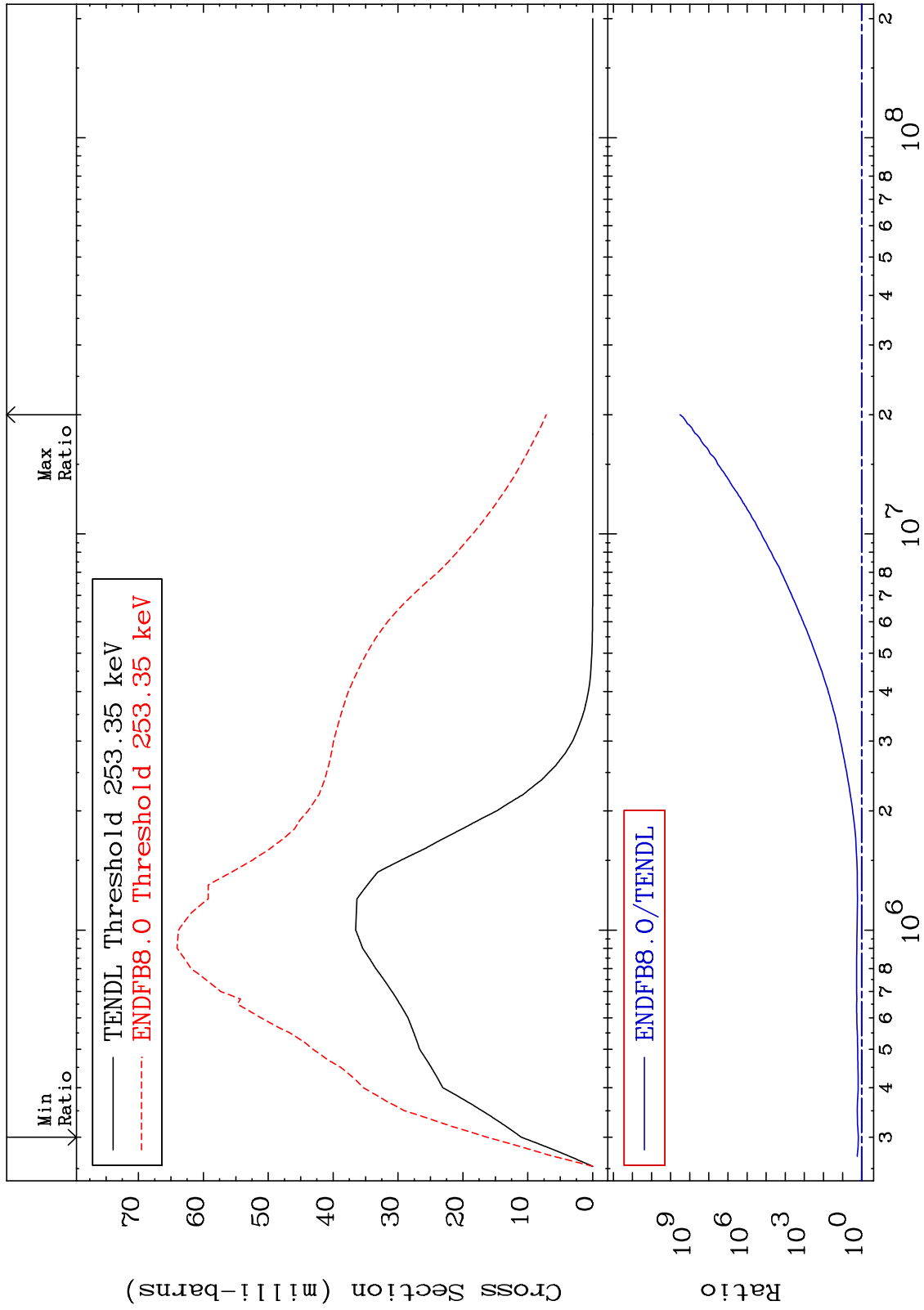
18

64-Gd-155

MAT 6434

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

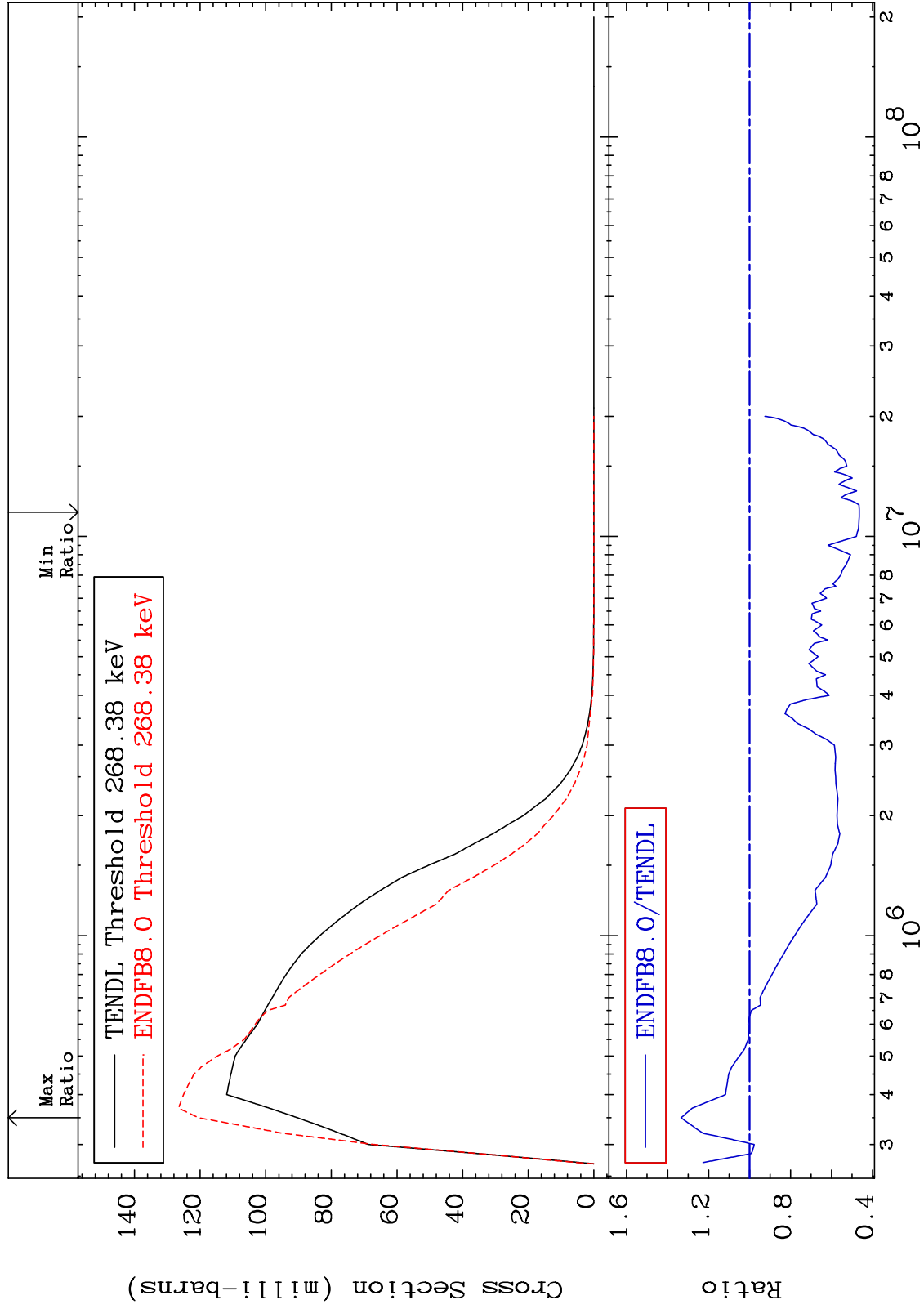
64-Gd-155
47.97 To 9999. %



MAT 6434

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

64-Gd-155
-53.58 To 33.43 %

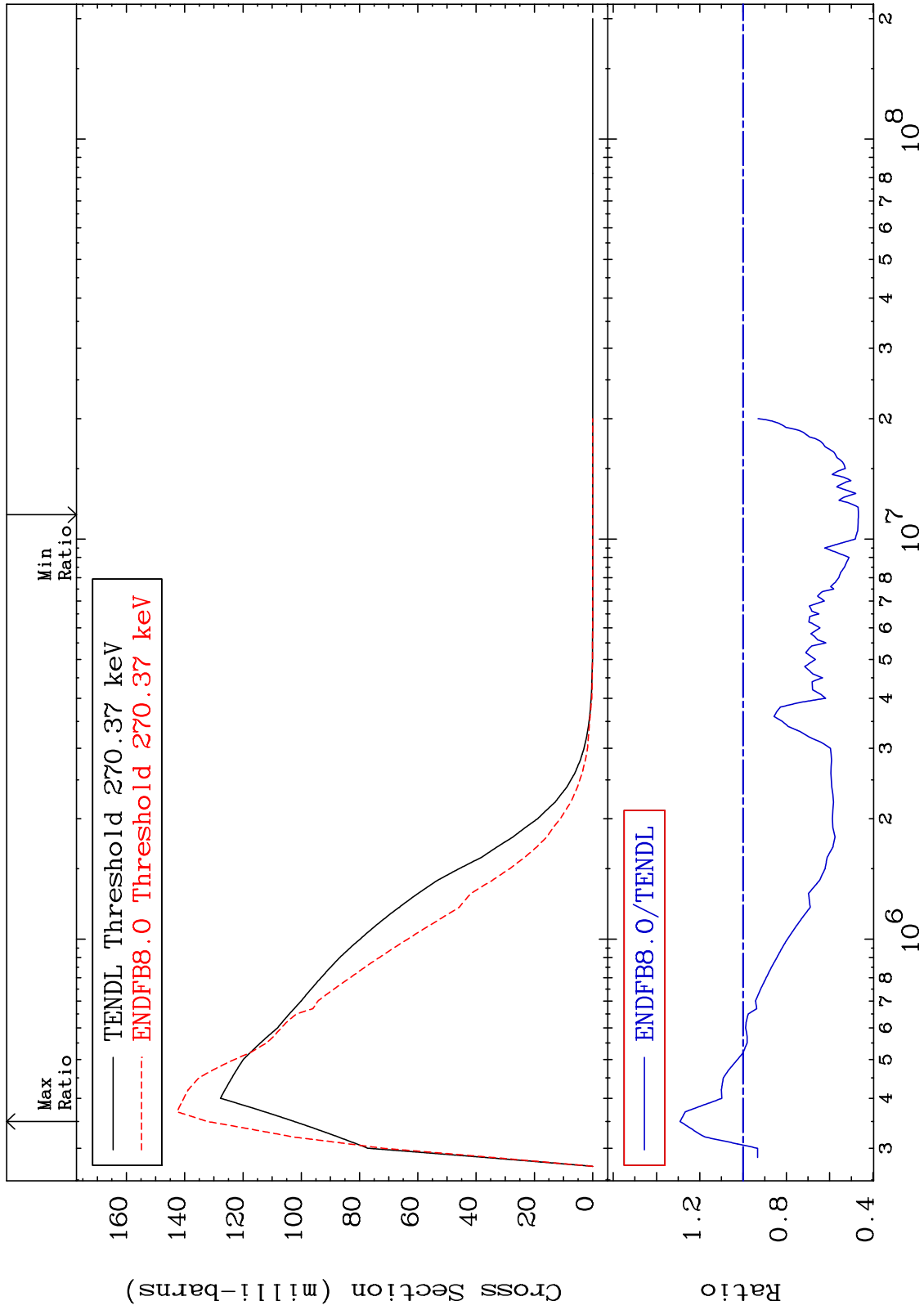


20

Incident Energy (eV)

64-Gd-155

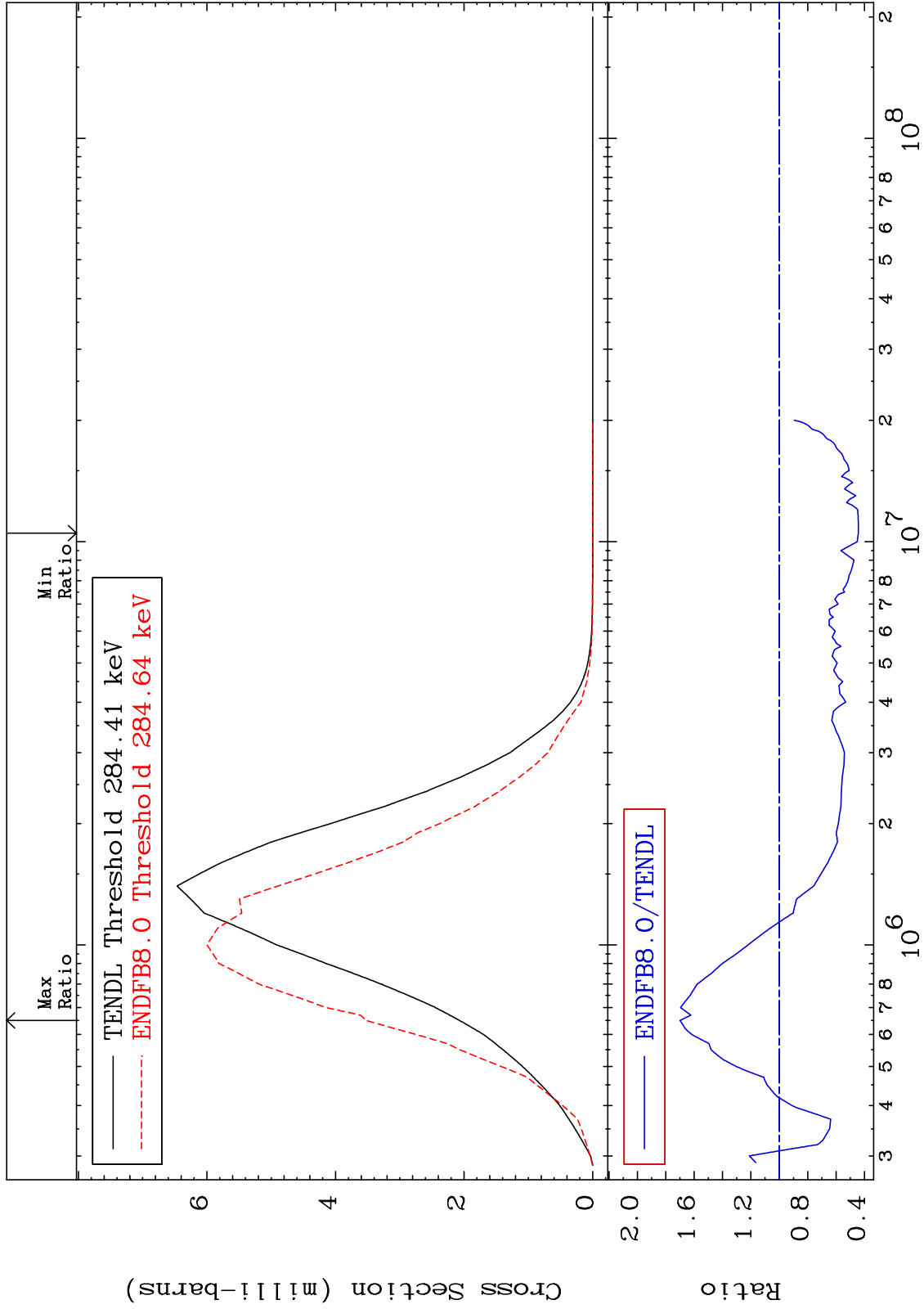
MAT 6434 MT= 62 (n, n') Level Cross Section 64-Gd-155 -53.30 To 29.14 %



MAT 6434

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

64-Gd-155
-55.78 To 70.00 %



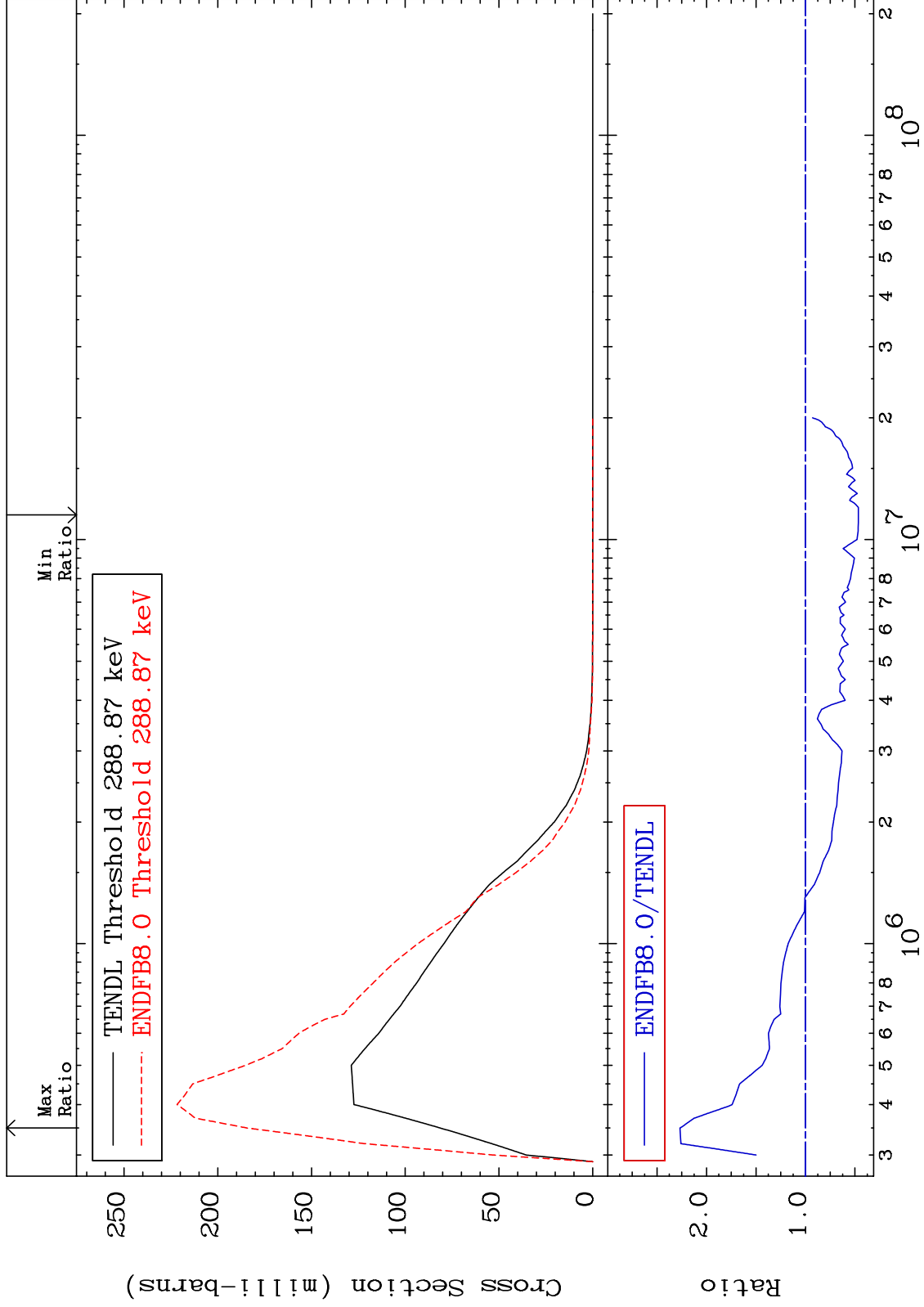
22

64-Gd-155

MAT 6434

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

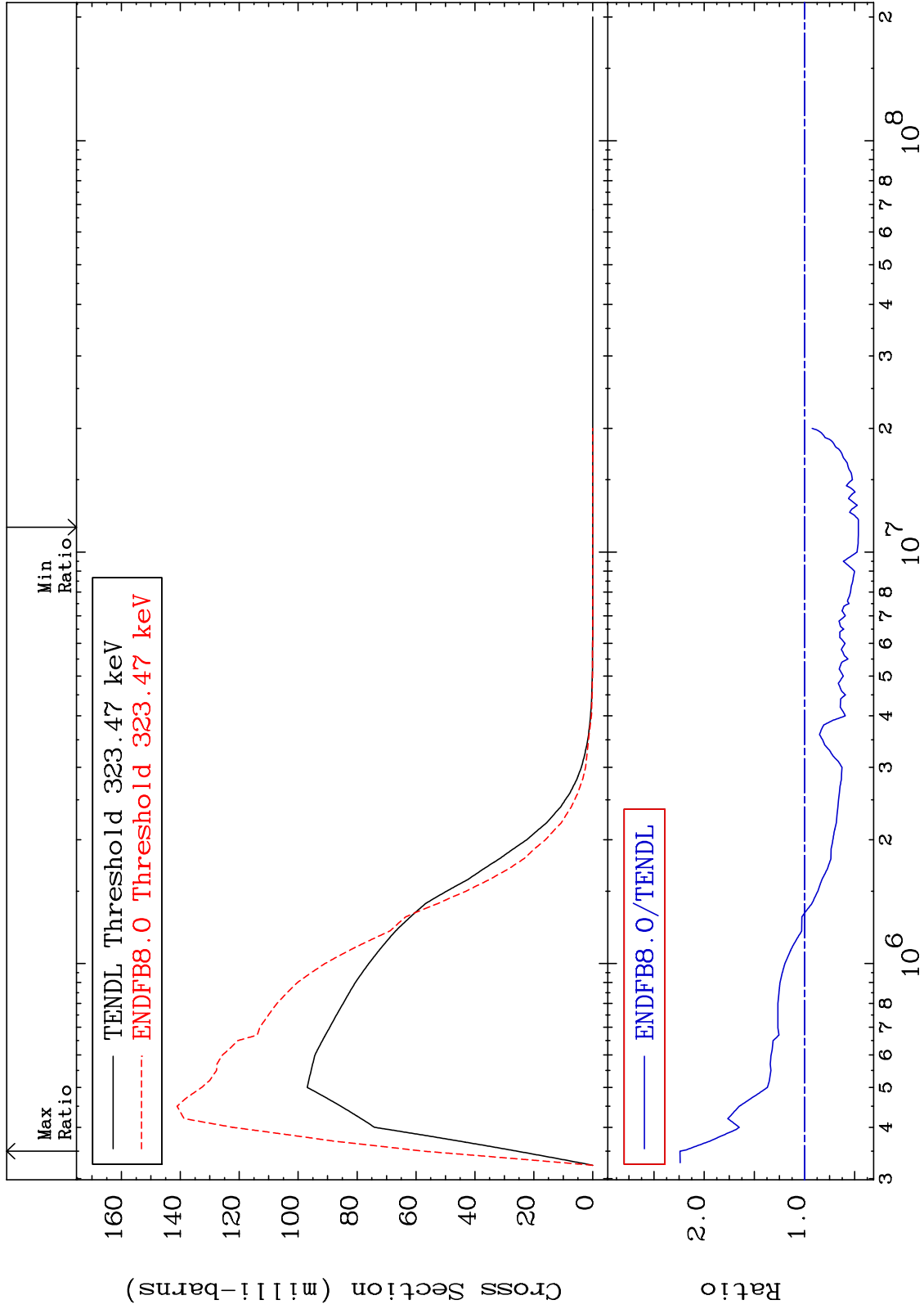
64-Gd-155
-53.47 To 126.7 %



MAT 6434

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

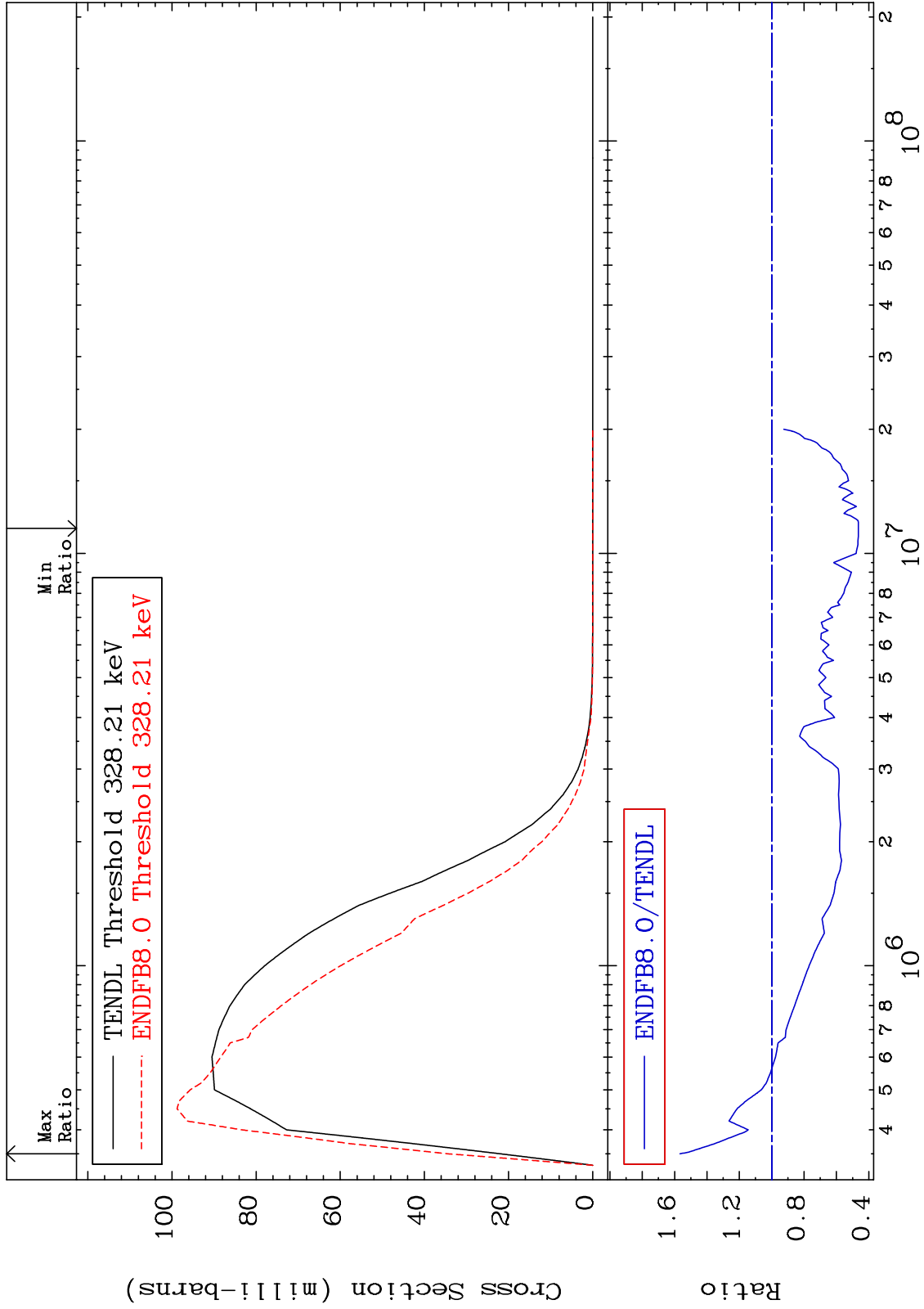
64-Gd-155
-53.73 To 124.1 %



MAT 6434

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

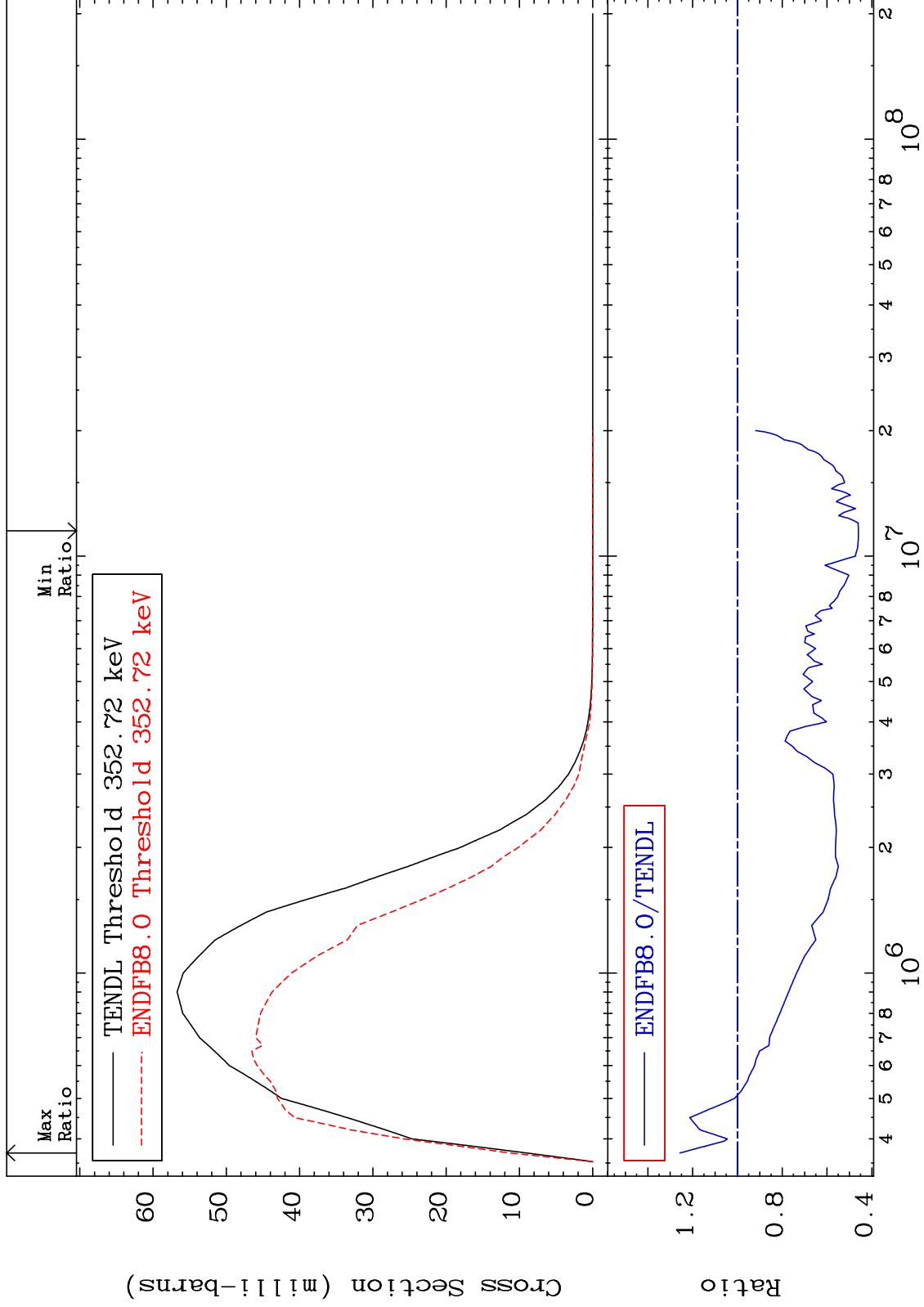
64-Gd-155
-53.60 To 56.67 %



MAT 6434

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

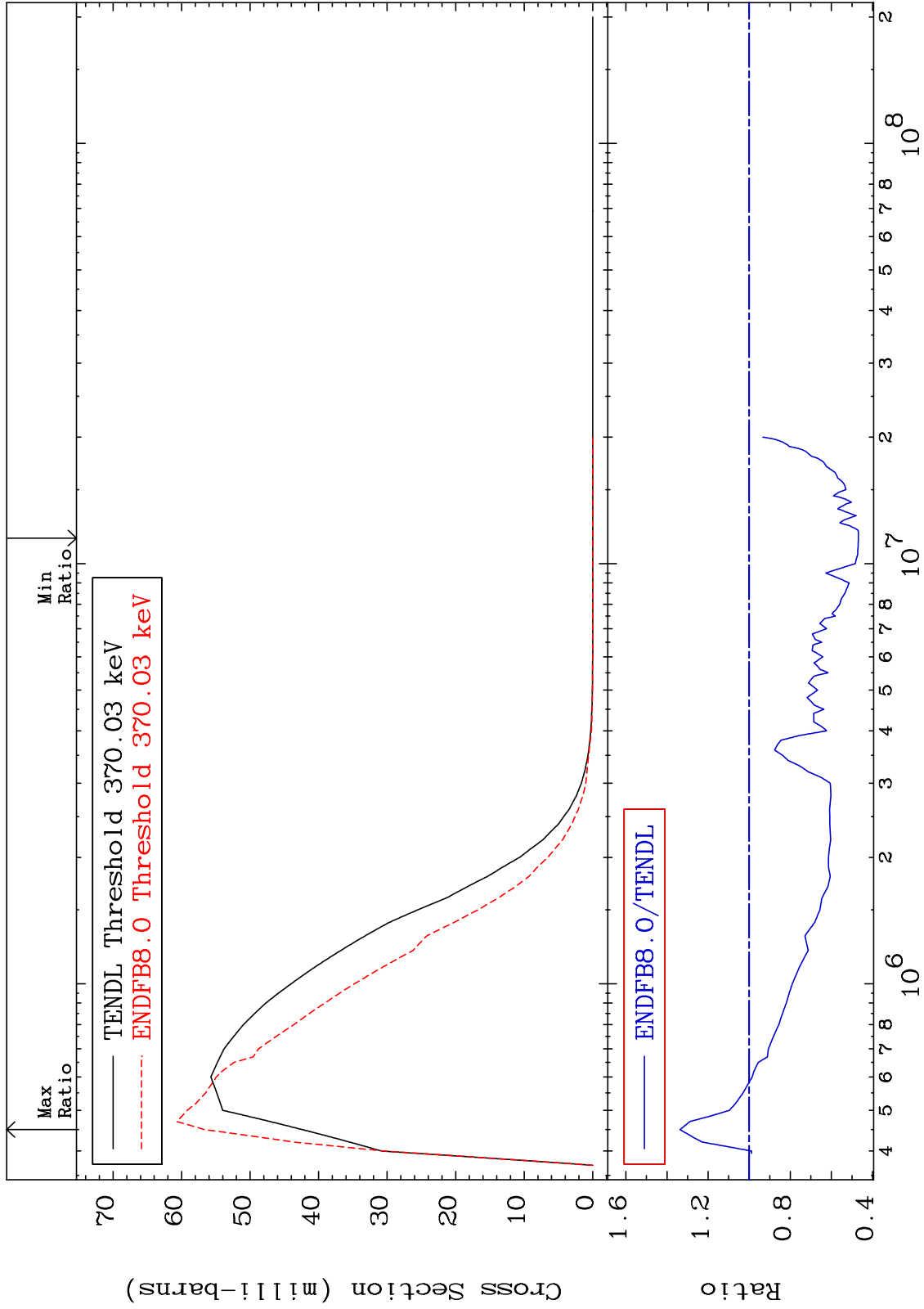
64-Gd-155
-54.02 To 25.63 %



MAT 6434

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

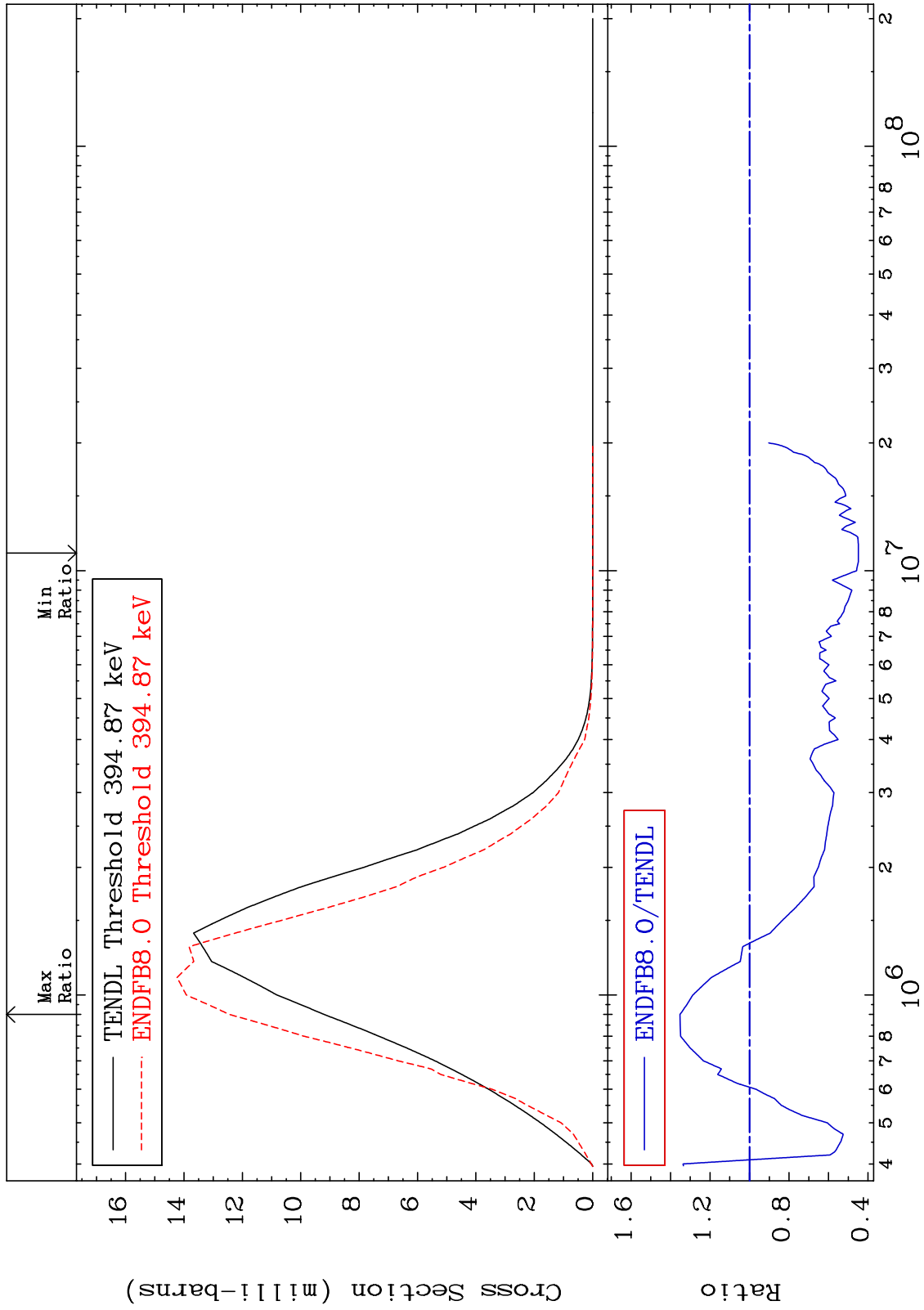
64-Gd-155
-53.14 To 33.65 %



MAT 6434

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

64-Gd-155
-55.13 To 35.19 %



28

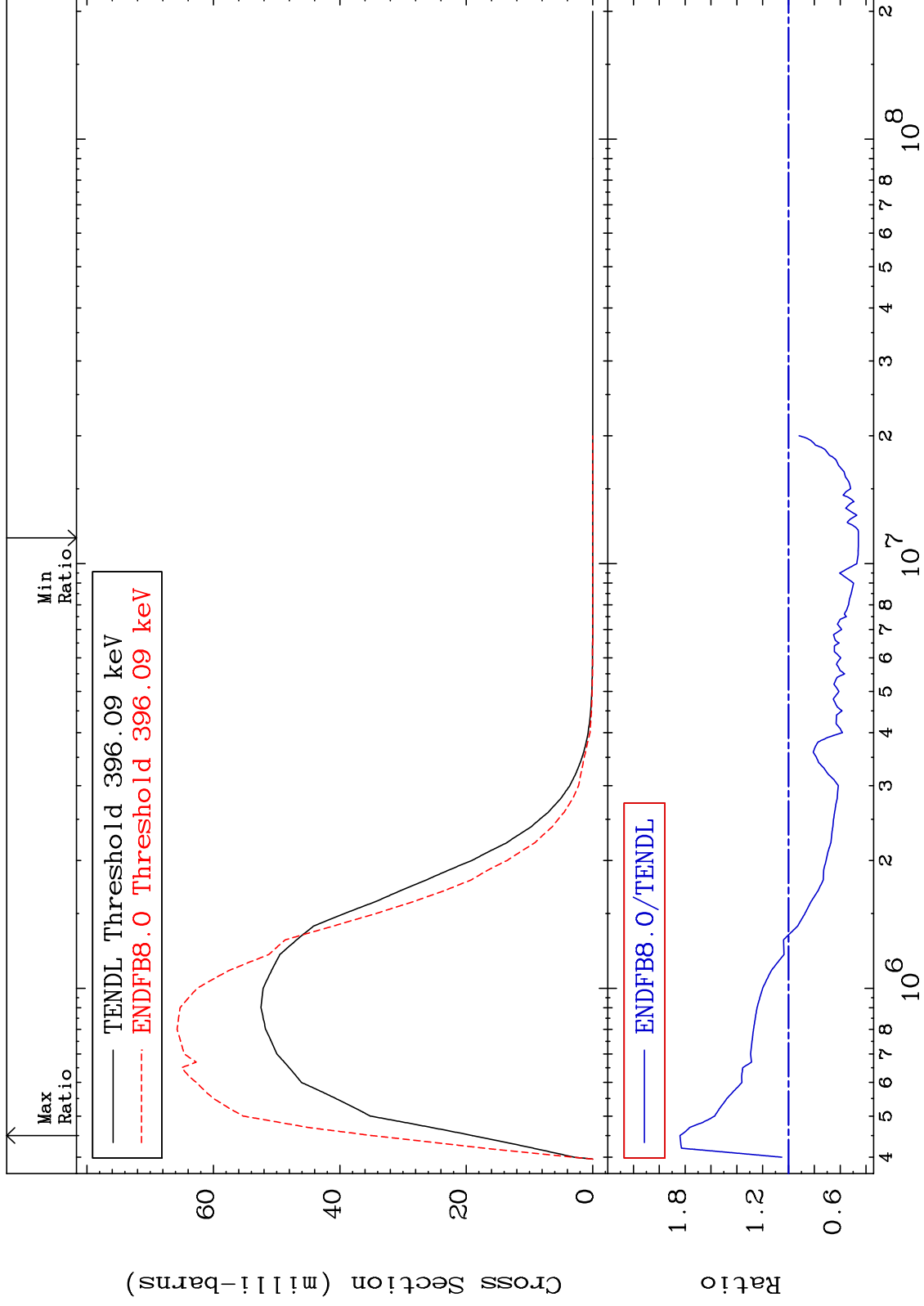
Incident Energy (eV)

64-Gd-155

MAT 6434

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

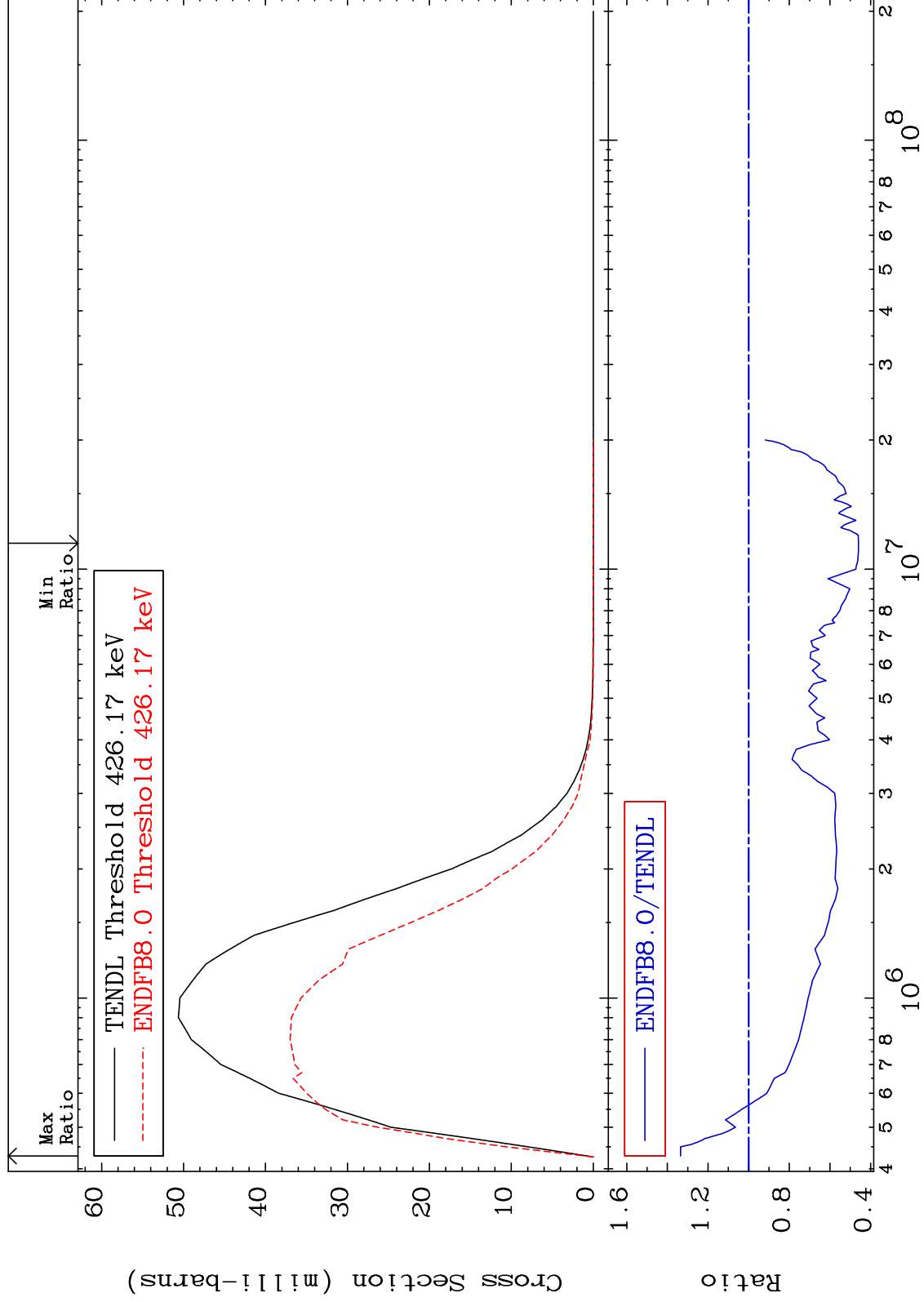
64-Gd-155
-54.10 To 83.94 %



MAT 6434

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

64-Gd-155
-54.05 To 33.58 %

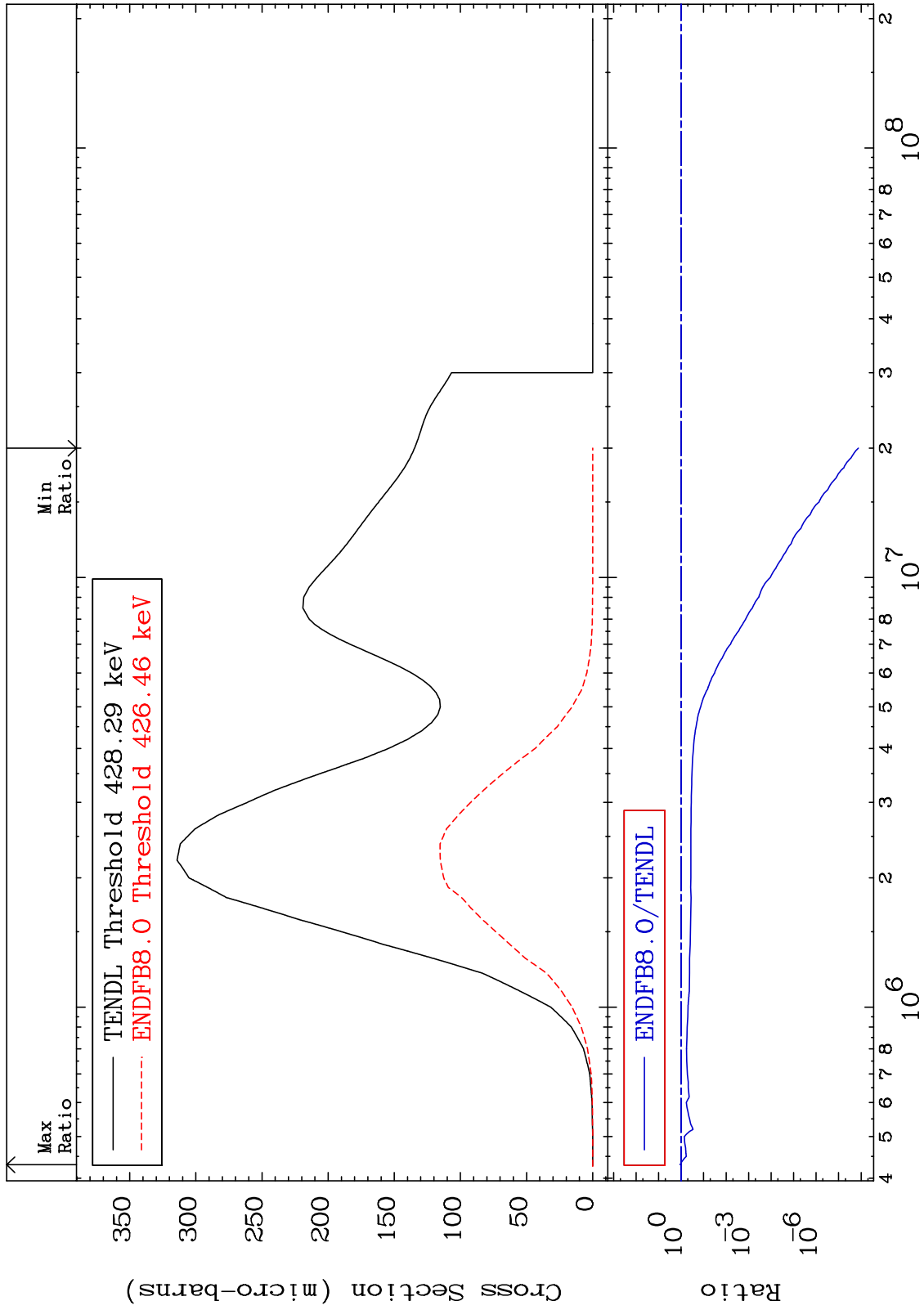


30

Incident Energy (eV)

64-Gd-155

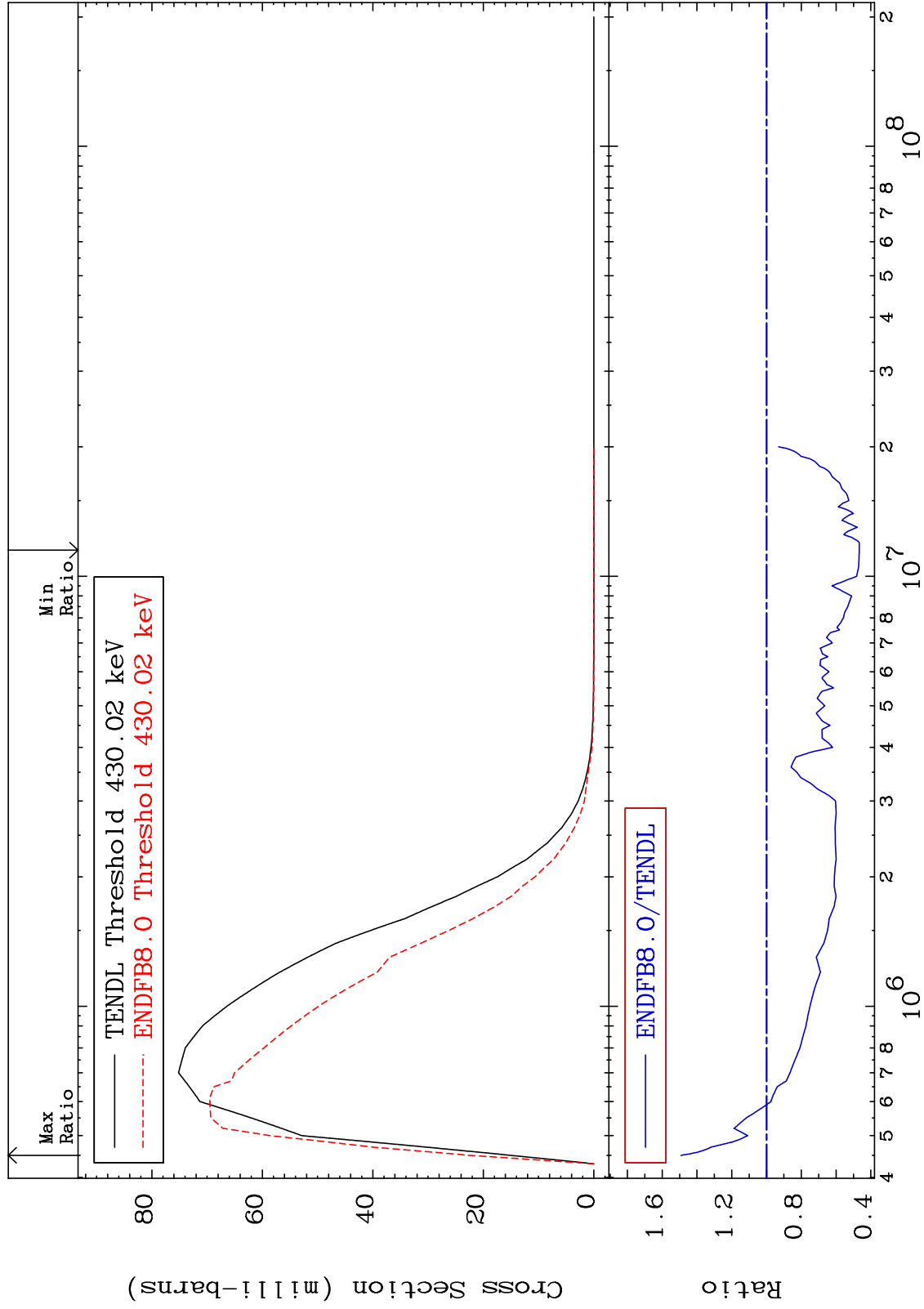
MAT 6434 MT= 72 (n,n') Level Cross Section 64-Gd-155 -100.0 To 11.38 %



MAT 6434

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

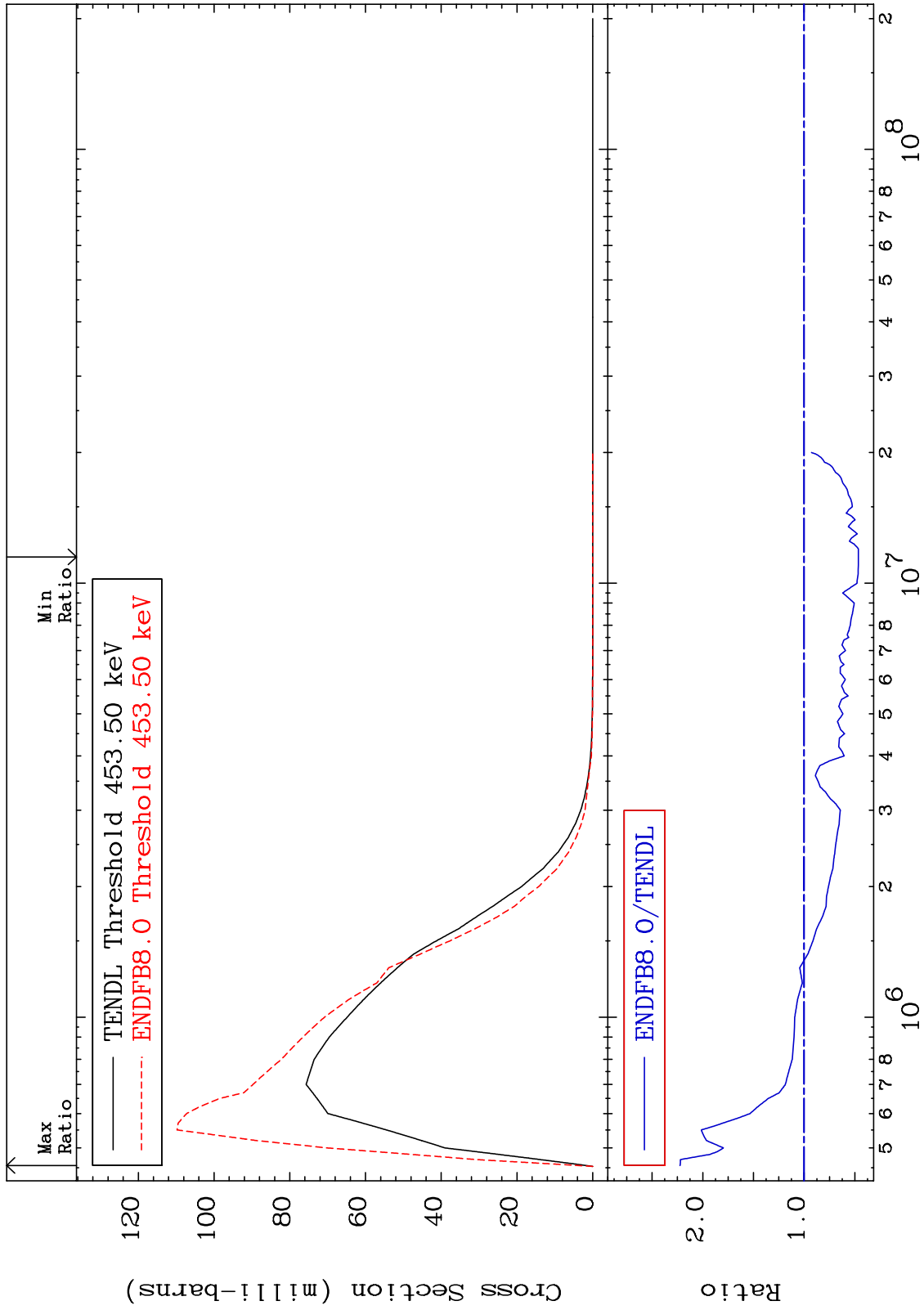
64-Gd-155
-53.35 To 49.17 %



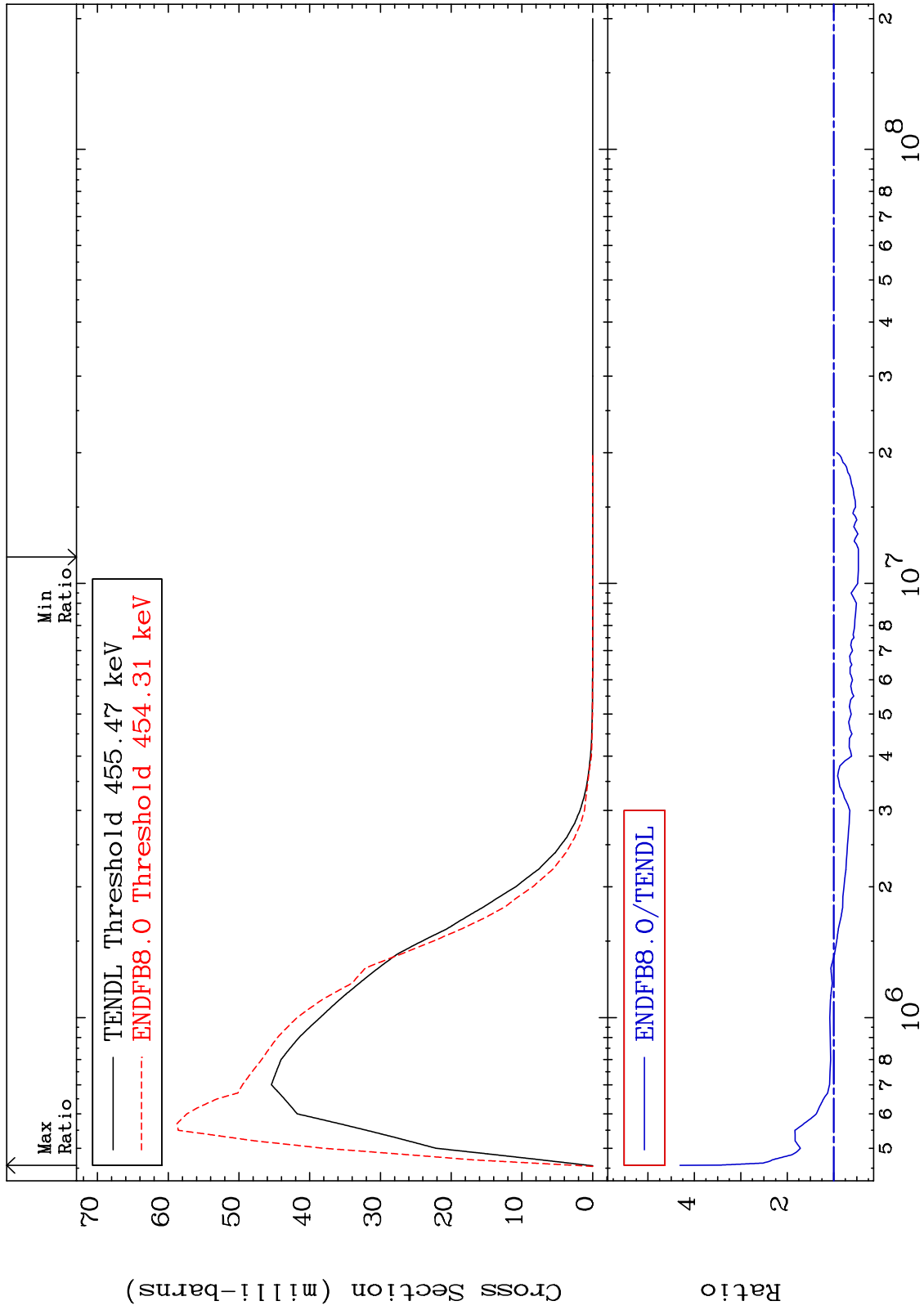
32

64-Gd-155

MAT 6434 MT= 74 (n,n') Level Cross Section 64-Gd-155 -53.52 To 122.4 %



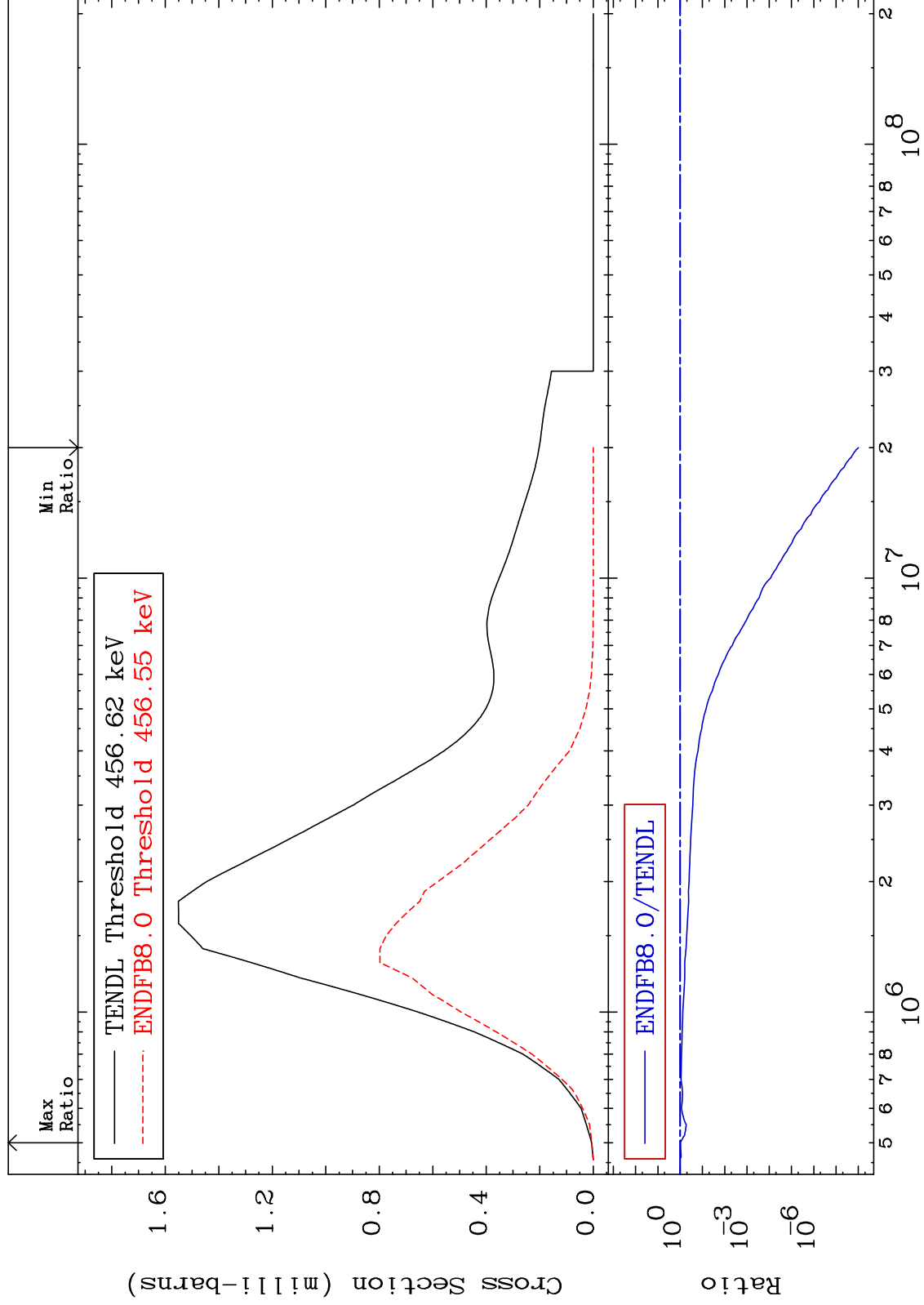
MAT 6434 MT= 75 (n,n') Level Cross Section 64-Gd-155 -53.34 To 331.0 %



MAT 6434

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

64-Gd-155
-100.0 To -2.944%



35

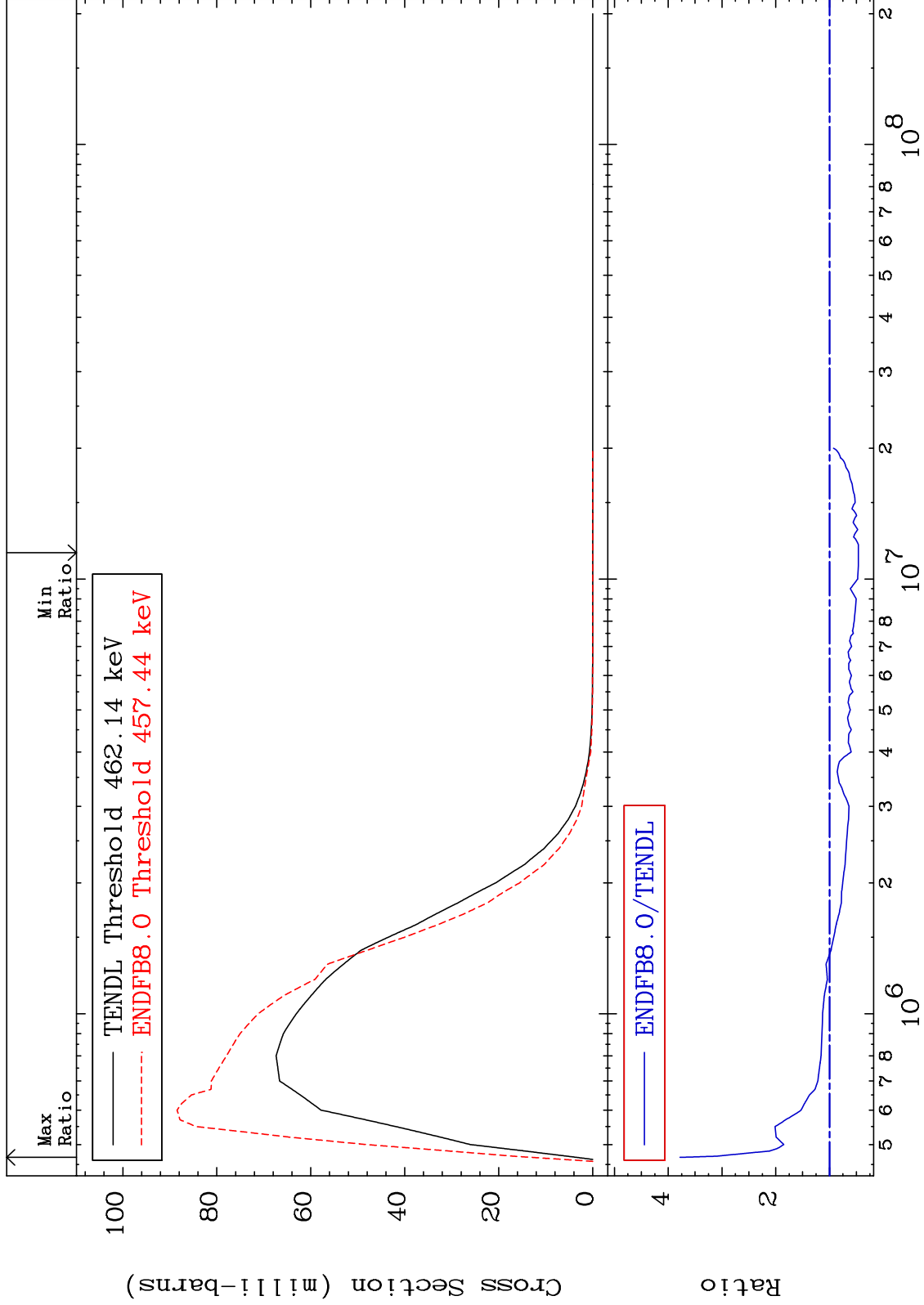
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-53.76 To 278.1 %



36

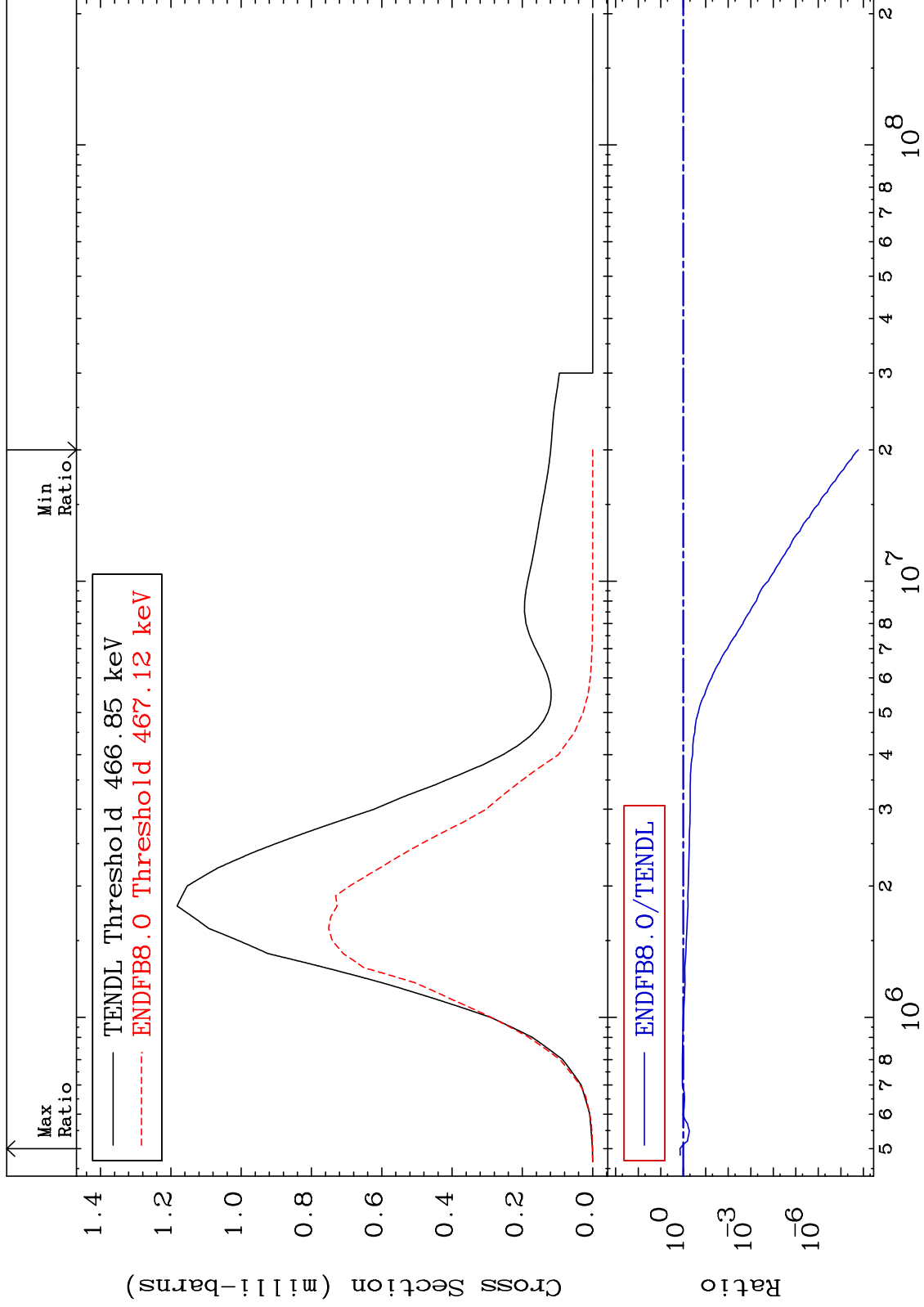
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-100.0 To 38.73 %



37

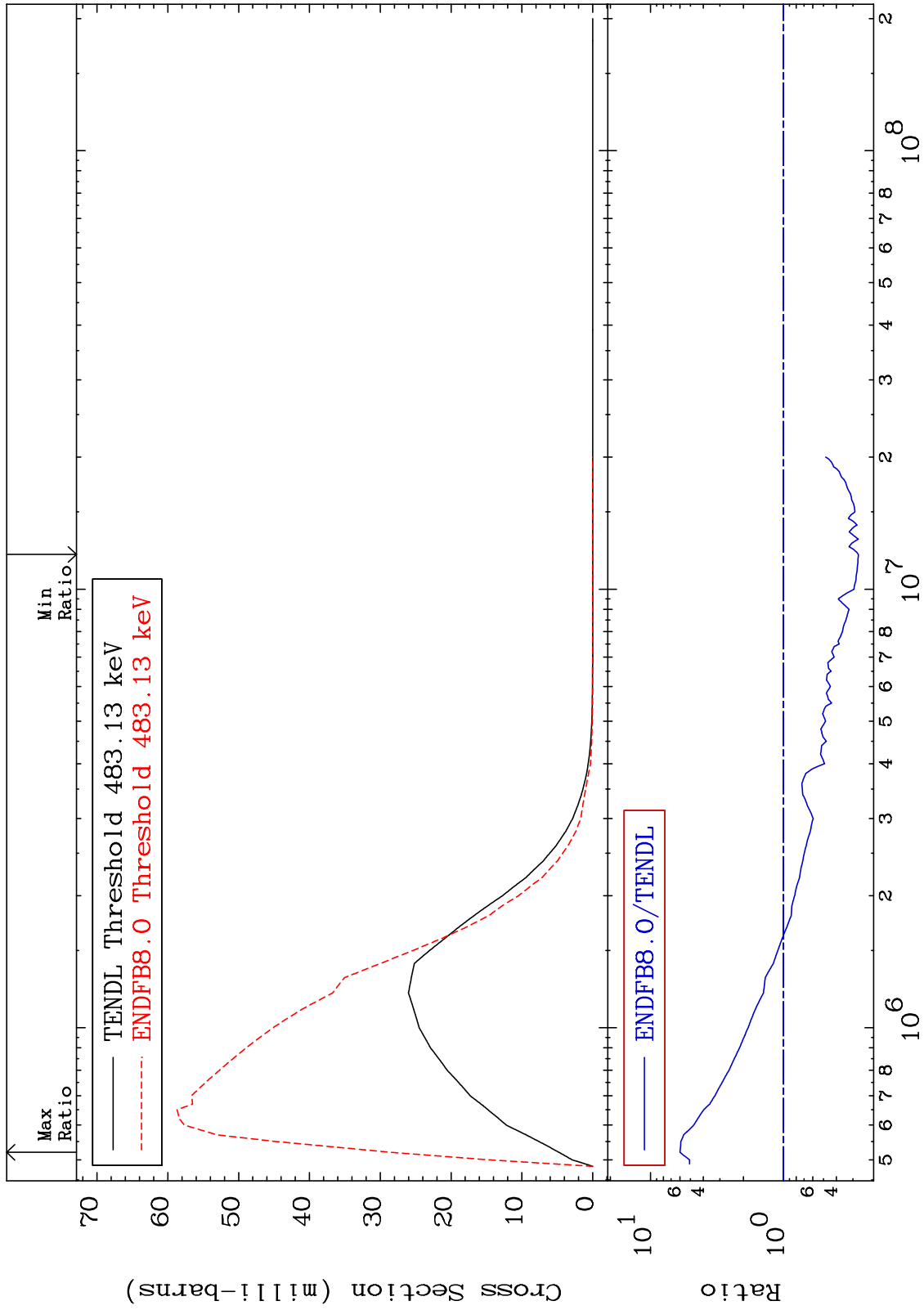
Incident Energy (eV)

64-Gd-155

MAT 6434

MT= 79 (n,n') Level
Cross Section

64-Gd-155
-72.73 To 499.1 %



38

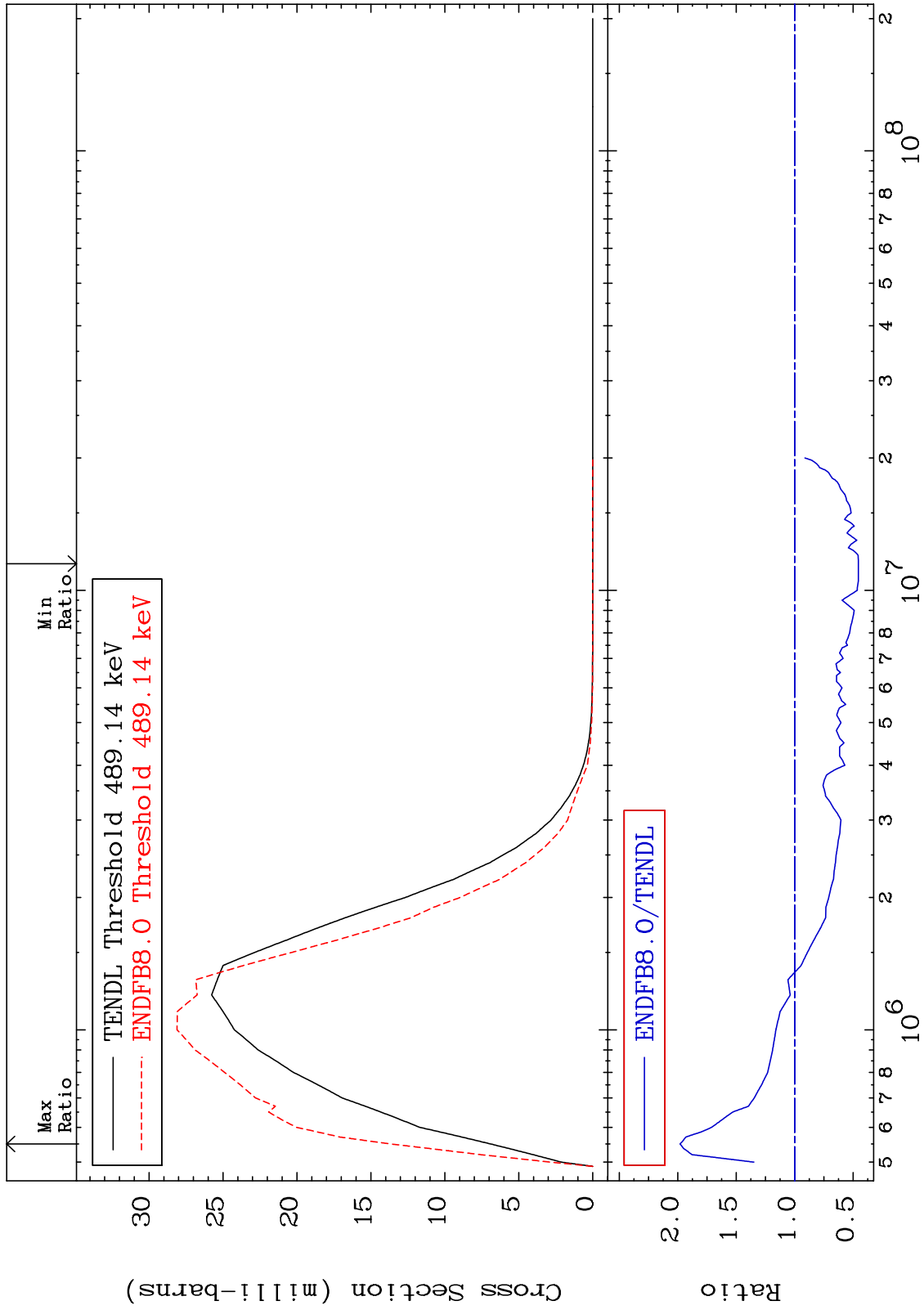
Incident Energy (eV)

64-Gd-155

MAT 6434

MT= 80 (n,n') Level
Cross Section

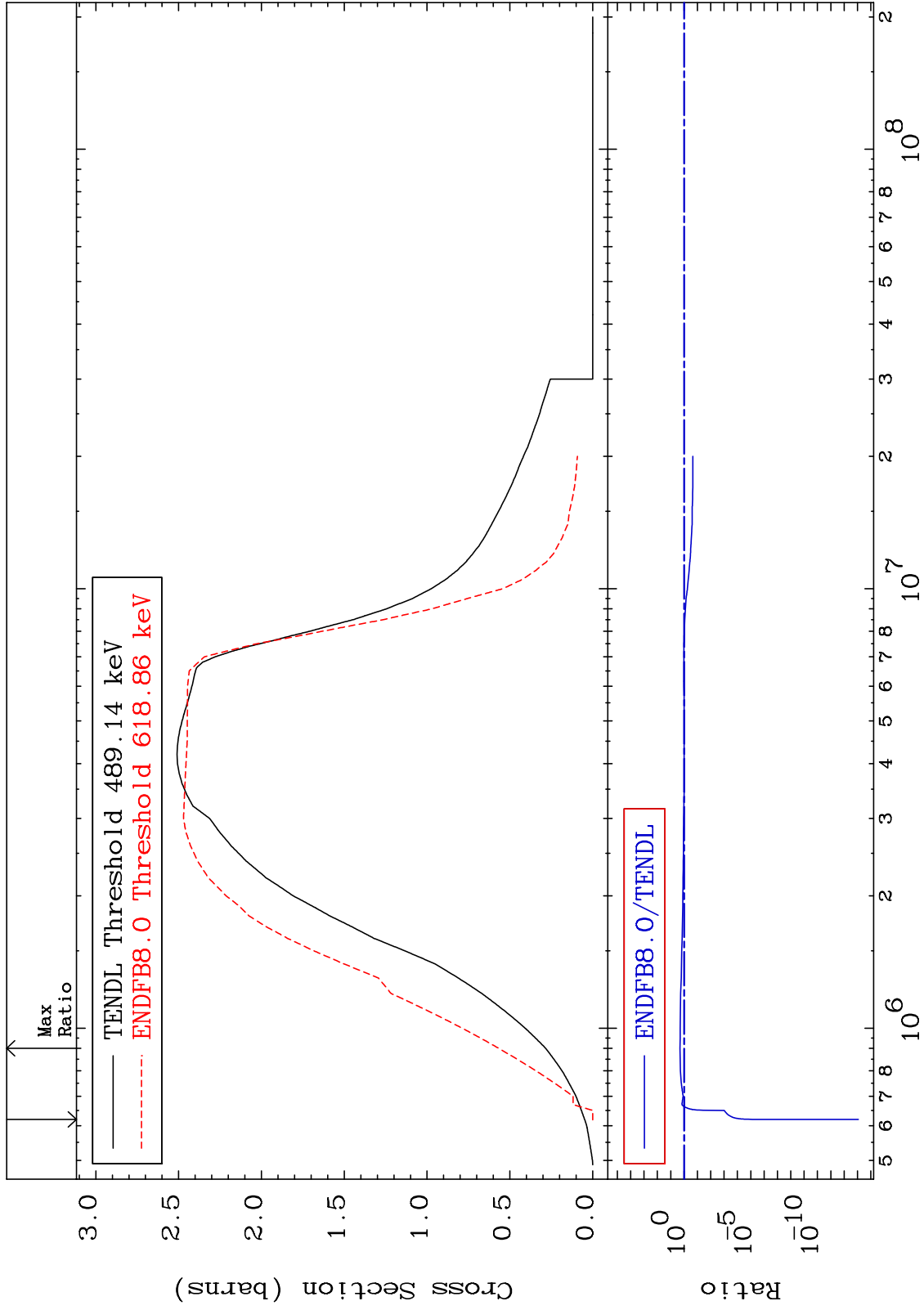
64-Gd-155
-54.59 To 98.07 %



MAT 6434

(n,n') Continuum
Cross Section

64-Gd-155
-100.0 To 99.84 %



40

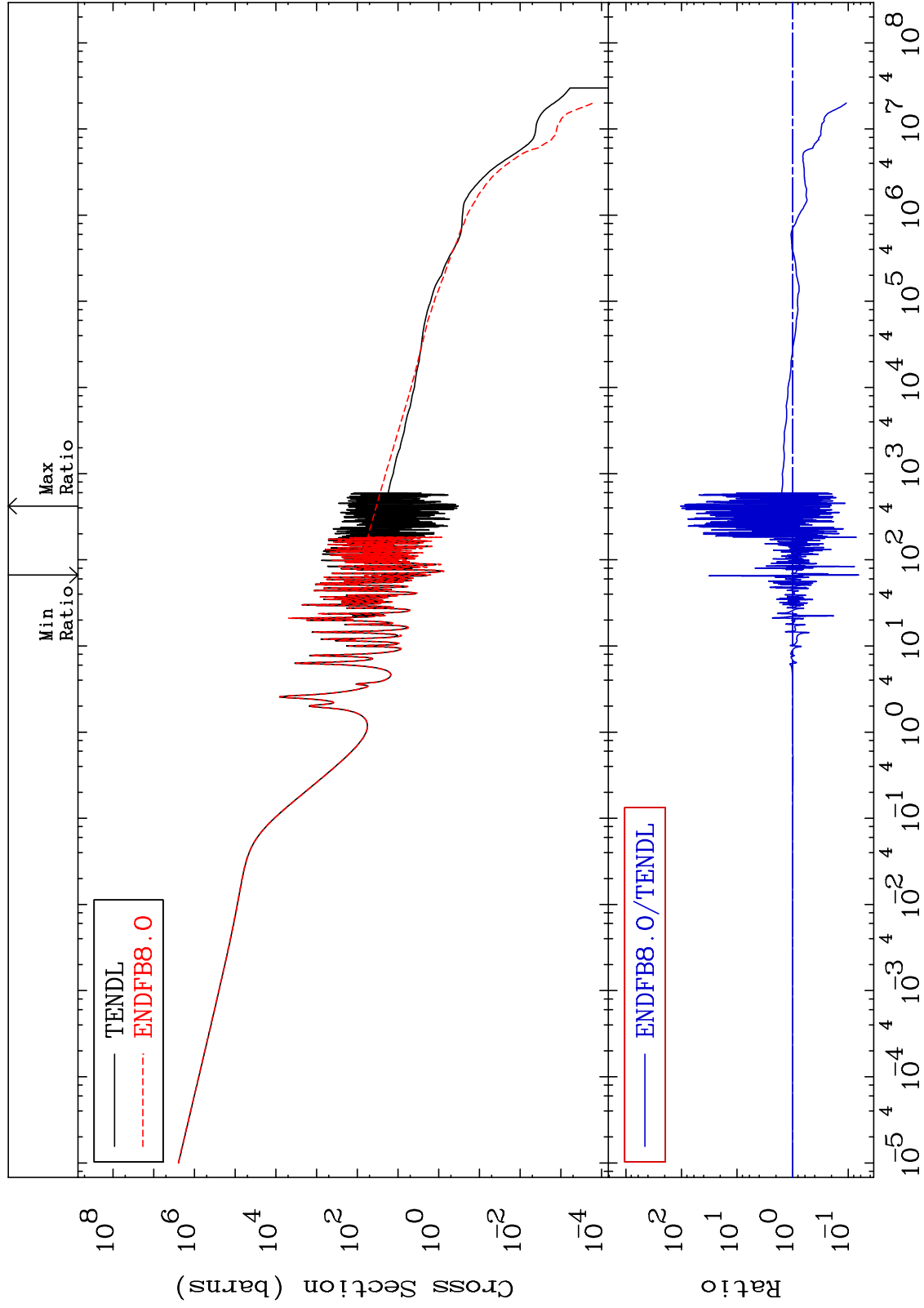
Incident Energy (eV)

64-Gd-155

MAT 6434

(n, γ)
Cross Section

64-Gd-155
-93.48 To 9999. %



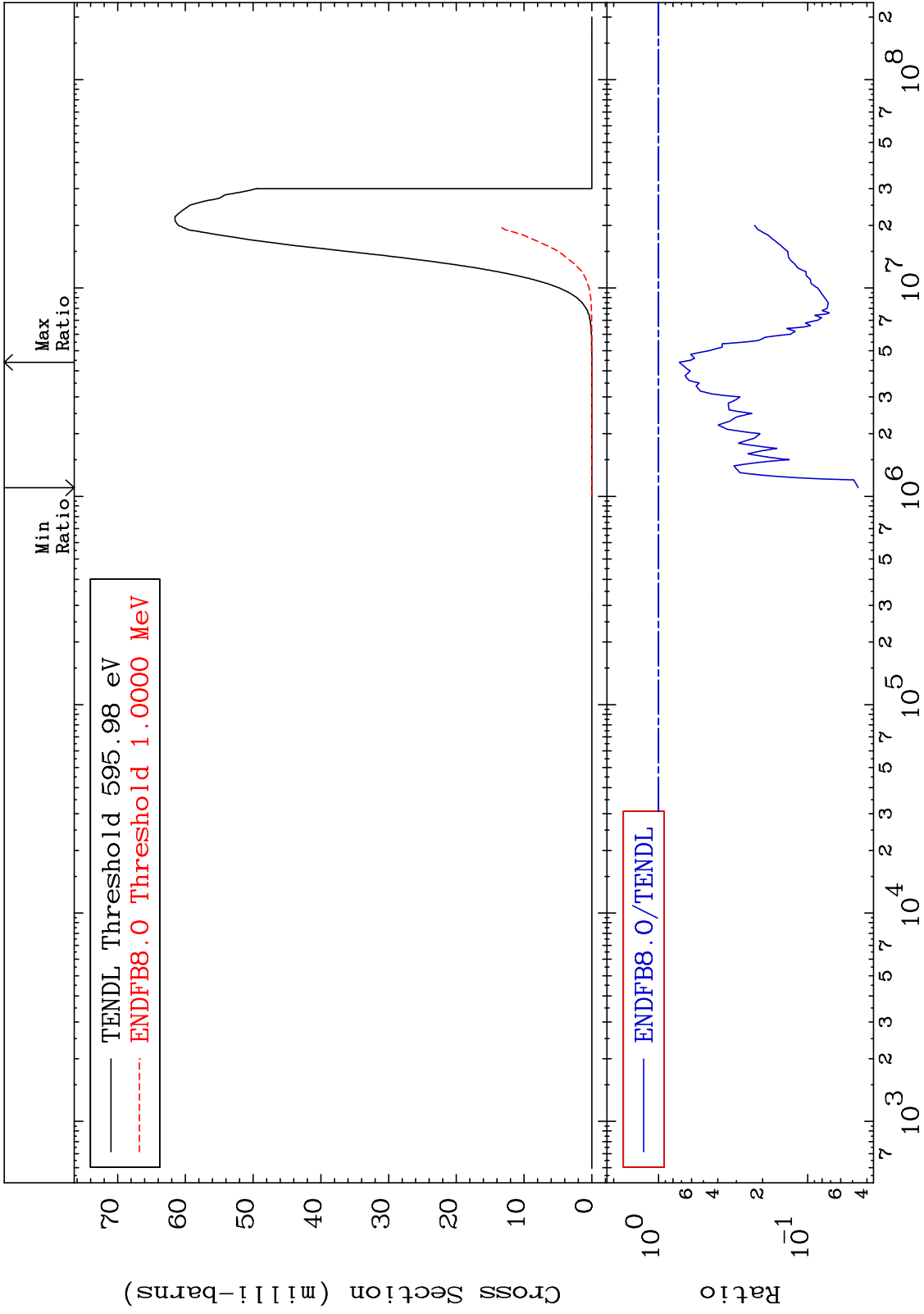
MAT 6434

(n, p)

64-Gd-155

Cross Section

-95.43 To -27.58%



42

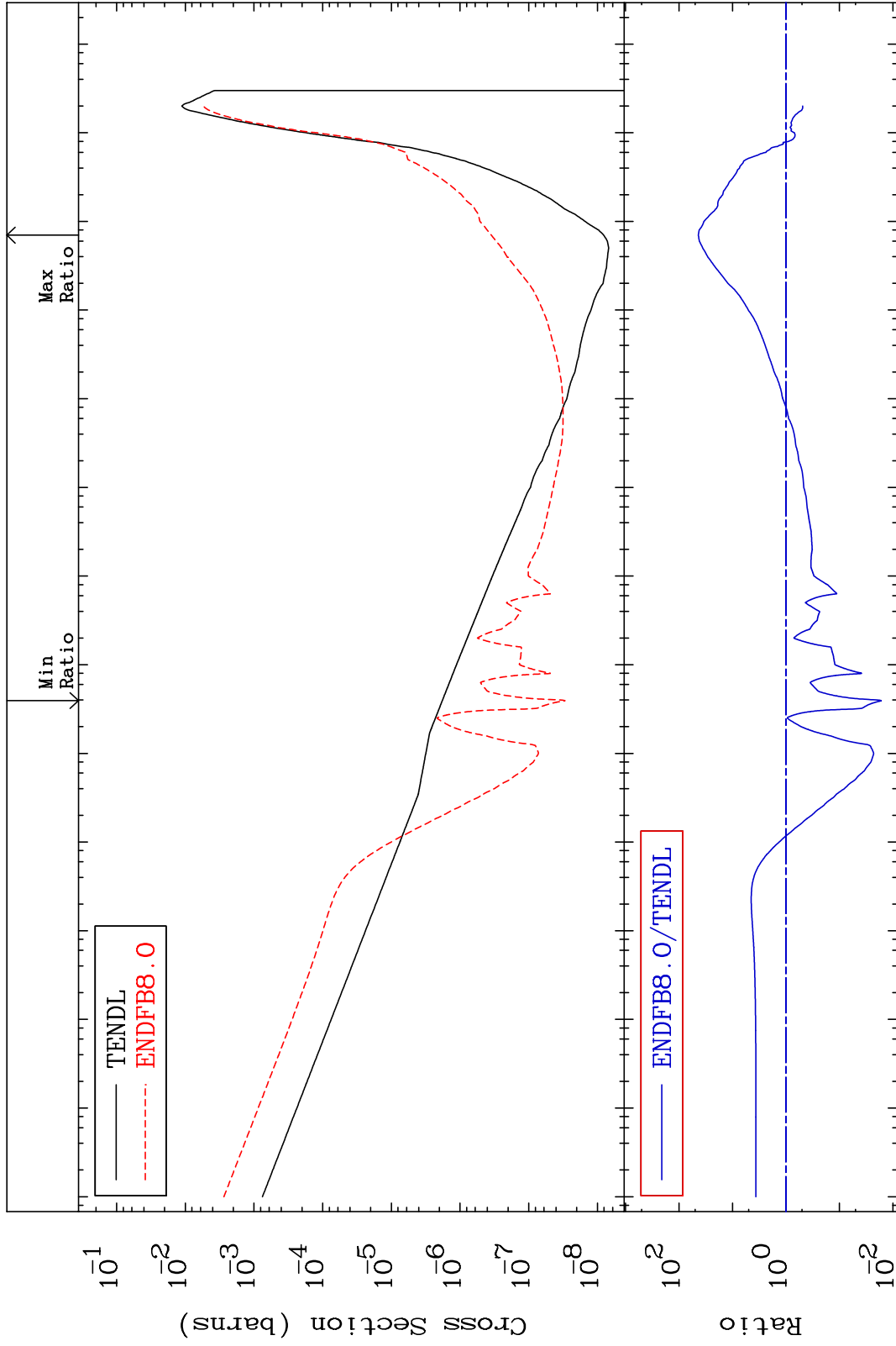
Incident Energy (eV)

64-Gd-155

MAT 6434

(n, α)
Cross Section

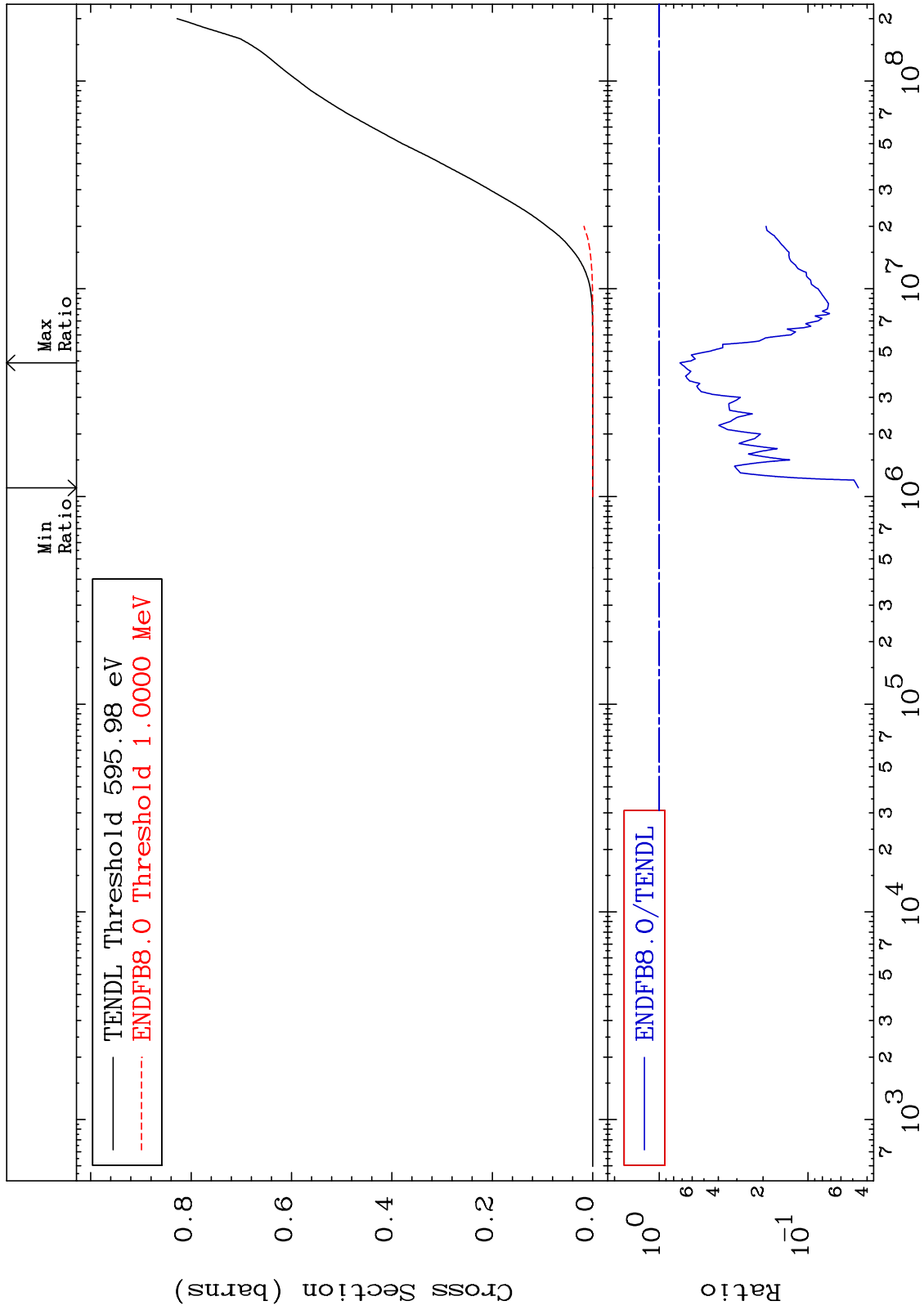
64-Gd-155
-98.37 To 4243. %



MAT 6434

Hydrogen Production
Cross Section

64-Gd-155
-95.43 To -27.58%



44

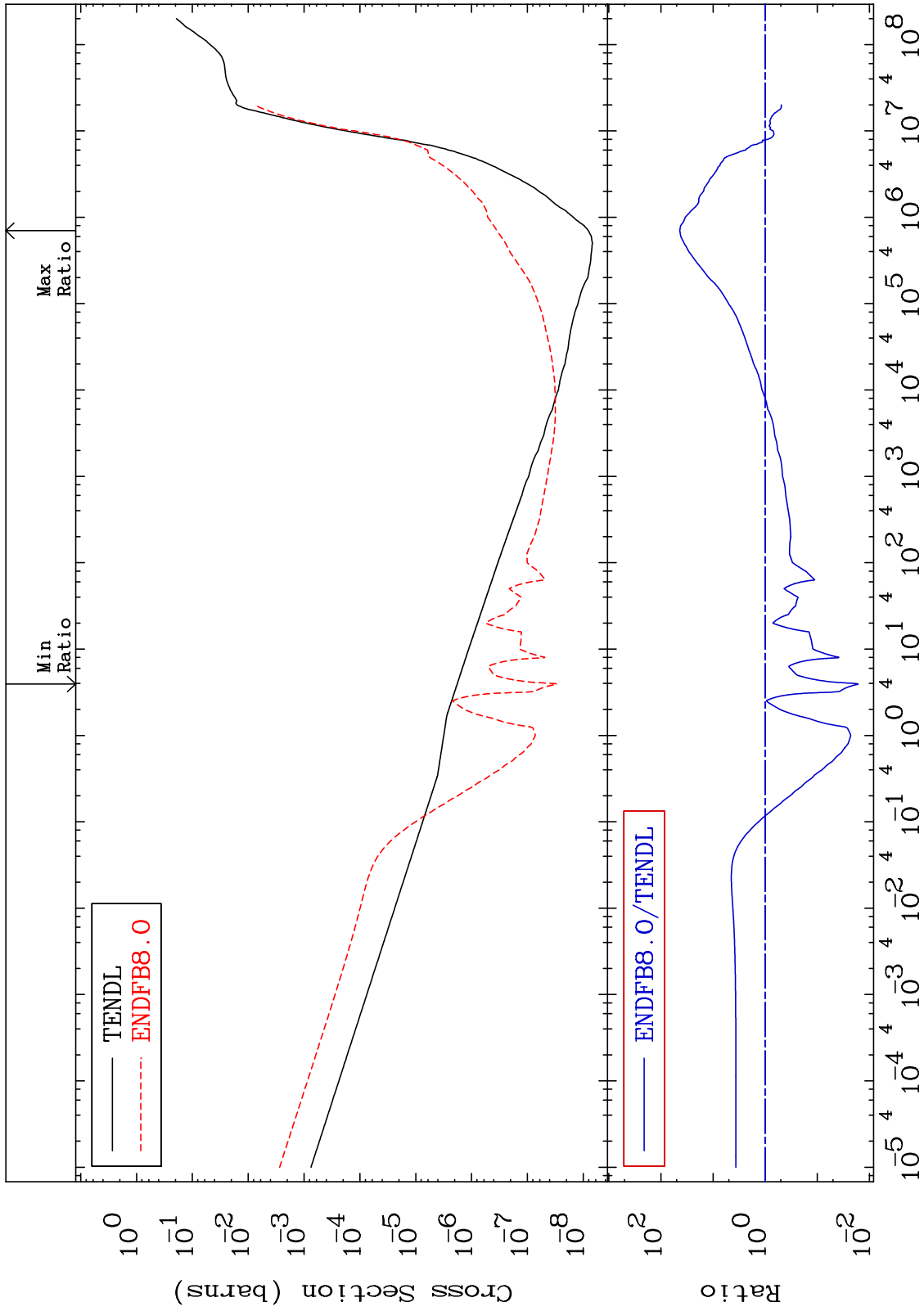
Incident Energy (eV)

64-Gd-155

MAT 6434

He-4 Production
Cross Section

64-Gd-155
-98.37 To 4243. %

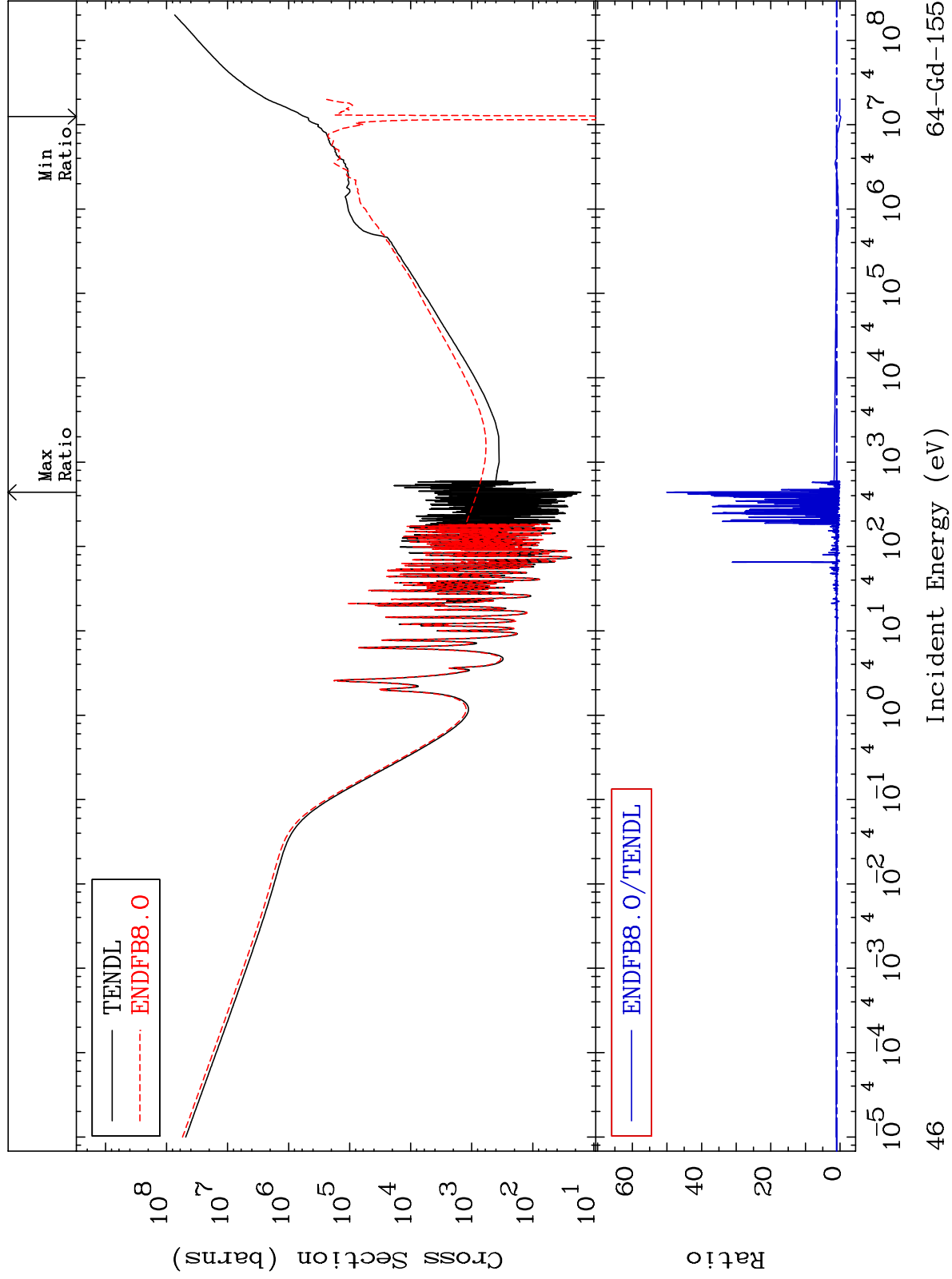


MAT 6434

Kerma total (eV-barns)
Cross Section

64-Gd-155

-116.8 To 4917. %



46

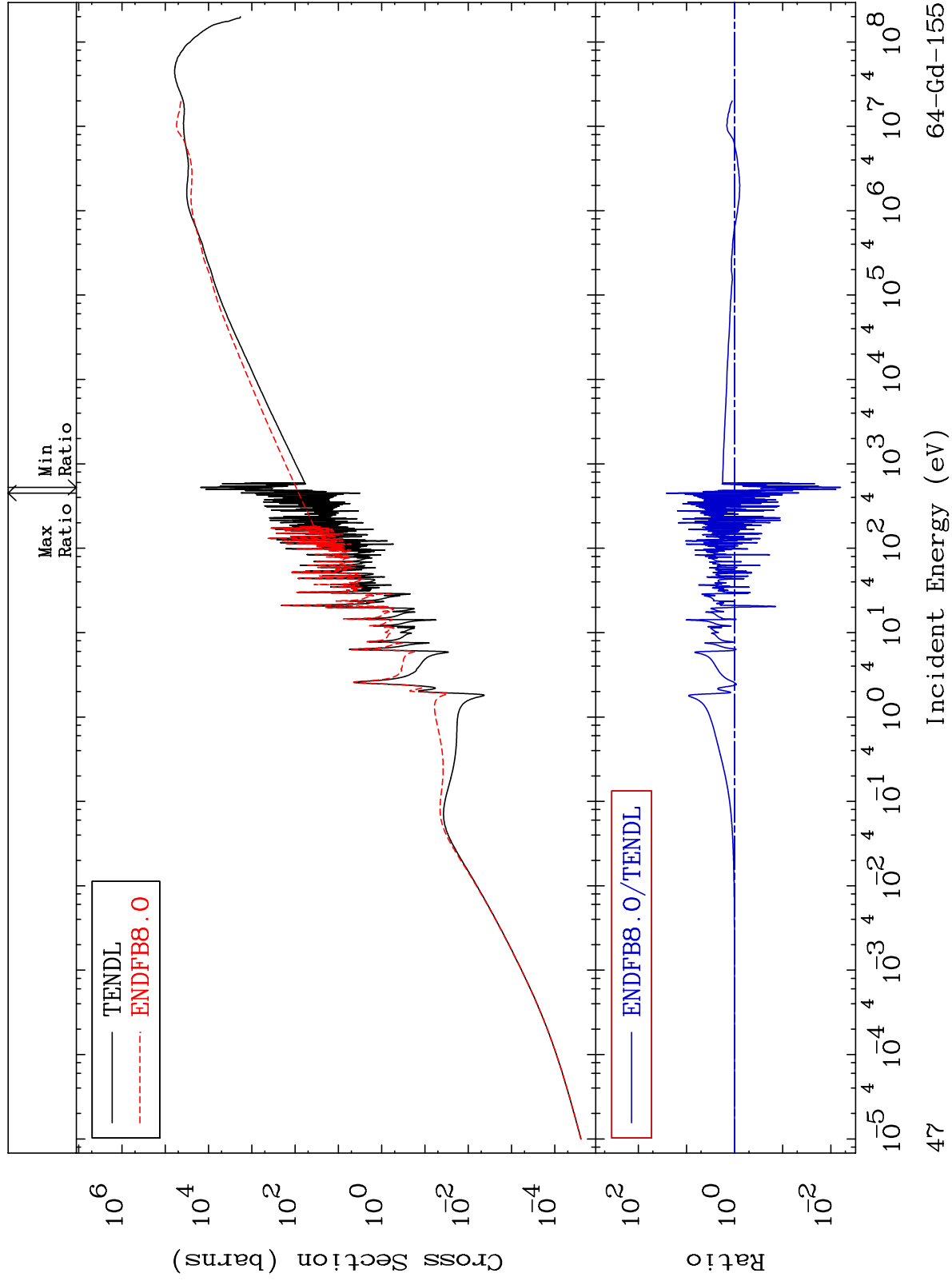
Incident Energy (eV)

64-Gd-155

MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-99.37 To 2512. %



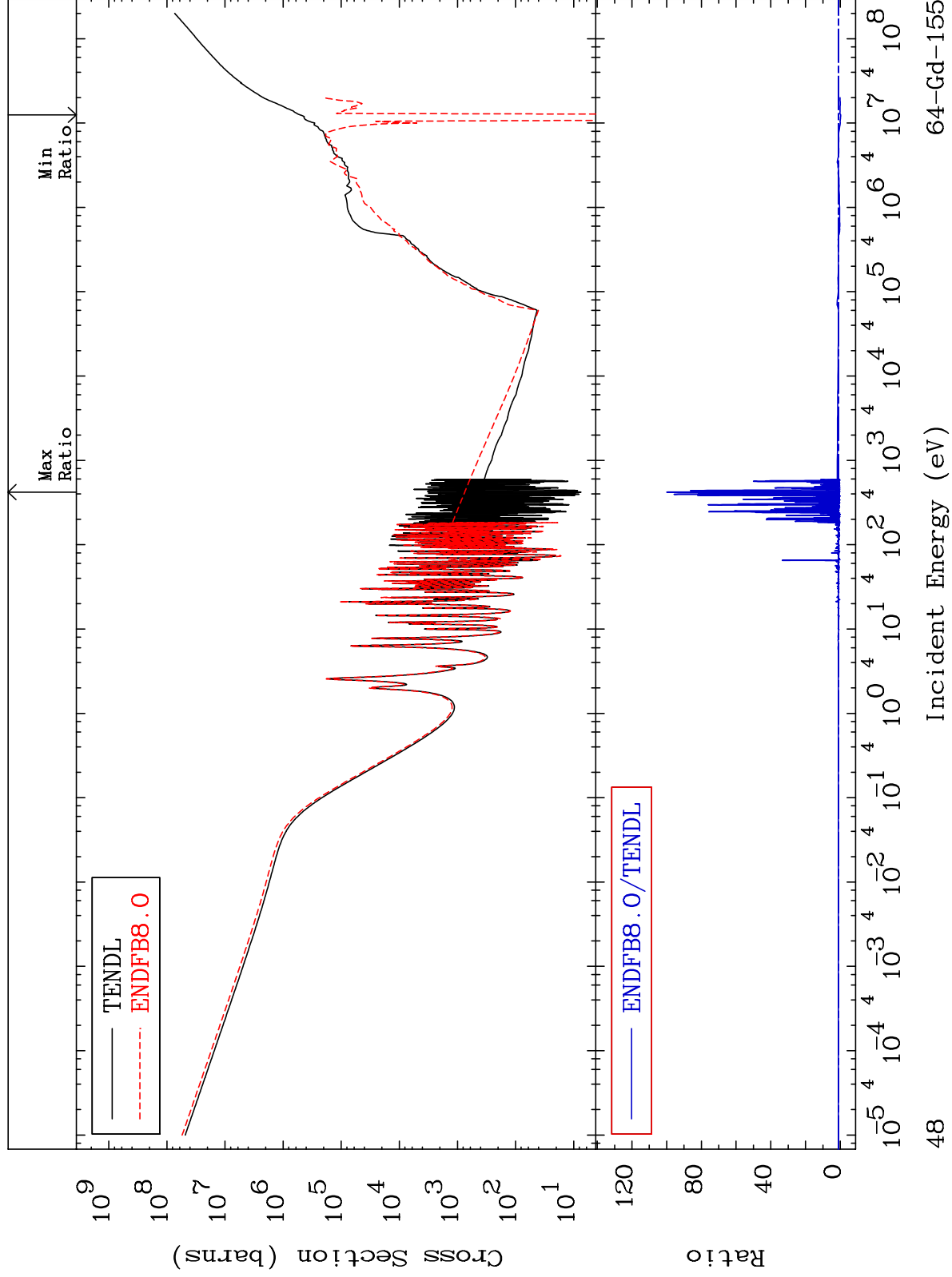
47

64-Gd-155

MAT 6434

Kerma non-elastic (all but mt2)
Cross Section

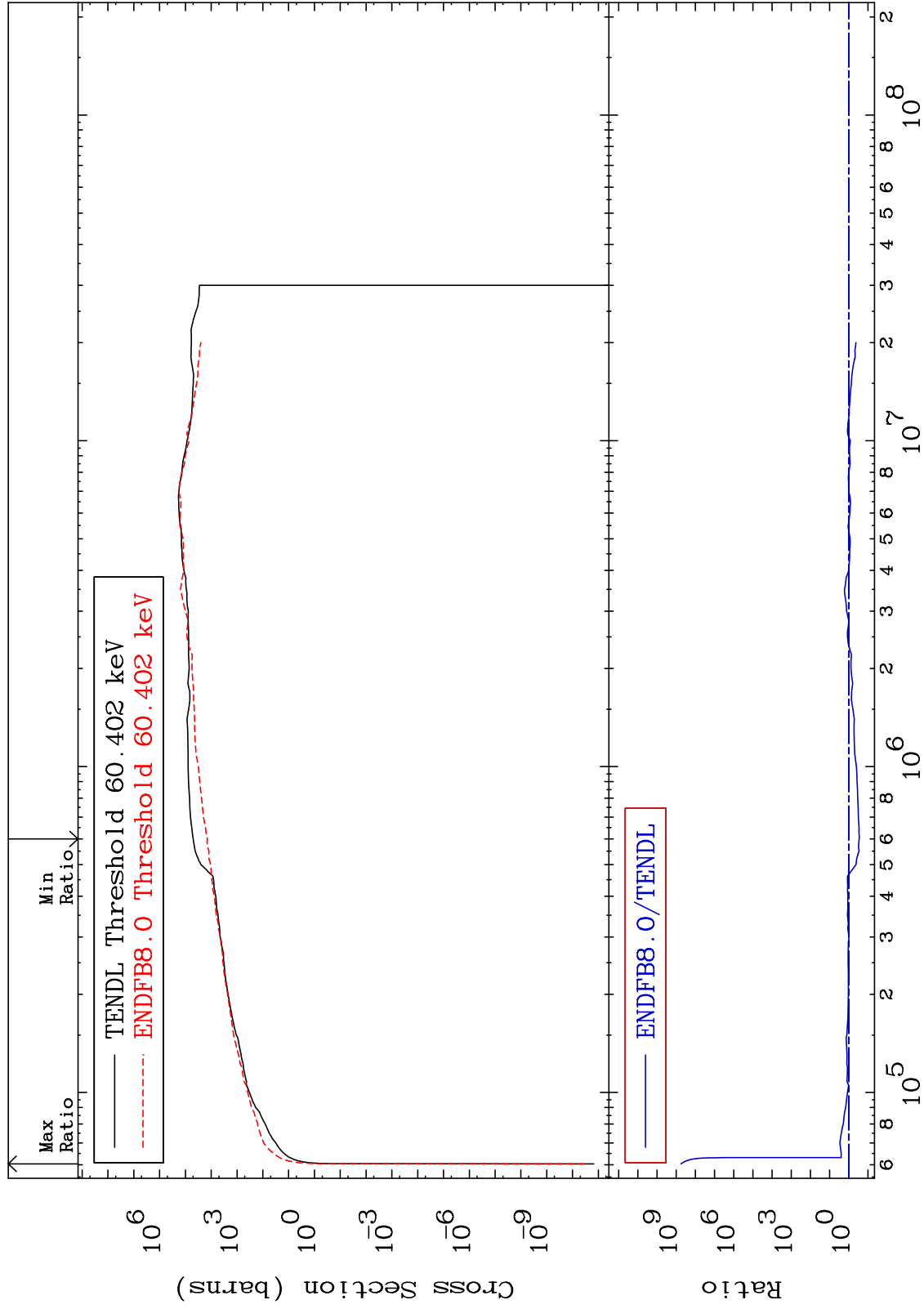
64-Gd-155
-128.3 To 9918. %



MAT 6434

Kerma inelastic (mt51-91)
Cross Section

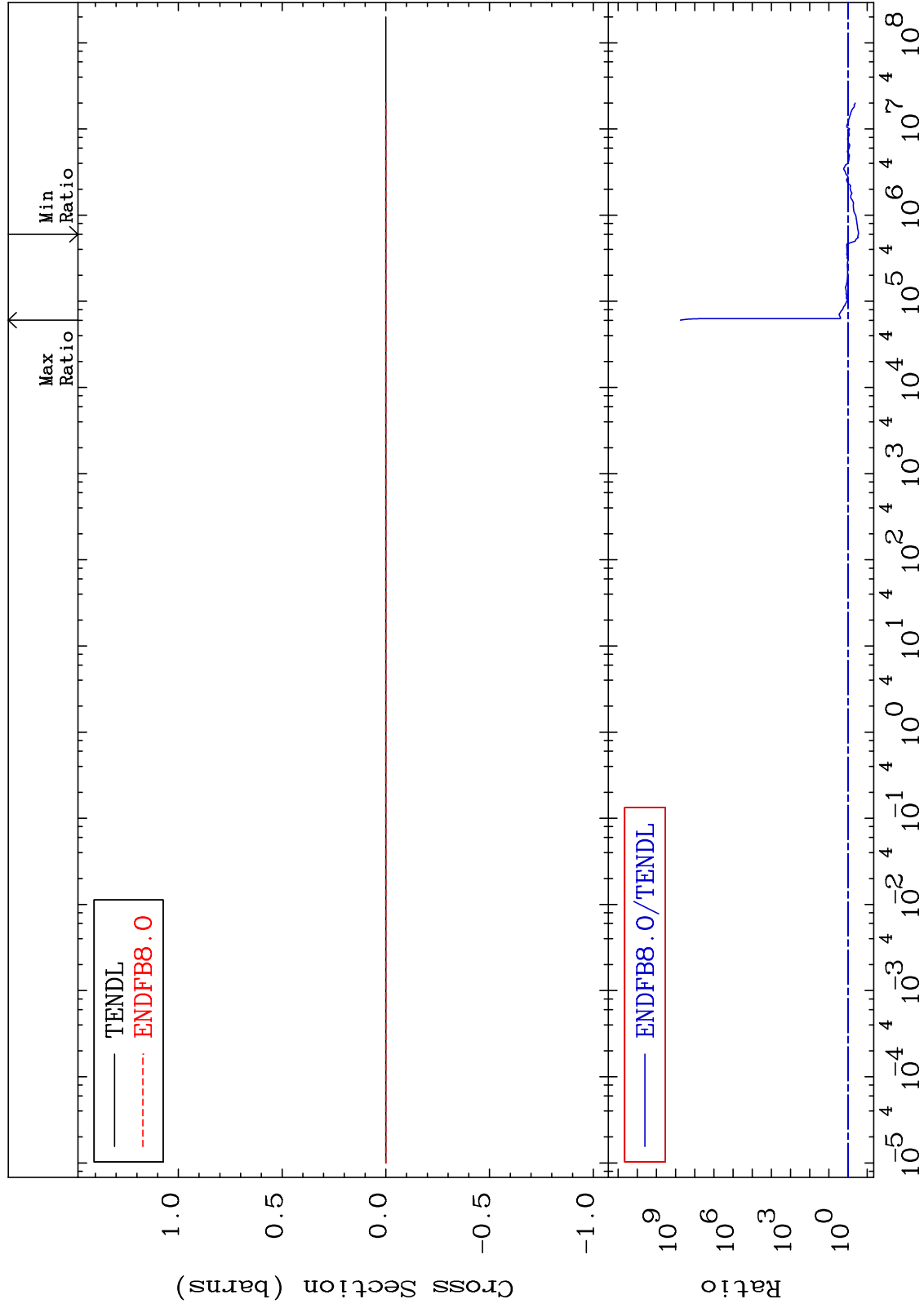
64-Gd-155
-71.68 To 9999. %



MAT 6434

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

64-Gd-155
-71.68 To 9999. %



50

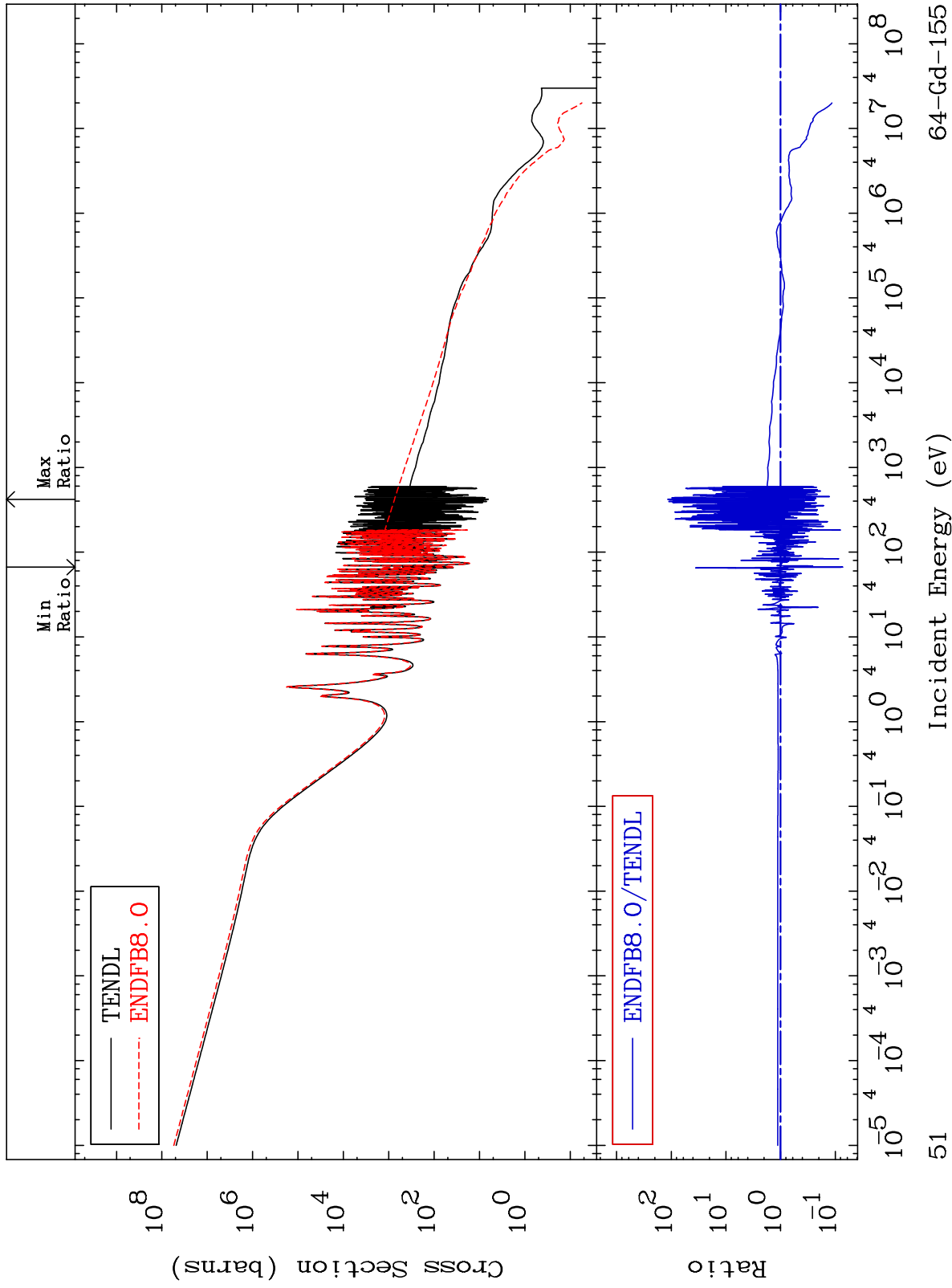
Incident Energy (eV)

64-Gd-155

MAT 6434

Kerma capture (mt102)
Cross Section

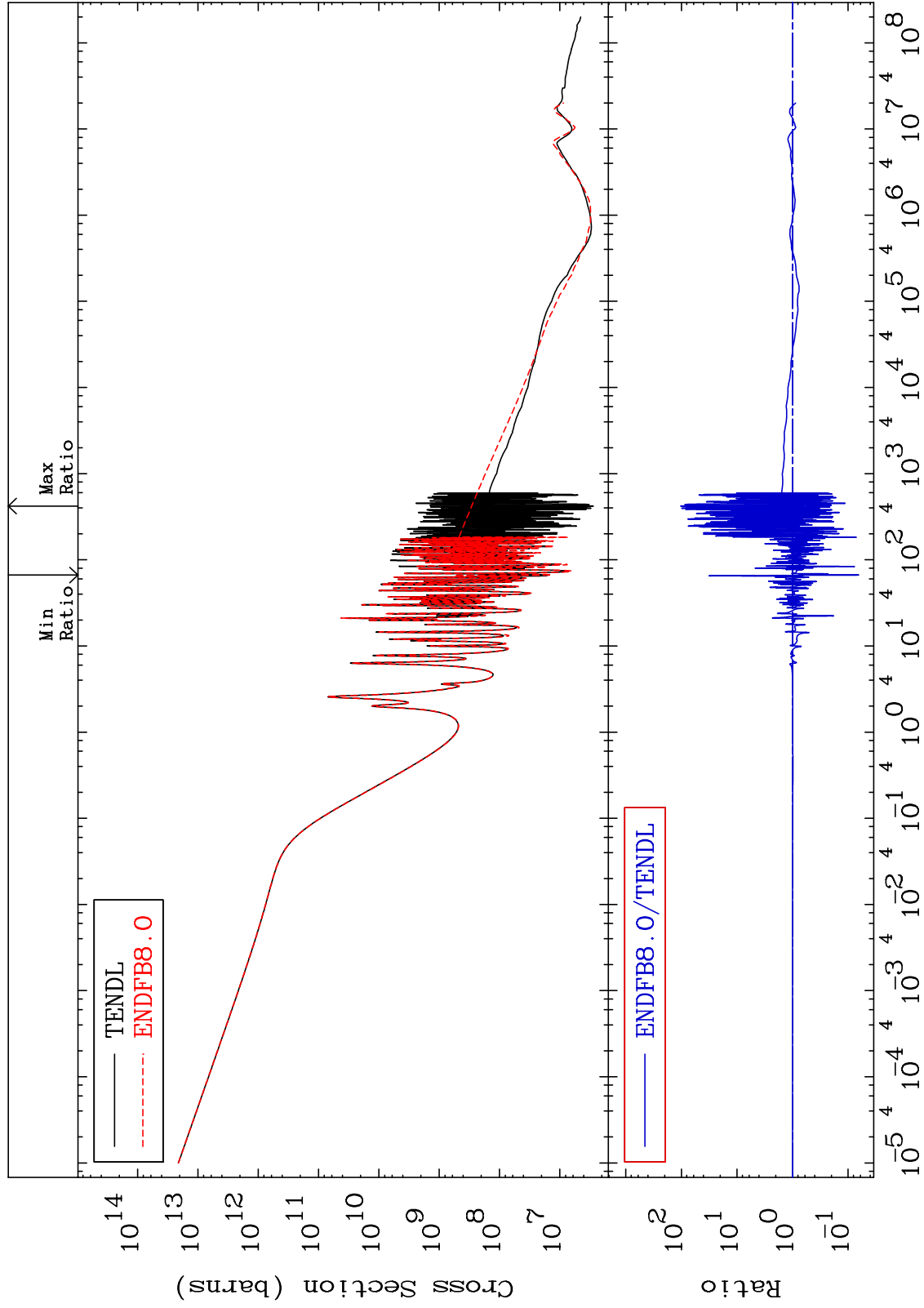
64-Gd-155
-92.68 To 9999. %



MAT 6434

Total photon (eV-barns)
Cross Section

64-Gd-155
-93.50 To 9999. %



52

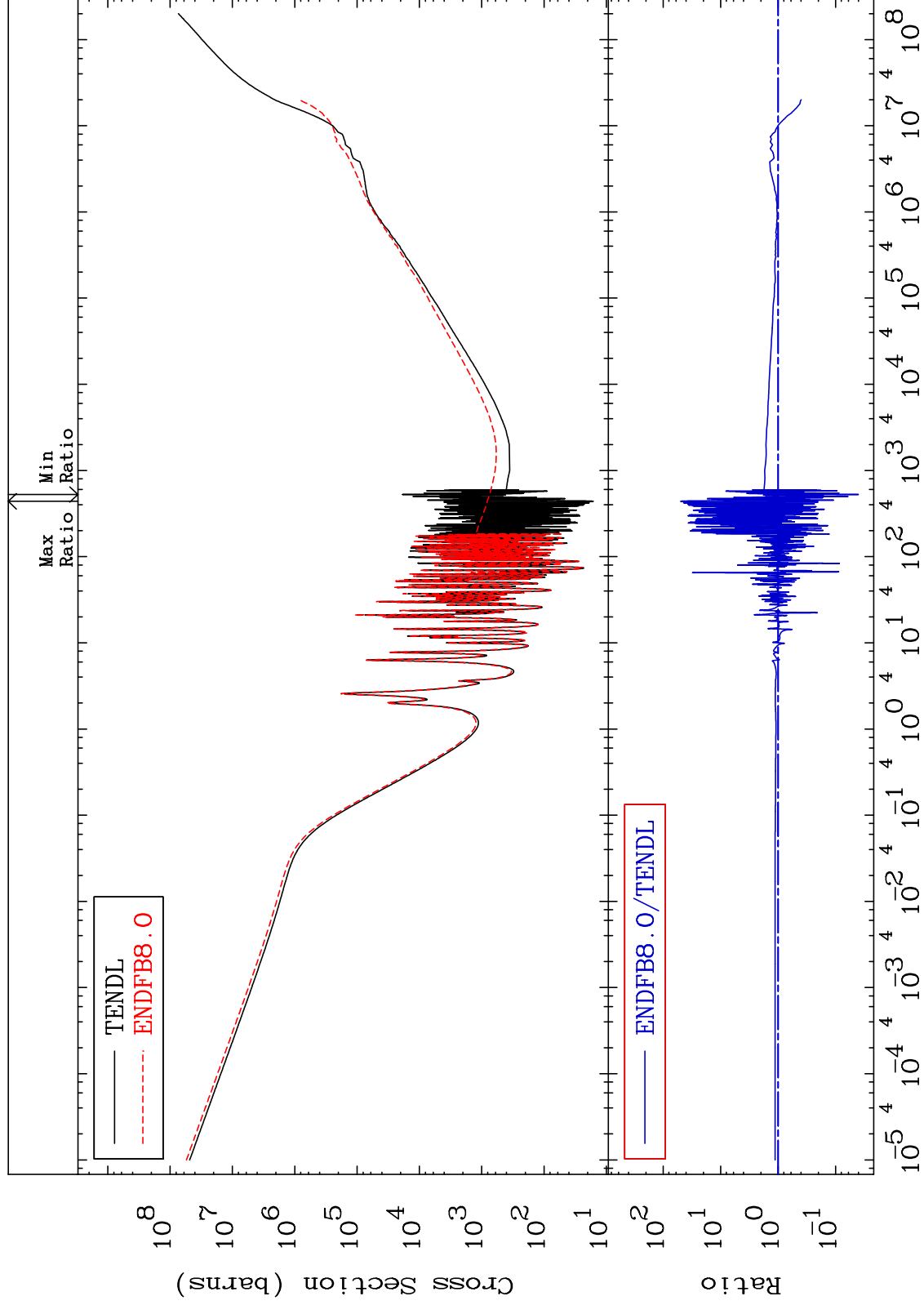
Incident Energy (eV)

64-Gd-155

MAT 6434

Total kinematic kerma (high limit)
Cross Section

64-Gd-155
-96.01 To 4915. %



53

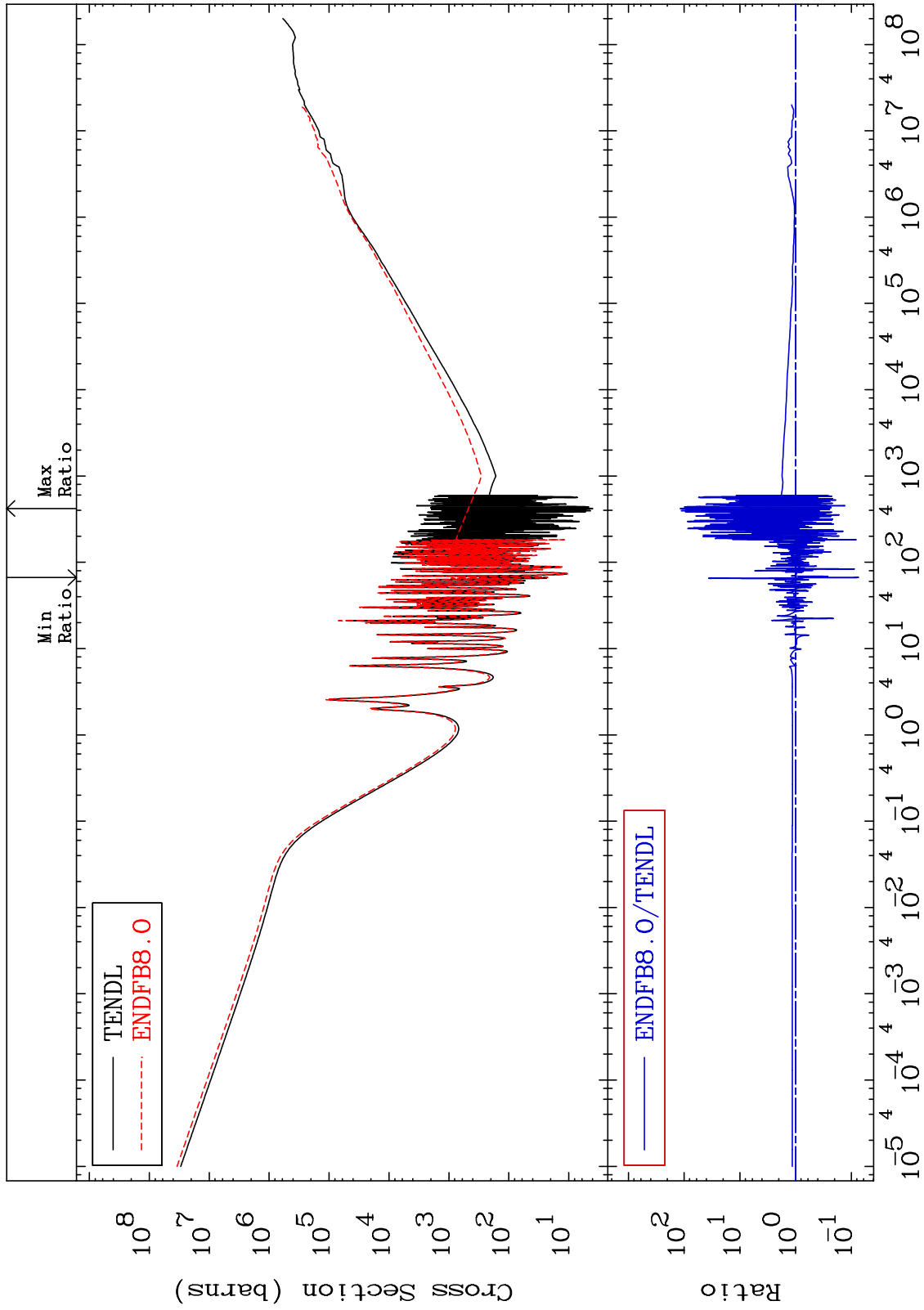
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa total (eV-barns)
Cross Section

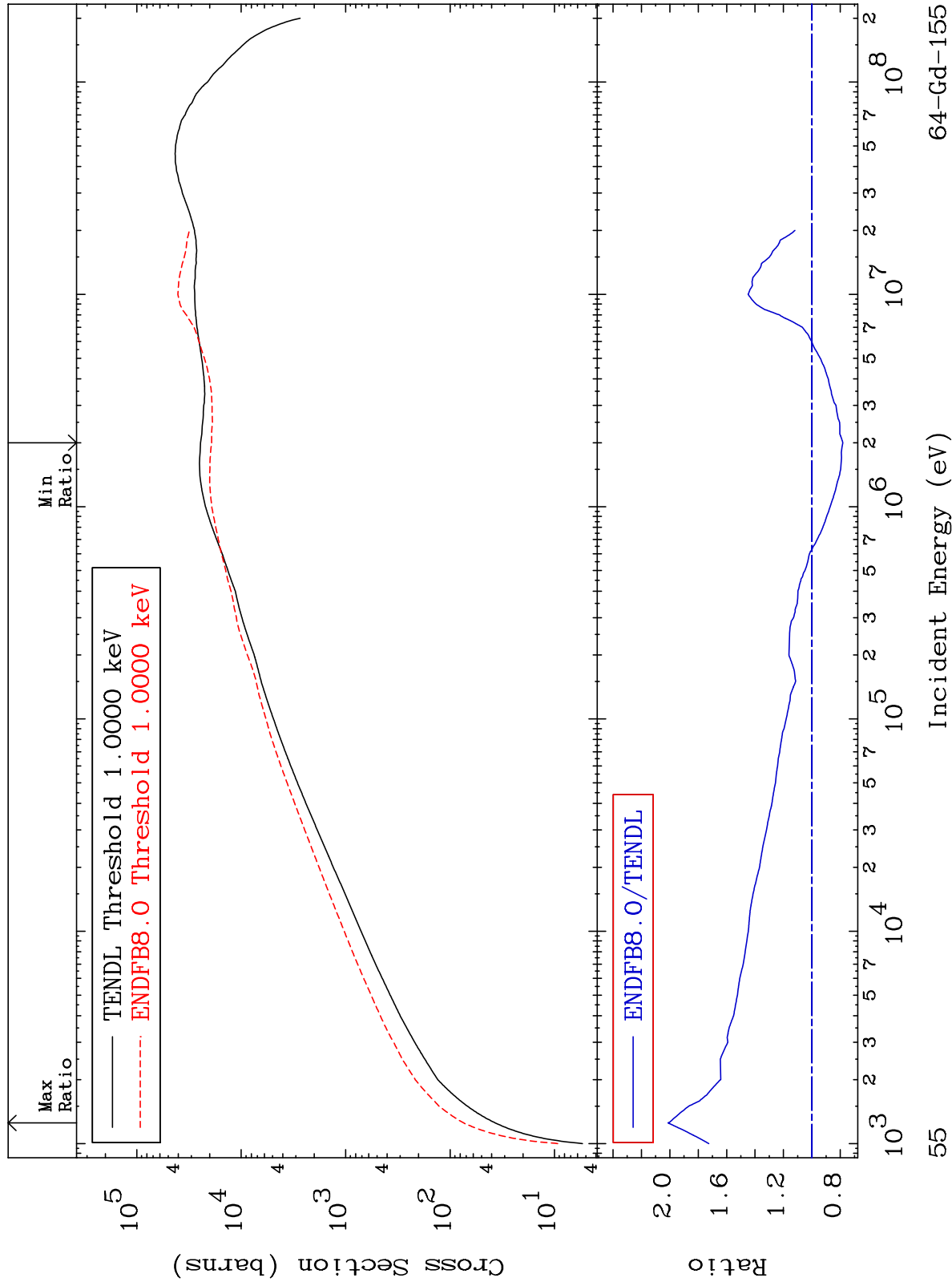
64-Gd-155
-92.53 To 9999. %



MAT 6434

Dpa elastic (mt2)
Cross Section

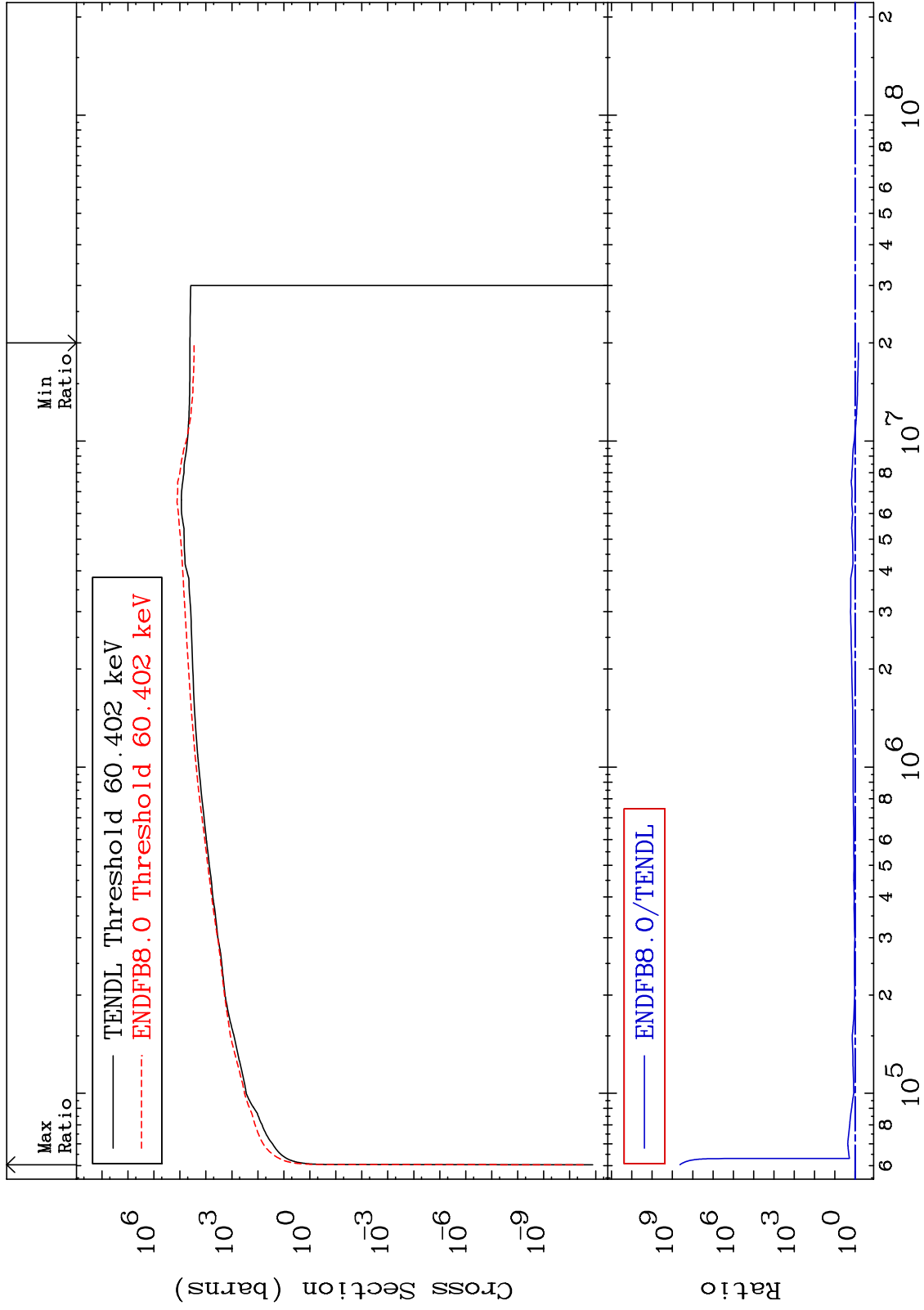
64-Gd-155
-21.77 To 101.2 %



MAT 6434

Dpa inelastic (mt51-91)
Cross Section

64-Gd-155
-31.30 To 9999. %



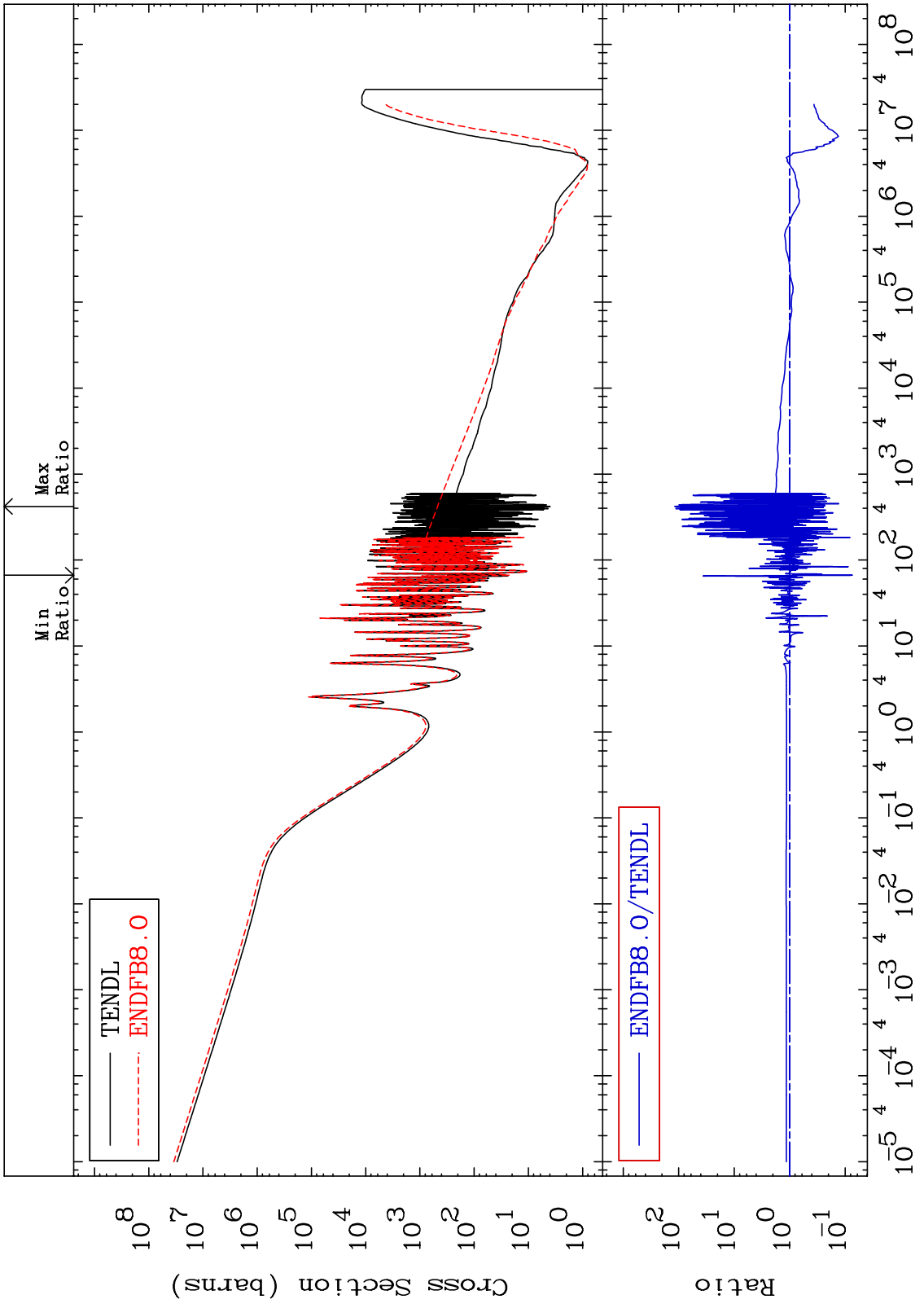
MAT 6434

Dpa disappearance (mt102 -120)

64-Gd-155

-92.53 To 9999. %

Cross Section



57

Incident Energy (eV)

64-Gd-155