

Program Complot
(Version 2021-1)

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

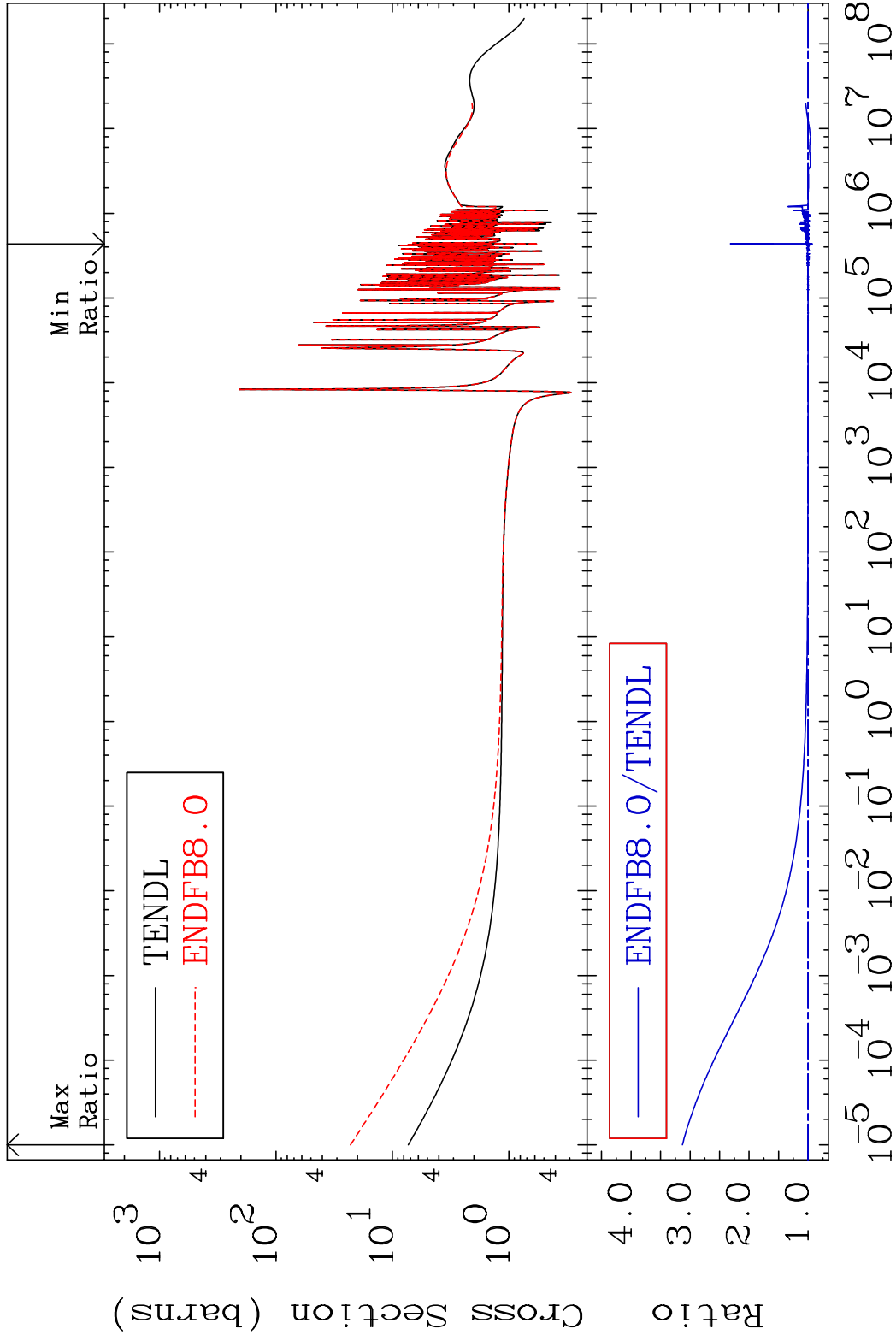
MAT 1731

Total

17-C1-37

Cross Section

-7.570 To 213.0 %



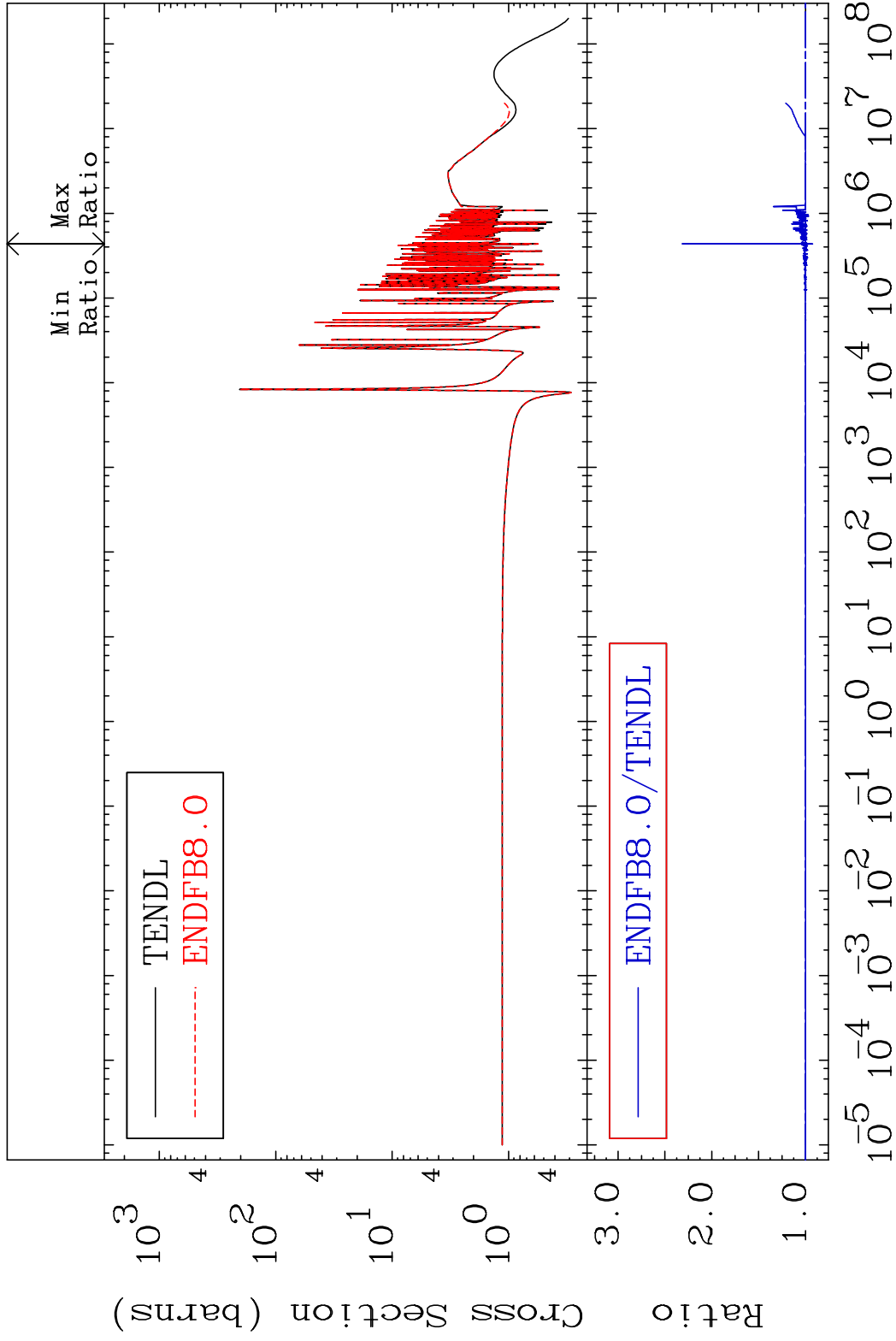
MAT 1731

Elastic

17-Cl-37

Cross Section

-7.596 To 131.4 %



2

Incident Energy (eV)

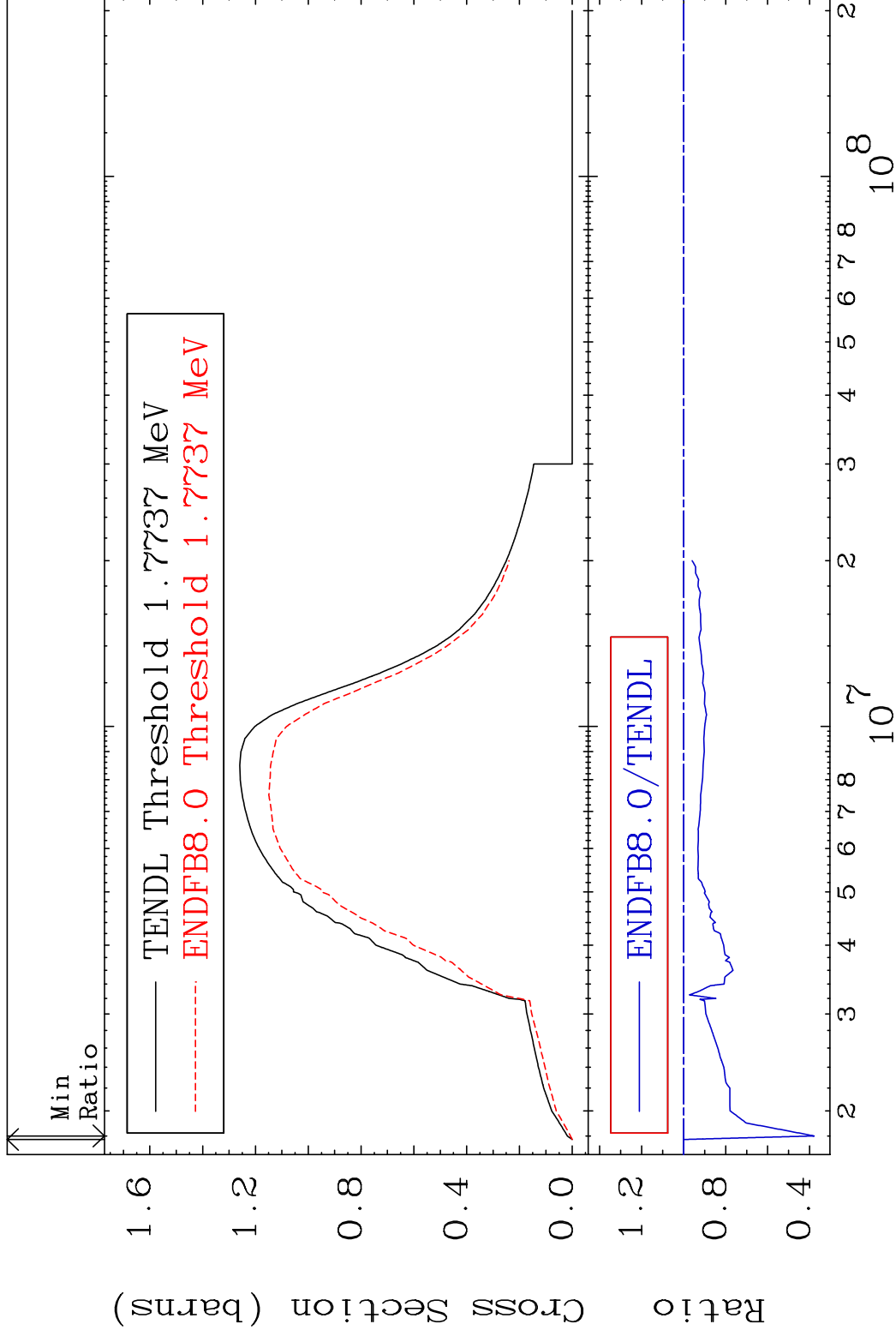
17-Cl-37

MAT 1731

Inelastic

17-Cl-37

Cross Section -62.13 To 0.000 %



3

Incident Energy (eV)

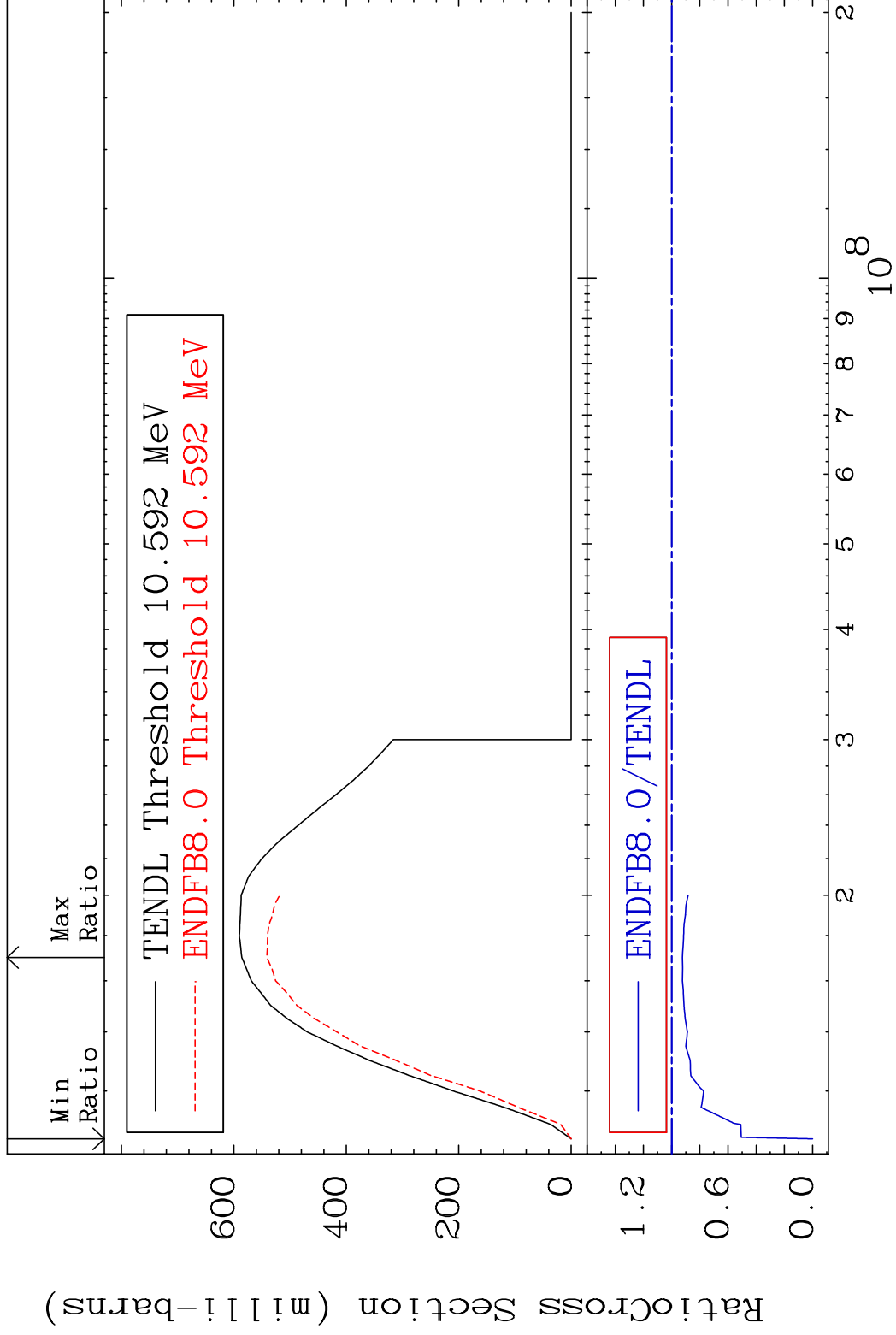
17-Cl-37

MAT 1731

(n,2n)

17-Cl-37

Cross Section -100.0 To -7.608%



4

Incident Energy (eV)

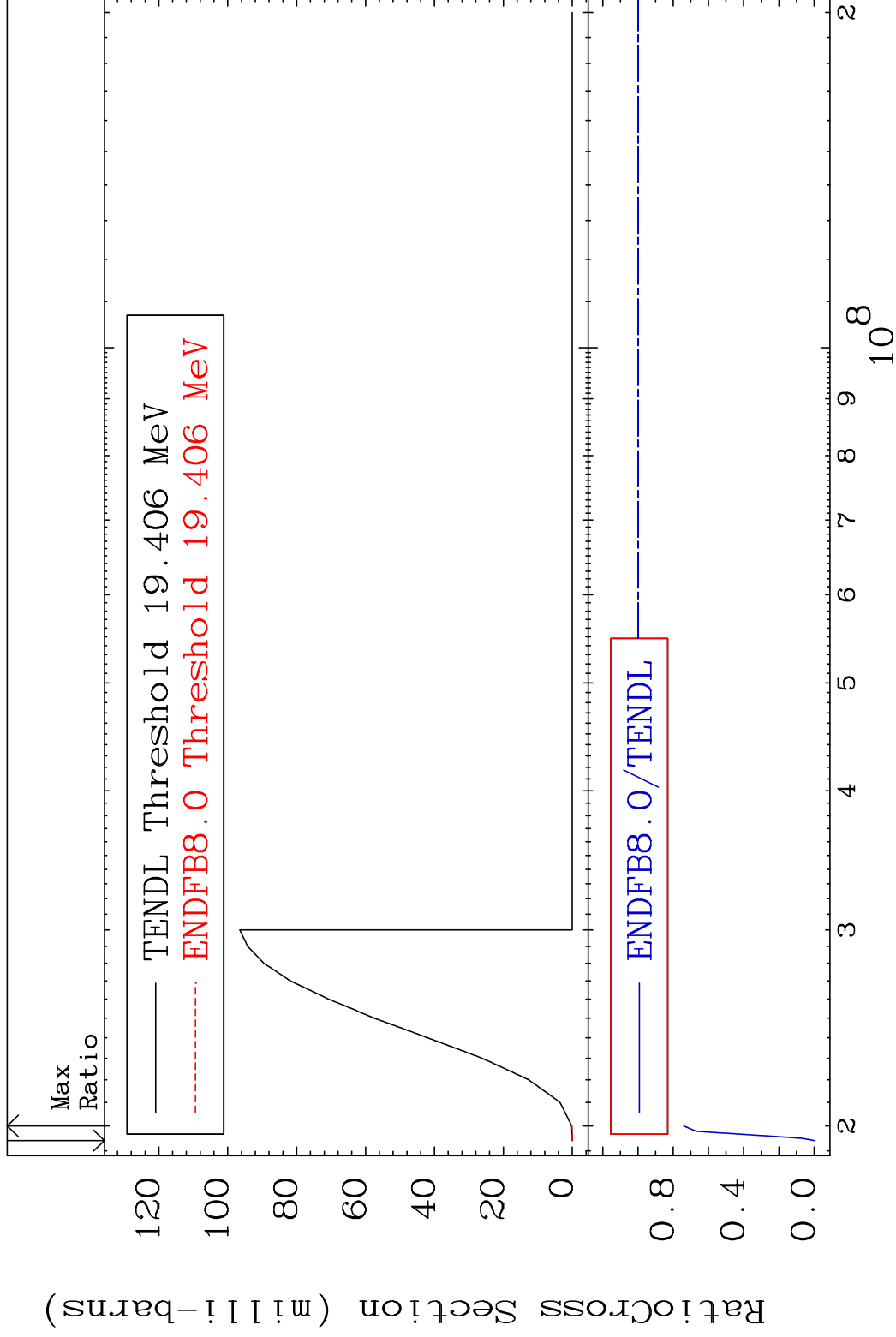
17-Cl-37

MAT 1731

(n,3n)

17-Cl-37

Cross Section -100.0 To -25.93%



5

Incident Energy (eV)

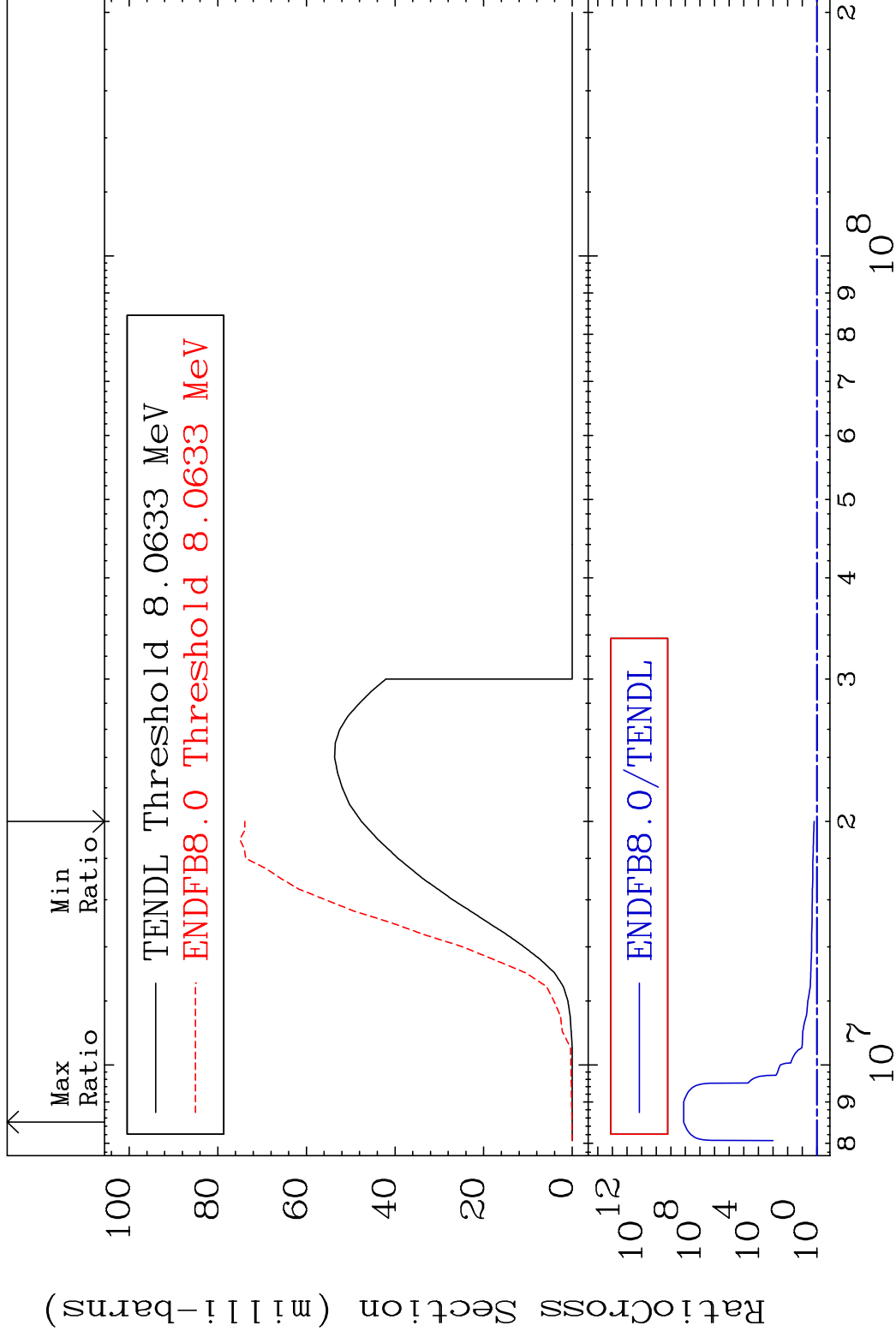
17-Cl-37

MAT 1731

(n, n') α

17-Cl-37

Cross Section 55.33 To 9999. %



6

Incident Energy (eV)

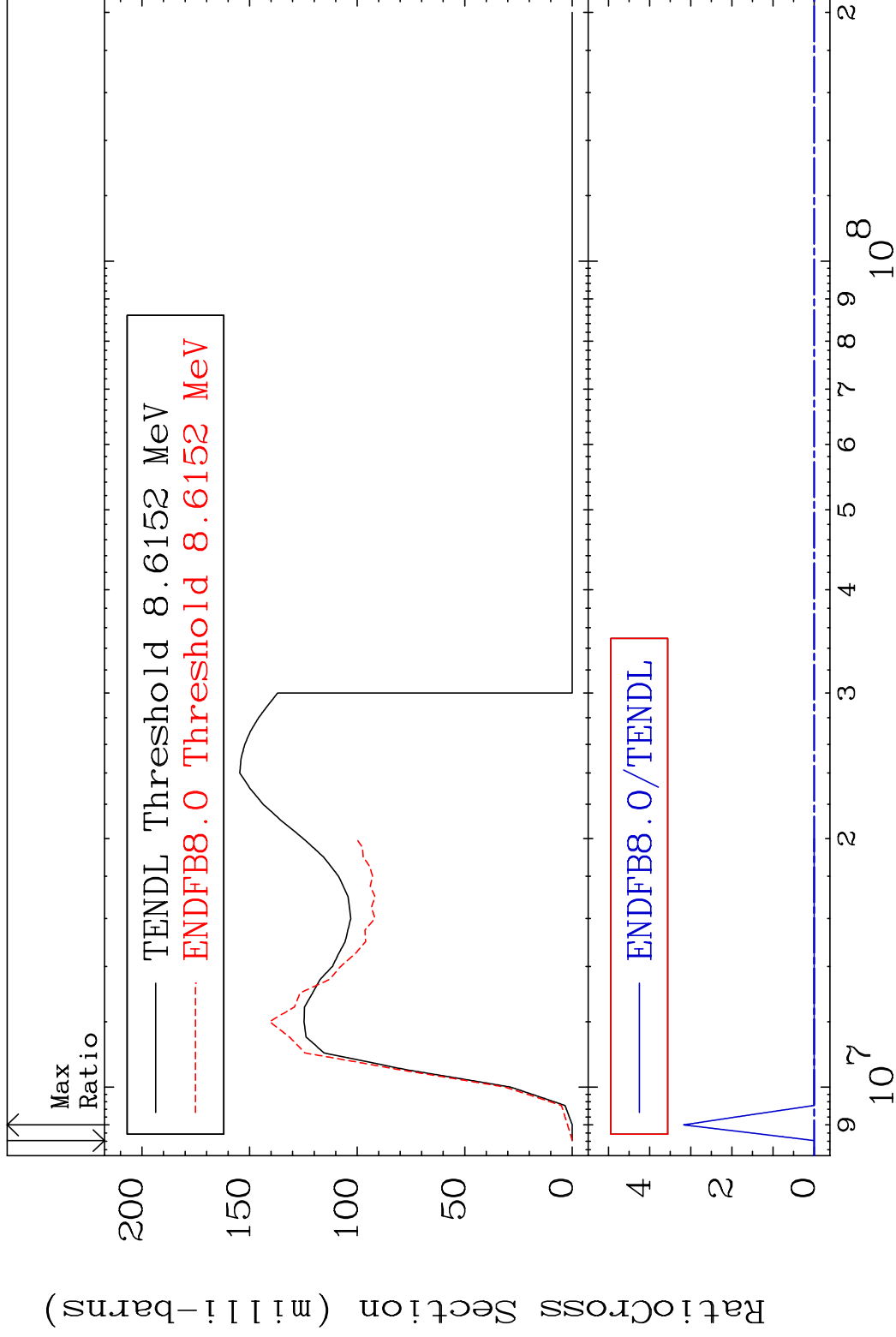
17-Cl-37

MAT 1731

(n, n') p

17-Cl-37

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

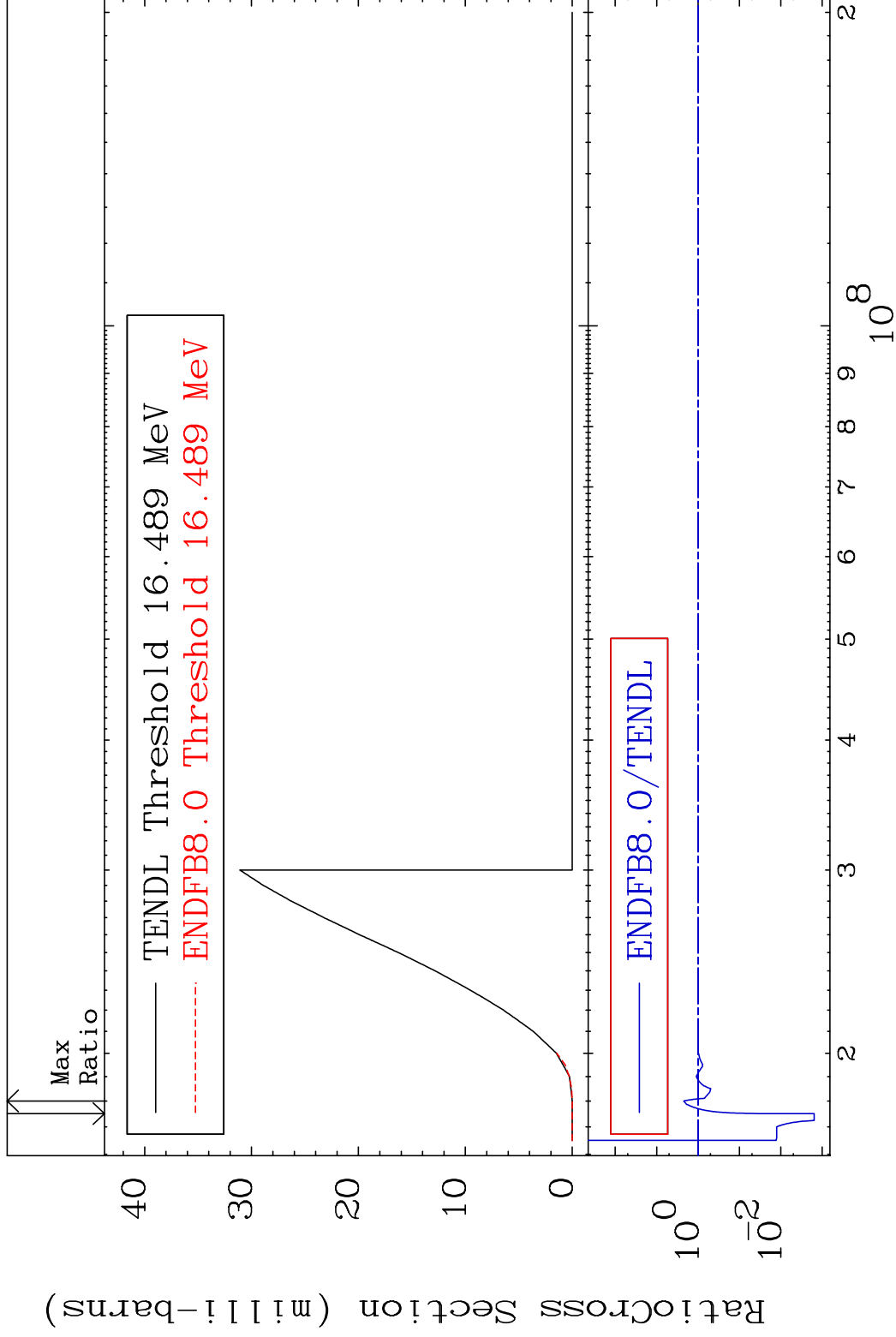
17-Cl-37

MAT 1731

(n, n') d

17-Cl-37

Cross Section -99.84 To 122.4 %

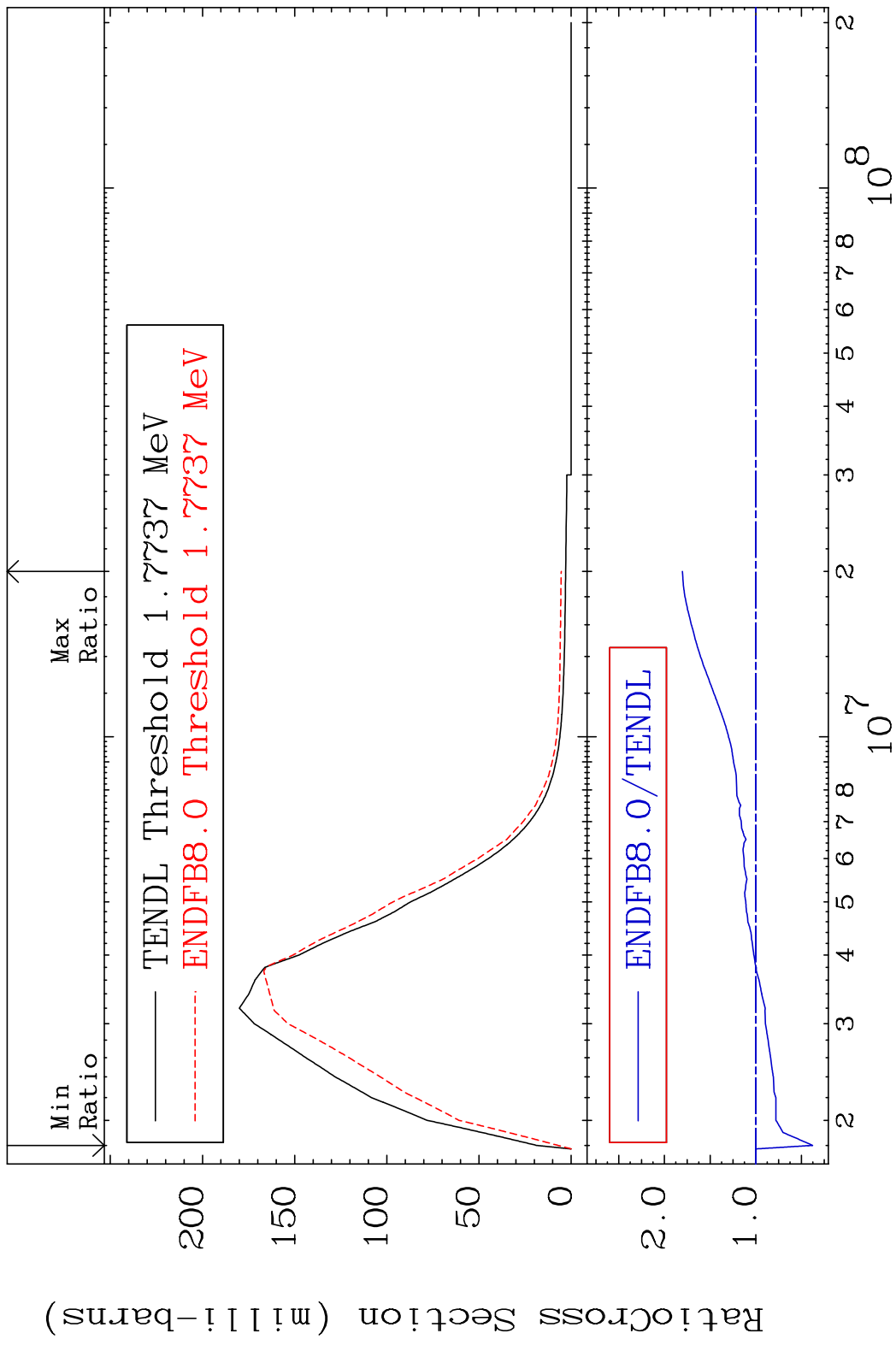


8

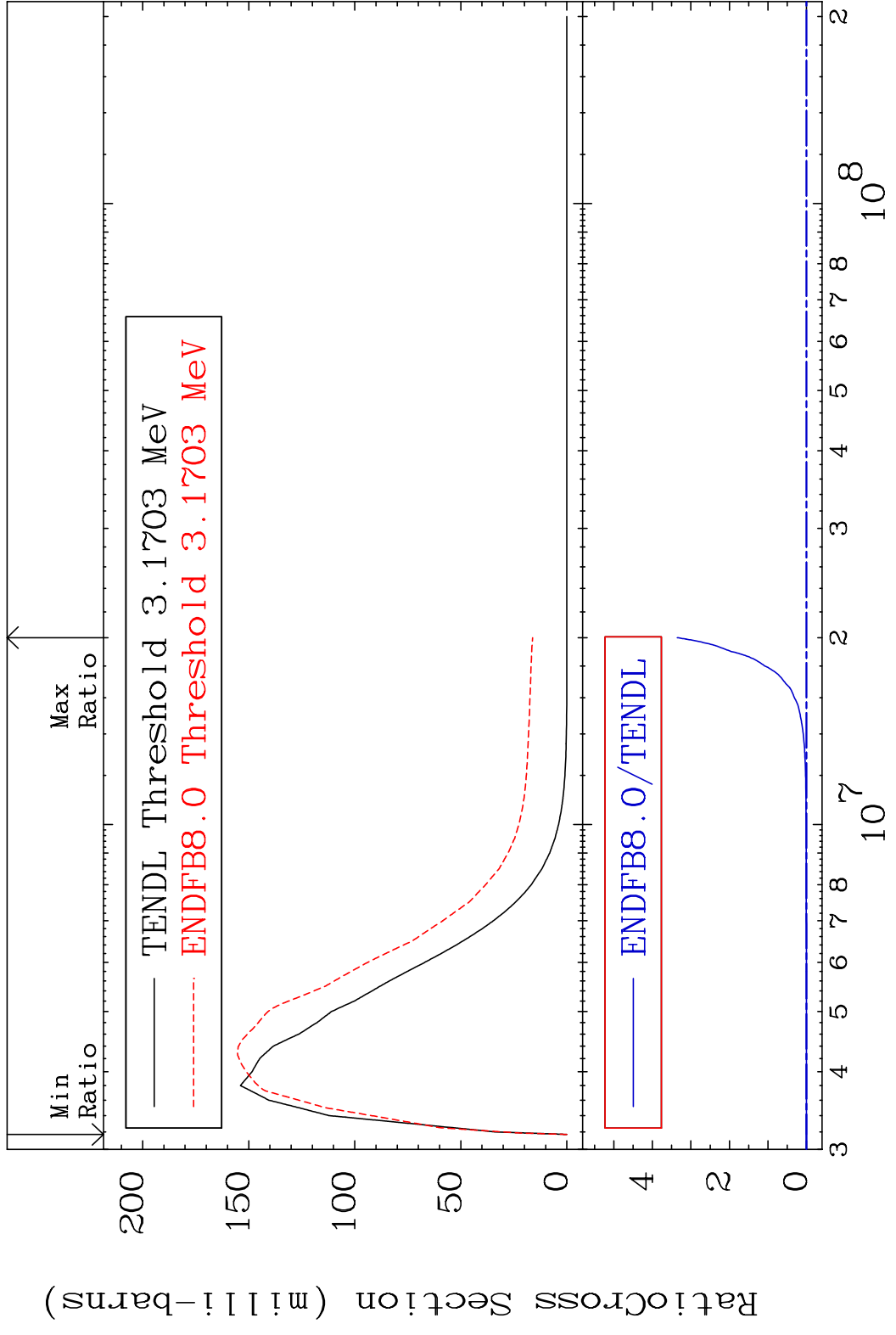
Incident Energy (eV)

17-Cl-37

MAT 1731 MT= 51 (n, n') Level 17-Cl-37
 Cross Section -62.13 To 80.39 %

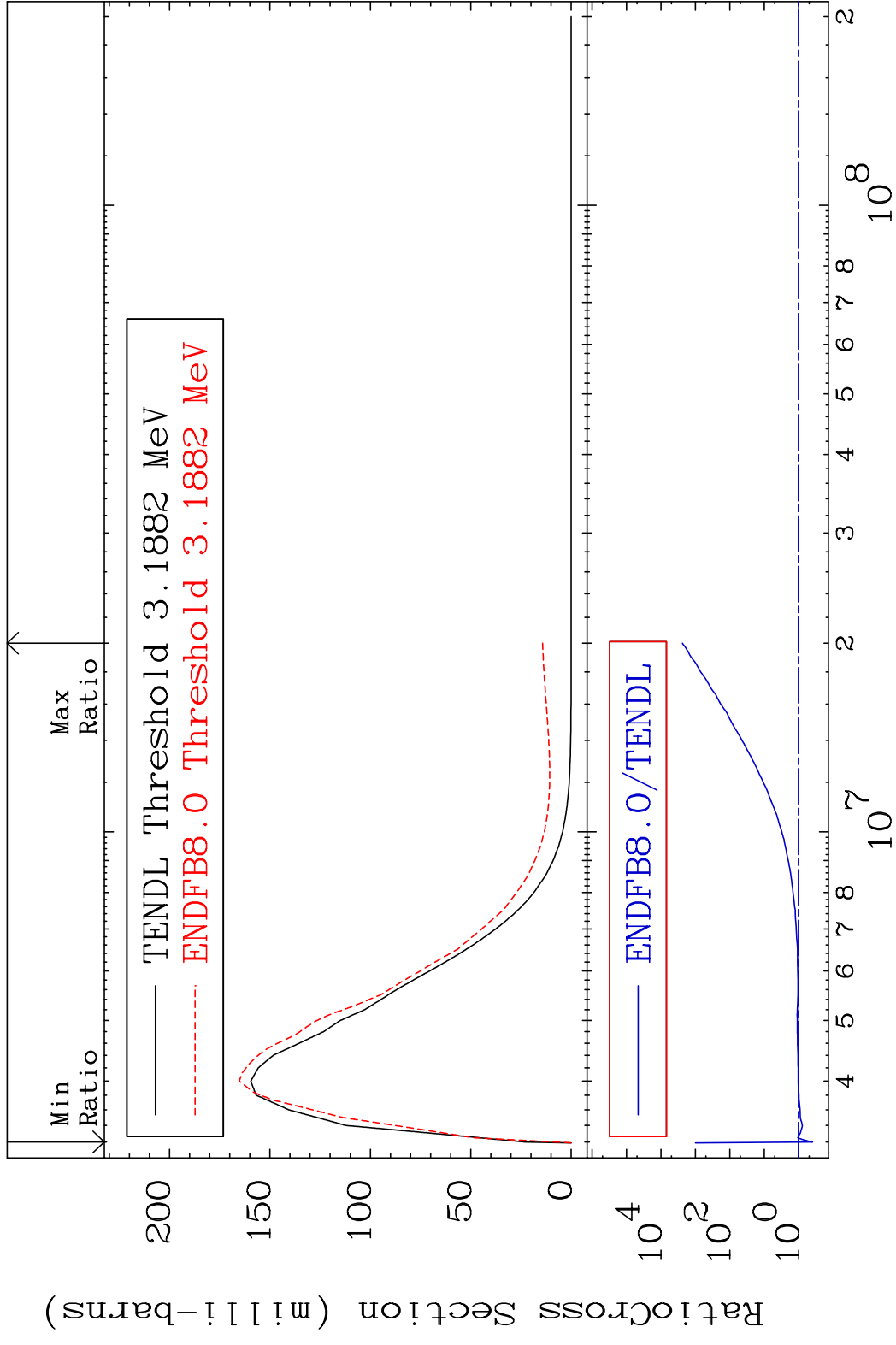


MAT 1731 MT= 52 (n, n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %

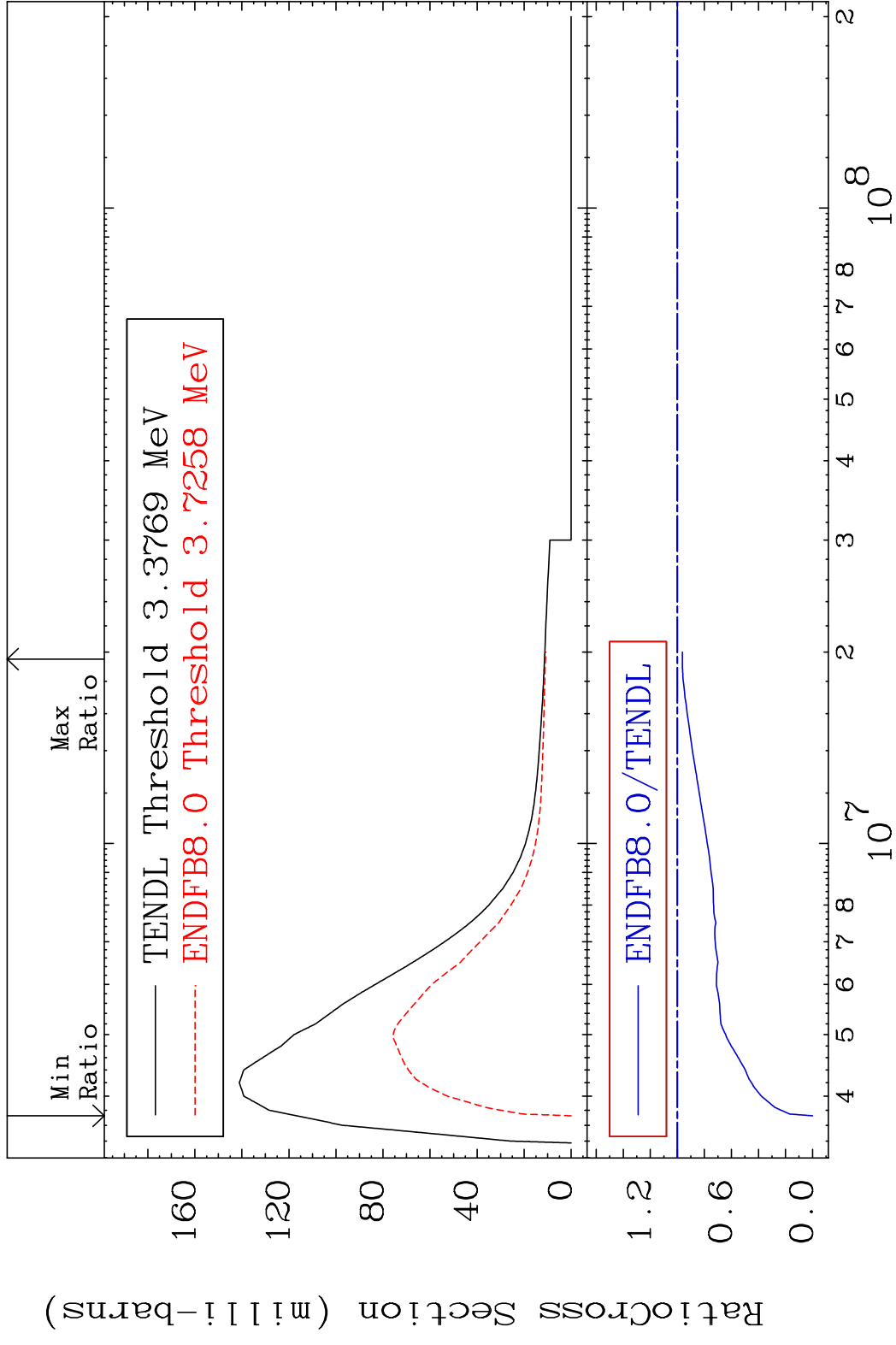


10 17-Cl-37

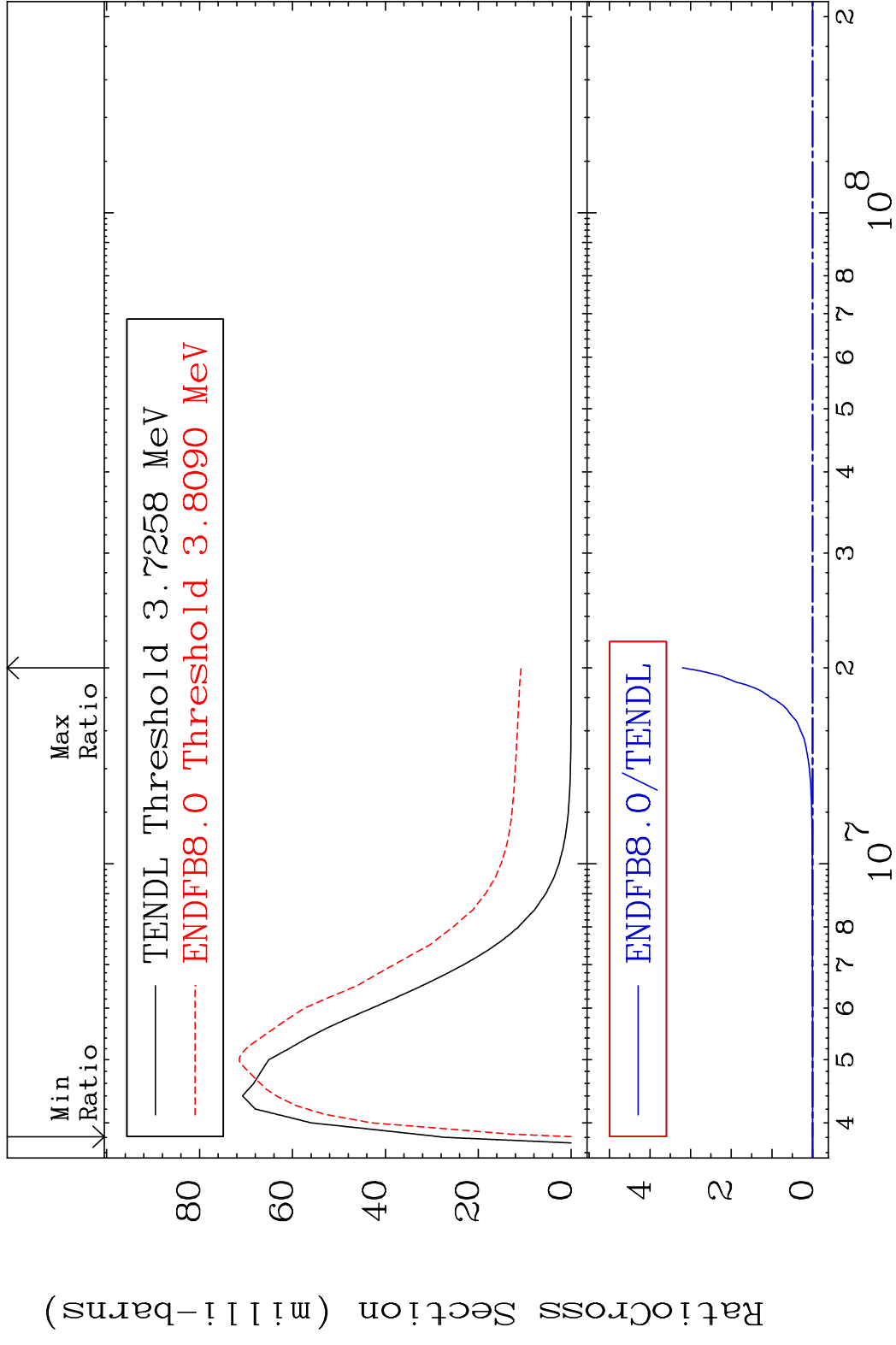
MAT 1731 MT= 53 (n, n') Level 17-Cl-37
 Cross Section -60.31 To 9999. %



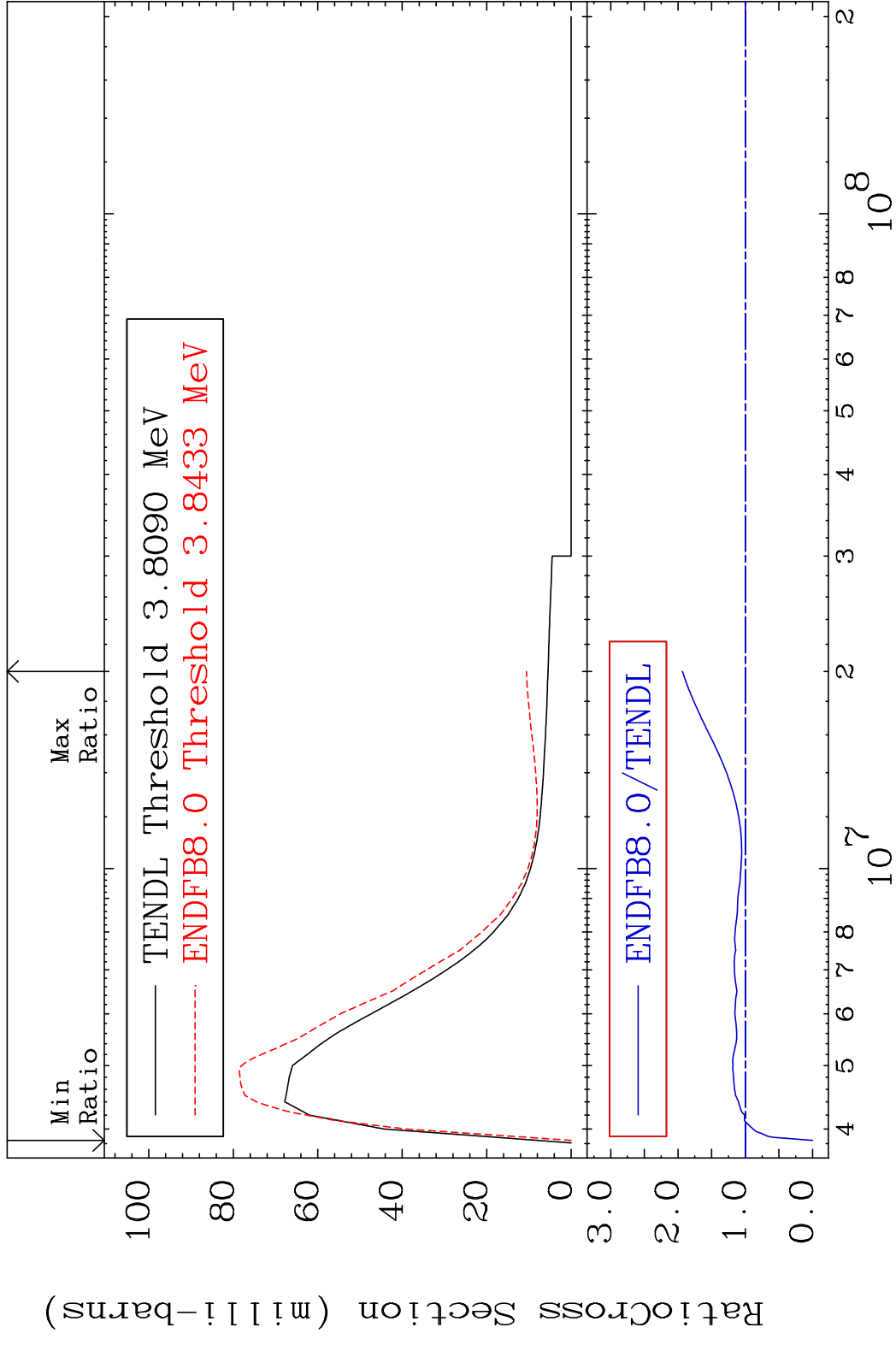
MAT 1731 MT= 54 (n,n') Level 17-Cl-37
 Cross Section -100.0 To -3.709%



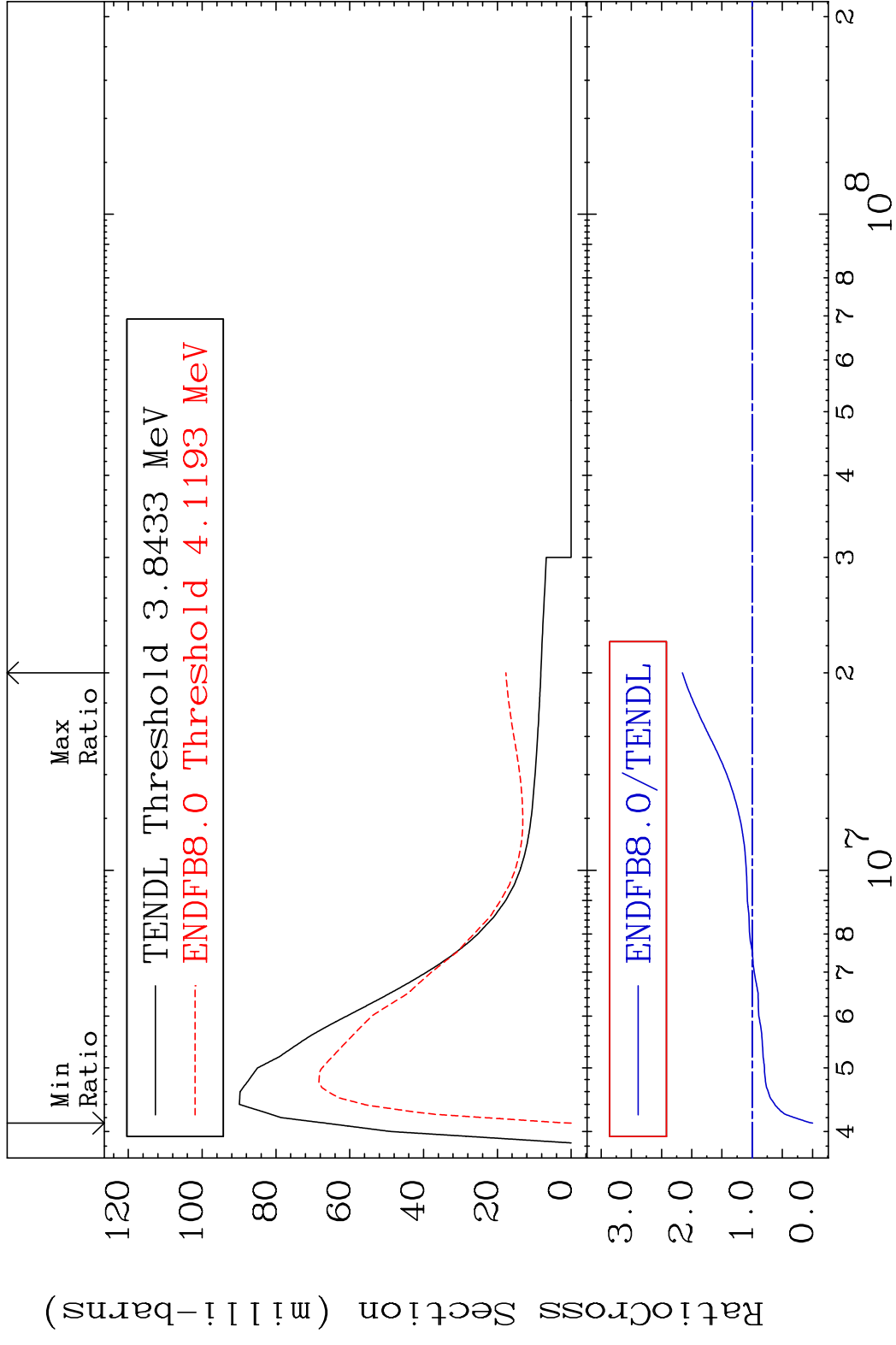
MAT 1731 MT= 55 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %



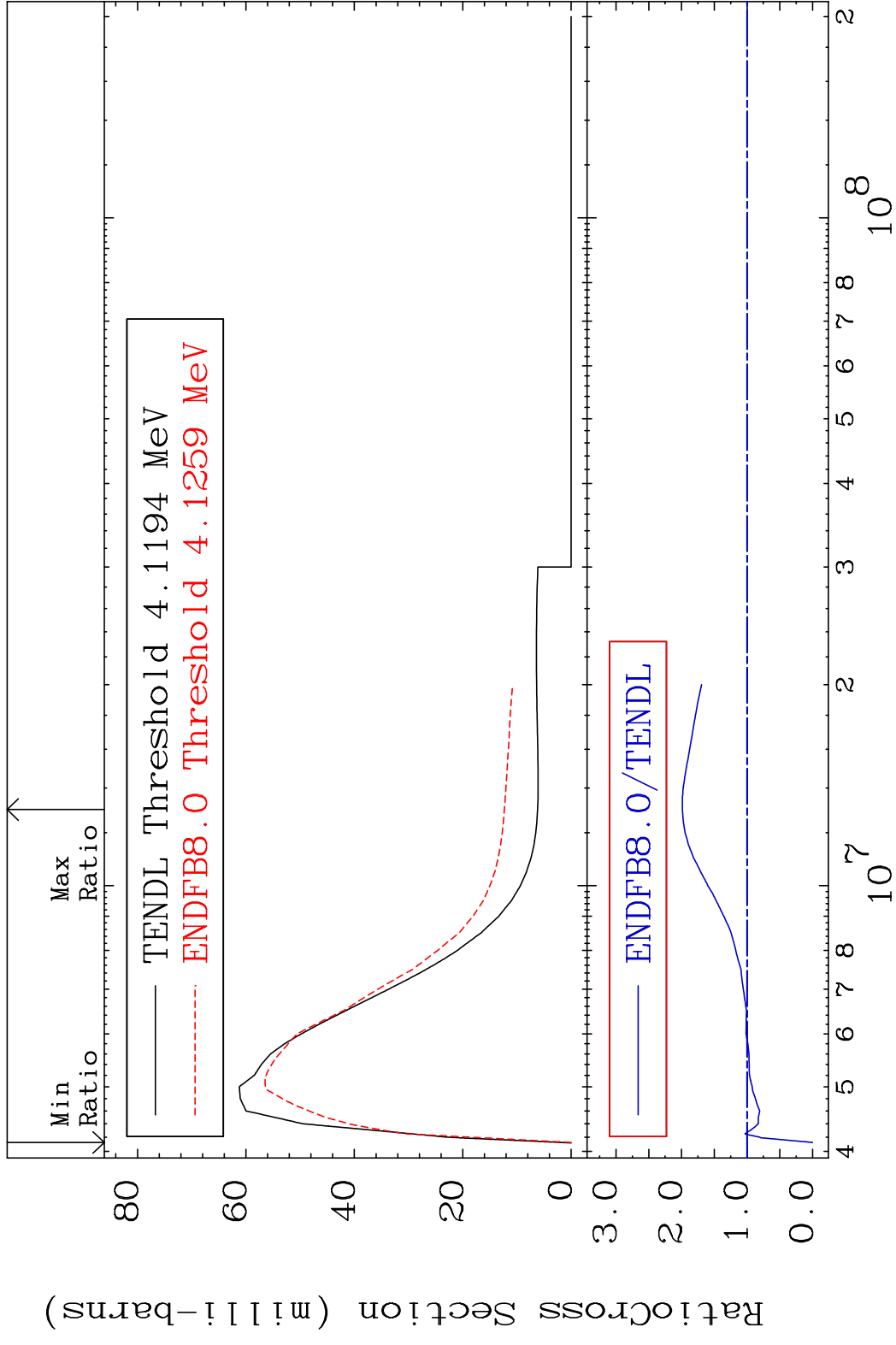
MAT 1731 MT= 56 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 93.52 %



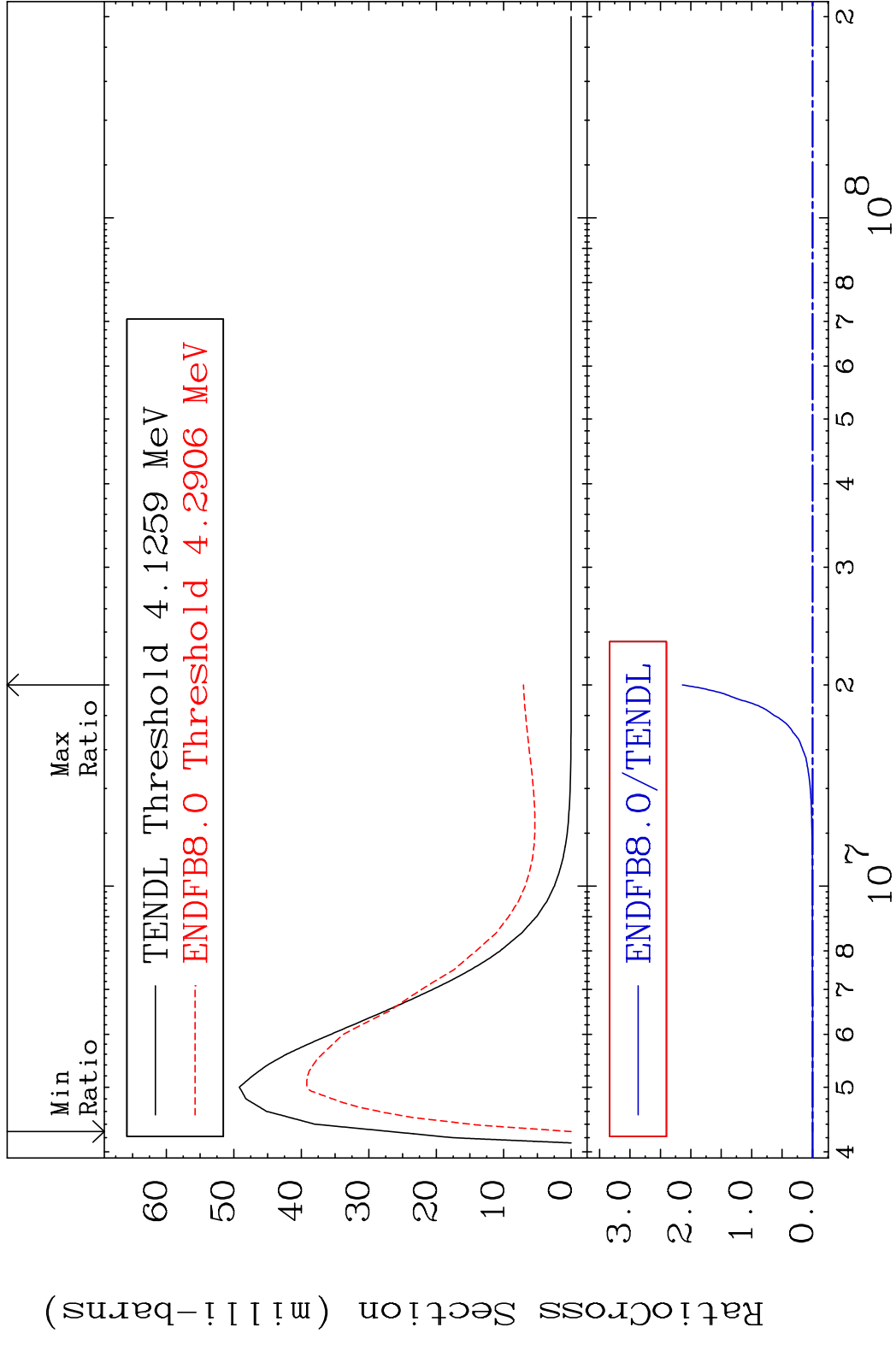
MAT 1731 MT= 57 (n, n') Level 17-Cl-37
 Cross Section -100.0 To 115.5 %



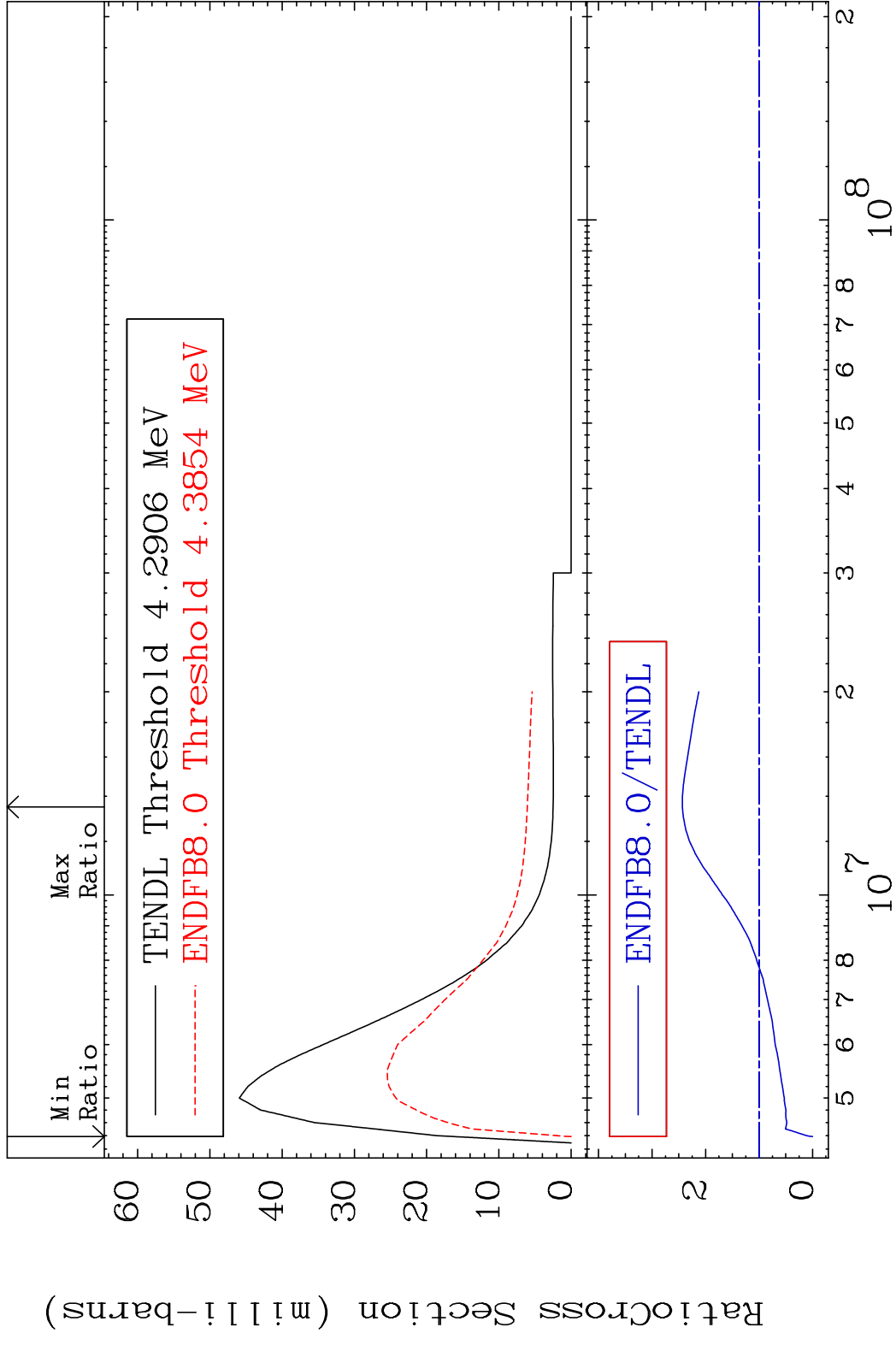
MAT 1731 MT= 58 (n, n') Level 17-Cl-37
 Cross Section -100.0 To 98.75 %



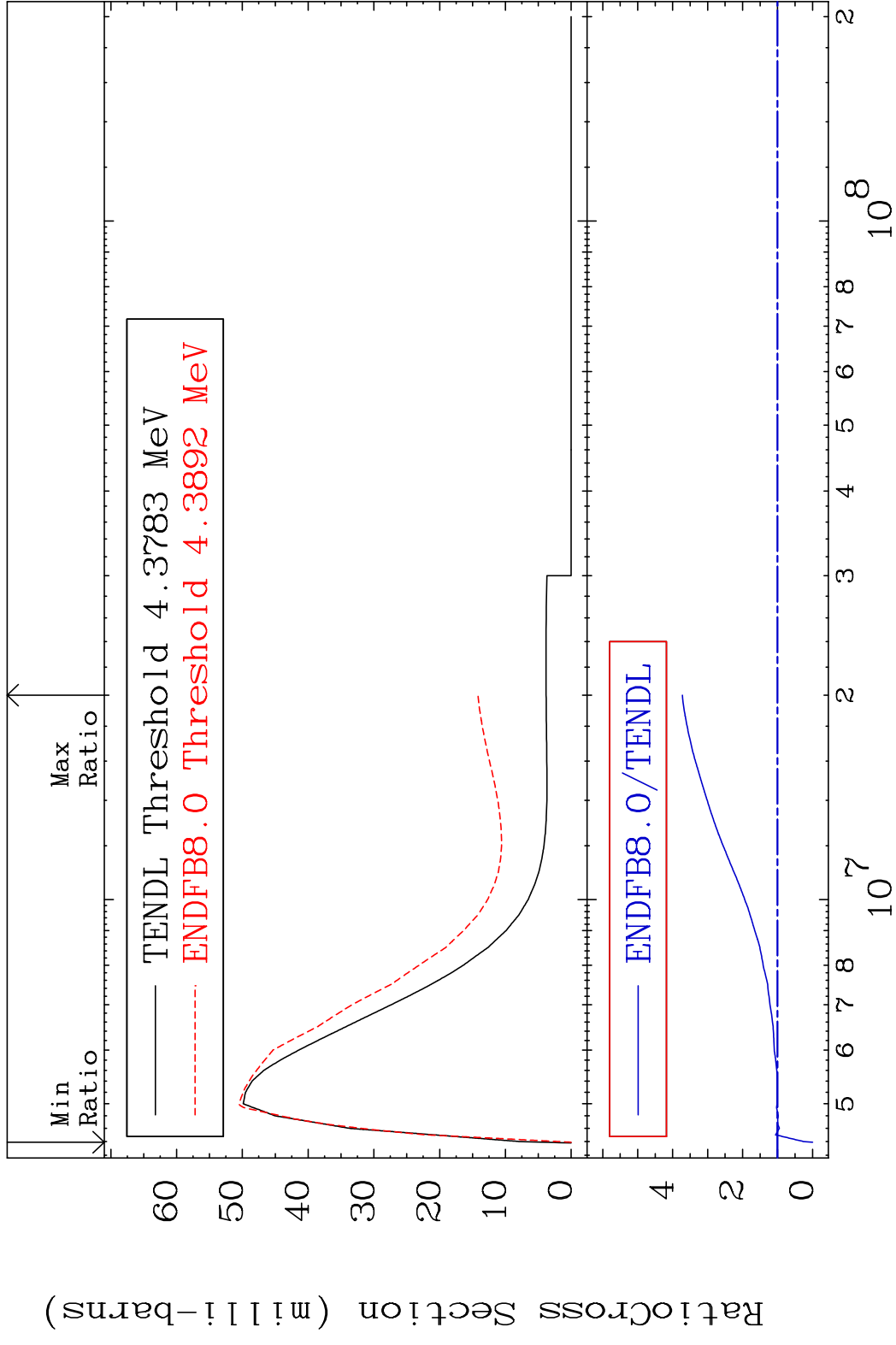
MAT 1731 MT= 59 (n, n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %



MAT 1731 MT= 60 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 143.4 %



MAT 1731 MT= 61 (n, n') Level 17-Cl-37
 Cross Section -100.0 To 272.3 %

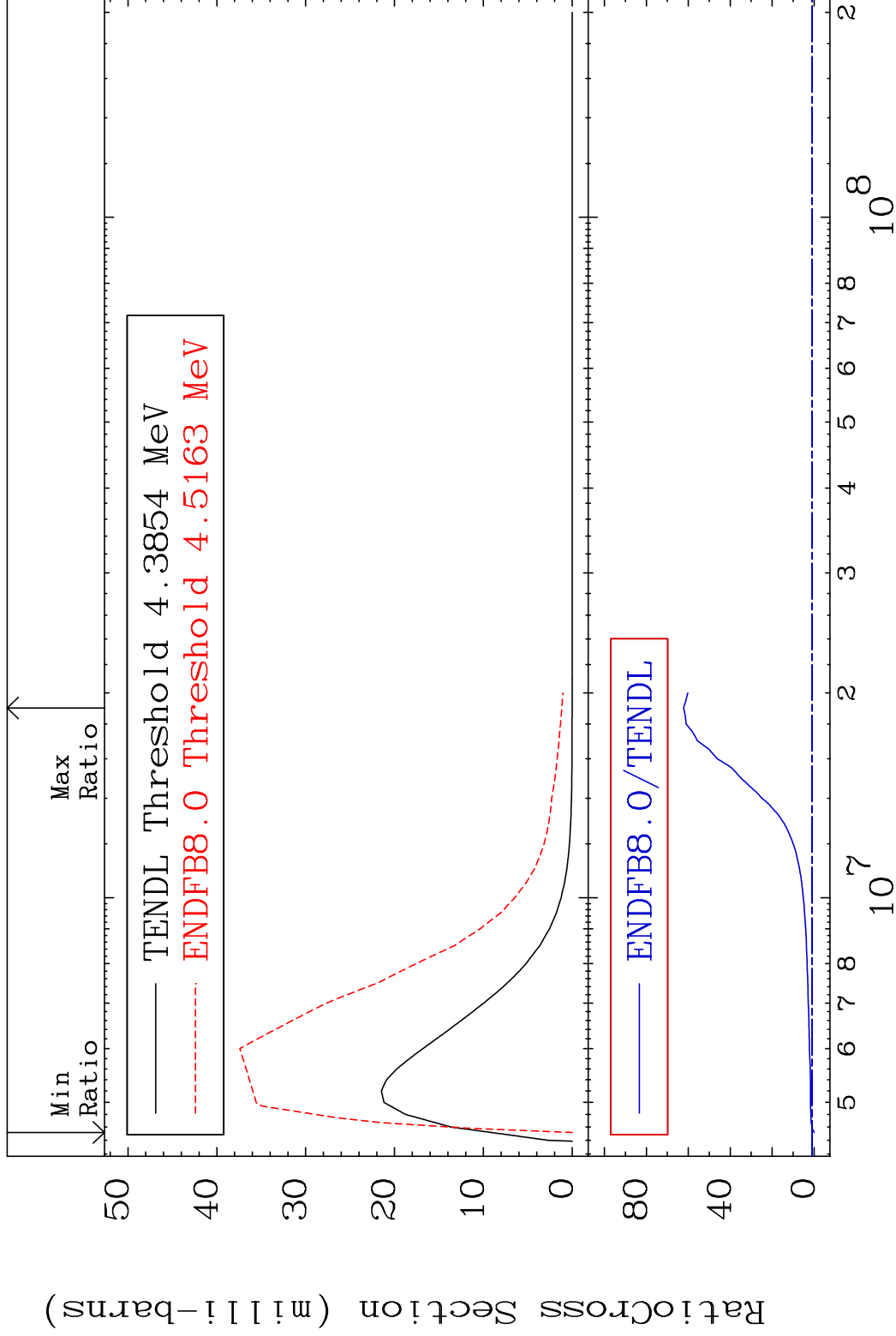


MAT 1731

MT= 62 (n, n') Level

17-Cl-37

Cross Section -100.0 To 6121. %

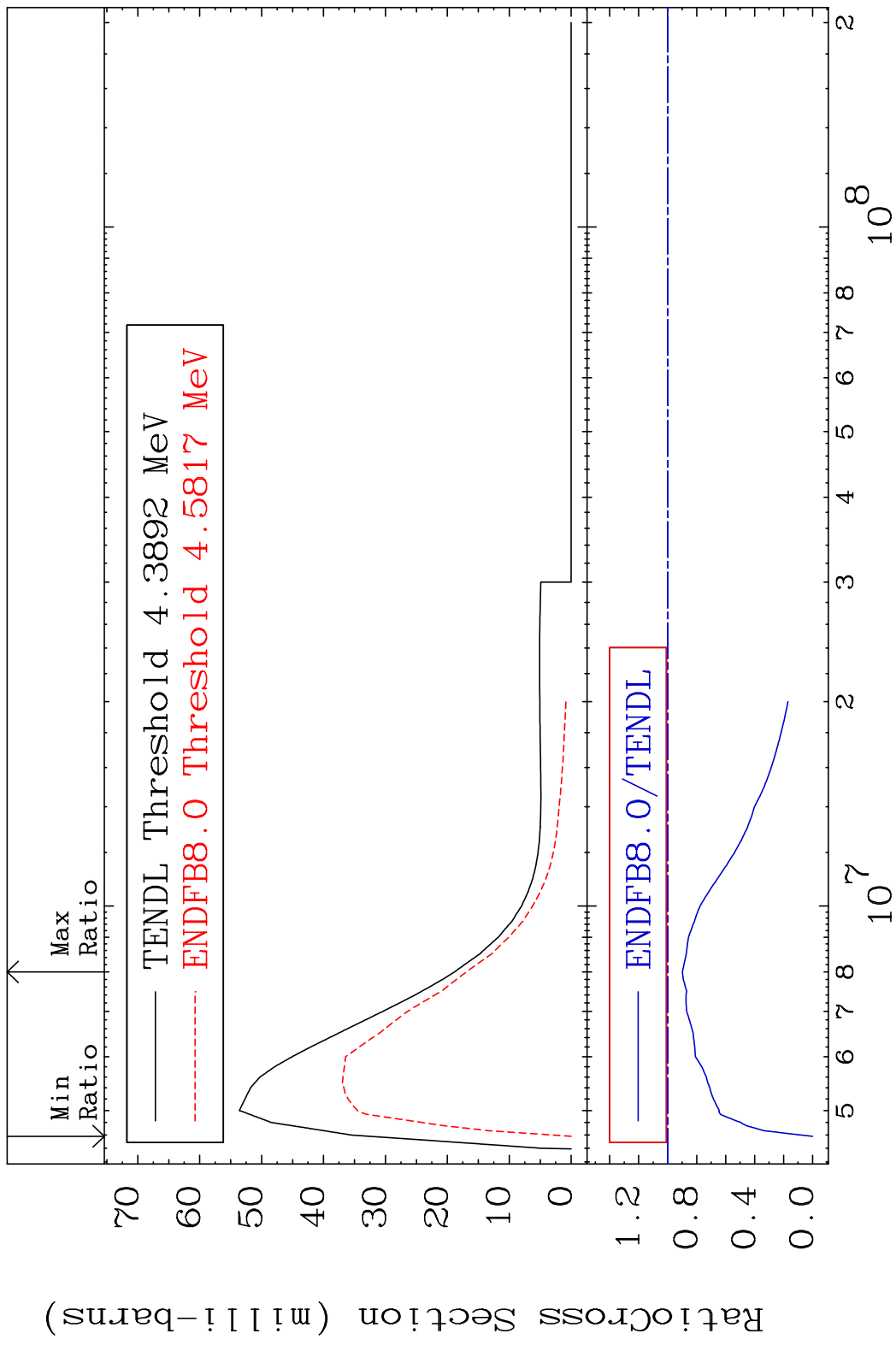


20

Incident Energy (eV)

17-Cl-37

MAT 1731 MT= 63 (n, n') Level 17-Cl-37
 Cross Section -100.0 To -10.14%

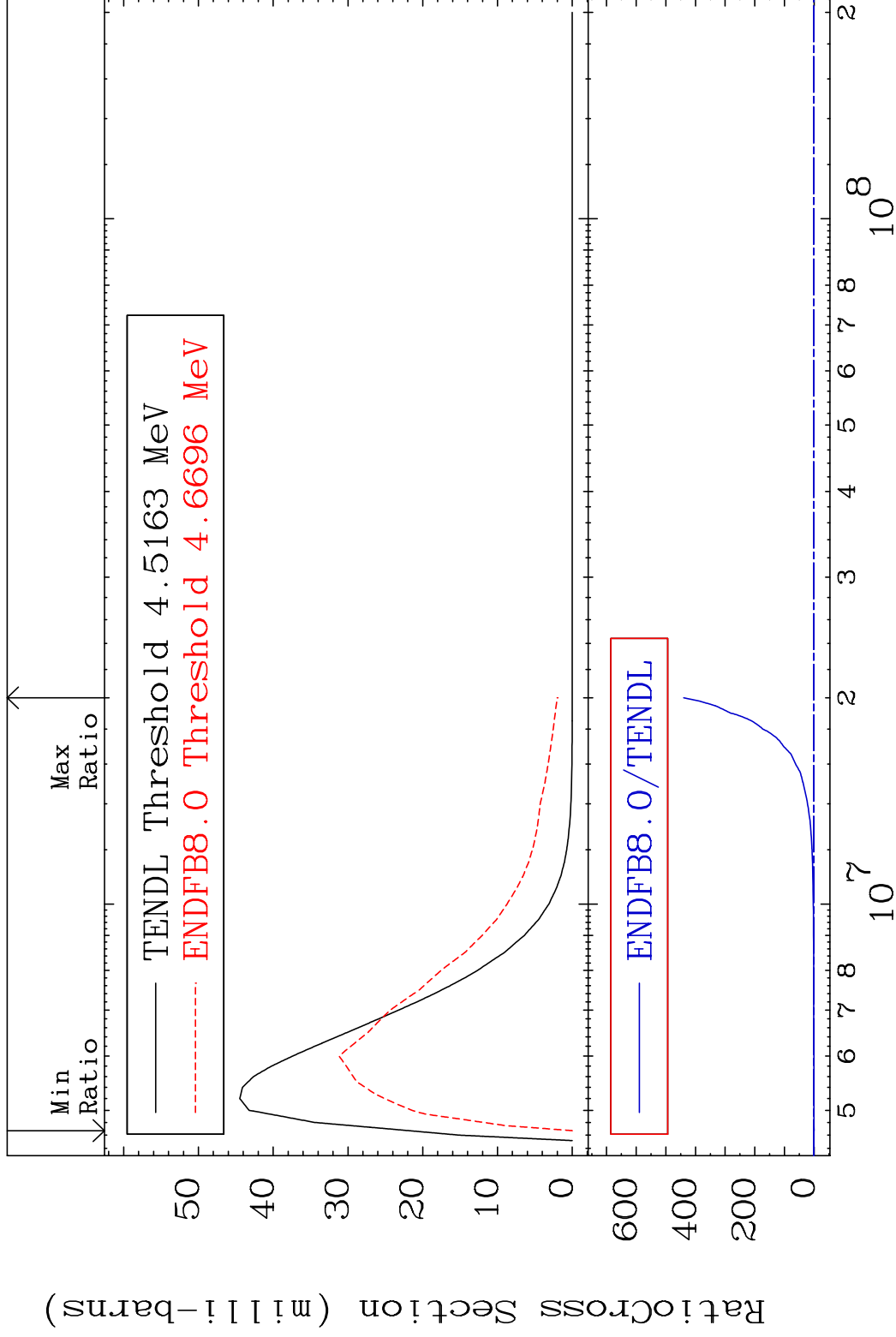


MAT 1731

MT= 64 (n, n') Level

17-Cl-37

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

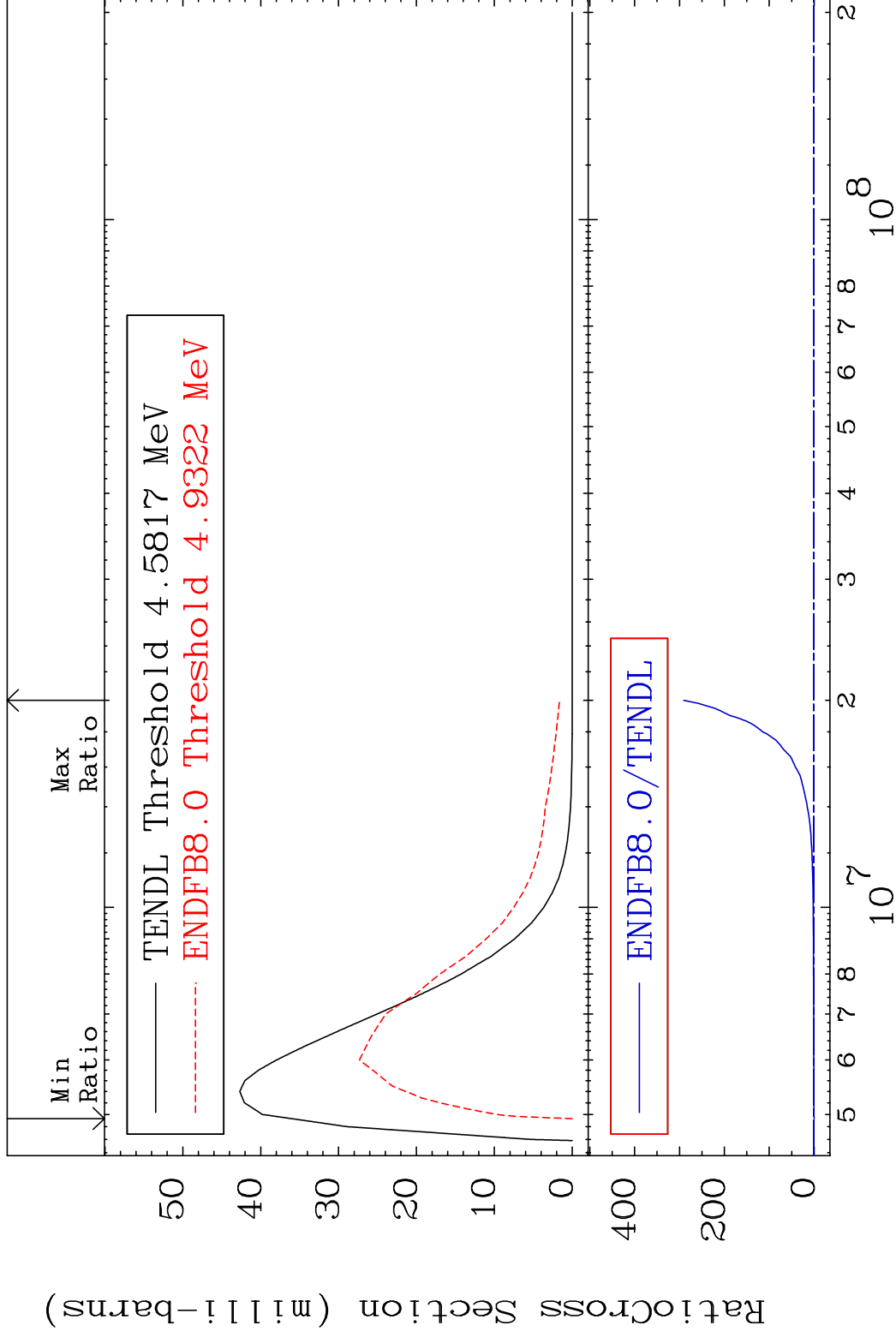
17-Cl-37

MAT 1731

MT= 65 (n, n') Level

17-Cl-37

Cross Section -100.0 To 9999. %

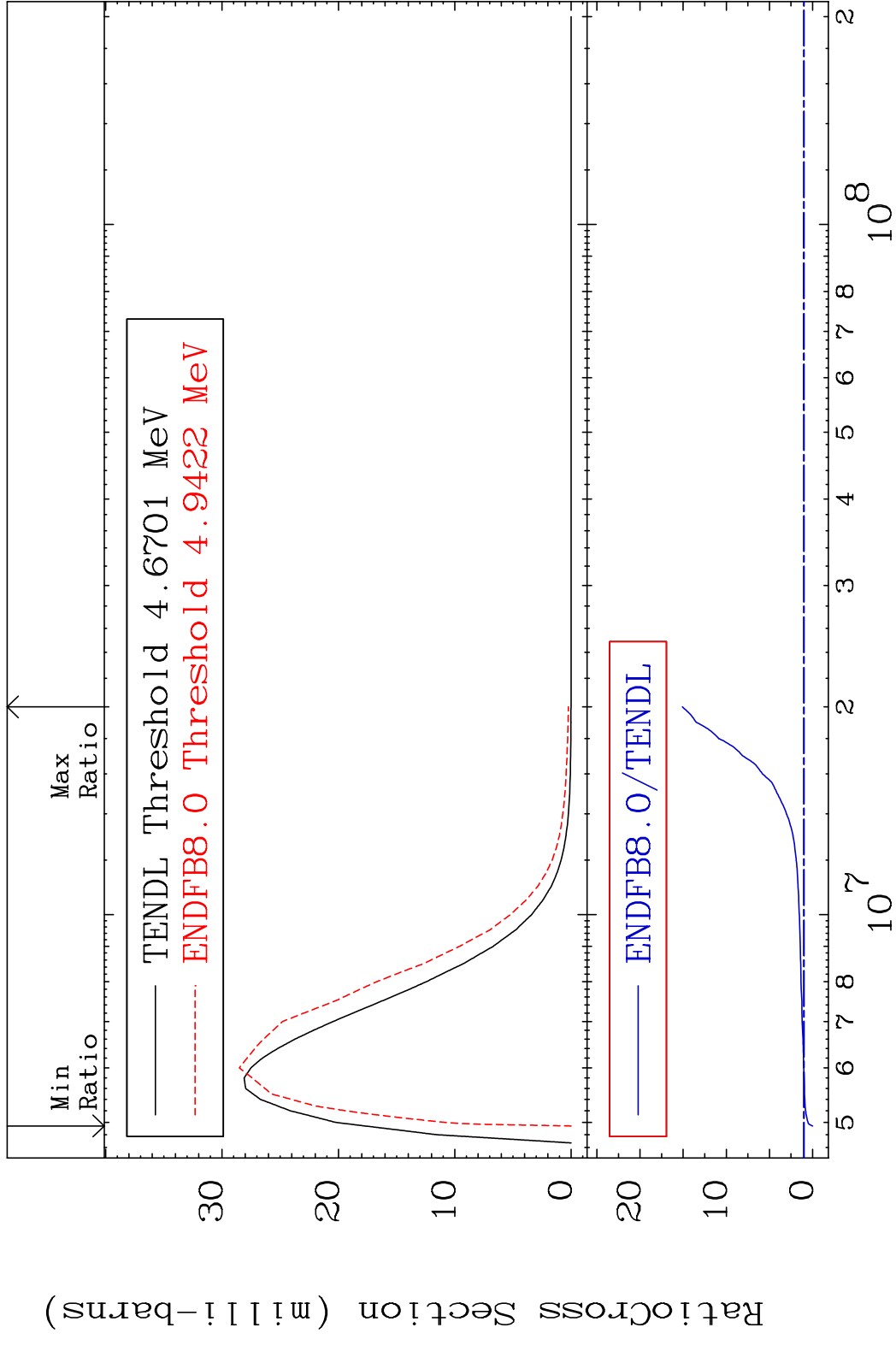


23

Incident Energy (eV)

17-Cl-37

MAT 1731 MT= 66 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 1409. %

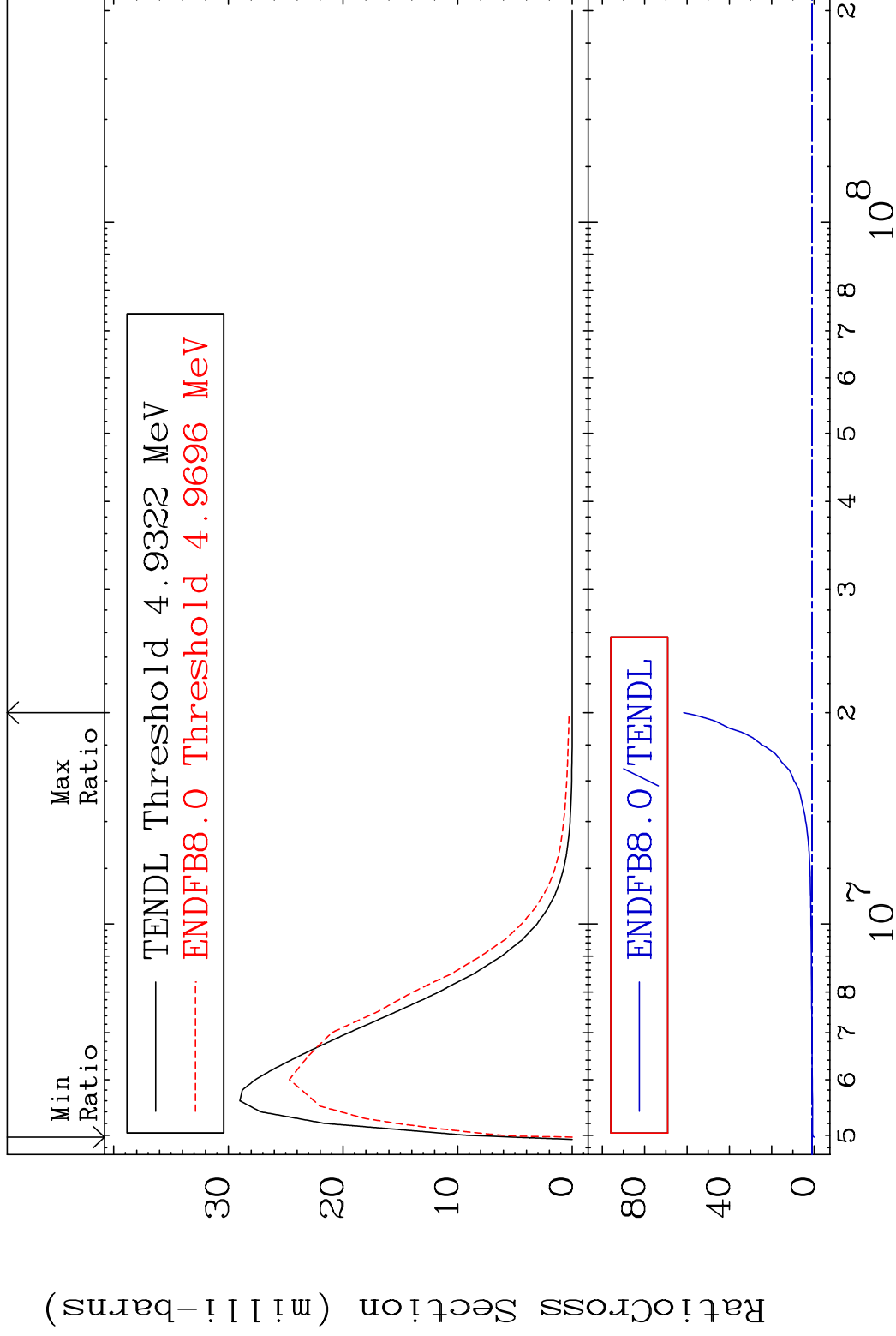


MAT 1731

MT= 67 (n,n') Level

17-C1-37

Cross Section -100.0 To 6058. %

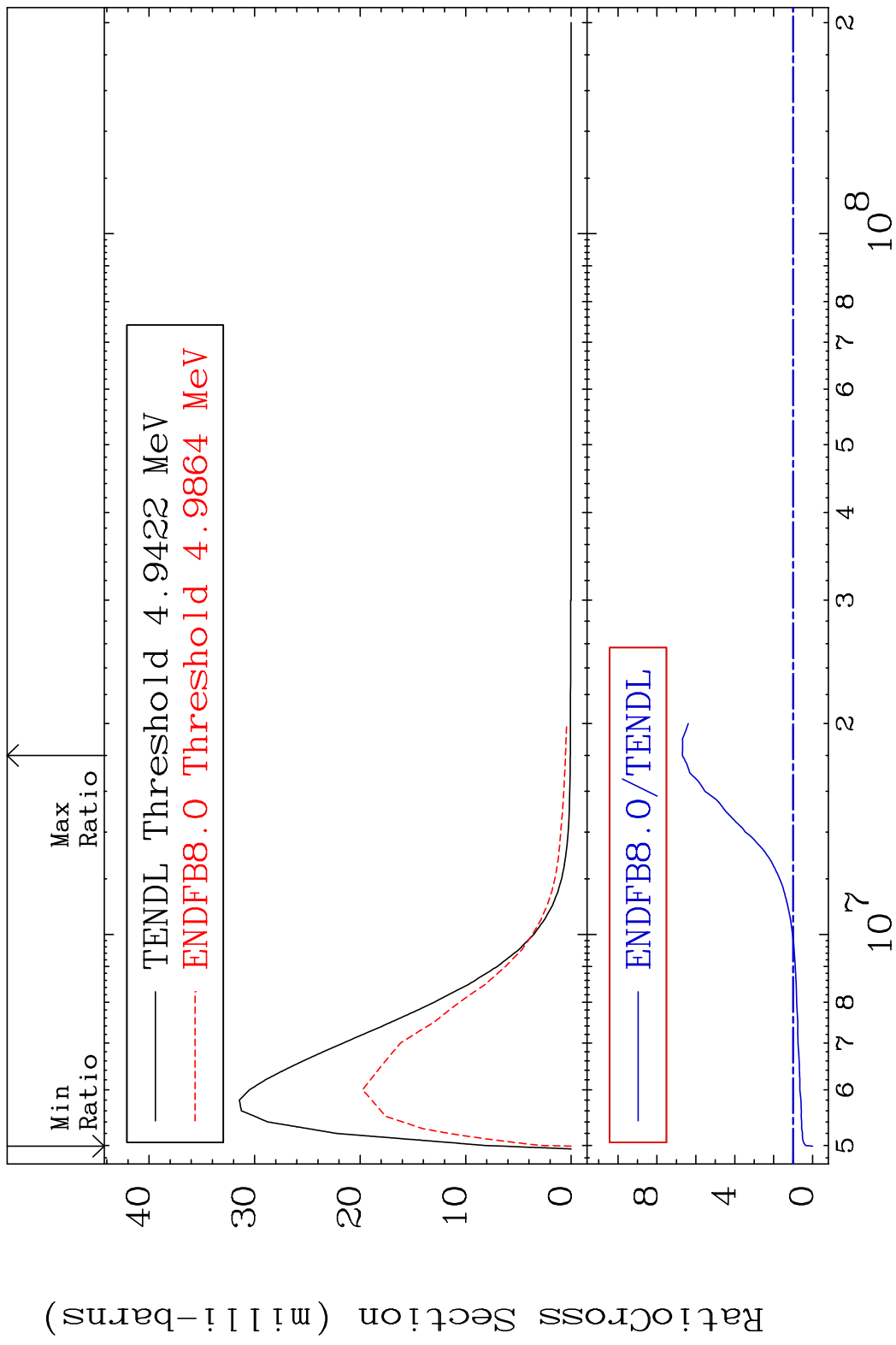


25

Incident Energy (eV)

17-C1-37

MAT 1731 MT= 68 (n,n') Level 17-C1-37
 Cross Section -100.0 To 569.4 %

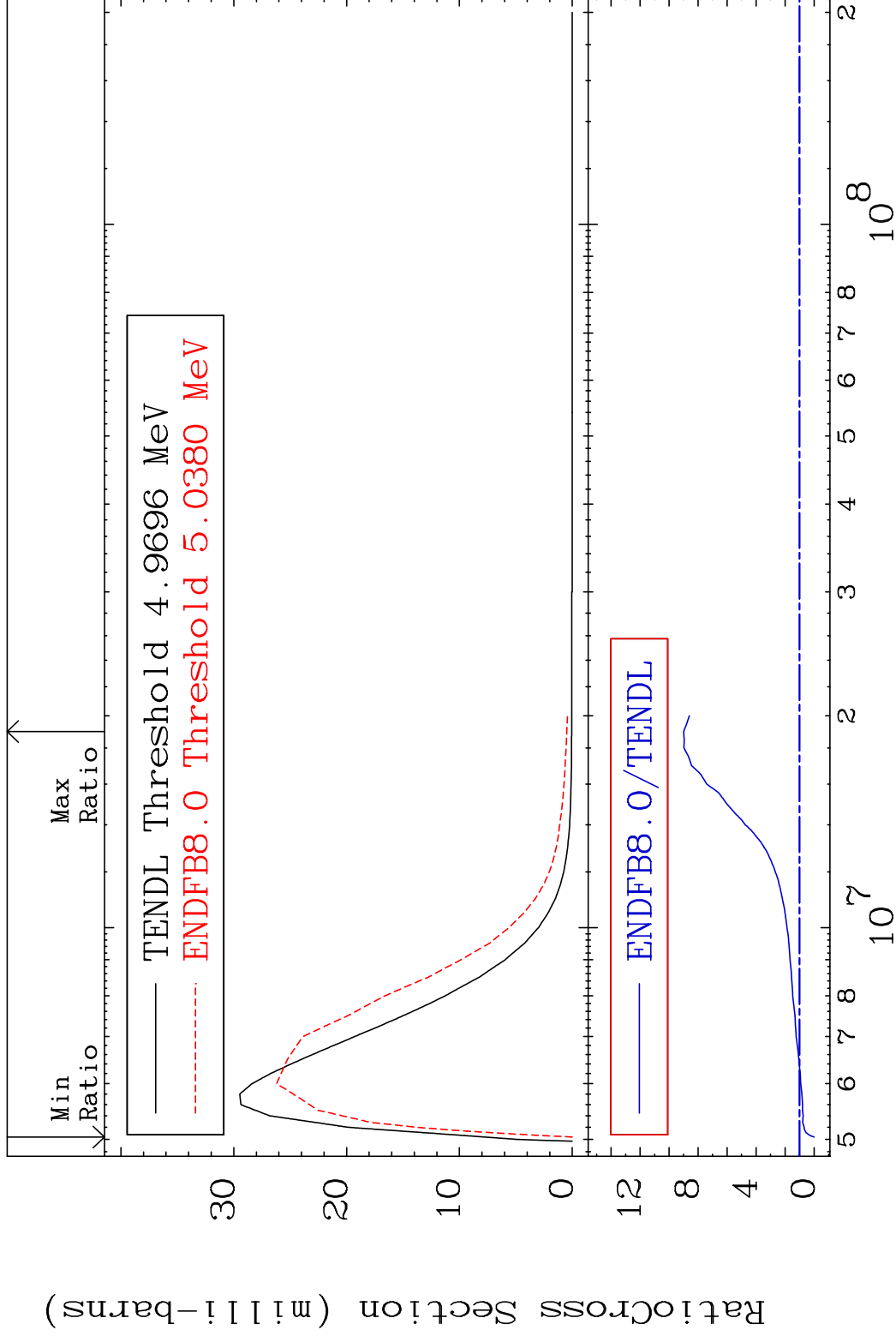


MAT 1731

MT= 69 (n,n') Level

17-Cl-37

Cross Section -100.0 To 799.4 %

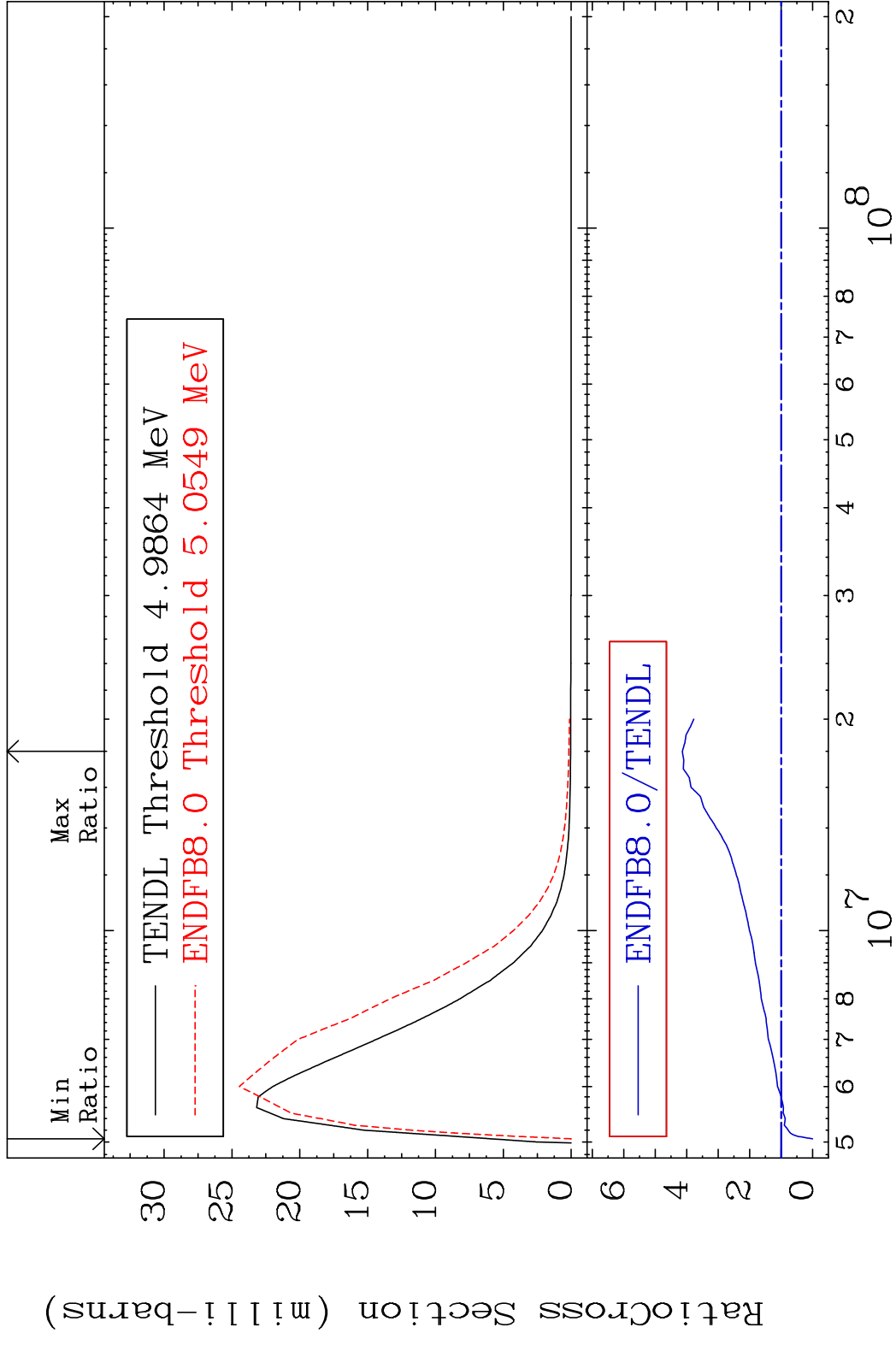


27

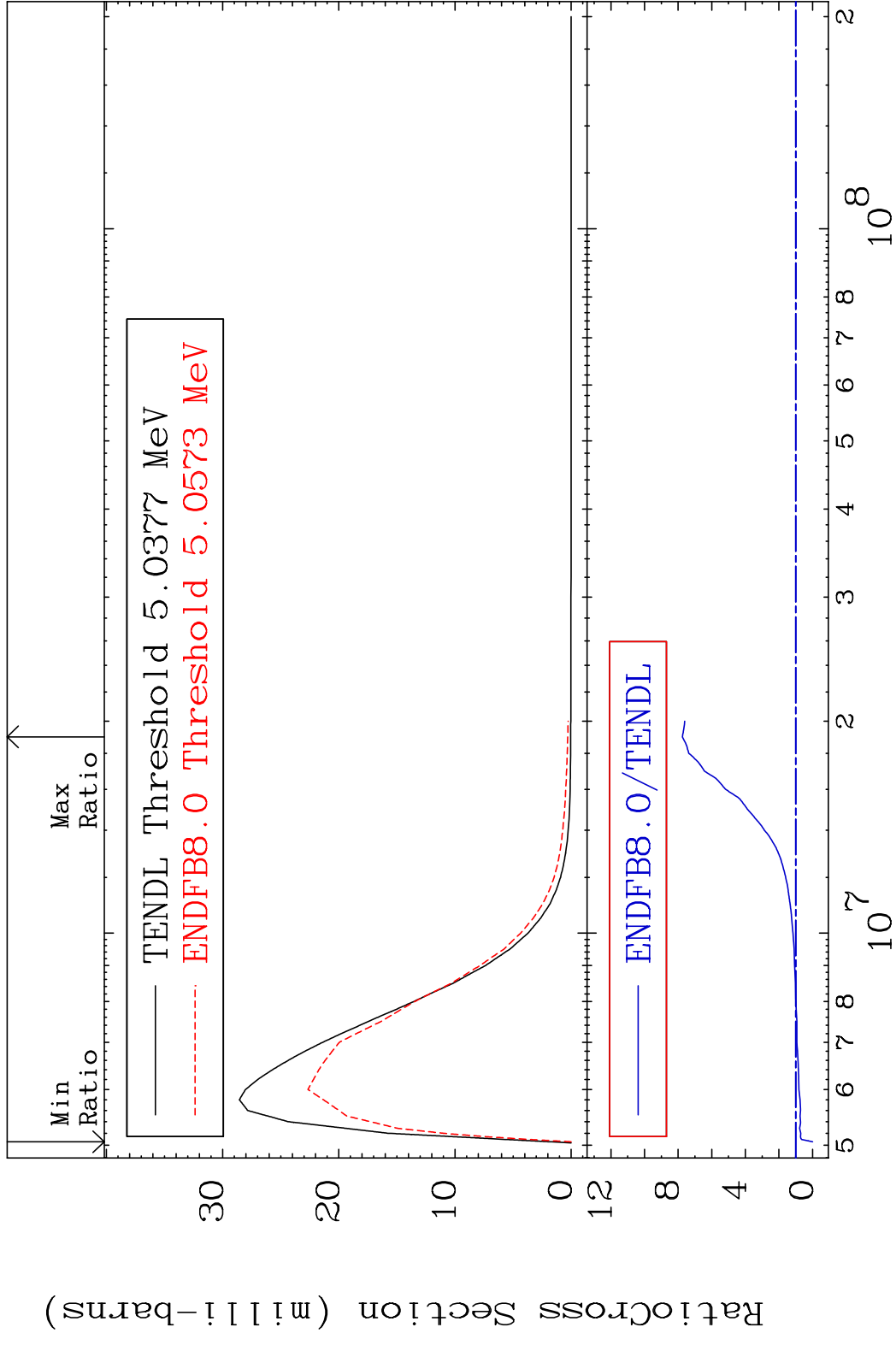
Incident Energy (eV)

17-Cl-37

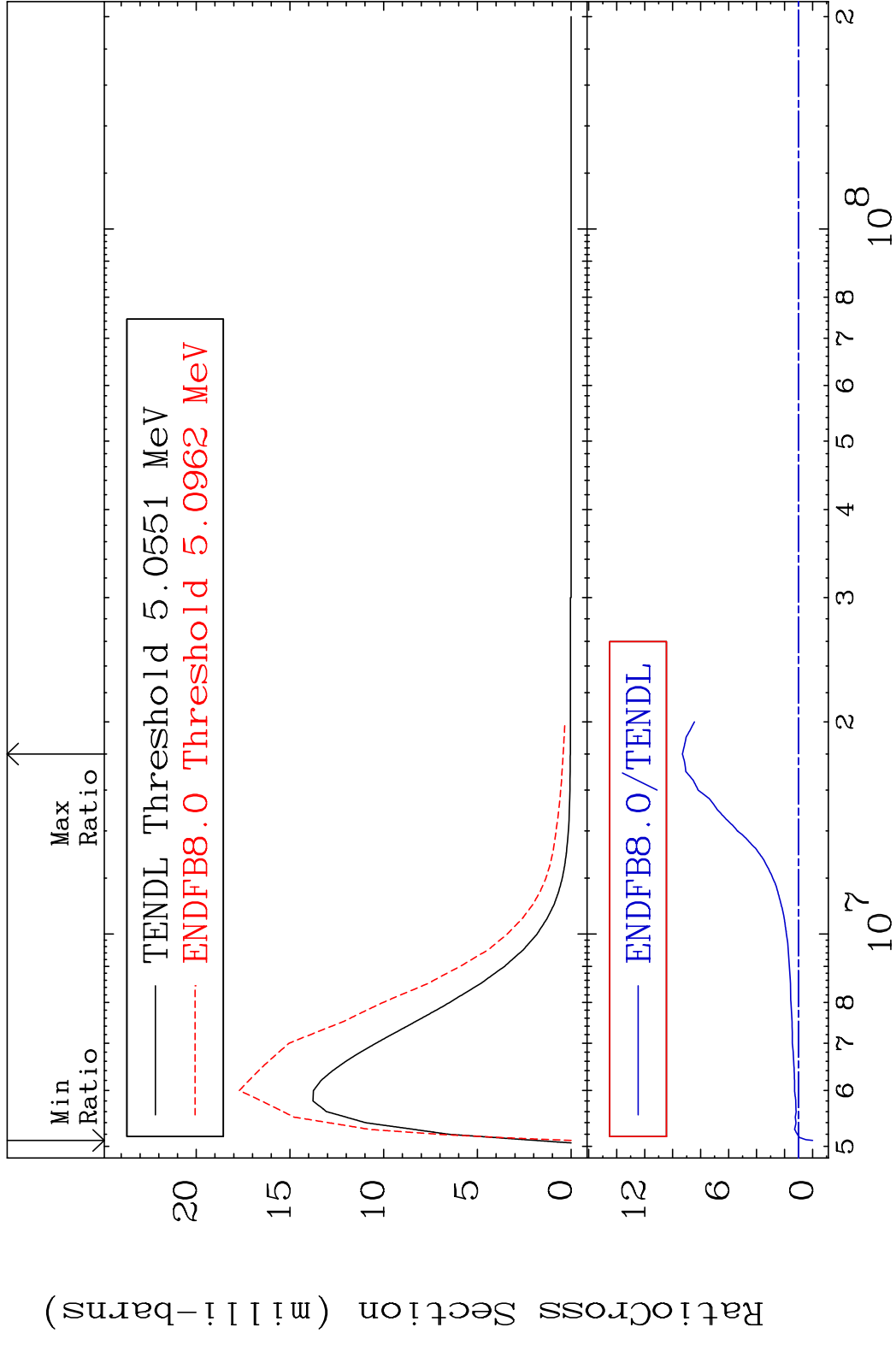
MAT 1731 MT= 70 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 314.0 %



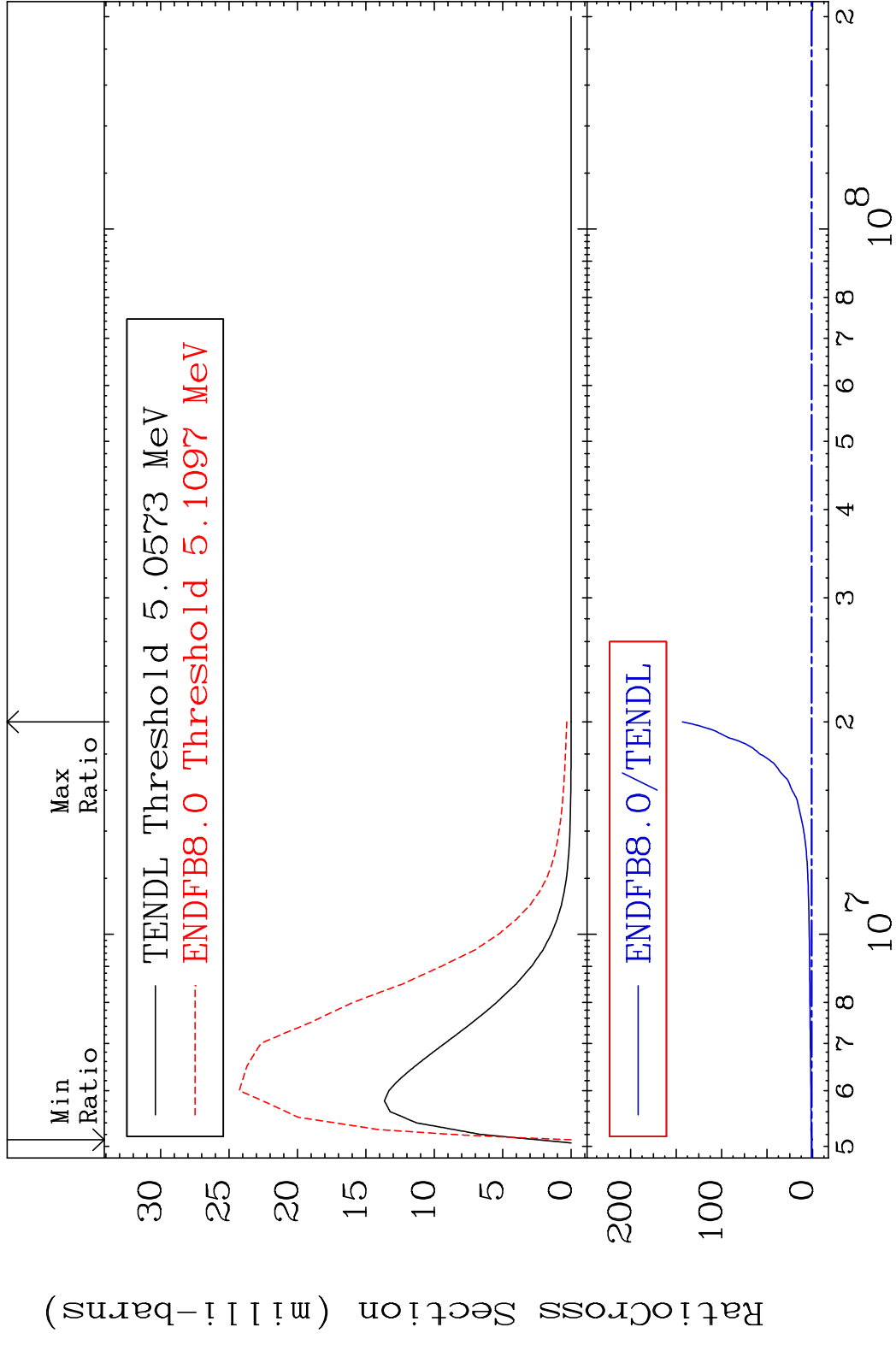
MAT 1731 MT= 71 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 674.9 %



MAT 1731 MT= 72 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 830.8 %



MAT 1731 MT= 73 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %

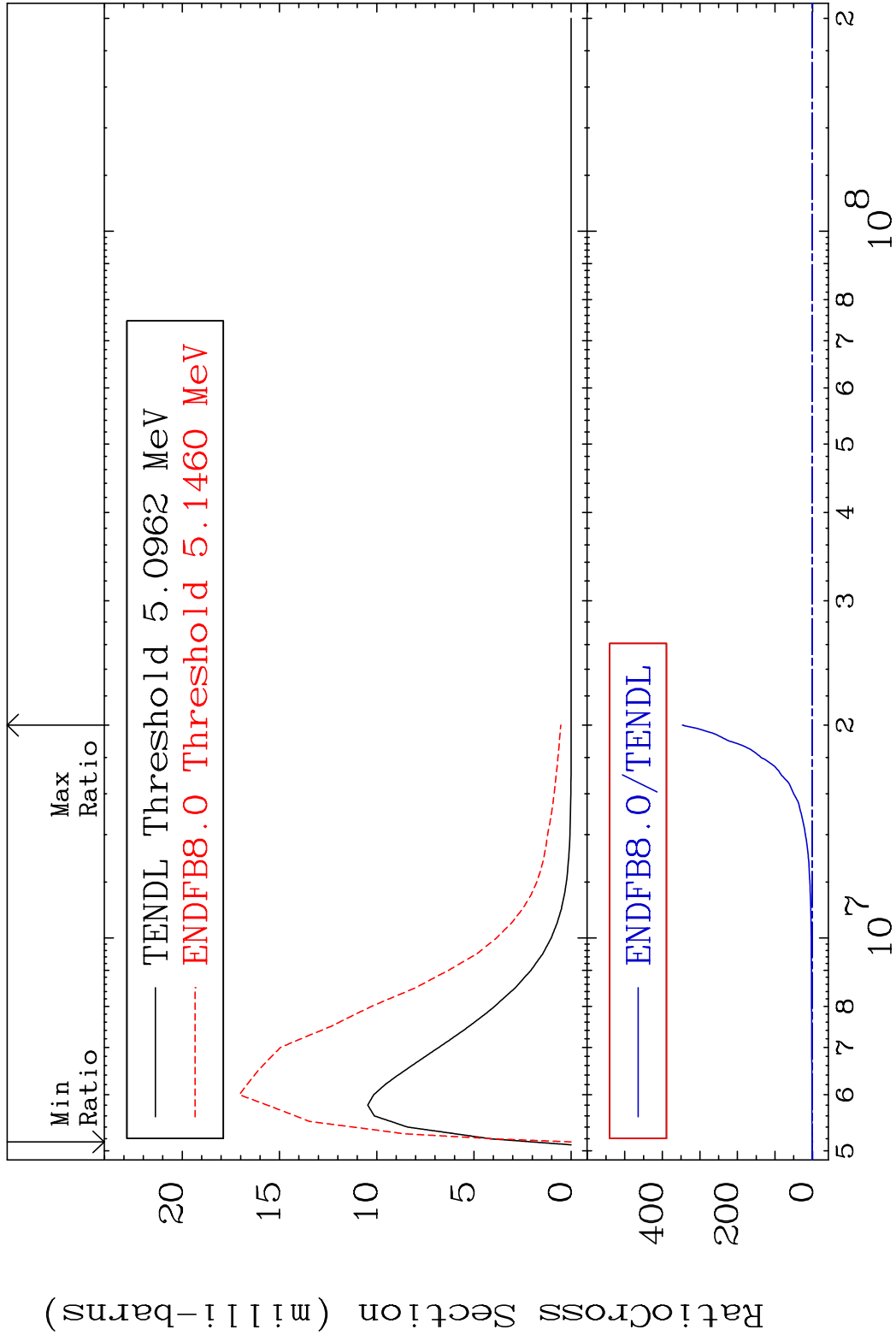


MAT 1731

MT= 74 (n,n') Level

17-Cl-37

Cross Section -100.0 To 9999. %

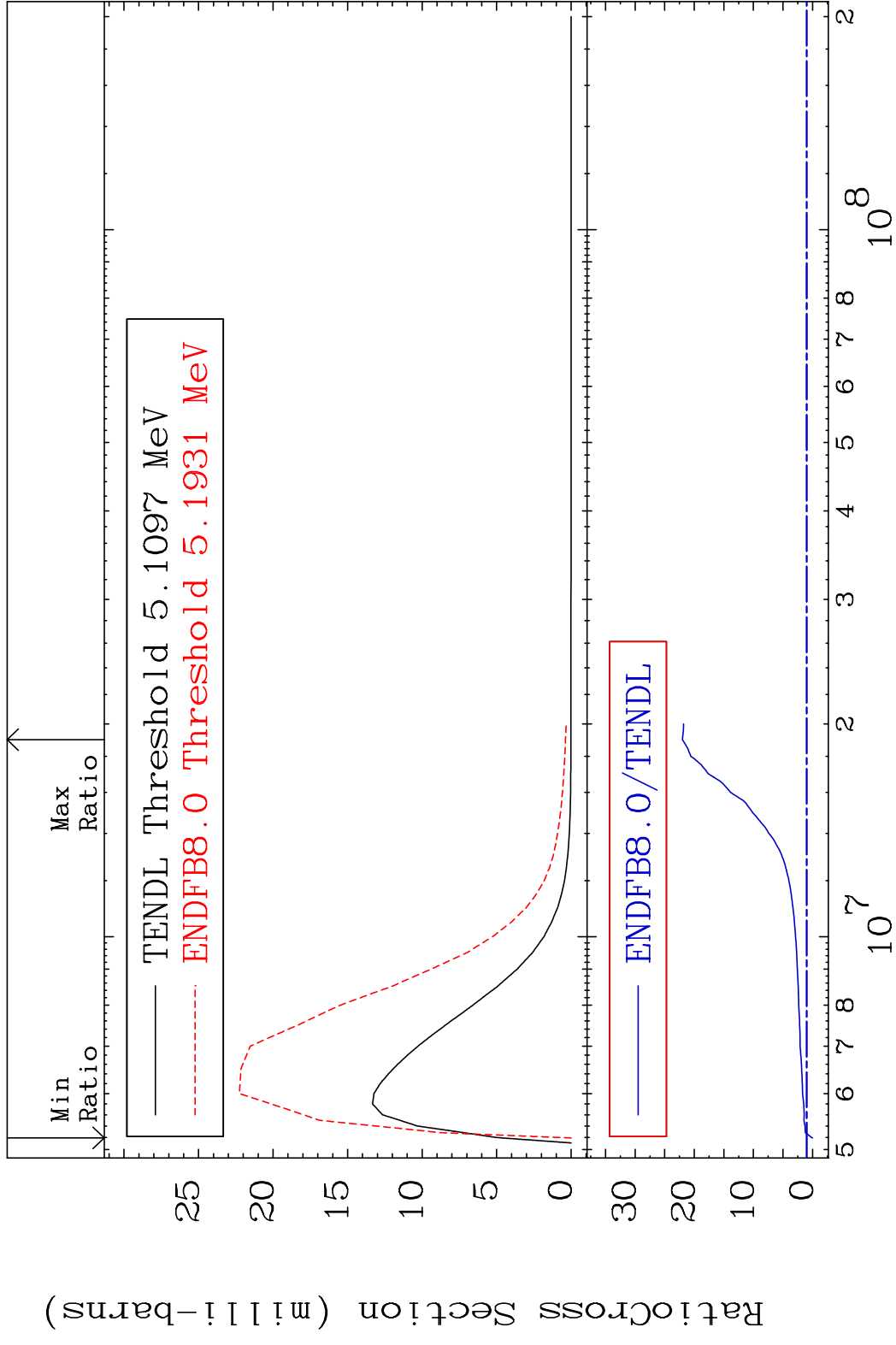


32

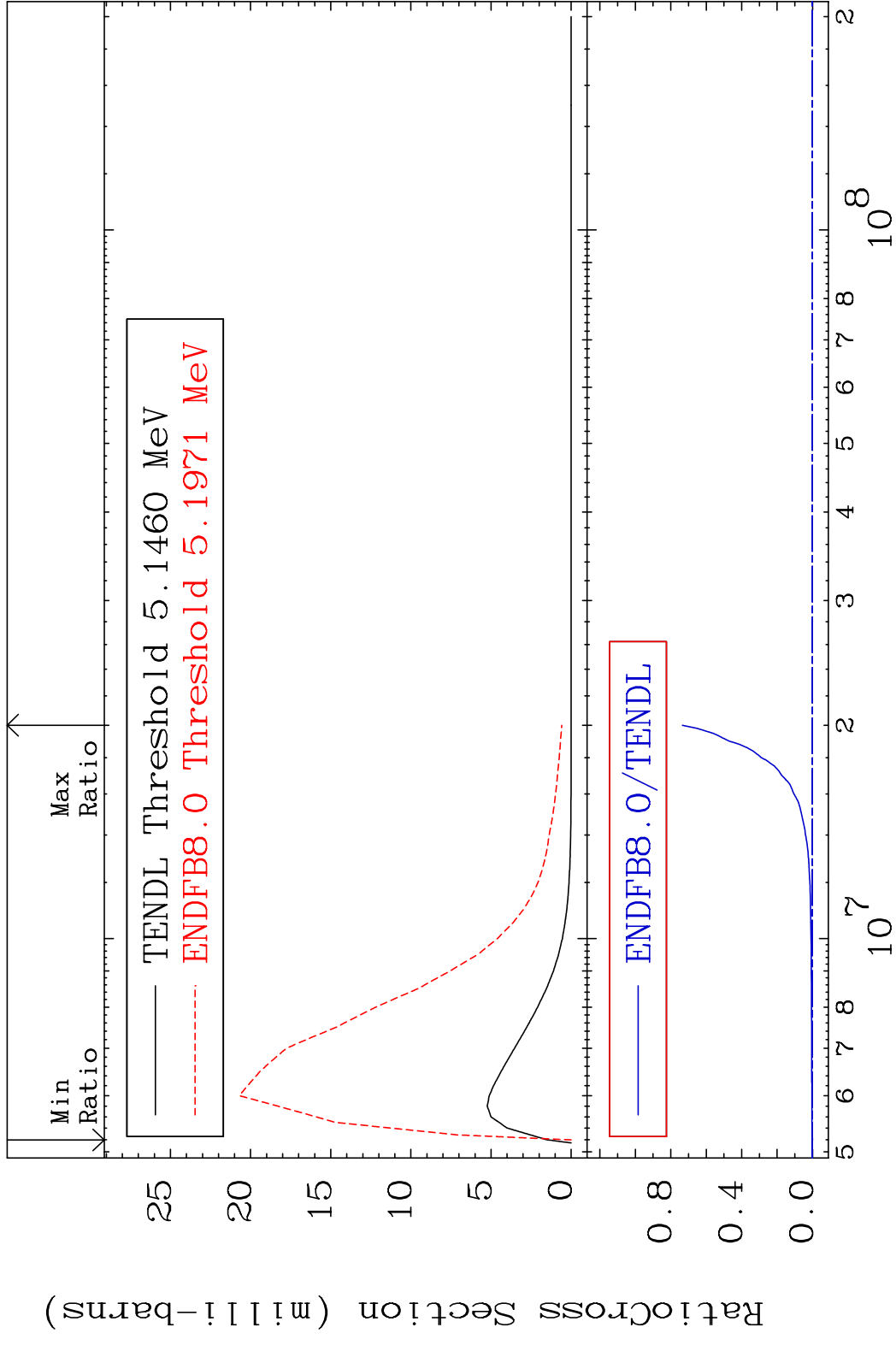
Incident Energy (eV)

17-Cl-37

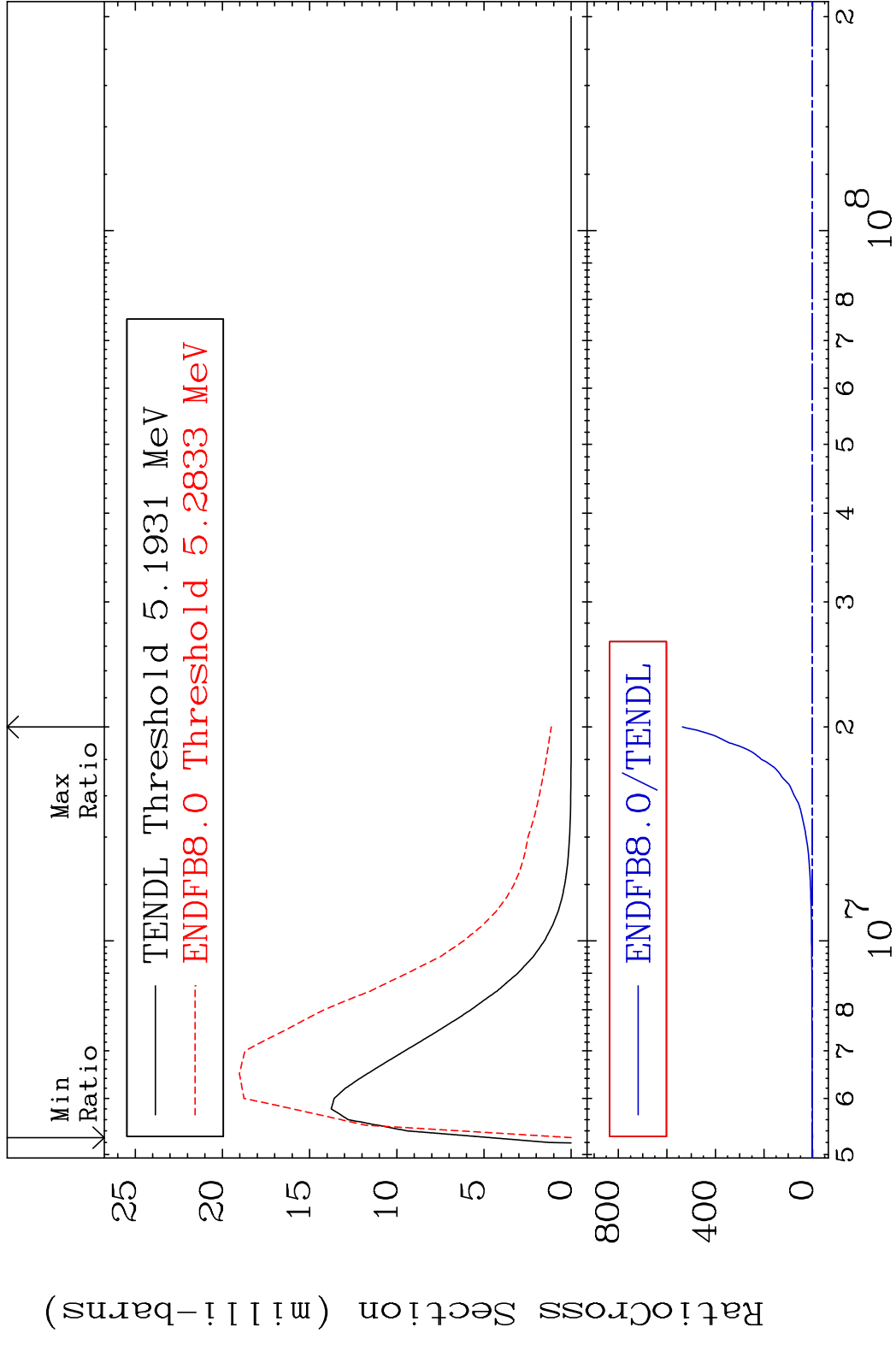
MAT 1731 MT= 75 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 2101. %



MAT 1731 MT= 76 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %



MAT 1731 MT= 77 (n,n') Level 17-Cl-37
 Cross Section -100.0 To 9999. %

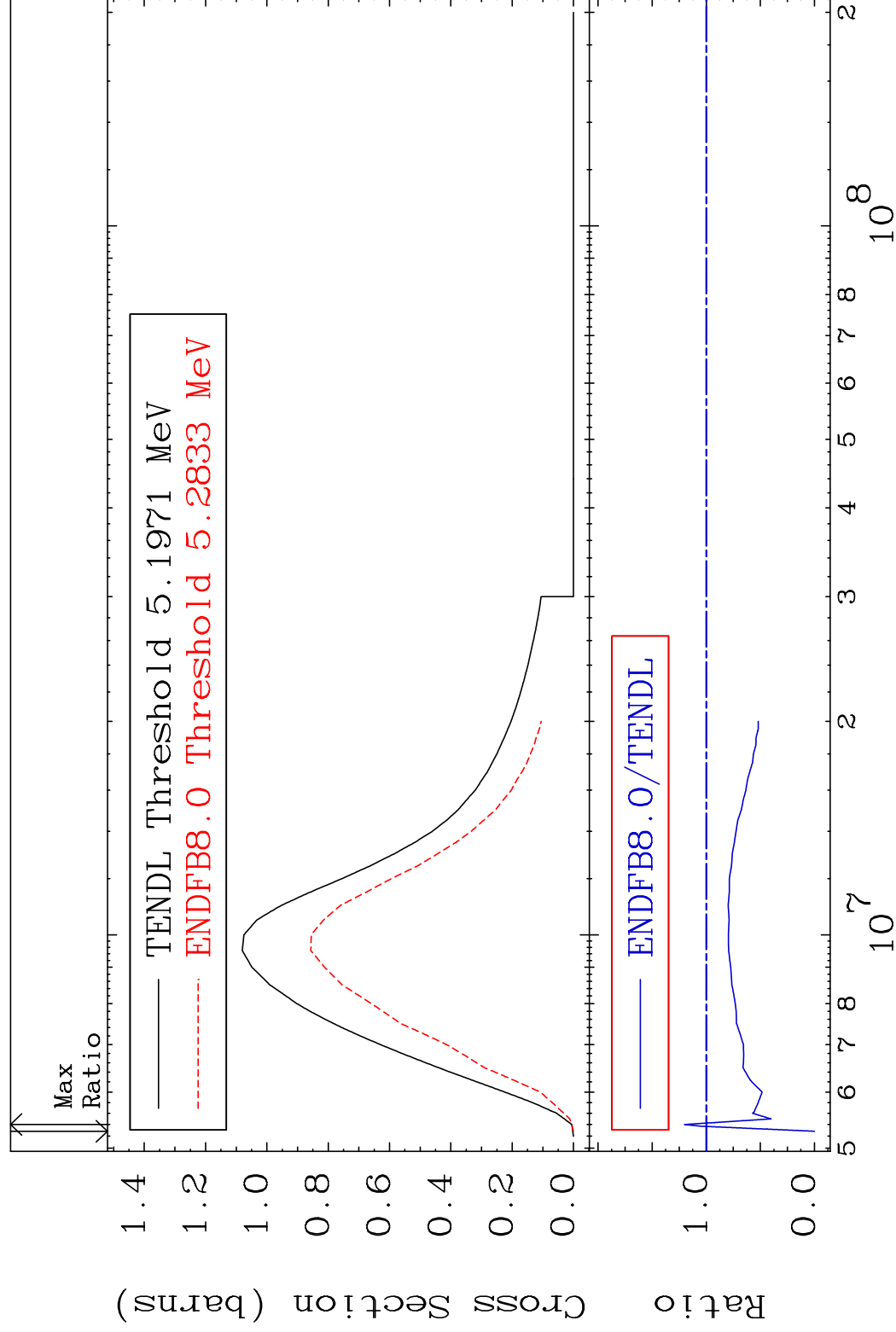


MAT 1731

(n, n') Continuum

17-Cl-37

Cross Section -100.0 To 20.13 %



36

Incident Energy (eV)

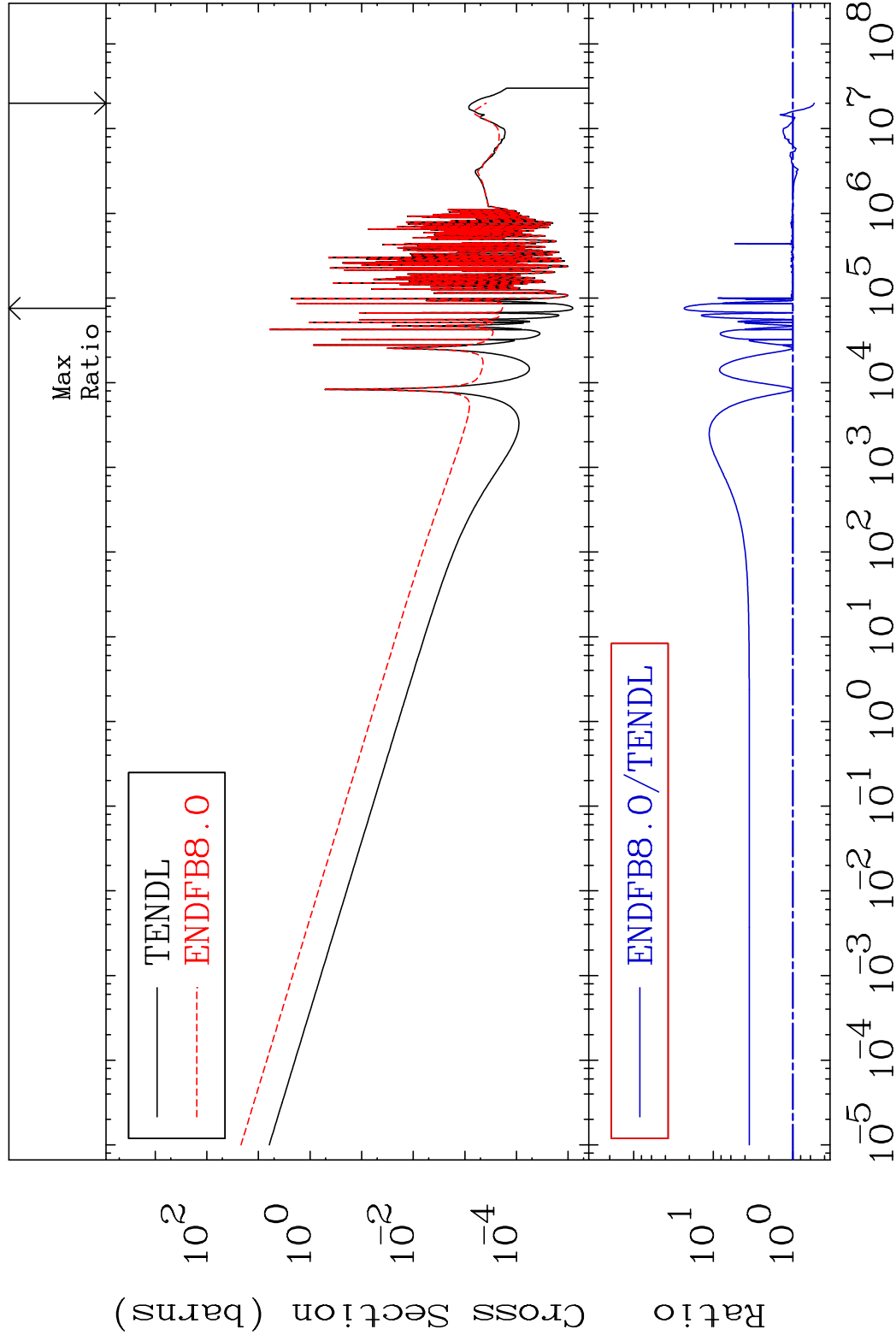
17-Cl-37

MAT 1731

(n, γ)

17-C1-37

Cross Section -46.21 To 2230. %



37

Incident Energy (eV)

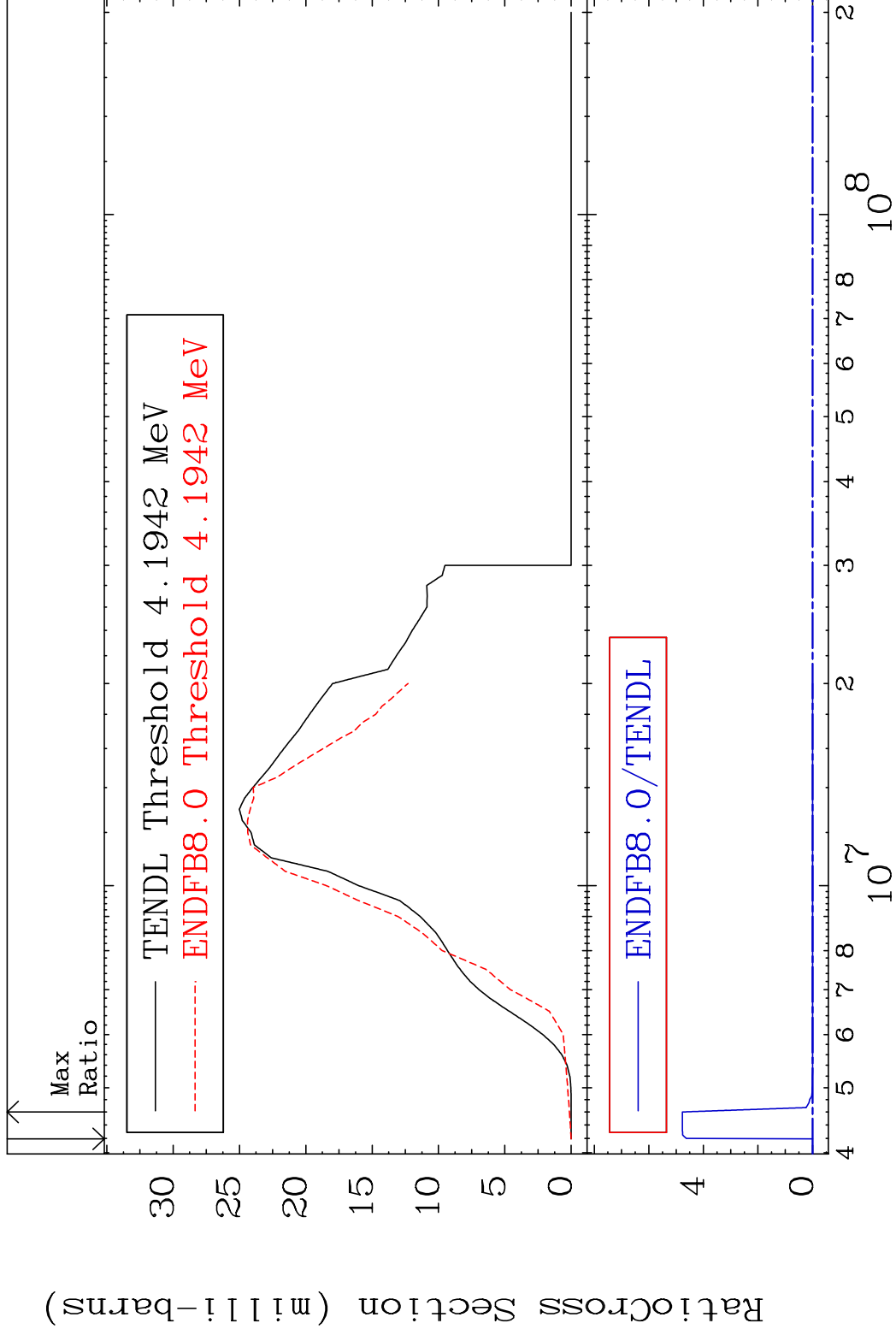
17-C1-37

MAT 1731

(n,p)

17-Cl-37

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

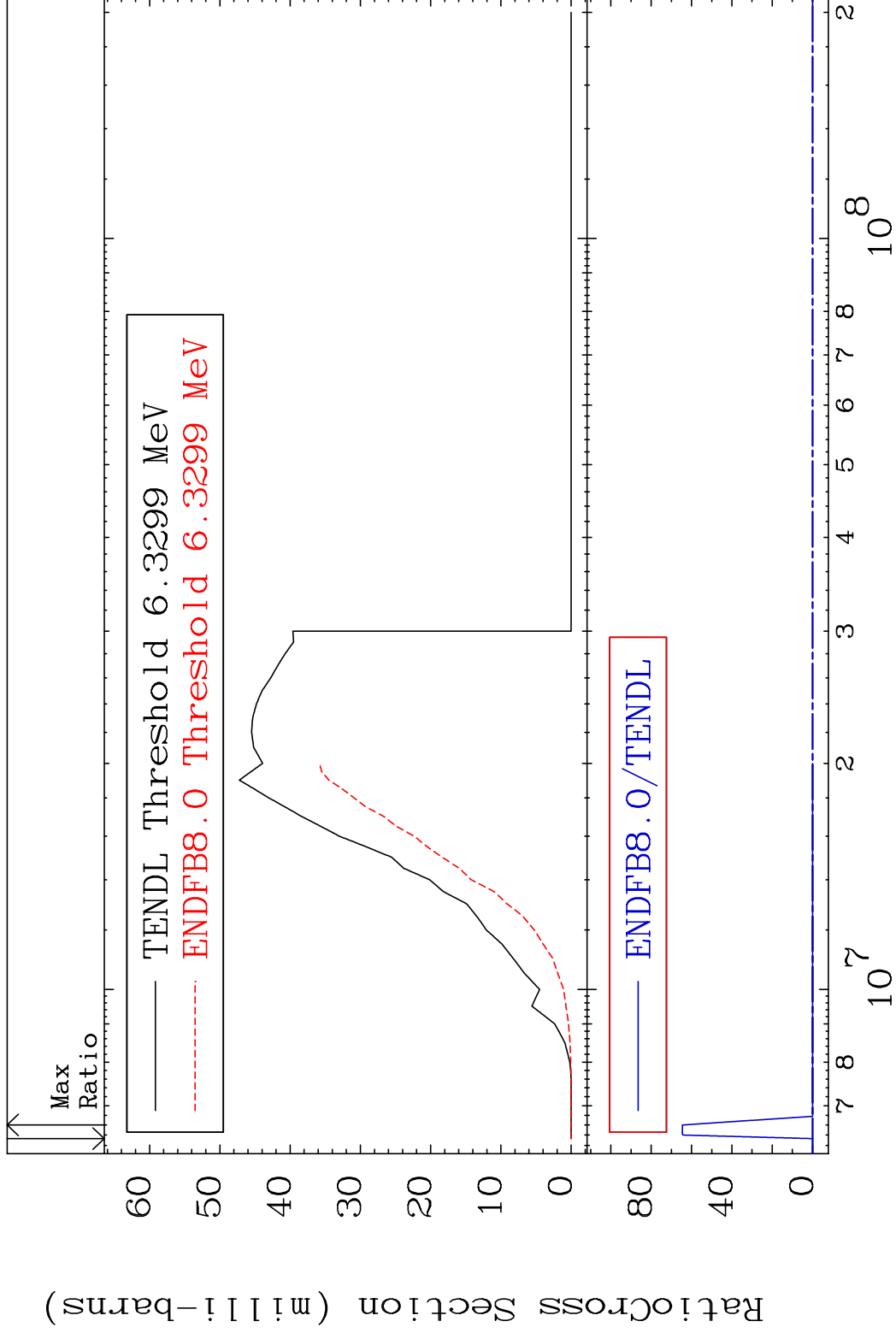
17-Cl-37

MAT 1731

(n,d)

17-Cl-37

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

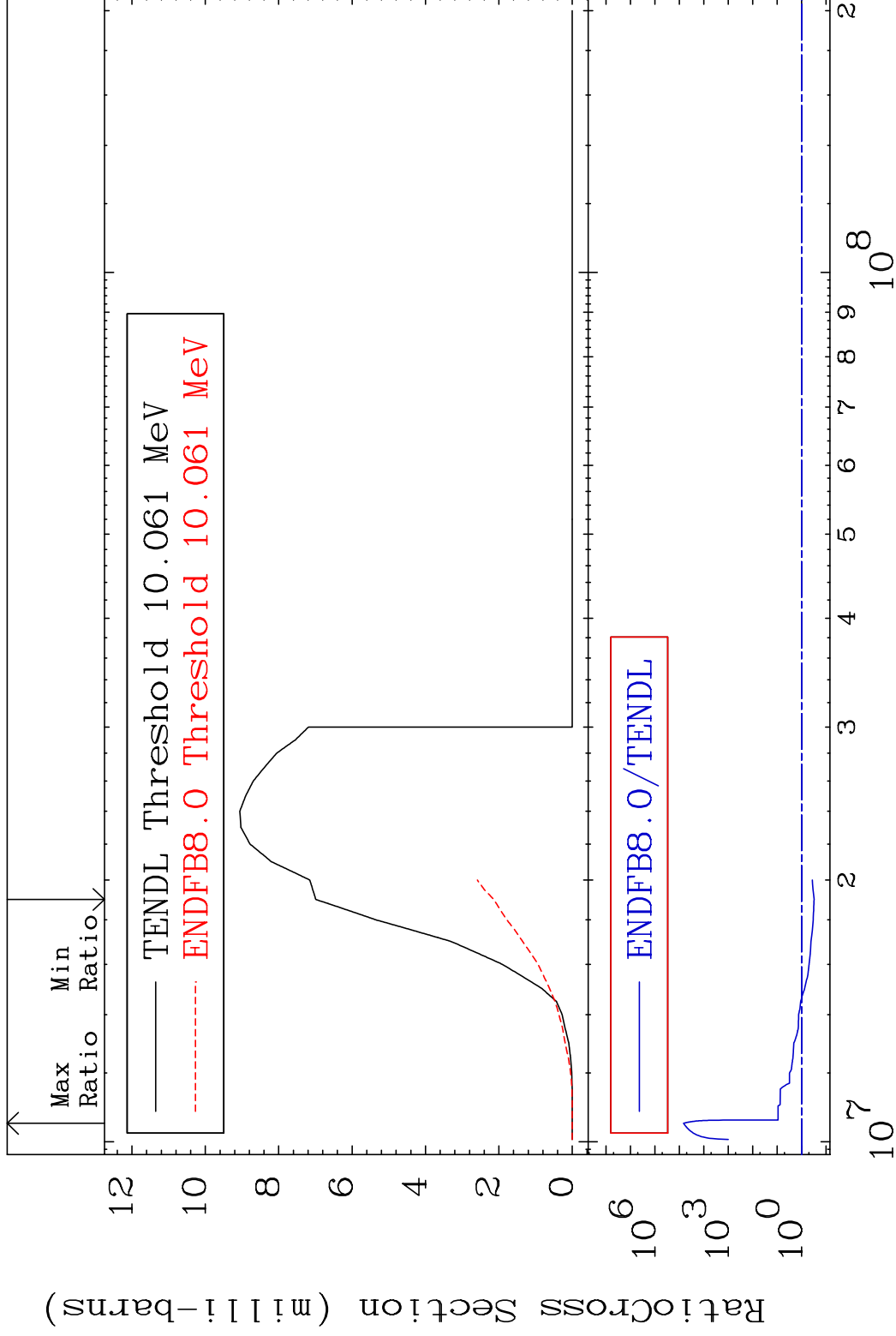
17-Cl-37

MAT 1731

(n, t)

17-Cl-37

Cross Section -69.40 To 9999. %



40

Incident Energy (eV)

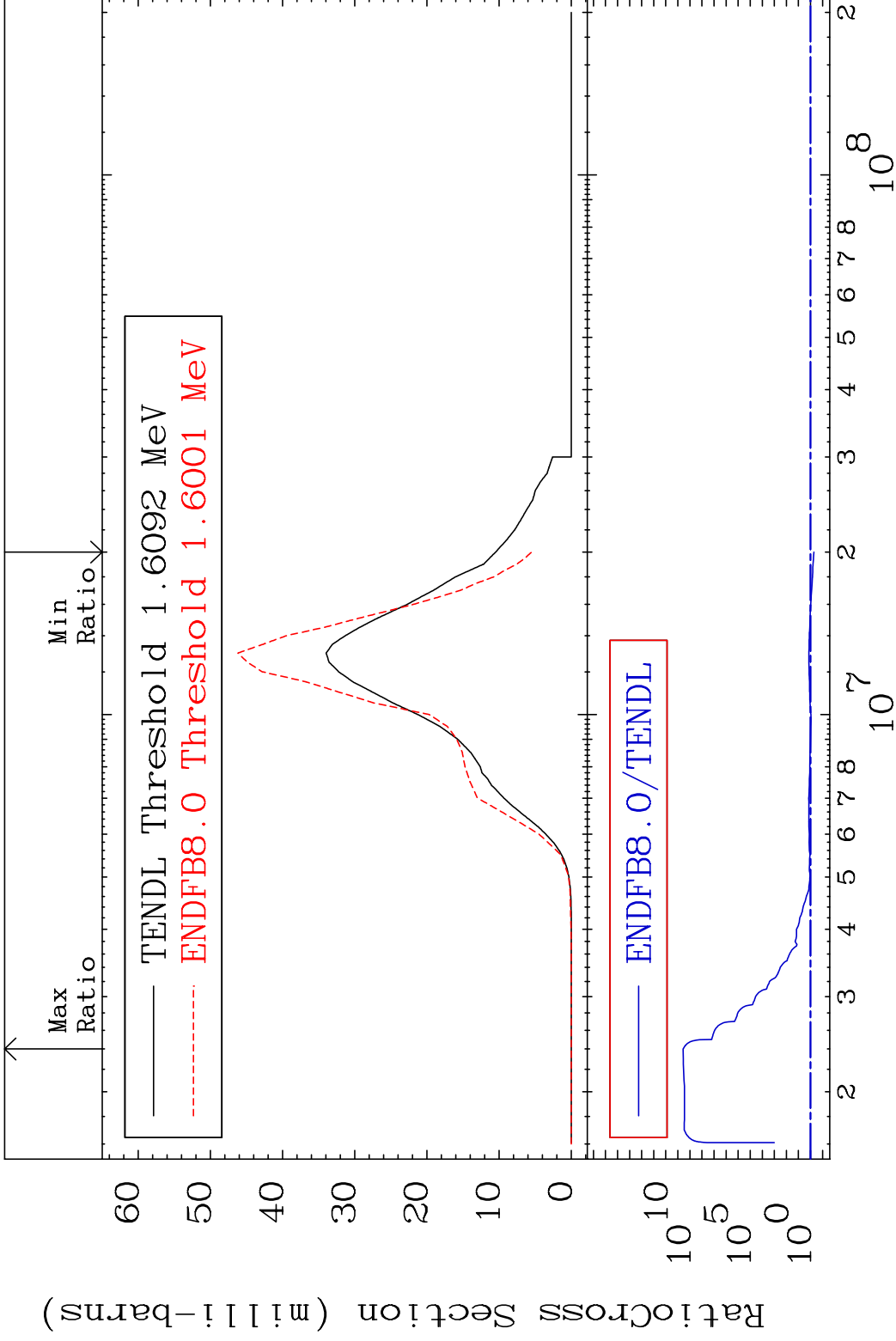
17-Cl-37

MAT 1731

(n, α)

17-Cl-37

Cross Section -47.47 To 9999. %



41

Incident Energy (eV)

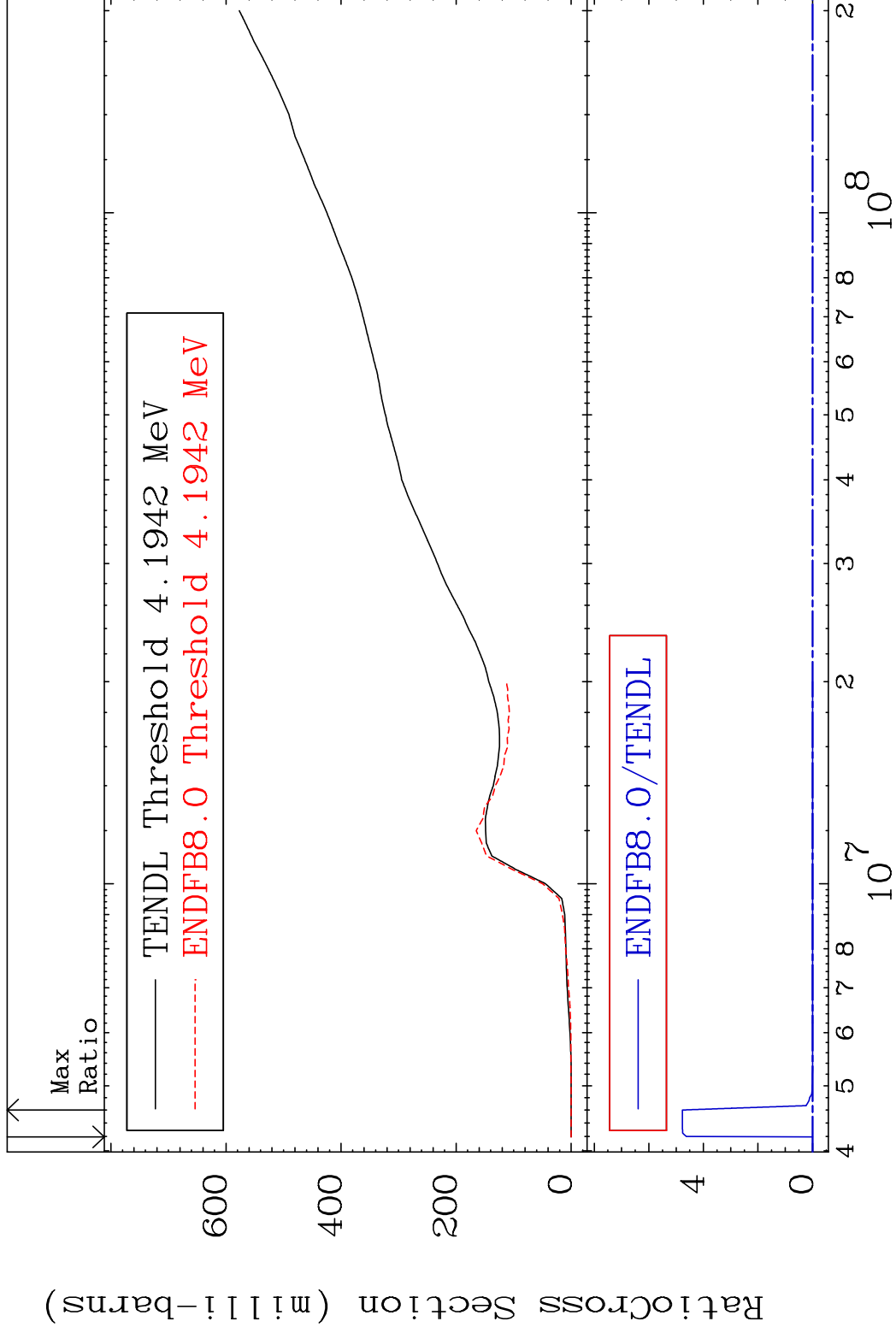
17-Cl-37

MAT 1731

Hydrogen Production

17-Cl-37

Cross Section -100.0 To 9999. %

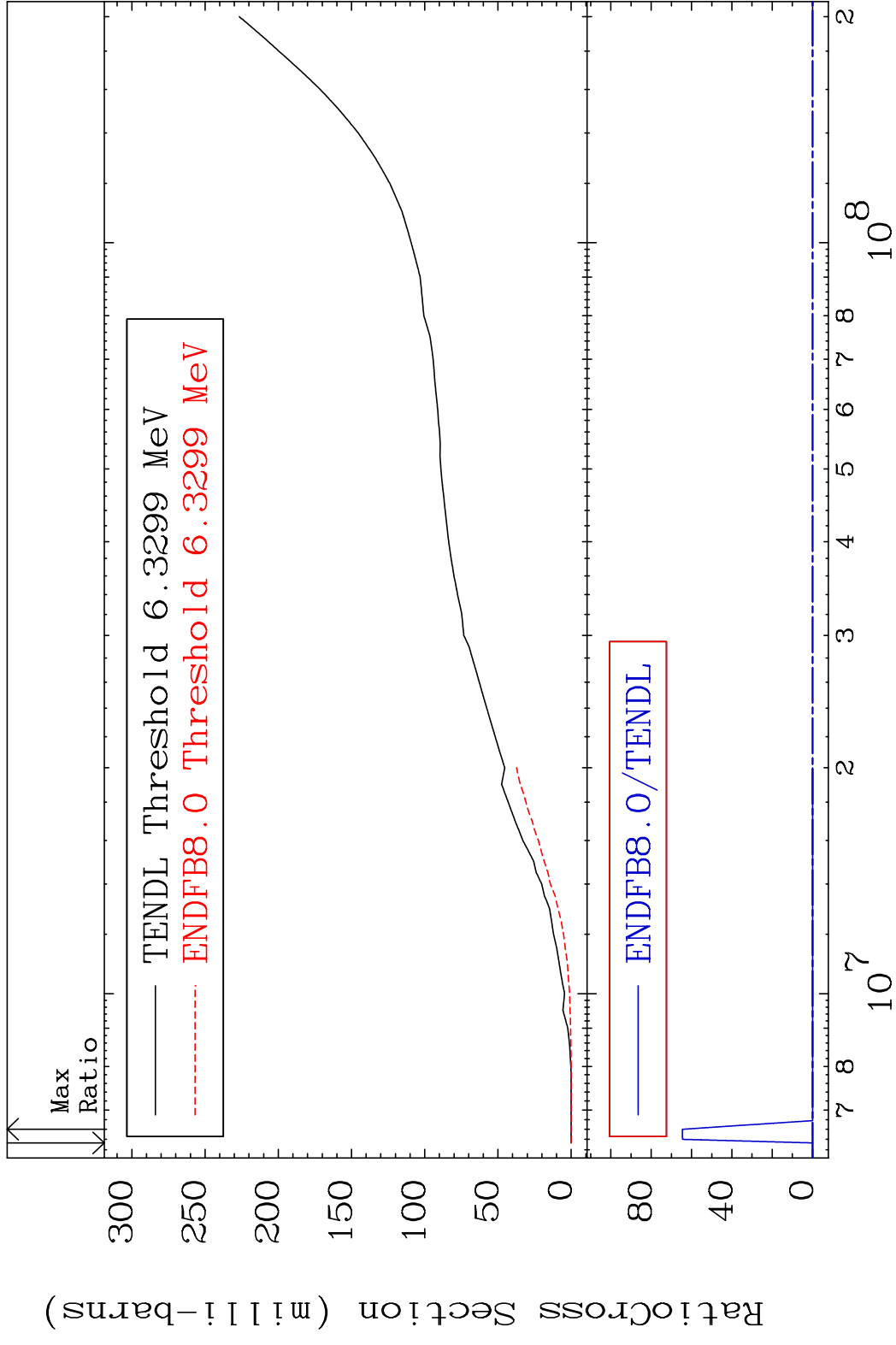


42

Incident Energy (eV)

17-Cl-37

MAT 1731 Deuterium Production 17-Cl-37
 Cross Section -100.0 To 9999. %



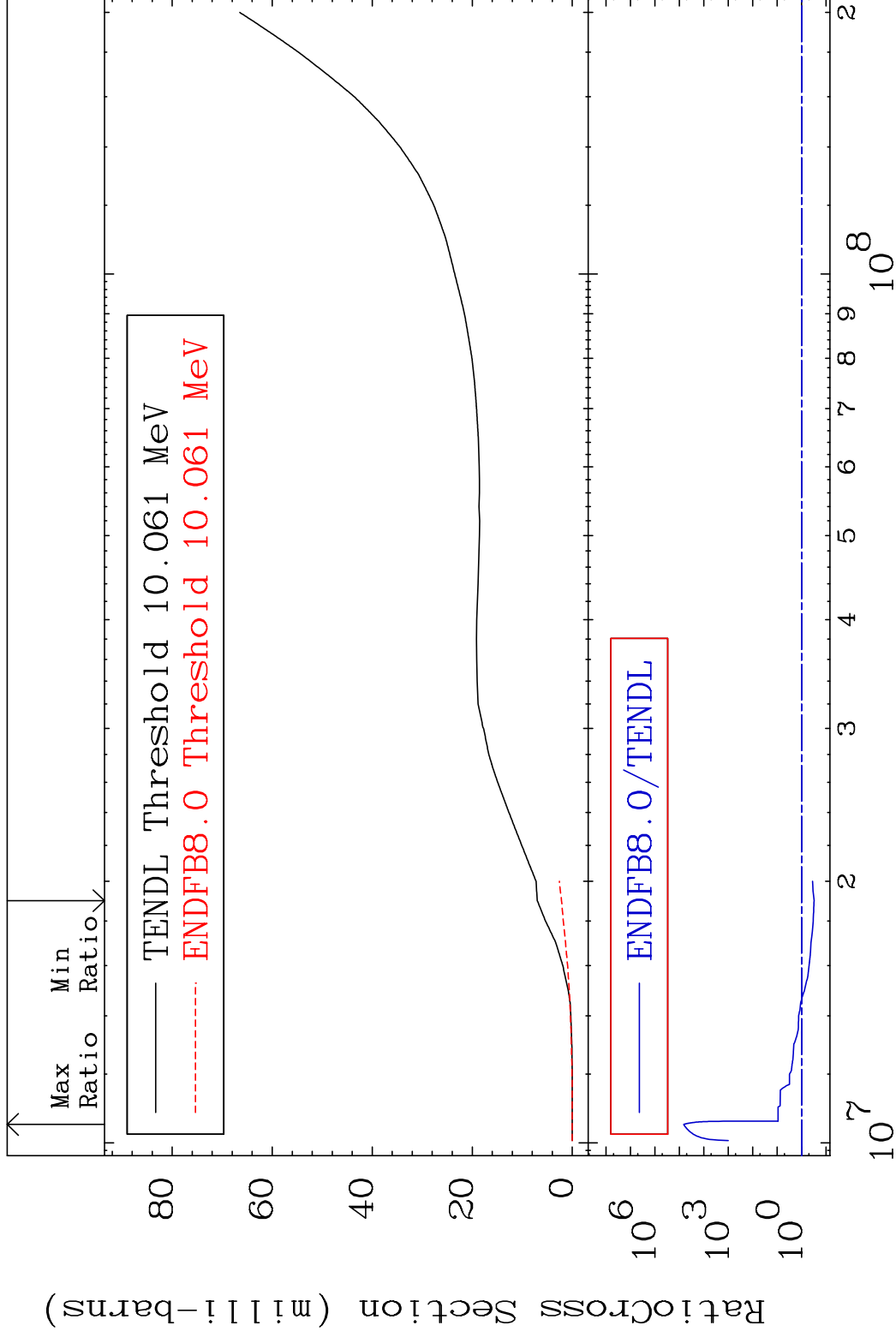
43 Incident Energy (eV) 17-Cl-37

MAT 1731

Tritium Production

17-Cl-37

Cross Section -69.41 To 9999. %



44

Incident Energy (eV)

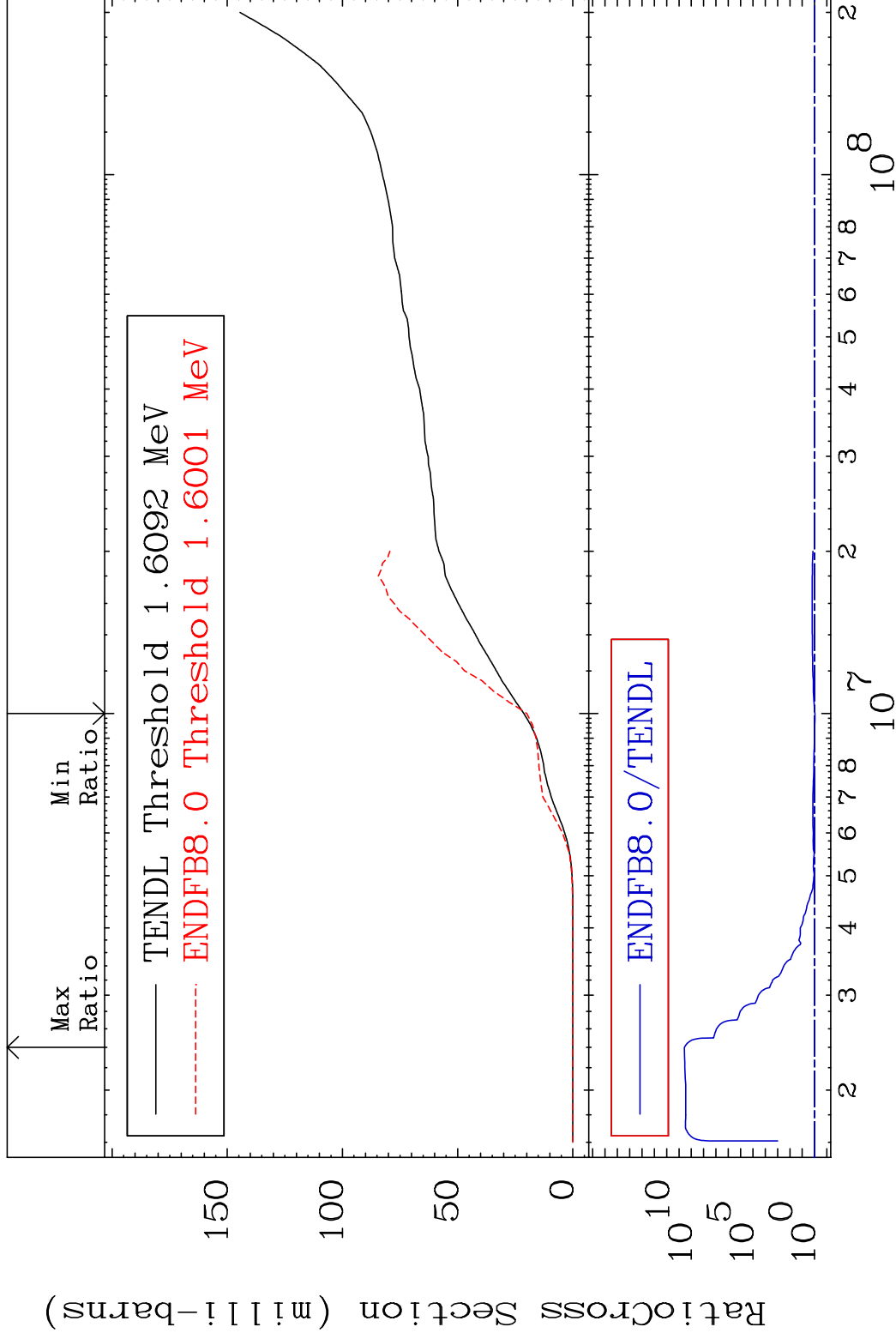
17-Cl-37

MAT 1731

He-4 Production

17-C1-37

Cross Section -5.962 To 9999. %

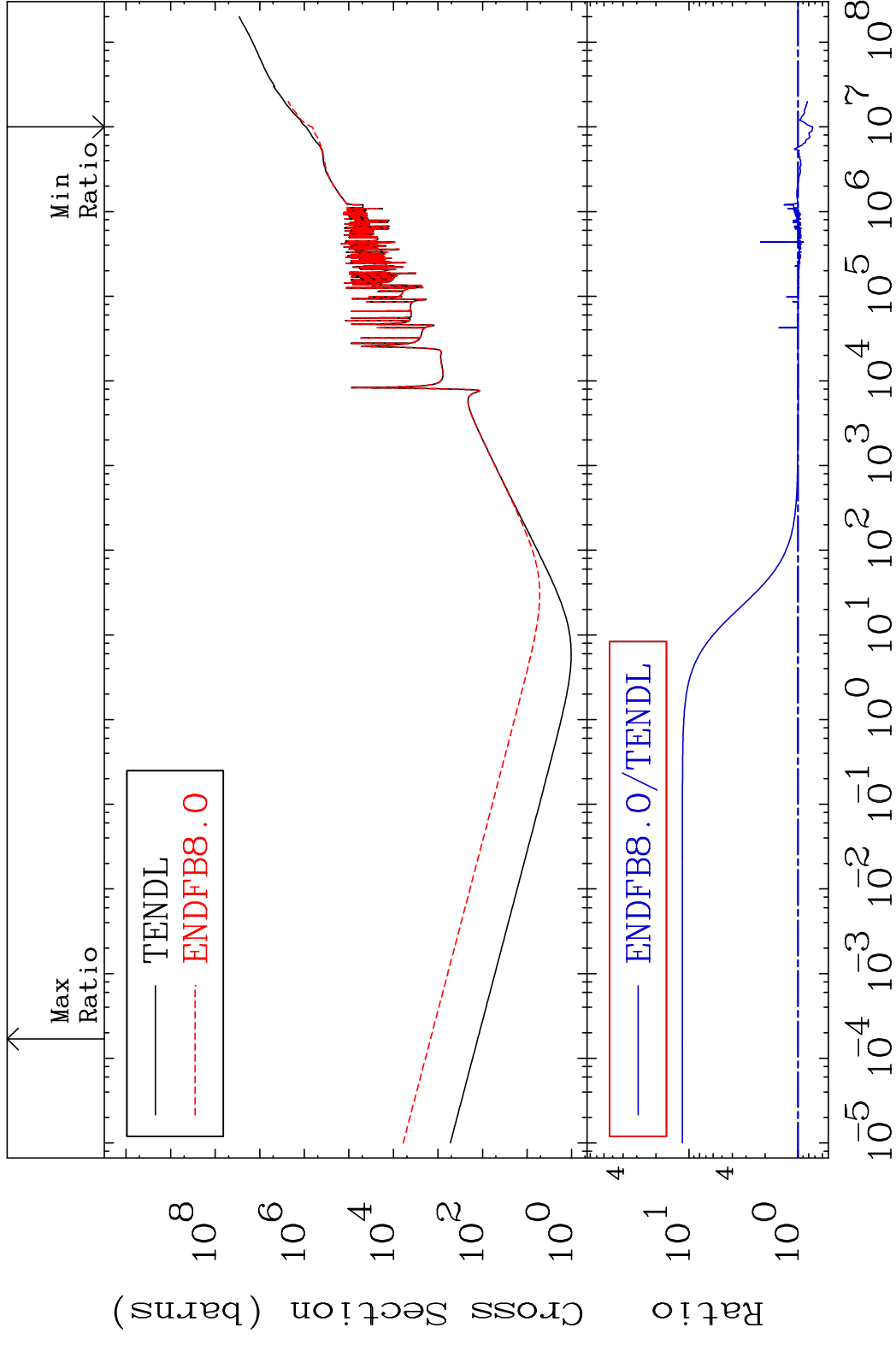


45

Incident Energy (eV)

17-C1-37

MAT 1731 Kerma total (eV-barns) 17-C1-37
 Cross Section -26.30 To 1048. %

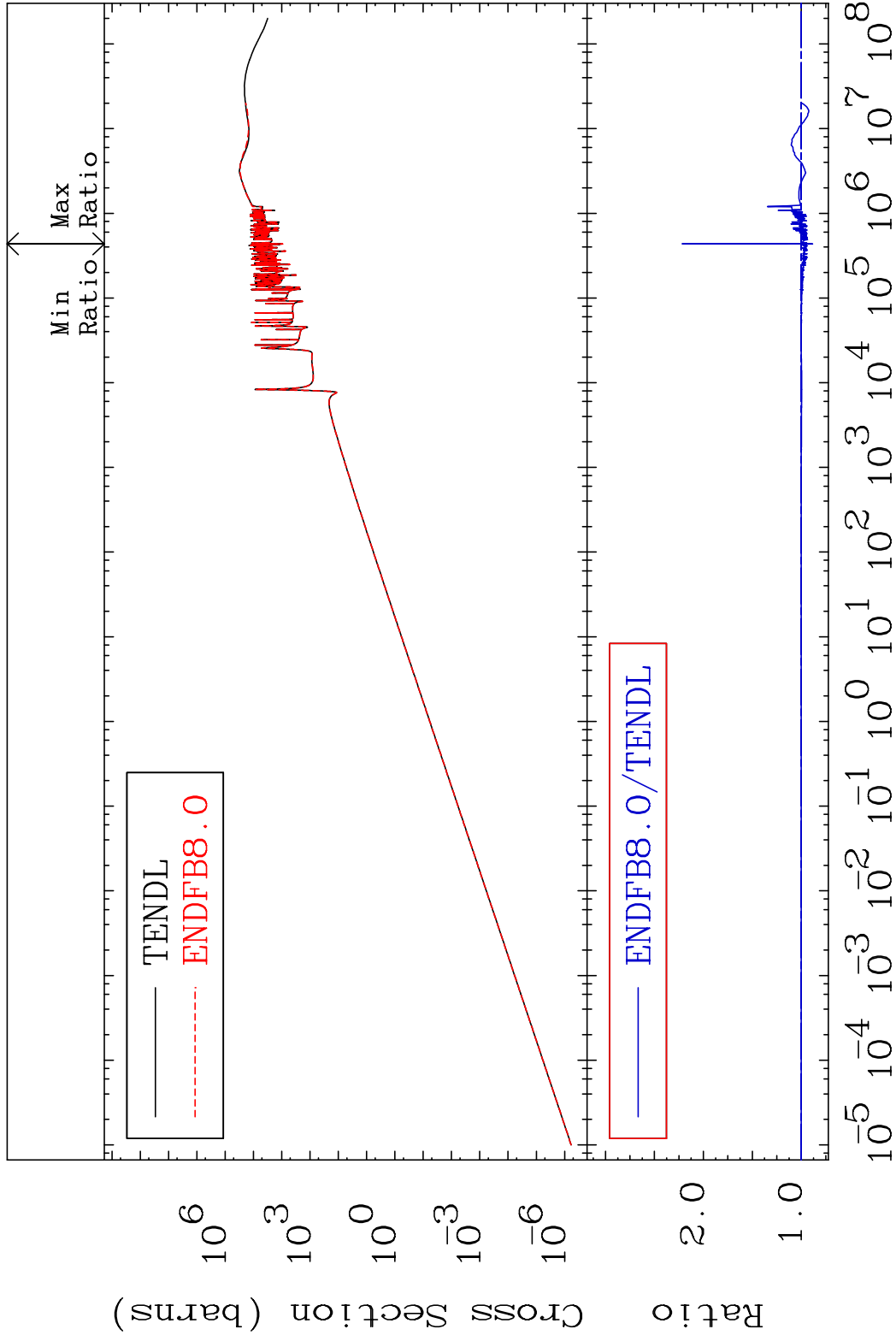


MAT 1731

Kerma elastic

17-C1-37

Cross Section -11.54 To 121.5 %

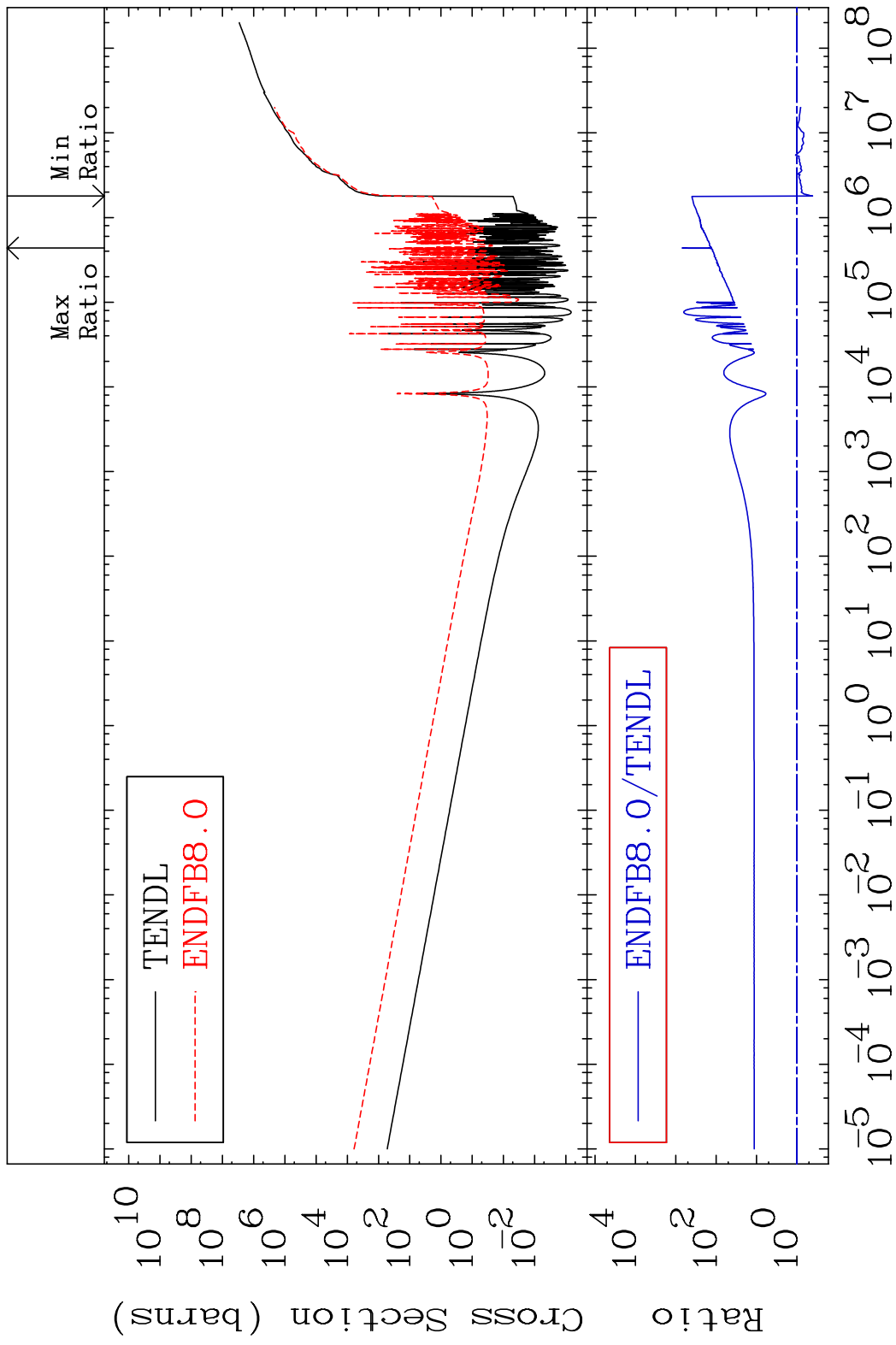


47

Incident Energy (eV)

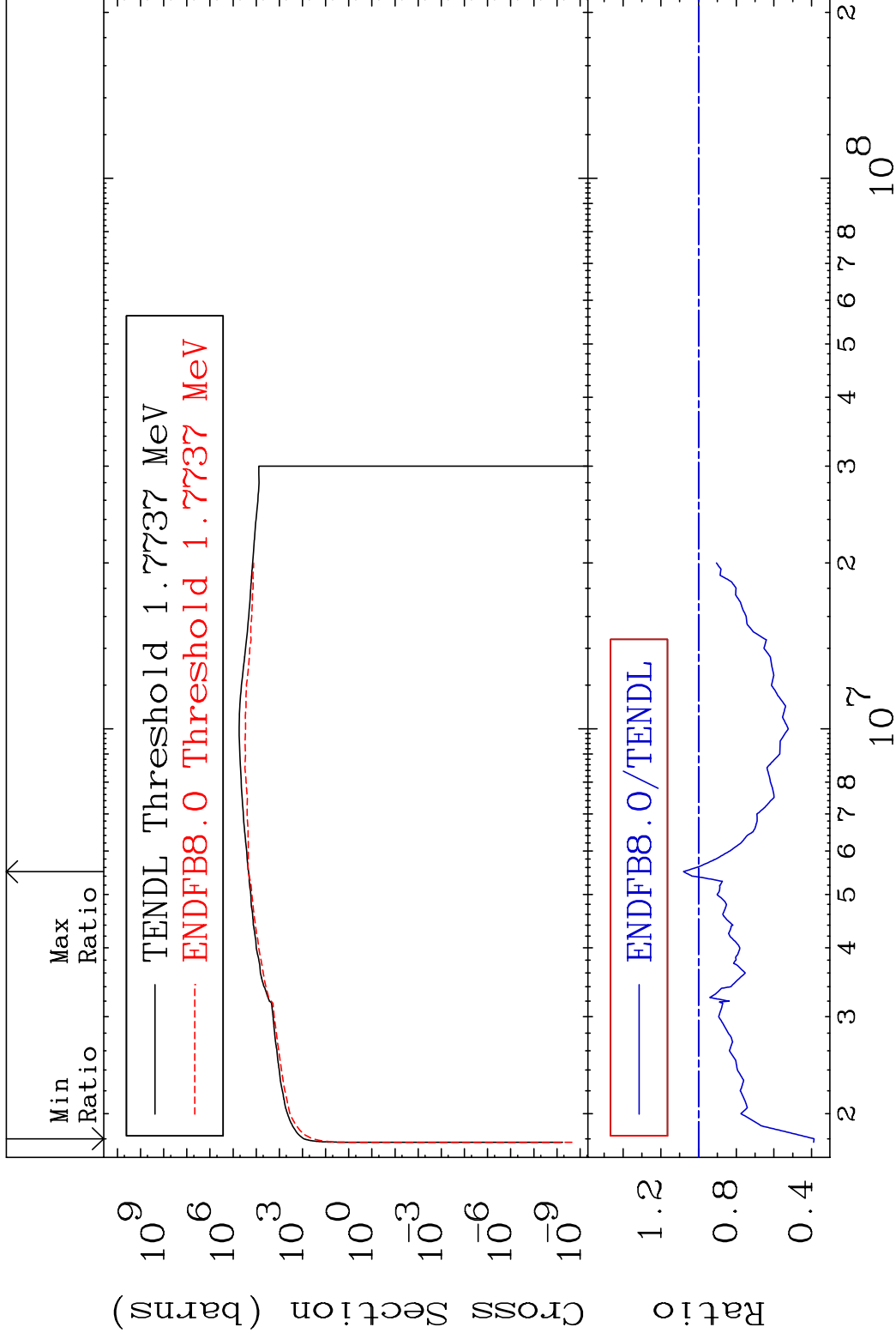
17-C1-37

MAT 1731 Kerma non-elastic (all but mt2) 17-Cl-37
 Cross Section -59.04 To 9999. %



MAT 1731

Kerma inelastic (mt51-91) 17-Cl-37
Cross Section -61.28 To 7.984 %

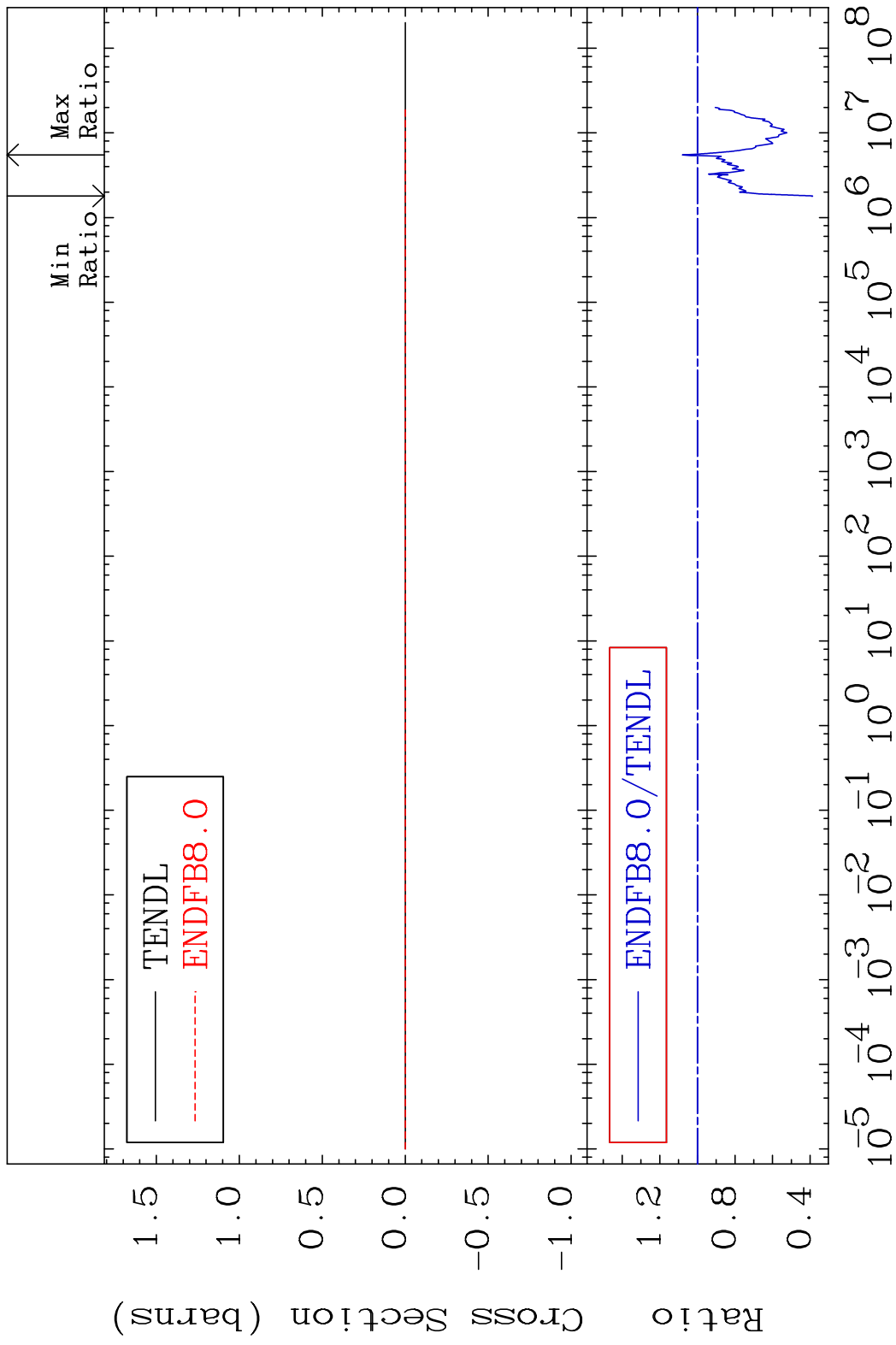


49

Incident Energy (eV)

17-Cl-37

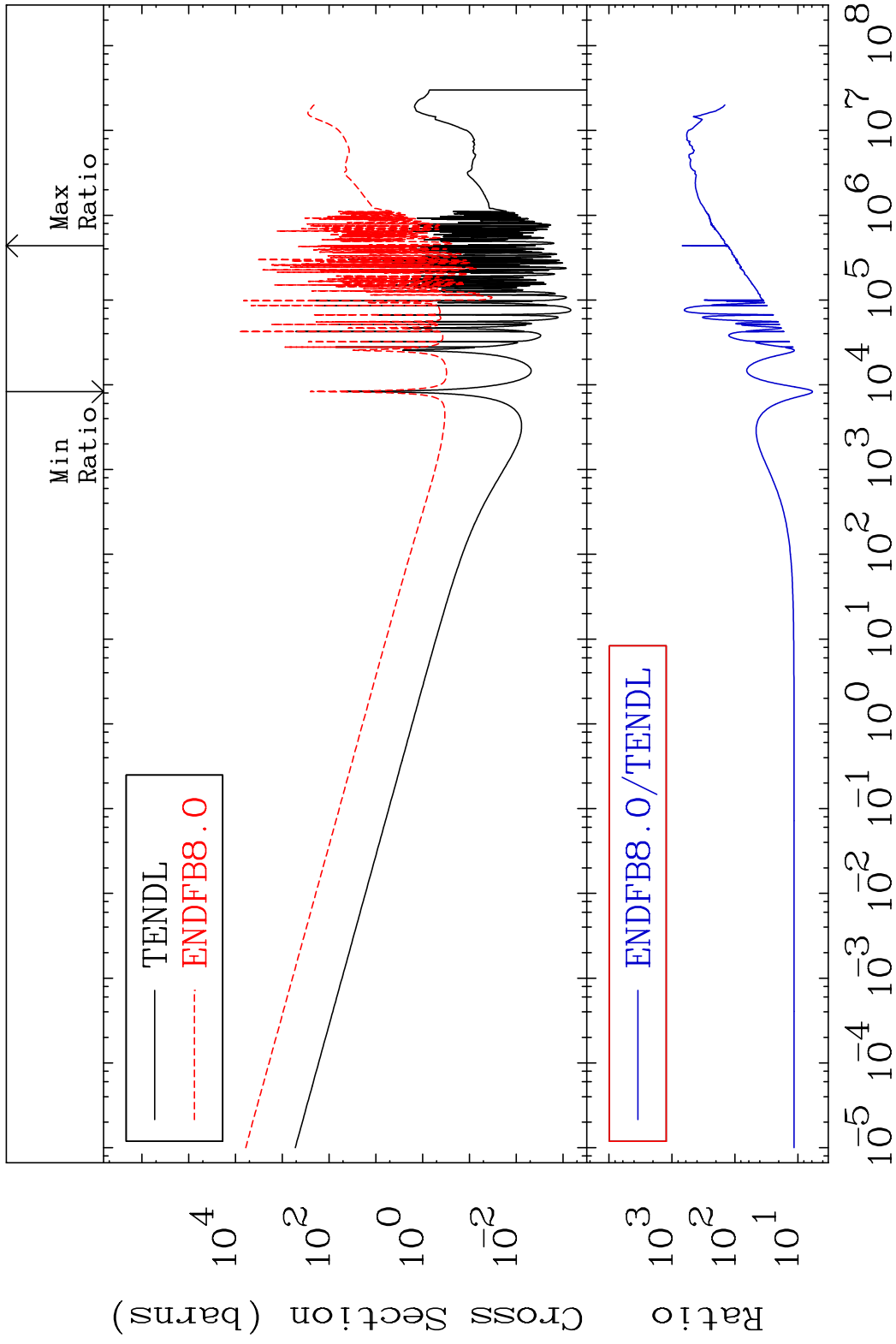
MAT 1731 Kerma fission (mt18 or mt19-20-21-38) 17-C1-37
 Cross Section -61.28 To 7.984 %



MAT 1731

Kerma capture (mt102) 17-Cl-37

Cross Section 484.8 To 9999. %

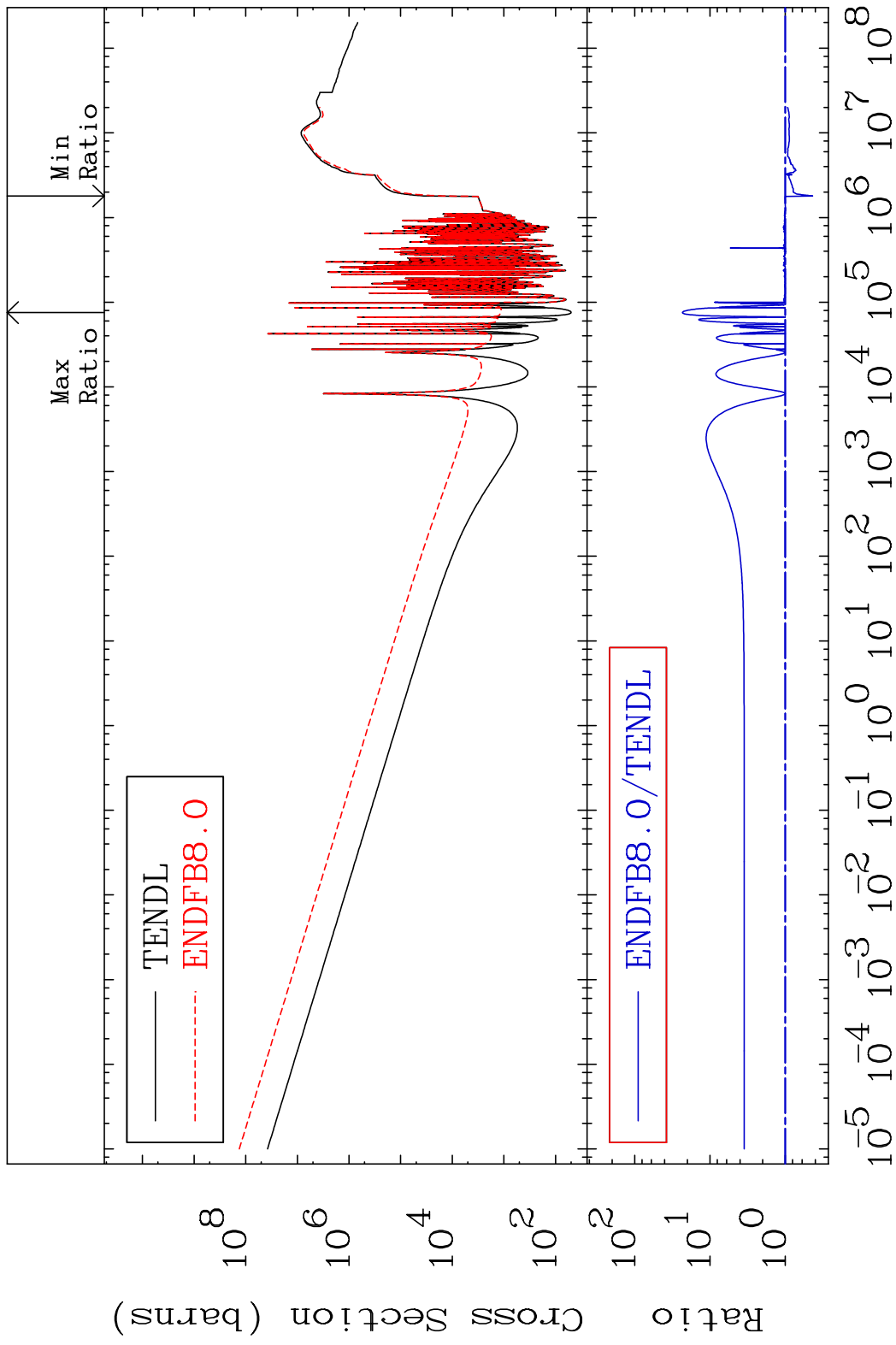


51

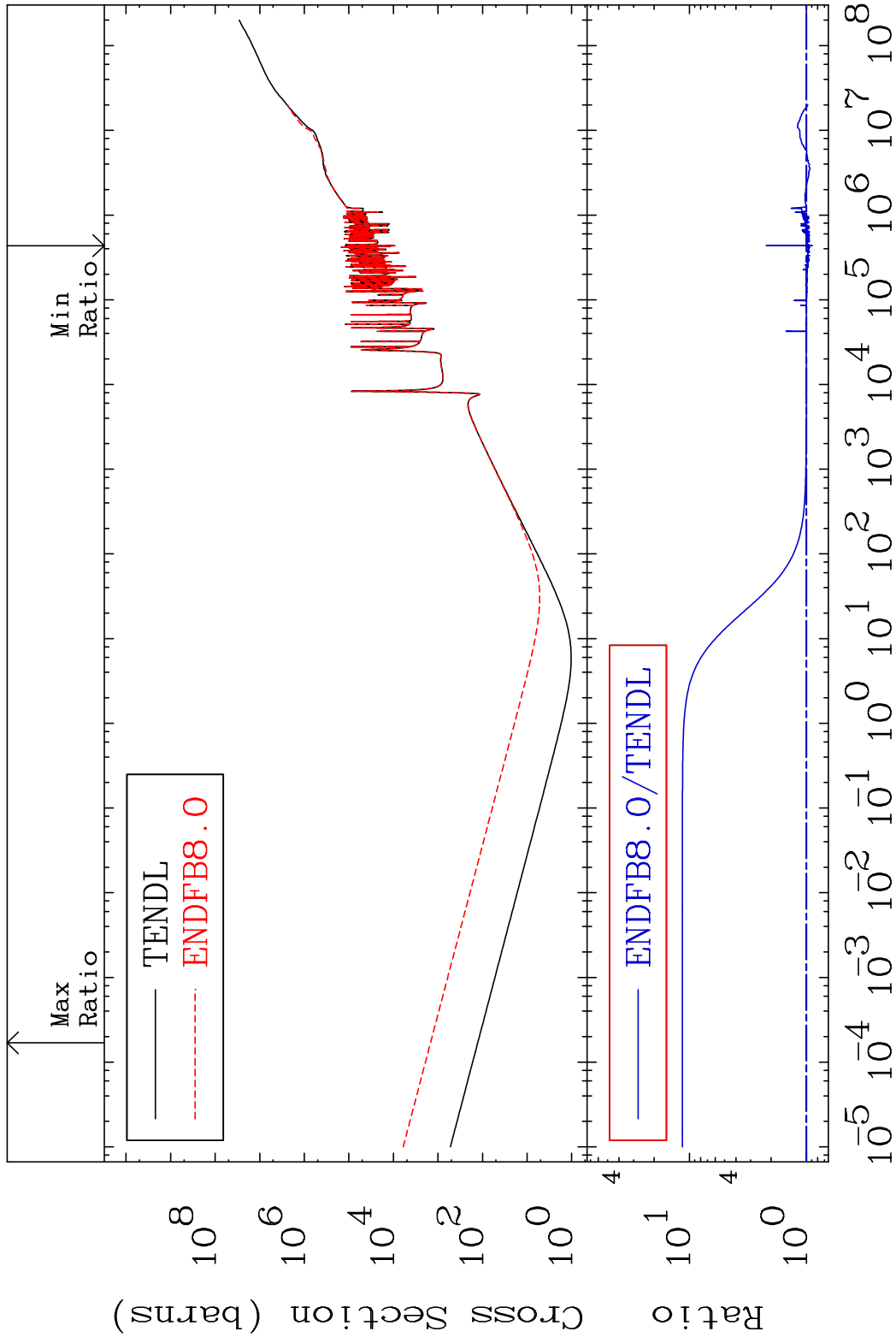
Incident Energy (eV)

17-Cl-37

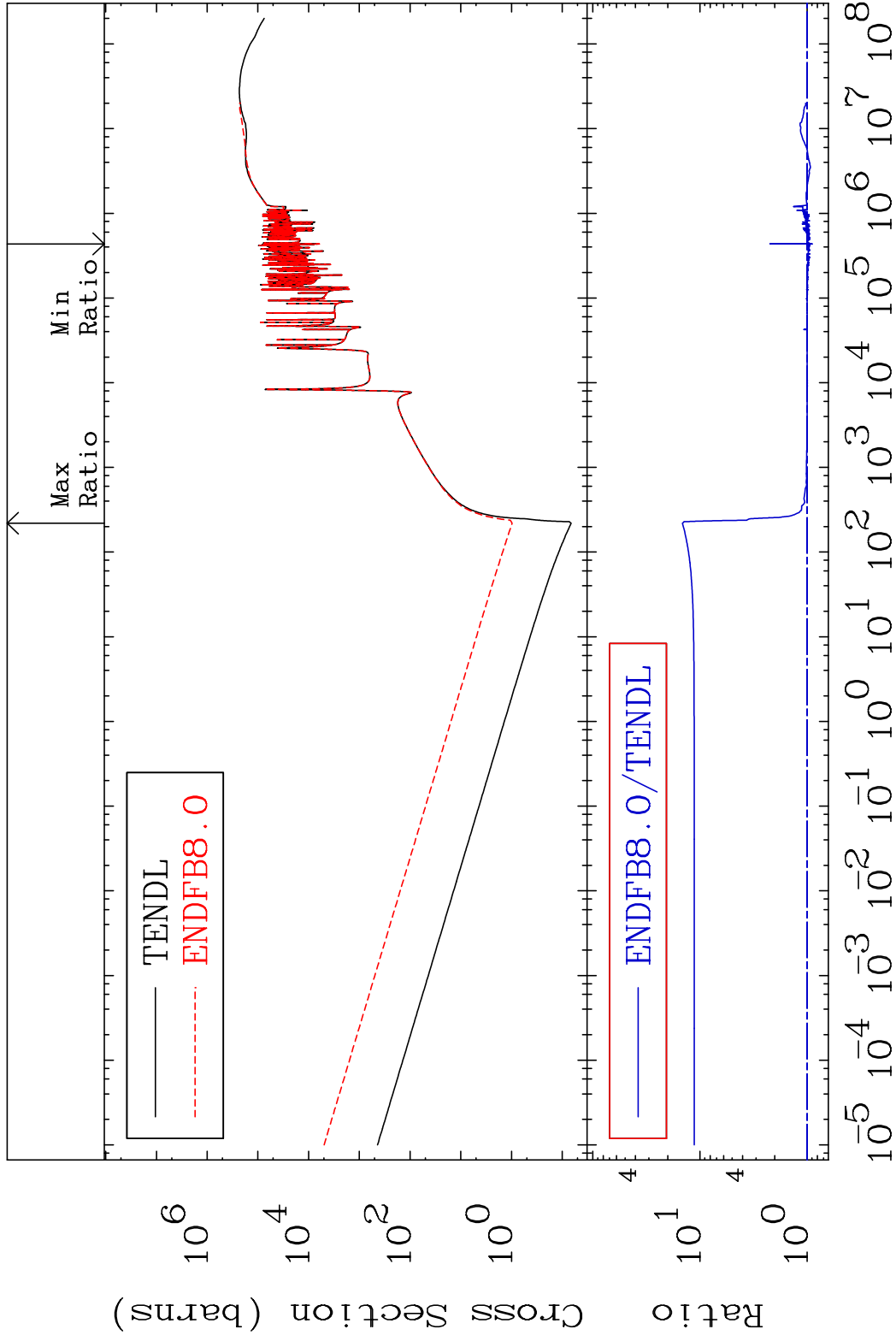
MAT 1731 Total photon (eV-barns) 17-Cl-37
 Cross Section -56.54 To 2231. %



MAT 1731 Total kinematic kerma (high limit) 17-C1-37
 Cross Section -11.51 To 1048. %



Cross Section -11.16 To 1359. %

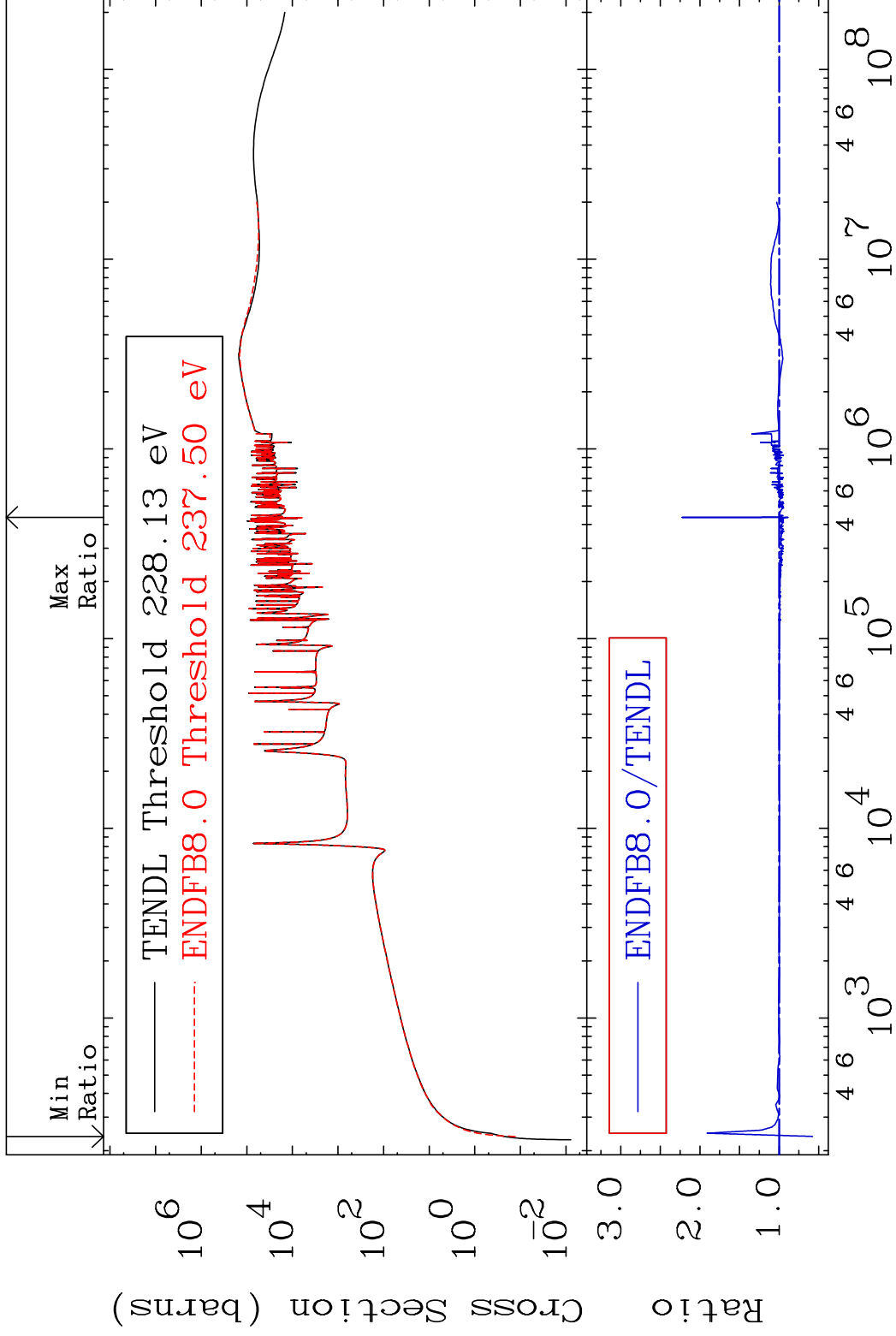


MAT 1731

Dpa elastic (mt2)

17-C1-37

Cross Section -42.10 To 122.4 %

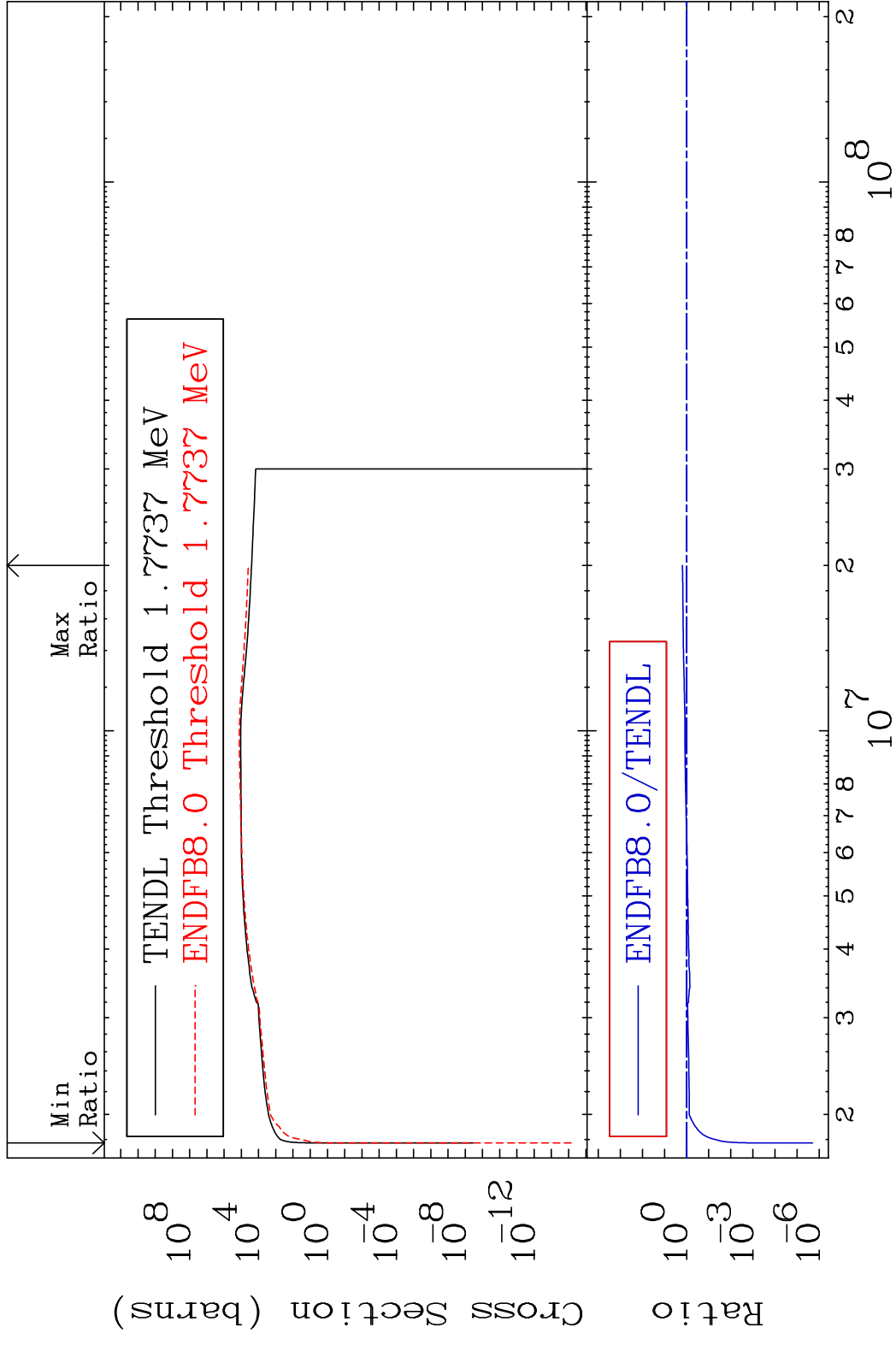


55

Incident Energy (eV)

17-C1-37

MAT 1731 Dpa inelastic (mt51-91) 17-C1-37
 Cross Section -100.0 To 56.26 %



MAT 1731 Dpa disappearance (mt102 -120) 17-Cl-37
 Cross Section -47.17 To 7515. %

