

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

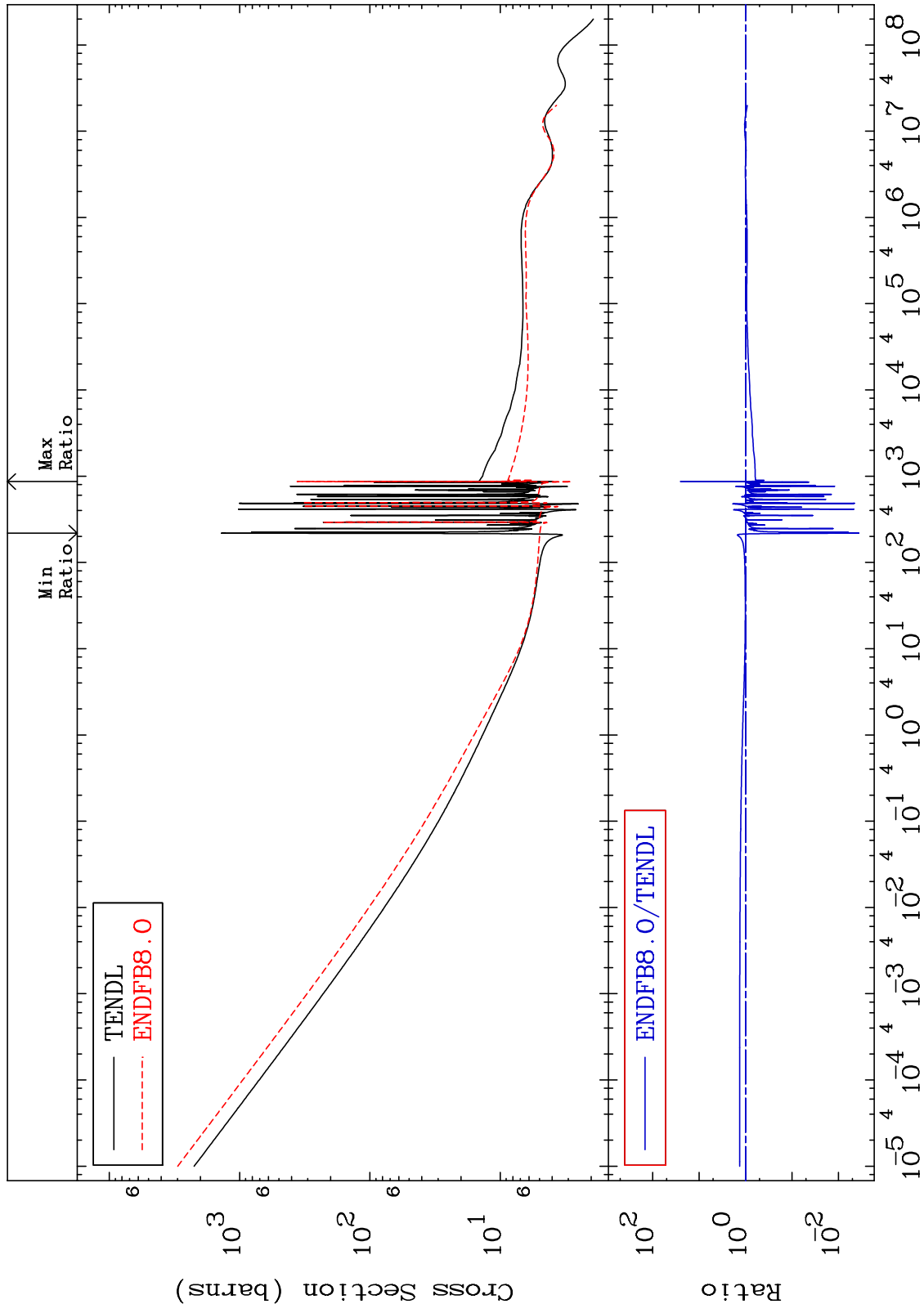
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5034

Total
Cross Section

50-Sn-115
-99.64 To 2396. %



1

Incident Energy (eV)

50-Sn-115

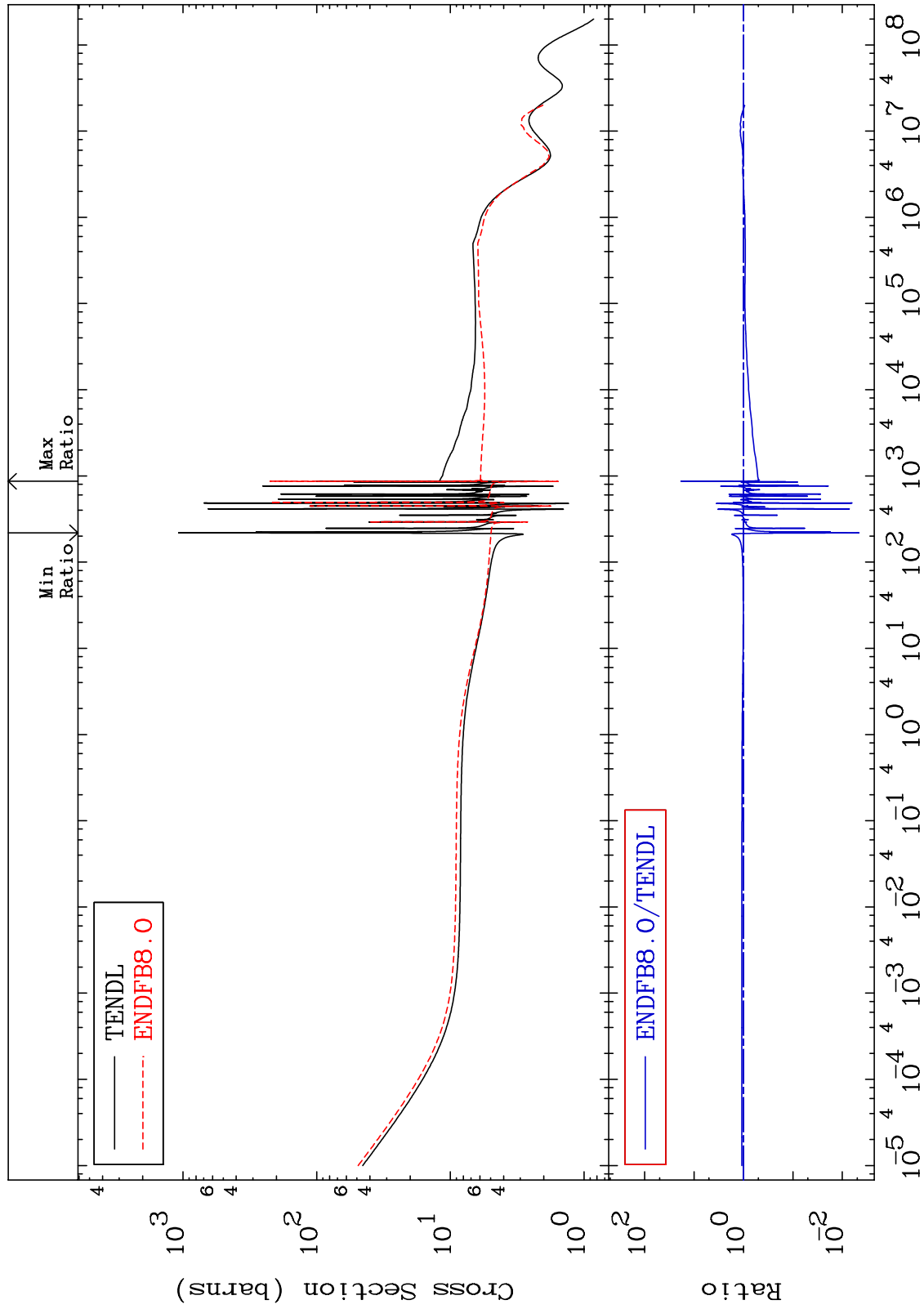
MAT 5034

Elastic

Cross Section

50-Sn-115

-99.54 To 1753. %

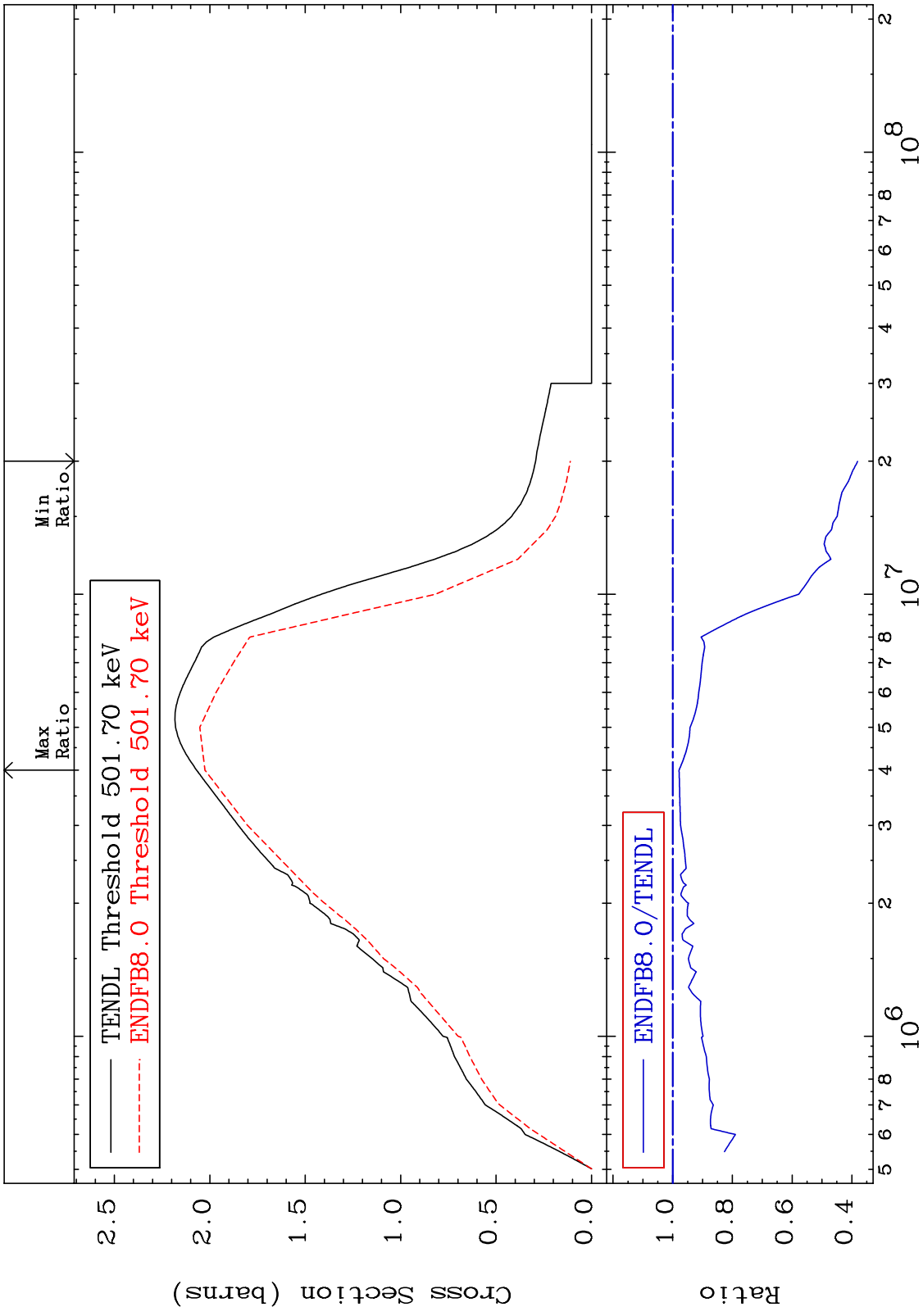


2

Incident Energy (eV)

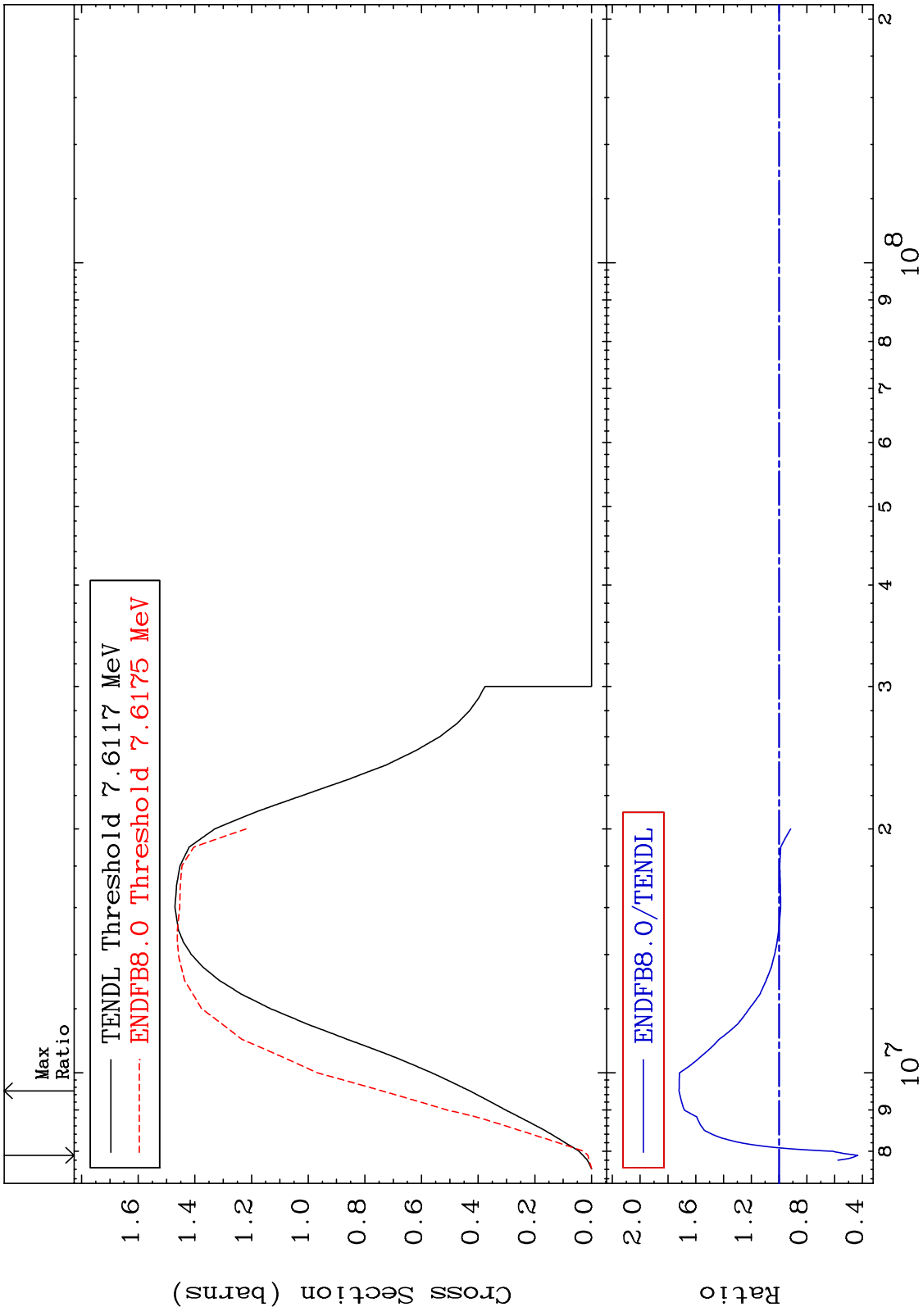
50-Sn-115

MAT 5034 Inelastic Cross Section 50-Sn-115 -62.03 To -2.118%



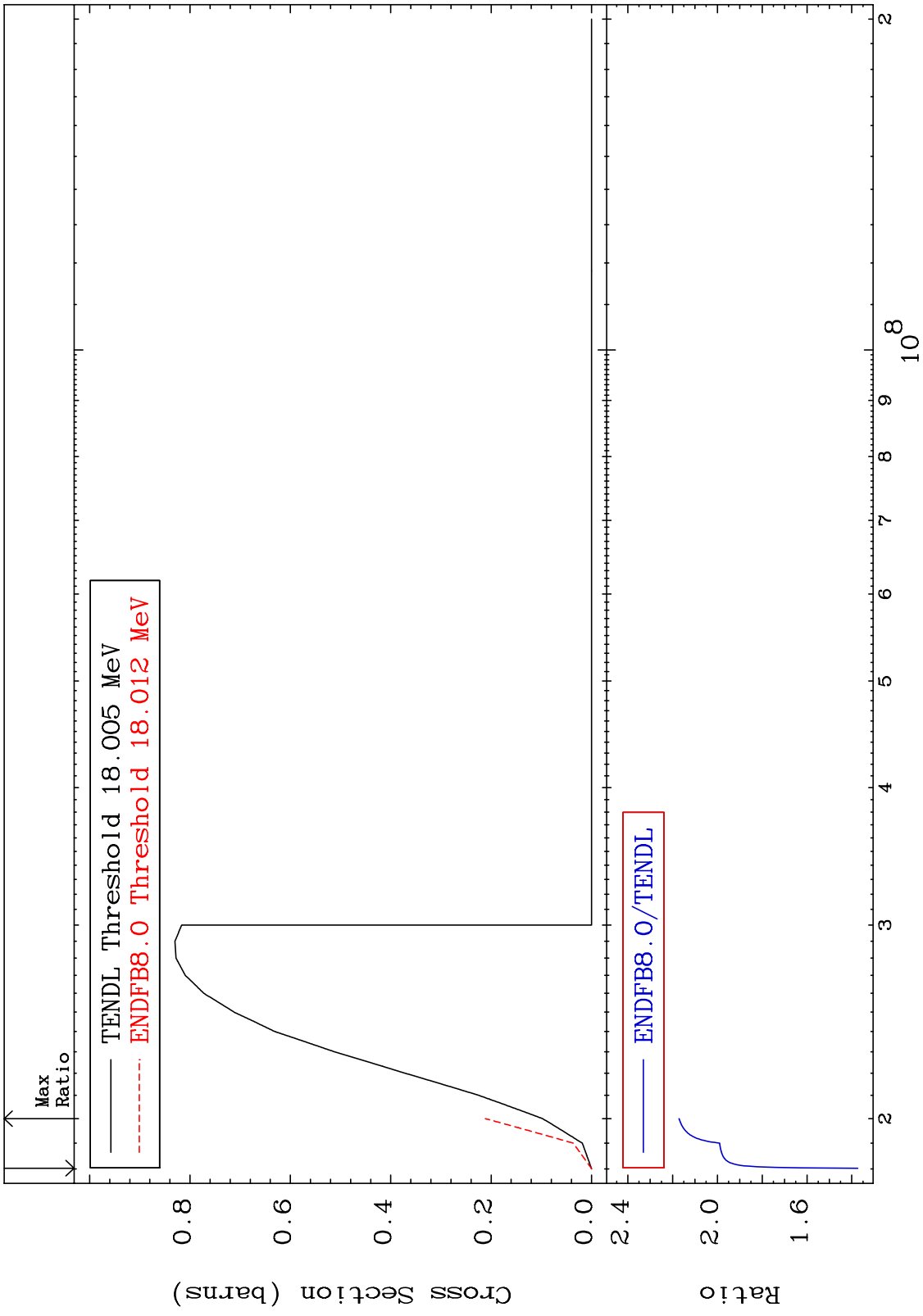
3 Incident Energy (eV) 50-Sn-115

MAT 5034 (n,2n) Cross Section 50-Sn-115 -56.70 To 72.01 %

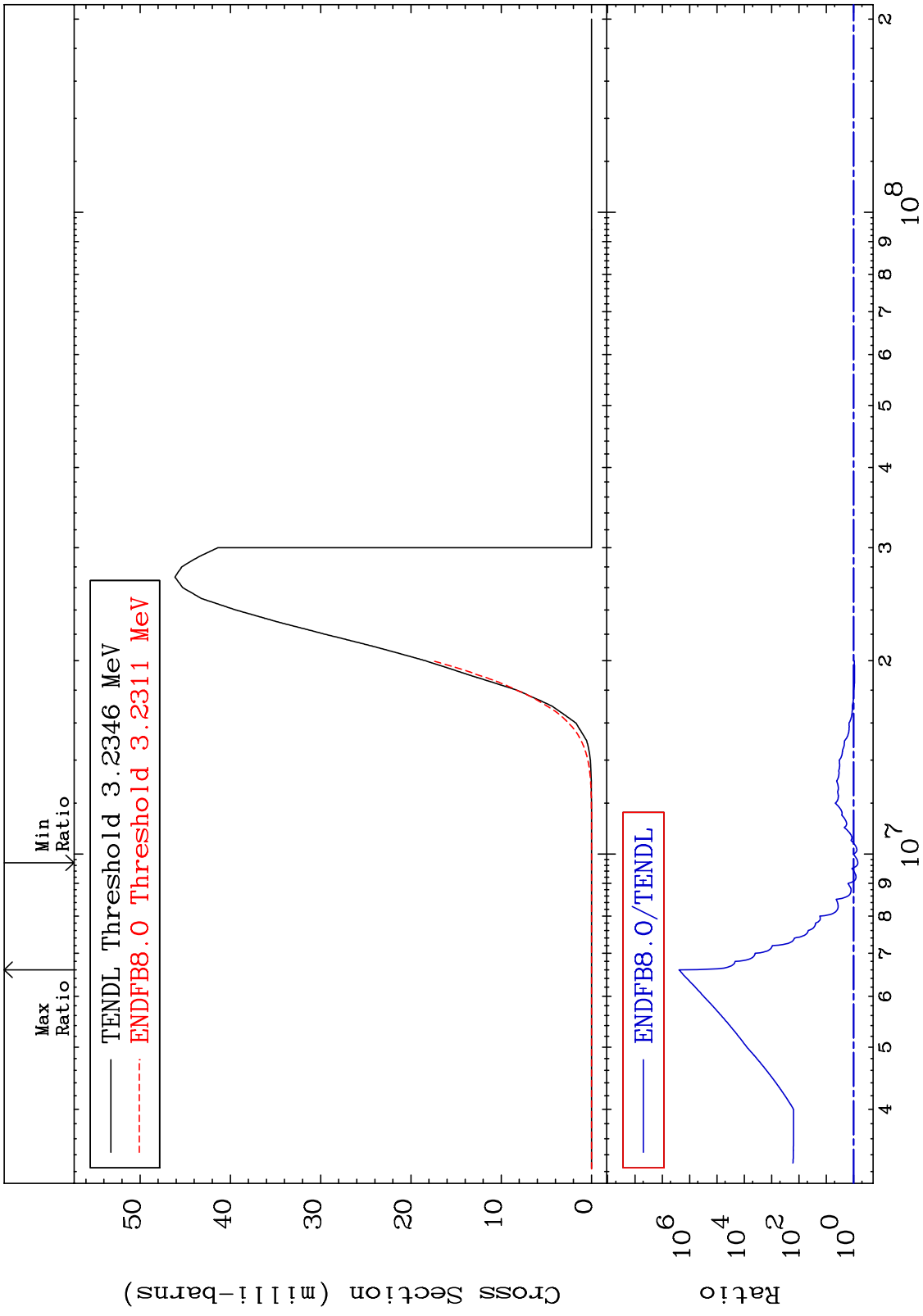


4 Incident Energy (eV) 50-Sn-115

MAT 5034 (n,3n) Cross Section 50-Sn-115 To 117.1 %
37.29



MAT 5034 $(n, n') \alpha$ 50-Sn-115
 Cross Section -29.47 To 9999. %



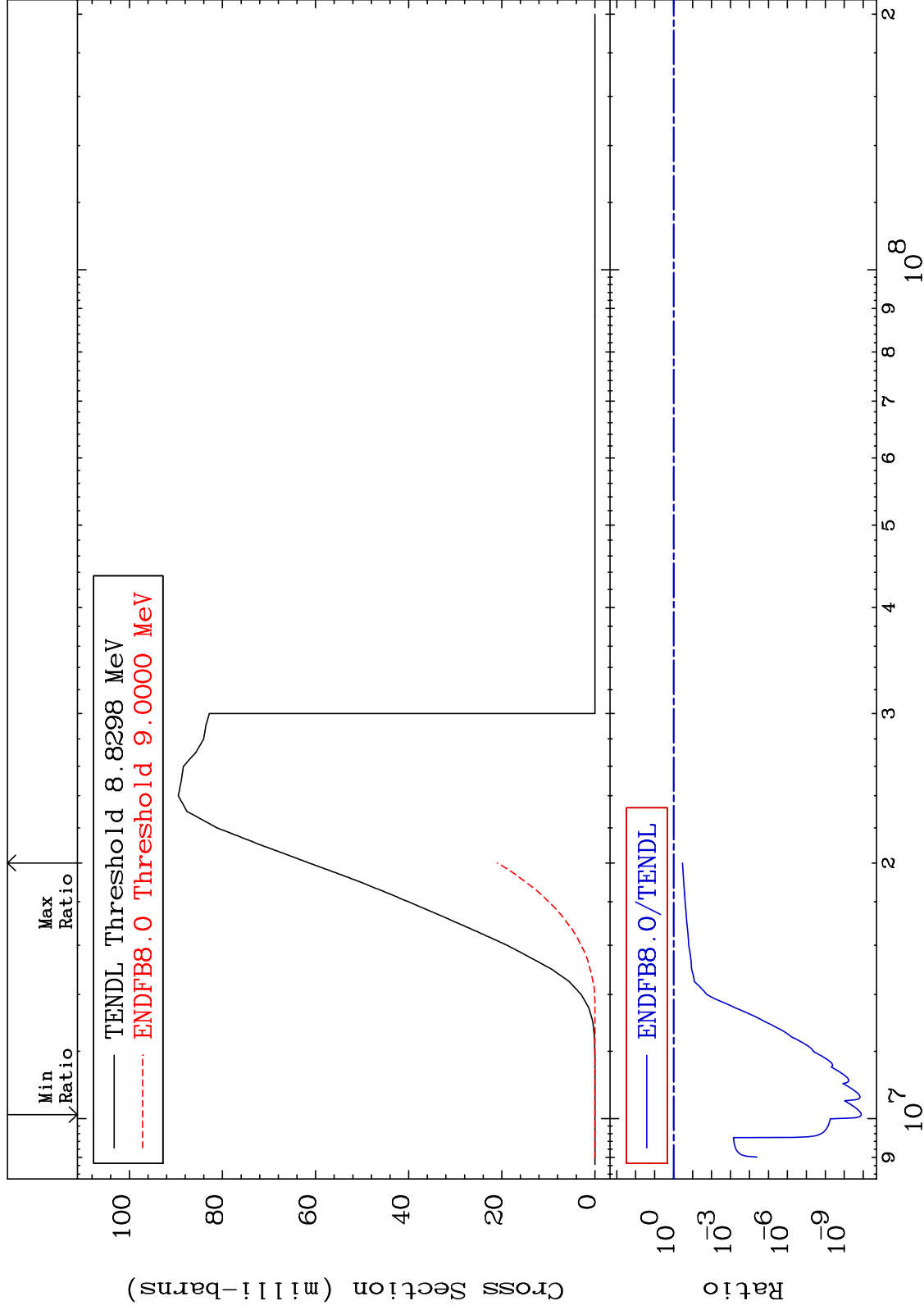
MAT 5034

(n,n') p

50-Sn-115

Cross Section

-100.0 To -65.83%

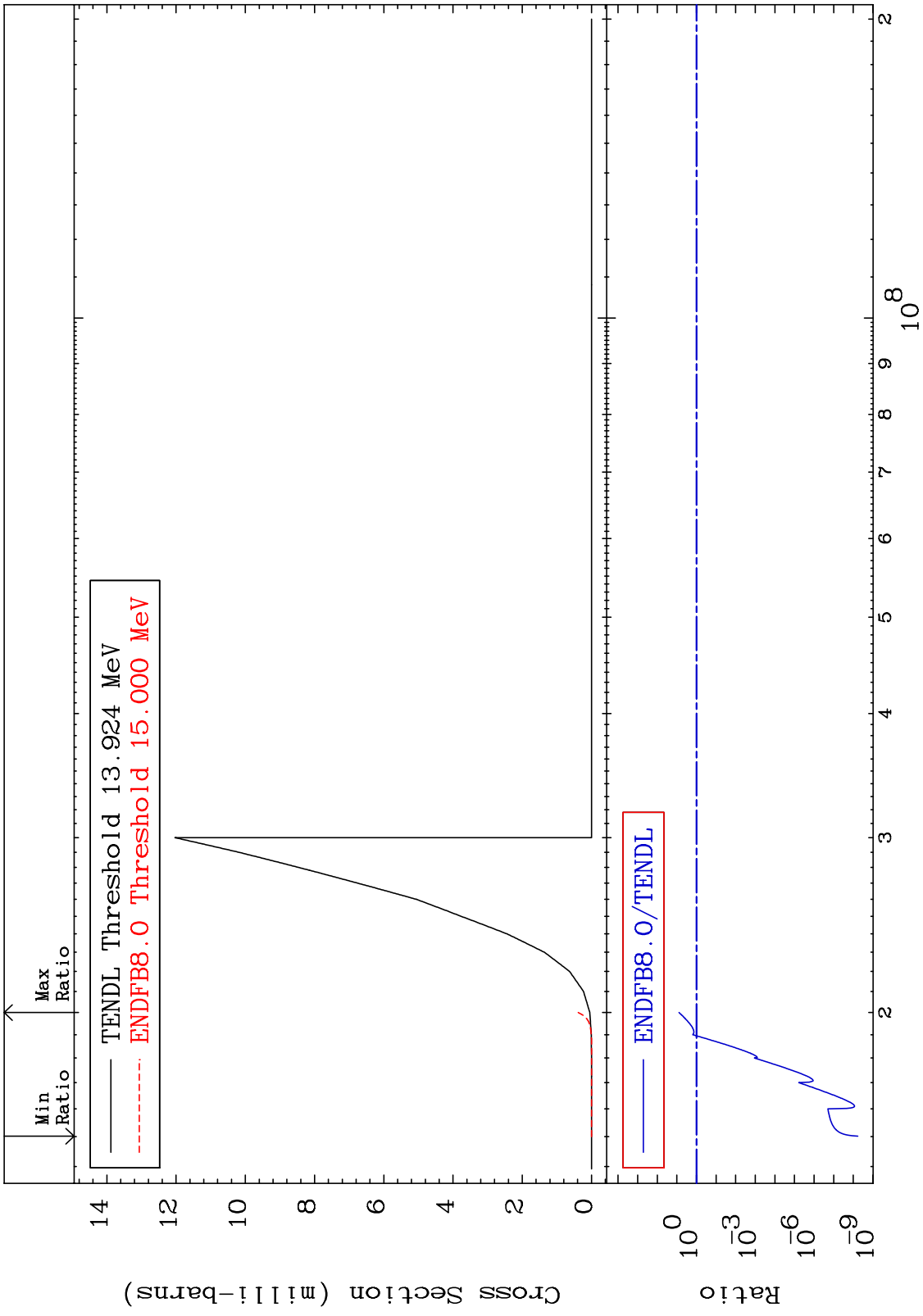


50-Sn-115

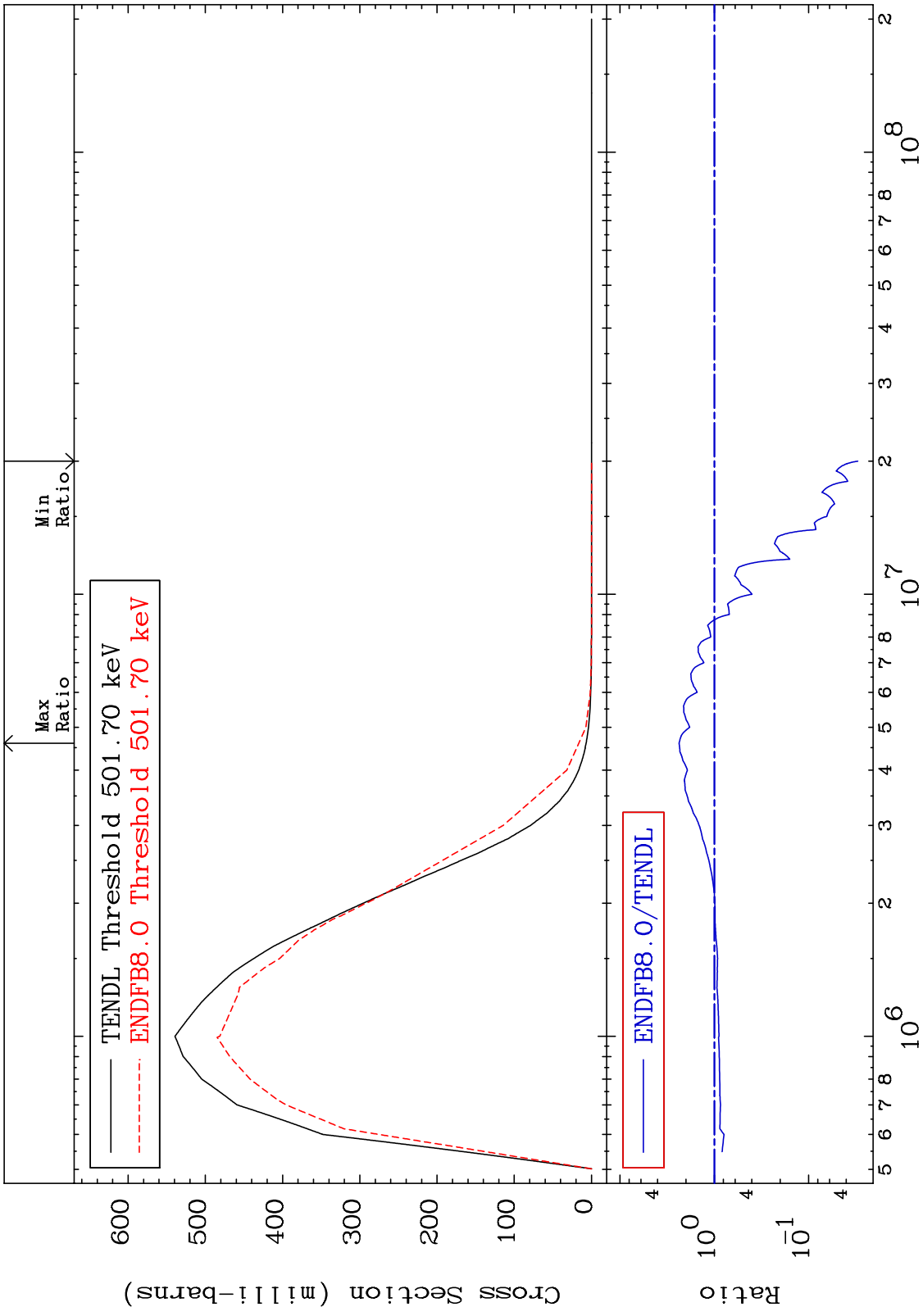
Incident Energy (eV)

7

MAT 5034 (n,n') d 50-Sn-115
 Cross Section -100.0 To 672.6 %

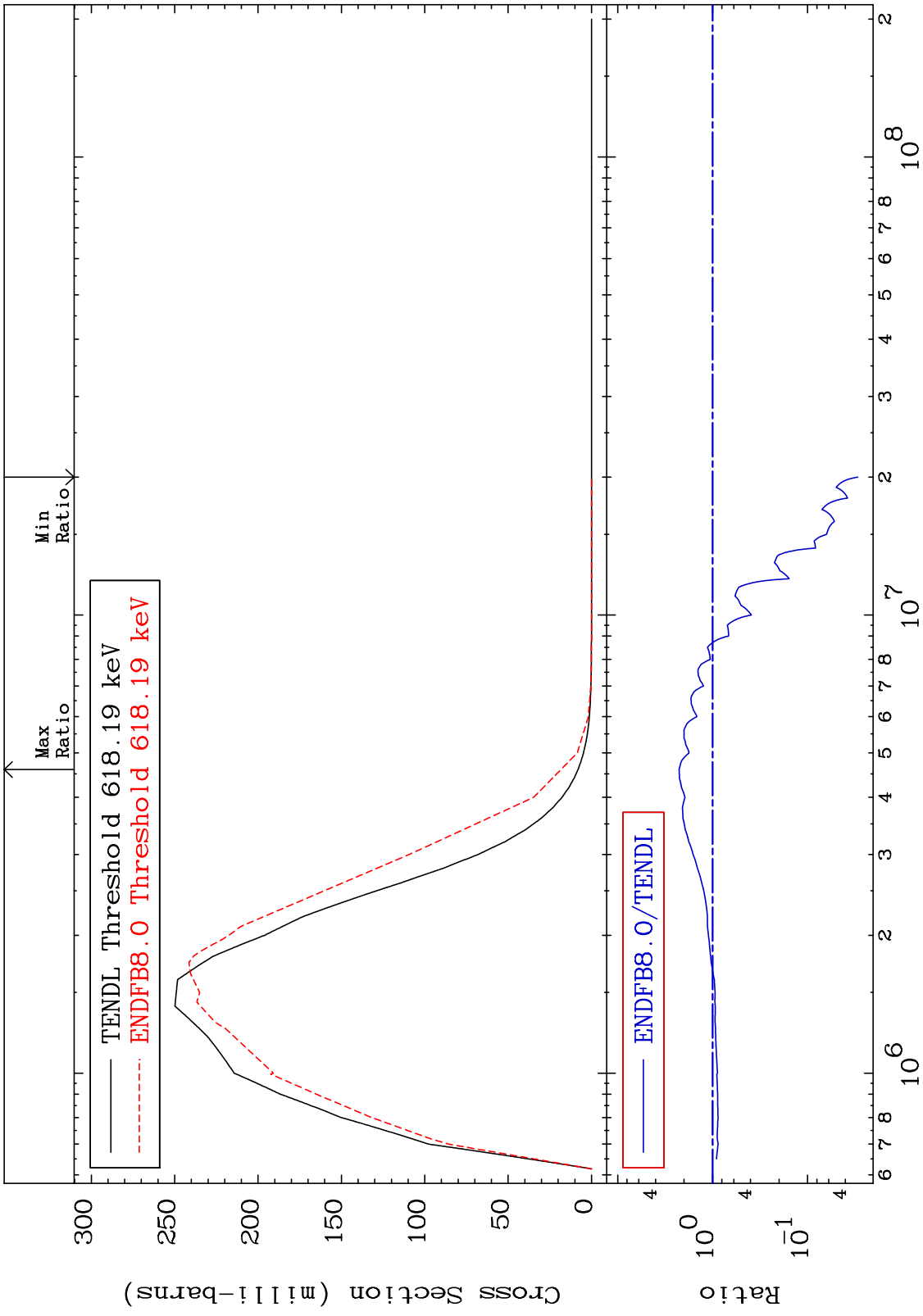


MAT 5034 MT= 51 (n,n') Level Cross Section 50-Sn-115 -96.99 To 136.4 %



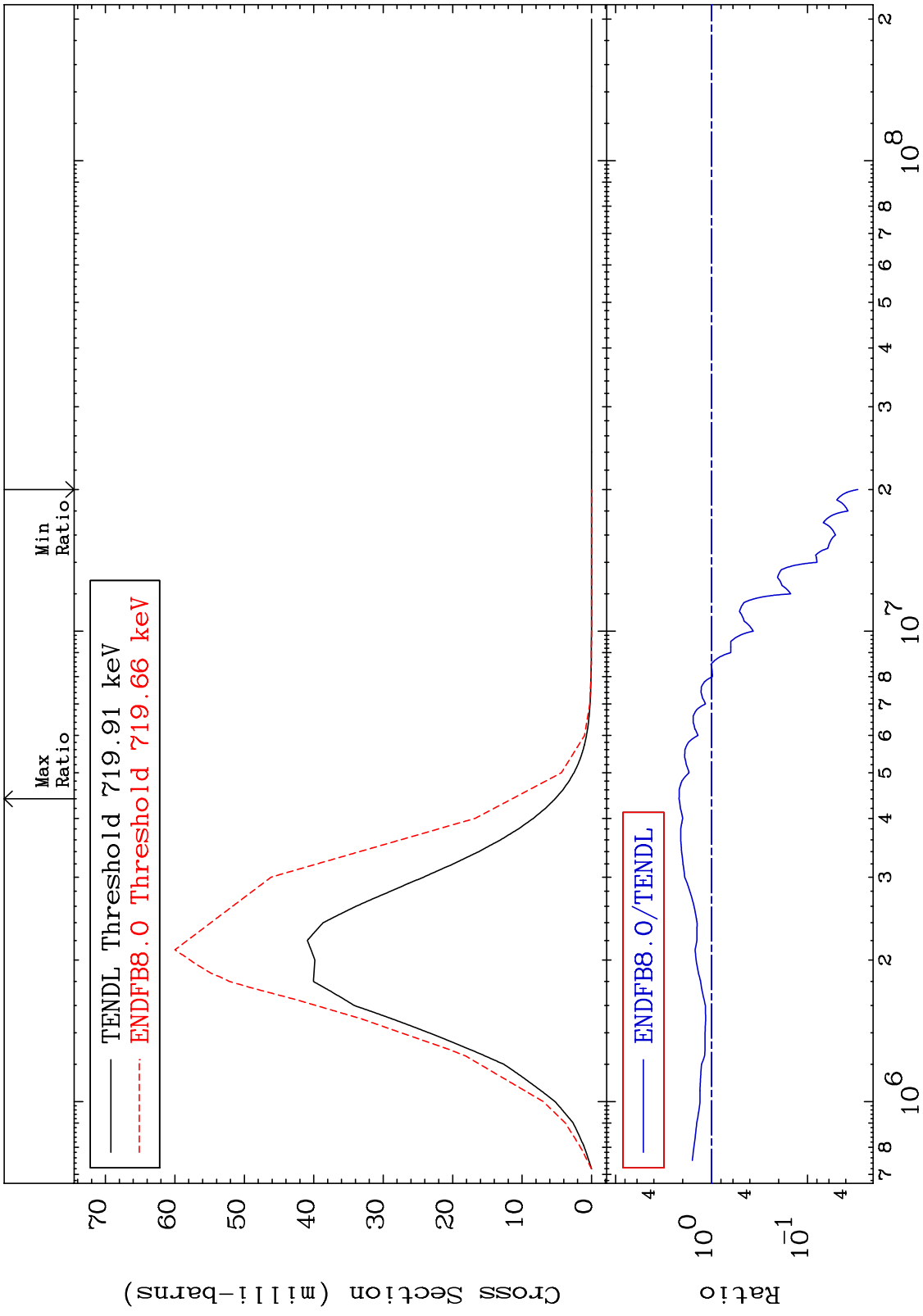
9 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 52 (n,n') Level Cross Section 50-Sn-115 -97.04 To 126.1 %



10 Incident Energy (eV) 50-Sn-115

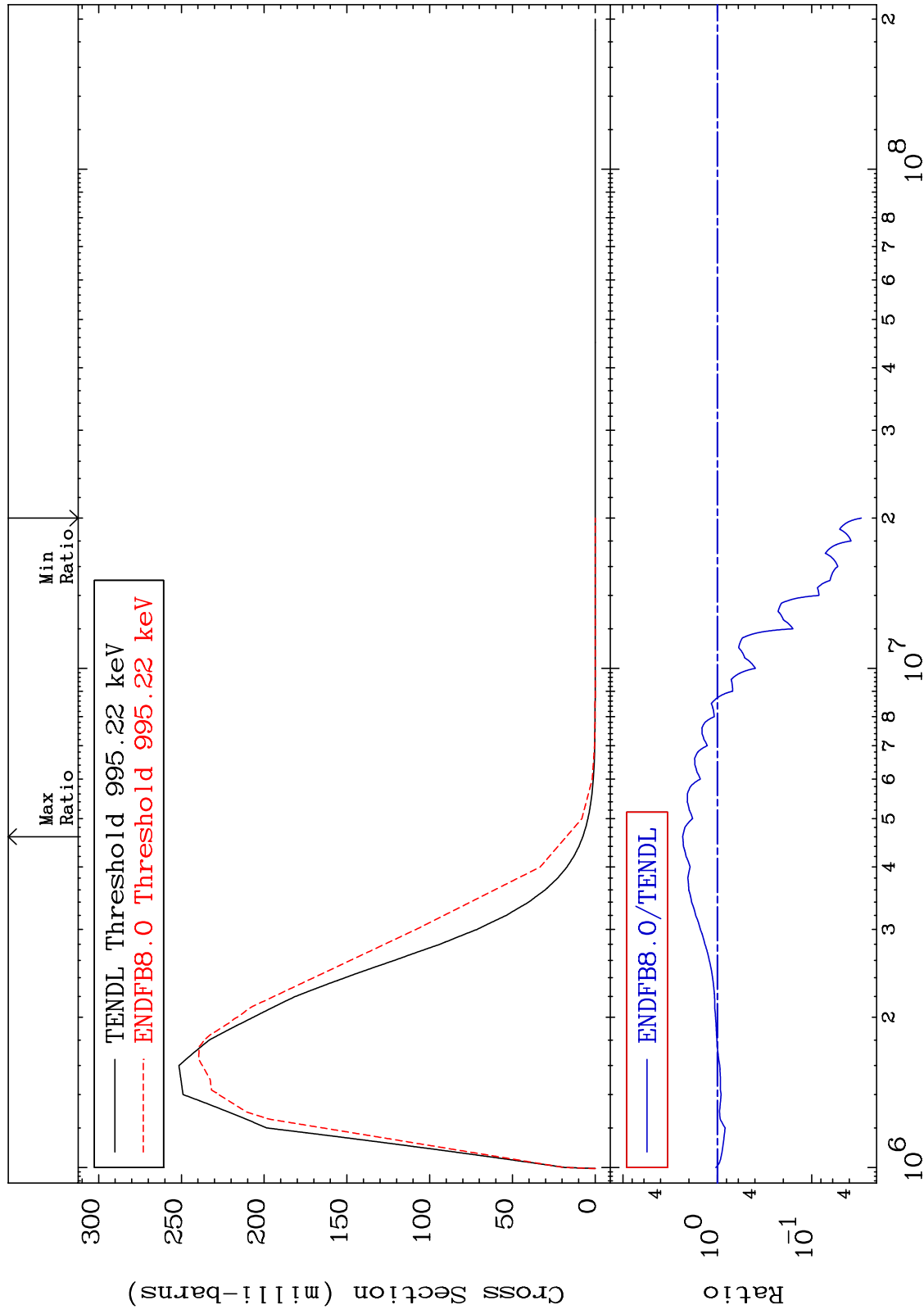
MAT 5034 MT= 53 (n,n') Level Cross Section 50-Sn-115
 -97.01 To 118.4 %



MAT 5034

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

50-Sn-115
-97.02 To 133.4 %

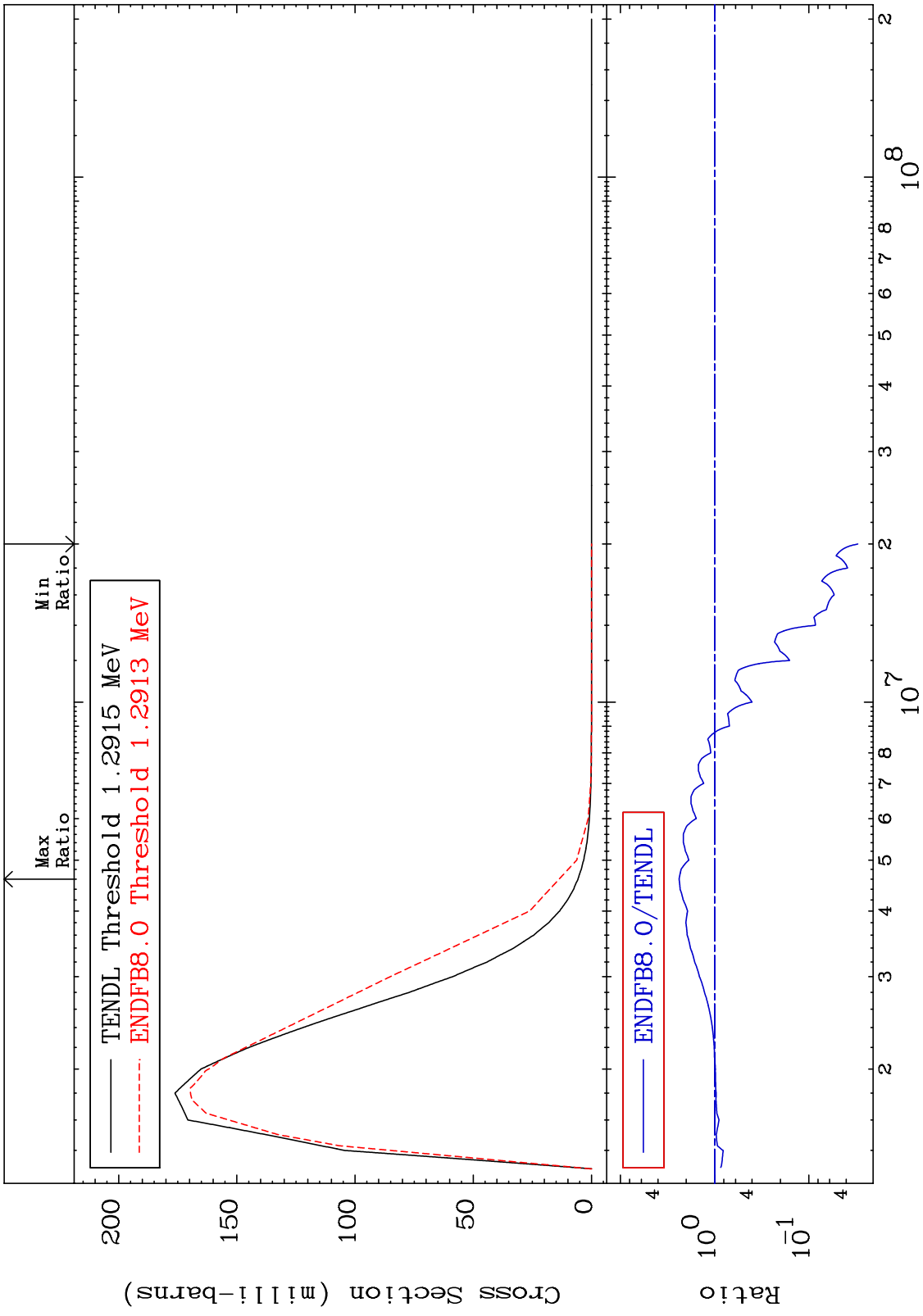


12

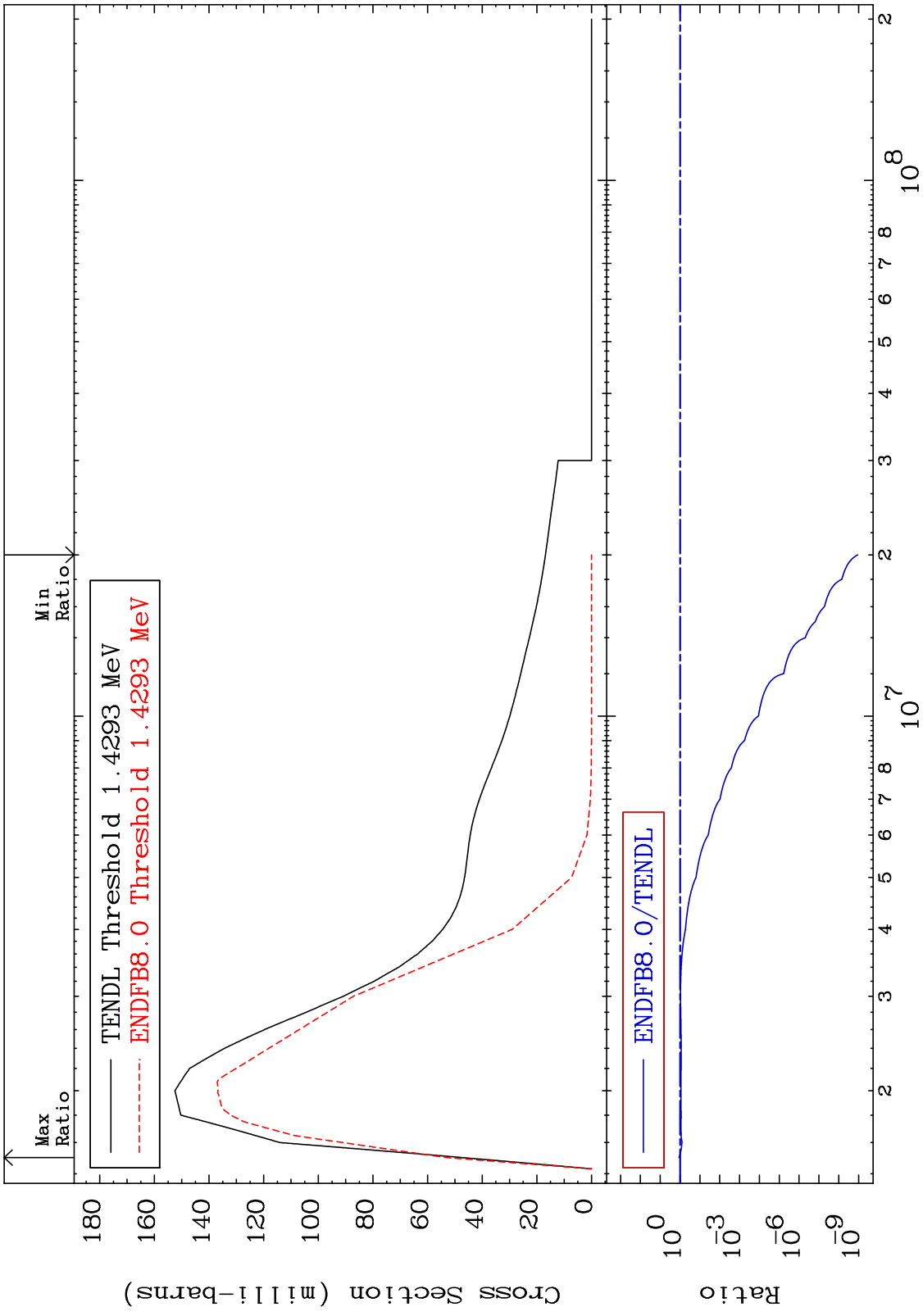
Incident Energy (eV)

50-Sn-115

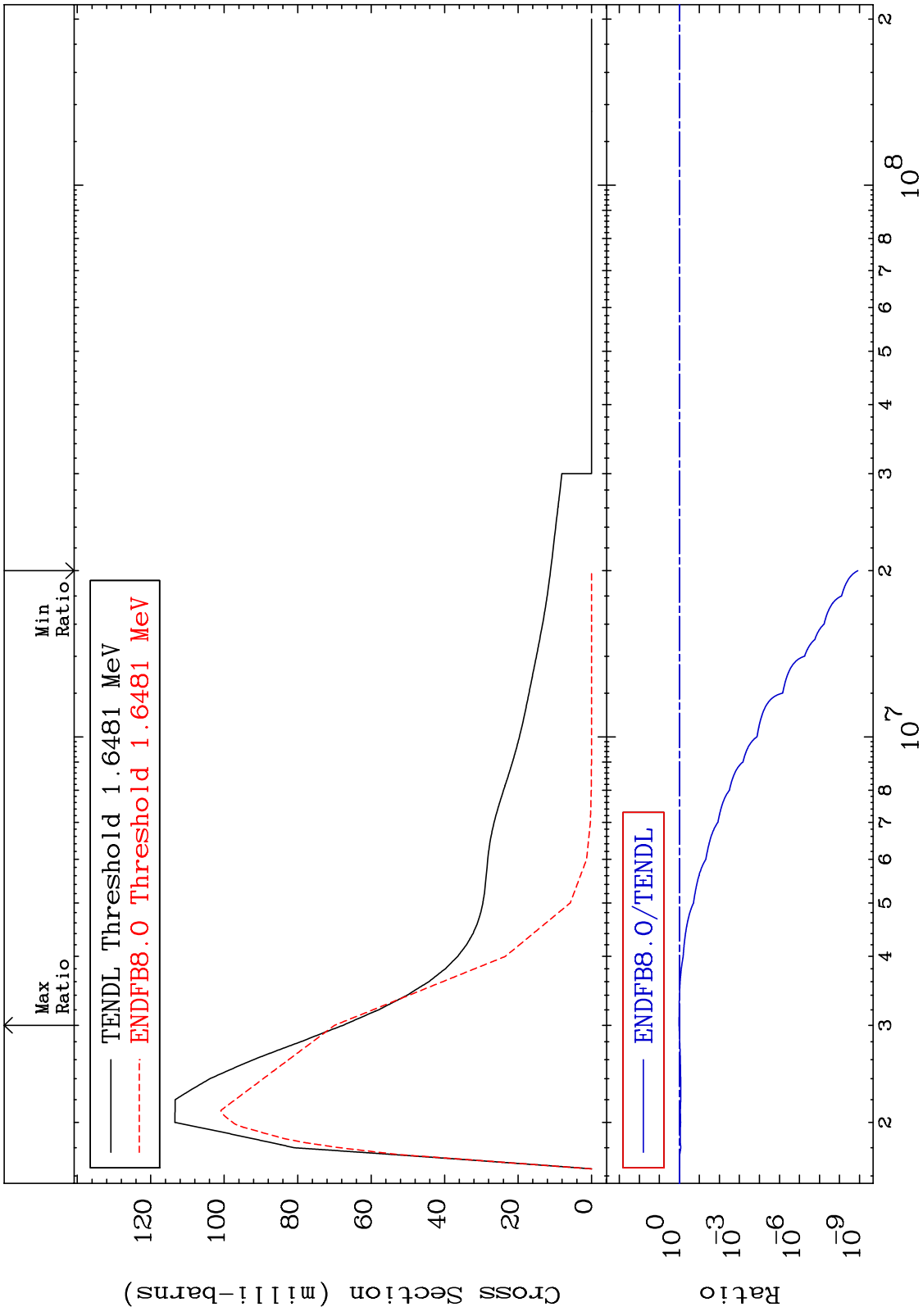
MAT 5034 MT= 55 (n,n') Level Cross Section 50-Sn-115 -96.99 To 138.5 %



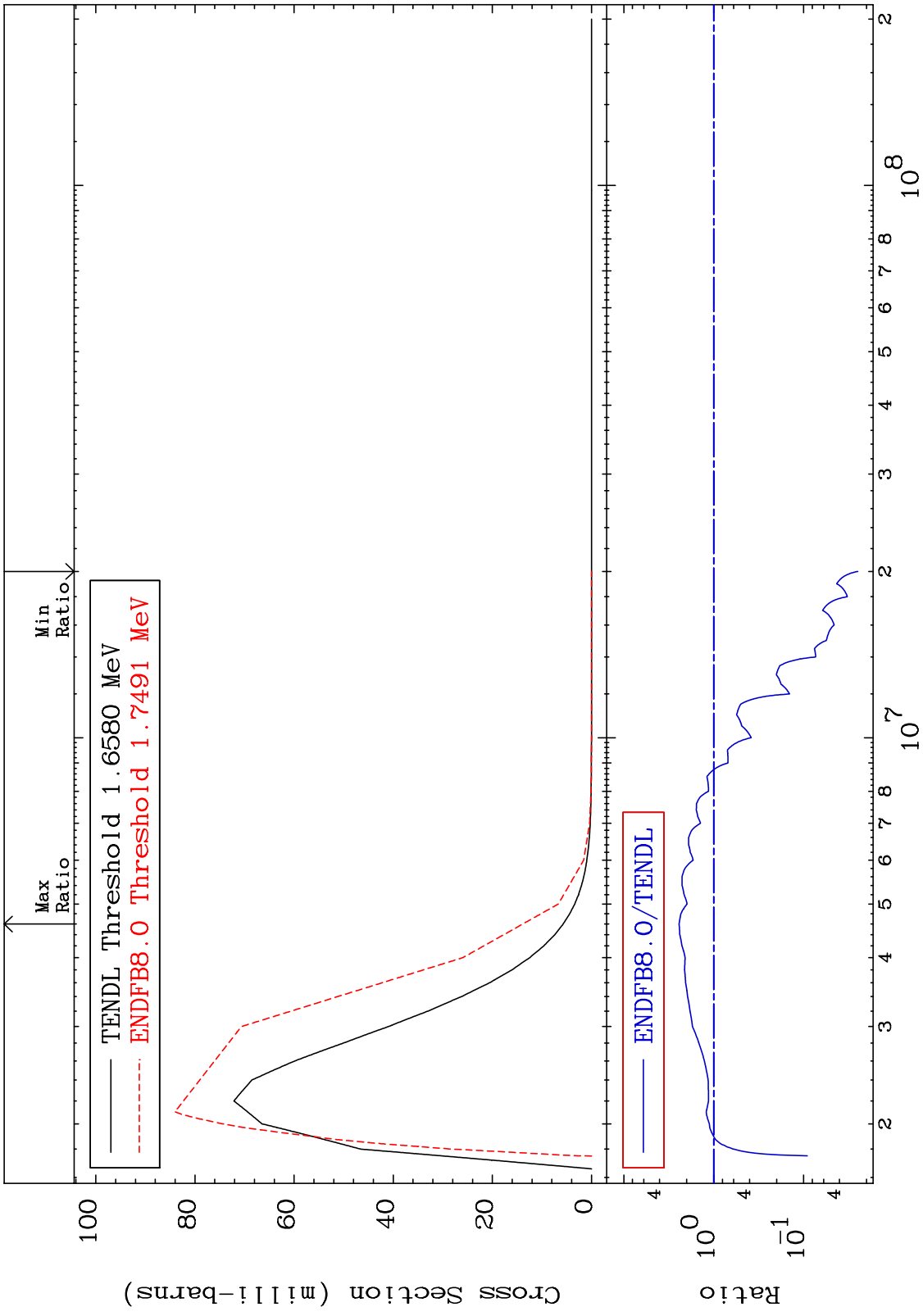
MAT 5034 MT= 56 (n,n') Level Cross Section 50-Sn-115 -100.0 To 12.23 %



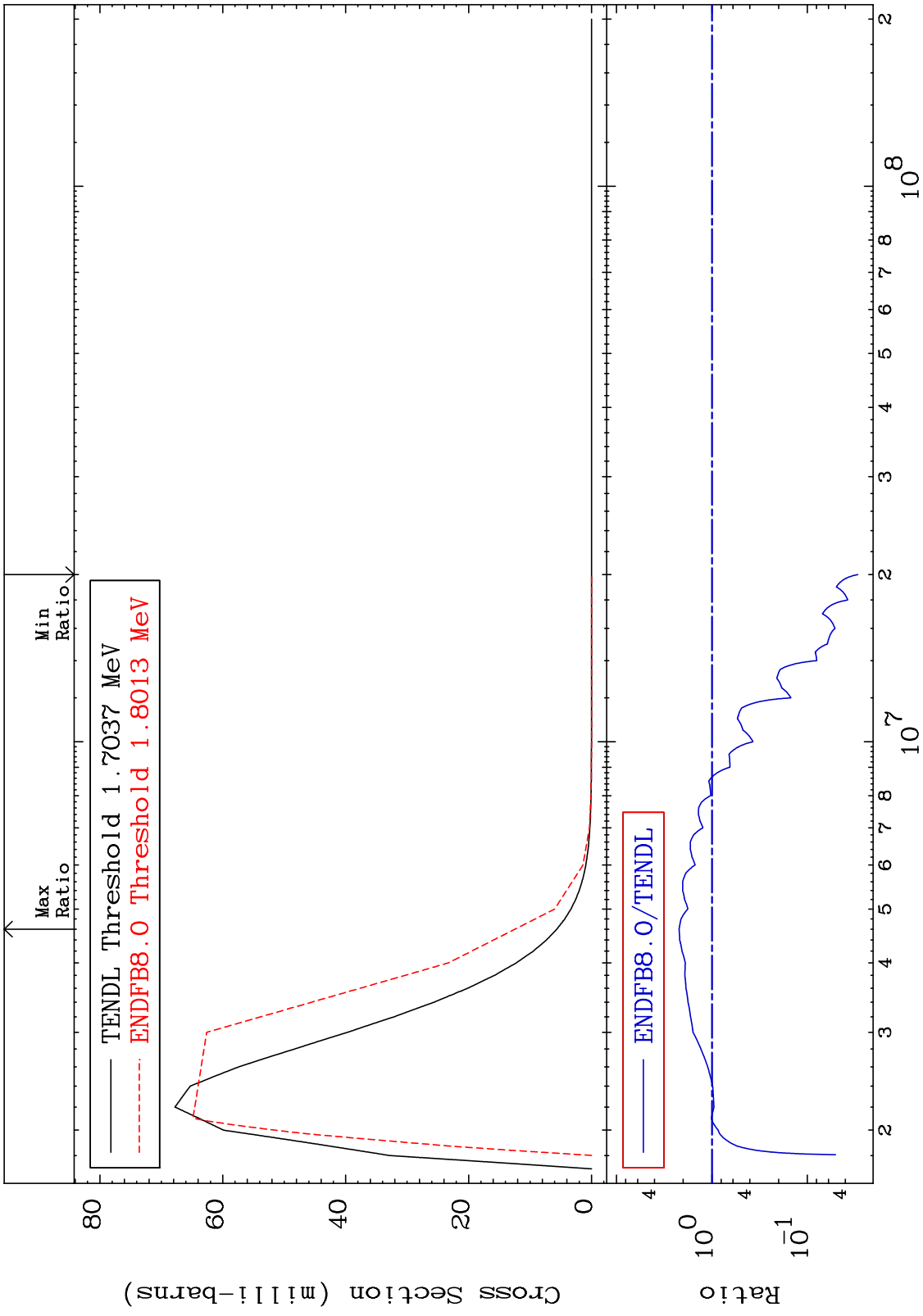
MAT 5034 MT= 57 (n,n') Level Cross Section 50-Sn-115
 -100.0 To 3.445 %



MAT 5034 MT= 58 (n,n') Level Cross Section 50-Sn-115
 -97.50 To 143.0 %



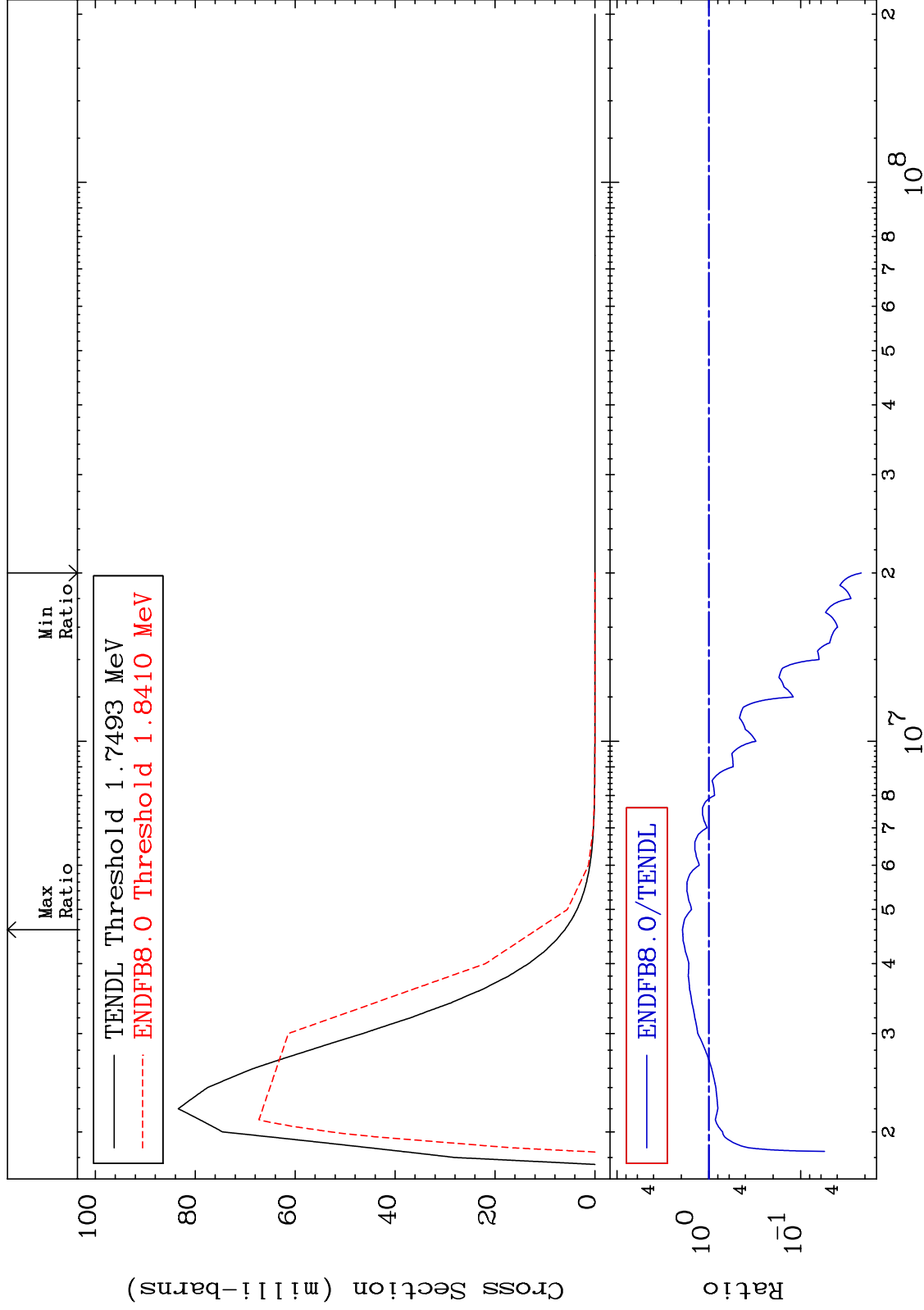
MAT 5034 MT= 59 (n,n') Level Cross Section 50-Sn-115 -97.04 To 120.9 %



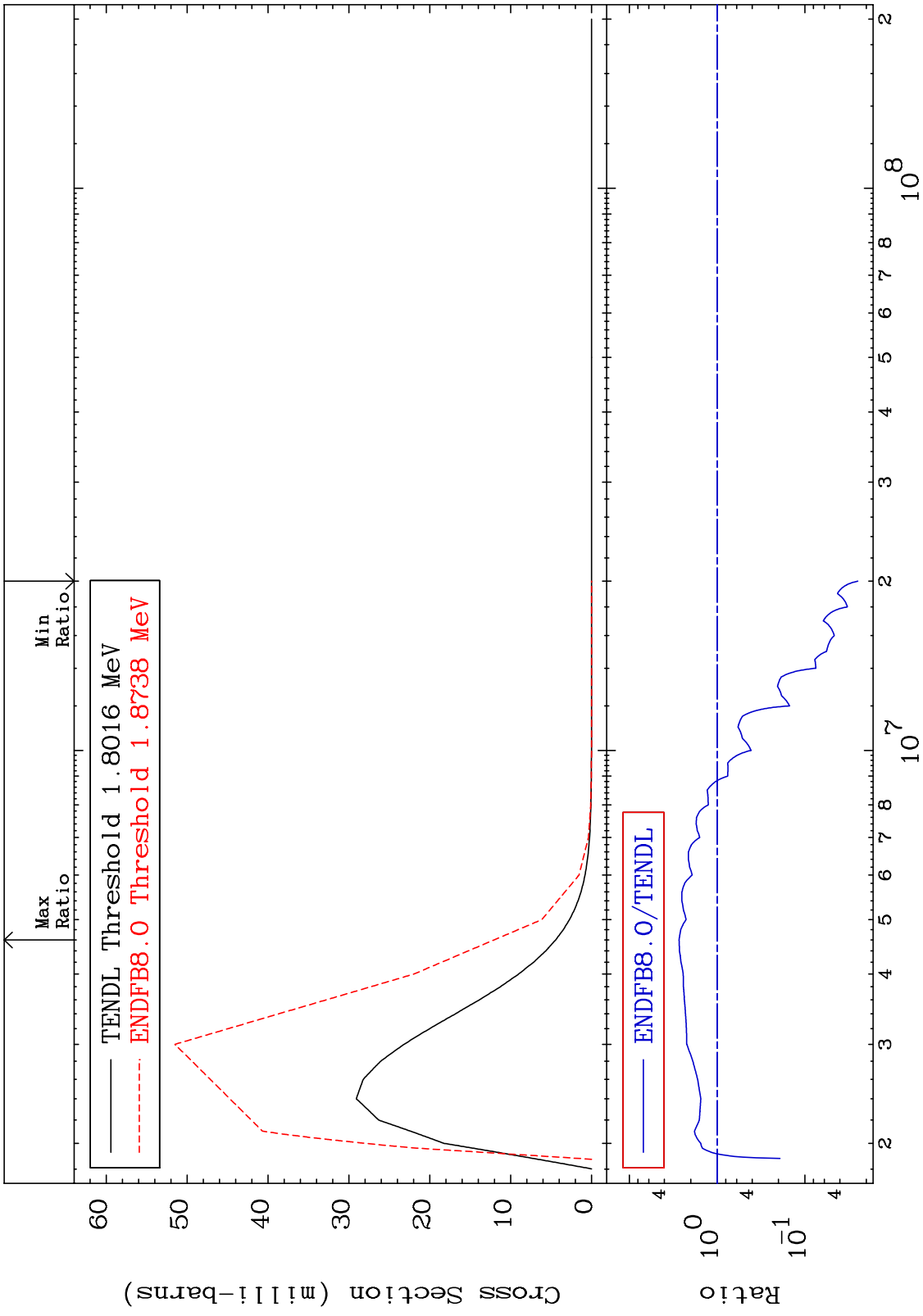
MAT 5034

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

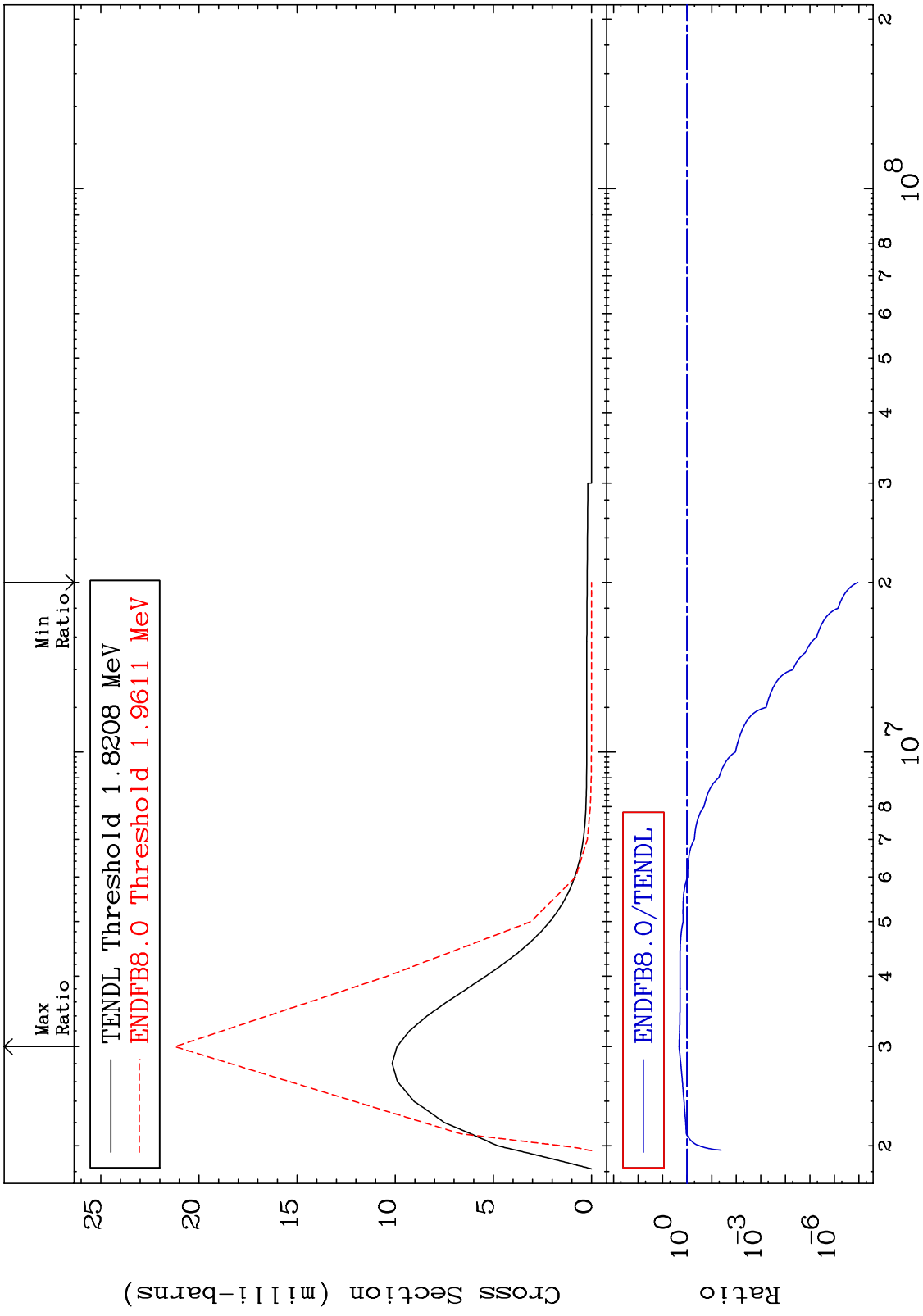
50-Sn-115
-97.81 To 93.78 %



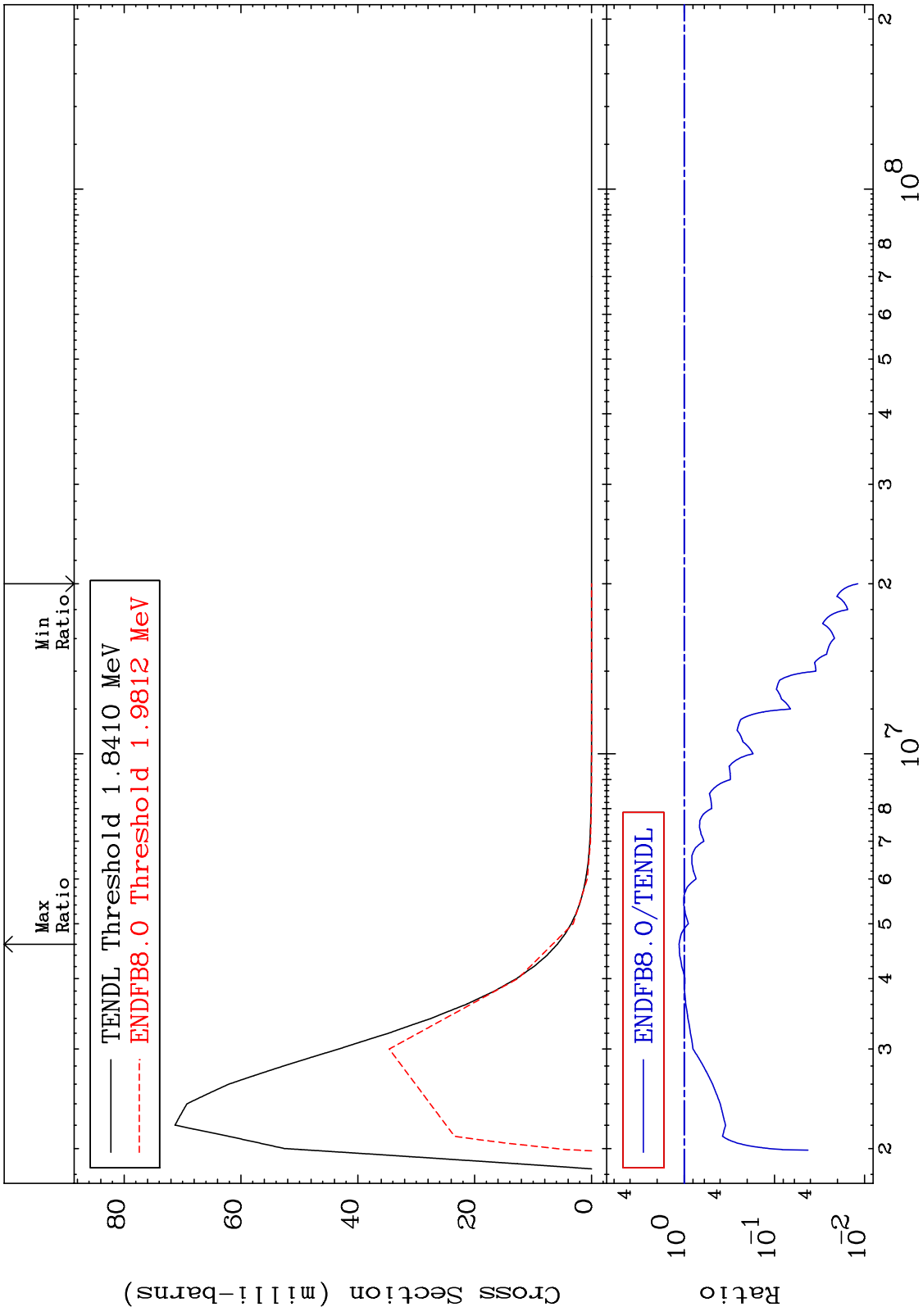
MAT 5034 MT= 61 (n,n') Level Cross Section 50-Sn-115
 -97.50 To 171.9 %



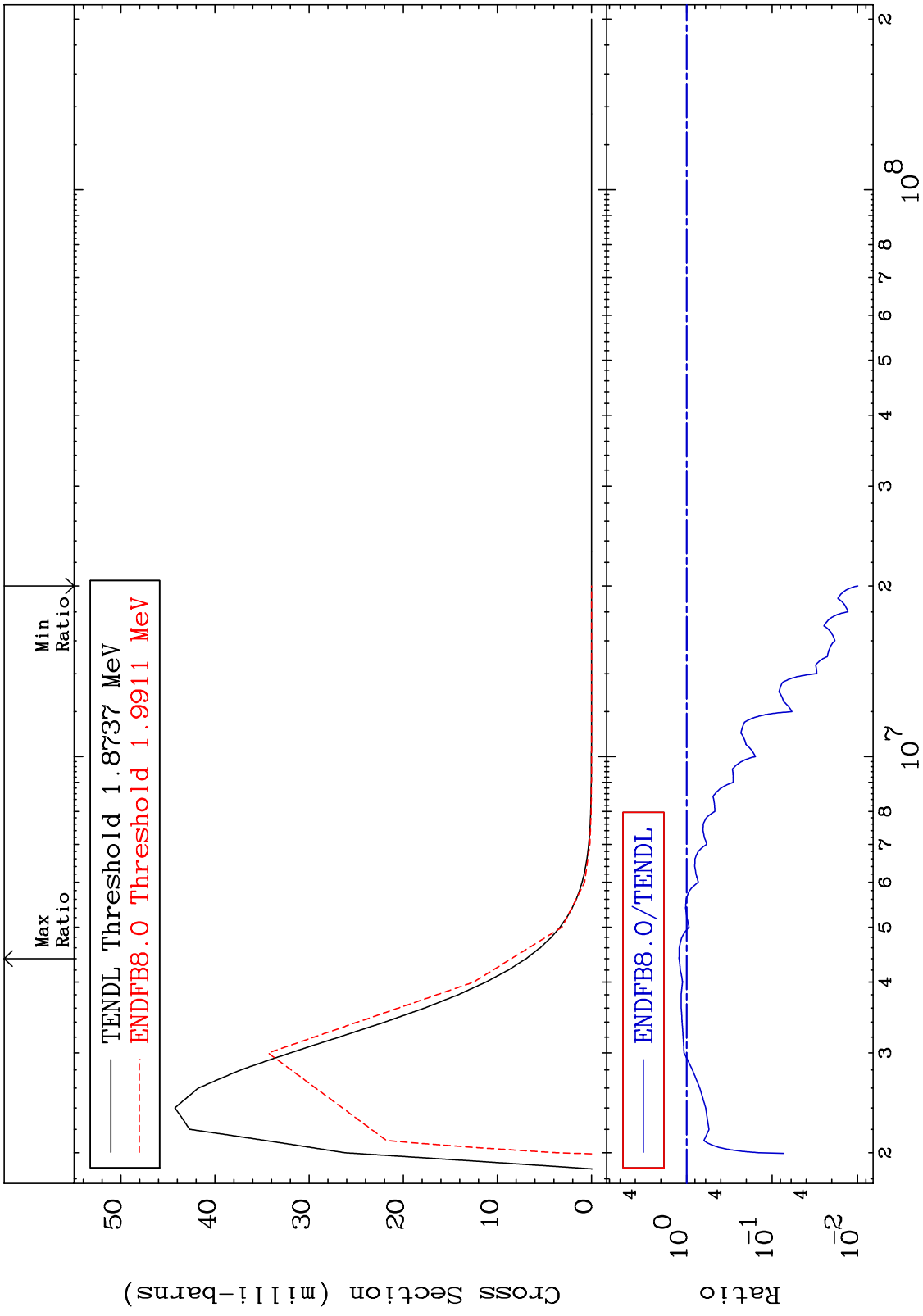
MAT 5034 MT= 62 (n,n') Level Cross Section 50-Sn-115
 -100.0 To 114.2 %



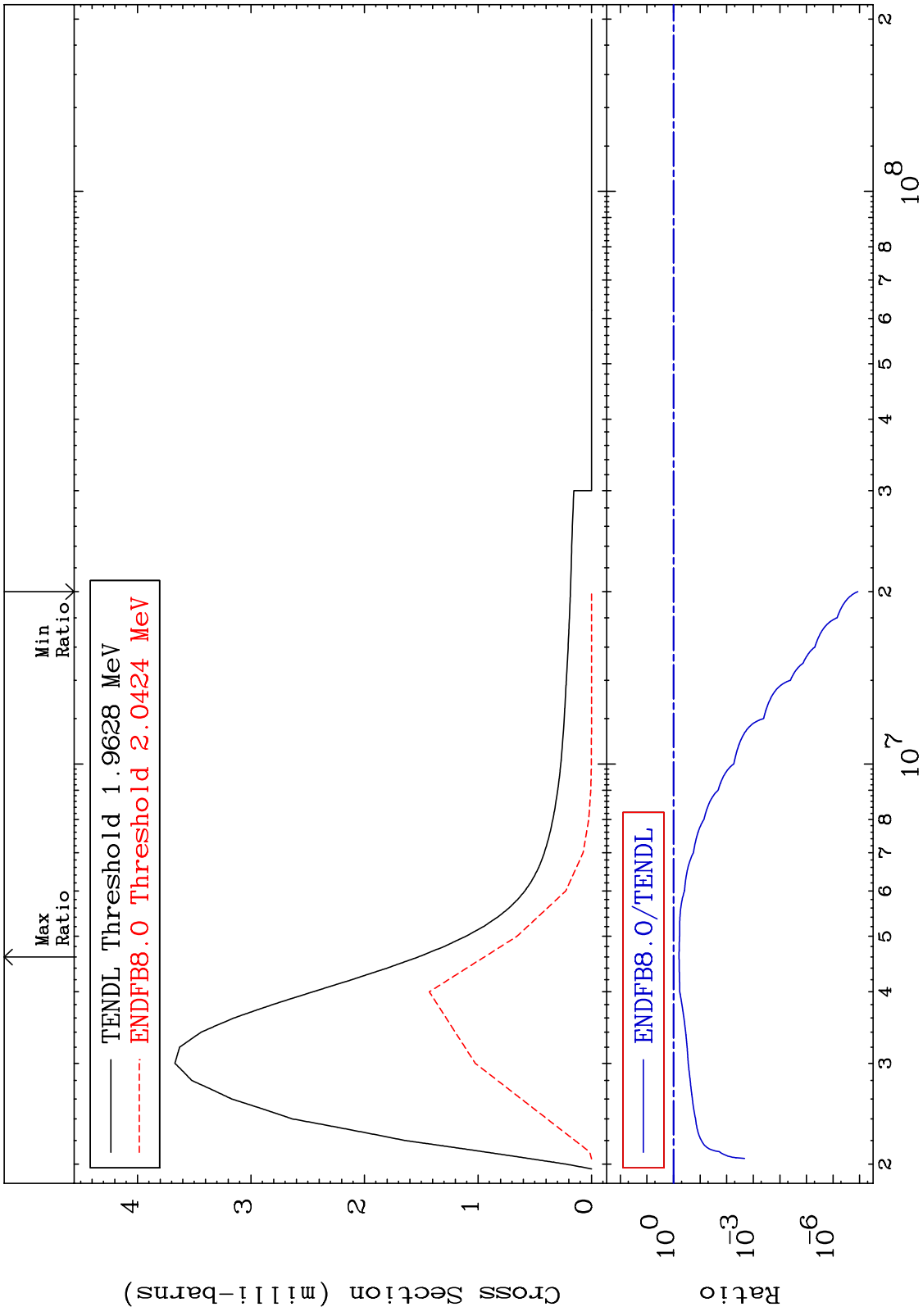
MAT 5034 MT= 63 (n,n') Level Cross Section 50-Sn-115
 -98.81 To 14.19 %



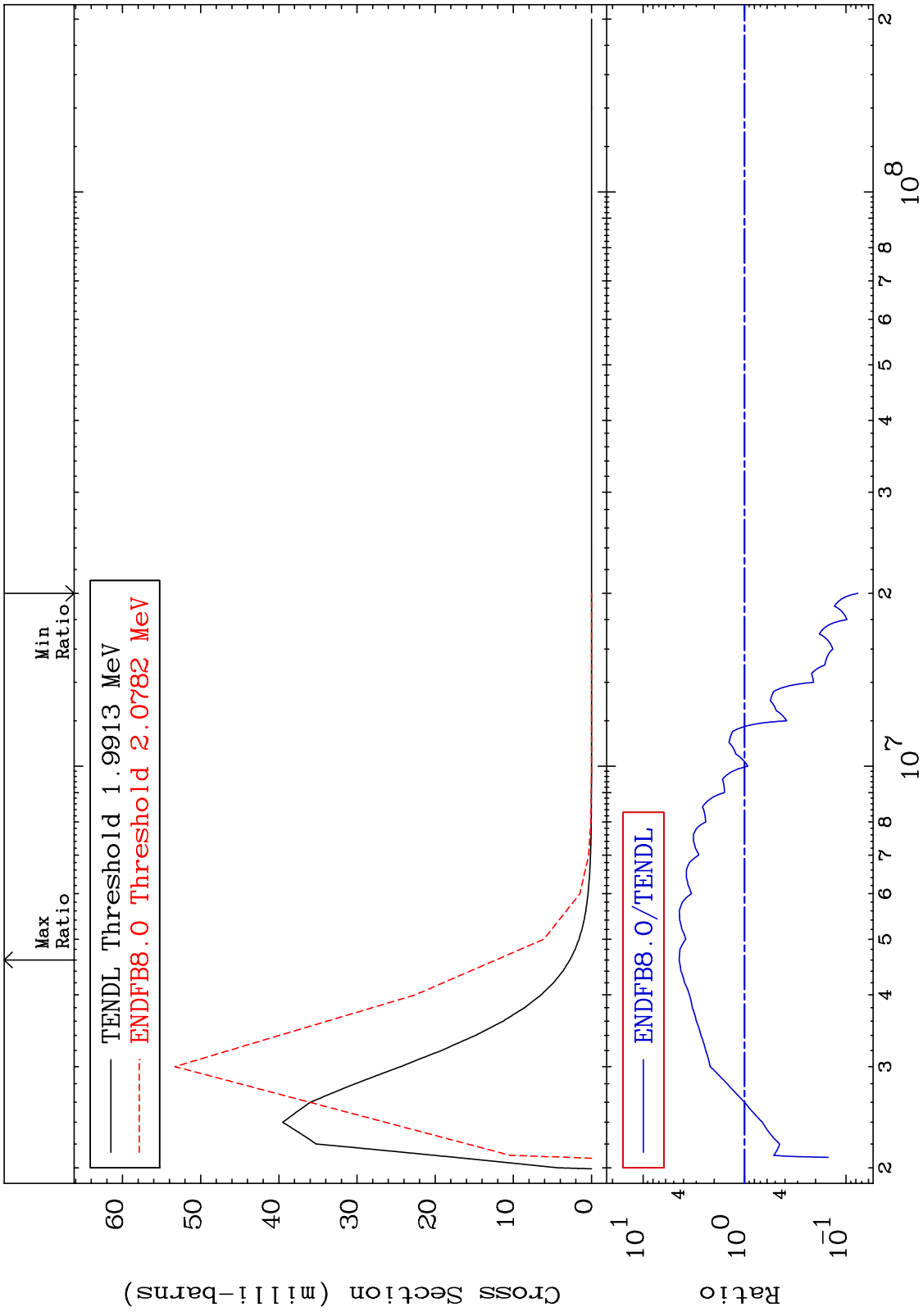
MAT 5034 MT= 64 (n,n') Level Cross Section 50-Sn-115
 -99.01 To 22.68 %



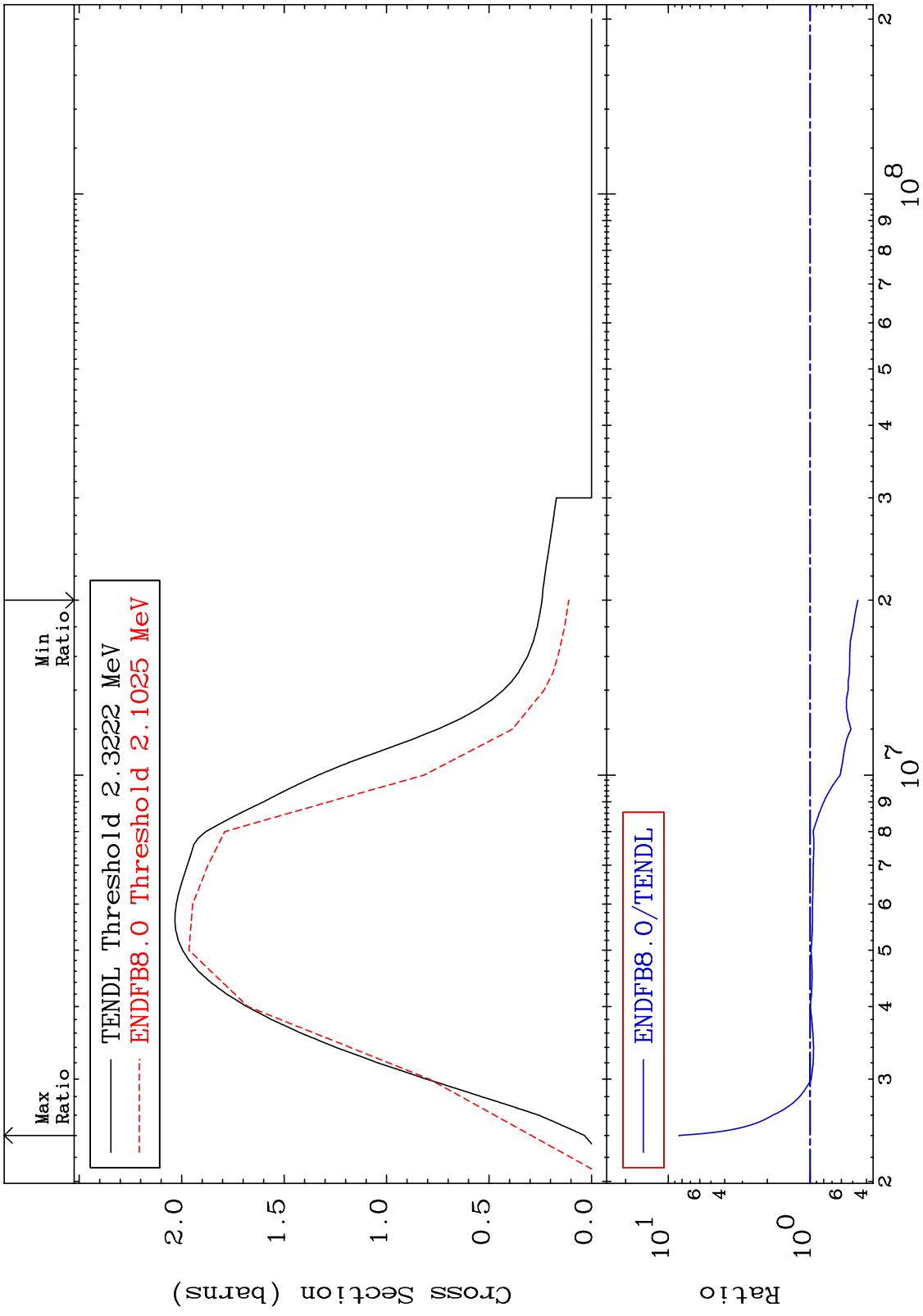
MAT 5034 MT= 65 (n,n') Level Cross Section 50-Sn-115 -100.0 To -38.12%



MAT 5034 MT= 66 (n,n') Level Cross Section 50-Sn-115 -92.35 To 342.8 %



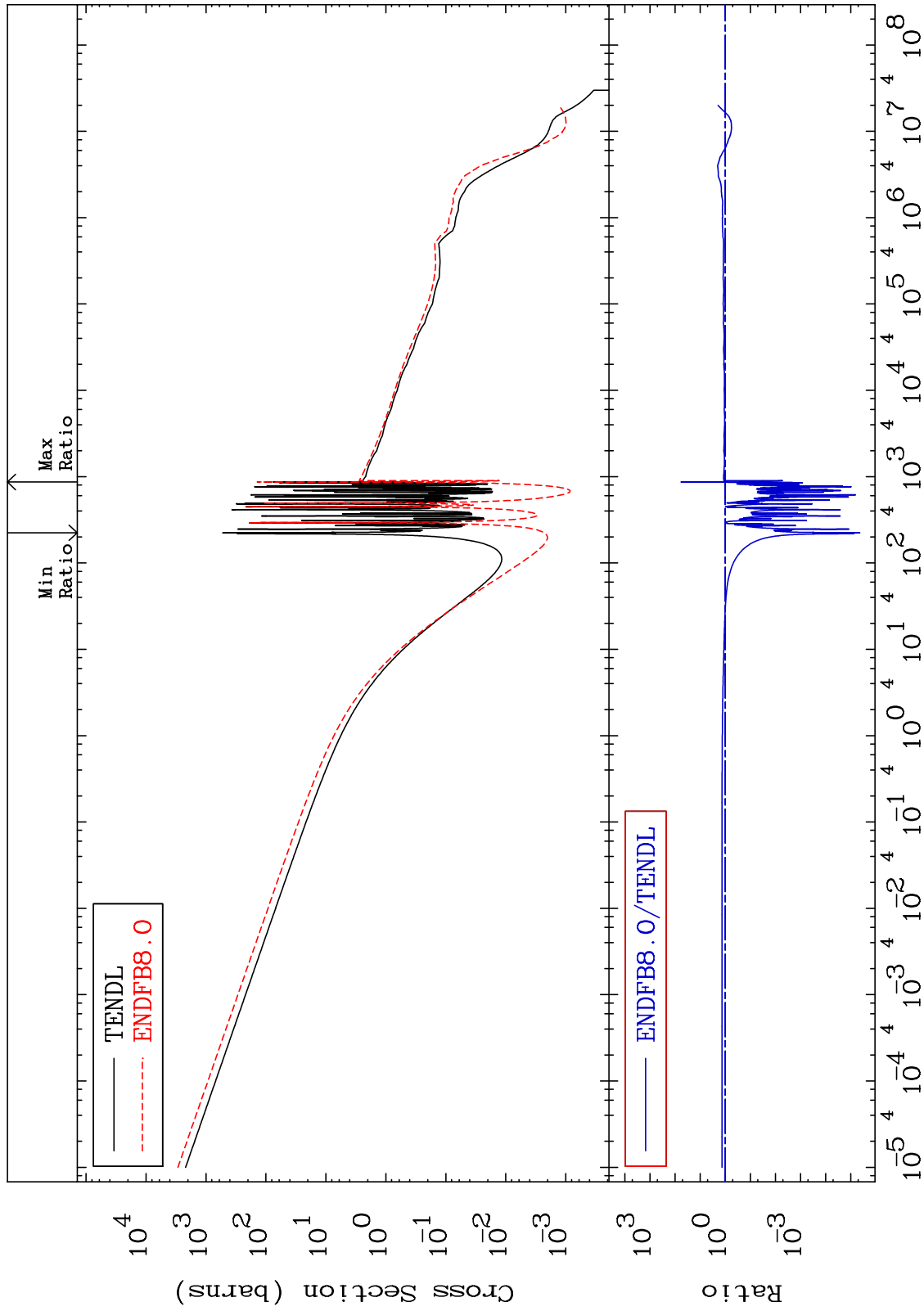
MAT 5034 (n, n') Continuum Cross Section 50-Sn-115 -54.00 To 739.8 %



MAT 5034

(n, γ)
Cross Section

50-Sn-115
-100.0 To 5520. %



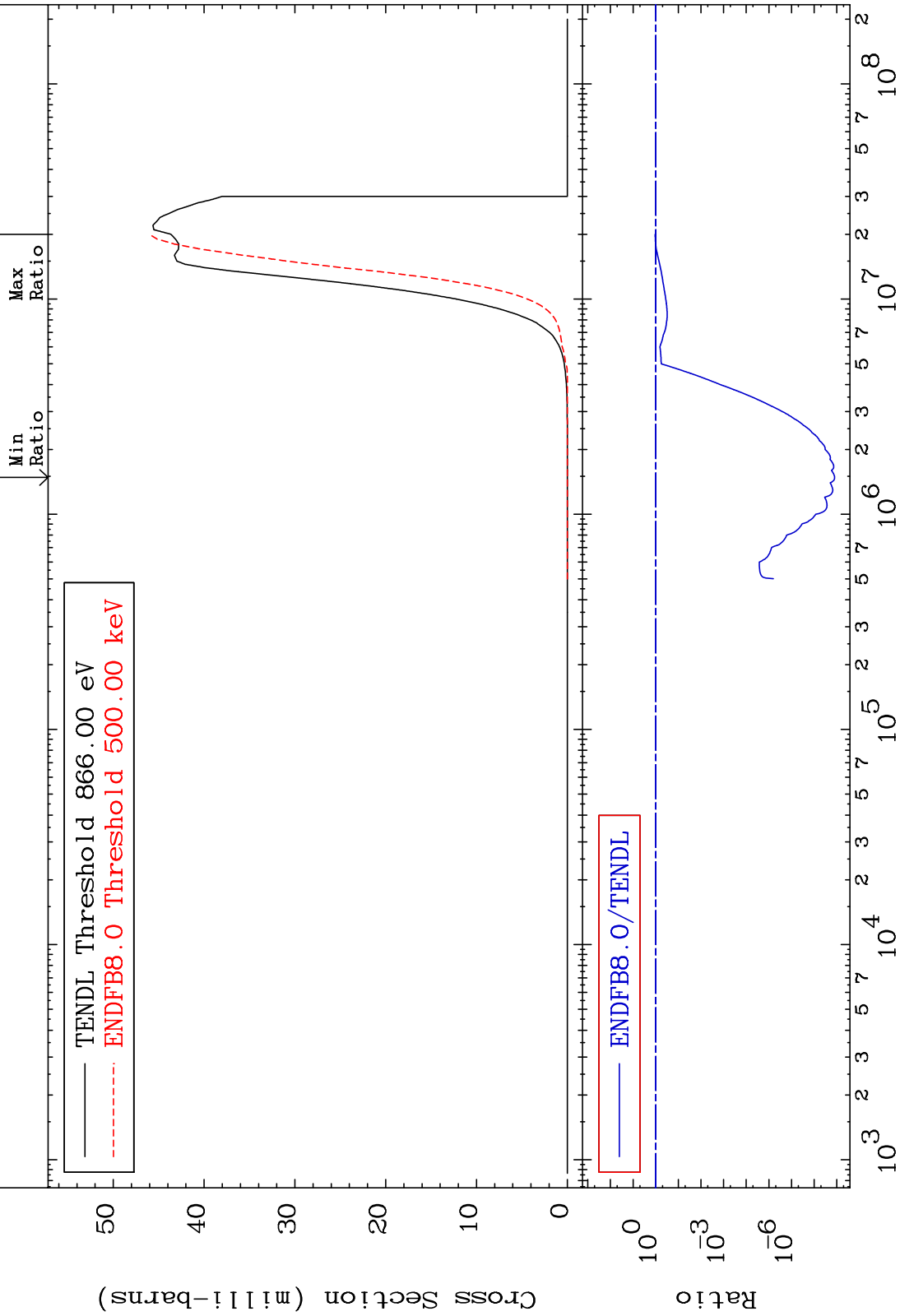
MAT 5034

(n,p)

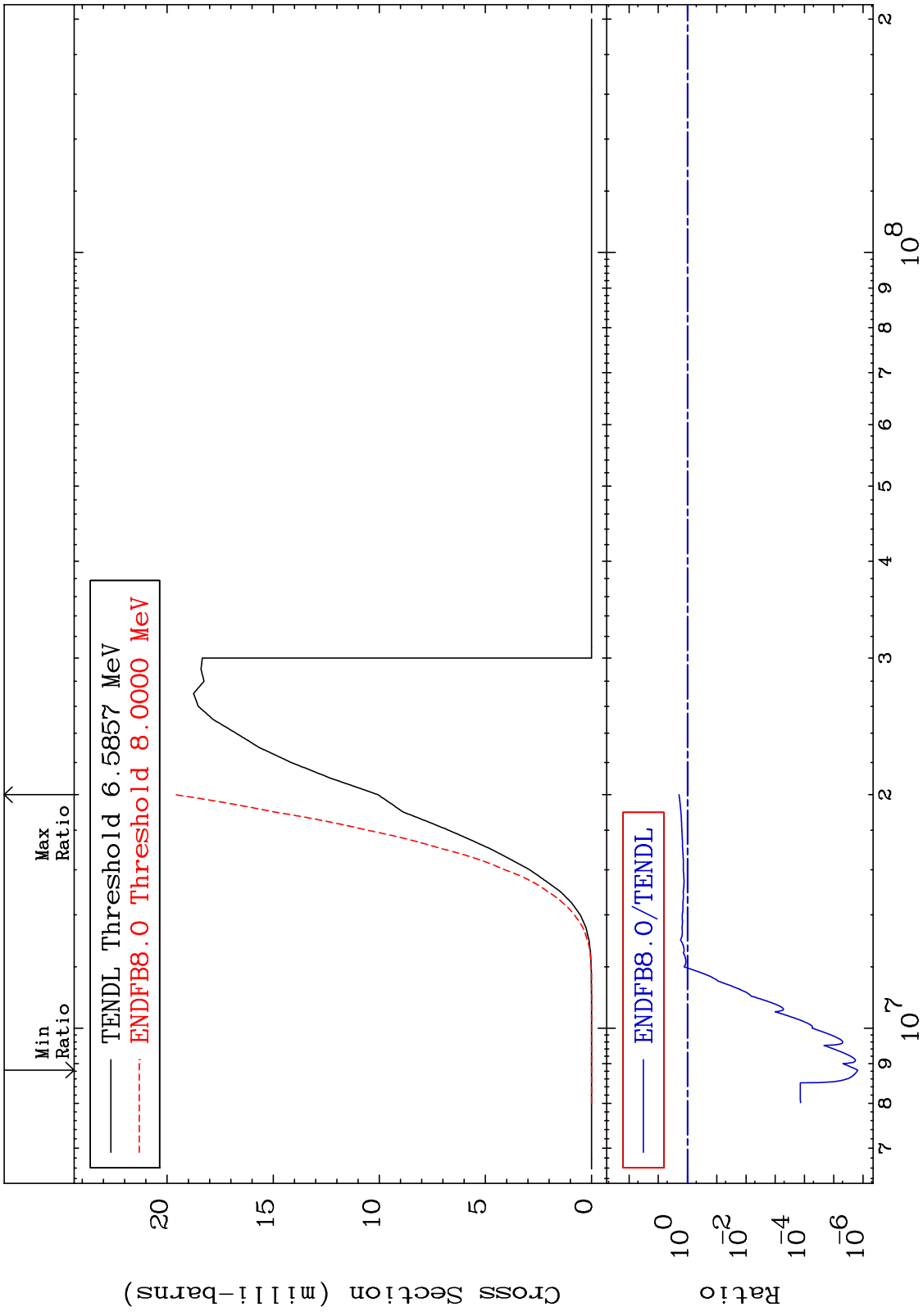
50-Sn-115

Cross Section

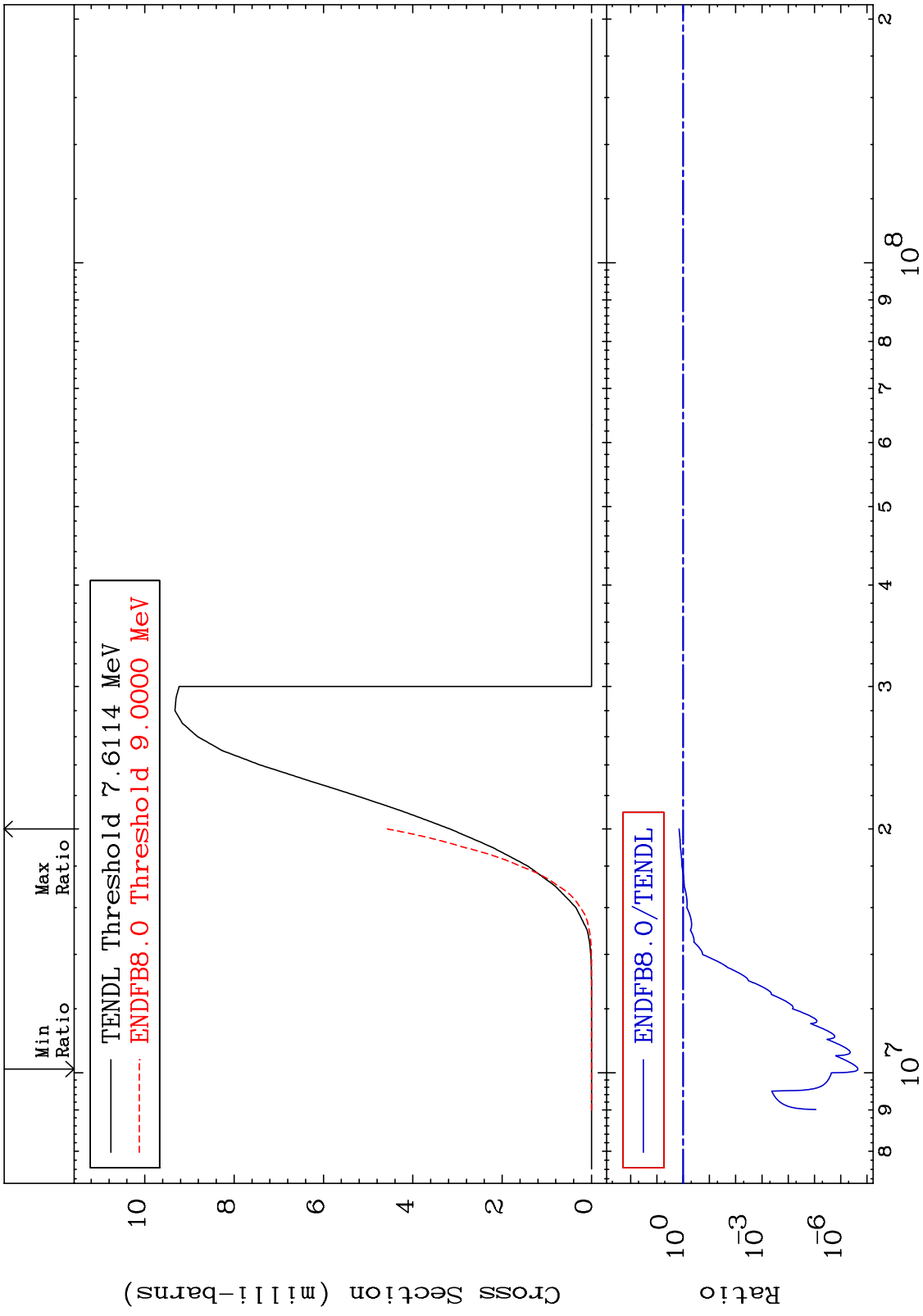
-100.0 To 5.451 %



MAT 5034 (n,d) 50-Sn-115
 Cross Section -100.0 To 94.92 %



MAT 5034 (n,t) Cross Section 50-Sn-115 -100.0 To 44.15 %



29 Incident Energy (eV) 50-Sn-115

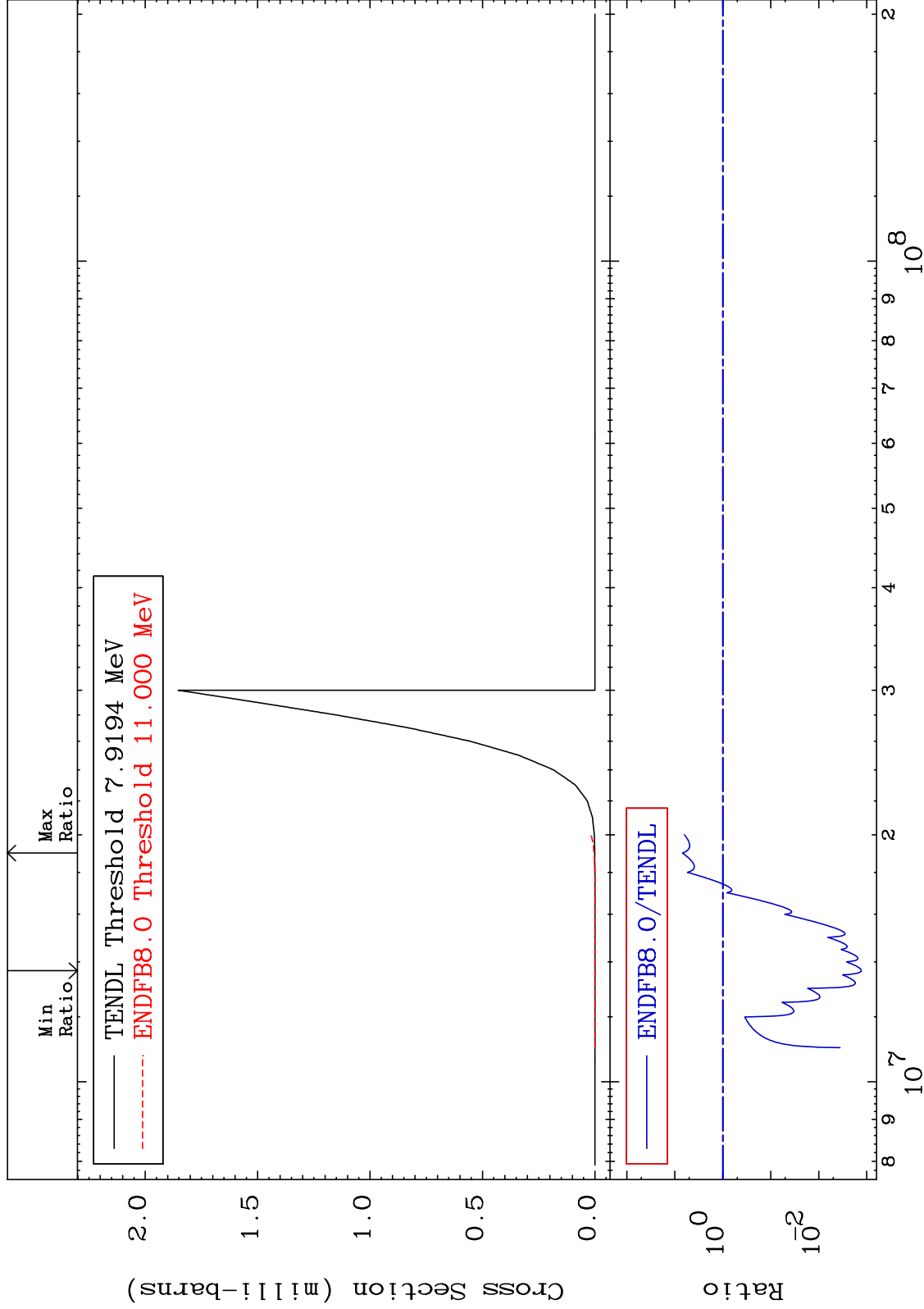
MAT 5034

(n, He-3)

50-Sn-115

Cross Section

-99.87 To 593.1 %



30

Incident Energy (eV)

50-Sn-115

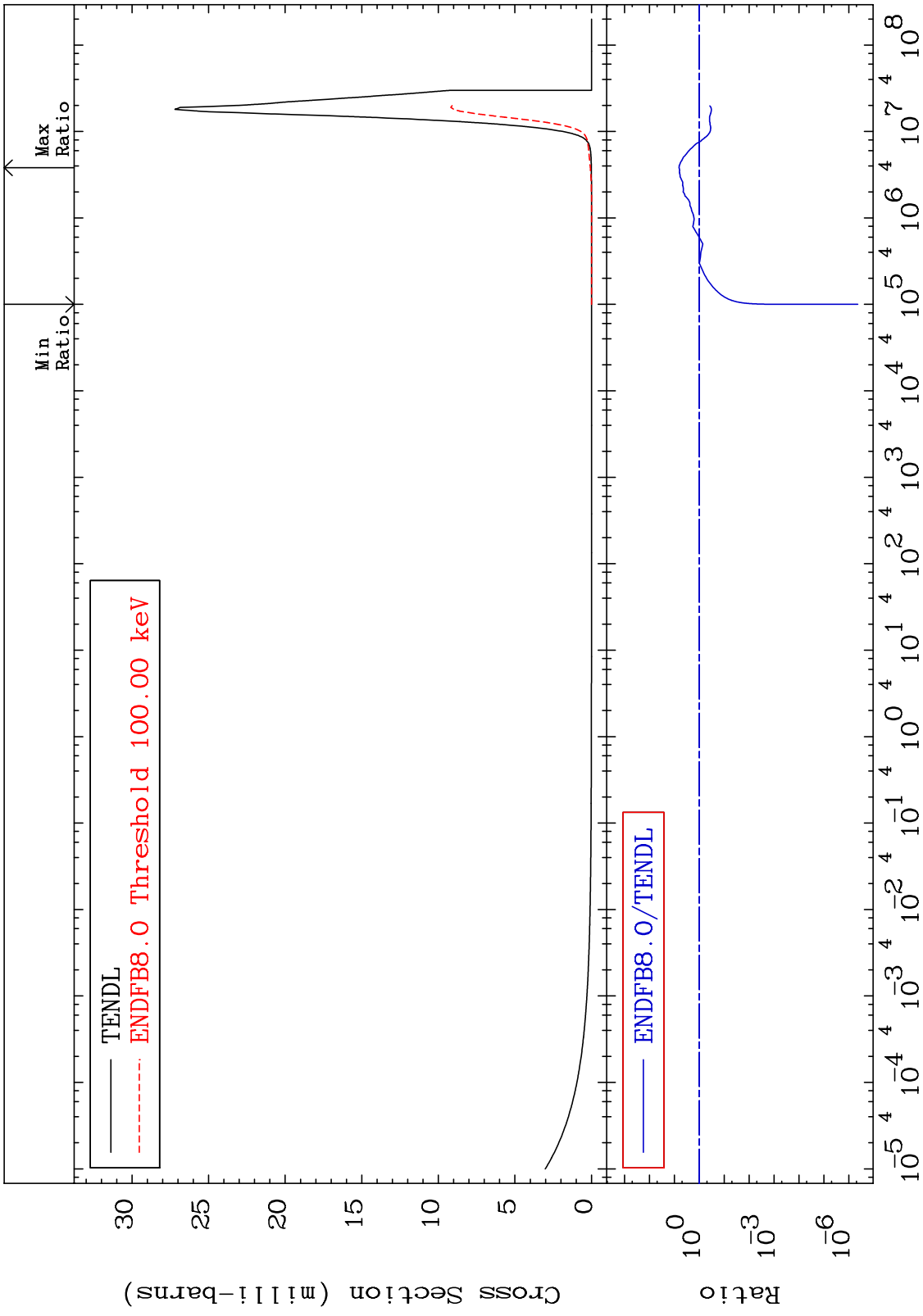
MAT 5034

(n, α)

50-Sn-115

Cross Section

-100.0 To 553.2 %



Incident Energy (eV)

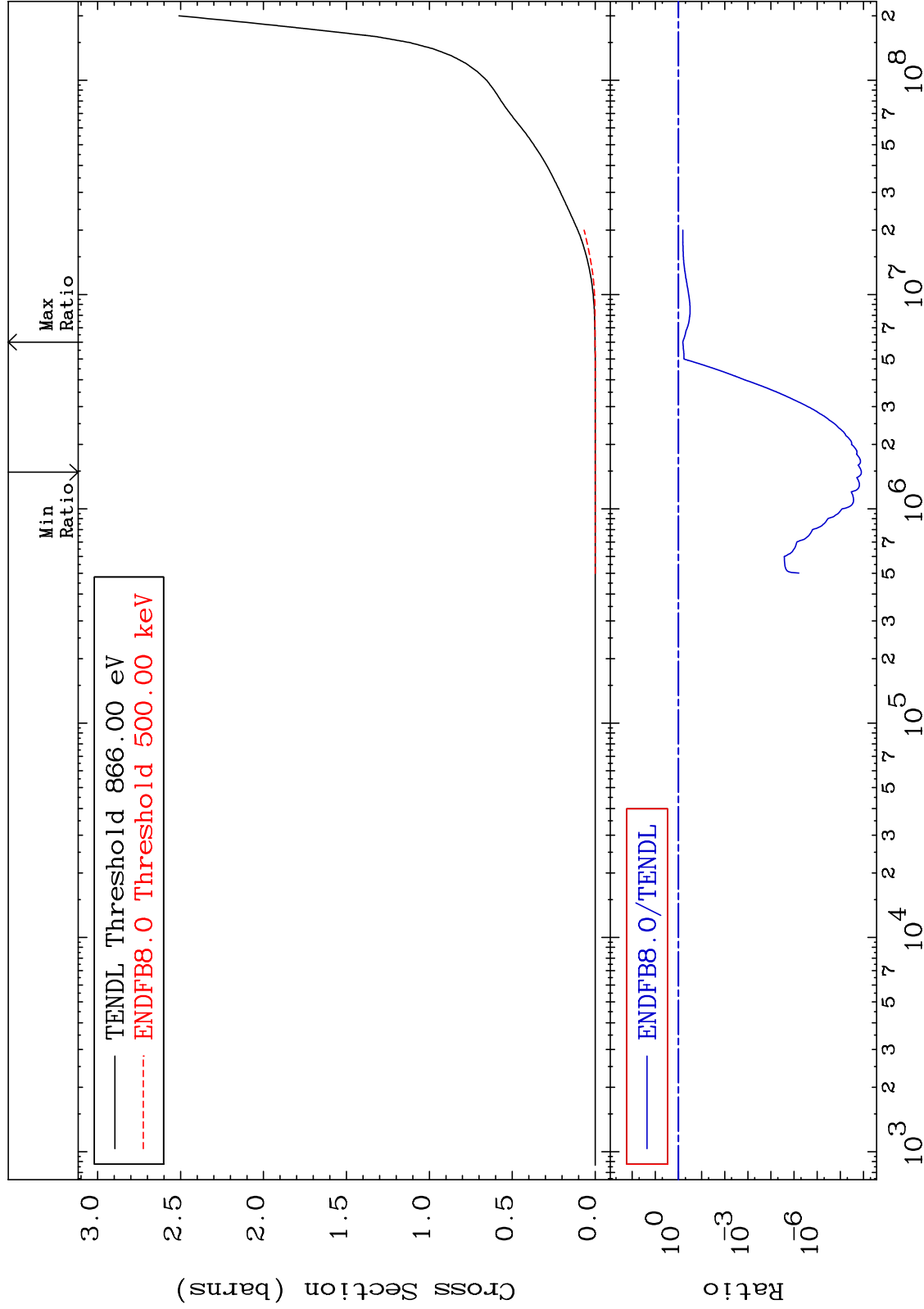
50-Sn-115

31

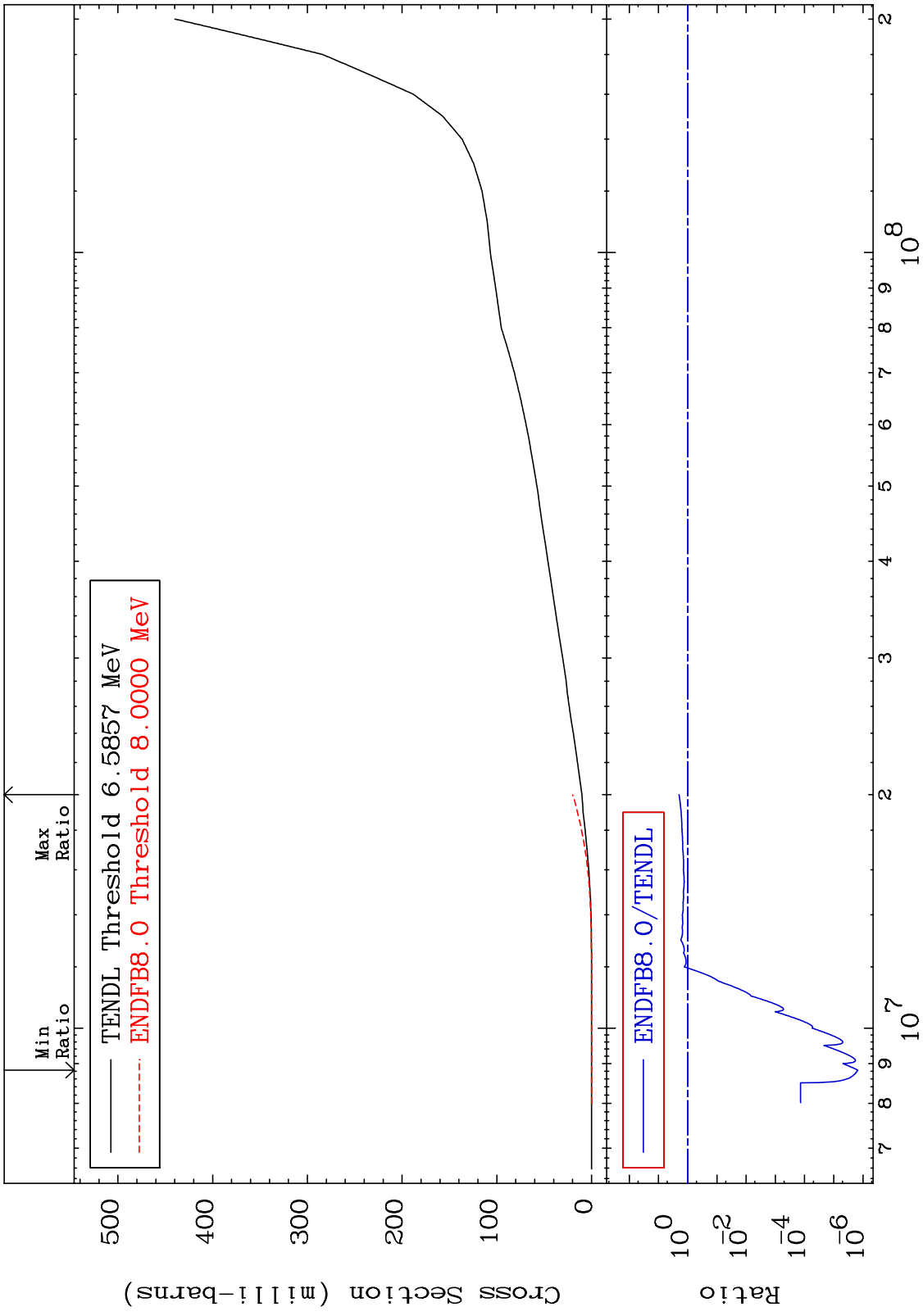
MAT 5034

Hydrogen Production
Cross Section

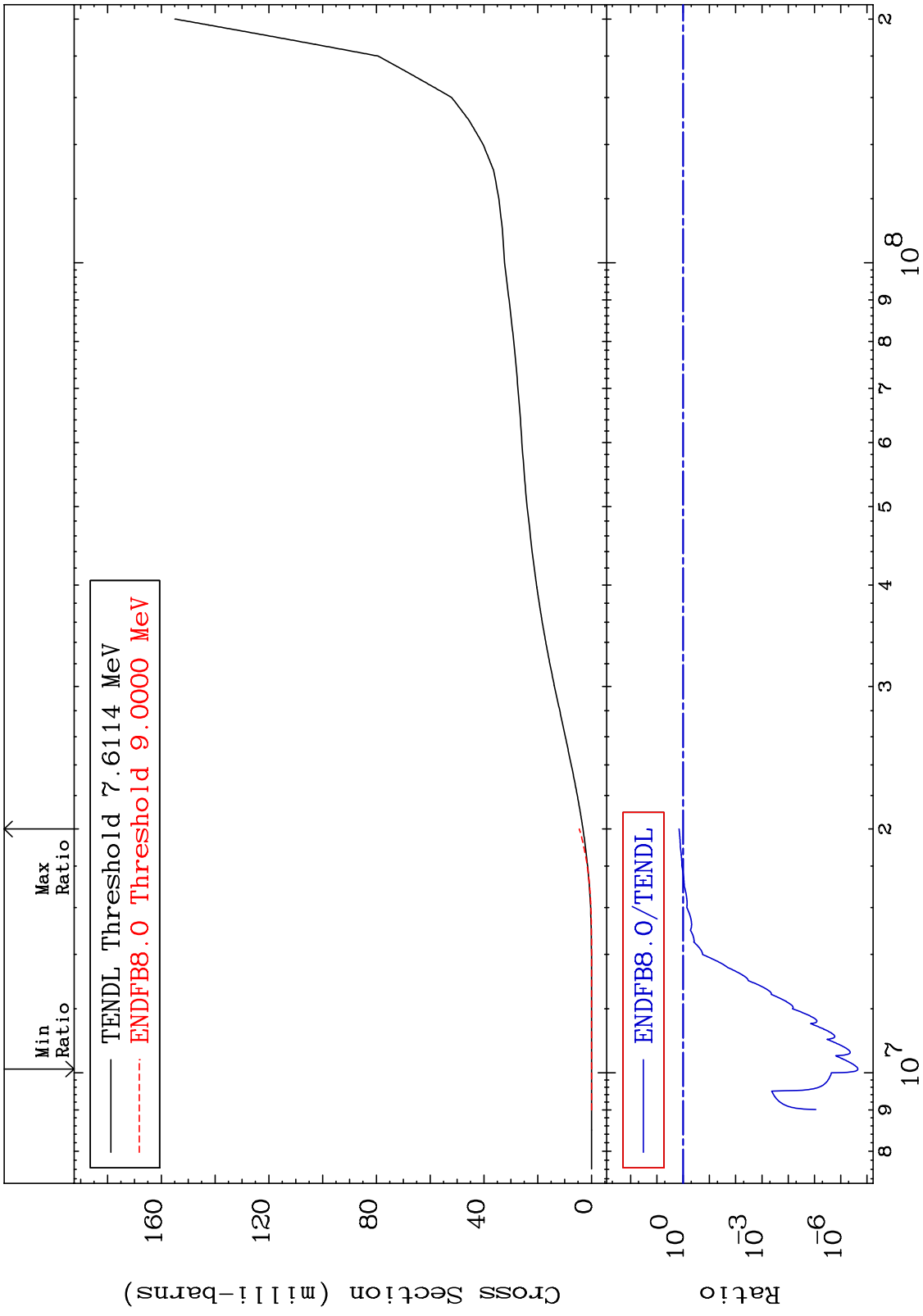
50-Sn-115
-100.0 To -34.74%



MAT 5034 Deuterium Production Cross Section 50-Sn-115 -100.0 To 97.75 %



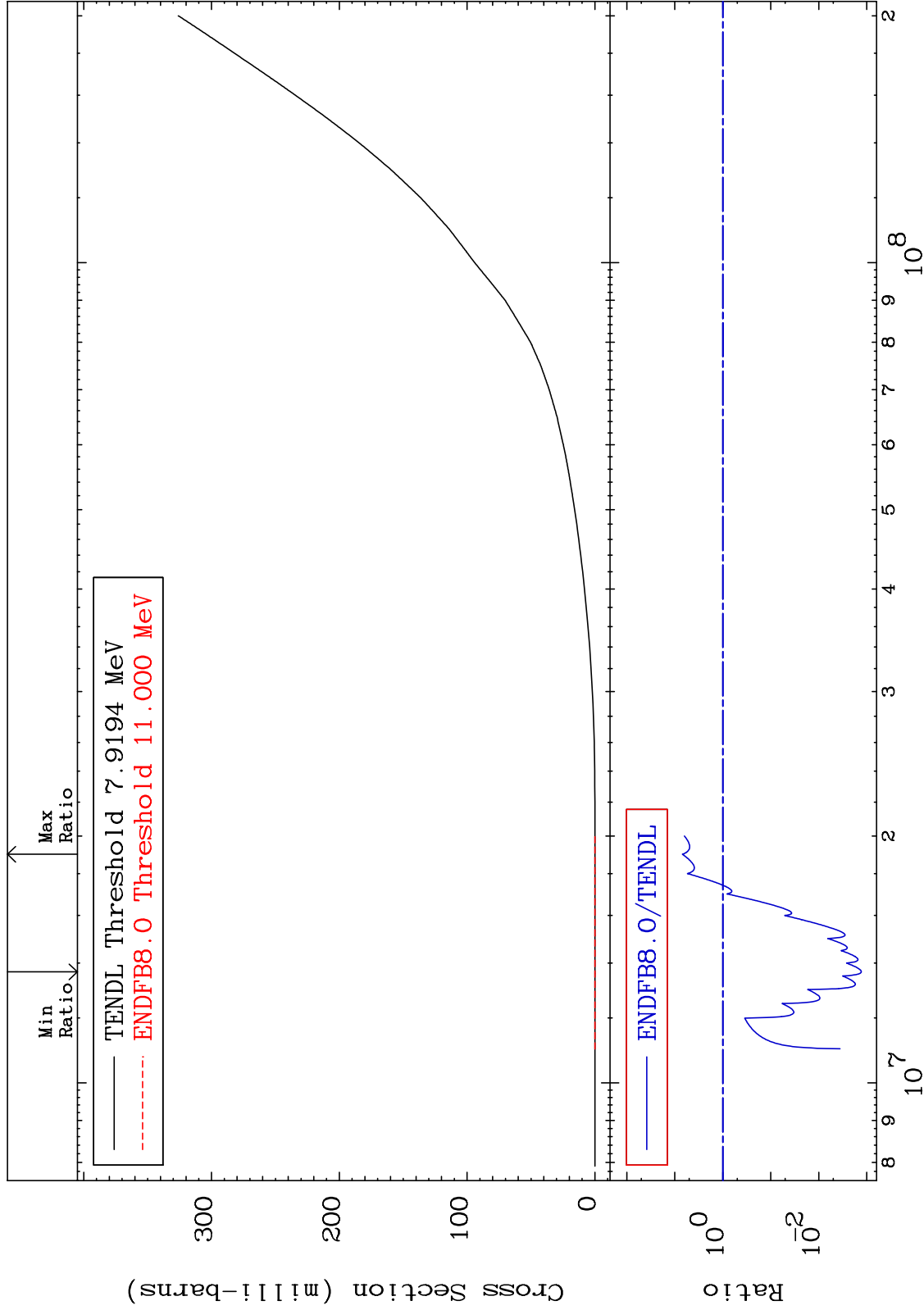
MAT 5034 Tritium Production Cross Section 50-Sn-115 -100.0 To 44.15 %



MAT 5034

He-3 Production
Cross Section

50-Sn-115
-99.87 To 593.1 %



35

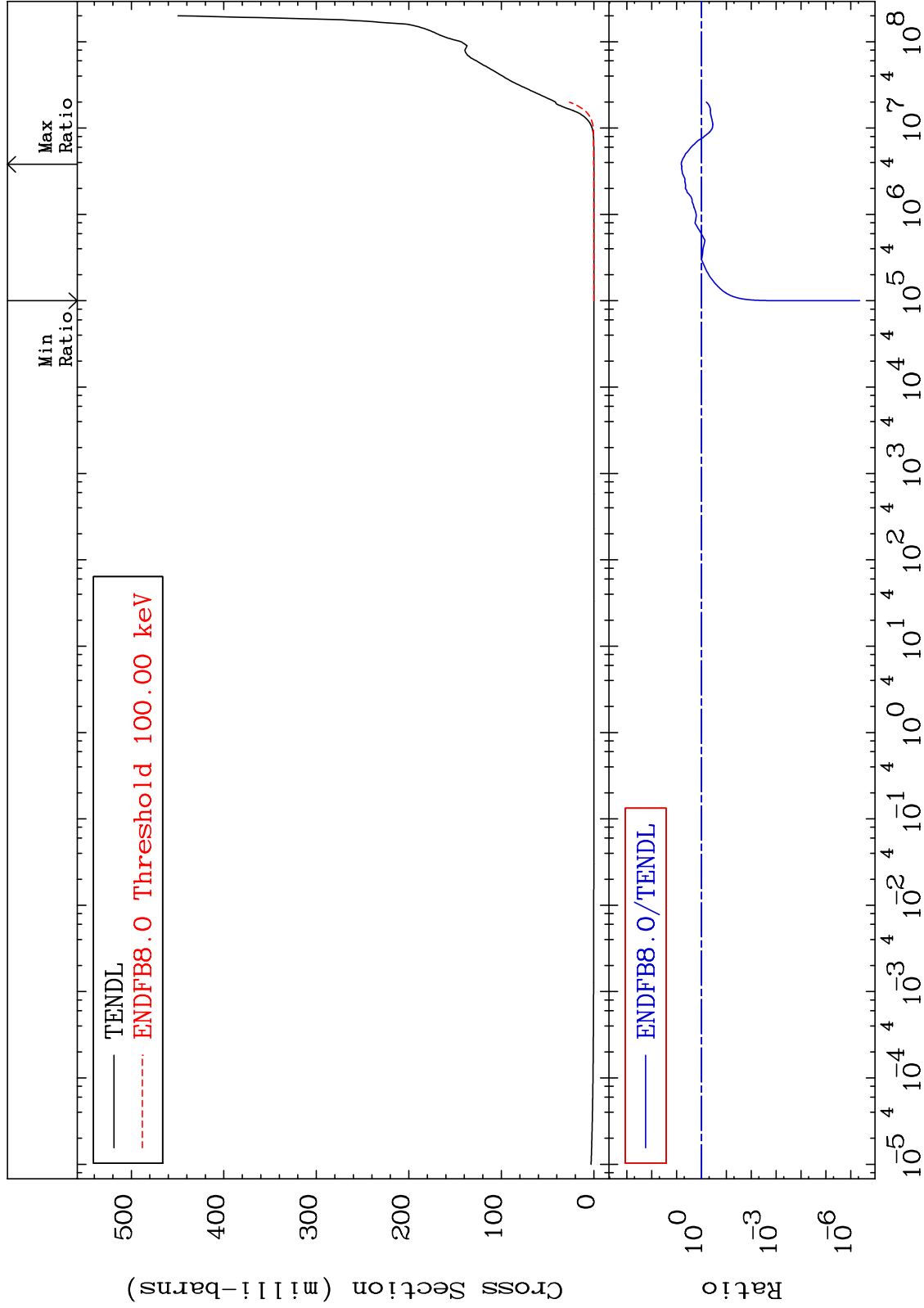
Incident Energy (eV)

50-Sn-115

MAT 5034

He-4 Production
Cross Section

50-Sn-115
-100.0 To 553.2 %

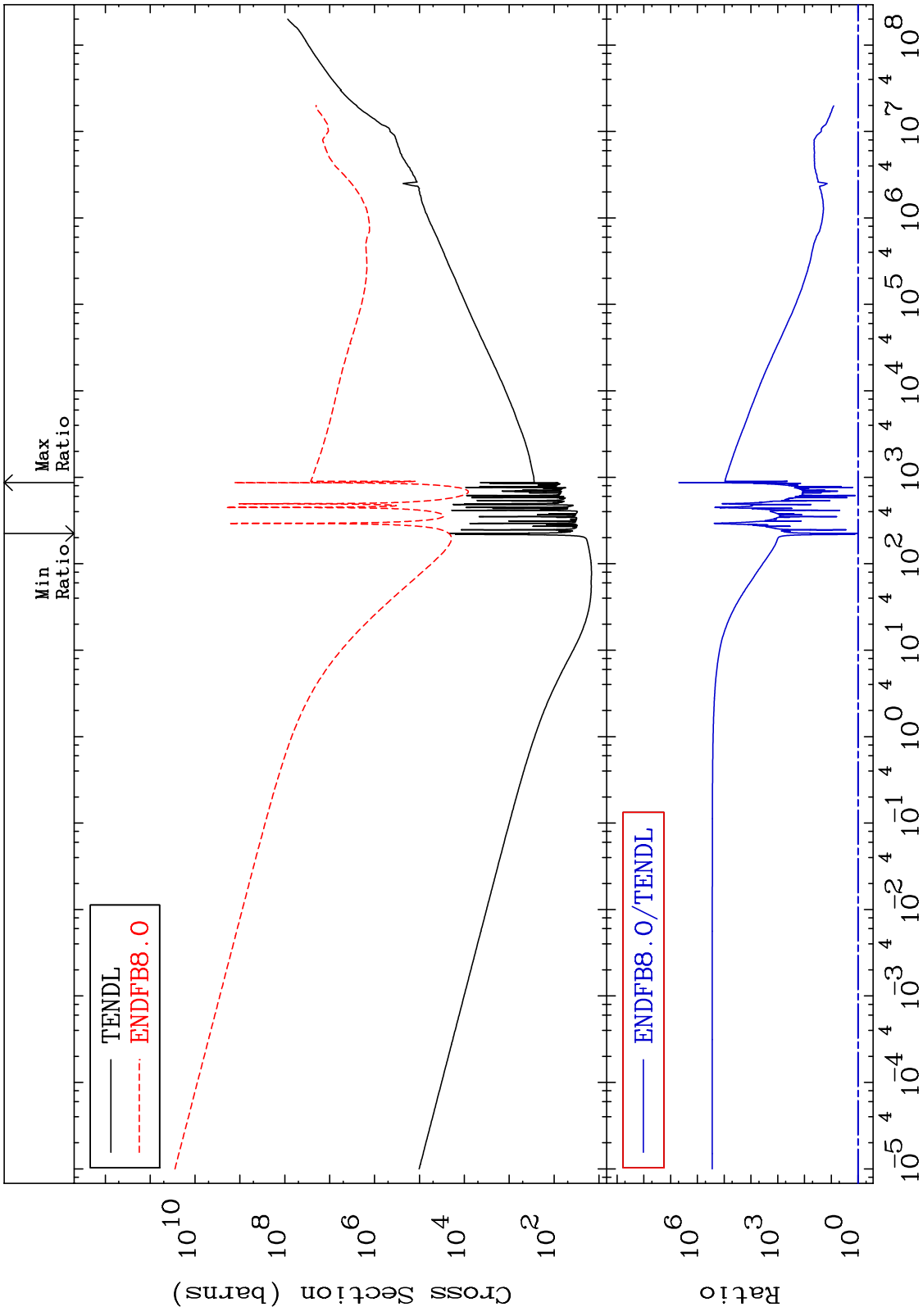


36

Incident Energy (eV)

50-Sn-115

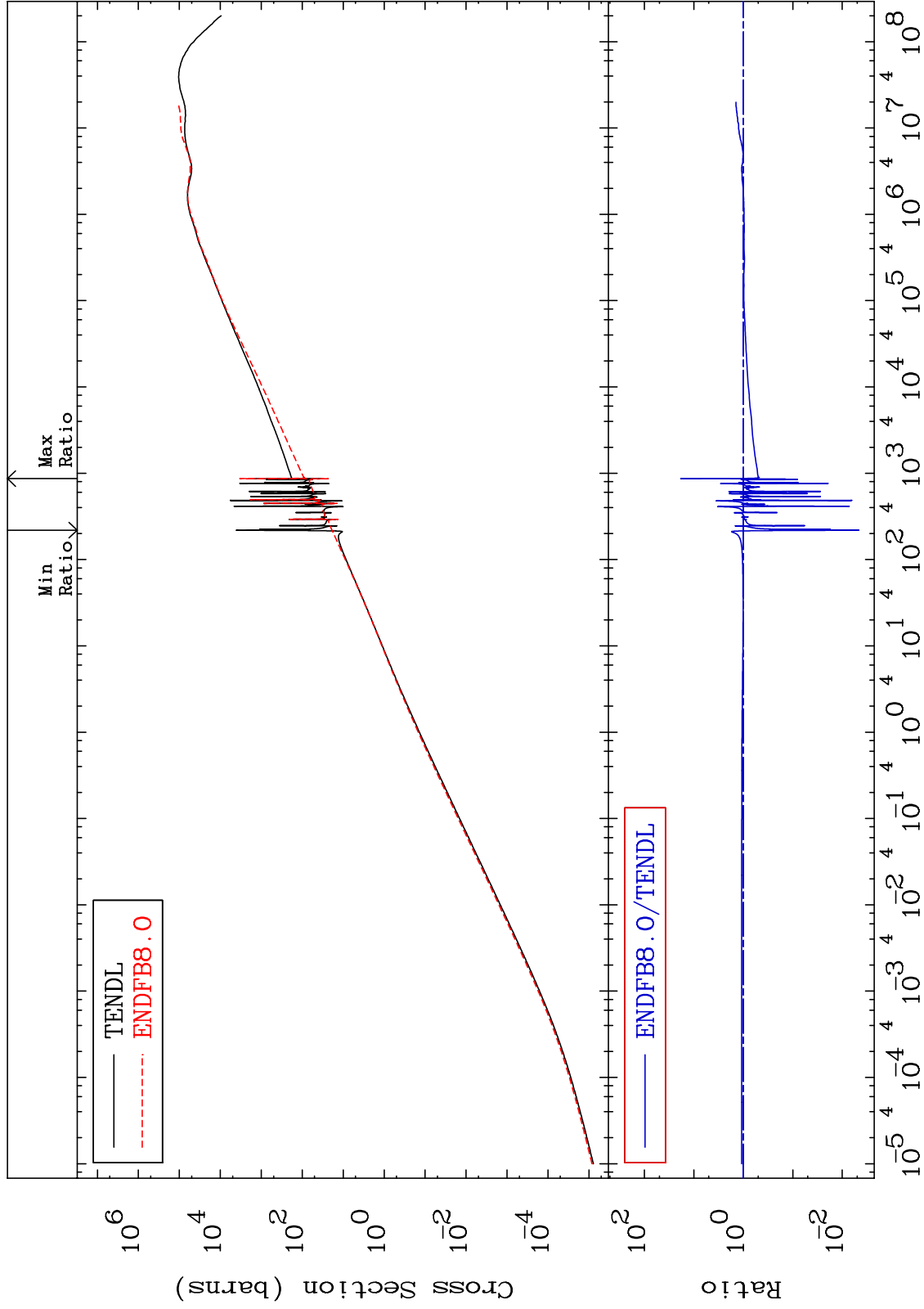
MAT 5034 Kerma total (eV-barns) 50-Sn-115
 Cross Section 1.676 To 9999. %



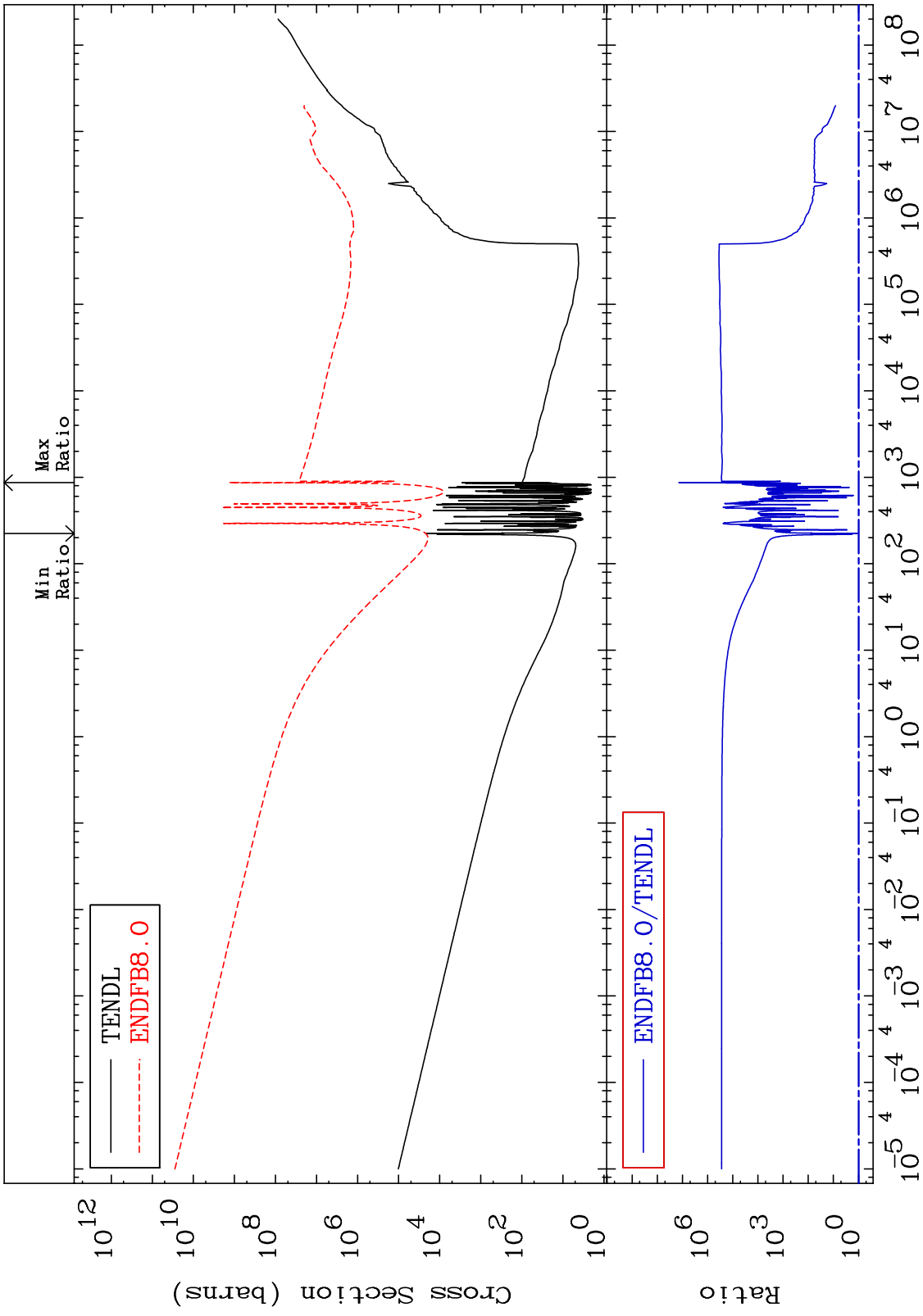
MAT 5034

Kerma elastic
Cross Section

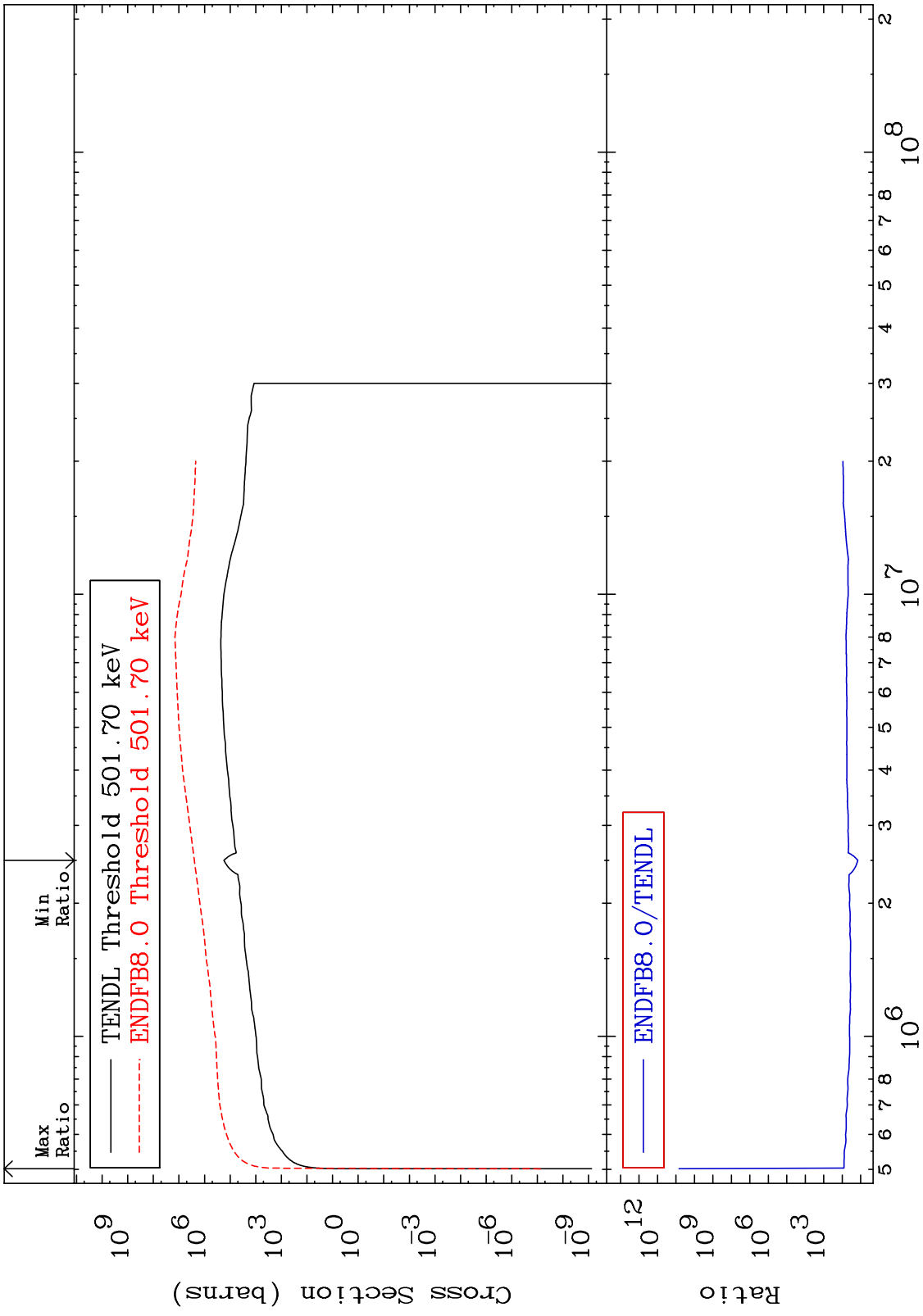
50-Sn-115
-99.54 To 1754. %



MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115
 Cross Section 6.967 To 9999. %



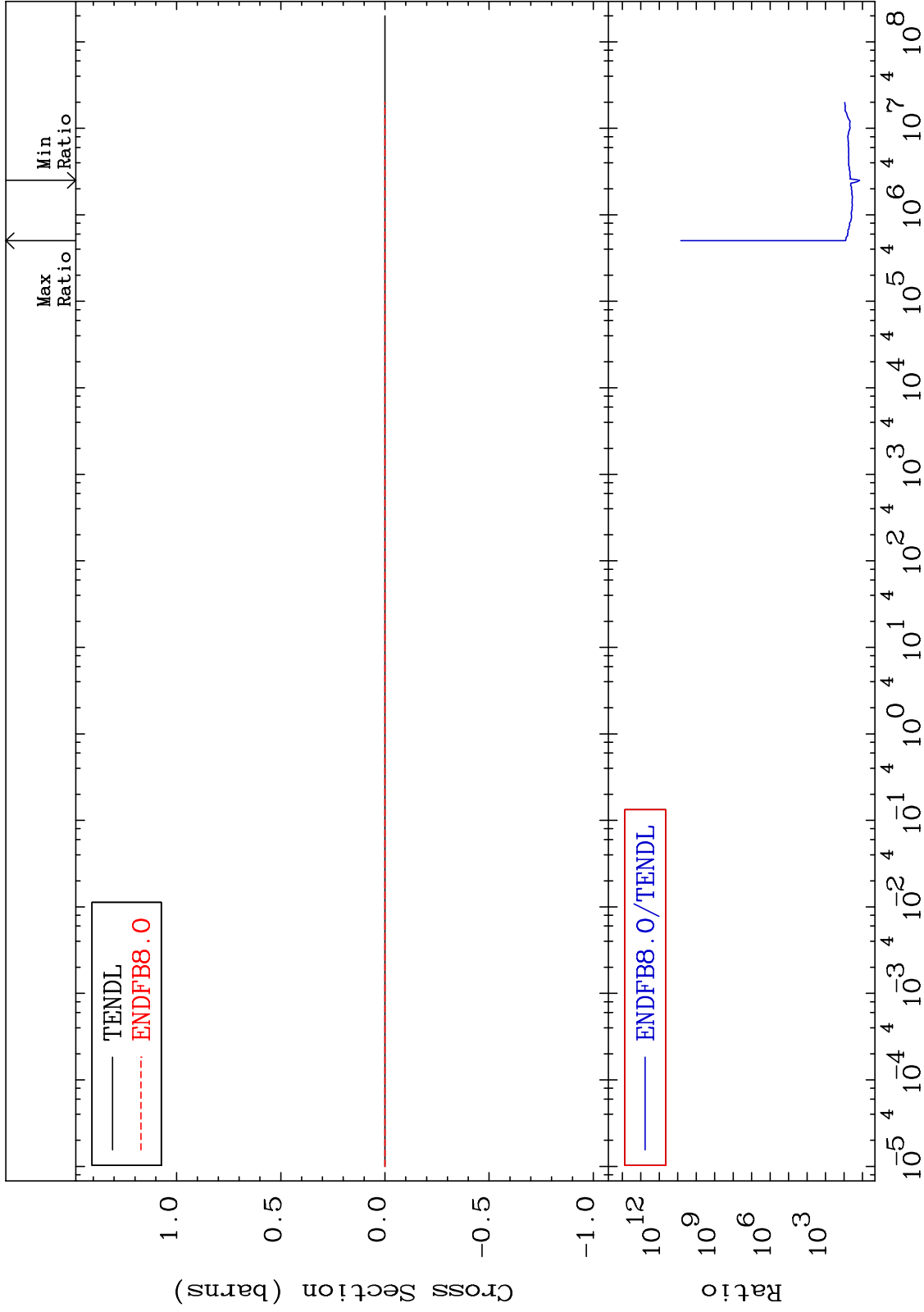
MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115
 Cross Section 1325. To 9999. %



MAT 5034

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

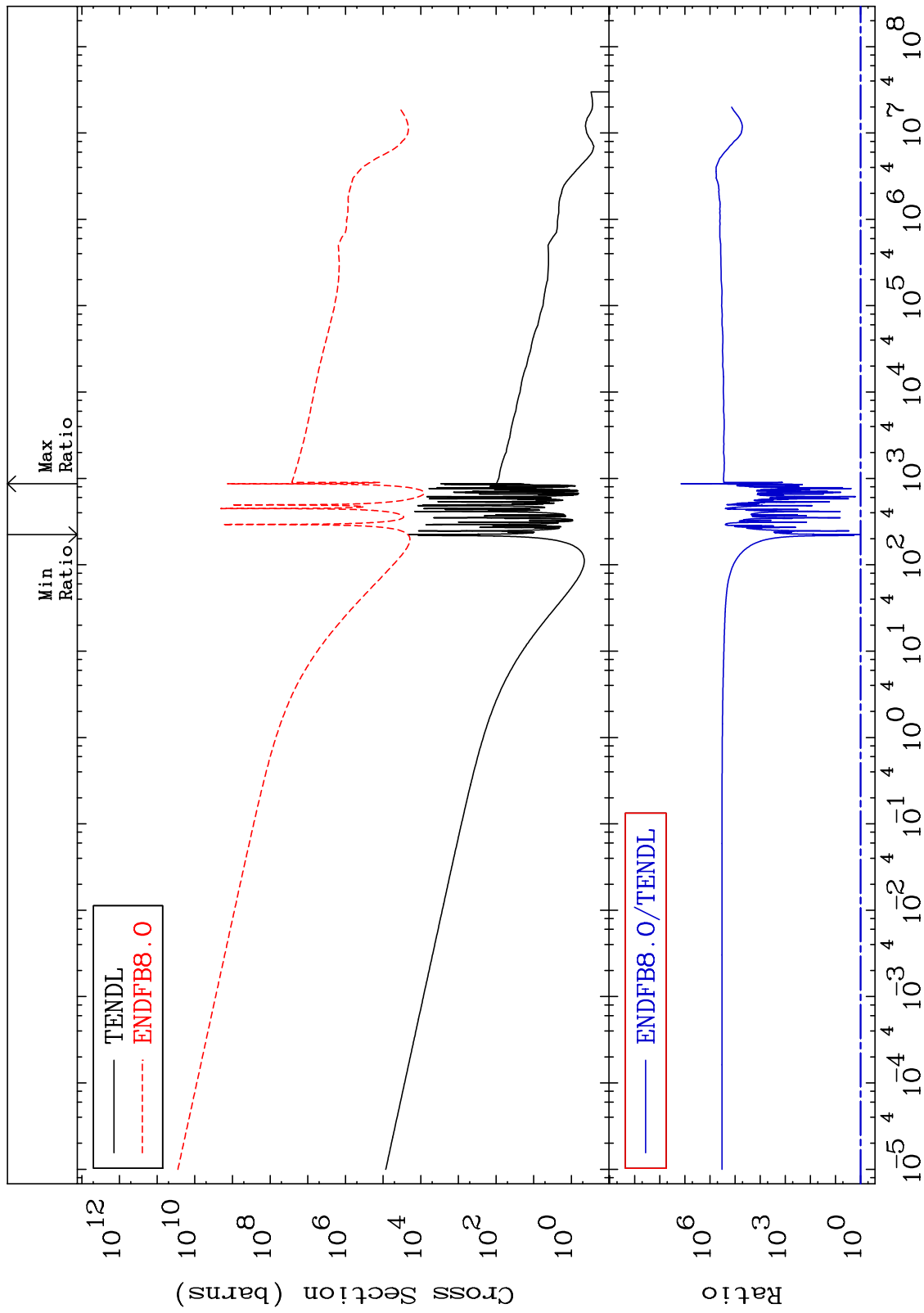
50-Sn-115
1325. To 9999. %



MAT 5034

Kerma capture (mt102)
Cross Section

50-Sn-115
To 9999. %
6.983



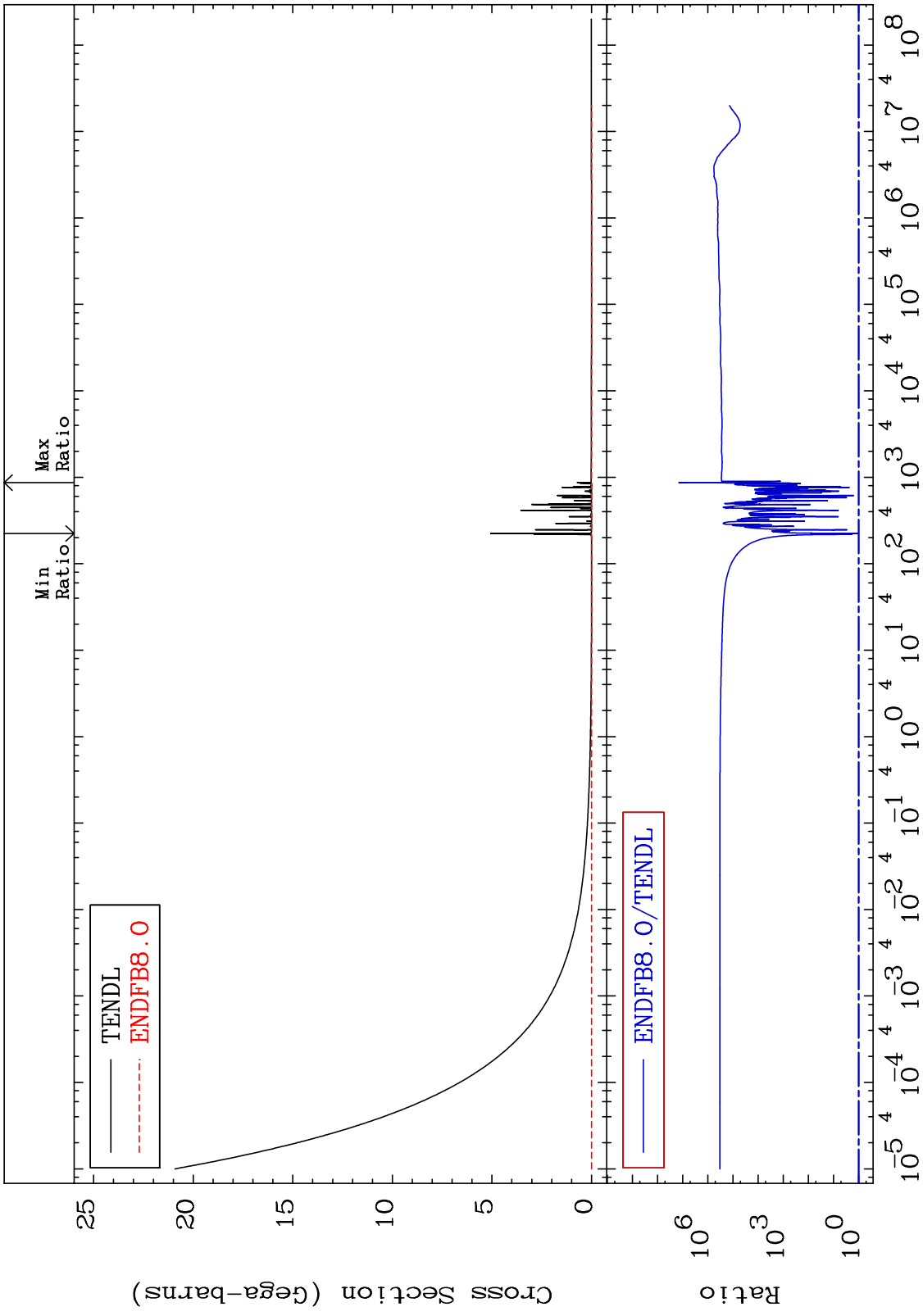
42

Incident Energy (eV)

50-Sn-115

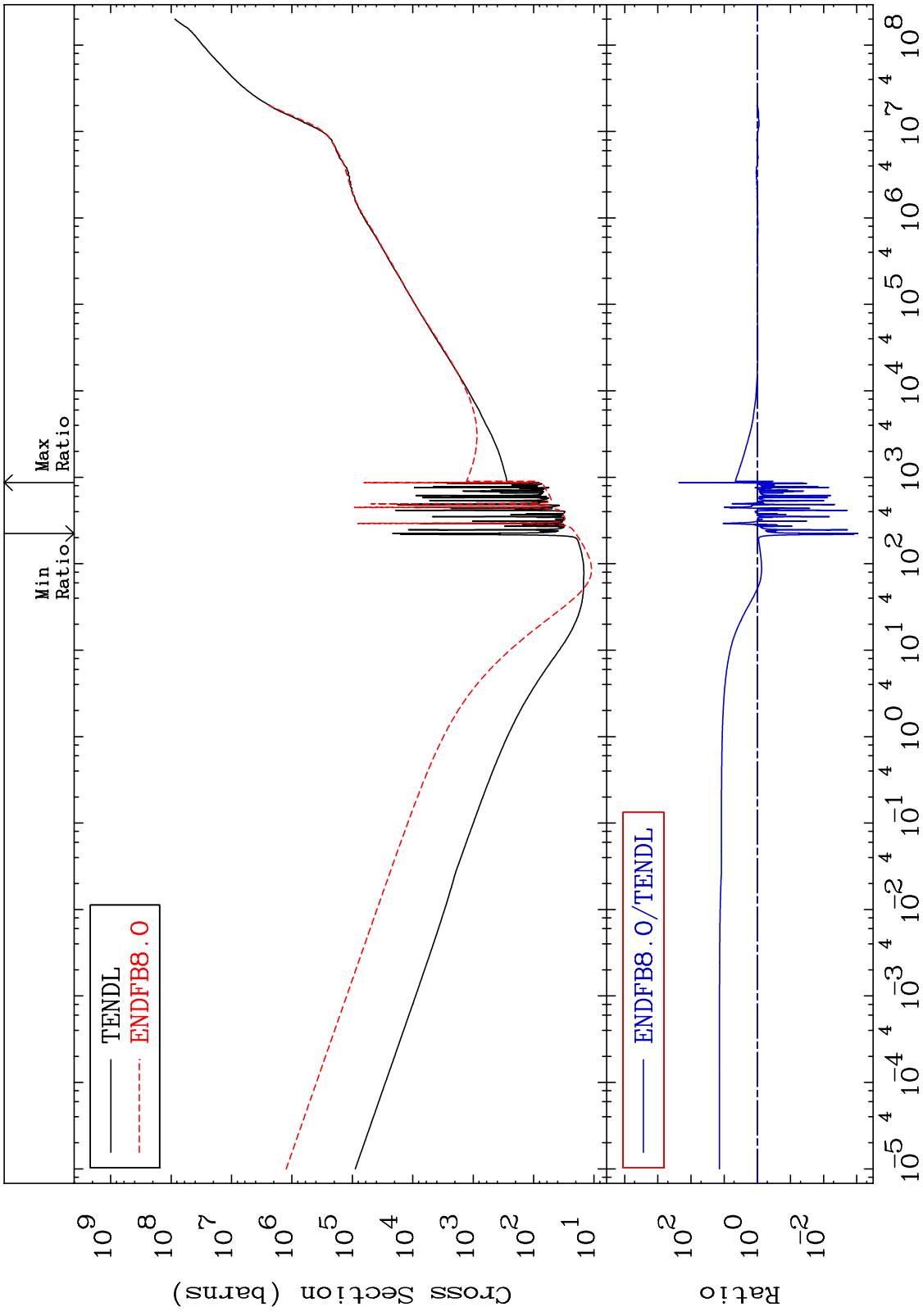
MAT 5034 50-Sn-115 6.983 To 9999. %

Total photon (eV-barns)
Cross Section



43 Incident Energy (eV) 50-Sn-115

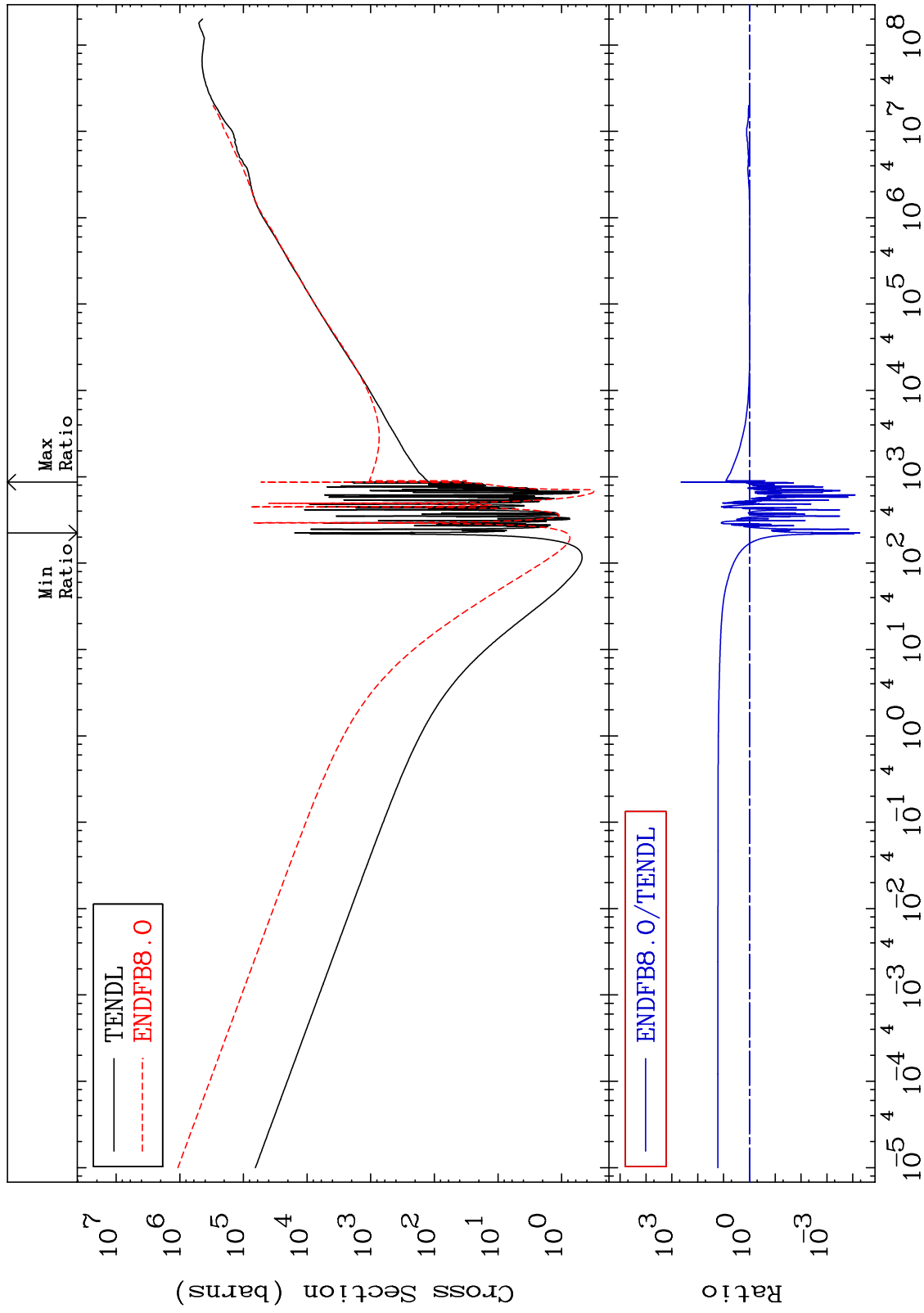
MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
 -99.91 To 9999. %
 Cross Section



MAT 5034

Dpa total (eV-barns)
Cross Section

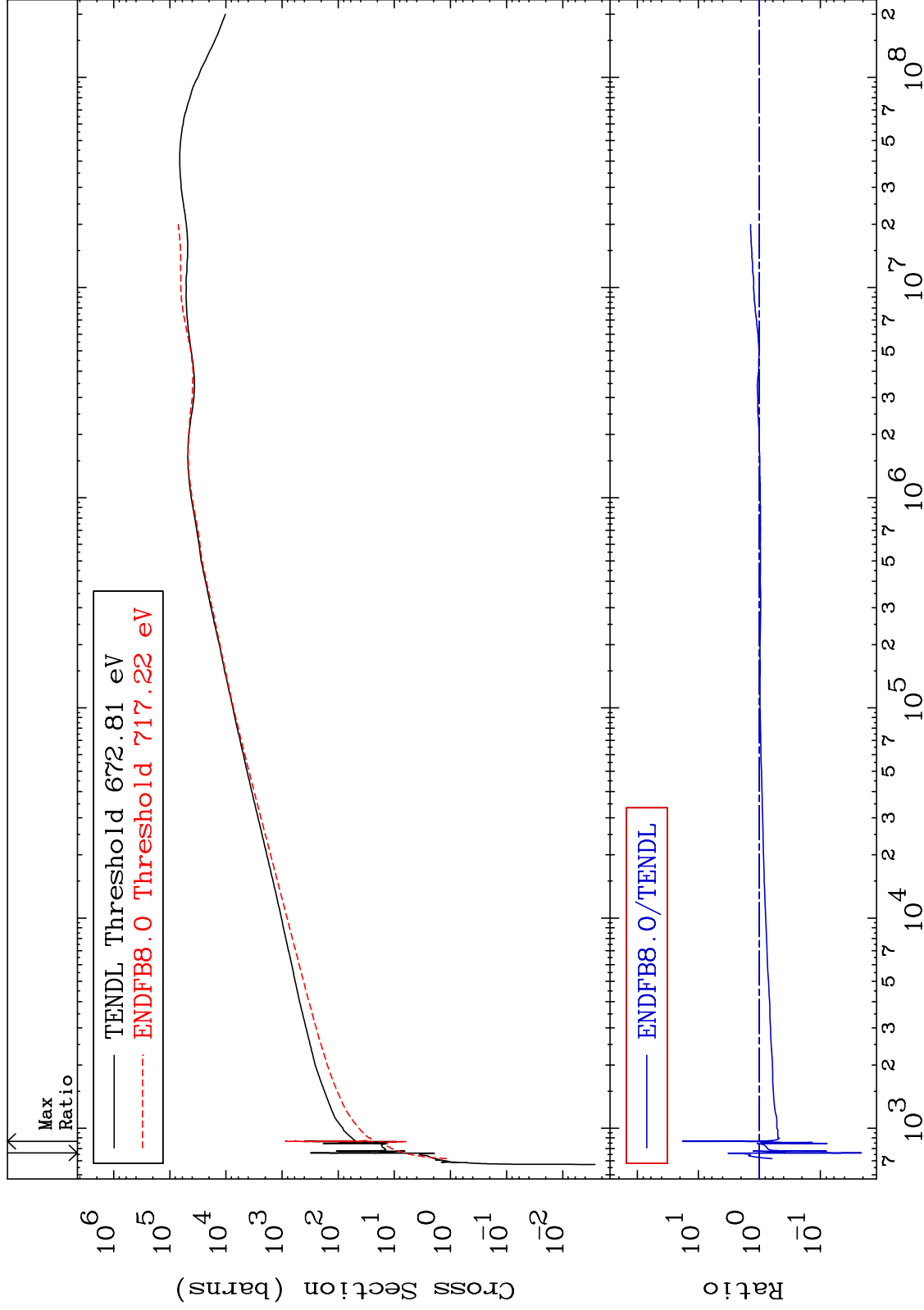
50-Sn-115
-99.99 To 9999. %



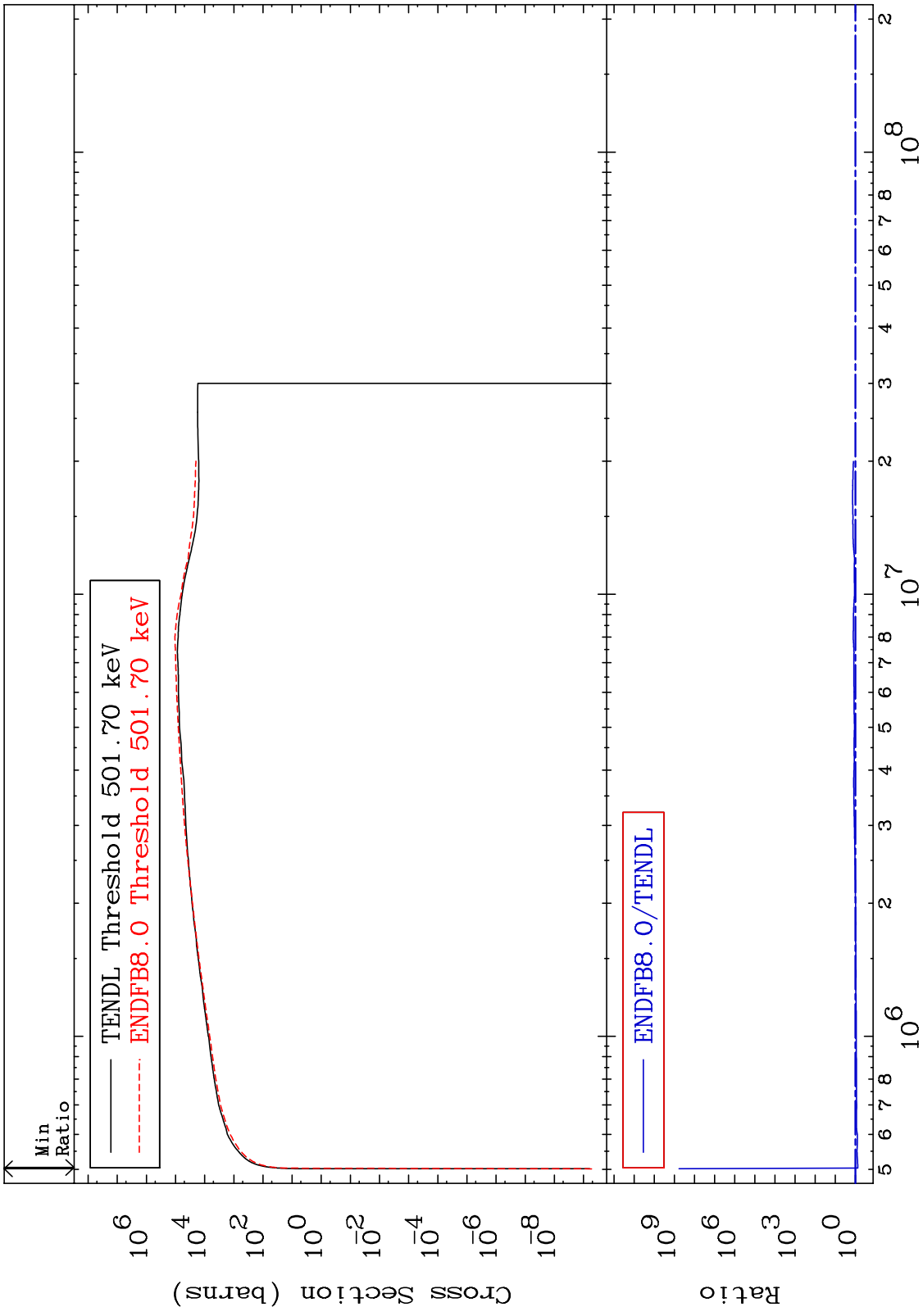
MAT 5034

Dpa elastic (mt2)
Cross Section

50-Sn-115
-97.86 To 1725. %



MAT 5034 Dpa inelastic (mt51-91) 50-Sn-115
 Cross Section -25.09 To 9999. %



MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
 -99.99 To 9999. %

