

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

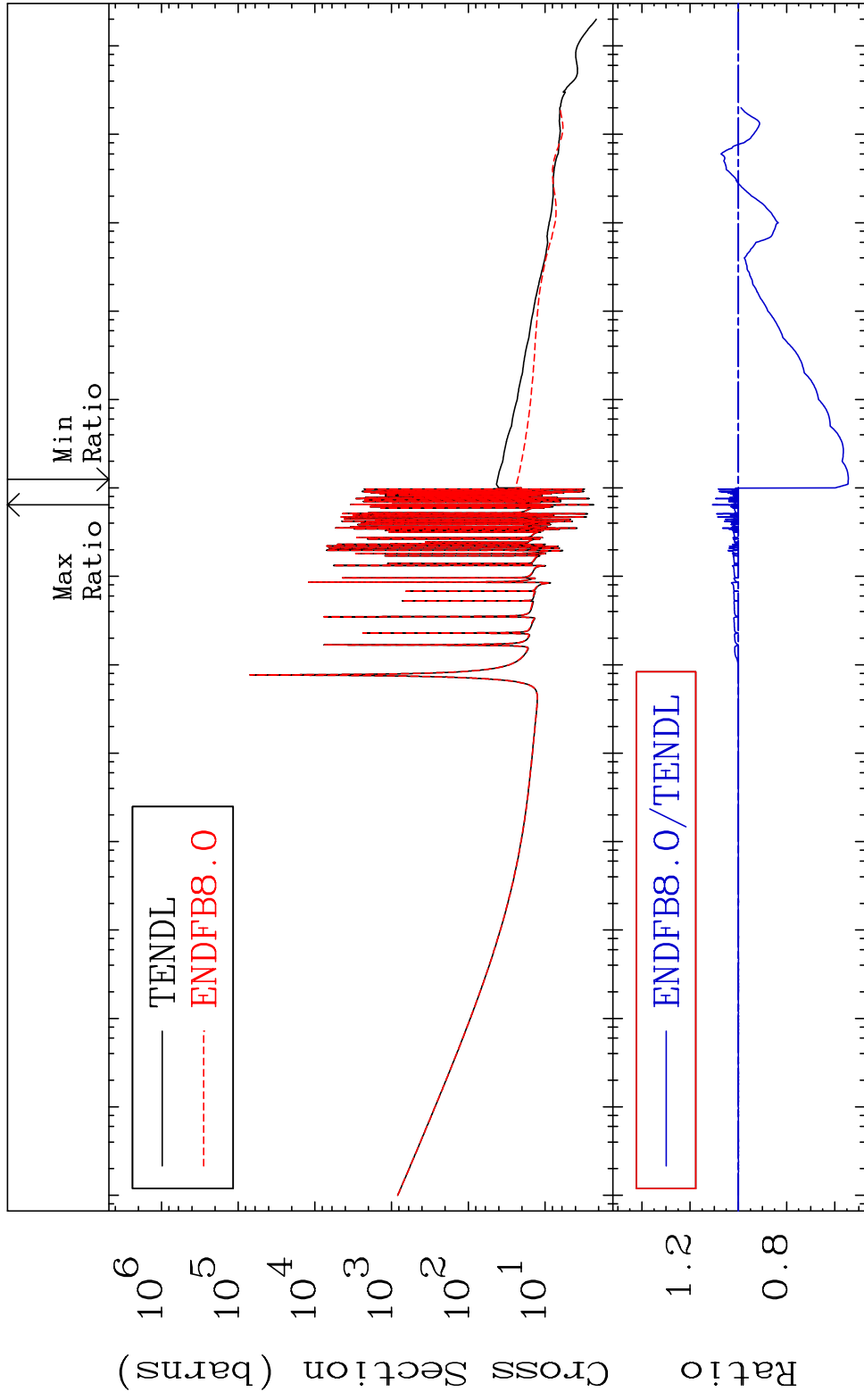
Press Mouse Button to Start

MAT 9637

Total

96-Cm-244

Cross Section -45.60 To 10.78 %



1

Incident Energy (eV)

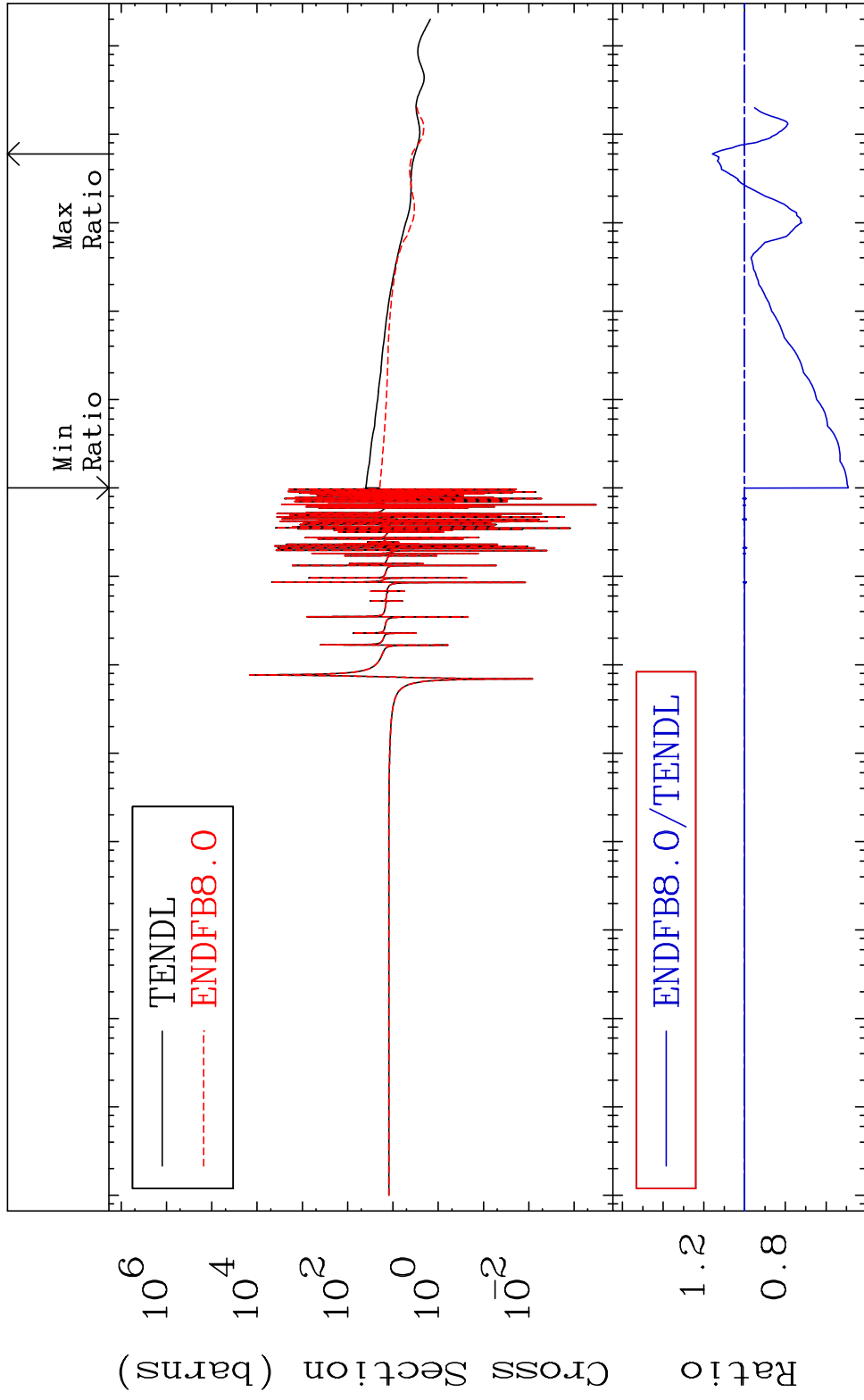
96-Cm-244

MAT 9637

Elastic

96-Cm-244

Cross Section -50.90 To 15.84 %

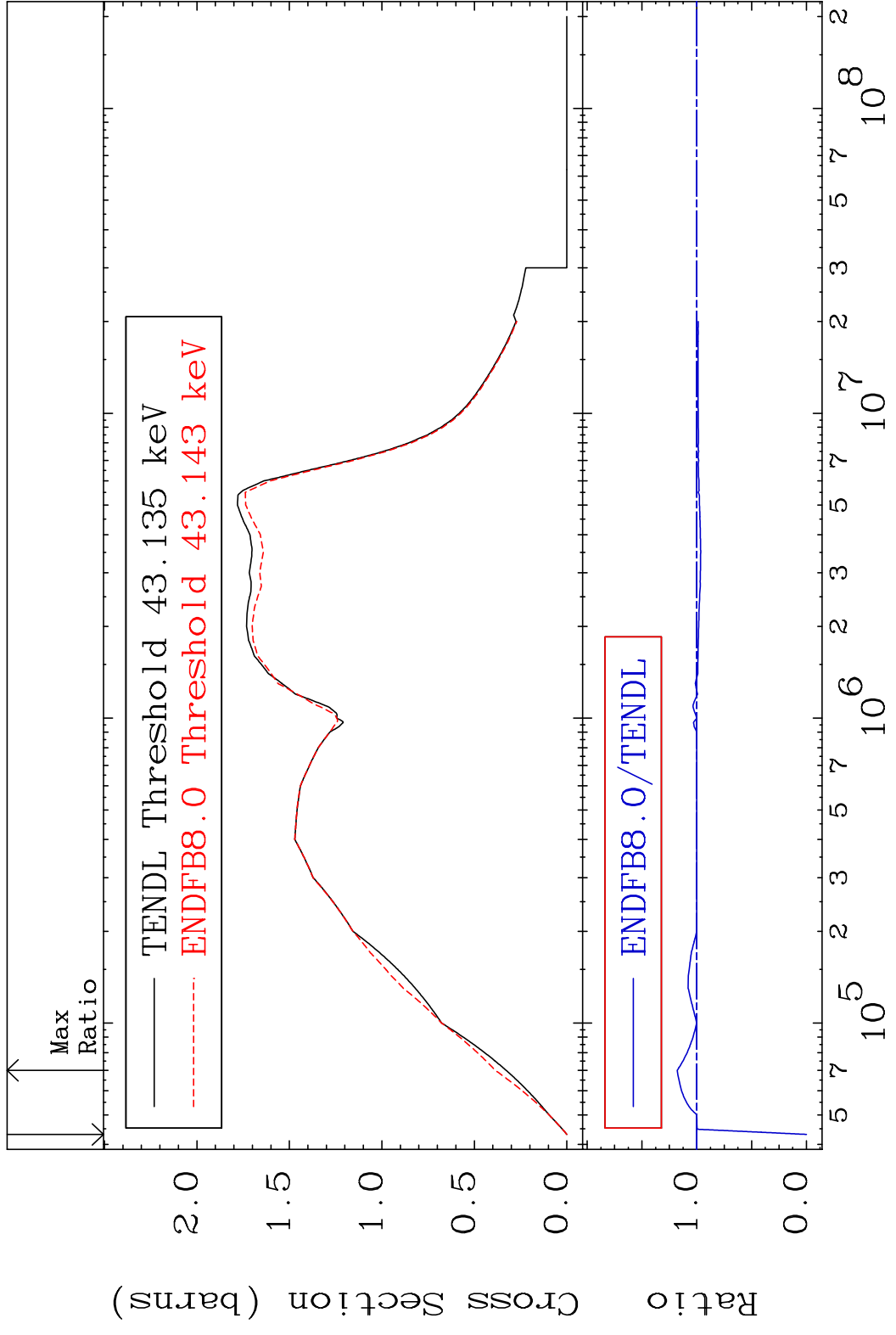


2

Incident Energy (eV)

96-Cm-244

MAT 9637 Inelastic 96-Cm-244  
 Cross Section -100.0 To 17.88 %

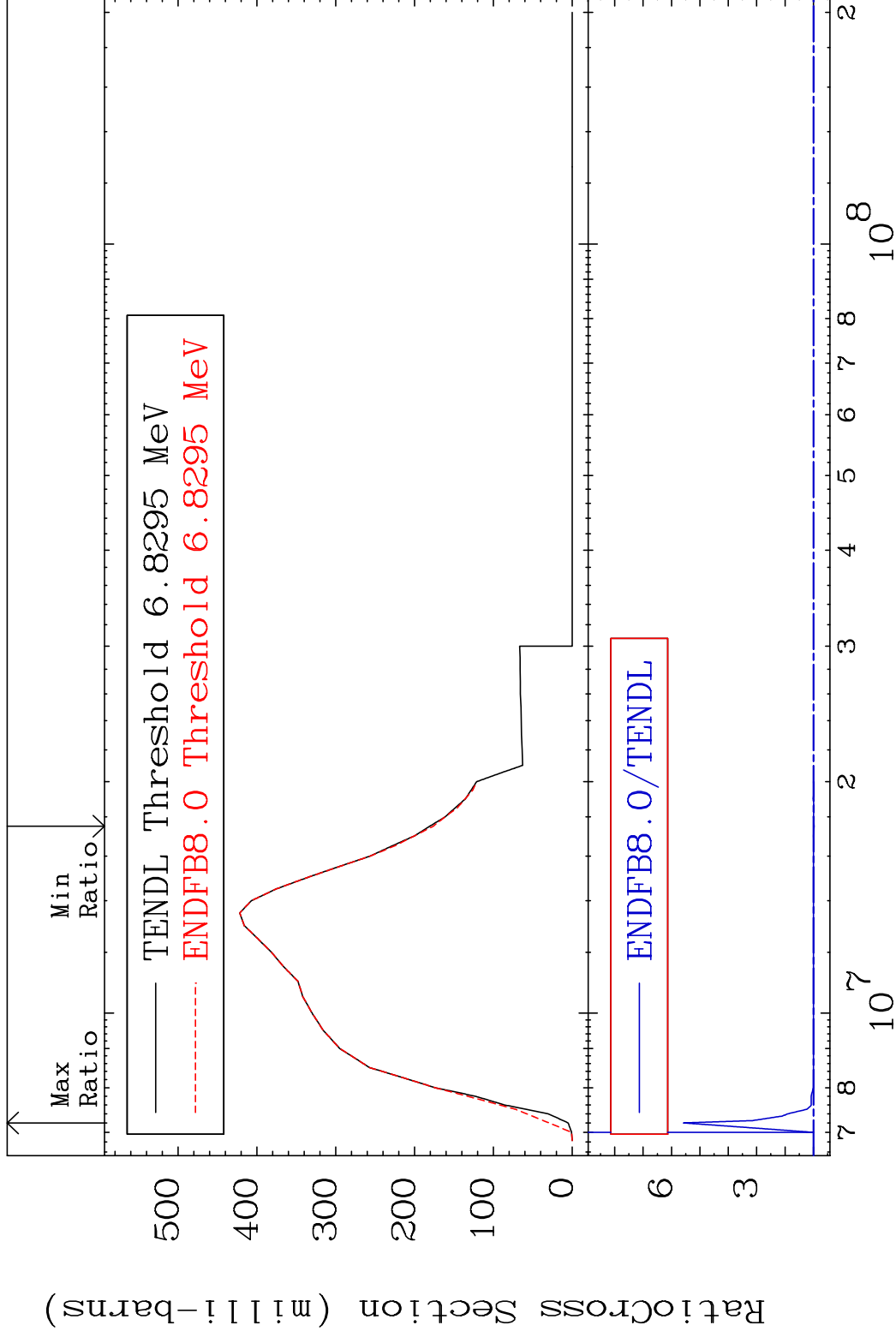


MAT 9637

(n,2n)

96-Cm-244

Cross Section -2.435 To 457.2 %



4

Incident Energy (eV)

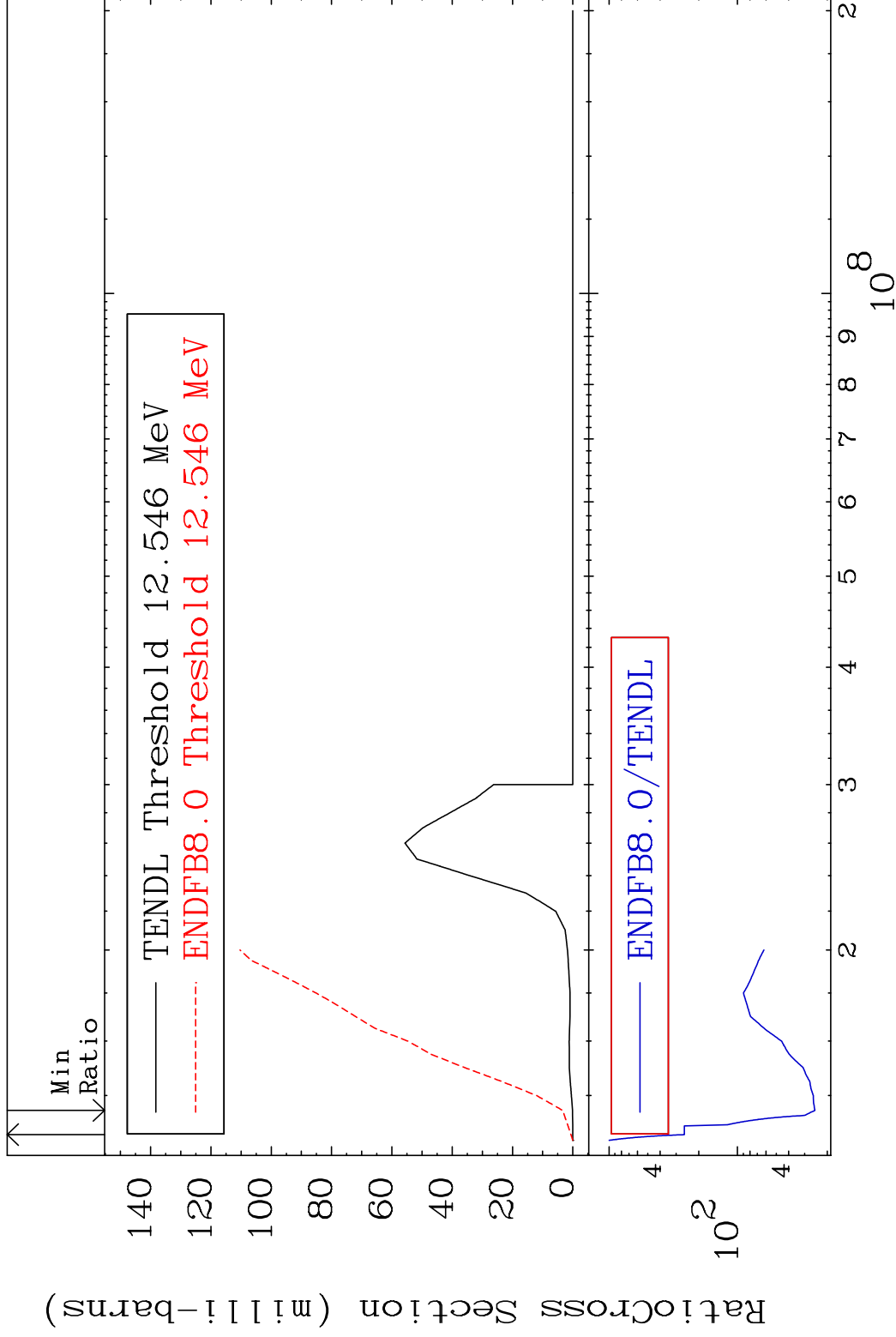
96-Cm-244

MAT 9637

(n,3n)

96-Cm-244

Cross Section 2398. To 9999. %



5

Incident Energy (eV)

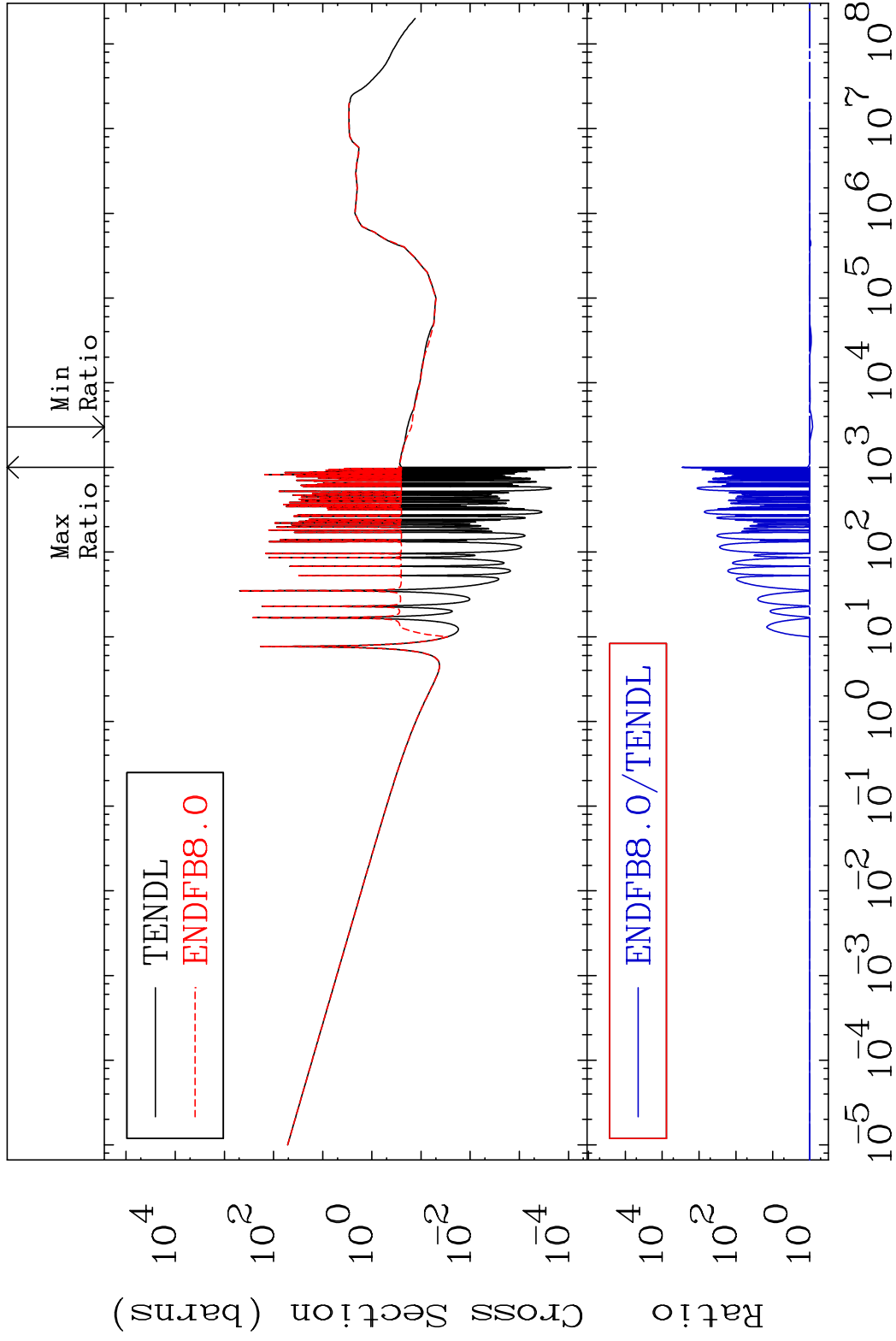
96-Cm-244

MAT 9637

Fission

96-Cm-244

Cross Section -17.00 To 9999. %

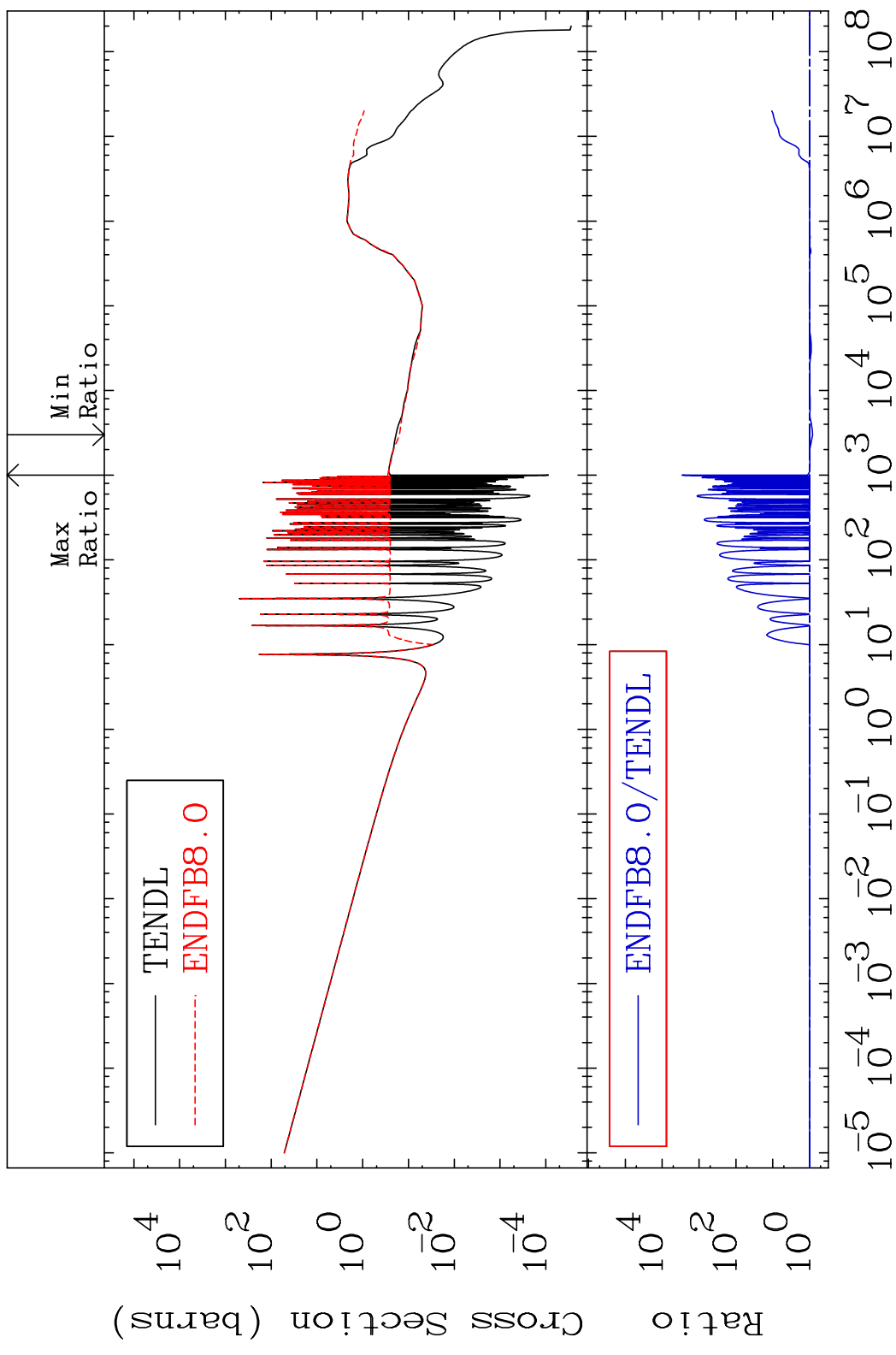


MAT 9637

(n,f) First Chance

96-Cm-244

Cross Section -17.00 To 9999. %



7

Incident Energy (eV)

96-Cm-244

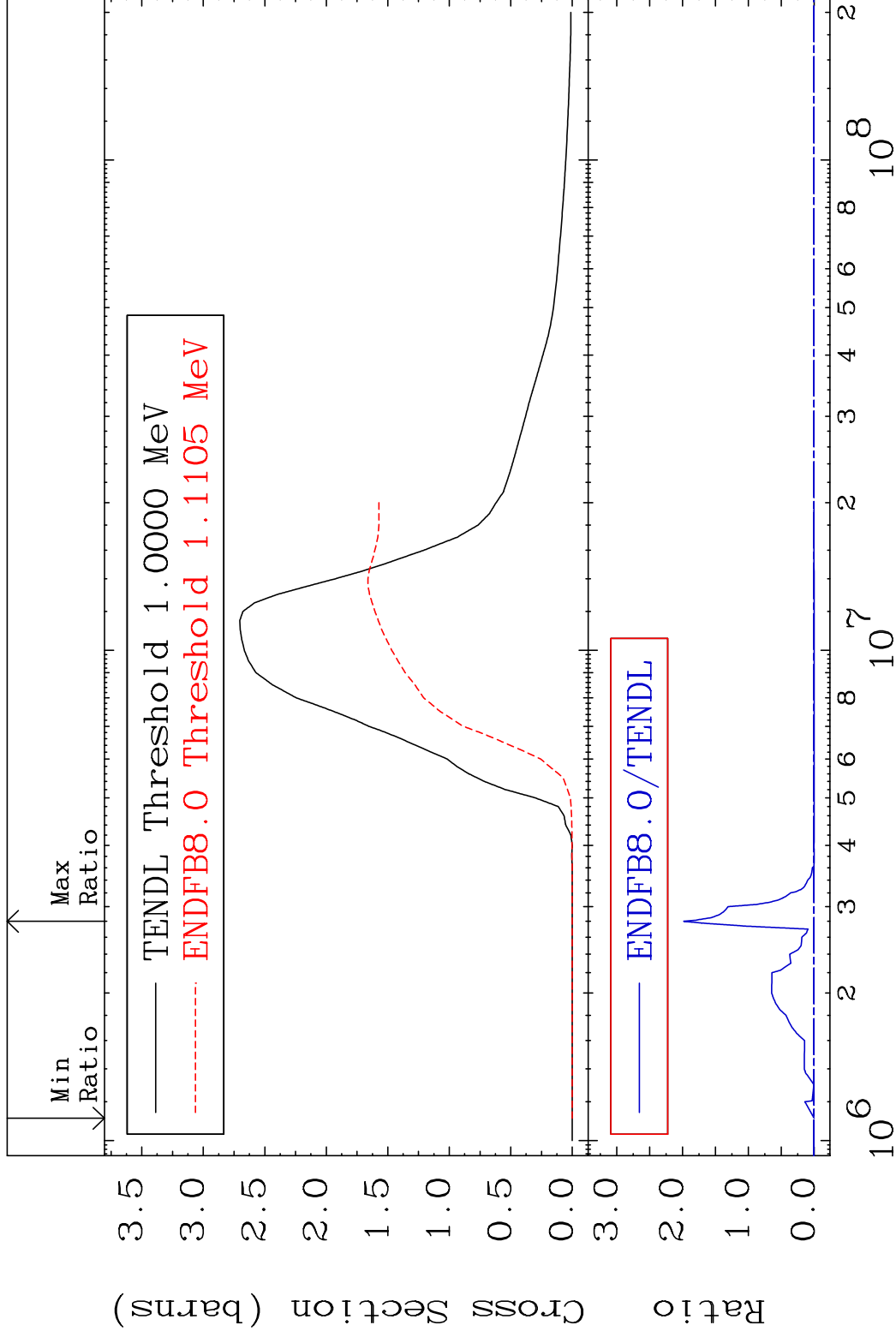


MAT 9637

(n, nf) Second Chance

96-Cm-244

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

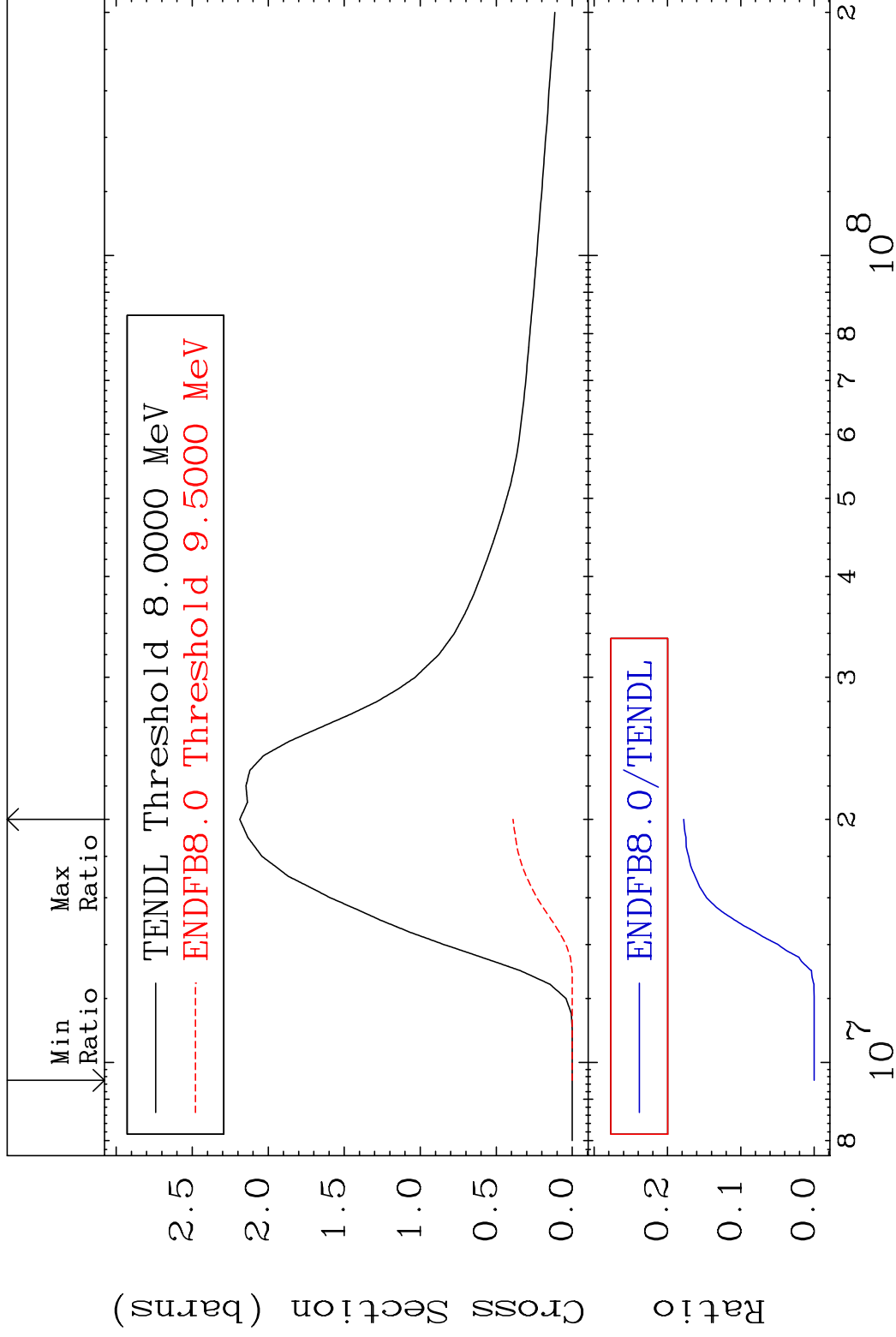
96-Cm-244

MAT 9637

(n,2nf) Third Chance

96-Cm-244

Cross Section -100.0 To -82.20%



9

Incident Energy (eV)

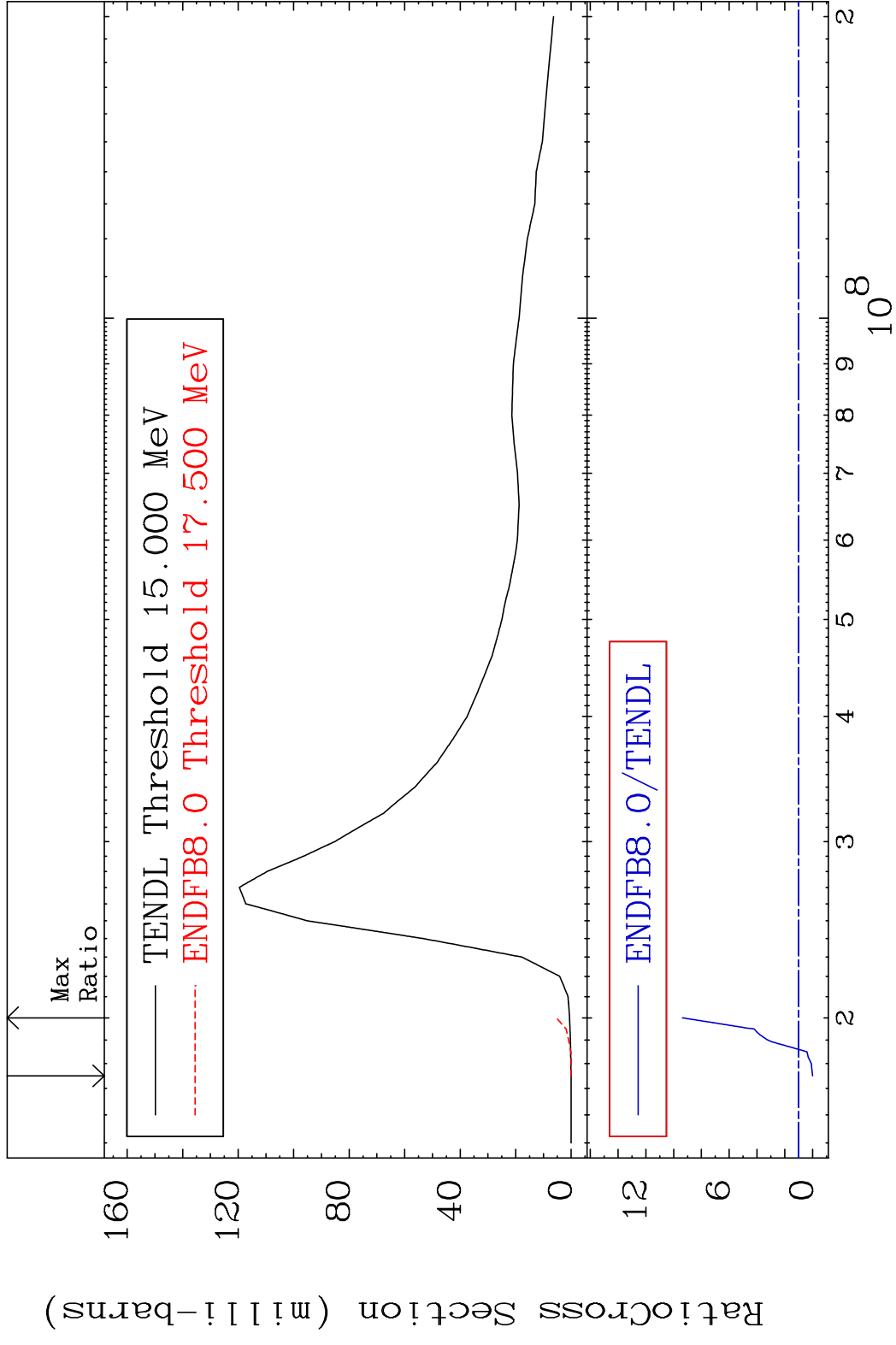
96-Cm-244

MAT 9637

(n,3nf) Fourth Chance

96-Cm-244

Cross Section -100.0 To 837.3 %

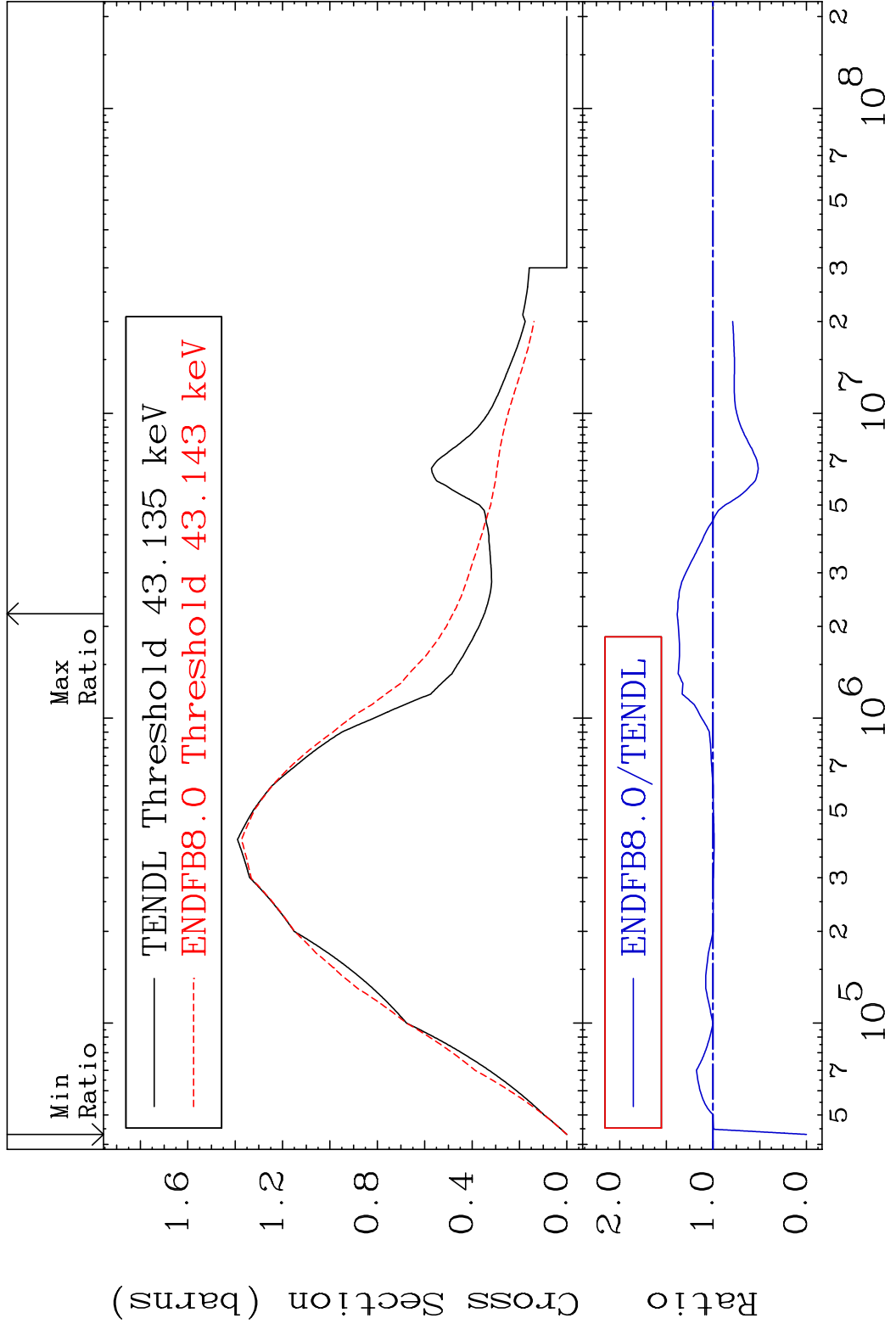


10

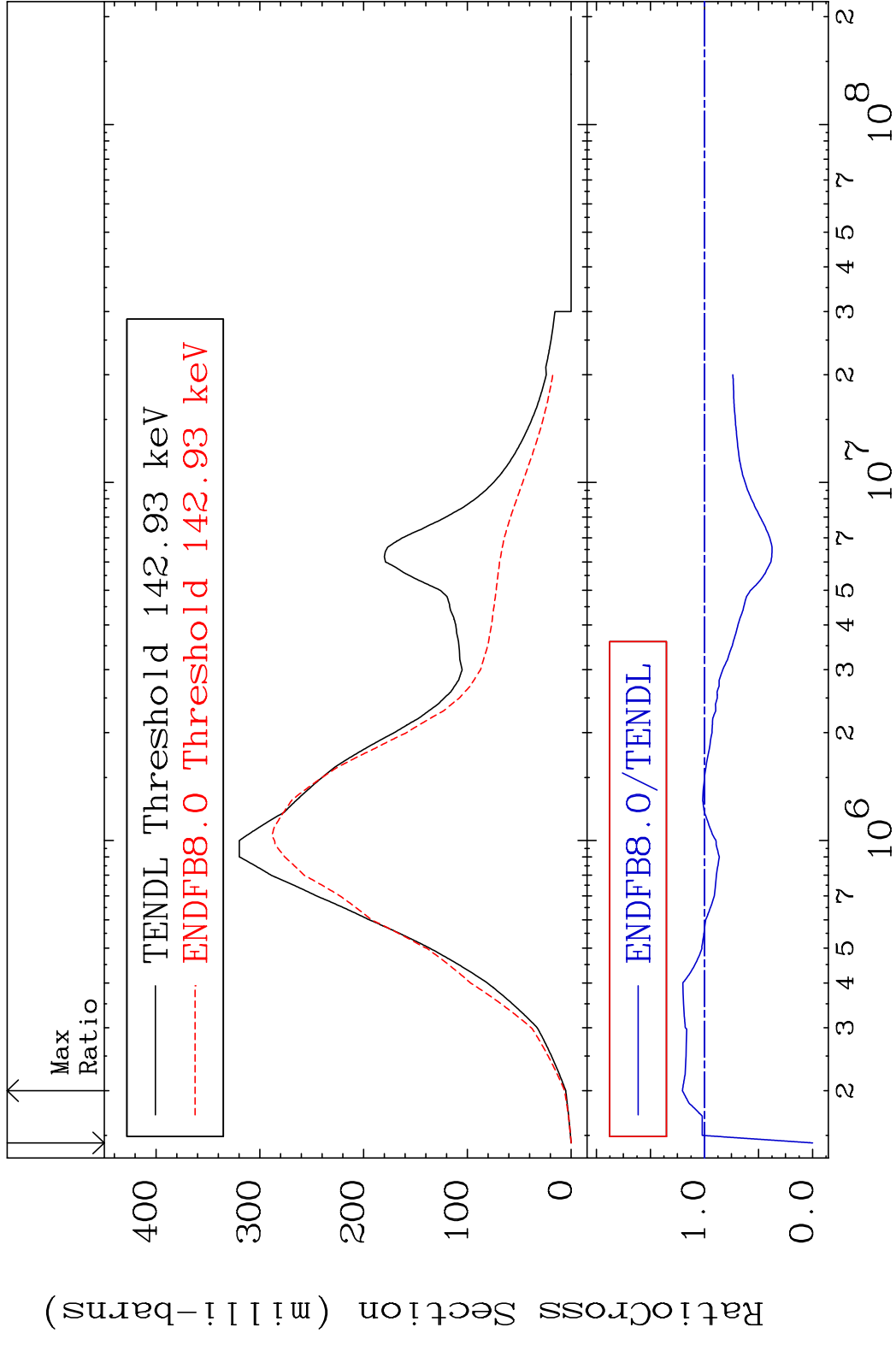
Incident Energy (eV)

96-Cm-244

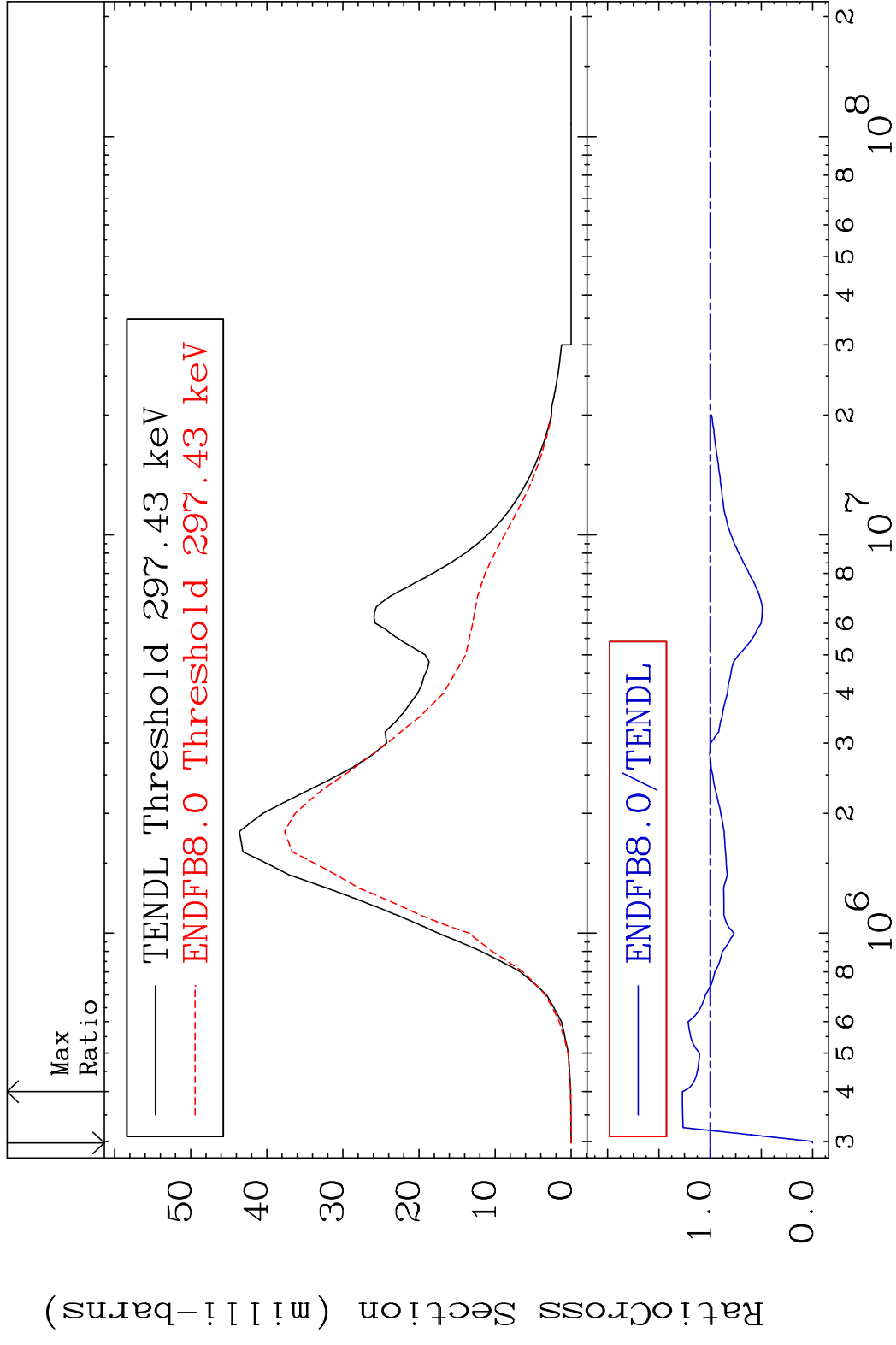
MAT 9637 MT= 51 (n, n') Level 96-Cm-244  
 Cross Section -100.0 To 38.41 %



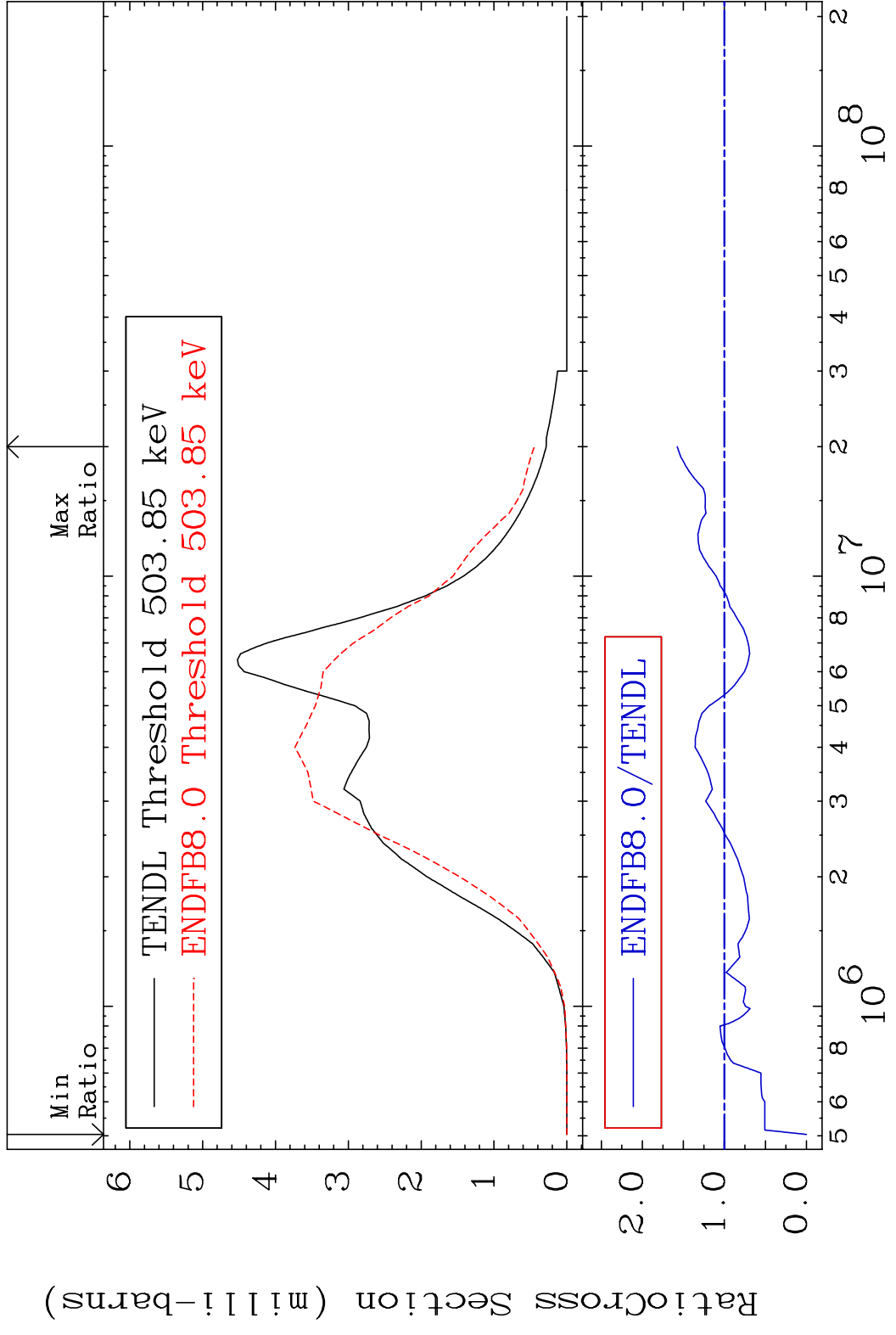
MAT 9637 MT= 52 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To 20.48 %



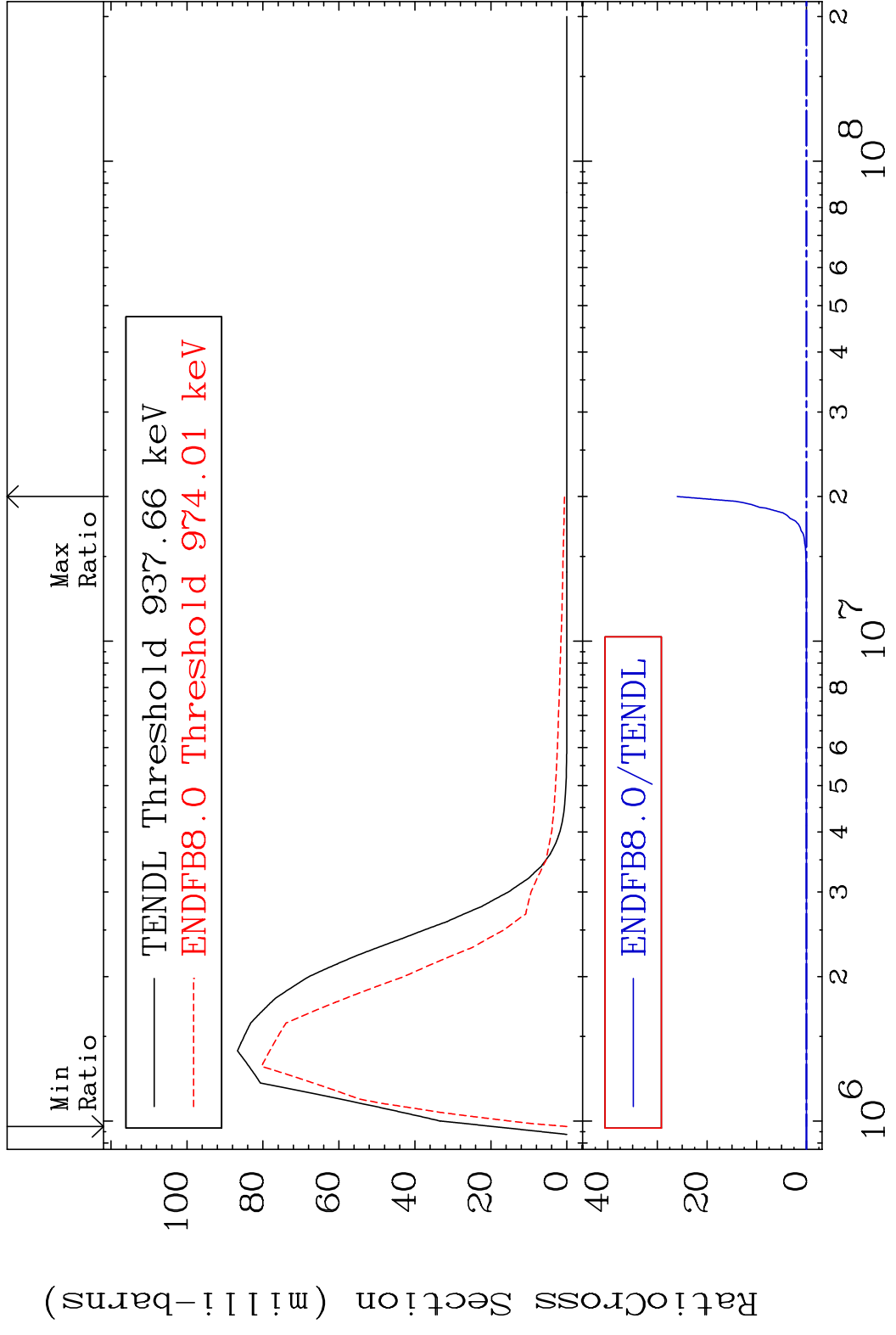
MAT 9637 MT= 53 (n, n') Level 96-Cm-244  
 Cross Section -100.0 To 27.10 %



MAT 9637 MT= 54 (n, n') Level 96-Cm-244  
 Cross Section -100.0 To 57.54 %



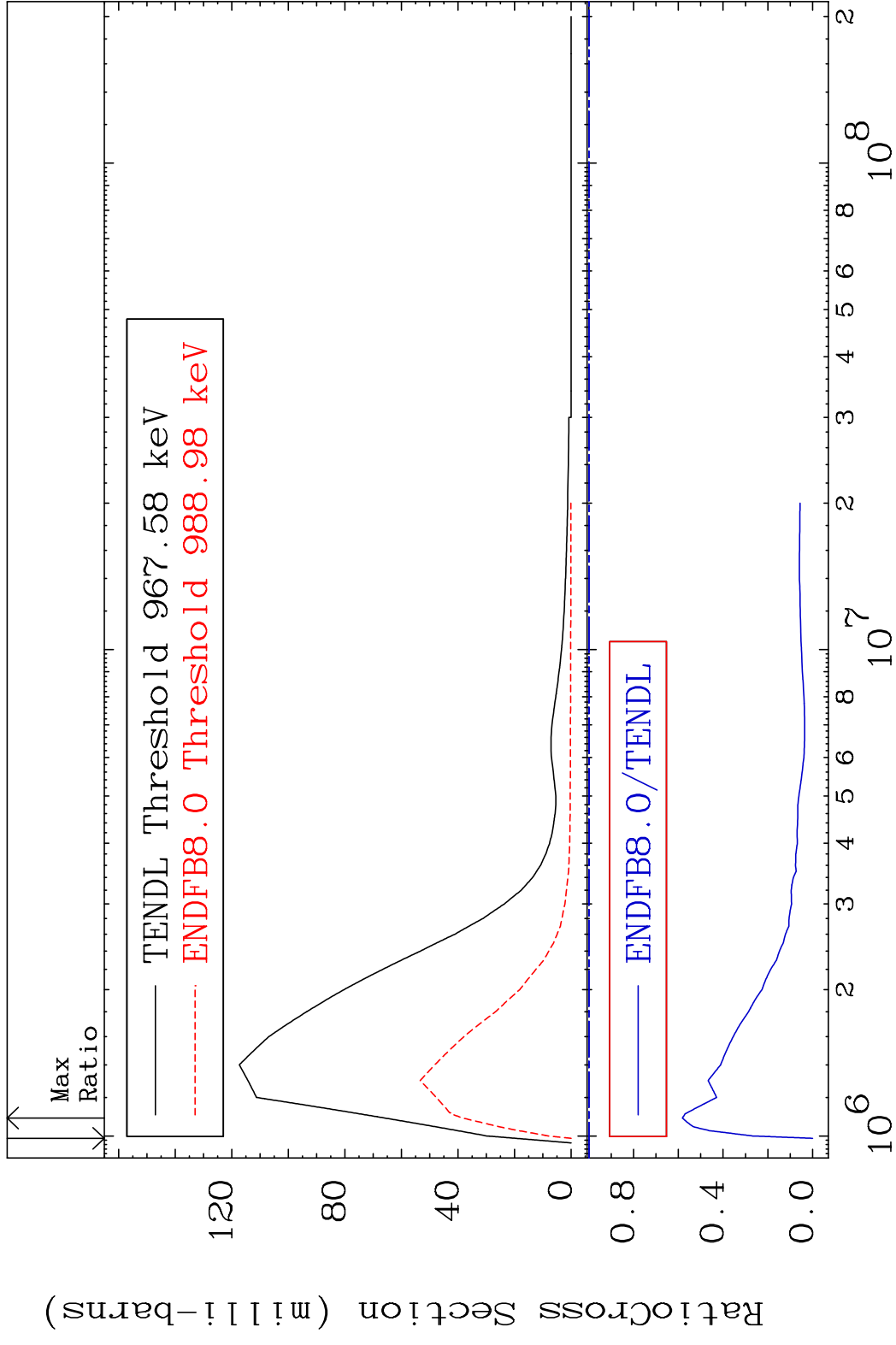
MAT 9637 MT= 55 (n, n') Level 96-Cm-244  
 Cross Section -100.0 To 9999. %



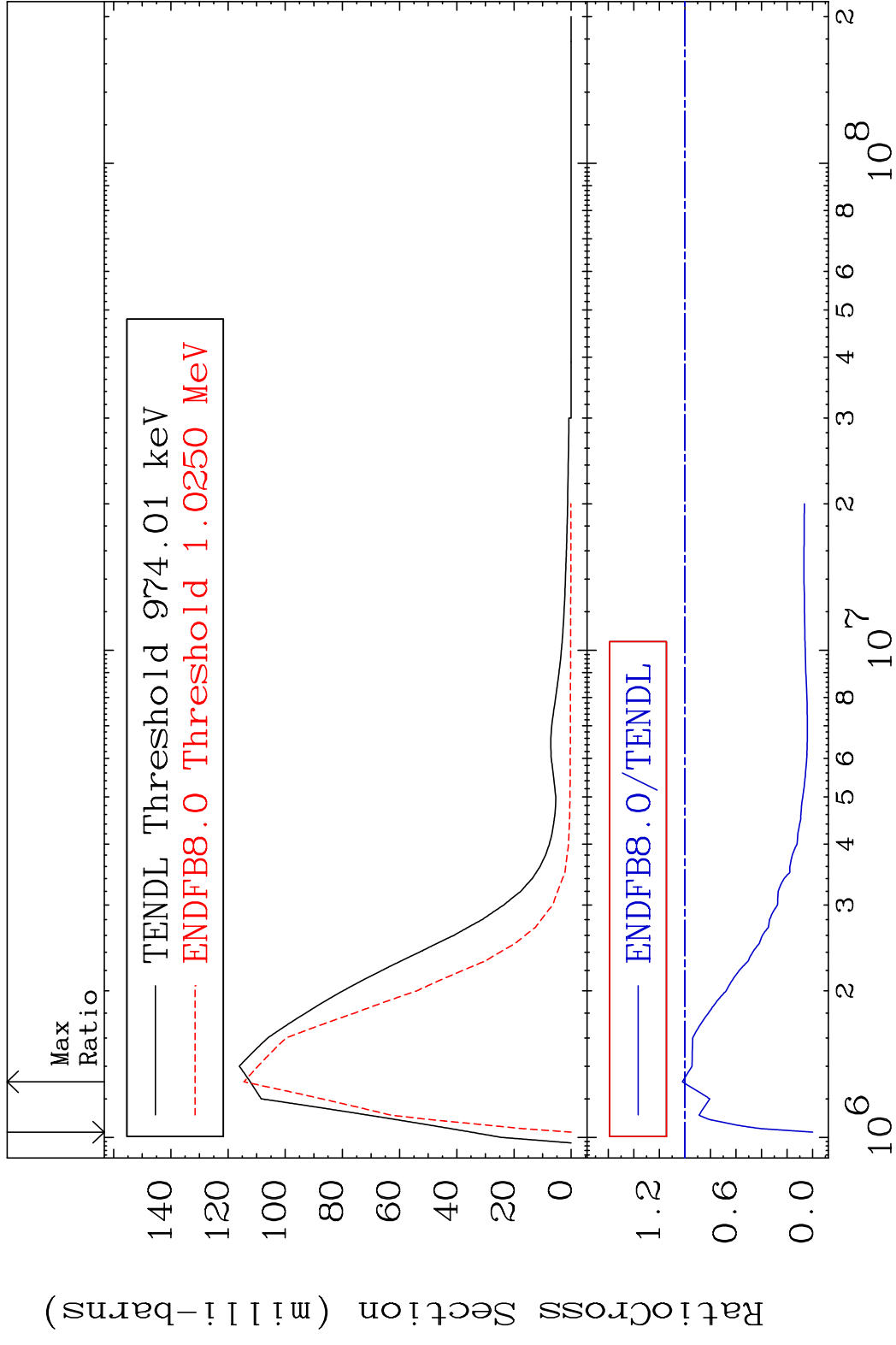
15 Incident Energy (eV) 96-Cm-244



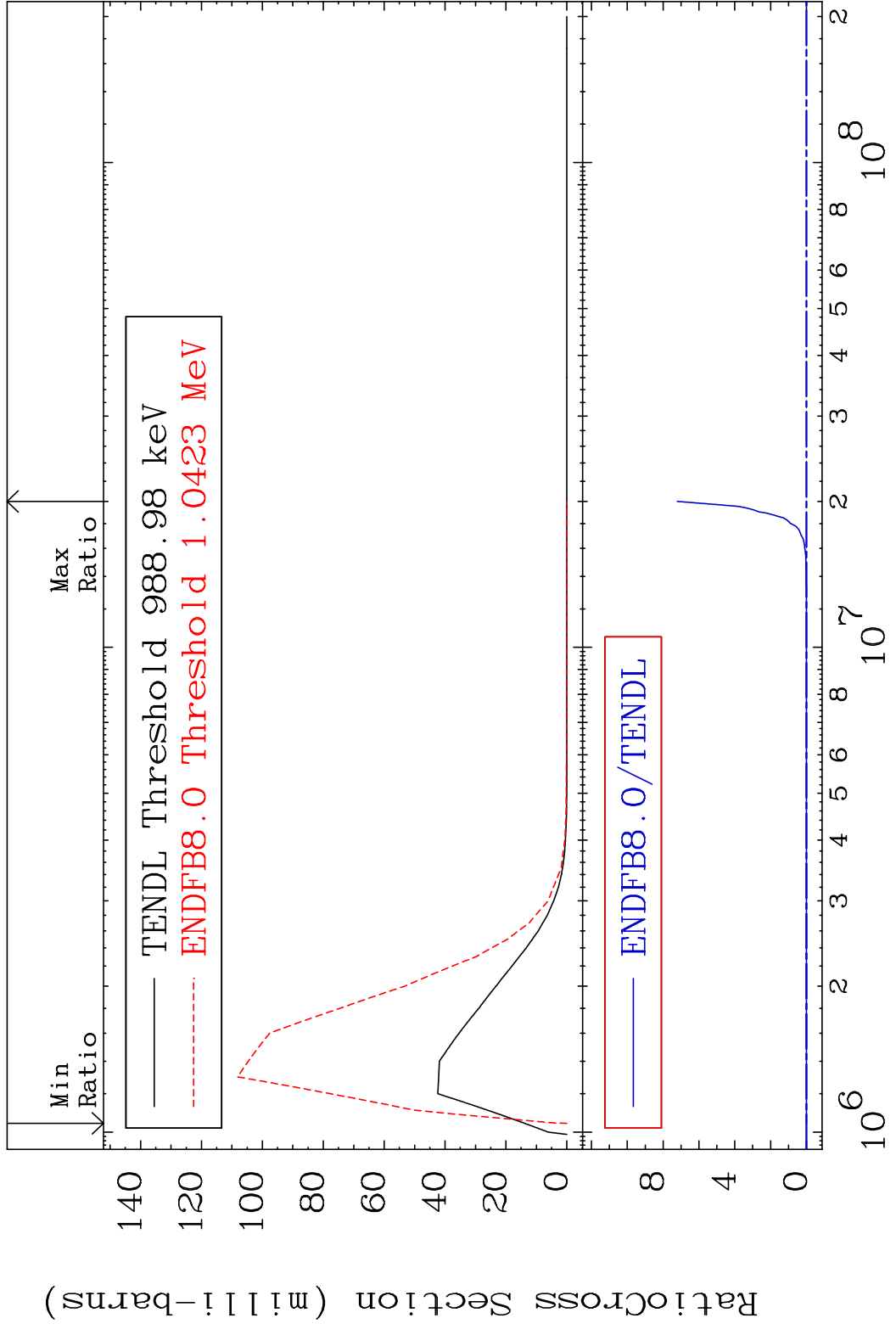
MAT 9637 MT= 56 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To -41.79%



MAT 9637 MT= 57 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To 1.948 %

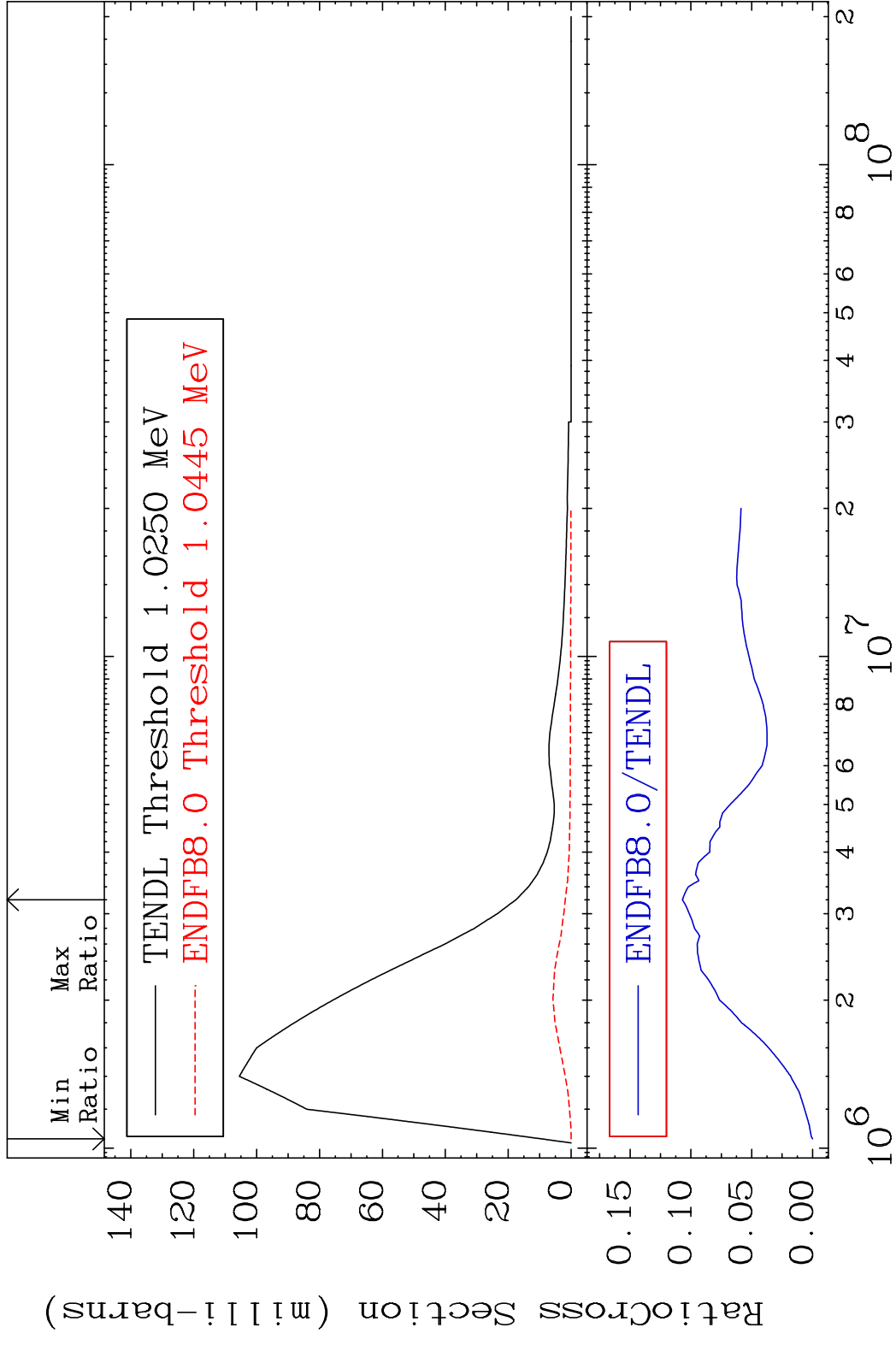


MAT 9637 MT= 58 (n, n') Level 96-Cm-244  
 Cross Section -100.0 To 9999. %



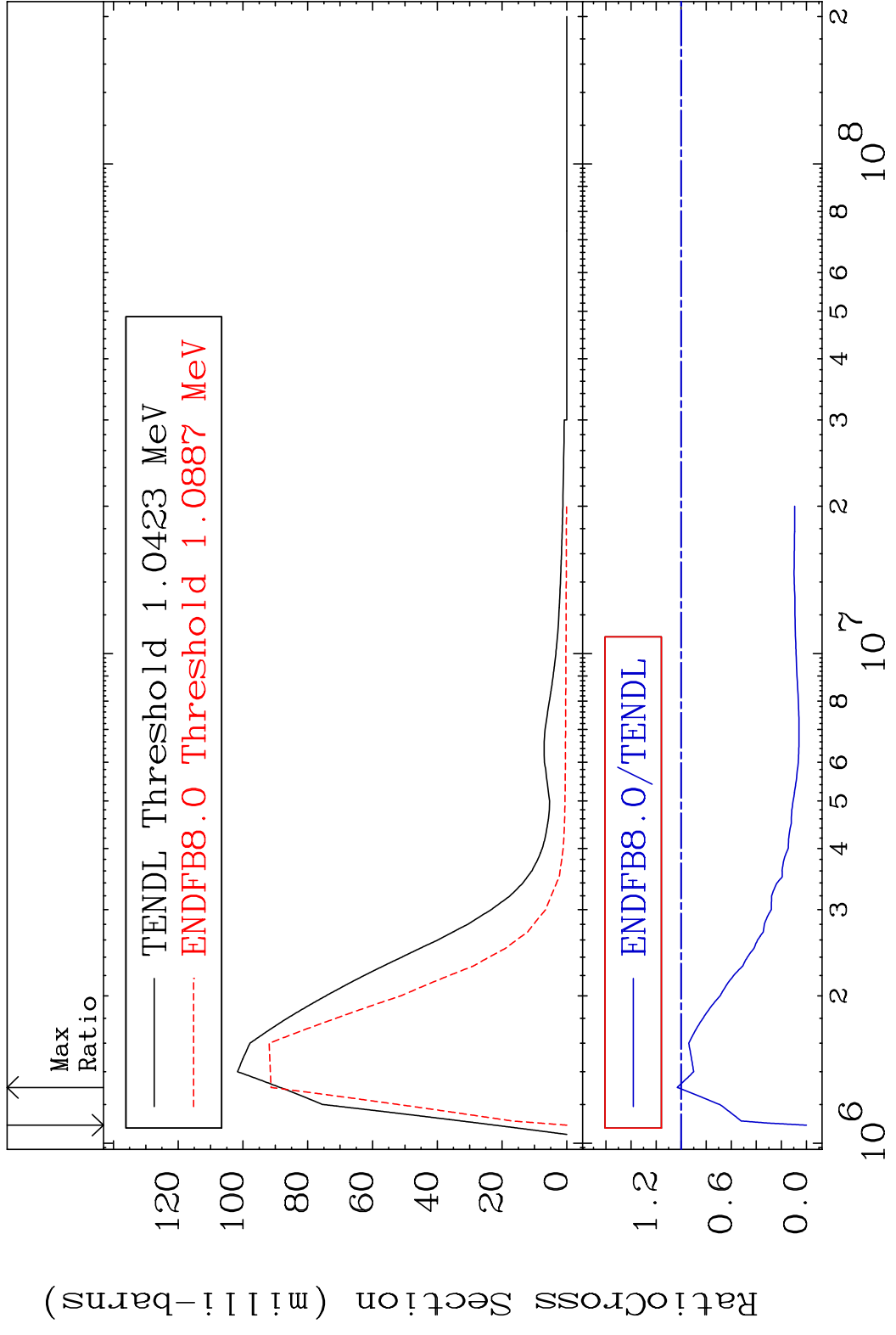
18 Incident Energy (eV) 96-Cm-244

MAT 9637 MT= 59 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To -89.30%

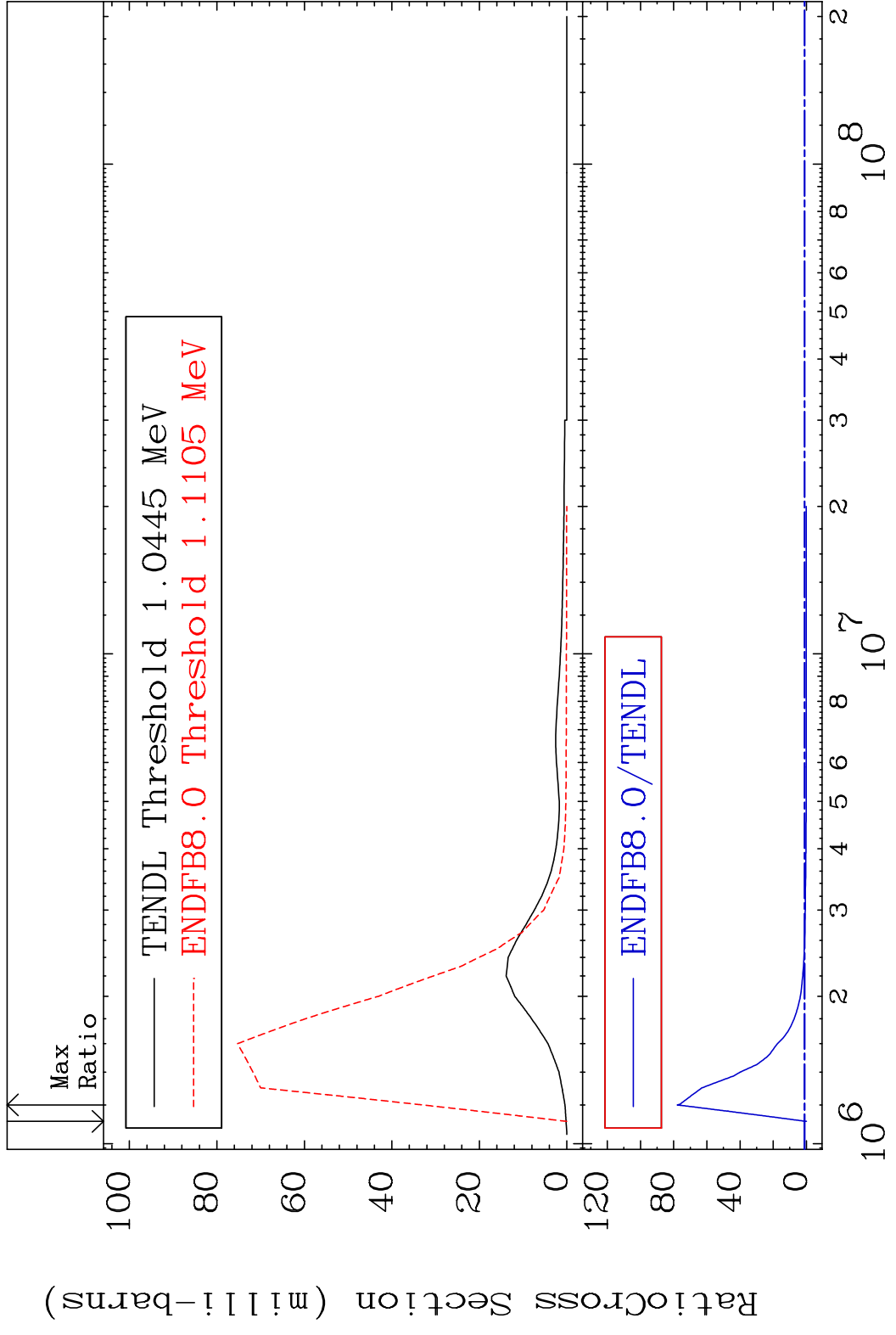


19 Incident Energy (eV) 96-Cm-244

MAT 9637 MT= 60 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To 3.145 %



MAT 9637 MT= 61 (n,n') Level 96-Cm-244  
 Cross Section -100.0 To 7687. %

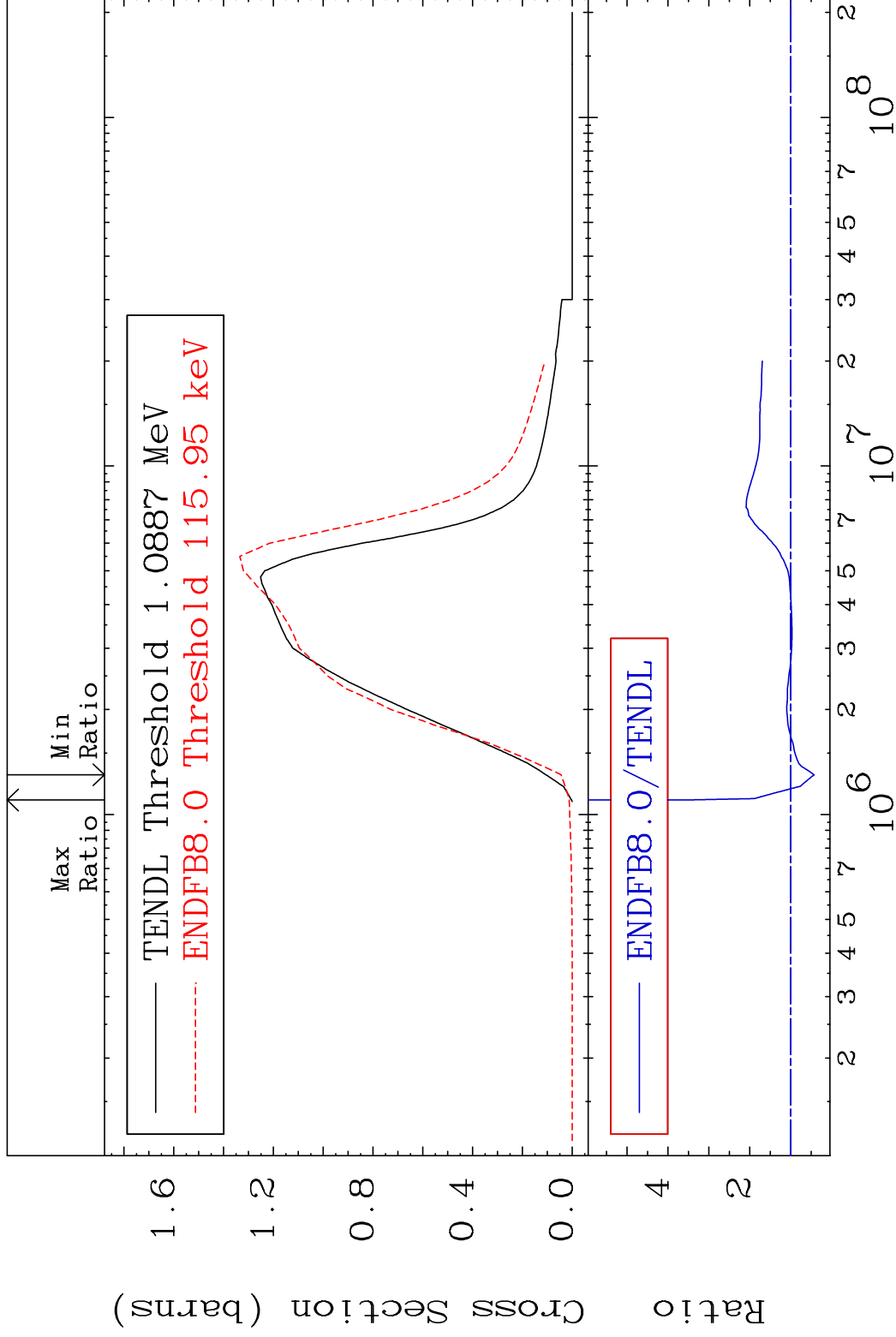


MAT 9637

(n, n') Continuum

96-Cm-244

Cross Section -57.33 To 261.6 %



22

Incident Energy (eV)

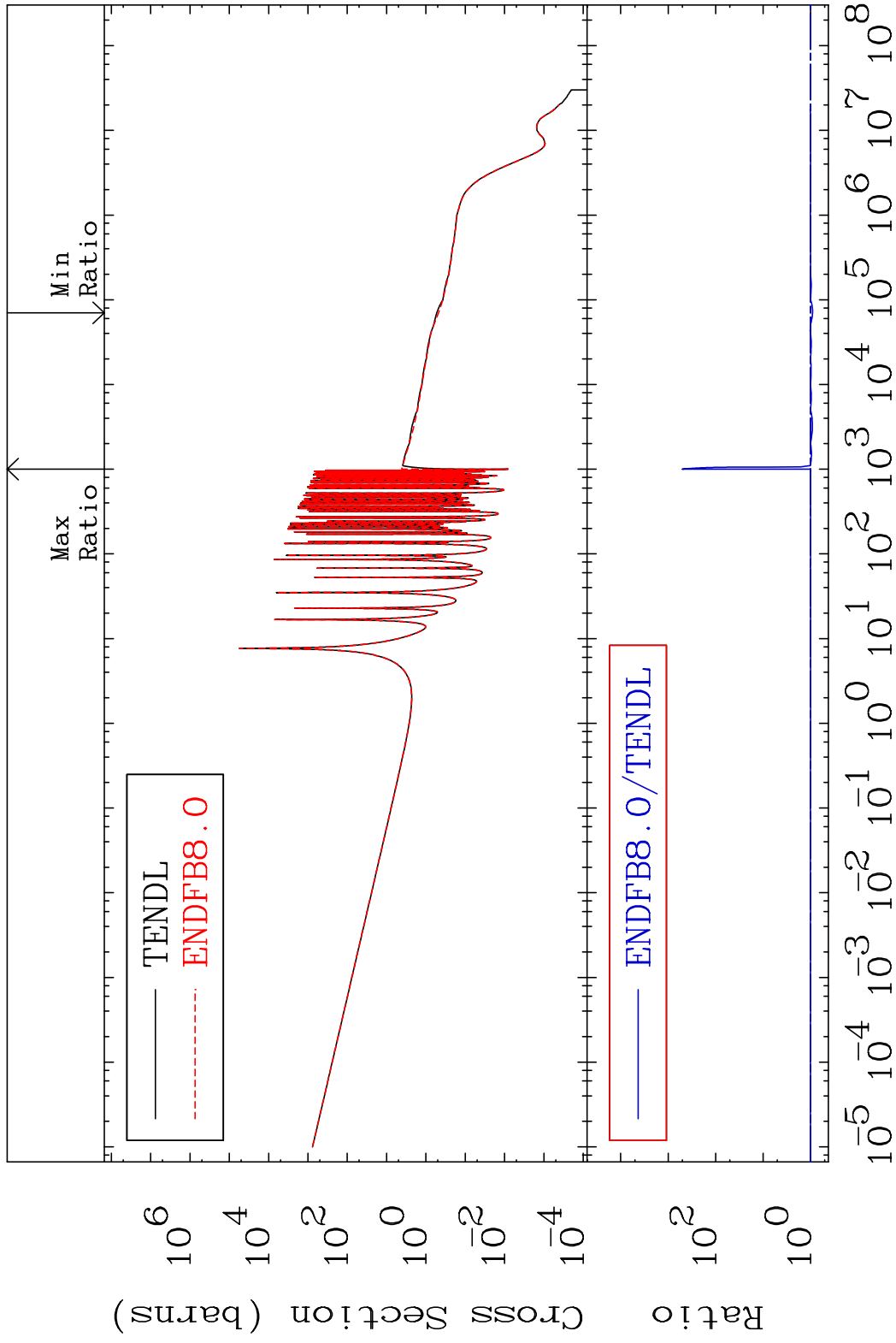
96-Cm-244

MAT 9637

(n,  $\gamma$ )

96-Cm-244

Cross Section -9.737 To 9999. %



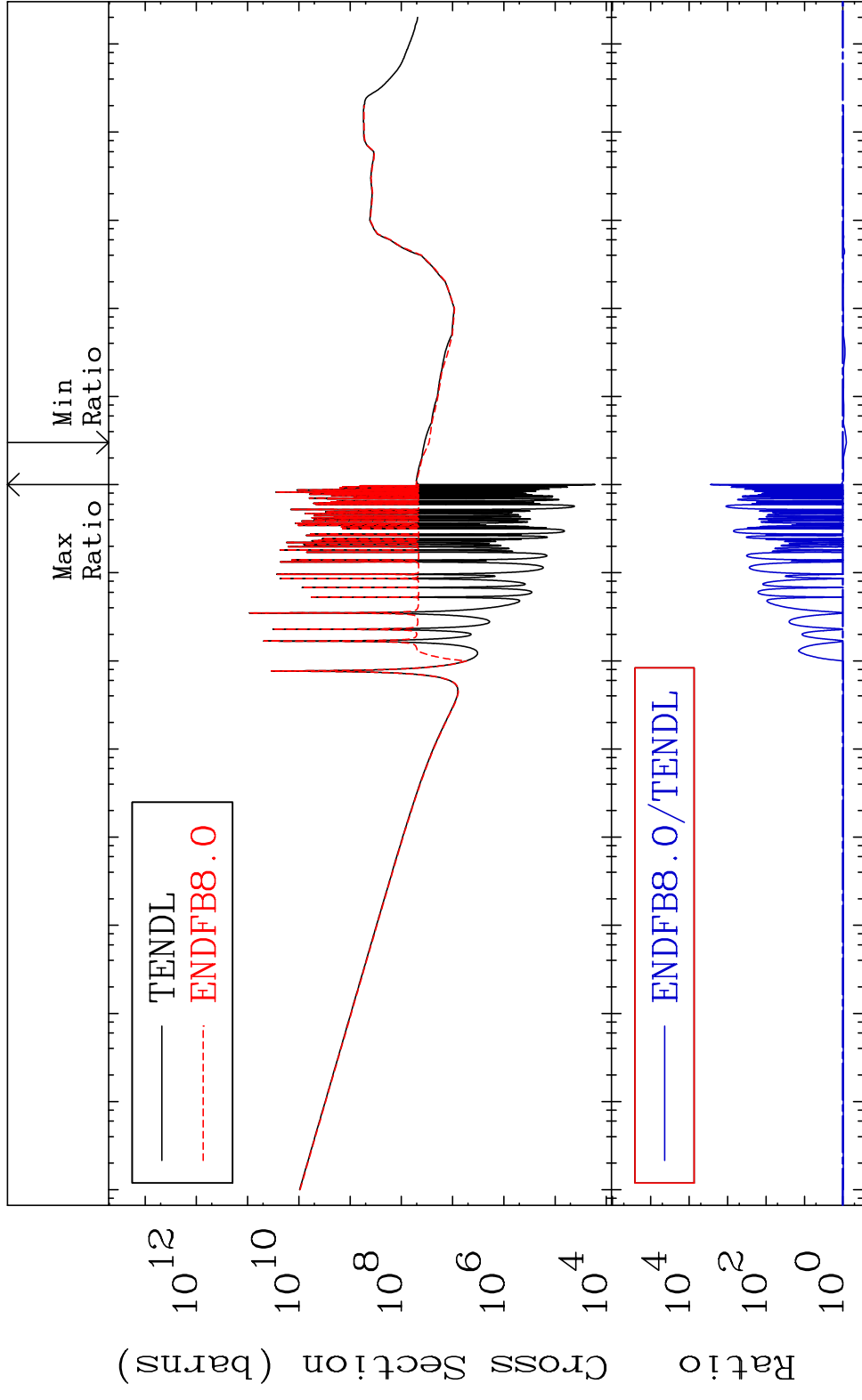
23

Incident Energy (eV)

96-Cm-244



MAT 9637 Kerma total (eV-barns) 96-Cm-244  
 Cross Section -18.57 To 9999. %

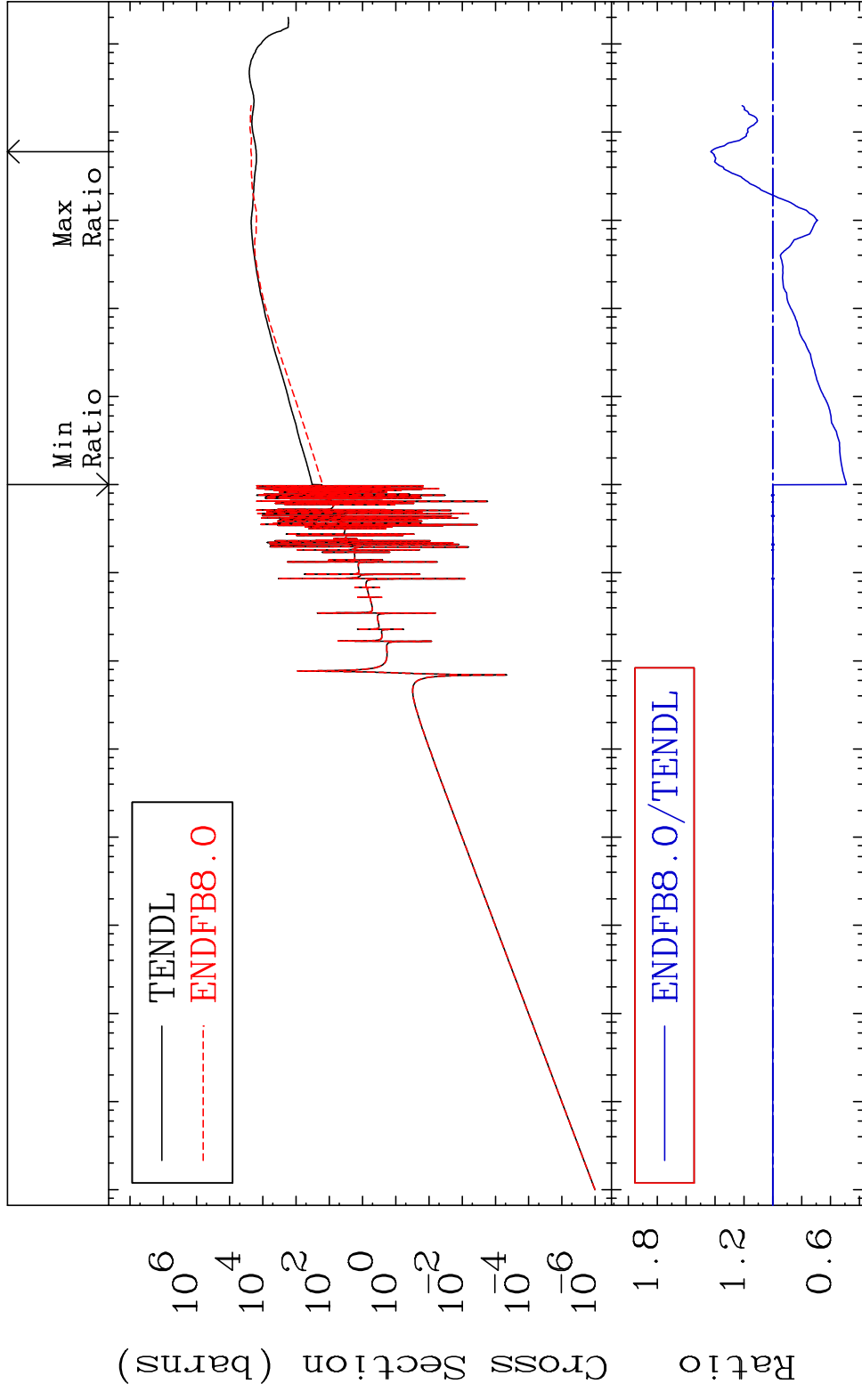


24 Incident Energy (eV) 96-Cm-244

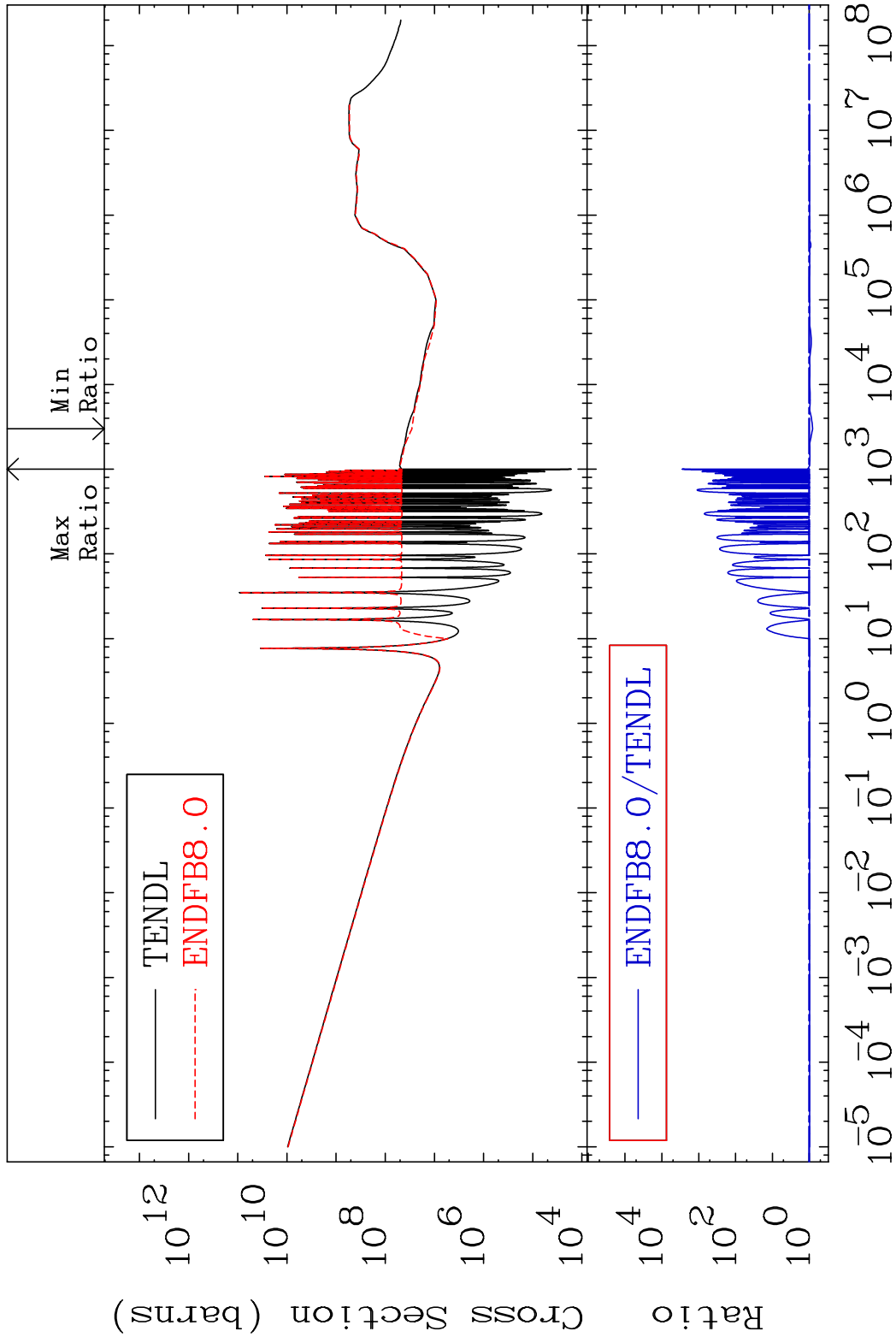
MAT 9637

Kerma elastic  
Cross Section -50.90

96-Cm-244  
To 43.00 %

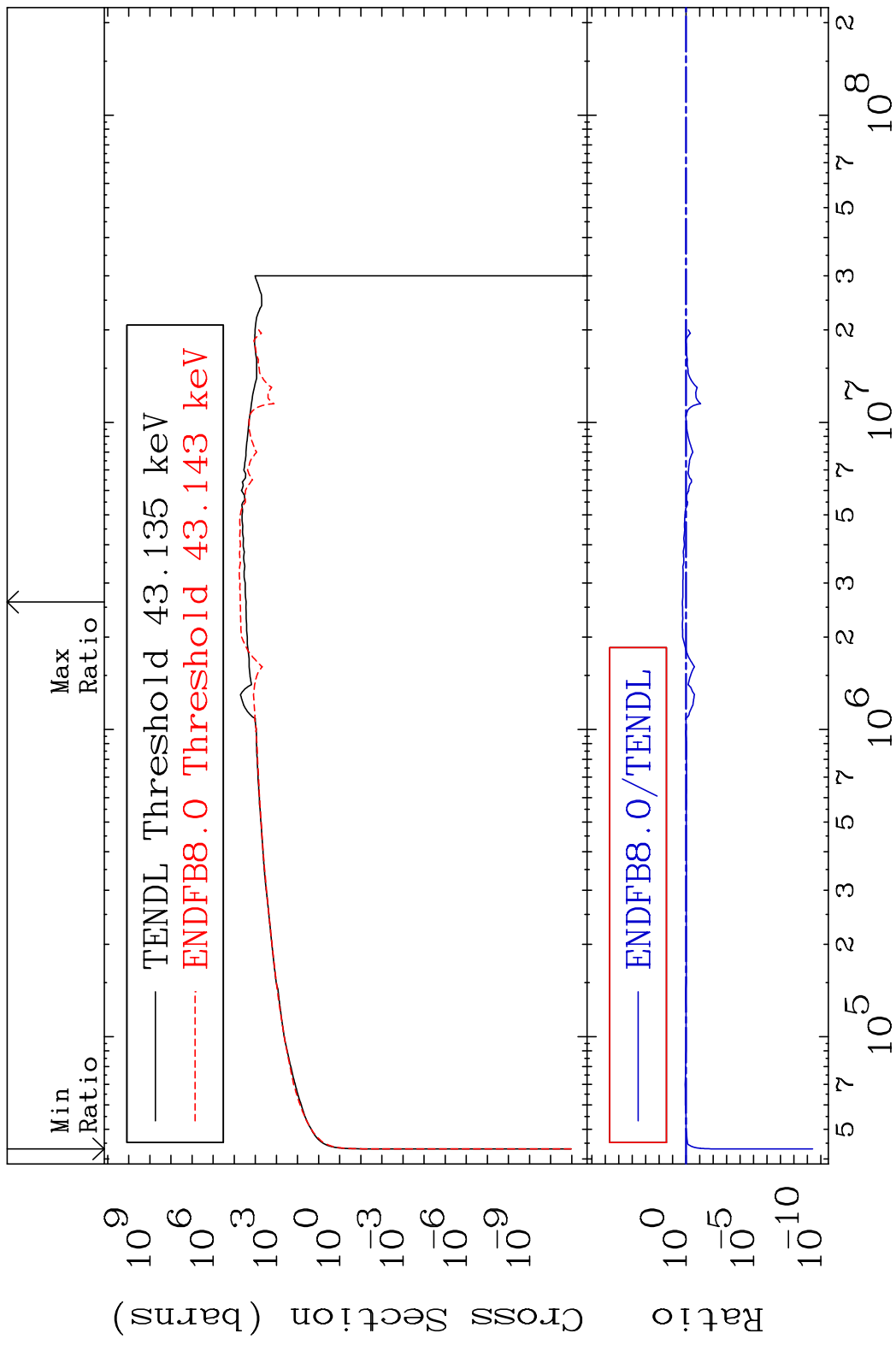


MAT 9637 Kerma non-elastic (all but mt2) 96-Cm-244  
 Cross Section -18.57 To 9999. %

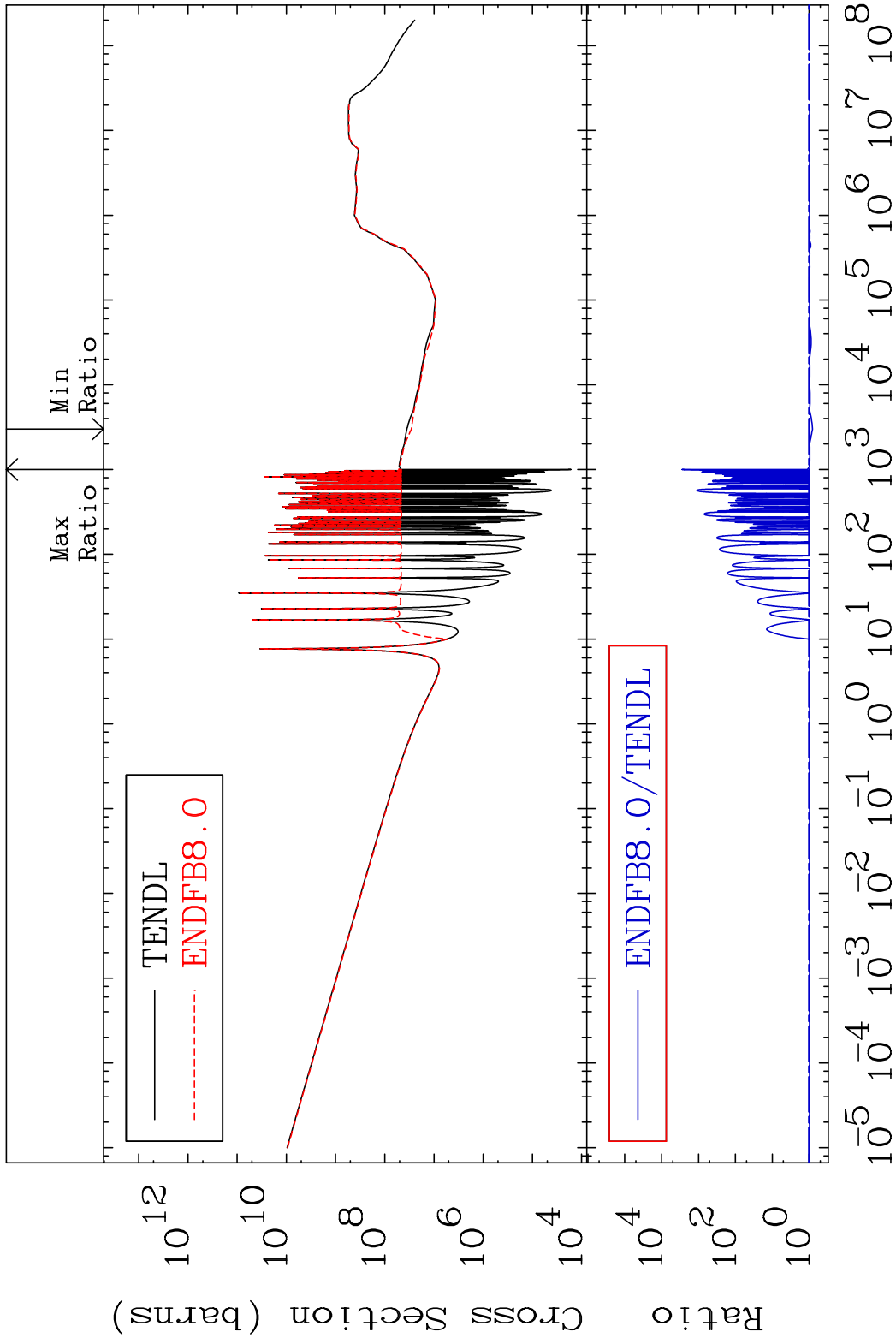


26 Incident Energy (eV) 96-Cm-244

MAT 9637 Kerma inelastic (mt51-91) 96-Cm-244  
 Cross Section -100.0 To 91.29 %

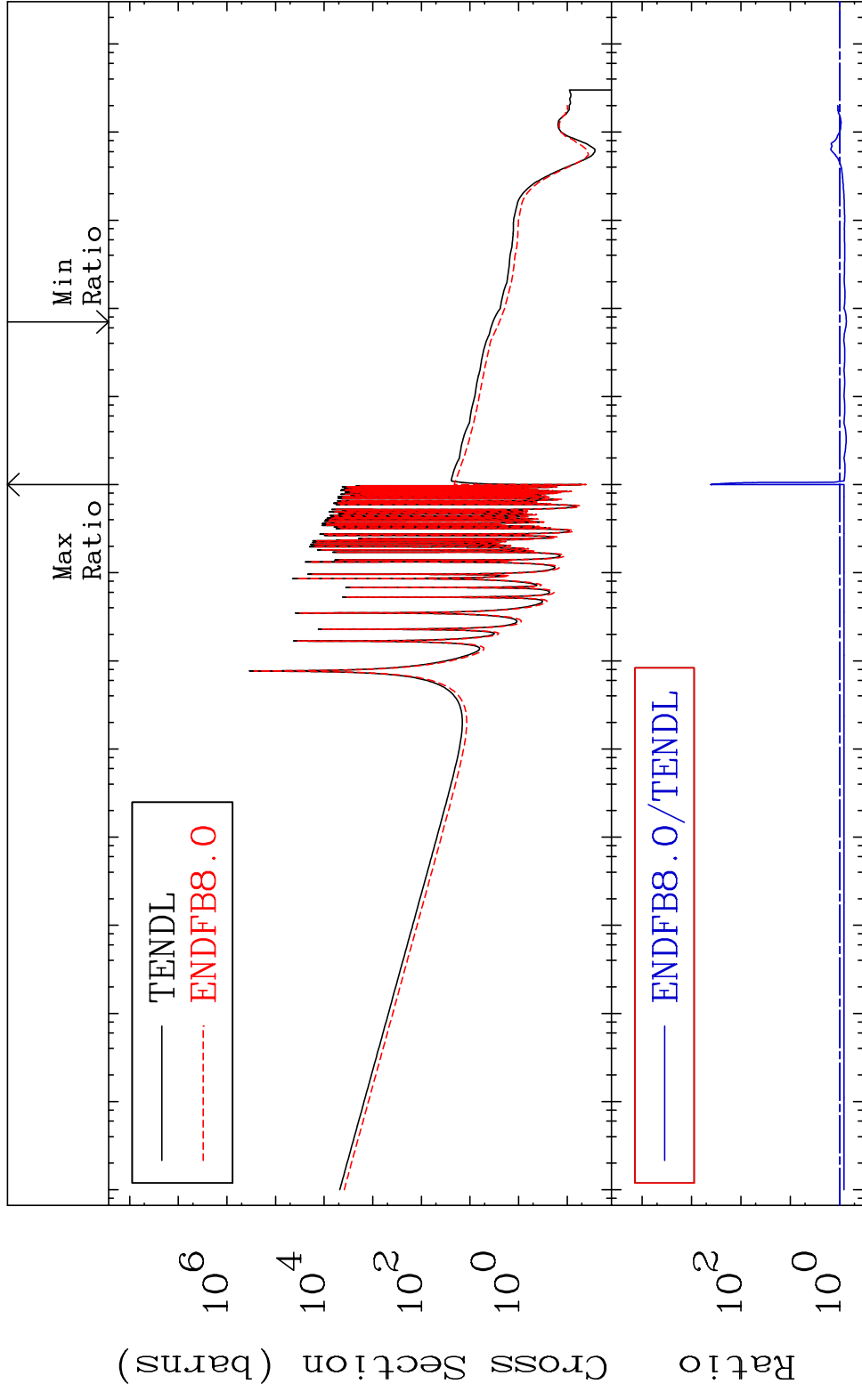


MAT 9637 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-244  
 Cross Section -18.57 To 9999. %



MAT 9637

Kerma capture (mt102) 96-Cm-244  
Cross Section -26.78 To 9999. %



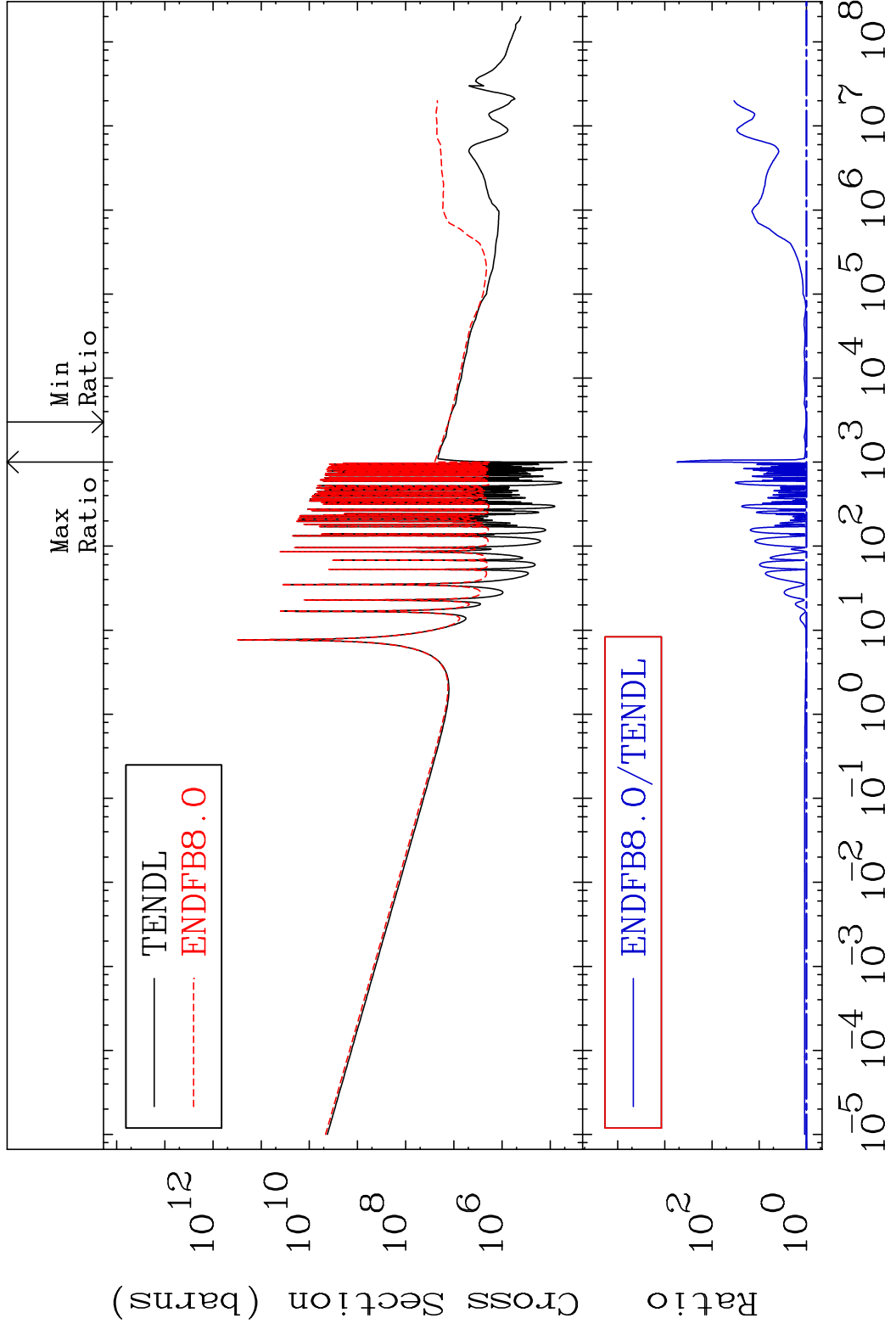
29

Incident Energy (eV)

96-Cm-244

MAT 9637

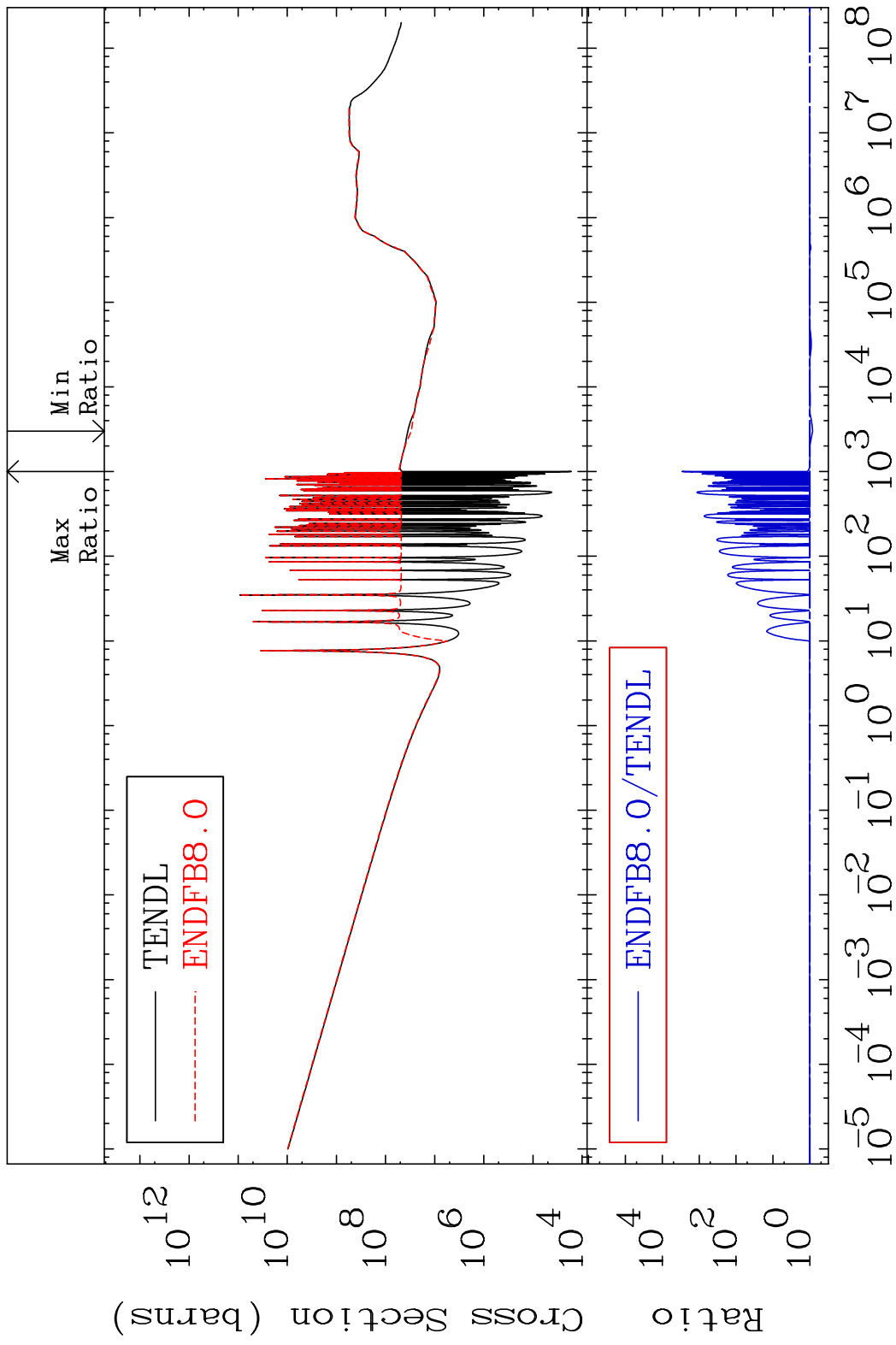
Total photon (eV-barns) 96-Cm-244  
Cross Section -0.074 To 9999. %



30

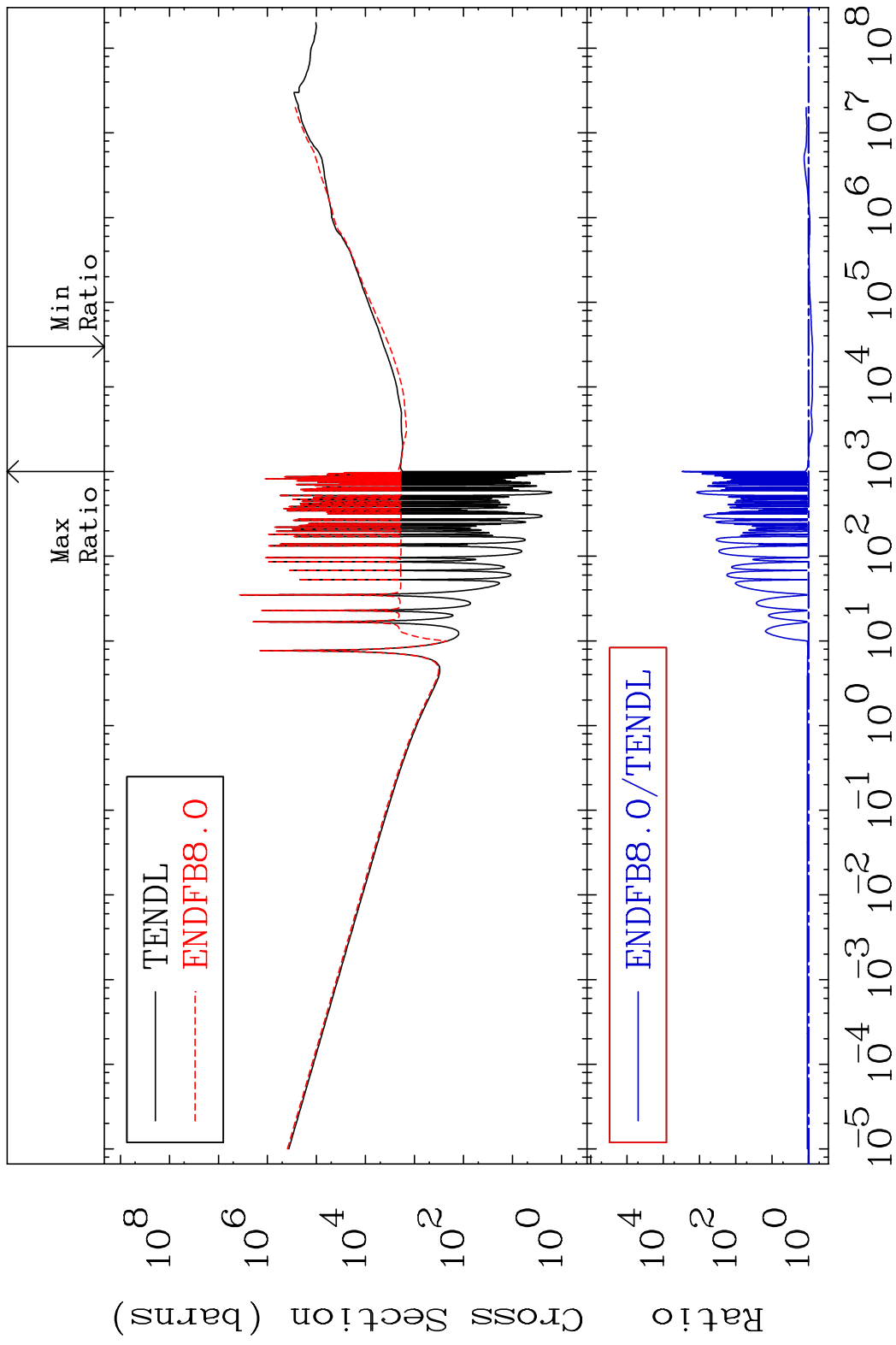
Incident Energy (eV) 96-Cm-244

MAT 9637 Total kinematic kerma (high limit) 96-Cm-244  
 Cross Section -15.40 To 9999. %





MAT 9637      Dpa total (eV-barns)      96-Cm-244  
 Cross Section      -23.18 To 9999. %



32      Incident Energy (eV)      96-Cm-244

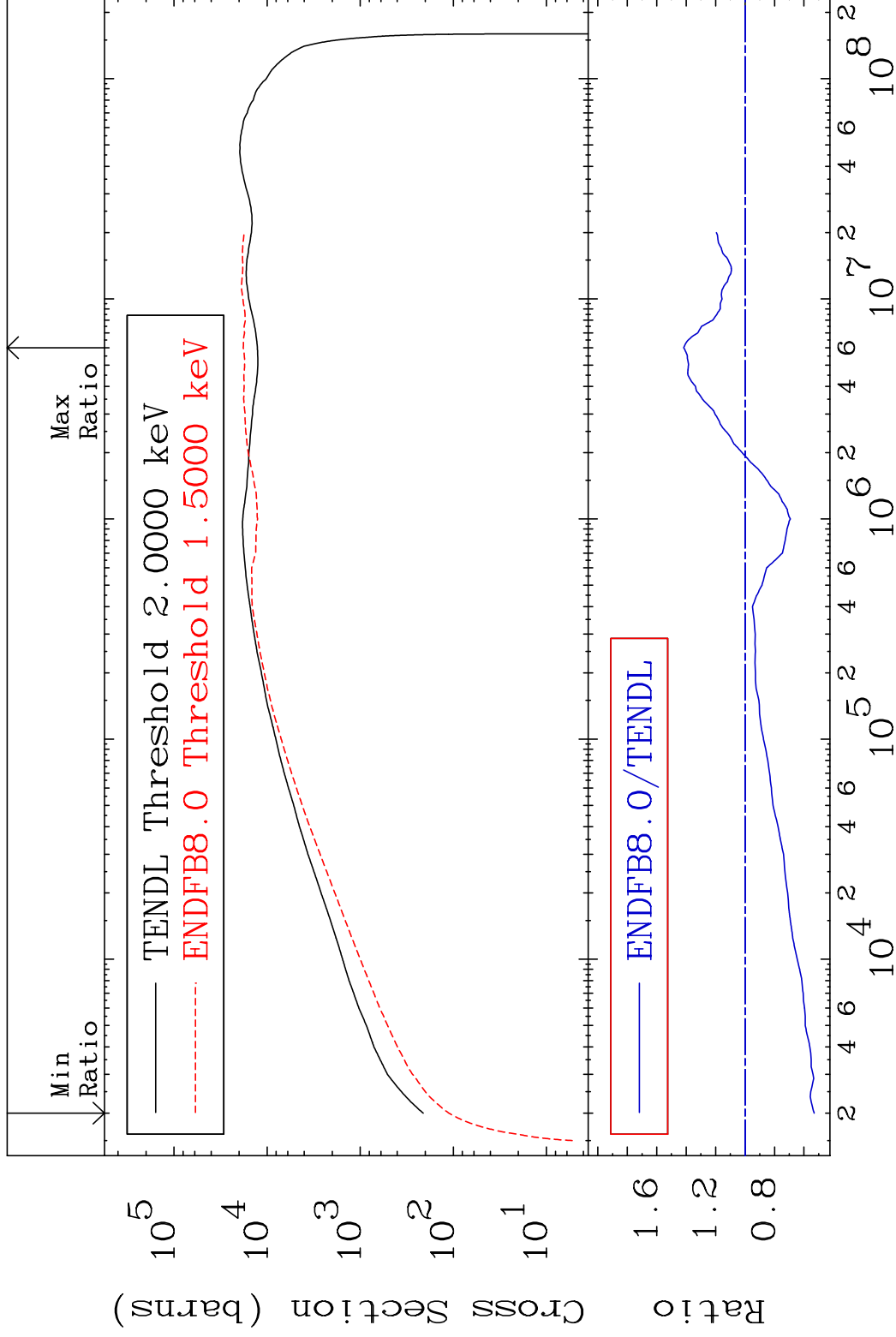
MAT 9637

Dpa elastic (mt2)

96-Cm-244

Cross Section

-46.87 To 41.71 %

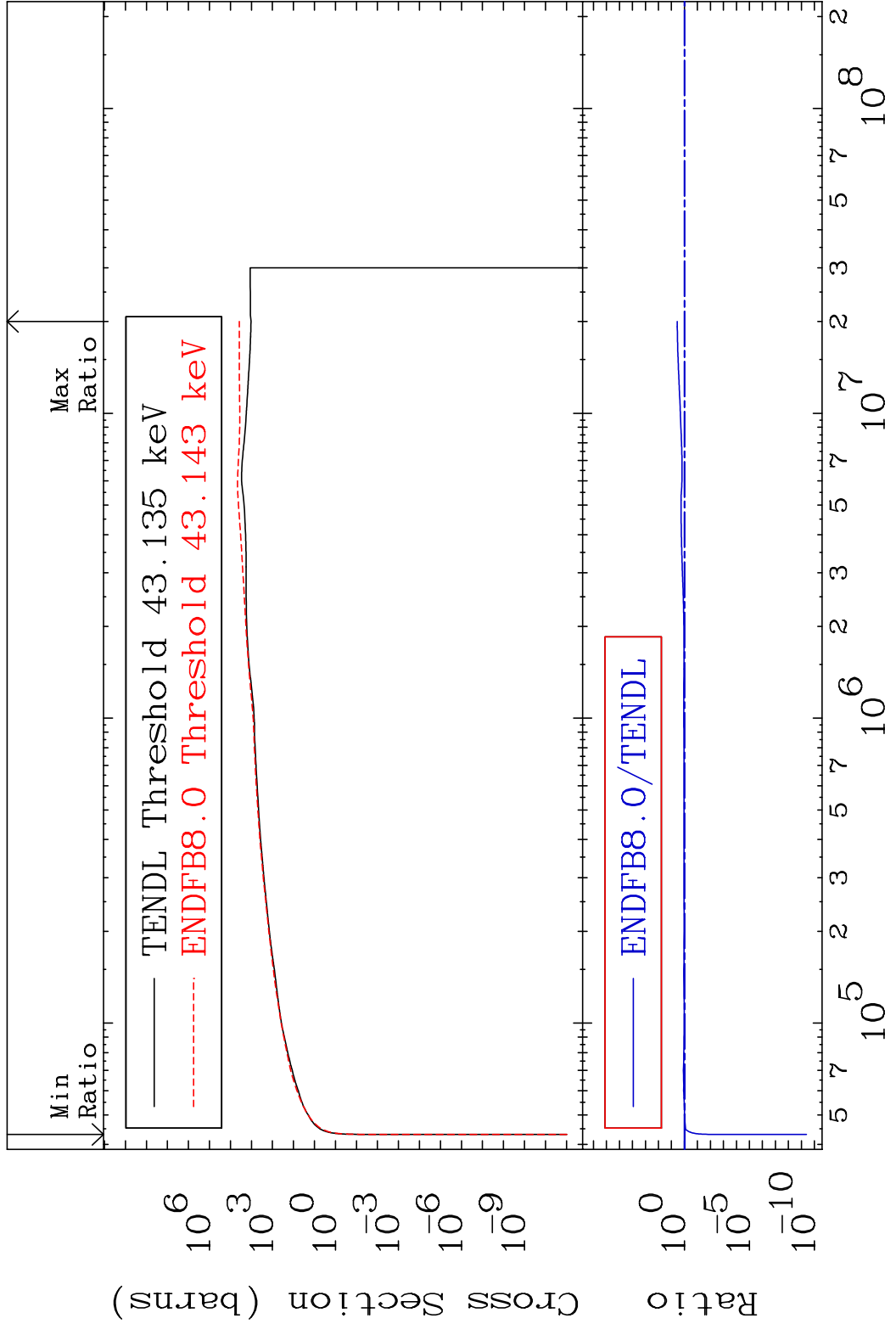


33

Incident Energy (eV)

96-Cm-244

MAT 9637 Dpa inelastic (mt51-91) 96-Cm-244  
 Cross Section -100.0 To 260.7 %



MAT 9637 Dpa disappearance (mt102 -120) 96-Cm-244  
 Cross Section -100.0 To 9999. %

