

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

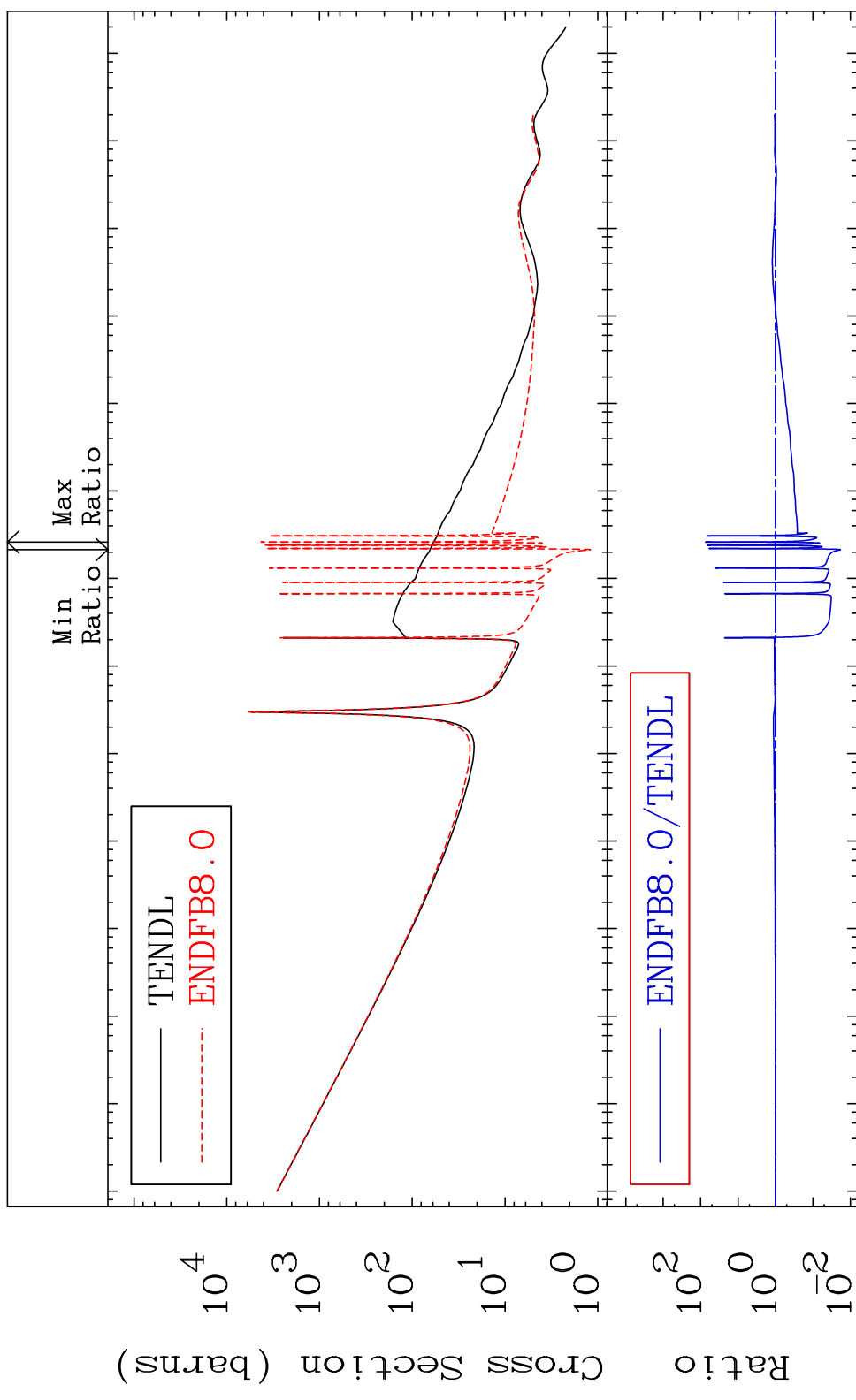
MAT 5725

Total

57-La-138

Cross Section

-98.15 To 7187. %



1

Incident Energy (eV)

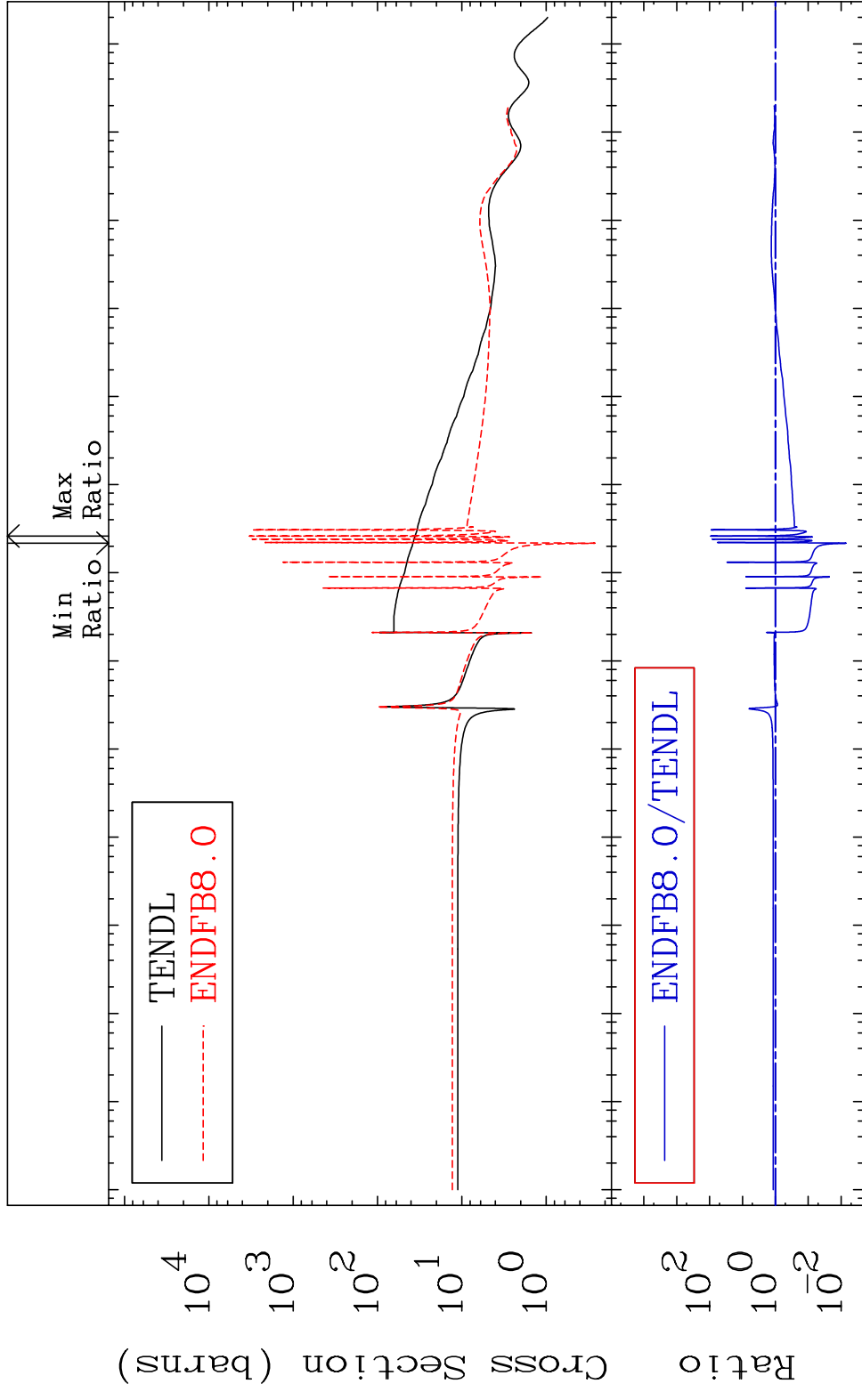
57-La-138

MAT 5725

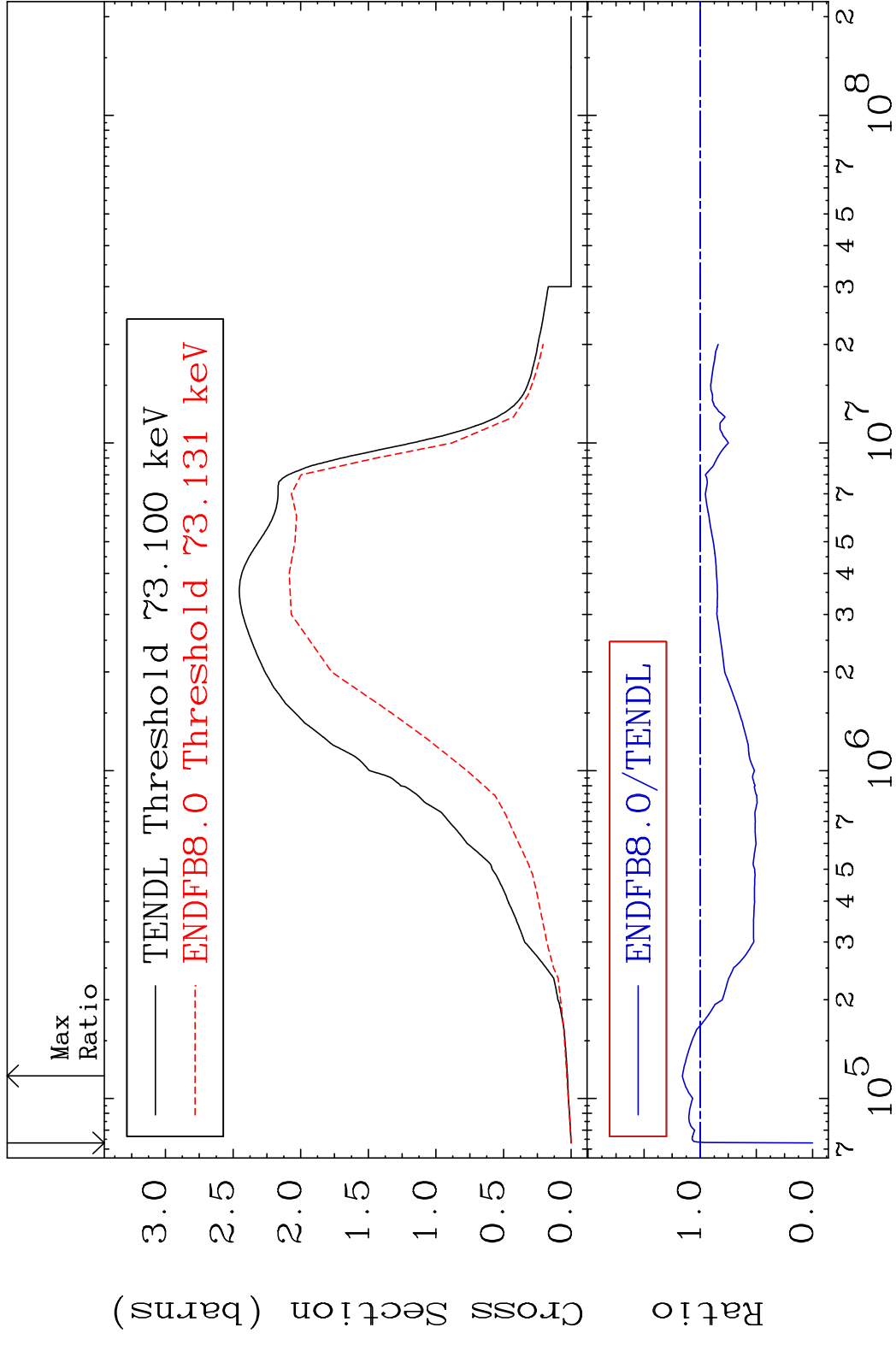
57-La-138

Elastic

Cross Section -99.30 To 9135. %



MAT 5725 Inelastic 57-La-138
 Cross Section -100.0 To 15.90 %



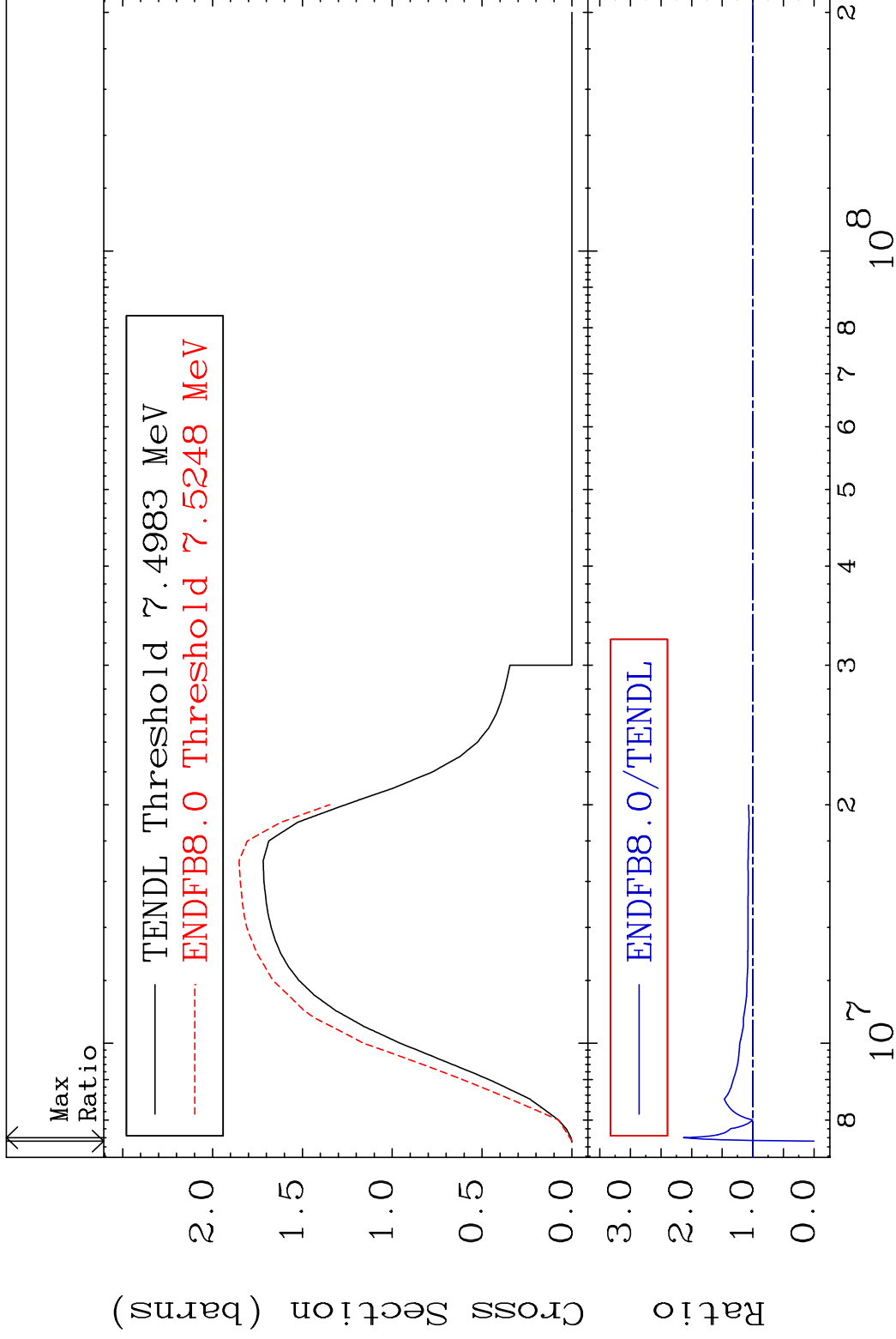
3 Incident Energy (eV) 57-La-138

MAT 5725

(n,2n)

57-La-138

Cross Section -100.0 To 113.4 %



4

Incident Energy (eV)

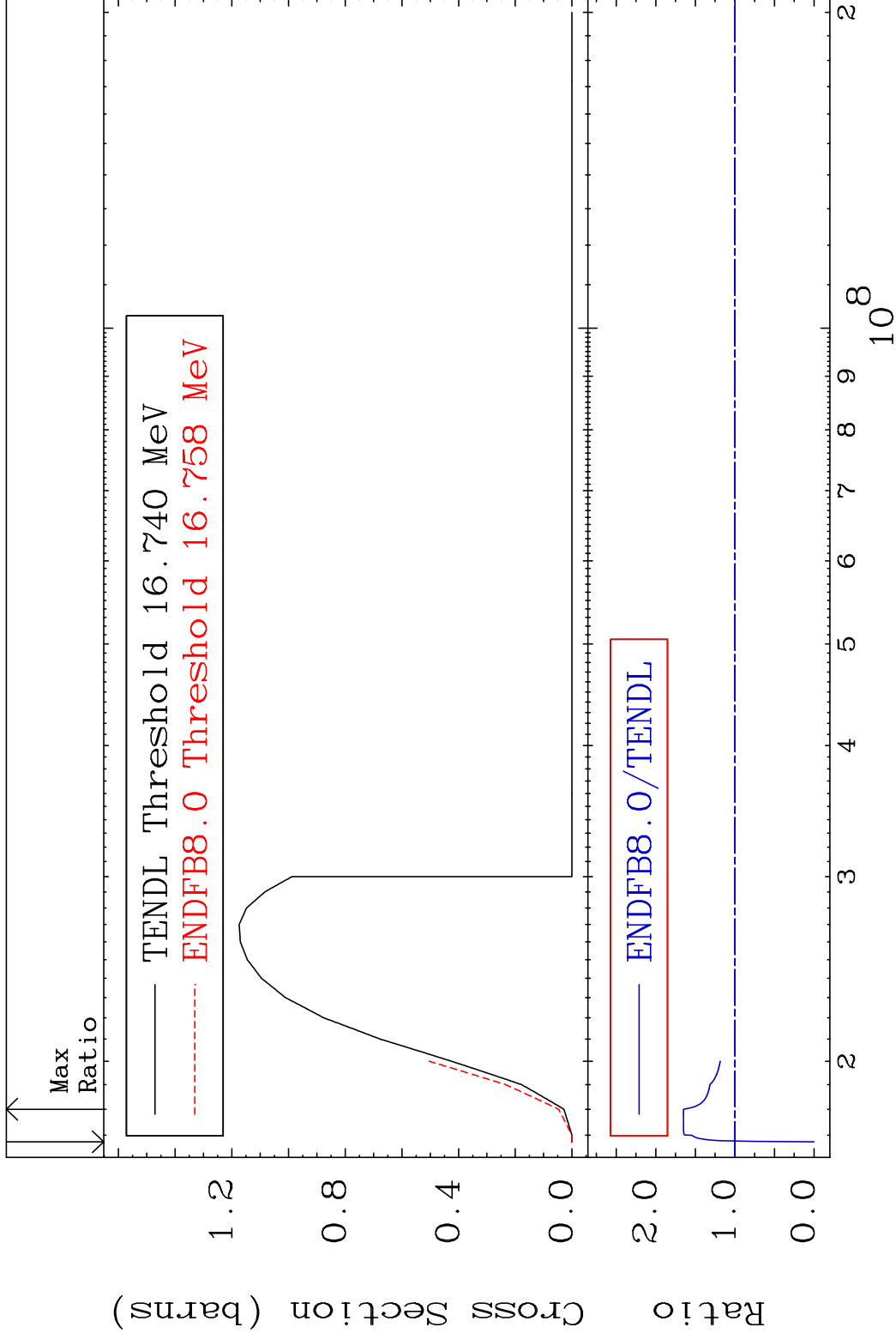
57-La-138

MAT 5725

(n,3n)

57-La-138

Cross Section -100.0 To 65.04 %



5

Incident Energy (eV)

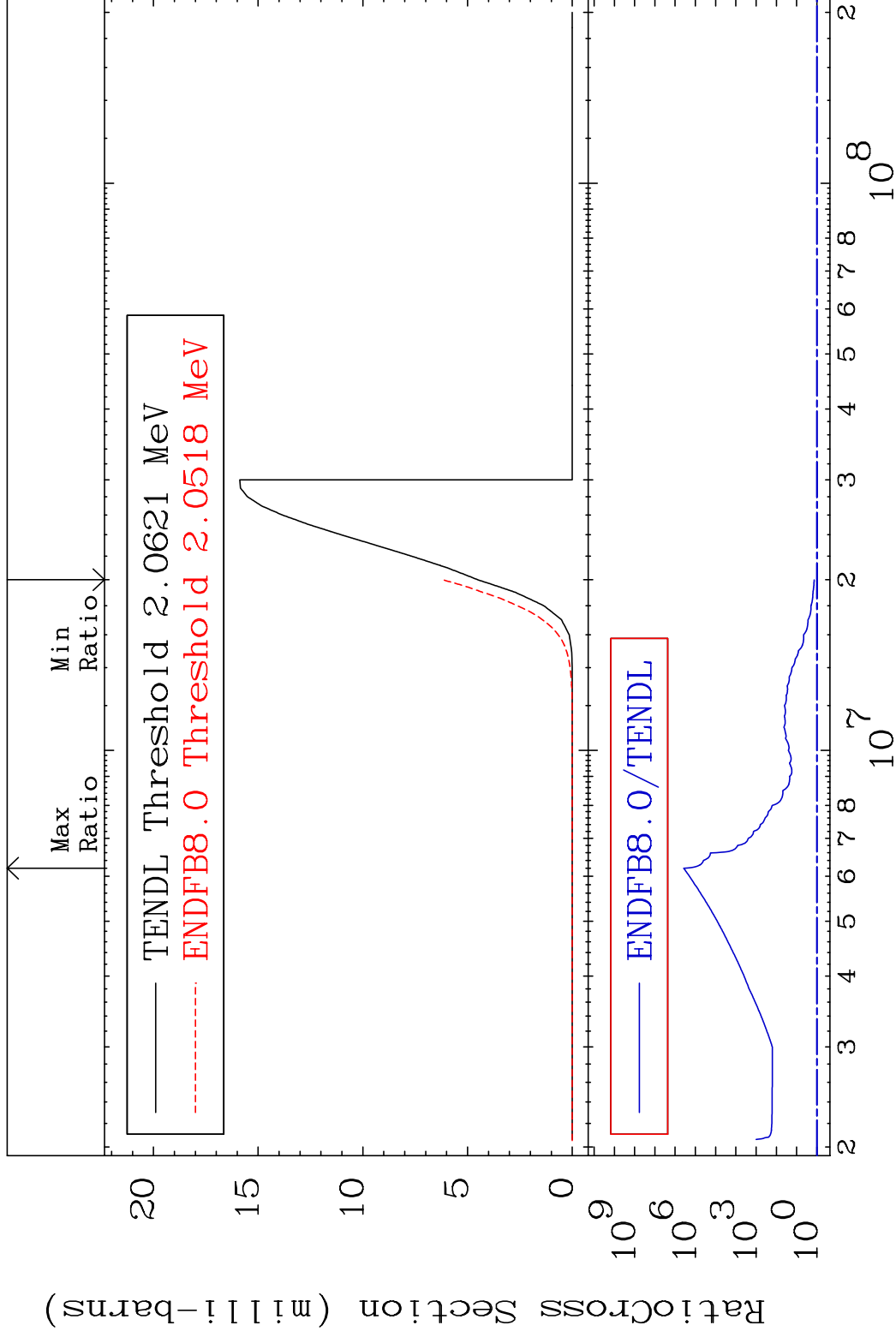
57-La-138

MAT 5725

(n, n') α

57-La-138

Cross Section 37.72 To 9999. %



6

Incident Energy (eV)

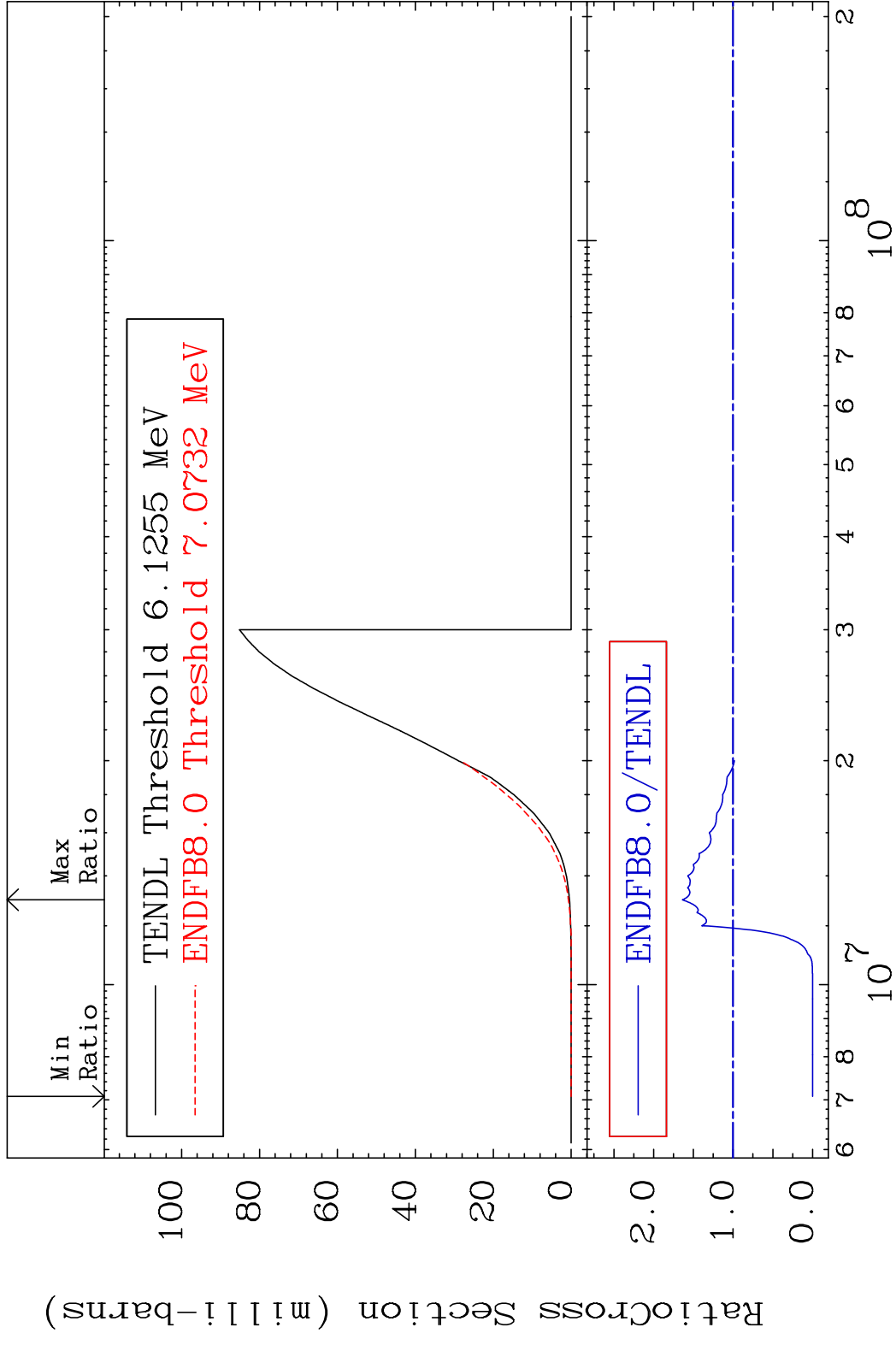
57-La-138

MAT 5725

57-La-138

(n, n') p

Cross Section -100.0 To 63.83 %



7

Incident Energy (eV)

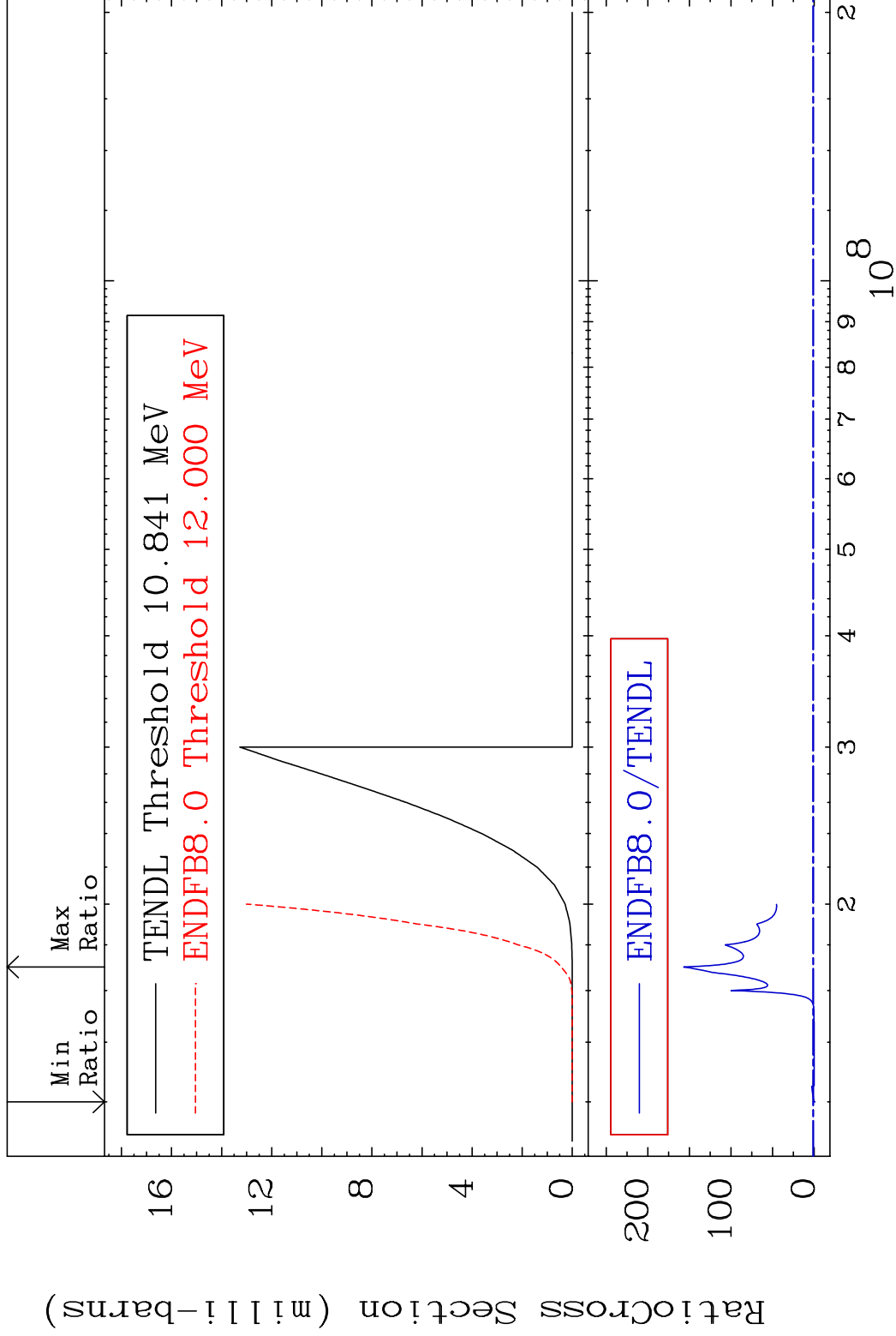
57-La-138

MAT 5725

(n, n') d

57-La-138

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

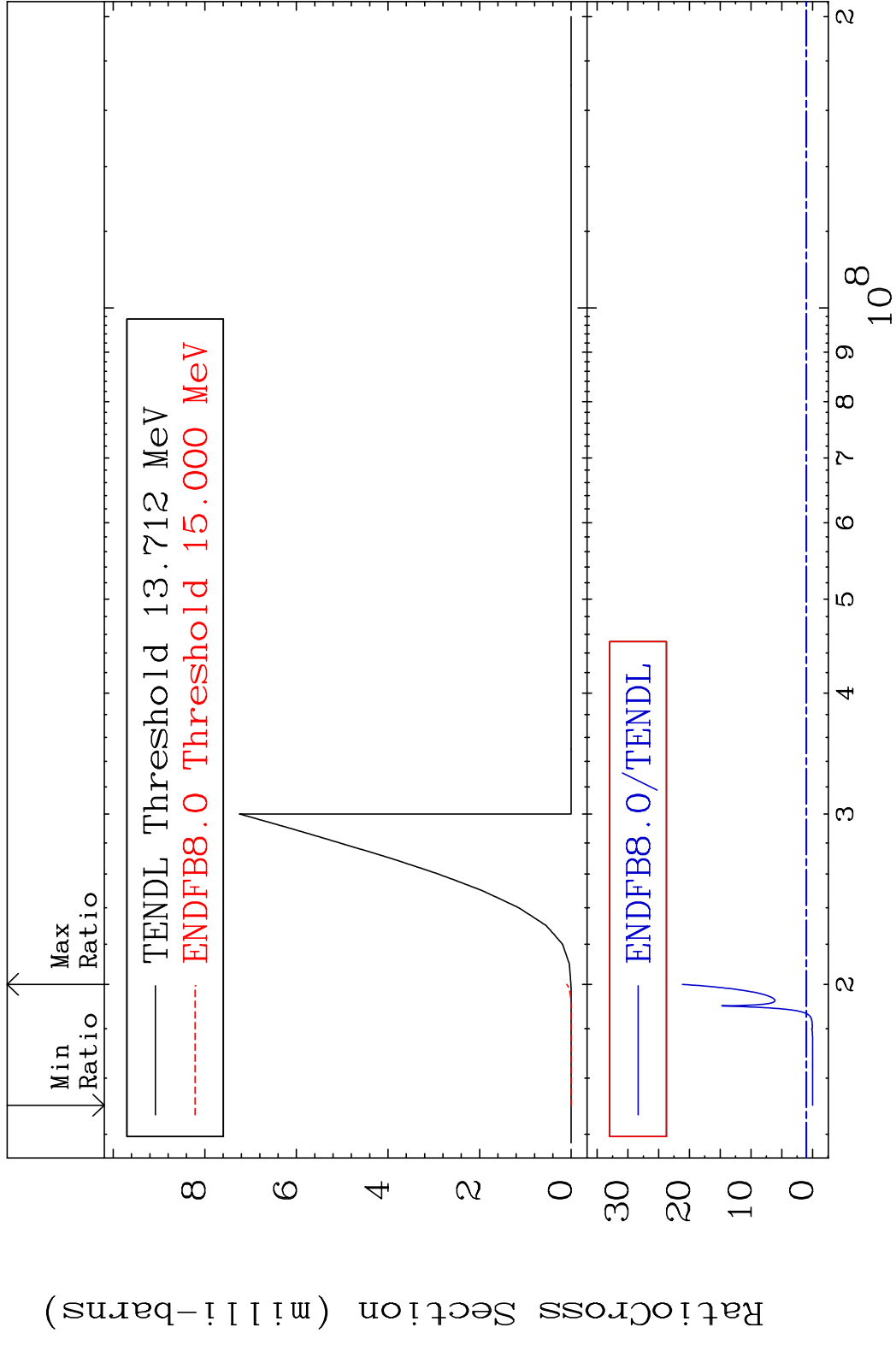
57-La-138

MAT 5725

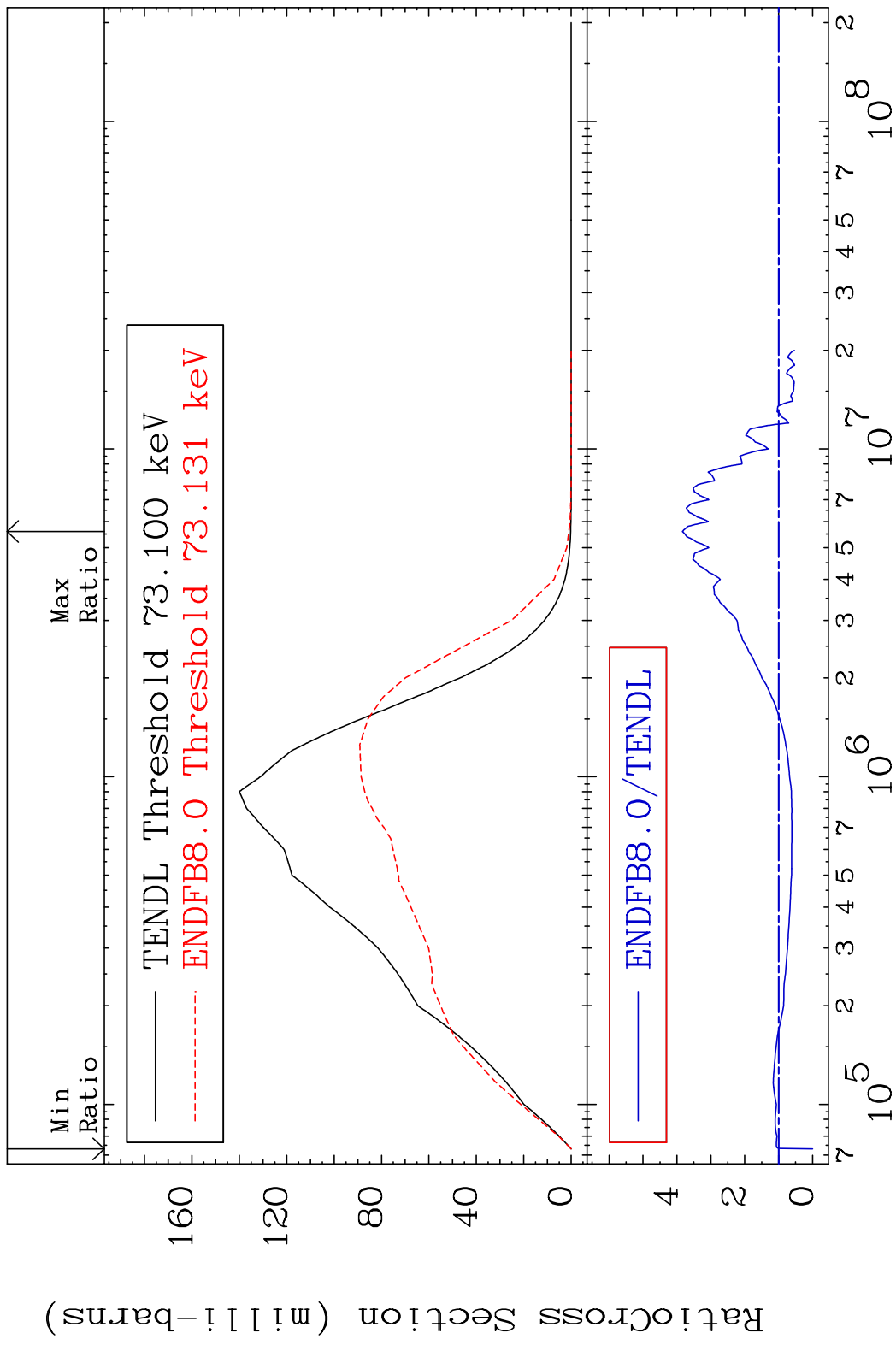
(n, n') t

57-La-138

Cross Section -100.0 To 2015. %

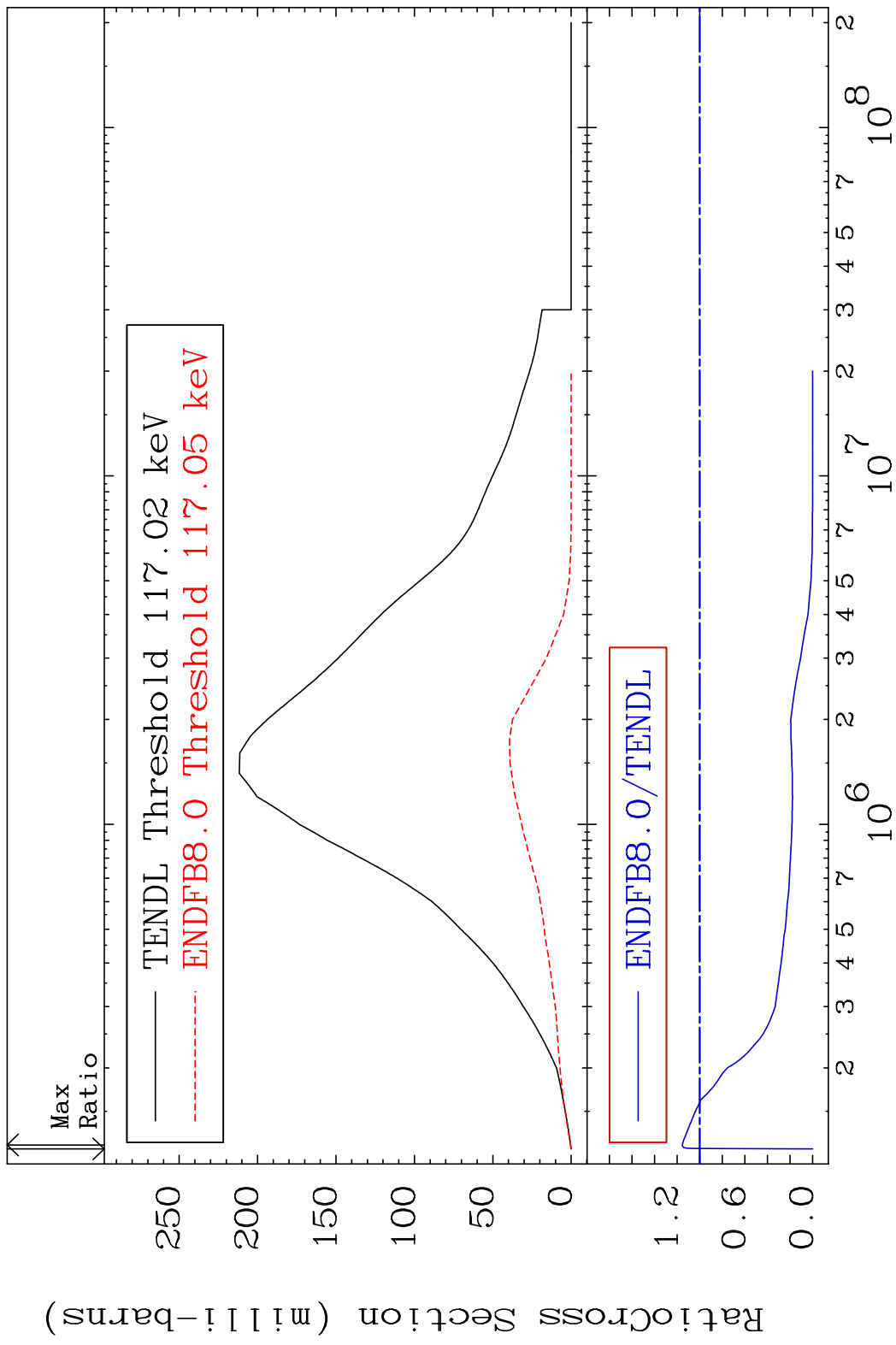


MAT 5725 MT= 51 (n, n') Level 57-La-138
 Cross Section -100.0 To 284.1 %

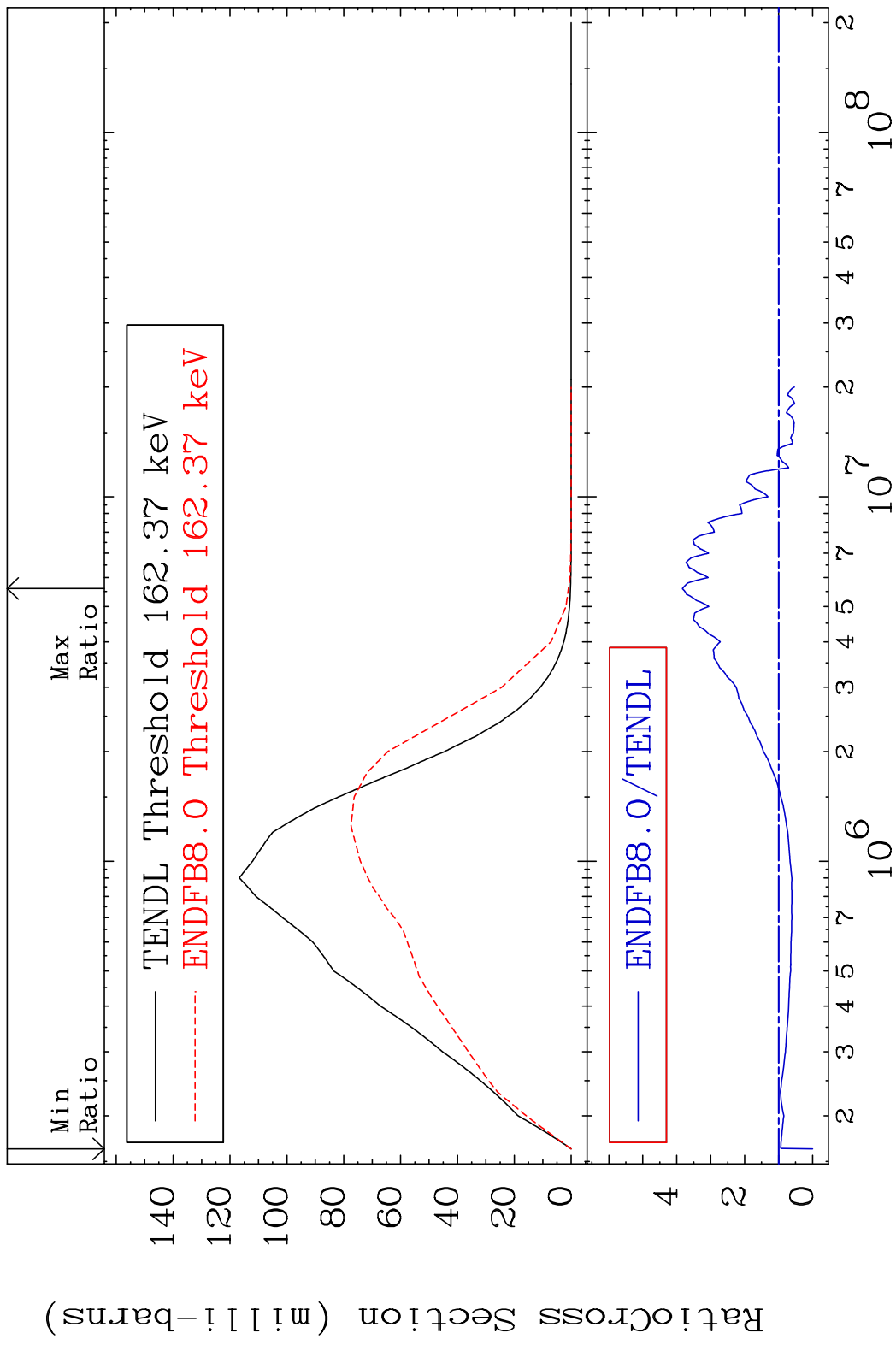


10 Incident Energy (eV) 57-La-138

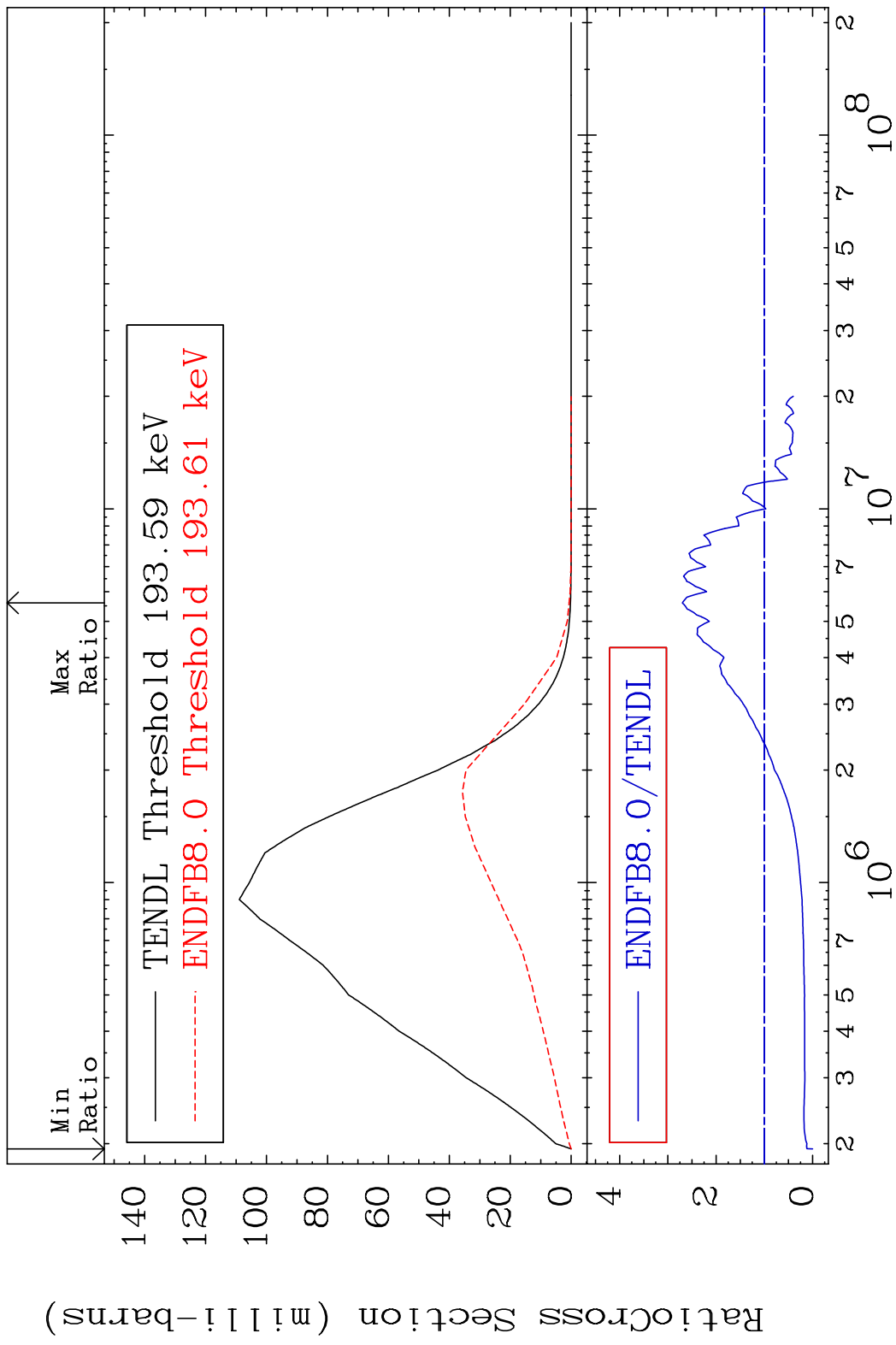
MAT 5725 MT= 52 (n, n') Level 57-La-138
 Cross Section -100.0 To 15.40 %



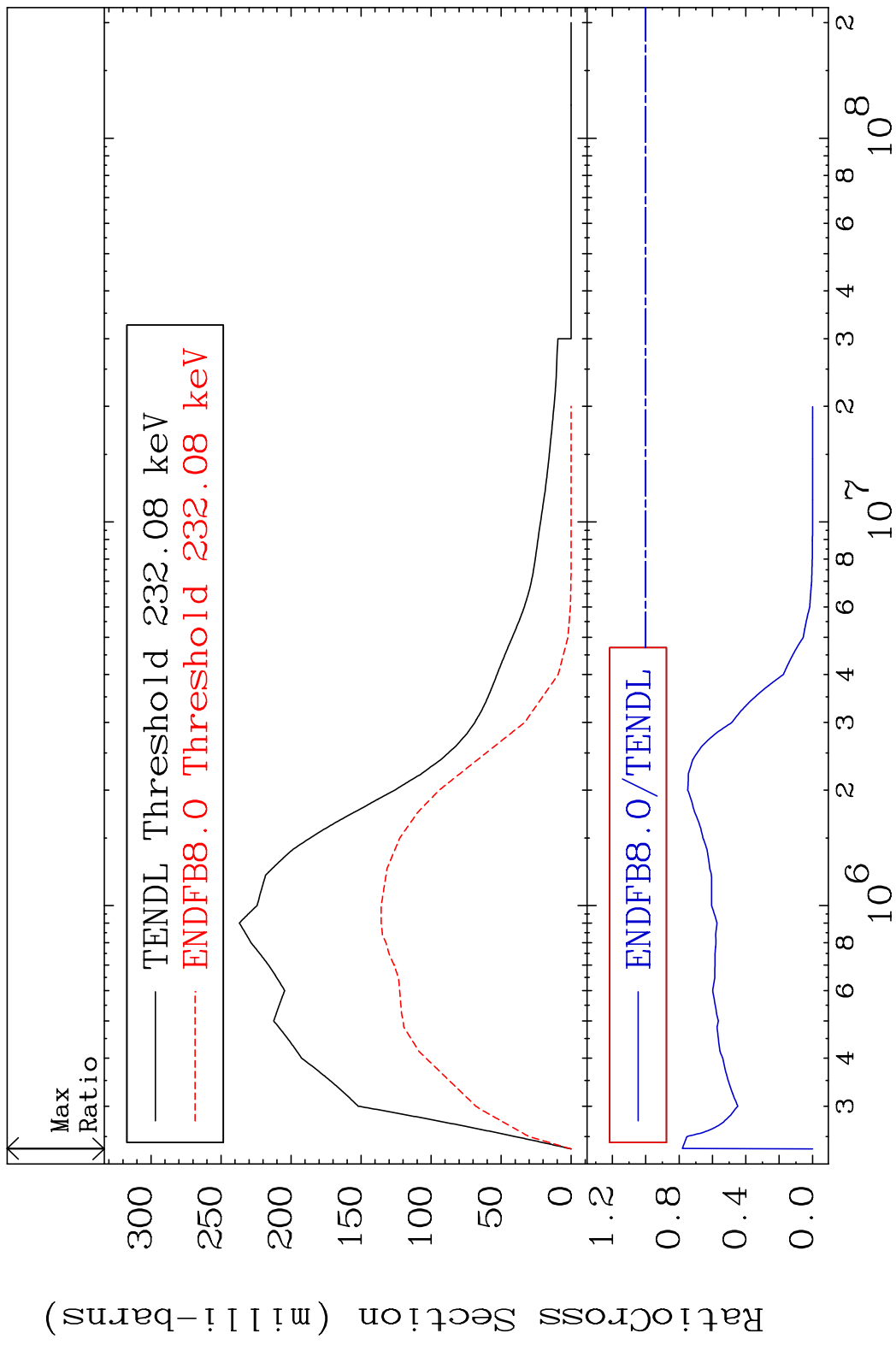
MAT 5725 MT= 53 (n, n') Level 57-La-138
 Cross Section -100.0 To 283.5 %



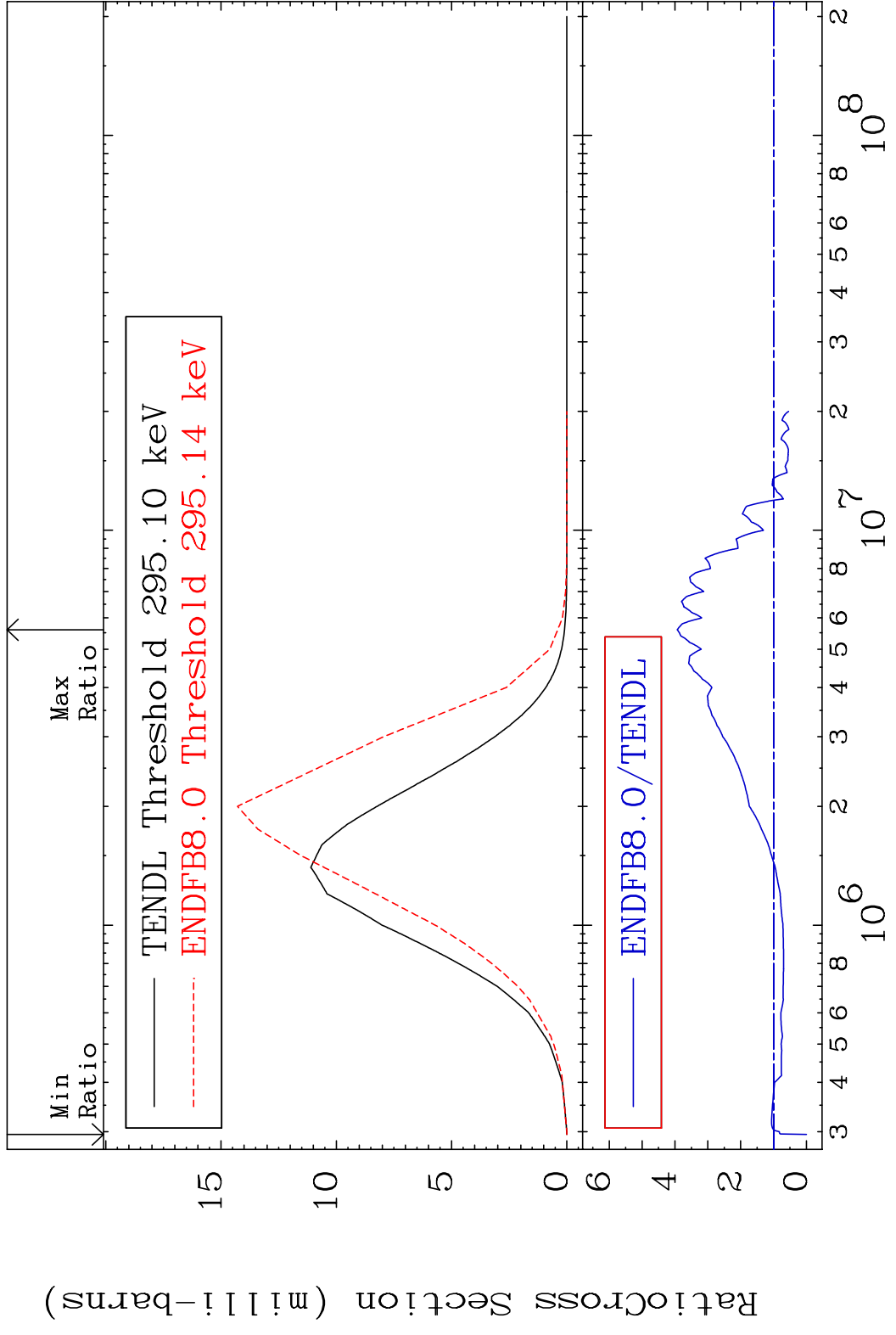
MAT 5725 MT= 54 (n, n') Level 57-La-138
 Cross Section -100.0 To 170.0 %



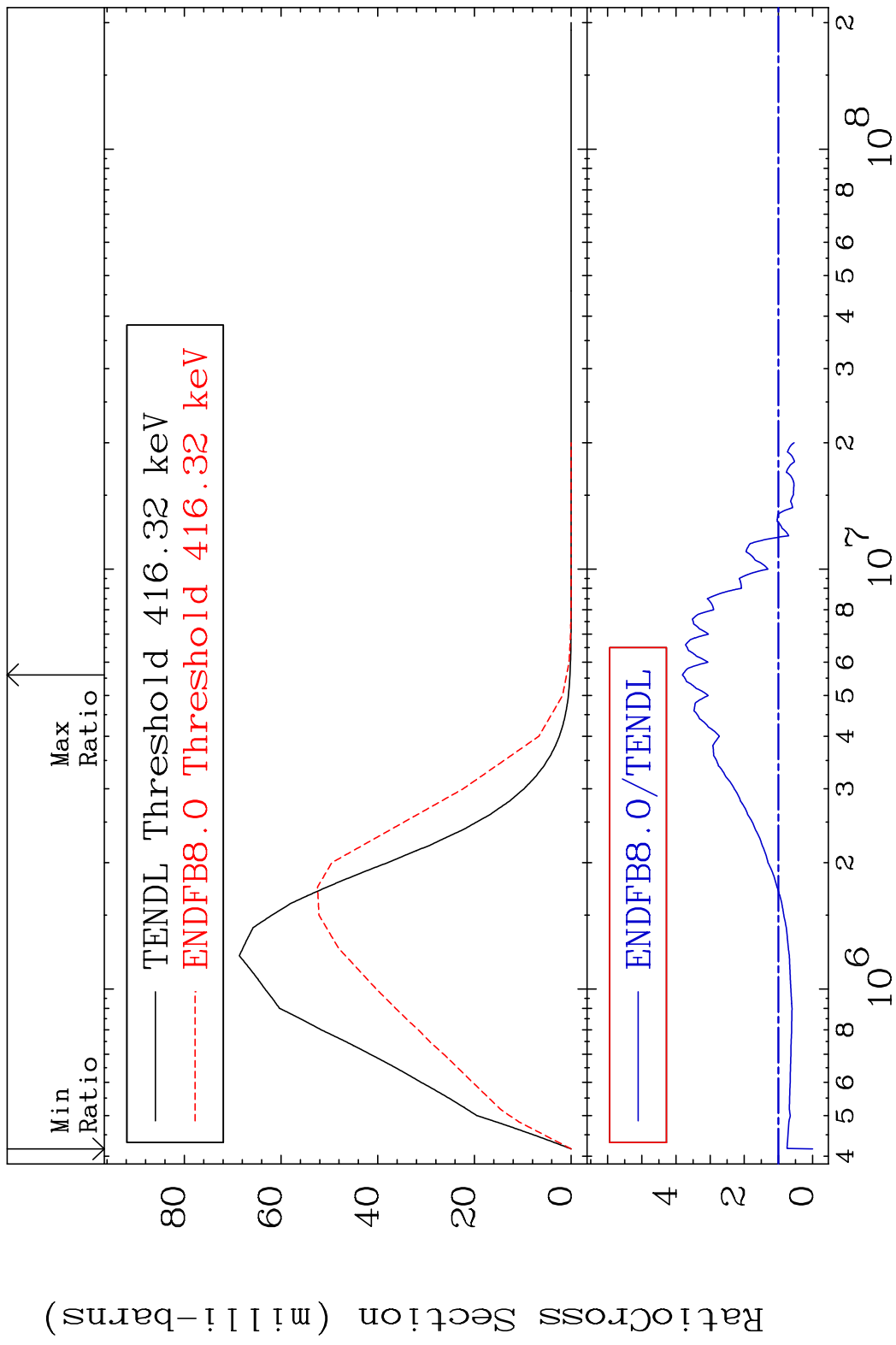
MAT 5725 MT= 55 (n,n') Level 57-La-138
 Cross Section -100.0 To -21.96%



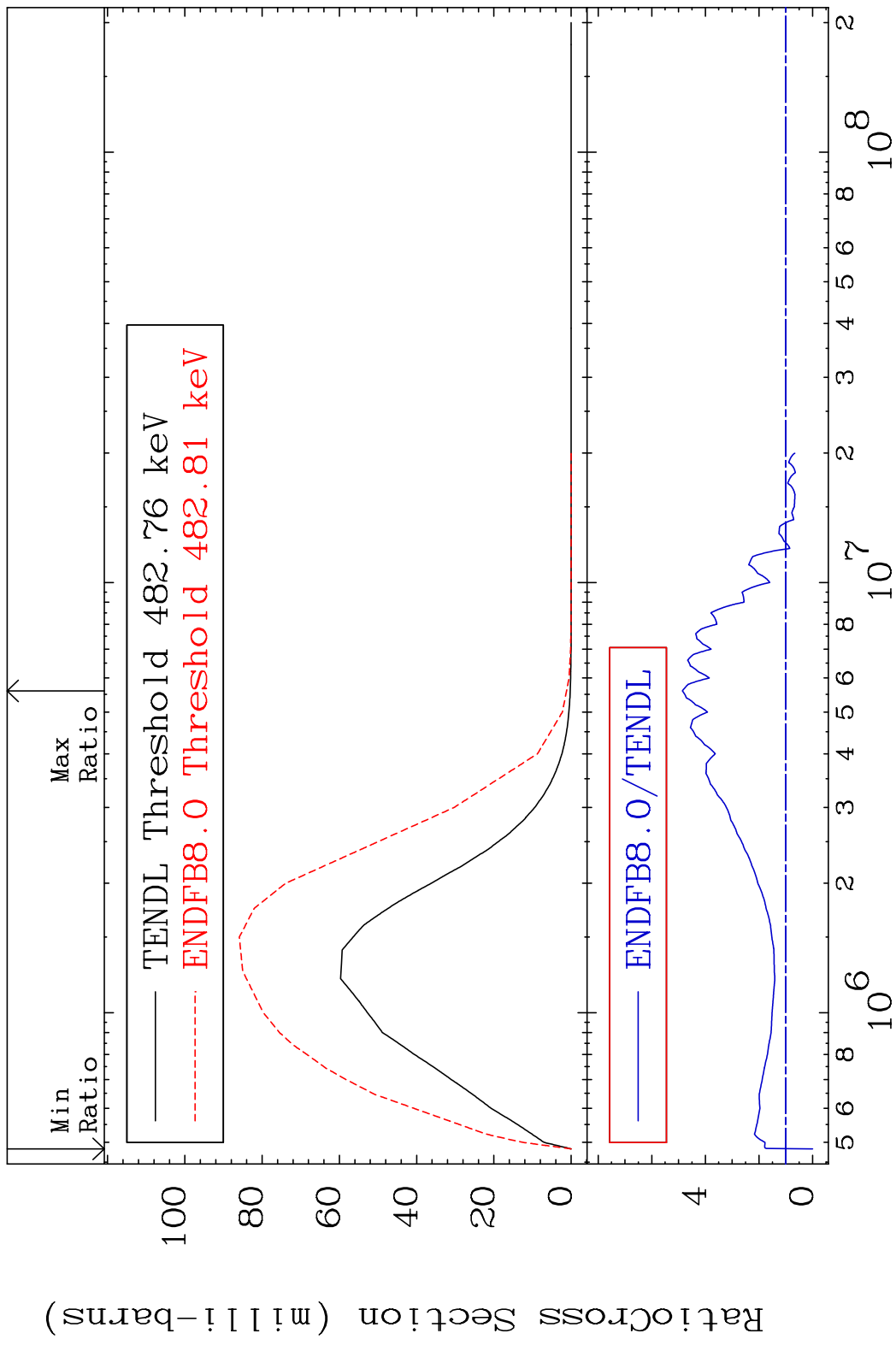
MAT 5725 MT= 56 (n, n') Level 57-La-138
 Cross Section -100.0 To 293.2 %



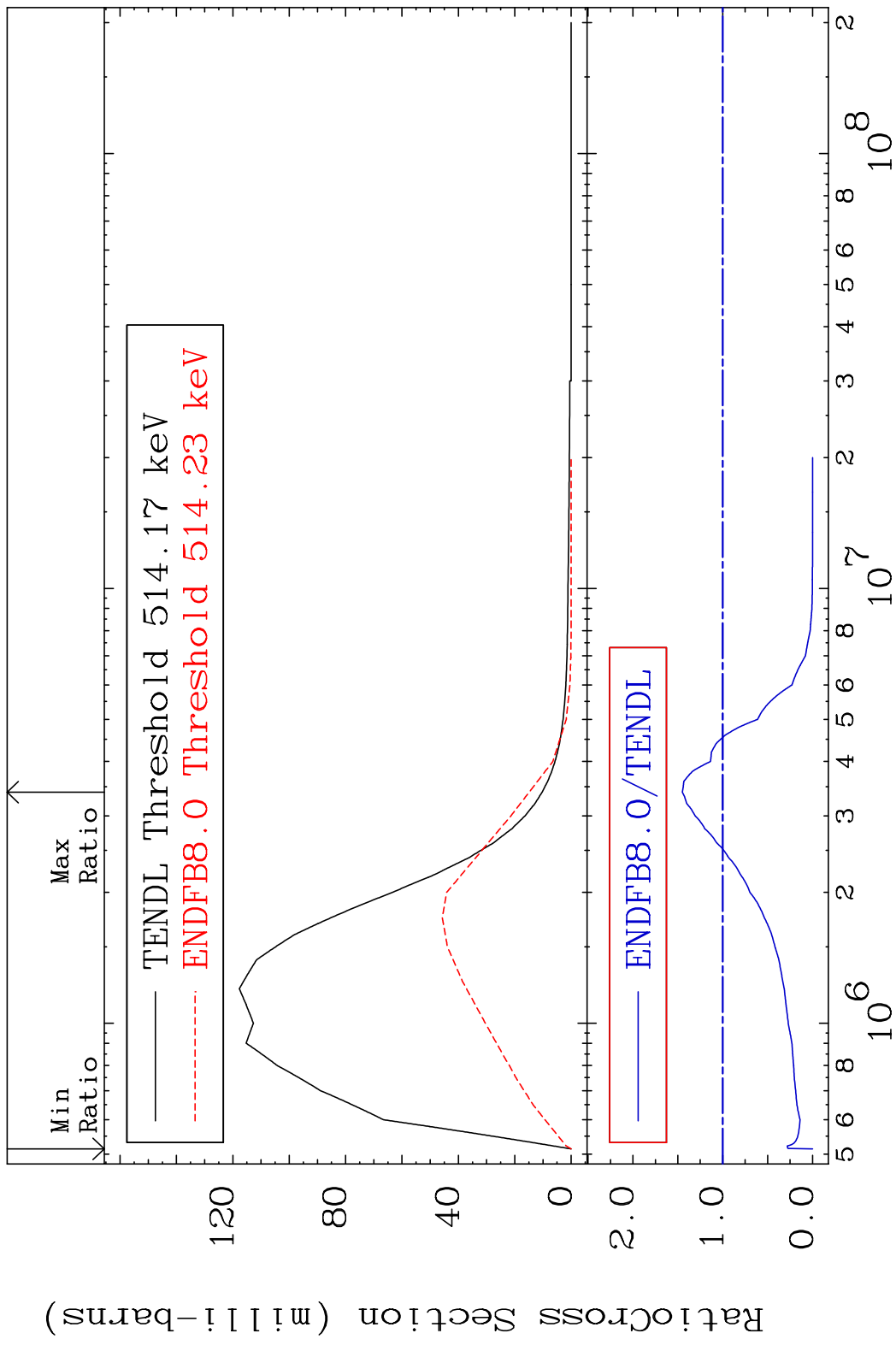
MAT 5725 MT= 57 (n, n') Level 57-La-138
 Cross Section -100.0 To 281.3 %



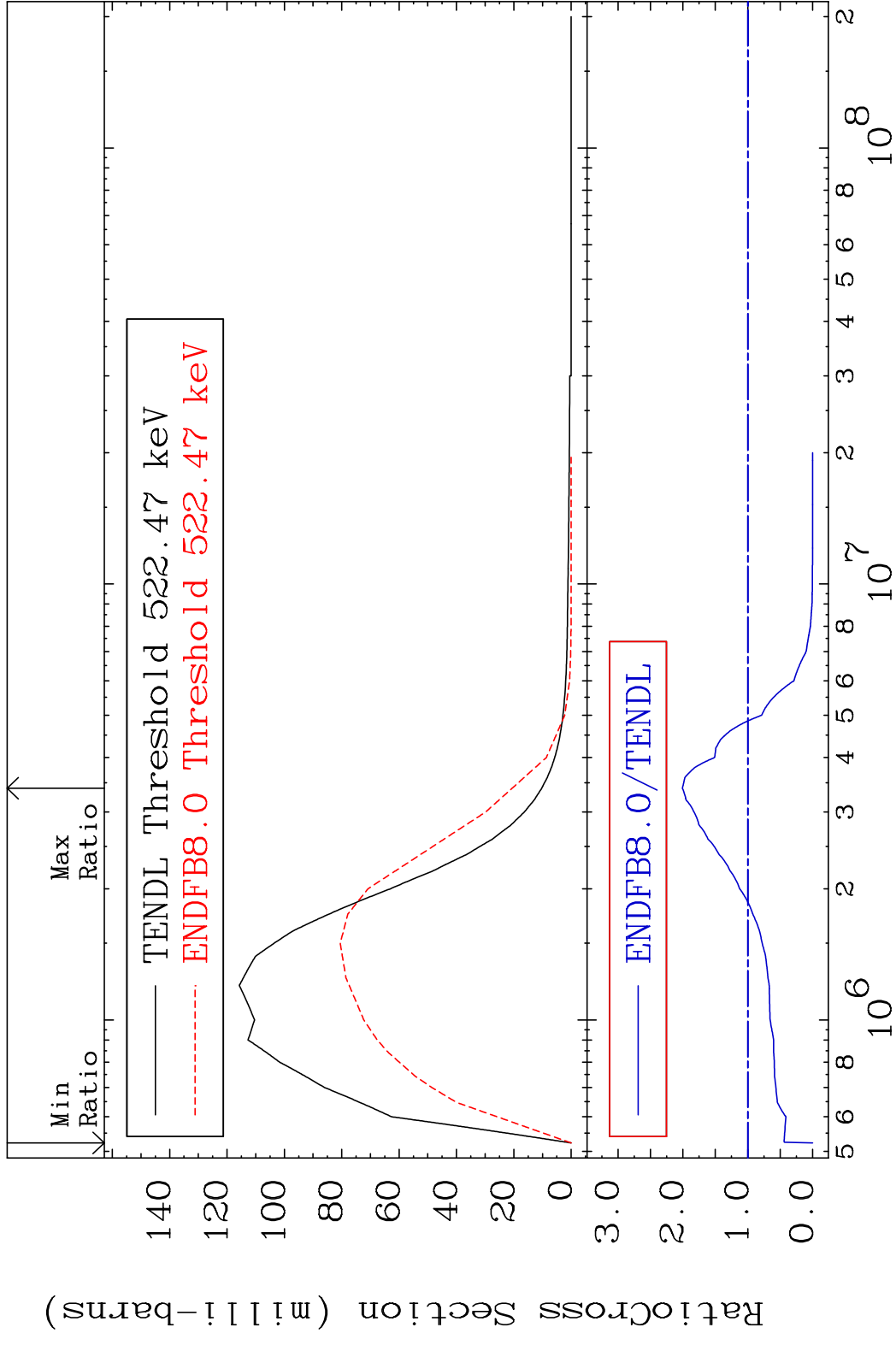
MAT 5725 MT= 58 (n, n') Level 57-La-138
 Cross Section -100.0 To 385.8 %



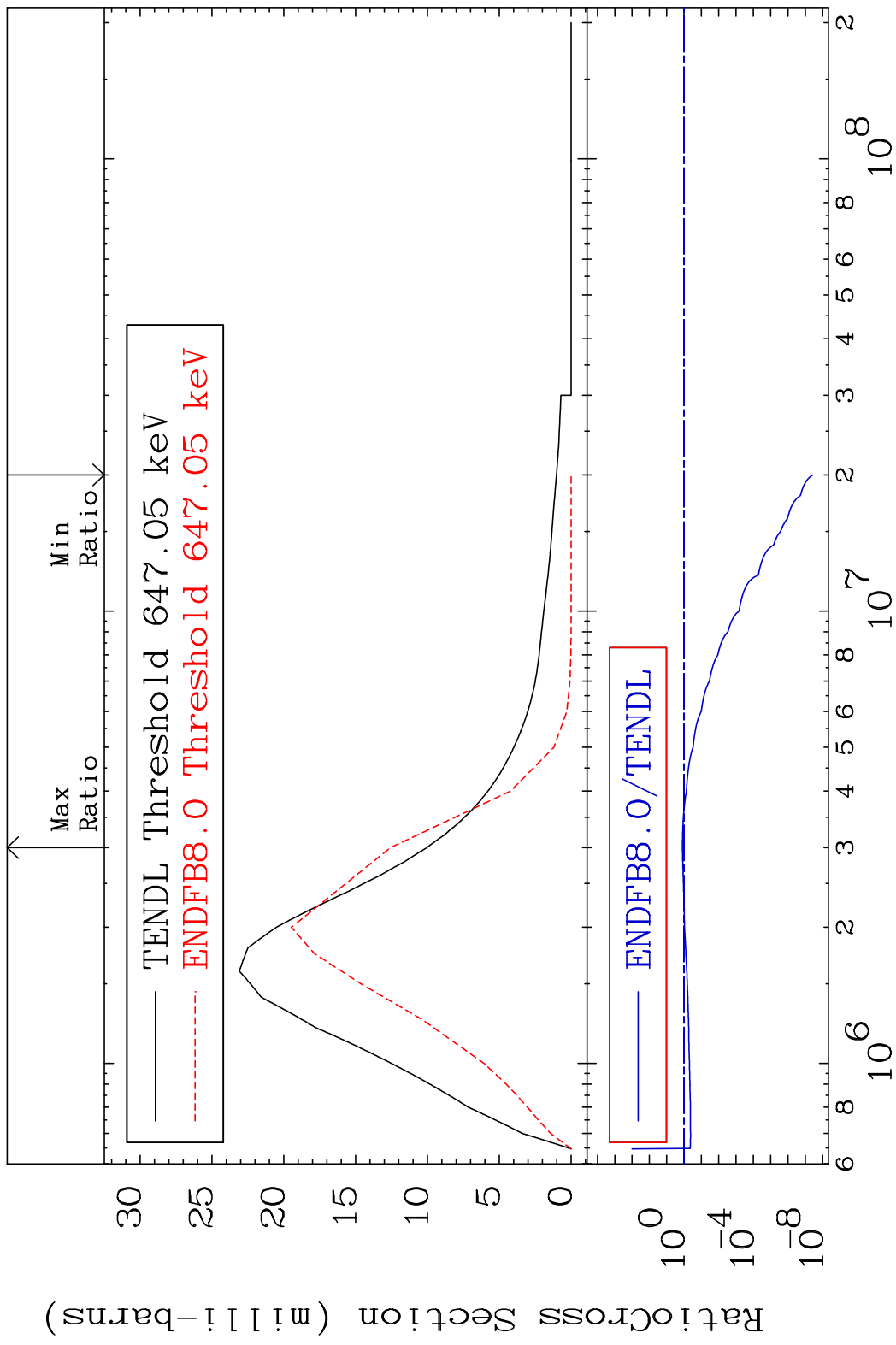
MAT 5725 MT= 59 (n, n') Level 57-La-138
 Cross Section -100.0 To 44.97 %



MAT 5725 MT= 60 (n, n') Level 57-La-138
 Cross Section -100.0 To 100.9 %

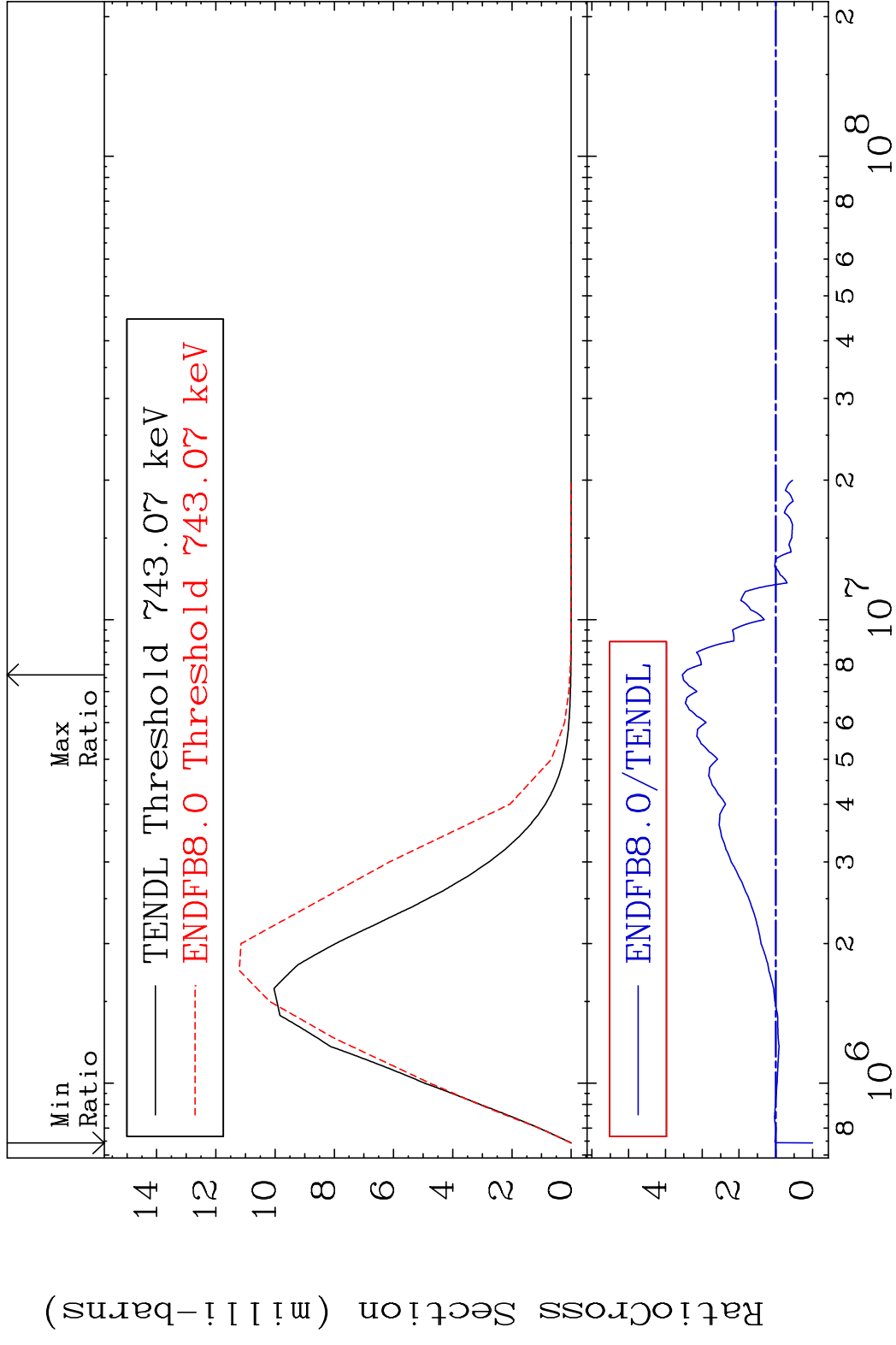


MAT 5725 MT= 61 (n, n') Level 57-La-138
 Cross Section -100.0 To 25.16 %

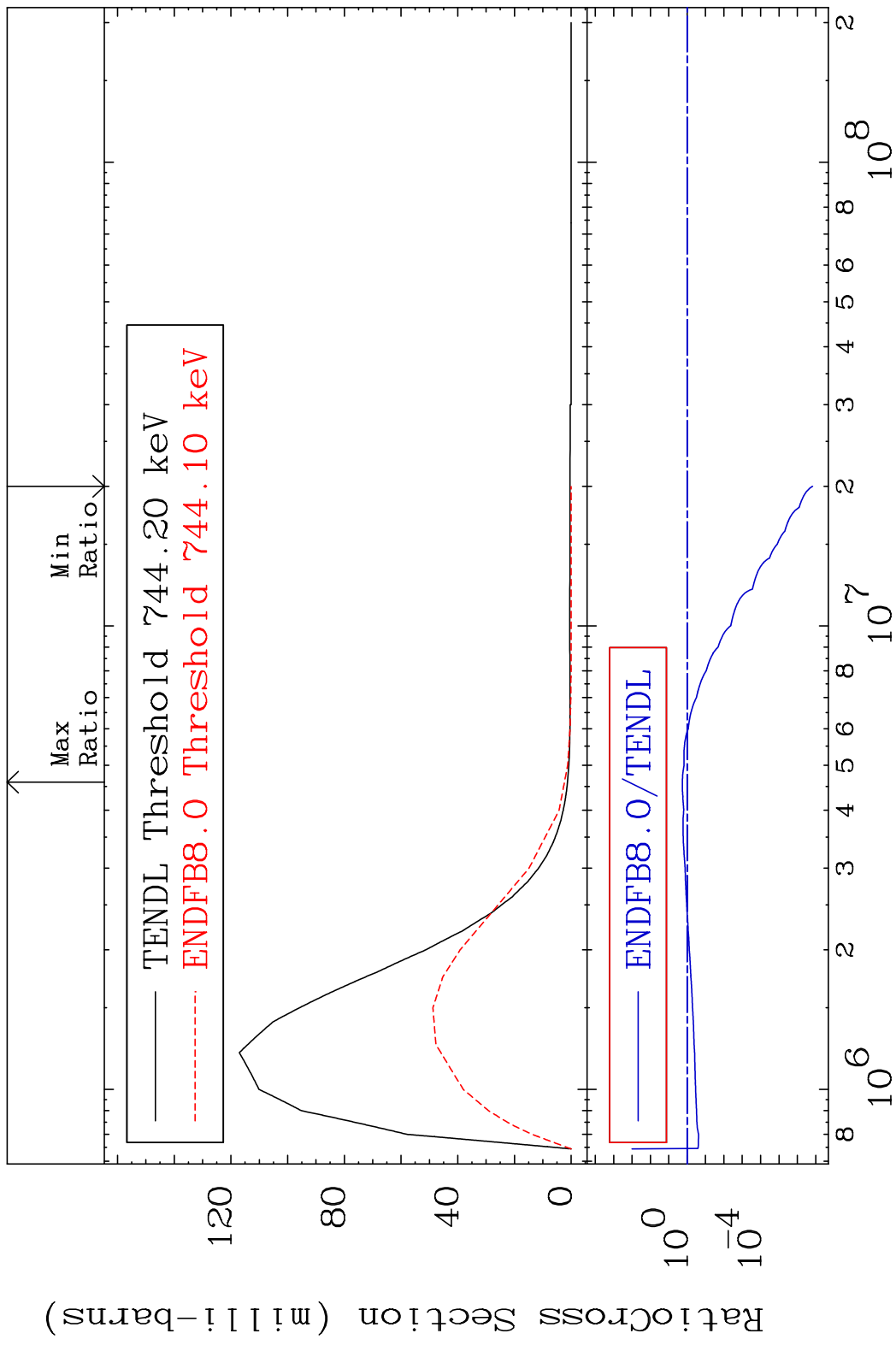


20 Incident Energy (eV) 57-La-138

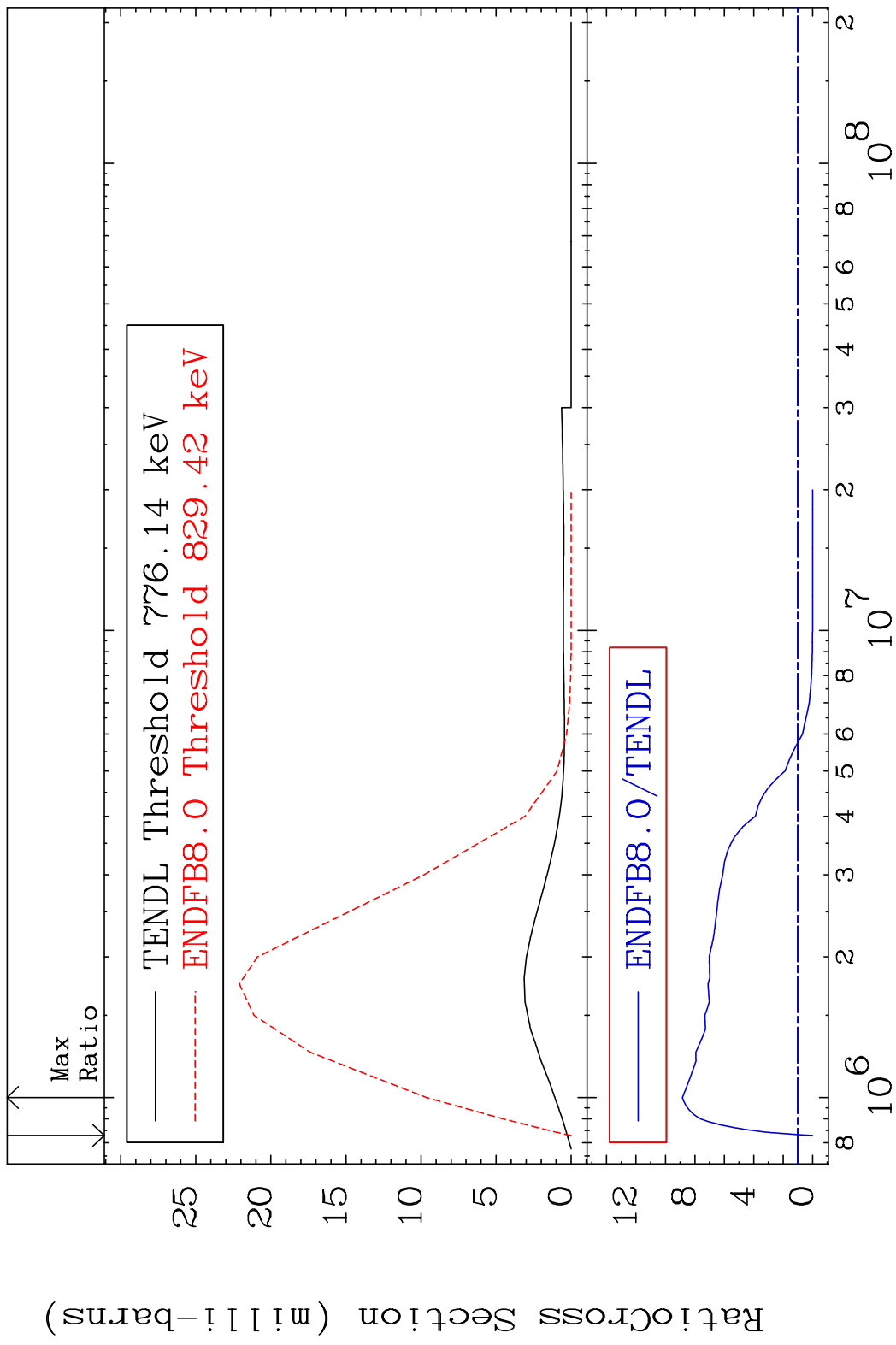
MAT 5725 MT= 62 (n, n') Level 57-La-138
 Cross Section -100.0 To 254.0 %



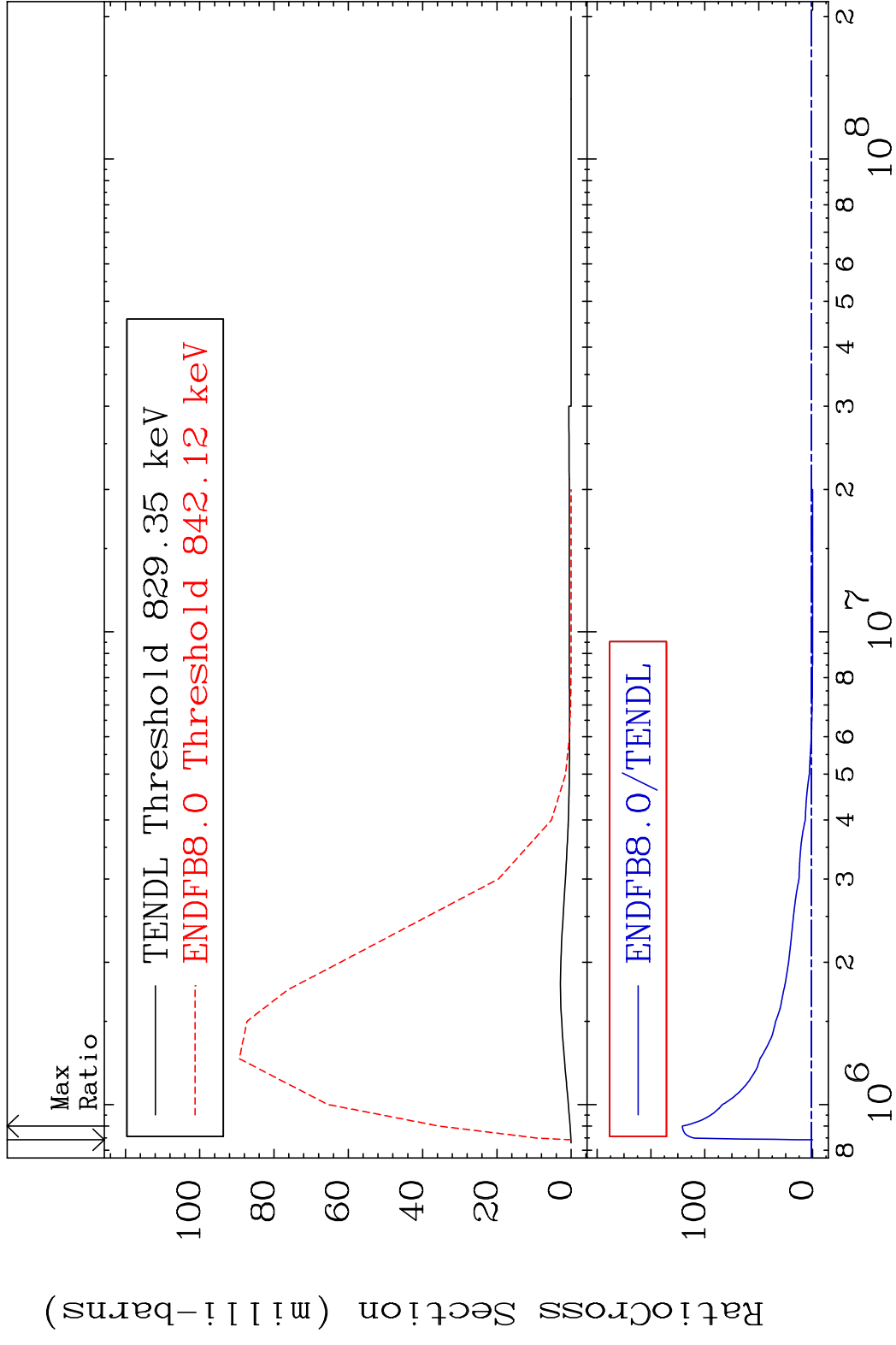
MAT 5725 MT= 63 (n, n') Level 57-La-138
 Cross Section -100.0 To 81.93 %



MAT 5725 MT= 64 (n,n') Level 57-La-138
 Cross Section -100.0 To 784.8 %



MAT 5725 MT= 65 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %

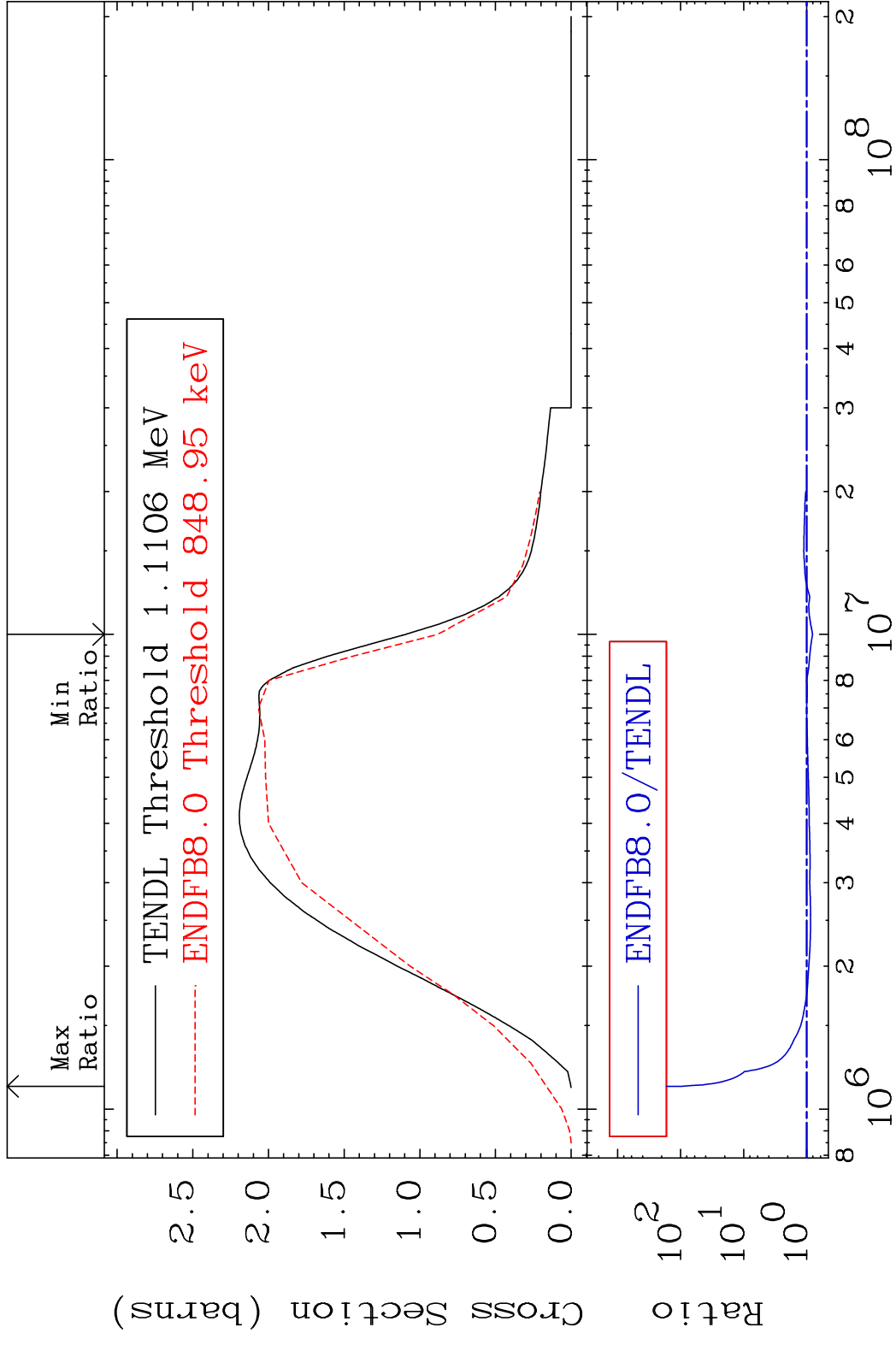


MAT 5725

(n, n') Continuum

57-La-138

Cross Section -19.28 To 9305. %



25

Incident Energy (eV)

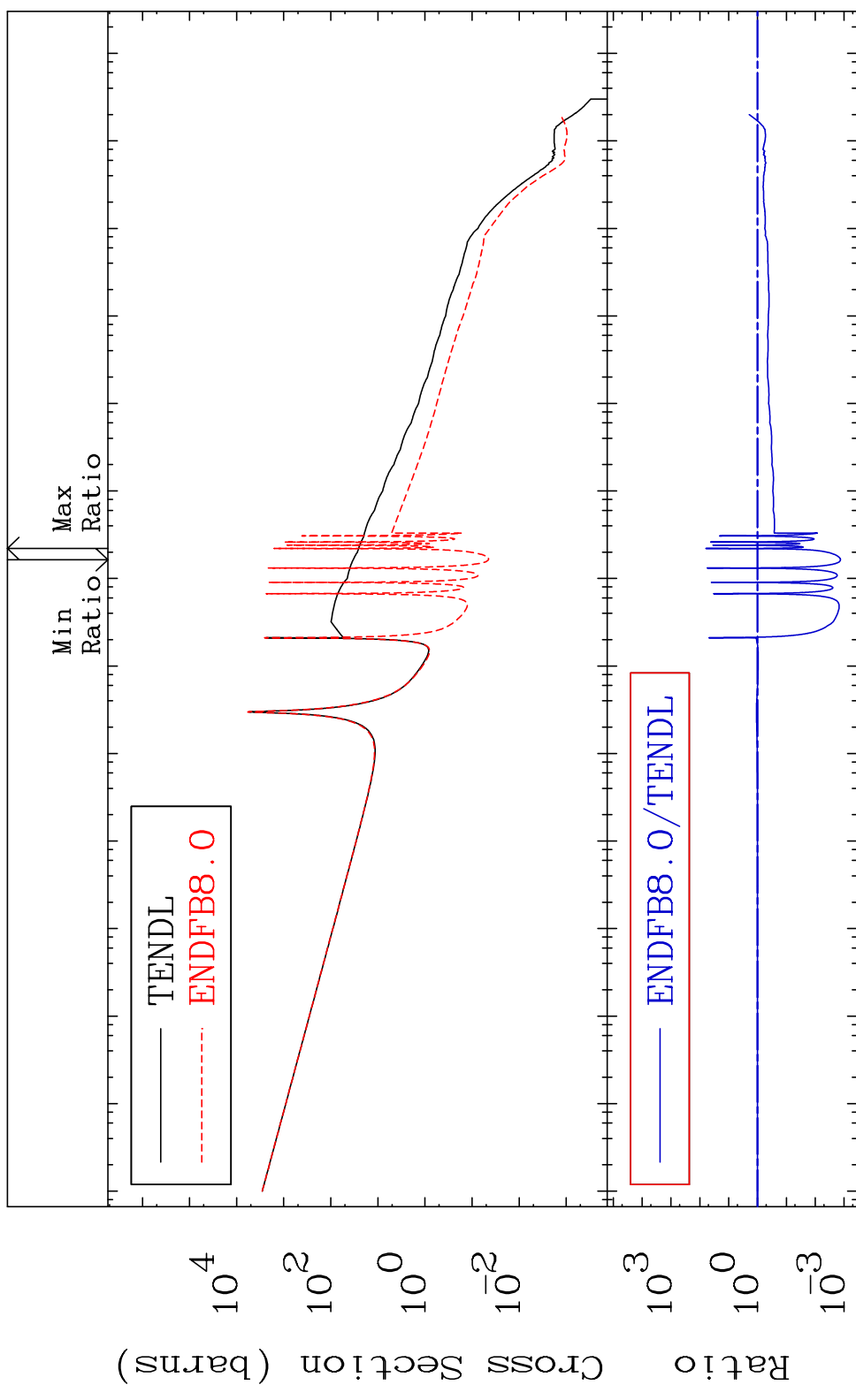
57-La-138

MAT 5725

(n, γ)

57-La-138

Cross Section -99.87 To 6124. %

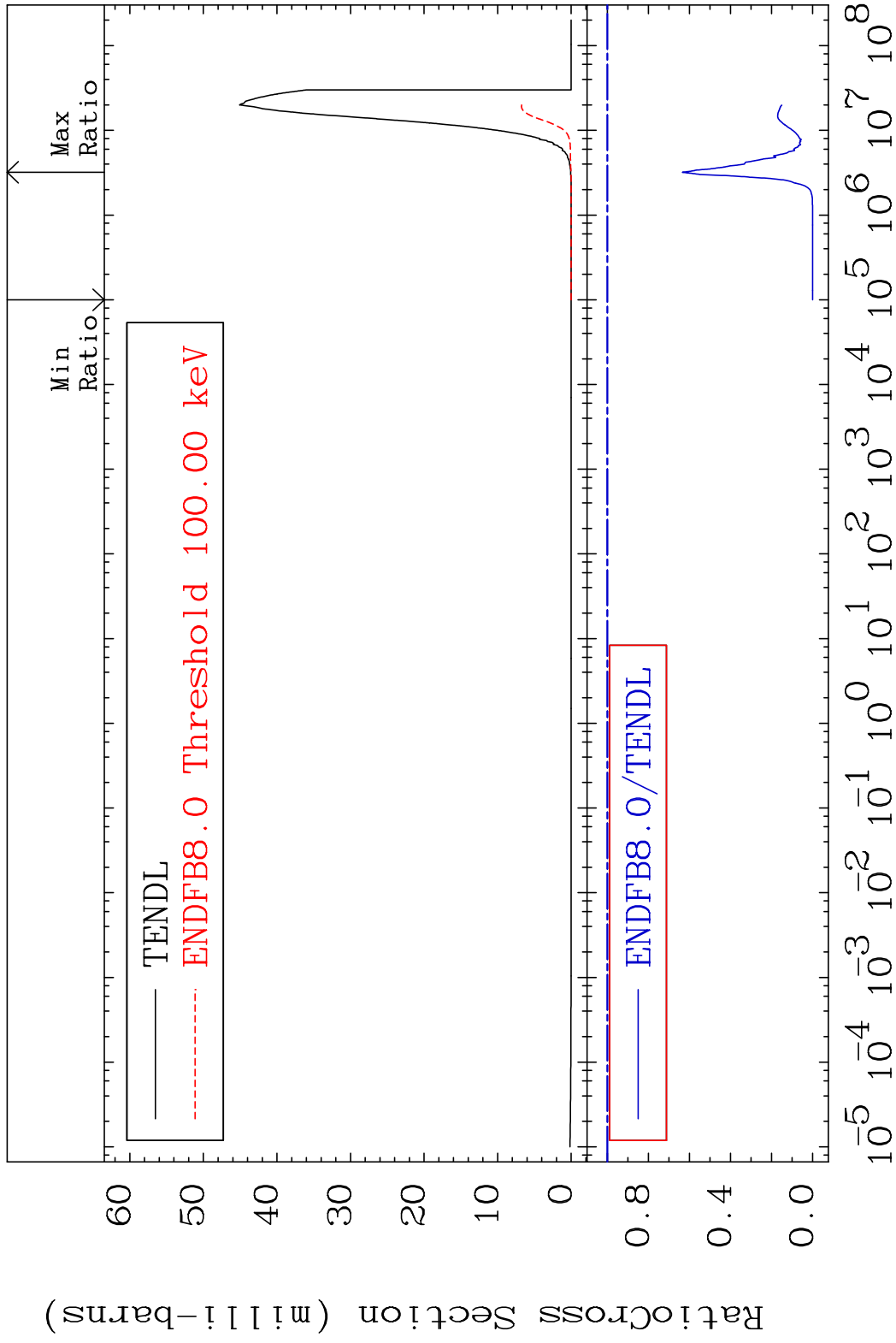


MAT 5725

(n, p)

57-La-138

Cross Section -100.0 To -36.55%



27

Incident Energy (eV)

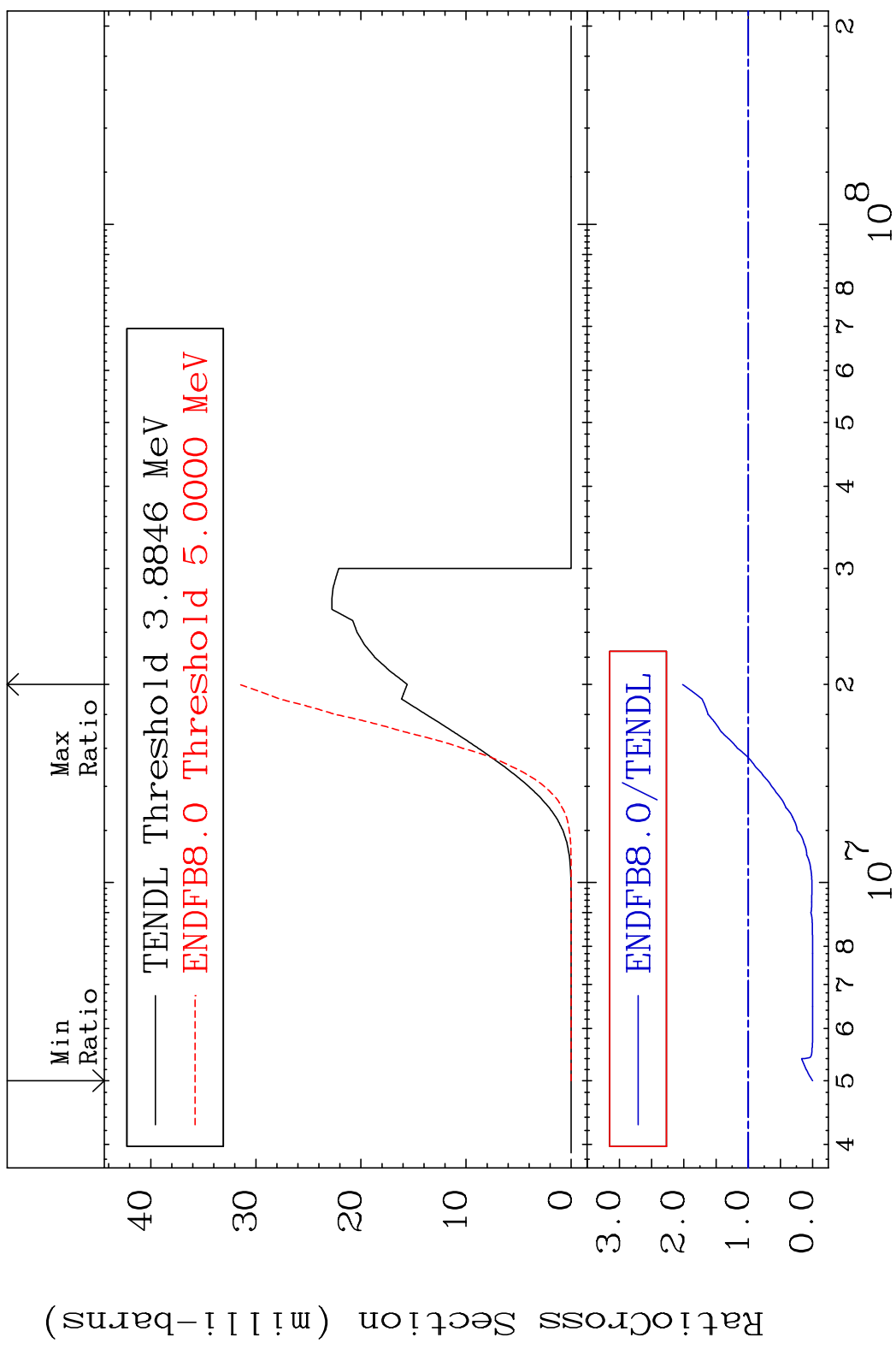
57-La-138

MAT 5725

(n, d)

57-La-138

Cross Section -100.0 To 102.4 %

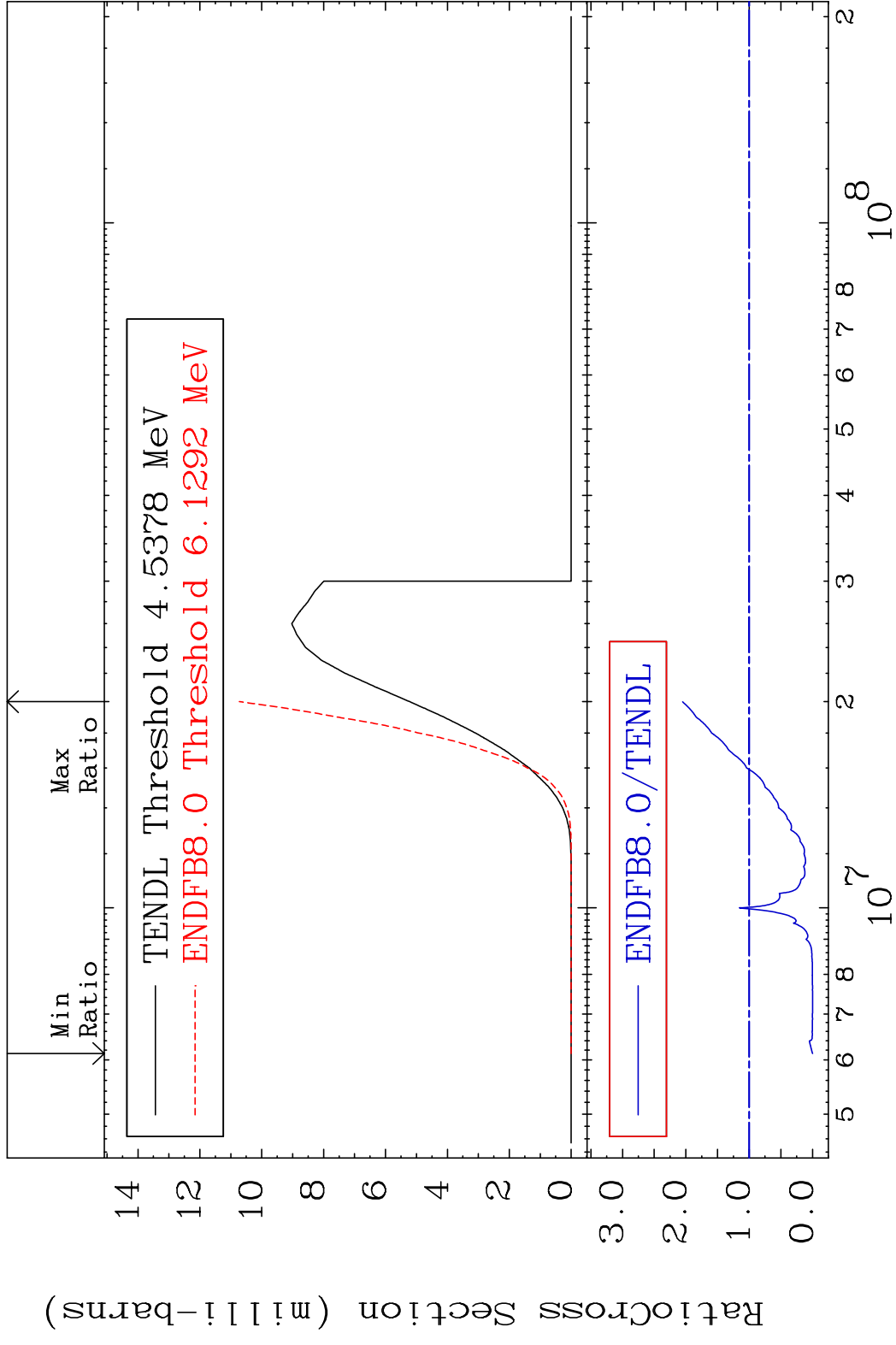


MAT 5725

(n, t)

57-La-138

Cross Section -100.0 To 105.6 %

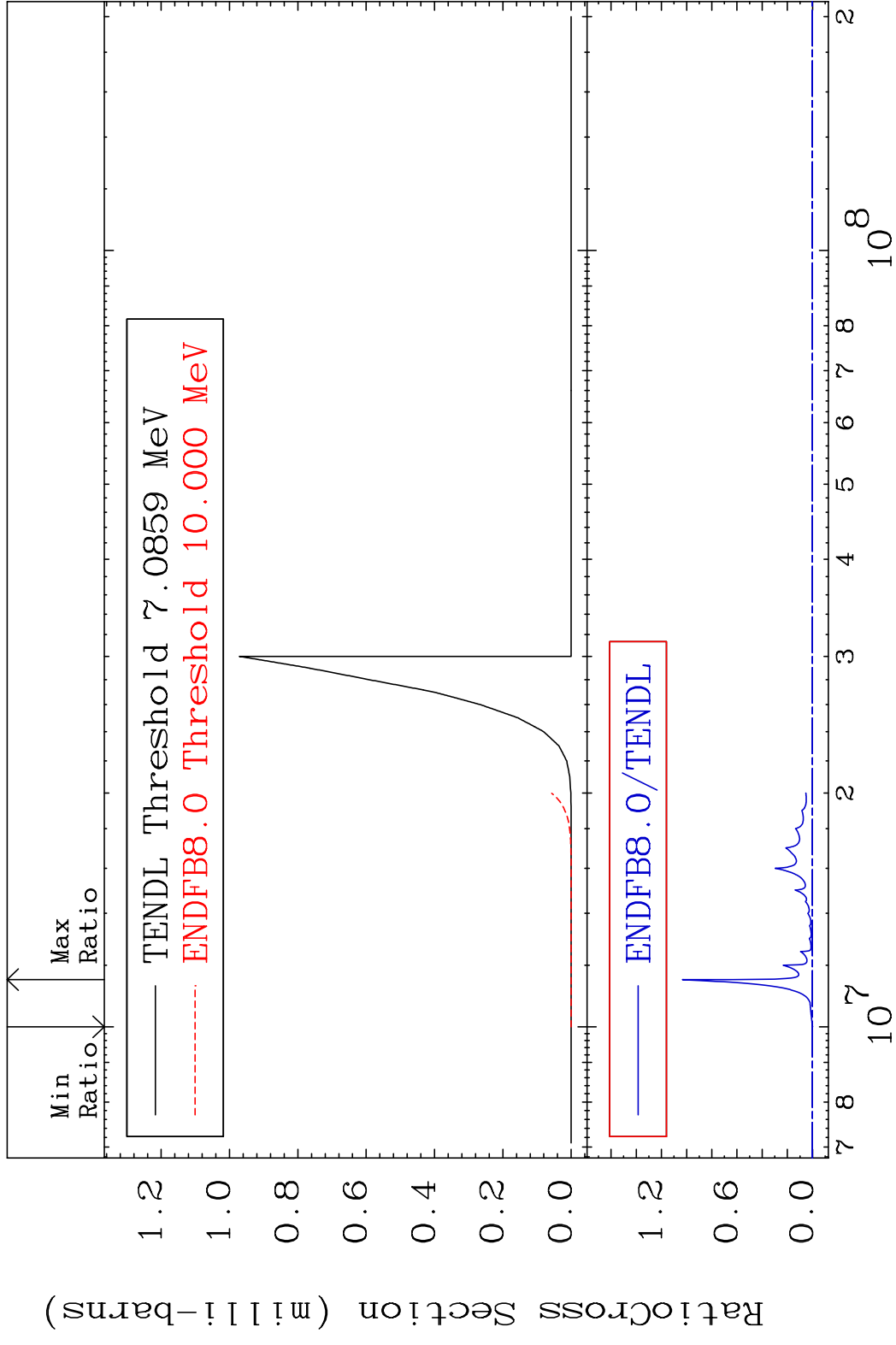


MAT 5725

(n, He-3)

57-La-138

Cross Section -100.0 To 9999. %

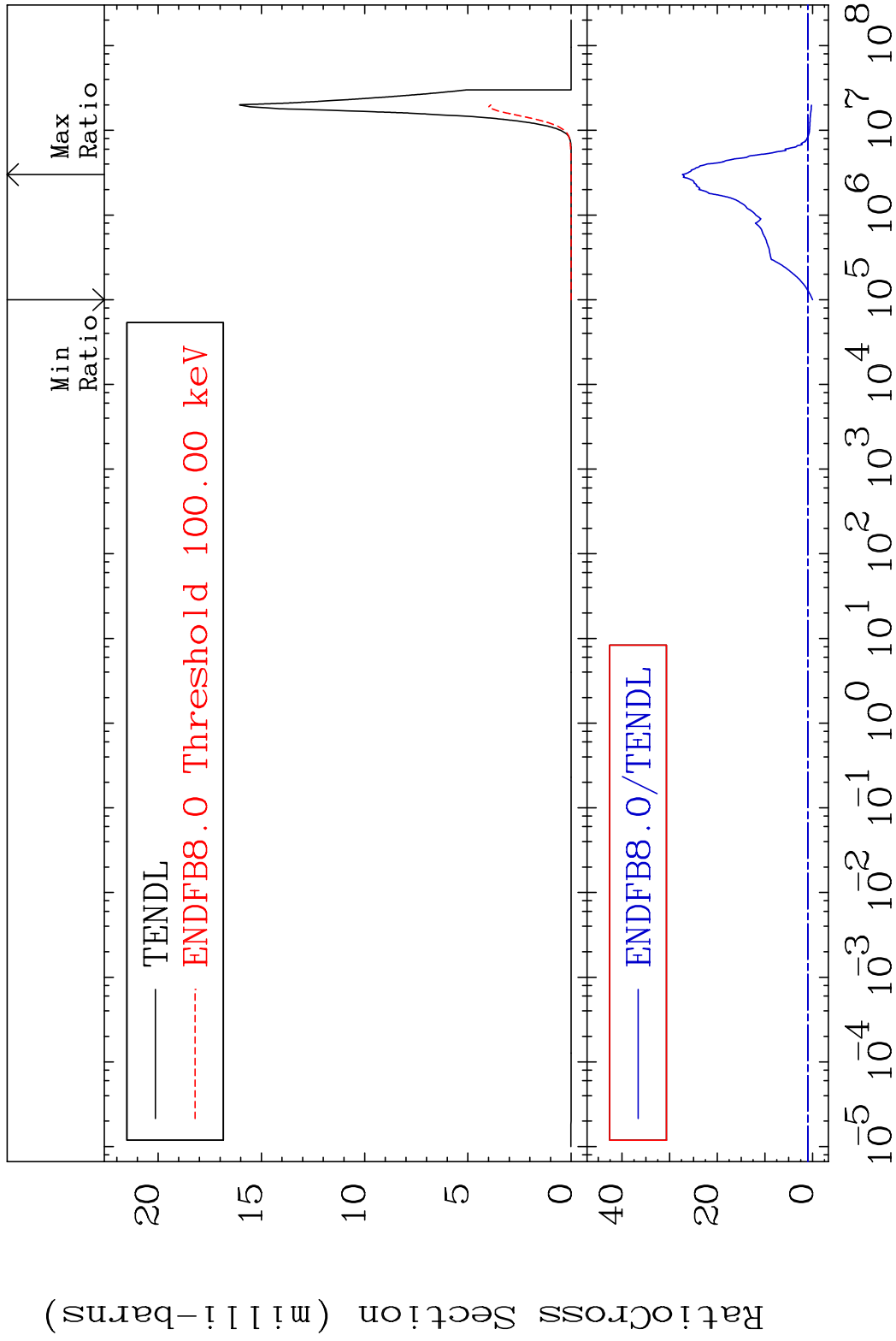


MAT 5725

(n, α)

57-La-138

Cross Section -100.0 To 2634. %



31

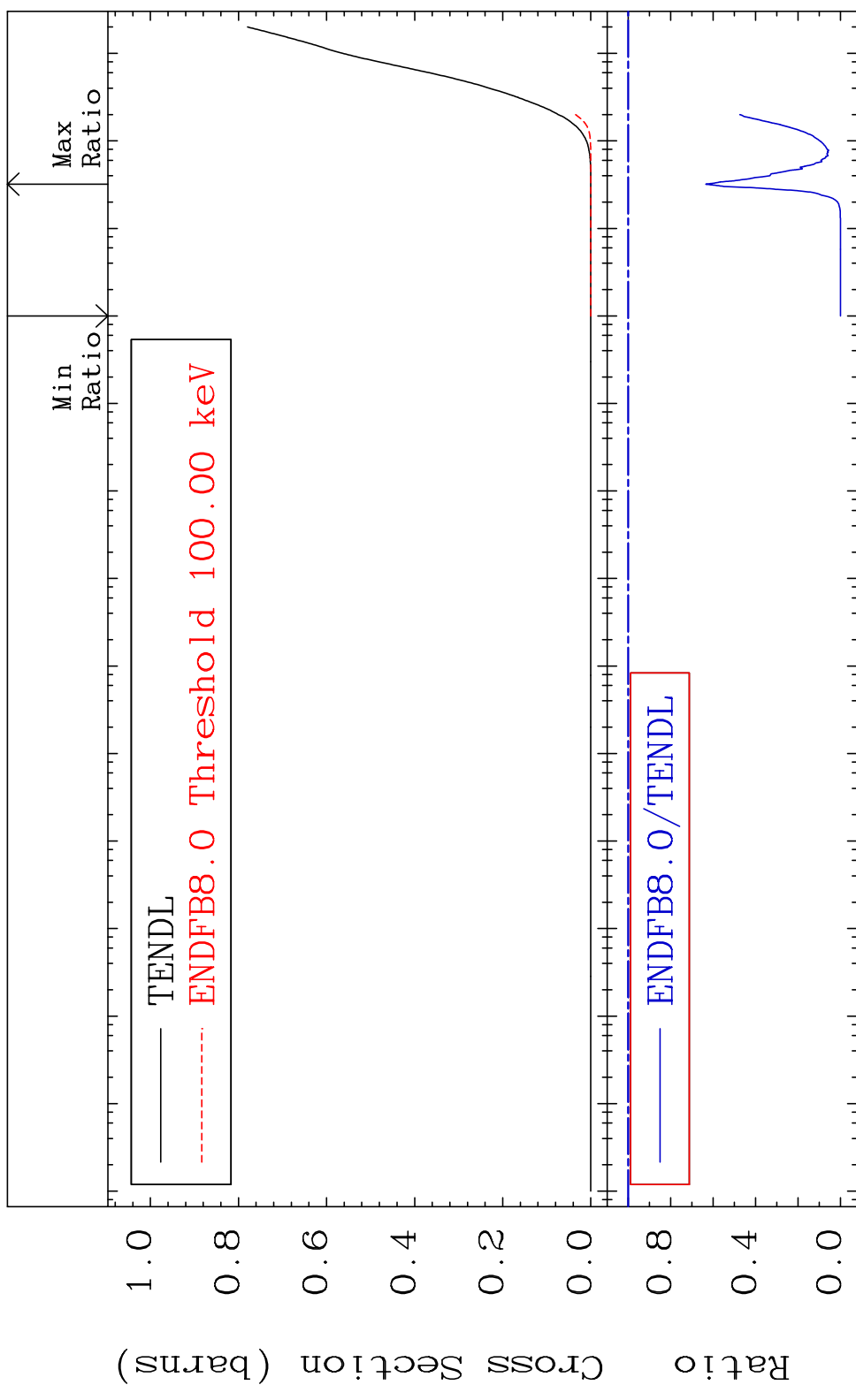
Incident Energy (eV)

57-La-138

MAT 5725

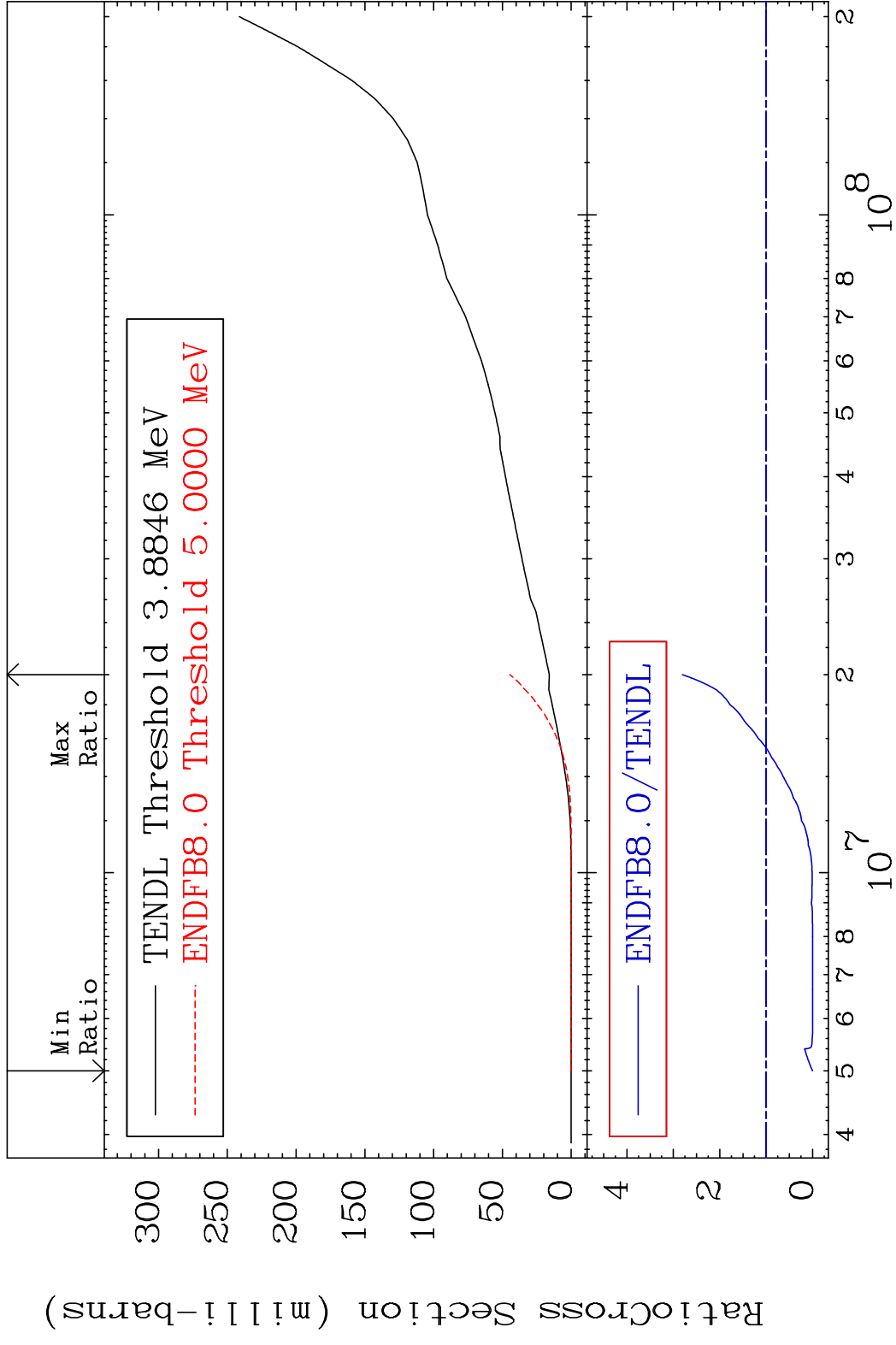
Hydrogen Production
Cross Section -100.0 To -36.55%

57-La-138



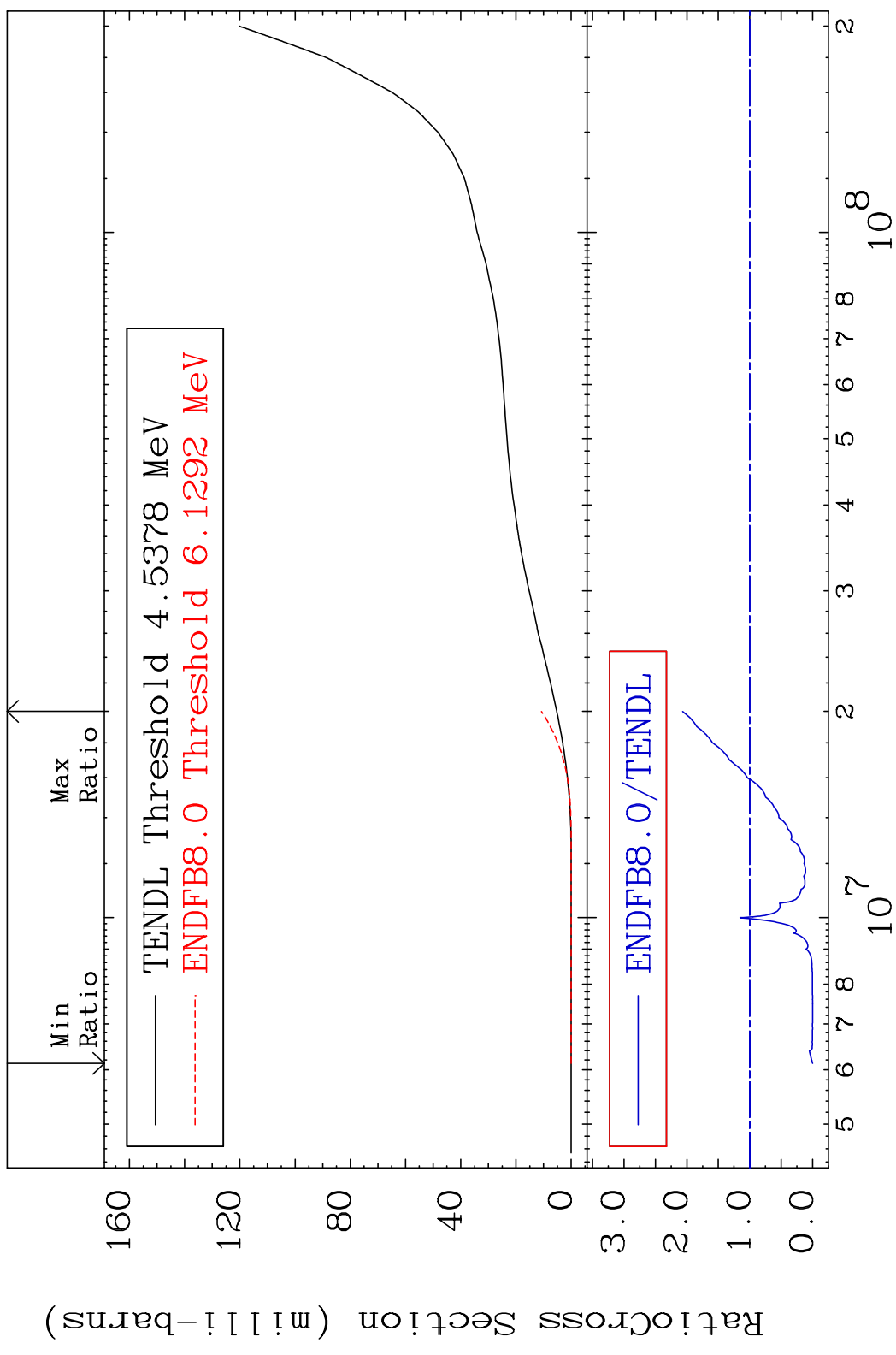
MAT 5725

Deuterium Production 57-La-138
Cross Section -100.0 To 180.6 %



MAT 5725

Tritium Production 57-La-138
Cross Section -100.0 To 107.2 %

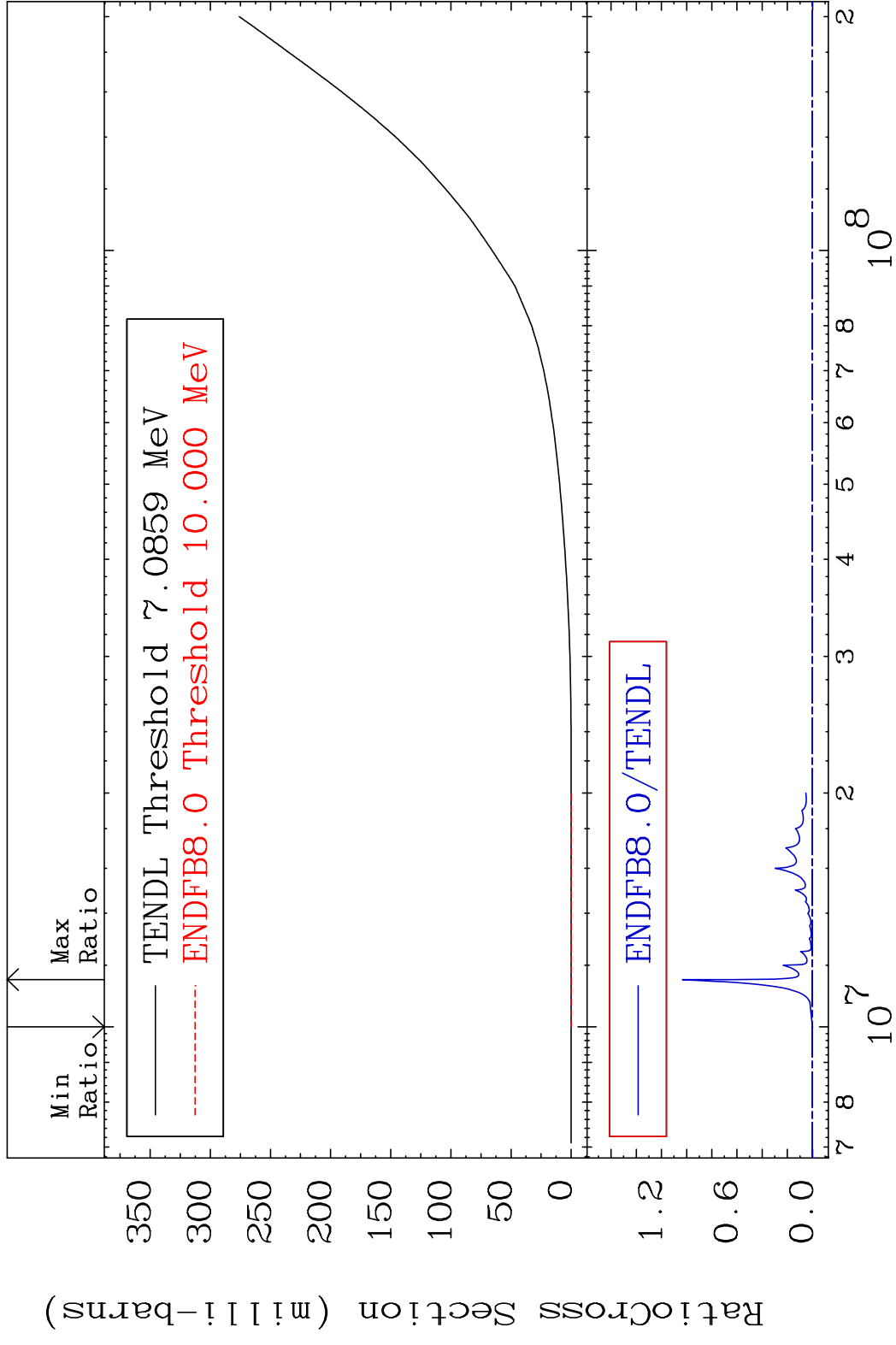


MAT 5725

He-3 Production

57-La-138

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

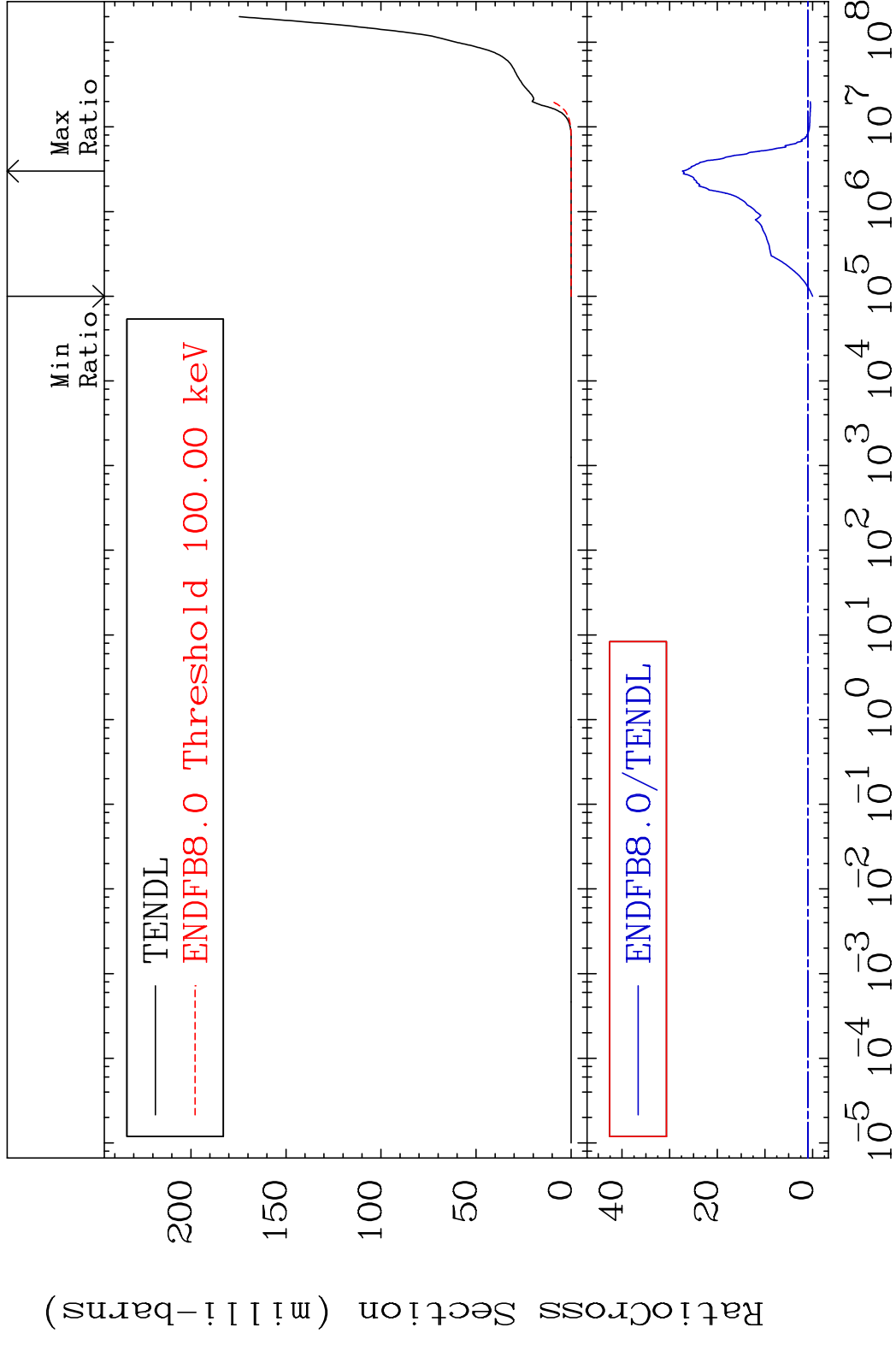
57-La-138

MAT 5725

He-4 Production

57-La-138

Cross Section -100.0 To 2634. %

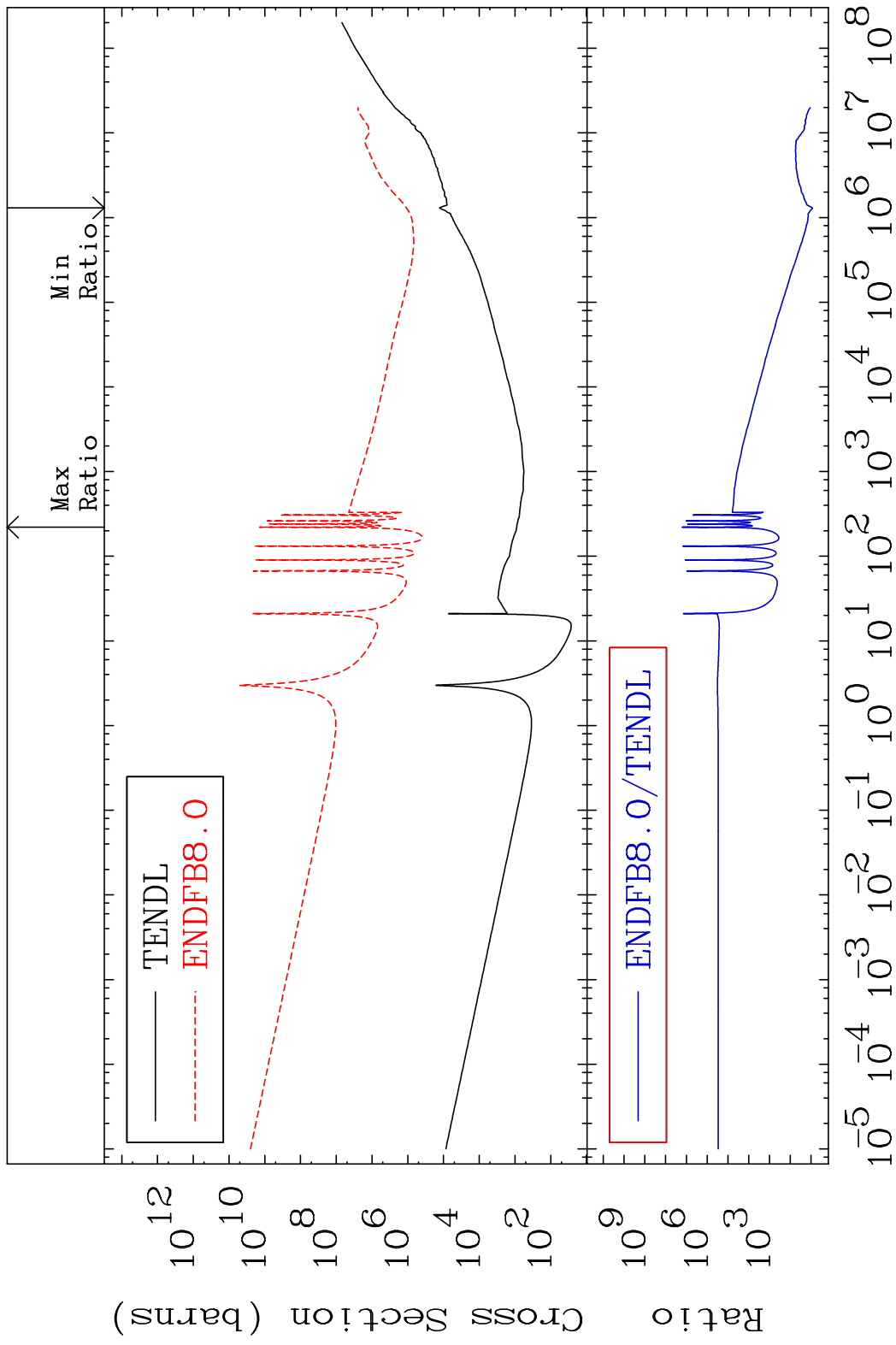


36

Incident Energy (eV)

57-La-138

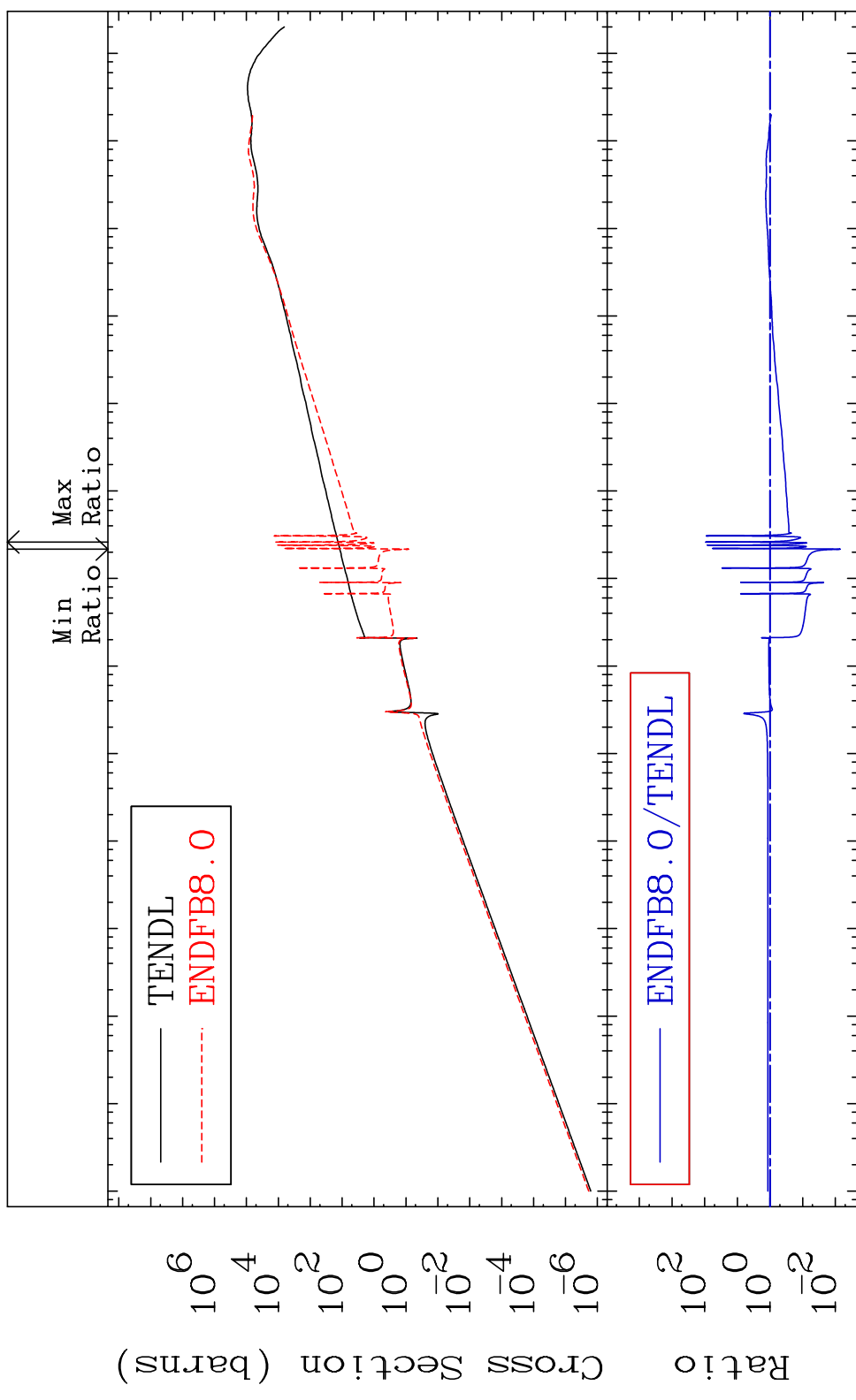
MAT 5725 Kerma total (eV-barns) 57-La-138
 Cross Section 736.2 To 9999. %



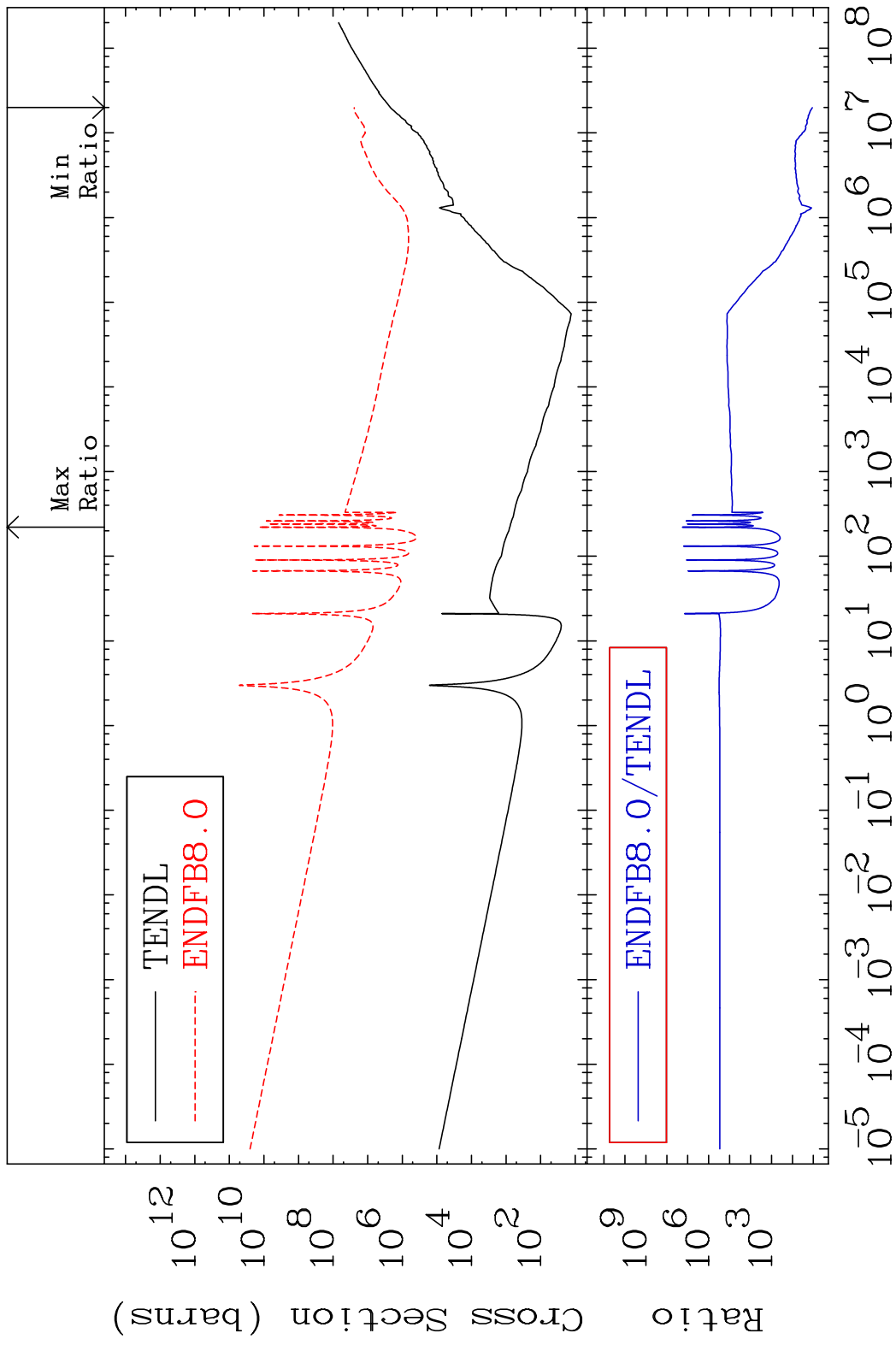
MAT 5725

Kerma elastic
Cross Section -99.30 To 9151. %

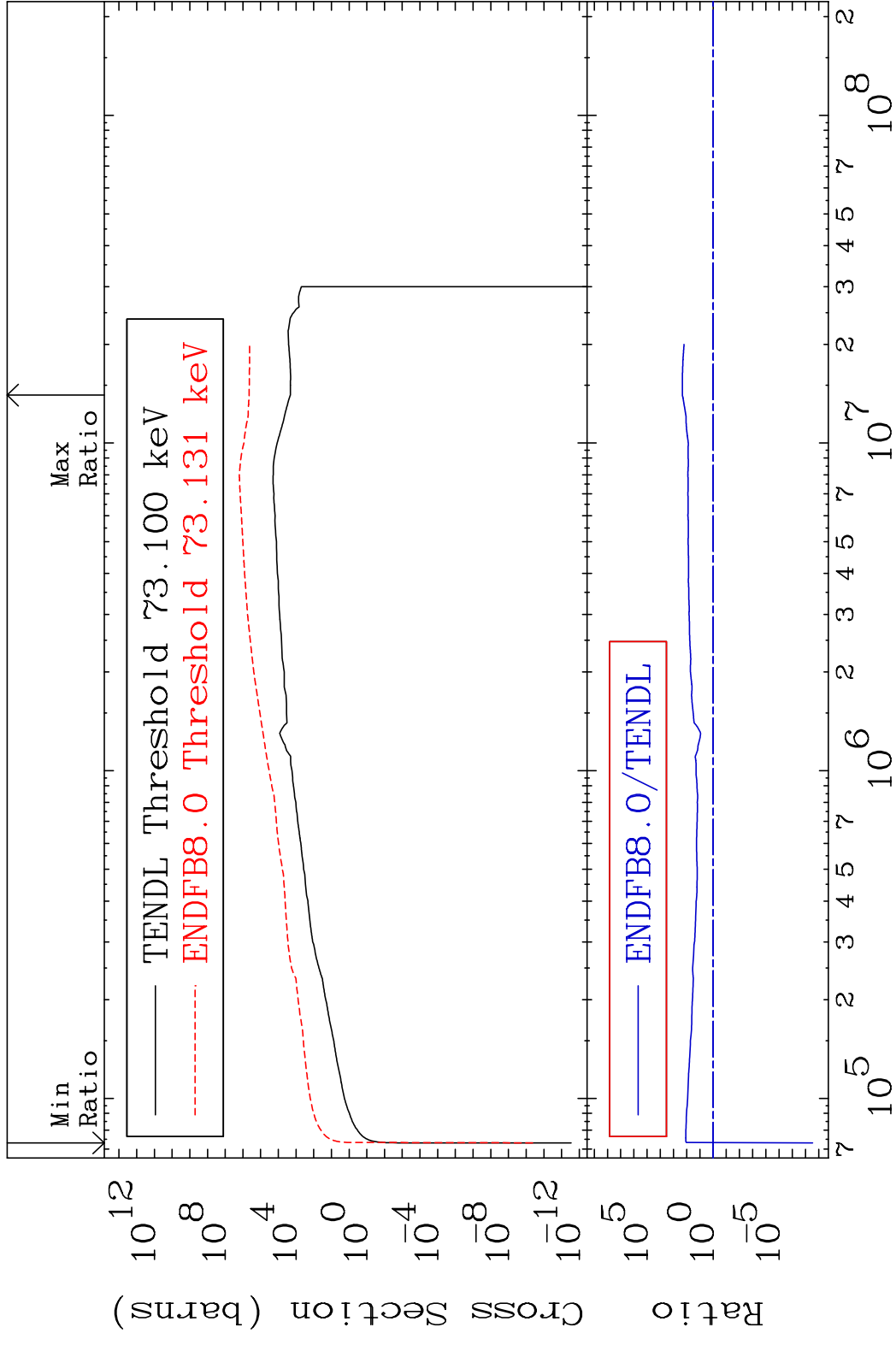
57-La-138



MAT 5725 Kerma non-elastic (all but mt2) 57-La-138
 Cross Section 994.4 To 9999. %

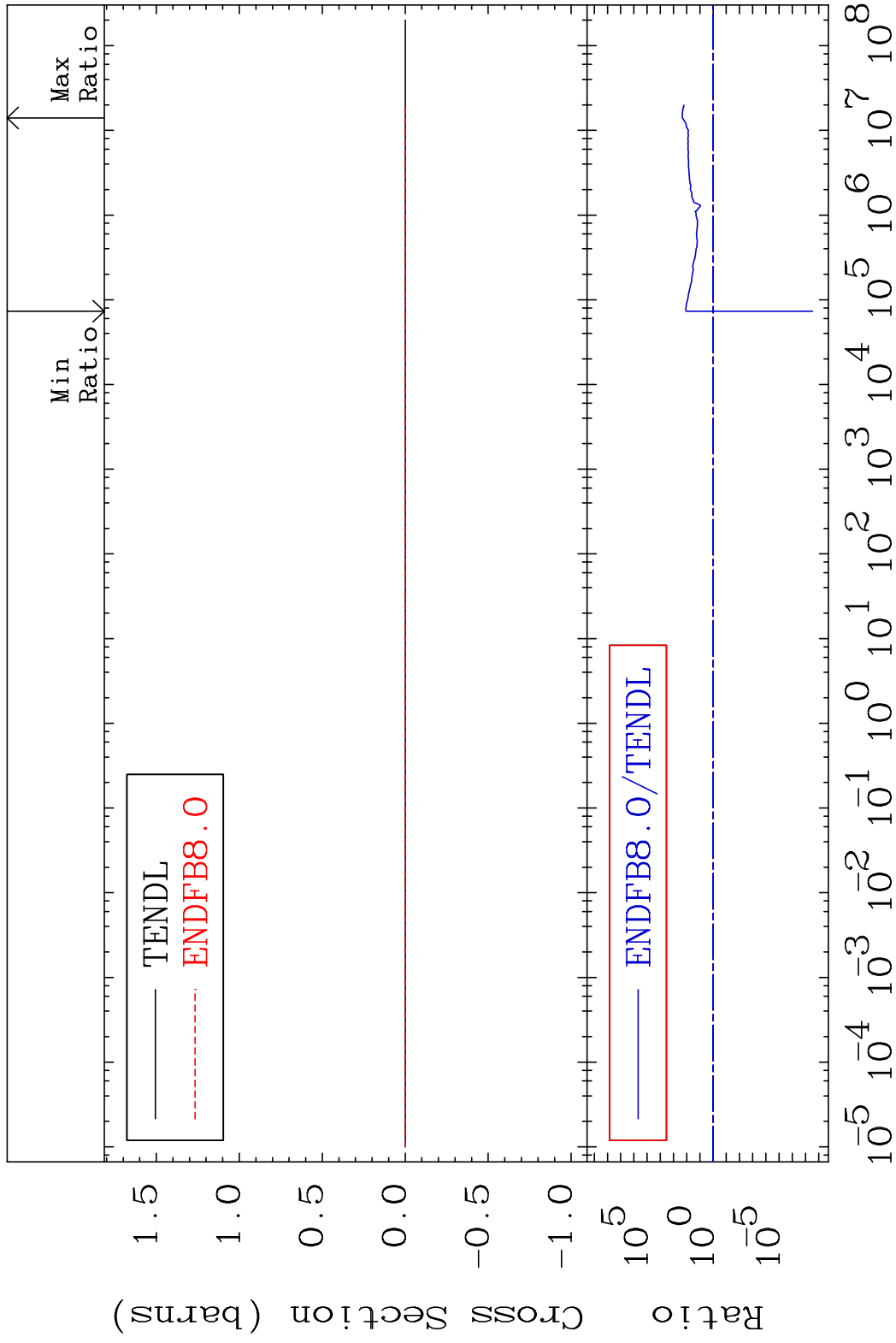


MAT 5725 Kerma inelastic (mt51-91) 57-La-138
 Cross Section -100.0 To 9999. %



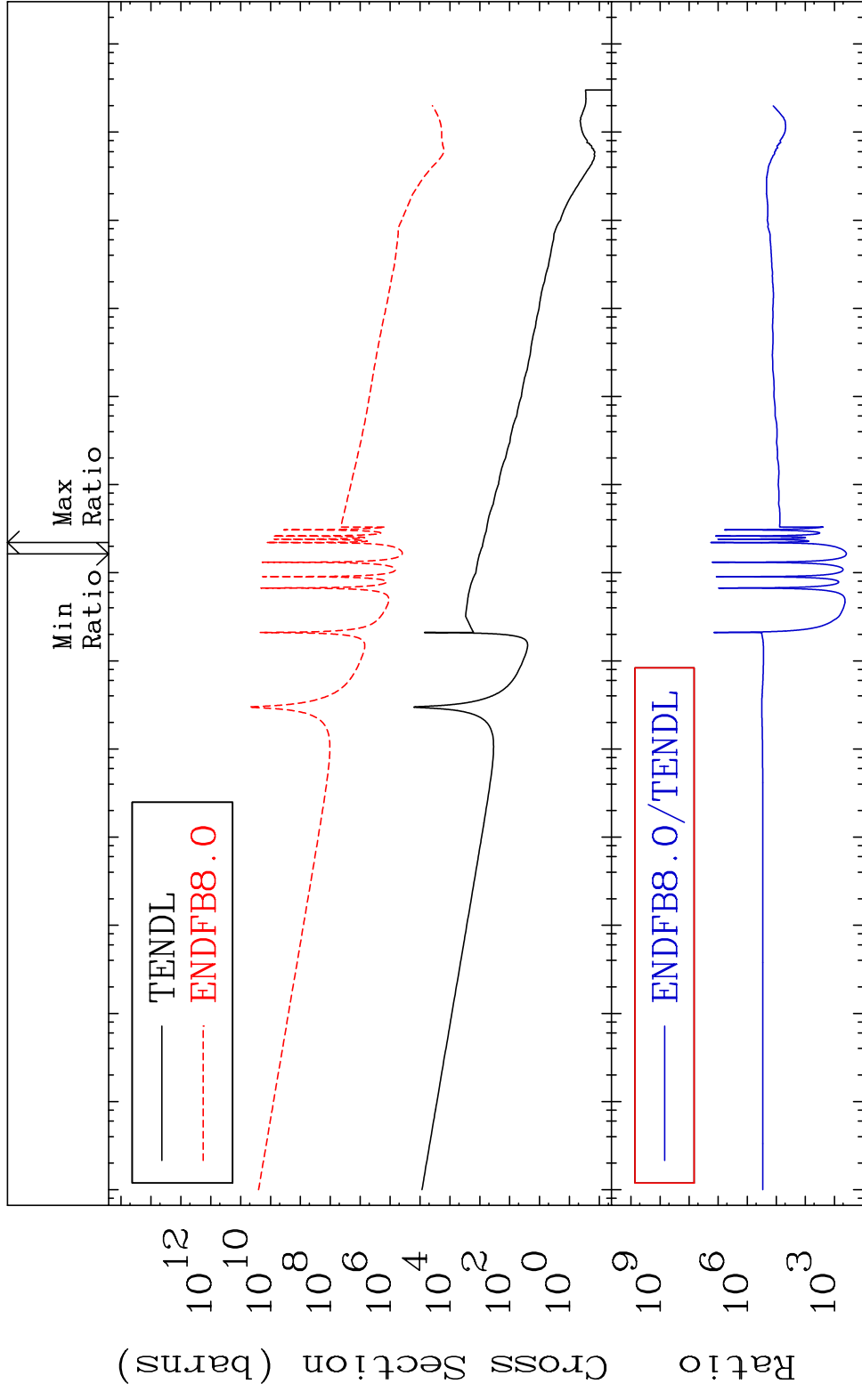
40 Incident Energy (eV) 57-La-138

MAT 5725 Kerma fission (mt18 or mt19-20-21-38) 57-La-138
 Cross Section -100.0 To 9999. %

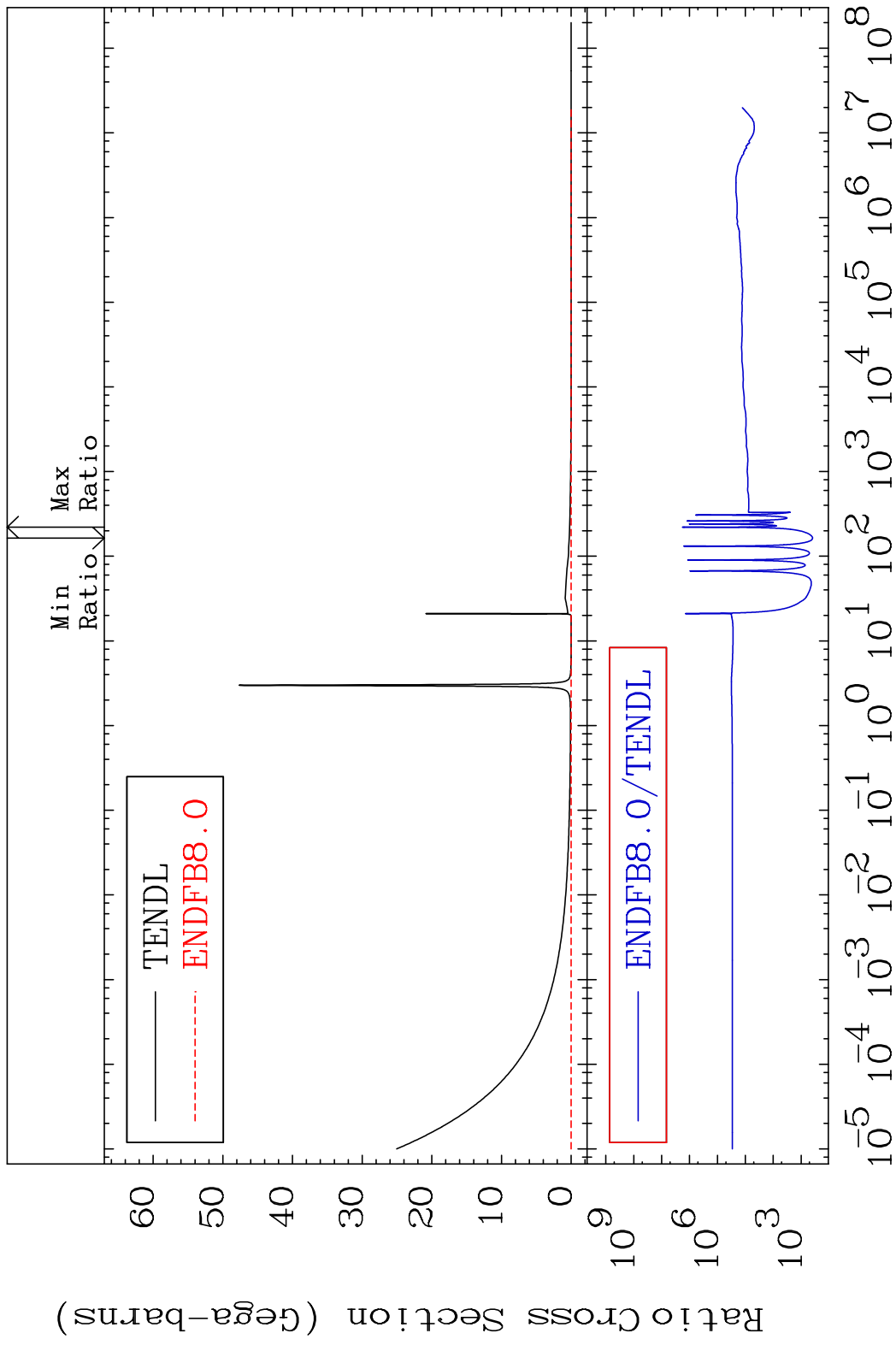


MAT 5725

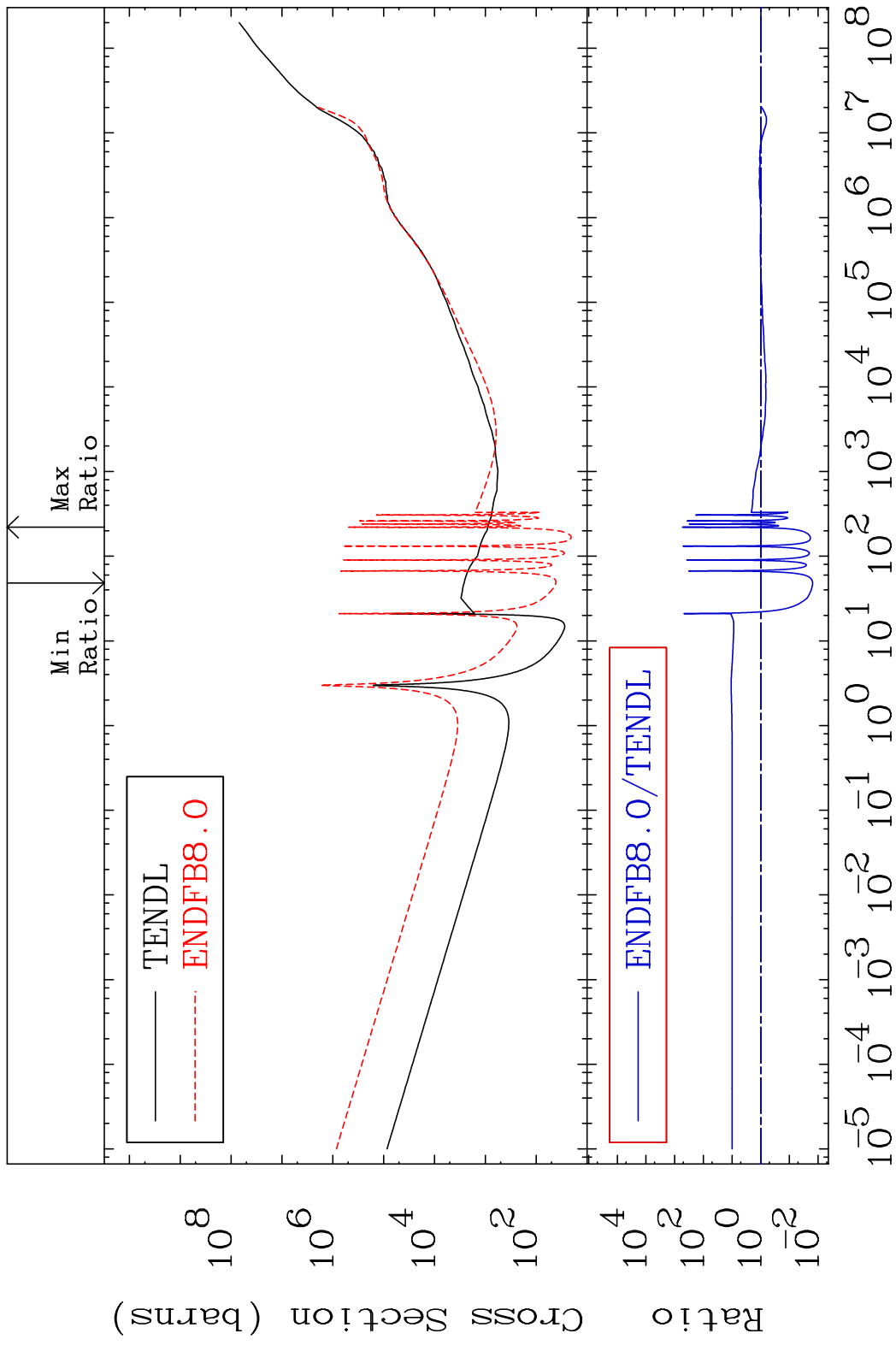
Kerma capture (mt102) 57-La-138
Cross Section 9999. To 9999. %



MAT 5725 Total photon (eV-barns) 57-La-138
 Cross Section 9999. To 9999. %



MAT 5725 Total kinematic kerma (high limit) 57-La-138
 Cross Section -98.44 To 9999. %

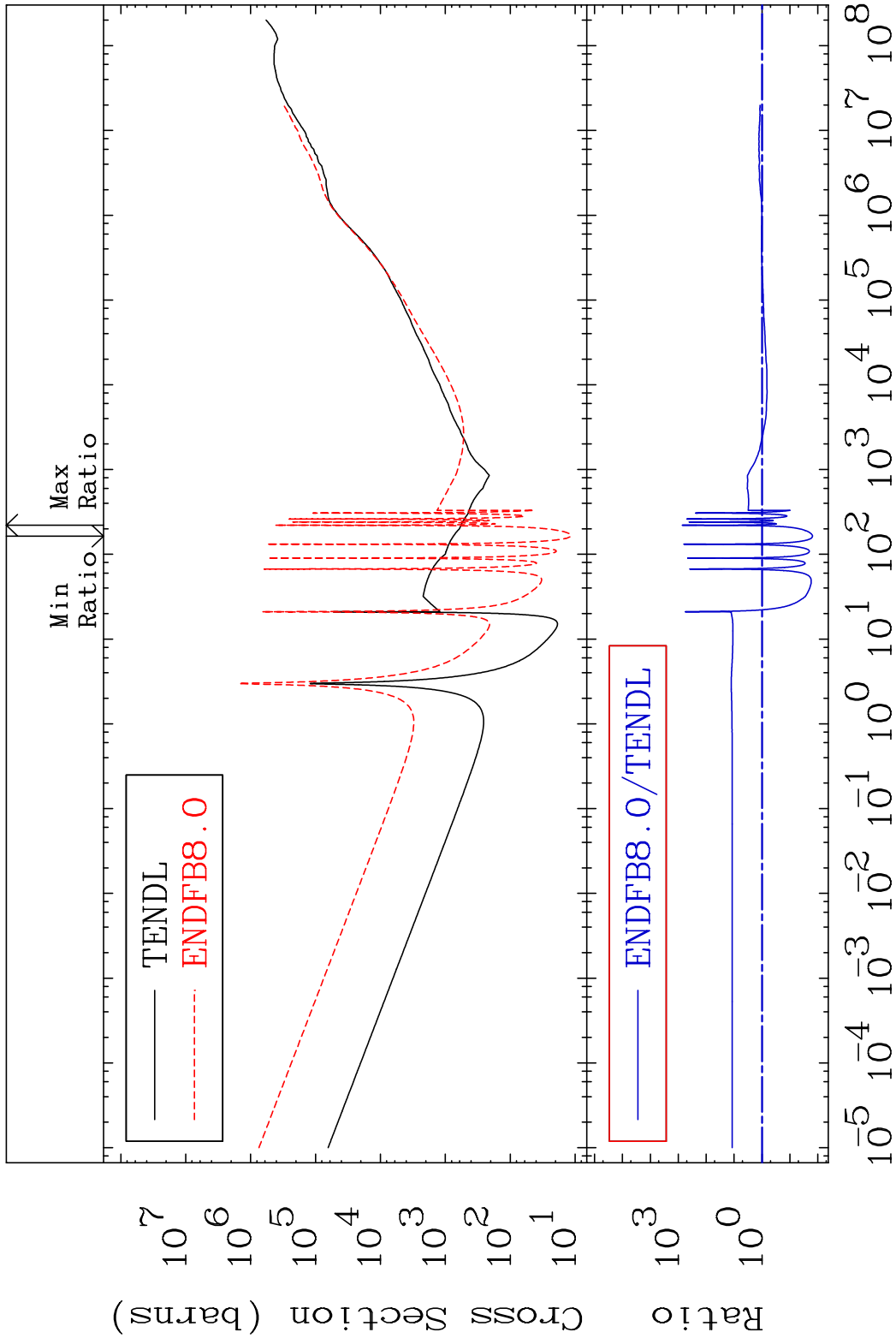


MAT 5725

Dpa total (eV-barns)

57-La-138

Cross Section -98.44 To 9999. %



45

Incident Energy (eV)

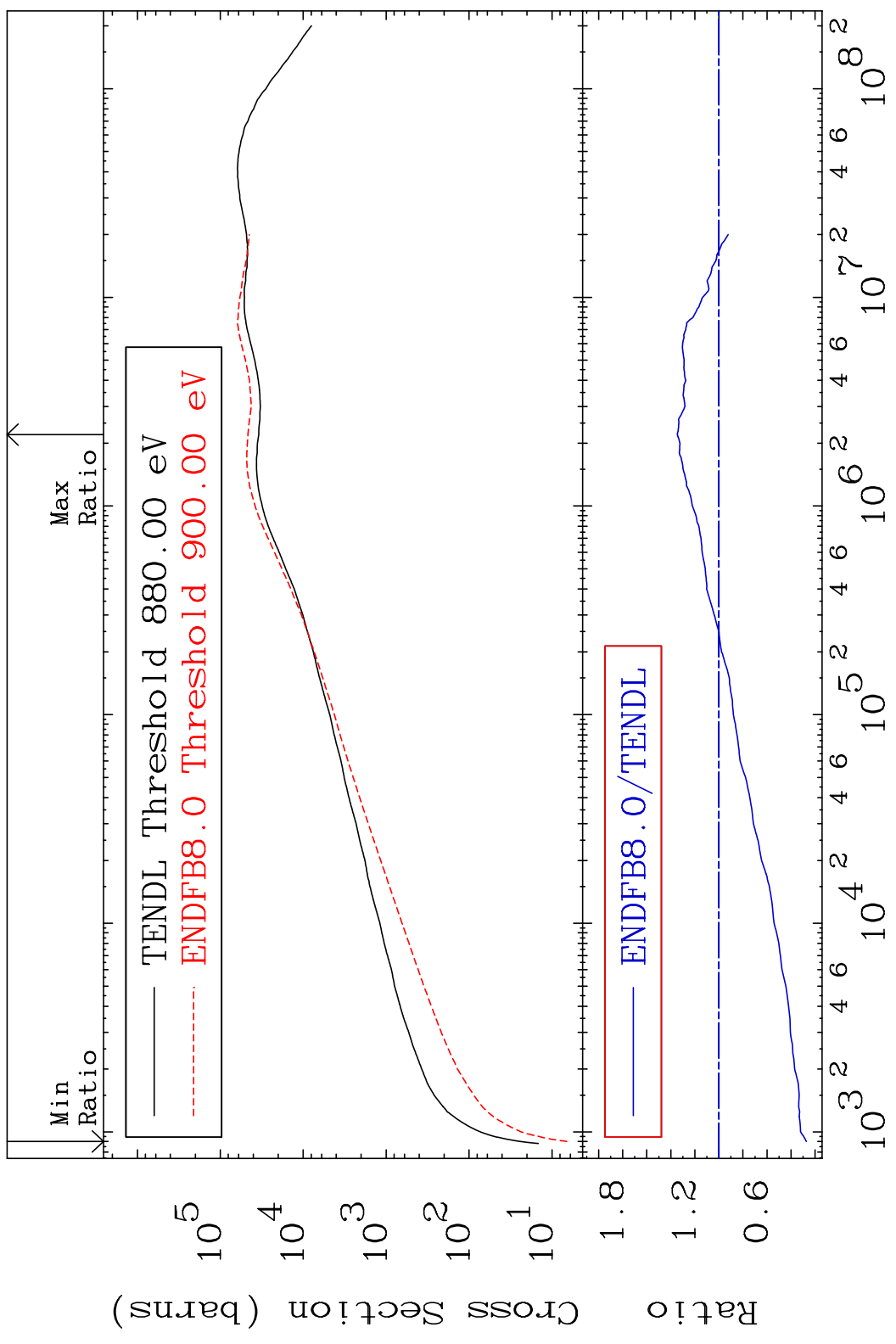
57-La-138

MAT 5725

Dpa elastic (mt2)

57-La-138

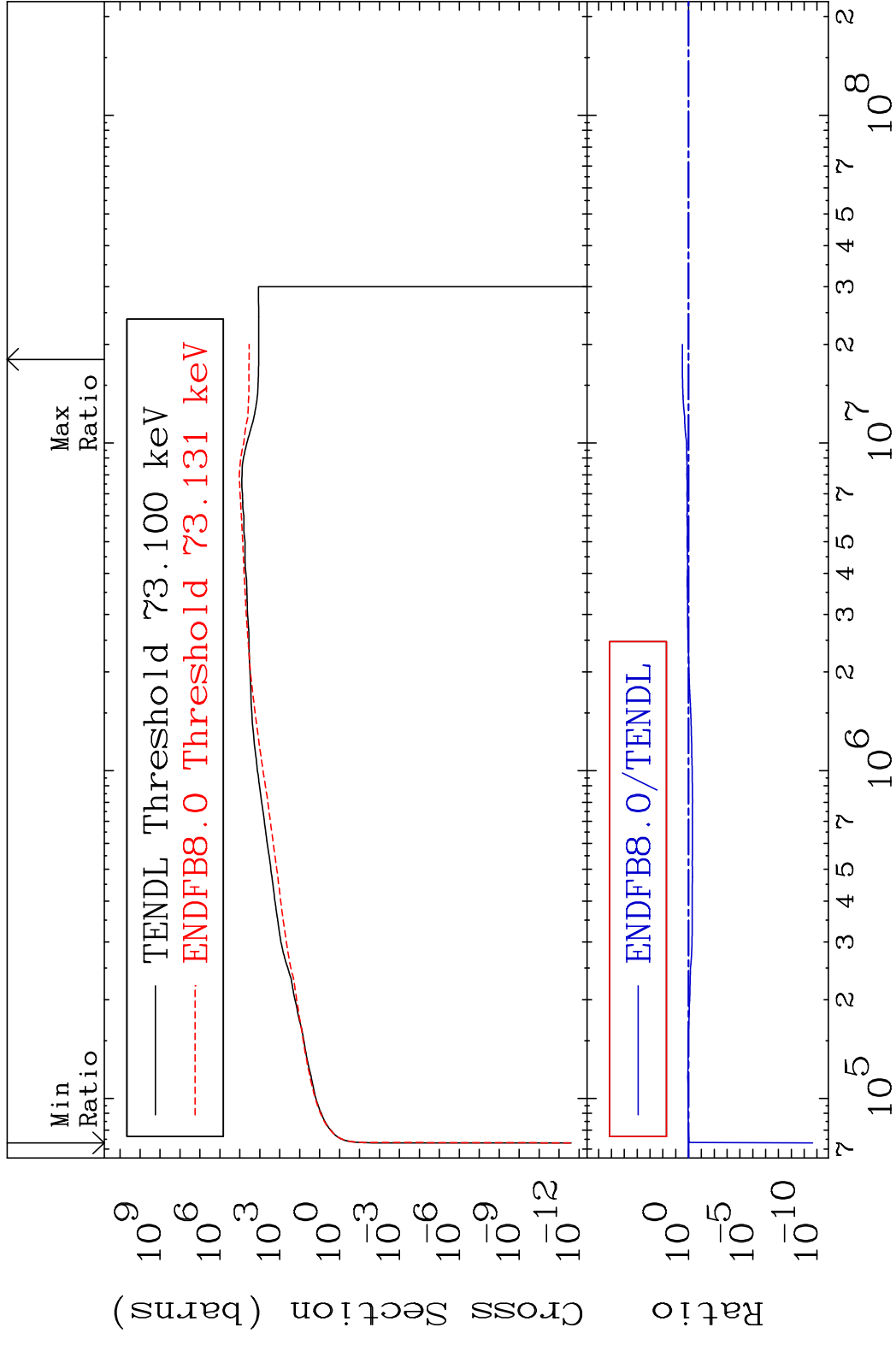
Cross Section -72.75 To 34.69 %



46

Incident Energy (eV)

57-La-138



MAT 5725 Dpa disappearance (mt102 -120) 57-La-138
 Cross Section -98.44 To 9999. %

