

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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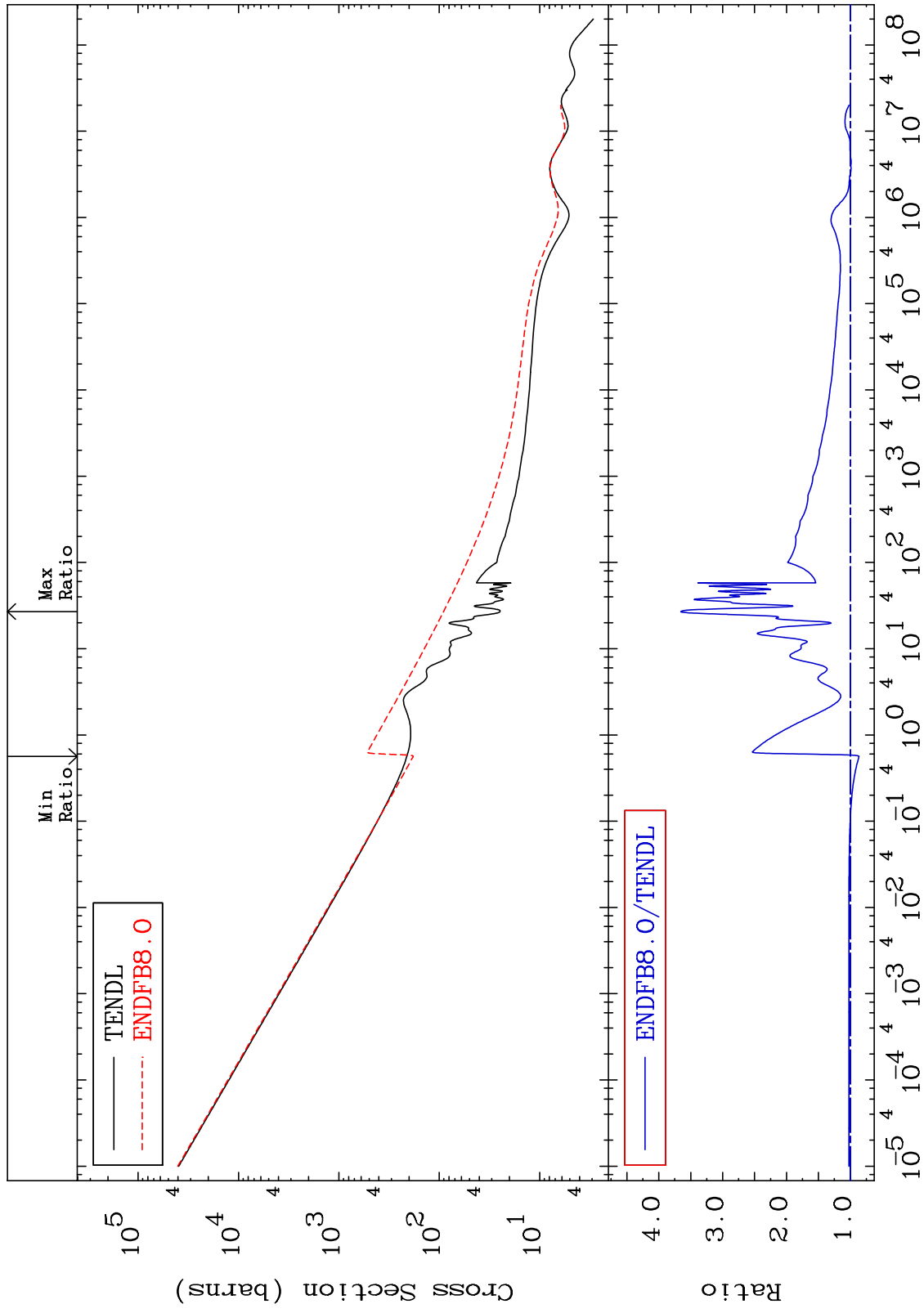
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8931

Total
Cross Section

89-Ac-227
-13.53 To 265.8 %

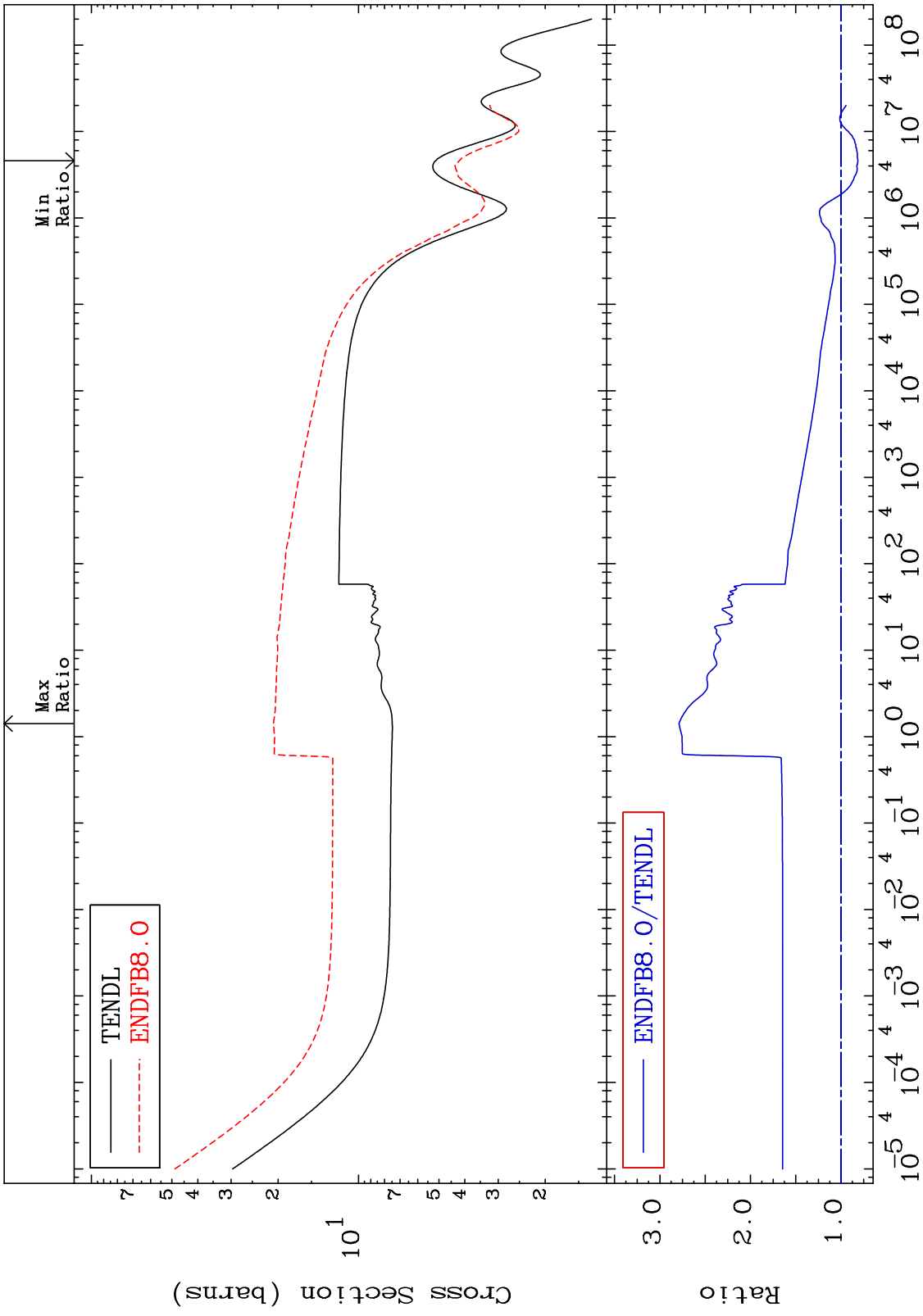


1

Incident Energy (eV)

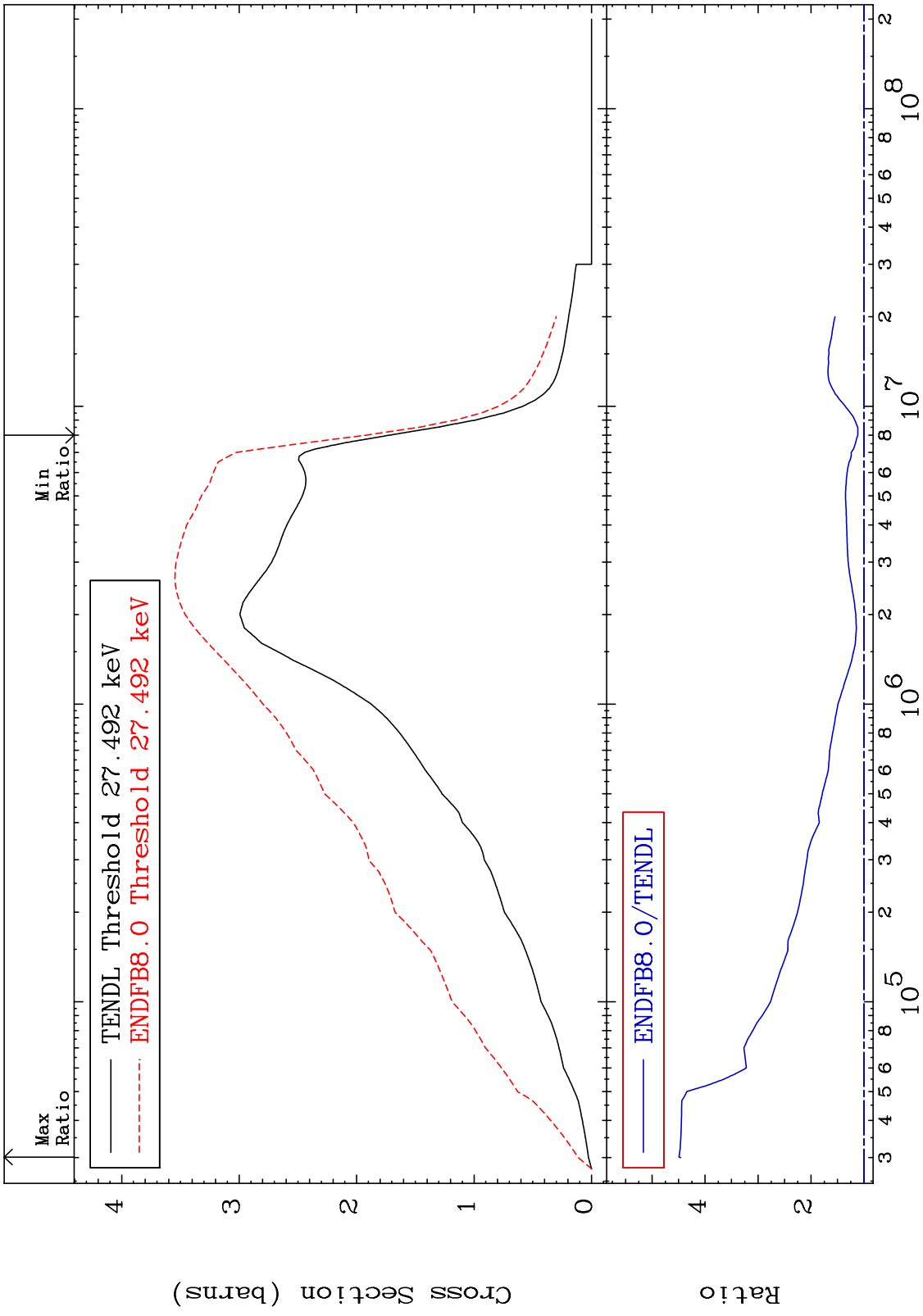
89-Ac-227

MAT 8931 Elastic Cross Section 89-Ac-227 -18.52 To 178.9 %



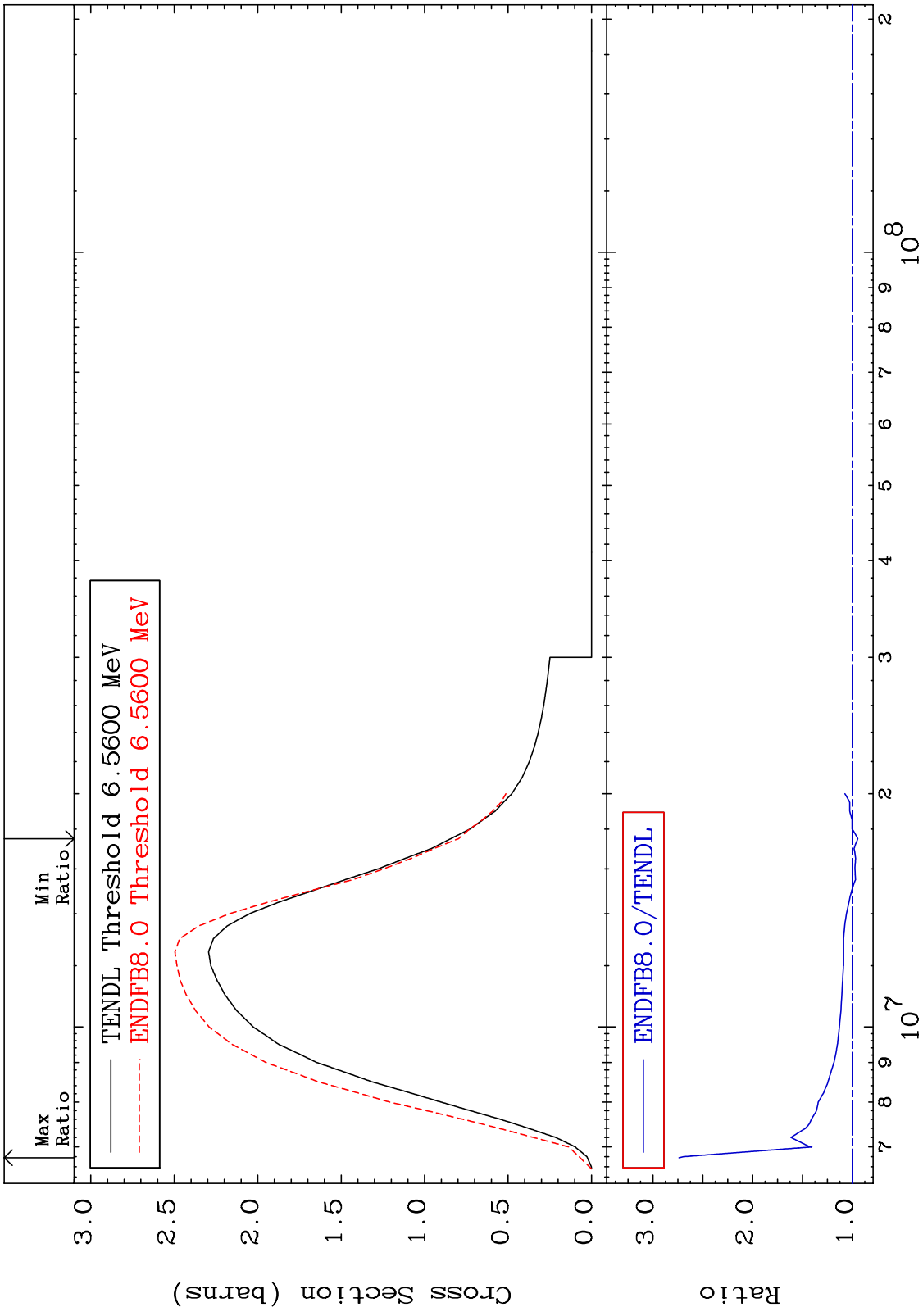
2 89-Ac-227

MAT 8931 Inelastic Cross Section 89-Ac-227 11.57 To 349.1 %



3

MAT 8931 (n,2n) Cross Section 89-Ac-227 -5.480 To 173.8 %



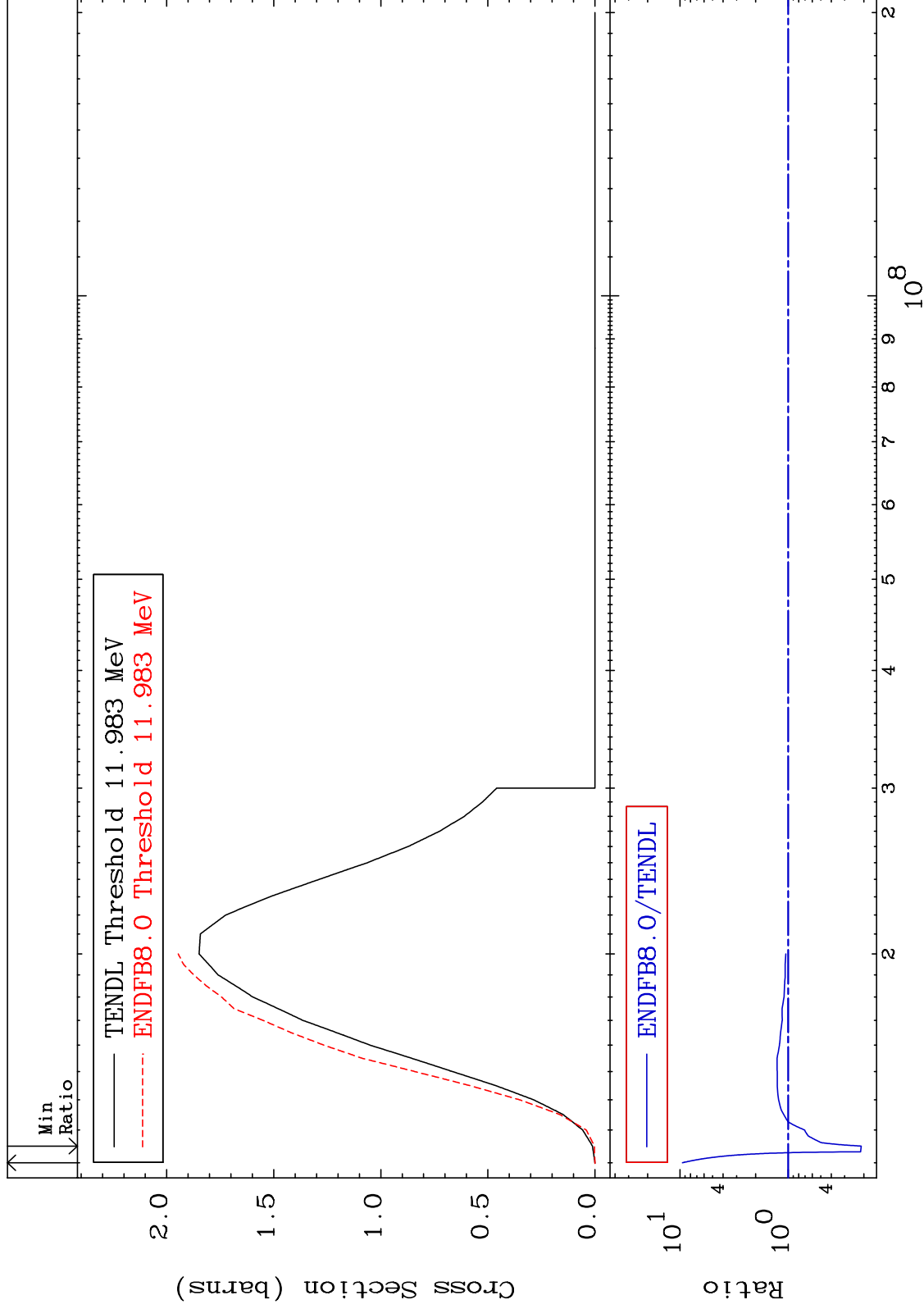
MAT 8931

(n,3n)

89-Ac-227

Cross Section

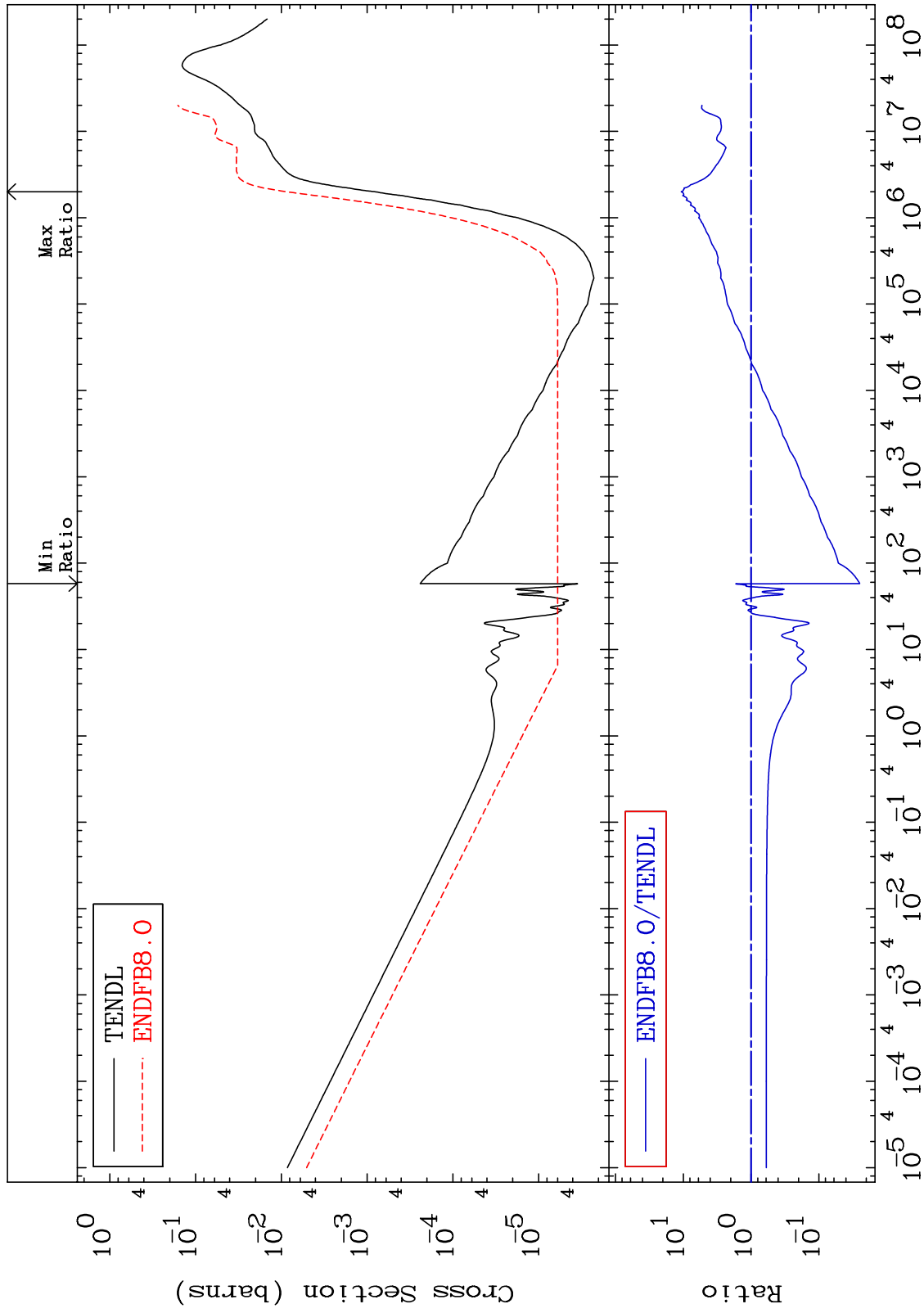
-78.92 To 850.8 %



MAT 8931

Fission
Cross Section

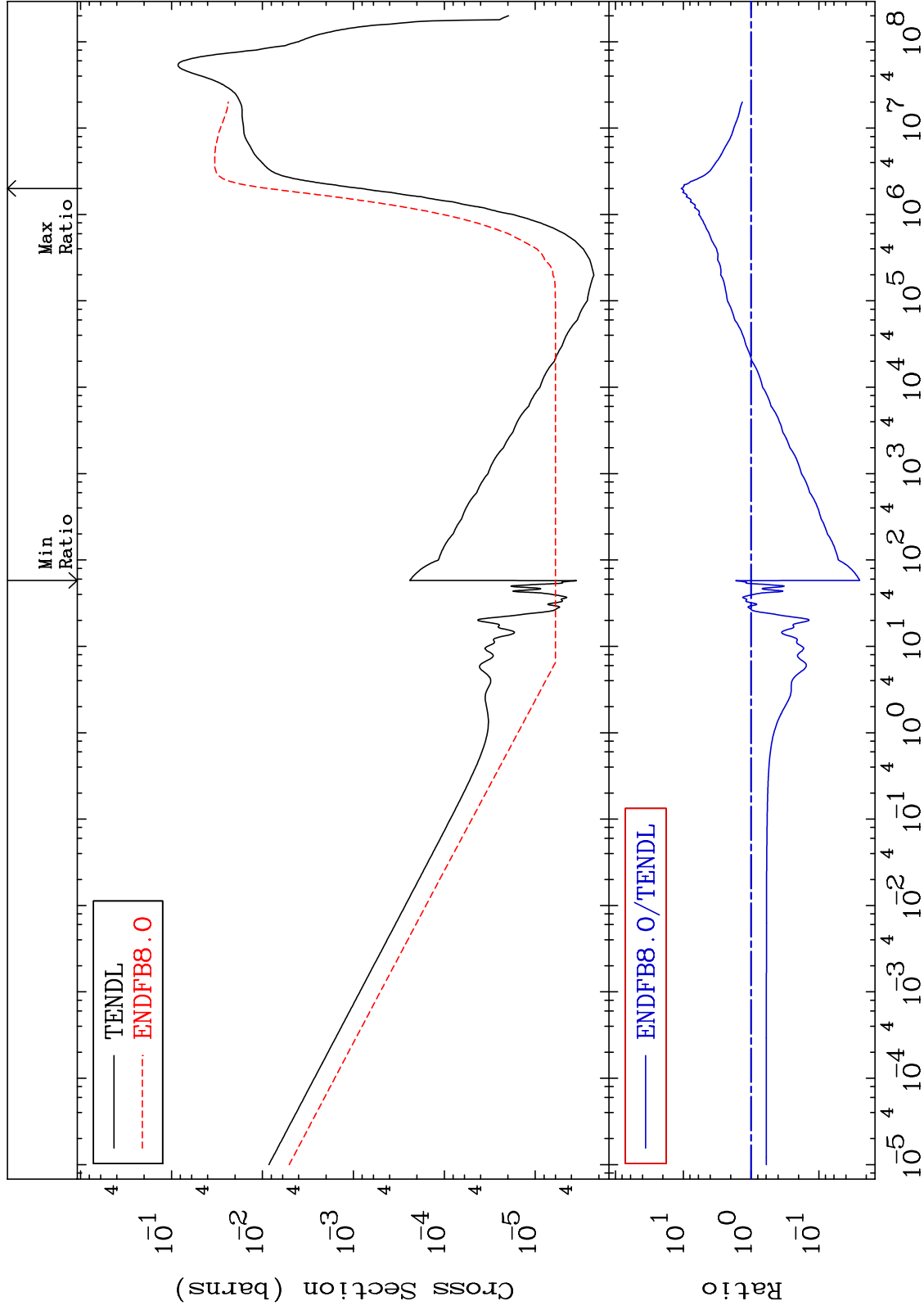
89-Ac-227
-97.50 To 971.9 %



MAT 8931

(n,f) First Chance
Cross Section

89-Ac-227
-97.50 To 971.9 %



7

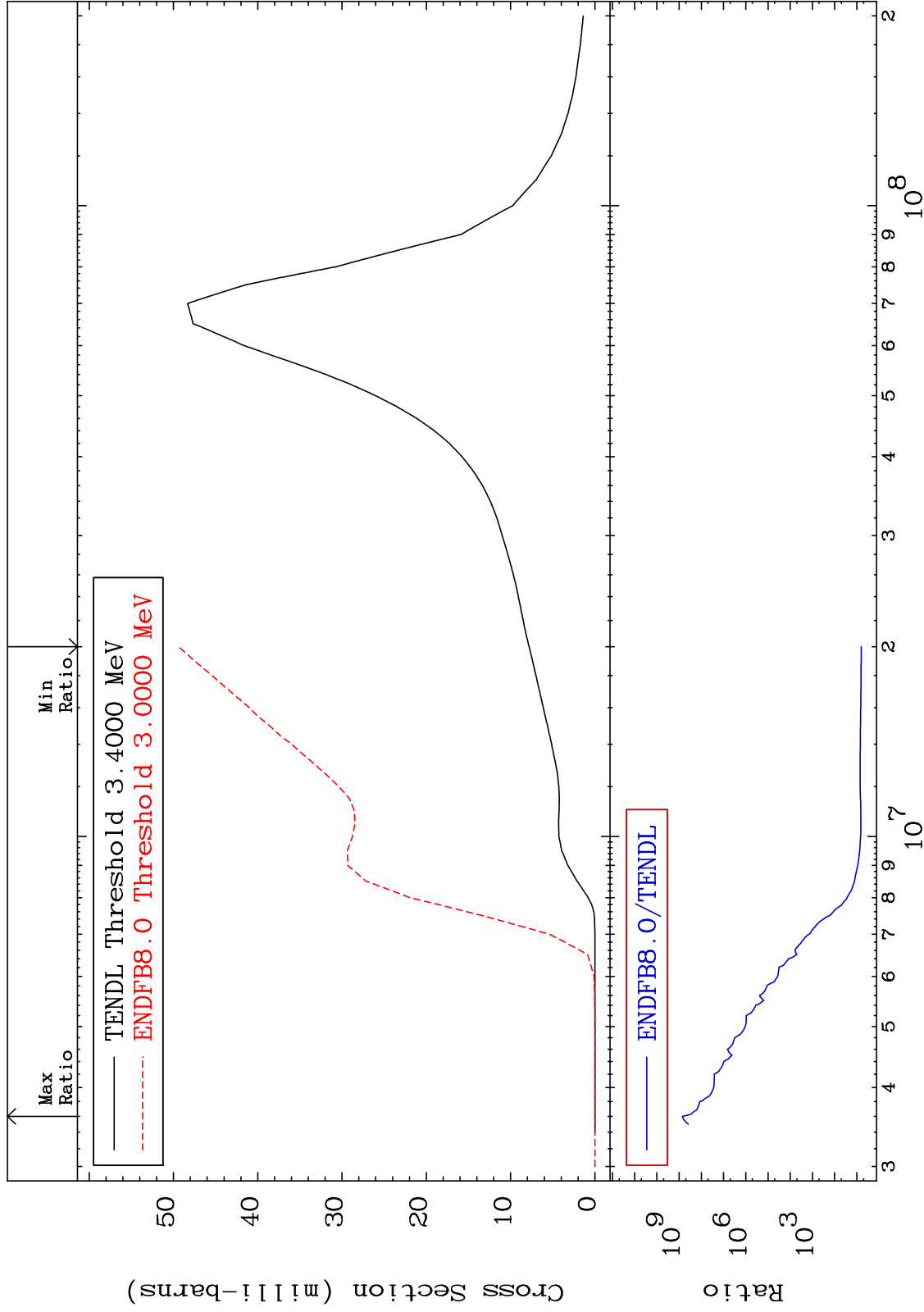
Incident Energy (eV)

89-Ac-227

MAT 8931

(n,nf) Second Chance
Cross Section

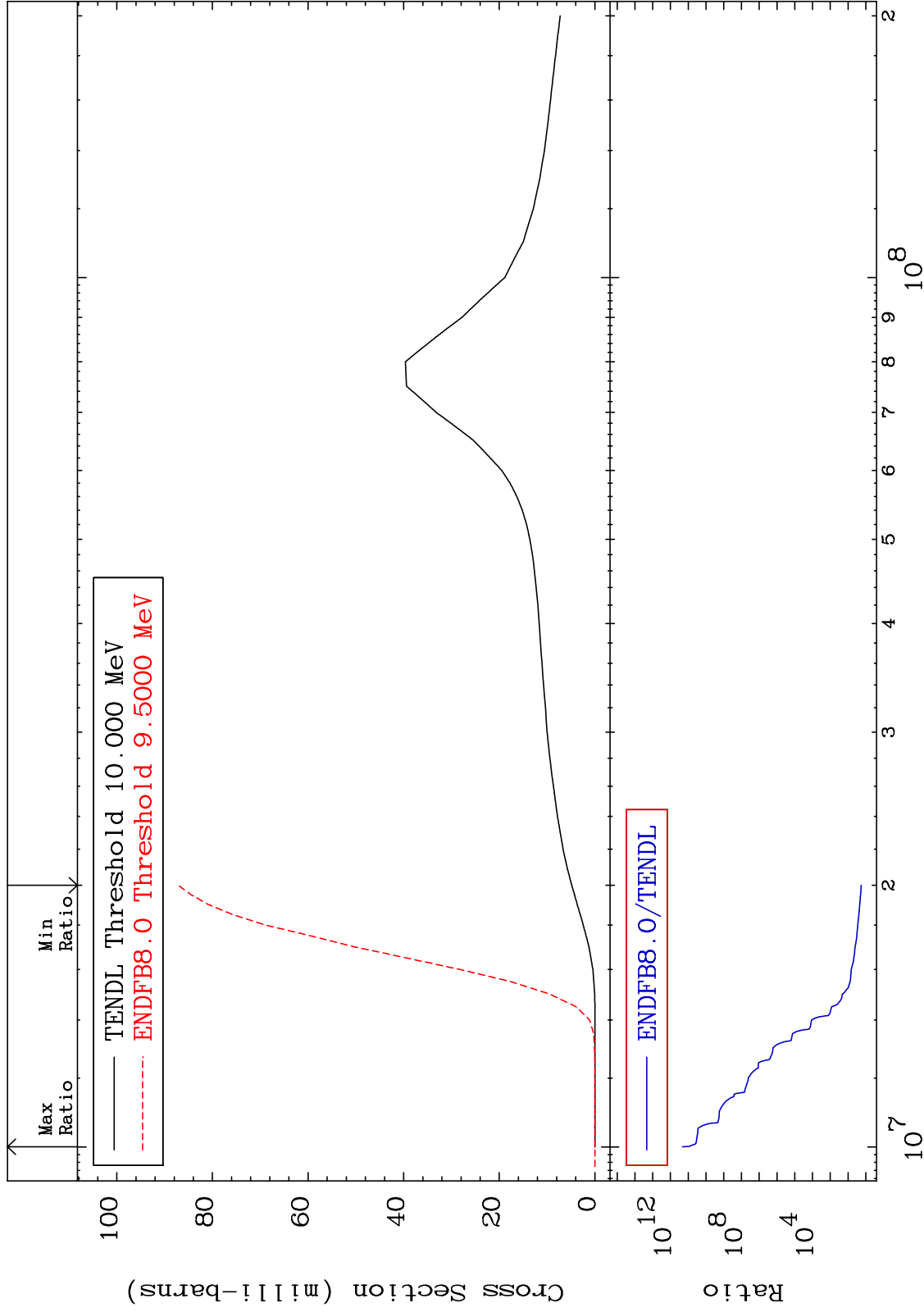
89-Ac-227
532.6 To 9999. %



MAT 8931

(n,2nf) Third Chance
Cross Section

89-Ac-227
1696. To 9999. %



Incident Energy (eV)

89-Ac-227

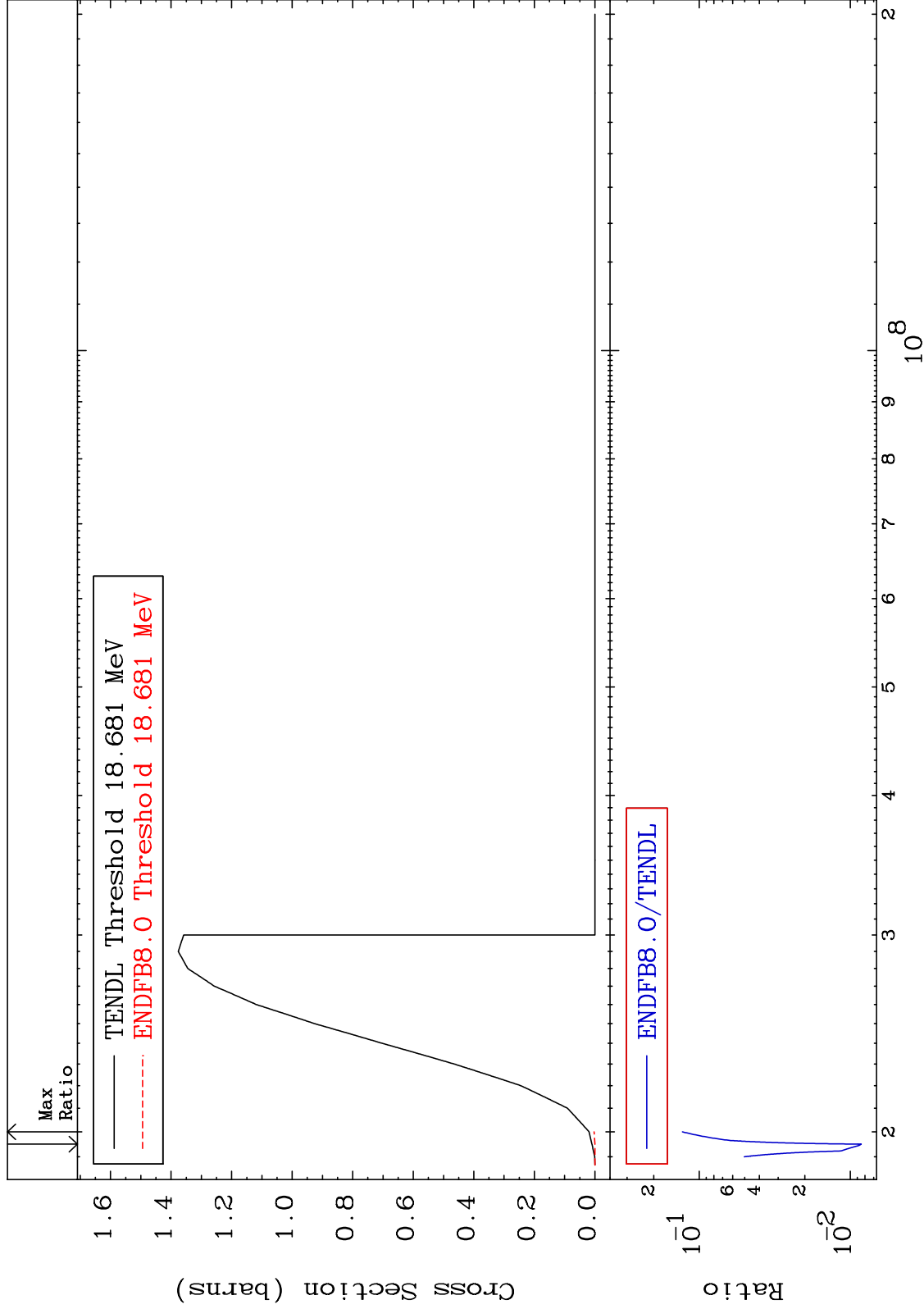
MAT 8931

(n,4n)

89-Ac-227

Cross Section

-99.15 To -87.09%



10

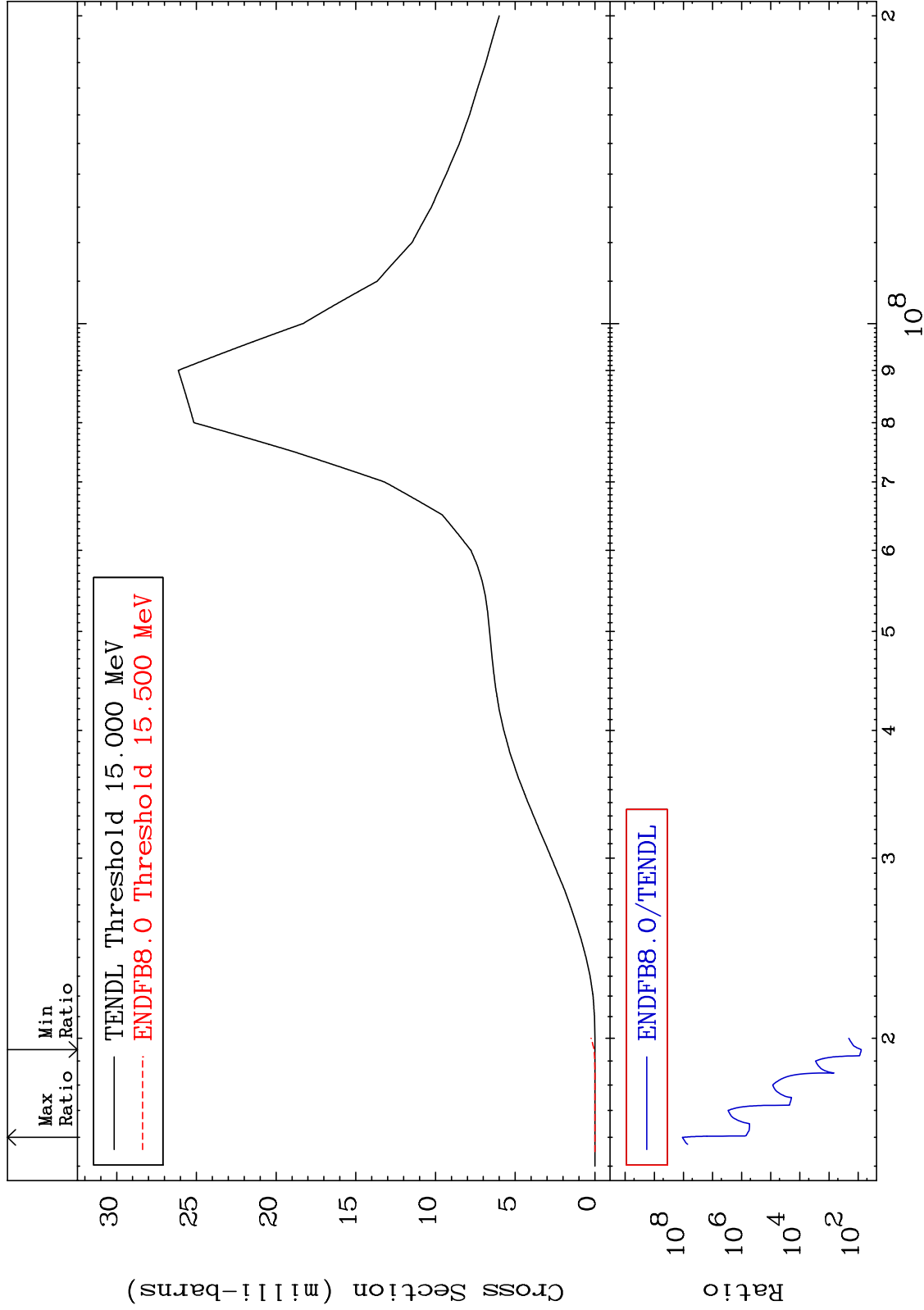
Incident Energy (eV)

89-Ac-227

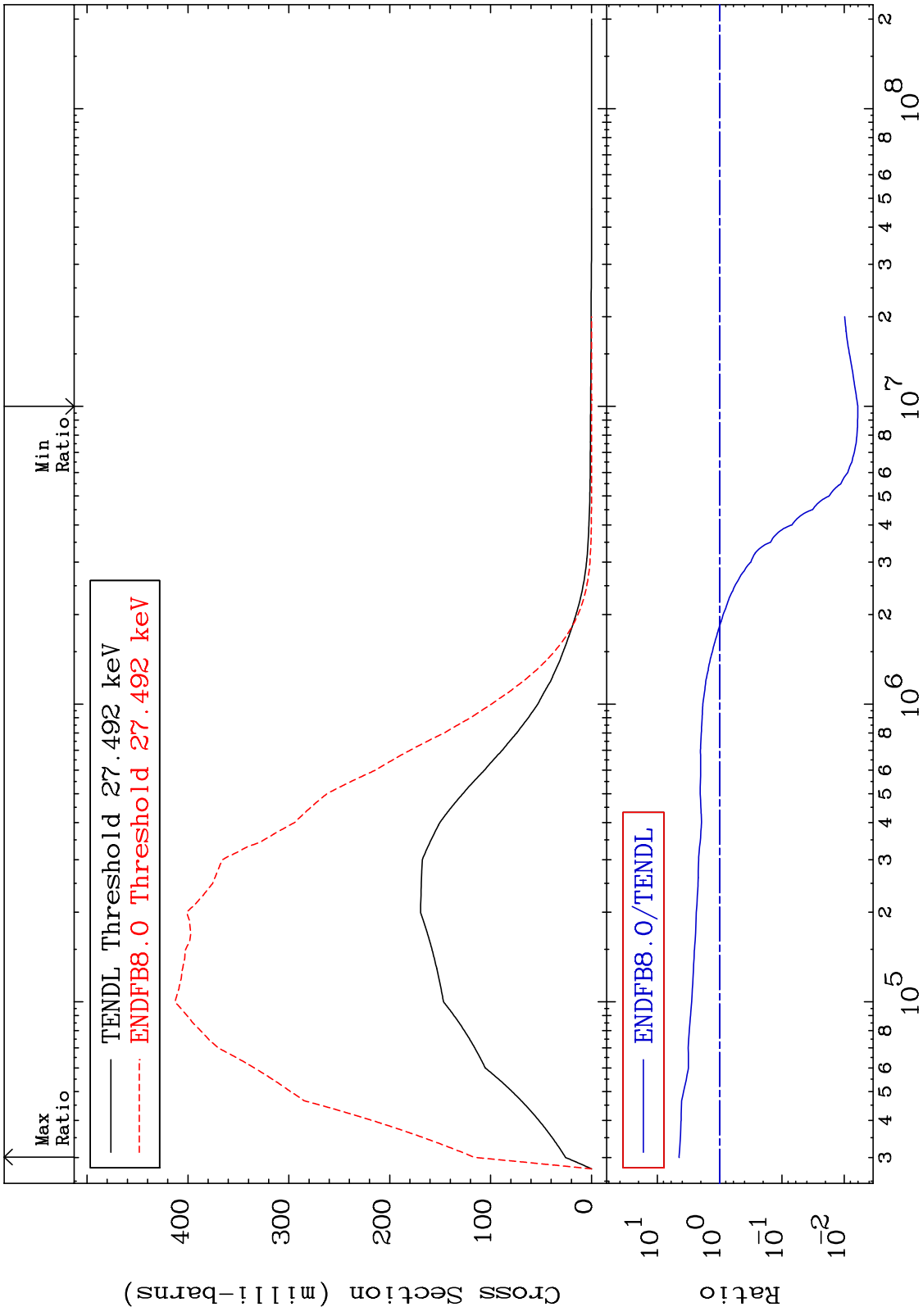
MAT 8931

(n,3nf) Fourth Chance
Cross Section

89-Ac-227
7697. To 9999. %



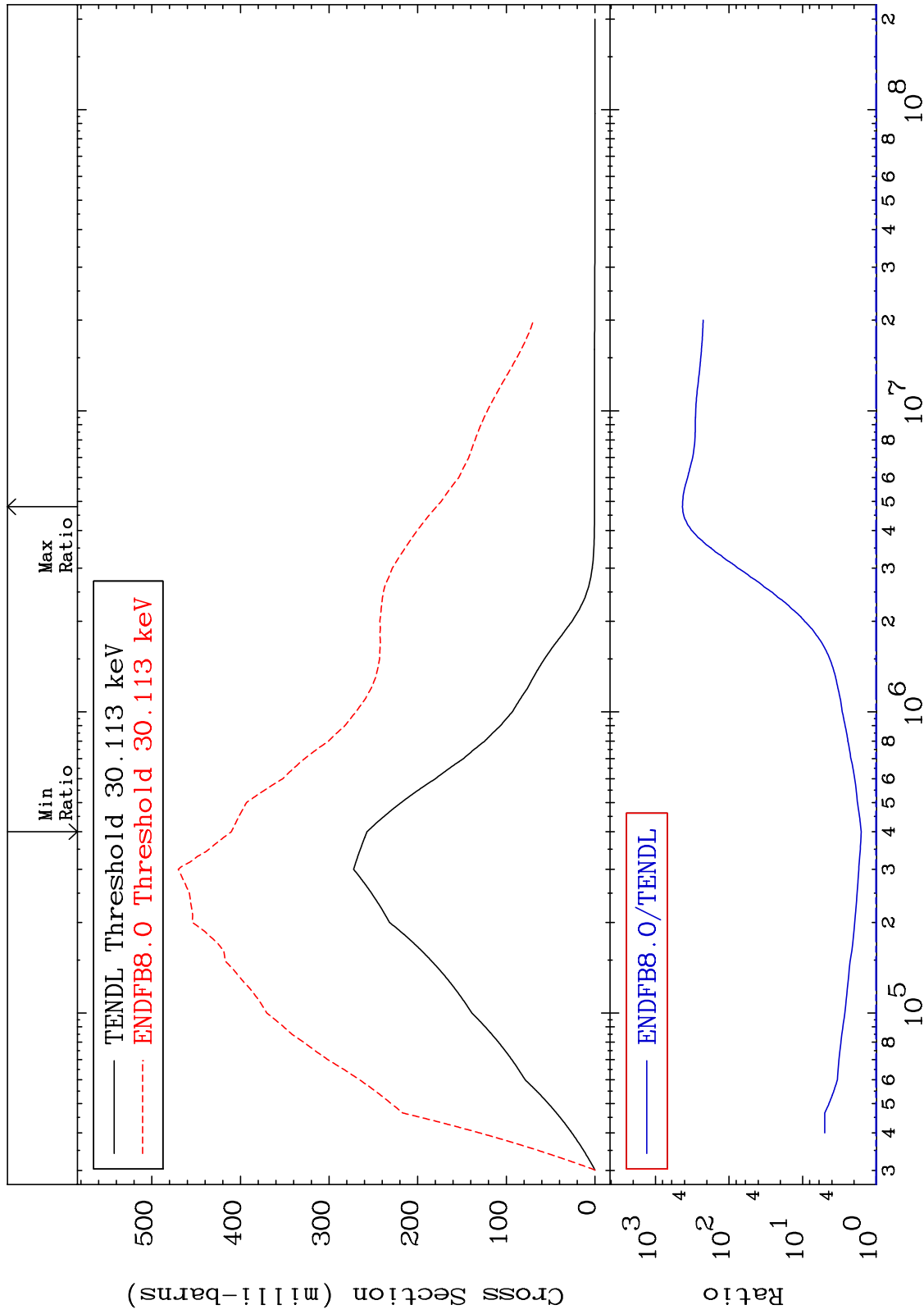
MAT 8931 MT= 51 (n,n') Level Cross Section 89-Ac-227 -99.39 To 349.1 %



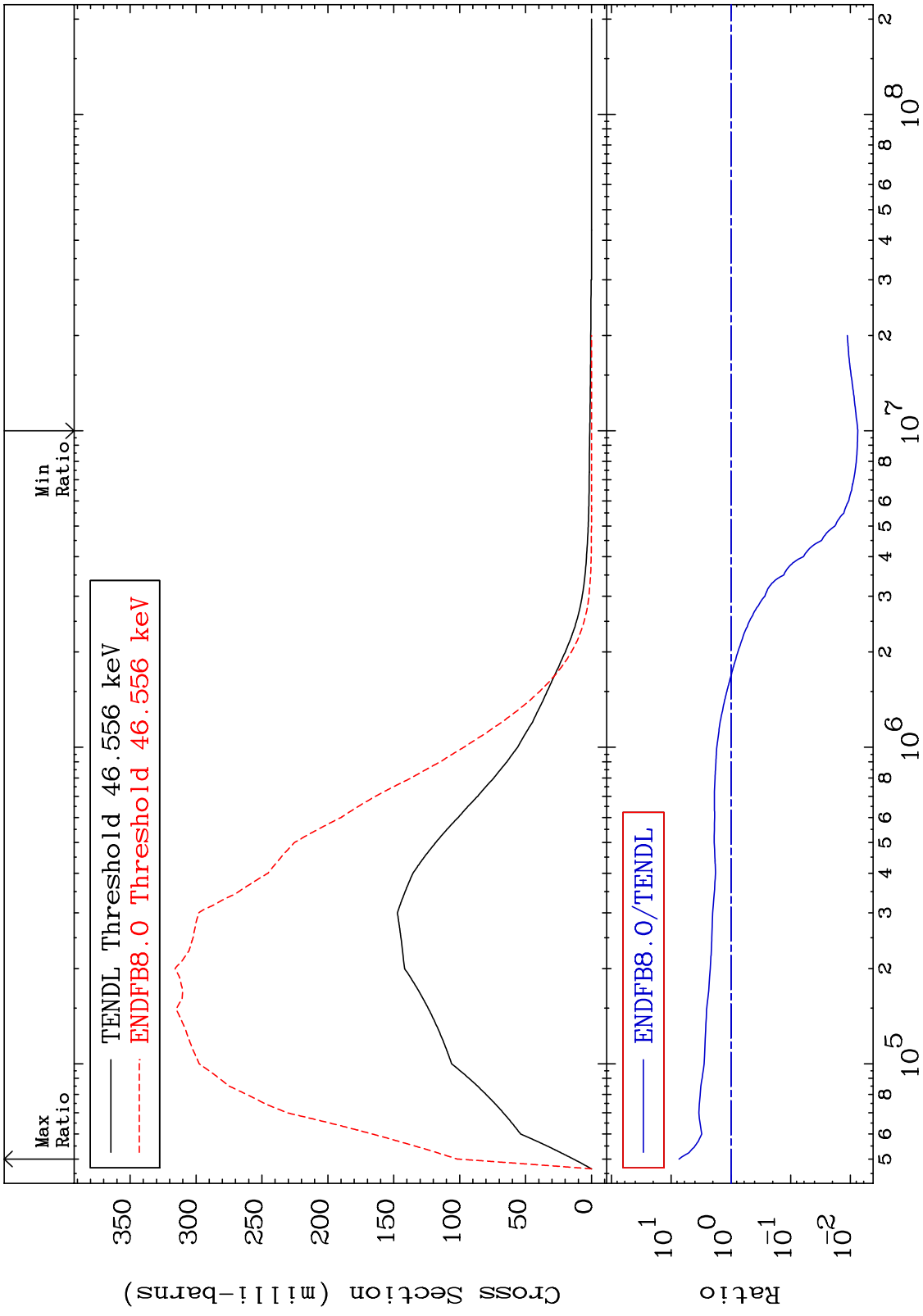
MAT 8931

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

59.50 89-Ac-227
To 9999. %



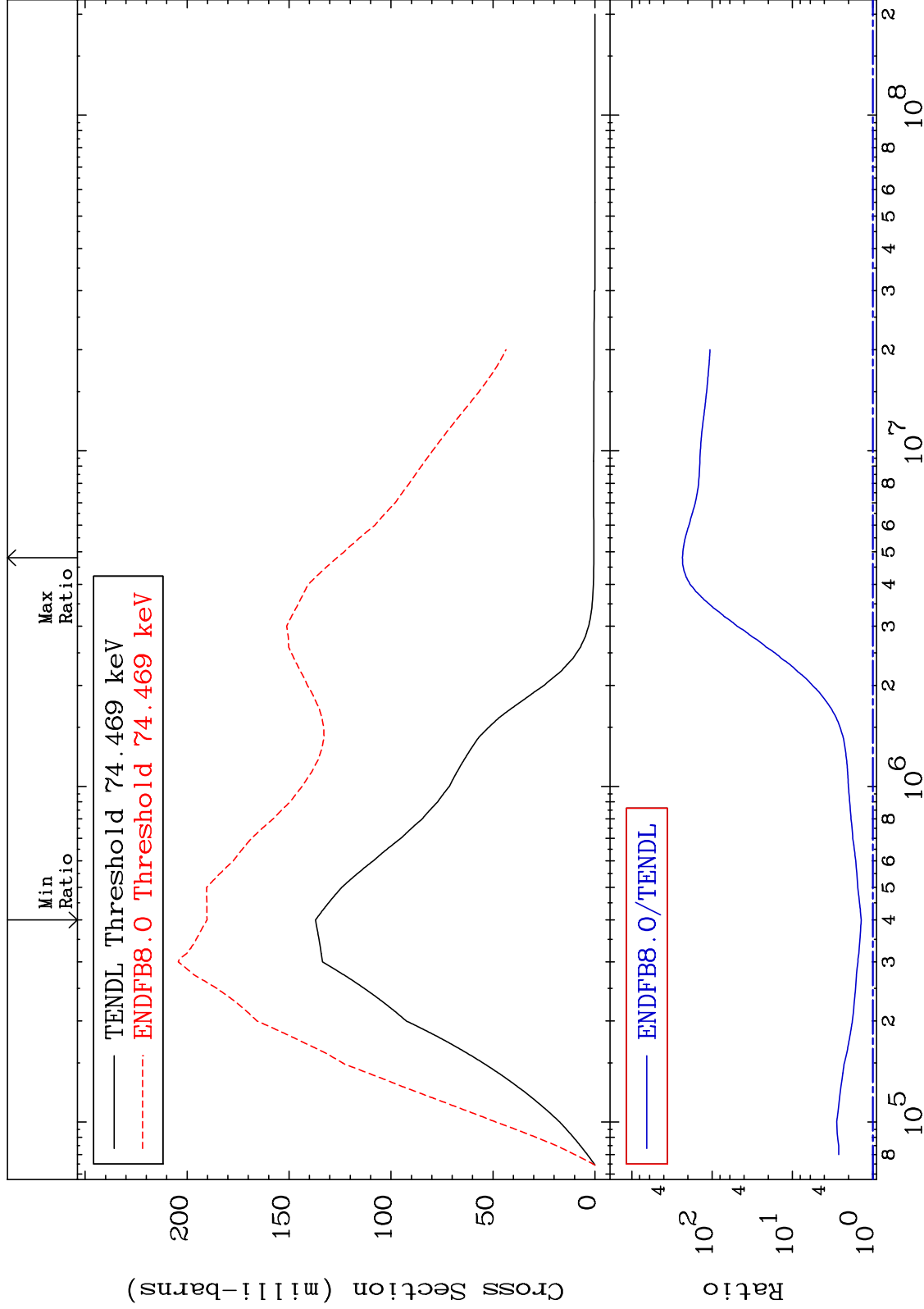
MAT 8931 MT= 53 (n,n') Level Cross Section 89-Ac-227 -99.25 To 638.4 %



MAT 8931

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

38.84 To 9999. %
89-Ac-227



15

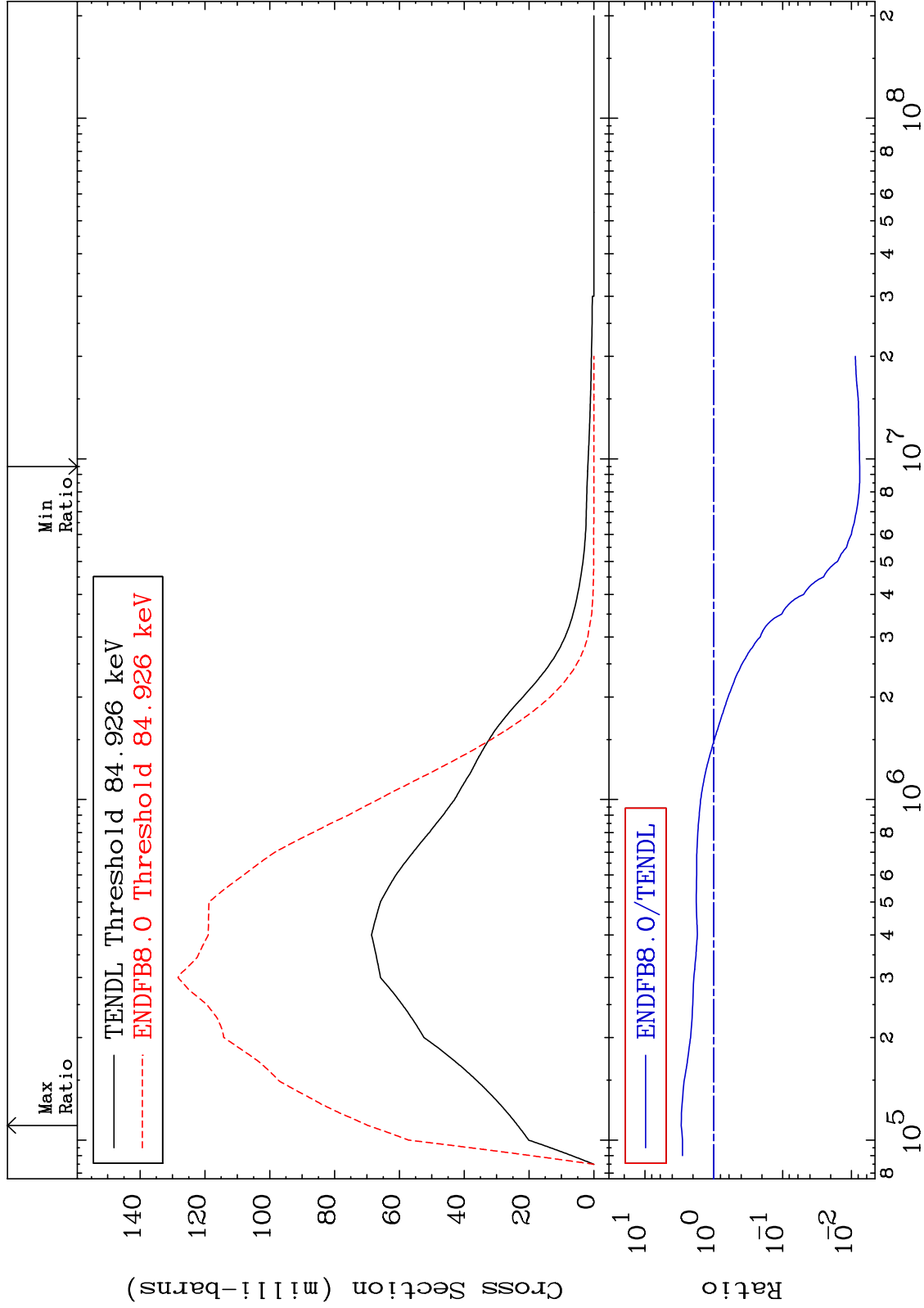
Incident Energy (eV)

89-Ac-227

MAT 8931

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

89-Ac-227
-99.24 To 196.9 %



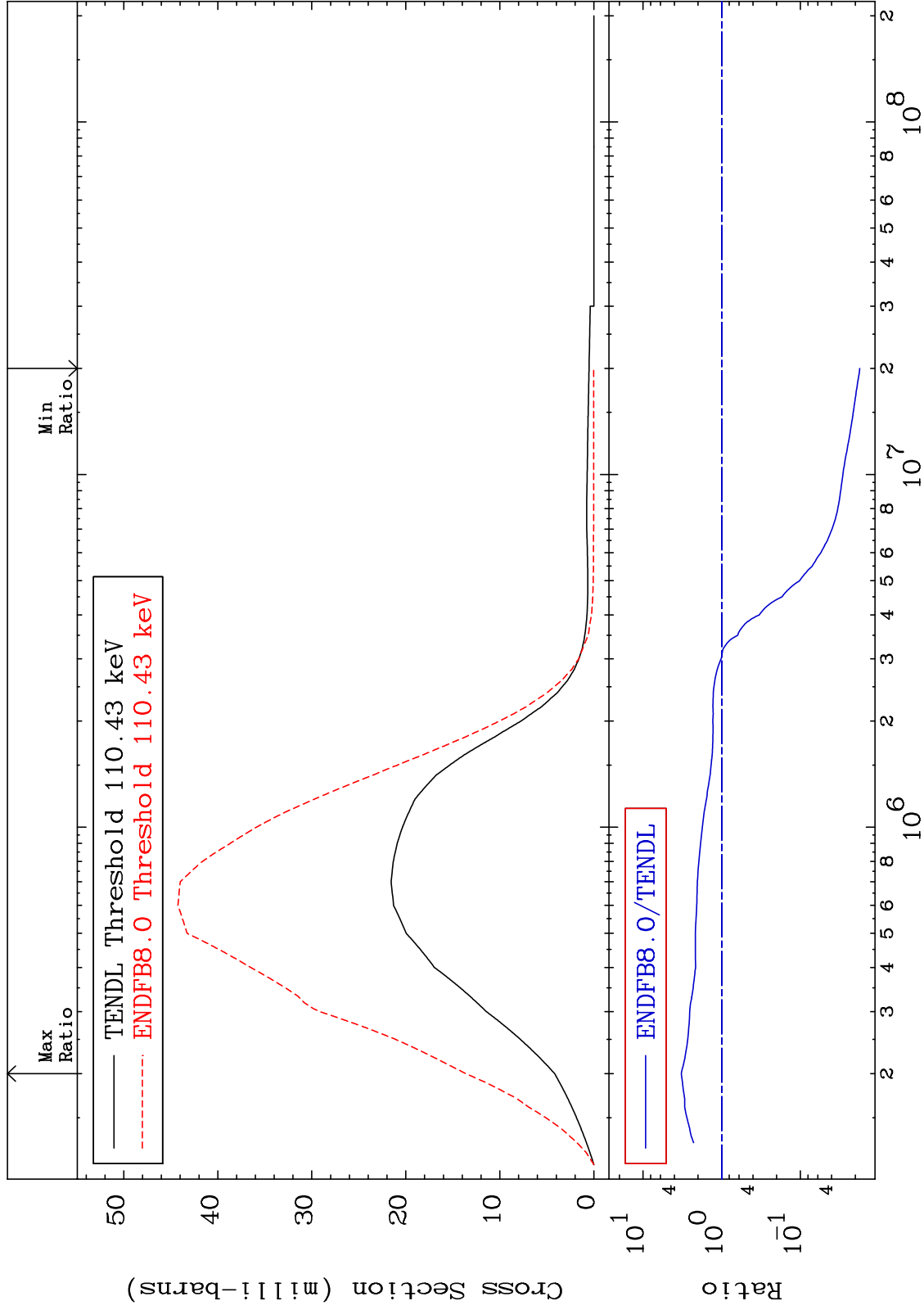
16

89-Ac-227

MAT 8931

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

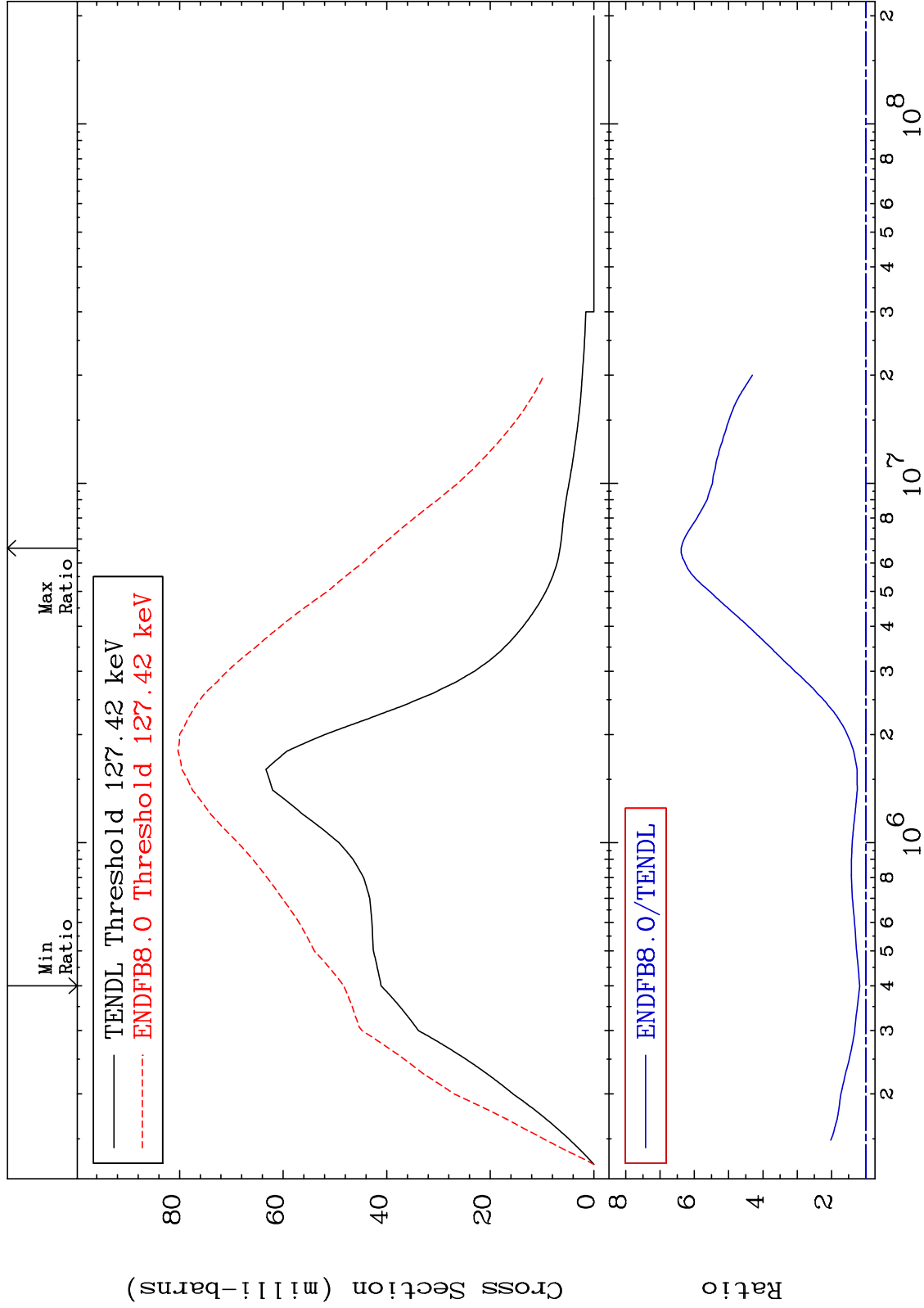
89-Ac-227
-98.25 To 226.7 %



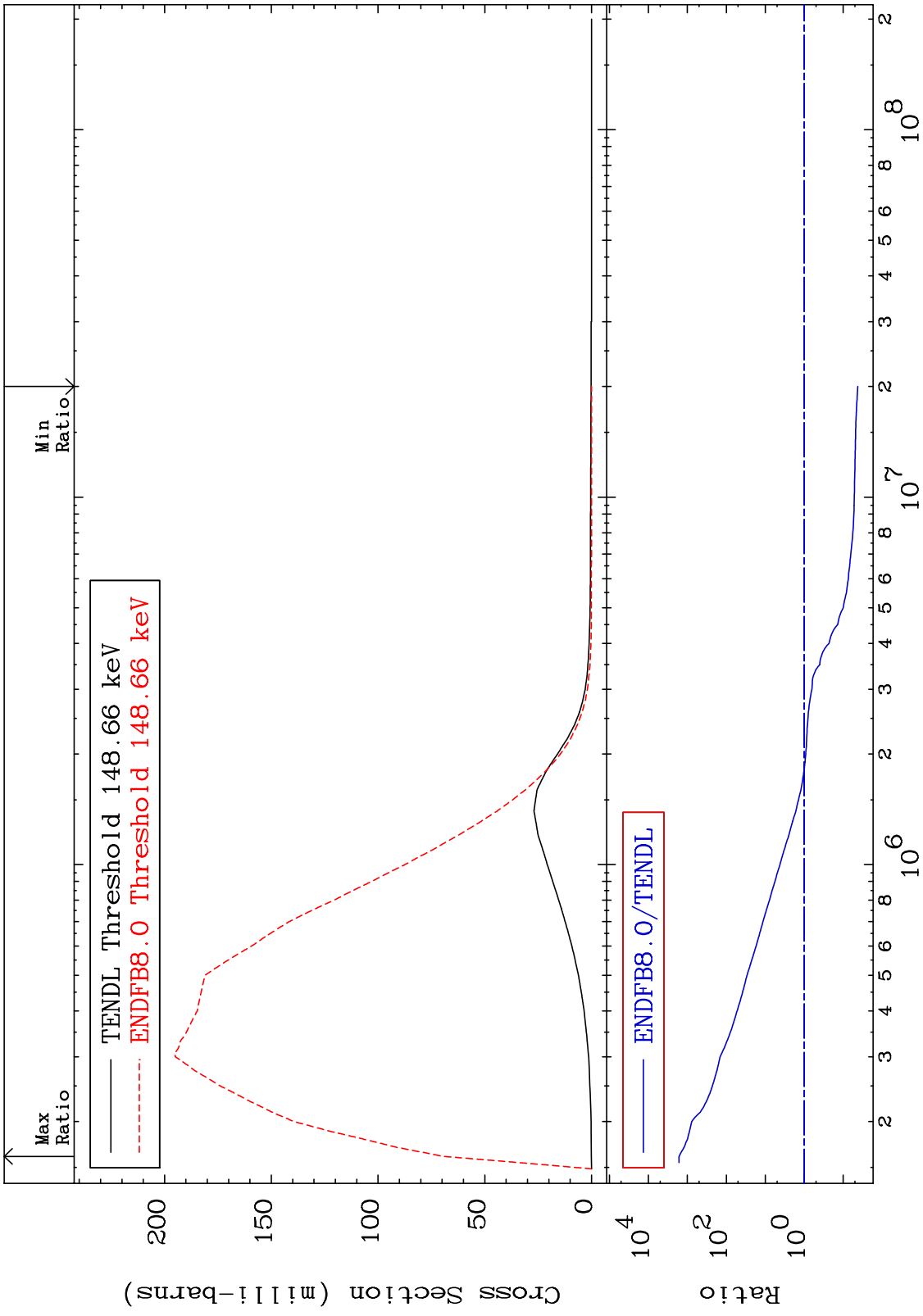
MAT 8931

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

17.58 89-Ac-227
To 538.2 %



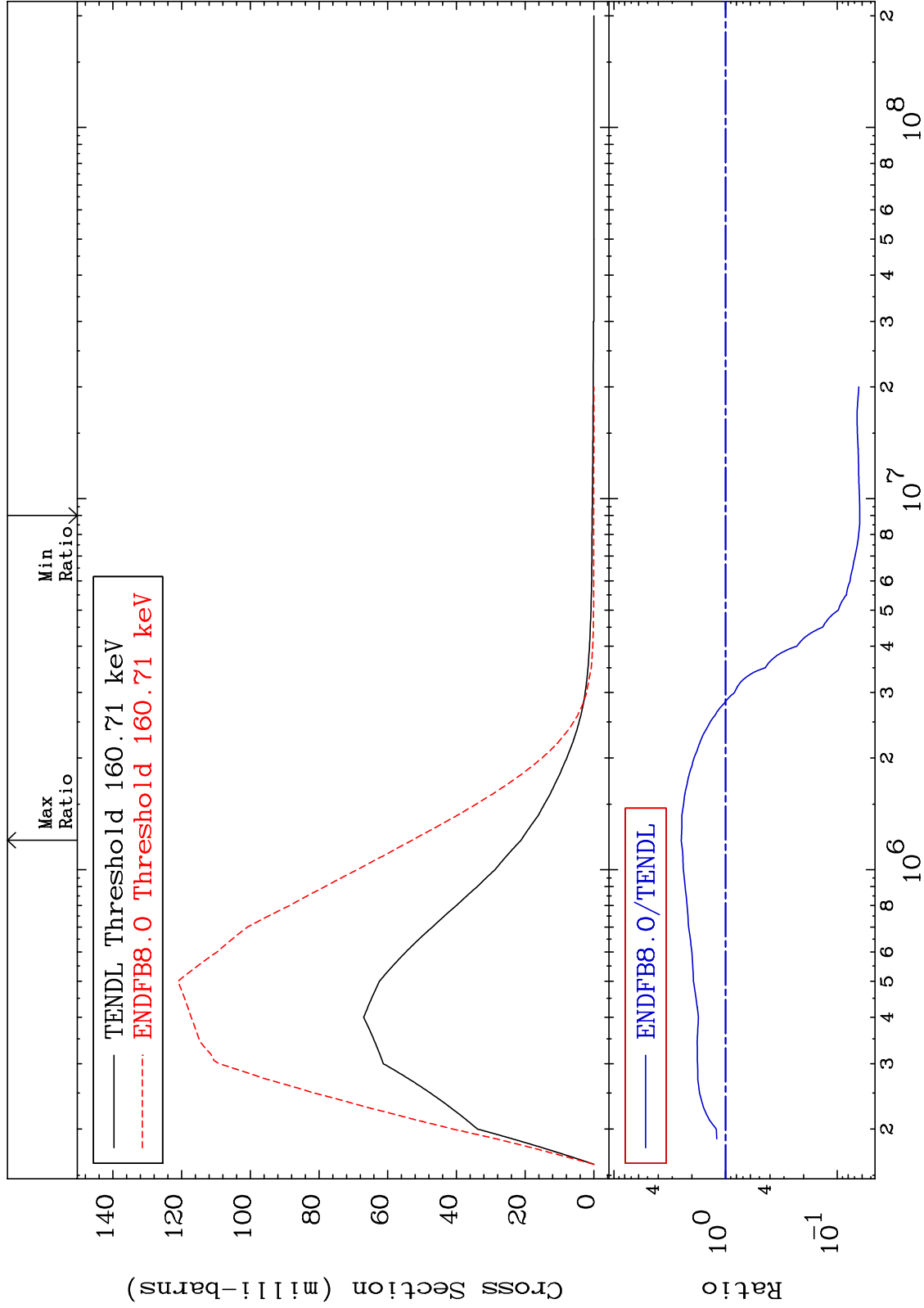
MAT 8931 MT= 58 (n,n') Level Cross Section 89-Ac-227
 -95.78 To 9999. %



MAT 8931

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

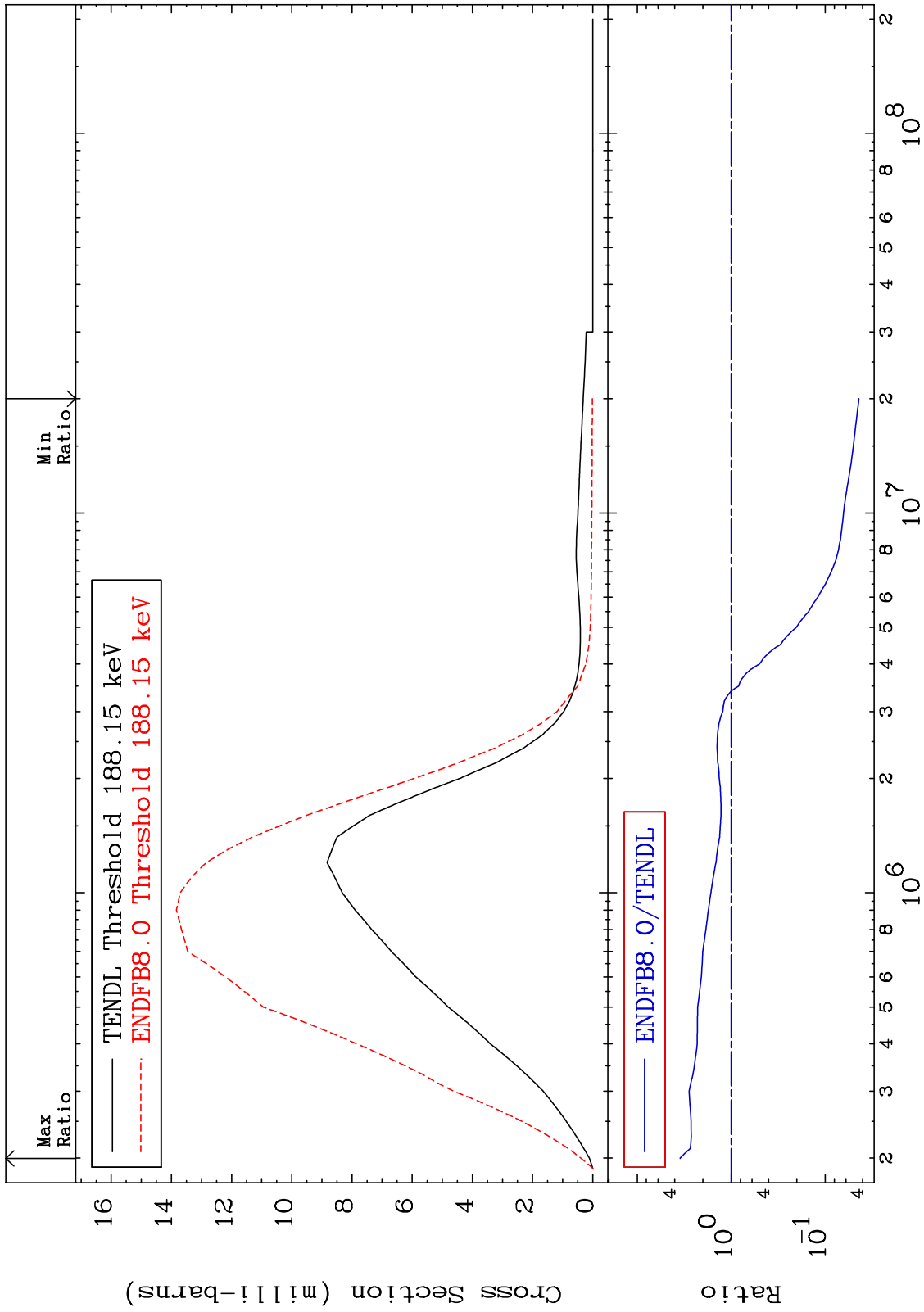
89-Ac-227
-93.71 To 149.5 %



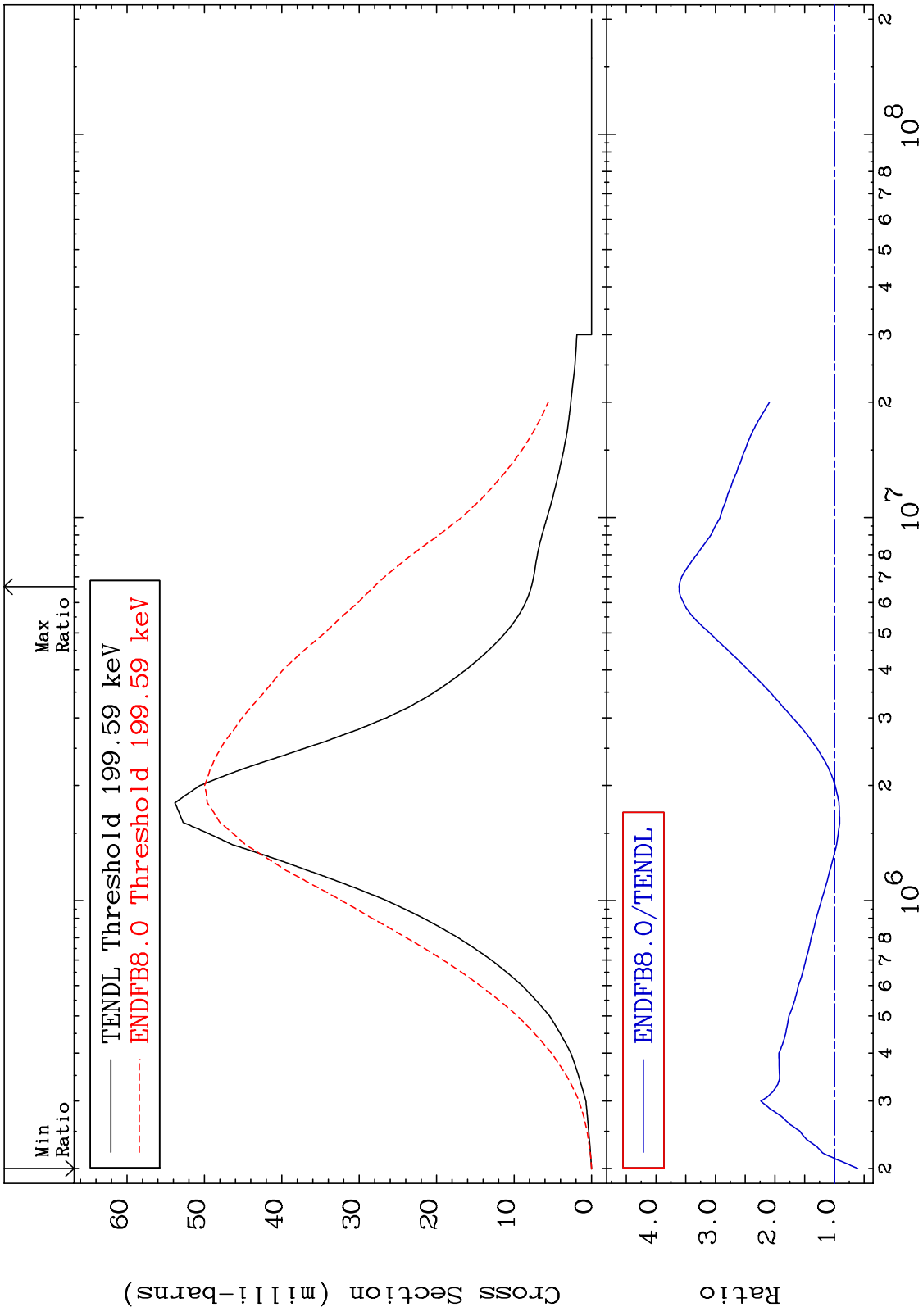
20

89-Ac-227

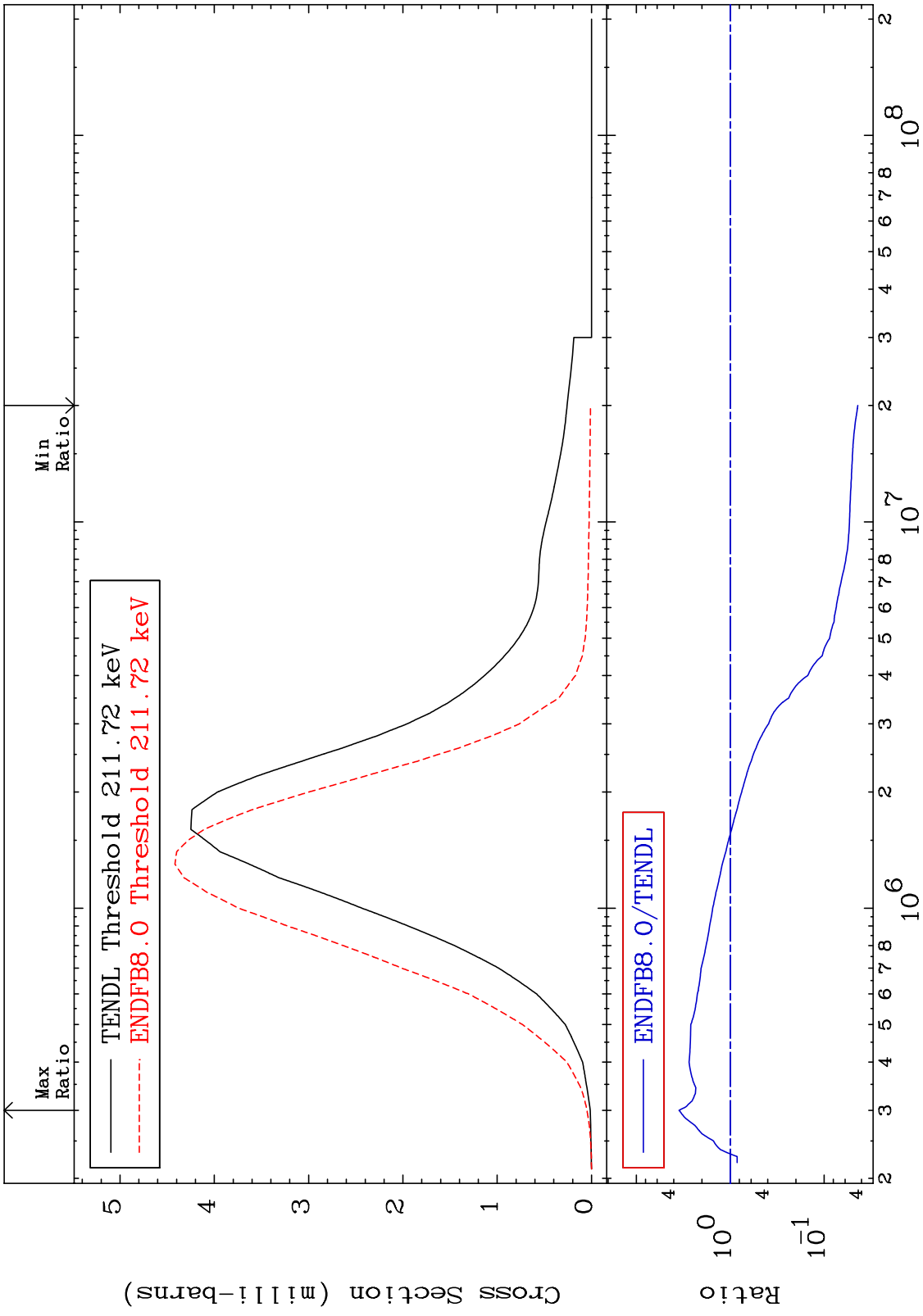
MAT 8931 MT= 60 (n,n') Level Cross Section 89-Ac-227 -95.62 To 249.1 %



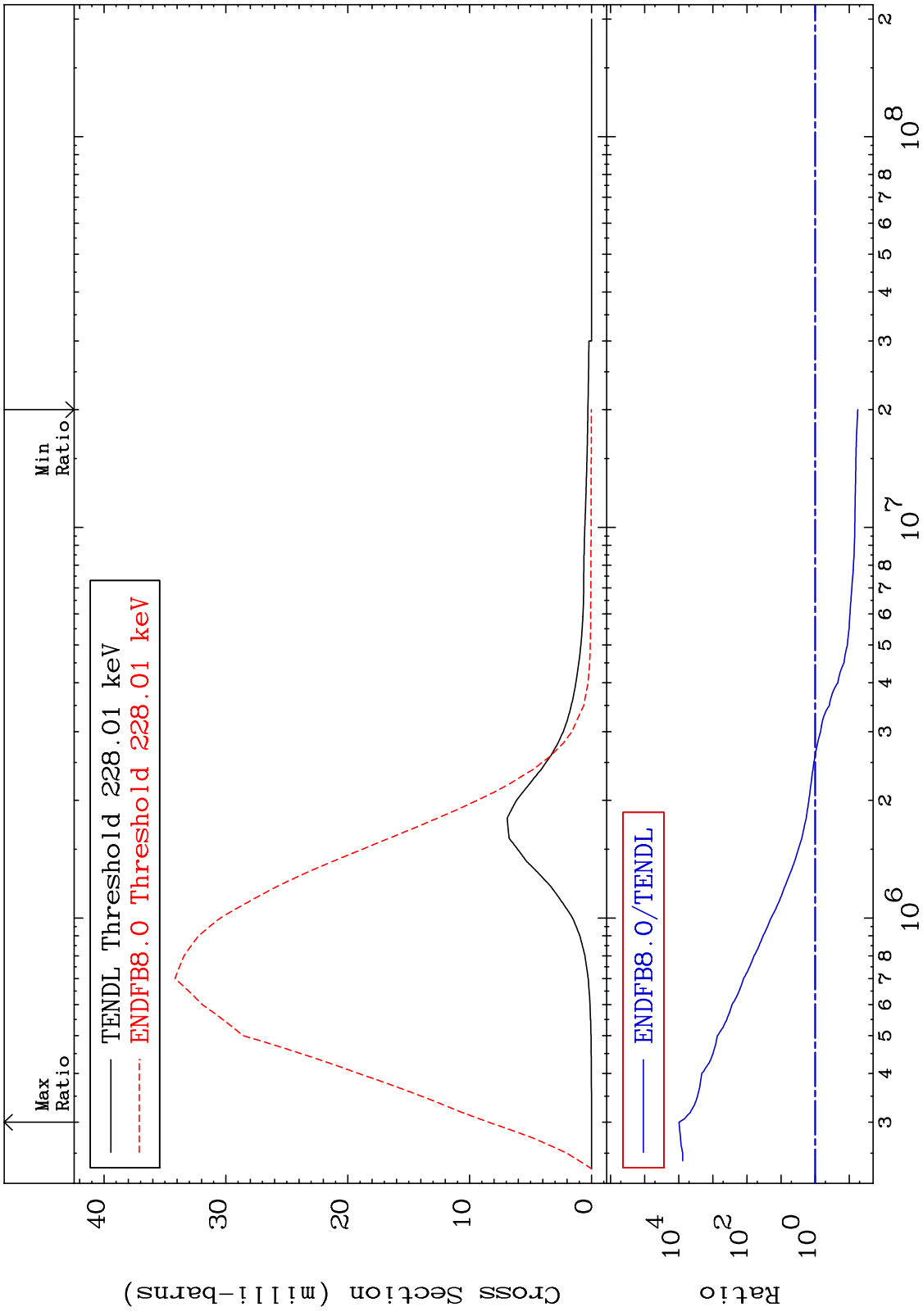
MAT 8931 MT= 61 (n,n') Level Cross Section 89-Ac-227
 -39.46 To 261.2 %



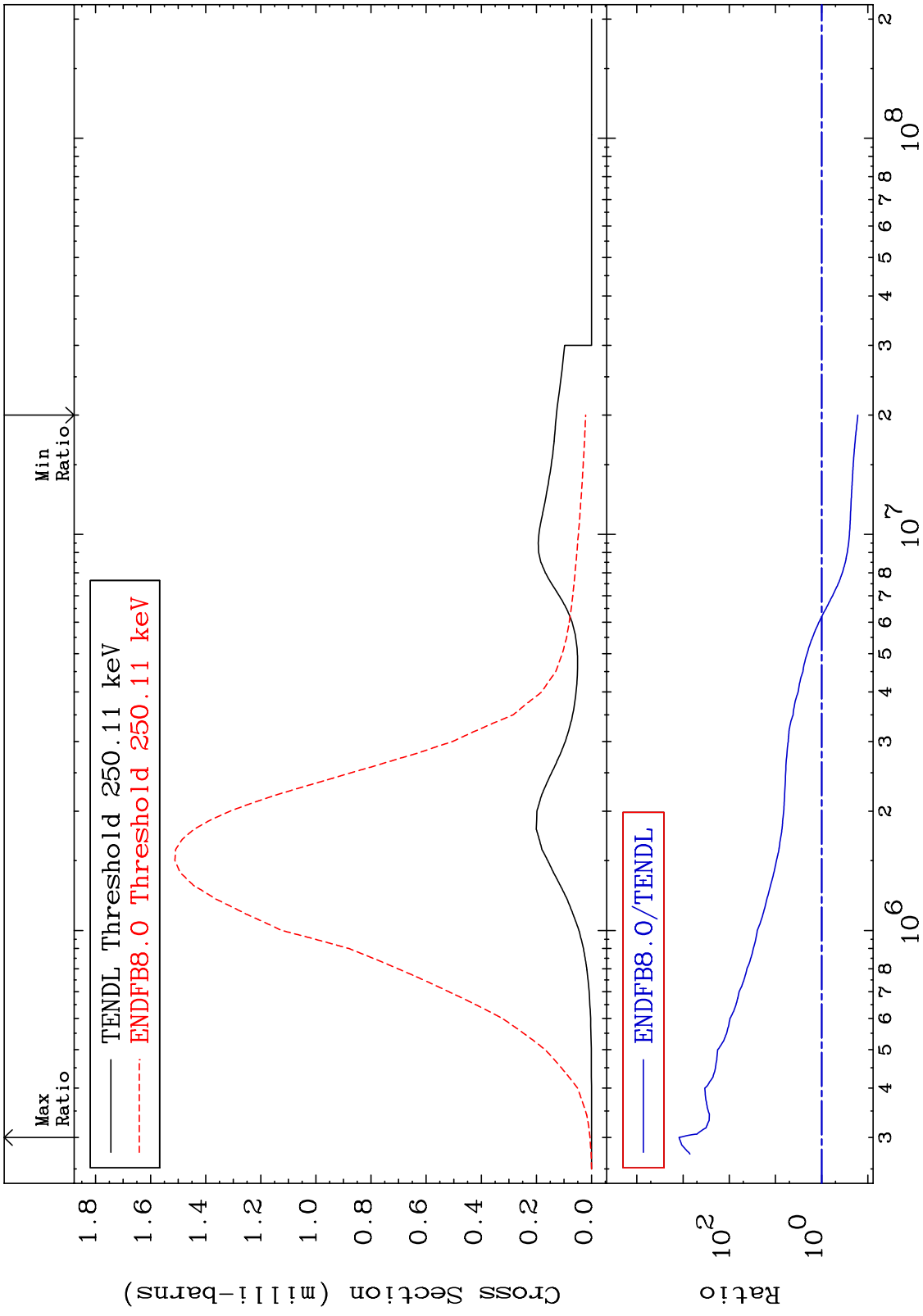
MAT 8931 MT= 62 (n,n') Level Cross Section 89-Ac-227
 -95.61 To 251.1 %



MAT 8931 MT= 63 (n,n') Level 89-Ac-227
 Cross Section -94.41 To 9999. %



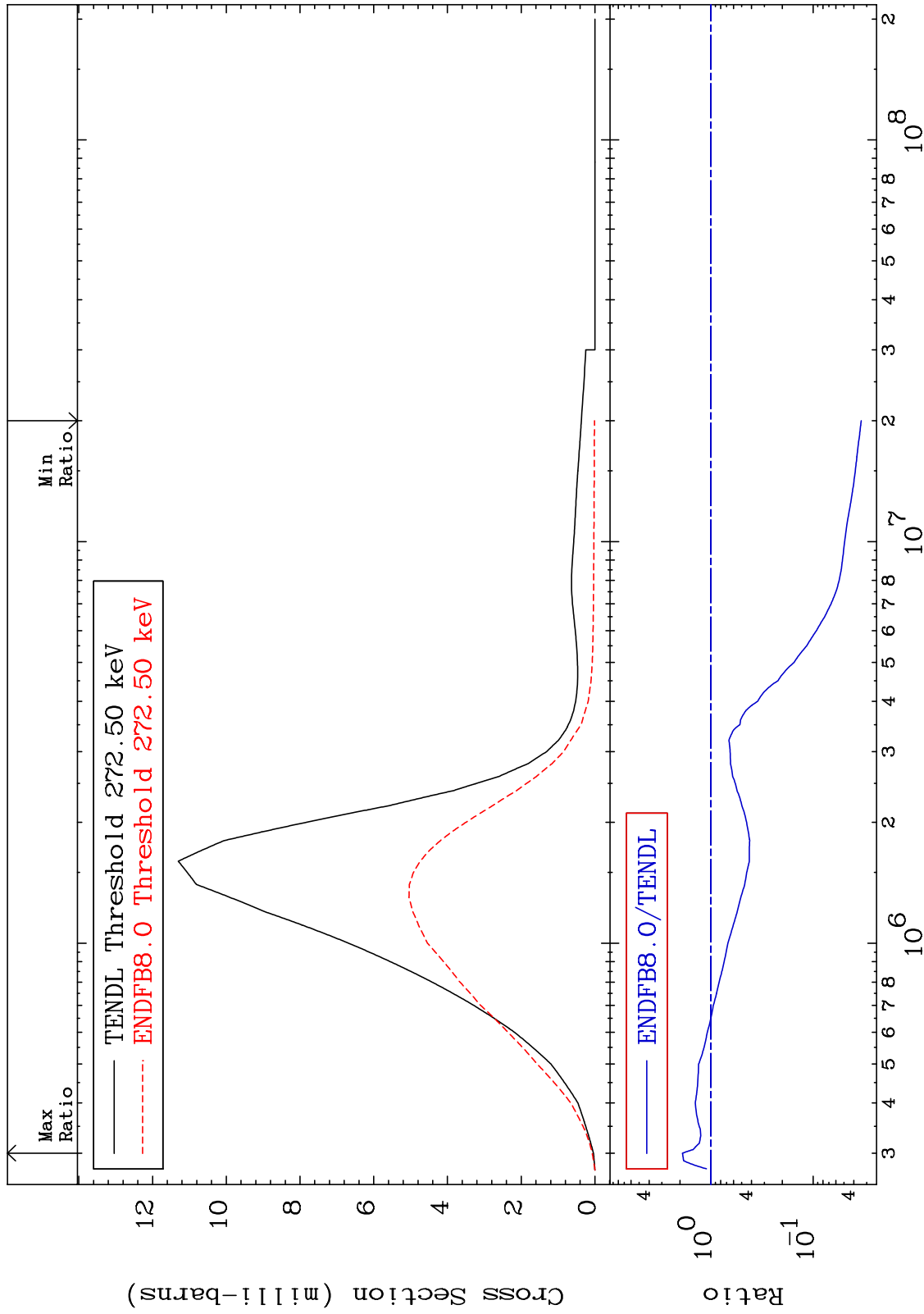
MAT 8931 MT= 64 (n,n') Level Cross Section 89-Ac-227 -83.55 To 9999. %



MAT 8931

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

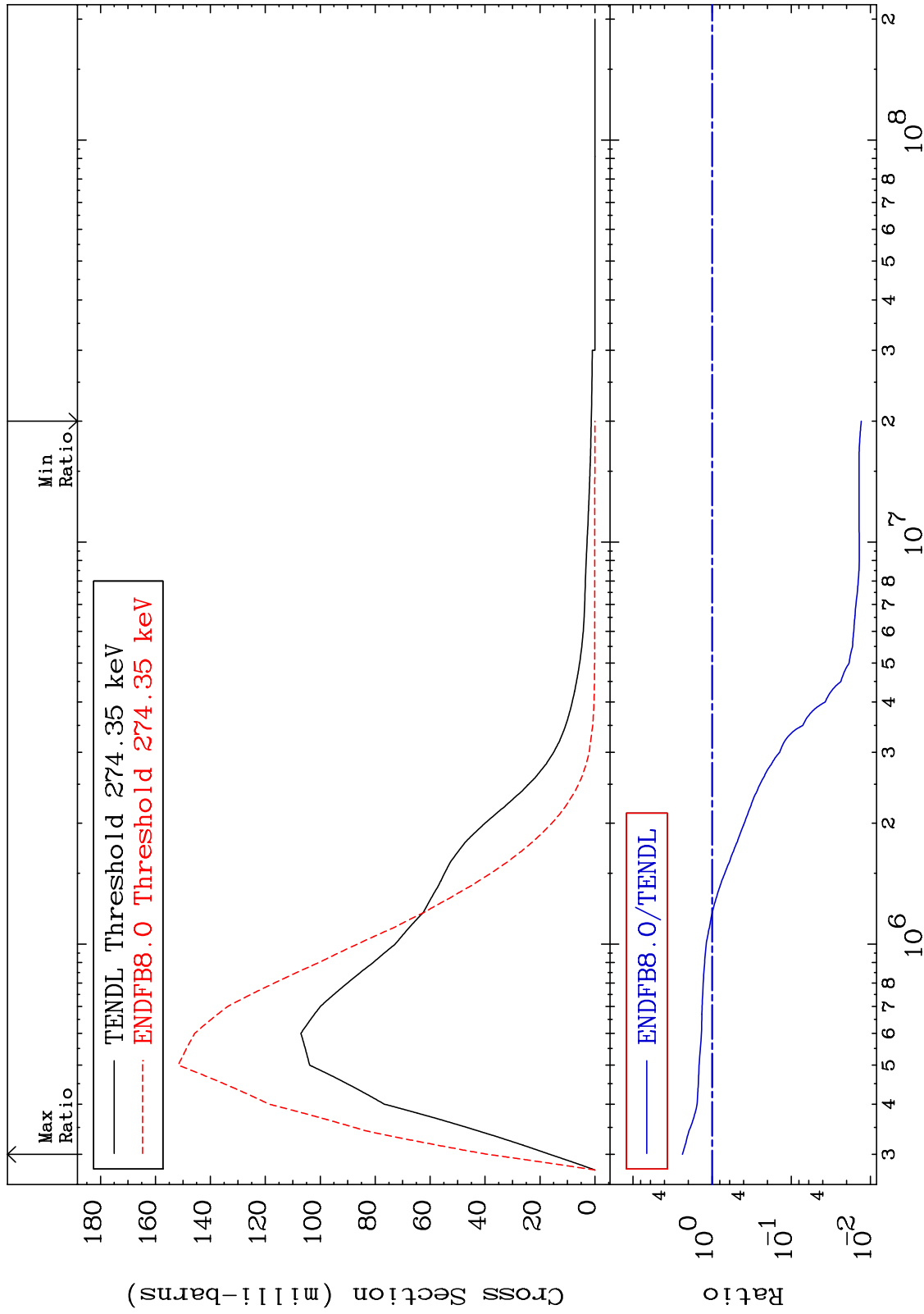
89-Ac-227
-96.61 To 88.92 %



MAT 8931

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

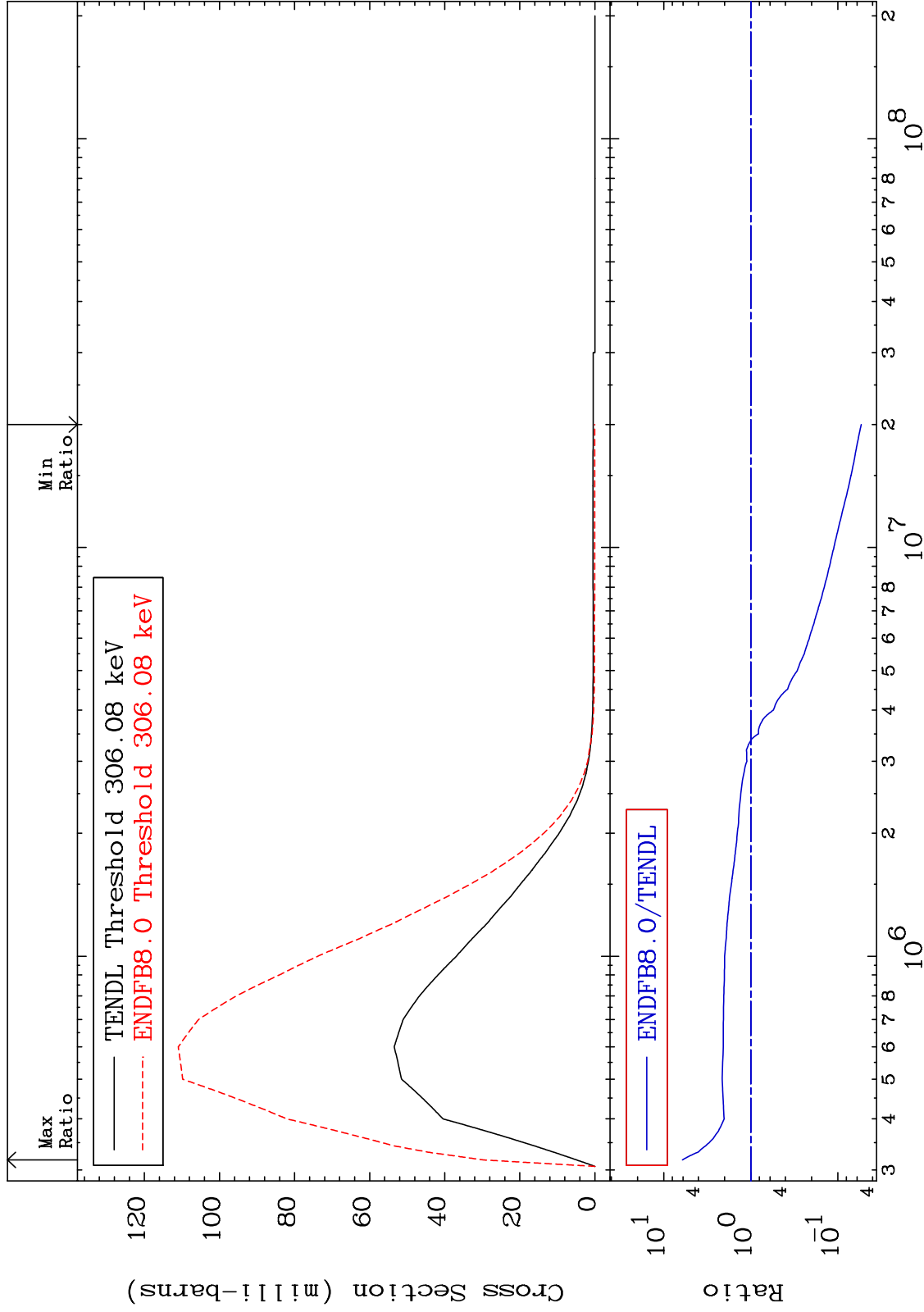
89-Ac-227
-98.70 To 137.0 %



MAT 8931

MT= 67 (n,n') Level
Cross Section

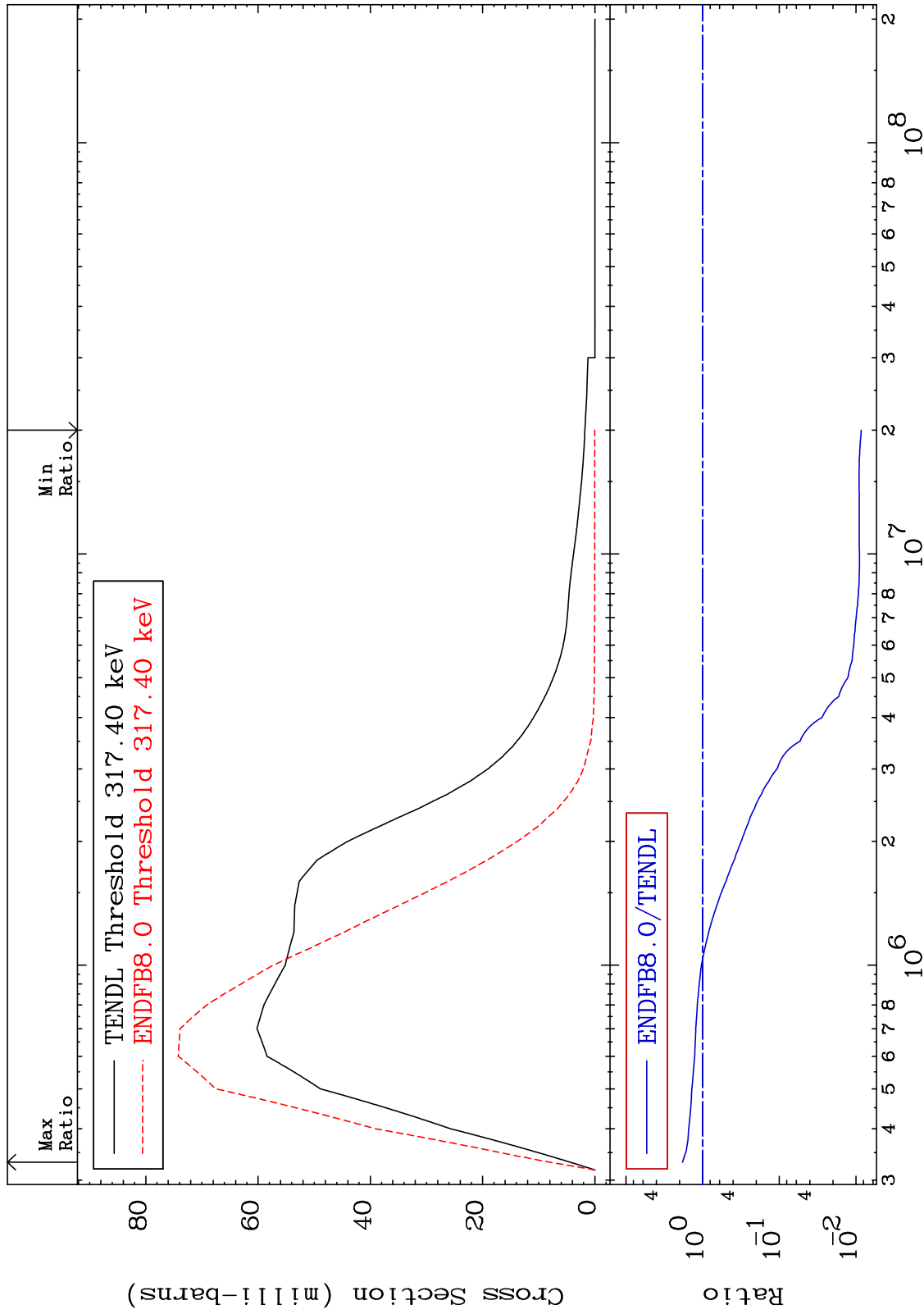
89-Ac-227
-94.62 To 510.4 %



MAT 8931

MT= 68 (n,n') Level
Cross Section

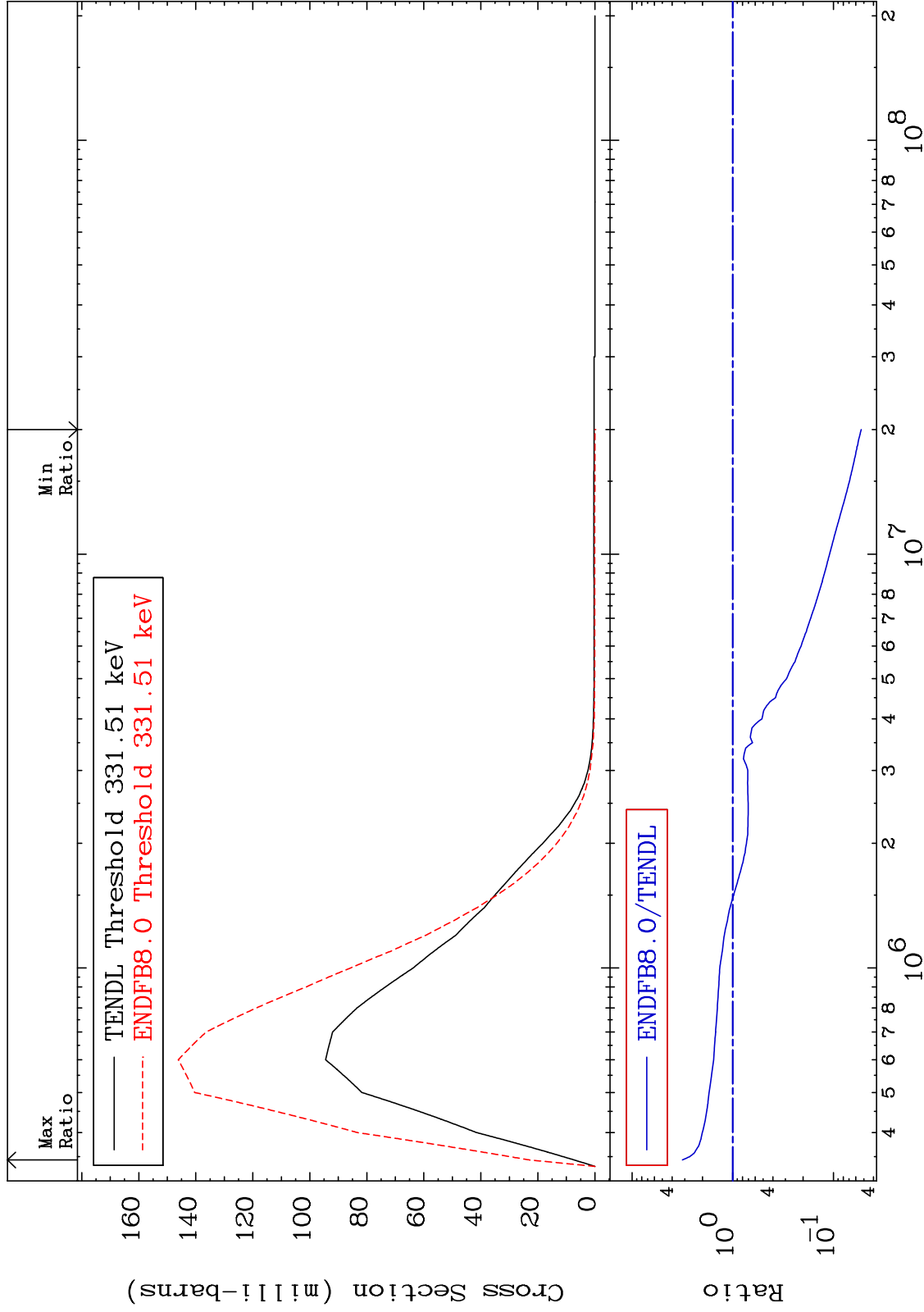
89-Ac-227
-99.15 To 83.28 %



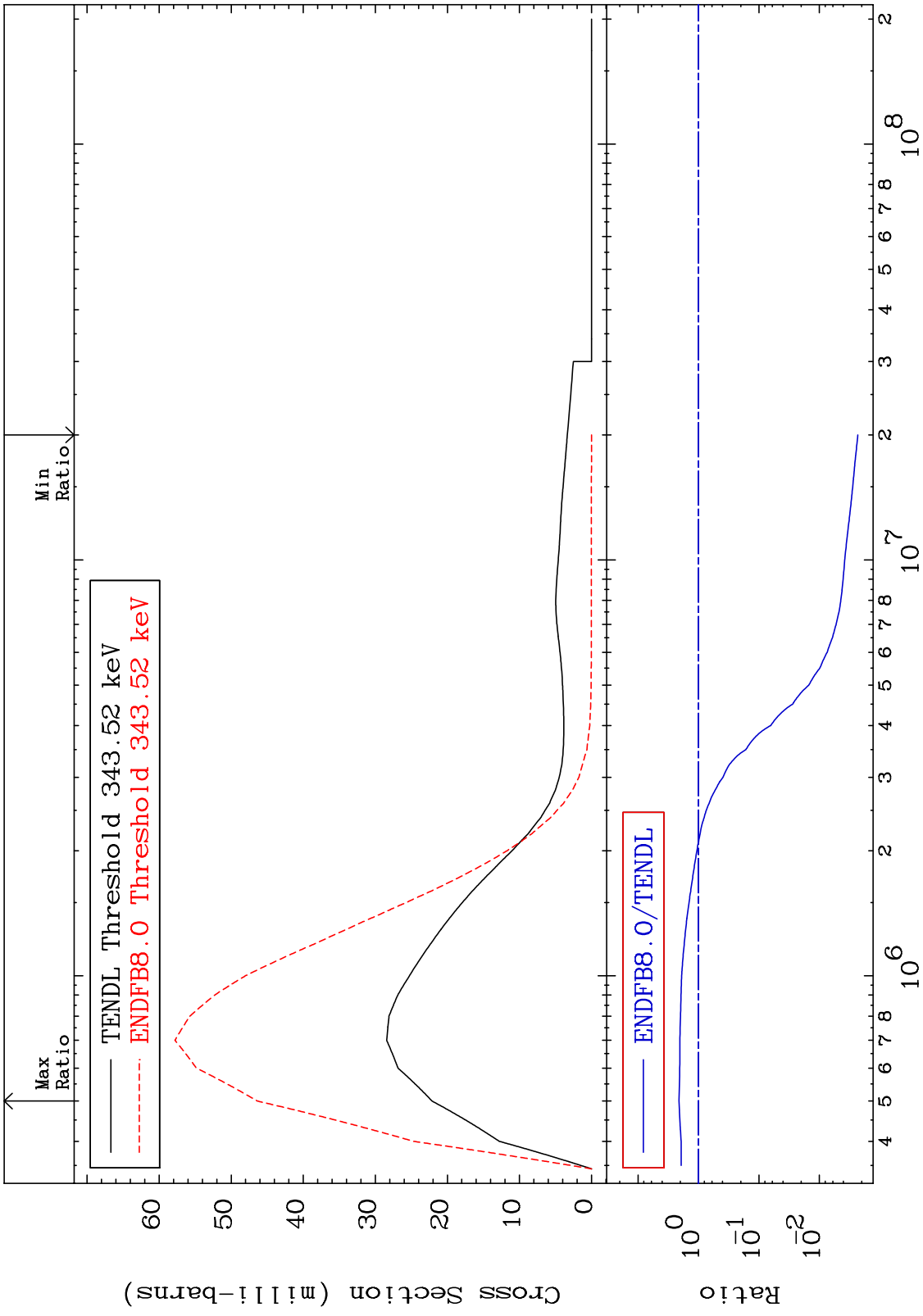
MAT 8931

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

89-Ac-227
-94.71 To 215.9 %



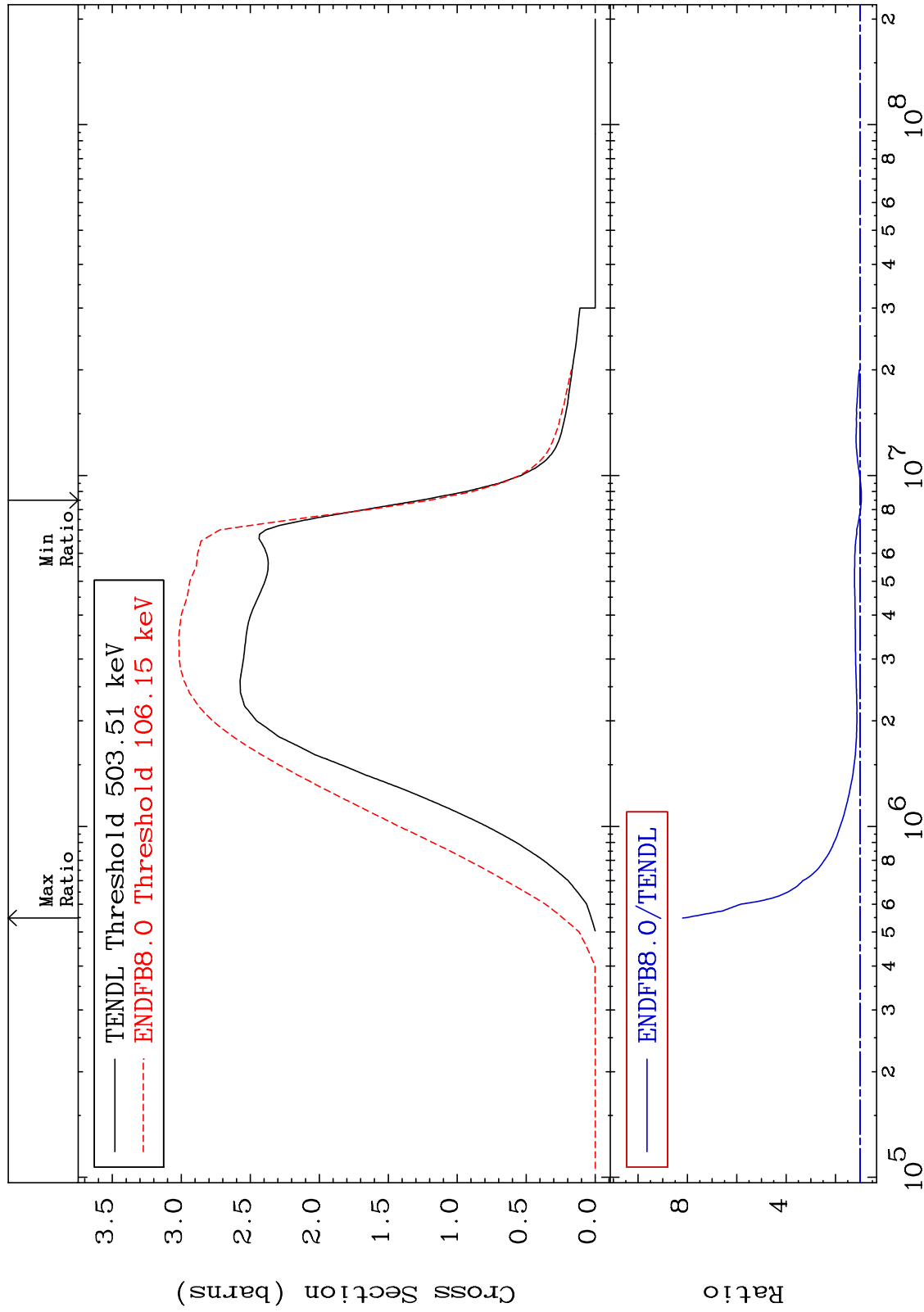
MAT 8931 MT= 70 (n,n') Level Cross Section 89-Ac-227 -99.77 To 109.6 %



MAT 8931

(n, n') Continuum
Cross Section

89-Ac-227
-5.113 To 719.4 %



32

89-Ac-227

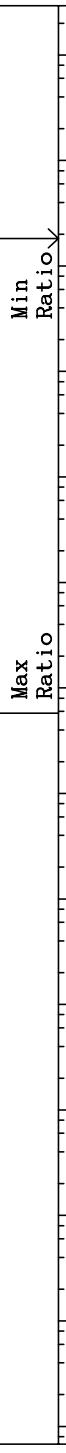
MAT 8931

(n, γ)

89-Ac-227

-54.11 To 353.5 %

Cross Section

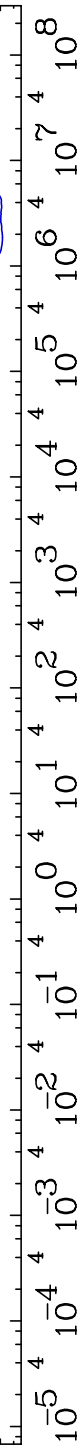


— TENDL
- - - ENDFB8.0

Cross Section (barns)
 10^4
 10^2
 10^0
 10^{-2}

— ENDFB8.0/TENDL

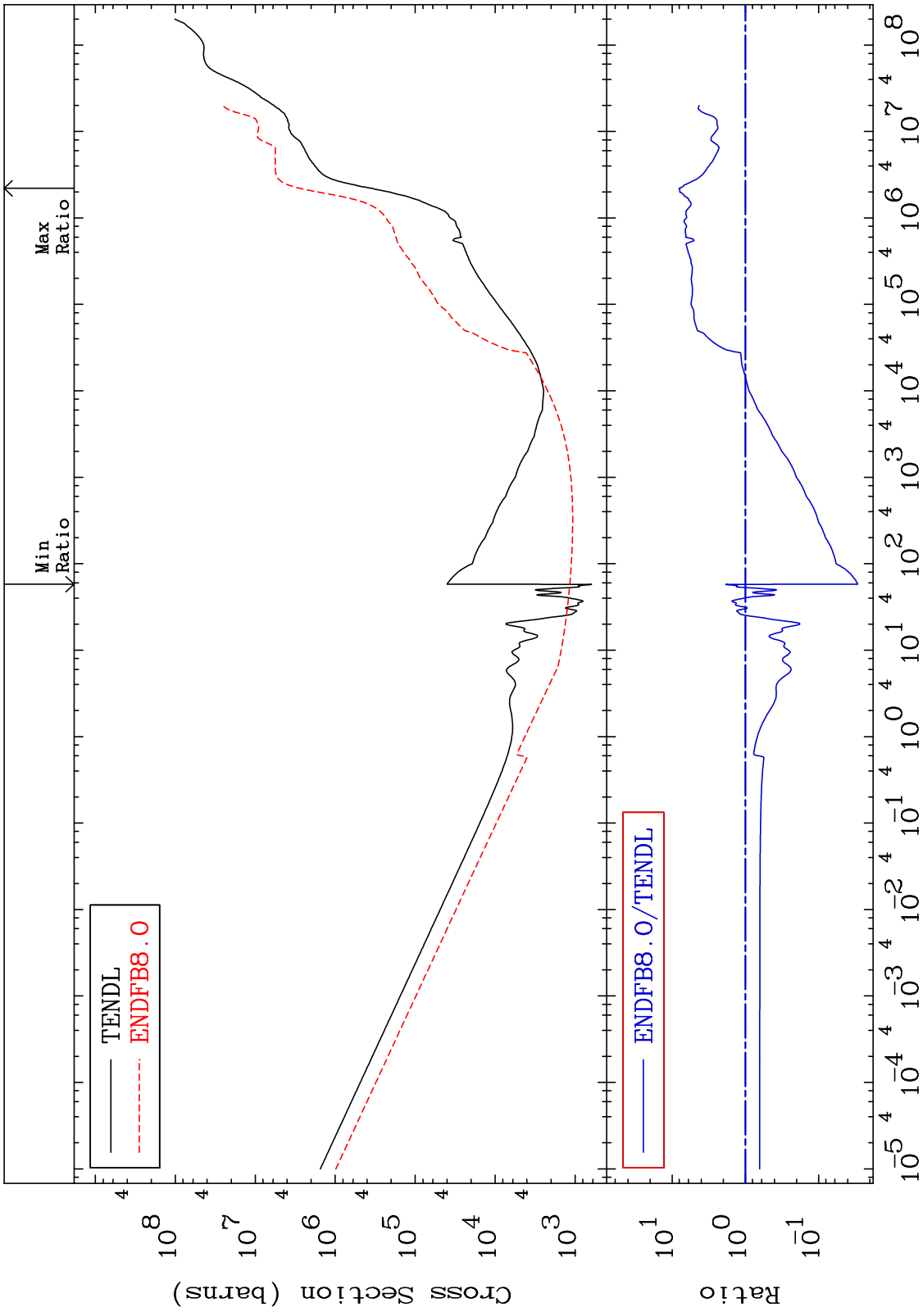
Ratio
4
2



Incident Energy (eV)

89-Ac-227

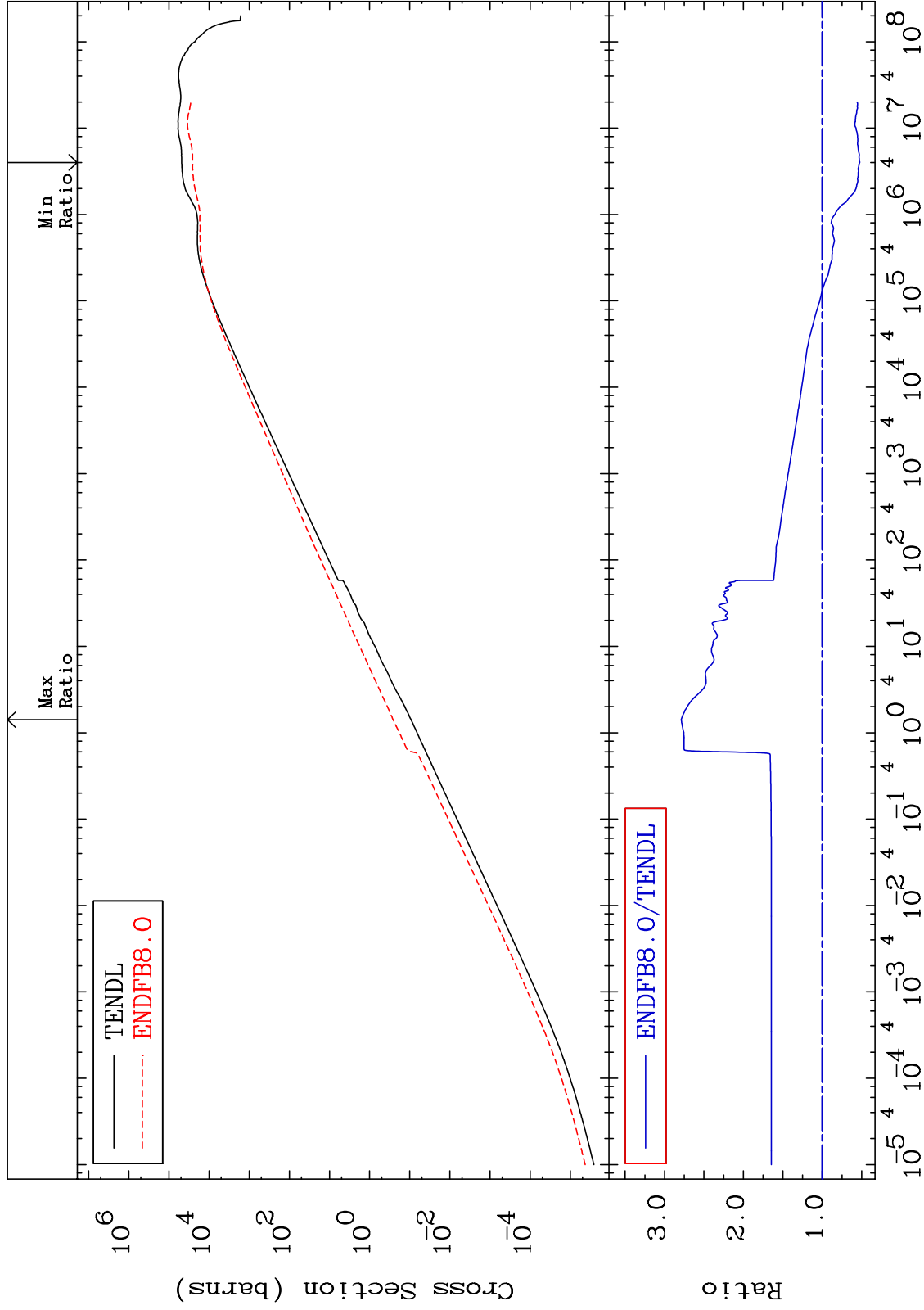
MAT 8931 Kerma total (eV-barns) Cross Section 89-Ac-227 -97.08 To 704.8 %



MAT 8931

Kerma elastic
Cross Section

89-Ac-227
-47.57 To 178.8 %

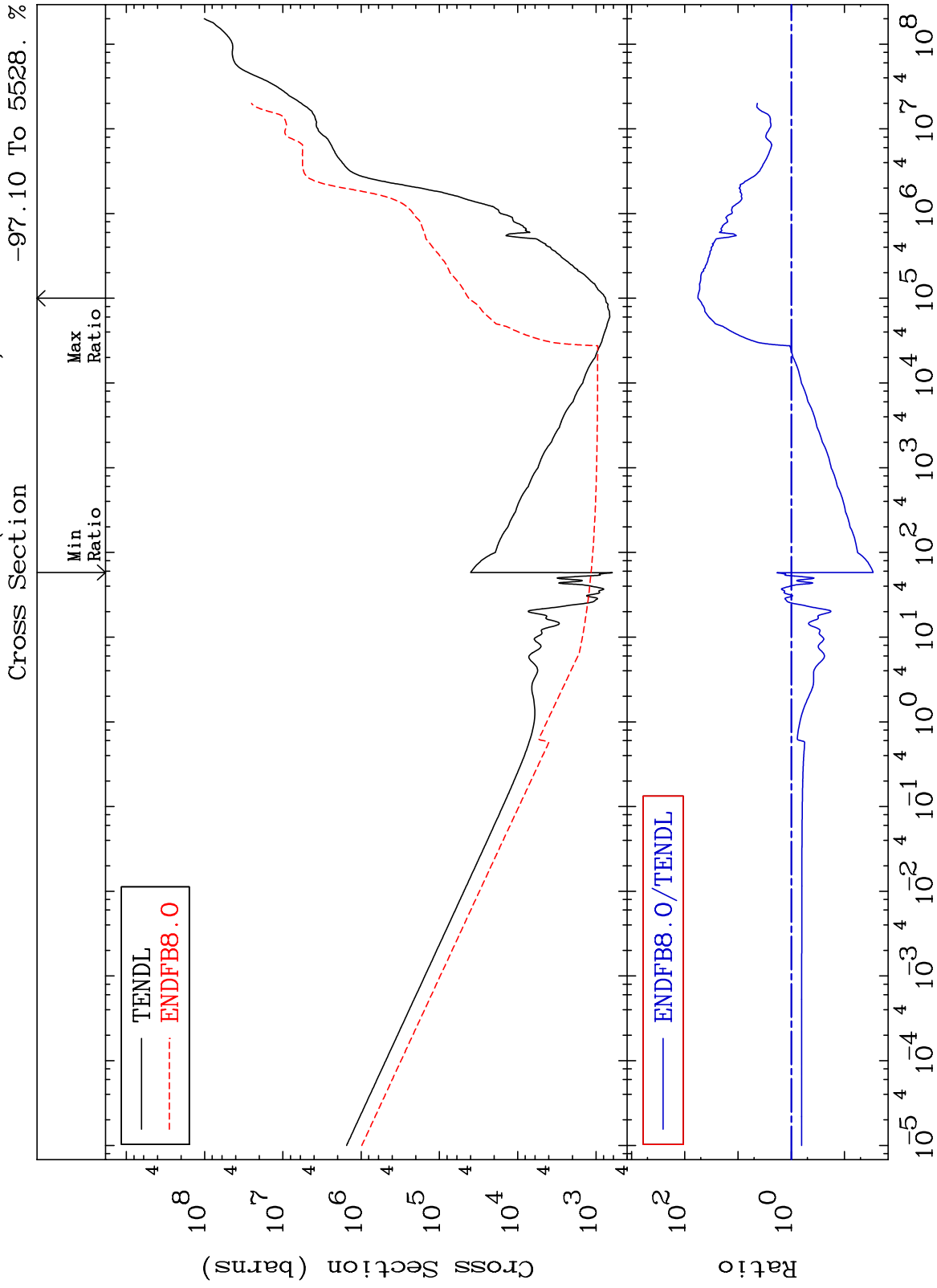


MAT 8931

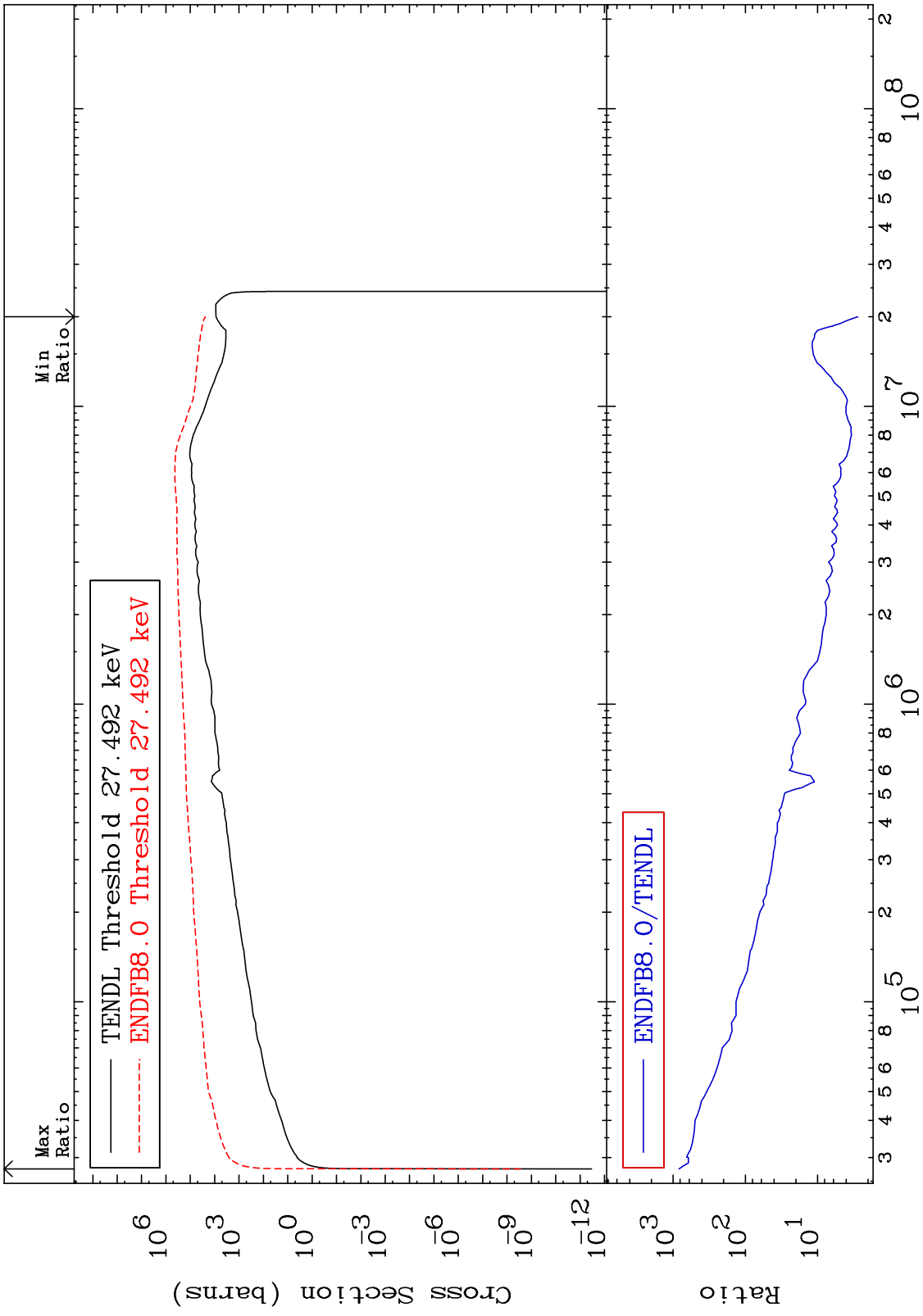
Kerma non-elastic (all but mt.2)

89-Ac-227

-97.10 To 5528. %



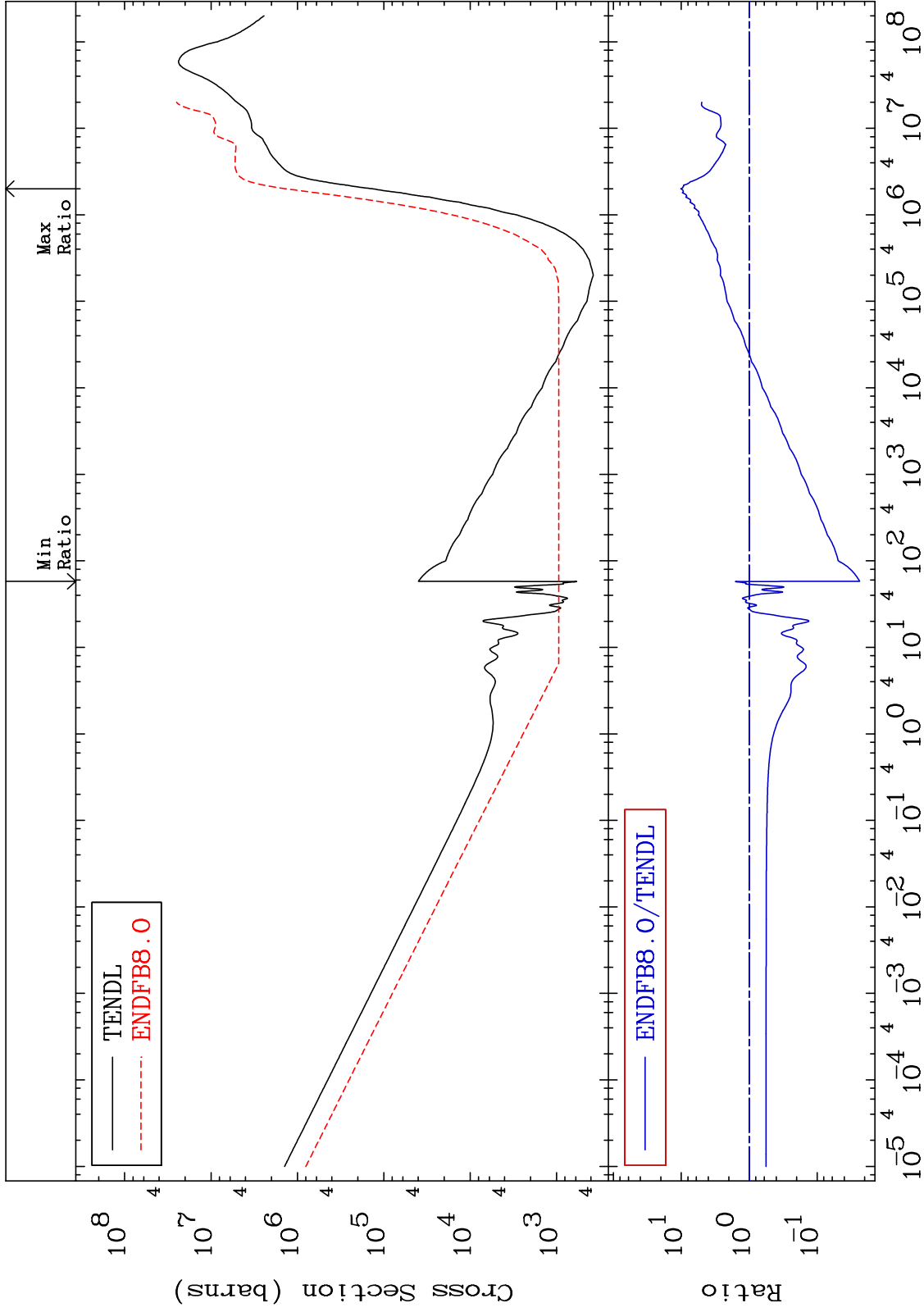
MAT 8931 Kerma inelastic (mt51-91) 89-Ac-227
 Cross Section 176.8 To 9999. %



MAT 8931

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

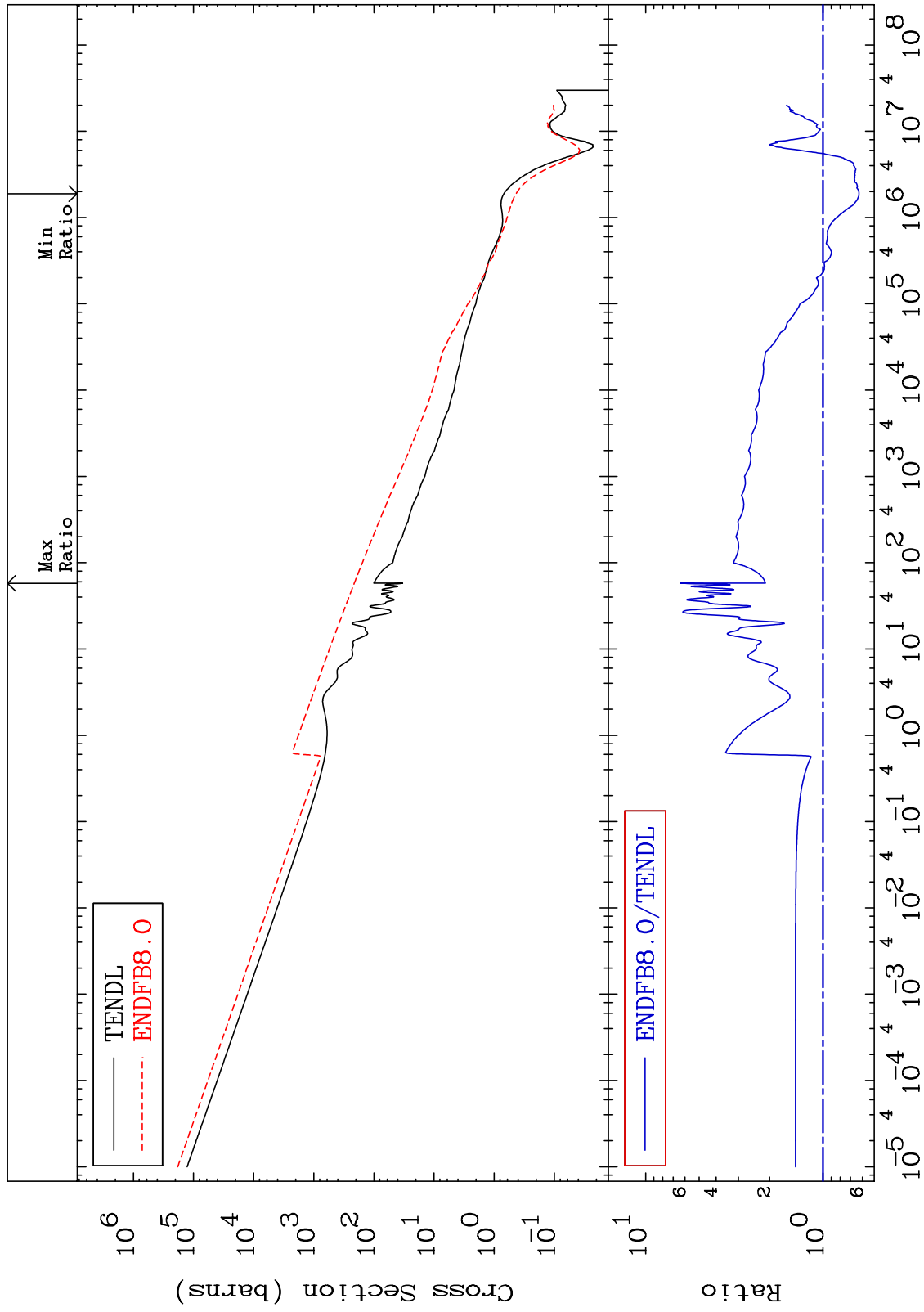
89-Ac-227
-97.63 To 915.7 %



MAT 8931

Kerma capture (mt102)
Cross Section

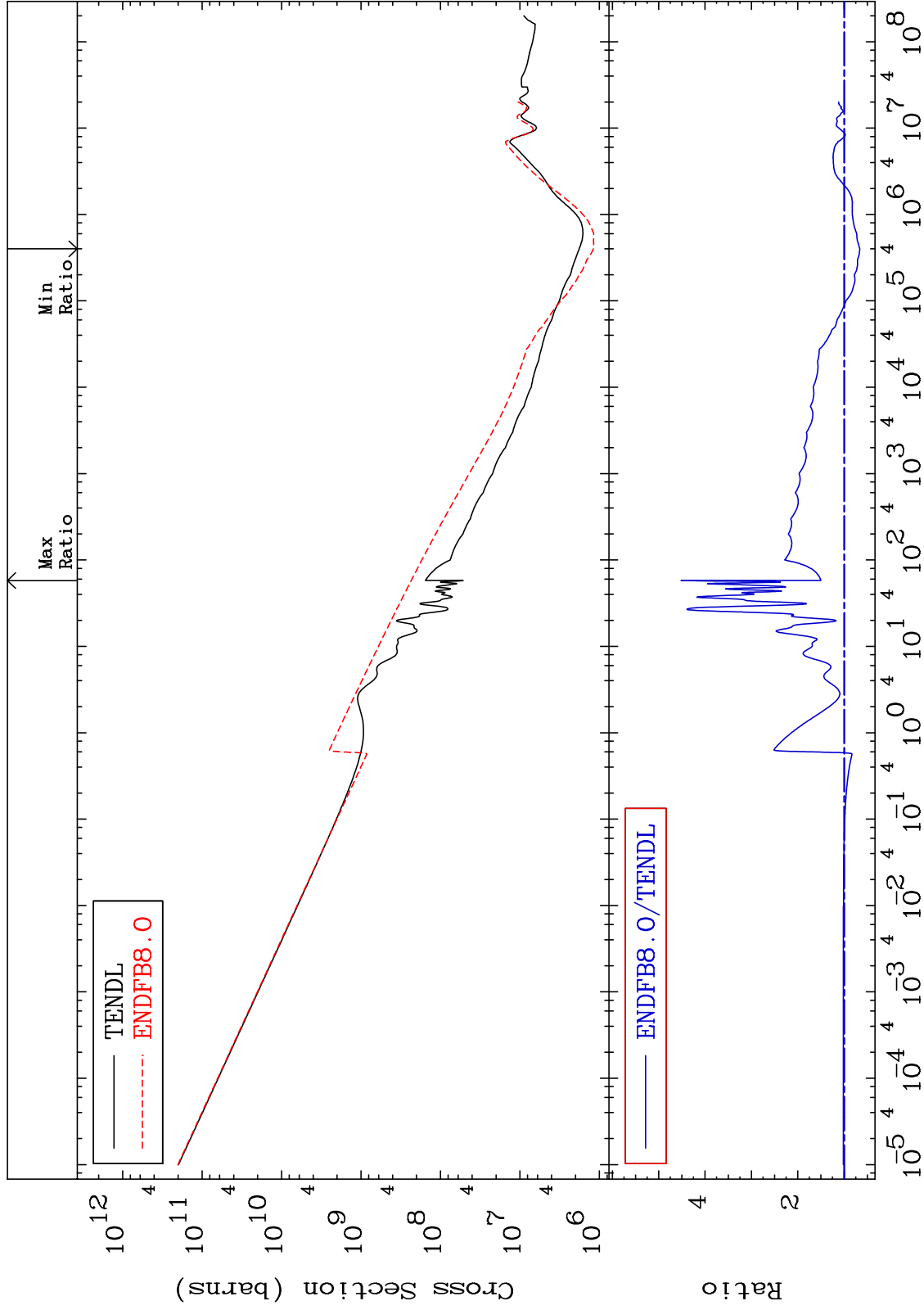
89-Ac-227
-37.26 To 534.5 %



MAT 8931

Total photon (eV-barns)
Cross Section

89-Ac-227
-33.75 To 351.3 %

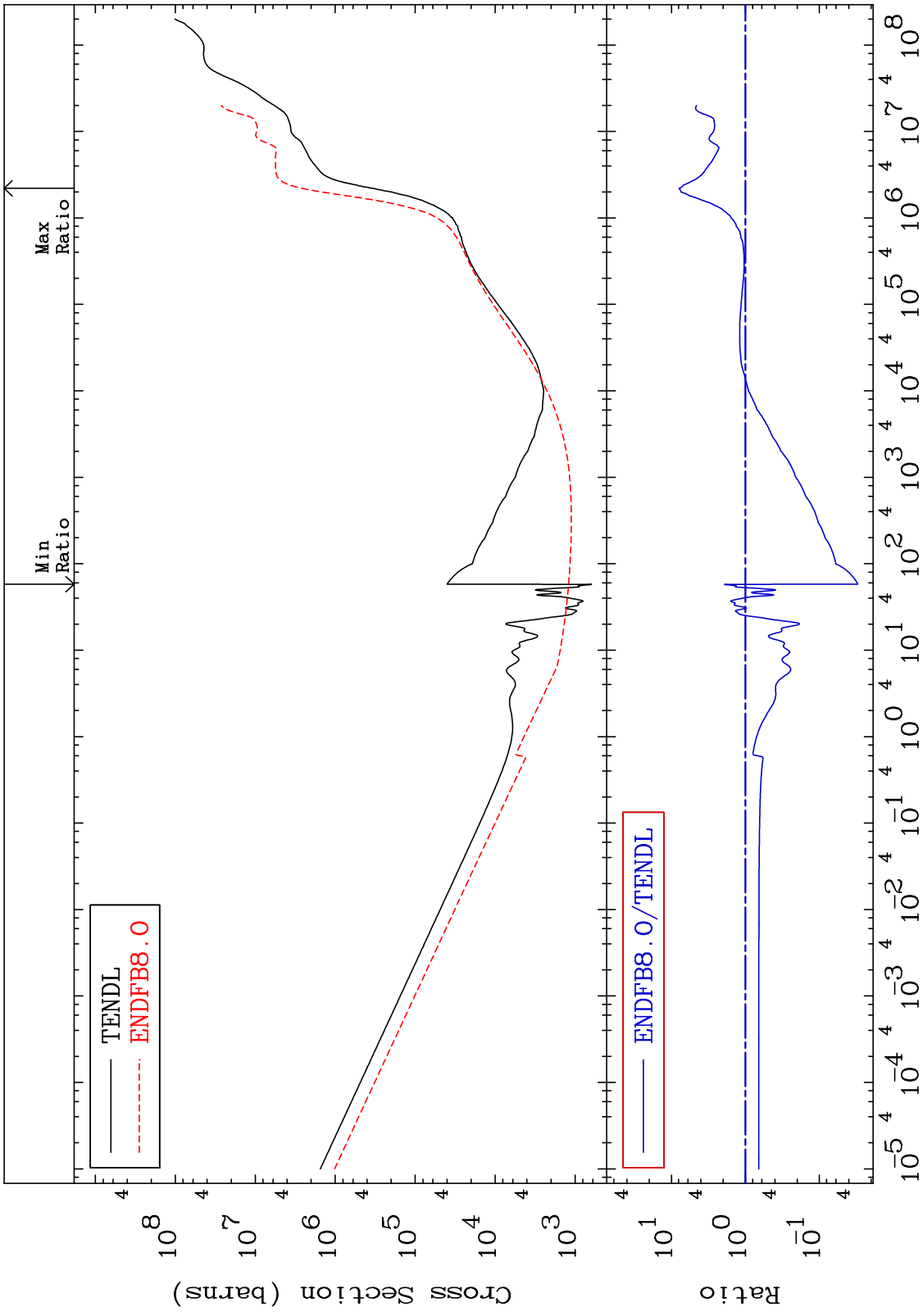


40

Incident Energy (eV)

89-Ac-227

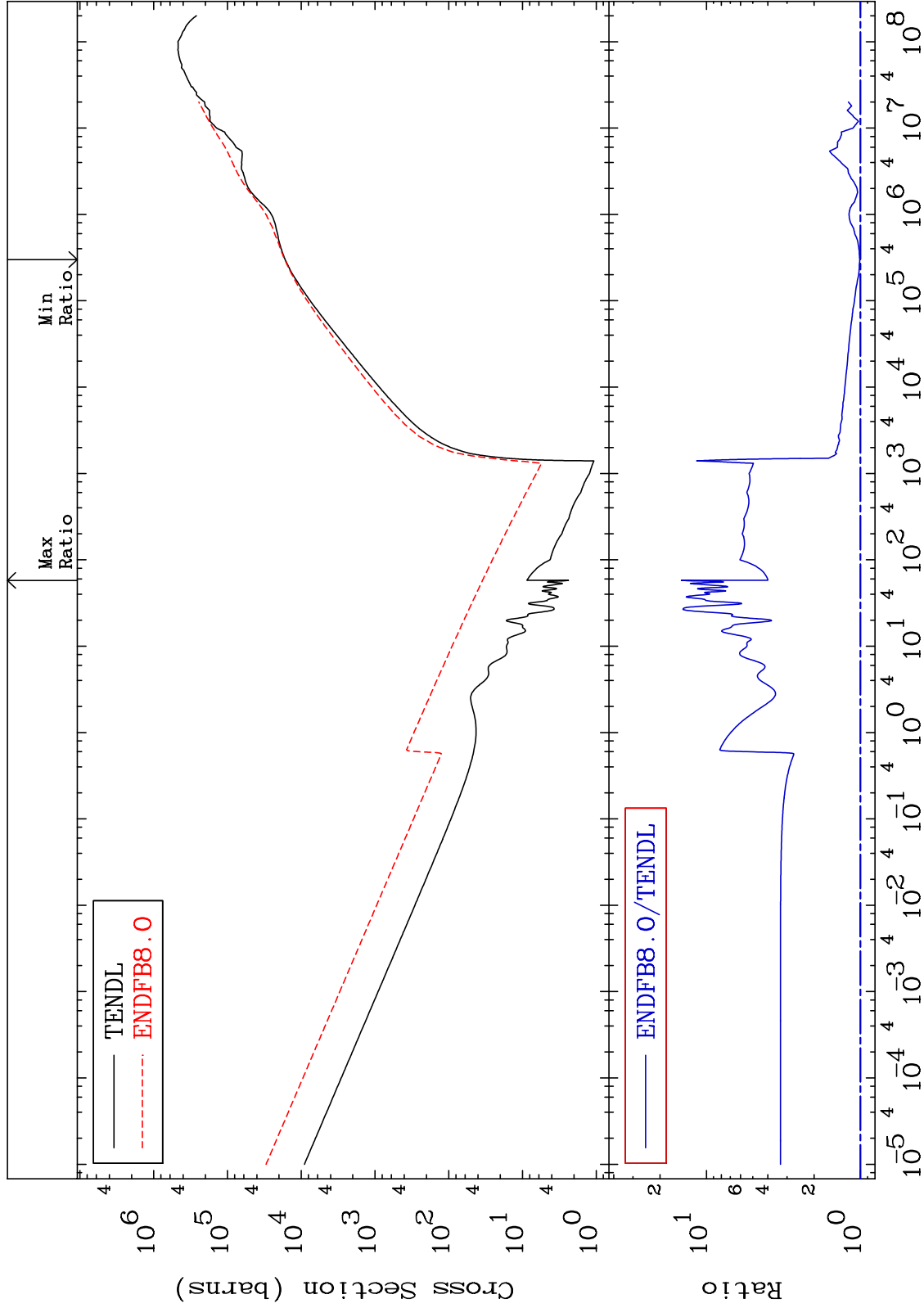
MAT 8931 Total kinematic kerma (high limit) Cross Section 89-Ac-227 -96.97 To 689.4 %



MAT 8931

Dpa total (eV-barns)
Cross Section

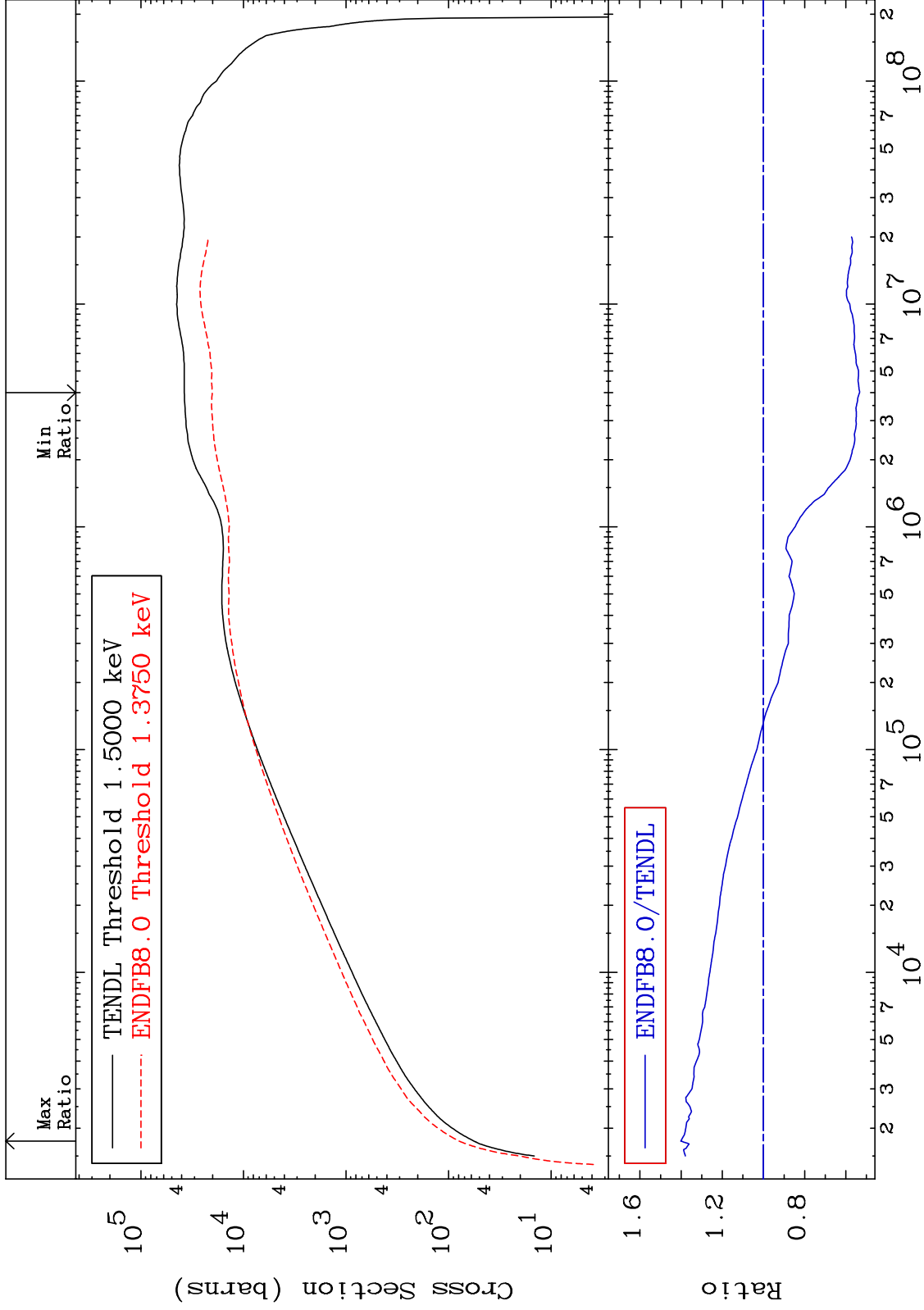
89-Ac-227
1.071 To 1357. %



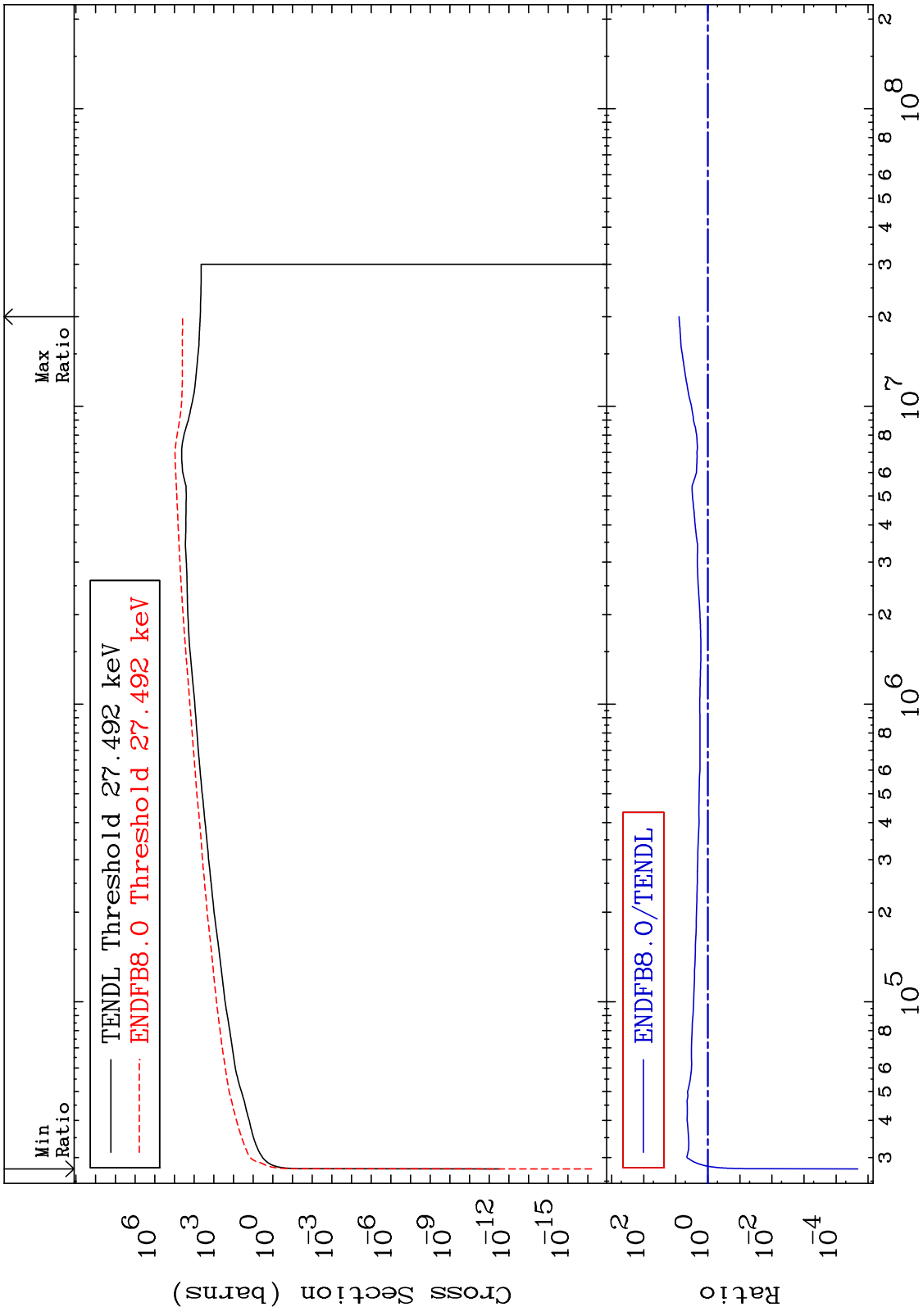
MAT 8931

Dpa elastic (mt2)
Cross Section

89-Ac-227
-46.71 To 40.15 %



MAT 8931 Dpa inelastic (mt51-91) 89-Ac-227
 Cross Section -100.0 To 689.7 %



MAT 8931 Dpa disappearance (mt102 -120) 89-Ac-227
 Cross Section -100.0 To 1375. %

