

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

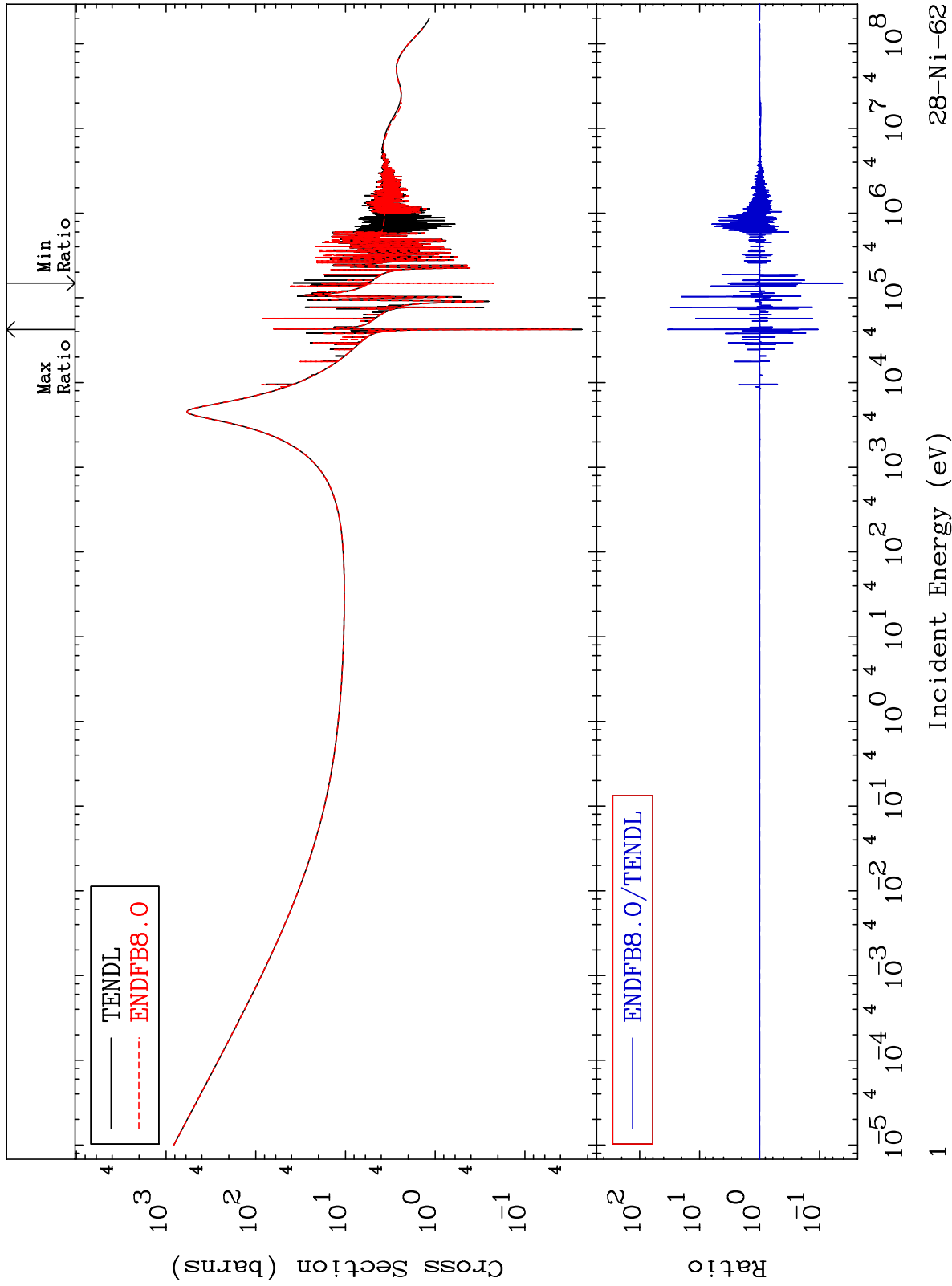
MAT 2837

Total

Cross Section

28-Ni-62

-95.89 To 3330. %



Incident Energy (eV)

28-Ni-62

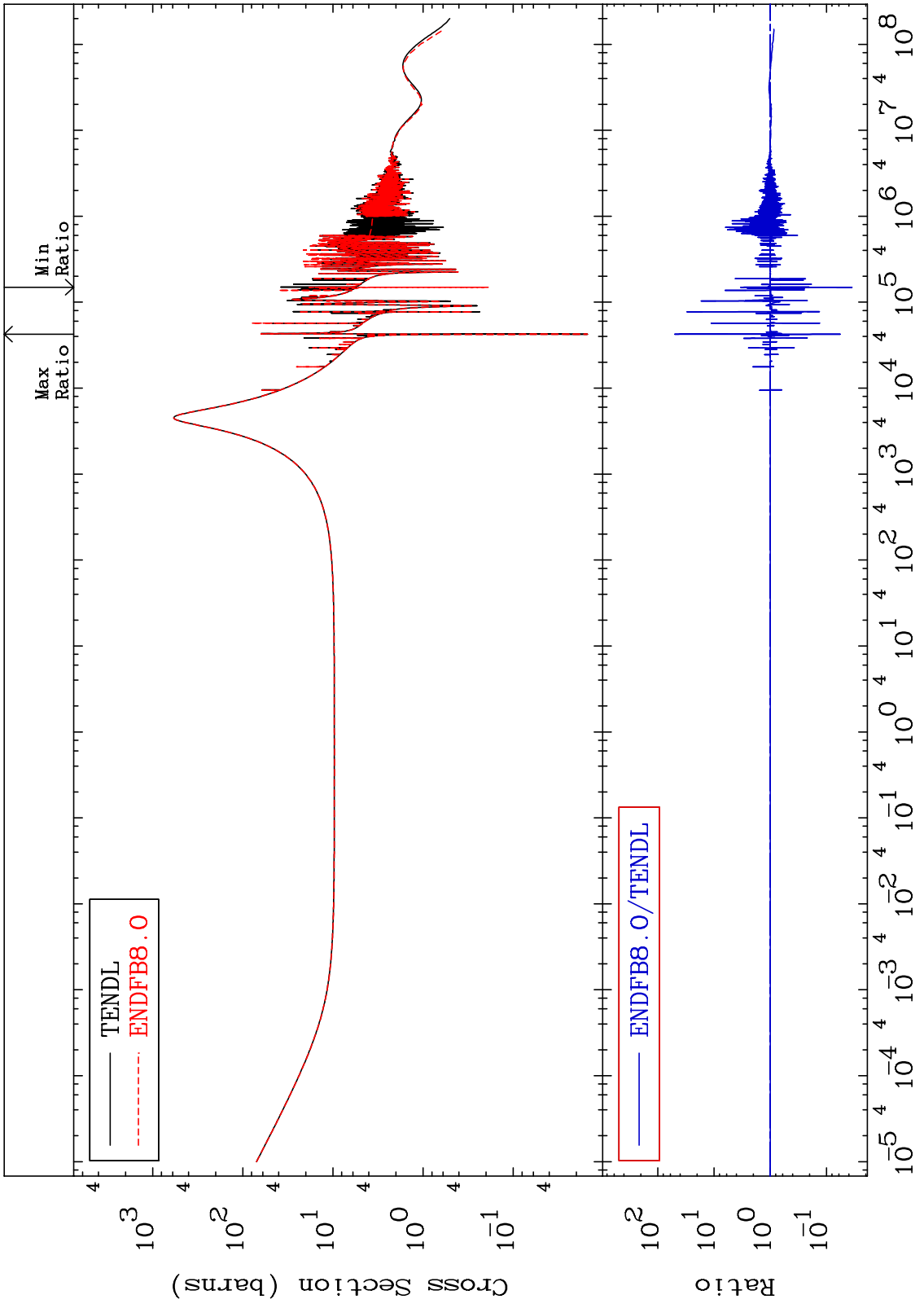
MAT 2837

Elastic

Cross Section

28-Ni-62

-96.51 To 4936. %



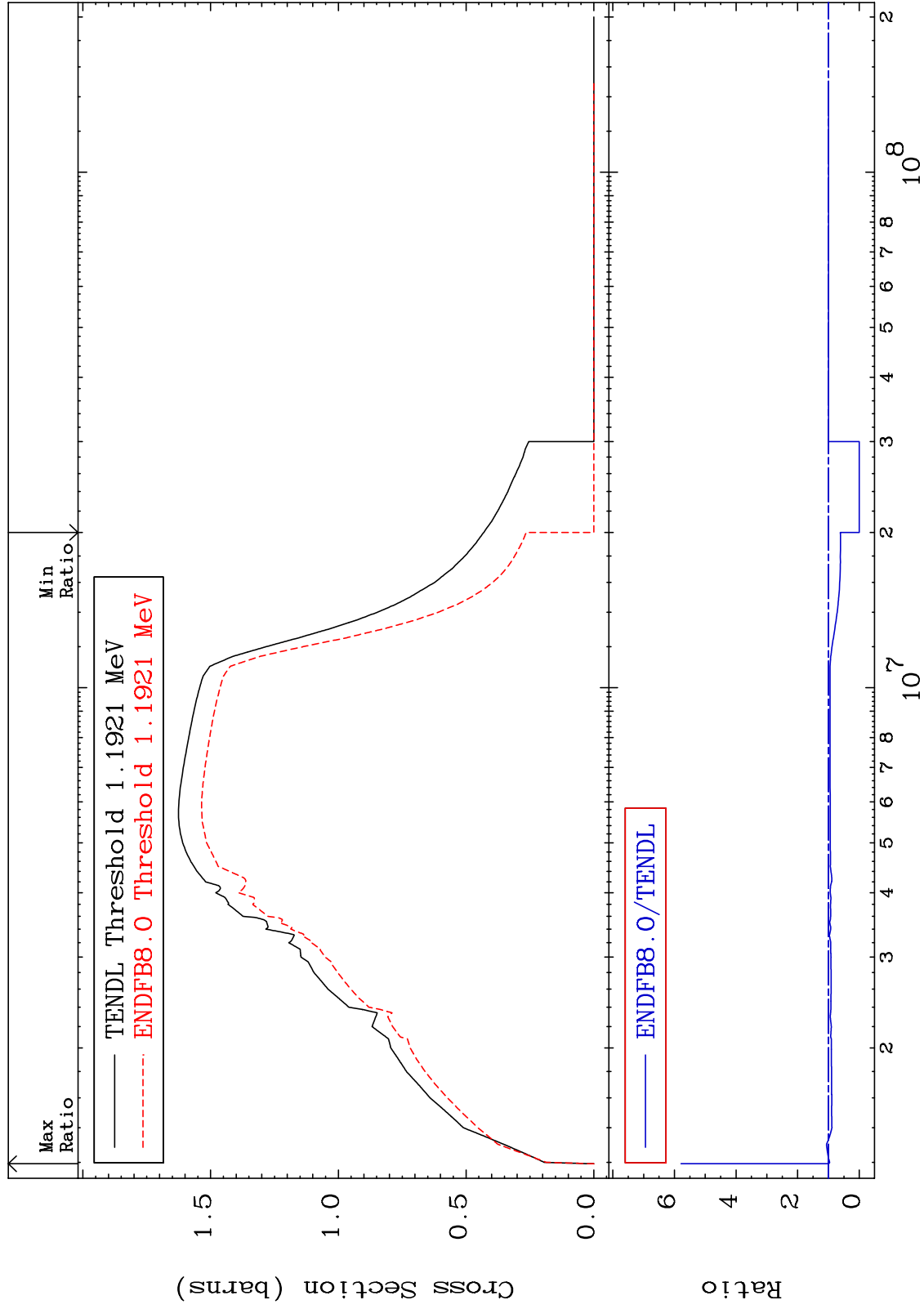
Incident Energy (eV)

28-Ni-62

MAT 2837

Inelastic
Cross Section

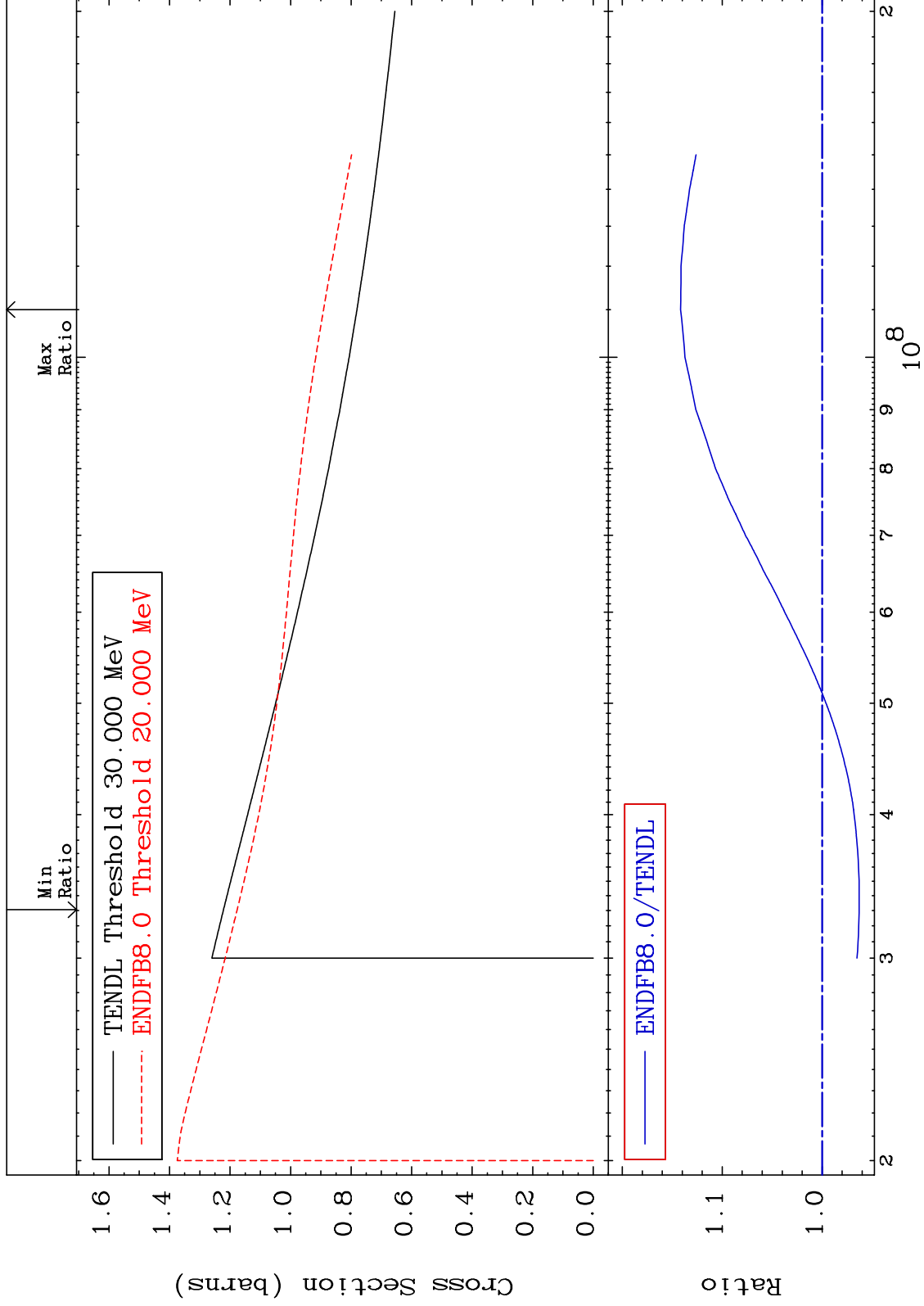
28-Ni-62
-100.0 To 478.5 %



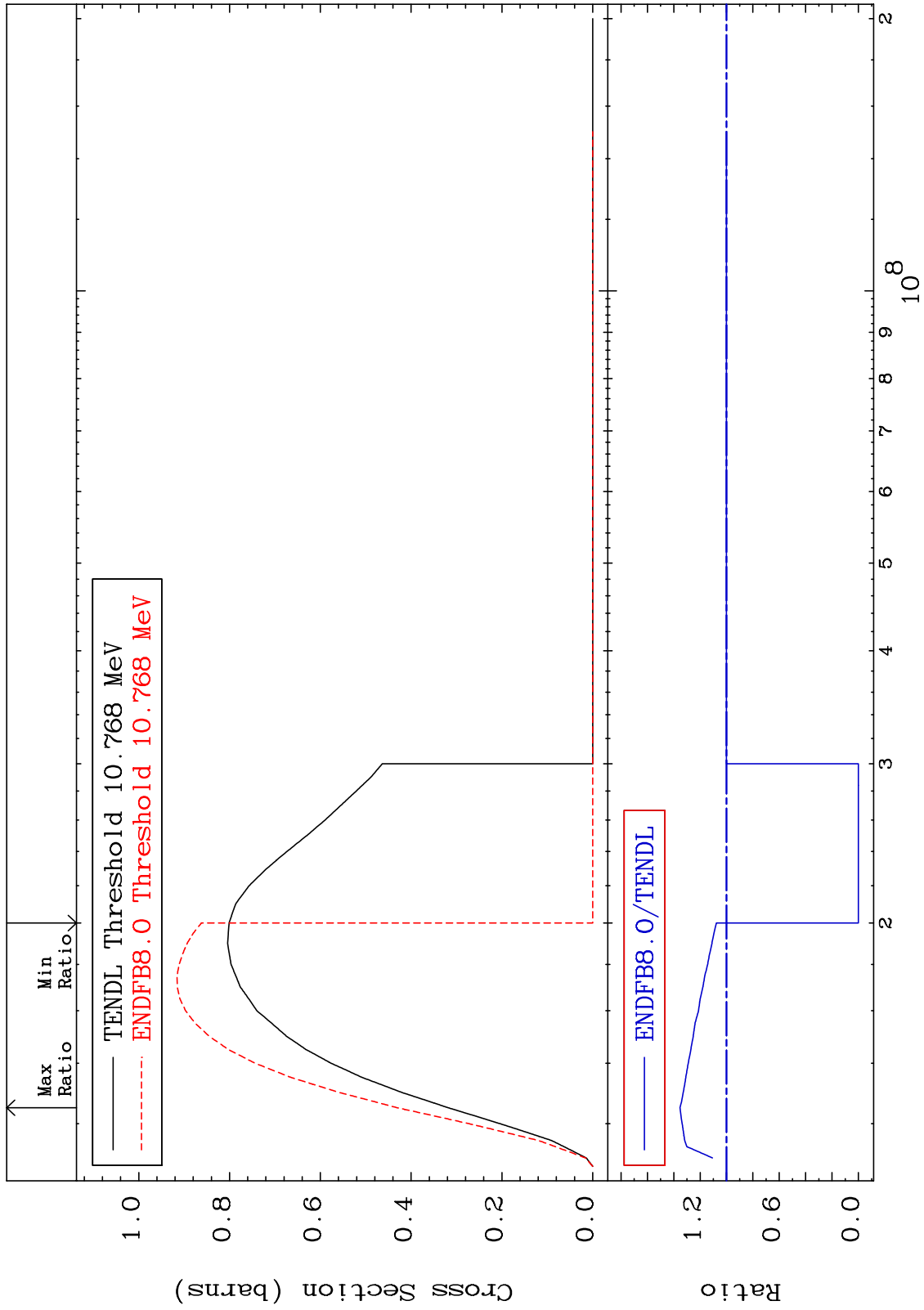
MAT 2837

(n, remainder)
Cross Section

28-Ni-62
-3.704 To 14.16 %



MAT 2837 (n,2n) Cross Section 28-Ni-62 -100.0 To 35.25 %



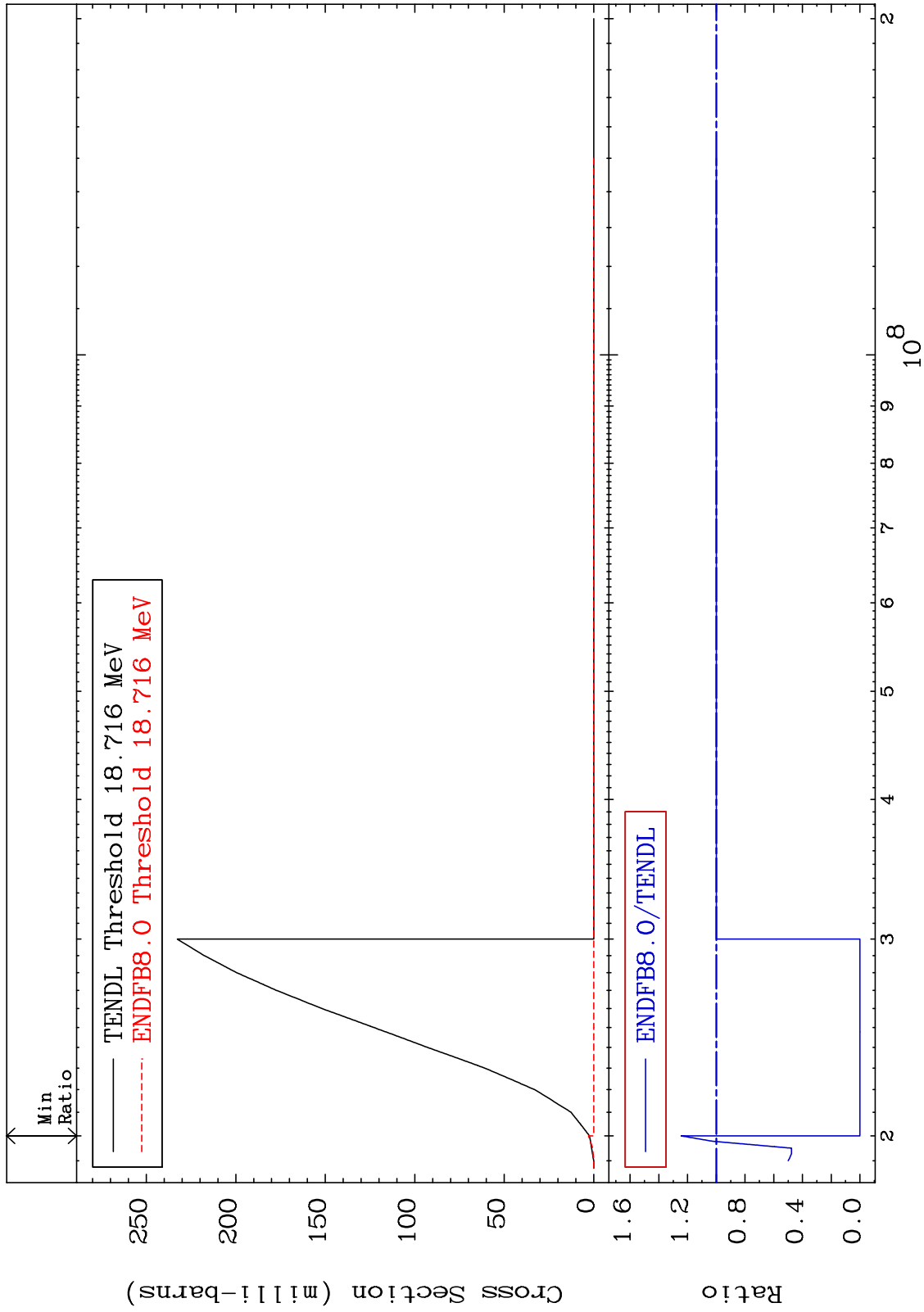
MAT 2837

(n,3n)

28-Ni-62

Cross Section

-100.0 To 24.42 %



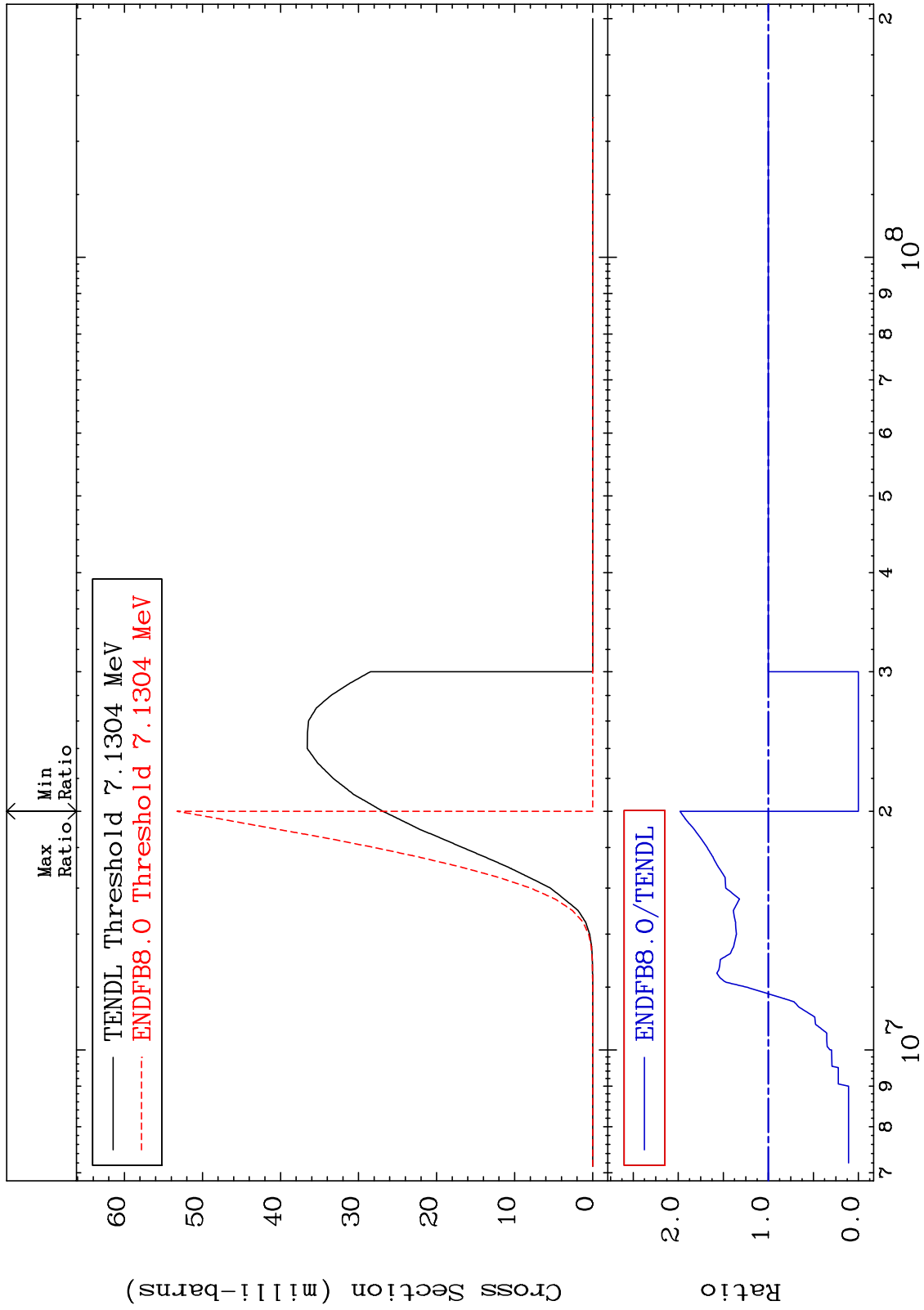
MAT 2837

(n,n') α

28-Ni-62

Cross Section

-100.0 To 98.00 %



7

Incident Energy (eV)

28-Ni-62

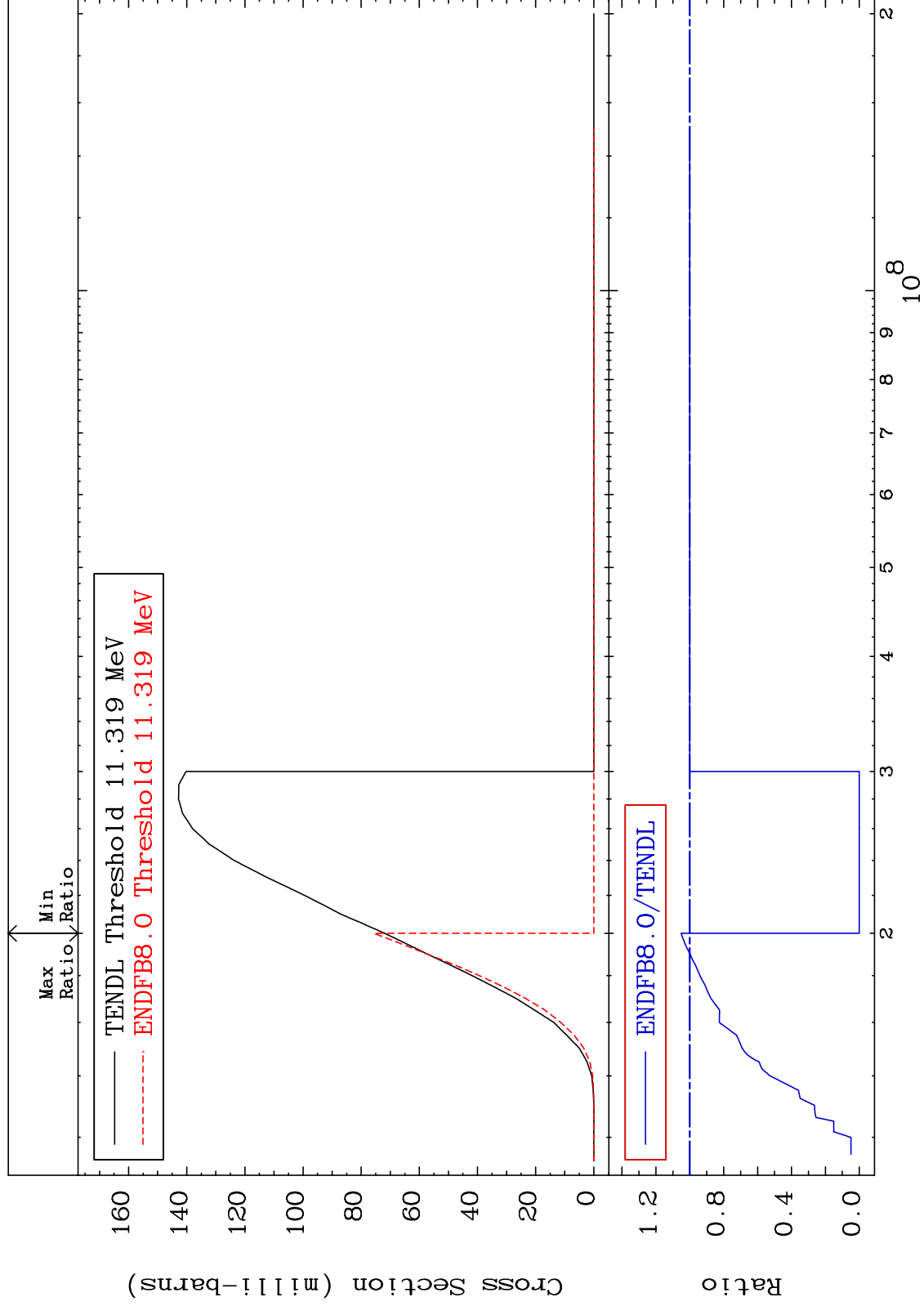
MAT 2837

(n,n') p

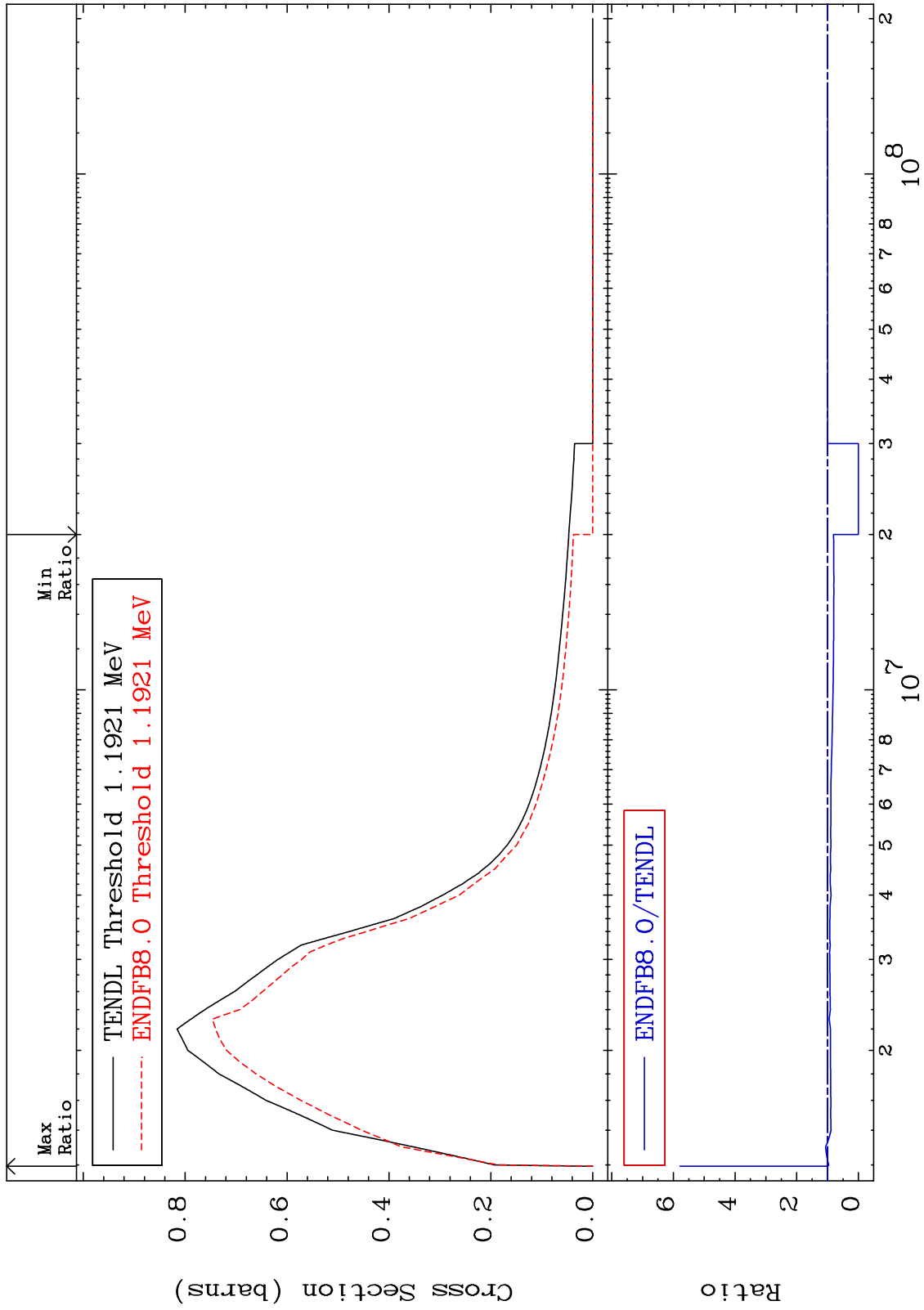
28-Ni-62

Cross Section

-100.0 To 5.166 %



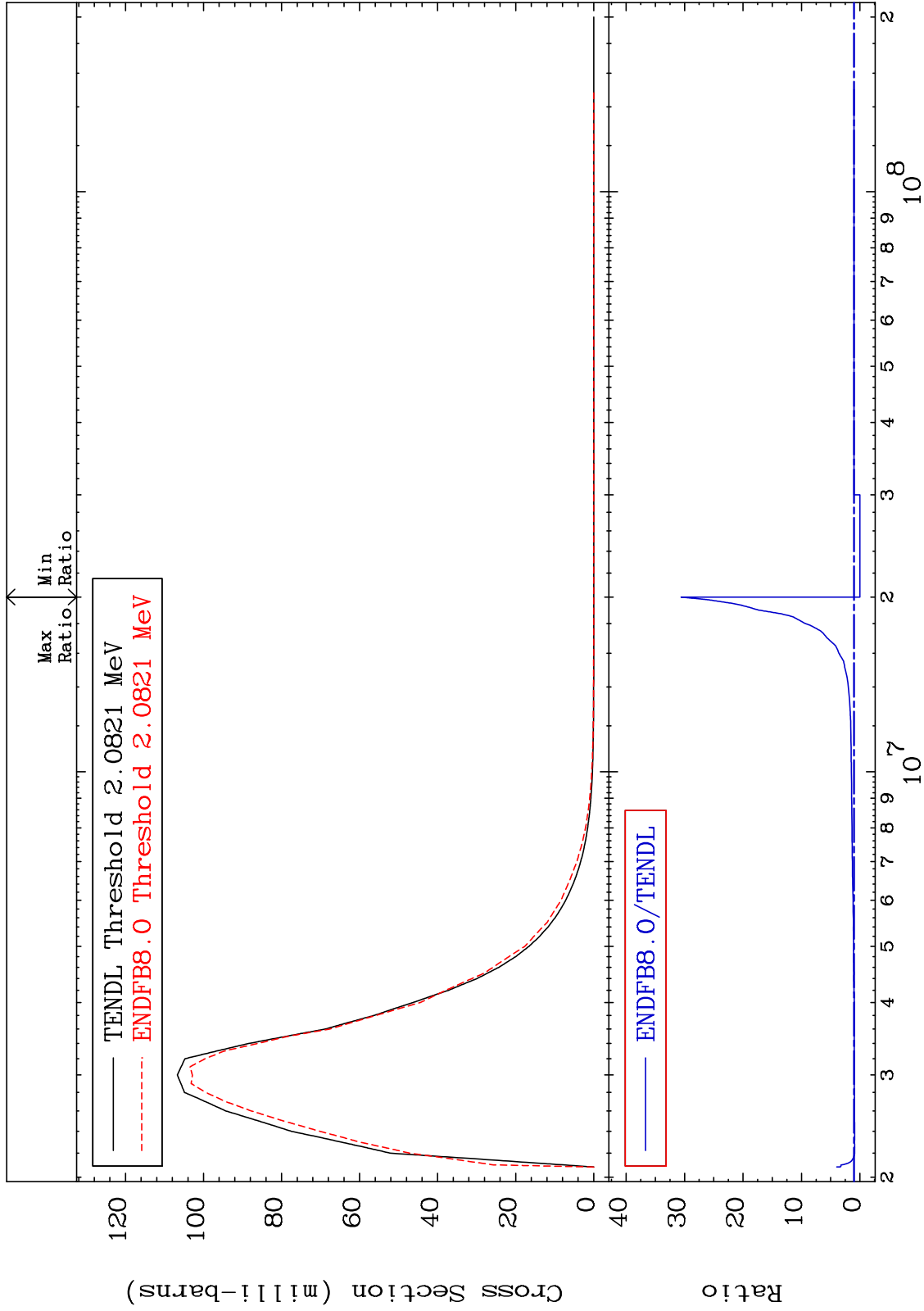
MAT 2837 MT= 51 (n,n') Level Cross Section 28-Ni-62 -100.0 To 478.5 %



MAT 2837

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

28-Ni-62
-100.0 To 2957. %



10

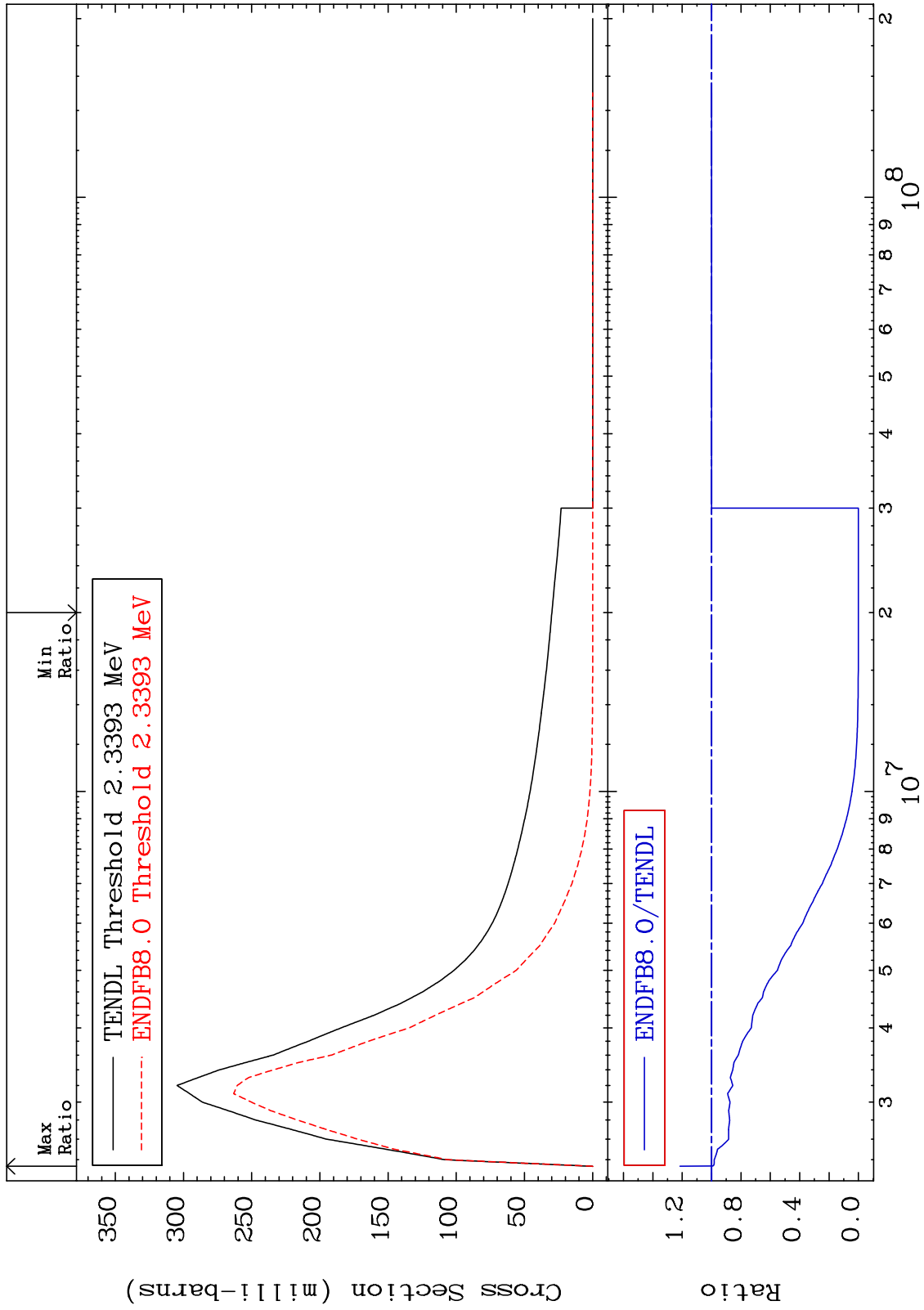
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 53 (n,n') Level
Cross Section

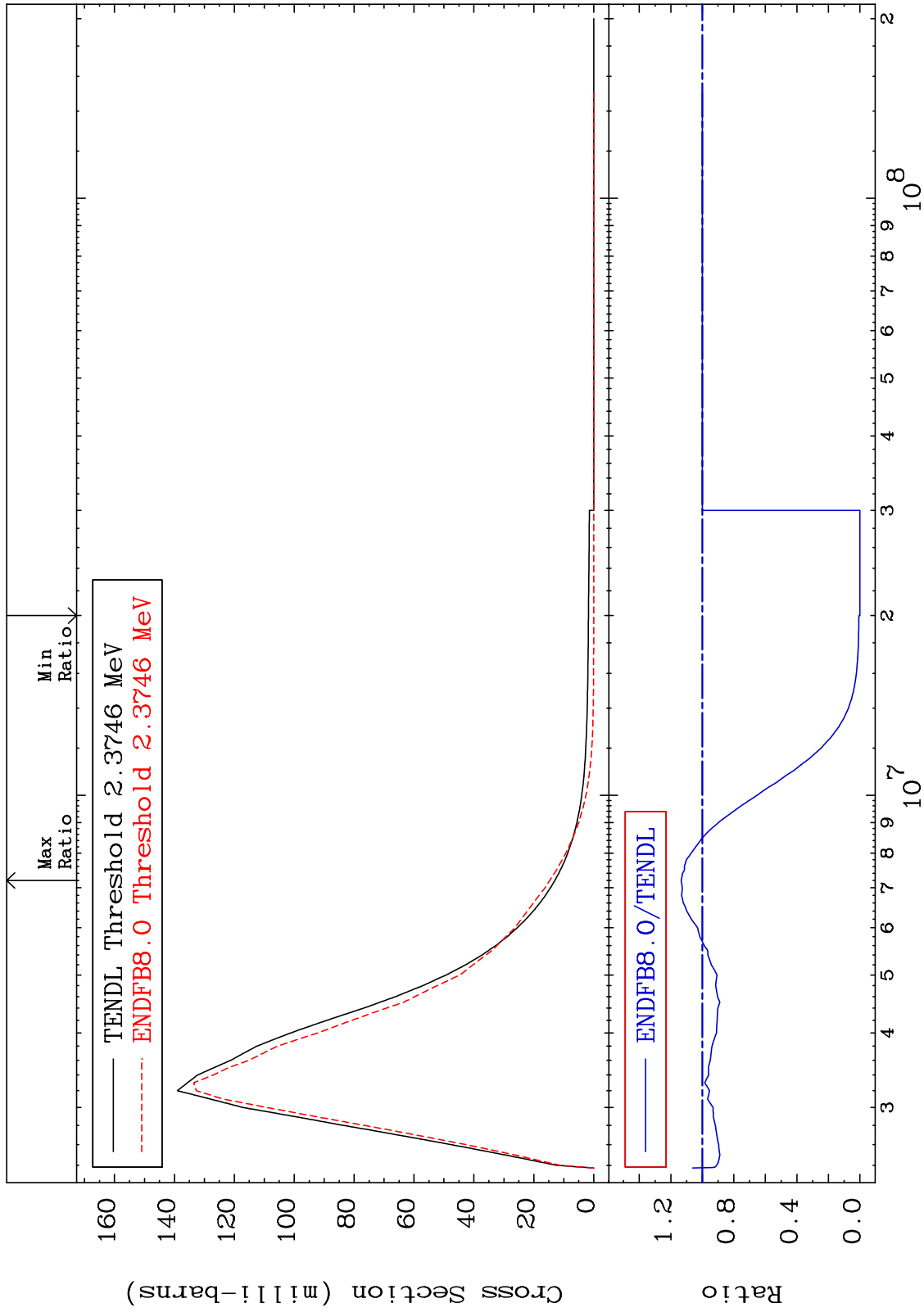
28-Ni-62
-100.0 To 21.47 %



MAT 2837

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

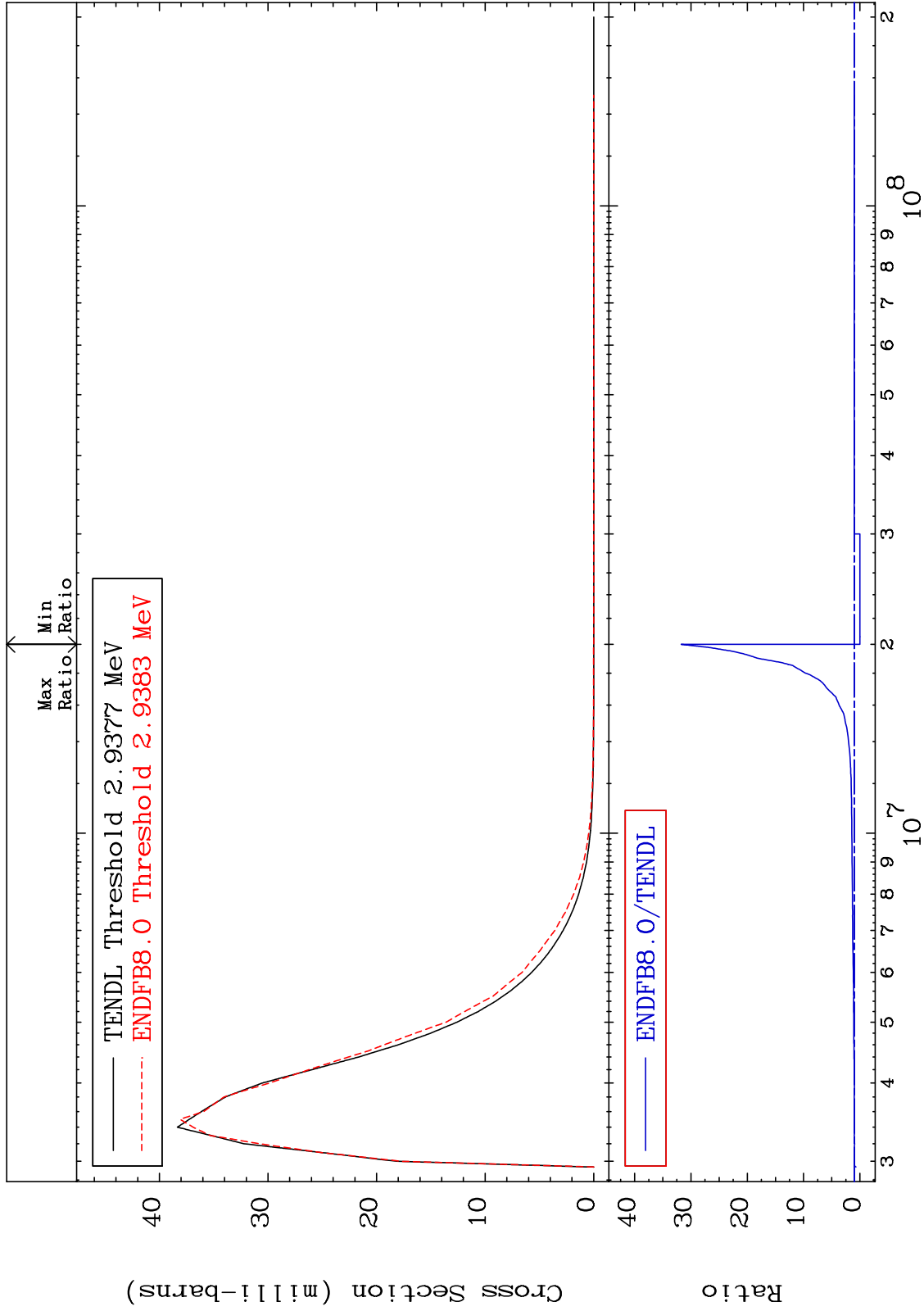
28-Ni-62
-100.0 To 13.39 %



MAT 2837

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

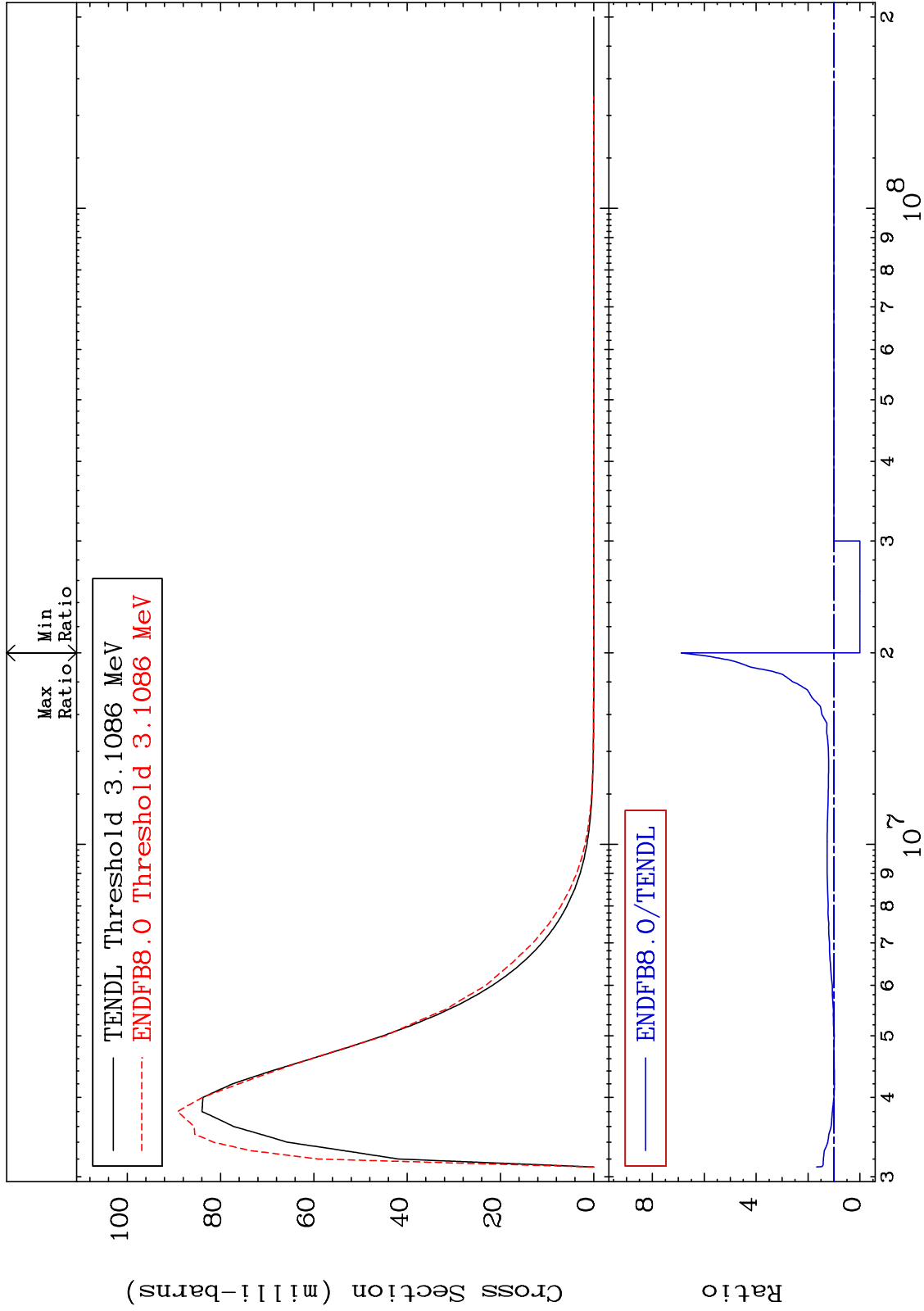
28-Ni-62
-100.0 To 3073. %



MAT 2837

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

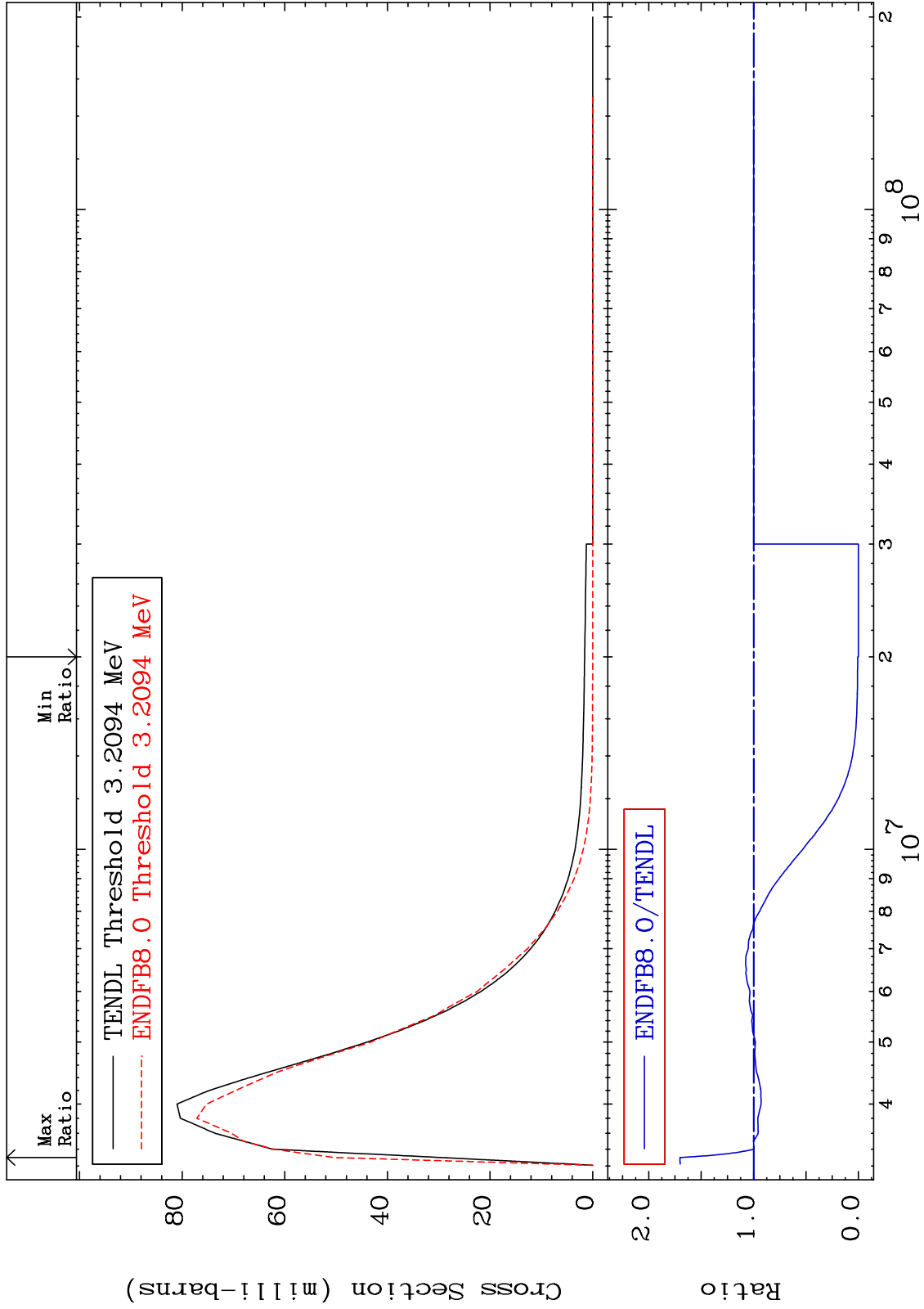
28-Ni-62
-100.0 To 588.9 %



MAT 2837

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

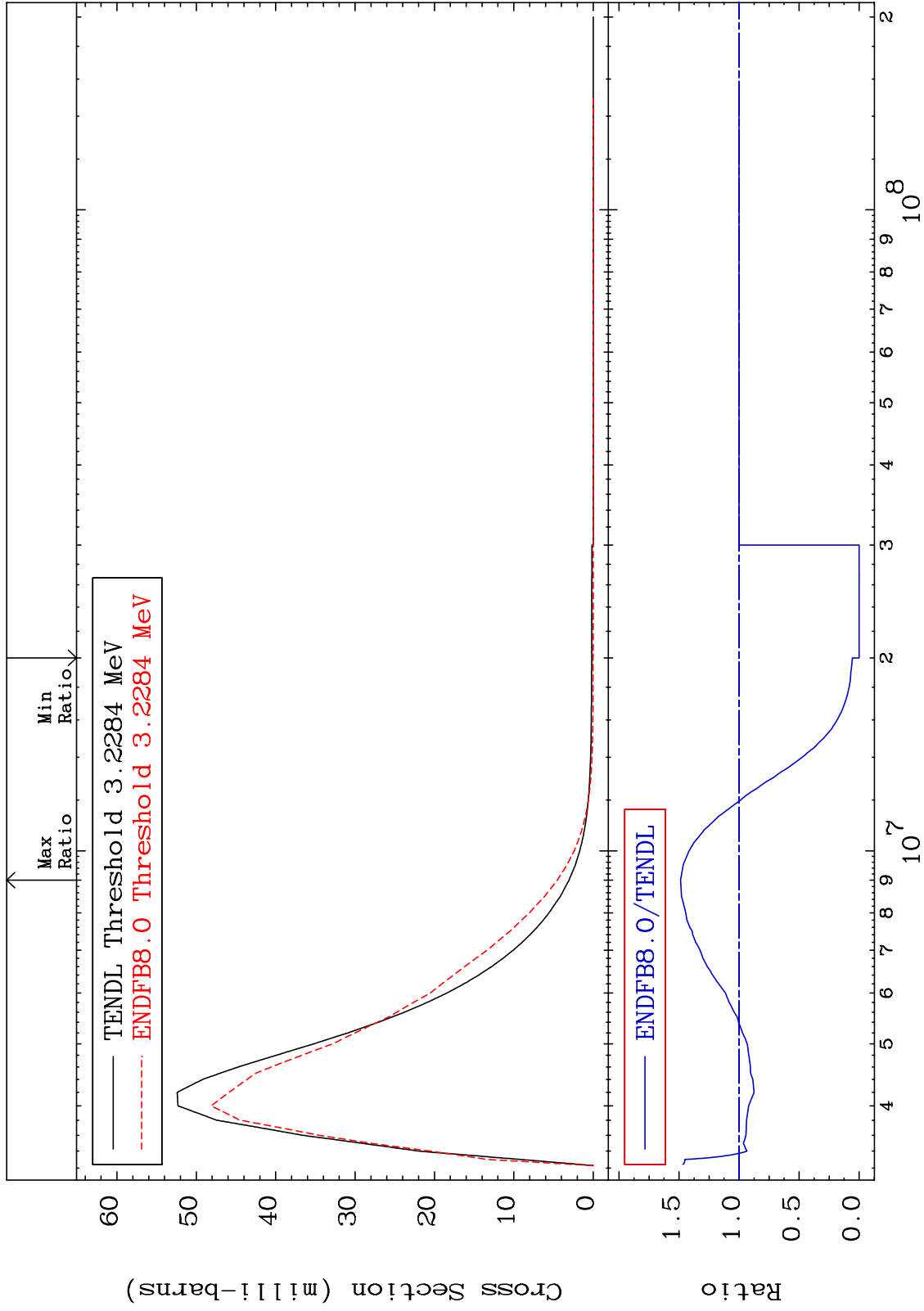
28-Ni-62
-100.0 To 70.20 %



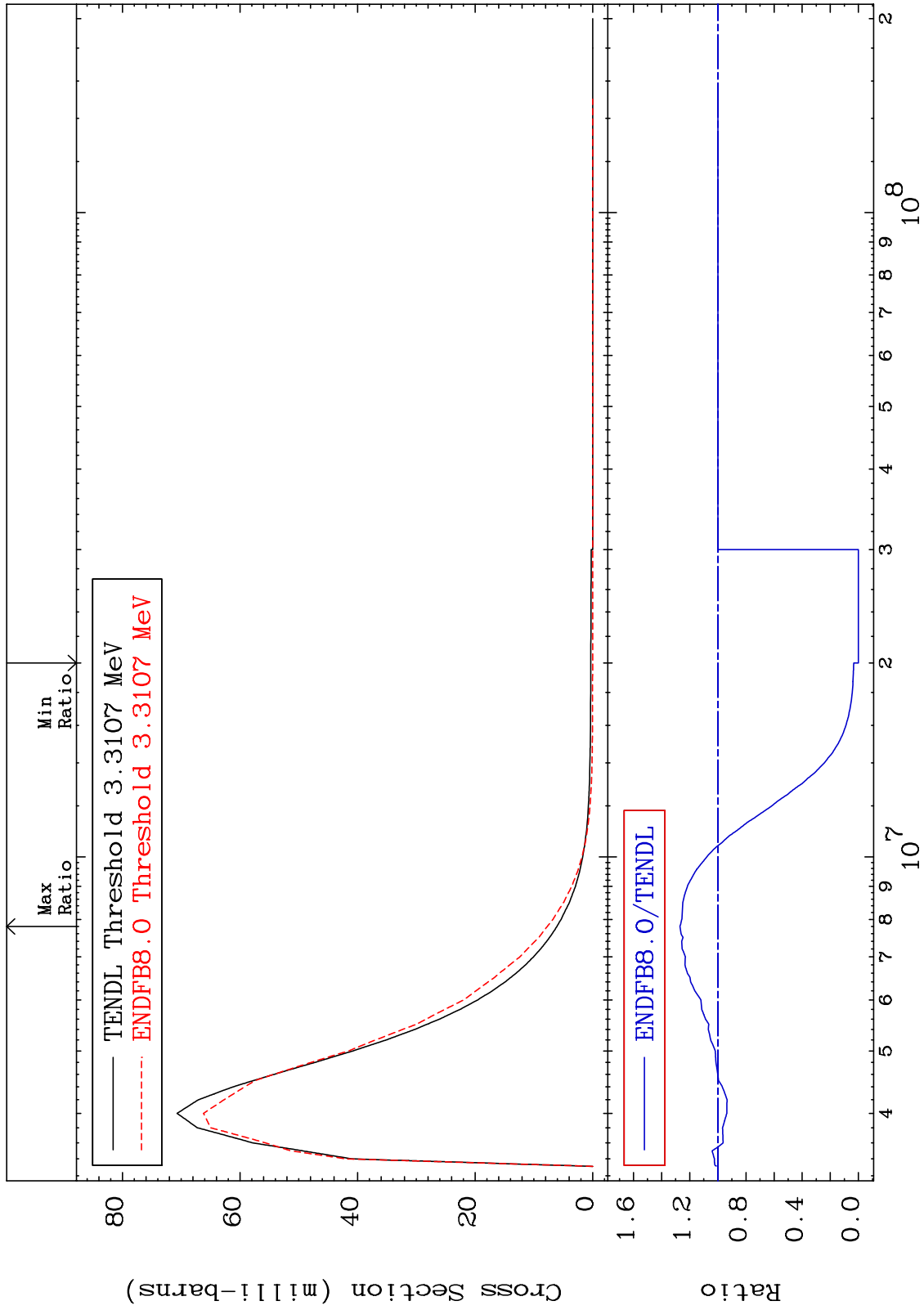
MAT 2837

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

28-Ni-62
-100.0 To 48.68 %



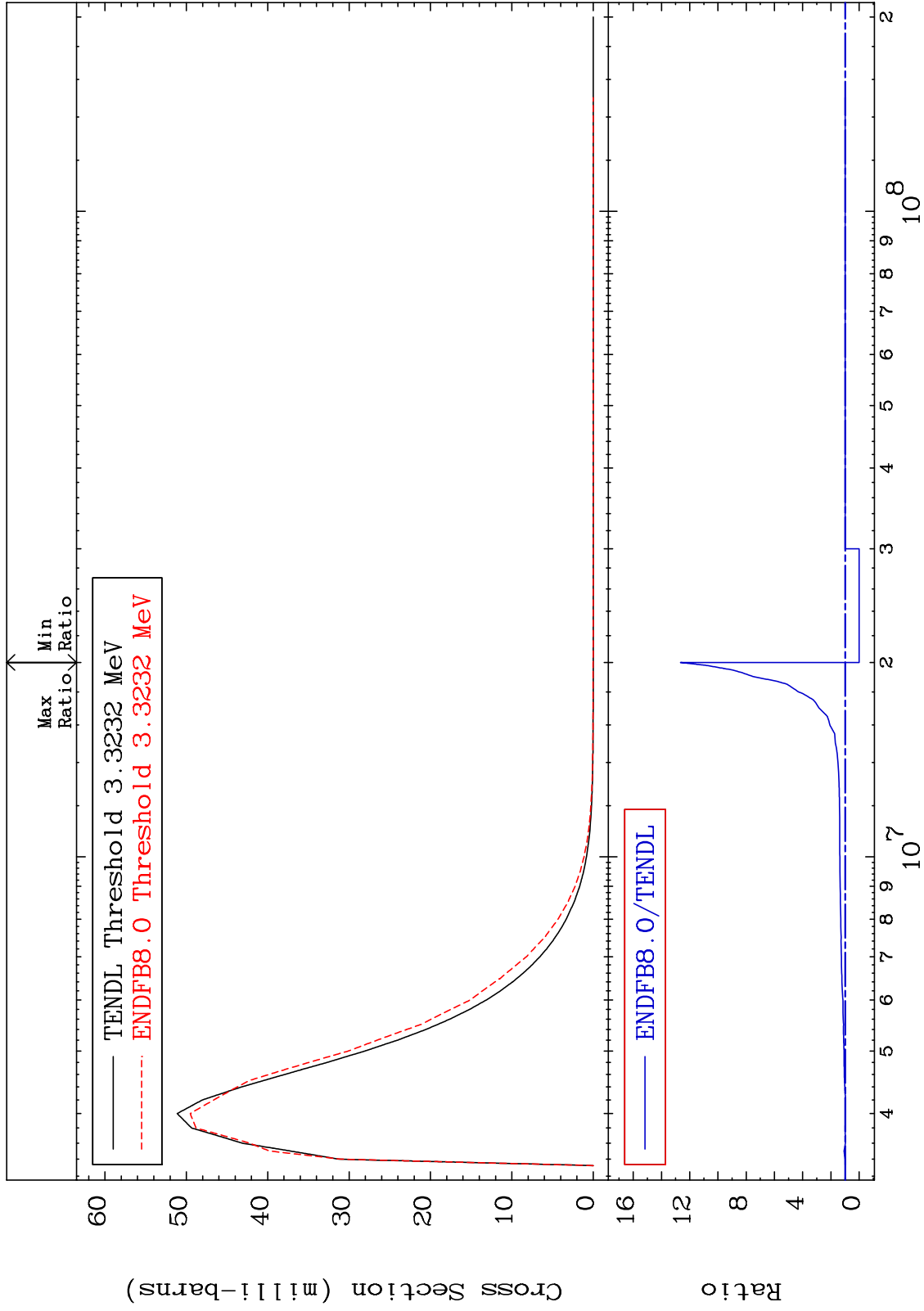
MAT 2837 MT= 59 (n,n') Level Cross Section 28-Ni-62
 -100.0 To 26.91 %



MAT 2837

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

28-Ni-62
-100.0 To 1164. %

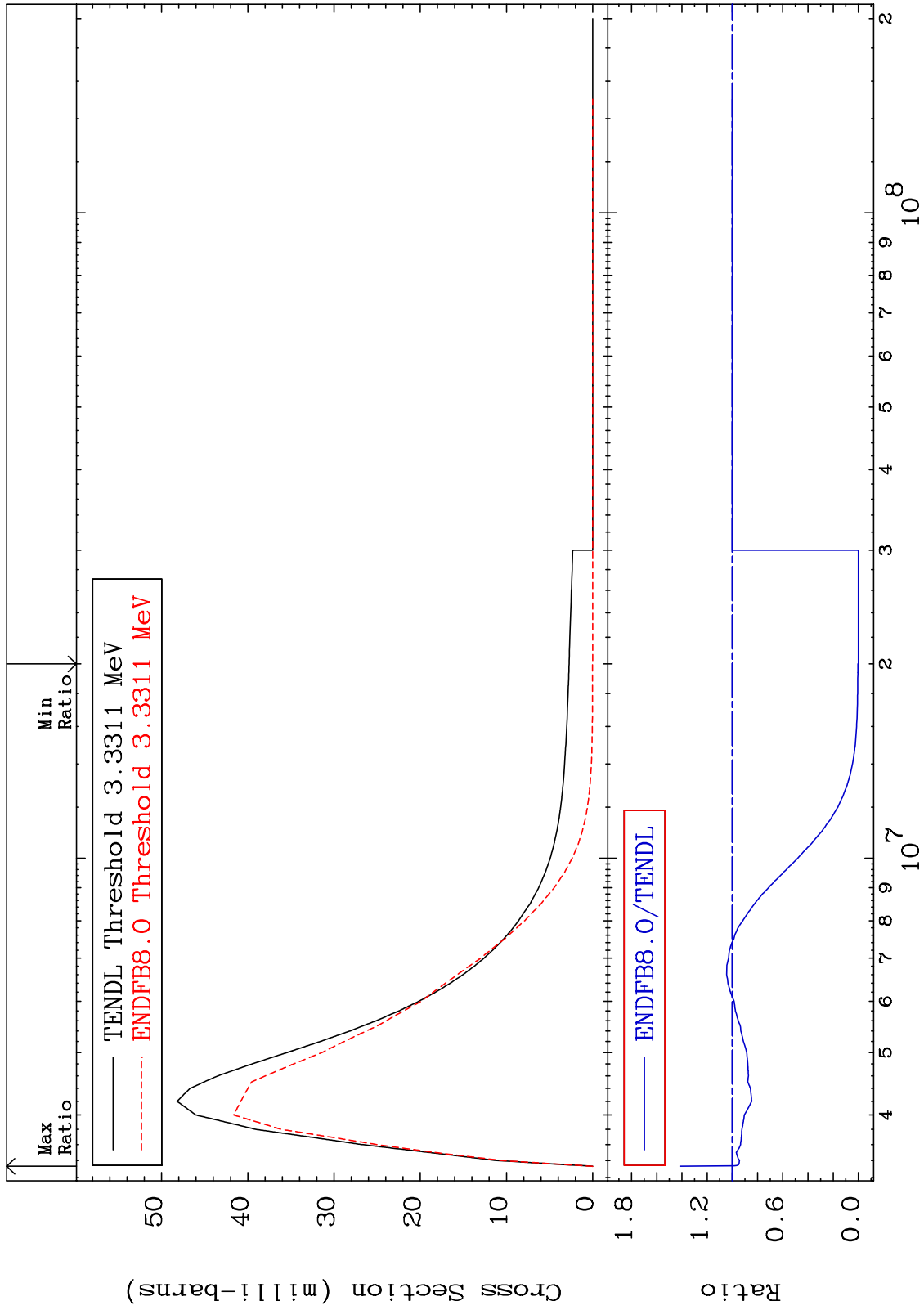


19

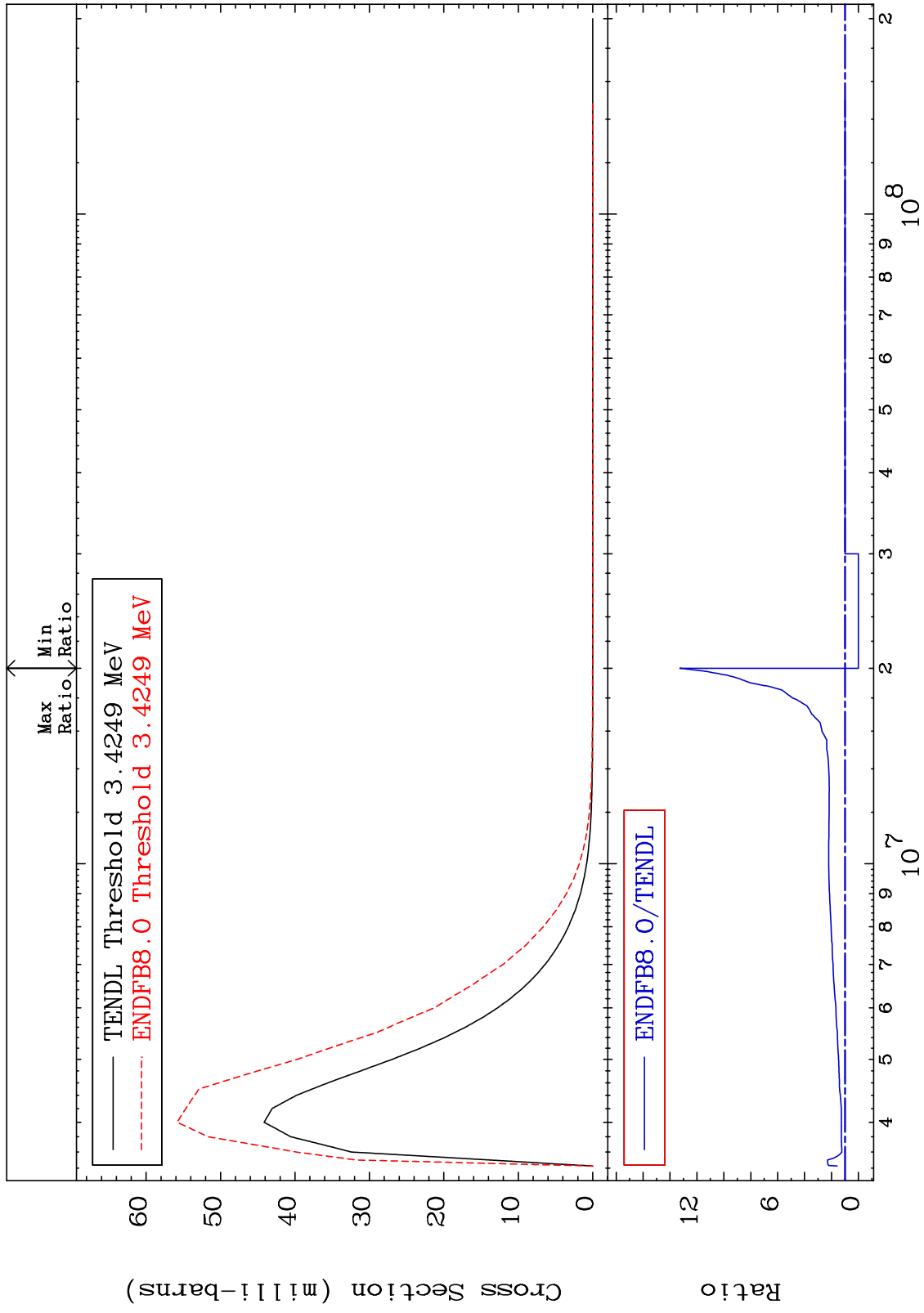
Incident Energy (eV)

28-Ni-62

MAT 2837 MT= 62 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 41.52 %



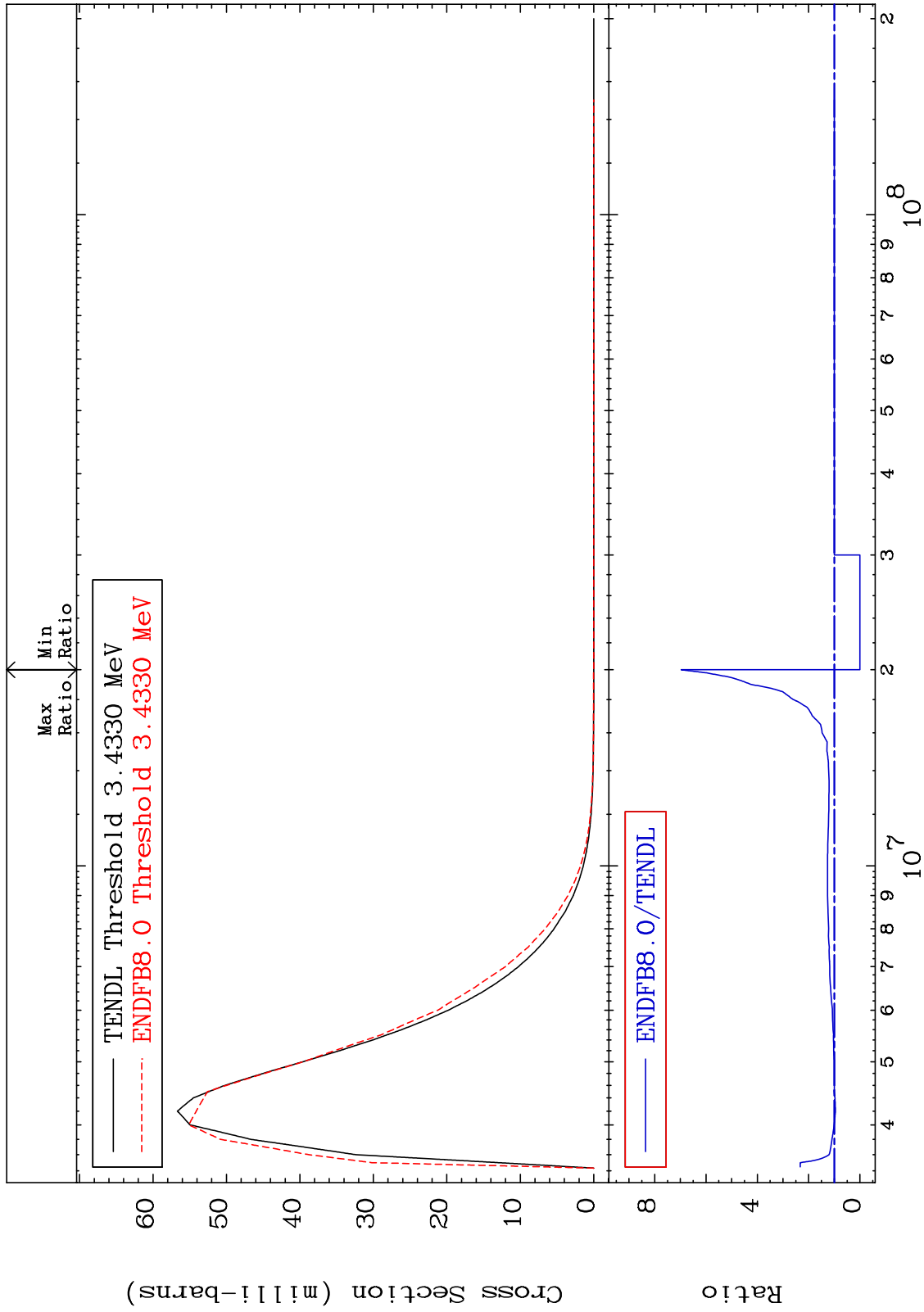
MAT 2837 MT= 63 (n,n') Level Cross Section 28-Ni-62
 -100.0 To 1226. %



MAT 2837

MT= 64 (n,n') Level
Cross Section

28-Ni-62
-100.0 To 596.5 %



22

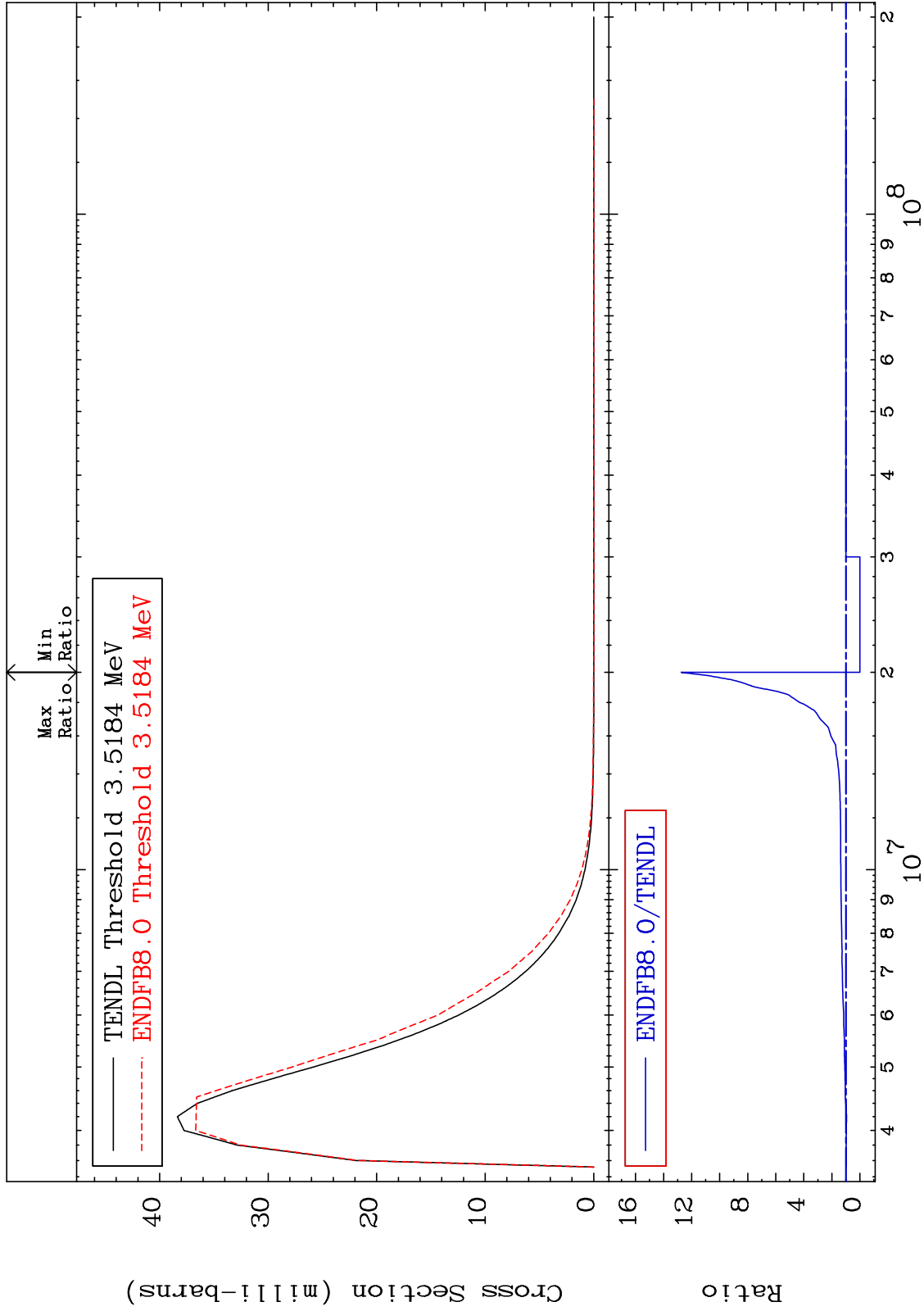
Incident Energy (eV)

28-Ni-62

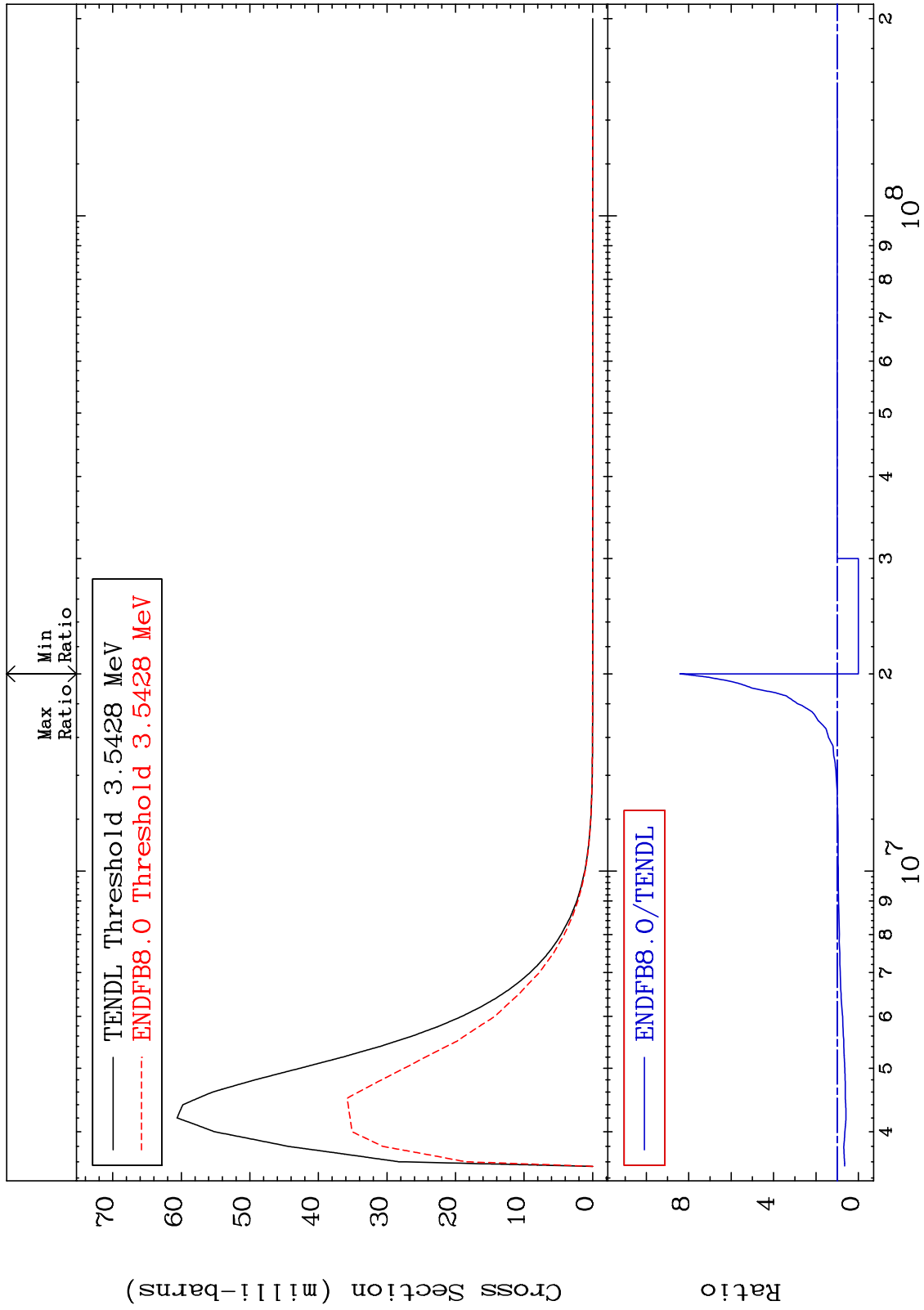
MAT 2837

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

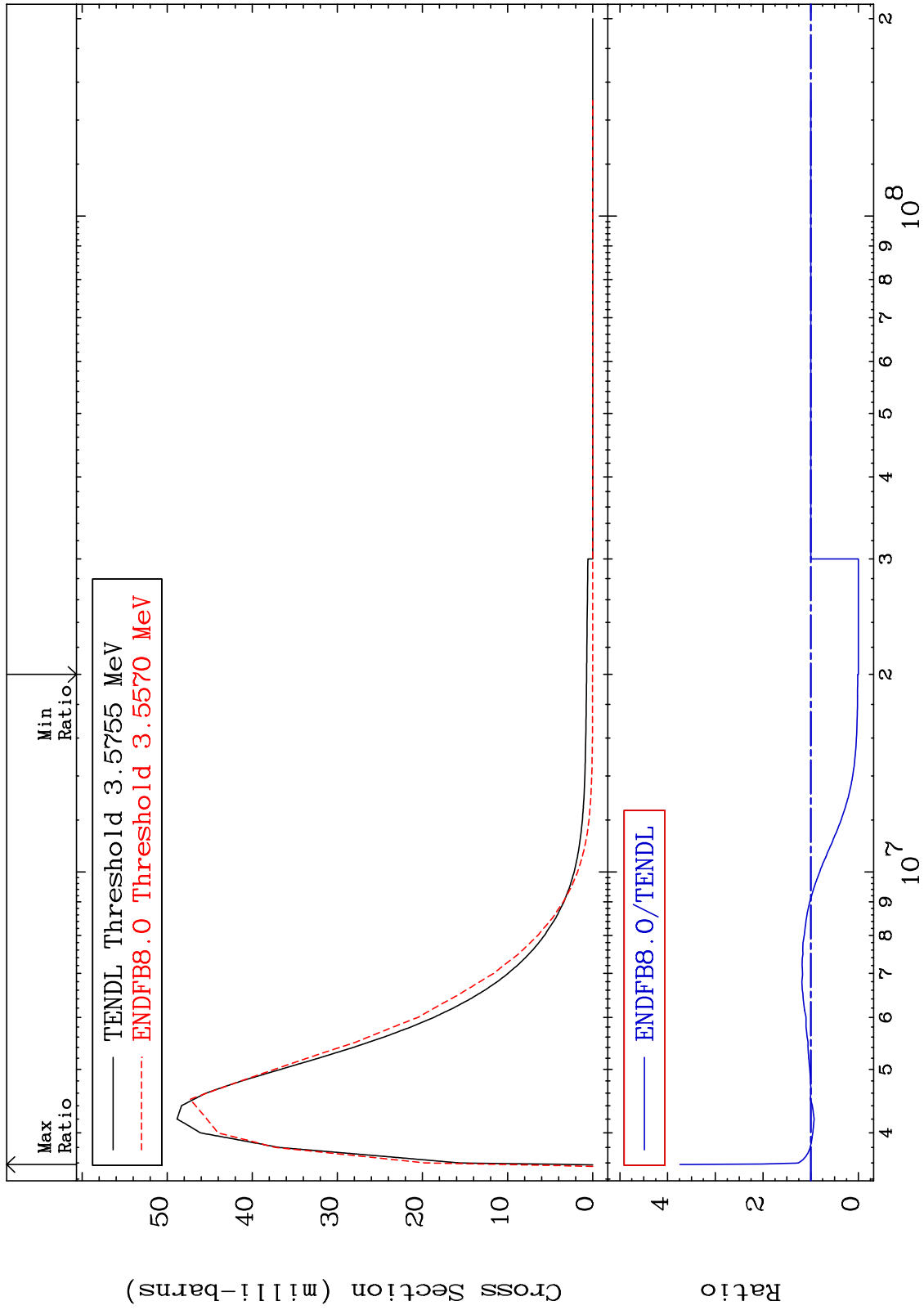
28-Ni-62
-100.0 To 1174. %



MAT 2837 MT= 66 (n,n') Level Cross Section -100.0 To 741.3 % 28-Ni-62



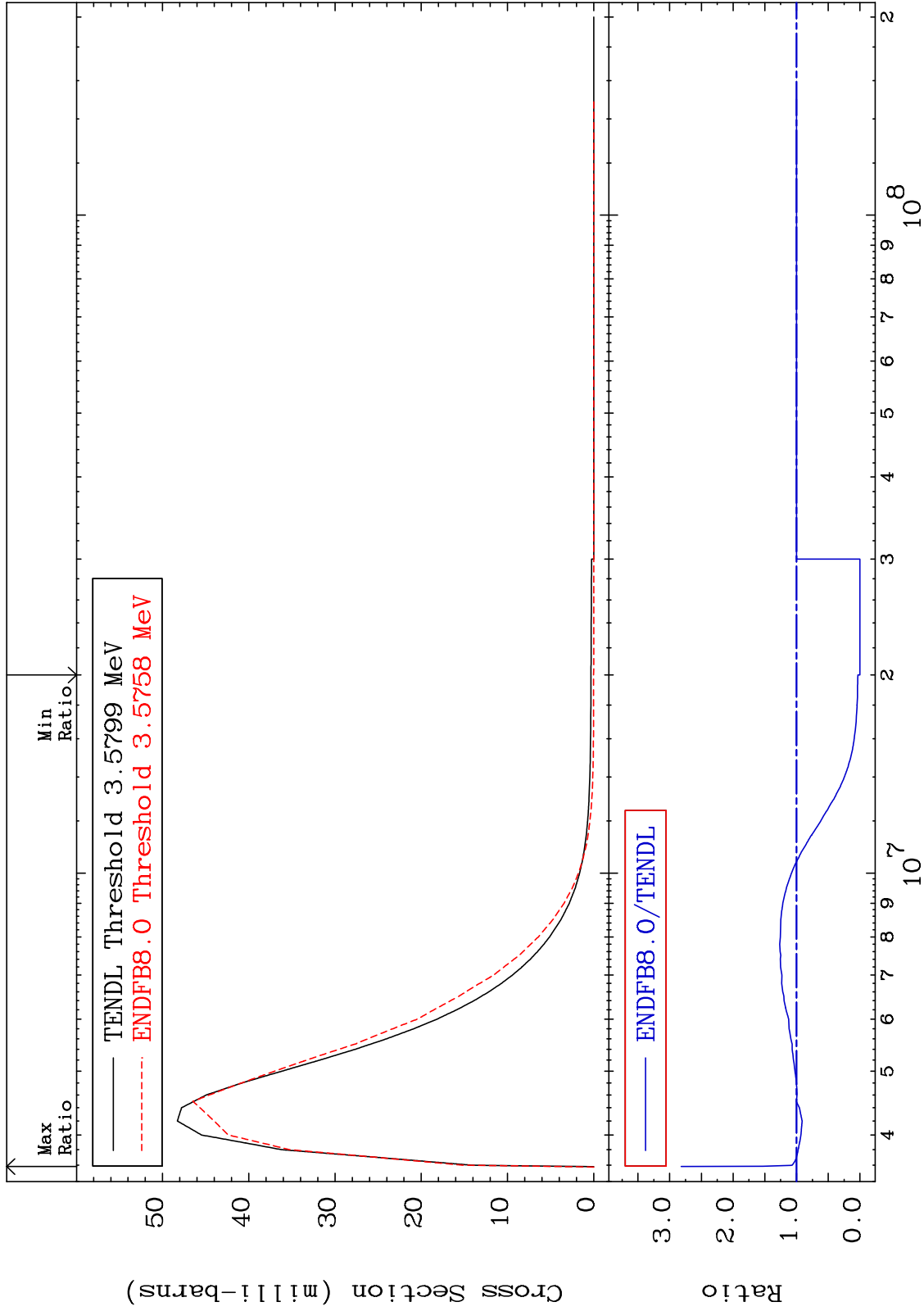
MAT 2837 MT= 67 (n,n') Level Cross Section 28-Ni-62
 -100.0 To 274.0 %



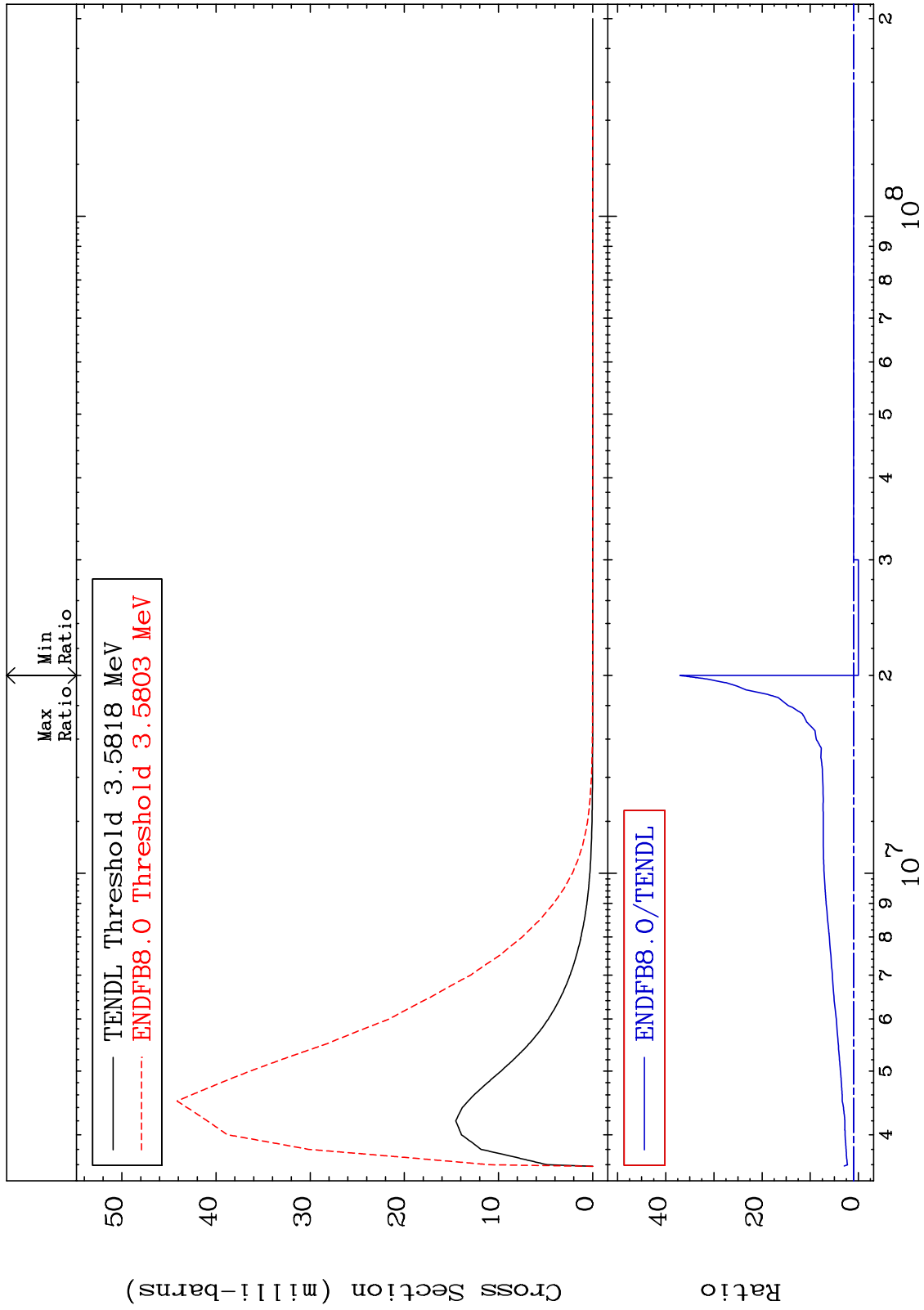
MAT 2837

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

28-Ni-62
-100.0 To 181.8 %



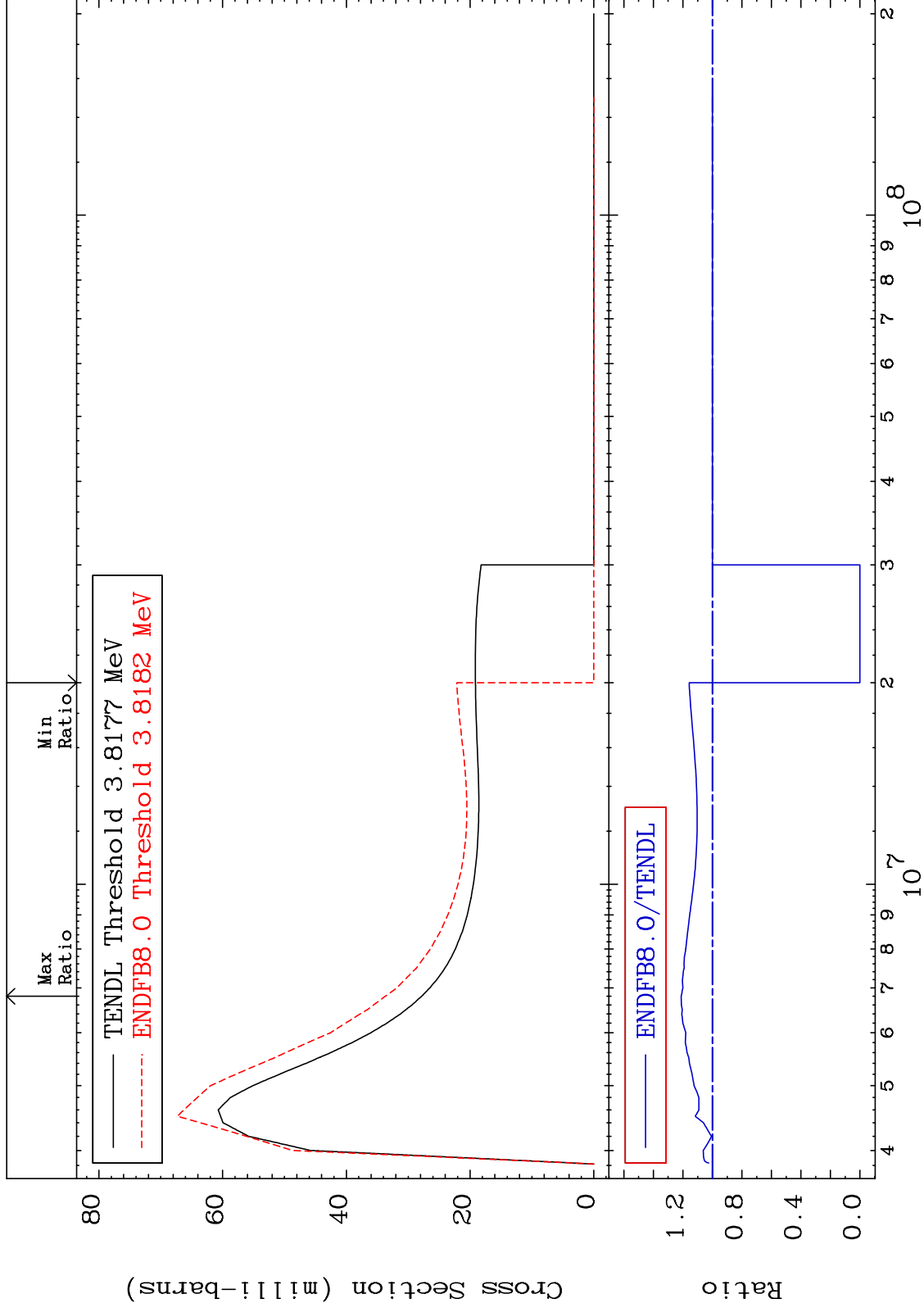
MAT 2837 MT= 69 (n,n') Level Cross Section 28-Ni-62
 -100.0 To 3603. %



MAT 2837

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

28-Ni-62
-100.0 To 21.14 %



28

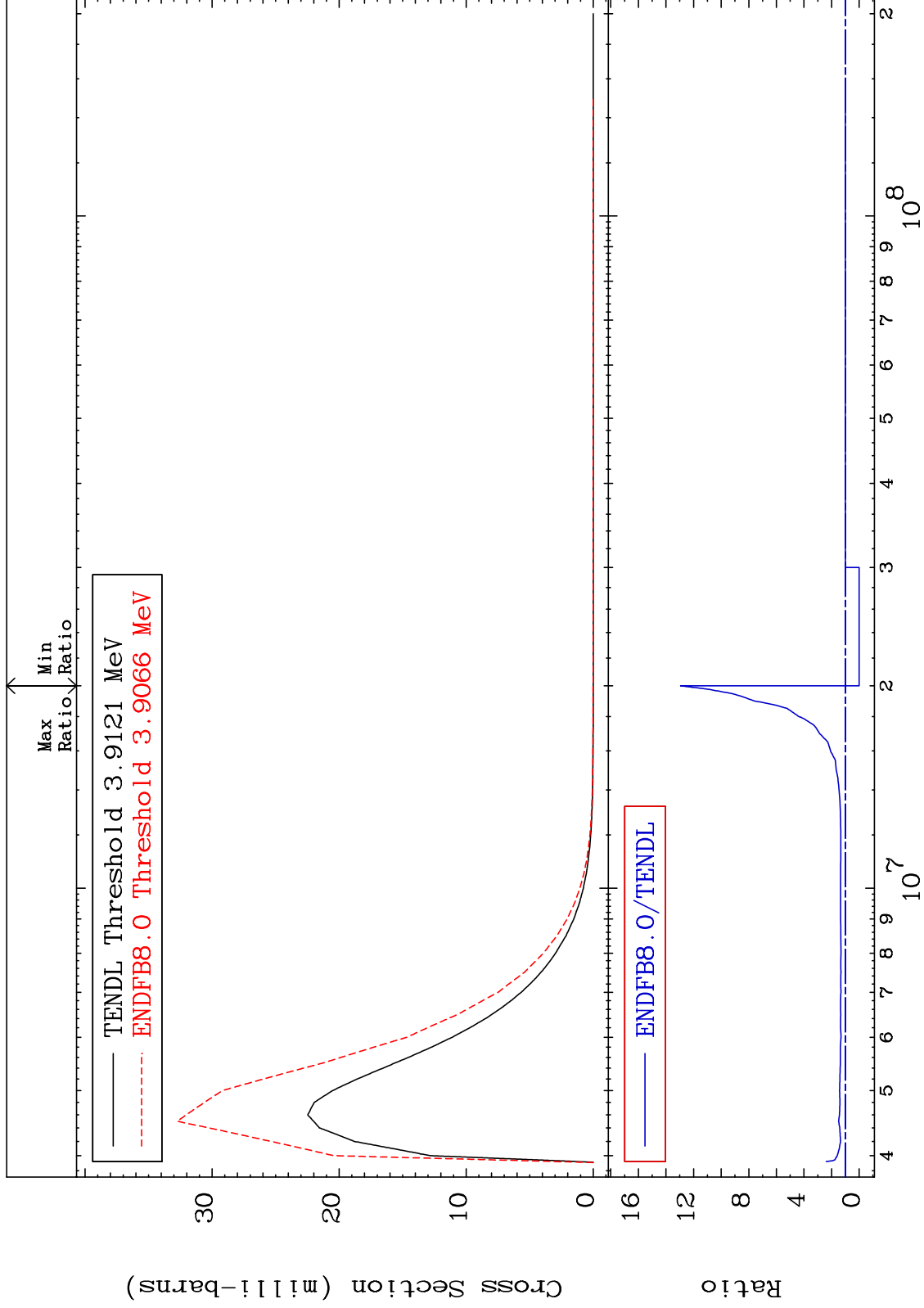
Incident Energy (eV)

28-Ni-62

MAT 2837

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

28-Ni-62
-100.0 To 1194. %

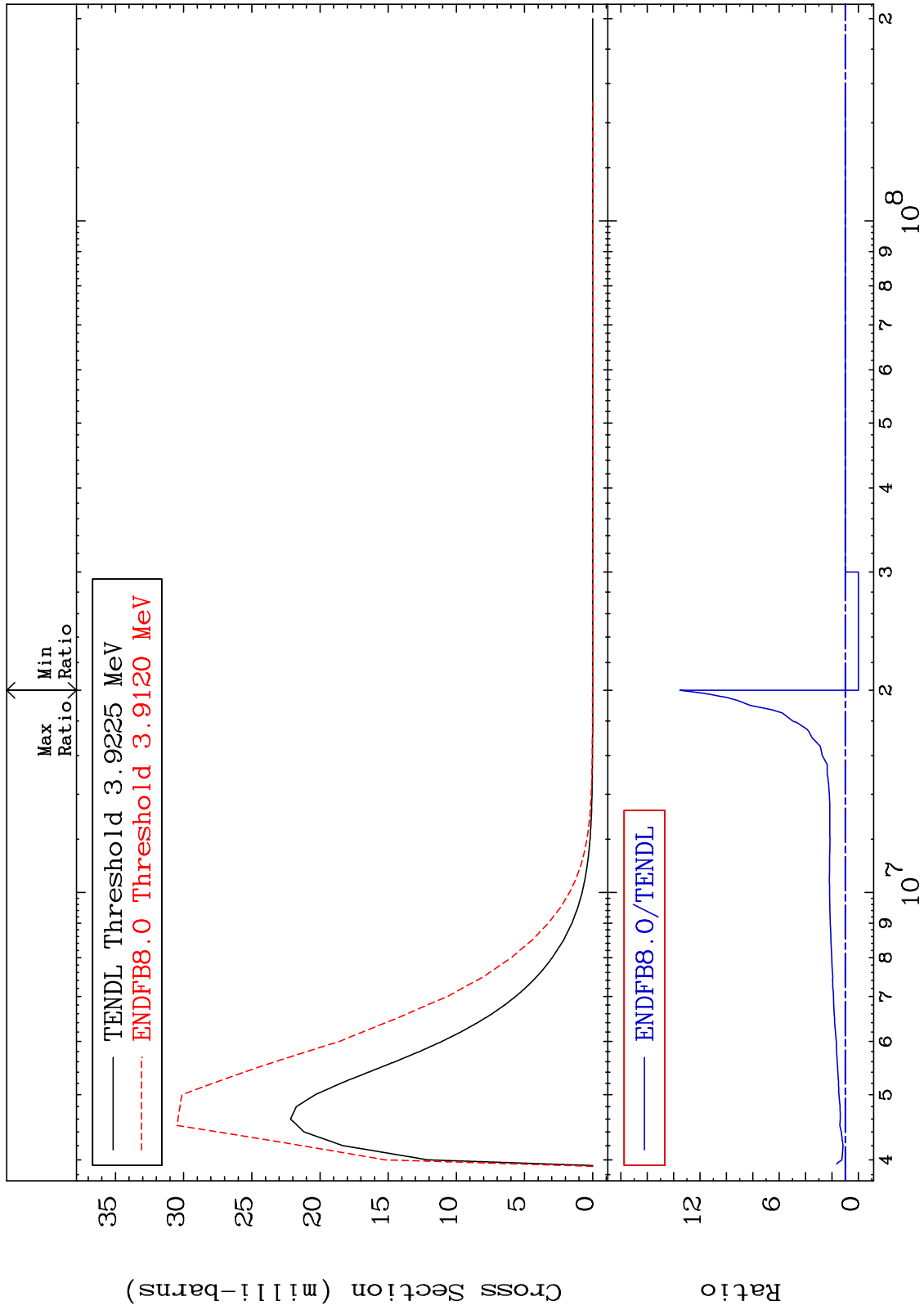


29

Incident Energy (eV)

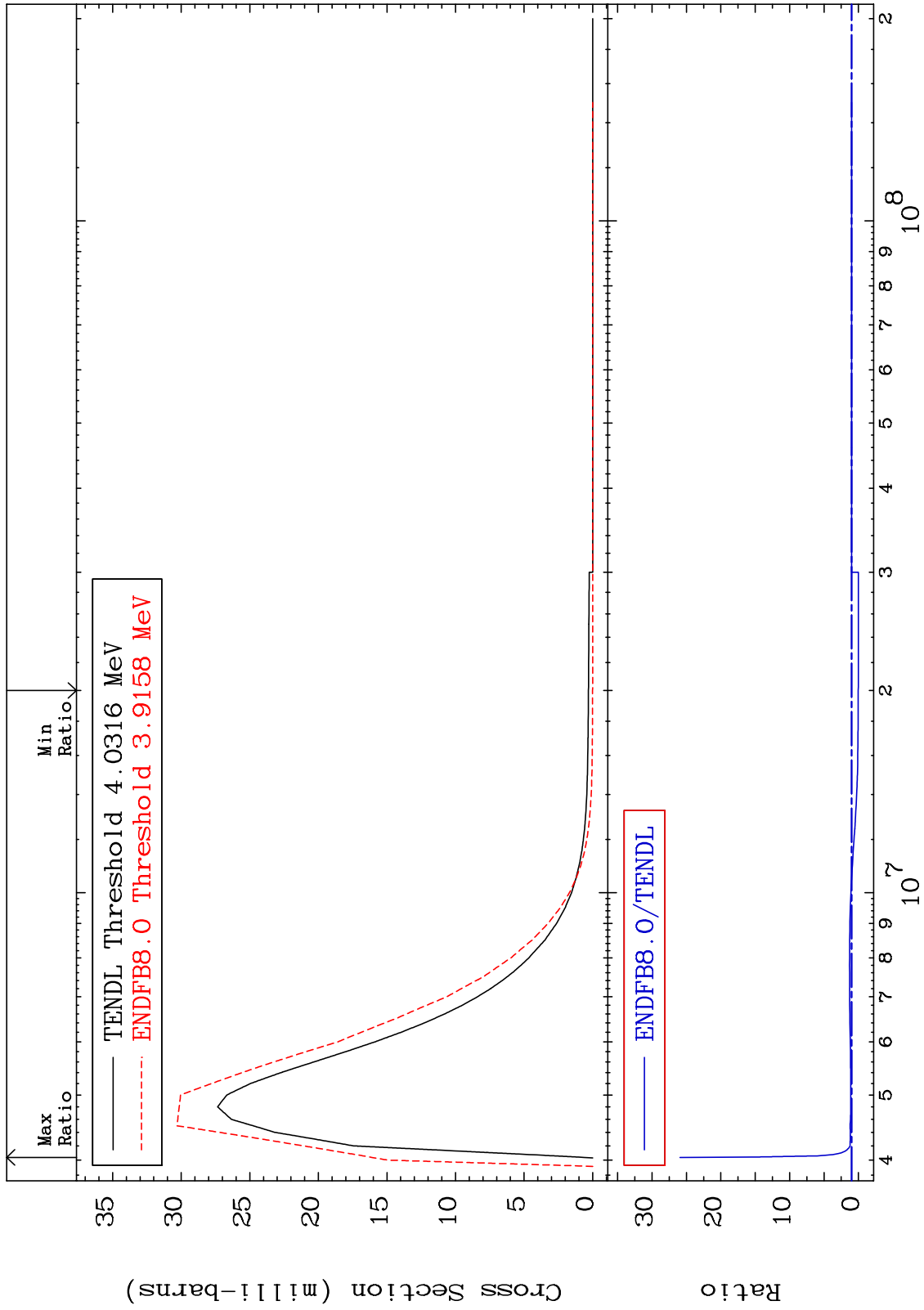
28-Ni-62

MAT 2837 MT= 72 (n,n') Level Cross Section -100.0 To 1252. % 28-Ni-62



30 Incident Energy (eV) 28-Ni-62

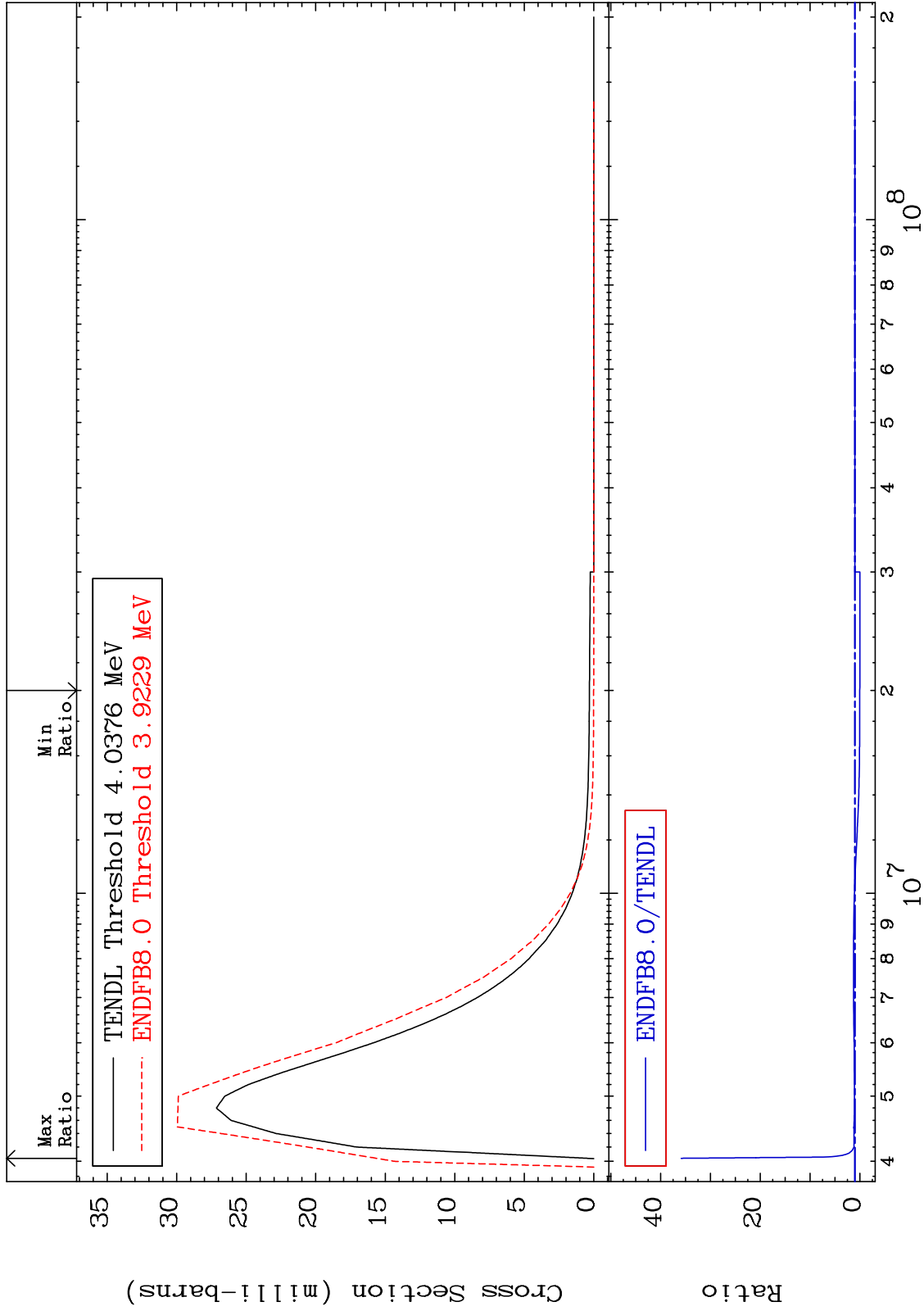
MAT 2837 MT= 73 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 2493. %



MAT 2837

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

28-Ni-62
-100.0 To 3487. %



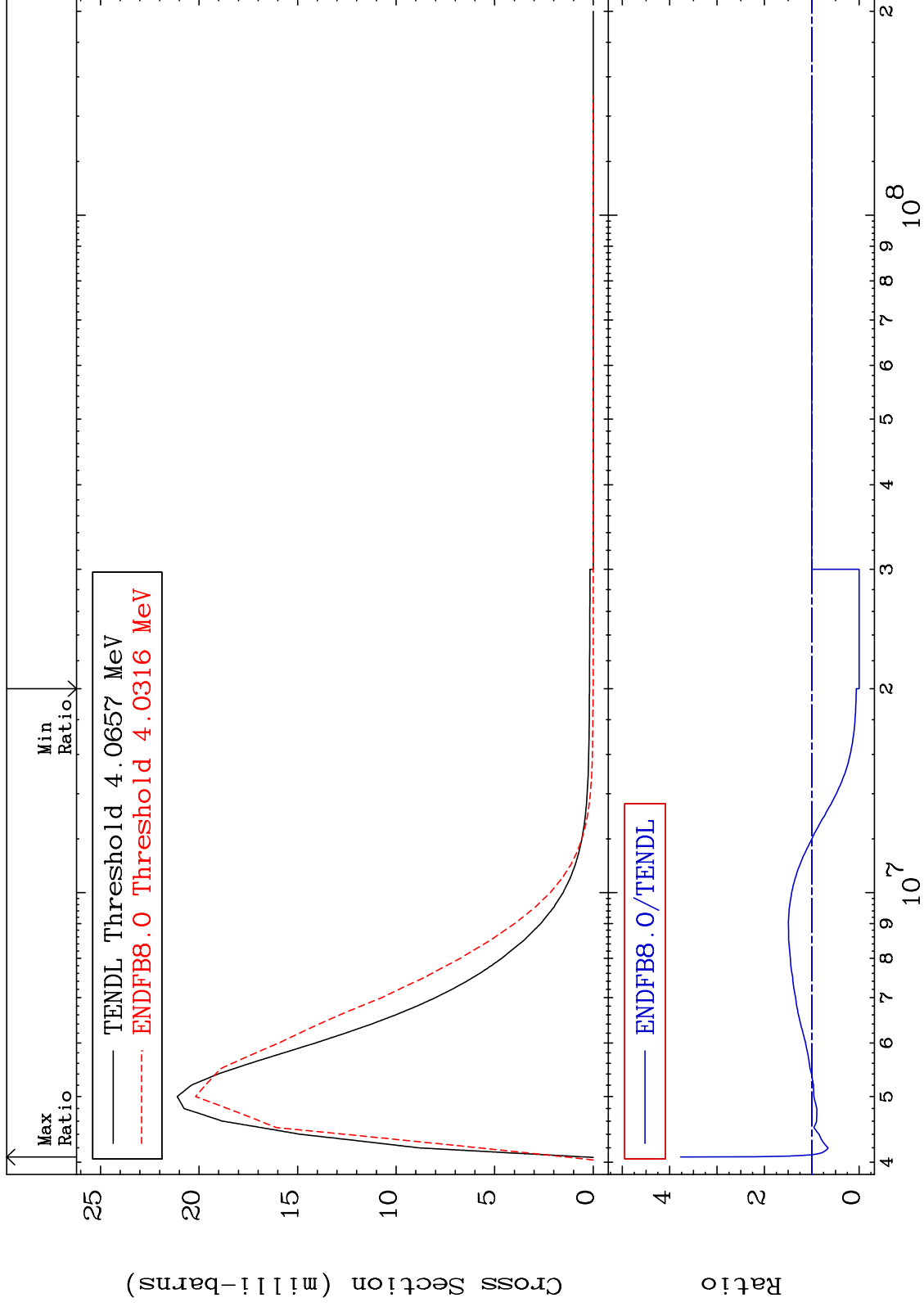
32

28-Ni-62

MAT 2837

MT= 75 (n,n') Level
Cross Section

28-Ni-62
-100.0 To 277.0 %

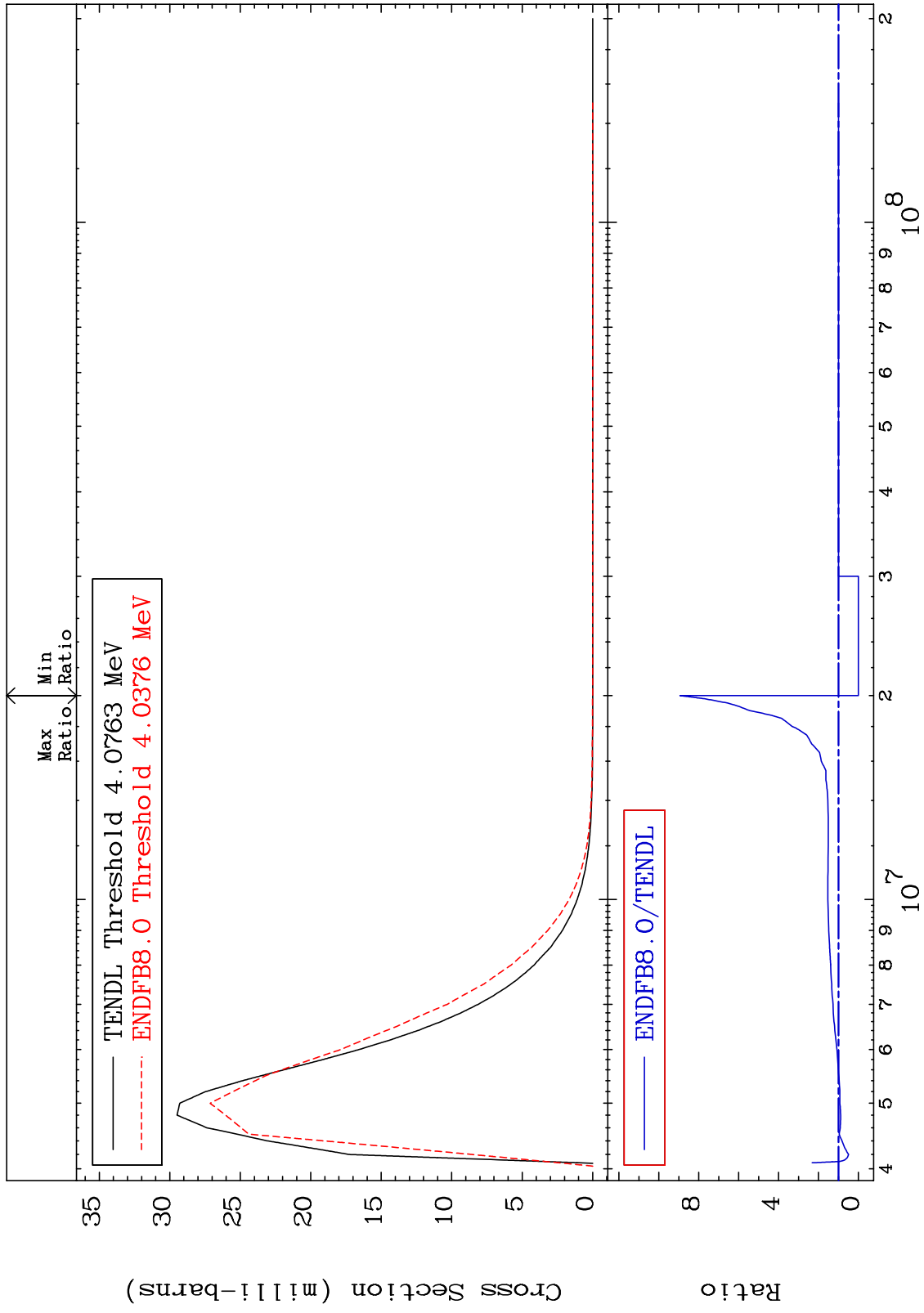


33

28-Ni-62

28-Ni-62

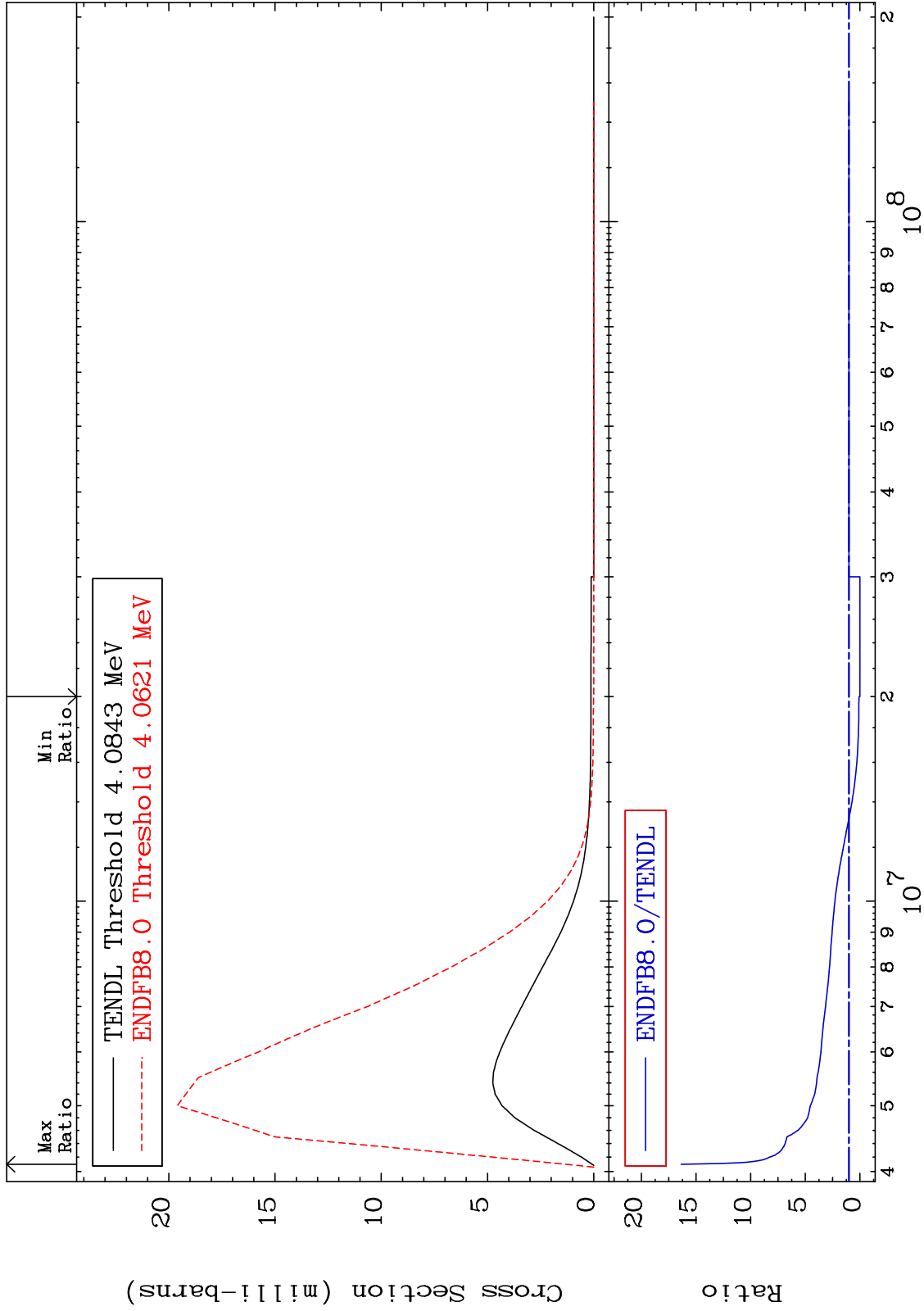
MAT 2837 MT= 76 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 794.1 %



MAT 2837

MT= 77 (n,n') Level
Cross Section

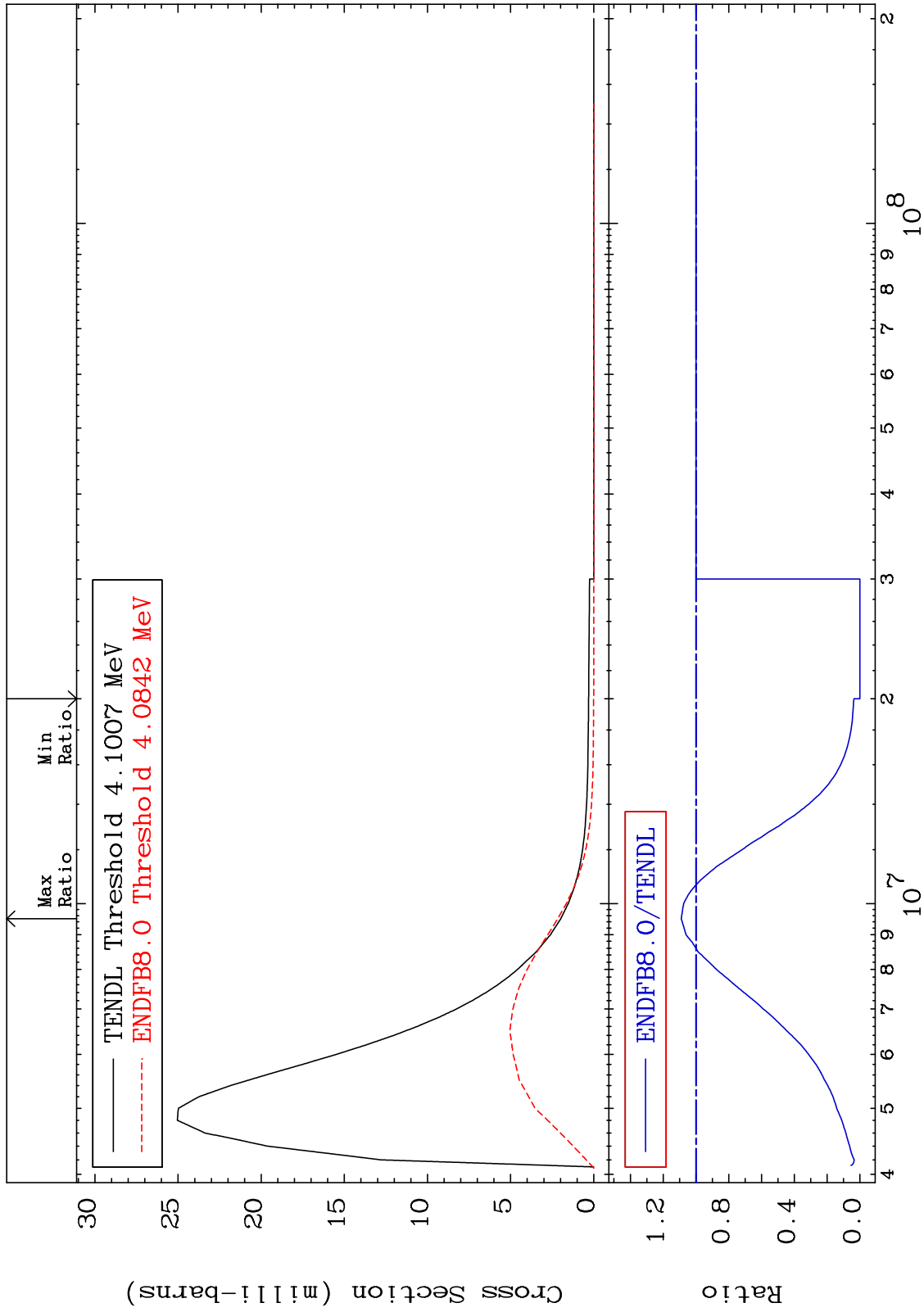
28-Ni-62
-100.0 To 1536. %



MAT 2837

MT= 78 (n,n') Level
Cross Section

28-Ni-62
-100.0 To 8.983 %

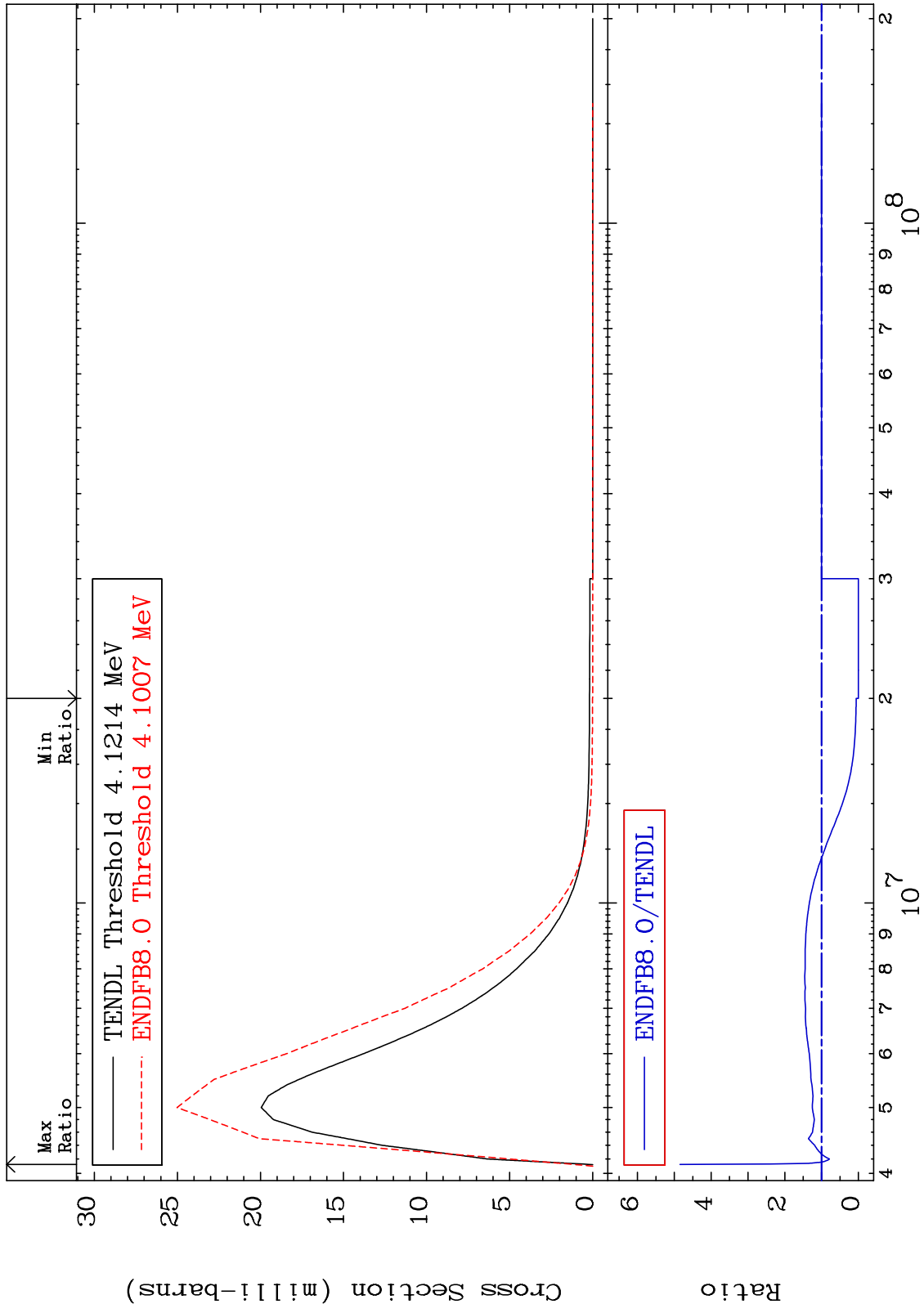


36

Incident Energy (eV)

28-Ni-62

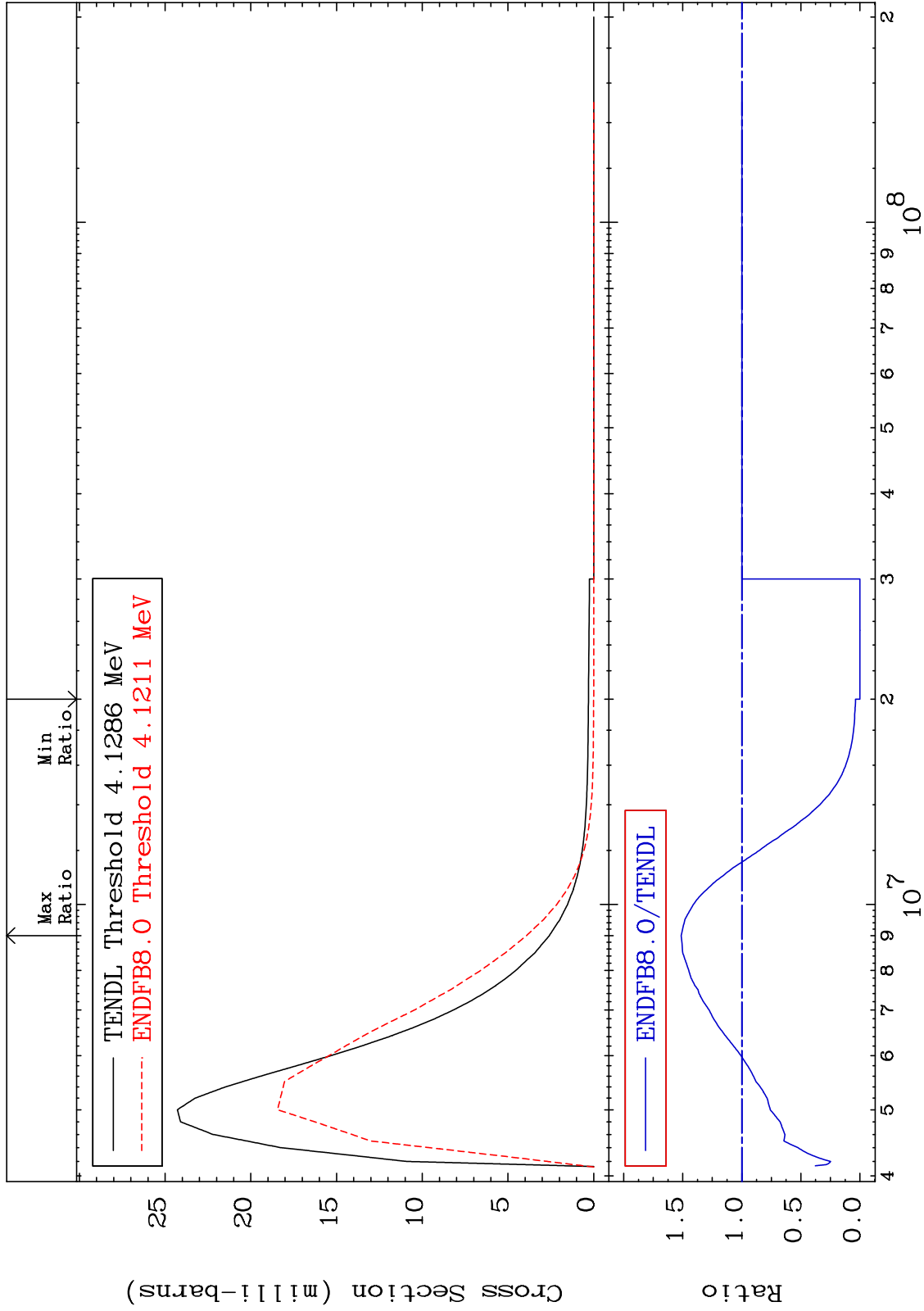
MAT 2837 MT= 79 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 384.6 %



MAT 2837

MT= 80 (n,n') Level
Cross Section

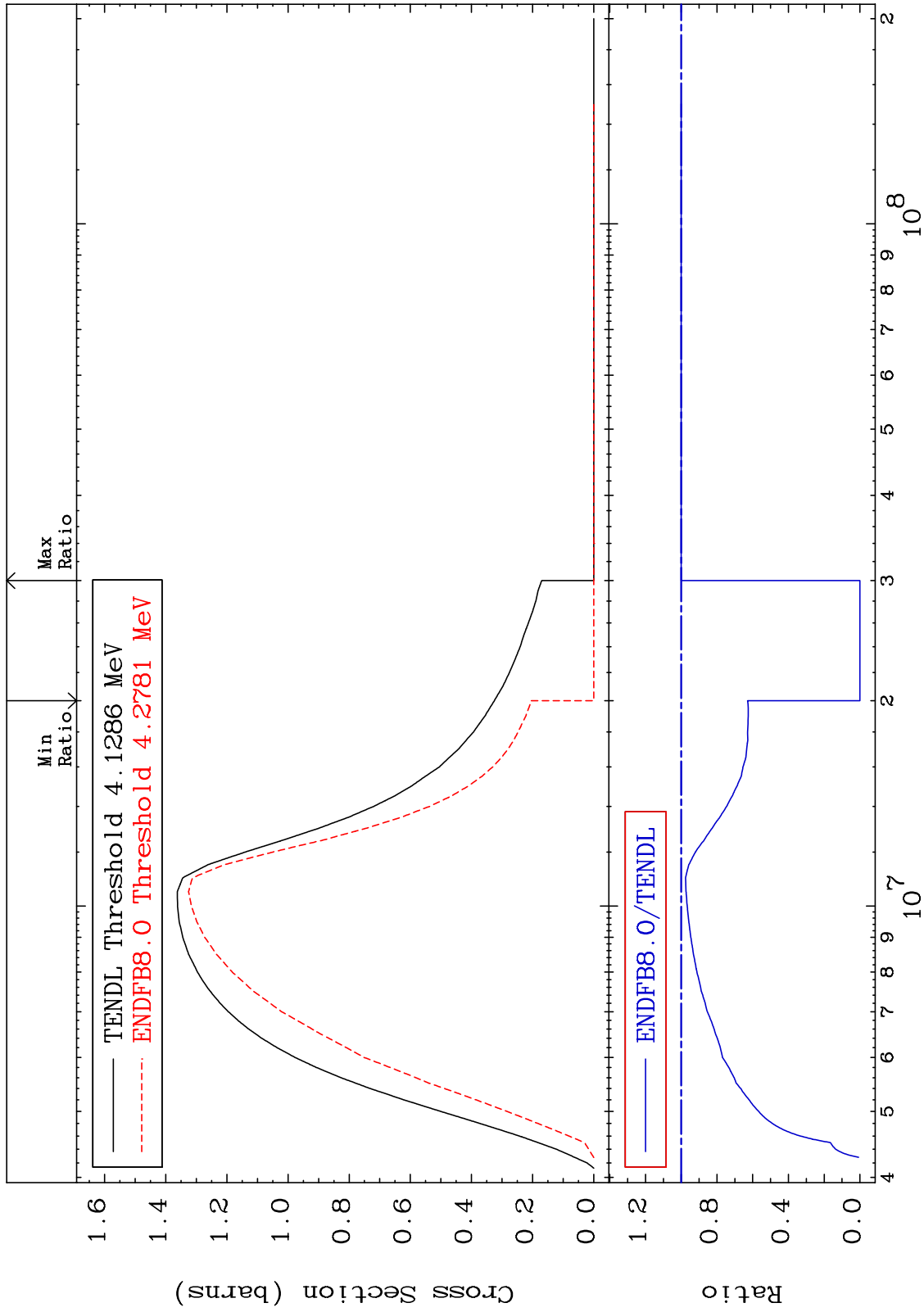
28-Ni-62
-100.0 To 51.28 %



MAT 2837

(n, n') Continuum
Cross Section

28-Ni-62
-100.0 To 0.000 %



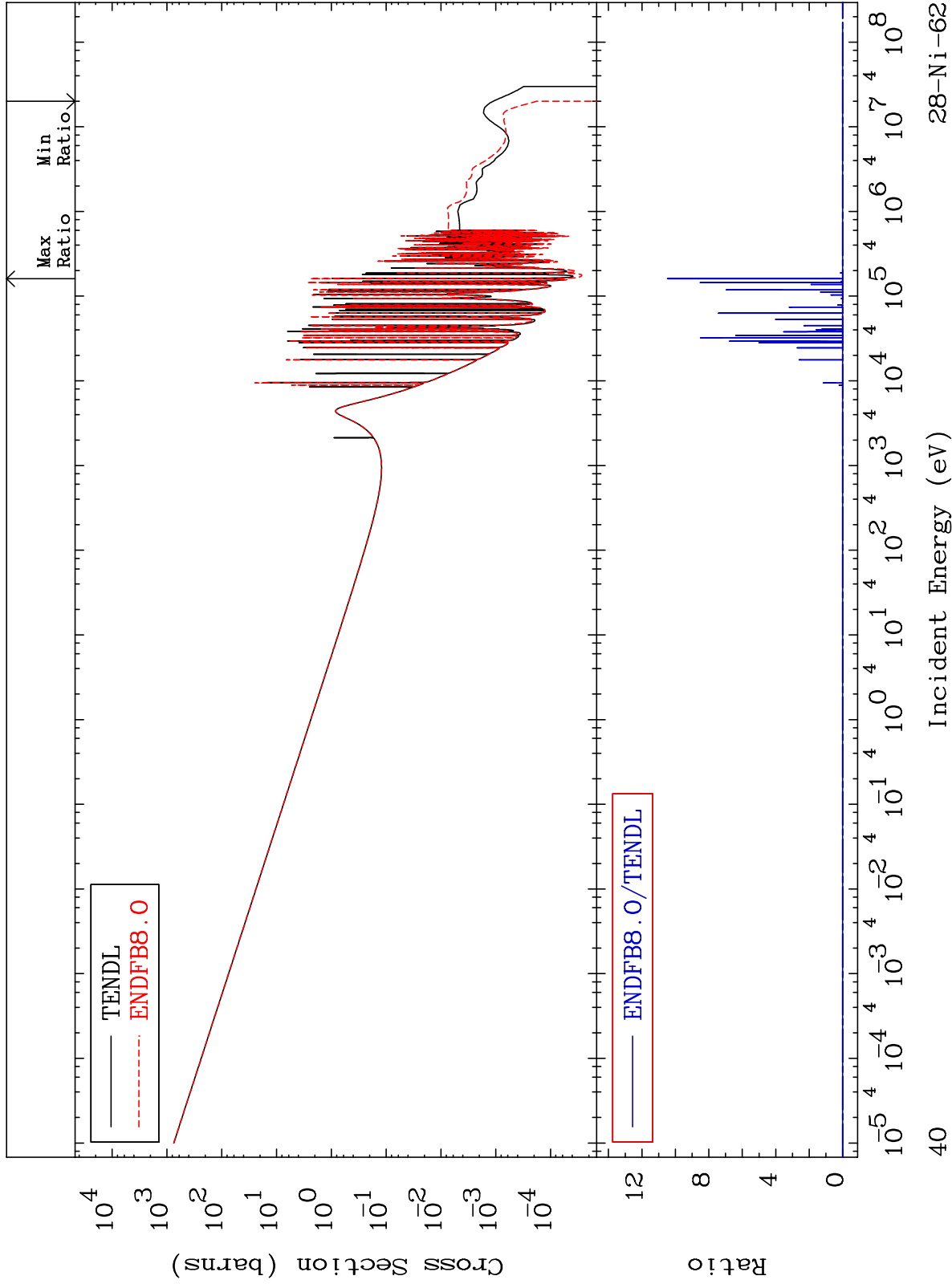
MAT 2837

(n, γ)

28-Ni-62

Cross Section

-100.0 To 9999. %



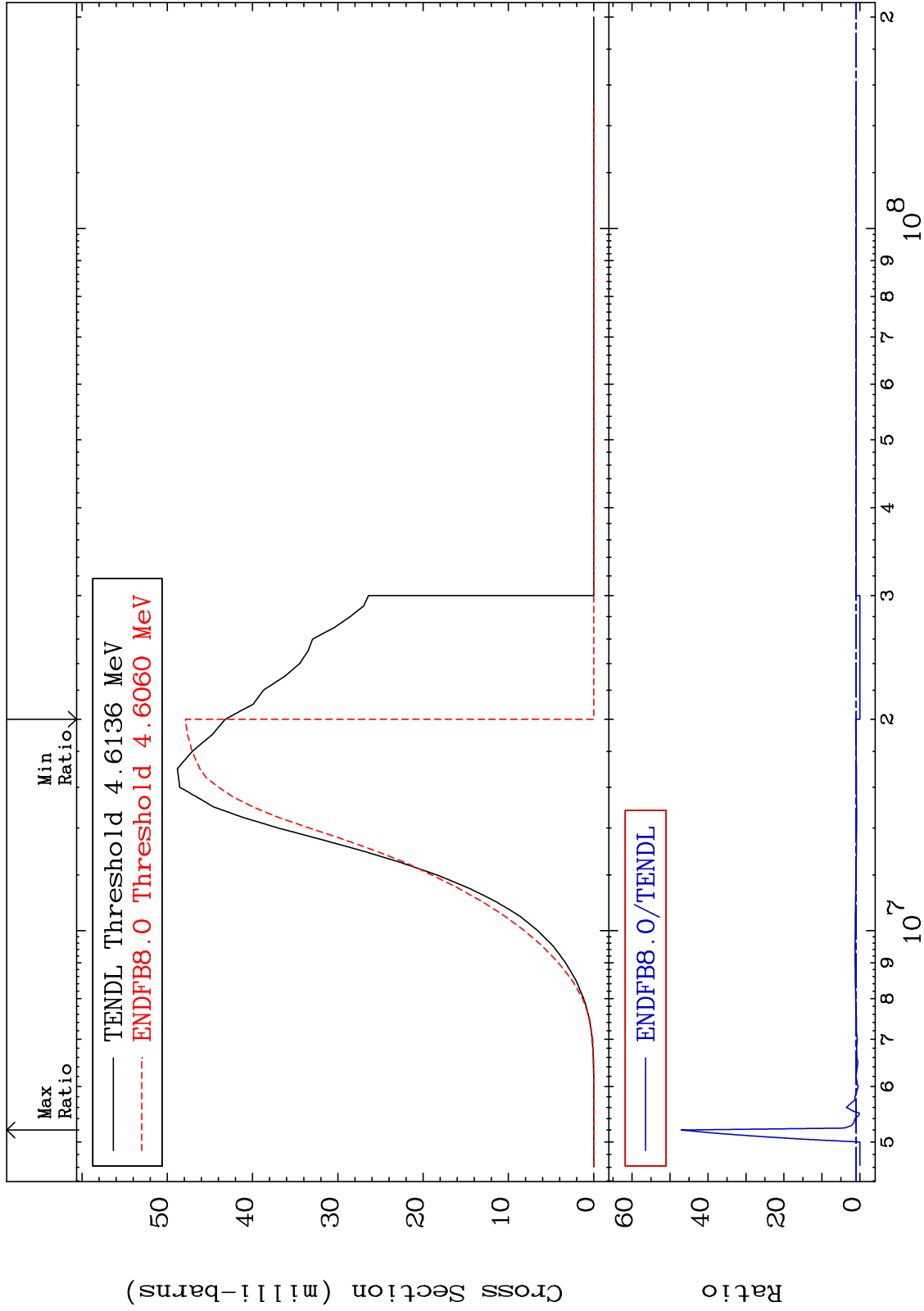
MAT 2837

(n,p)

28-Ni-62

Cross Section

-100.0 To 4603. %



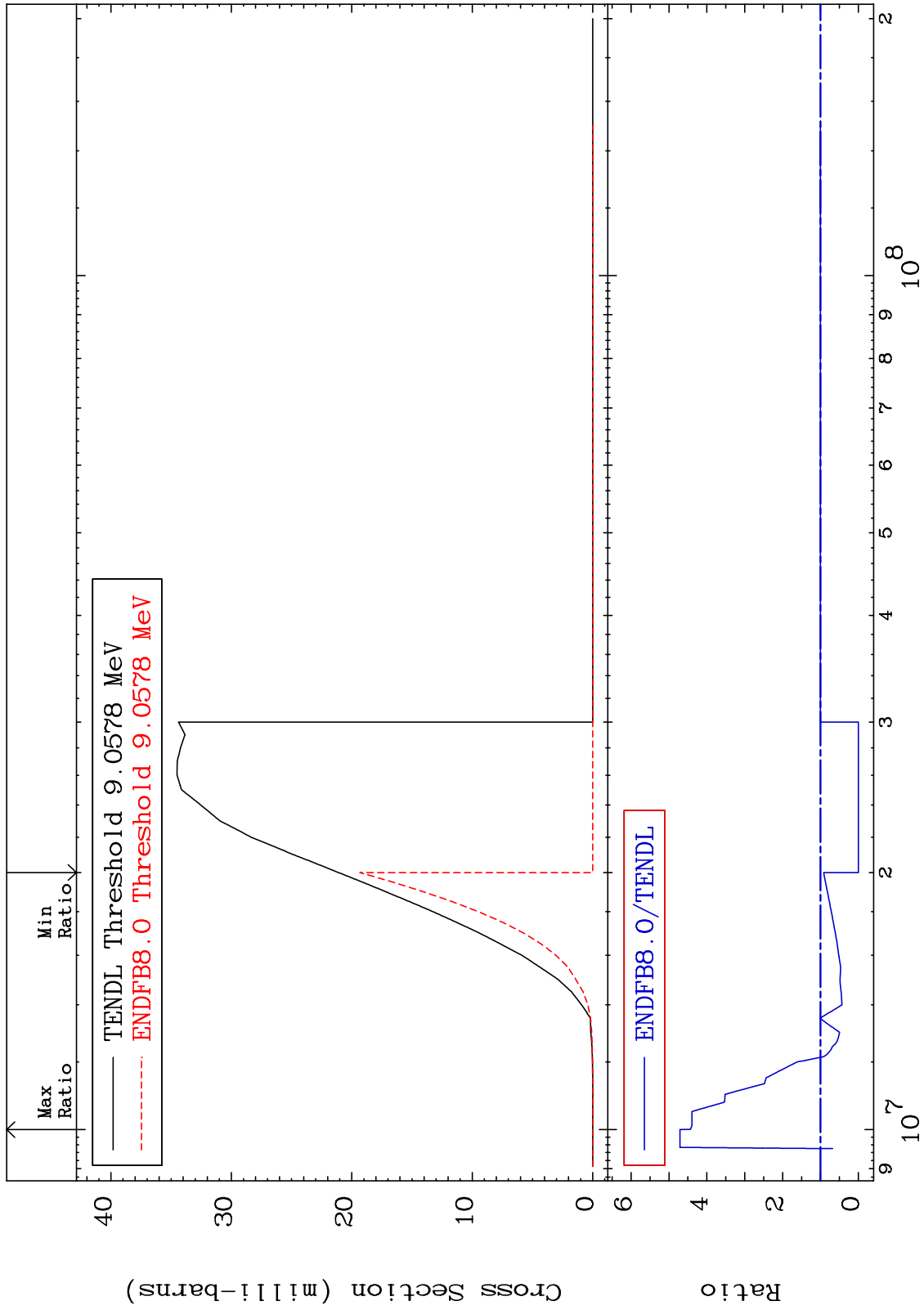
MAT 2837

(n, d)

28-Ni-62

Cross Section

-100.0 To 370.8 %



42

Incident Energy (eV)

28-Ni-62

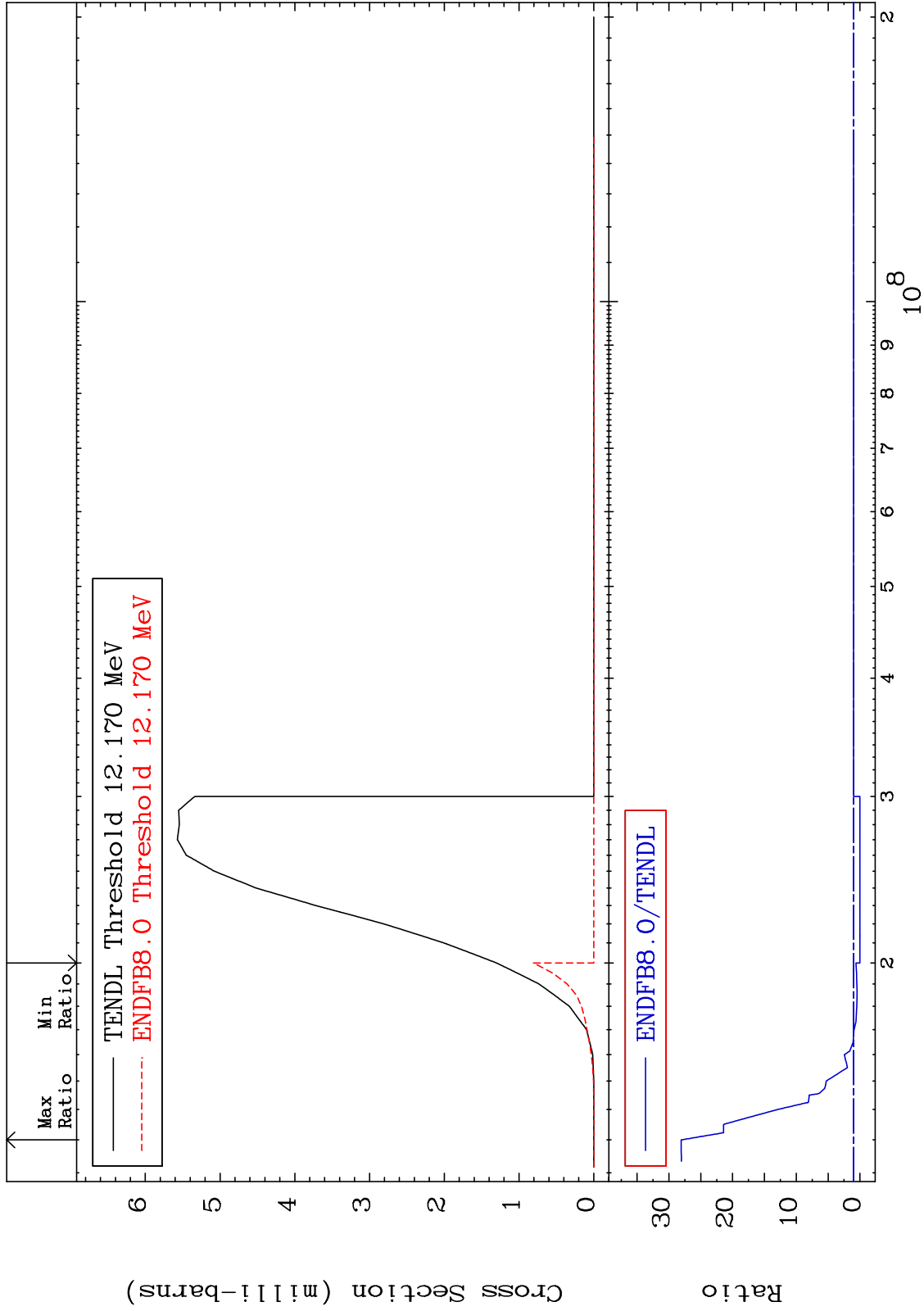
MAT 2837

(n, t)

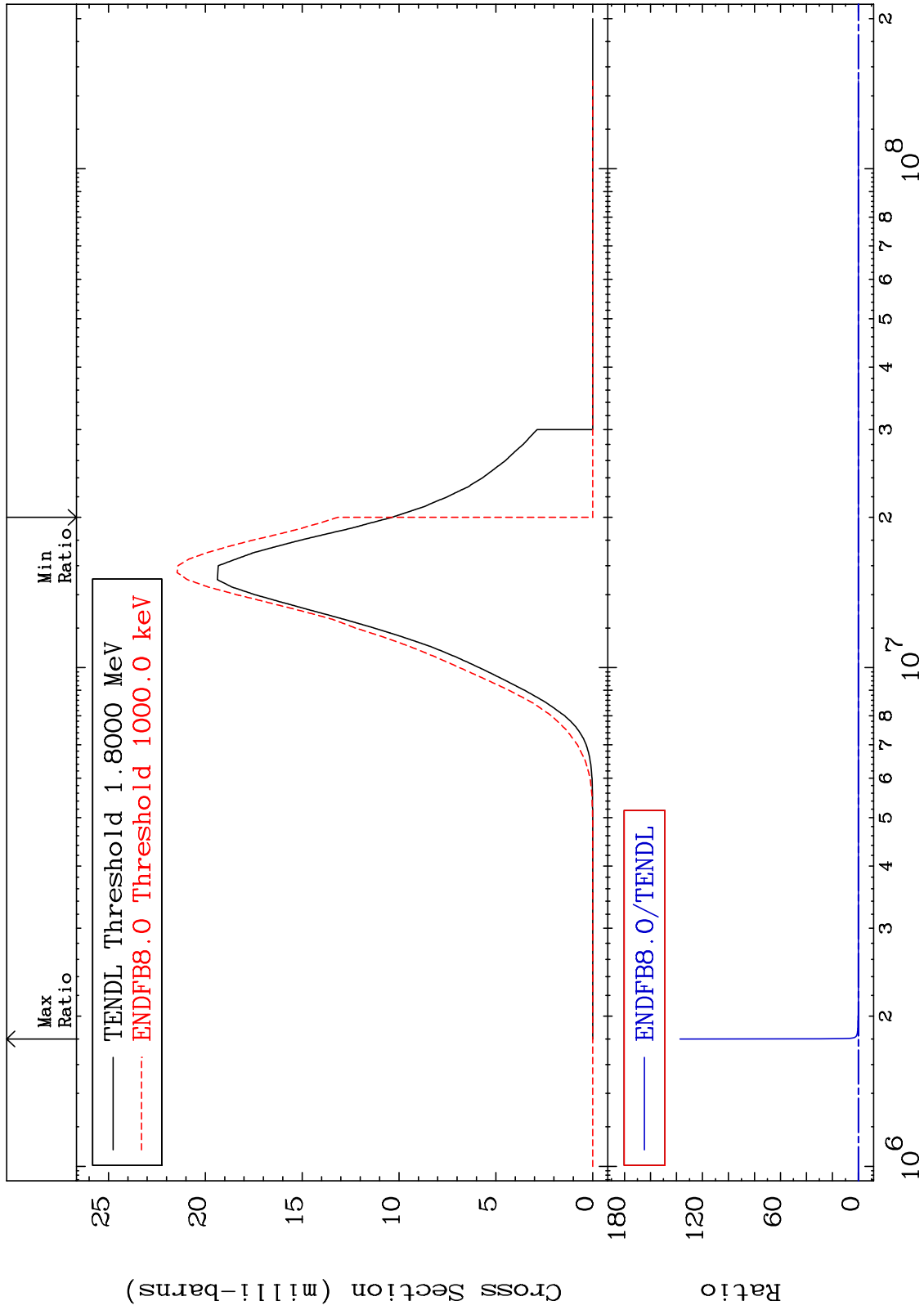
28-Ni-62

Cross Section

-100.0 To 2707. %



MAT 2837 (n, α) 28-Ni-62
 Cross Section -100.0 To 9999. %

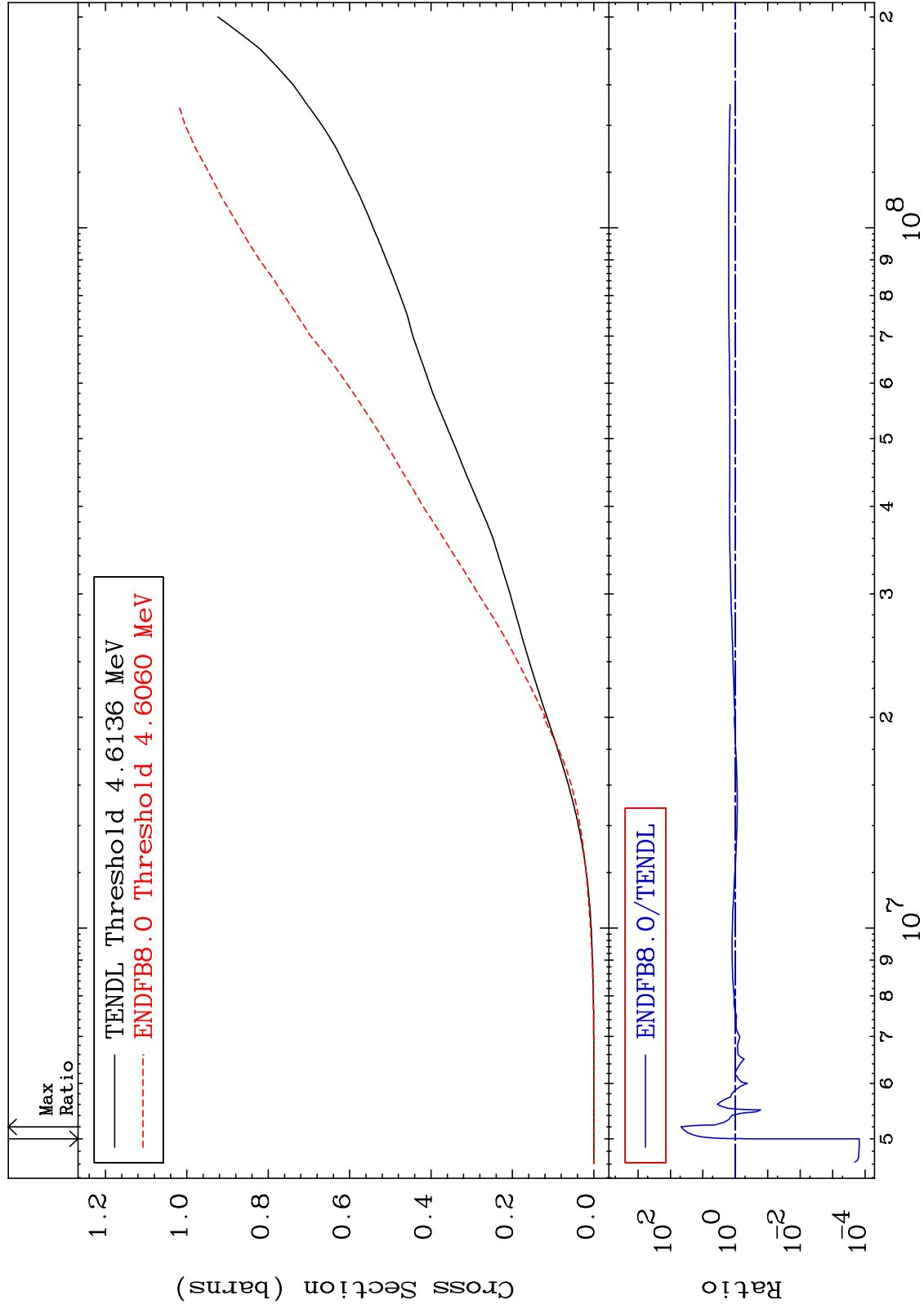


44 28-Ni-62 Incident Energy (eV)

MAT 2837

Hydrogen Production
Cross Section

28-Ni-62
-99.98 To 4603. %



45

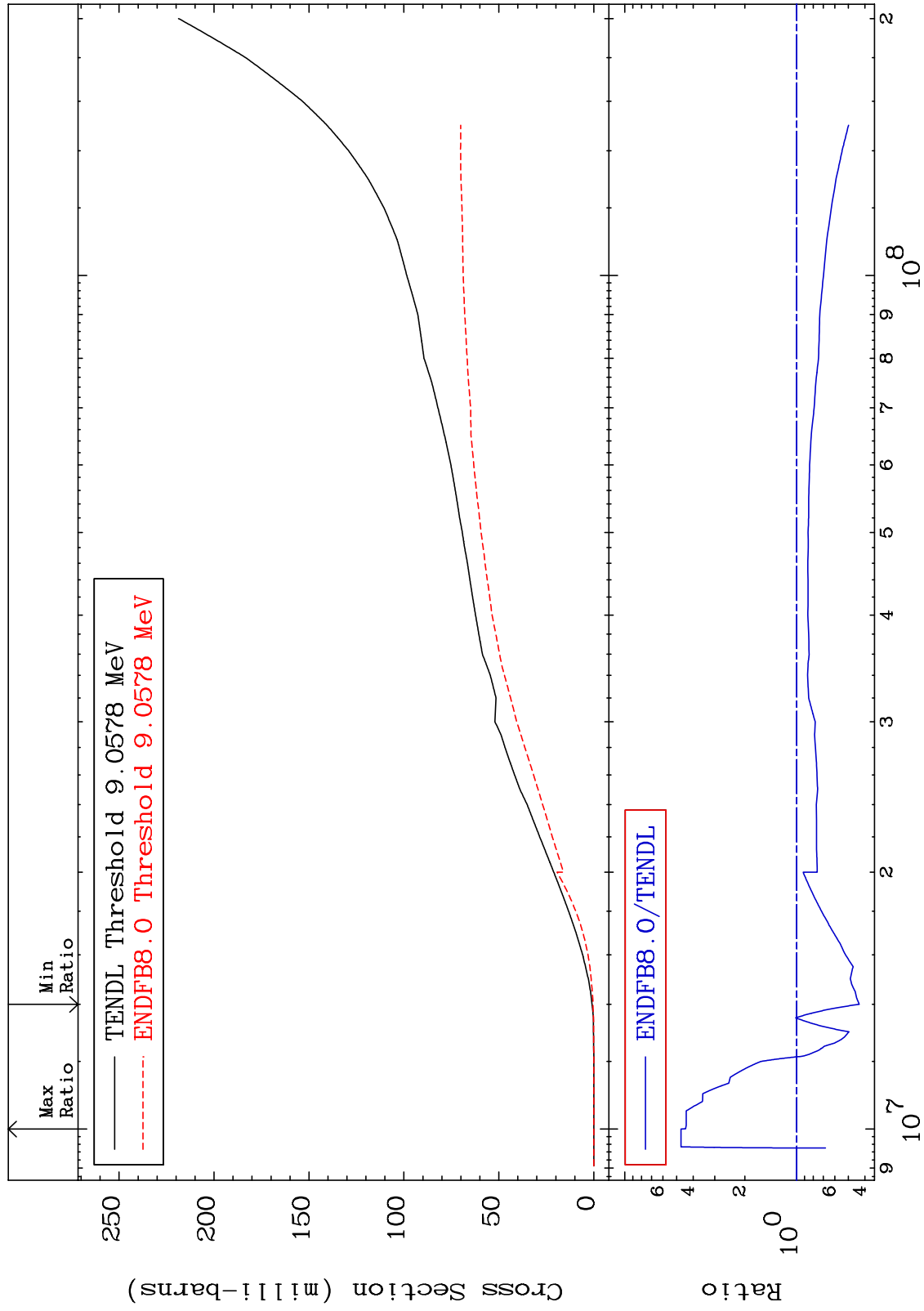
Incident Energy (eV)

28-Ni-62

MAT 2837

Deuterium Production
Cross Section

28-Ni-62
-56.83 To 370.8 %



46

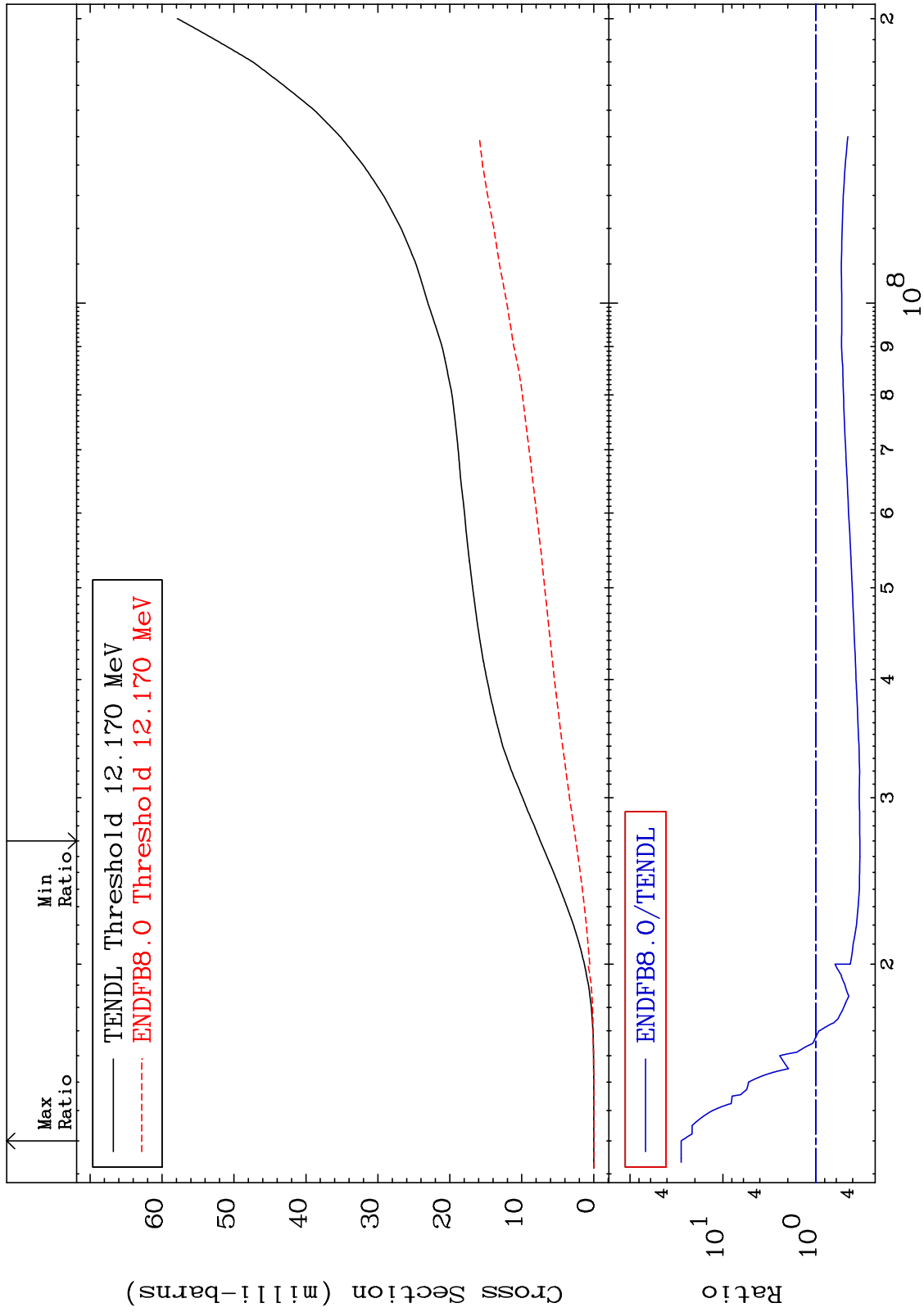
28-Ni-62

28-Ni-62

MAT 2837

Tritium Production
Cross Section

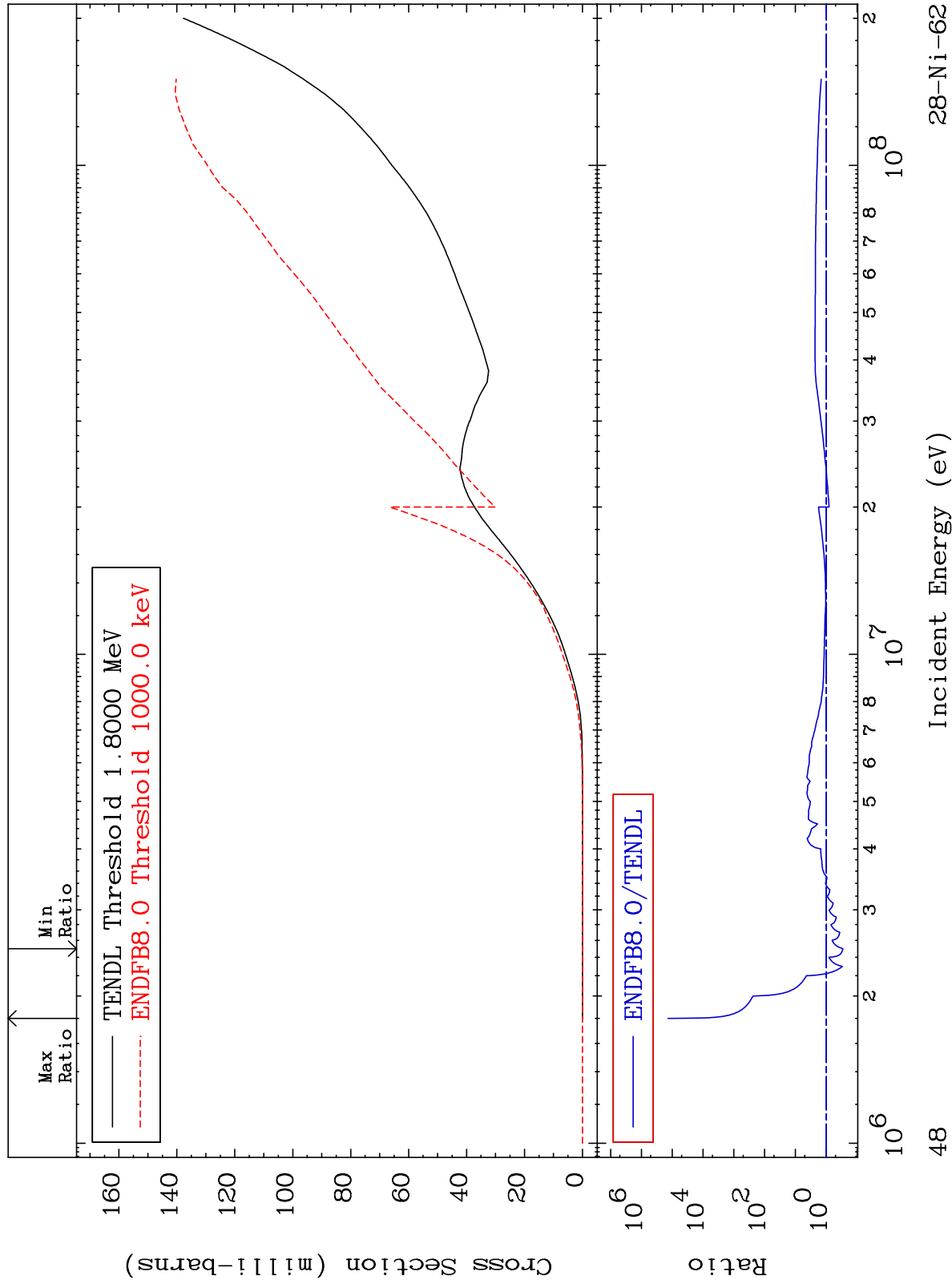
28-Ni-62
-66.56 To 2707. %



MAT 2837

He-4 Production
Cross Section

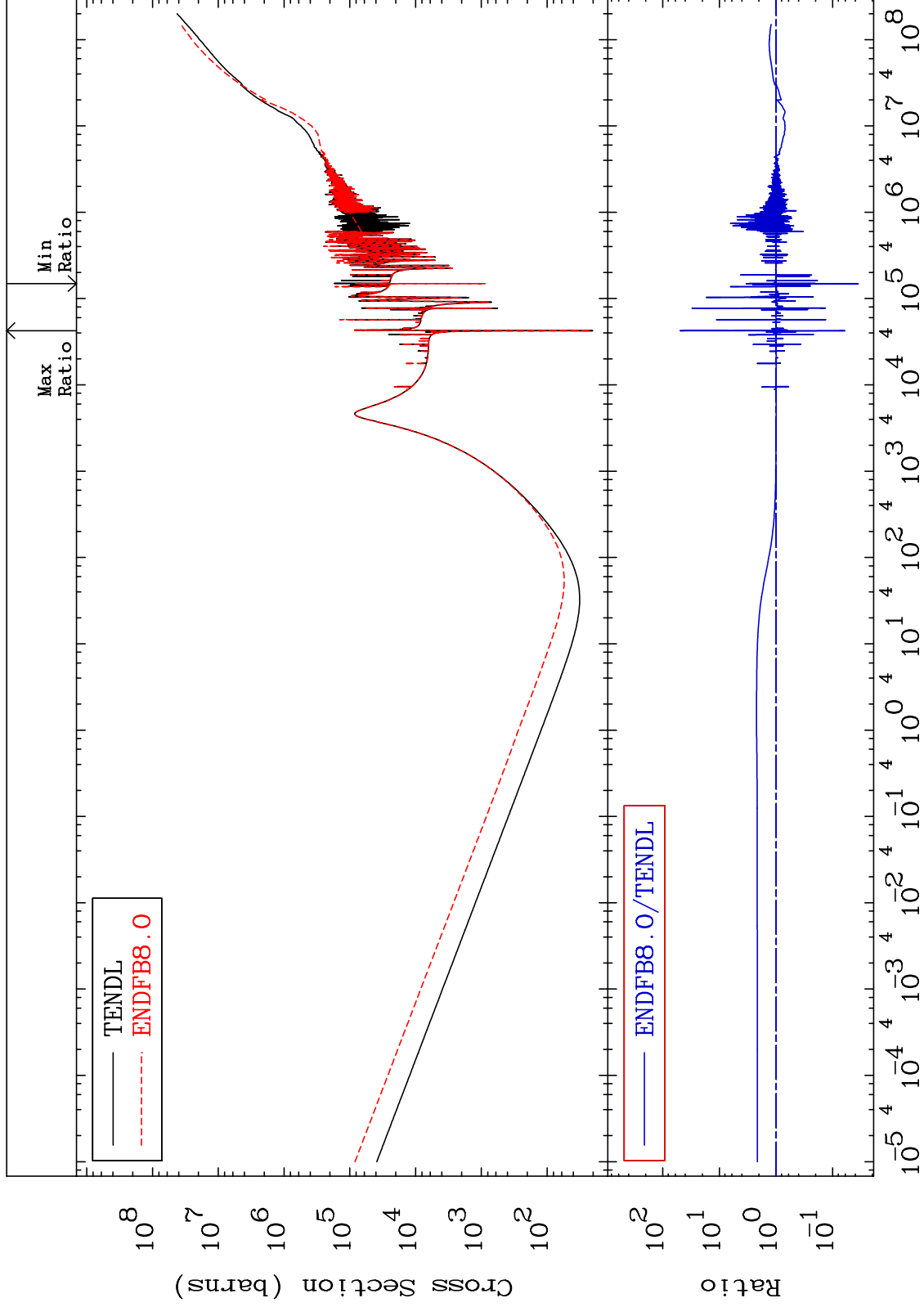
28-Ni-62
-71.11 To 9999. %



MAT 2837

Kerma total (eV-barns)
Cross Section

28-Ni-62
-96.48 To 4853. %



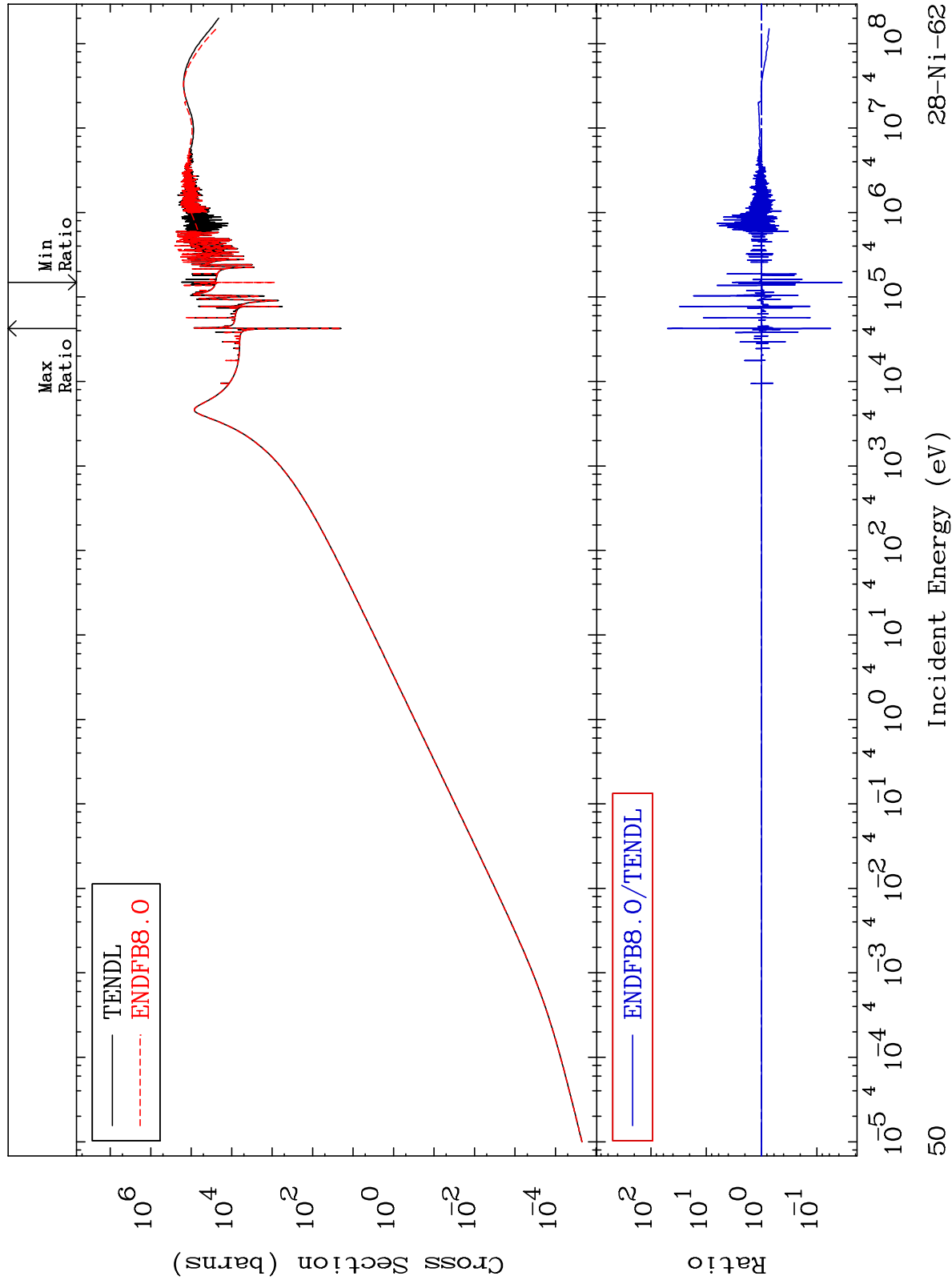
49

28-Ni-62

MAT 2837

Kerma elastic
Cross Section

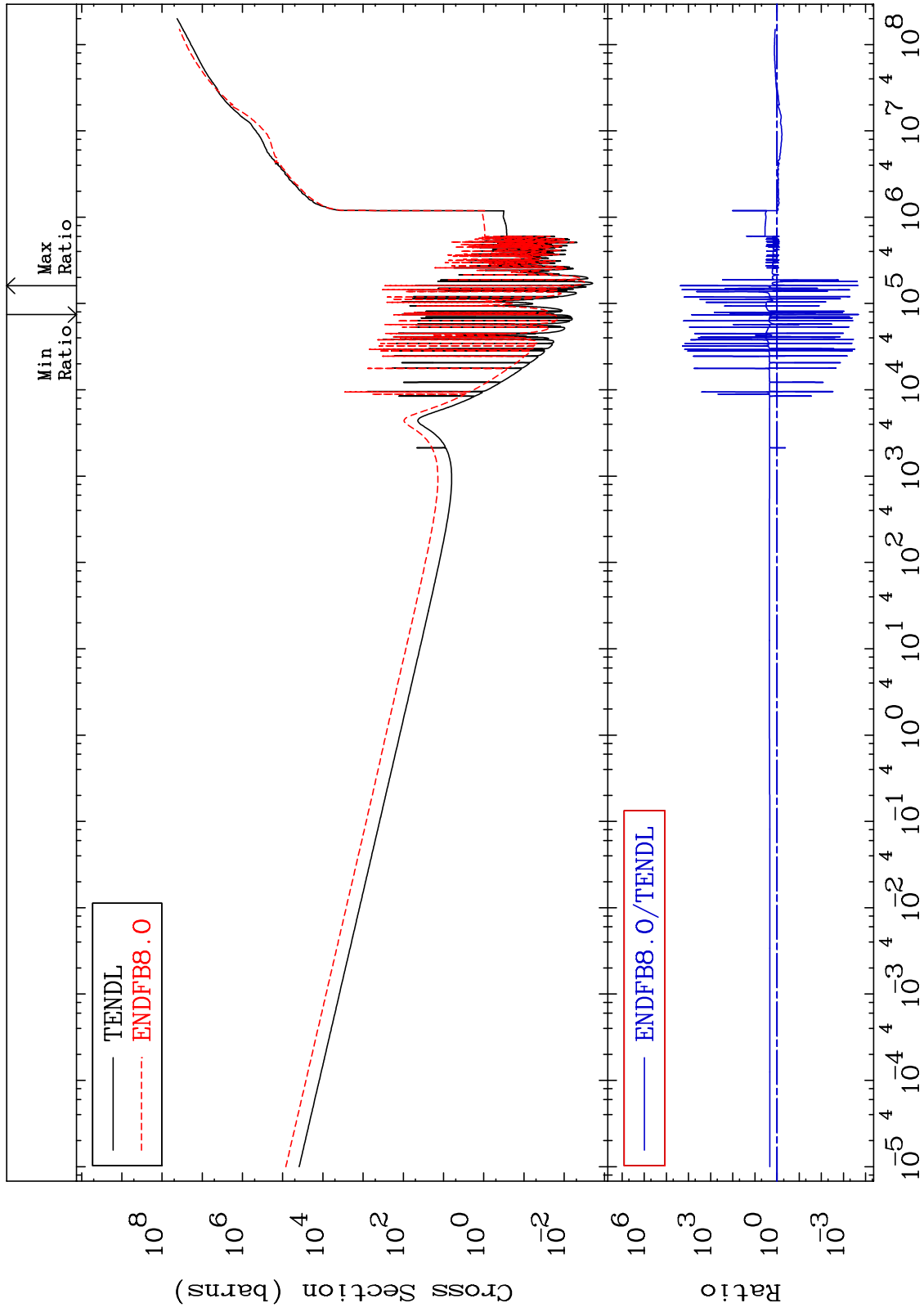
28-Ni-62
-96.50 To 4938. %



MAT 2837

Kerma non-elastic (all but mt2)
Cross Section

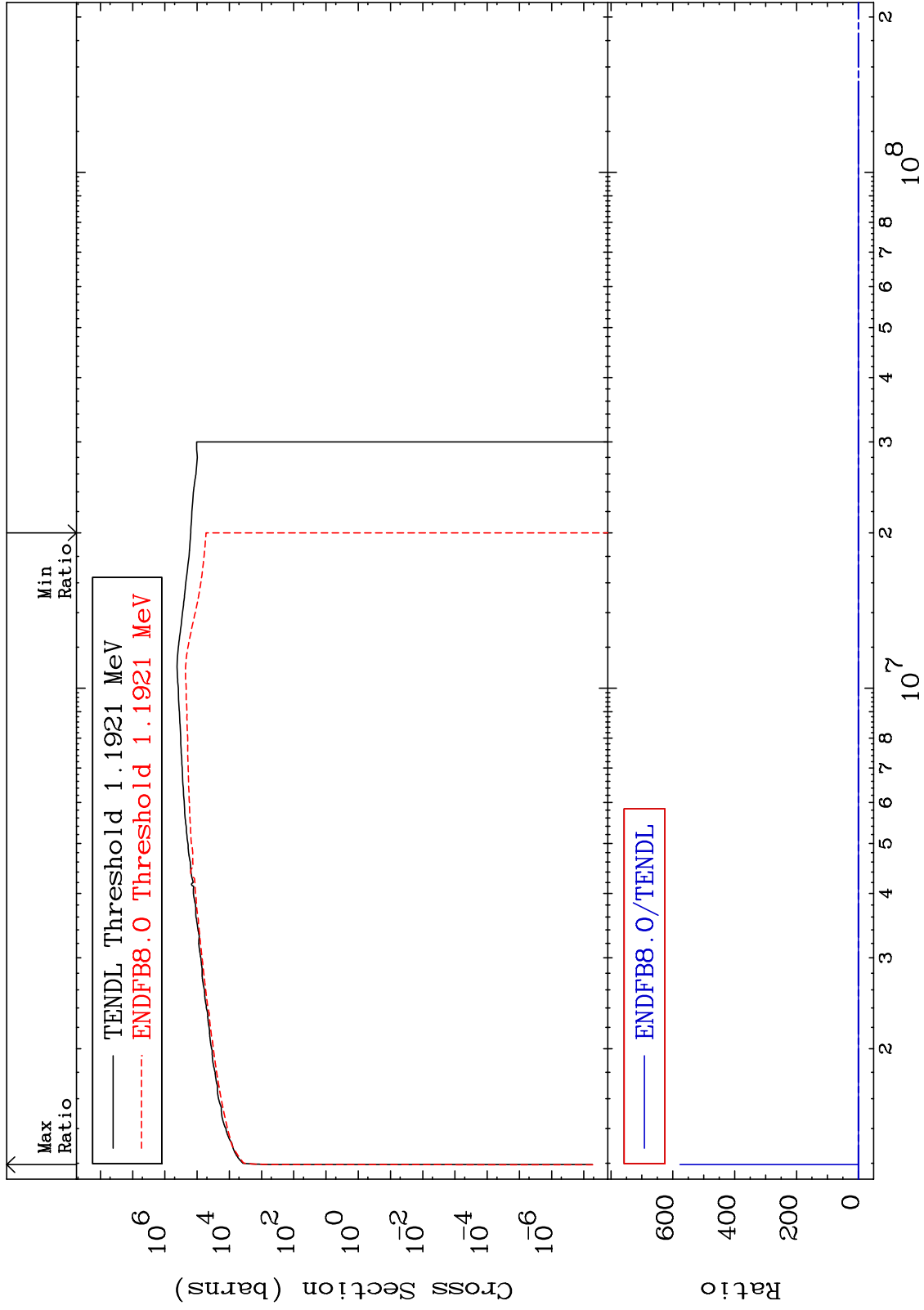
28-Ni-62
-99.98 To 9999. %



MAT 2837

Kerma inelastic (mt51-91)
Cross Section

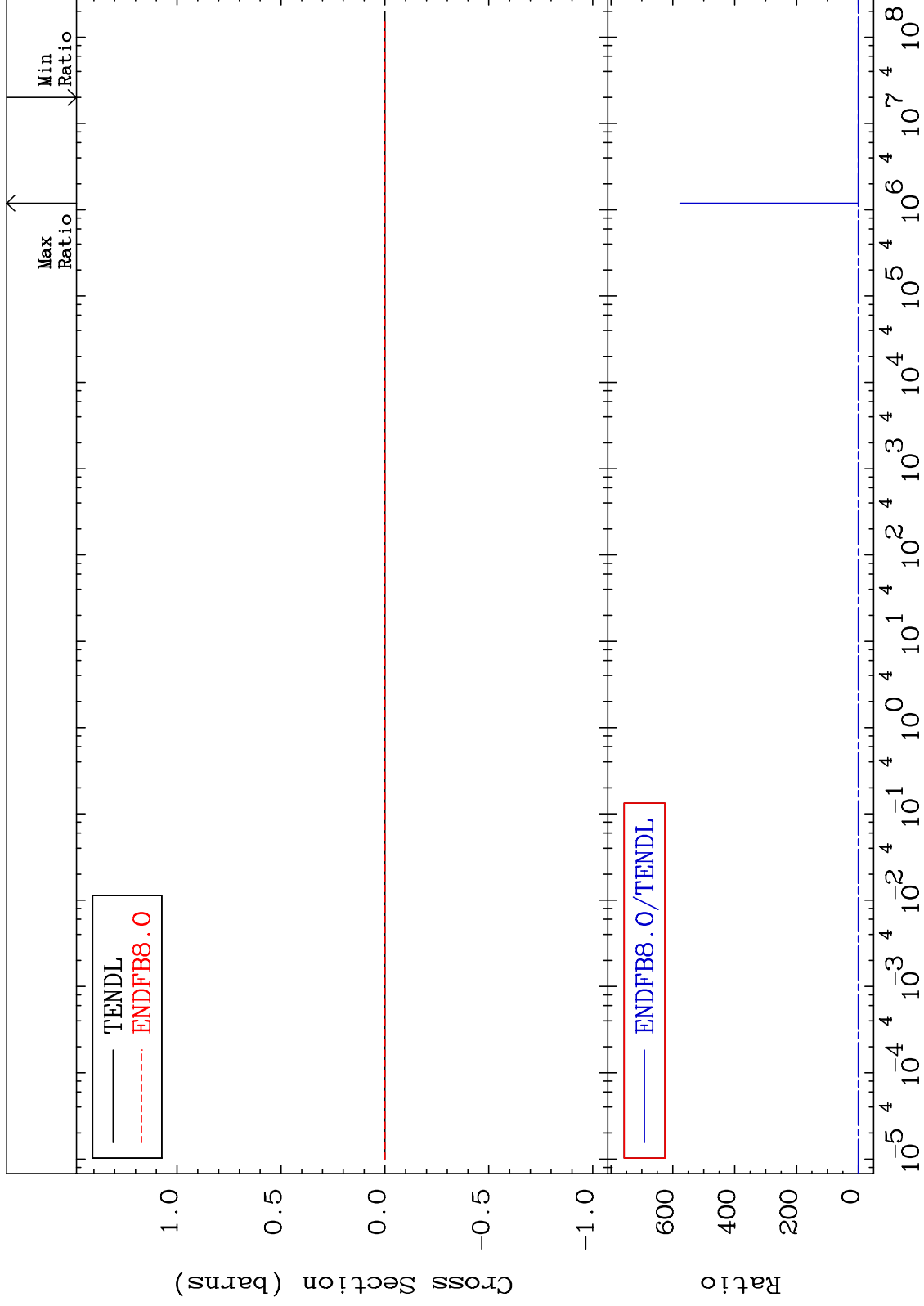
28-Ni-62
-100.0 To 9999. %



MAT 2837

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

28-Ni-62
-100.0 To 9999. %



53

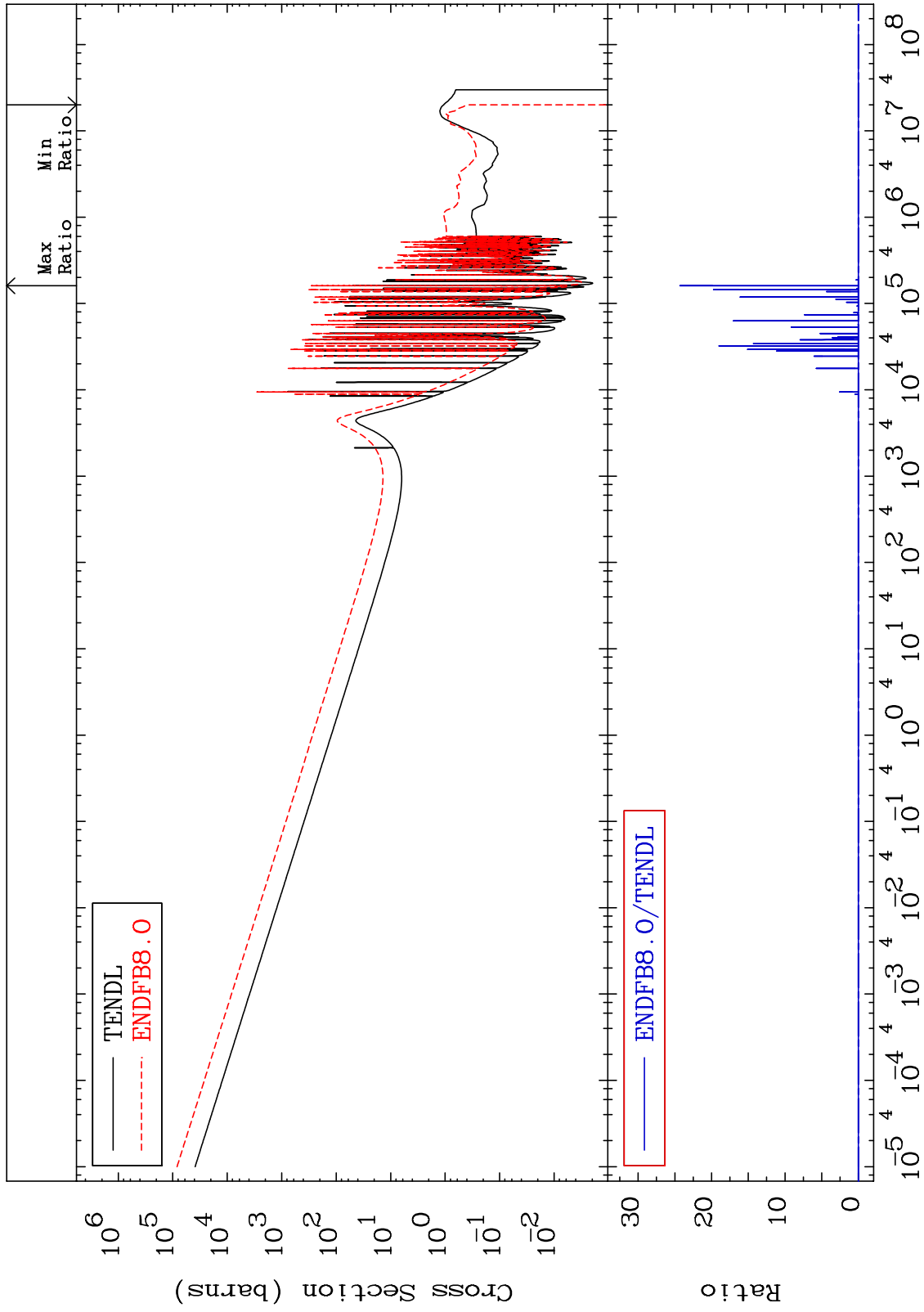
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma capture (mt102)
Cross Section

28-Ni-62
-100.0 To 9999. %



54

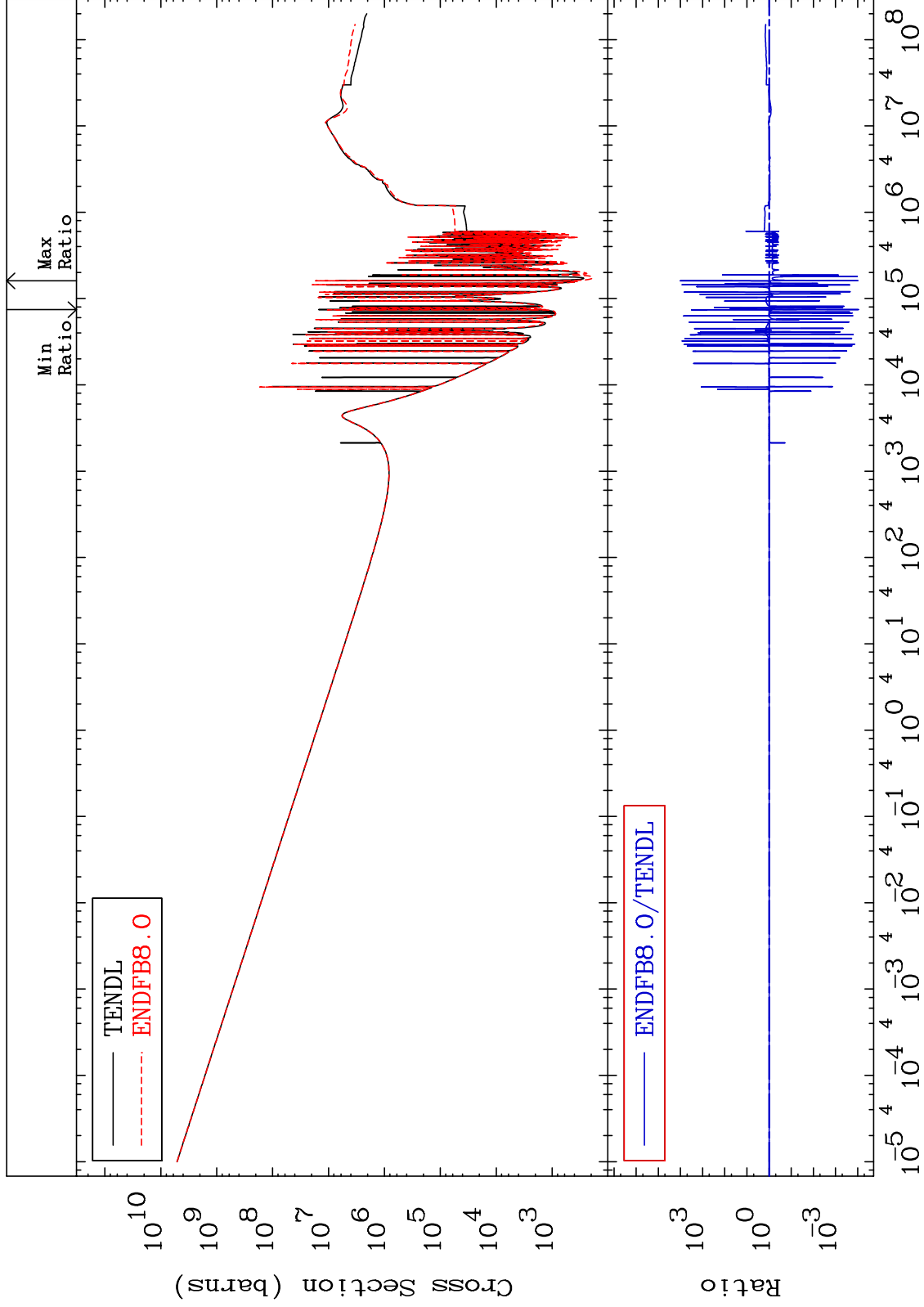
Incident Energy (eV)

28-Ni-62

MAT 2837

Total photon (eV-barns)
Cross Section

28-Ni-62
-99.99 To 9999. %



55

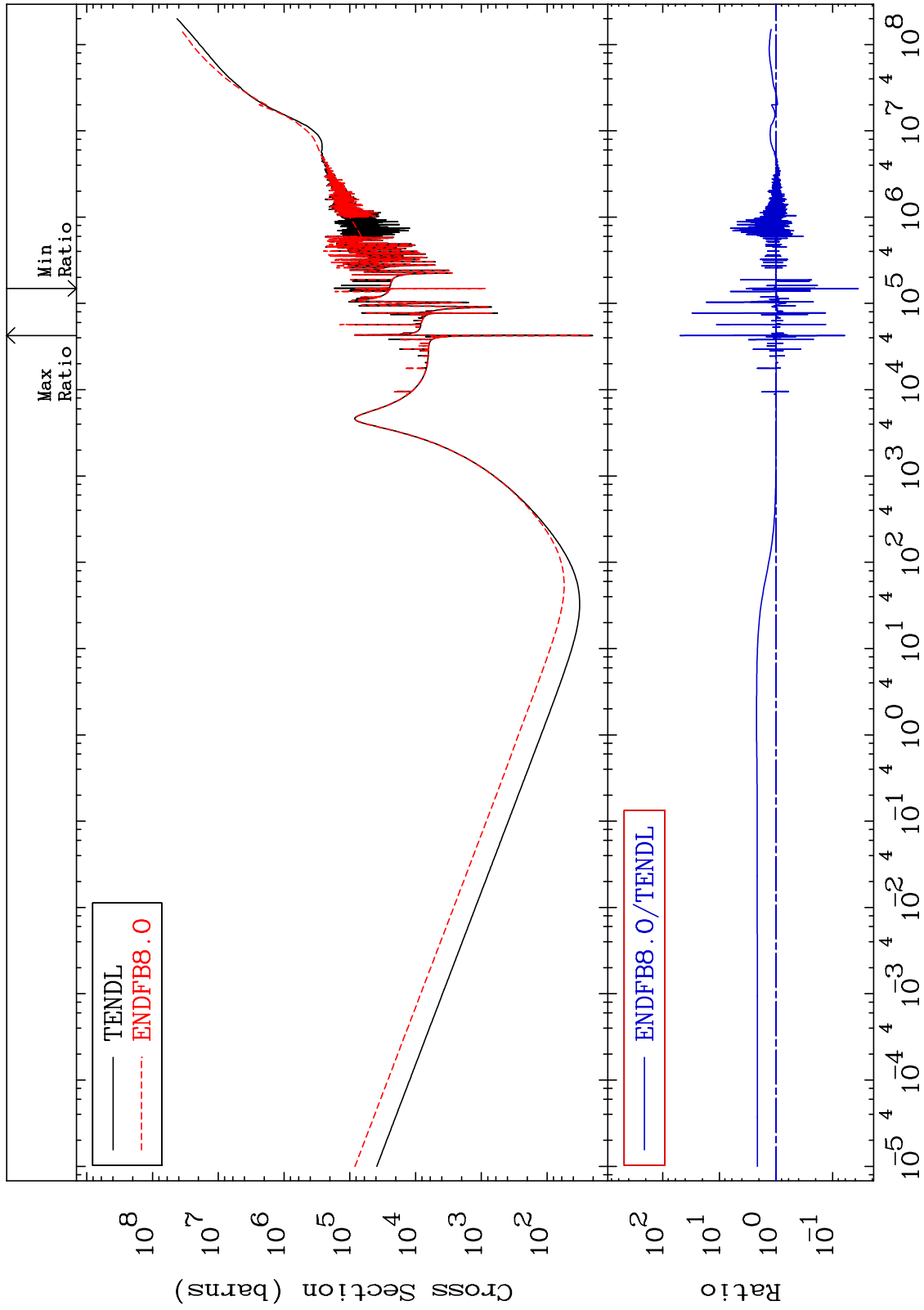
Incident Energy (eV)

28-Ni-62

MAT 2837

Total kinematic kerma (high limit)
Cross Section

28-Ni-62
-96.48 To 4853. %



56

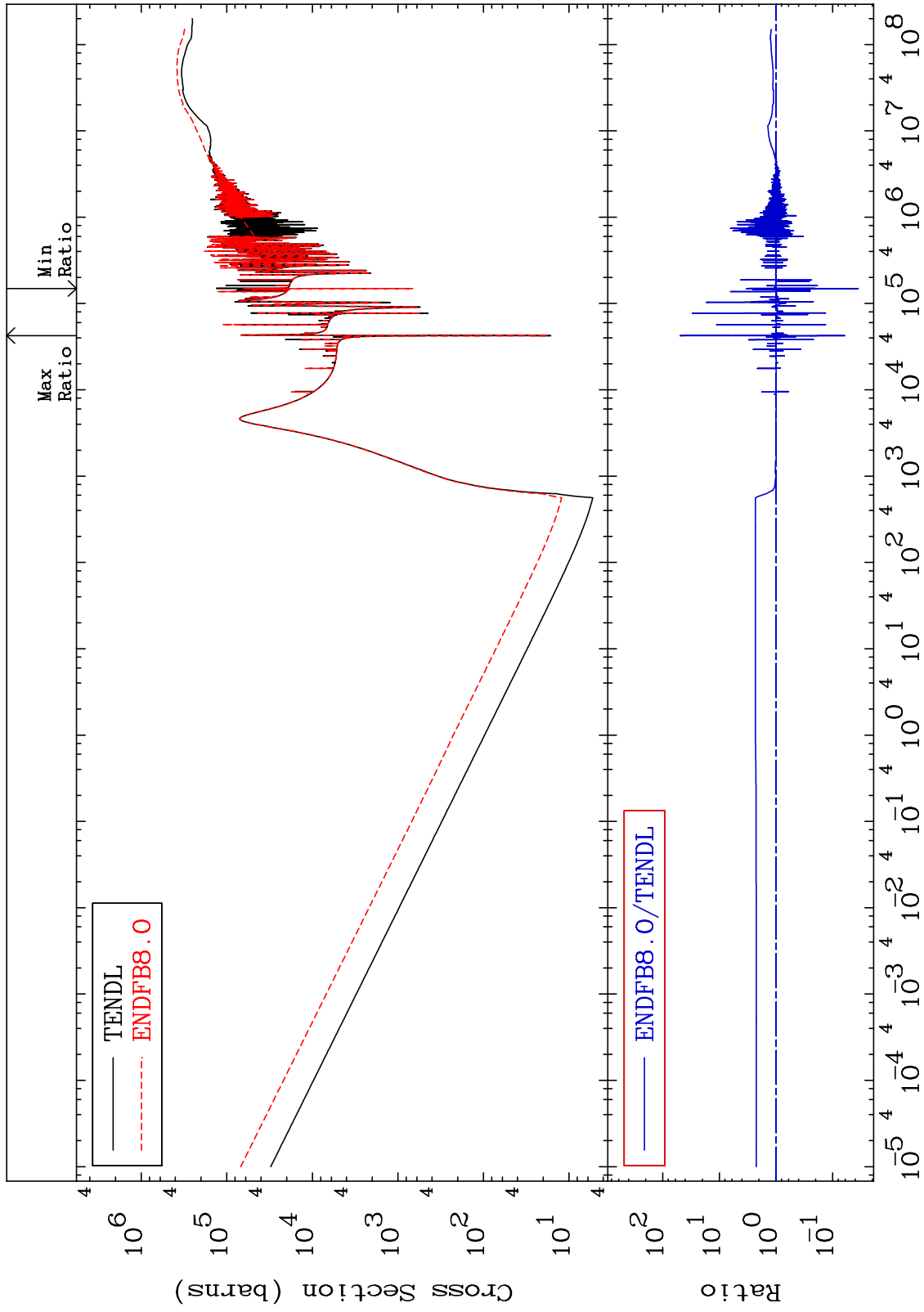
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa total (eV-barns)
Cross Section

28-Ni-62
-96.48 To 4855. %



57

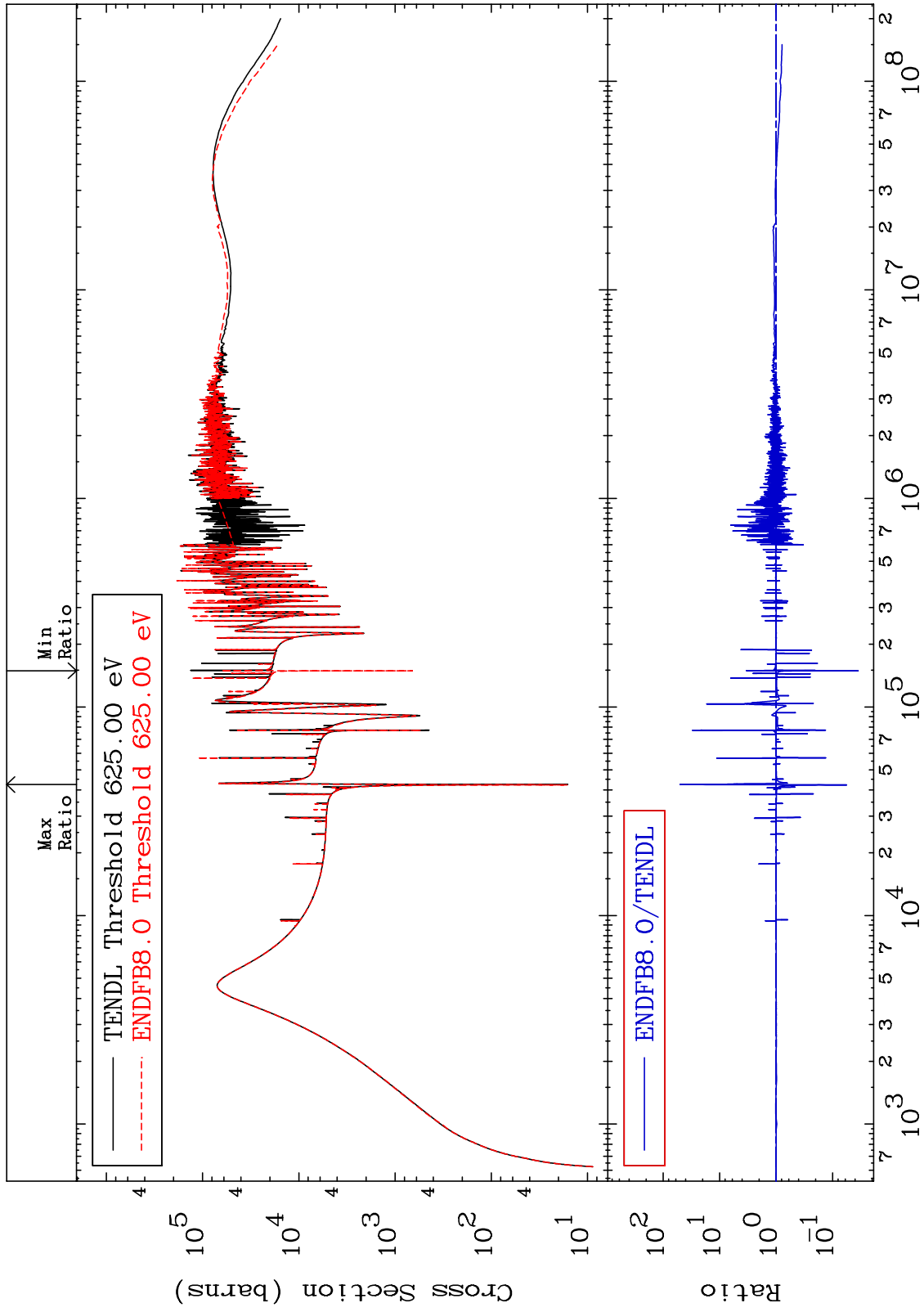
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa elastic (mt2)
Cross Section

28-Ni-62
-96.50 To 4937. %



58

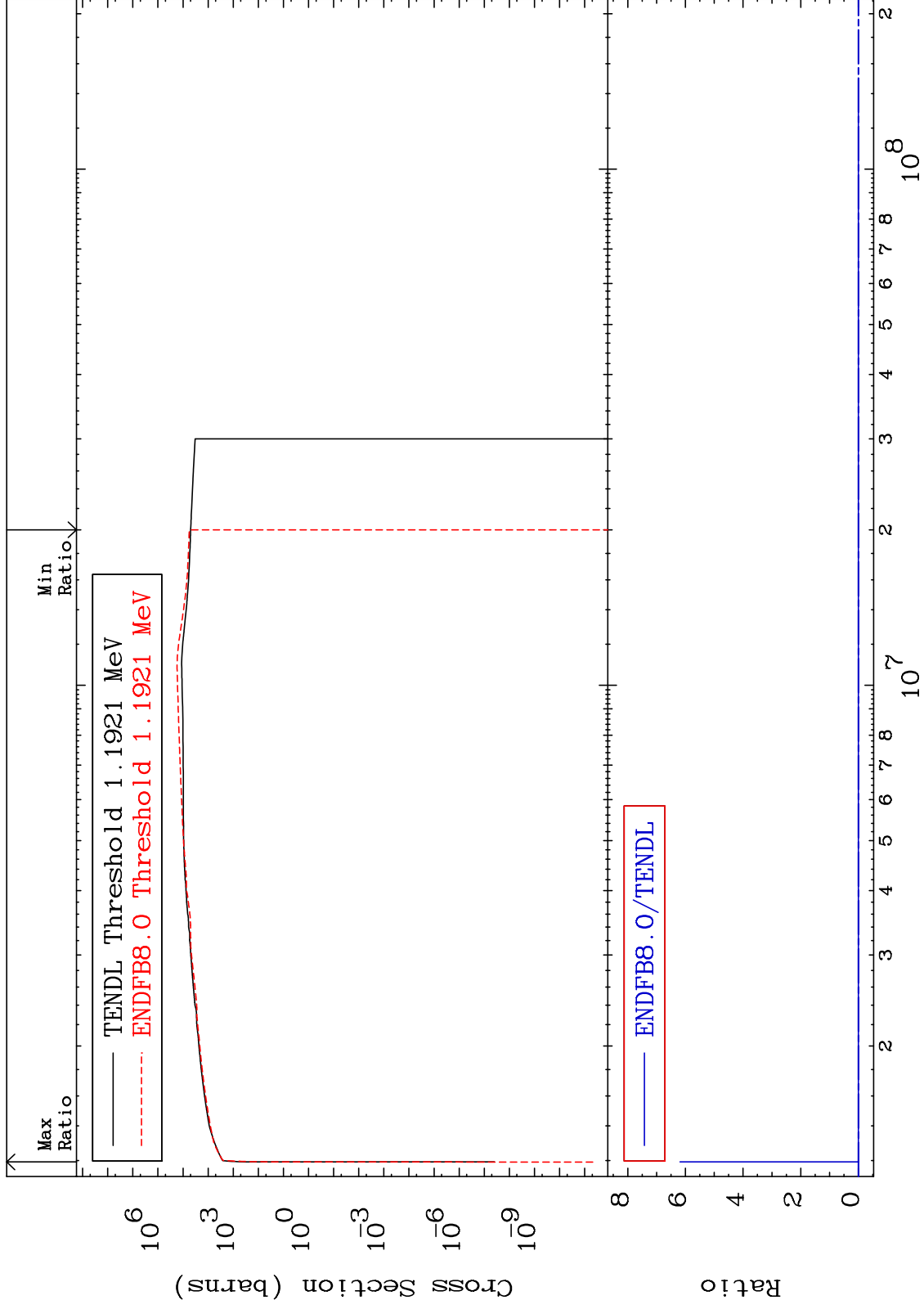
Incident Energy (eV)

28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)
Cross Section

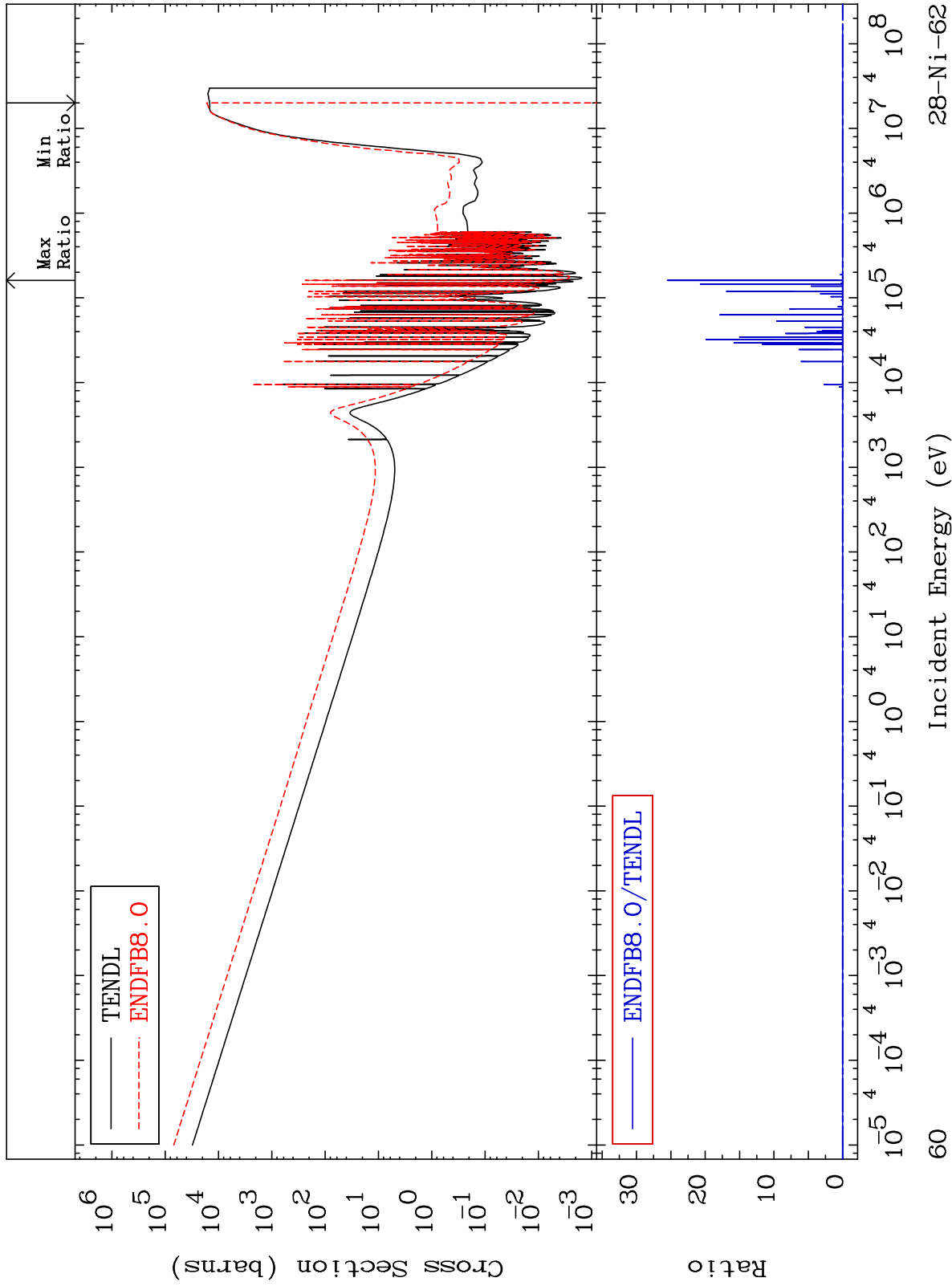
28-Ni-62
-100.0 To 9999. %



MAT 2837

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-62
-100.0 To 9999. %



60

Incident Energy (eV)

28-Ni-62