

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

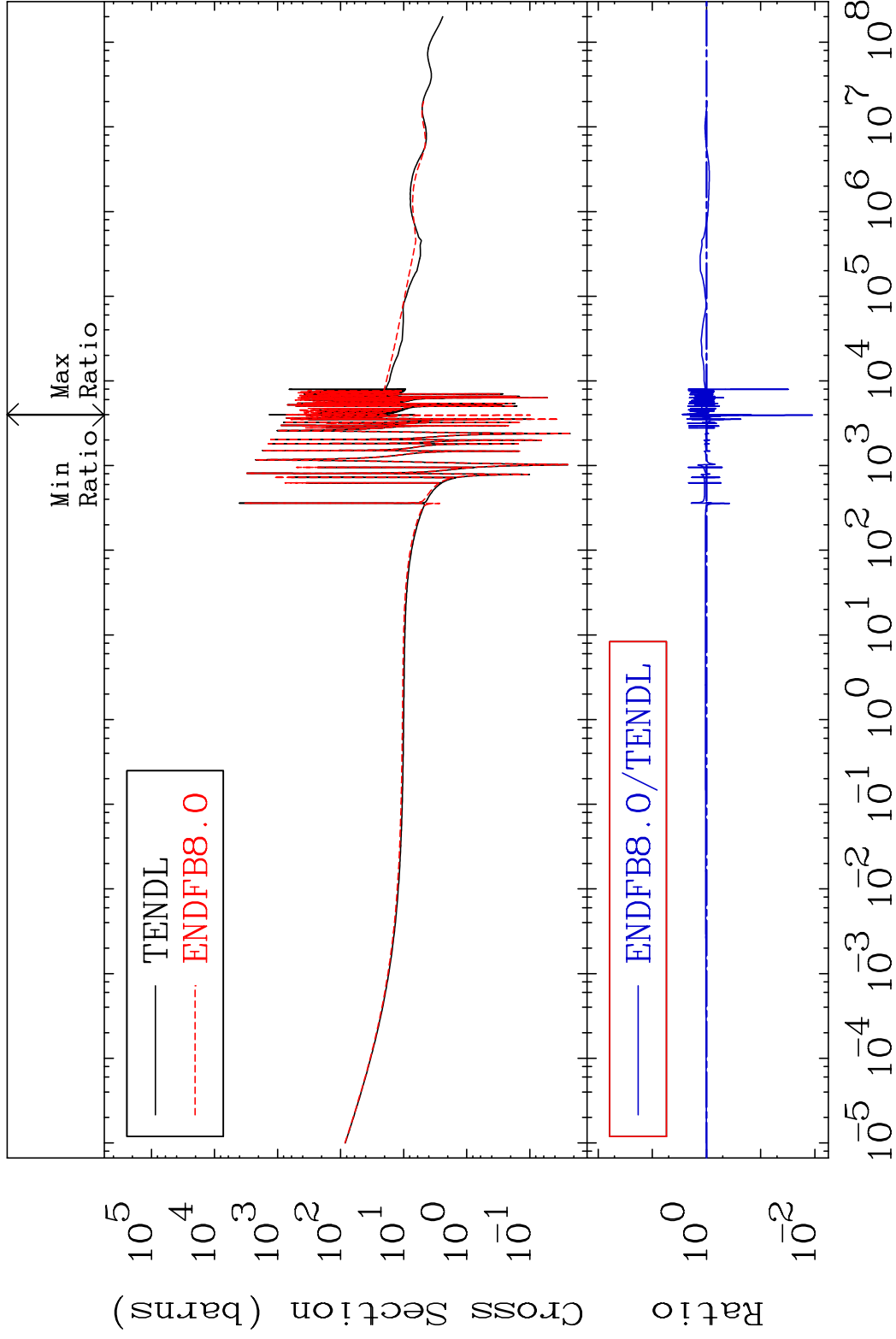
MAT 6037

Total

60-Nd-146

Cross Section

-98.90 To 179.2 %



1

Incident Energy (eV)

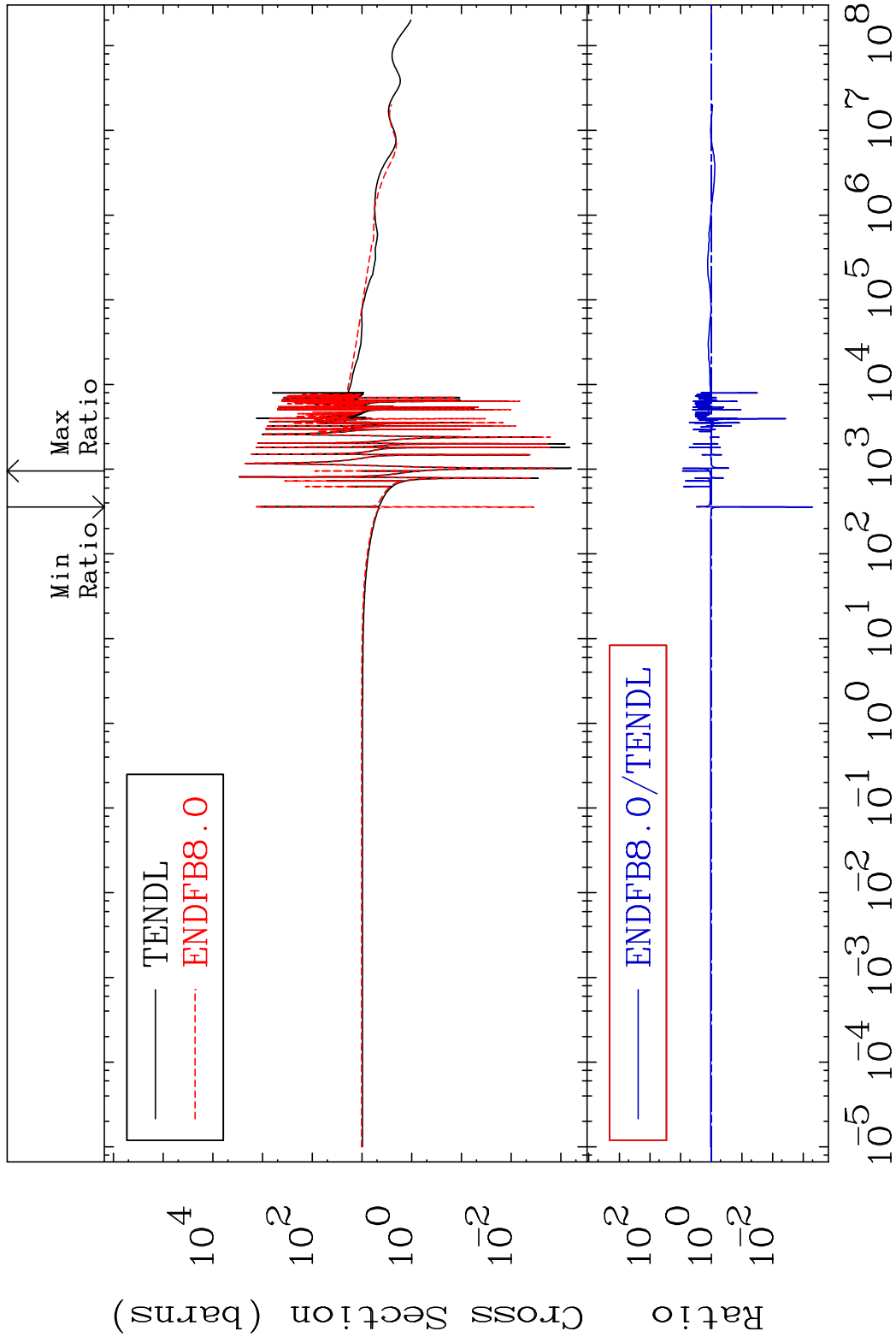
60-Nd-146

MAT 6037

Elastic

60-Nd-146

Cross Section -99.95 To 781.4 %

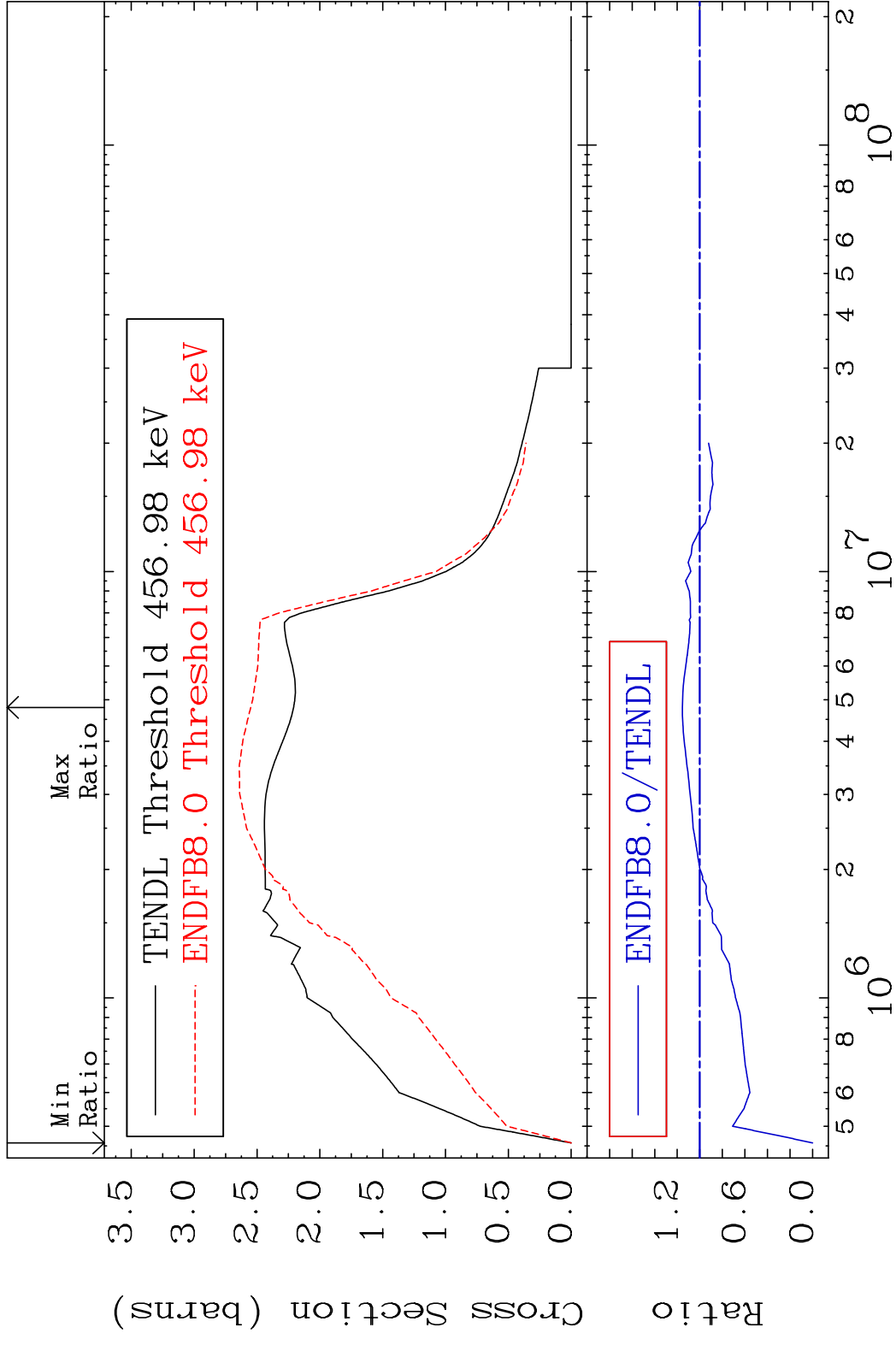


2

Incident Energy (eV)

60-Nd-146

MAT 6037 Inelastic 60-Nd-146
 Cross Section -100.0 To 15.46 %

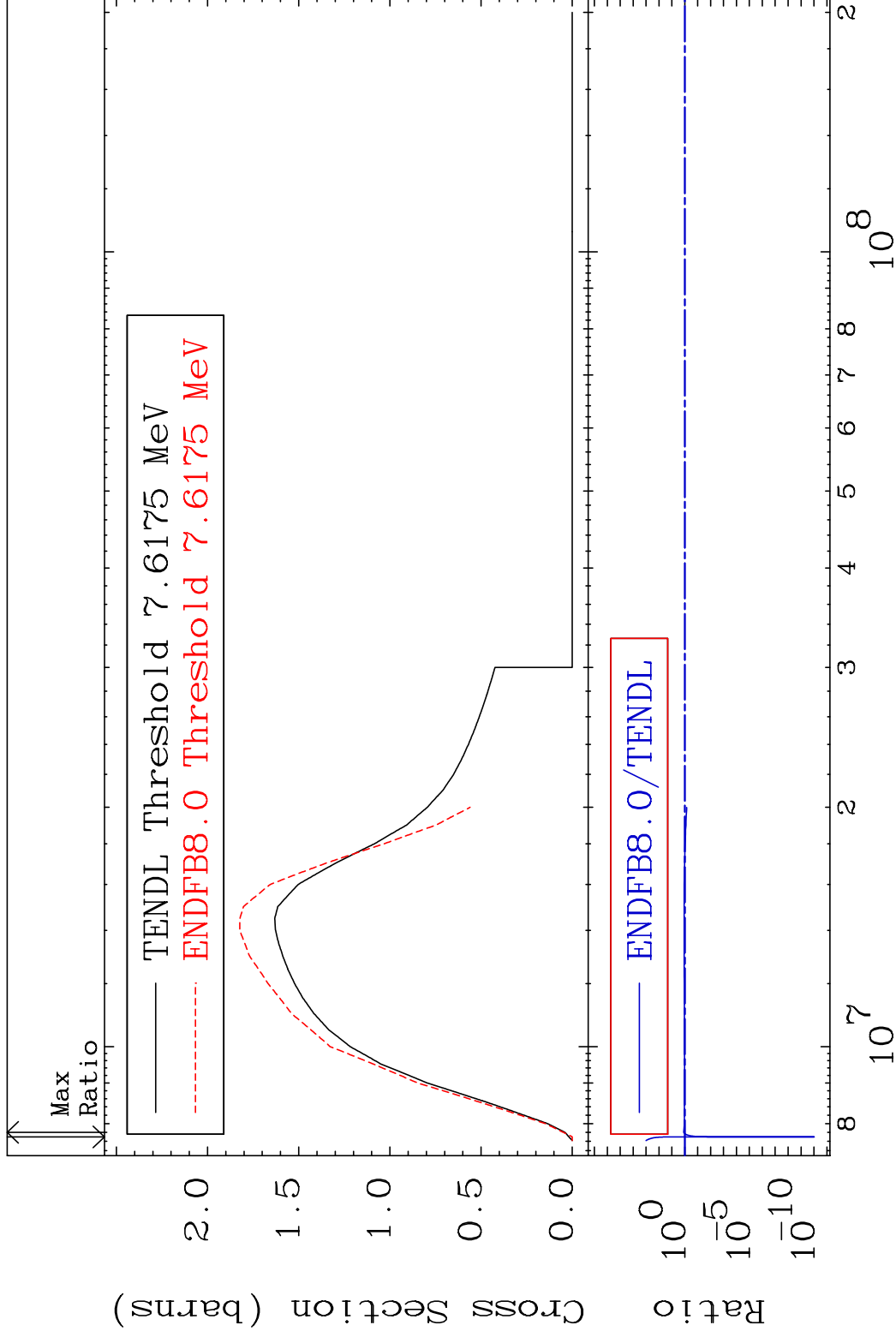


MAT 6037

(n,2n)

60-Nd-146

Cross Section -100.0 To 22.14 %



4

Incident Energy (eV)

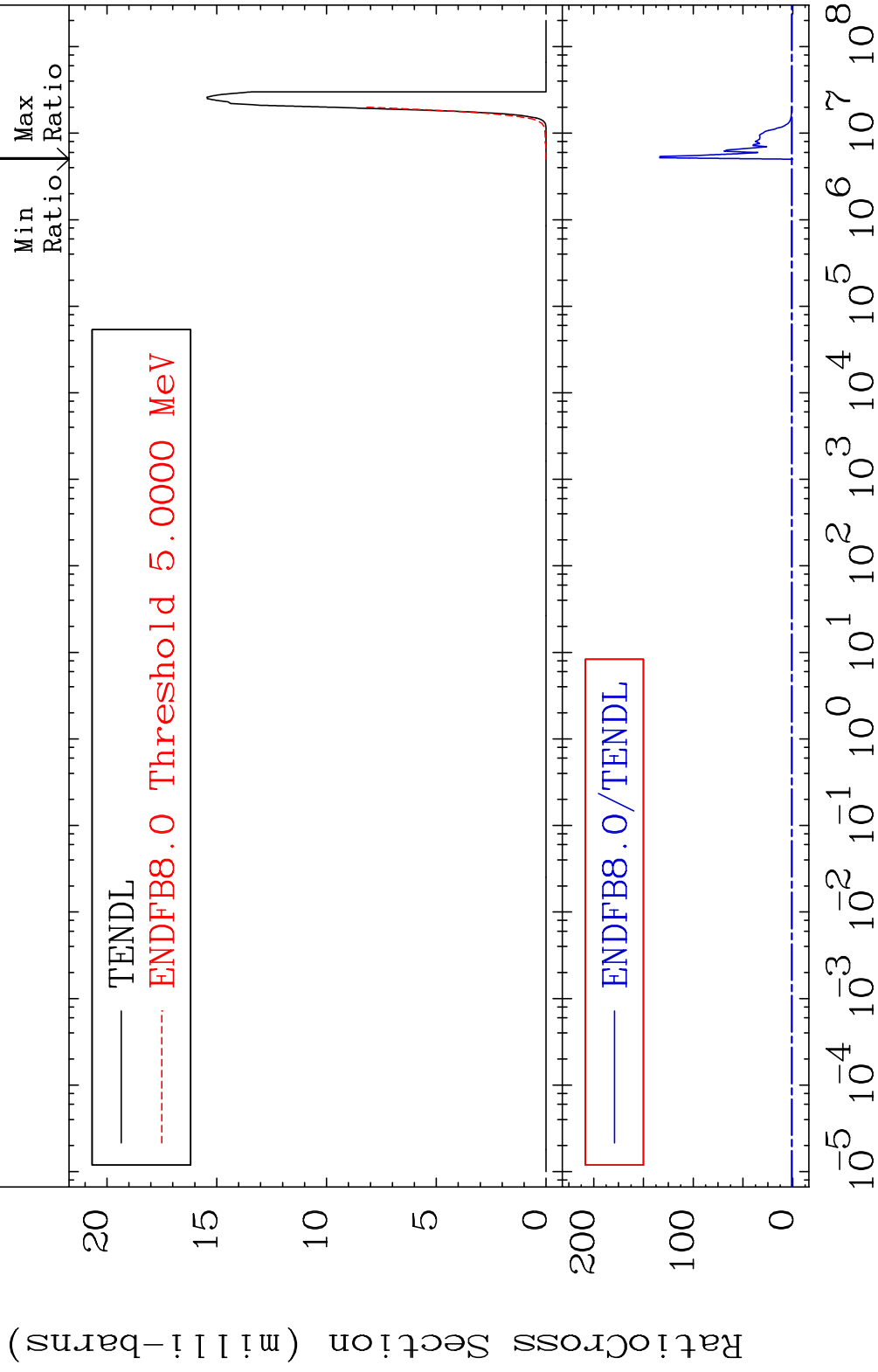
60-Nd-146

MAT 6037

(n, n') α

60-Nd-146

Cross Section -100.0 To 9999. %

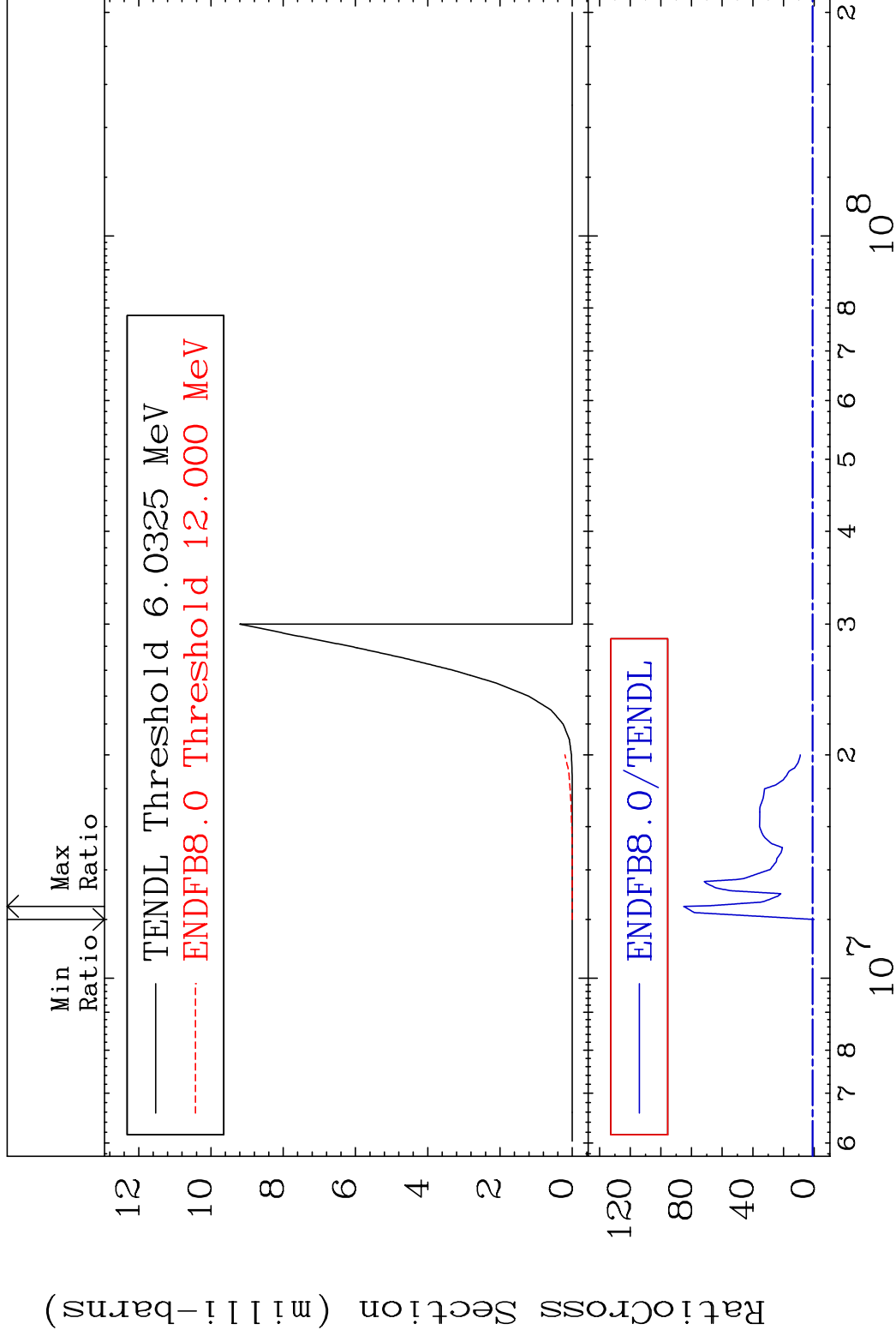


MAT 6037

(n,2n) α

60-Nd-146

Cross Section -100.0 To 8414. %



7

Incident Energy (eV)

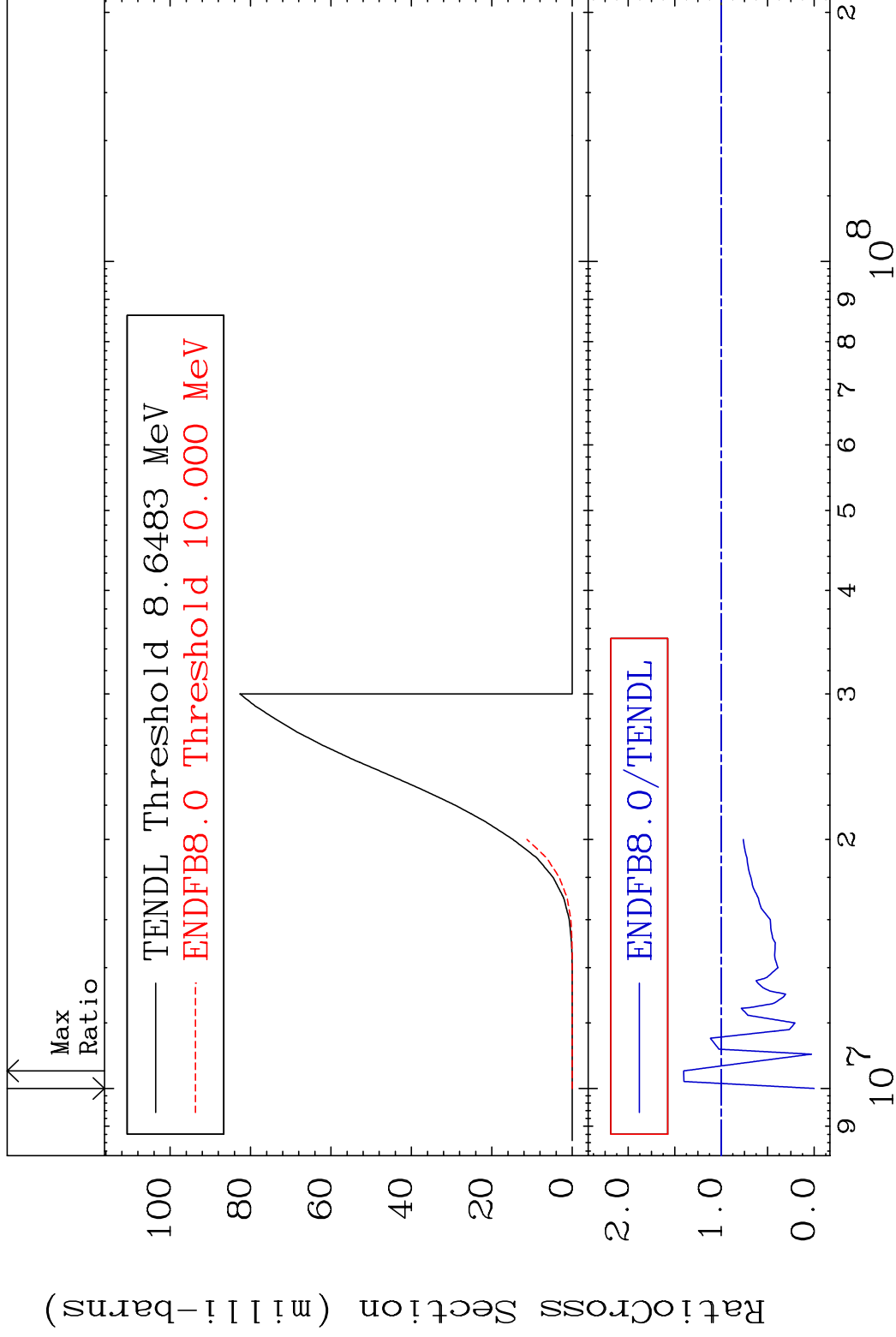
60-Nd-146

MAT 6037

(n, n') p

60-Nd-146

Cross Section -100.0 To 40.38 %



8

Incident Energy (eV)

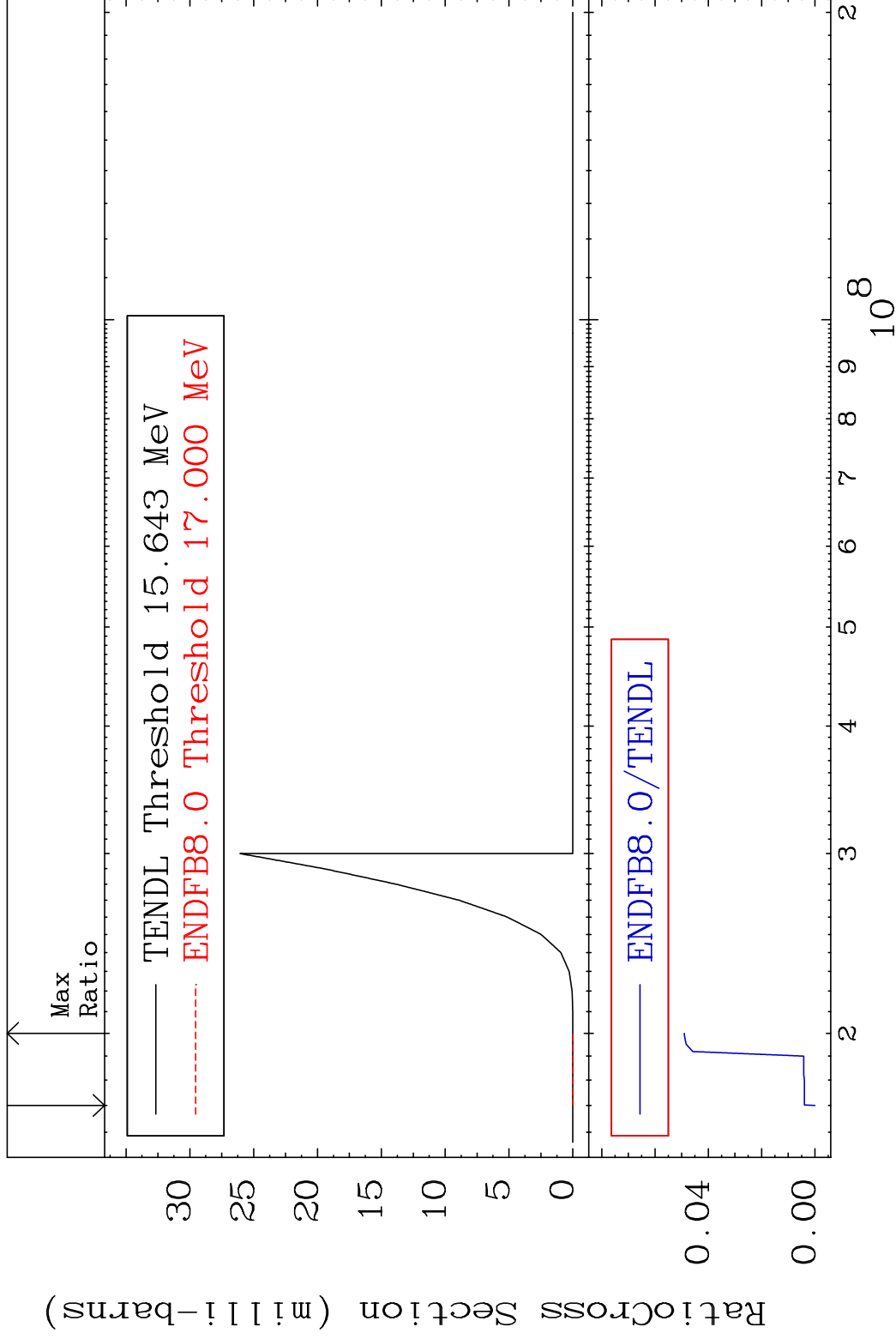
60-Nd-146

MAT 6037

(n,2n) p

60-Nd-146

Cross Section -100.0 To -95.10%

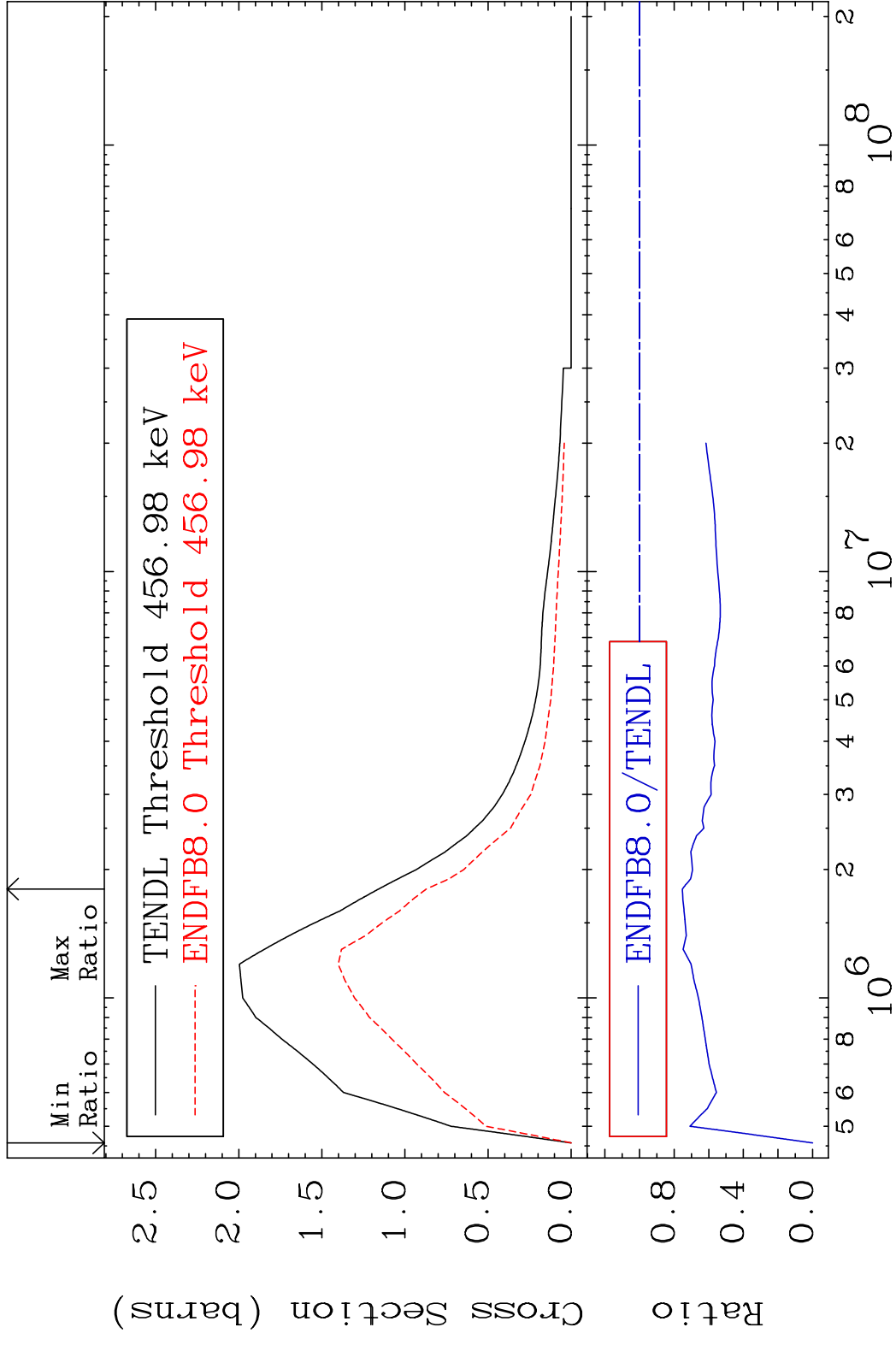


9

Incident Energy (eV)

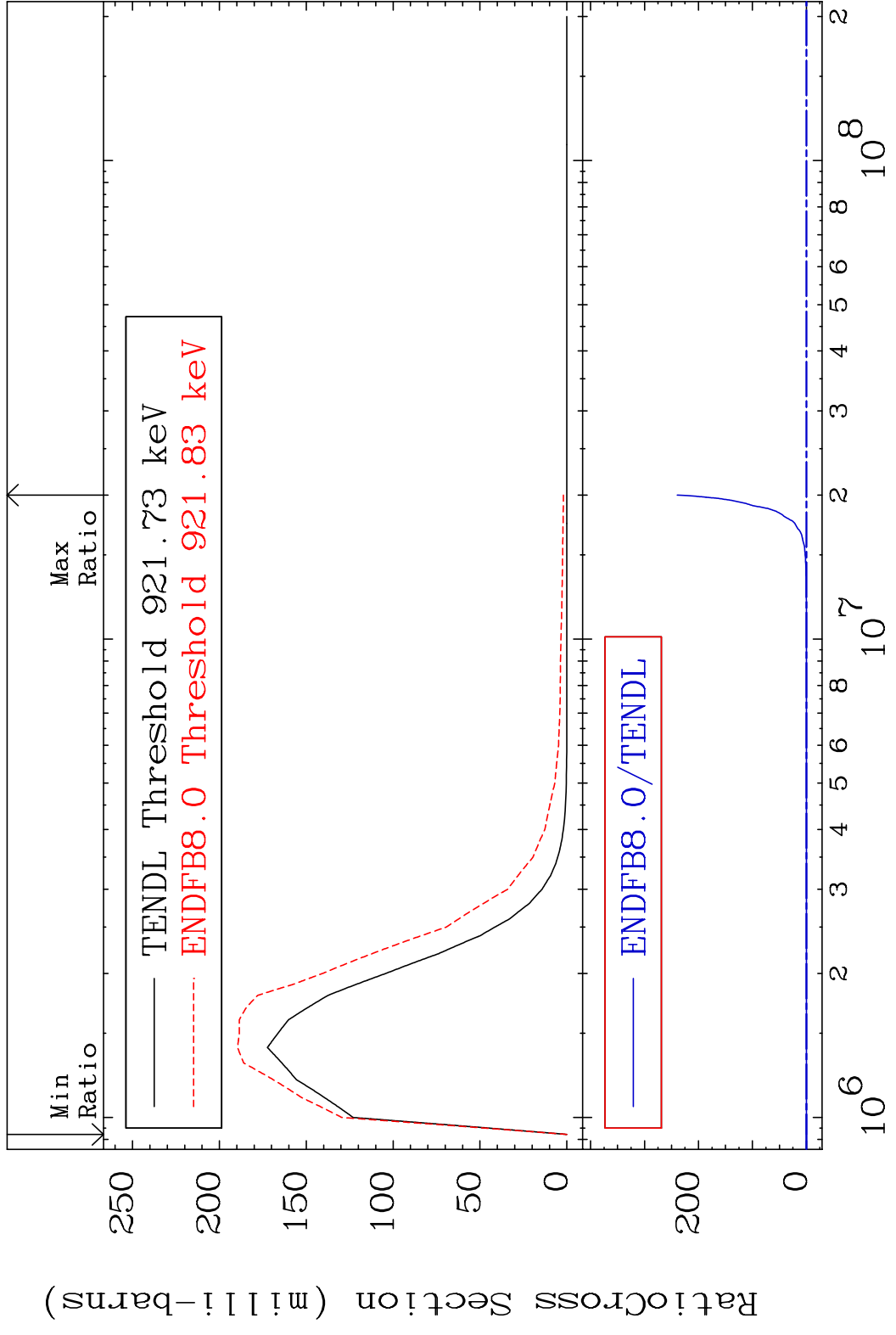
60-Nd-146

MAT 6037 MT= 51 (n,n') Level 60-Nd-146
 Cross Section -100.0 To -24.75%



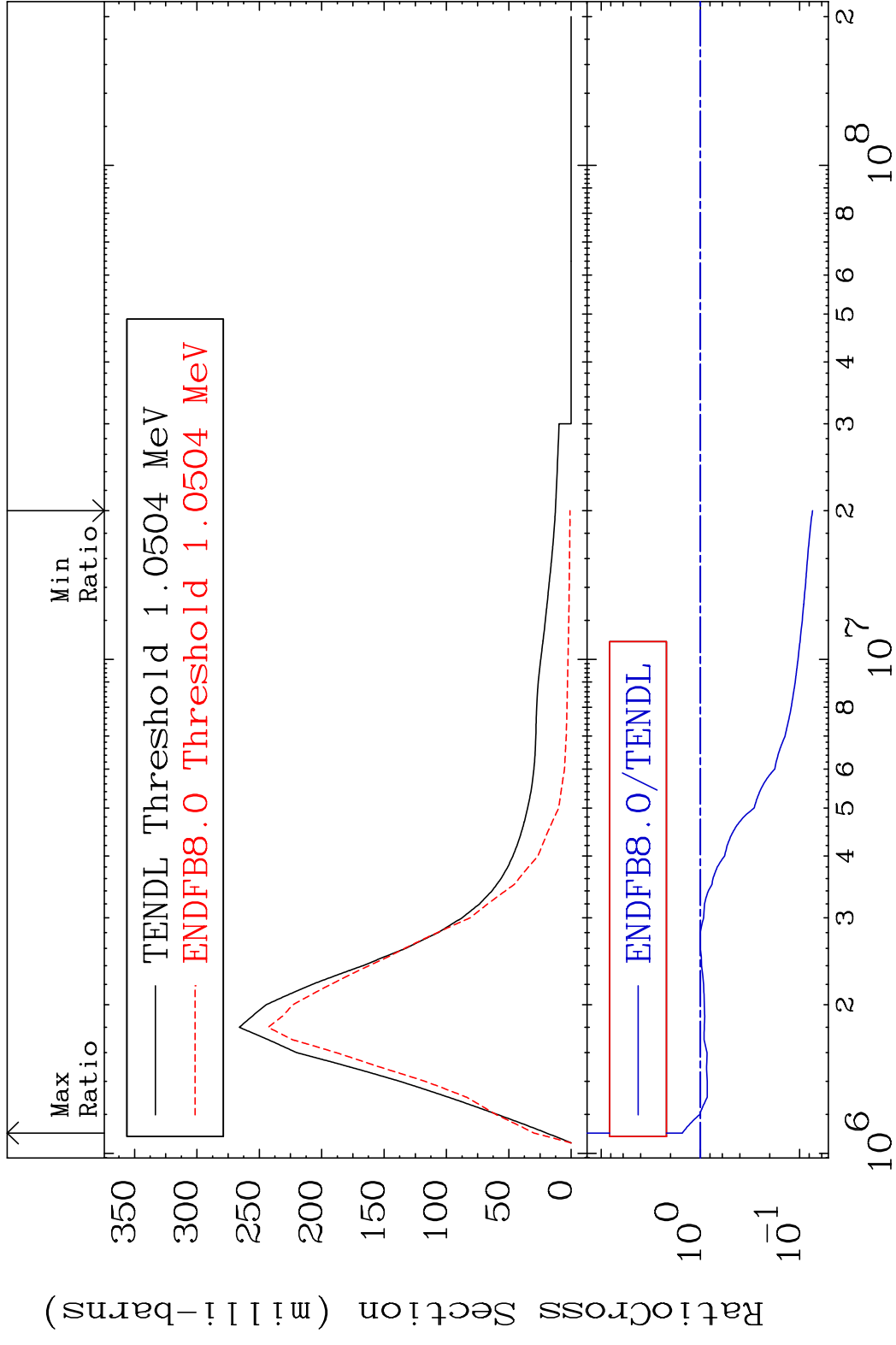
10 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 52 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 9999. %



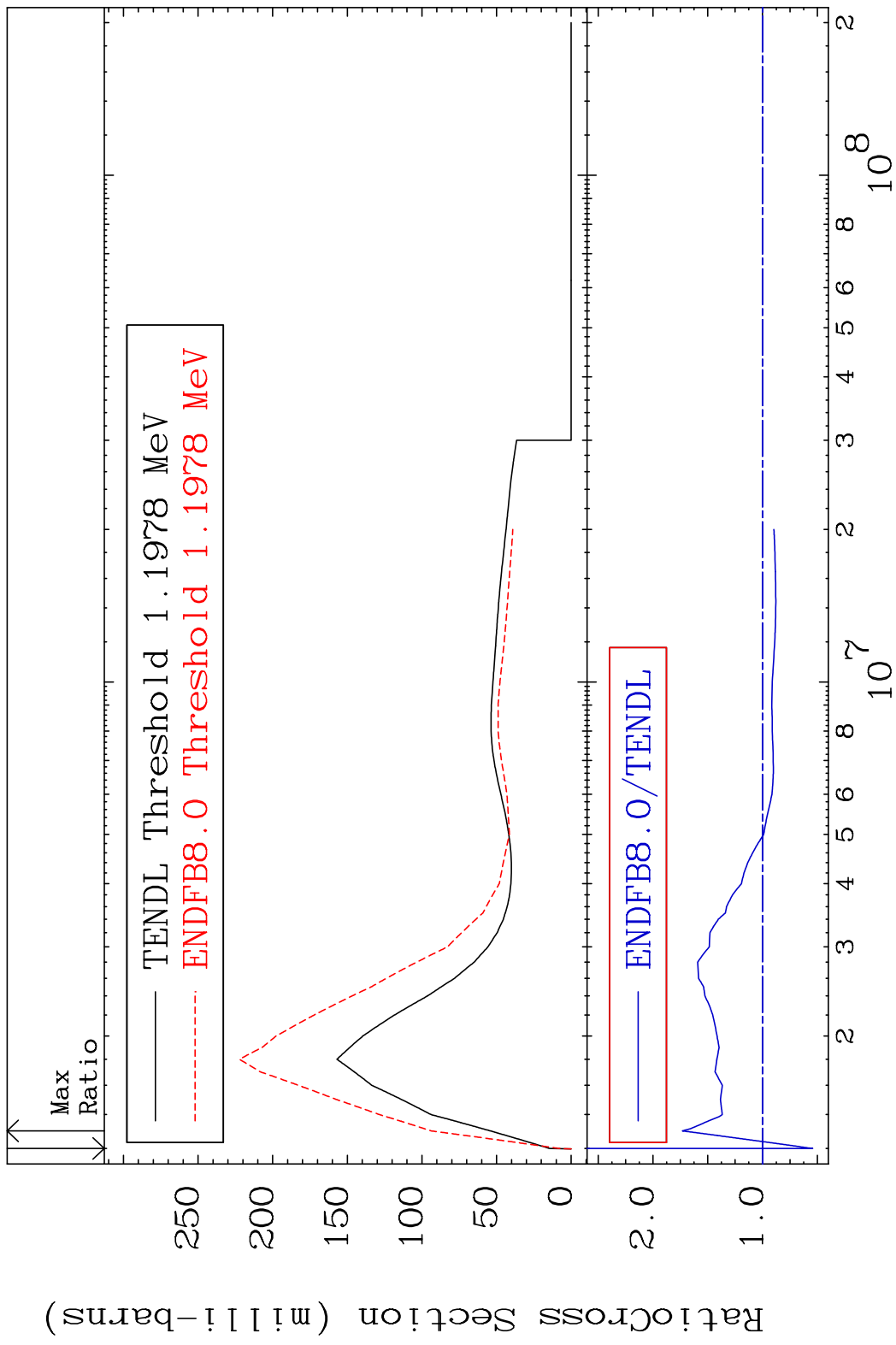
11 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 53 (n, n') Level 60-Nd-146
 Cross Section -92.59 To 51.89 %

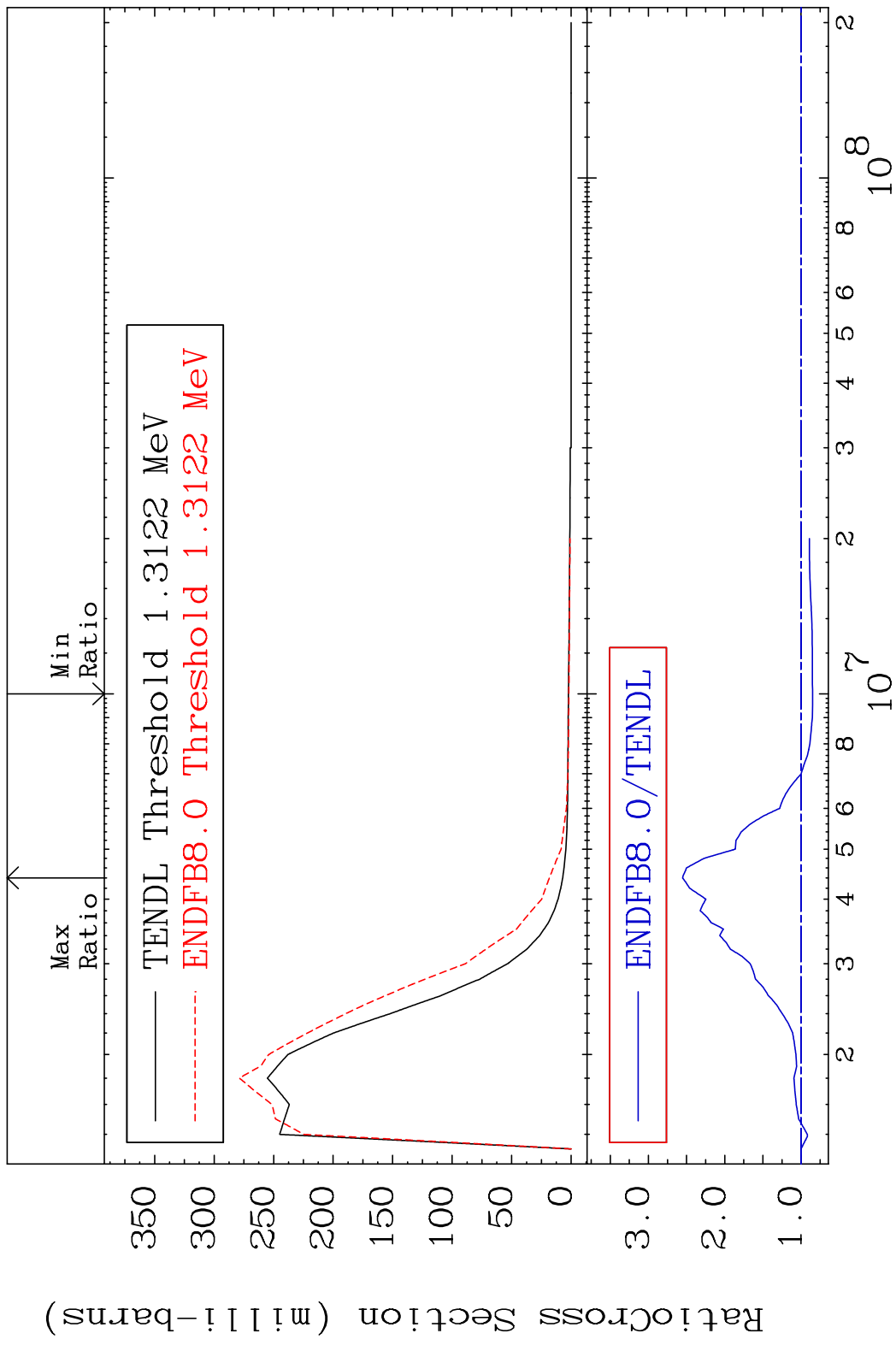


12 Incident Energy (eV) 60-Nd-146

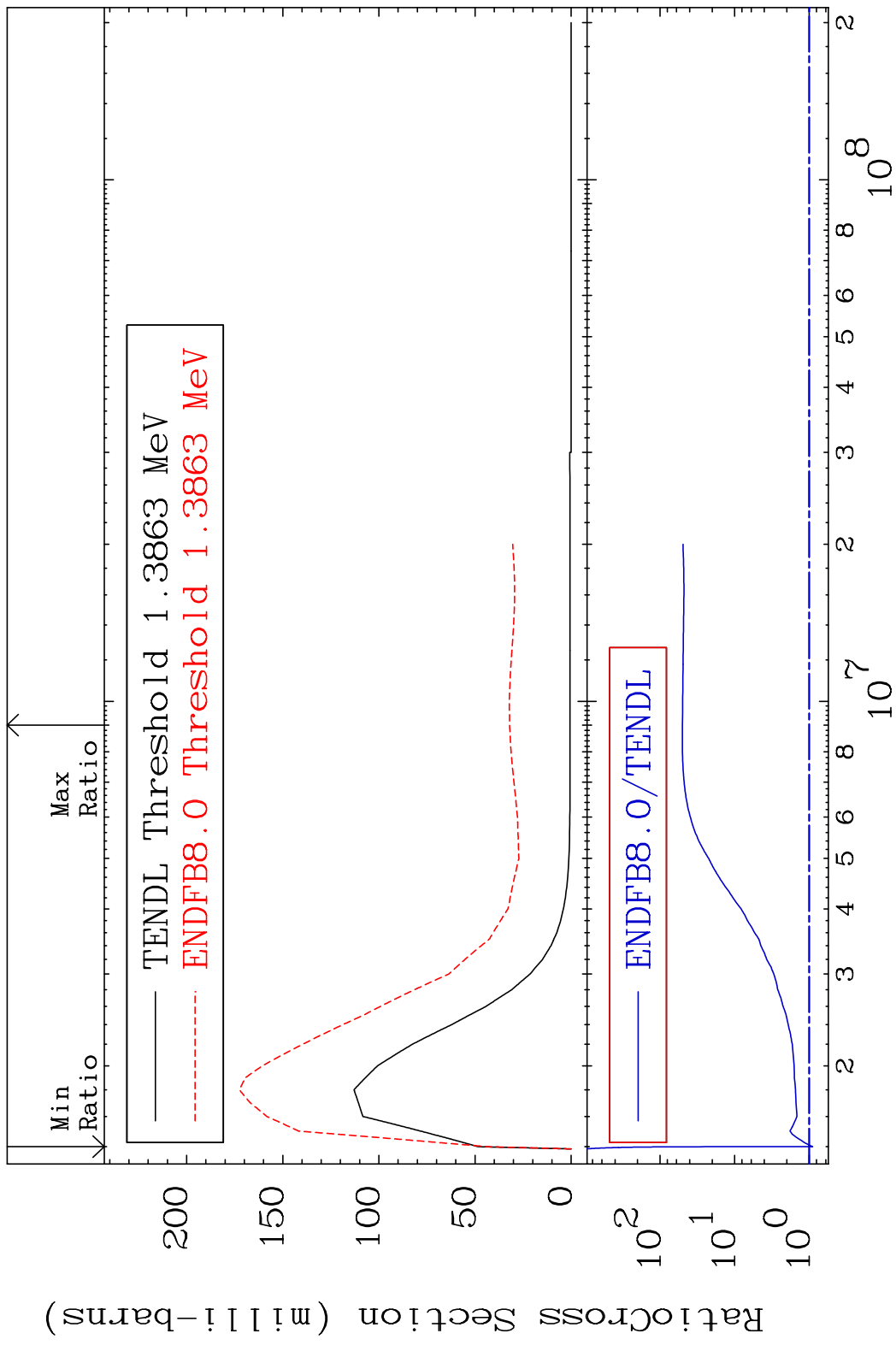
MAT 6037 MT= 54 (n, n') Level 60-Nd-146
 Cross Section -45.66 To 73.19 %



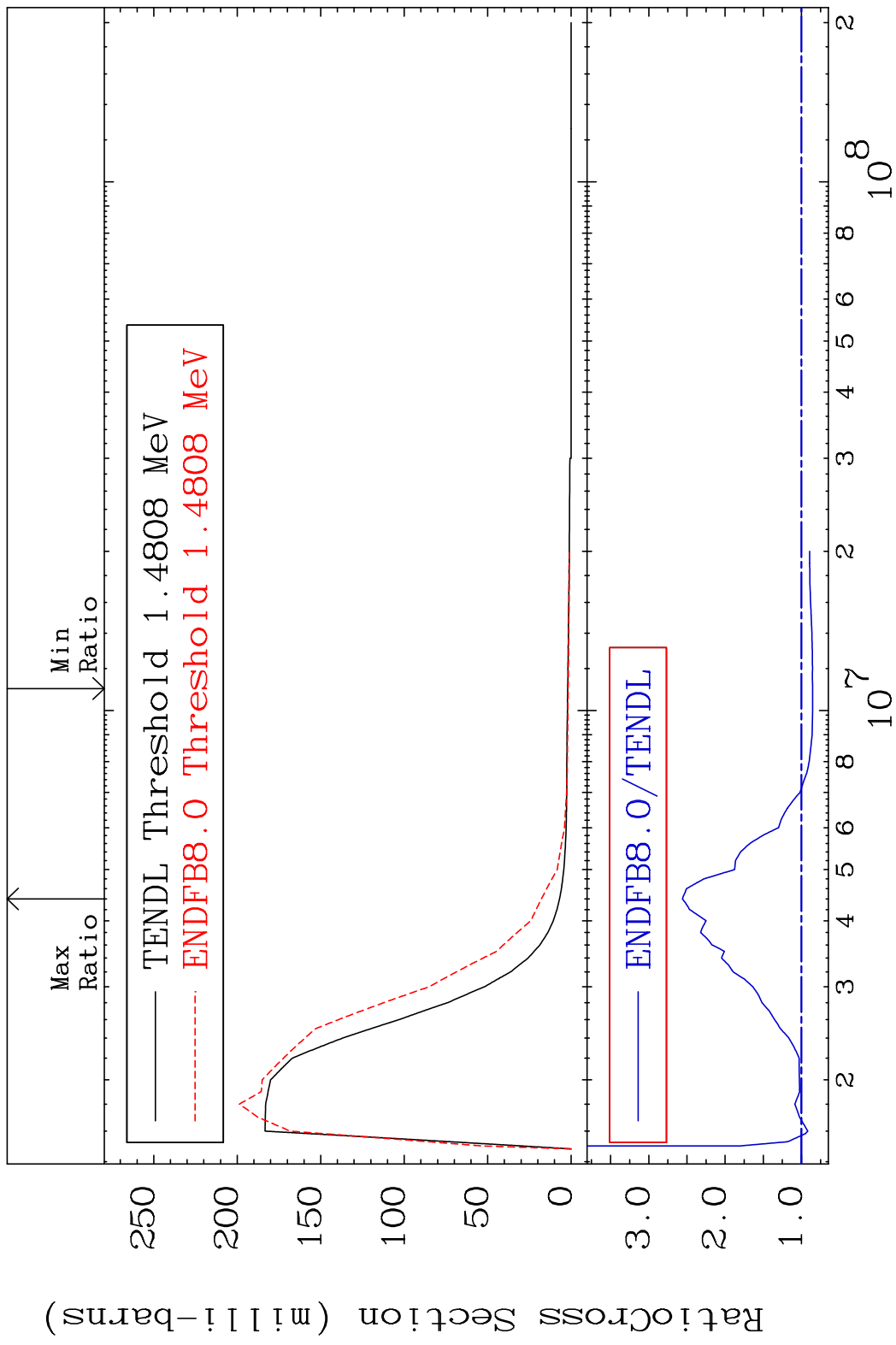
MAT 6037 MT= 55 (n,n') Level 60-Nd-146
 Cross Section -15.13 To 155.5 %



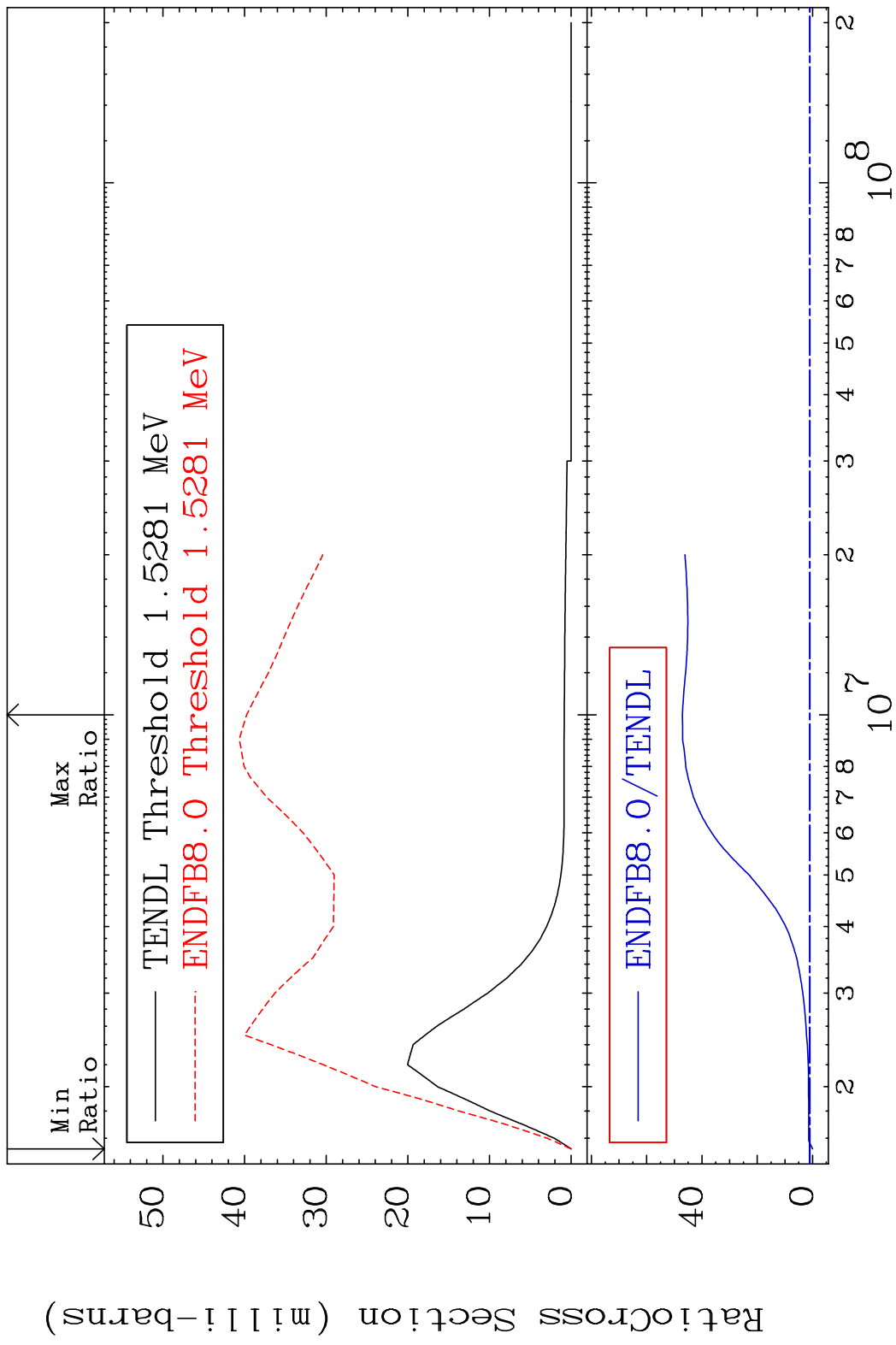
MAT 6037 MT= 56 (n,n') Level 60-Nd-146
 Cross Section -9.771 To 4919. %



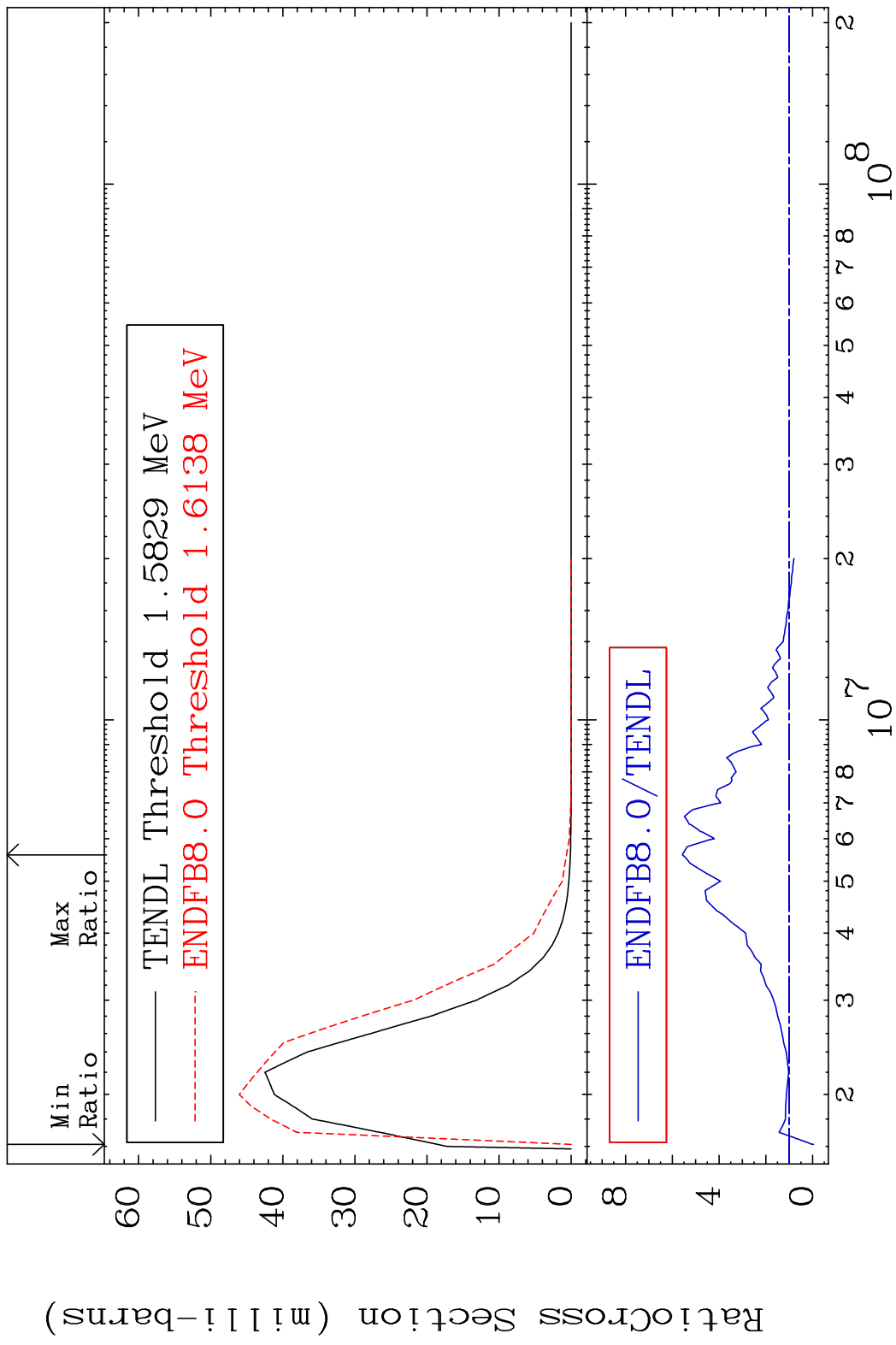
MAT 6037 MT= 57 (n, n') Level 60-Nd-146
 Cross Section -14.52 To 156.0 %



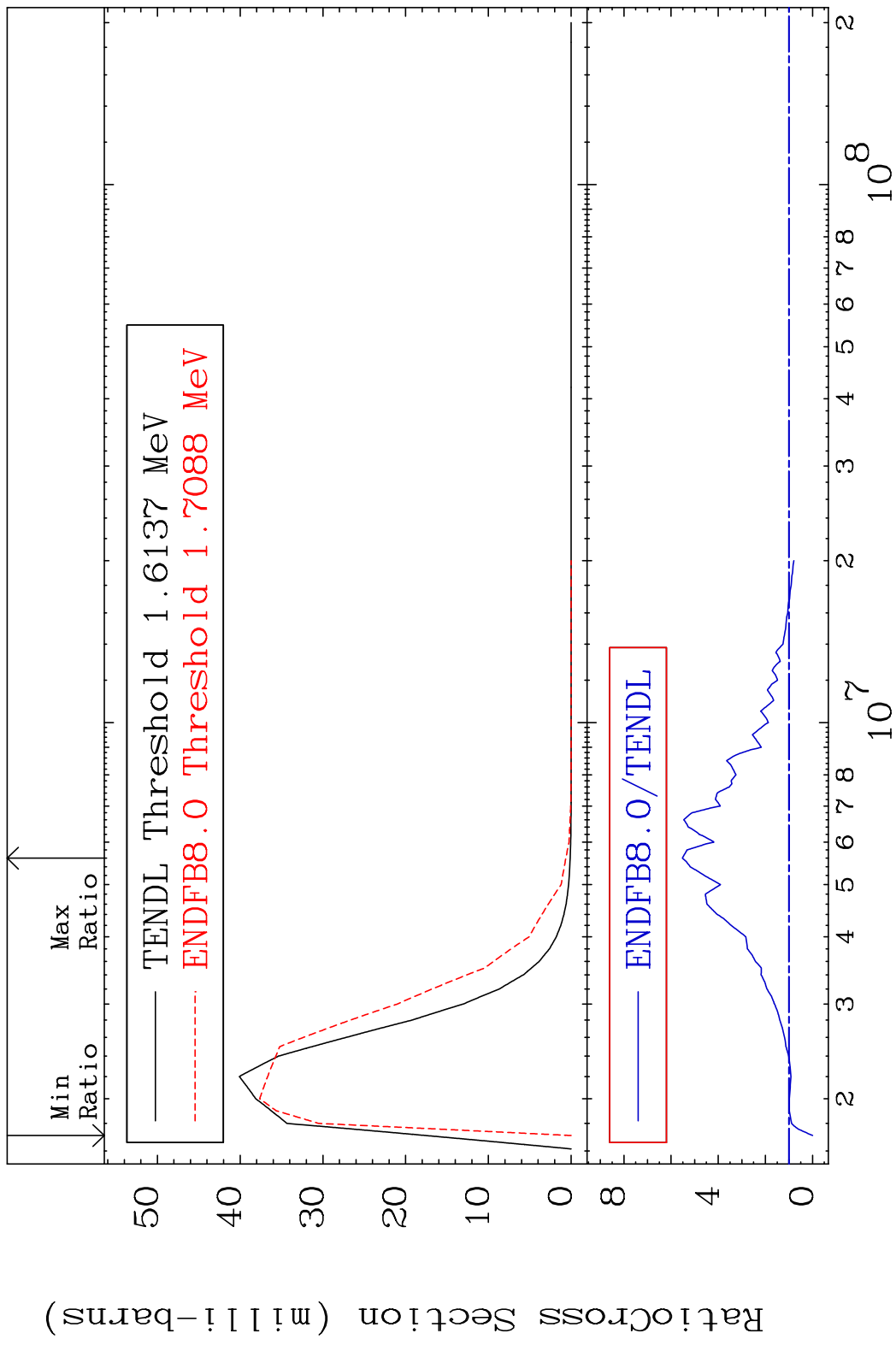
MAT 6037 MT= 58 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 4610. %



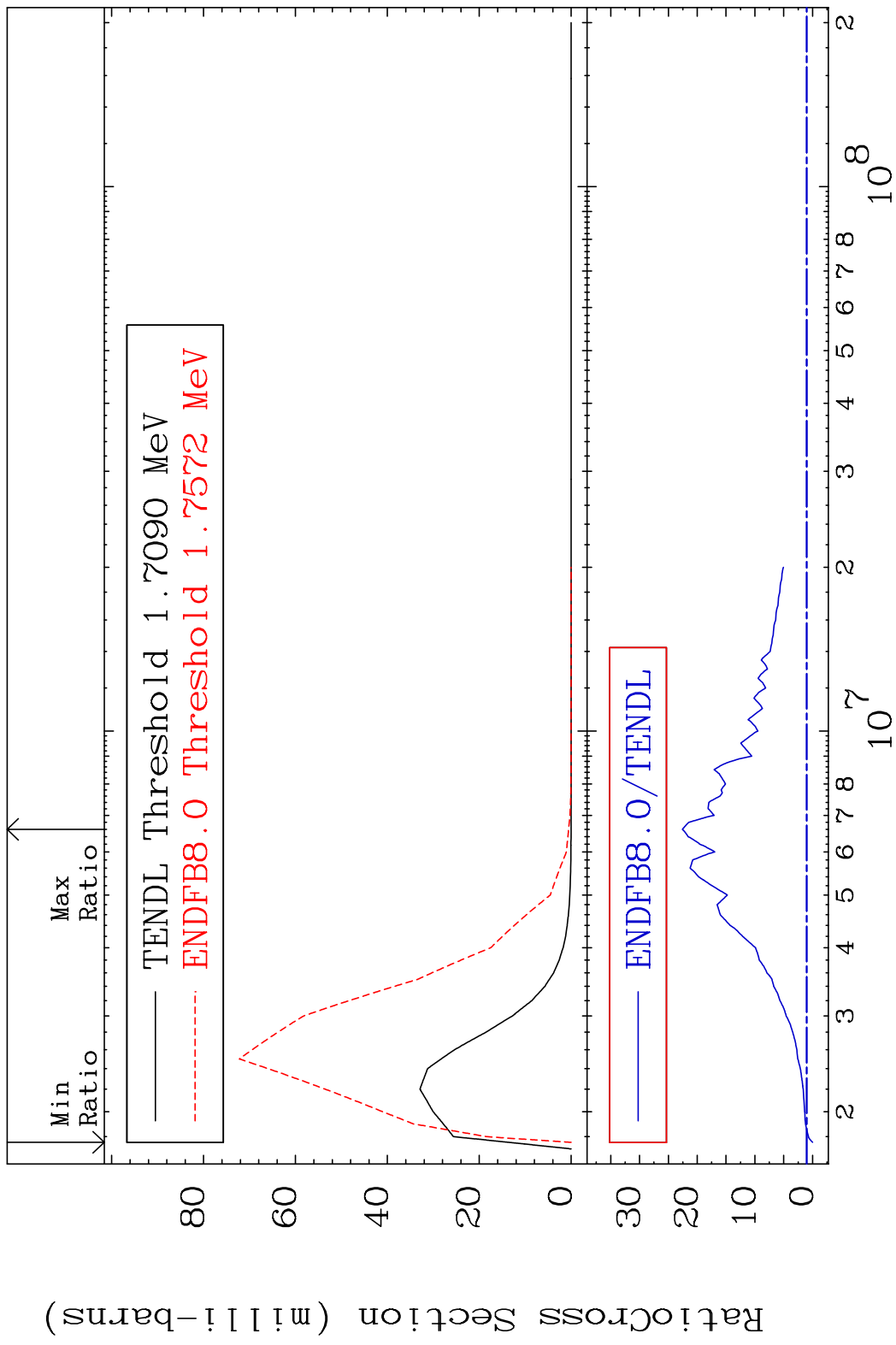
MAT 6037 MT= 59 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 456.9 %



MAT 6037 MT= 60 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 452.2 %

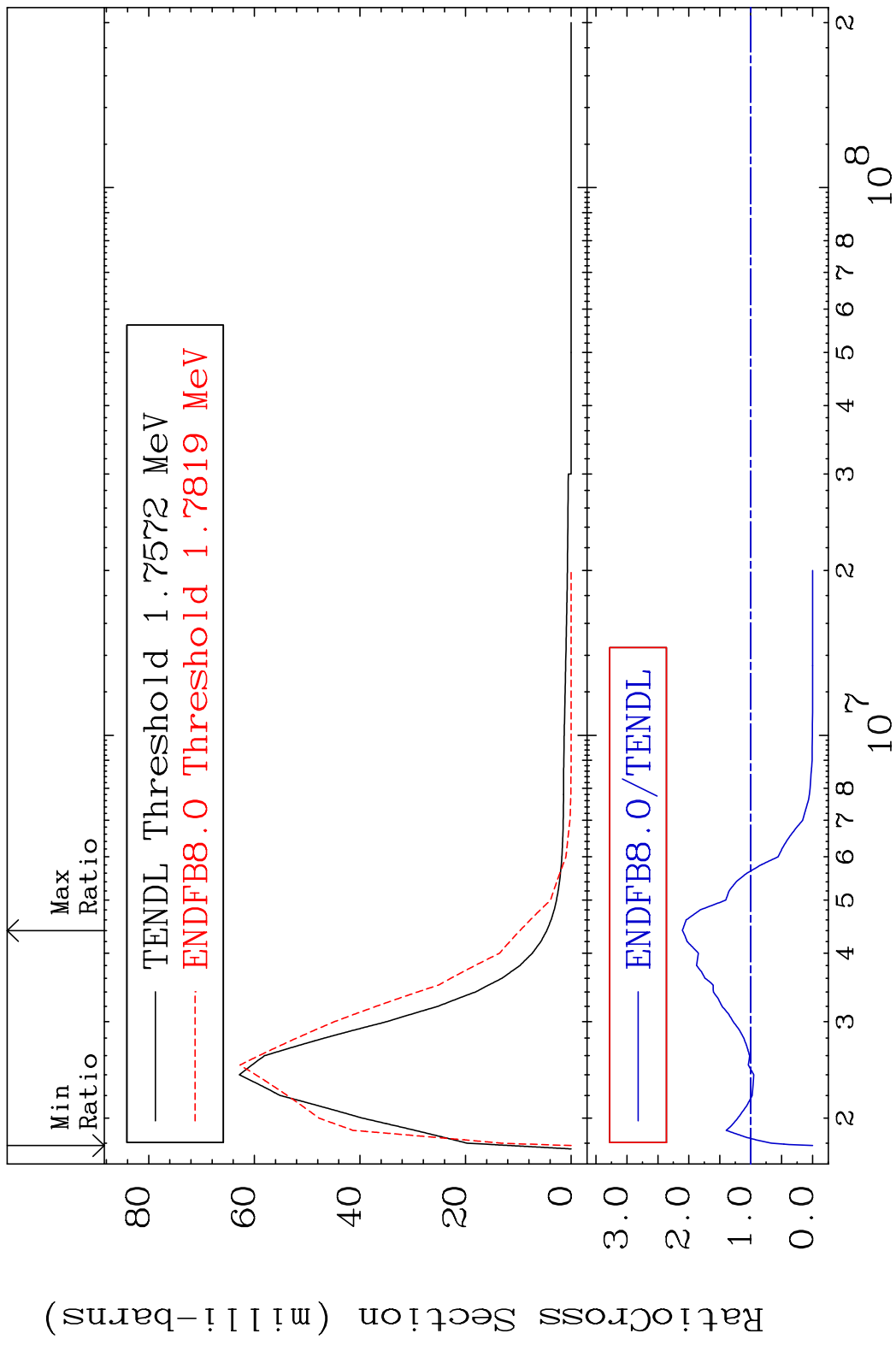


MAT 6037 MT= 61 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 2158. %

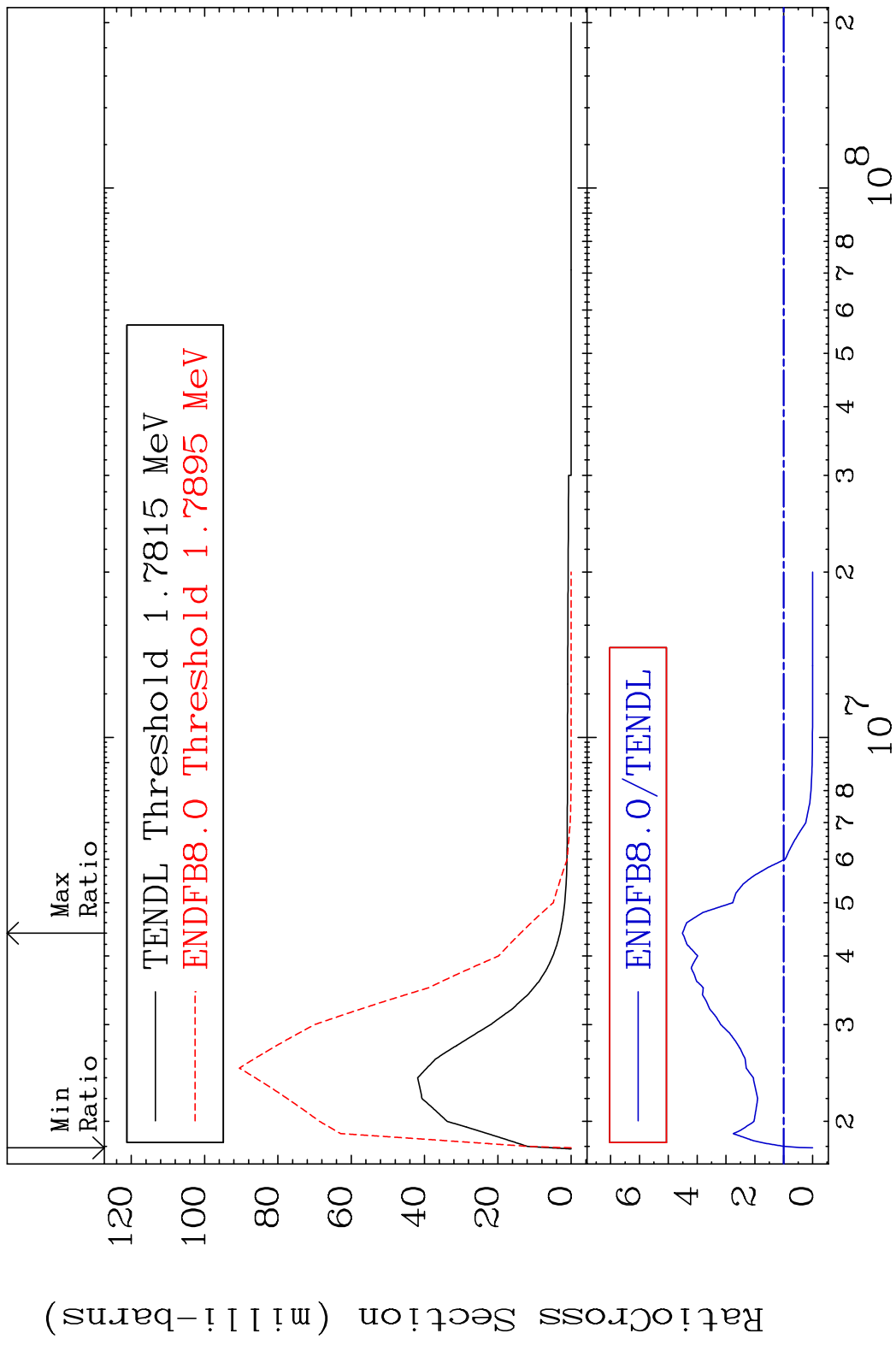


20 Incident Energy (eV) 60-Nd-146

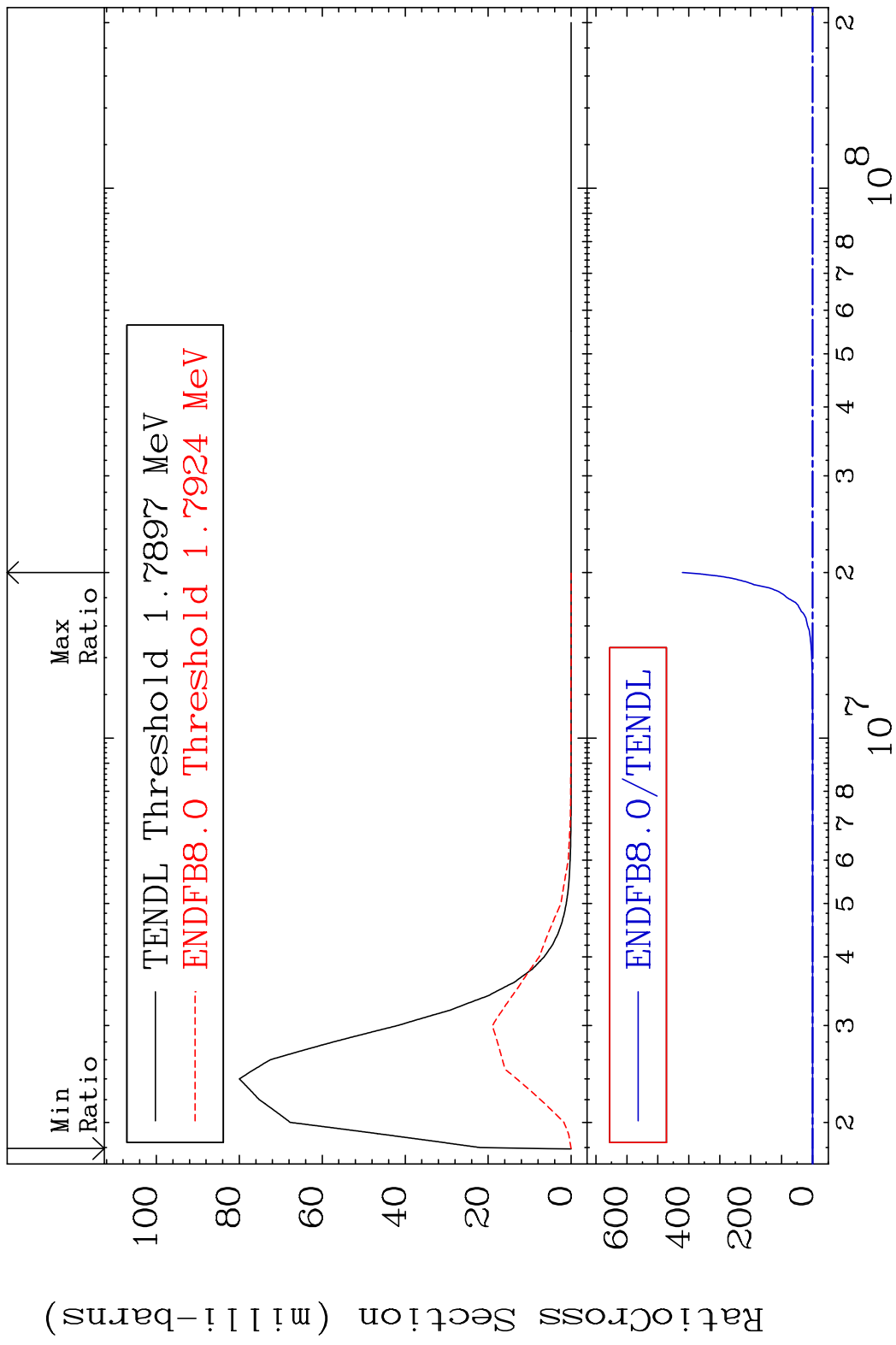
MAT 6037 MT= 62 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 110.4 %



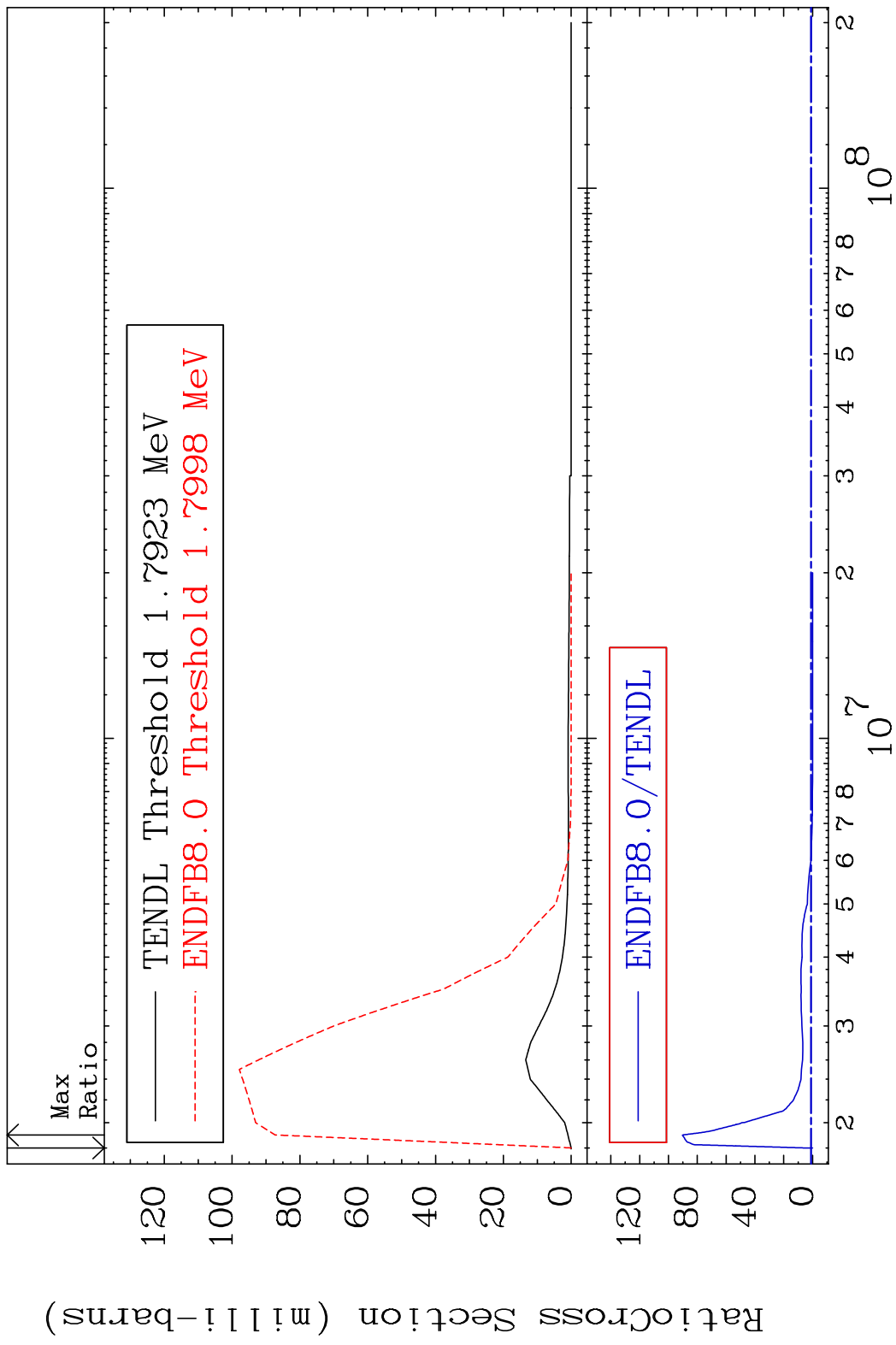
MAT 6037 MT= 63 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 351.4 %



MAT 6037 MT= 64 (n, n') Level 60-Nd-146
 Cross Section -100.0 To 9999. %



MAT 6037 MT= 65 (n,n') Level 60-Nd-146
 Cross Section -100.0 To 8936. %

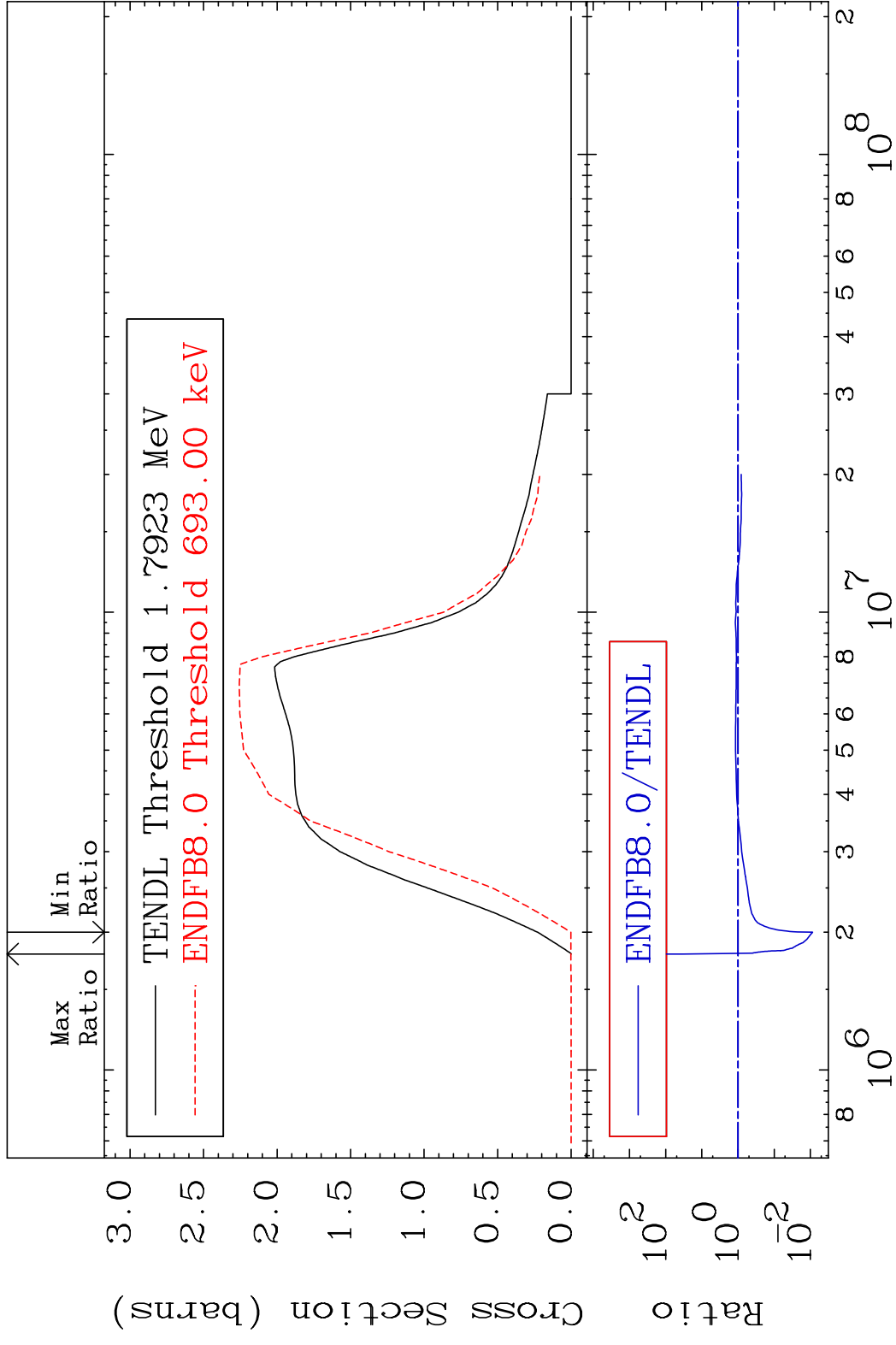


MAT 6037

(n,n') Continuum

60-Nd-146

Cross Section -99.13 To 3363. %

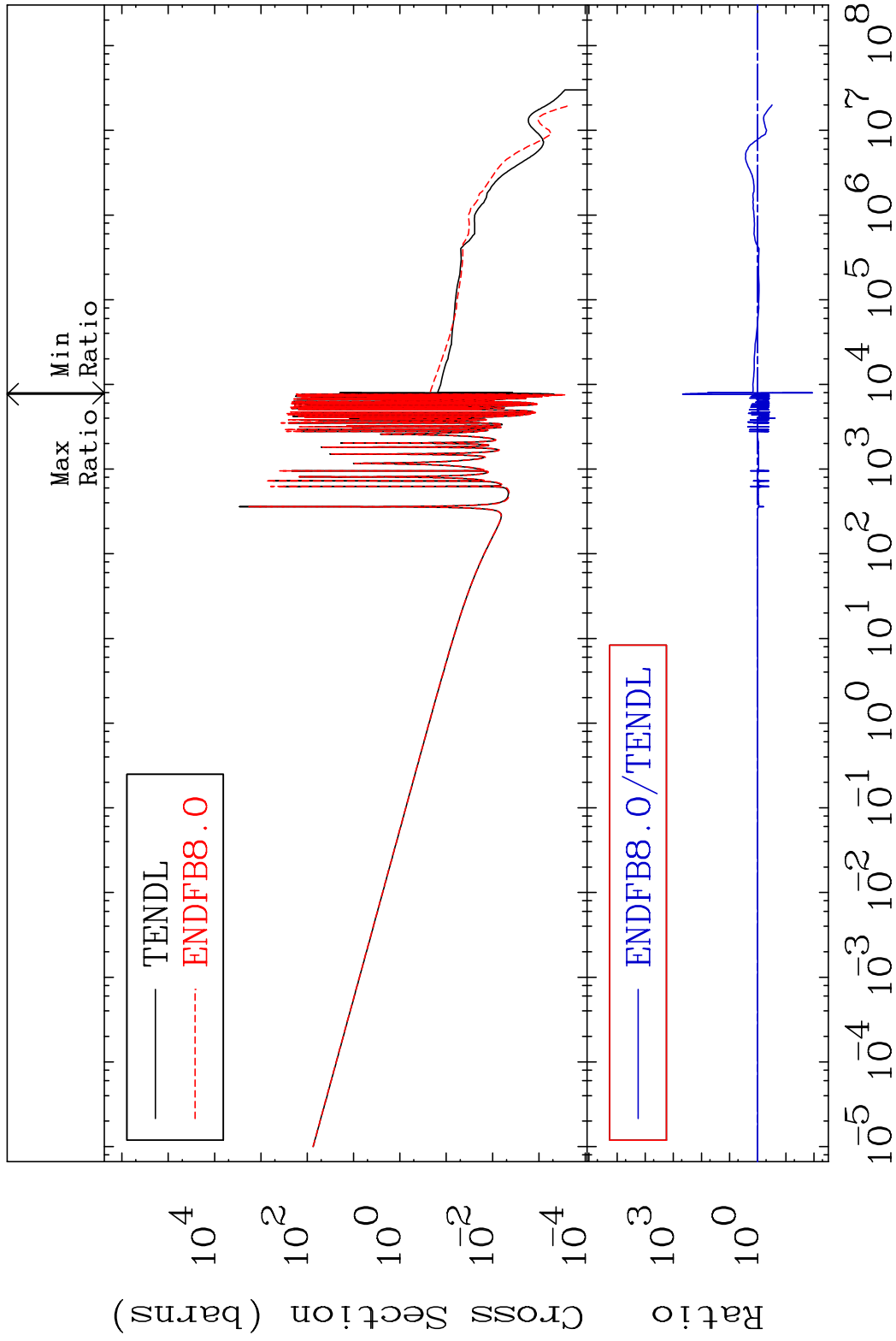


MAT 6037

(n, γ)

60-Nd-146

Cross Section -98.88 To 9999. %



26

Incident Energy (eV)

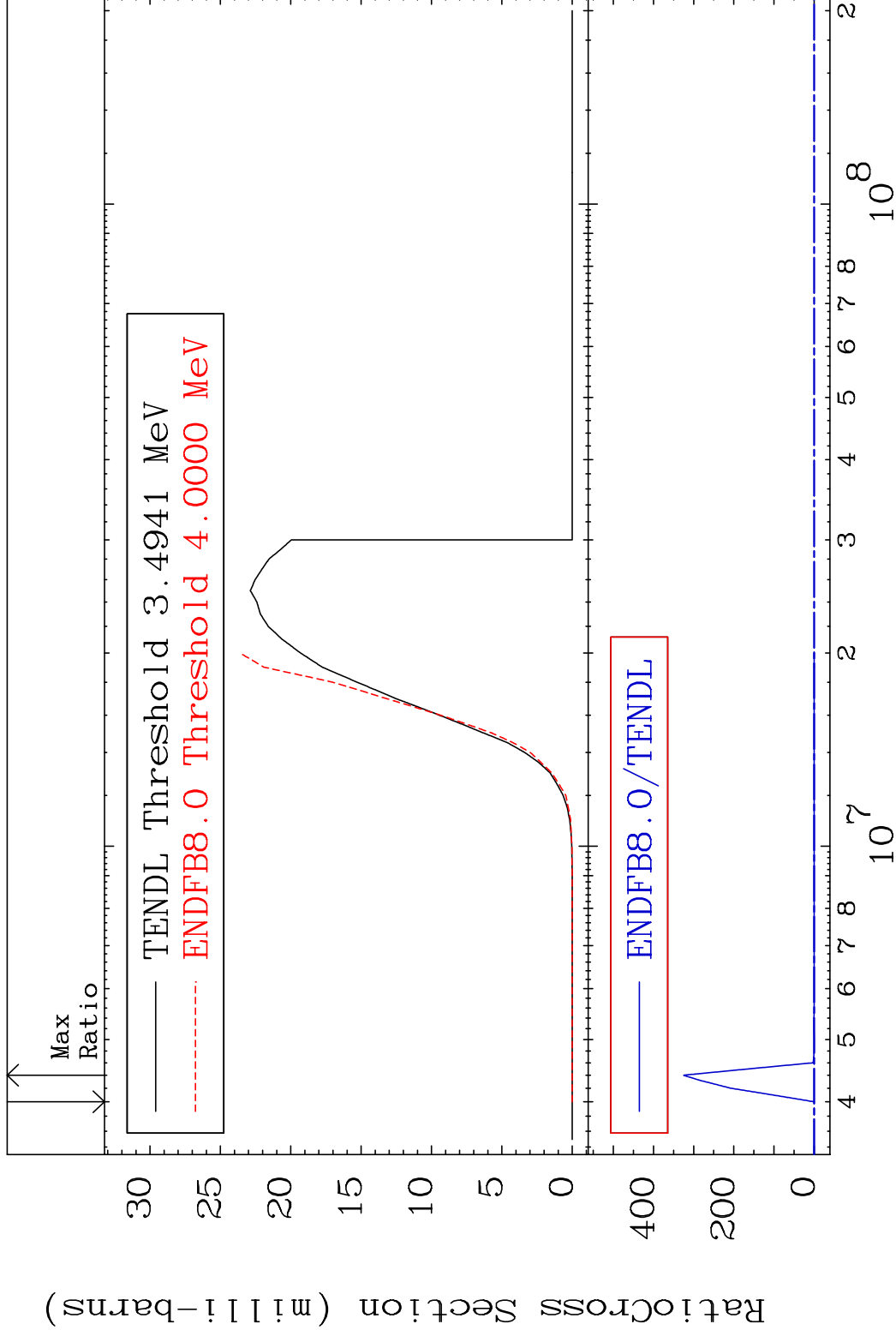
60-Nd-146

MAT 6037

(n,p)

60-Nd-146

Cross Section -100.0 To 9999. %

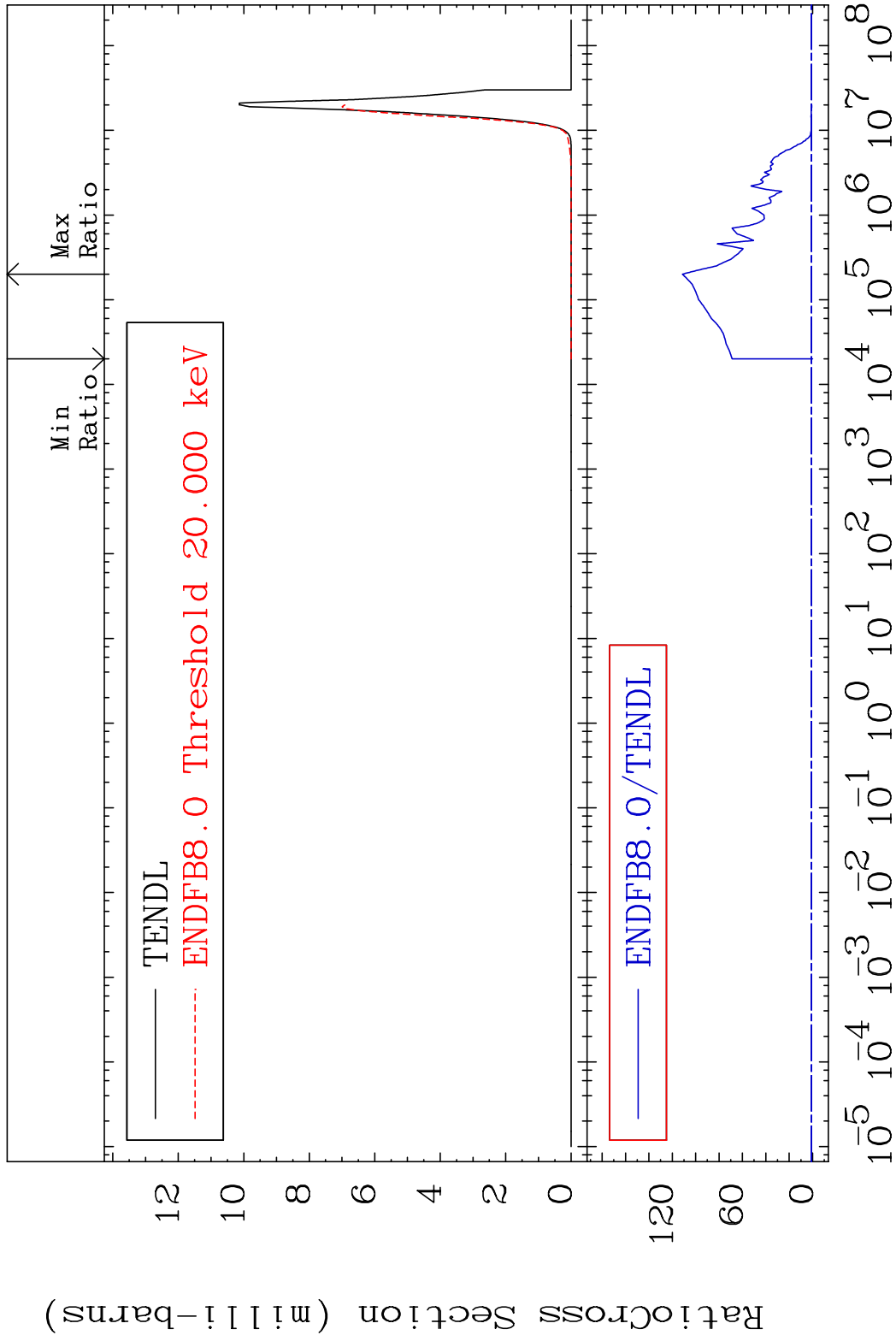


MAT 6037

(n, α)

60-Nd-146

Cross Section -100.0 To 9999. %

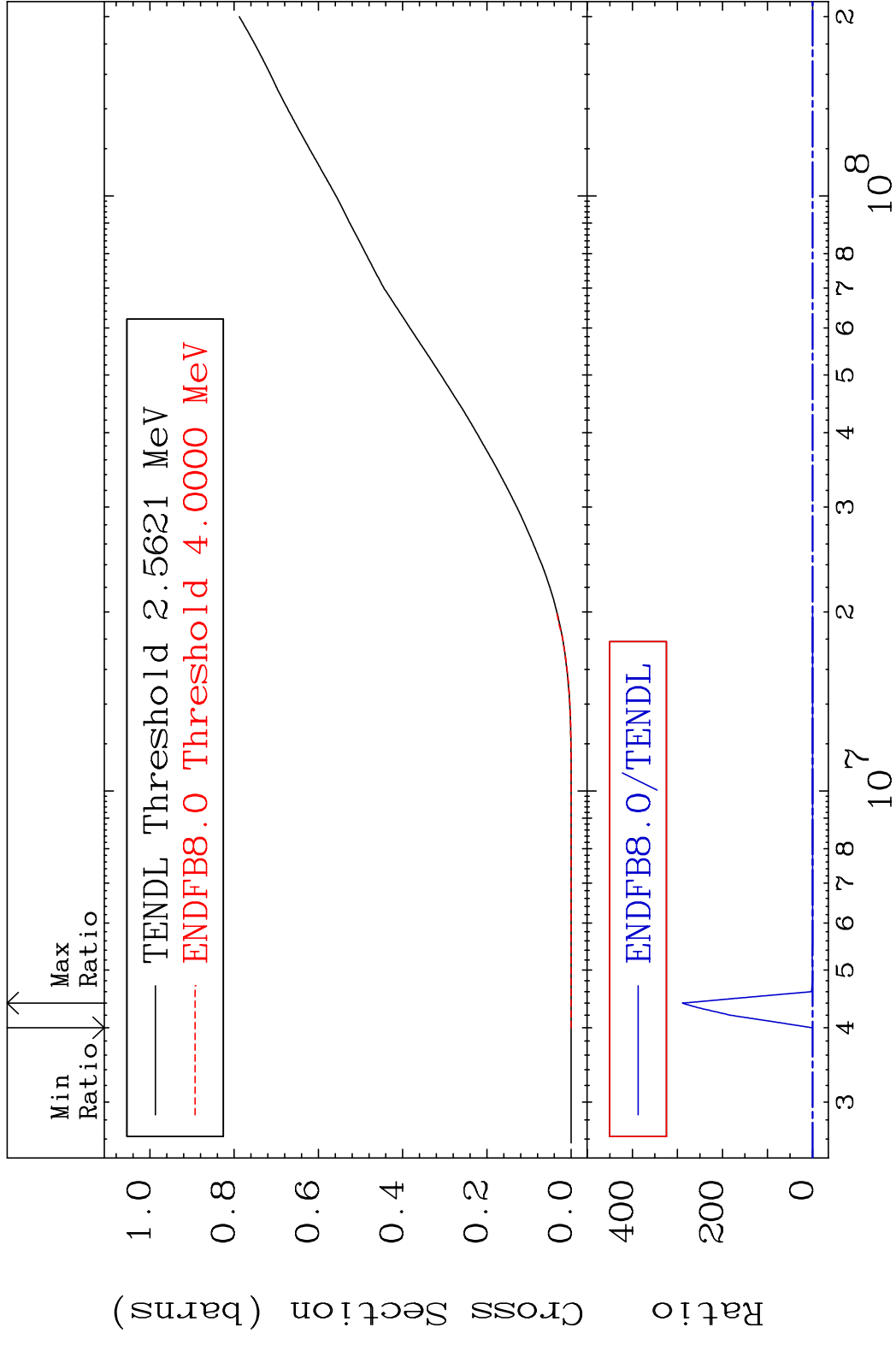


28

Incident Energy (eV)

60-Nd-146

MAT 6037 Hydrogen Production 60-Nd-146
 Cross Section -100.0 To 9999. %

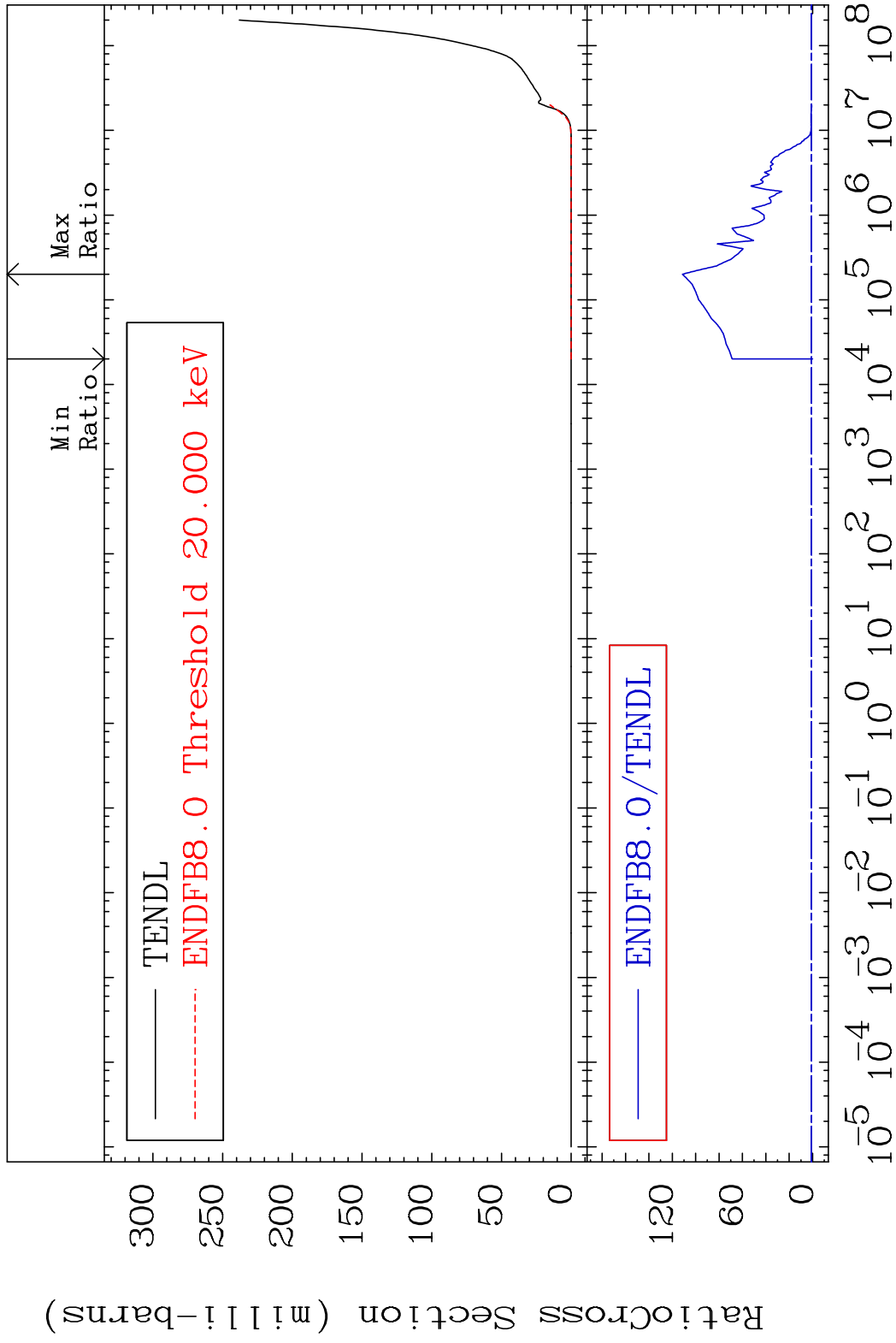


MAT 6037

He-4 Production

60-Nd-146

Cross Section -100.0 To 9999. %

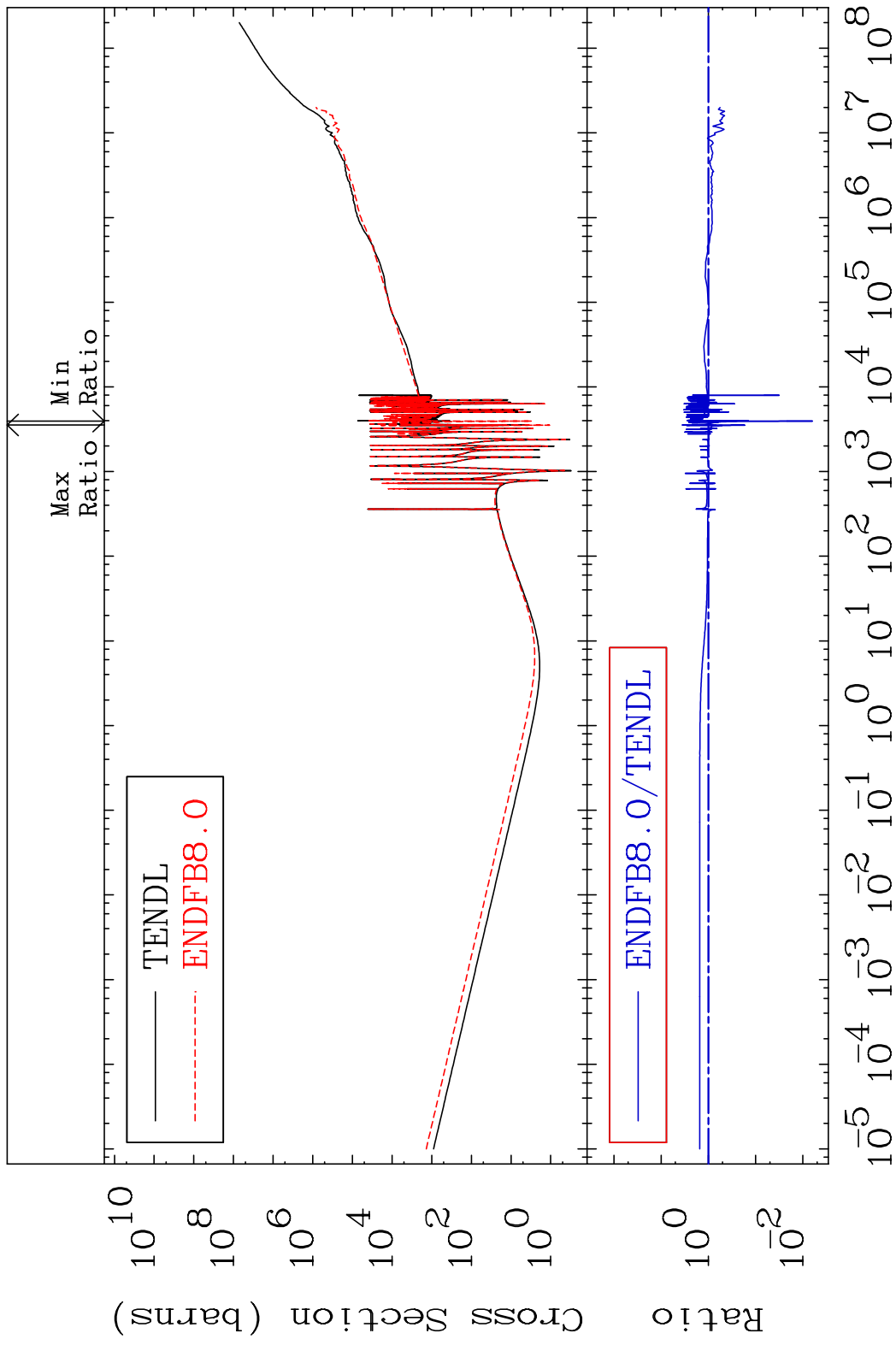


30

Incident Energy (eV)

60-Nd-146

MAT 6037 Kerma total (eV-barns) 60-Nd-146
 Cross Section -99.38 To 255.4 %



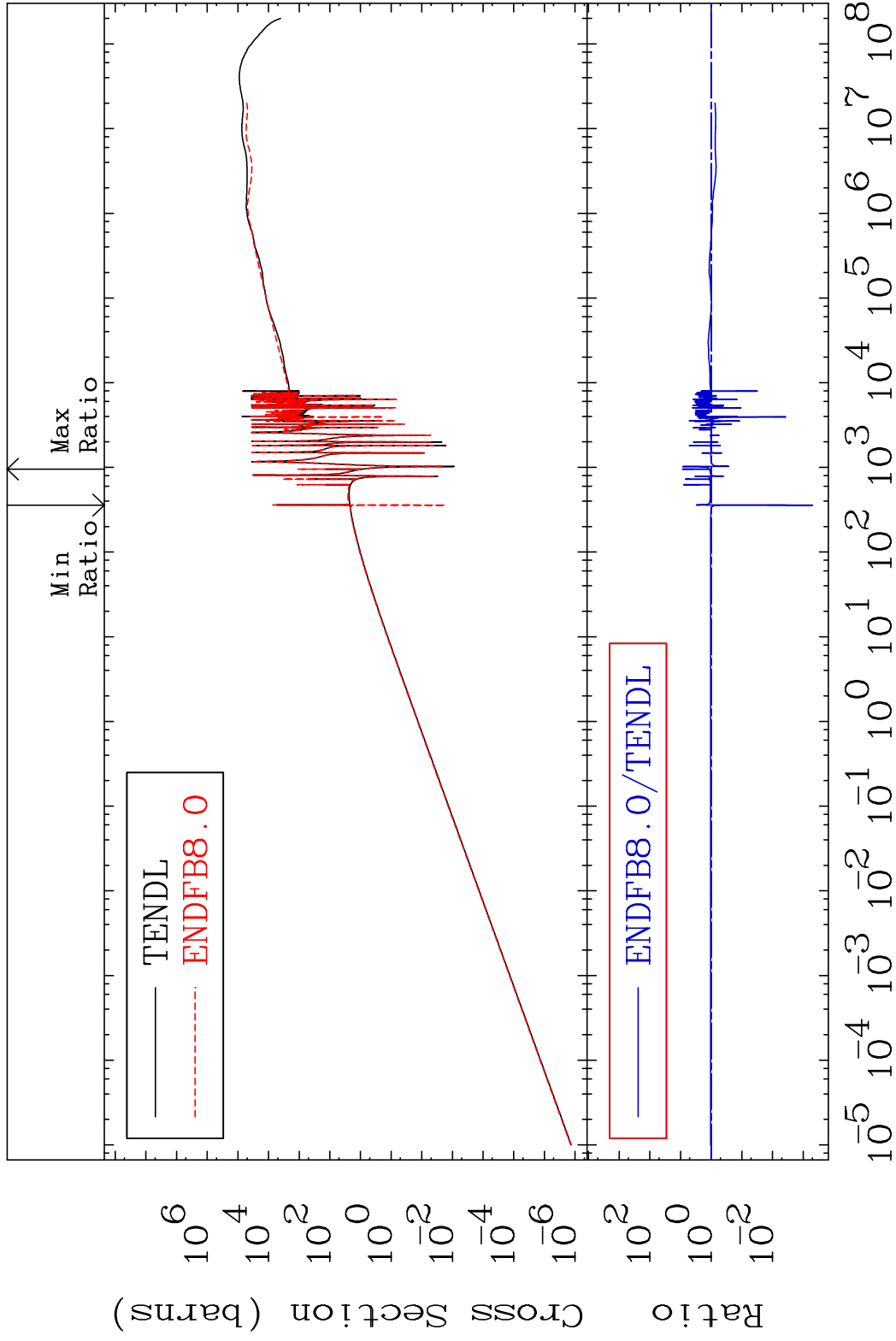
MAT 6037

Kerma elastic

60-Nd-146

Cross Section

-99.95 To 770.9 %

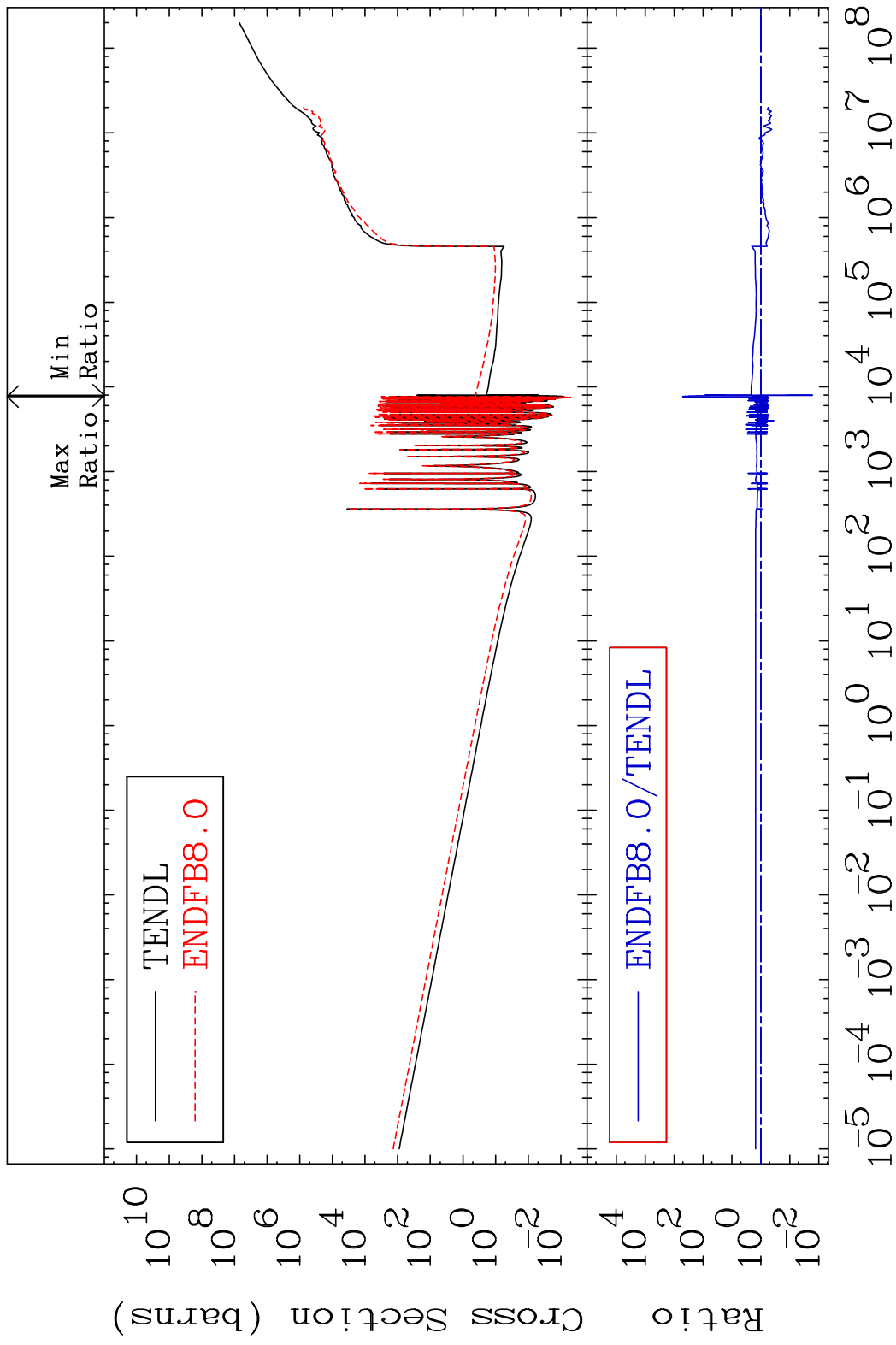


32

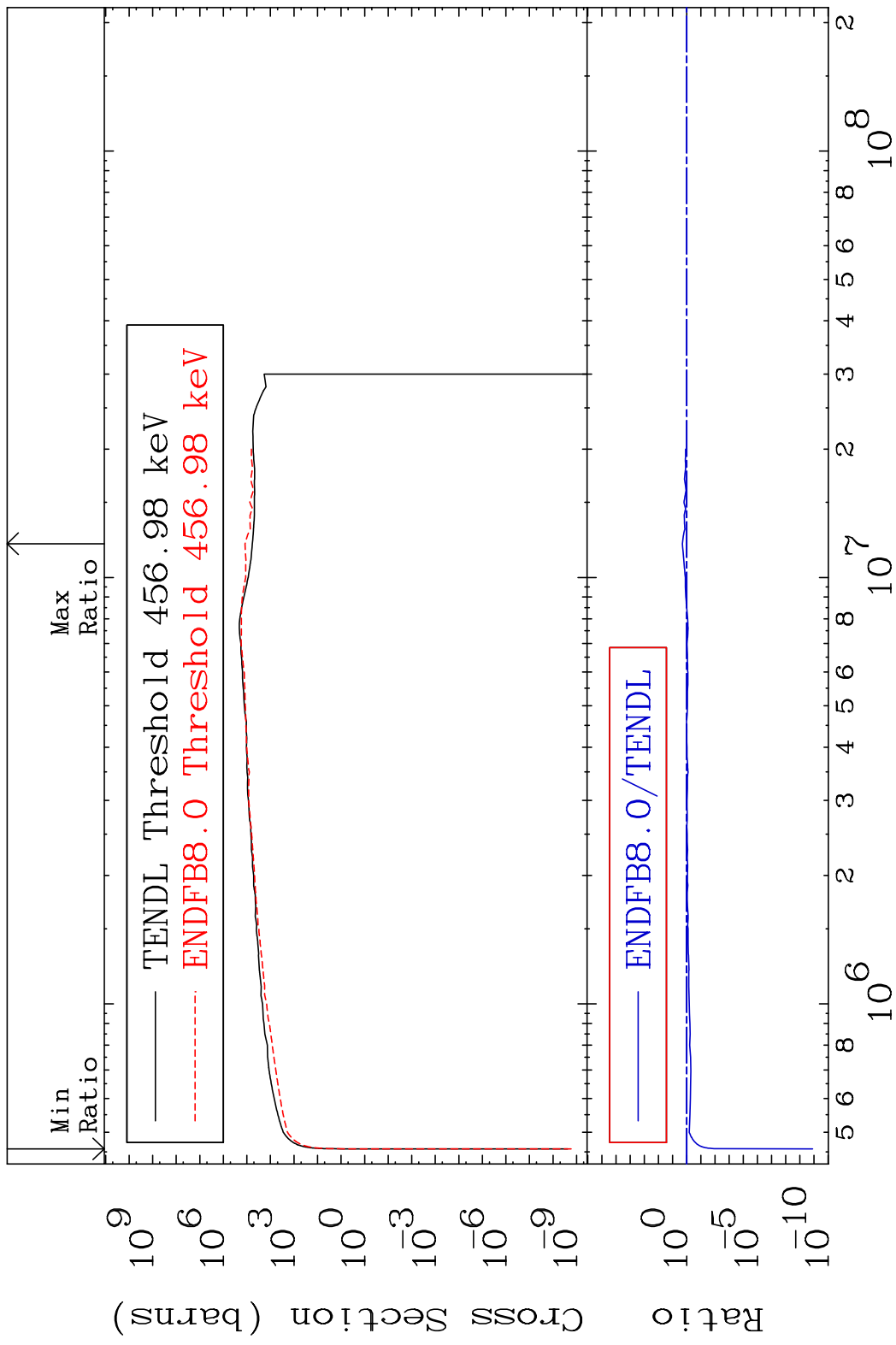
Incident Energy (eV)

60-Nd-146

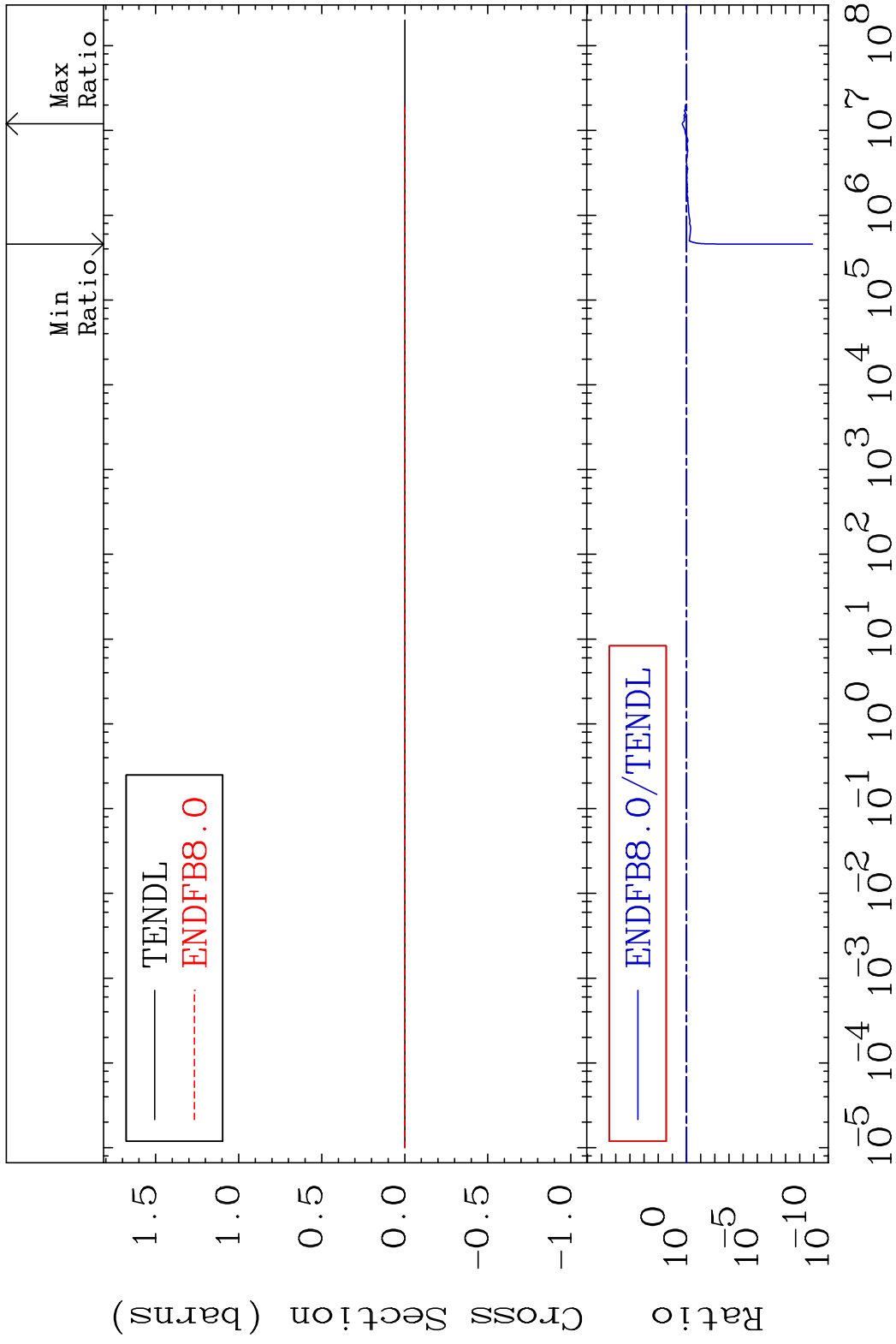
MAT 6037 Kerma non-elastic (all but mt2) 60-Nd-146
 Cross Section -98.36 To 9999. %



MAT 6037 Kerma inelastic (mt51-91) 60-Nd-146
 Cross Section -100.0 To 104.5 %

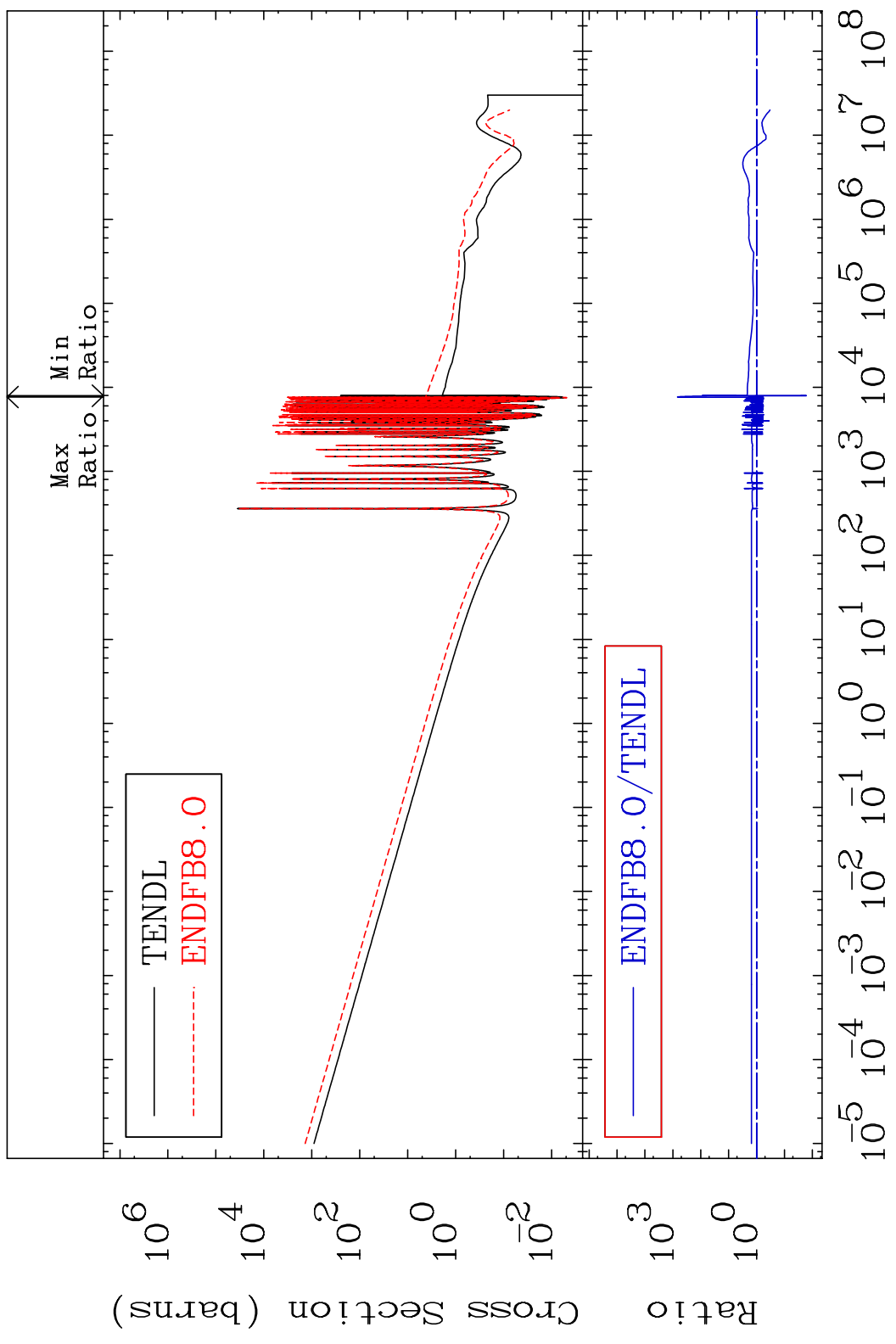


MAT 6037 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-146
 Cross Section -100.0 To 104.5 %



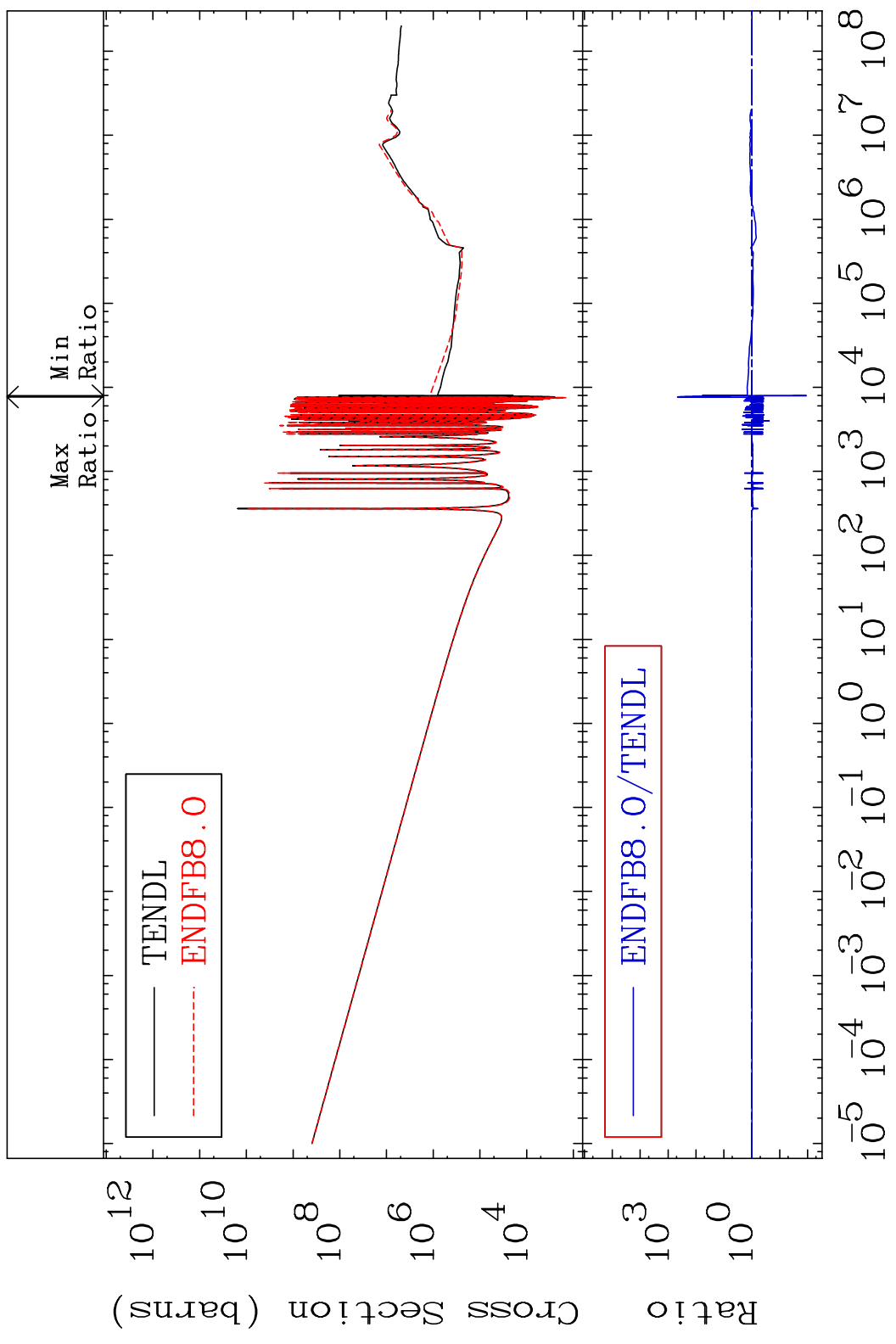
MAT 6037

Kerma capture (mt102) 60-Nd-146
Cross Section -98.36 To 9999. %



MAT 6037

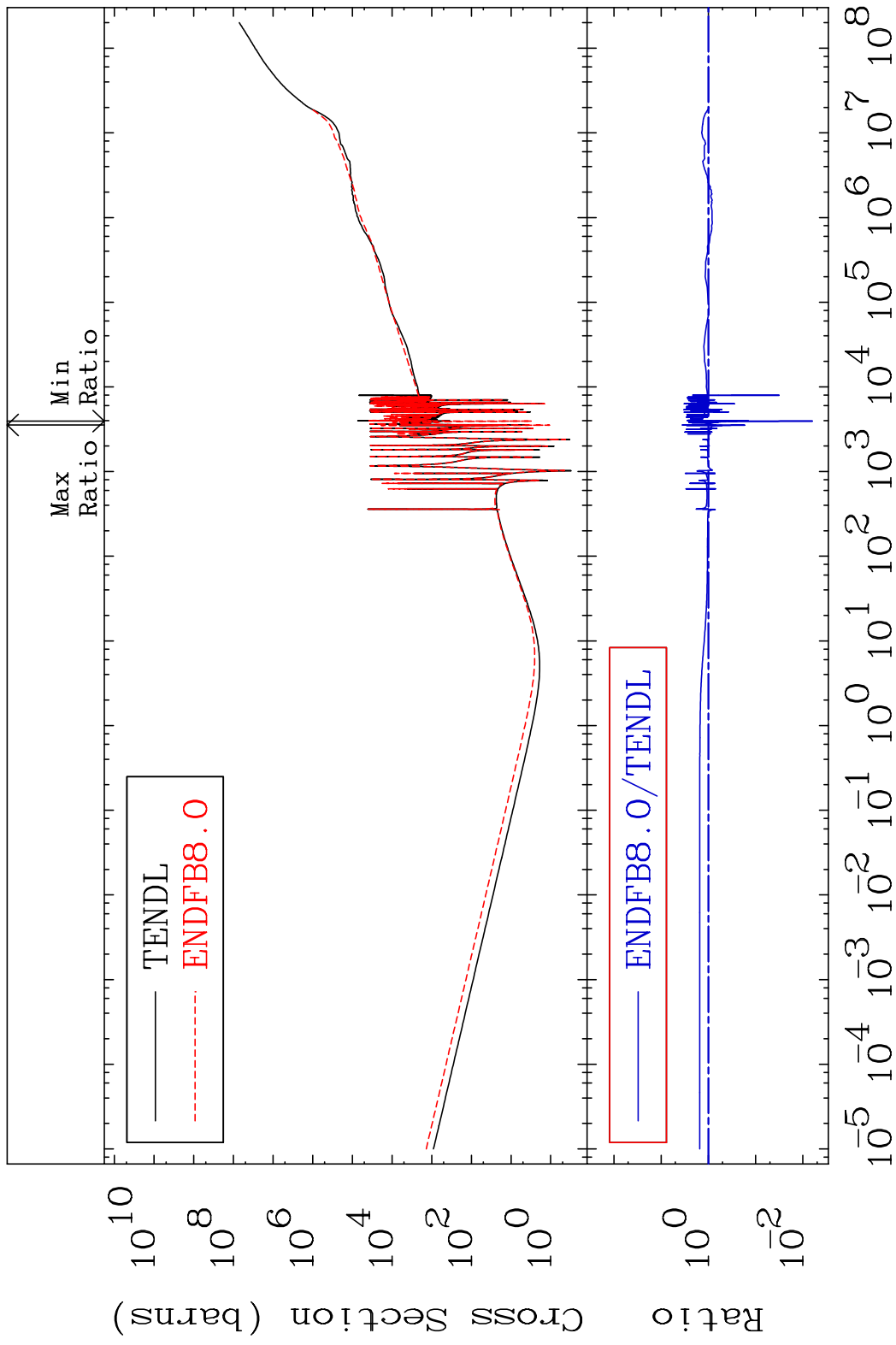
Total photon (eV-barns) 60-Nd-146
Cross Section -98.89 To 9999. %



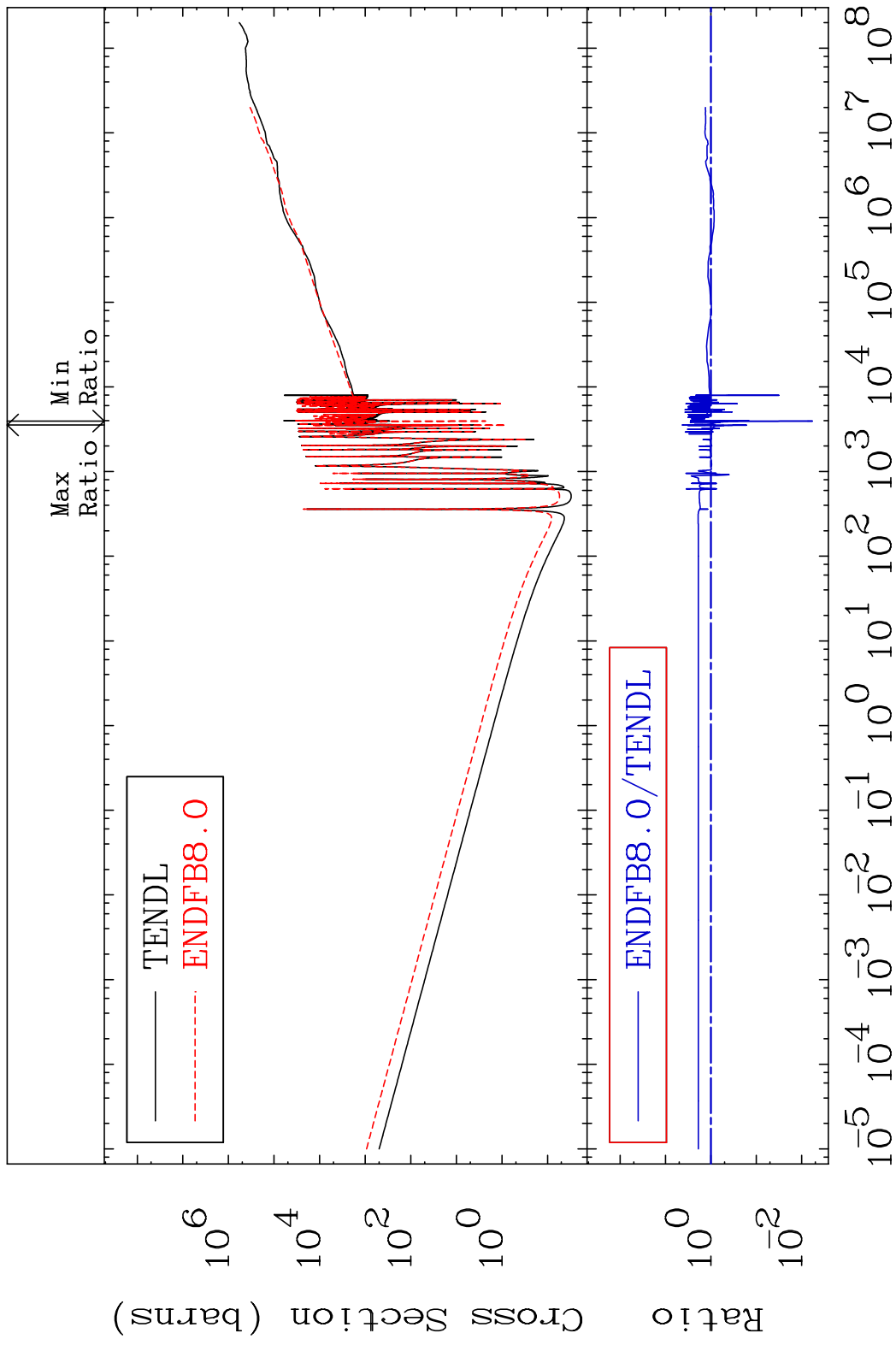
37

Incident Energy (eV) 60-Nd-146

MAT 6037 Total kinematic kerma (high limit) 60-Nd-146
 Cross Section -99.38 To 255.4 %



MAT 6037 Dpa total (eV-barns) 60-Nd-146
 Cross Section -99.42 To 324.8 %



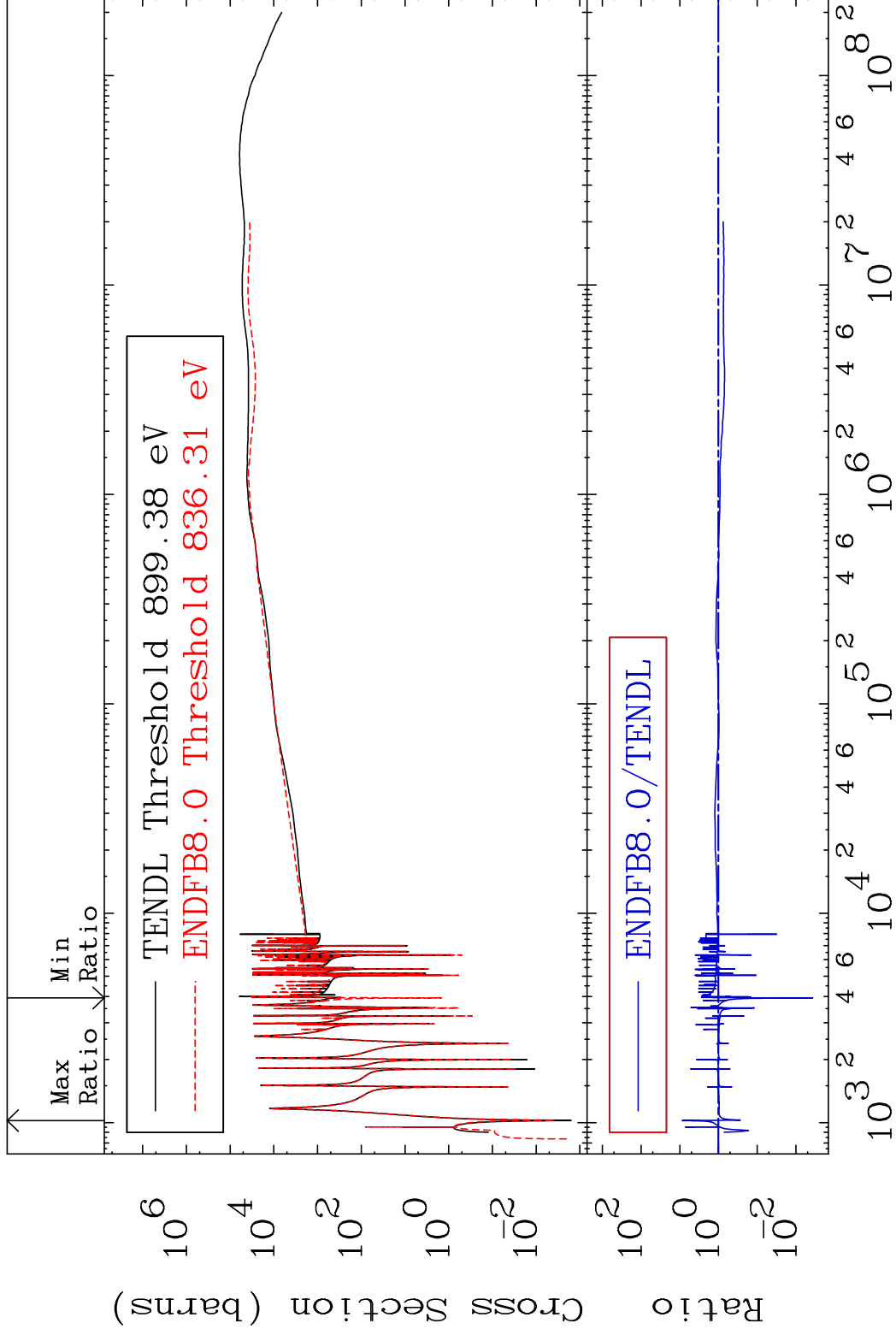
39 Incident Energy (eV) 60-Nd-146

MAT 6037

Dpa elastic (mt2)

60-Nd-146

Cross Section -99.63 To 758.9 %

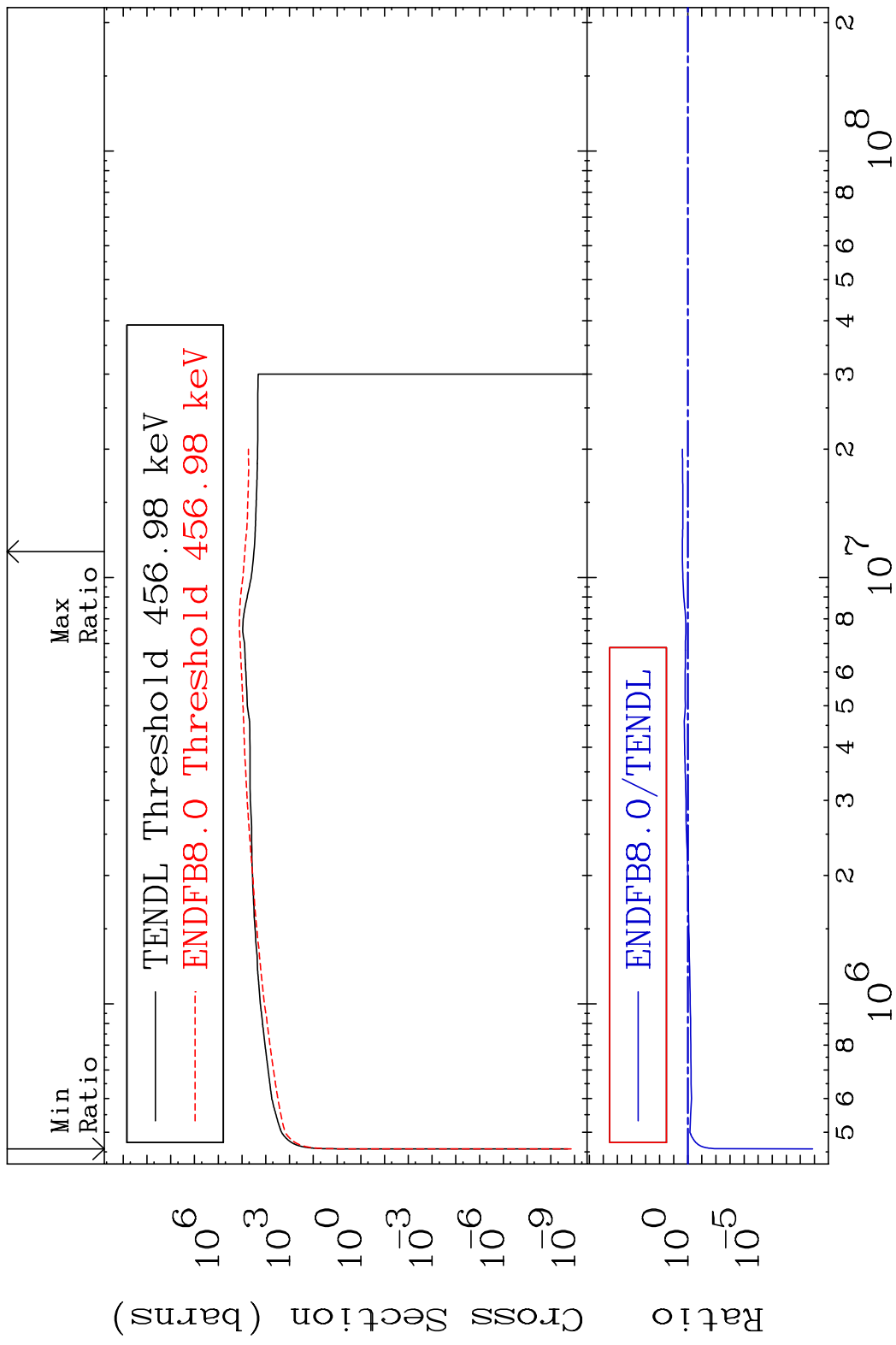


40

Incident Energy (eV)

60-Nd-146

MAT 6037 Dpa inelastic (mt51-91) 60-Nd-146
 Cross Section -100.0 To 143.8 %



MAT 6037 Dpa disappearance (mt102 -120) 60-Nd-146
 Cross Section -97.96 To 9999. %

