

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

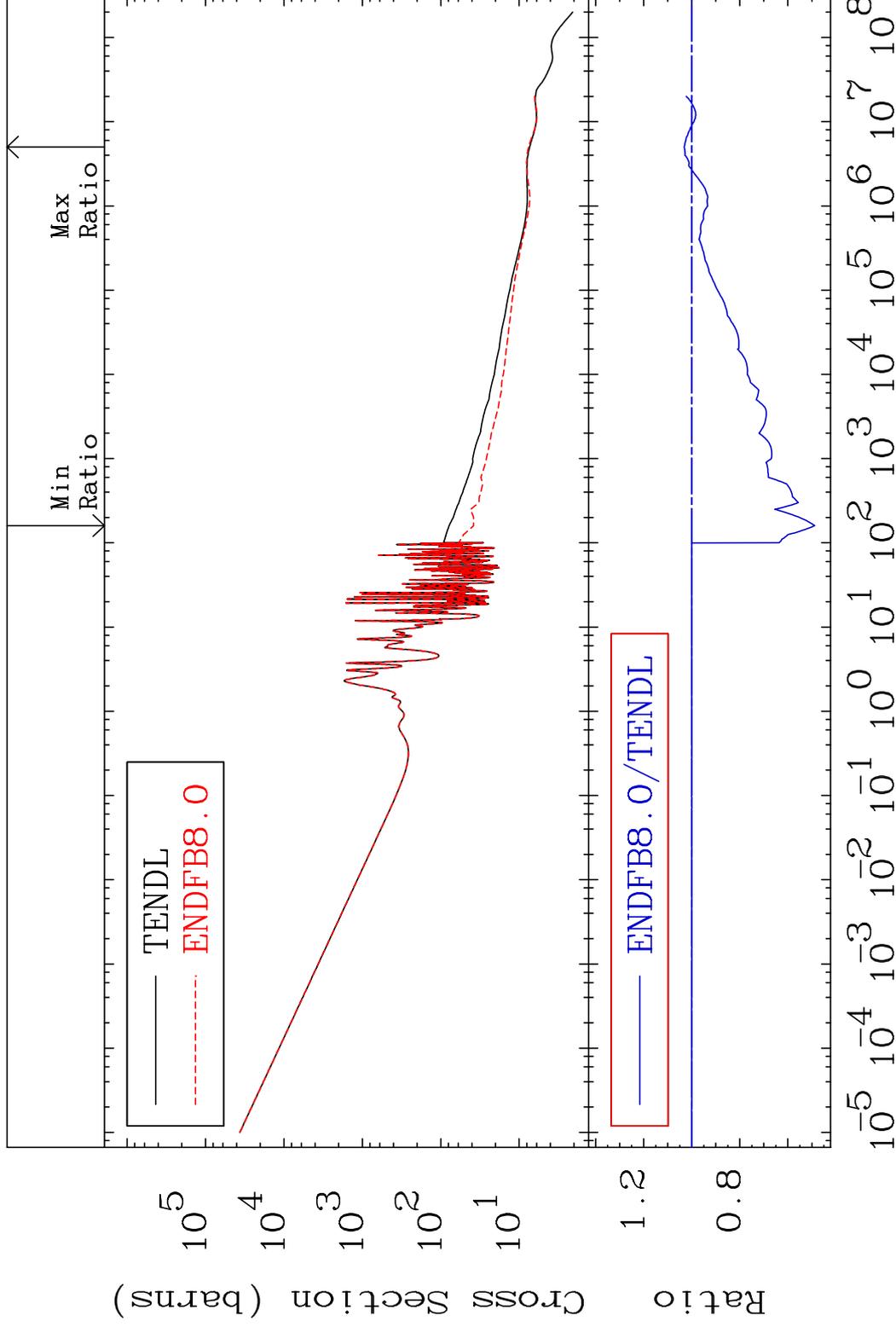
MAT 9634

Total

96-Cm-243

Cross Section

-51.16 To 3.167 %



1

Incident Energy (eV)

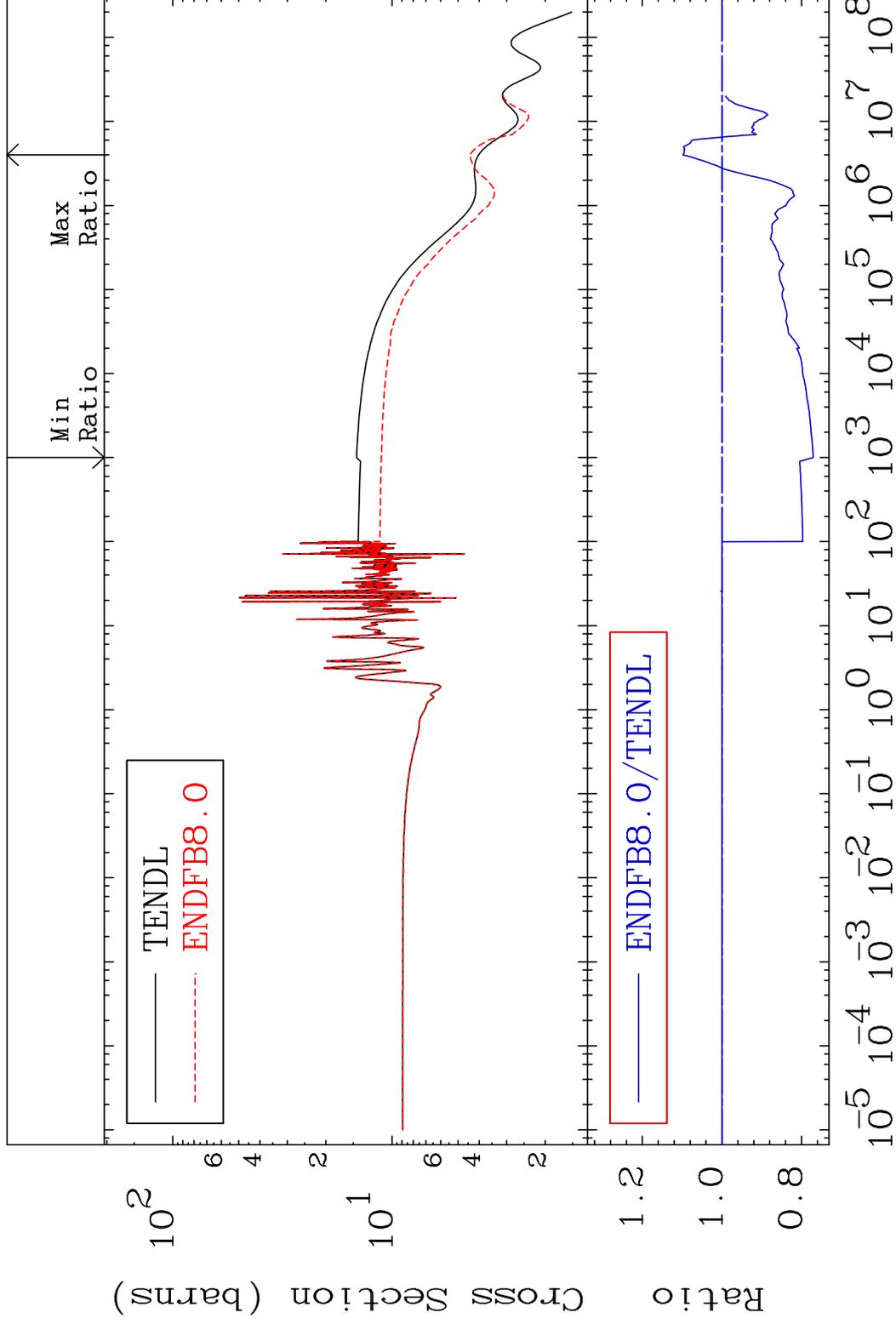
96-Cm-243

MAT 9634

Elastic

96-Cm-243

Cross Section -22.92 To 9.818 %



2

Incident Energy (eV)

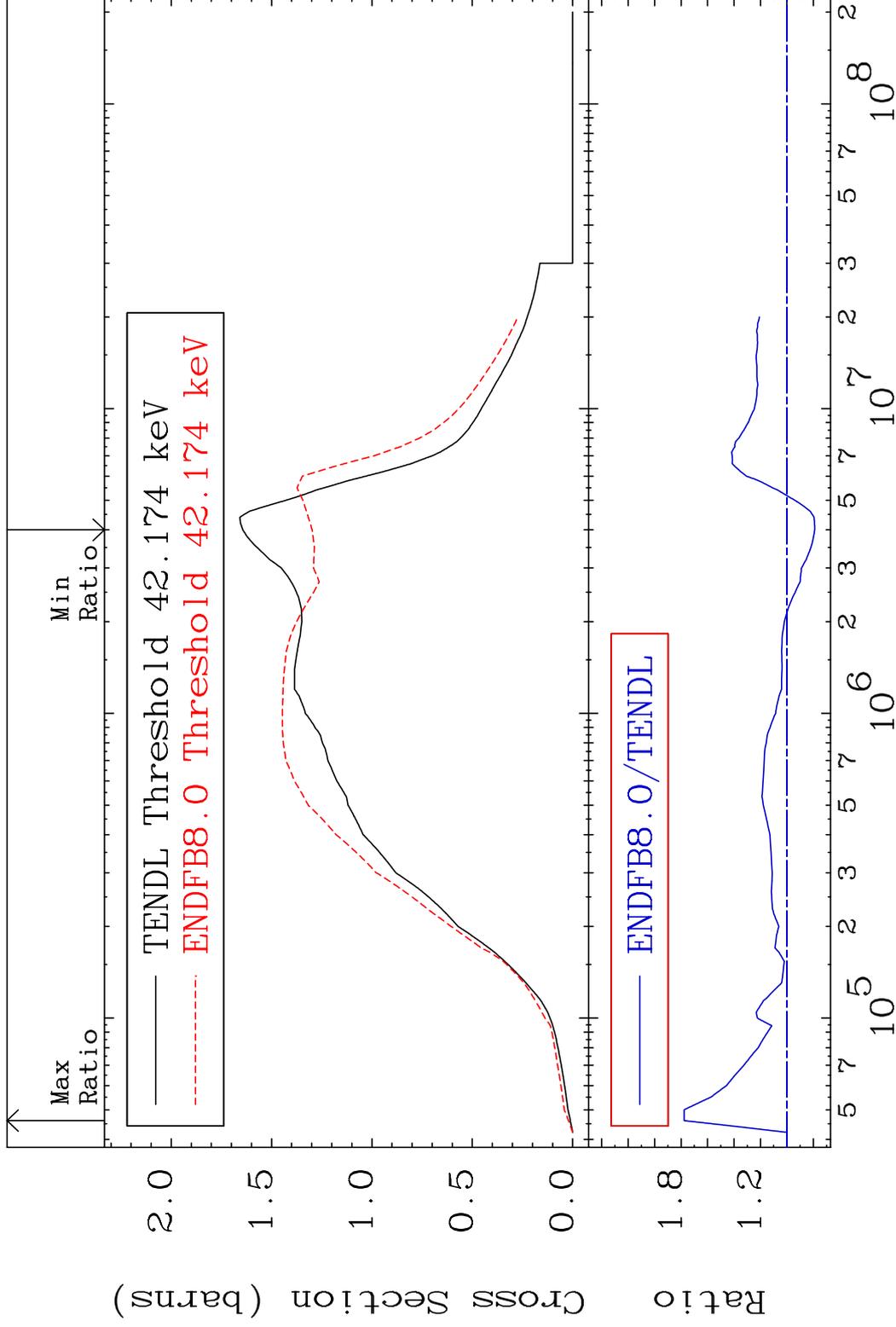
96-Cm-243

MAT 9634

Inelastic

96-Cm-243

Cross Section -21.01 To 77.69 %



3

Incident Energy (eV)

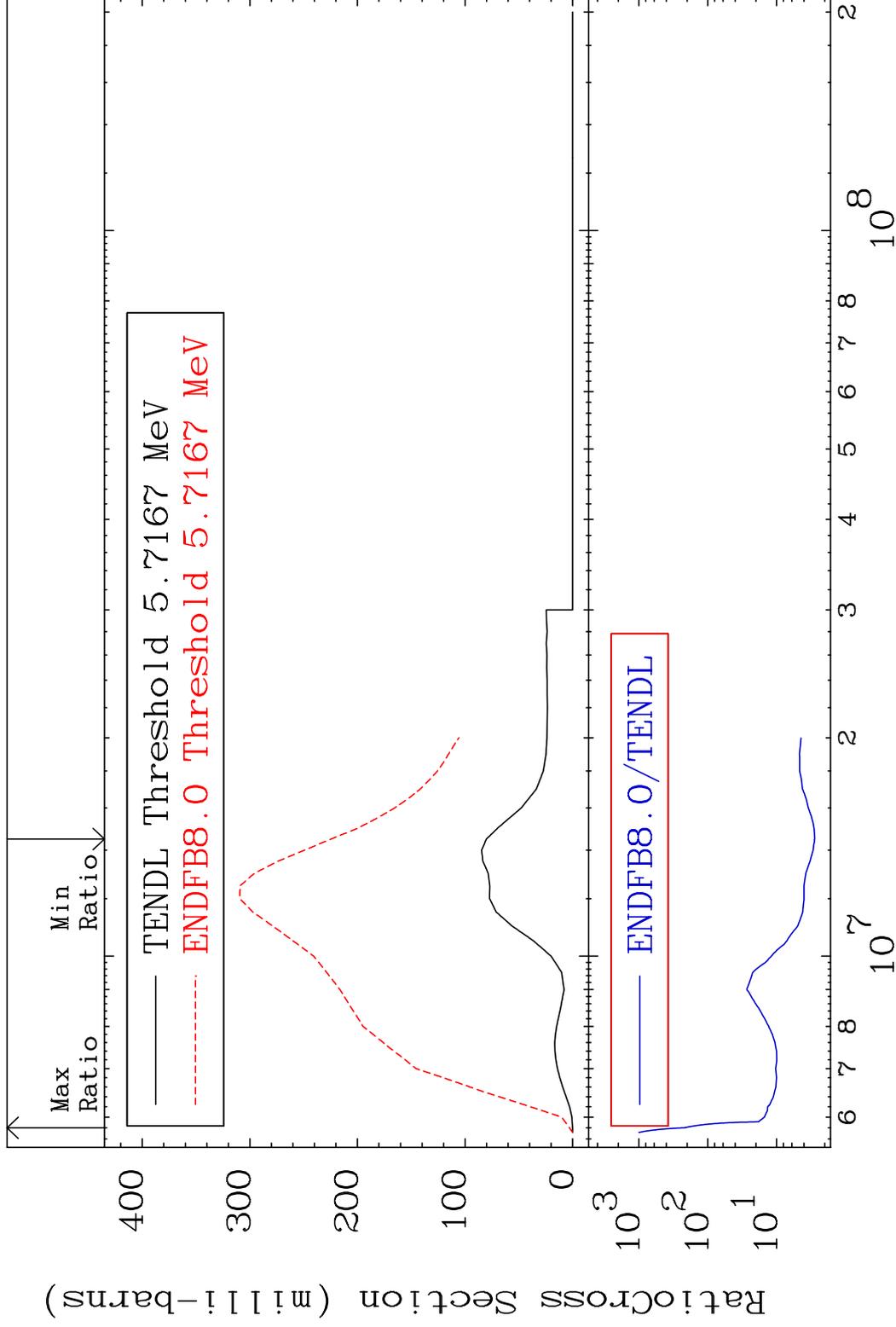
96-Cm-243

MAT 9634

(n,2n)

96-Cm-243

Cross Section 180.2 To 9999. %



4

Incident Energy (eV)

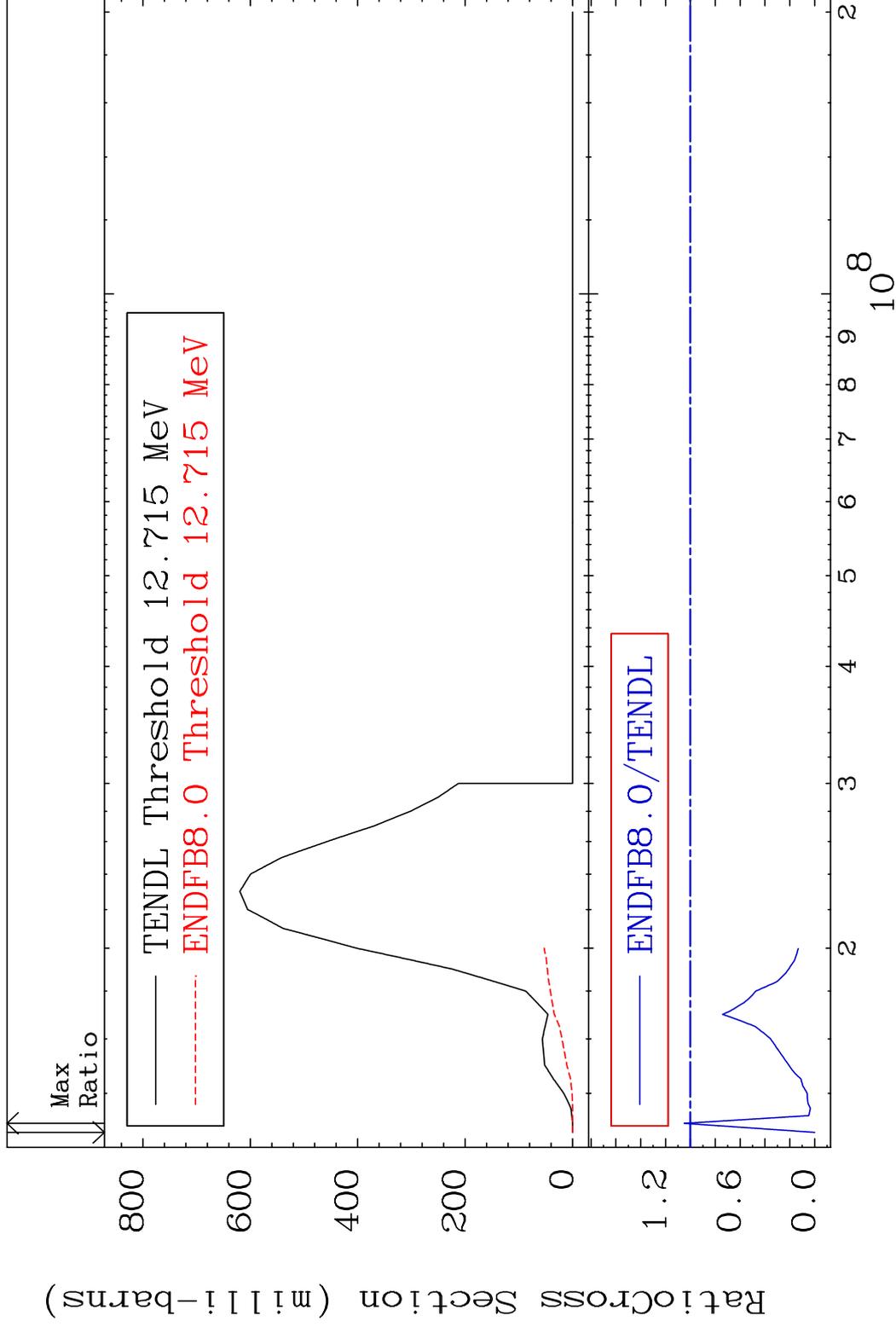
96-Cm-243

MAT 9634

(n,3n)

96-Cm-243

Cross Section -100.0 To 5.054 %



5

Incident Energy (eV)

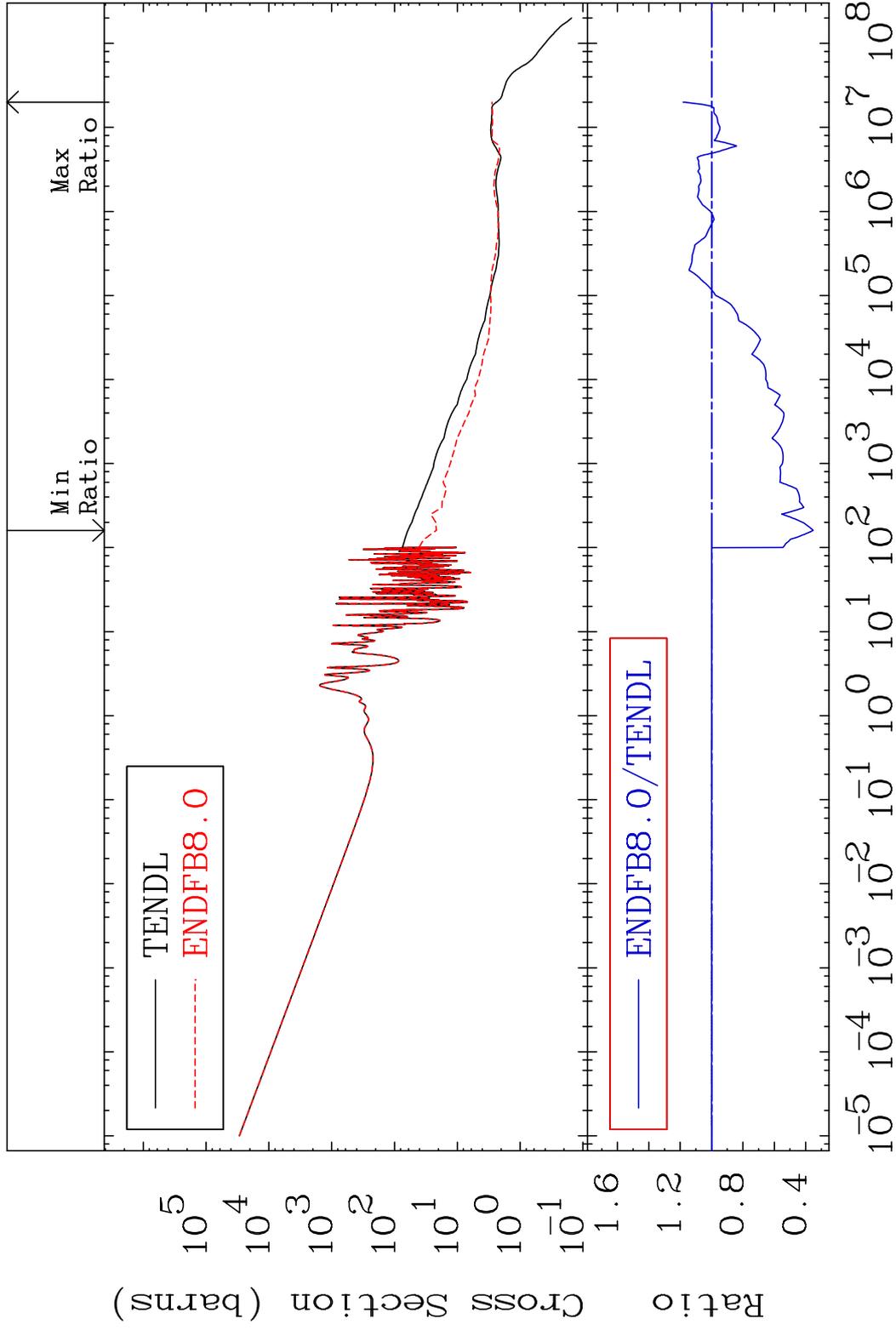
96-Cm-243

MAT 9634

Fission

96-Cm-243

Cross Section -64.75 To 18.31 %



6

Incident Energy (eV)

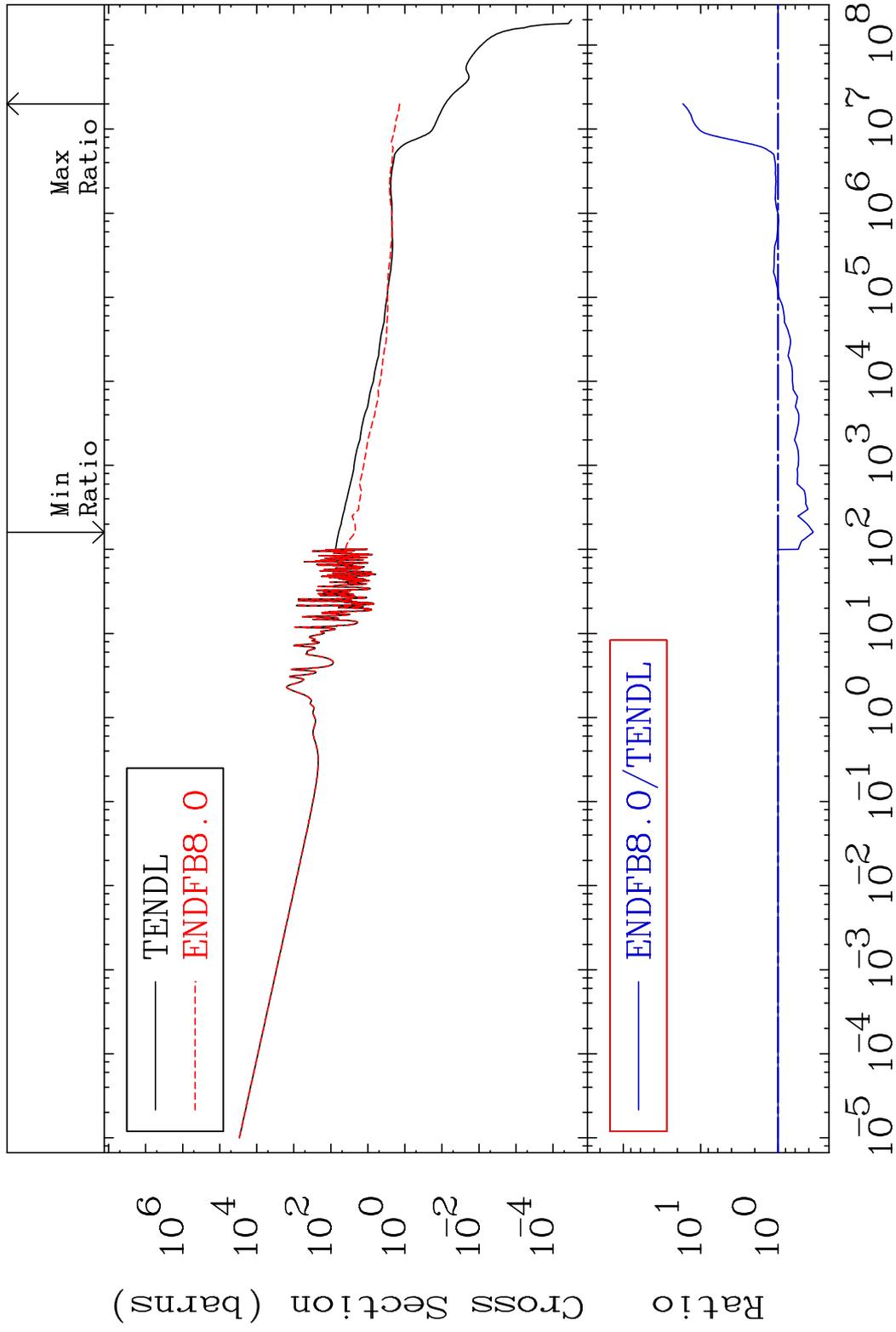
96-Cm-243

MAT 9634

(n,f) First Chance

96-Cm-243

Cross Section -64.75 To 1602. %

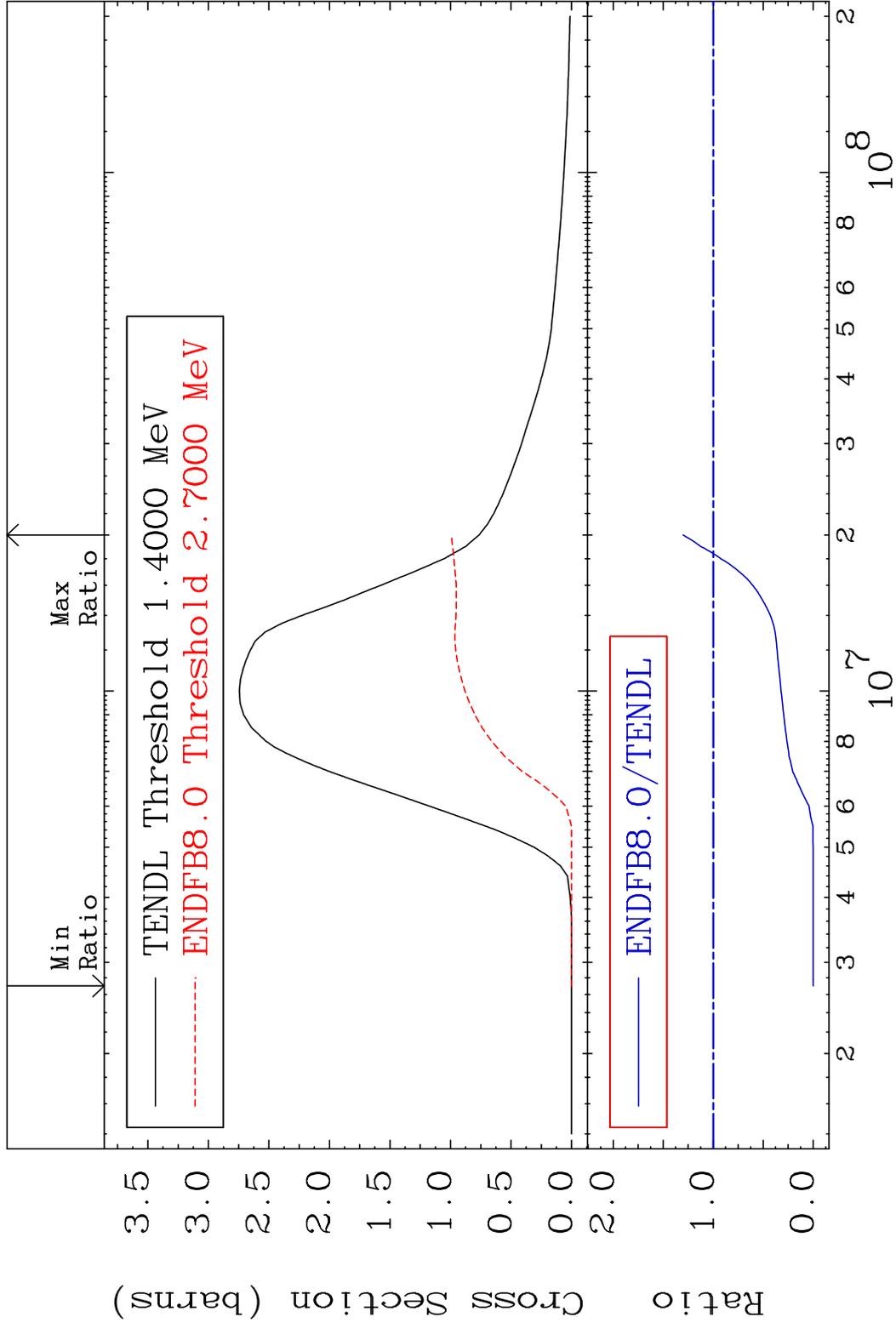


7

Incident Energy (eV)

96-Cm-243

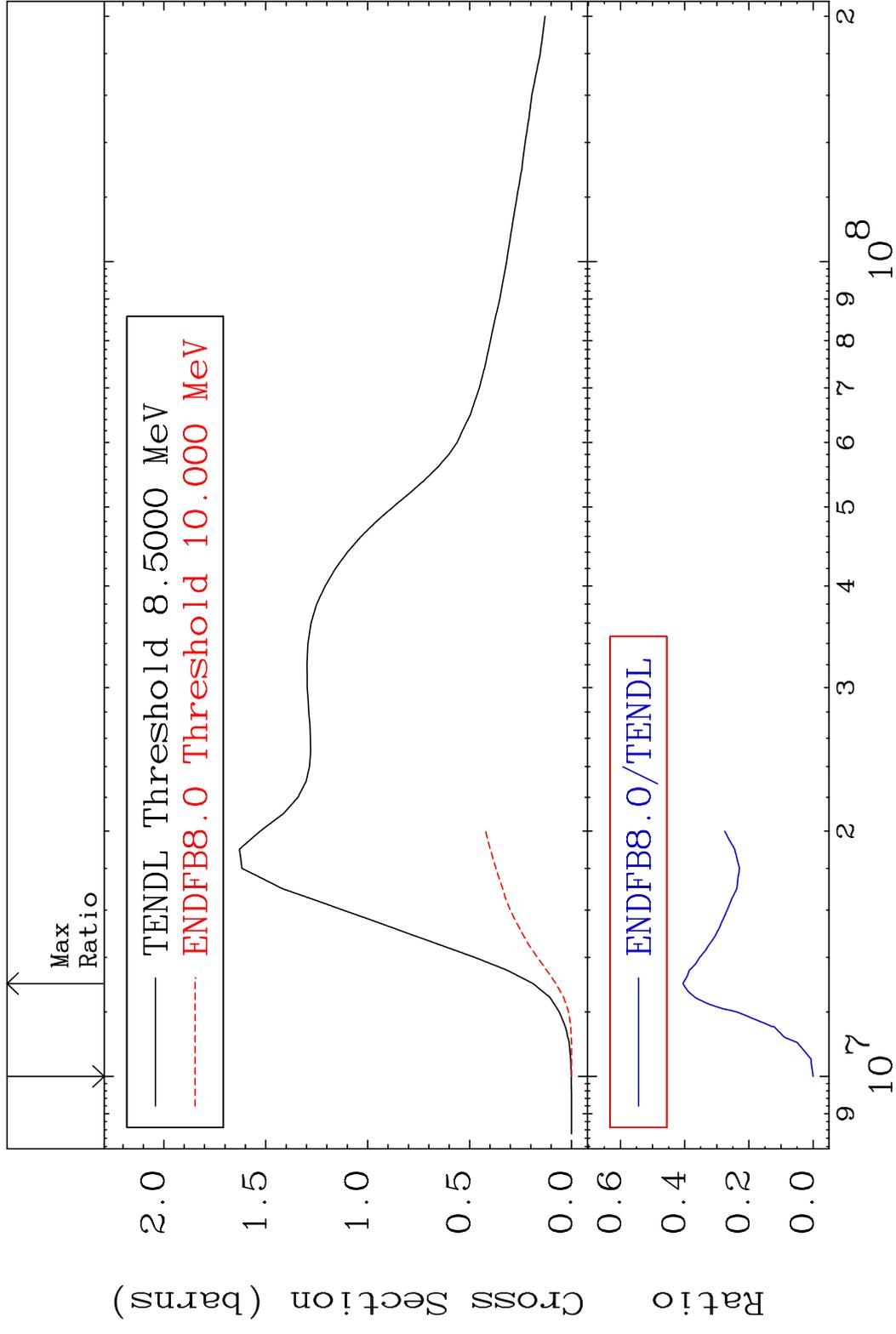
MAT 9634 (n, nf) Second Chance 96-Cm-243  
 Cross Section -100.0 To 30.32 %



8 Incident Energy (eV) 96-Cm-243

MAT 9634

(n,2nf) Third Chance 96-Cm-243  
Cross Section -100.0 To -59.42%



9

Incident Energy (eV)

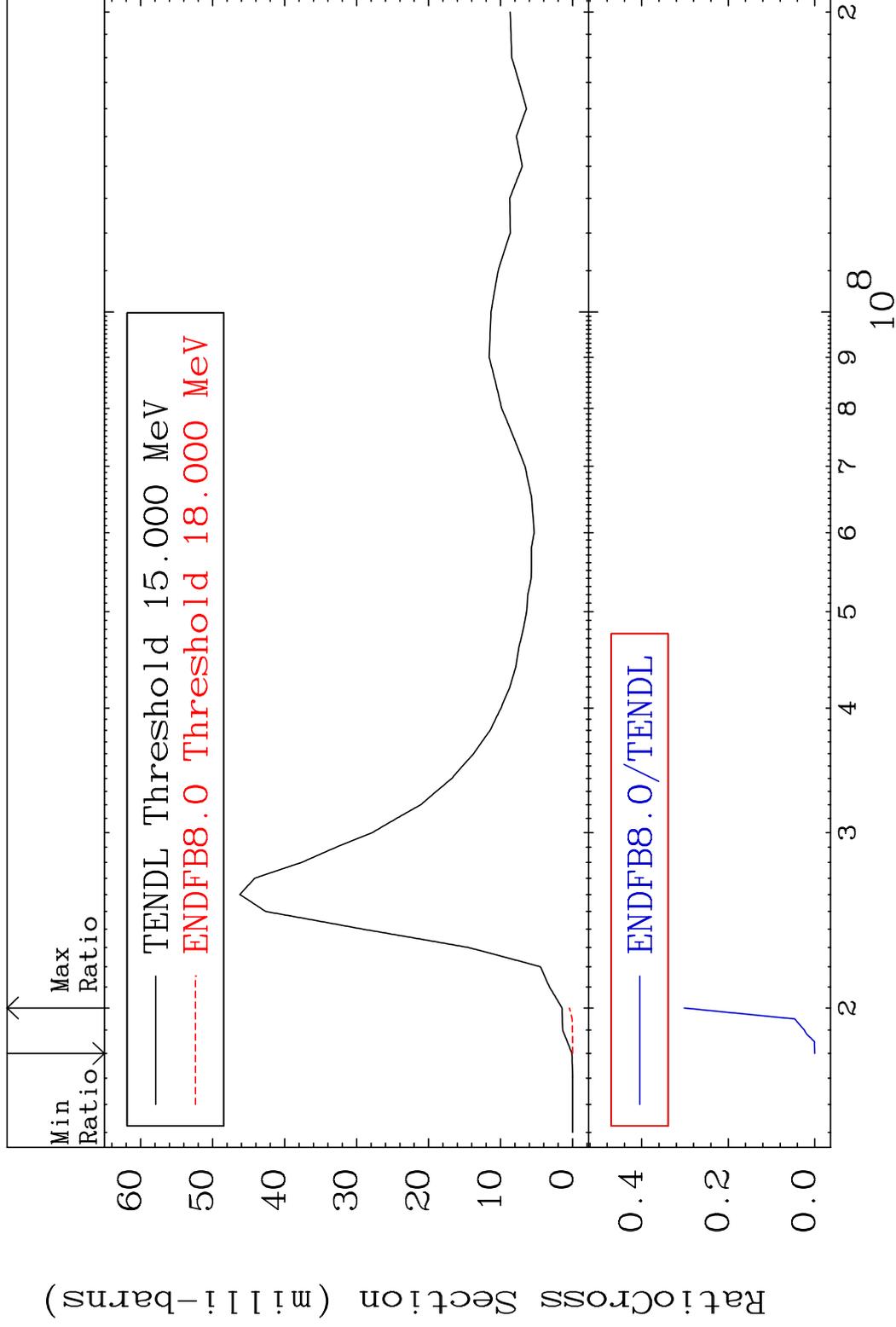
96-Cm-243

MAT 9634

(n,3nf) Fourth Chance

96-Cm-243

Cross Section -100.0 To -69.80%

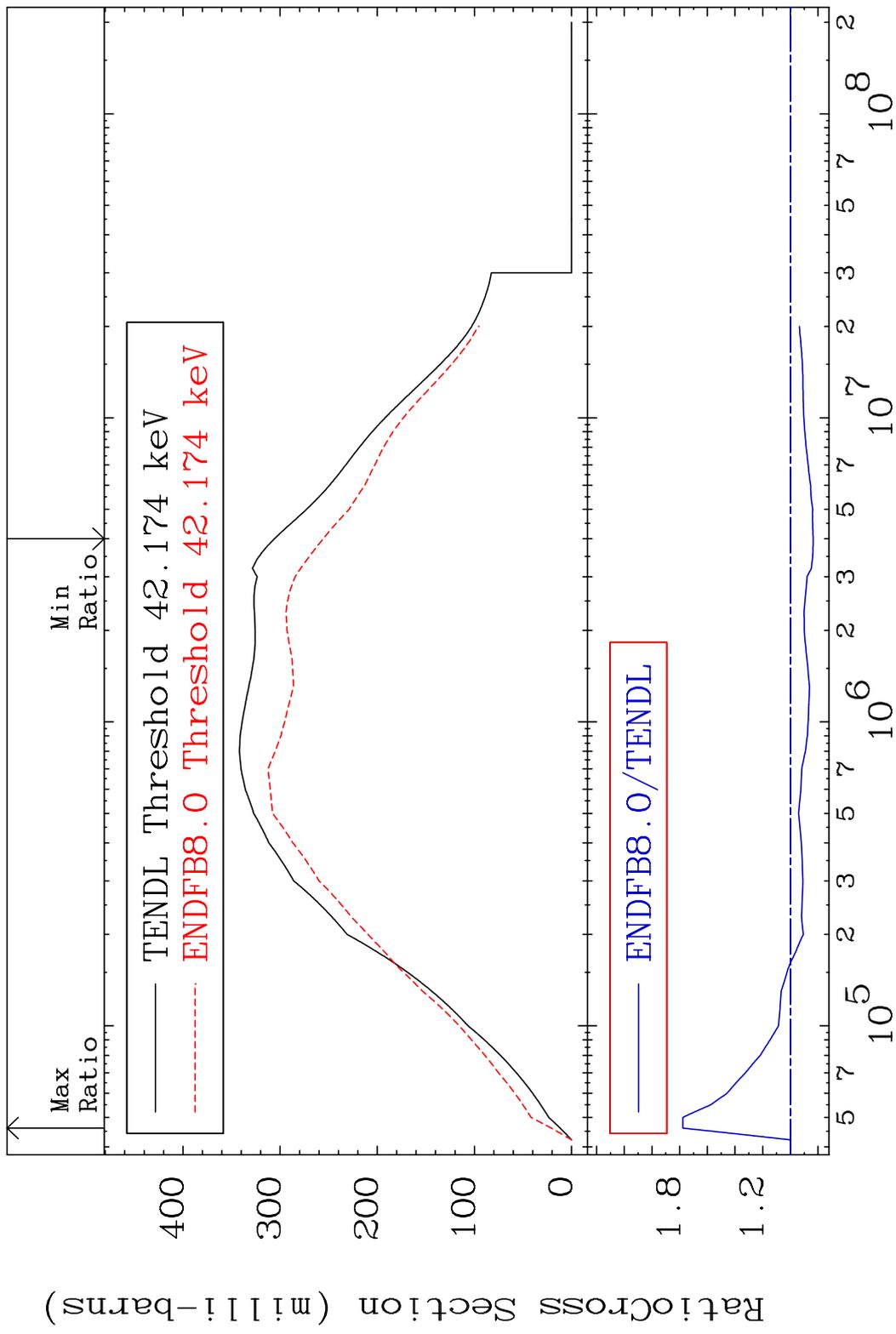


10

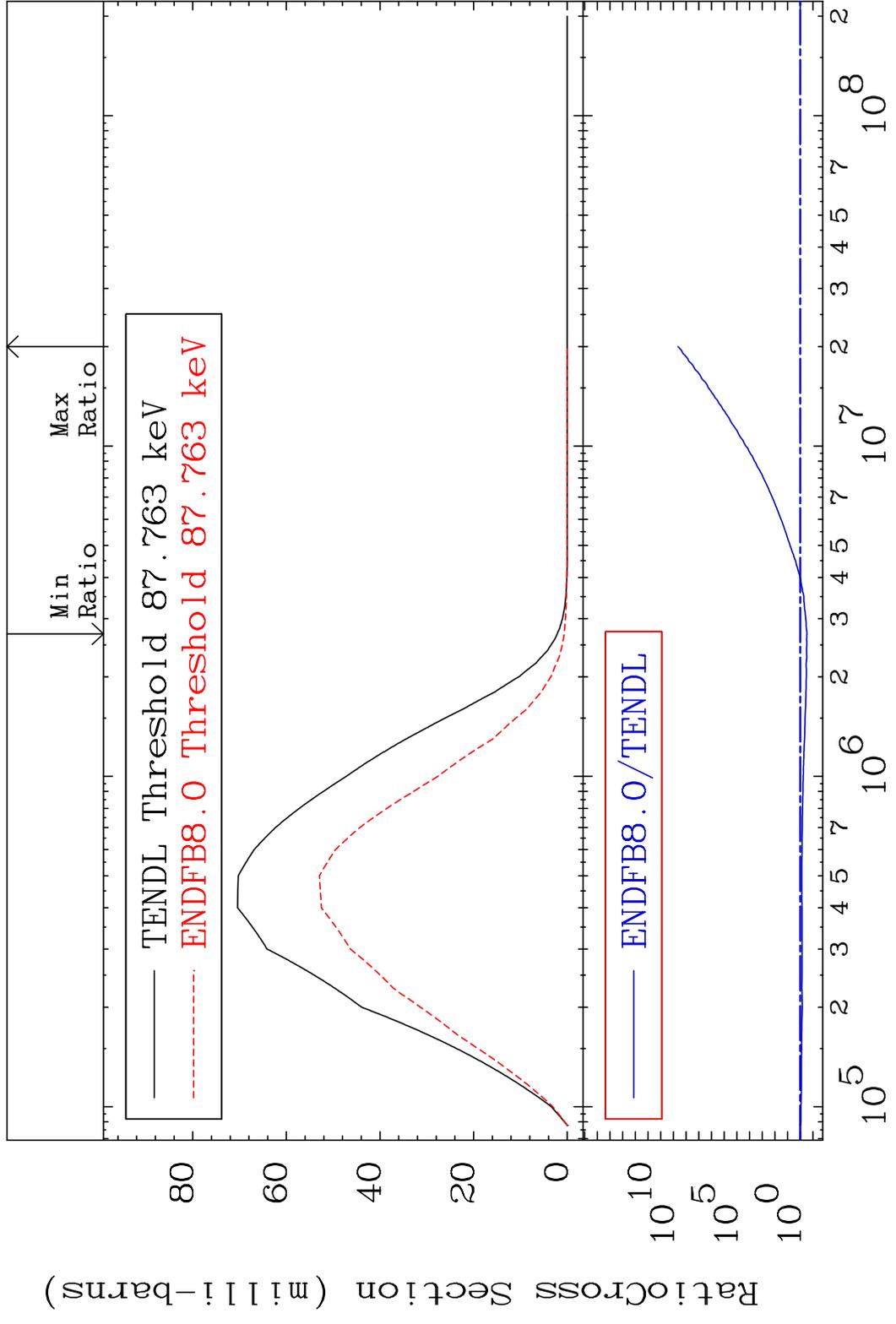
Incident Energy (eV)

96-Cm-243

MAT 9634 MT= 51 (n, n') Level 96-Cm-243  
 Cross Section -16.44 To 77.69 %

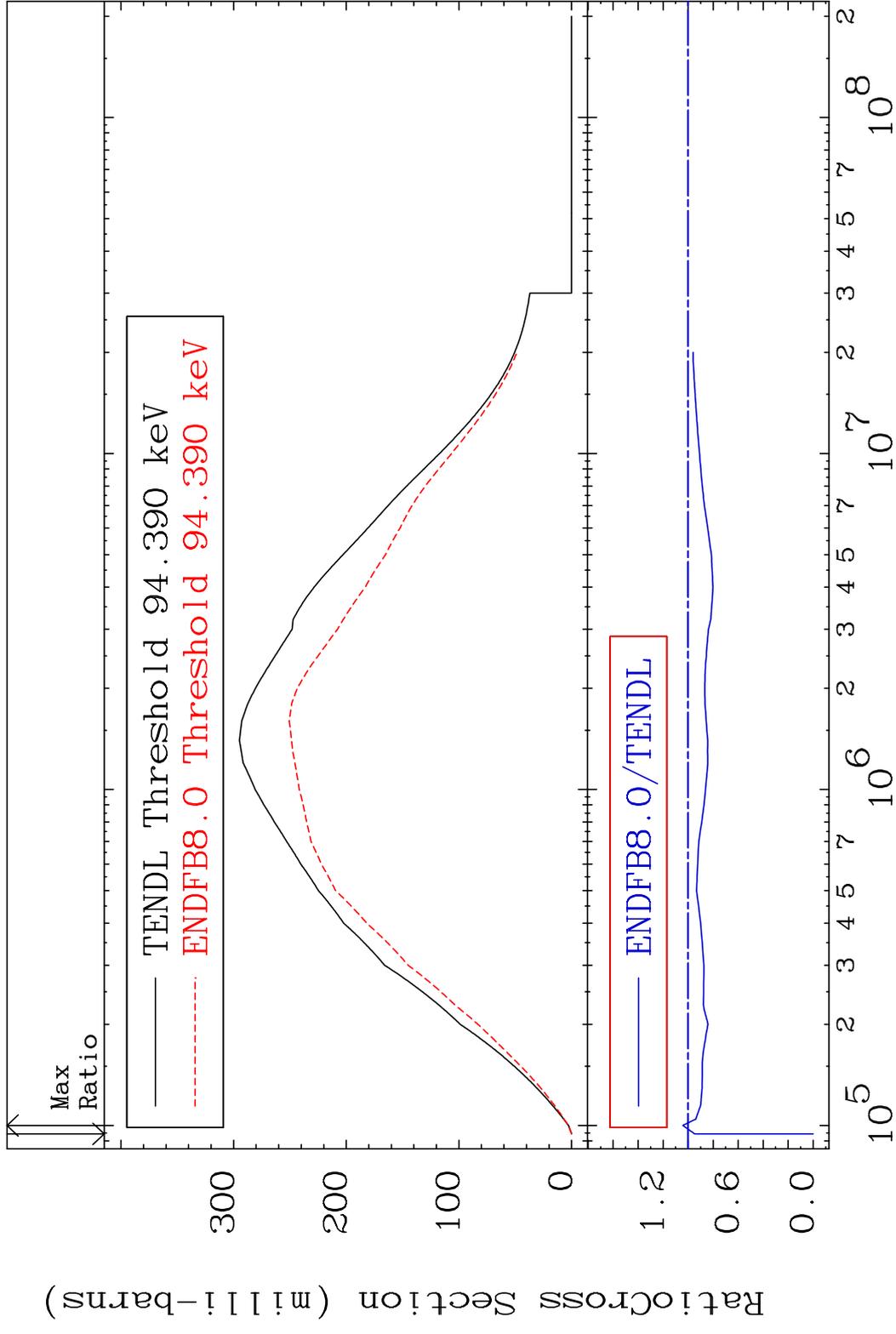


MAT 9634 MT= 52 (n,n') Level 96-Cm-243  
 Cross Section -70.10 To 9999. %



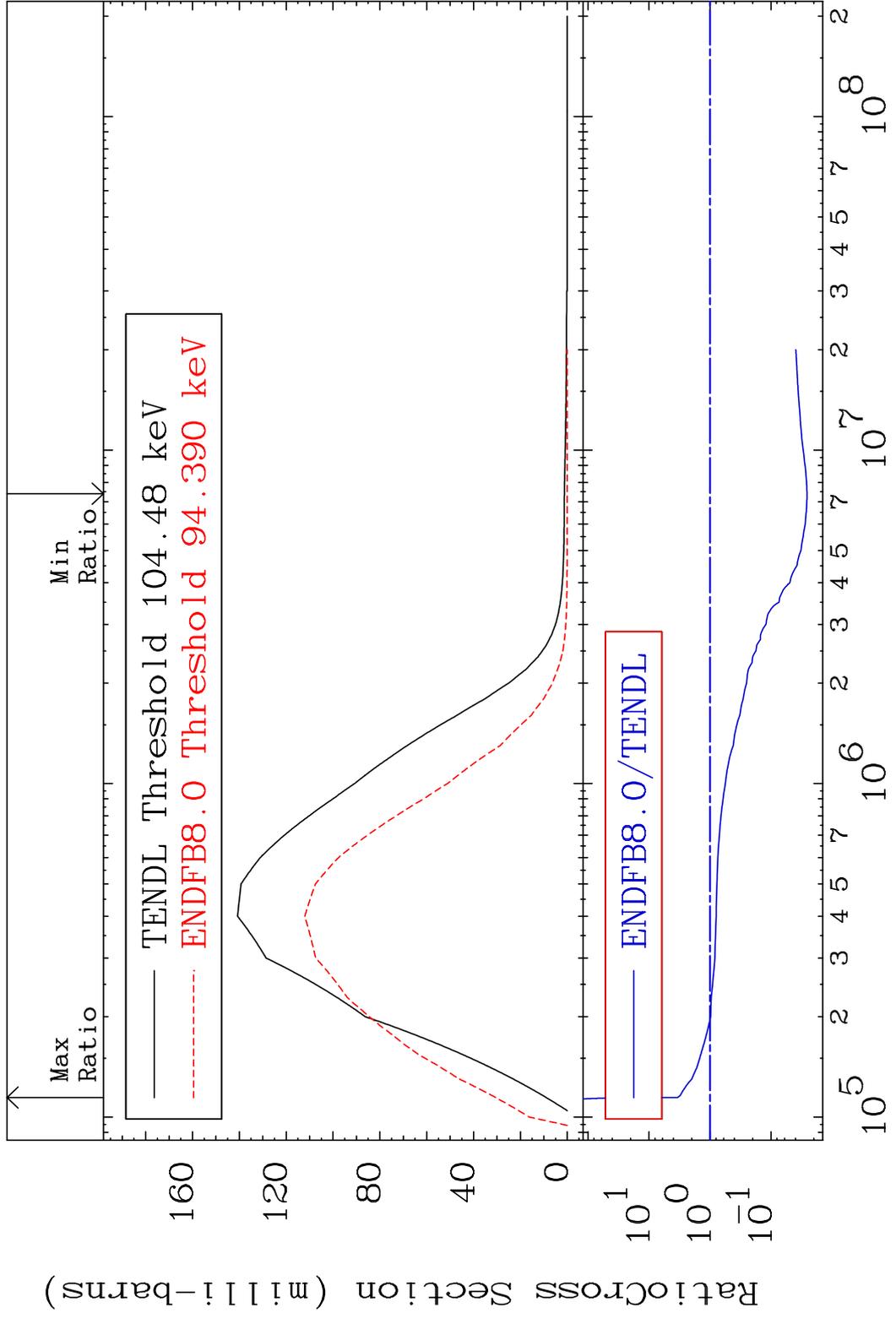
12 Incident Energy (eV) 96-Cm-243

MAT 9634 MT= 53 (n,n') Level 96-Cm-243  
 Cross Section -100.0 To 4.243 %



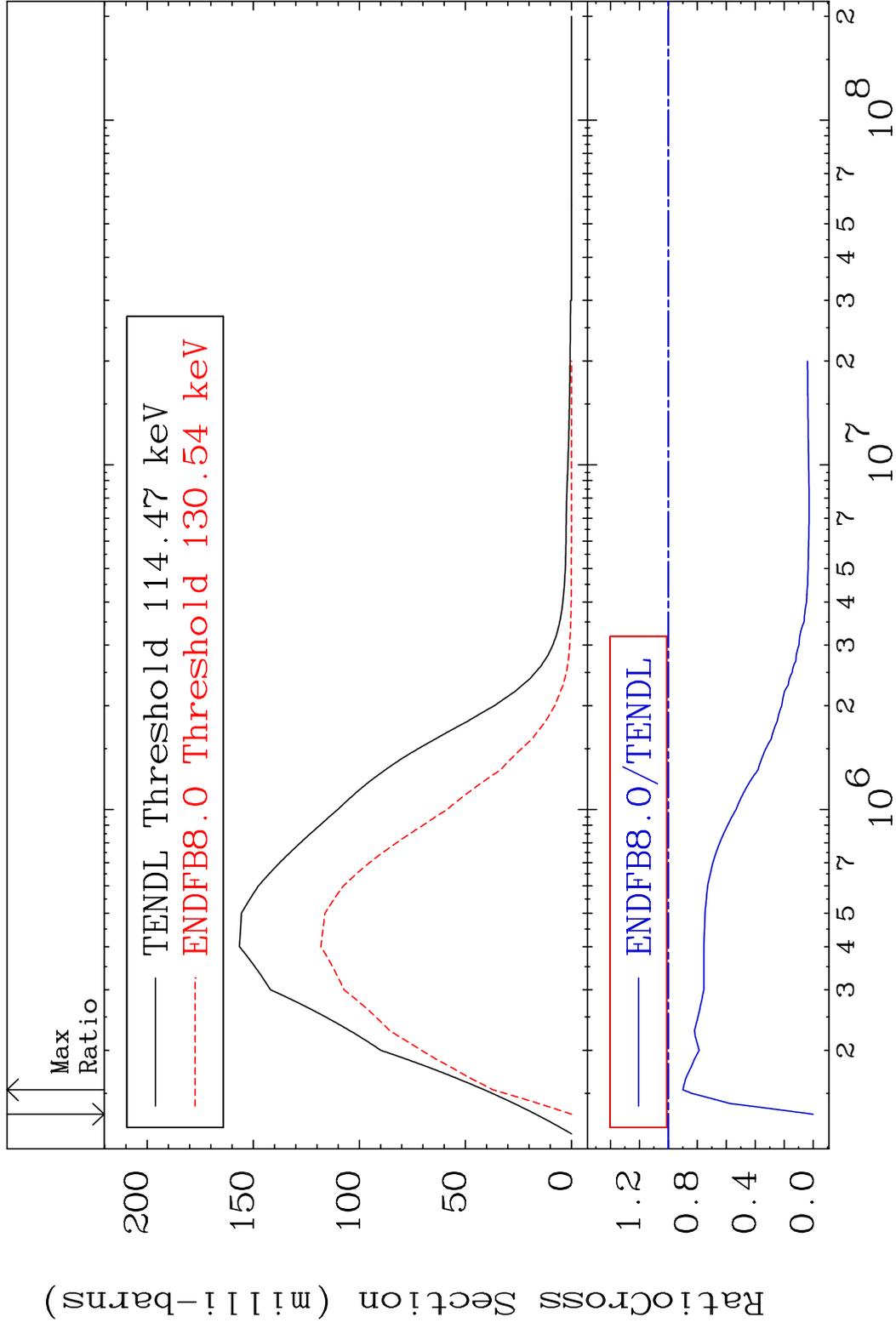
13 Incident Energy (eV) 96-Cm-243

MAT 9634 MT= 54 (n,n') Level 96-Cm-243  
 Cross Section -97.42 To 239.5 %

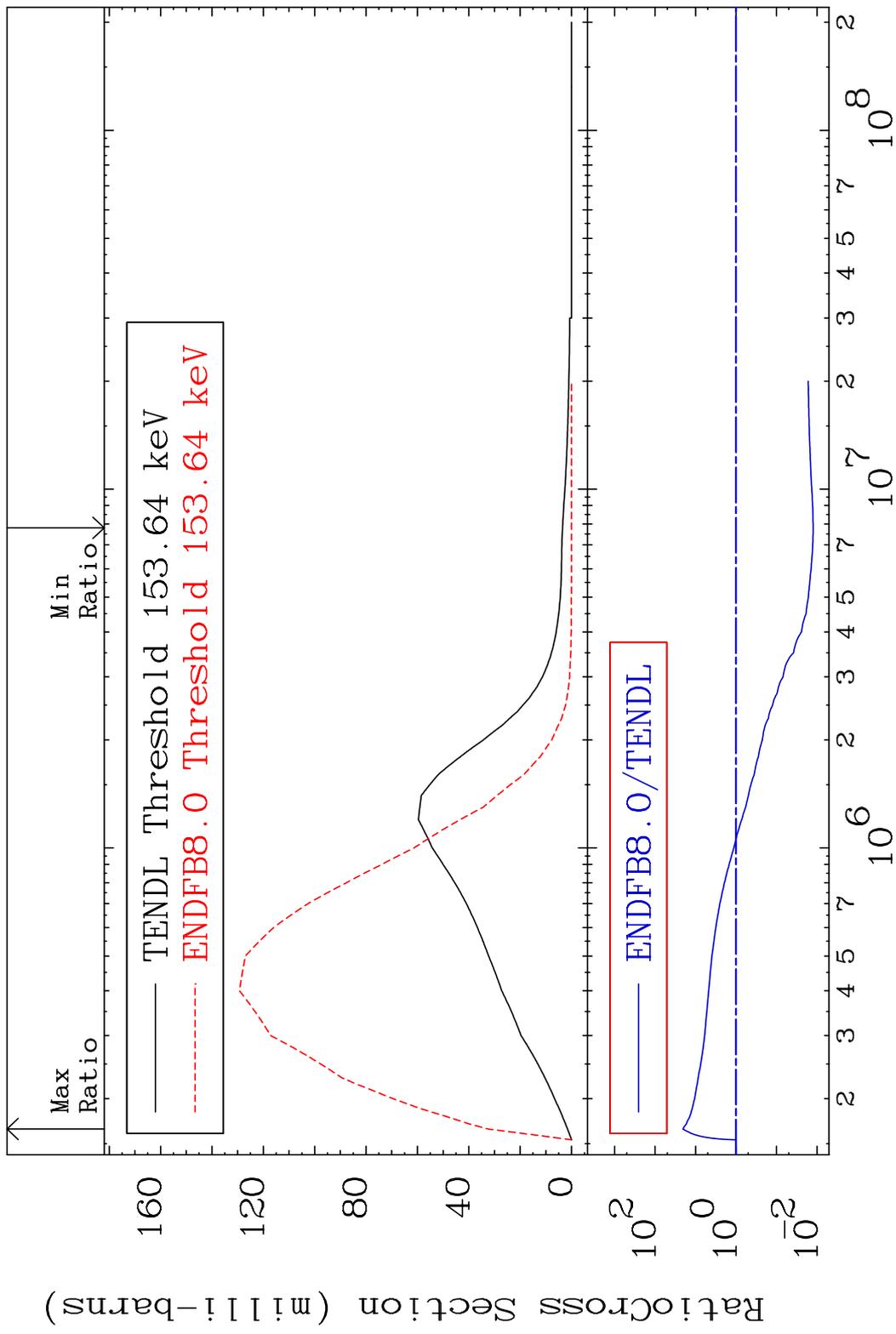


14 96-Cm-243

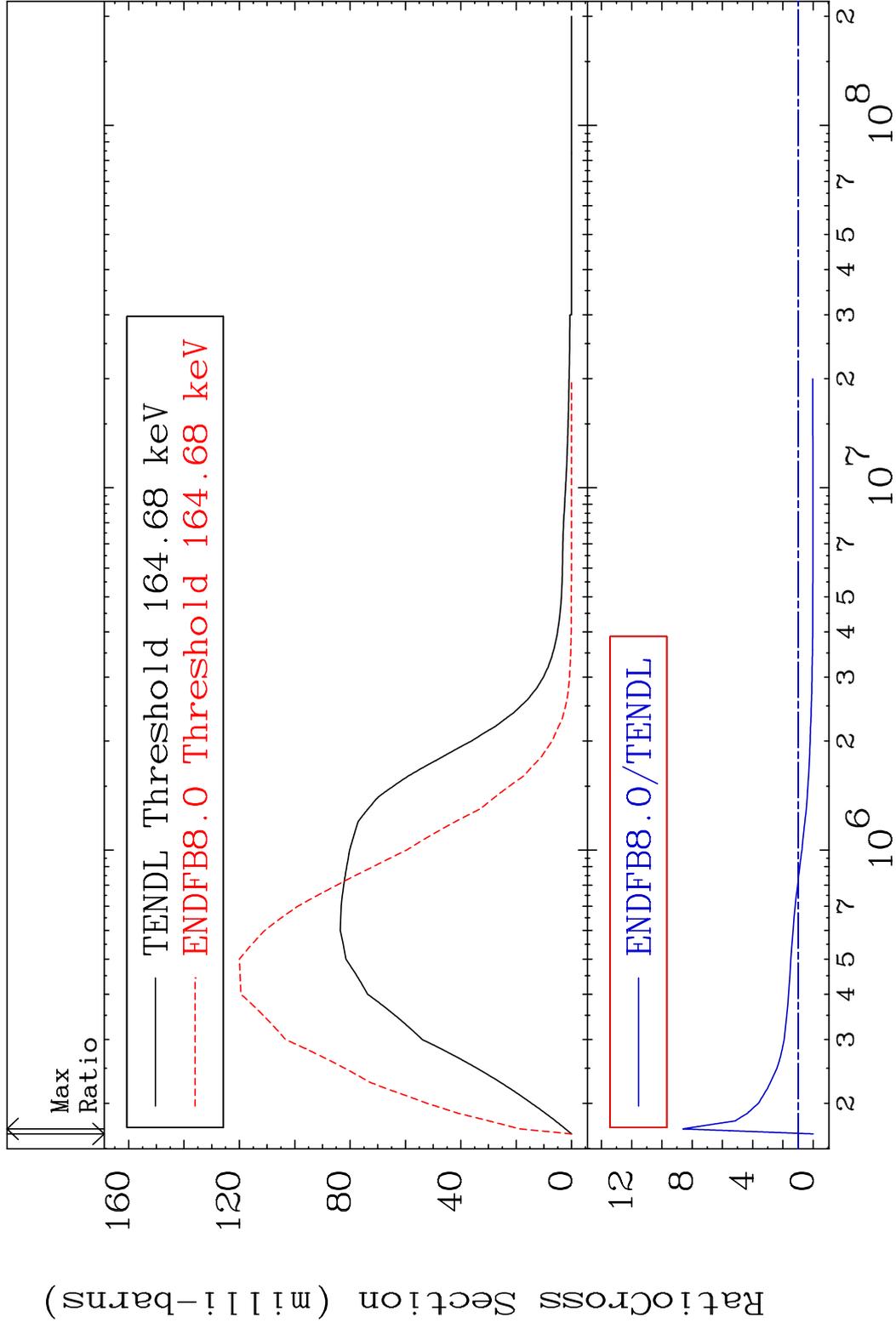
MAT 9634 MT= 55 (n,n') Level 96-Cm-243  
 Cross Section -100.0 To -9.985%



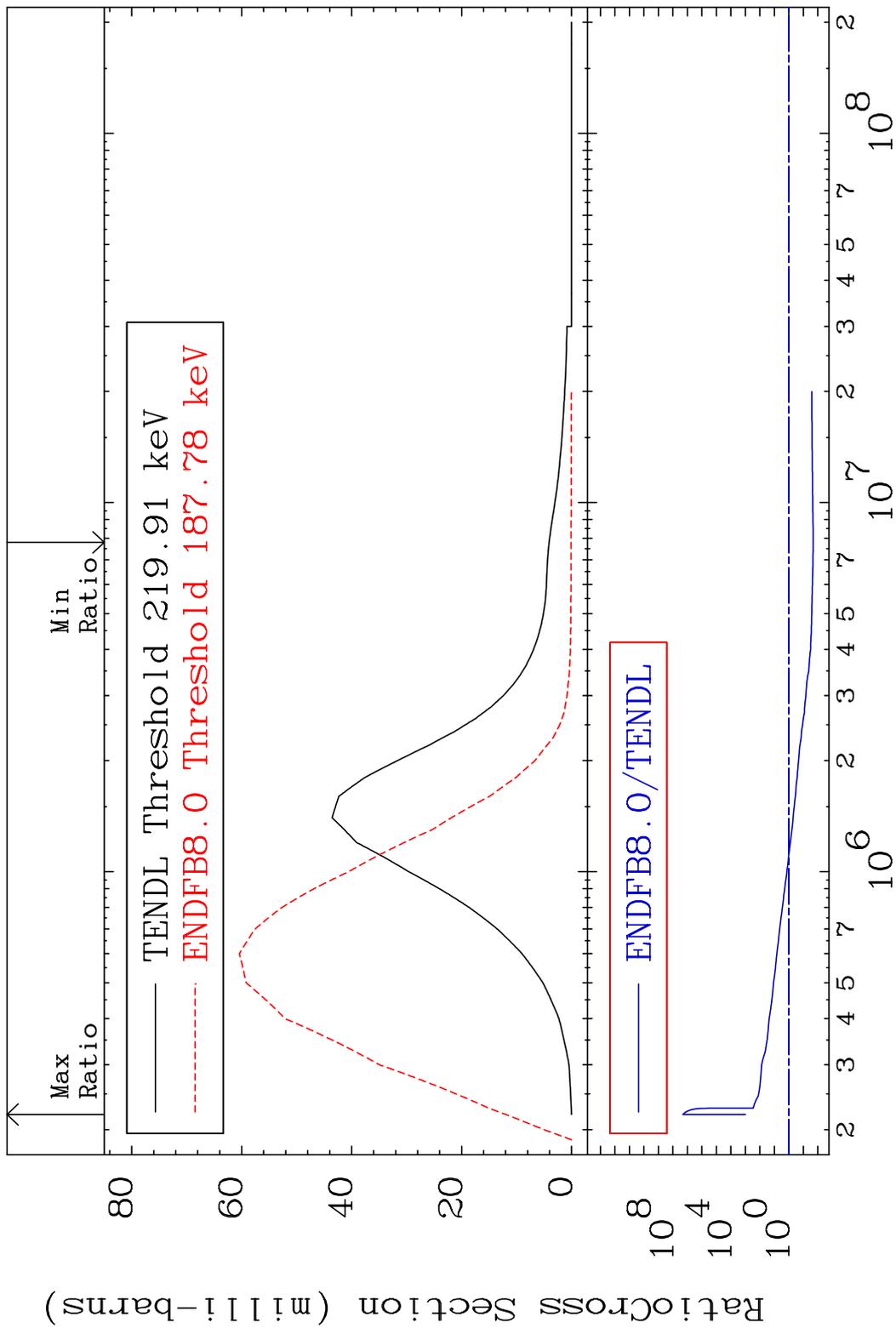
MAT 9634 MT= 56 (n, n') Level 96-Cm-243  
 Cross Section -98.75 To 1960. %



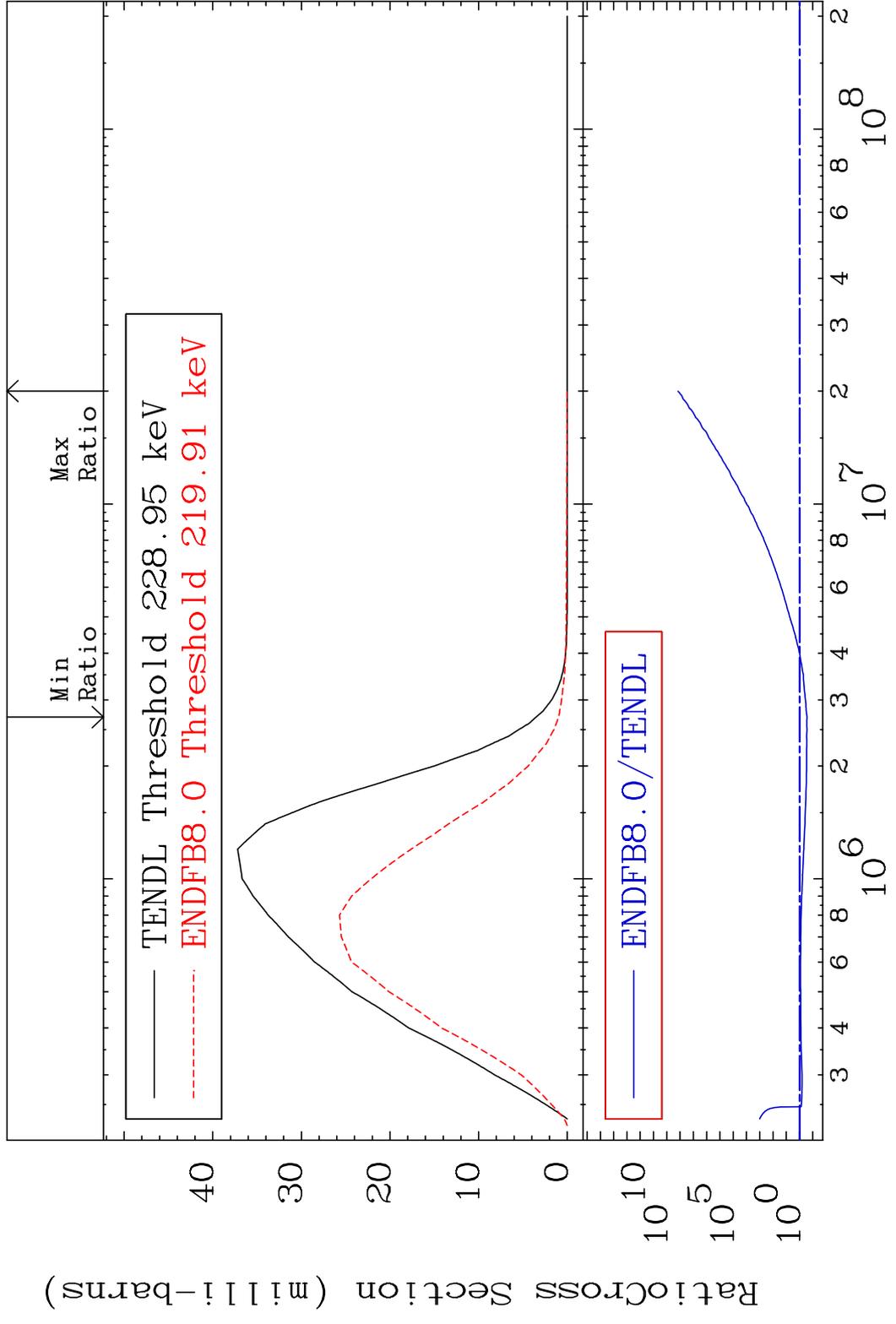
MAT 9634 MT= 57 (n,n') Level 96-Cm-243  
 Cross Section -100.0 To 761.6 %



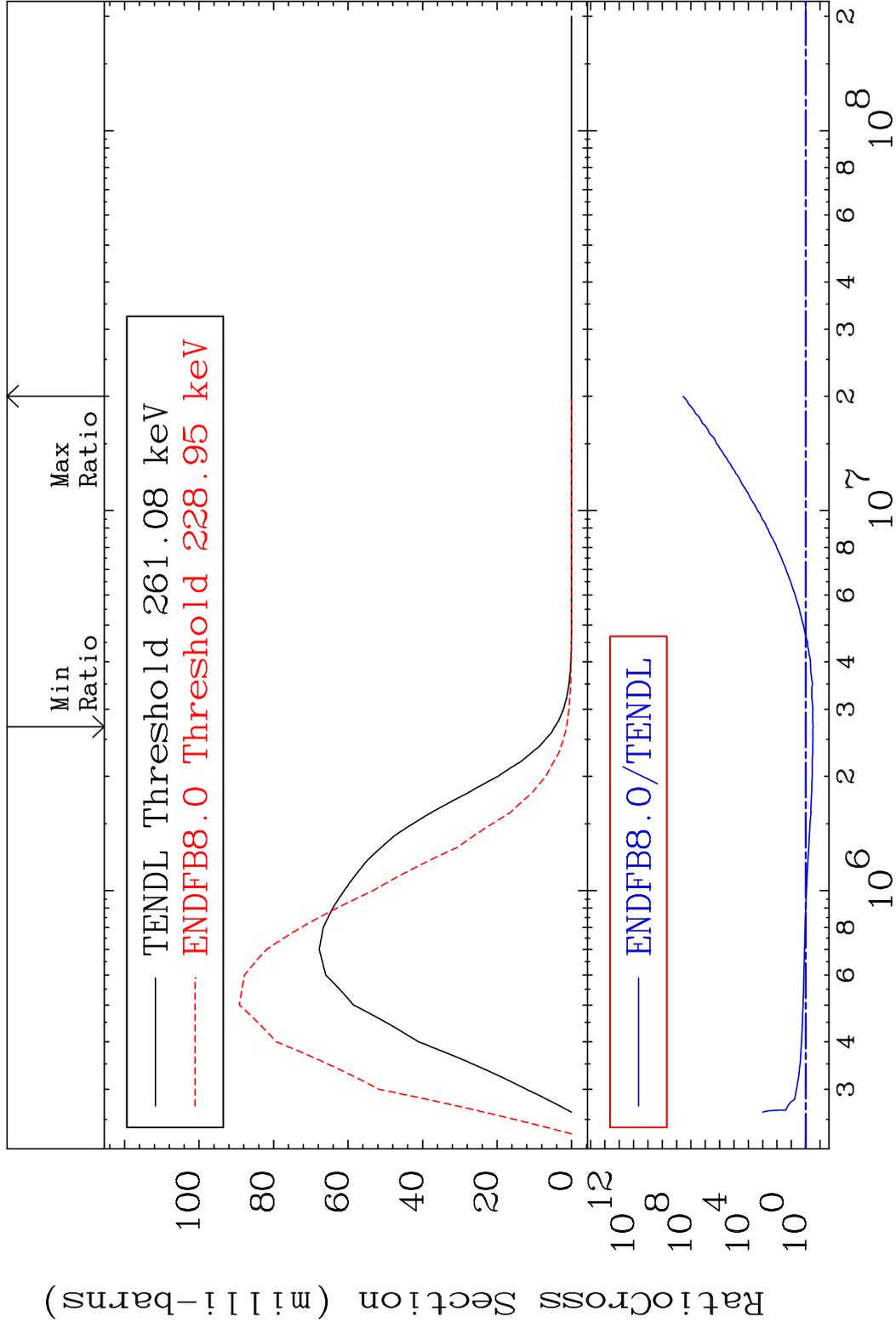
MAT 9634 MT= 58 (n,n') Level 96-Cm-243  
 Cross Section -97.89 To 9999. %



MAT 9634 MT= 59 (n,n') Level 96-Cm-243  
 Cross Section -72.62 To 9999. %



MAT 9634 MT= 60 (n,n') Level 96-Cm-243  
 Cross Section -69.80 To 9999. %

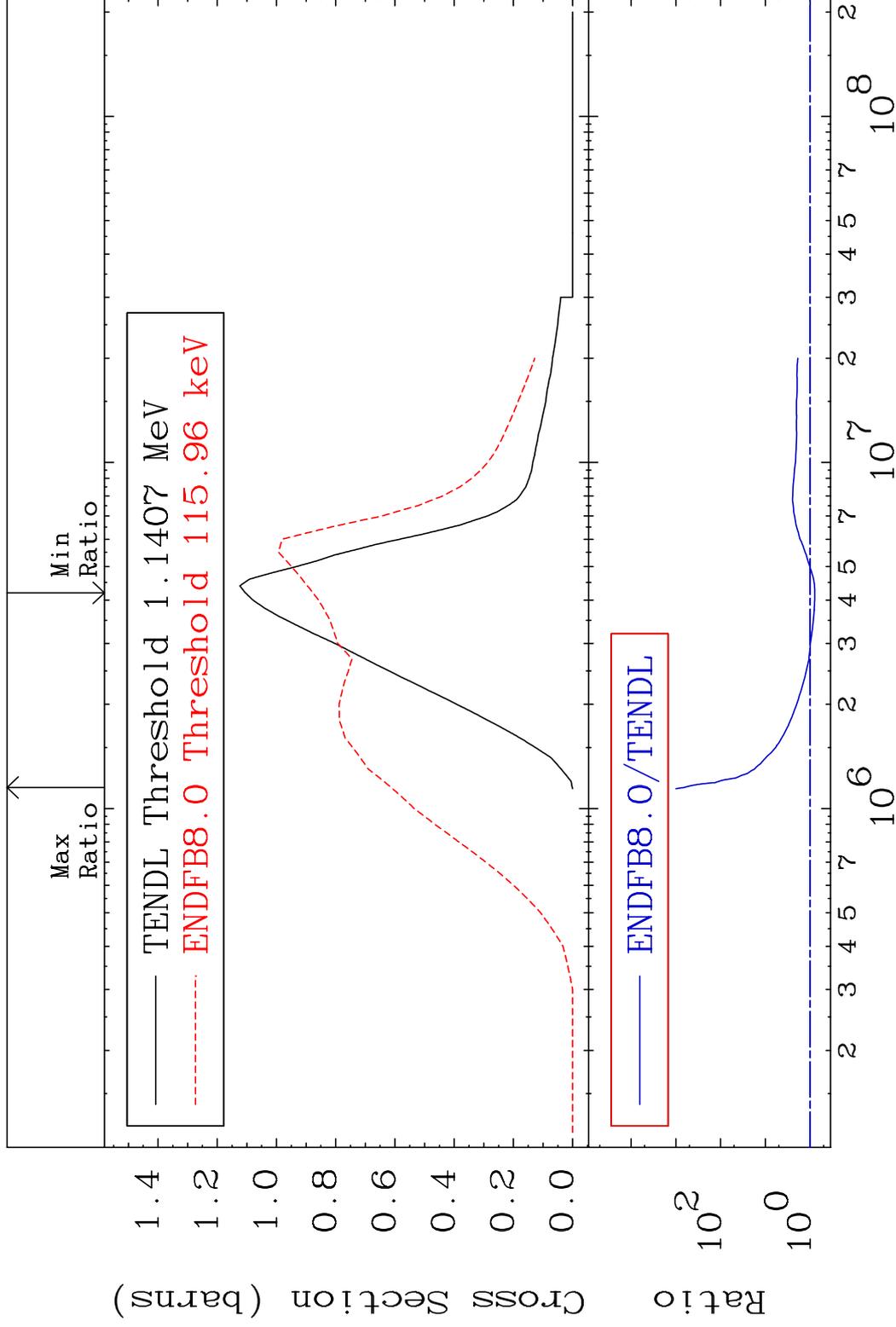


MAT 9634

(n,n') Continuum

96-Cm-243

Cross Section -20.69 To 9999. %



21

Incident Energy (eV)

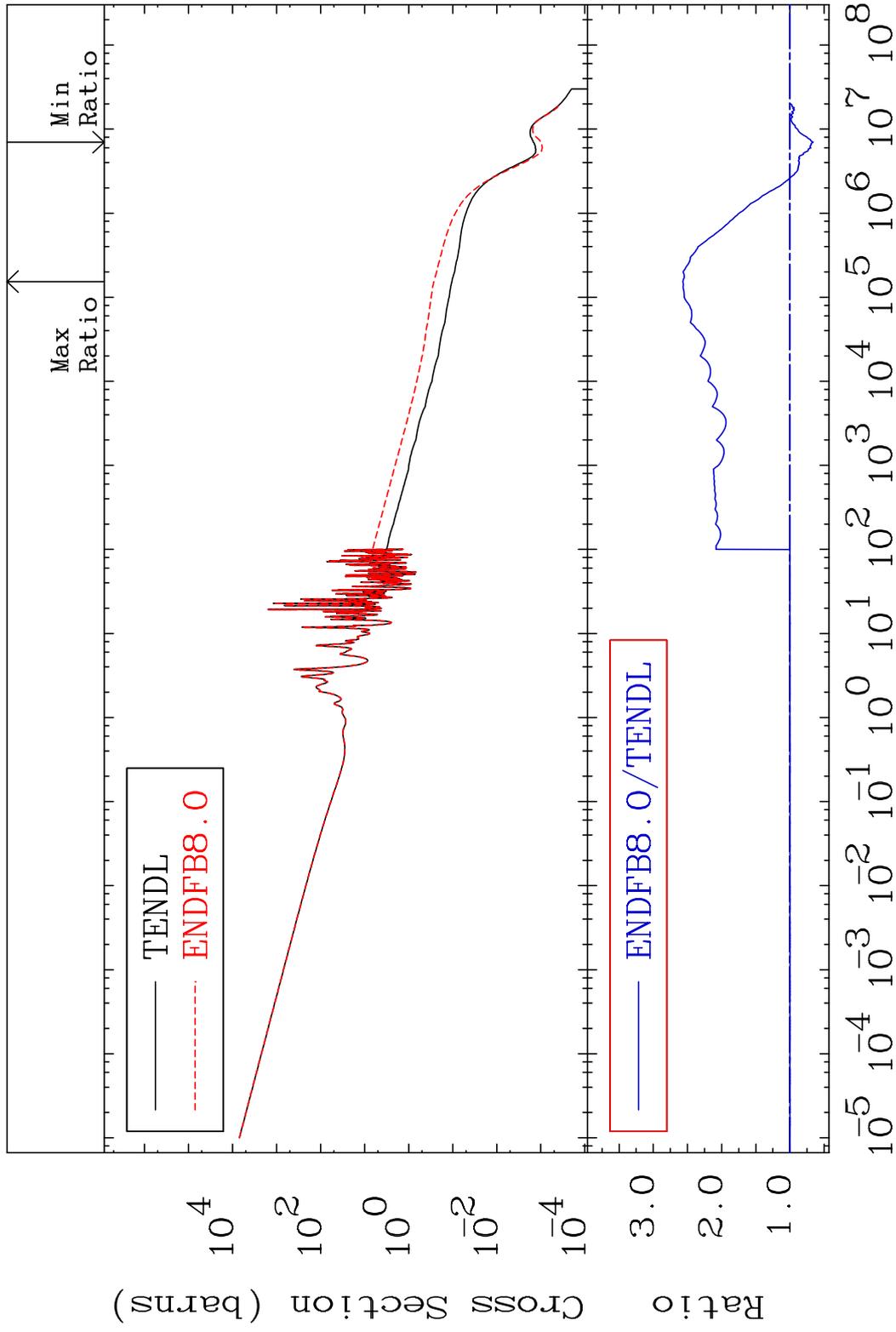
96-Cm-243

MAT 9634

(n,  $\gamma$ )

96-Cm-243

Cross Section -33.86 To 156.7 %

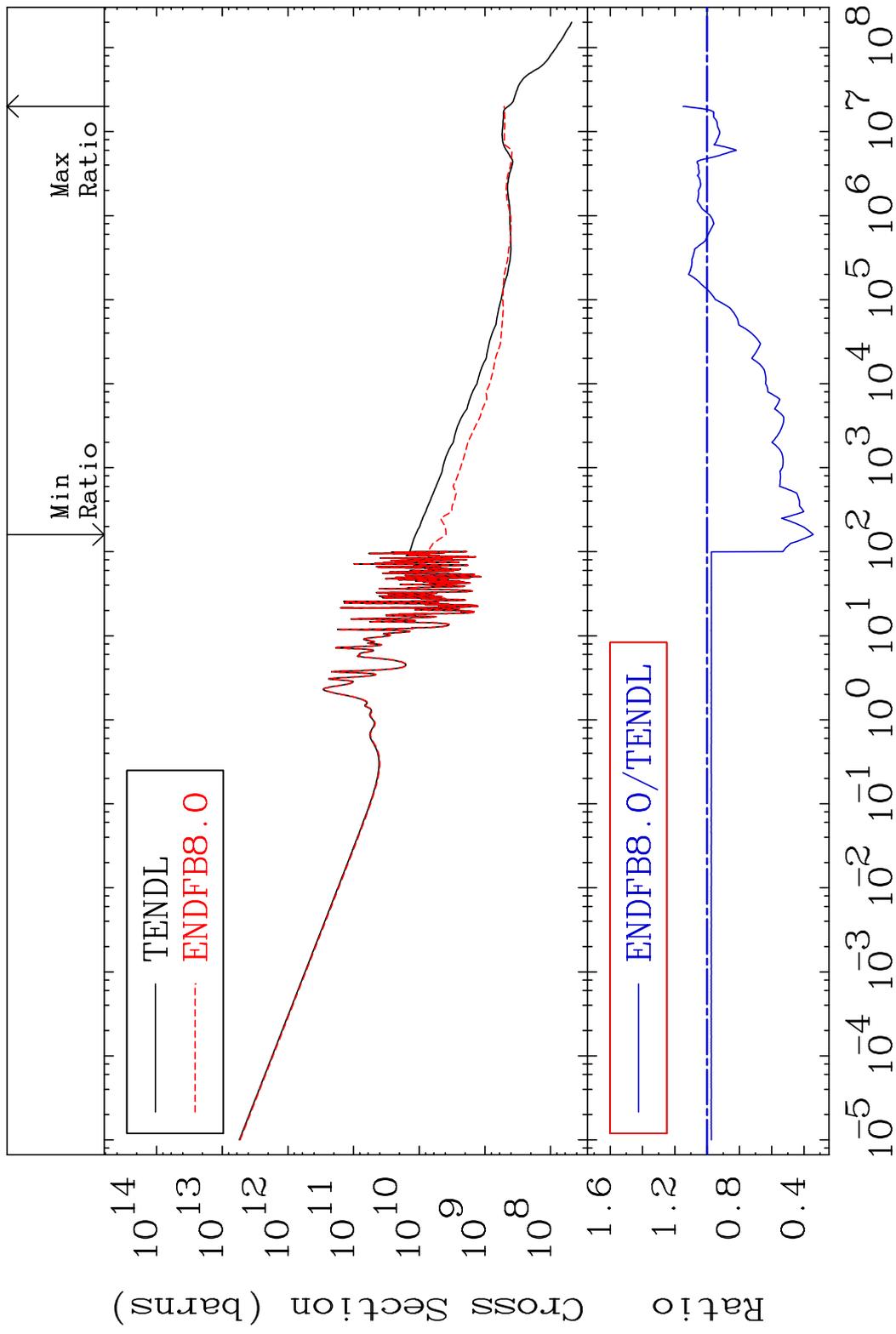


22

Incident Energy (eV)

96-Cm-243

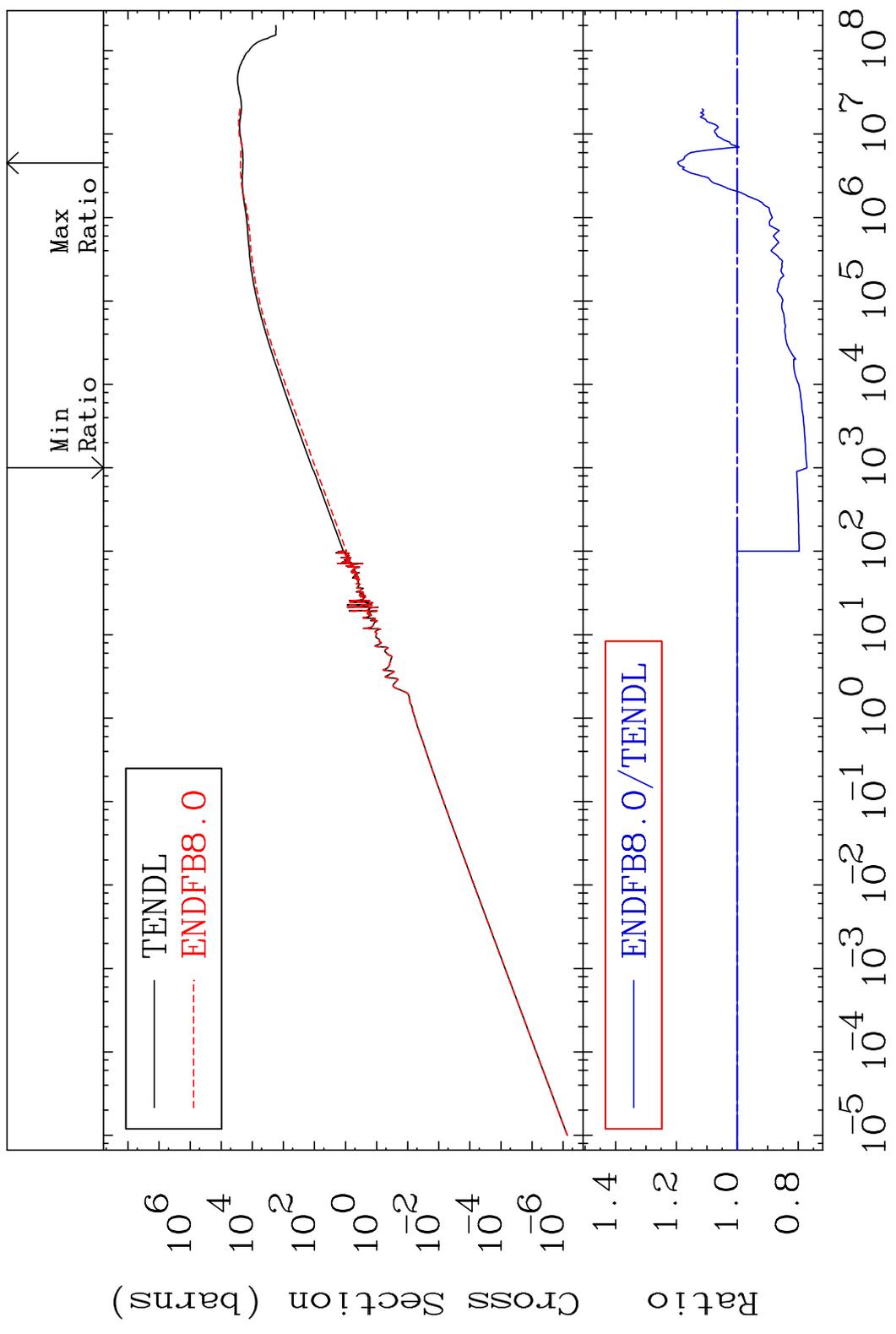
MAT 9634 Kerma total (eV-barns) 96-Cm-243  
 Cross Section -65.68 To 15.03 %



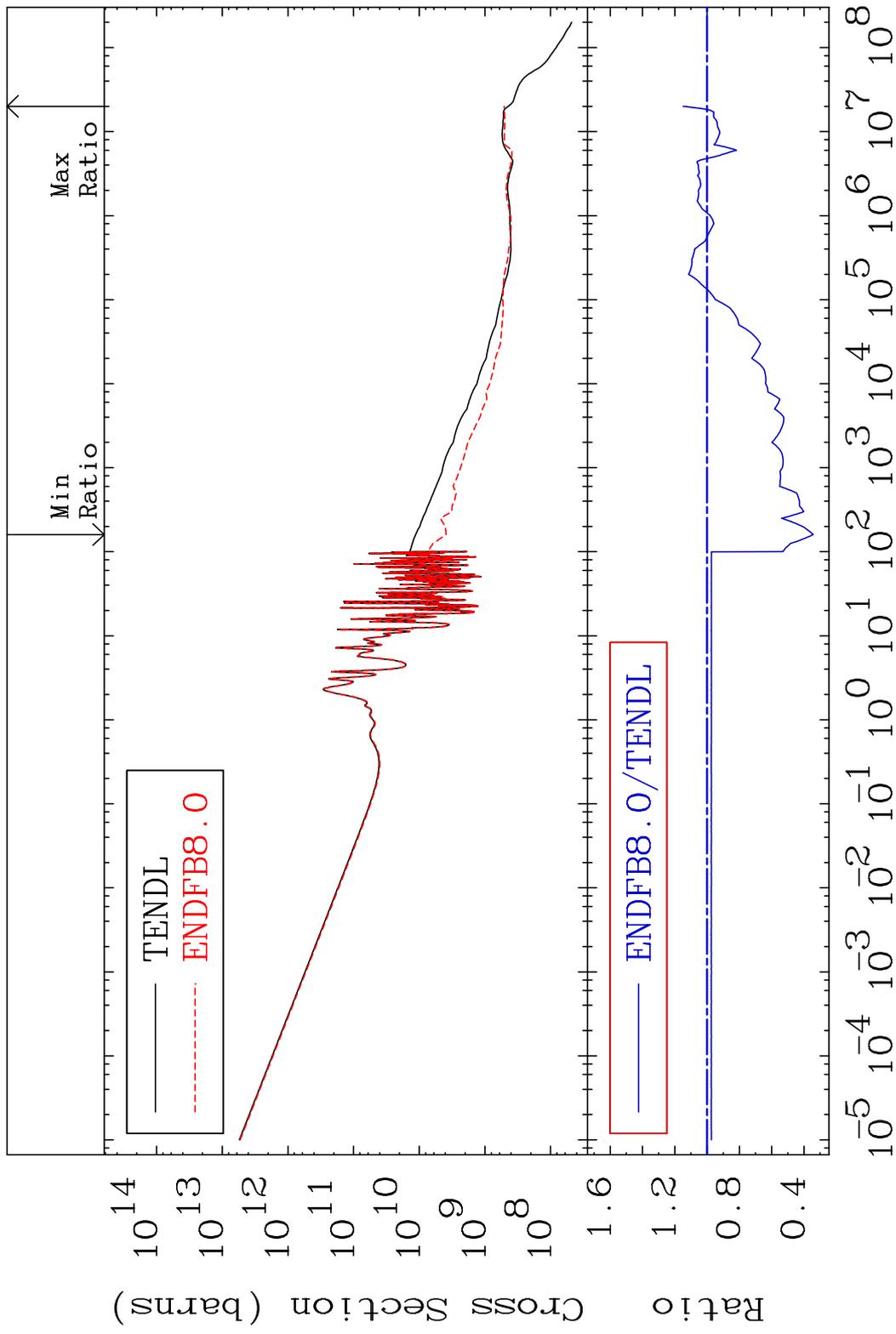
MAT 9634

Kerma elastic  
Cross Section -22.91 To 19.59 %

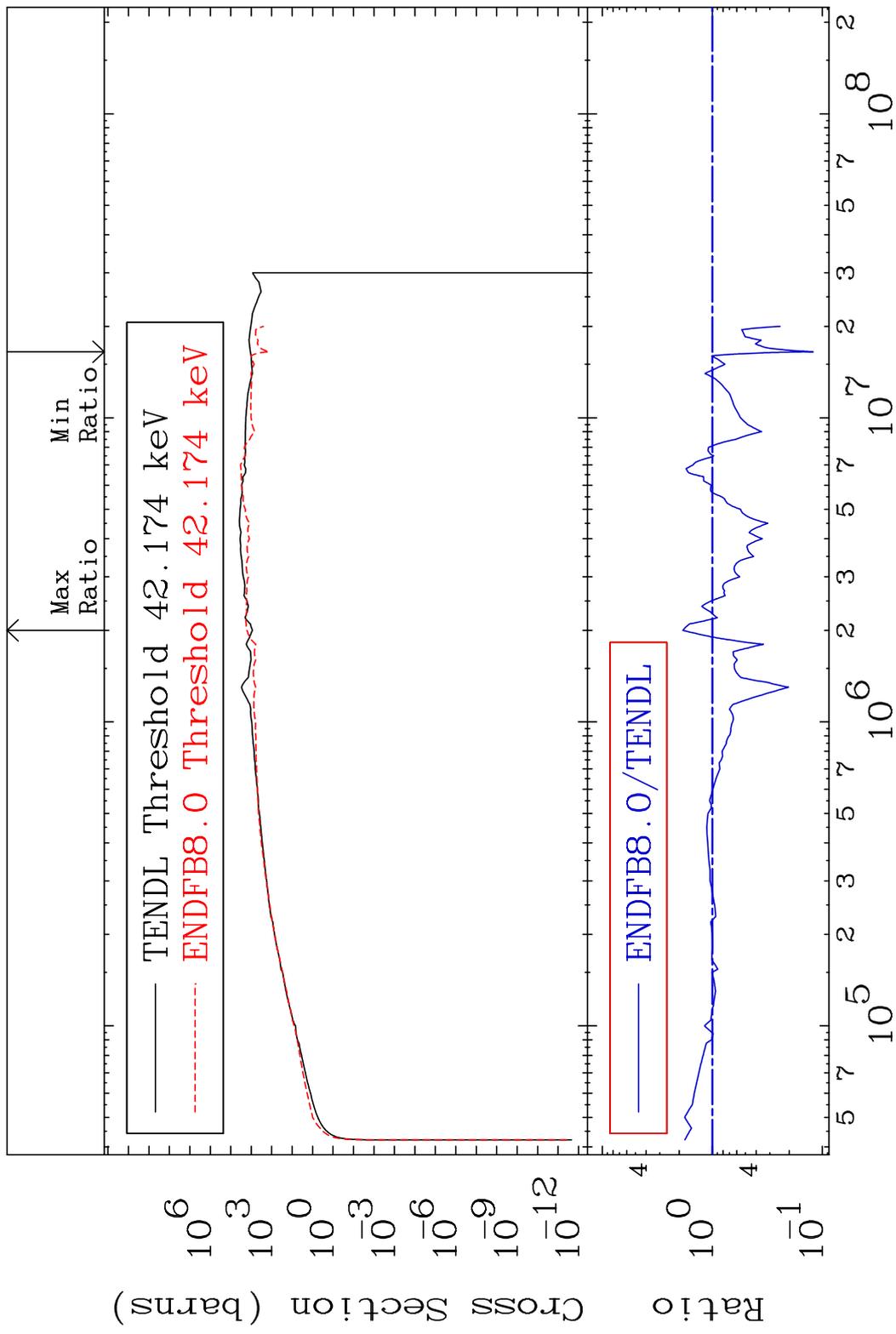
96-Cm-243



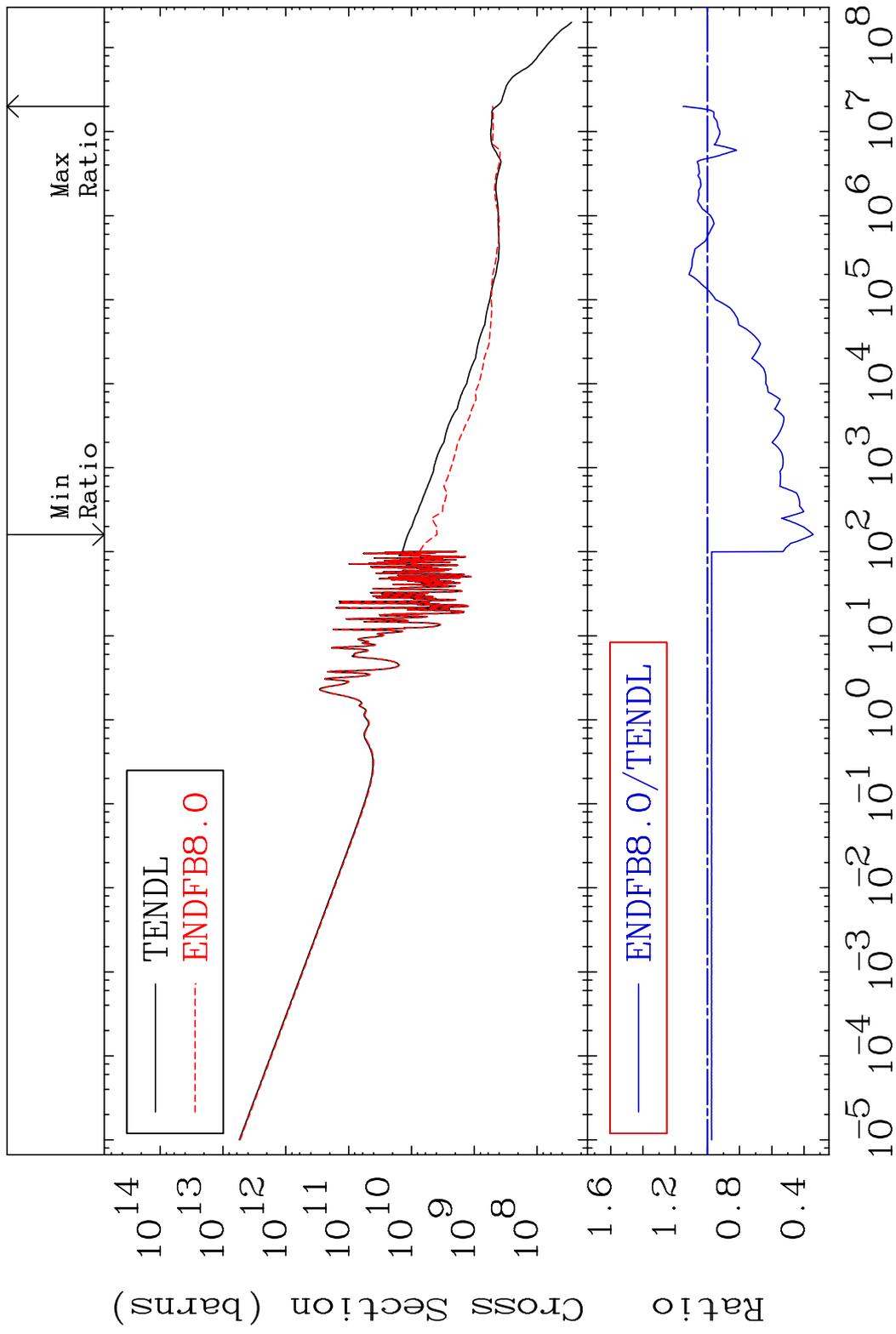
MAT 9634 Kerma non-elastic (all but mt2) 96-Cm-243  
 Cross Section -65.68 To 15.03 %



MAT 9634 Kerma inelastic (mt51-91) 96-Cm-243  
 Cross Section -87.85 To 85.61 %

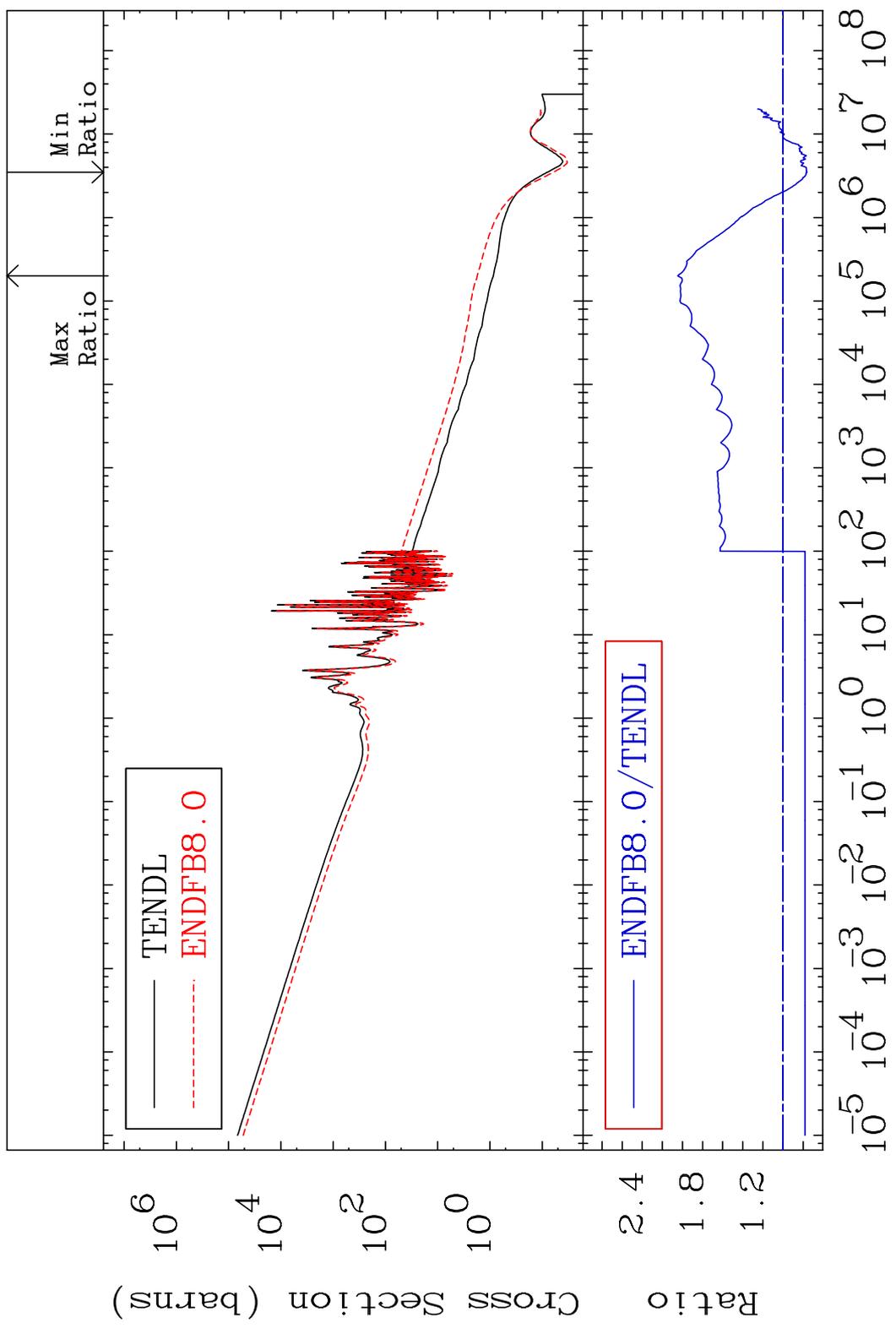


MAT 9634 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-243  
 Cross Section -65.68 To 15.22 %

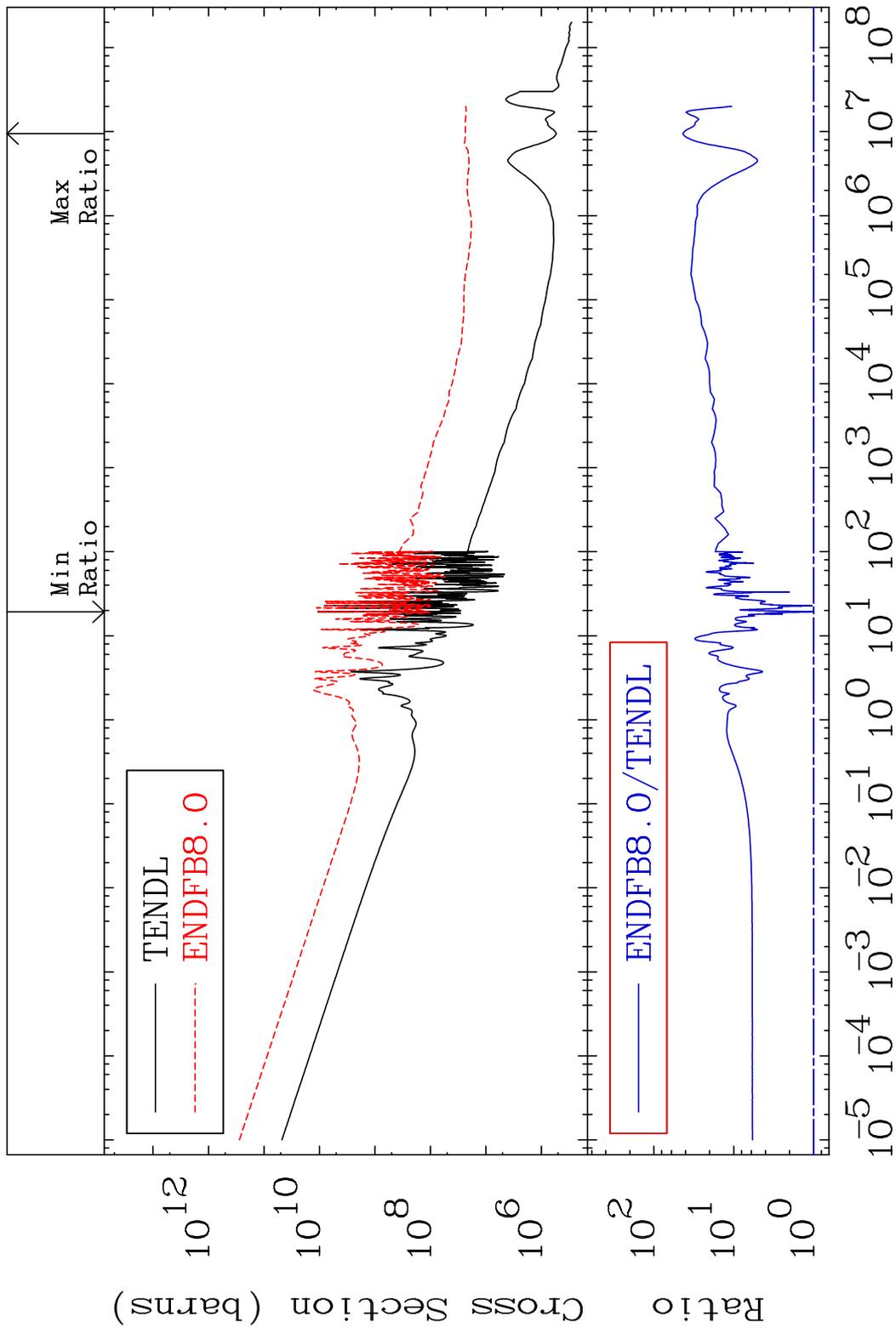


MAT 9634

Kerma capture (mt102) 96-Cm-243  
Cross Section -23.88 To 104.8 %

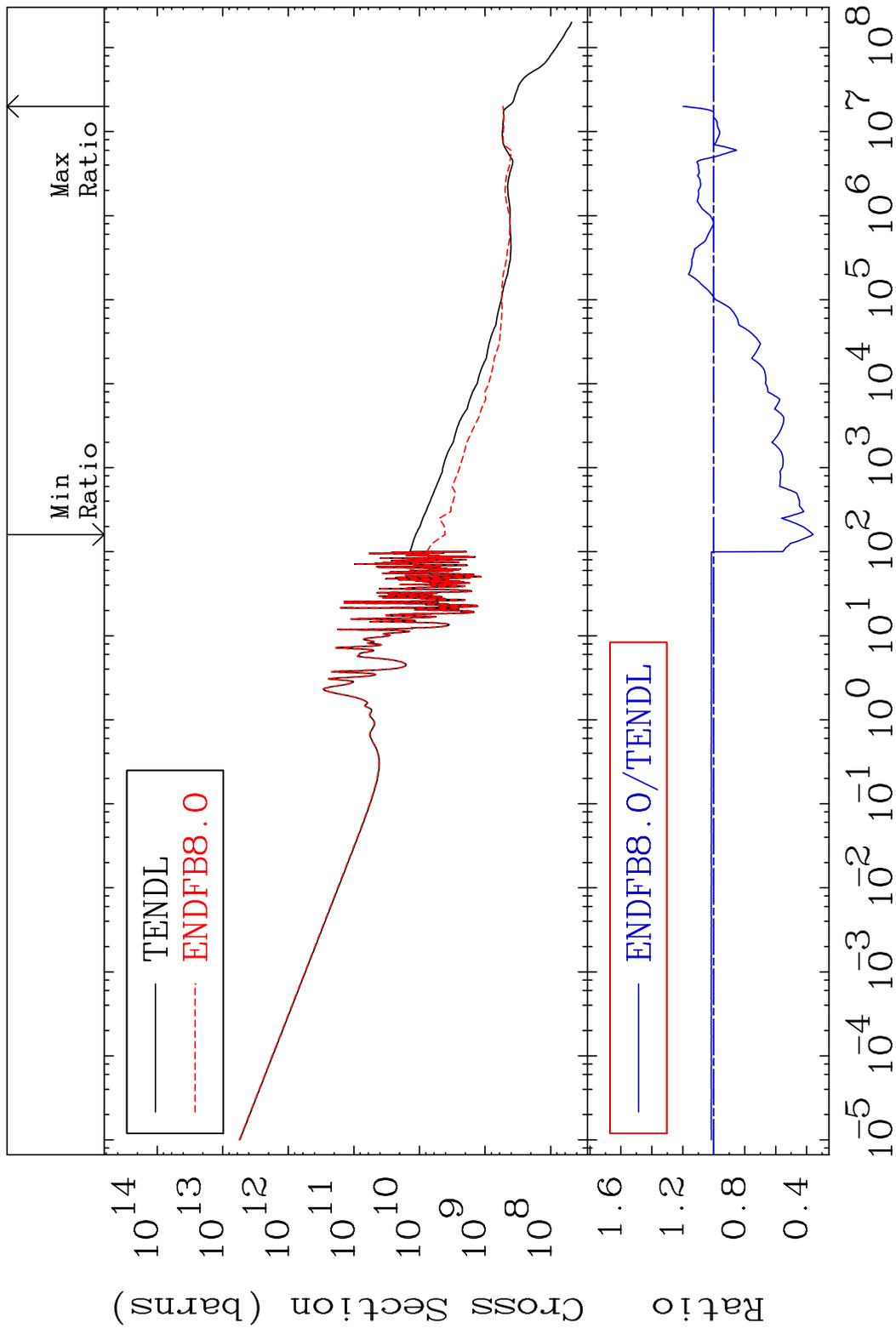


MAT 9634 Total photon (eV-barns) 96-Cm-243  
 Cross Section 1.304 To 4236. %



29 Incident Energy (eV) 96-Cm-243

MAT 9634 Total kinematic kerma (high limit) 96-Cm-243  
 Cross Section -64.20 To 19.99 %



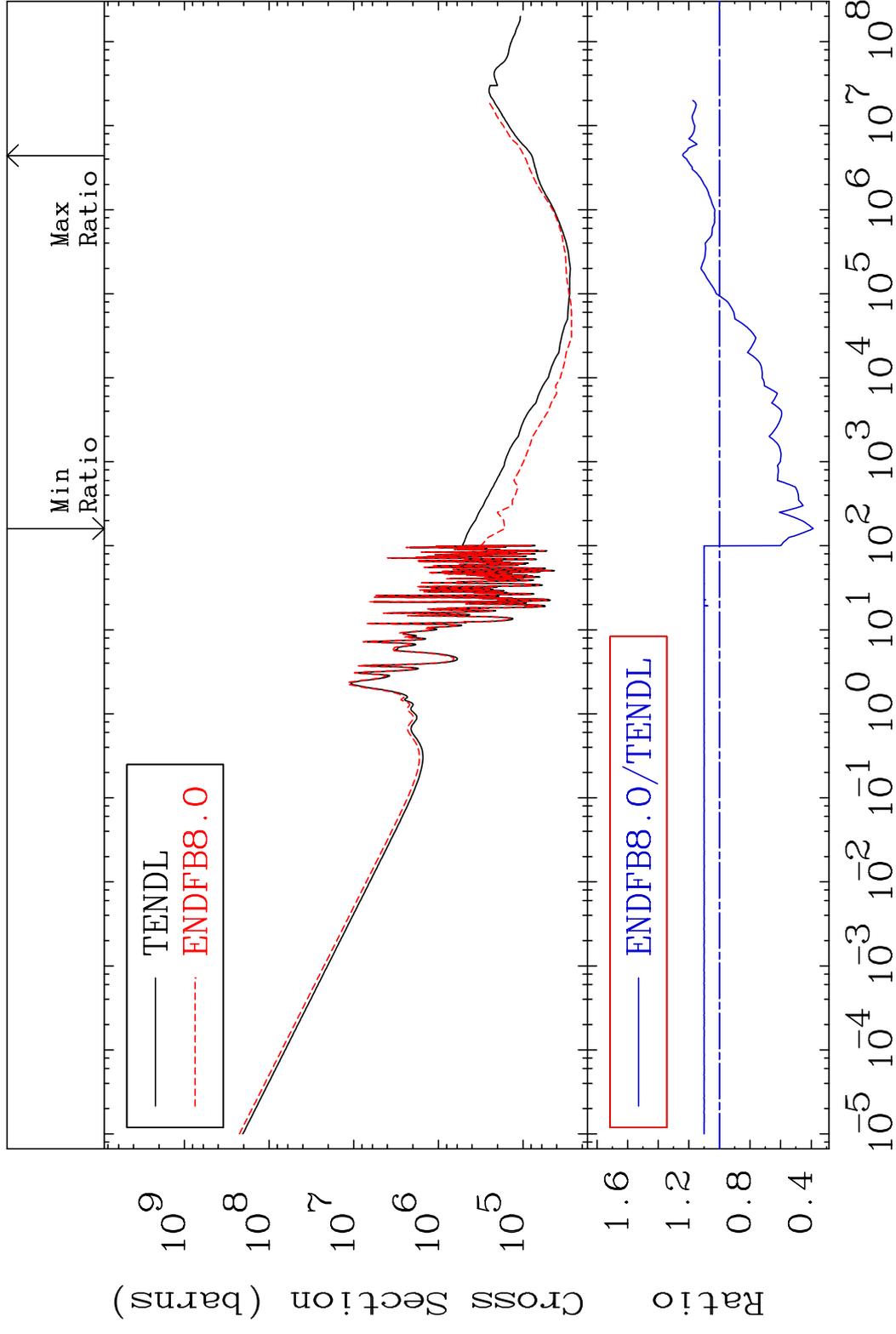
30 Incident Energy (eV) 96-Cm-243

MAT 9634

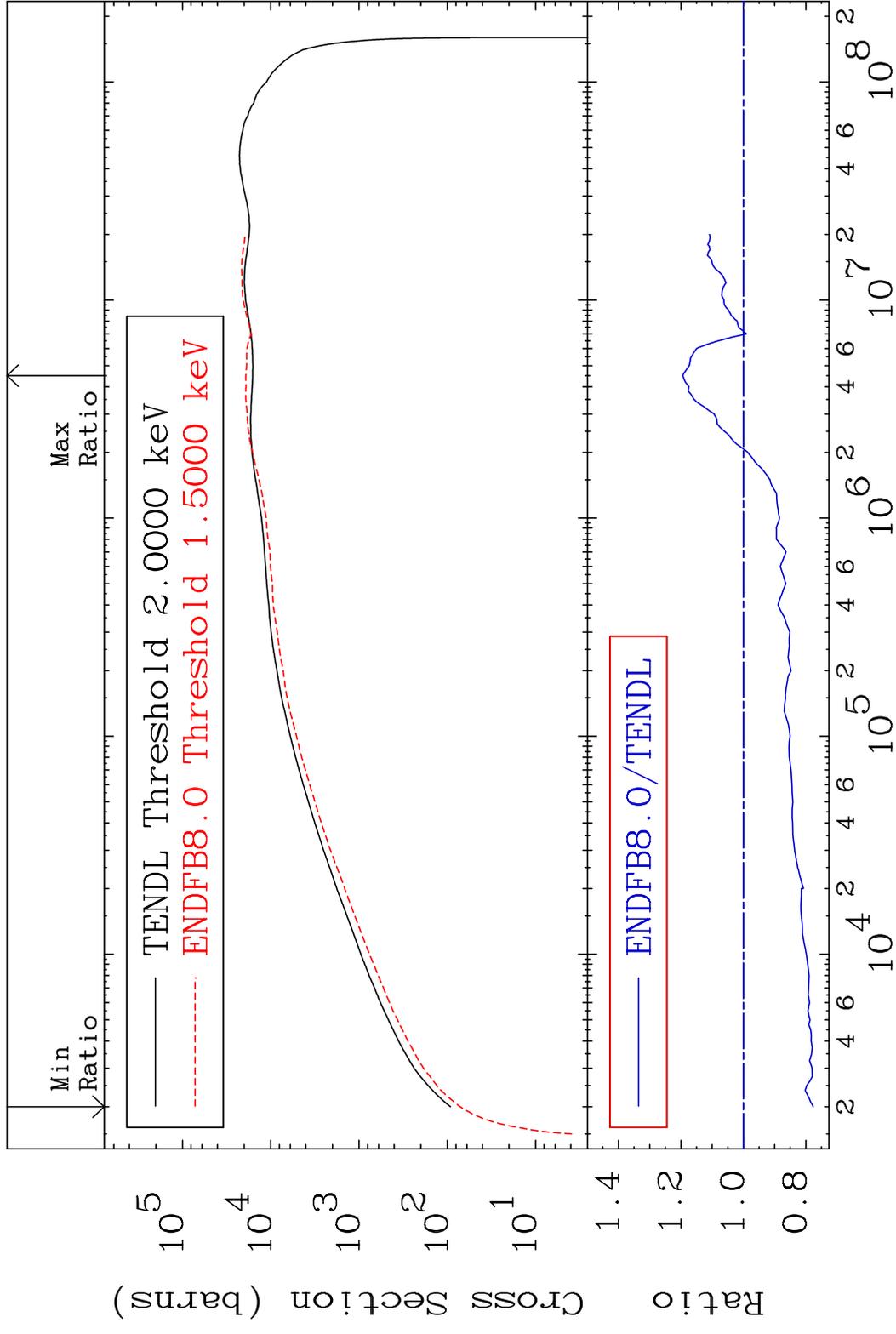
Dpa total (eV-barns)

96-Cm-243

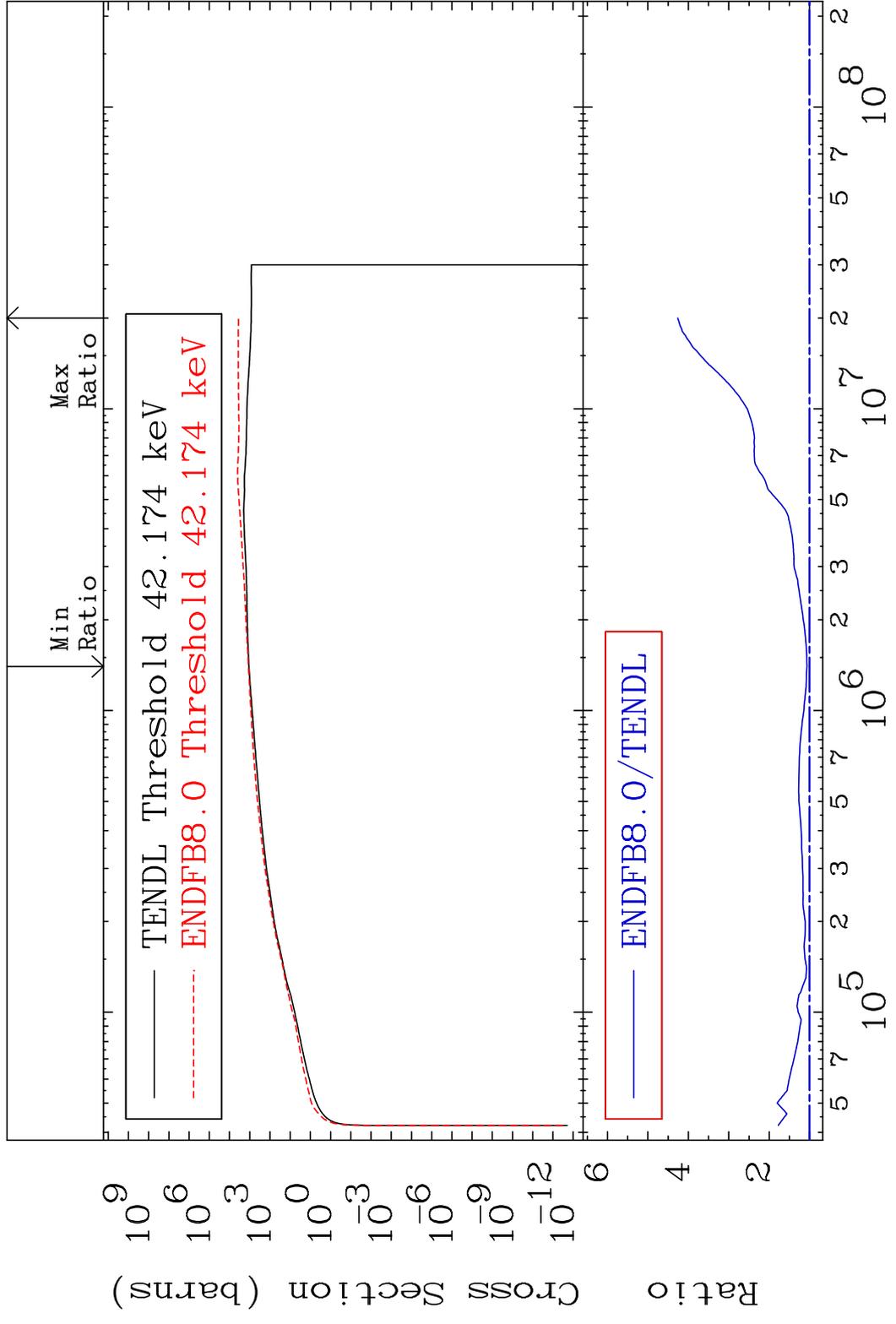
Cross Section -61.23 To 23.91 %



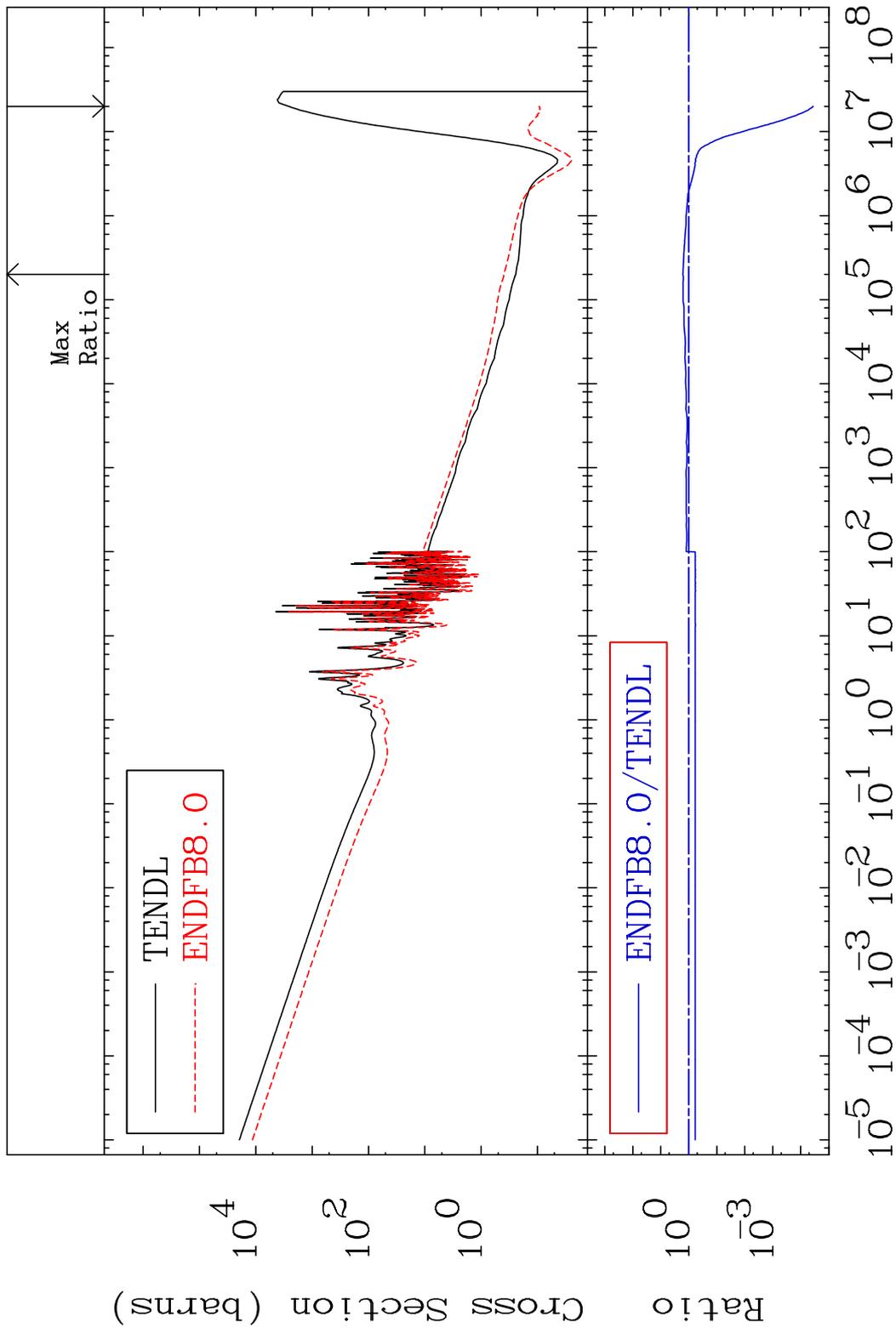
MAT 9634      Dpa elastic (mt2)      96-Cm-243  
 Cross Section      -22.33 To 19.39 %



MAT 9634      Dpa inelastic (mt51-91)      96-Cm-243  
 Cross Section      6.550      To 326.3 %



MAT 9634 Dpa disappearance (mt102 -120) 96-Cm-243  
 Cross Section -100.0 To 63.15 %



34 Incident Energy (eV) 96-Cm-243