

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

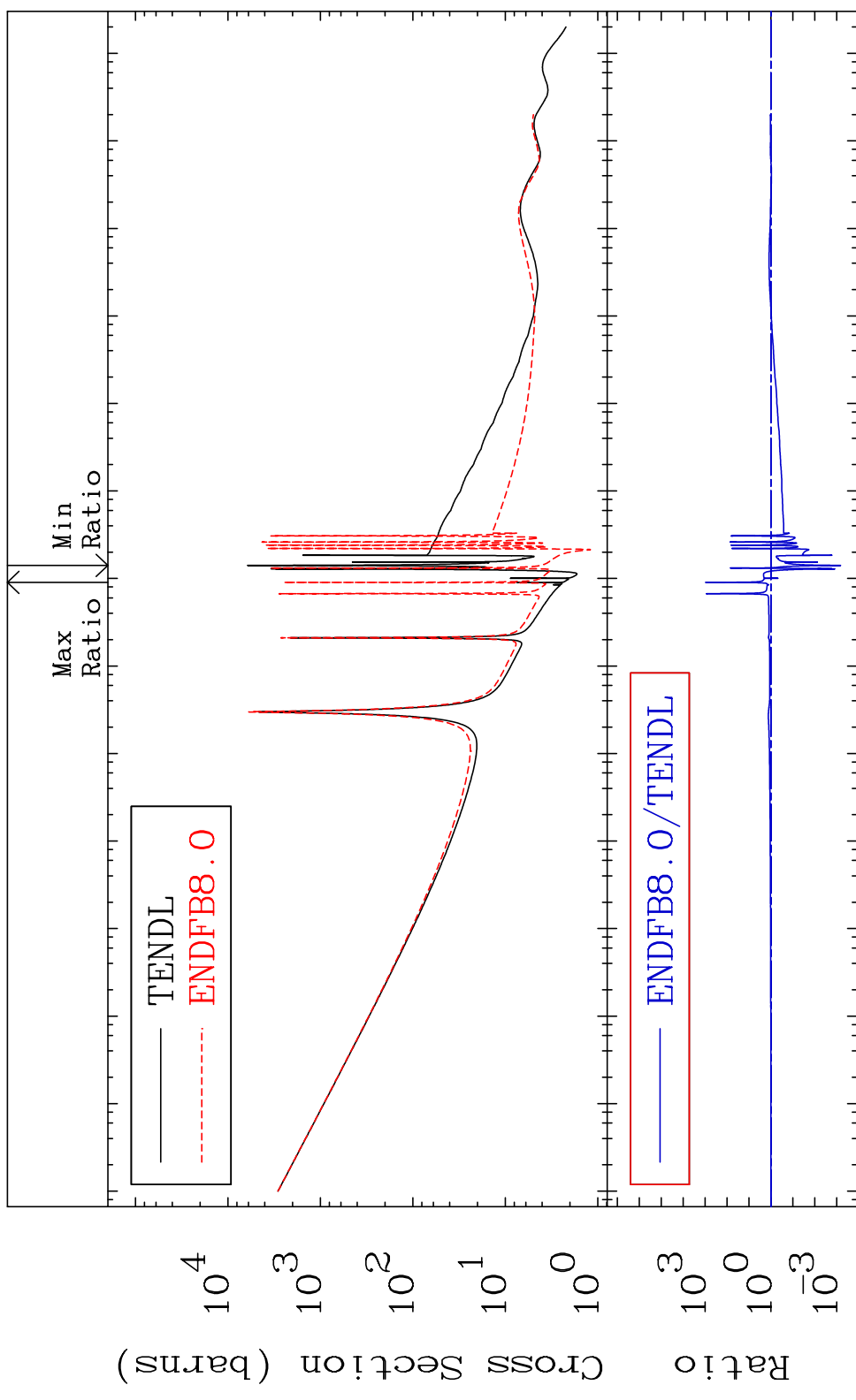
MAT 5725

Total

57-La-138

Cross Section

-99.93 To 9999. %



1

Incident Energy (eV)

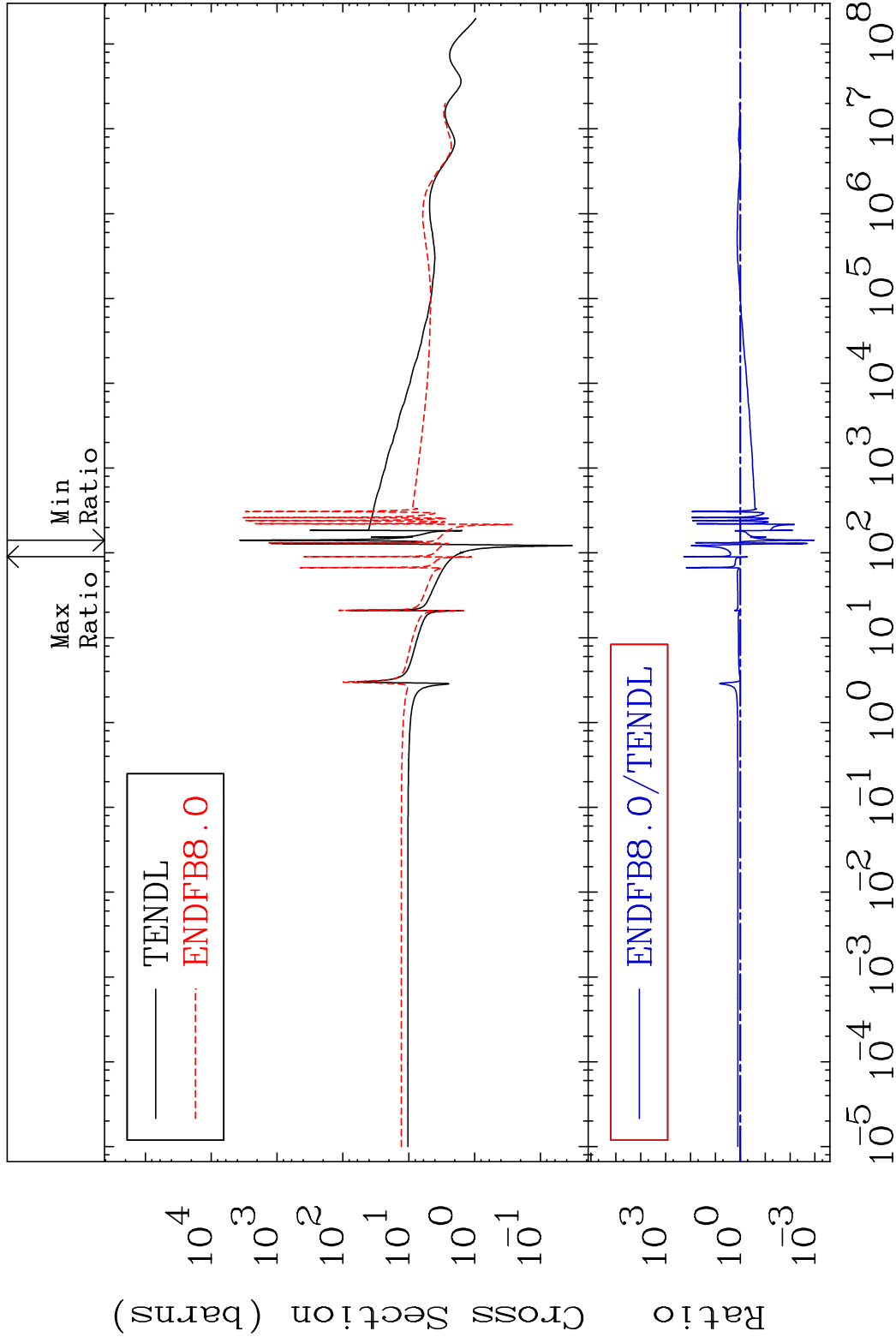
57-La-138

MAT 5725

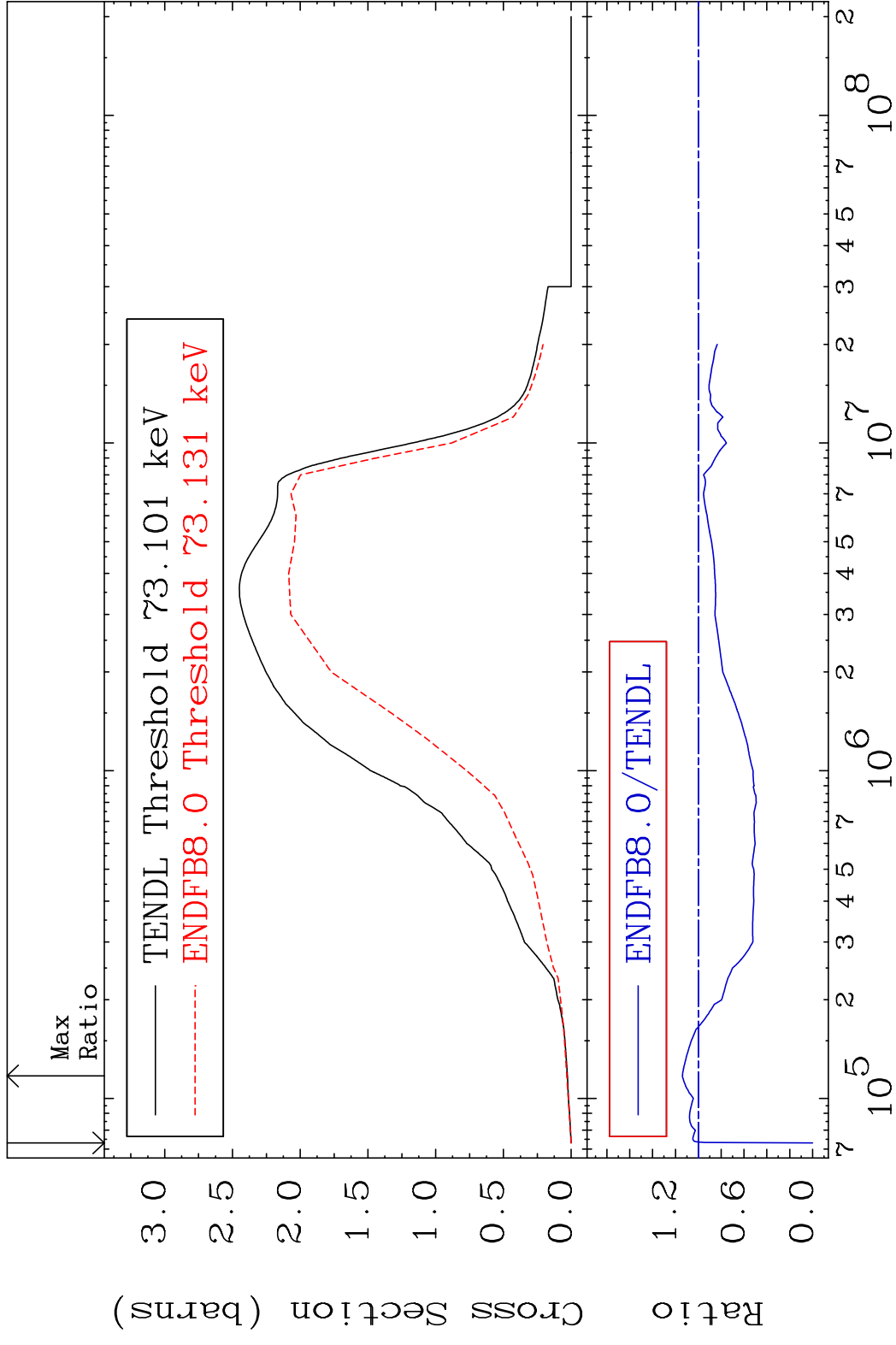
Elastic

57-La-138

Cross Section -99.89 To 9999. %



MAT 5725 Inelastic 57-La-138
 Cross Section -100.0 To 13.94 %

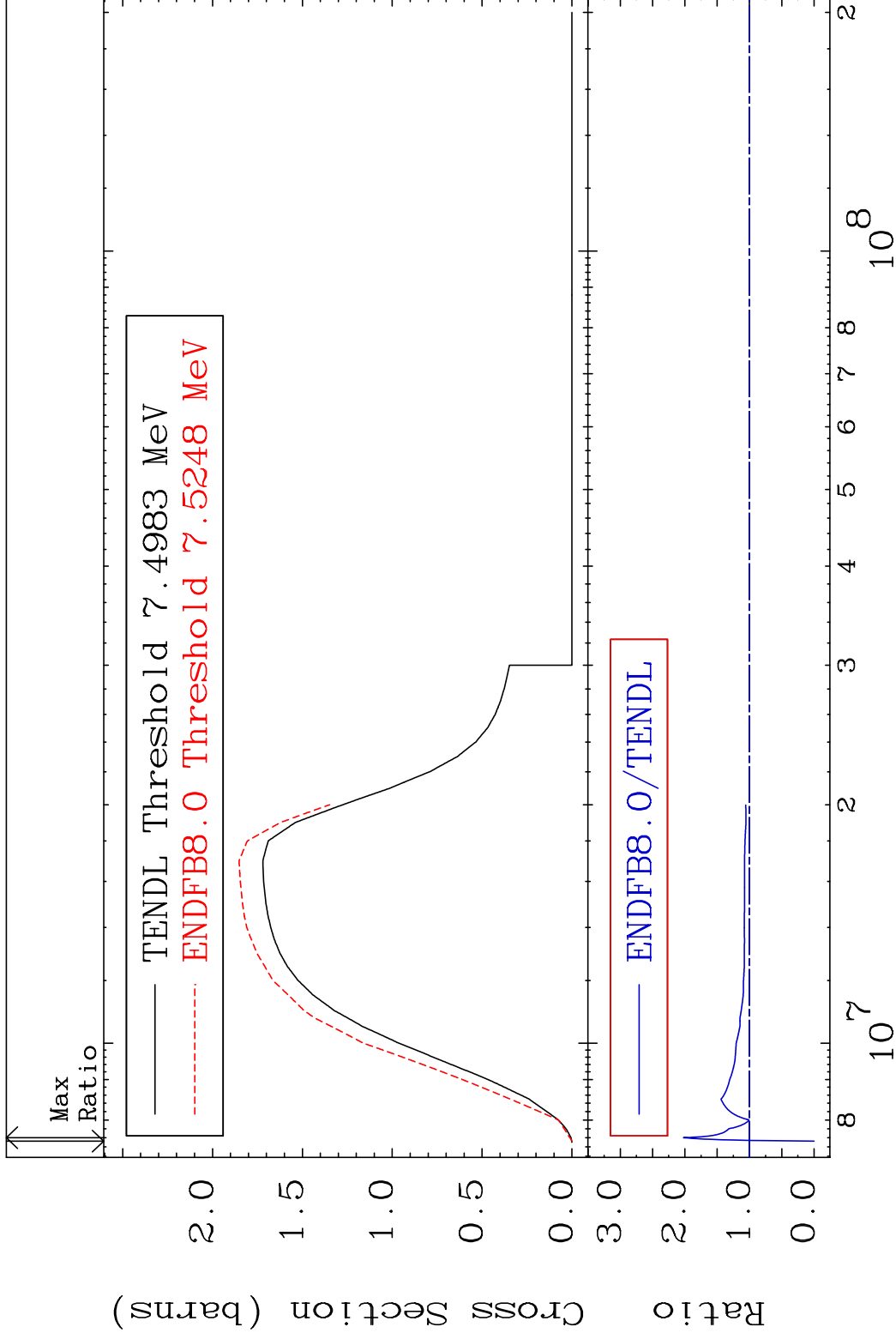


MAT 5725

(n,2n)

57-La-138

Cross Section -100.0 To 102.2 %



4

Incident Energy (eV)

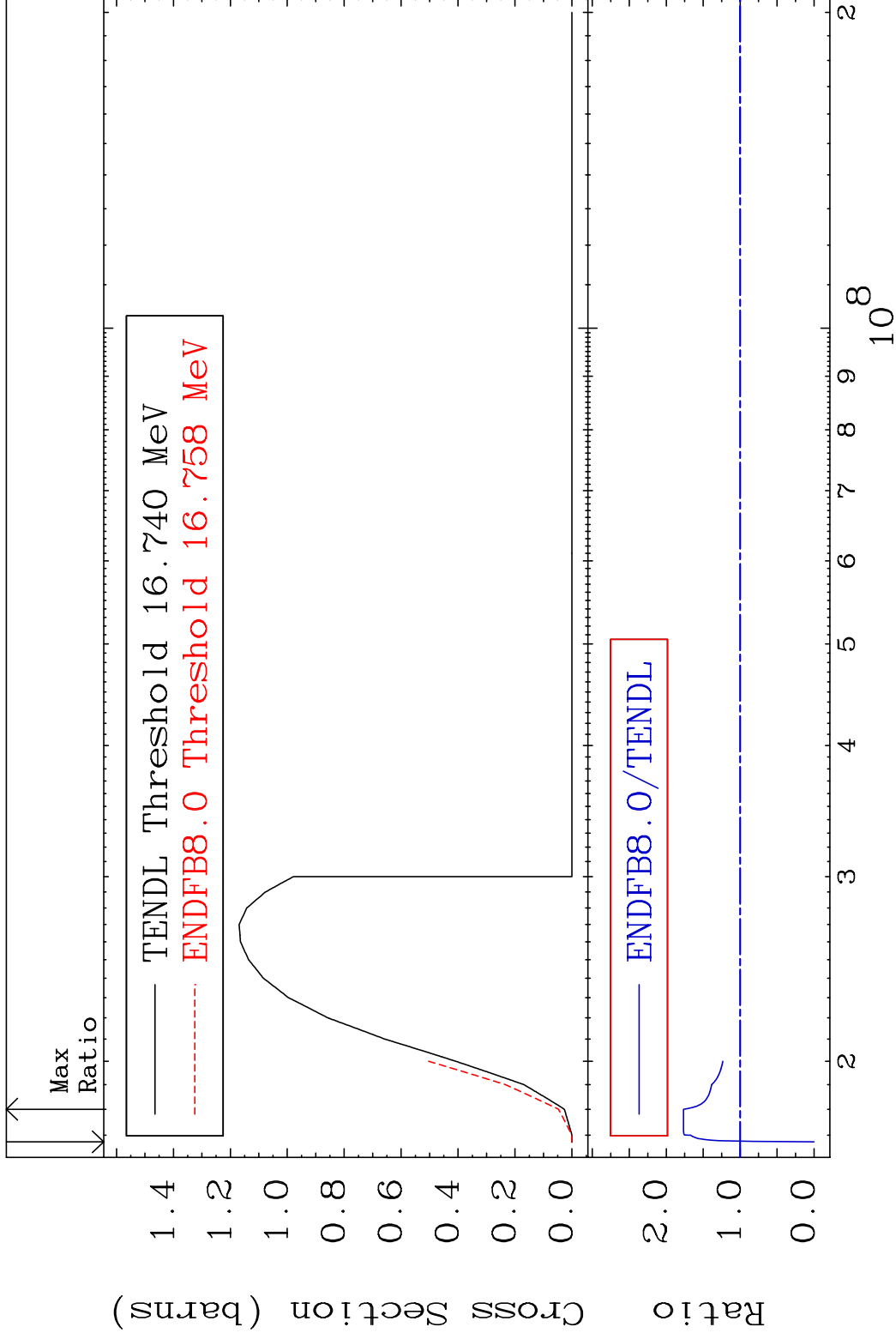
57-La-138

MAT 5725

(n,3n)

57-La-138

Cross Section -100.0 To 76.69 %



5

Incident Energy (eV)

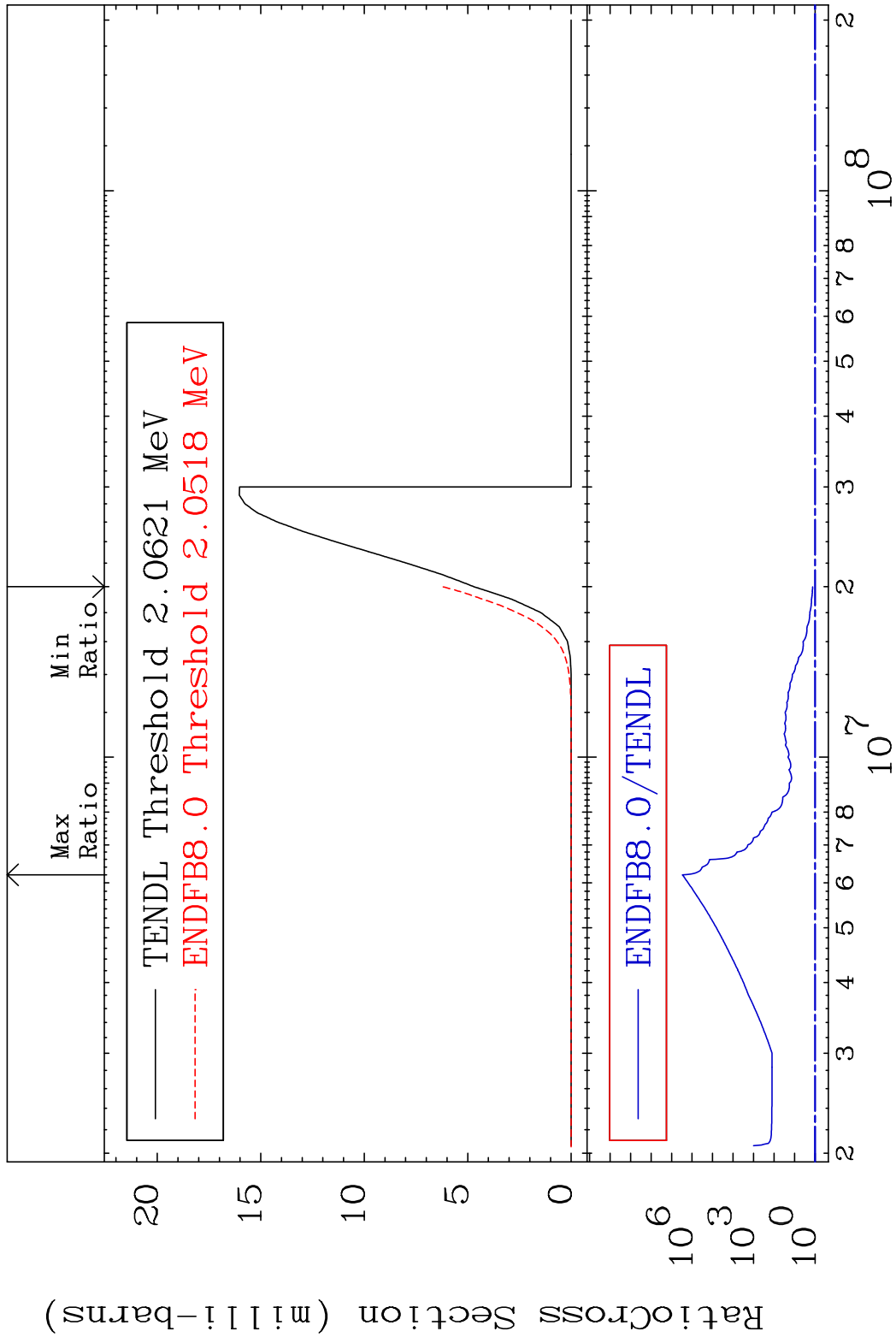
57-La-138

MAT 5725

(n, n') α

57-La-138

Cross Section 32.29 To 9999. %



6

Incident Energy (eV)

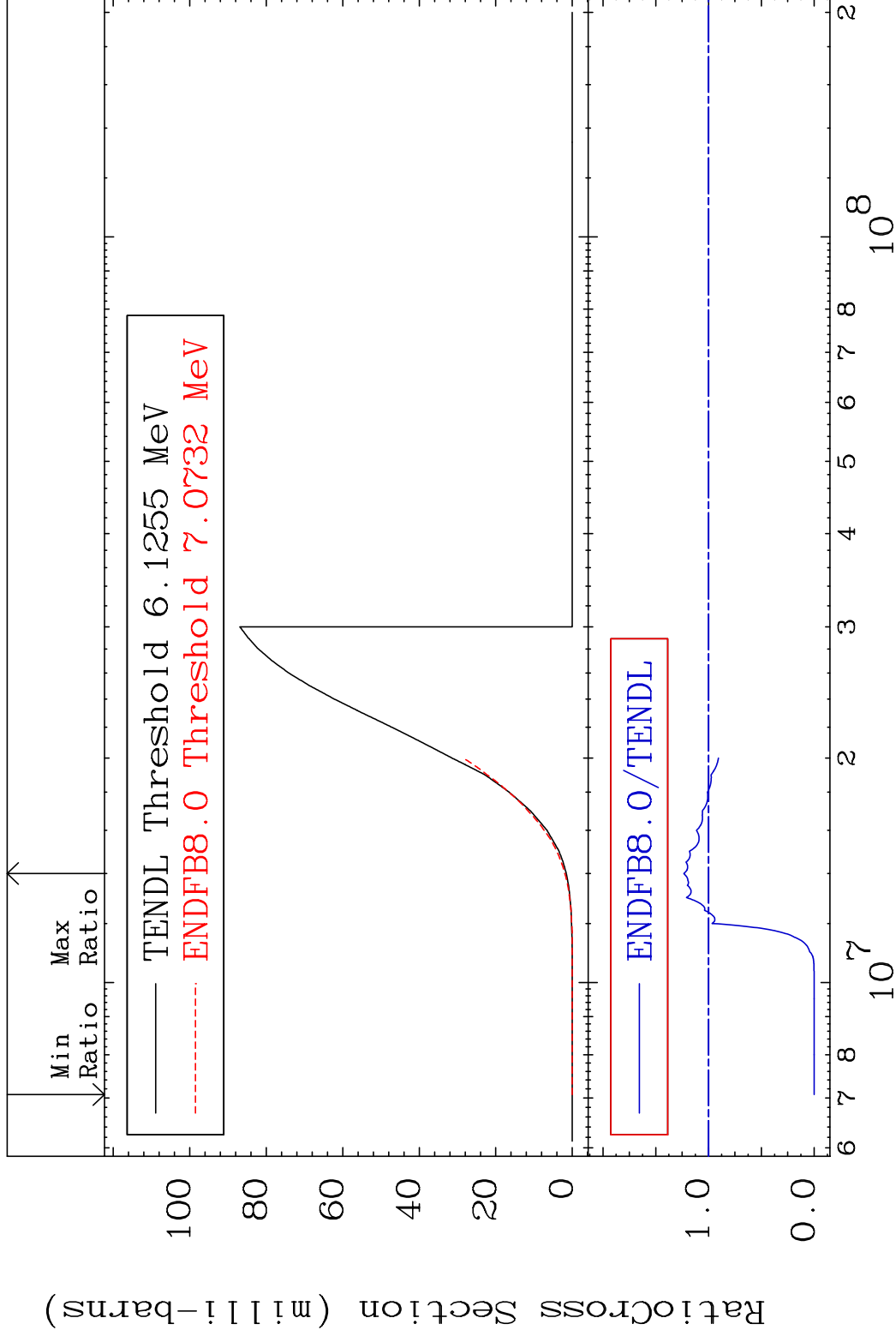
57-La-138

MAT 5725

57-La-138

(n, n') p

Cross Section -100.0 To 23.57 %



7

Incident Energy (eV)

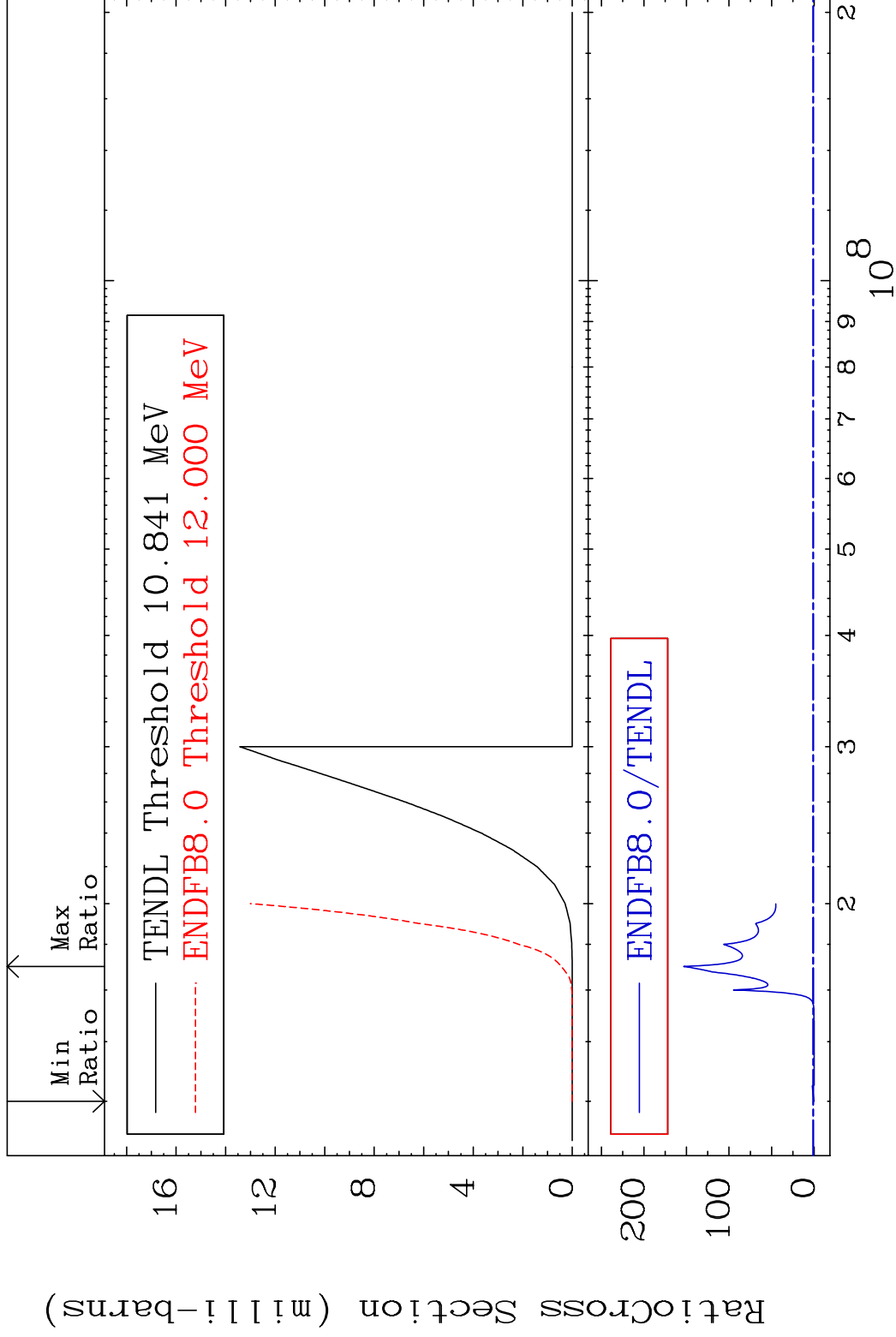
57-La-138

MAT 5725

(n, n') d

57-La-138

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

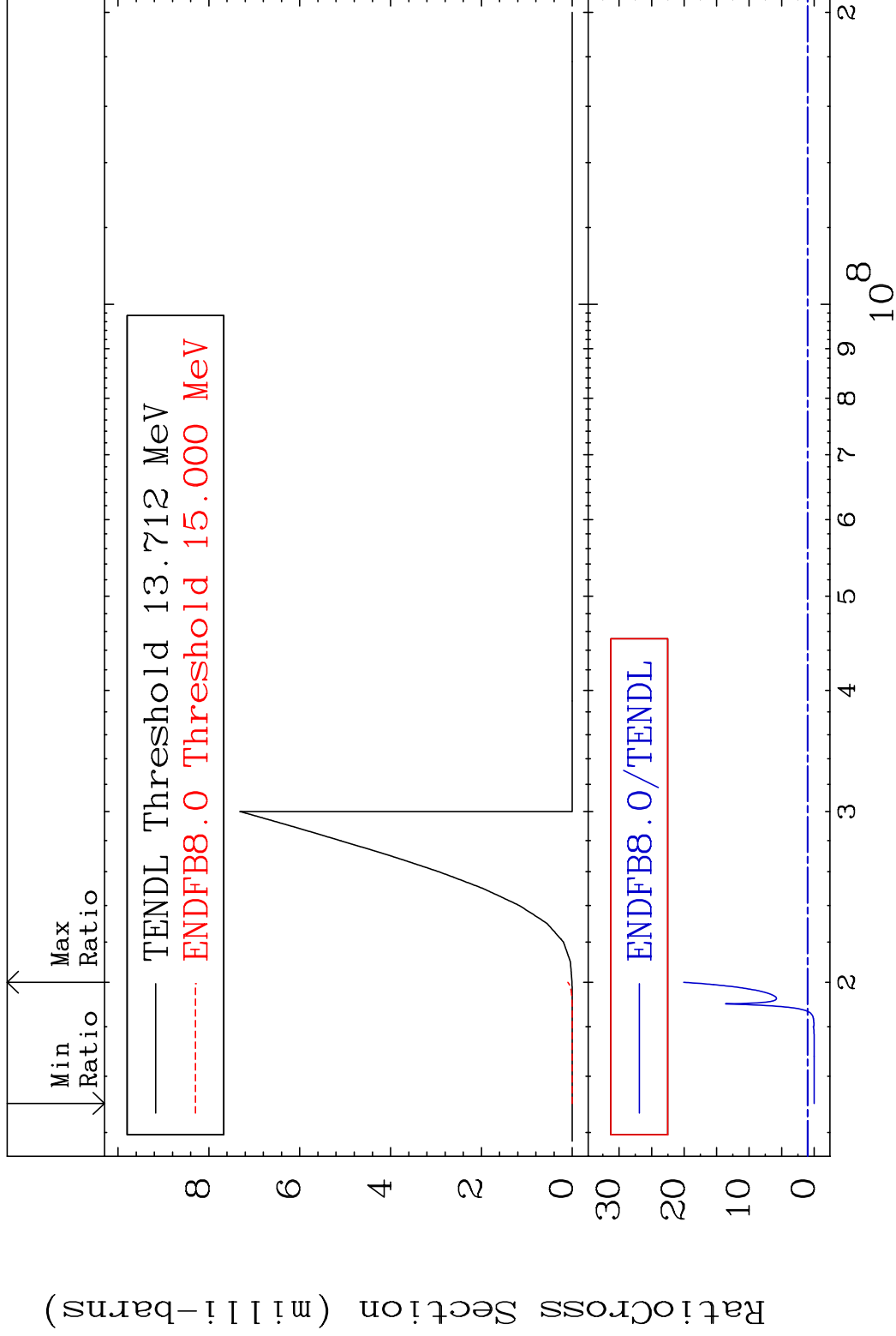
57-La-138

MAT 5725

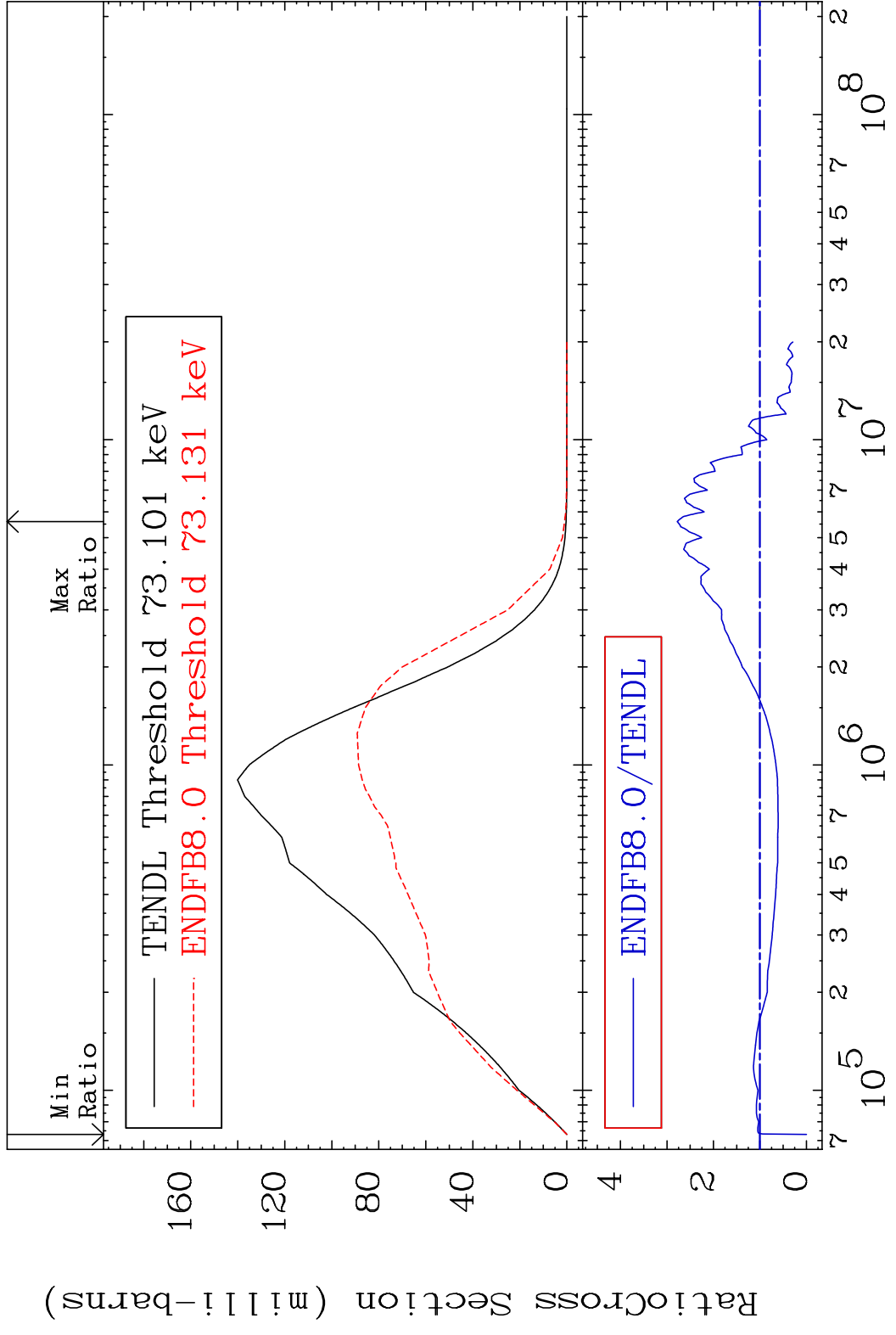
(n, n') t

57-La-138

Cross Section -100.0 To 1907. %

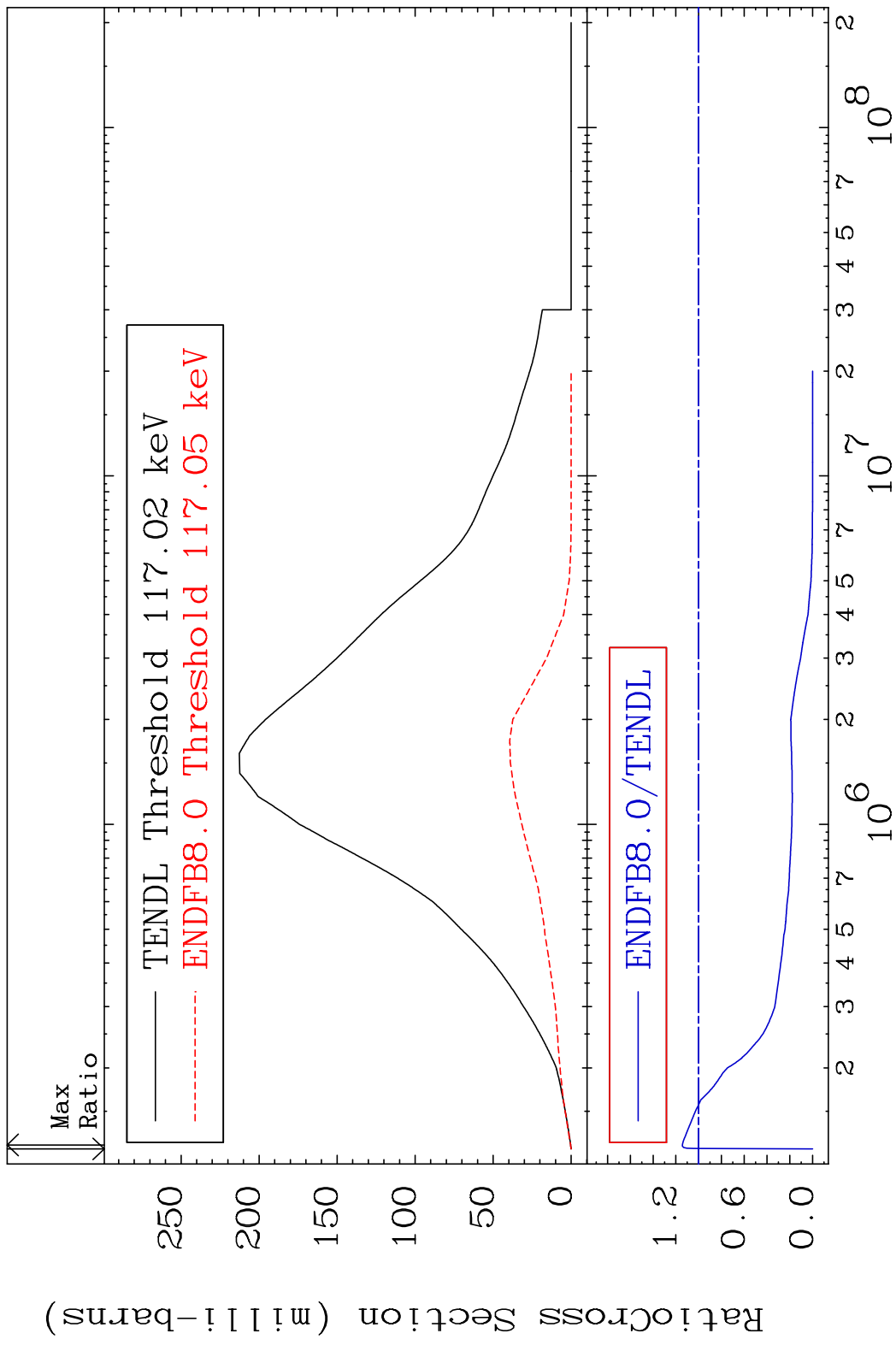


MAT 5725 MT= 51 (n, n') Level 57-La-138
 Cross Section -100.0 To 178.1 %

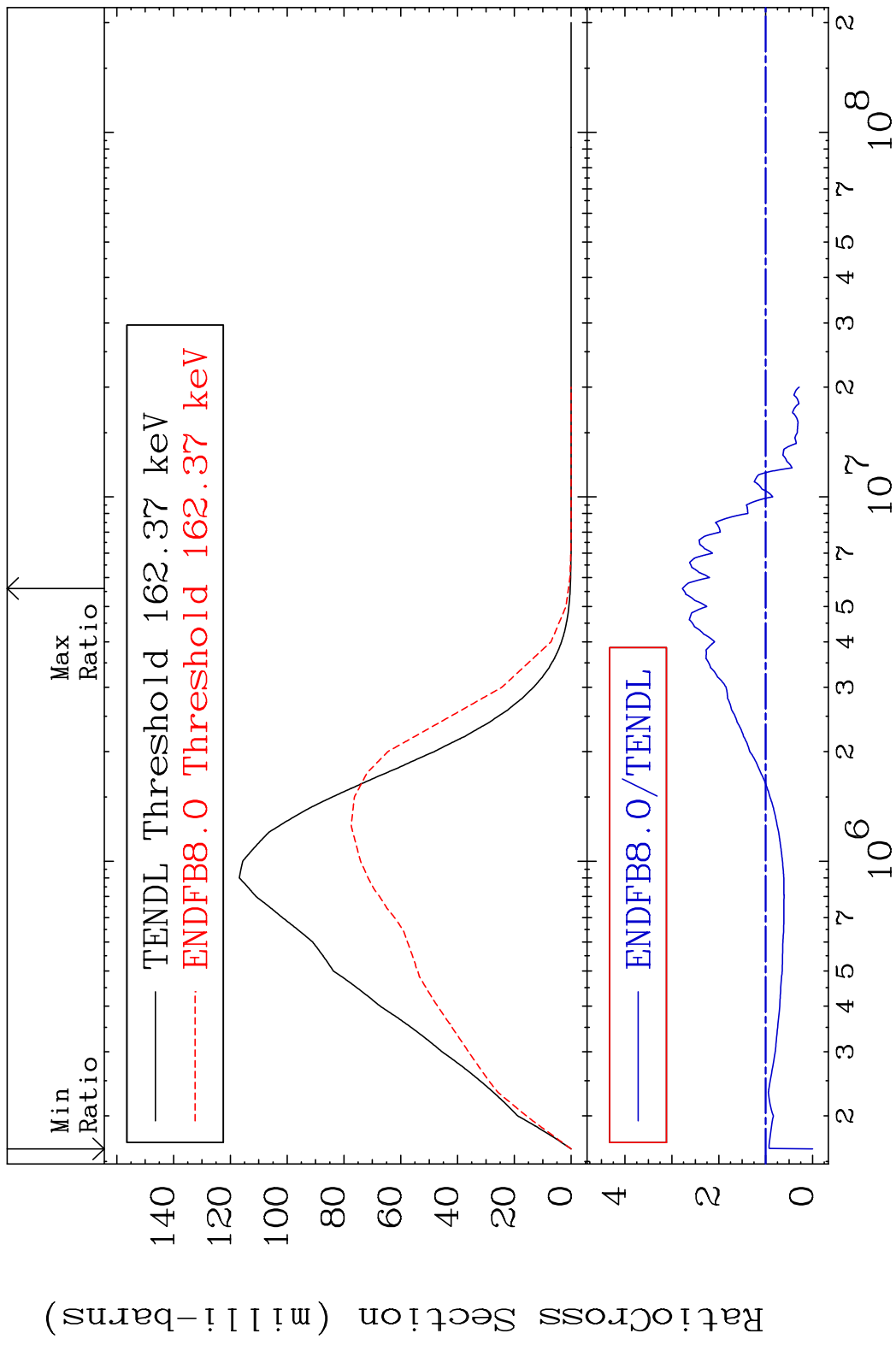


10 10⁵ 10⁶ 10⁷ 10⁸ 2 3 4 5 7 8 2 57-La-138

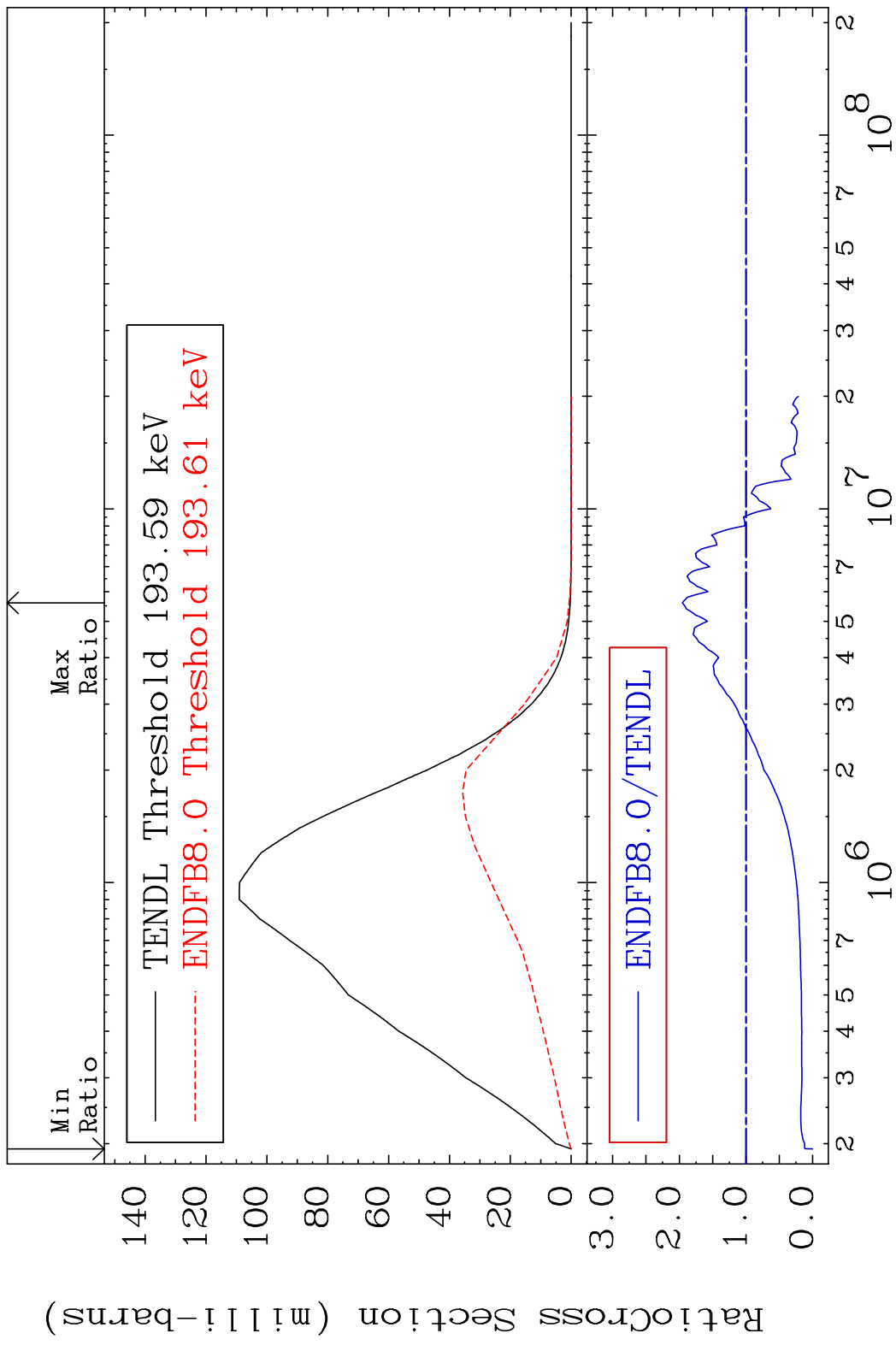
MAT 5725 MT= 52 (n, n') Level 57-La-138
 Cross Section -100.0 To 14.32 %



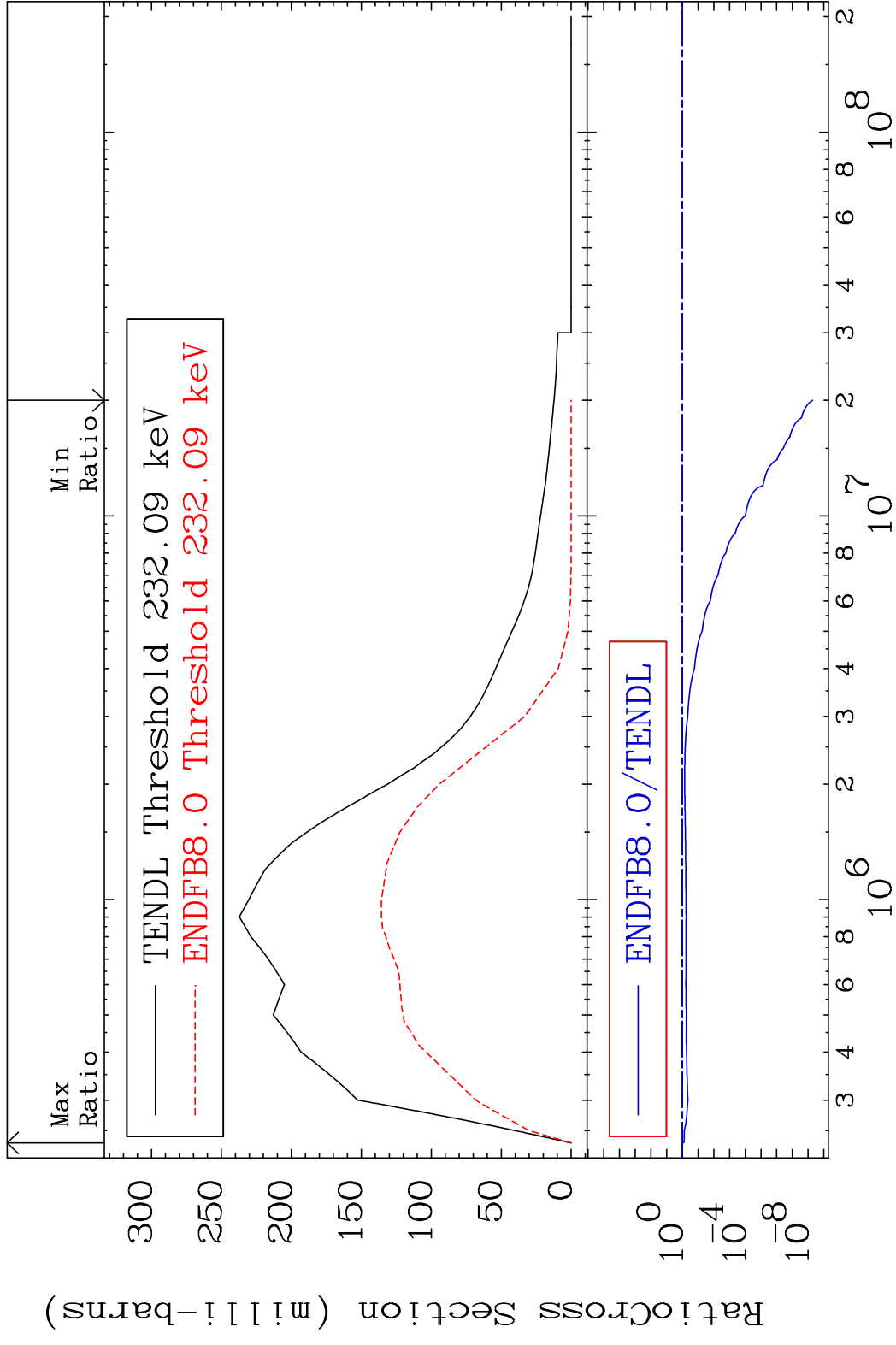
MAT 5725 MT= 53 (n, n') Level 57-La-138
 Cross Section -100.0 To 177.6 %



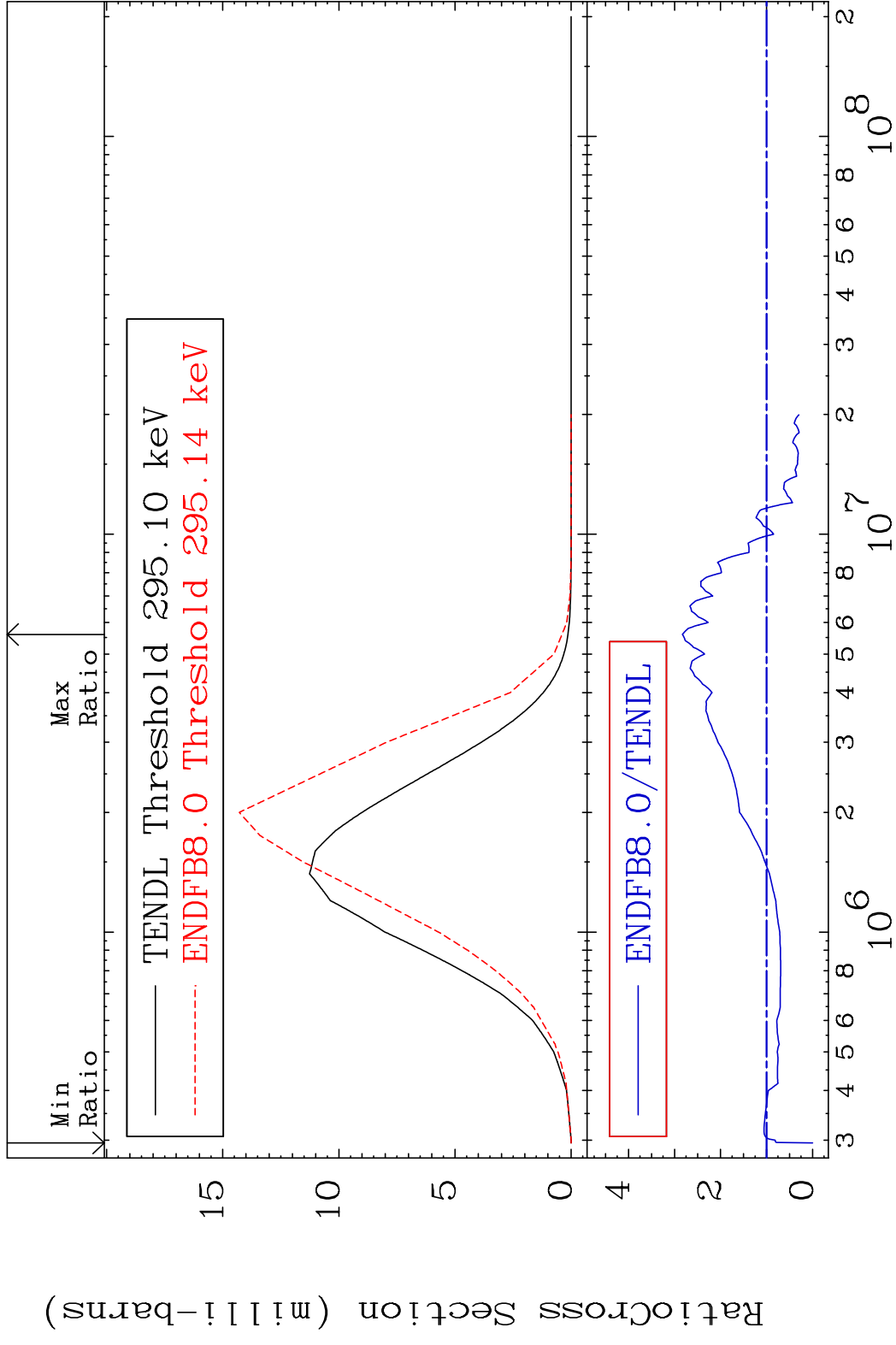
MAT 5725 MT= 54 (n, n') Level 57-La-138
 Cross Section -100.0 To 95.44 %



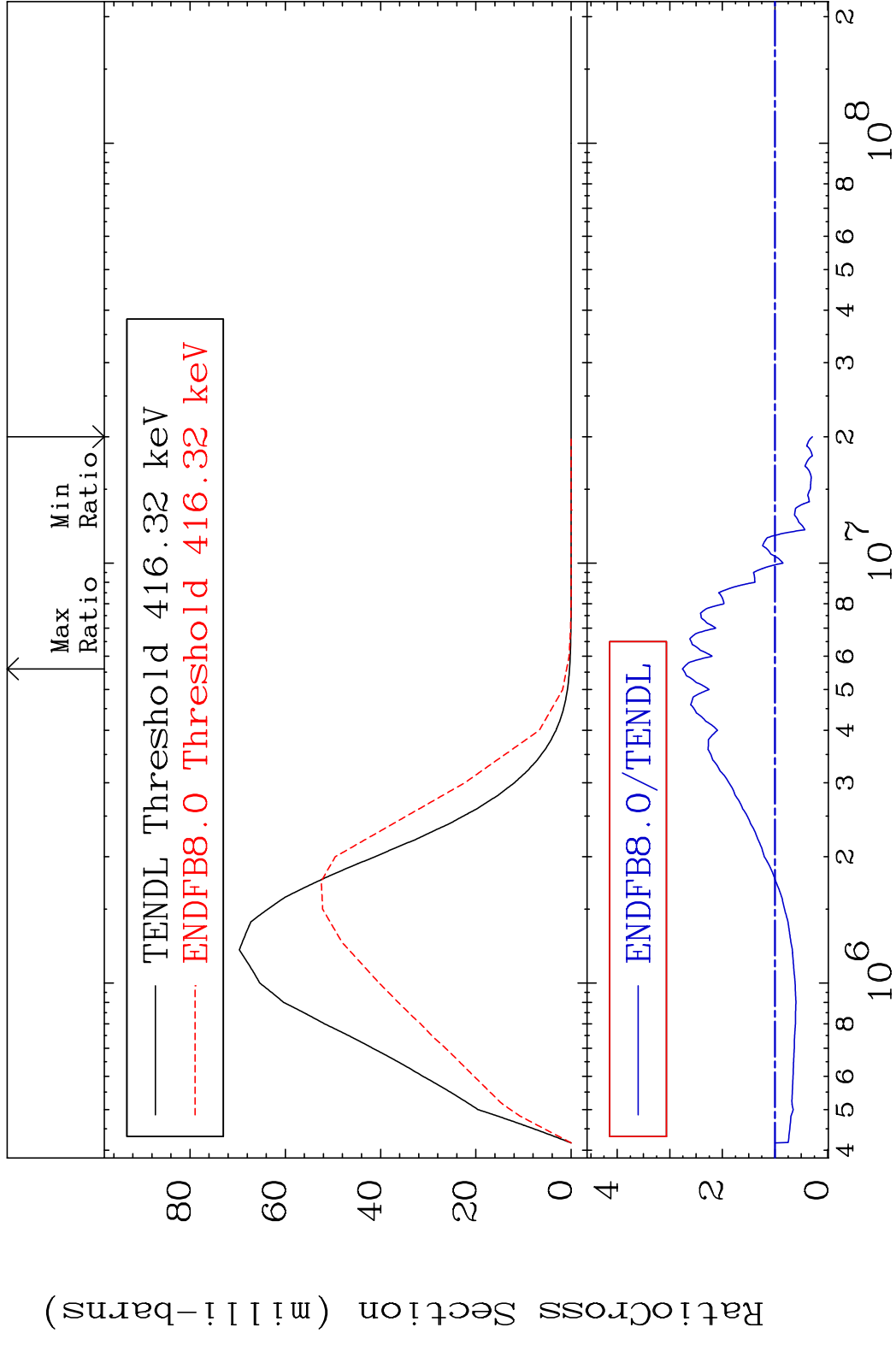
MAT 5725 MT= 55 (n,n') Level 57-La-138
 Cross Section -100.0 To 0.000 %



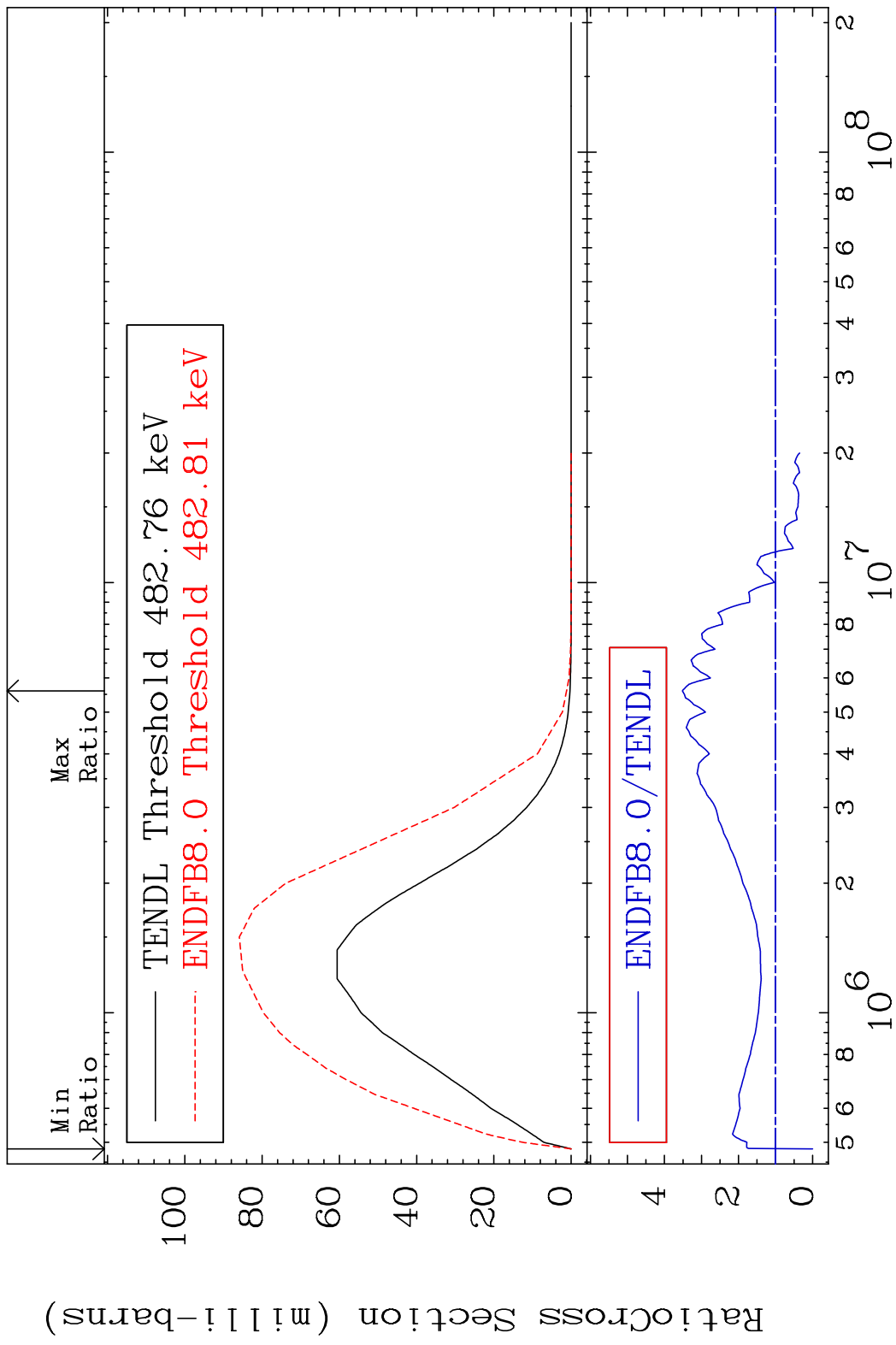
MAT 5725 MT= 56 (n, n') Level 57-La-138
 Cross Section -100.0 To 183.0 %



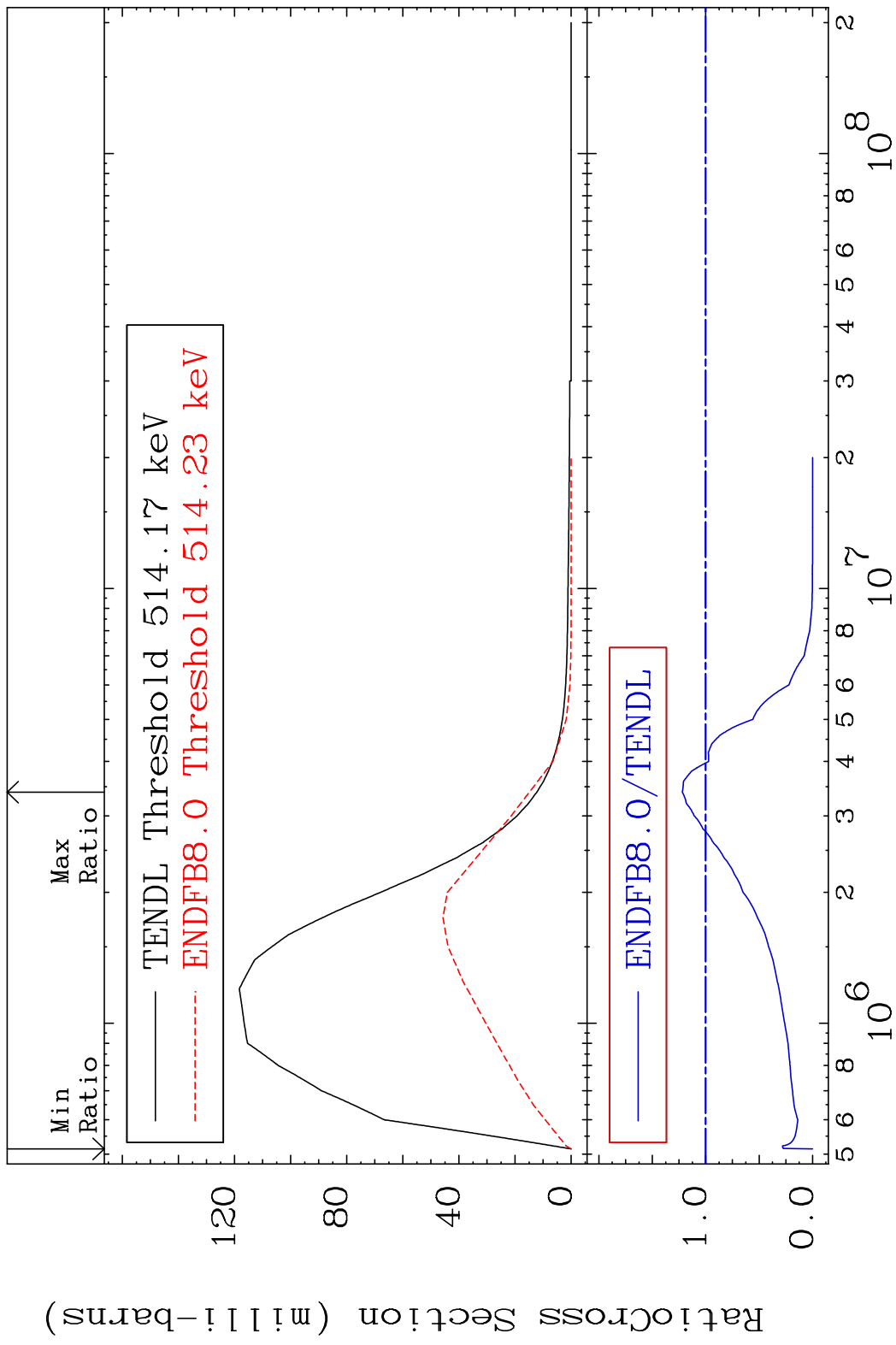
MAT 5725 MT= 57 (n, n') Level 57-La-138
 Cross Section -71.50 To 176.0 %



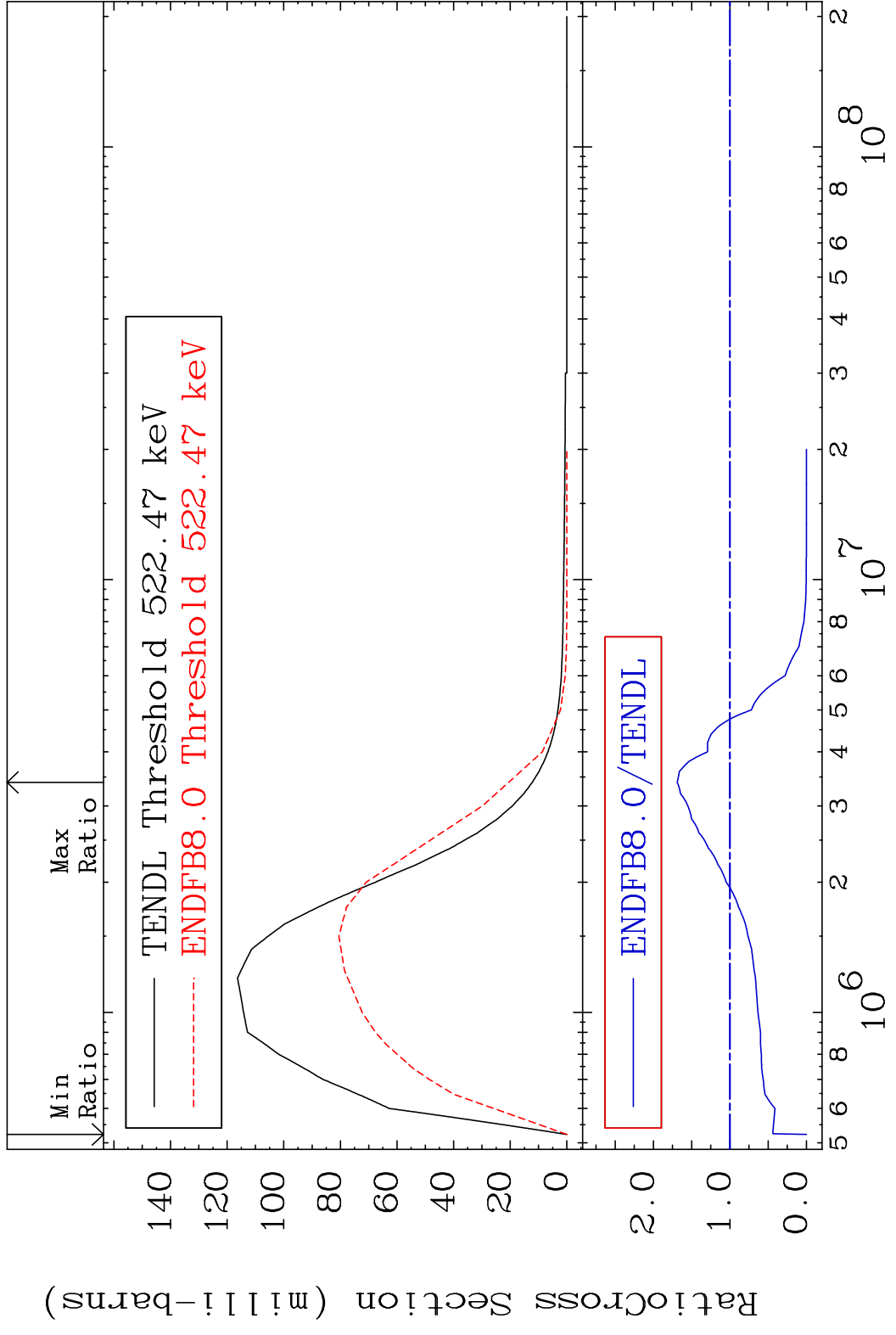
MAT 5725 MT= 58 (n, n') Level 57-La-138
 Cross Section -100.0 To 251.7 %



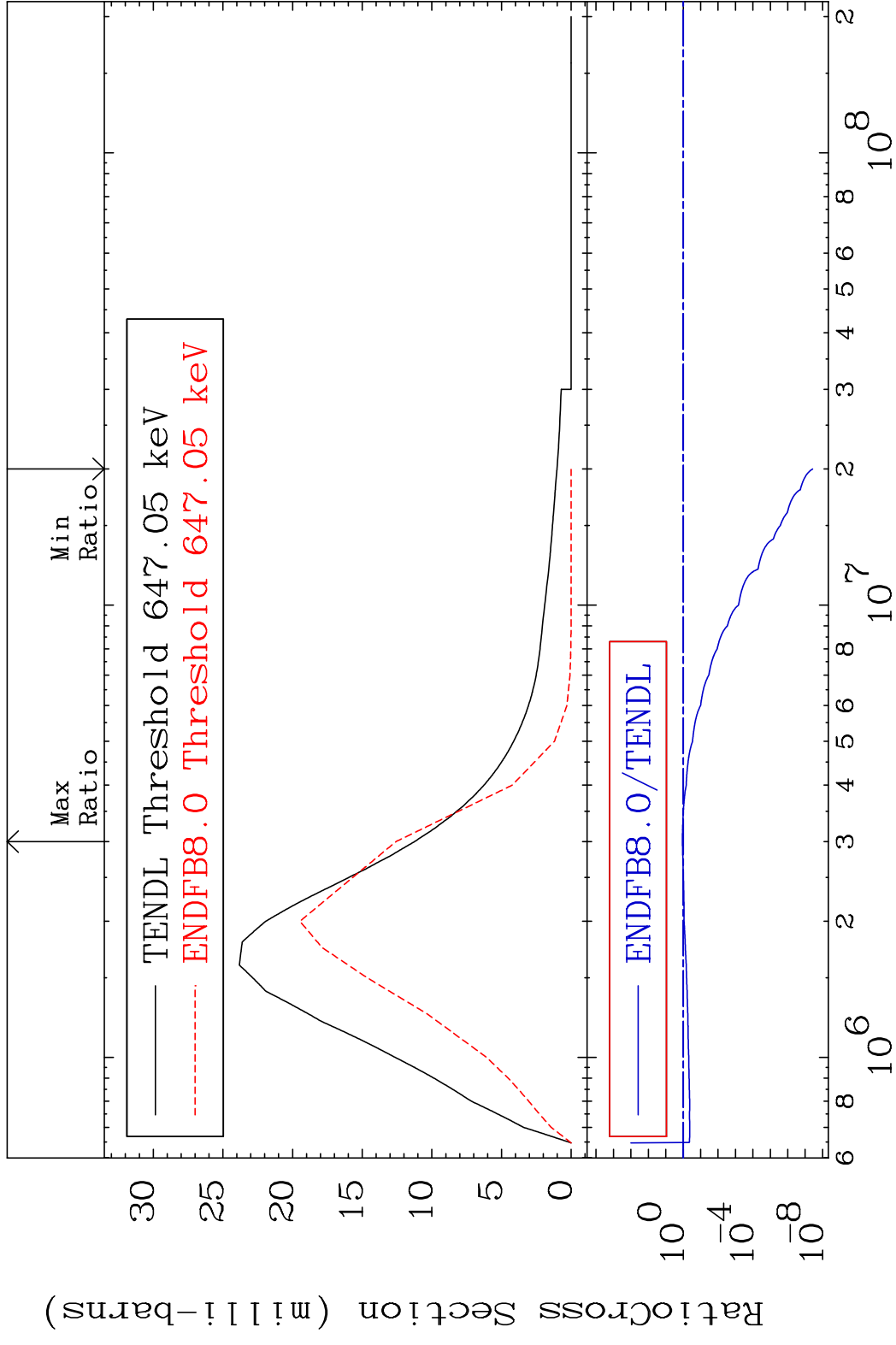
MAT 5725 MT= 59 (n, n') Level 57-La-138
 Cross Section -100.0 To 21.89 %



MAT 5725 MT= 60 (n, n') Level 57-La-138
 Cross Section -100.0 To 68.87 %

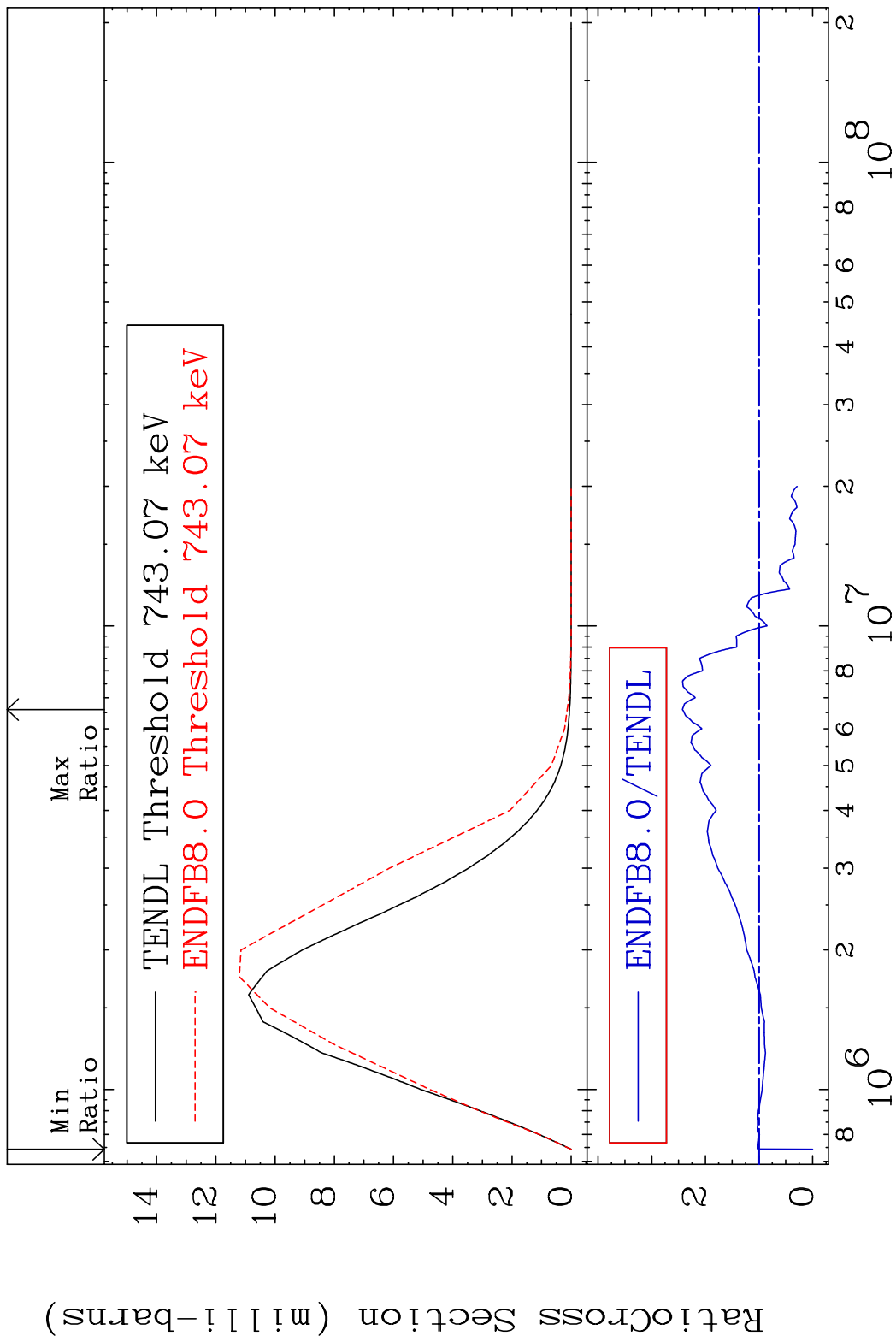


MAT 5725 MT= 61 (n, n') Level 57-La-138
 Cross Section -100.0 To 11.87 %

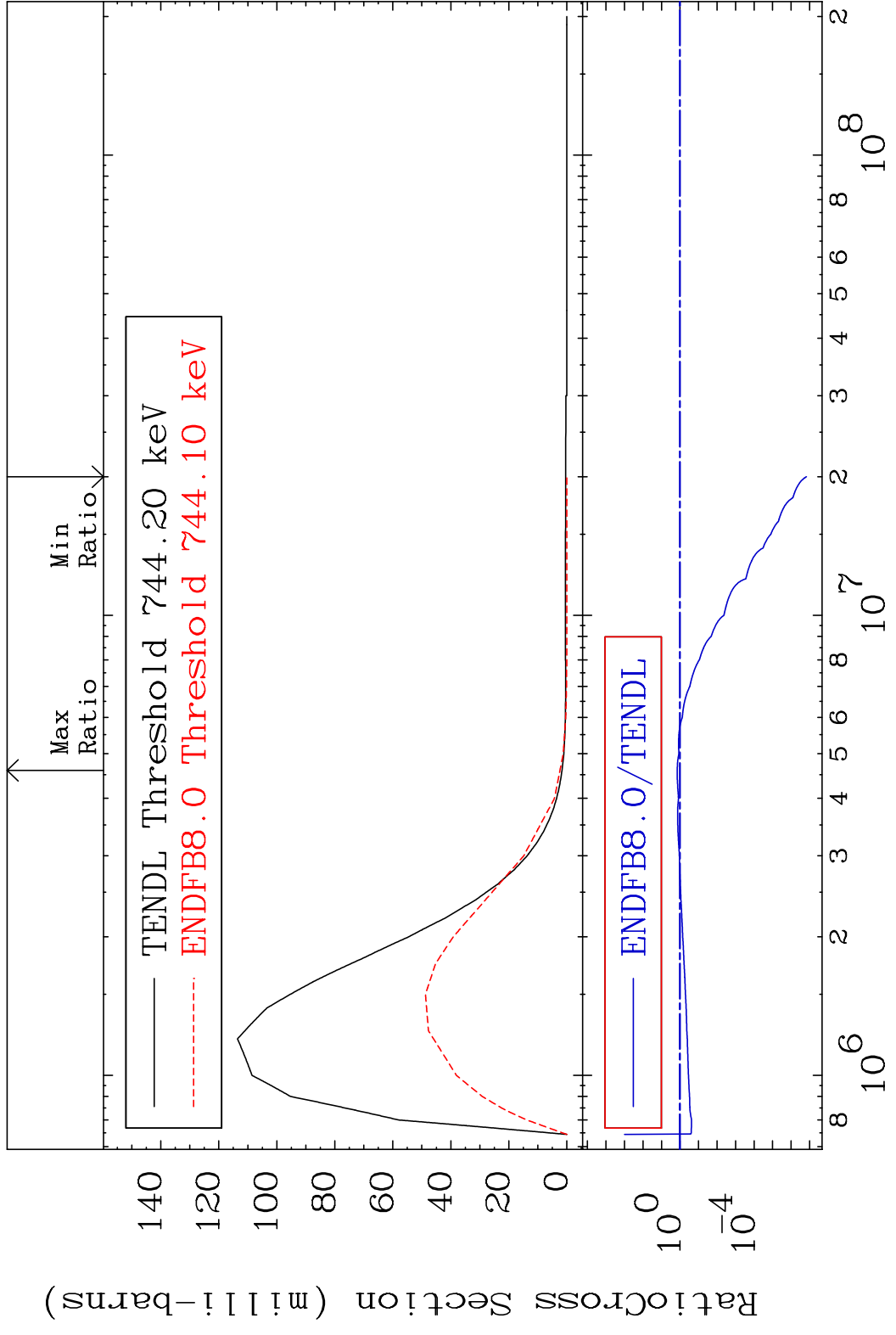


20 Incident Energy (eV) 57-La-138

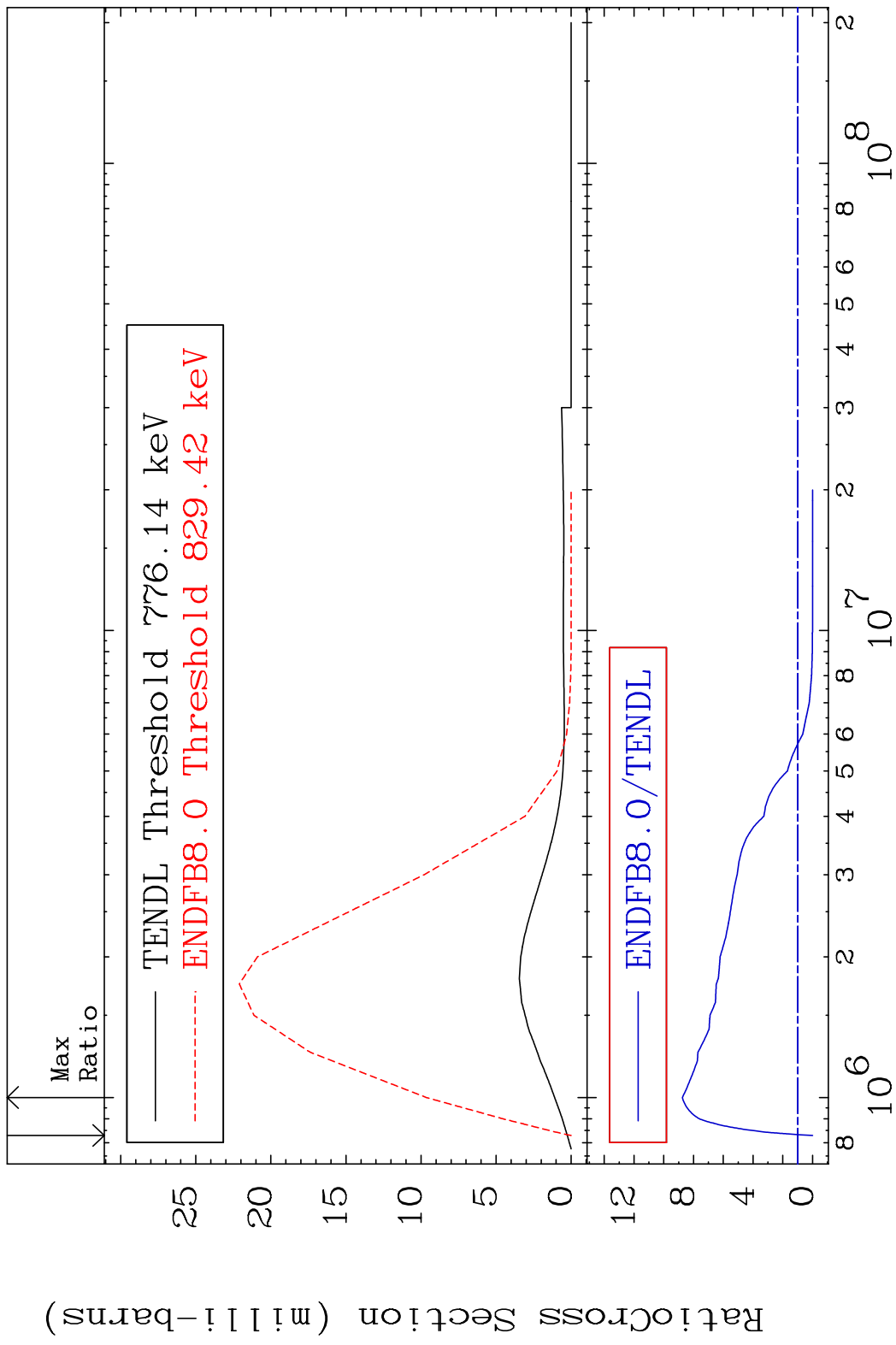
MAT 5725 MT= 62 (n, n') Level 57-La-138
 Cross Section -100.0 To 142.9 %



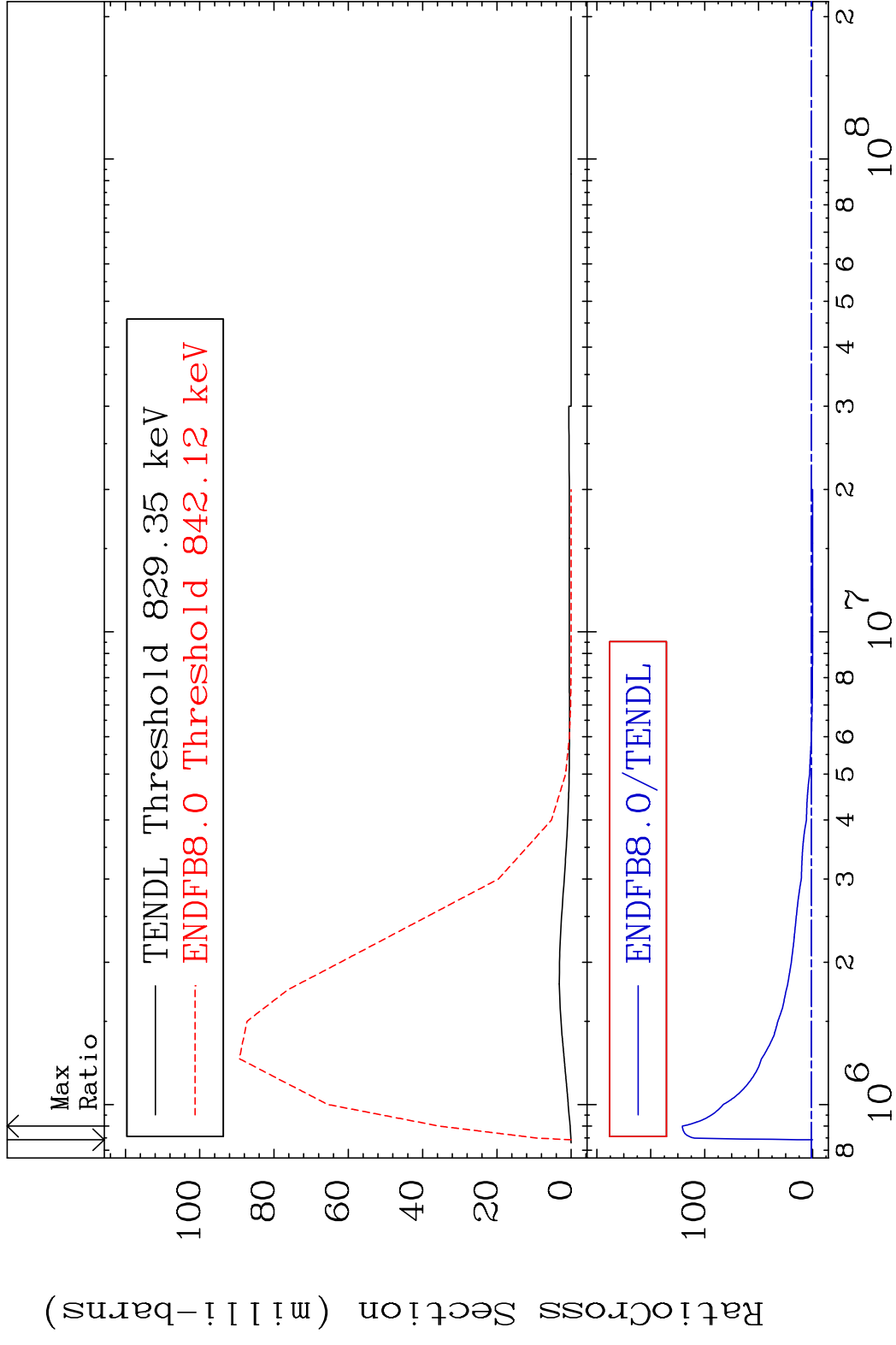
MAT 5725 MT= 63 (n, n') Level 57-La-138
 Cross Section -100.0 To 42.51 %



MAT 5725 MT= 64 (n, n') Level 57-La-138
 Cross Section -100.0 To 775.1 %



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

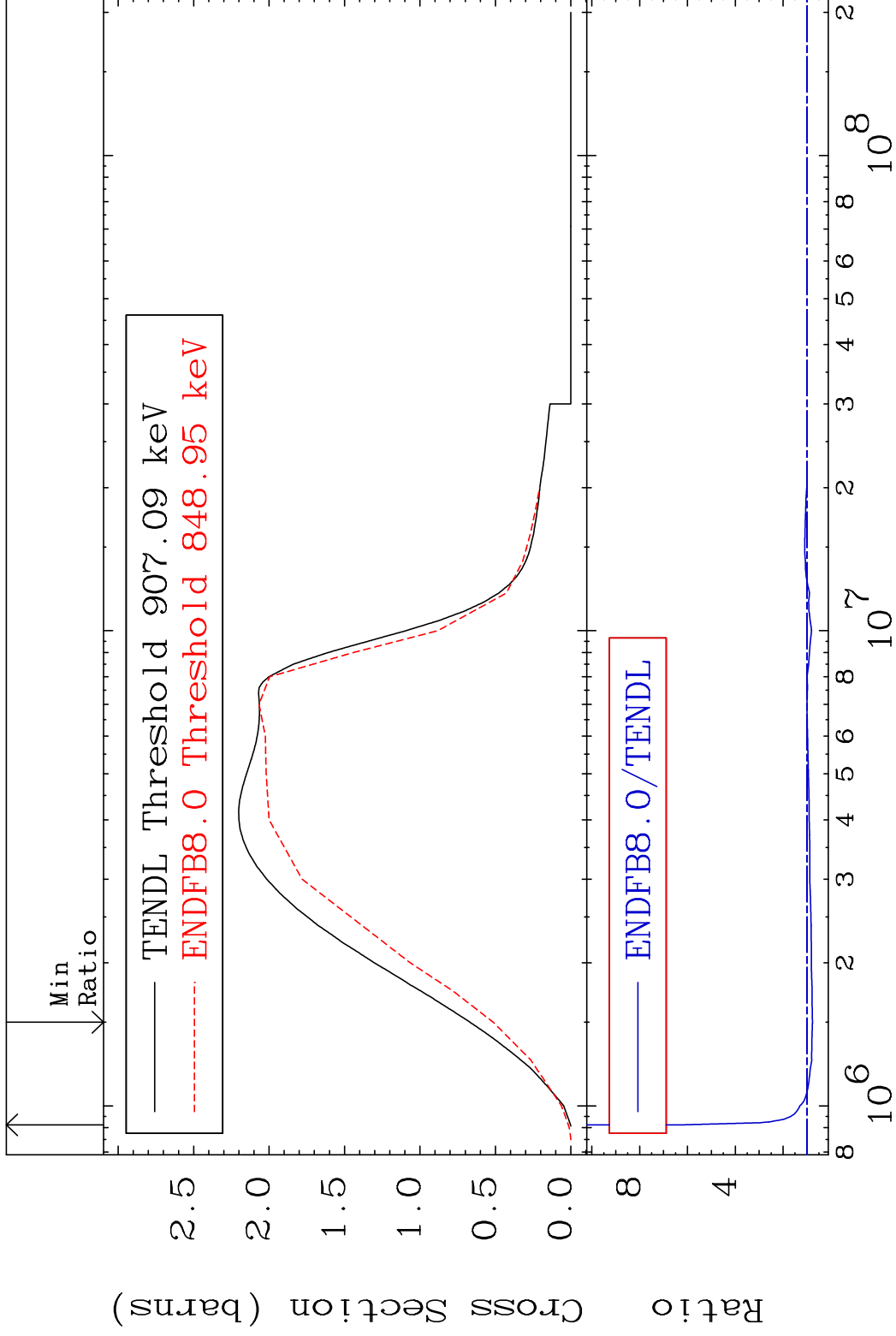


MAT 5725

(n, n') Continuum

57-La-138

Cross Section -23.04 To 522.2 %



25

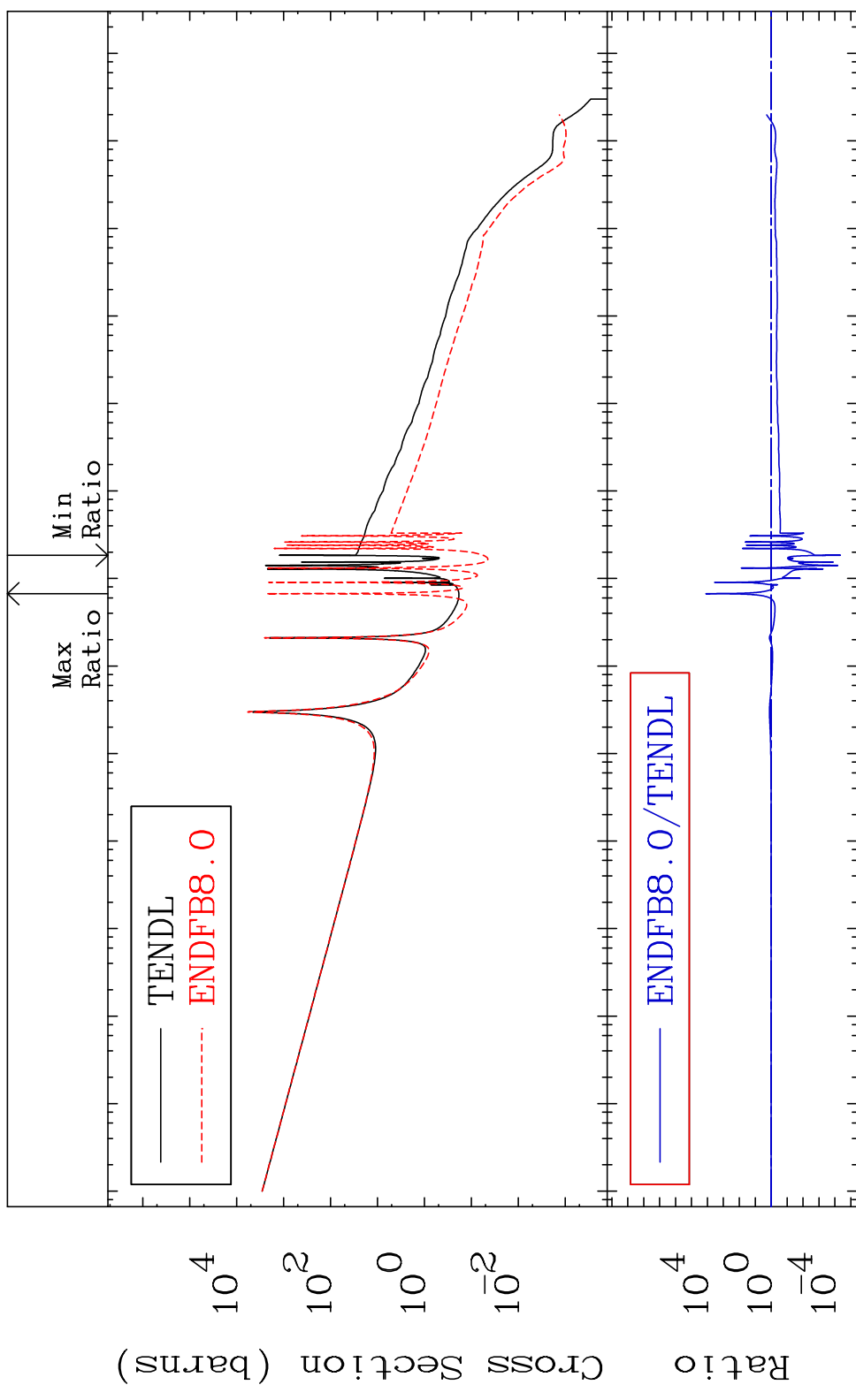
Incident Energy (eV)

57-La-138

MAT 5725

(n, γ)
Cross Section -100.0 To 9999. %

57-La-138

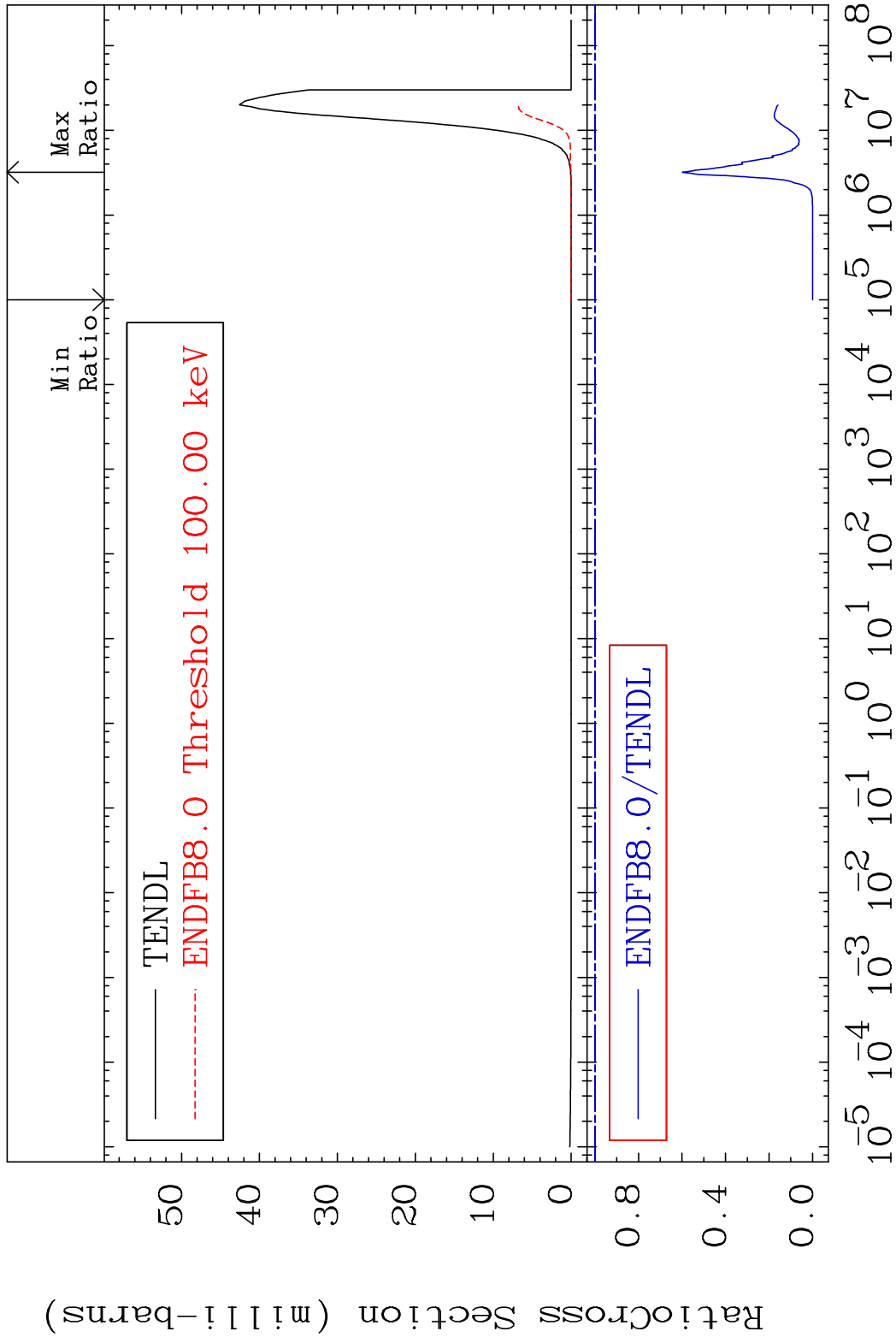


MAT 5725

(n, p)

57-La-138

Cross Section -100.0 To -40.14%



27

Incident Energy (eV)

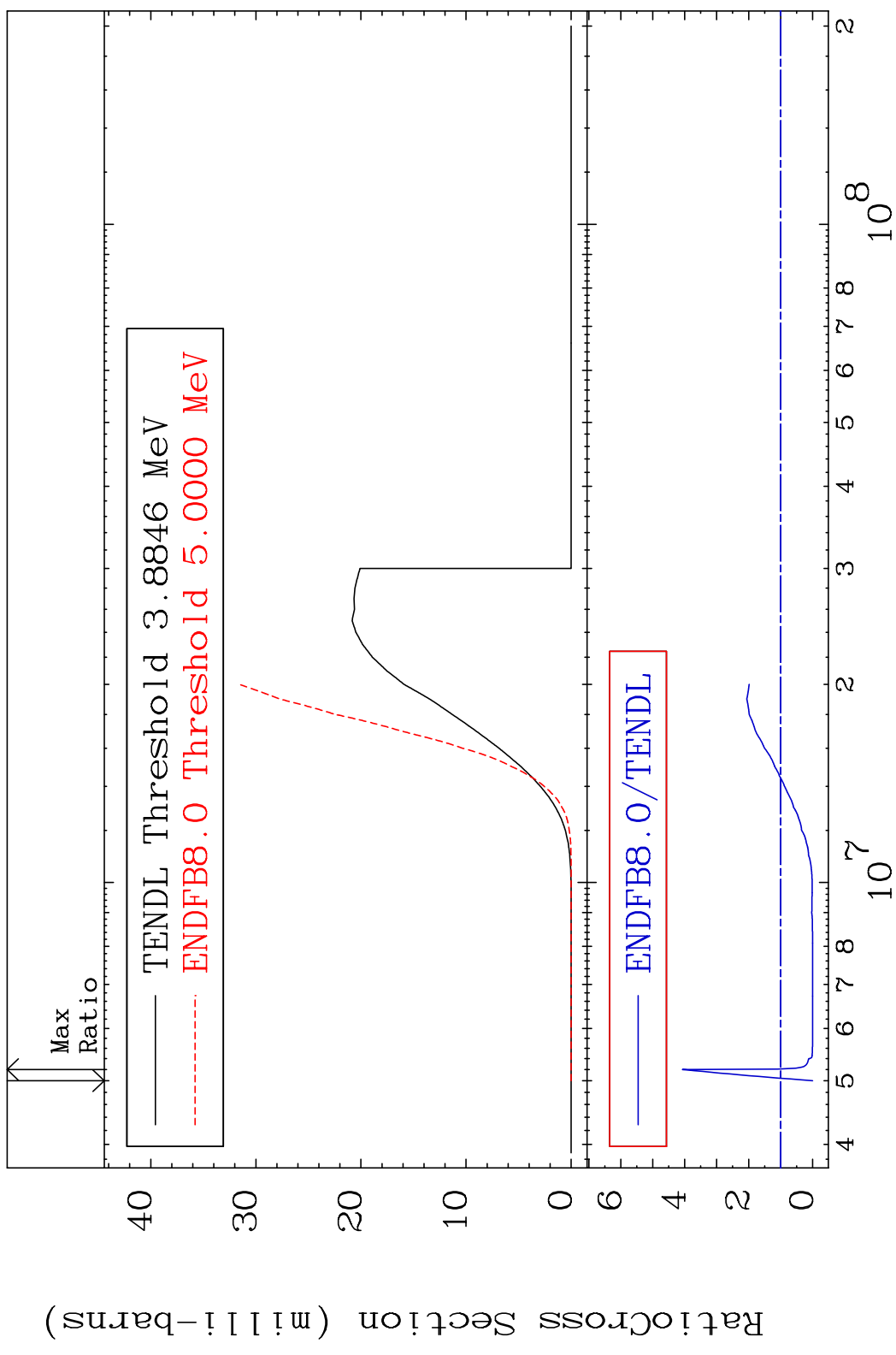
57-La-138

MAT 5725

(n,d)

57-La-138

Cross Section -100.0 To 307.5 %

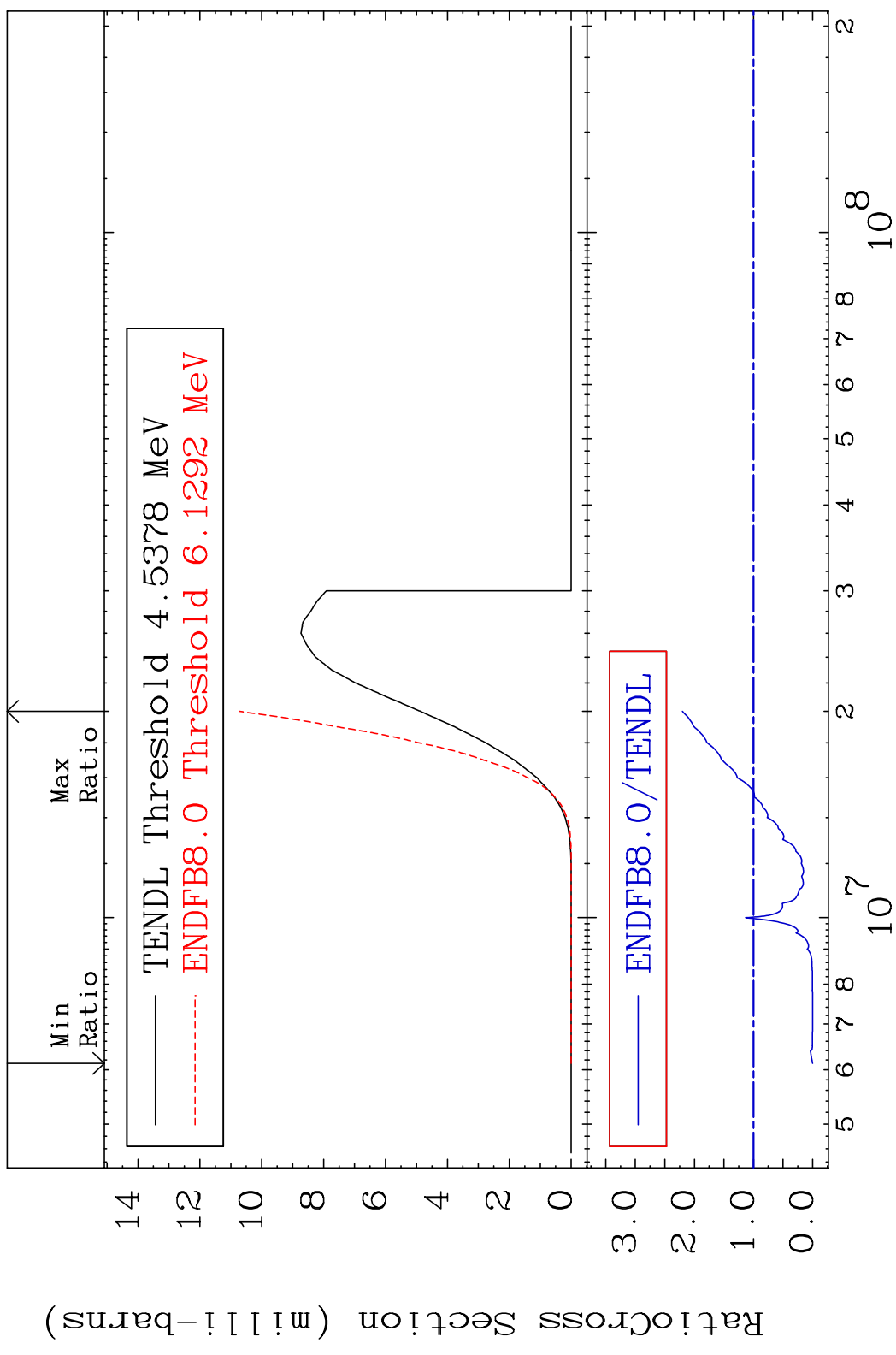


MAT 5725

(n, t)

57-La-138

Cross Section -100.0 To 120.3 %

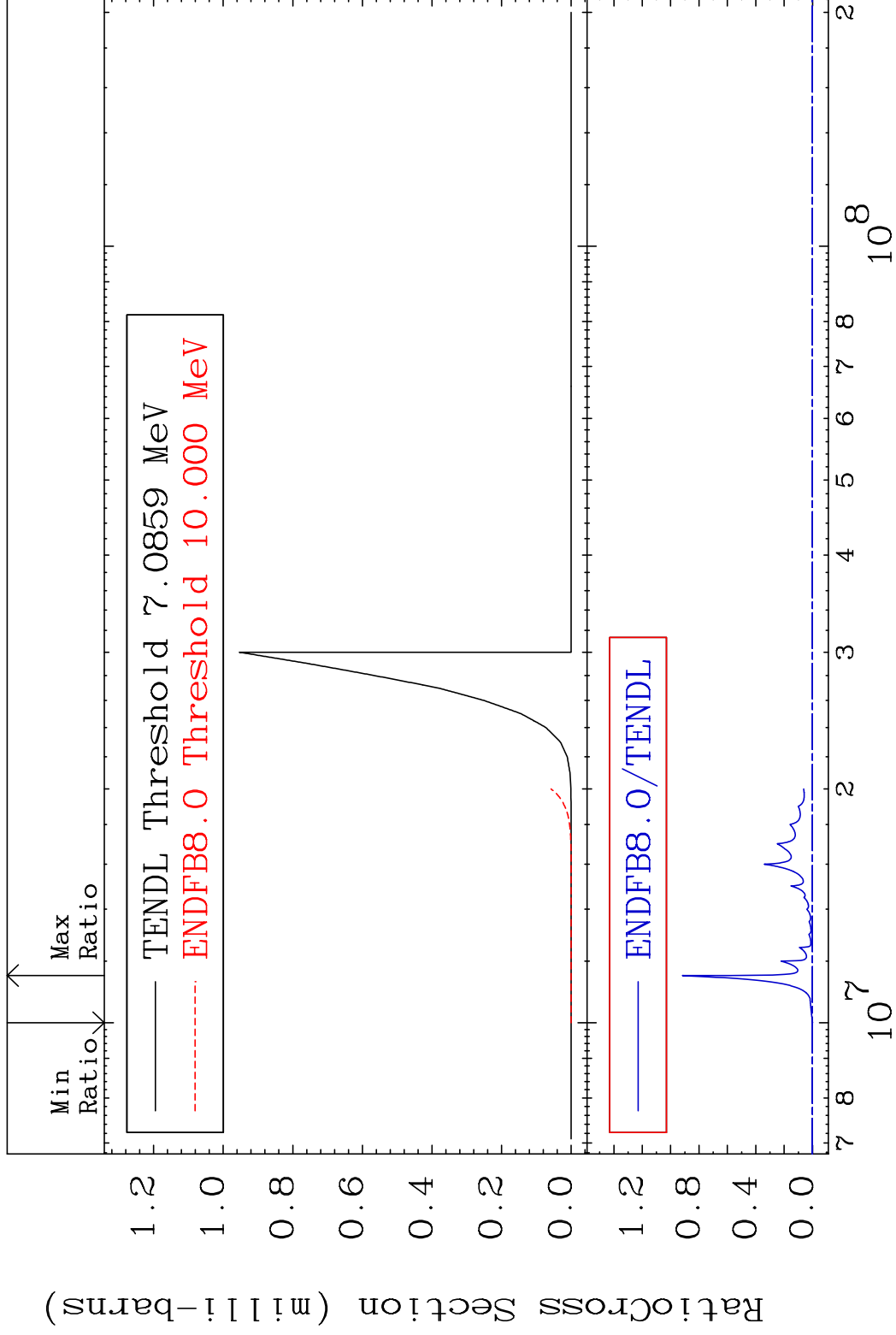


MAT 5725

(n, He-3)

57-La-138

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

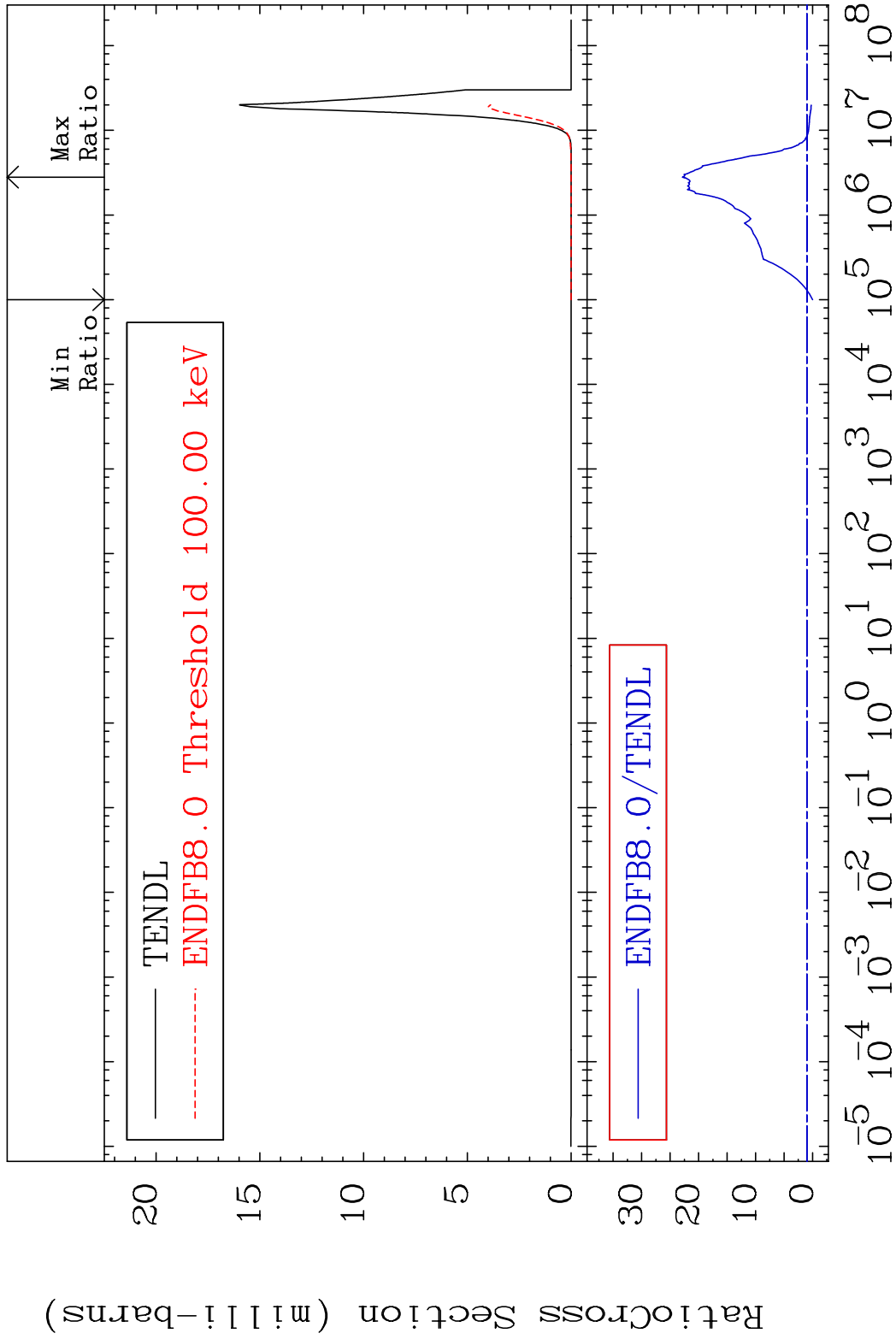
57-La-138

MAT 5725

(n, α)

57-La-138

Cross Section -100.0 To 2185. %



31

Incident Energy (eV)

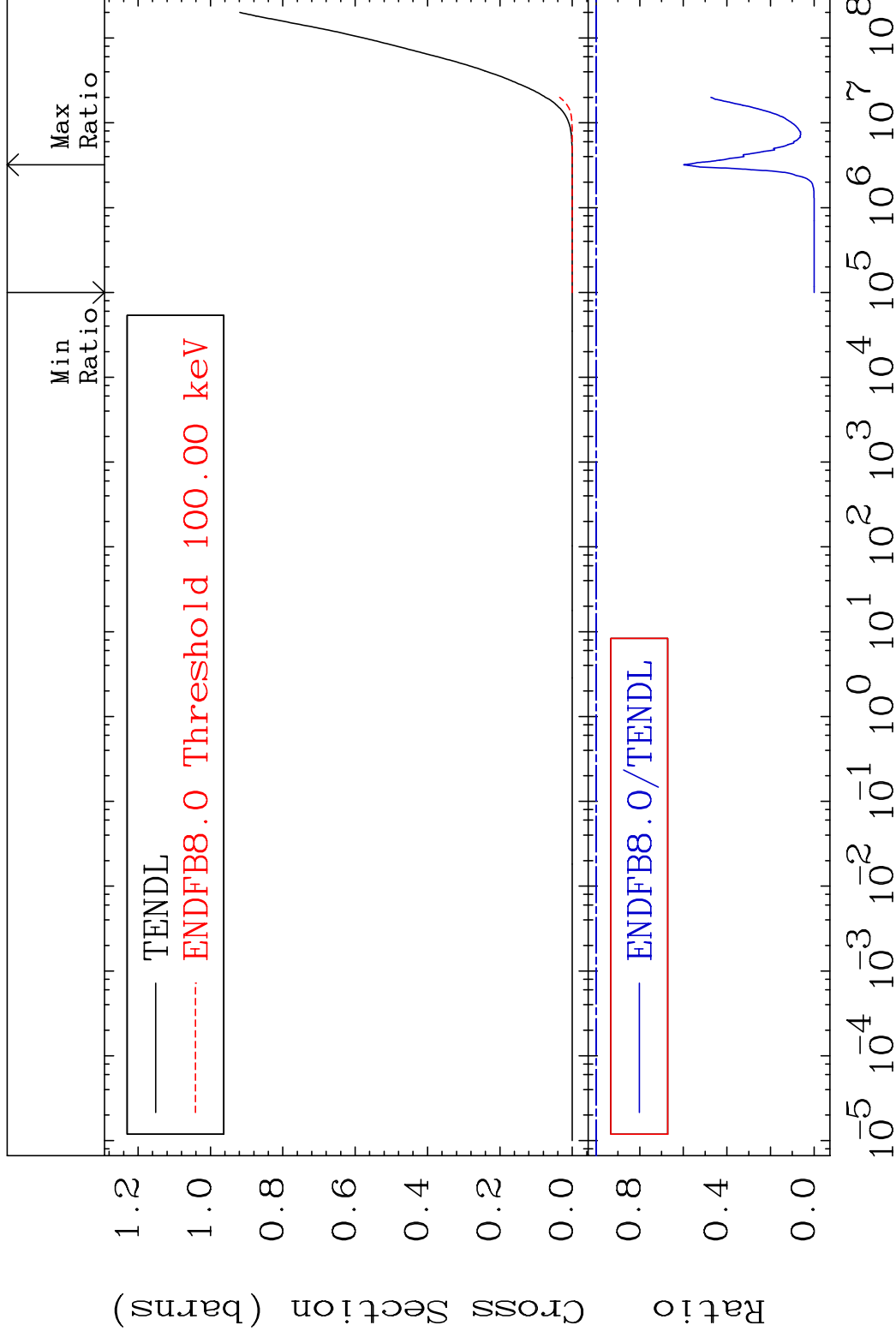
57-La-138

MAT 5725

Hydrogen Production

57-La-138

Cross Section -100.0 To -40.14%



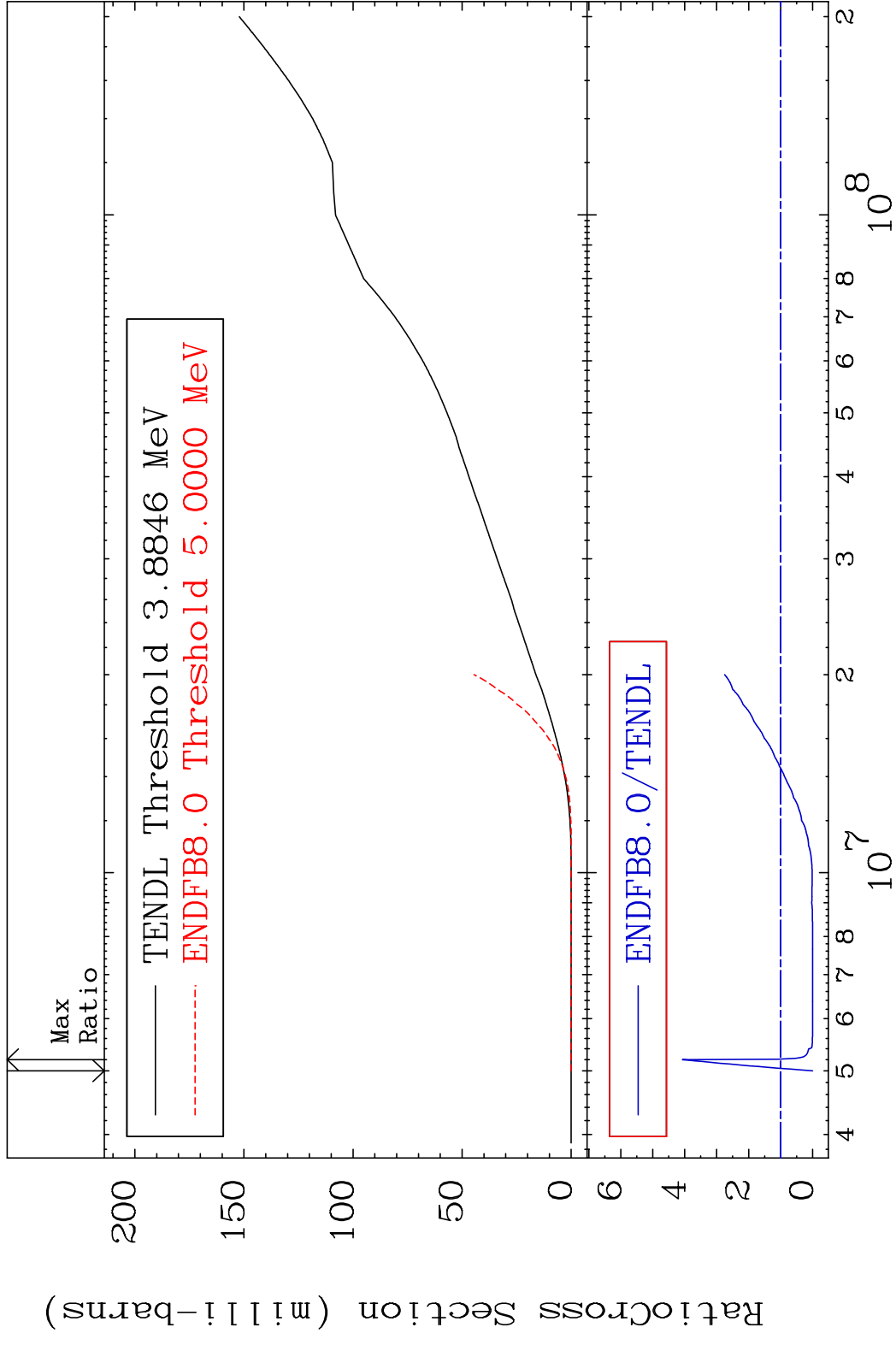
32

Incident Energy (eV)

57-La-138

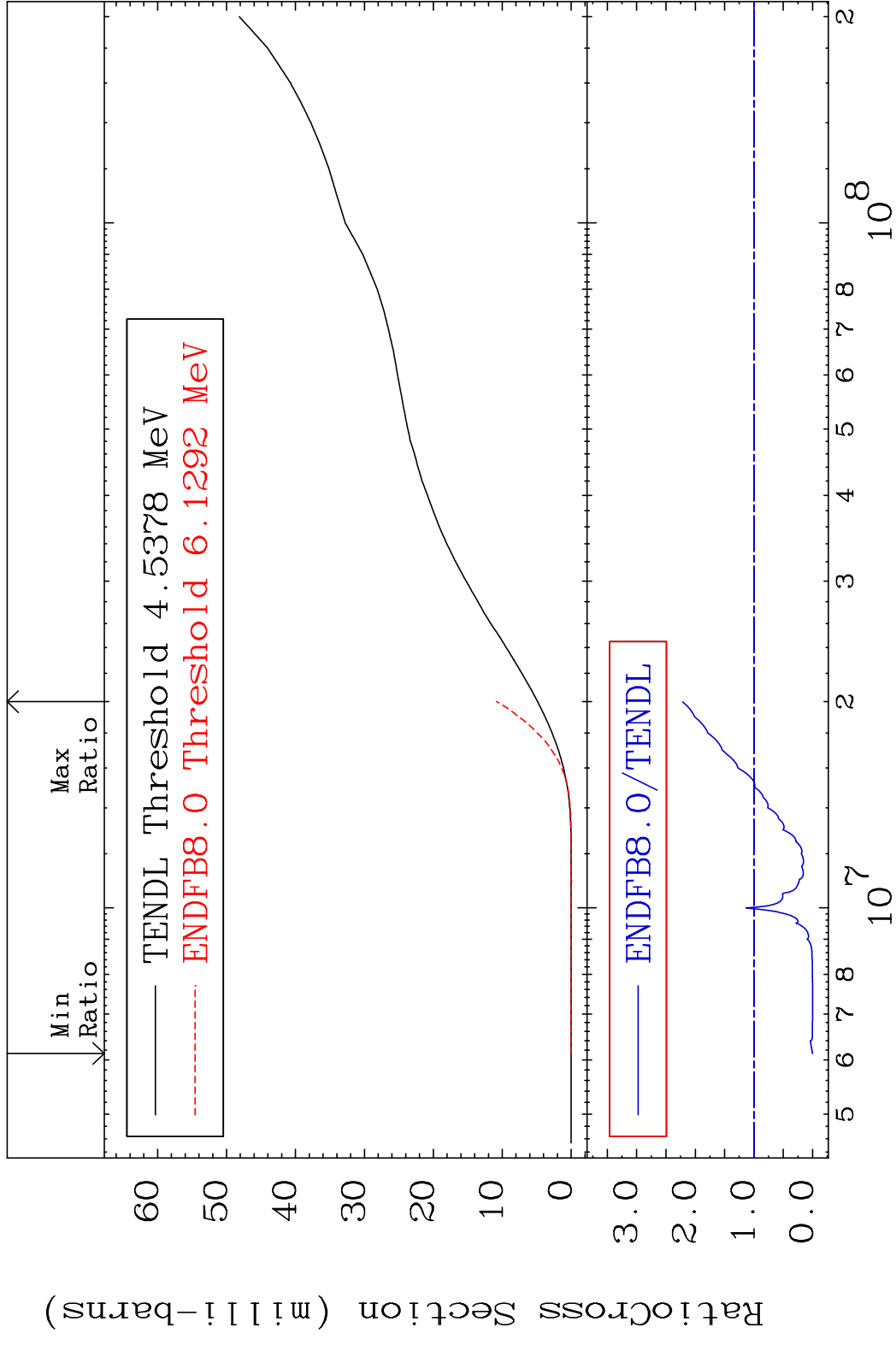
MAT 5725

Deuterium Production 57-La-138
Cross Section -100.0 To 307.5 %



MAT 5725

Tritium Production 57-La-138
Cross Section -100.0 To 122.1 %

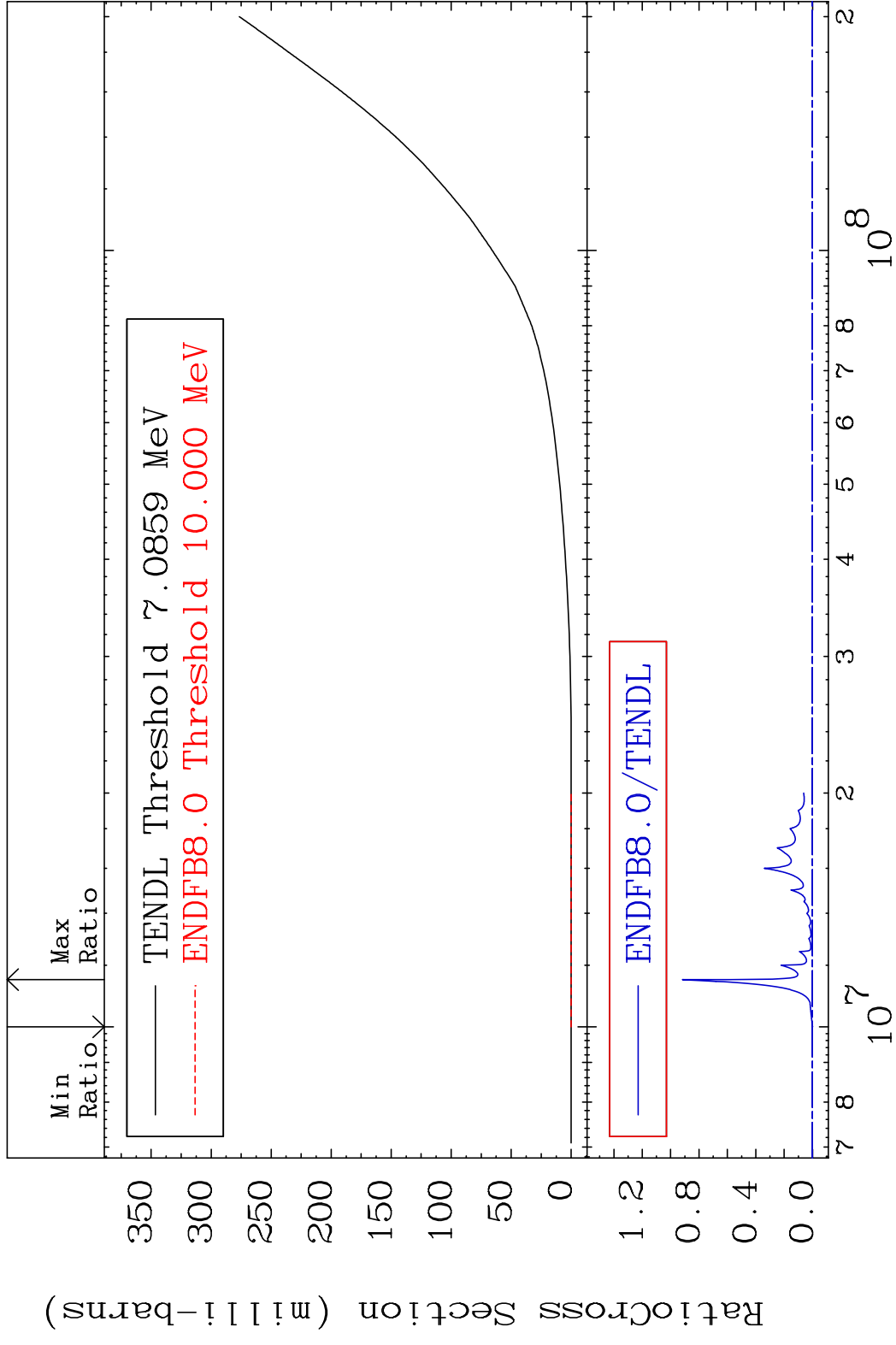


MAT 5725

He-3 Production

57-La-138

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

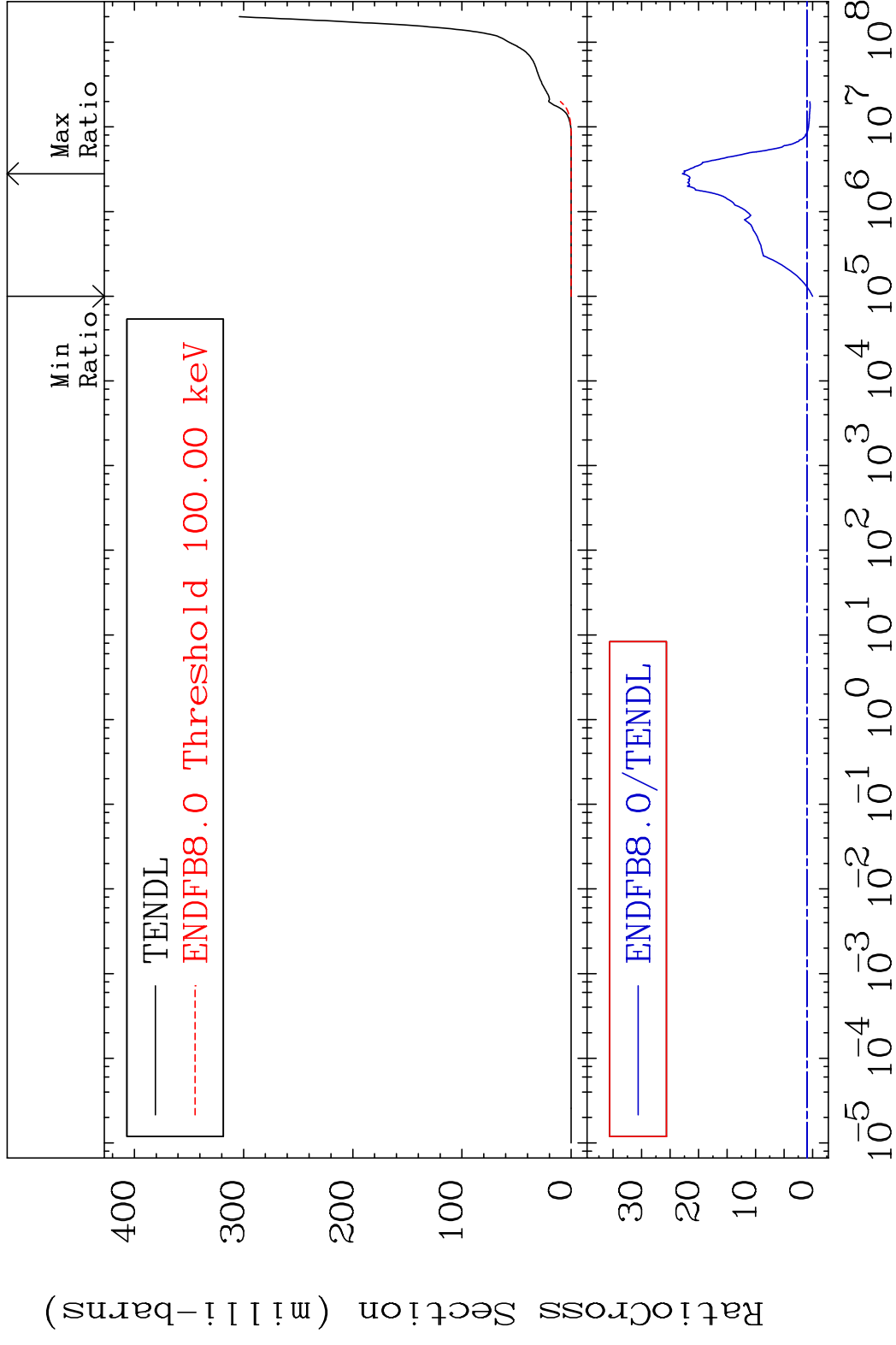
57-La-138

MAT 5725

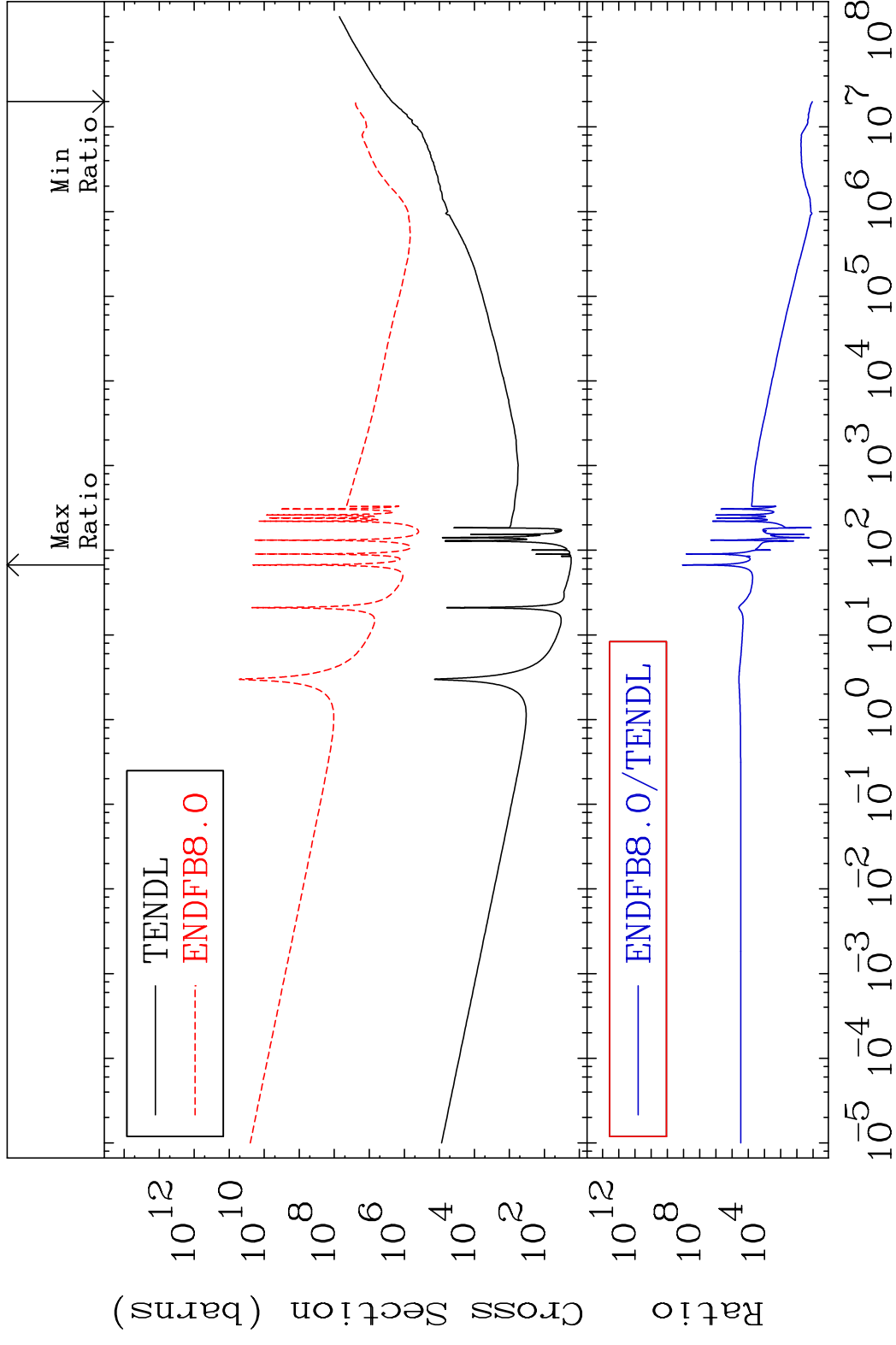
He-4 Production

57-La-138

Cross Section -100.0 To 2185. %



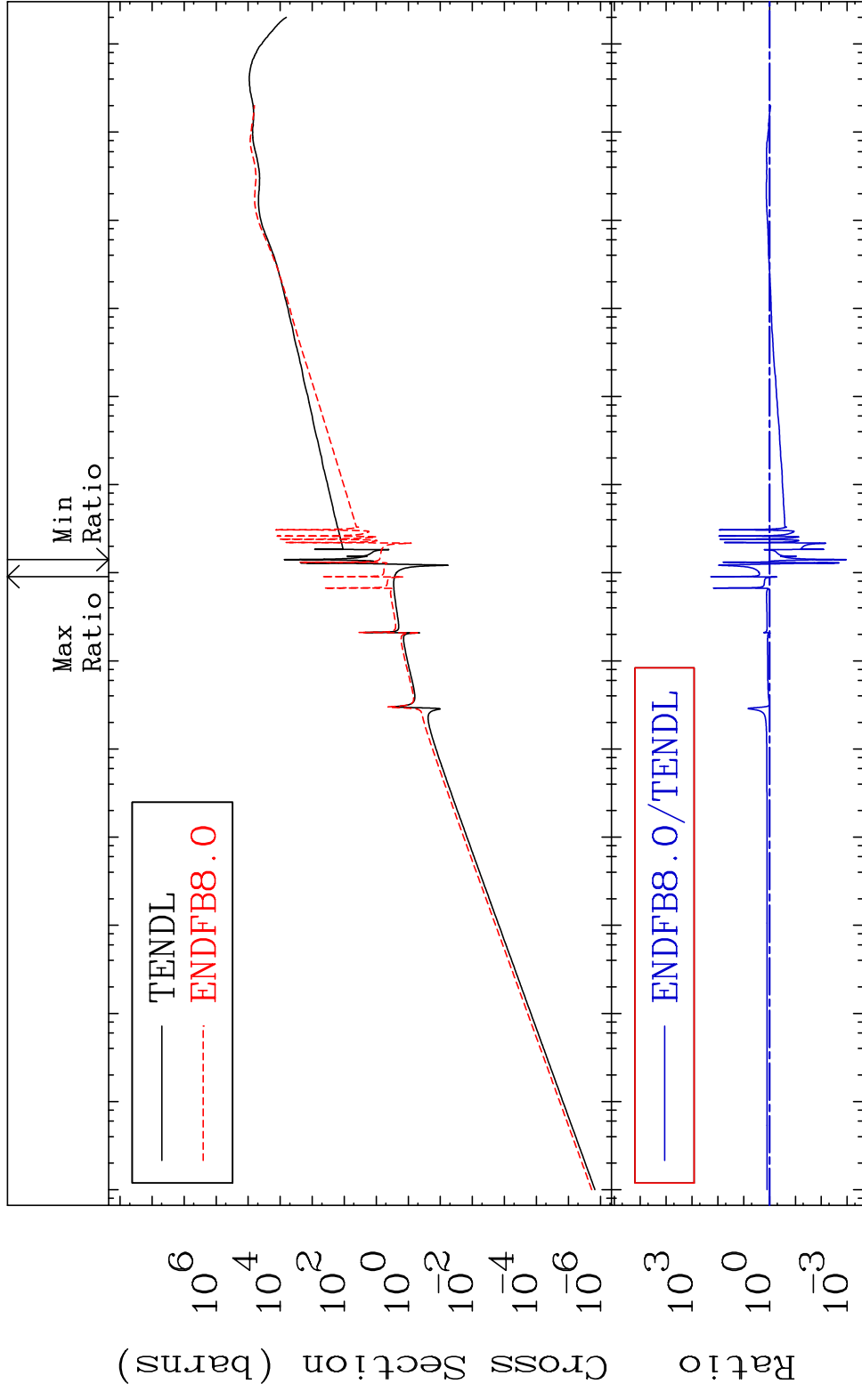
MAT 5725 Kerma total (eV-barns) 57-La-138
 Cross Section 973.2 To 9999. %



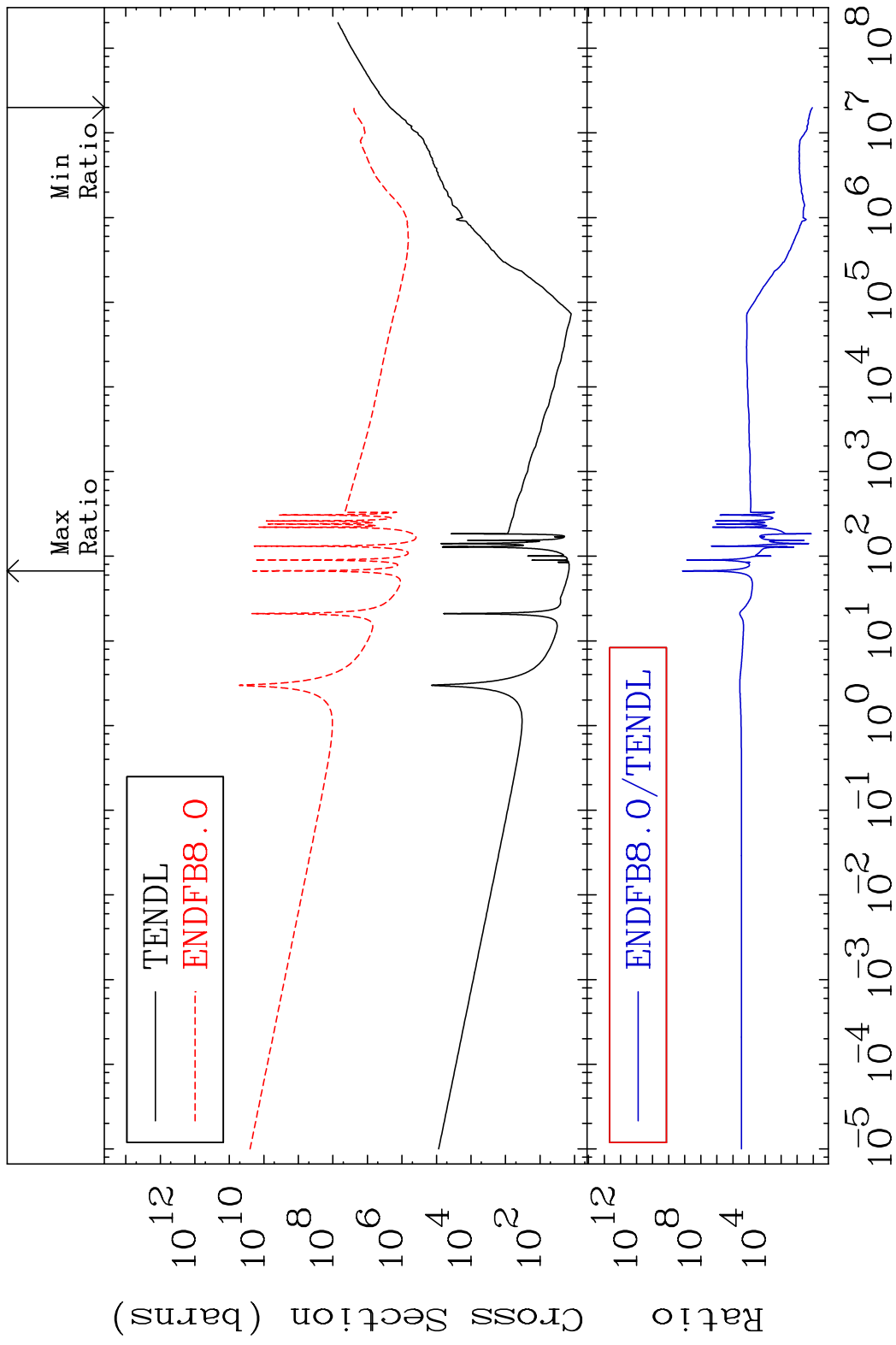
MAT 5725

Kerma elastic
Cross Section

57-La-138
-99.89 To 9999. %

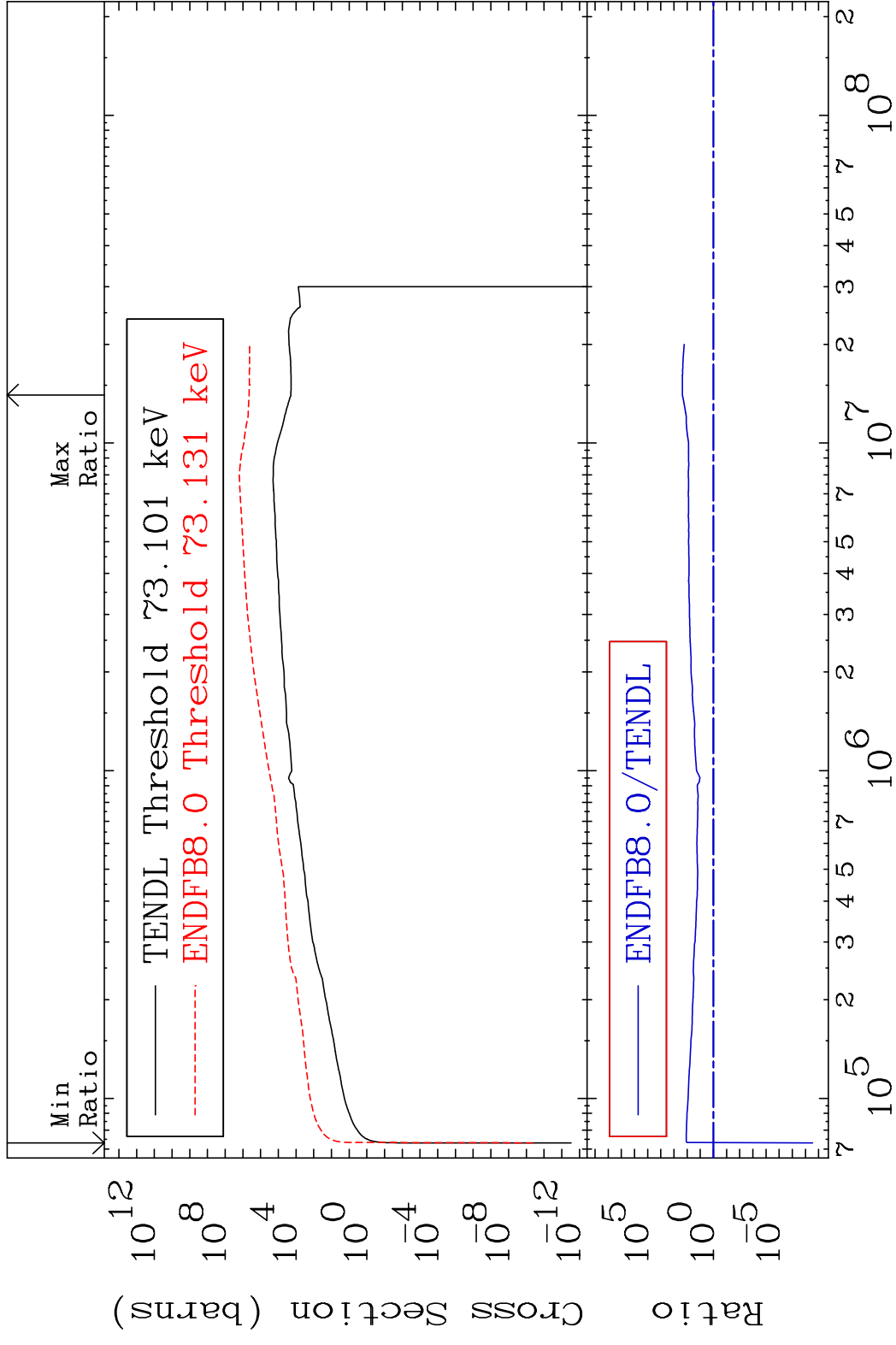


MAT 5725 Kerma non-elastic (all but mt2) 57-La-138
 Cross Section 1004. To 9999. %



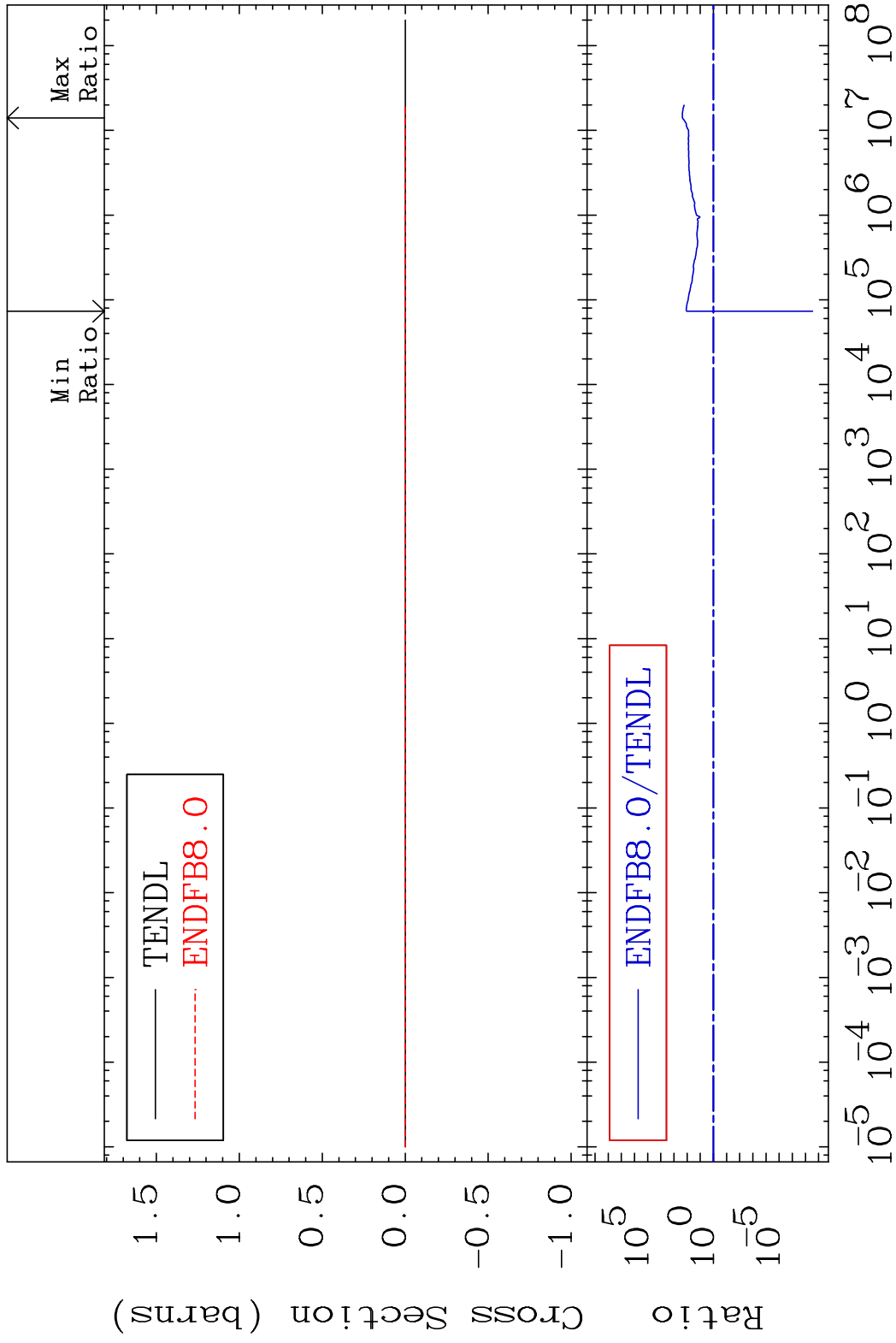
39 Incident Energy (eV) 57-La-138

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



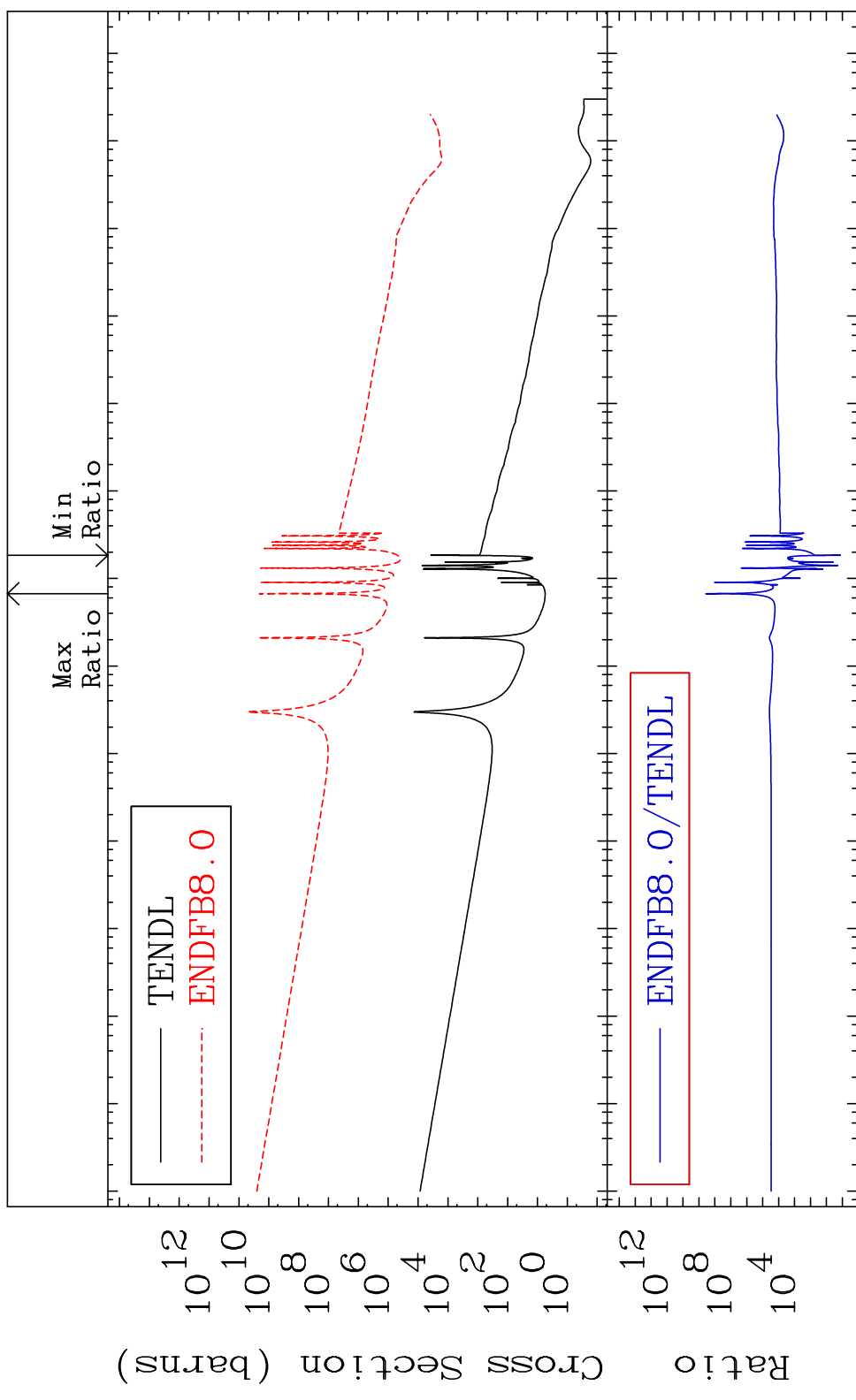
40 Incident Energy (eV) 57-La-138

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



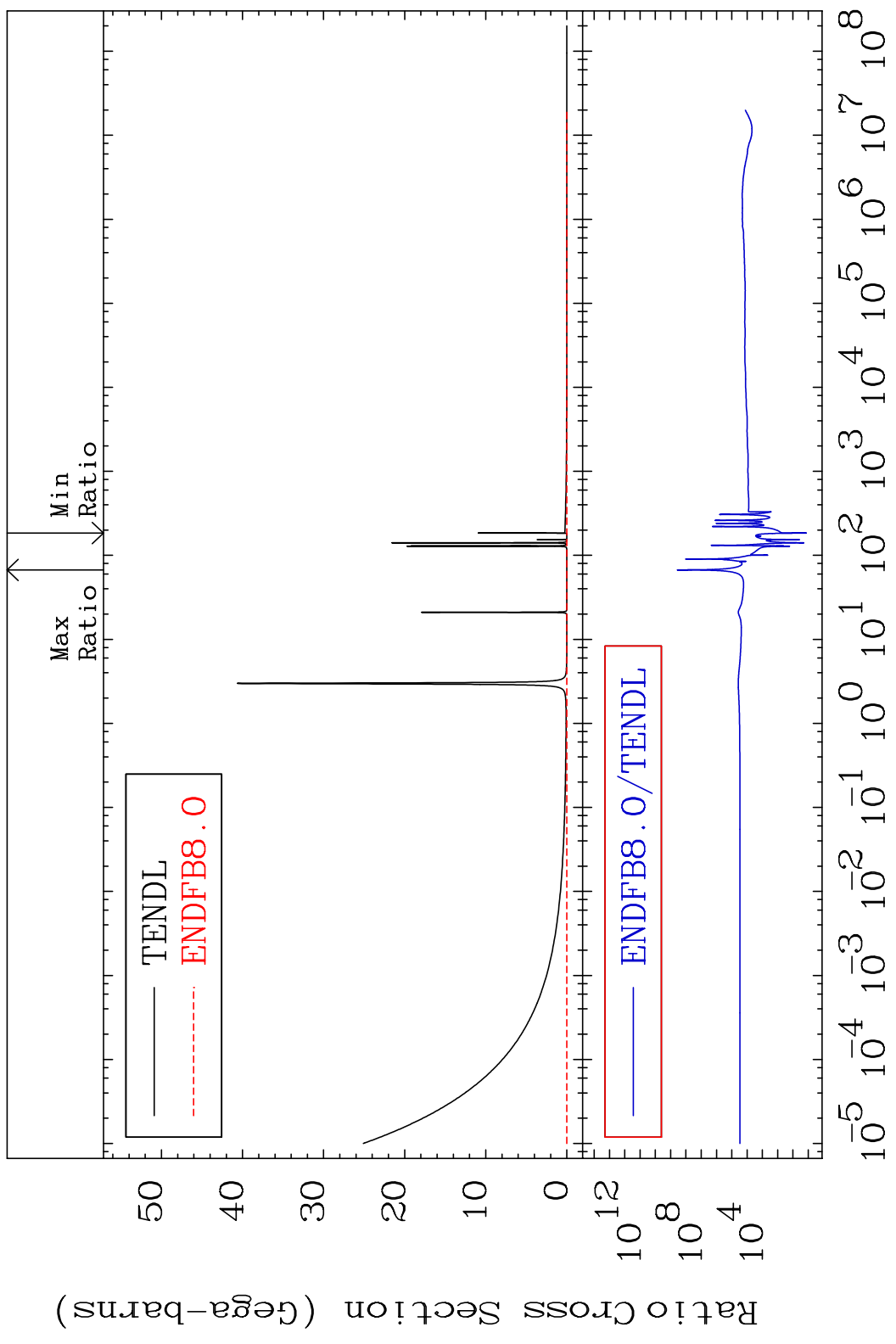
MAT 5725

Kerma capture (mt102) 57-La-138
Cross Section 1220. To 9999. %

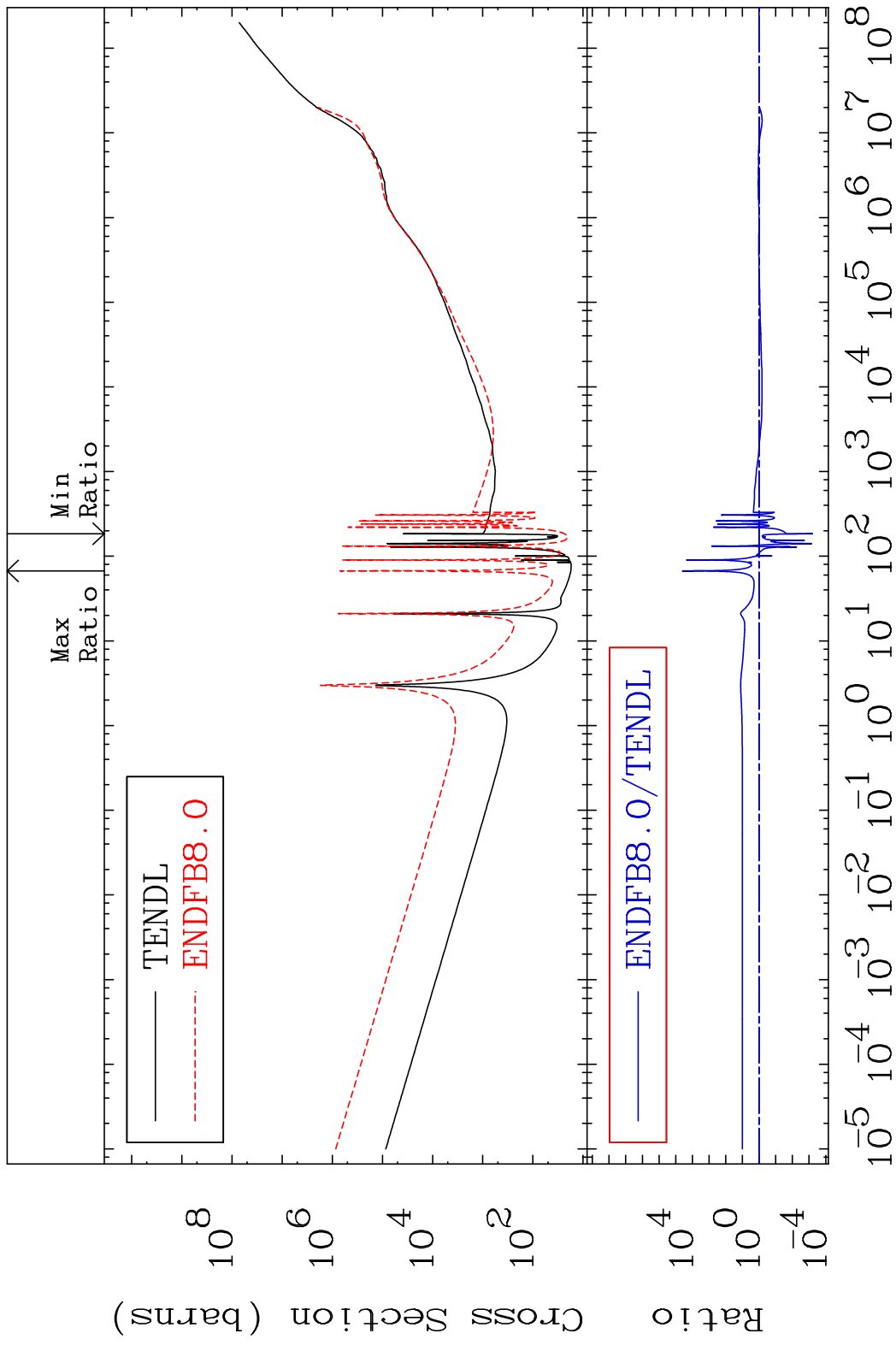


MAT 5725

Total photon (eV-barns) 57-La-138
Cross Section 1220. To 9999. %



MAT 5725 Total kinematic kerma (high limit) 57-La-138
 Cross Section -99.94 To 9999. %

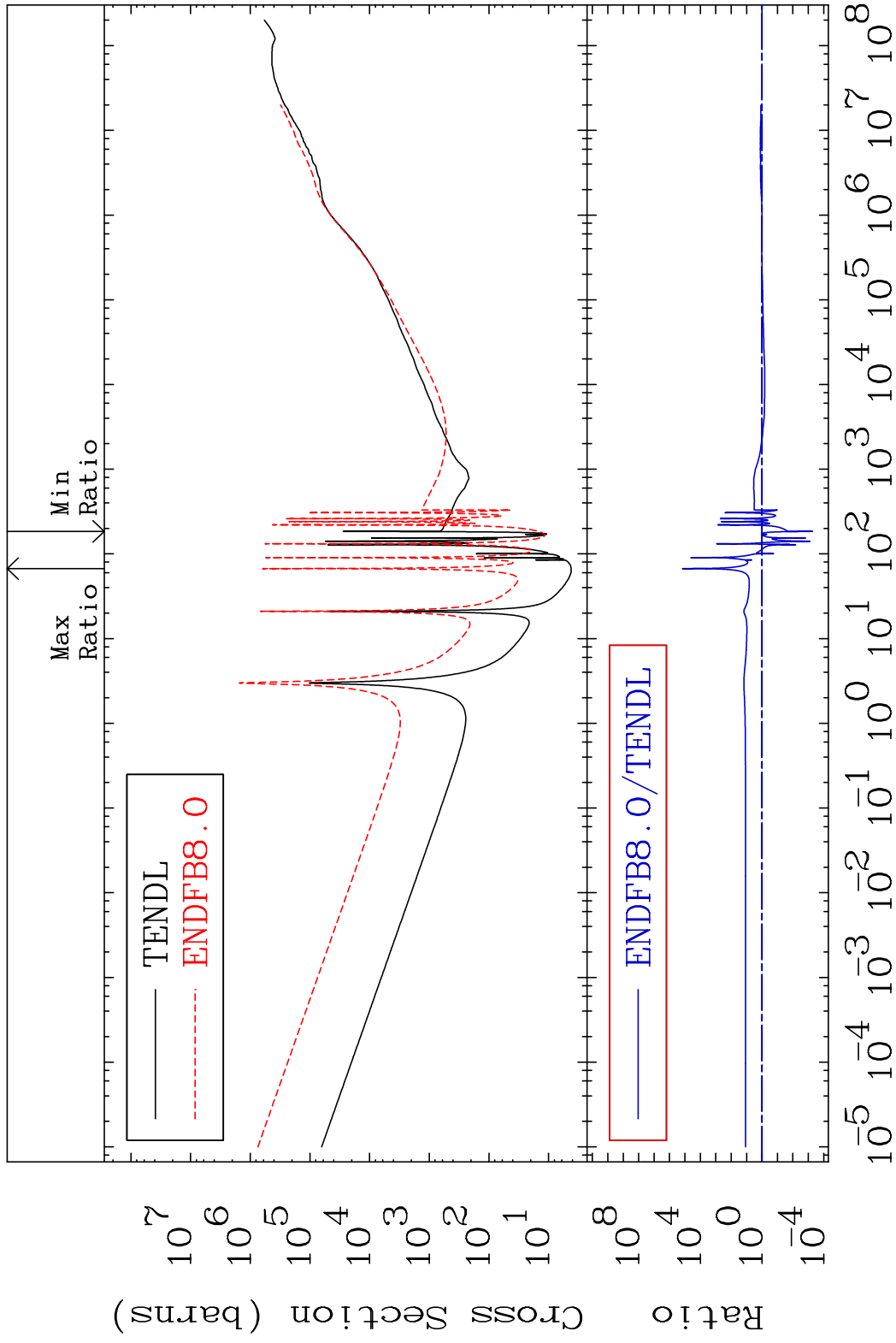


MAT 5725

Dpa total (eV-barns)

57-La-138

Cross Section -99.95 To 9999. %



45

Incident Energy (eV)

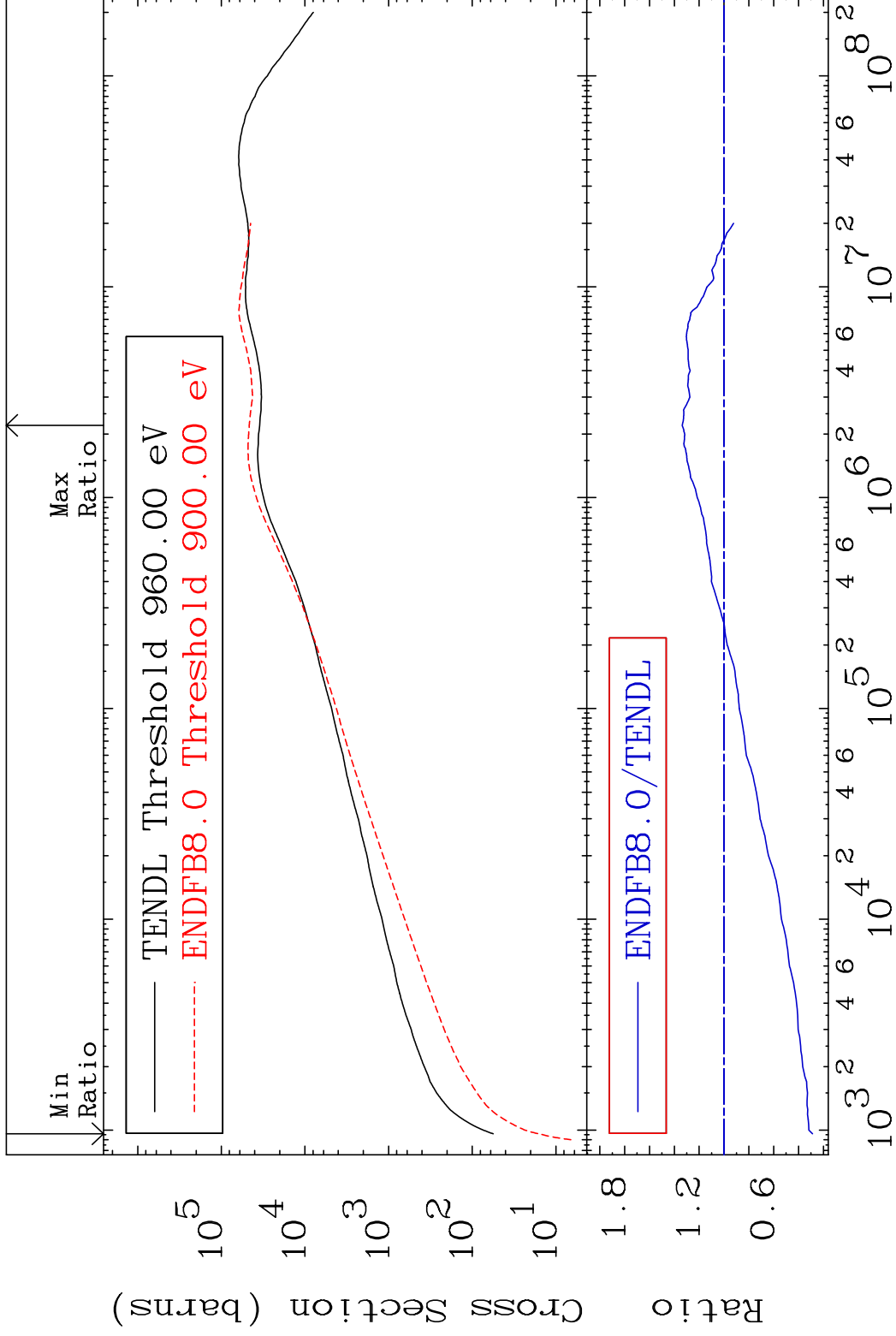
57-La-138

MAT 5725

Dpa elastic (mt2)

57-La-138

Cross Section -71.21 To 33.72 %



46

Incident Energy (eV)

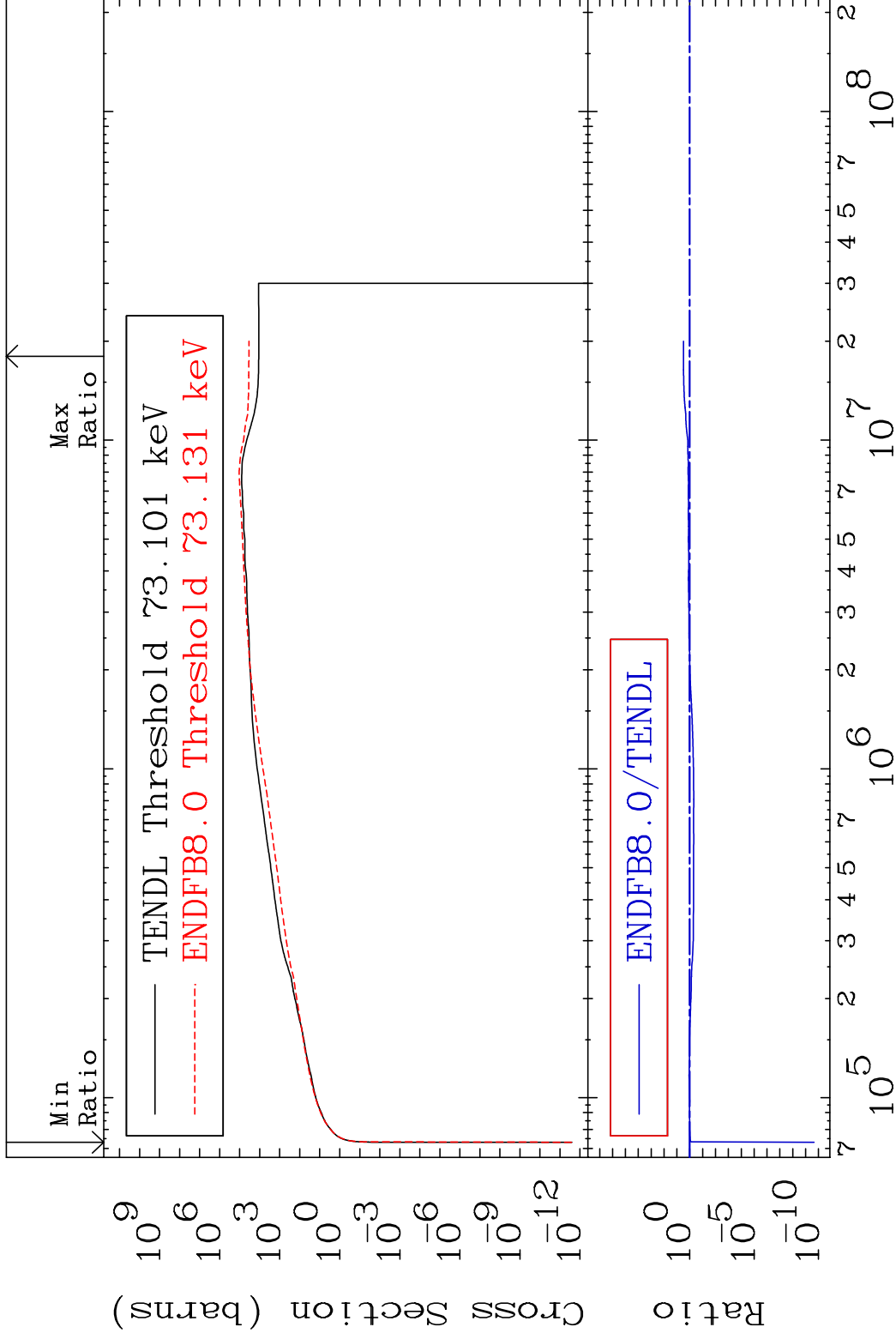
57-La-138

MAT 5725

Dpa inelastic (mt51-91)

57-La-138

Cross Section -100.0 To 209.7 %



47

Incident Energy (eV)

57-La-138

MAT 5725 Dpa disappearance (mt102 -120) 57-La-138
 Cross Section -99.95 To 9999. %

