

Program Complot
(Version 2018-1)

by

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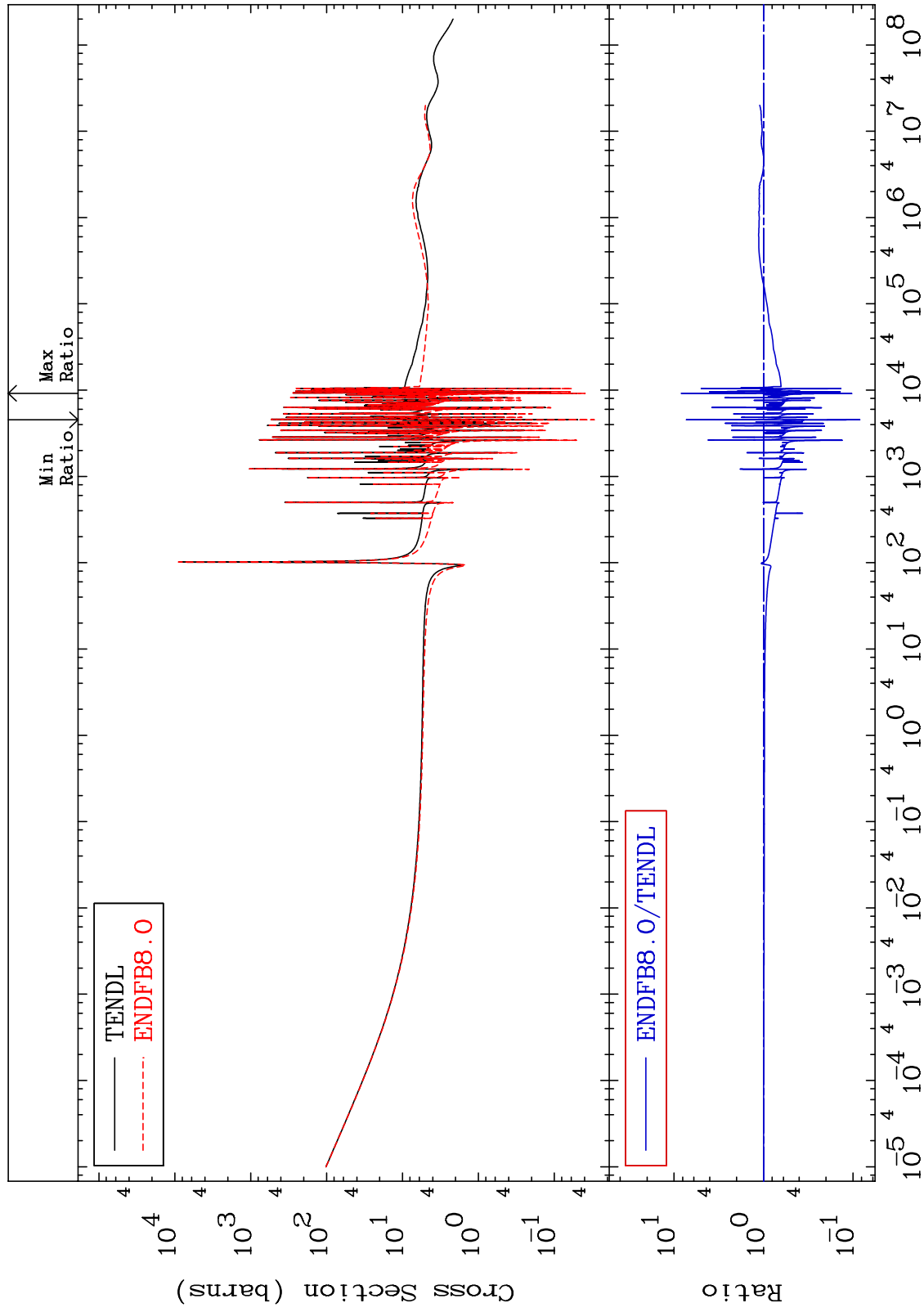
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5637

Total
Cross Section

56-Ba-134
-91.62 To 726.6 %



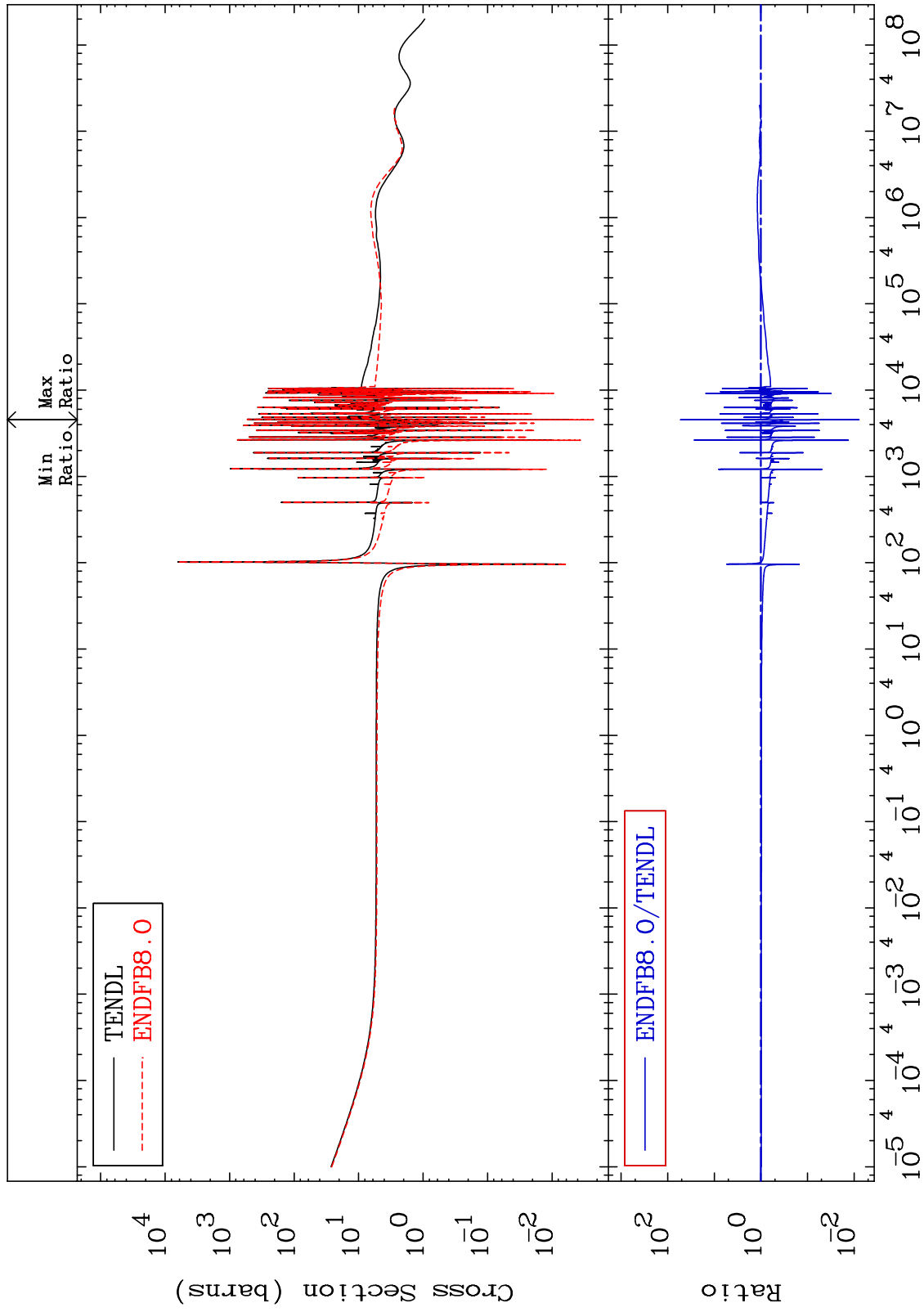
Incident Energy (eV)

56-Ba-134

MAT 5637

Elastic
Cross Section

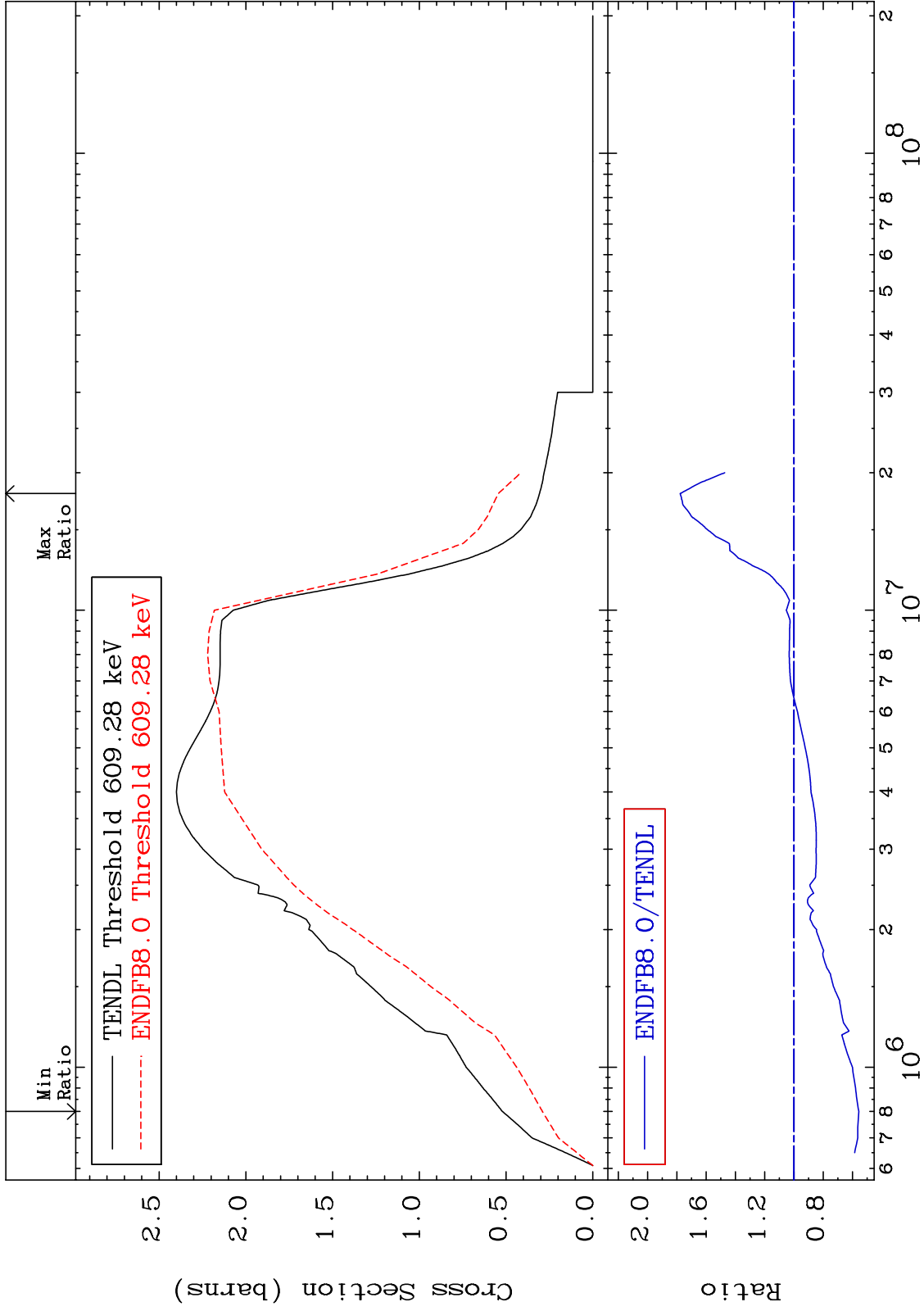
56-Ba-134
-99.22 To 5176. %



MAT 5637

Inelastic
Cross Section

56-Ba-134
-44.29 To 77.76 %

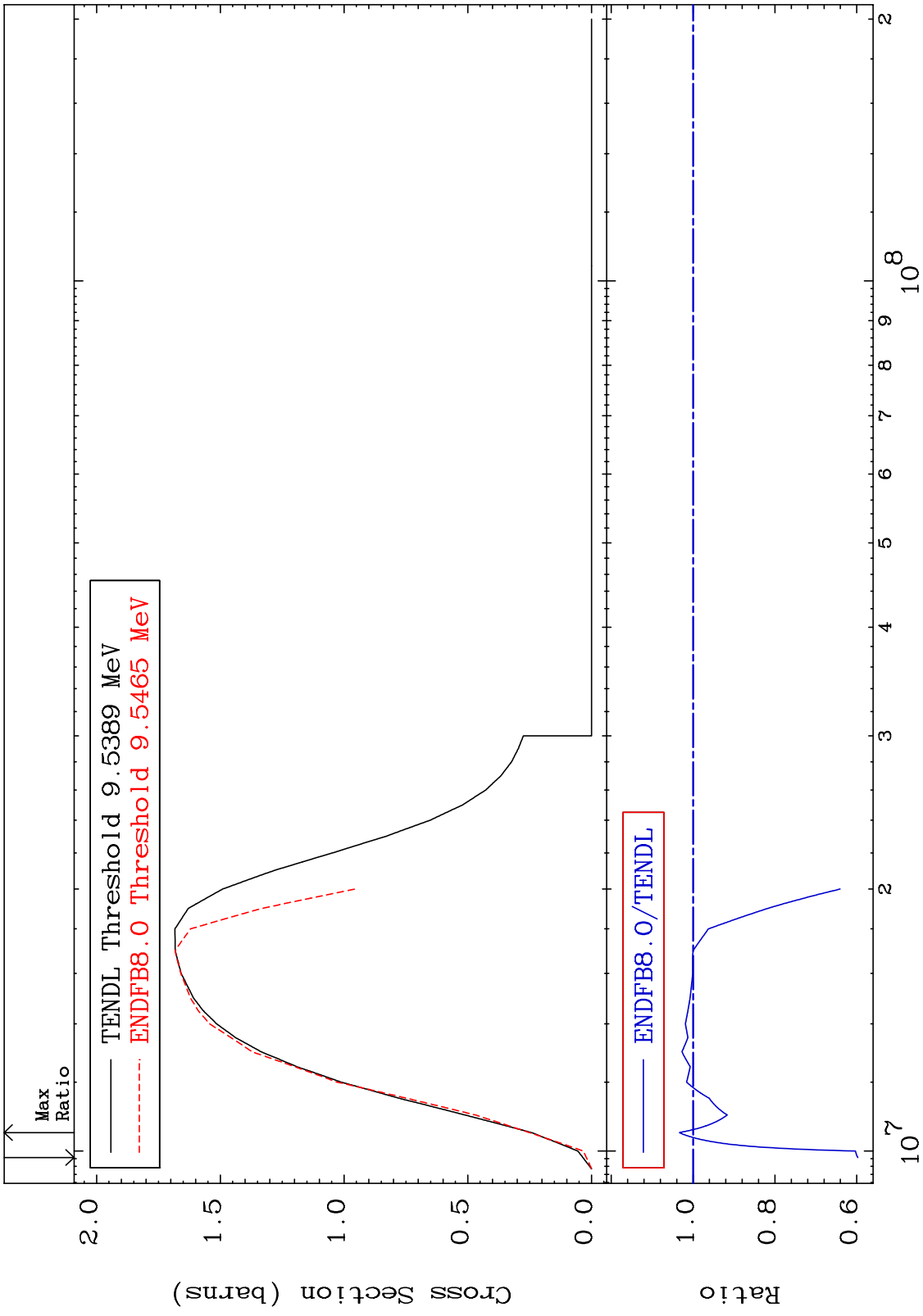


56-Ba-134

Incident Energy (eV)

3

MAT 5637 (n,2n) Cross Section 56-Ba-134 -40.26 To 3.436 %



4 5 6 7 8 9 10⁸ 2 56-Ba-134

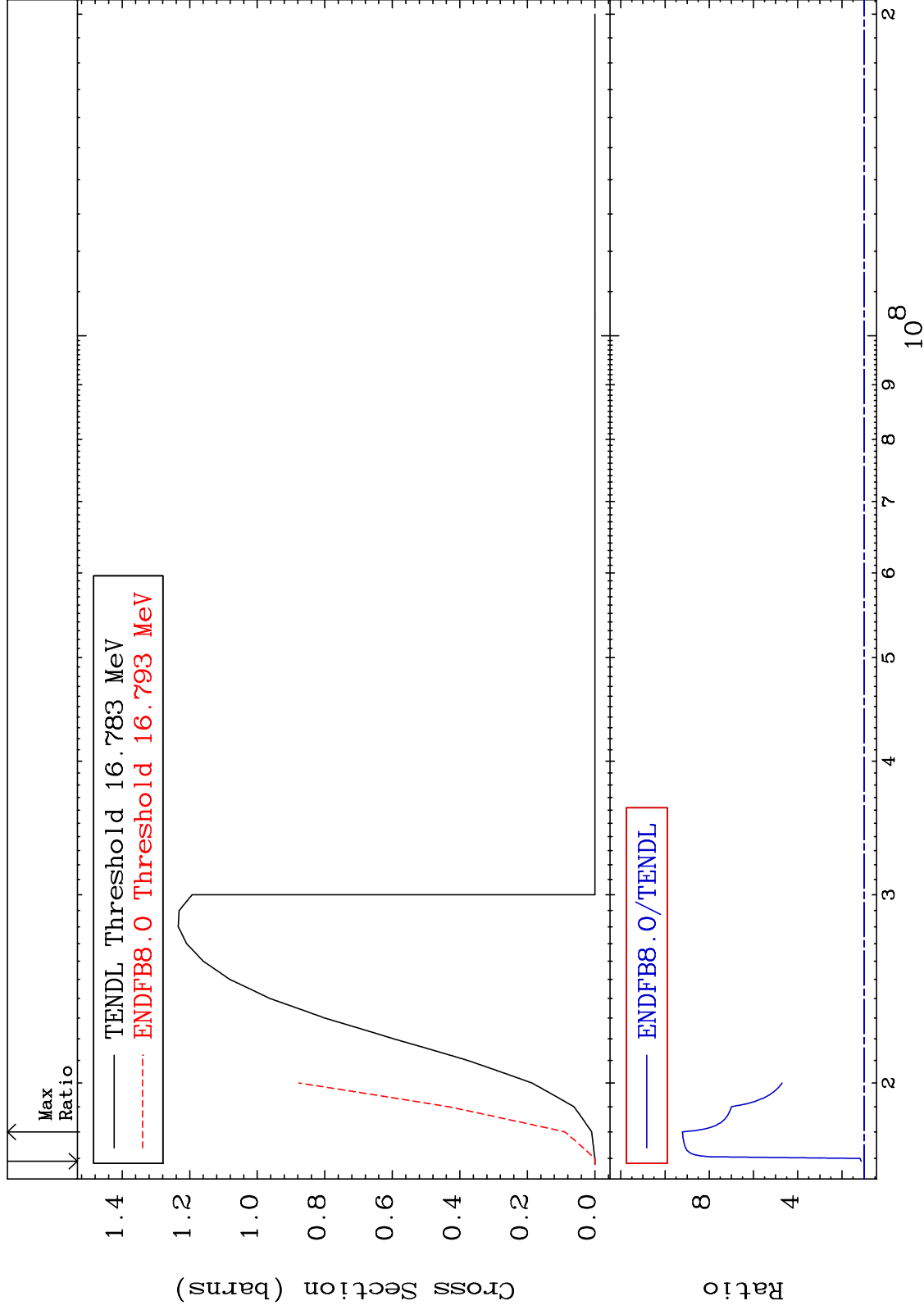
MAT 5637

(n,3n)

56-Ba-134

Cross Section

12.44 To 821.2 %



5

Incident Energy (eV)

56-Ba-134

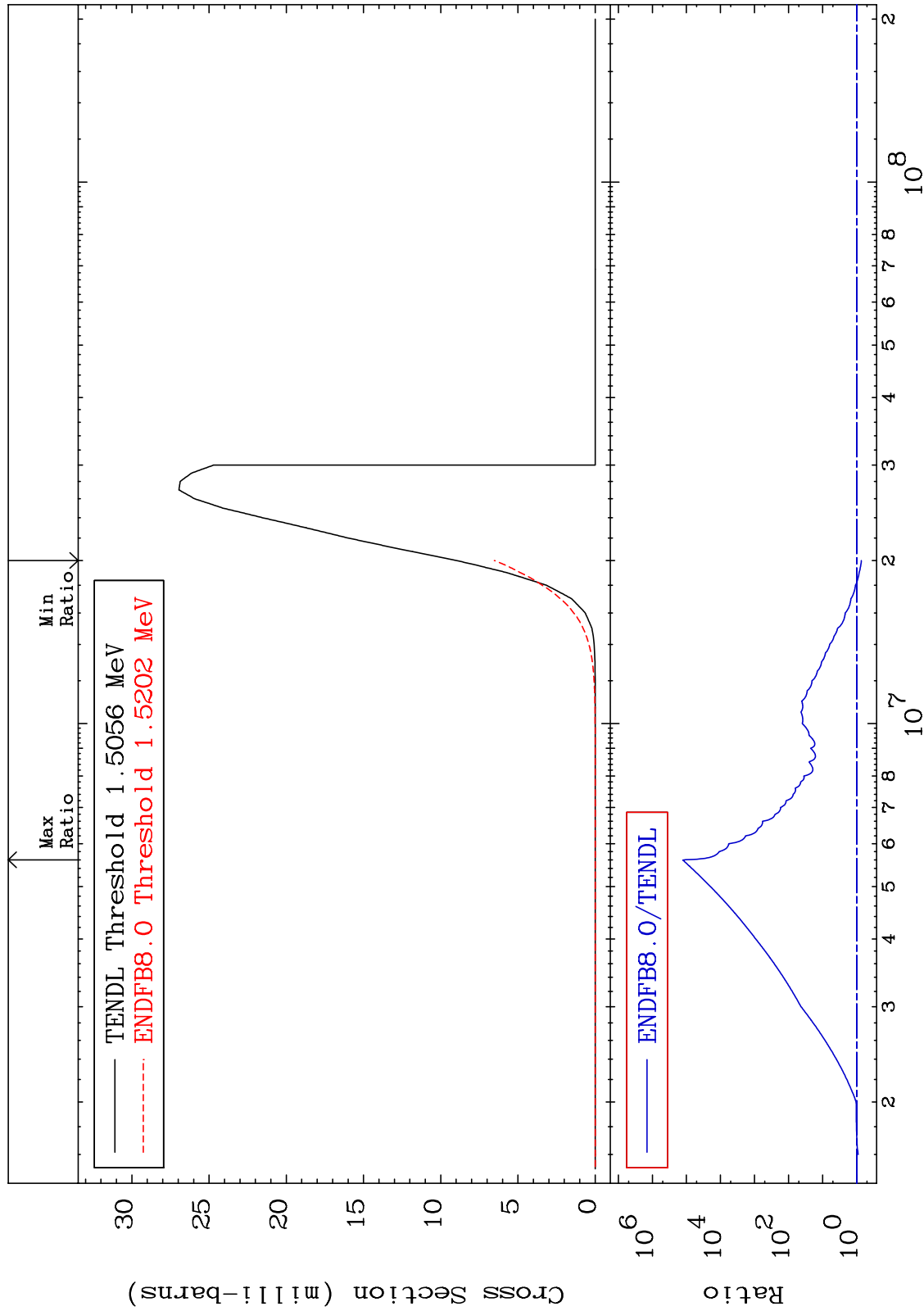
MAT 5637

(n, n') α

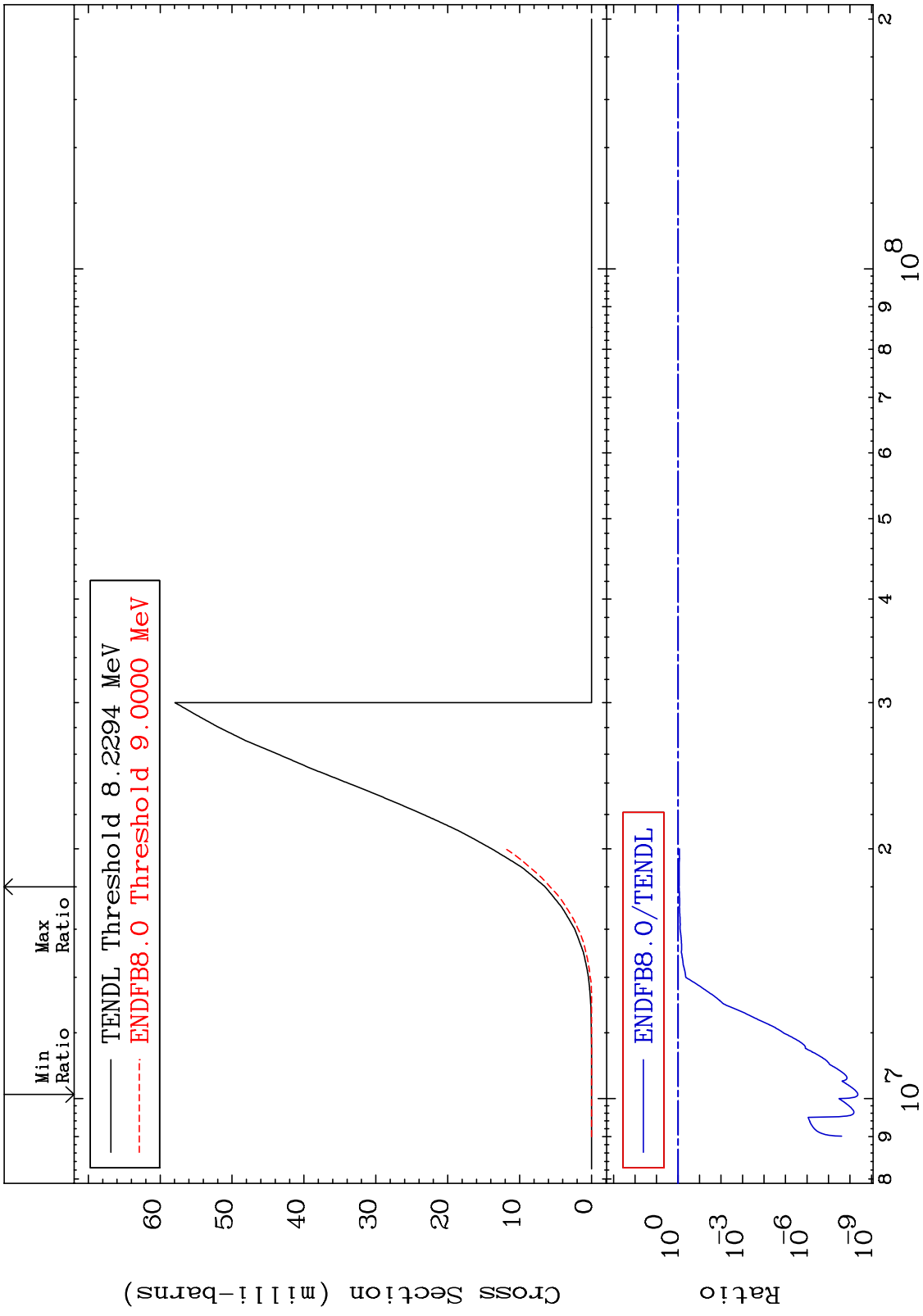
56-Ba-134

-27.26 To 9999. %

Cross Section

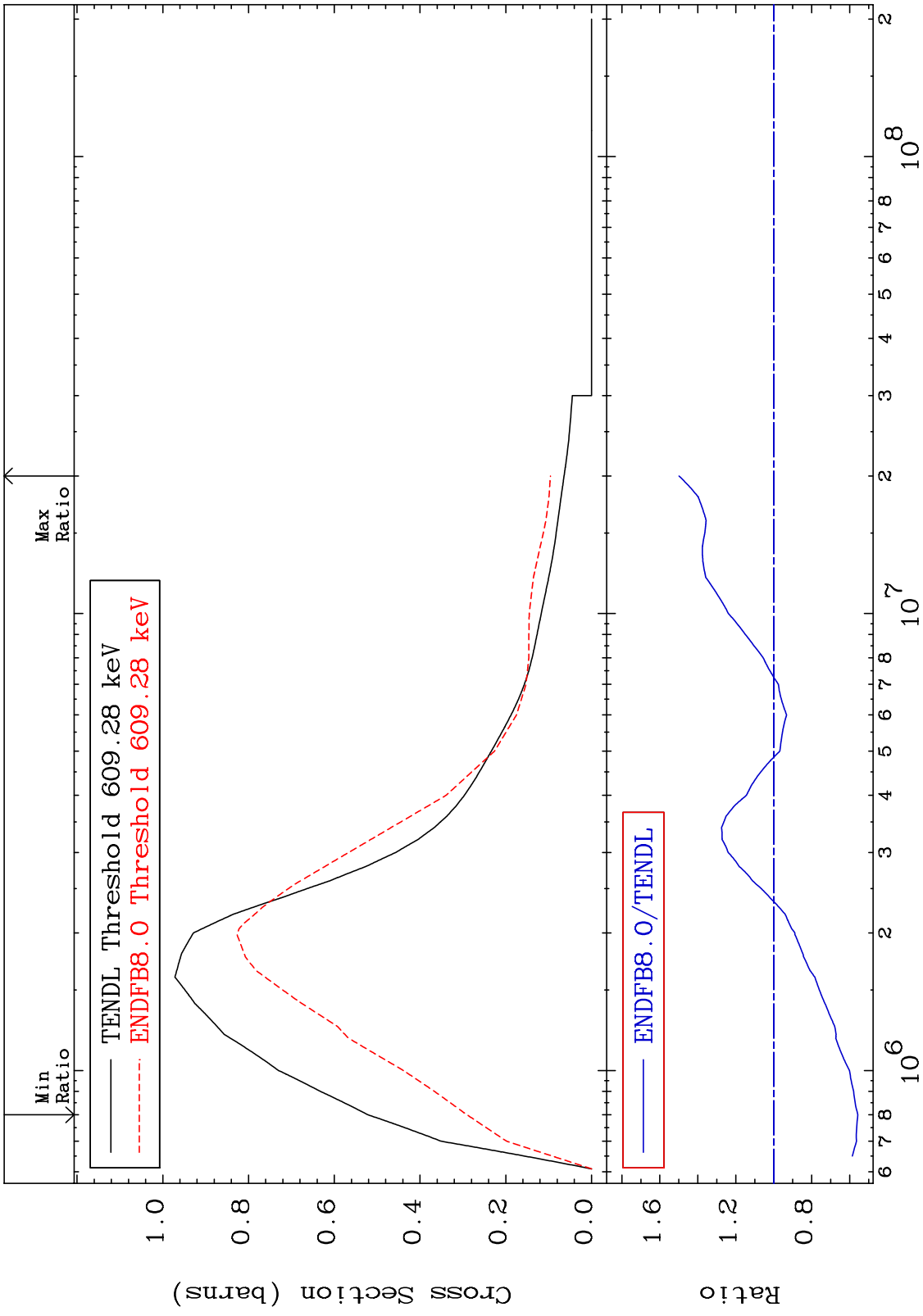


MAT 5637 56-Ba-134
 (n,n') p -100.0 To -10.52%
 Cross Section



Incident Energy (eV) 56-Ba-134

MAT 5637 MT= 51 (n,n') Level Cross Section 56-Ba-134 -44.29 To 49.89 %

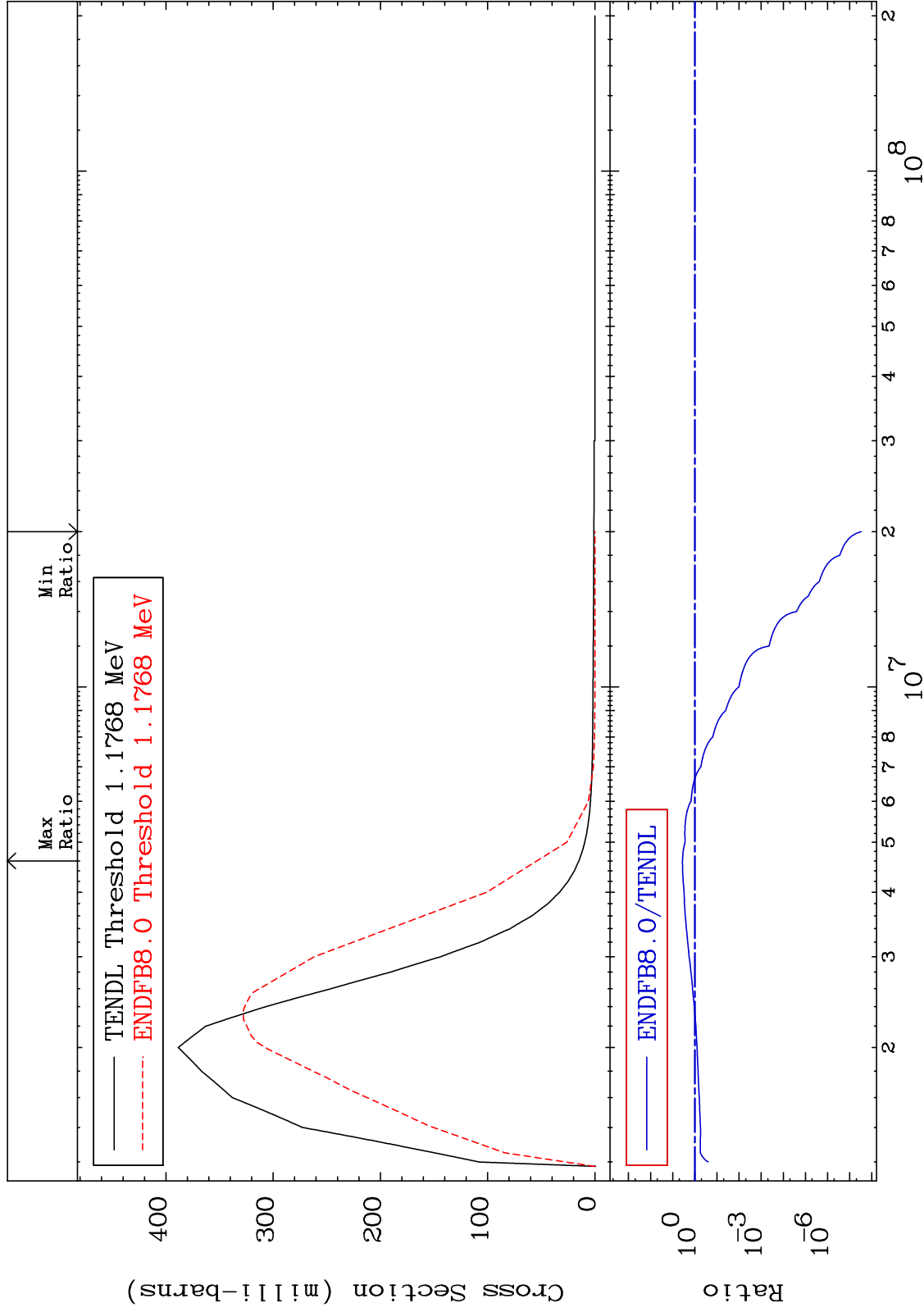


8 Incident Energy (eV) 56-Ba-134

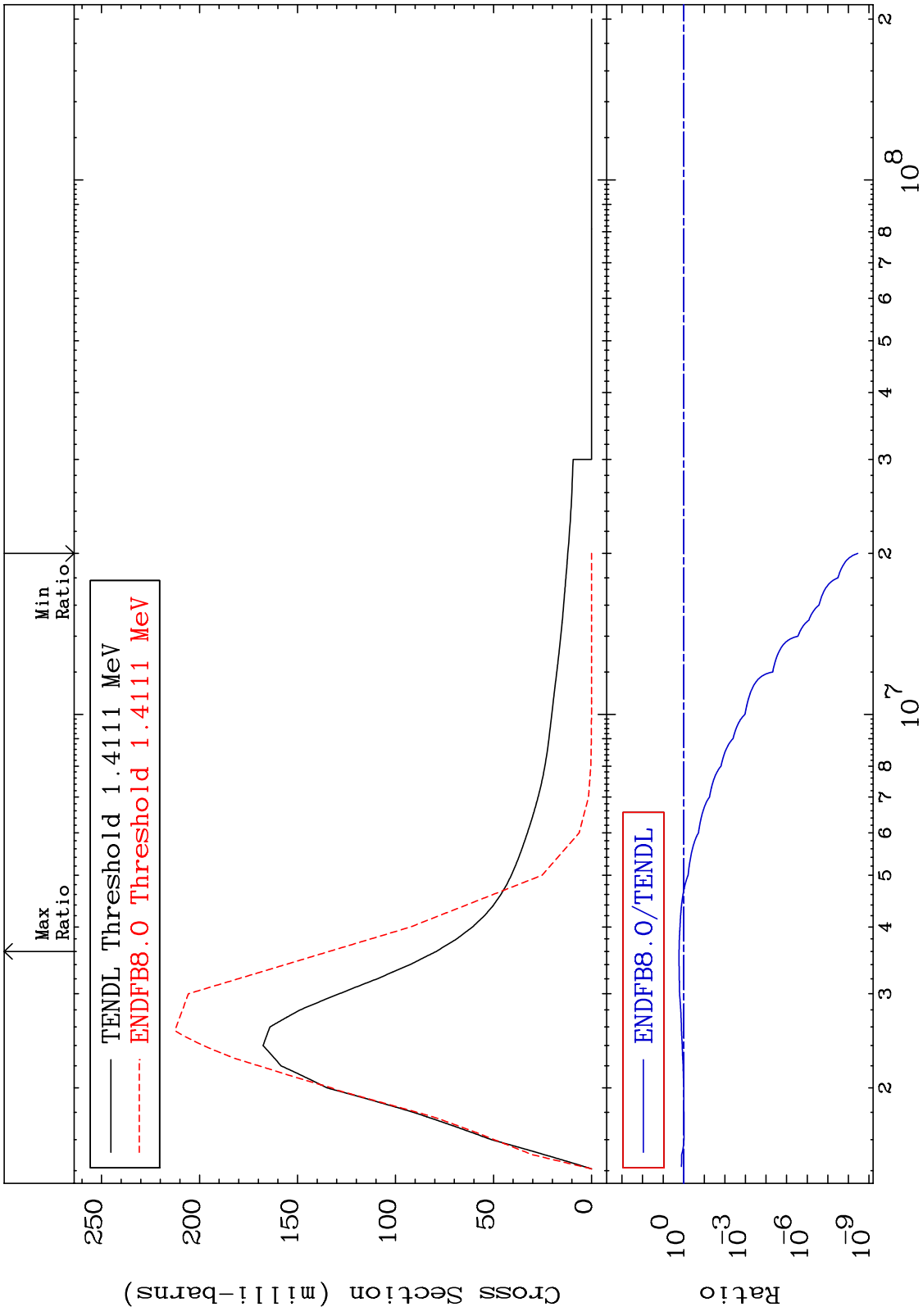
MAT 5637

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

56-Ba-134
-100.0 To 262.7 %

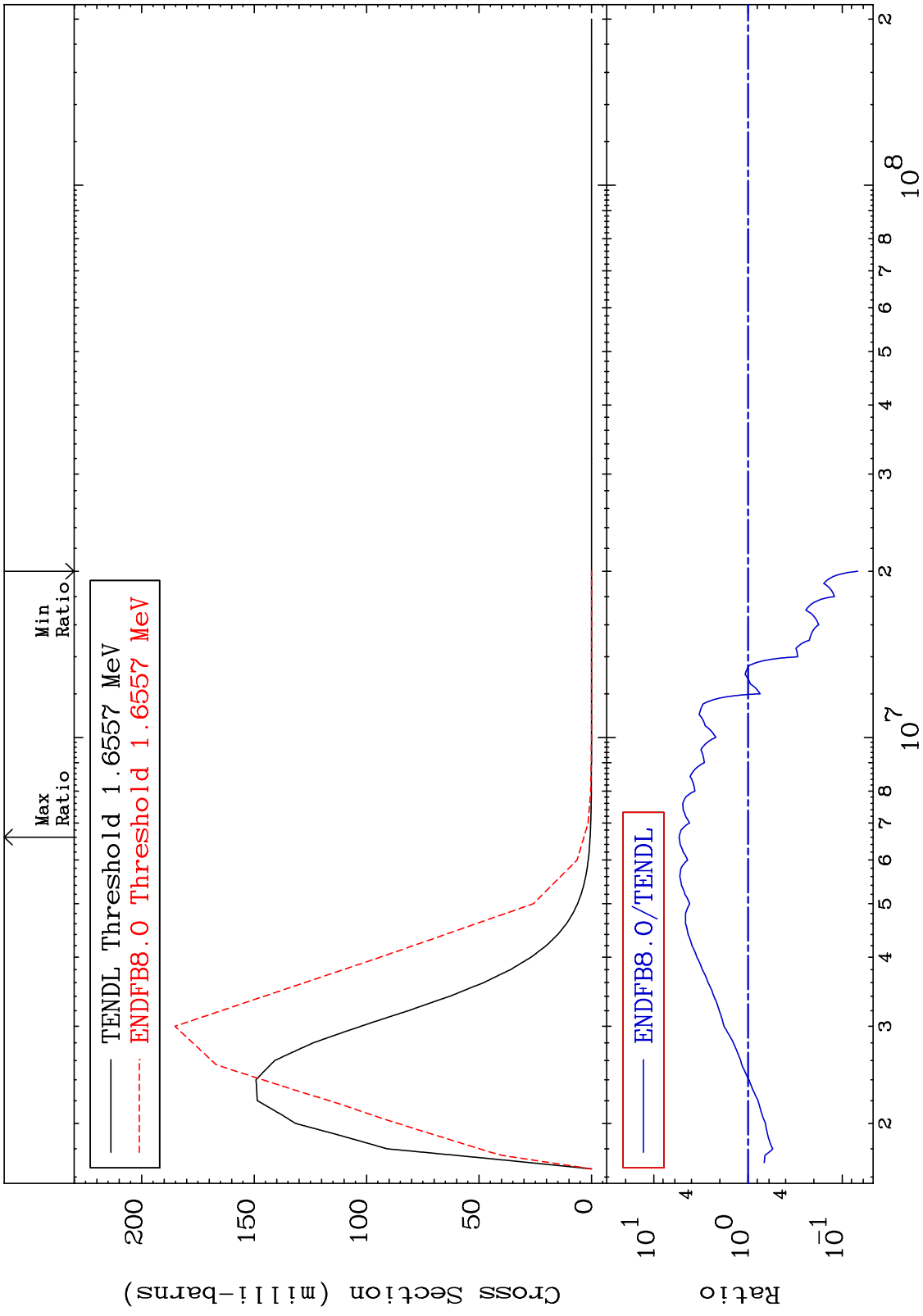


MAT 5637 MT= 53 (n,n') Level Cross Section 56-Ba-134 -100.0 To 69.04 %



10 56-Ba-134 Incident Energy (eV)

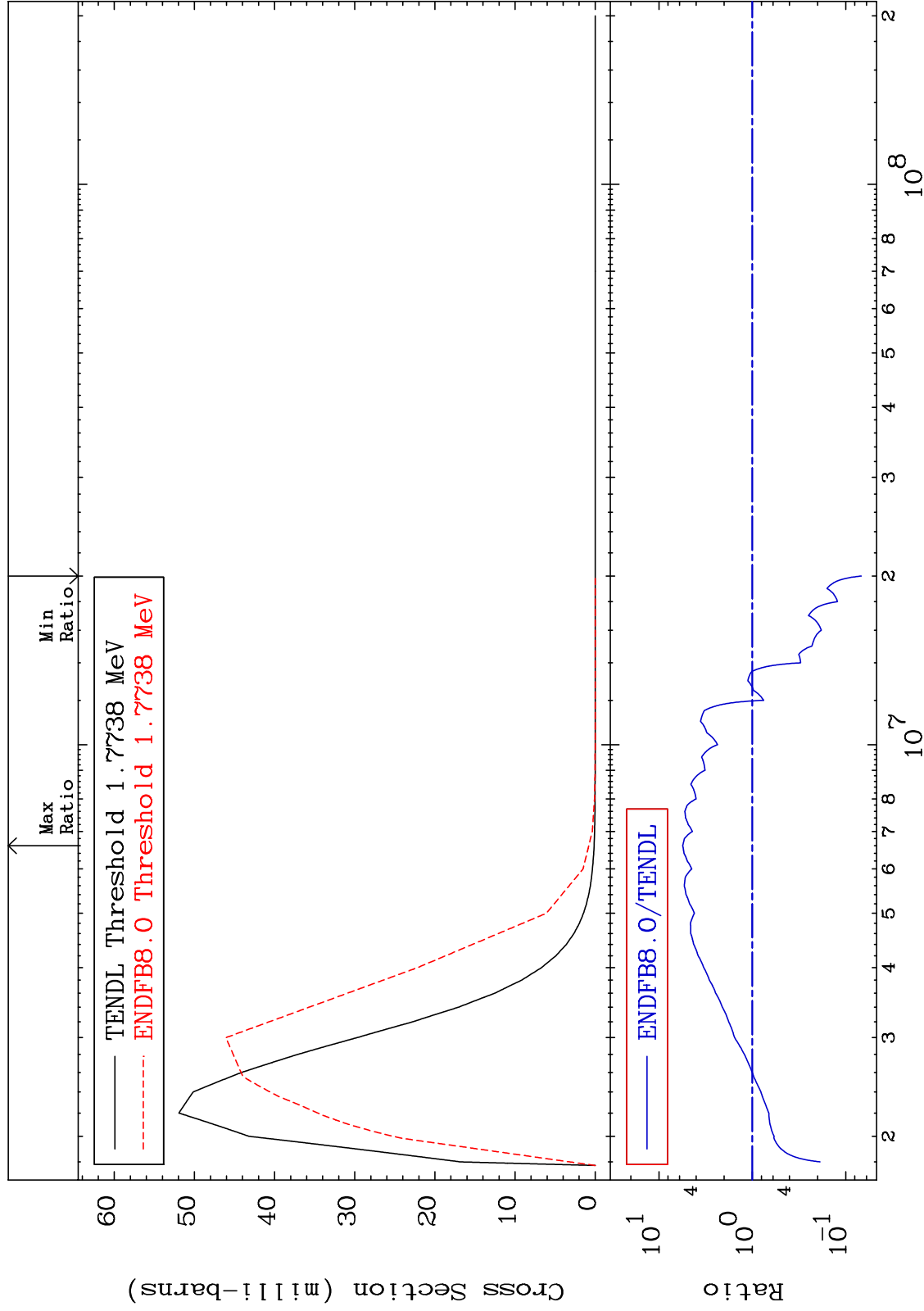
MAT 5637 MT= 54 (n,n') Level Cross Section 56-Ba-134 -93.16 To 441.0 %



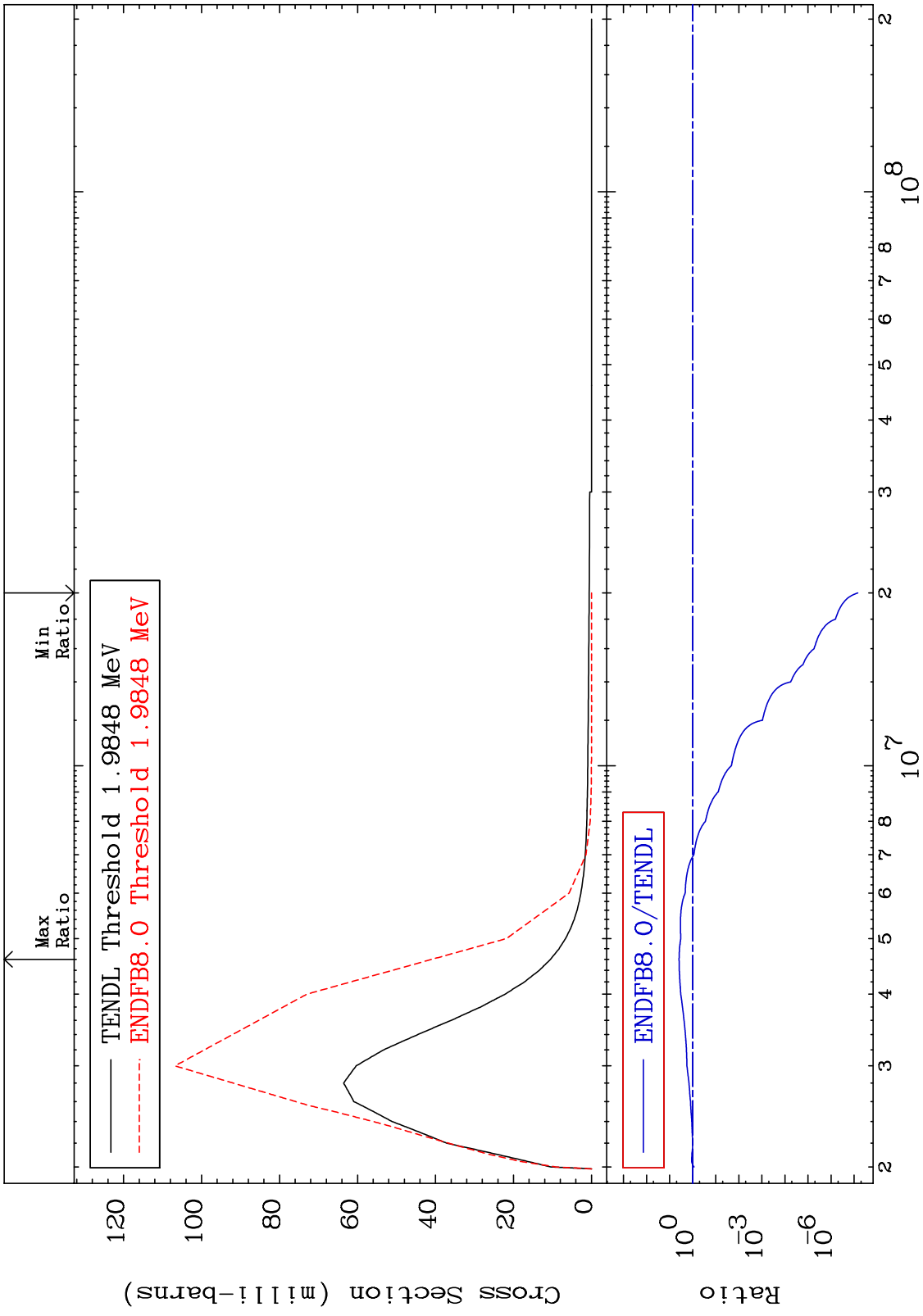
MAT 5637

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

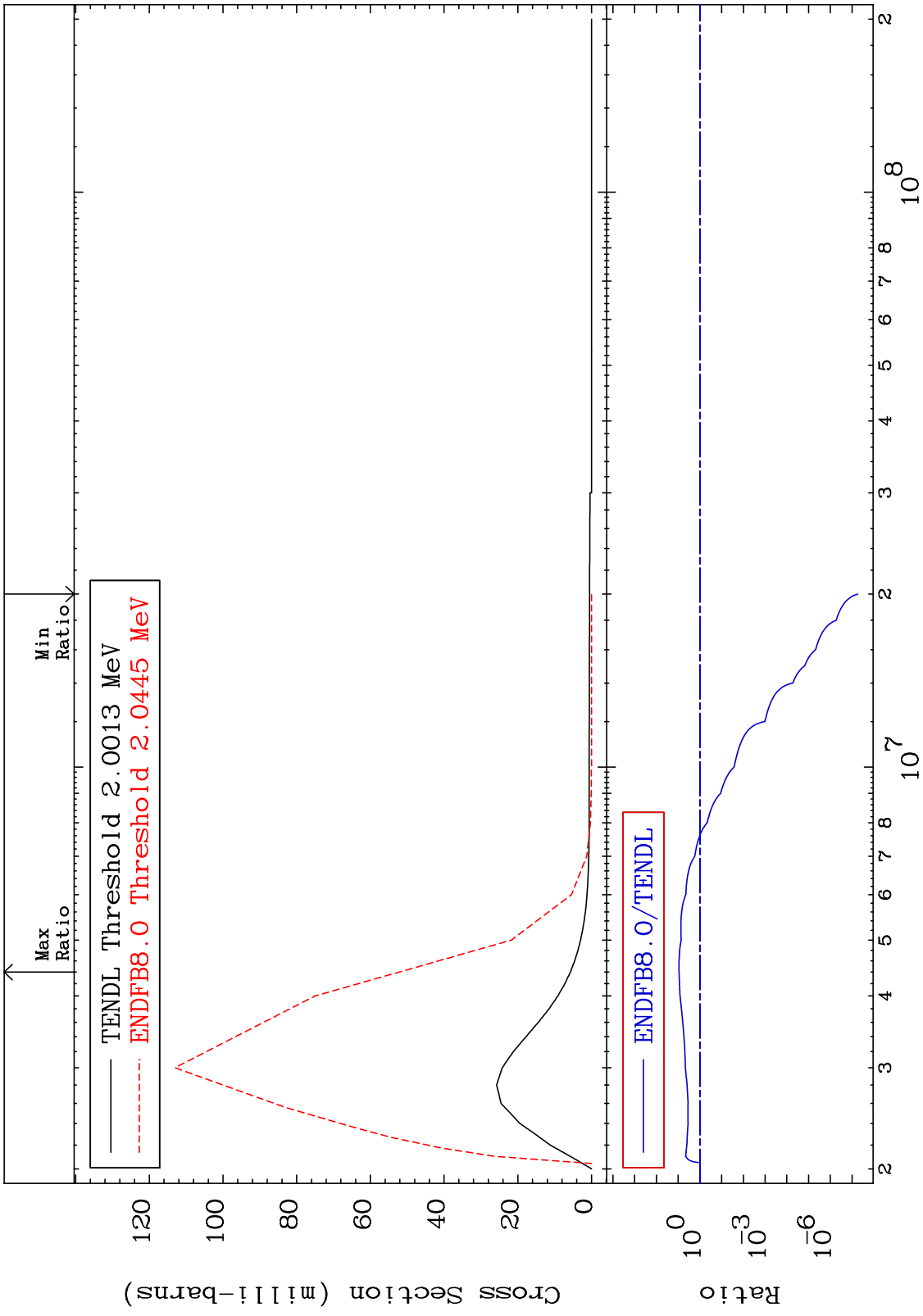
56-Ba-134
-93.19 To 456.7 %



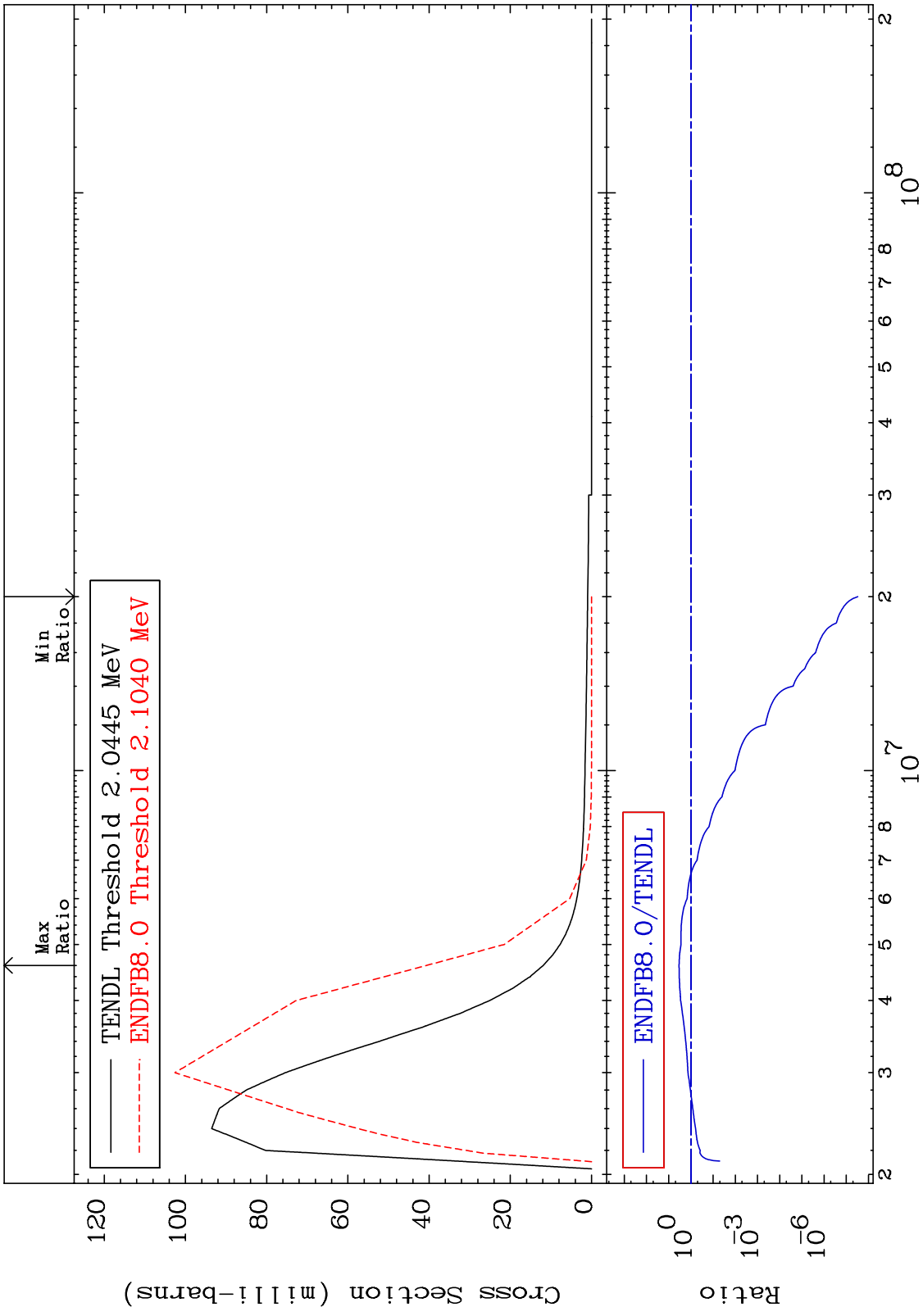
MAT 5637 MT= 56 (n,n') Level Cross Section 56-Ba-134 -100.0 To 289.5 %



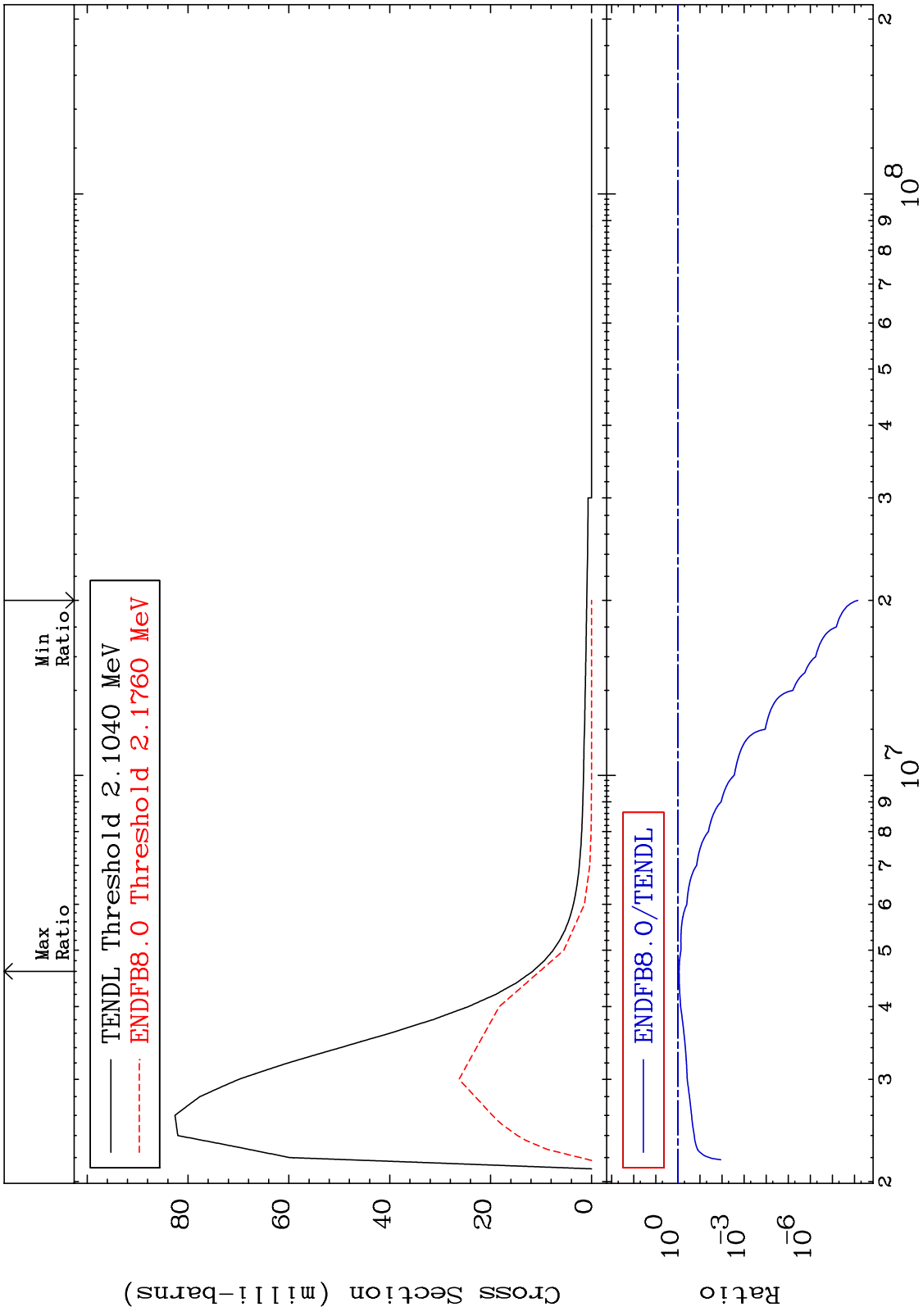
MAT 5637 MT= 57 (n,n') Level Cross Section 56-Ba-134 -100.0 To 810.3 %



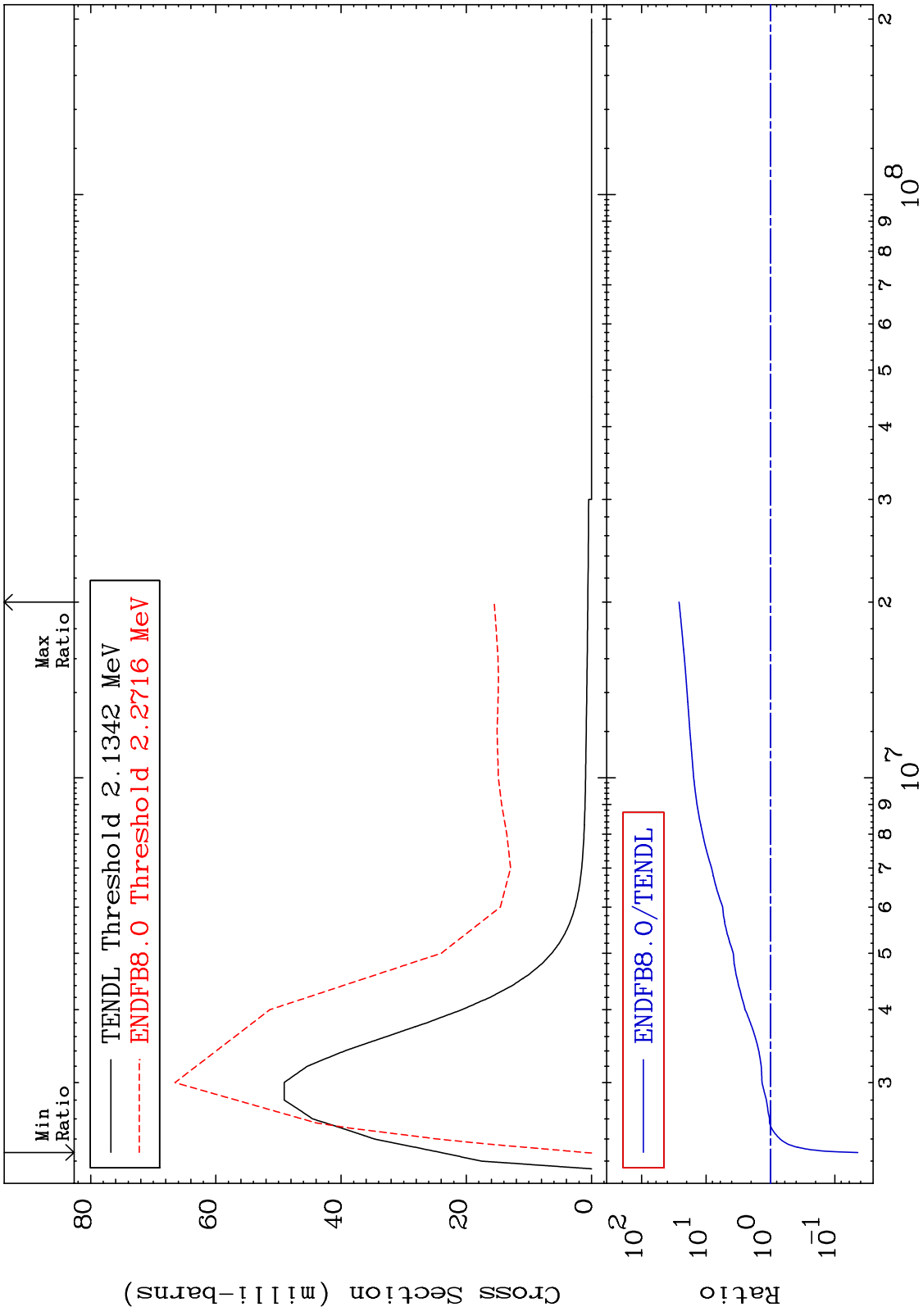
MAT 5637 MT= 58 (n,n') Level Cross Section 56-Ba-134 -100.0 To 241.8 %



MAT 5637 MT= 59 (n,n') Level Cross Section 56-Ba-134 -100.0 To -11.90%



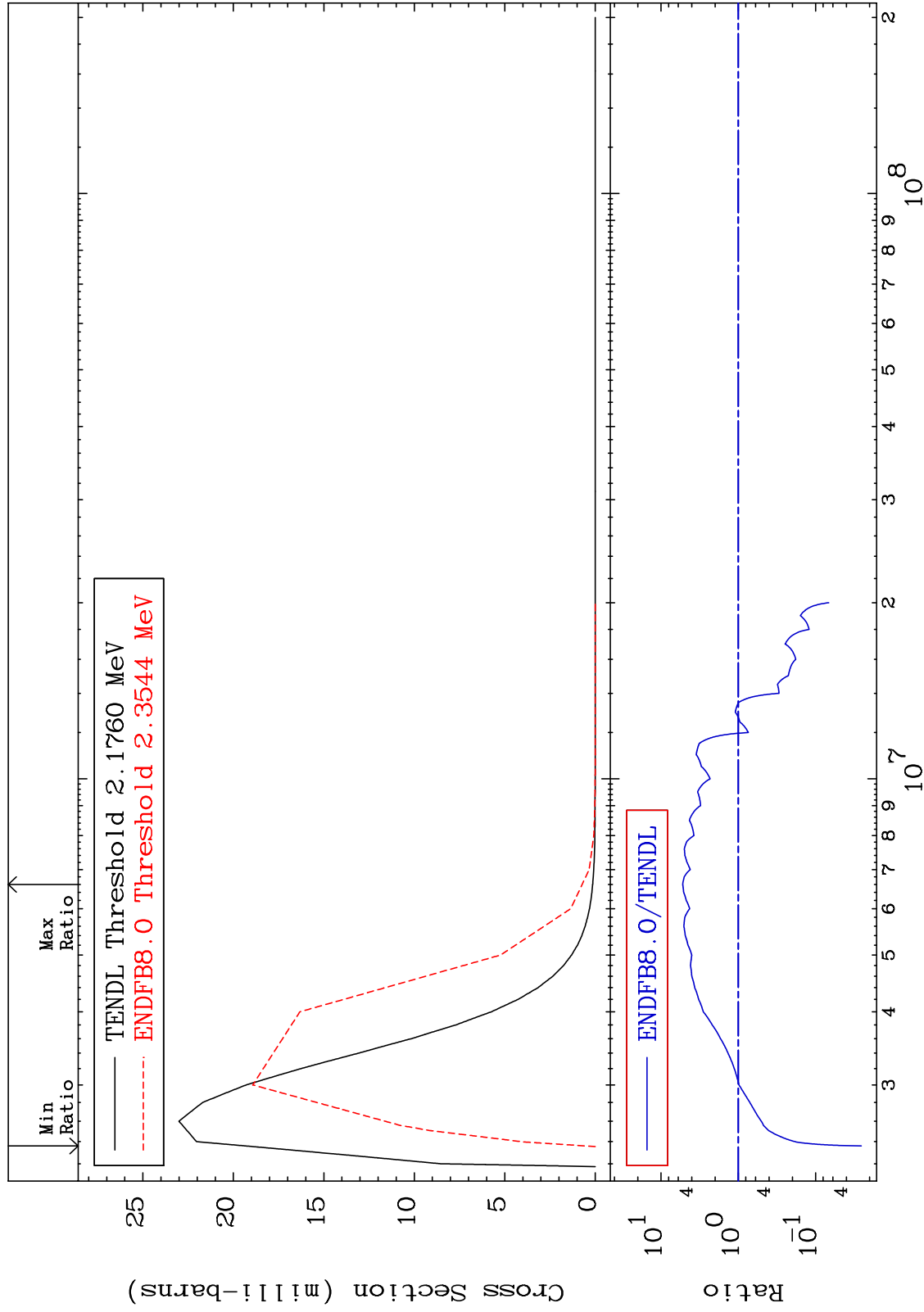
MAT 5637 MT= 60 (n,n') Level Cross Section 56-Ba-134 -95.60 To 2529. %



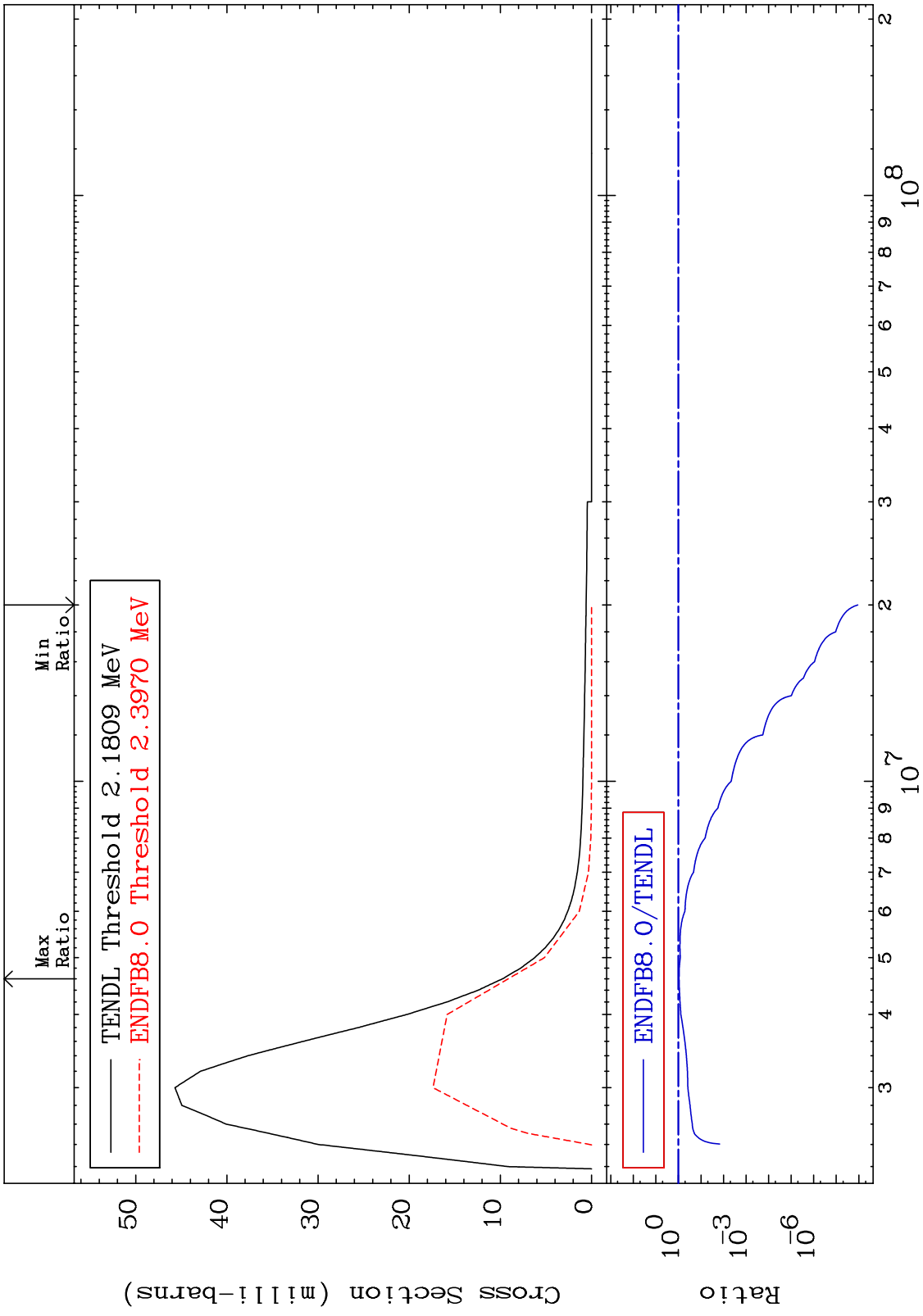
MAT 5637

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

56-Ba-134
-97.44 To 425.2 %

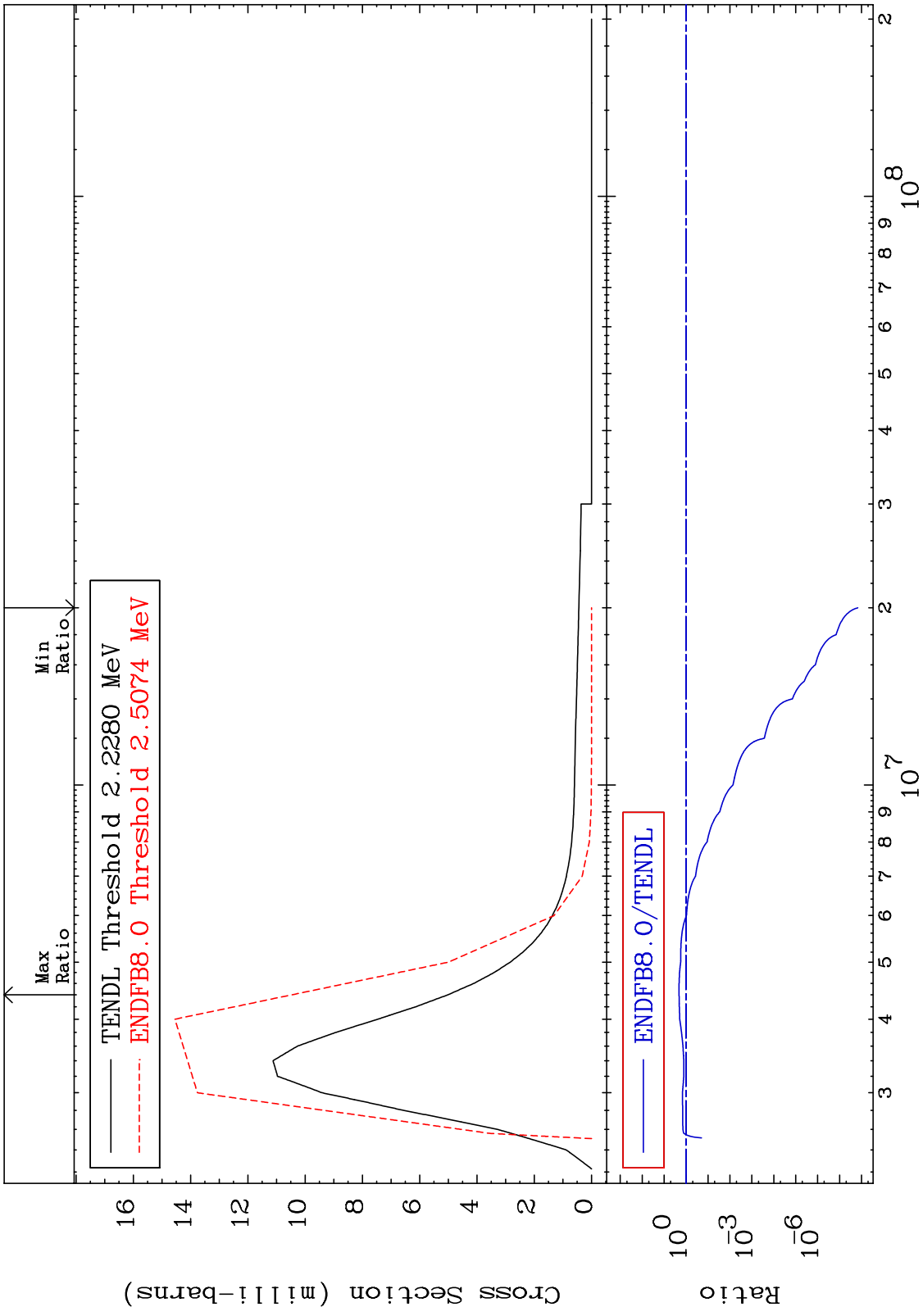


MAT 5637 MT= 62 (n,n') Level Cross Section 56-Ba-134 -100.0 To -6.421%



19 56-Ba-134 Incident Energy (eV)

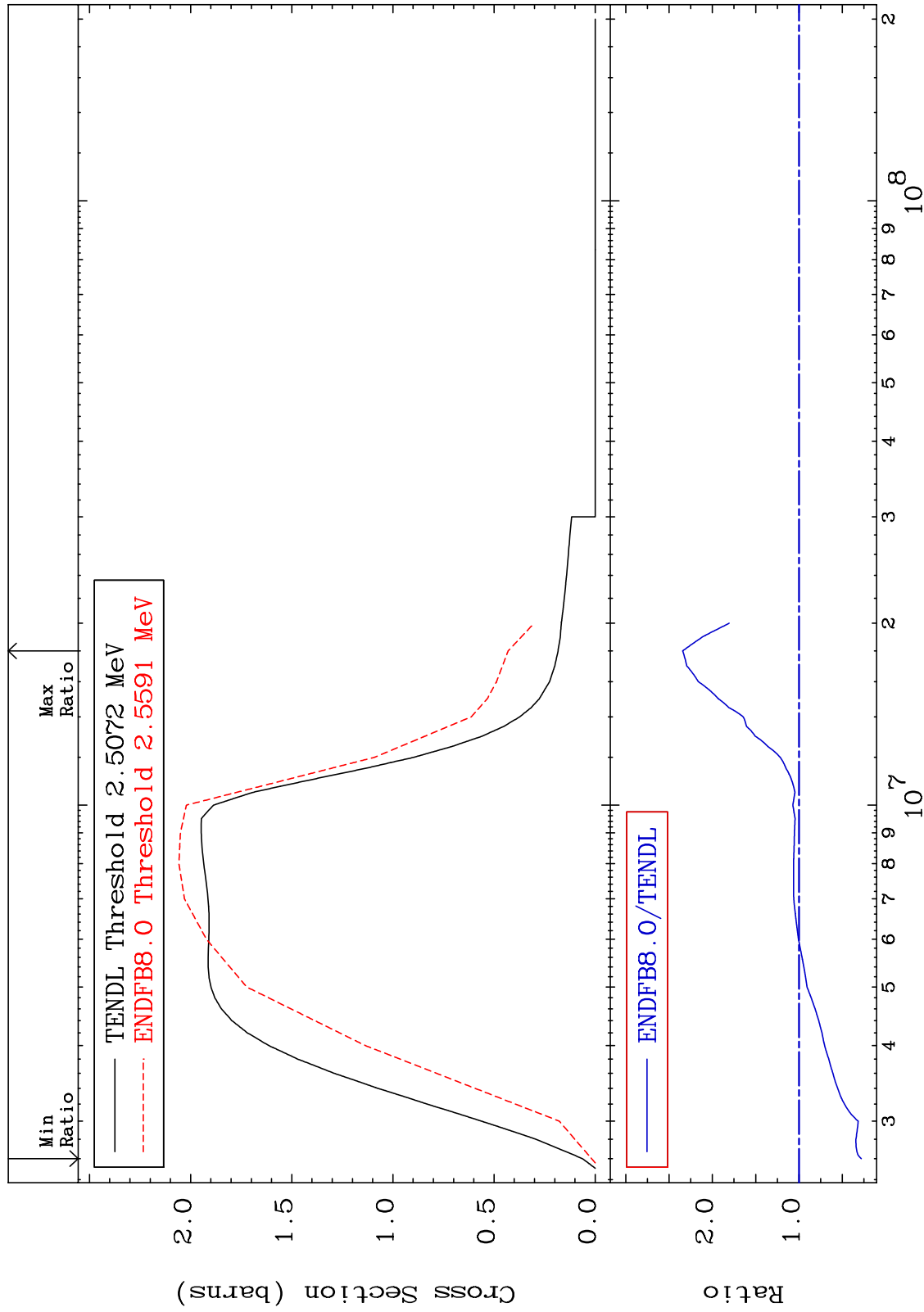
MAT 5637 MT= 63 (n,n') Level Cross Section 56-Ba-134 -100.0 To 108.8 %



MAT 5637

(n,n') Continuum
Cross Section

56-Ba-134
-72.01 To 134.3 %



21

Incident Energy (eV)

56-Ba-134

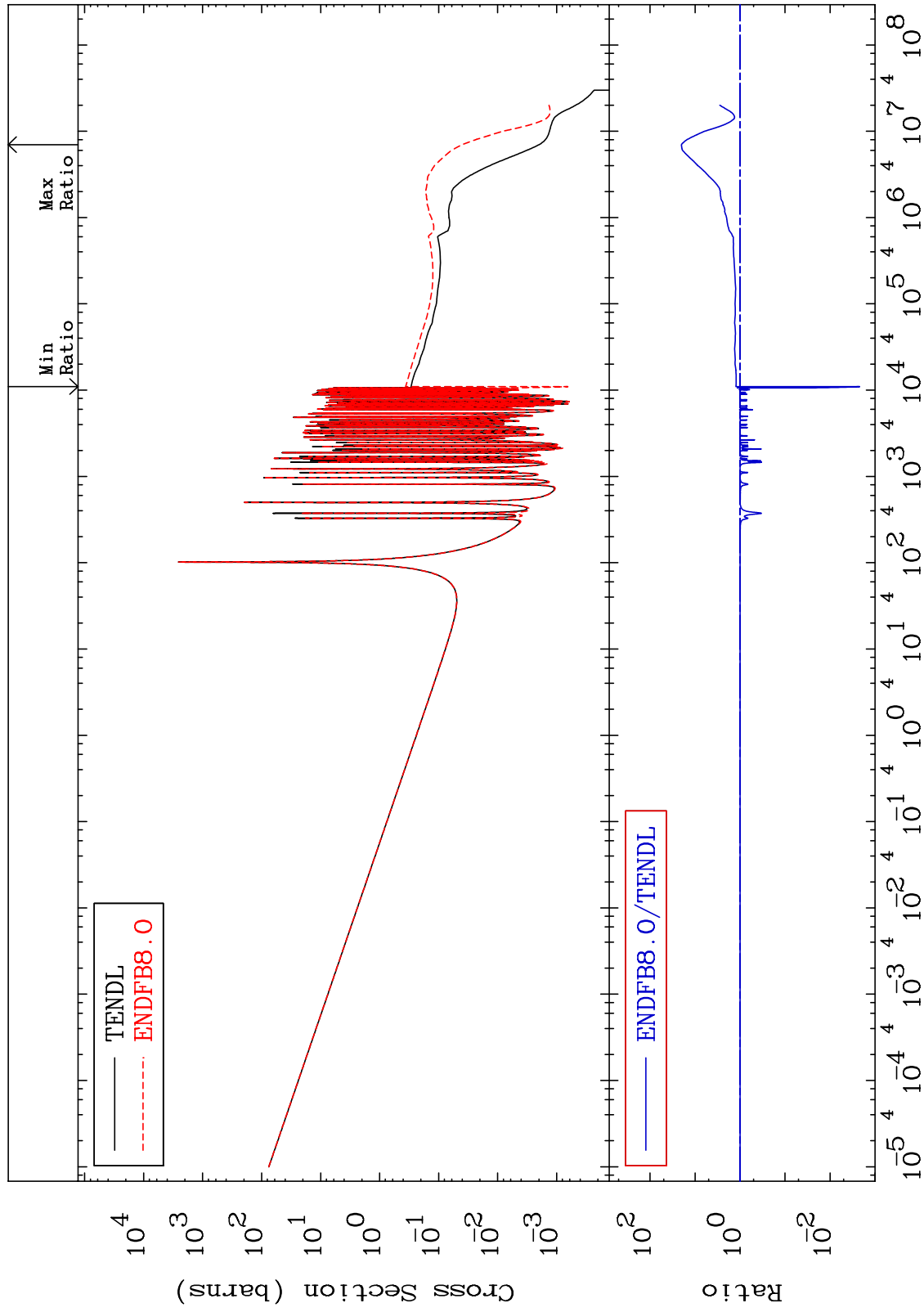
MAT 5637

(n, γ)

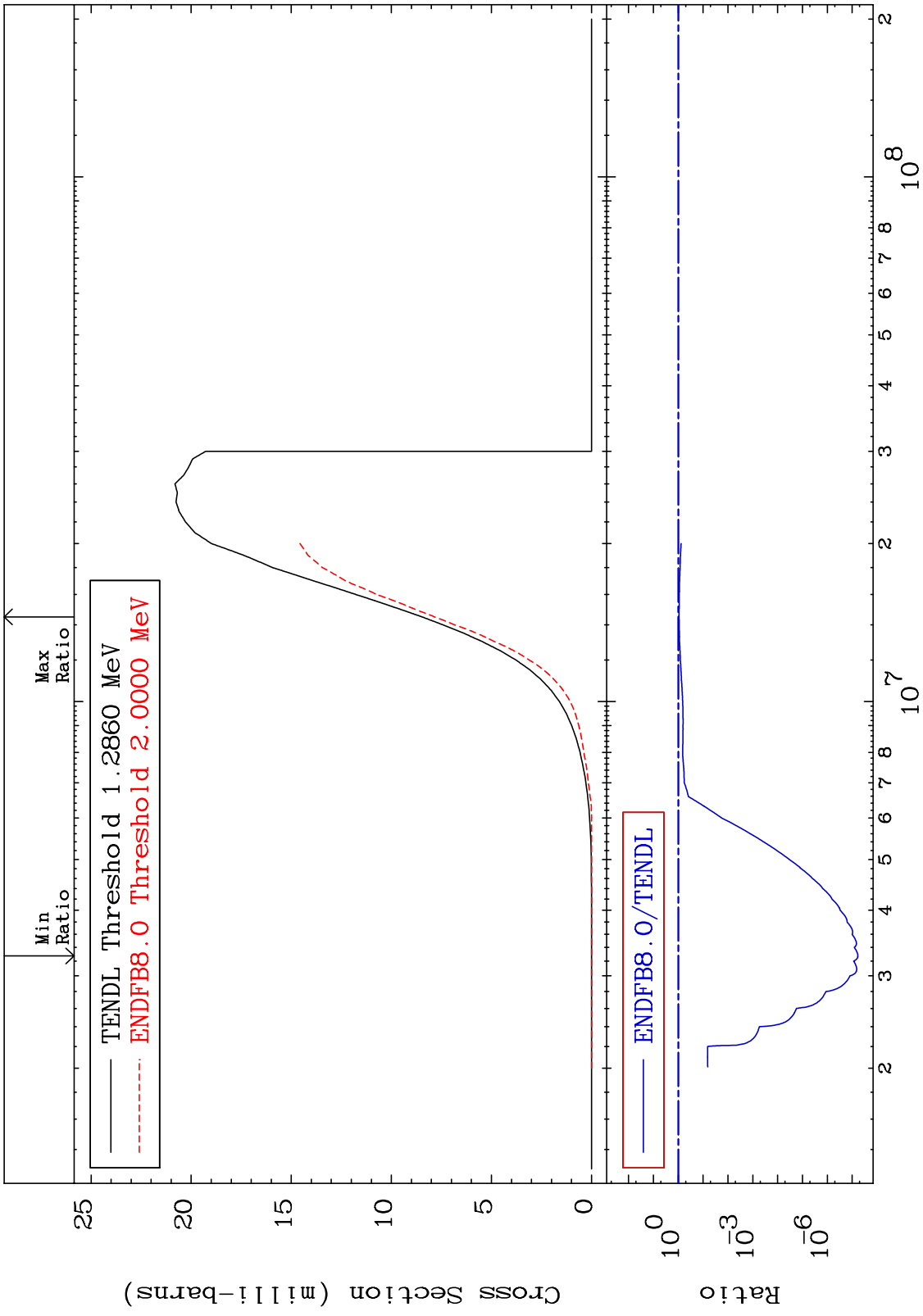
56-Ba-134

Cross Section

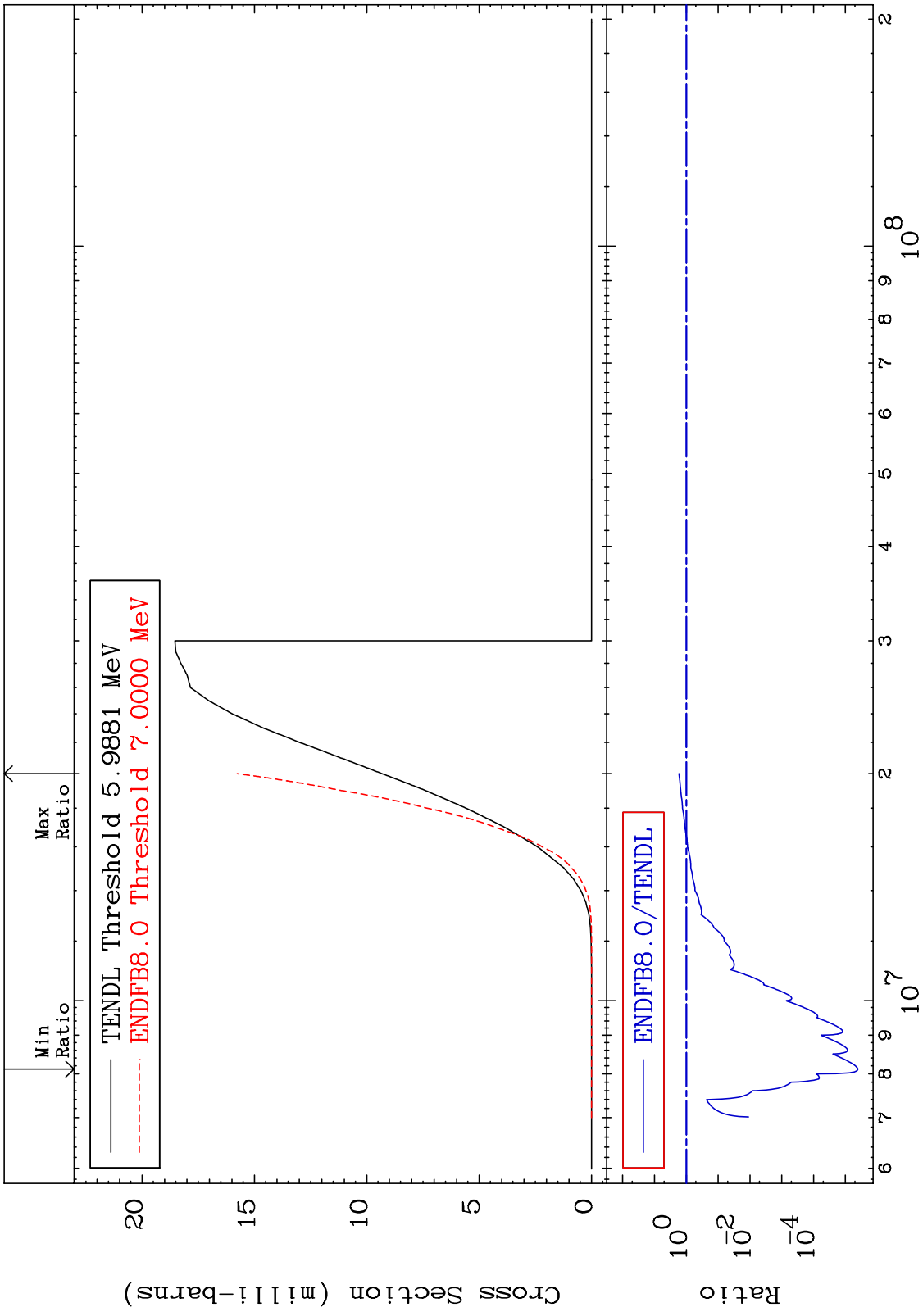
-99.78 To 1907. %



MAT 5637 (n,p) Cross Section 56-Ba-134 -100.0 To -7.378%

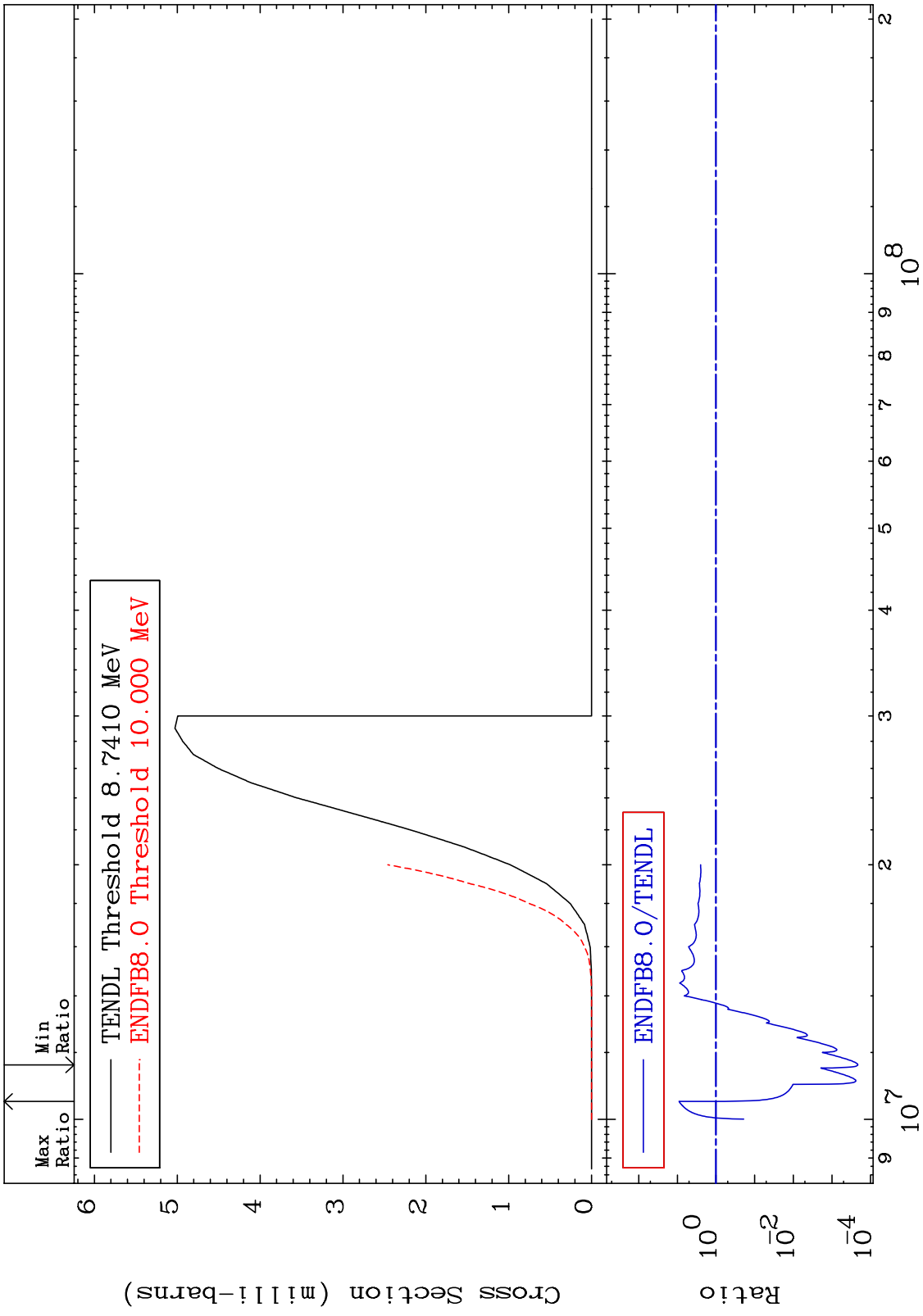


MAT 5637 (n,d) Cross Section 56-Ba-134 -100.0 To 69.07 %



24 56-Ba-134 Incident Energy (eV)

MAT 5637 (n,t) Cross Section 56-Ba-134 -99.98 To 804.5 %



25 Incident Energy (eV) 56-Ba-134

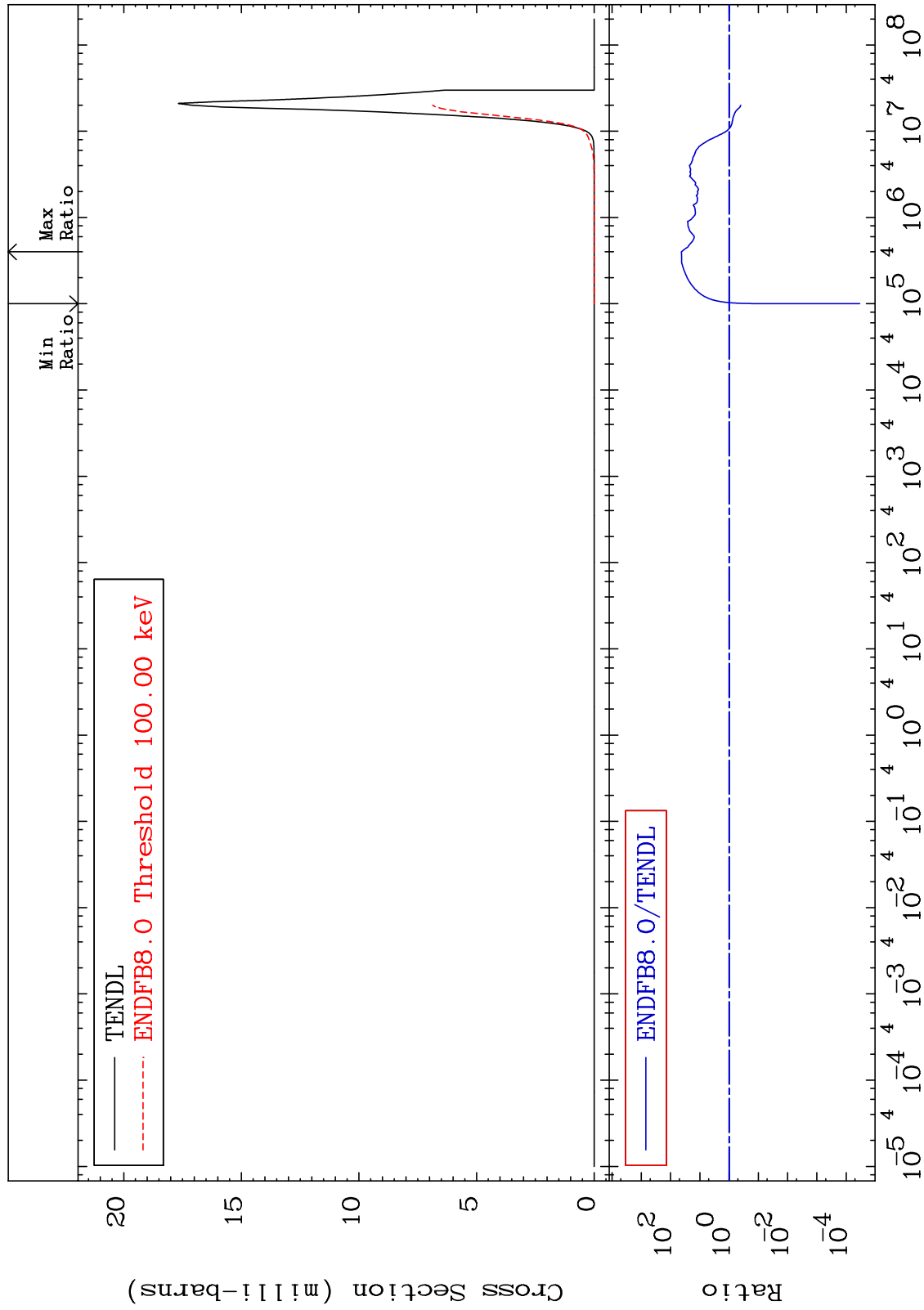
MAT 5637

(n, α)

56-Ba-134

Cross Section

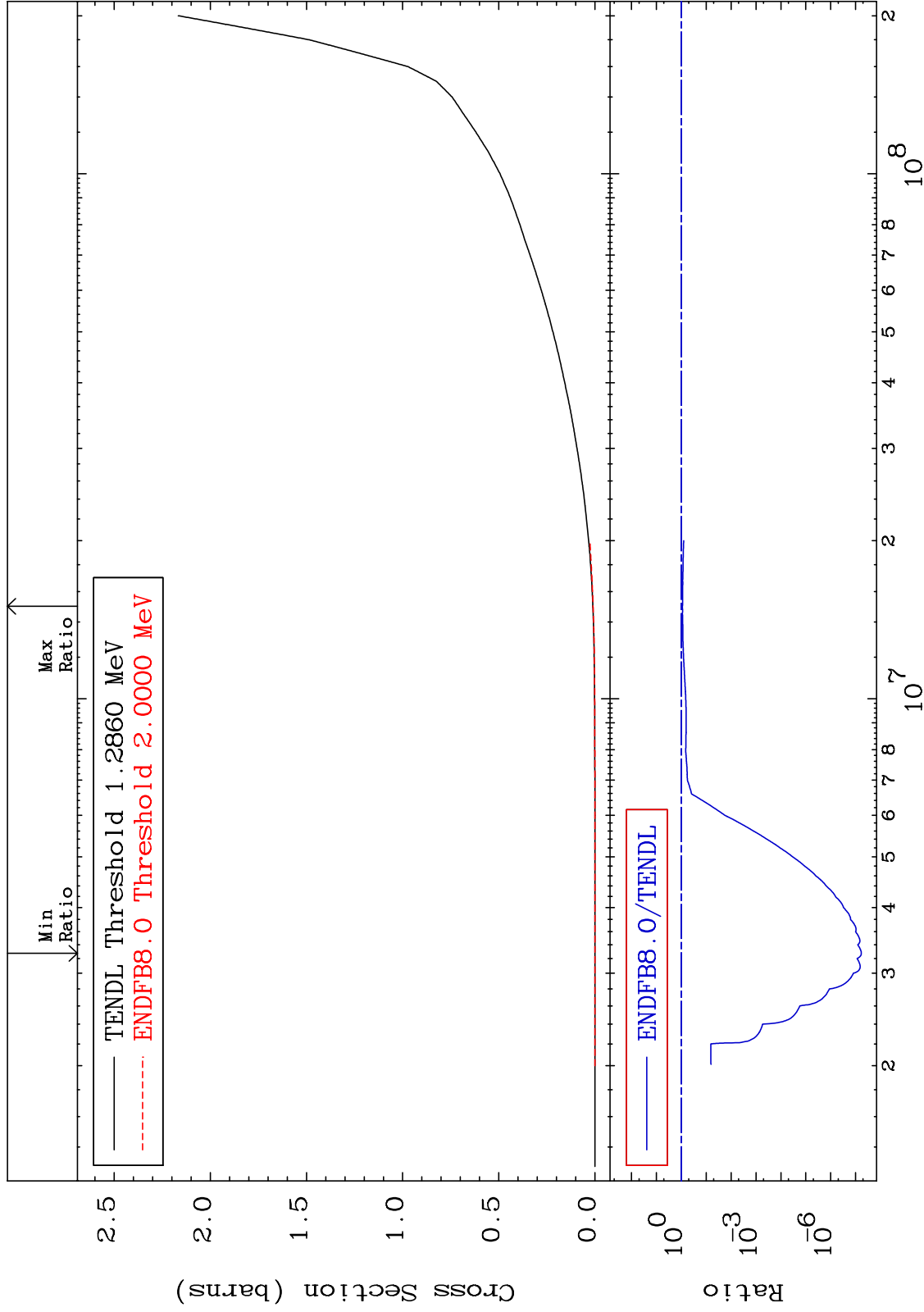
-100.0 To 4149. %



MAT 5637

Hydrogen Production
Cross Section

⁵⁶Ba-134
-100.0 To -10.08%



27

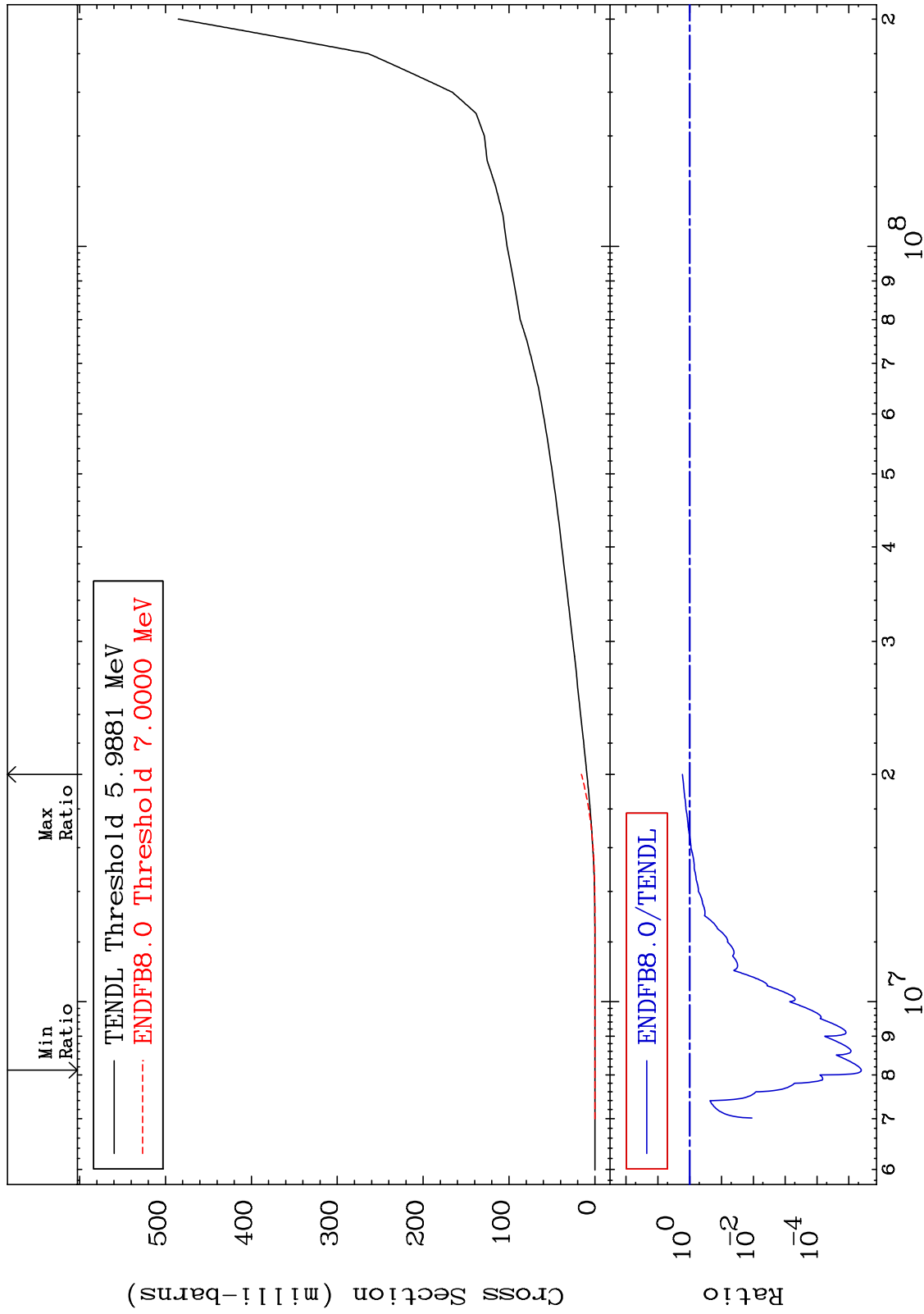
Incident Energy (eV)

⁵⁶Ba-134

MAT 5637

Deuterium Production
Cross Section

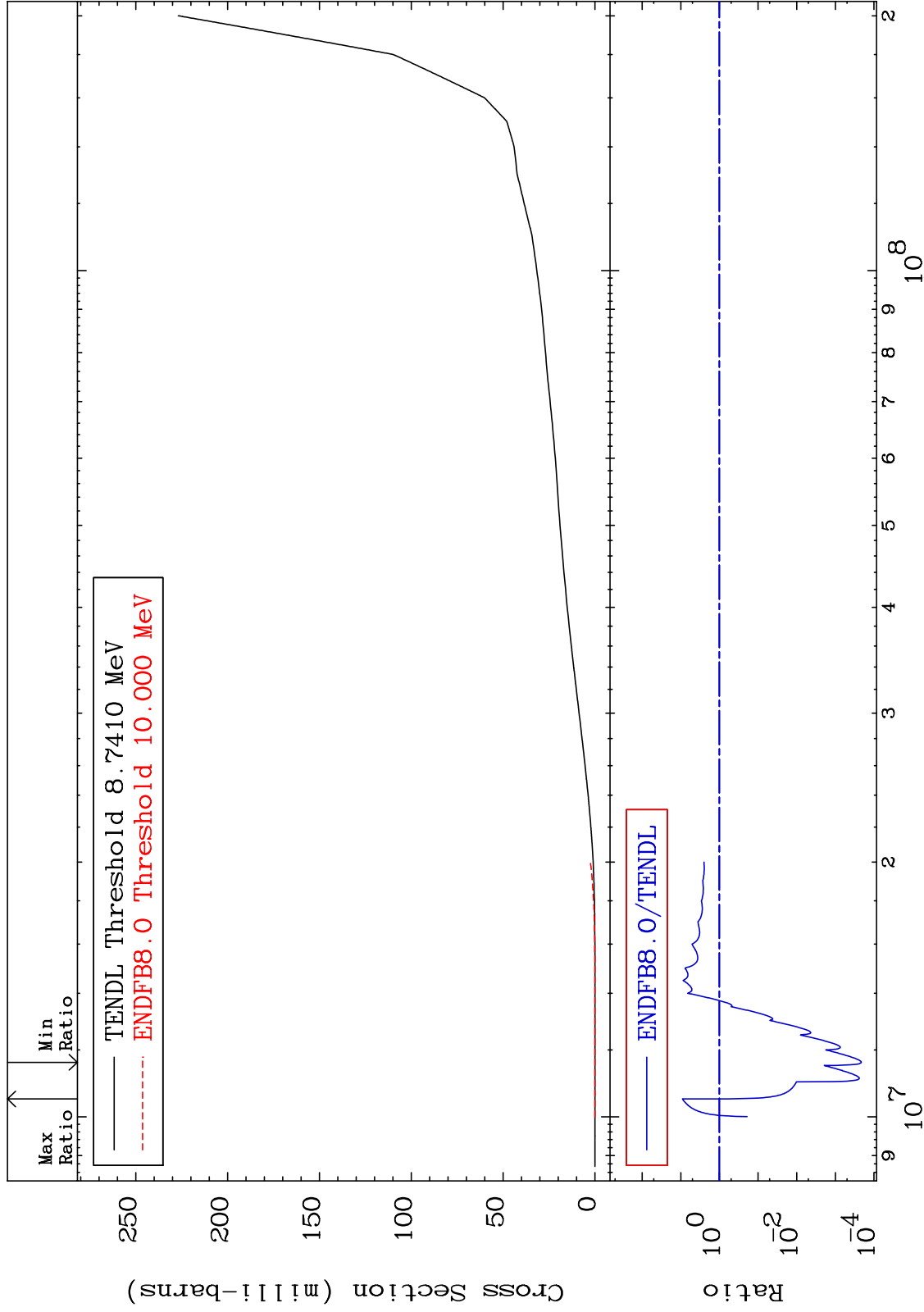
56-Ba-134
-100.0 To 69.05 %



MAT 5637

Tritium Production
Cross Section

56-Ba-134
-99.98 To 804.5 %



29

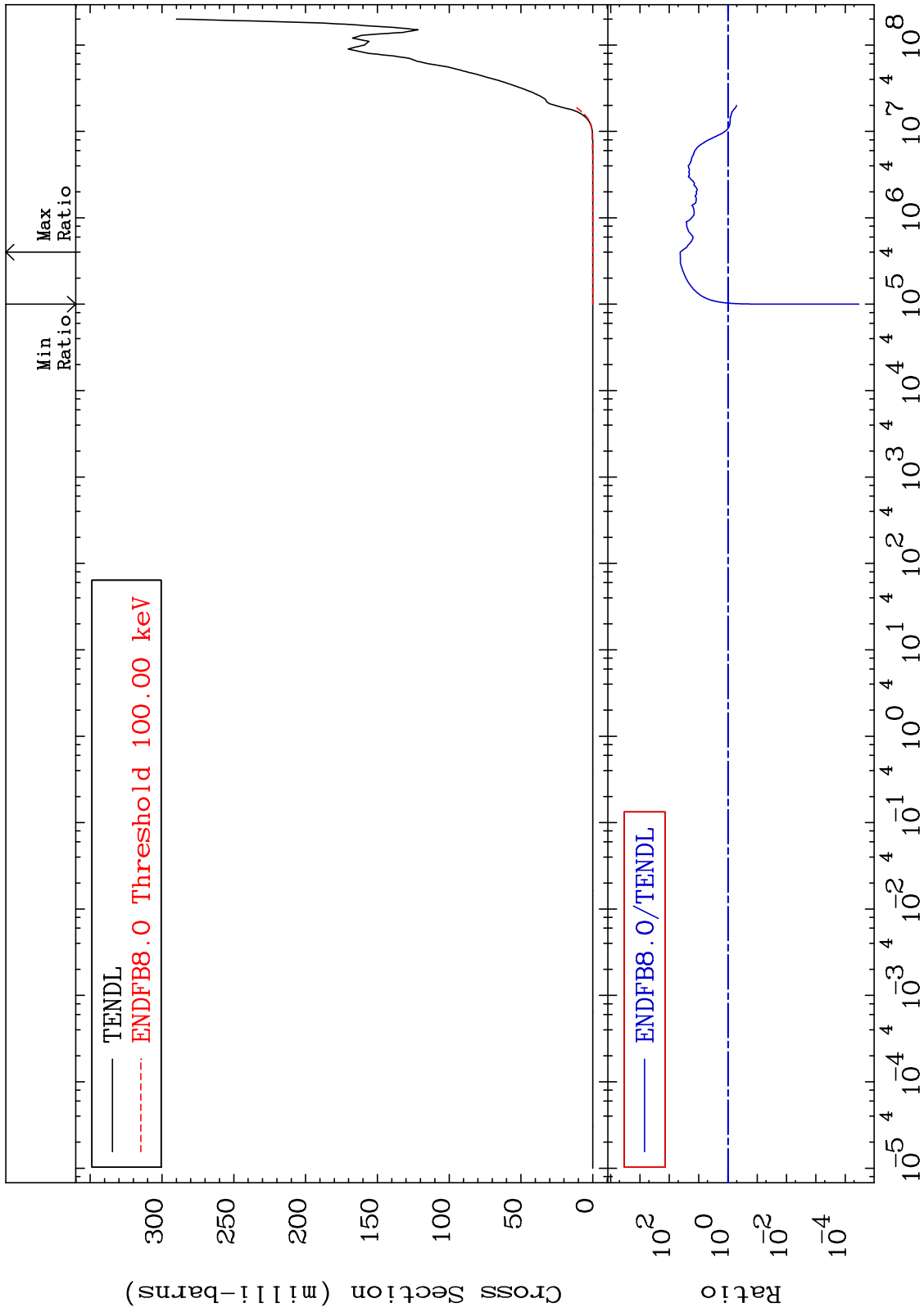
Incident Energy (eV)

56-Ba-134

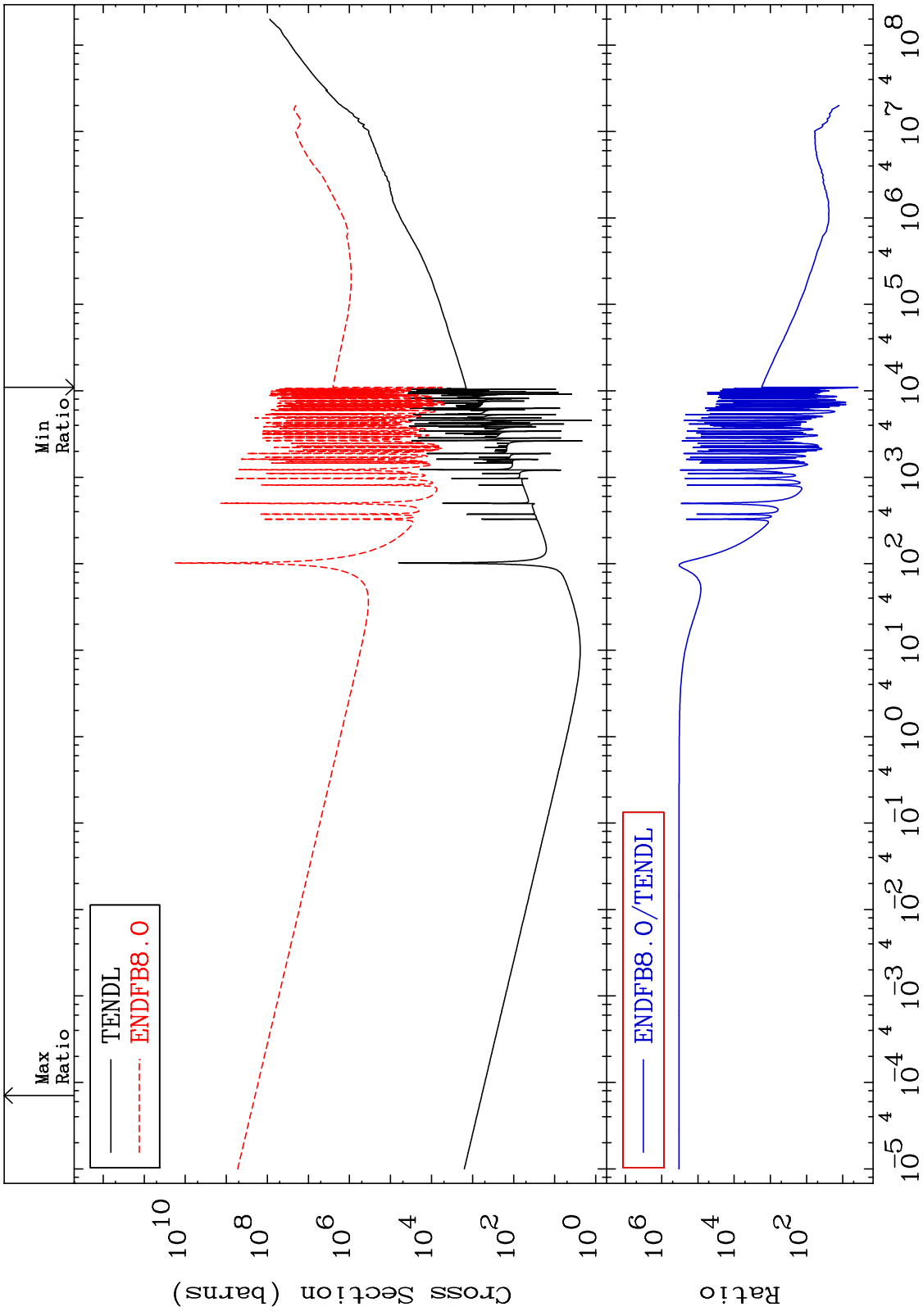
MAT 5637

He-4 Production
Cross Section

56-Ba-134
-100.0 To 4149. %



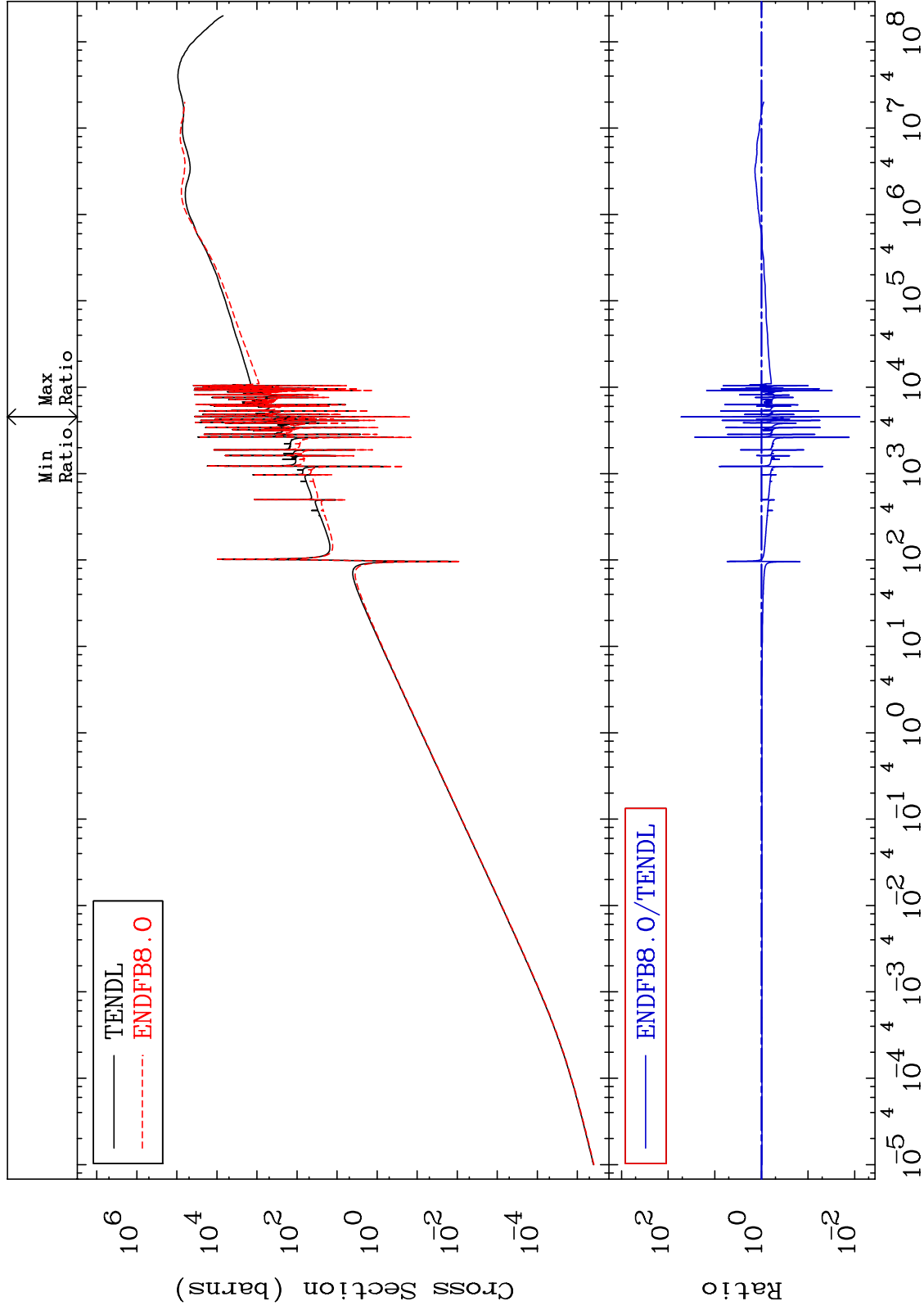
MAT 5637 Kerma total (eV-barns) 56-Ba-134
 Cross Section 284.4 To 9999. %



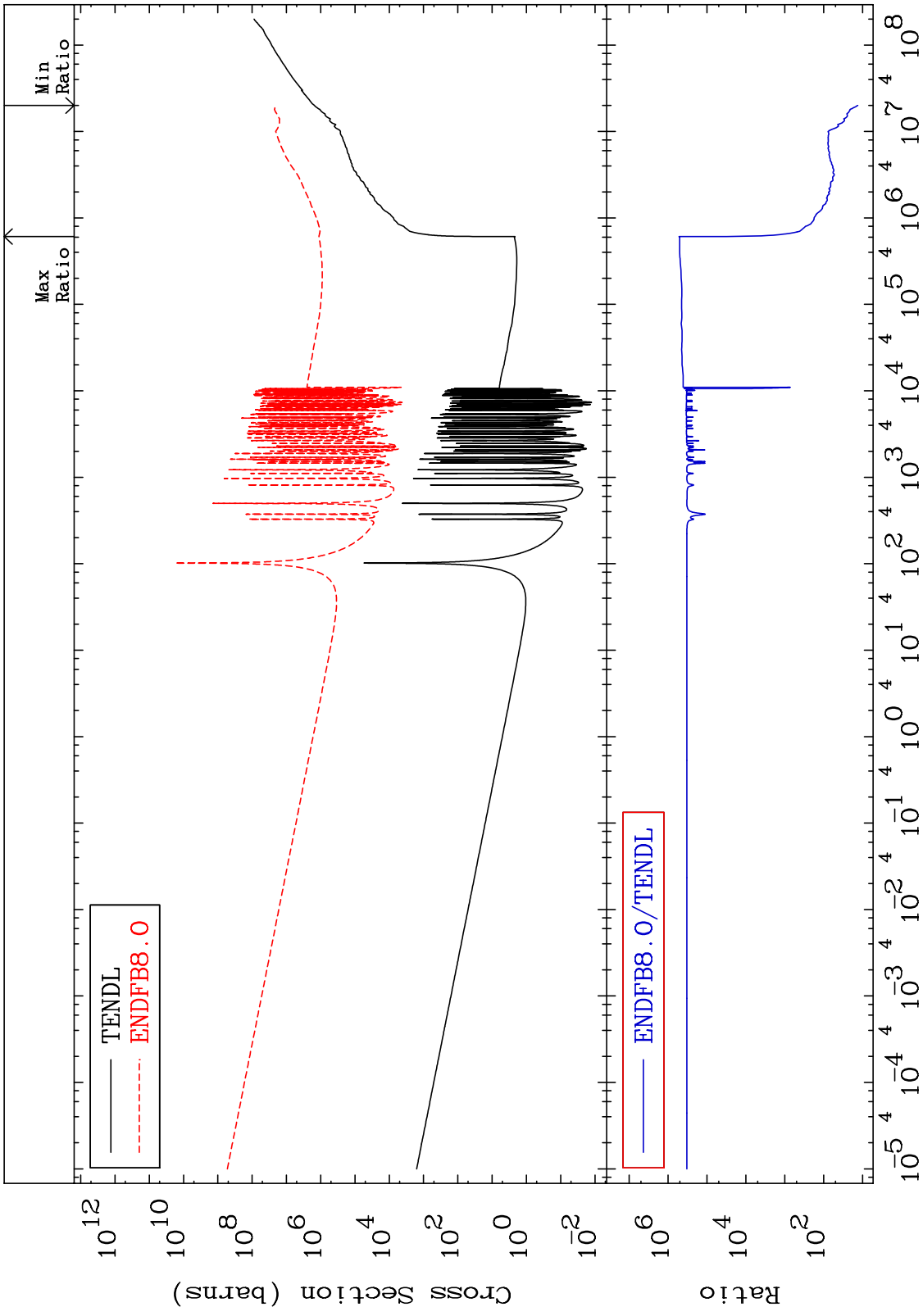
MAT 5637

Kerma elastic
Cross Section

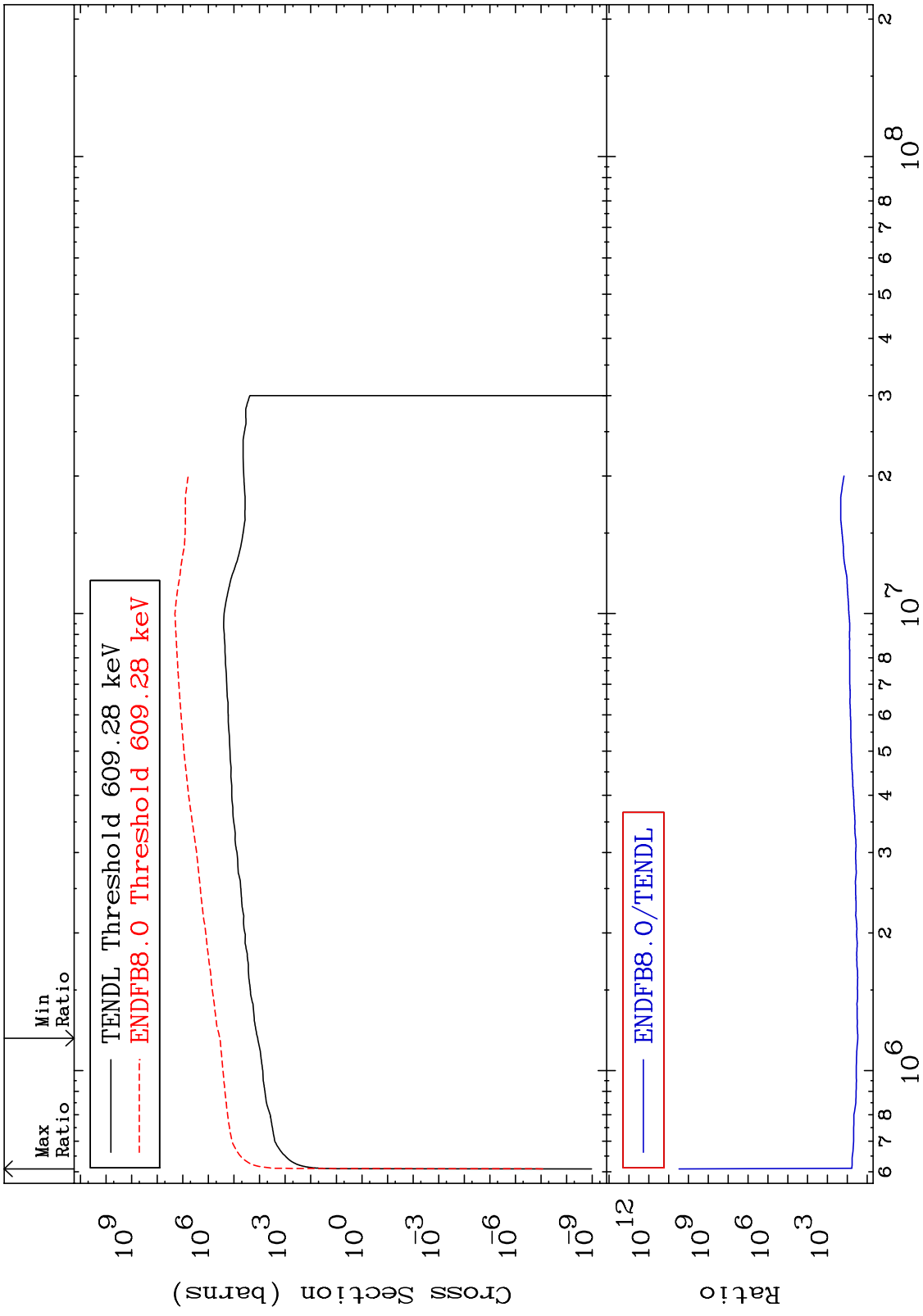
56-Ba-134
-99.22 To 5139. %



MAT 5637 Kerma non-elastic (all but mt2) 56-Ba-134
 Cross Section 1223. To 9999. %



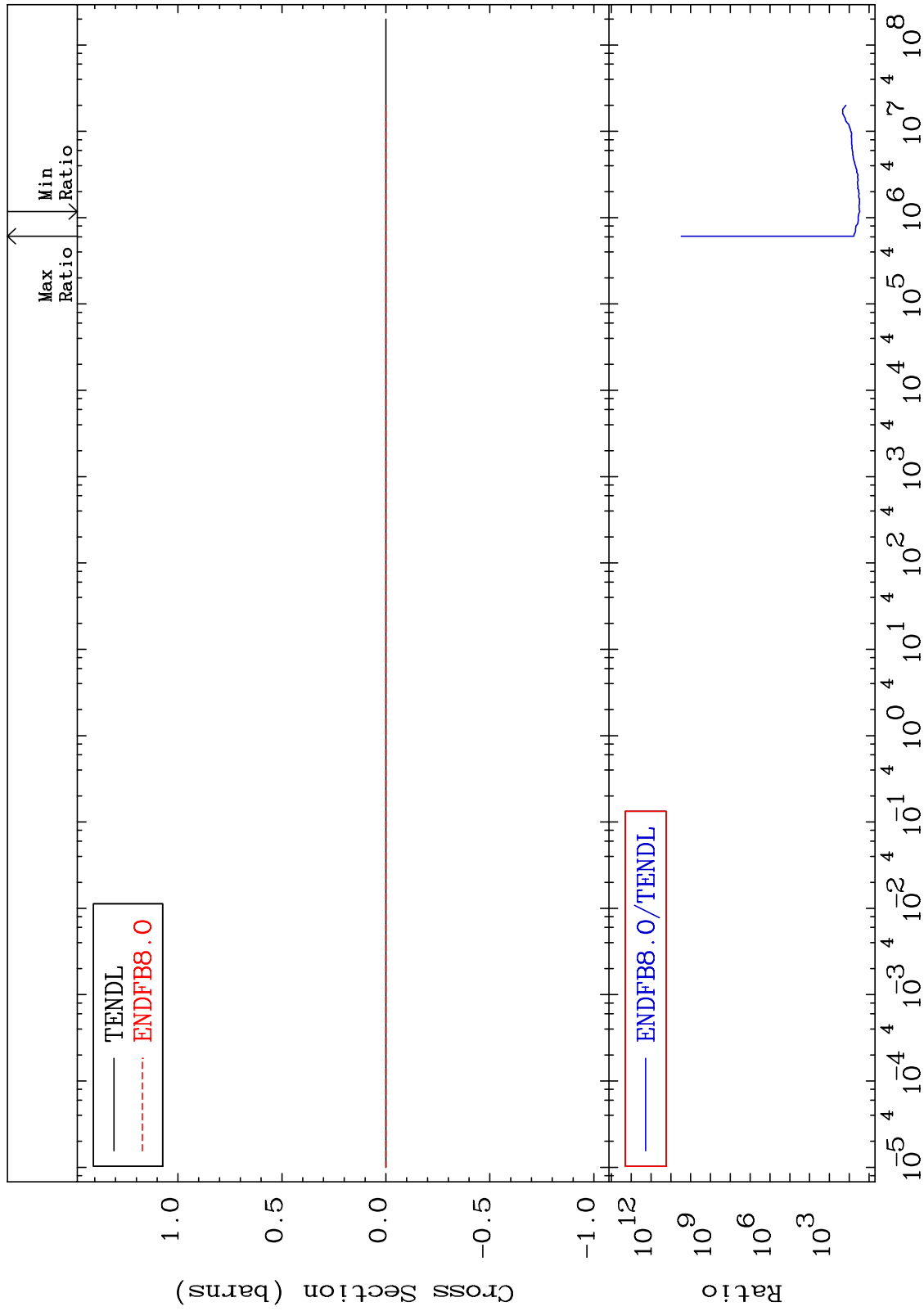
MAT 5637 Kerma inelastic (mt51-91) 56-Ba-134
 Cross Section 2852. To 9999. %



MAT 5637

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

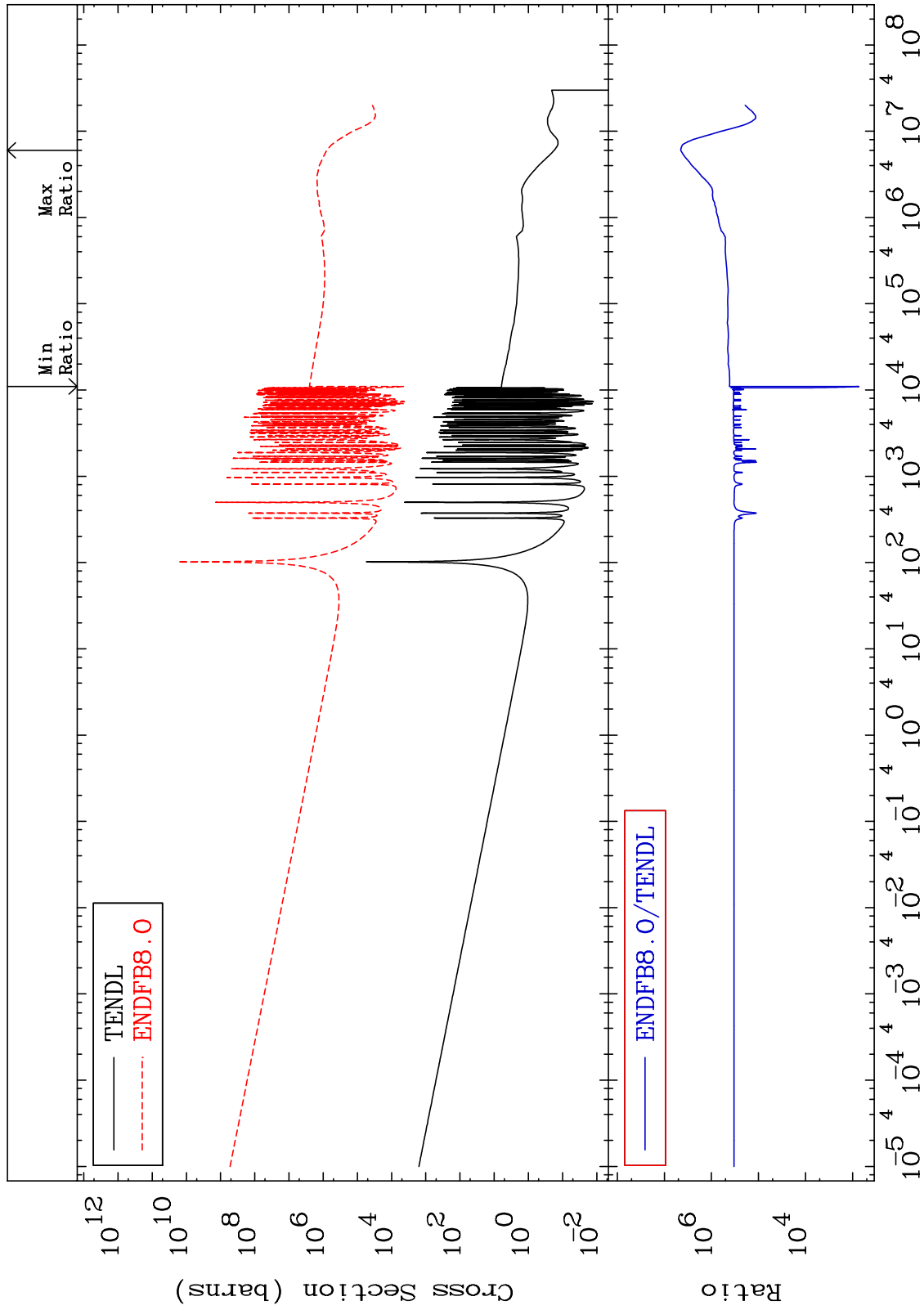
56-Ba-134
2852. To 9999. %



MAT 5637

Kerma capture (mt102)
Cross Section

56-Ba-134
9999. To 9999. %



Min Ratio

Max Ratio

— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL

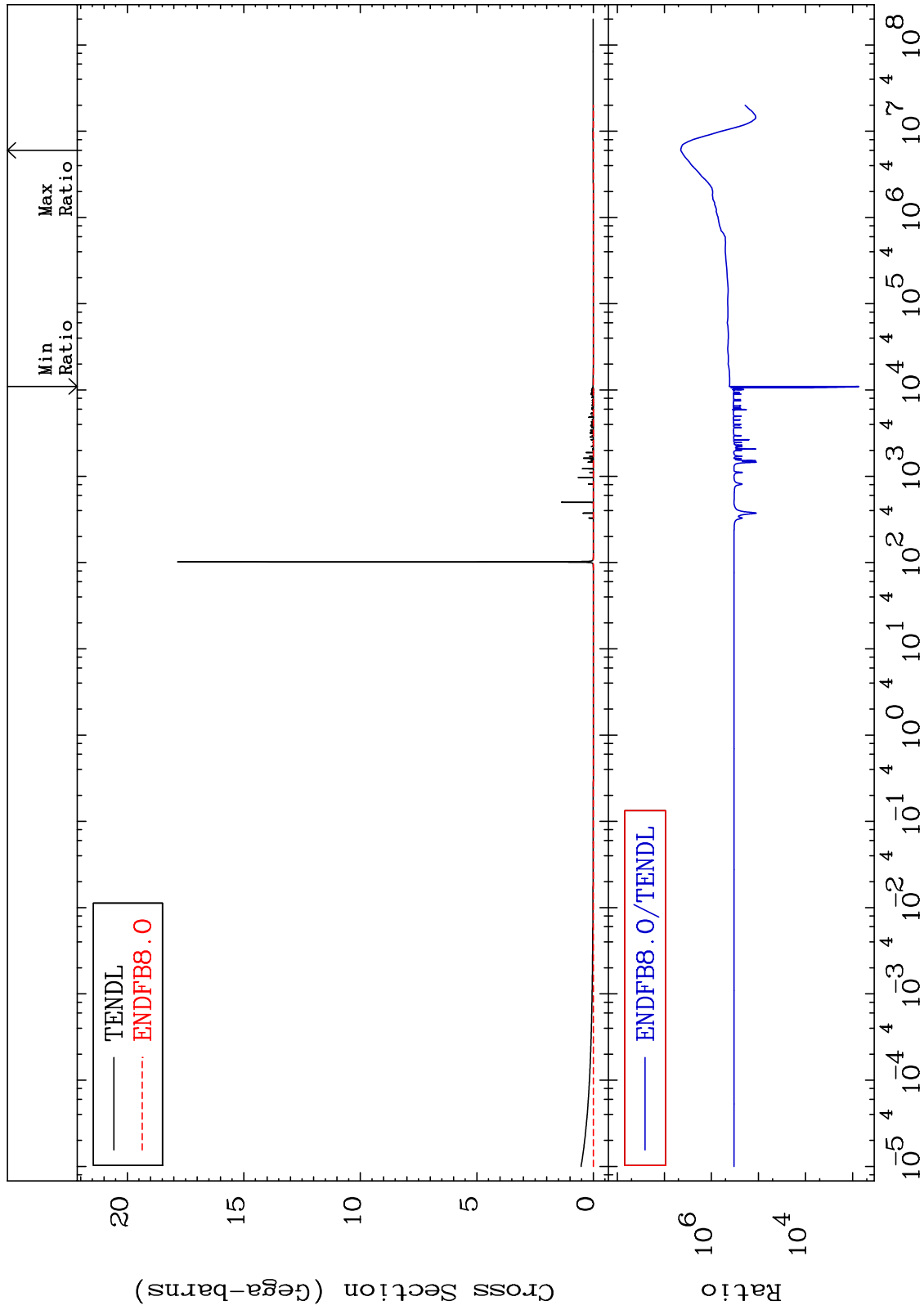
Incident Energy (eV)

56-Ba-134

MAT 5637

Total photon (eV-barns)
Cross Section

56-Ba-134
9999. To 9999. %

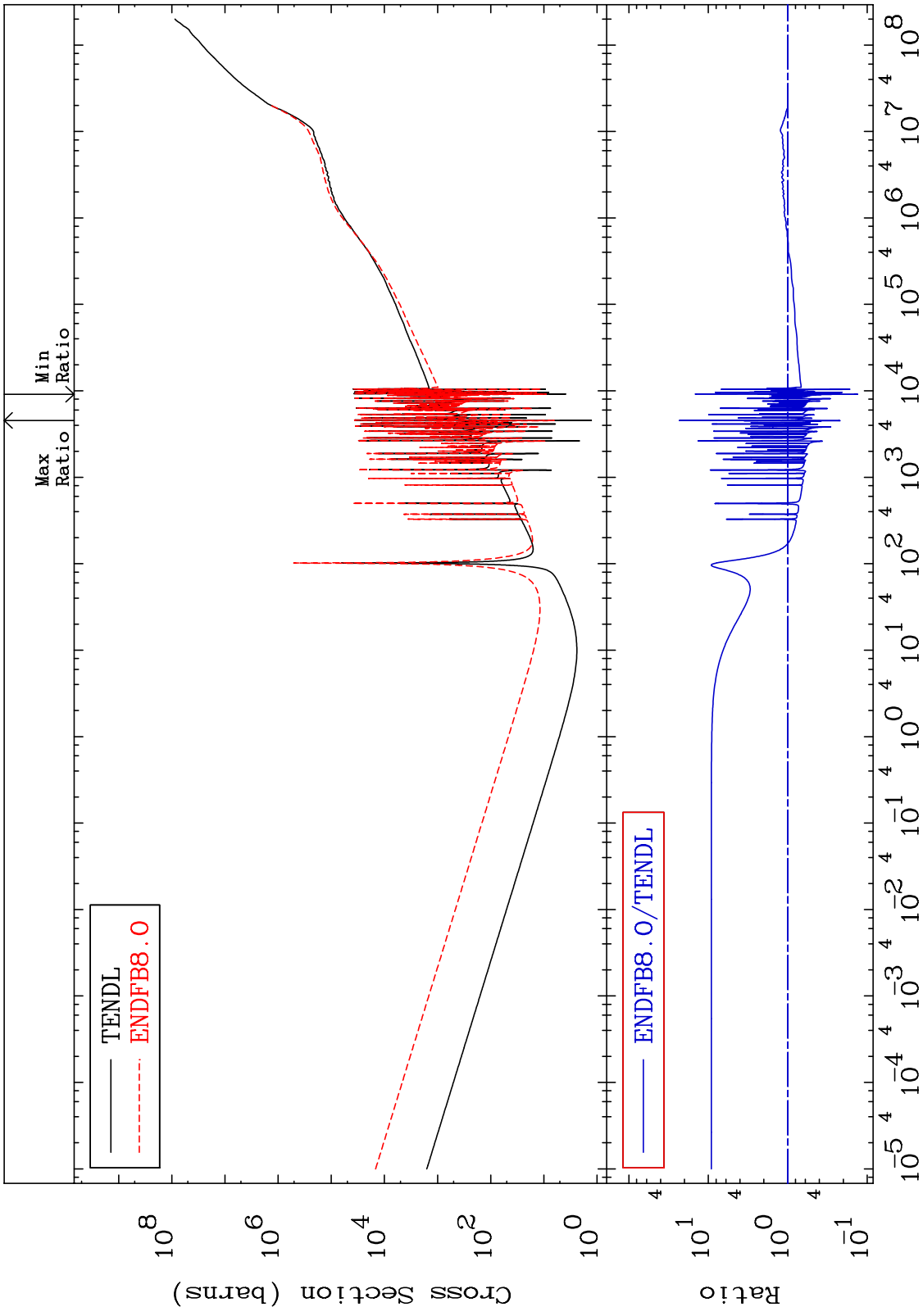


37

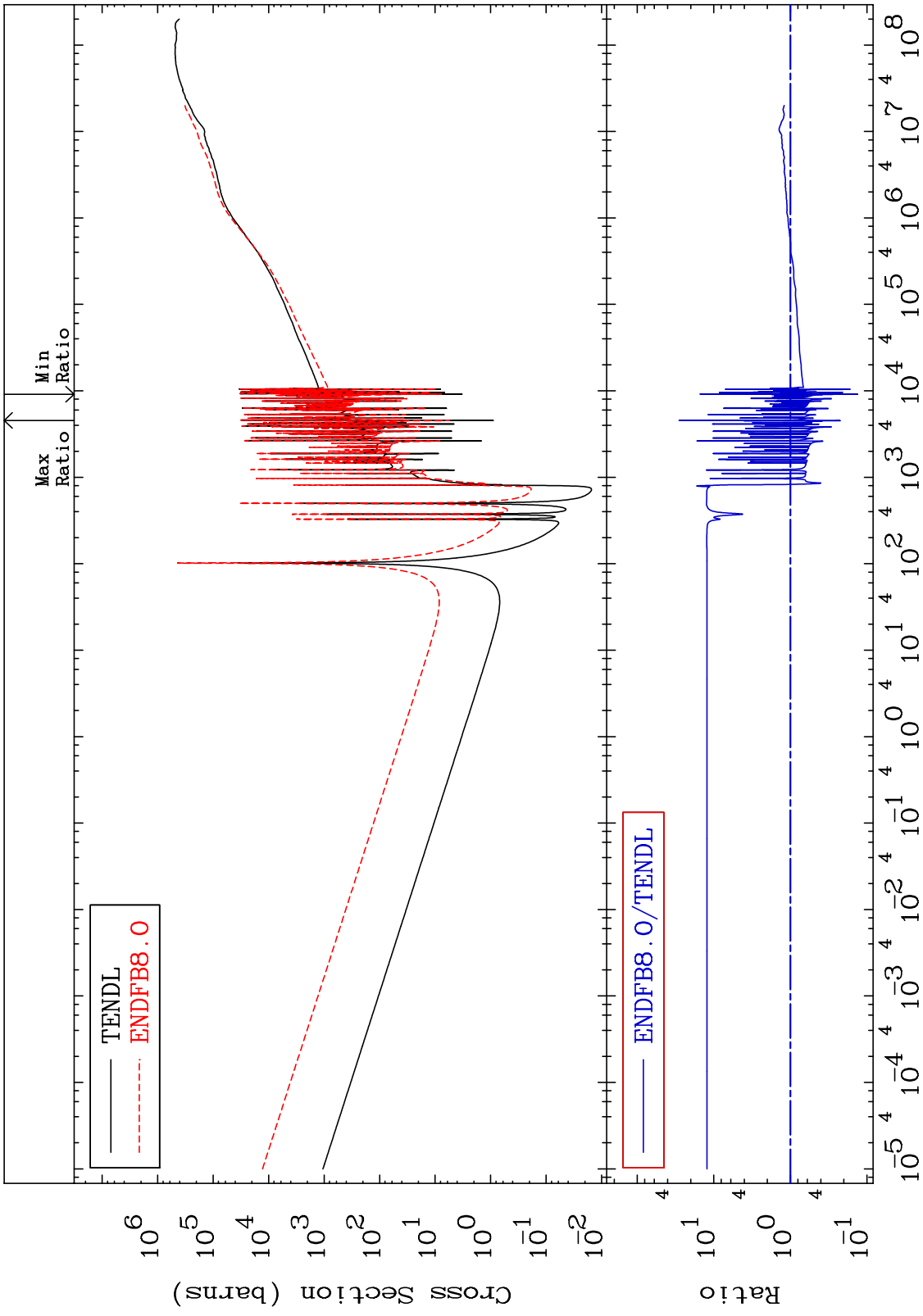
Incident Energy (eV)

56-Ba-134

MAT 5637 Total kinematic kerma (high limit) 56-Ba-134
 Cross Section -86.86 To 2239. %



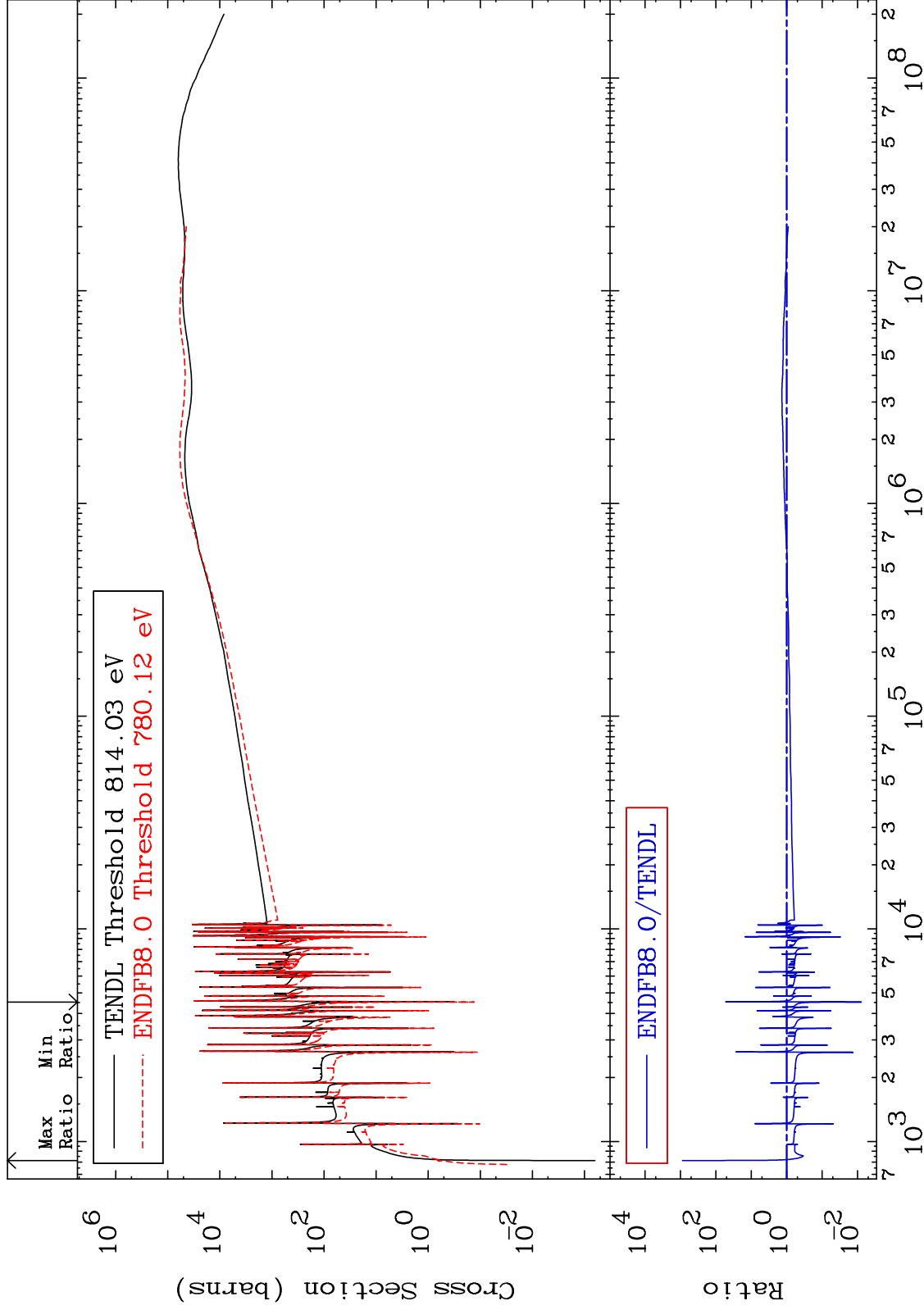
MAT 5637 Dpa total (eV-barns) 56-Ba-134
 Cross Section -86.85 To 2744. %



MAT 5637

Dpa elastic (mt2)
Cross Section

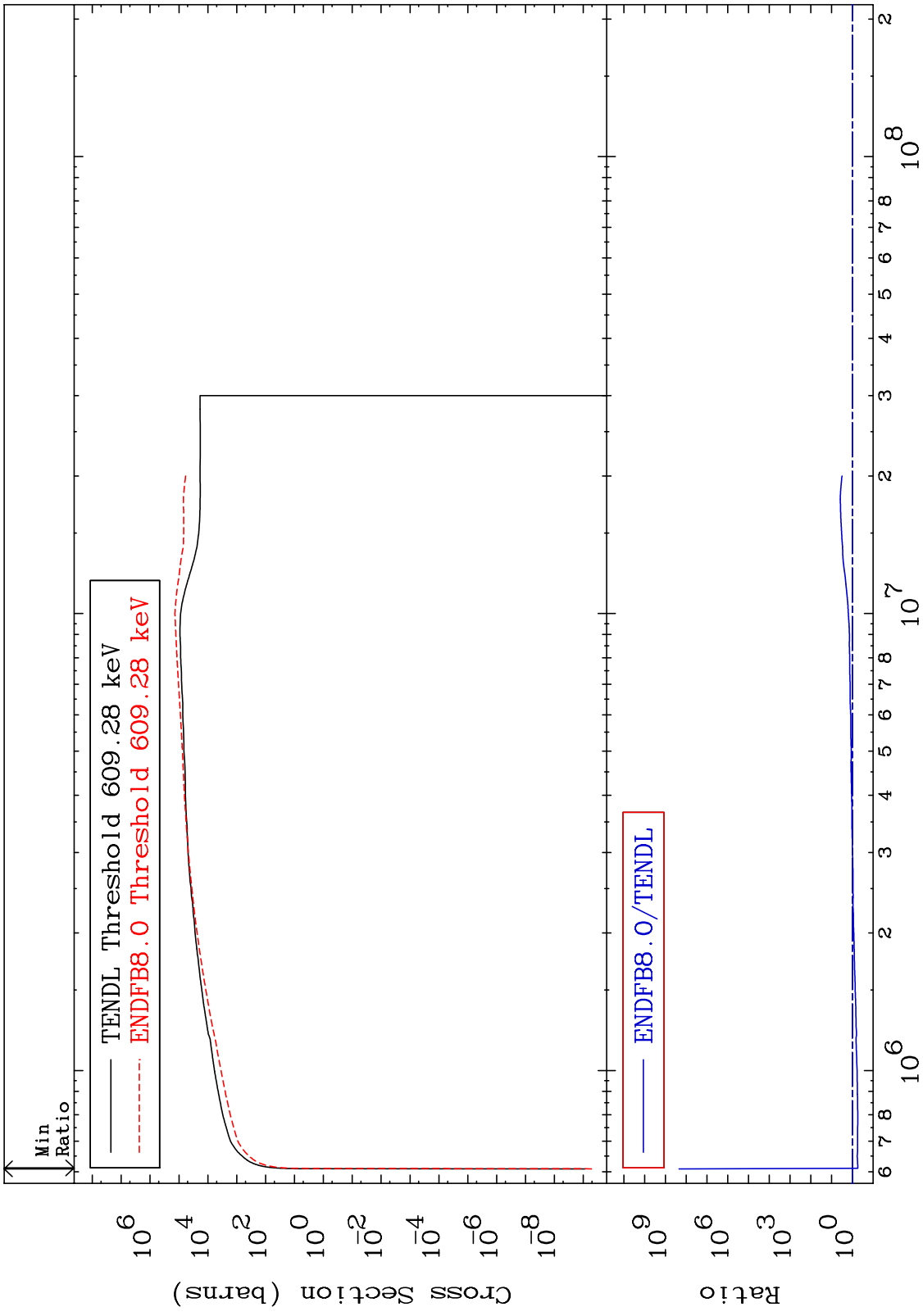
56-Ba-134
-99.22 To 9999. %



40

56-Ba-134

MAT 5637 Dpa inelastic (mt51-91) 56-Ba-134
 Cross Section -45.54 To 9999. %



MAT 5637 Dpa disappearance (mt102 -120) 56-Ba-134
 Cross Section -96.16 To 9999. %

