

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

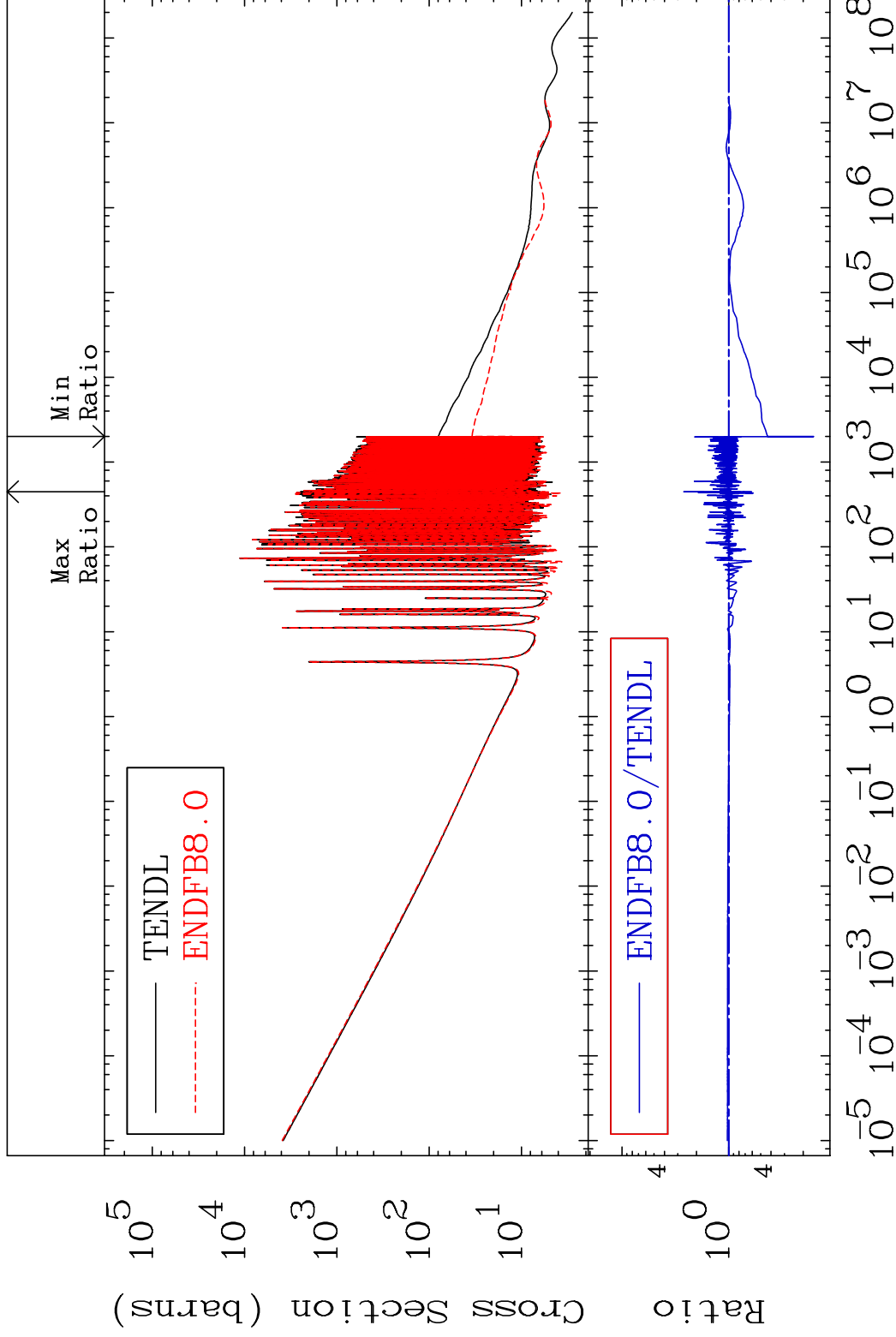
MAT 7531

Total

75-Re-187

Cross Section

-84.23 To 164.1 %



1

Incident Energy (eV)

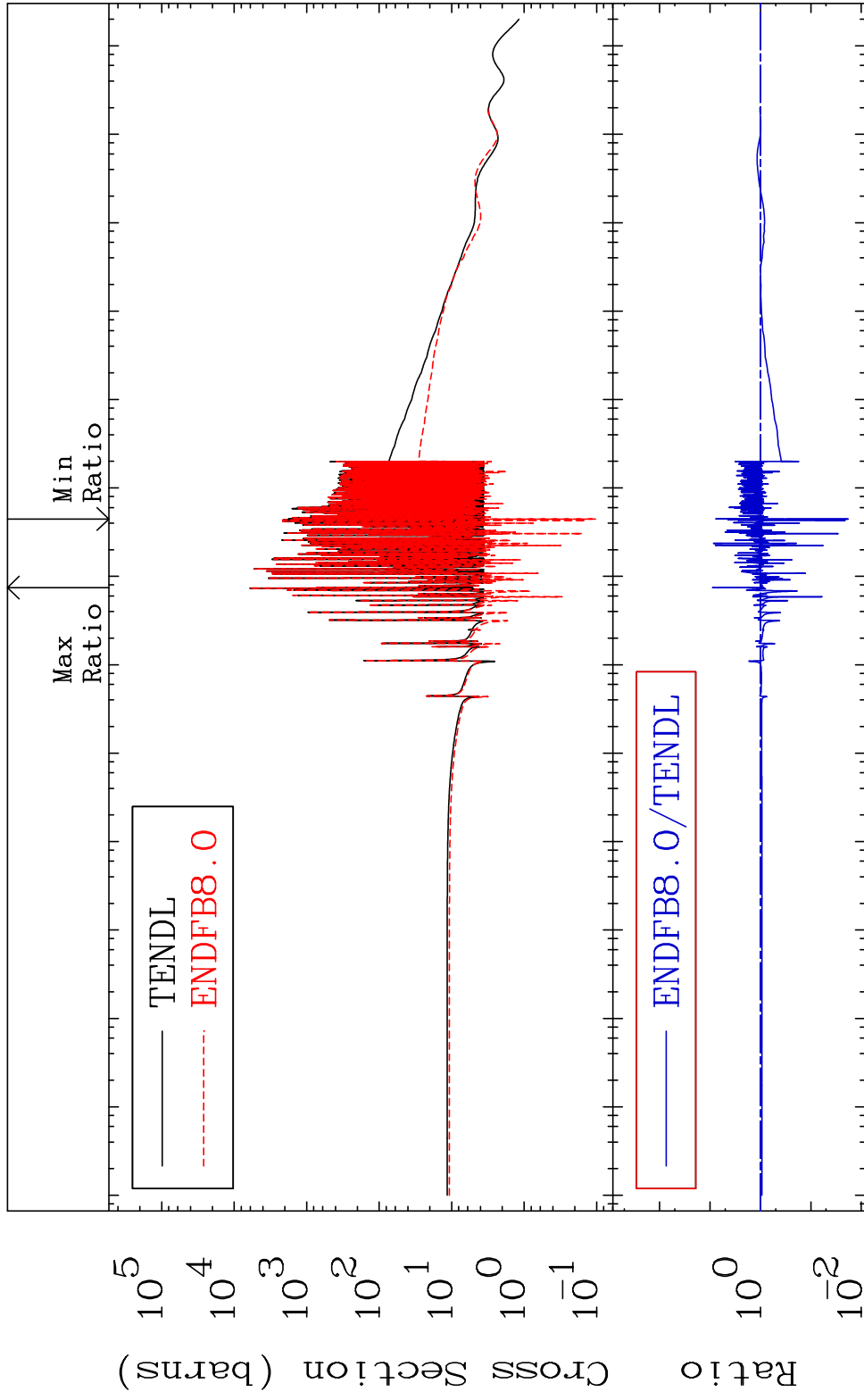
75-Re-187

MAT 7531

Elastic

75-Re-187

Cross Section -98.19 To 798.3 %

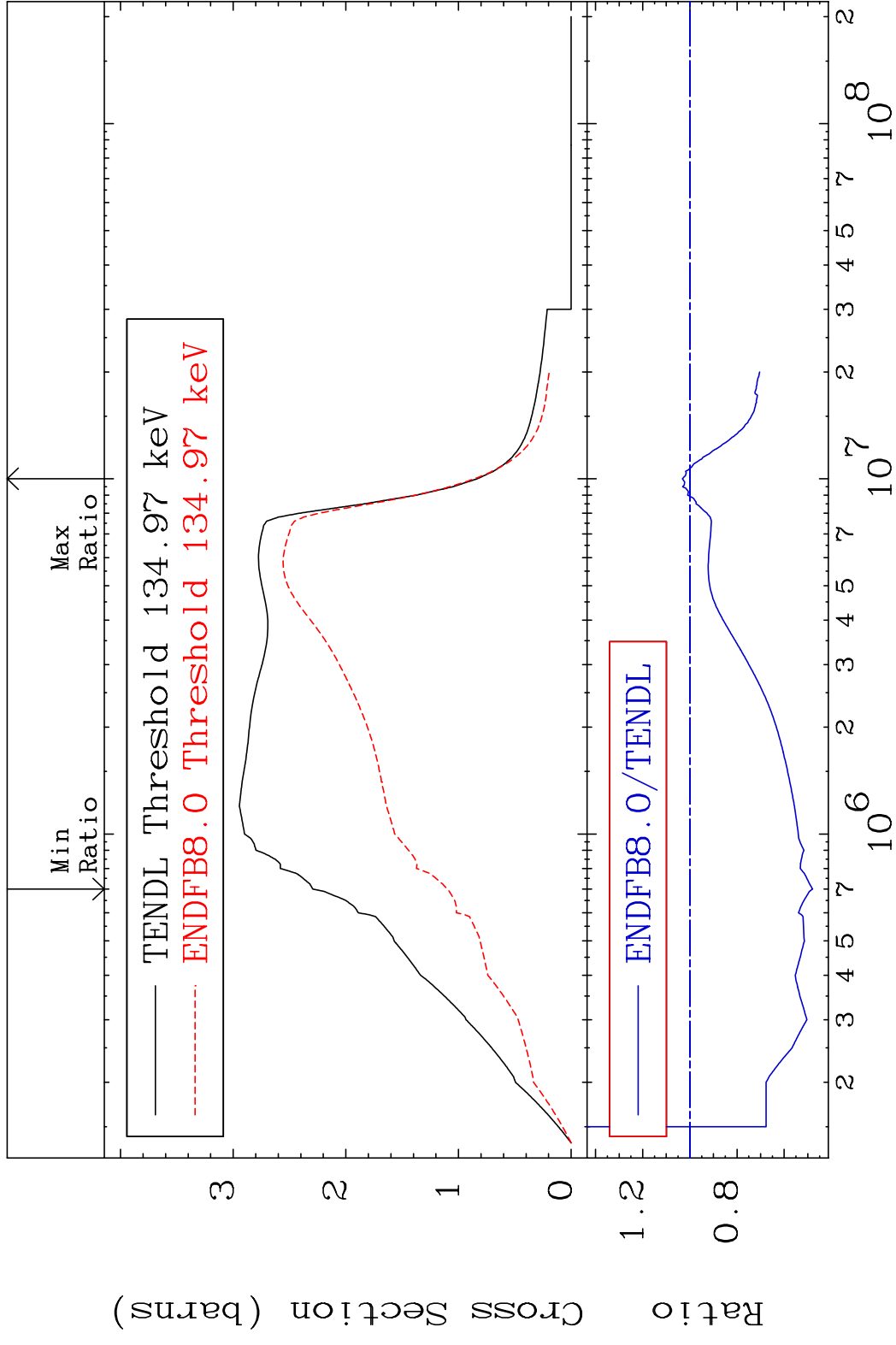


2

Incident Energy (eV)

75-Re-187

MAT 7531 Inelastic Cross Section 75-Re-187
 -52.03 To 3.190 %

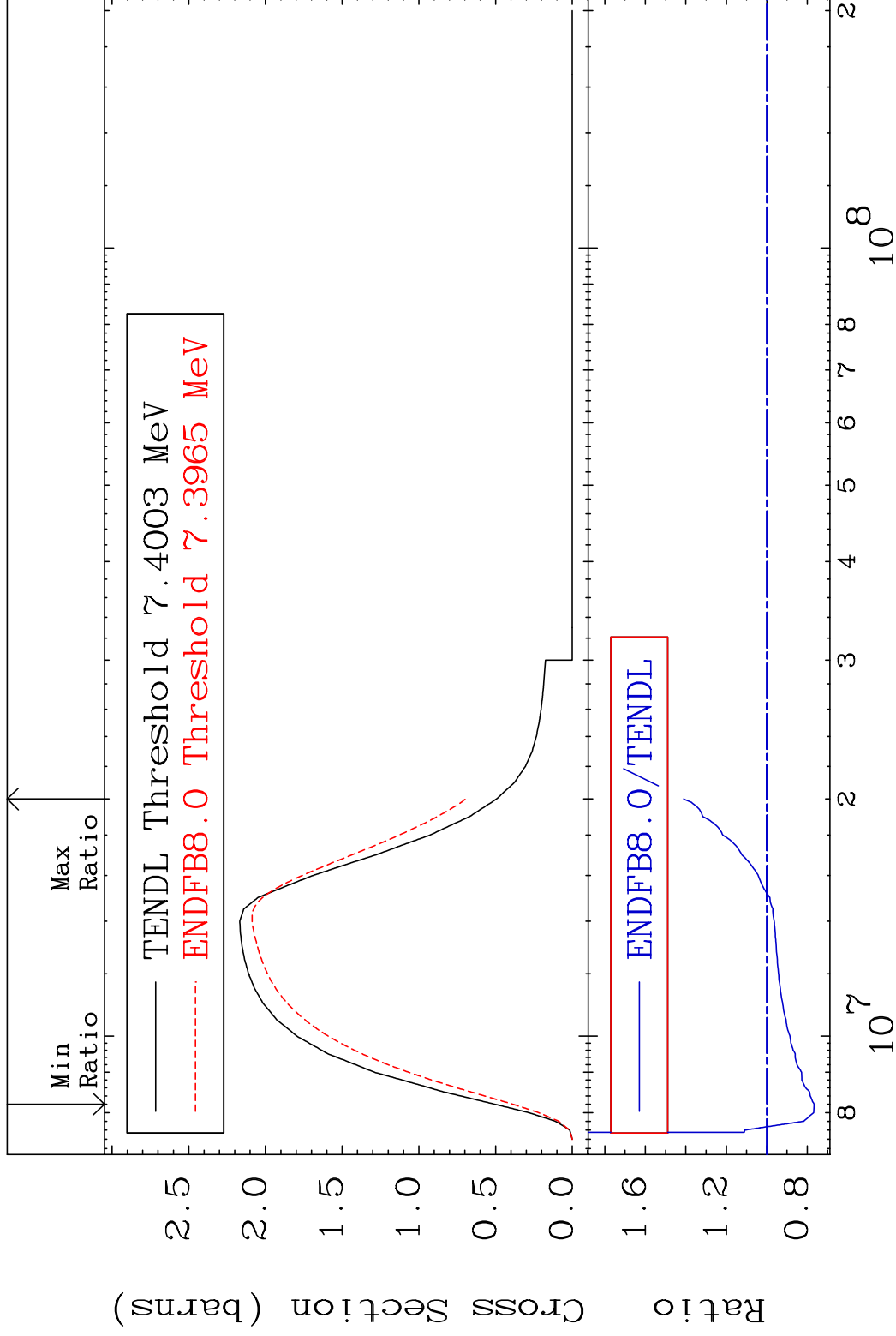


MAT 7531

(n,2n)

75-Re-187

Cross Section -23.35 To 41.06 %



4

Incident Energy (eV)

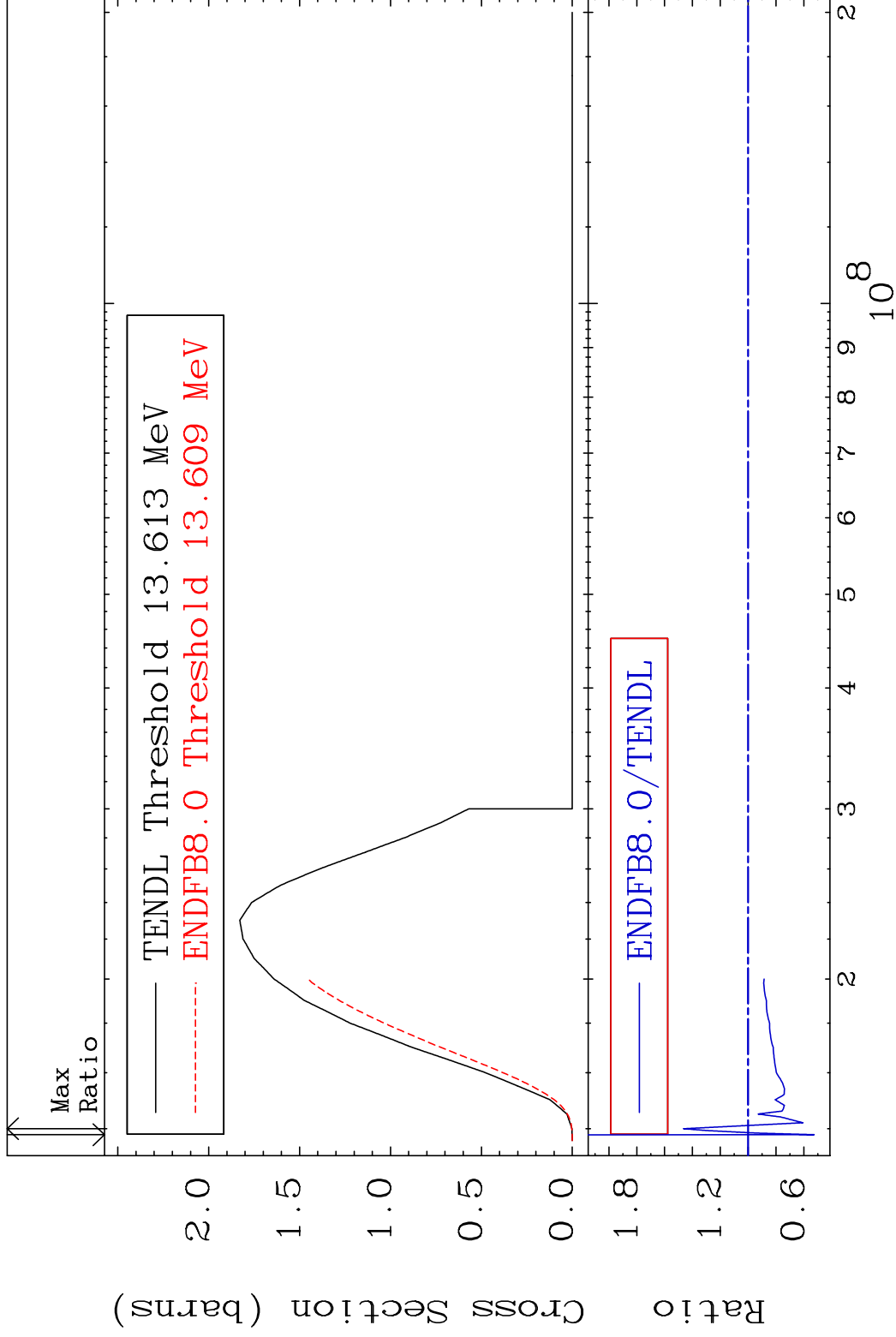
75-Re-187

MAT 7531

(n,3n)

75-Re-187

Cross Section -47.35 To 46.32 %



5

Incident Energy (eV)

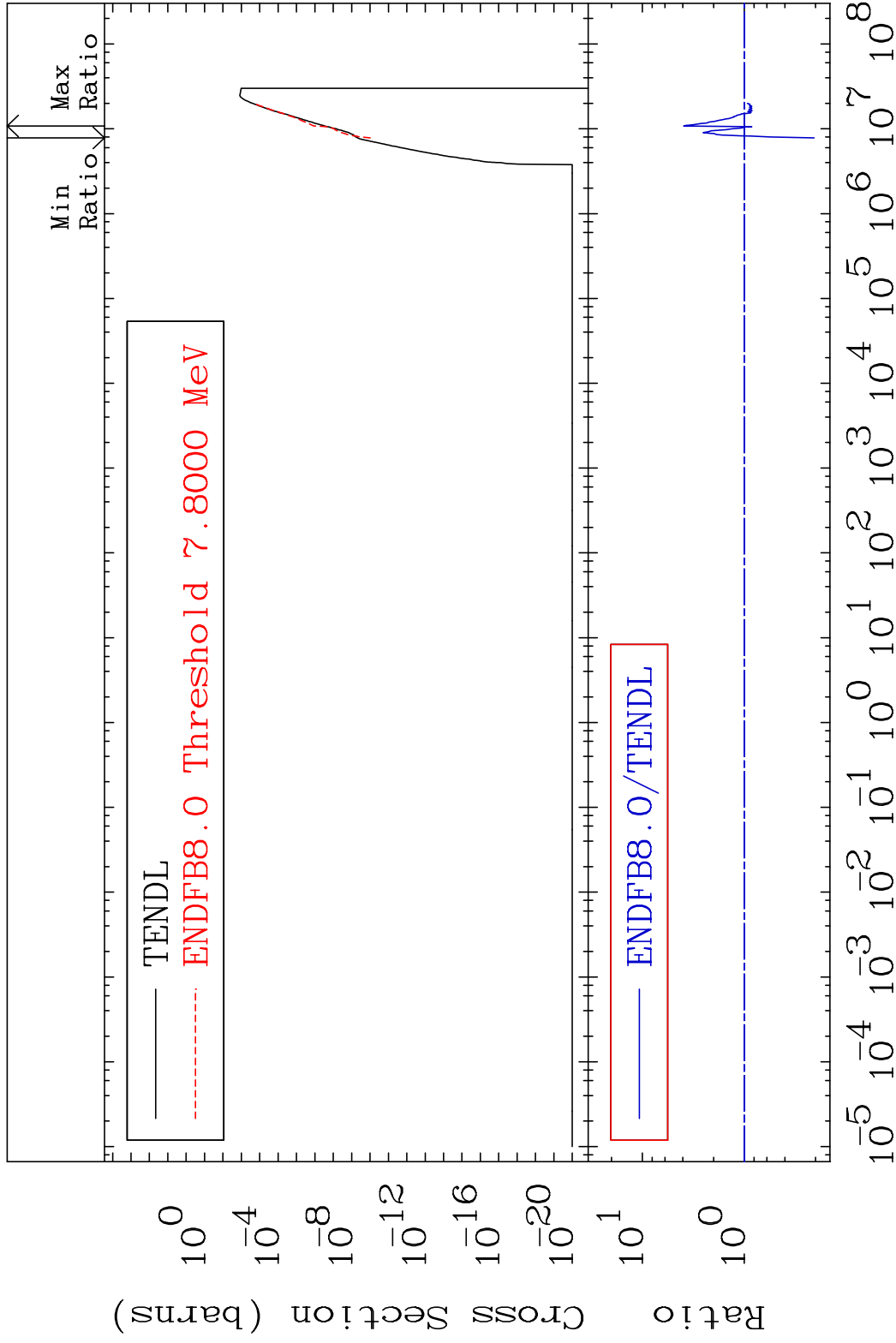
75-Re-187

MAT 7531

(n, n') α

75-Re-187

Cross Section -79.35 To 293.0 %



6

Incident Energy (eV)

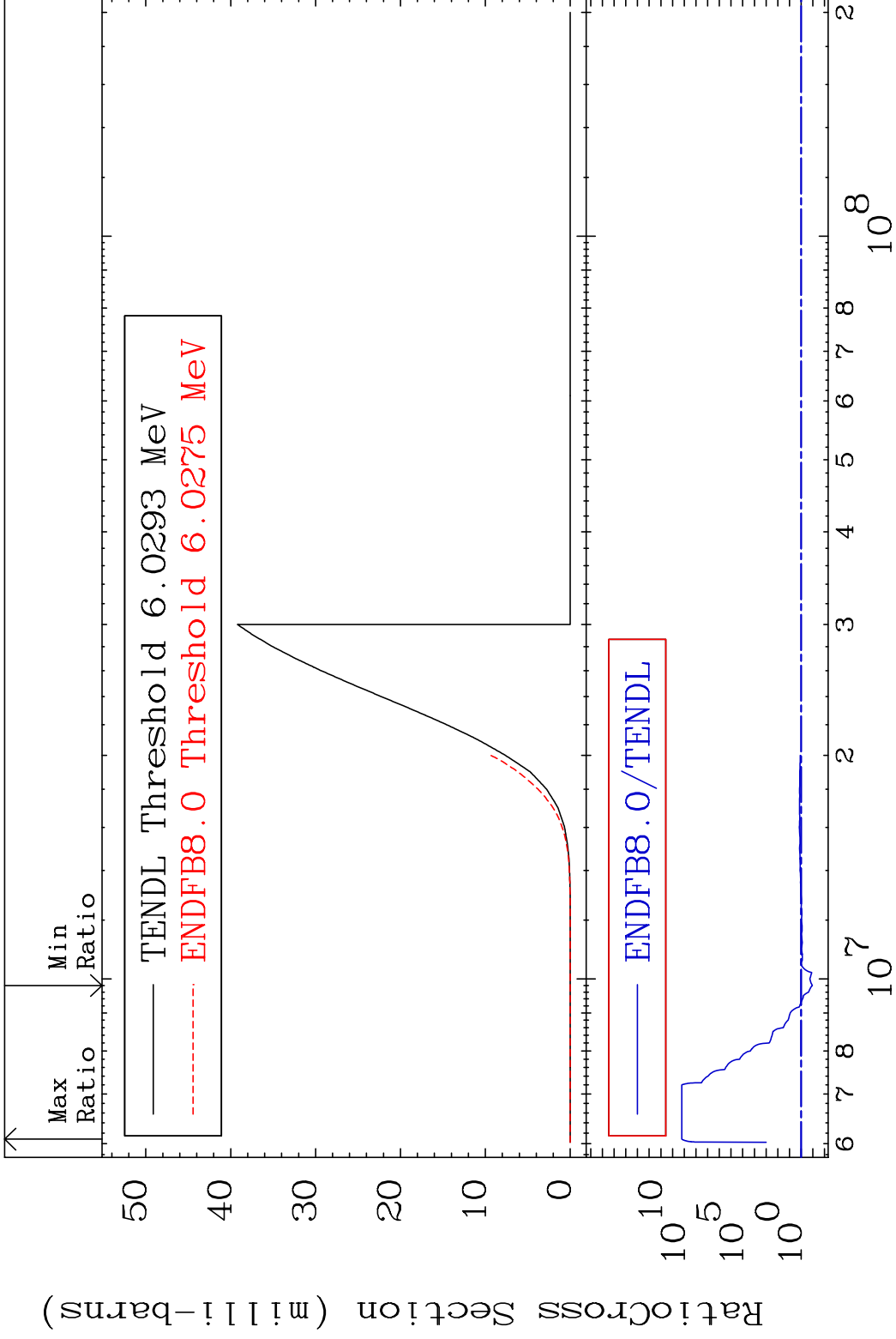
75-Re-187

MAT 7531

(n, n') p

75-Re-187

Cross Section -88.81 To 9999. %

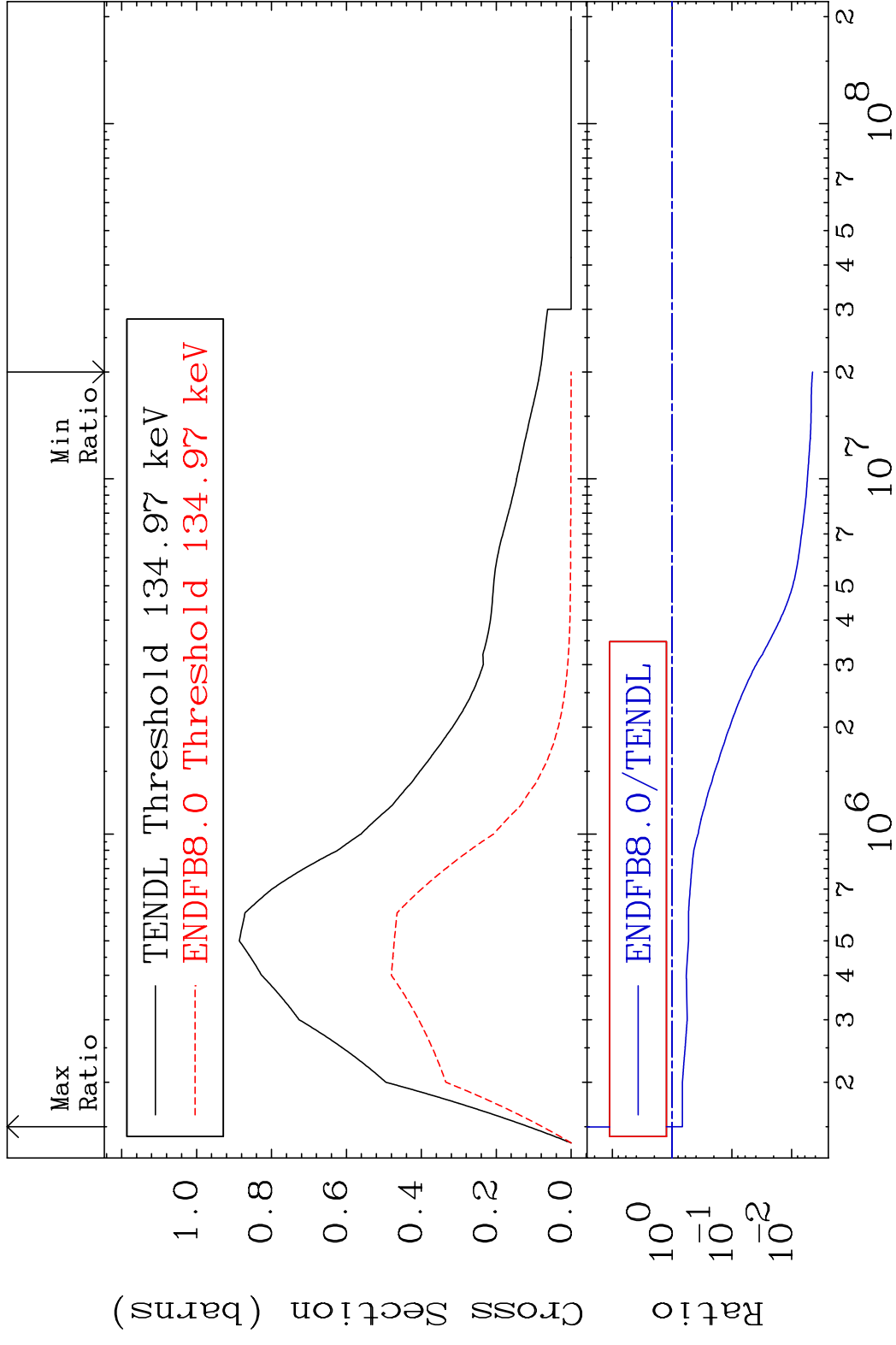


7

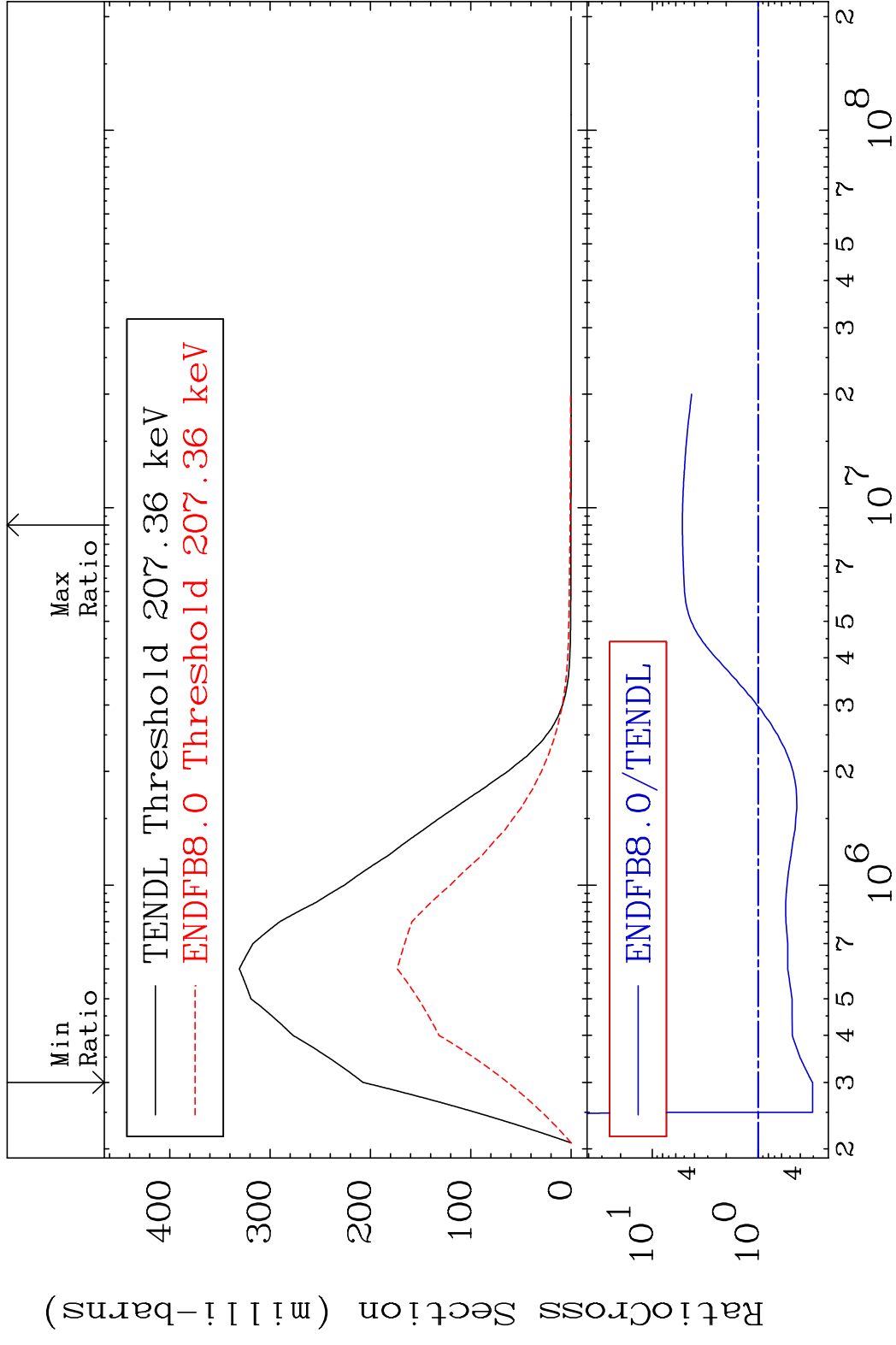
Incident Energy (eV)

75-Re-187

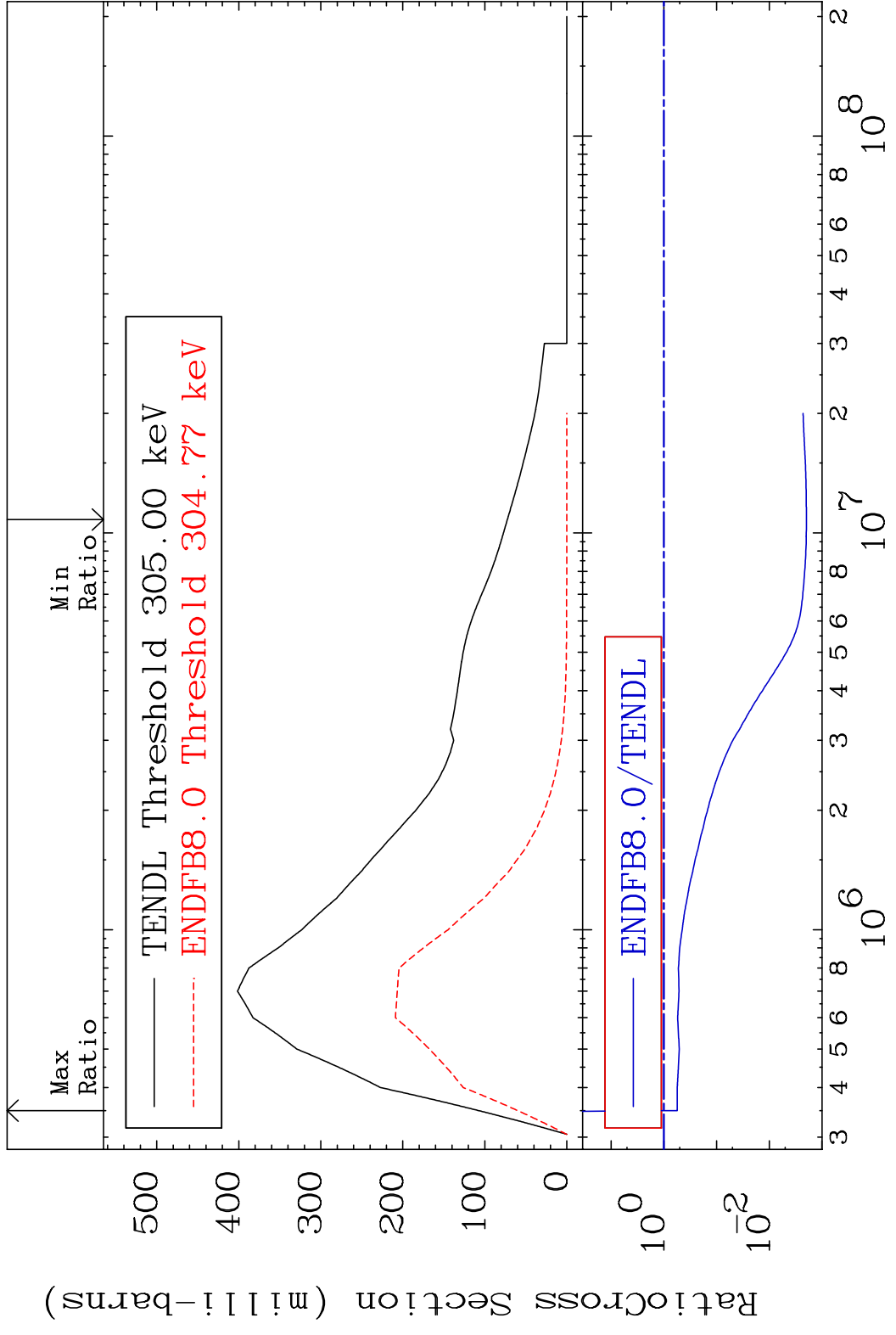
MAT 7531 MT= 51 (n,n') Level 75-Re-187
 Cross Section -99.55 To -32.35%



MAT 7531 MT= 52 (n, n') Level 75-Re-187
 Cross Section -69.45 To 420.3 %

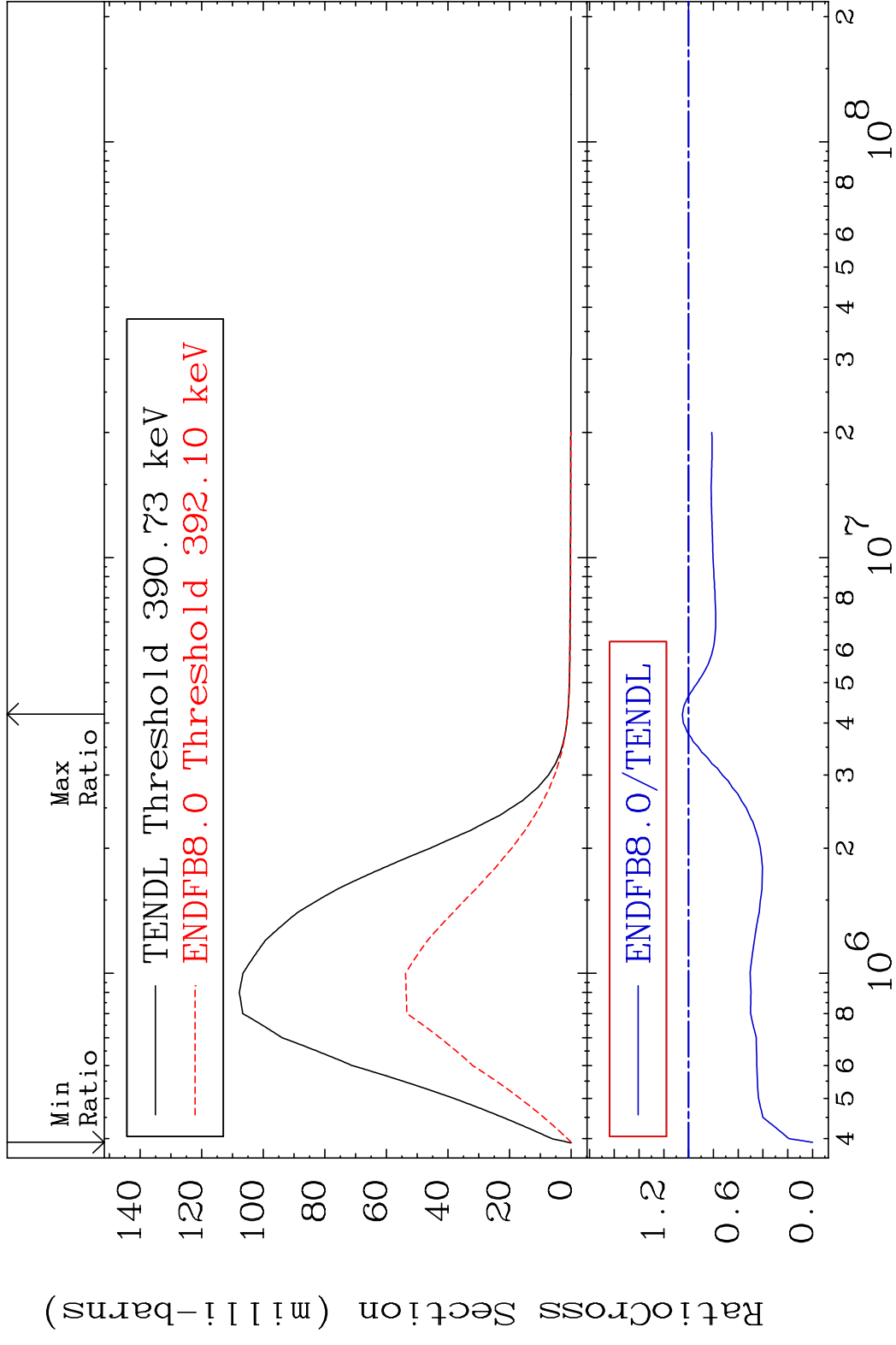


MAT 7531 MT= 53 (n, n') Level 75-Re-187
 Cross Section -99.80 To -44.23%

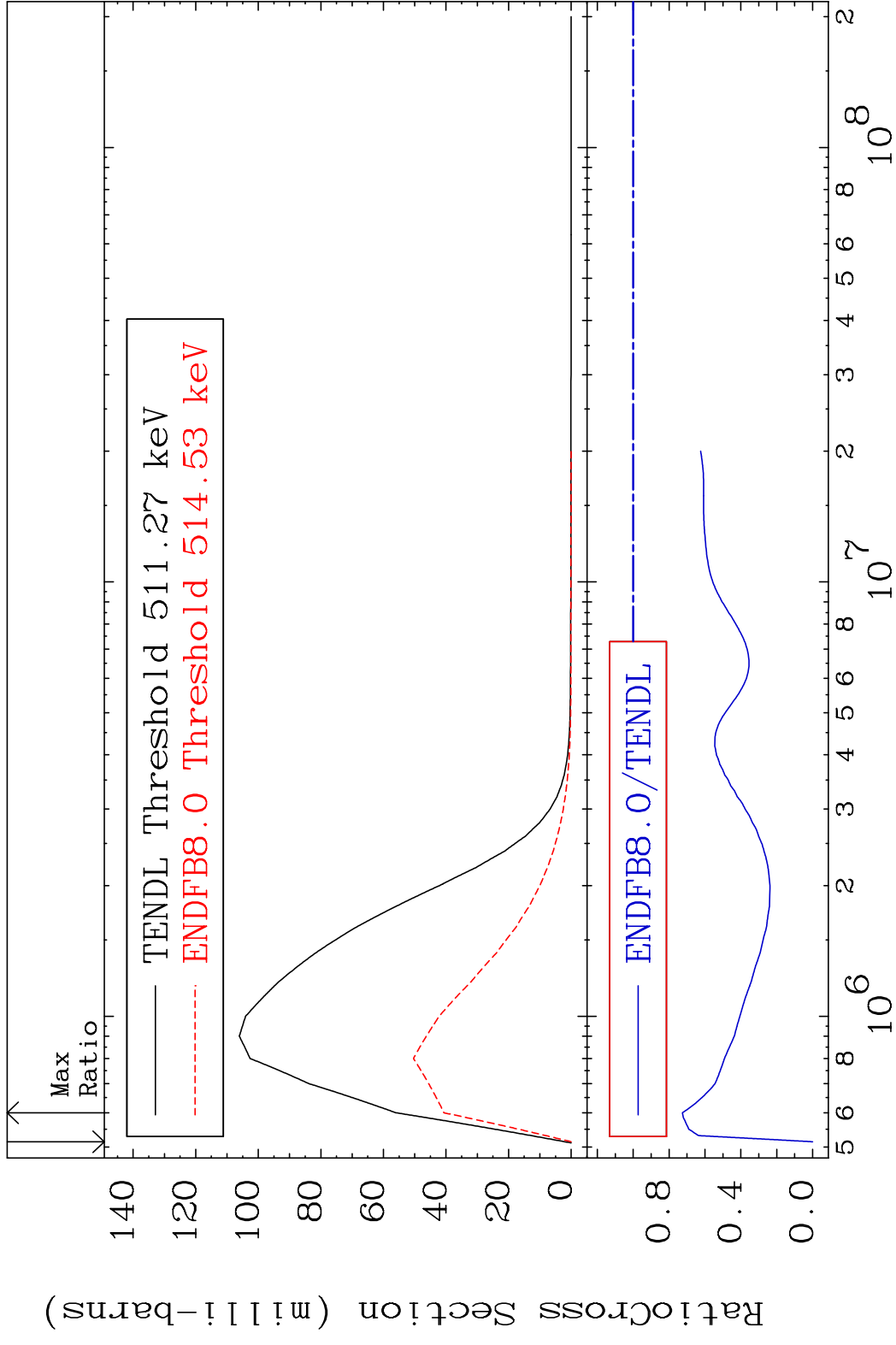


10 Incident Energy (eV) 75-Re-187

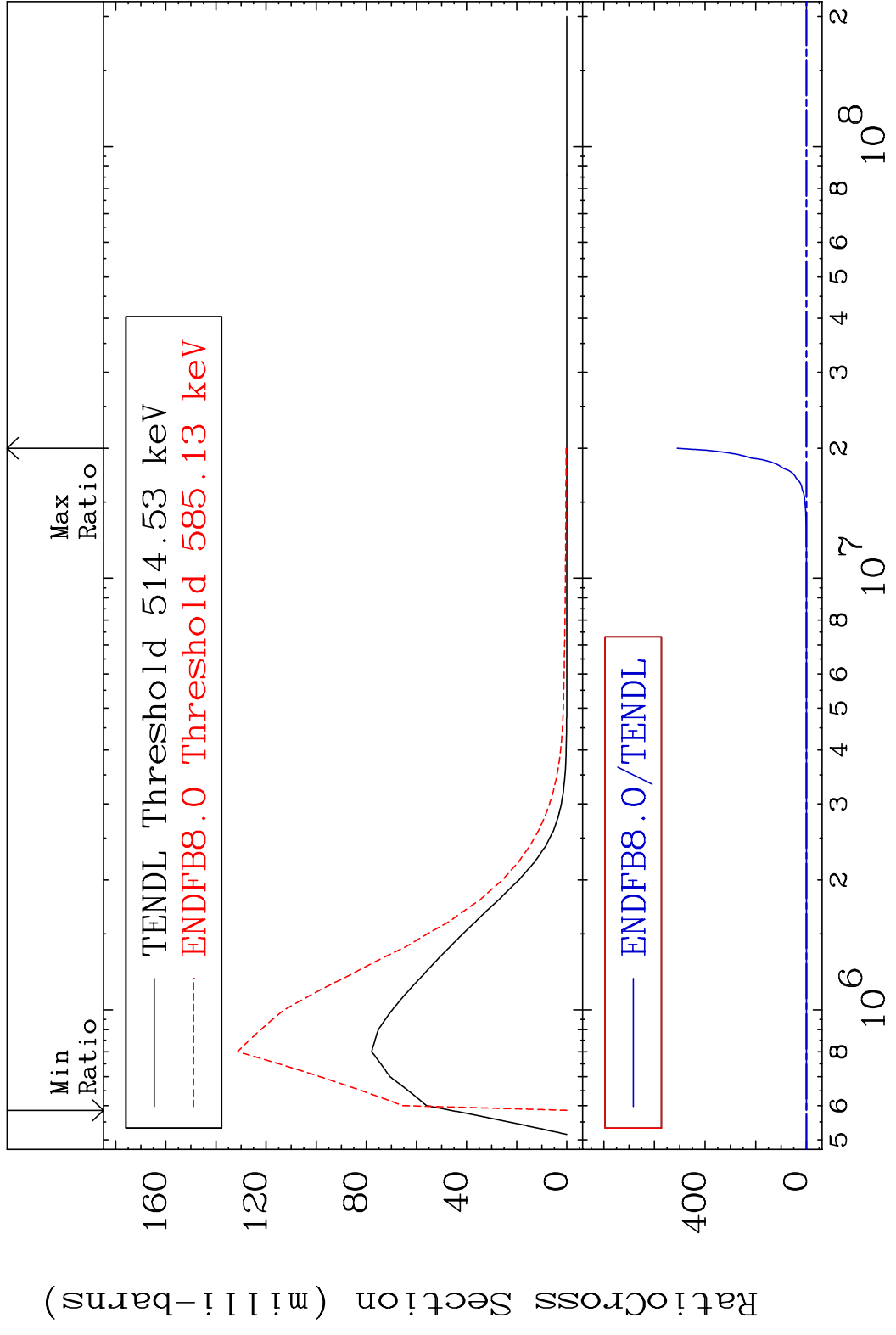
MAT 7531 MT= 54 (n,n') Level 75-Re-187
 Cross Section -100.0 To 5.056 %



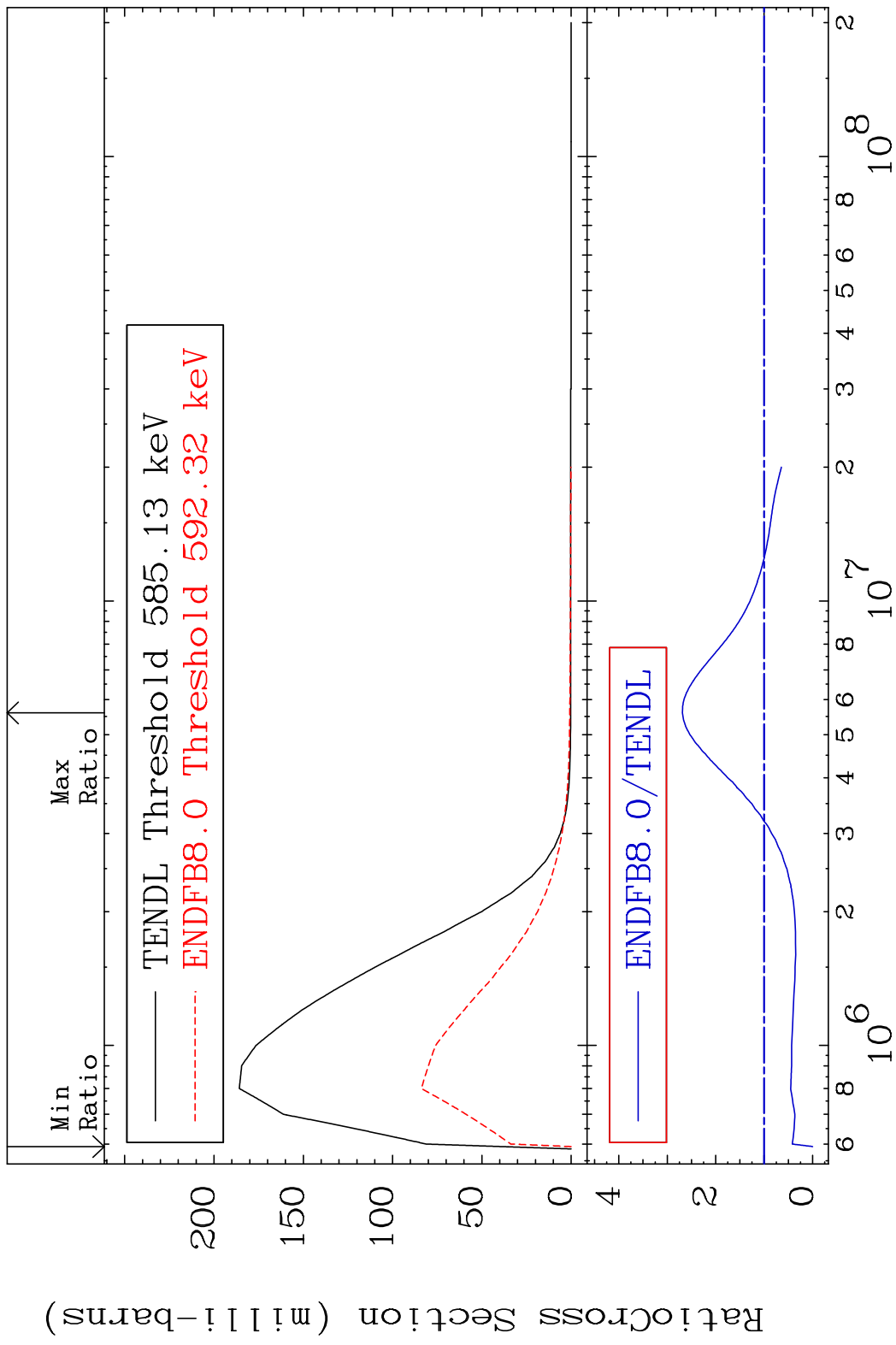
MAT 7531 MT= 55 (n,n') Level 75-Re-187
 Cross Section -100.0 To -27.40%



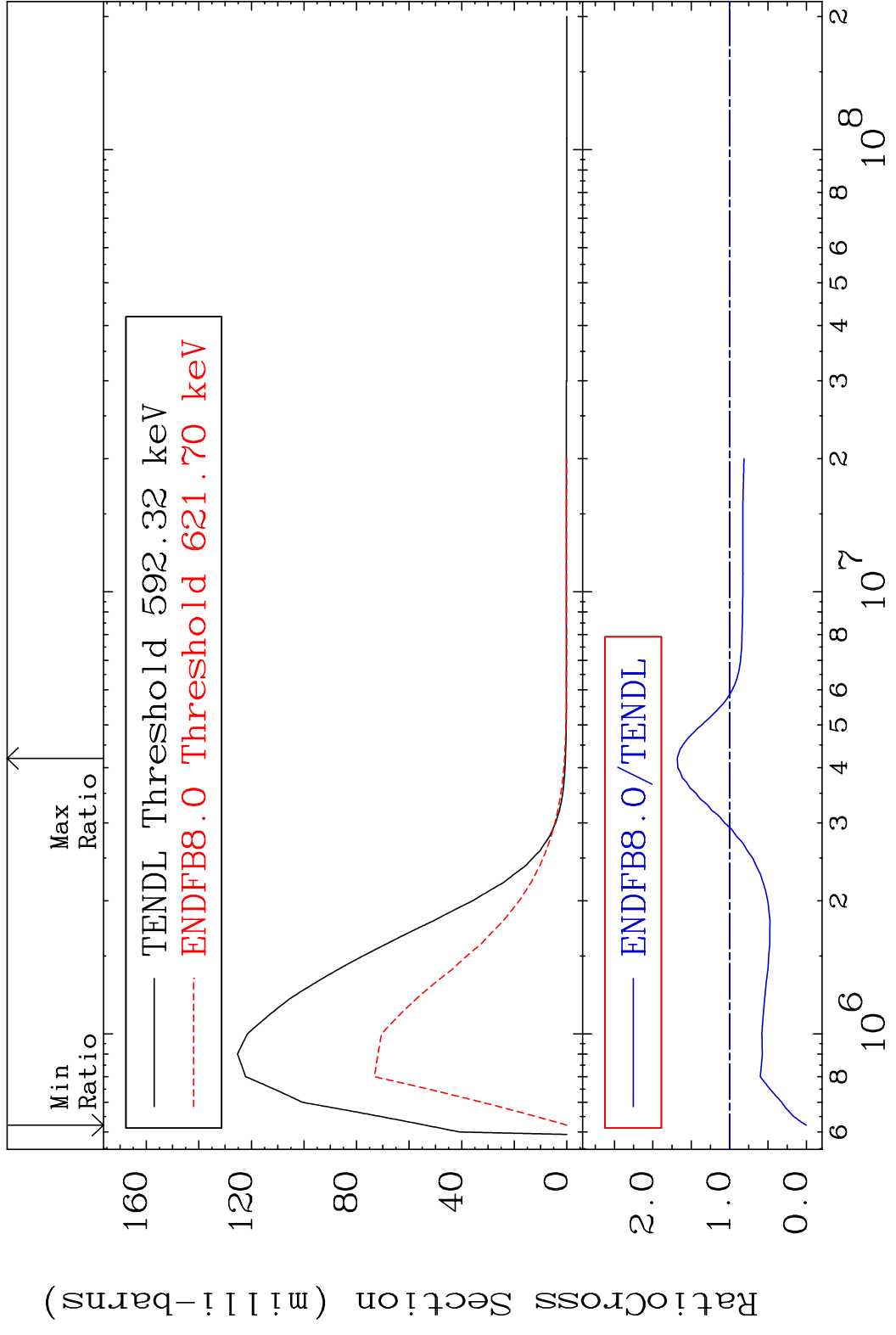
MAT 7531 MT= 56 (n, n') Level 75-Re-187
 Cross Section -100.0 To 9999. %



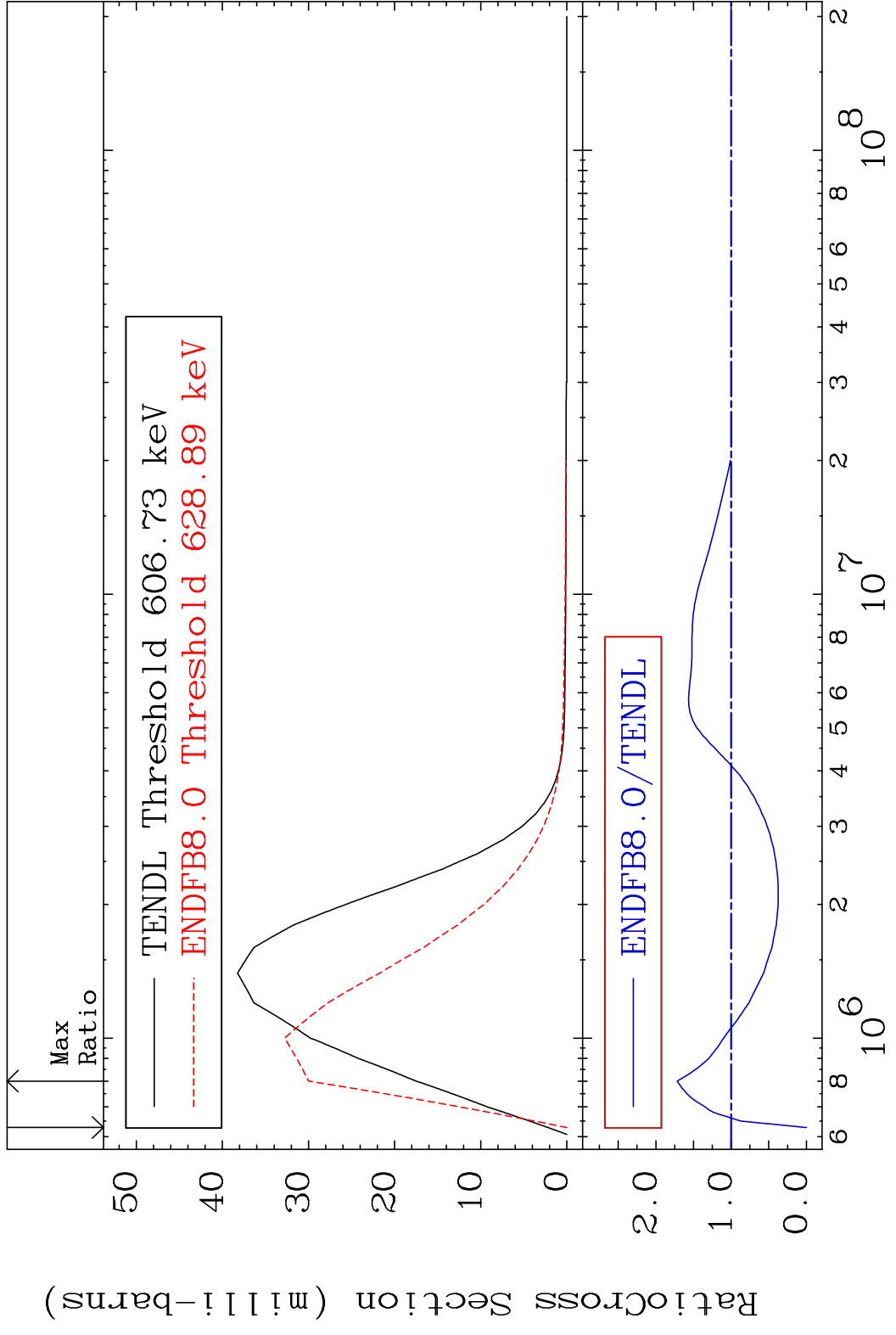
MAT 7531 MT= 57 (n, n') Level 75-Re-187
 Cross Section -100.0 To 168.8 %



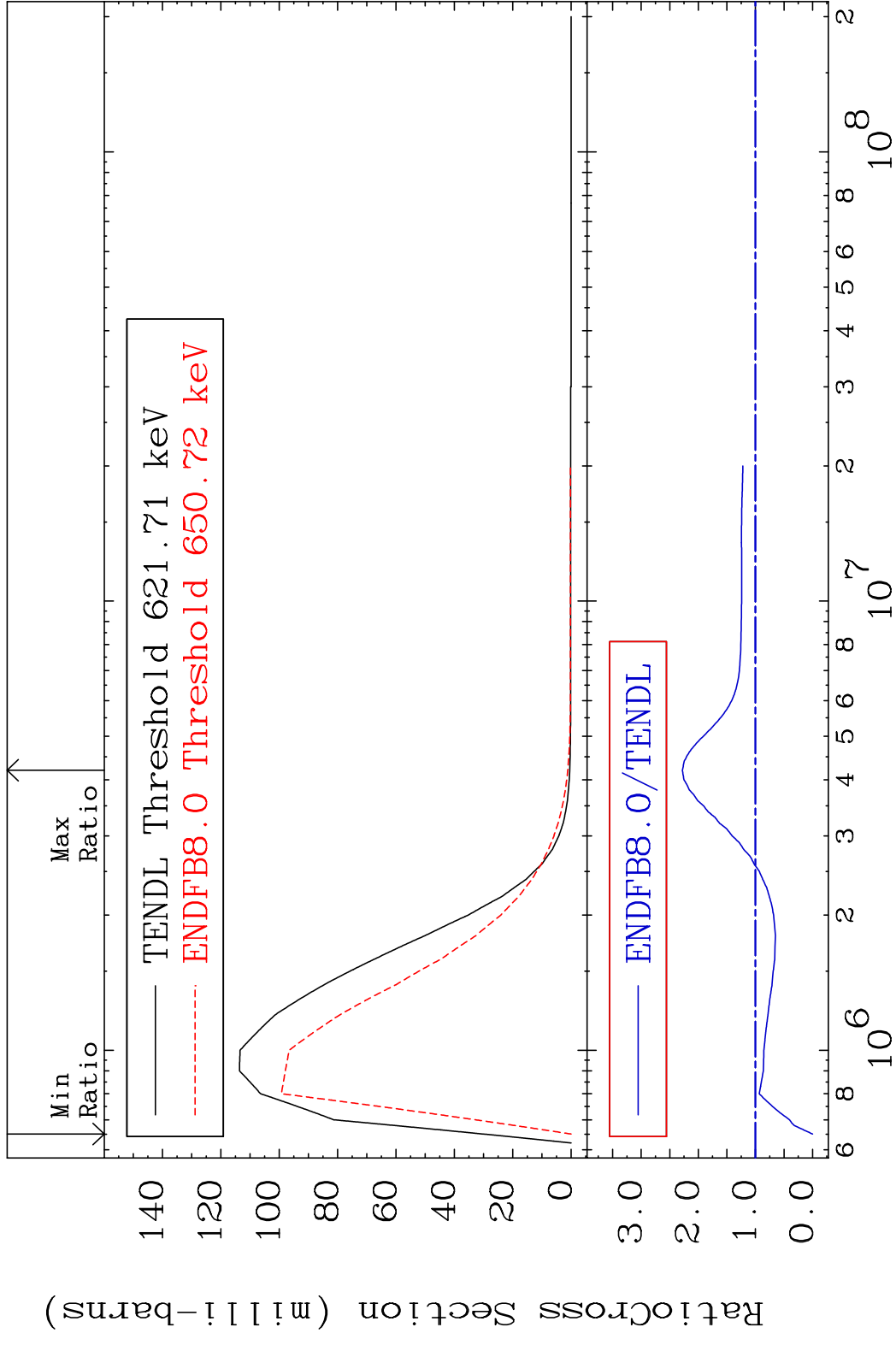
MAT 7531 MT= 58 (n, n') Level 75-Re-187
 Cross Section -100.0 To 68.27 %



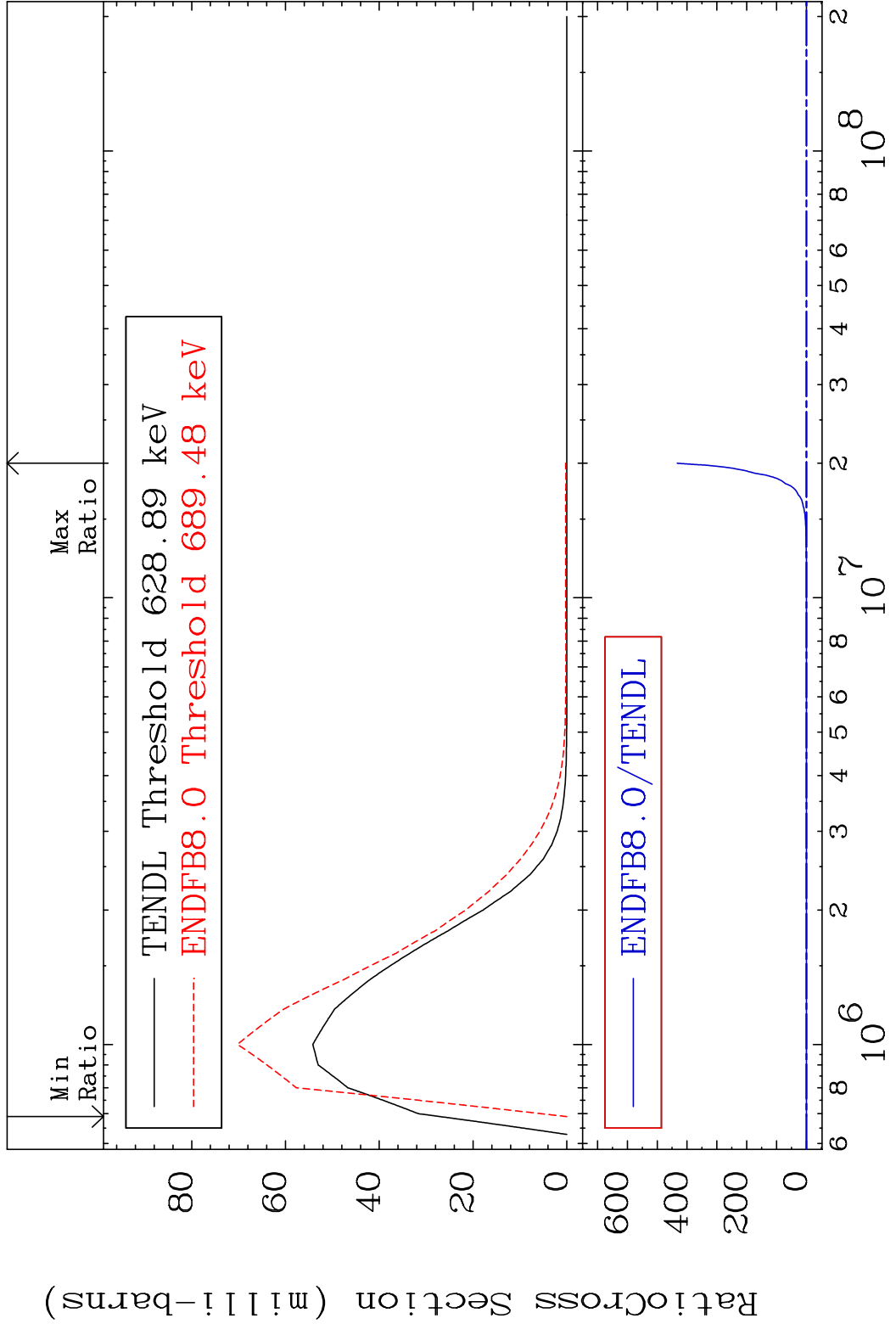
MAT 7531 MT= 59 (n,n') Level 75-Re-187
 Cross Section -100.0 To 71.66 %



MAT 7531 MT= 60 (n, n') Level 75-Re-187
 Cross Section -100.0 To 127.9 %

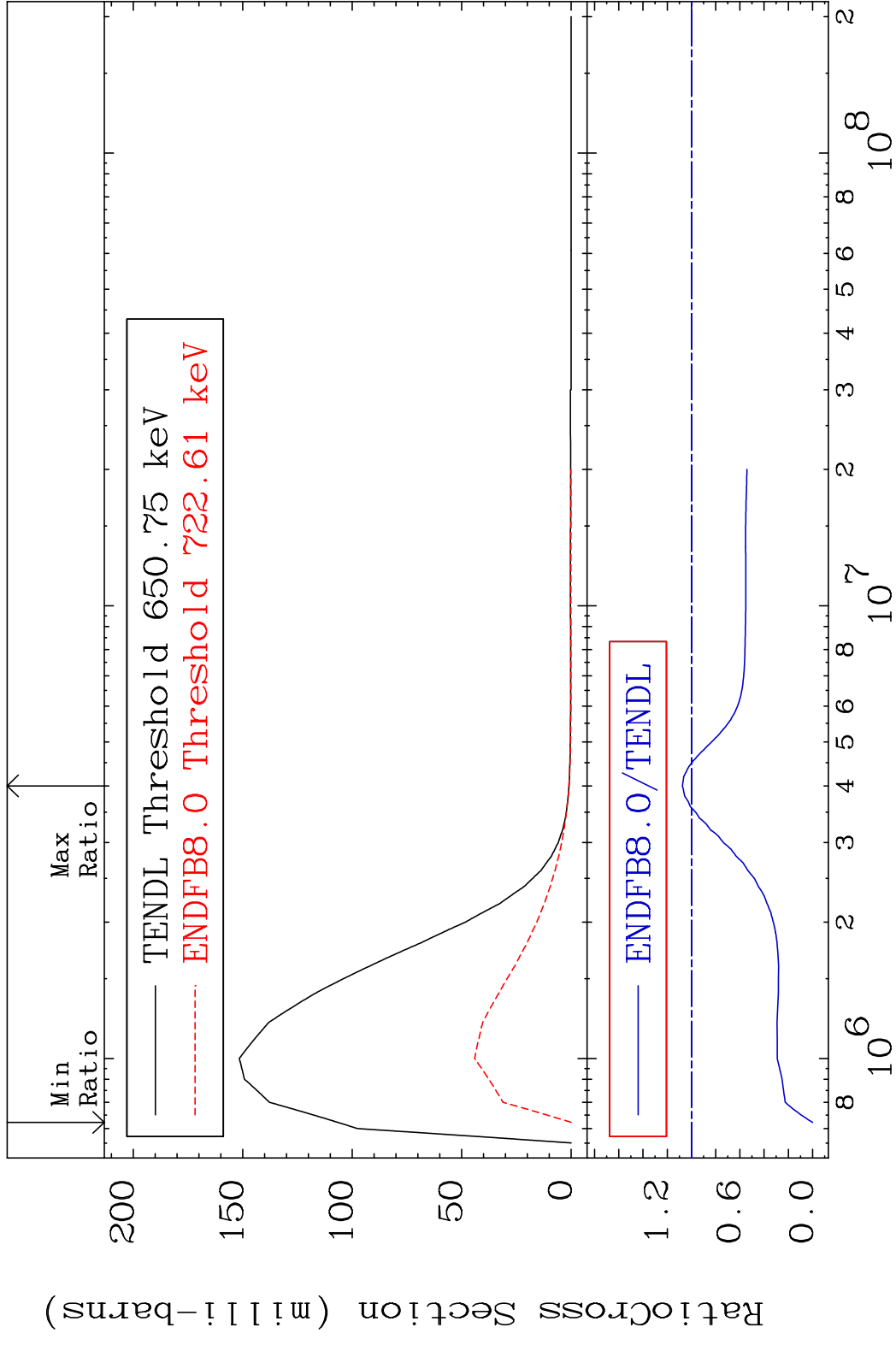


MAT 7531 MT= 61 (n, n') Level 75-Re-187
 Cross Section -100.0 To 9999. %

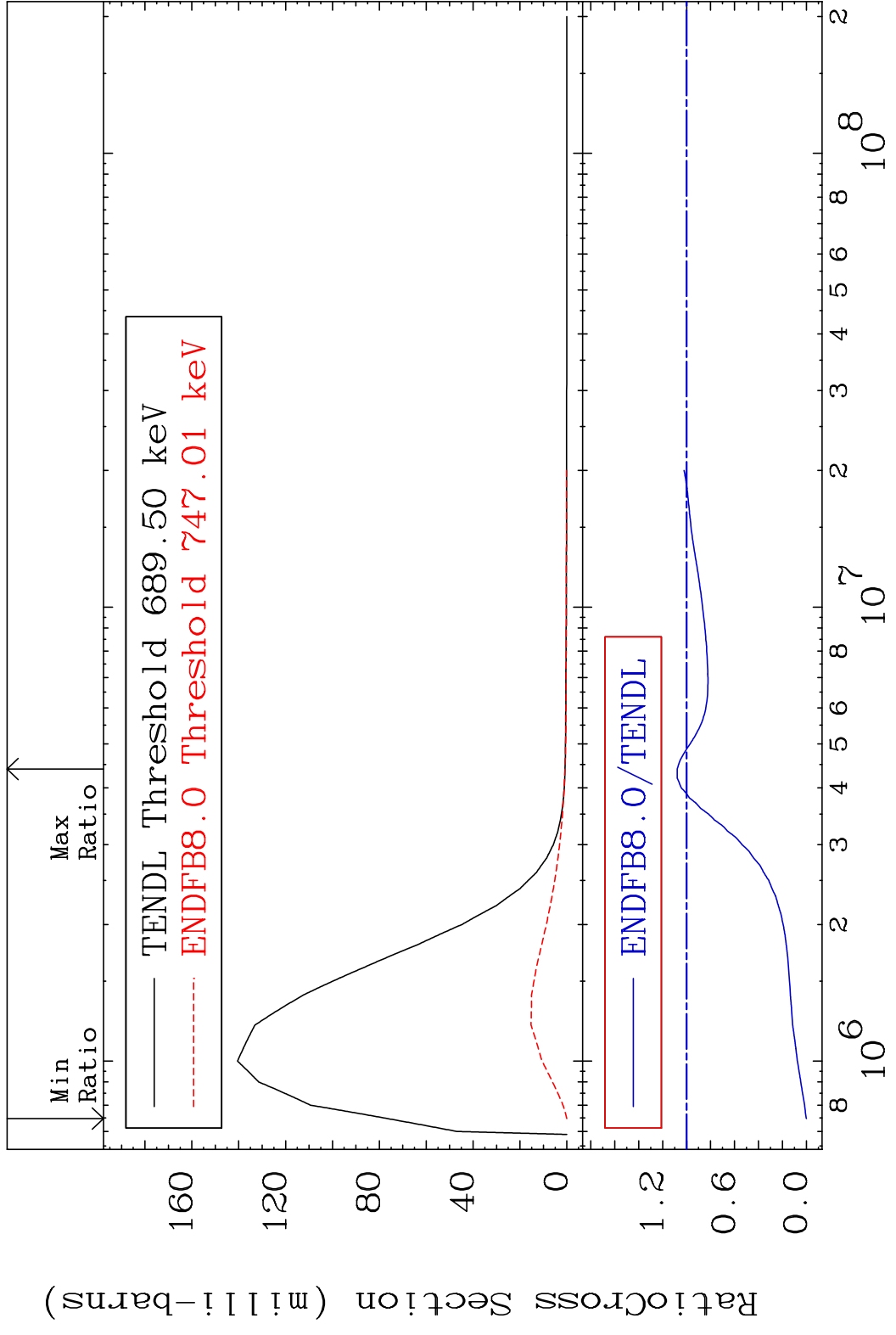


18 Incident Energy (eV) 75-Re-187

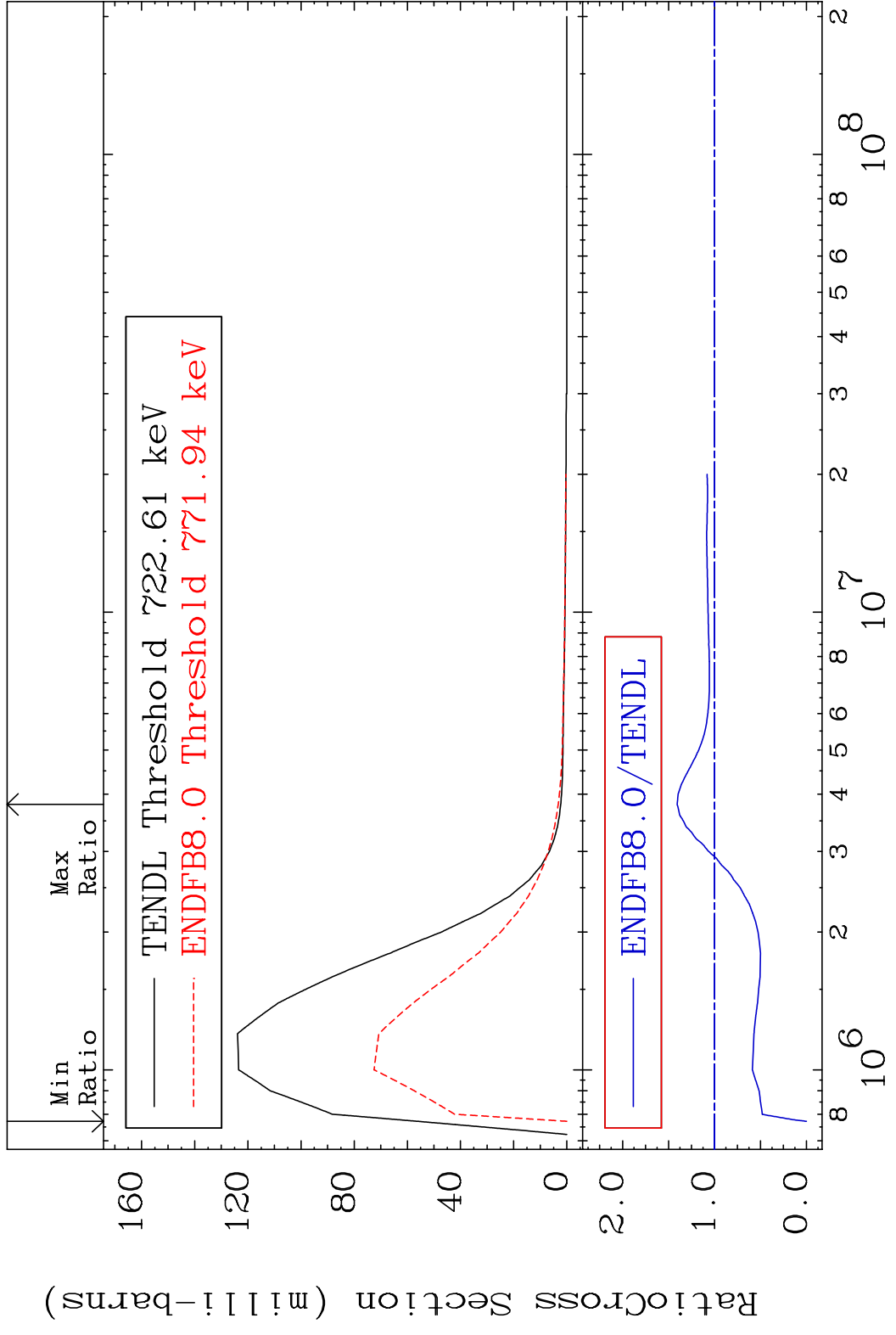
MAT 7531 MT= 62 (n,n') Level 75-Re-187
 Cross Section -100.0 To 7.511 %



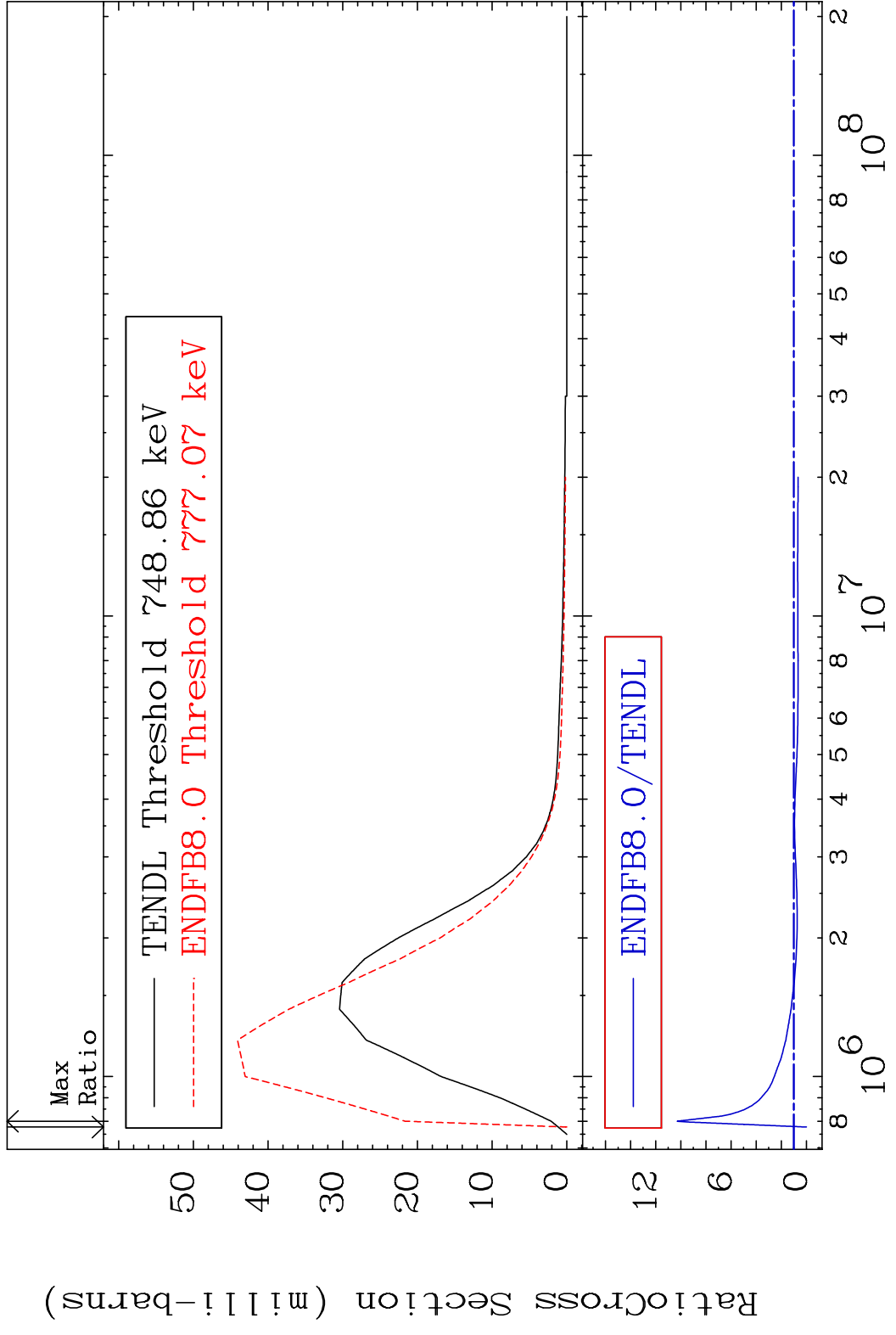
MAT 7531 MT= 63 (n, n') Level 75-Re-187
 Cross Section -100.0 To 7.878 %



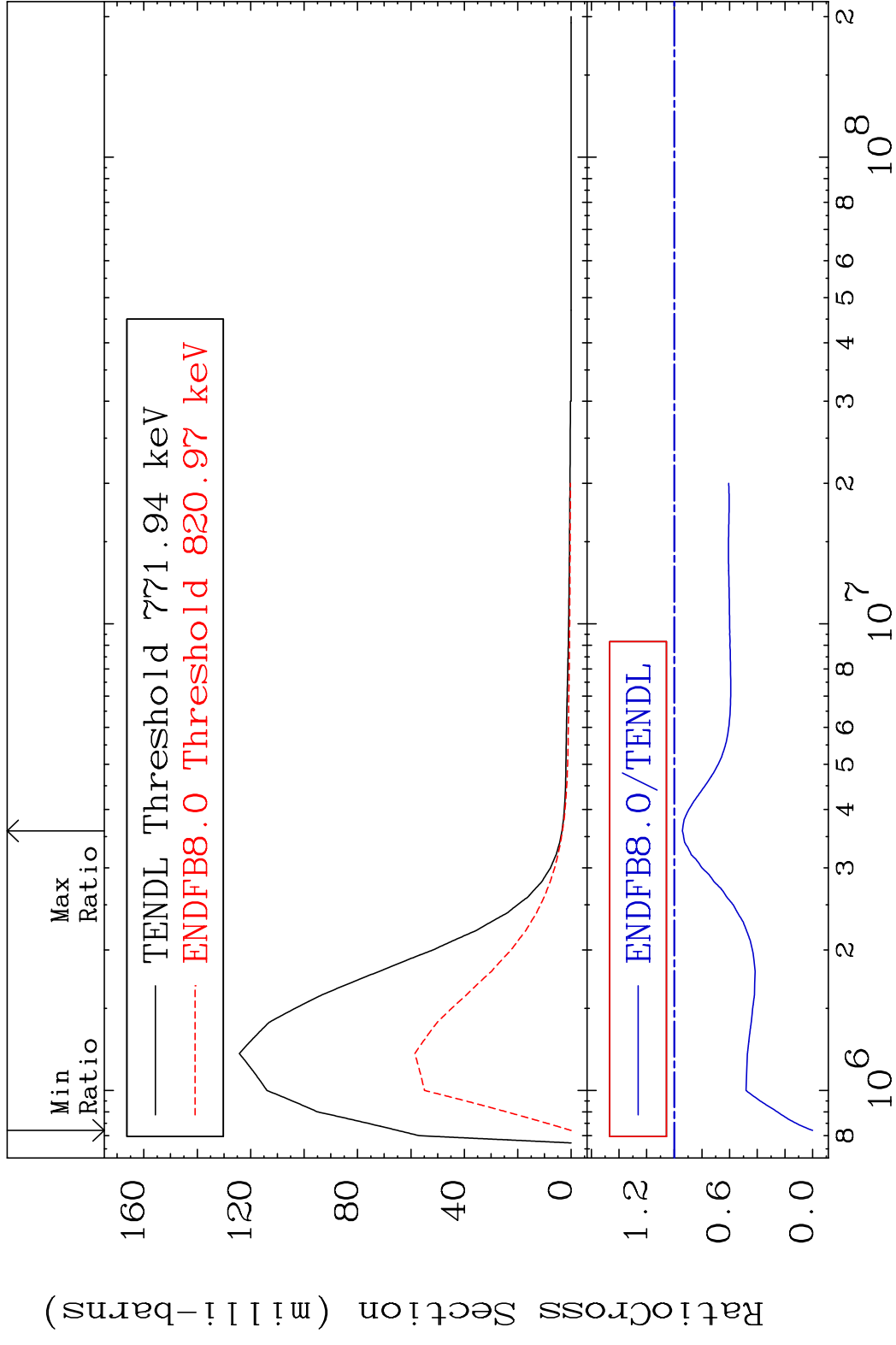
MAT 7531 MT= 64 (n, n') Level 75-Re-187
 Cross Section -100.0 To 40.60 %



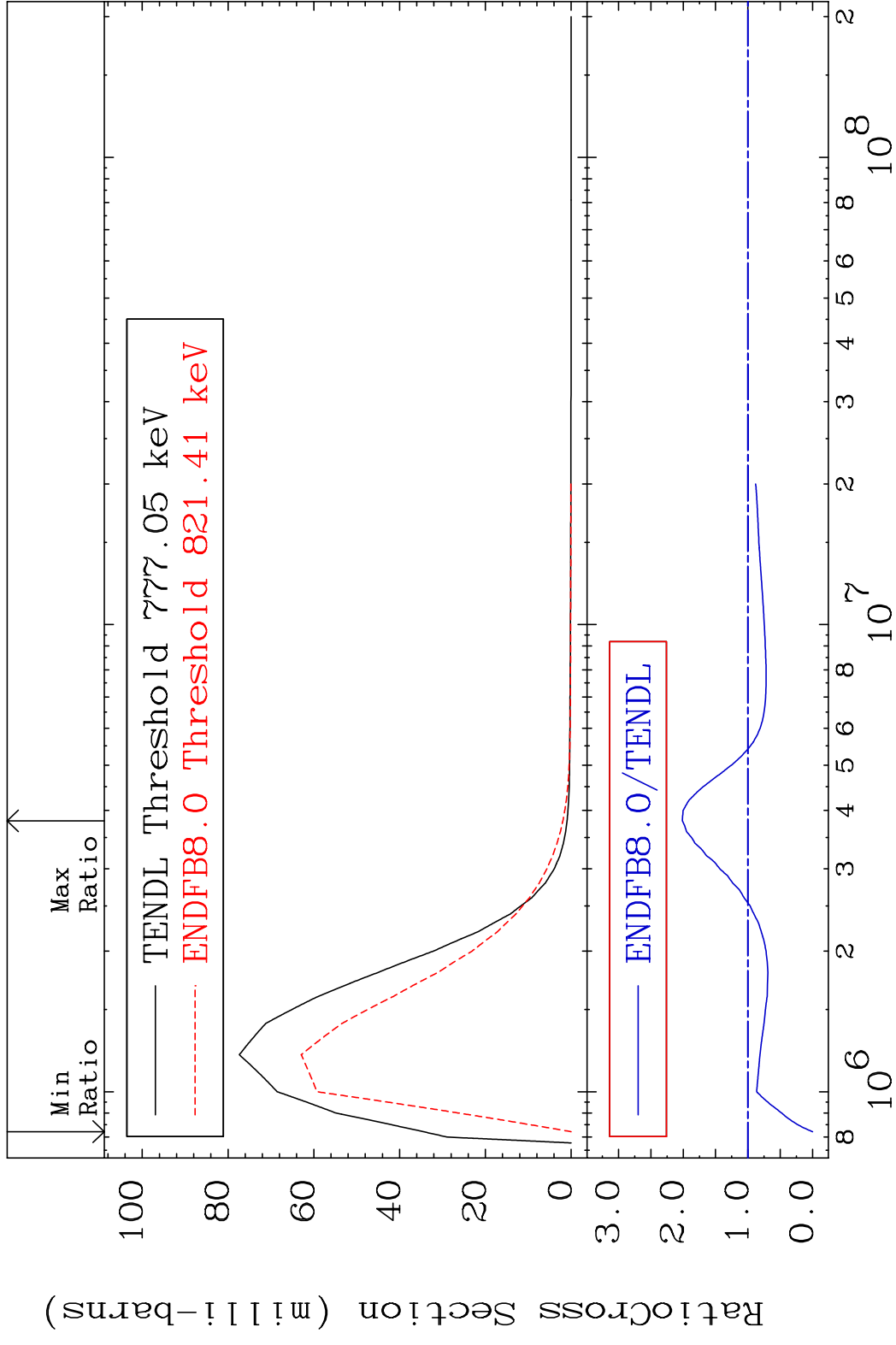
MAT 7531 MT= 65 (n,n') Level 75-Re-187
 Cross Section -100.0 To 929.0 %



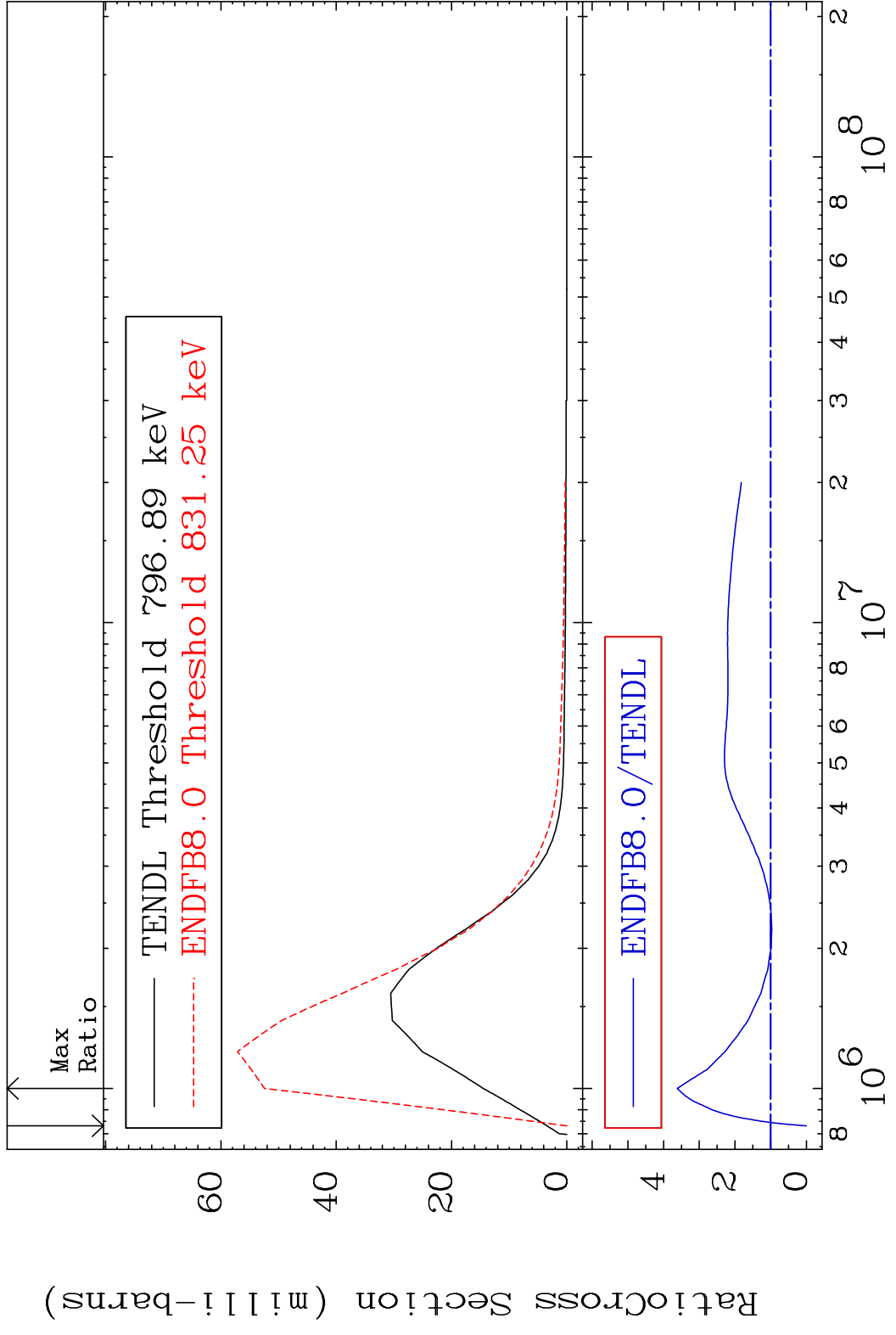
MAT 7531 MT= 66 (n, n') Level 75-Re-187
 Cross Section -100.0 To -5.831%



MAT 7531 MT= 67 (n, n') Level 75-Re-187
 Cross Section -100.0 To 101.3 %

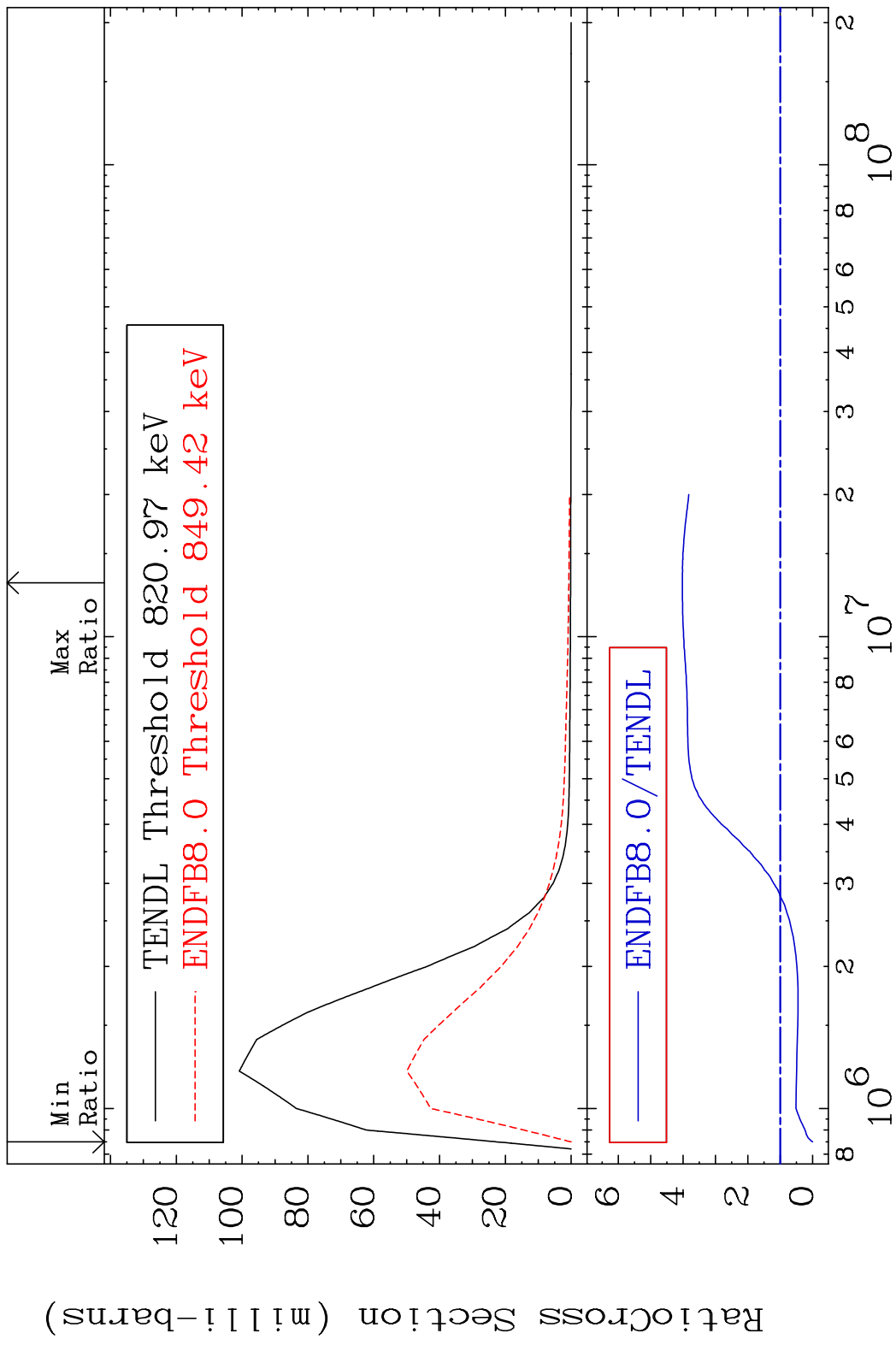


MAT 7531 MT= 68 (n, n') Level 75-Re-187
 Cross Section -100.0 To 261.9 %

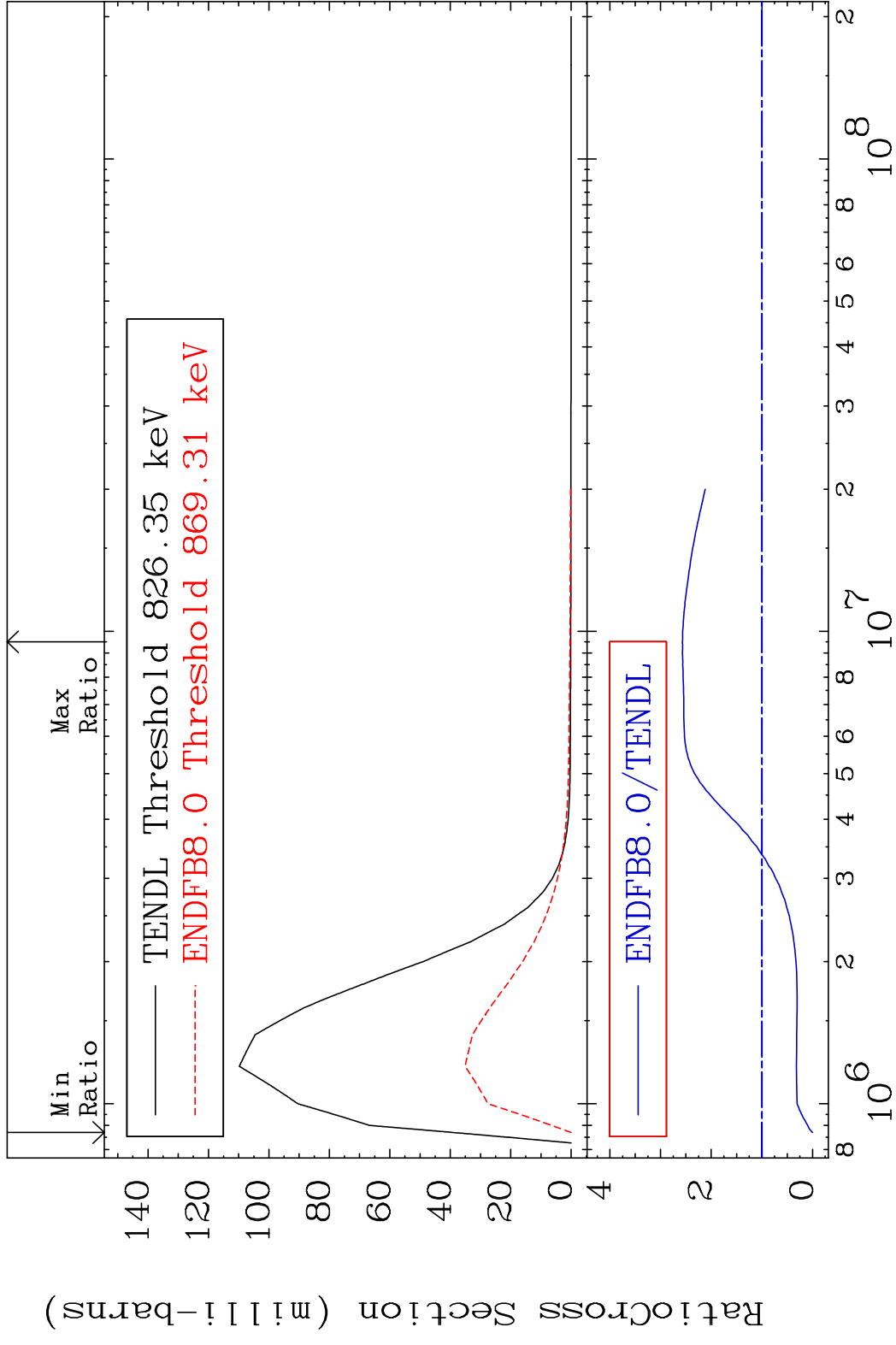


25 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 69 (n, n') Level 75-Re-187
 Cross Section -100.0 To 302.4 %



MAT 7531 MT= 70 (n, n') Level 75-Re-187
 Cross Section -100.0 To 157.0 %

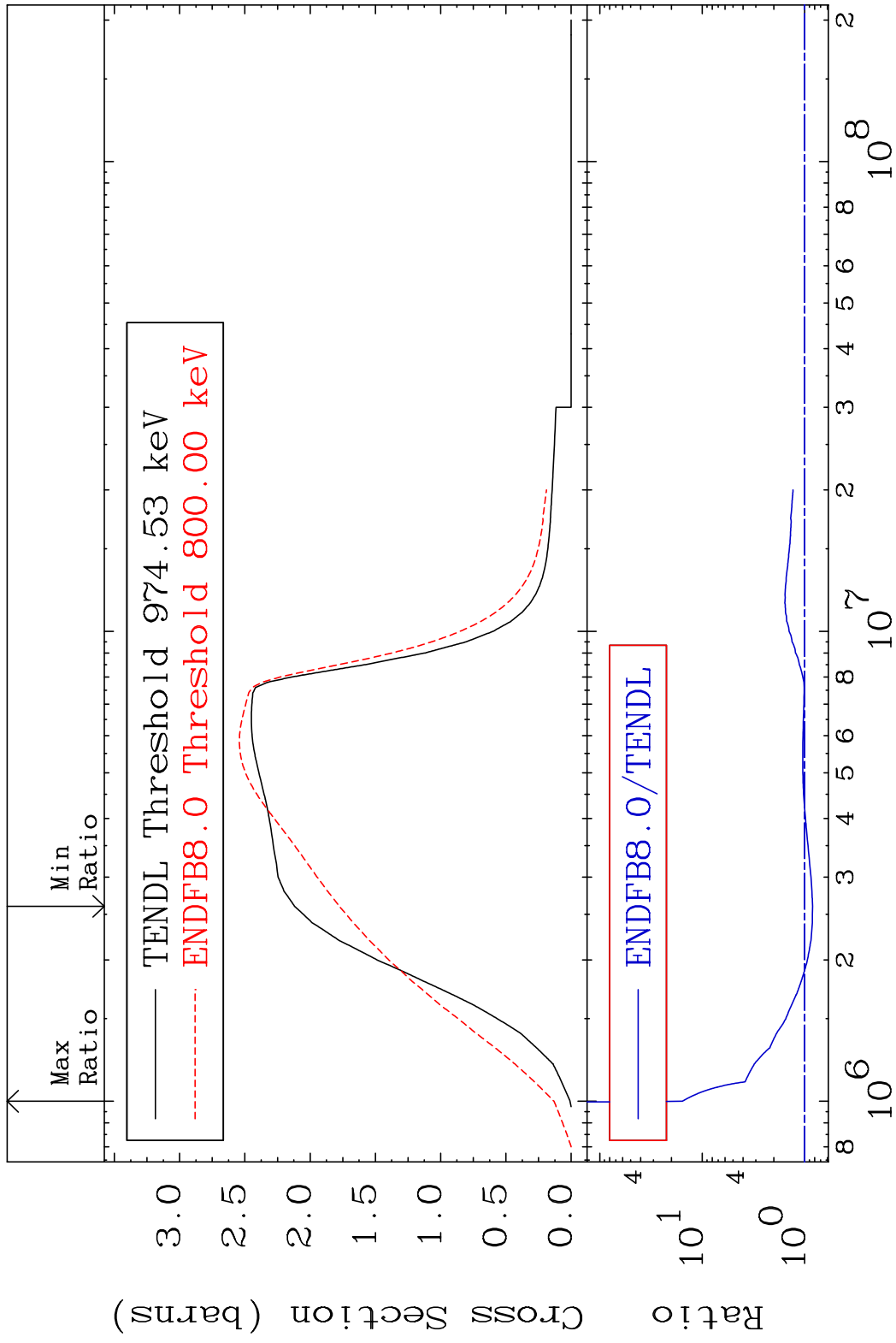


MAT 7531

(n, n') Continuum

75-Re-187

Cross Section -16.18 To 1464. %



28

Incident Energy (eV)

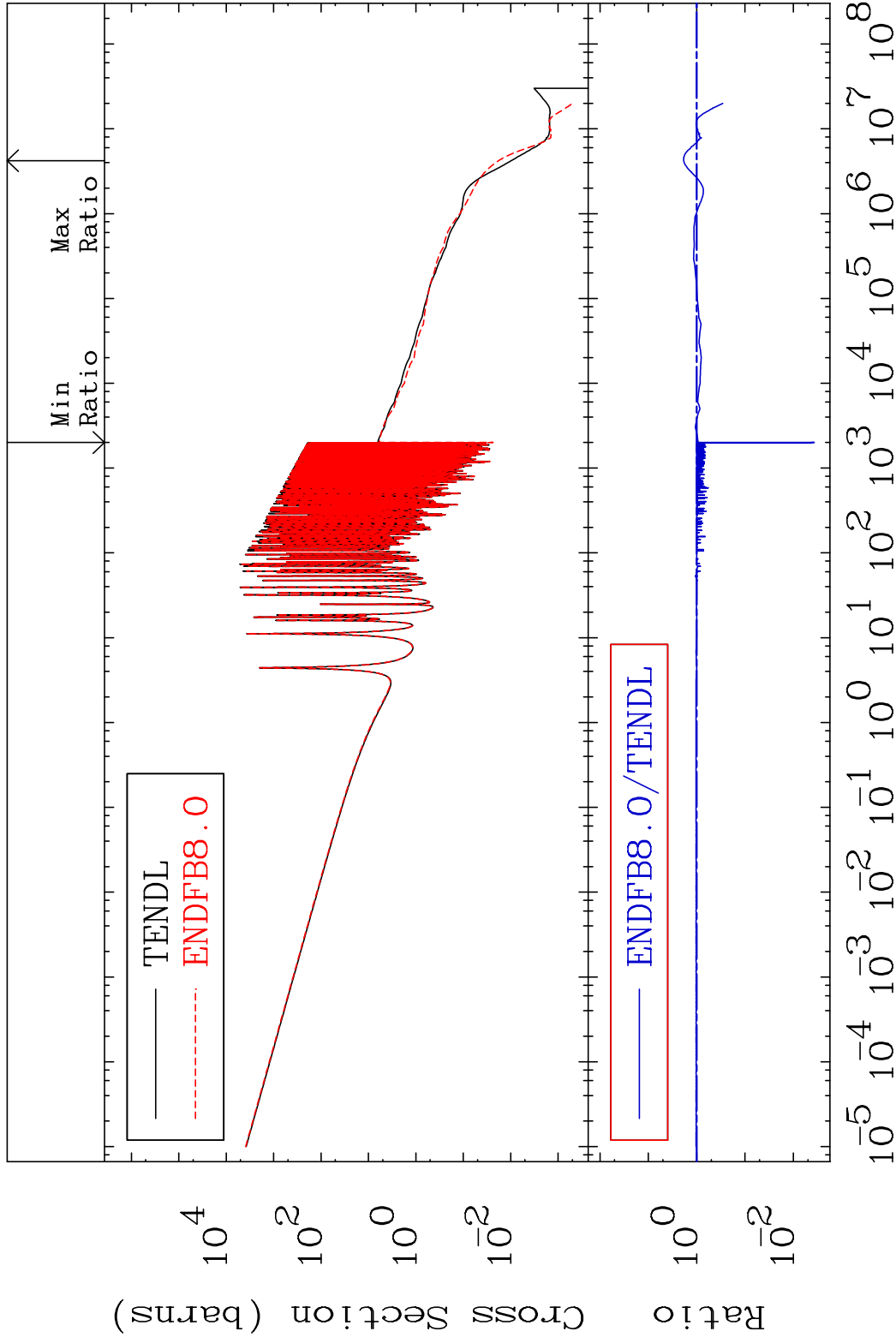
75-Re-187

MAT 7531

(n, γ)

75-Re-187

Cross Section -99.63 To 85.89 %



29

Incident Energy (eV)

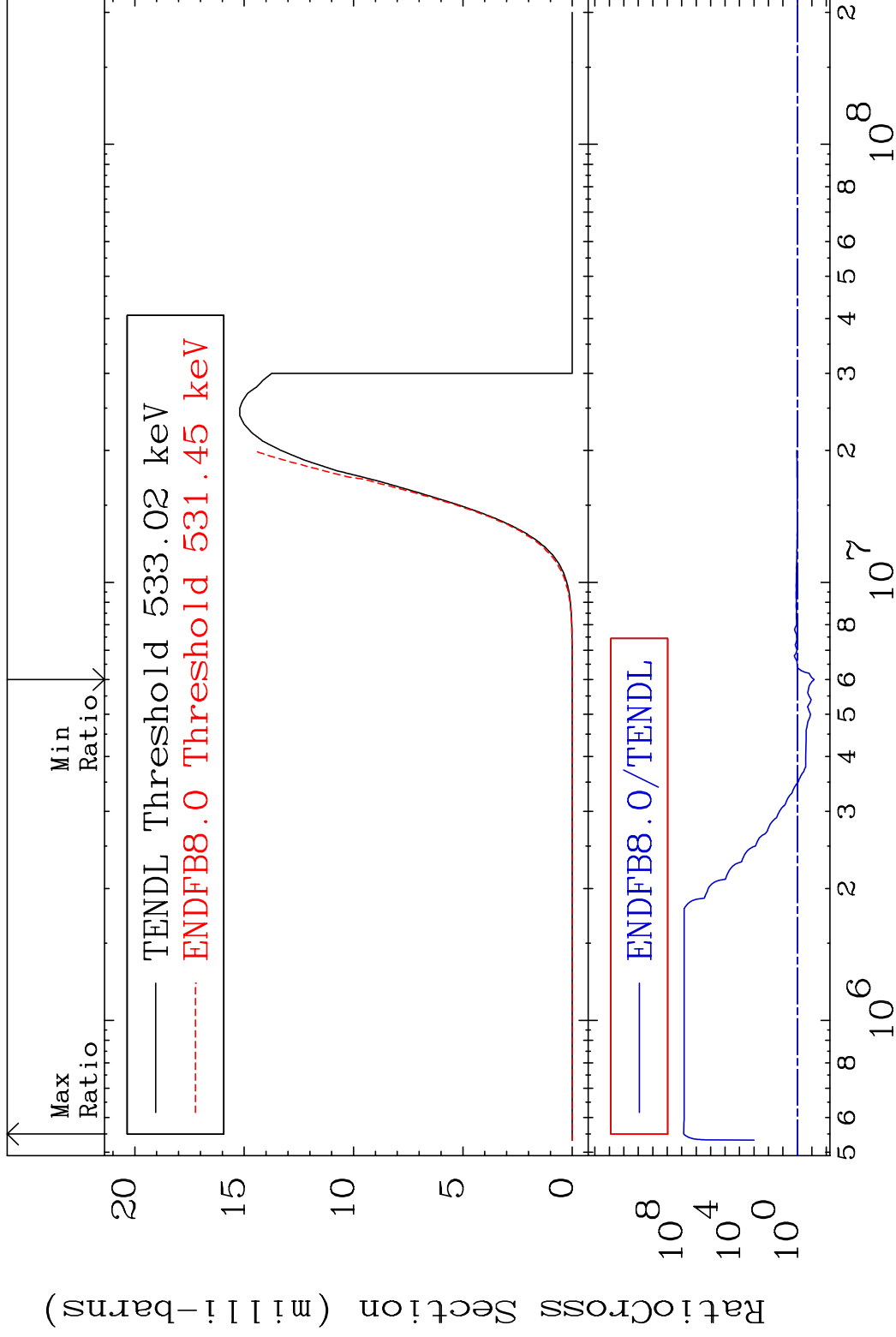
75-Re-187

MAT 7531

(n, p)

75-Re-187

Cross Section -93.01 To 9999. %



30

Incident Energy (eV)

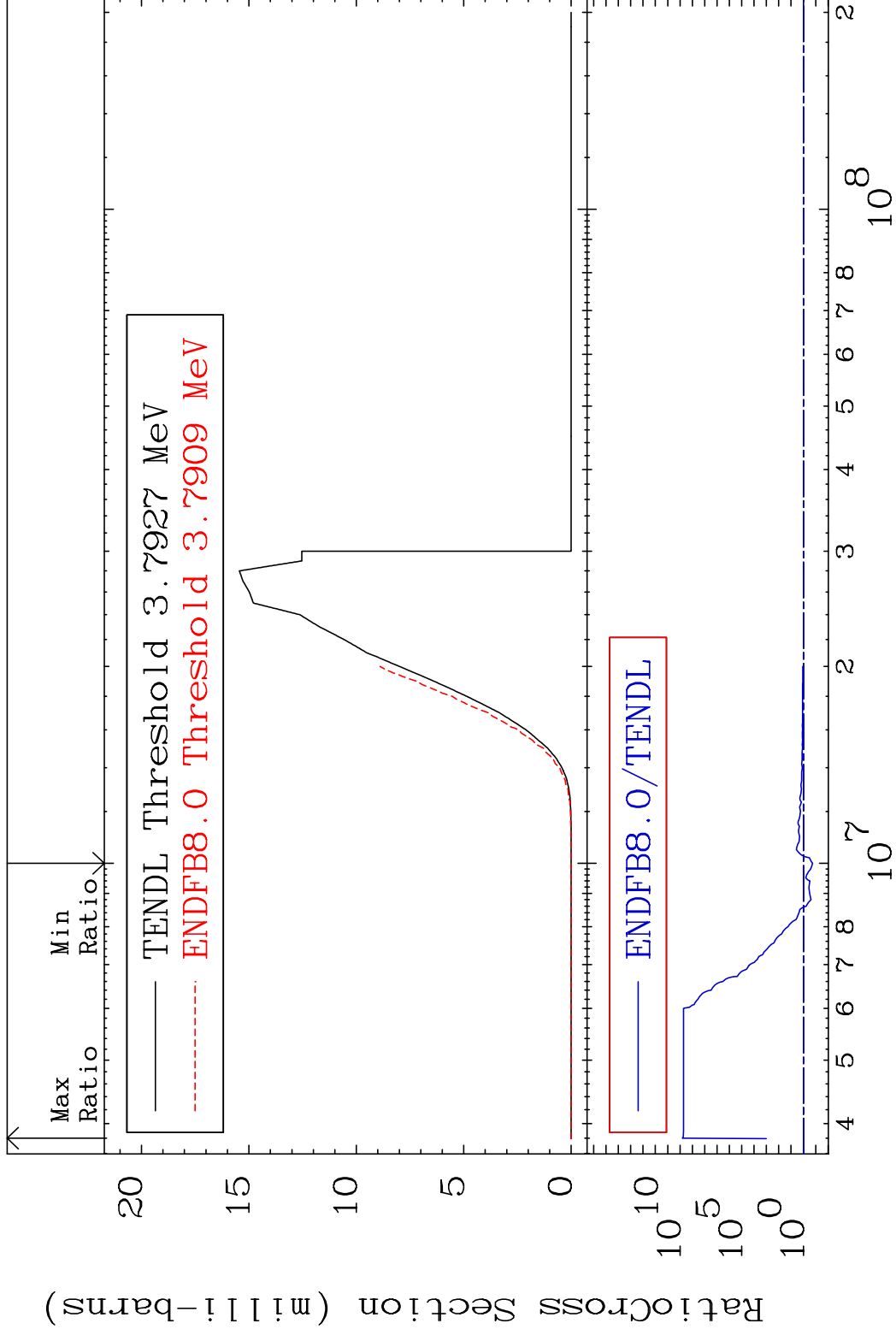
75-Re-187

MAT 7531

(n, d)

75-Re-187

Cross Section -81.95 To 9999. %



31

Incident Energy (eV)

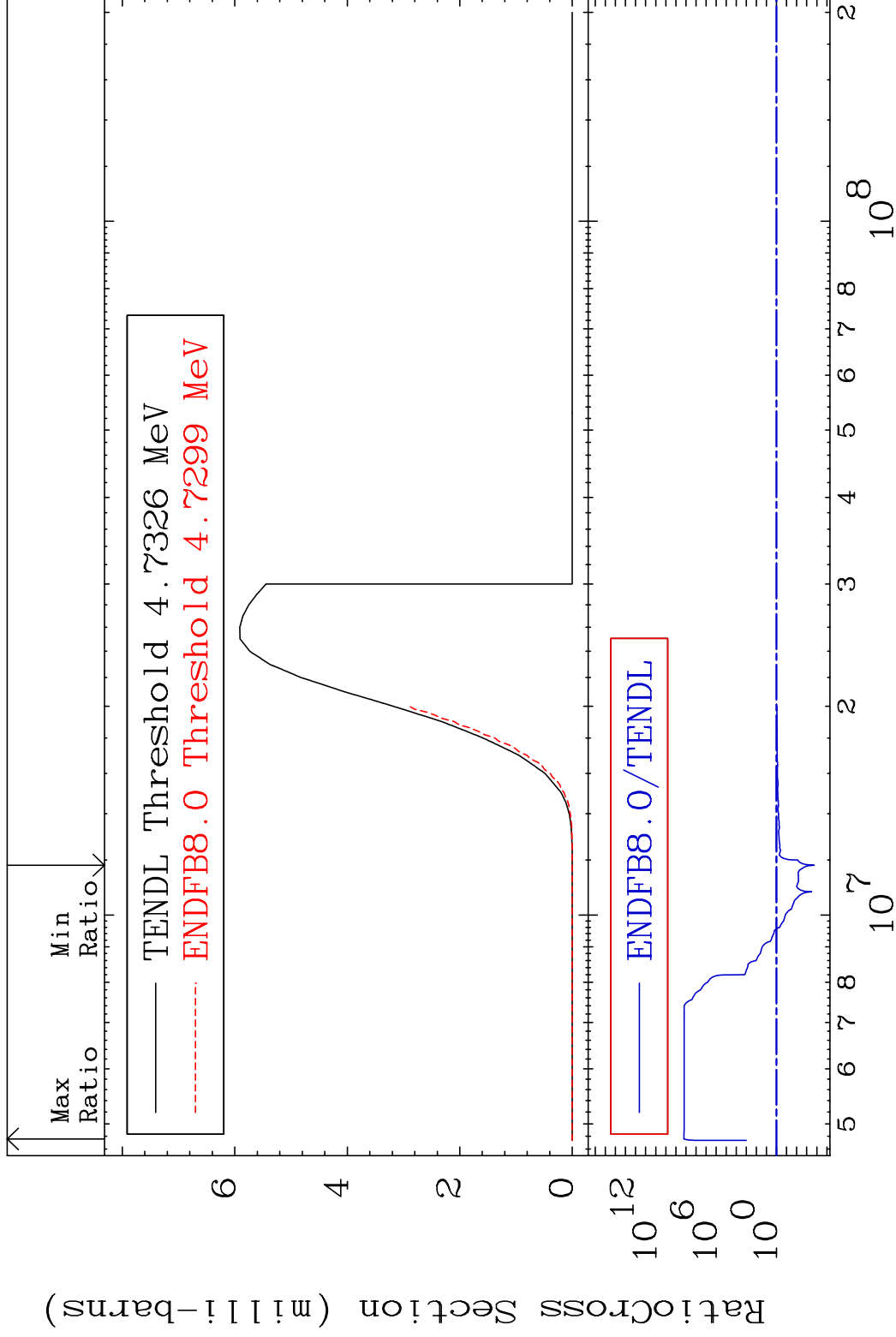
75-Re-187

MAT 7531

(n, t)

75-Re-187

Cross Section -99.98 To 9999. %



32

Incident Energy (eV)

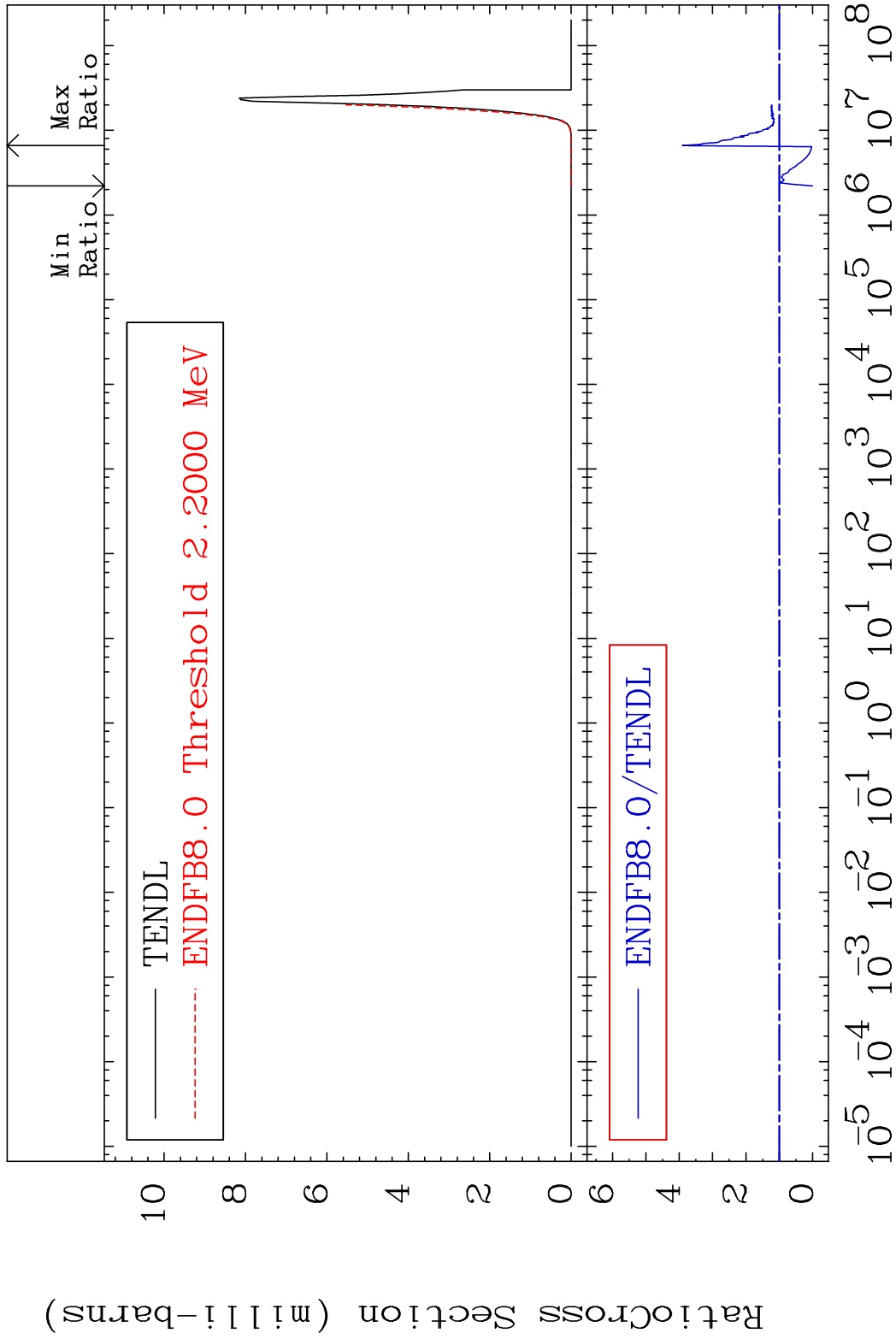
75-Re-187

MAT 7531

(n, α)

75-Re-187

Cross Section -100.0 To 290.7 %



33

Incident Energy (eV)

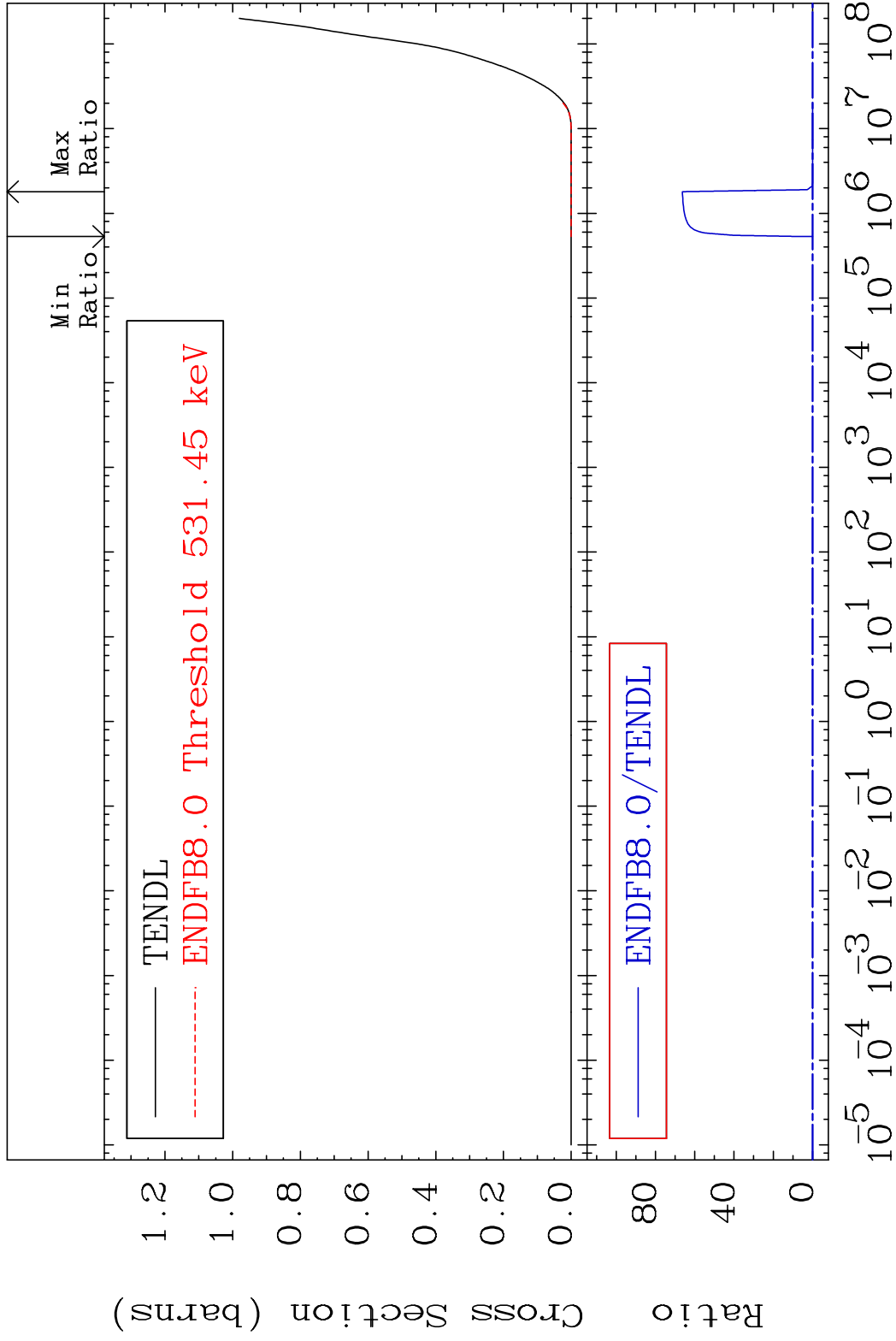
75-Re-187

MAT 7531

Hydrogen Production

75-Re-187

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

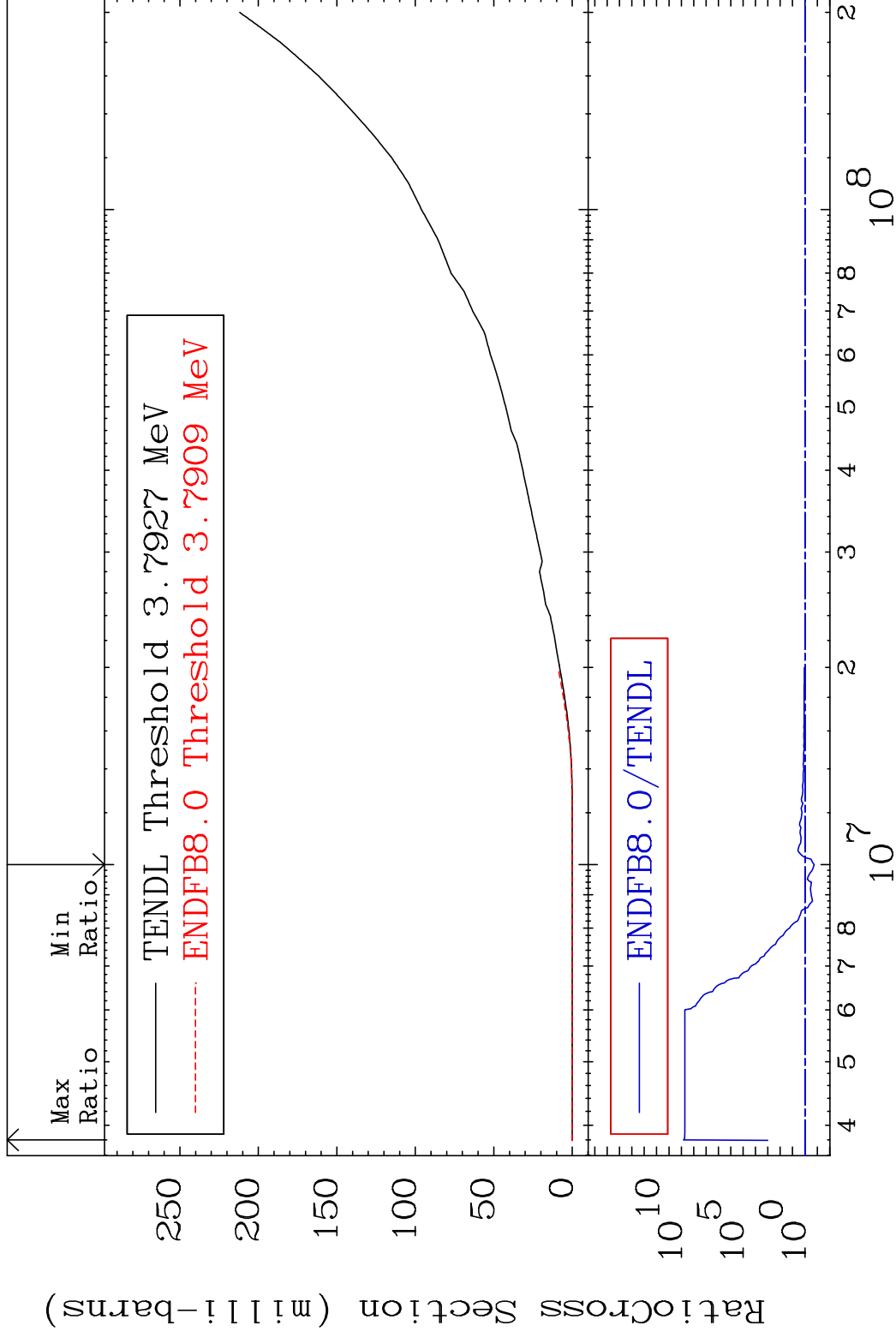
75-Re-187

MAT 7531

Deuterium Production

75-Re-187

Cross Section -81.95 To 9999. %



35

Incident Energy (eV)

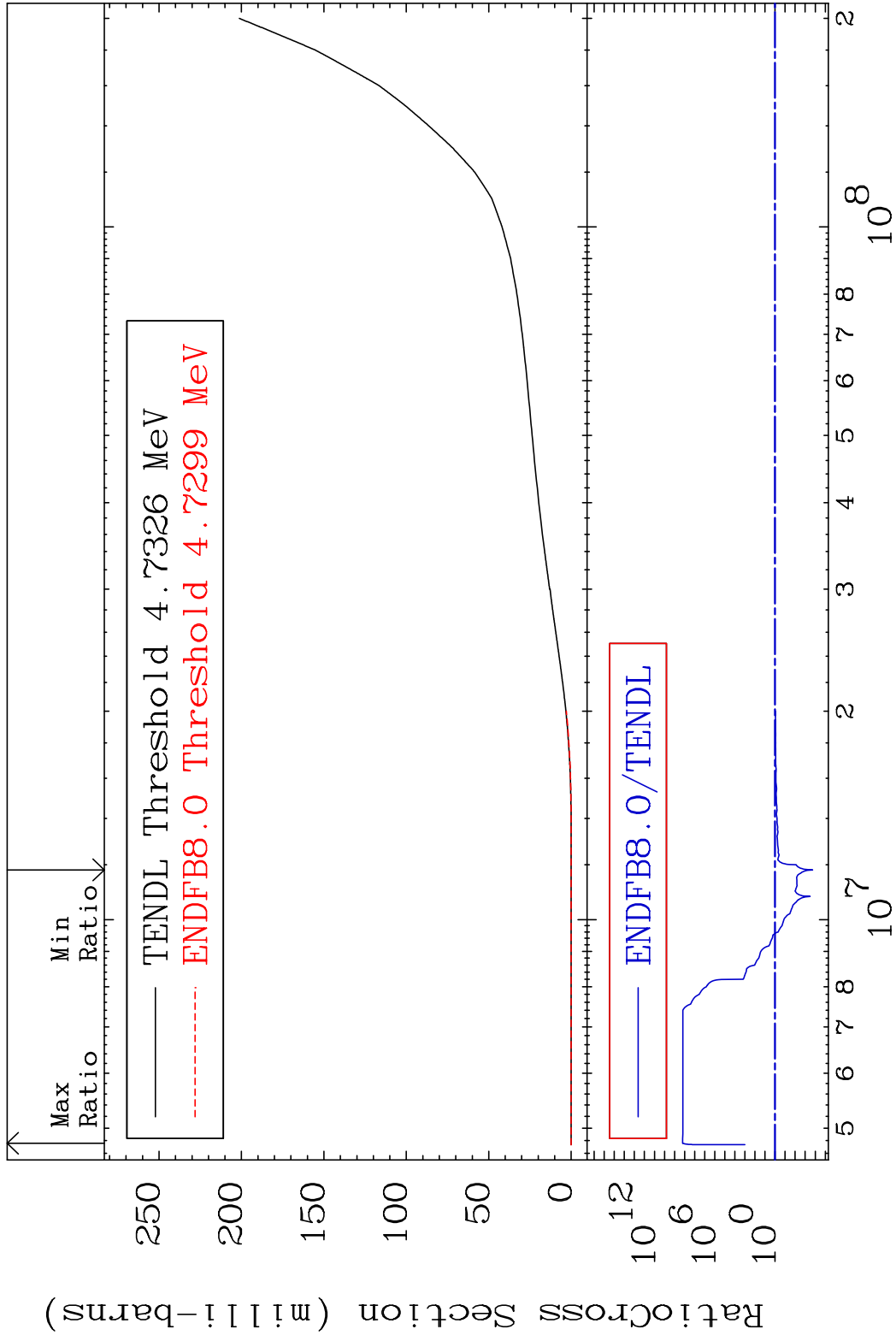
75-Re-187

MAT 7531

Tritium Production

75-Re-187

Cross Section -99.98 To 9999. %



36

Incident Energy (eV)

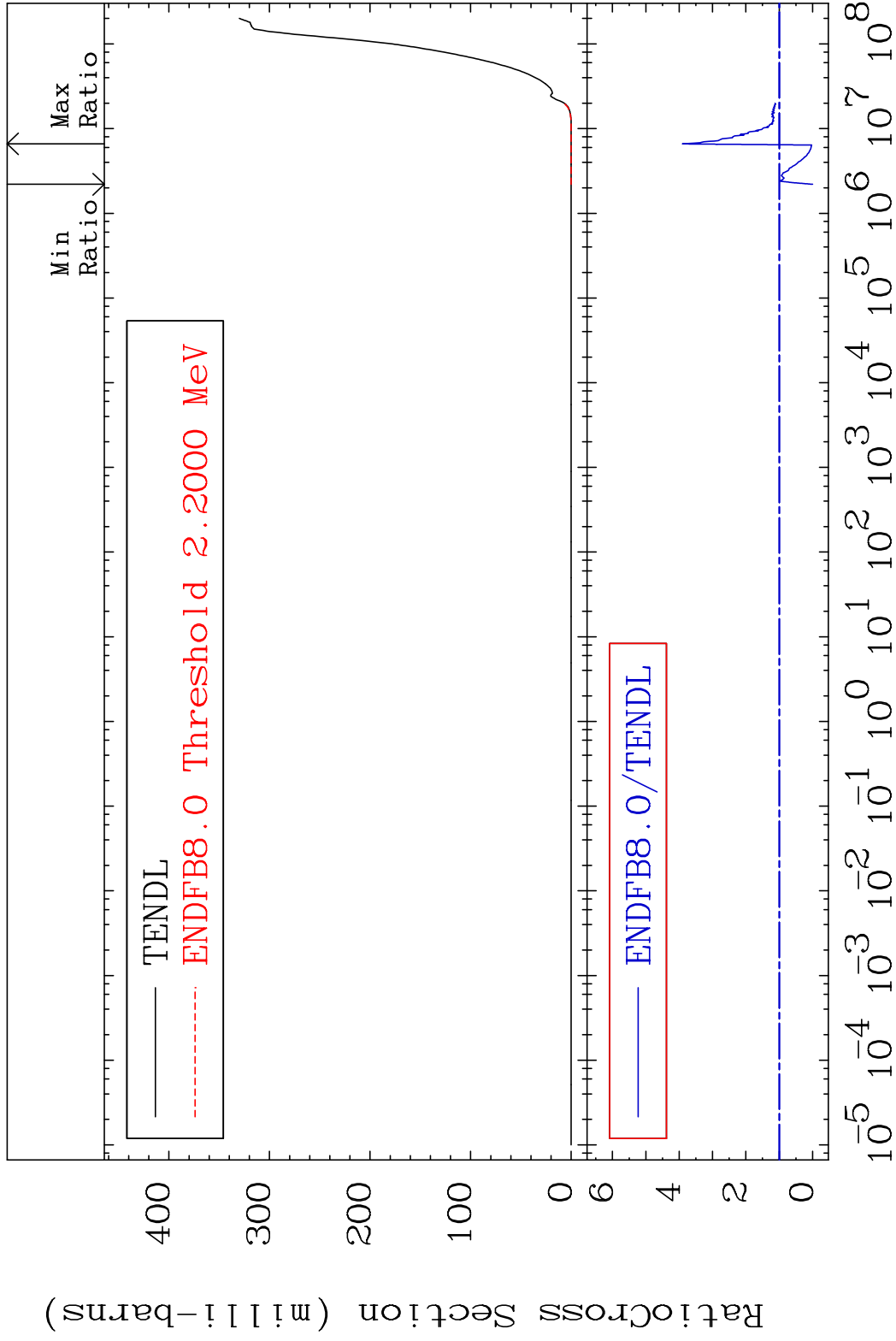
75-Re-187

MAT 7531

He-4 Production

75-Re-187

Cross Section -100.0 To 290.5 %

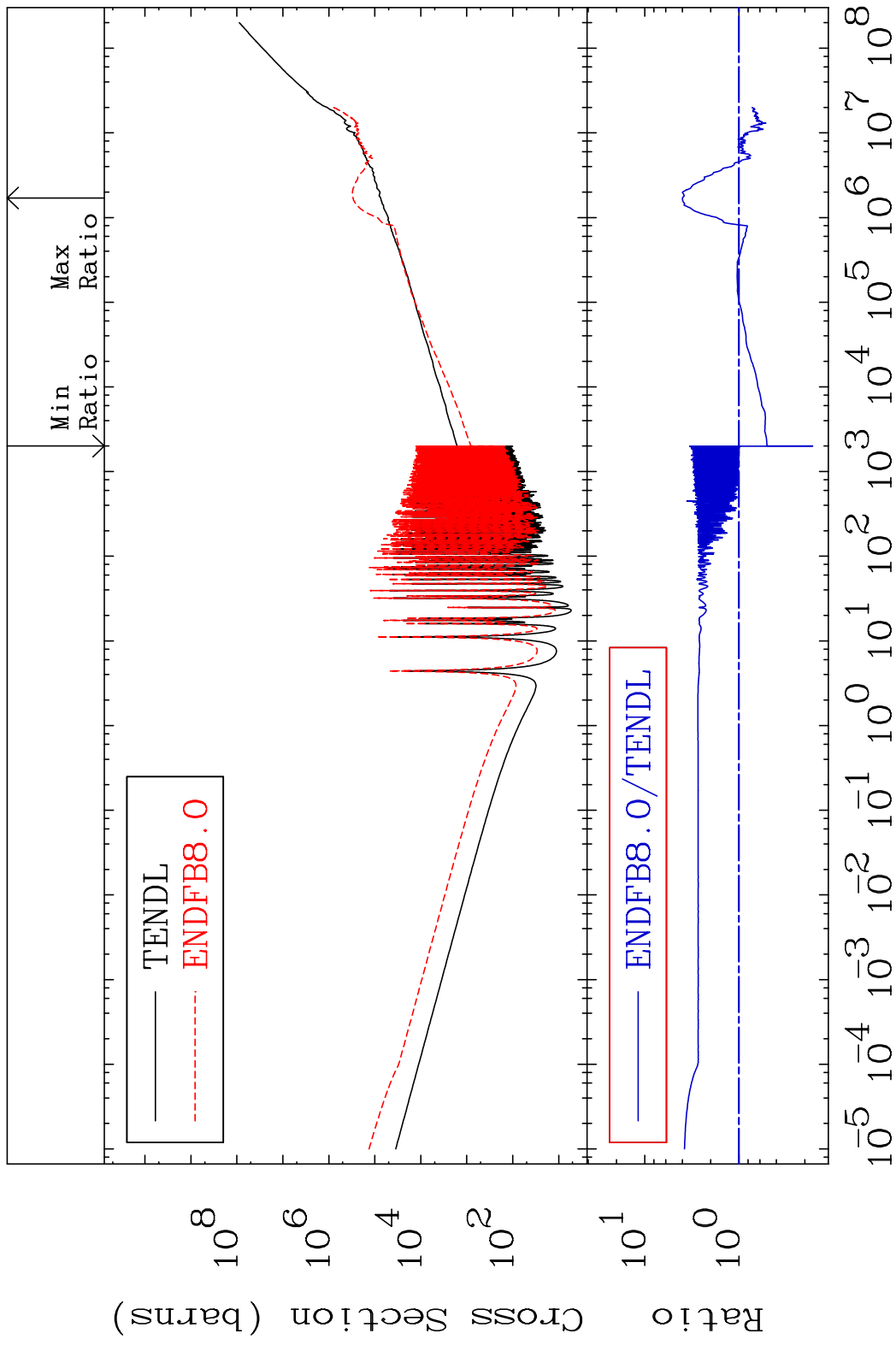


37

Incident Energy (eV)

75-Re-187

MAT 7531 Kerma total (eV-barns) 75-Re-187
 Cross Section -83.46 To 299.8 %

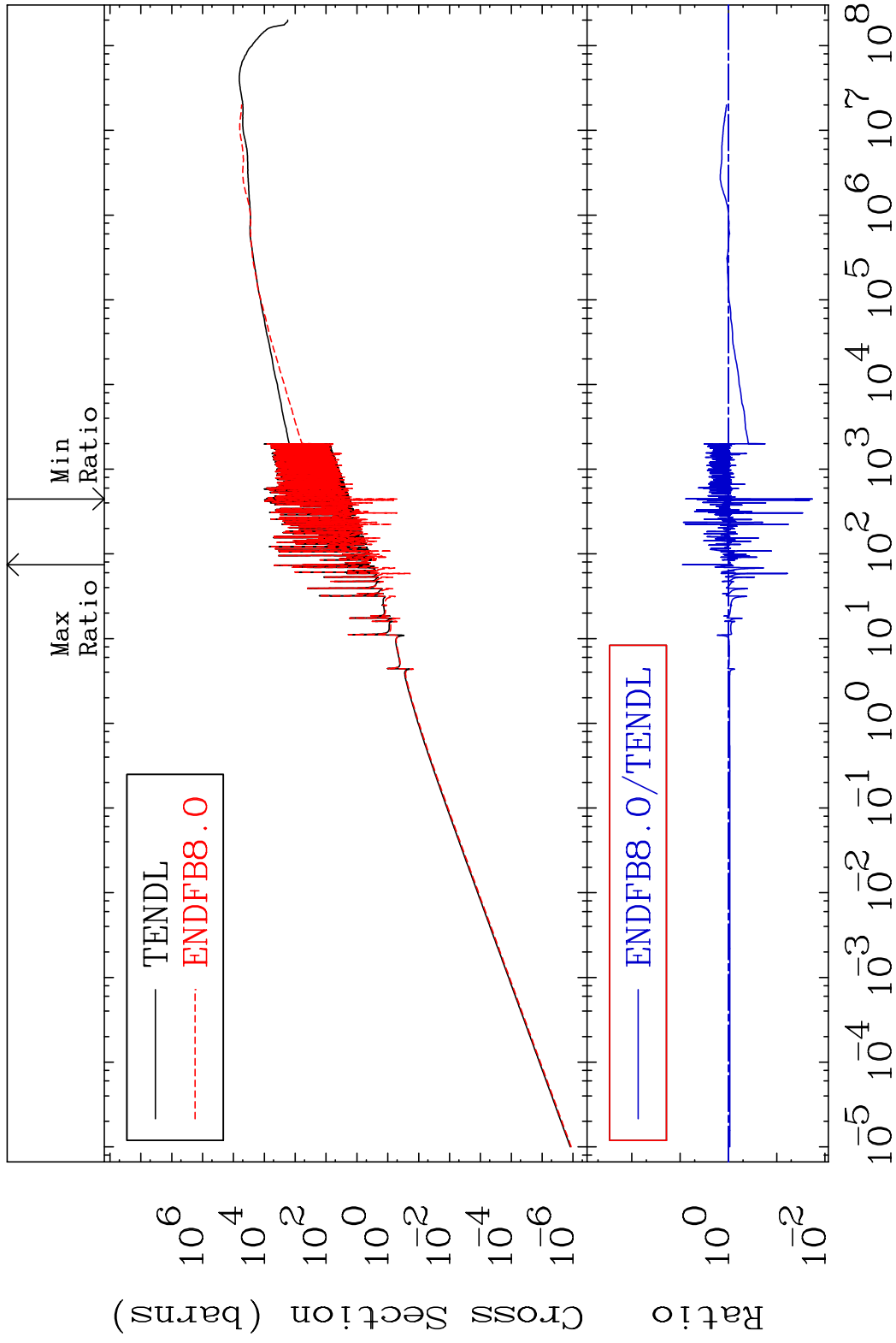


MAT 7531

Kerma elastic
Cross Section

75-Re-187

-98.19 To 798.3 %

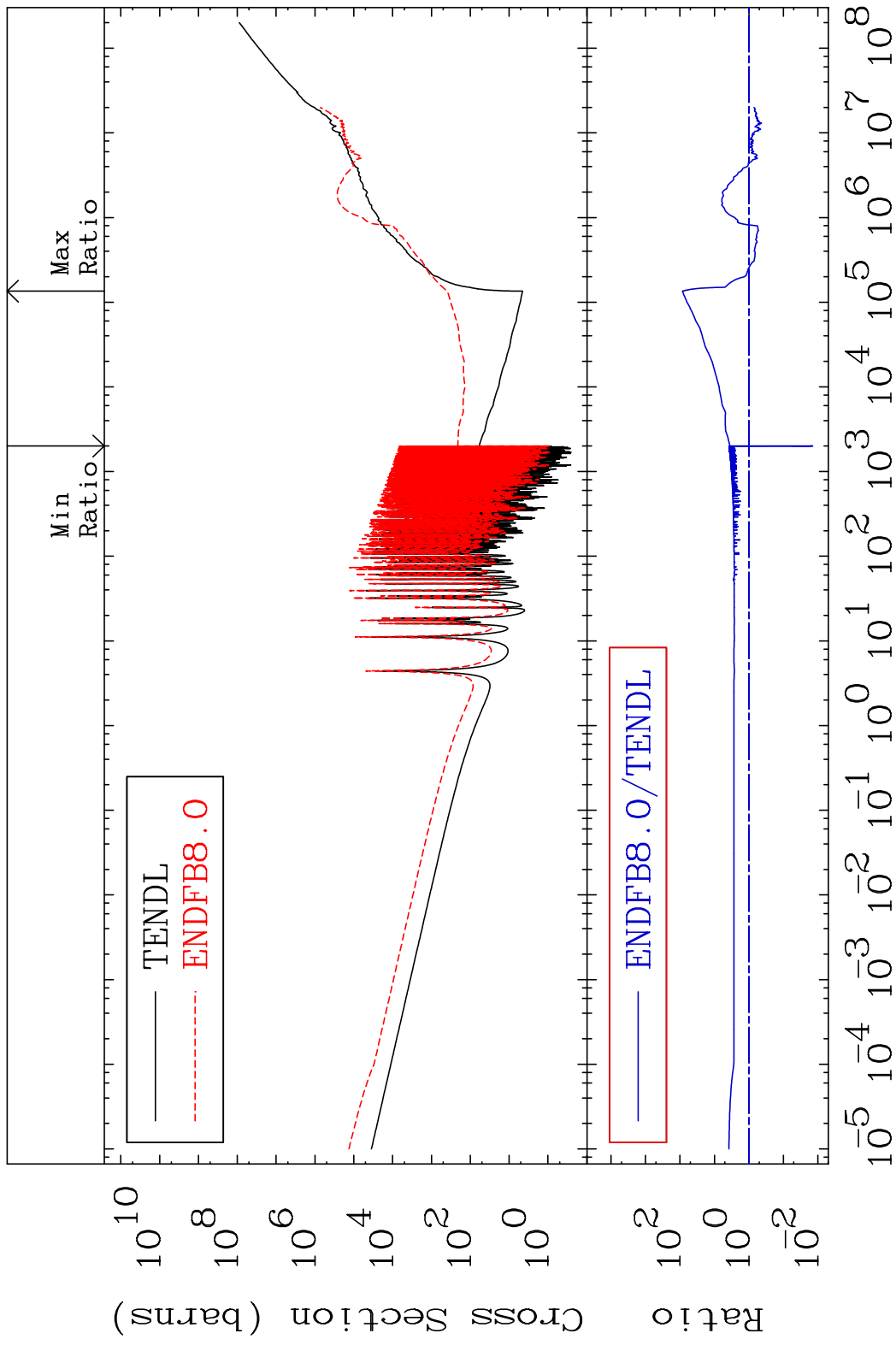


39

Incident Energy (eV)

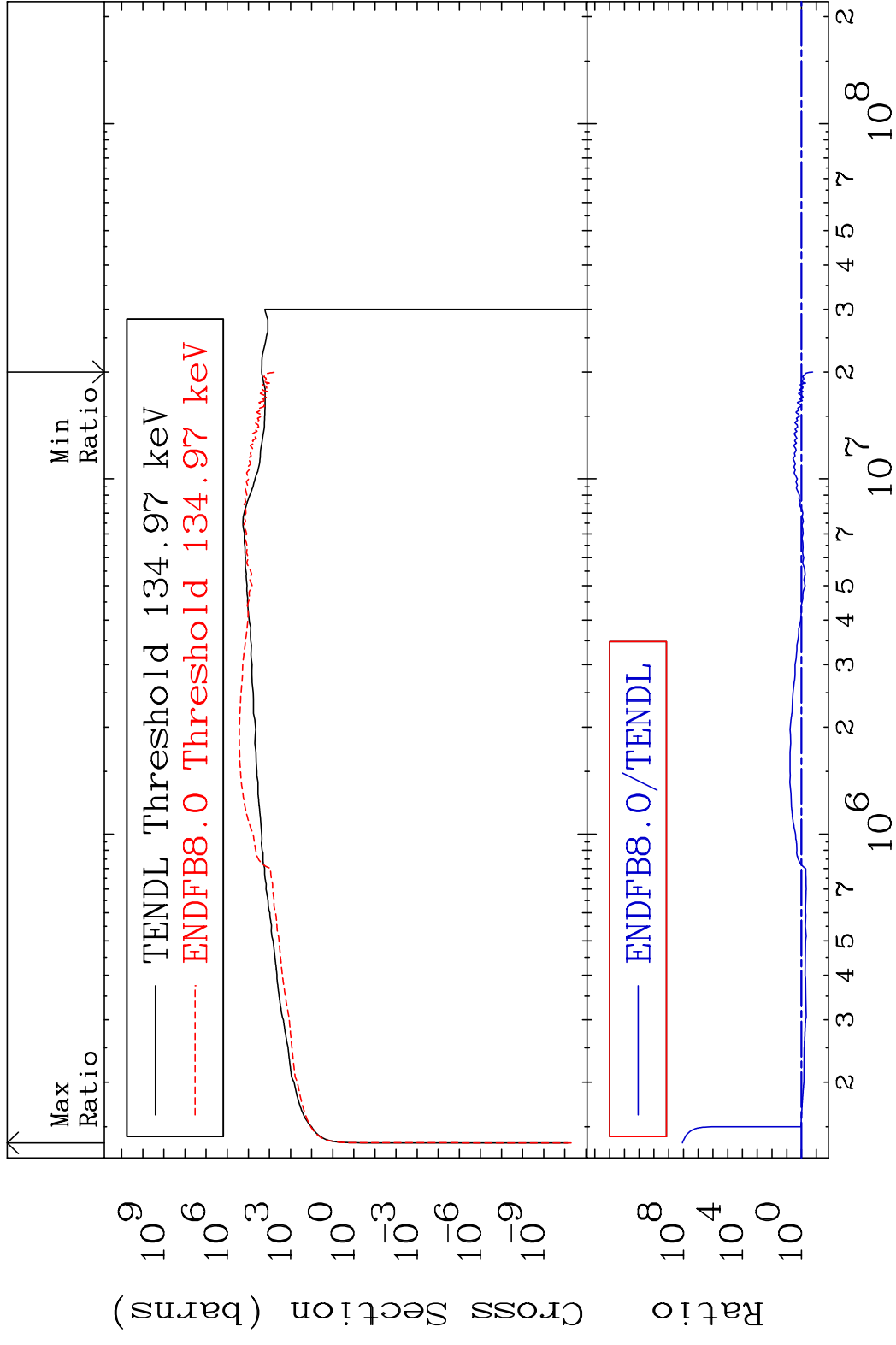
75-Re-187

MAT 7531 Kerma non-elastic (all but mt2) 75-Re-187
 Cross Section -98.58 To 8428. %

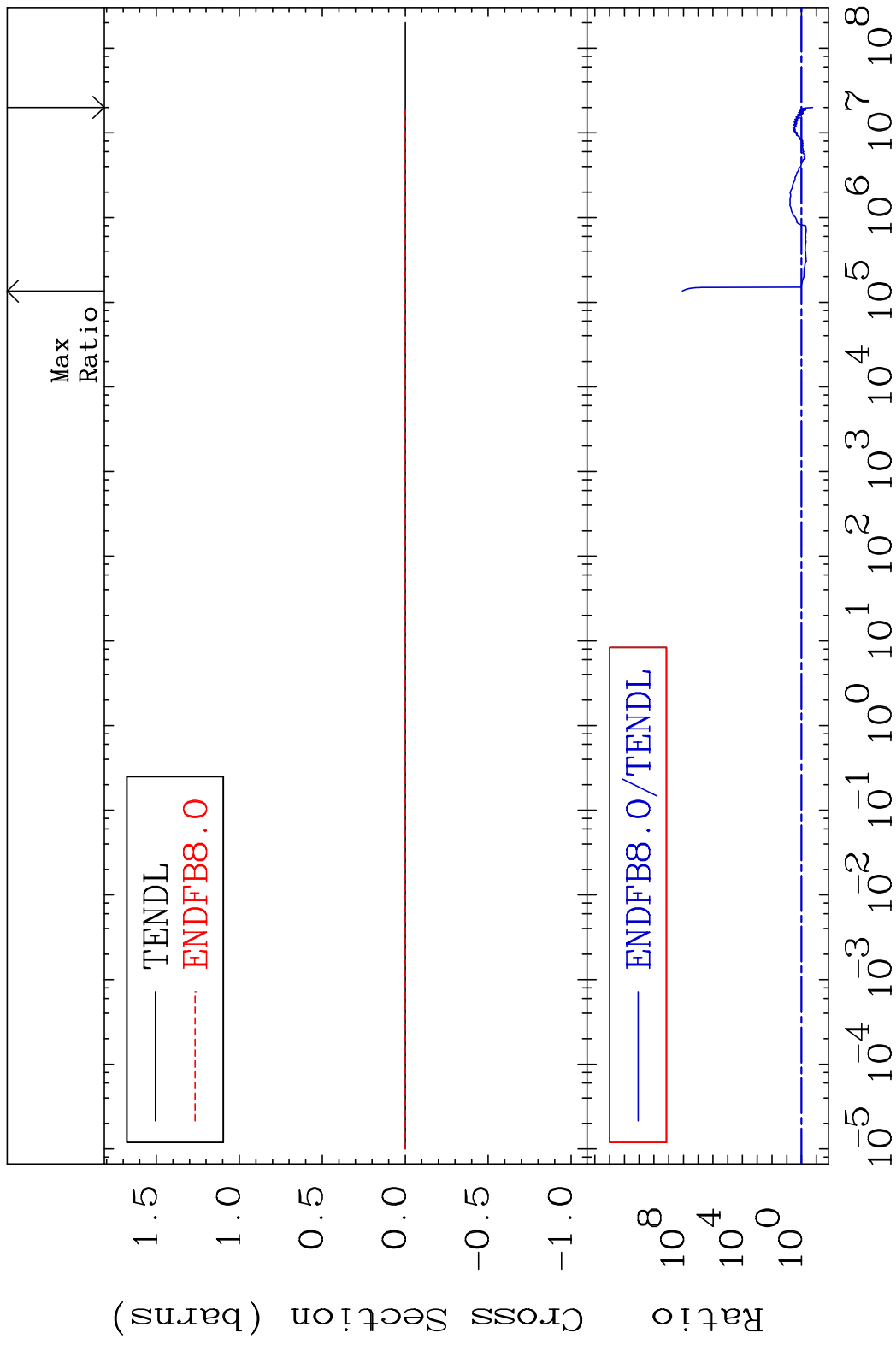


40 Incident Energy (eV) 75-Re-187

MAT 7531 Kerma inelastic (mt51-91) 75-Re-187
 Cross Section -82.20 To 9999. %

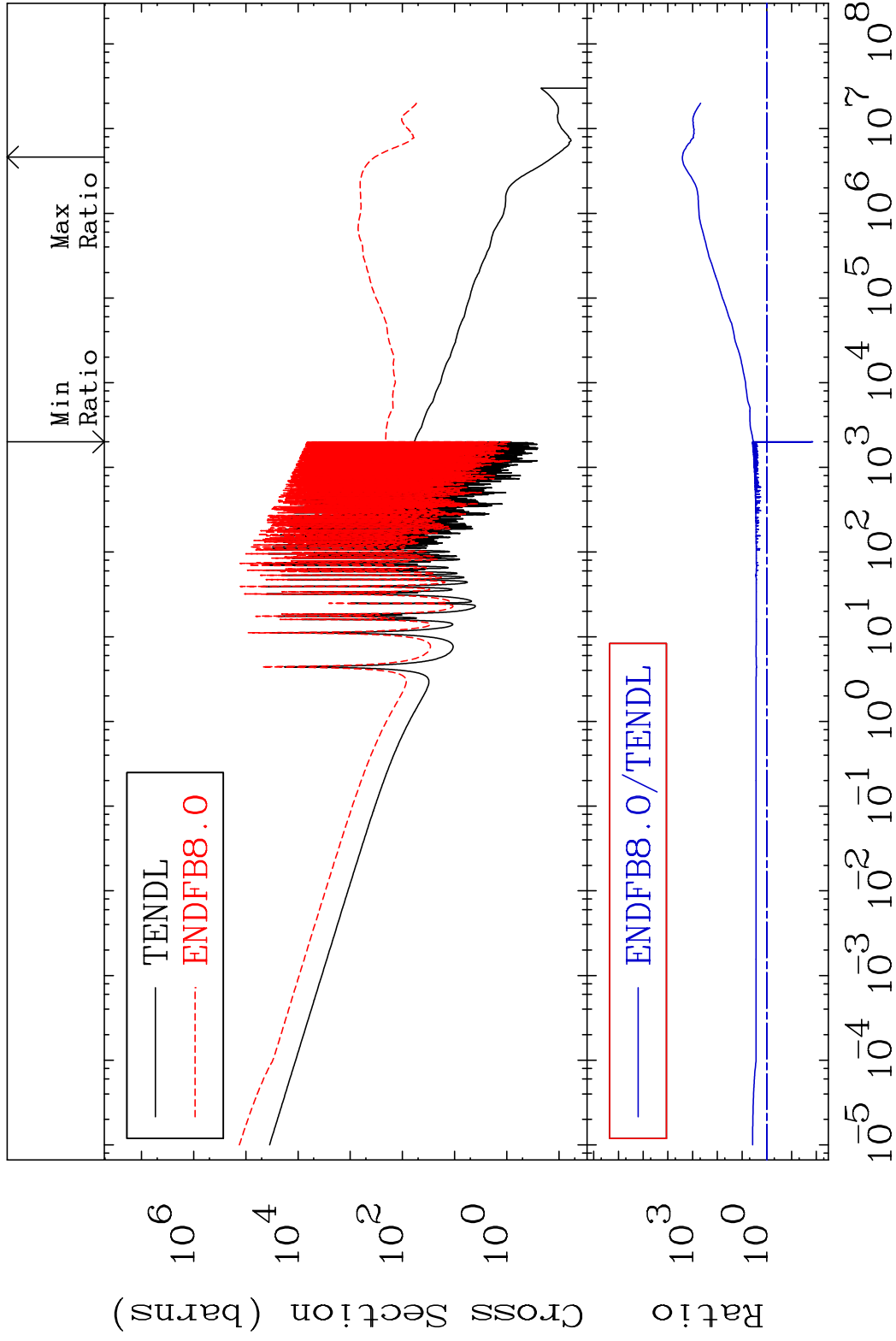


MAT 7531 Kerma fission (mt18 or mt19-20-21-38)75-Re-187
 Cross Section -82.20 To 9999. %



MAT 7531

Kerma capture (mt102) 75-Re-187
Cross Section -98.58 To 9999. %



43

Incident Energy (eV)

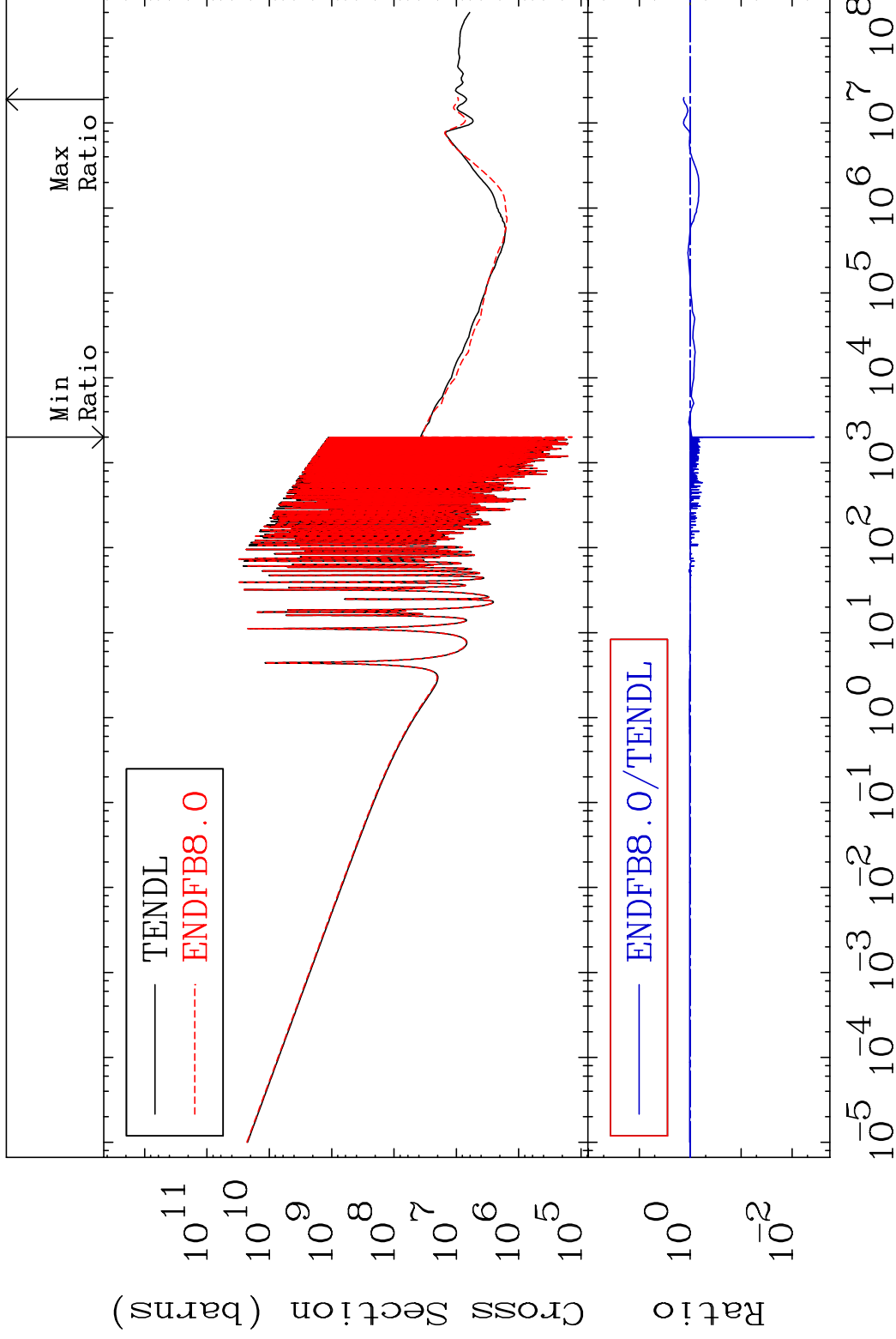
75-Re-187

MAT 7531

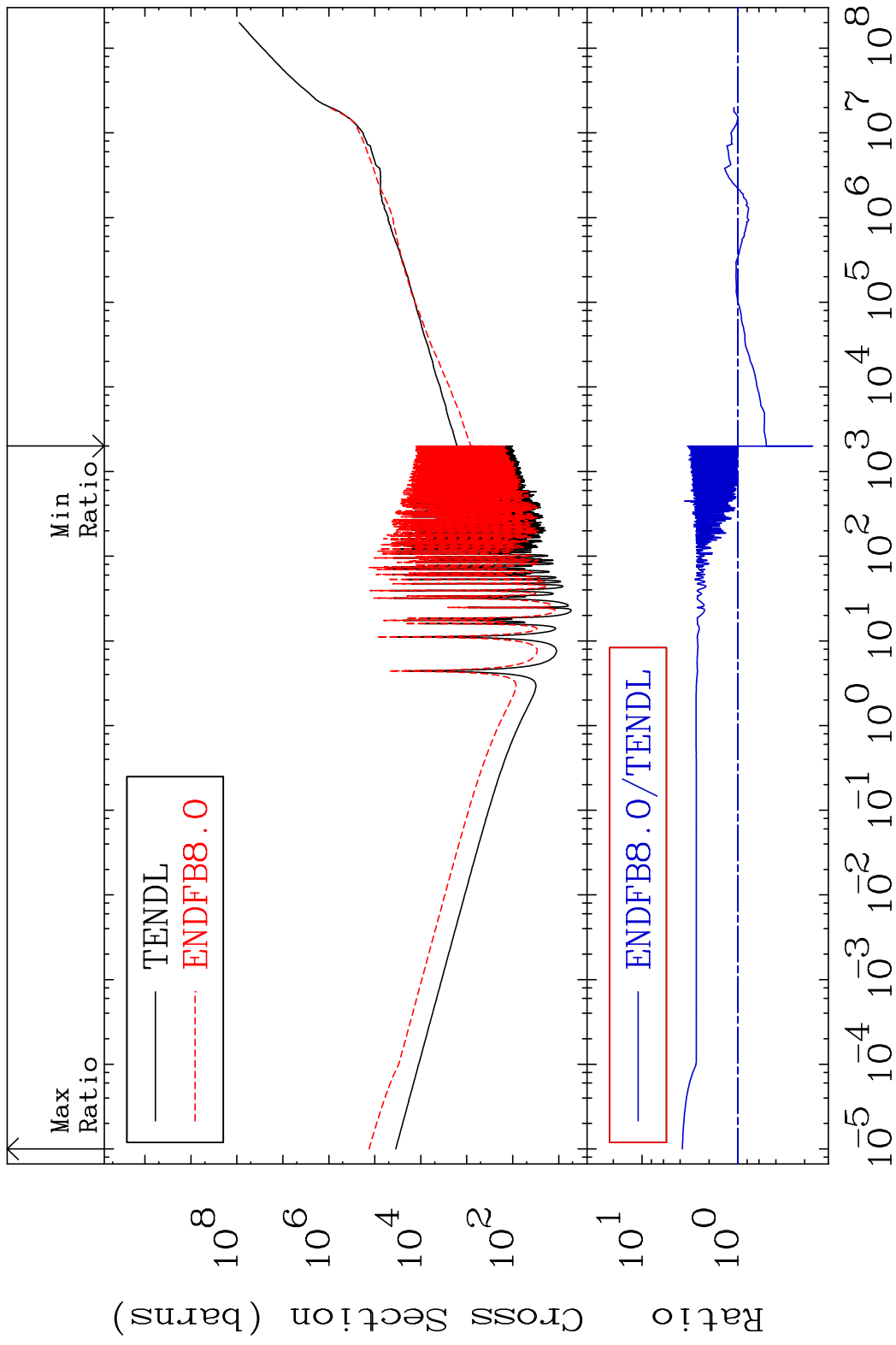
Total photon (eV-barns)

75-Re-187

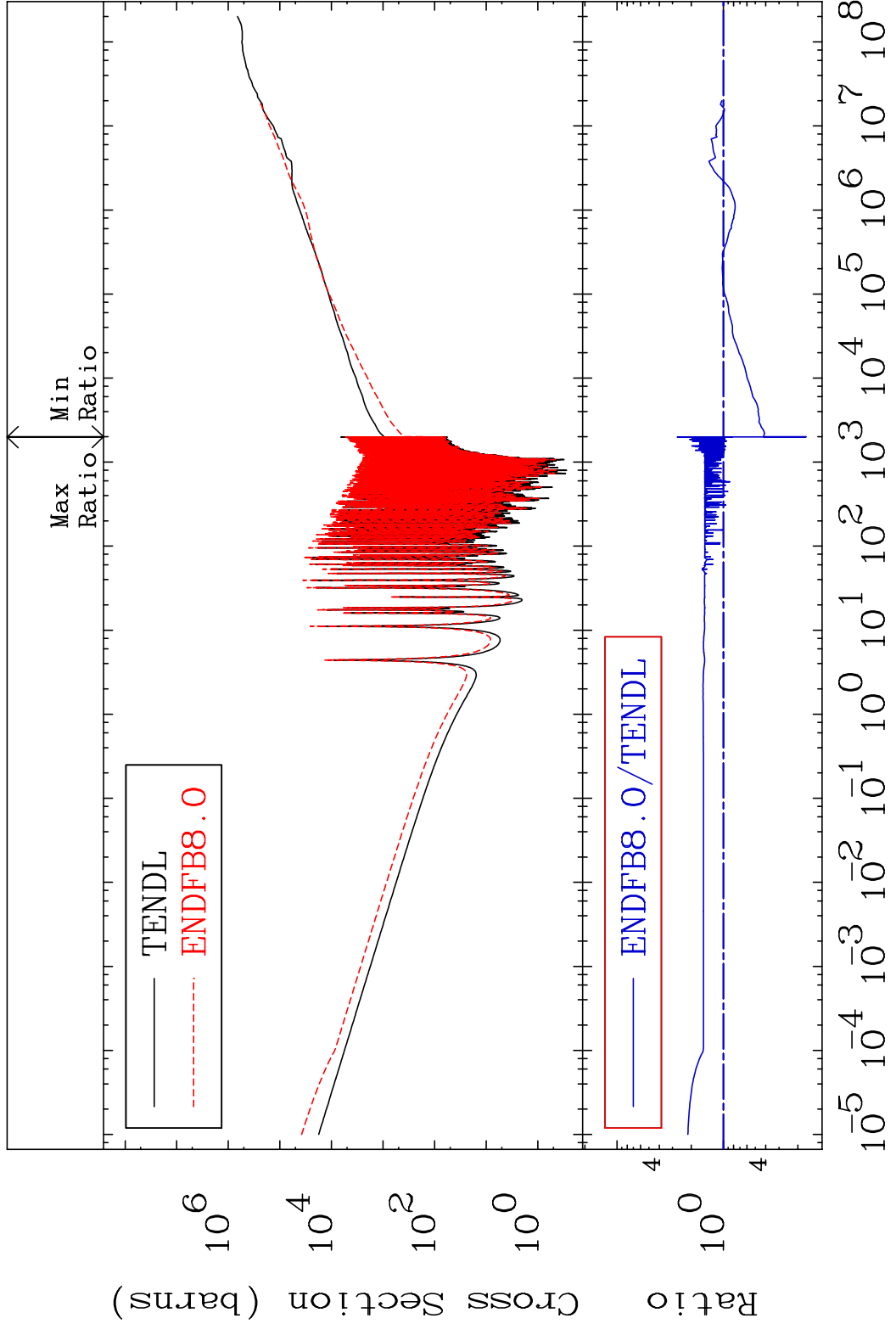
Cross Section -99.63 To 35.78 %



MAT 7531 Total kinematic kerma (high limit) 75-Re-187
 Cross Section -83.46 To 279.8 %



MAT 7531 Dpa total (eV-barns) 75-Re-187
 Cross Section -83.41 To 171.5 %

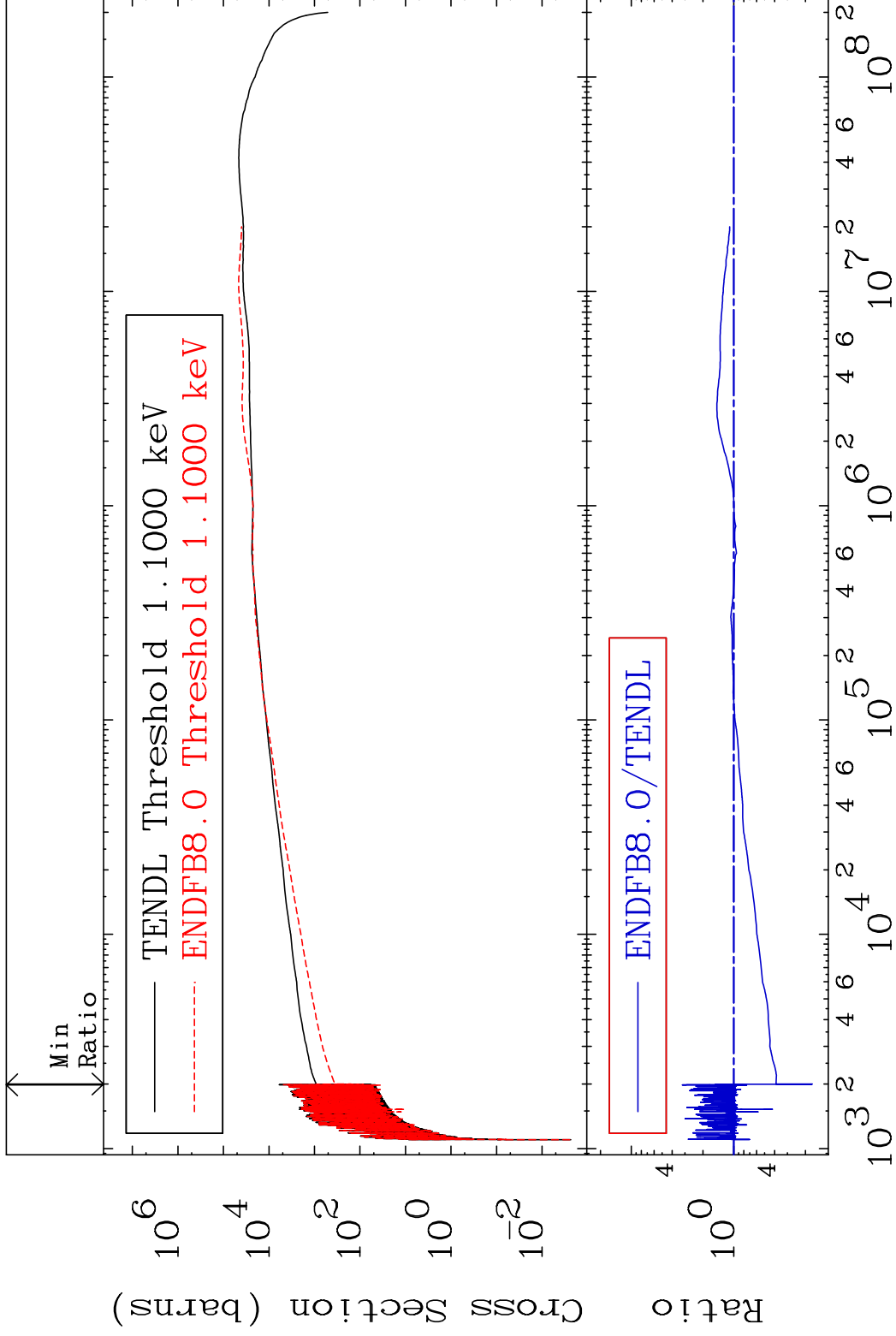


MAT 7531

Dpa elastic (mt2)

75-Re-187

Cross Section -82.90 To 219.1 %



47

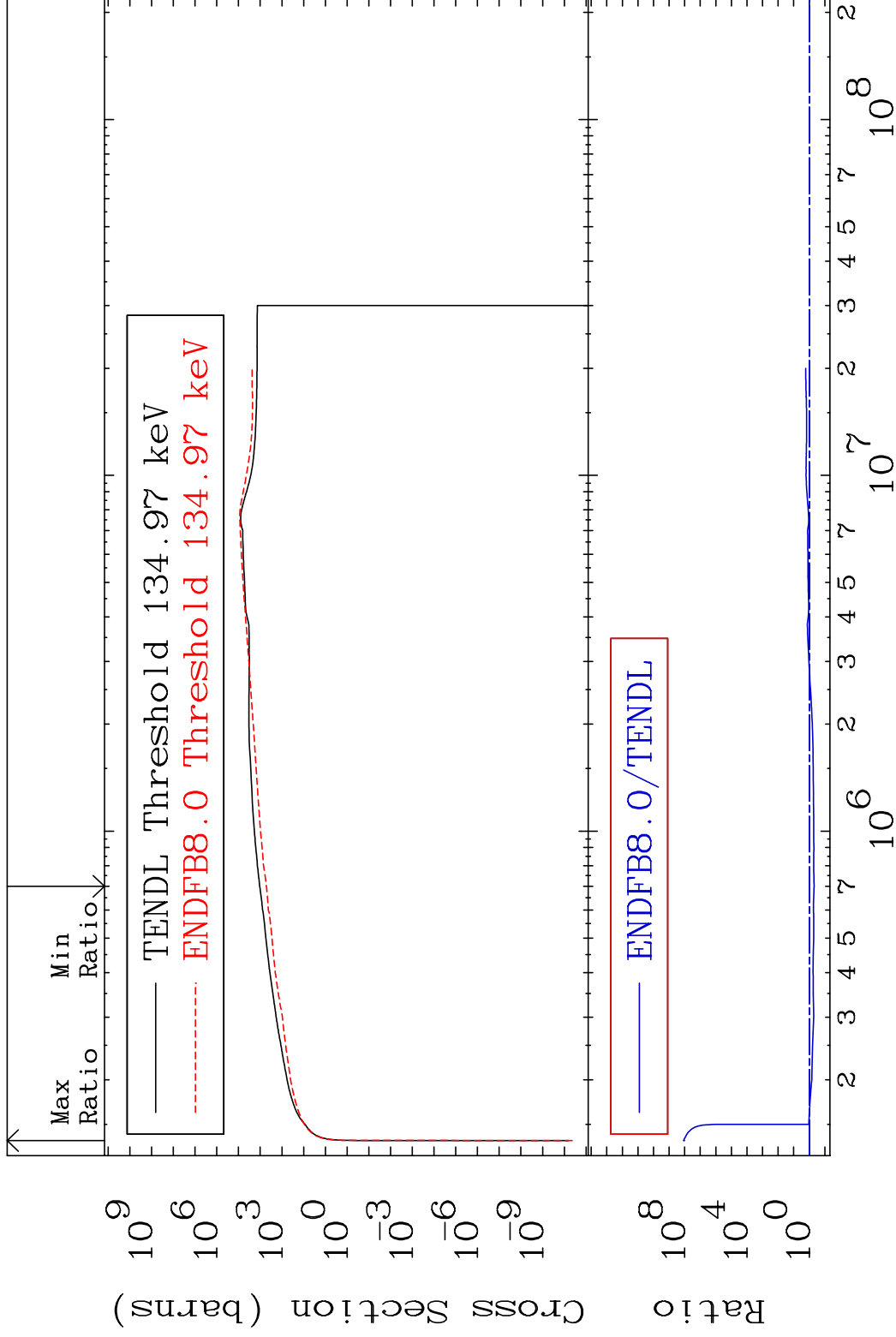
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa inelastic (mt51-91) 75-Re-187

Cross Section -51.26 To 9999. %



MAT 7531 Dpa disappearance (mt102 -120) 75-Re-187
 Cross Section -99.44 To 133.5 %

