

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

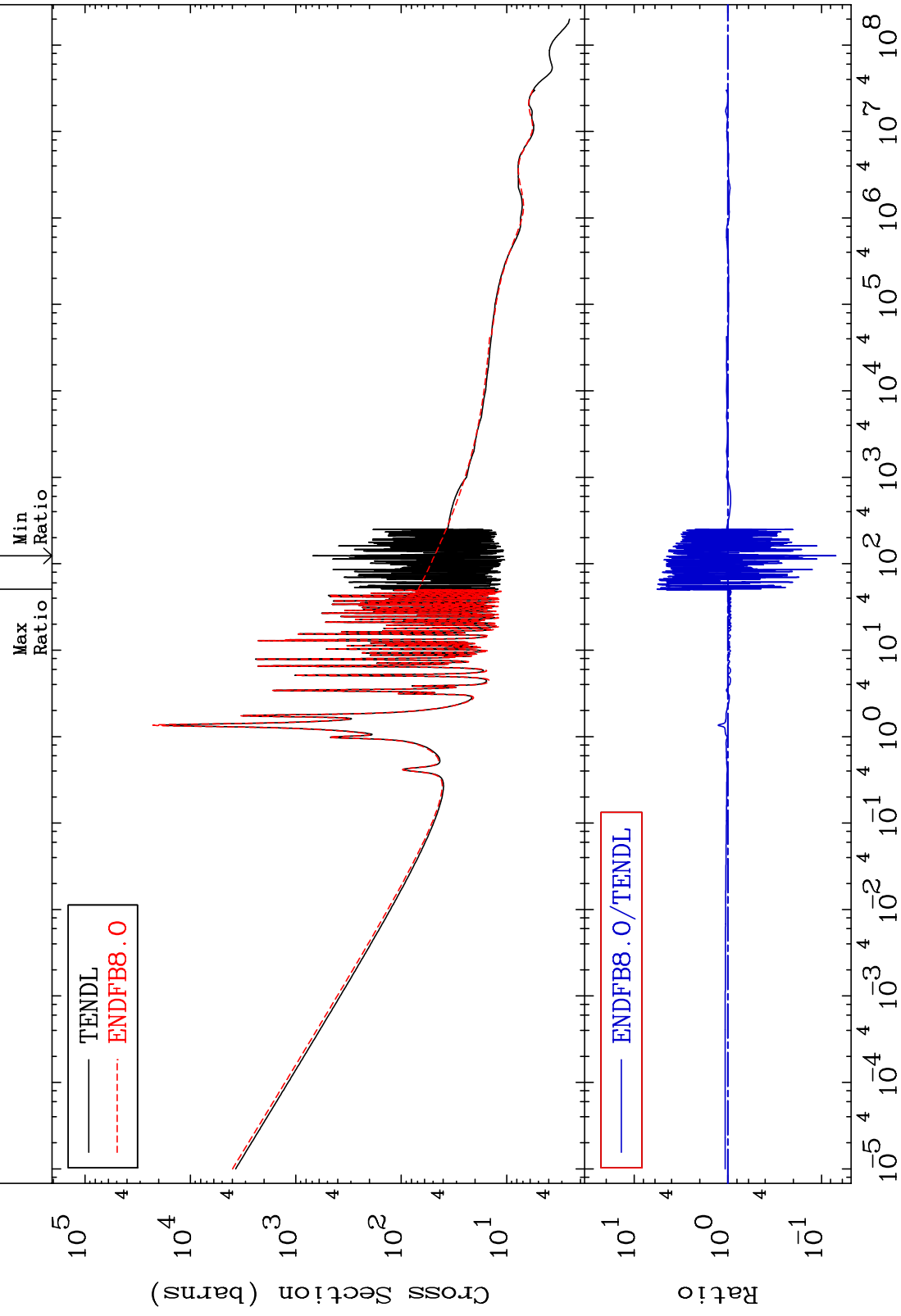
Tele: 925-443-1911

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 9549 95-Am-243 -92.98 To 471.8 %

Total Cross Section

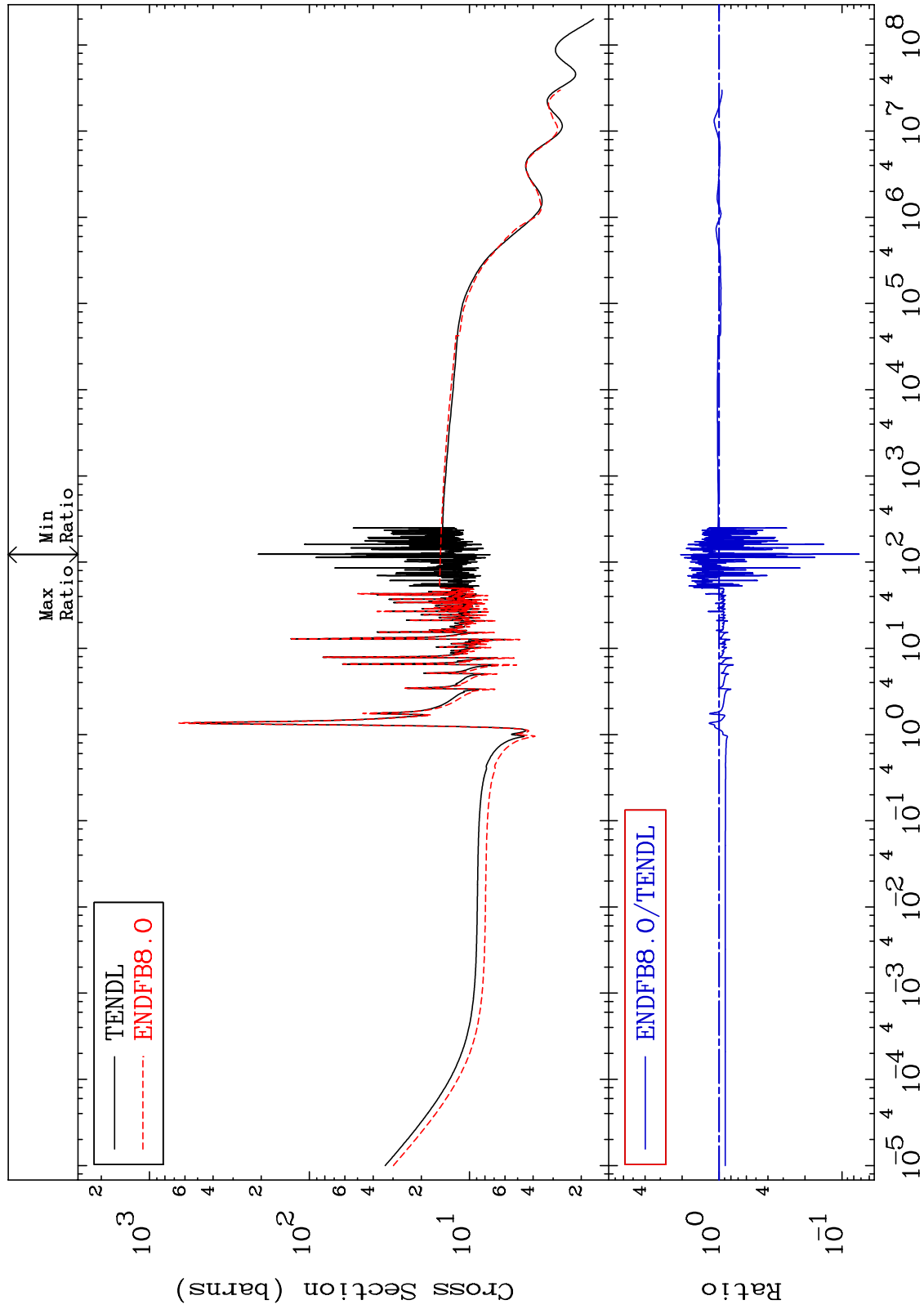


1 Incident Energy (eV) 95-Am-243

MAT 9549

Elastic  
Cross Section

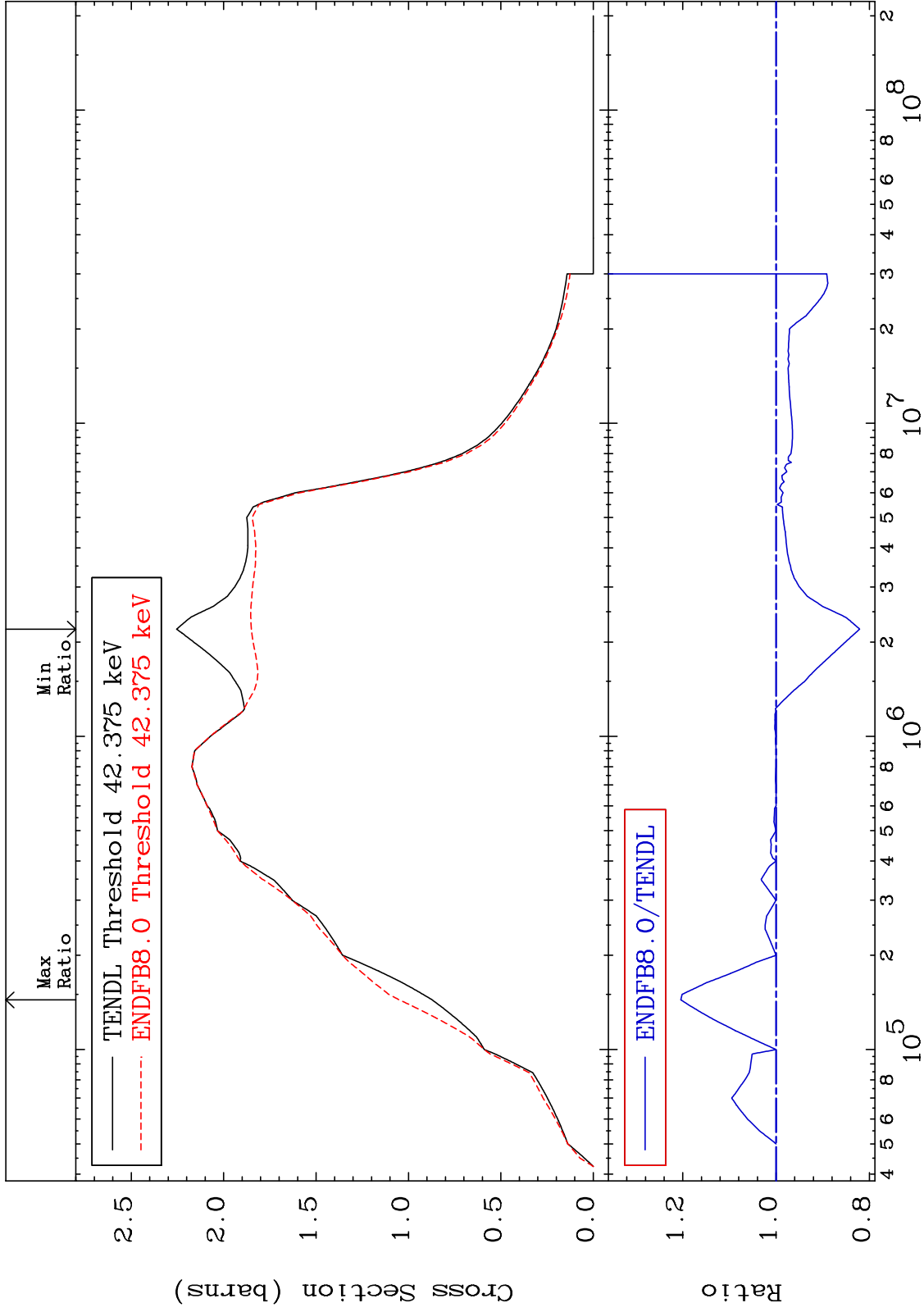
95-Am-243  
-92.75 To 104.5 %



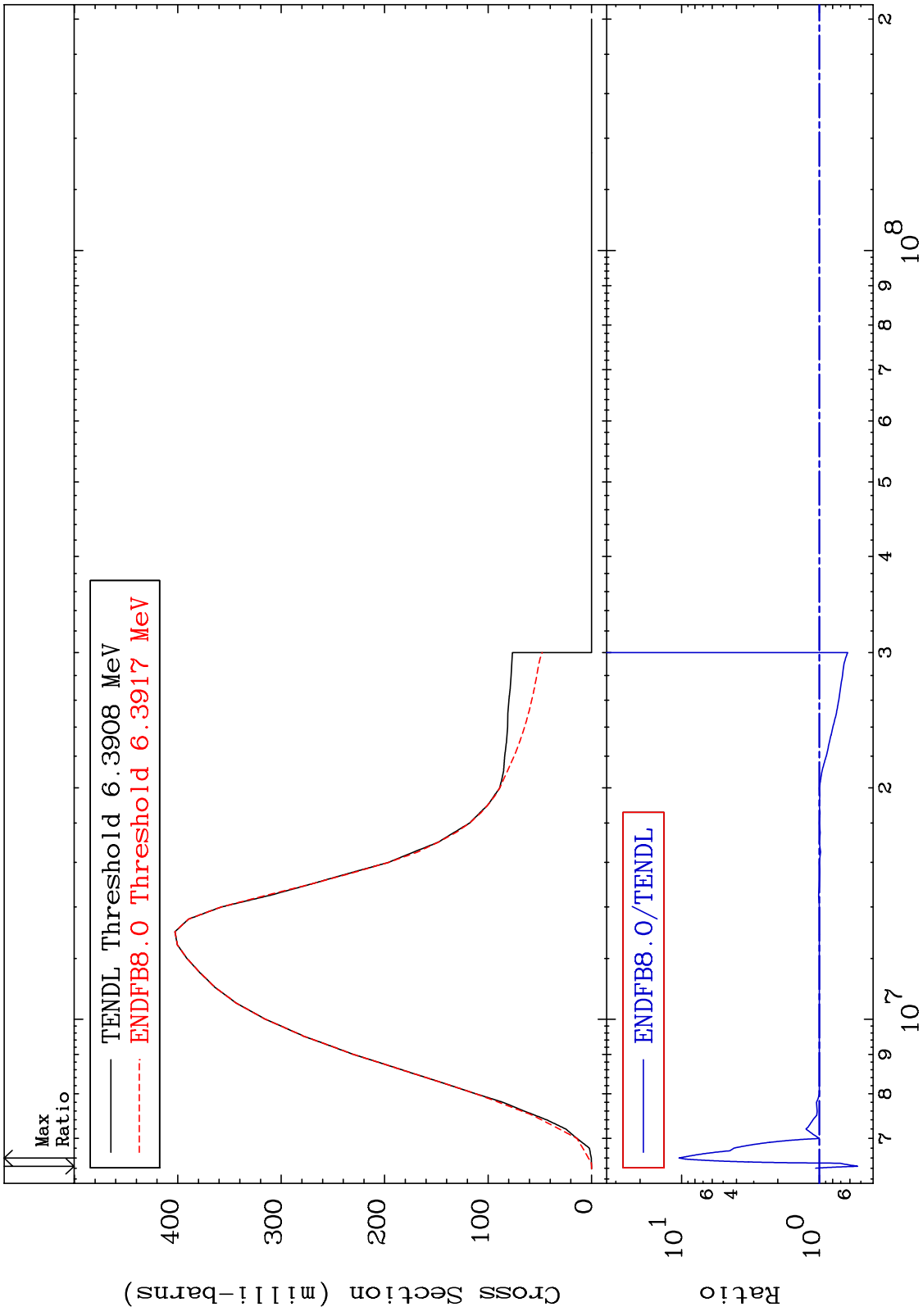
MAT 9549

Inelastic  
Cross Section

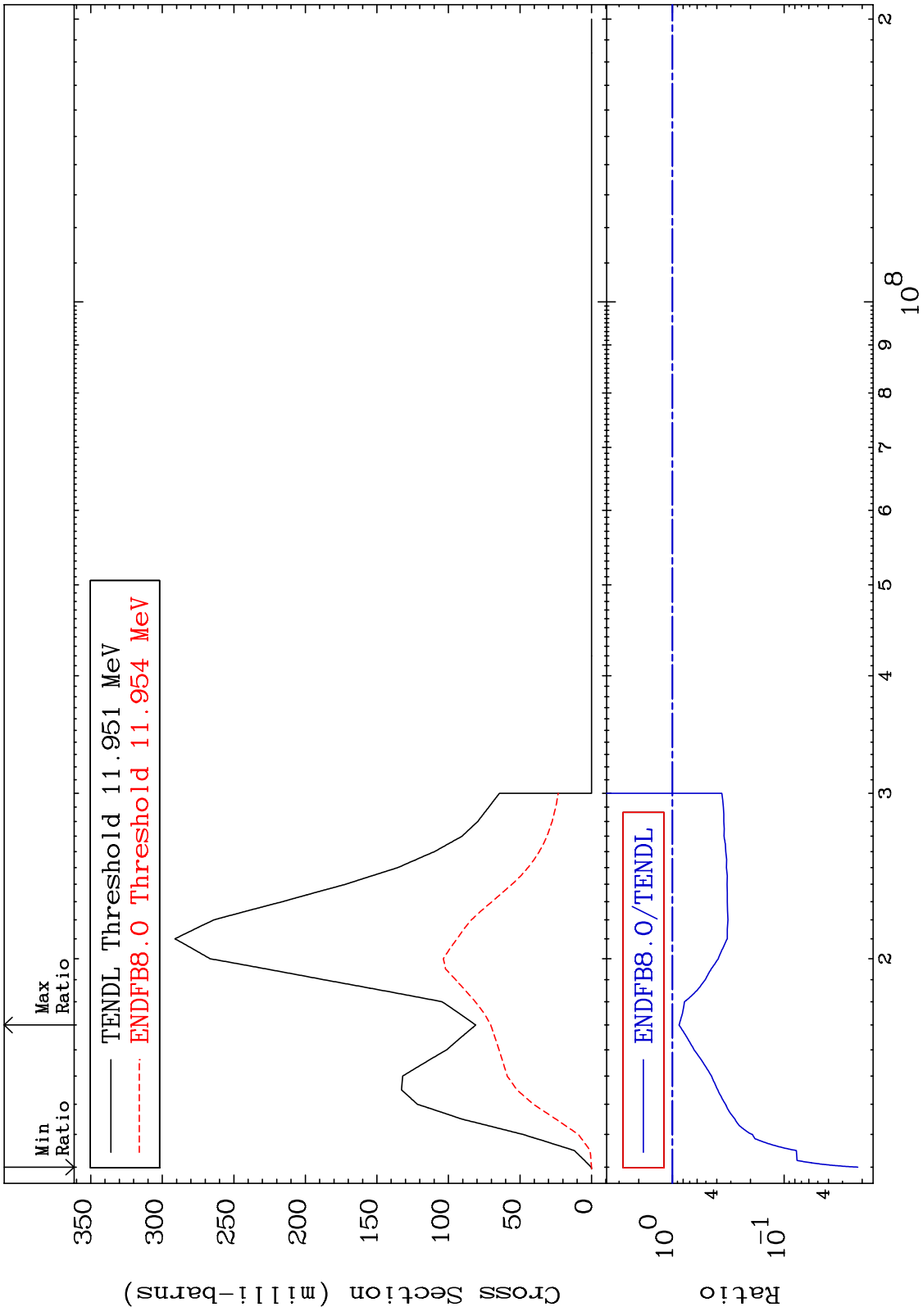
95-Am-243  
-17.91 To 20.42 %



MAT 9549 (n,2n) Cross Section 95-Am-243 -47.44 To 943.7 %



MAT 9549 (n,3n) 95-Am-243  
 Cross Section -97.81 To -12.93%



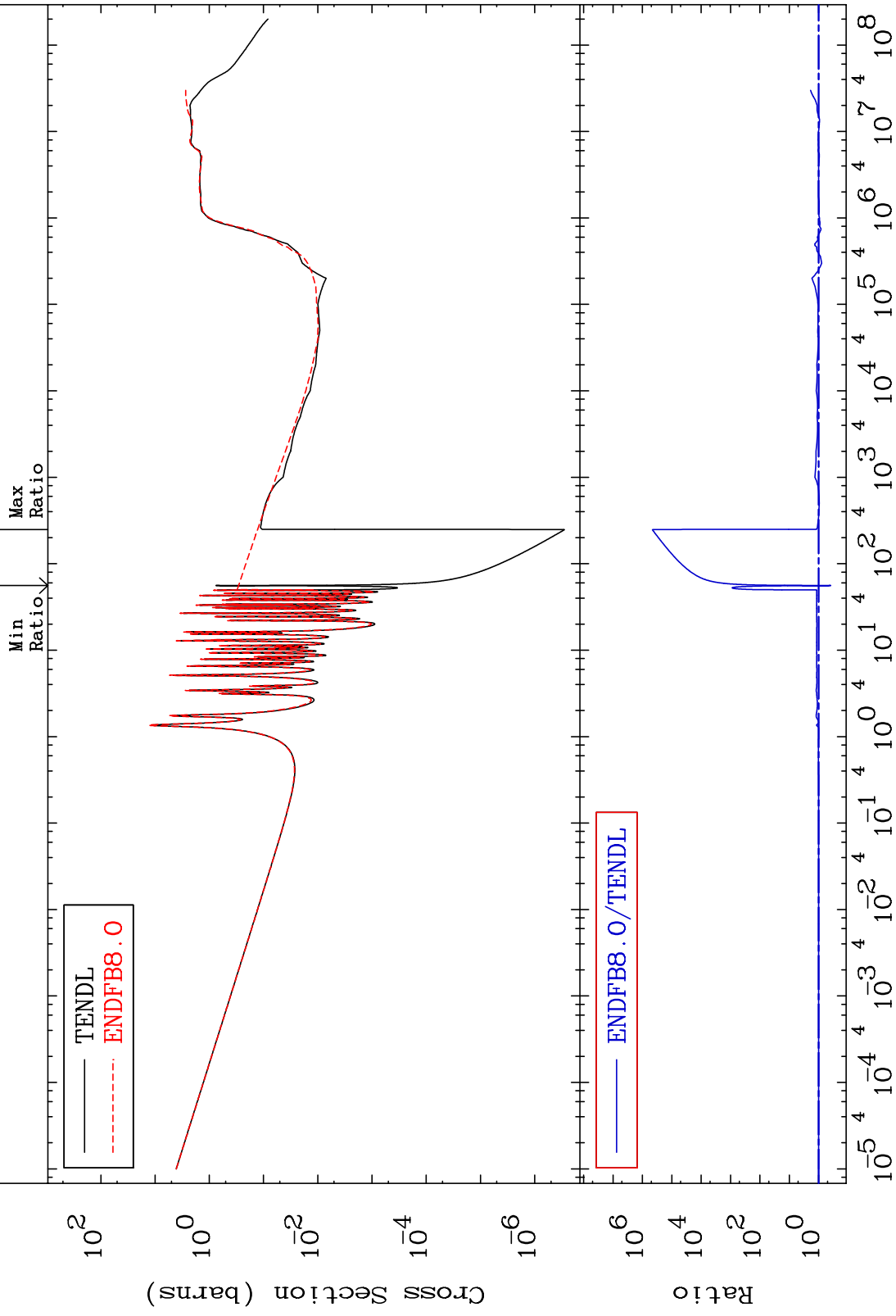
MAT 9549

Fission

95-Am-243

-61.55 To 9999. %

Cross Section



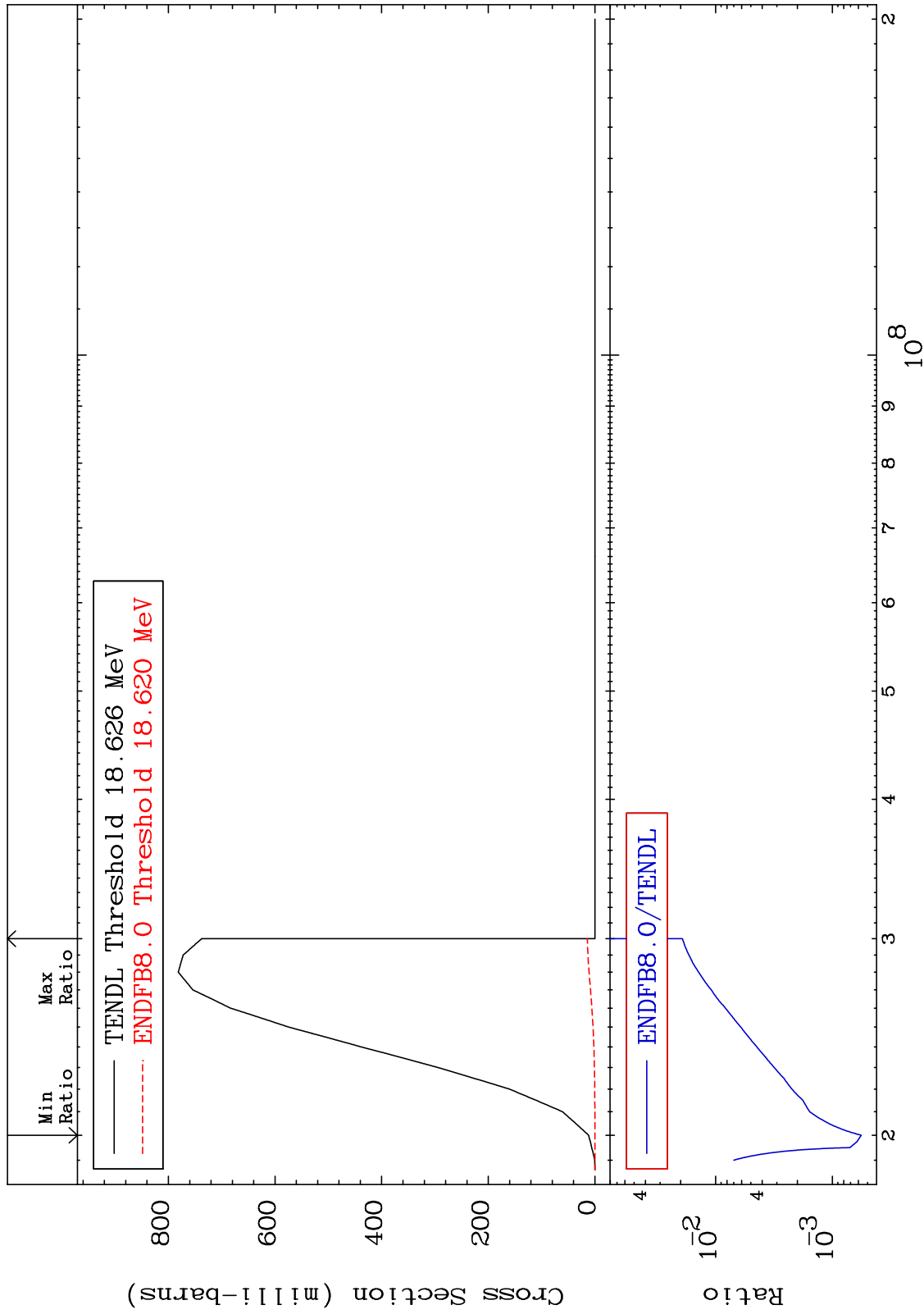
MAT 9549

(n,4n)

95-Am-243

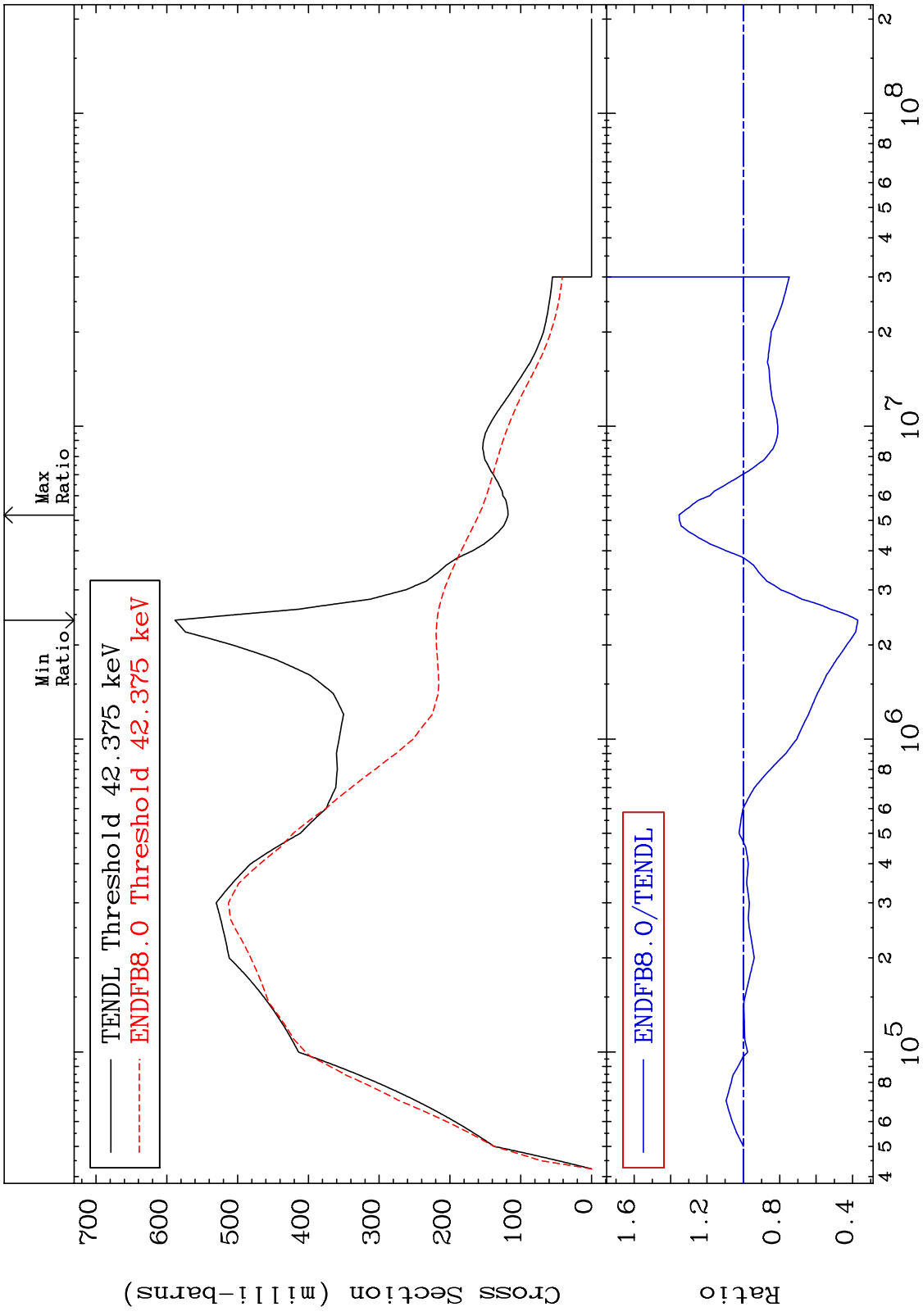
Cross Section

-99.94 To -98.07%

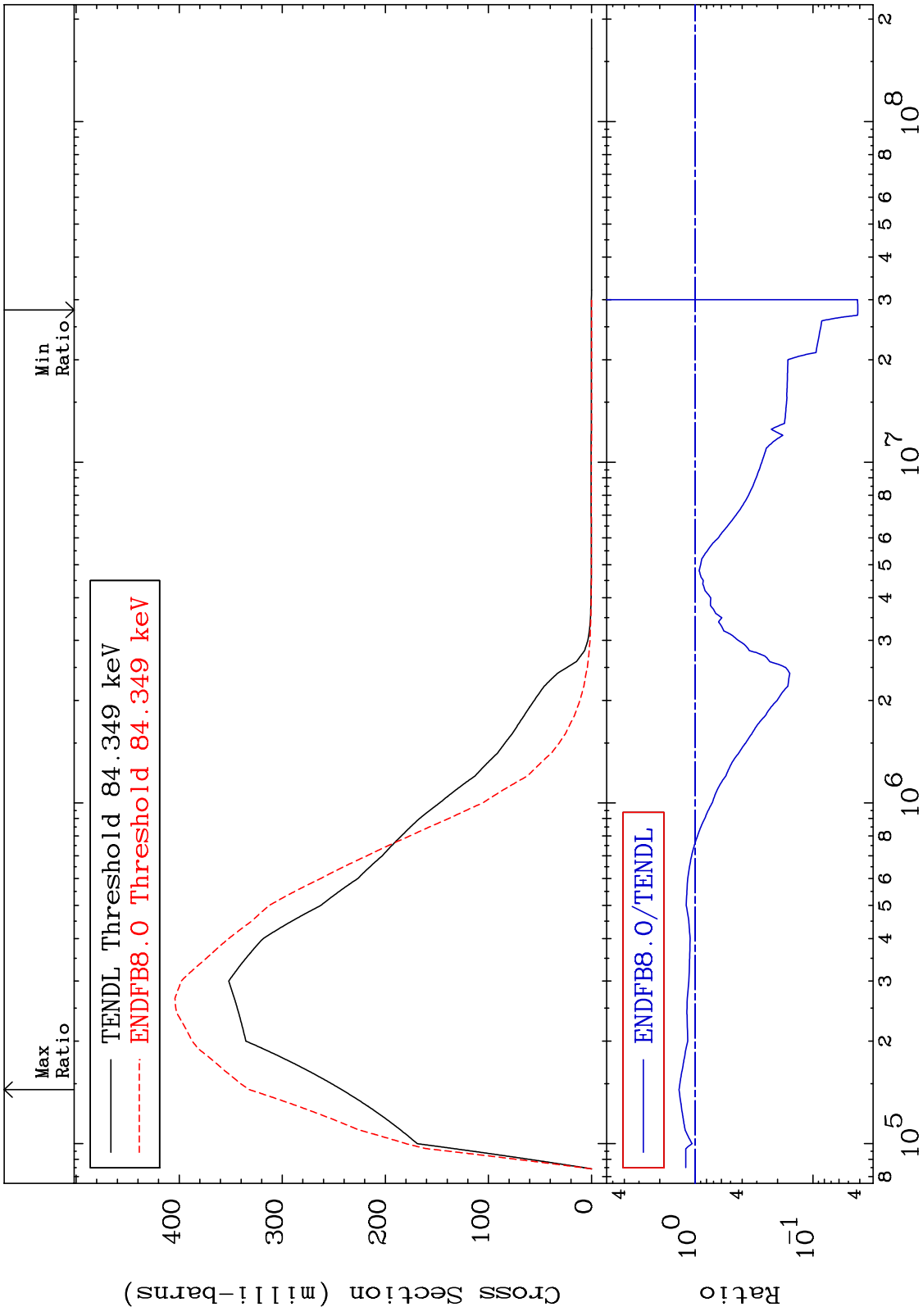




MAT 9549      MT= 51 (n,n') Level Cross Section      95-Am-243  
 -62.94 To 35.36 %

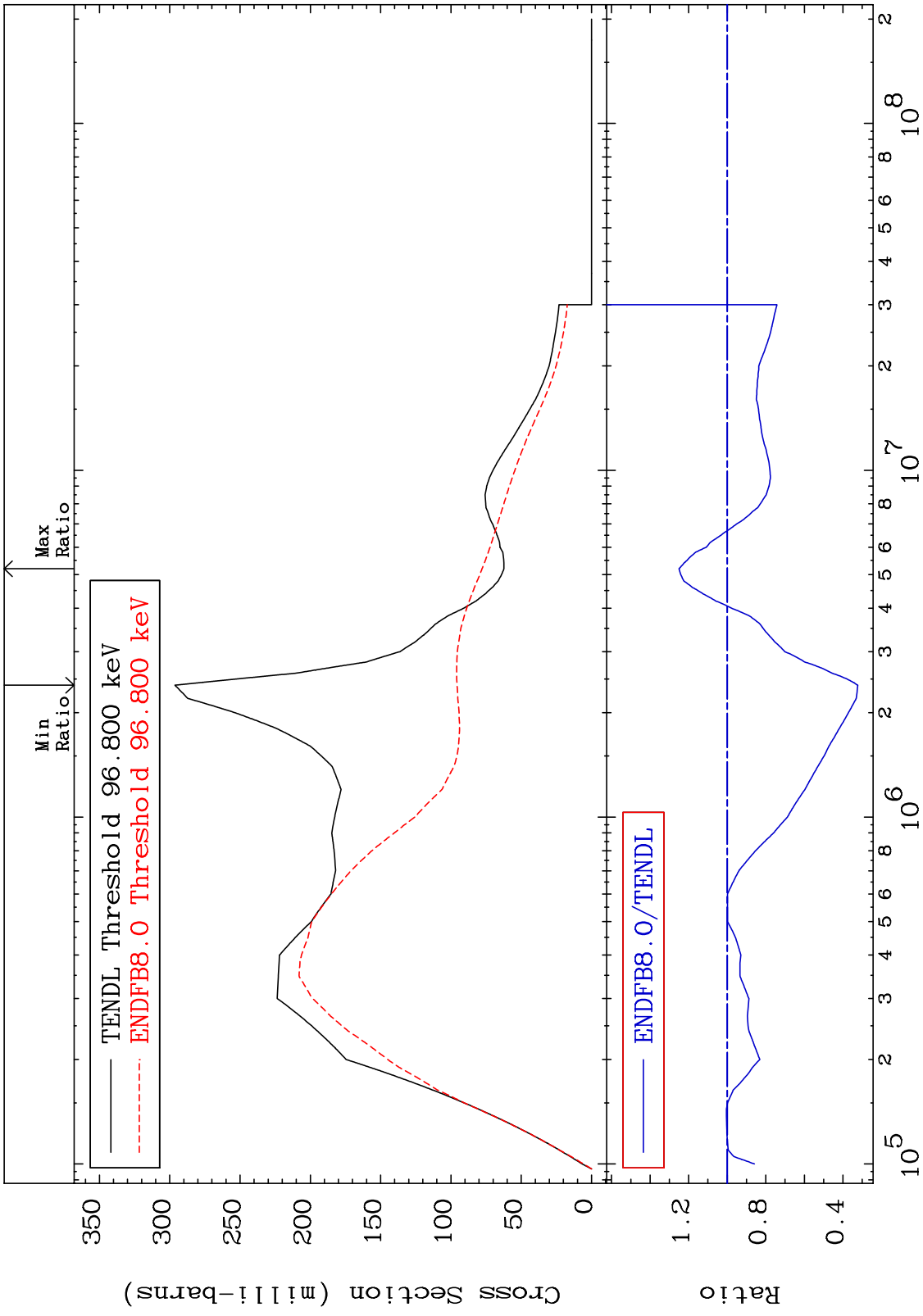


MAT 9549      MT= 52 (n,n') Level Cross Section      95-Am-243  
-95.84 To 37.05 %



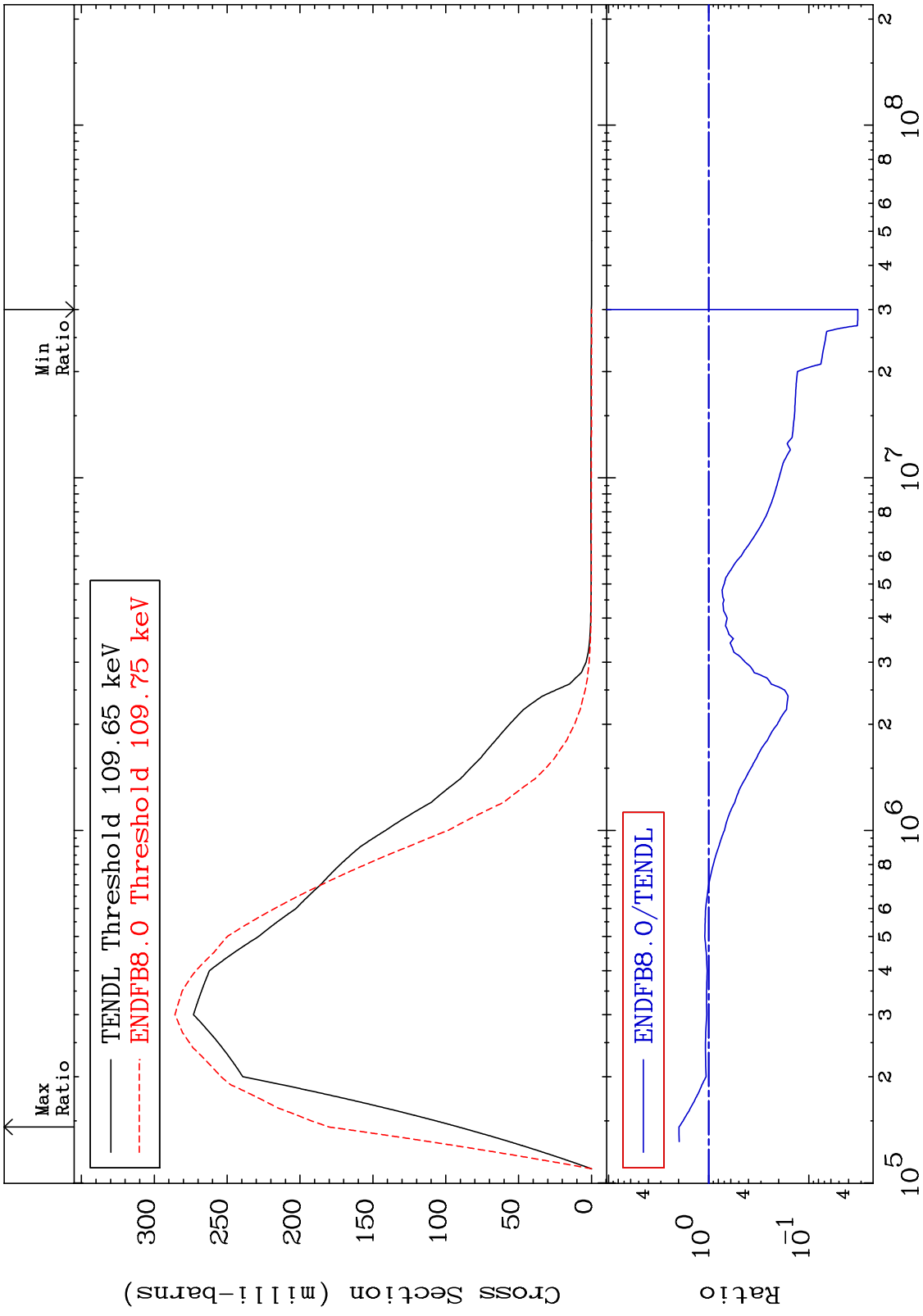
9      Incident Energy (eV)      95-Am-243

MAT 9549 MT= 53 (n,n') Level Cross Section 95-Am-243  
 -67.74 To 24.98 %

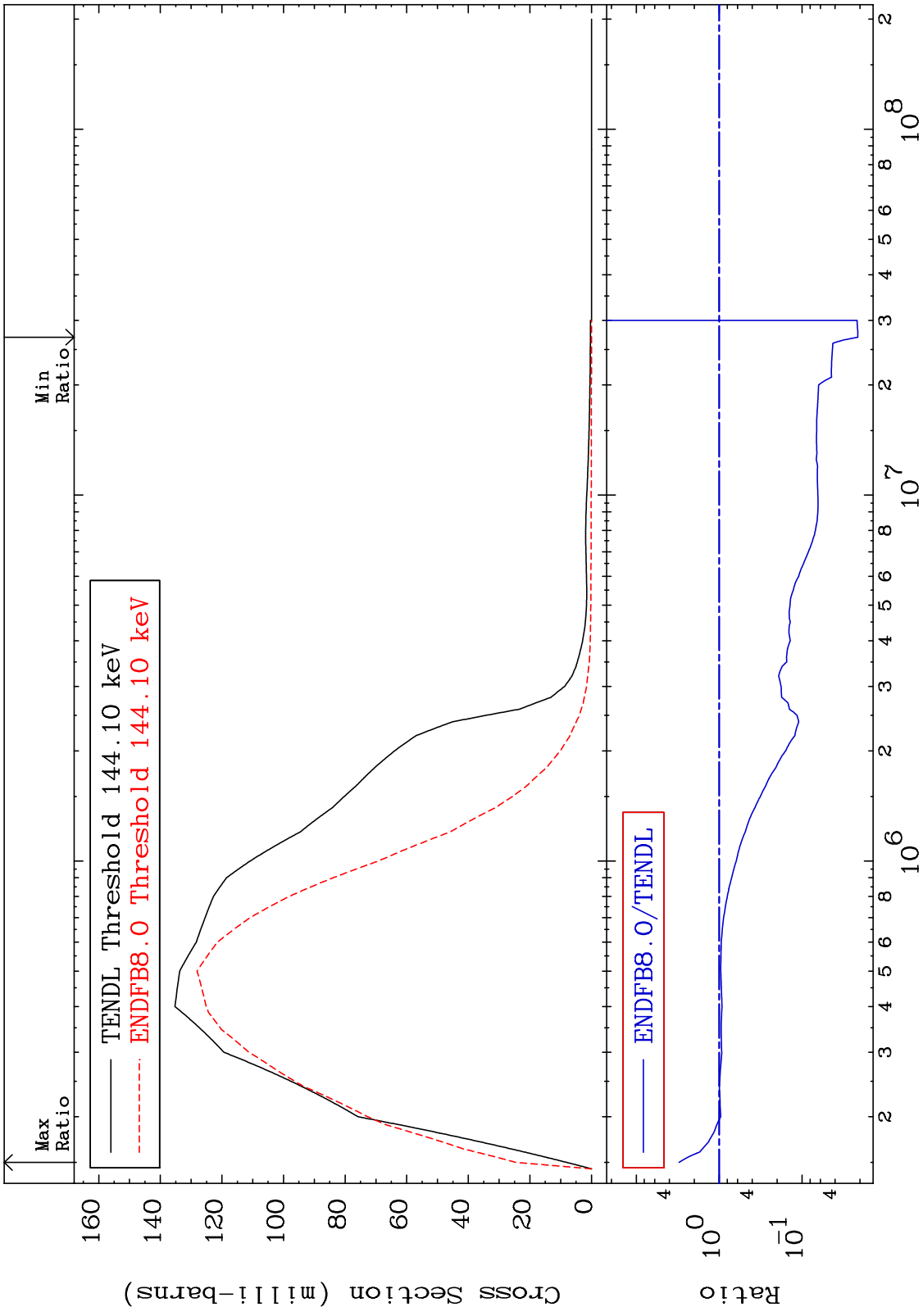


95-Am-243

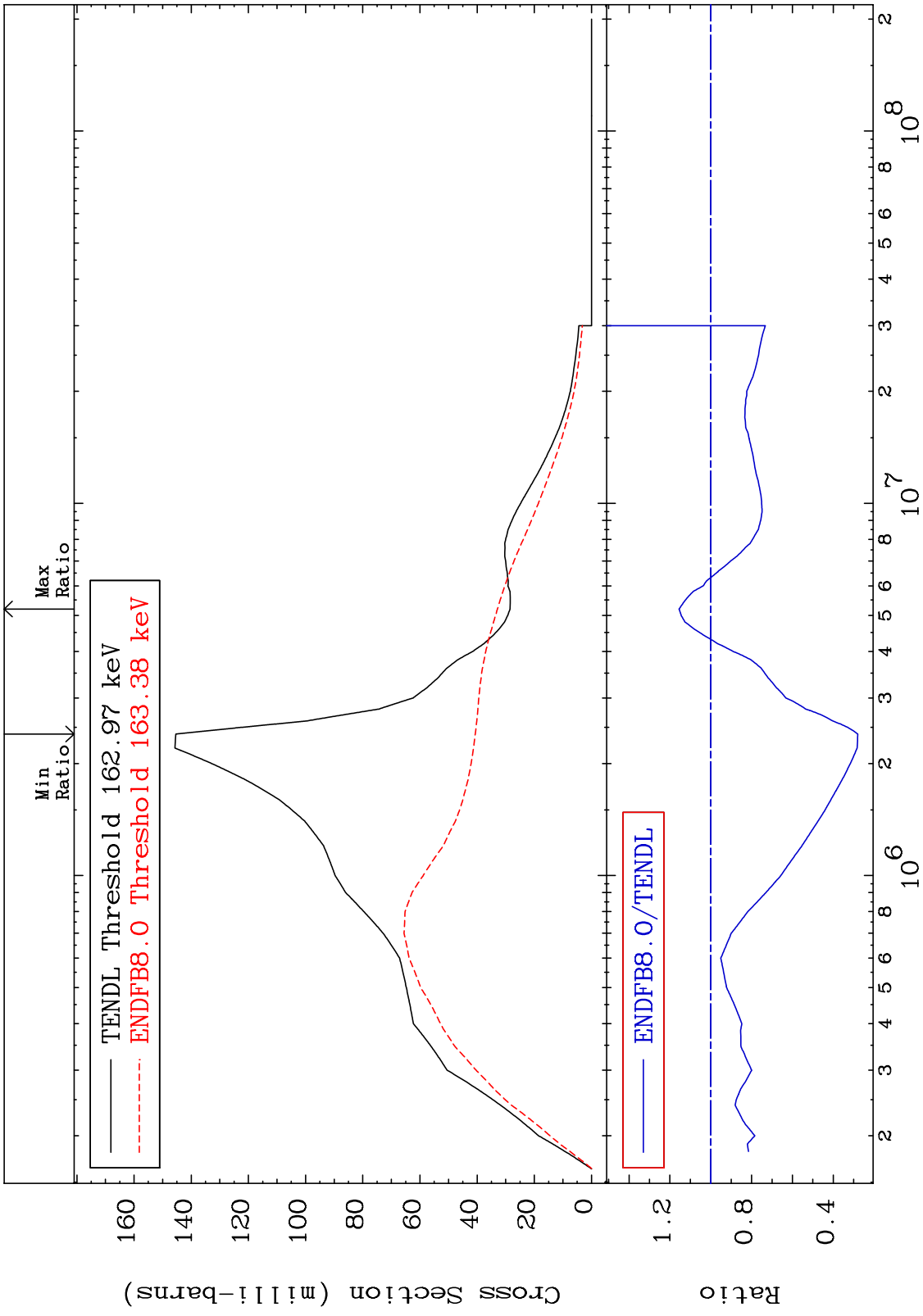
MAT 9549      MT= 54 (n,n') Level Cross Section      95-Am-243  
 -96.76 To 97.51 %



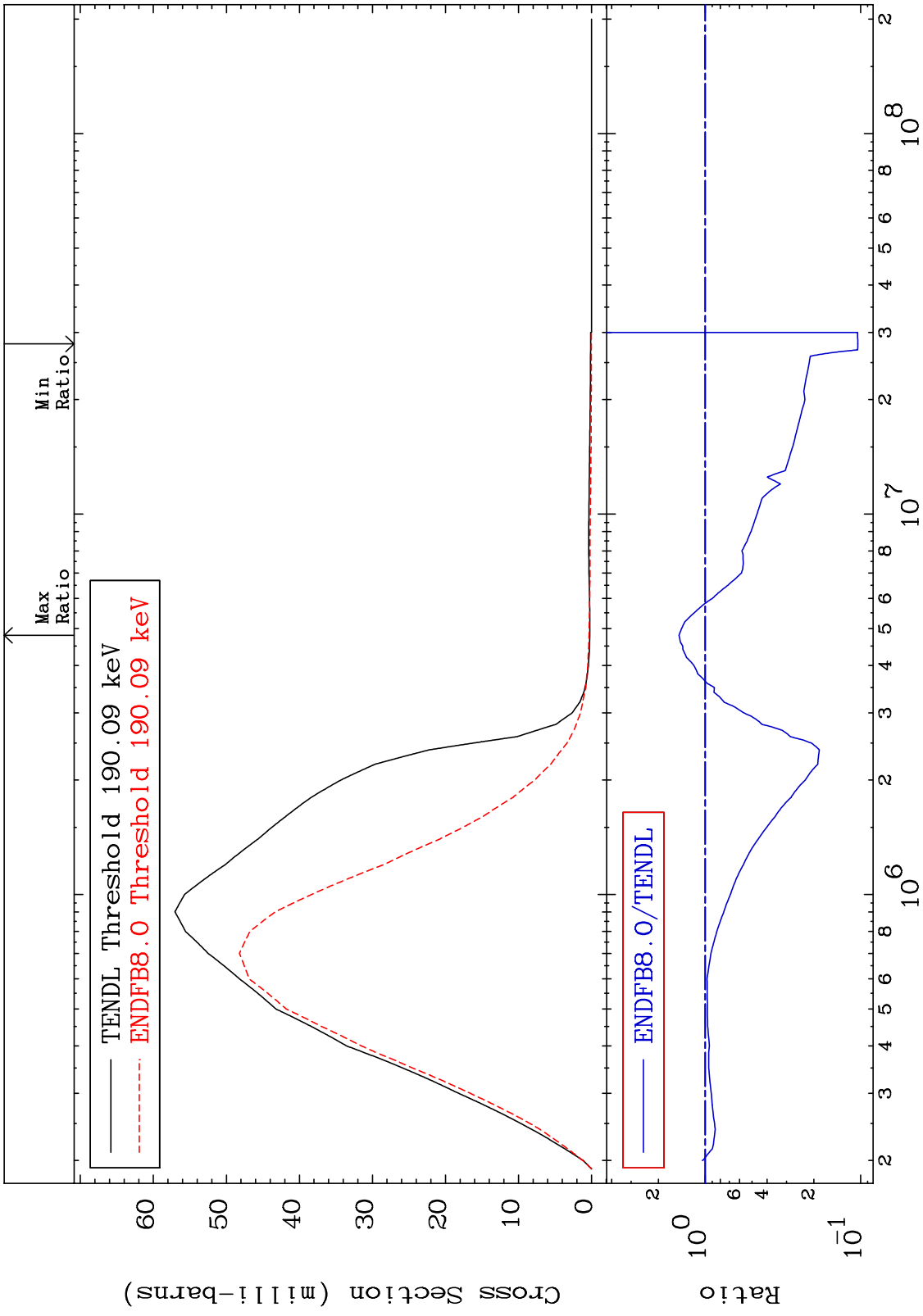
MAT 9549      MT= 55 (n,n') Level Cross Section      95-Am-243  
 -97.88 To 204.9 %



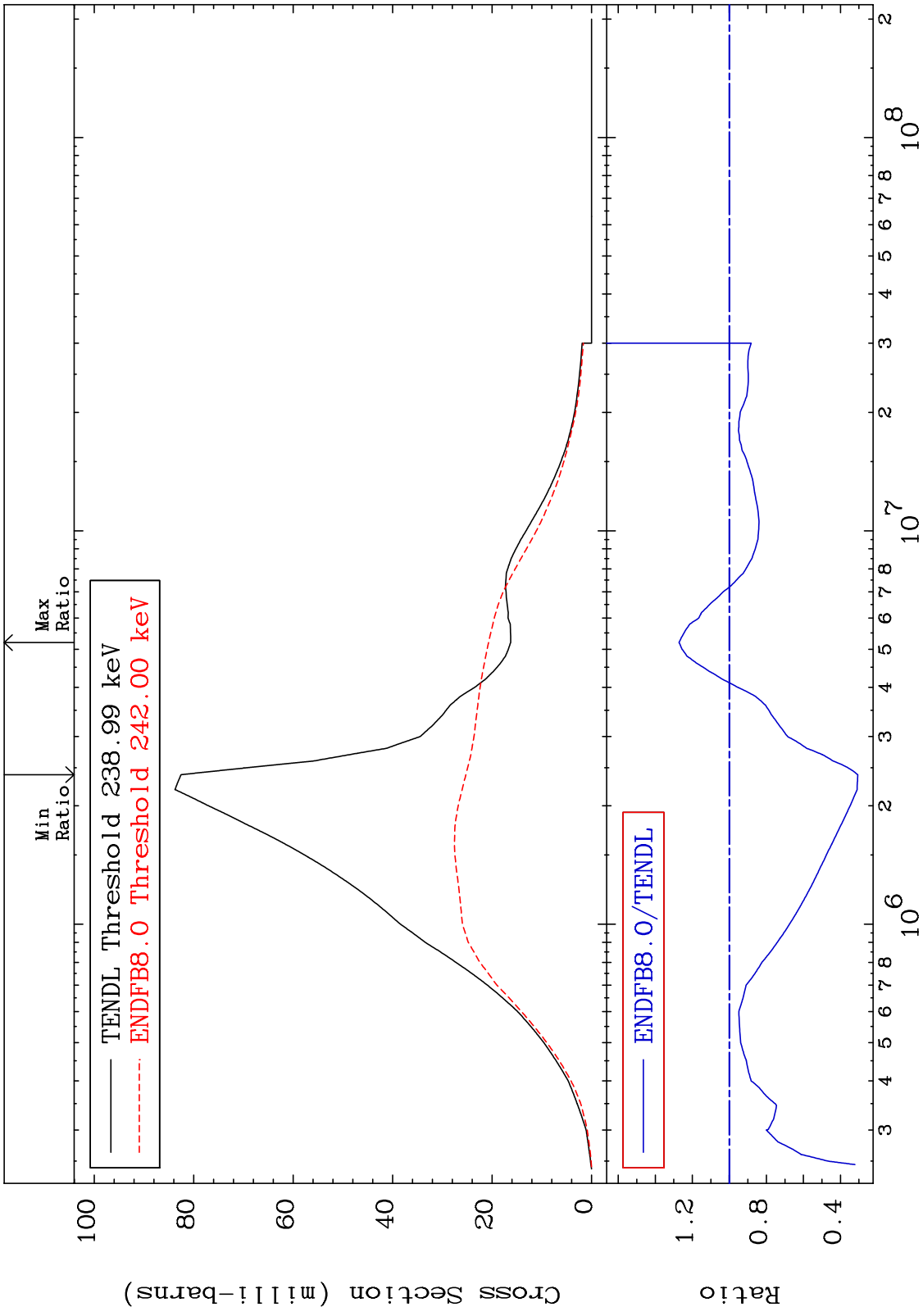
MAT 9549      MT= 56 (n,n') Level      95-Am-243  
 Cross Section      -72.02 To 15.51 %



MAT 9549      MT= 57 (n,n') Level Cross Section      95-Am-243  
 -89.59 To 47.25 %

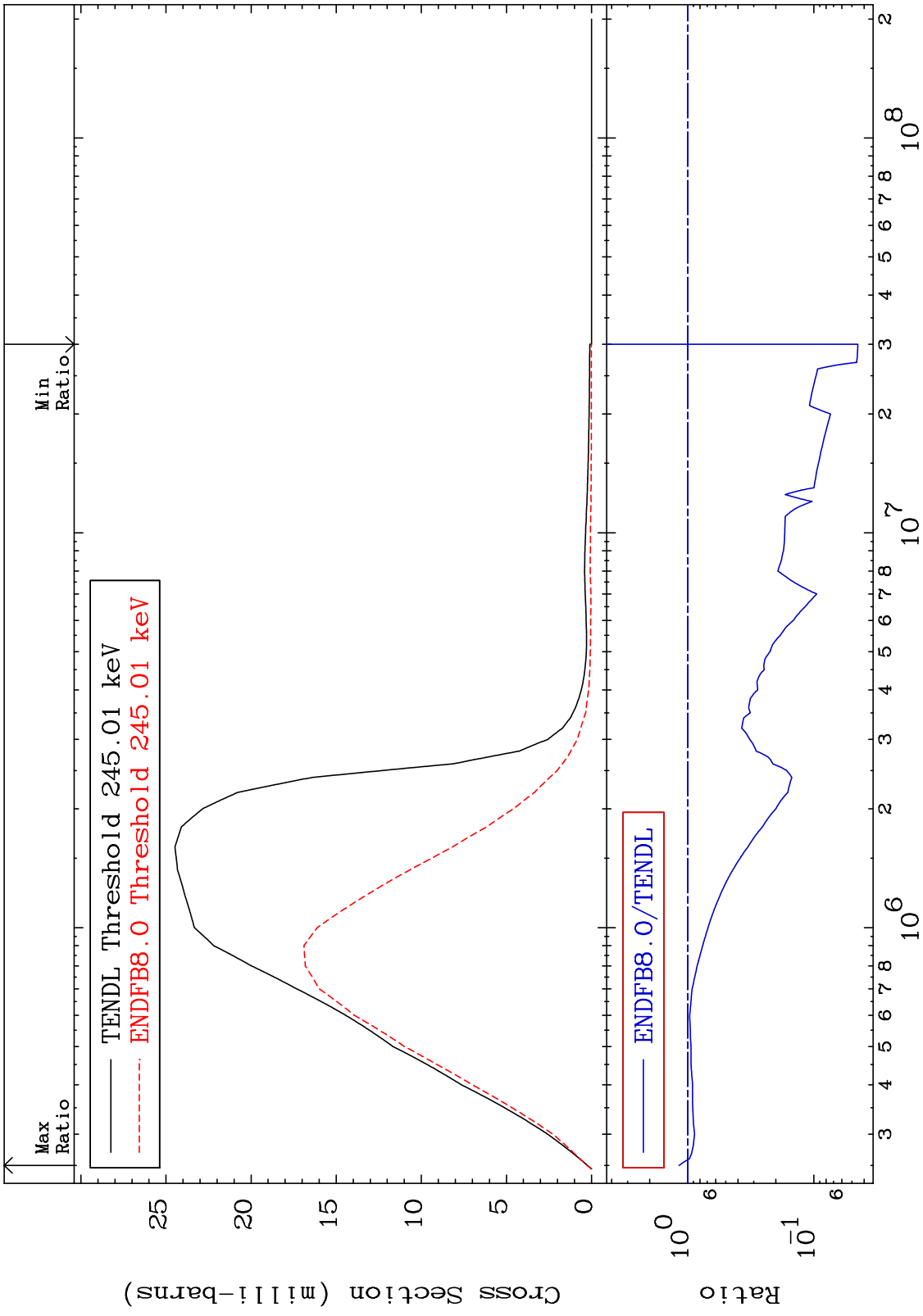


MAT 9549      MT= 58 (n,n') Level Cross Section      95-Am-243  
 -69.38 To 27.17 %

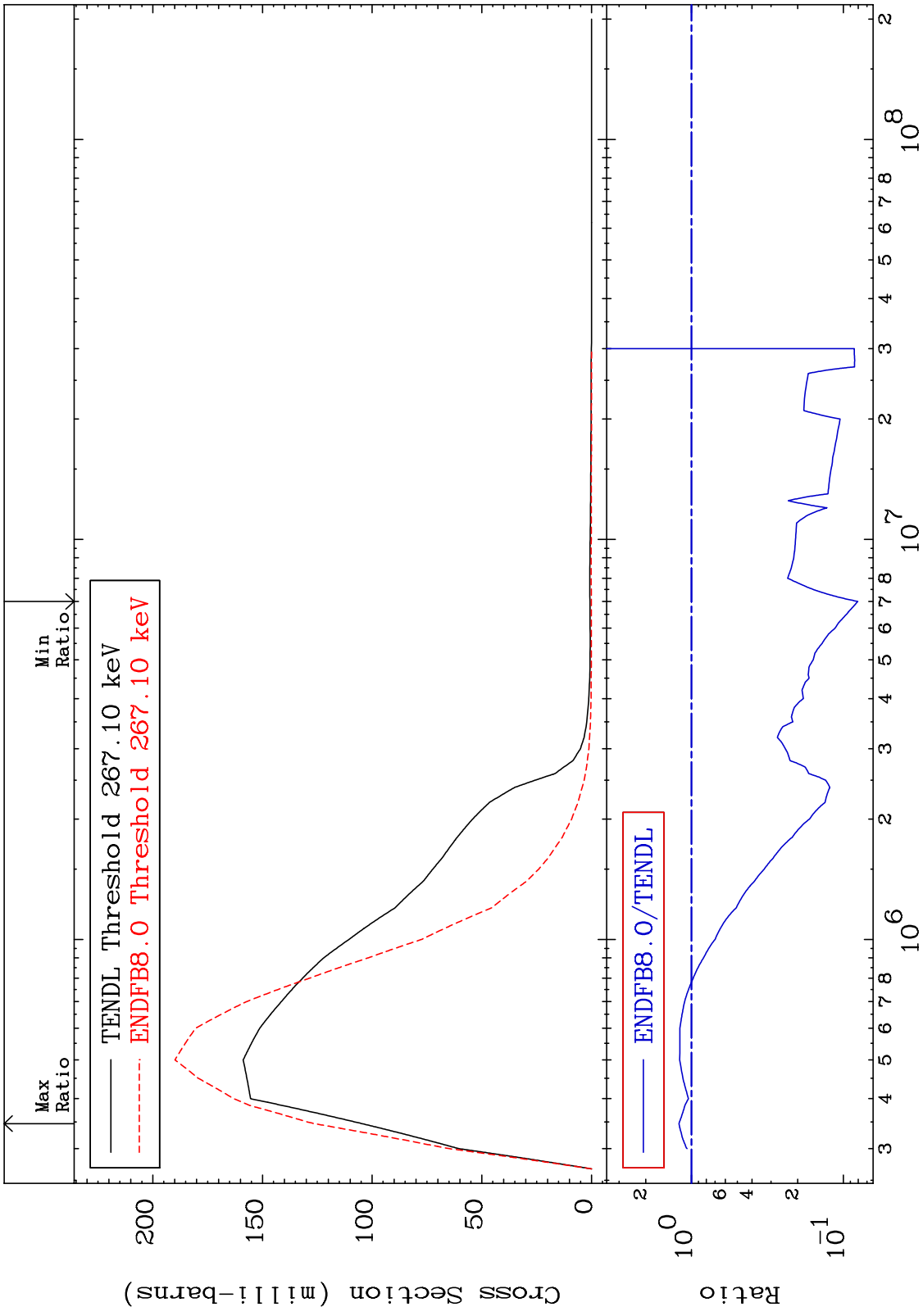




MAT 9549 MT= 59 (n,n') Level Cross Section 95-Am-243 -95.51 To 17.15 %



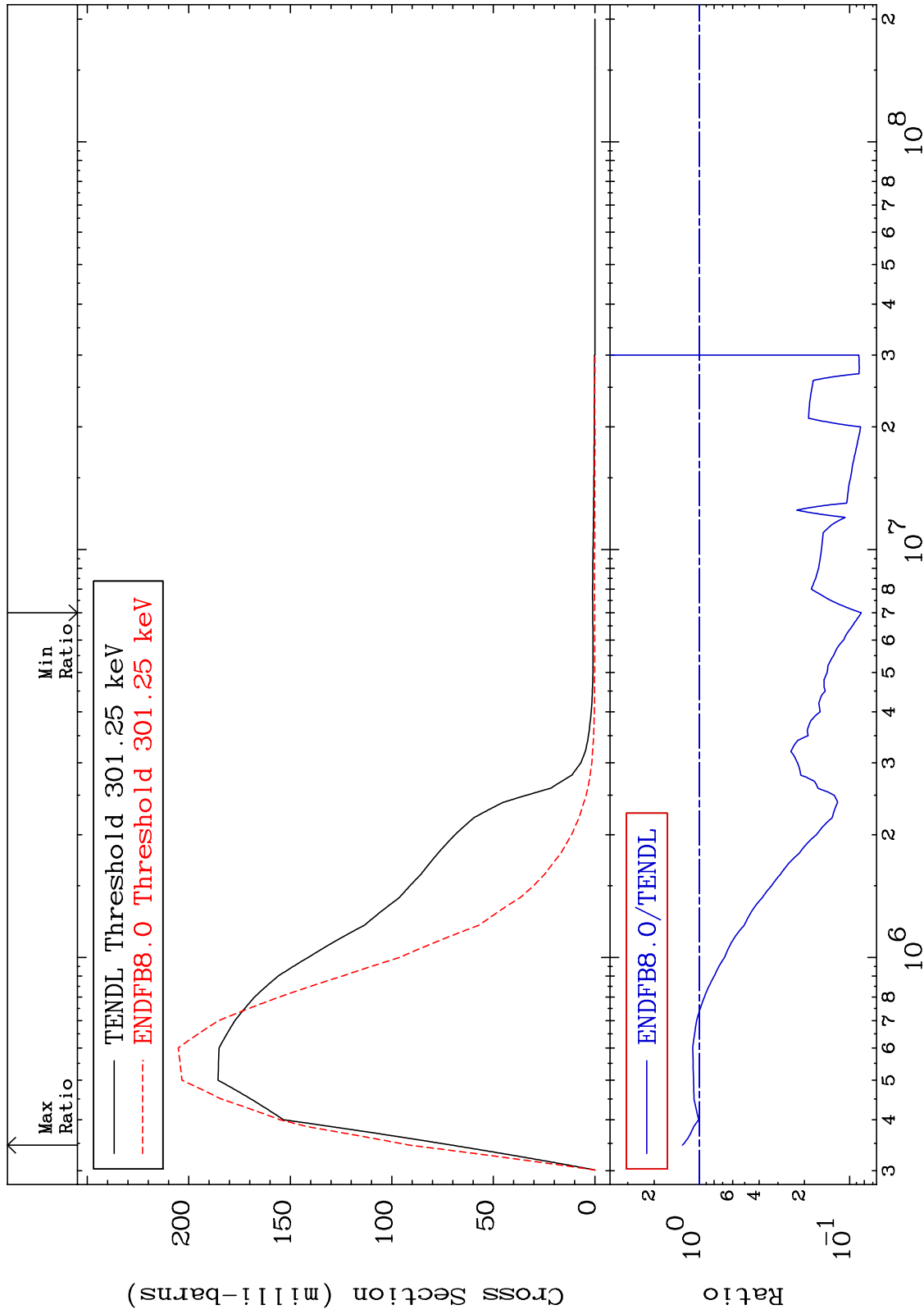
MAT 9549      MT= 60 (n,n') Level      95-Am-243  
 Cross Section      -91.96 To 20.84 %



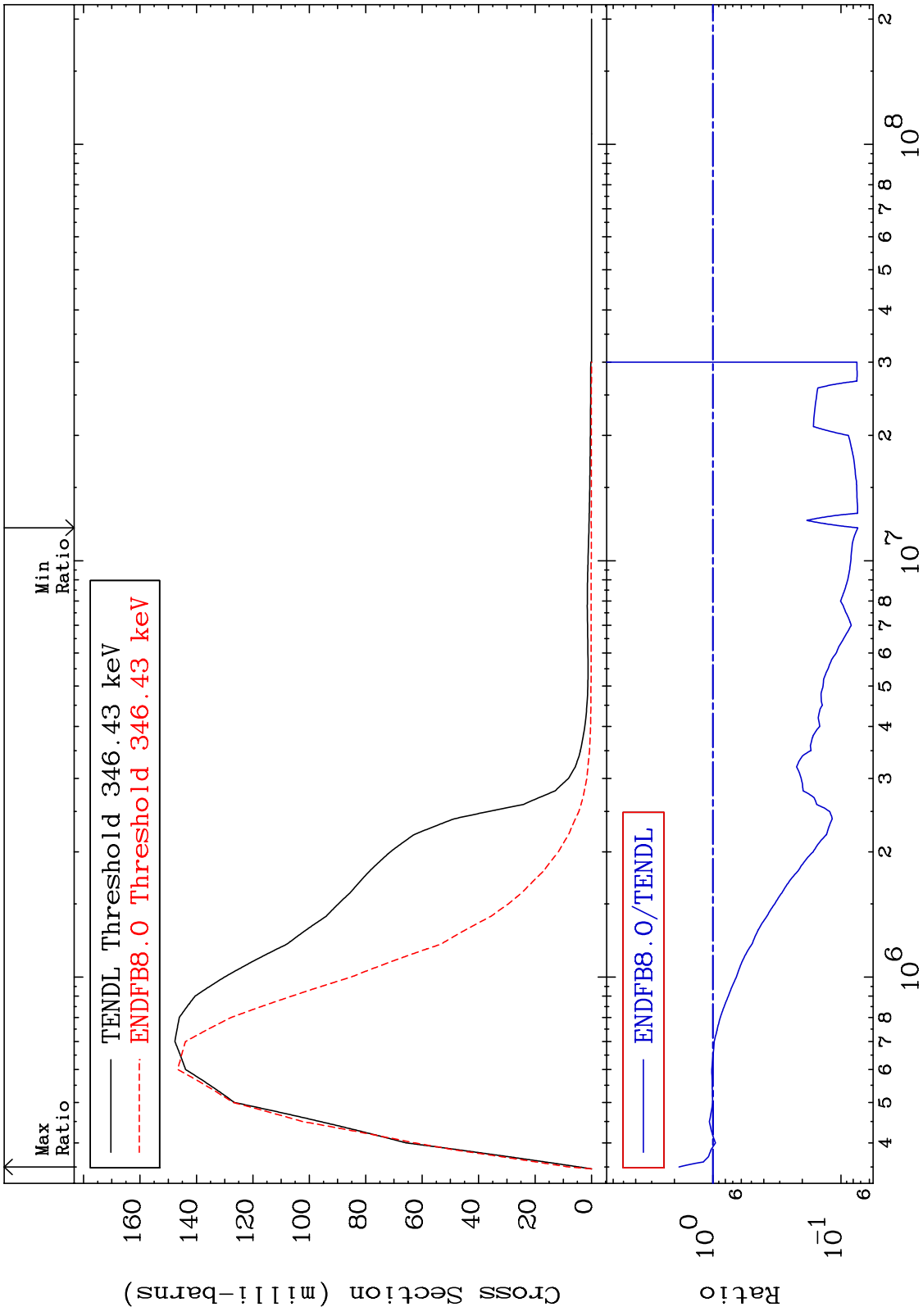
MAT 9549

MT= 61 (n,n') Level  
Cross Section

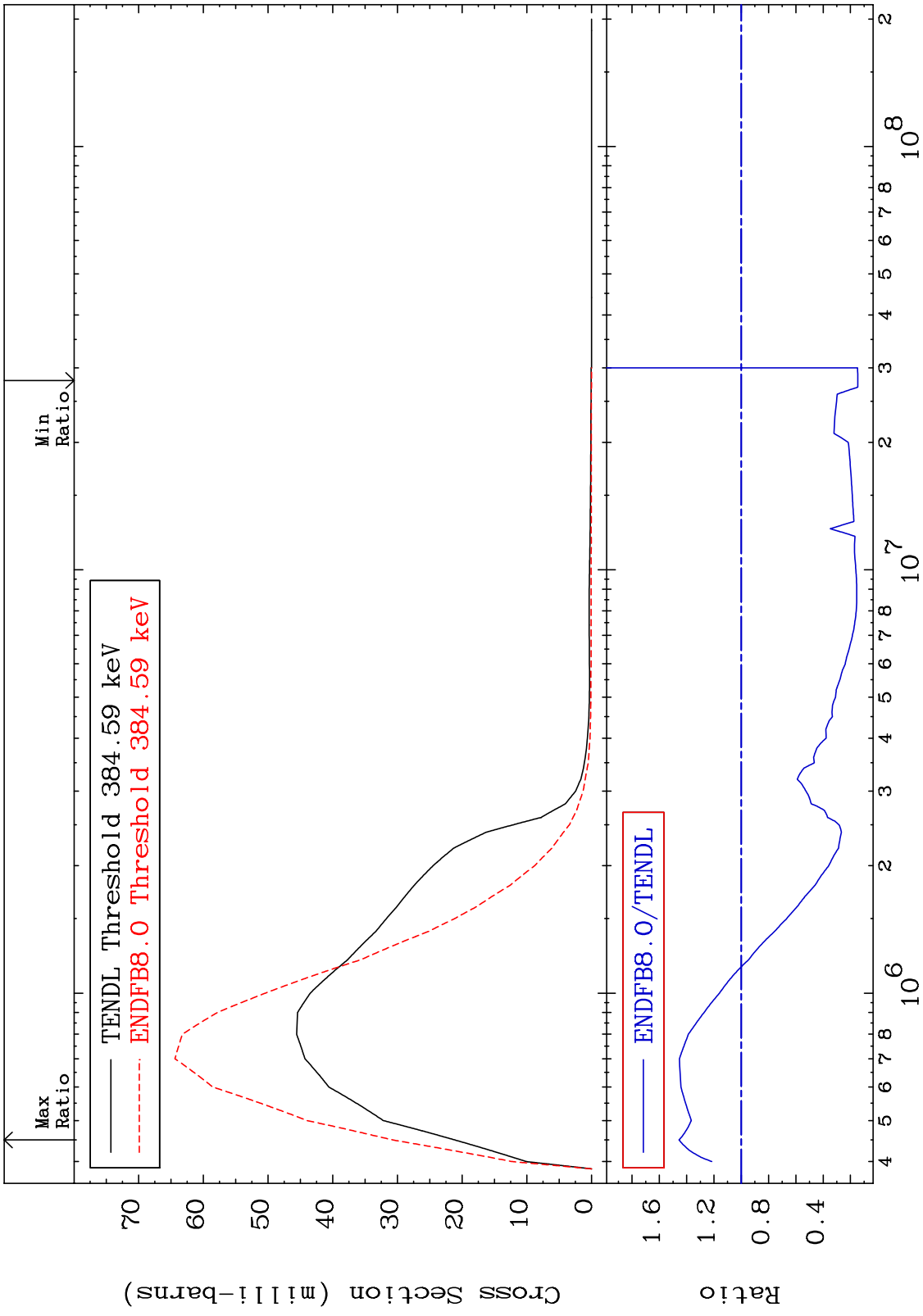
95-Am-243  
-91.63 To 29.72 %



MAT 9549      MT= 62 (n,n') Level Cross Section      95-Am-243  
 -92.63 To 83.64 %



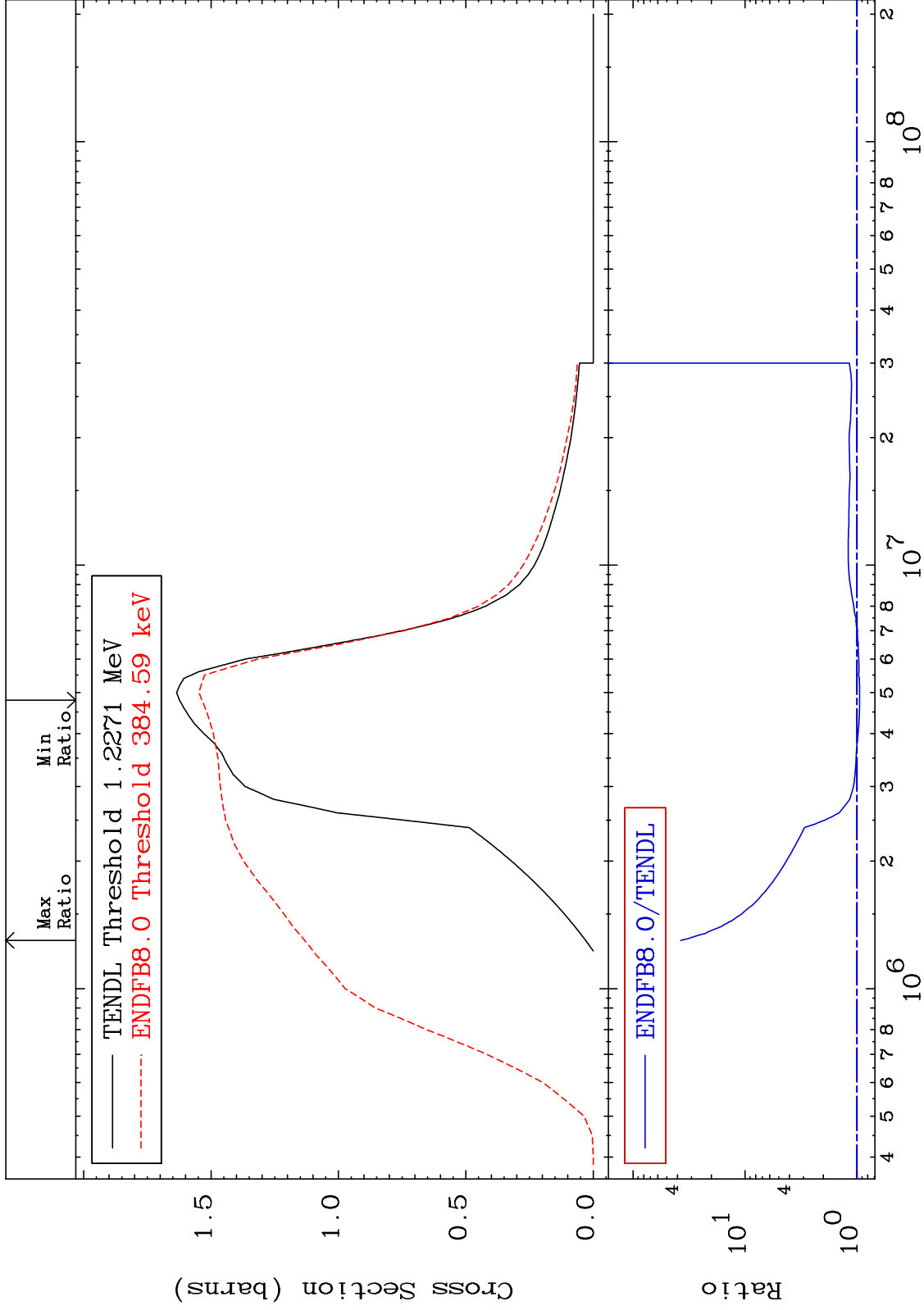
MAT 9549      MT= 63 (n,n') Level      95-Am-243  
 Cross Section      -85.41 To 45.57 %



MAT 9549

(n,n') Continuum  
Cross Section

95-Am-243  
-5.434 To 3641. %

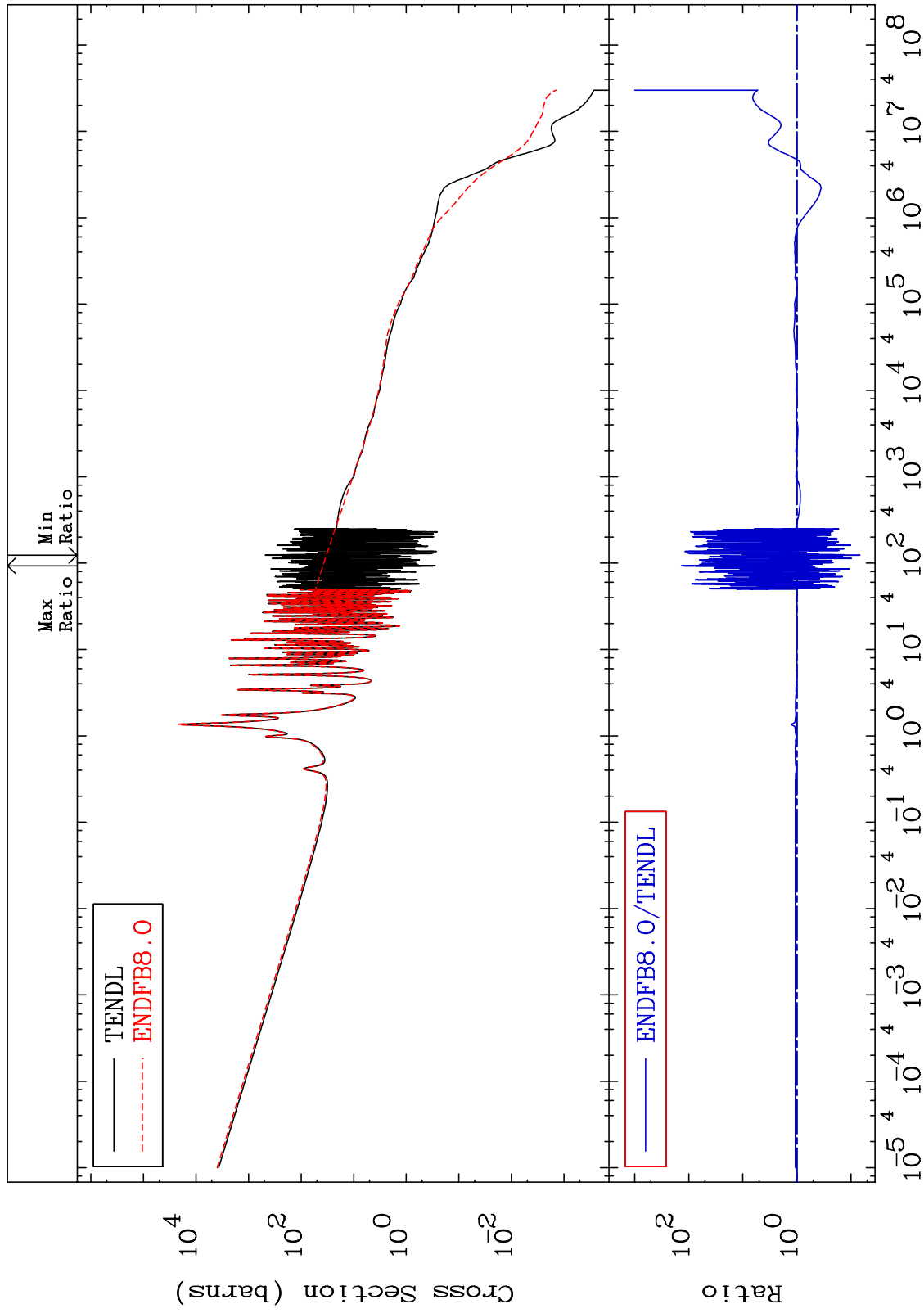


MAT 9549

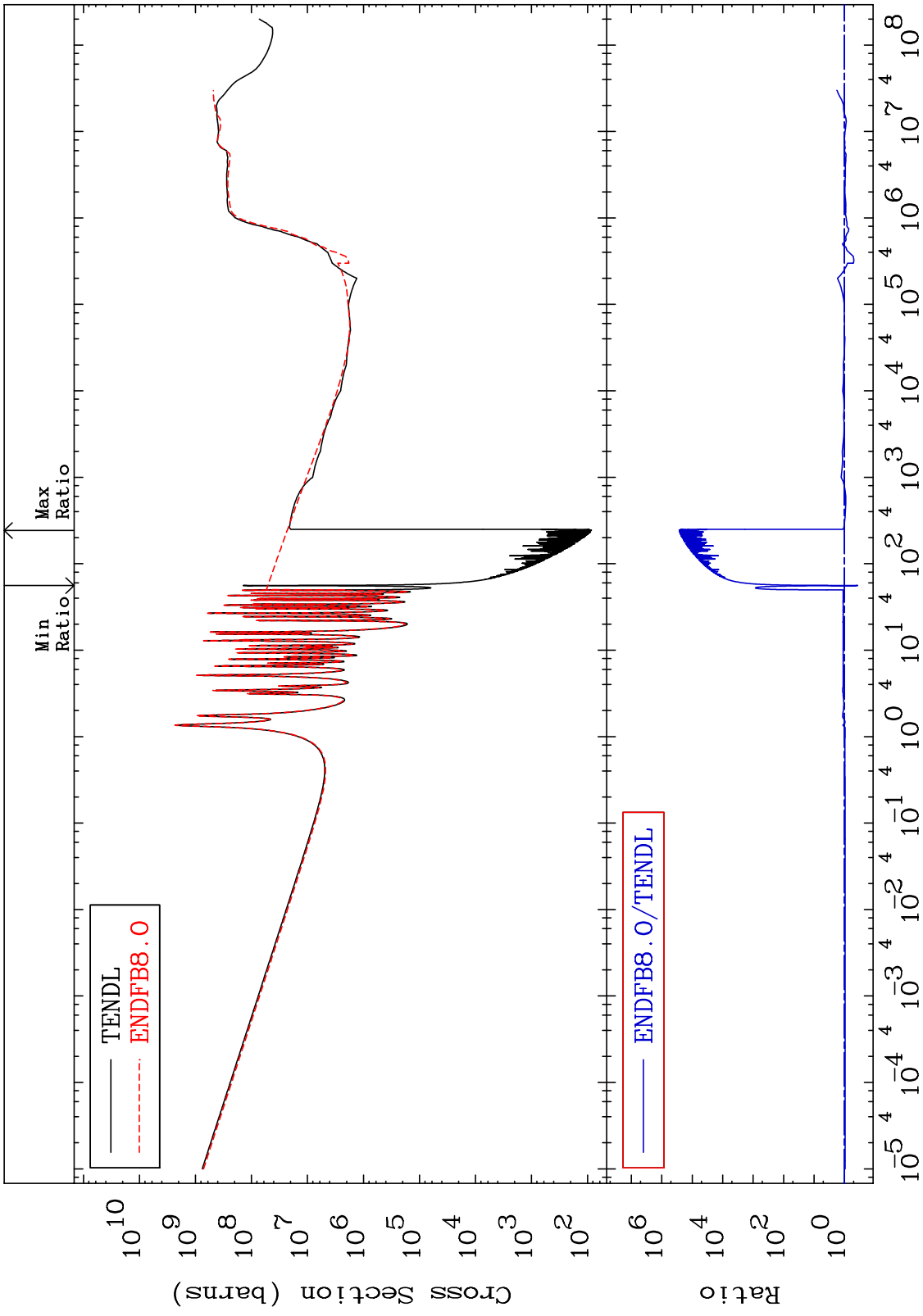
(n,  $\gamma$ )

95-Am-243

-93.13 To 9999. %



MAT 9549 Kerma total (eV-barns) 95-Am-243  
 Cross Section -63.48 To 9999. %

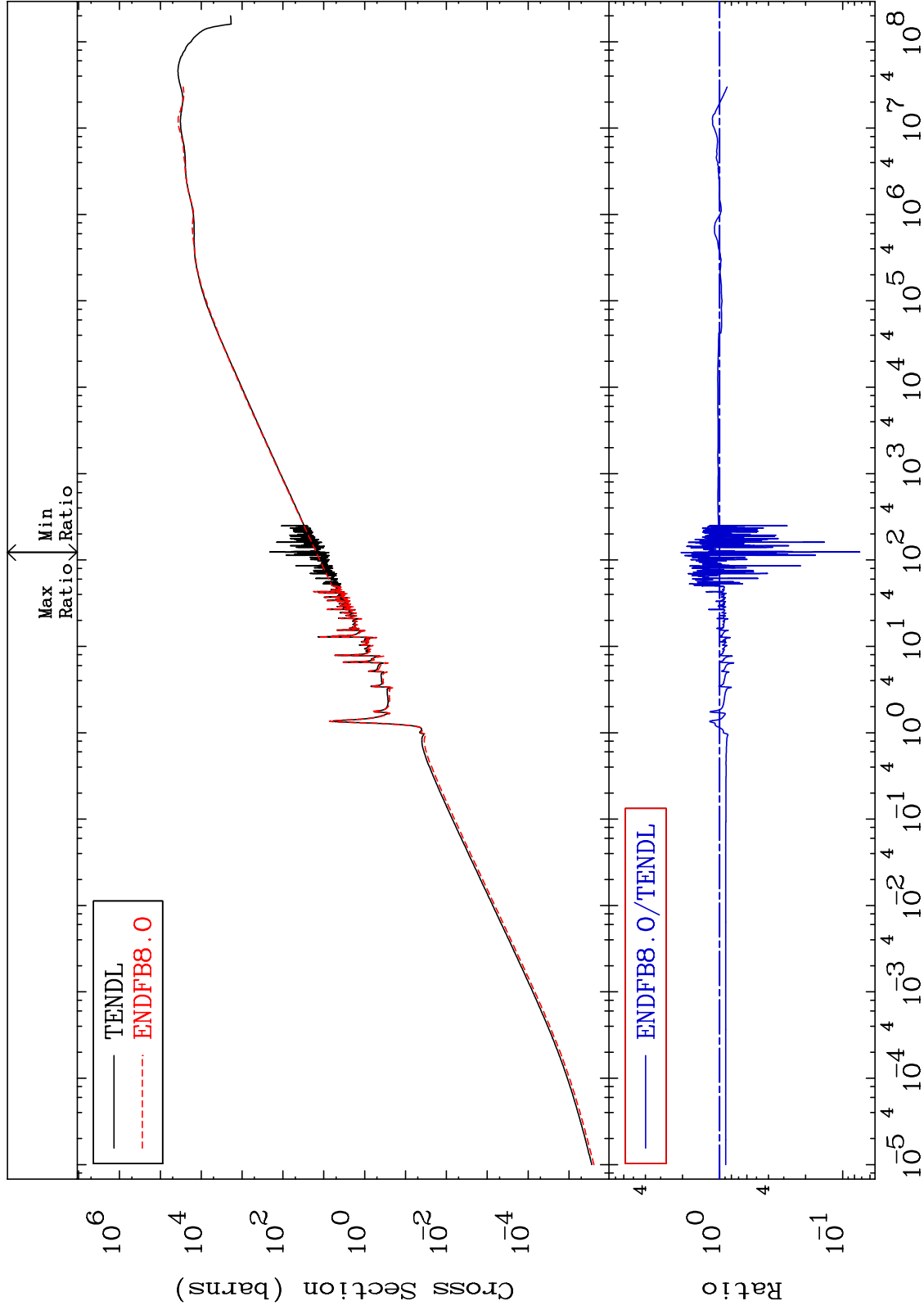




MAT 9549

Kerma elastic  
Cross Section

95-Am-243  
-92.75 To 104.5 %



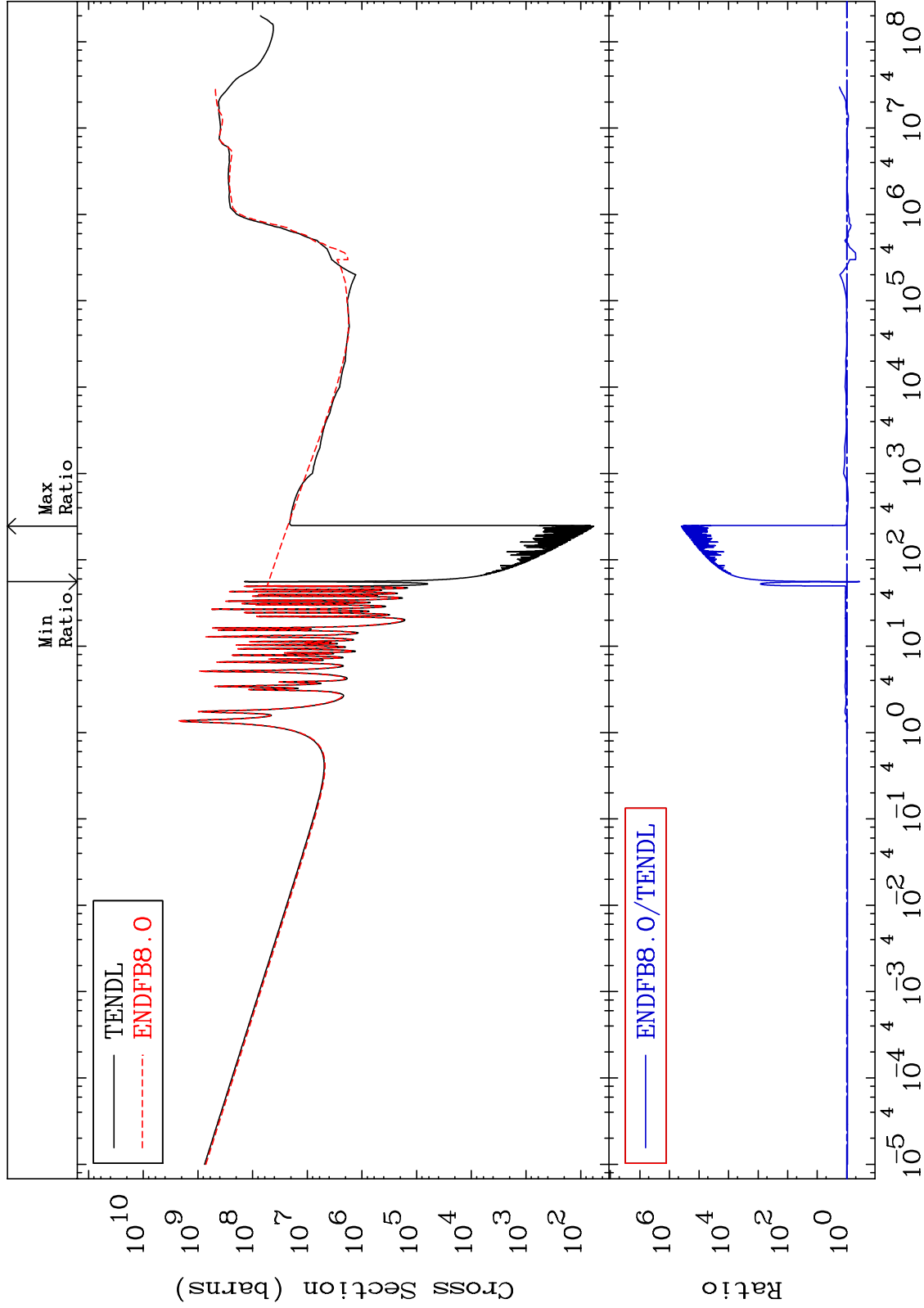
MAT 9549

Kerma non-elastic (all but mt2)

95-Am-243

-63.48 To 9999. %

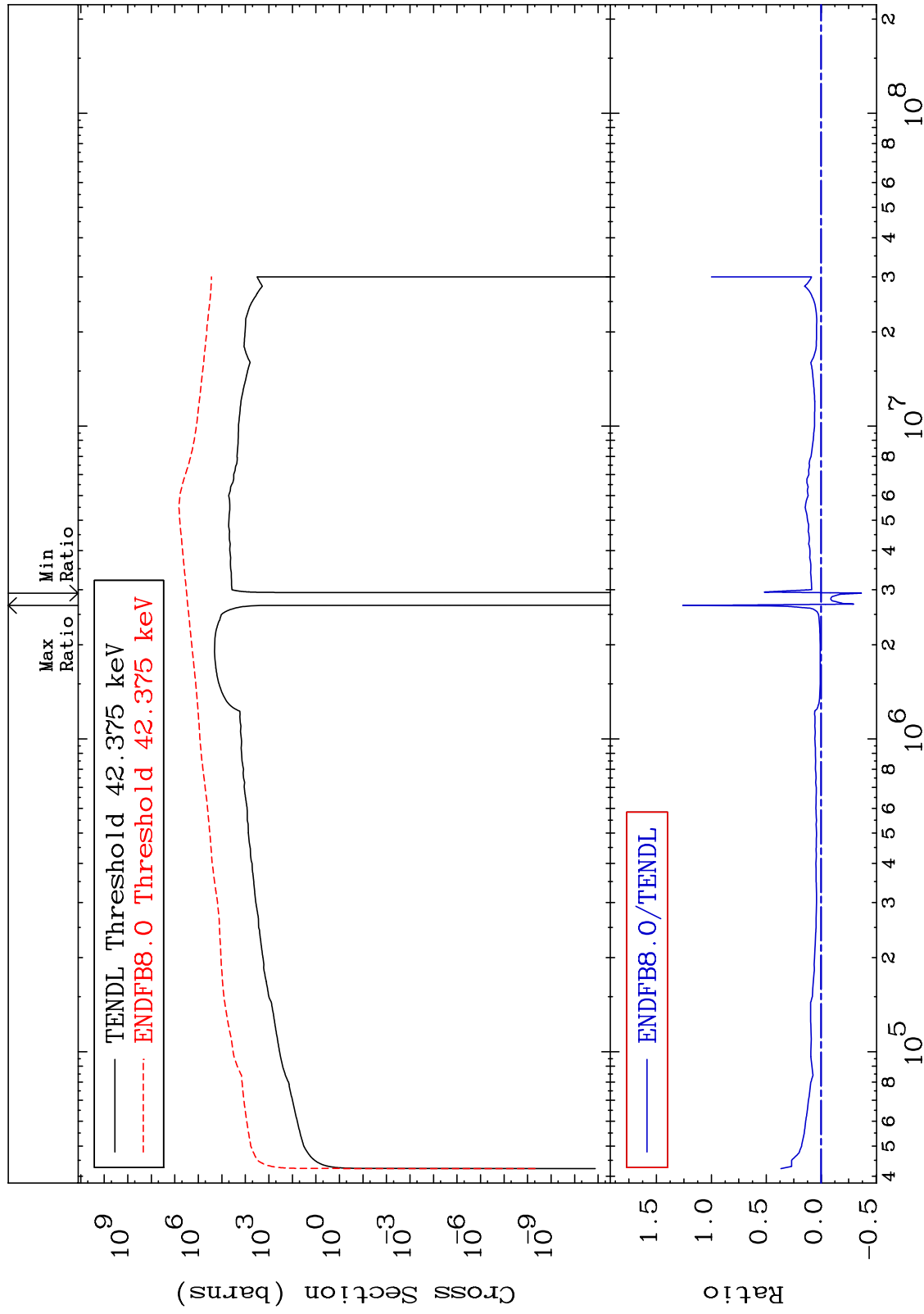
Cross Section



MAT 9549

Kerma inelastic (mt51-91)  
Cross Section

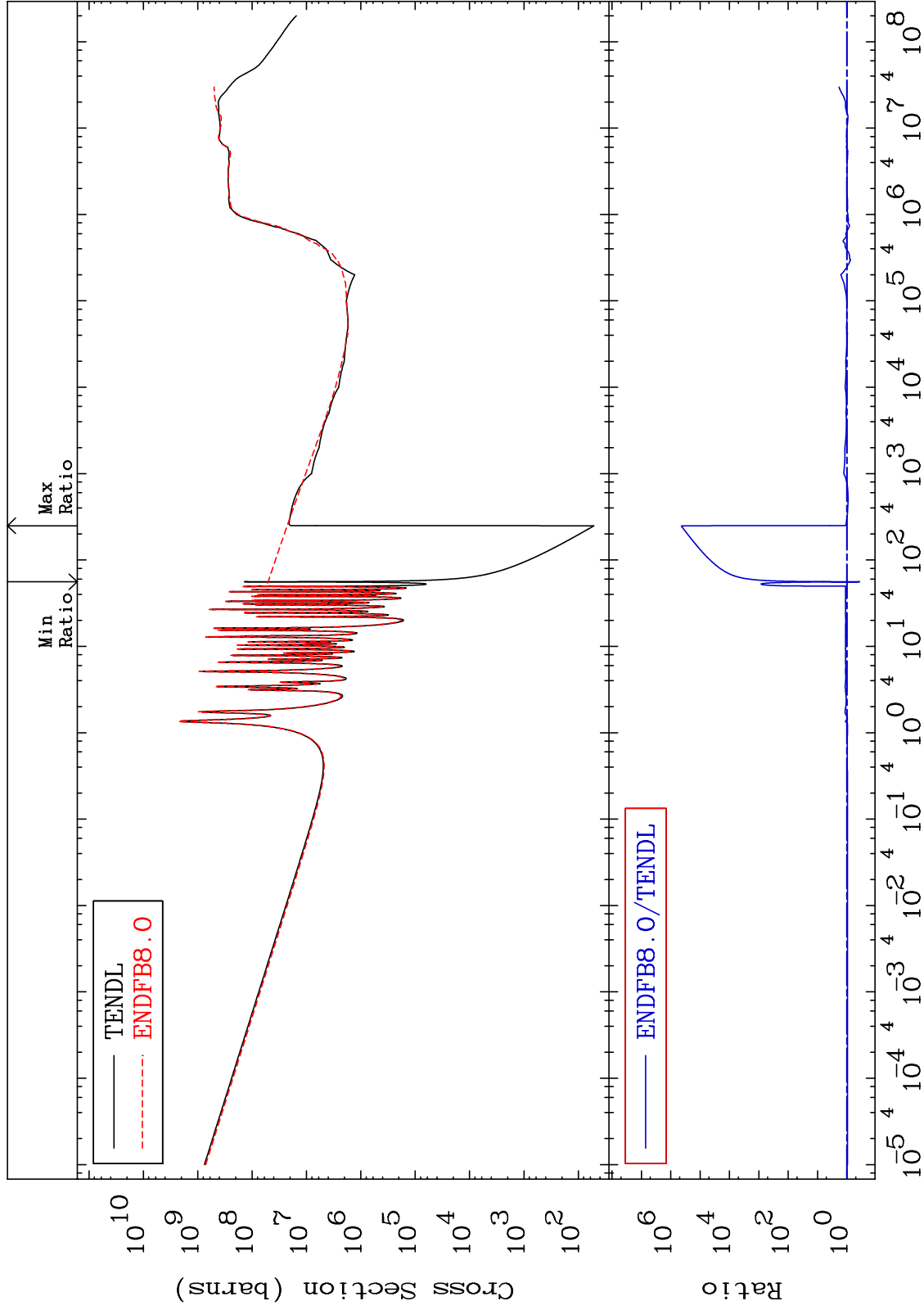
95-Am-243  
-9999. To 9999. %



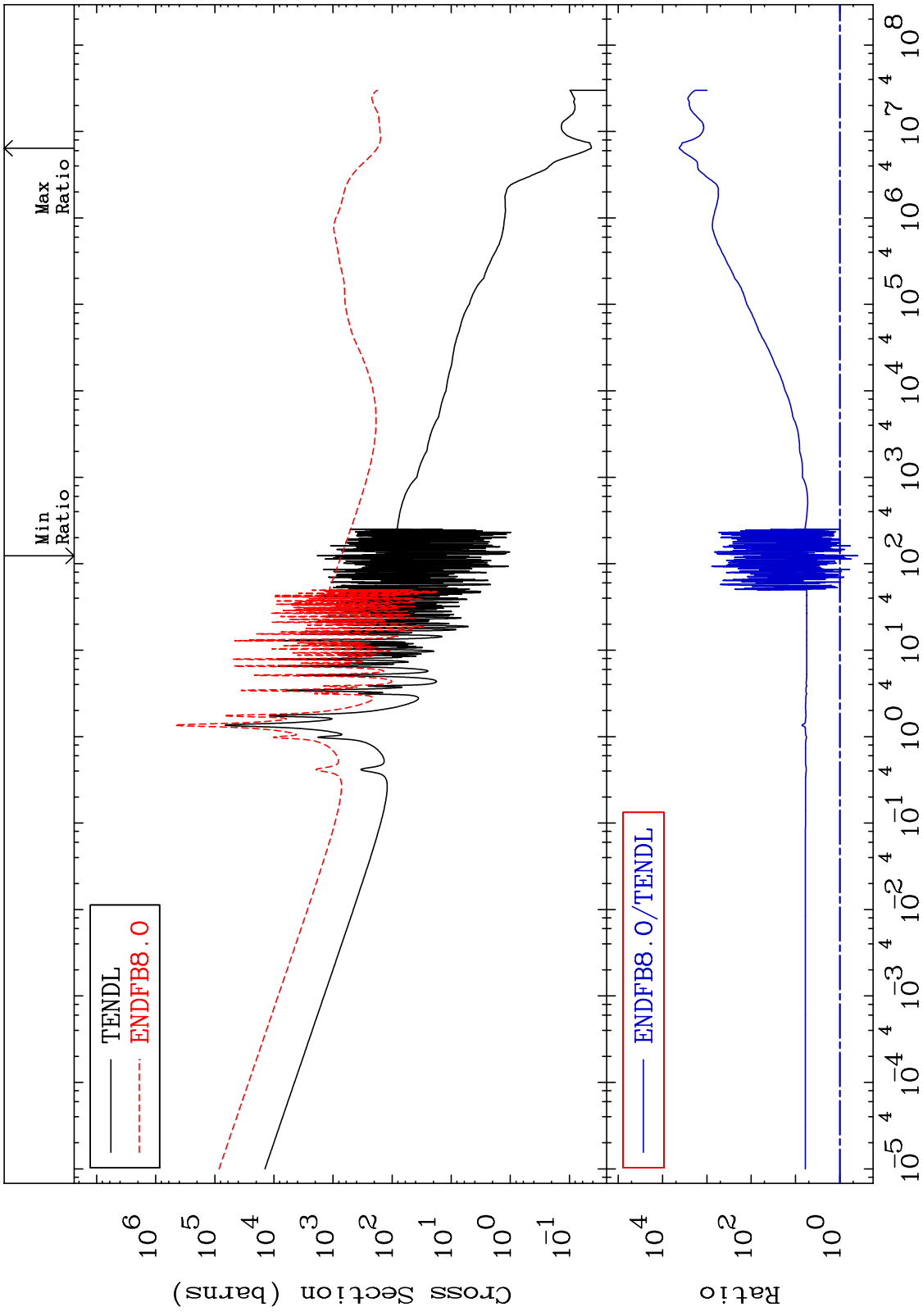
MAT 9549

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

95-Am-243  
-63.49 To 9999. %



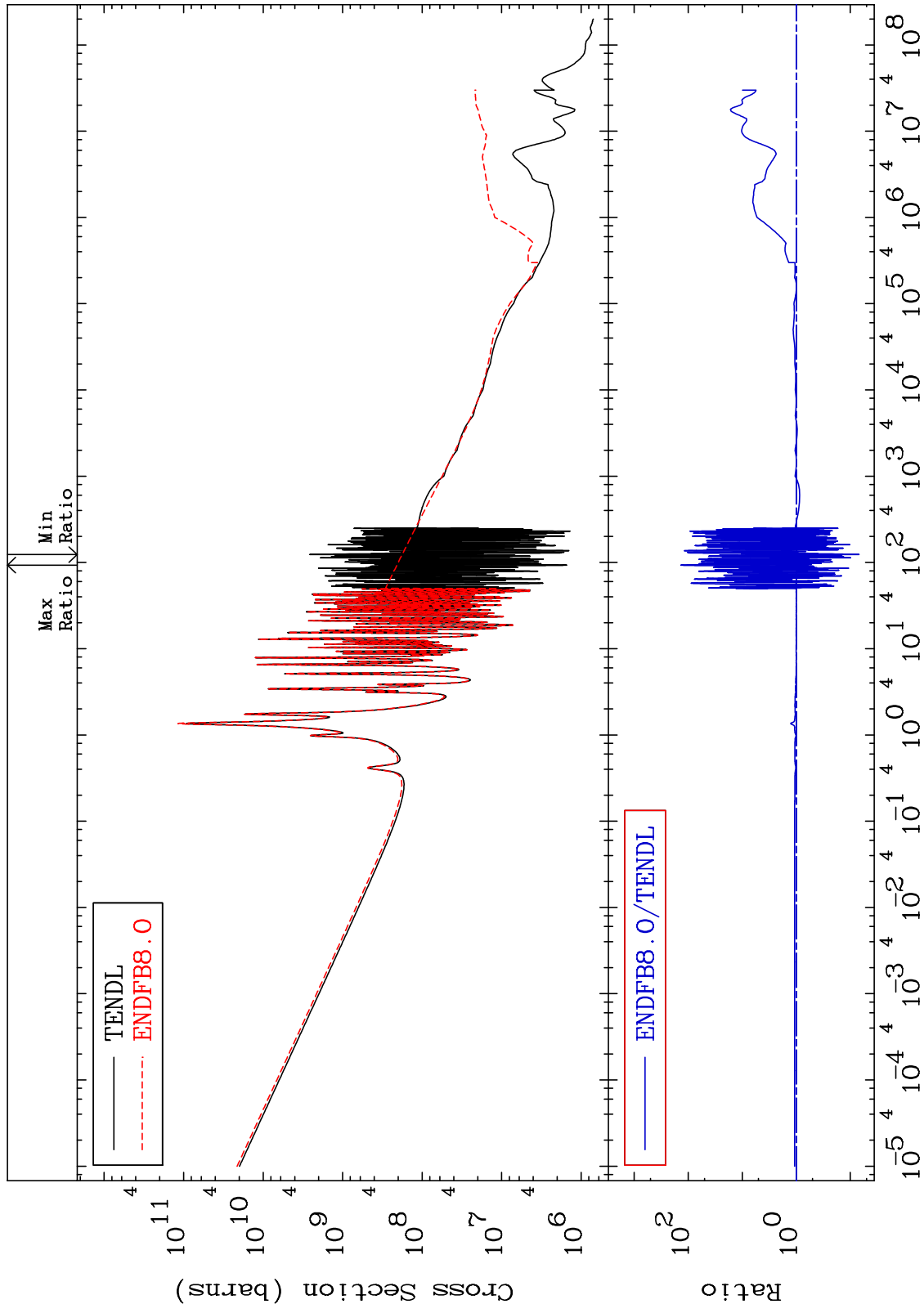
MAT 9549 Kerma capture (mt102) Cross Section 95-Am-243  
 -60.81 To 9999. %



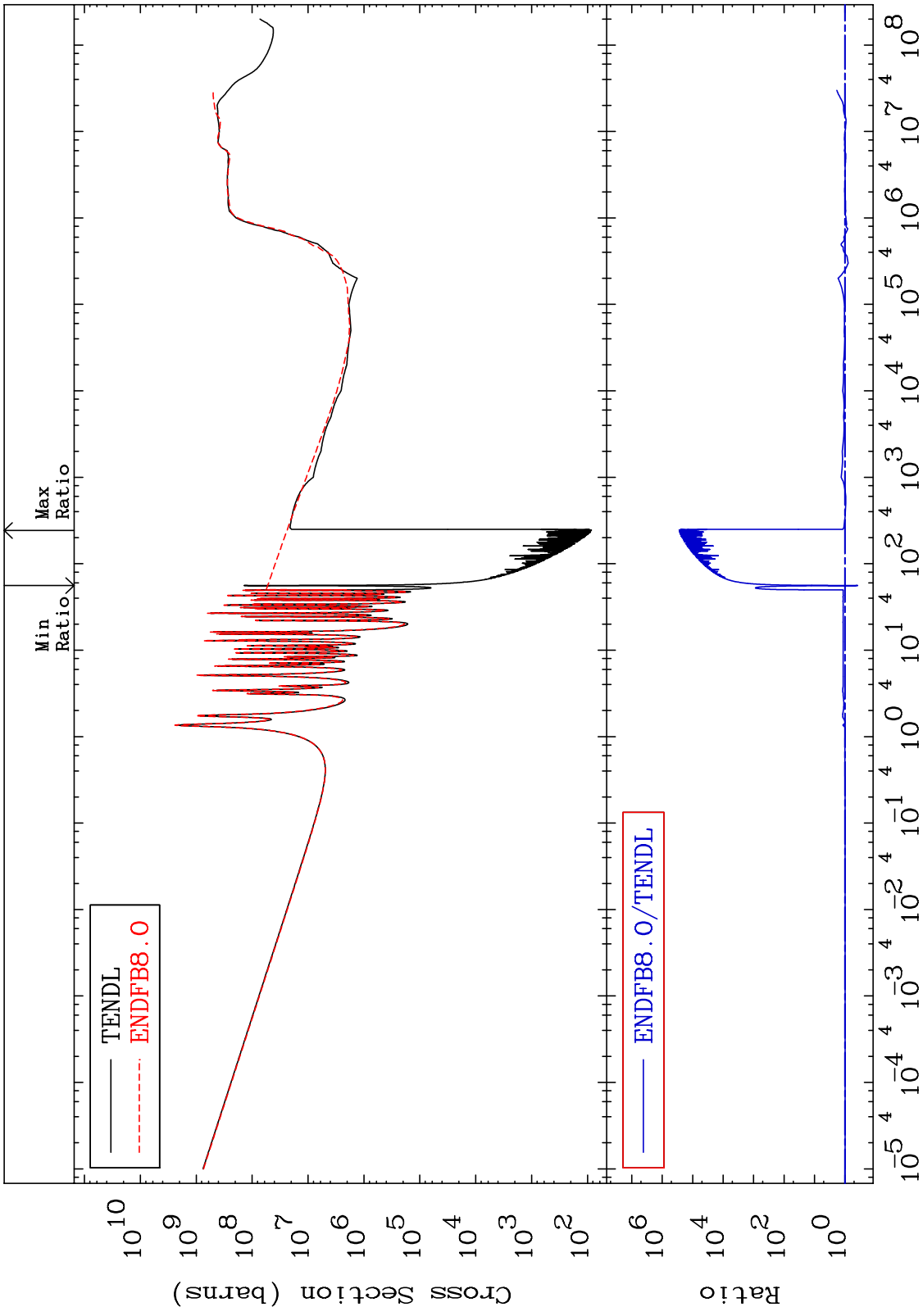
MAT 9549

Total photon (eV-barns)  
Cross Section

95-Am-243  
-93.10 To 9999. %

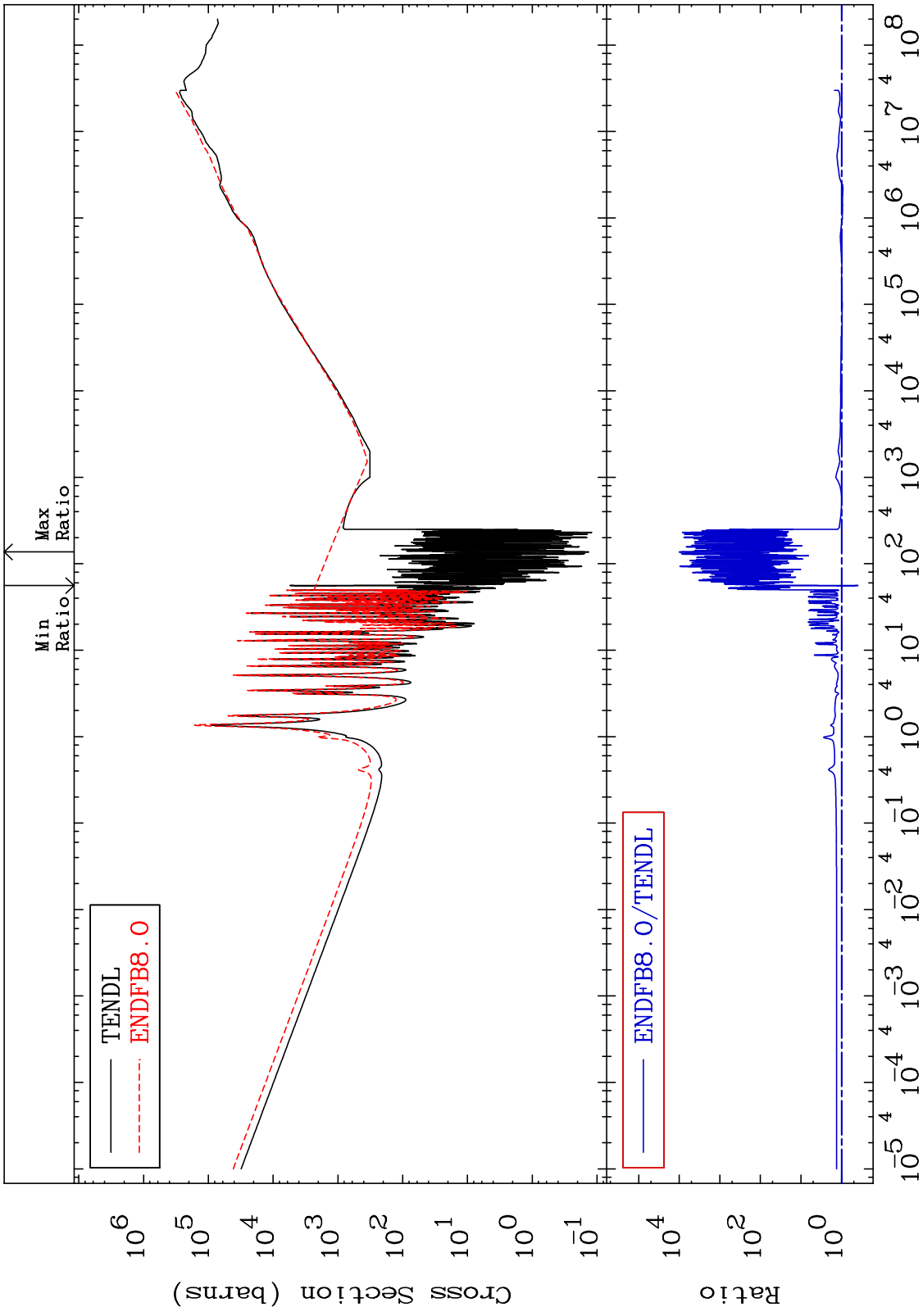


MAT 9549      Total kinematic kerma (high limit)      95-Am-243  
 -62.21 To 9999. %  
 Cross Section



30      Incident Energy (eV)      95-Am-243

MAT 9549      Dpa total (eV-barns)      95-Am-243  
 Cross Section      -60.35 To 9999. %

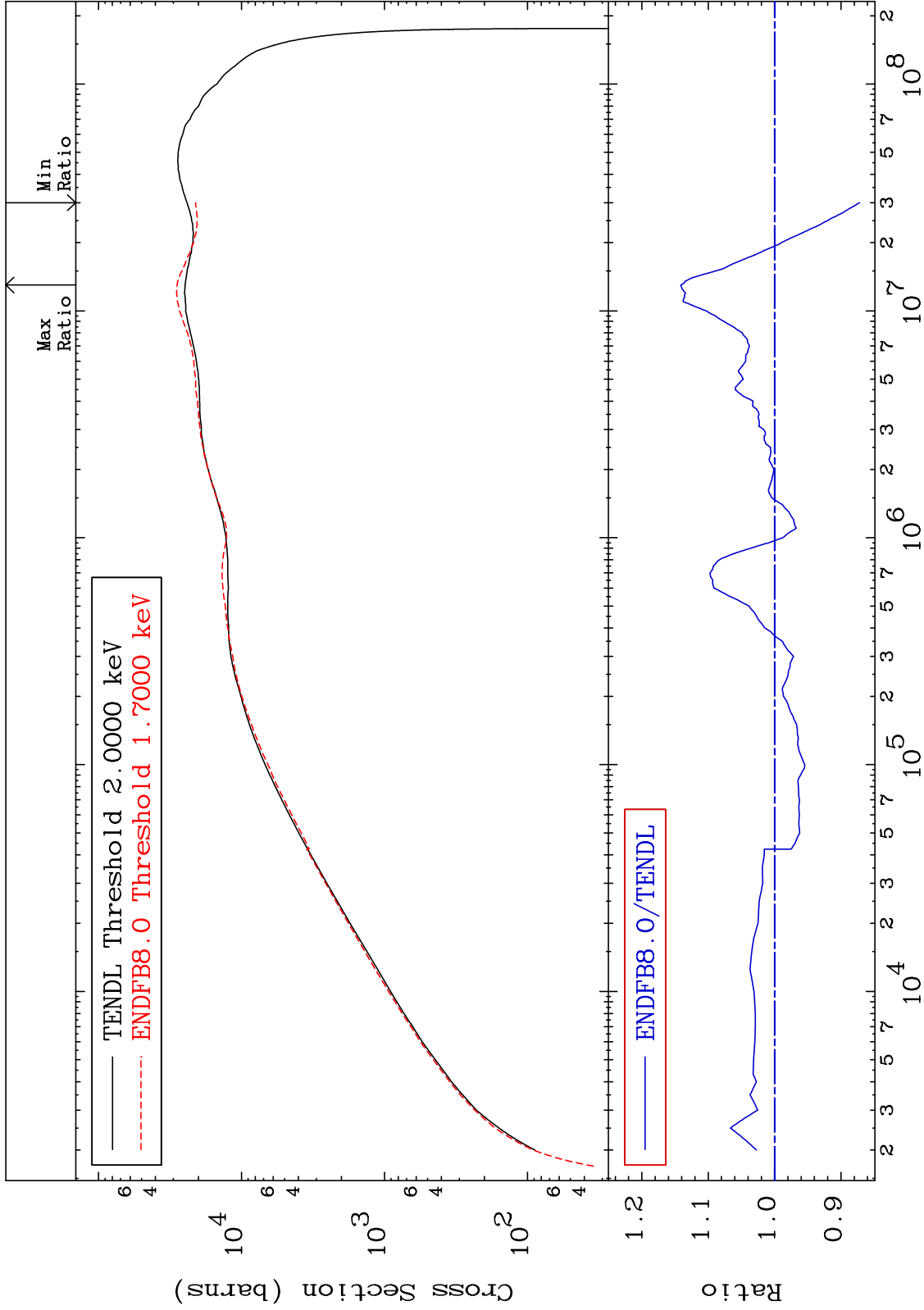




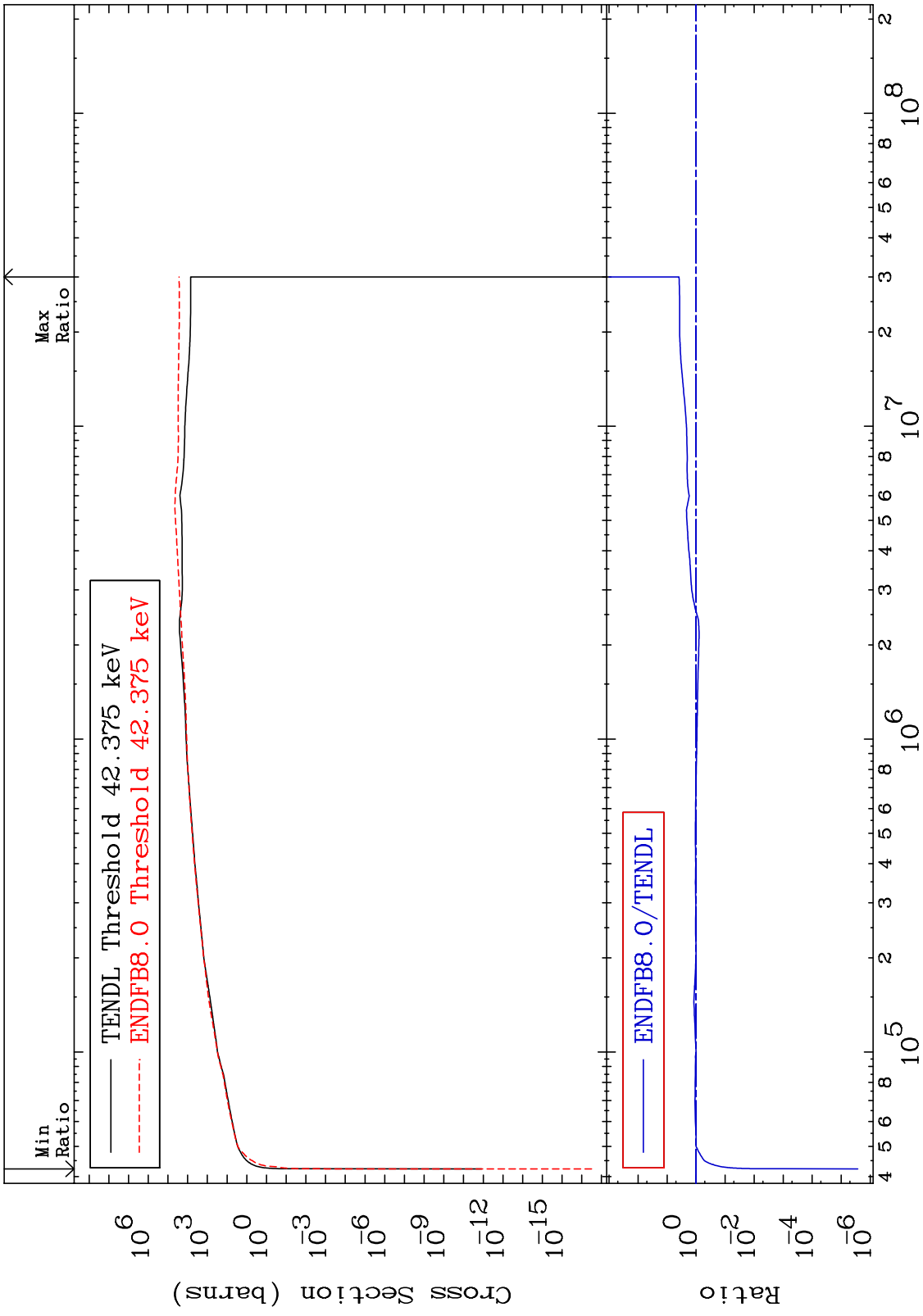
MAT 9549

Dpa elastic (mt2)  
Cross Section

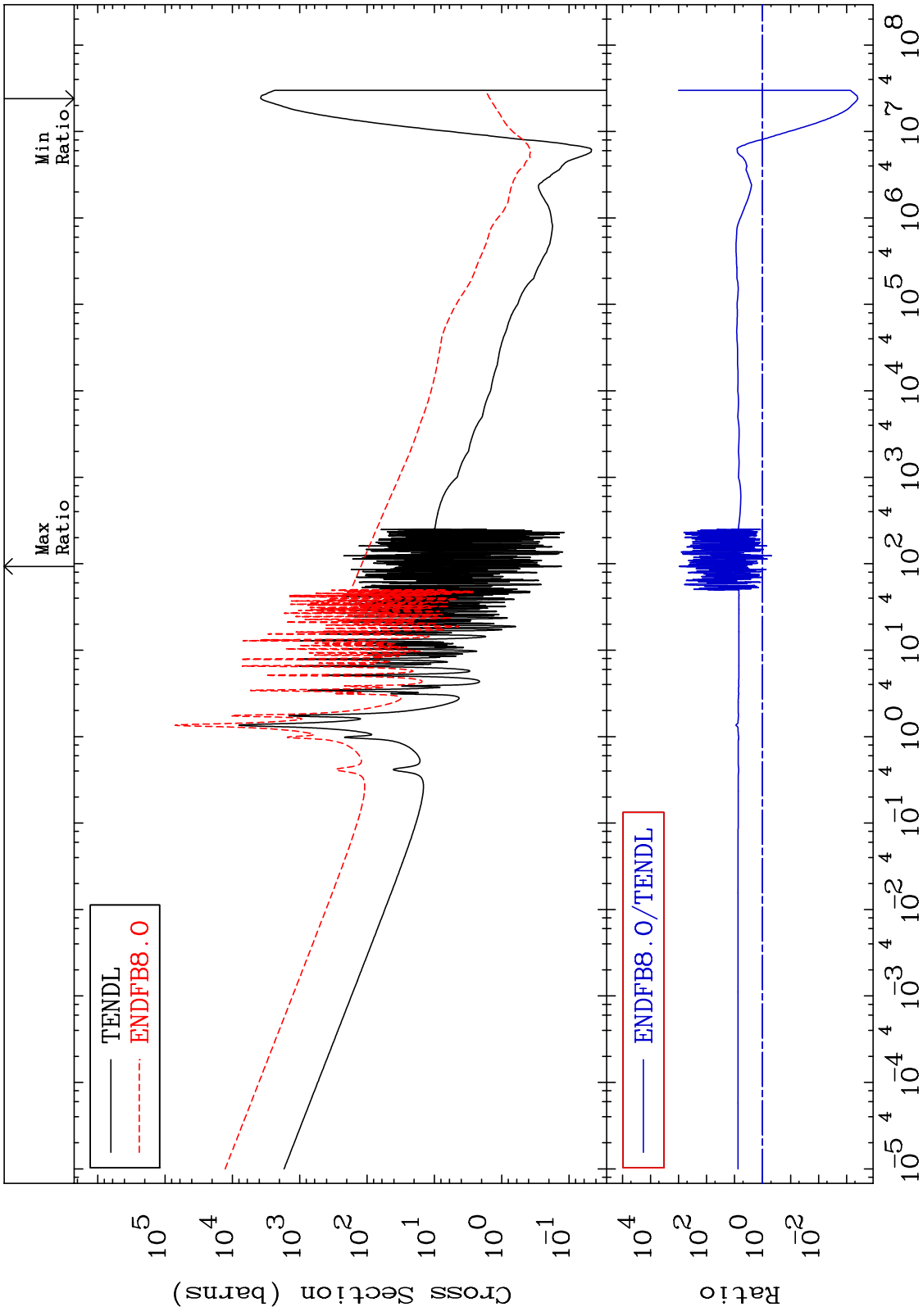
95-Am-243  
-12.81 To 14.13 %



MAT 9549      Dpa inelastic (mt51-91)      95-Am-243  
 Cross Section      -100.0 To 286.9 %



MAT 9549      Dpa disappearance (mt102 -120)      95-Am-243  
 Cross Section      -99.96 To 9999. %

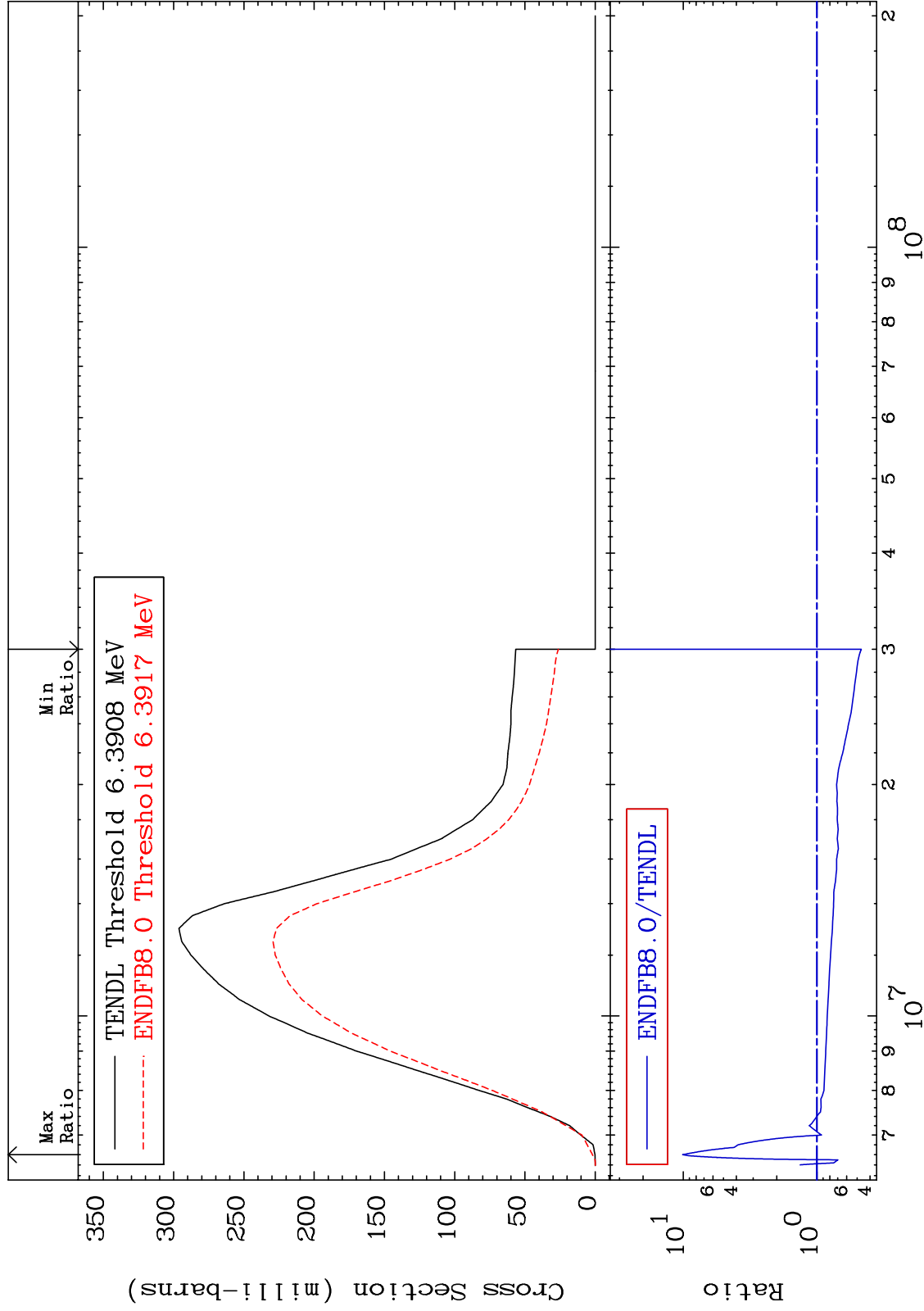


MAT 9549

(n,2n):95-Am-242g

95-Am-243

Radionuclide Production Cross Section -53.46 To 909.5 %



MAT 9549

(n,2n):95-Am-242m2

95-Am-243

Radionuclide Production Cross Section 6.855 To 1021. %

