

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

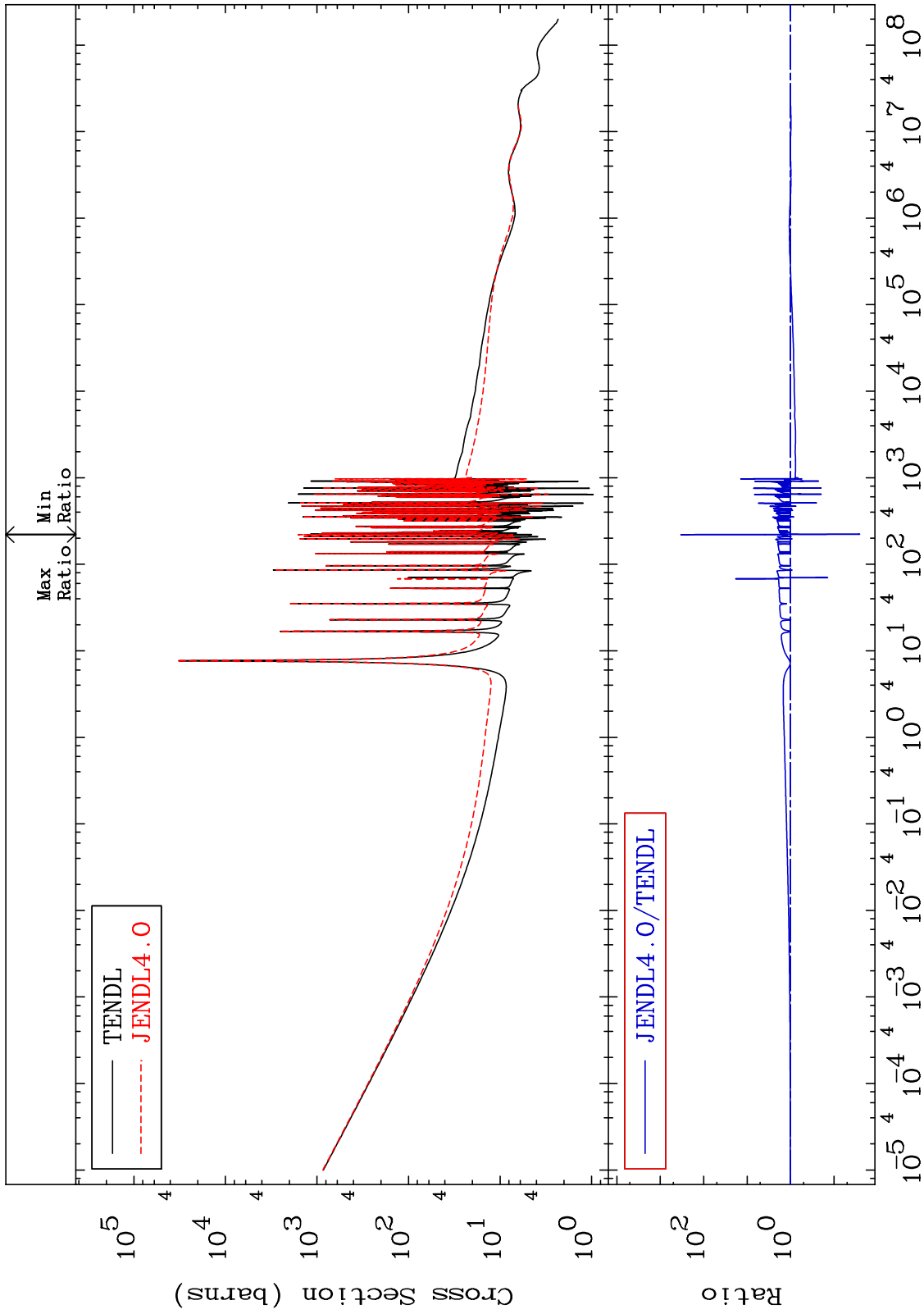
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9637

Total  
Cross Section

96-Cm-244  
-97.43 To 9999. %



1

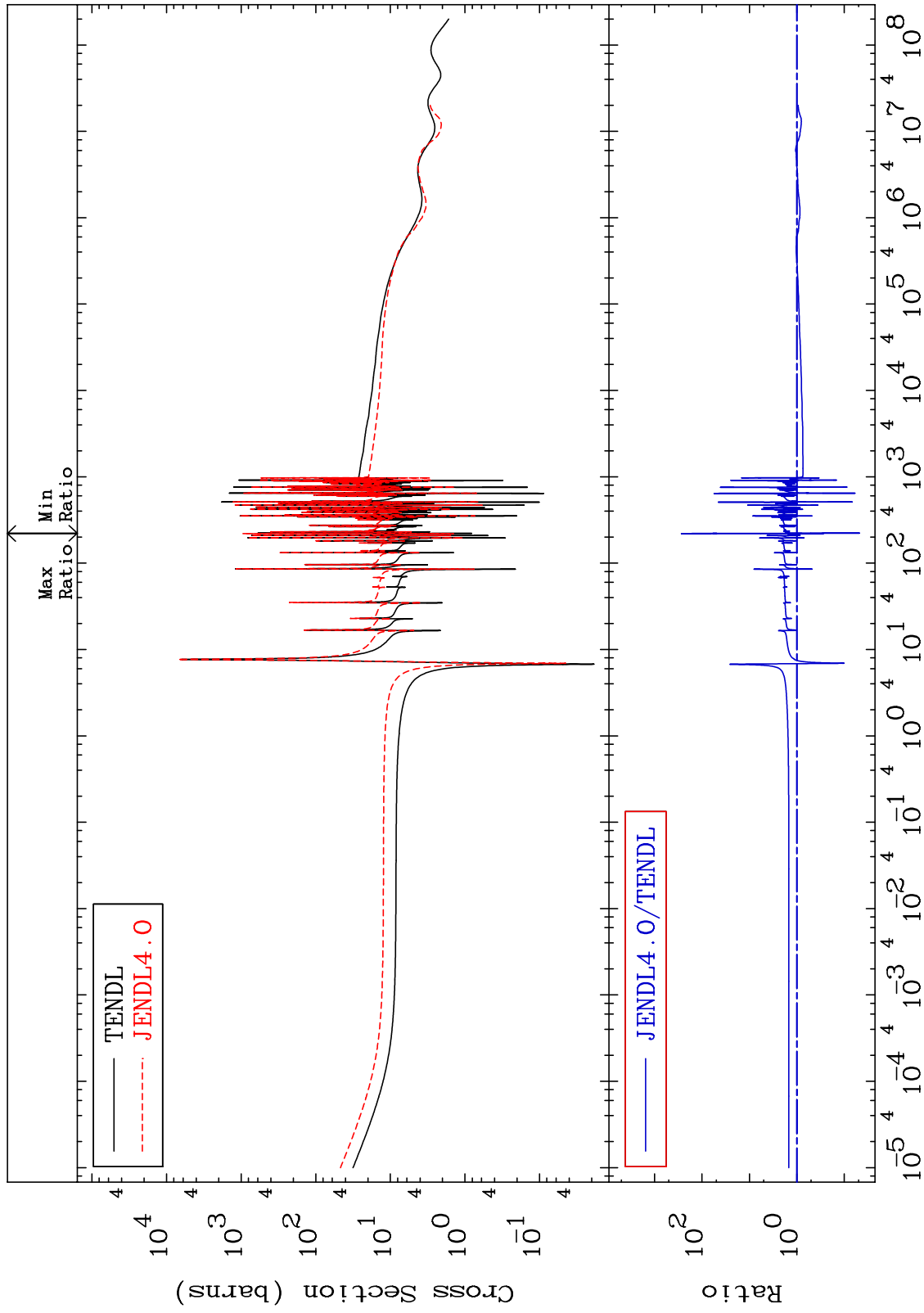
Incident Energy (eV)

96-Cm-244

MAT 9637

Elastic  
Cross Section

96-Cm-244  
-95.28 To 9999. %



2

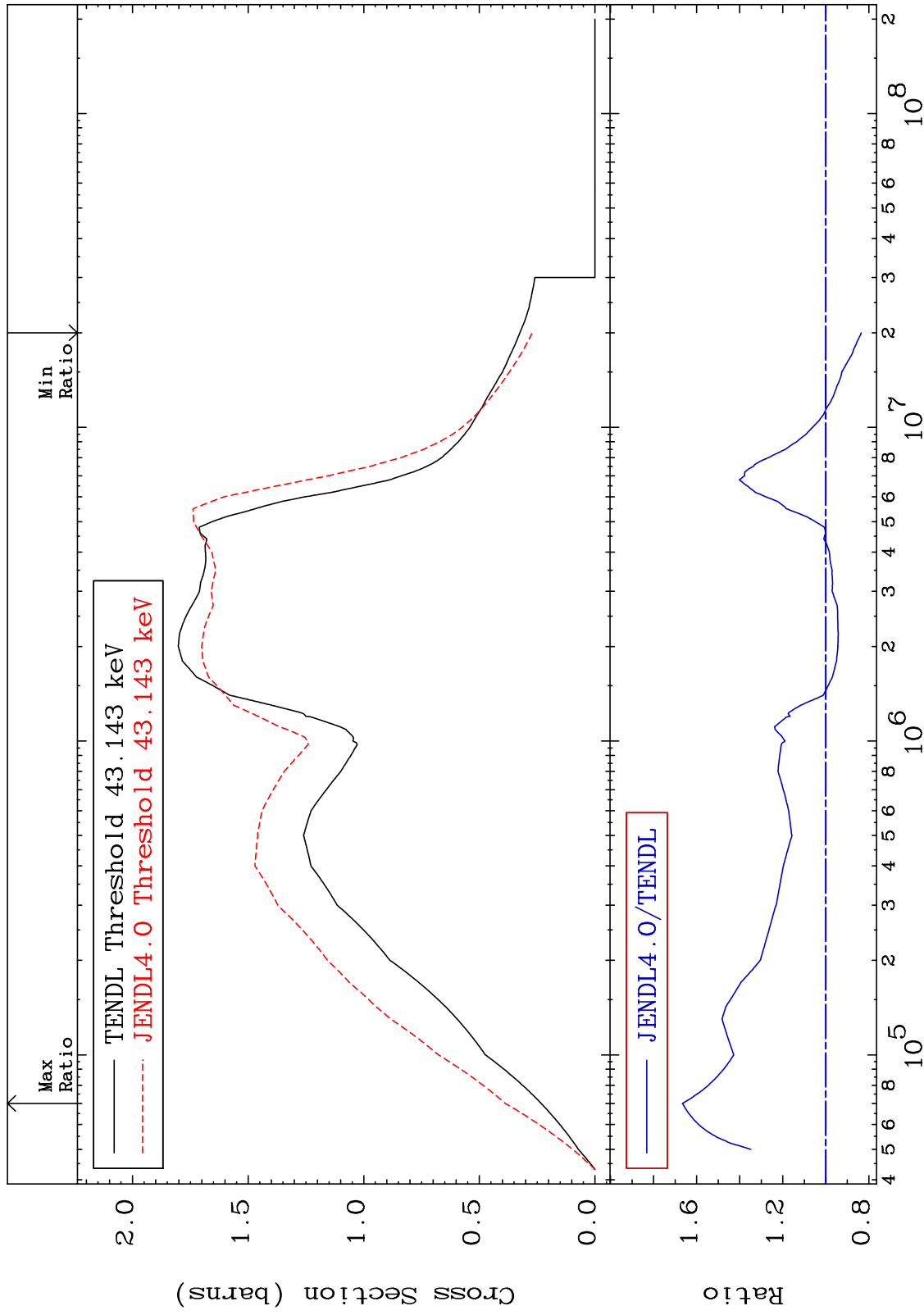
Incident Energy (eV)

96-Cm-244

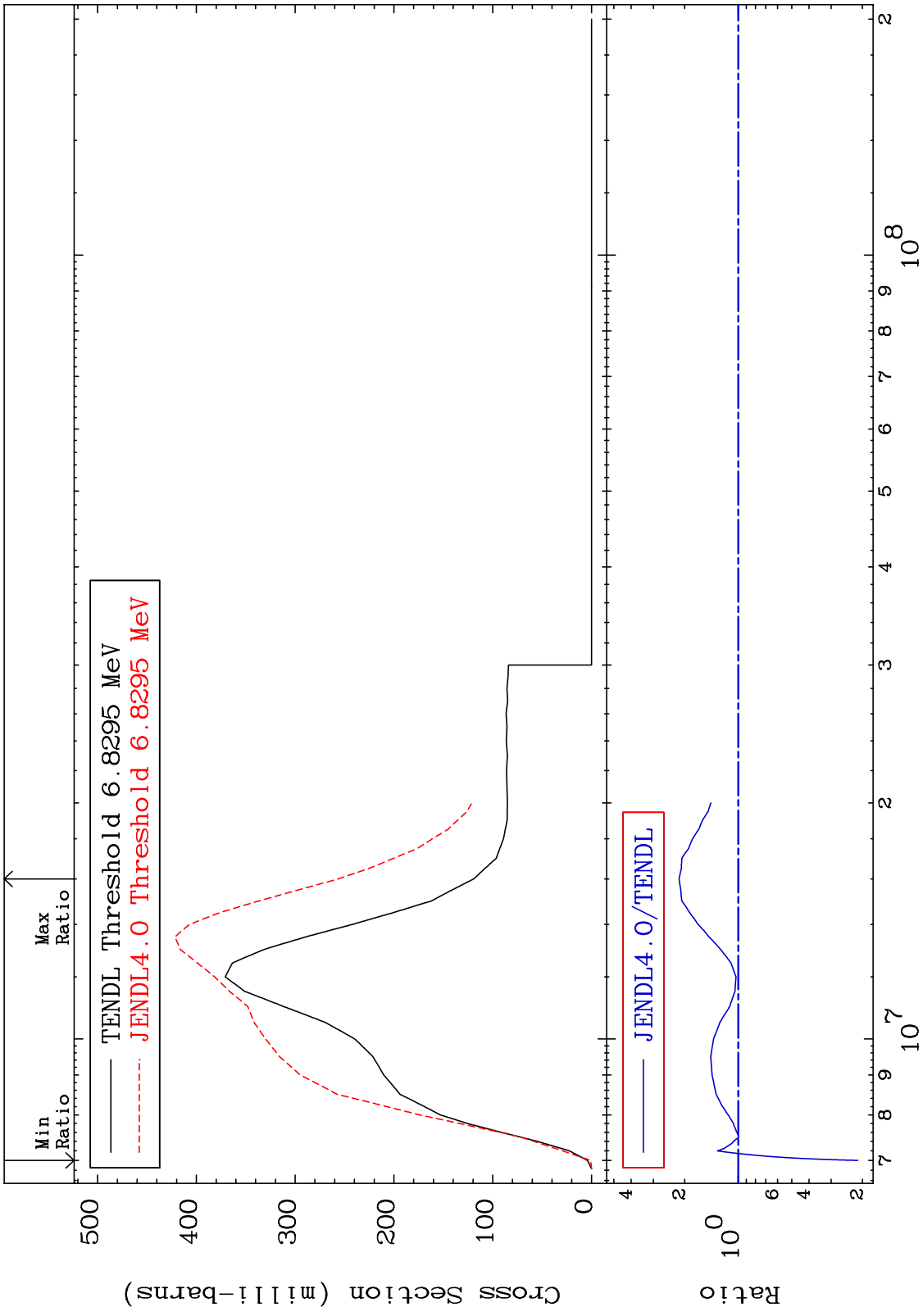
MAT 9637

Inelastic  
Cross Section

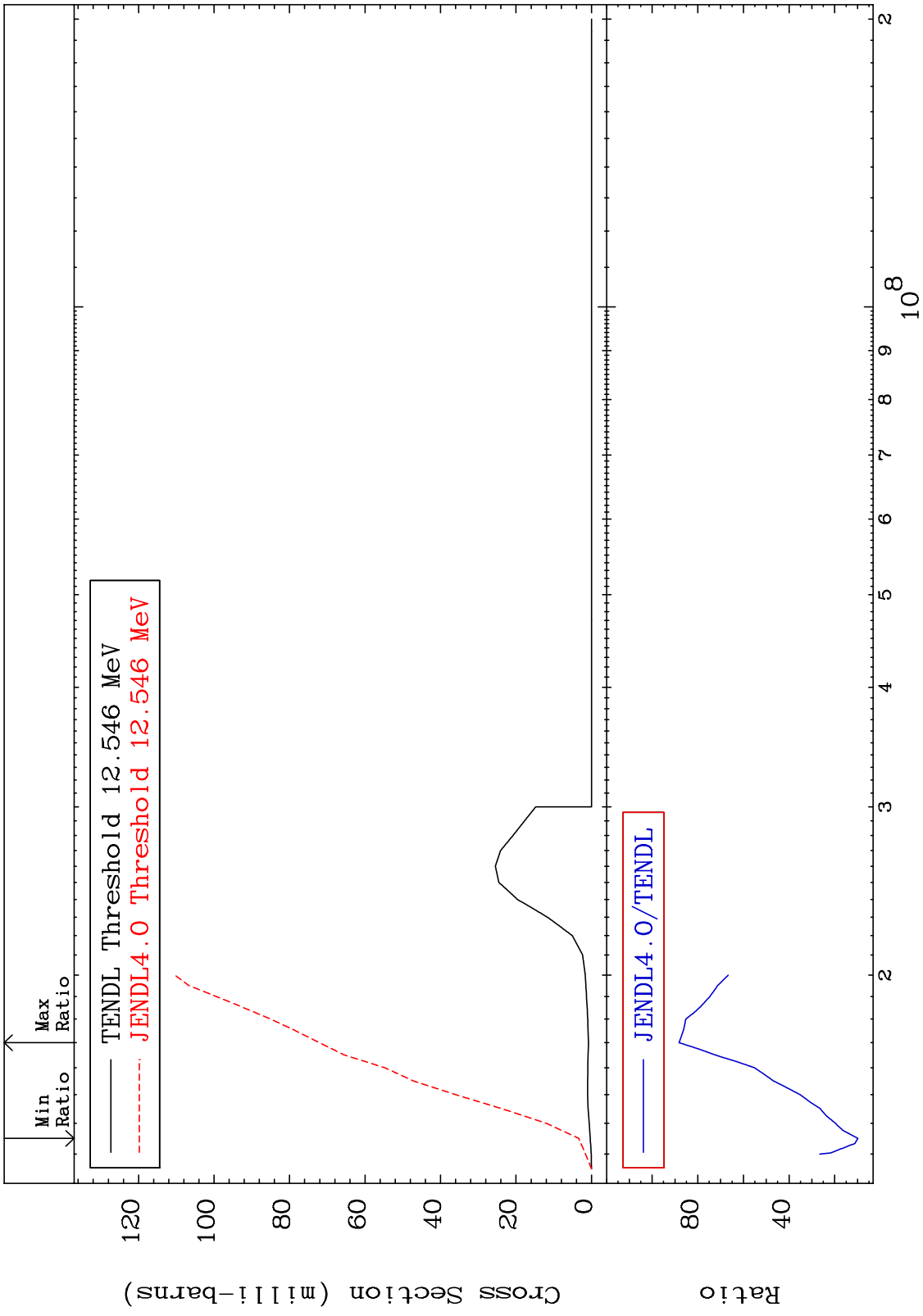
96-Cm-244  
-16.47 To 66.60 %



MAT 9637 (n,2n) Cross Section 96-Cm-244 -78.76 To 115.1 %



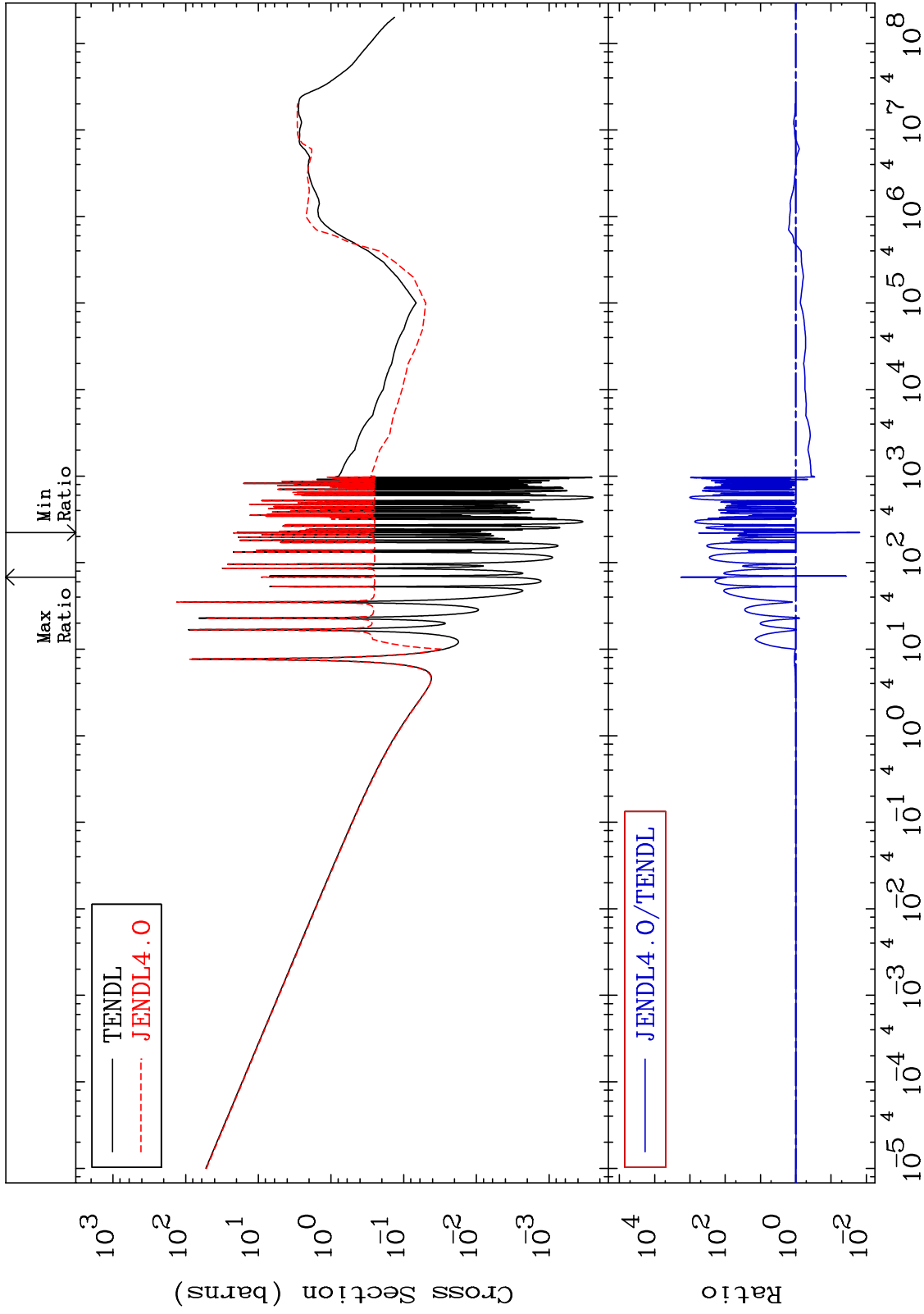
MAT 9637 (n,3n) Cross Section 96-Cm-244 To 8721. %  
 886.8



MAT 9637

Fission  
Cross Section

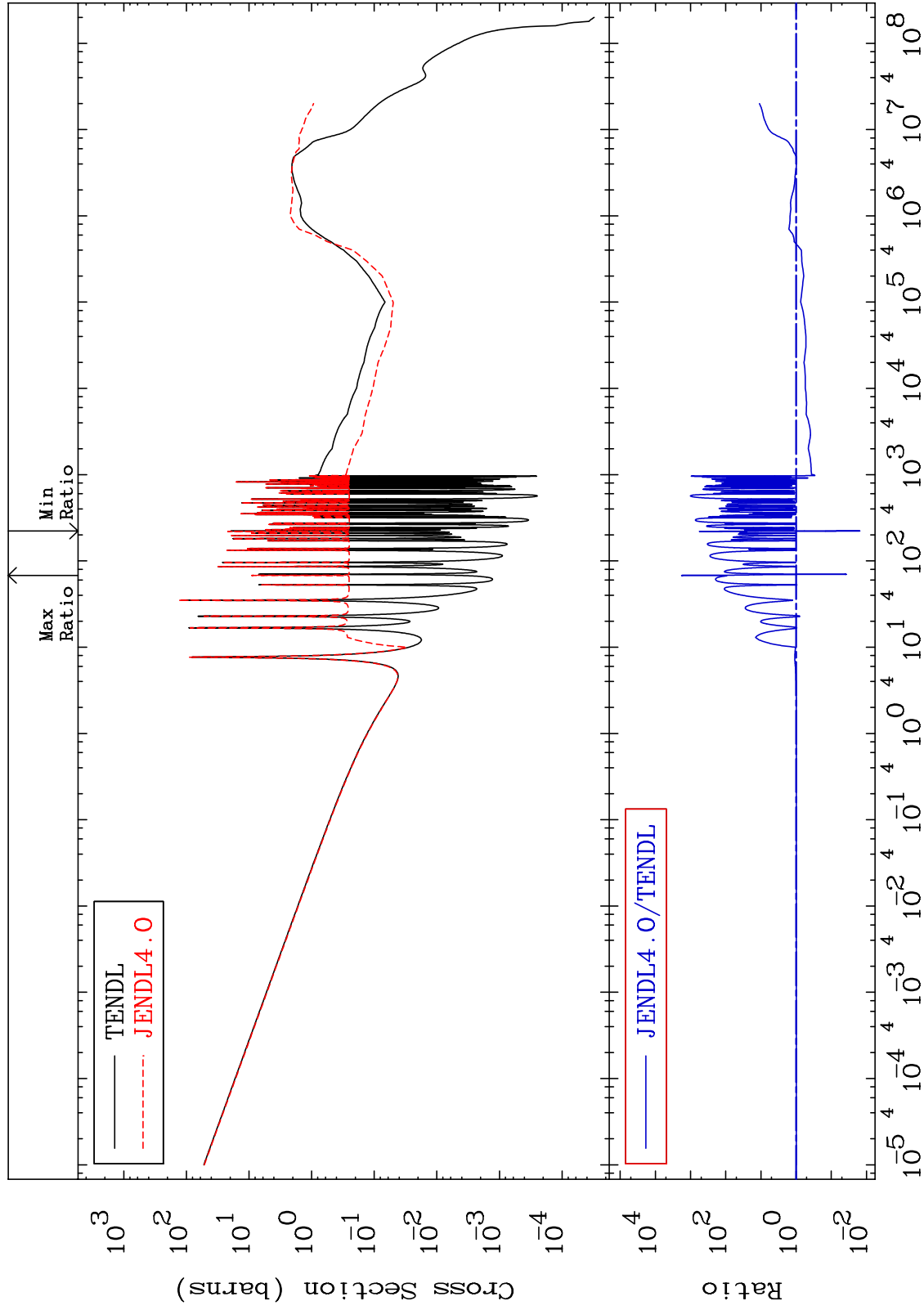
96-Cm-244  
-98.46 To 9999. %



MAT 9637

(n,f) First Chance  
Cross Section

96-Cm-244  
-98.46 To 9999. %



7

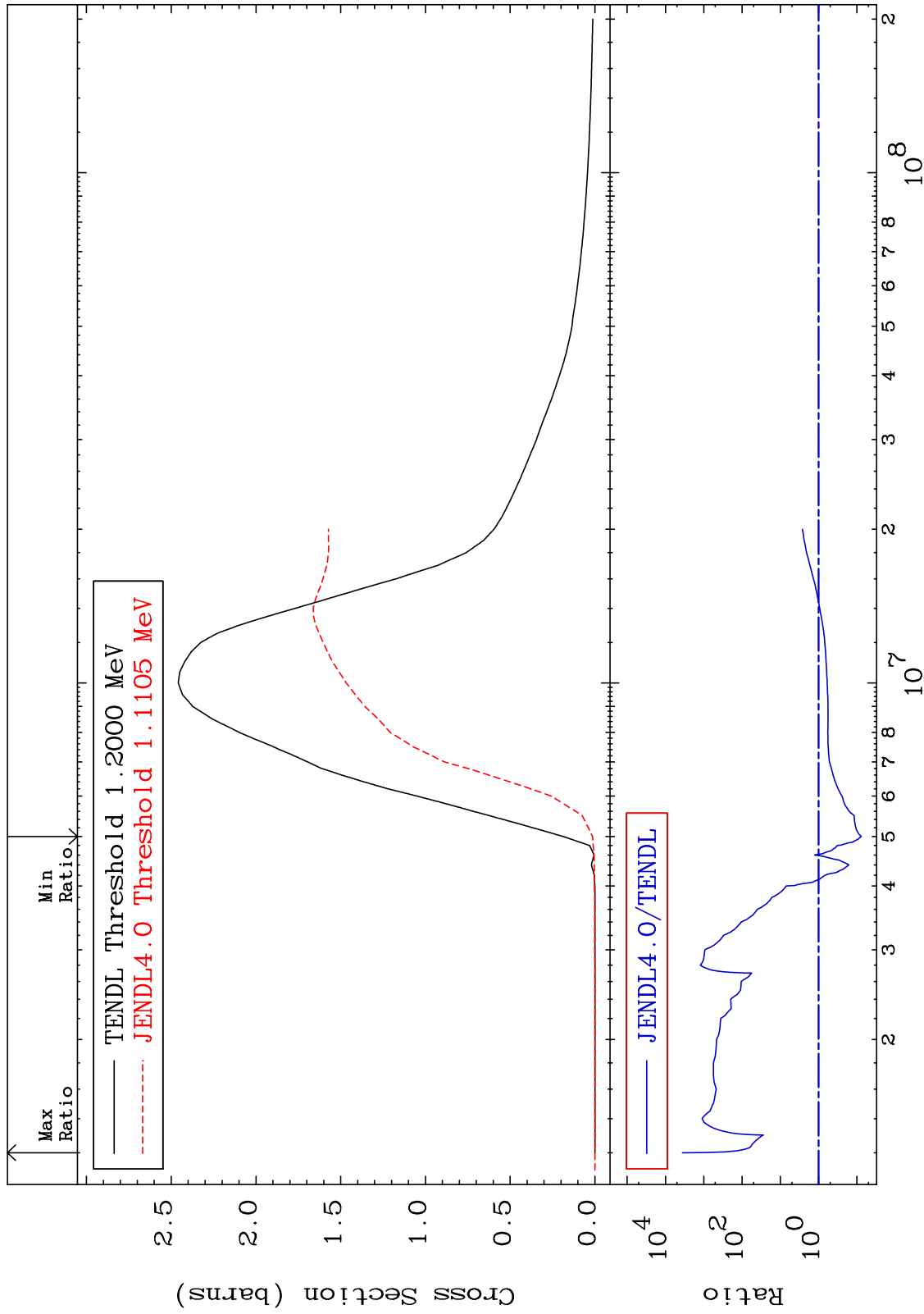
Incident Energy (eV)

96-Cm-244

MAT 9637

(n,nf) Second Chance  
Cross Section

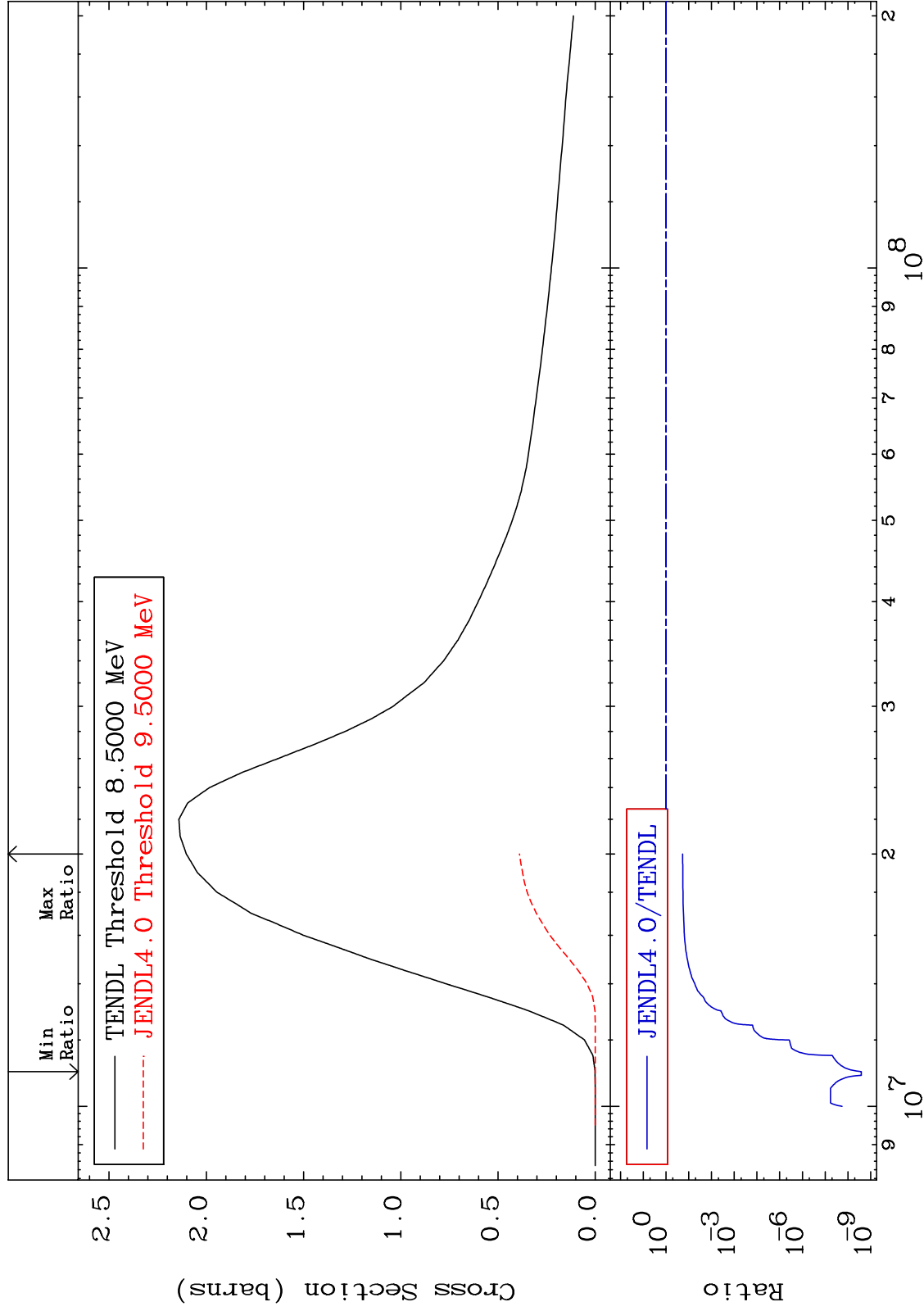
96-Cm-244  
-92.30 To 9999. %



MAT 9637

(n,2nf) Third Chance  
Cross Section

96-Cm-244  
-100.0 To -81.49%



9

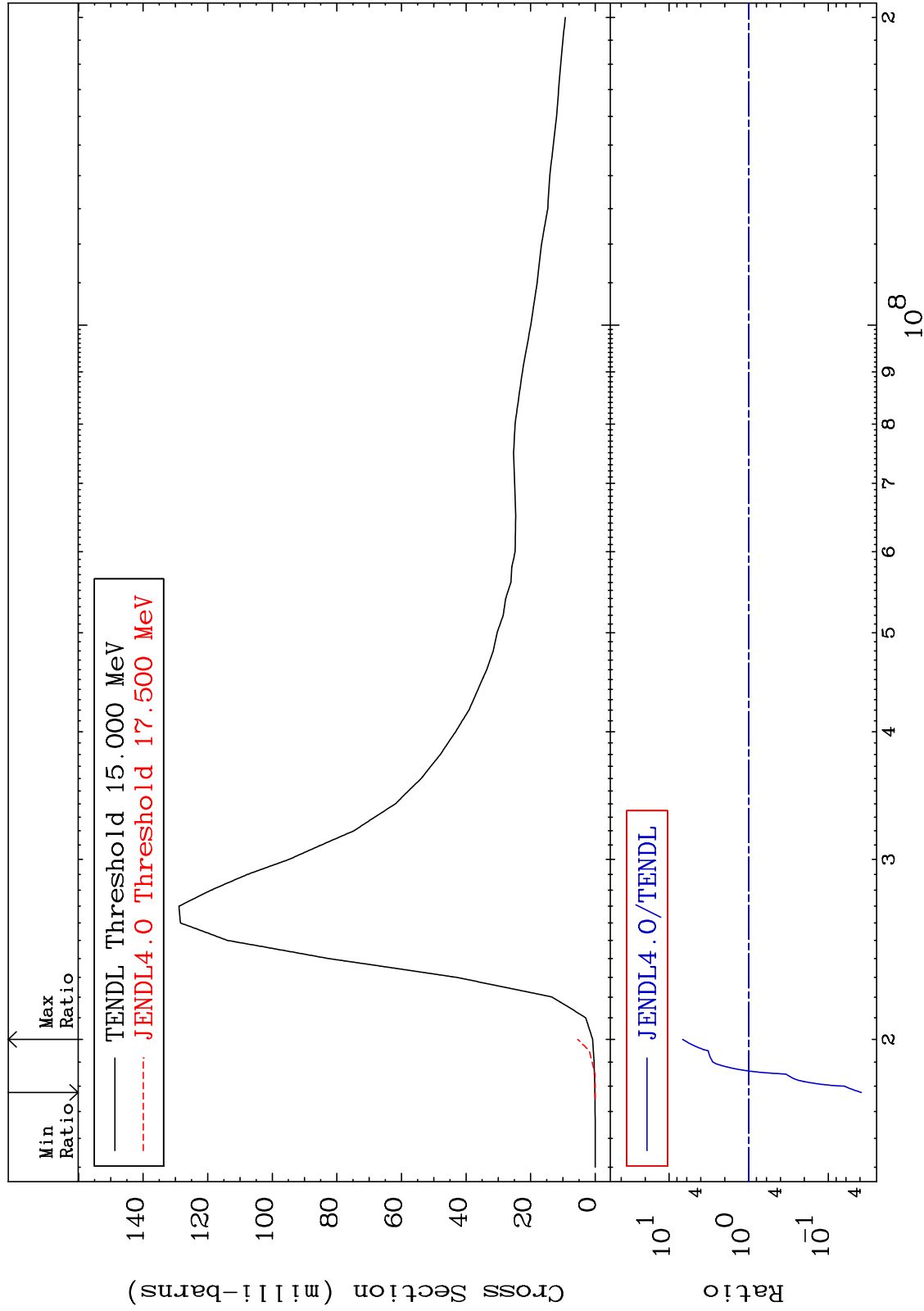
Incident Energy (eV)

96-Cm-244

MAT 9637

(n,3nf) Fourth Chance  
Cross Section

96-Cm-244  
-96.15 To 575.6 %

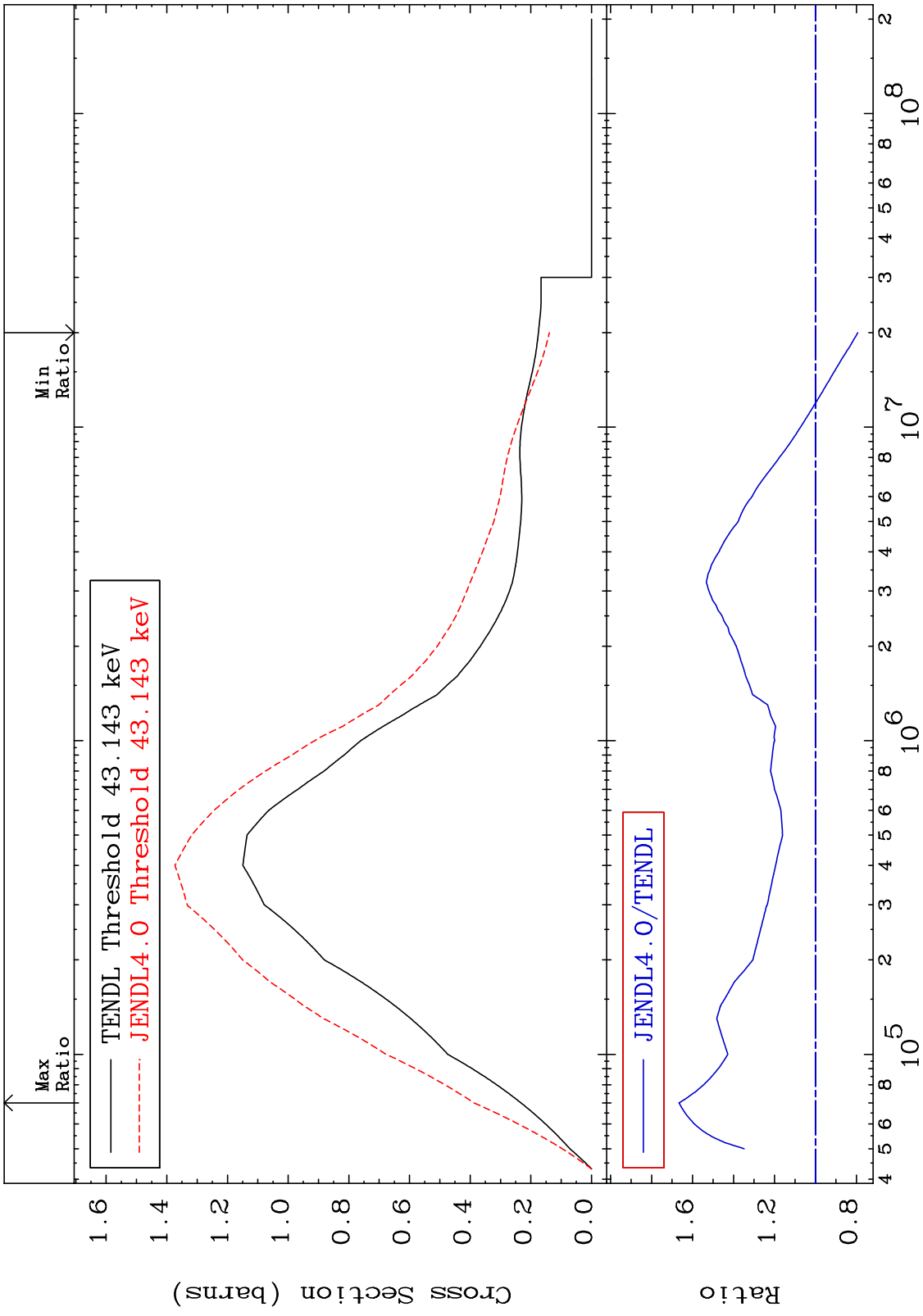


10

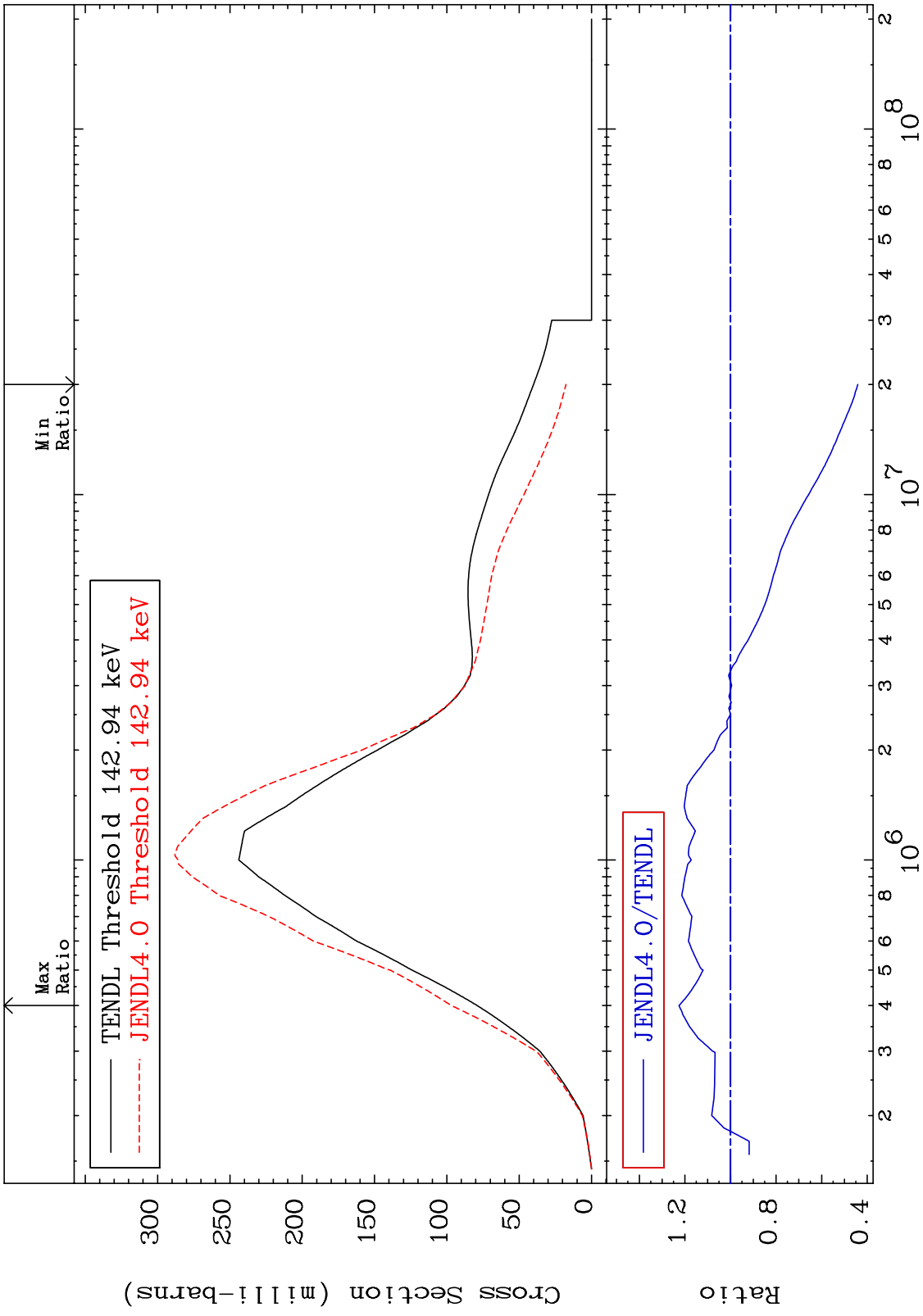
Incident Energy (eV)

96-Cm-244

MAT 9637 MT= 51 (n,n') Level Cross Section 96-Cm-244  
 -20.66 To 66.60 %



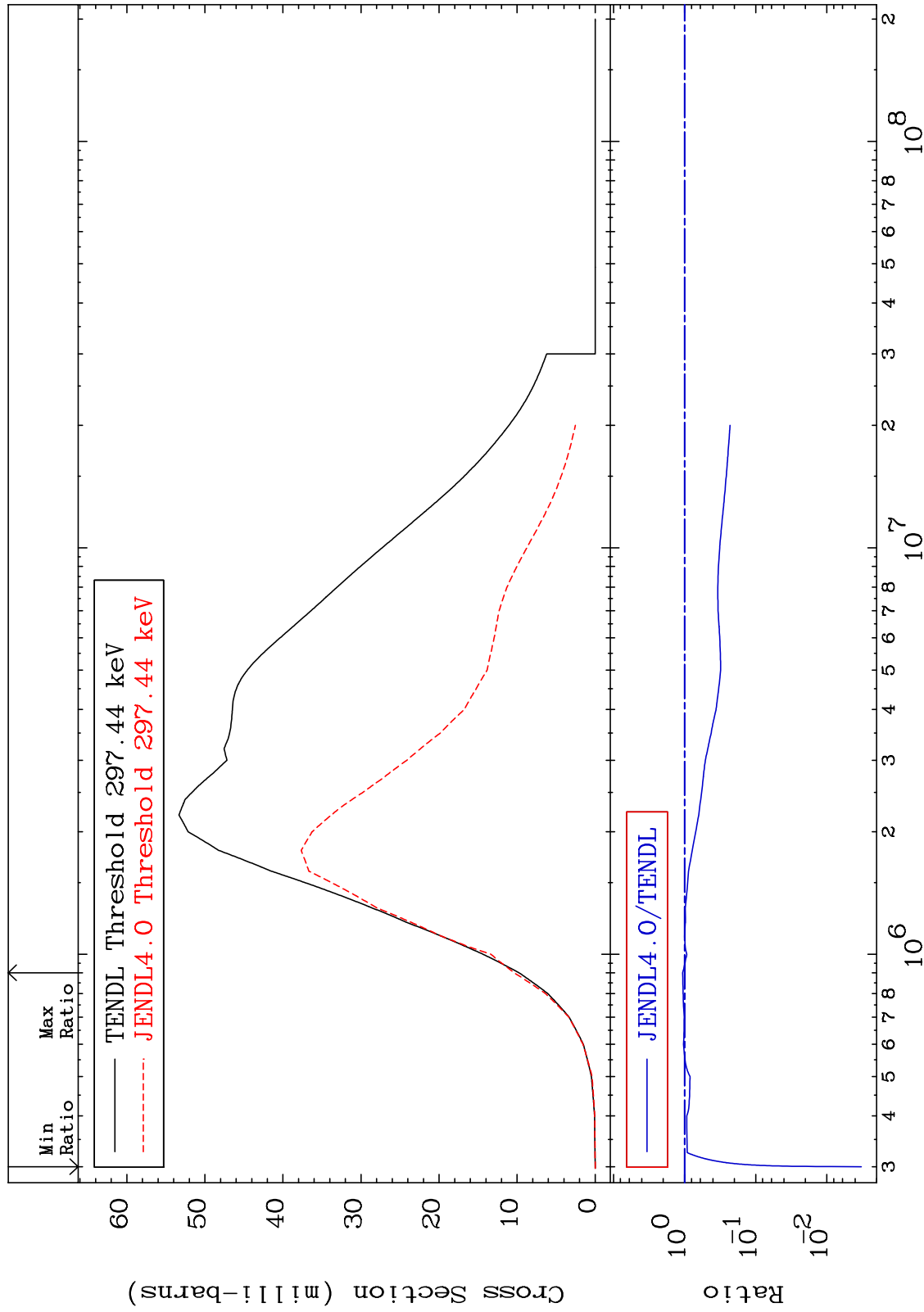
MAT 9637 MT= 52 (n,n') Level Cross Section 96-Cm-244 -55.87 To 22.56 %



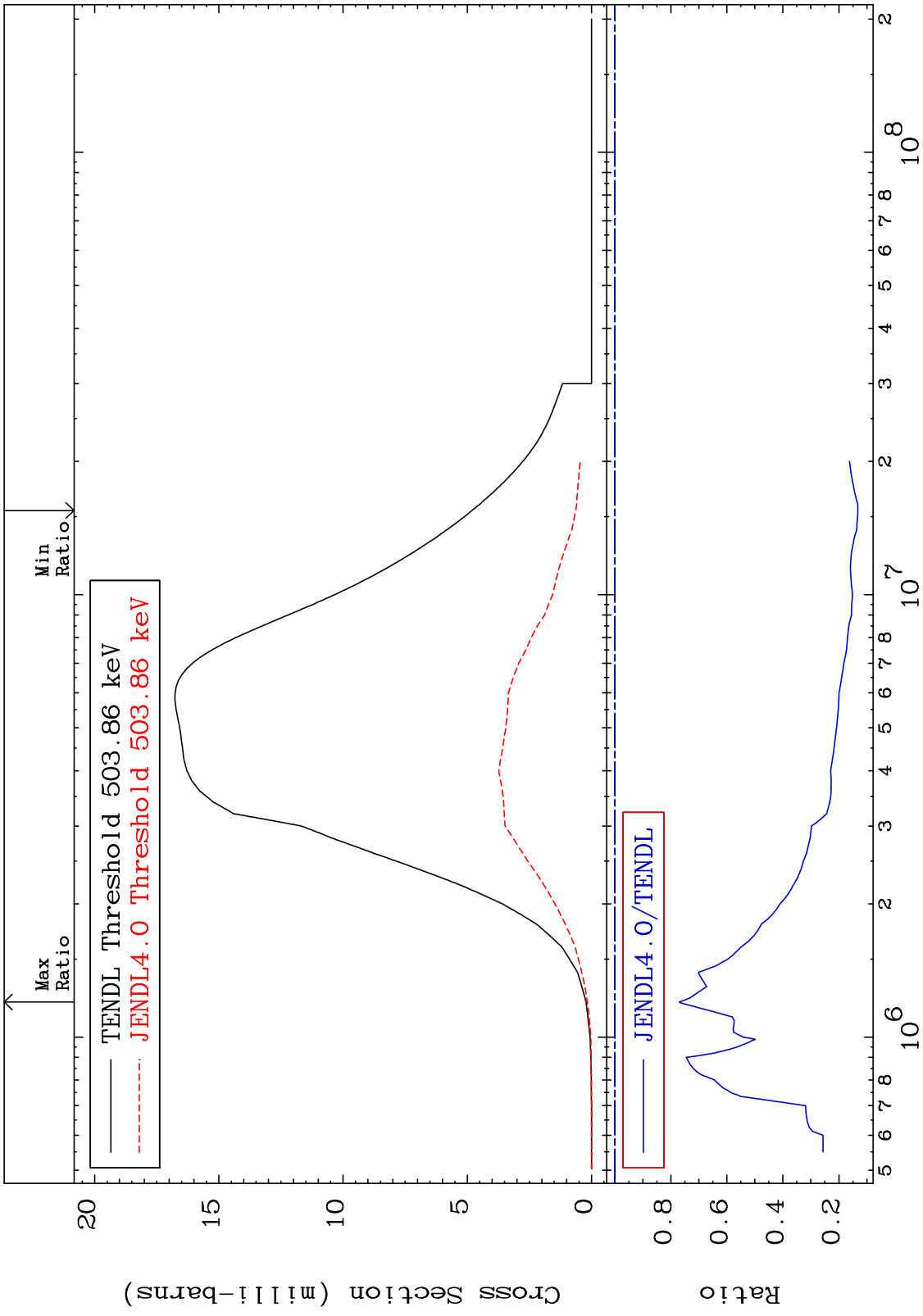
MAT 9637

MT= 53 (n,n') Level  
Cross Section

96-Cm-244  
-99.67 To 6.479 %



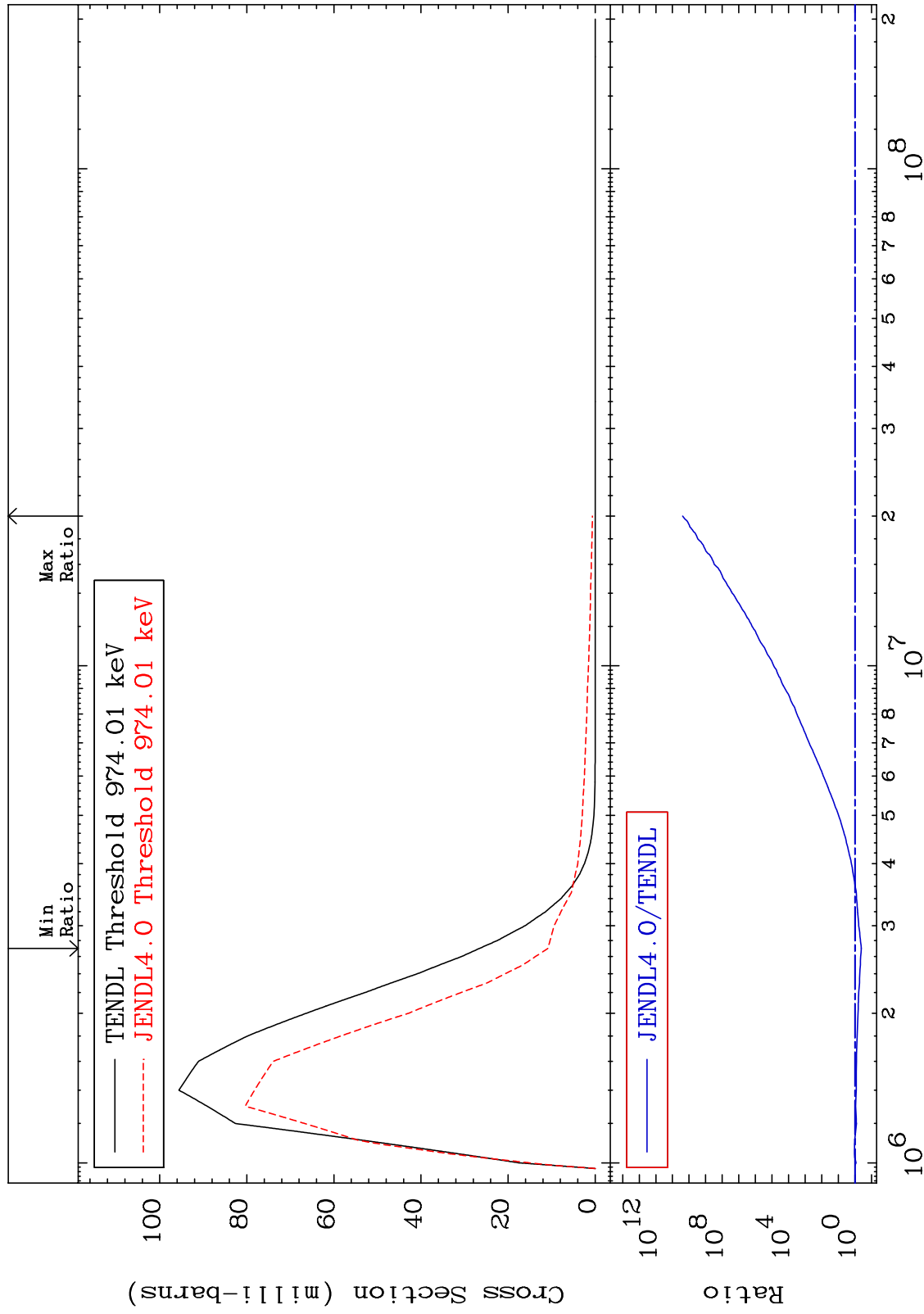
MAT 9637 MT= 54 (n,n') Level Cross Section 96-Cm-244 -86.77 To -22.92%



MAT 9637

MT= 55 (n,n') Level  
Cross Section

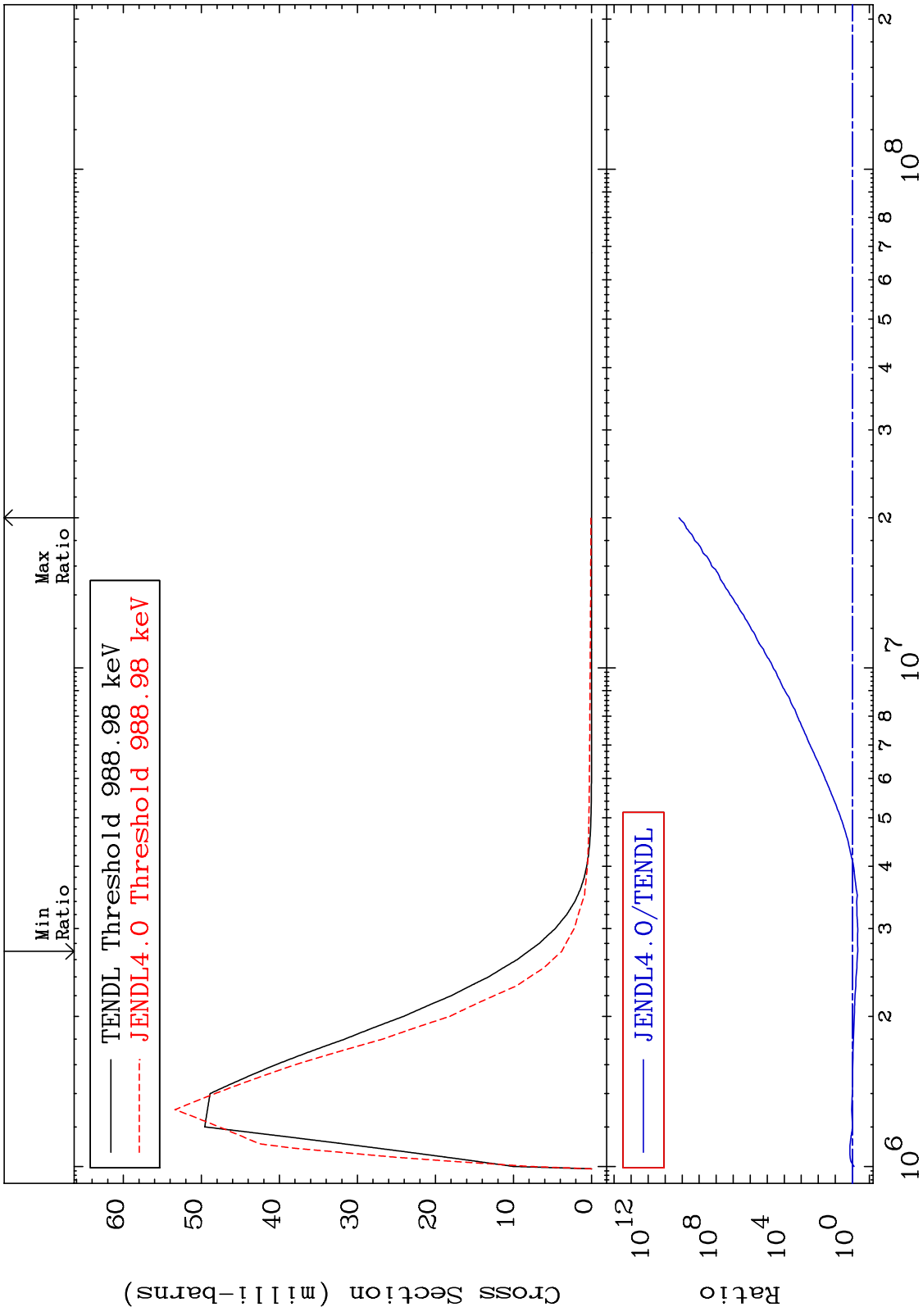
96-Cm-244  
-59.25 To 9999. %



96-Cm-244

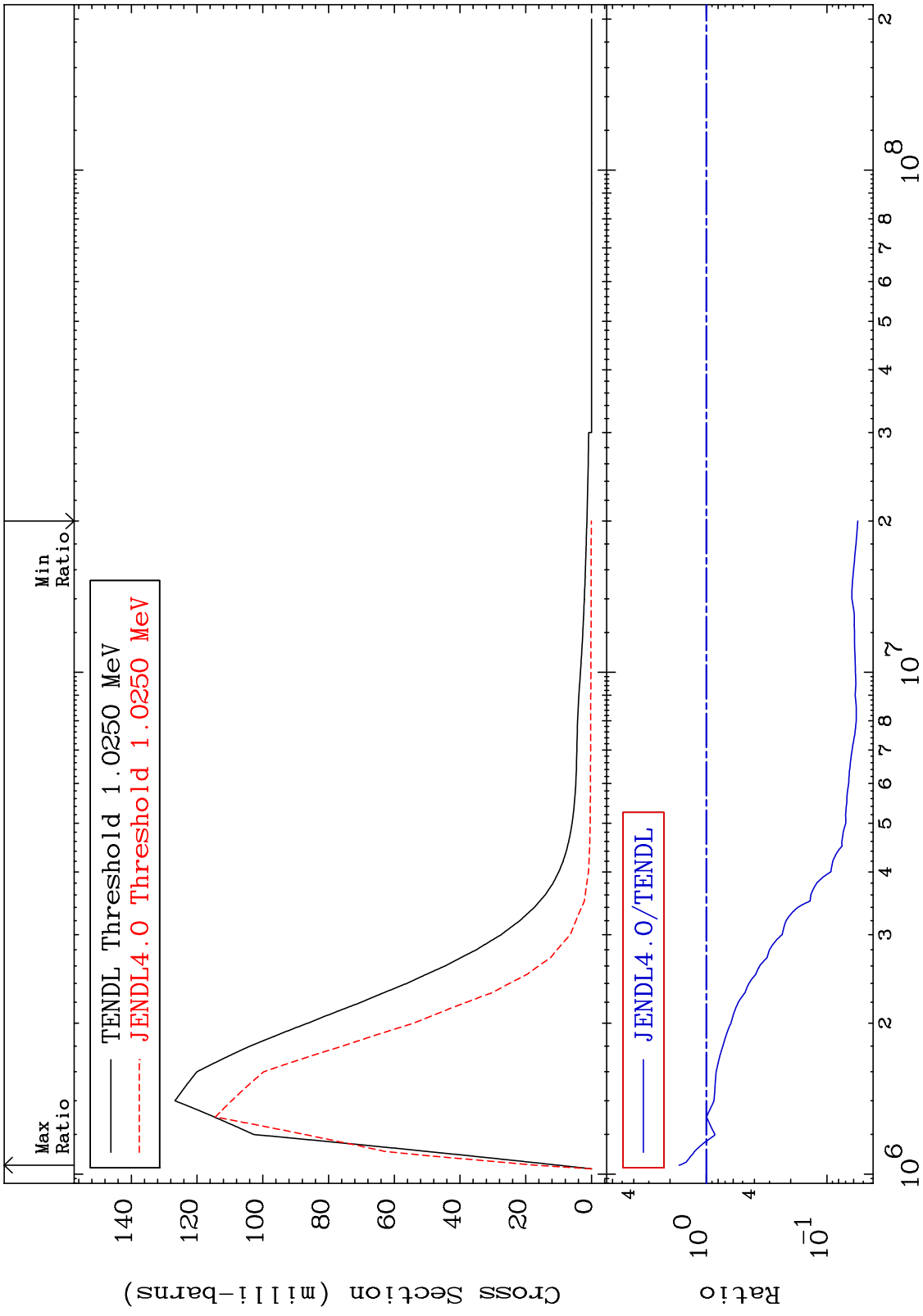
15

MAT 9637 MT= 56 (n,n') Level Cross Section 96-Cm-244 -52.92 To 9999. %



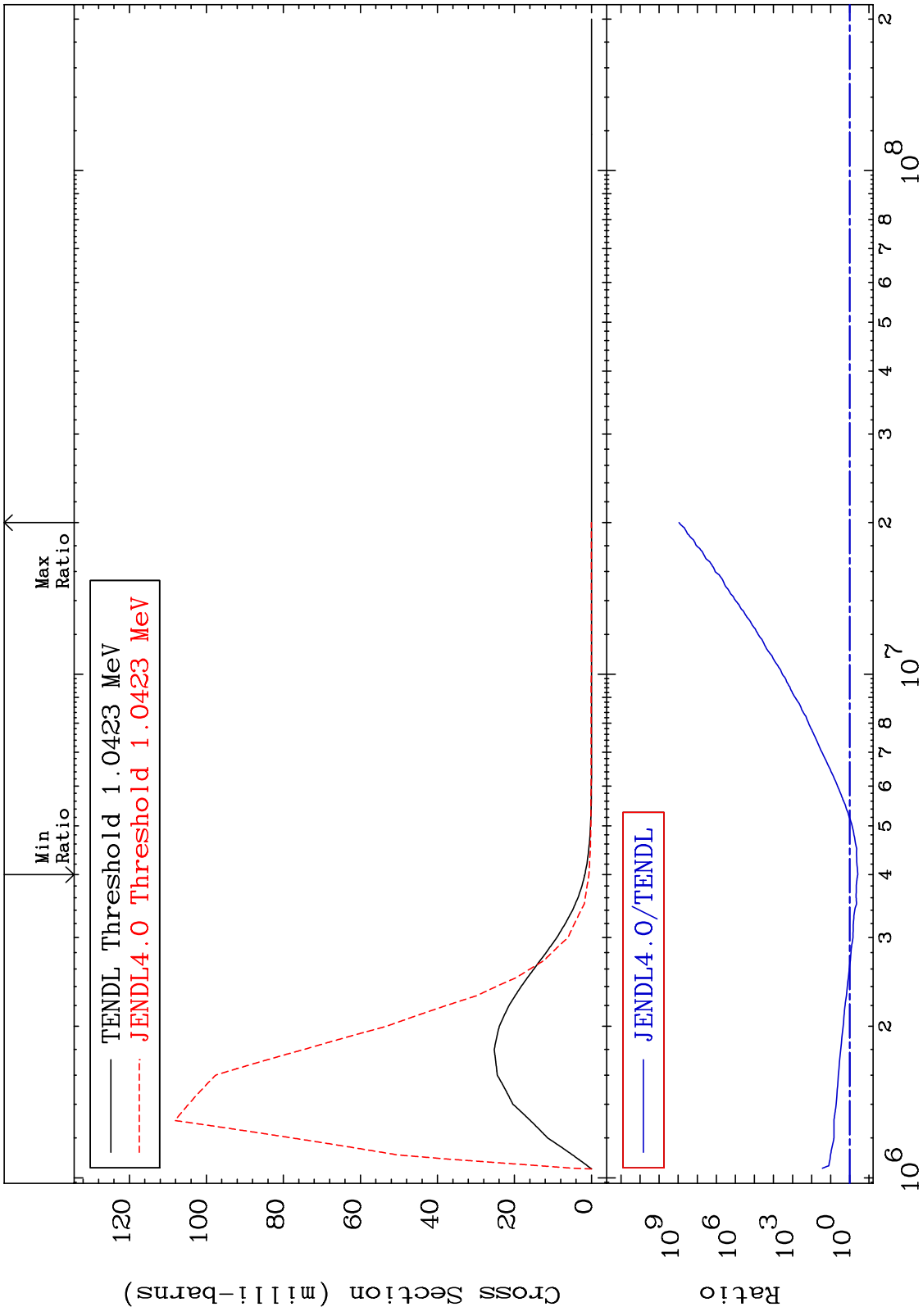
16 16 96-Cm-244

MAT 9637 MT= 57 (n,n') Level Cross Section 96-Cm-244 -94.45 To 68.58 %



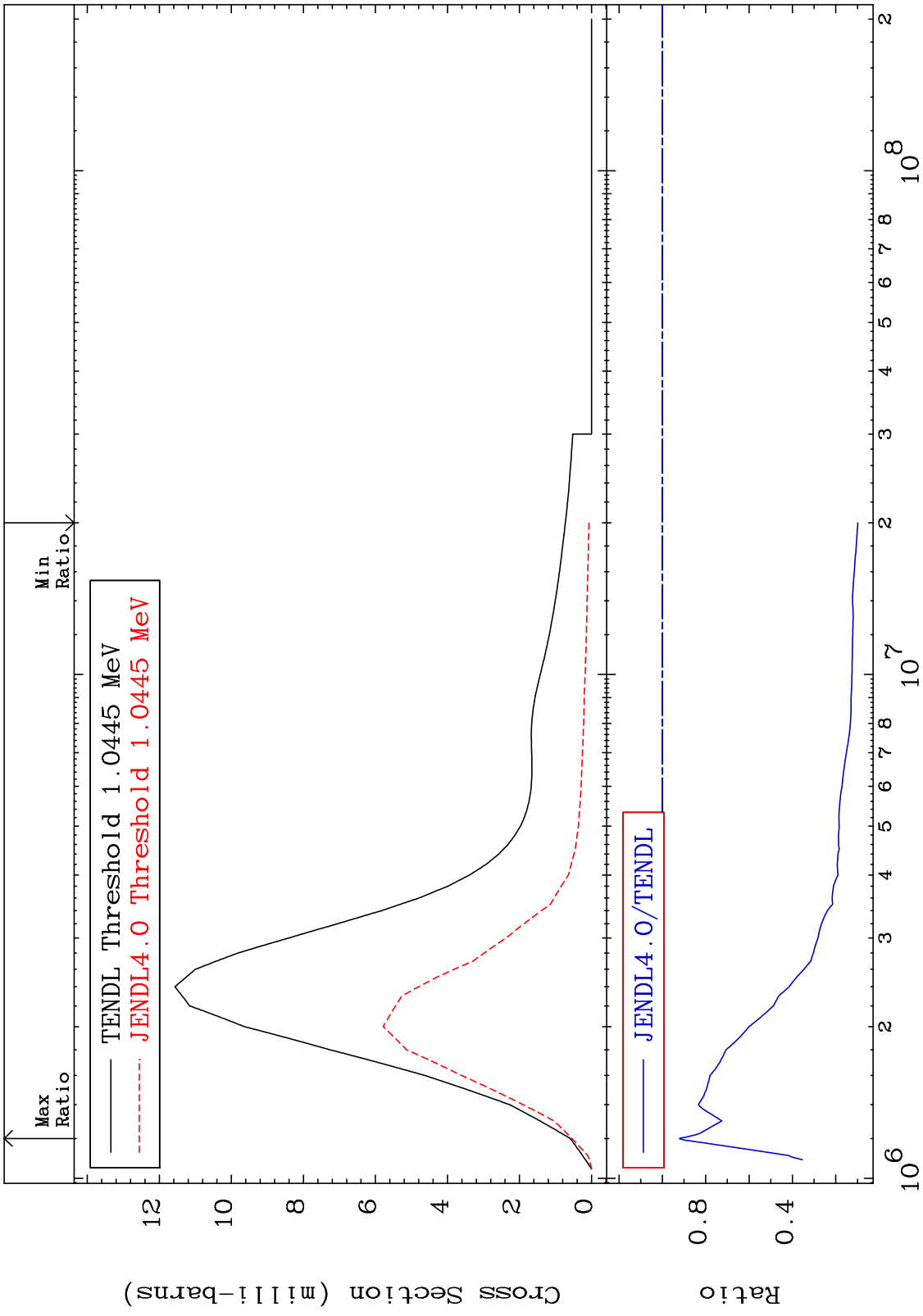
17 96-Cm-244

MAT 9637 MT= 58 (n,n') Level Cross Section 96-Cm-244 -62.17 To 9999. %



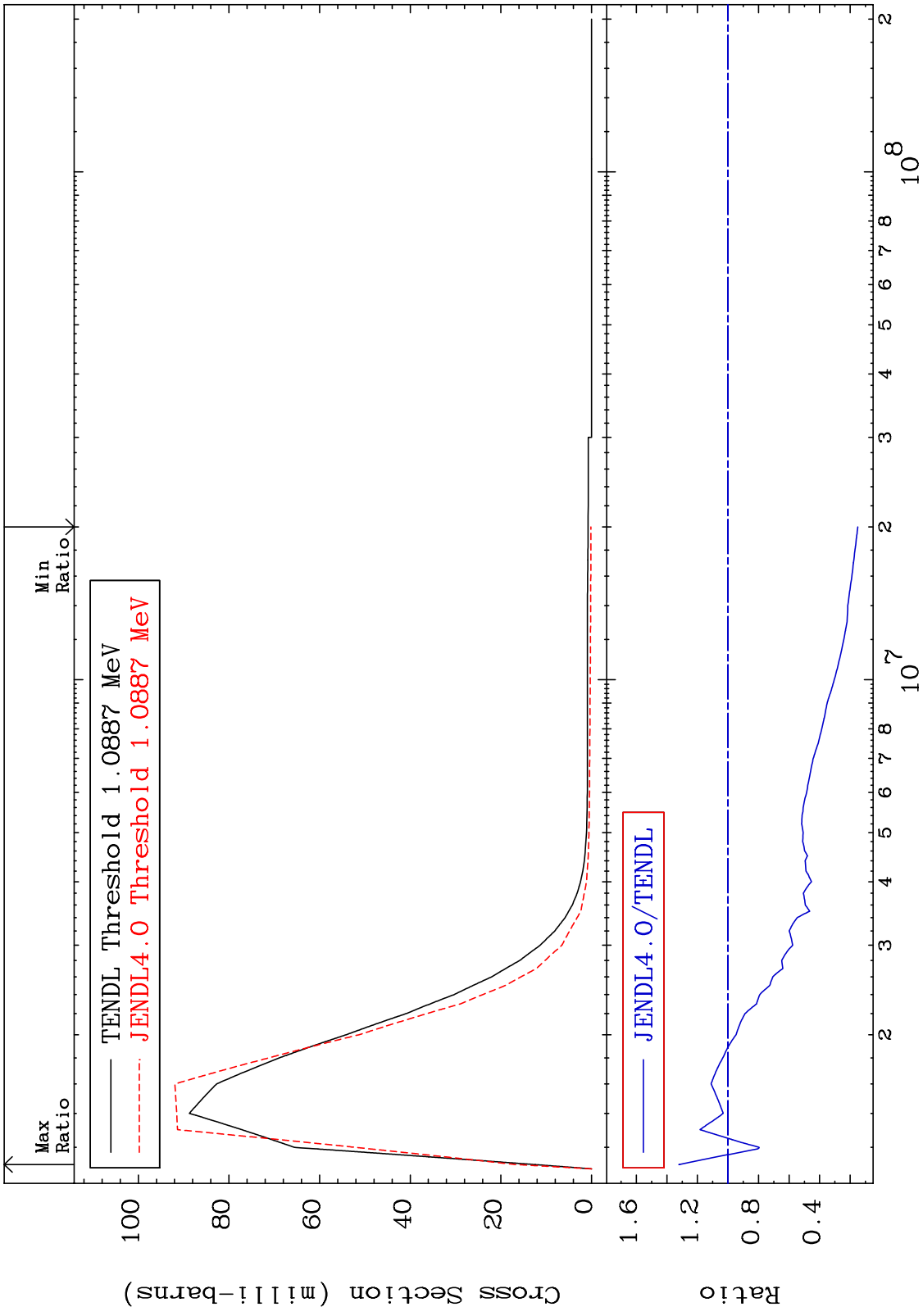
18 Incident Energy (eV) 96-Cm-244

MAT 9637 MT= 59 (n,n') Level Cross Section 96-Cm-244 -90.17 To -7.697%

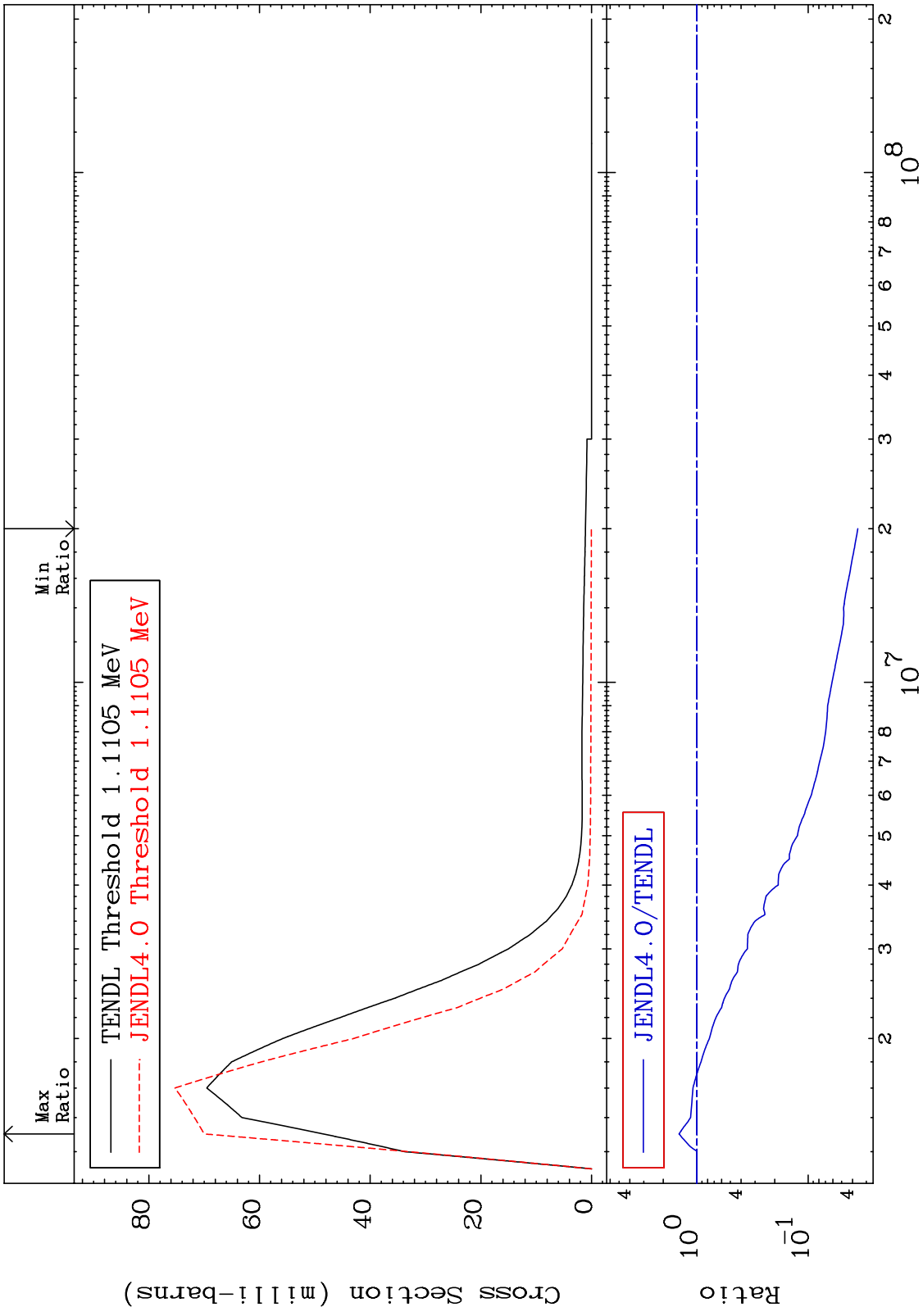


19 96-Cm-244

MAT 9637 MT= 60 (n,n') Level Cross Section 96-Cm-244  
 -85.03 To 32.05 %

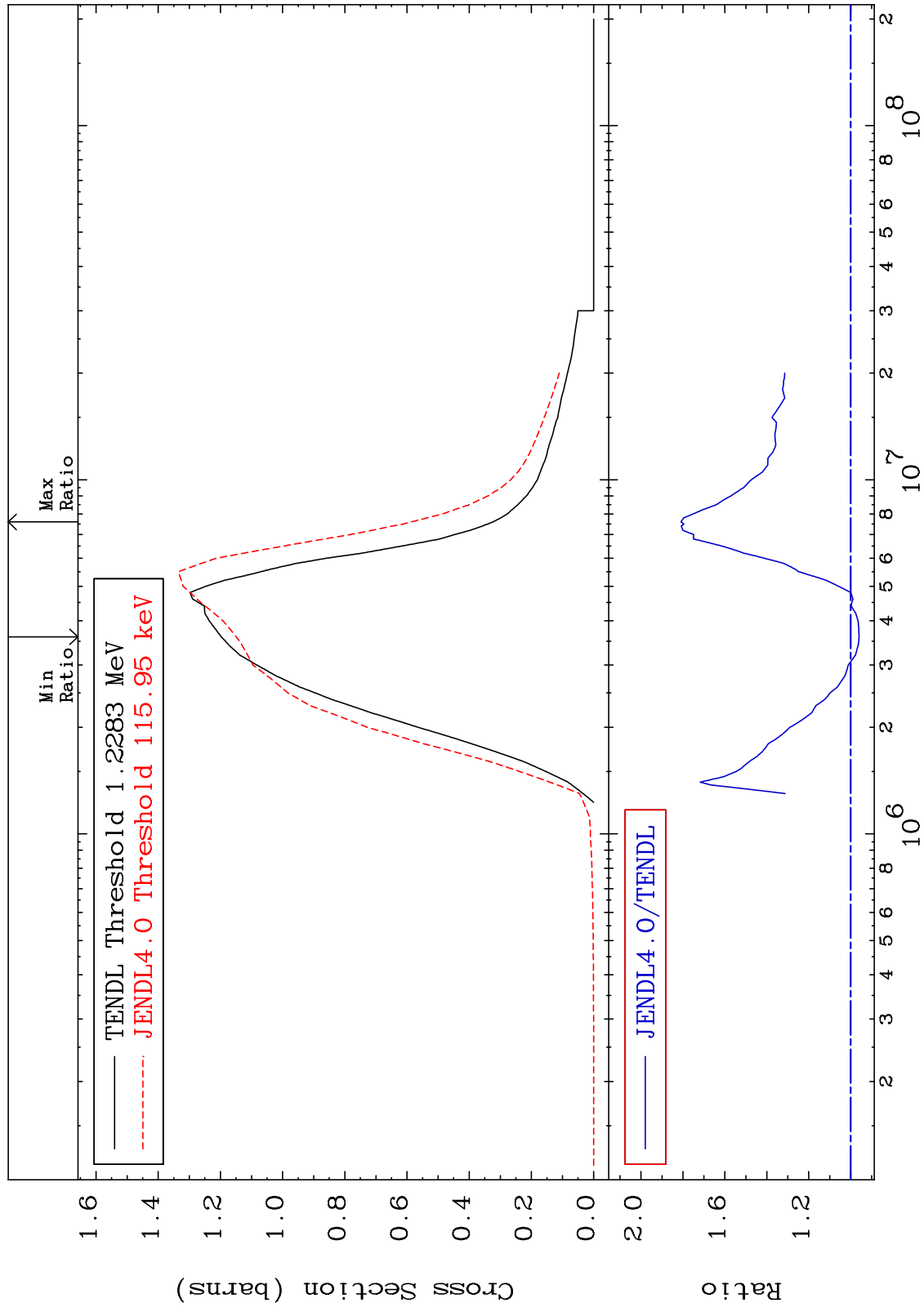


MAT 9637 MT= 61 (n,n') Level Cross Section 96-Cm-244 -96.42 To 44.42 %



MAT 9637

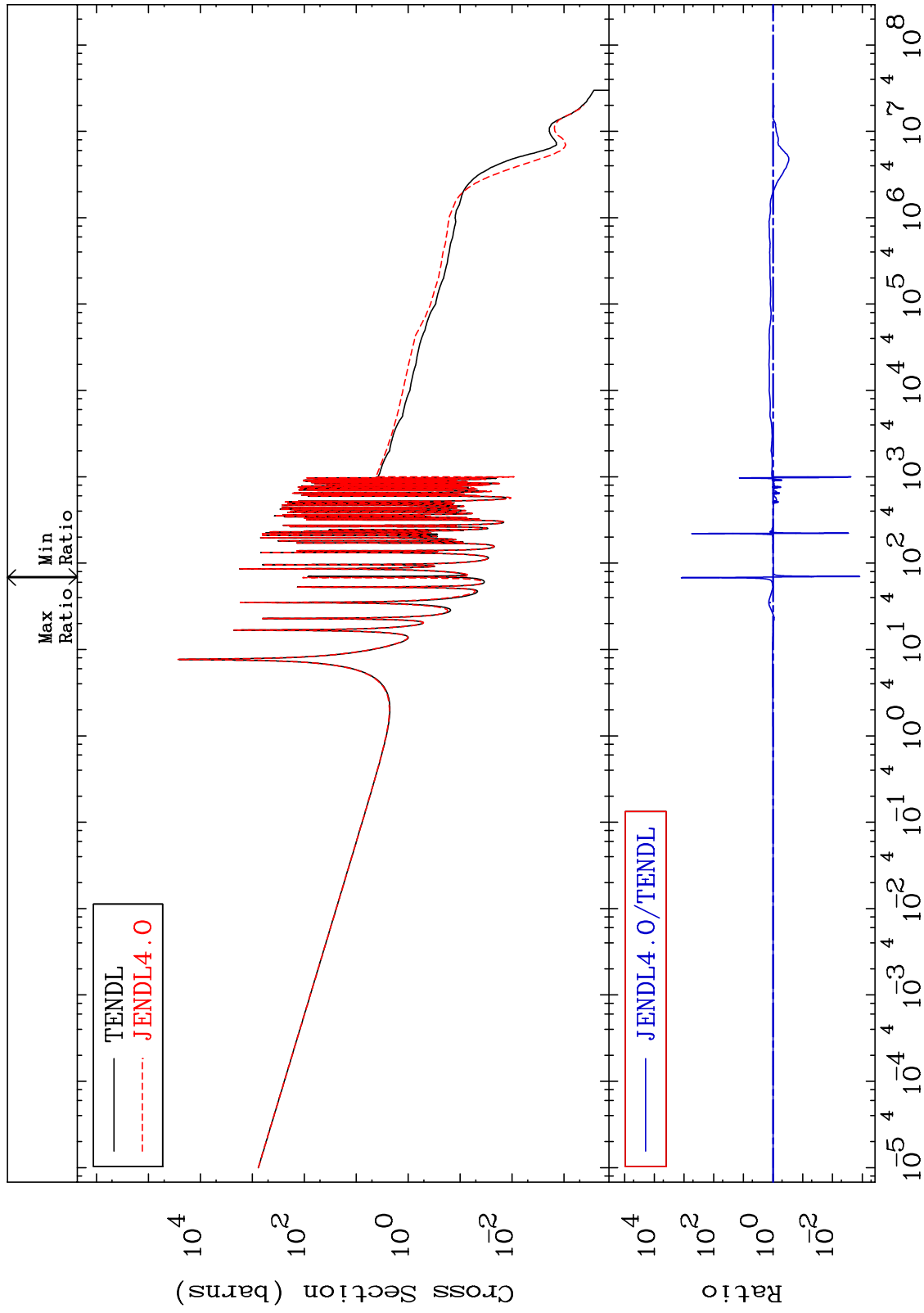
(n,n') Continuum Cross Section  
96-Cm-244  
-3.991 To 80.98 %



MAT 9637

(n,  $\gamma$ )  
Cross Section

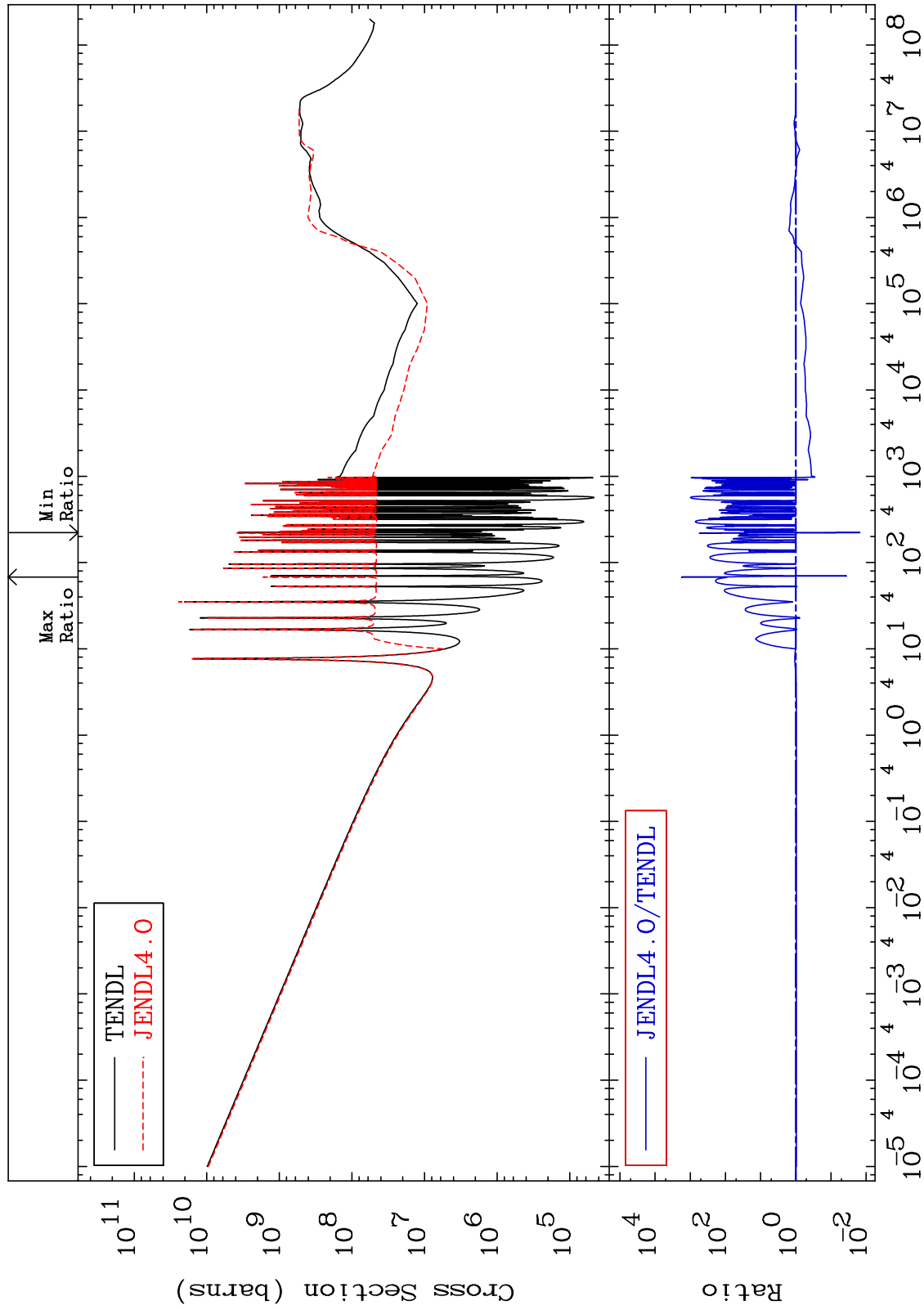
96-Cm-244  
-99.88 To 9999. %



MAT 9637

Kerma total (eV-barns)  
Cross Section

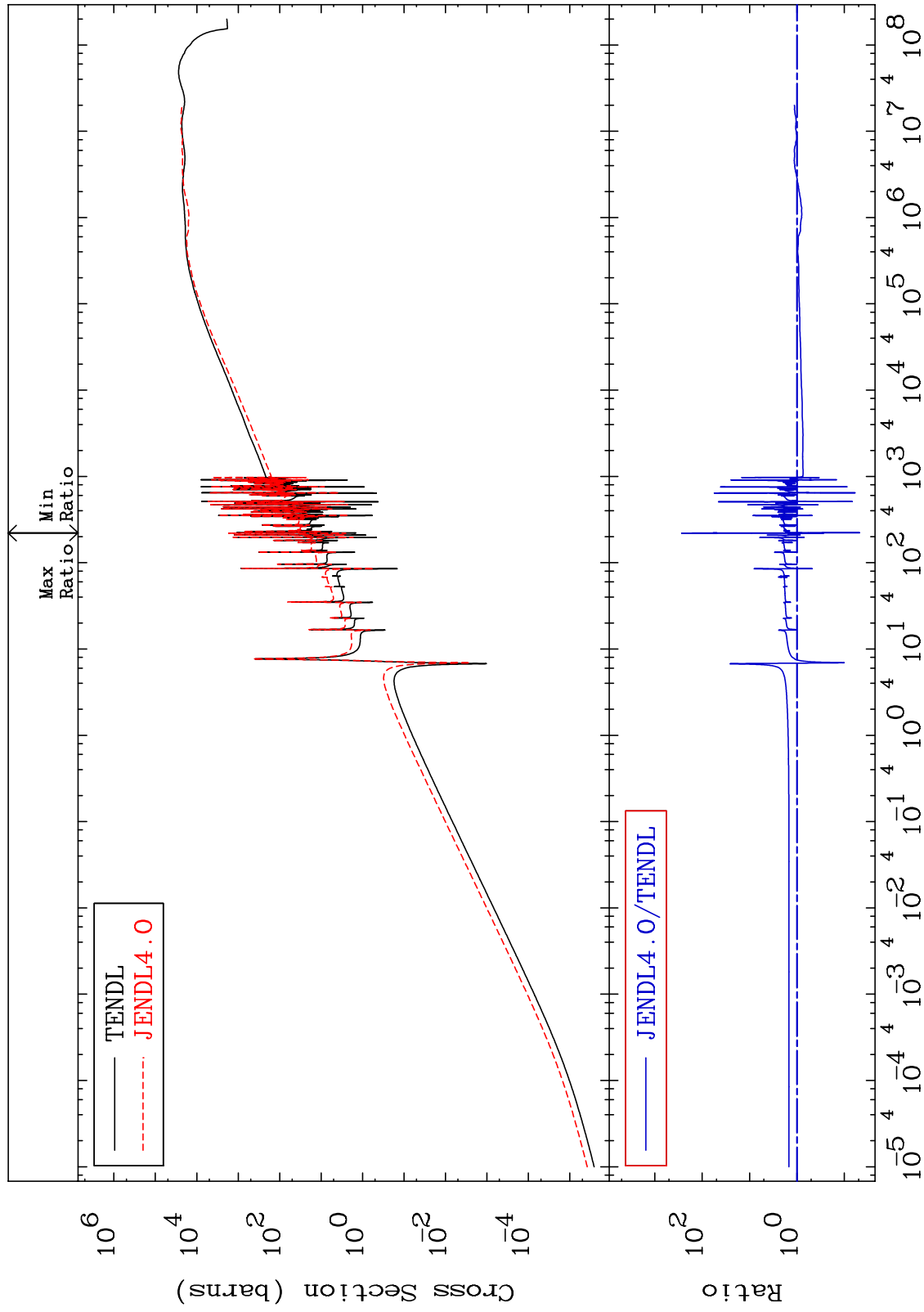
96-Cm-244  
-98.49 To 9999. %



MAT 9637

Kerma elastic  
Cross Section

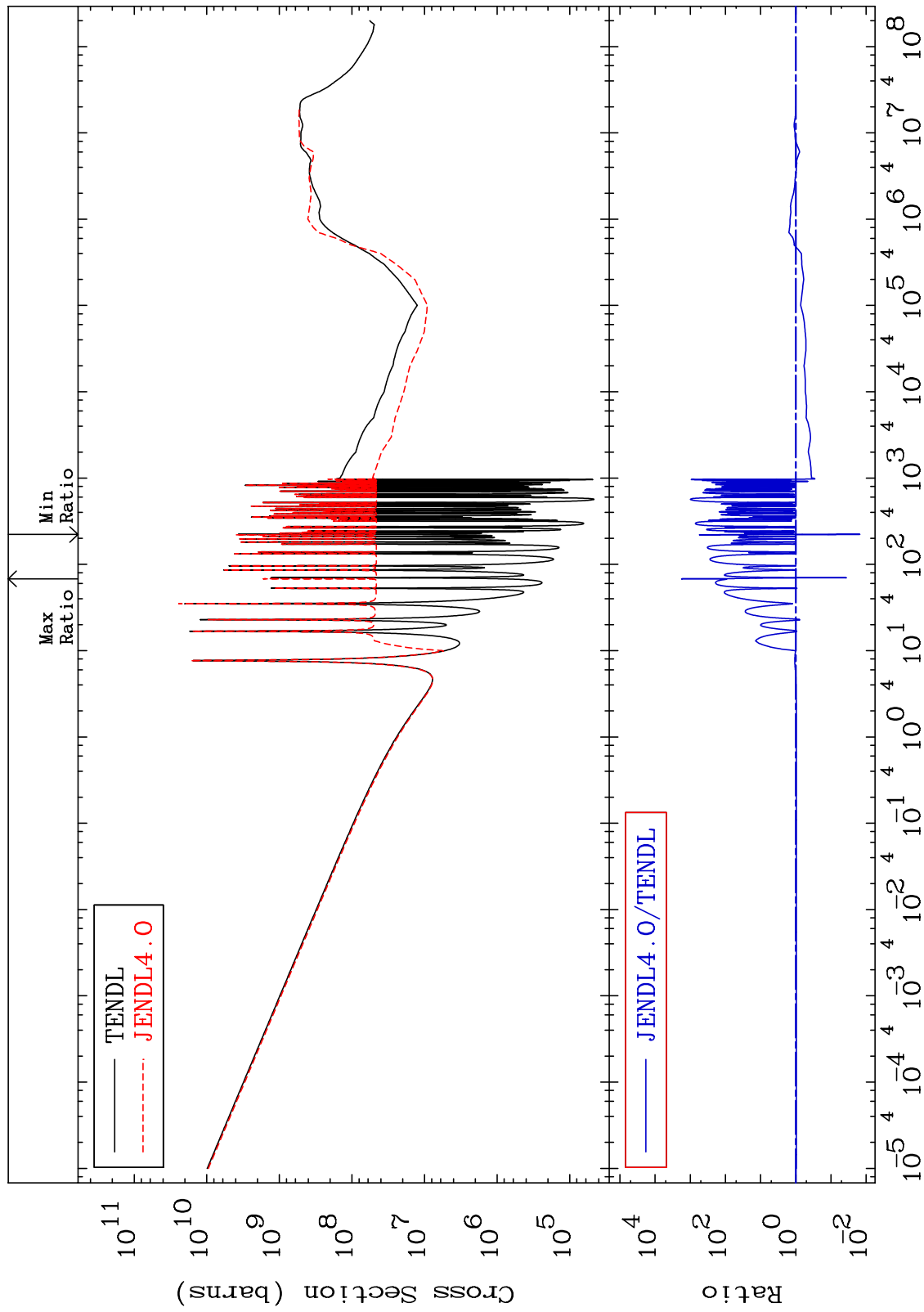
96-Cm-244  
-95.28 To 9999. %



MAT 9637

Kerma non-elastic (all but mt2)  
Cross Section

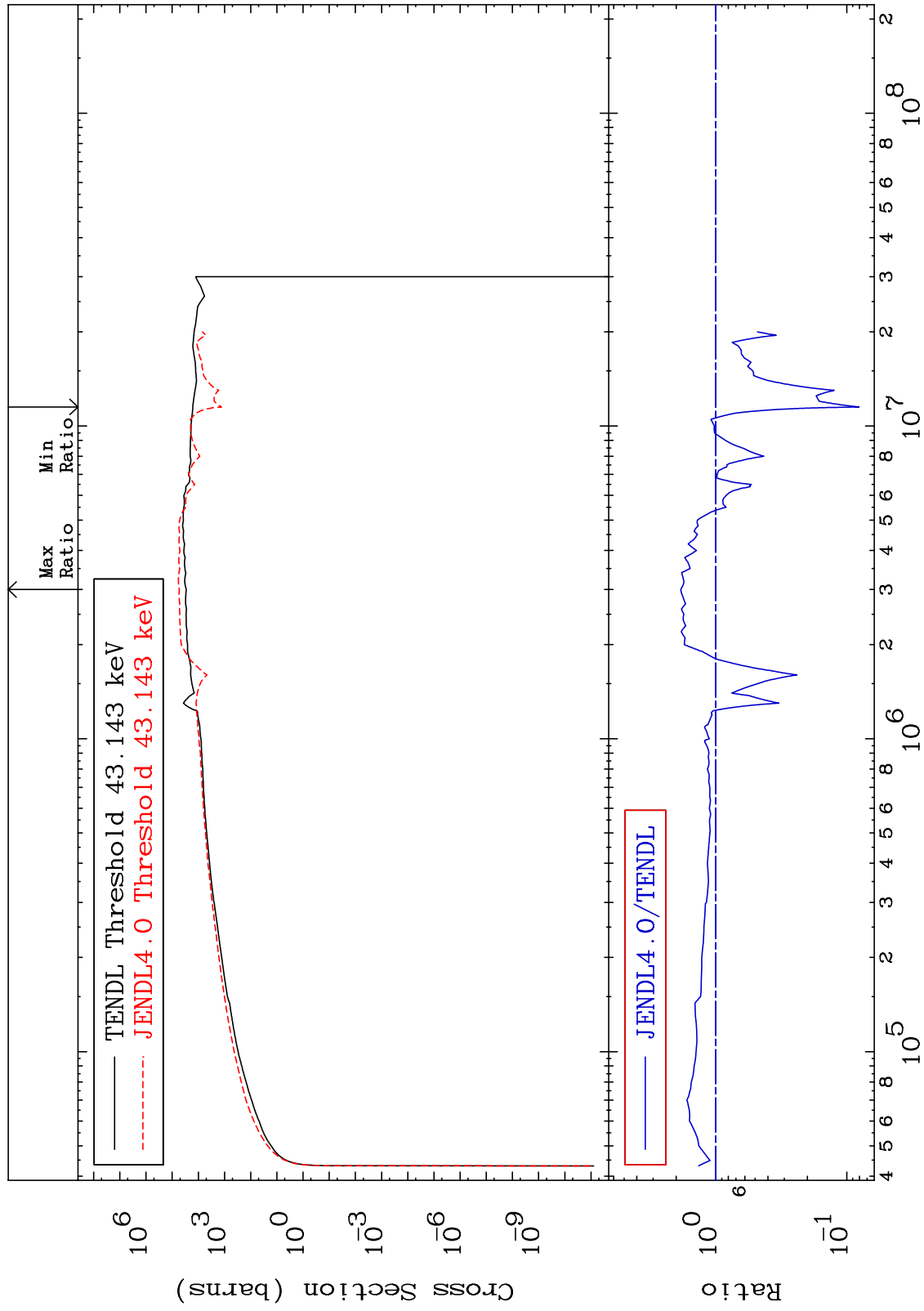
96-Cm-244  
-98.49 To 9999. %



MAT 9637

Kerma inelastic (mt51-91)  
Cross Section

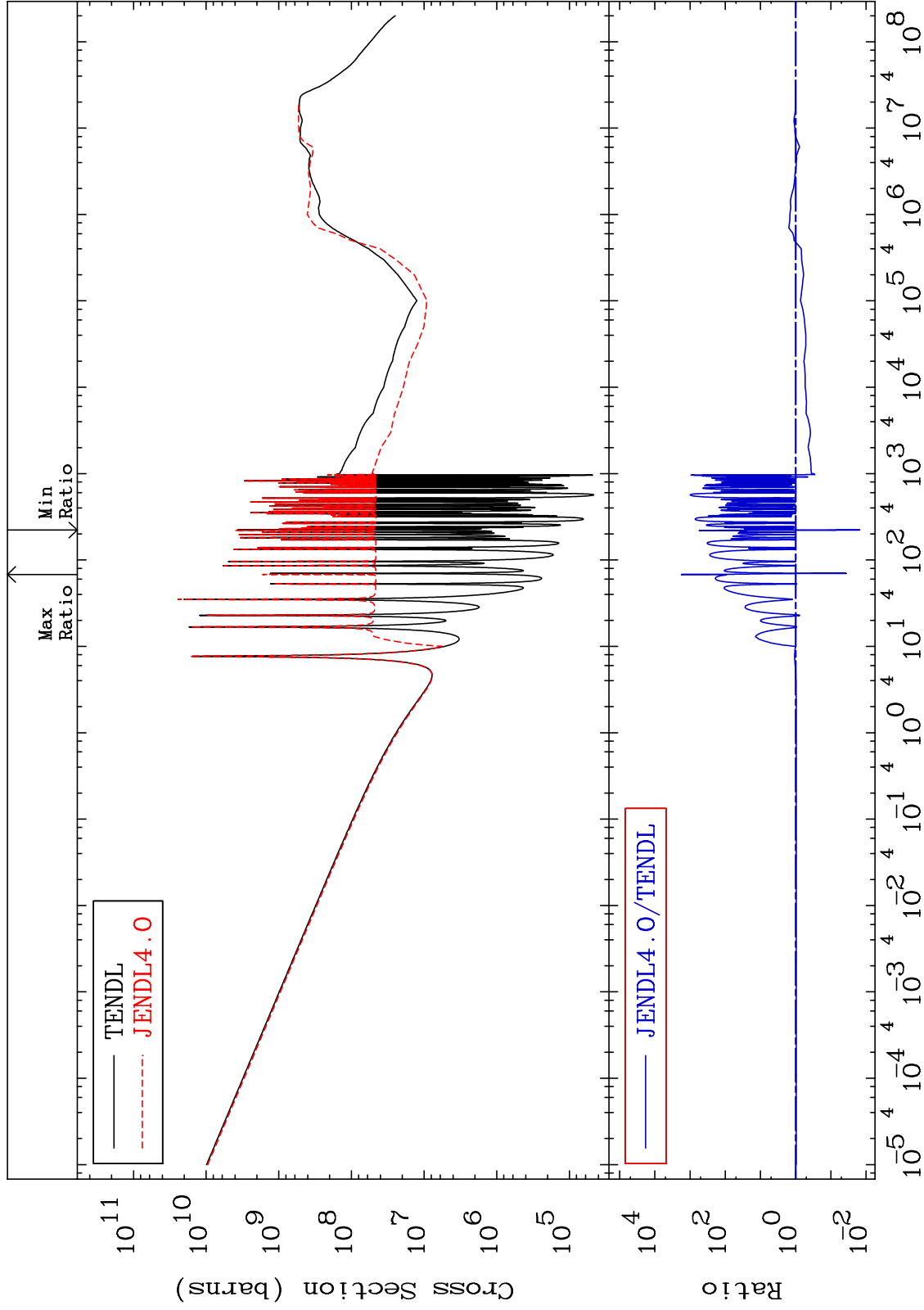
96-Cm-244  
-91.94 To 84.37 %



MAT 9637

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

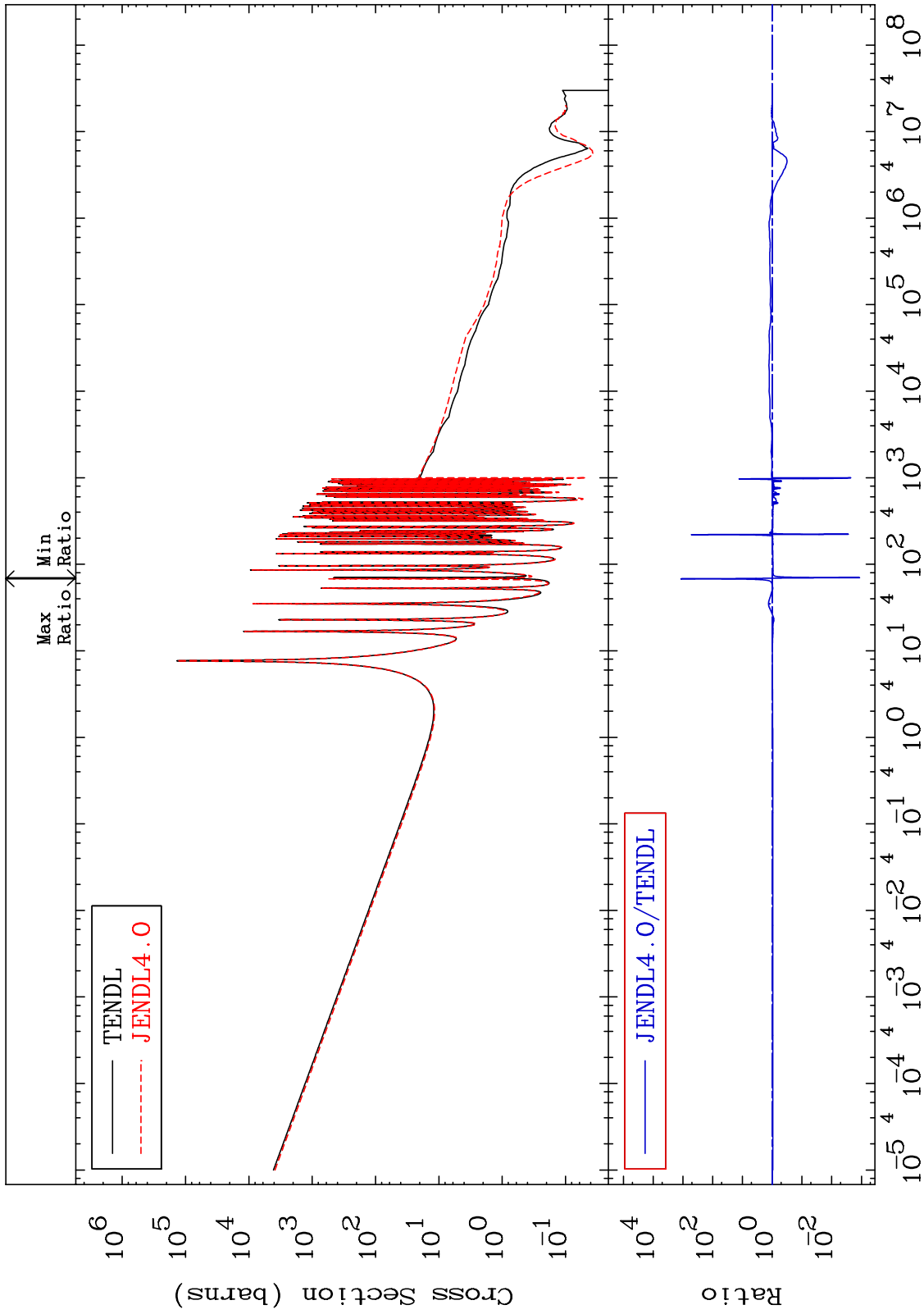
96-Cm-244  
-98.49 To 9999. %



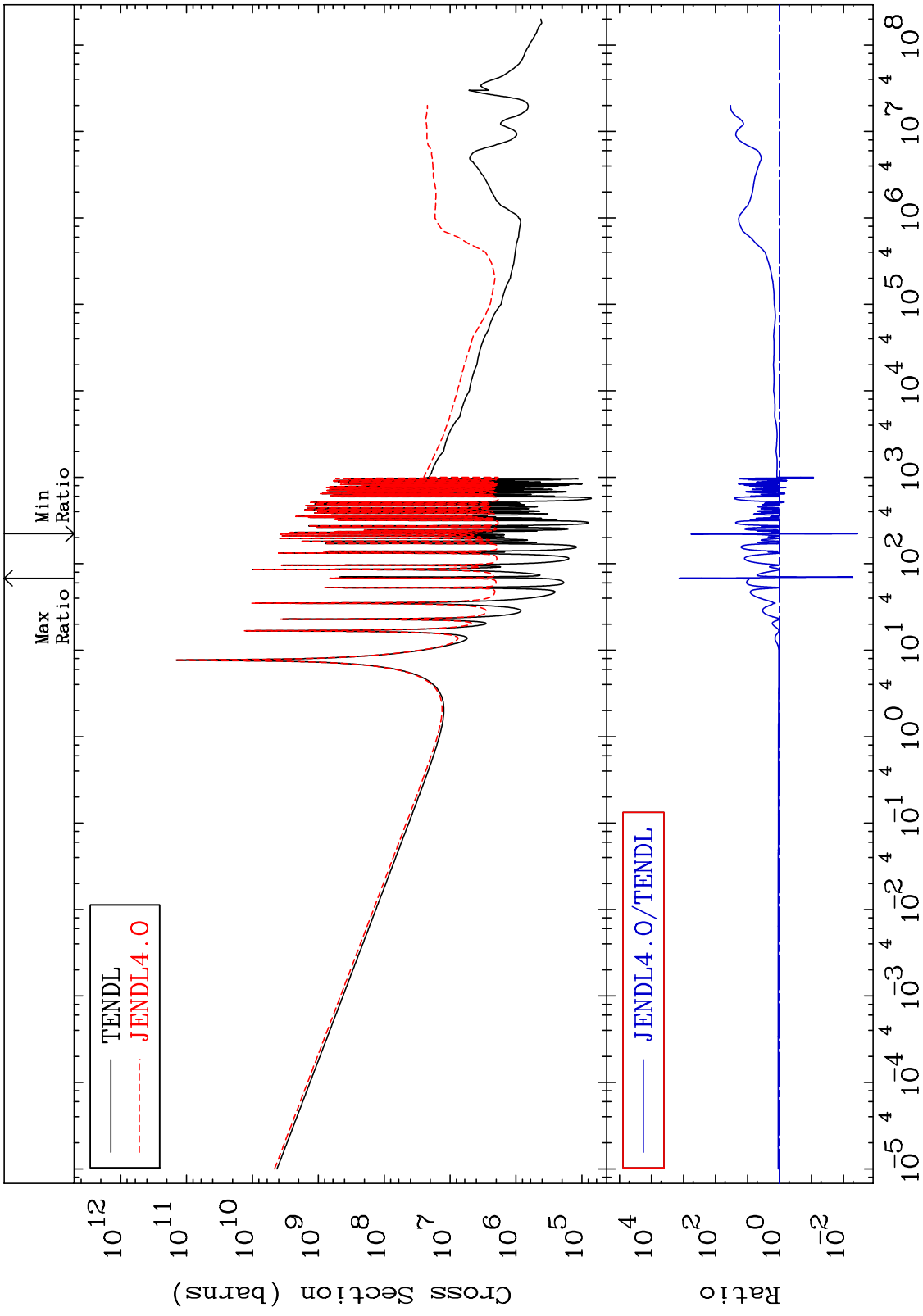
MAT 9637

Kerma capture (mt102)  
Cross Section

96-Cm-244  
-99.88 To 9999. %



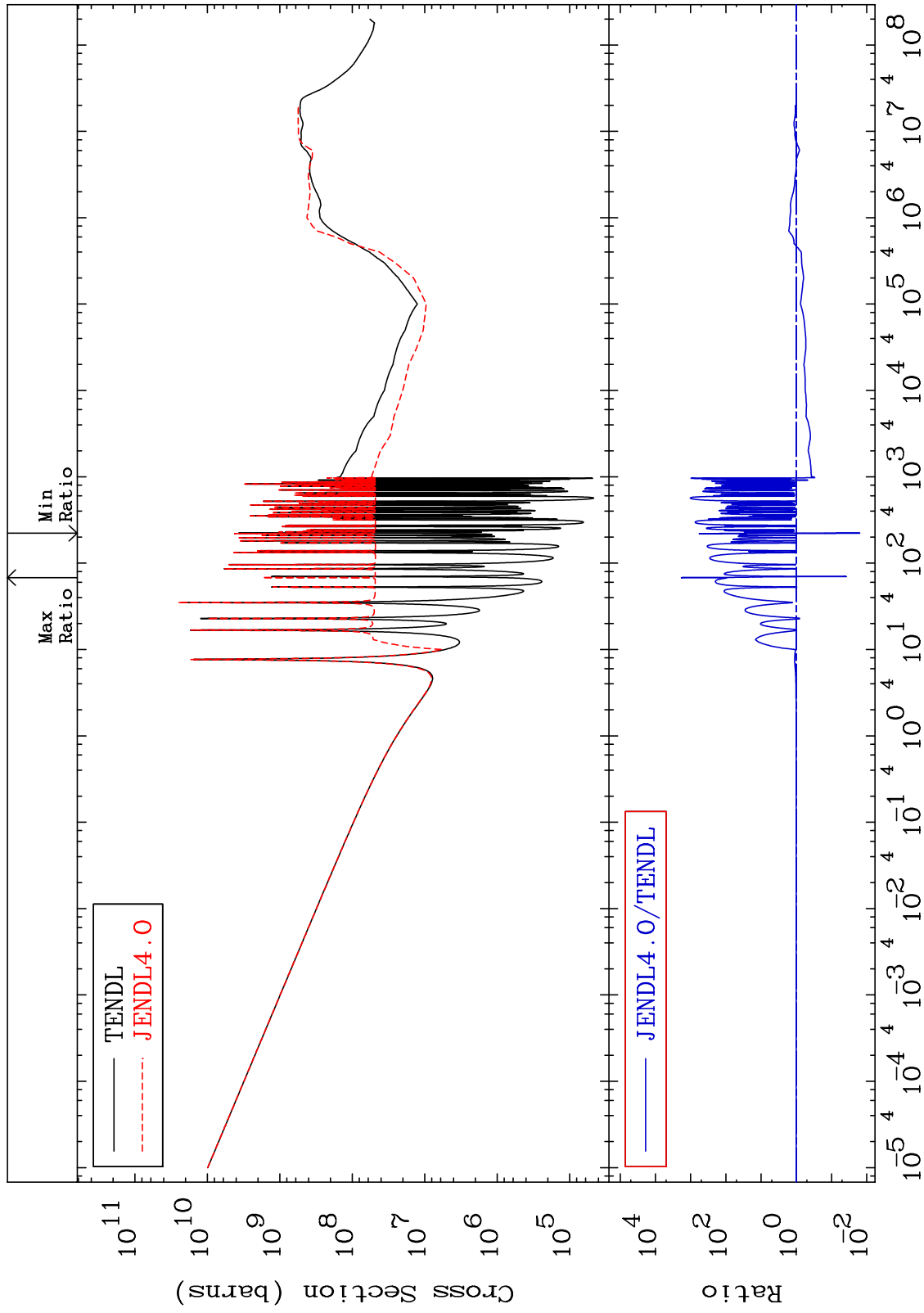
MAT 9637 96-Cm-244  
 Total photon (eV-barns) -99.64 To 9999. %  
 Cross Section



MAT 9637

Total kinematic kerma (high limit)  
Cross Section

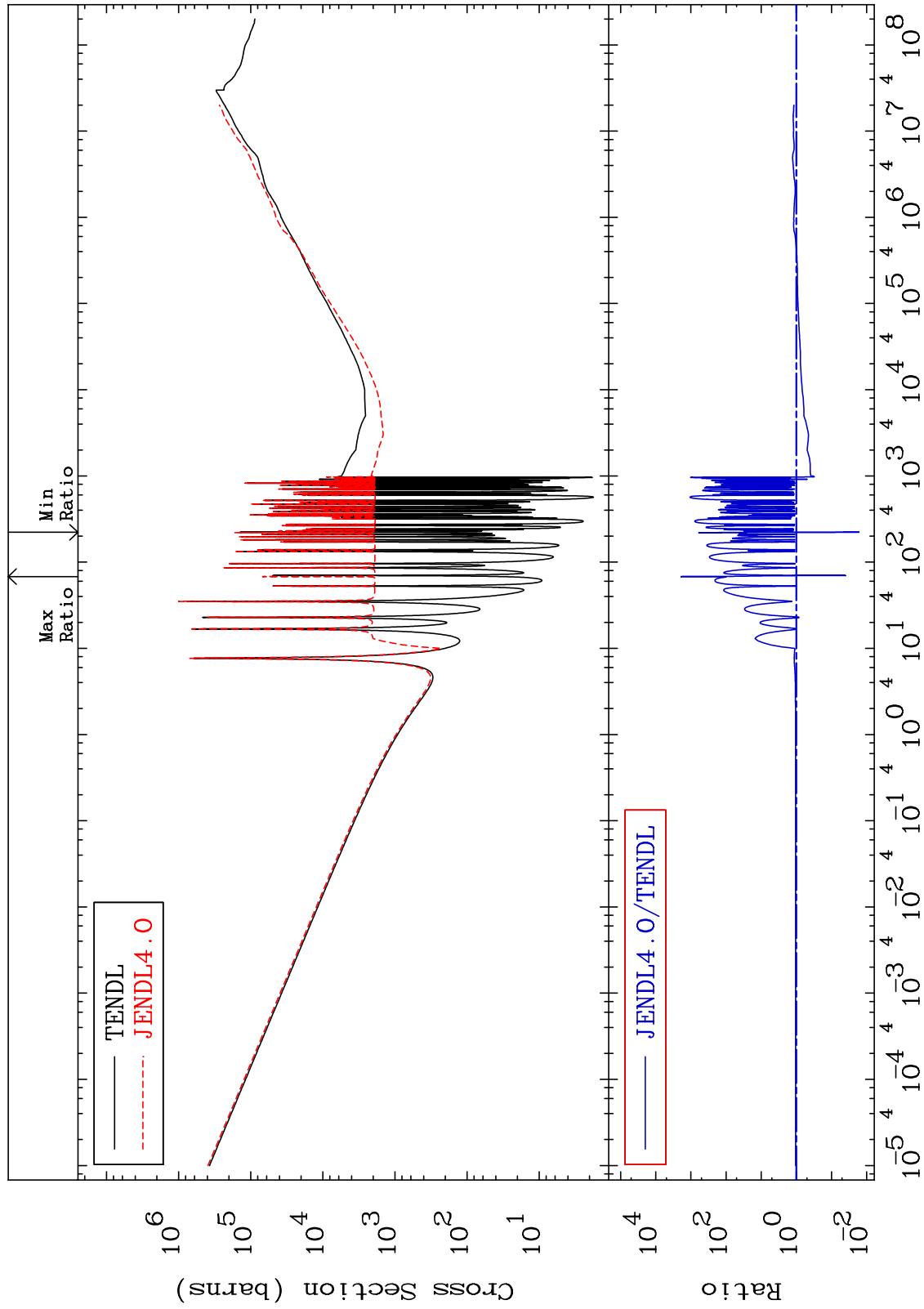
96-Cm-244  
-98.43 To 9999. %



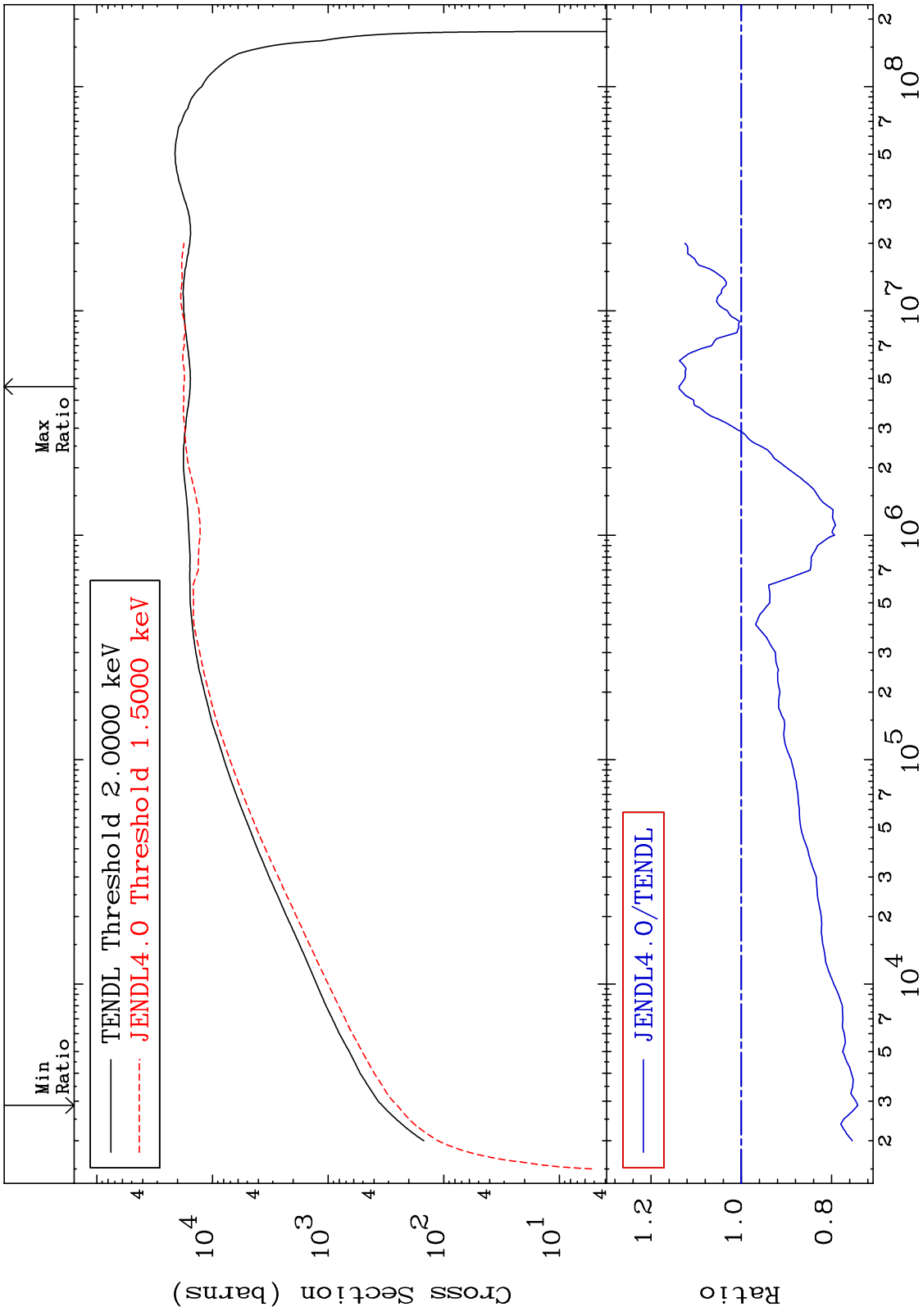
MAT 9637

Dpa total (eV-barns)  
Cross Section

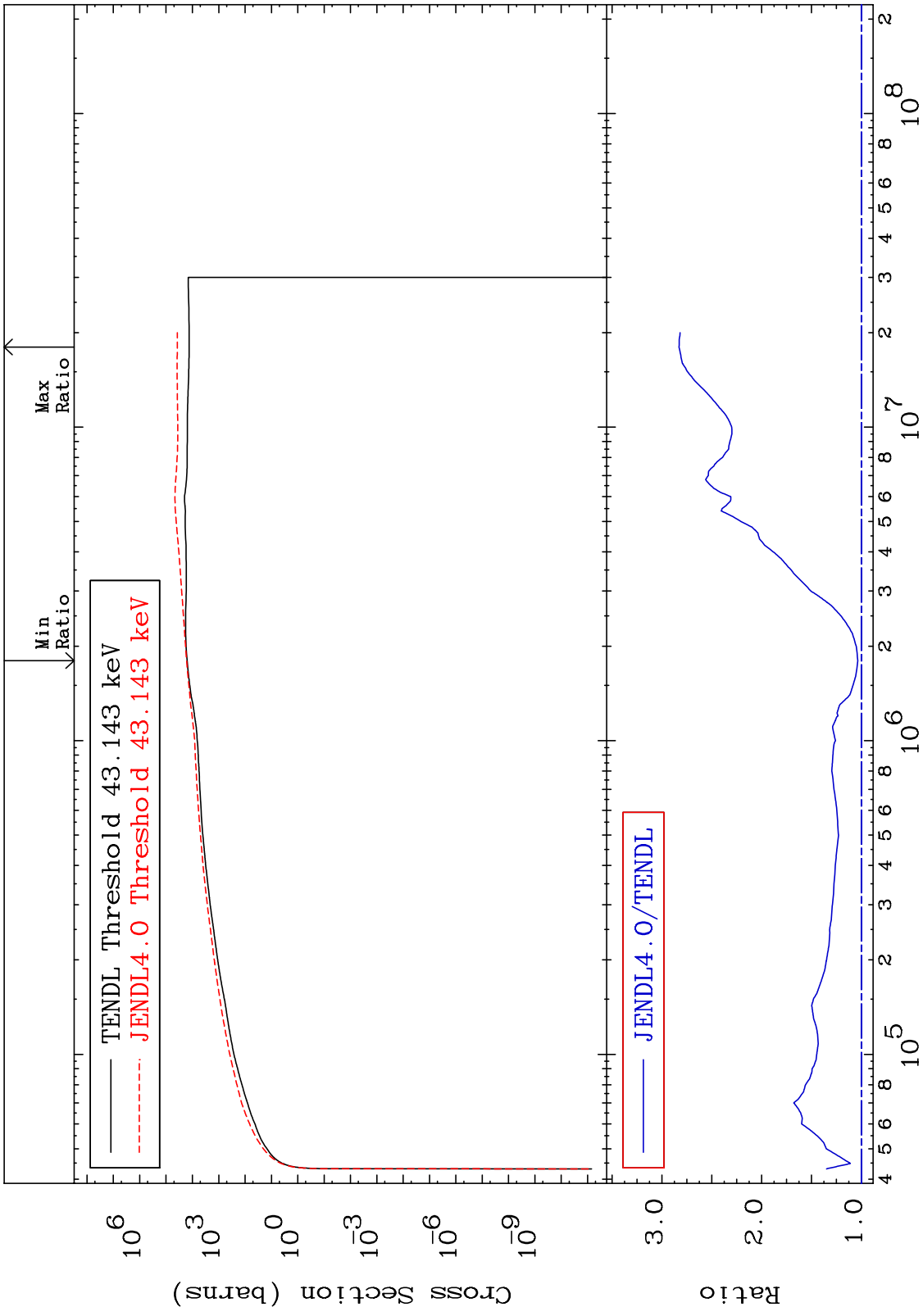
96-Cm-244  
-98.36 To 9999. %



MAT 9637 Dpa elastic (mt2) Cross Section 96-Cm-244 -25.80 To 13.80 %



MAT 9637      Dpa inelastic (mt51-91)      96-Cm-244  
 Cross Section      3.575 To 182.9 %



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

