

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

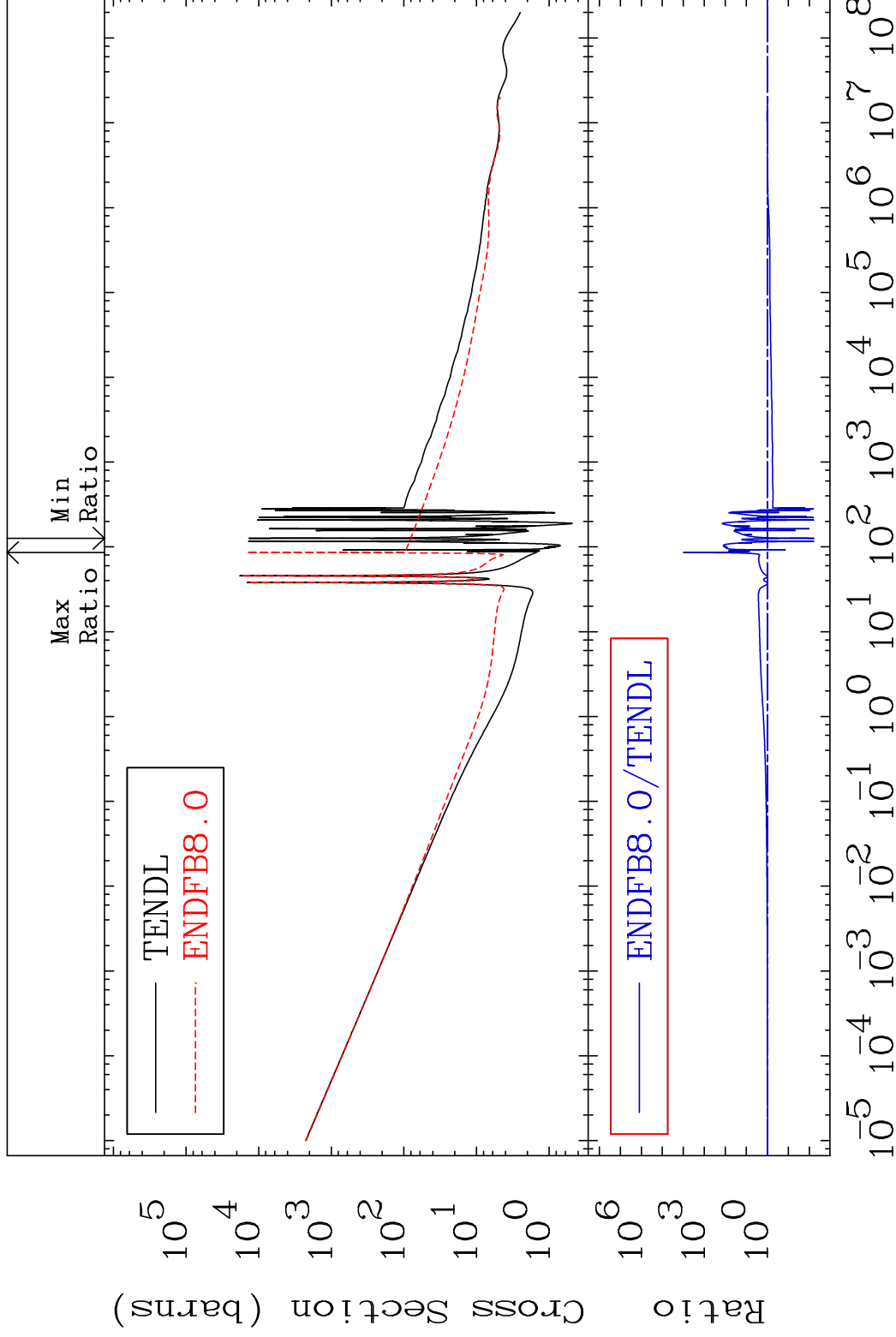
MAT 6631

Total

66-Dy-158

Cross Section

-99.41 To 9999. %



1

Incident Energy (eV)

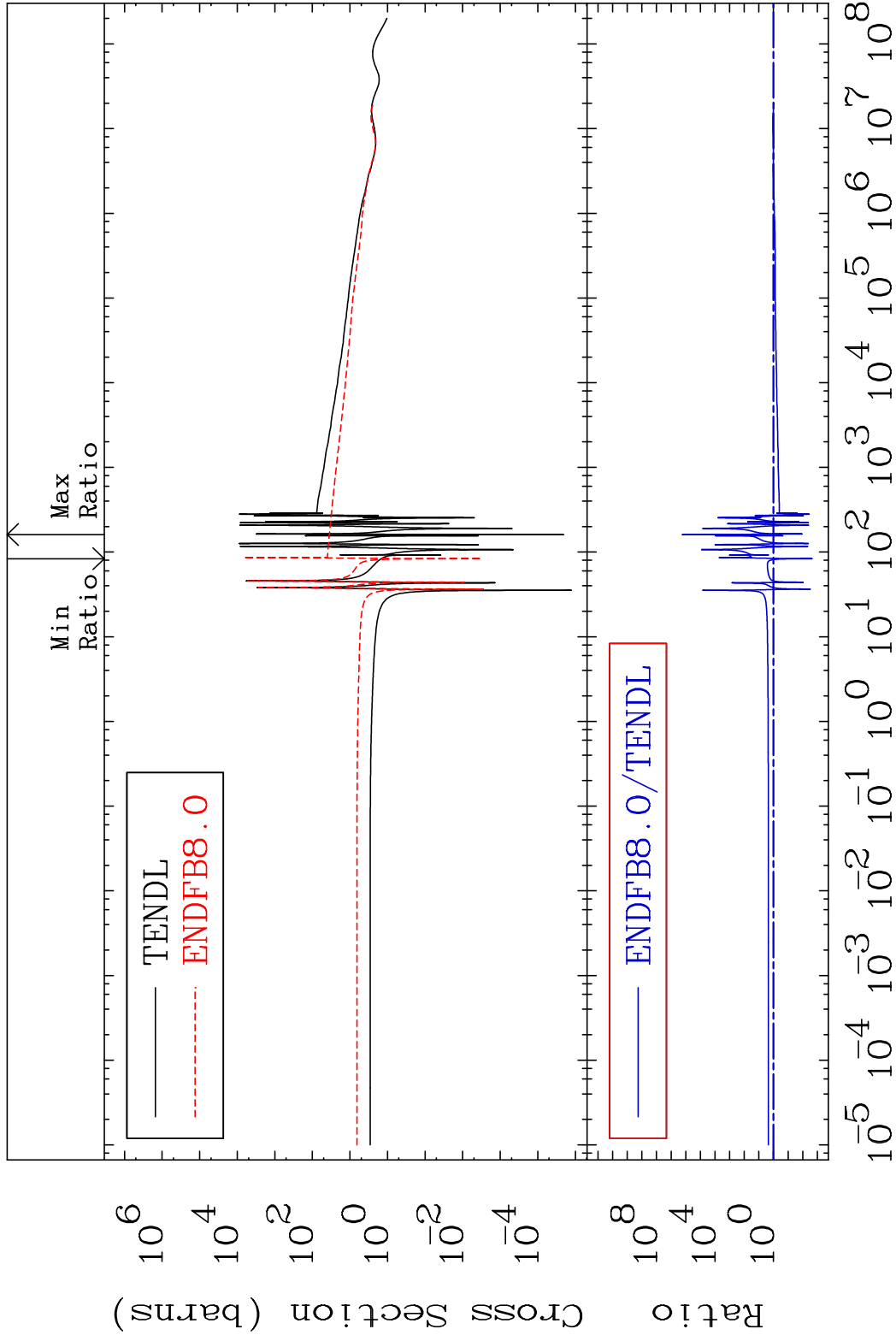
66-Dy-158

MAT 6631

Elastic

66-Dy-158

Cross Section -99.79 To 9999. %



2

Incident Energy (eV)

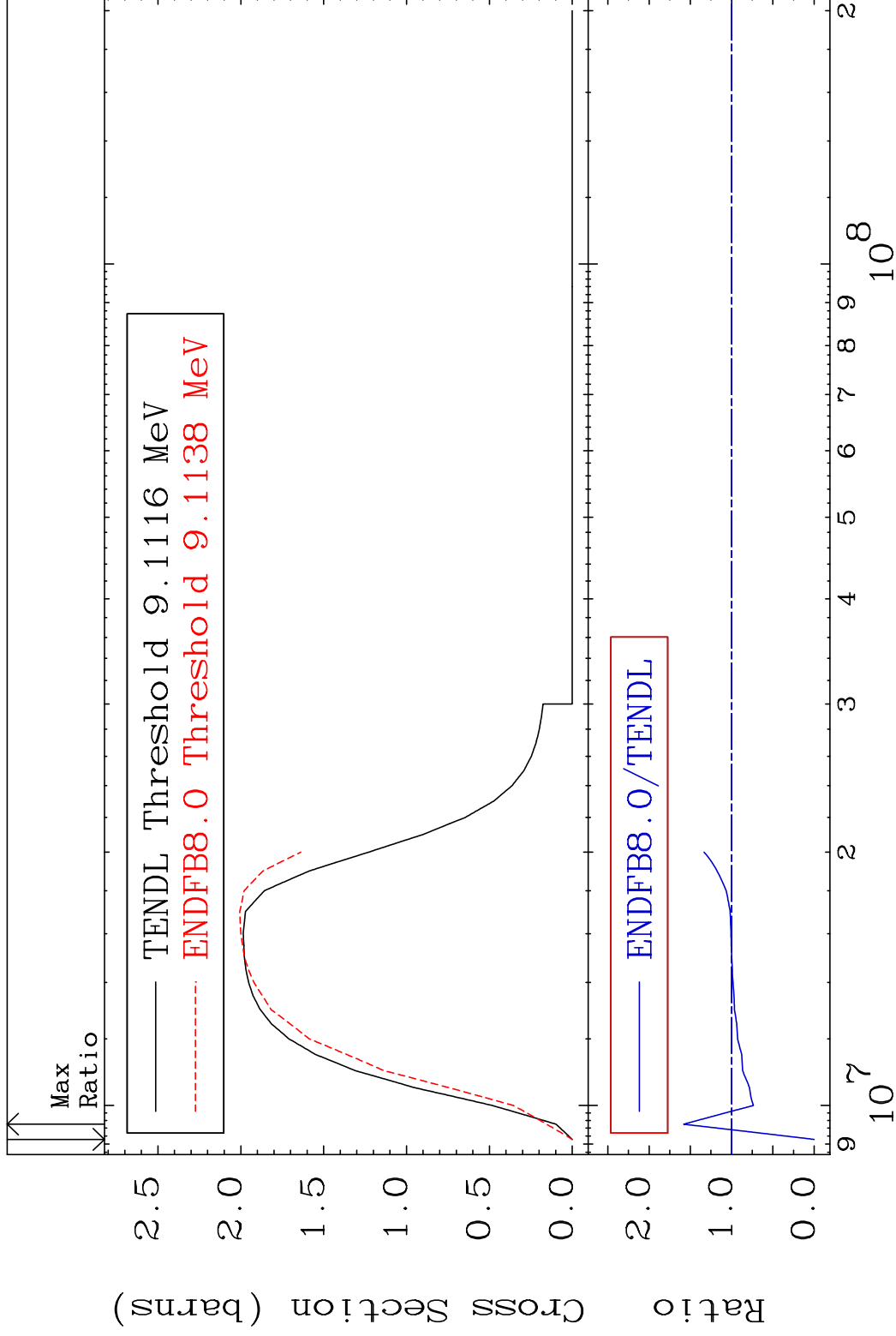
66-Dy-158

MAT 6631

(n,2n)

66-Dy-158

Cross Section -100.0 To 58.12 %



4

Incident Energy (eV)

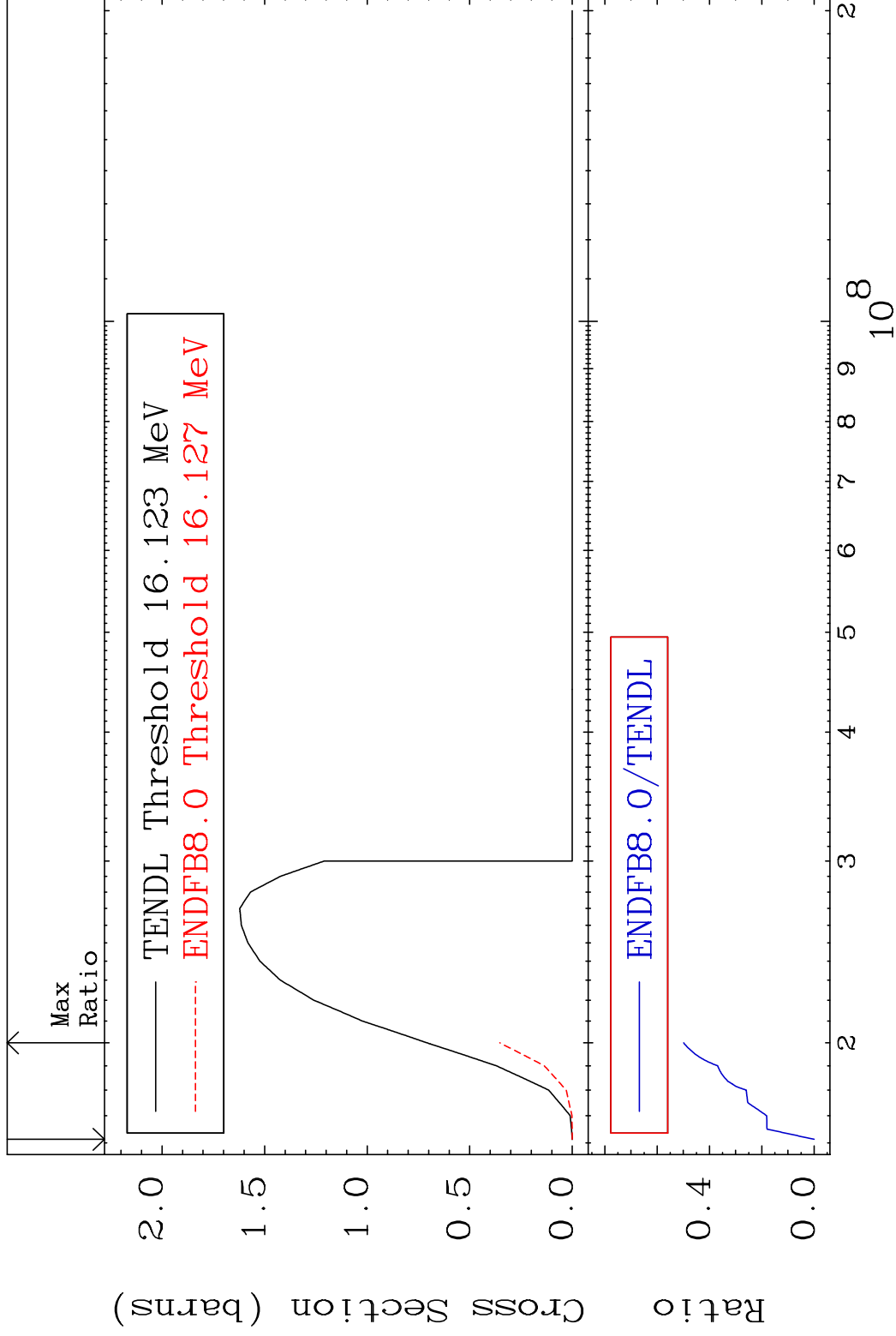
66-Dy-158

MAT 6631

(n,3n)

66-Dy-158

Cross Section -100.0 To -50.13%



5

Incident Energy (eV)

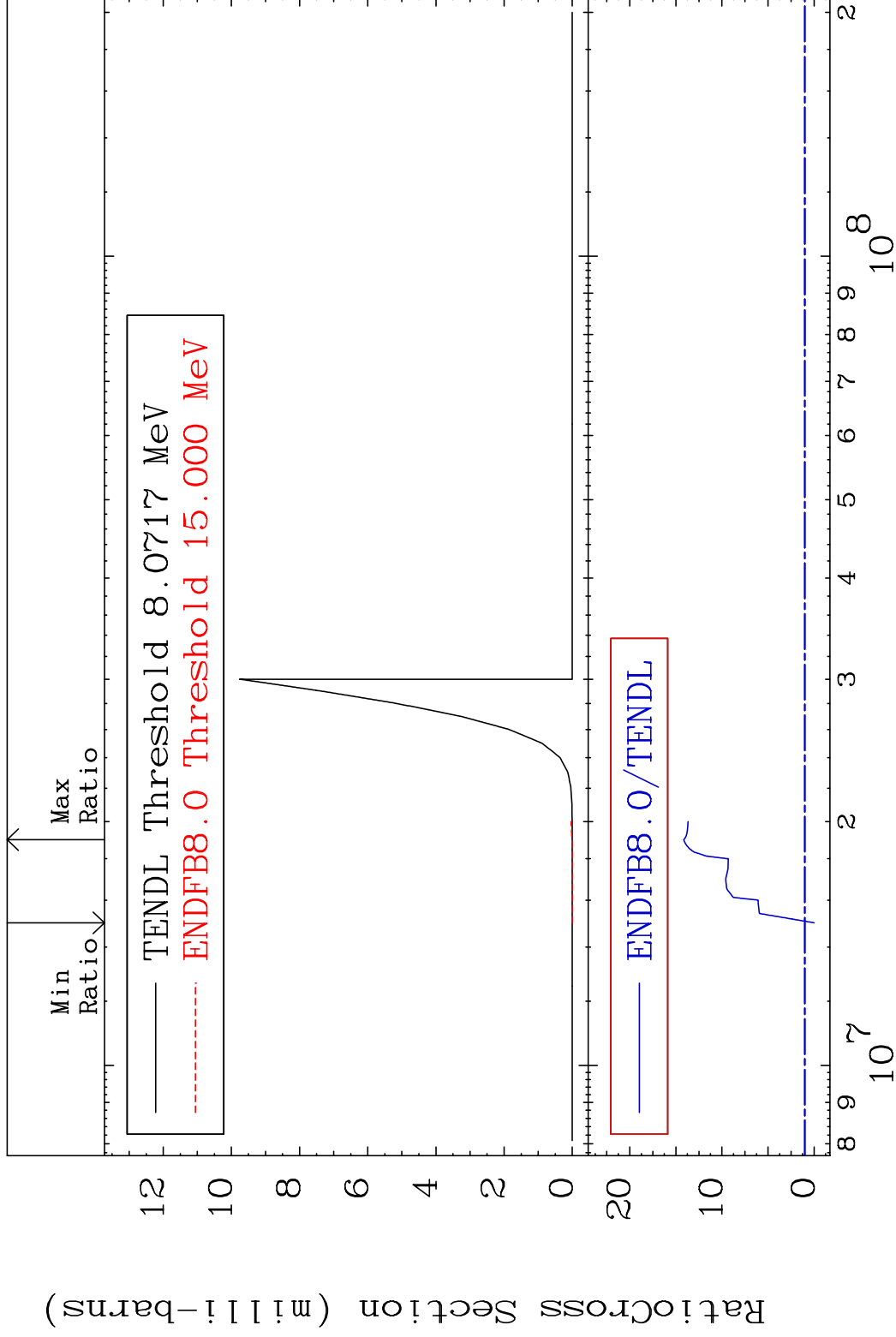
66-Dy-158

MAT 6631

(n,2n) α

66-Dy-158

Cross Section -100.0 To 1316. %



7

Incident Energy (eV)

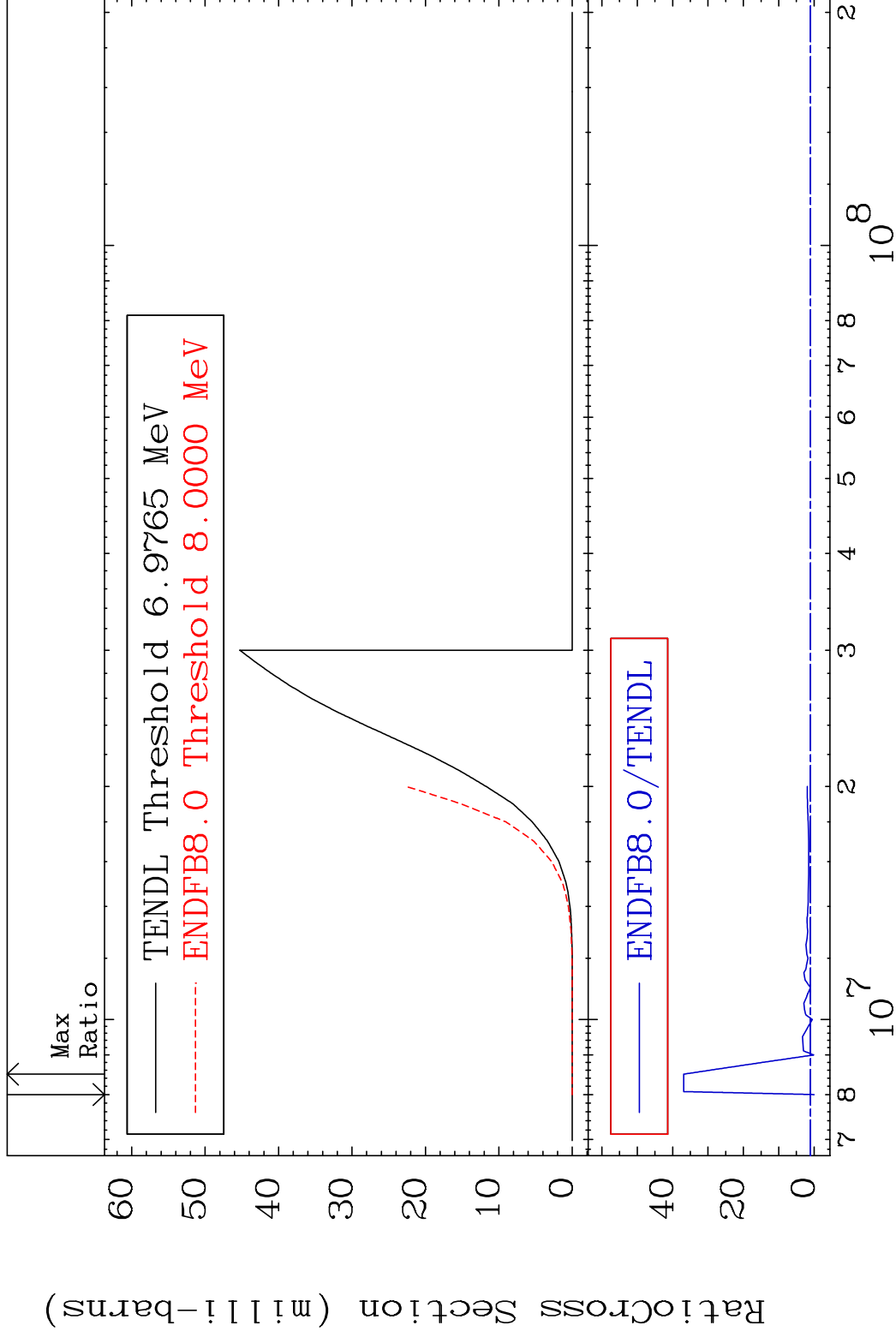
66-Dy-158

MAT 6631

(n, n') p

66-Dy-158

Cross Section -100.0 To 3588. %



8

Incident Energy (eV)

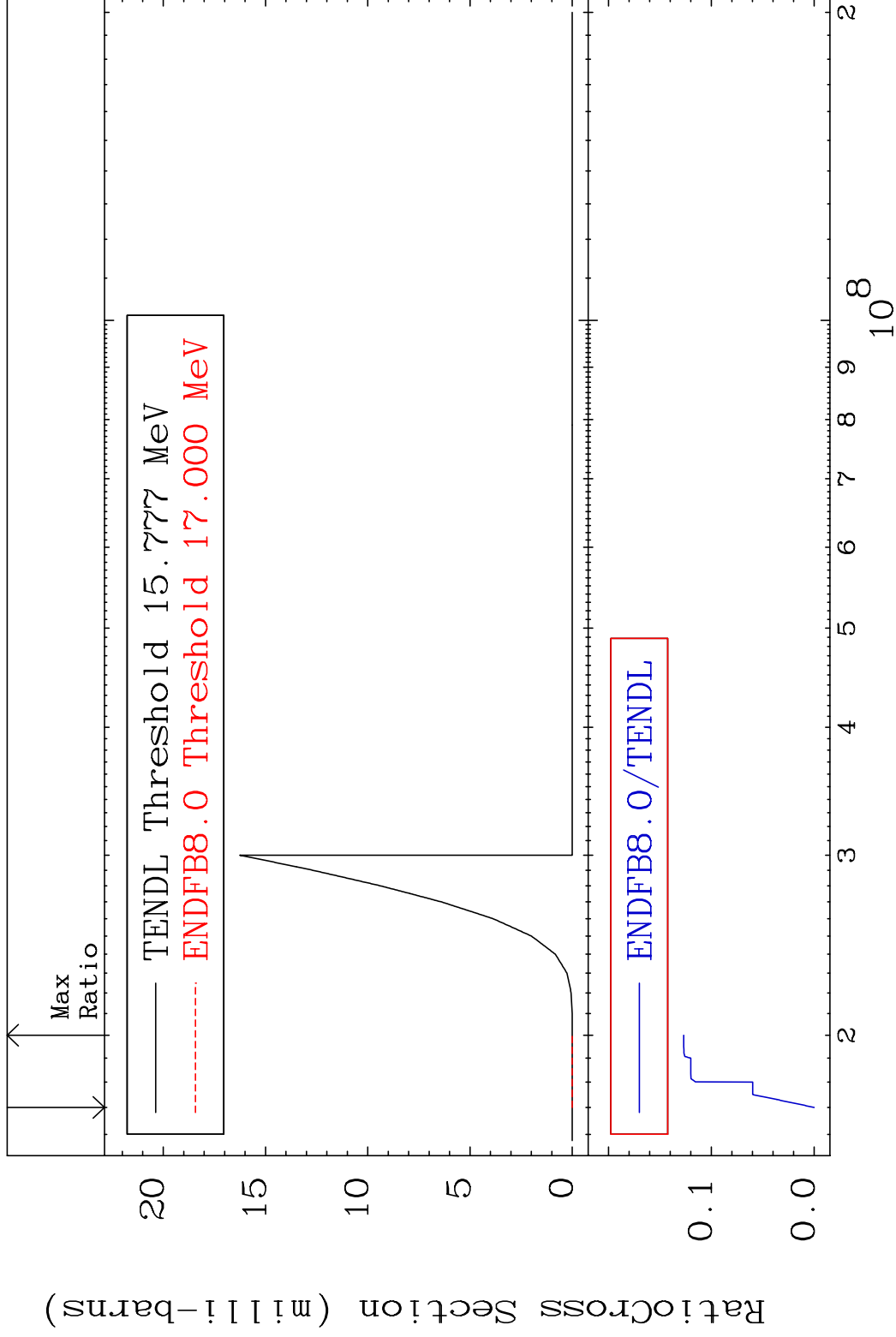
66-Dy-158

MAT 6631

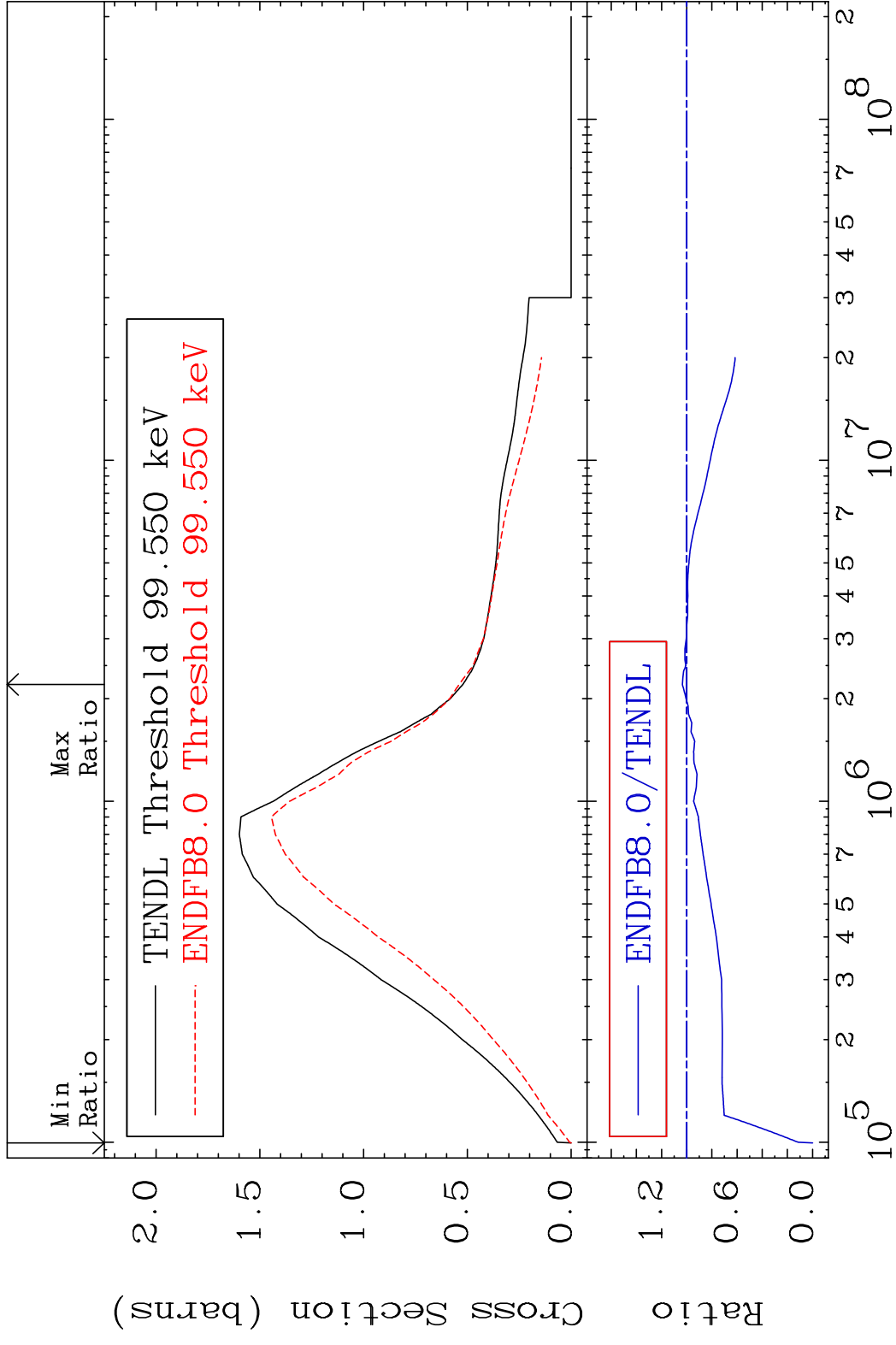
(n,2n) p

66-Dy-158

Cross Section -100.0 To -87.32%

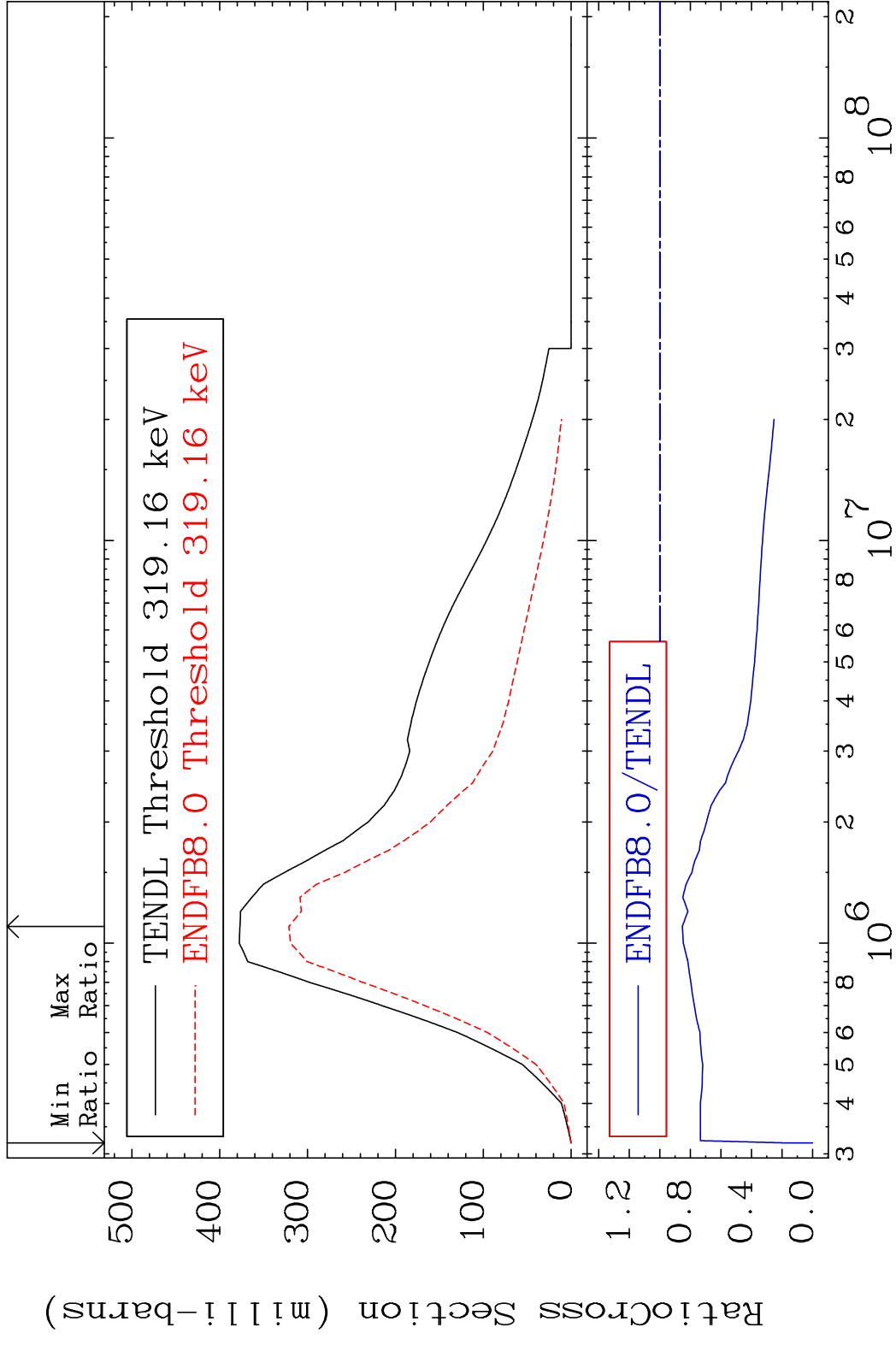


MAT 6631 MT= 51 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 3.450 %

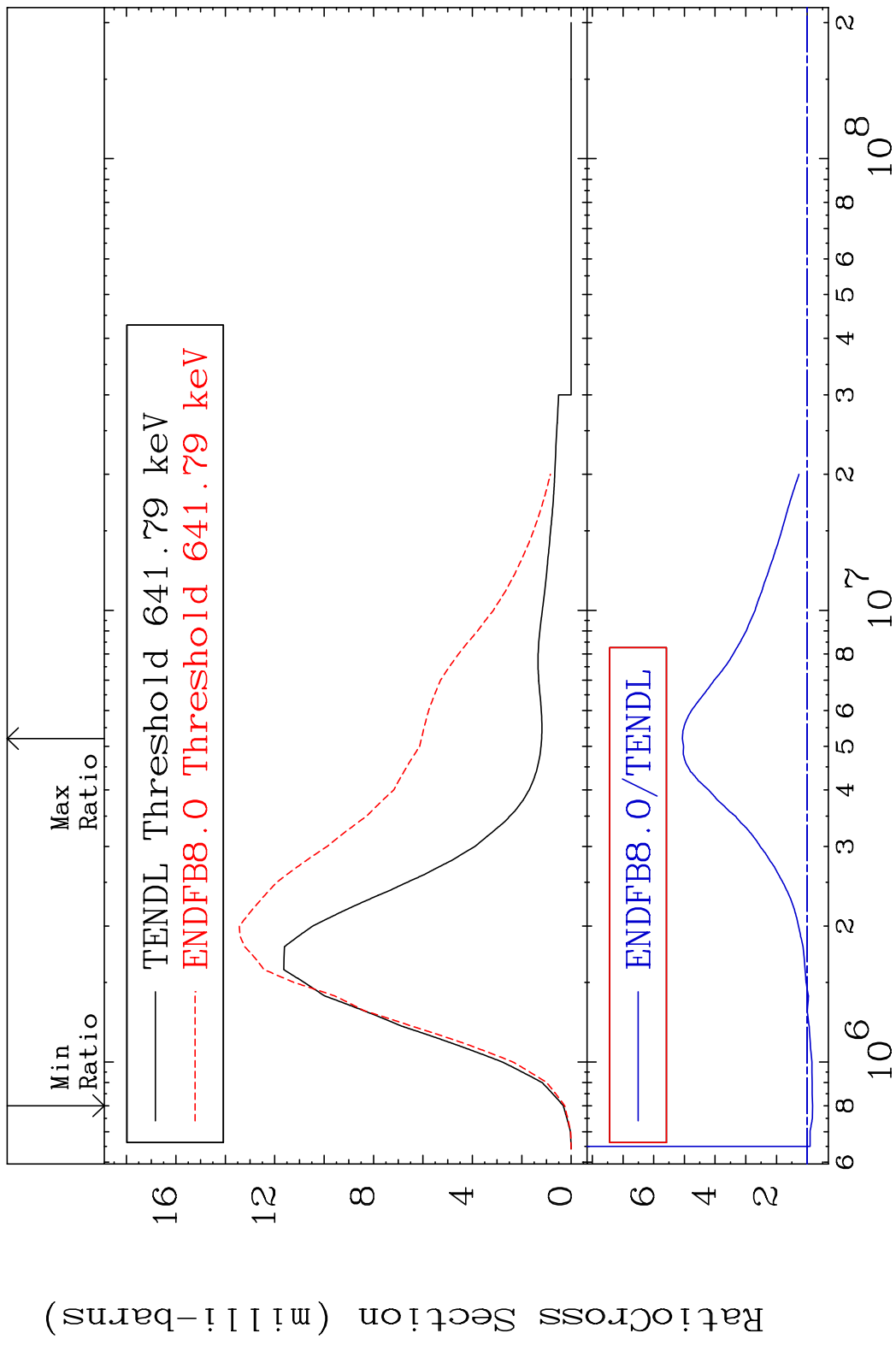


10 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 52 (n,n') Level 66-Dy-158
 Cross Section -100.0 To -14.78%

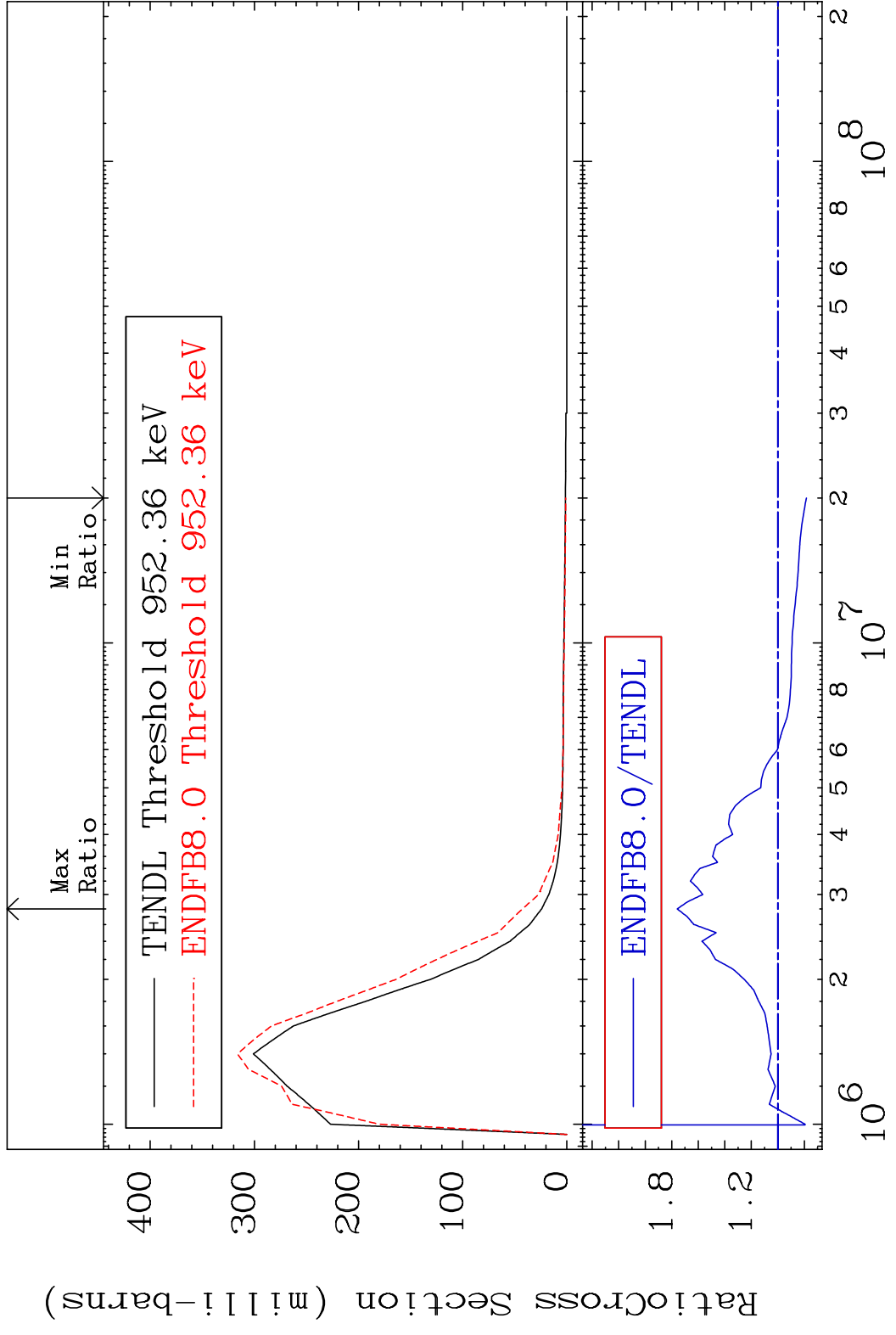


MAT 6631 MT= 53 (n, n') Level 66-Dy-158
 Cross Section -17.33 To 406.7 %



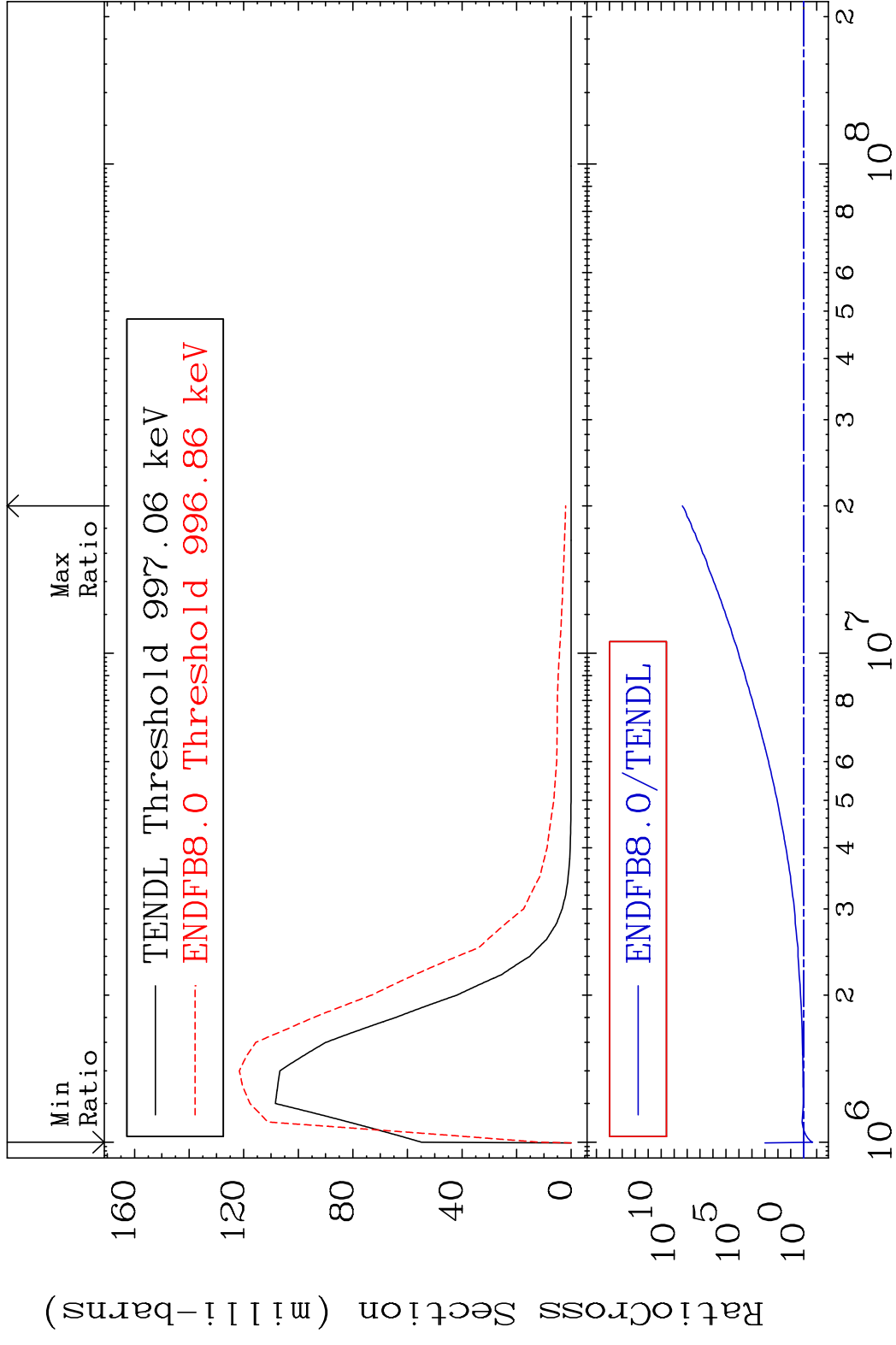
12 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 54 (n, n') Level 66-Dy-158
 Cross Section -21.55 To 75.89 %



13 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 55 (n, n') Level 66-Dy-158
 Cross Section -79.04 To 9999. %



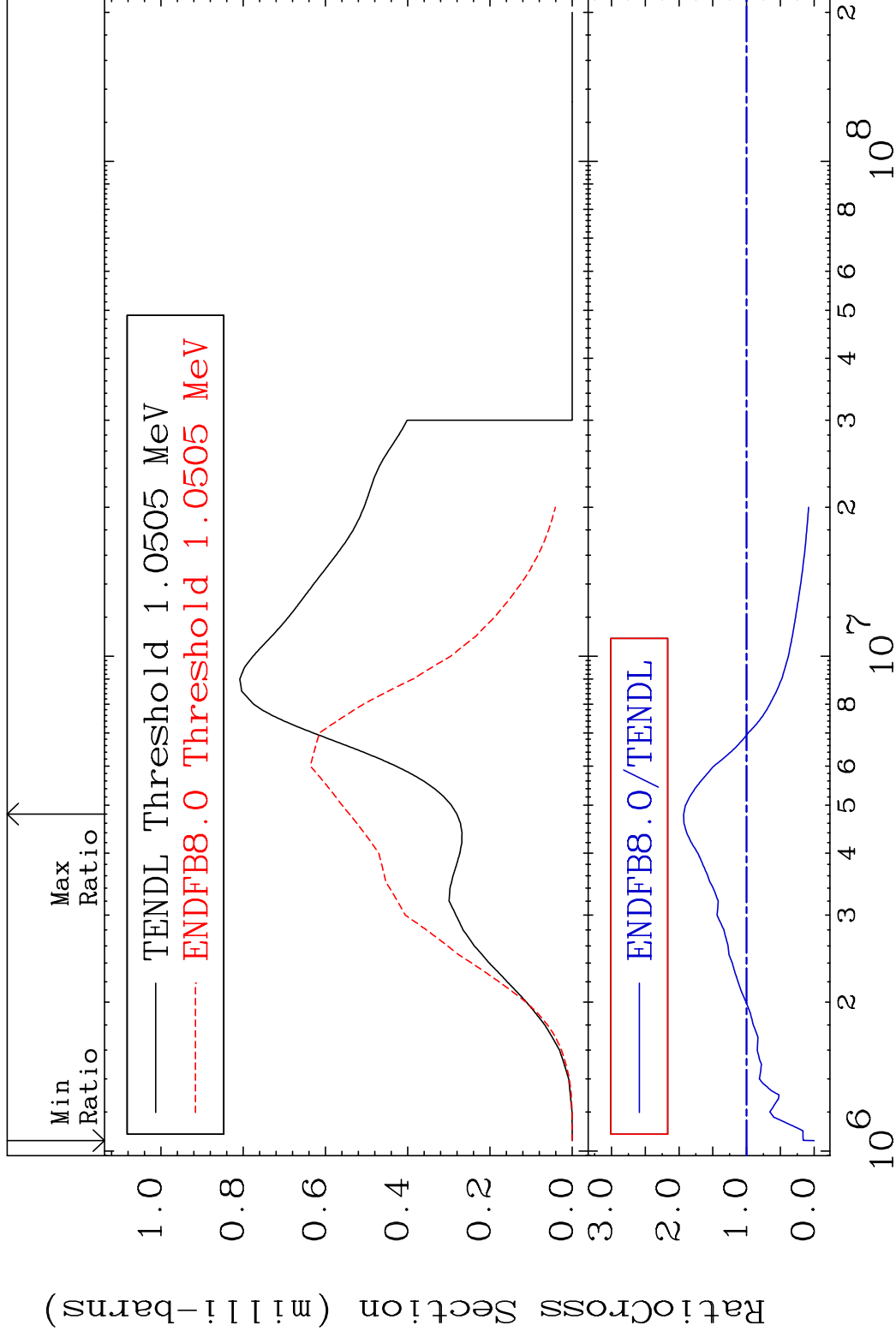
14 Incident Energy (eV) 66-Dy-158

MAT 6631

MT= 56 (n, n') Level

66-Dy-158

Cross Section -100.0 To 93.13 %

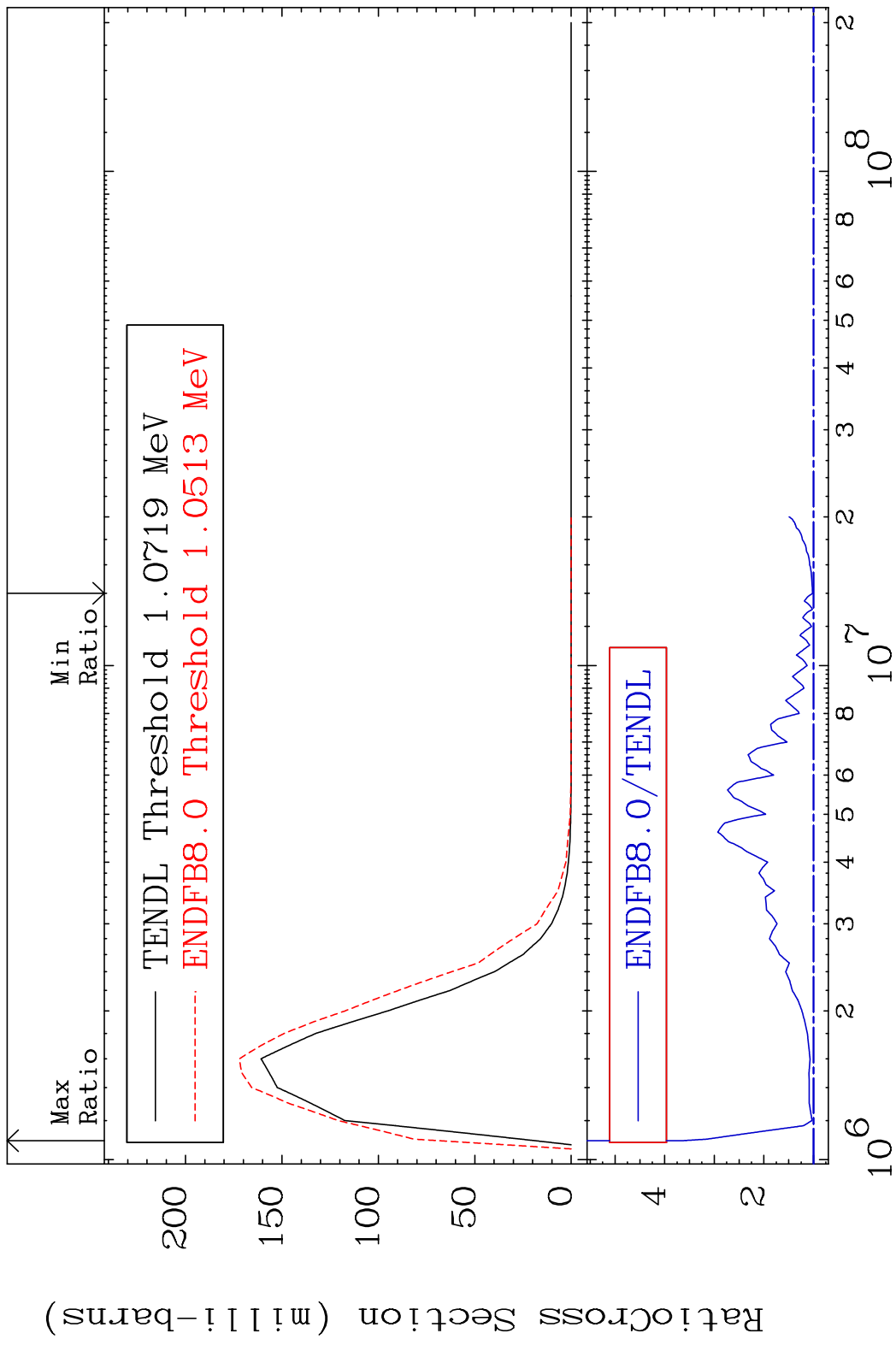


15

Incident Energy (eV)

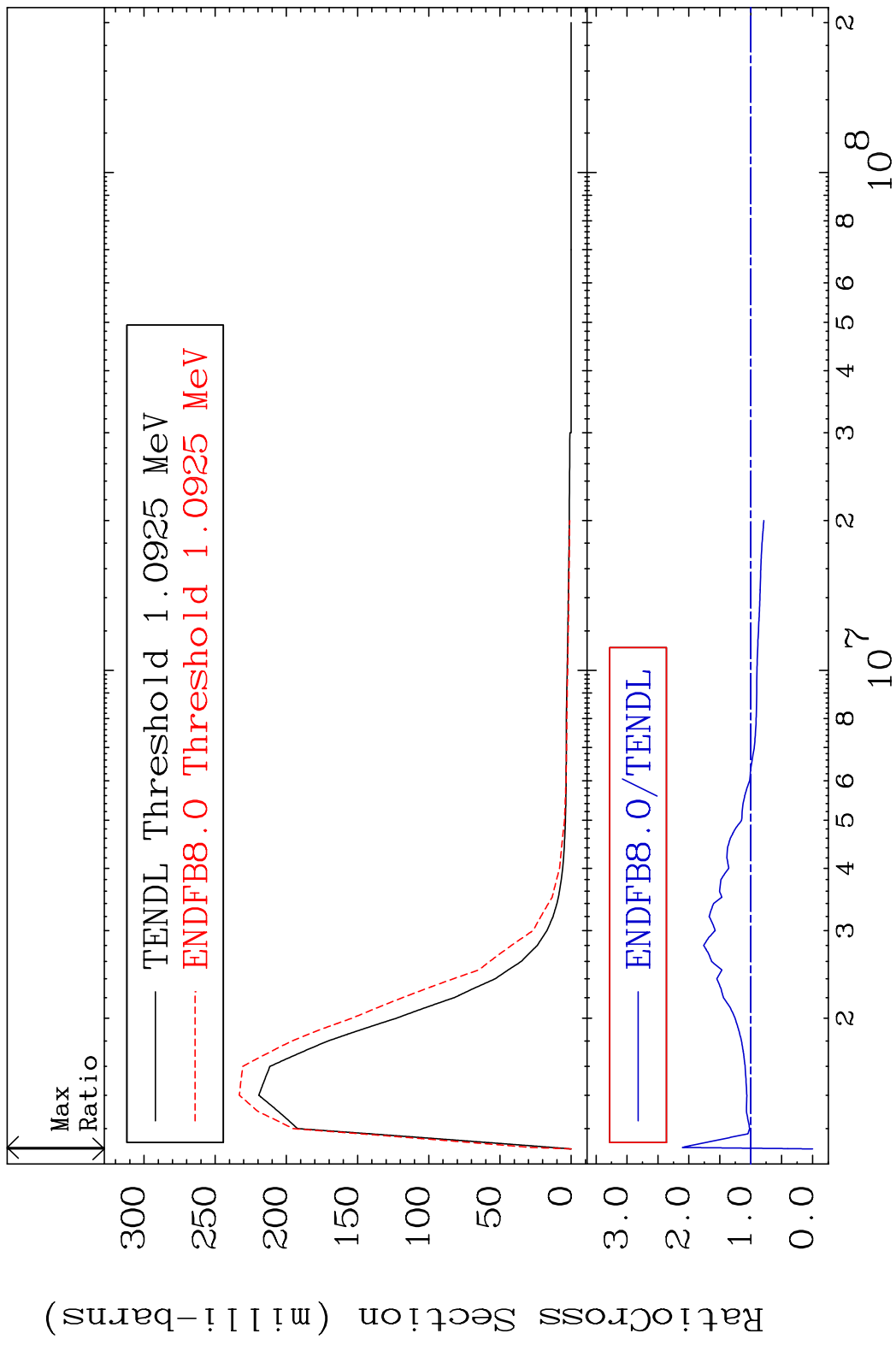
66-Dy-158

MAT 6631 MT= 57 (n, n') Level 66-Dy-158
 Cross Section 1.938 To 264.4 %

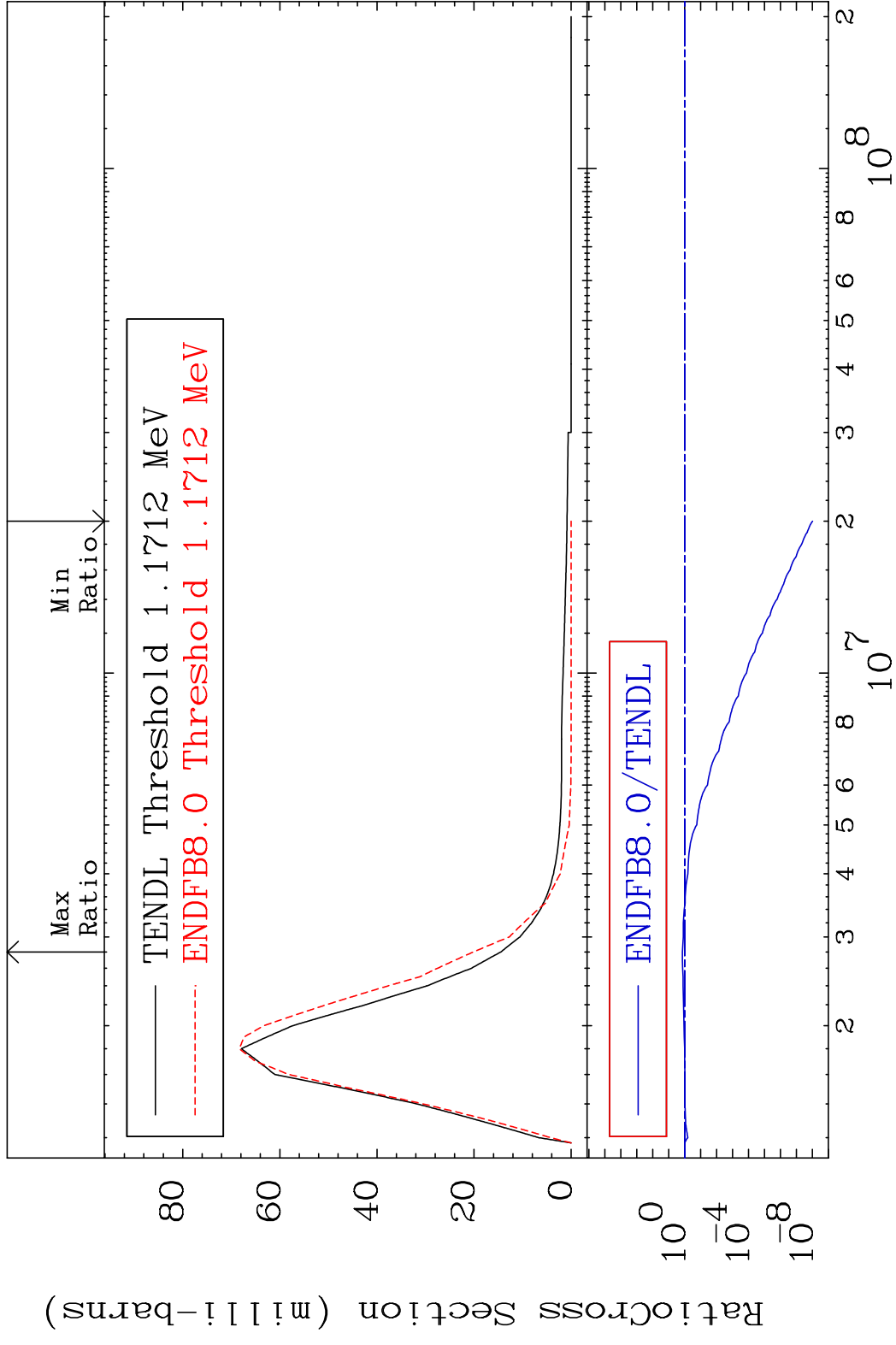


16 Incident Energy (eV) 66-Dy-158

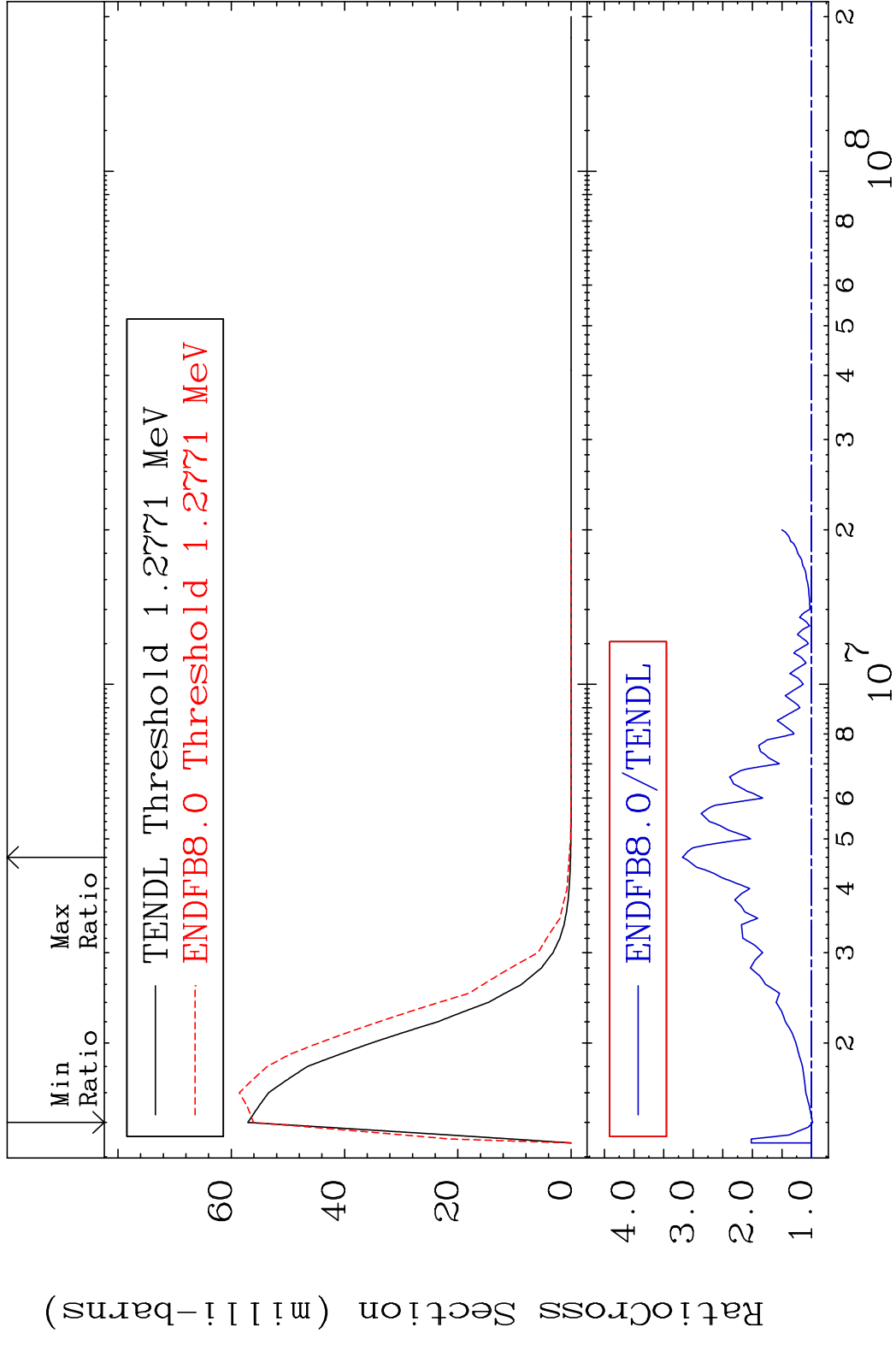
MAT 6631 MT= 58 (n,n') Level 66-Dy-158
 Cross Section -100.0 To 110.5 %



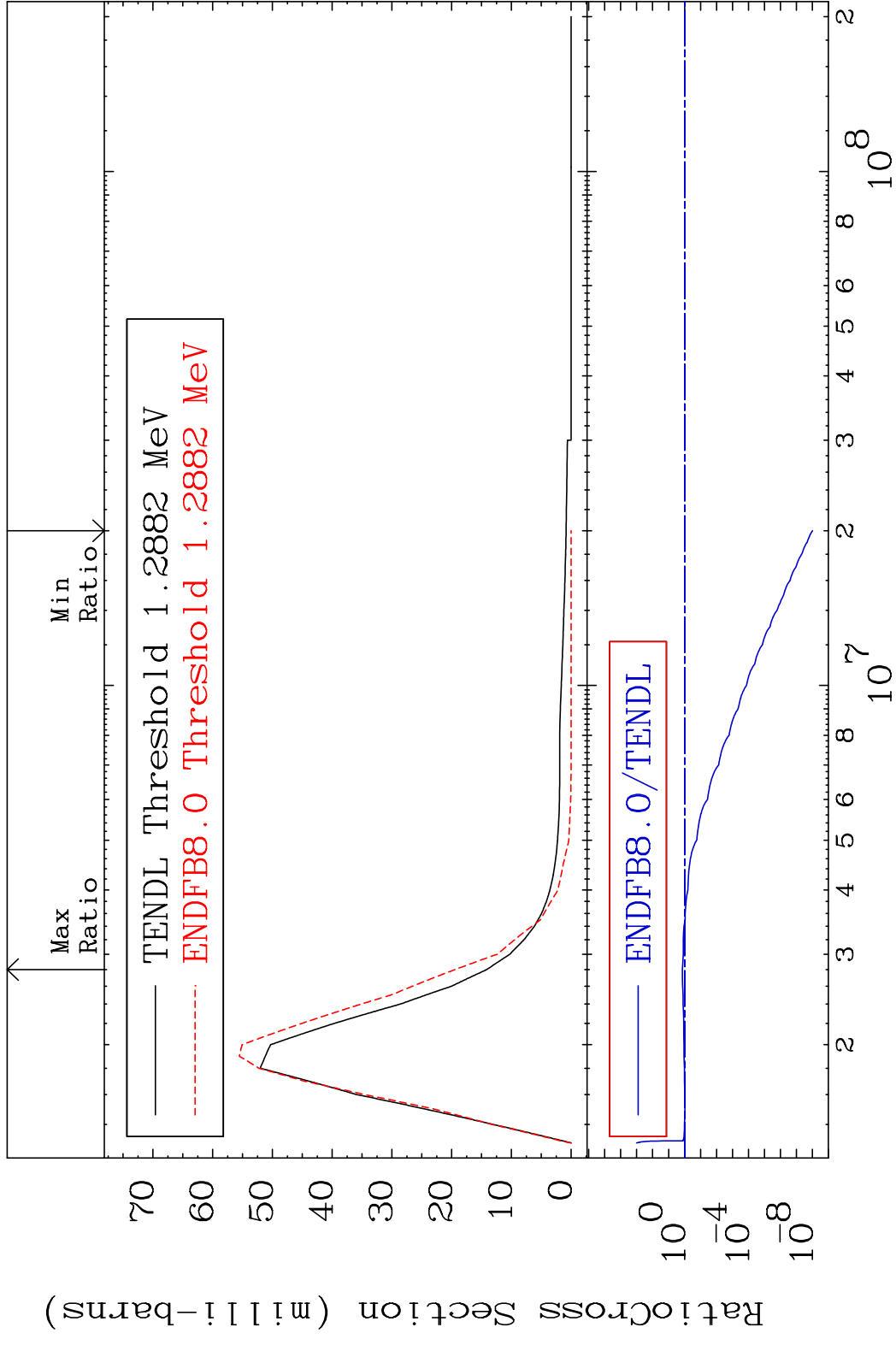
MAT 6631 MT= 59 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 38.92 %



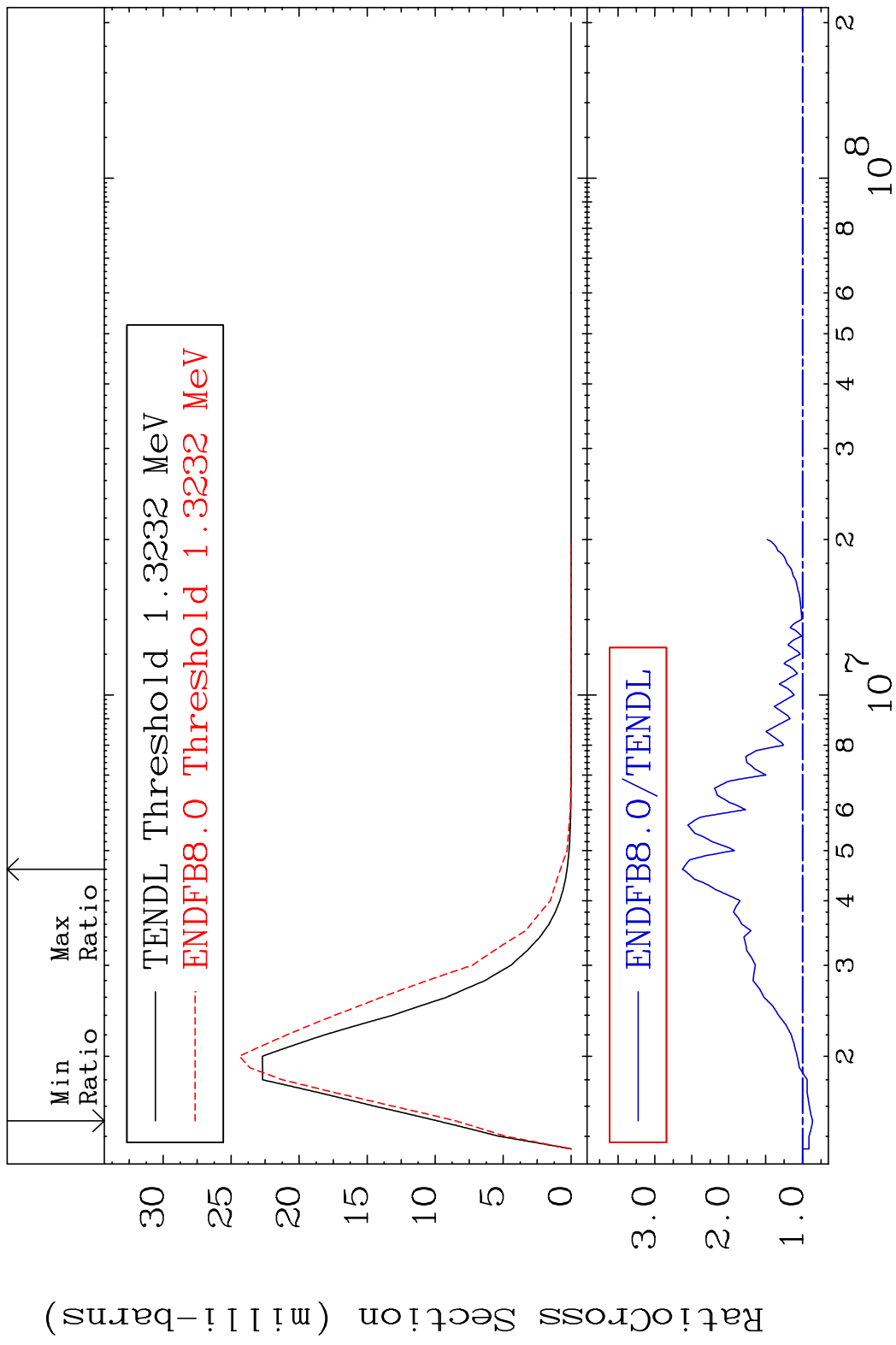
MAT 6631 MT= 60 (n, n') Level 66-Dy-158
 Cross Section -1.721 To 218.4 %



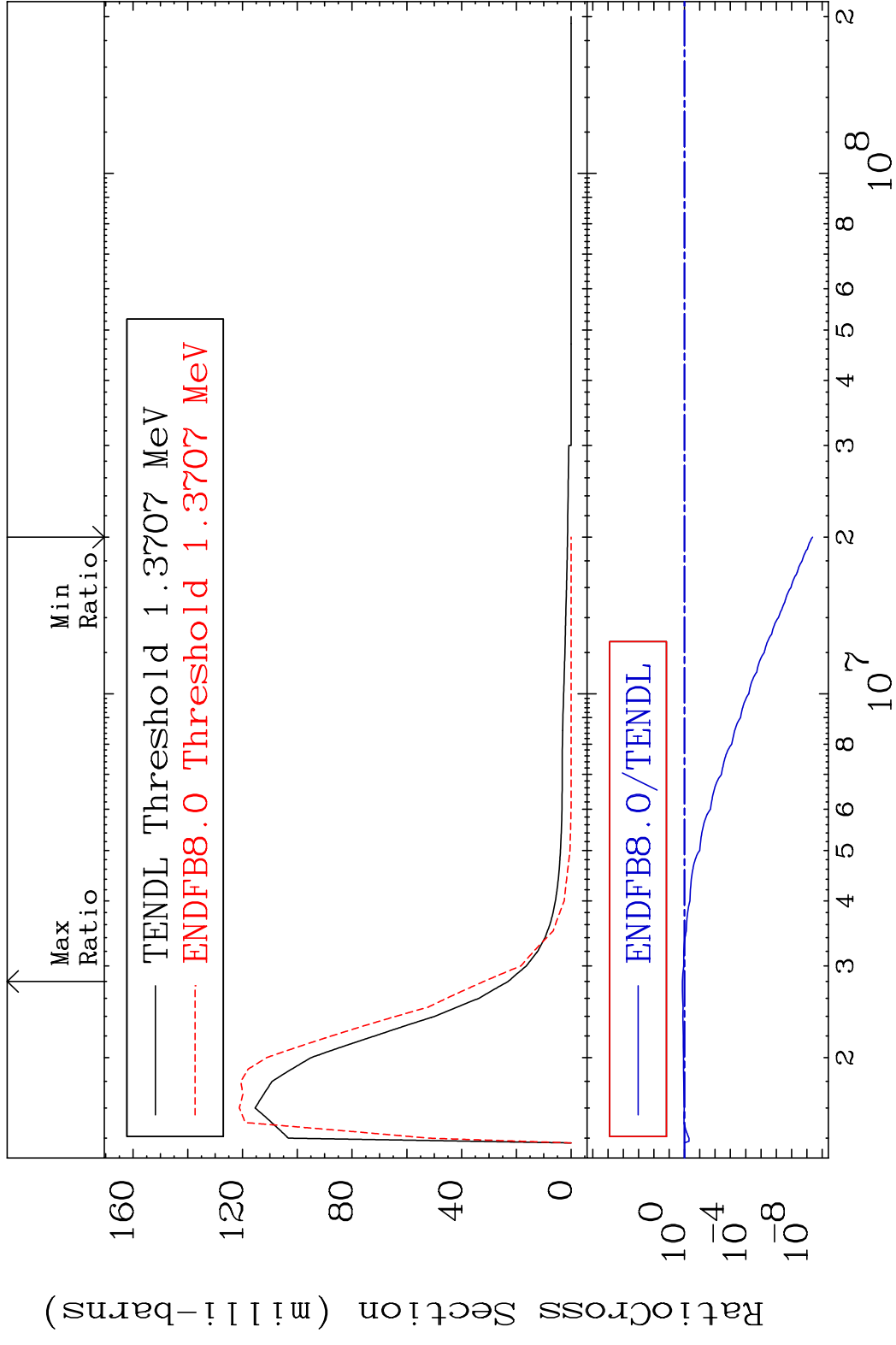
MAT 6631 MT= 61 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 37.69 %



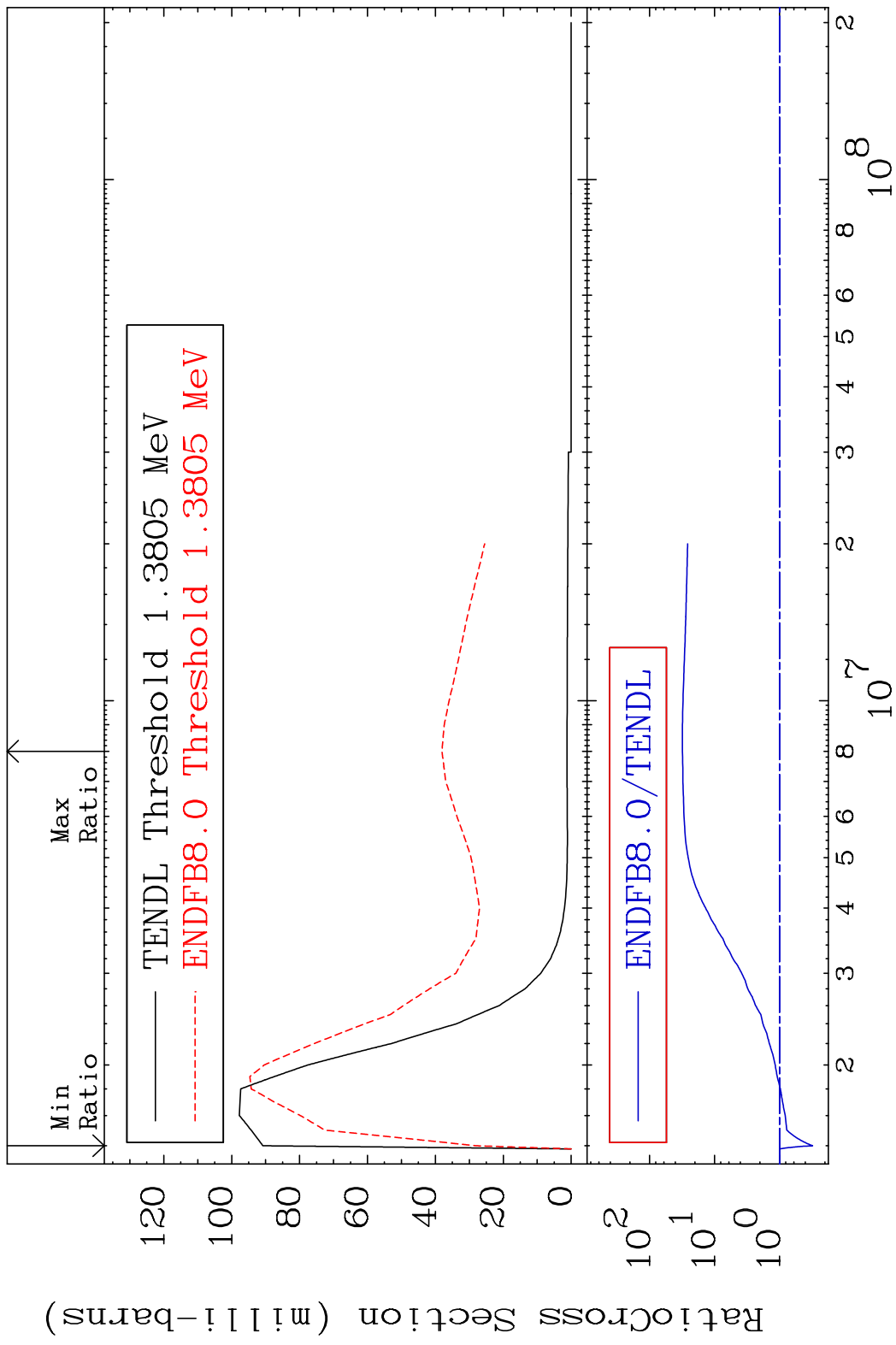
MAT 6631 MT= 62 (n, n') Level 66-Dy-158
 Cross Section -13.62 To 162.8 %



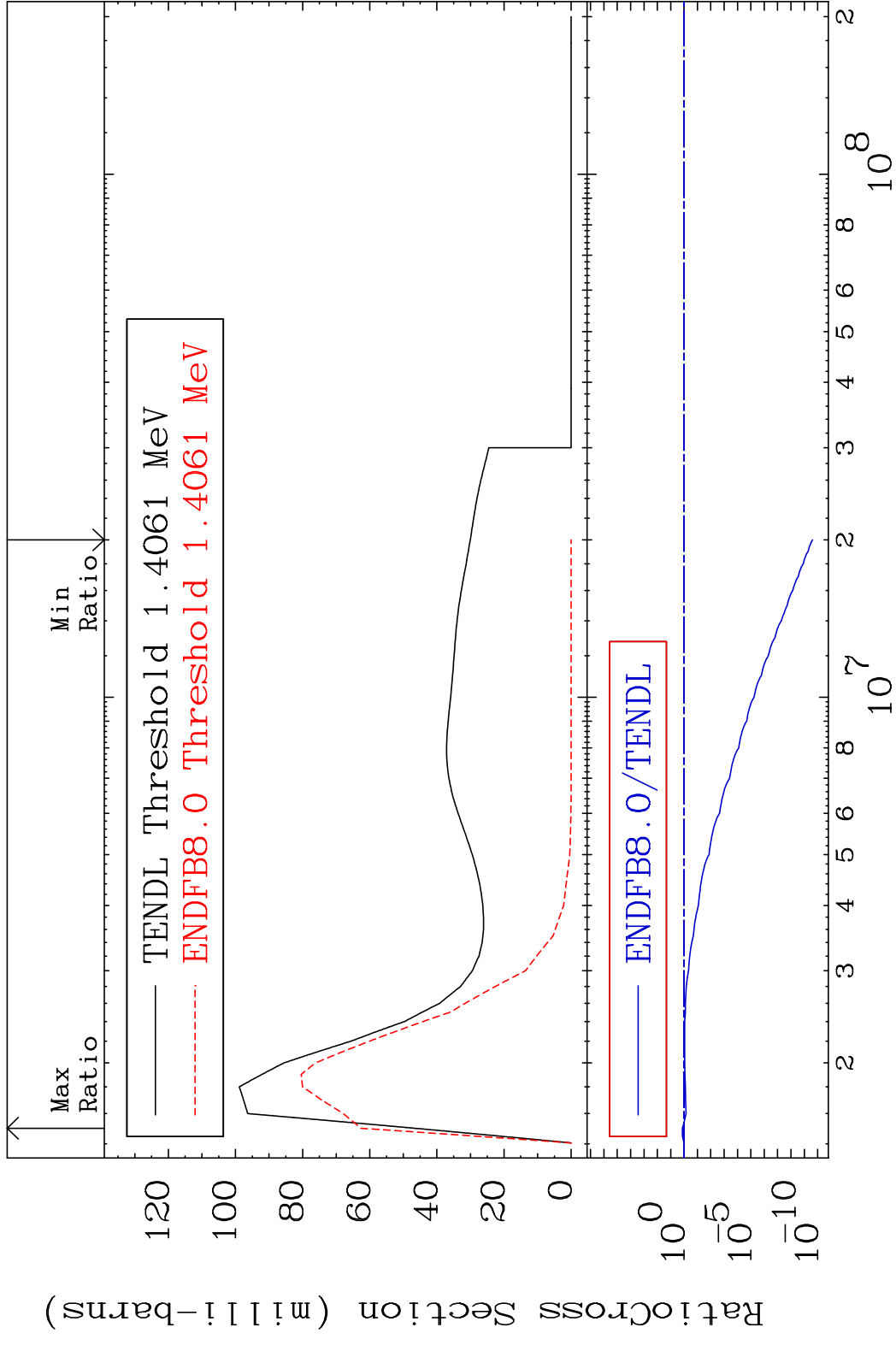
MAT 6631 MT= 63 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 38.48 %



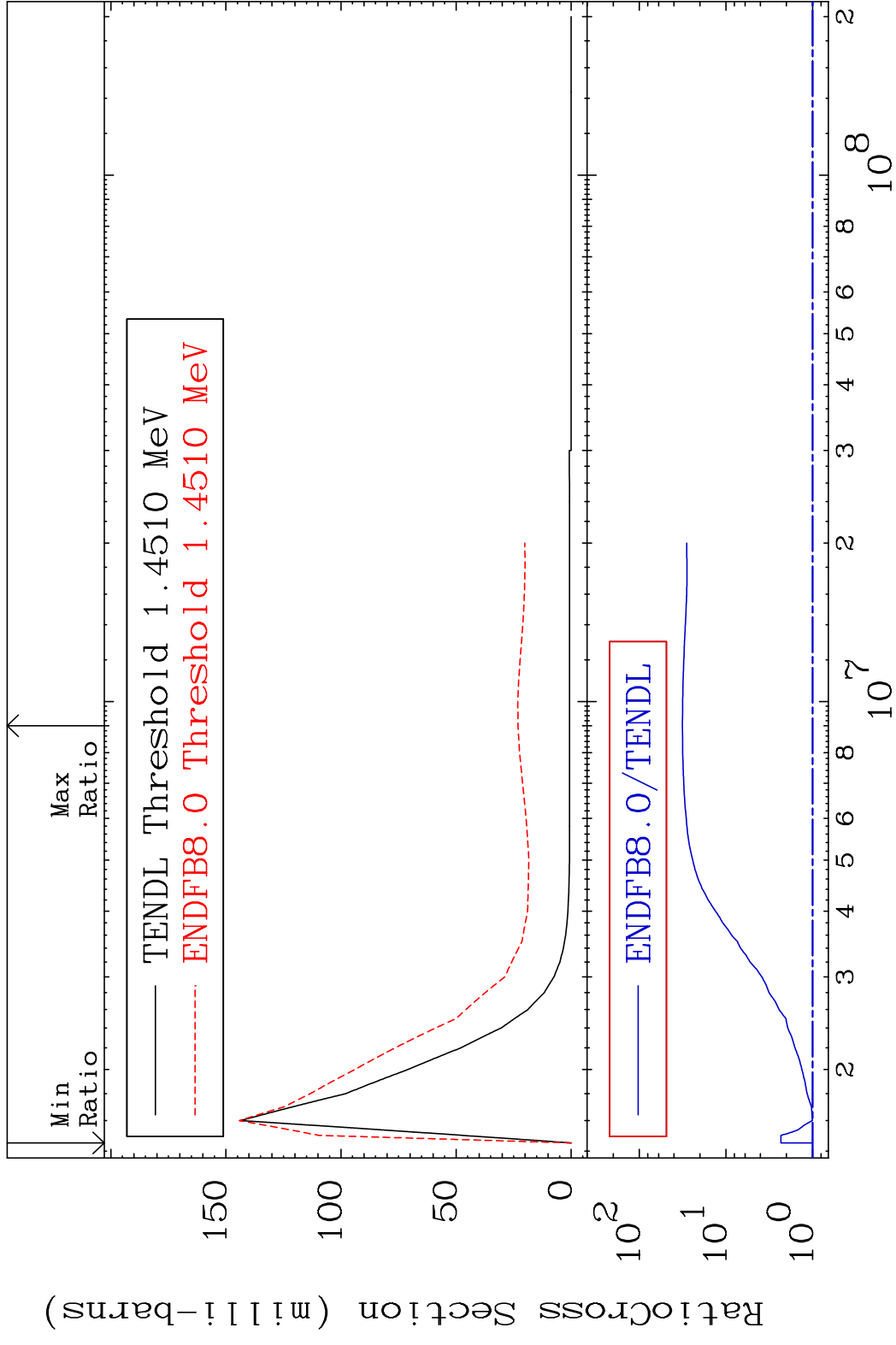
MAT 6631 MT= 64 (n, n') Level 66-Dy-158
 Cross Section -69.03 To 3017. %



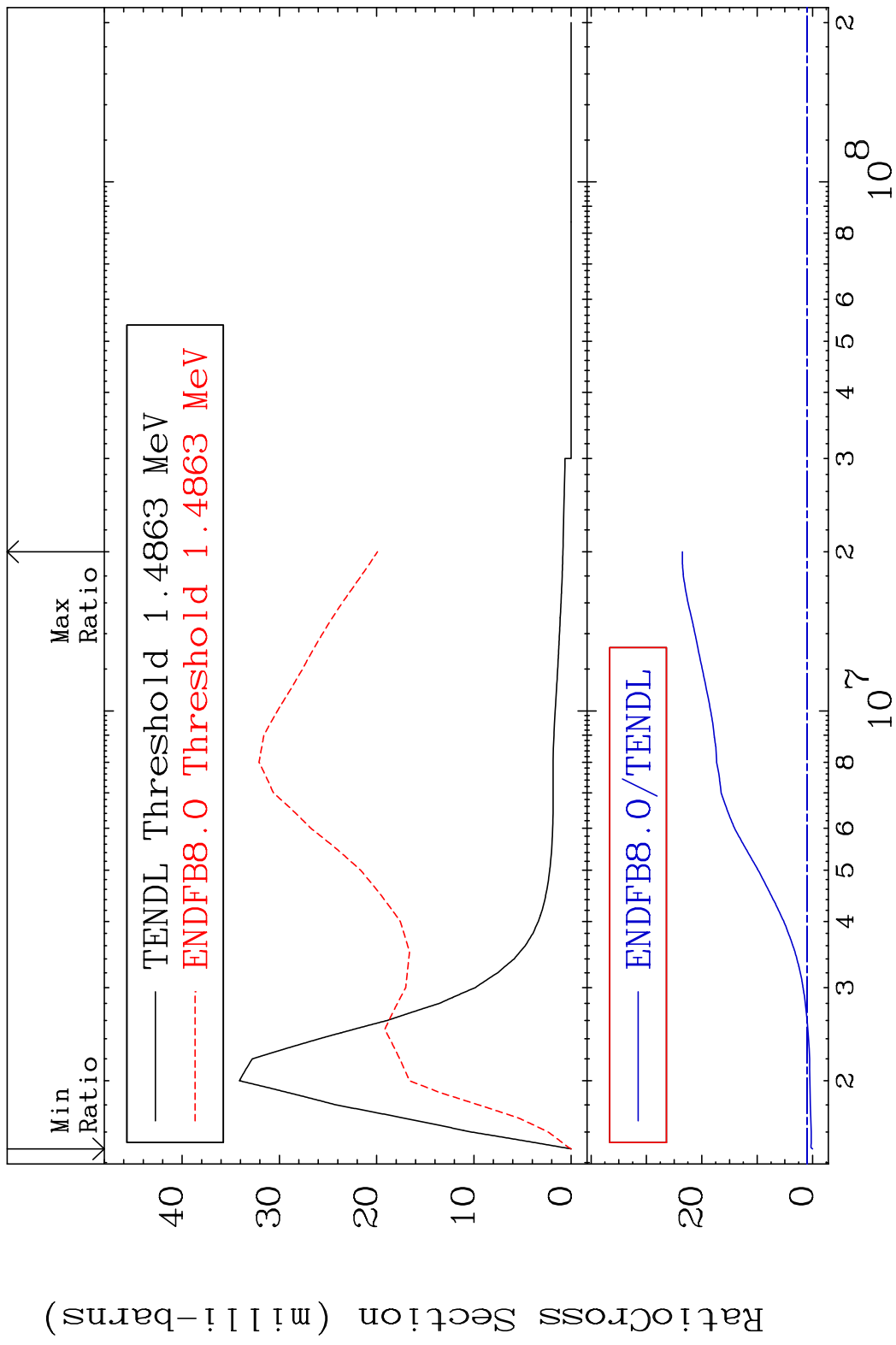
MAT 6631 MT= 65 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 34.25 %



MAT 6631 MT= 66 (n, n') Level 66-Dy-158
 Cross Section 0.000 To 3090. %



MAT 6631 MT= 67 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 2251. %

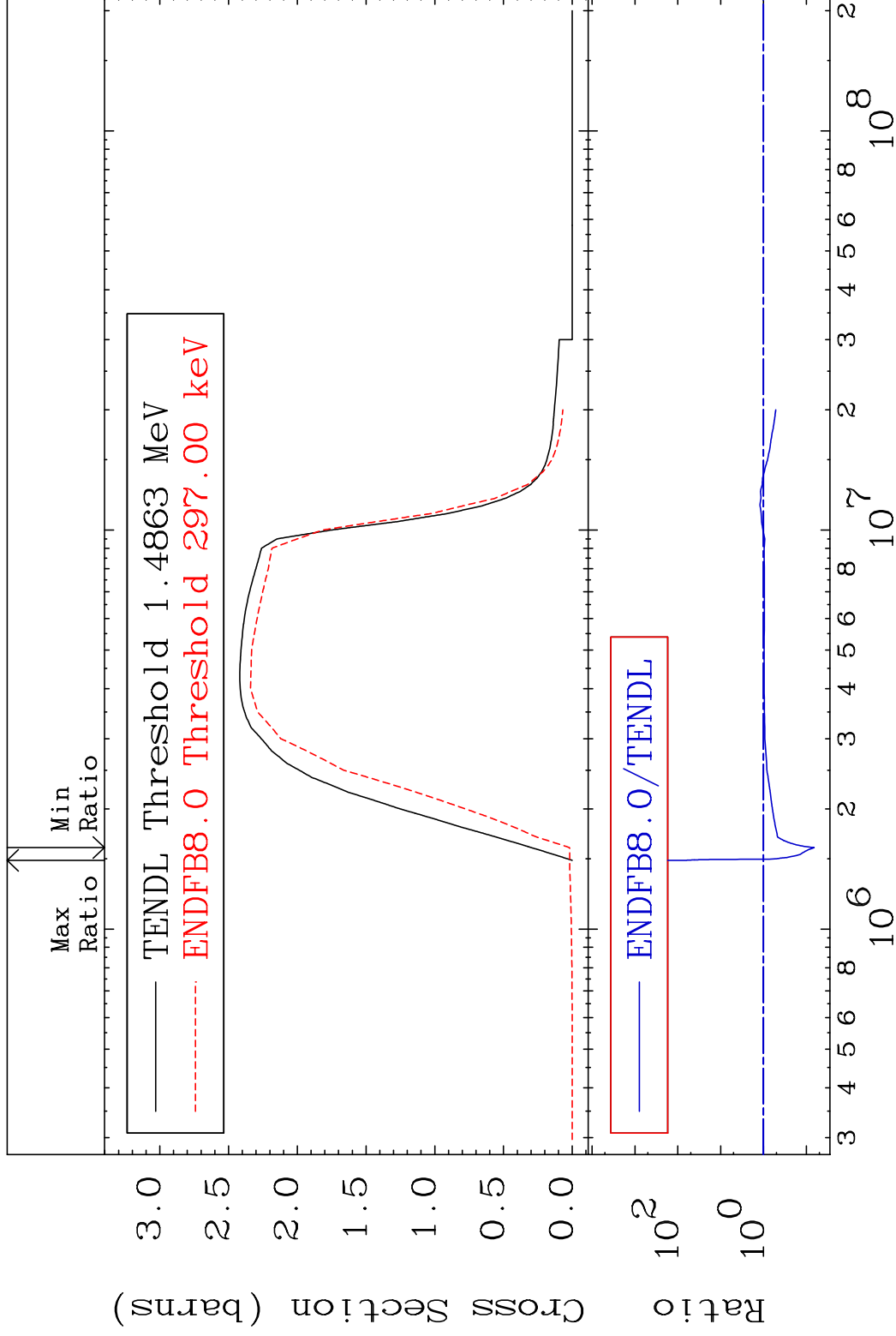


MAT 6631

(n, n') Continuum

66-Dy-158

Cross Section -93.39 To 7204. %

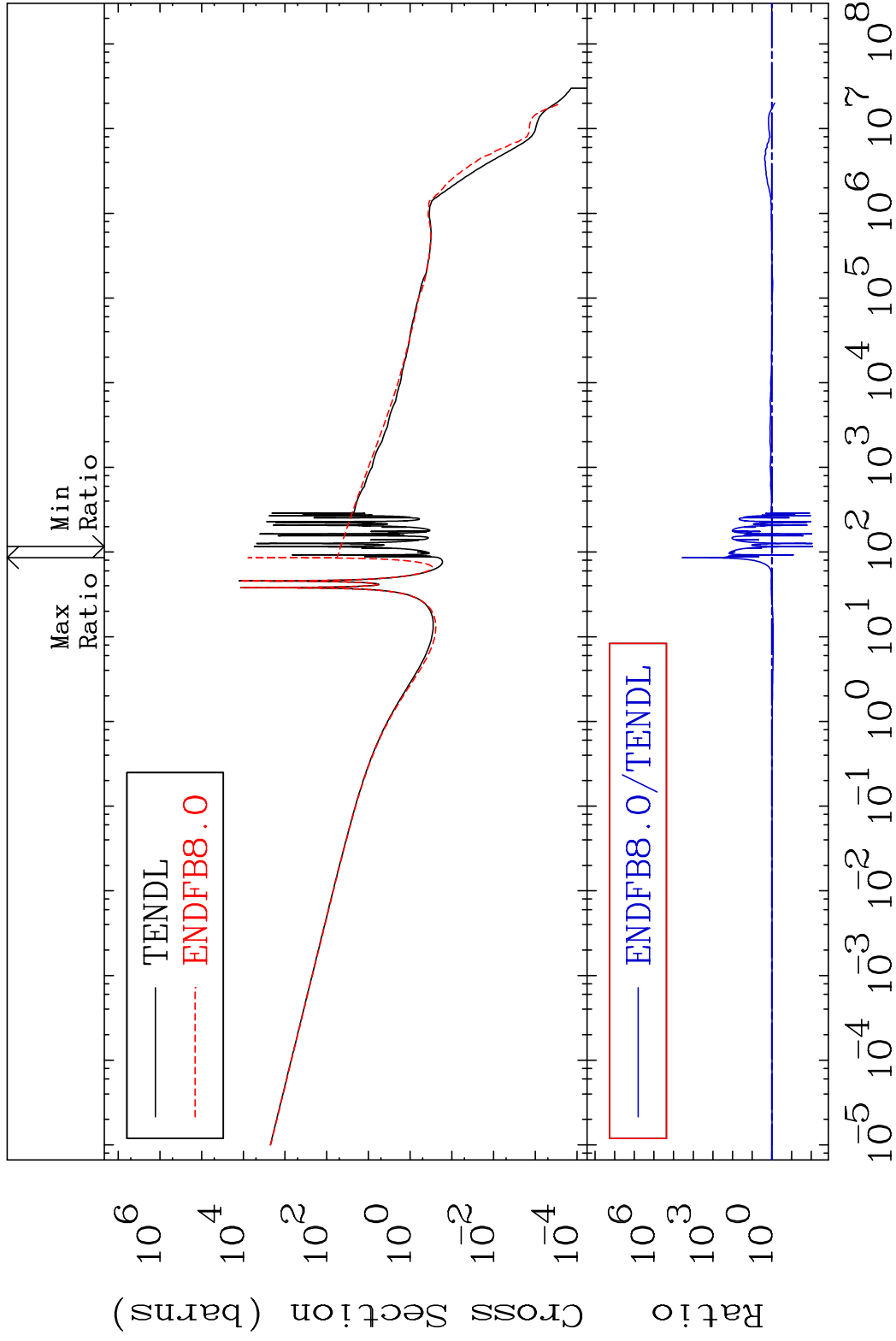


MAT 6631

(n, γ)

66-Dy-158

Cross Section -99.15 To 9999. %



28

Incident Energy (eV)

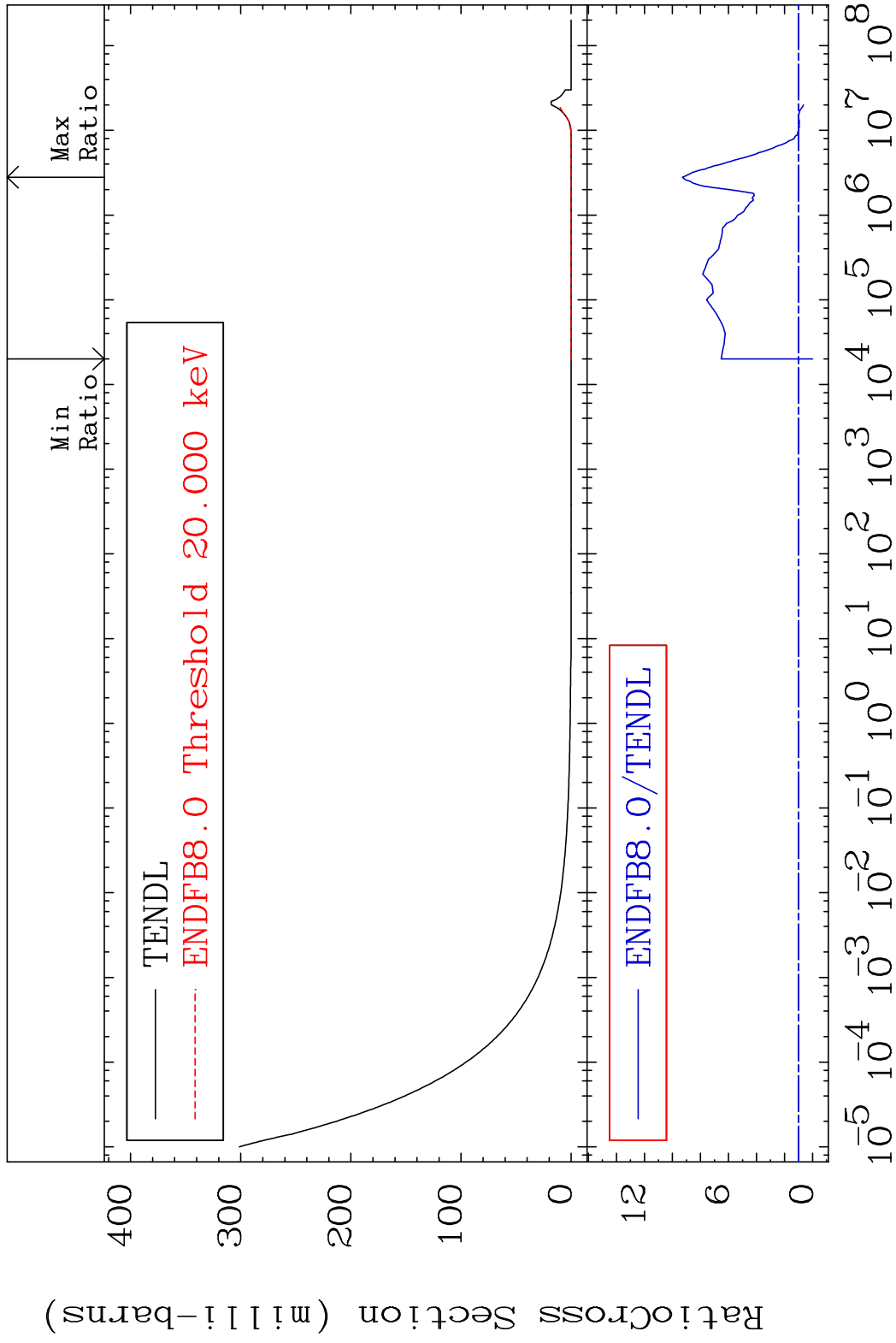
66-Dy-158

MAT 6631

(n, α)

66-Dy-158

Cross Section -100.0 To 829.3 %

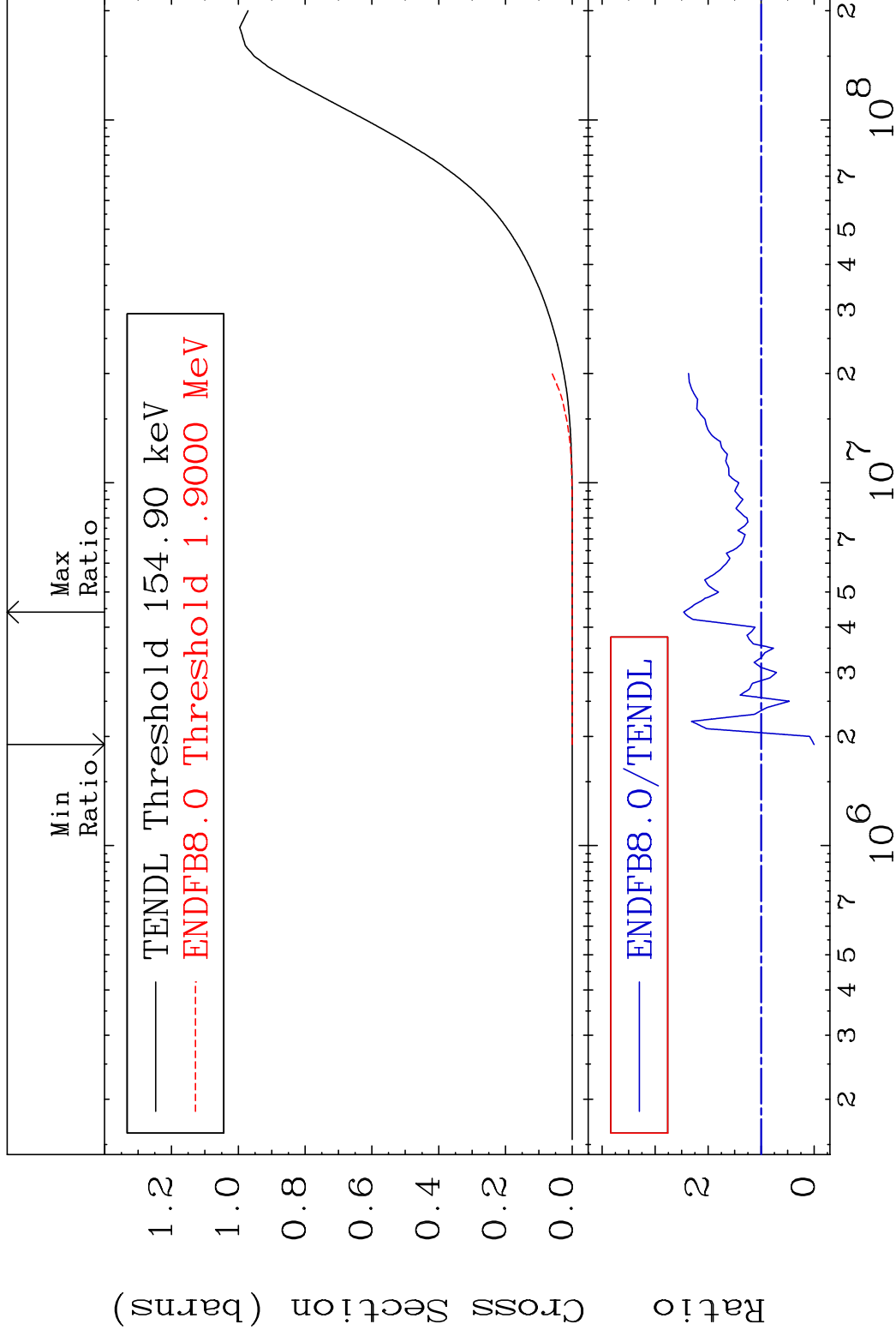


MAT 6631

Hydrogen Production

66-Dy-158

Cross Section -100.0 To 146.2 %



31

Incident Energy (eV)

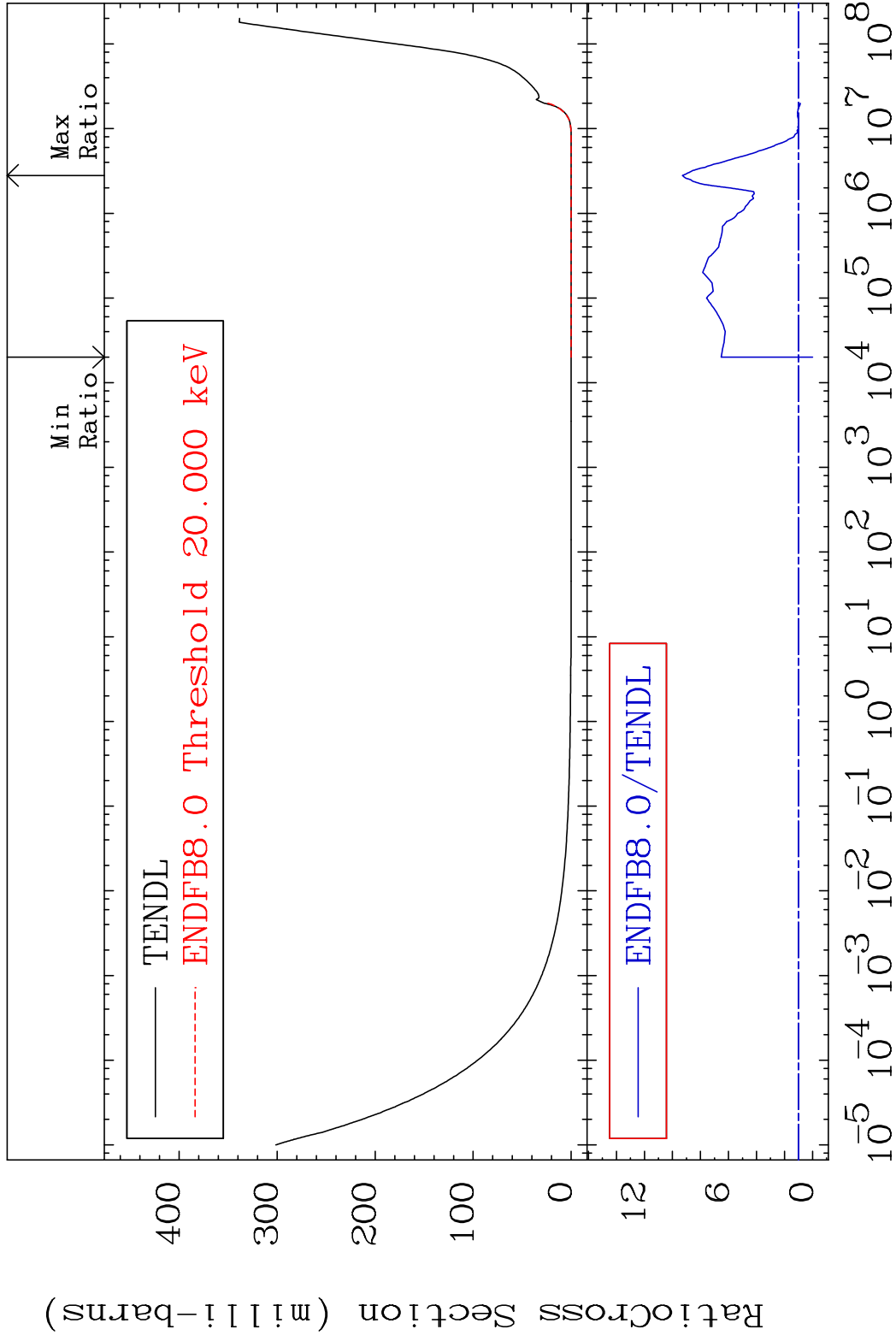
66-Dy-158

MAT 6631

He-4 Production

66-Dy-158

Cross Section -100.0 To 829.3 %

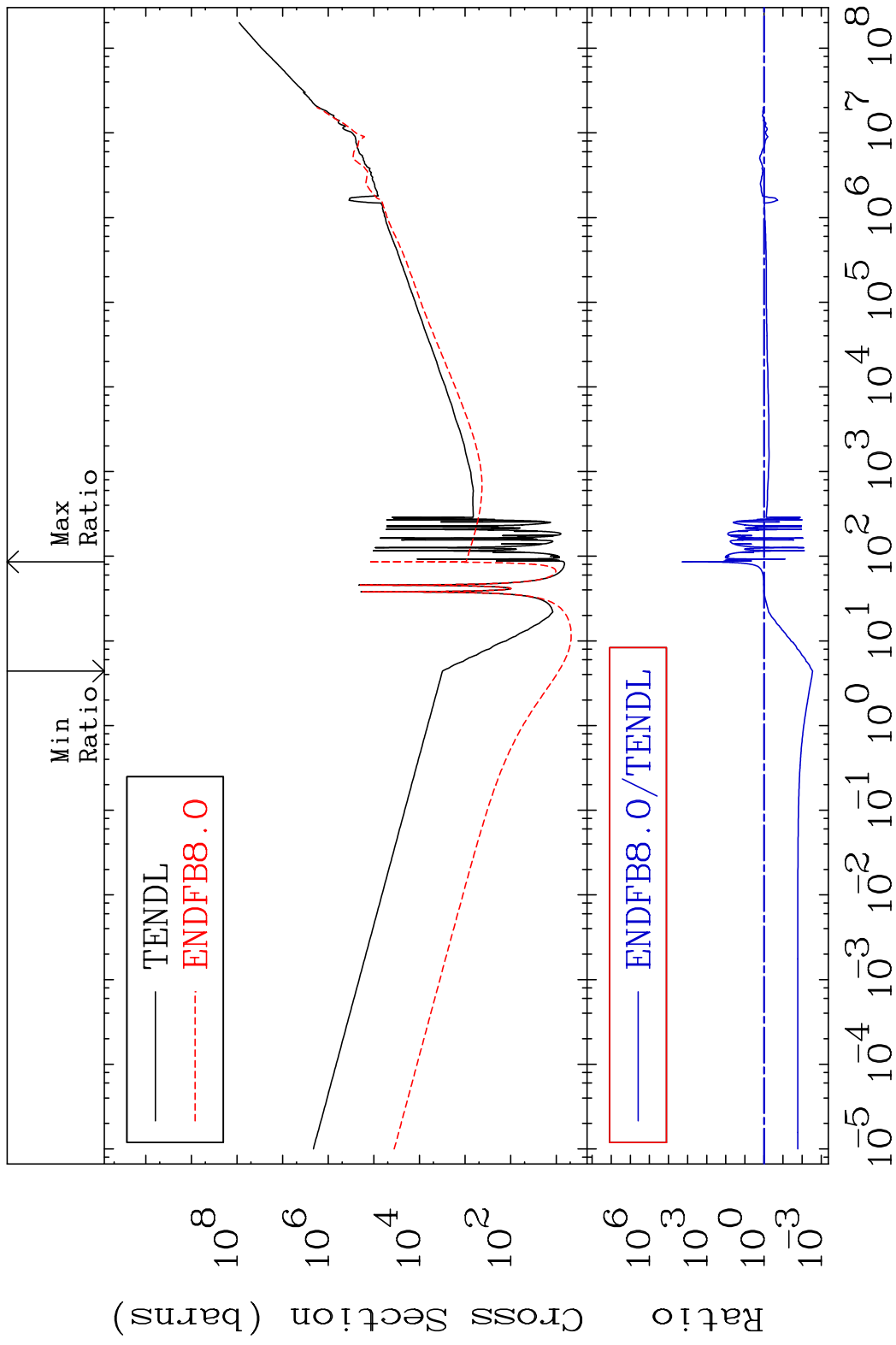


32

Incident Energy (eV)

66-Dy-158

MAT 6631 Kerma total (eV-barns) 66-Dy-158
 Cross Section -99.72 To 9999. %



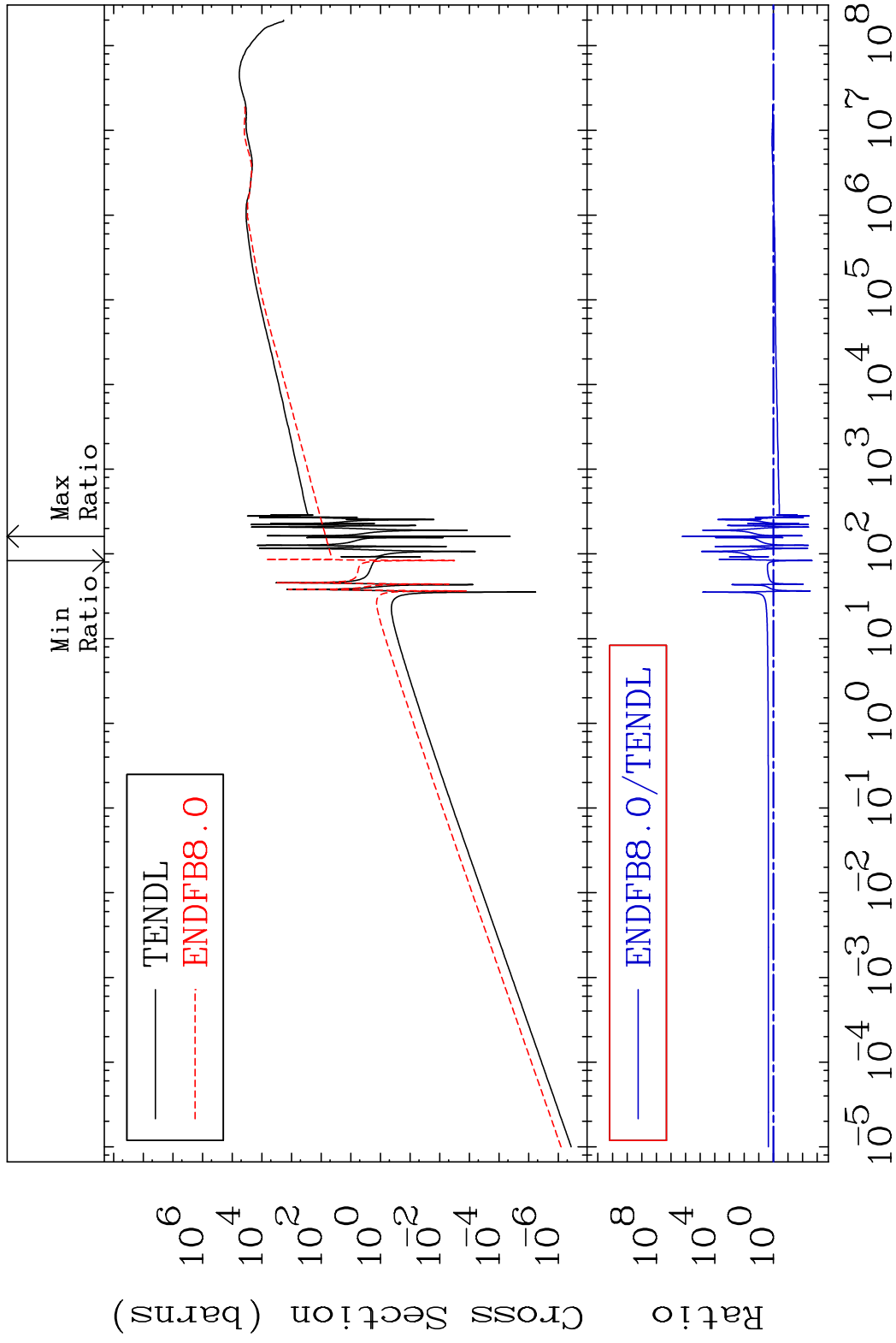
33 Incident Energy (eV) 66-Dy-158

MAT 6631

Kerma elastic

66-Dy-158

Cross Section -99.79 To 9999. %

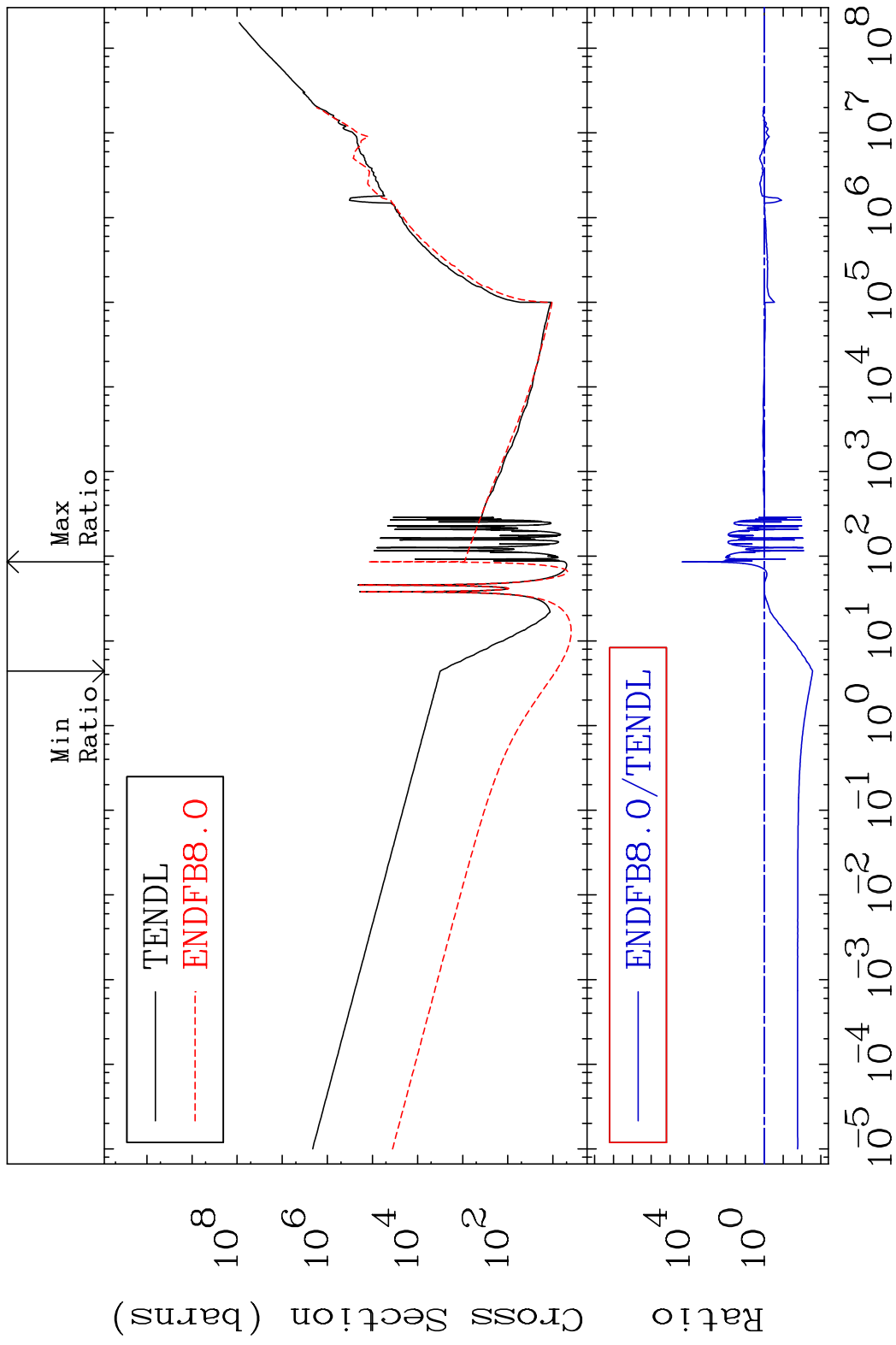


34

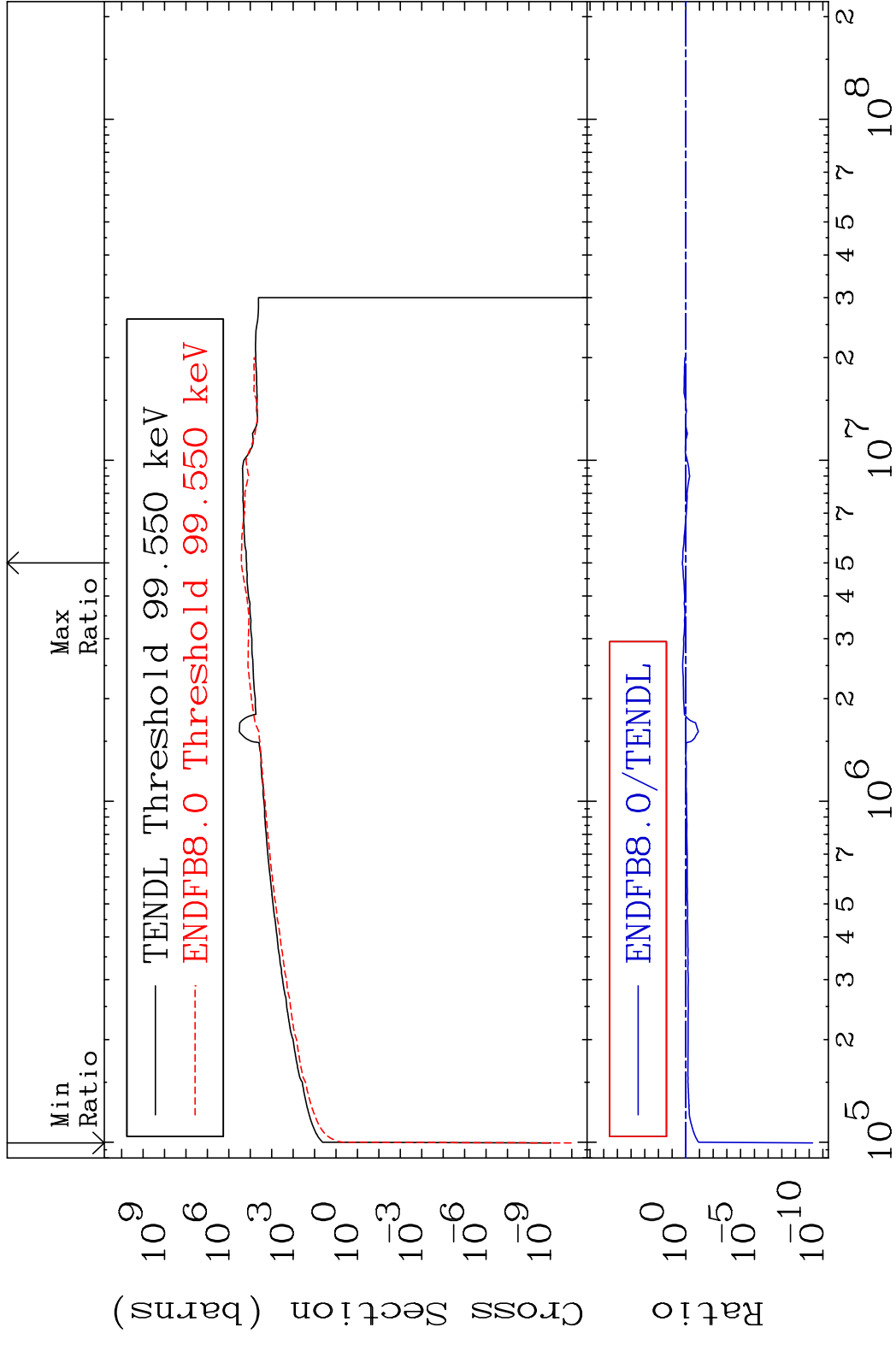
Incident Energy (eV)

66-Dy-158

MAT 6631 Kerma non-elastic (all but mt2) 66-Dy-158
 Cross Section -99.73 To 9999. %

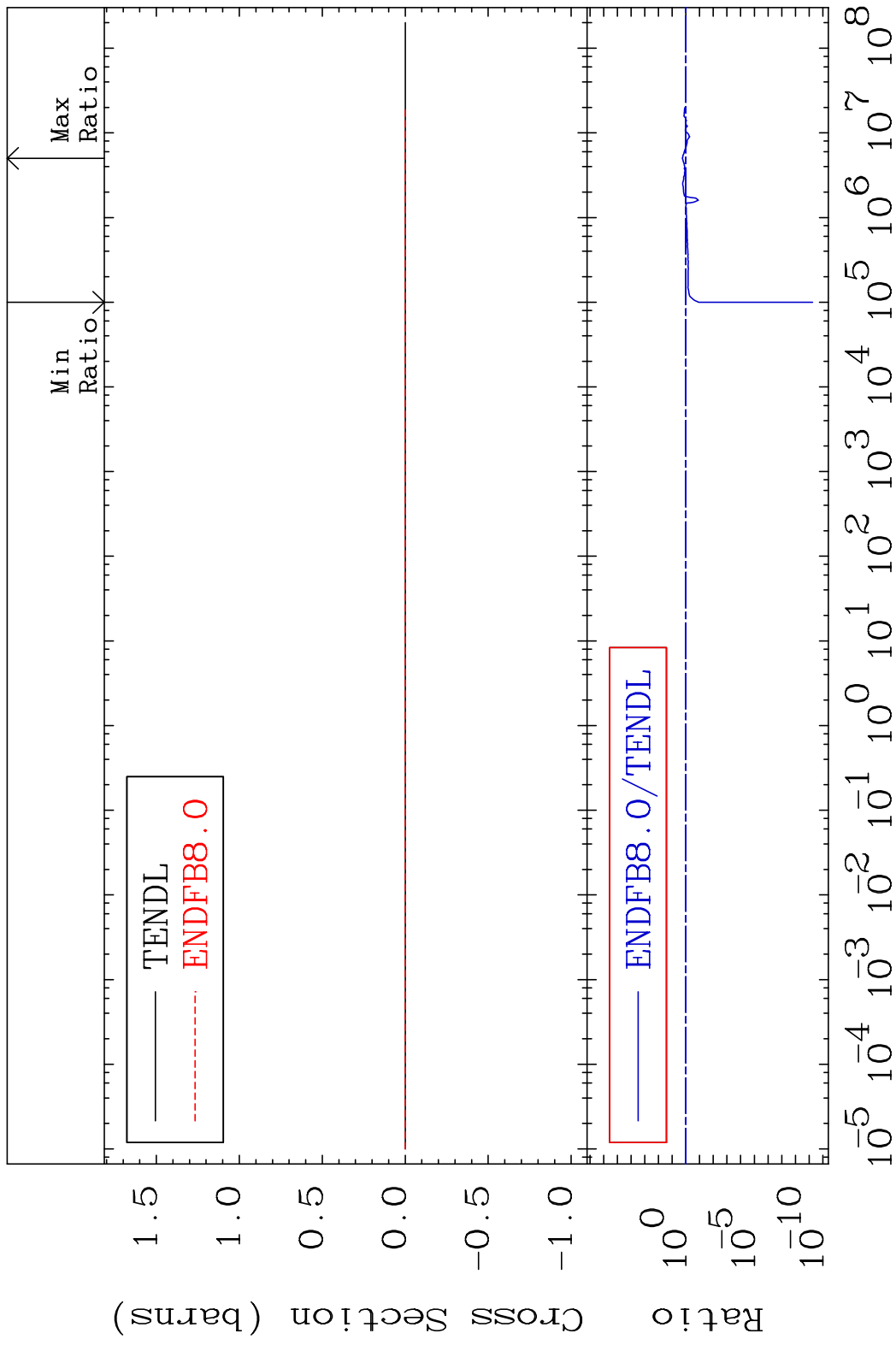


MAT 6631 Kerma inelastic (mt51-91) 66-Dy-158
 Cross Section -100.0 To 79.56 %



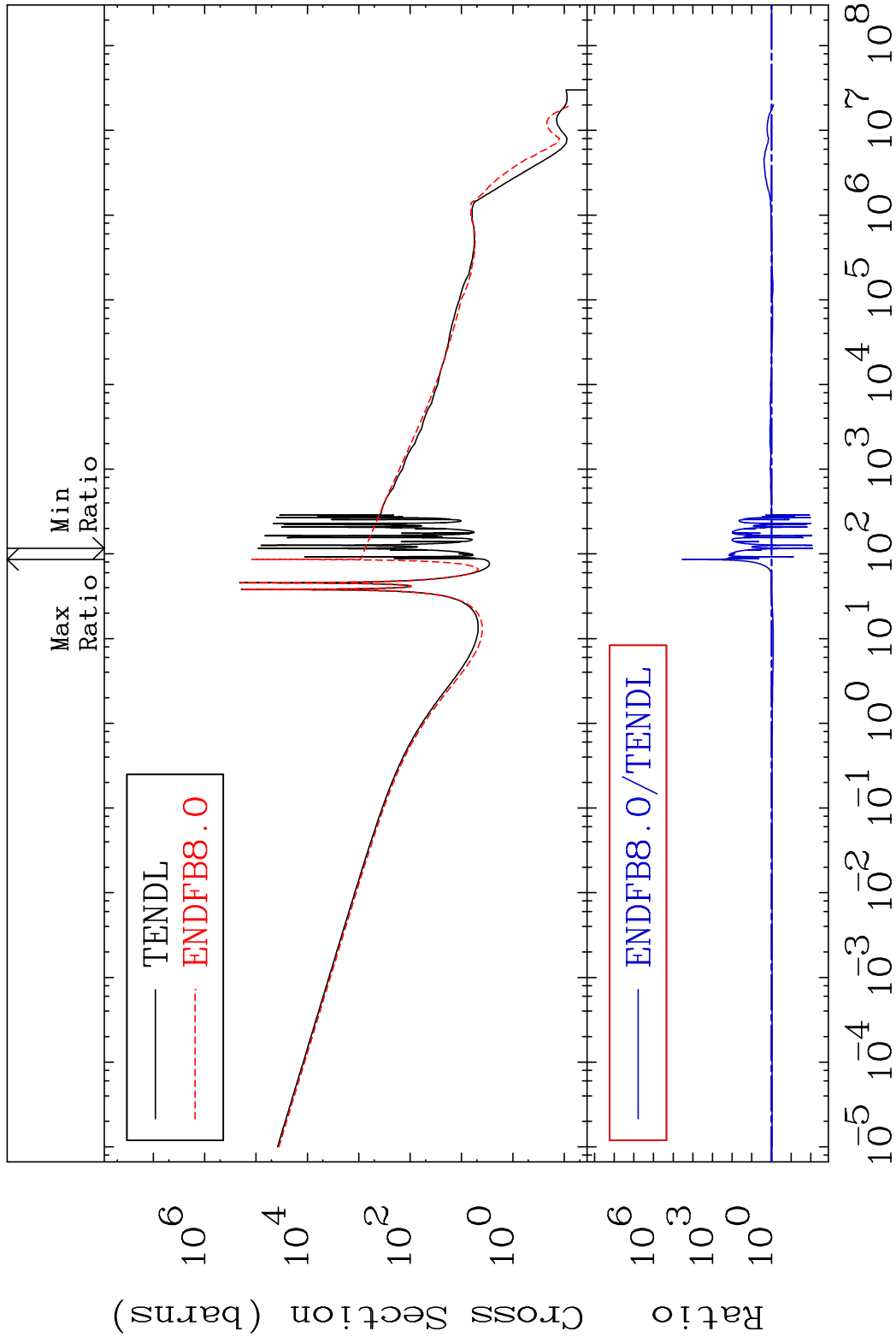
36 Incident Energy (eV) 66-Dy-158

MAT 6631 Kerma fission (mt18 or mt19-20-21-38)66-Dy-158
 Cross Section -100.0 To 79.56 %



MAT 6631

Kerma capture (mt102) 66-Dy-158
Cross Section -99.19 To 9999. %

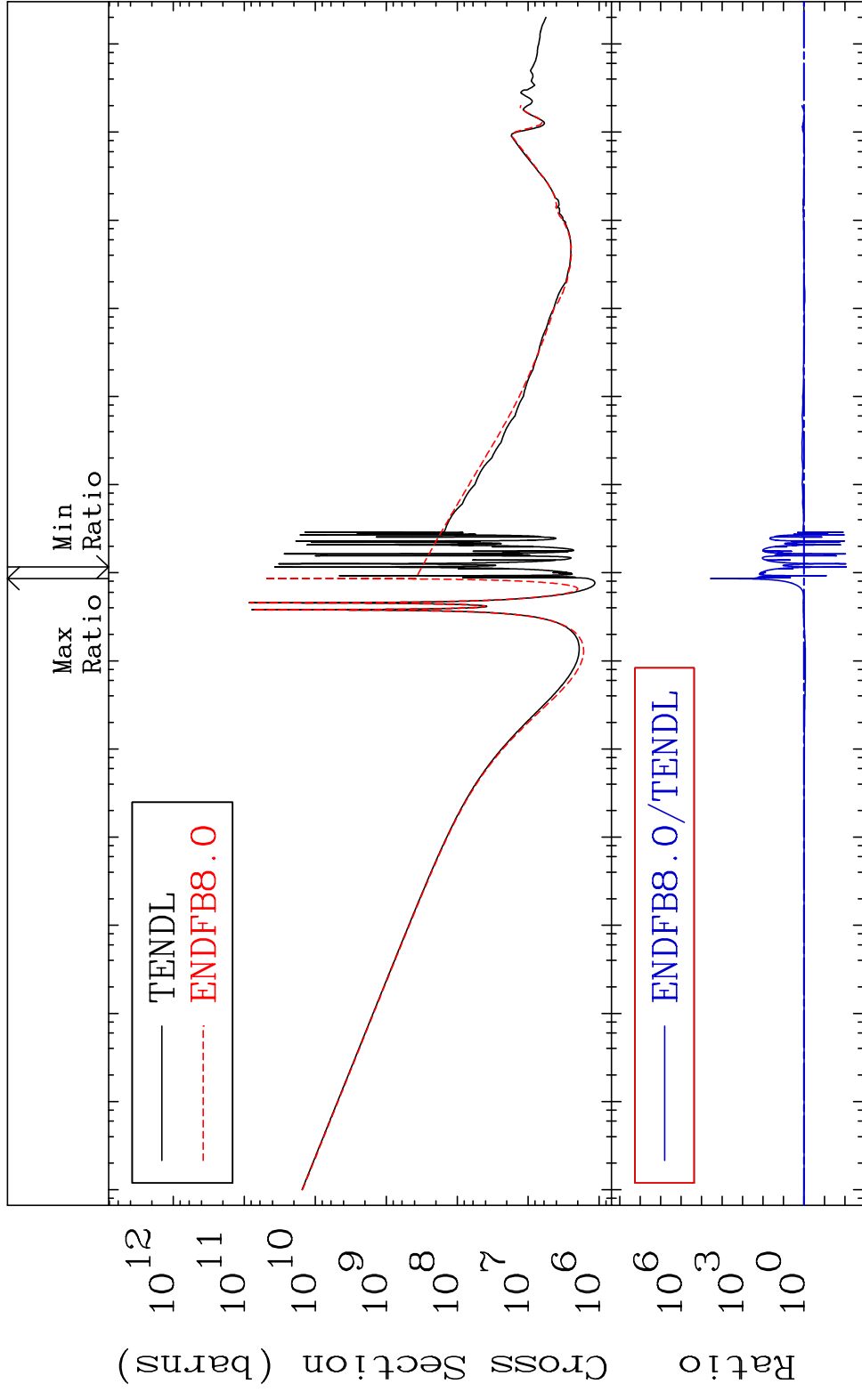


38

Incident Energy (eV)

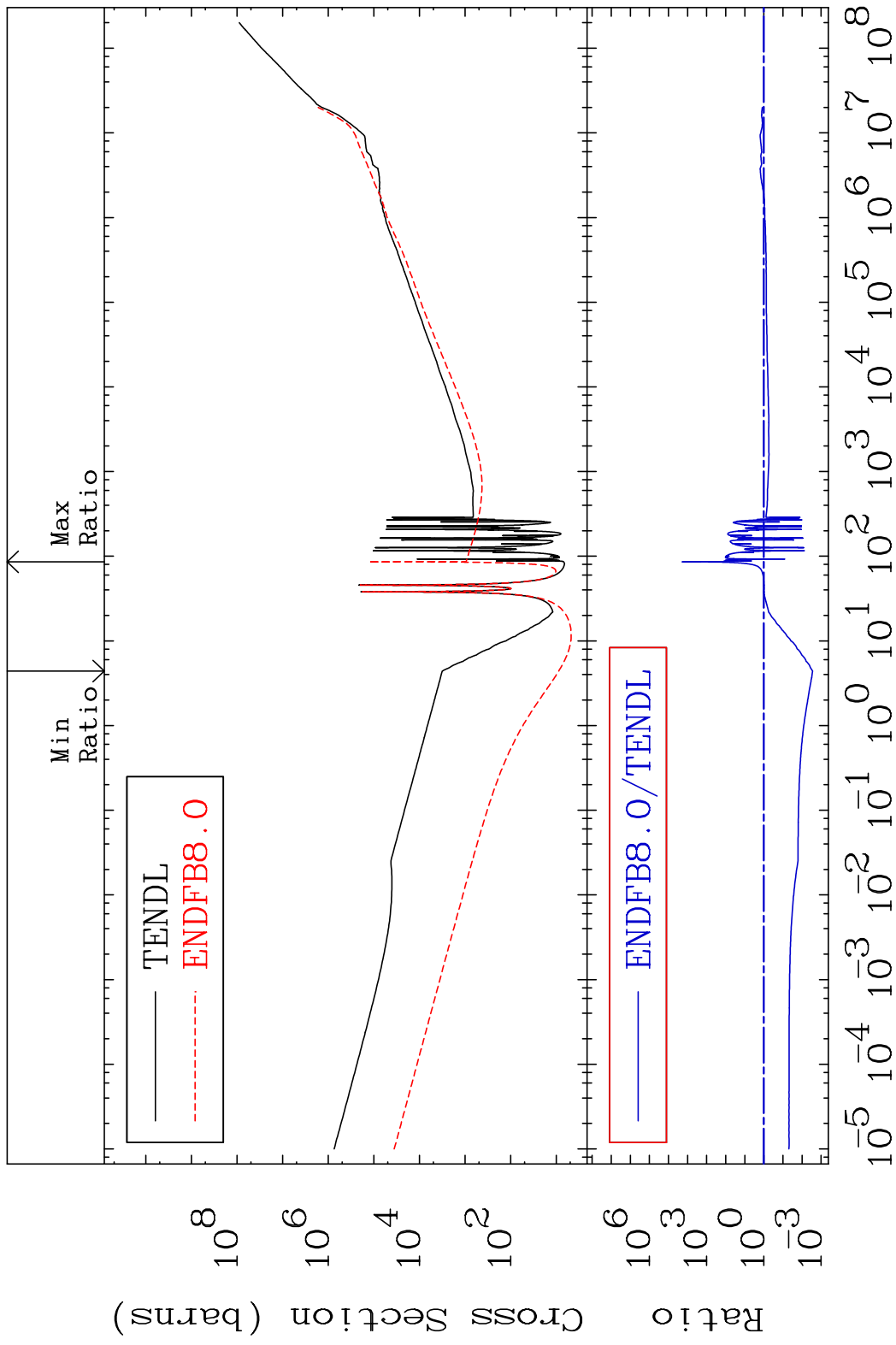
66-Dy-158

MAT 6631 Total photon (eV-barns) 66-Dy-158
 Cross Section -99.15 To 9999. %



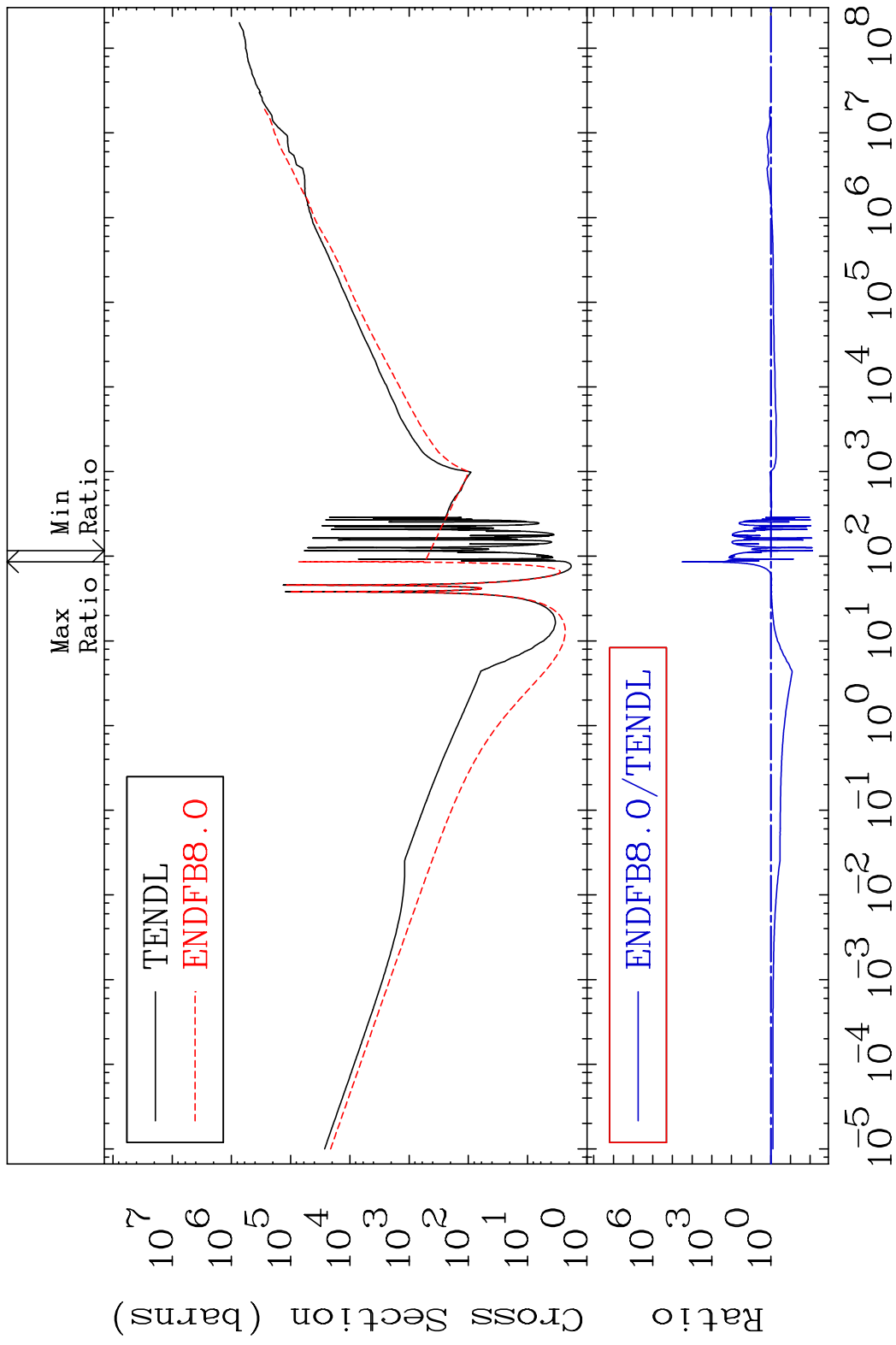
39 Incident Energy (eV) 66-Dy-158

MAT 6631 Total kinematic kerma (high limit) 66-Dy-158
 Cross Section -99.72 To 9999. %



40 Incident Energy (eV) 66-Dy-158

MAT 6631 Dpa total (eV-barns) 66-Dy-158
 Cross Section -99.24 To 9999. %



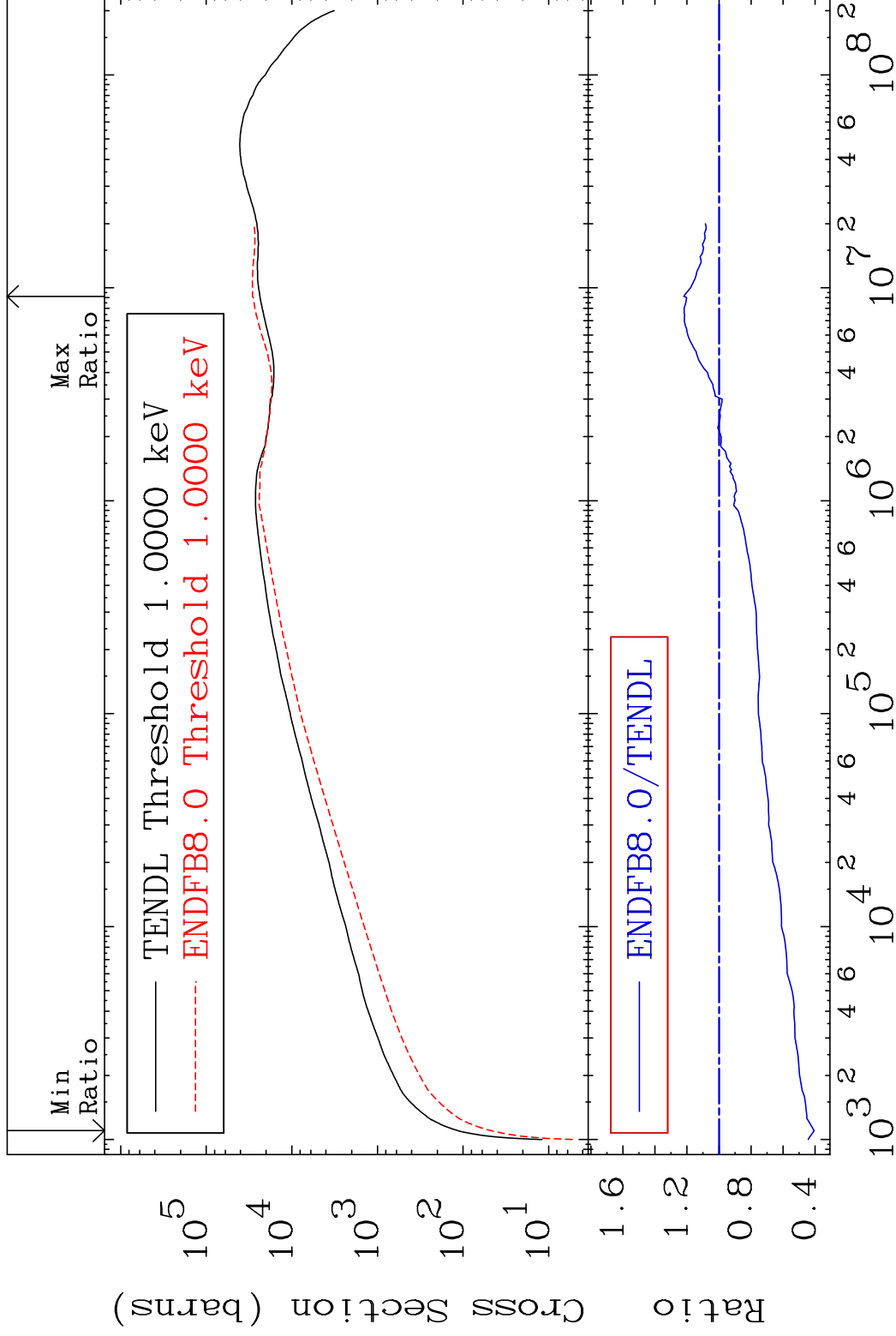
MAT 6631

Dpa elastic (mt2)

66-Dy-158

Cross Section

-59.34 To 22.07 %

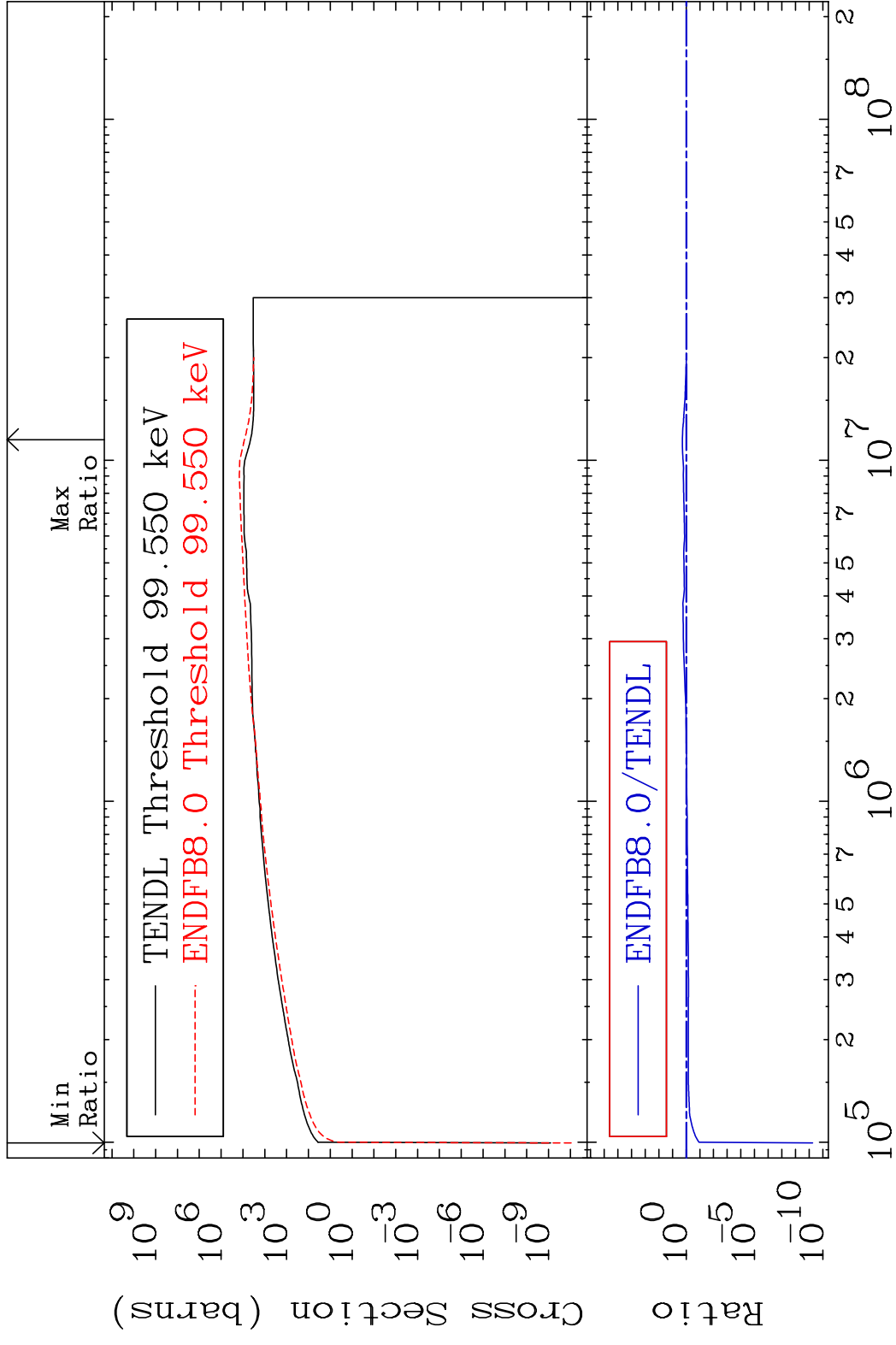


42

Incident Energy (eV)

66-Dy-158

MAT 6631 Dpa inelastic (mt51-91) 66-Dy-158
 Cross Section -100.0 To 90.64 %



43 Incident Energy (eV) 66-Dy-158

MAT 6631 Dpa disappearance (mt102 -120) 66-Dy-158
 Cross Section -99.24 To 9999. %

