

Program Complot
(Version 2018-1)

by

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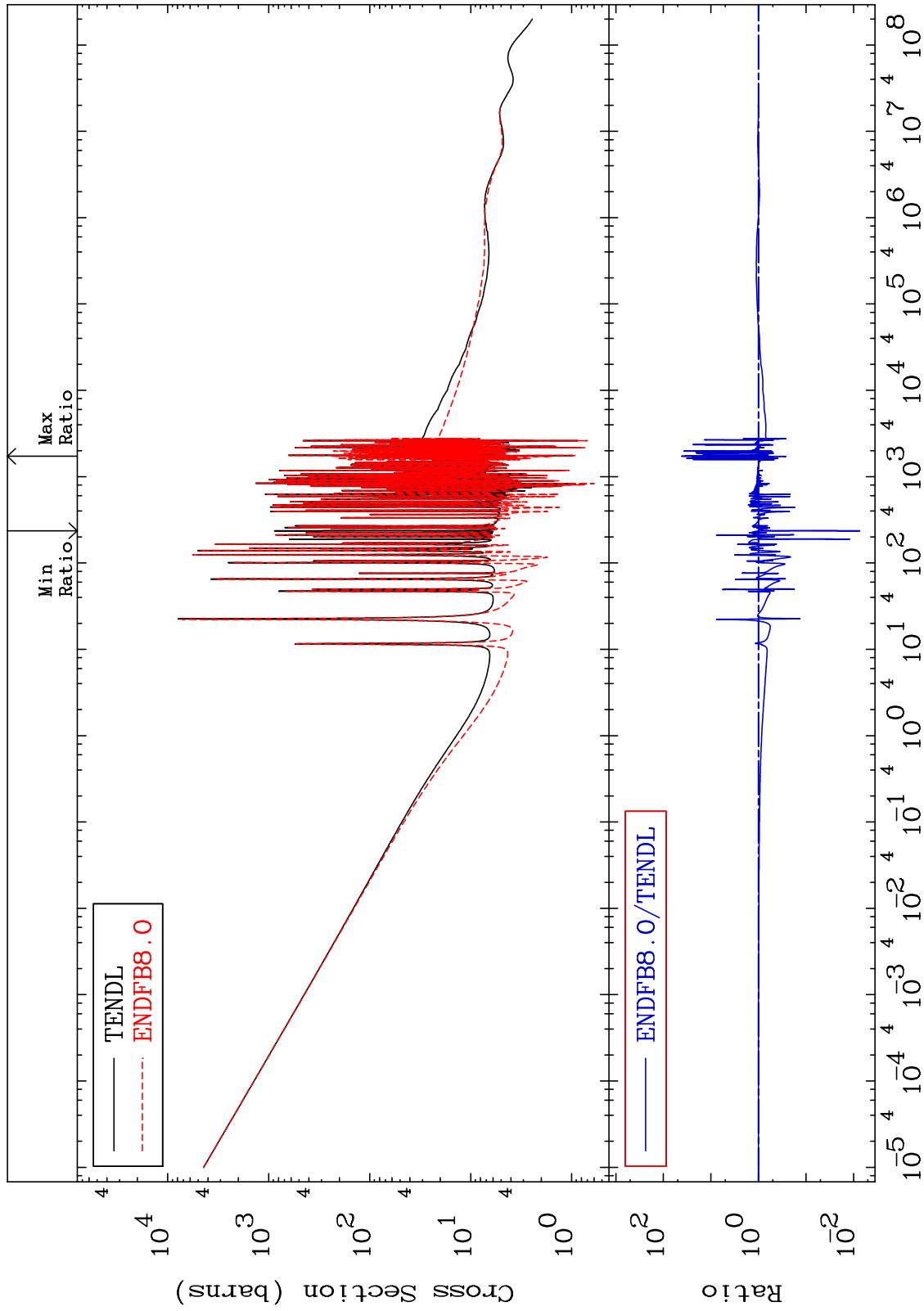
Press Mouse Button to Start

MAT 6431

Total
Cross Section

64-Gd-154

-99.26 To 4109. %



1

Incident Energy (eV)

64-Gd-154

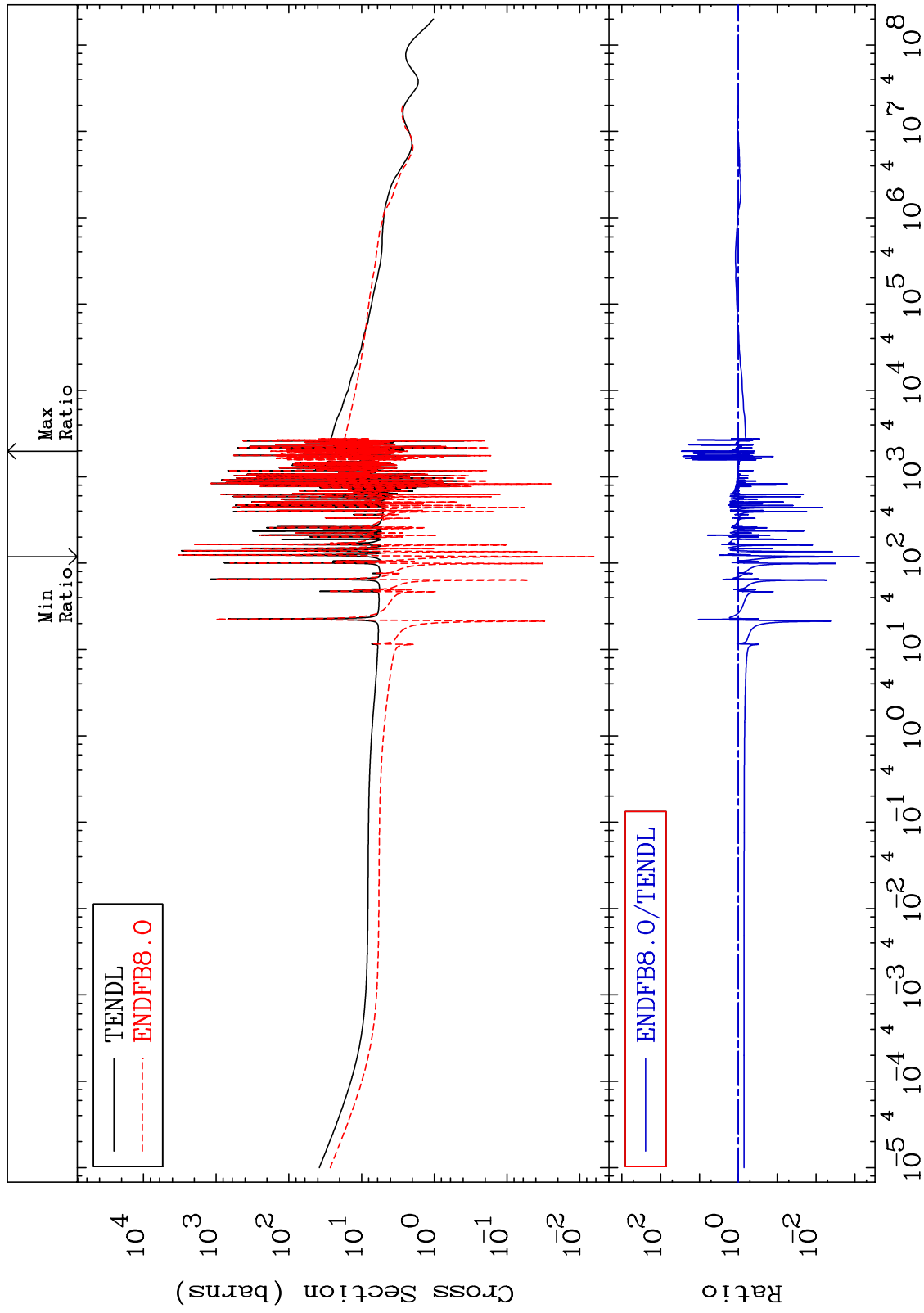
MAT 6431

Elastic

64-Gd-154

Cross Section

-99.93 To 2837. %

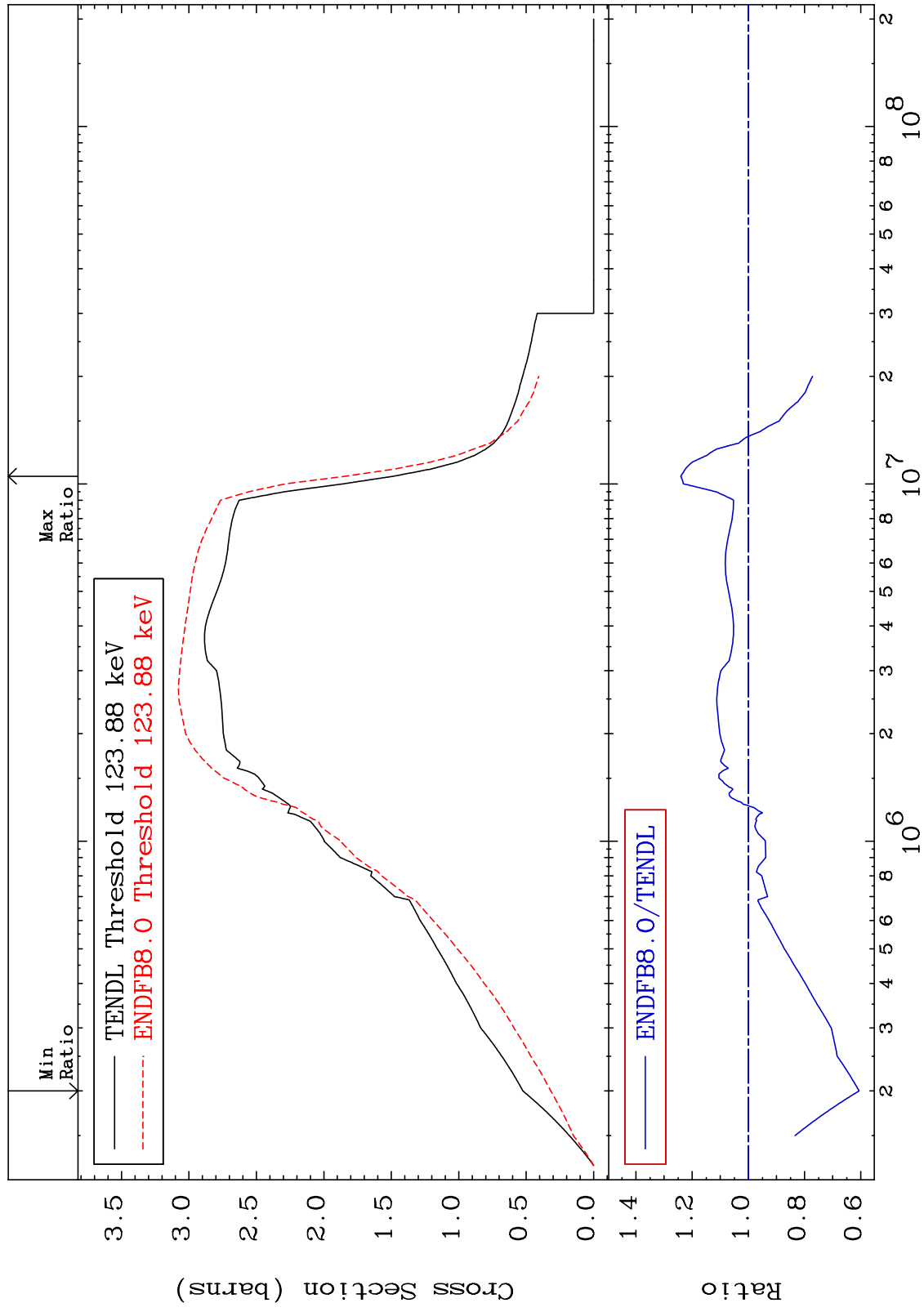


2

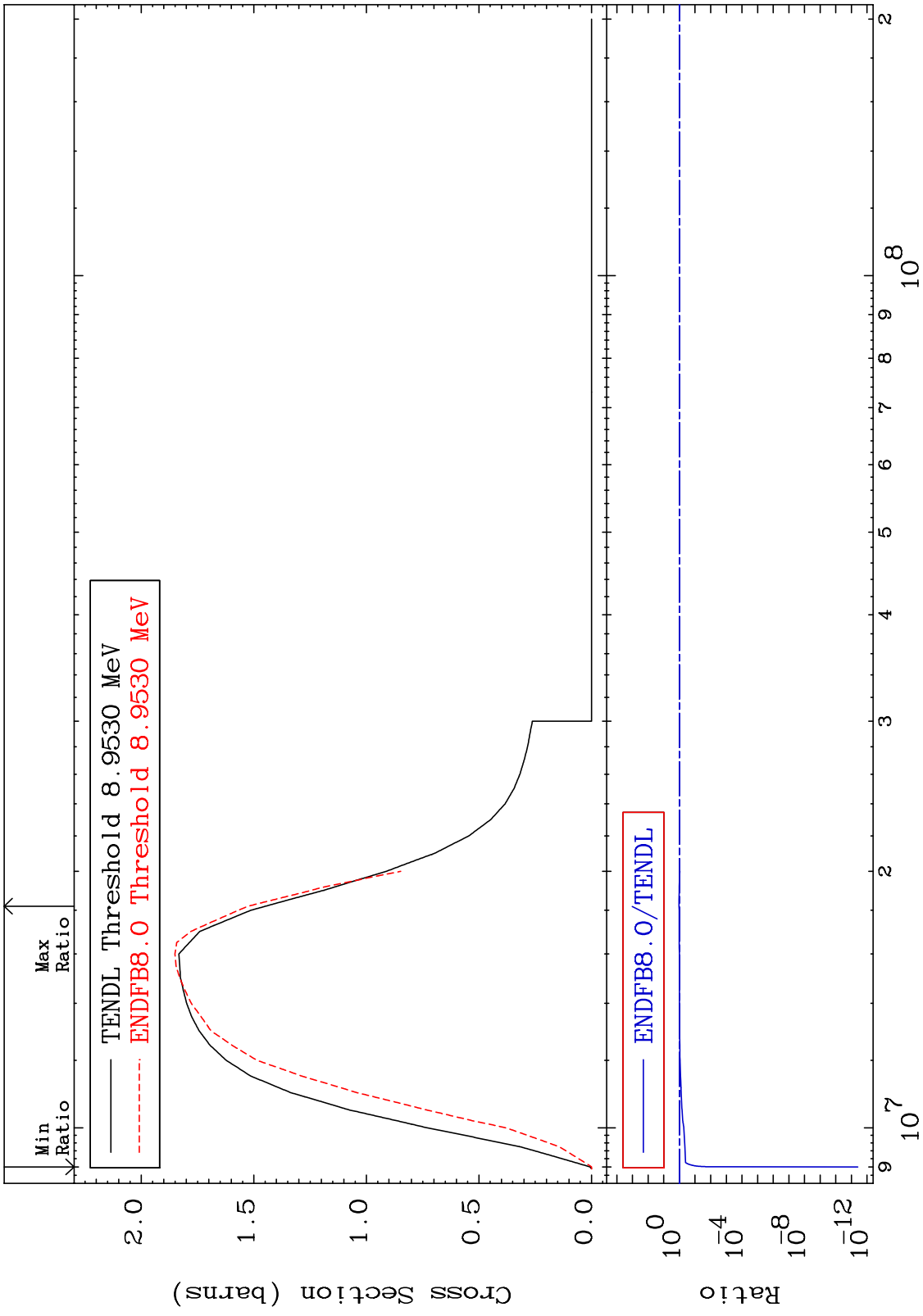
Incident Energy (eV)

64-Gd-154

MAT 6431 Inelastic Cross Section 64-Gd-154 -39.38 To 24.04 %

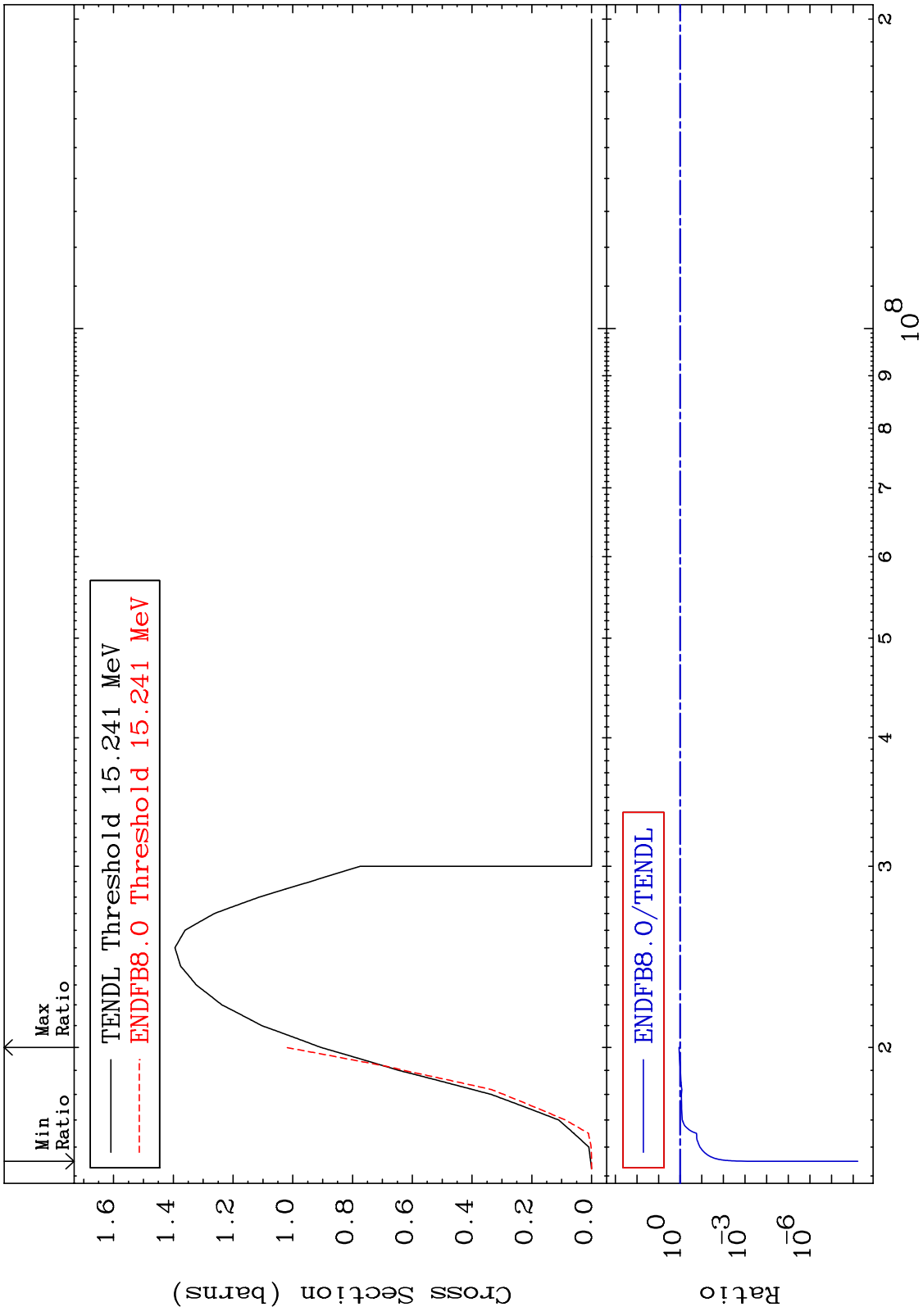


MAT 6431 (n,2n) 64-Gd-154
 Cross Section -100.0 To 5.368 %



4 Incident Energy (eV) 64-Gd-154

MAT 6431 (n,3n) Cross Section 64-Gd-154 -100.0 To 12.80 %



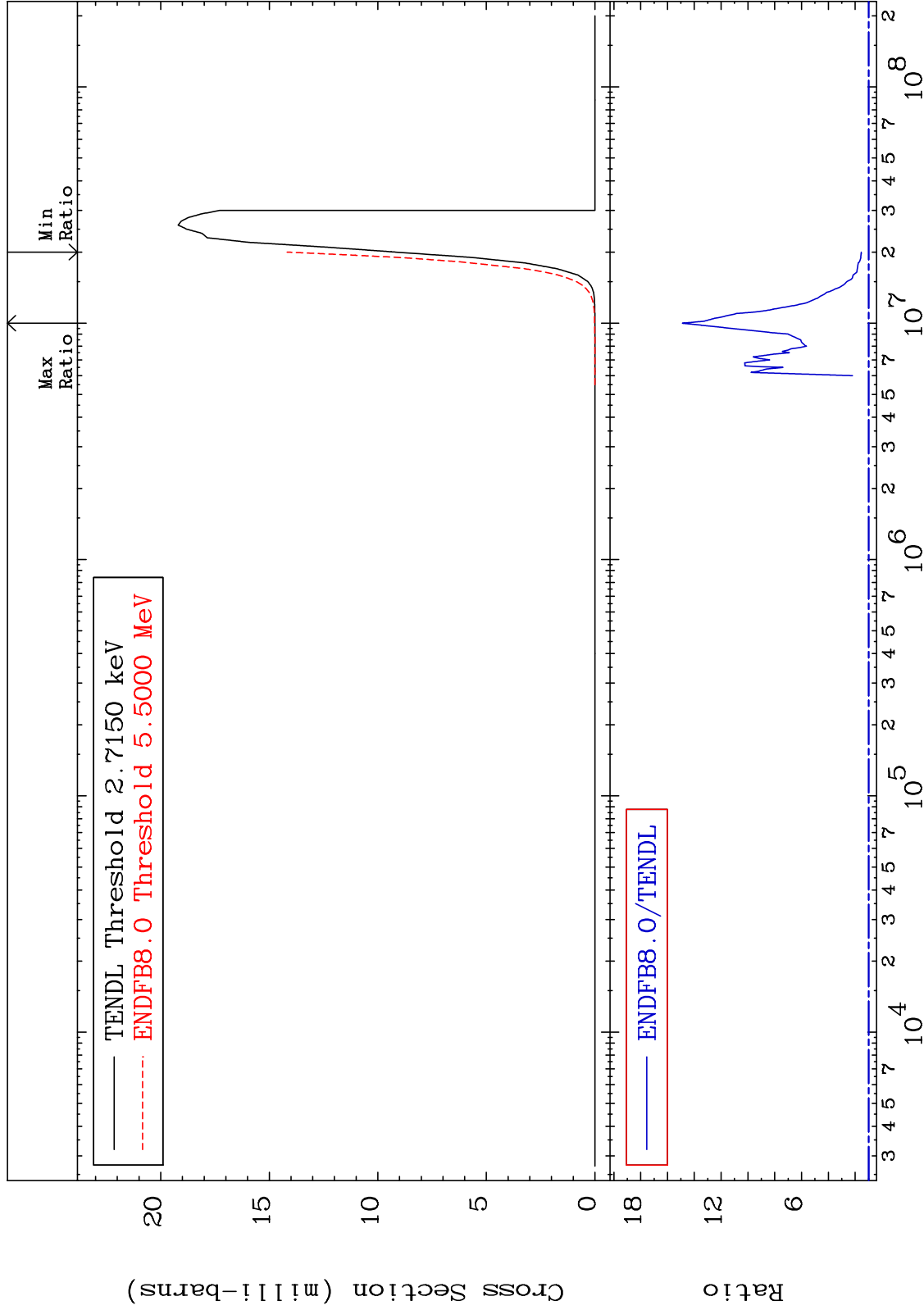
MAT 6431

(n, n') α

Cross Section

64-Gd-154

54.31 To 1388. %



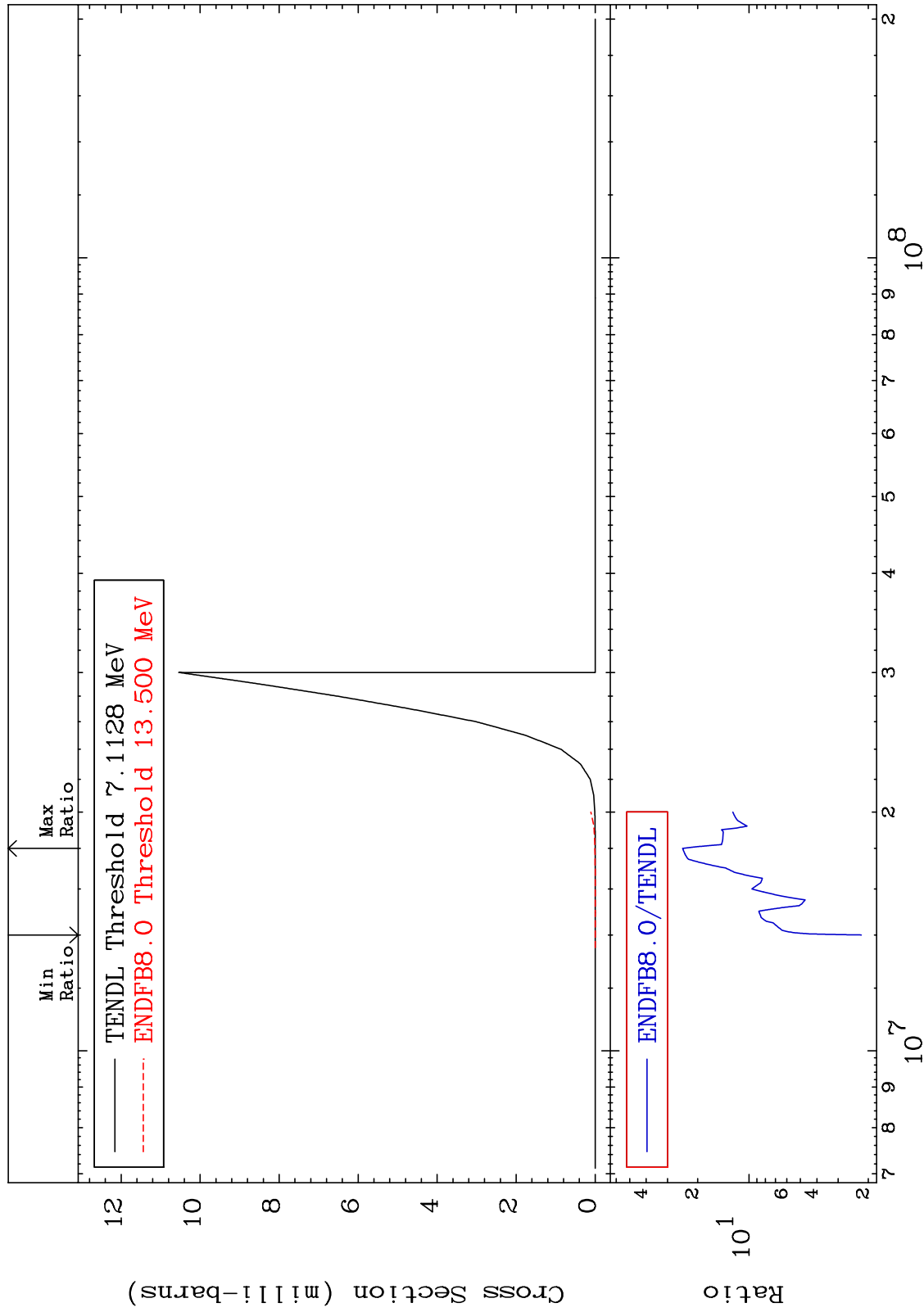
MAT 6431

(n,2n) α

64-Gd-154

Cross Section

119.6 To 2345. %

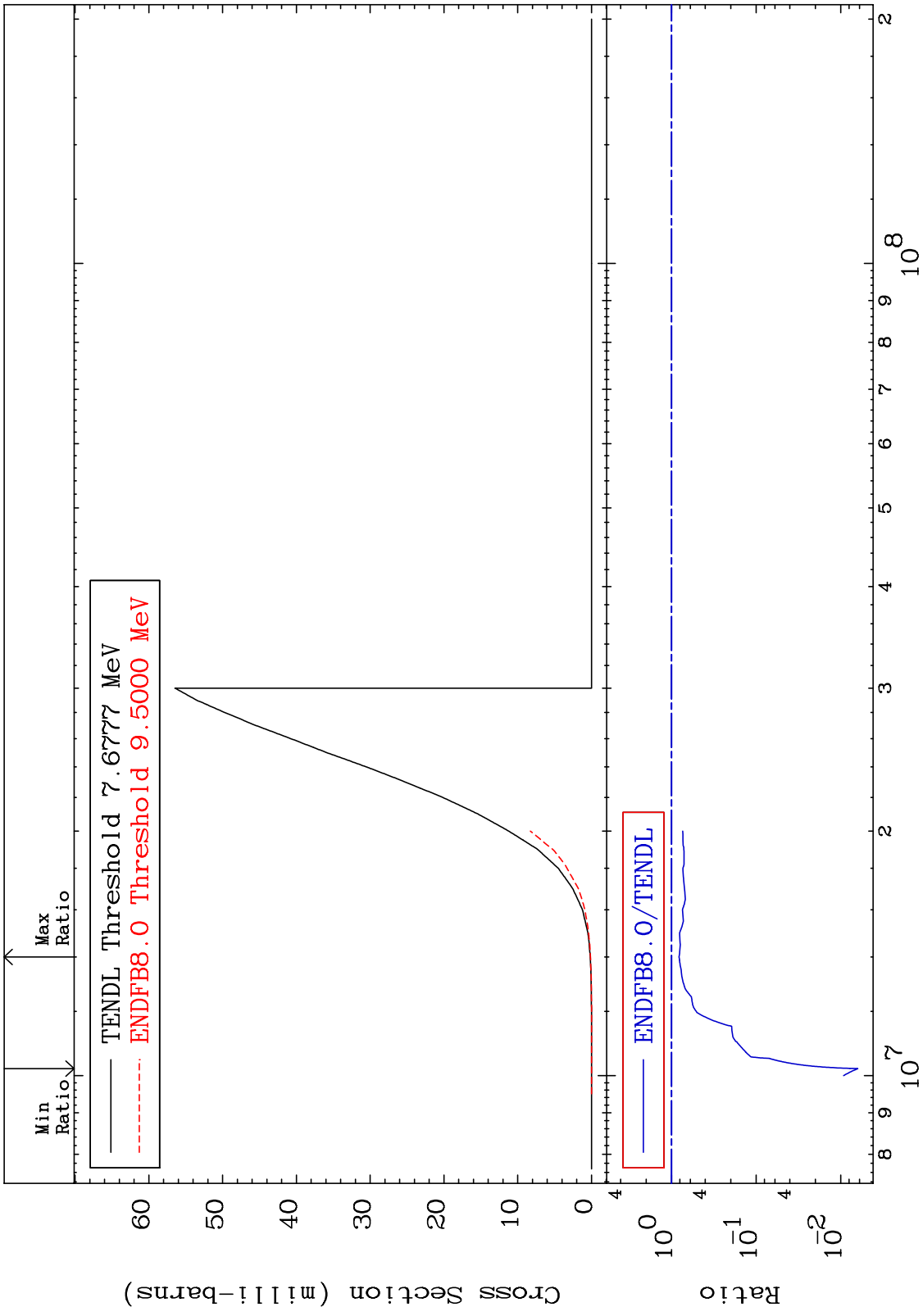


7

Incident Energy (eV)

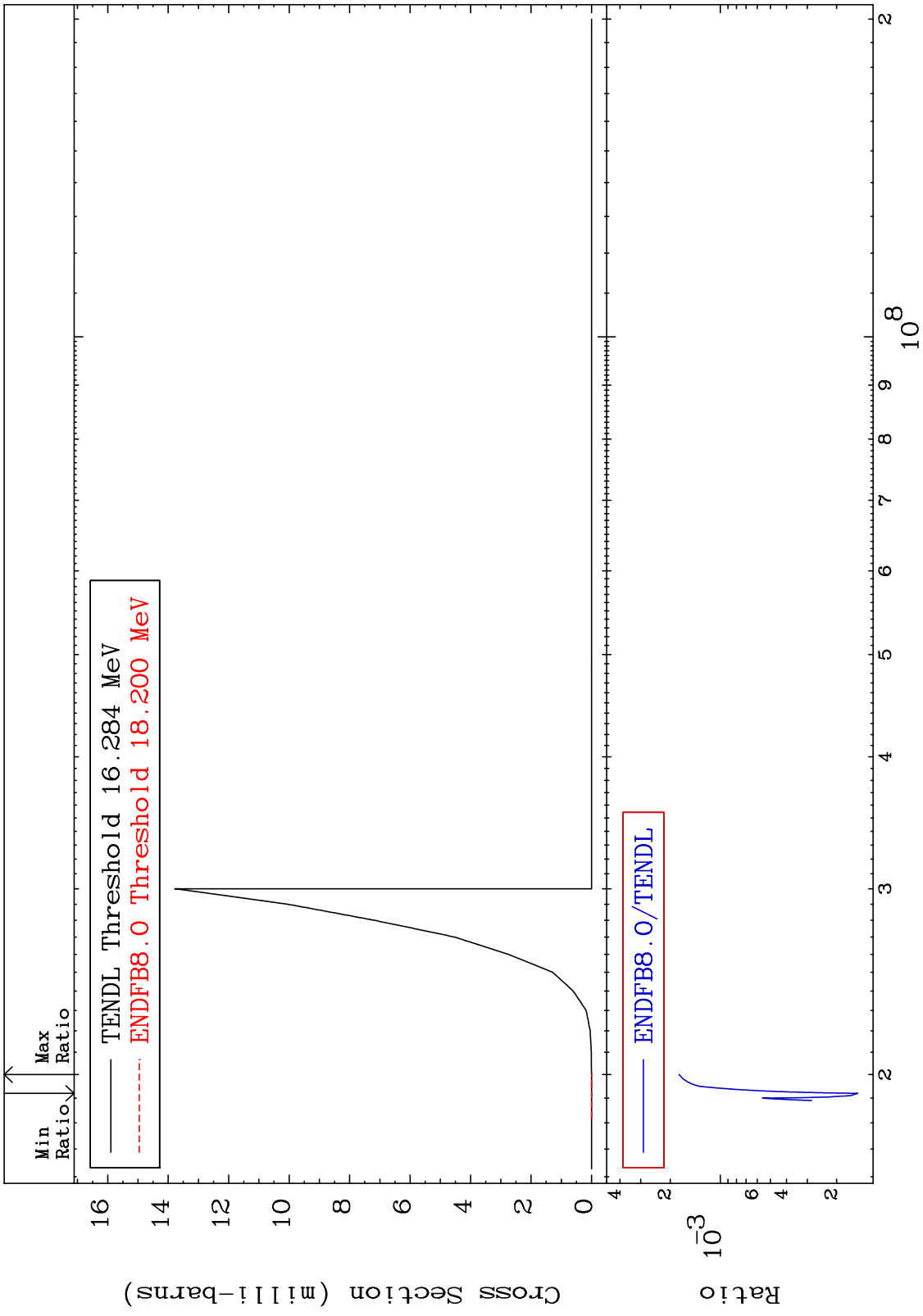
64-Gd-154

MAT 6431 (n, n') p 64-Gd-154
 Cross Section -99.37 To -18.31%

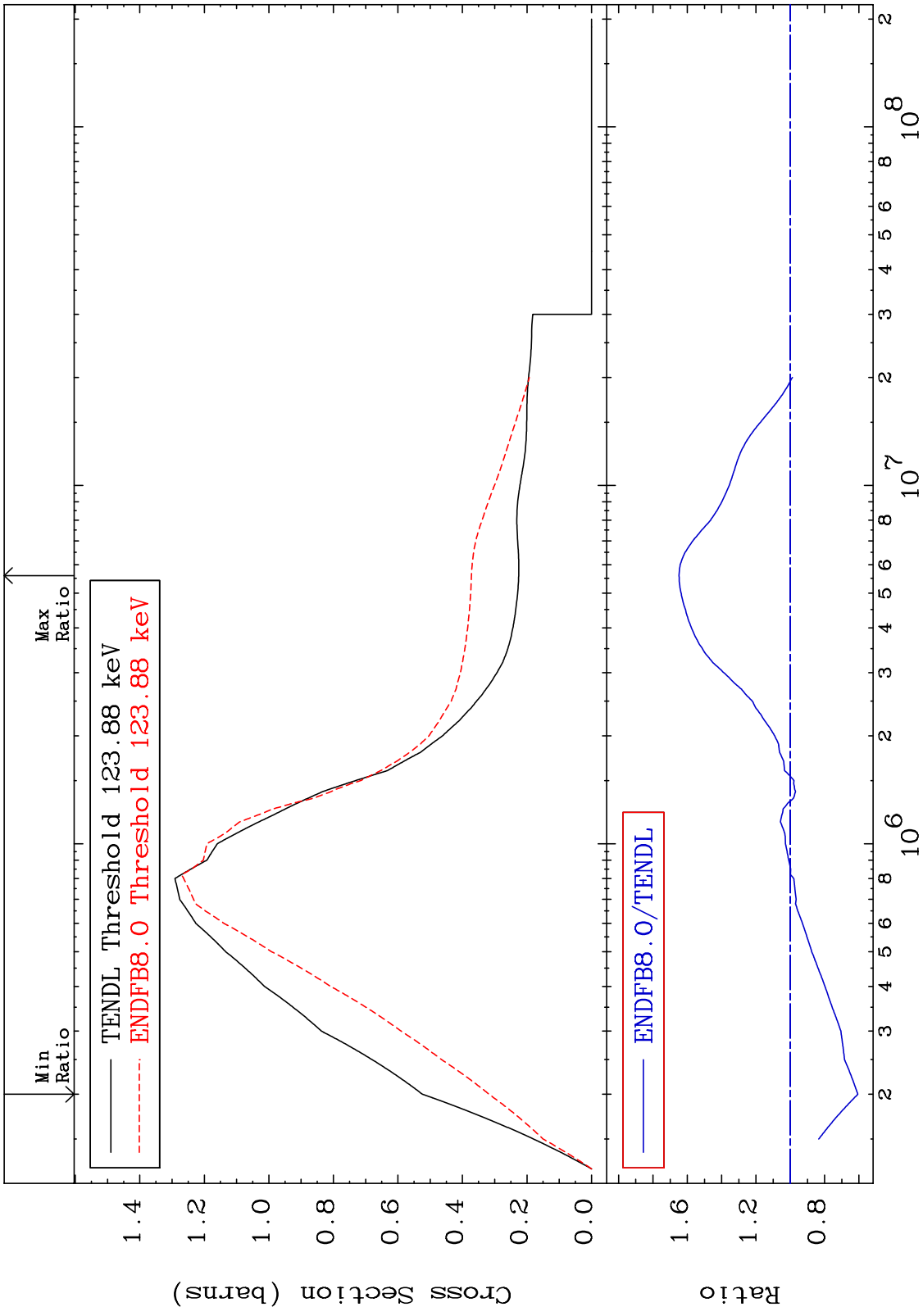


8 Incident Energy (eV) 64-Gd-154

MAT 6431 (n,2n) p 64-Gd-154
 Cross Section -99.99 To -99.82%

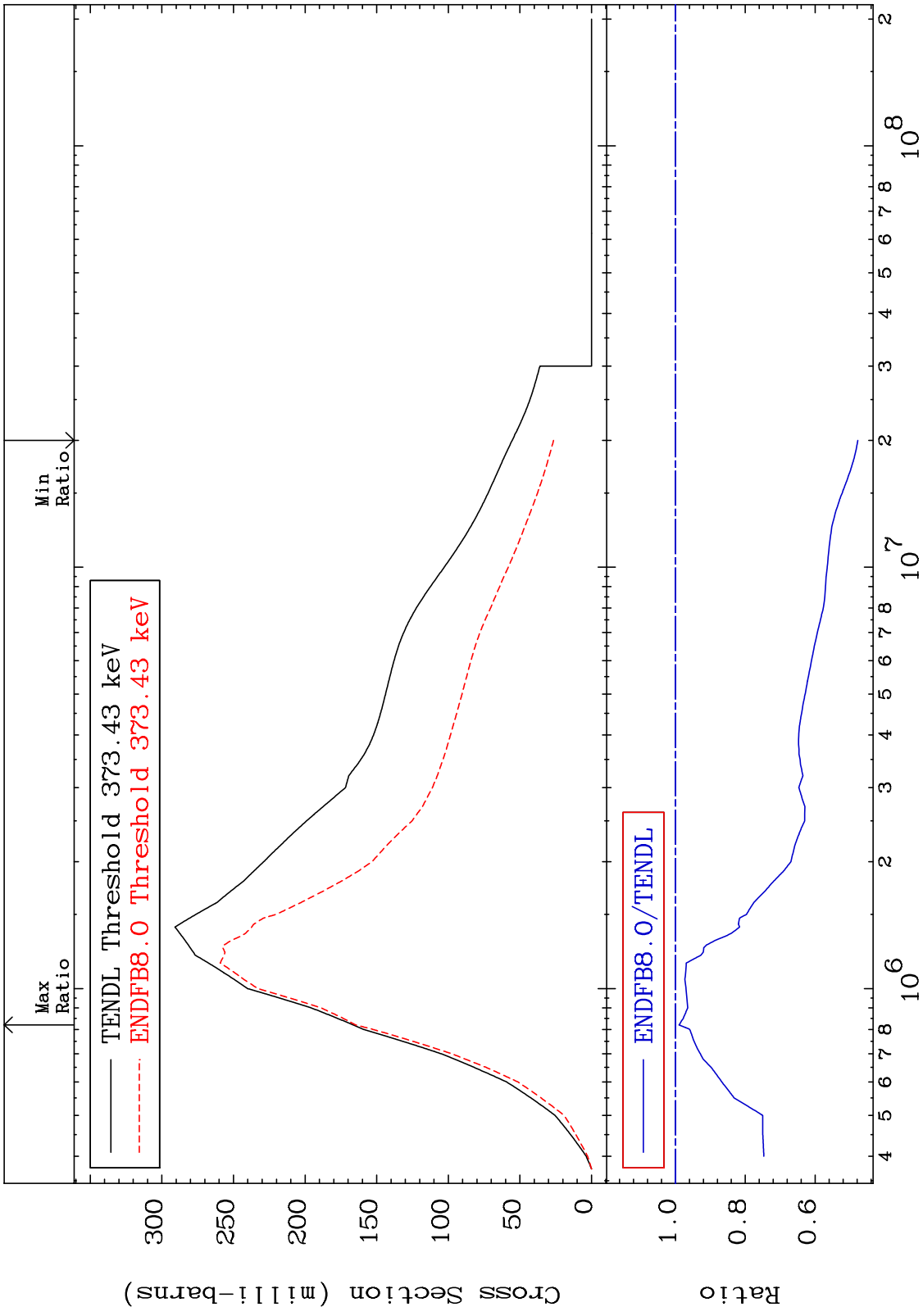


MAT 6431 MT= 51 (n,n') Level Cross Section 64-Gd-154
 -39.38 To 64.80 %



10 64-Gd-154

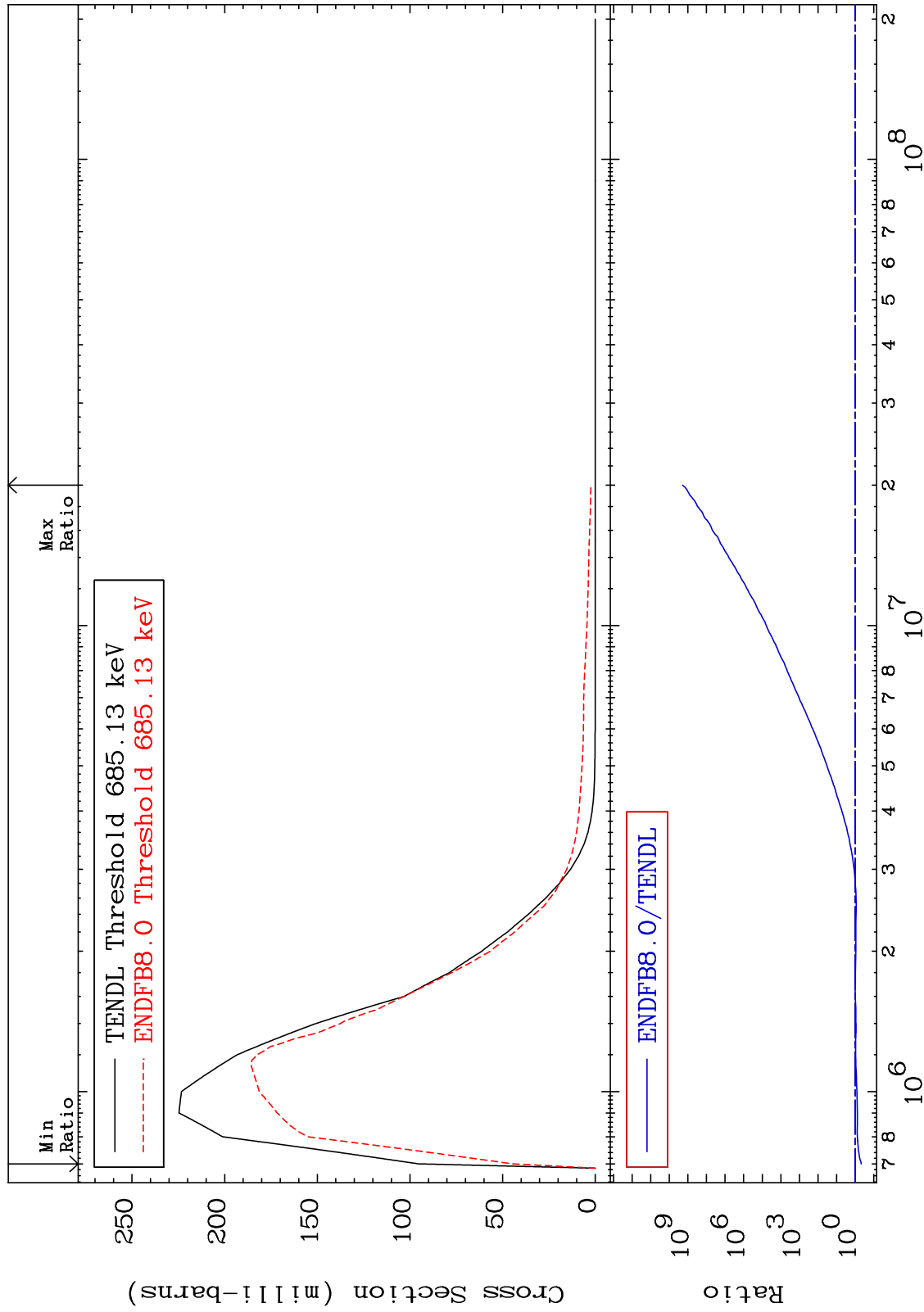
MAT 6431 MT= 52 (n,n') Level Cross Section 64-Gd-154 -52.22 To -1.033%



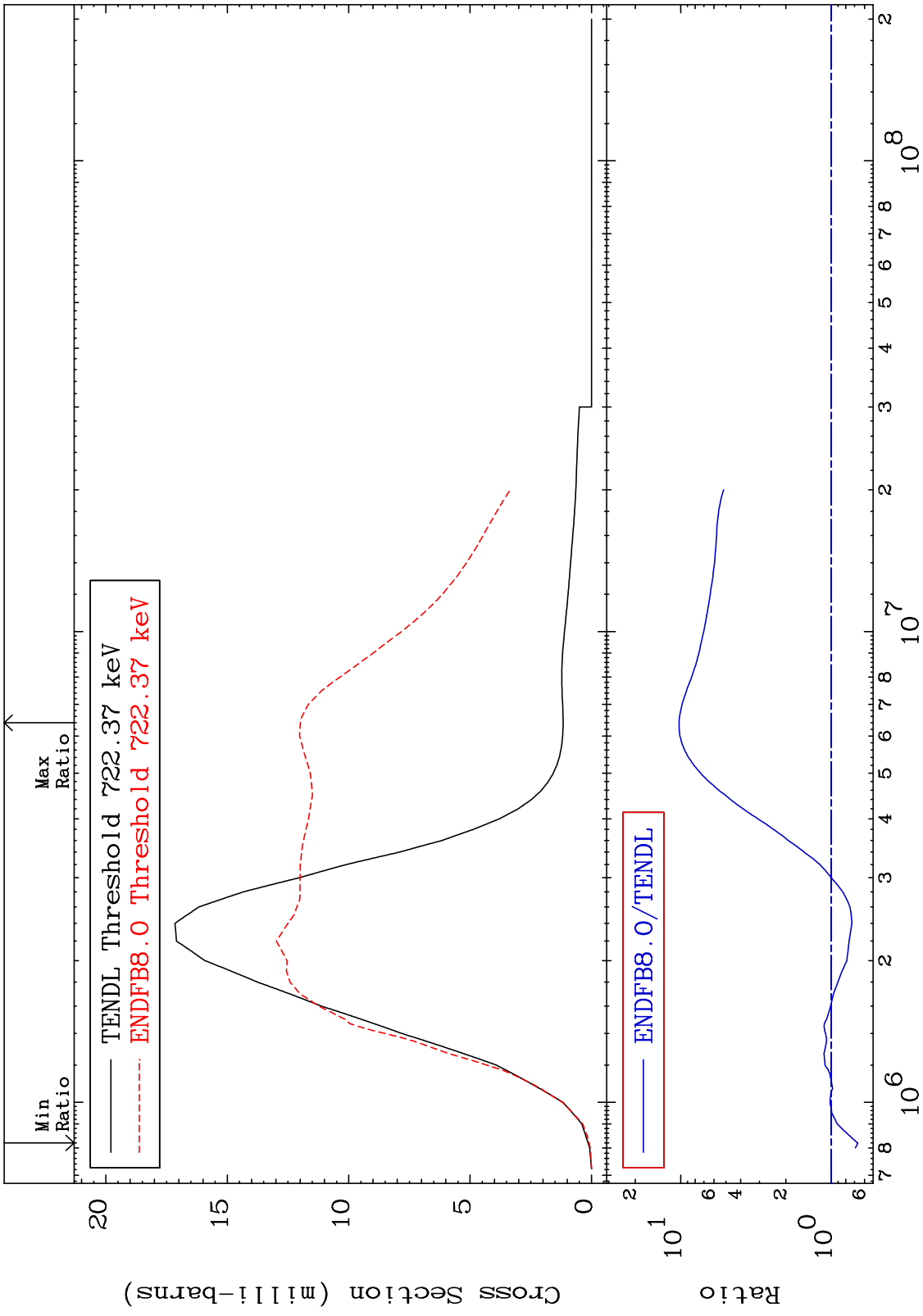
MAT 6431

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

64-Gd-154
-53.17 To 9999. %



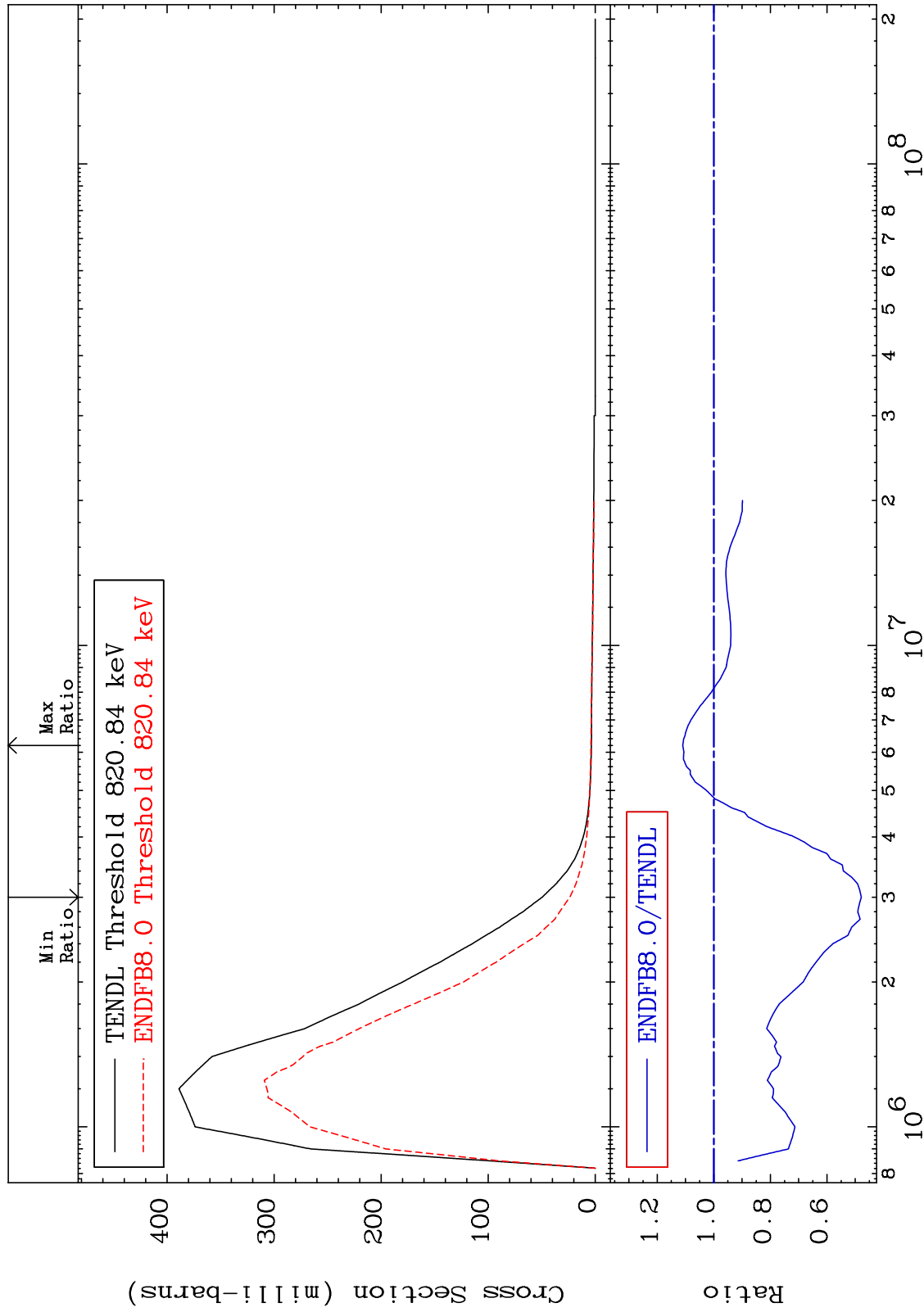
MAT 6431 MT= 54 (n,n') Level Cross Section 64-Gd-154
 -33.50 To 924.6 %



MAT 6431

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

64-Gd-154
-52.15 To 10.99 %



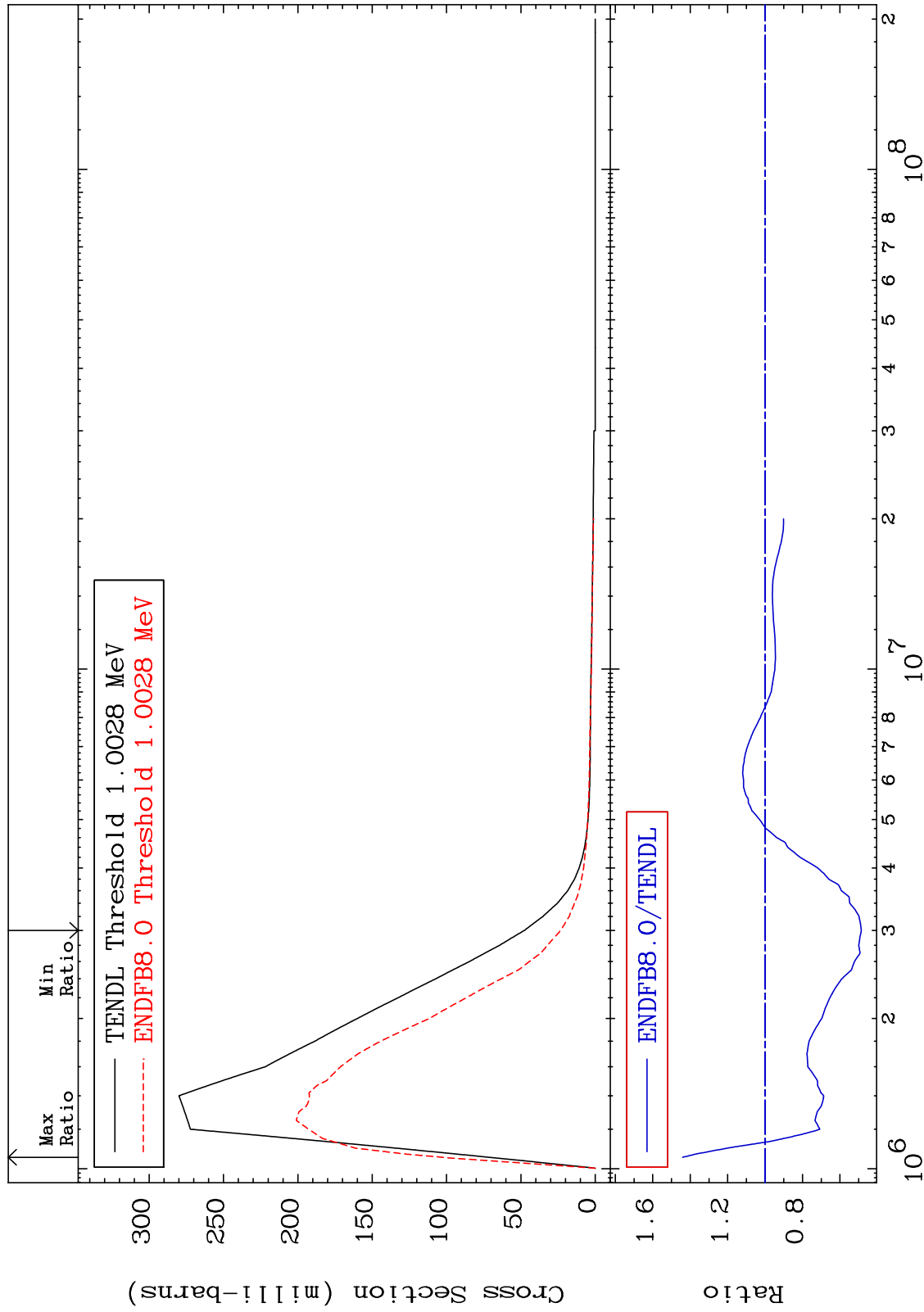
14

64-Gd-154

MAT 6431

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

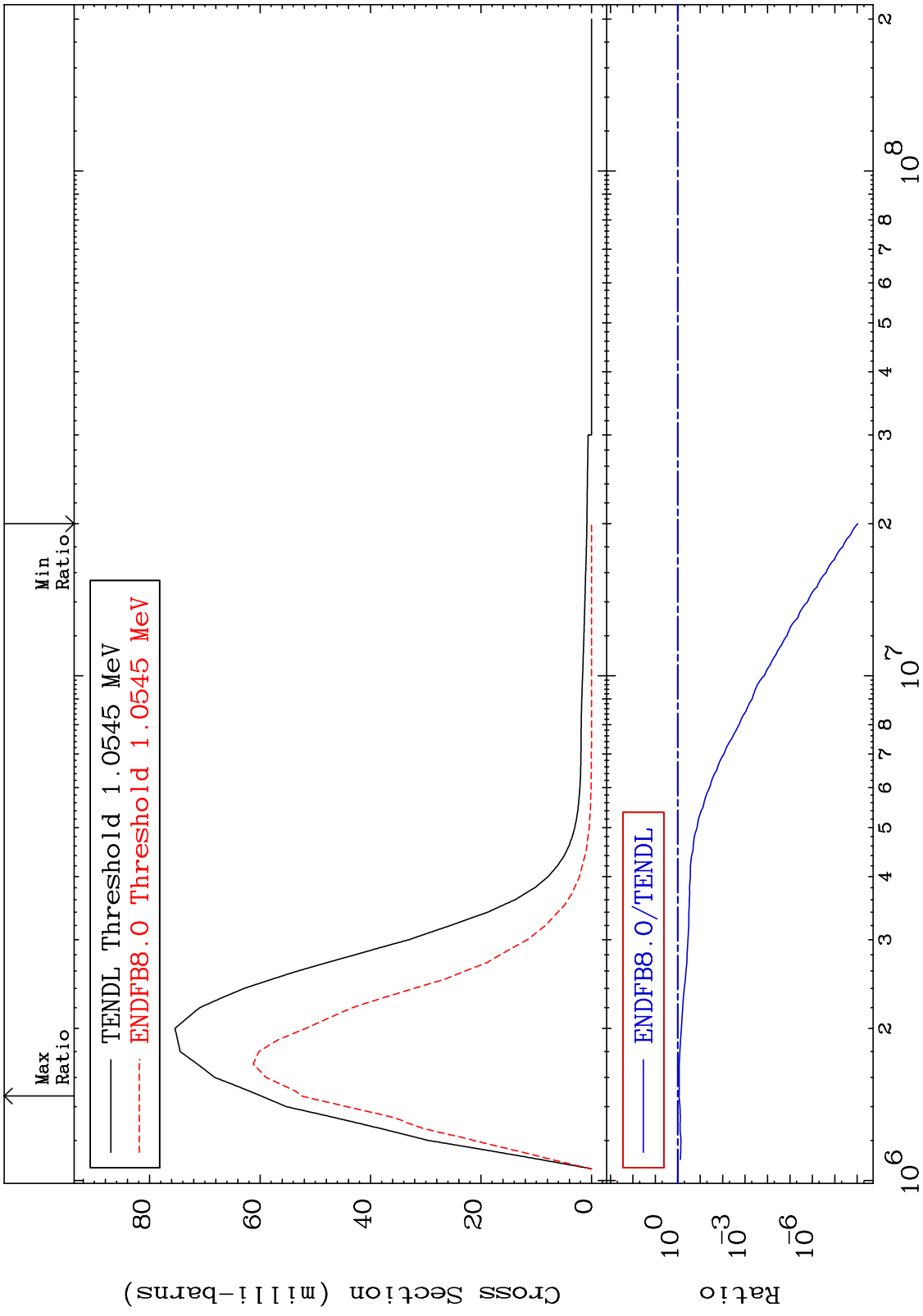
64-Gd-154
-51.41 To 44.03 %



Incident Energy (eV)

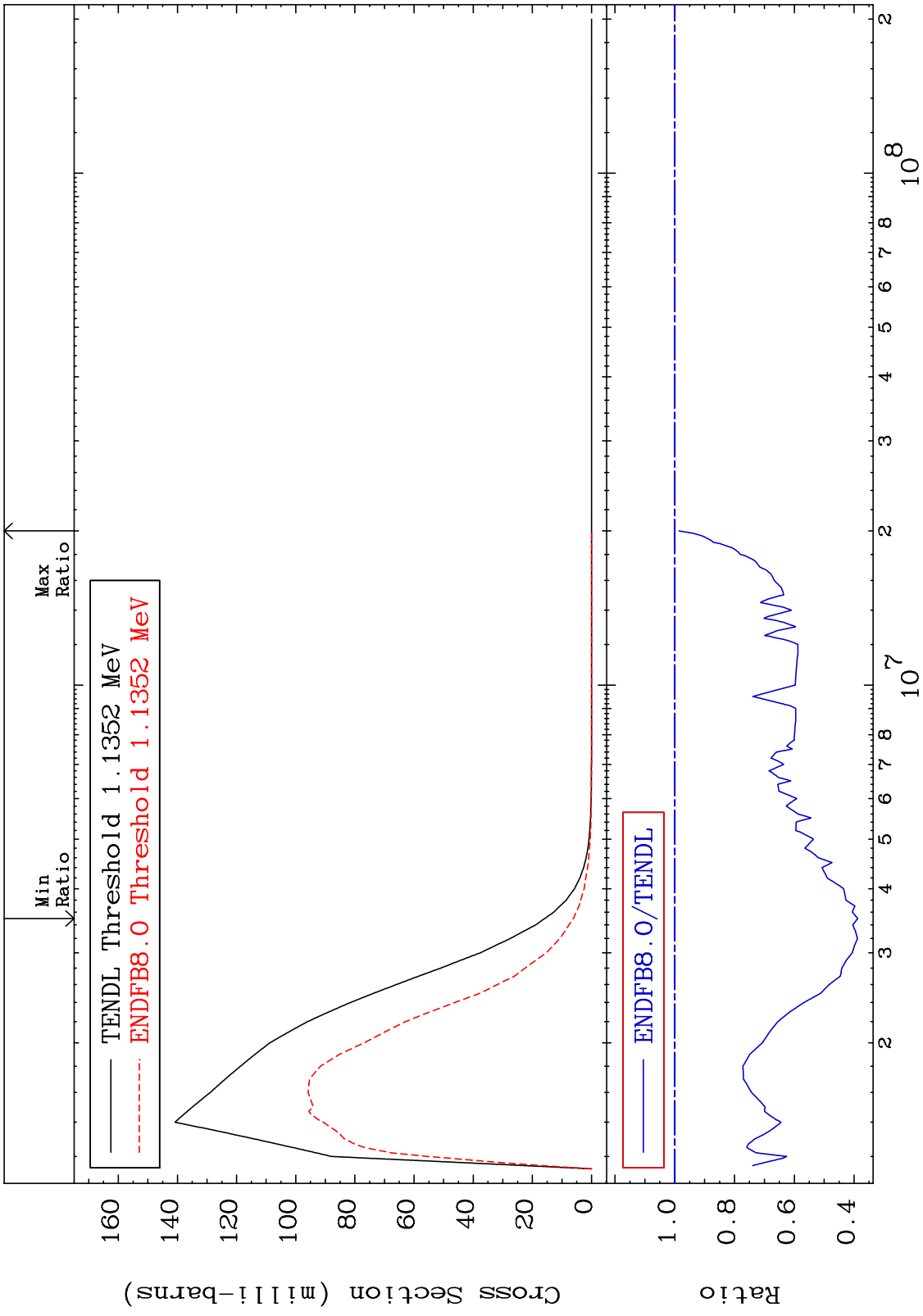
64-Gd-154

MAT 6431 MT= 57 (n, n') Level Cross Section 64-Gd-154 -100.0 To -12.24%

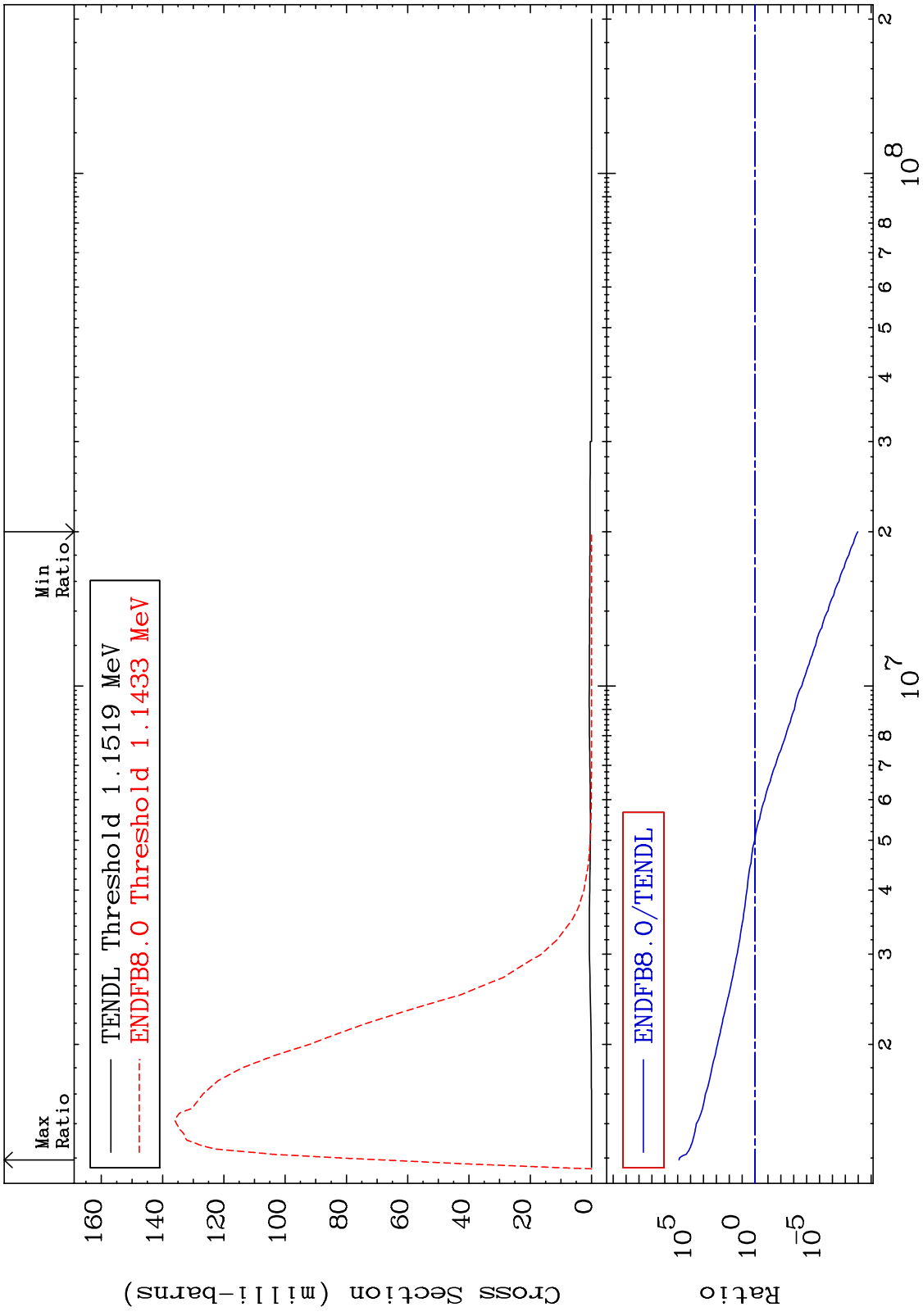


16 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 58 (n,n') Level Cross Section 64-Gd-154 -61.25 To -1.439%



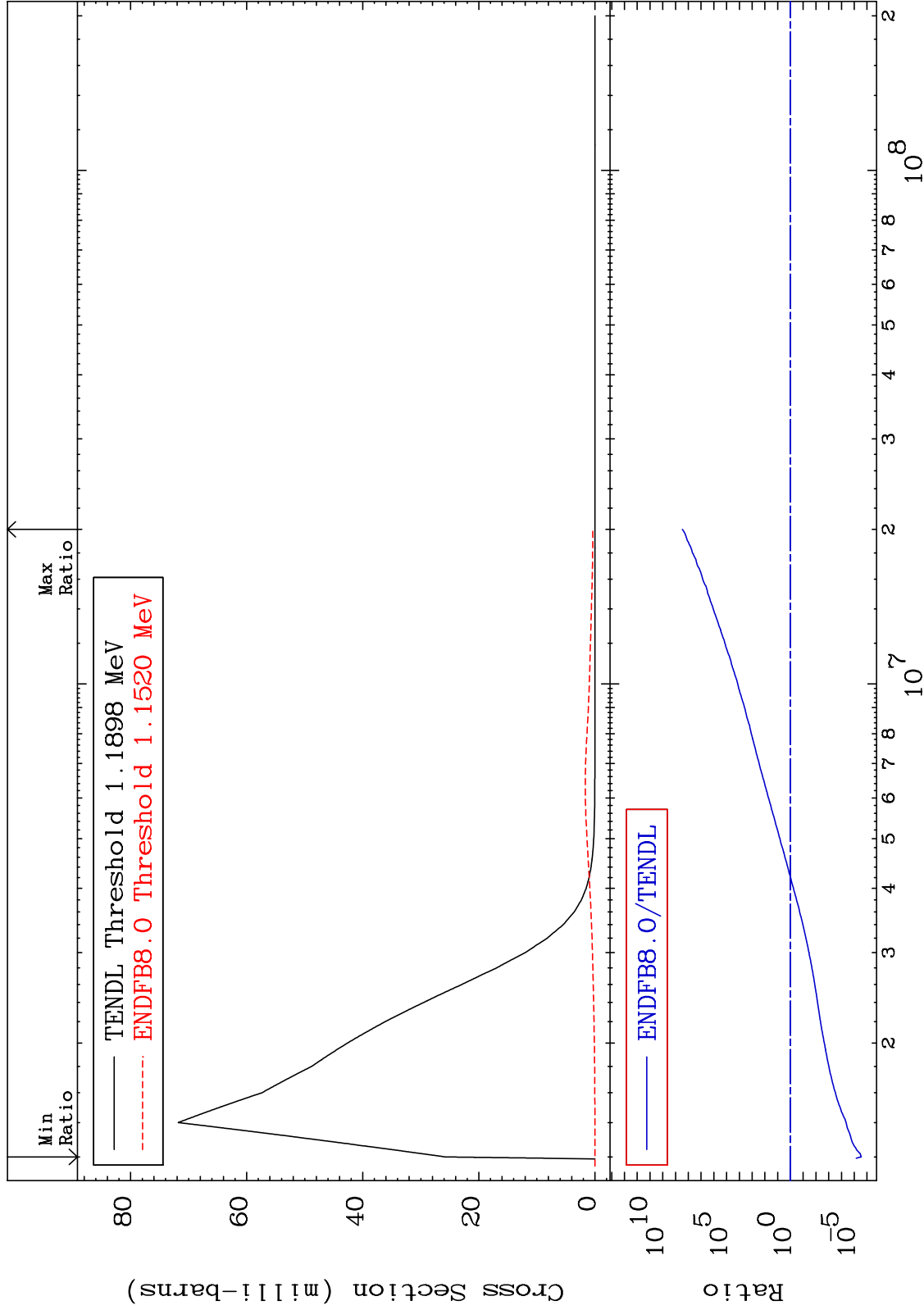
MAT 6431 MT= 59 (n,n') Level Cross Section 64-Gd-154 -100.0 To 9999. %



MAT 6431

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

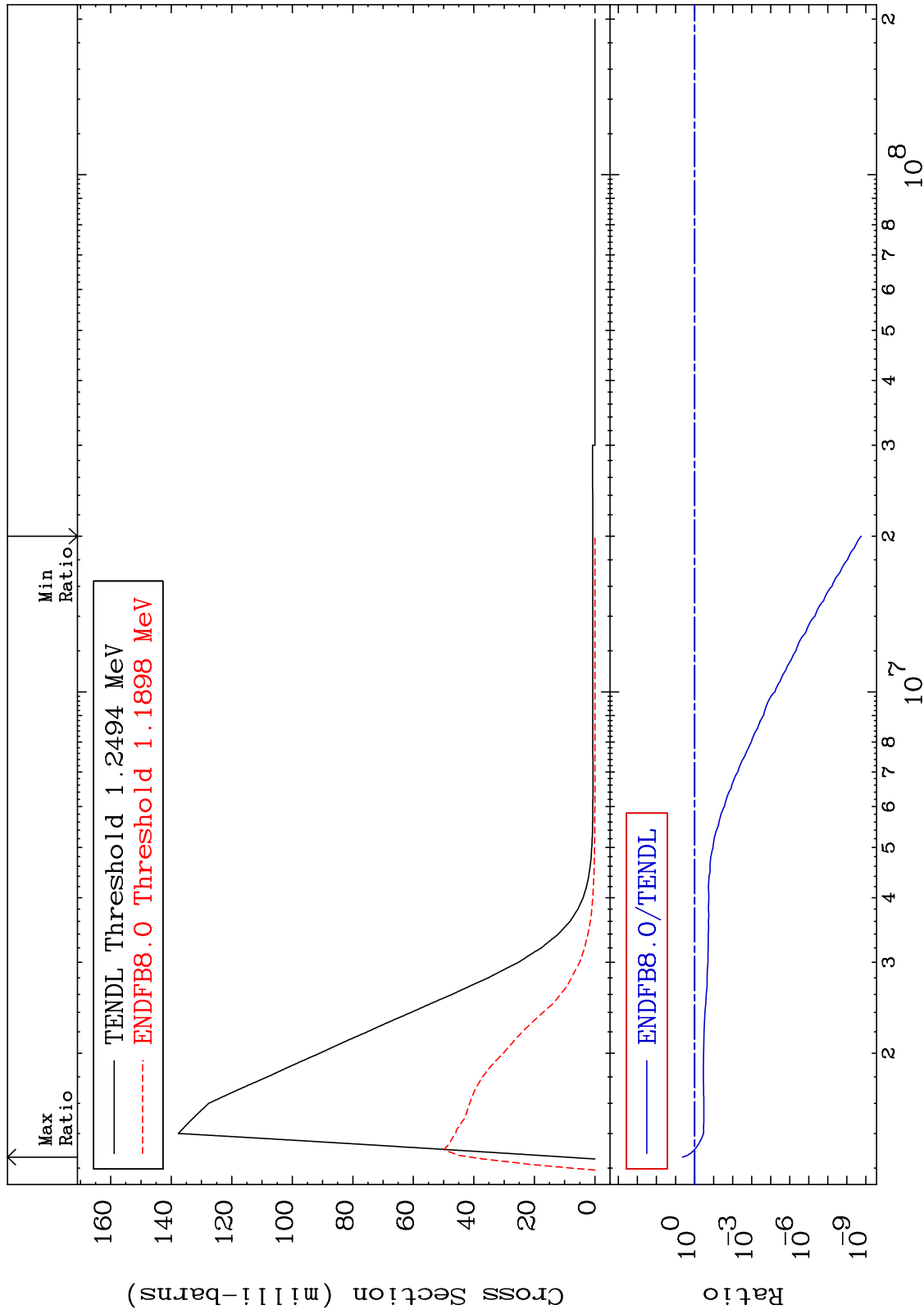
64-Gd-154
-100.0 To 9999. %



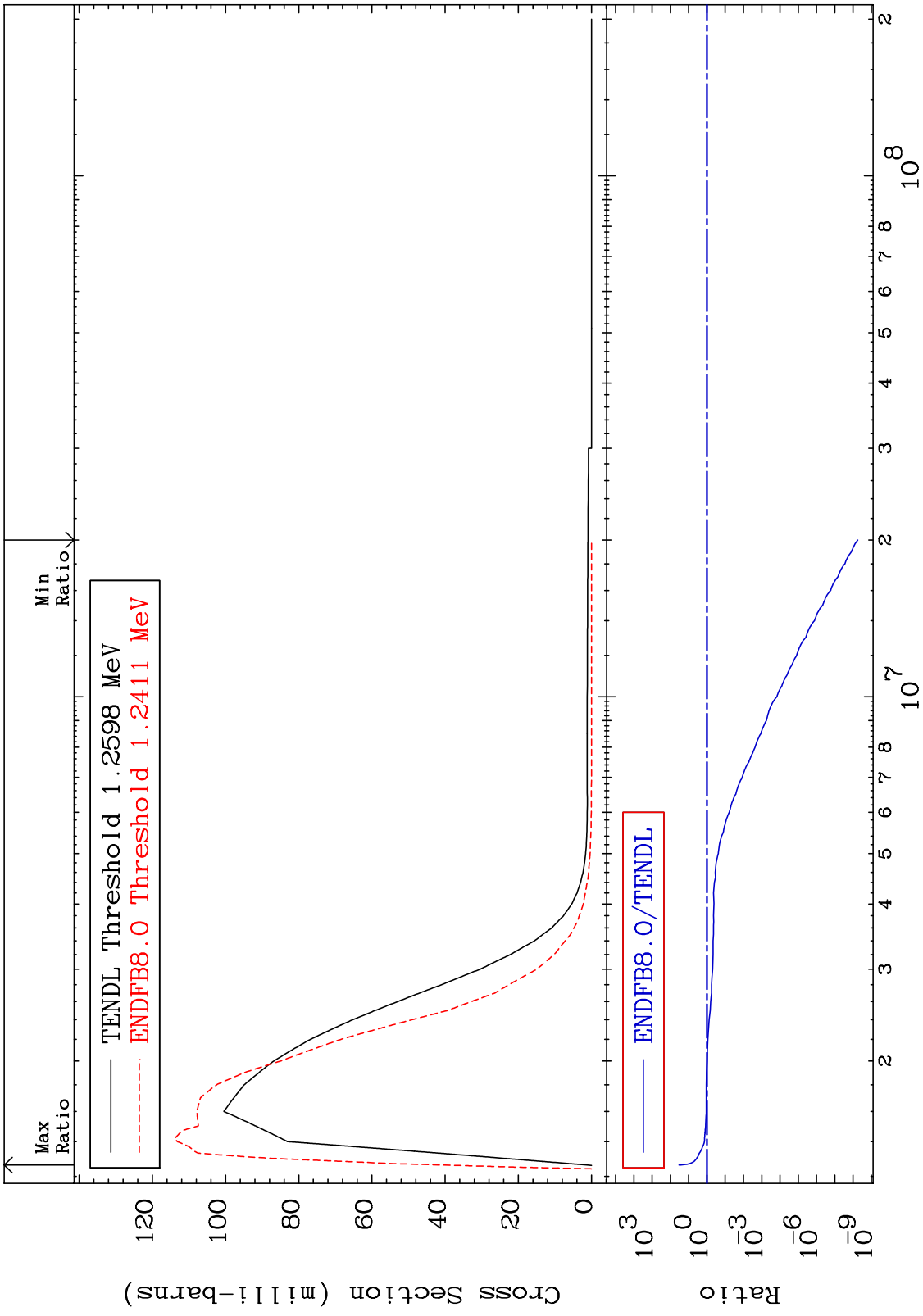
MAT 6431

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

64-Gd-154
-100.0 To 331.4 %



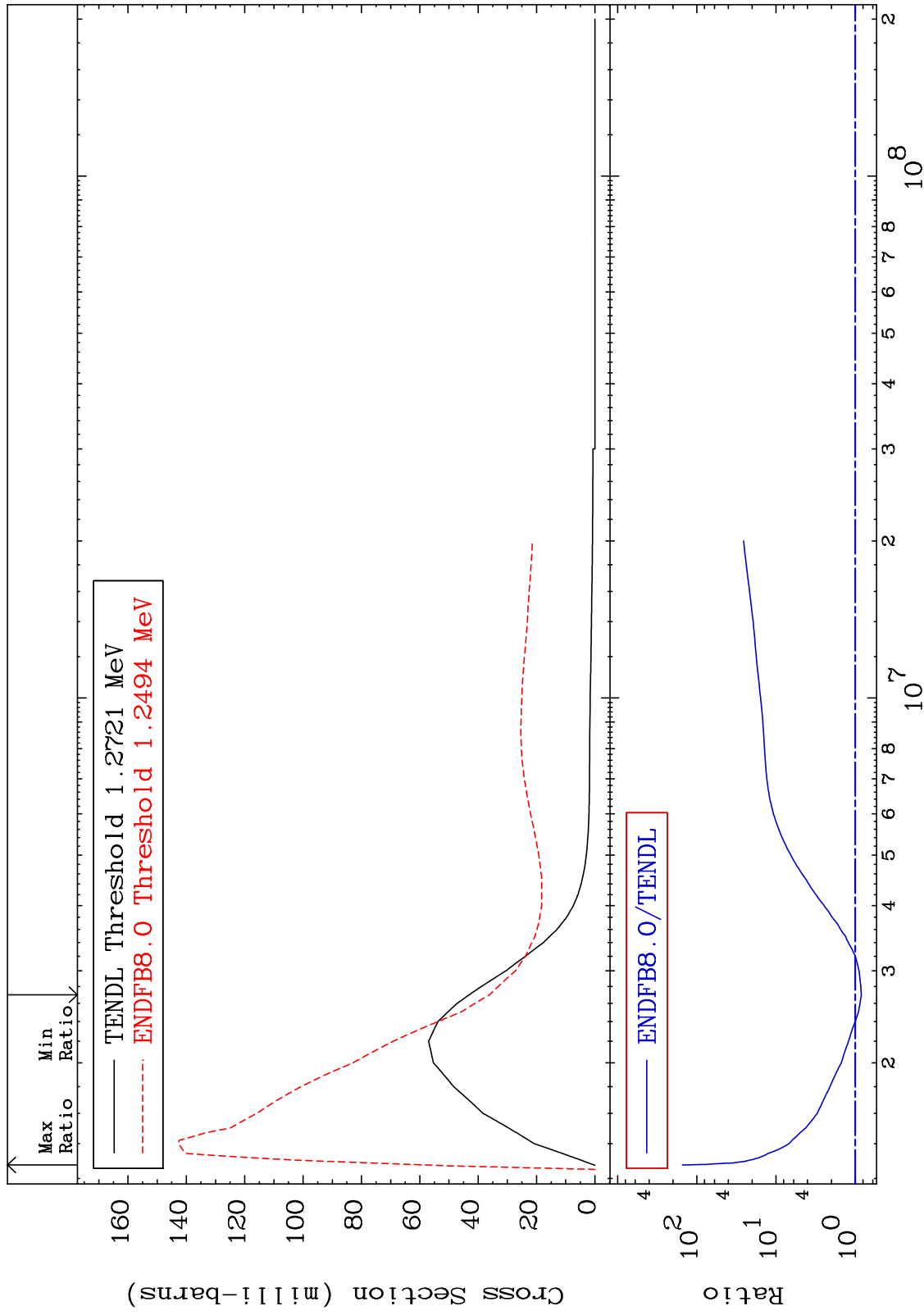
MAT 6431 MT= 62 (n,n') Level Cross Section 64-Gd-154 -100.0 To 3258. %



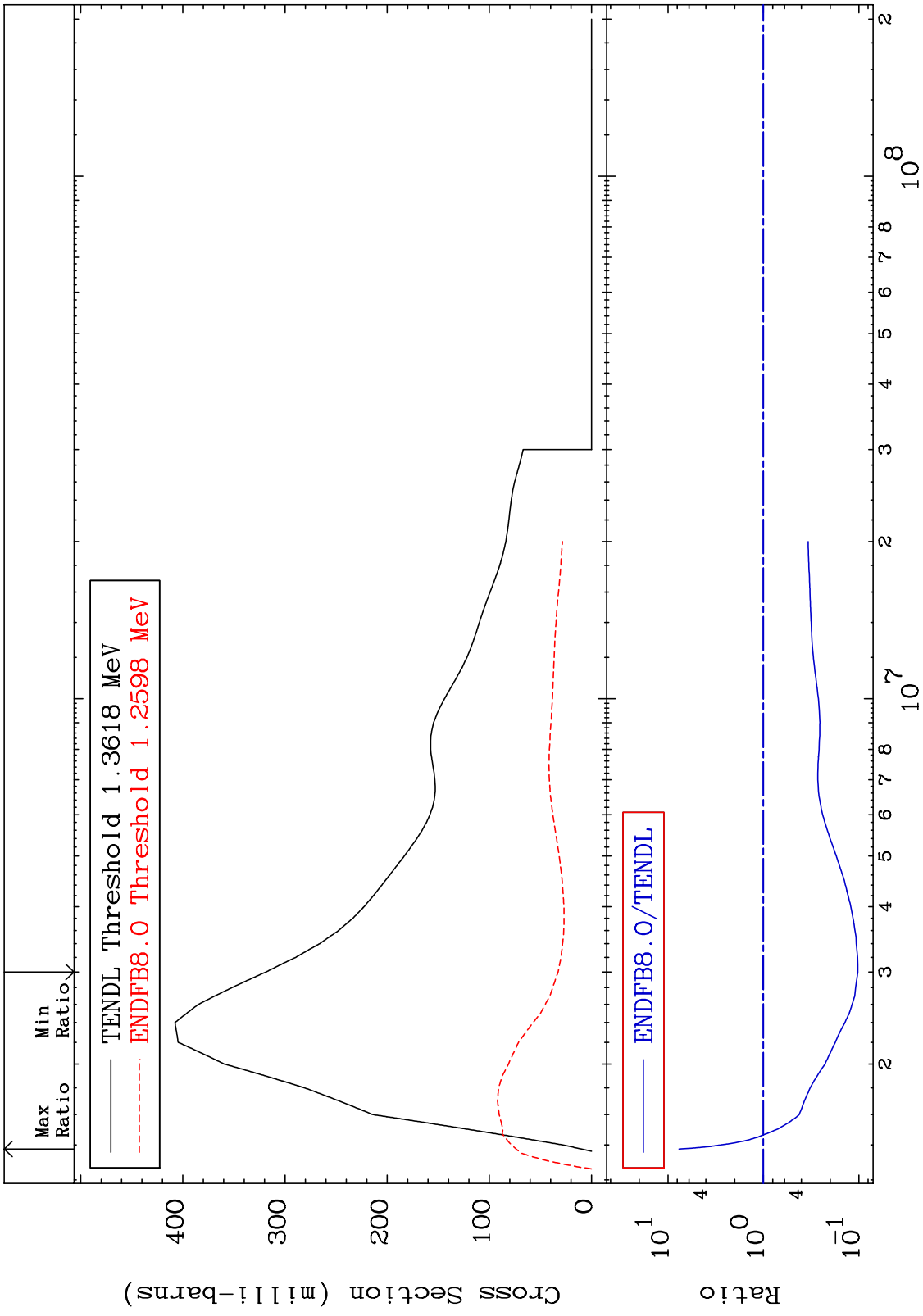
MAT 6431

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

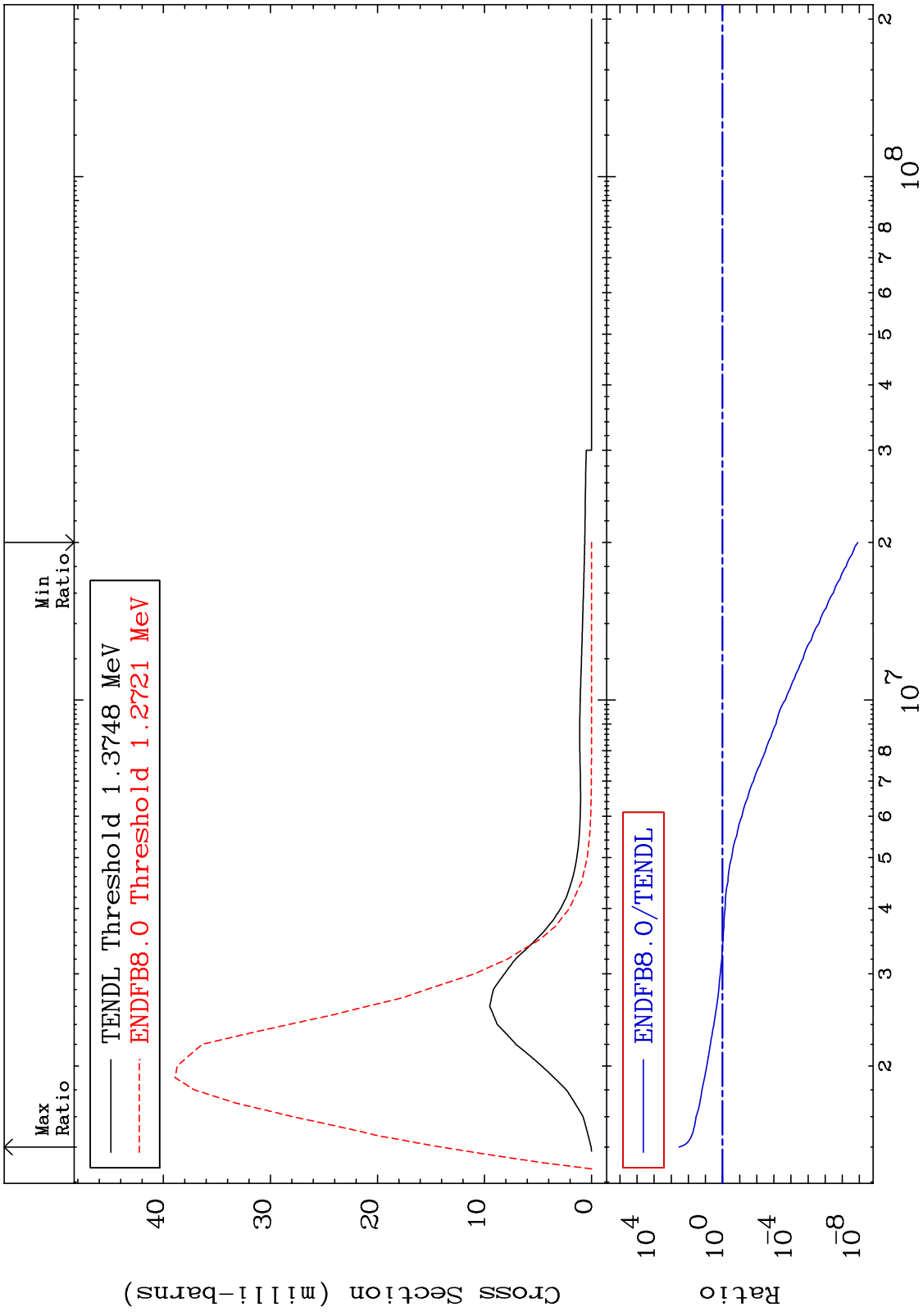
64-Gd-154
-16.14 To 9999. %



MAT 6431 MT= 64 (n,n') Level Cross Section 64-Gd-154
 -89.74 To 665.4 %



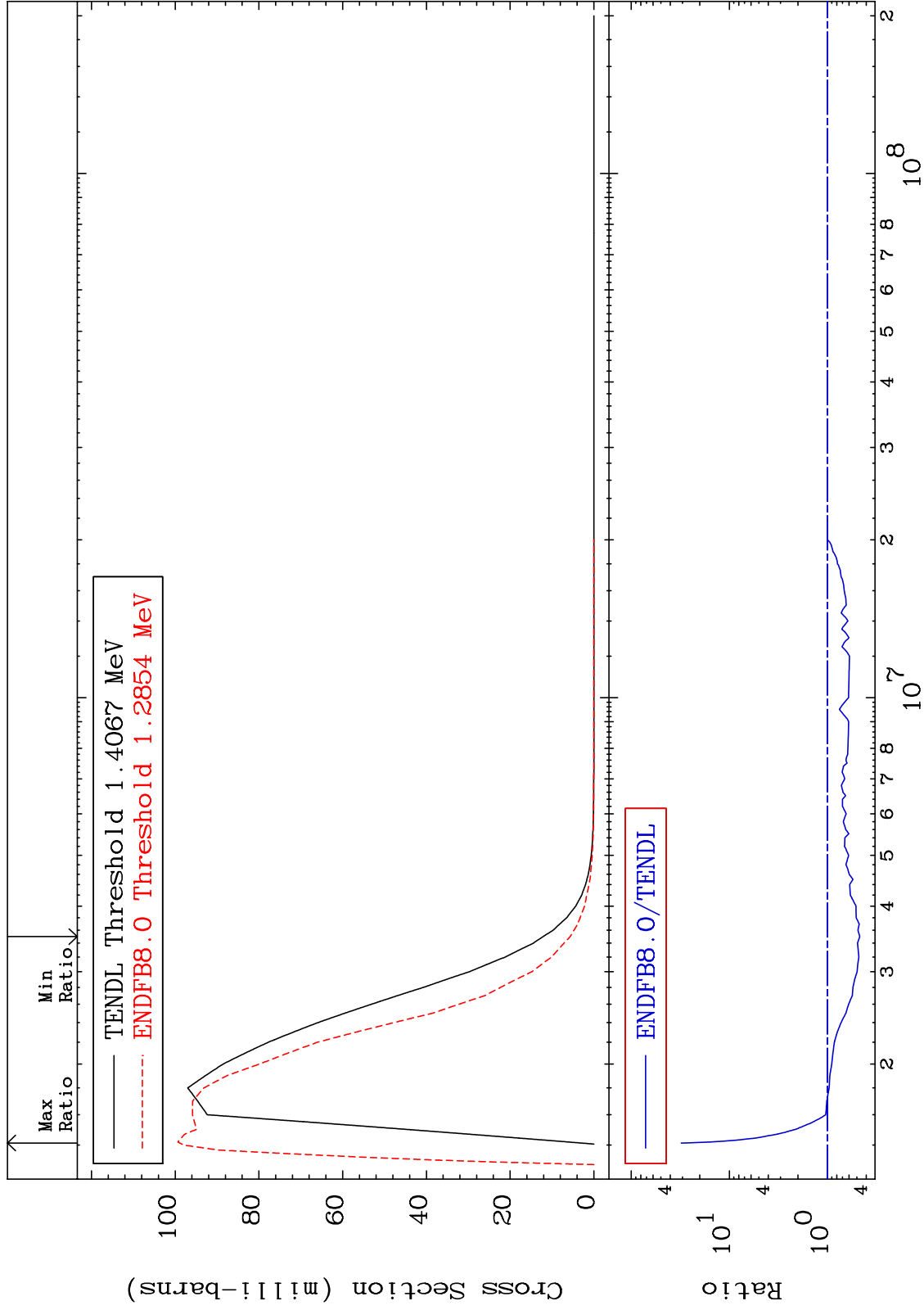
MAT 6431 MT= 65 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 9999. %



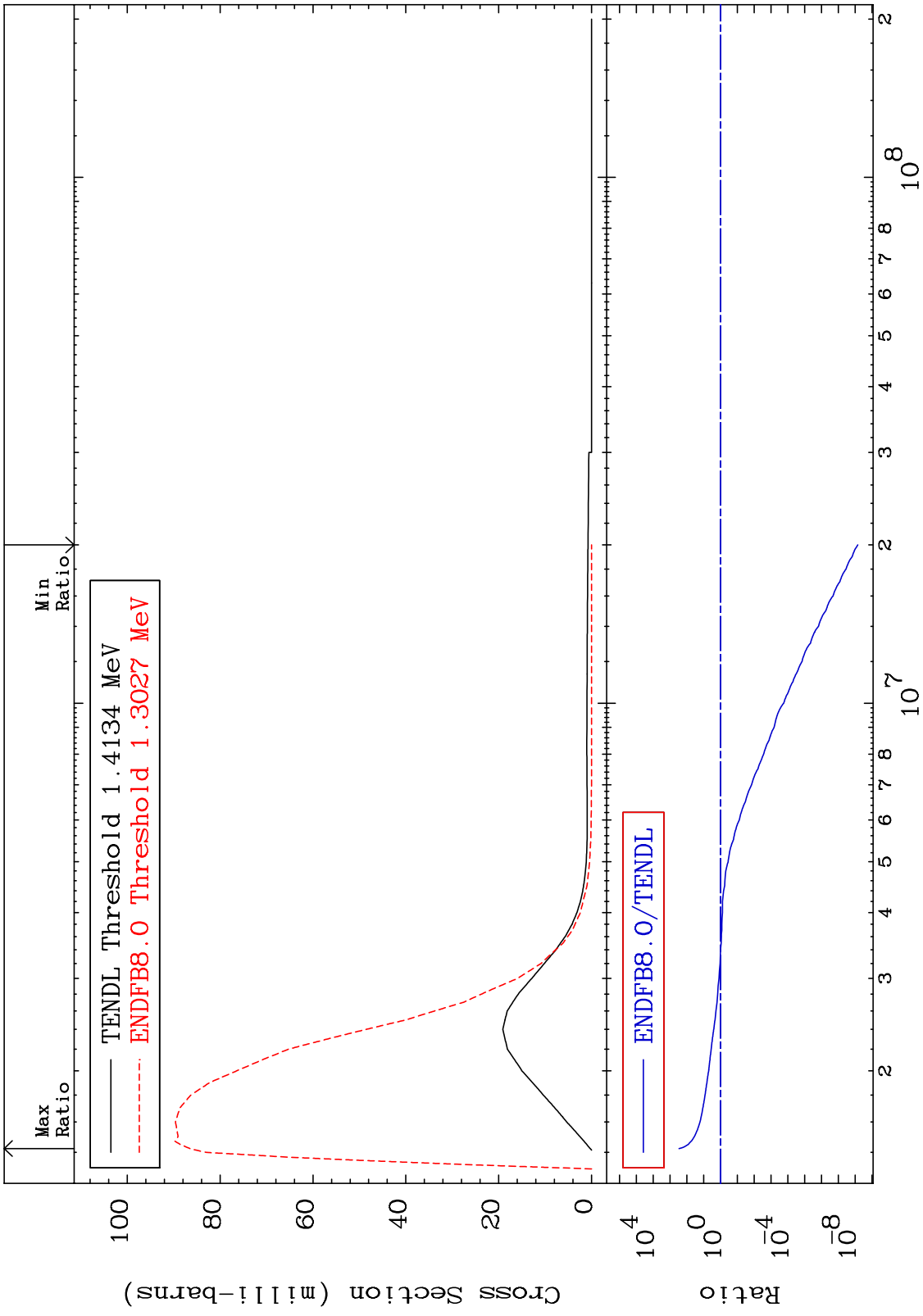
MAT 6431

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

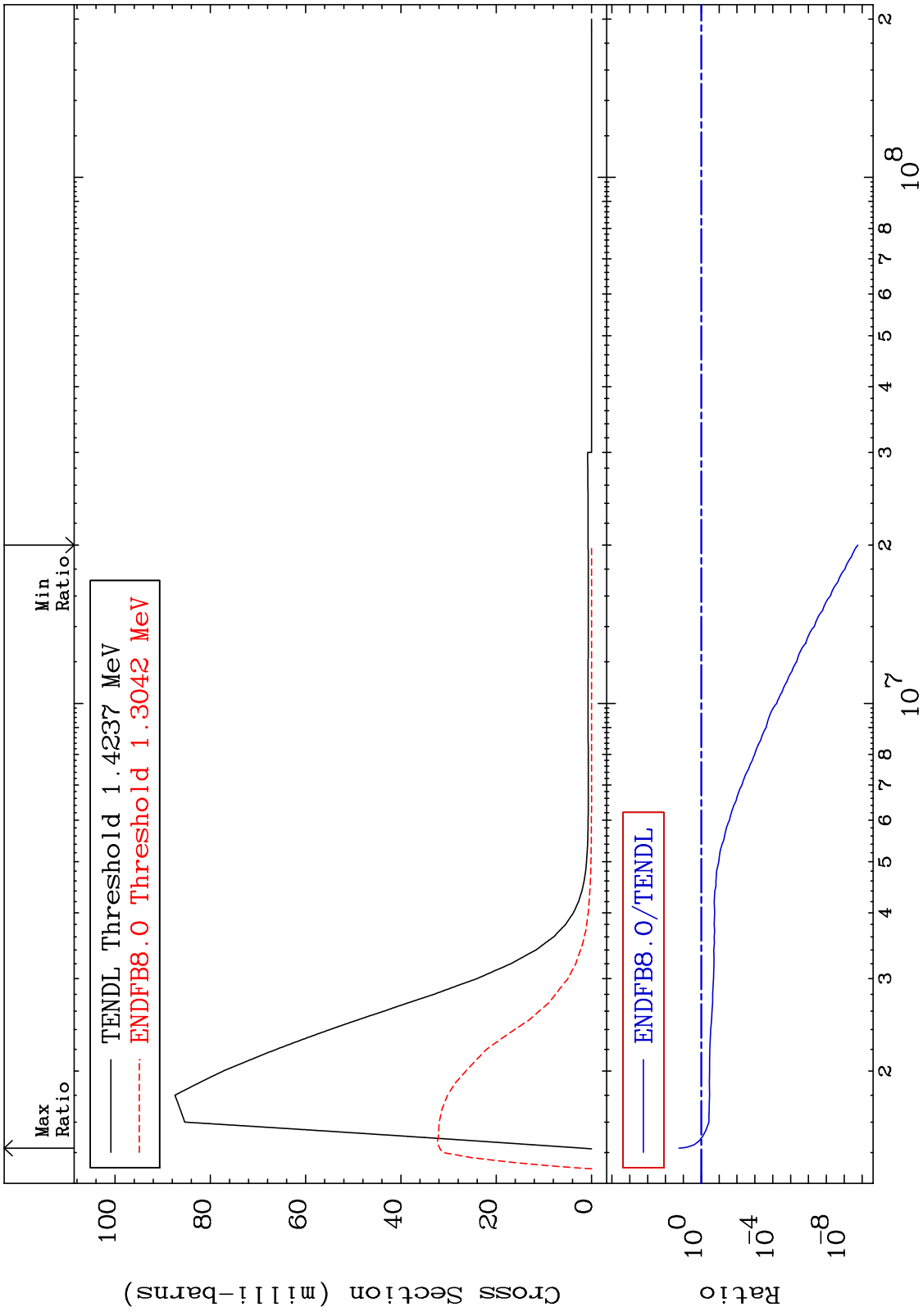
64-Gd-154
-53.29 To 2994. %



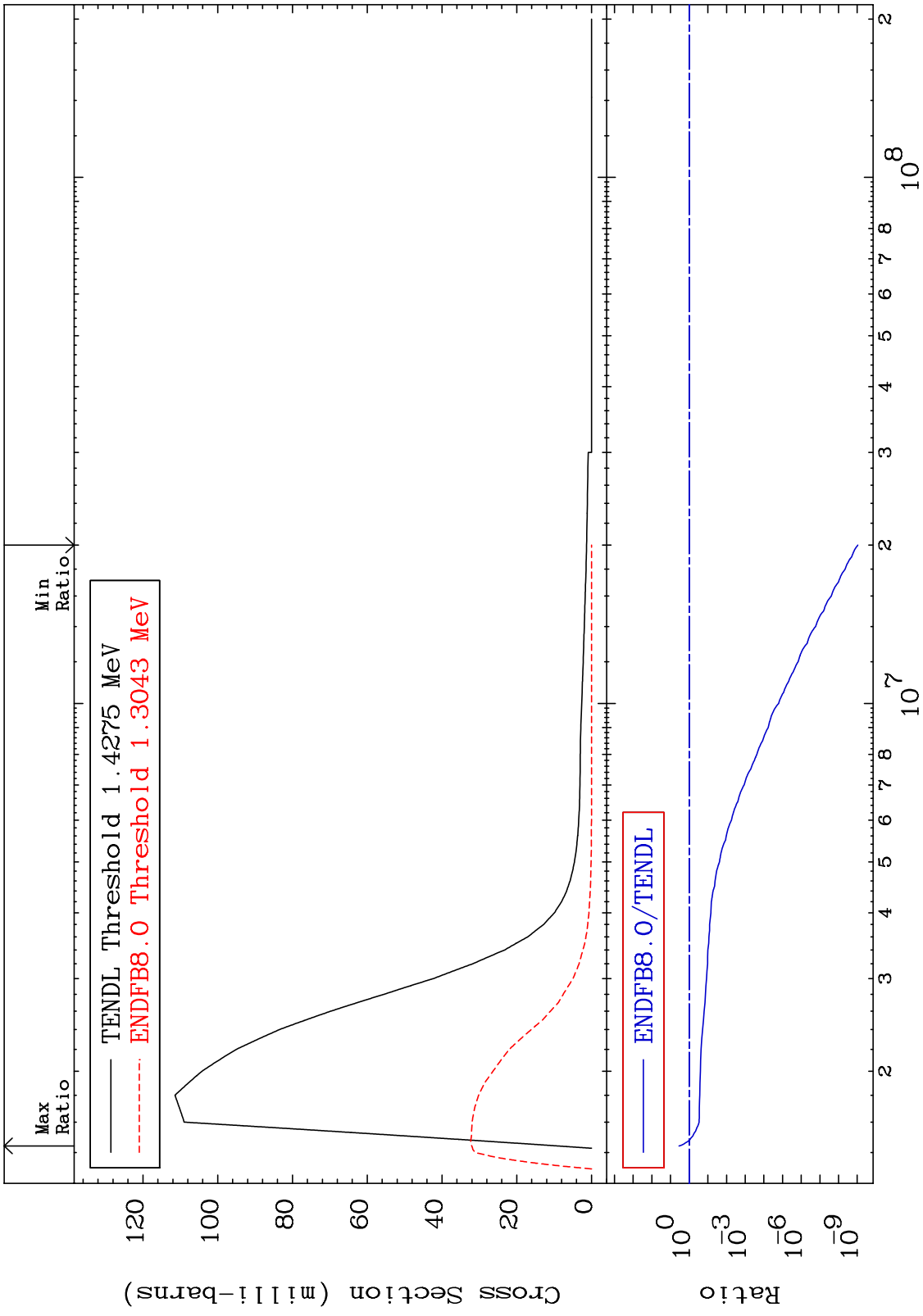
MAT 6431 MT= 67 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 9999. %



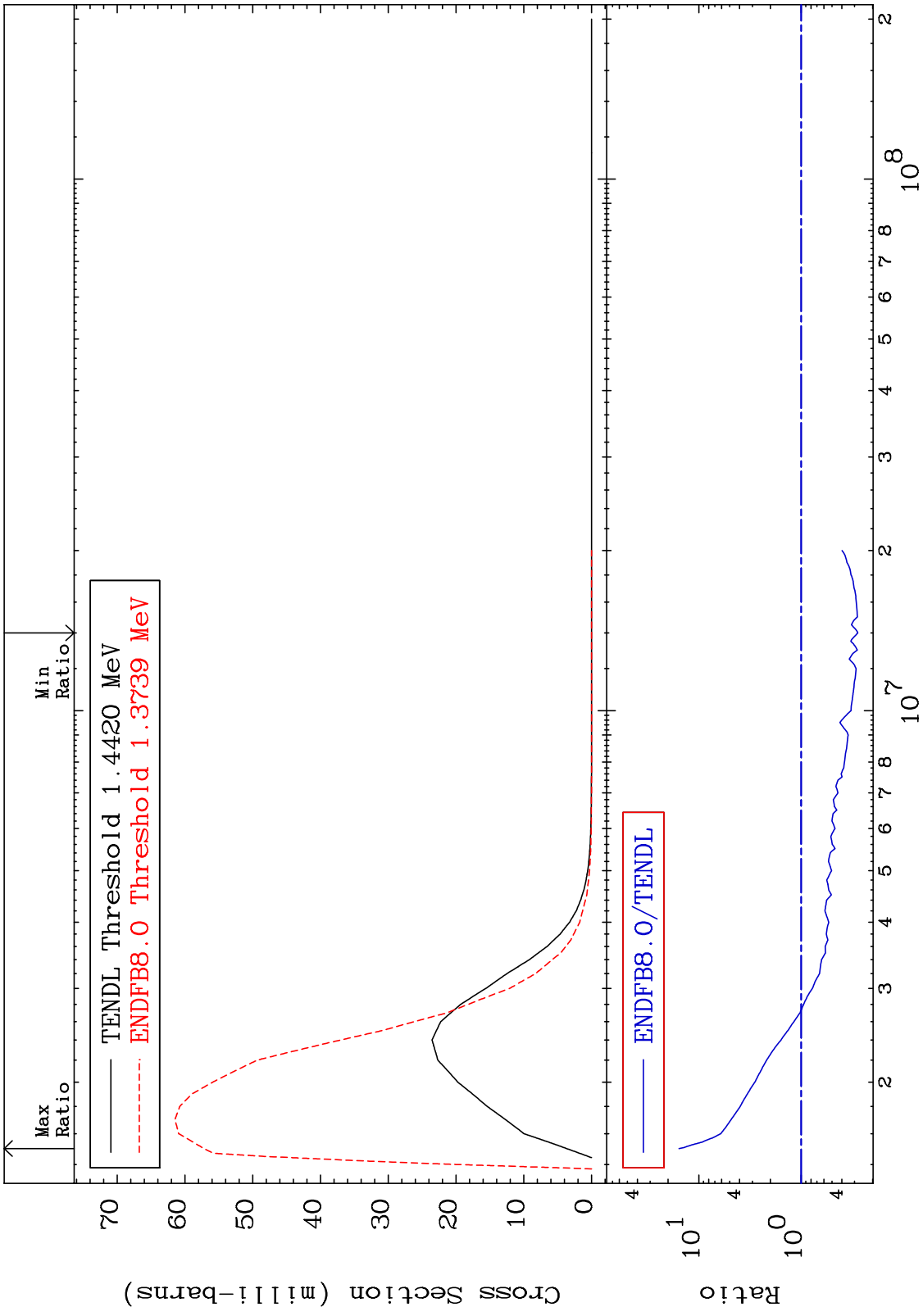
MAT 6431 MT= 68 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 1649. %



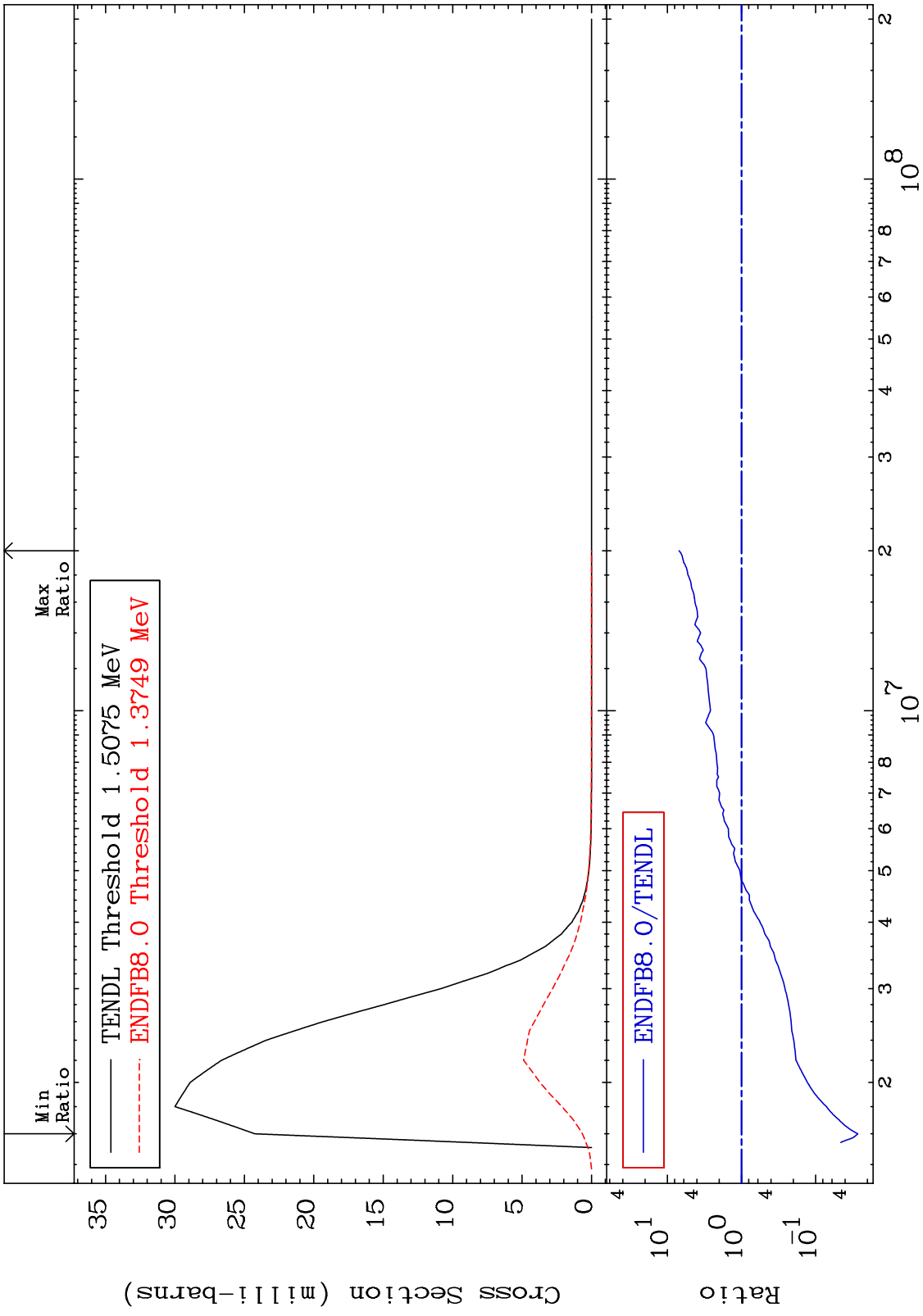
MAT 6431 MT= 69 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 249.1 %



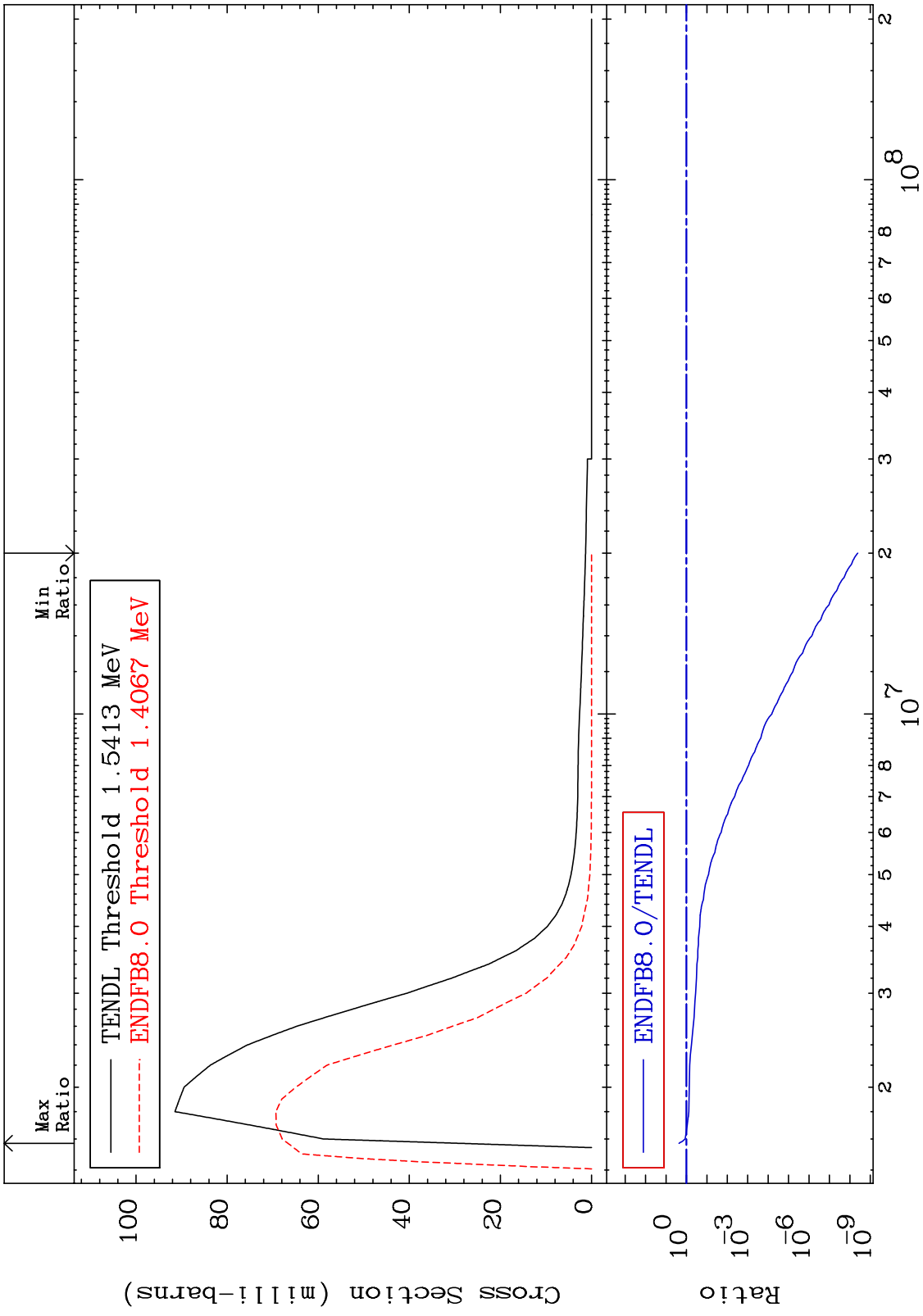
MAT 6431 MT= 70 (n,n') Level Cross Section 64-Gd-154
 -72.12 To 1463. %



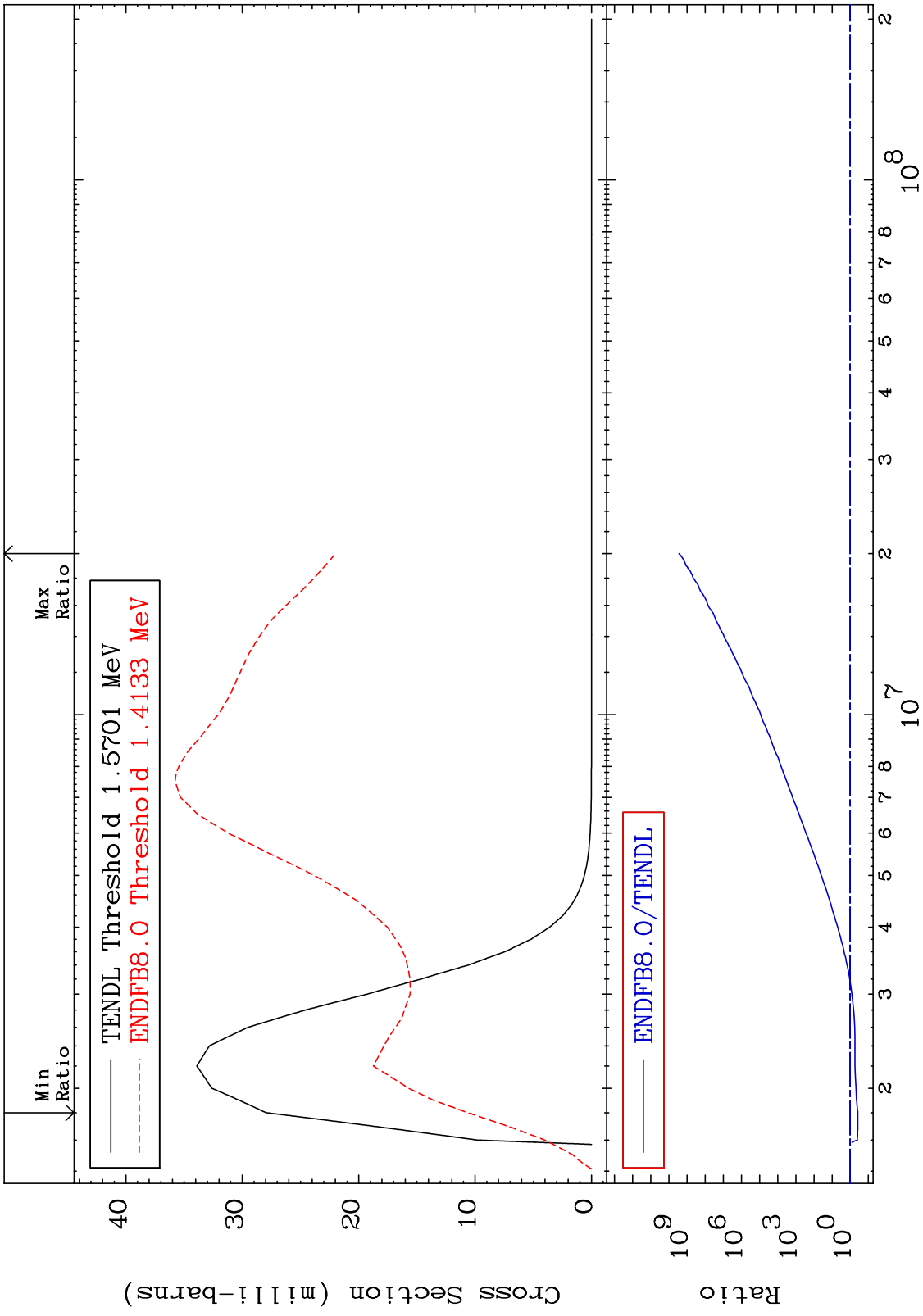
MAT 6431 MT= 71 (n,n') Level Cross Section 64-Gd-154 -97.31 To 596.1 %



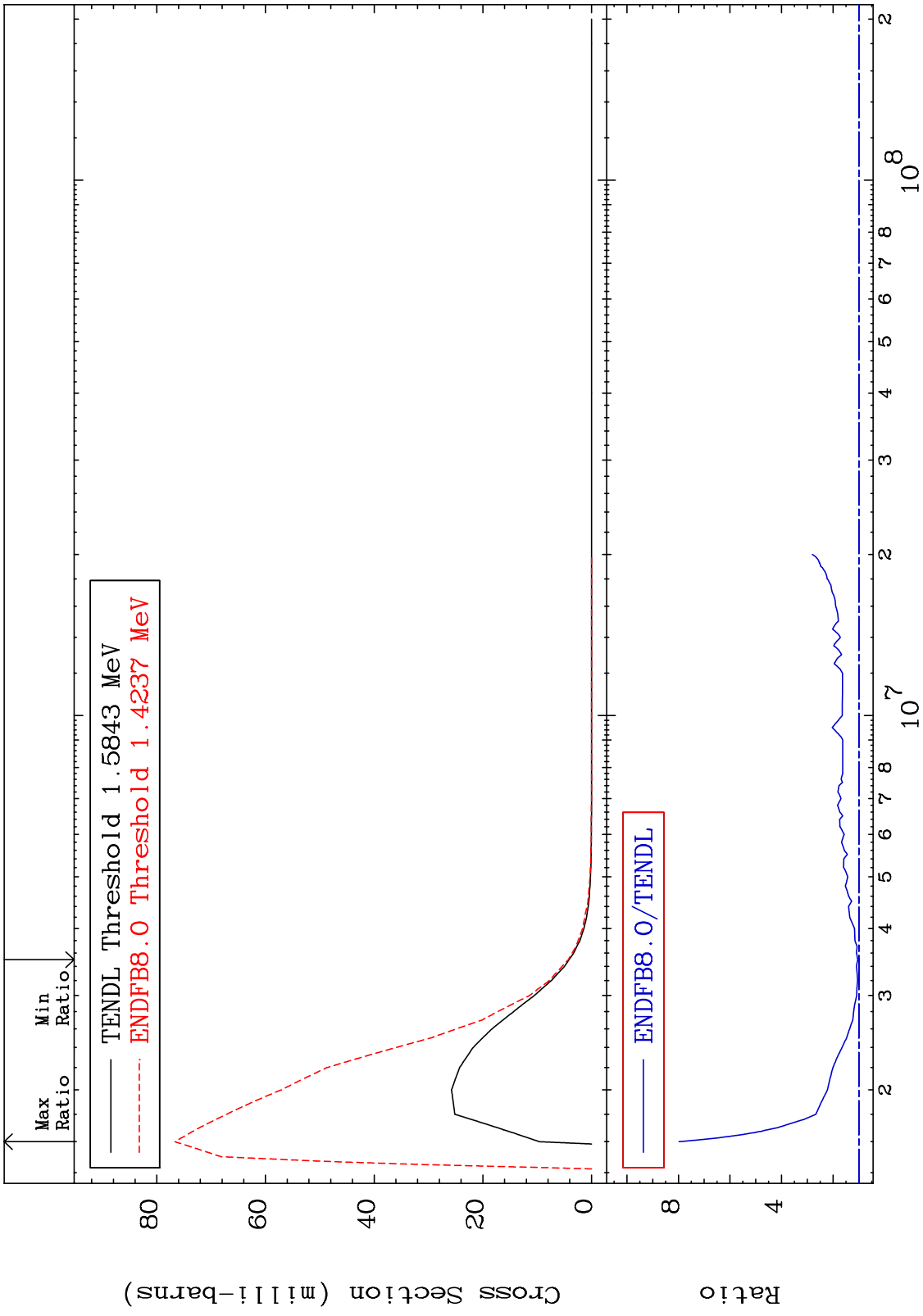
MAT 6431 MT= 72 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 130.6 %



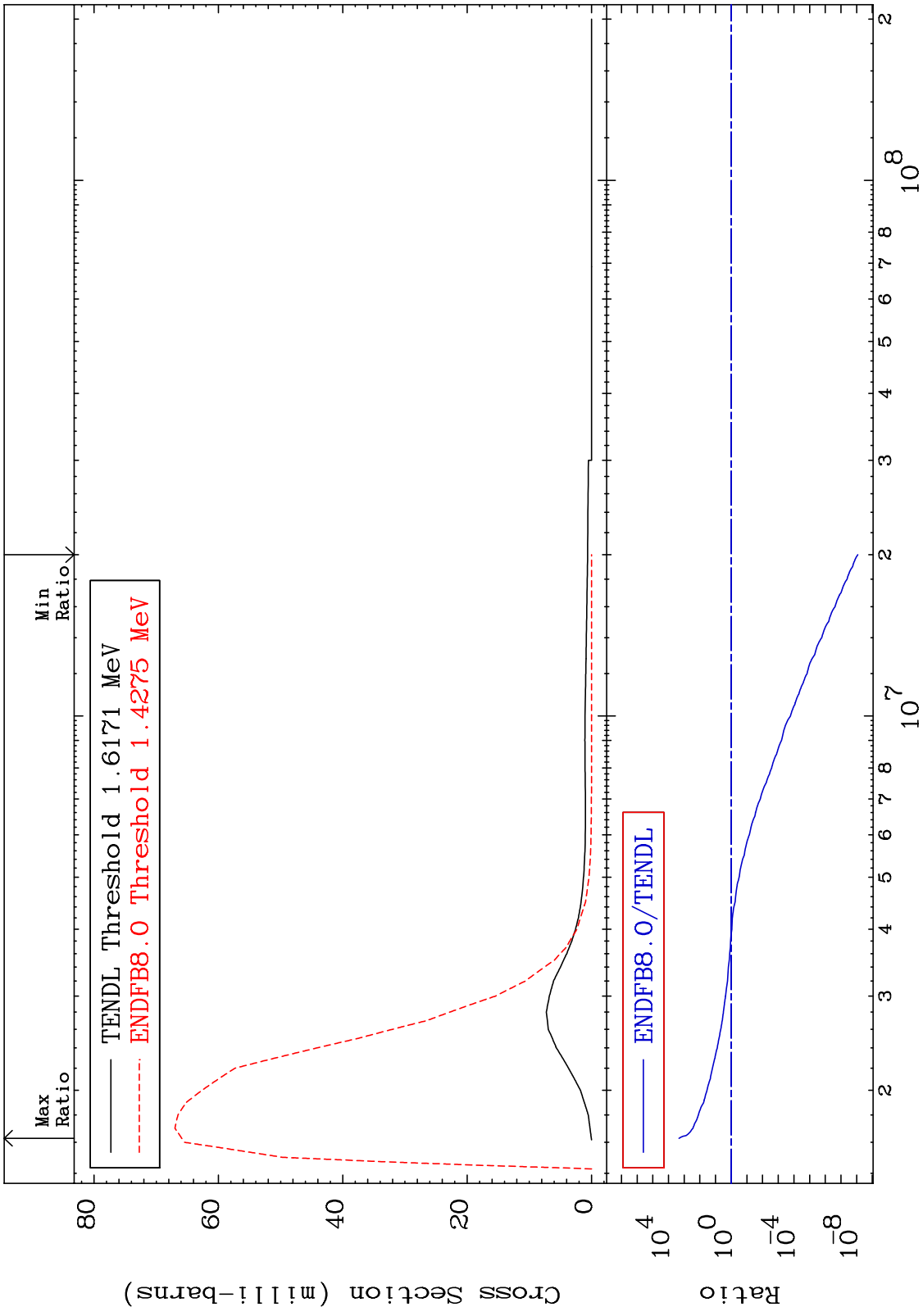
MAT 6431 MT= 73 (n,n') Level Cross Section 64-Gd-154
 -61.90 To 9999. %



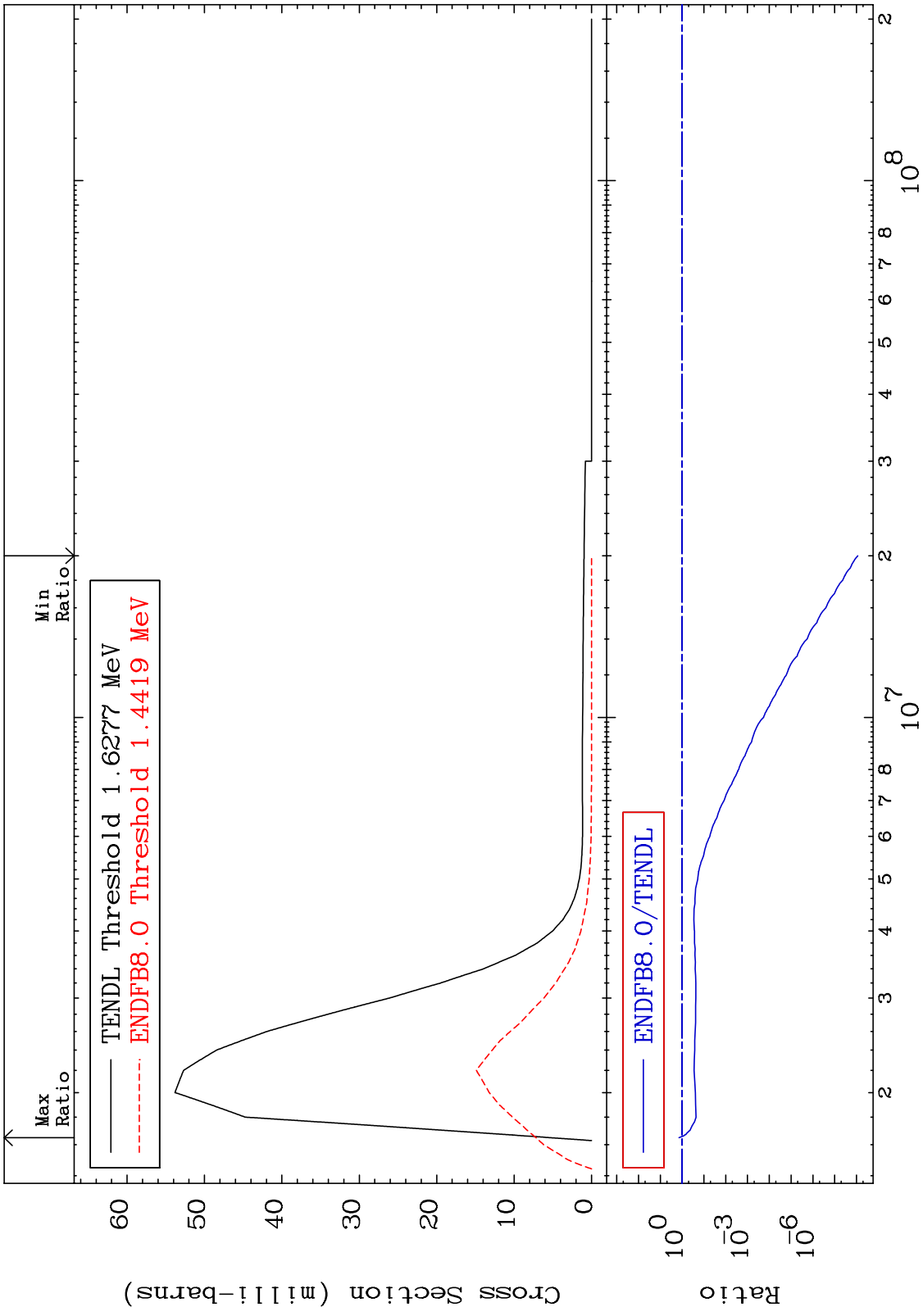
MAT 6431 MT= 74 (n,n') Level Cross Section 64-Gd-154 3.729 To 697.6 %



MAT 6431 MT= 75 (n,n') Level Cross Section 64-Gd-154
 -100.0 To 9999. %



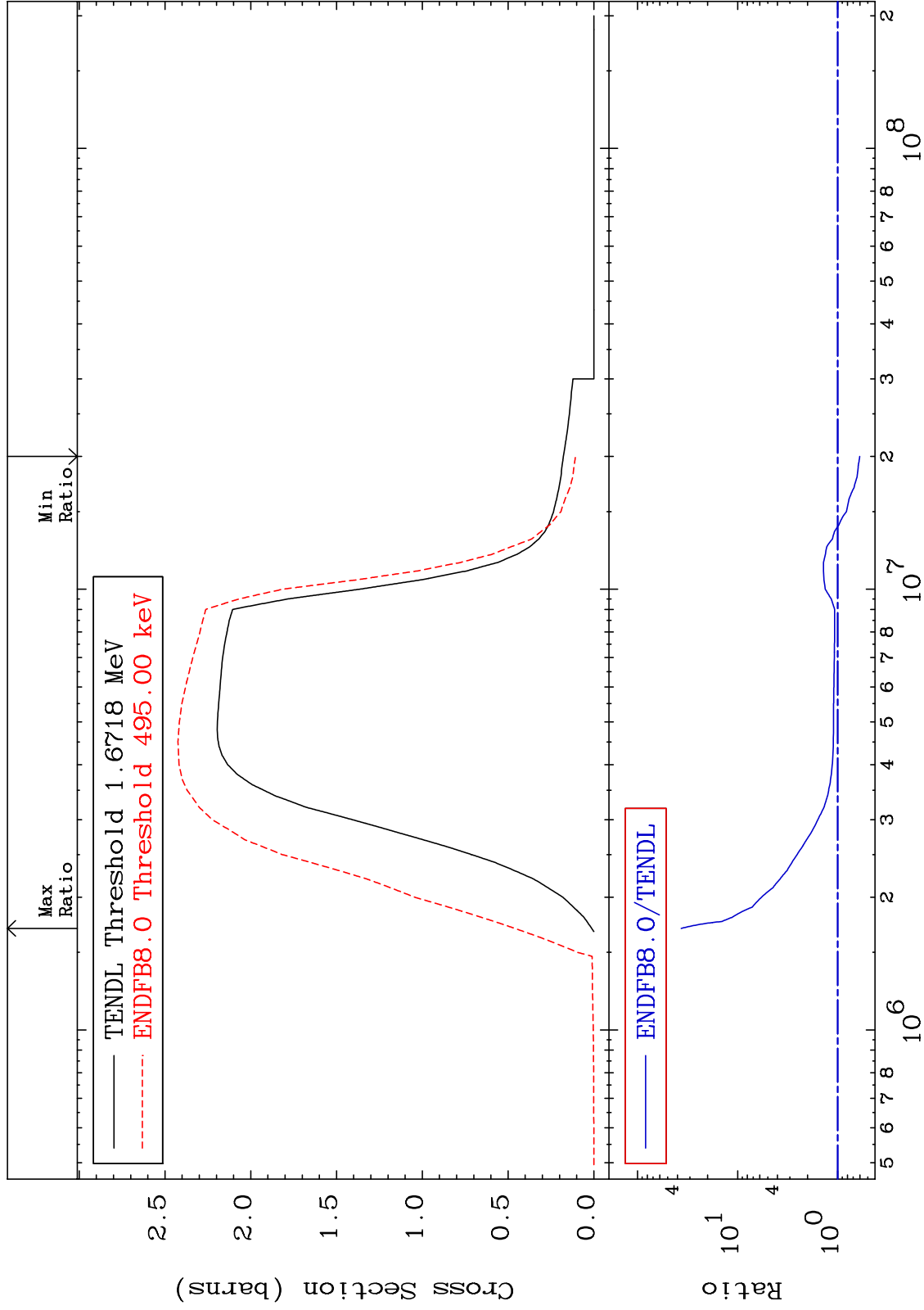
MAT 6431 MT= 76 (n,n') Level Cross Section 64-Gd-154 -100.0 To 37.95 %



MAT 6431

(n, n') Continuum
Cross Section

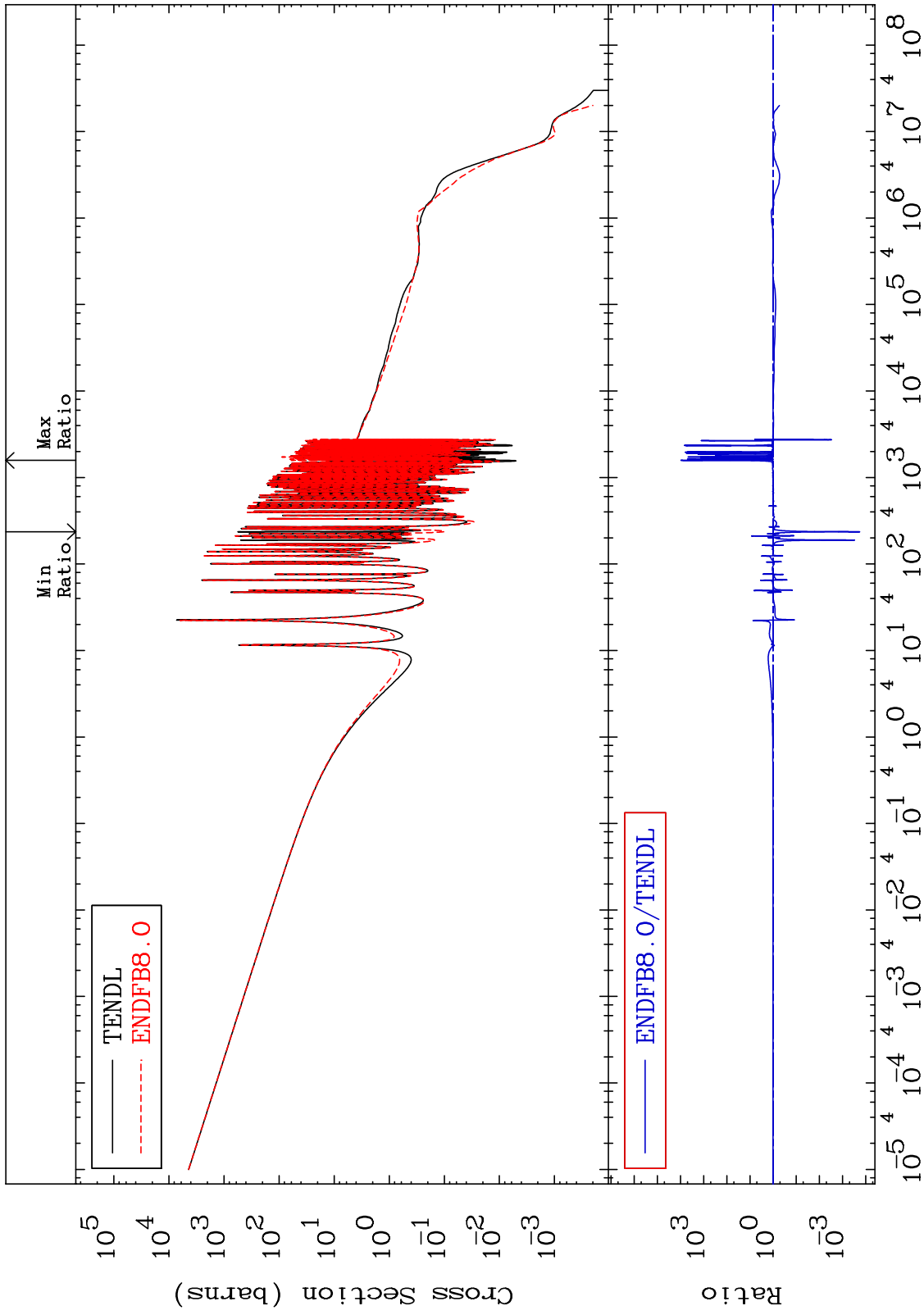
64-Gd-154
-39.81 To 3561. %

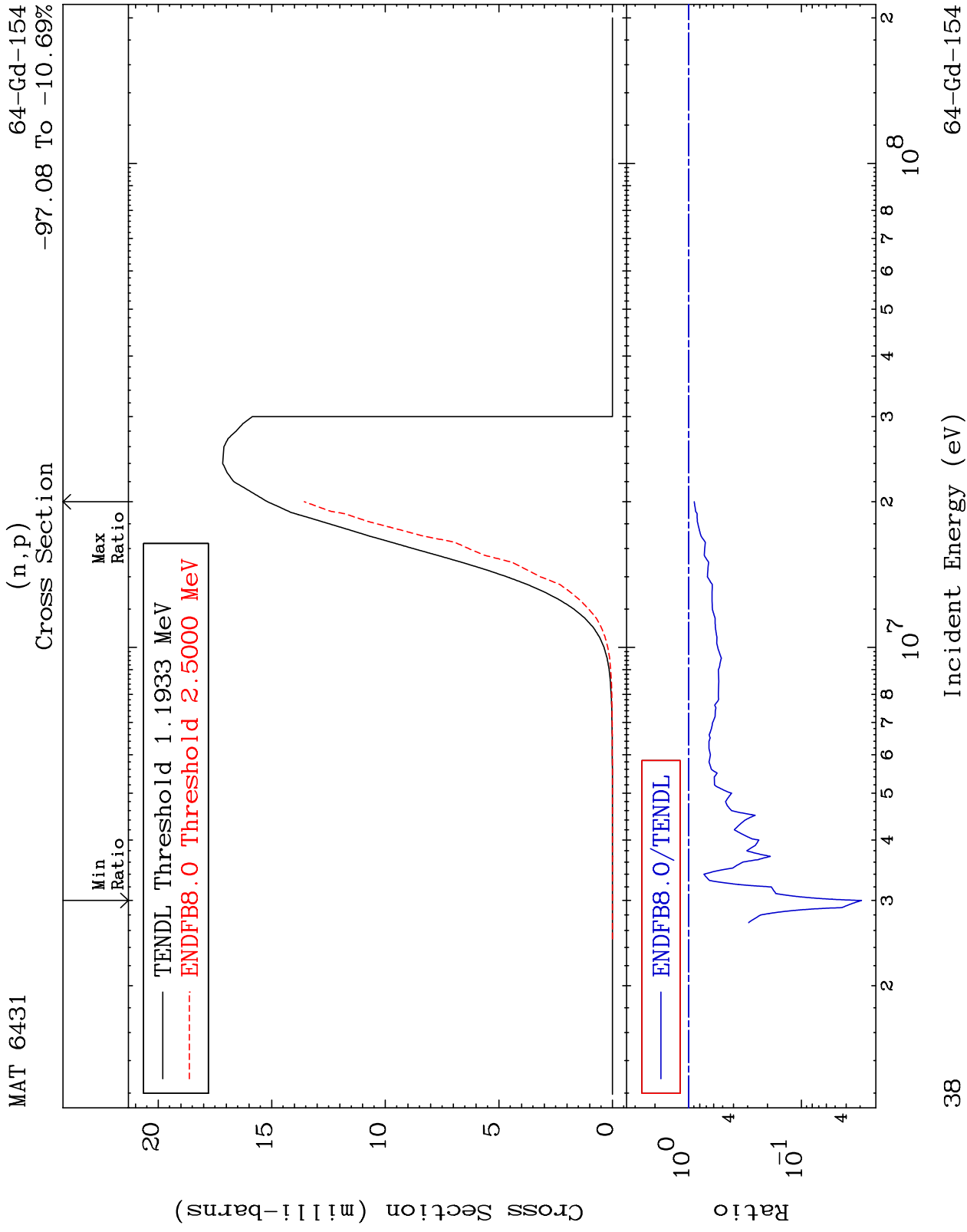


MAT 6431

(n, γ)
Cross Section

64-Gd-154
-99.98 To 9999. %





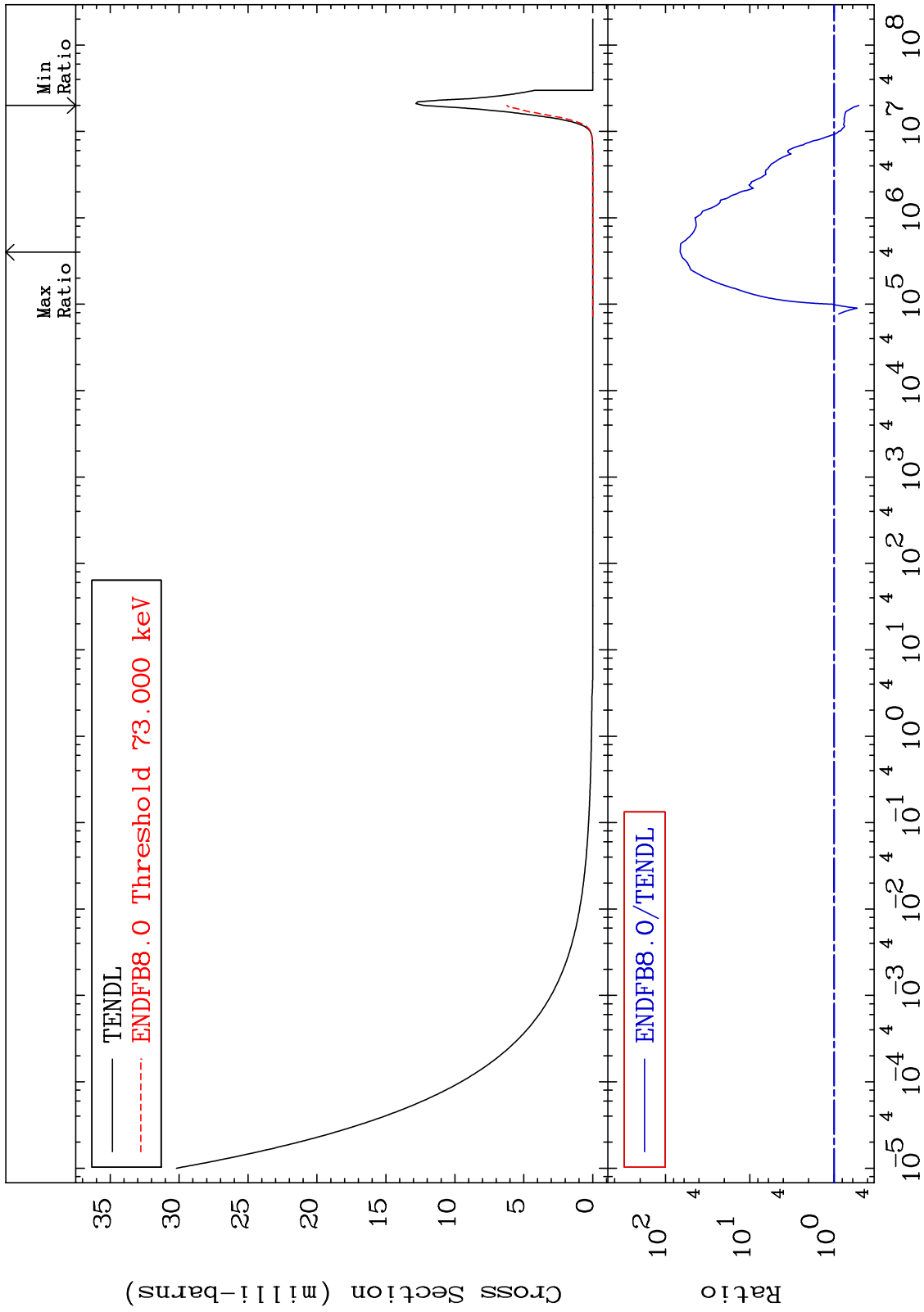
MAT 6431

(n, α)

64-Gd-154

Cross Section

-49.23 To 6582. %



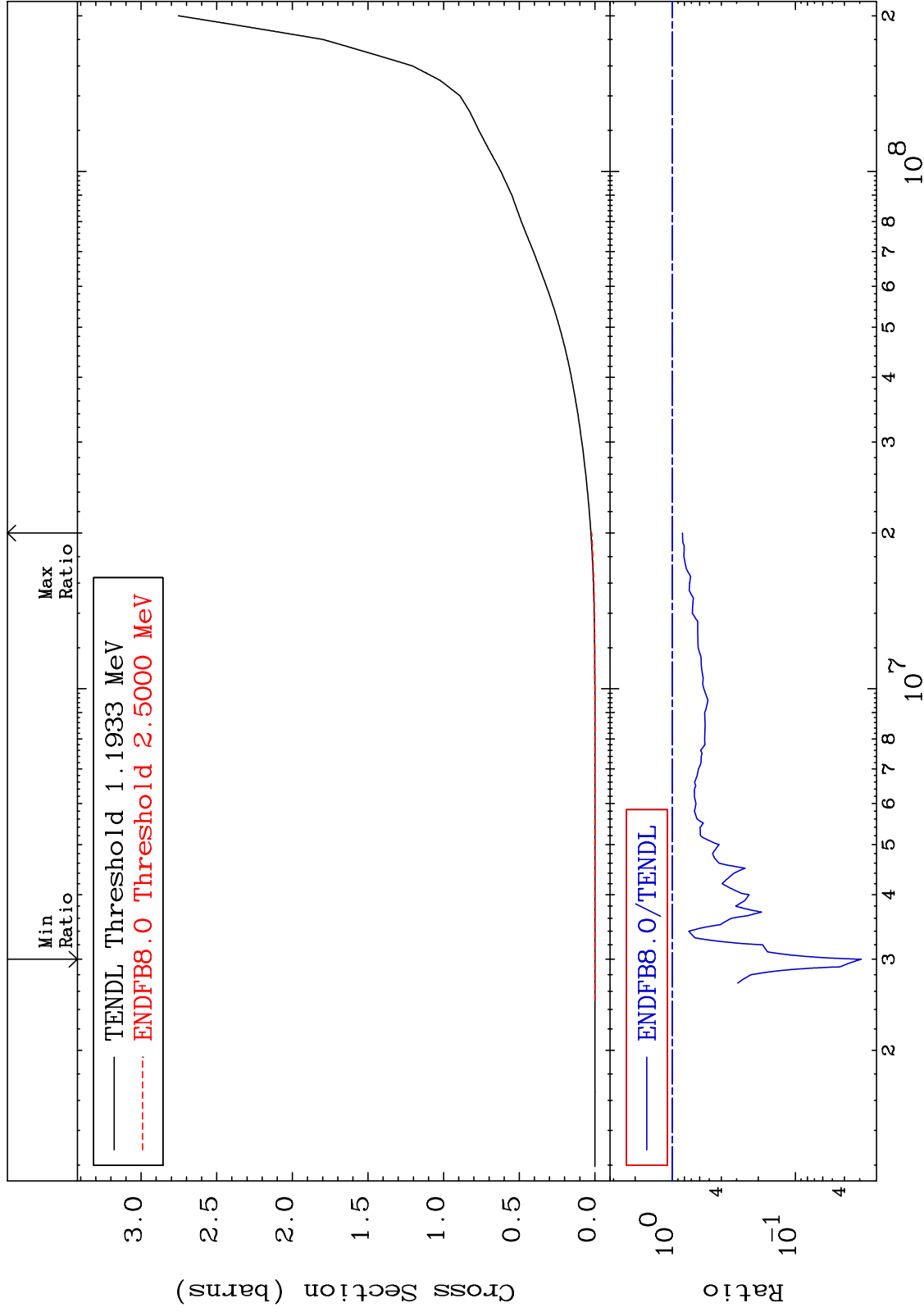
Incident Energy (eV)

64-Gd-154

MAT 6431

Hydrogen Production
Cross Section

64-Gd-154
-97.08 To -17.27%



40

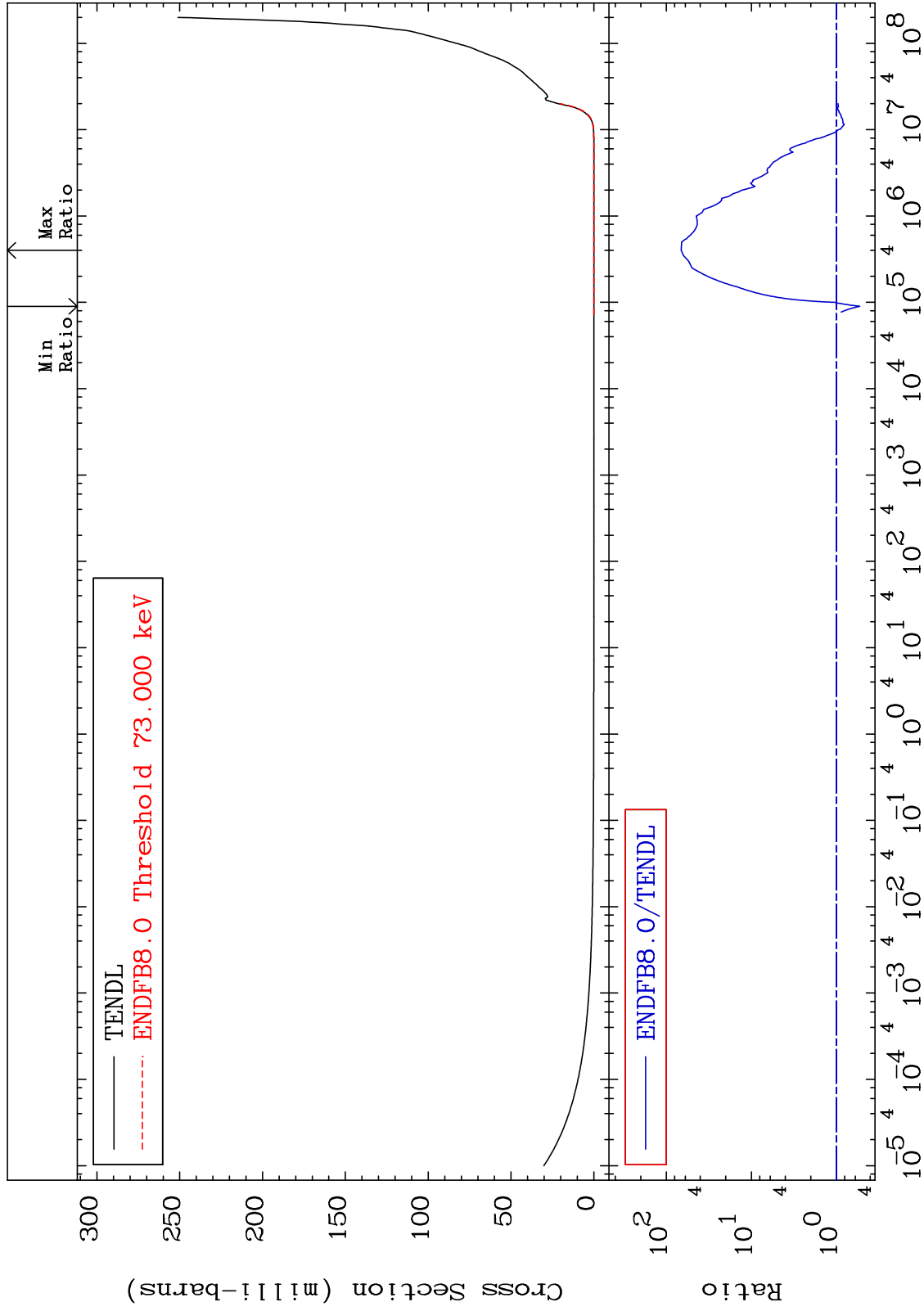
Incident Energy (eV)

64-Gd-154

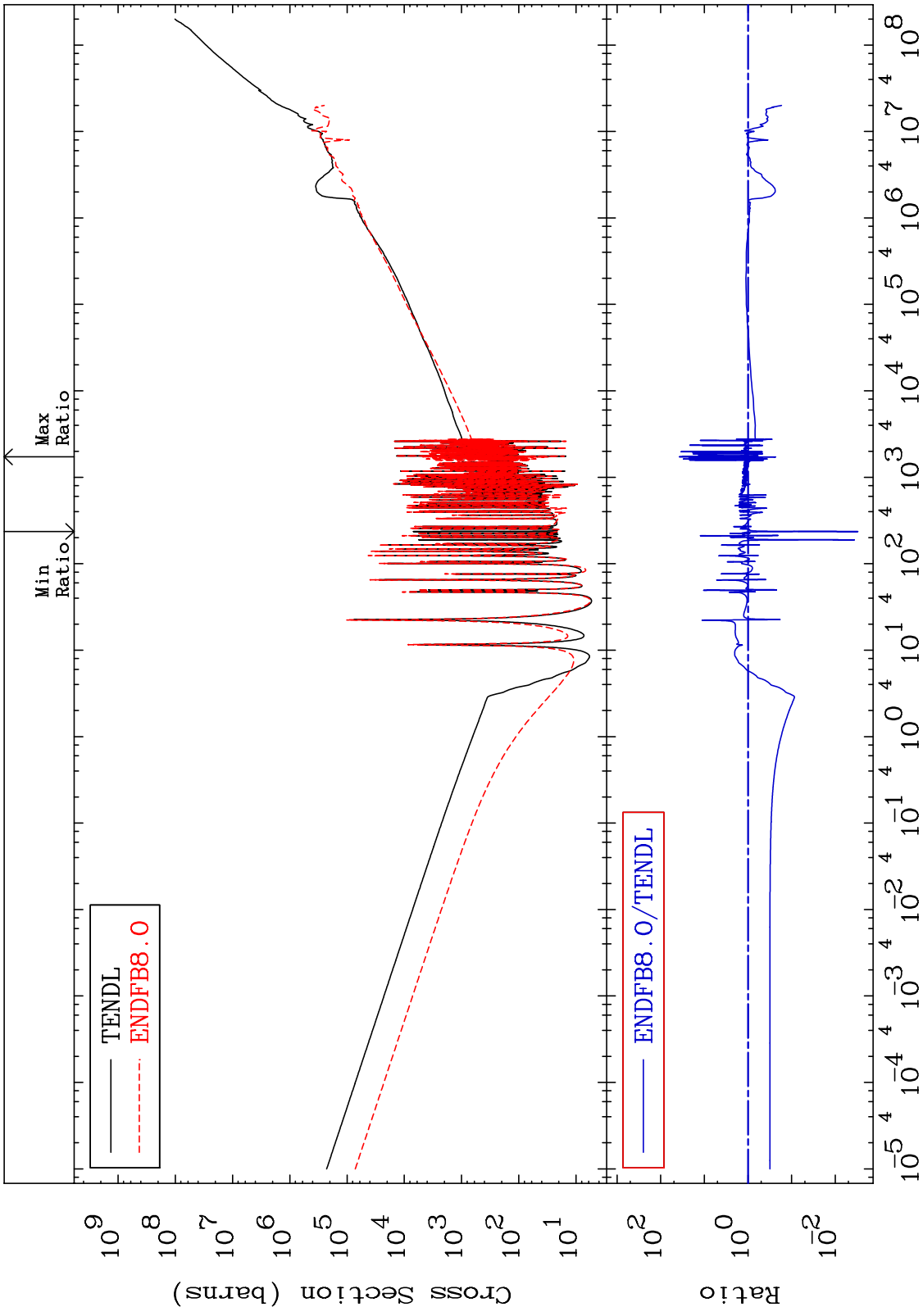
MAT 6431

He-4 Production
Cross Section

64-Gd-154
-46.81 To 6582. %



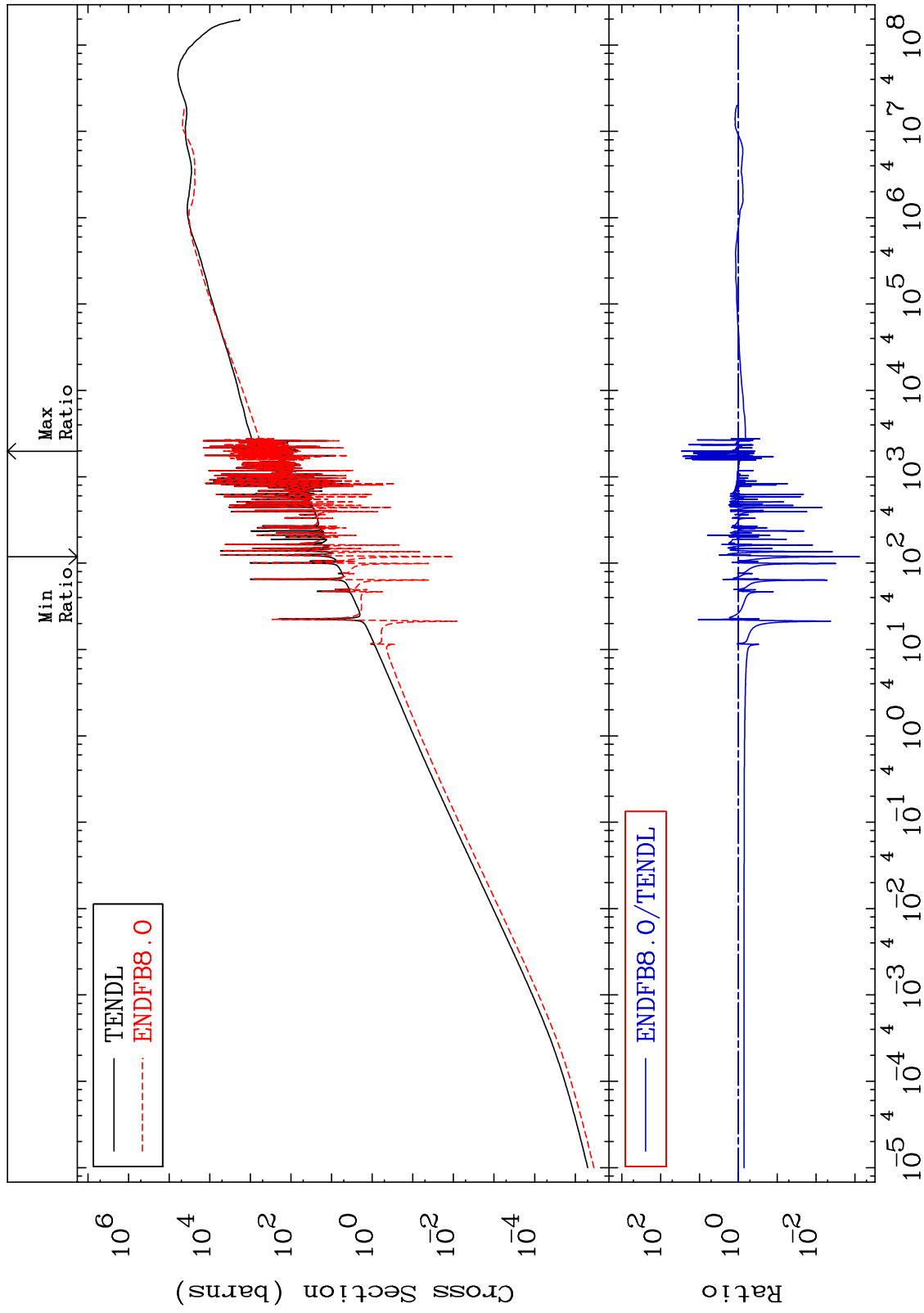
MAT 6431 Kerma total (eV-barns) 64-Gd-154
 Cross Section -99.70 To 3700. %



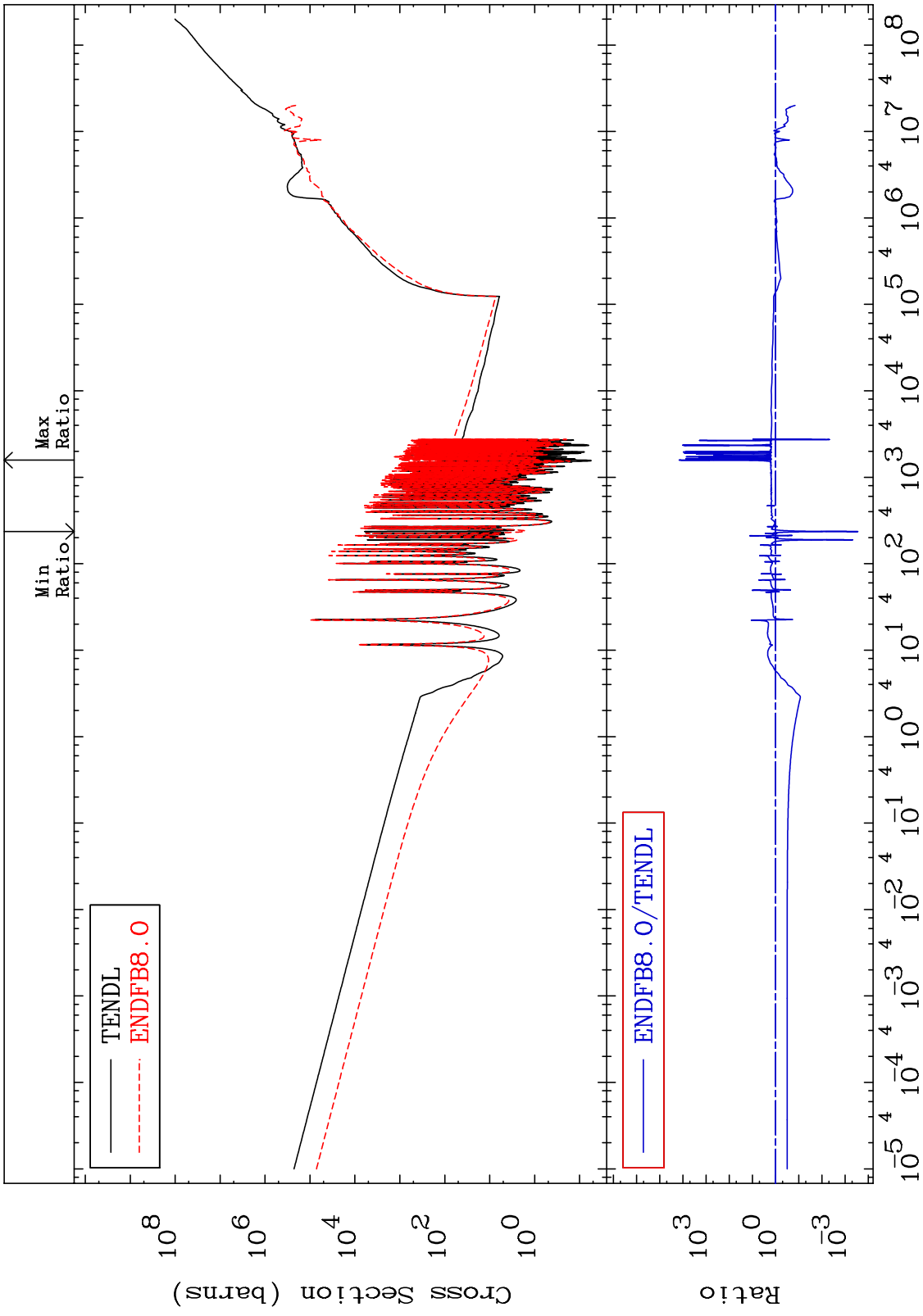
MAT 6431

Kerma elastic
Cross Section

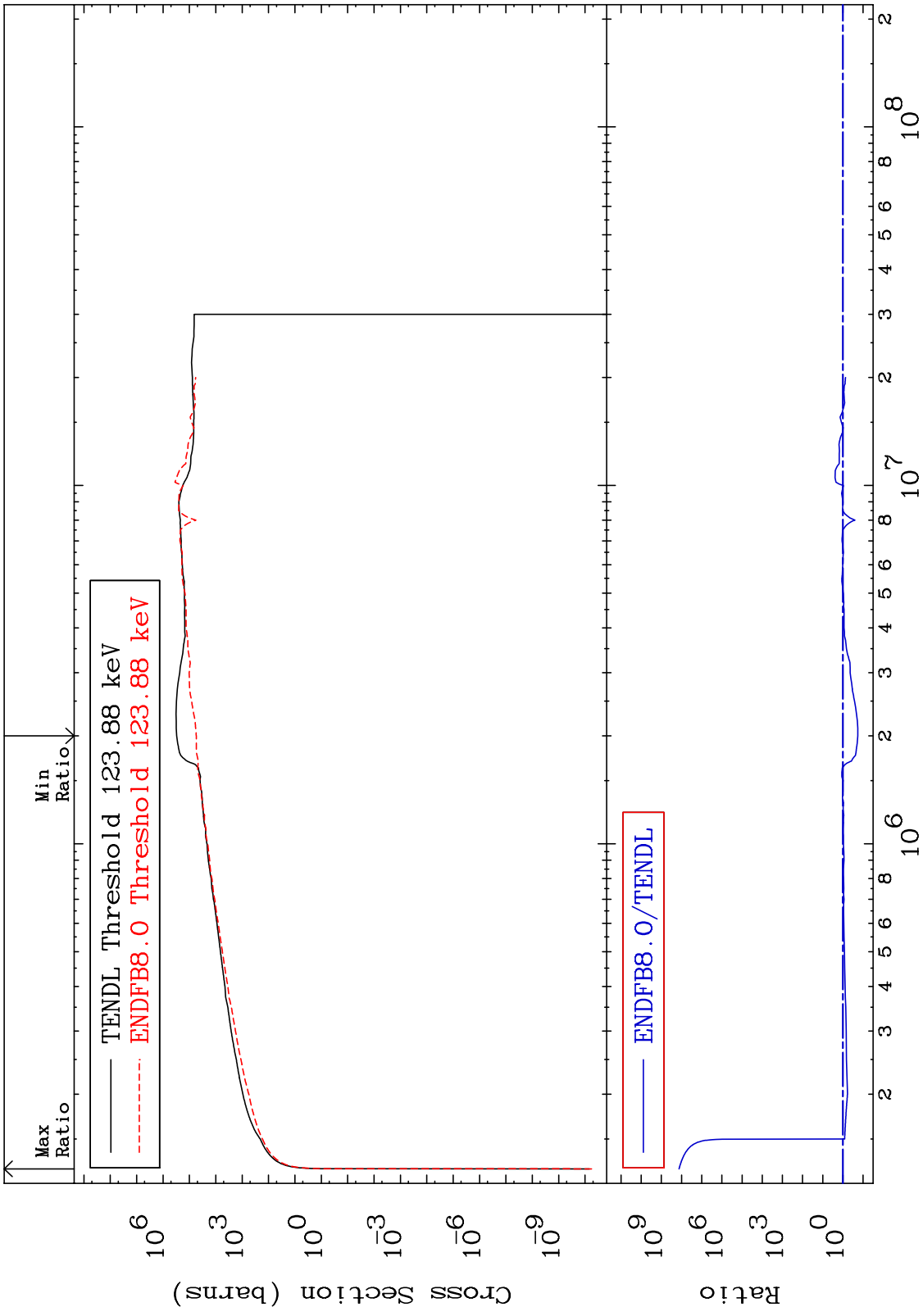
64-Gd-154
-99.93 To 2835. %



MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154
 -99.97 To 9999. %



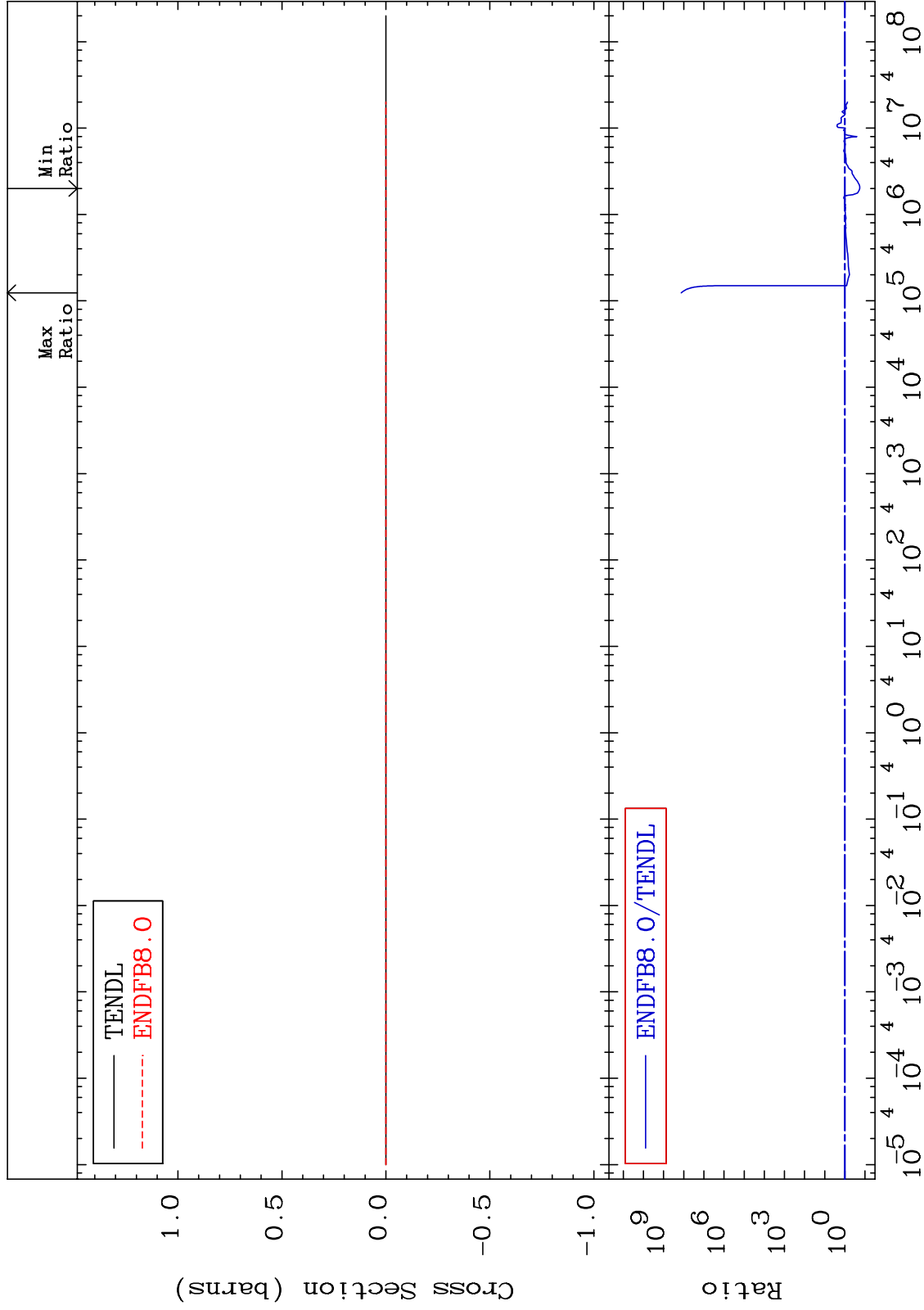
MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154
 Cross Section -81.78 To 9999. %



MAT 6431

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

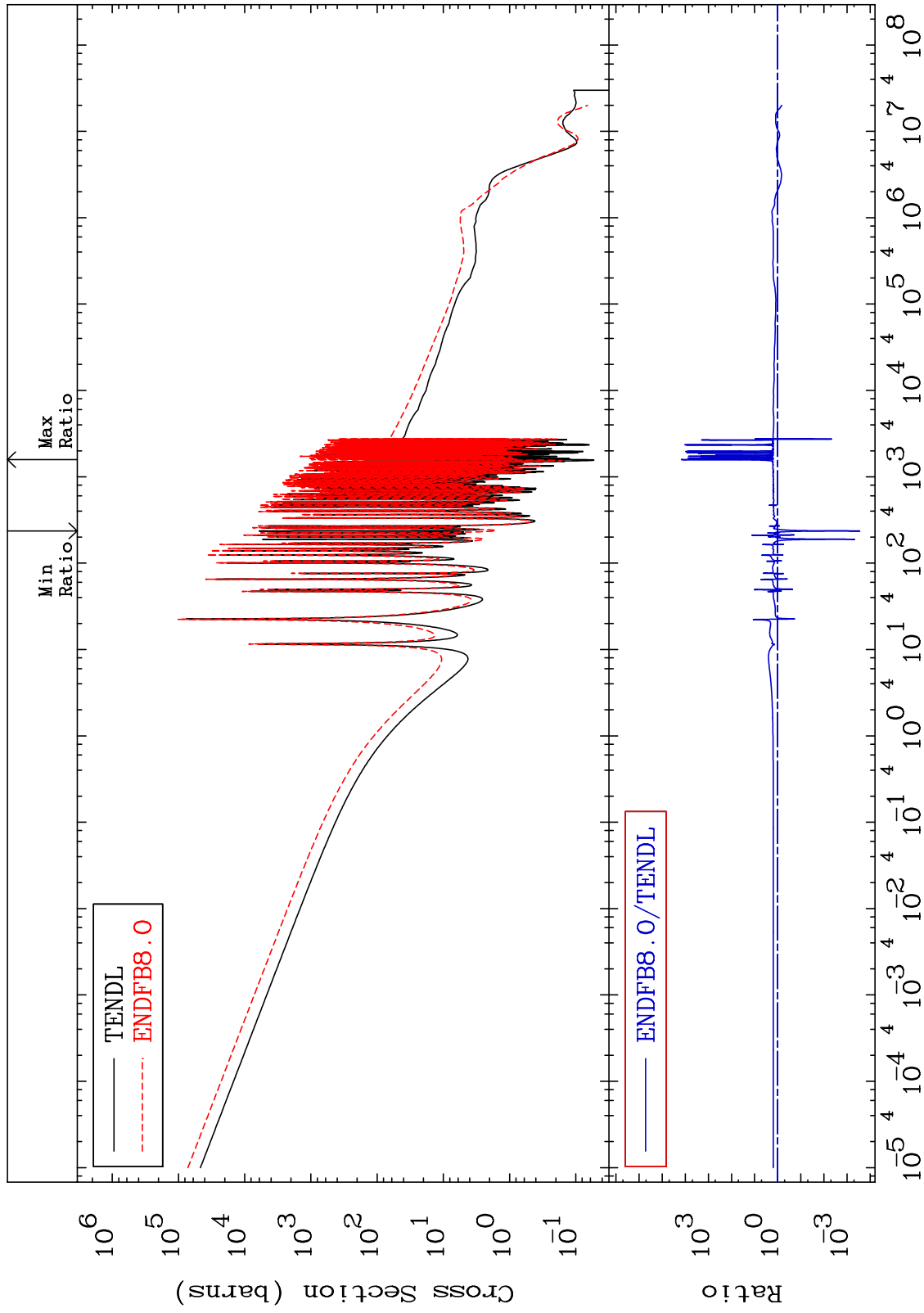
64-Gd-154
-81.78 To 9999. %



MAT 6431

Kerma capture (mt102)
Cross Section

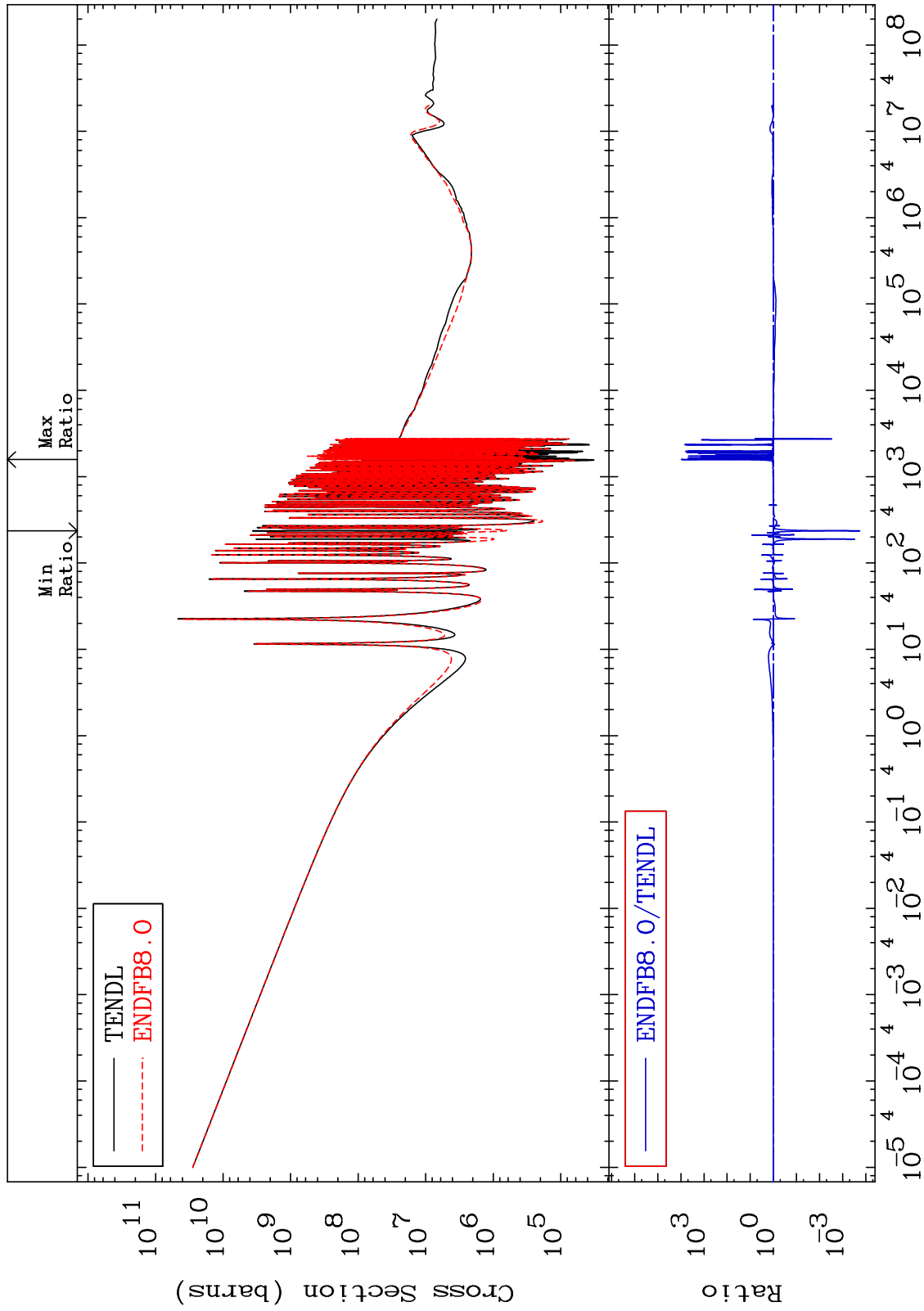
64-Gd-154
-99.97 To 9999. %



MAT 6431

Total photon (eV-barns)
Cross Section

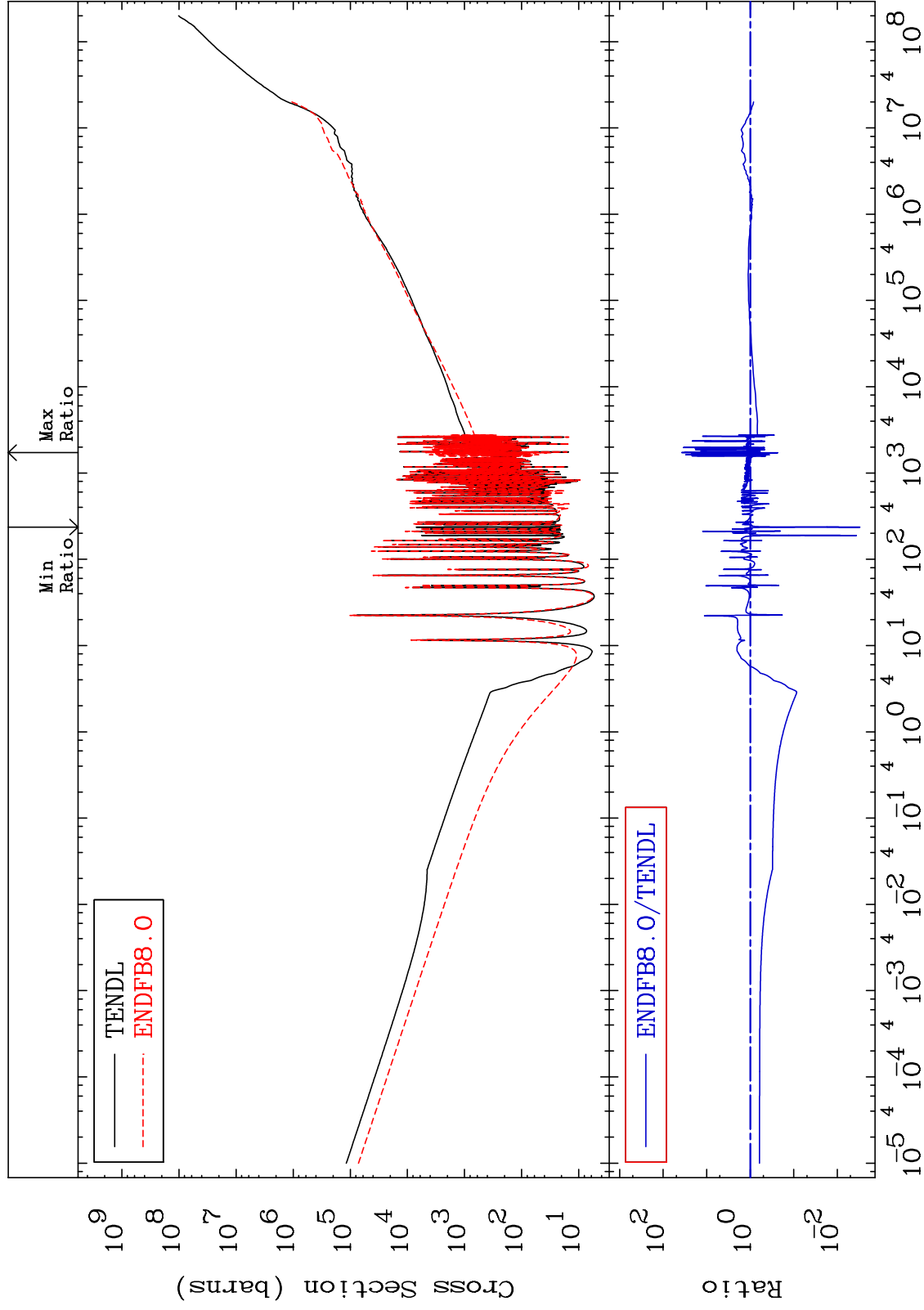
64-Gd-154
-99.98 To 9999. %



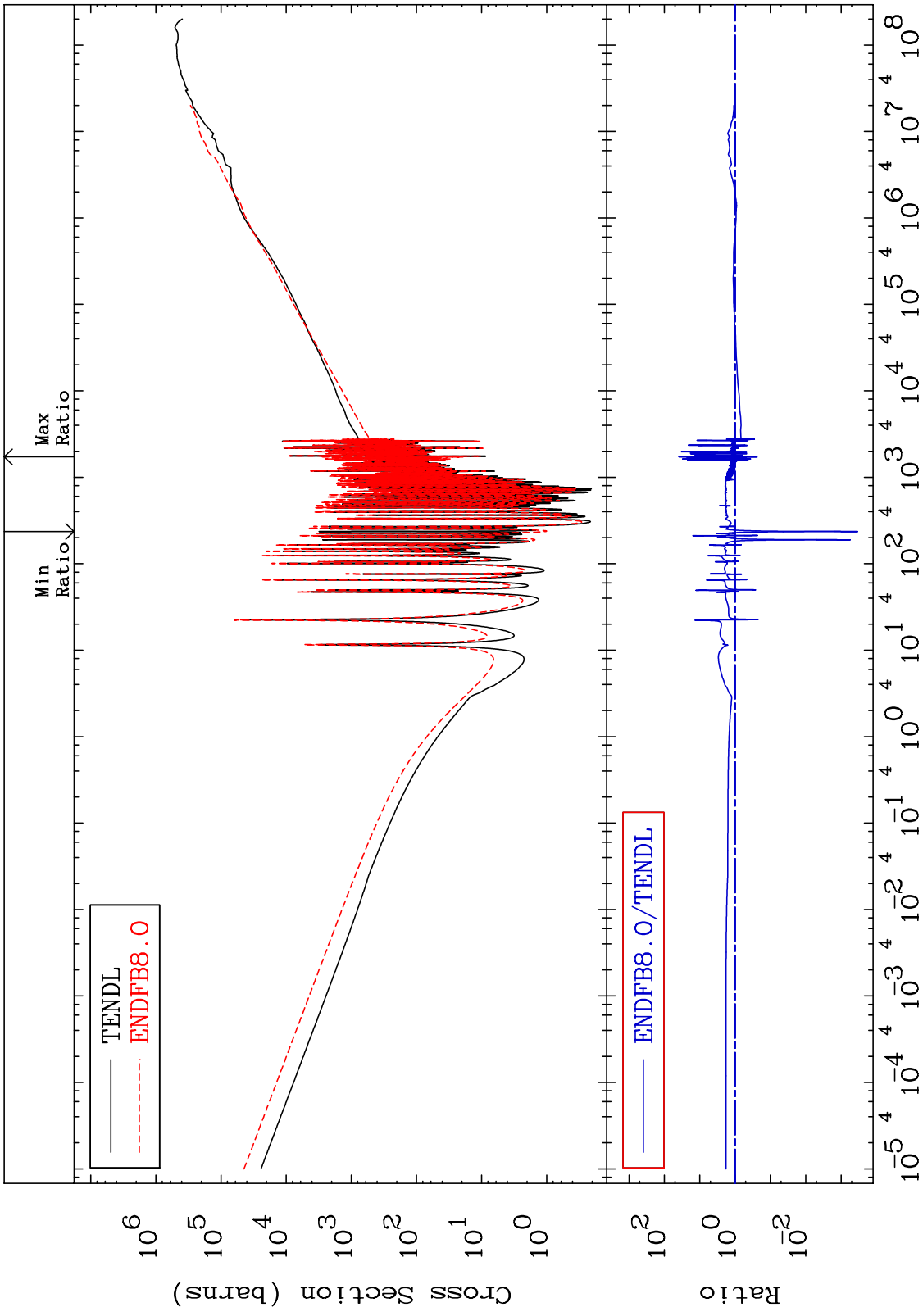
MAT 6431

Total kinematic kerma (high limit)
Cross Section

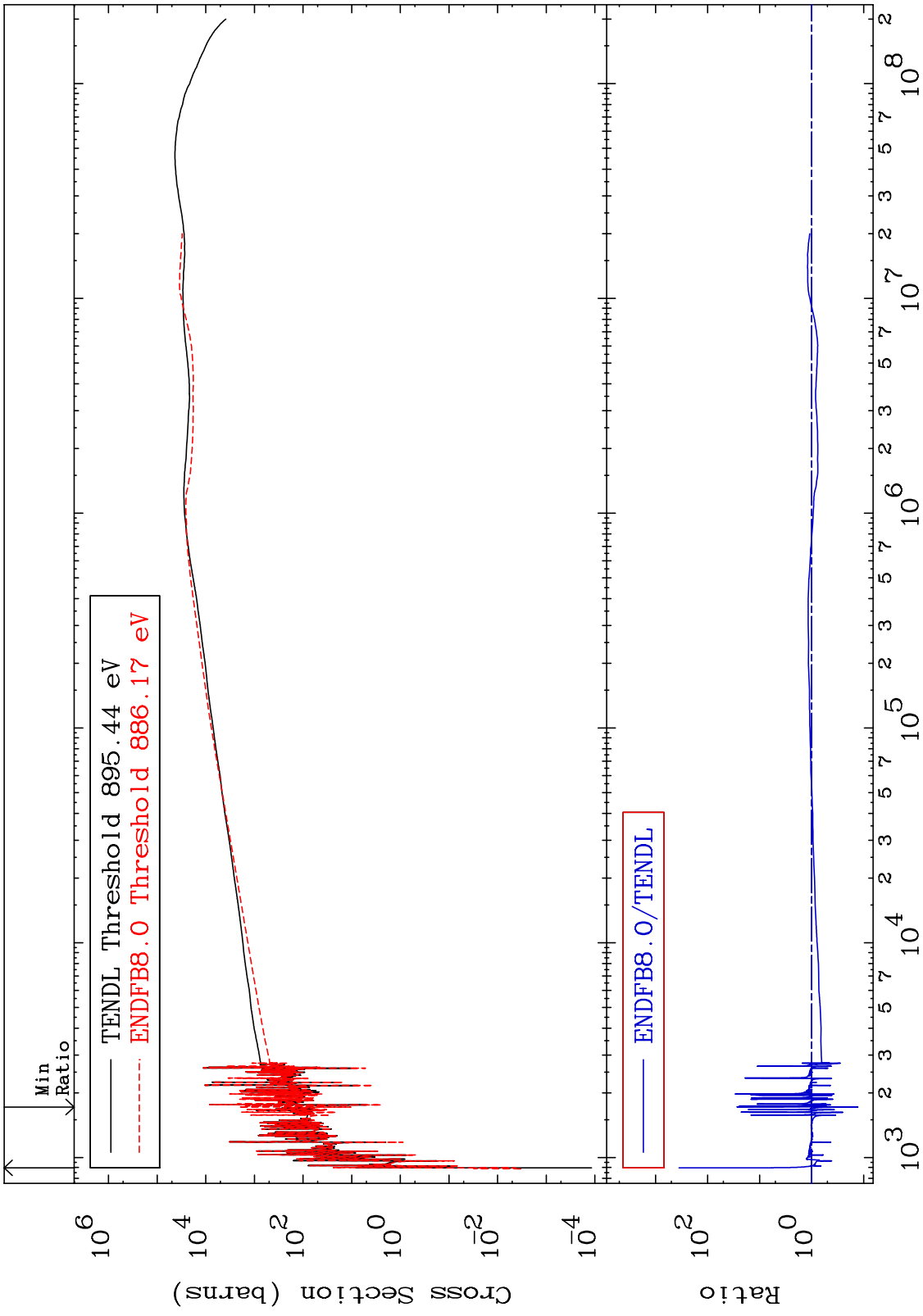
64-Gd-154
-99.70 To 3700. %



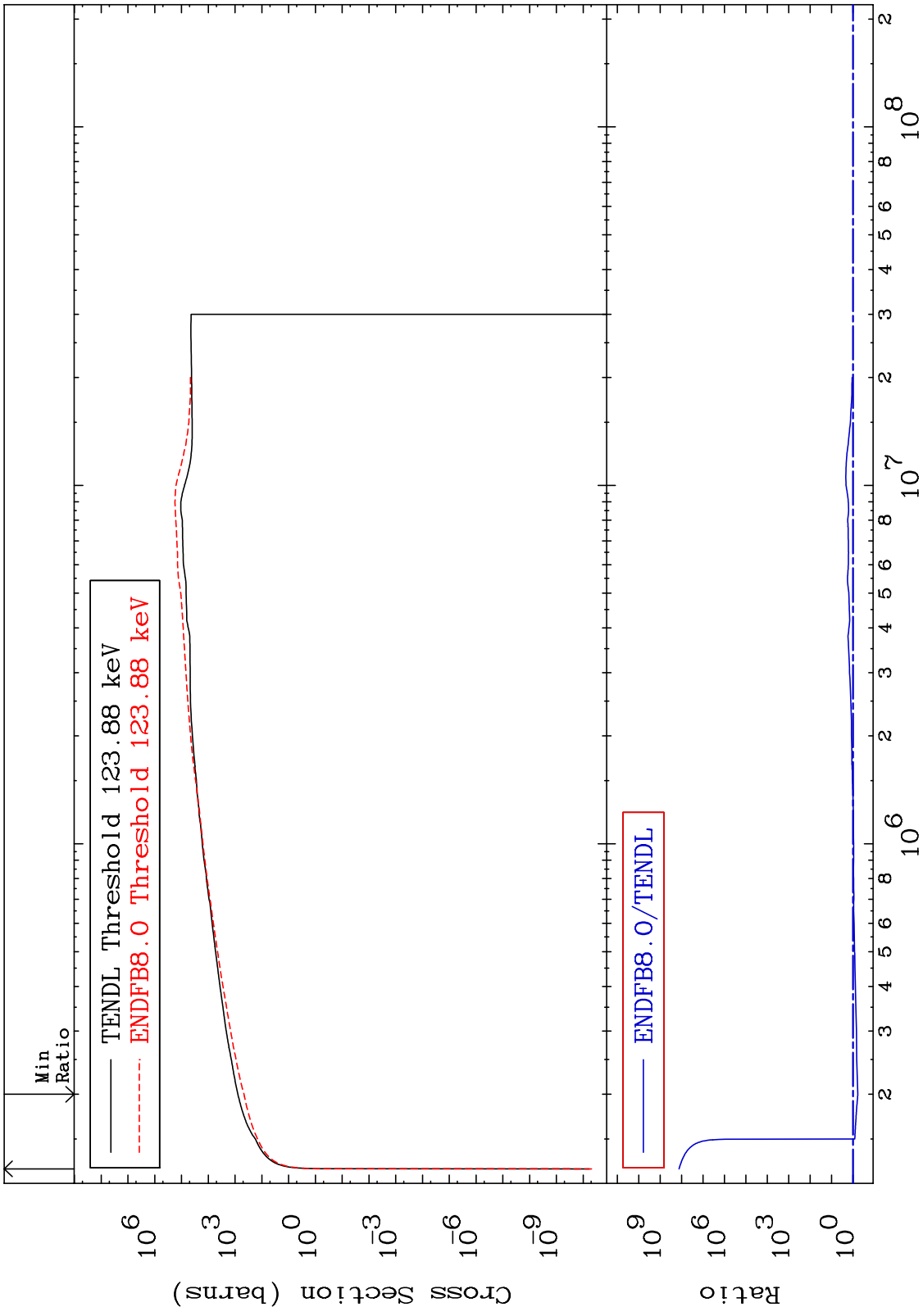
MAT 6431 Dpa total (eV-barns) 64-Gd-154
 -99.97 To 3745. %



MAT 6431 Dpa elastic (mt2) 64-Gd-154
Cross Section -87.00 To 9999. %



MAT 6431 Dpa inelastic (mt51-91) 64-Gd-154
 Cross Section -40.60 To 9999. %



MAT 6431

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-154
-99.97 To 9999. %

