

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

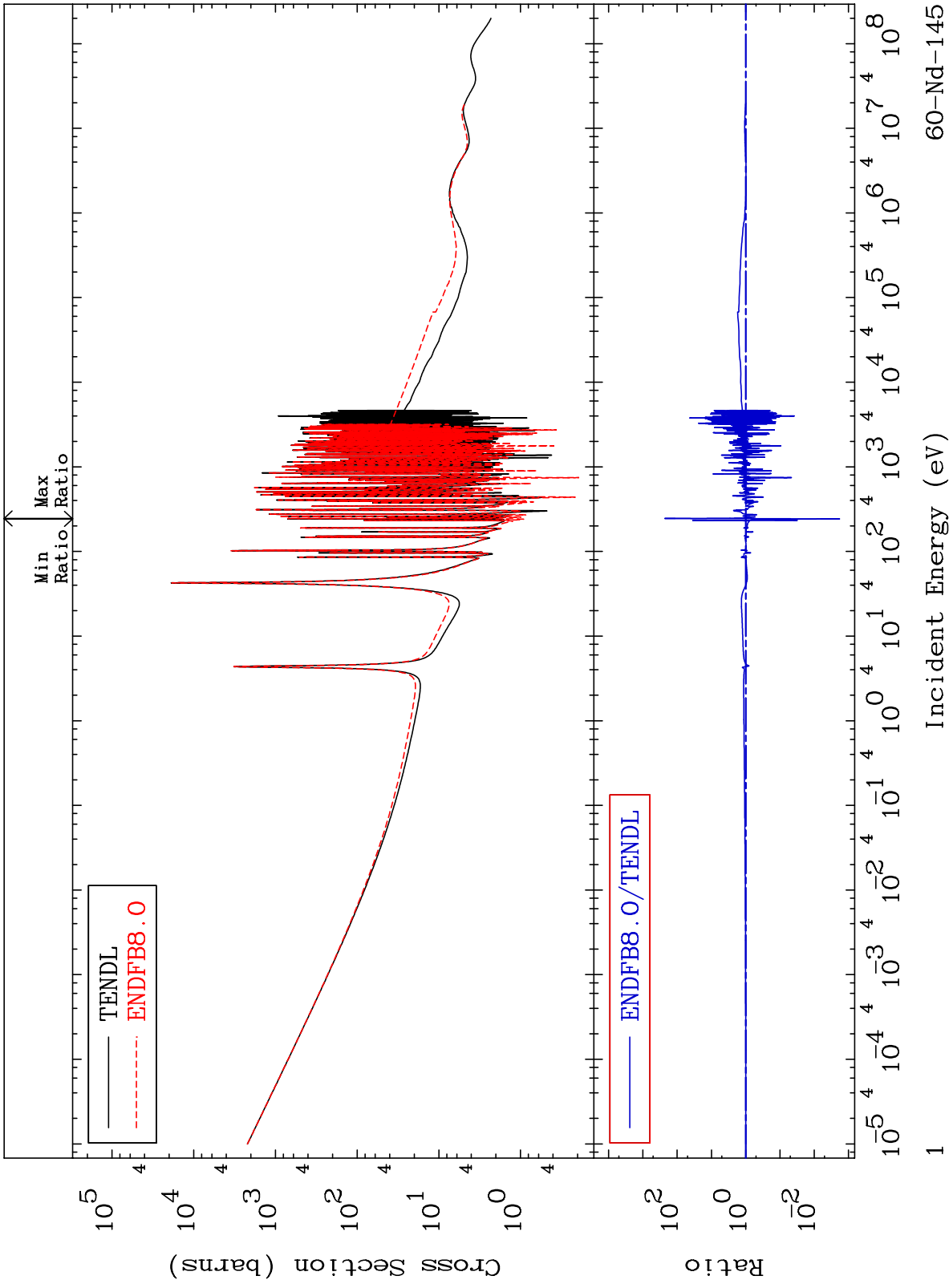
MAT 6034

Total

60-Nd-145

Cross Section

-99.82 To 9999. %

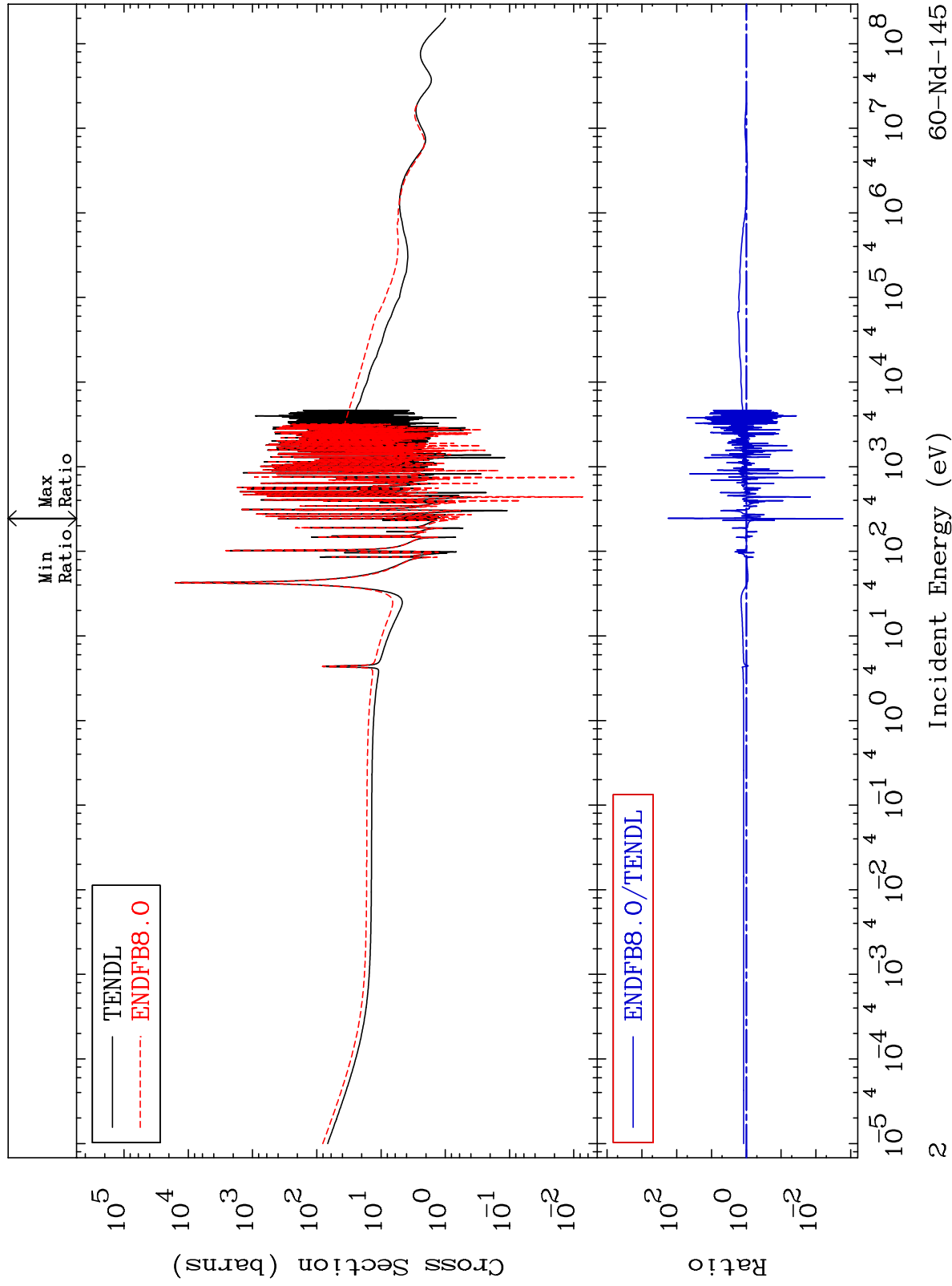


60-Nd-145

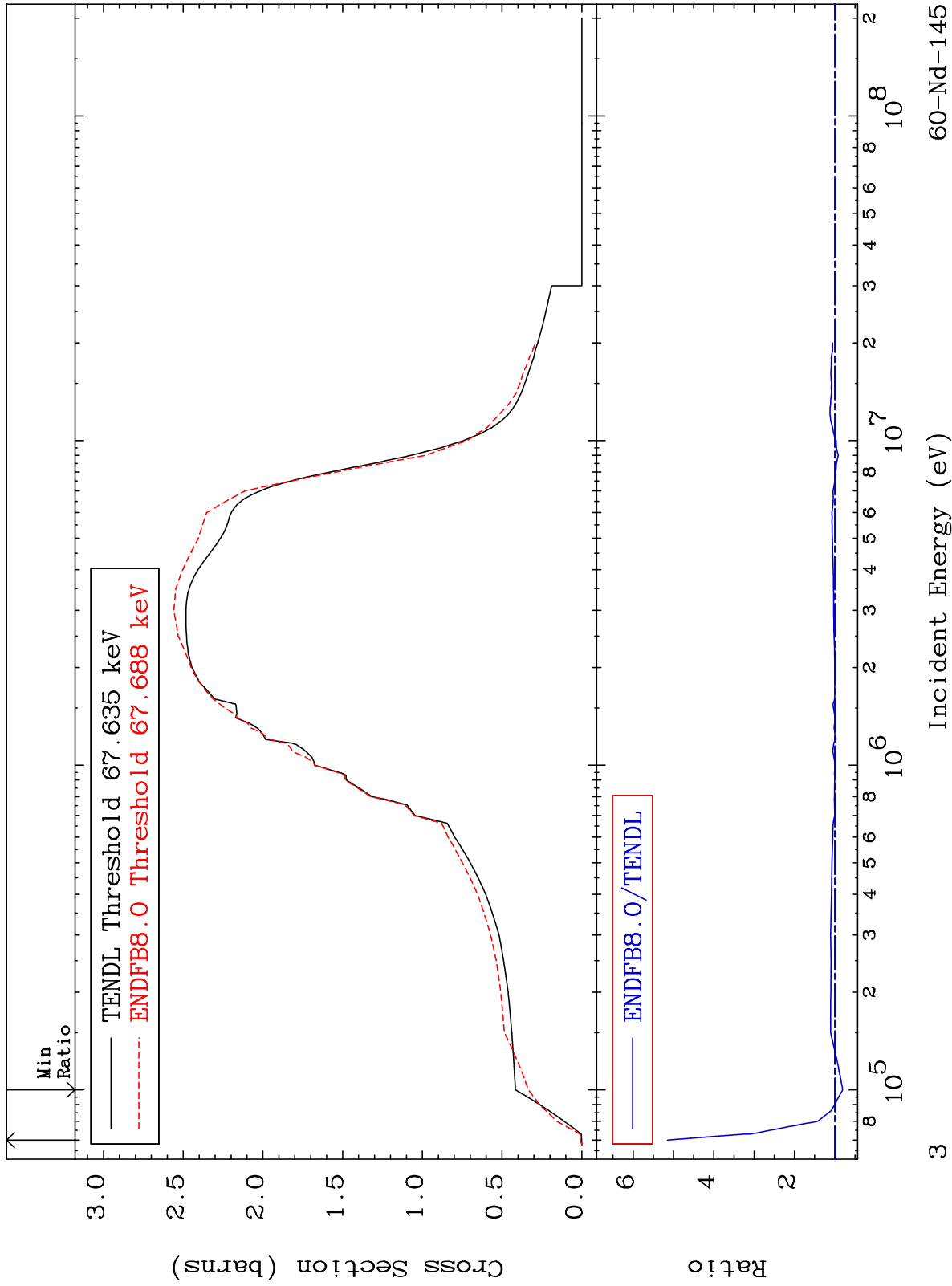
MAT 6034

Elastic
Cross Section

60-Nd-145
-99.83 To 9999. %

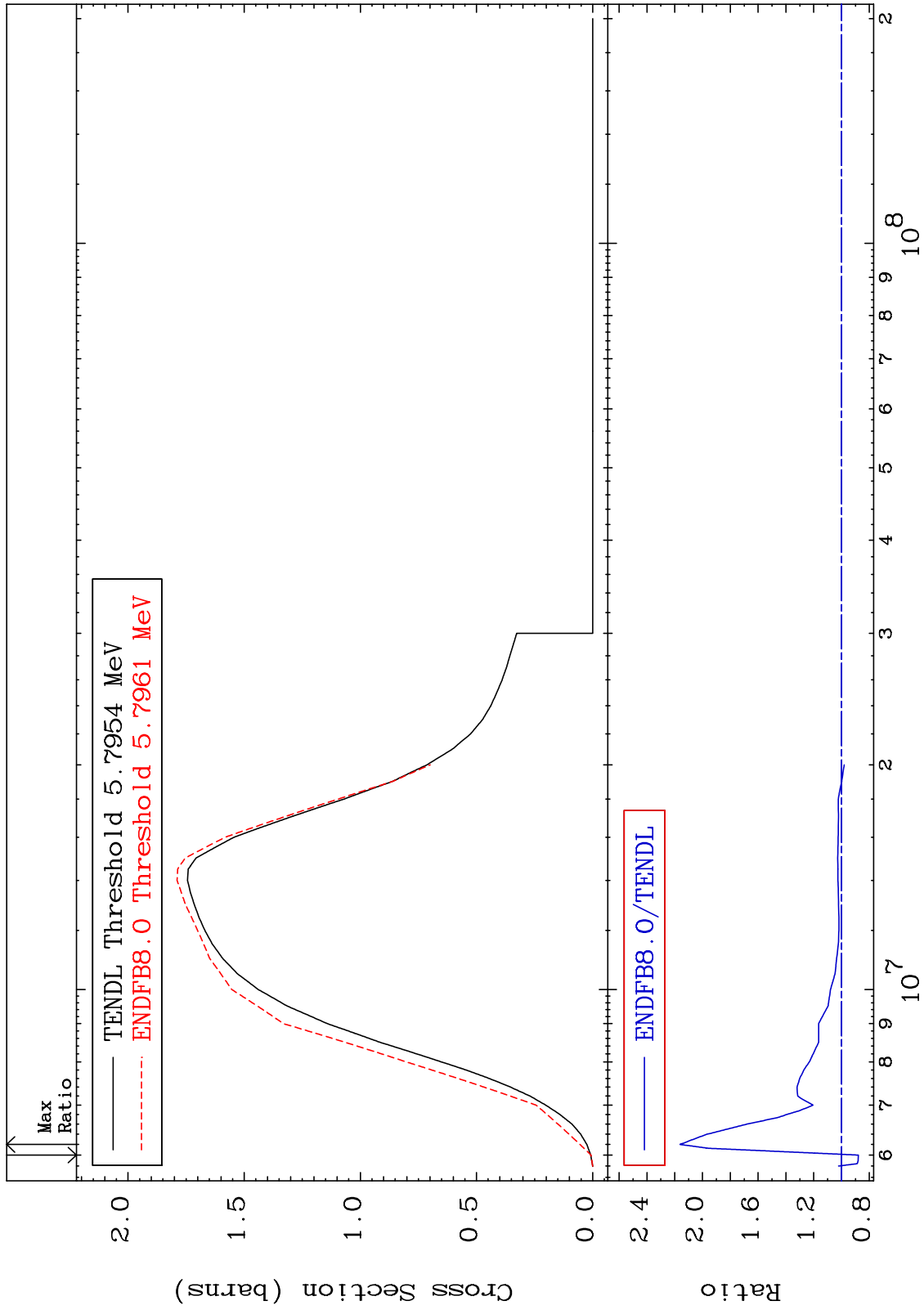


MAT 6034 Inelastic Cross Section 60-Nd-145 -19.45 To 414.7 %



3 Incident Energy (eV) 60-Nd-145

MAT 6034 (n,2n) Cross Section 60-Nd-145 -12.14 To 116.2 %



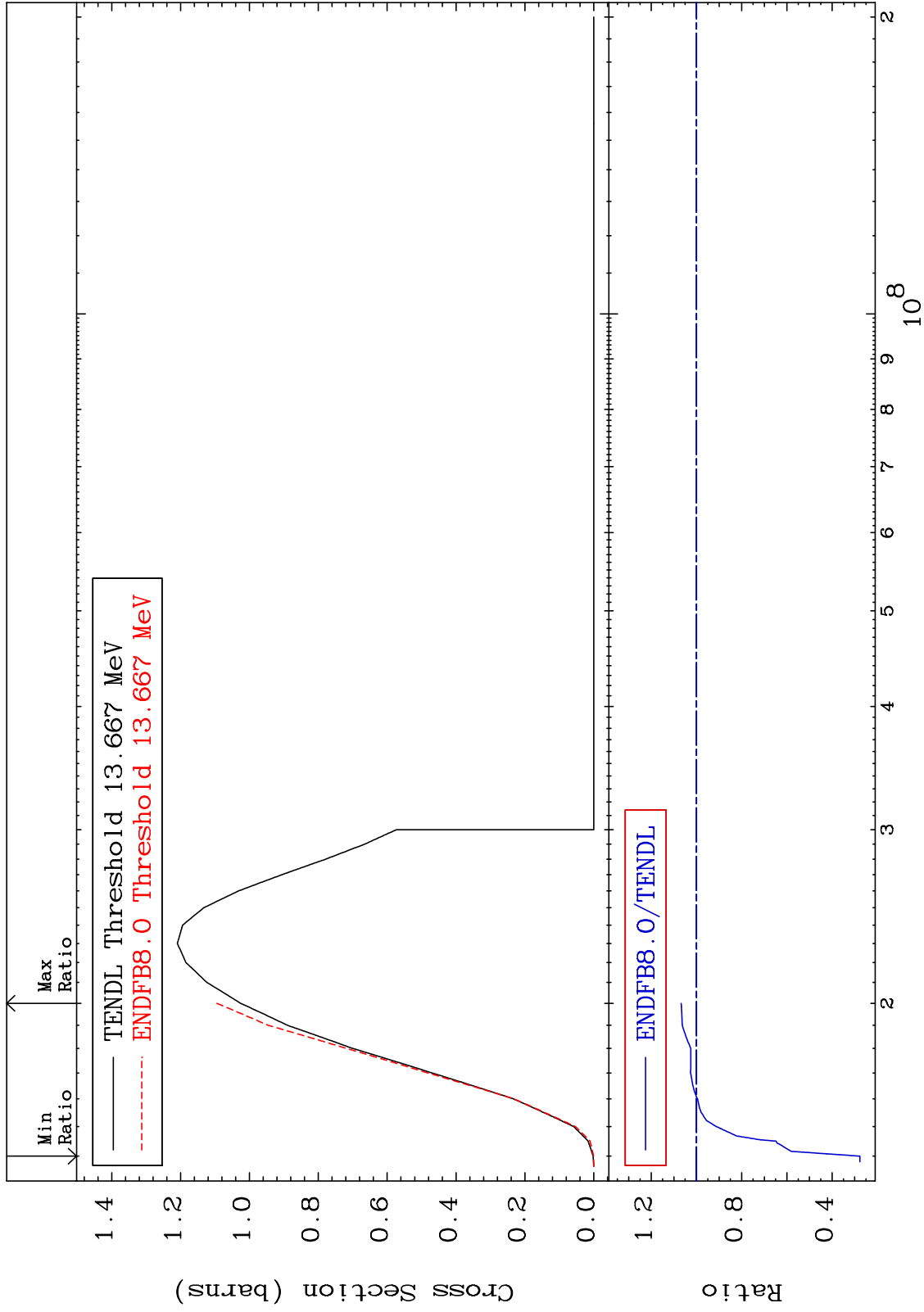
MAT 6034

(n,3n)

60-Nd-145

Cross Section

-72.30 To 6.755 %



5

60-Nd-145

60-Nd-145

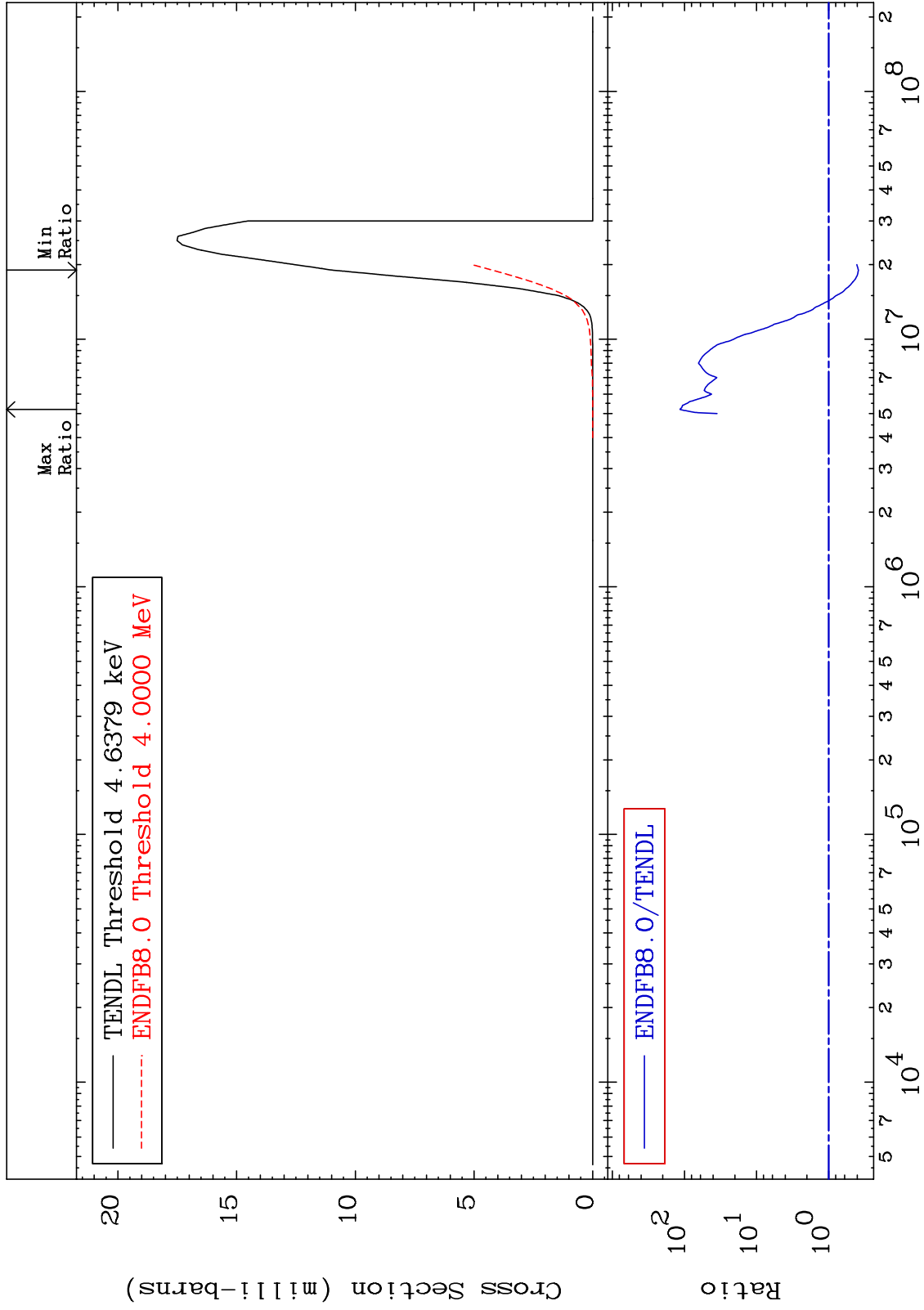
MAT 6034

(n, n') α

60-Nd-145

Cross Section

-61.42 To 9999. %



6

Incident Energy (eV)

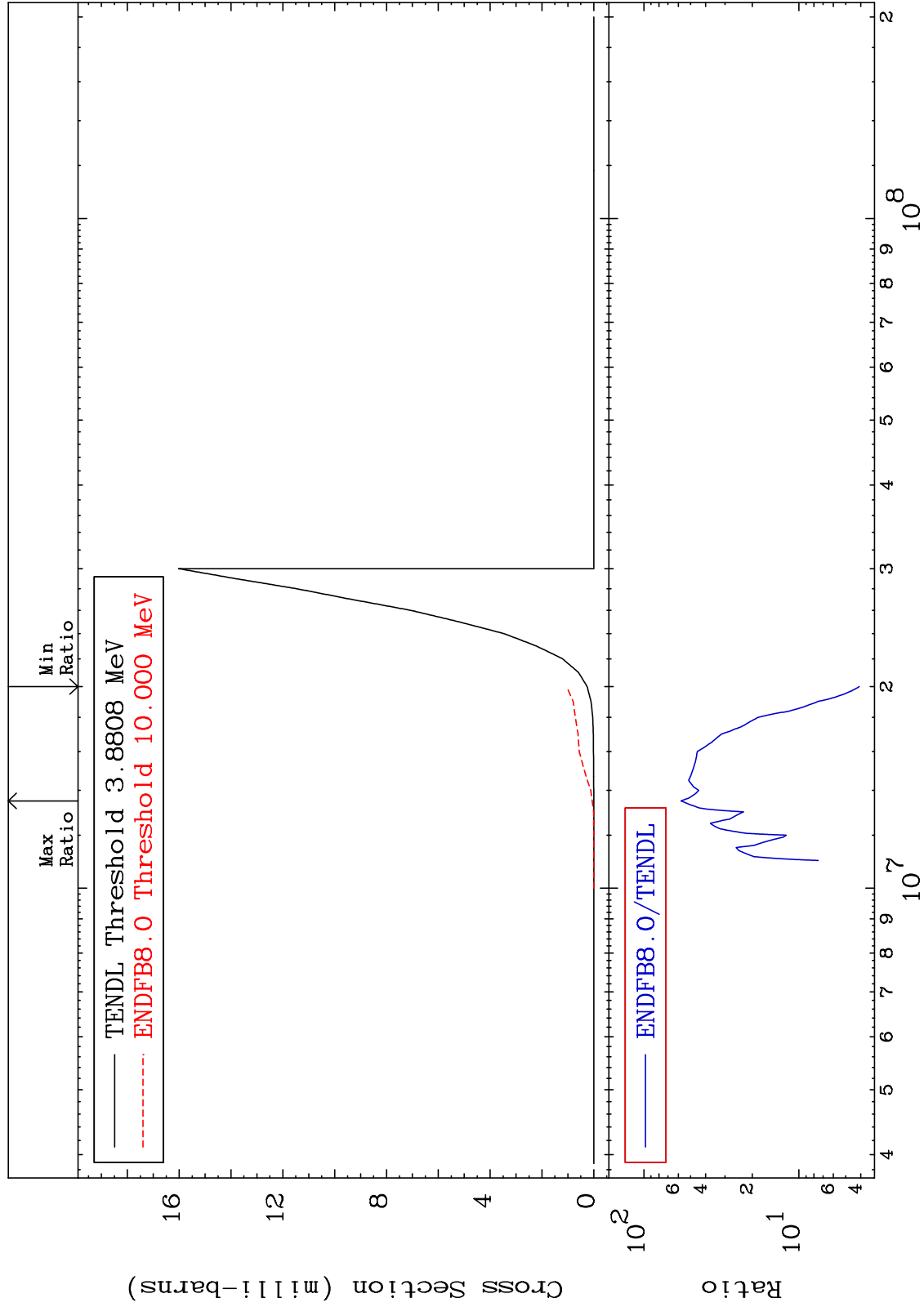
60-Nd-145

MAT 6034

(n,2n) α

60-Nd-145

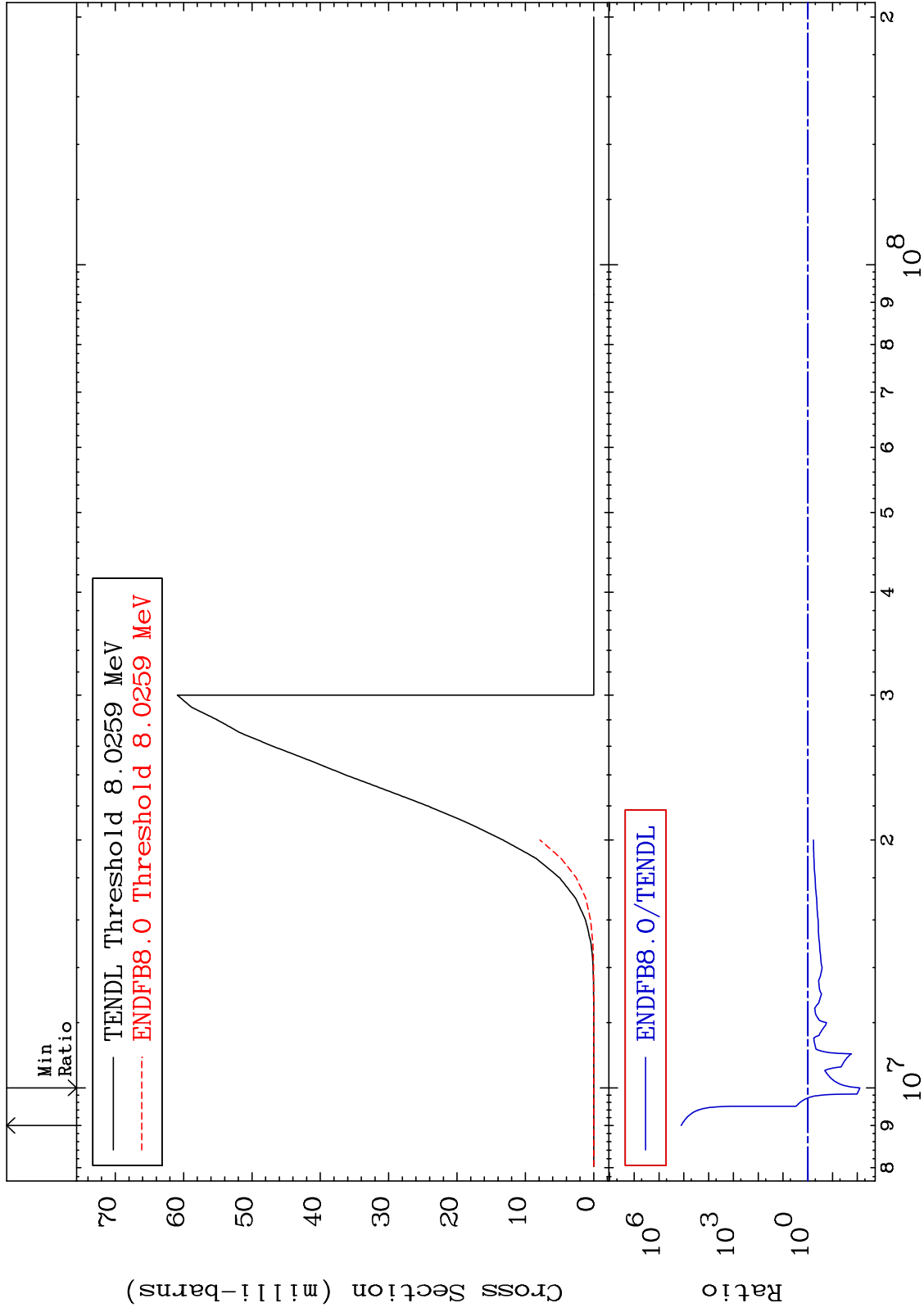
Cross Section 308.5 To 5659. %



MAT 6034

(n,n') p
Cross Section

60-Nd-145
-99.21 To 9999. %



8

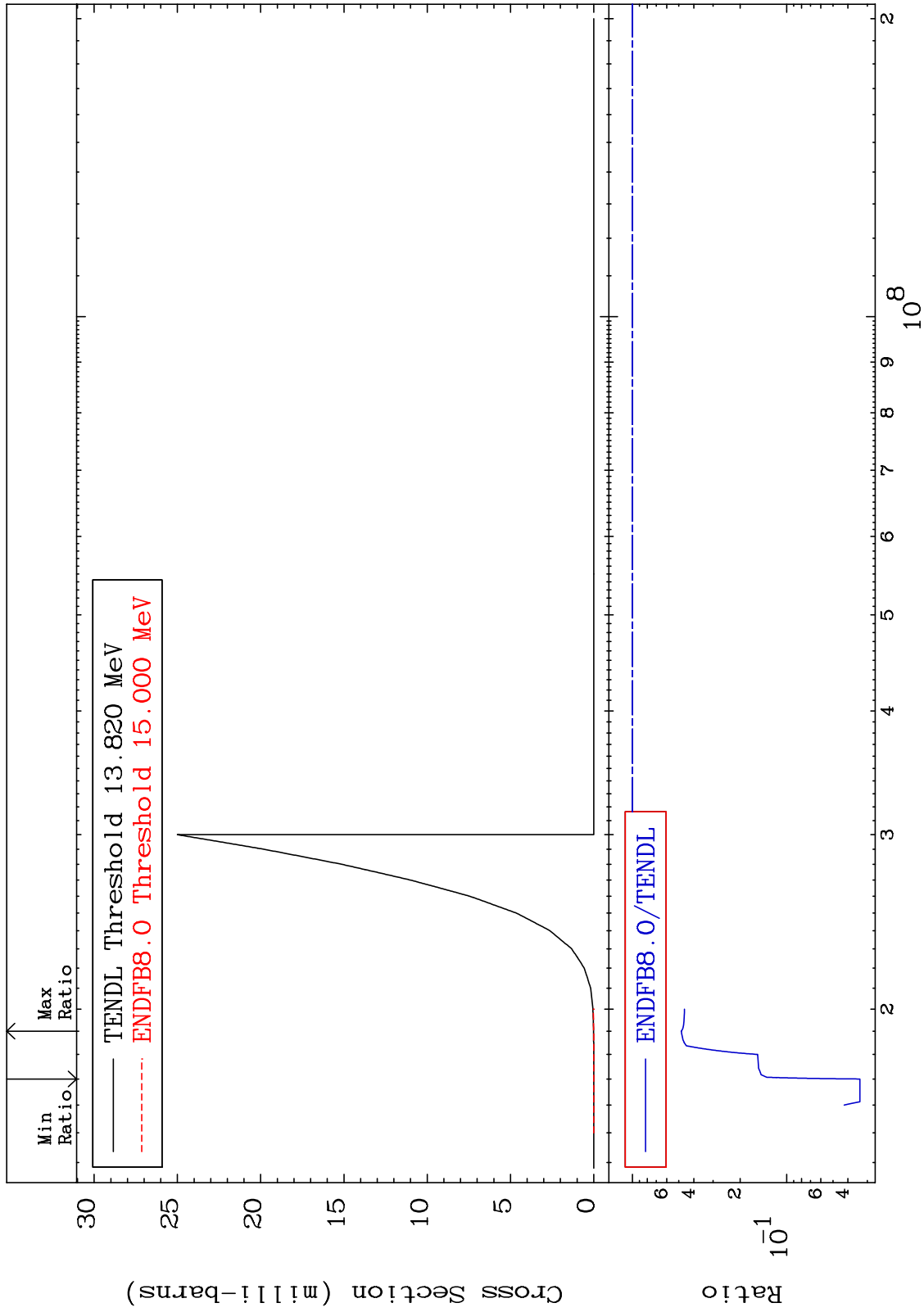
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,2n) p
Cross Section

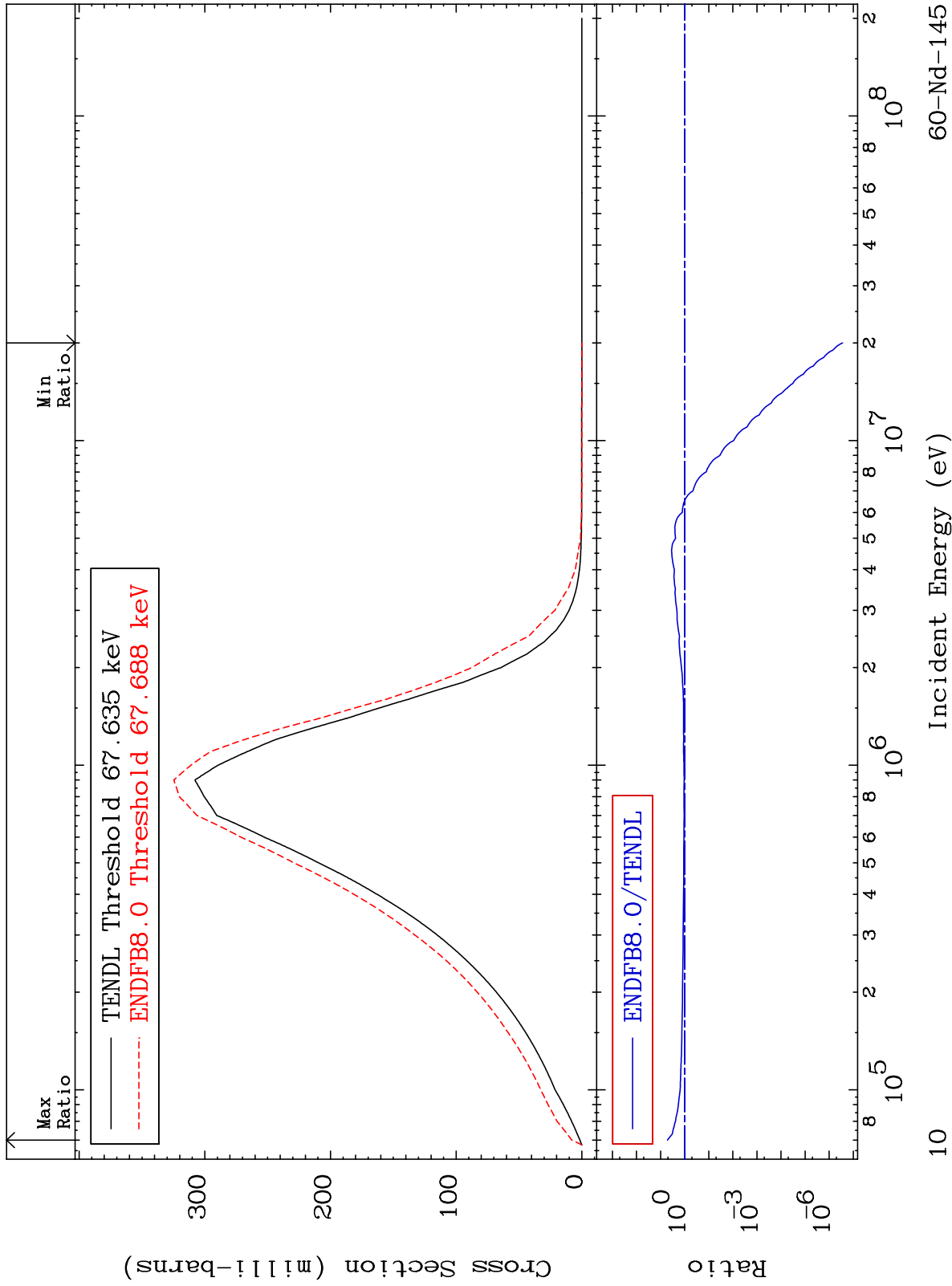
60-Nd-145
-96.66 To -51.74%



MAT 6034

MT= 51 (n,n') Level
Cross Section

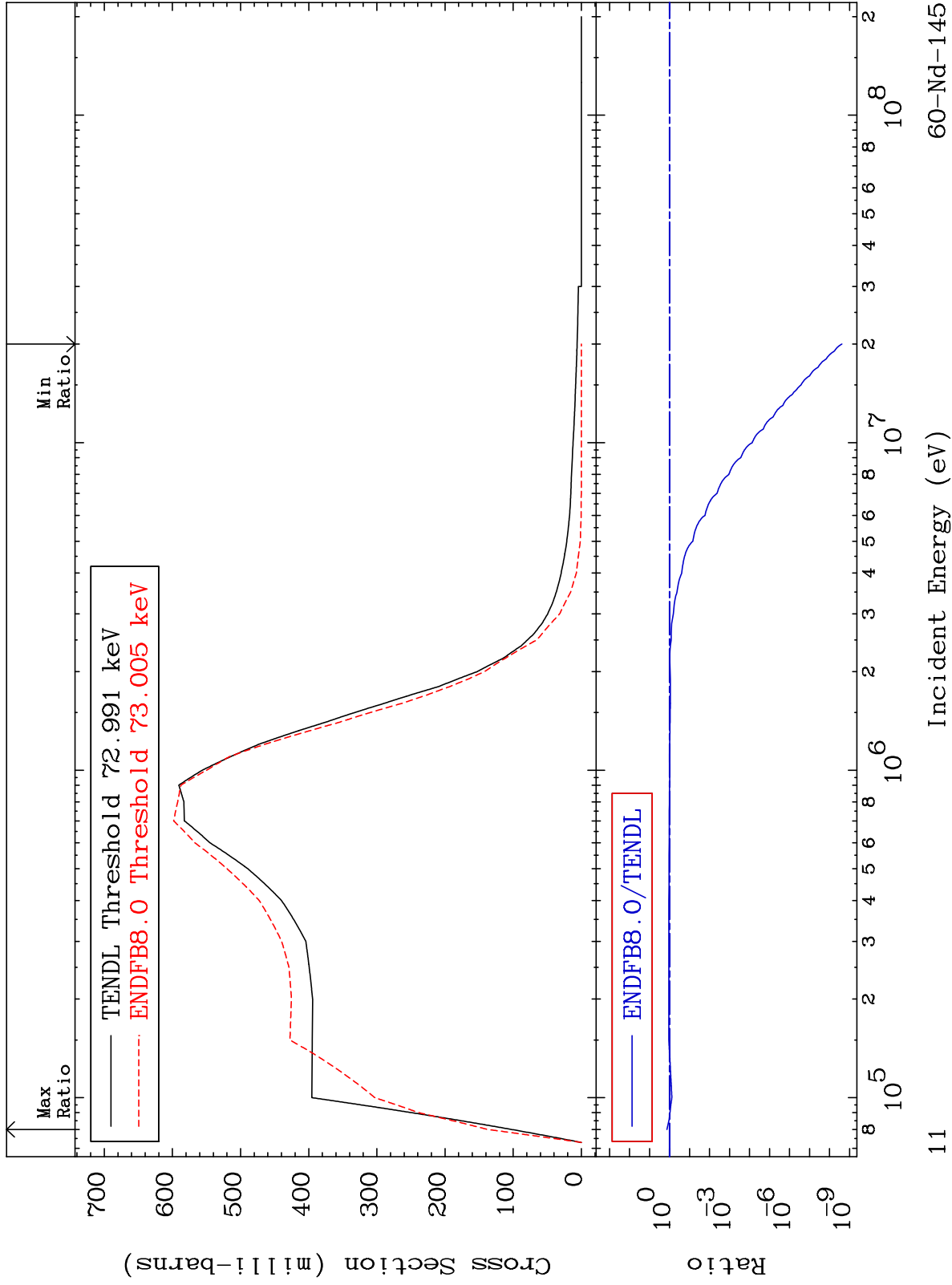
60-Nd-145
-100.0 To 414.7 %



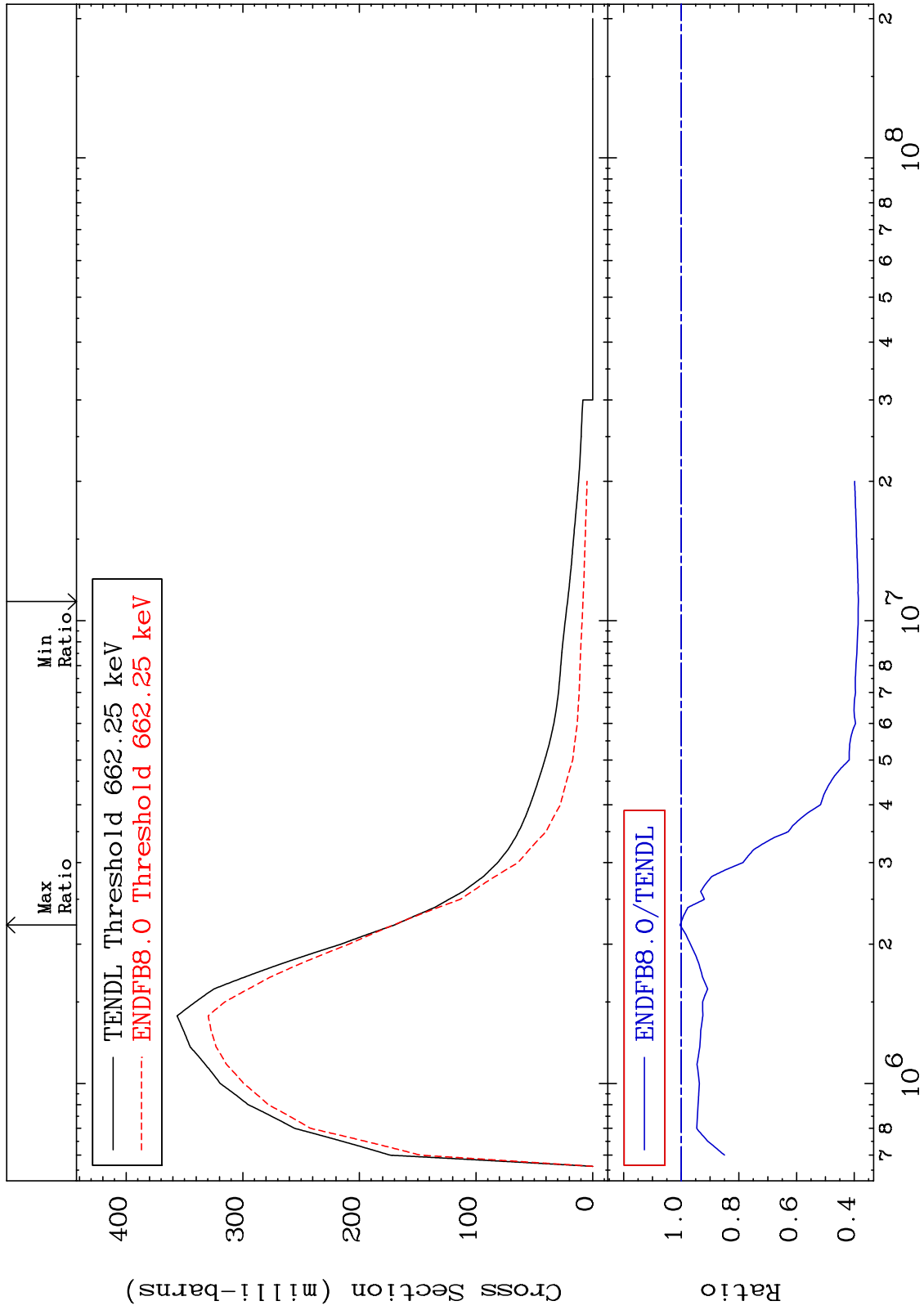
MAT 6034

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

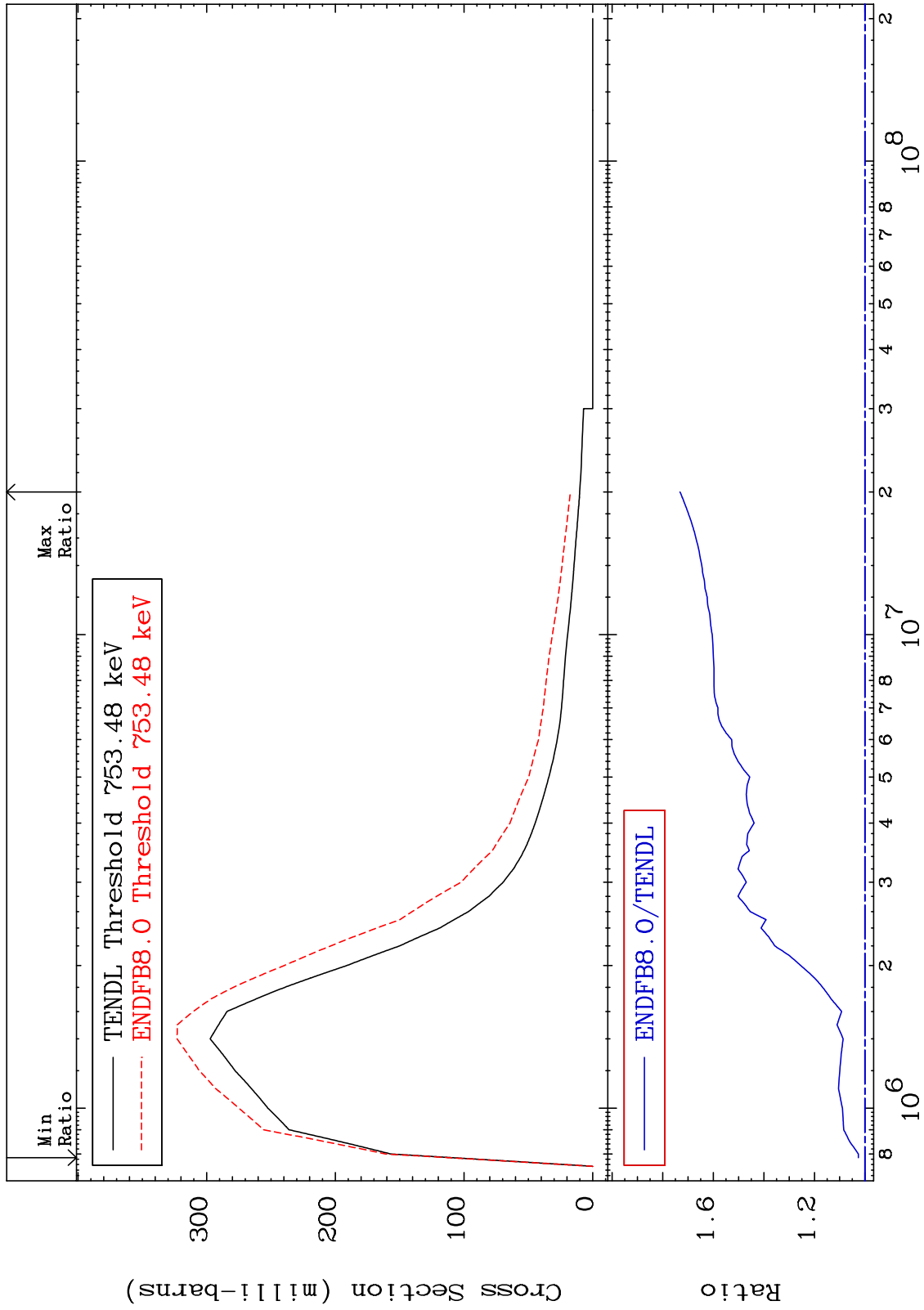
60-Nd-145
-100.0 To 34.21 %



MAT 6034 MT= 53 (n,n') Level Cross Section 60-Nd-145 -61.45 To 0.435 %

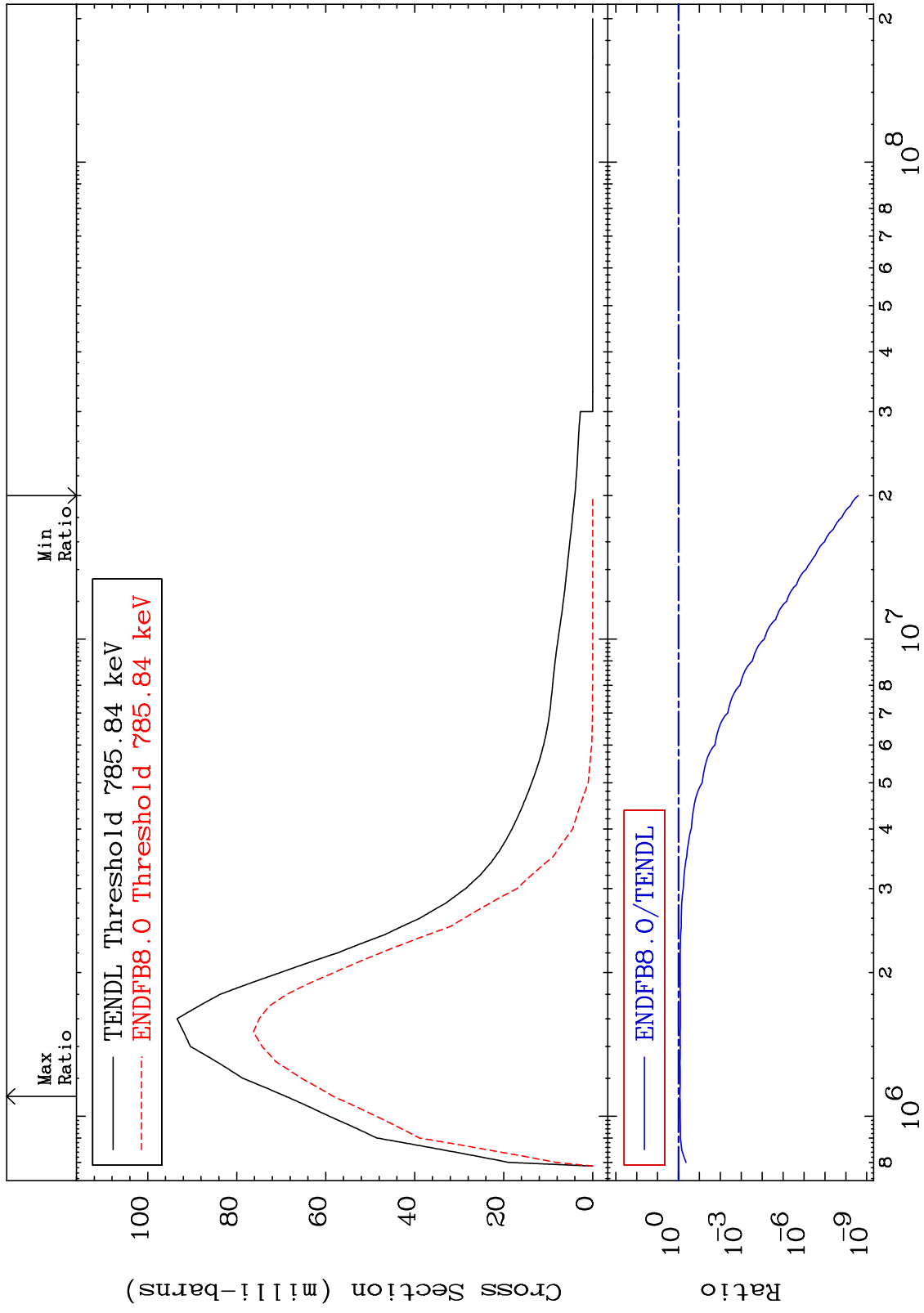


MAT 6034 MT= 54 (n,n') Level Cross Section 60-Nd-145 To 73.17 %



13 60-Nd-145

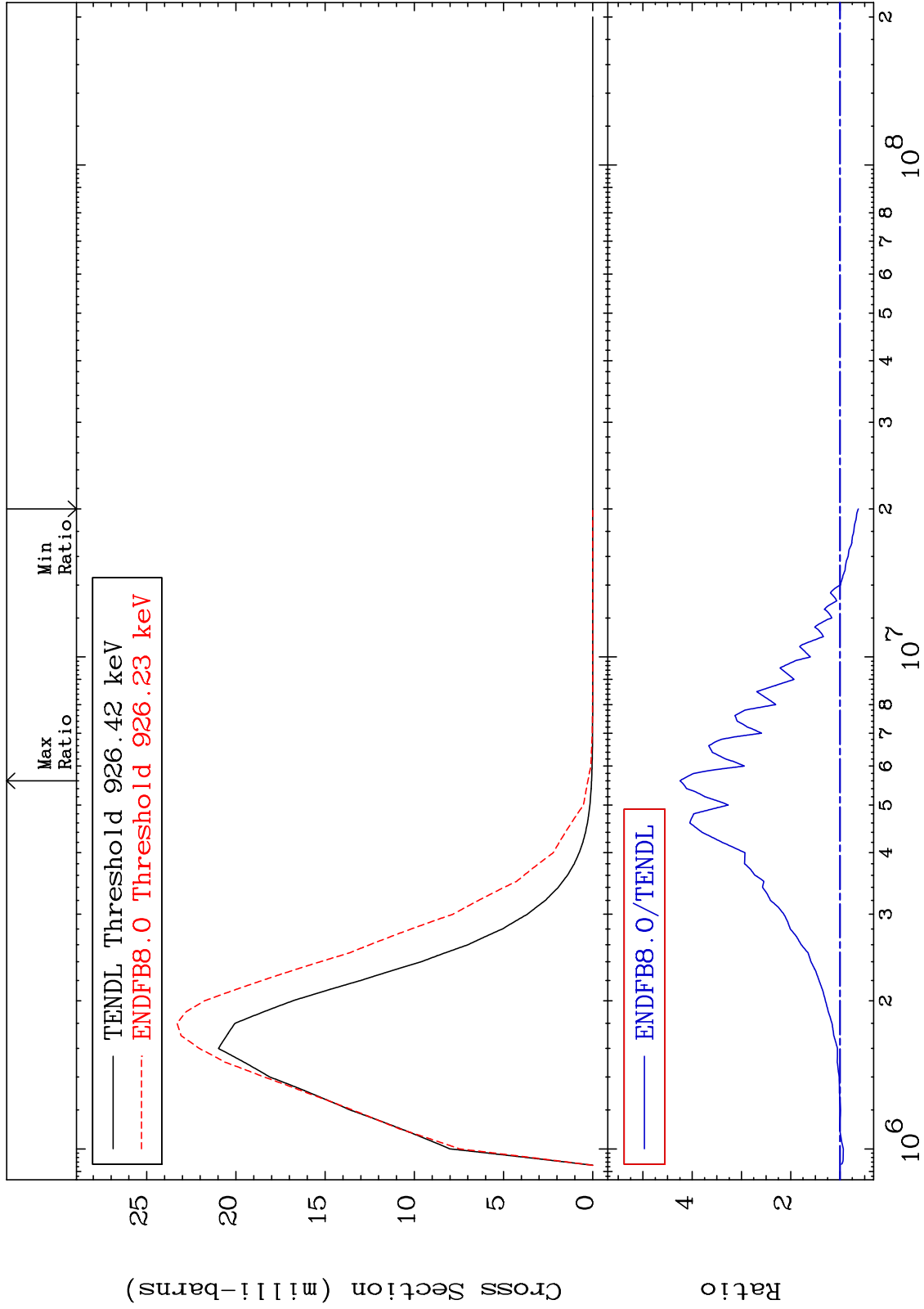
MAT 6034 MT= 55 (n,n') Level 60-Nd-145
 Cross Section -100.0 To -15.45%



MAT 6034

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

60-Nd-145
-37.43 To 324.7 %

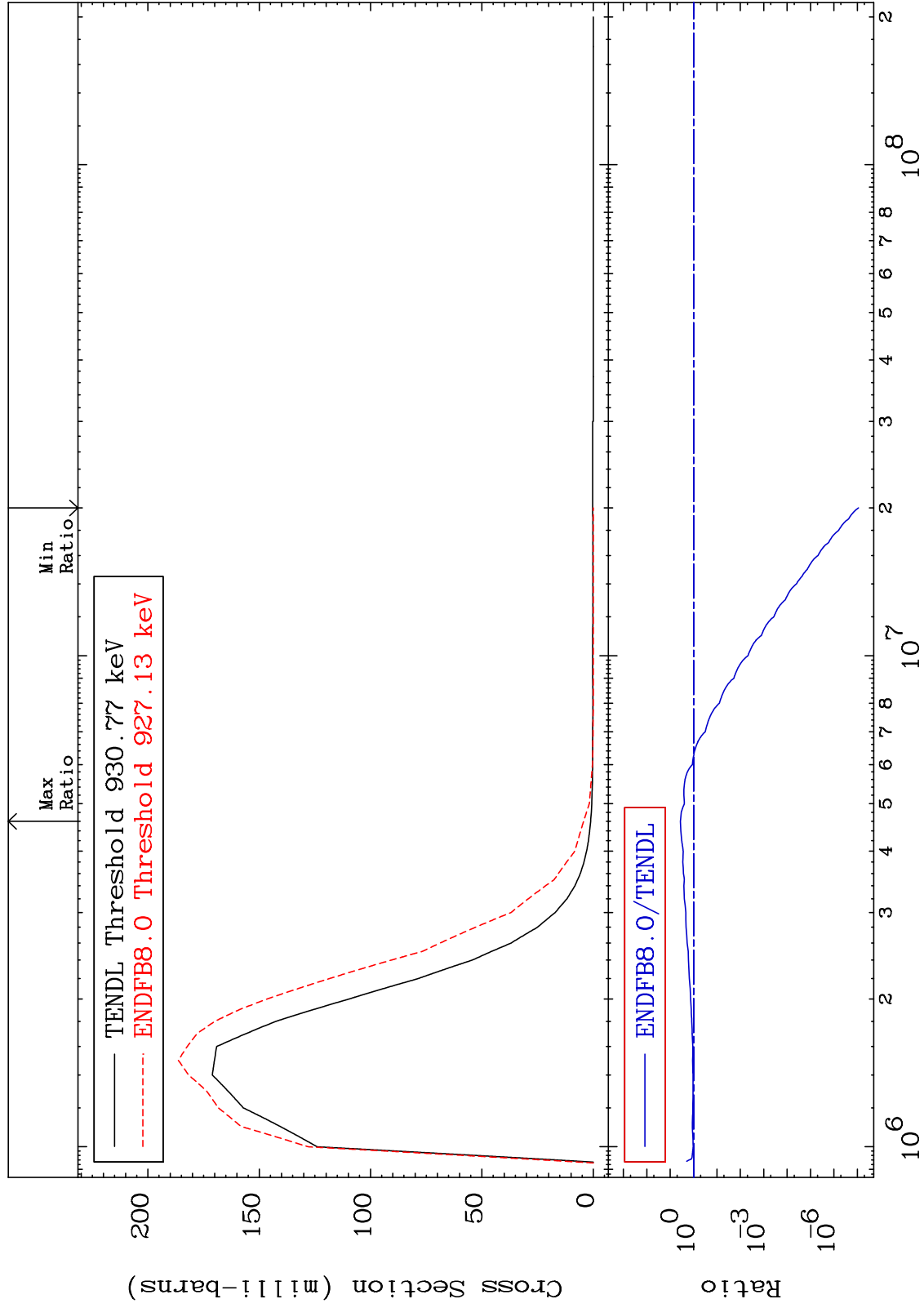


60-Nd-145

MAT 6034

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

60-Nd-145
-100.0 To 263.4 %



Incident Energy (eV)

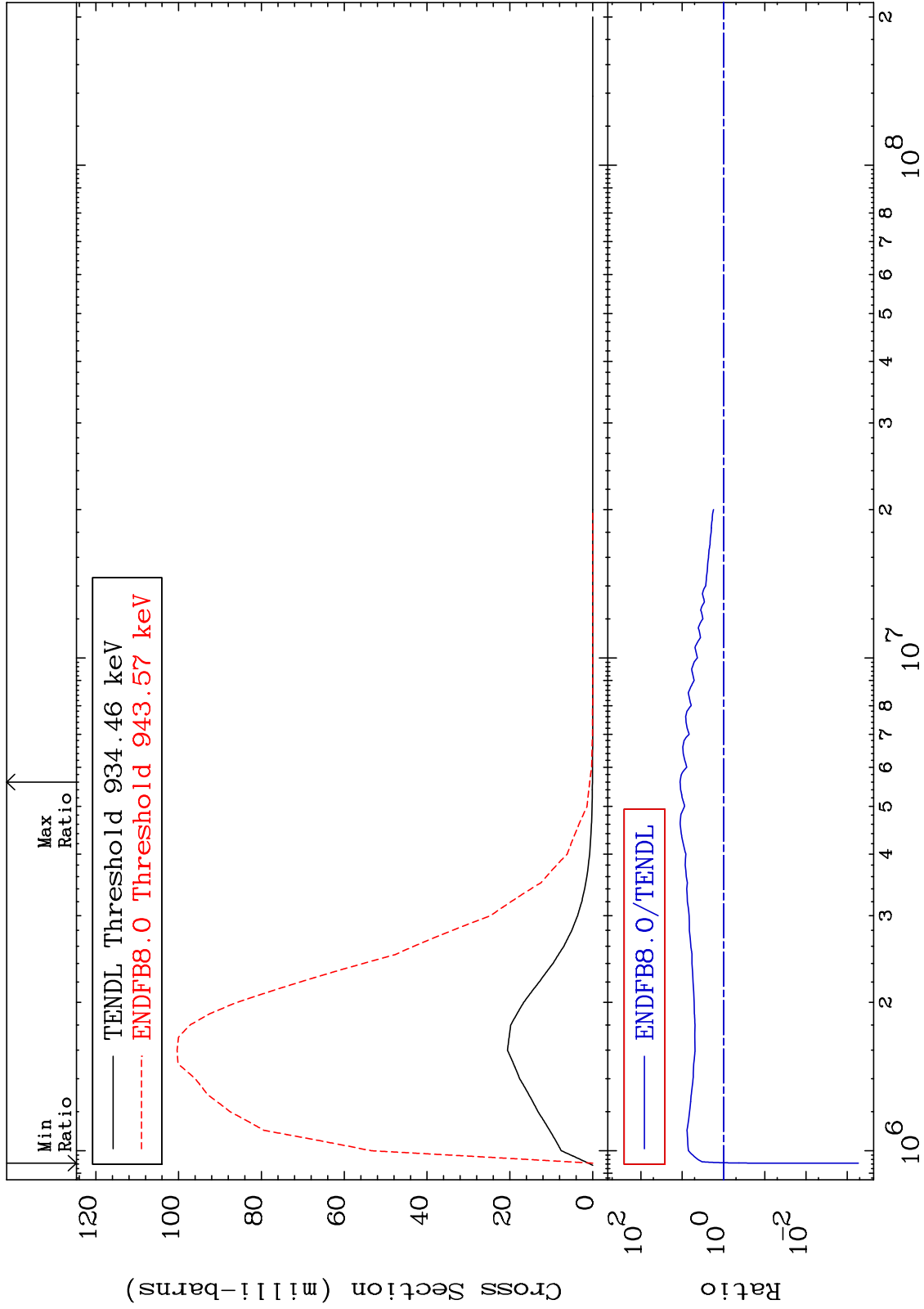
60-Nd-145

16

MAT 6034

MT= 58 (n,n') Level
Cross Section

60-Nd-145
-99.95 To 1029. %



17

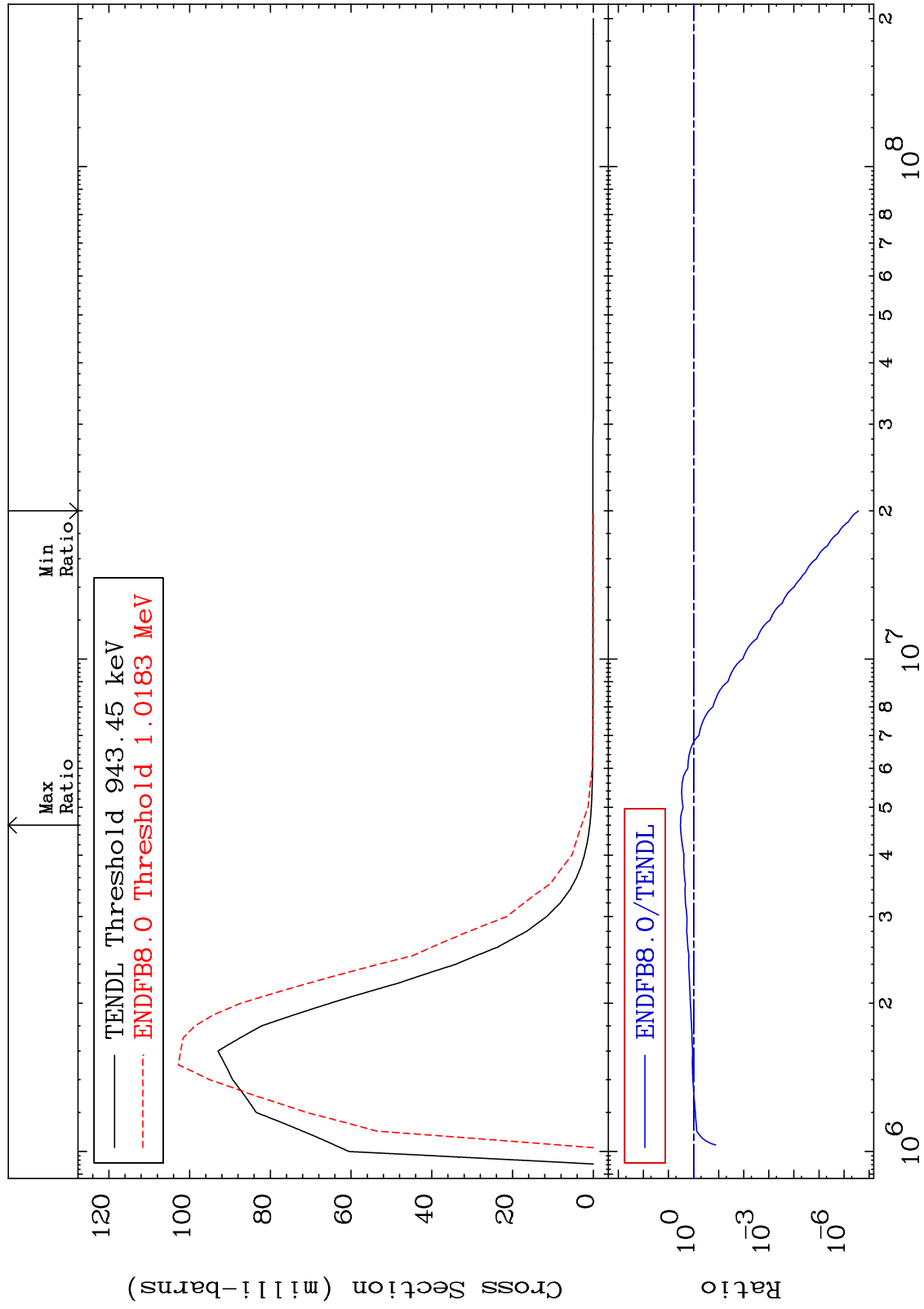
Incident Energy (eV)

60-Nd-145

MAT 6034

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

60-Nd-145
-100.0 To 233.6 %



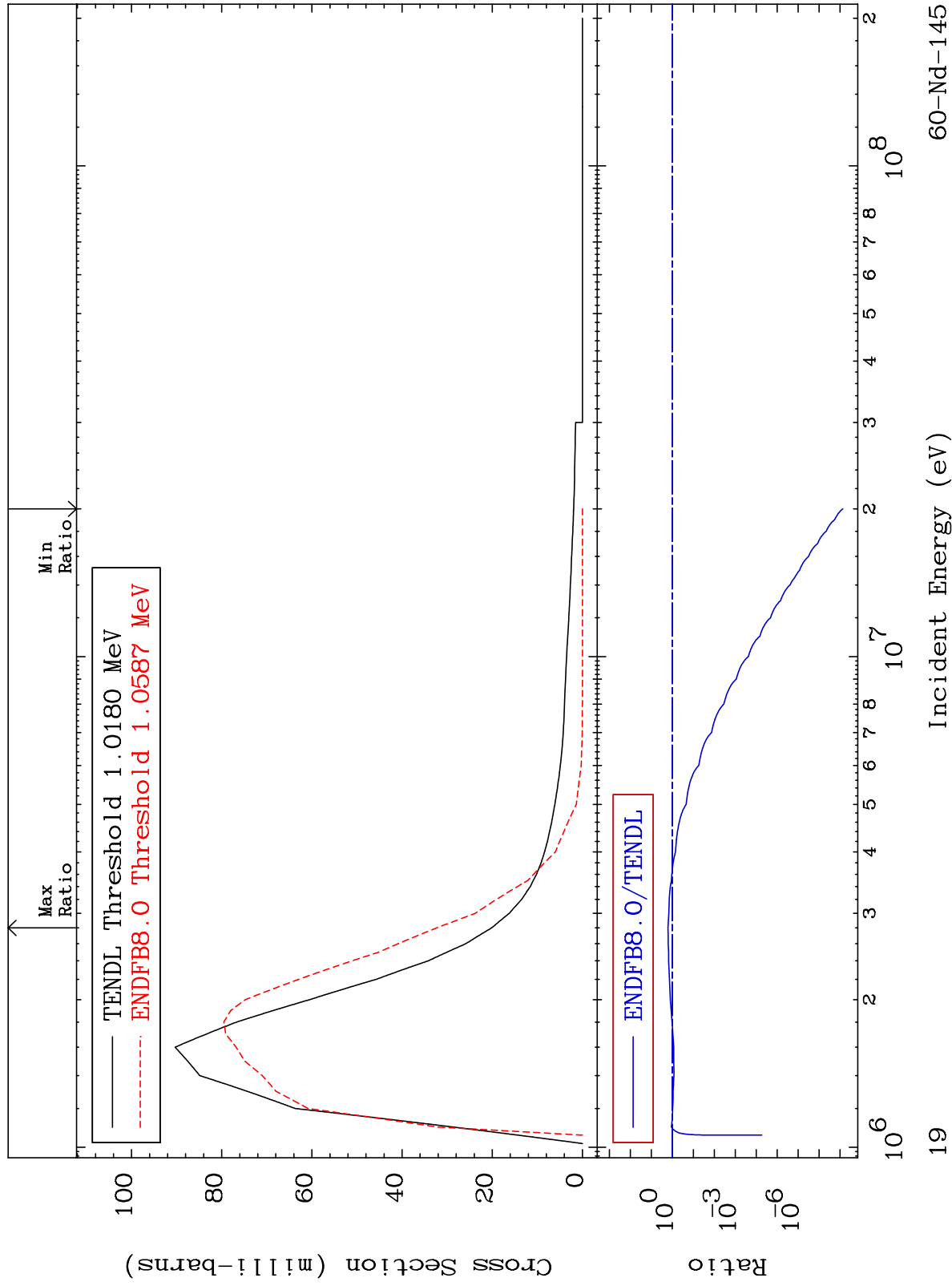
Incident Energy (eV)

60-Nd-145

MAT 6034

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

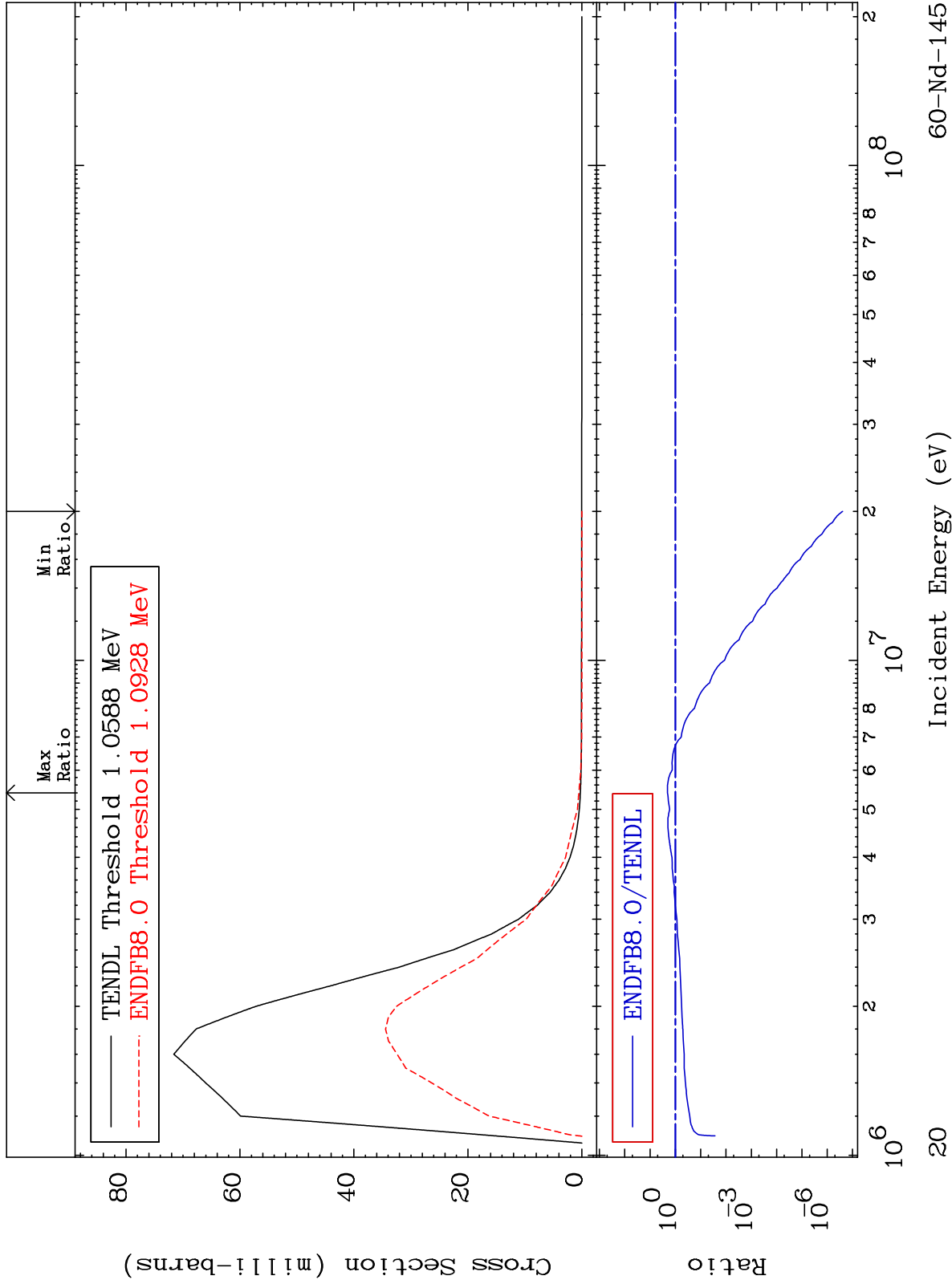
60-Nd-145
-100.0 To 60.35 %



MAT 6034

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

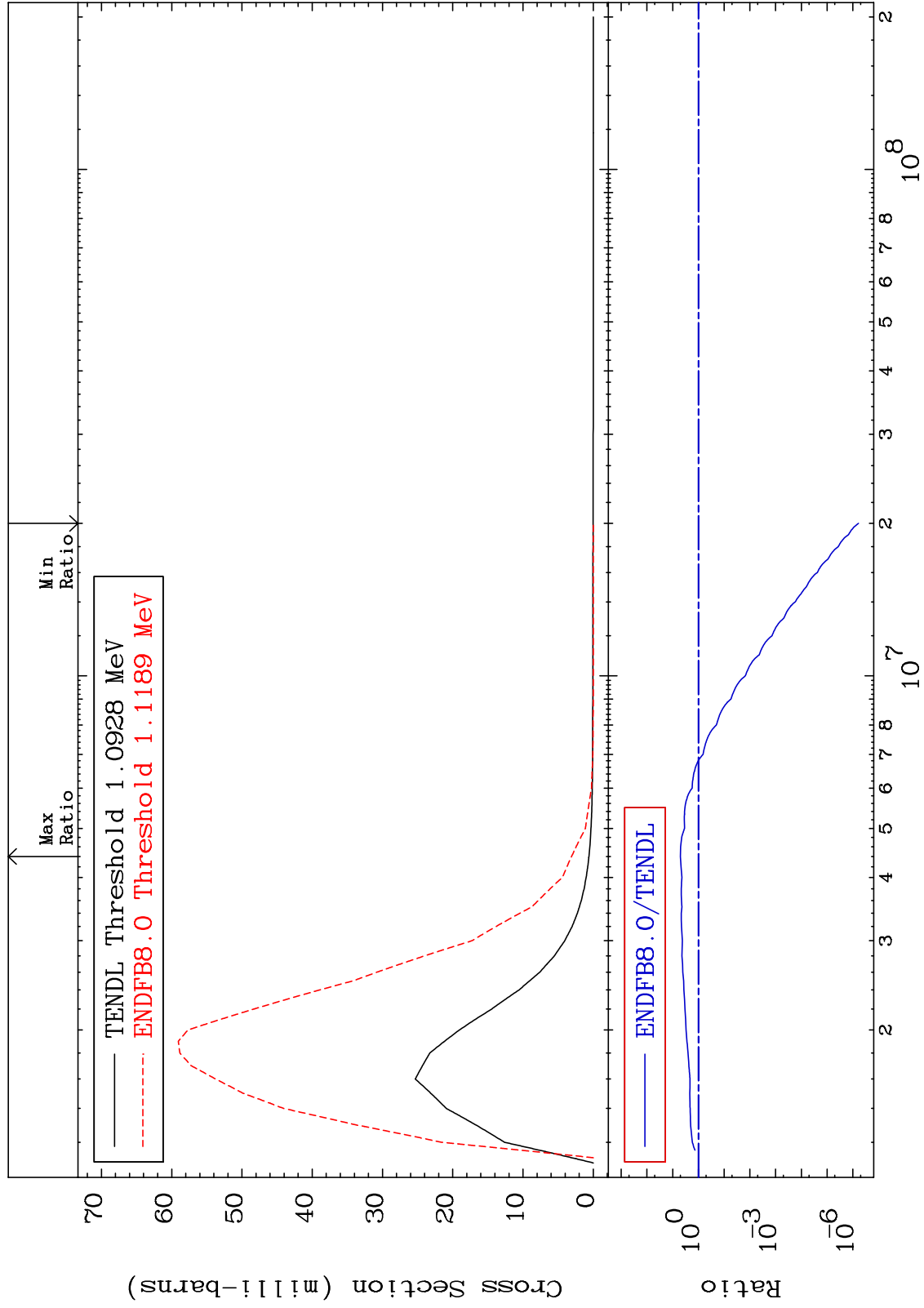
60-Nd-145
-100.0 To 103.7 %

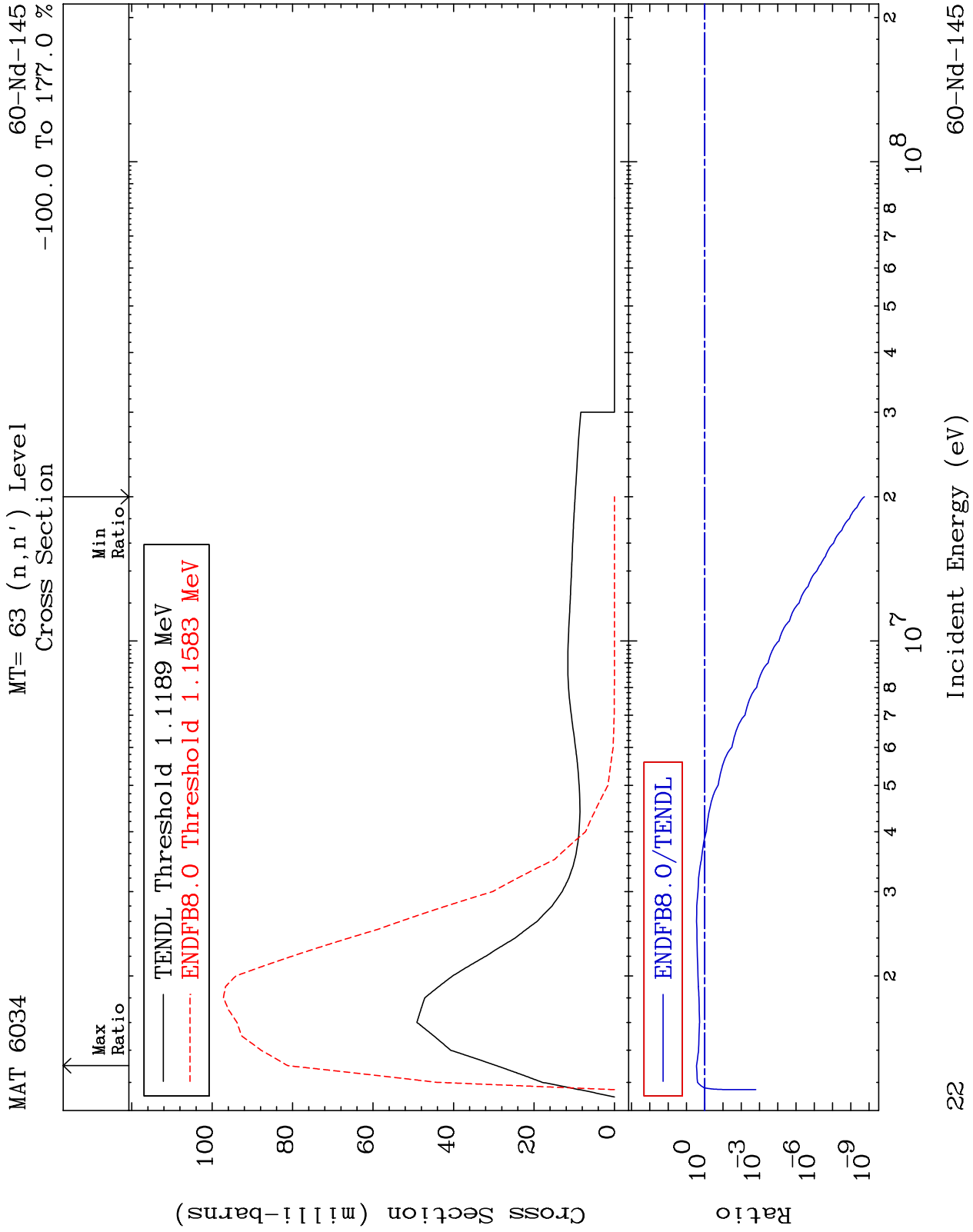


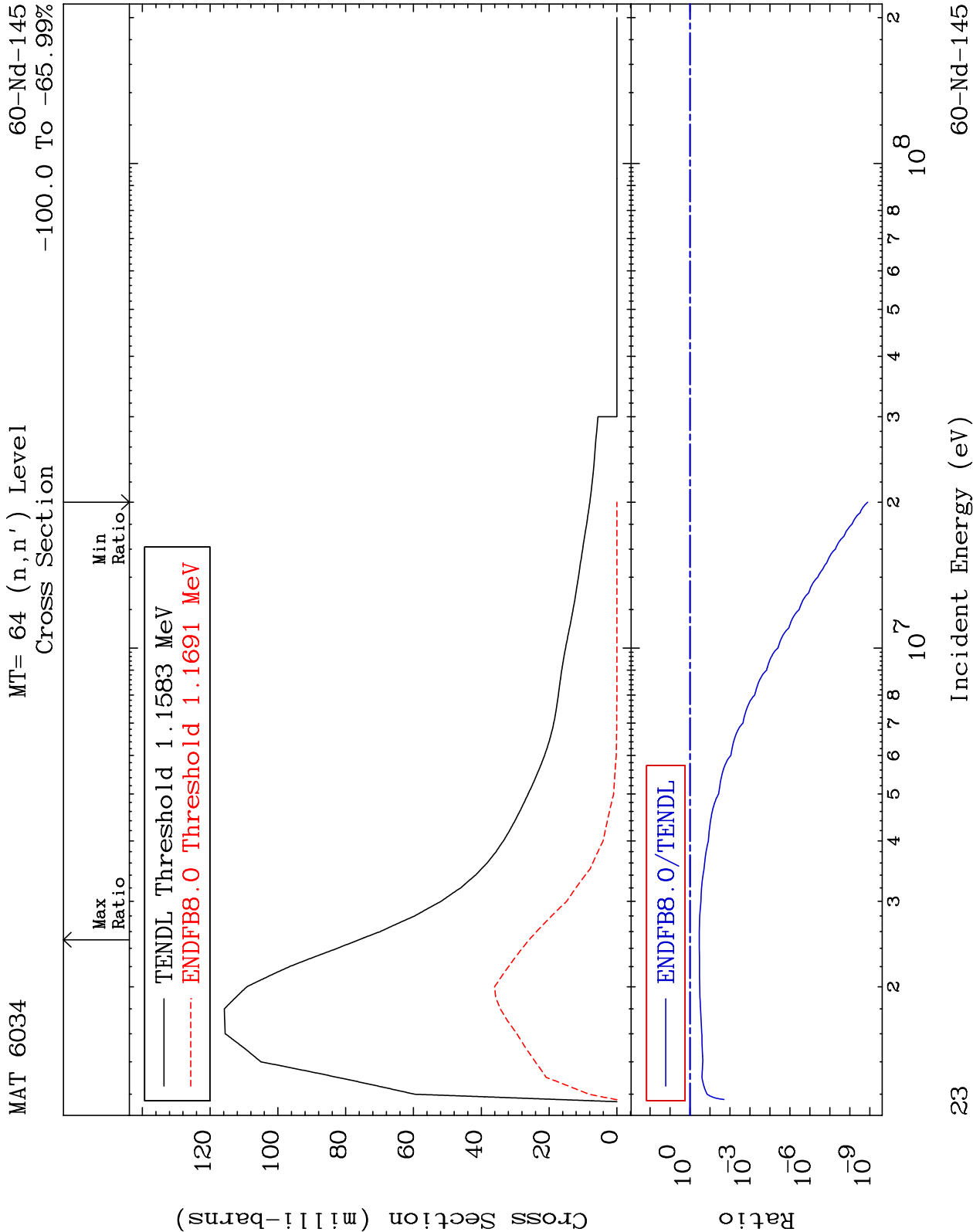
MAT 6034

MT= 62 (n,n') Level
Cross Section

60-Nd-145
-100.0 To 399.4 %



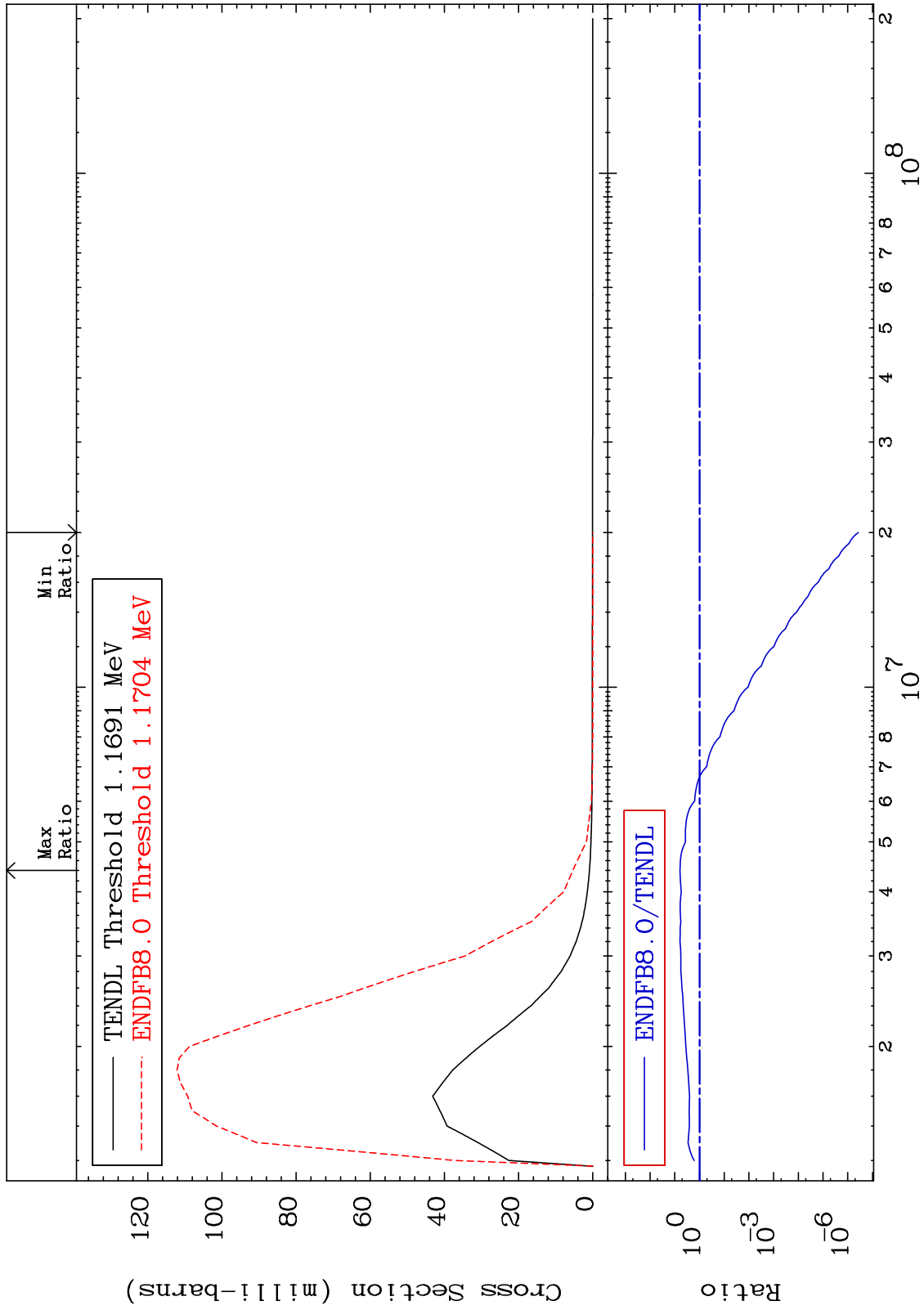




MAT 6034

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

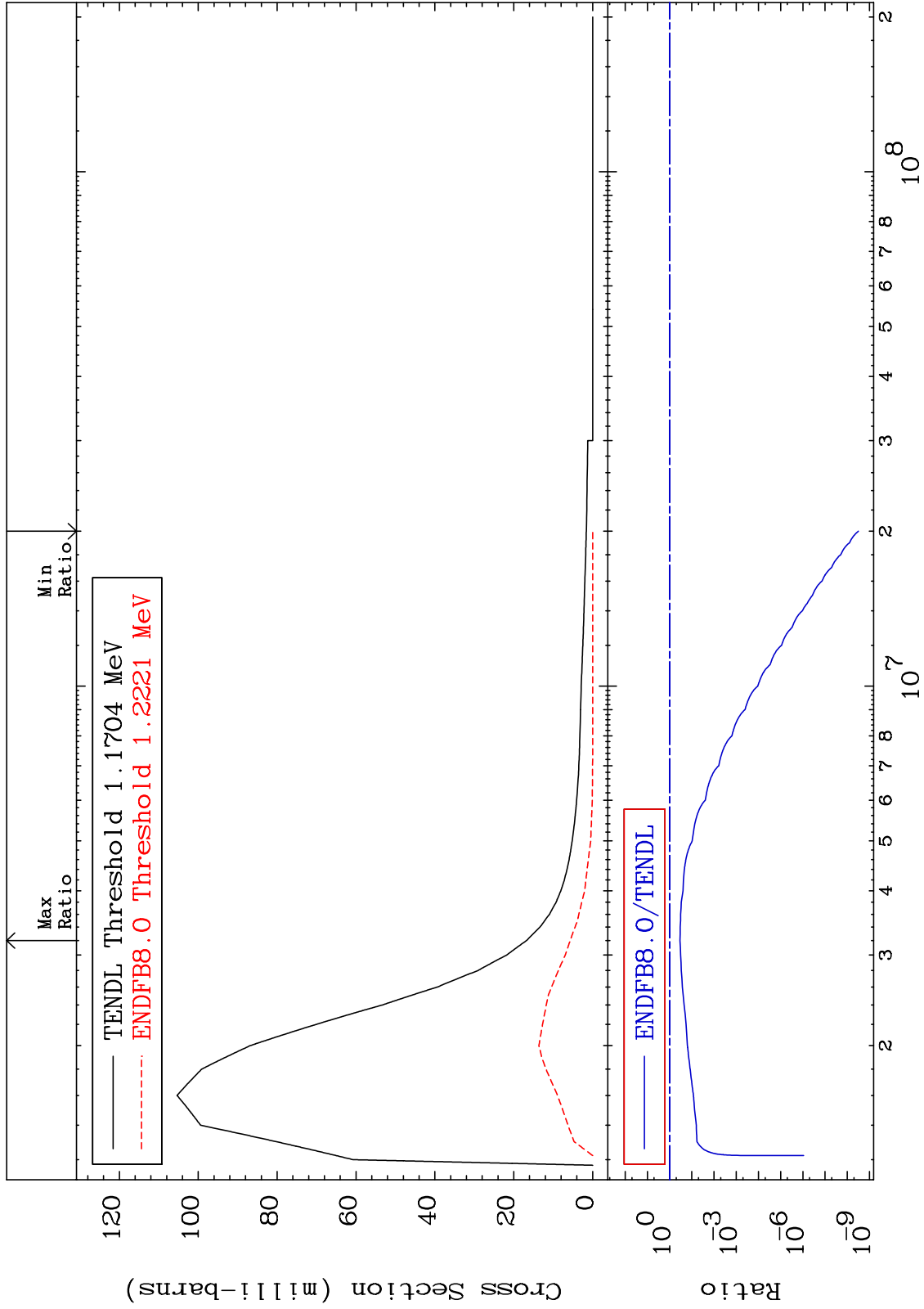
60-Nd-145
-100.0 To 513.7 %



MAT 6034

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

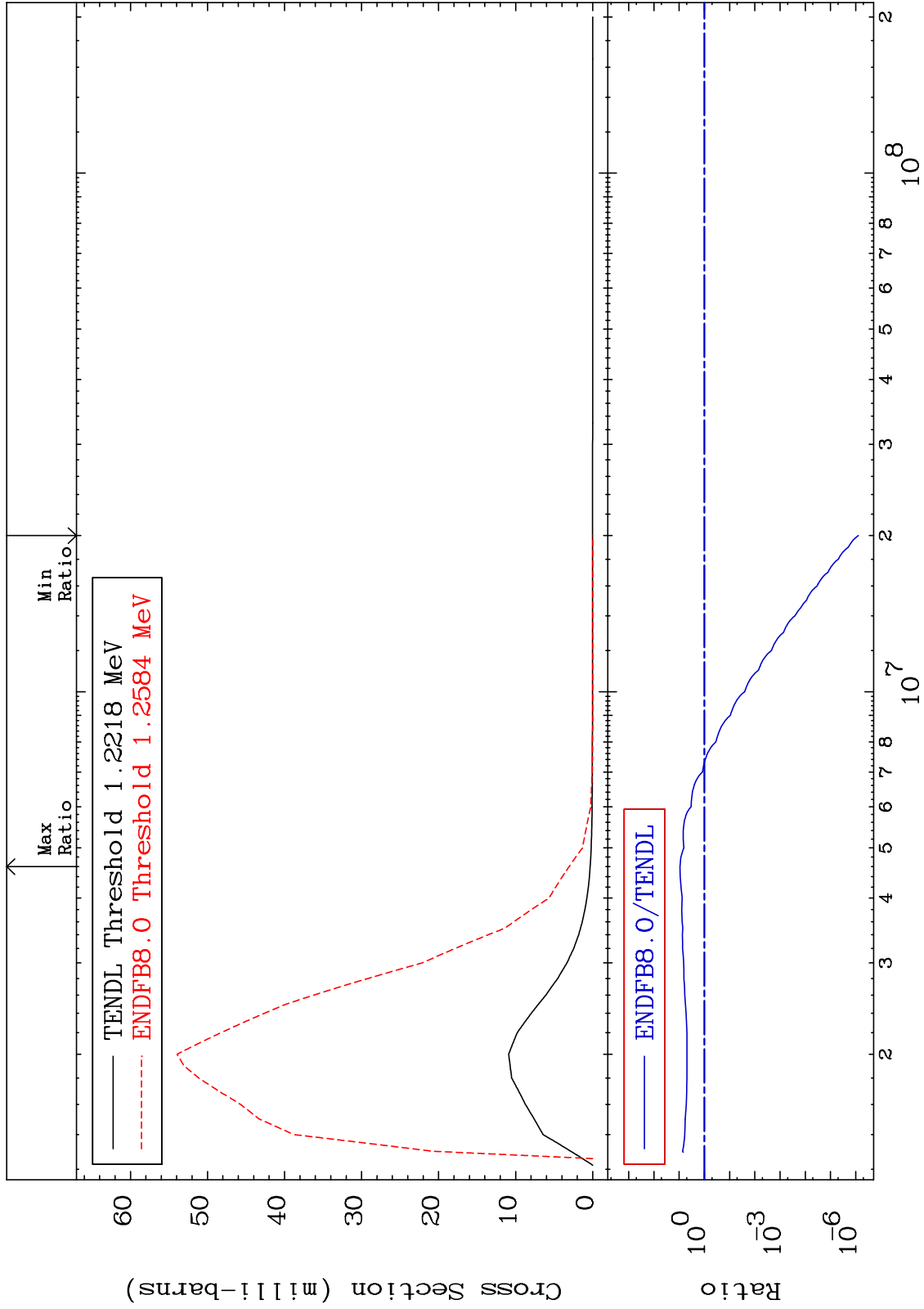
60-Nd-145
-100.0 To -66.02%



MAT 6034

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

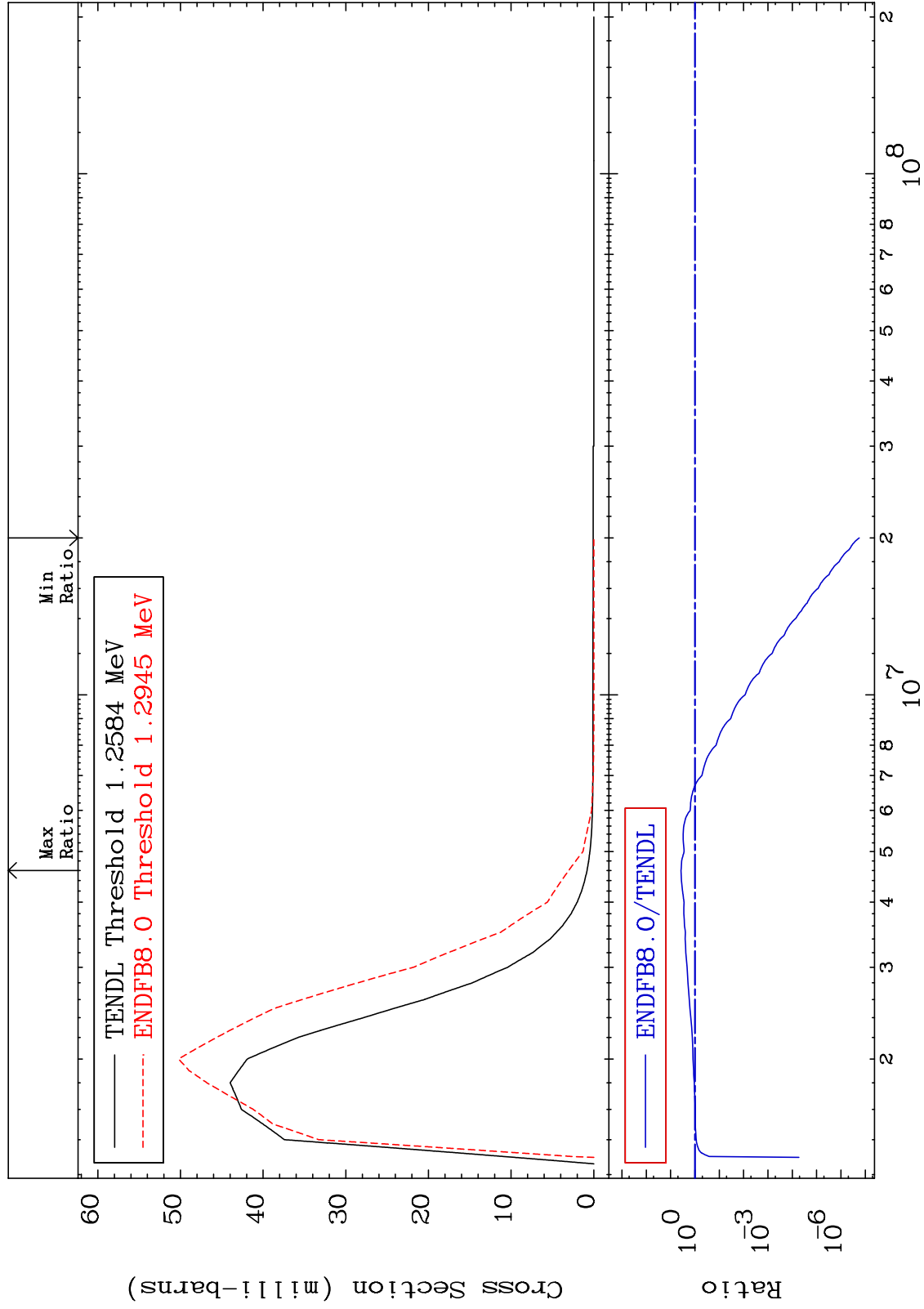
60-Nd-145
-100.0 To 821.7 %



MAT 6034

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

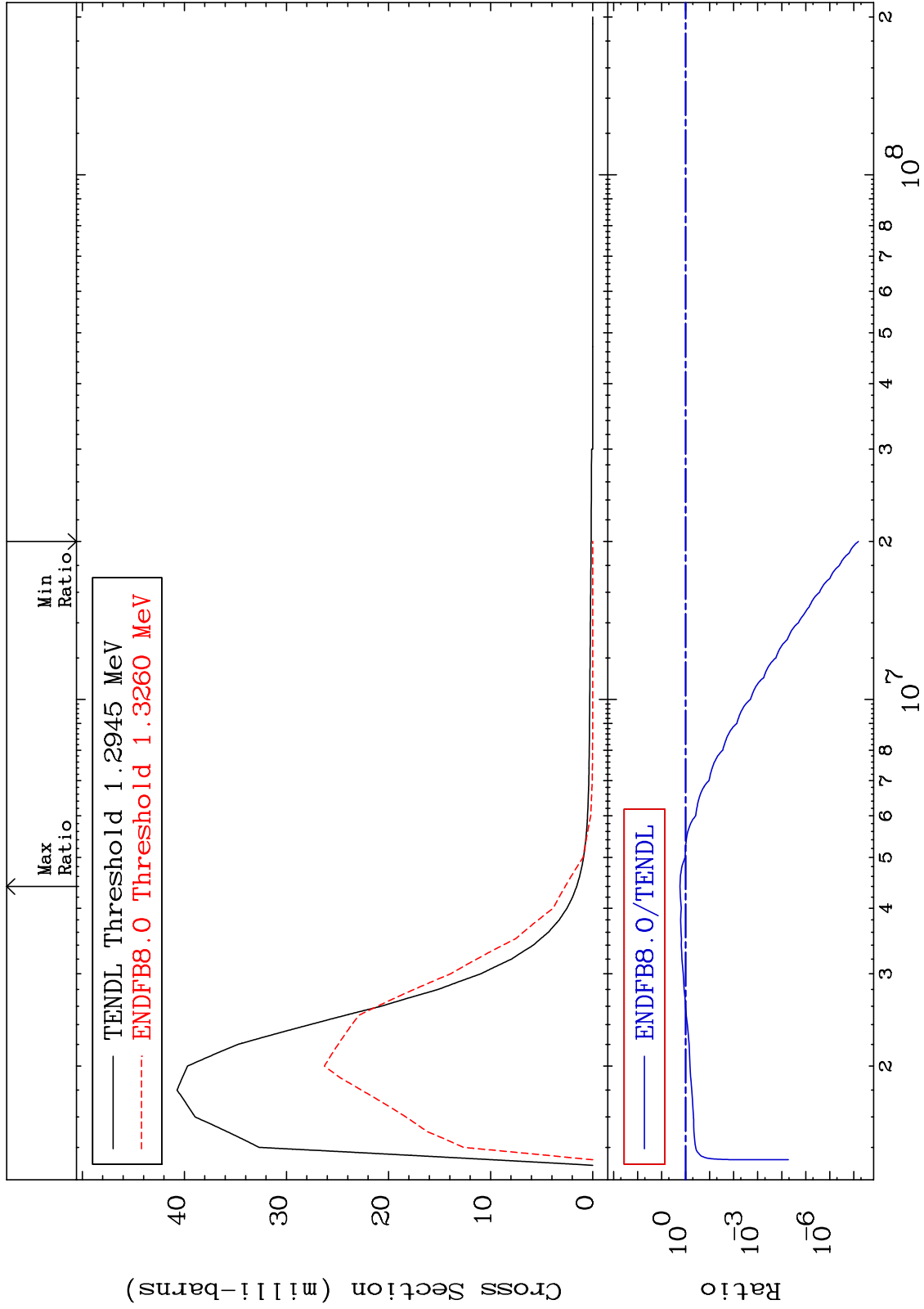
60-Nd-145
-100.0 To 271.0 %



MAT 6034

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

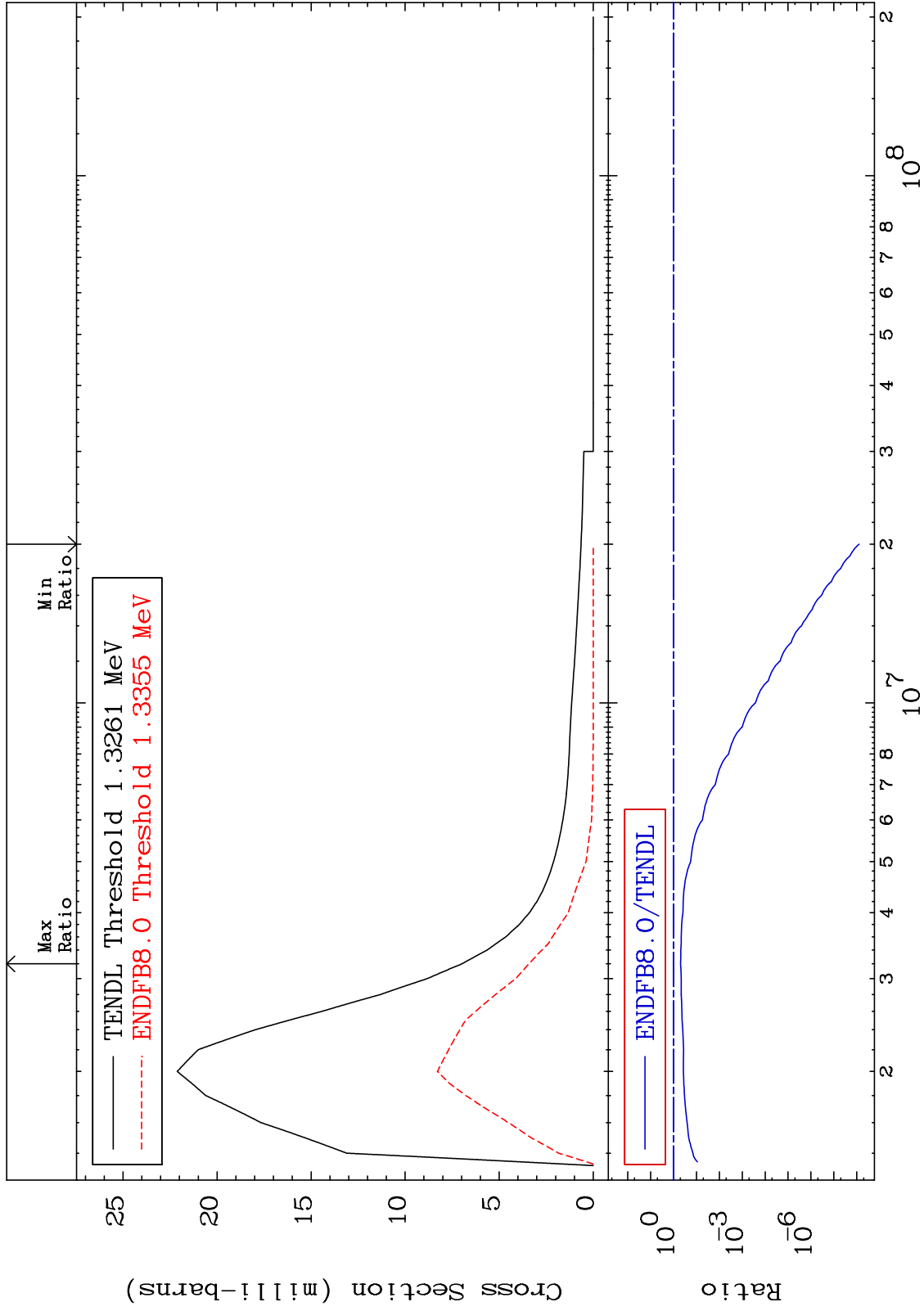
60-Nd-145
-100.0 To 71.74 %



MAT 6034

MT= 70 (n,n') Level
Cross Section

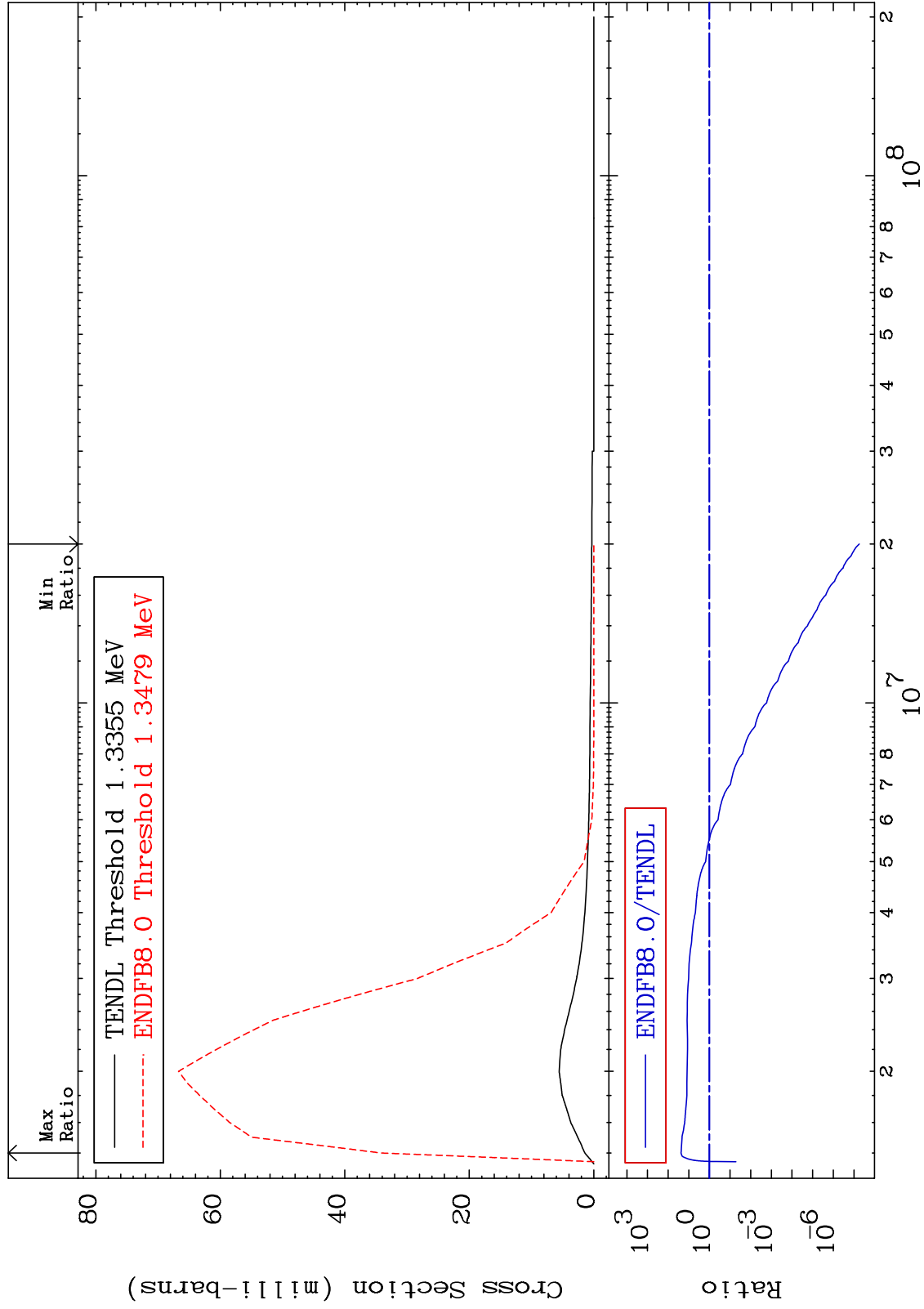
60-Nd-145
-100.0 To -51.05%



MAT 6034

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

60-Nd-145
-100.0 To 2268. %

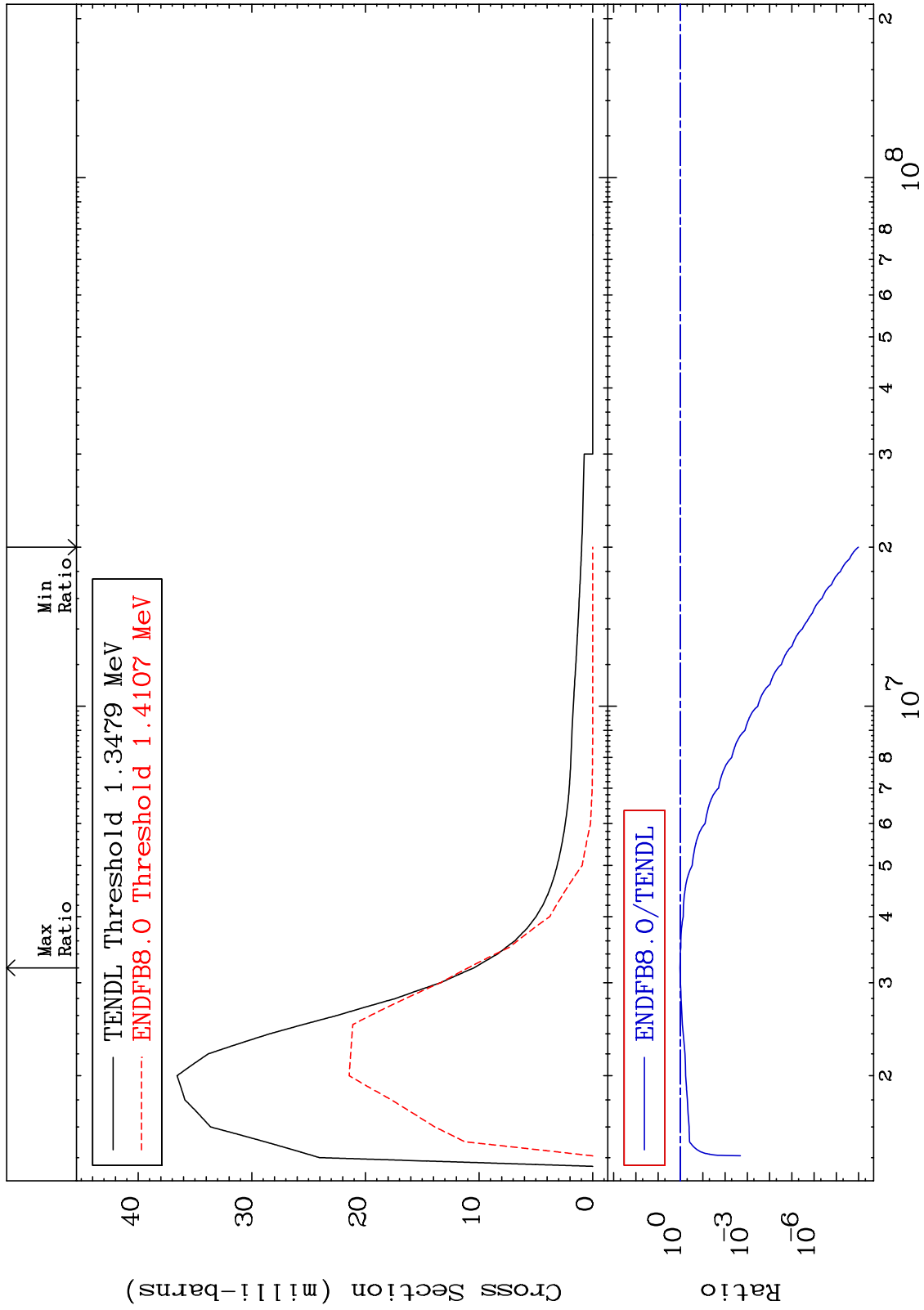


30

Incident Energy (eV)

60-Nd-145

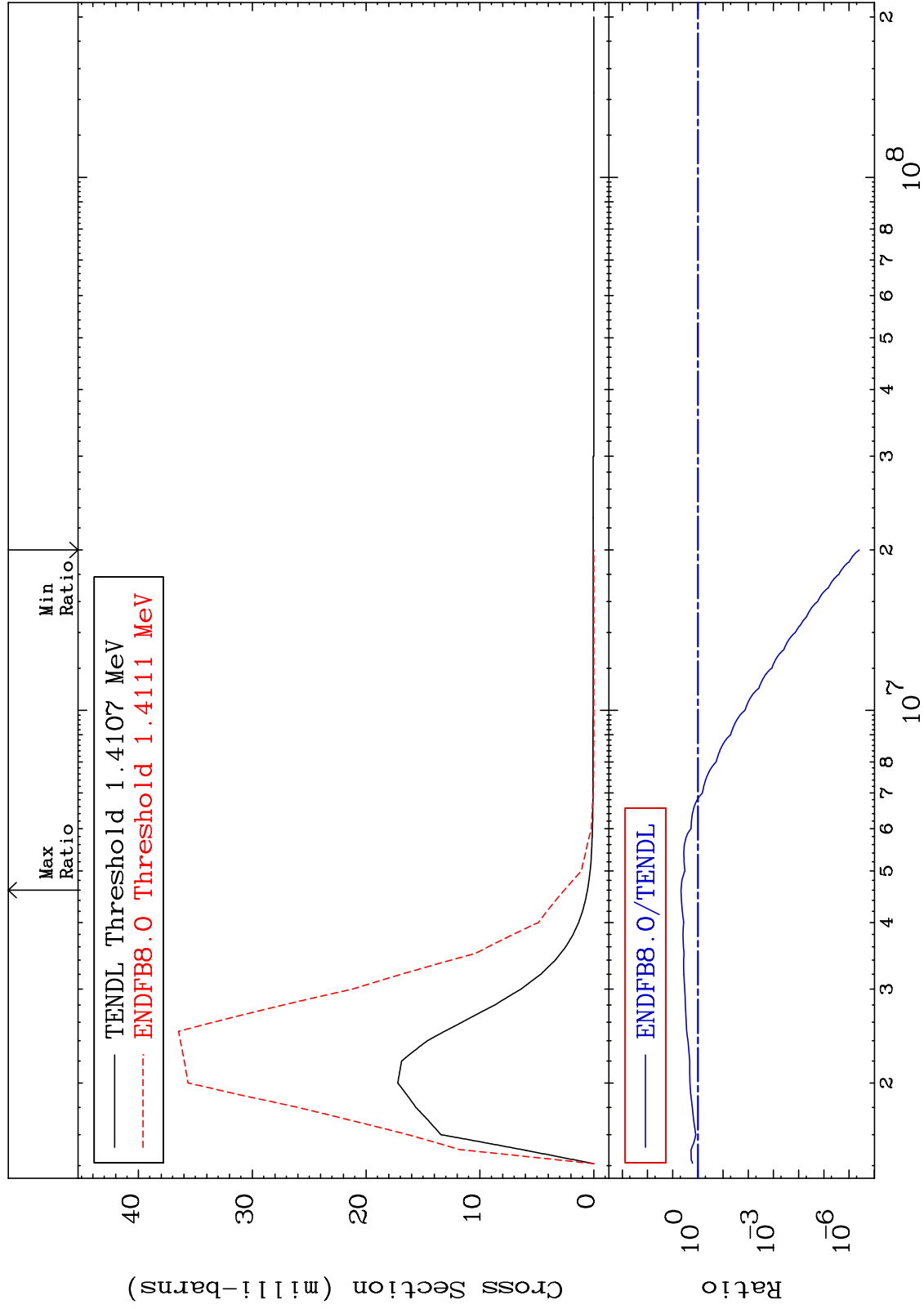
MAT 6034 MT= 72 (n,n') Level
Cross Section 60-Nd-145
-100.0 To 4.838 %



MAT 6034

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

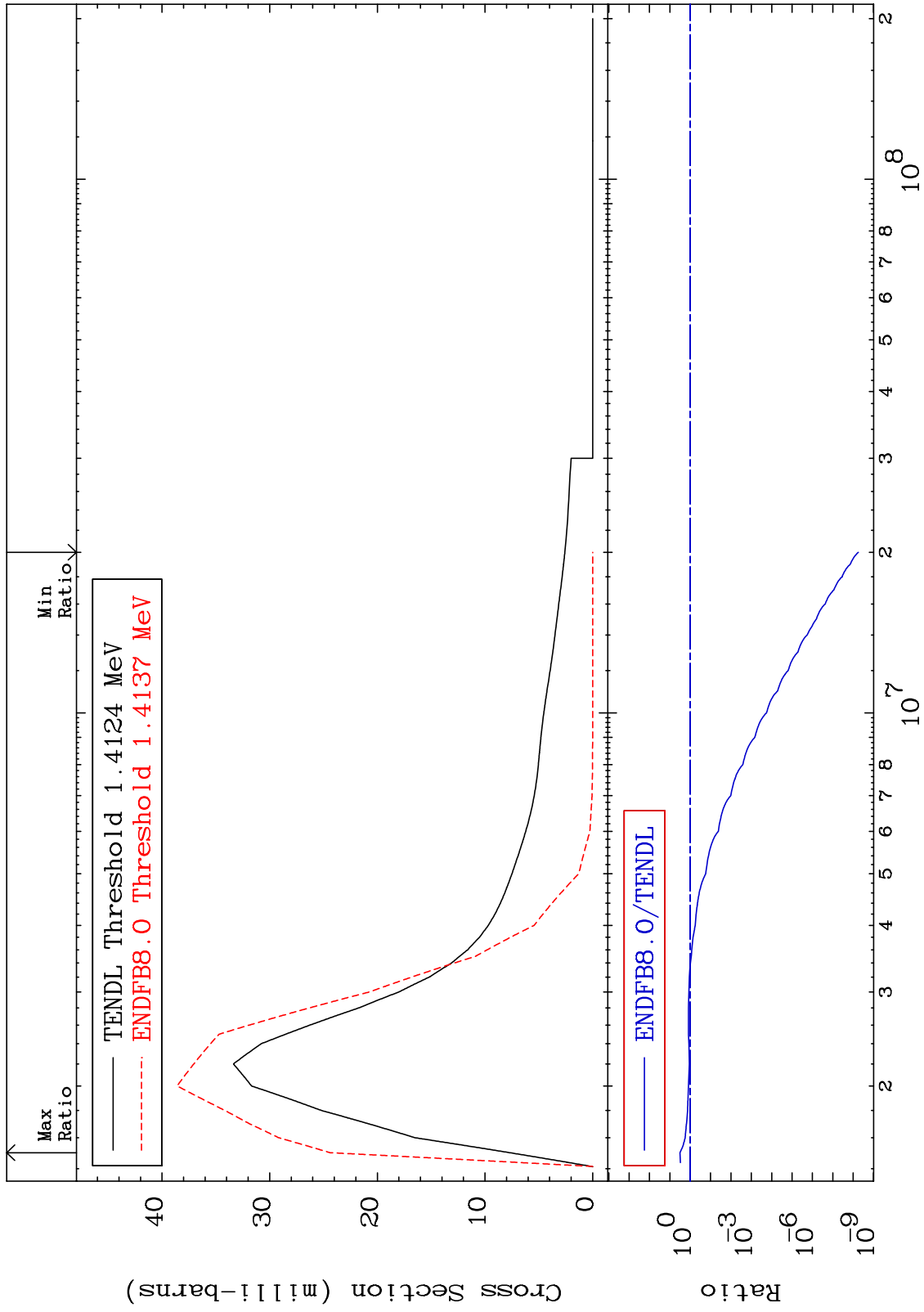
60-Nd-145
-100.0 To 365.3 %



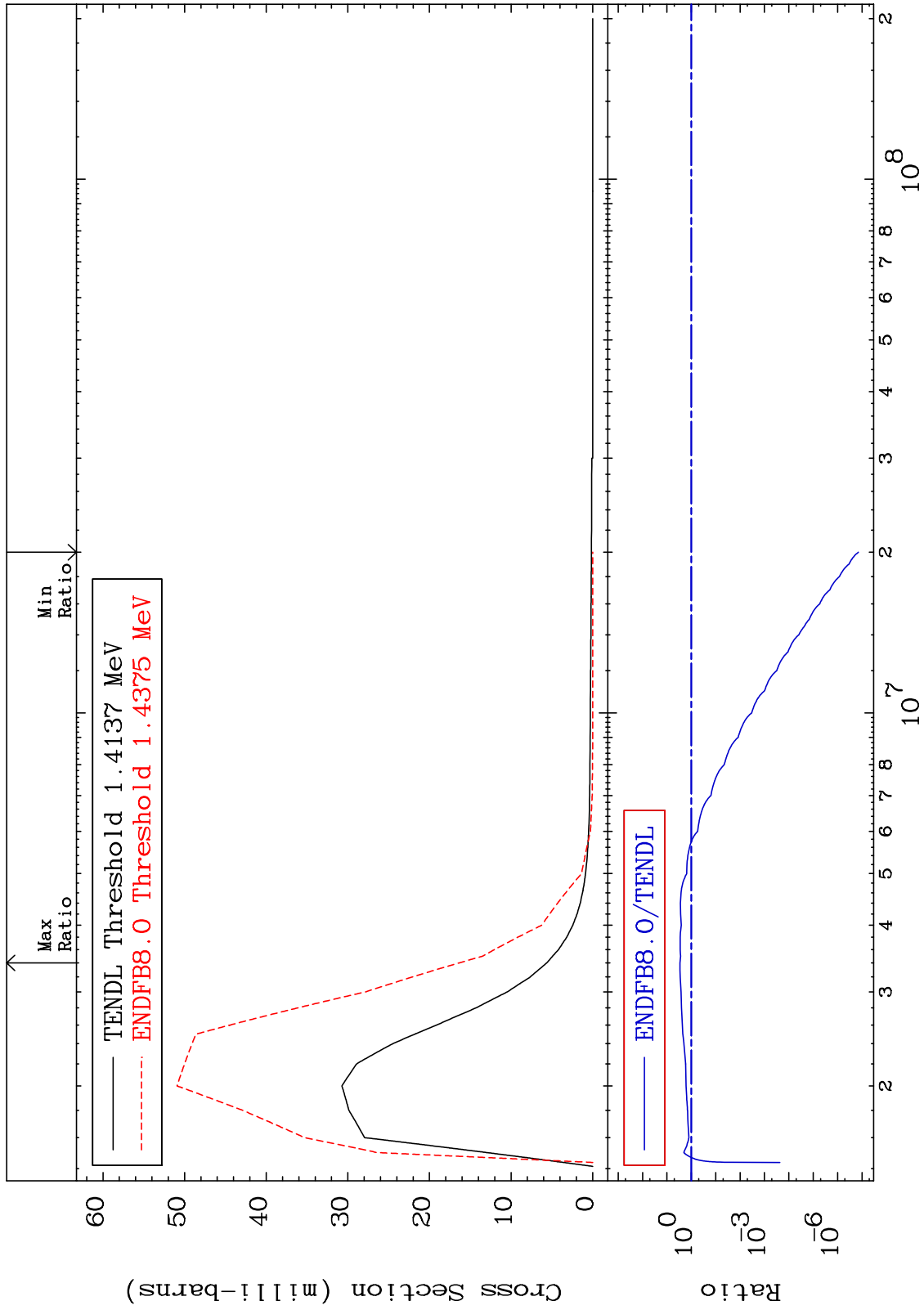
MAT 6034

MT= 74 (n,n') Level
Cross Section

60-Nd-145
-100.0 To 216.6 %



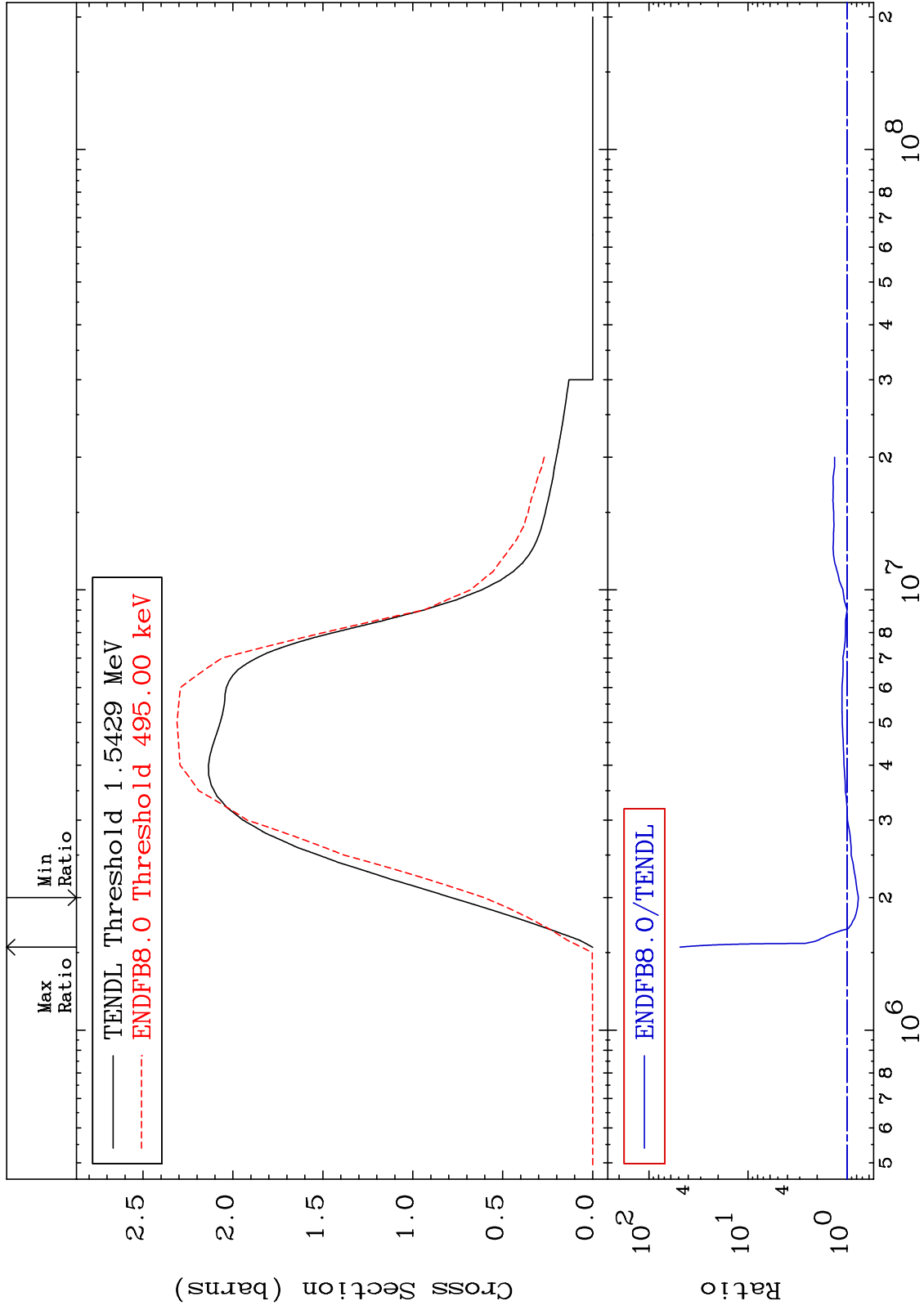
MAT 6034 MT= 75 (n,n') Level
 Cross Section 60-Nd-145
 -100.0 To 190.9 %



MAT 6034

(n,n') Continuum
Cross Section

60-Nd-145
-23.23 To 4750. %



35

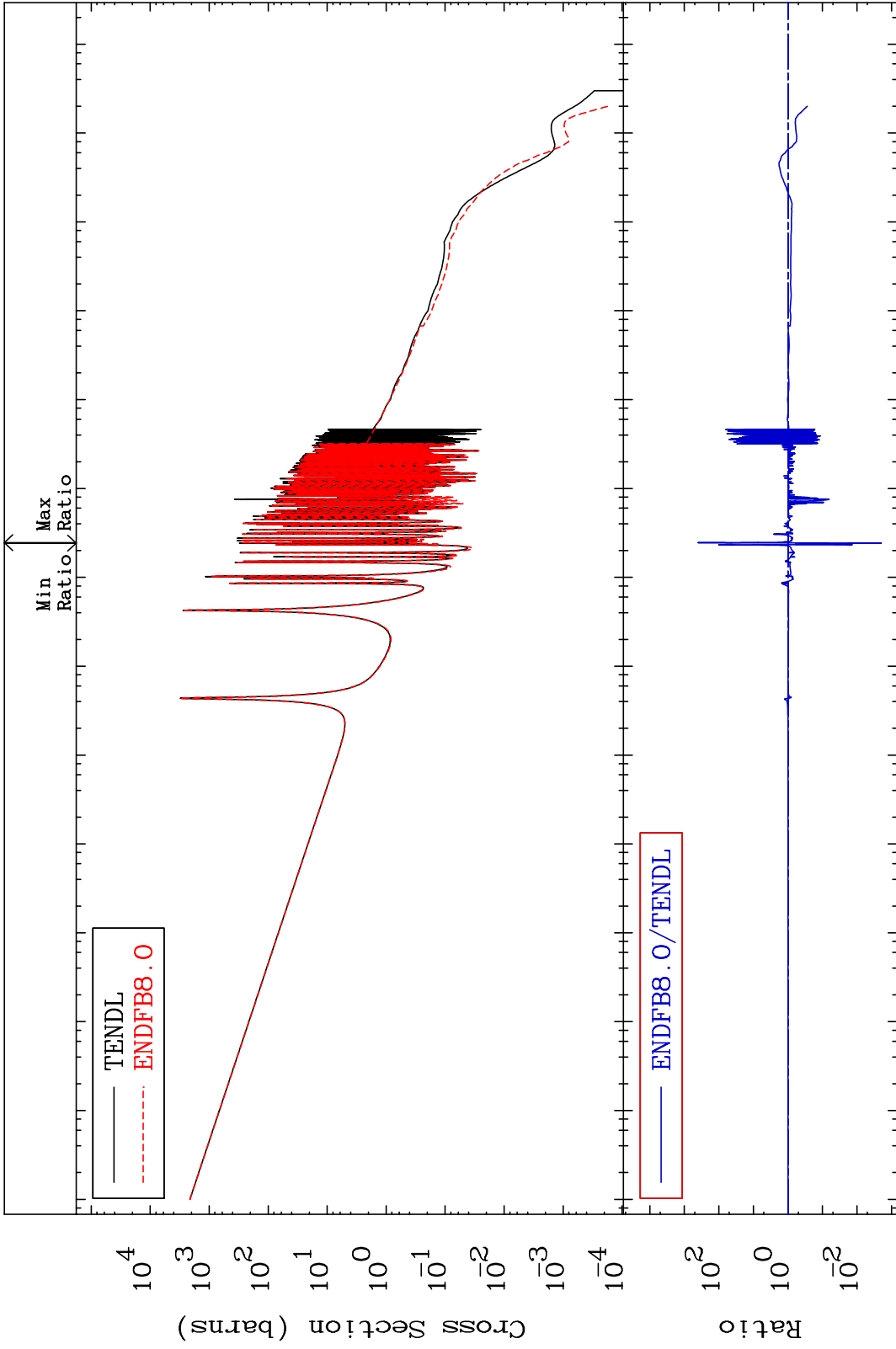
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, γ)
Cross Section

60-Nd-145
-99.81 To 9999. %



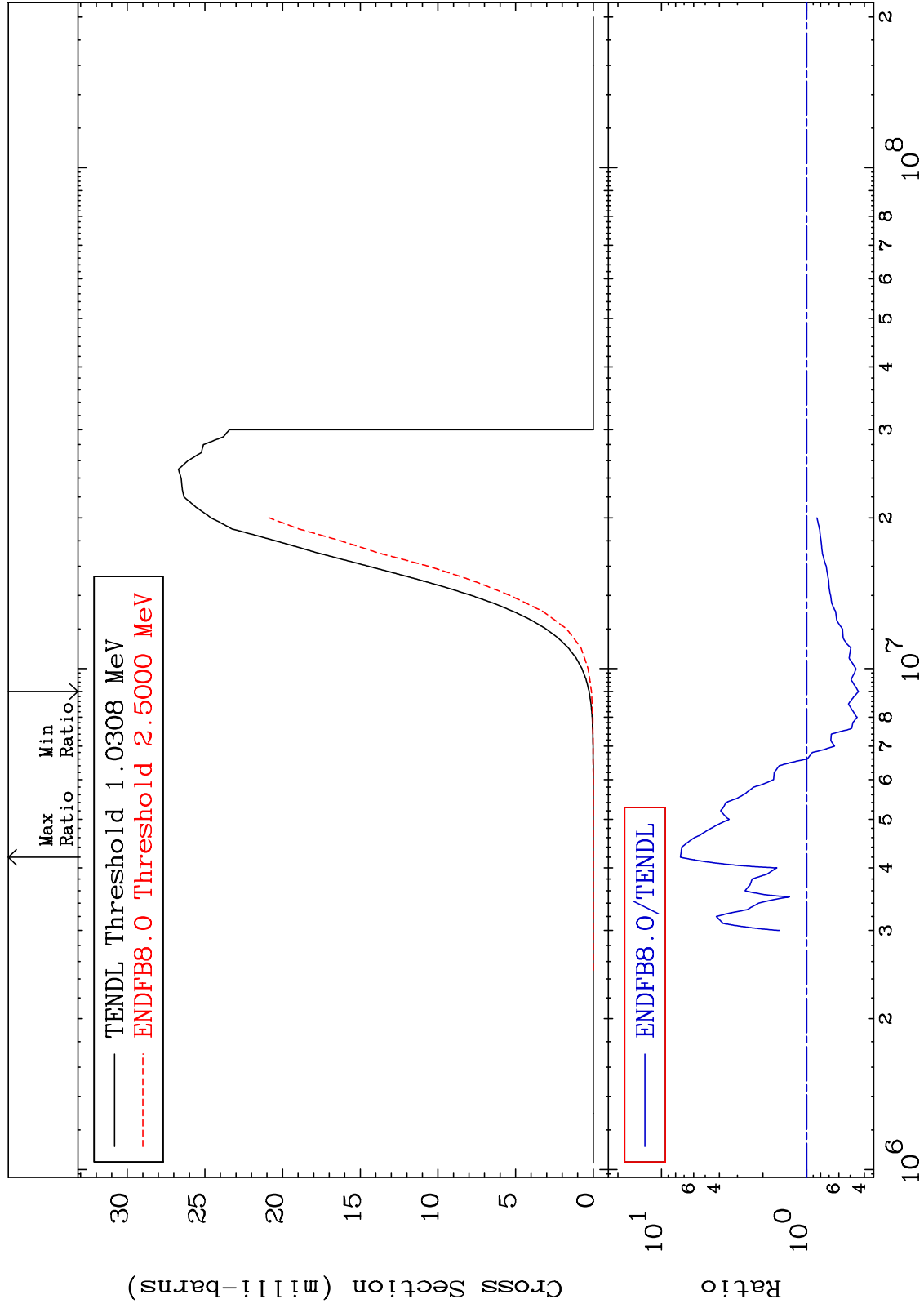
MAT 6034

(n, p)

60-Nd-145

Cross Section

-56.13 To 640.8 %



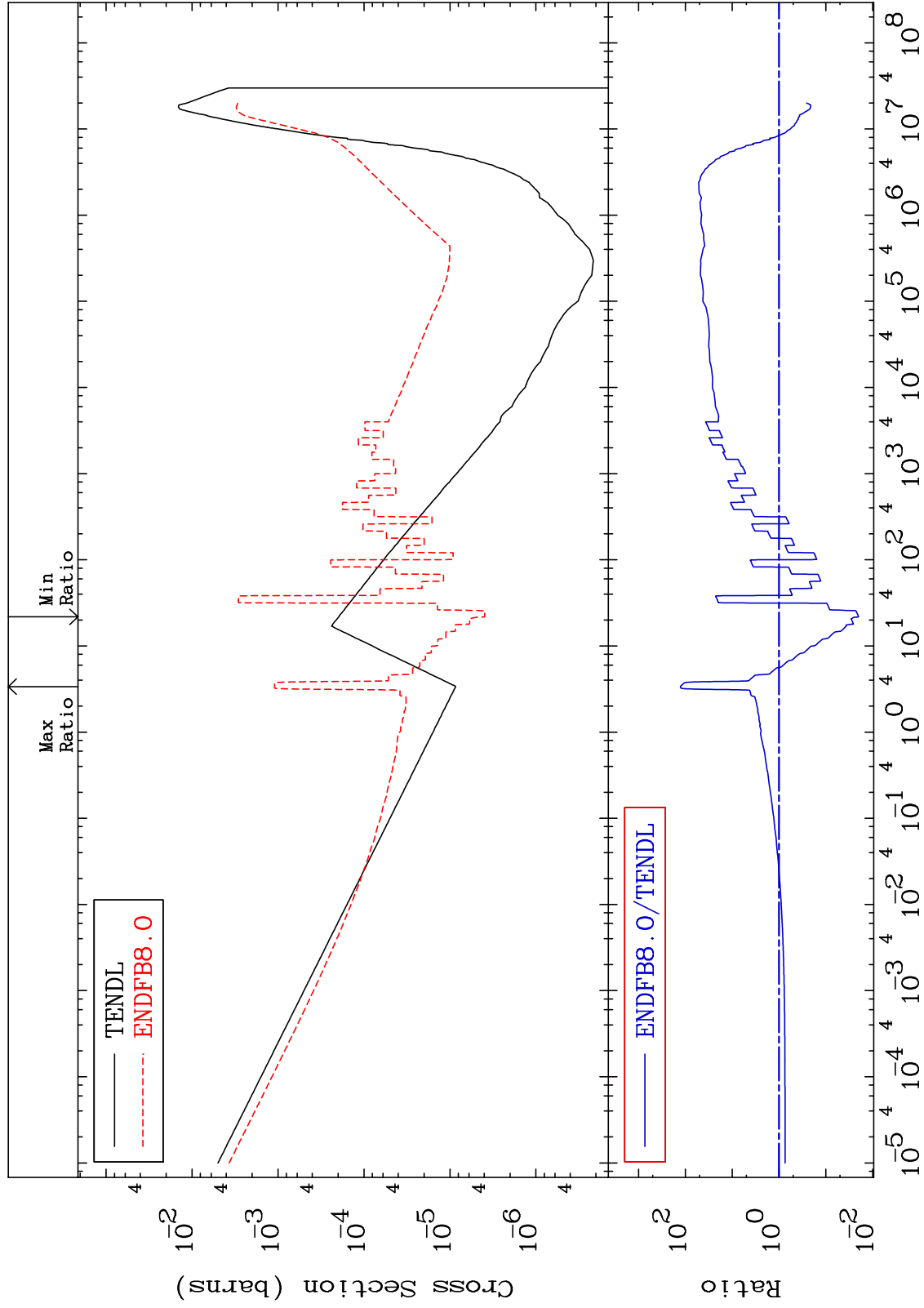
Incident Energy (eV)

60-Nd-145

37

MAT 6034

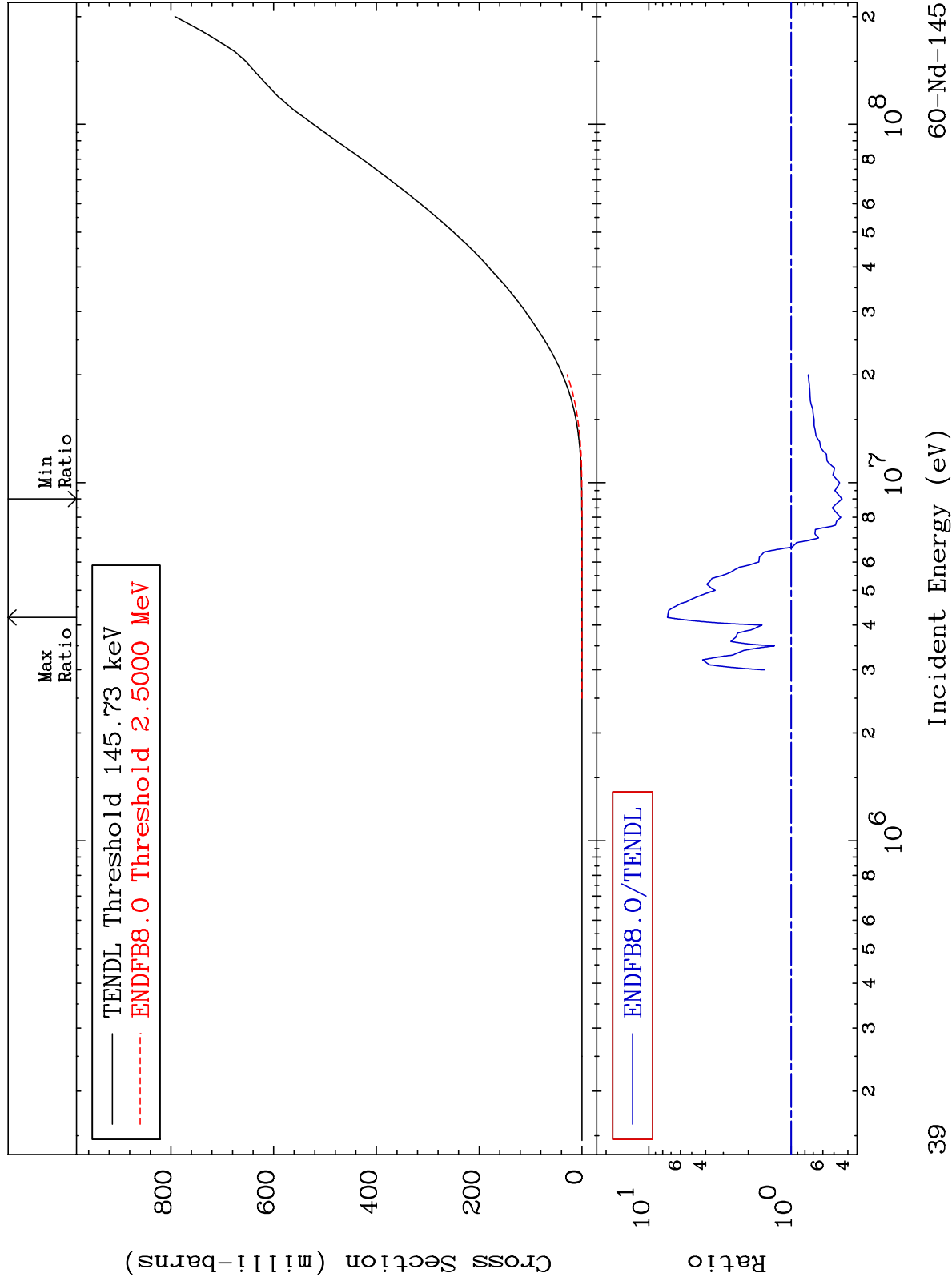
(n, α) Cross Section
60-Nd-145
-98.00 To 9999. %



MAT 6034

Hydrogen Production
Cross Section

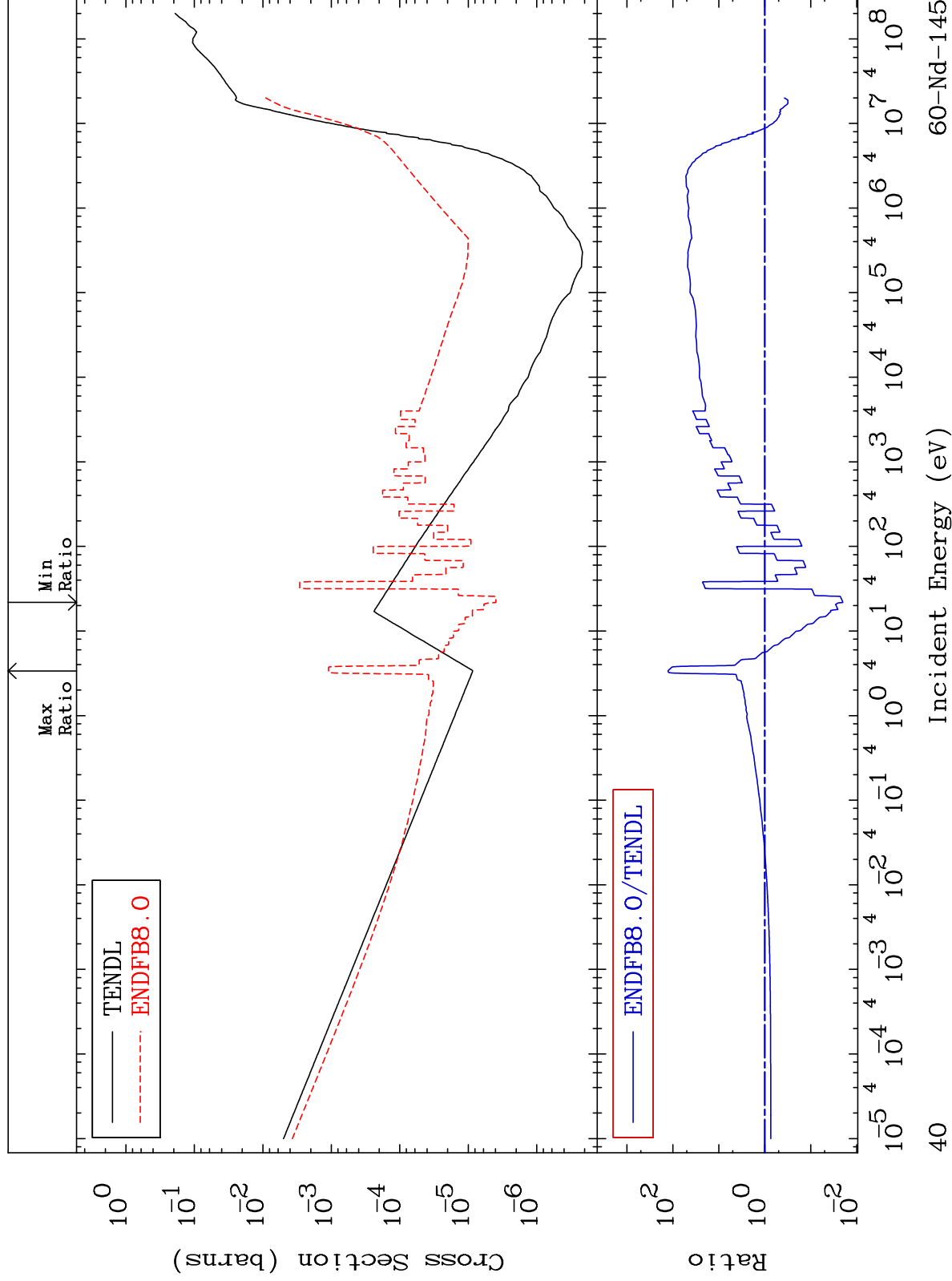
60-Nd-145
-56.13 To 640.8 %



MAT 6034

He-4 Production
Cross Section

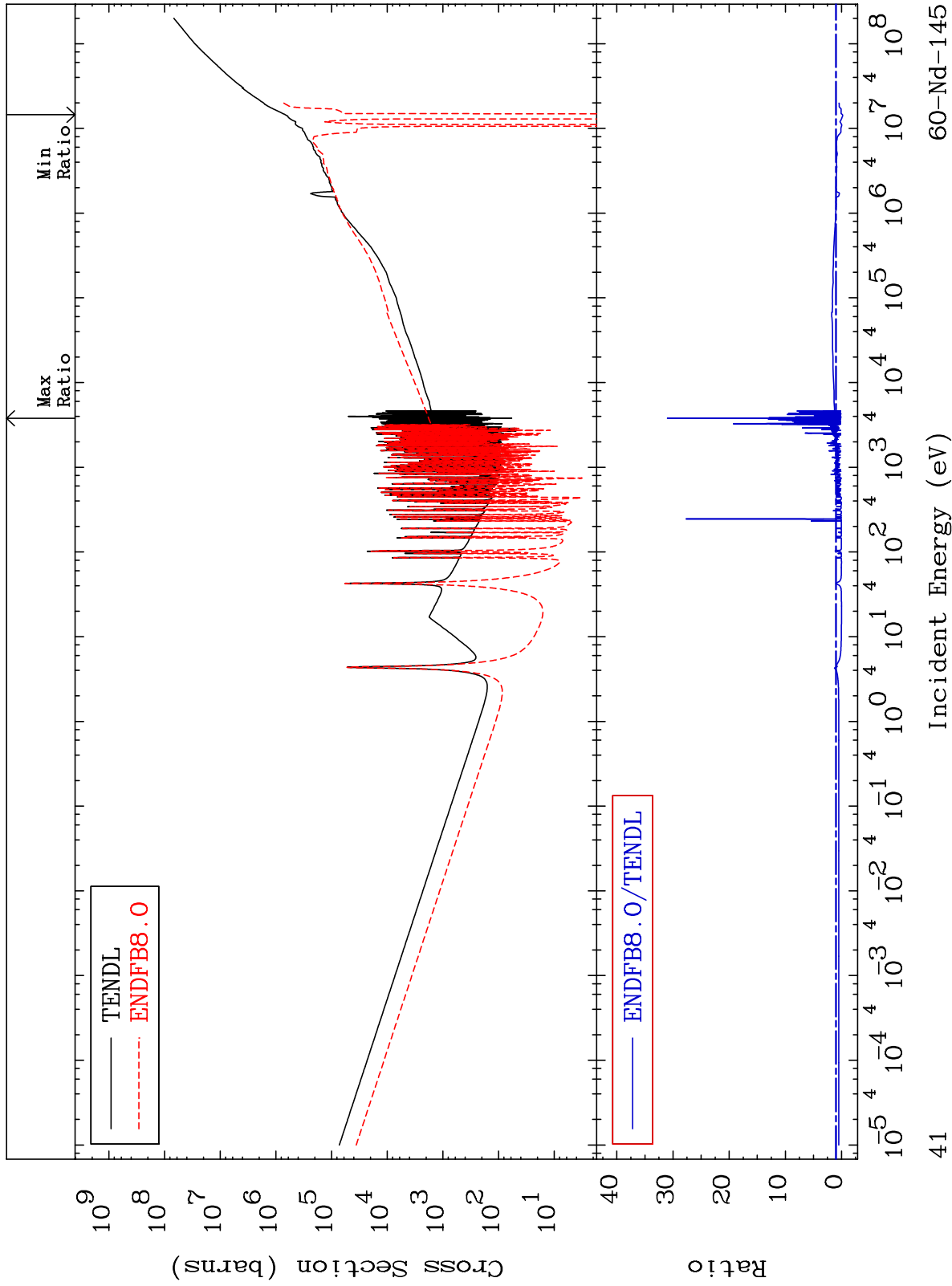
60-Nd-145
-98.00 To 9999. %



40

60-Nd-145

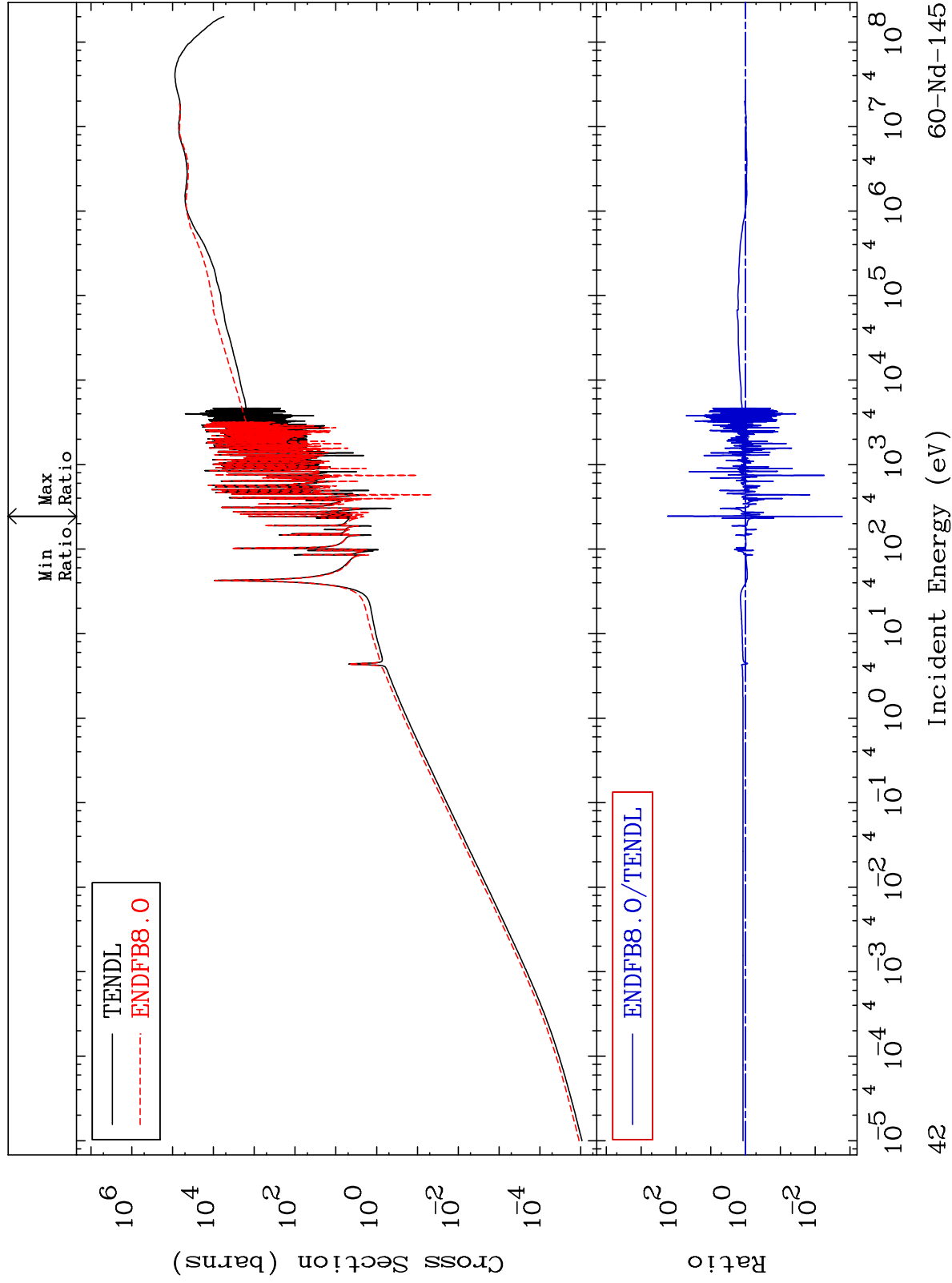
MAT 6034 Kerma total (eV-barns)
Cross Section 60-Nd-145
-120.3 To 2997. %



MAT 6034

Kerma elastic
Cross Section

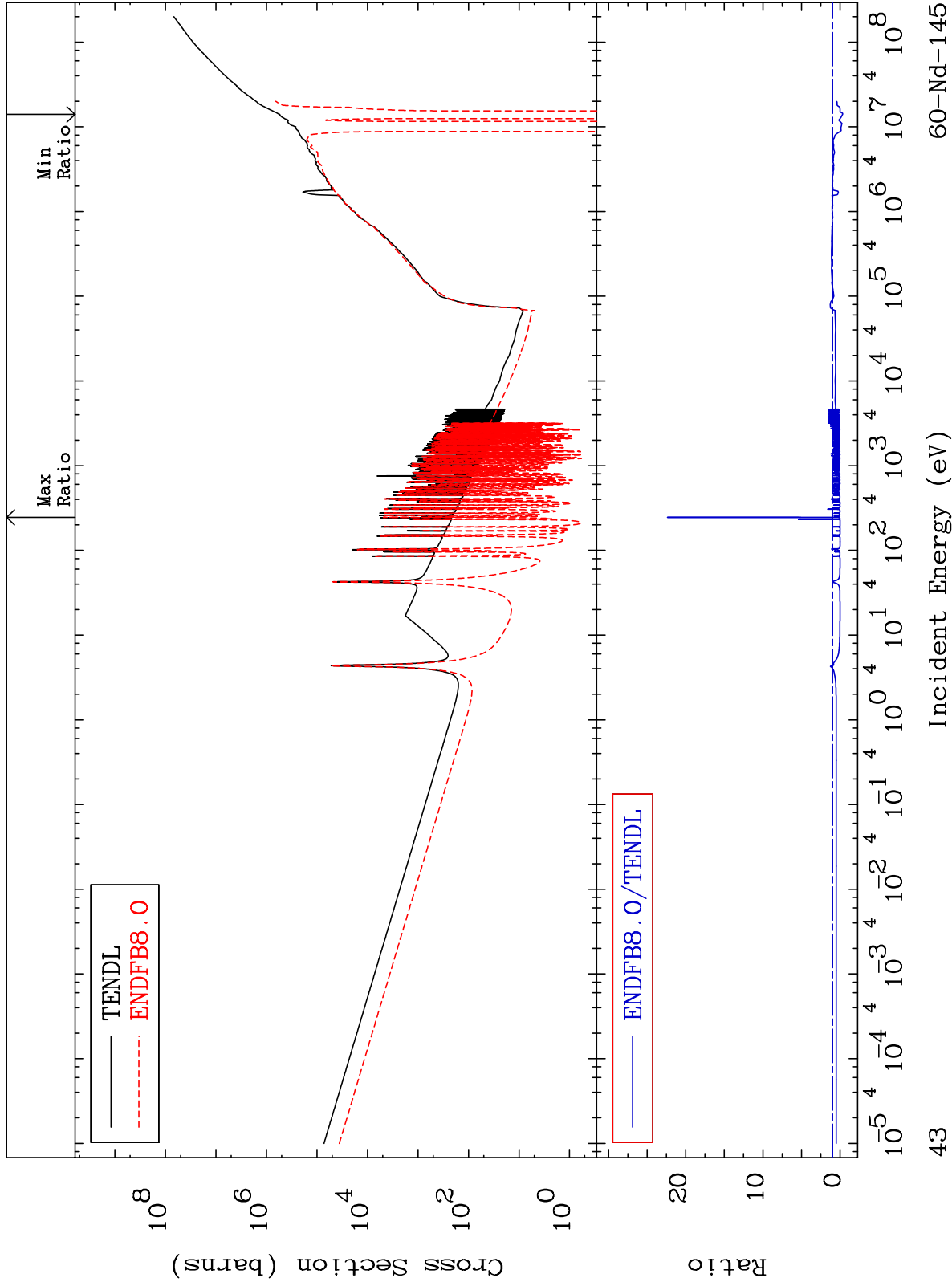
60-Nd-145
-99.83 To 9999. %



MAT 6034

Kerma non-elastic (all but mt2)
Cross Section

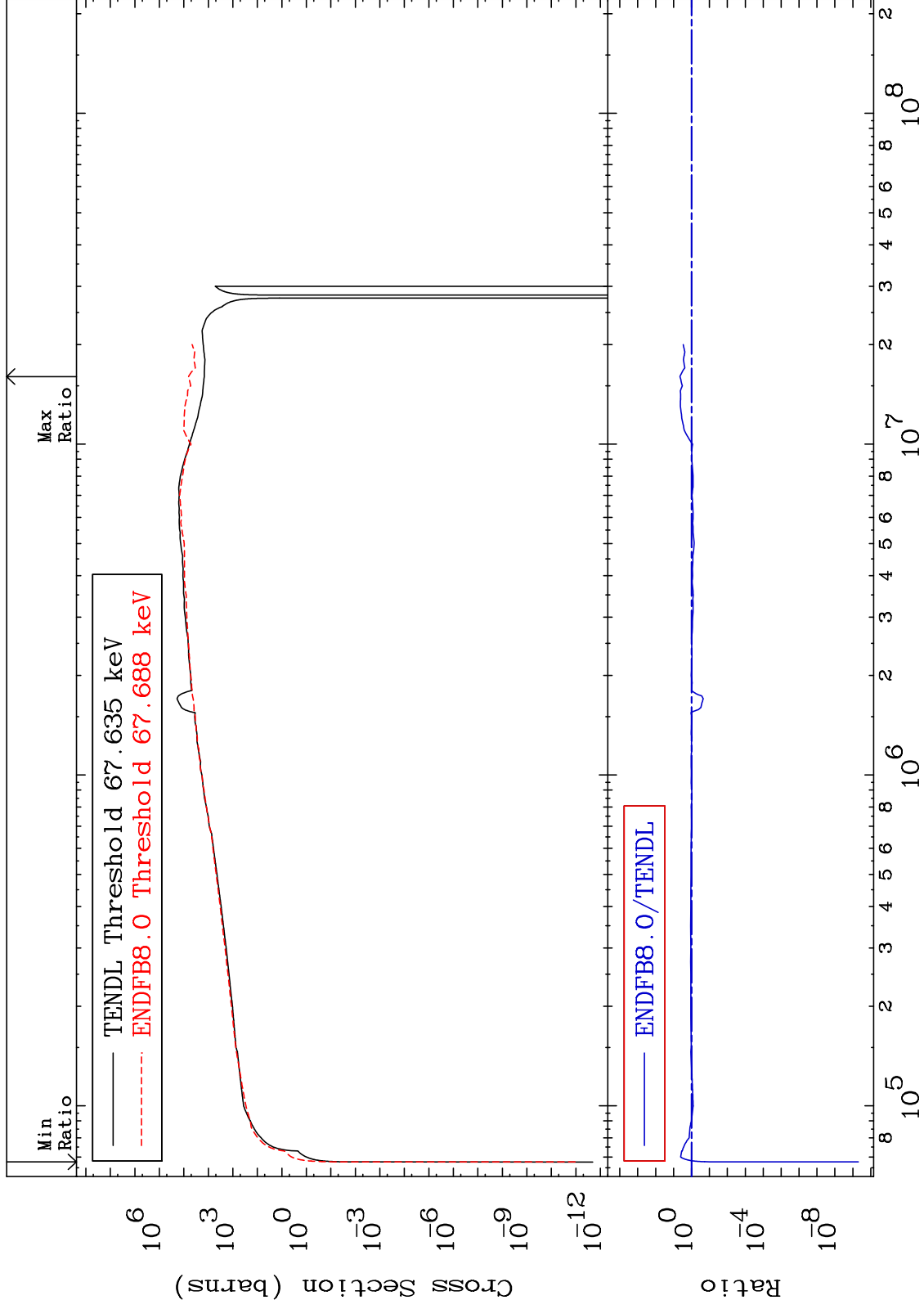
60-Nd-145
-134.1 To 2136. %



MAT 6034

Kerma inelastic (mt51-91)
Cross Section

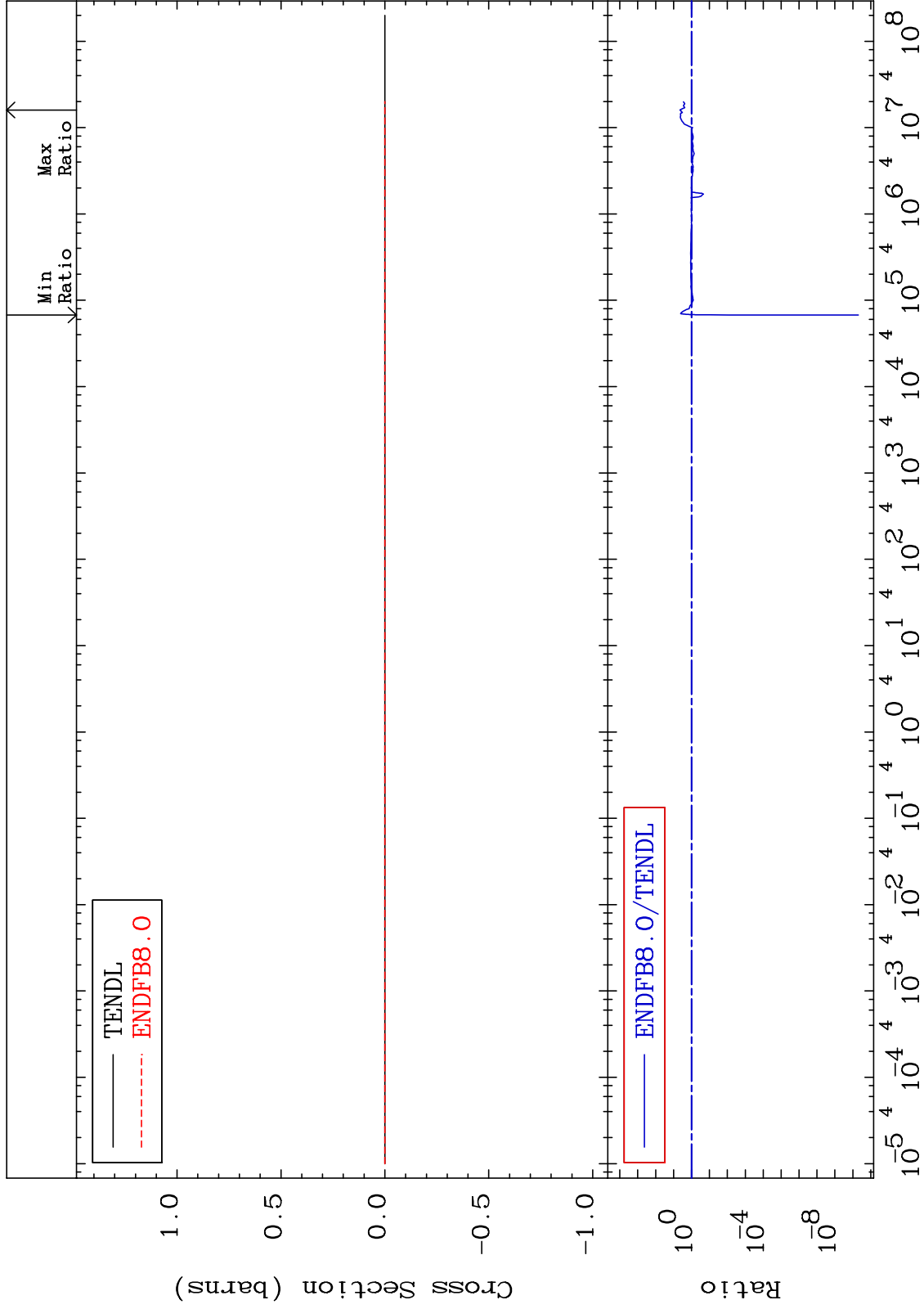
60-Nd-145
-100.0 To 336.8 %



MAT 6034

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

60-Nd-145
-100.0 To 336.8 %



45

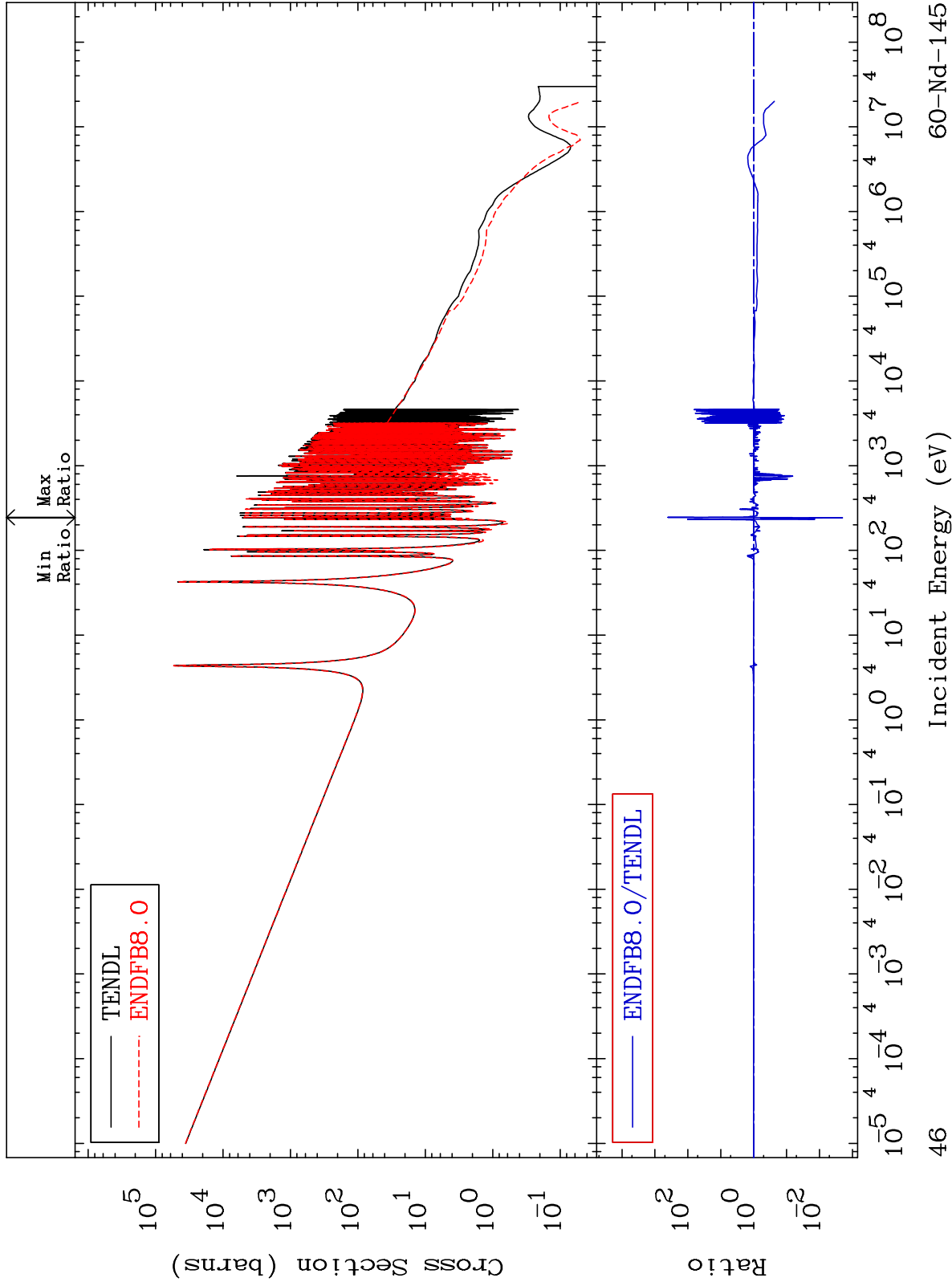
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma capture (mt102)
Cross Section

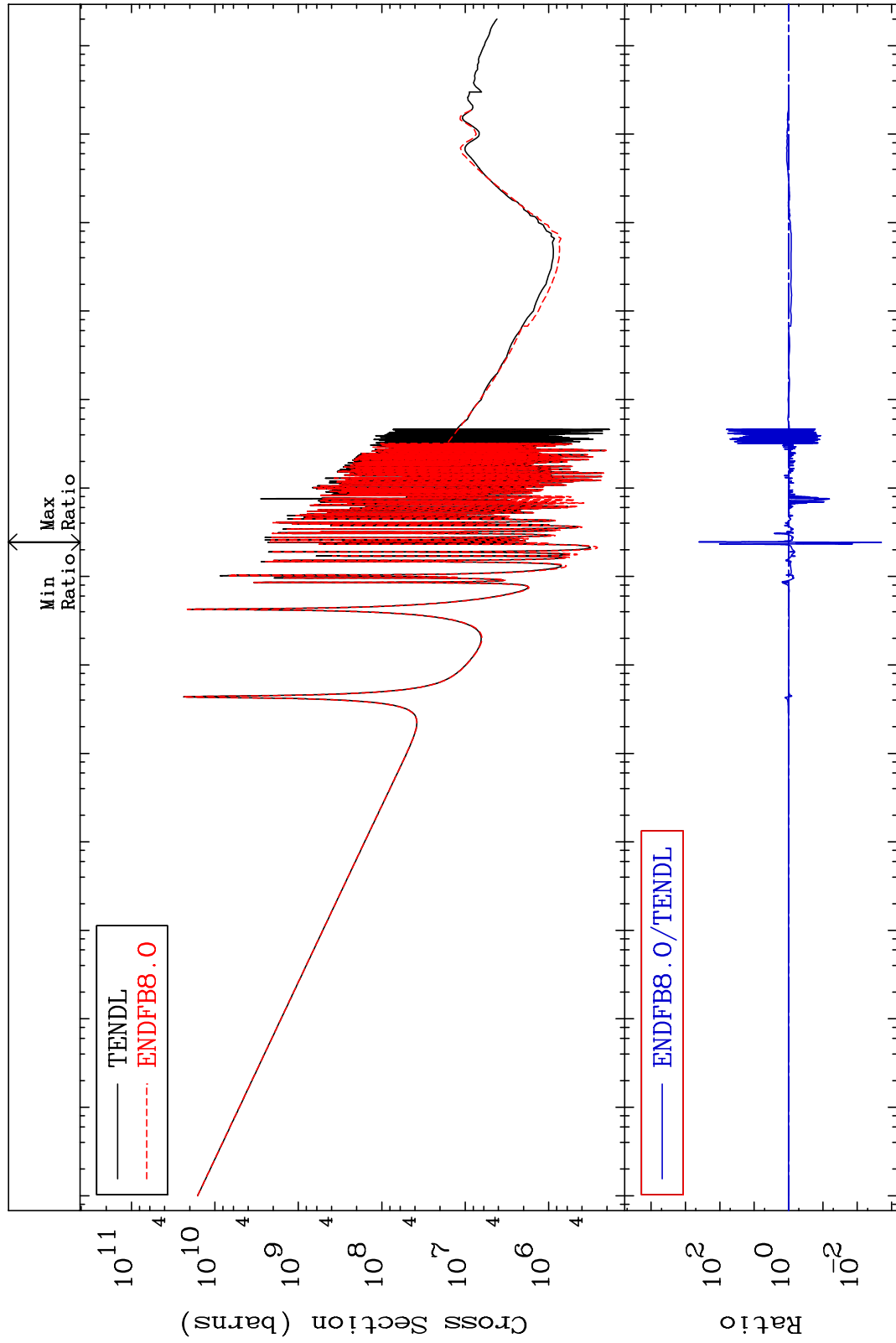
60-Nd-145
-99.80 To 9999. %



MAT 6034

Total photon (eV-barns)
Cross Section

60-Nd-145
-99.80 To 9999. %

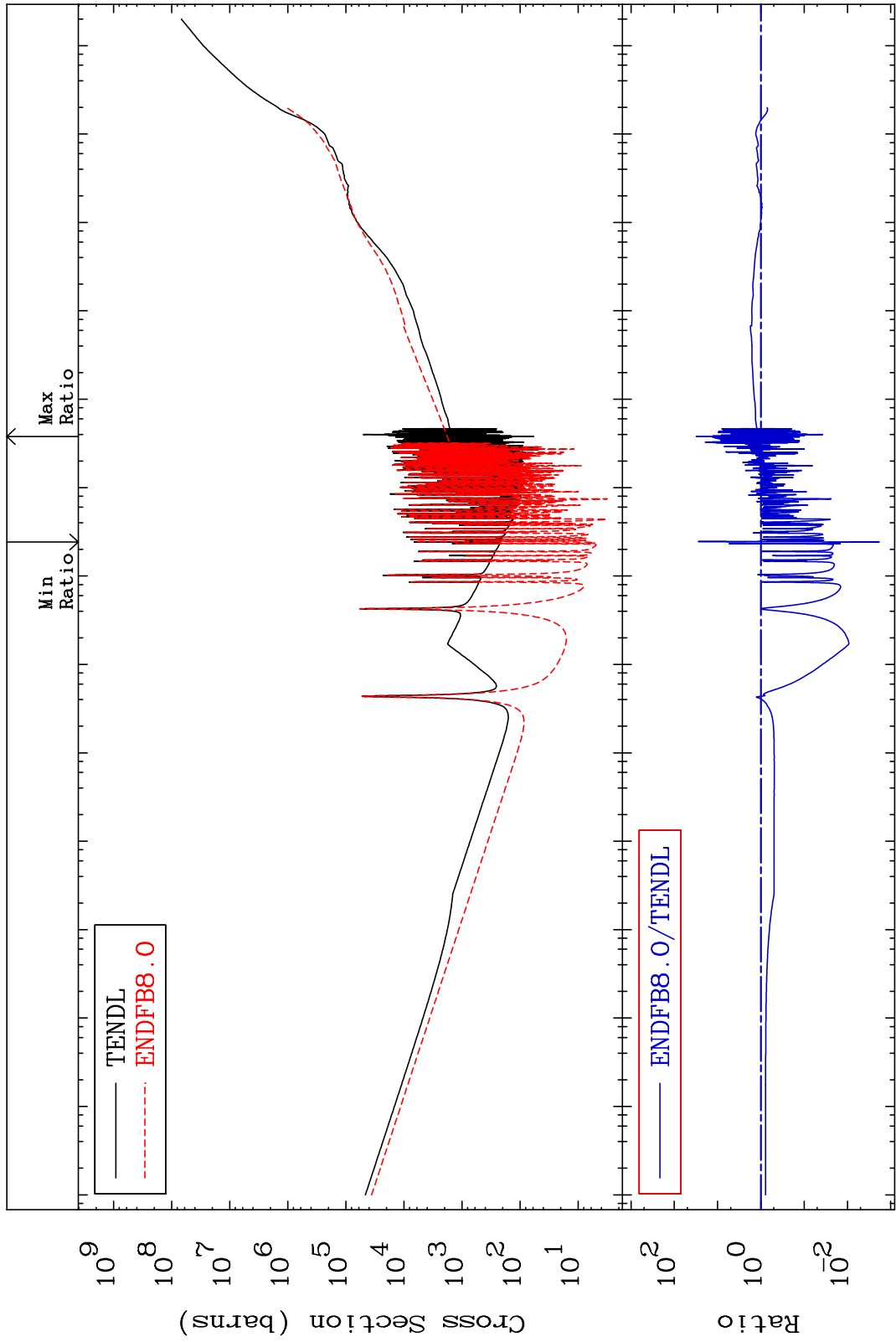


47

Incident Energy (eV)

60-Nd-145

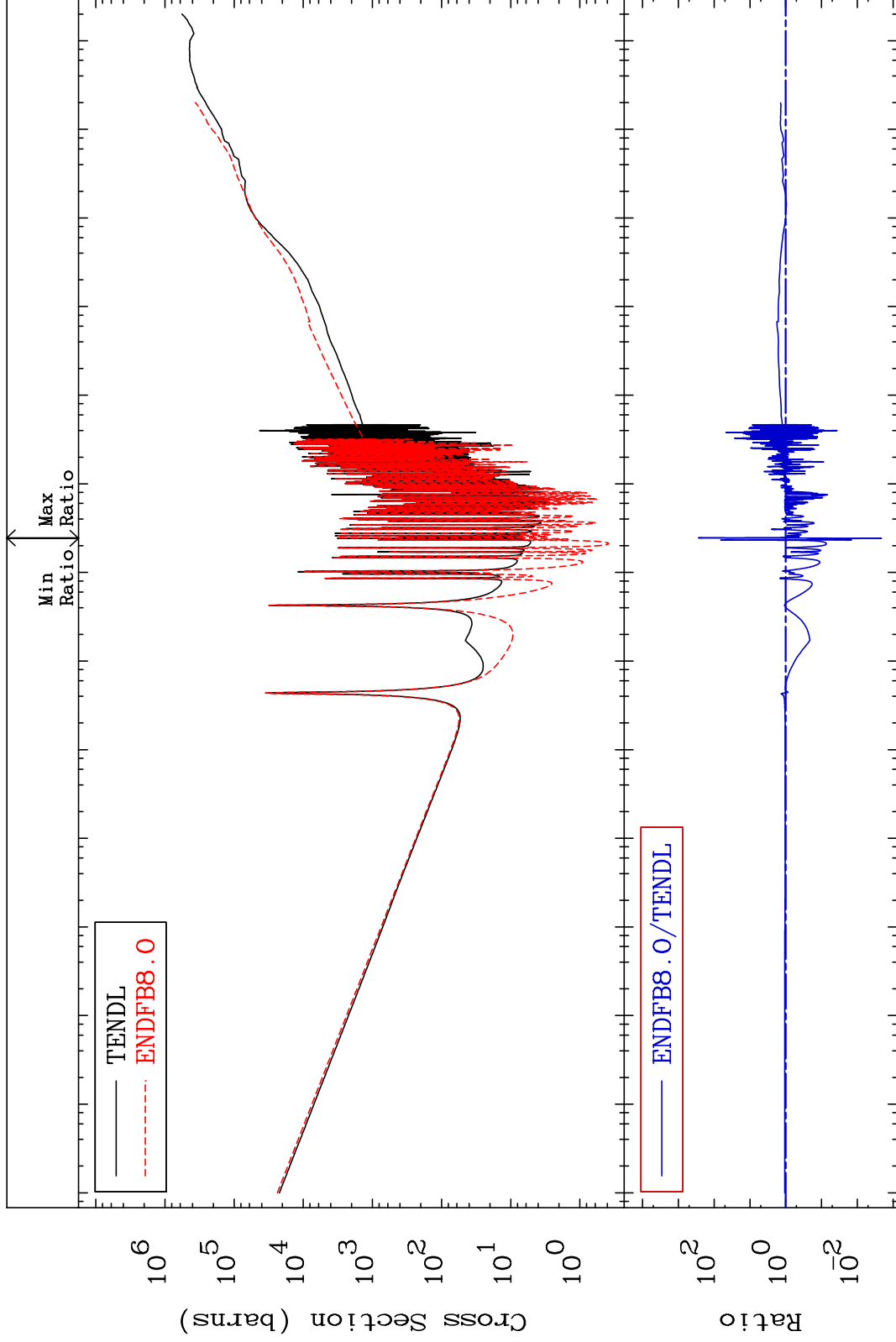
MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
Cross Section -99.81 To 2989. %



MAT 6034

Dpa total (eV-barns)
Cross Section

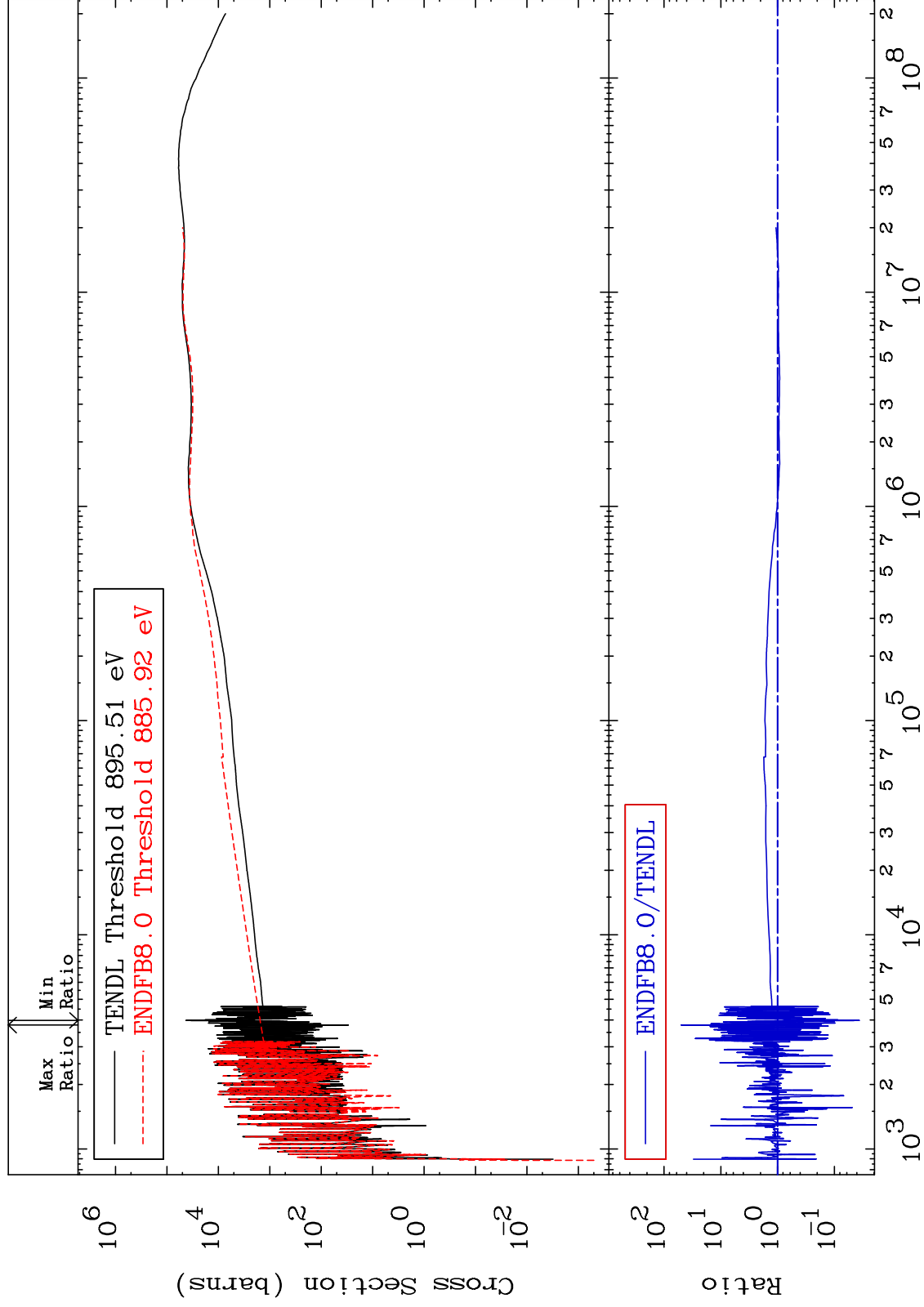
60-Nd-145
-99.79 To 9999. %



MAT 6034

Dpa elastic (mt2)
Cross Section

60-Nd-145
-96.37 To 4907. %



50

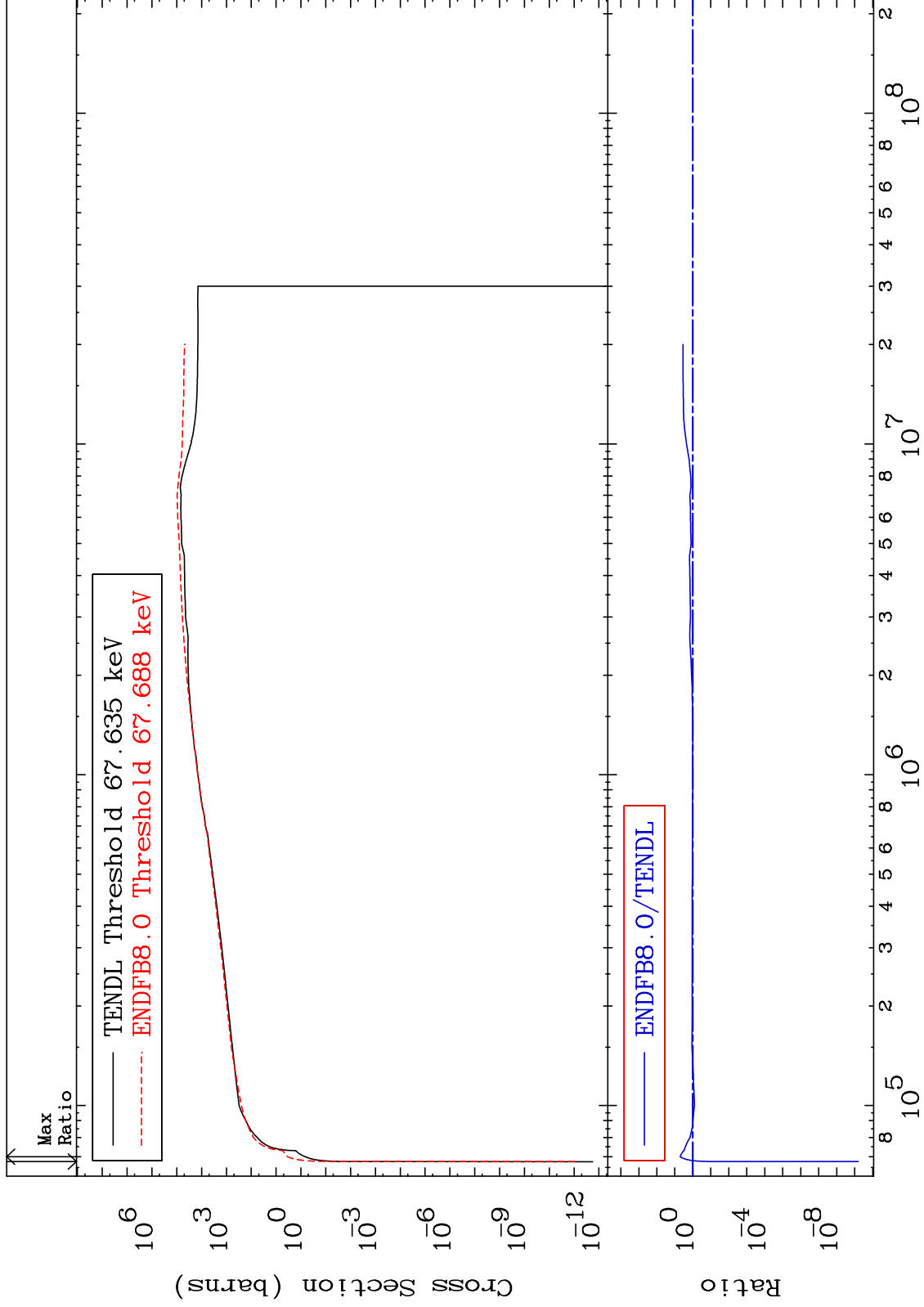
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa inelastic (mt51-91)
Cross Section

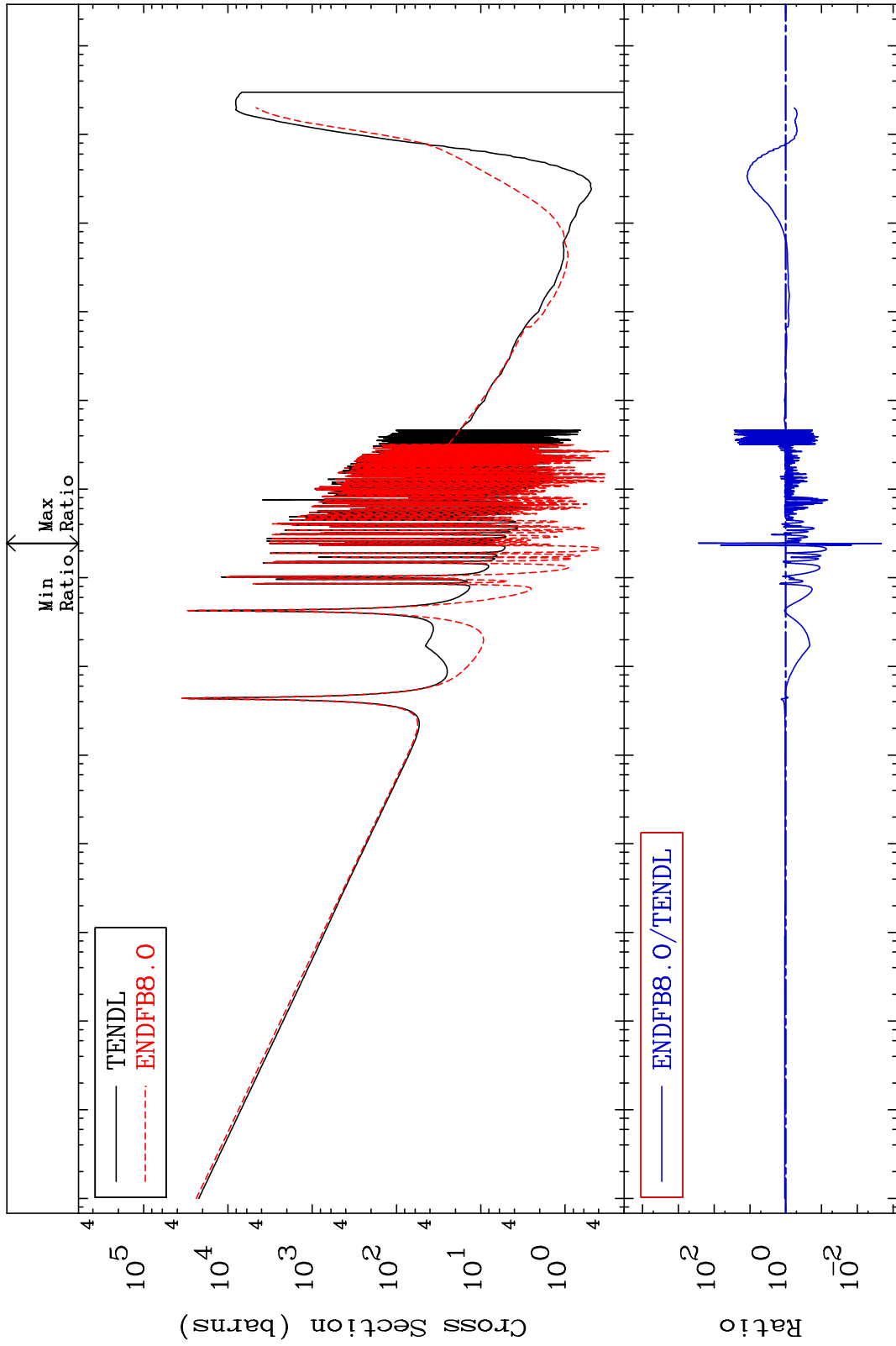
60-Nd-145
-100.0 To 414.4 %



MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-145
-99.79 To 9999. %



52

Incident Energy (eV)

60-Nd-145