

Program Complot
(Version 2018-1)

by

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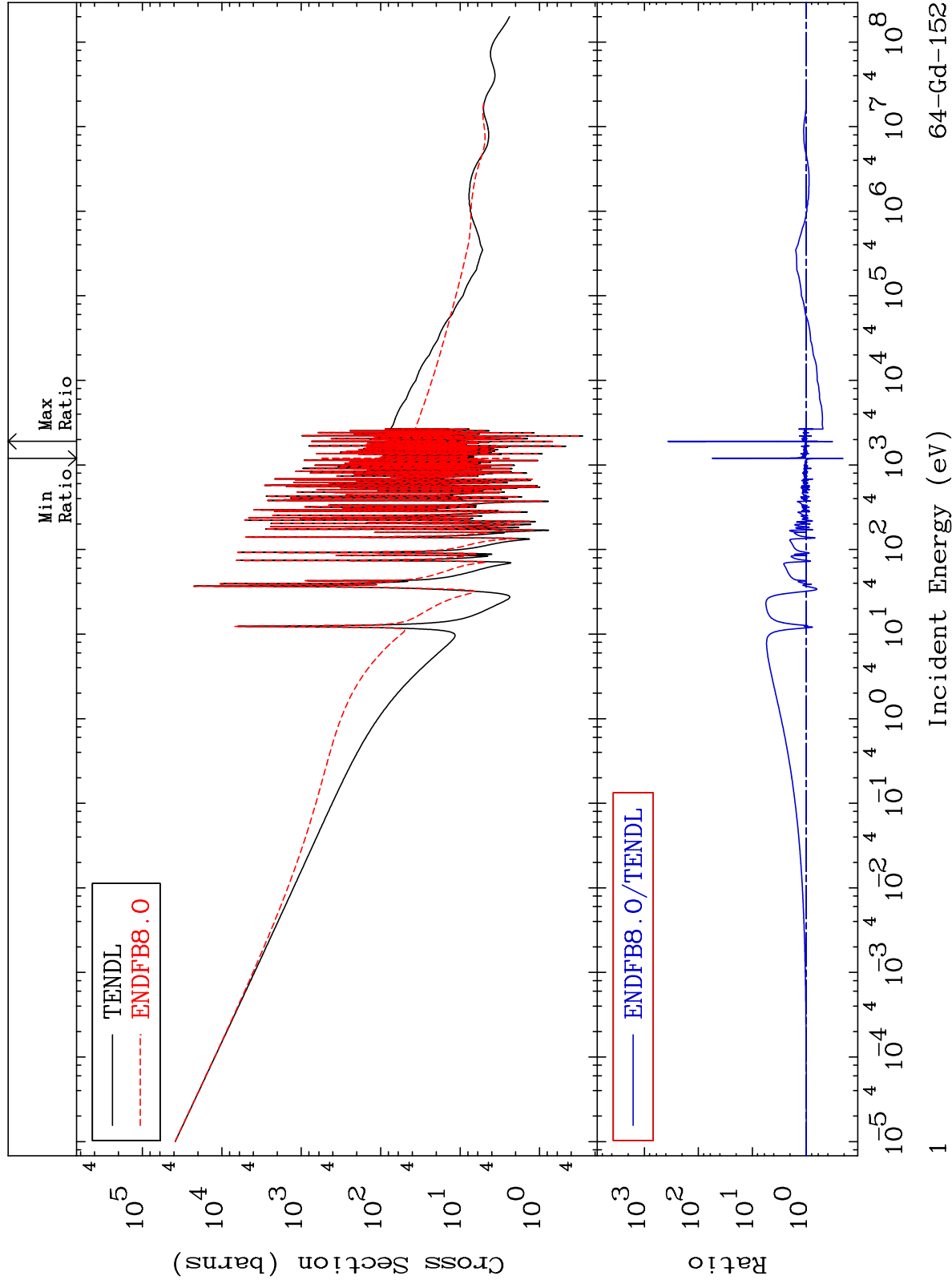
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6425

Total
Cross Section

64-Gd-152
-78.98 To 9999. %



Incident Energy (eV)

64-Gd-152

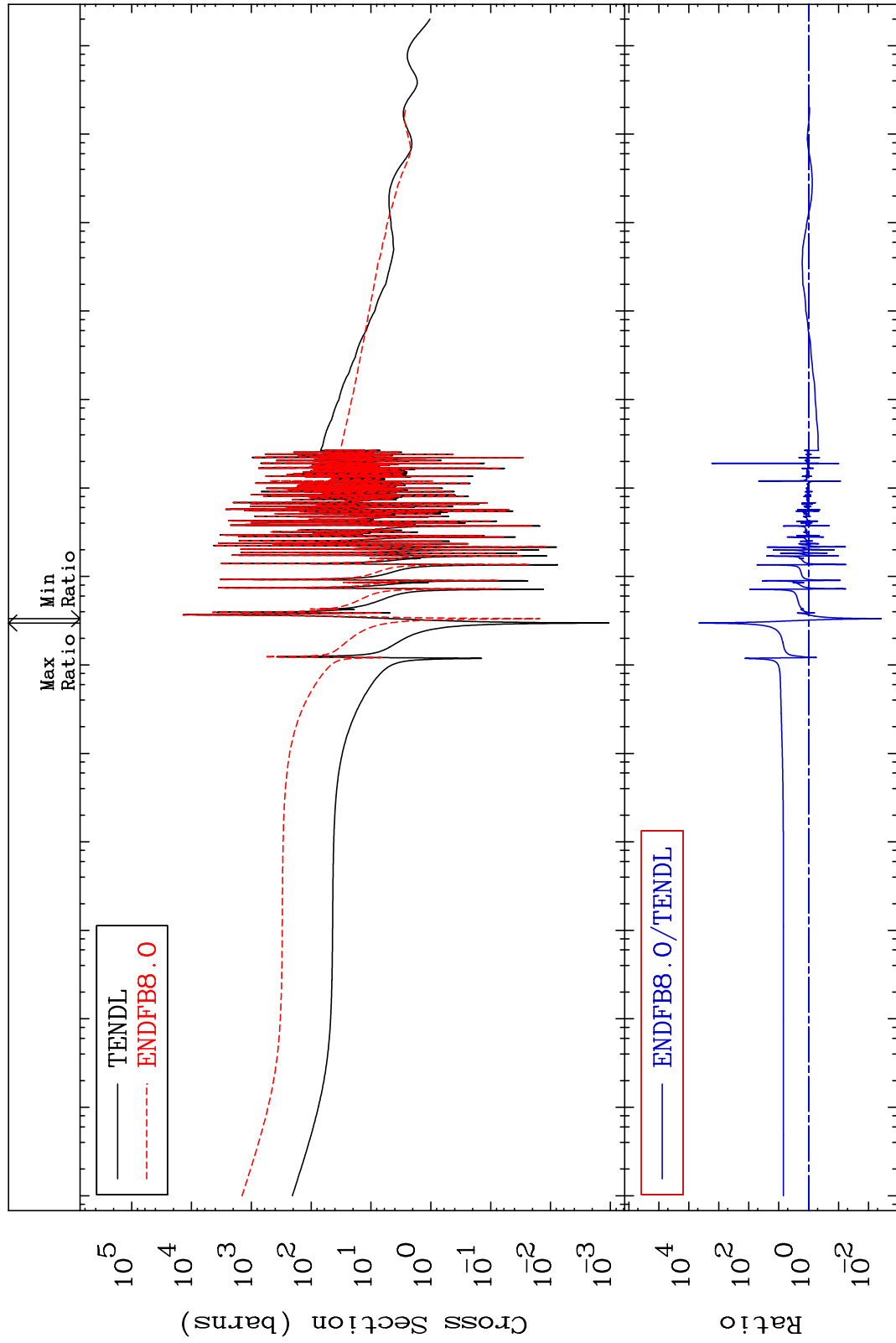
MAT 6425

Elastic

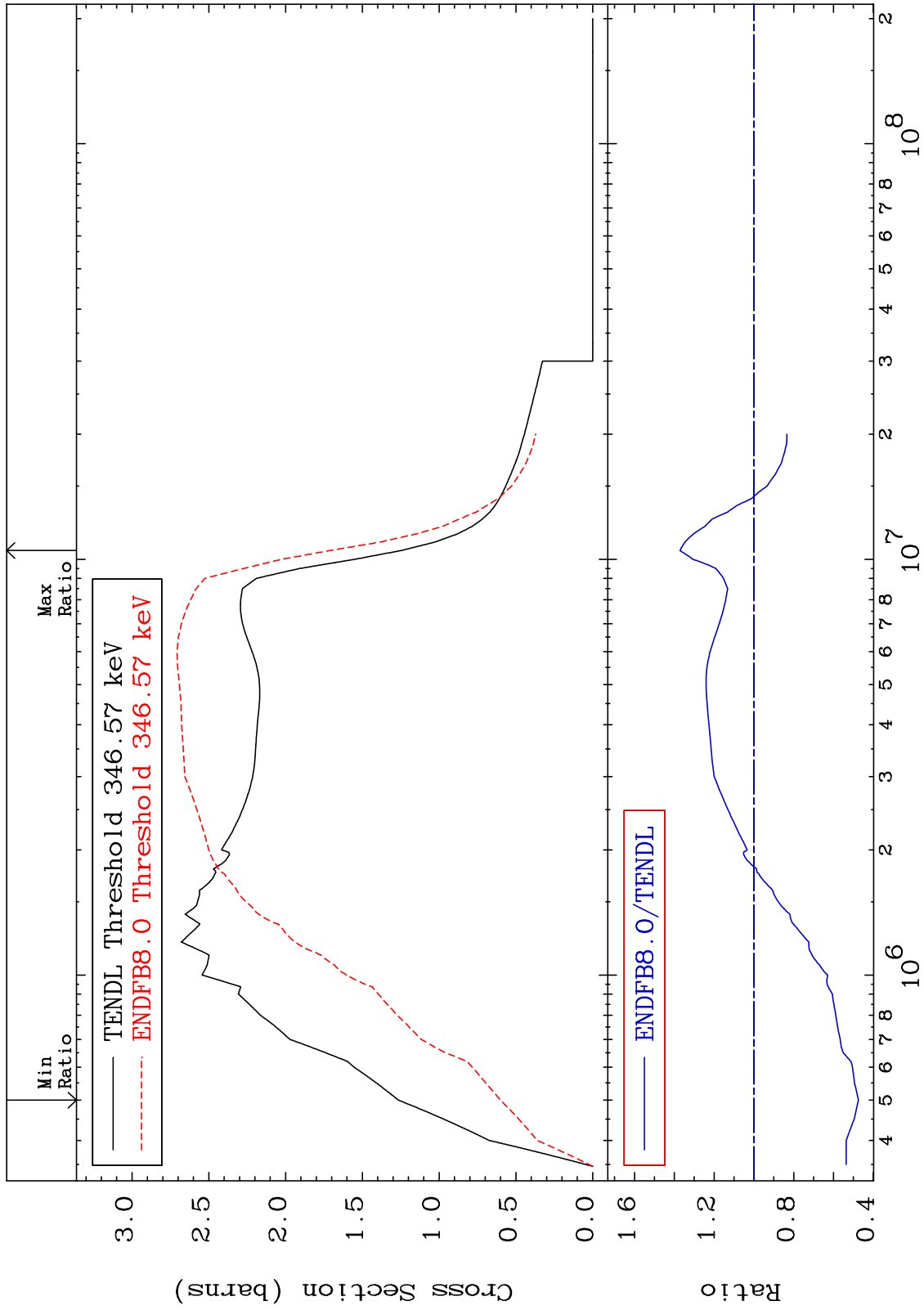
64-Gd-152

Cross Section

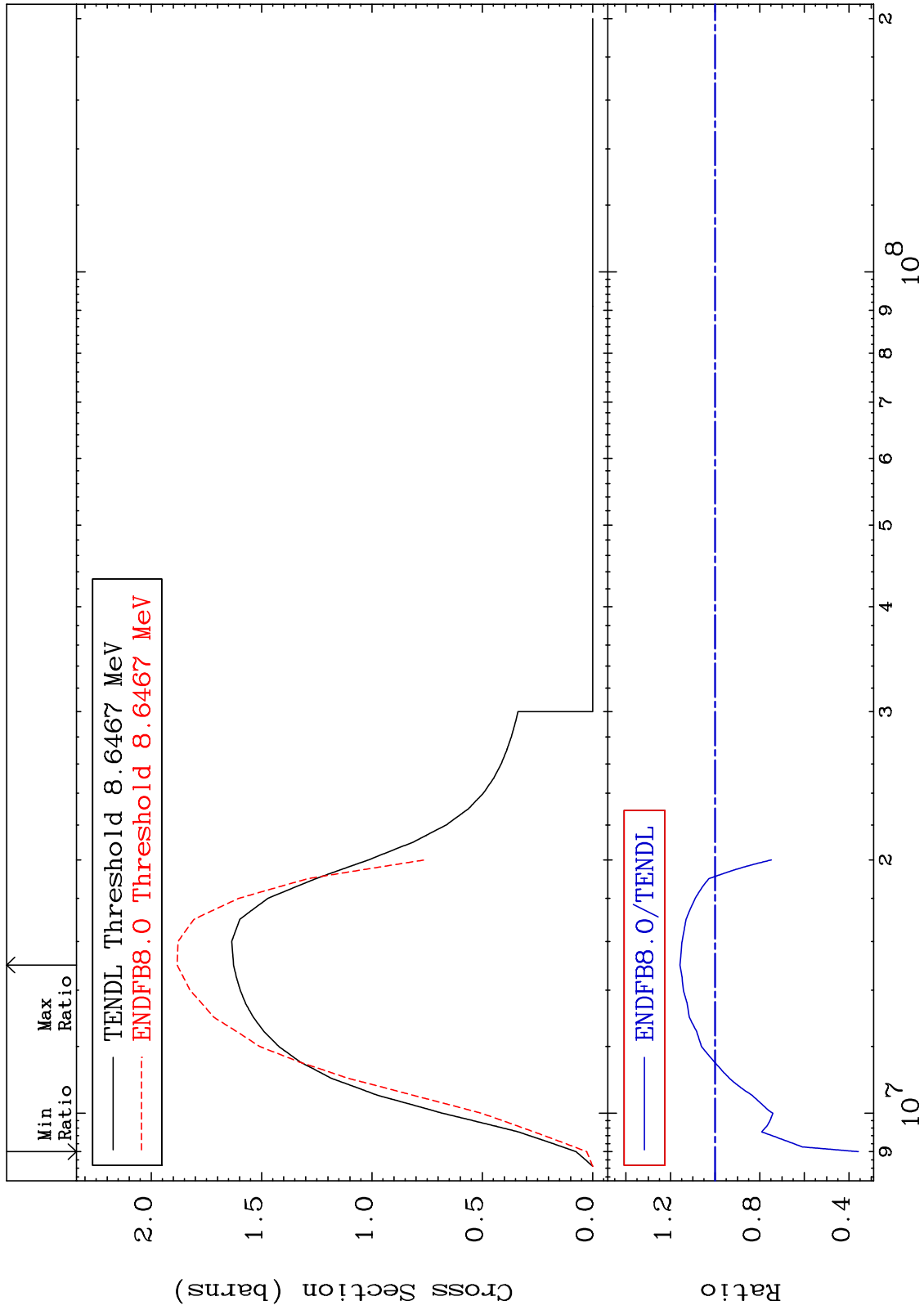
-99.63 To 9999. %



MAT 6425 64-Gd-152 -52.52 To 37.13 % Inelastic Cross Section

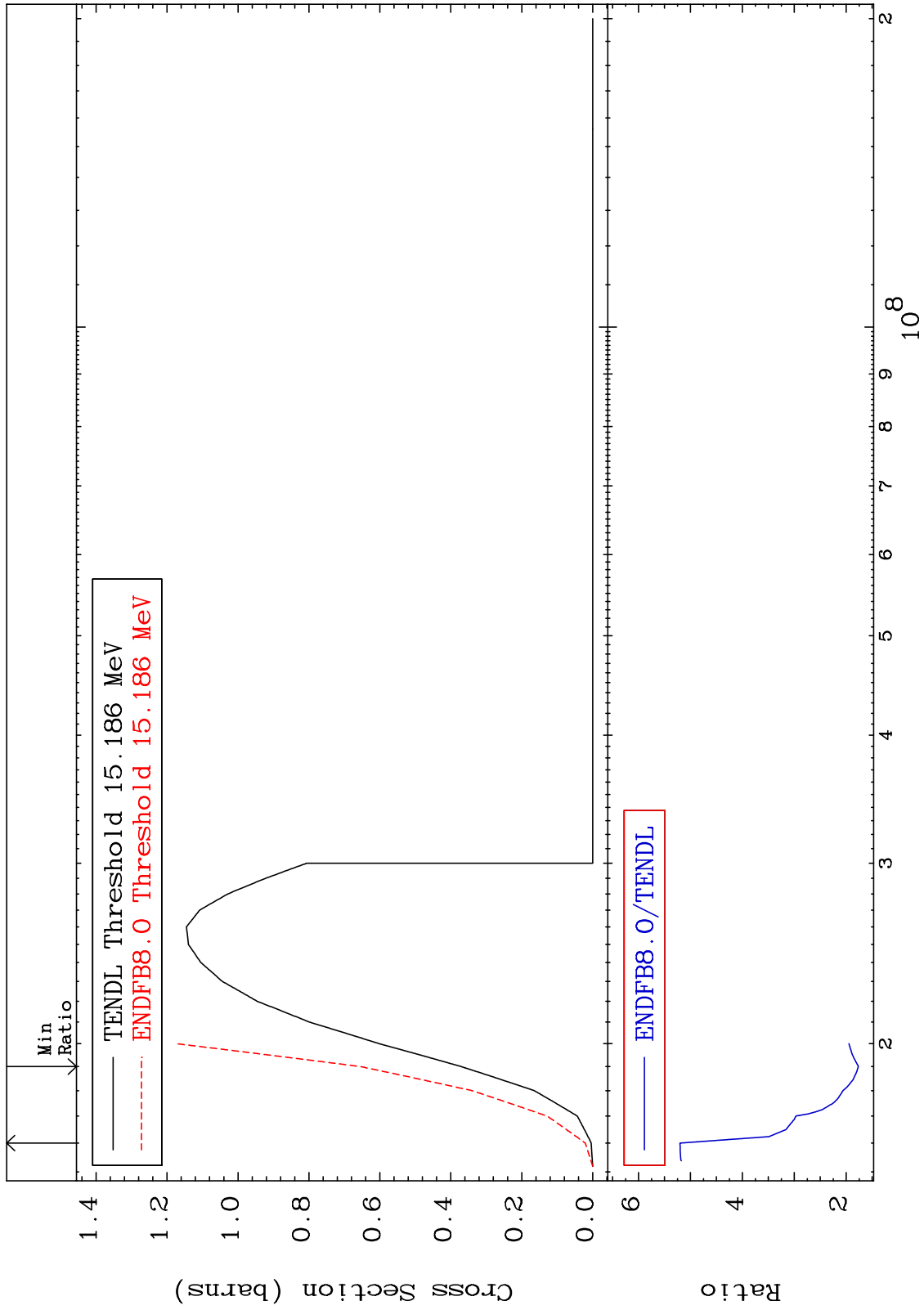


MAT 6425 (n,2n) Cross Section 64-Gd-152 -64.24 To 15.75 %



4 64-Gd-152

MAT 6425 (n,3n) Cross Section 64-Gd-152 To 420.1 % 76.58



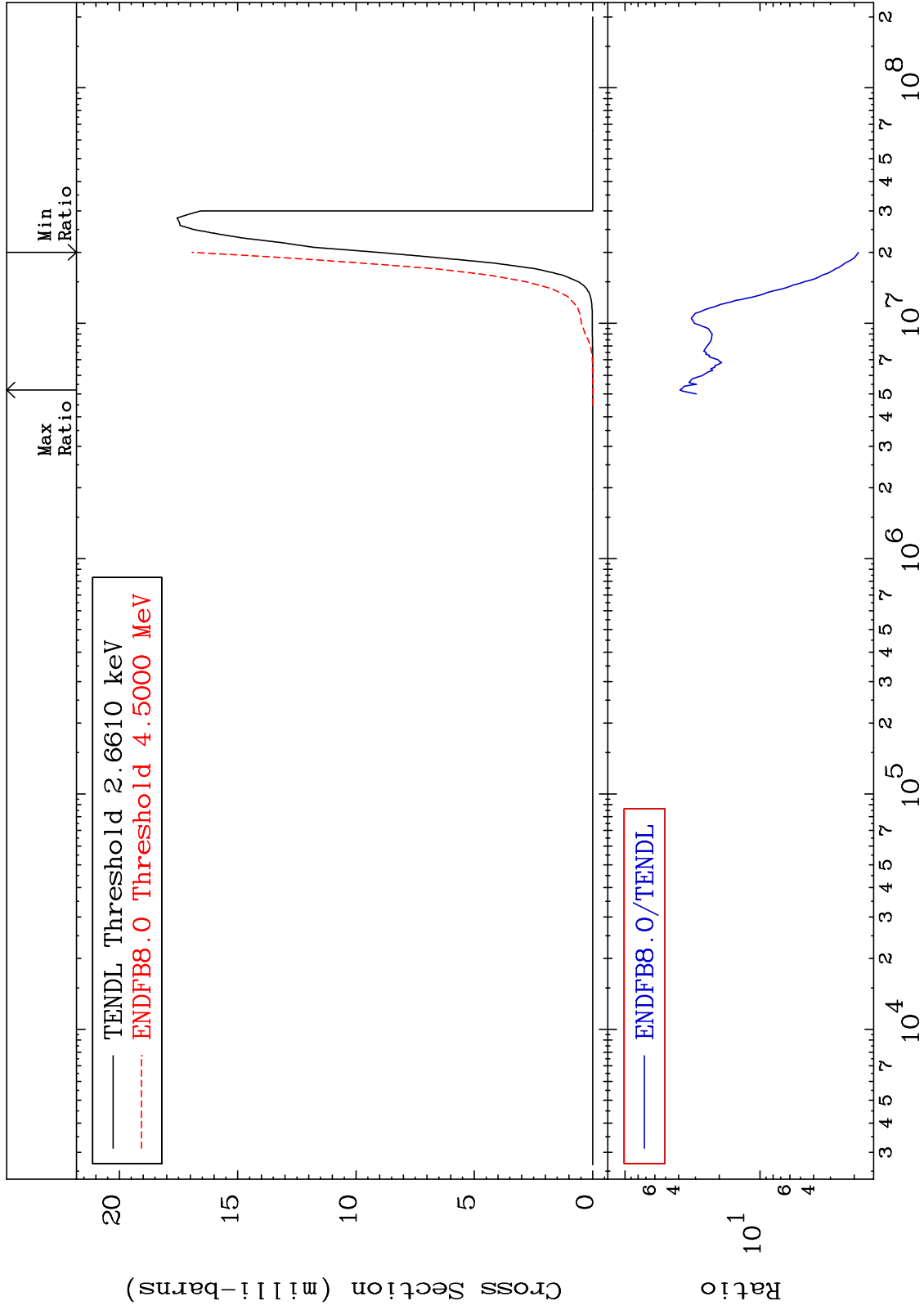
5 Incident Energy (eV) 64-Gd-152

MAT 6425

(n,n') α

Cross Section

64-Gd-152
To 3810. %
86.16



6

Incident Energy (eV)

64-Gd-152

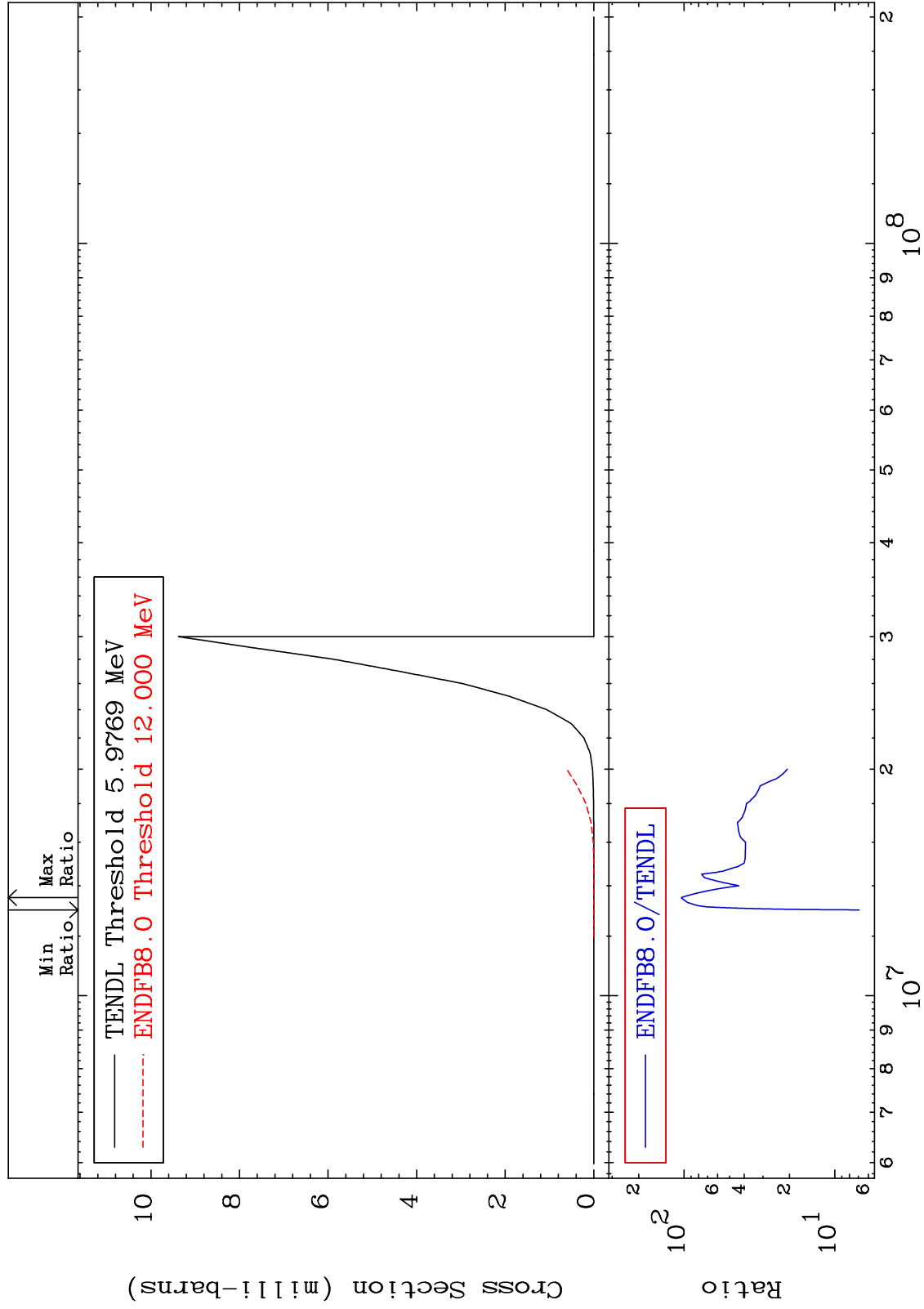
MAT 6425

(n,2n) α

64-Gd-152

589.3 To 9999. %

Cross Section



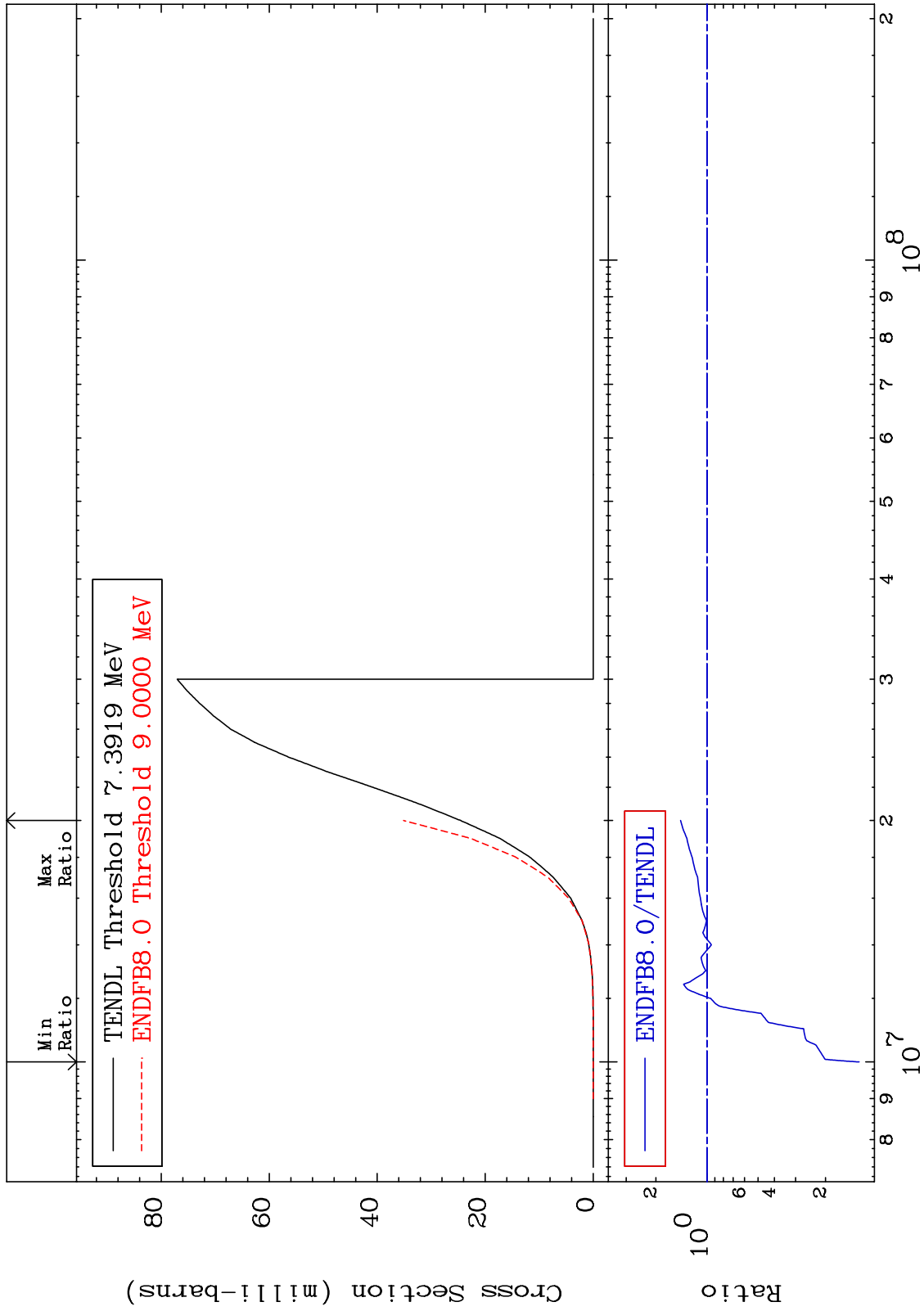
MAT 6425

(n,n') p

64-Gd-152

Cross Section

-87.35 To 43.10 %



8

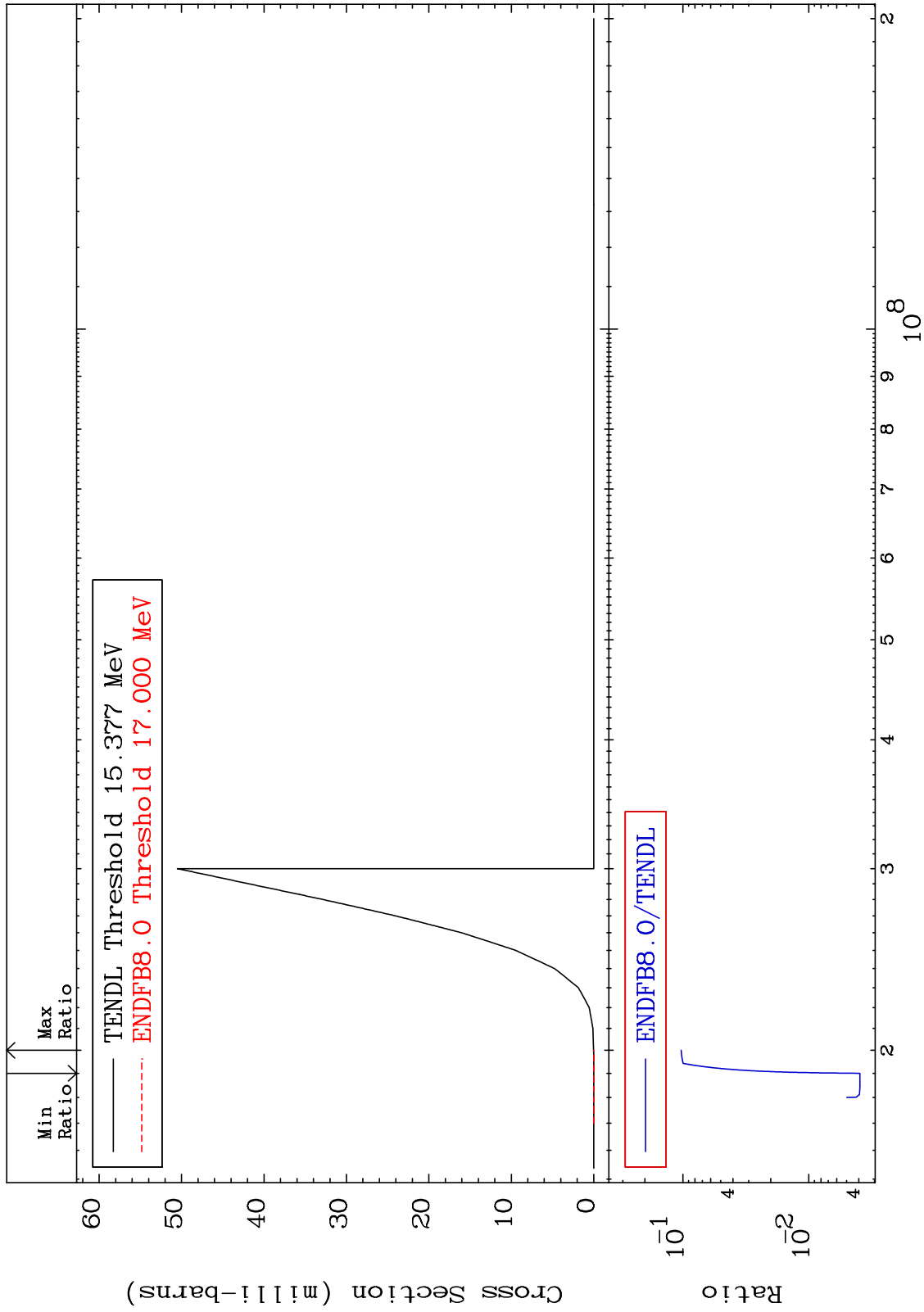
Incident Energy (eV)

64-Gd-152

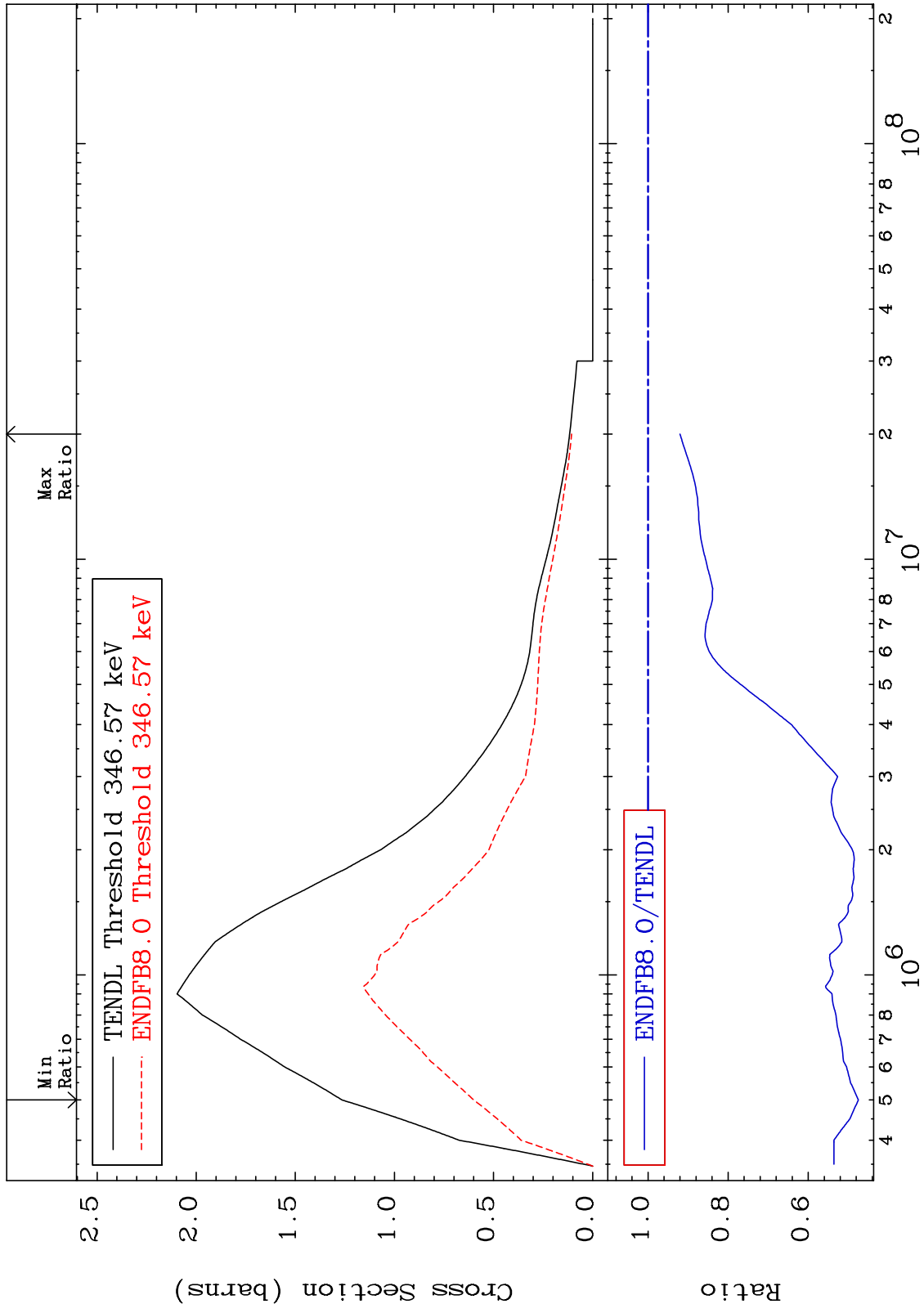
MAT 6425

(n,2n) p
Cross Section

64-Gd-152
-99.61 To -89.71%



MAT 6425 MT= 51 (n,n') Level 64-Gd-152
Cross Section -52.53 To -7.992%

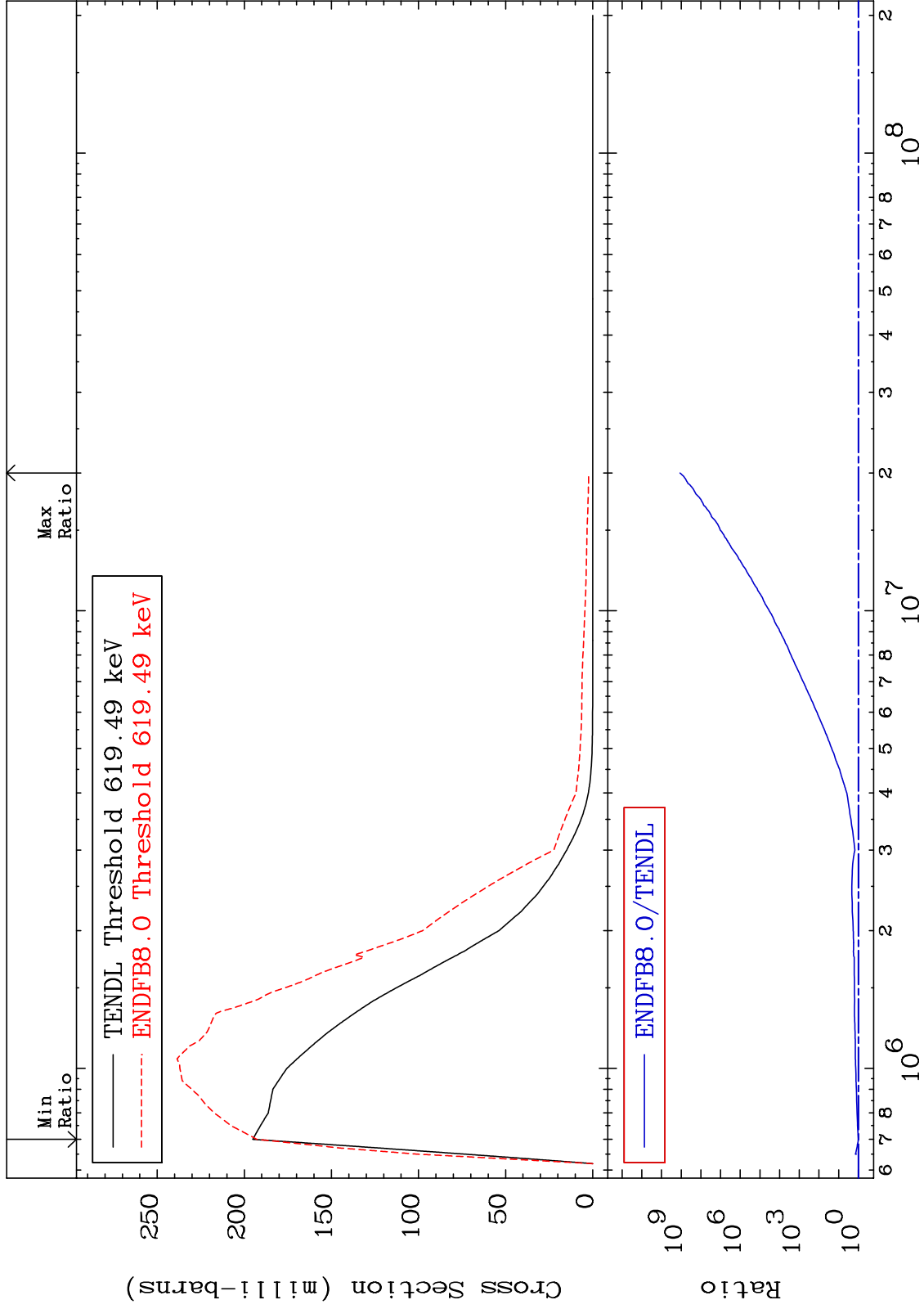


10 Incident Energy (eV) 64-Gd-152

MAT 6425

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

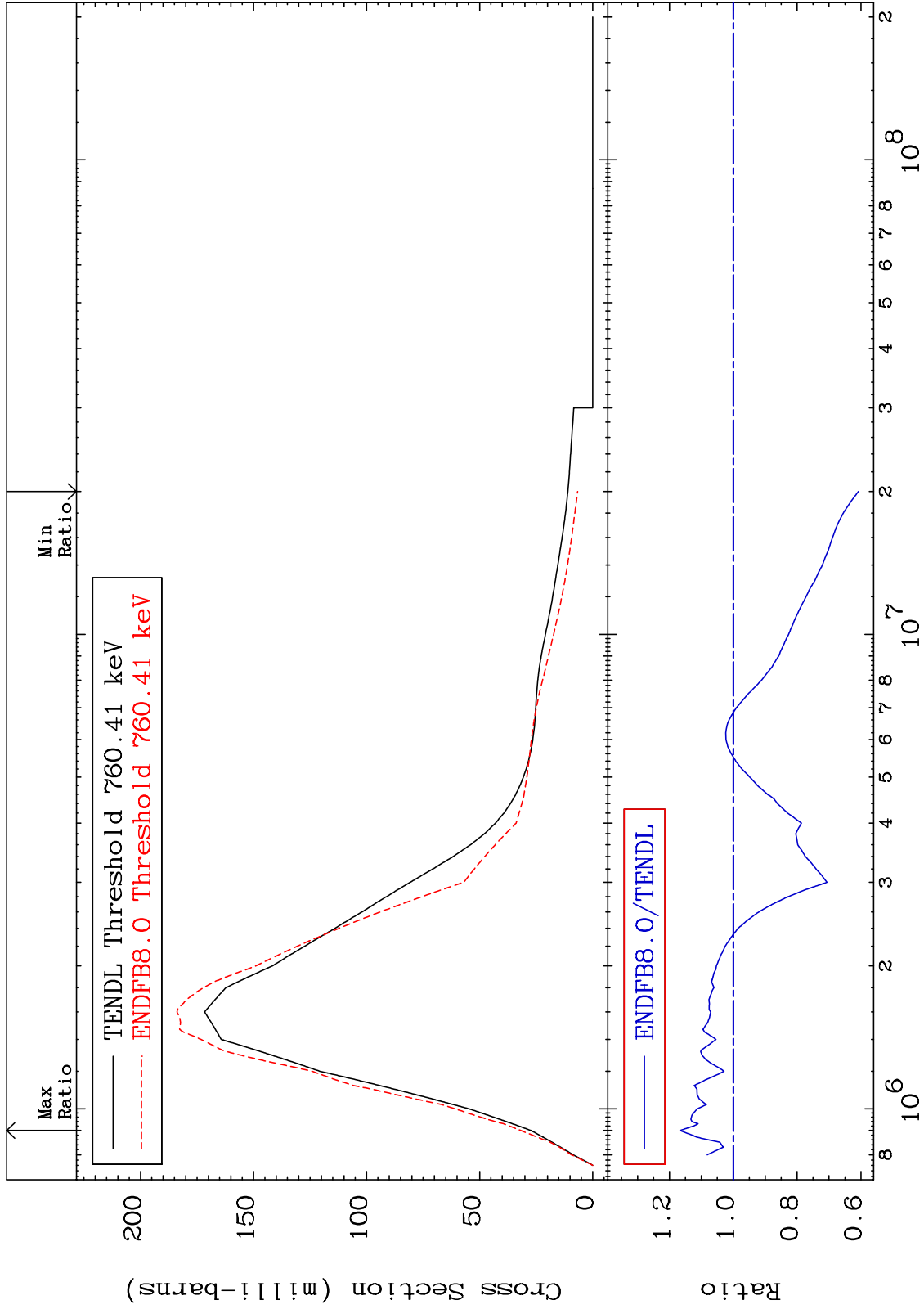
64-Gd-152
-1.194 To 9999. %



MAT 6425

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

64-Gd-152
-39.21 To 16.69 %



12

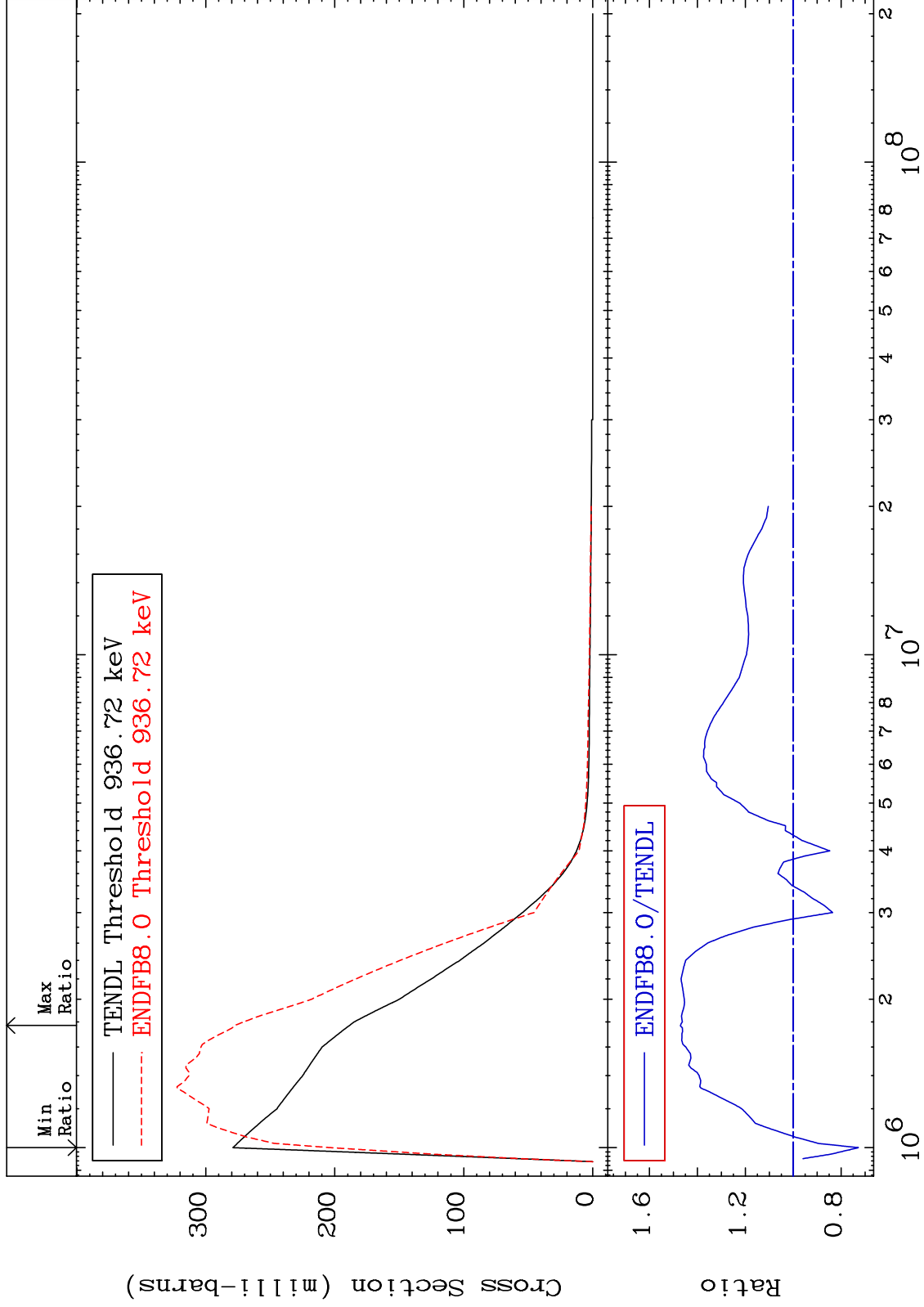
Incident Energy (eV)

64-Gd-152

MAT 6425

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

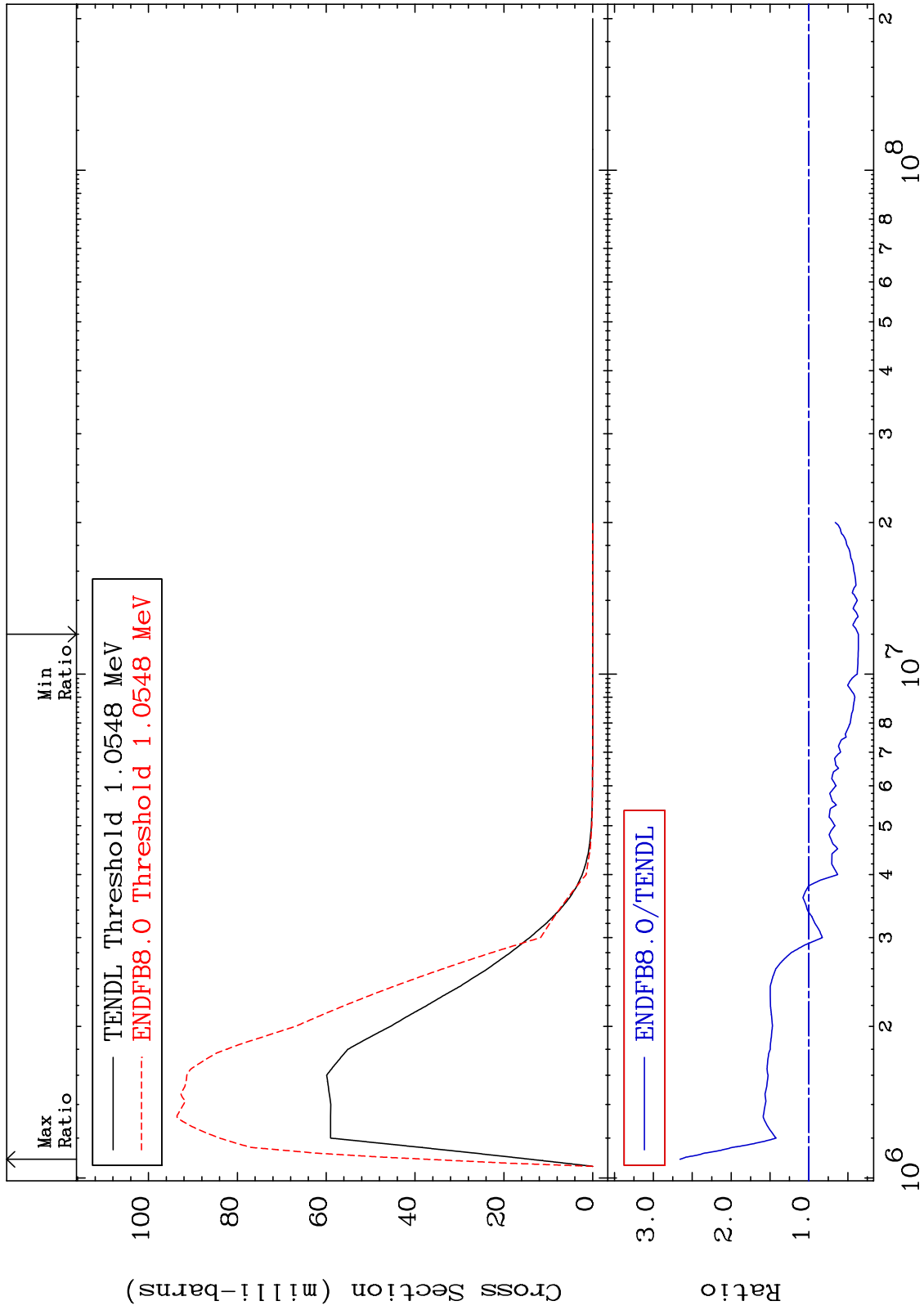
64-Gd-152
-27.18 To 47.23 %



13

64-Gd-152

MAT 6425 MT= 55 (n,n') Level
Cross Section 64-Gd-152
-63.63 To 165.7 %

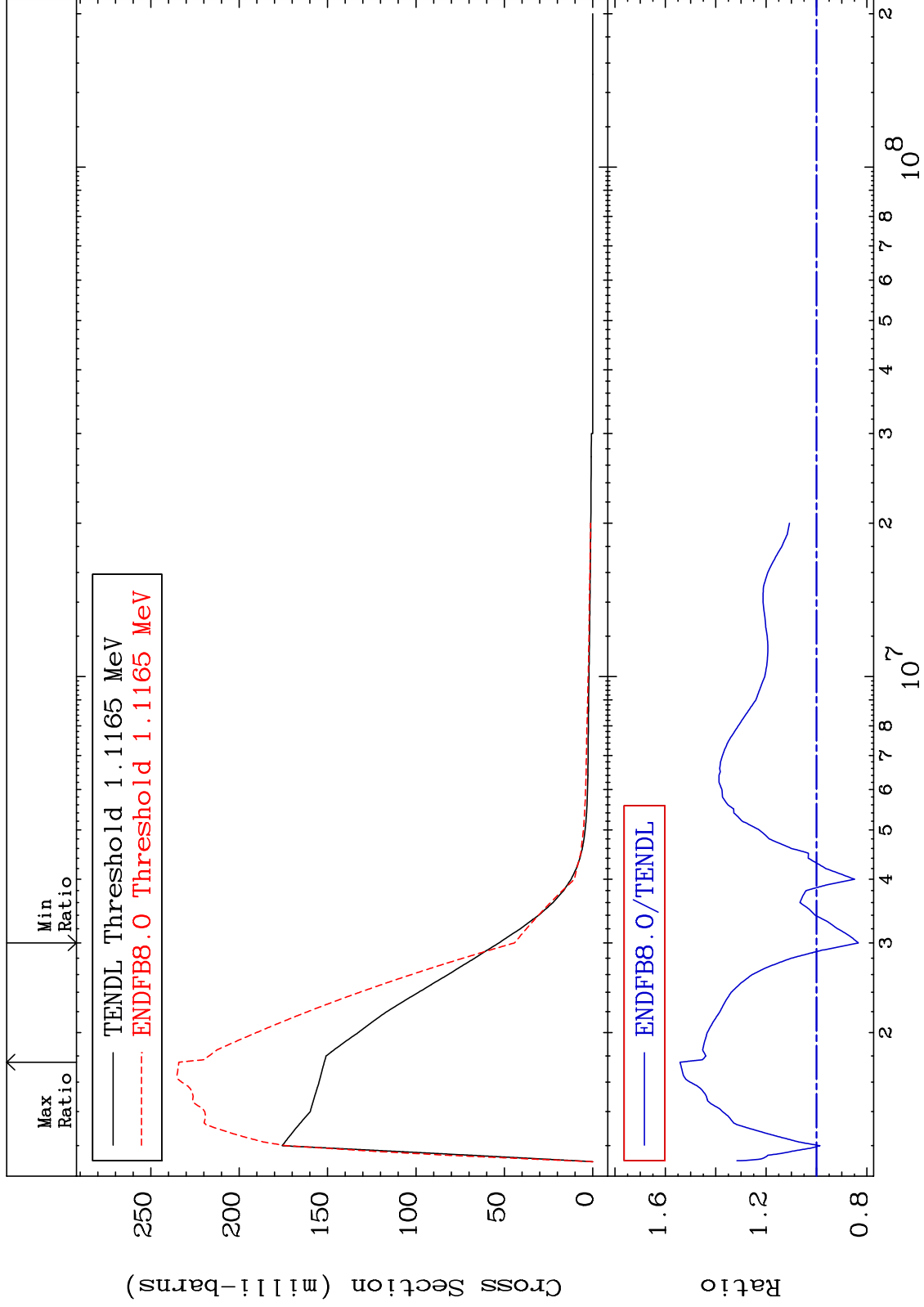


64-Gd-152

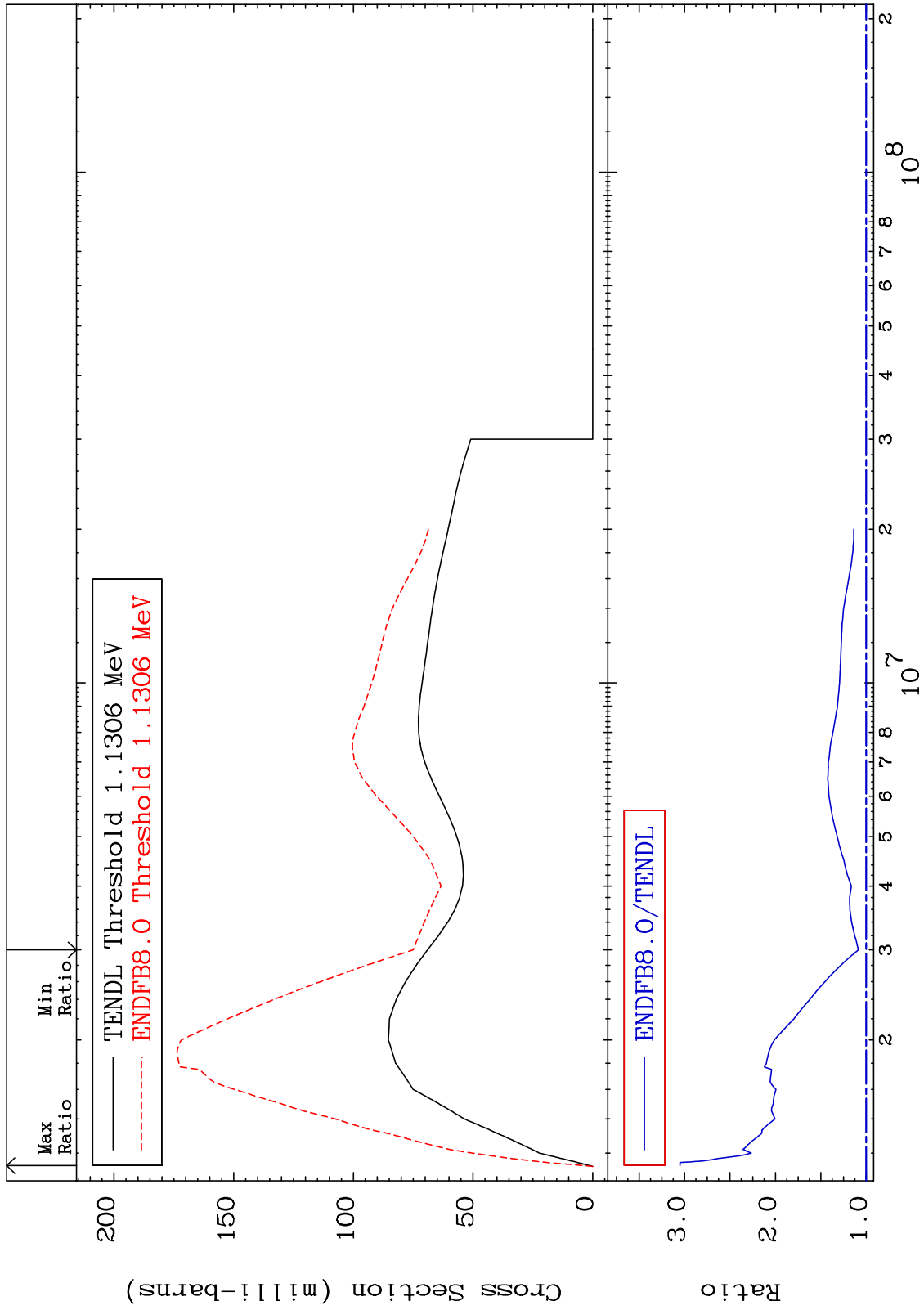
MAT 6425

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

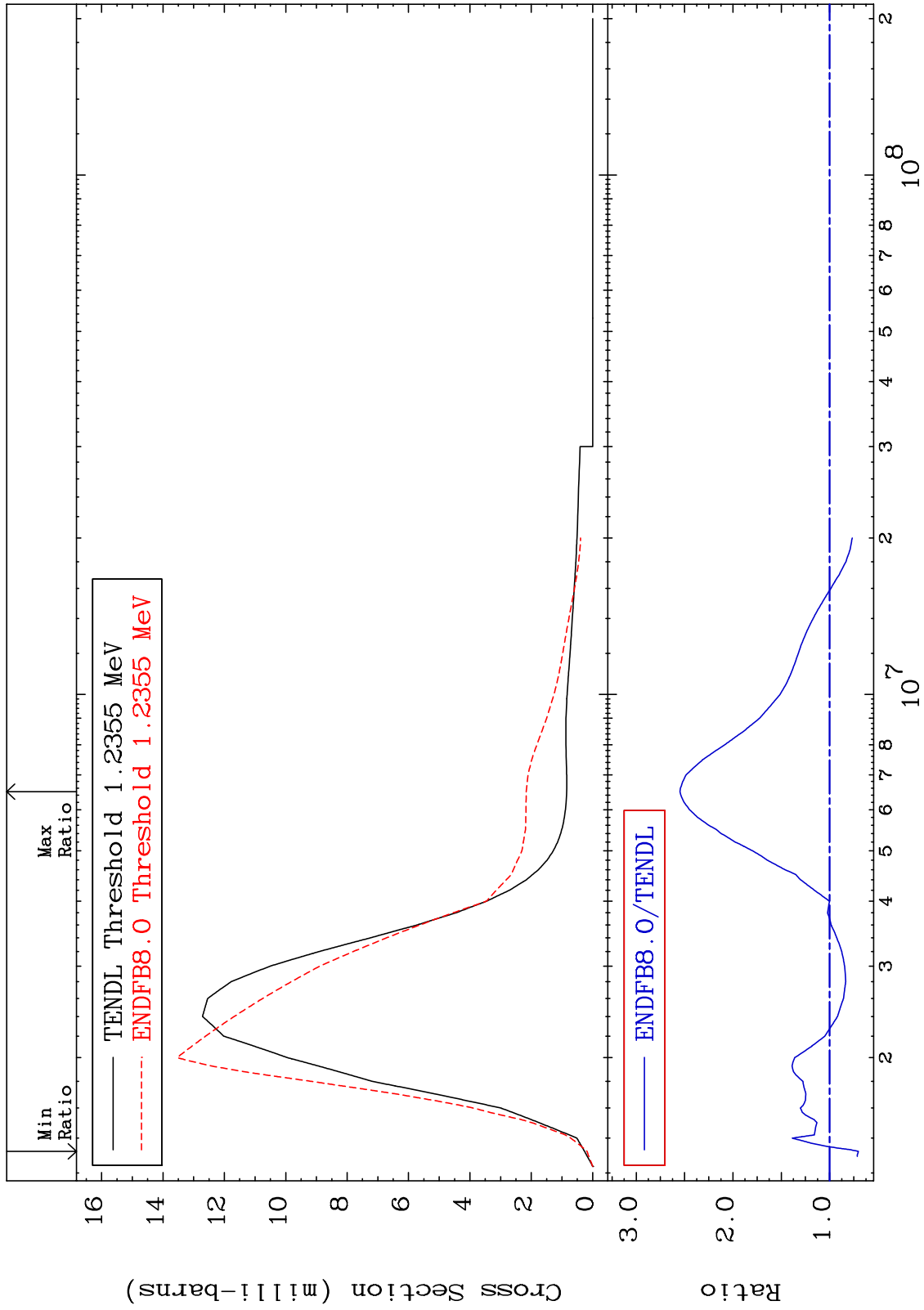
64-Gd-152
-16.62 To 54.21 %



MAT 6425 MT= 57 (n,n') Level Cross Section 64-Gd-152 8.681 To 205.0 %



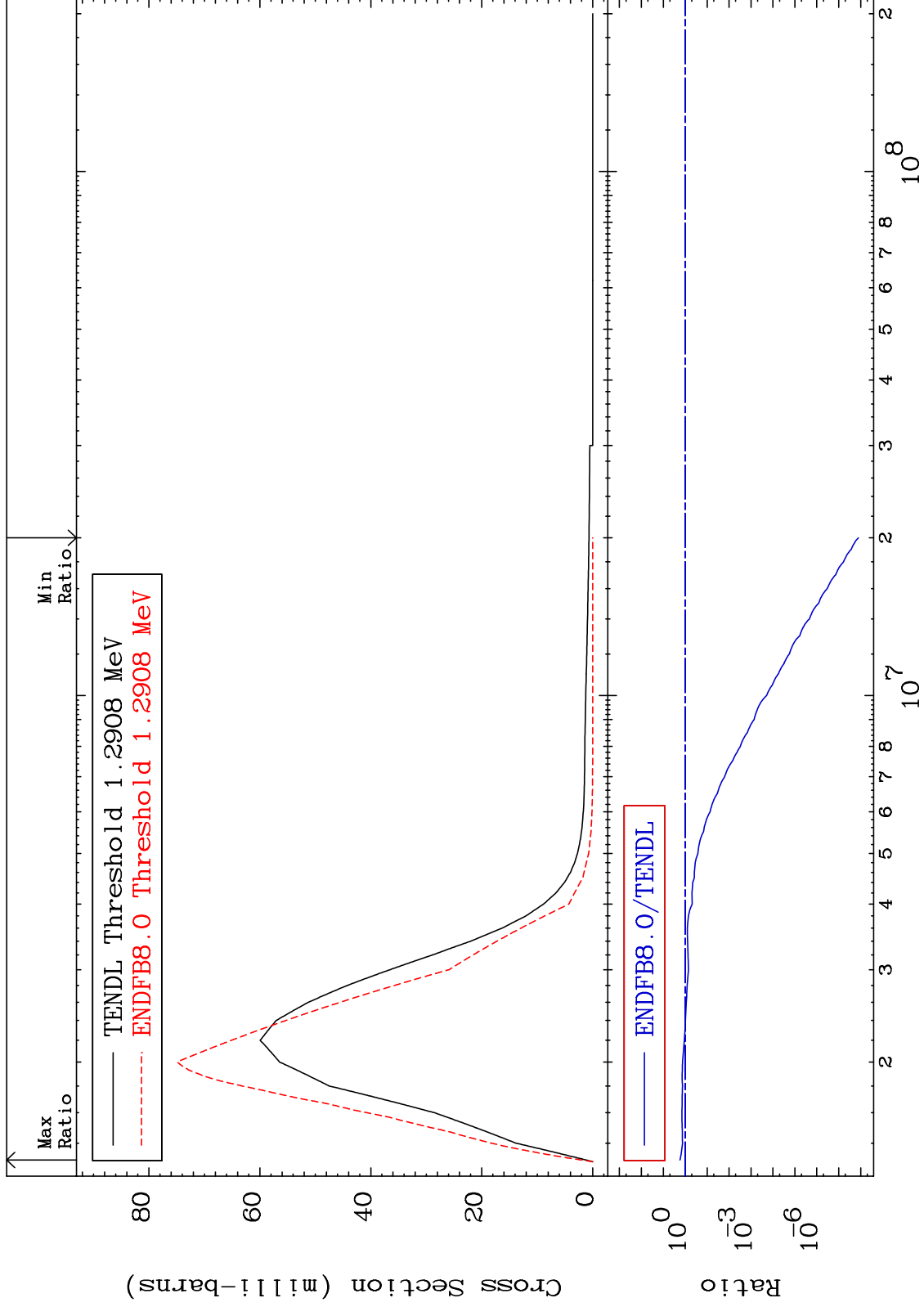
MAT 6425 MT= 58 (n,n') Level Cross Section 64-Gd-152
 -29.76 To 154.7 %



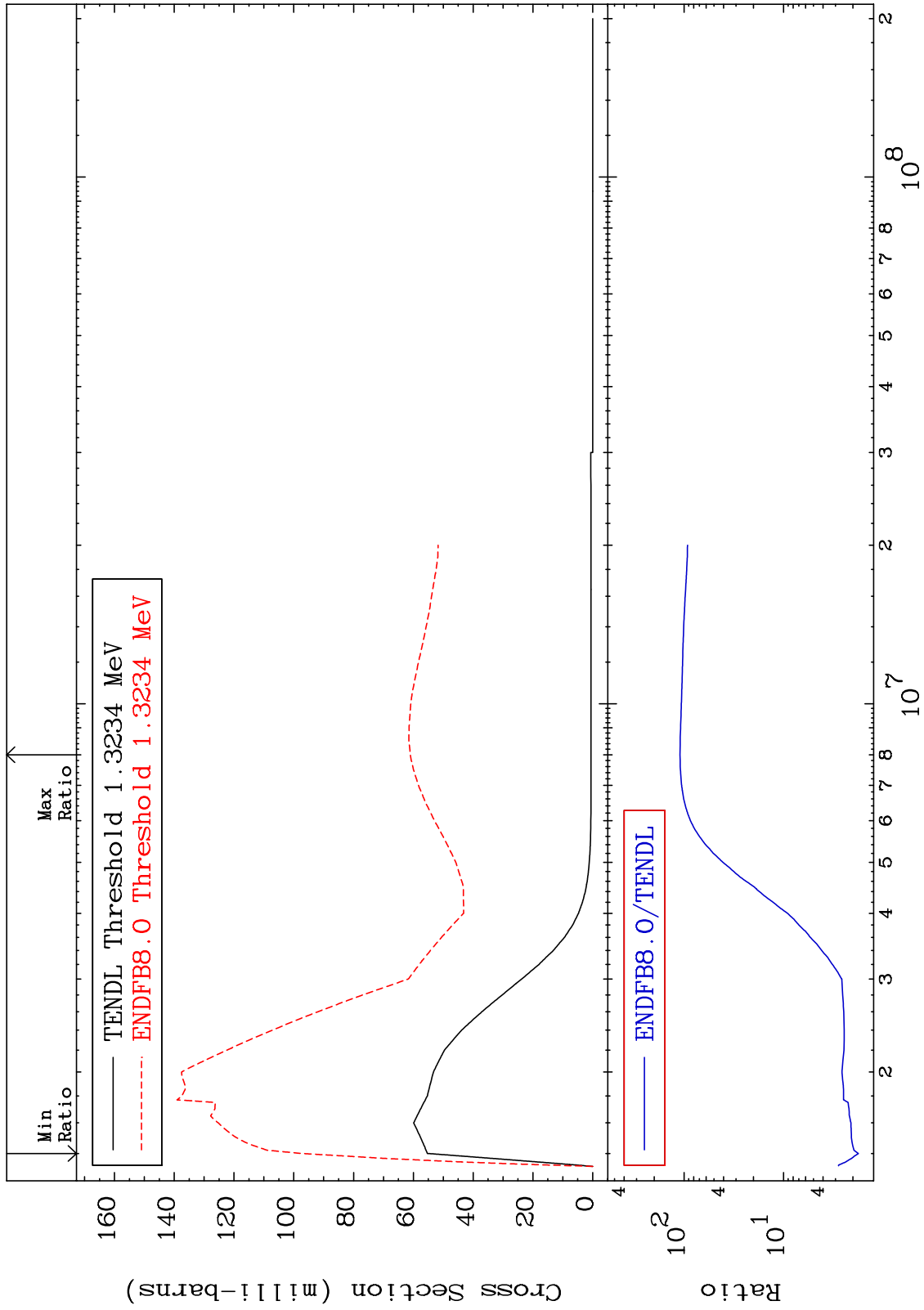
MAT 6425

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

64-Gd-152
-100.0 To 72.46 %



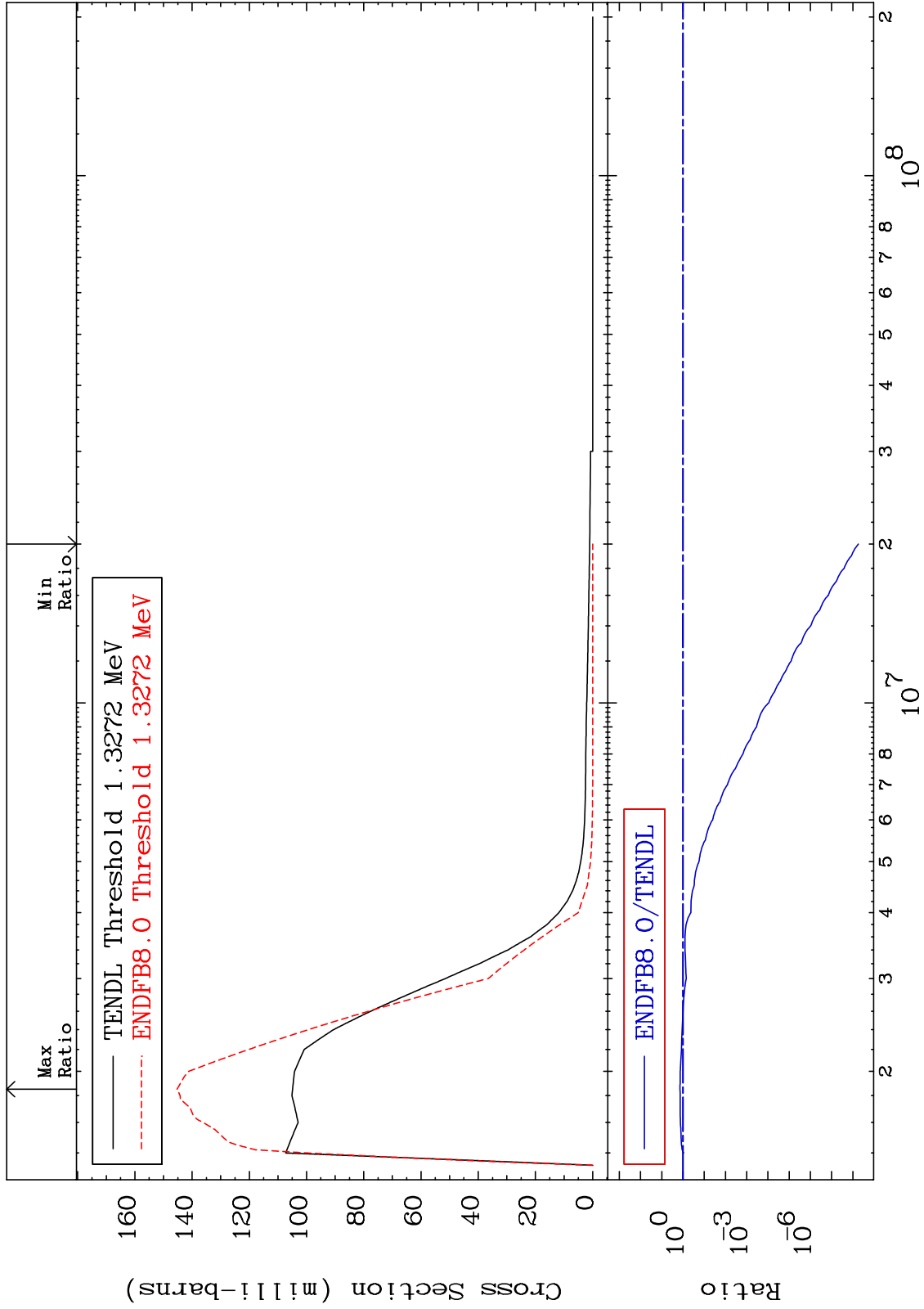
MAT 6425 MT= 60 (n,n') Level Cross Section 64-Gd-152 76.35 To 9999. %



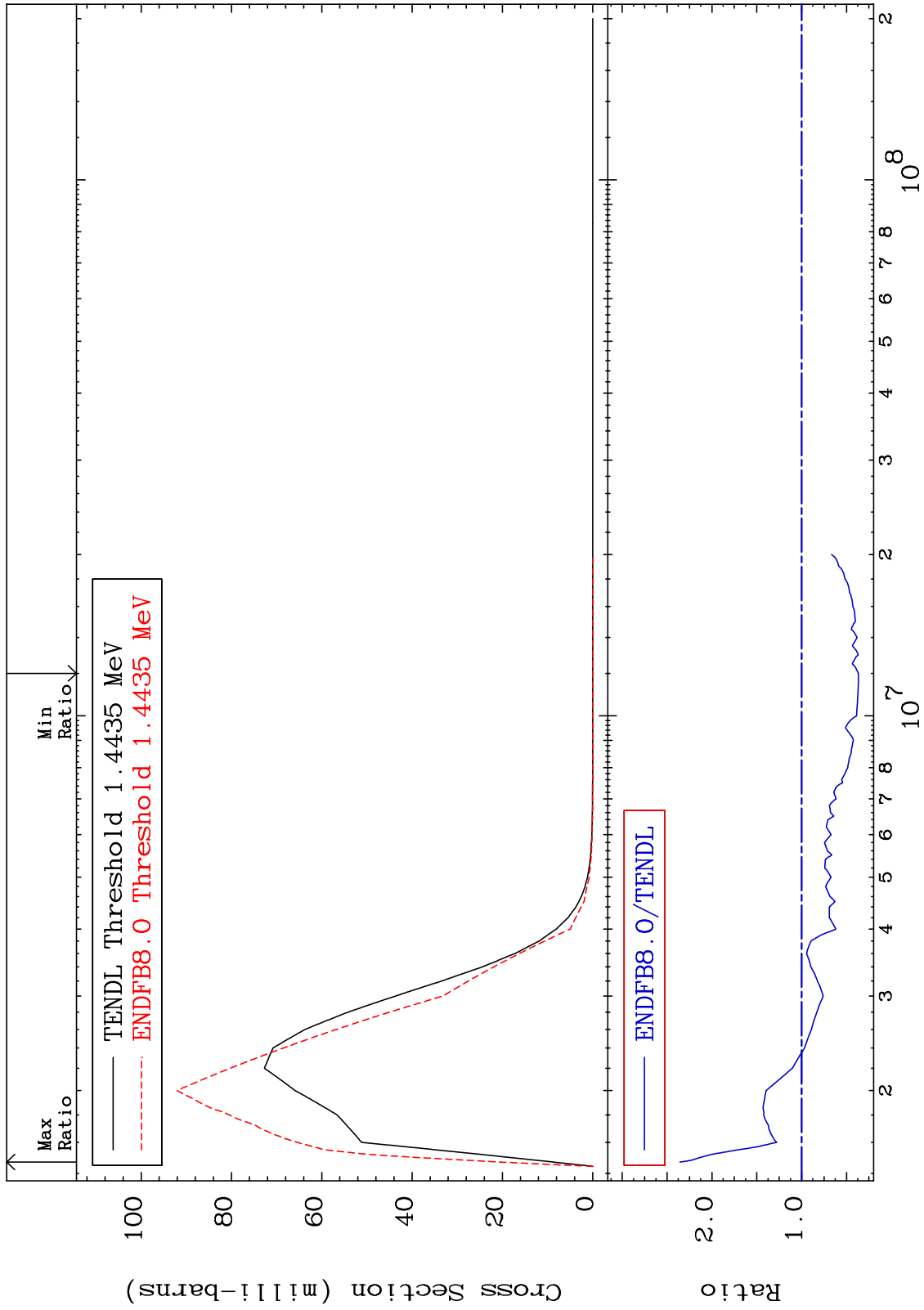
MAT 6425

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

64-Gd-152
-100.0 To 38.49 %



MAT 6425 MT= 62 (n,n') Level
 Cross Section 64-Gd-152
 -63.29 To 135.6 %



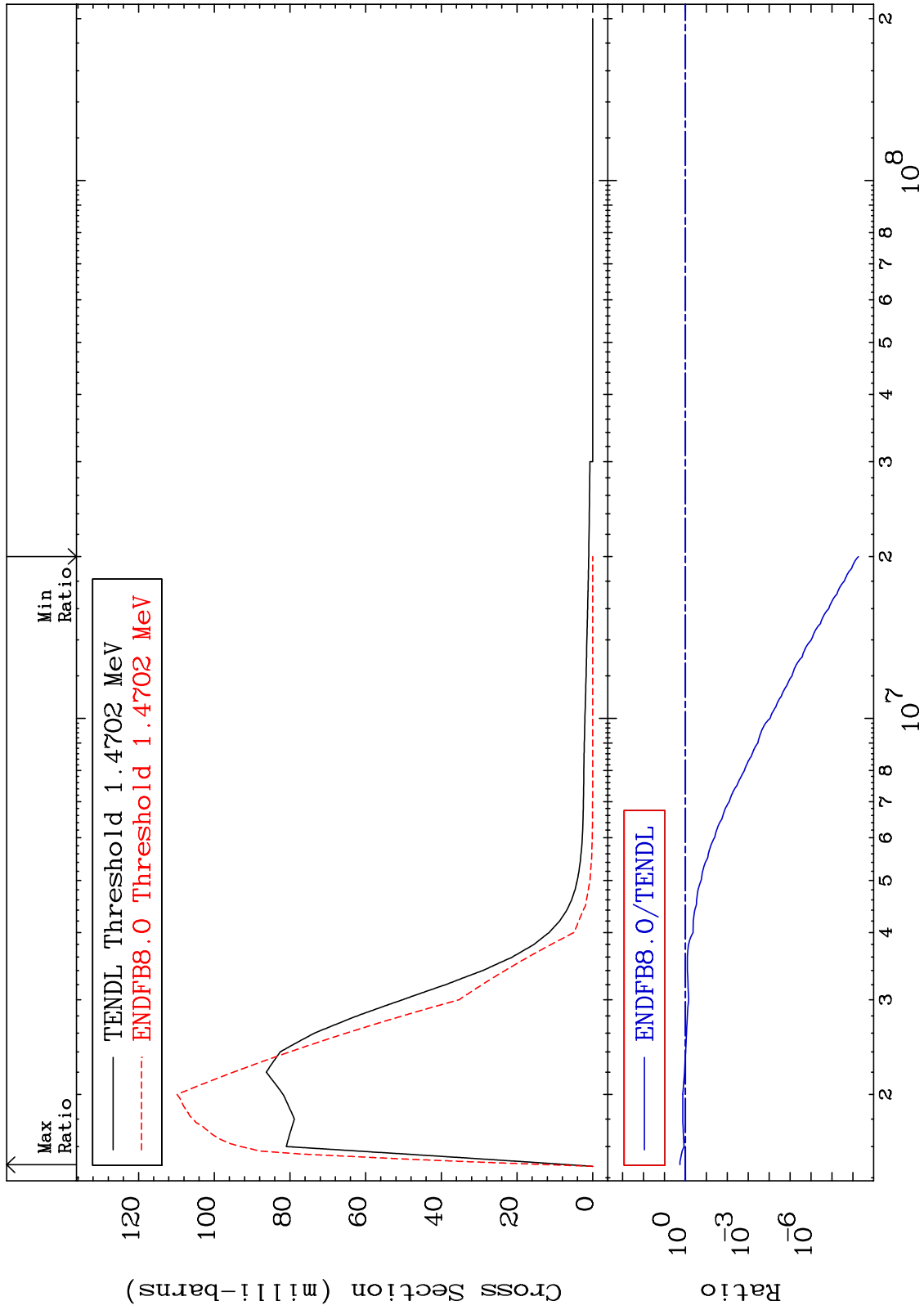
64-Gd-152

Incident Energy (eV)

MAT 6425

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

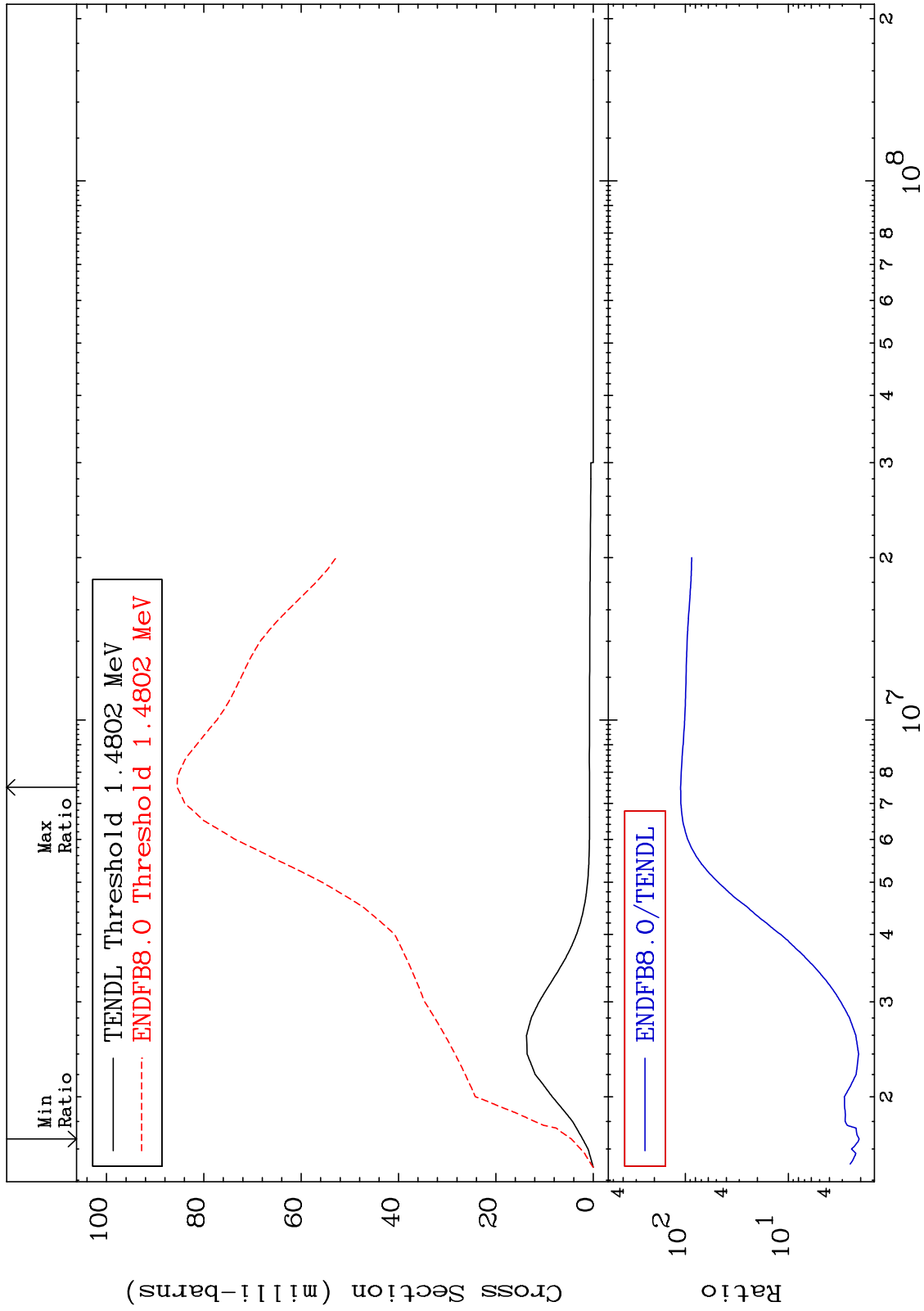
64-Gd-152
-100.0 To 80.36 %



MAT 6425

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

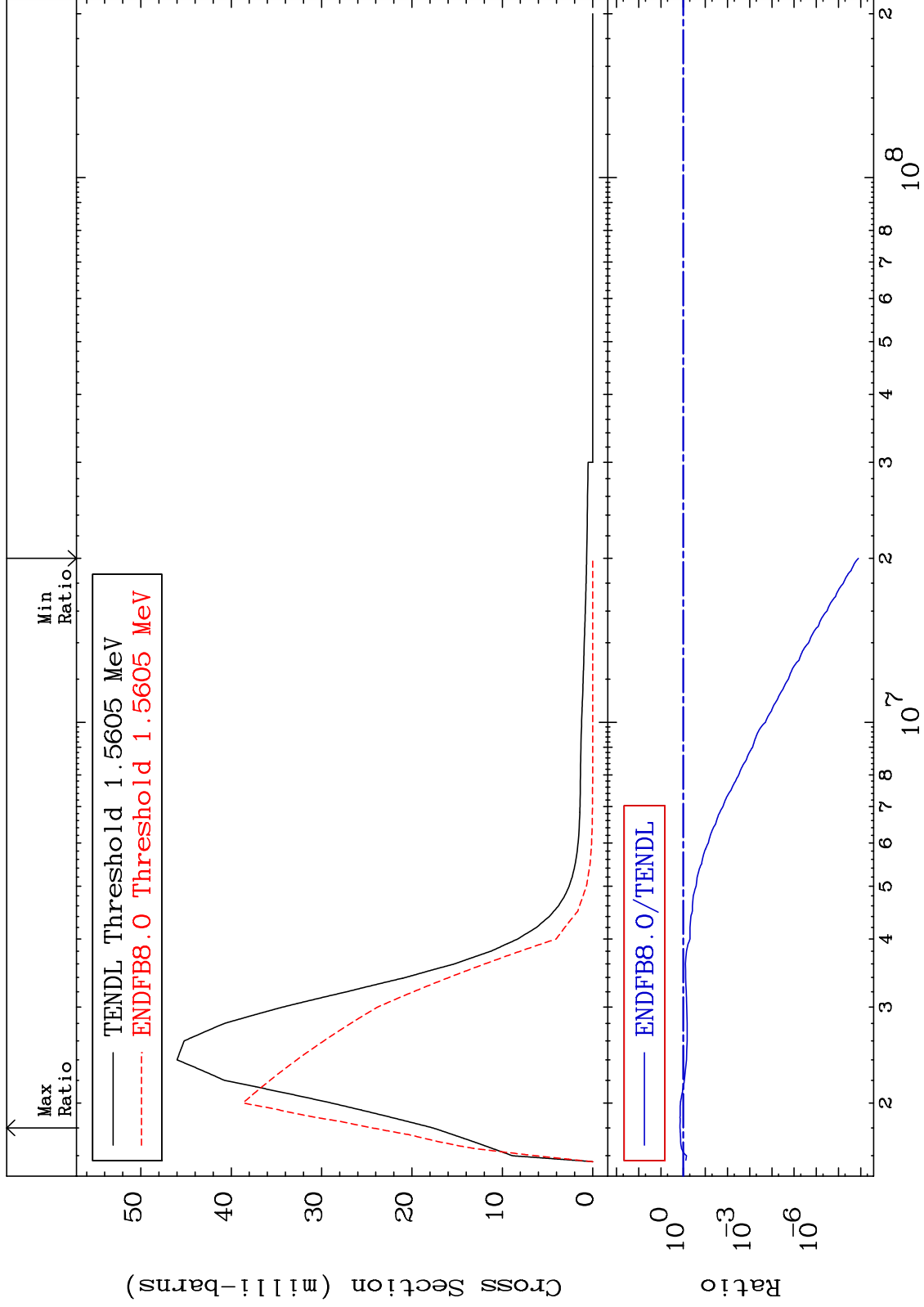
64-Gd-152
106.3 To 9999. %



MAT 6425

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

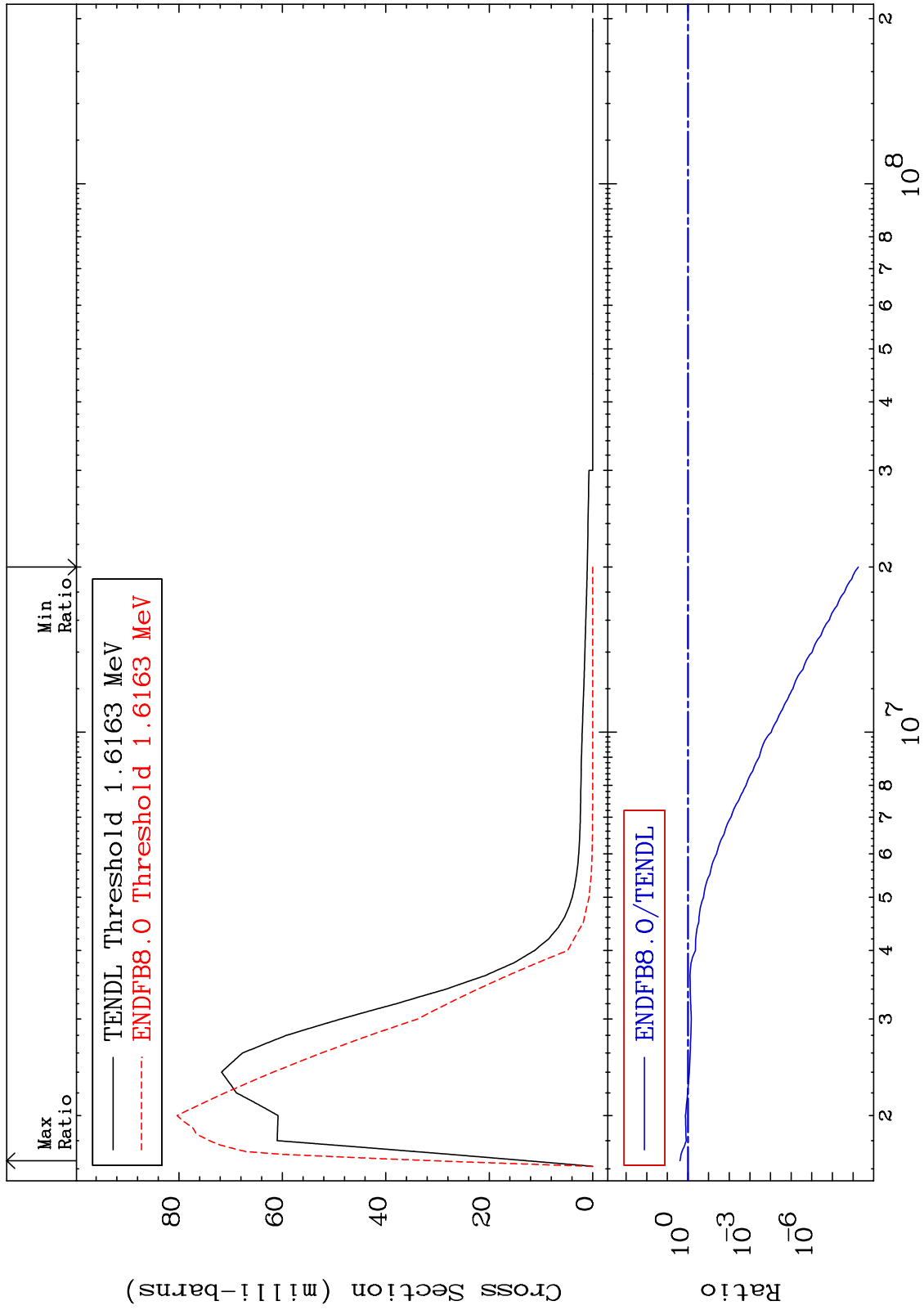
64-Gd-152
-100.0 To 37.91 %



MAT 6425

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

64-Gd-152
-100.0 To 142.7 %

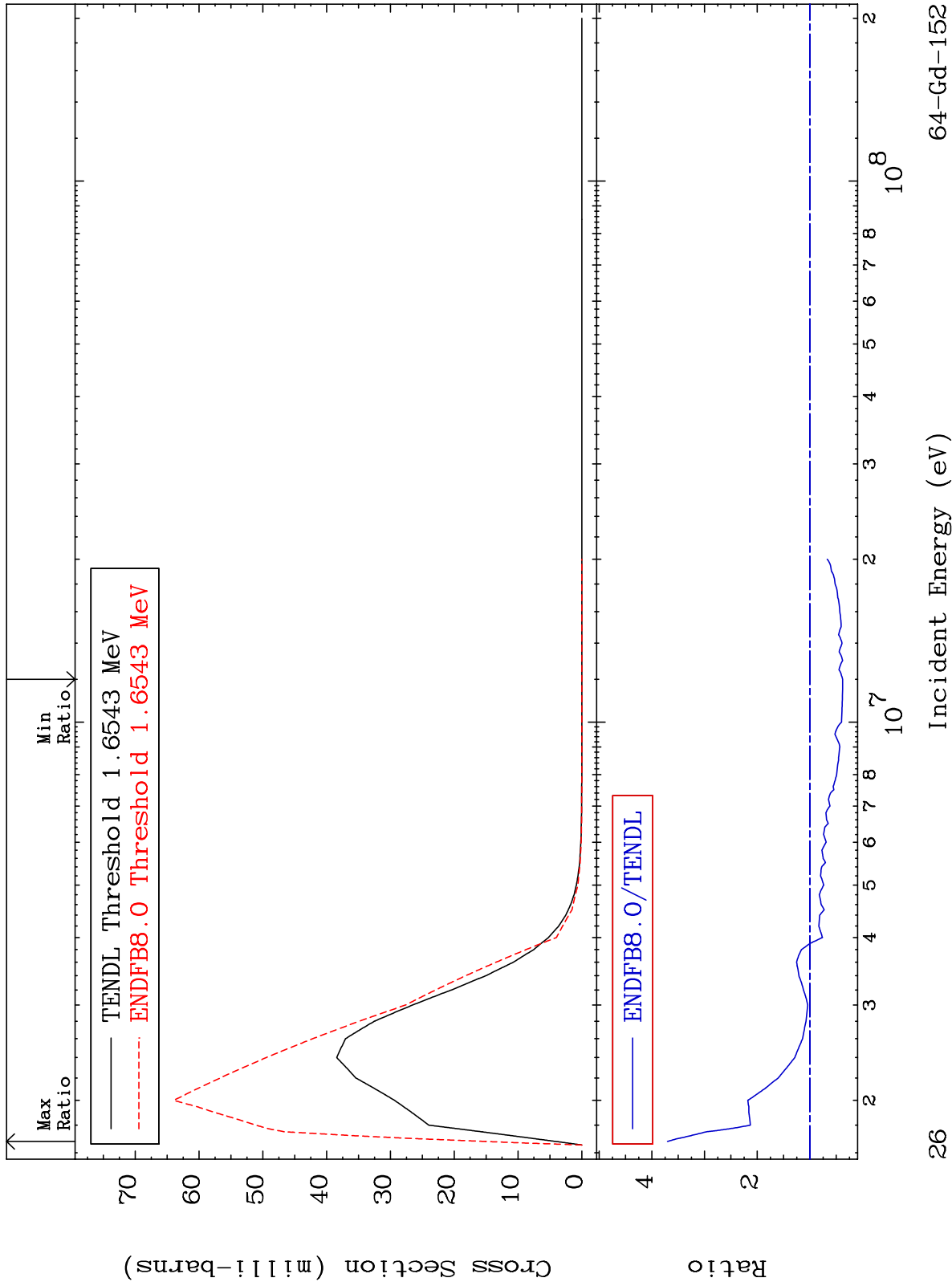


25

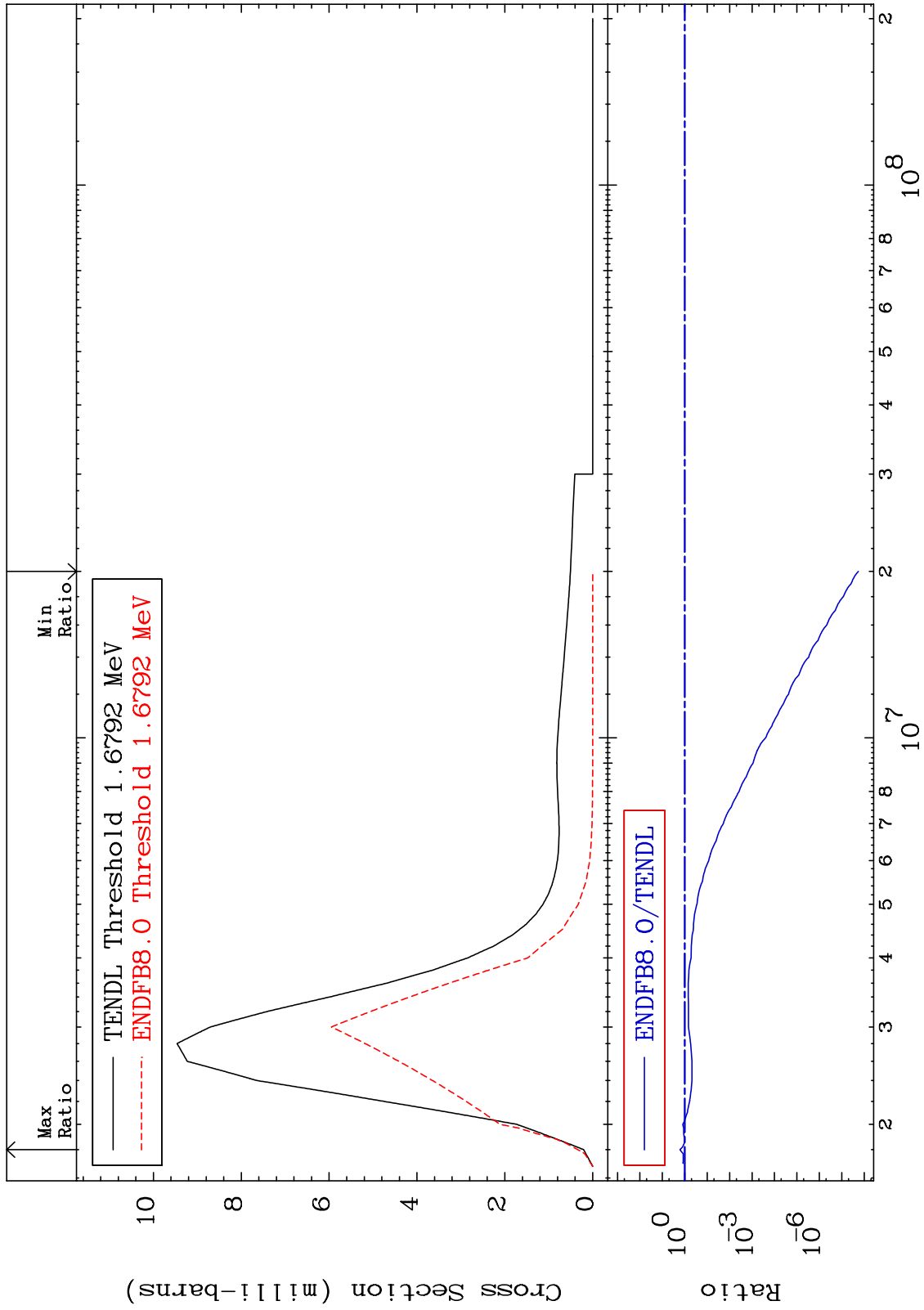
Incident Energy (eV)

64-Gd-152

MAT 6425 MT= 67 (n,n') Level Cross Section 64-Gd-152 -62.27 To 270.3 %



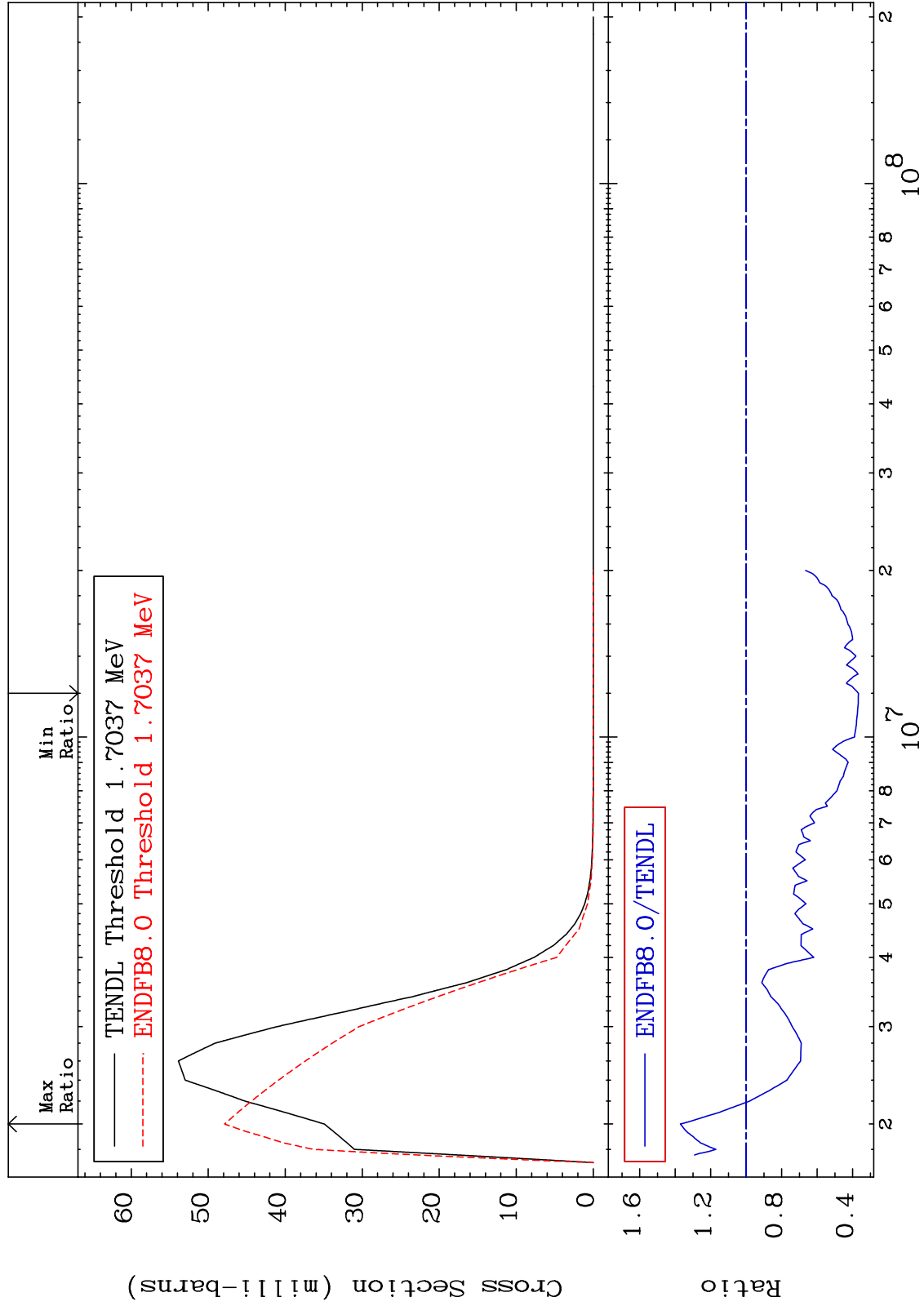
MAT 6425 MT= 68 (n,n') Level
 Cross Section 64-Gd-152
 -100.0 To 62.96 %



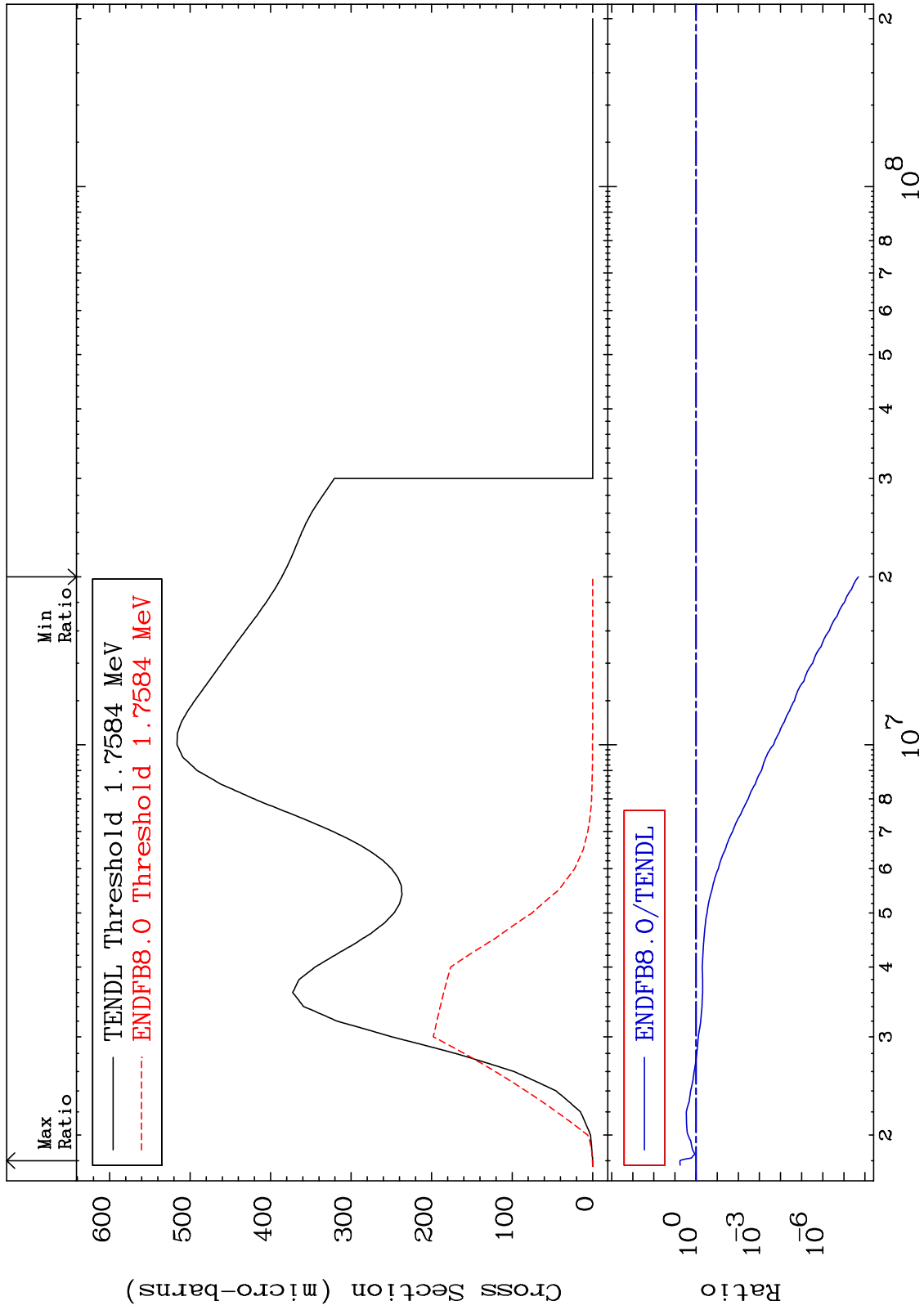
MAT 6425

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

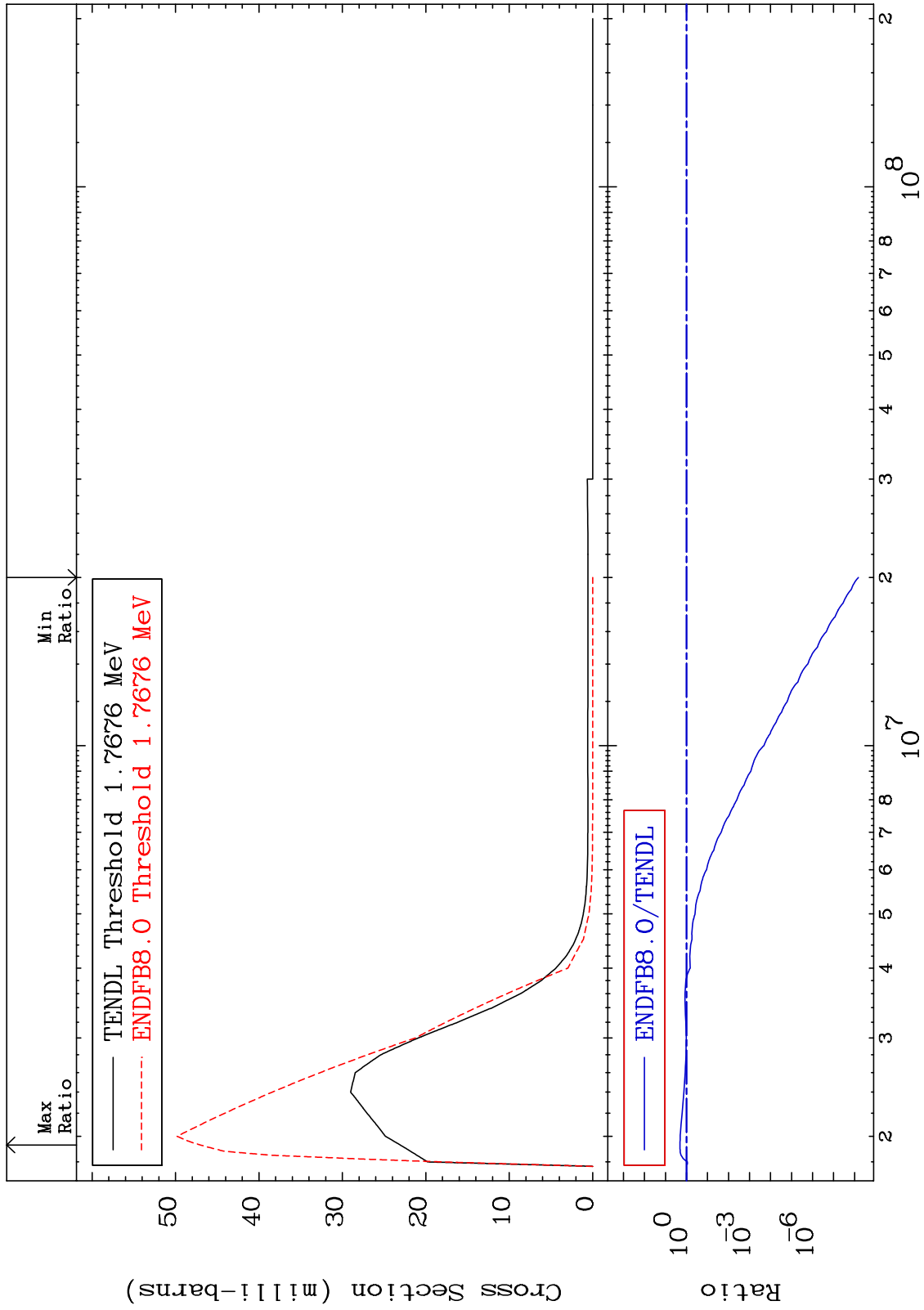
64-Gd-152
-63.31 To 37.07 %



MAT 6425 MT= 70 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 478.3 %



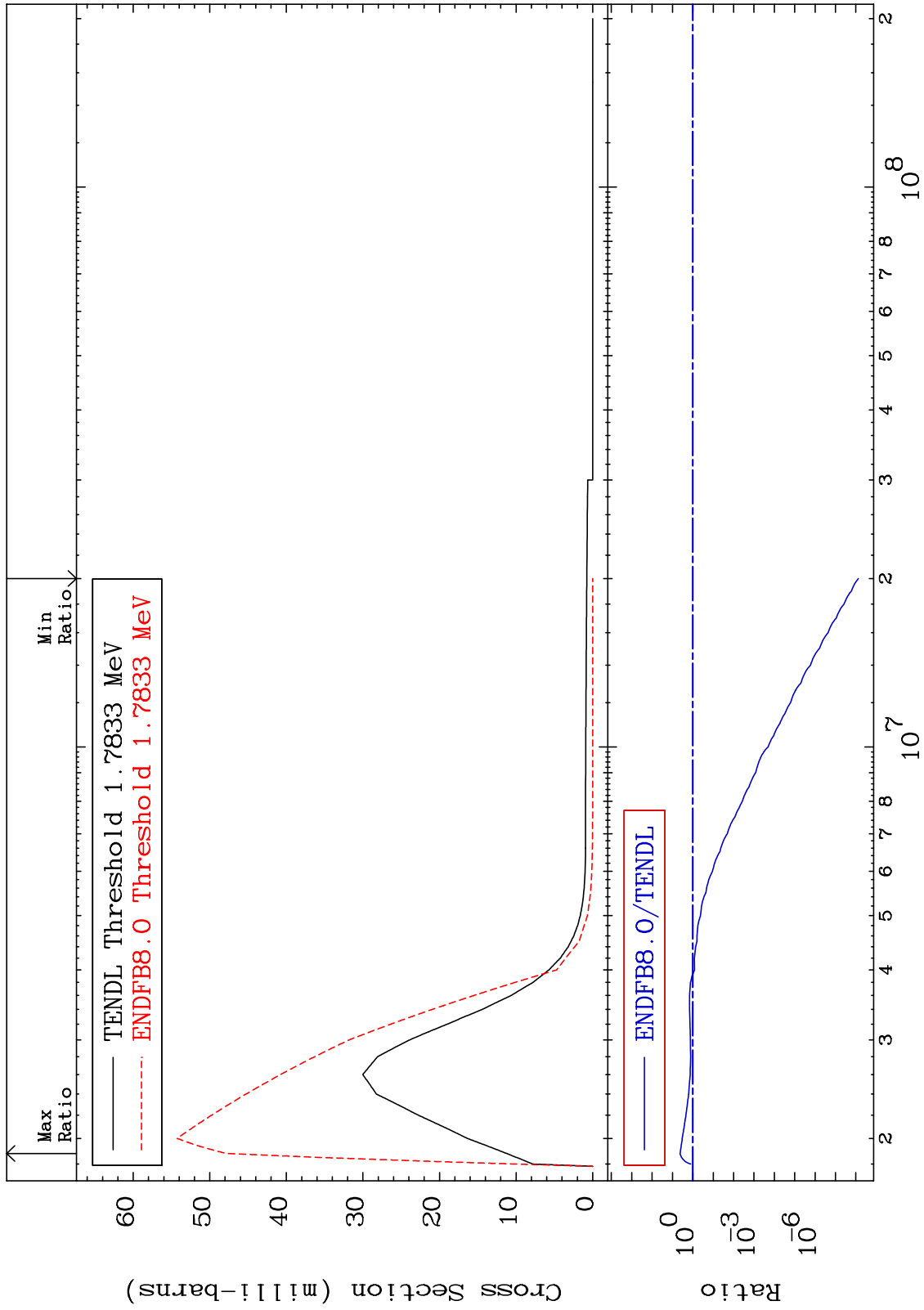
MAT 6425 MT= 71 (n,n') Level
Cross Section 64-Gd-152
-100.0 To 103.9 %



MAT 6425

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

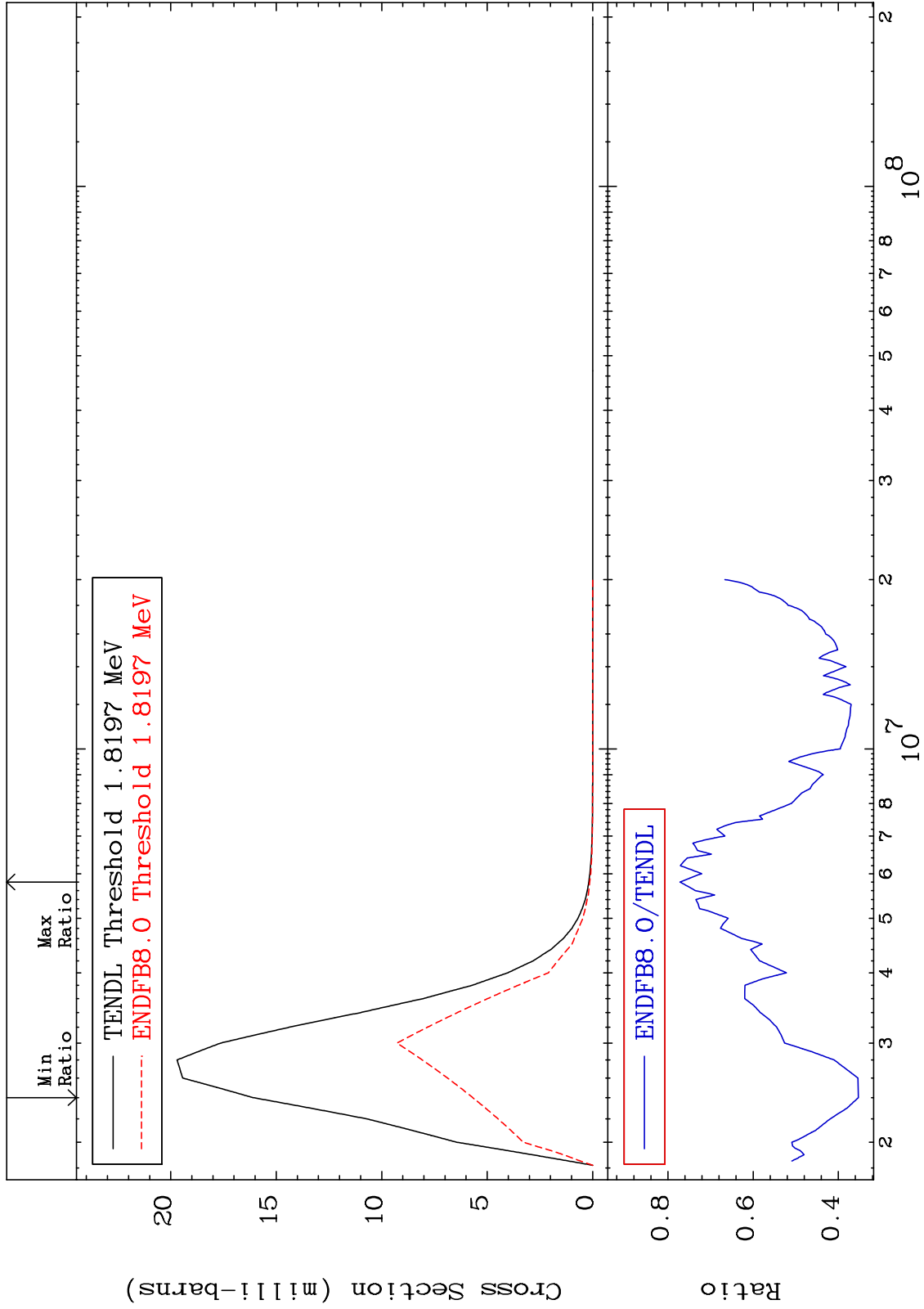
64-Gd-152
-100.0 To 325.7 %



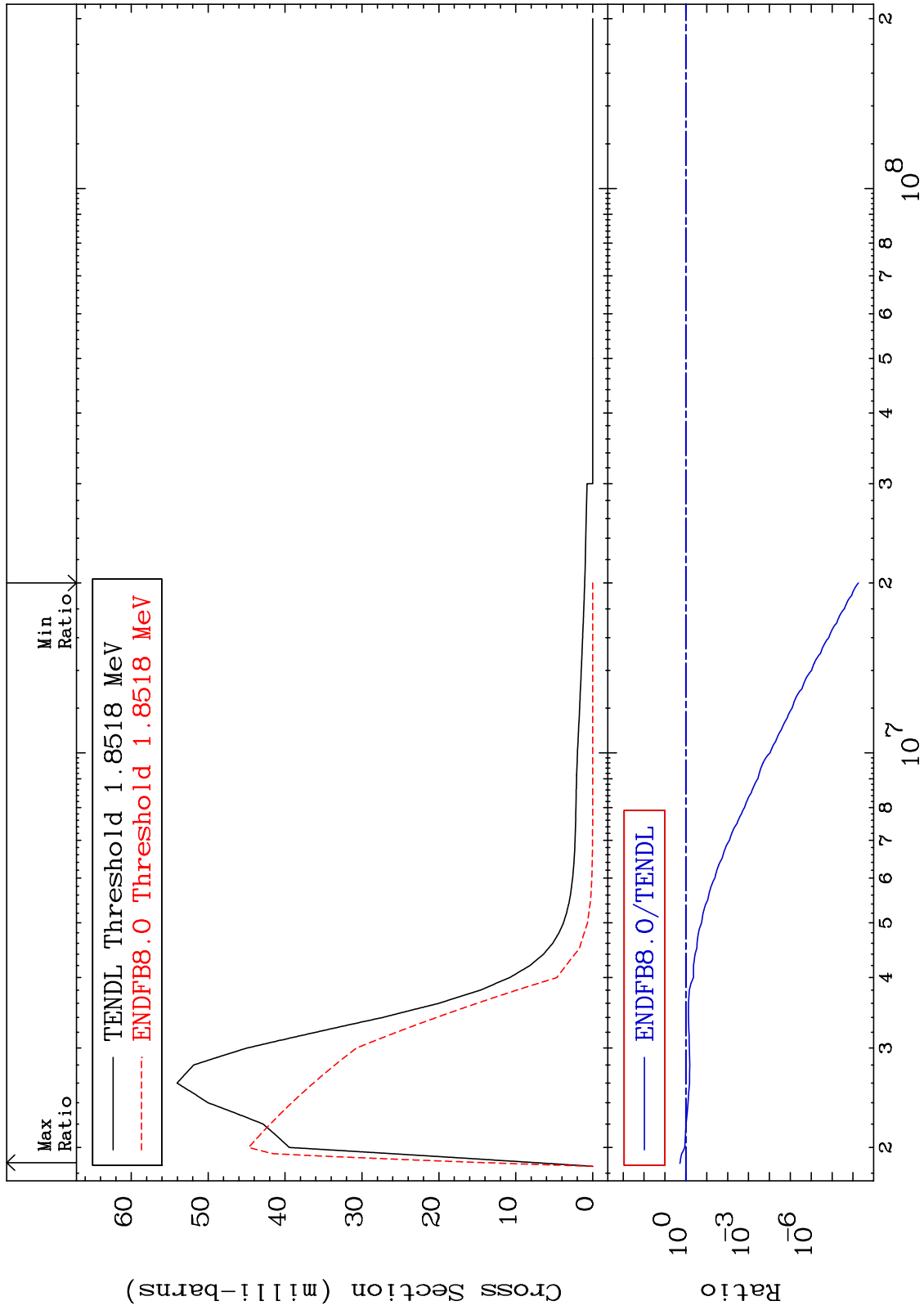
MAT 6425

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

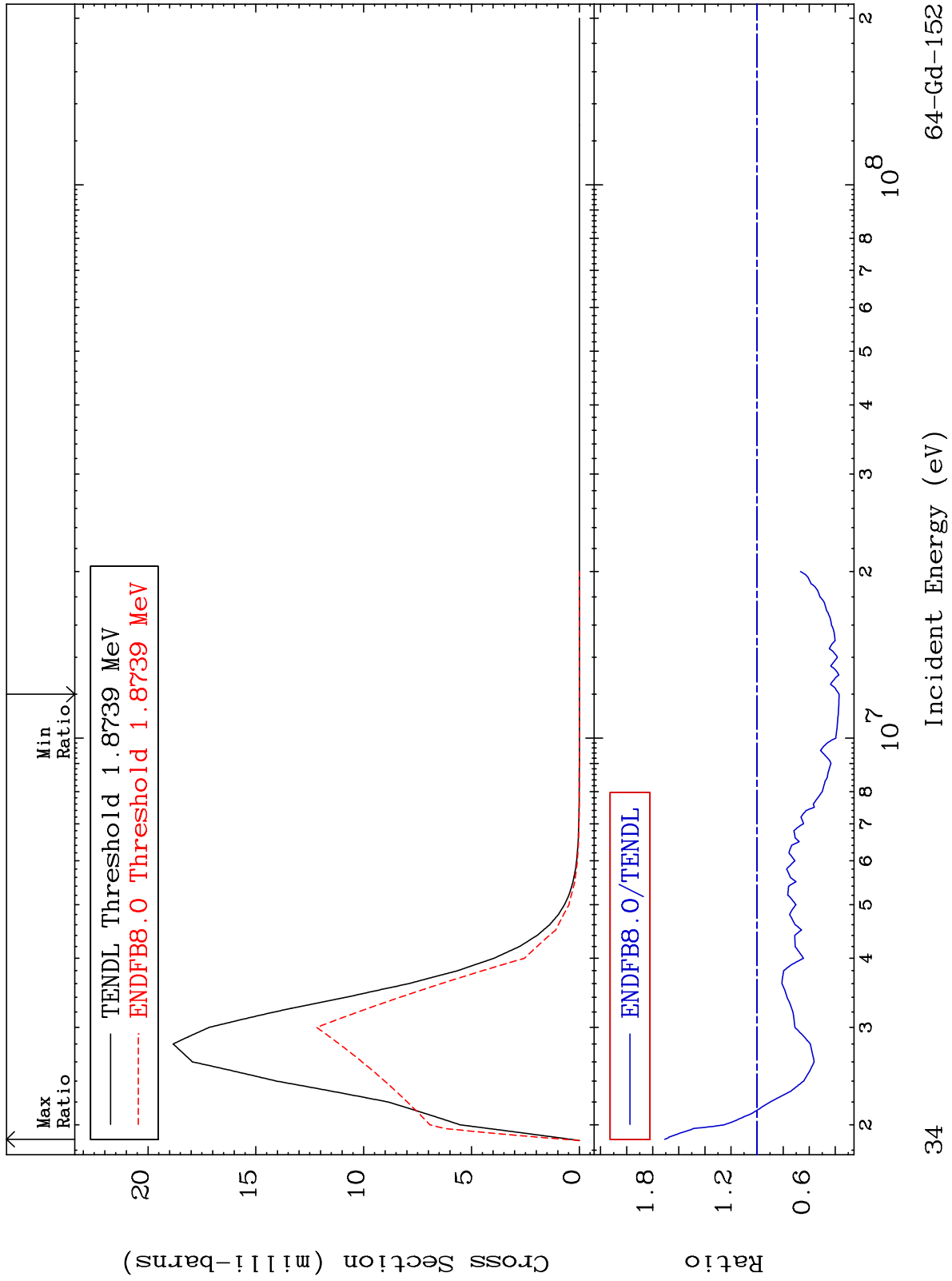
64-Gd-152
-64.71 To -22.84%



MAT 6425 MT= 74 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 90.15 %



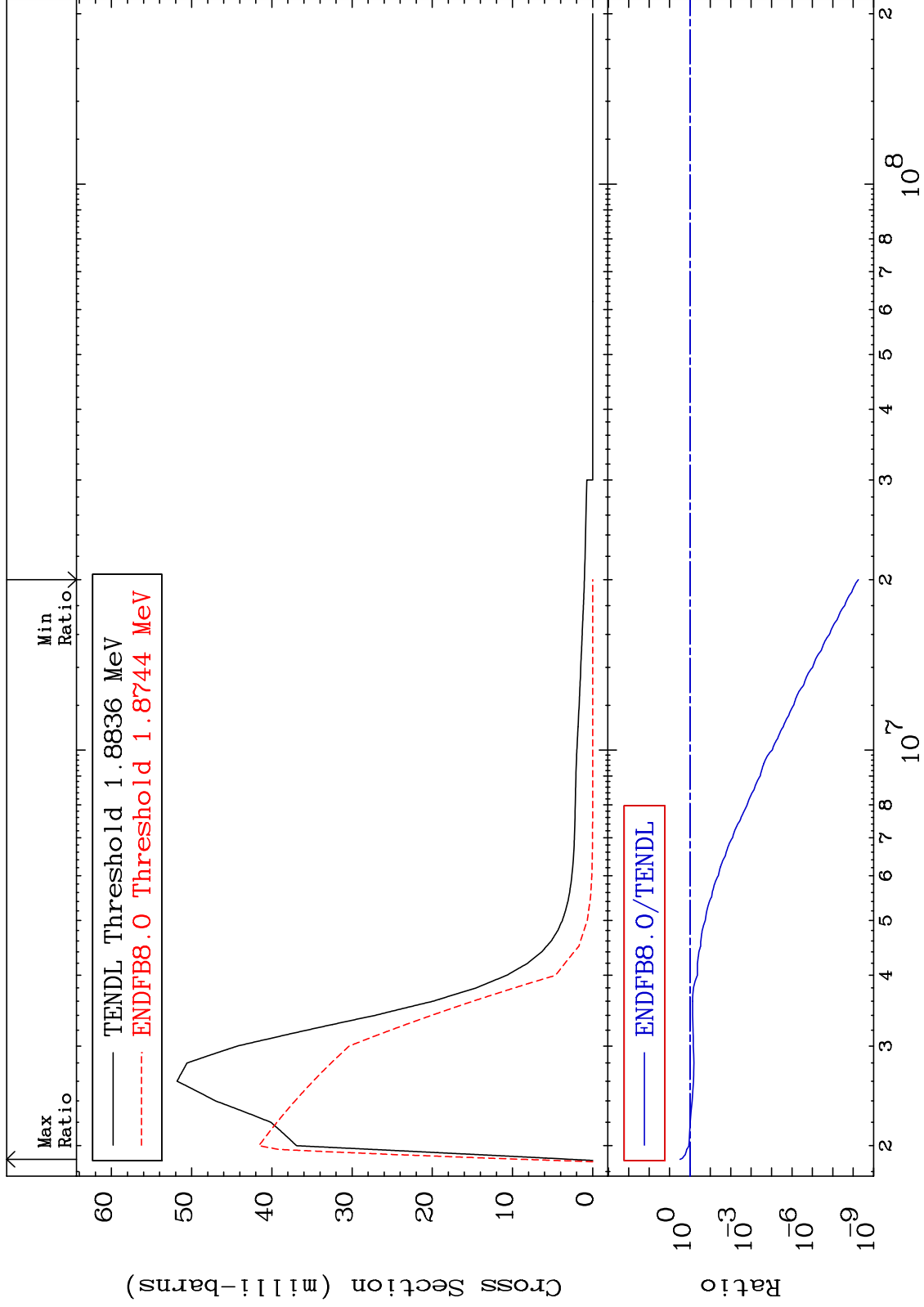
MAT 6425 MT= 75 (n,n') Level Cross Section 64-Gd-152
 -62.95 To 70.79 %



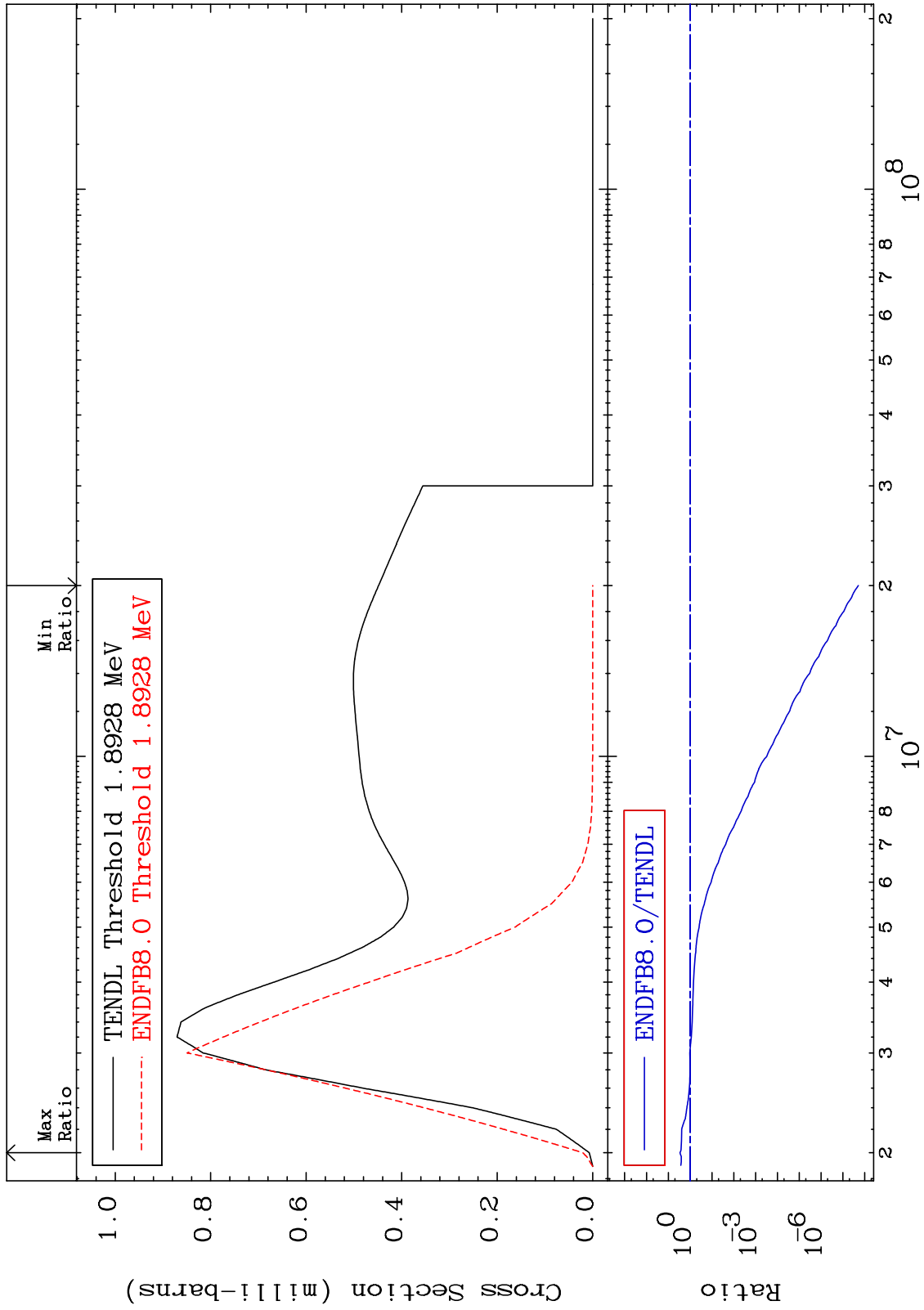
MAT 6425

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

64-Gd-152
-100.0 To 207.2 %



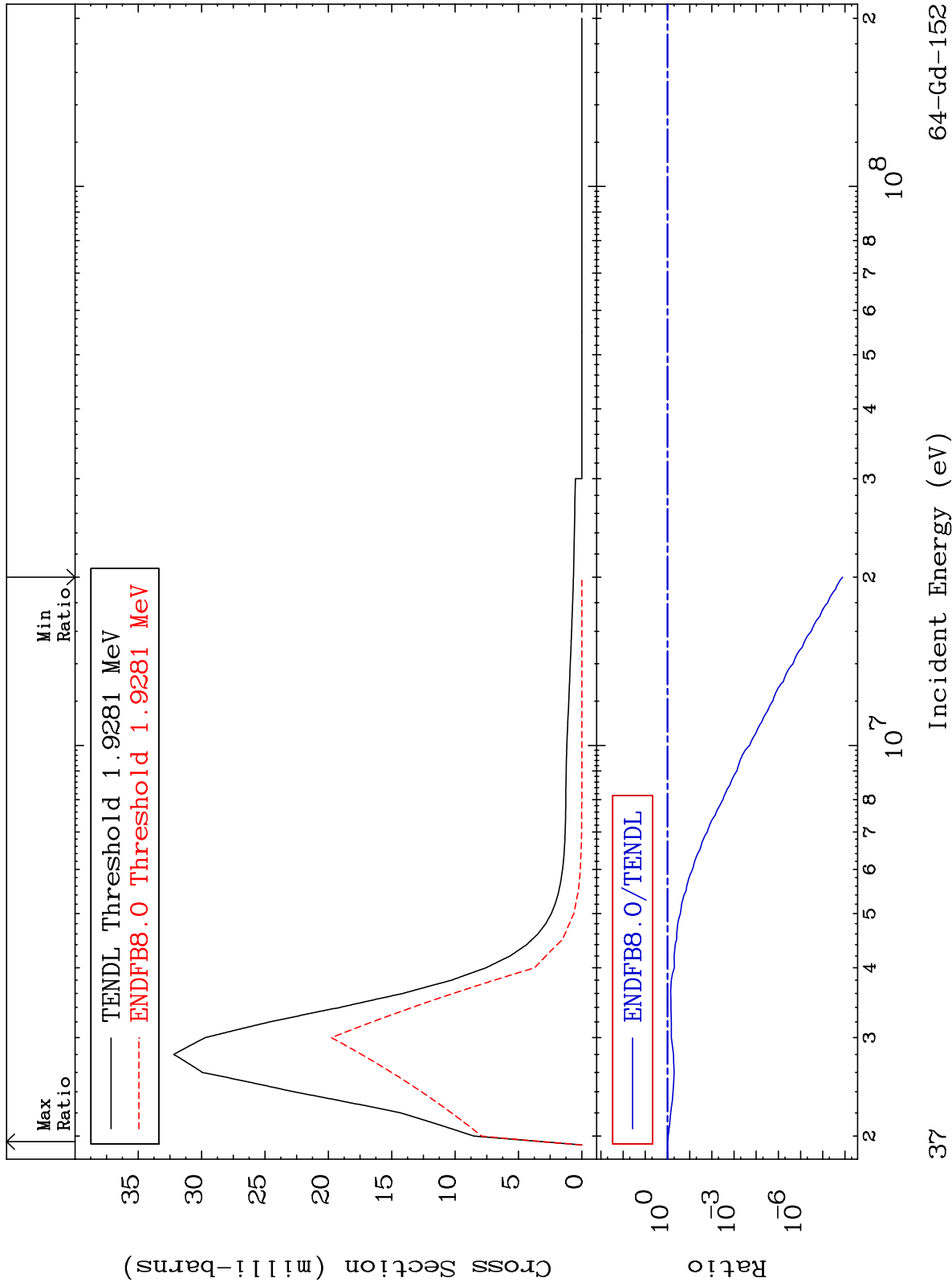
MAT 6425 MT= 77 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 190.4 %



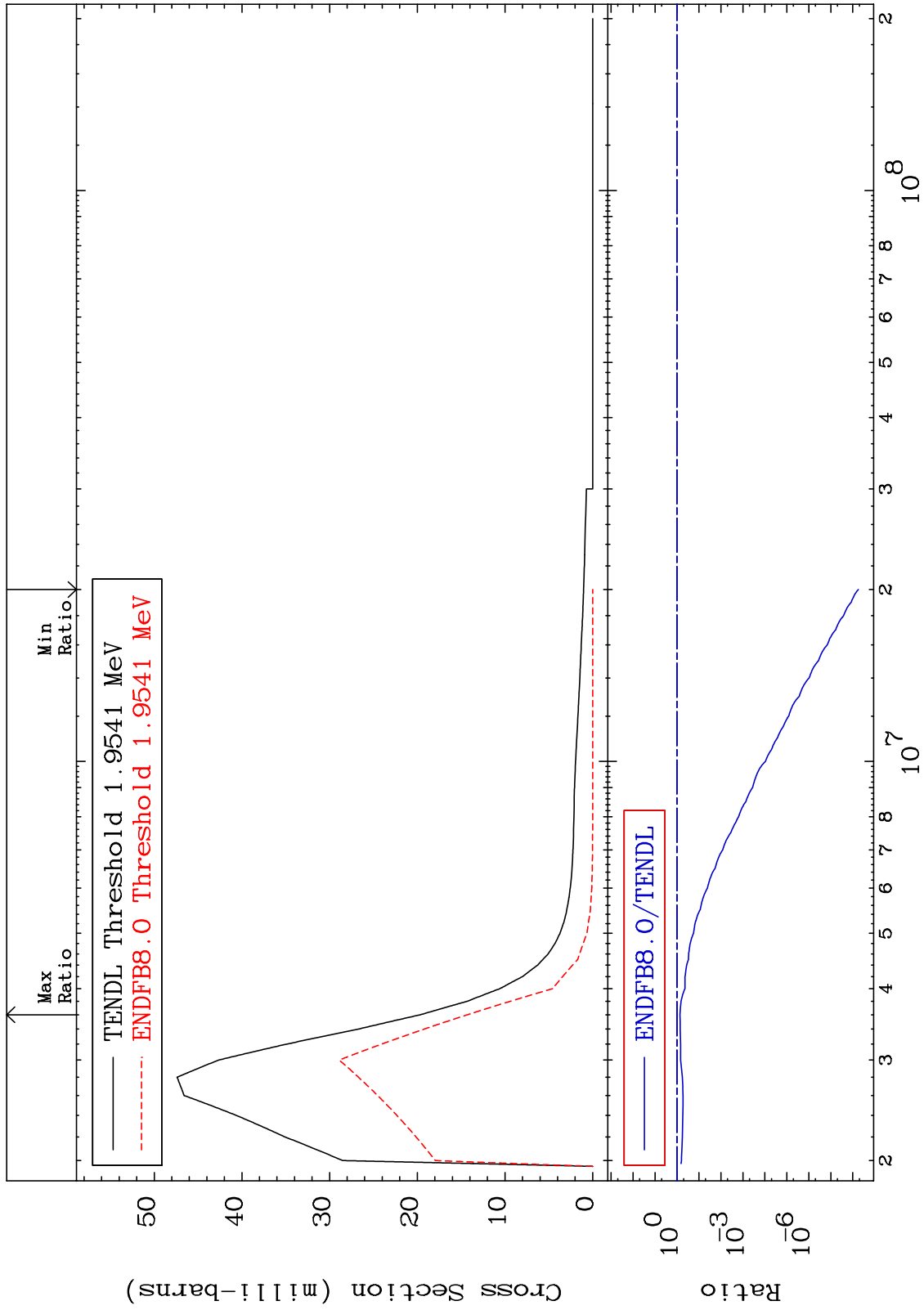
MAT 6425

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

64-Gd-152
-100.0 To -0.623%



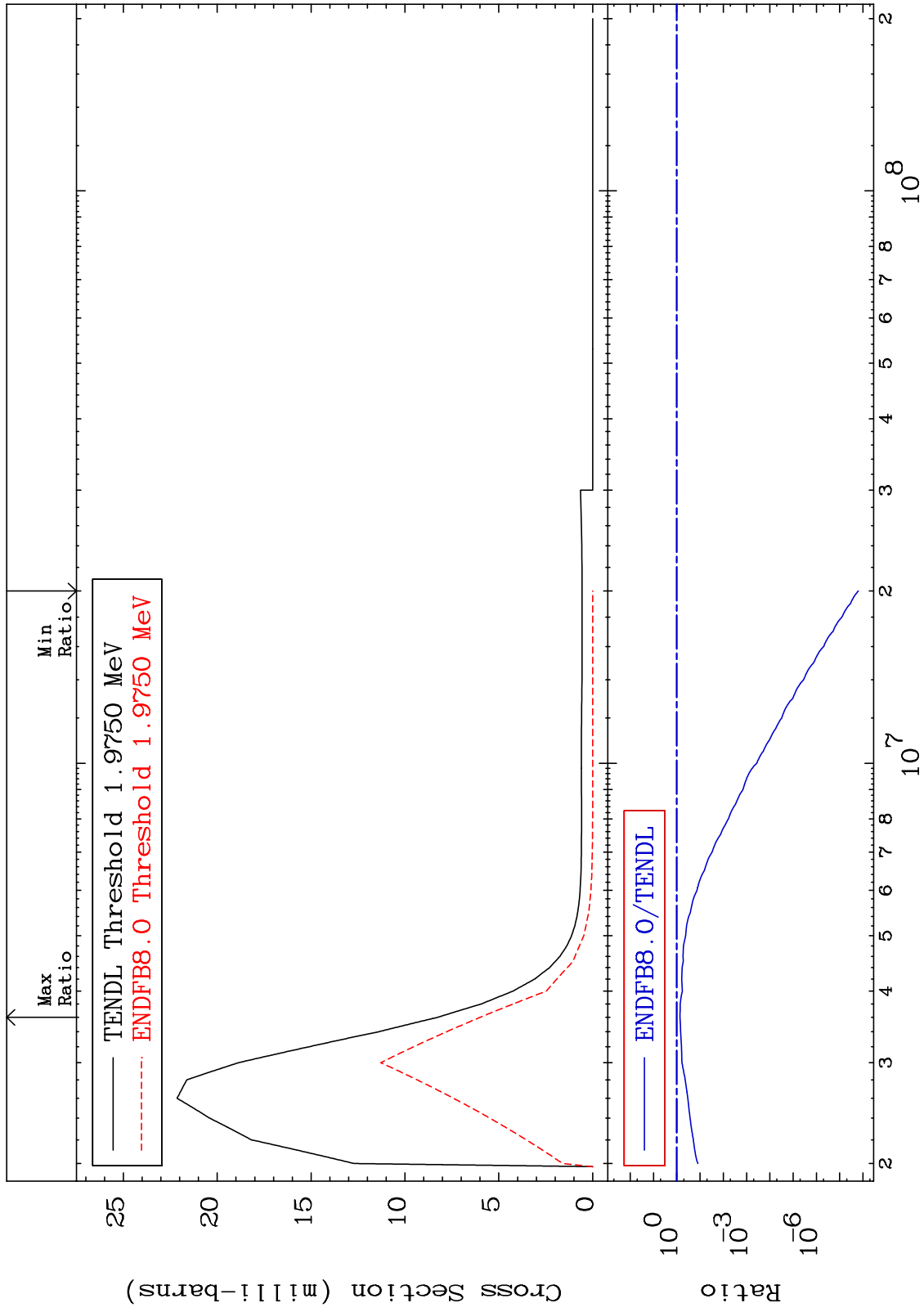
MAT 6425 MT= 79 (n,n') Level Cross Section 64-Gd-152
 -100.0 To -27.25%



MAT 6425

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

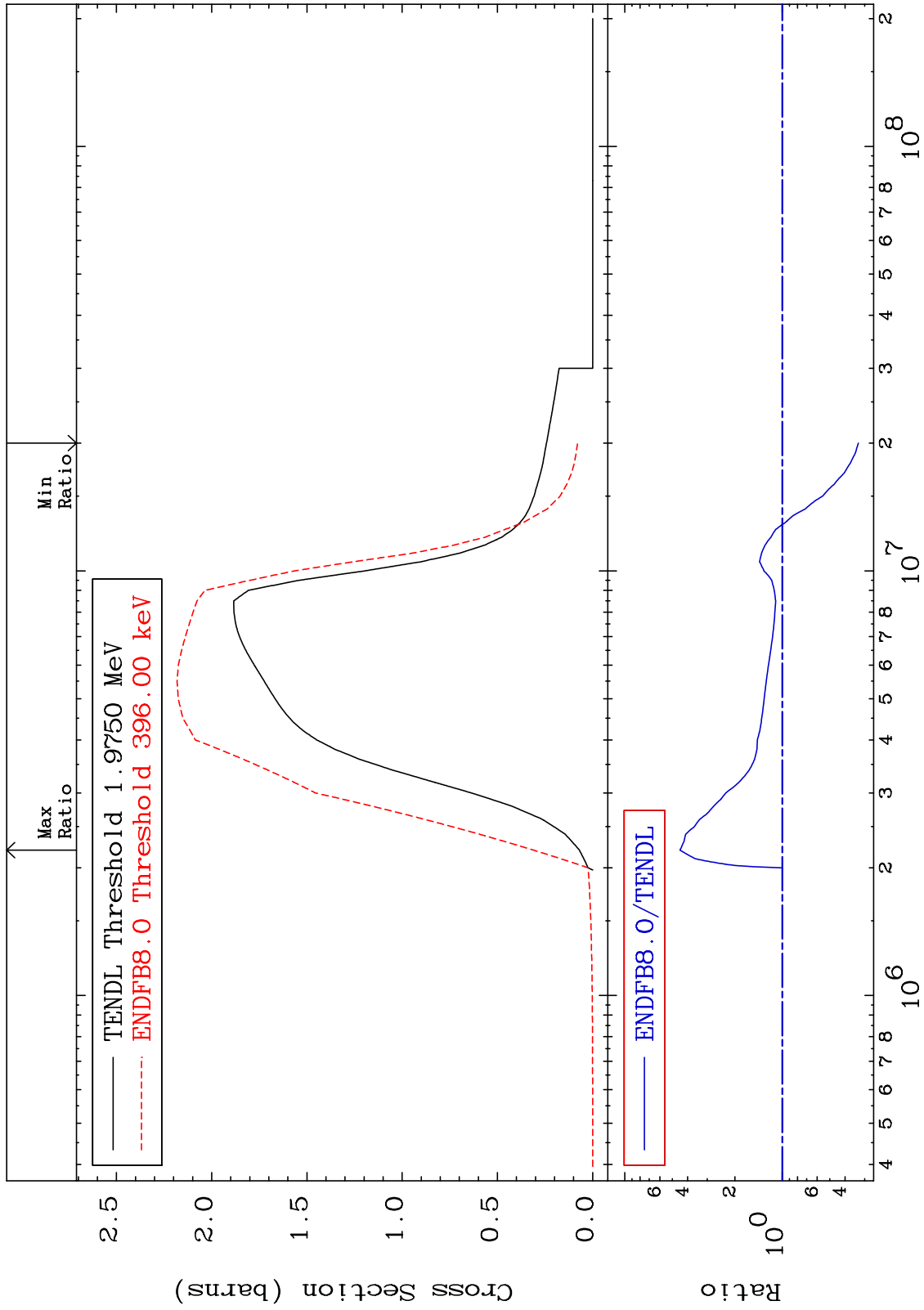
64-Gd-152
-100.0 To -27.45%



MAT 6425

(n, n') Continuum
Cross Section

64-Gd-152
-67.14 To 346.4 %



40

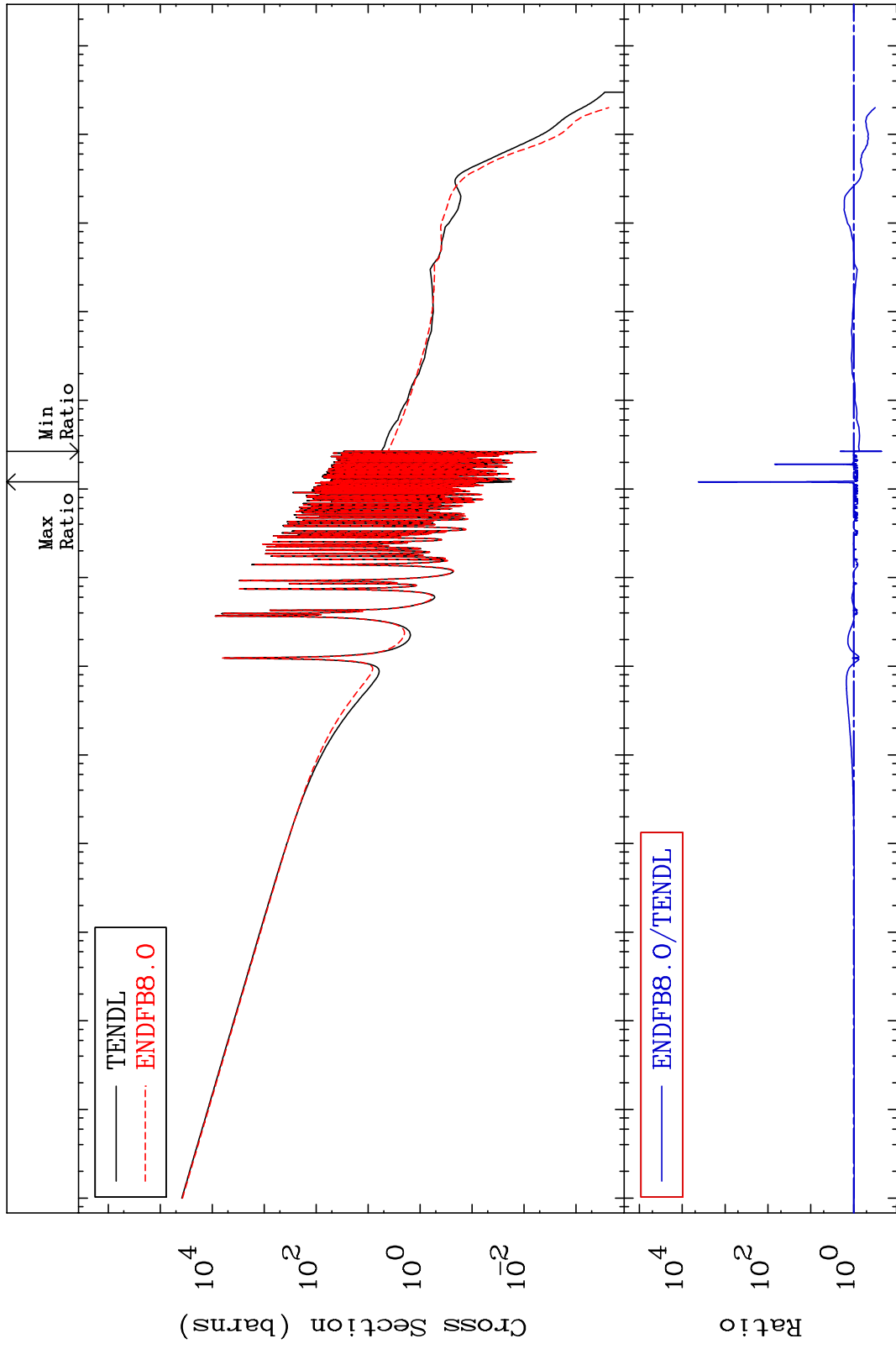
64-Gd-152

64-Gd-152

MAT 6425

(n, γ)
Cross Section

64-Gd-152
-77.61 To 9999. %



41

Incident Energy (eV)

64-Gd-152

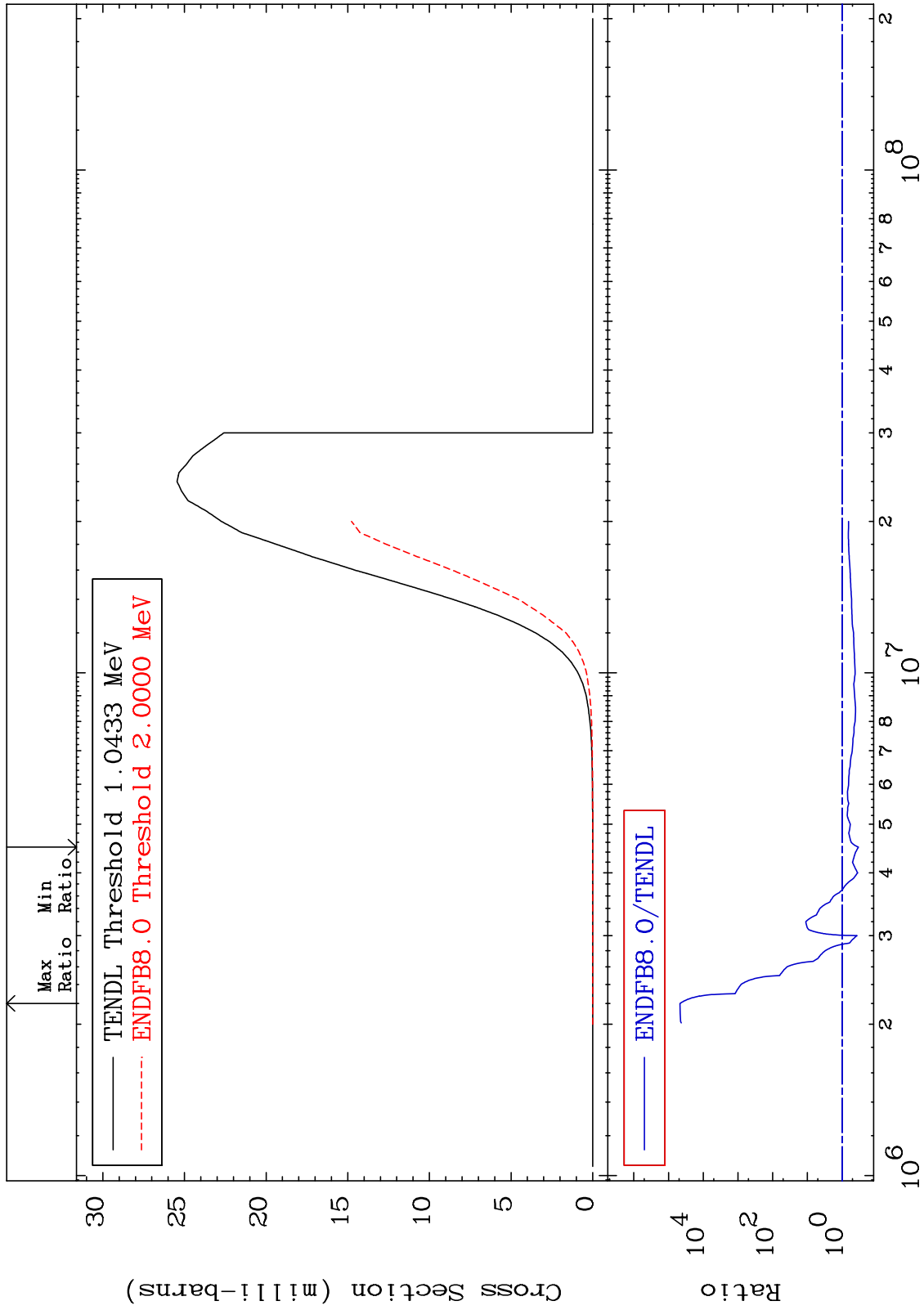
MAT 6425

(n,p)

64-Gd-152

Cross Section

-66.05 To 9999. %



64-Gd-152

42

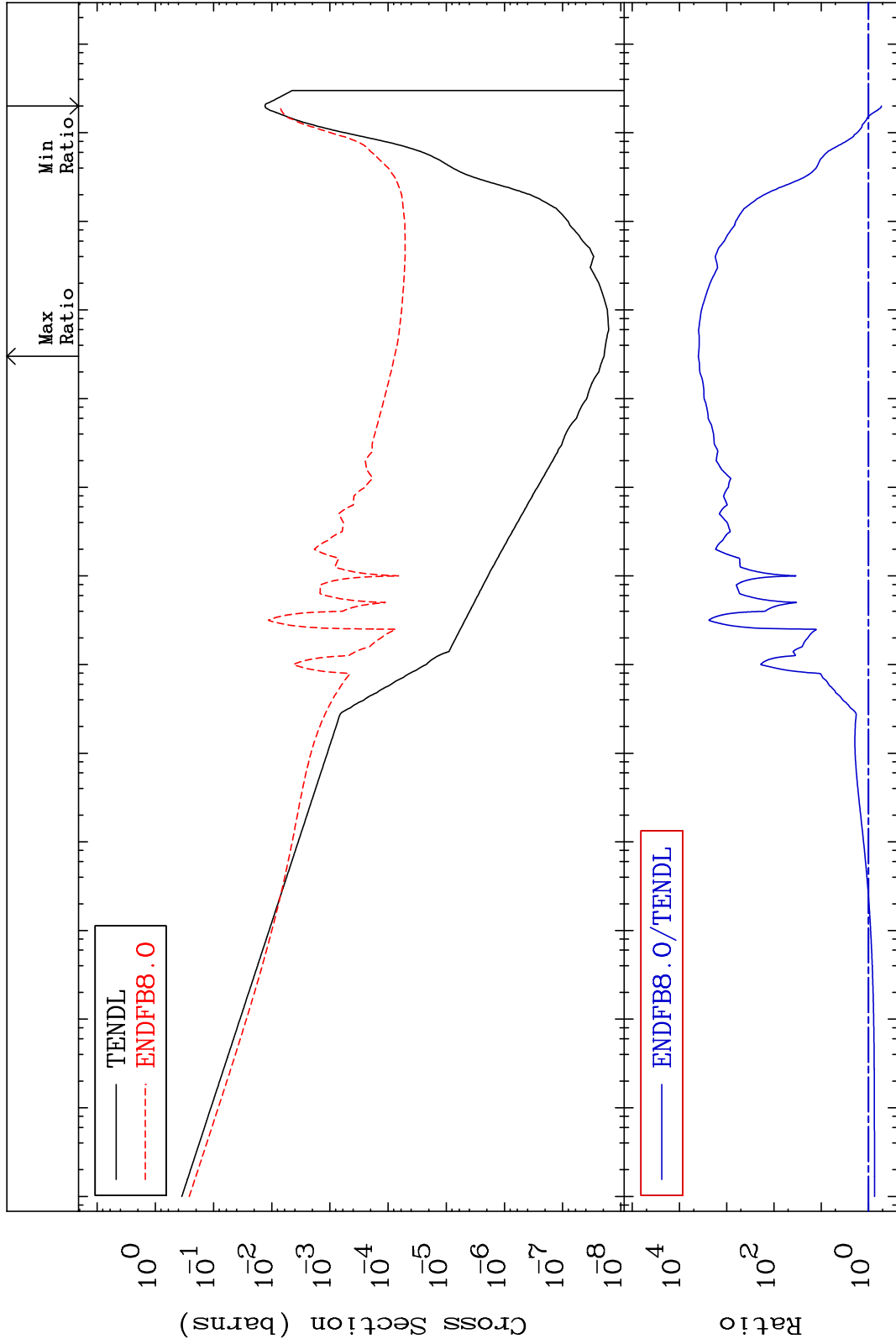
MAT 6425

(n, α)

64-Gd-152

Cross Section

-47.23 To 9999. %

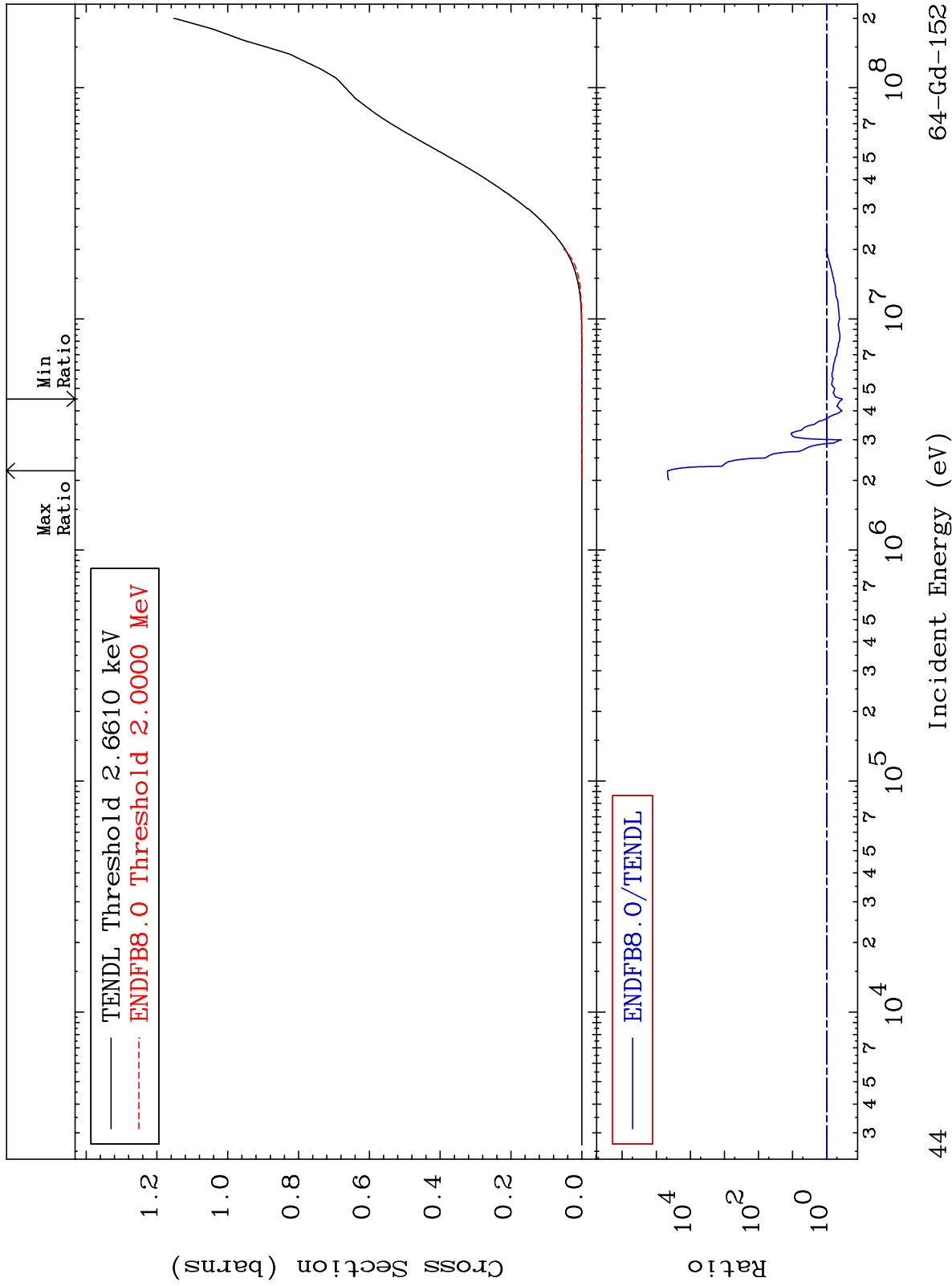


Incident Energy (eV) 64-Gd-152

MAT 6425

Hydrogen Production
Cross Section

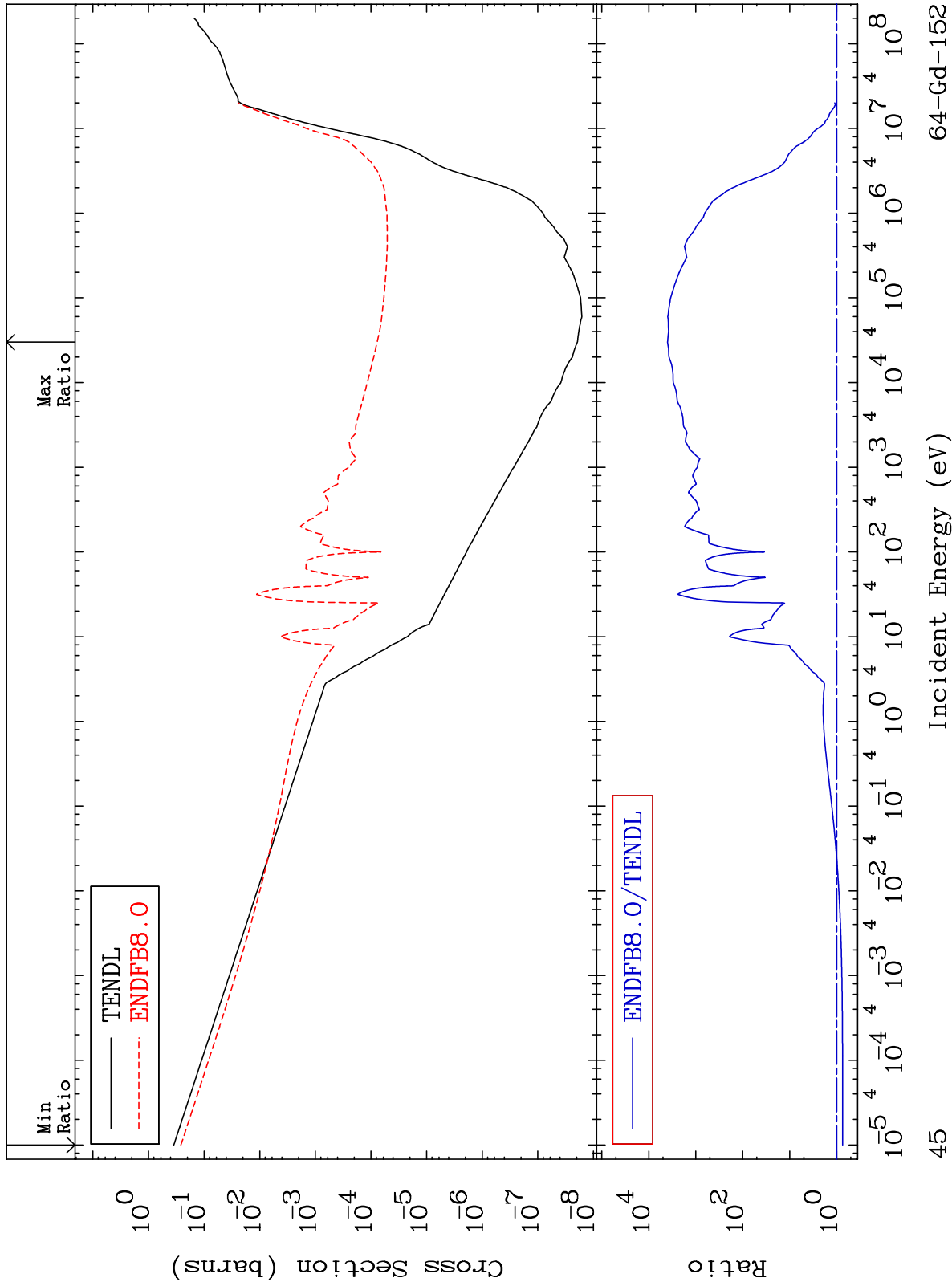
64-Gd-152
-66.05 To 9999. %



MAT 6425

He-4 Production
Cross Section

64-Gd-152
-25.57 To 9999. %



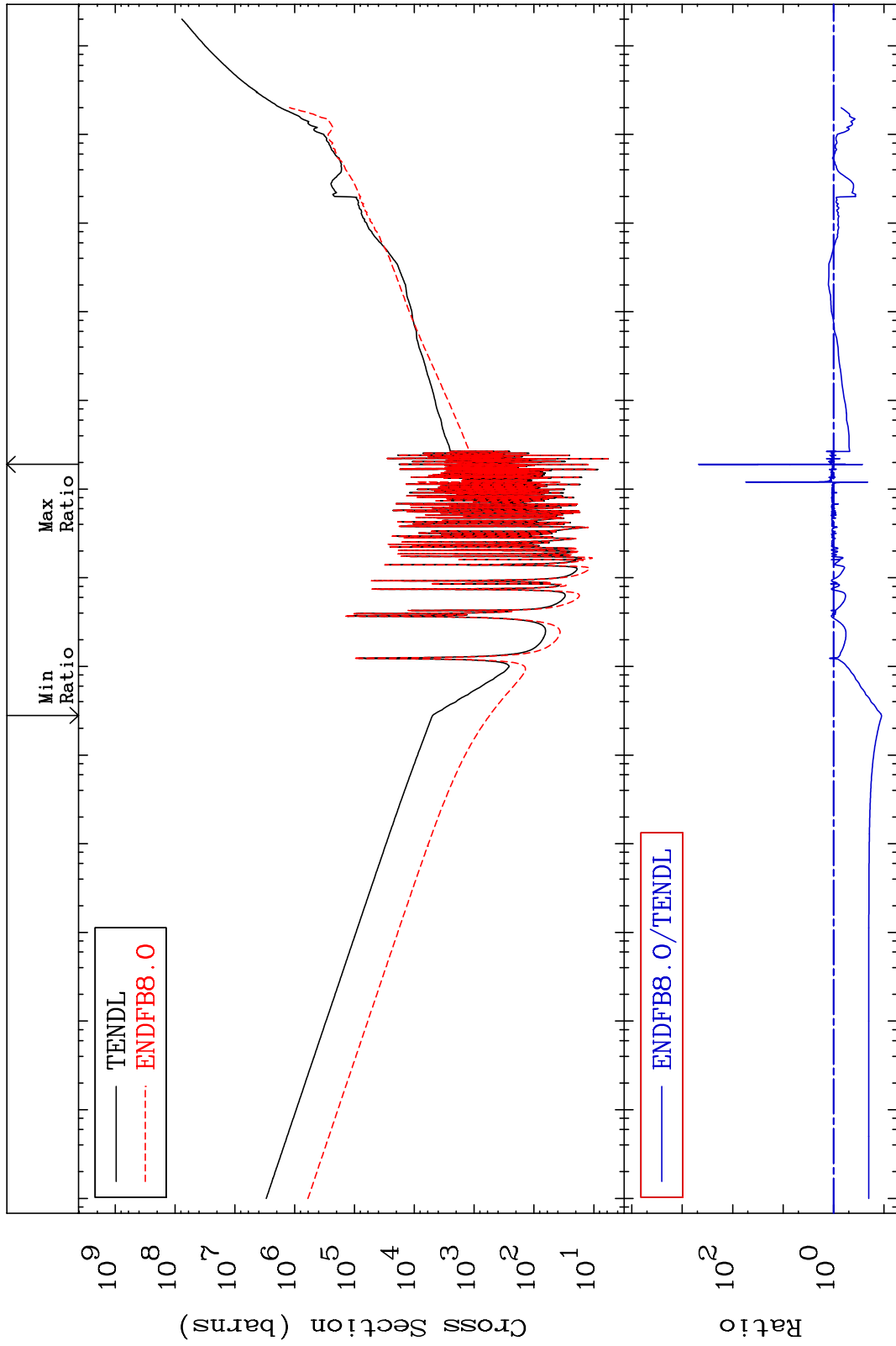
MAT 6425

Kerma total (eV-barns)

64-Gd-152

-88.81 To 9999. %

Cross Section

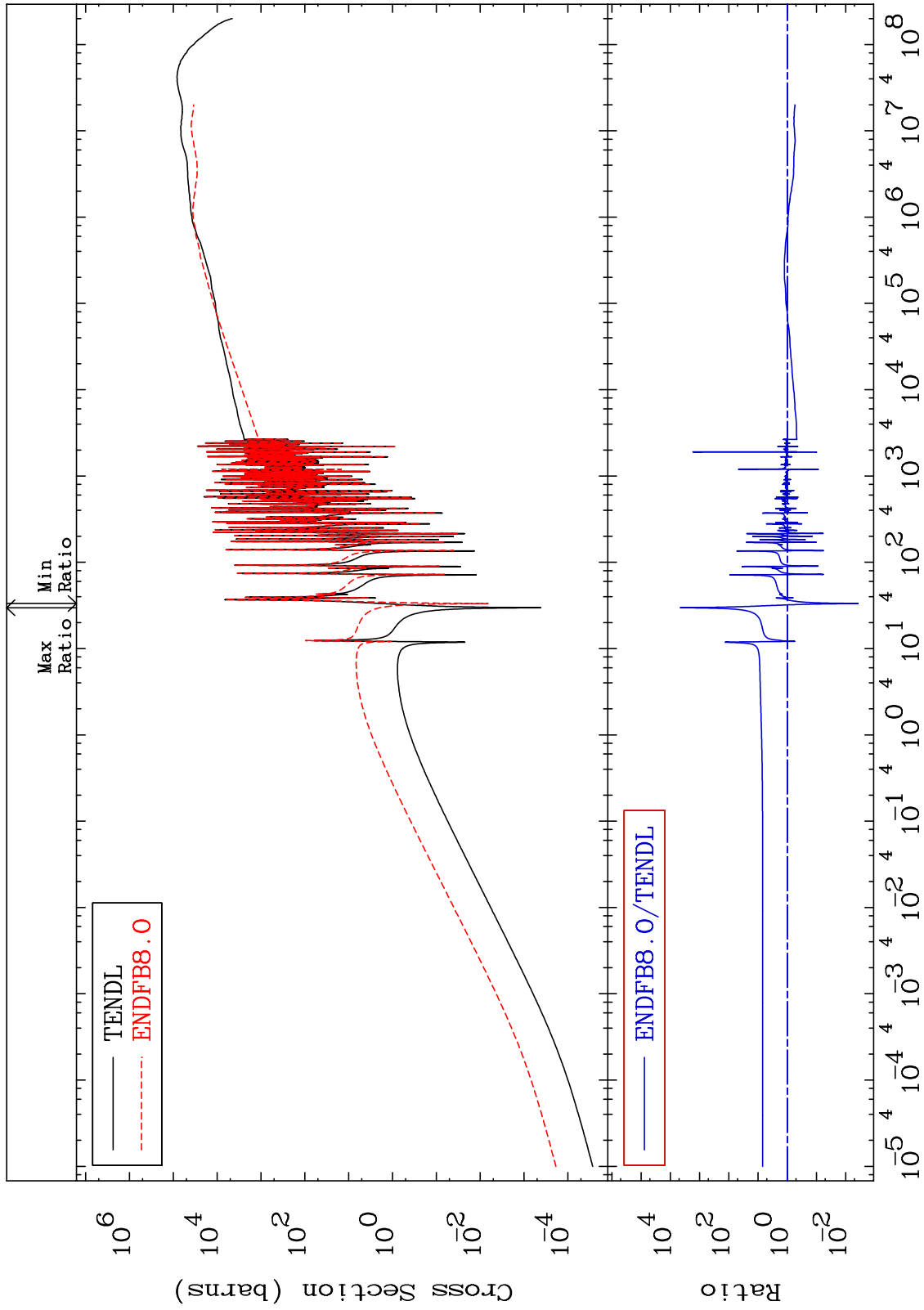


Incident Energy (eV) 64-Gd-152

MAT 6425

Kerma elastic
Cross Section

64-Gd-152
-99.63 To 9999. %



47

Incident Energy (eV)

64-Gd-152

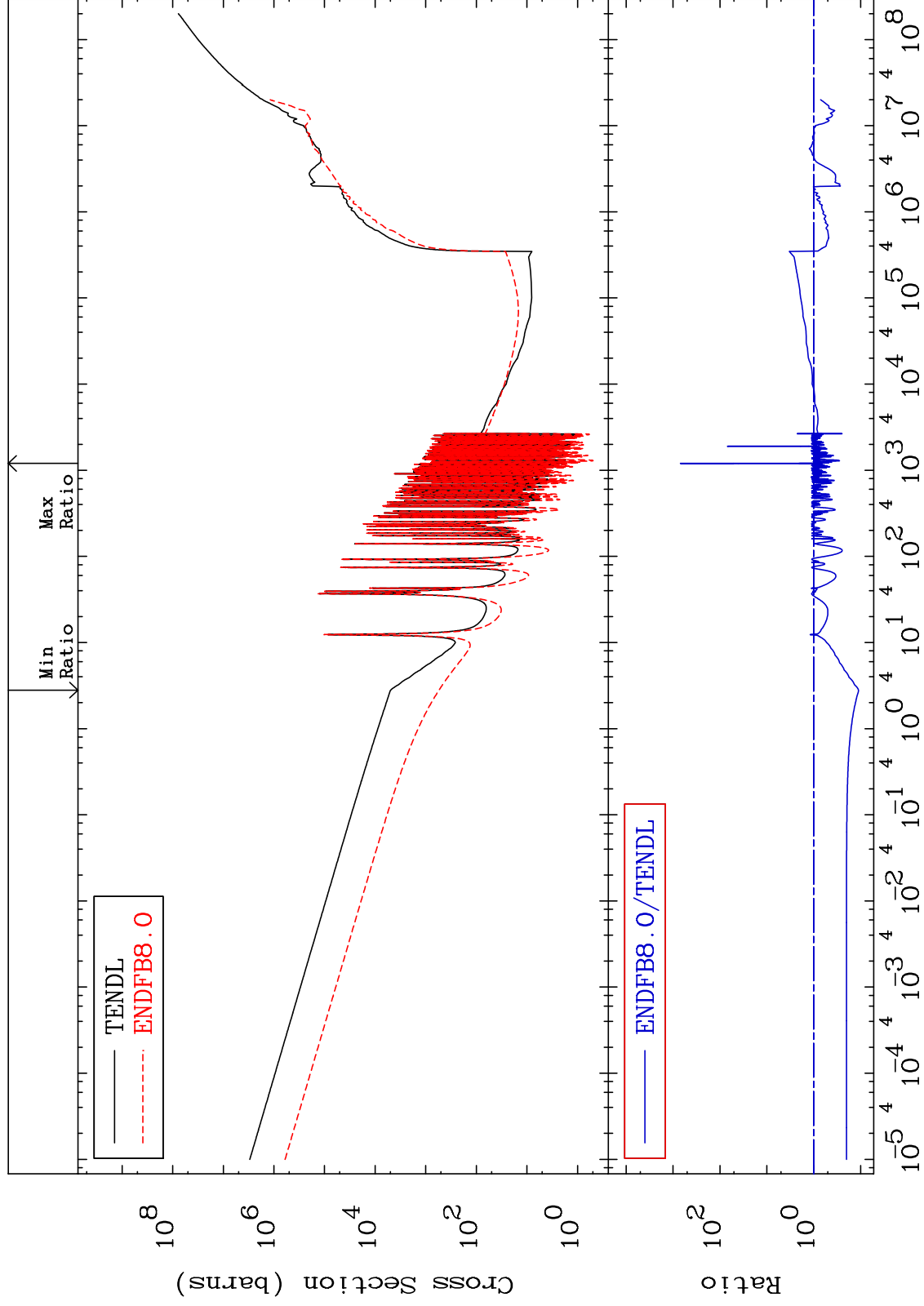
MAT 6425

Kerma non-elastic (all but mt2)

64-Gd-152

-88.92 To 9999. %

Cross Section



48

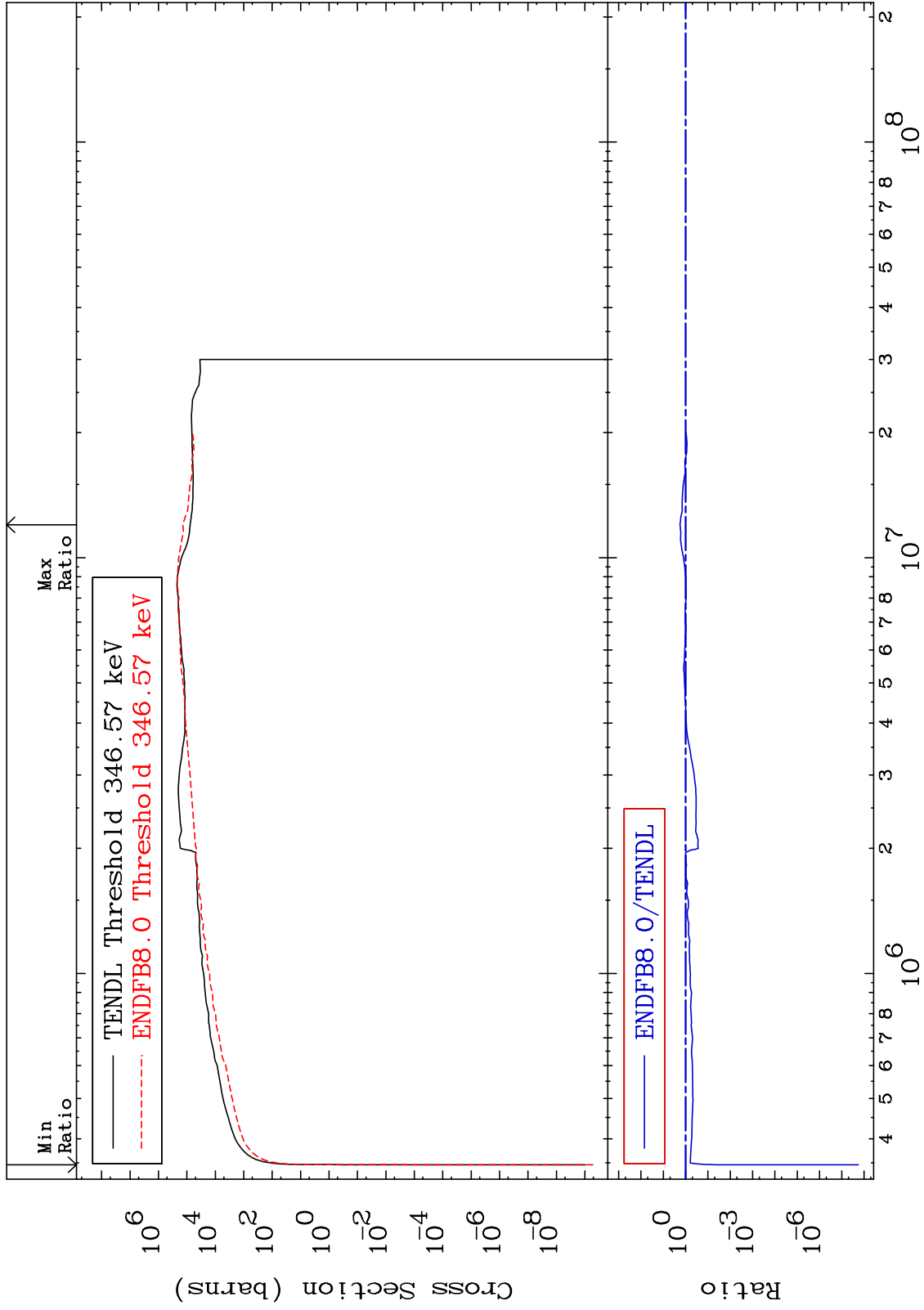
Incident Energy (eV)

64-Gd-152

MAT 6425

Kerma inelastic (mt51-91)
Cross Section

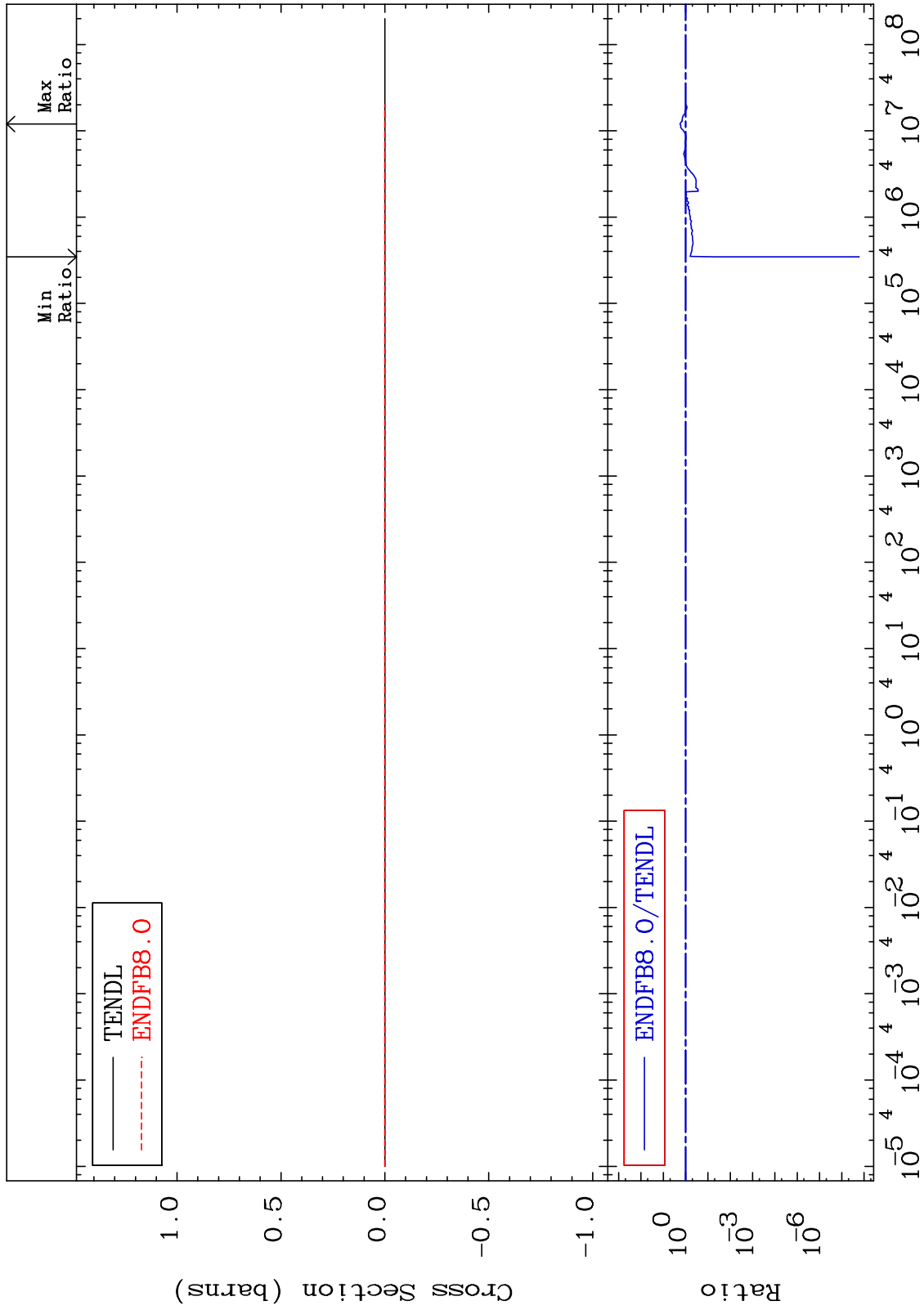
64-Gd-152
-100.0 To 78.36 %



MAT 6425

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

64-Gd-152
-100.0 To 78.36 %



50

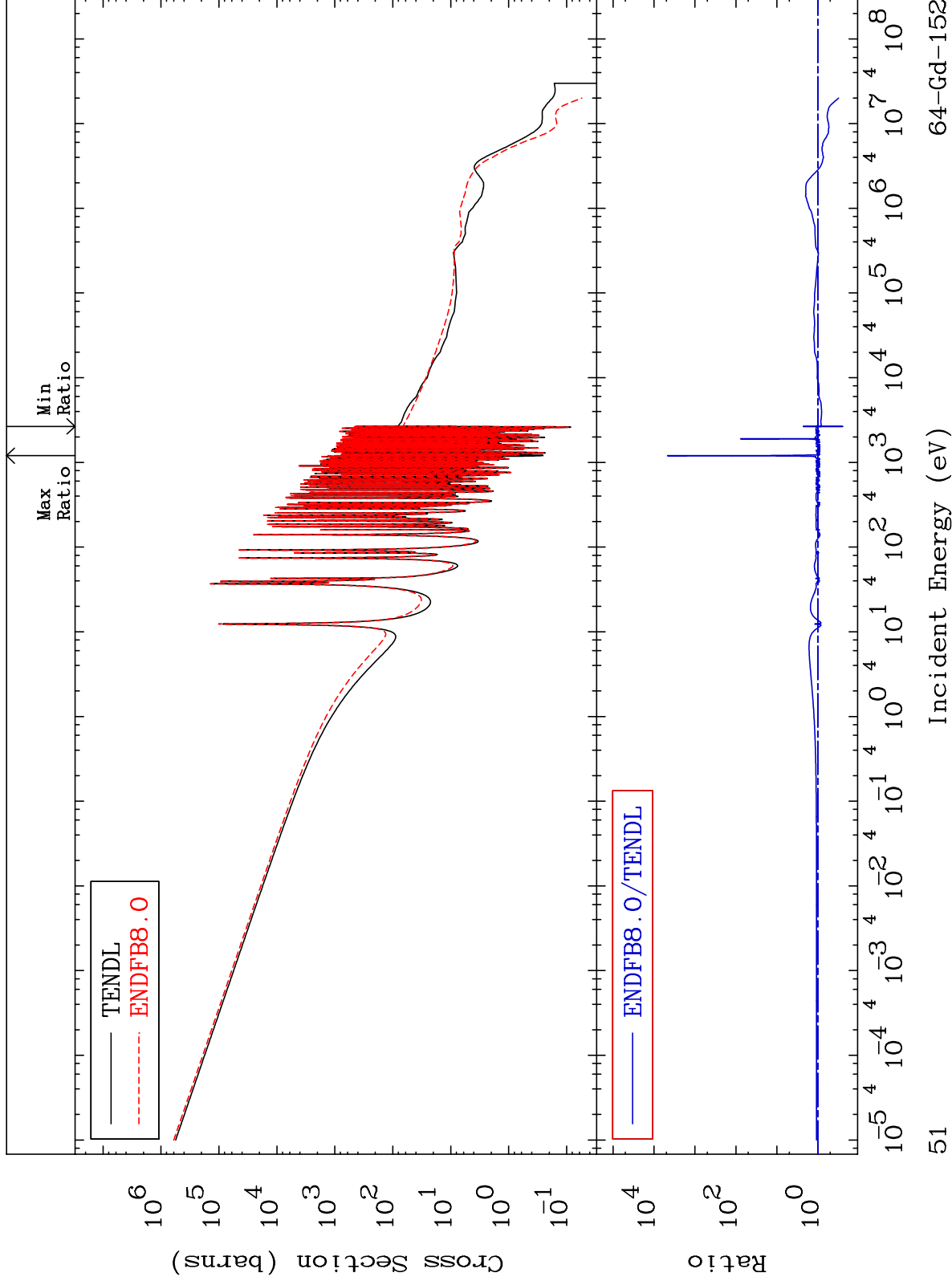
Incident Energy (eV)

64-Gd-152

MAT 6425

Kerma capture (mt102)
Cross Section

64-Gd-152
-75.17 To 9999. %



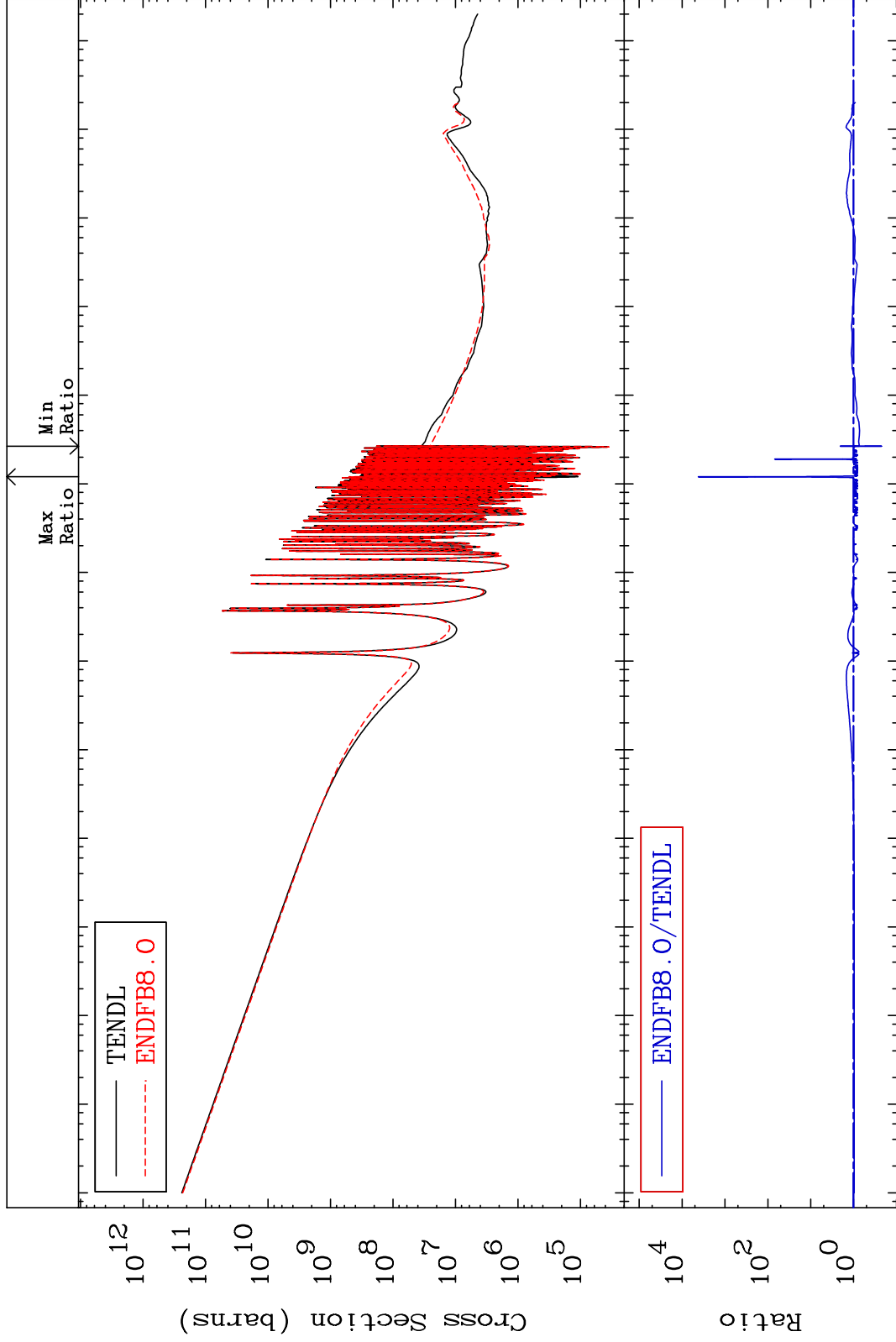
51

64-Gd-152

MAT 6425

Total photon (eV-barns)
Cross Section

64-Gd-152
-77.74 To 9999. %



52

Incident Energy (eV)

64-Gd-152

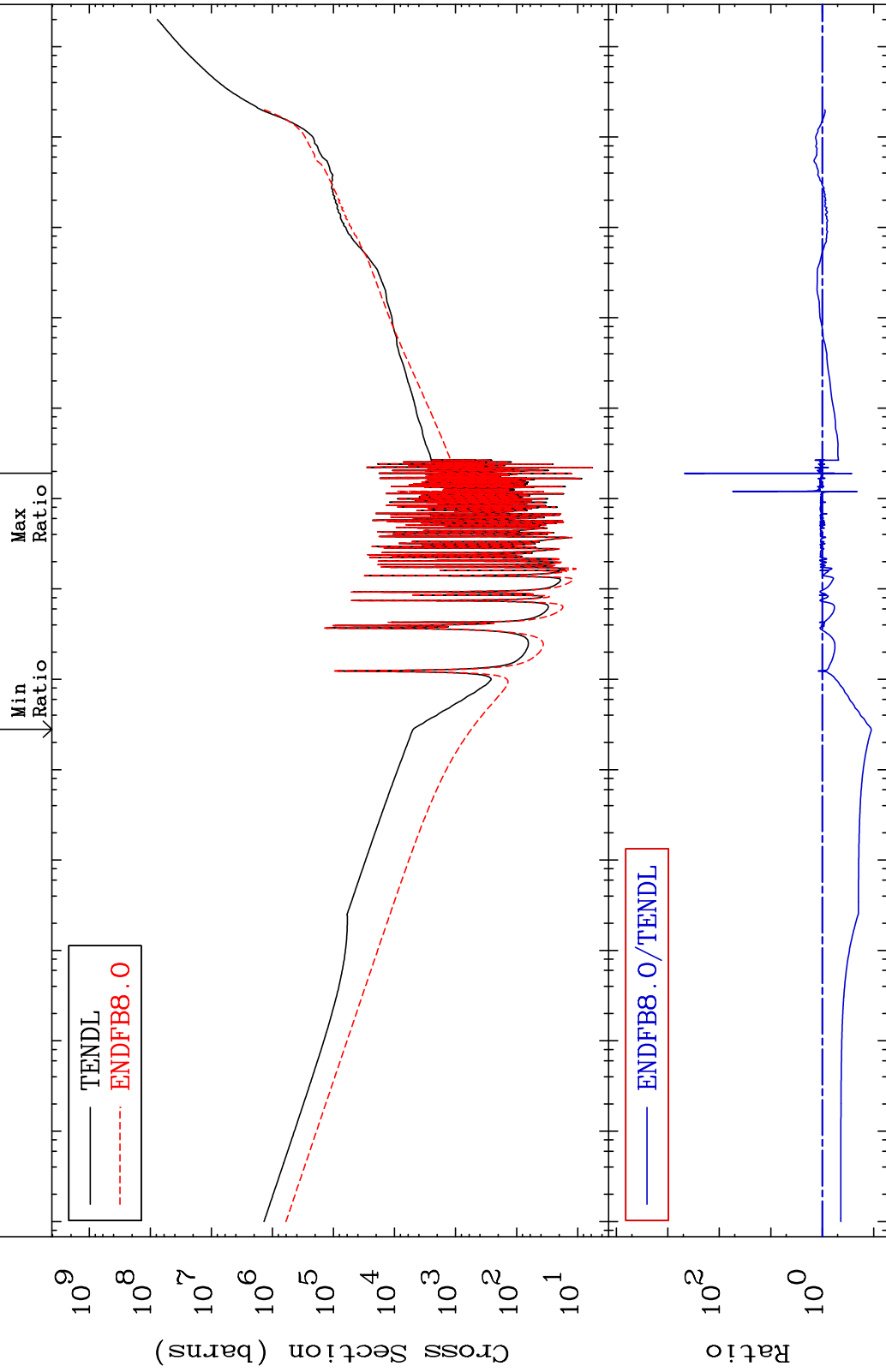
MAT 6425

Total kinematic kerma (high limit)

64-Gd-152

-88.85 To 9999. %

Cross Section



53

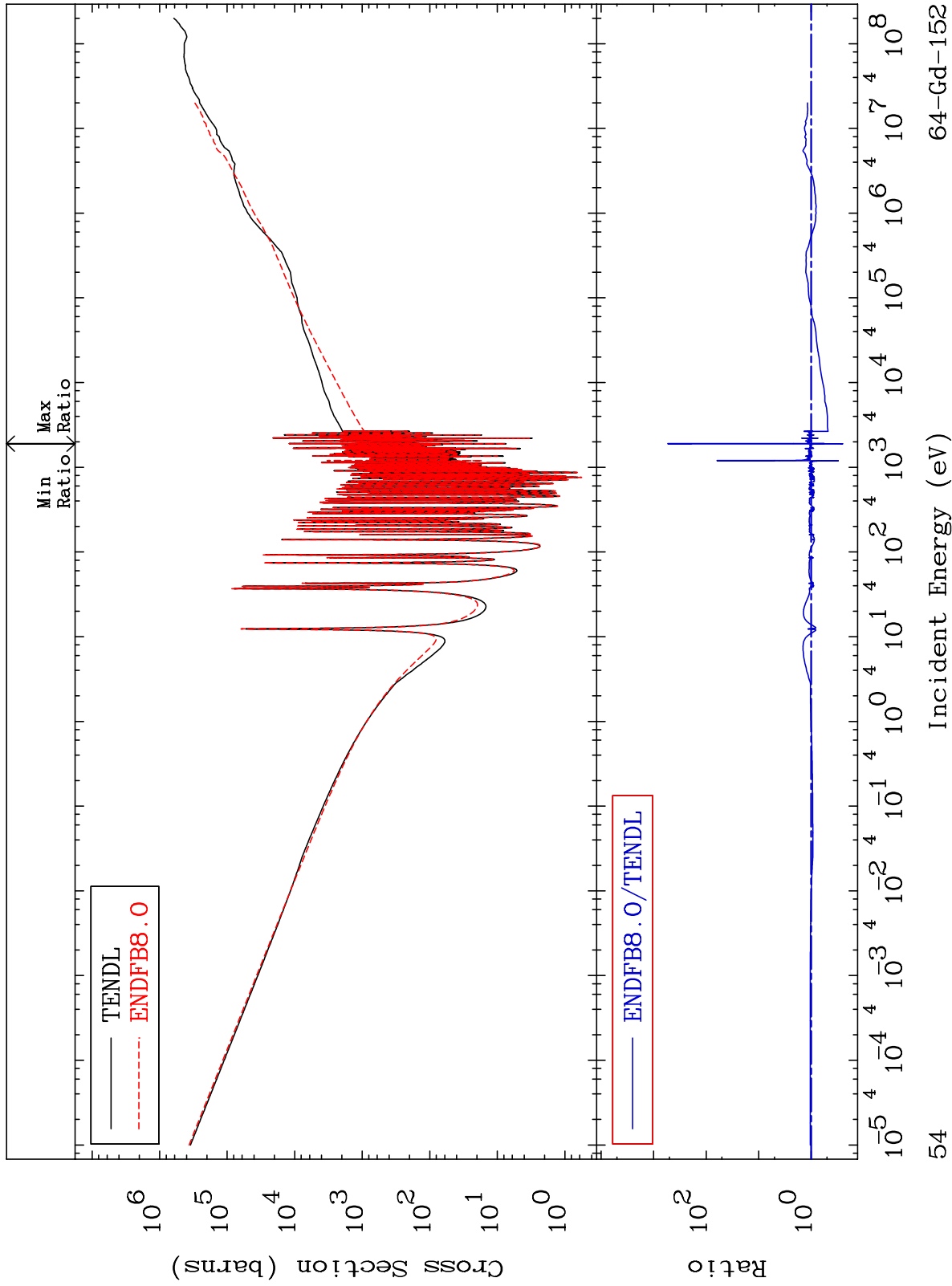
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa total (eV-barns)
Cross Section

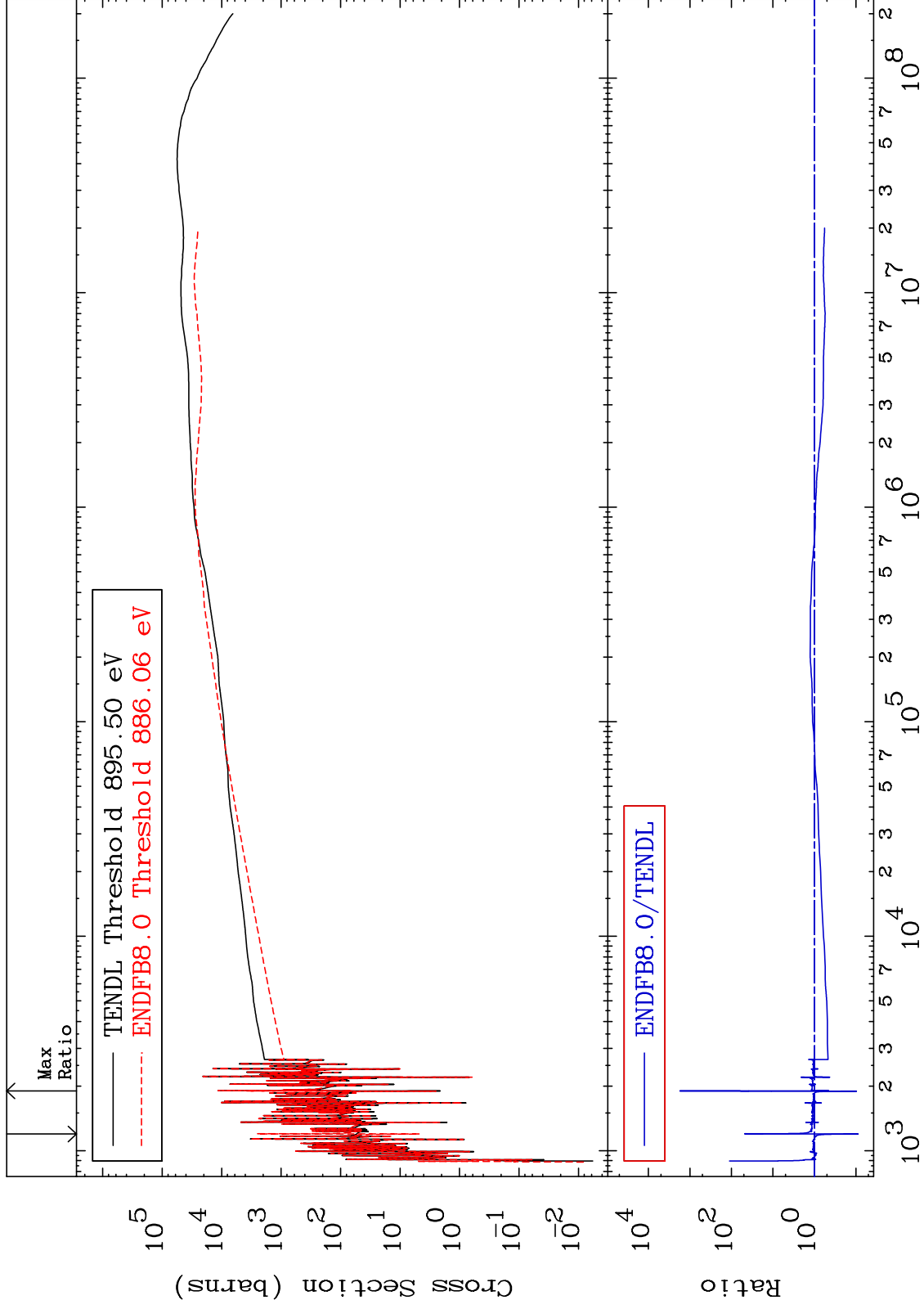
64-Gd-152
-74.81 To 9999. %



MAT 6425

Dpa elastic (mt2)
Cross Section

64-Gd-152
-91.28 To 9999. %



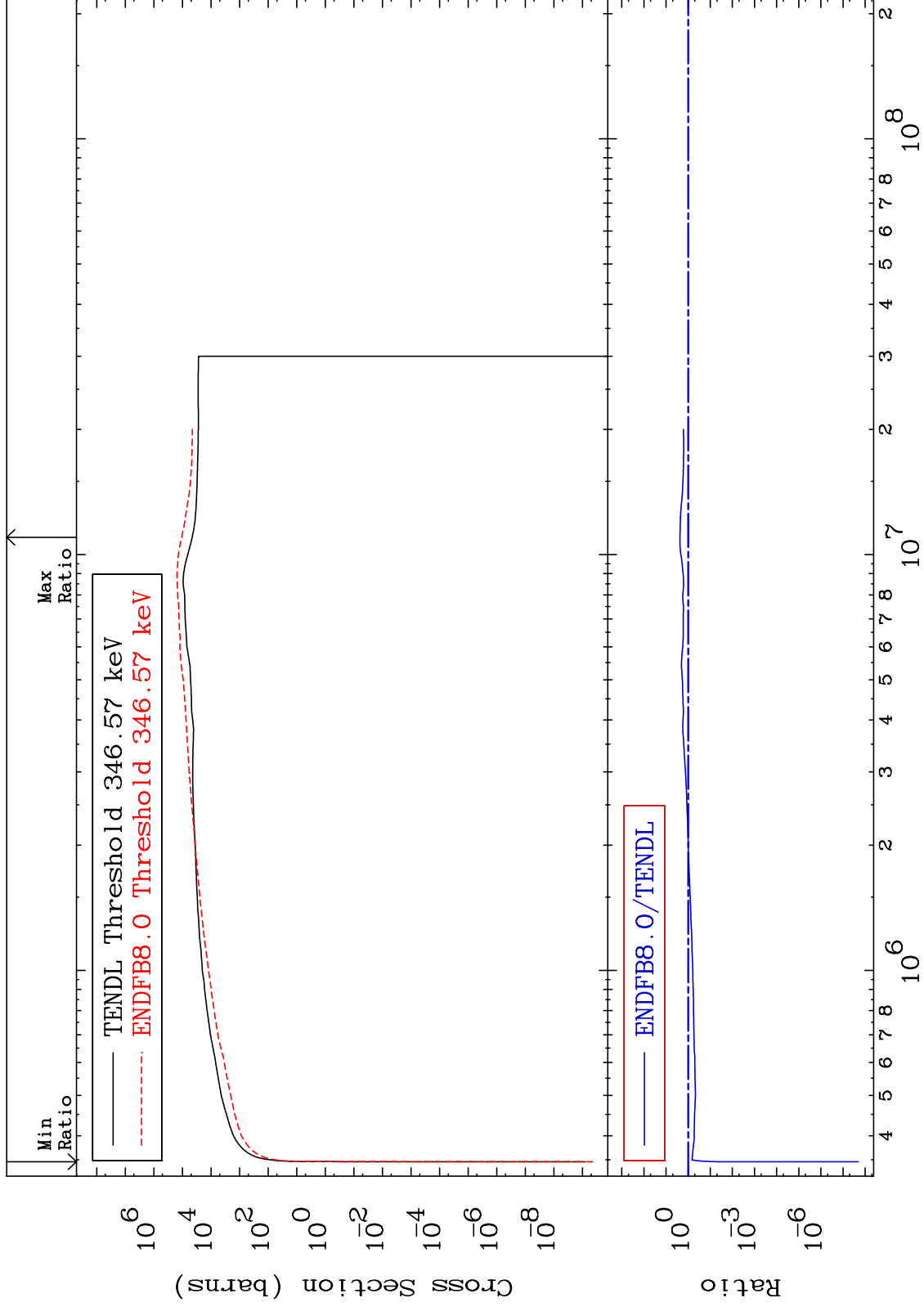
55

64-Gd-152

MAT 6425

Dpa inelastic (mt51-91)
Cross Section

64-Gd-152
-100.0 To 132.5 %



56

64-Gd-152

64-Gd-152

MAT 6425

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-152
-75.65 To 9999. %

