

Program Complot
(Version 2018-1)

by

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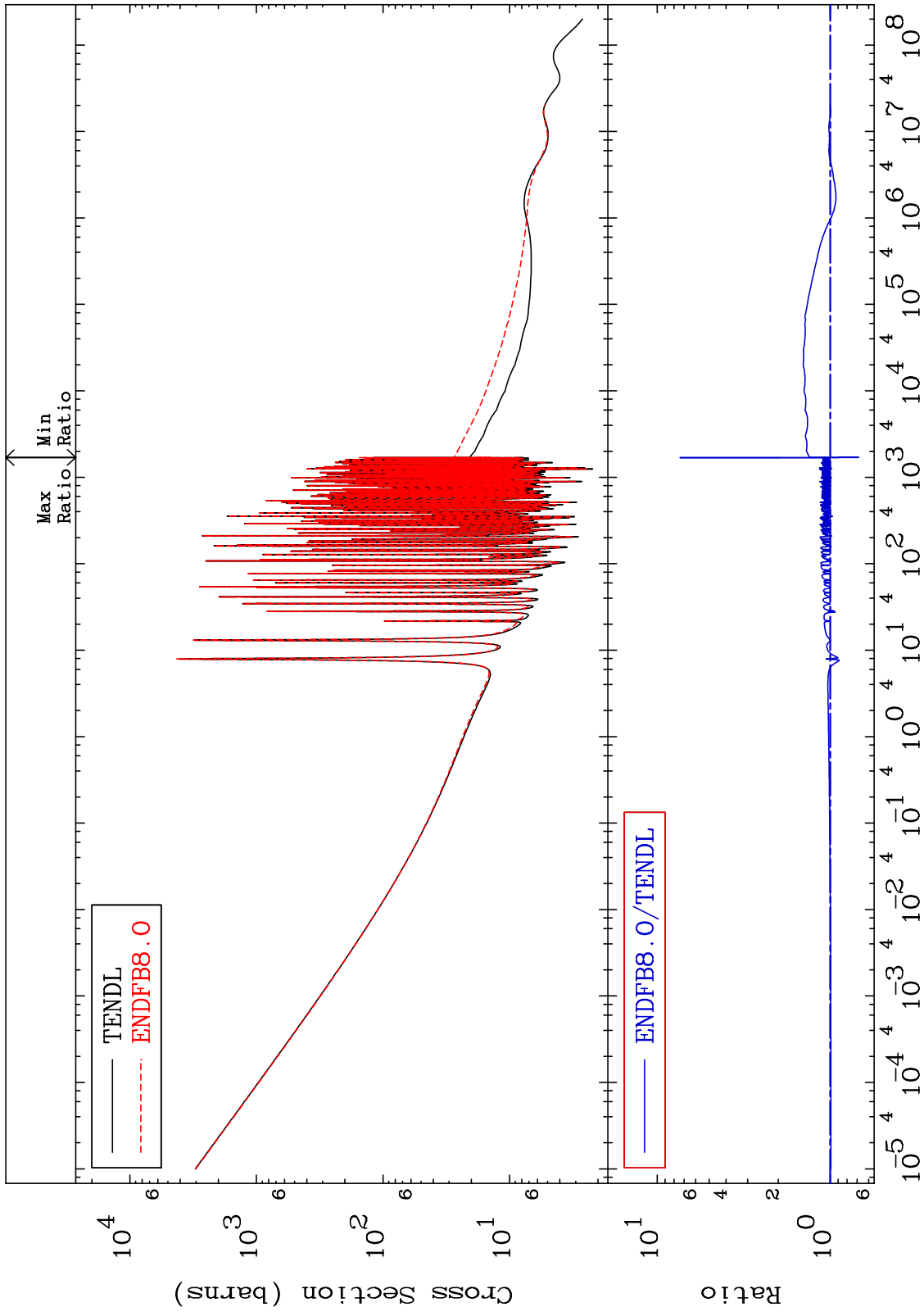
Press Mouse Button to Start

MAT 7034

Total
Cross Section

70-Yb-171

-31.71 To 636.4 %



1

Incident Energy (eV)

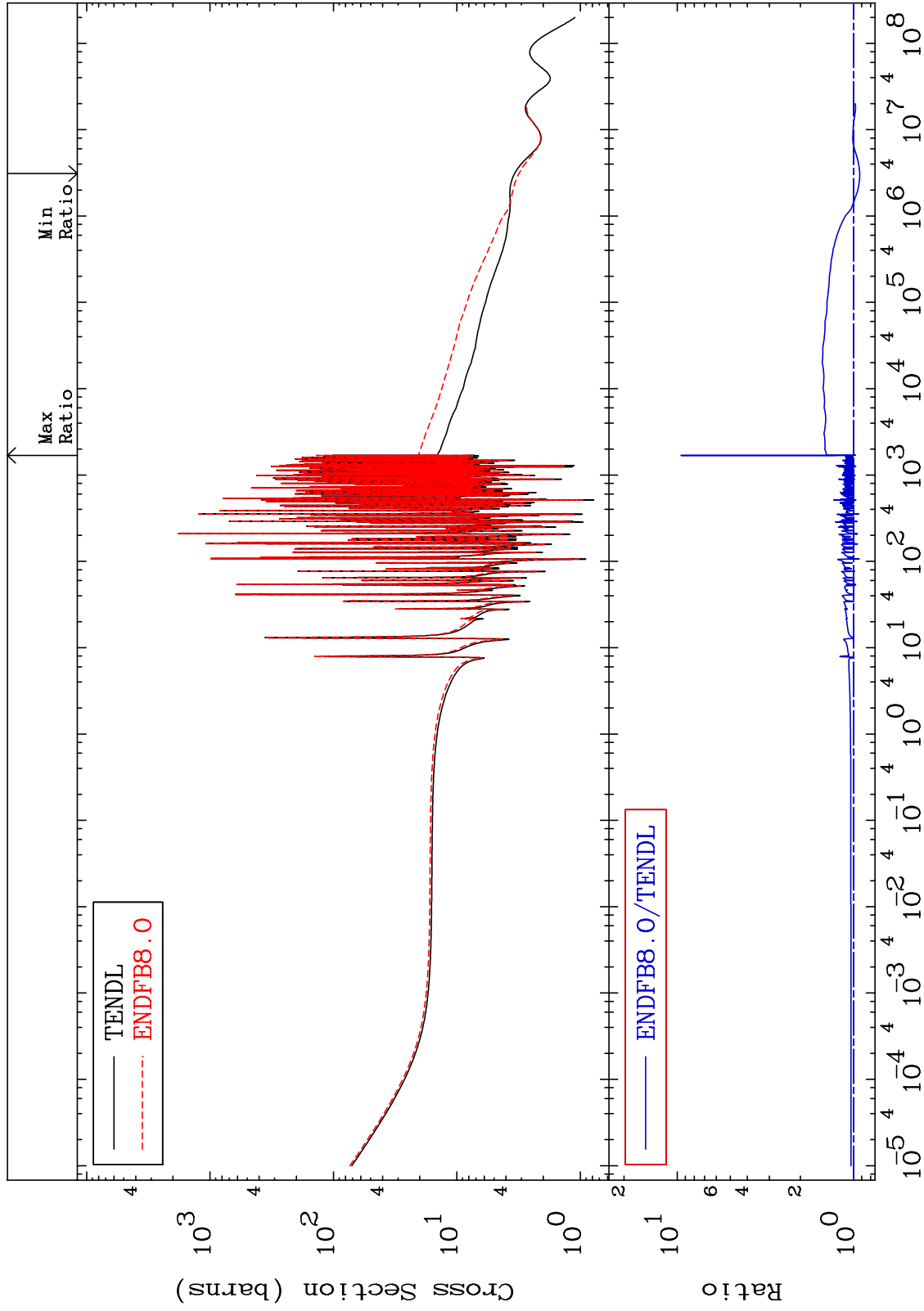
70-Yb-171

MAT 7034

Elastic
Cross Section

70-Yb-171

-7.834 To 848.2 %

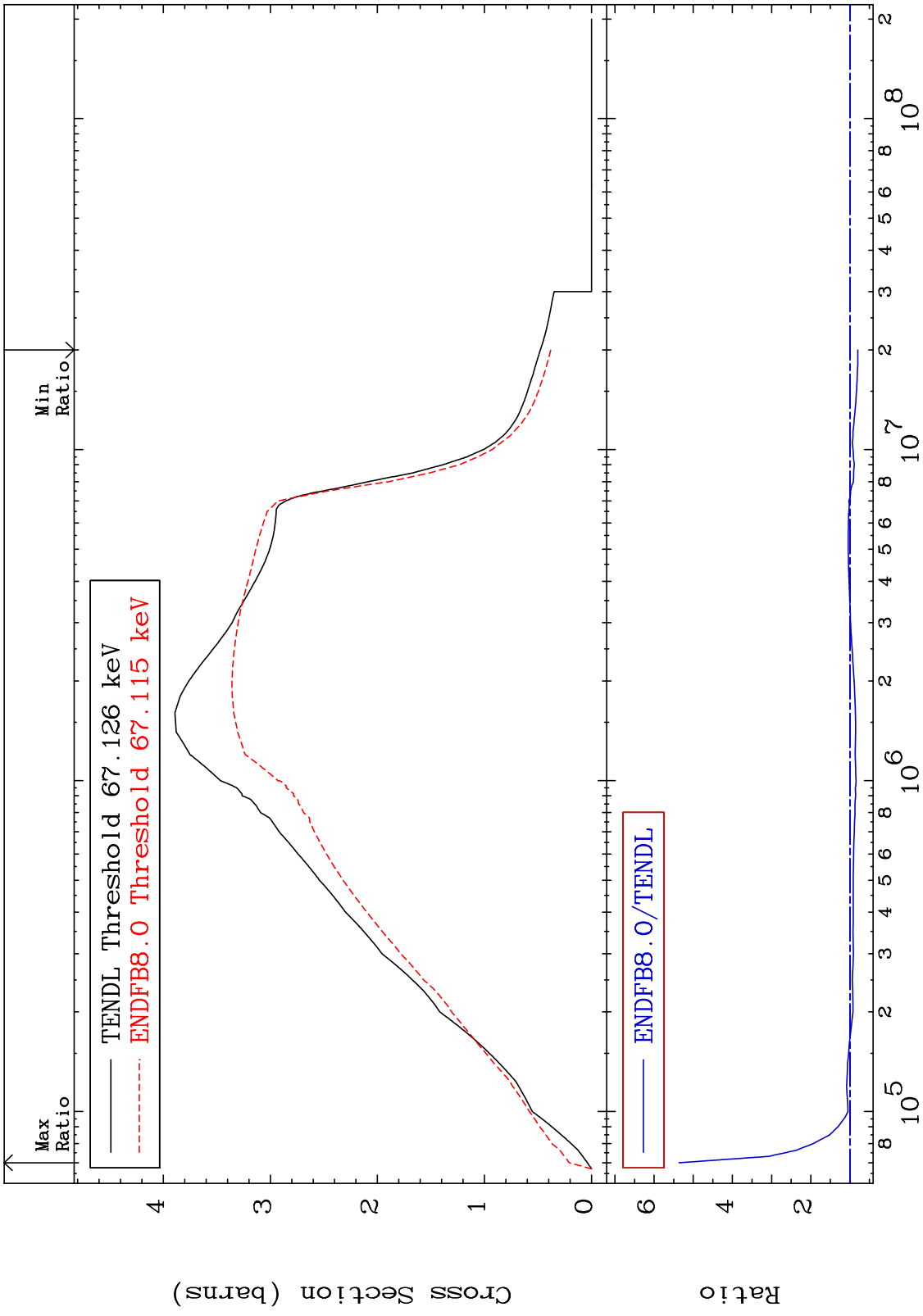


2

Incident Energy (eV)

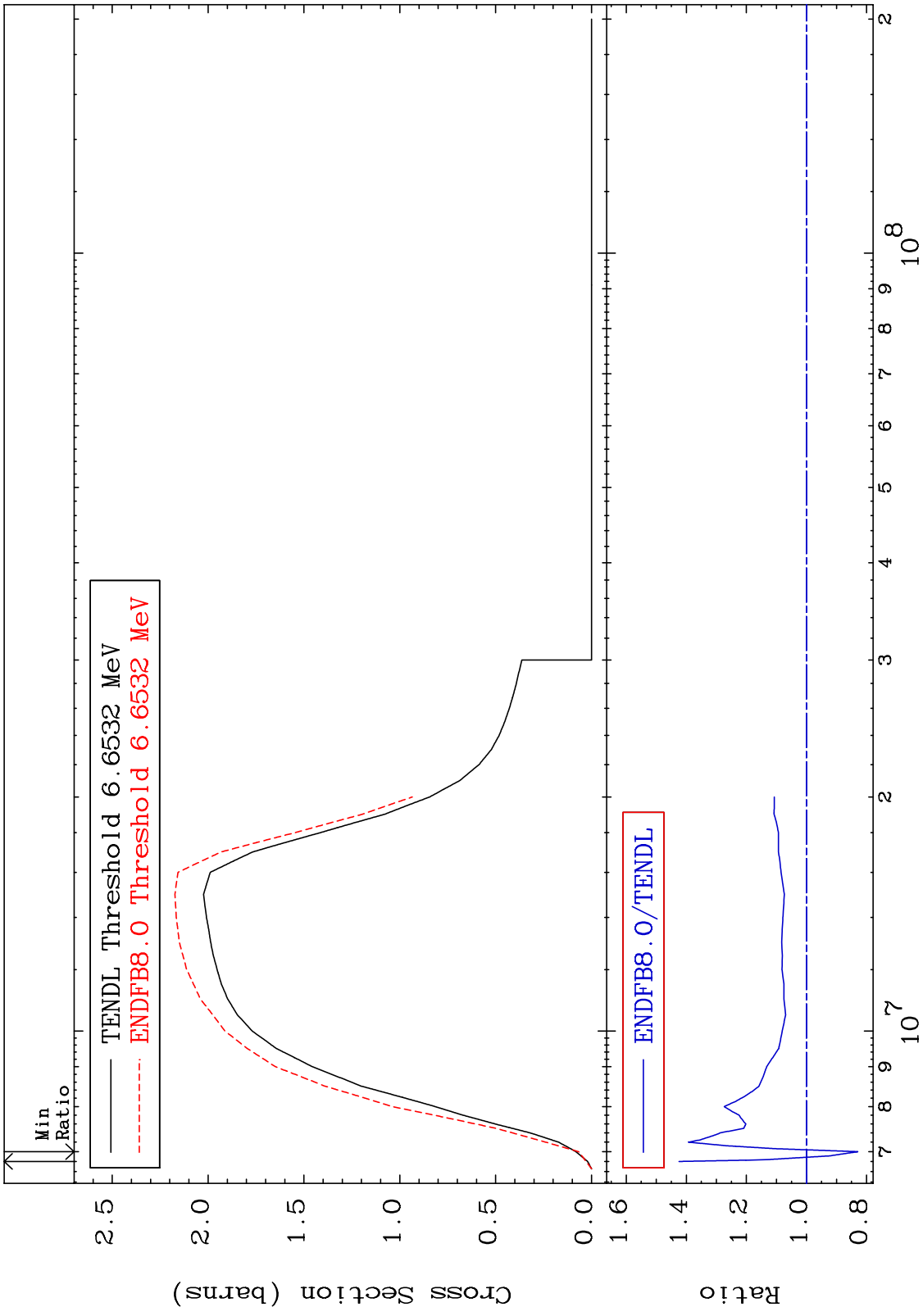
70-Yb-171

MAT 7034 Inelastic Cross Section 70-Yb-171 -20.31 To 436.3 %



3 Incident Energy (eV) 70-Yb-171

MAT 7034 (n,2n) Cross Section 70-Yb-171 -17.10 To 42.42 %



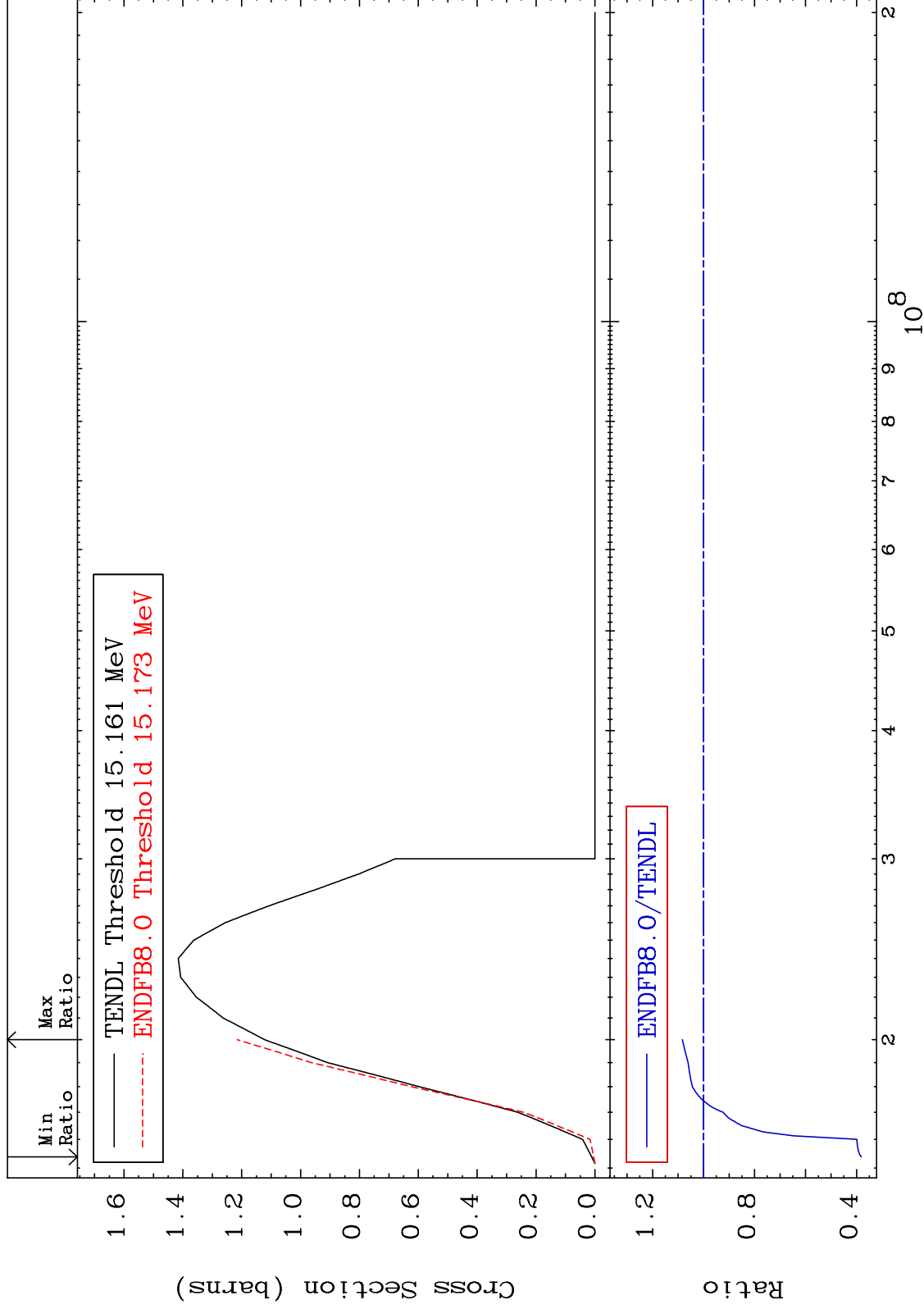
MAT 7034

(n,3n)

70-Yb-171

Cross Section

-61.84 To 8.275 %



5

Incident Energy (eV)

70-Yb-171

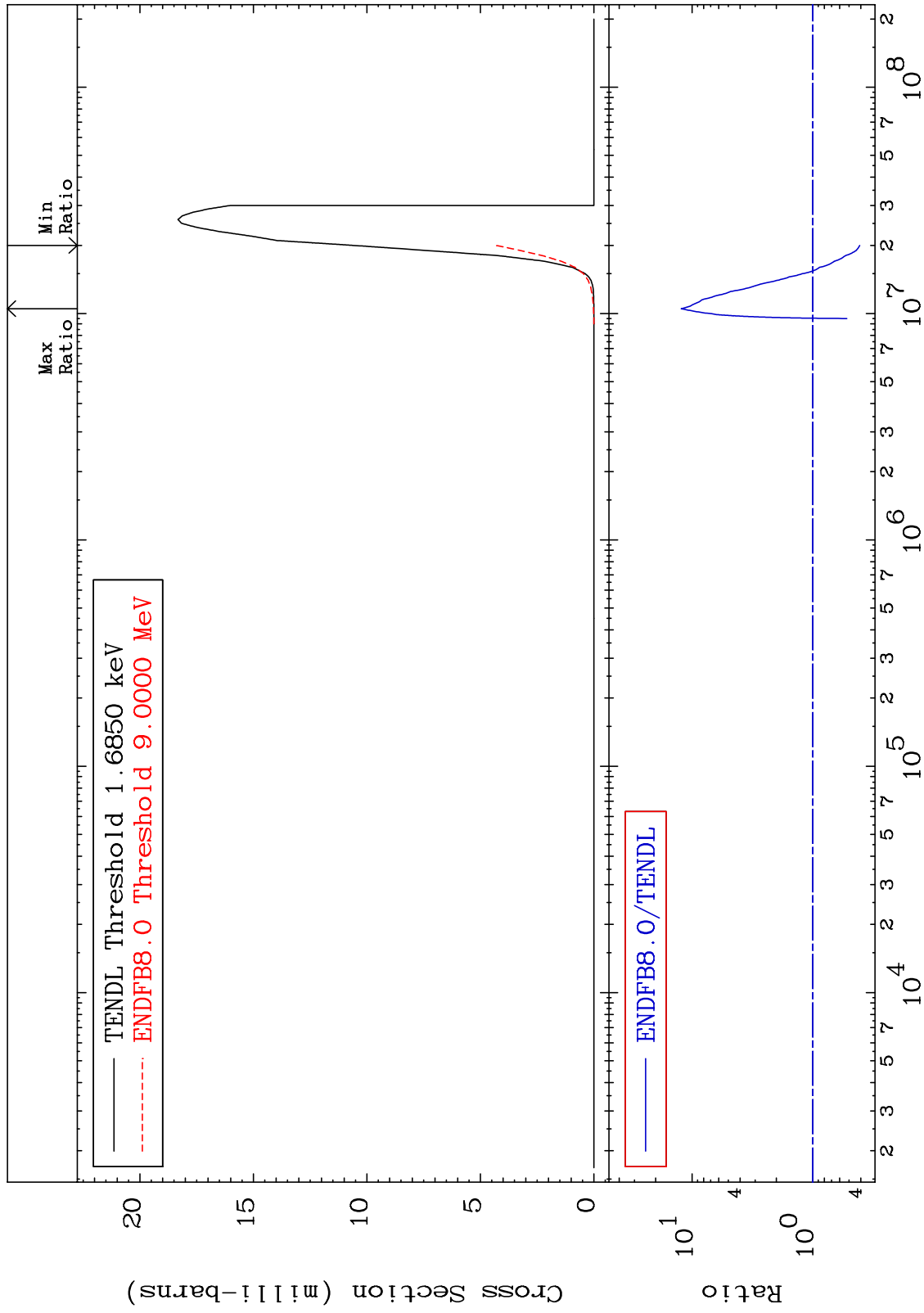
MAT 7034

$(n, n') \alpha$

70-Yb-171

Cross Section

-59.19 To 1128. %



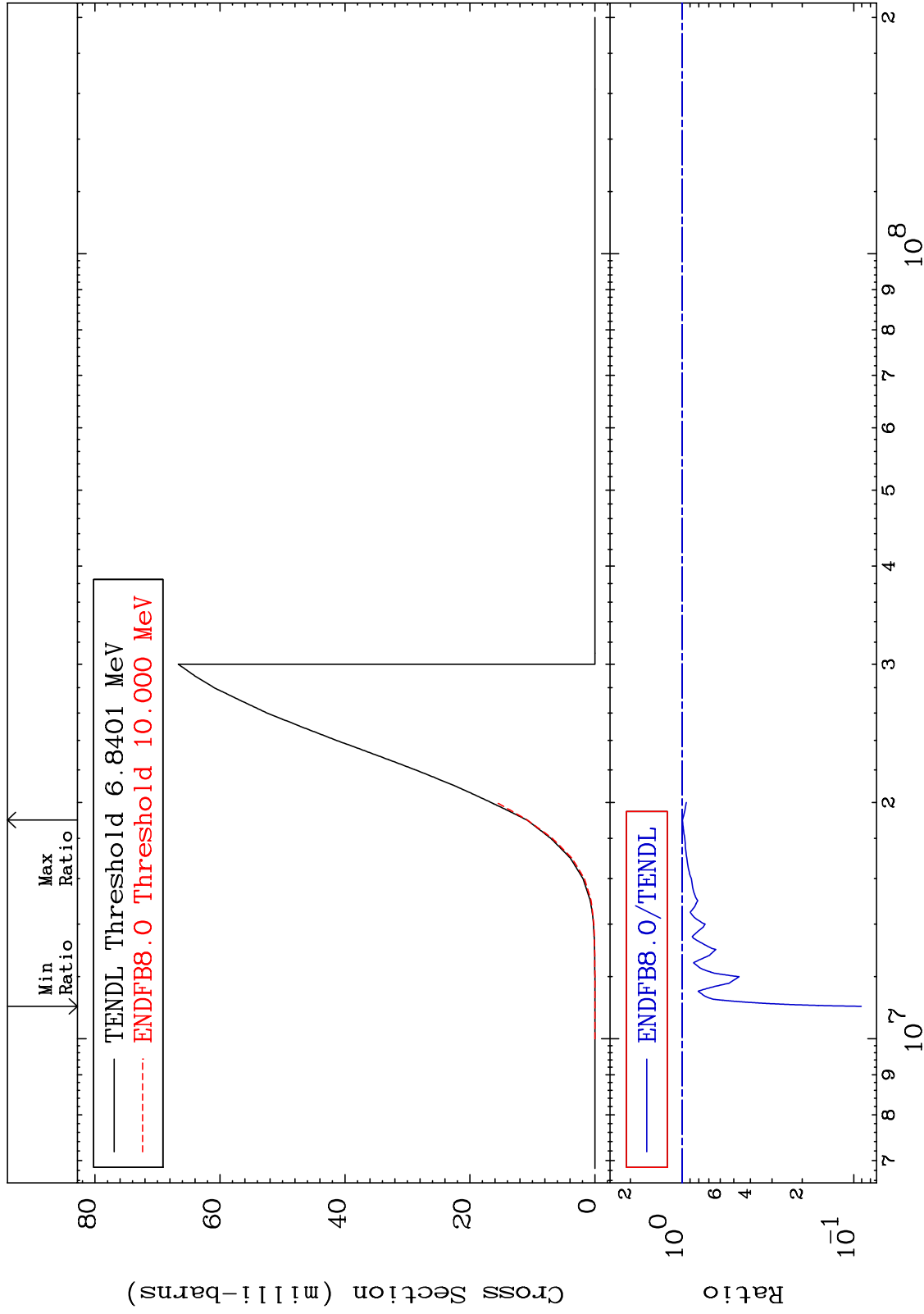
MAT 7034

(n,n') p

⁷⁰Yb-171

Cross Section

-90.95 To -0.419%

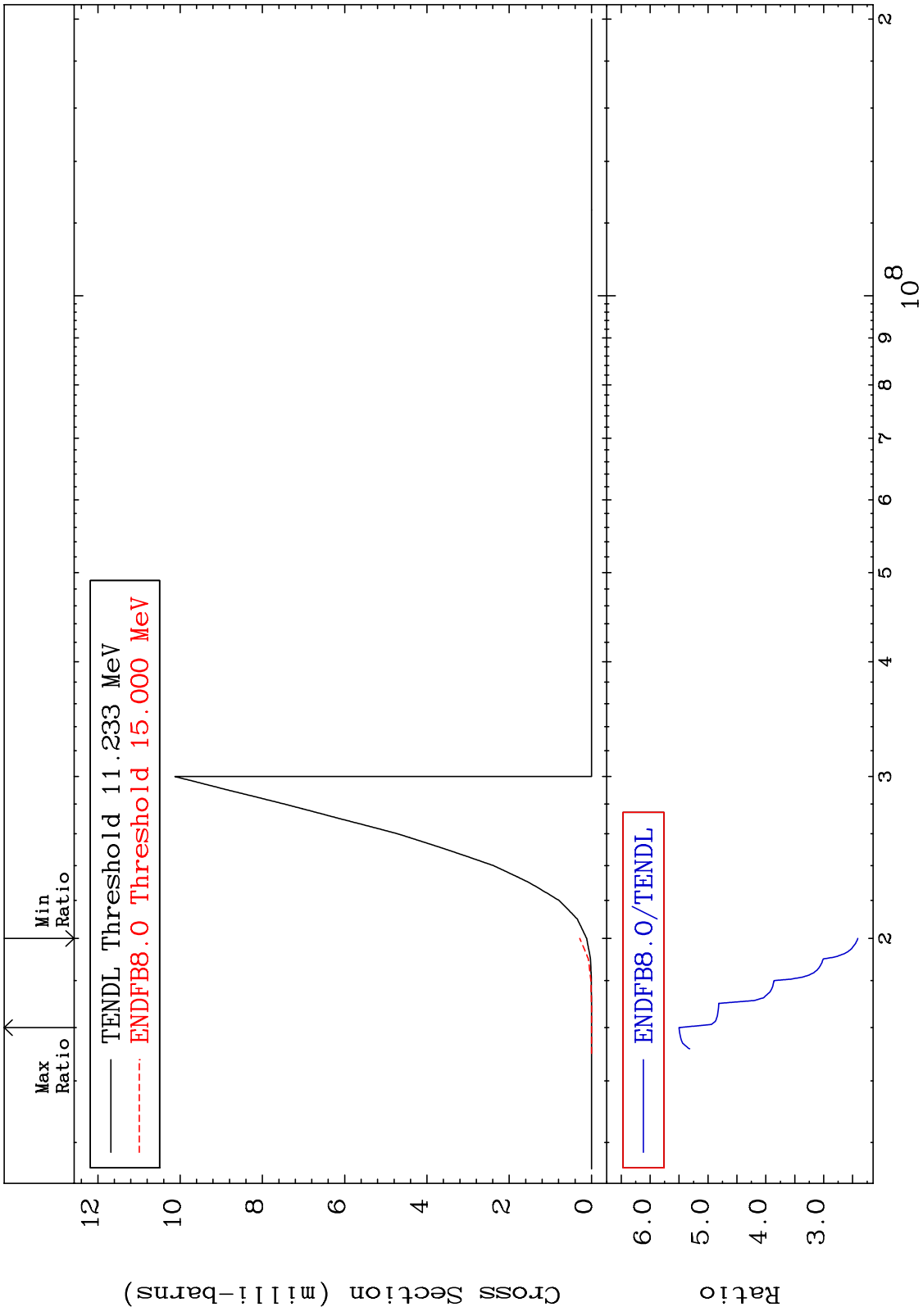


7

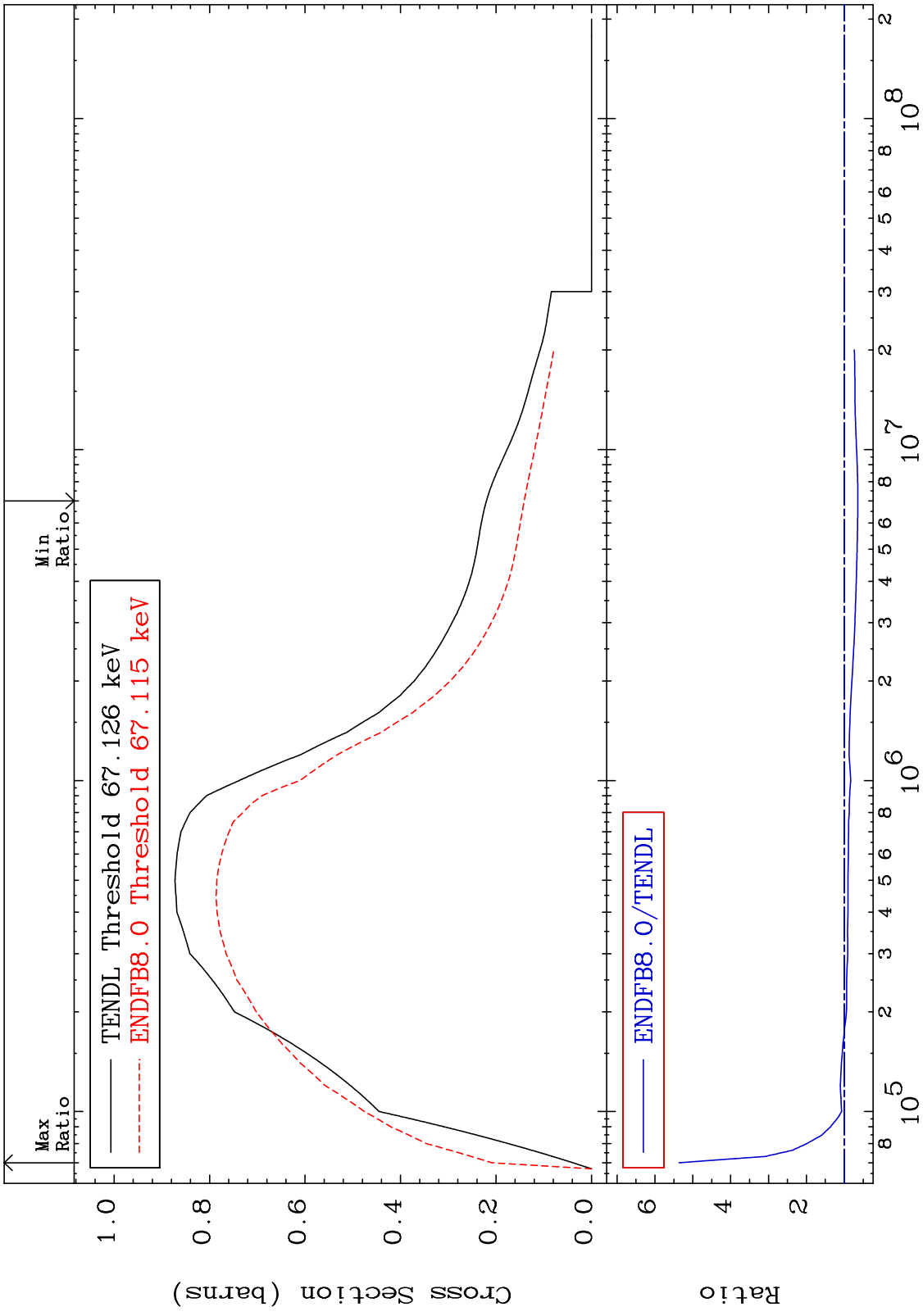
Incident Energy (eV)

⁷⁰Yb-171

MAT 7034 (n,n') d 70-Yb-171
 Cross Section 141.0 To 450.1 %

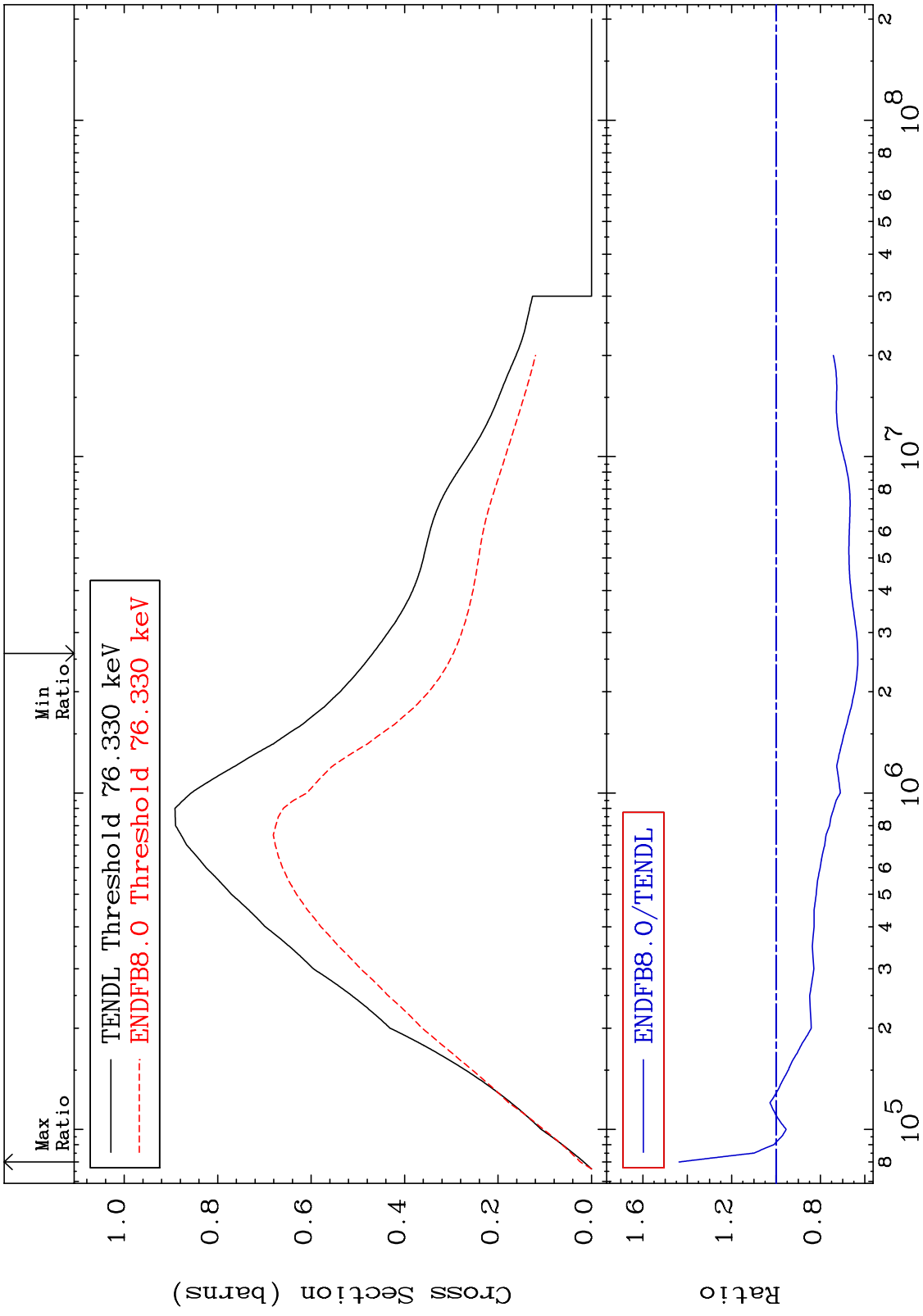


MAT 7034 MT= 51 (n,n') Level Cross Section 70-Yb-171 -35.97 To 436.3 %



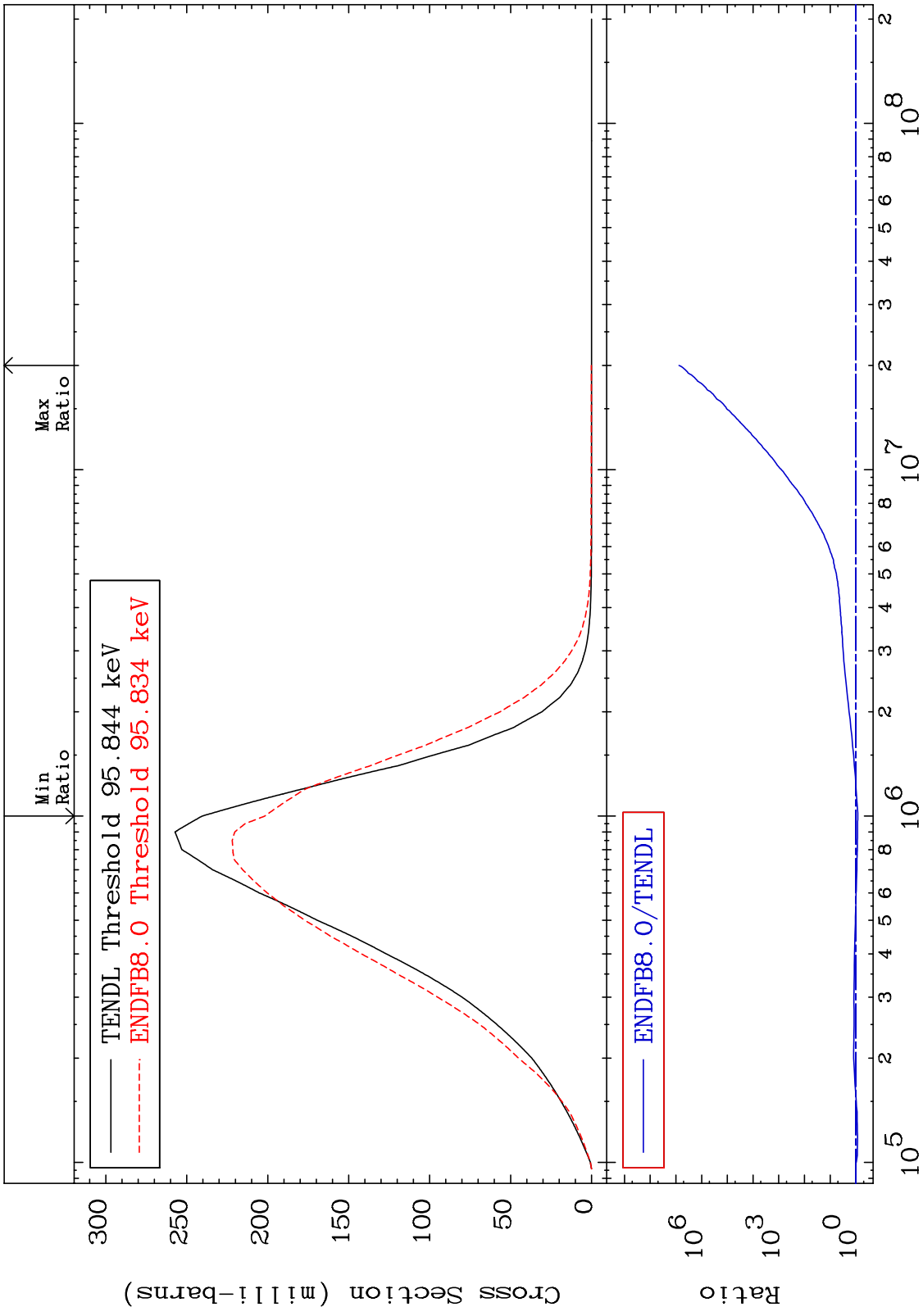
9 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 52 (n,n') Level Cross Section -36.83 To 43.76 % 70-Yb-171



70-Yb-171

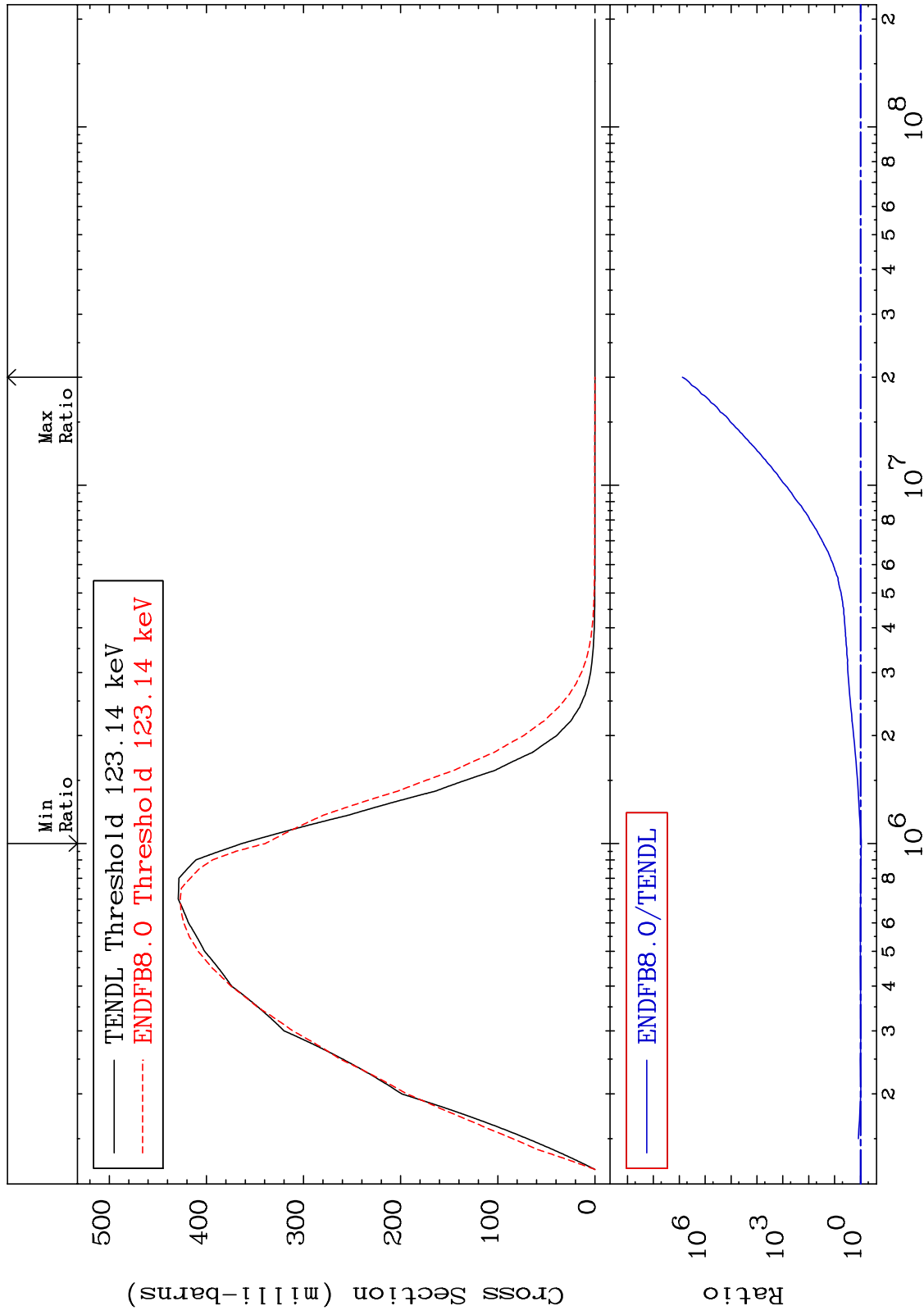
MAT 7034 MT= 53 (n,n') Level Cross Section 70-Yb-171
 -16.08 To 9999. %



MAT 7034

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

70-Yb-171
-6.588 To 9999. %

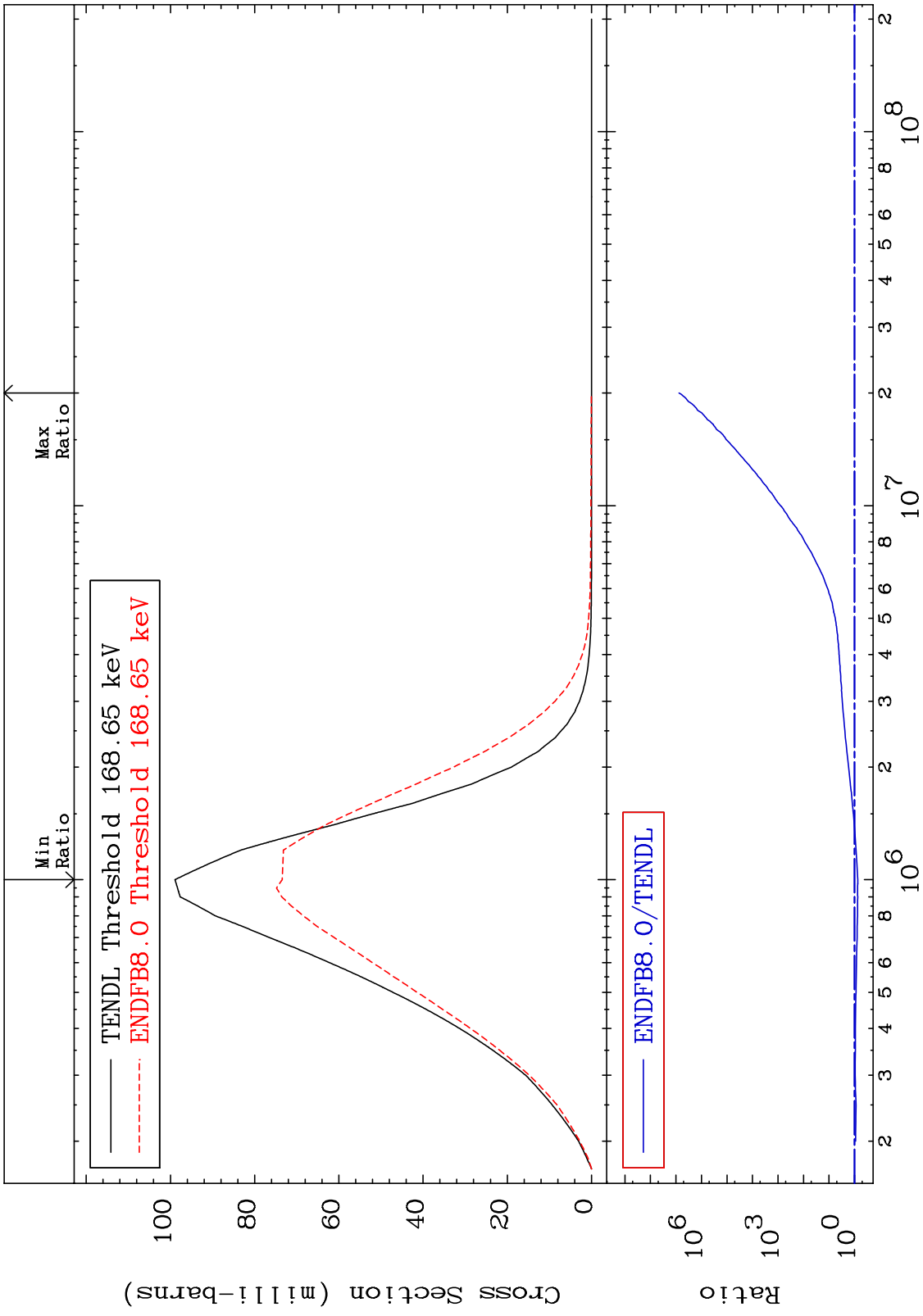


12

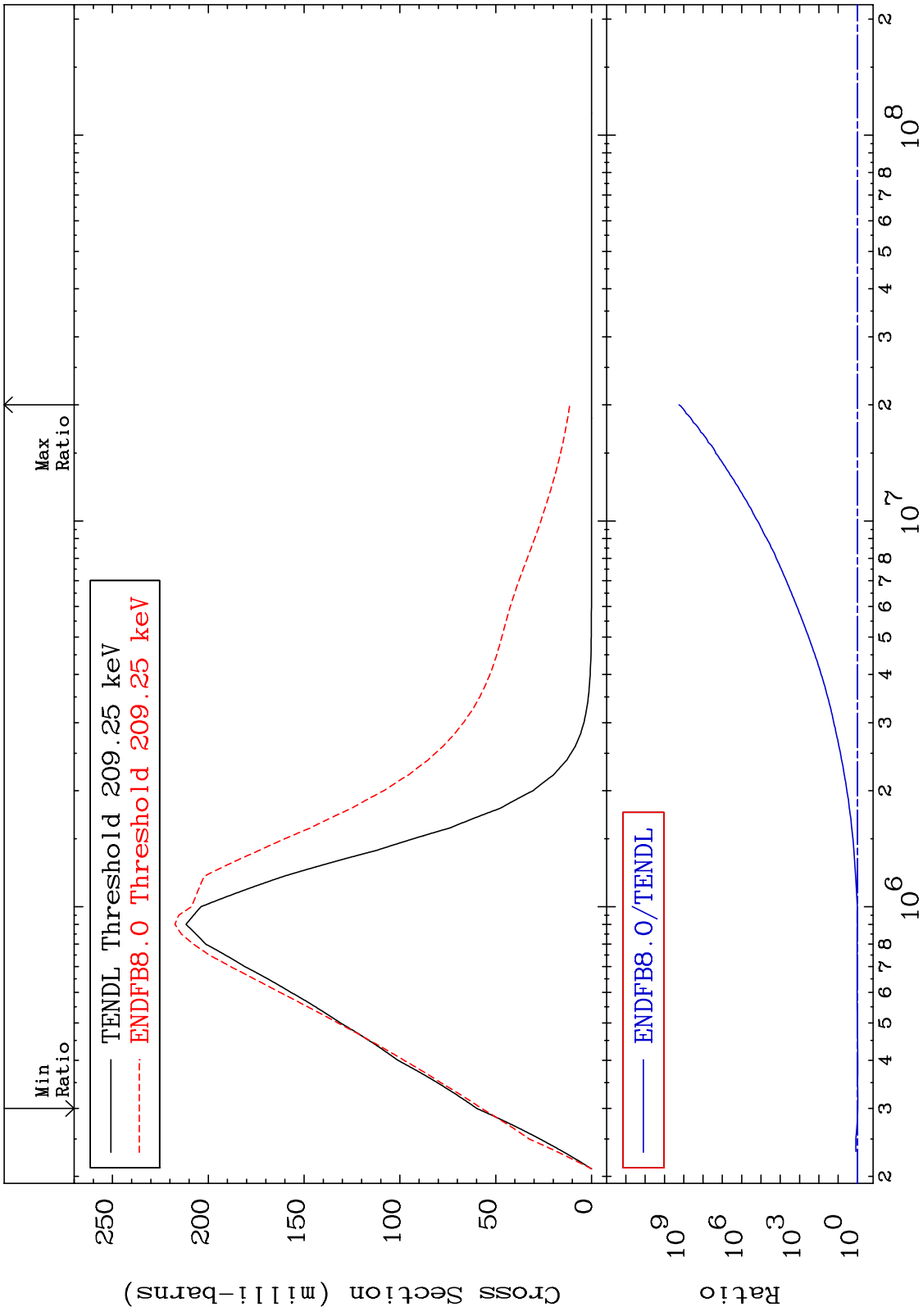
Incident Energy (eV)

70-Yb-171

MAT 7034 MT= 55 (n,n') Level Cross Section 70-Yb-171 -25.75 To 9999. %



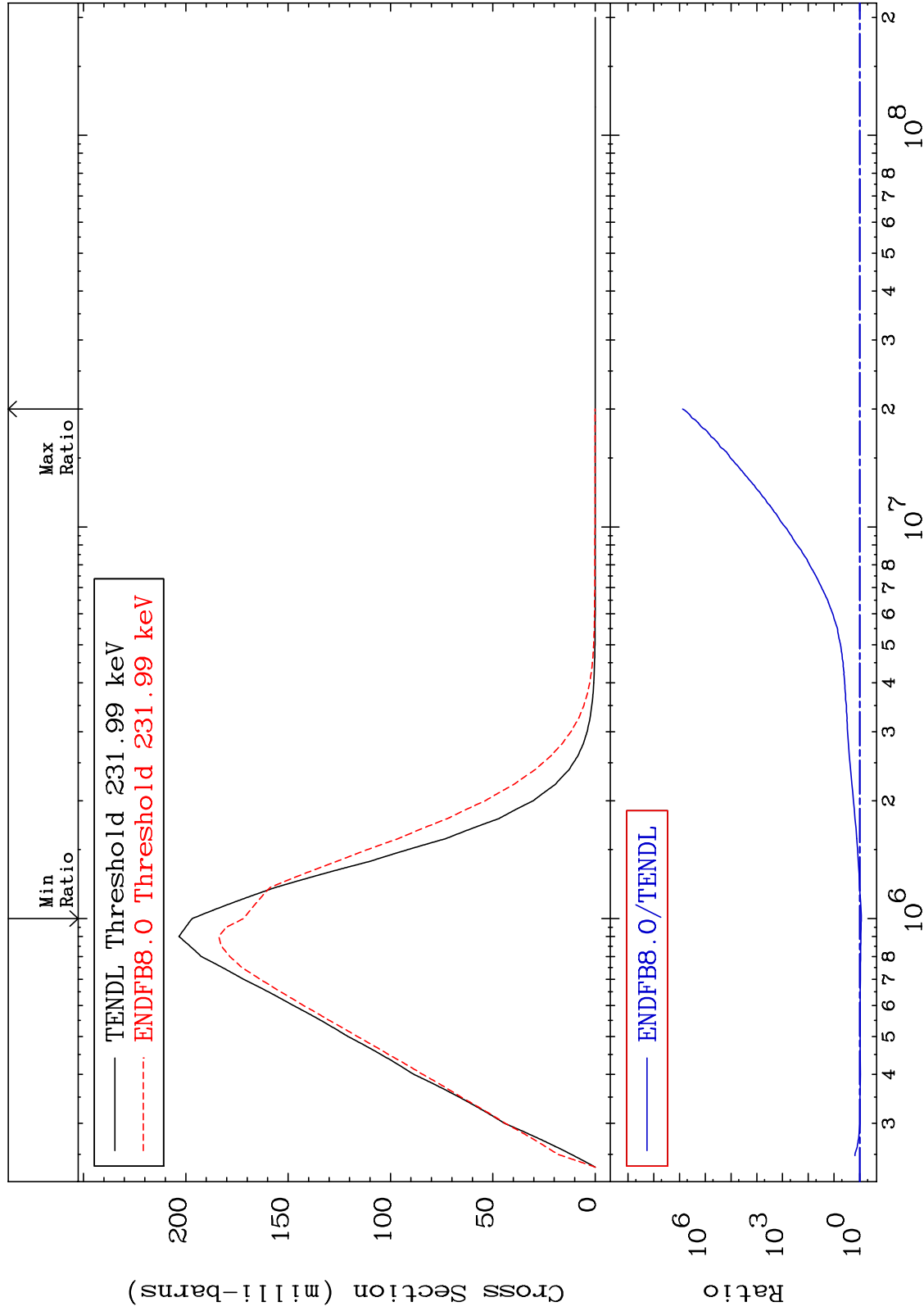
MAT 7034 MT= 56 (n,n') Level Cross Section 70-Yb-171 -4.204 To 9999. %



MAT 7034

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

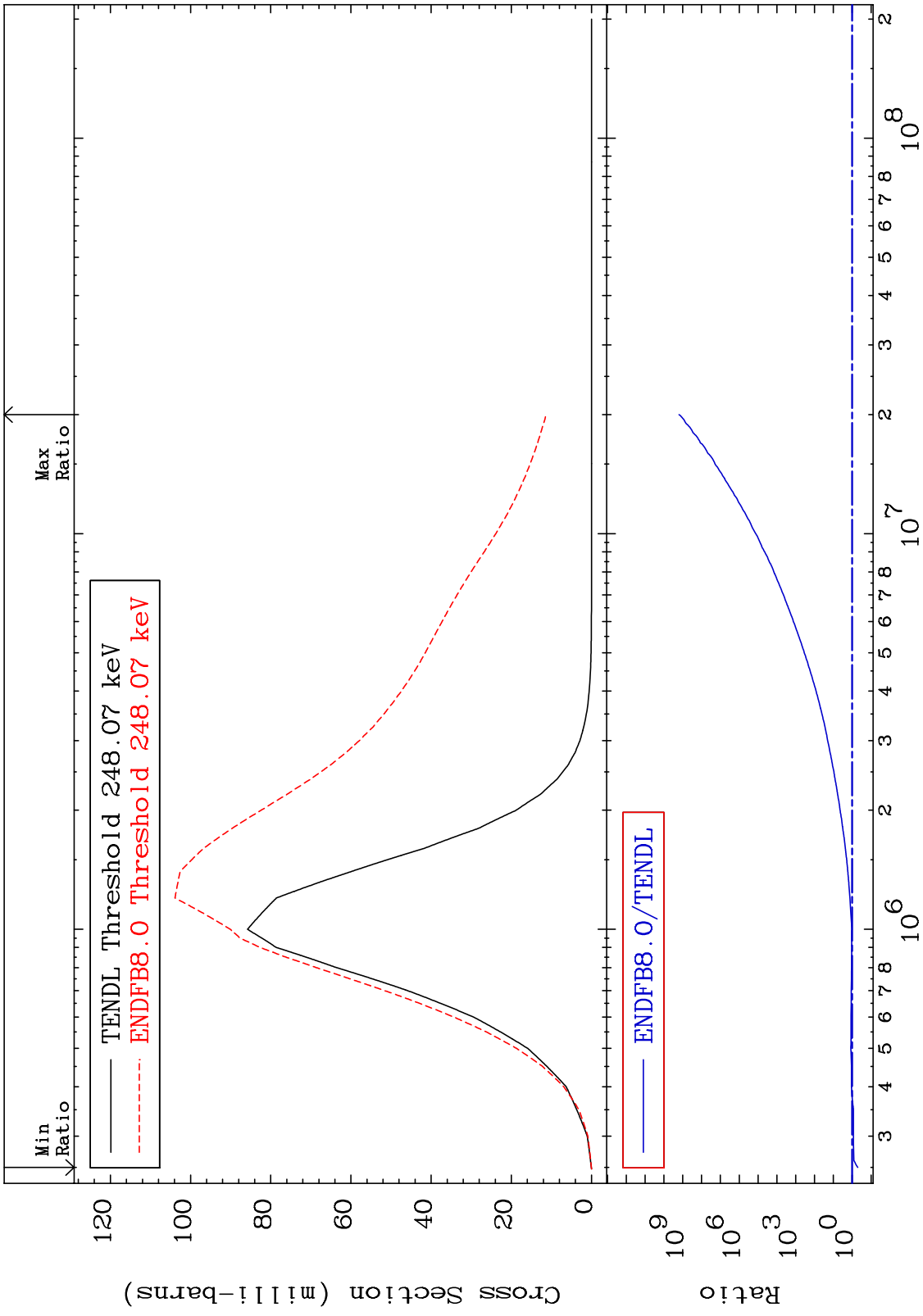
70-Yb-171
-12.75 To 9999. %



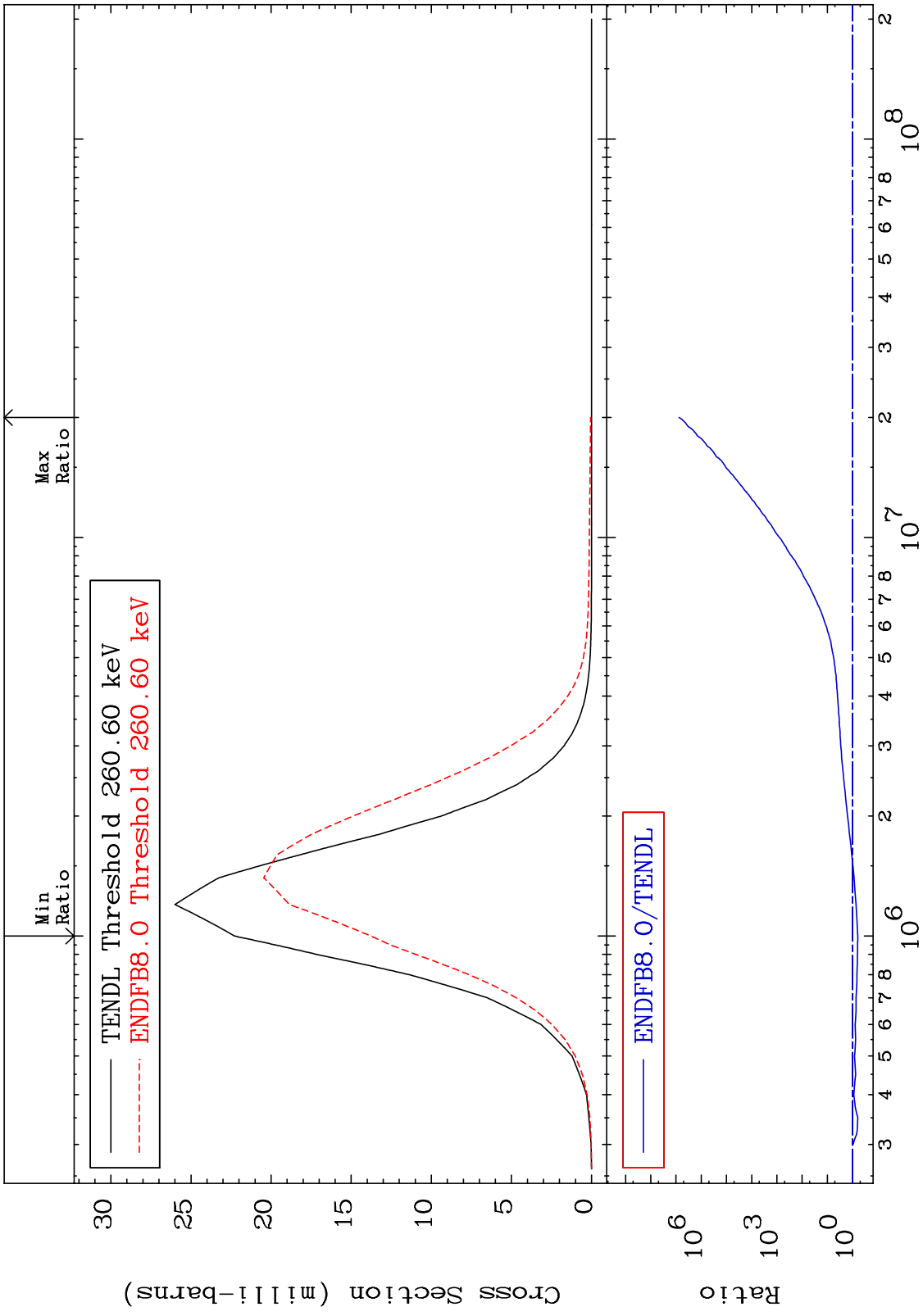
15

70-Yb-171

MAT 7034 MT= 58 (n,n') Level Cross Section 70-Yb-171
 -49.87 To 9999. %



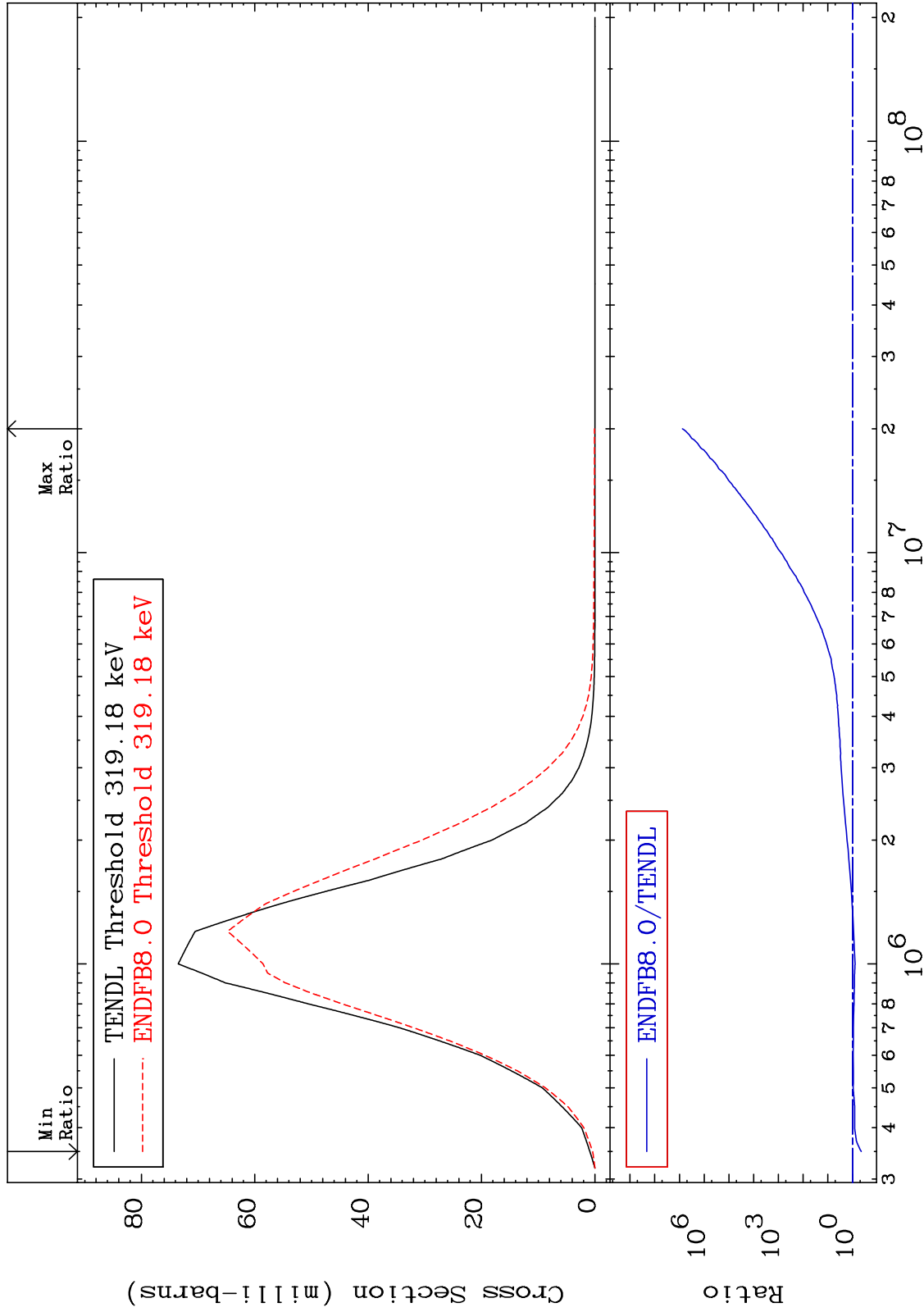
MAT 7034 MT= 59 (n,n') Level Cross Section 70-Yb-171
 -38.18 To 9999. %



MAT 7034

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

70-Yb-171
-55.44 To 9999. %

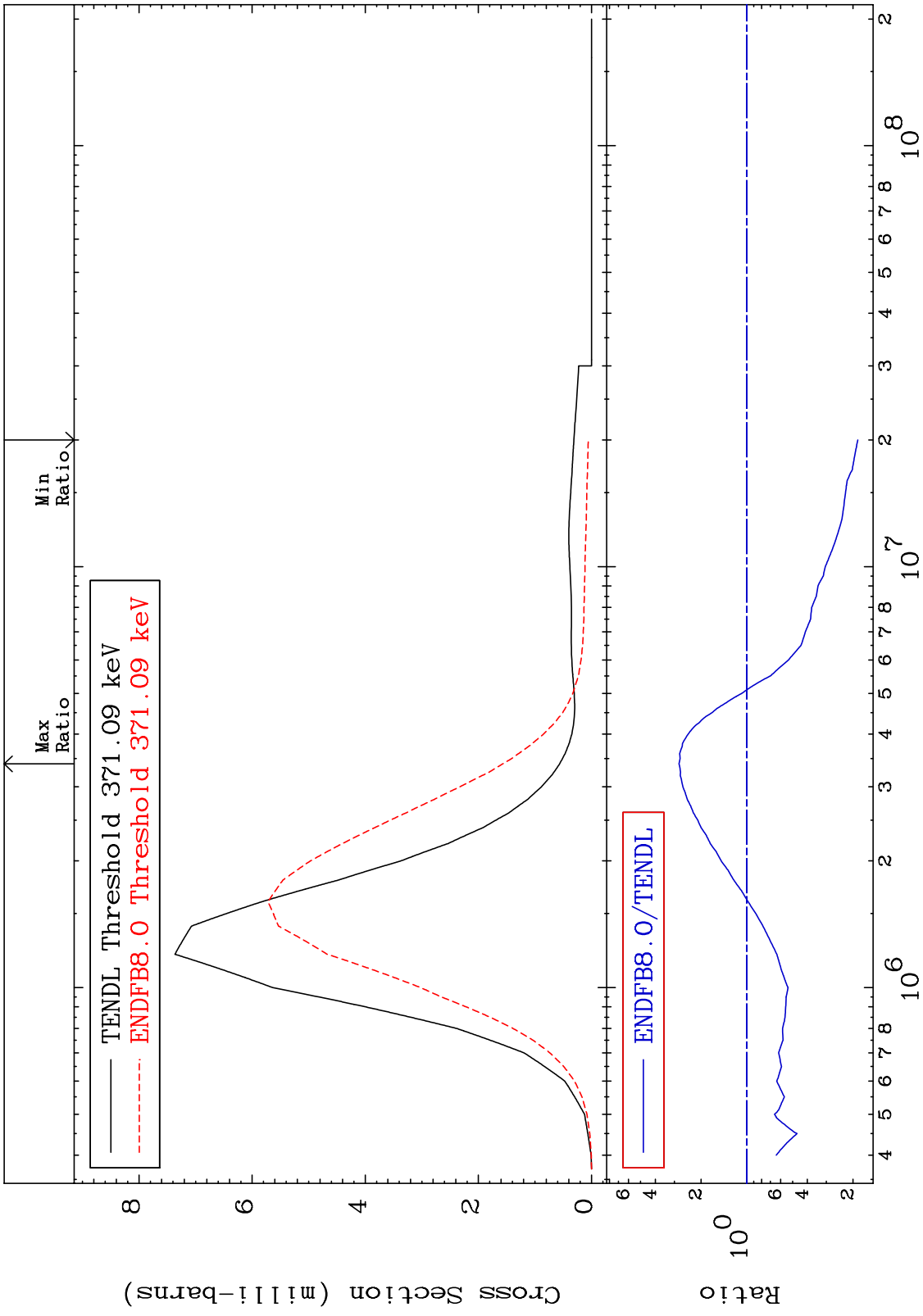


18

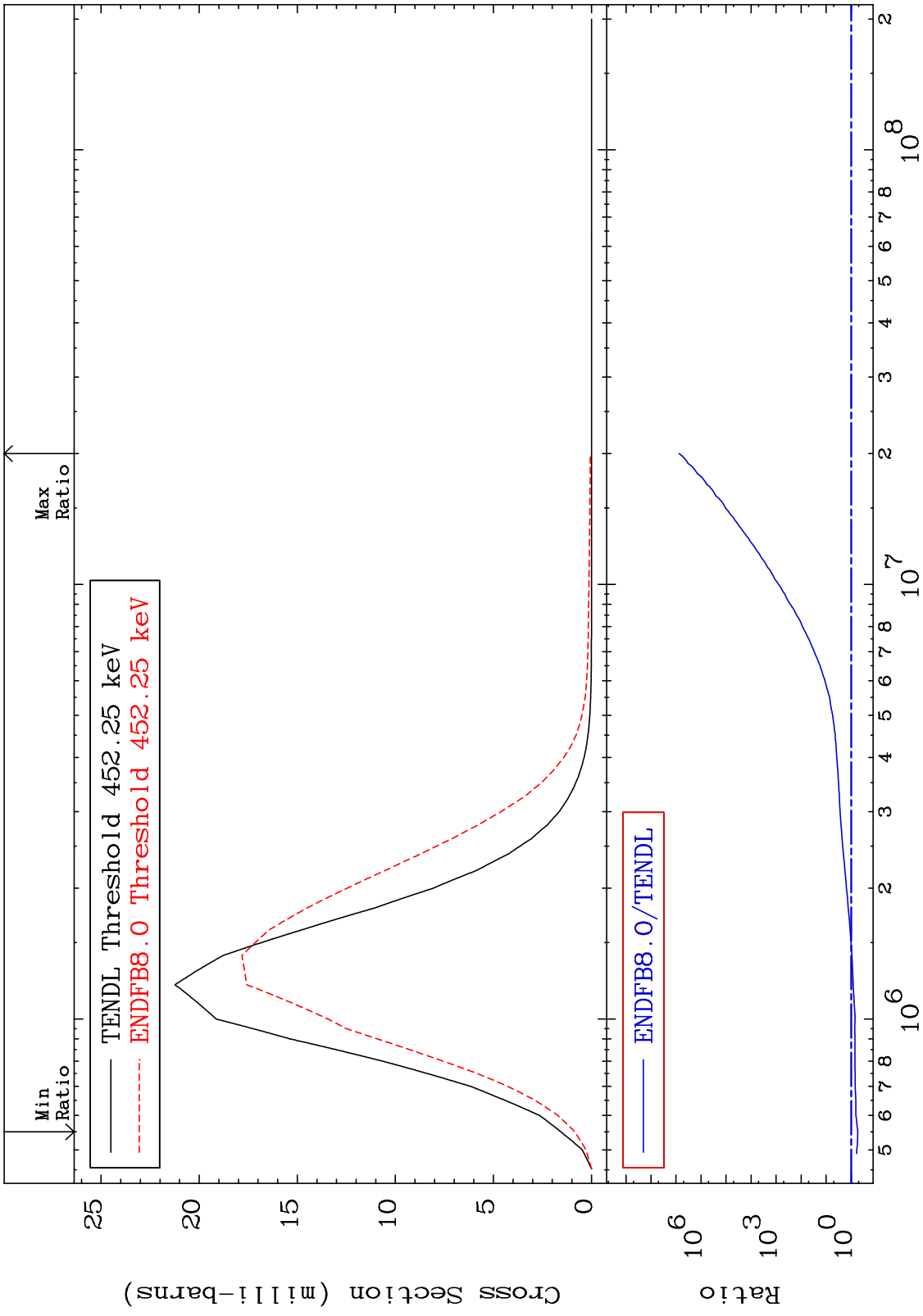
Incident Energy (eV)

70-Yb-171

MAT 7034 MT= 61 (n,n') Level Cross Section 70-Yb-171 -81.40 To 179.1 %

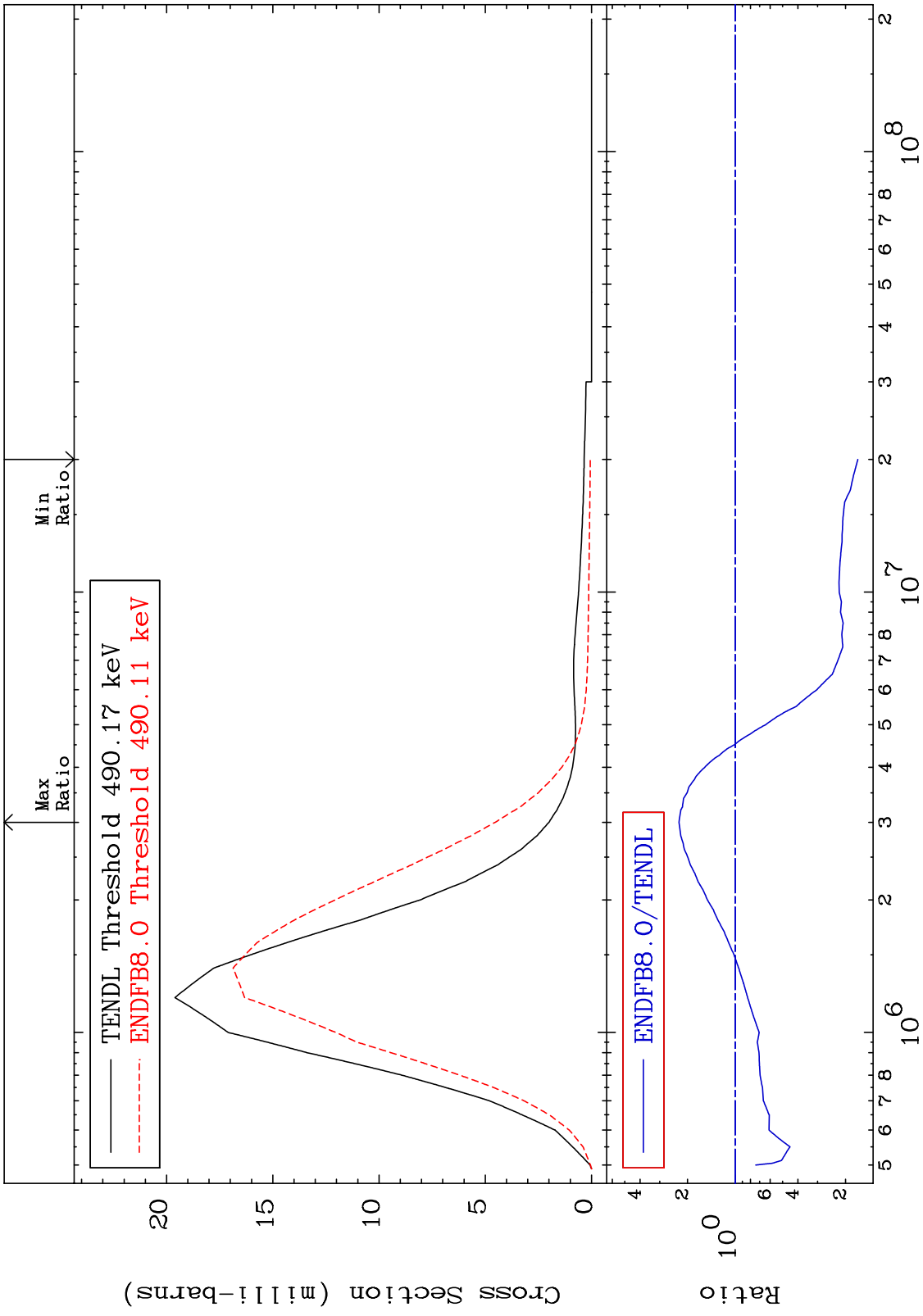


MAT 7034 MT= 62 (n,n') Level Cross Section 70-Yb-171
 -45.64 To 9999. %

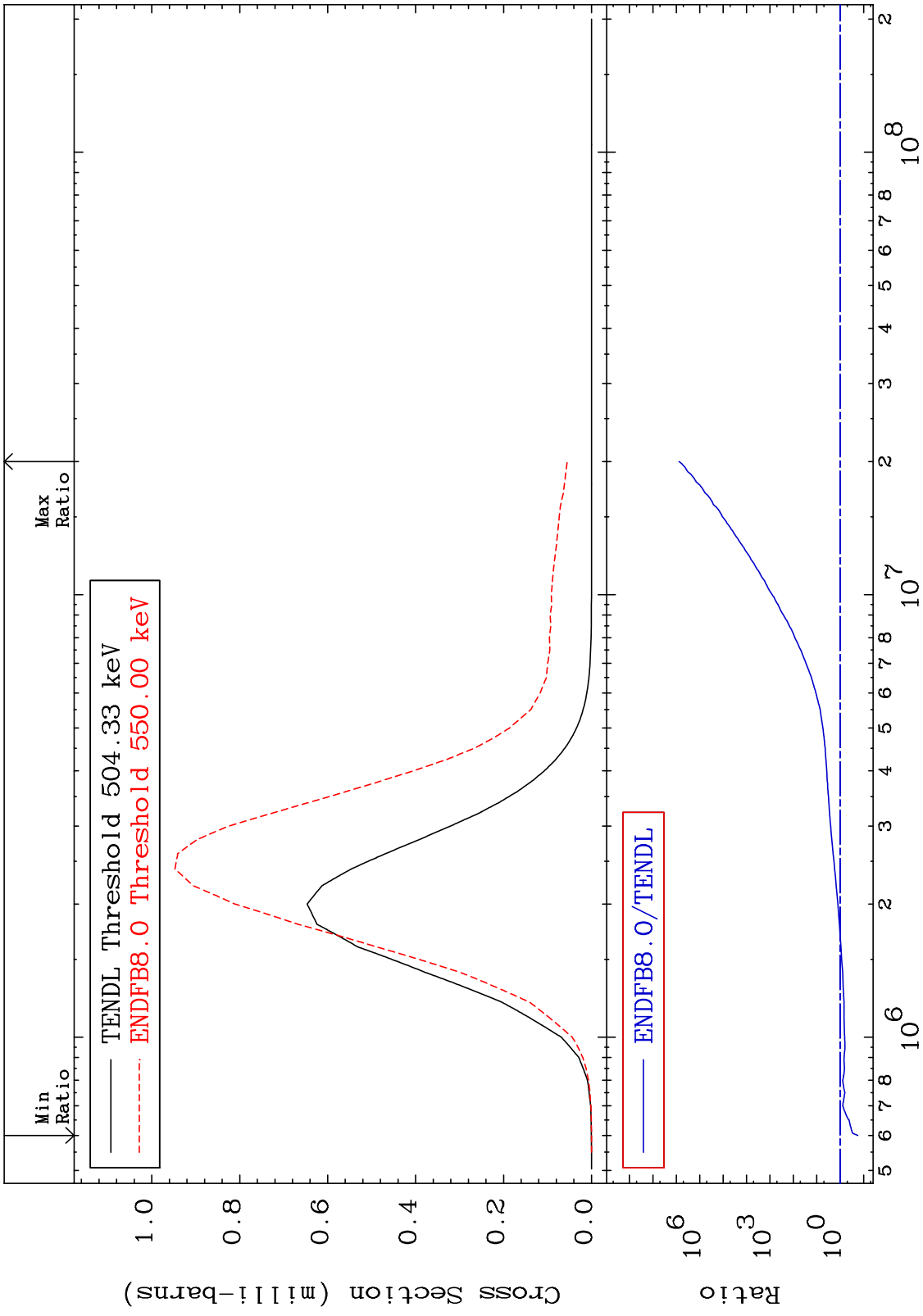


20 Incident Energy (eV) 70-Yb-171

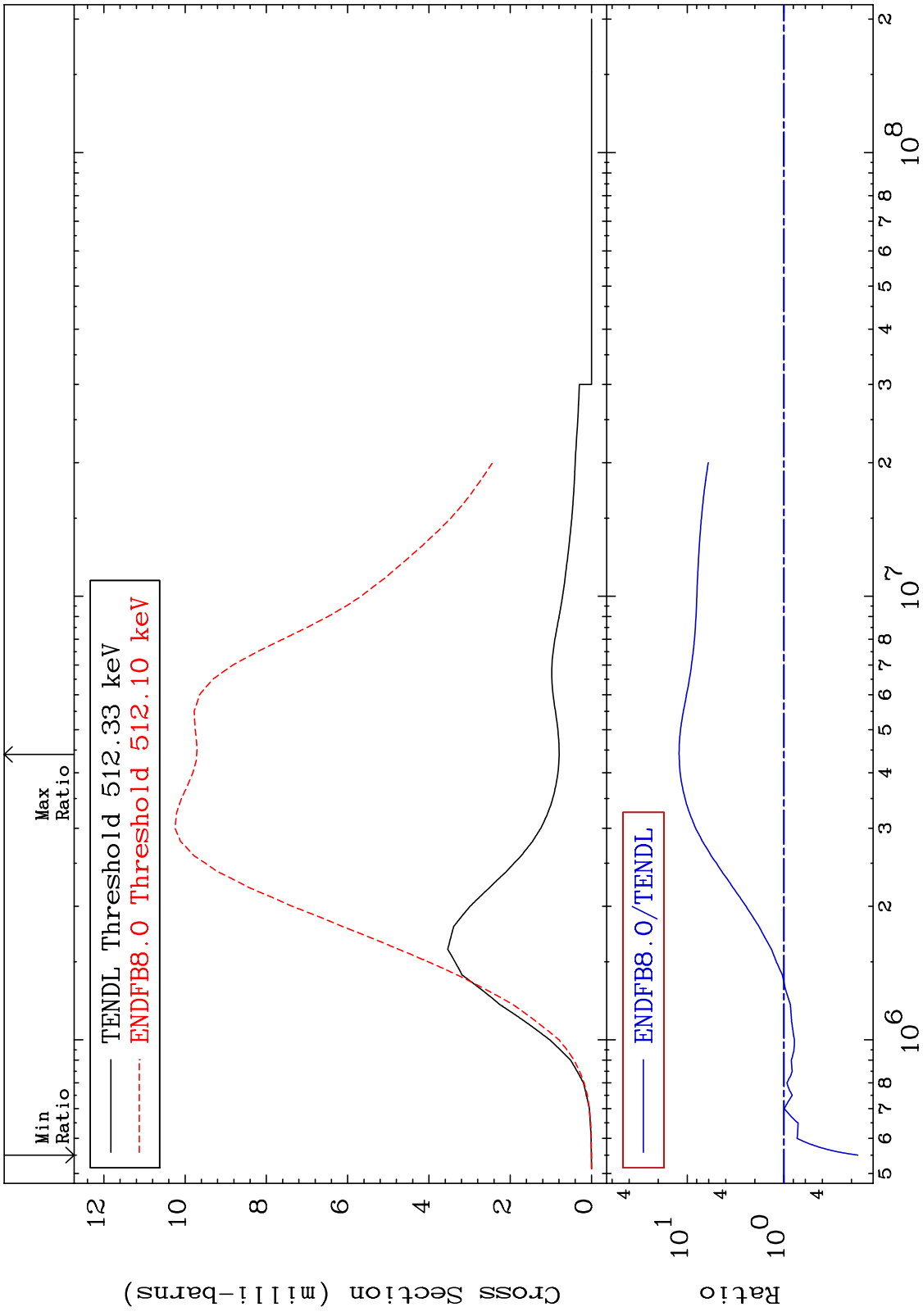
MAT 7034 MT= 63 (n,n') Level Cross Section 70-Yb-171
 -83.30 To 126.4 %



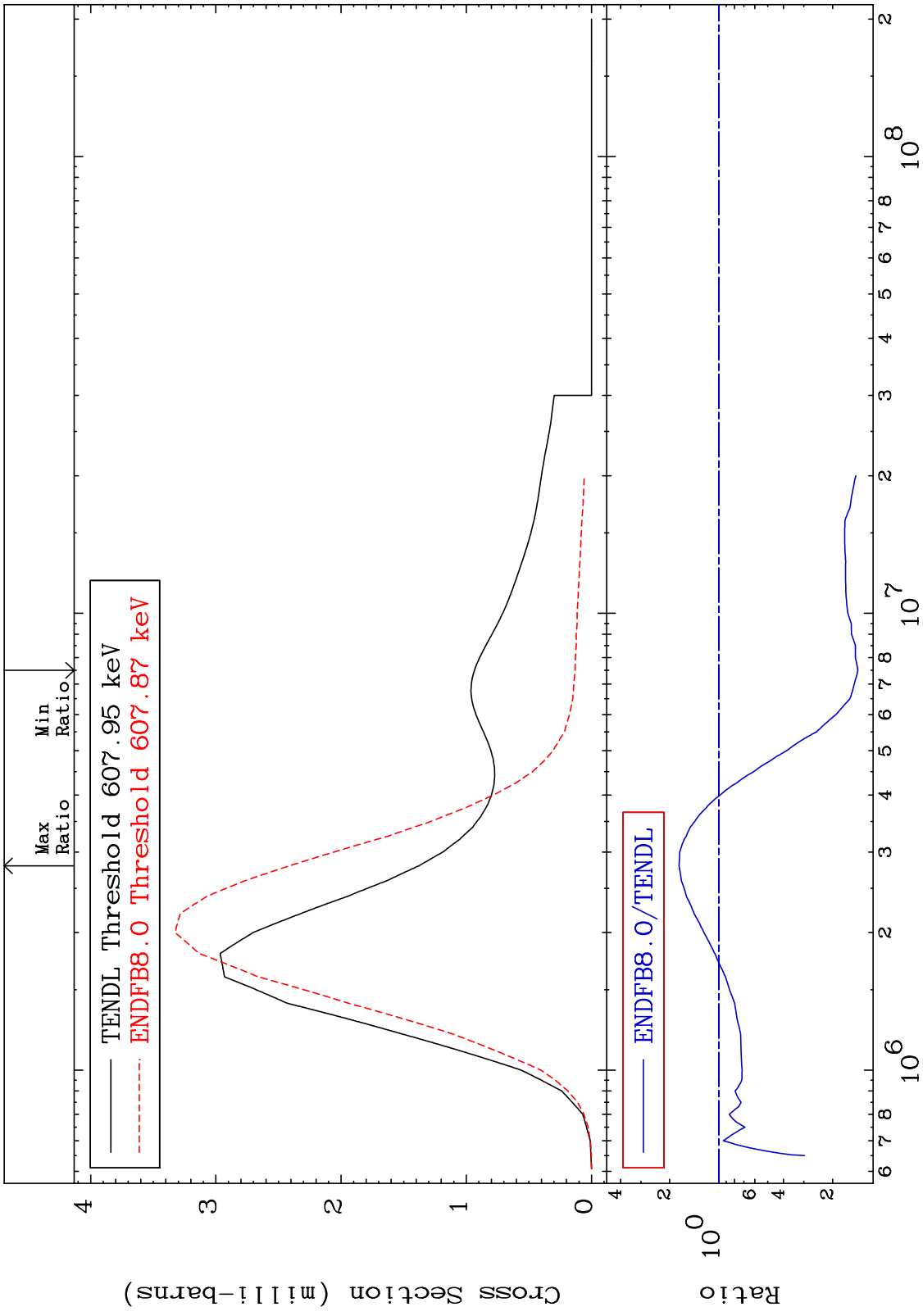
MAT 7034 MT= 64 (n,n') Level Cross Section 70-Yb-171
 -82.39 To 9999. %



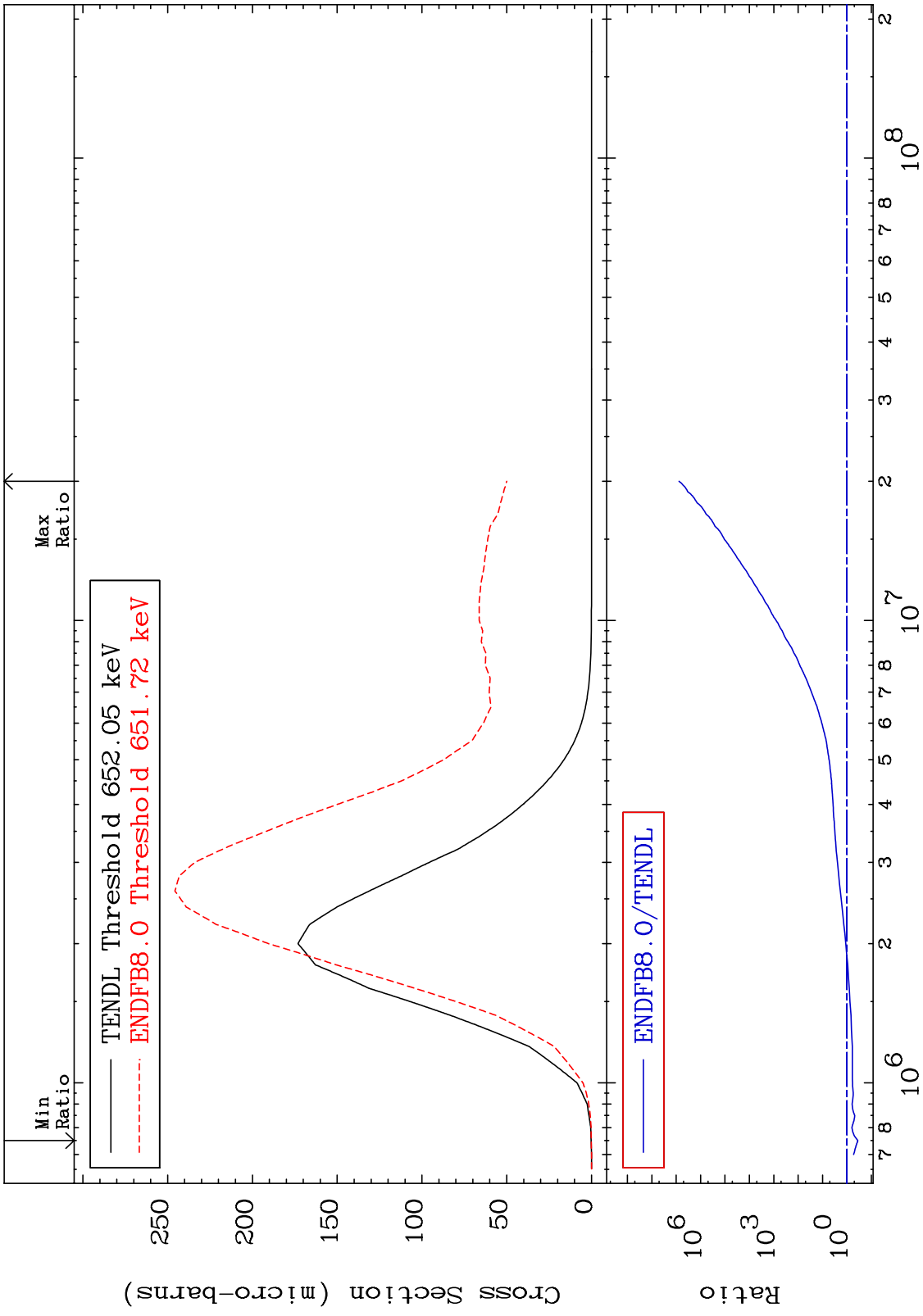
MAT 7034 MT= 65 (n,n') Level Cross Section 70-Yb-171 -82.87 To 1118. %



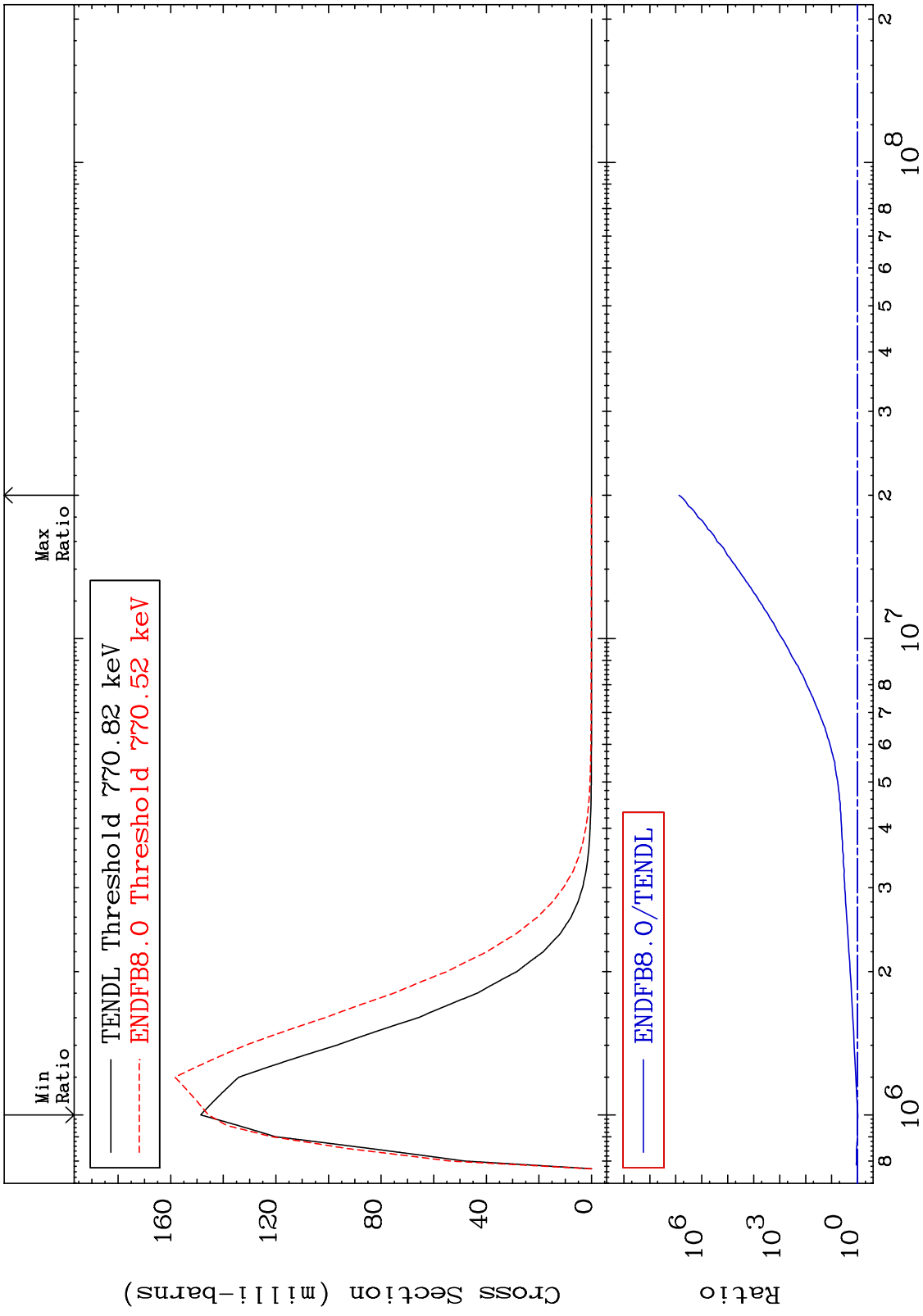
MAT 7034 MT= 66 (n,n') Level Cross Section 70-Yb-171
 -86.00 To 75.02 %



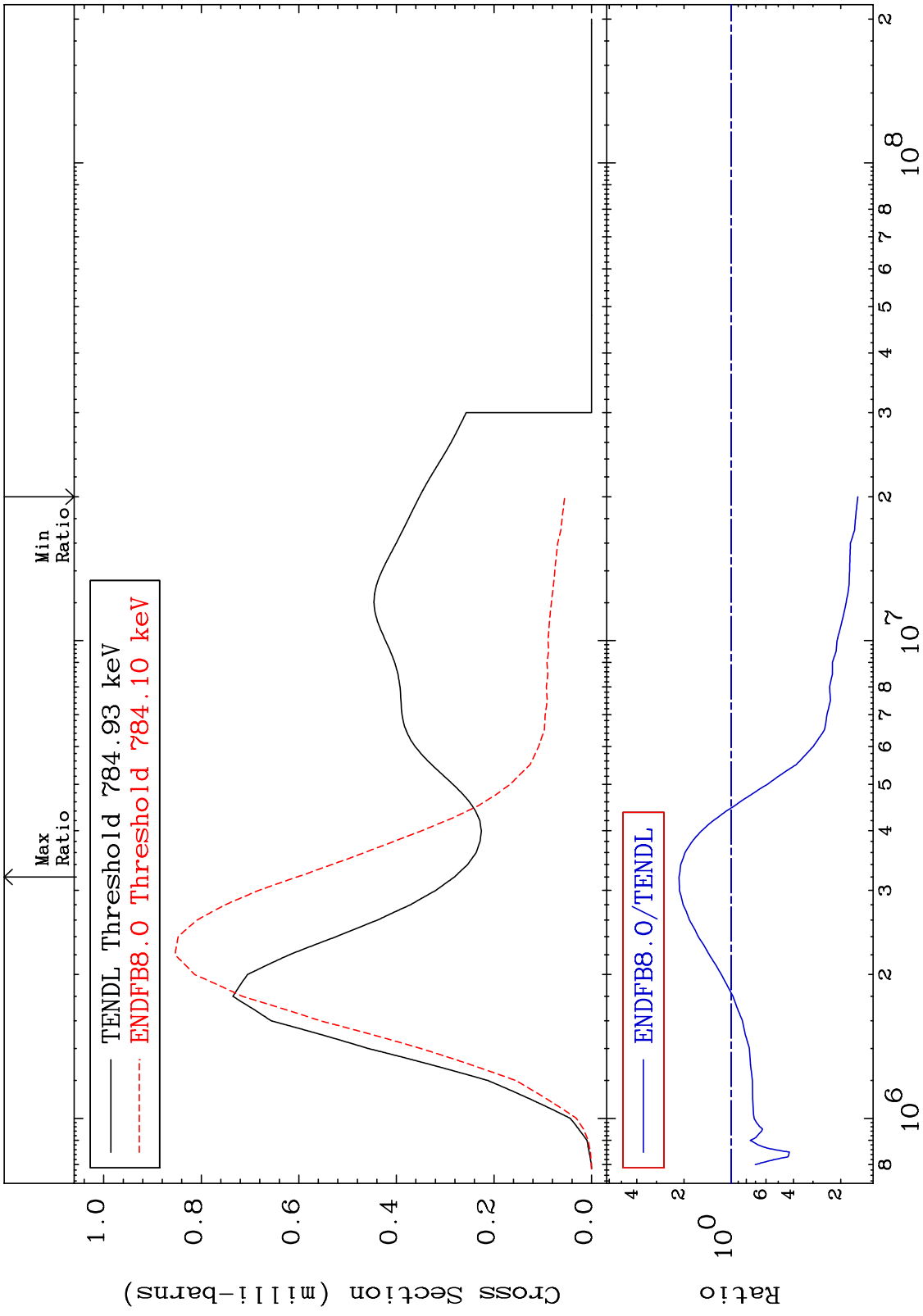
MAT 7034 MT= 67 (n,n') Level Cross Section 70-Yb-171
 -64.49 To 9999. %



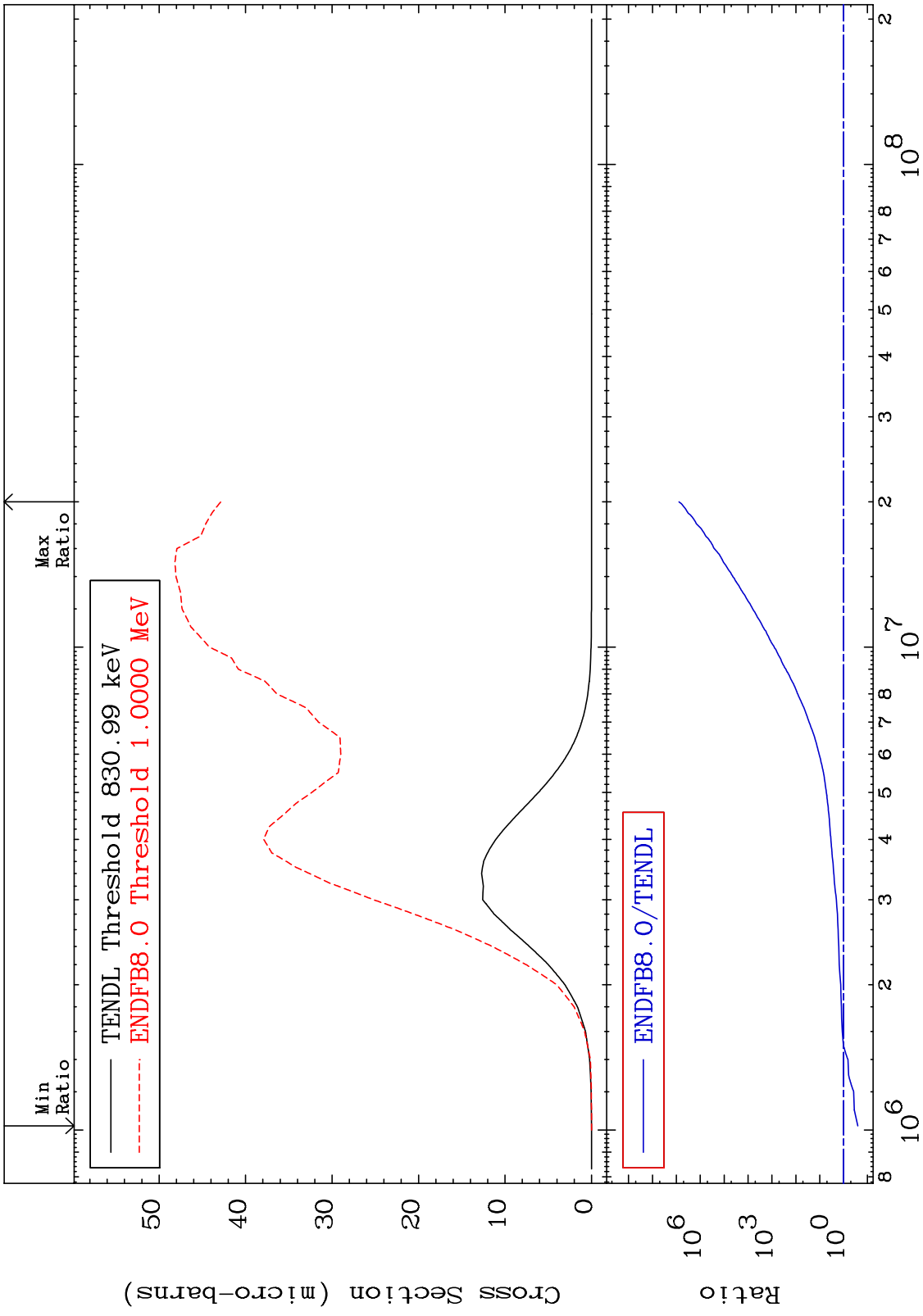
MAT 7034 MT= 68 (n,n') Level Cross Section 70-Yb-171 -1.976 To 9999. %



MAT 7034 MT= 69 (n,n') Level Cross Section 70-Yb-171 -84.47 To 114.9 %



MAT 7034 MT= 70 (n,n') Level Cross Section 70-Yb-171
 -74.60 To 9999. %

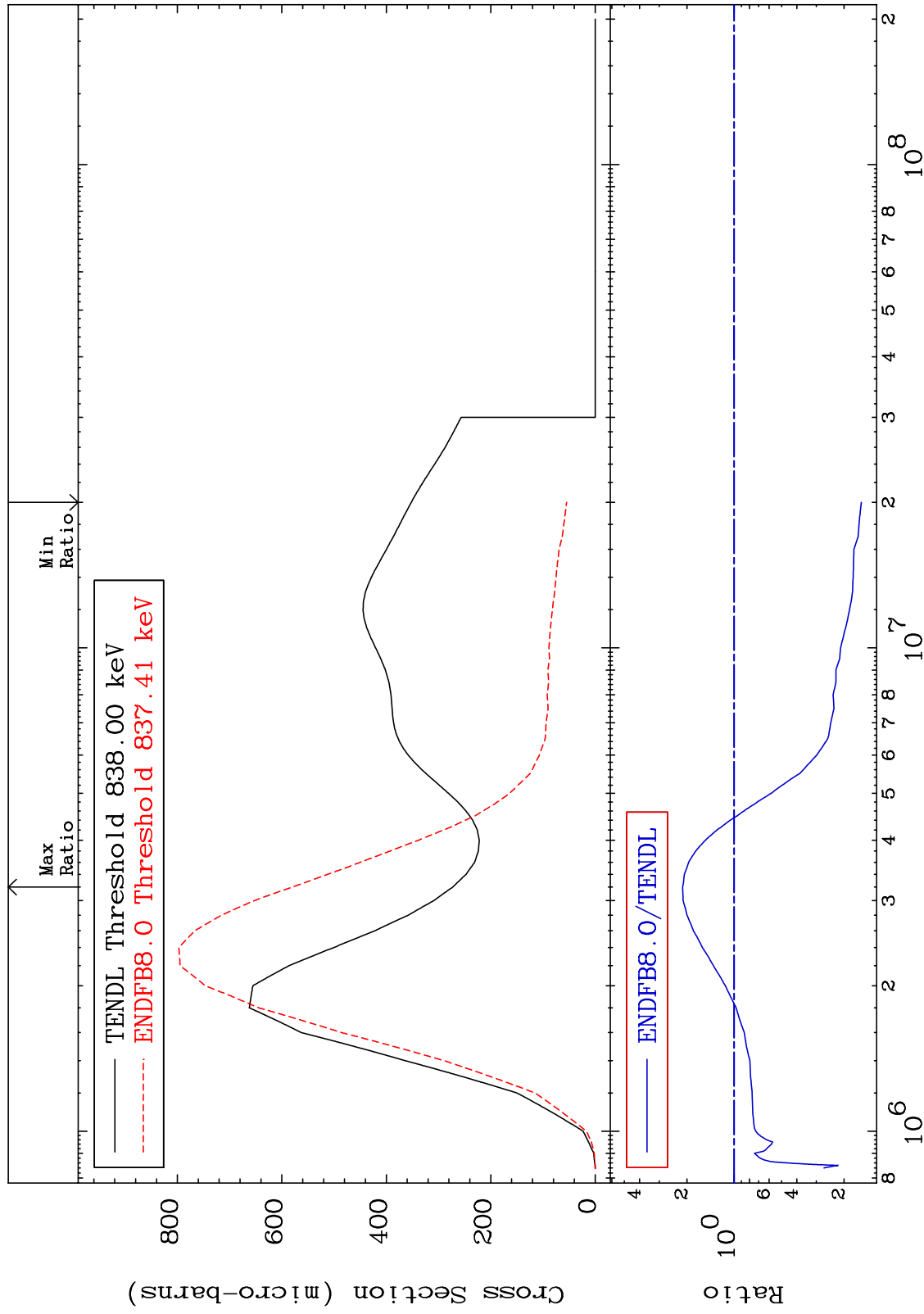


28 Incident Energy (eV) 70-Yb-171

MAT 7034

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

70-Yb-171
-84.47 To 112.7 %

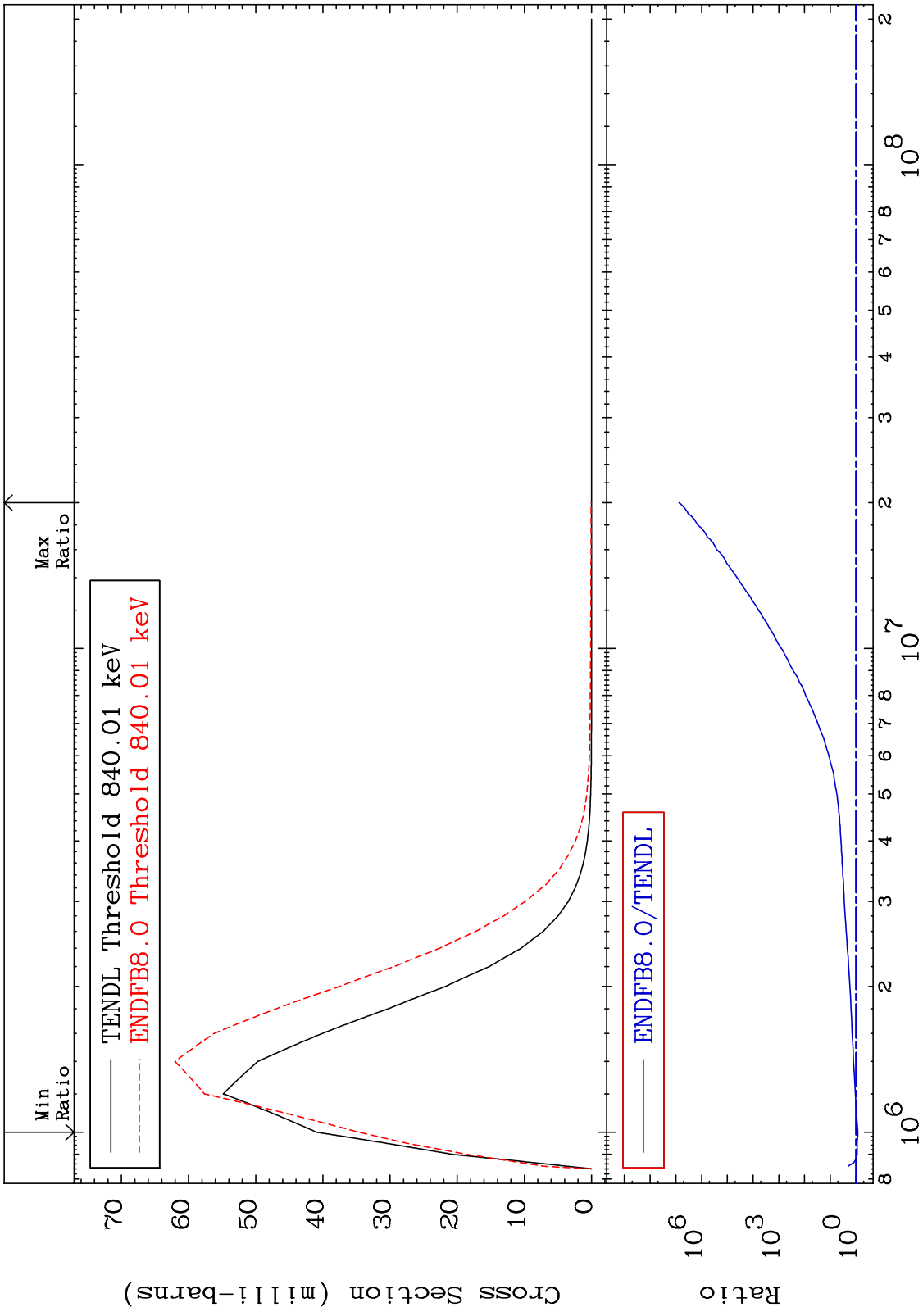


29

Incident Energy (eV)

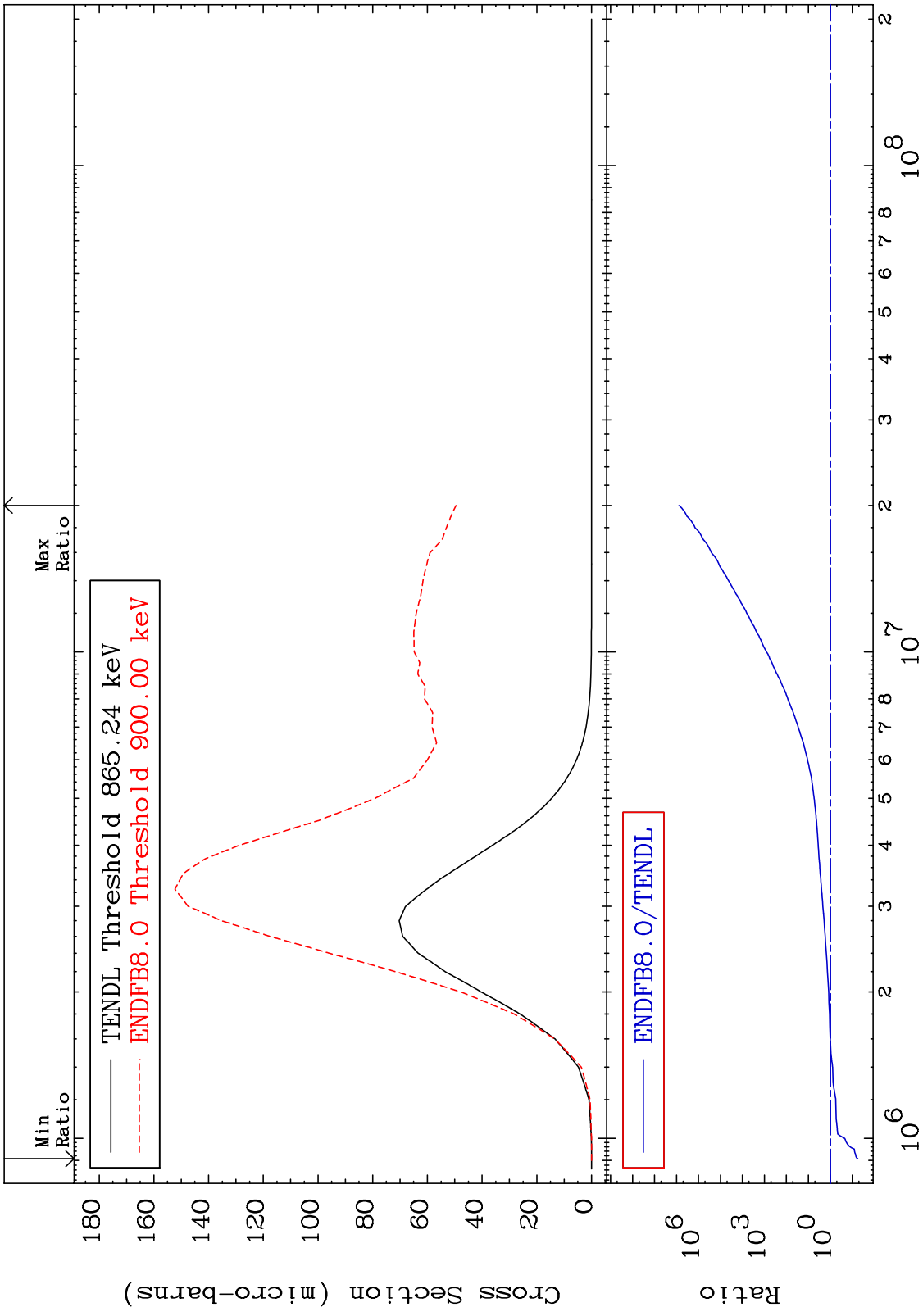
70-Yb-171

MAT 7034 MT= 72 (n,n') Level Cross Section 70-Yb-171
 -15.35 To 9999. %

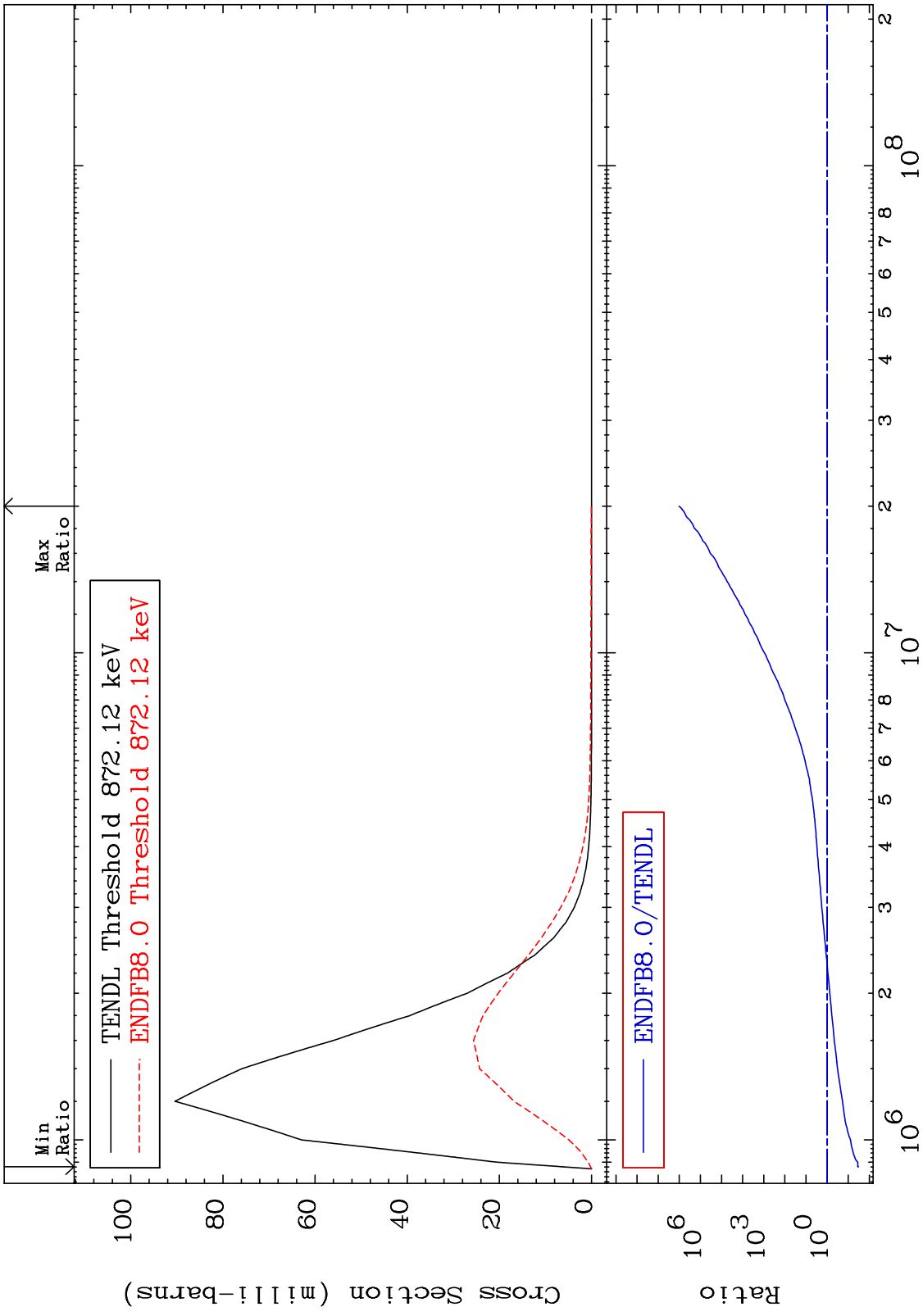


30 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 73 (n,n') Level Cross Section 70-Yb-171
 -94.43 To 9999. %

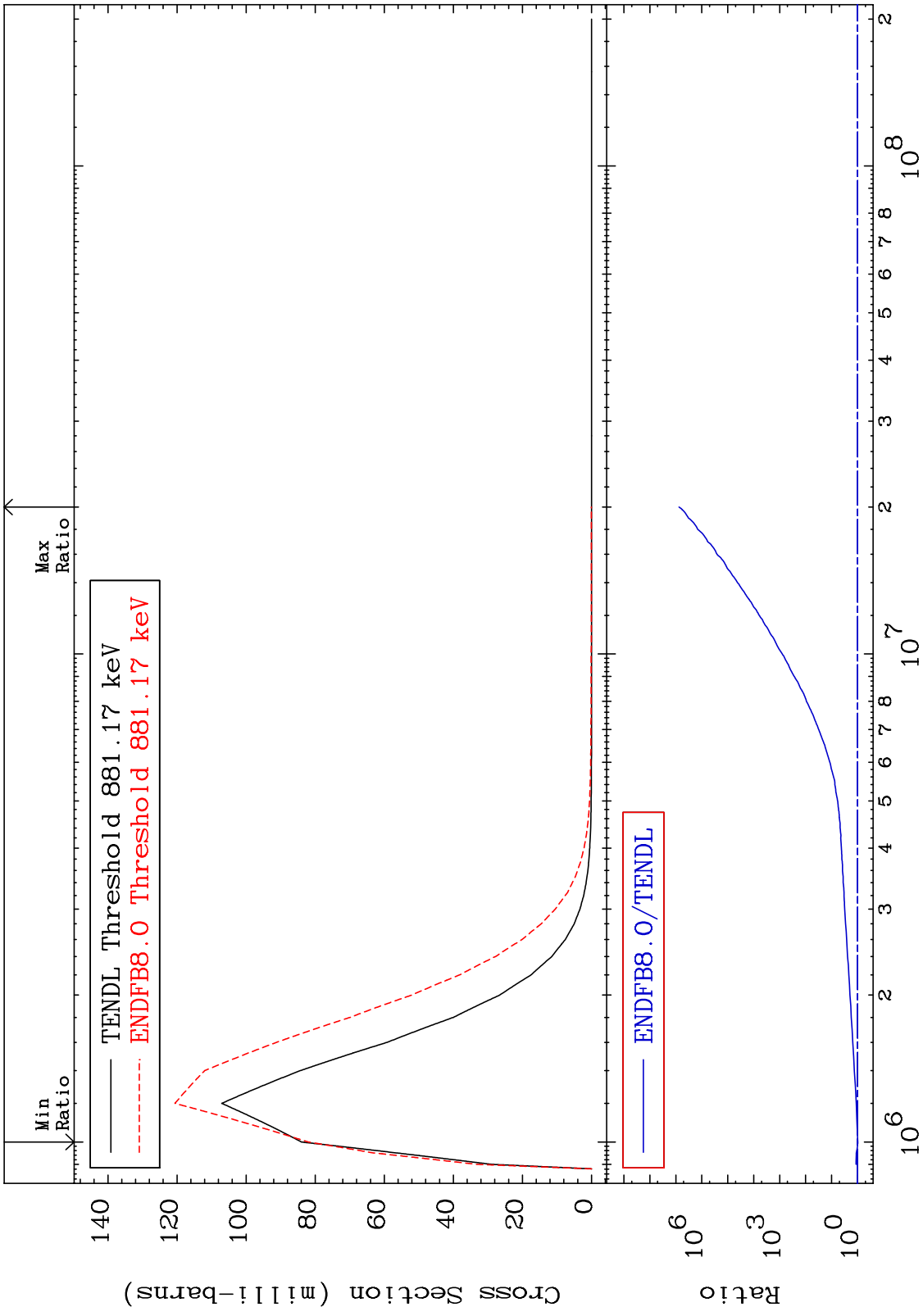


MAT 7034 MT= 74 (n,n') Level Cross Section 70-Yb-171
 -96.50 To 9999. %

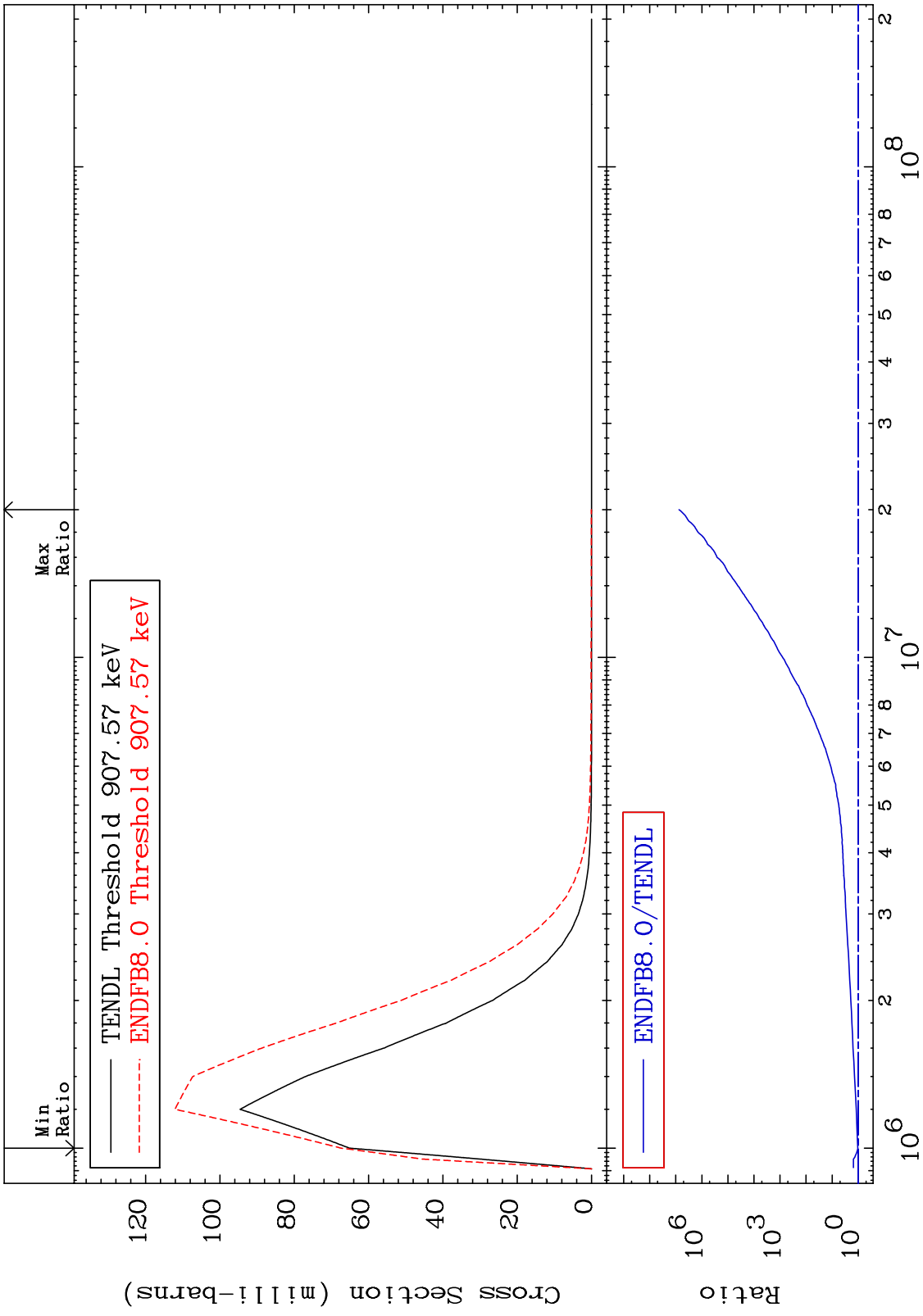


32 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 75 (n,n') Level Cross Section 70-Yb-171
 -2.357 To 9999. %

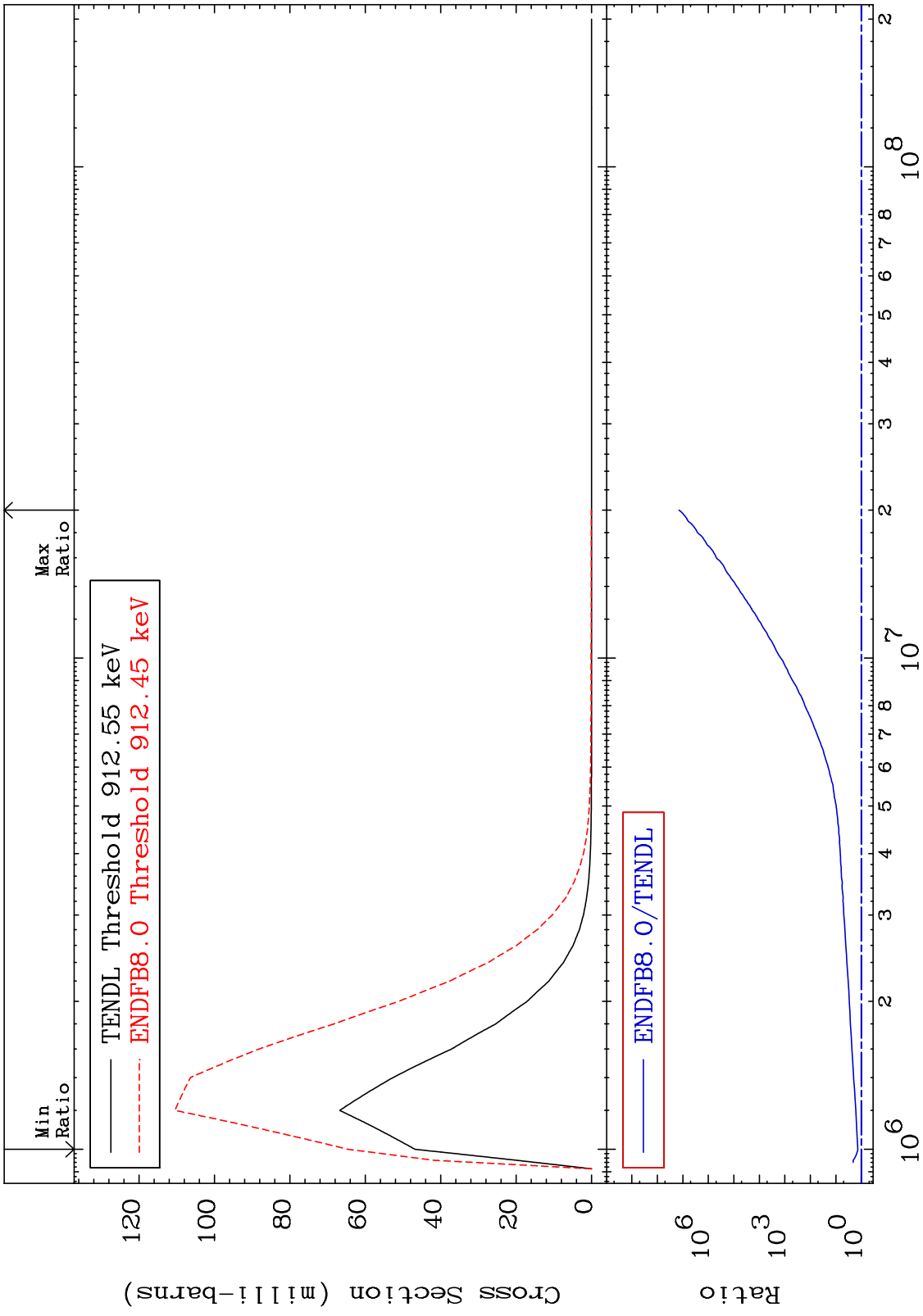


MAT 7034 MT= 76 (n,n') Level Cross Section 70-Yb-171 To 9999. %
 3.369



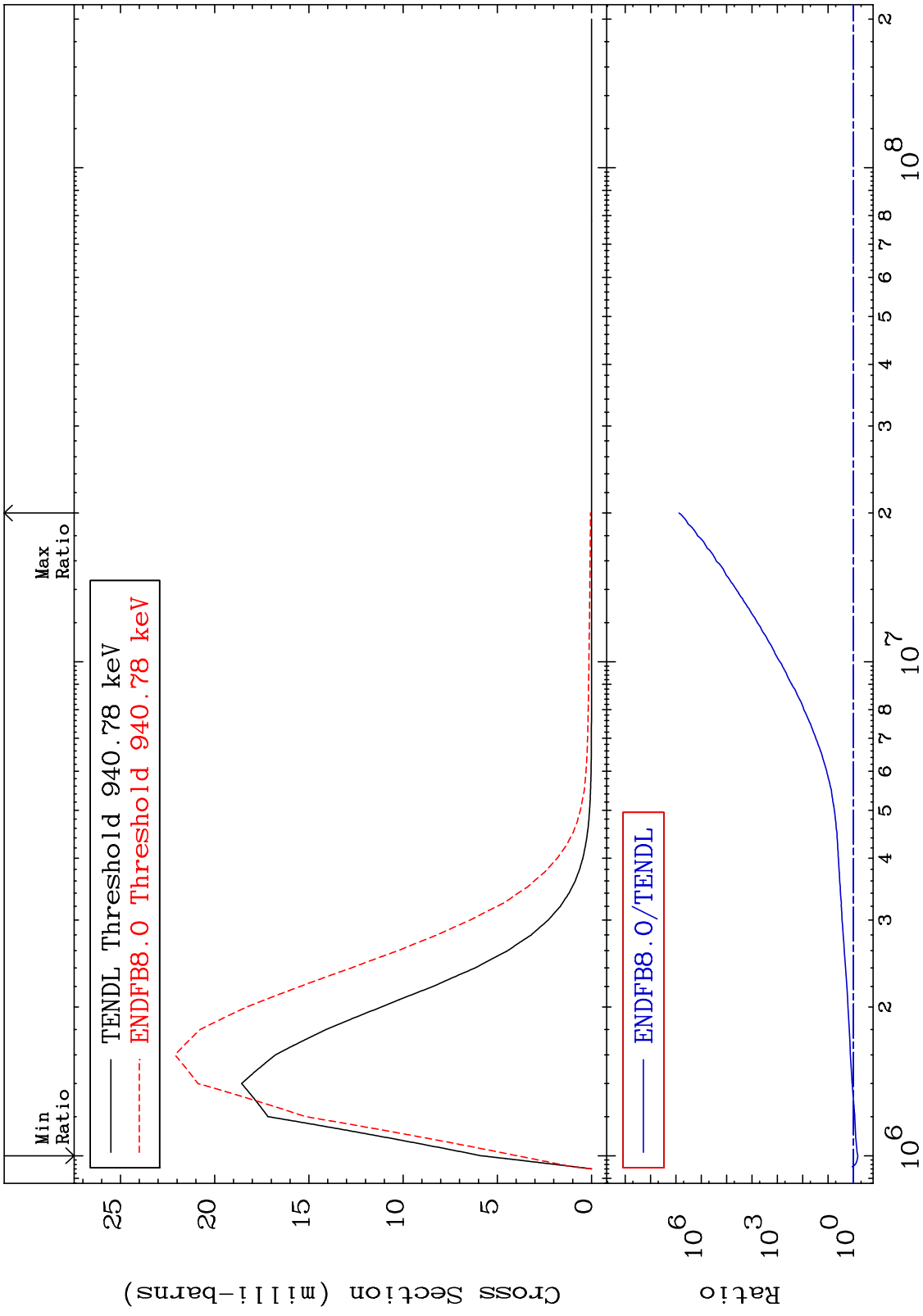
34 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 77 (n,n') Level Cross Section 70-Yb-171 37.87 To 9999. %



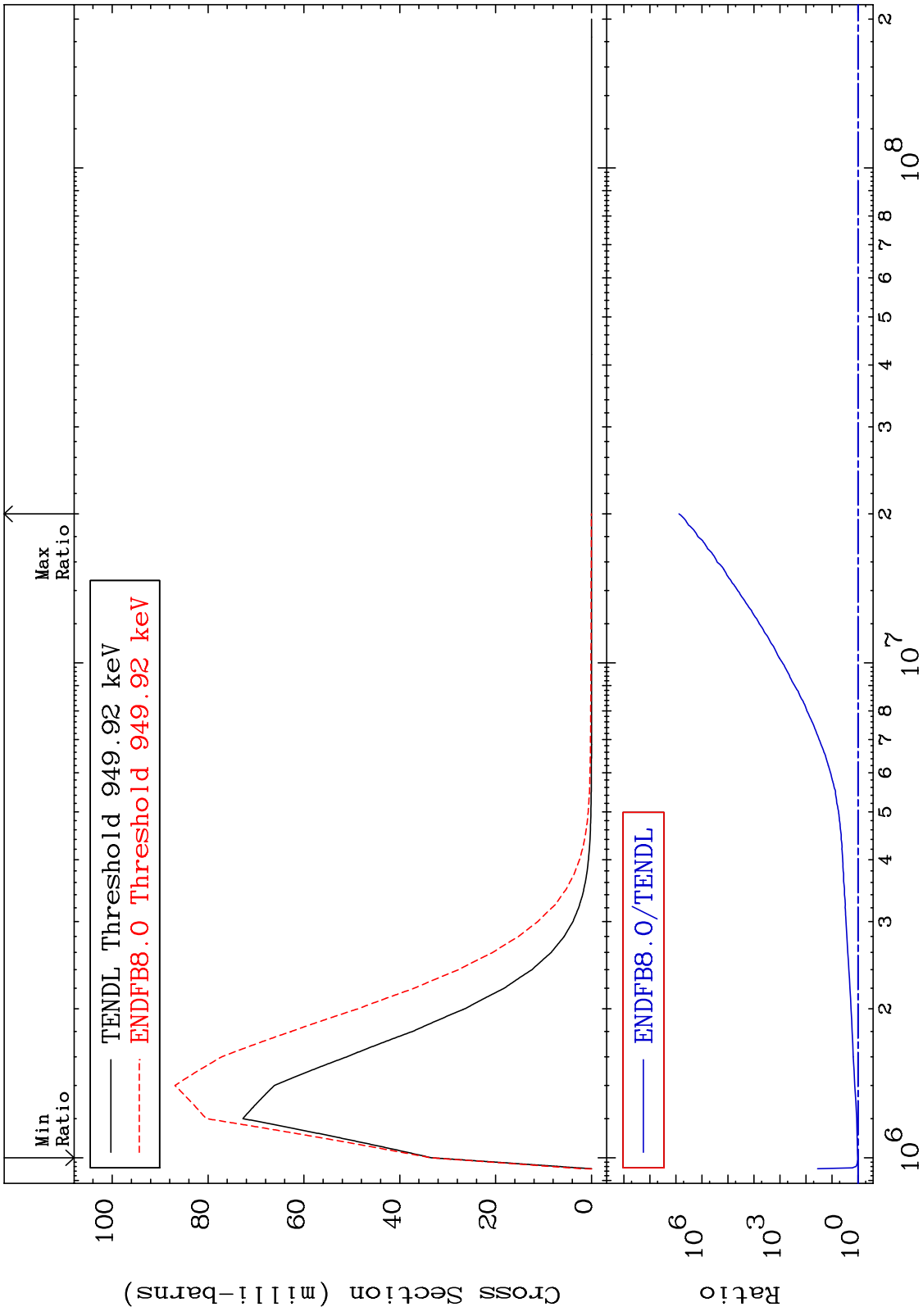
35 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 78 (n,n') Level Cross Section 70-Yb-171 -32.68 To 9999. %



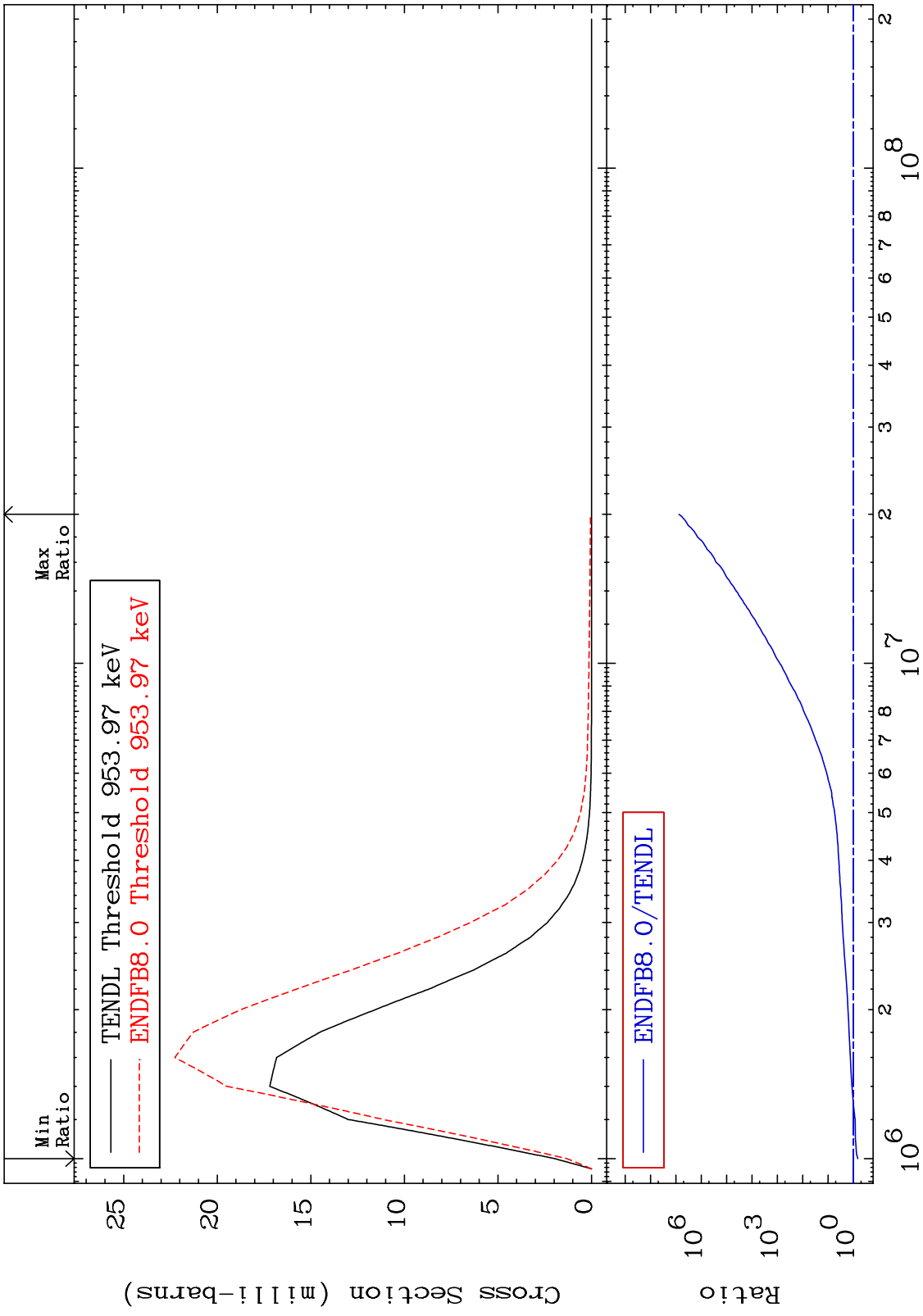
36 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 79 (n,n') Level Cross Section 70-Yb-171 To 9999. %
 0.635



37 Incident Energy (eV) 70-Yb-171

MAT 7034 MT= 80 (n,n') Level Cross Section 70-Yb-171 -33.50 To 9999. %

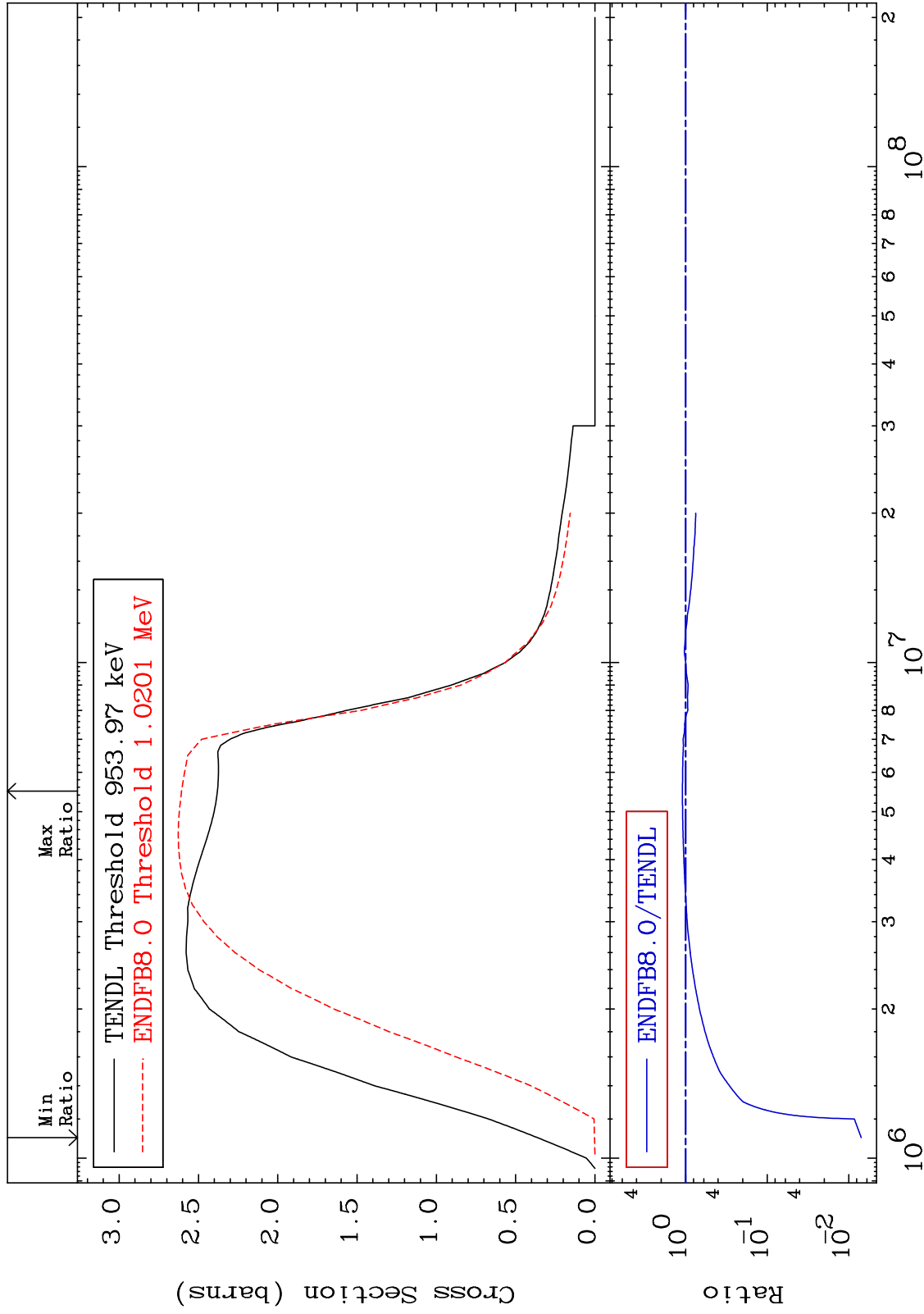


38 70-Yb-171

MAT 7034

(n, n') Continuum
Cross Section

70-Yb-171
-99.30 To 9.499 %



39

Incident Energy (eV)

70-Yb-171

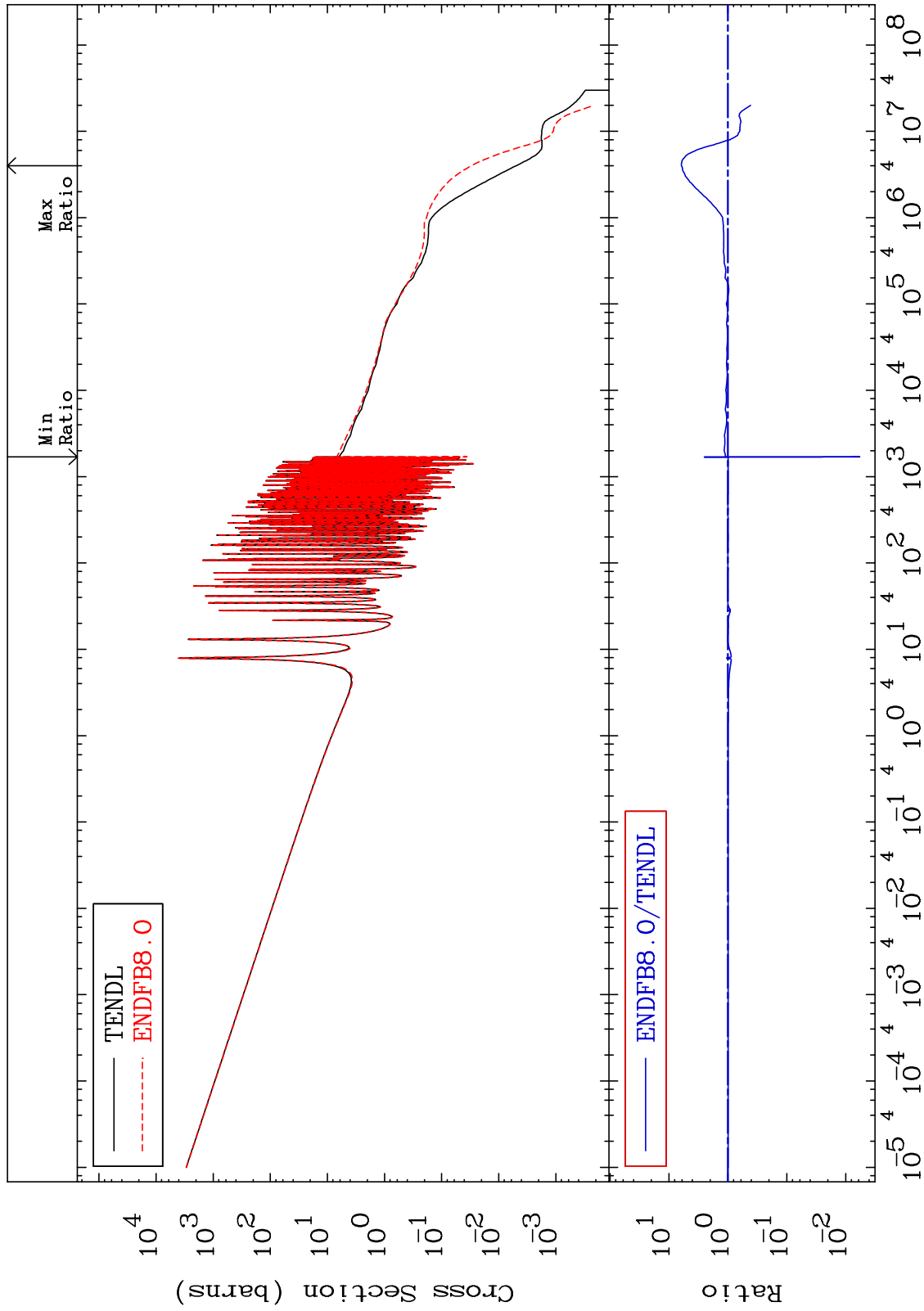
MAT 7034

(n, γ)

70-Yb-171

Cross Section

-99.42 To 518.8 %



40

Incident Energy (eV)

70-Yb-171

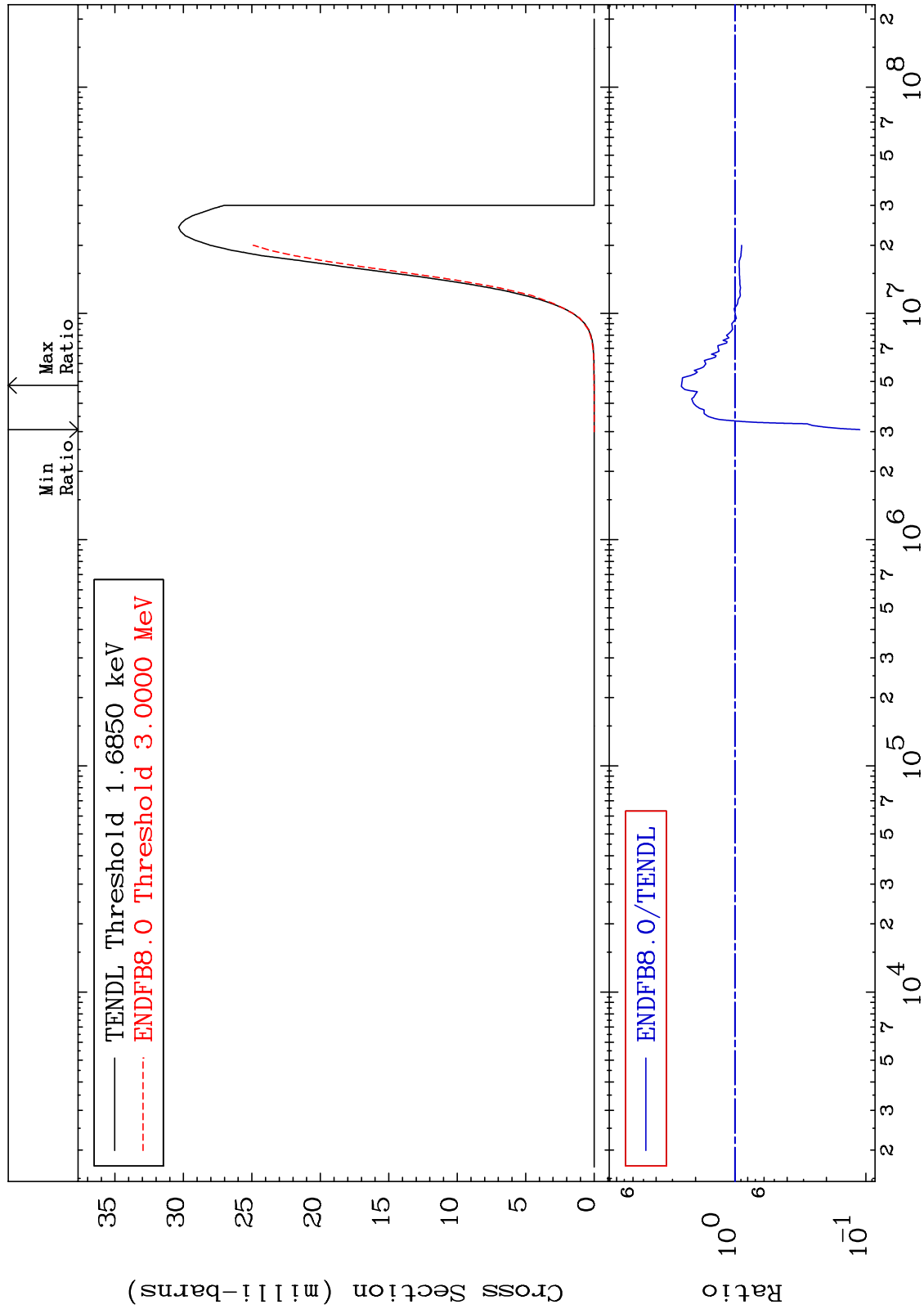
MAT 7034

(n,p)

70-Yb-171

Cross Section

-88.87 To 156.0 %



41

Incident Energy (eV)

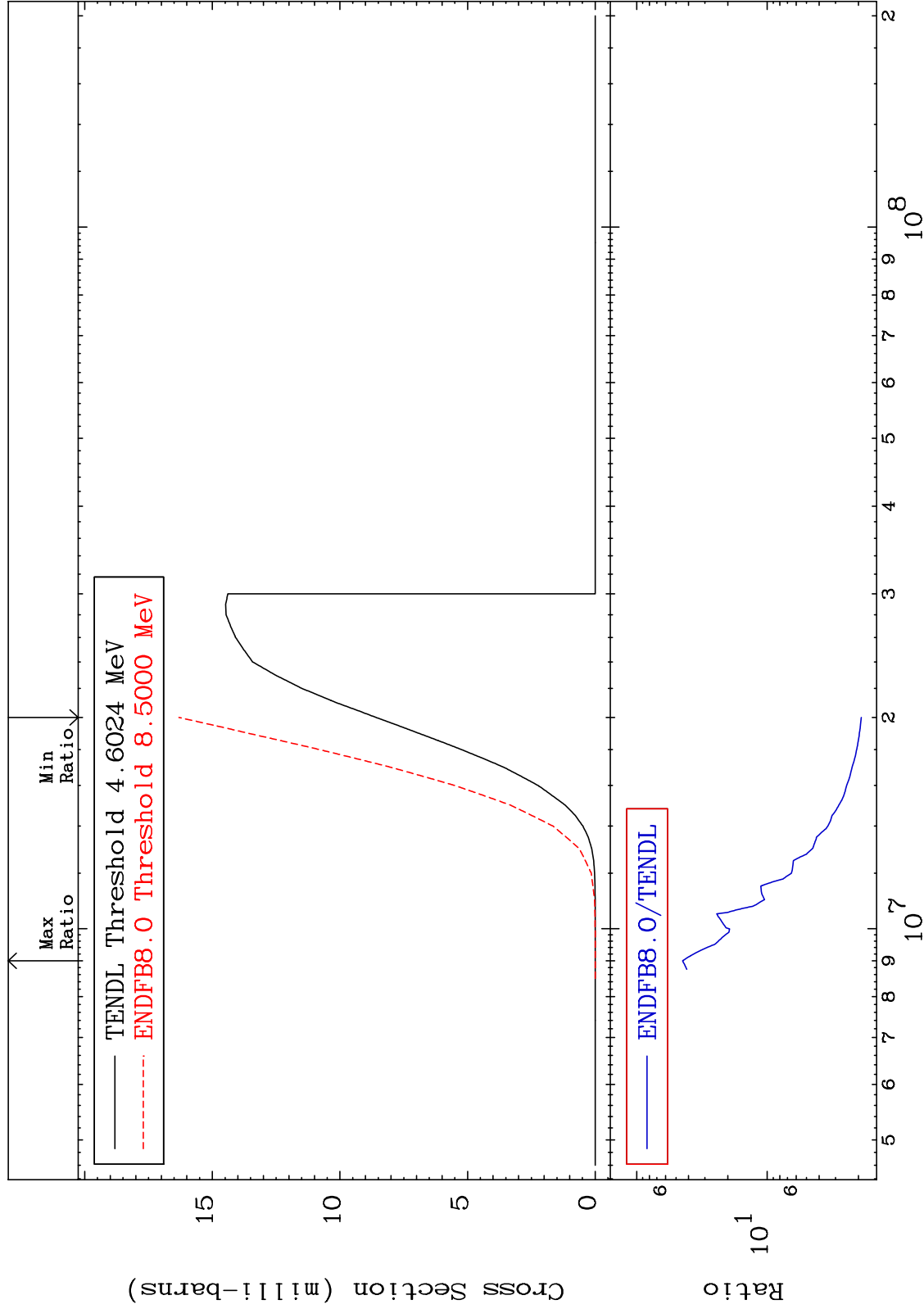
70-Yb-171

MAT 7034

(n,d)

Cross Section

70-Yb-171
89.96 To 4341. %



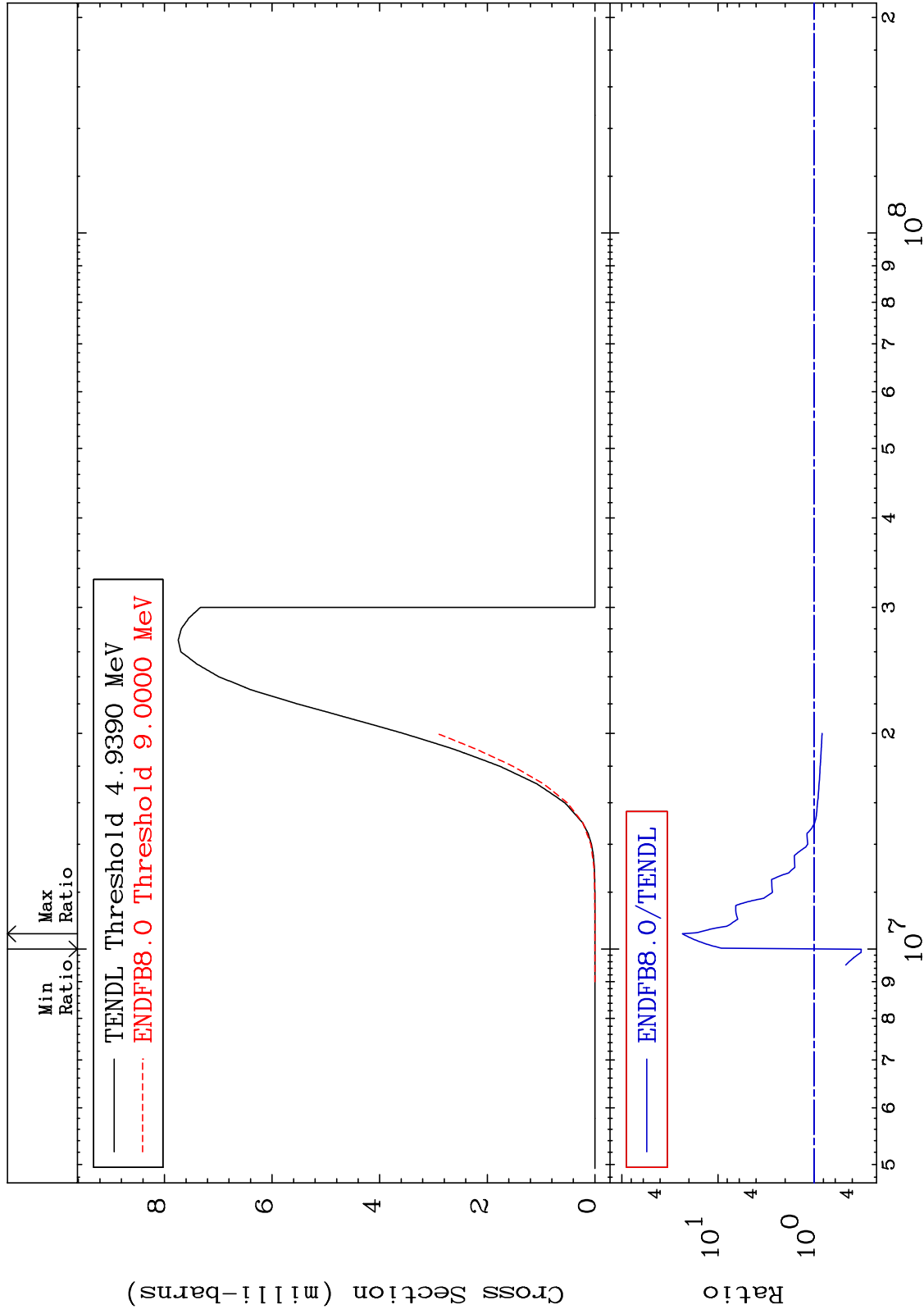
MAT 7034

(n, t)

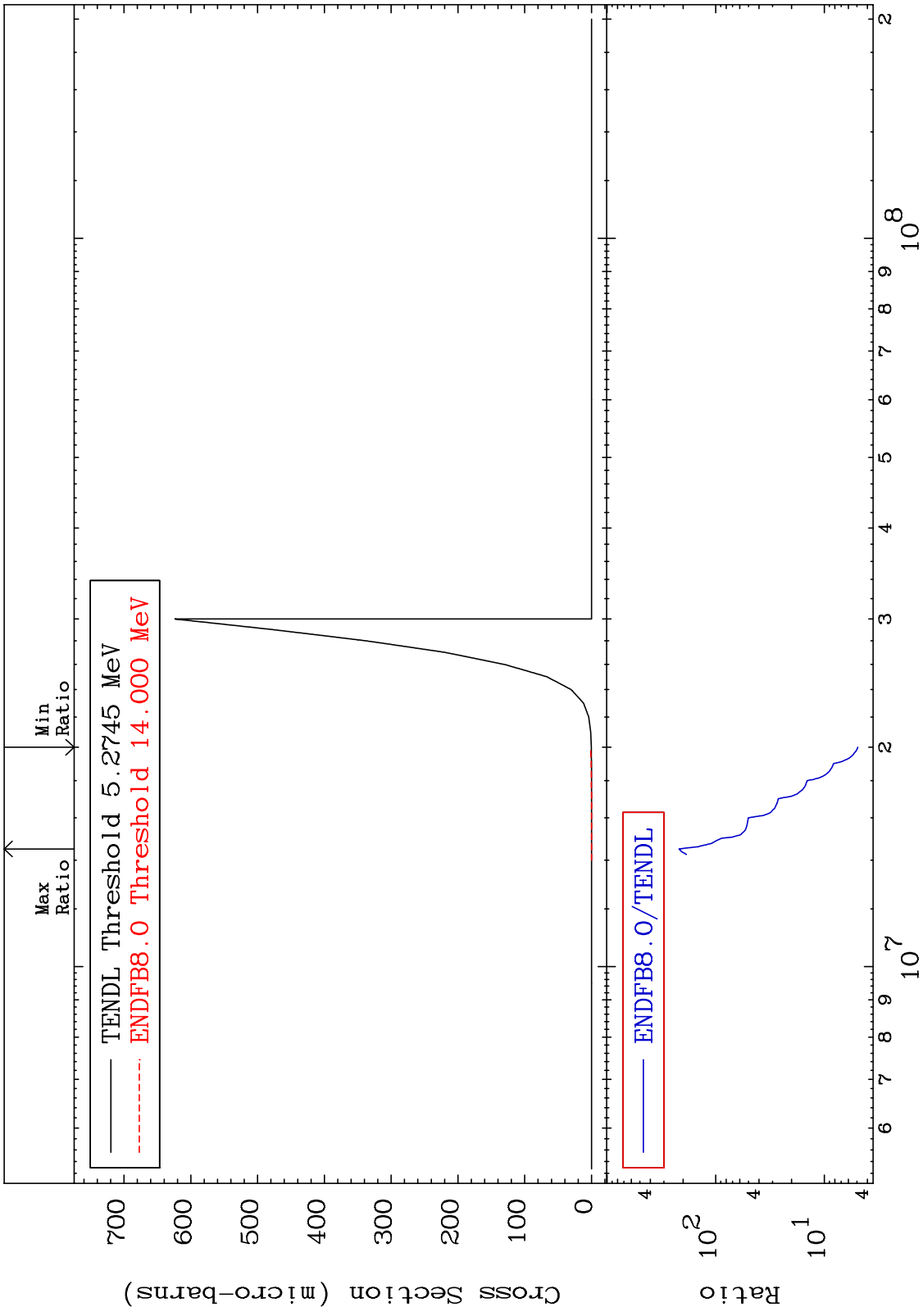
70-Yb-171

Cross Section

-67.82 To 2243. %



MAT 7034 (n, He-3) 70-Yb-171
 Cross Section 391.0 To 9999. %



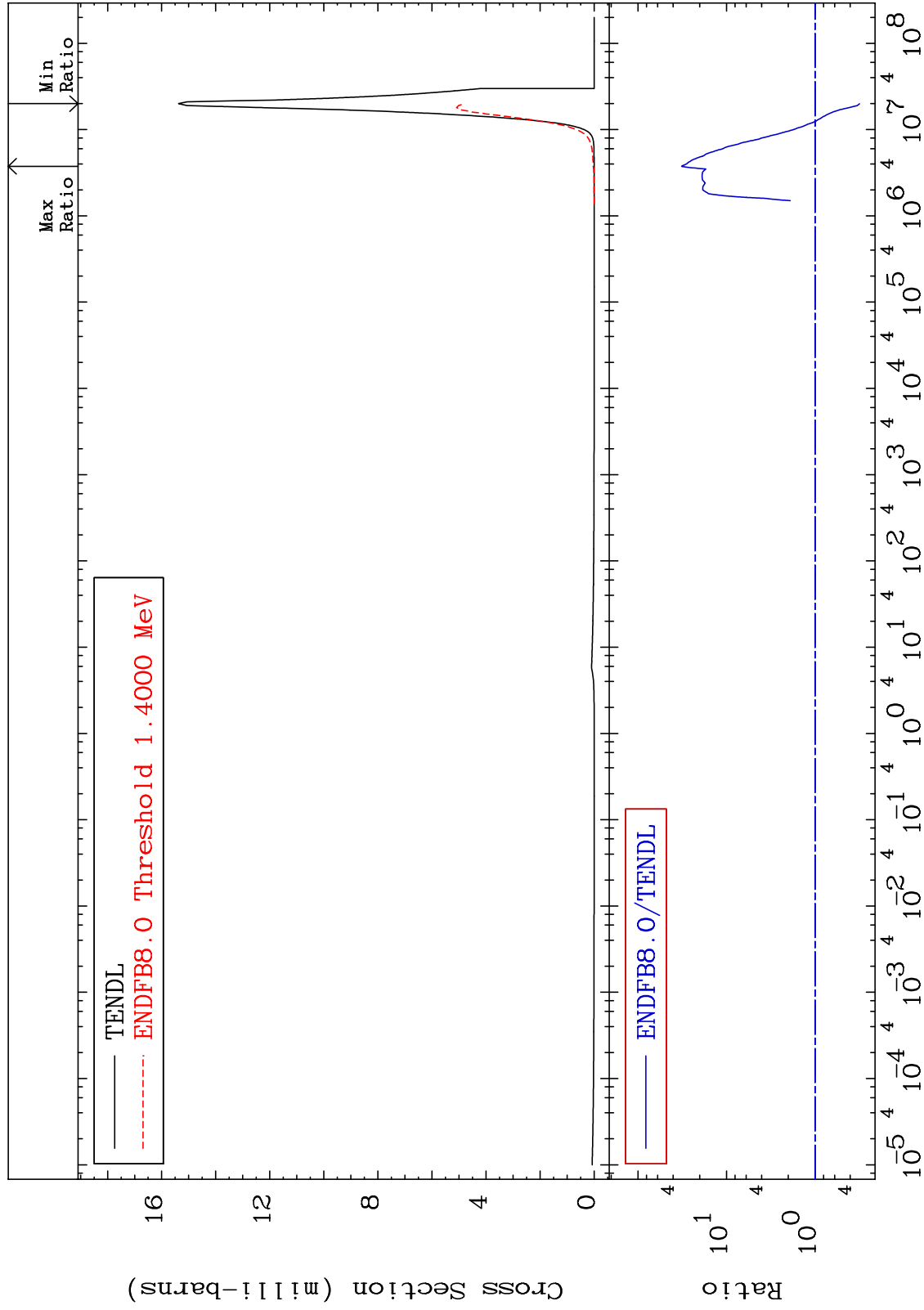
MAT 7034

(n, α)

70-Yb-171

Cross Section

-68.84 To 3123. %



45

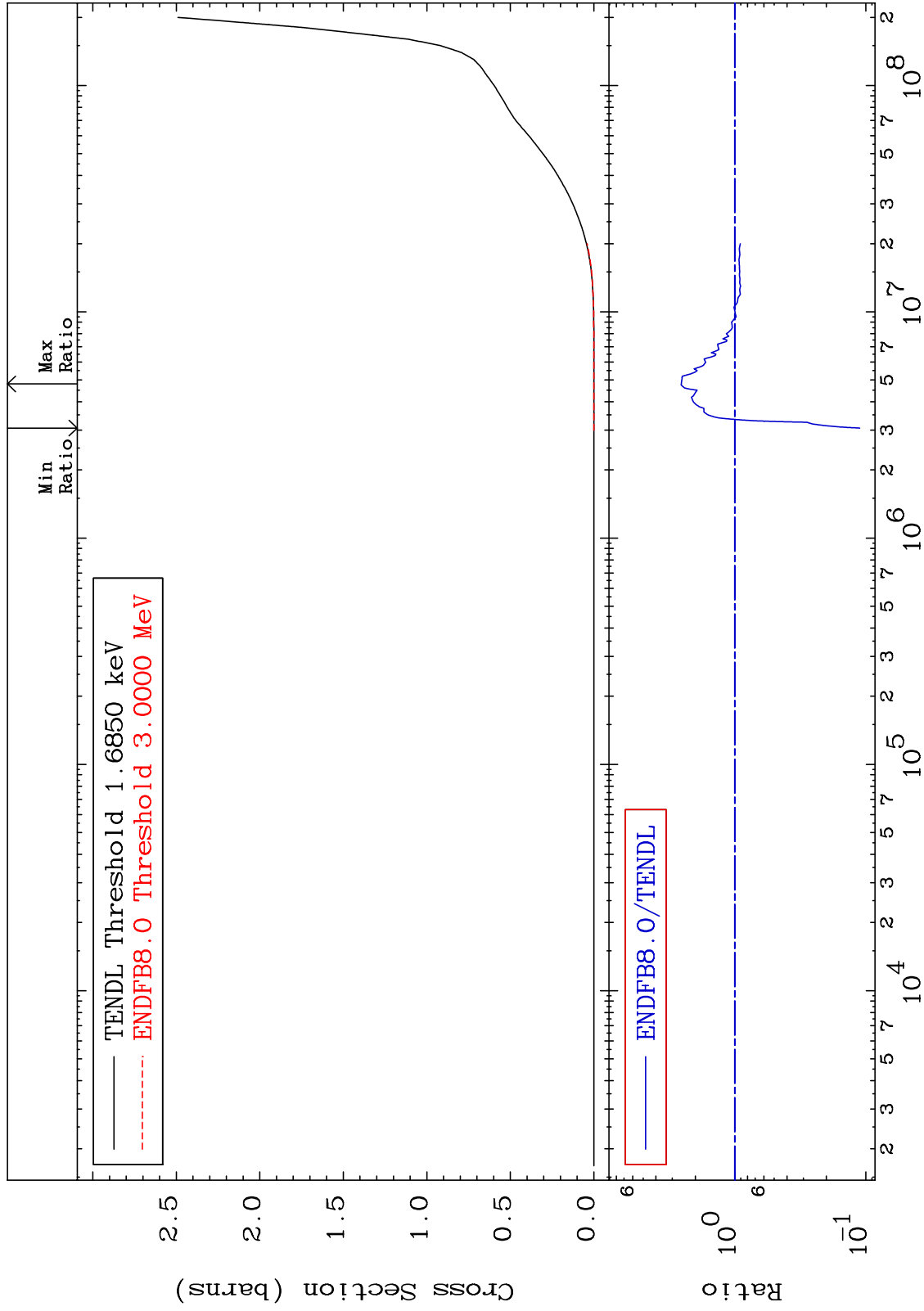
Incident Energy (eV)

70-Yb-171

MAT 7034

Hydrogen Production
Cross Section

70-Yb-171
-88.87 To 156.0 %



46

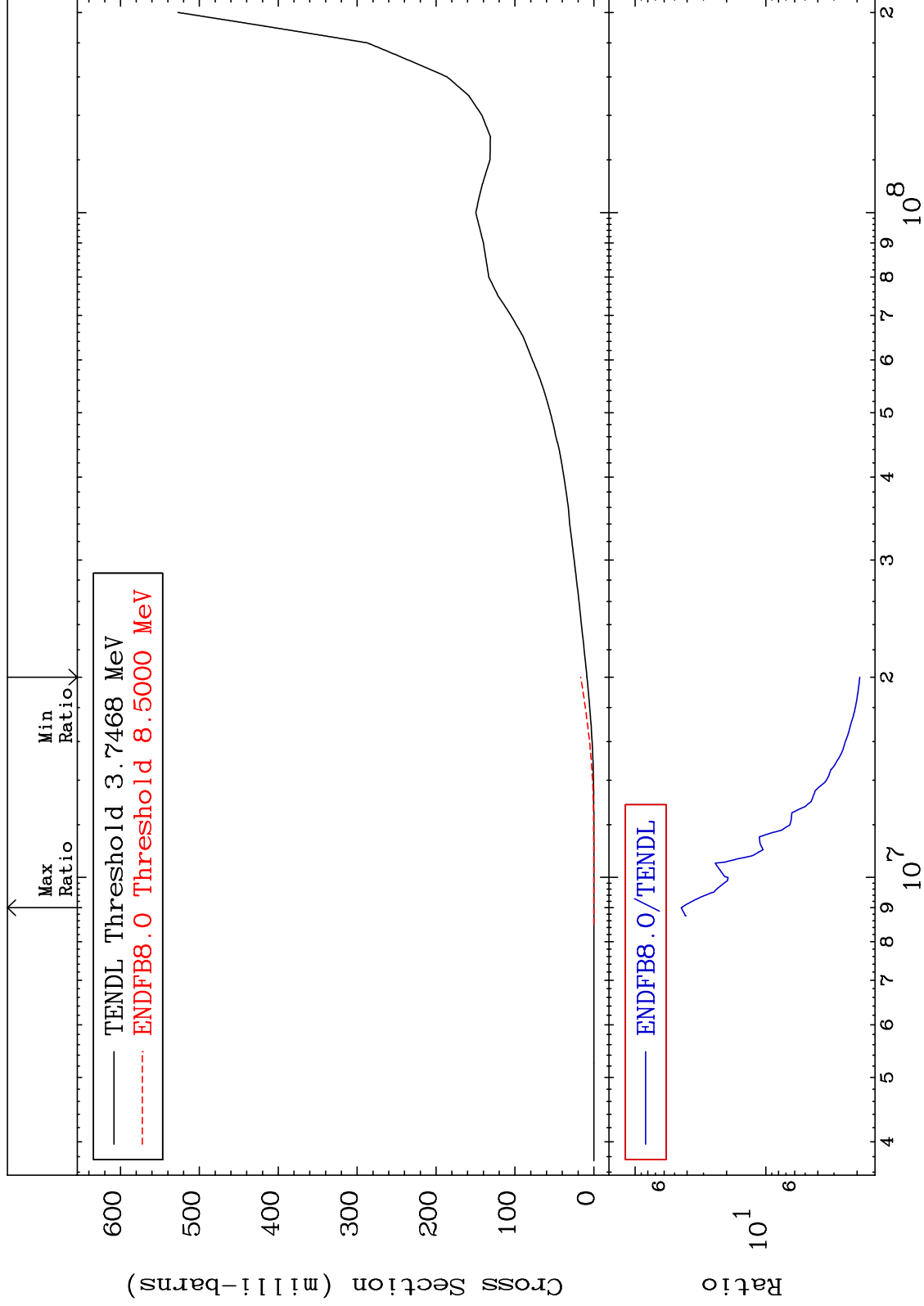
Incident Energy (eV)

70-Yb-171

MAT 7034

Deuterium Production
Cross Section

70-Yb-171
To 4341. %
90.65



47

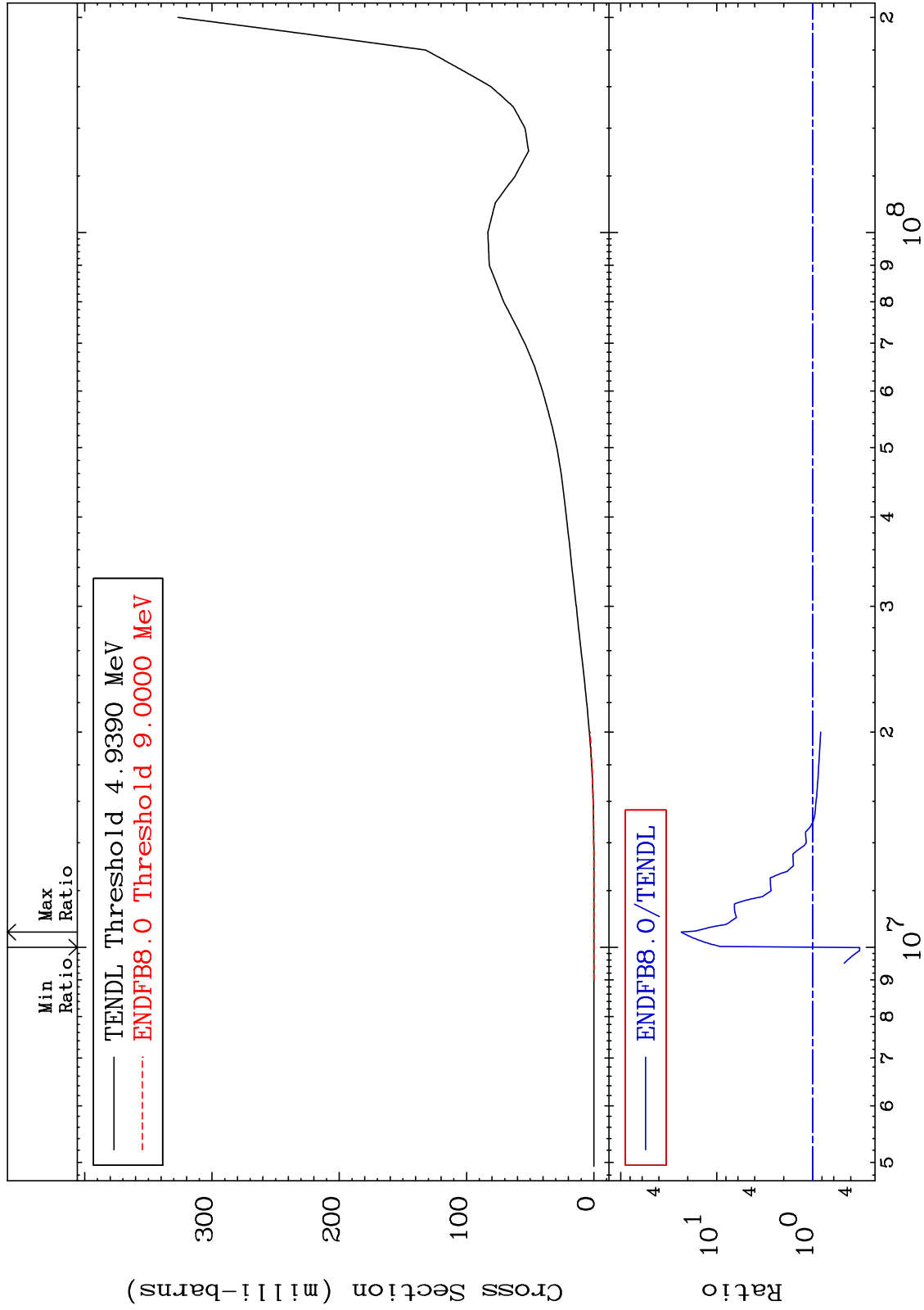
Incident Energy (eV)

70-Yb-171

MAT 7034

Tritium Production
Cross Section

70-Yb-171
-67.82 To 2243. %



48

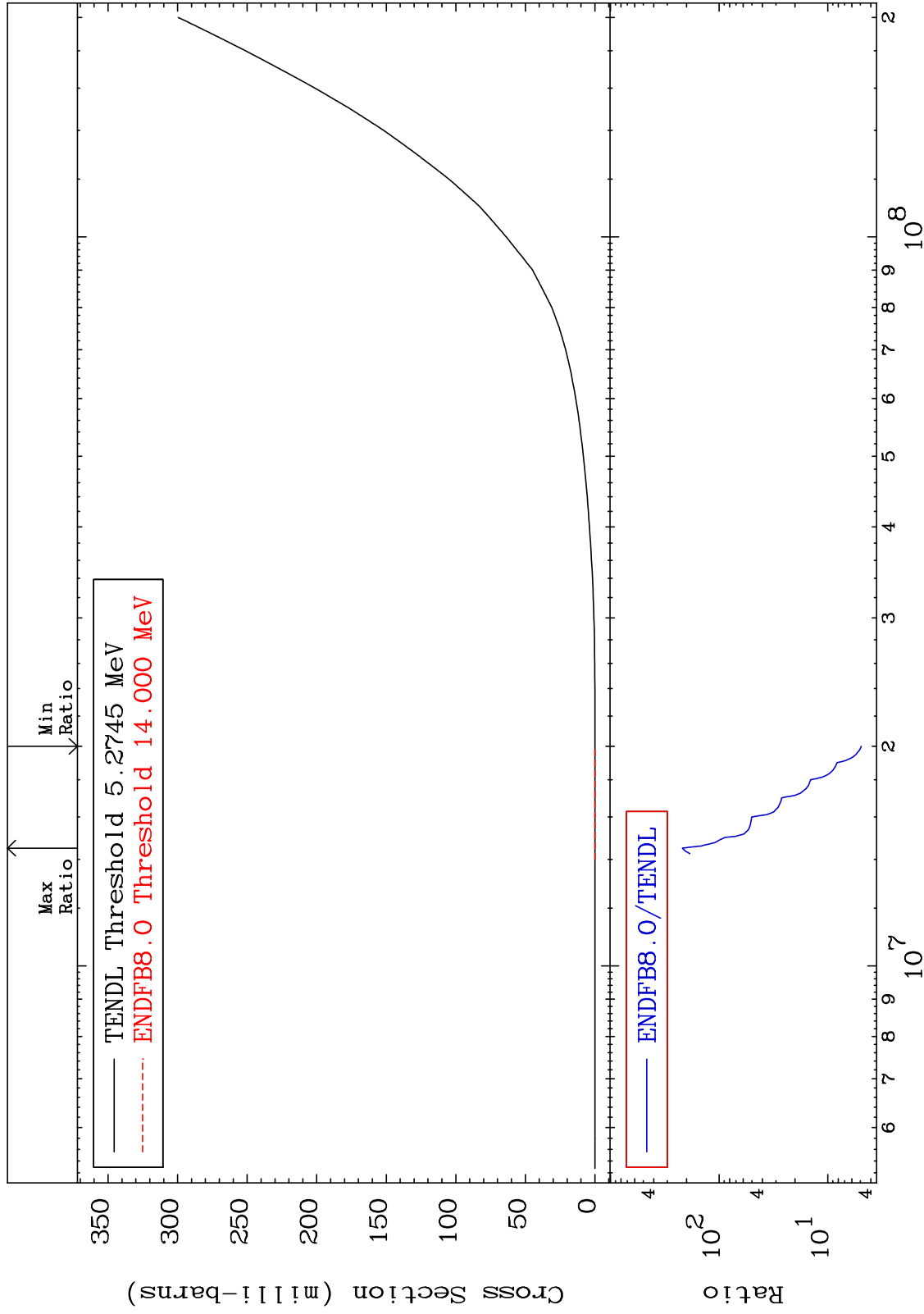
Incident Energy (eV)

70-Yb-171

MAT 7034

He-3 Production
Cross Section

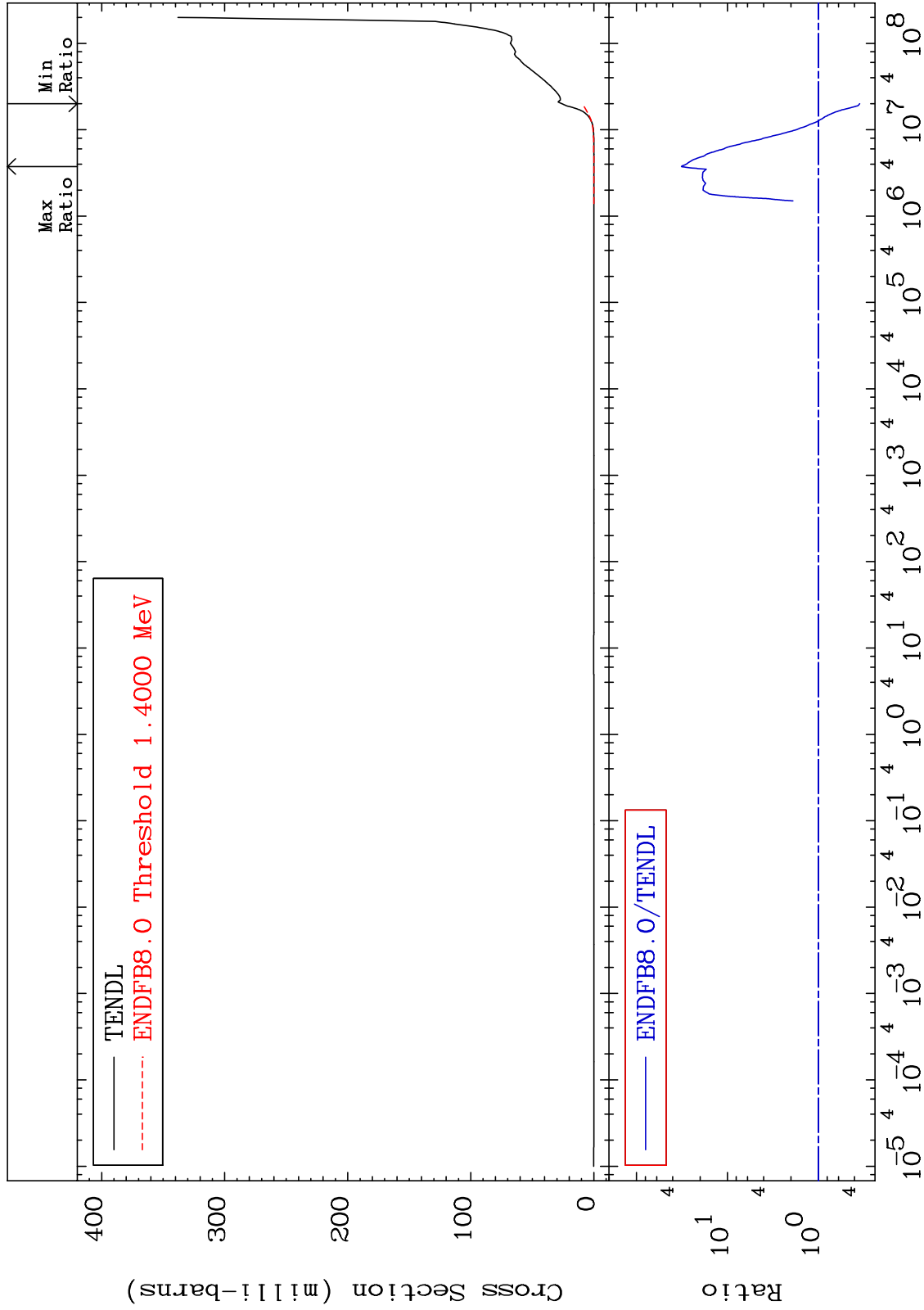
70-Yb-171
391.0 To 9999. %



MAT 7034

He-4 Production
Cross Section

70-Yb-171
-64.95 To 3123. %

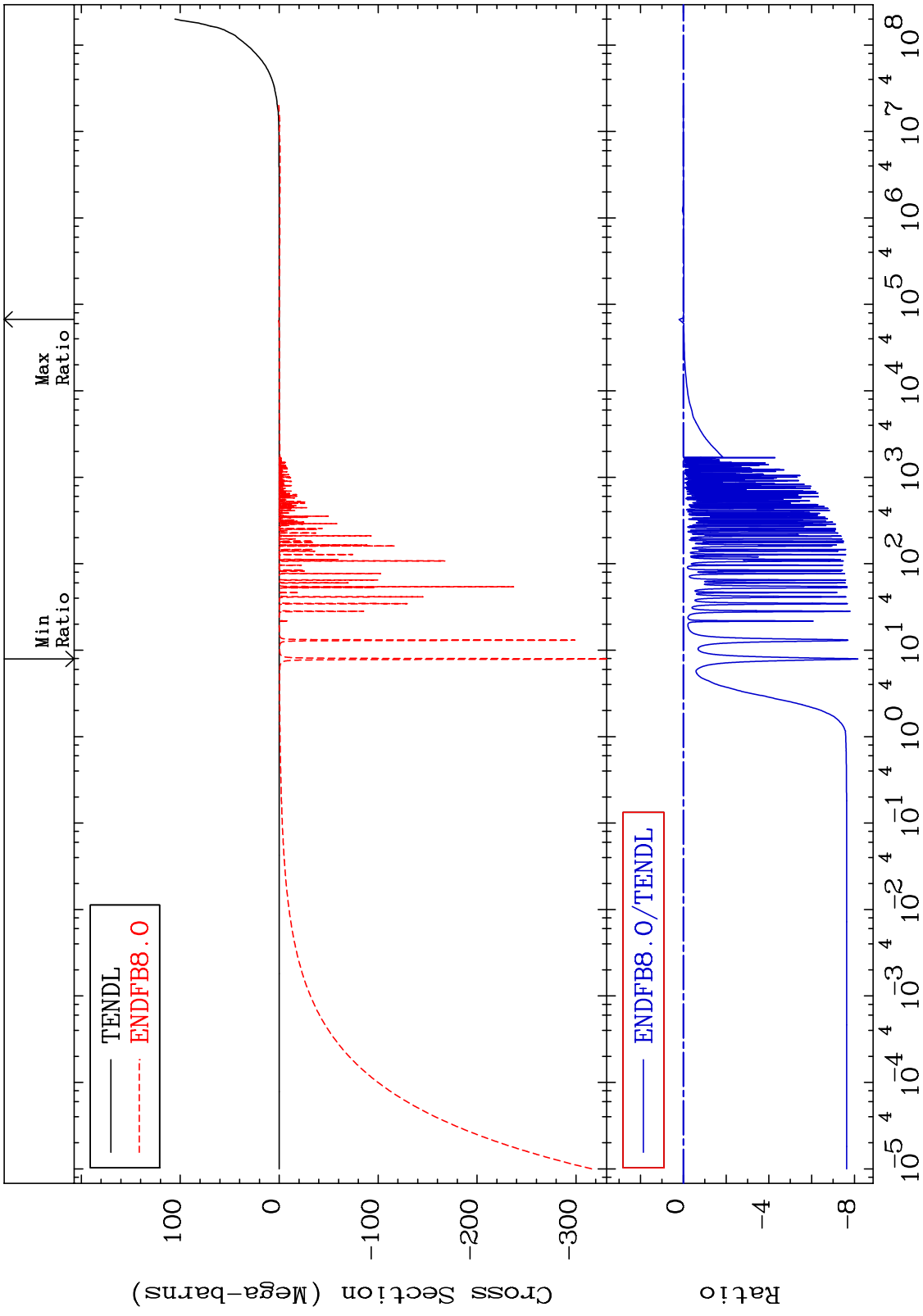


50

Incident Energy (eV)

70-Yb-171

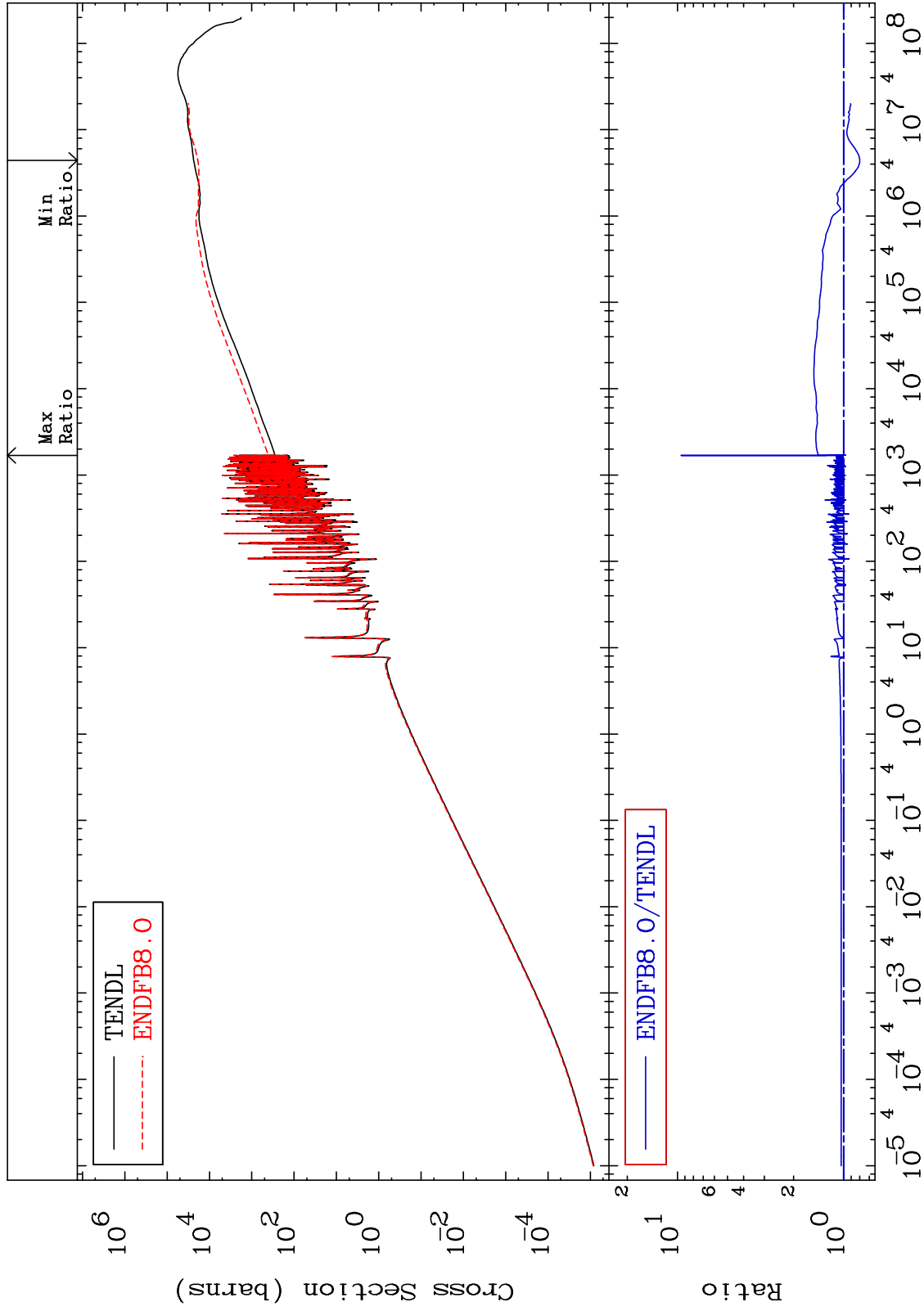
MAT 7034 Kerma total (eV-barns) Cross Section 70-Yb-171
 -9999. To 9999. %



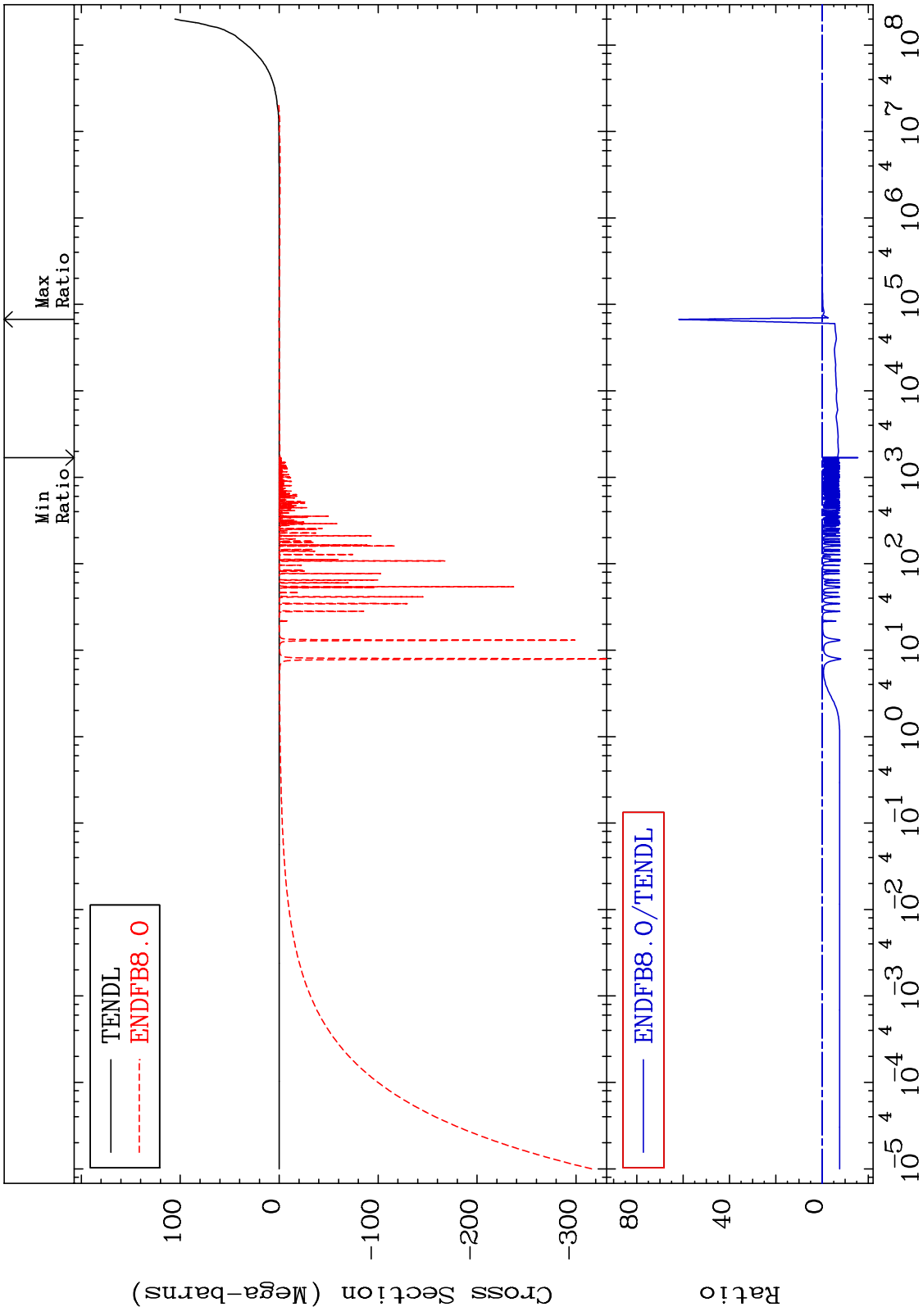
MAT 7034

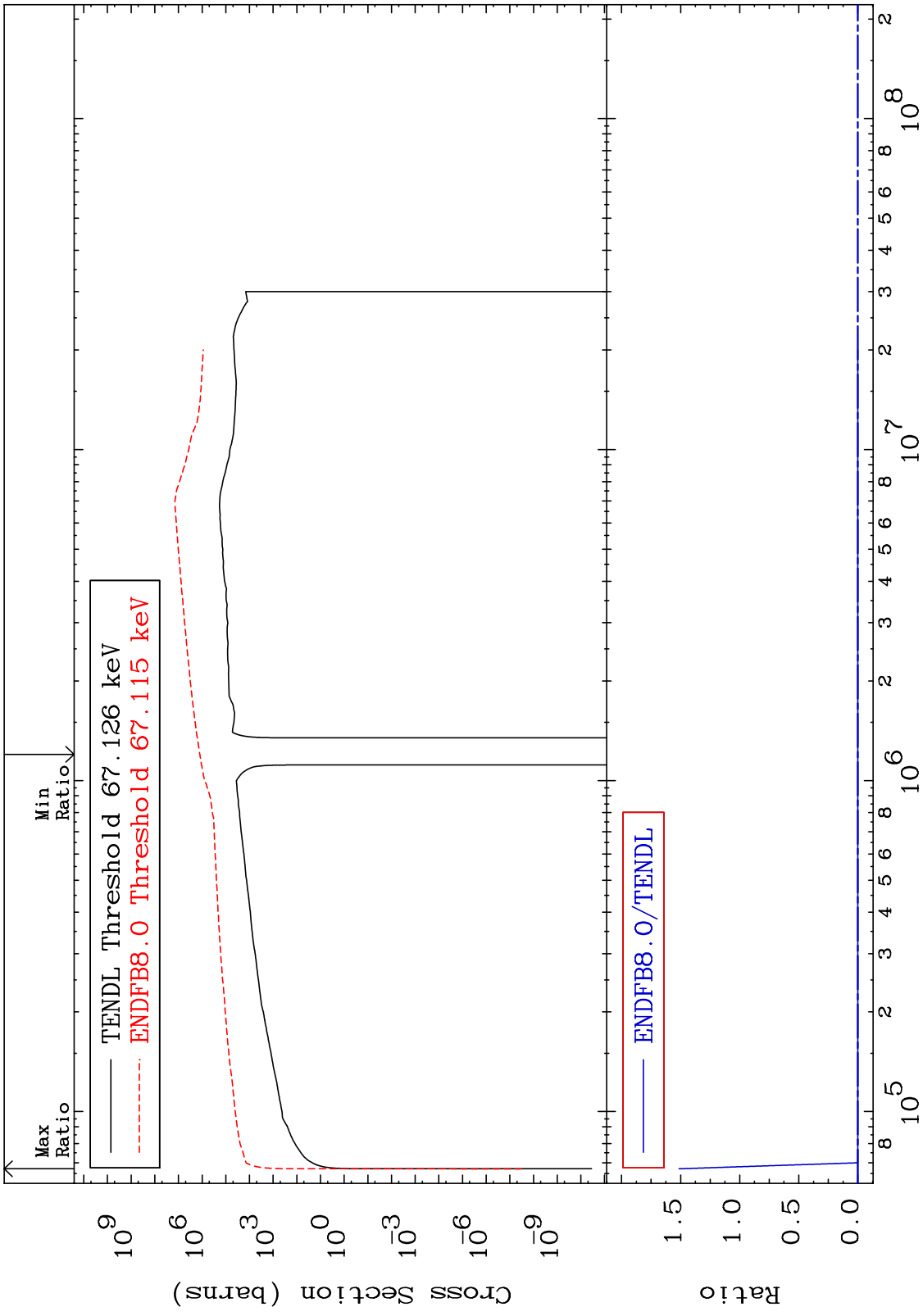
Kerma elastic
Cross Section

70-Yb-171
-19.98 To 848.0 %



MAT 7034 Kerma non-elastic (all but mt.2) 70-Yb-171
 Cross Section -9999. To 9999. %

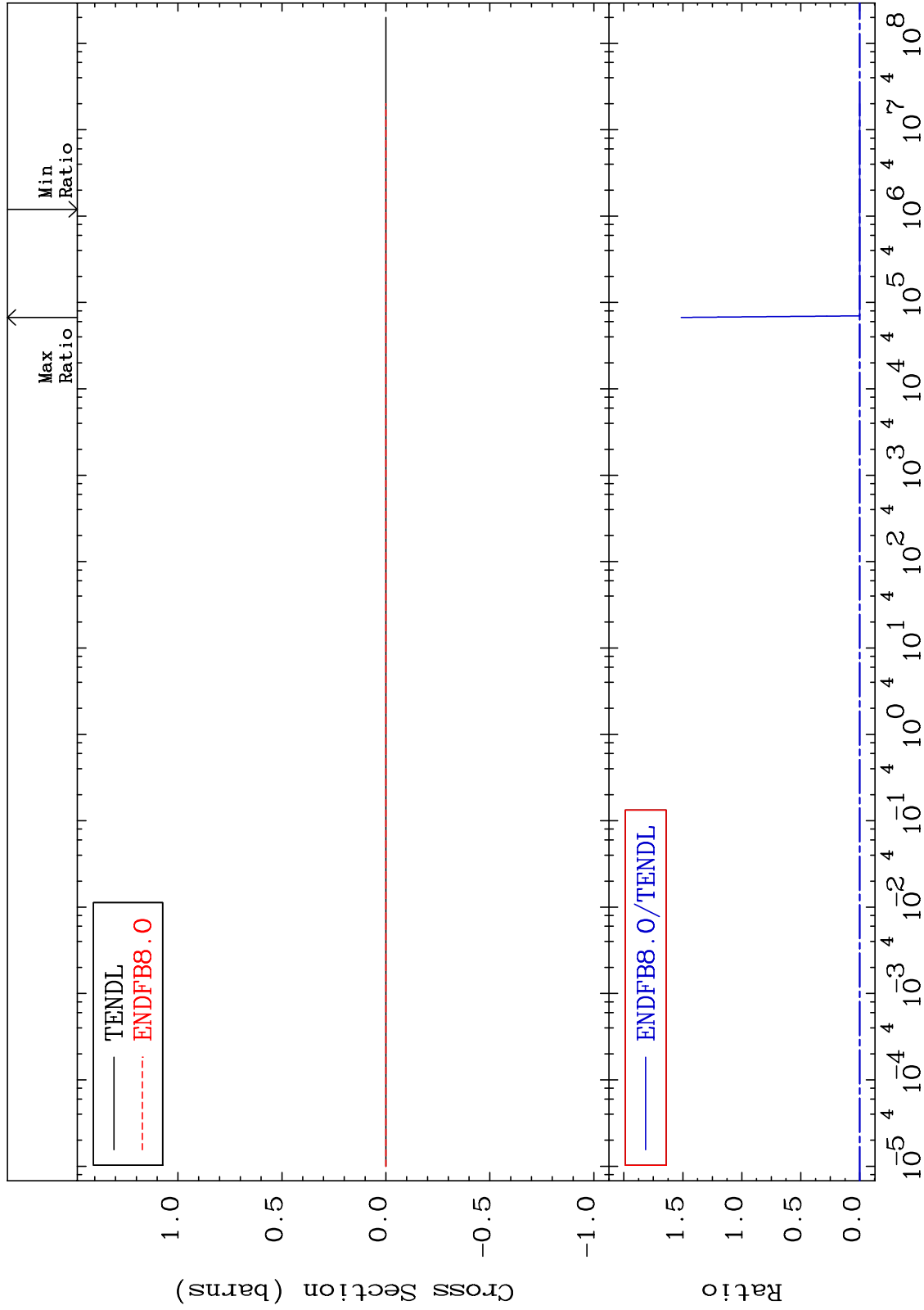




MAT 7034

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

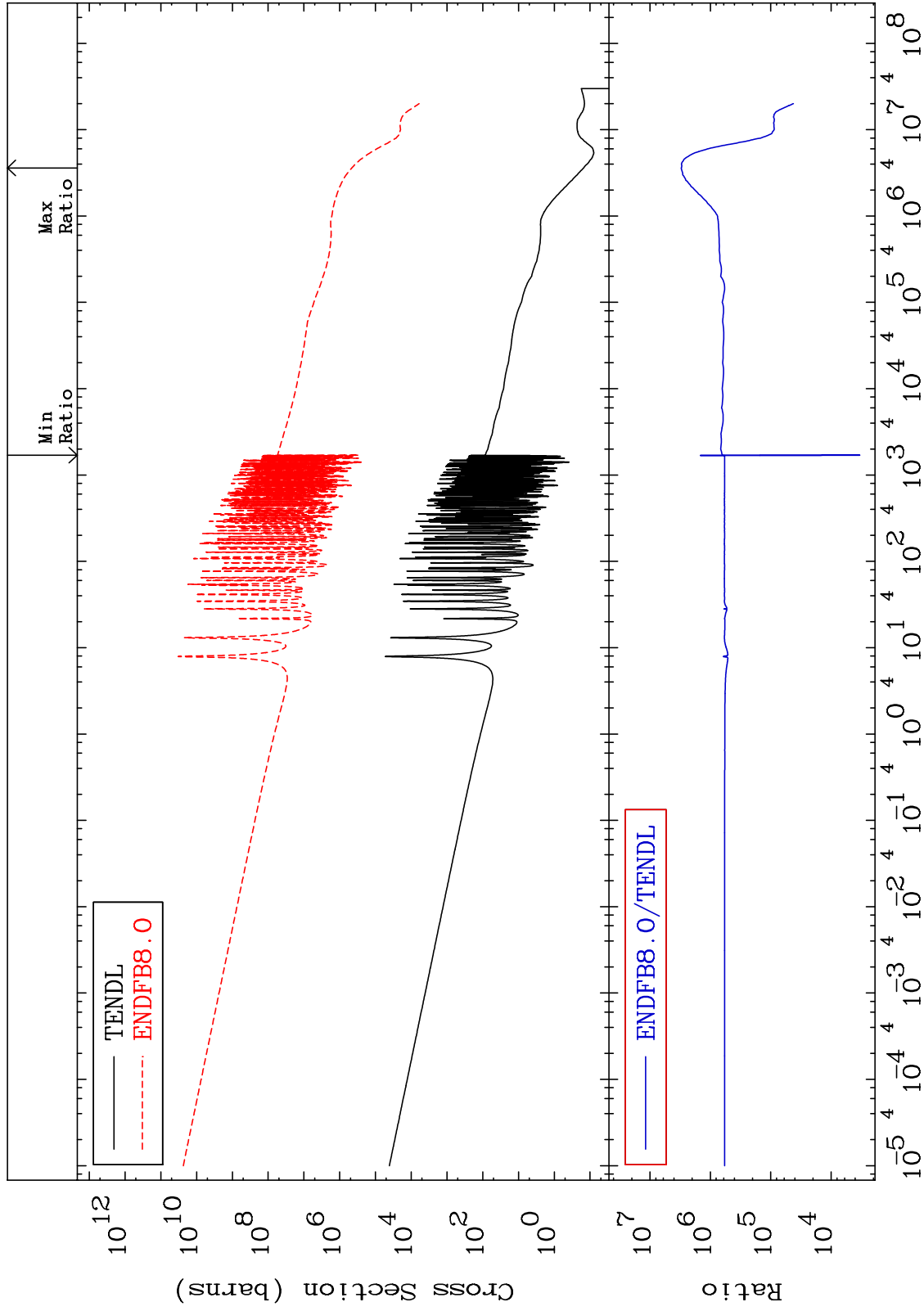
70-Yb-171
-3422. To 9999. %



MAT 7034

Kerma capture (mt102)
Cross Section

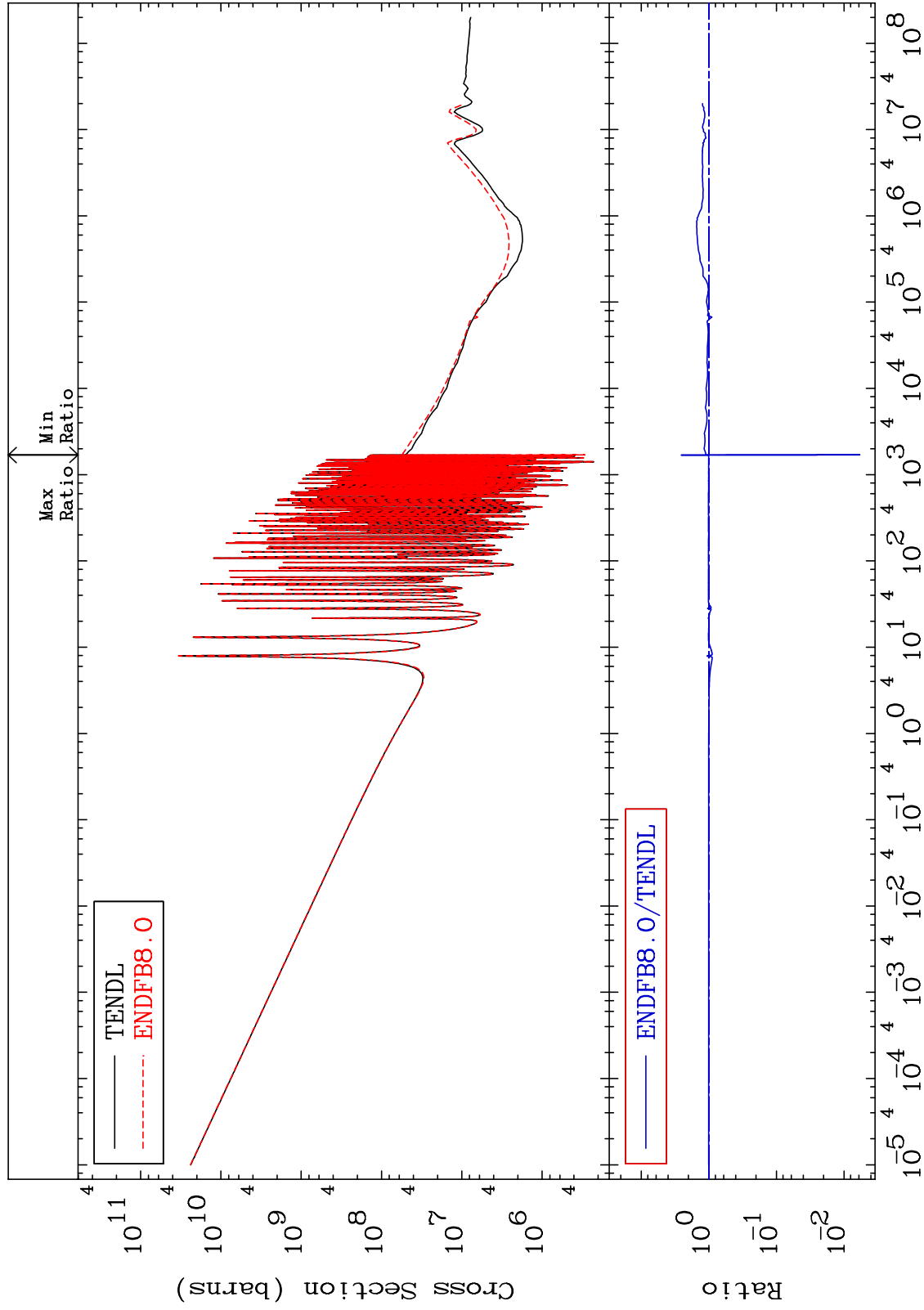
70-Yb-171
To 9999. %



MAT 7034

Total photon (eV-barns)
Cross Section

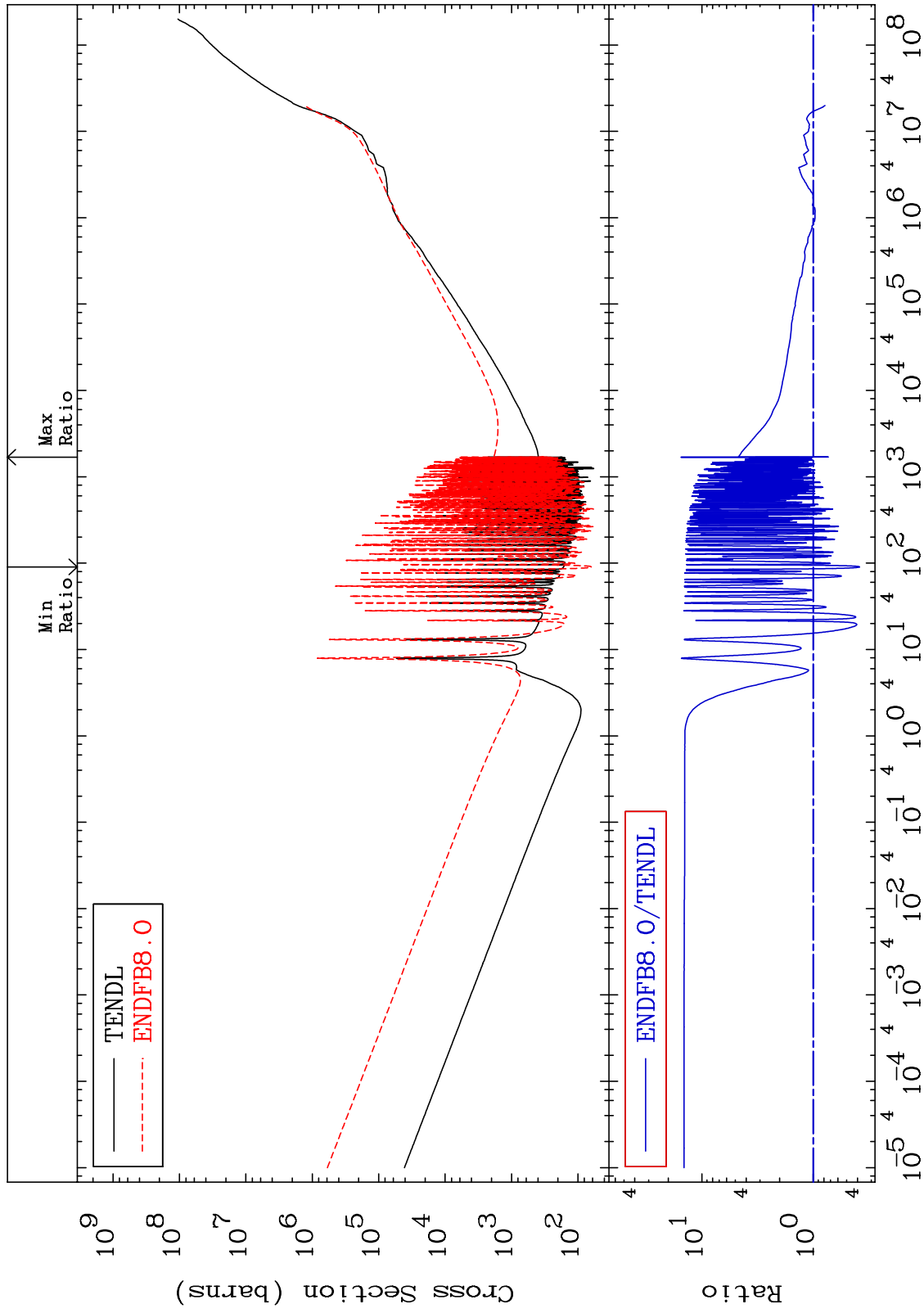
70-Yb-171
-99.42 To 153.6 %



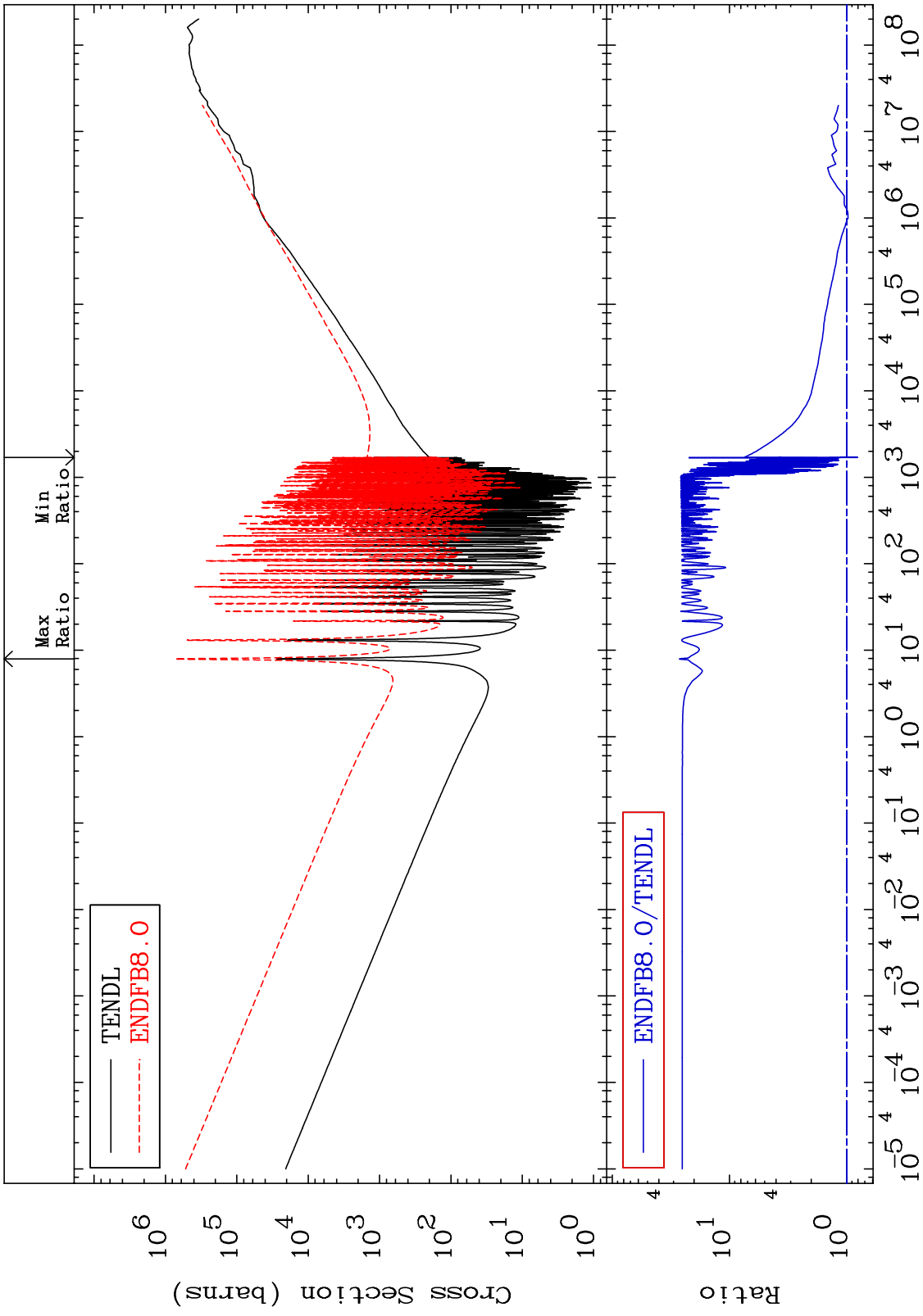
MAT 7034

Total kinematic kerma (high limit)
Cross Section

70-Yb-171
-61.86 To 1430. %

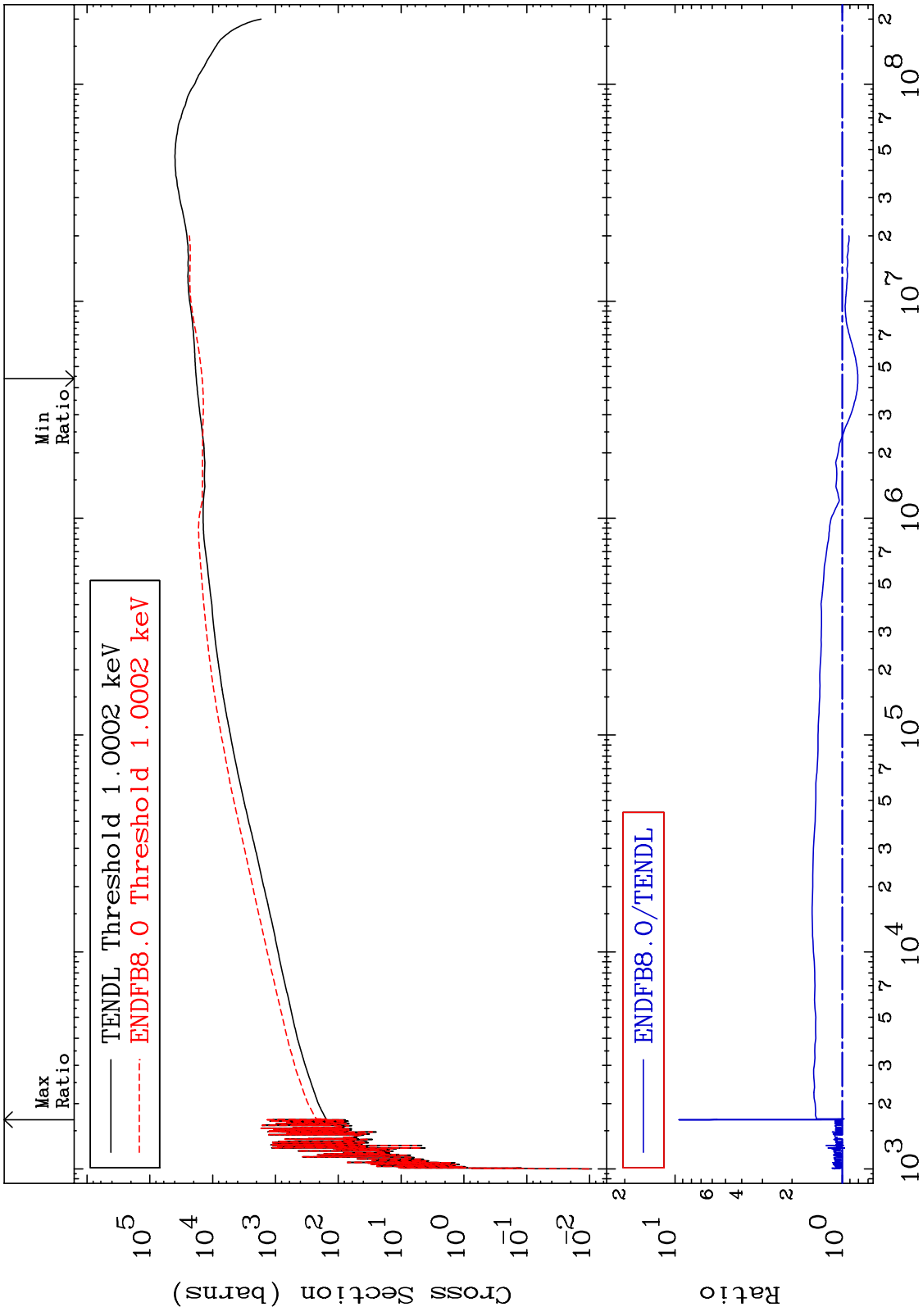


MAT 7034 Dpa total (eV-barns) 70-Yb-171
 -19.80 To 2590. %
 Cross Section



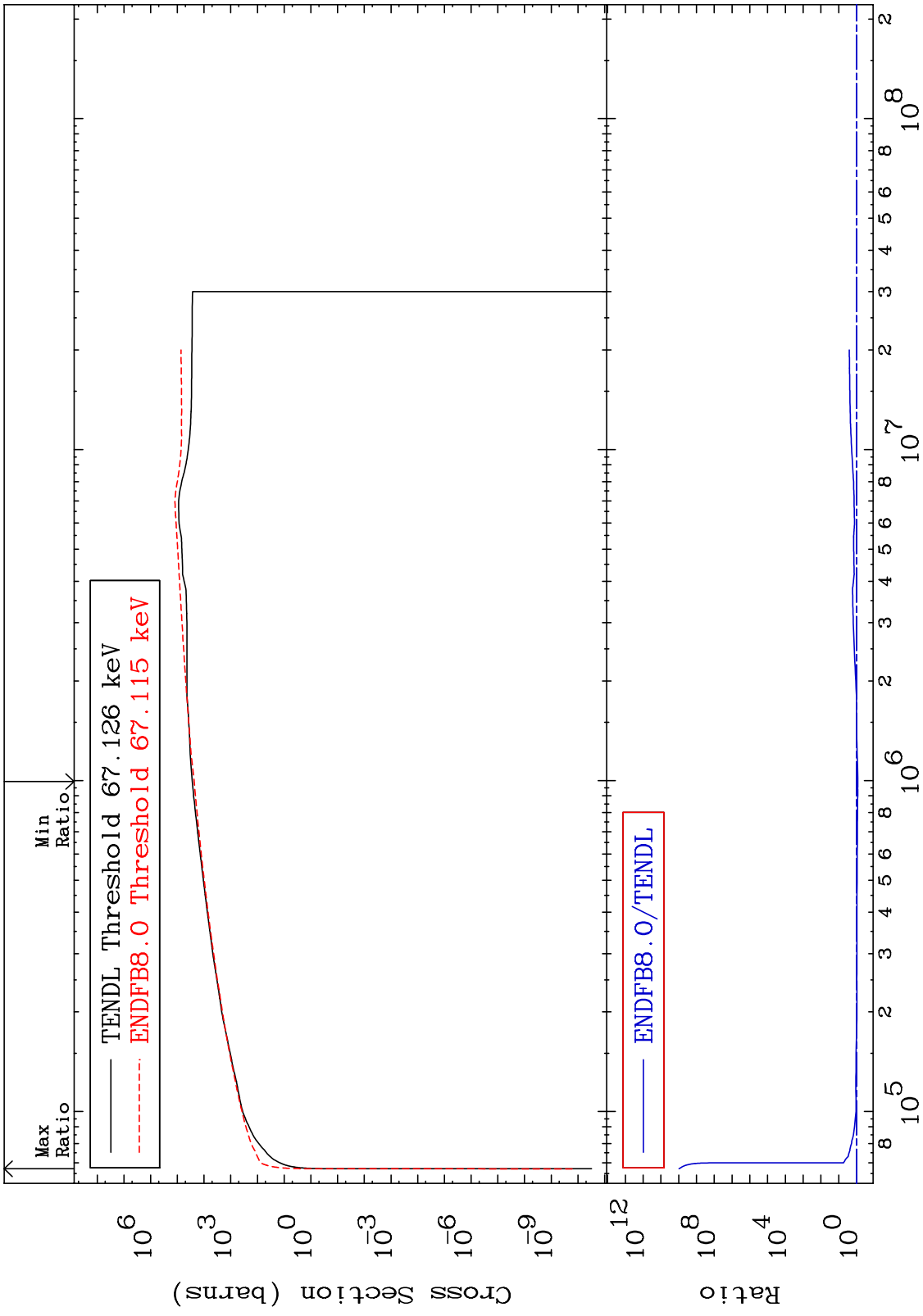
Incident Energy (eV) 70-Yb-171

MAT 7034 70-Yb-171
Dpa elastic (mt2) -19.29 To 847.8 %
Cross Section



60 Incident Energy (eV) 70-Yb-171

MAT 7034 Dpa inelastic (mt51-91) 70-Yb-171
 Cross Section -15.83 To 9999. %



MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-171
-84.75 To 9999. %

