

Program Complot  
(Version 2018-1)

by

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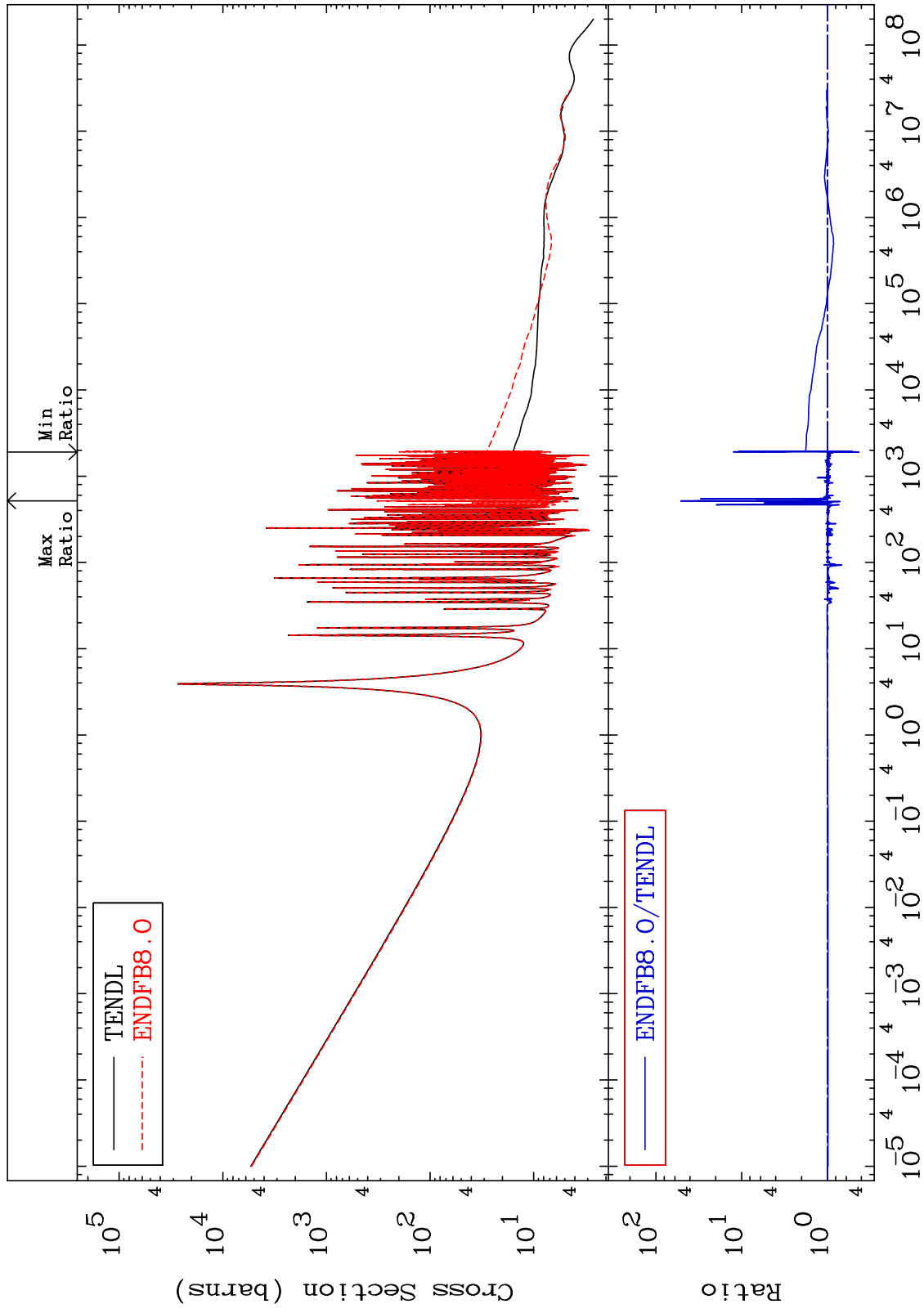
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6925

Total  
Cross Section

69-Tm-169  
-57.28 To 5037. %



1

Incident Energy (eV)

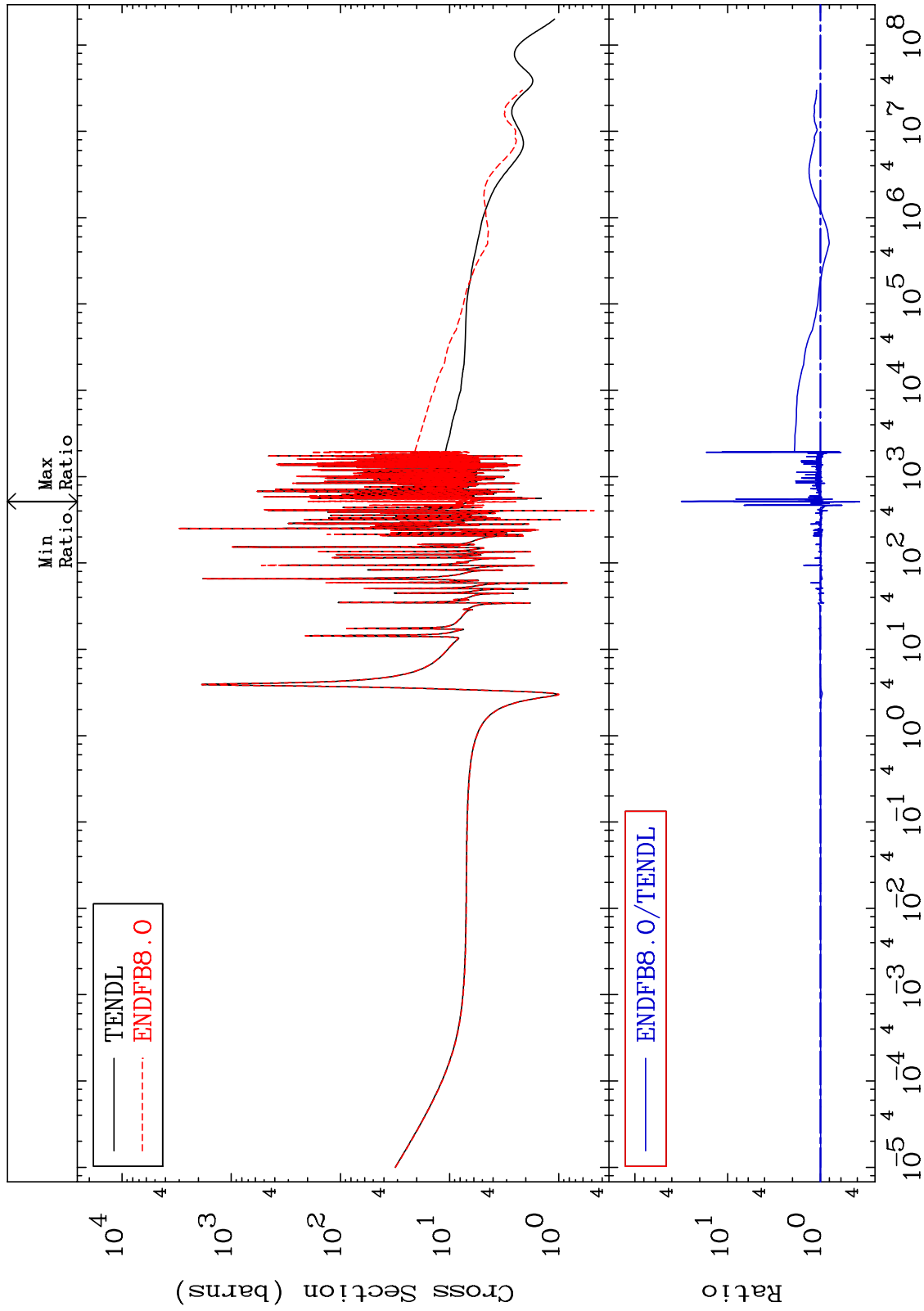
69-Tm-169

MAT 6925

Elastic  
Cross Section

69-Tm-169

-62.29 To 3060. %

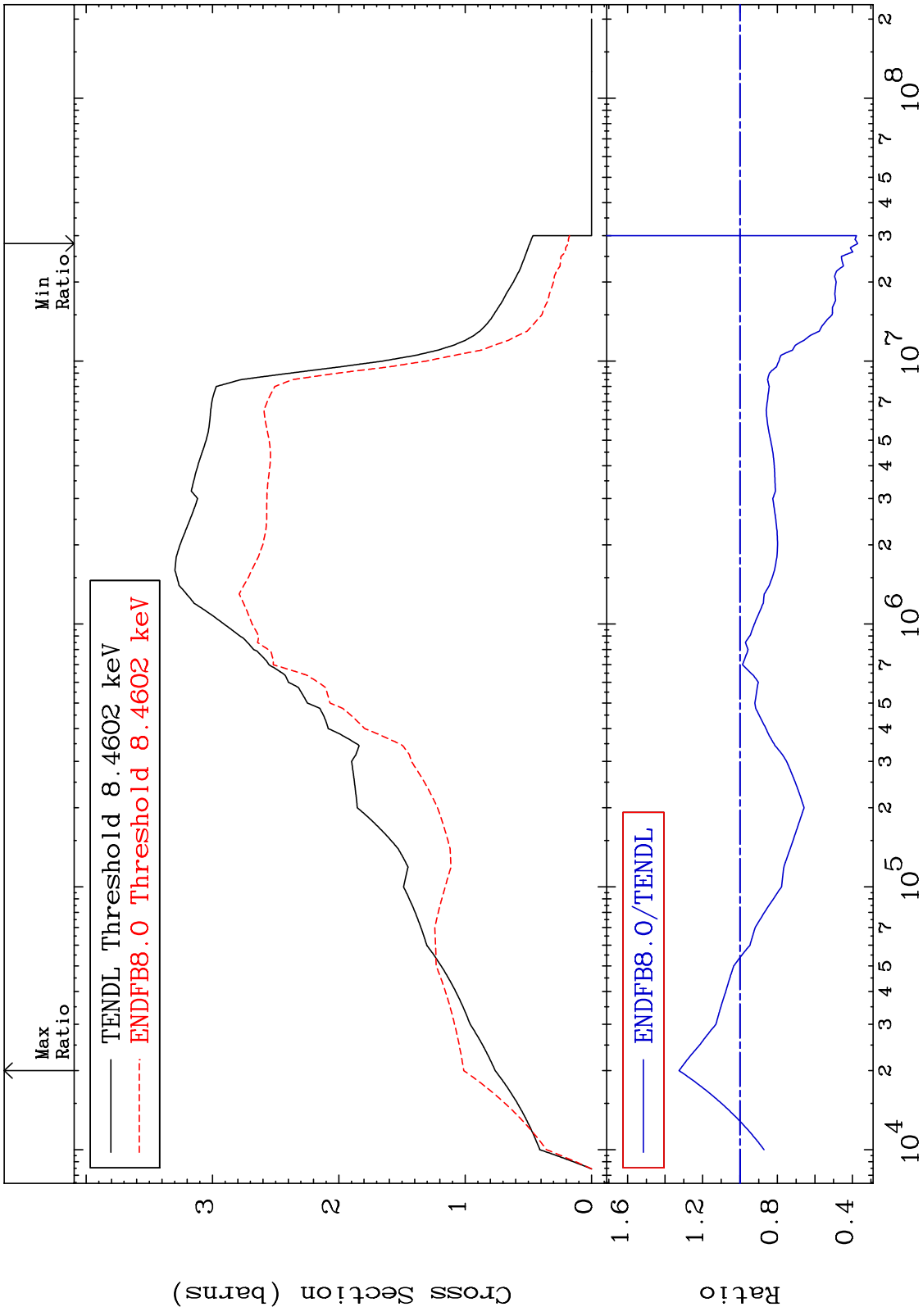


2

Incident Energy (eV)

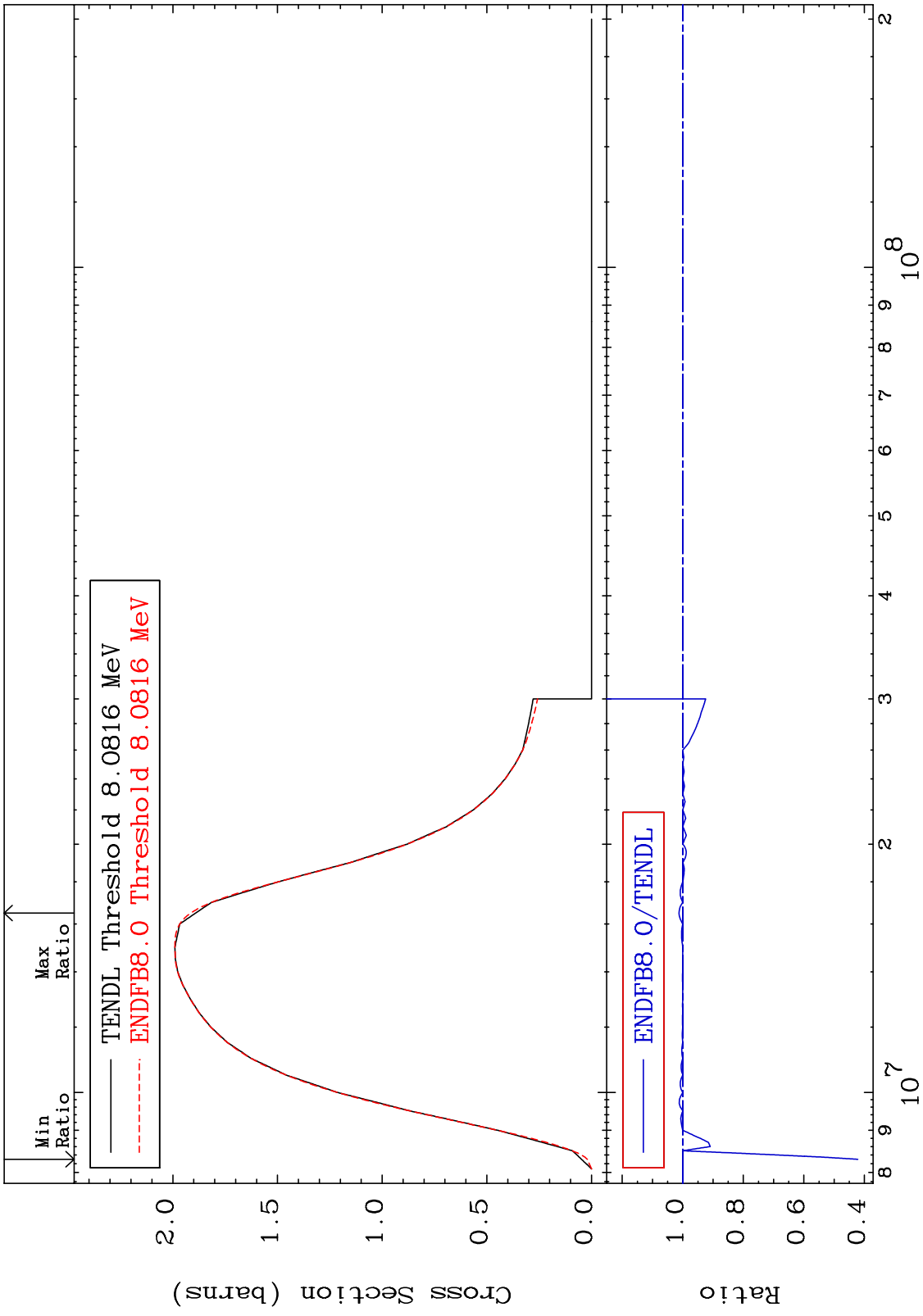
69-Tm-169

MAT 6925 Inelastic Cross Section 69-Tm-169 -62.96 To 32.54 %

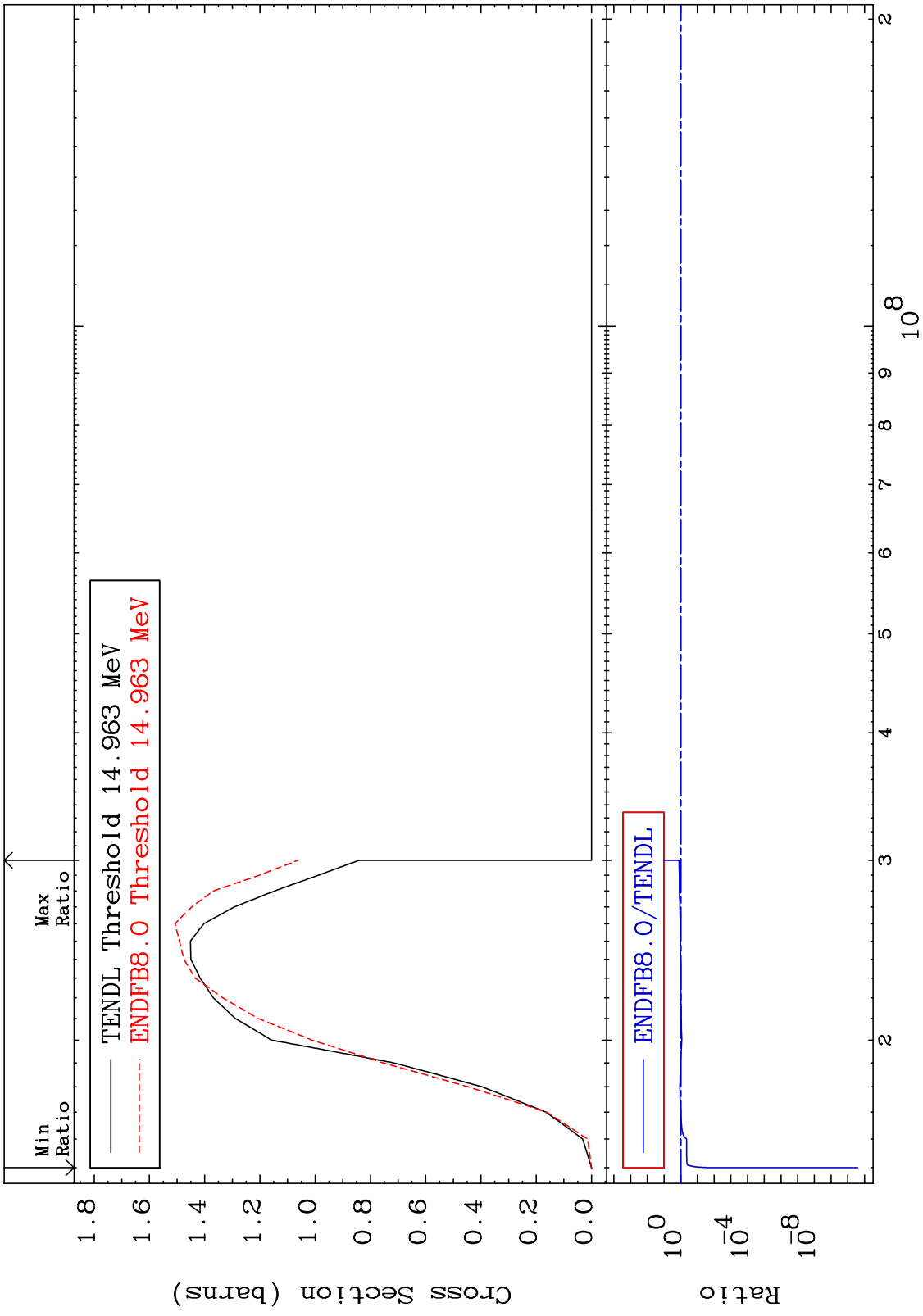


69-Tm-169 Incident Energy (eV) 69-Tm-169

MAT 6925 (n,2n) Cross Section 69-Tm-169 -57.81 To 1.235 %



MAT 6925 (n,3n) Cross Section 69-Tm-169 -100.0 To 26.34 %



MAT 6925

(n, n')  $\alpha$

69-Tm-169

Cross Section

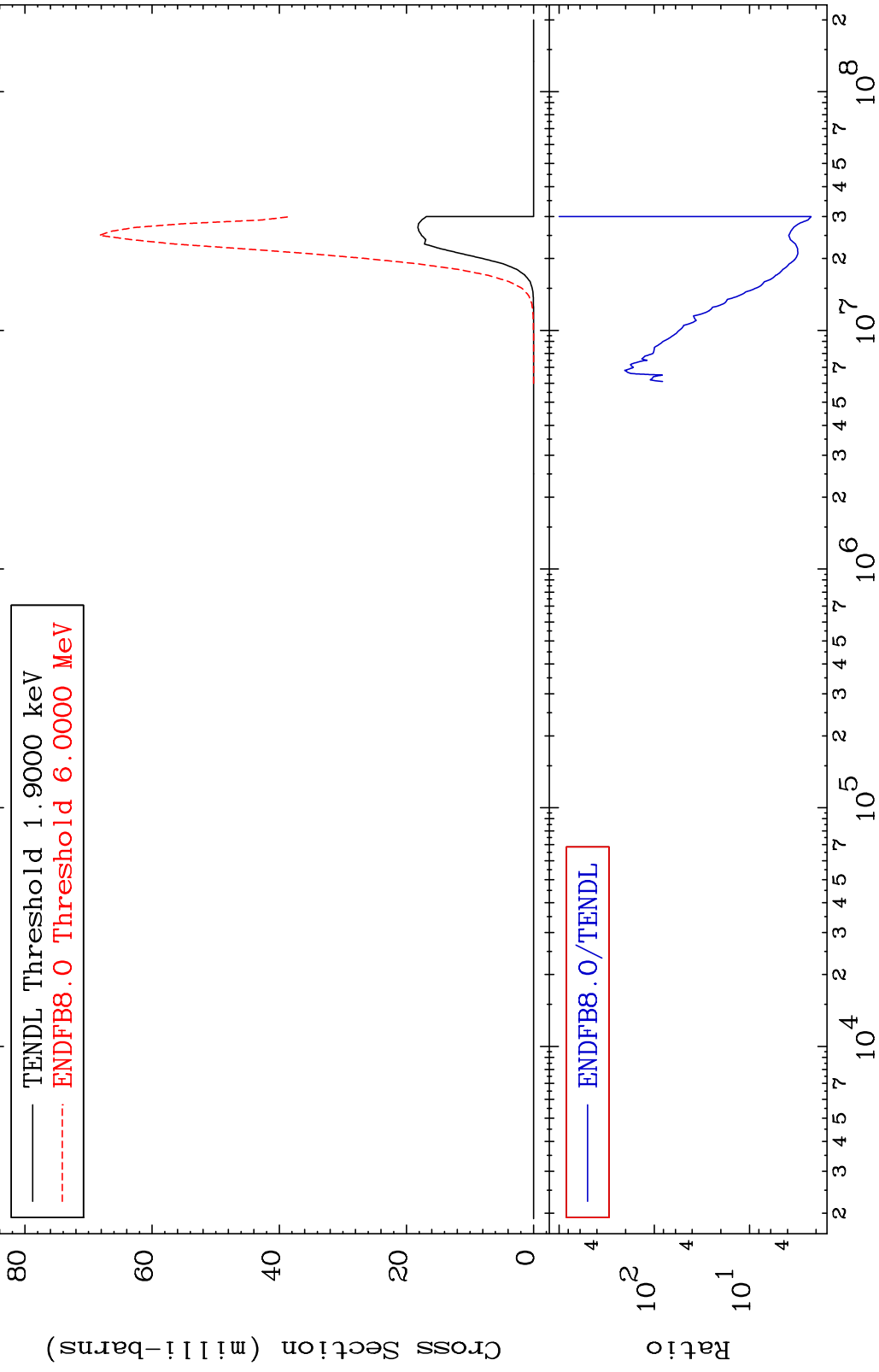
126.0 To 9999. %

Max Ratio

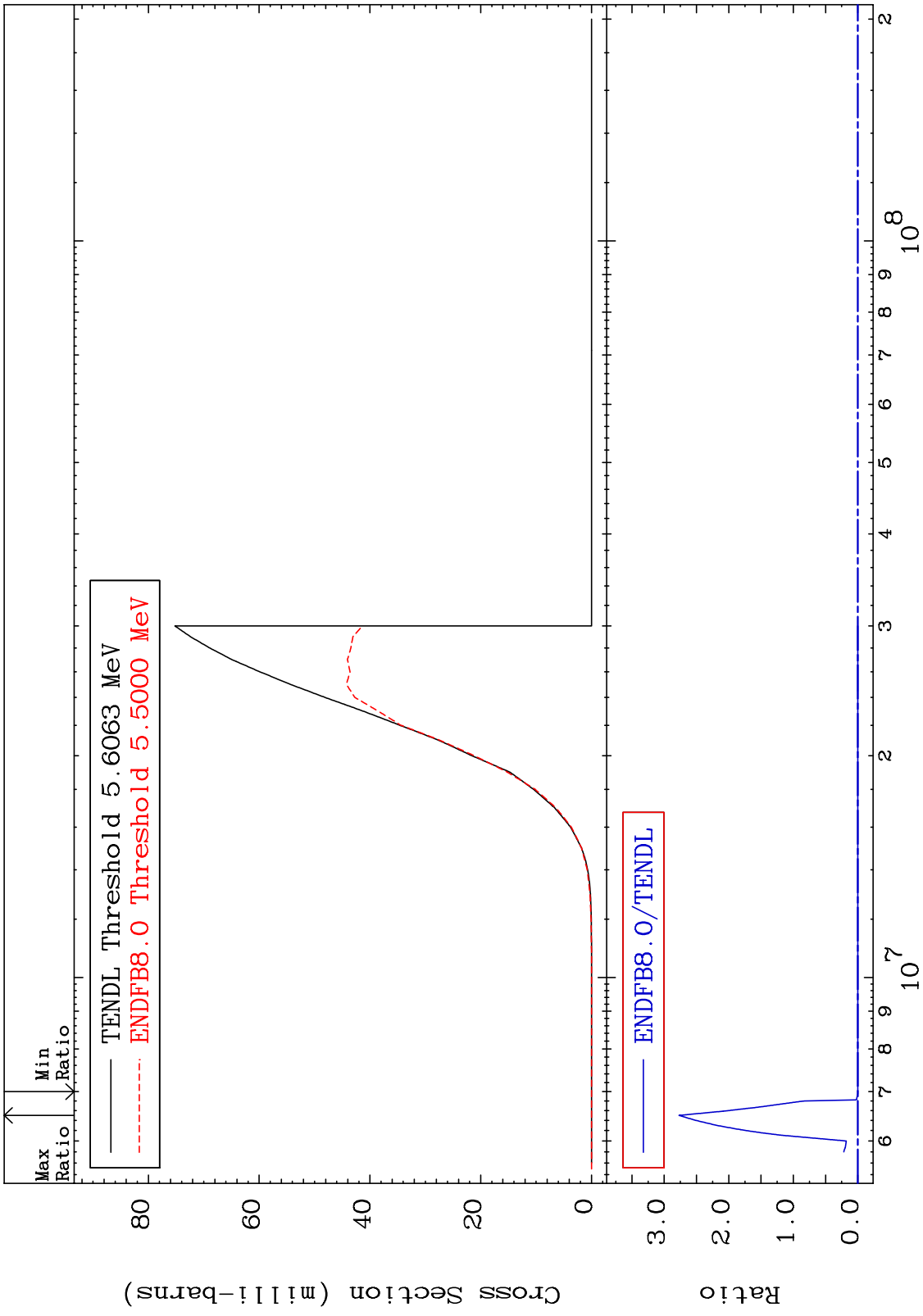
Min Ratio

TENDL Threshold 1.9000 keV  
ENDFB8.0 Threshold 6.0000 MeV

ENDFB8.0/TENDL



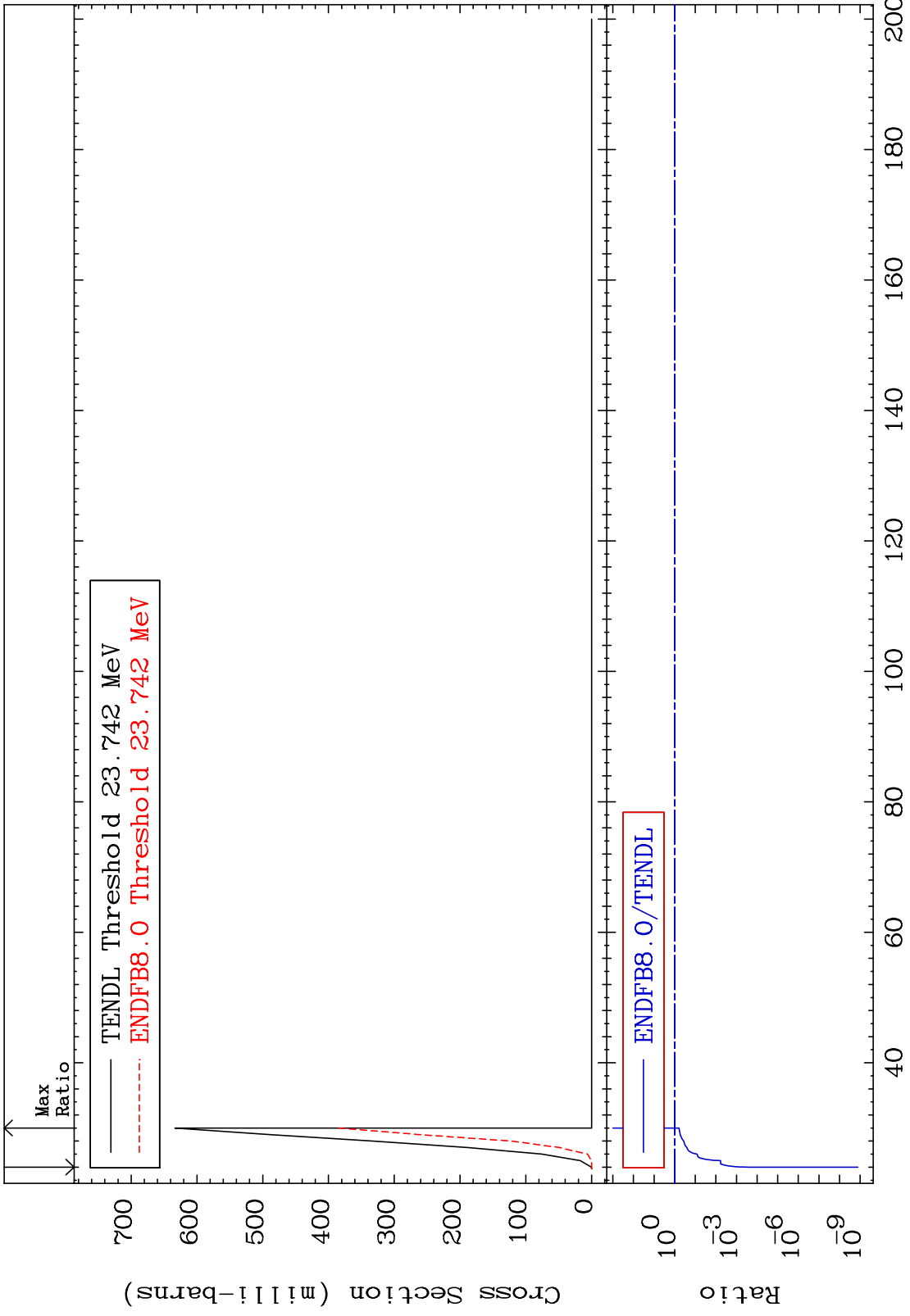
MAT 6925 (n,n') p 69-Tm-169  
 Cross Section -100.0 To 9999. %

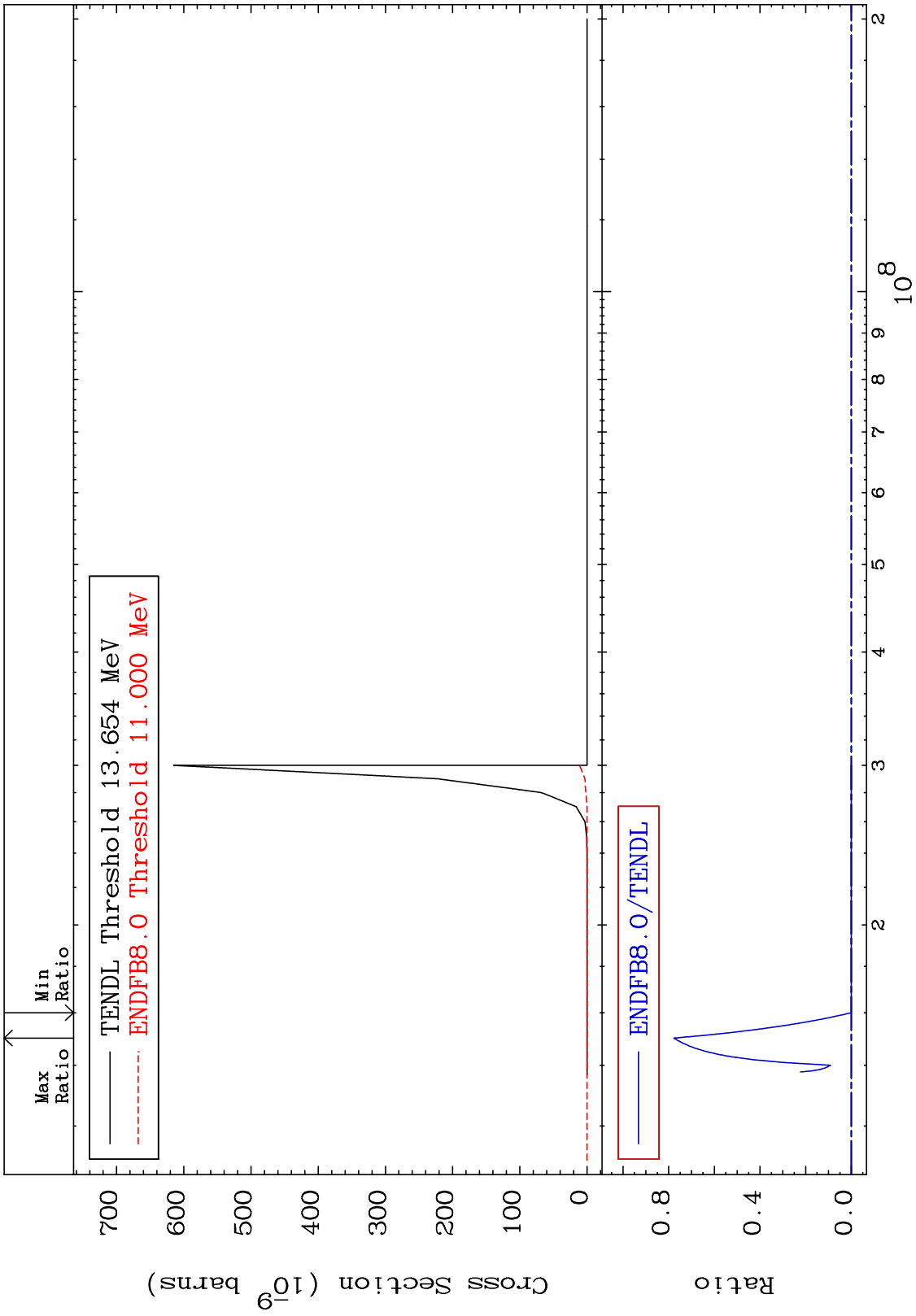


7 Incident Energy (eV) 69-Tm-169

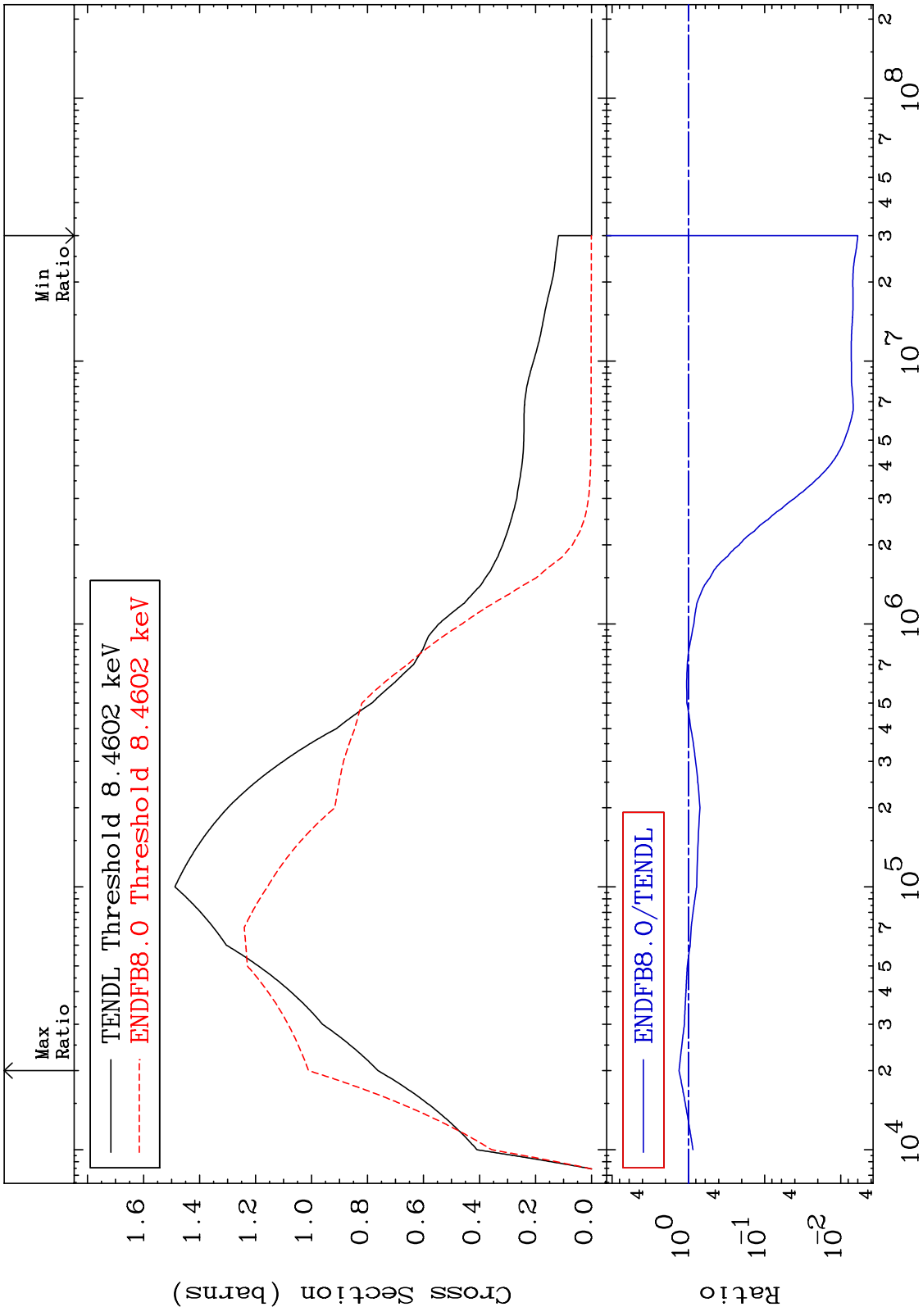


MAT 6925 (n,4n) Cross Section 69-Tm-169 -100.0 To -39.37%



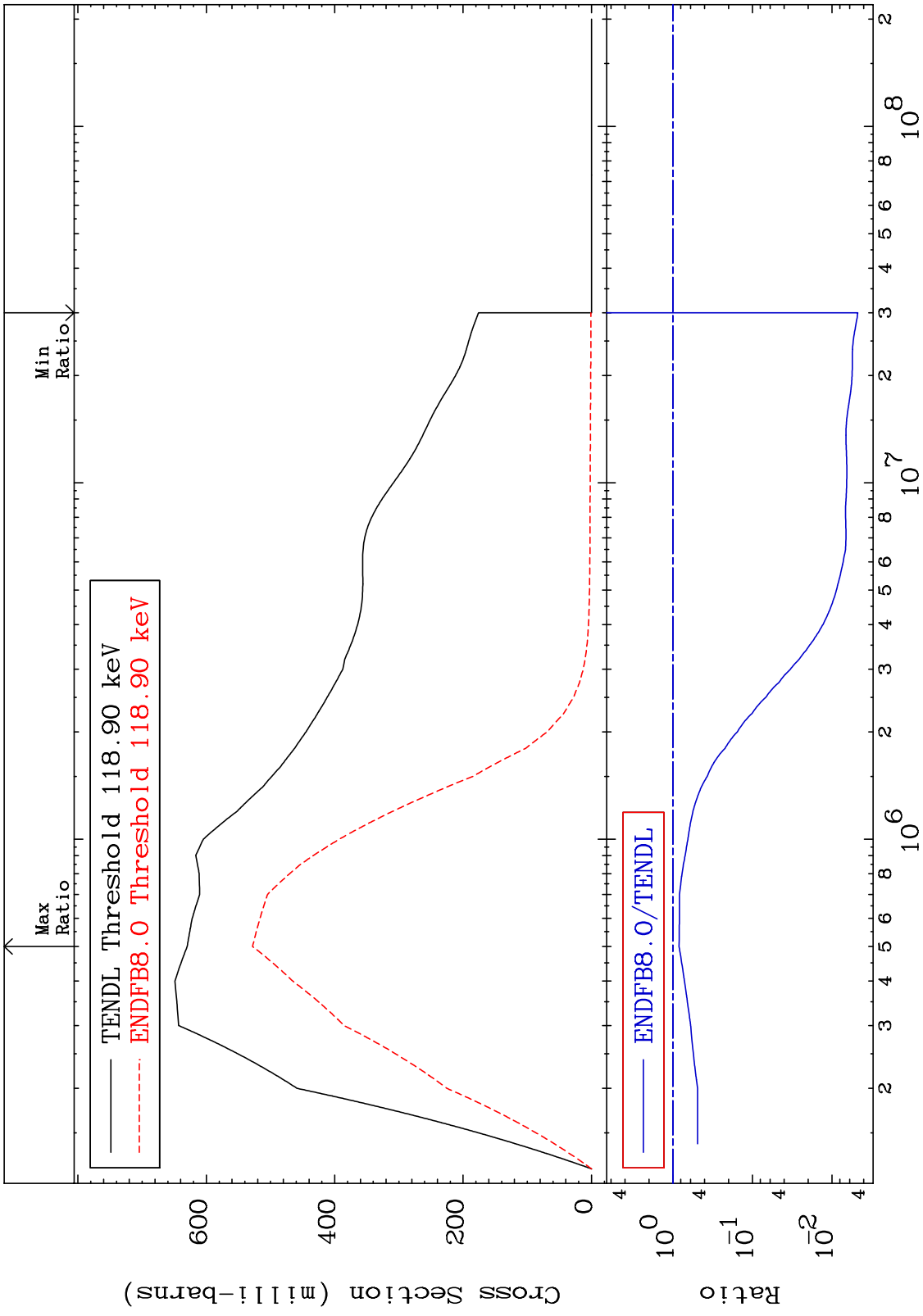


MAT 6925      MT= 51 (n,n') Level Cross Section      69-Tm-169  
 -99.40 To 32.54 %

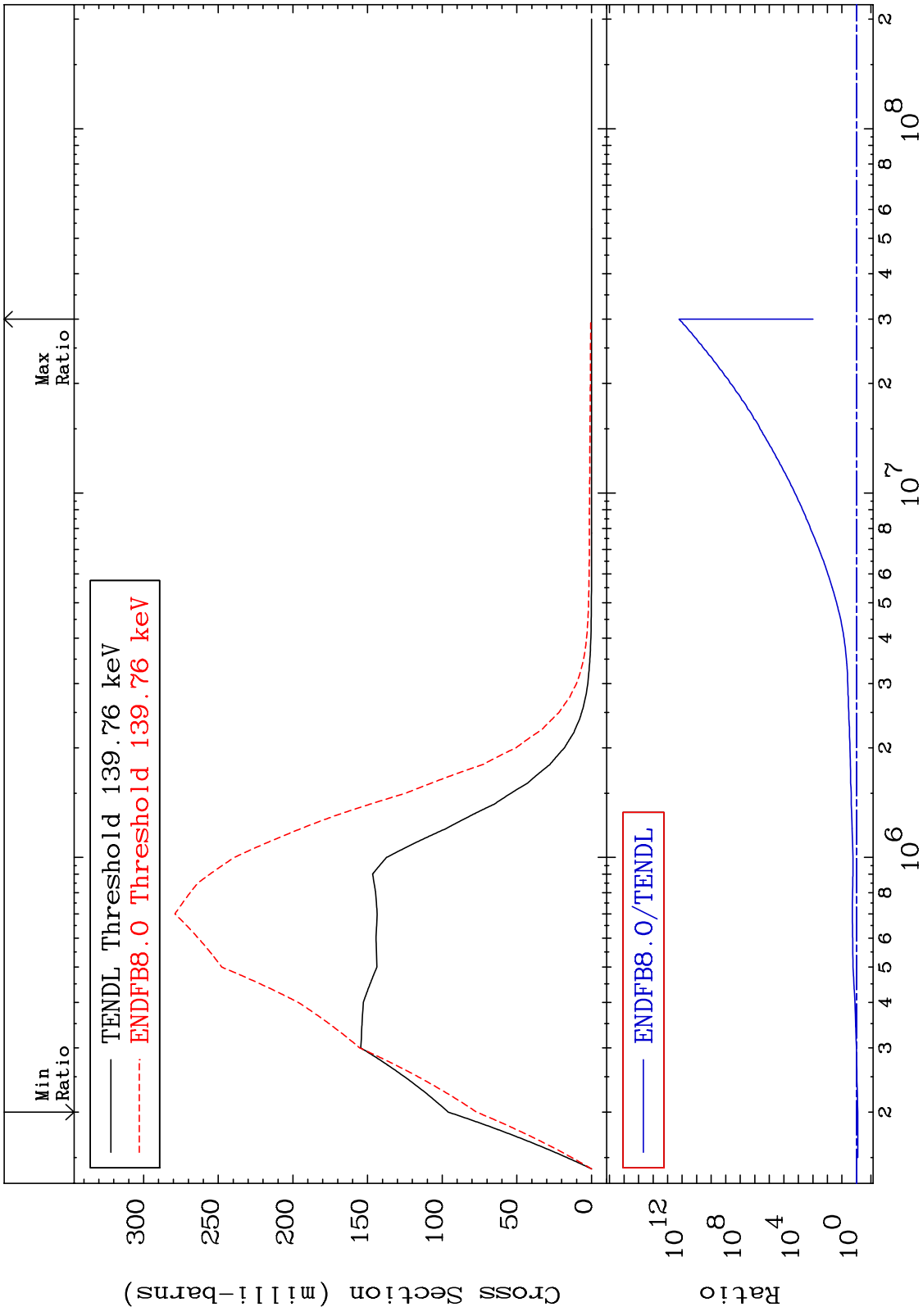


Incident Energy (eV)      69-Tm-169

MAT 6925 MT= 52 (n,n') Level Cross Section 69-Tm-169 -99.53 To -16.17%

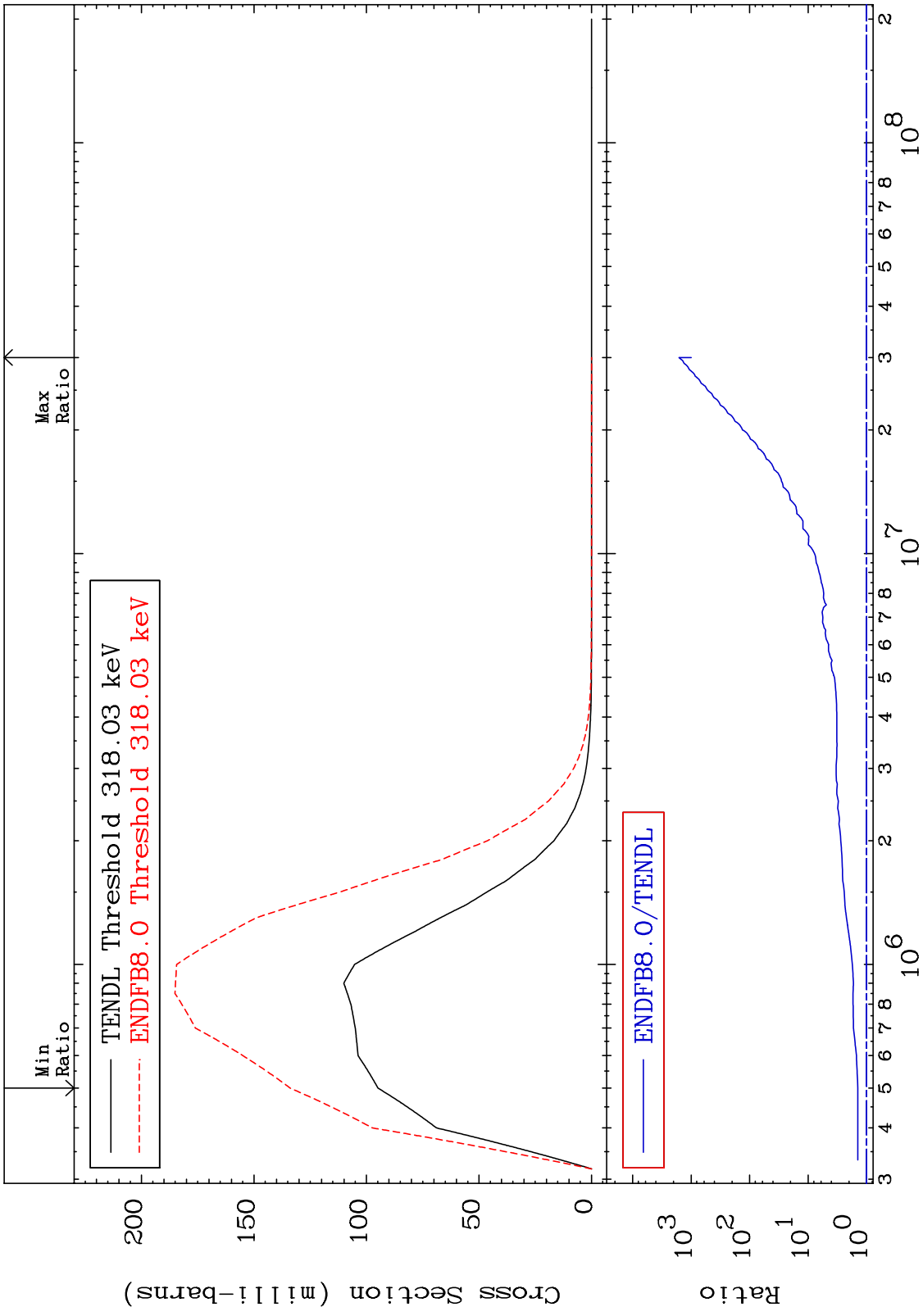


MAT 6925 MT= 53 (n,n') Level Cross Section 69-Tm-169  
 -19.80 To 9999. %

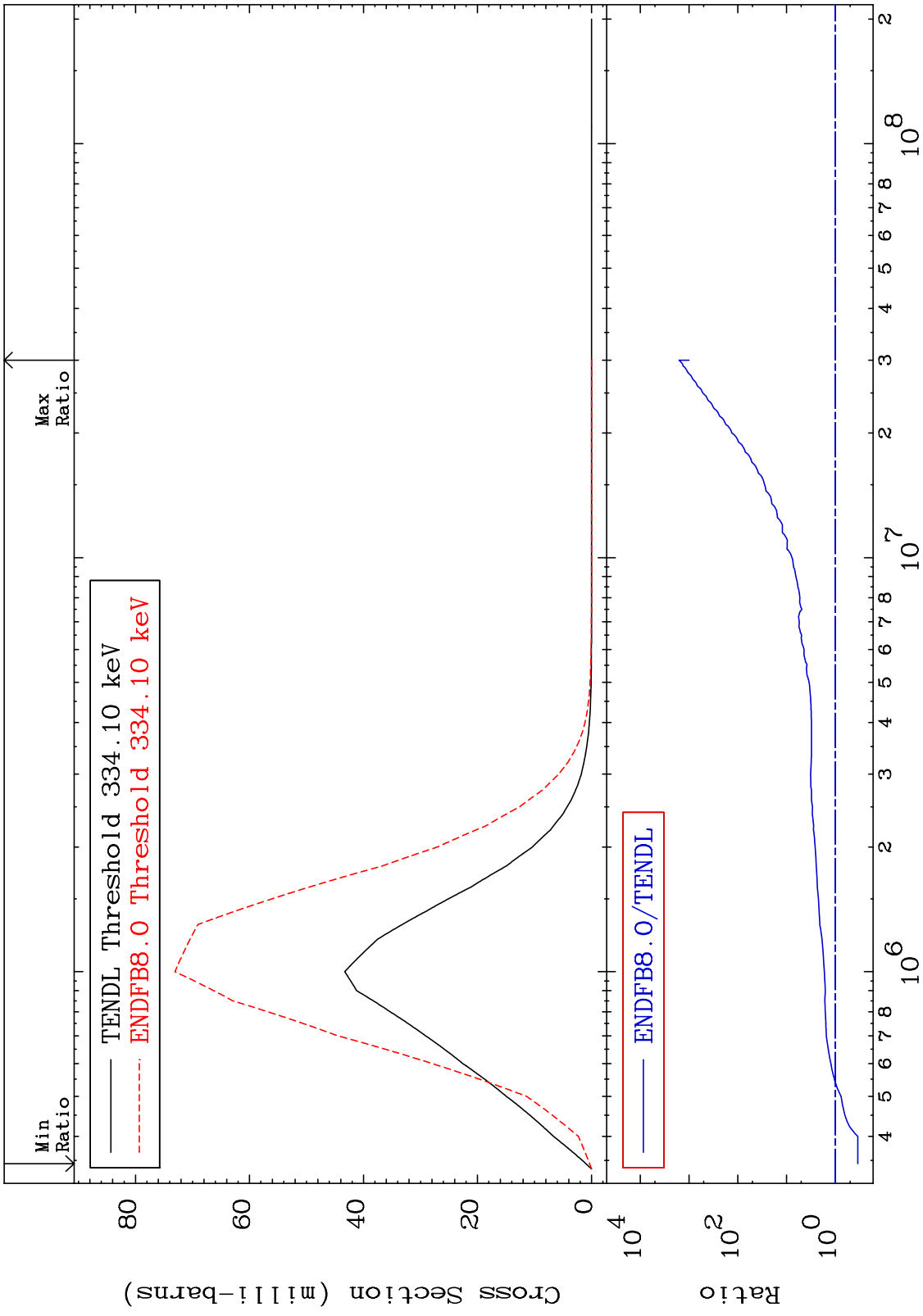


12 69-Tm-169

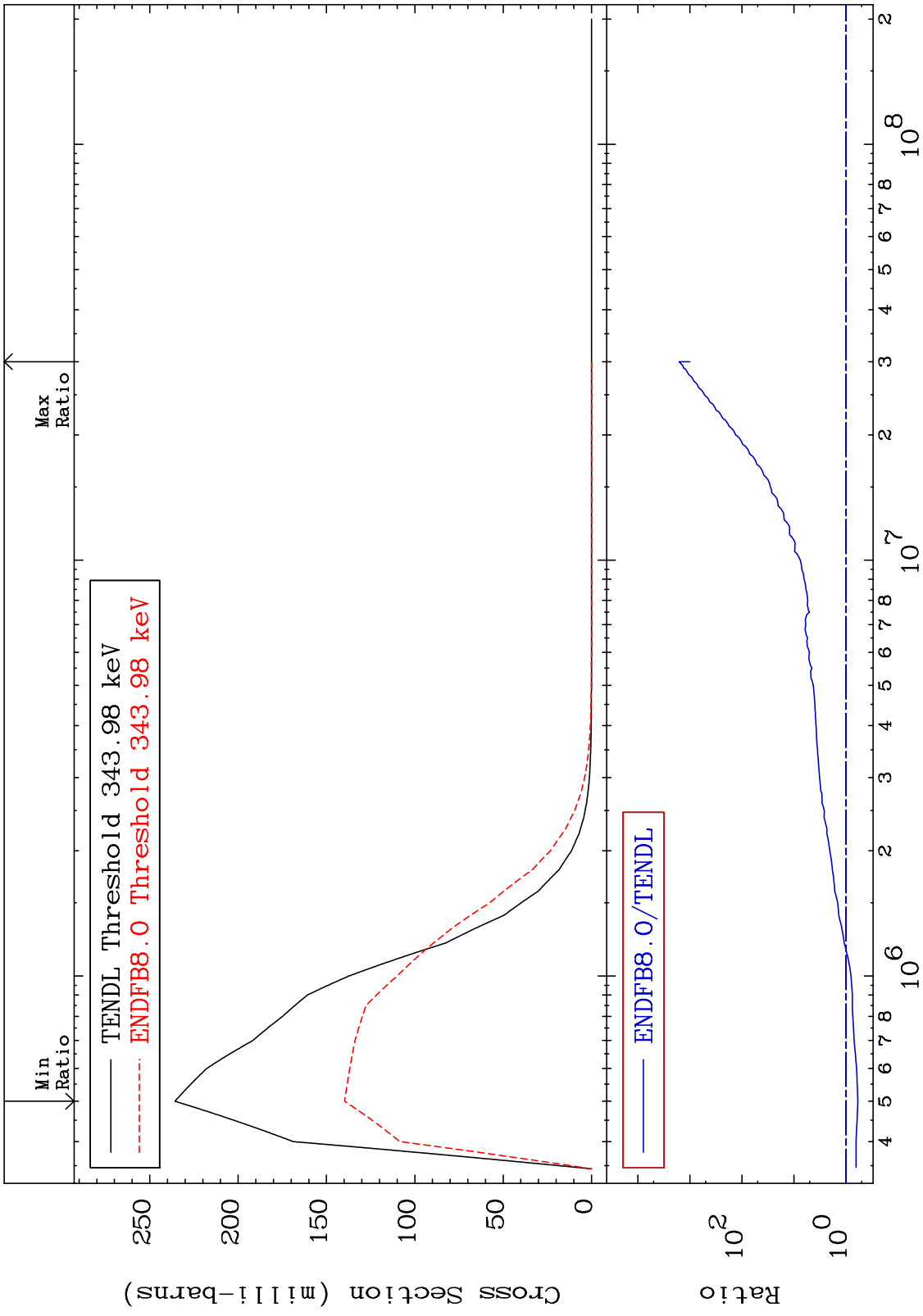
MAT 6925      MT= 54 (n,n') Level Cross Section      69-Tm-169  
 41.12 To 9999. %



MAT 6925      MT= 55 (n,n') Level Cross Section      69-Tm-169  
 -65.42 To 9999. %

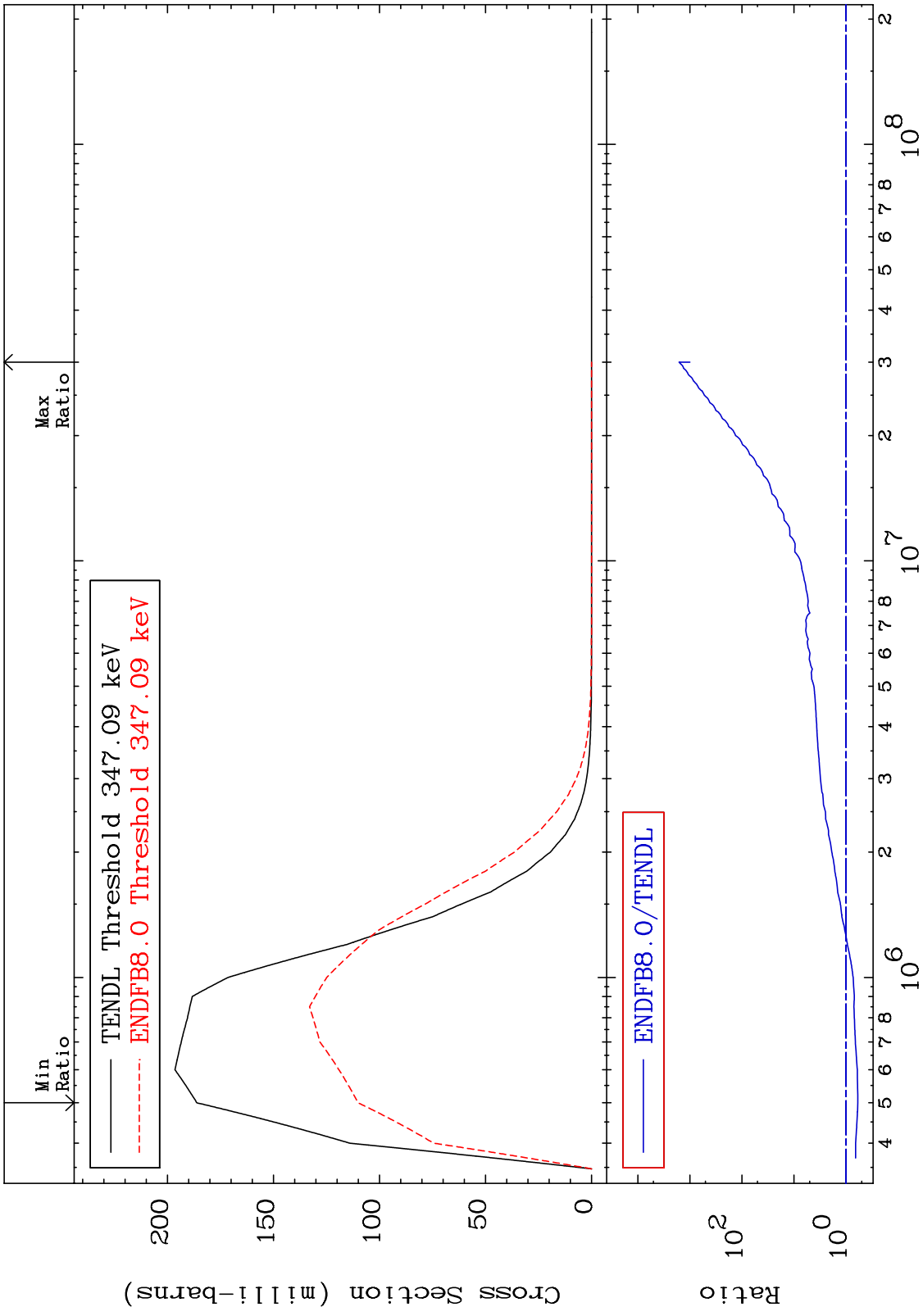


MAT 6925 MT= 56 (n,n') Level Cross Section 69-Tm-169  
 -40.72 To 9999. %

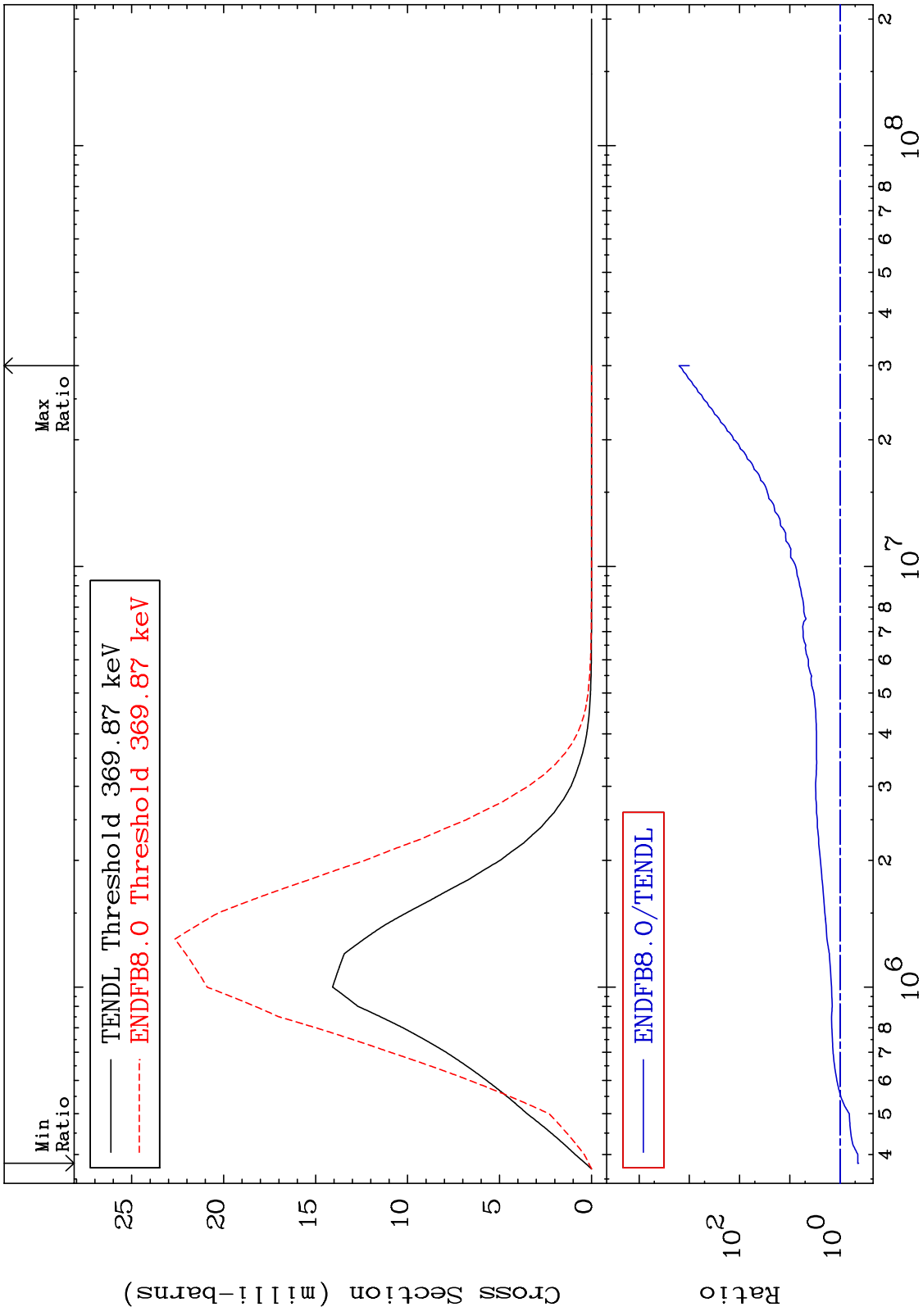




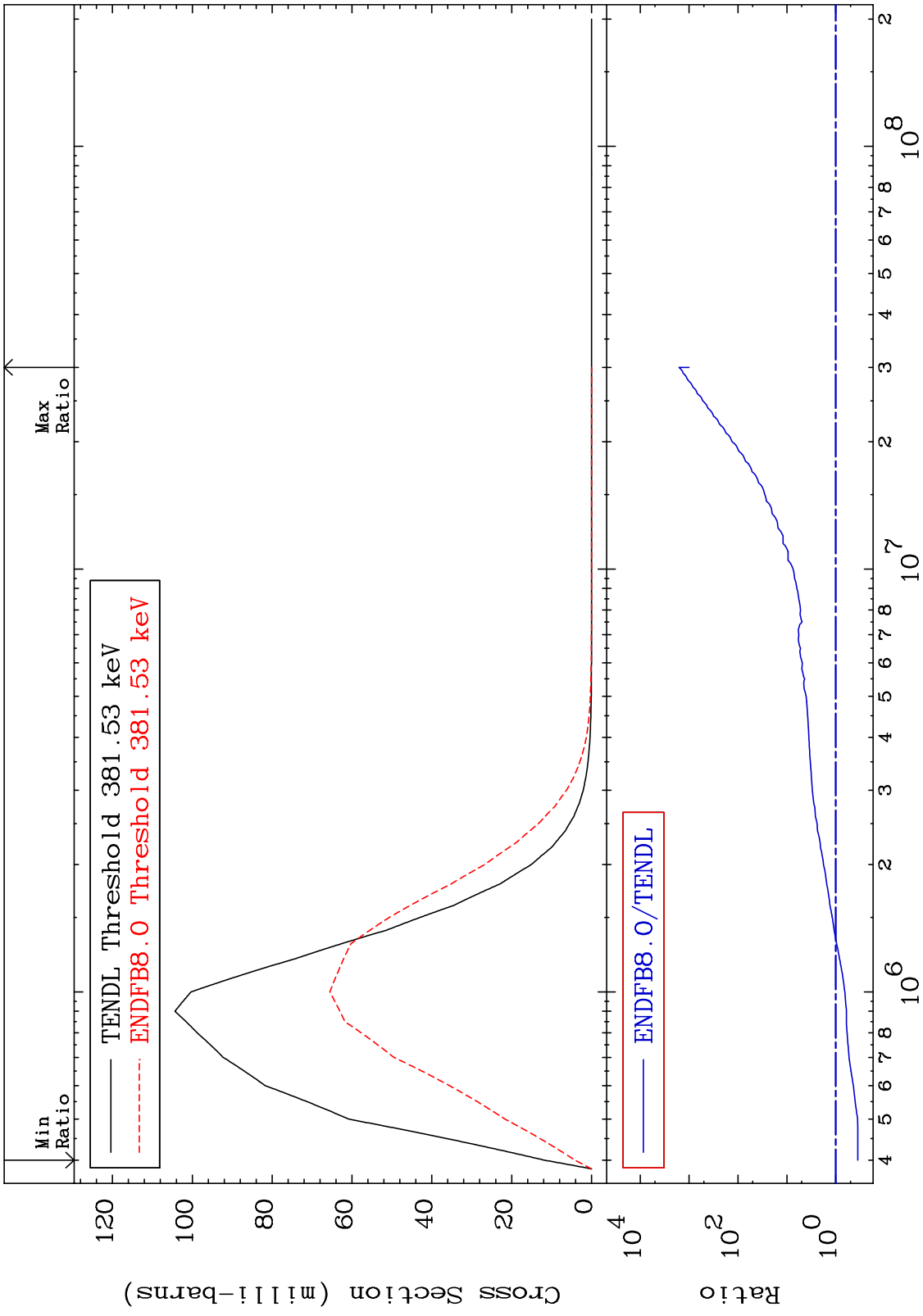
MAT 6925      MT= 57 (n,n') Level Cross Section      69-Tm-169  
 -40.85 To 9999. %



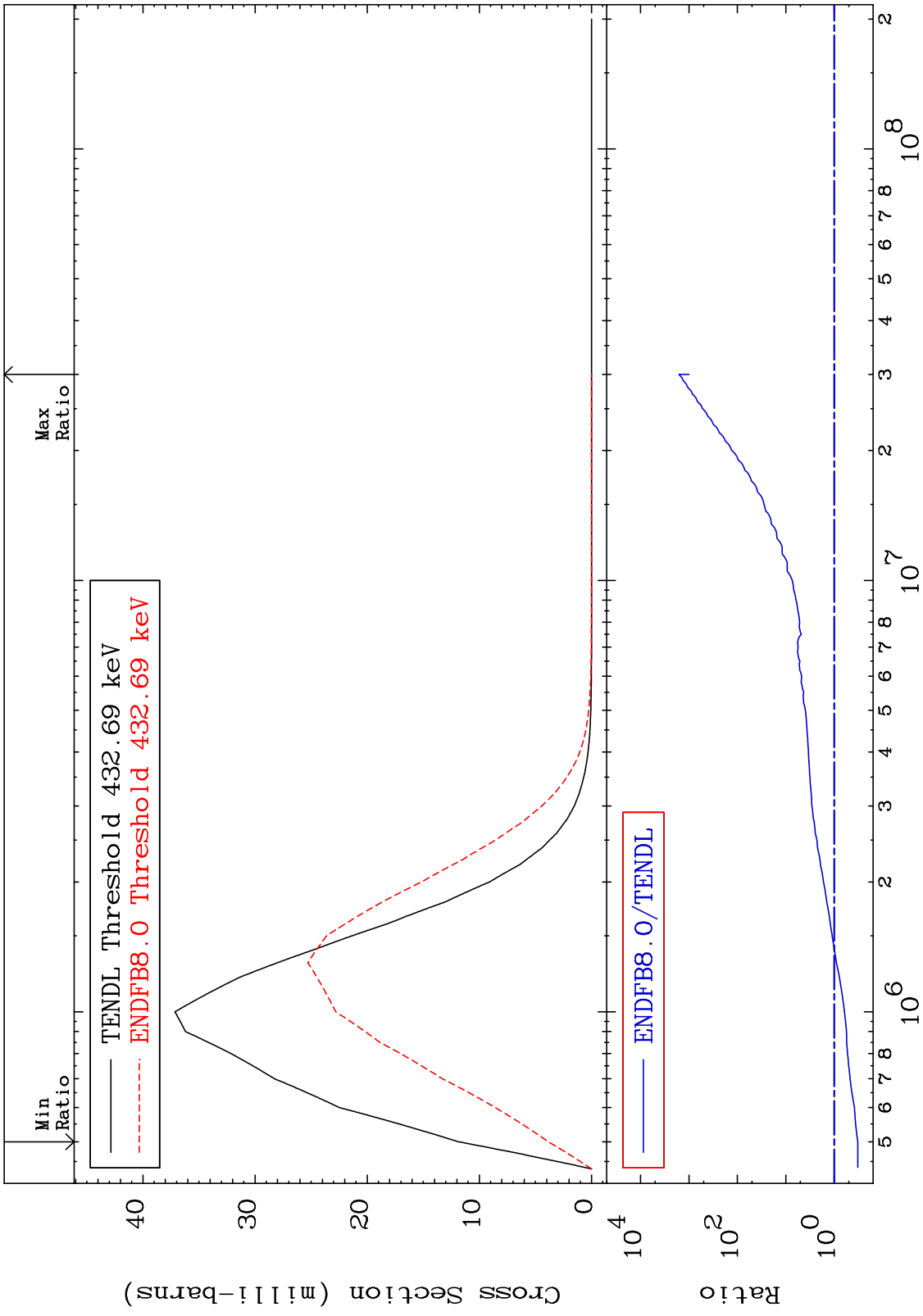
MAT 6925      MT= 58 (n,n') Level Cross Section      69-Tm-169  
 -55.58 To 9999. %



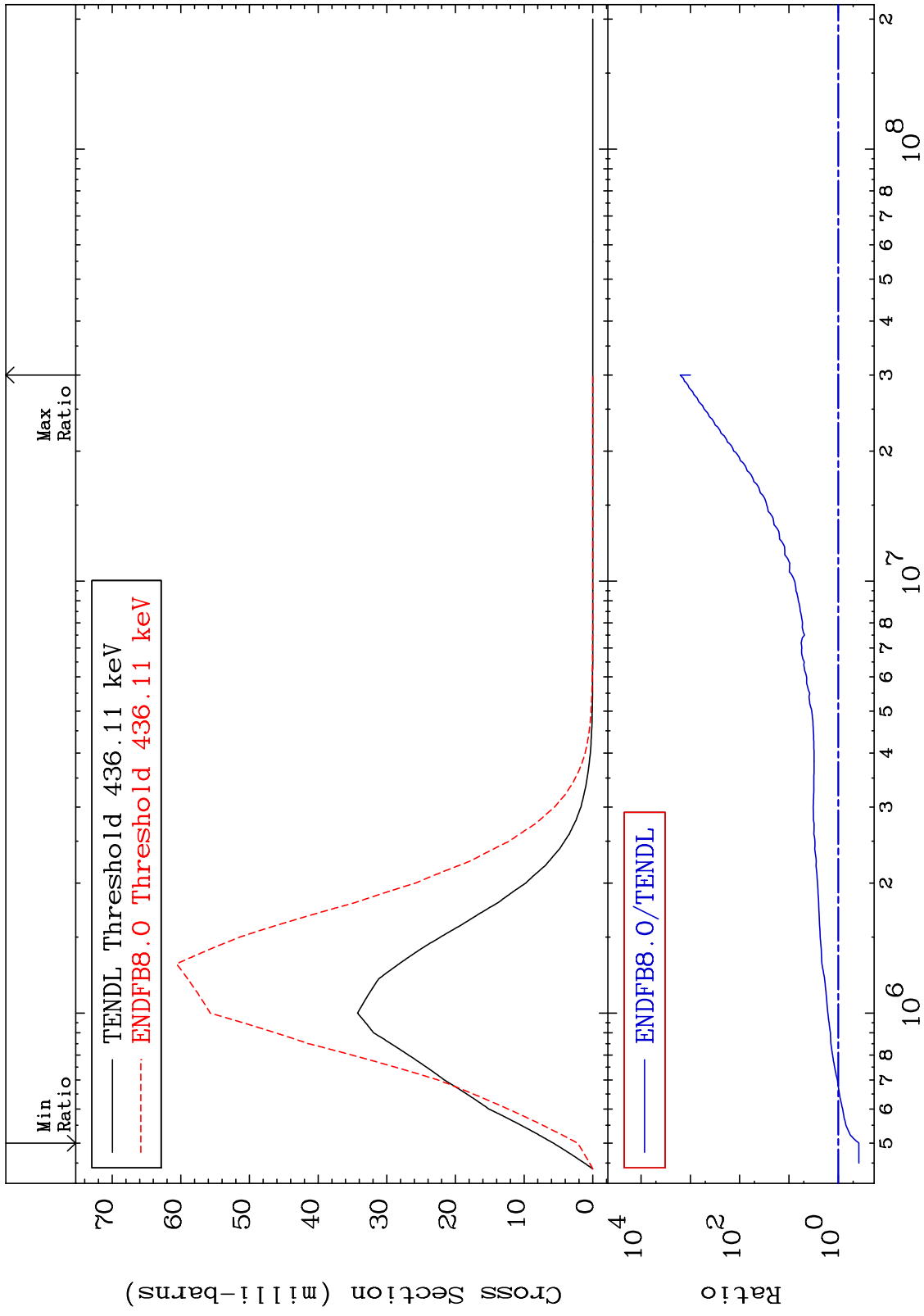
MAT 6925 MT= 59 (n,n') Level Cross Section 69-Tm-169 -64.65 To 9999. %



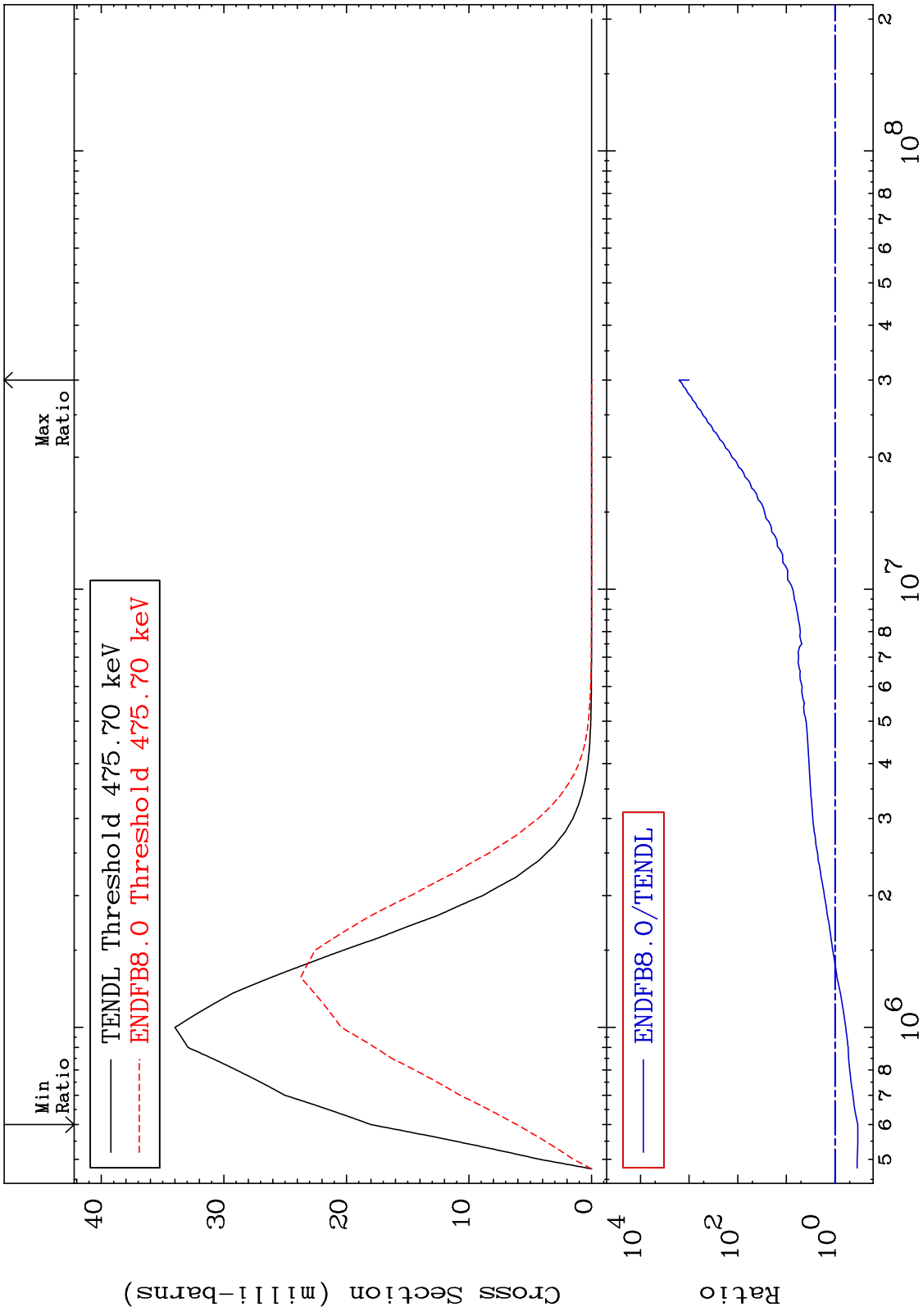
MAT 6925      MT= 60 (n,n') Level      69-Tm-169  
 Cross Section      -67.48 To 9999. %



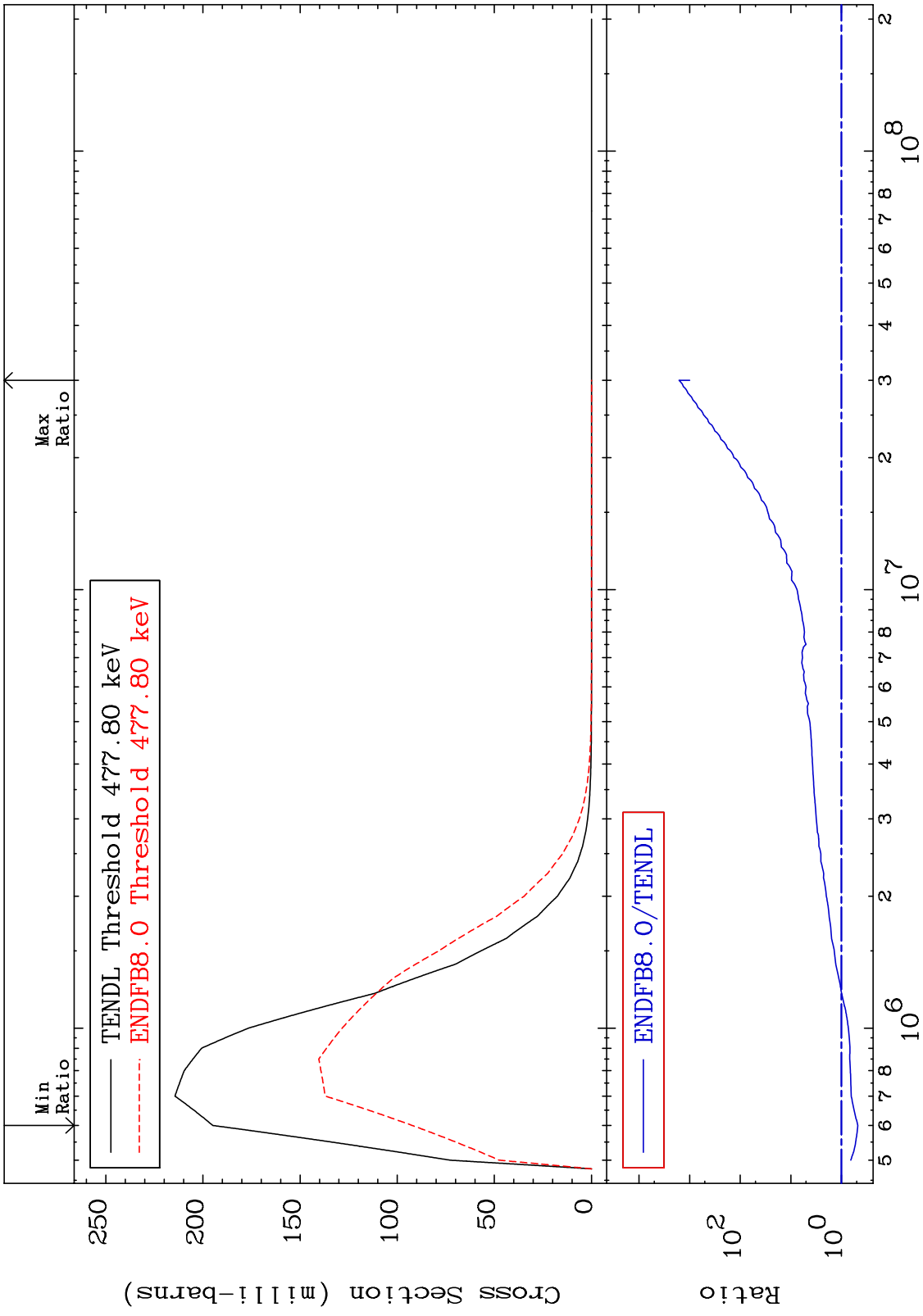
MAT 6925      MT= 61 (n,n') Level      69-Tm-169  
 Cross Section      -61.83 To 9999. %



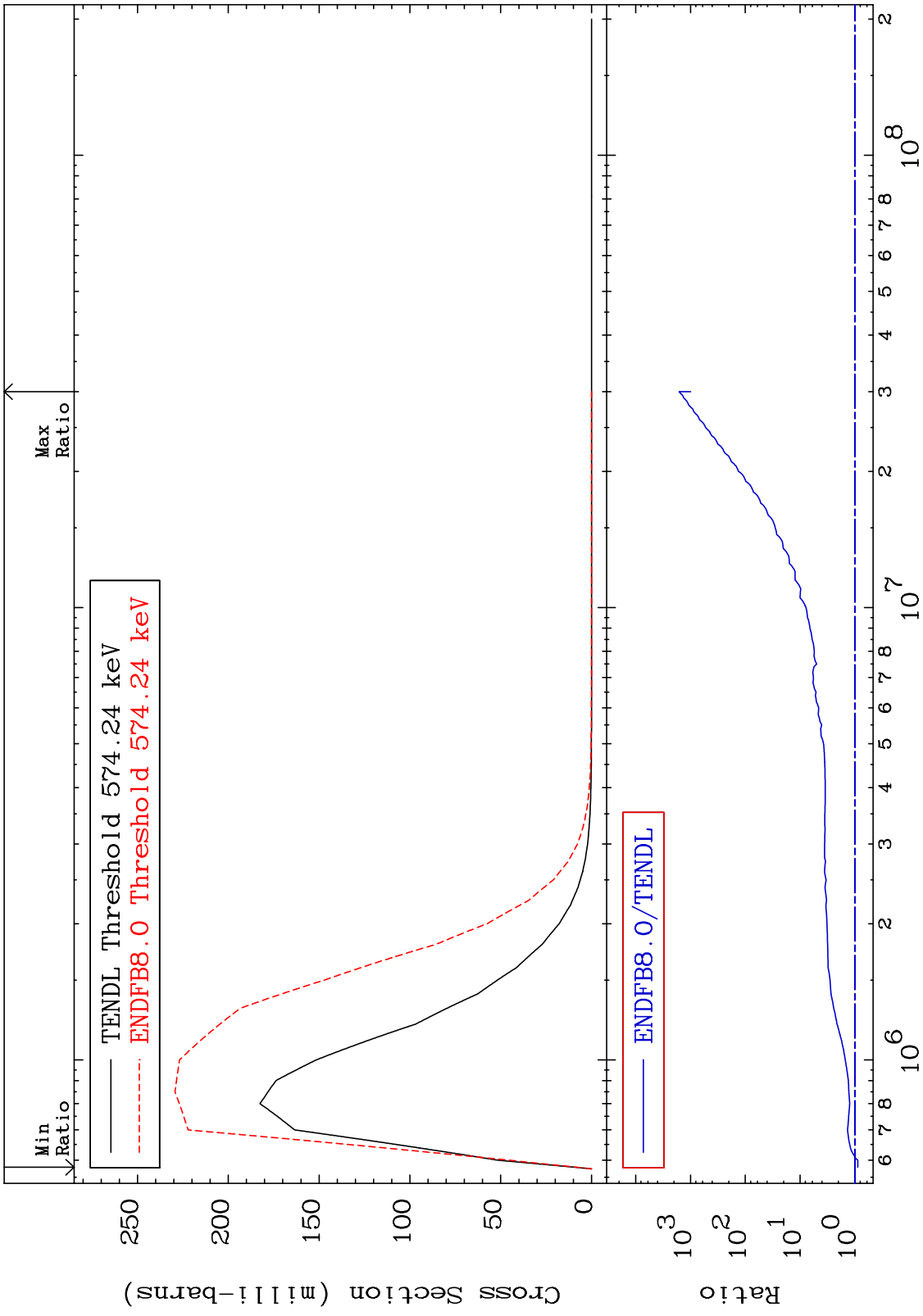
MAT 6925 MT= 62 (n,n') Level Cross Section 69-Tm-169 -66.11 To 9999. %



MAT 6925 MT= 63 (n,n') Level Cross Section 69-Tm-169  
 -52.66 To 9999. %

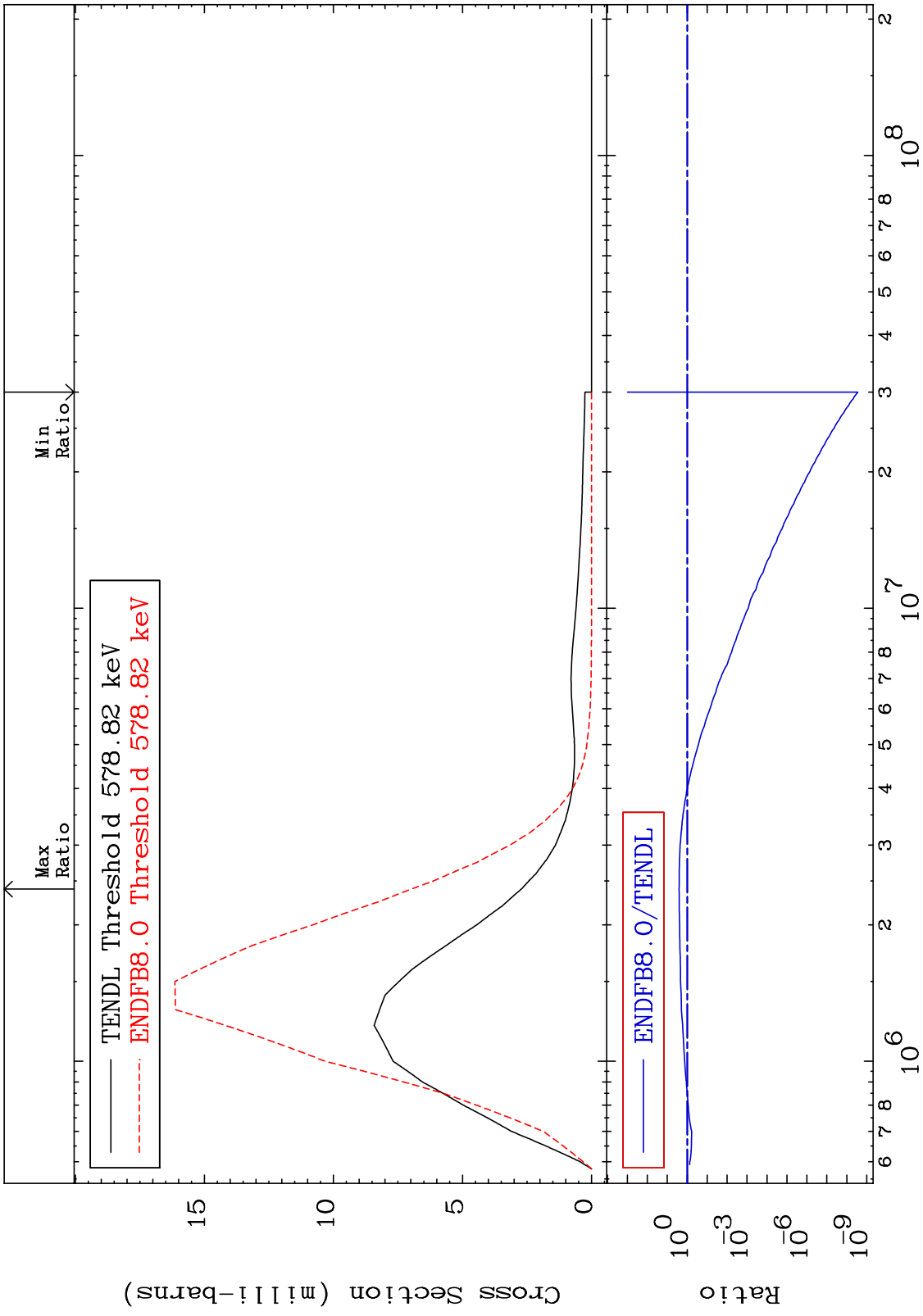


MAT 6925 MT= 64 (n,n') Level Cross Section 69-Tm-169  
 -11.67 To 9999. %

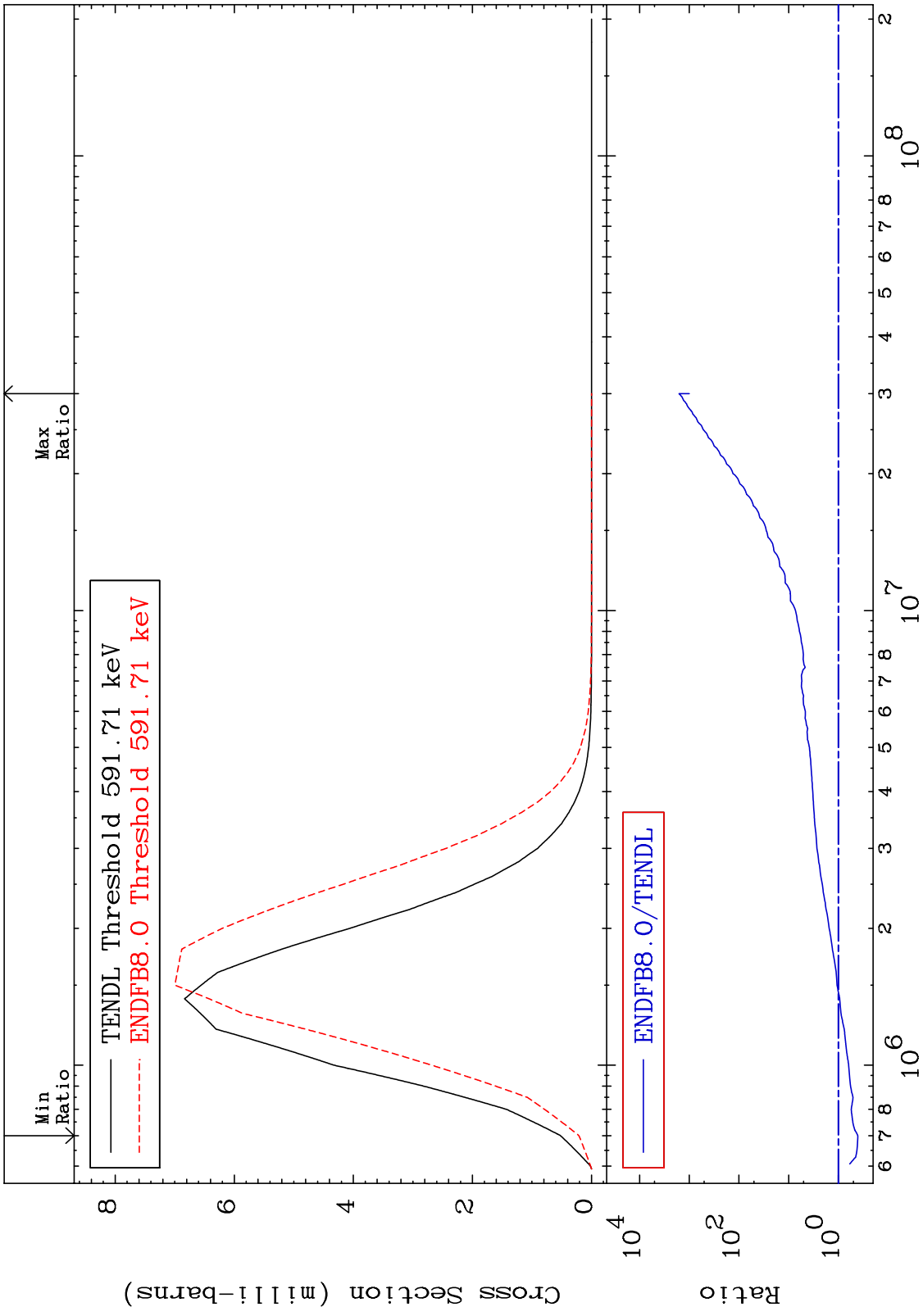




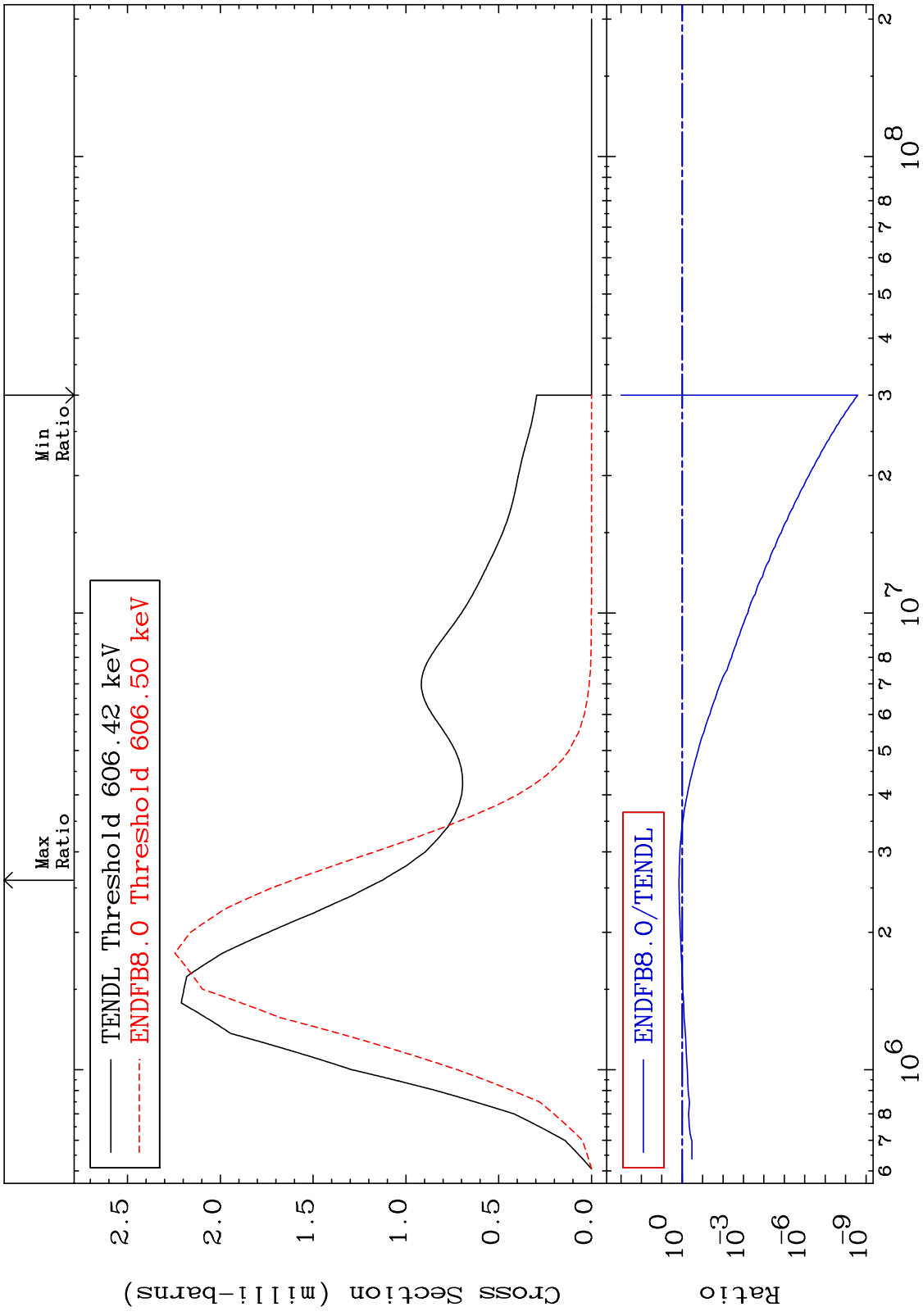
MAT 6925 MT= 65 (n,n') Level Cross Section 69-Tm-169  
 -100.0 To 157.0 %



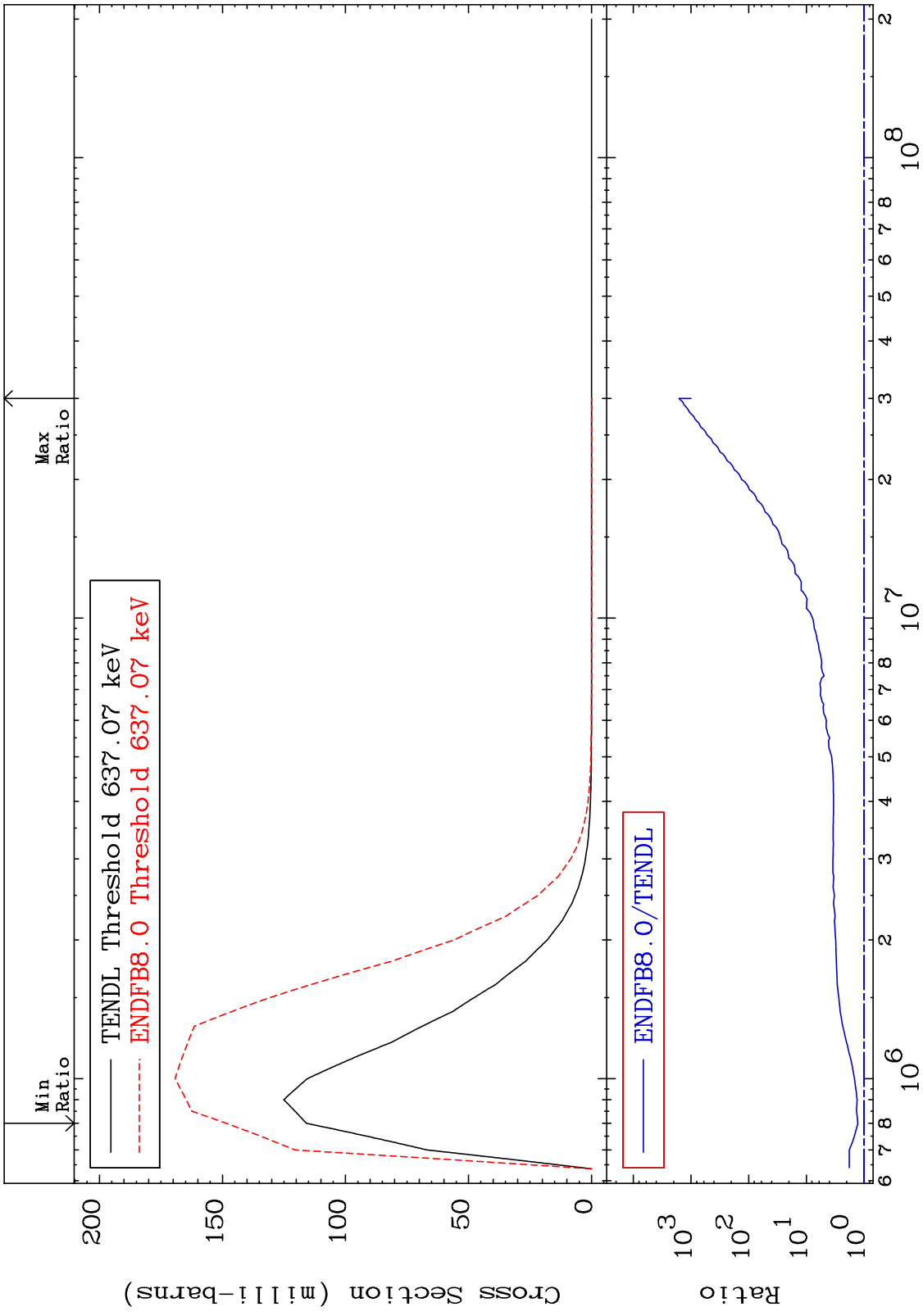
MAT 6925      MT= 66 (n,n') Level      69-Tm-169  
 Cross Section      -59.31 To 9999. %



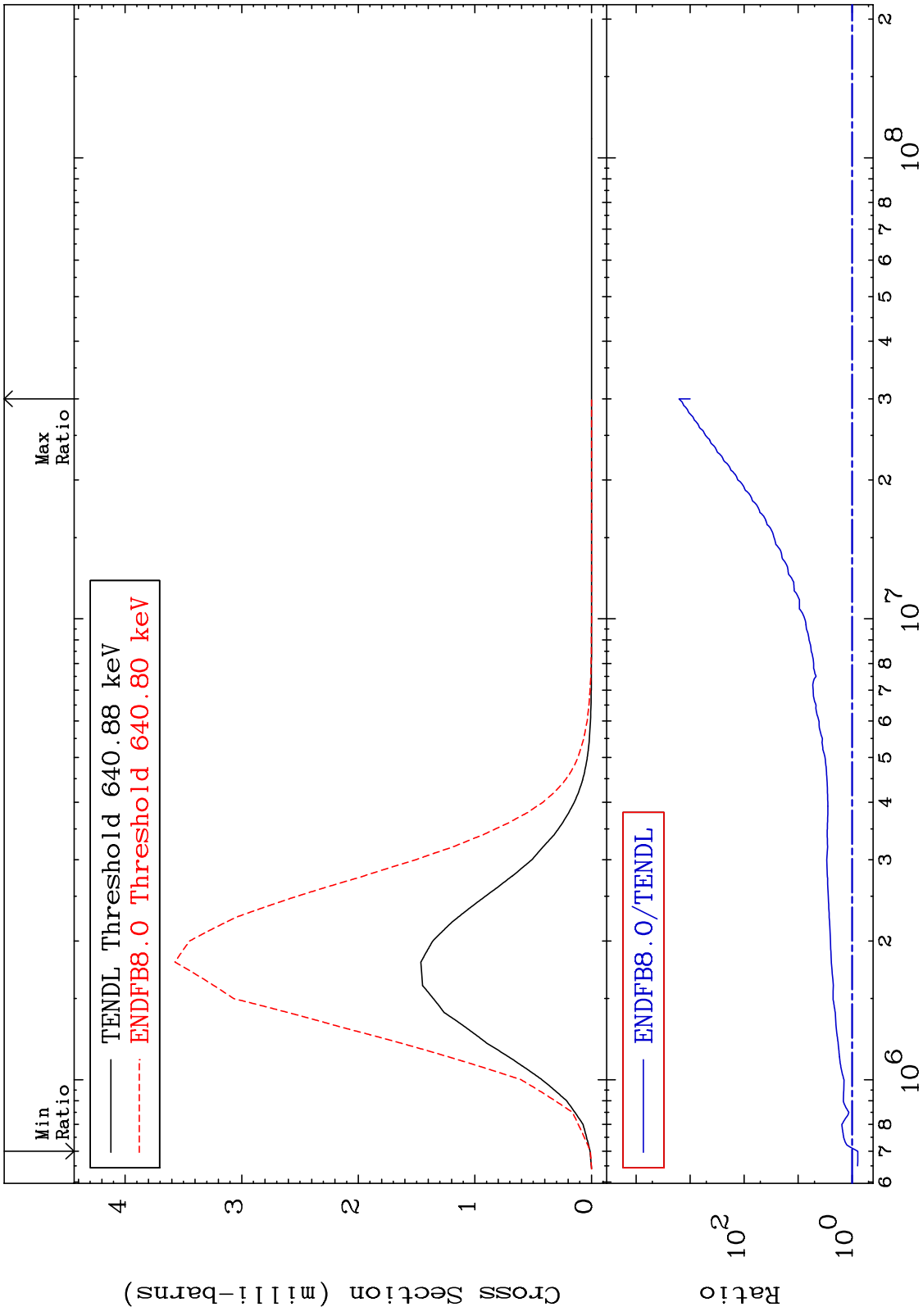
MAT 6925 MT= 67 (n,n') Level Cross Section 69-Tm-169 -100.0 To 42.90 %



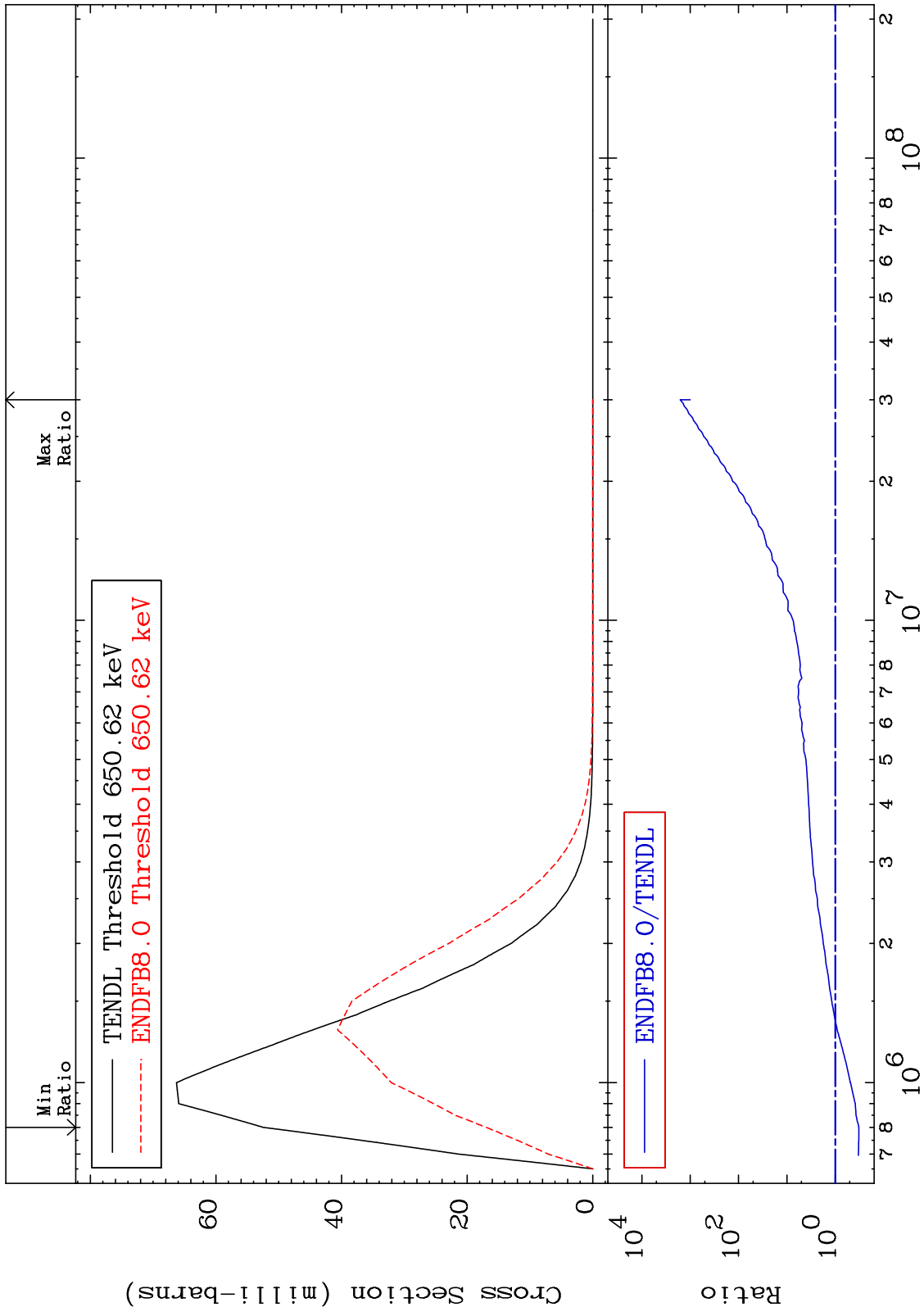
MAT 6925      MT= 68 (n,n') Level Cross Section      69-Tm-169  
 28.11 To 9999. %



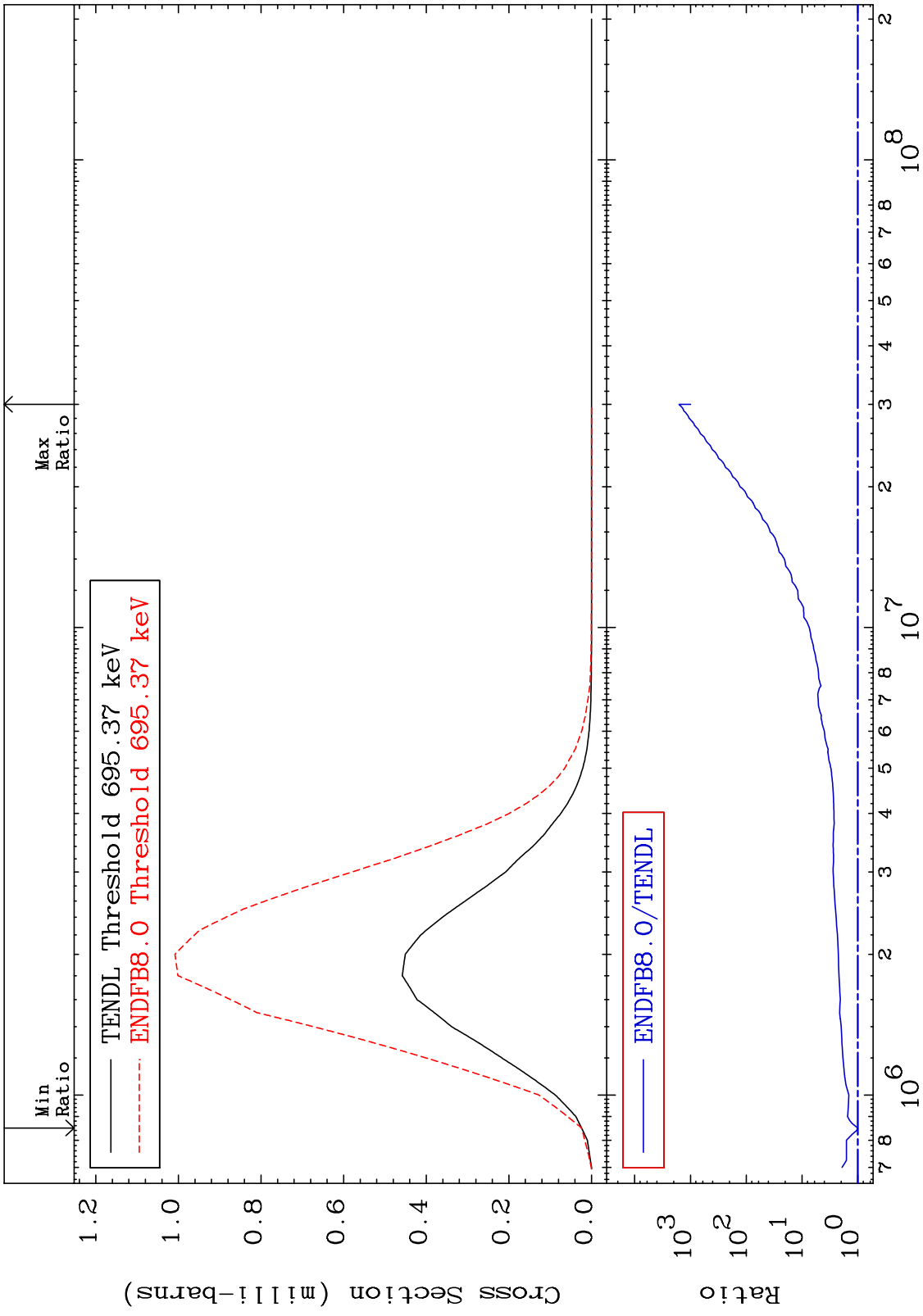
MAT 6925 MT= 69 (n,n') Level Cross Section 69-Tm-169 -21.43 To 9999. %



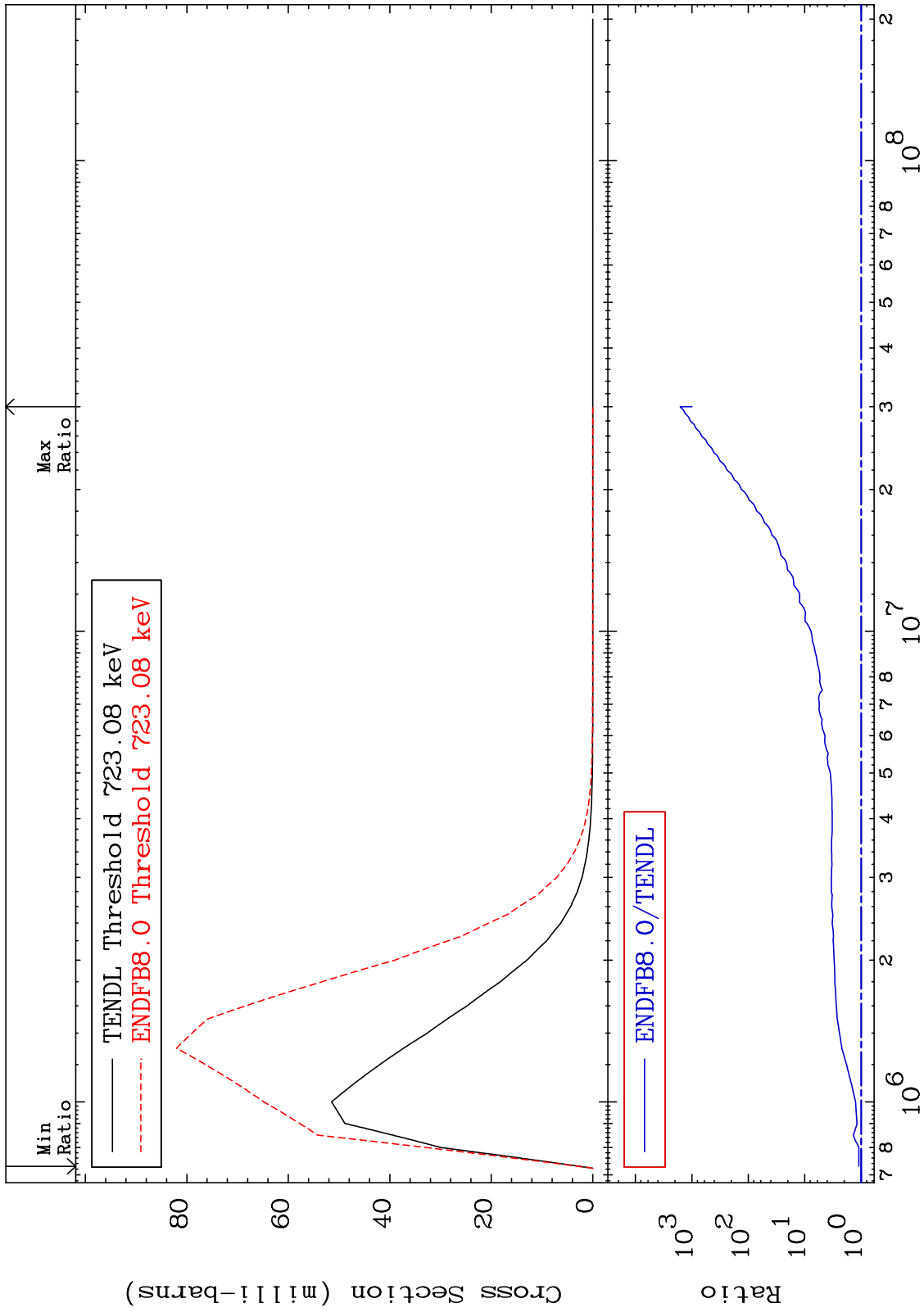
MAT 6925      MT= 70 (n,n') Level      69-Tm-169  
 Cross Section      -67.63 To 9999. %



MAT 6925      MT= 71 (n,n') Level Cross Section      69-Tm-169  
 0.145 To 9999. %

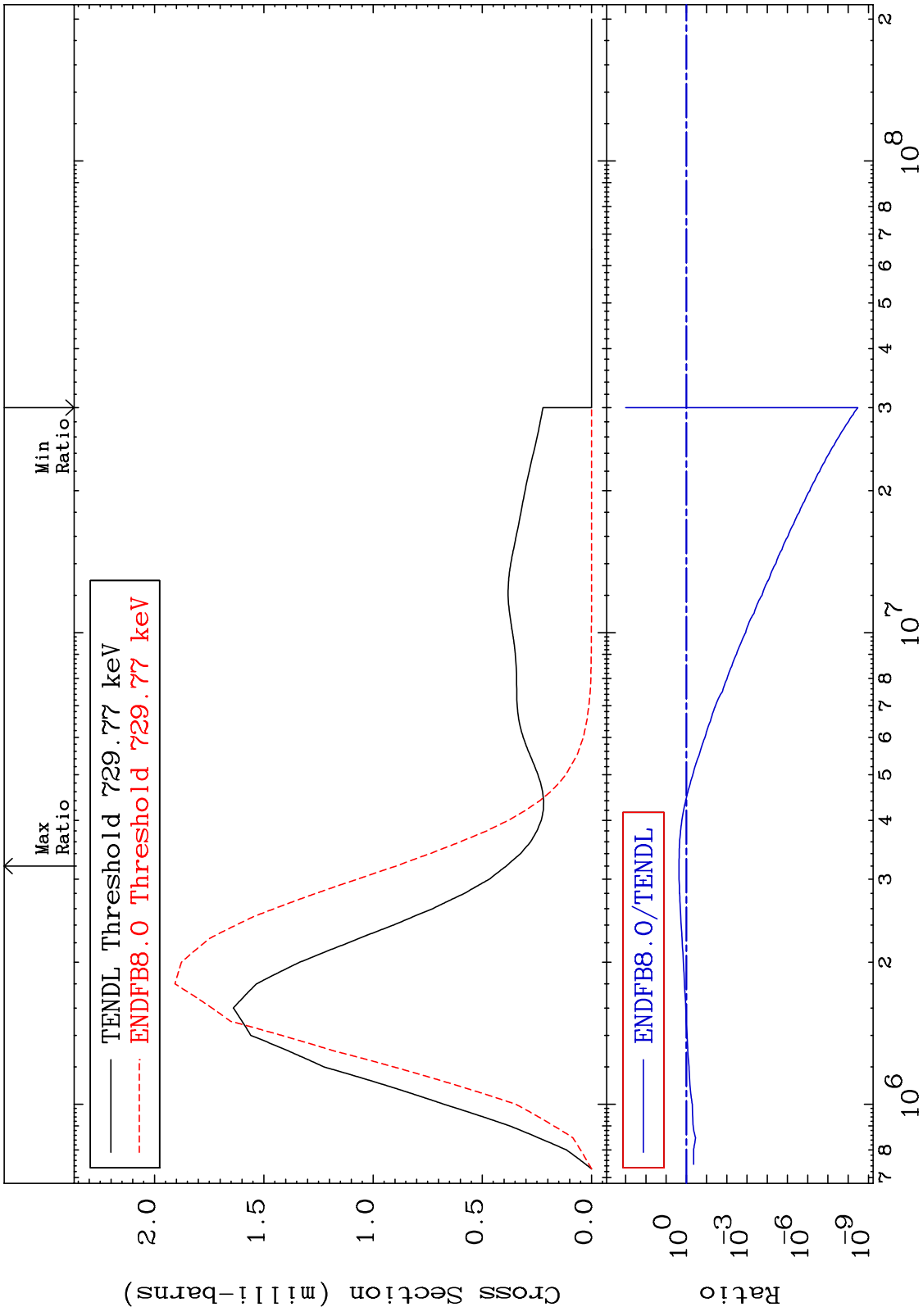


MAT 6925      MT= 72 (n,n') Level Cross Section      69-Tm-169  
 9.741 To 9999. %

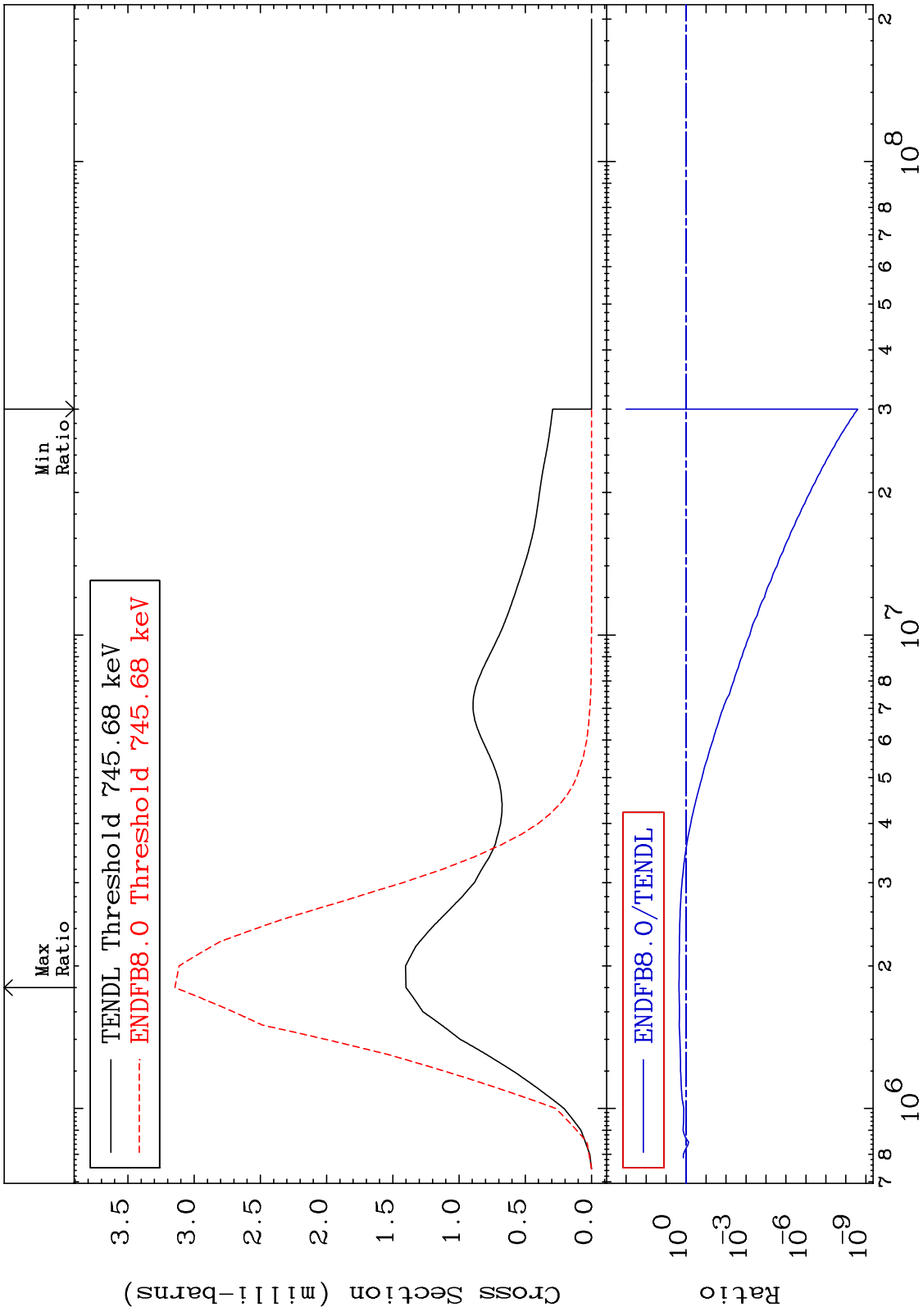




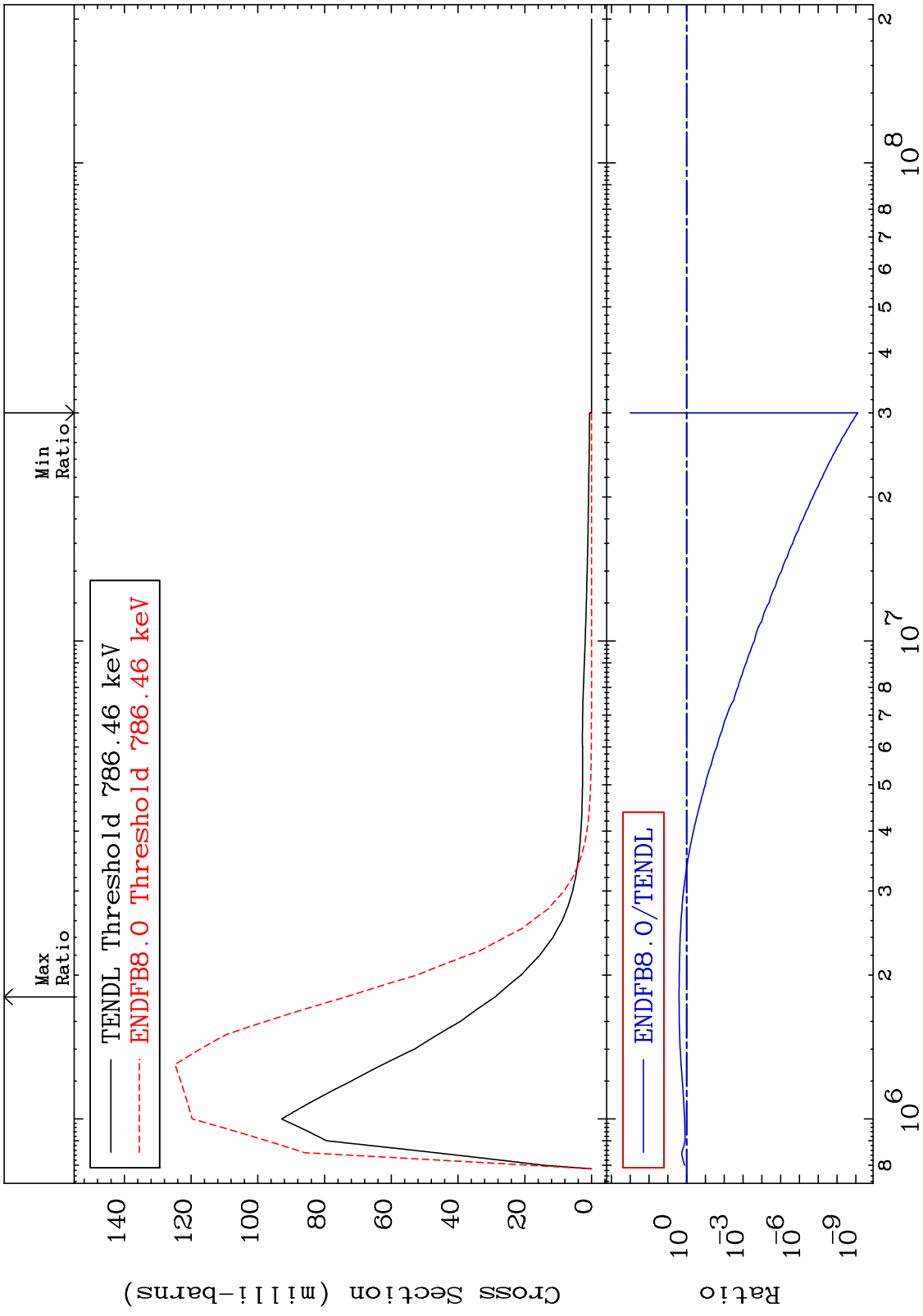
MAT 6925      MT= 73 (n,n') Level Cross Section      69-Tm-169  
 -100.0 To 129.4 %



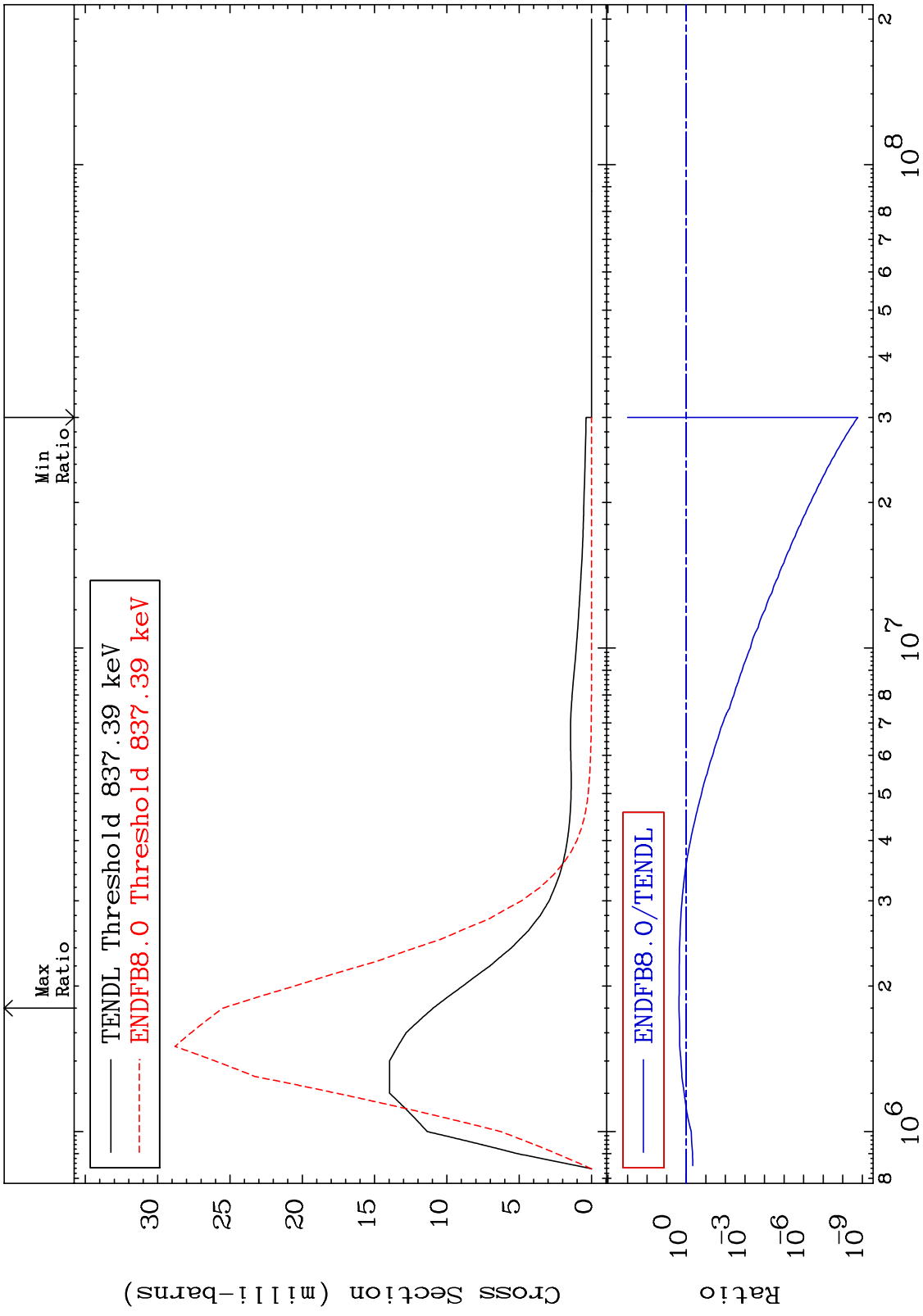
MAT 6925 MT= 74 (n,n') Level Cross Section 69-Tm-169  
 -100.0 To 124.6 %



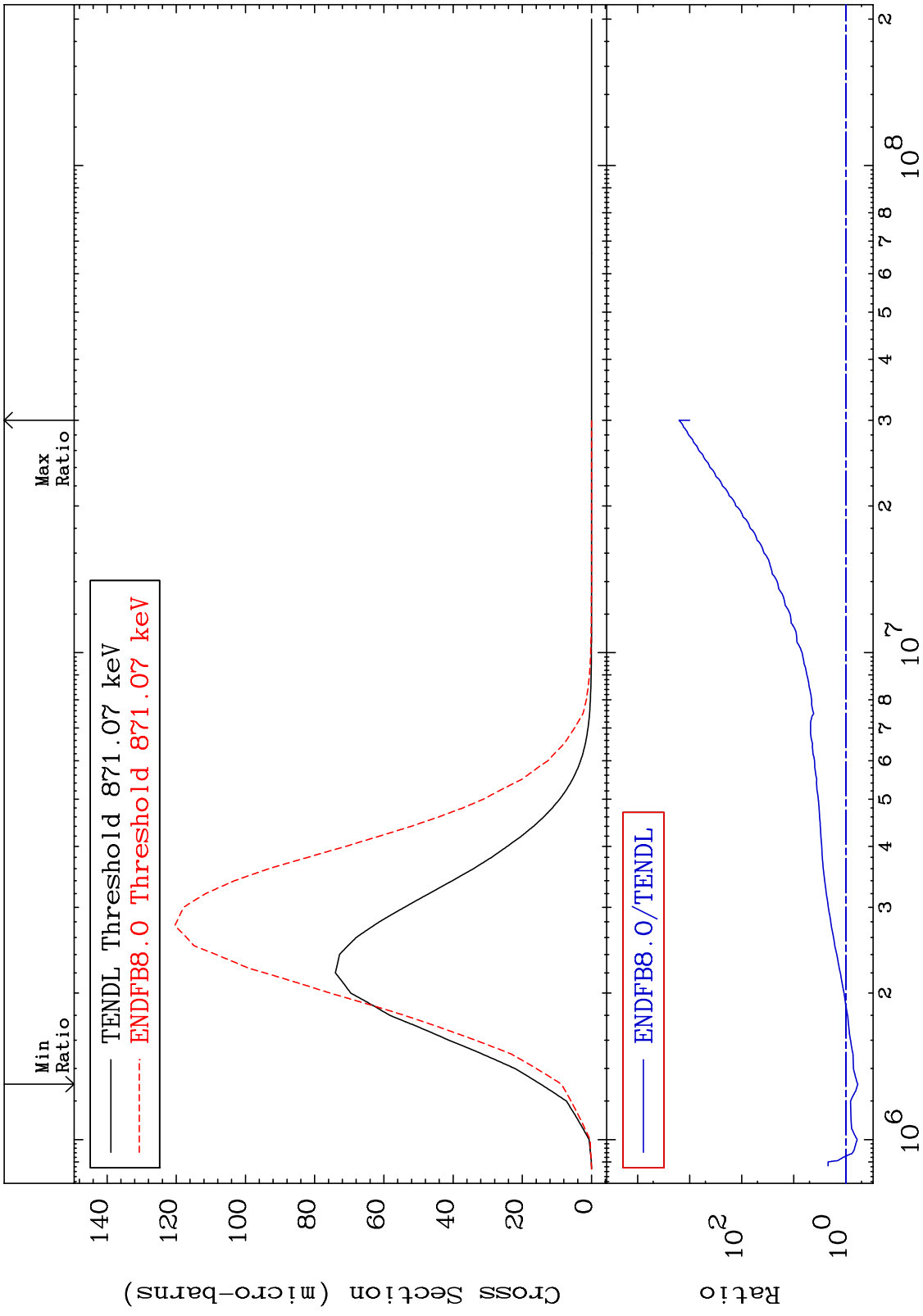
MAT 6925 MT= 75 (n,n') Level Cross Section 69-Tm-169  
 -100.0 To 154.7 %



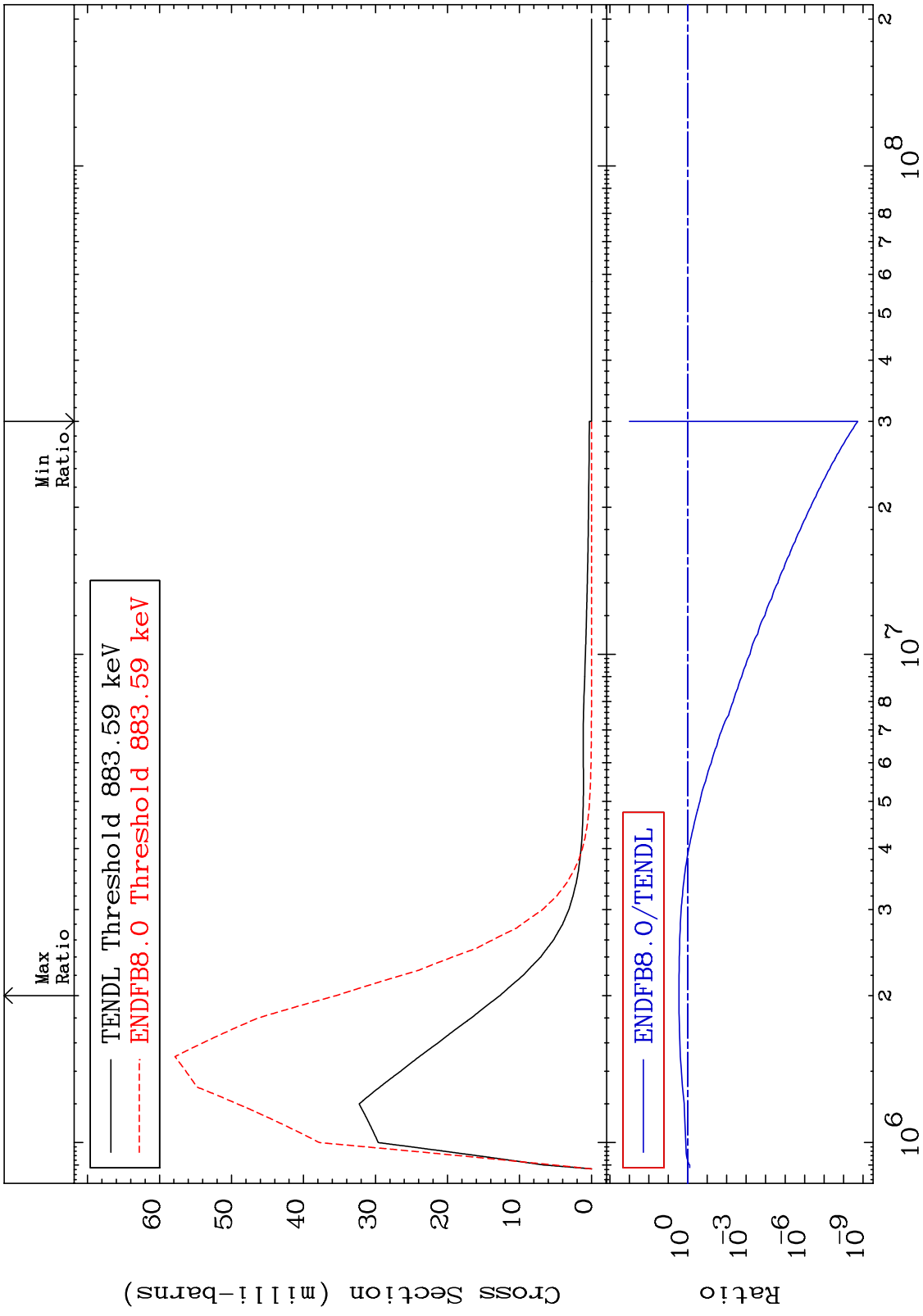
MAT 6925      MT= 76 (n,n') Level Cross Section      69-Tm-169  
 -100.0 To 132.8 %

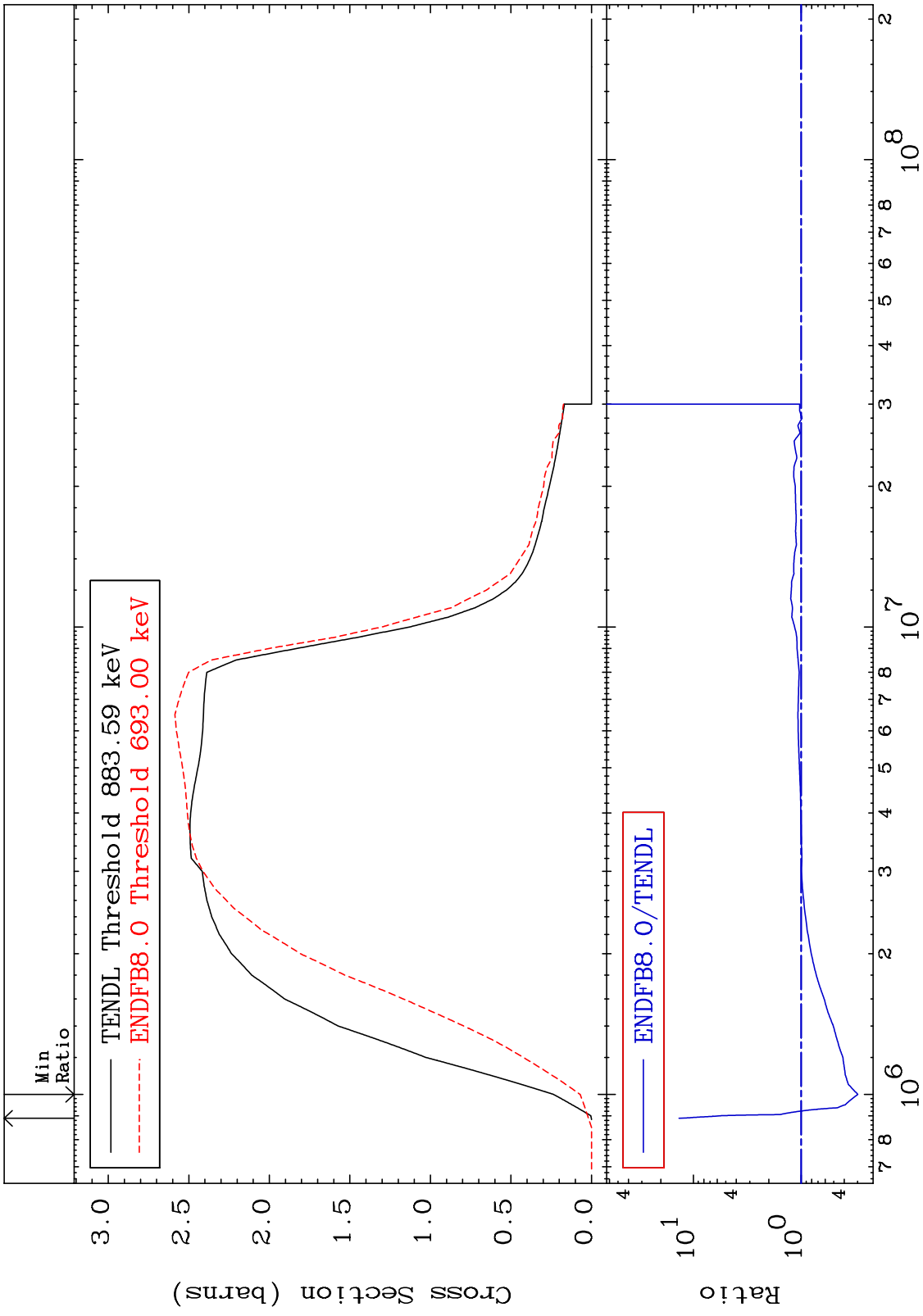


MAT 6925      MT= 77 (n,n') Level Cross Section      69-Tm-169  
 -40.97 To 9999. %



MAT 6925      MT= 78 (n,n') Level Cross Section      69-Tm-169  
 -100.0 To 178.8 %

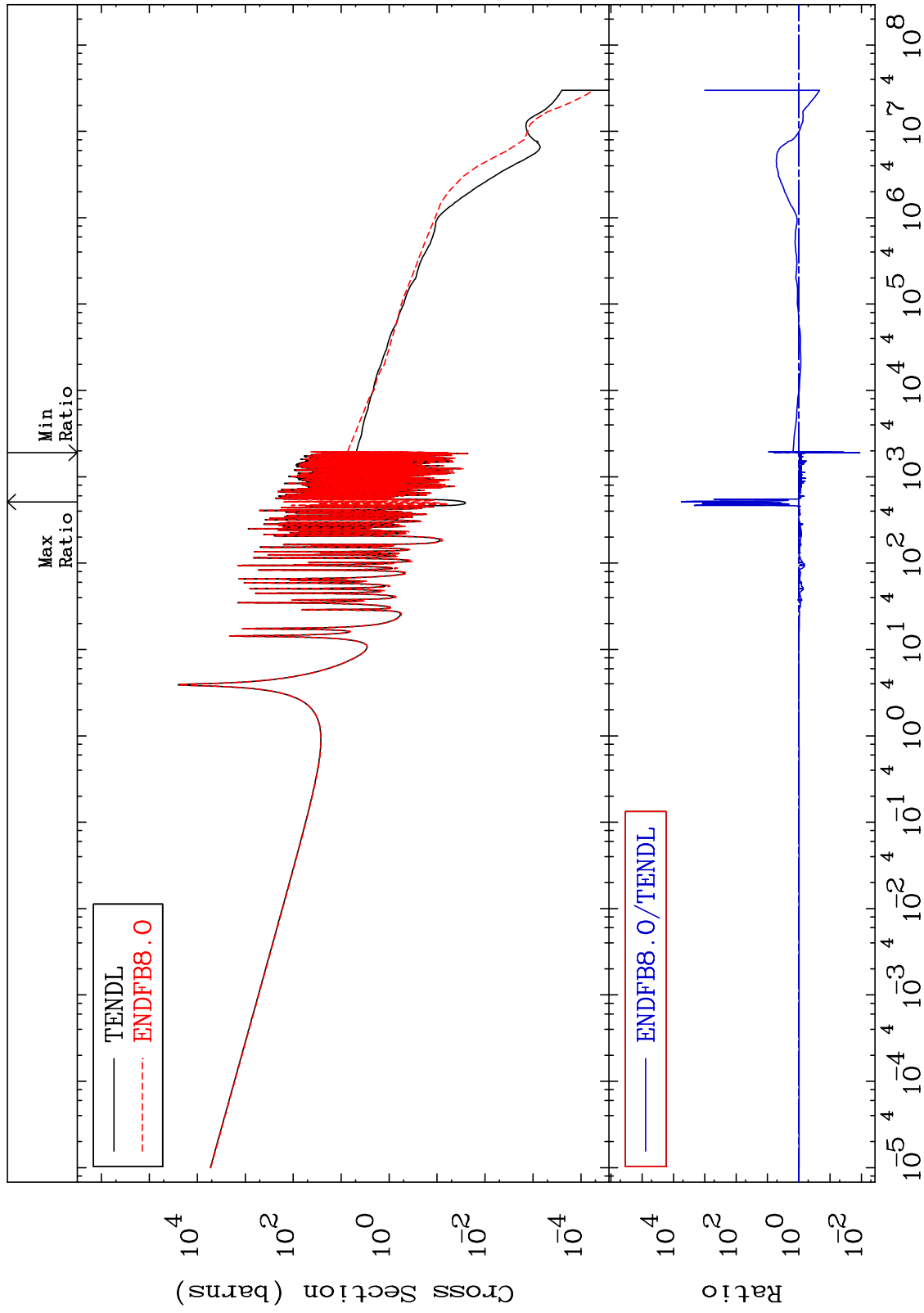




MAT 6925

(n,  $\gamma$ )  
Cross Section

69-Tm-169  
-98.87 To 9999. %





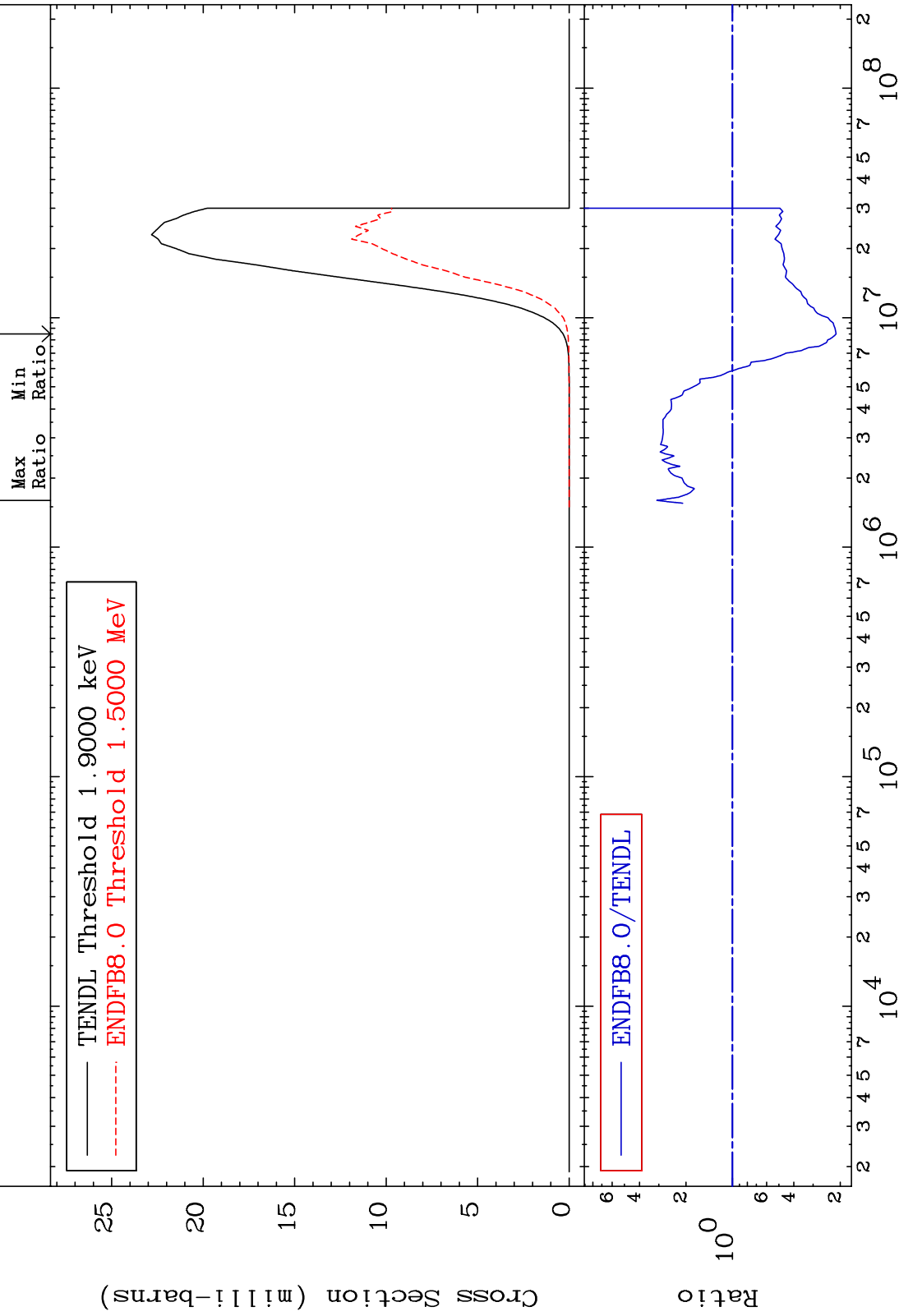
MAT 6925

(n,p)

69-Tm-169

Cross Section

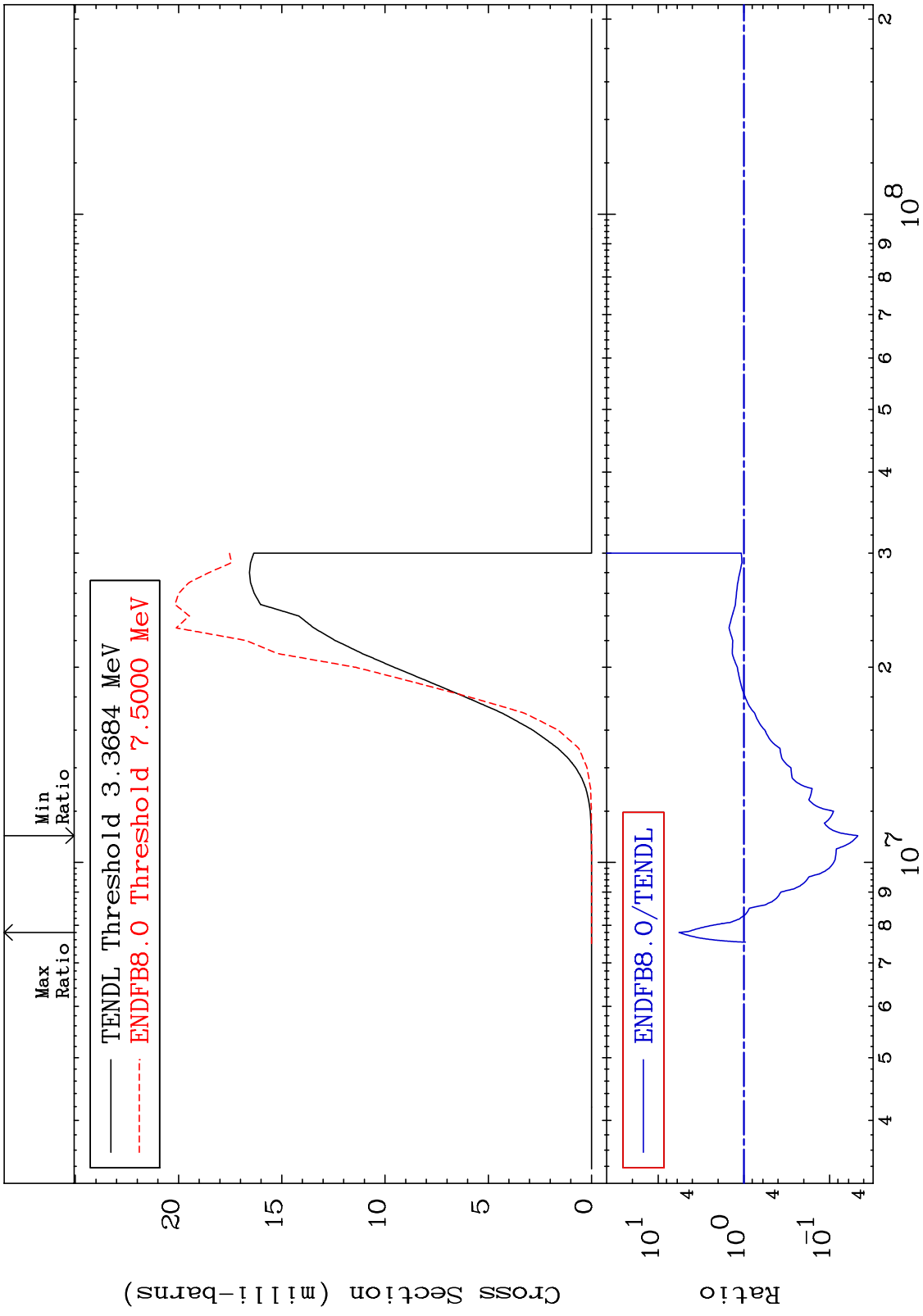
-78.72 To 208.2 %



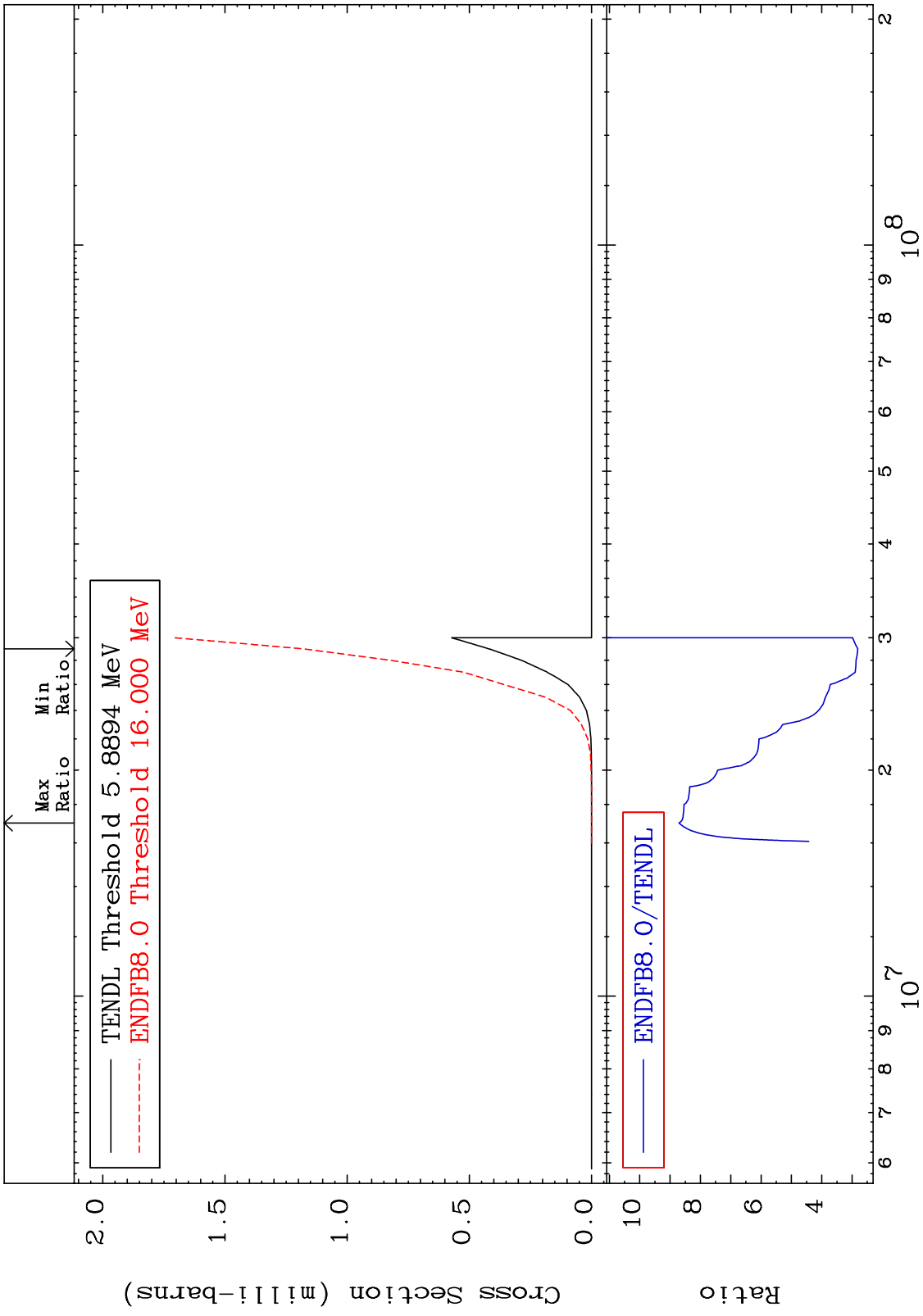
40

69-Tm-169

MAT 6925 (n,d) Cross Section 69-Tm-169 -95.31 To 471.5 %



MAT 6925 (n, He-3) 69-Tm-169  
 Cross Section 181.1 To 770.4 %



42 69-Tm-169

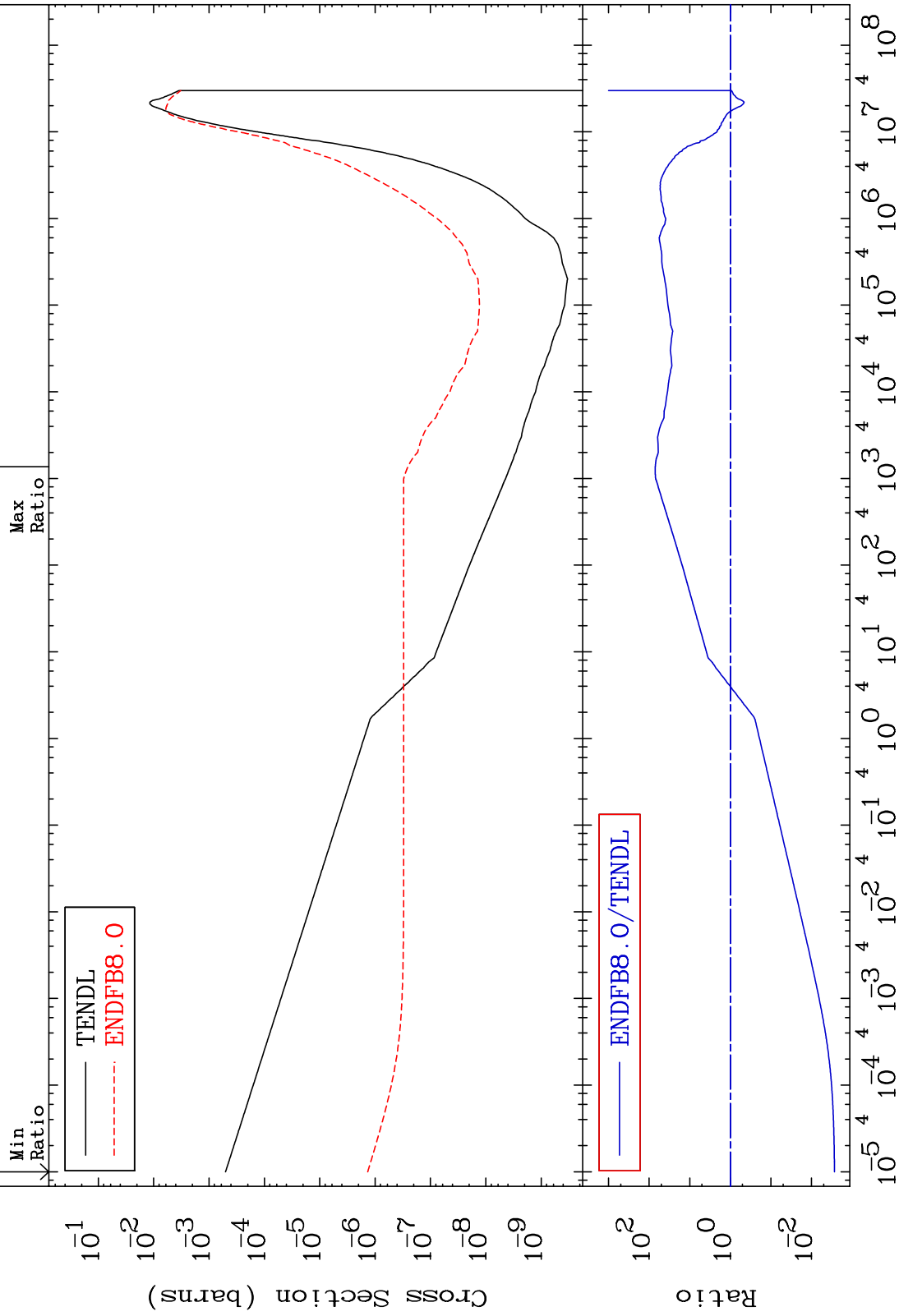
MAT 6925

(n,  $\alpha$ )

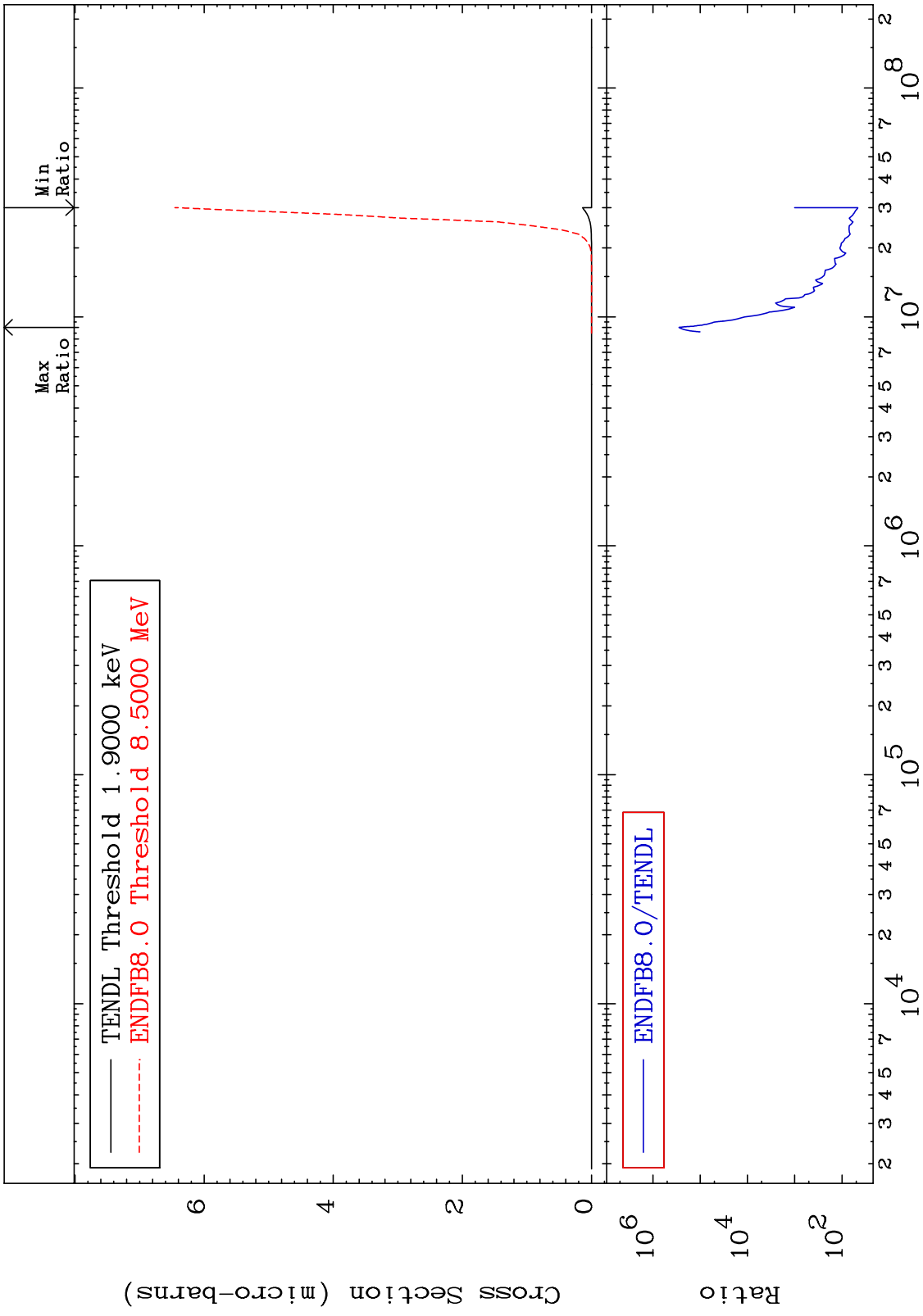
69-Tm-169

-99.73 To 6959. %

Cross Section



MAT 6925 (n,p)  $\alpha$  69-Tm-169  
 Cross Section 4515. To 9999. %



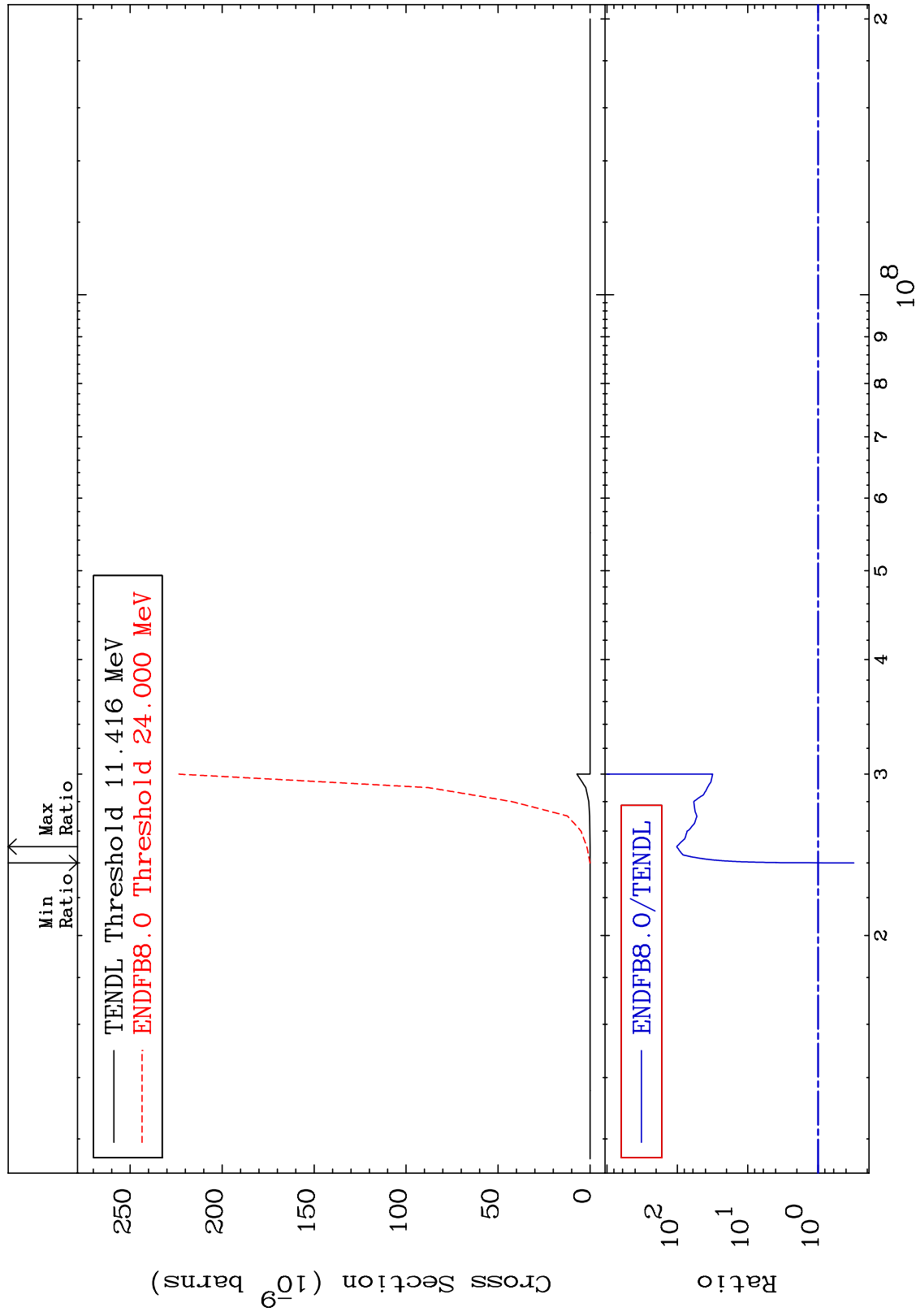
MAT 6925

(n,p) d

69-Tm-169

Cross Section

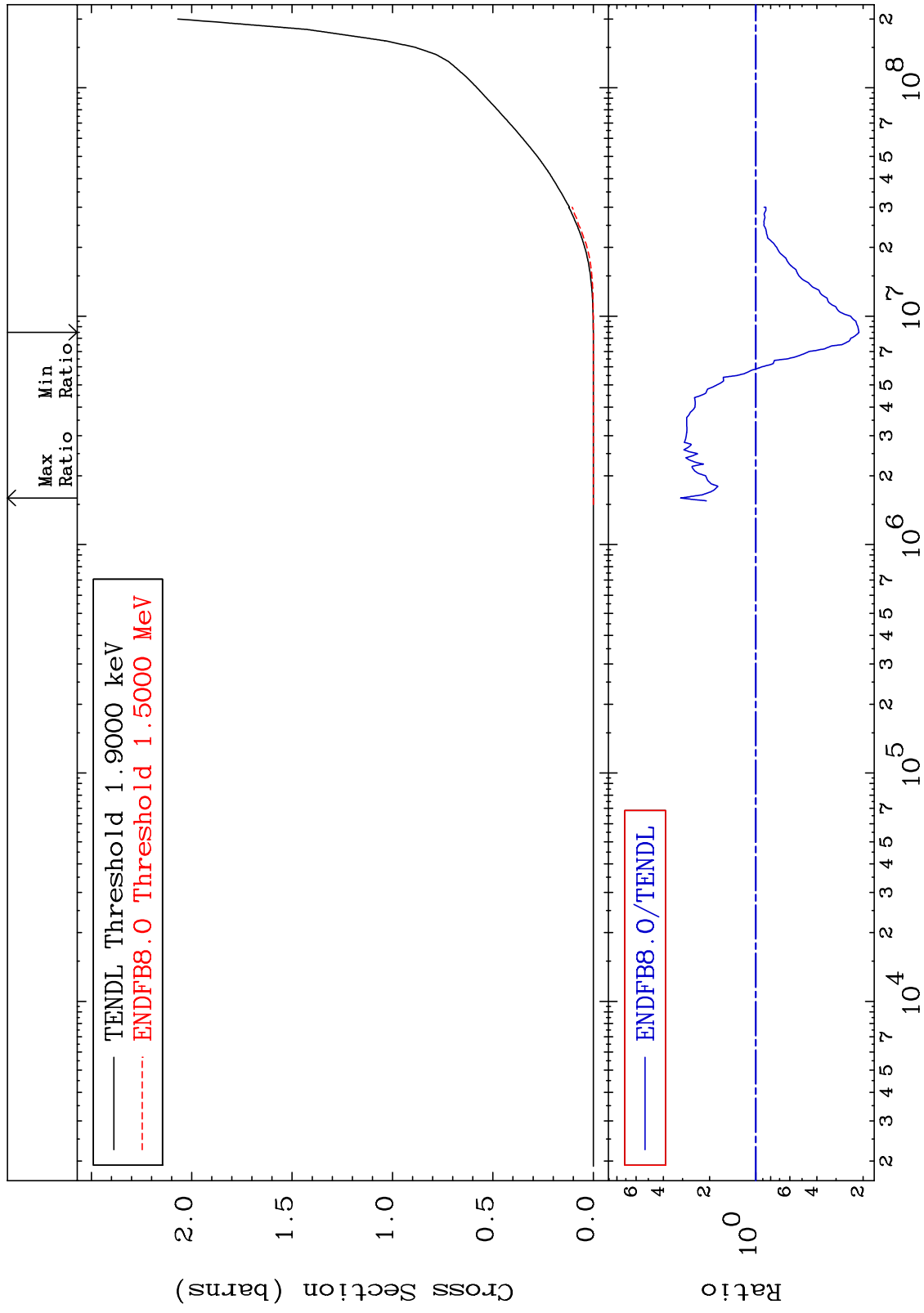
-69.01 To 9999. %



MAT 6925

Hydrogen Production  
Cross Section

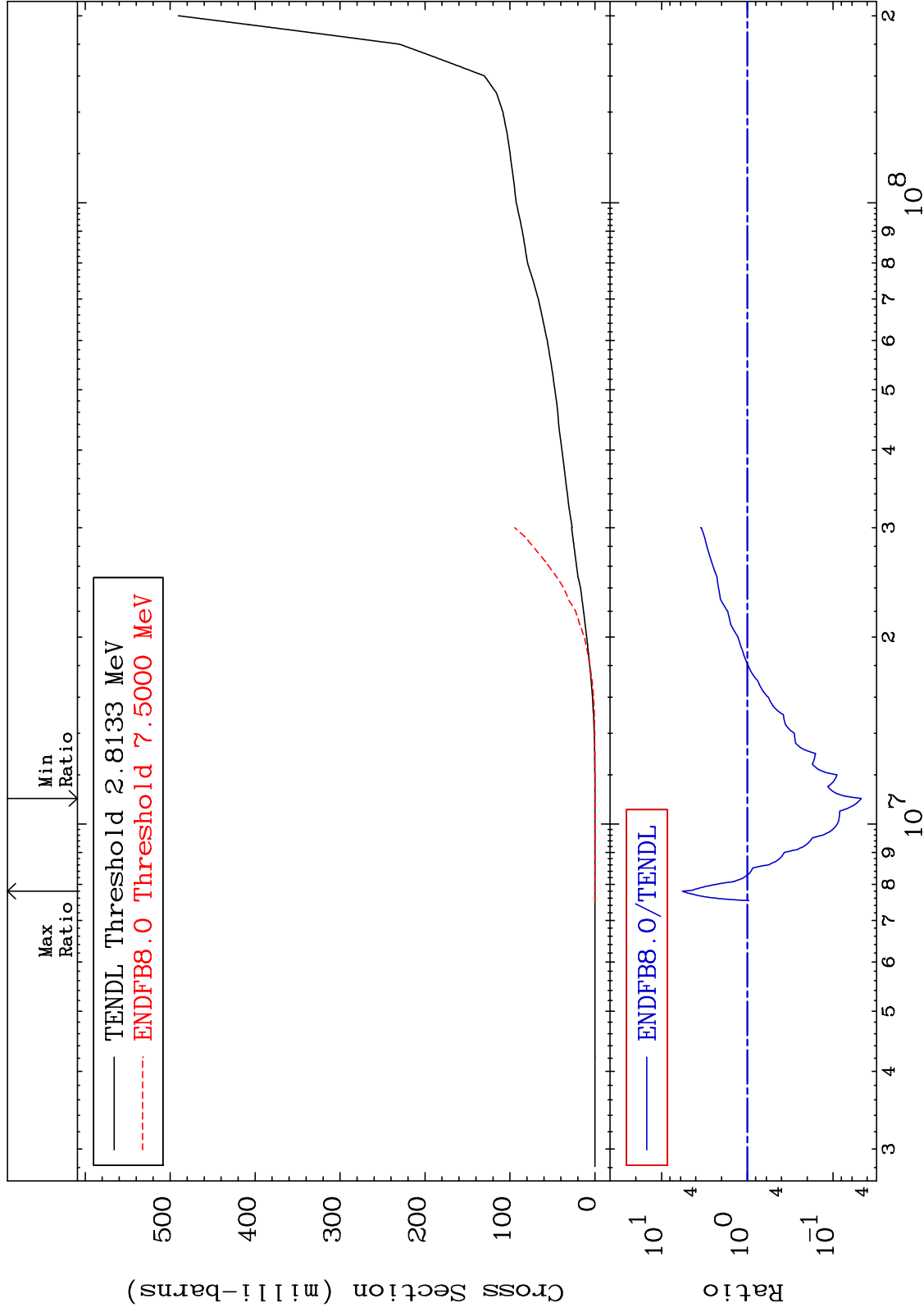
69-Tm-169  
-78.72 To 208.2 %



MAT 6925

Deuterium Production  
Cross Section

69-Tm-169  
-95.31 To 471.5 %

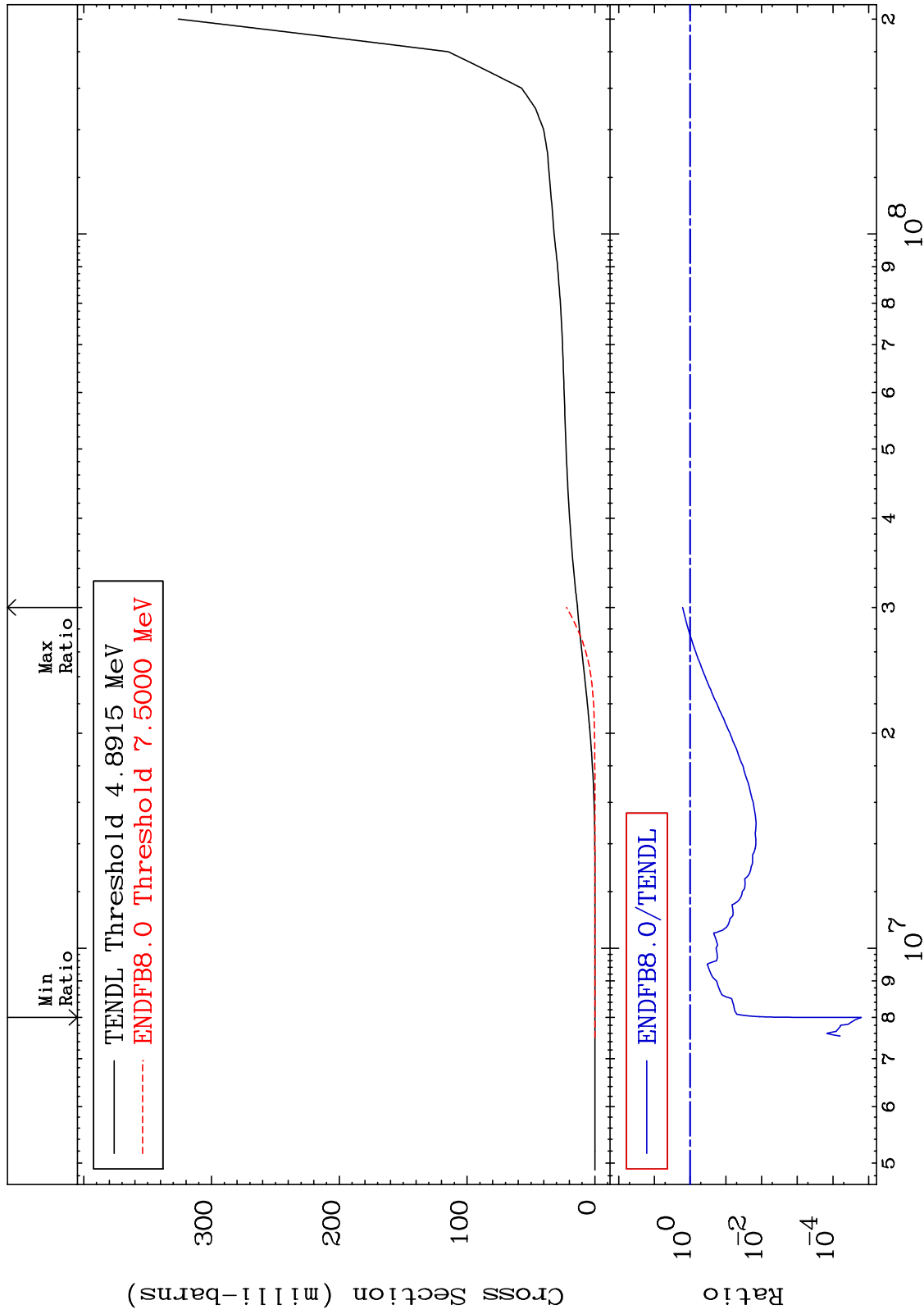




MAT 6925

Tritium Production  
Cross Section

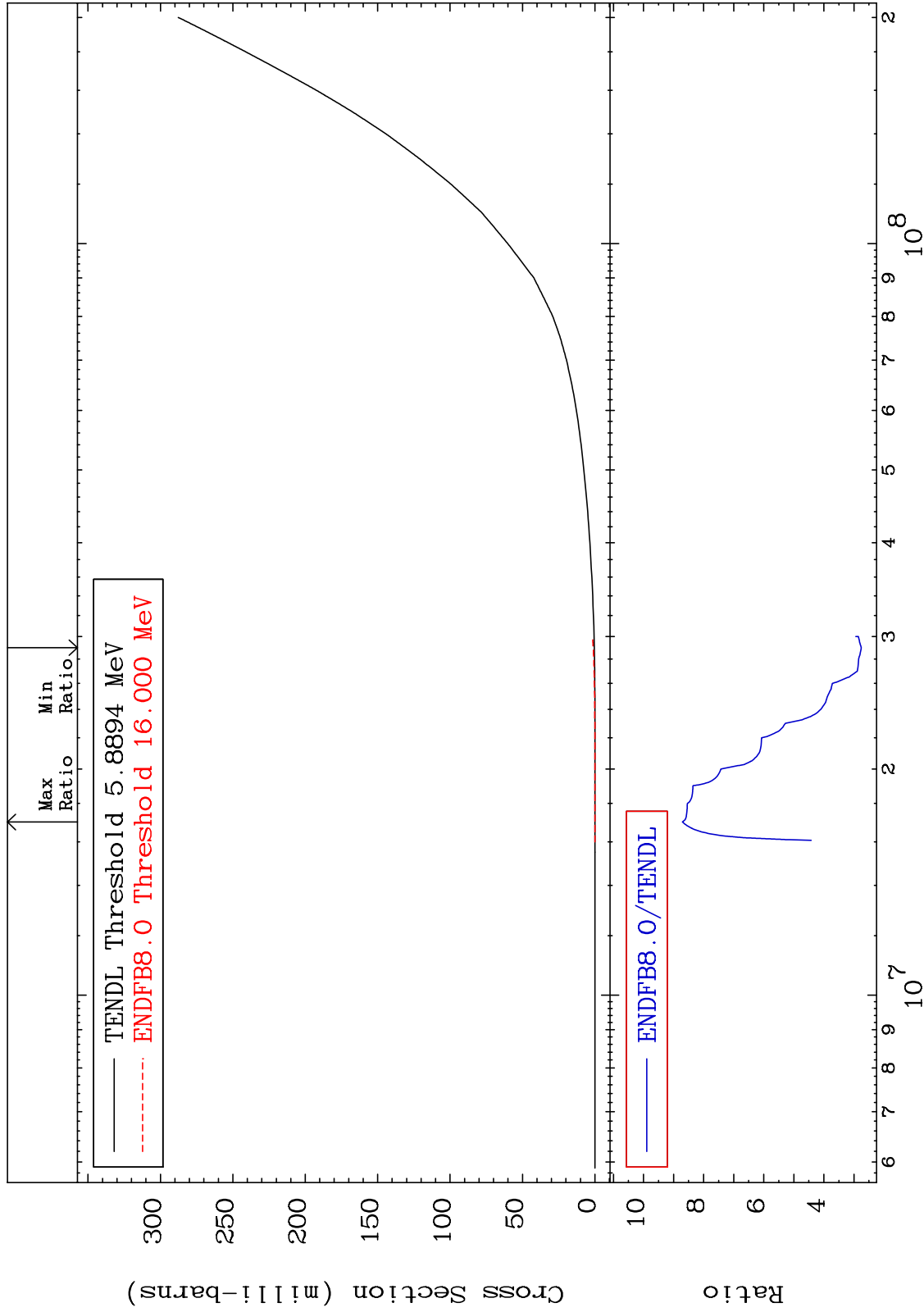
69-Tm-169  
-100.0 To 63.78 %



MAT 6925

He-3 Production  
Cross Section

69-Tm-169  
175.6 To 770.4 %



49

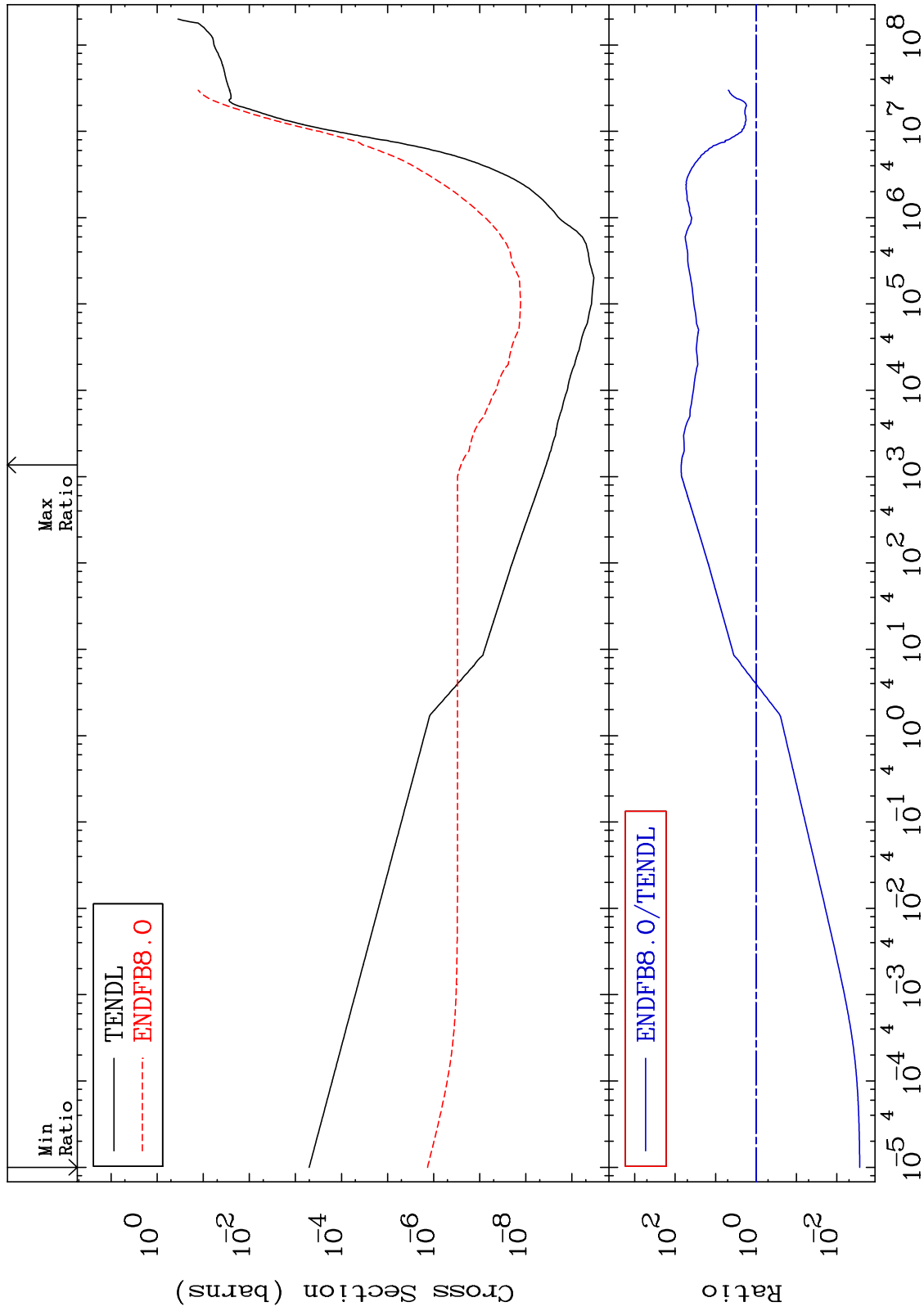
Incident Energy (eV)

69-Tm-169

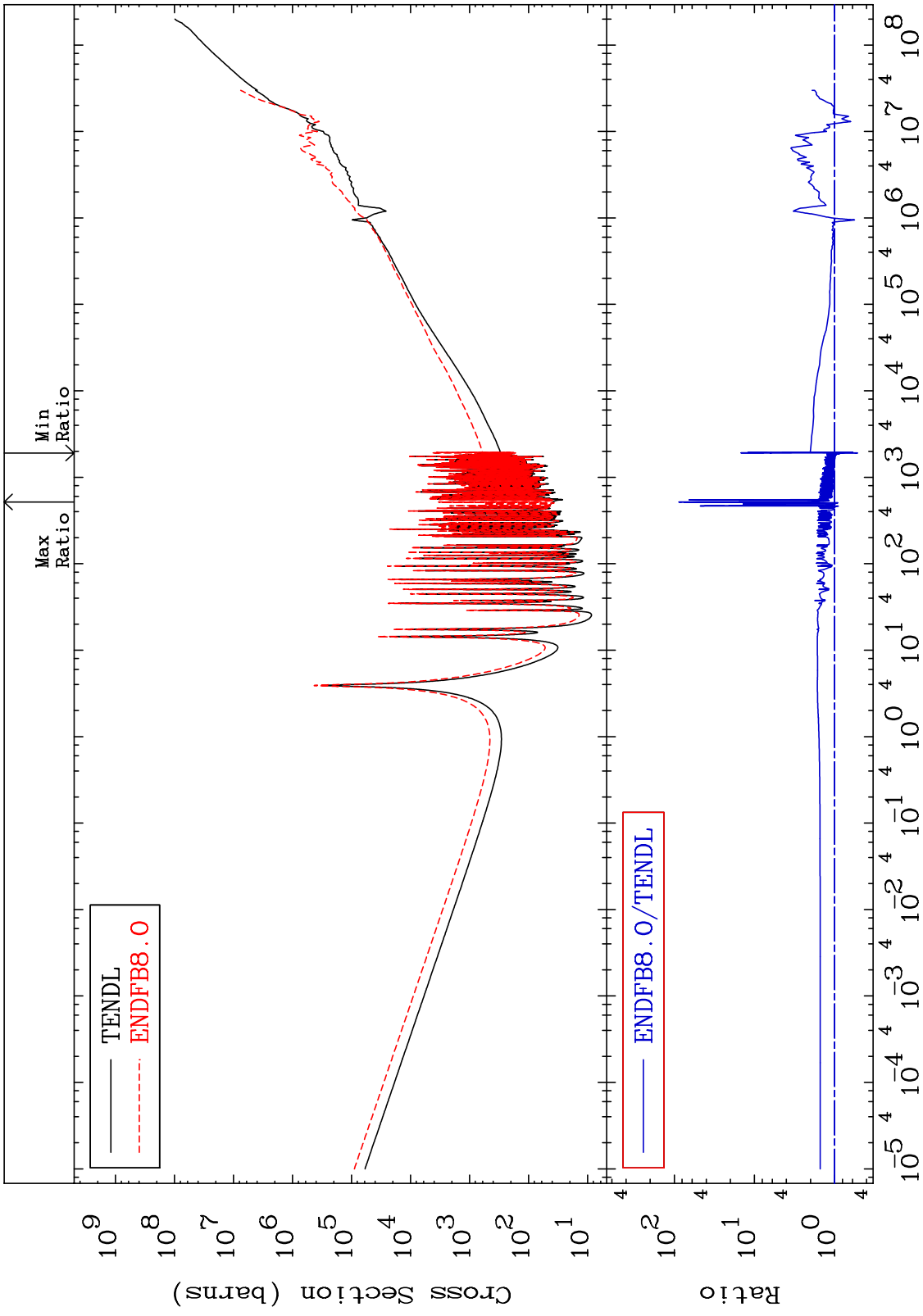
MAT 6925

He-4 Production  
Cross Section

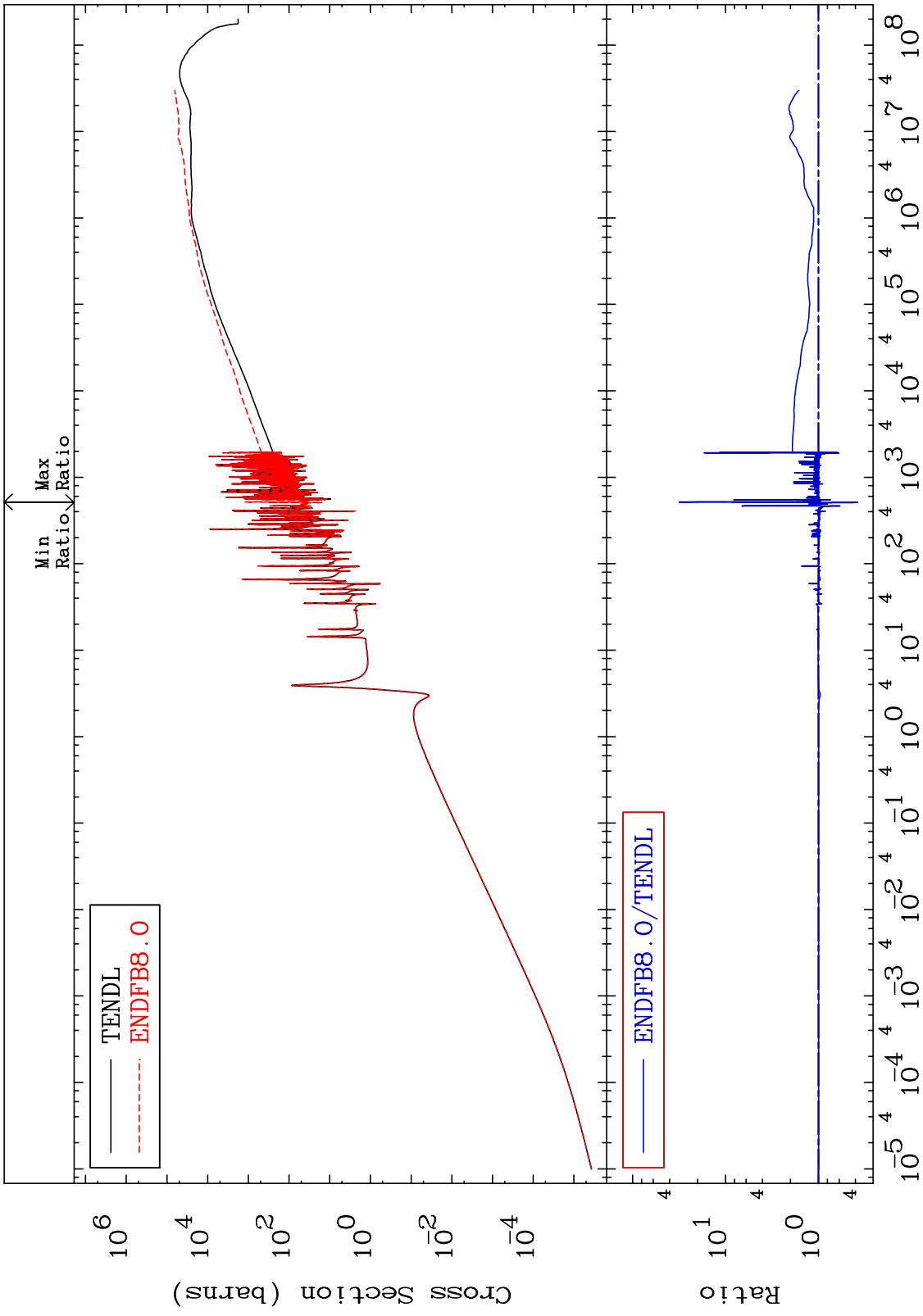
69-Tm-169  
-99.73 To 6959. %



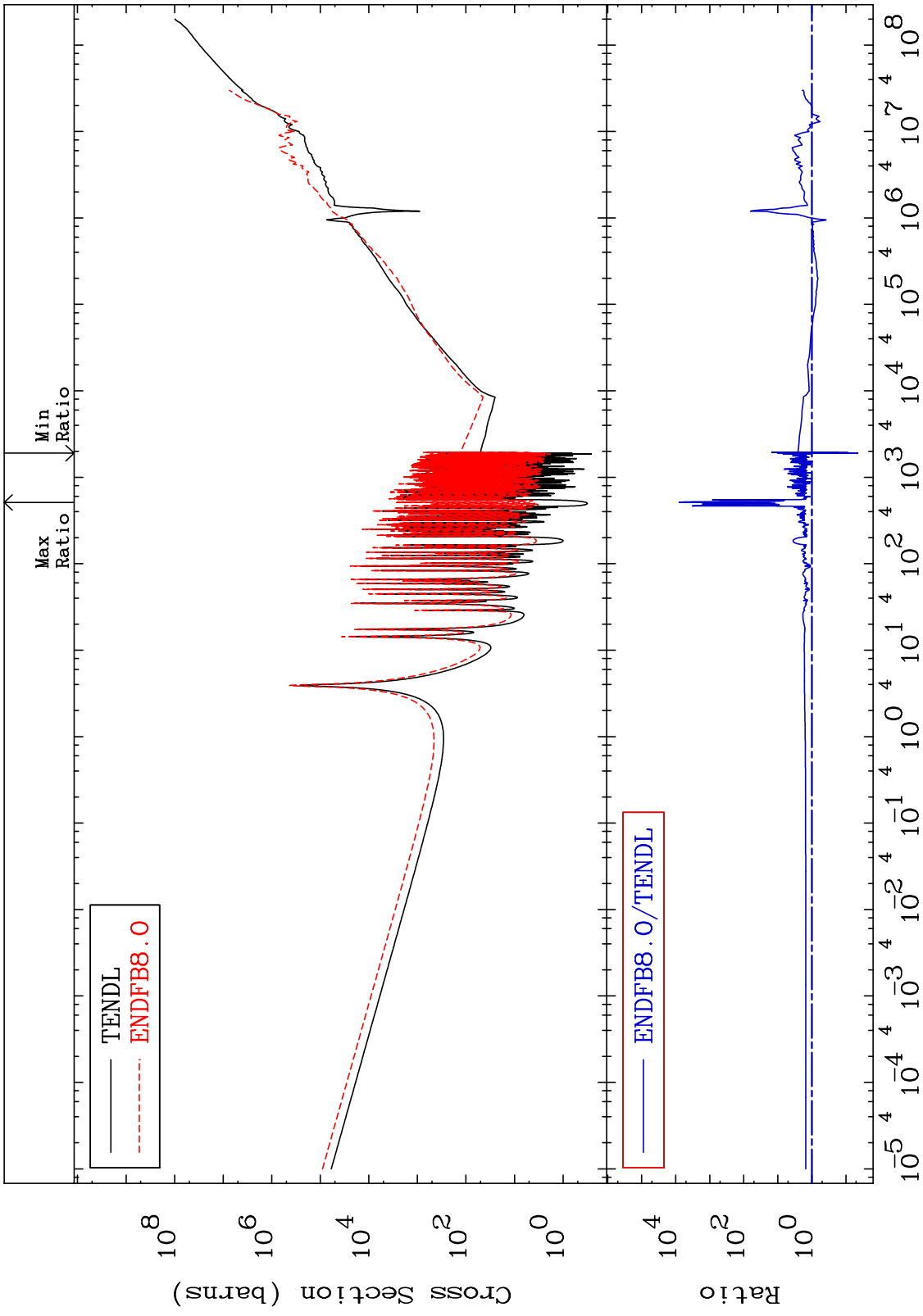
MAT 6925      Kerma total (eV-barns)      69-Tm-169  
 Cross Section      -48.60 To 8634. %



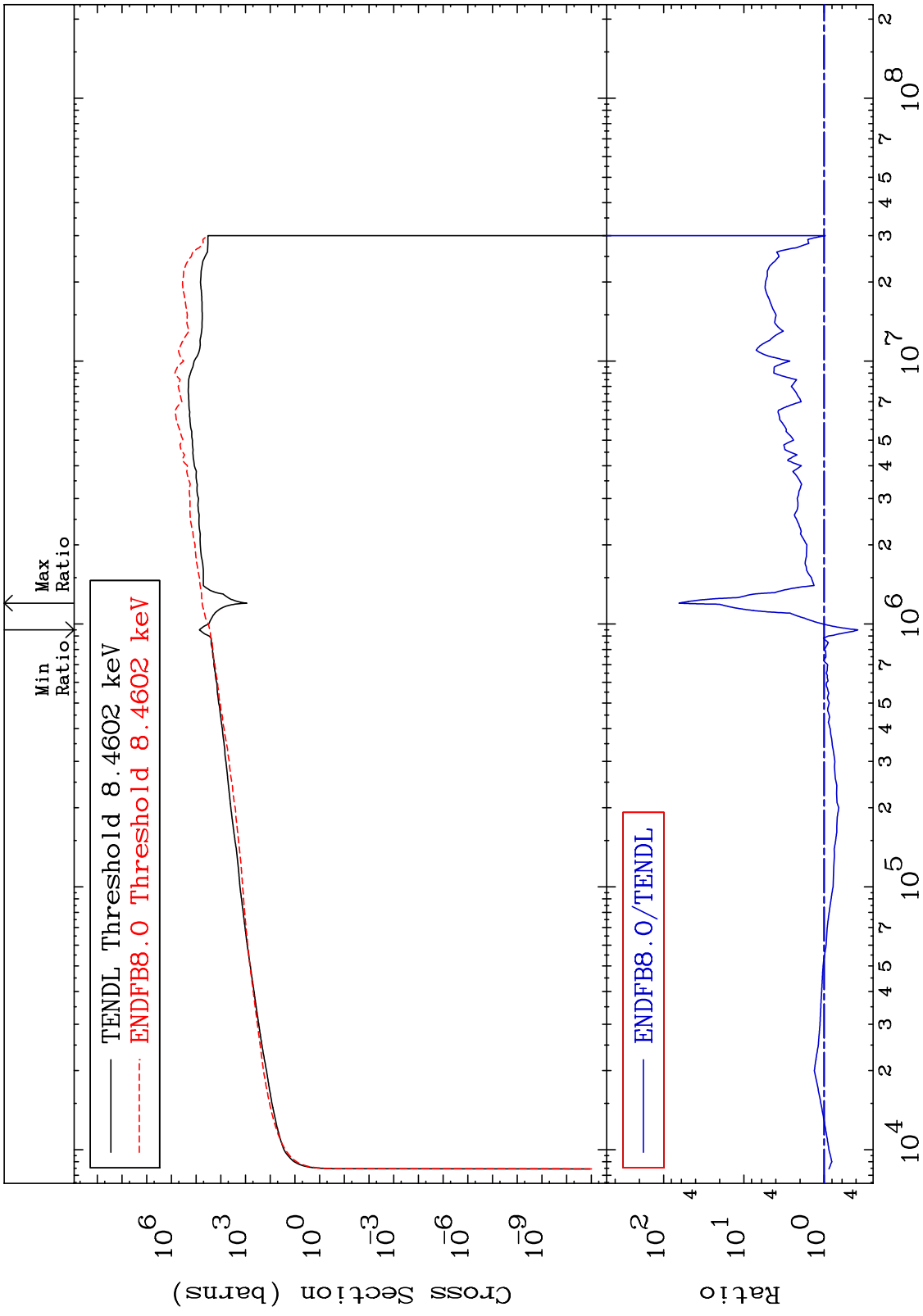
MAT 6925 69-Tm-169 -62.28 To 3061. %  
 Kerma elastic Cross Section



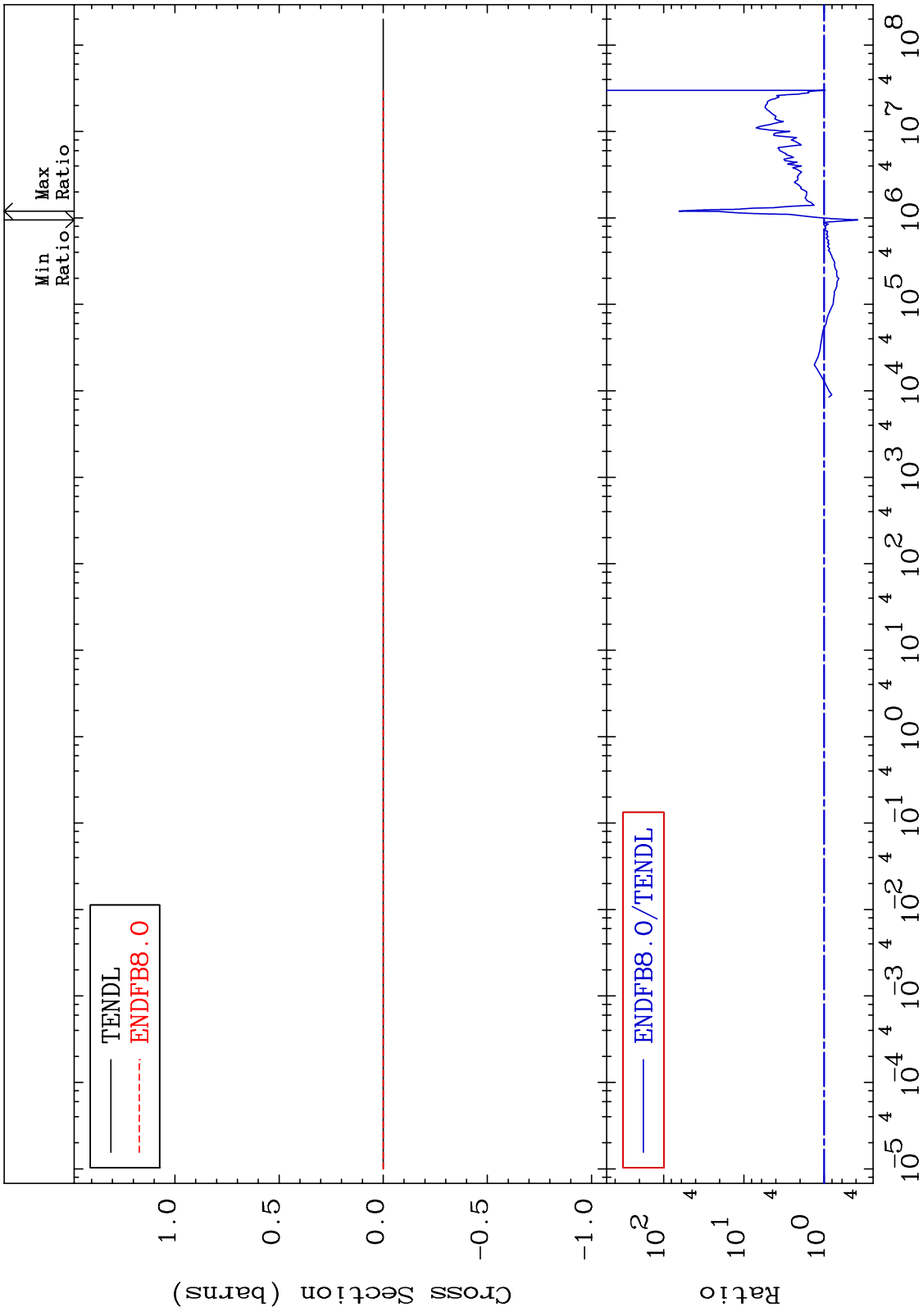
MAT 6925      Kerma non-elastic (all but mt.2)      69-Tm-169  
 Cross Section      -95.54 To 9999. %



MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169  
 Cross Section -61.92 To 6316. %

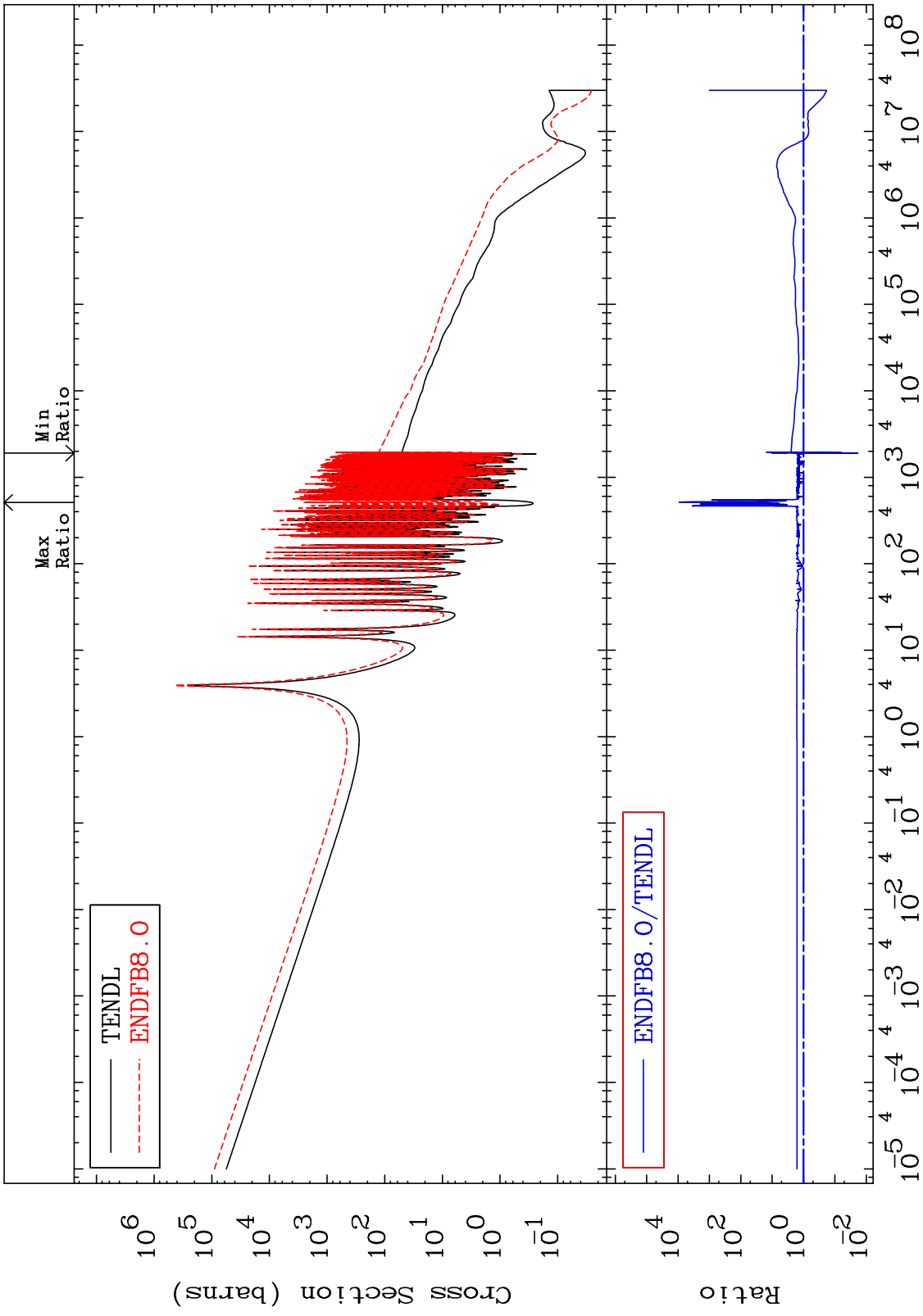


MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169  
 Cross Section -61.92 To 6316. %

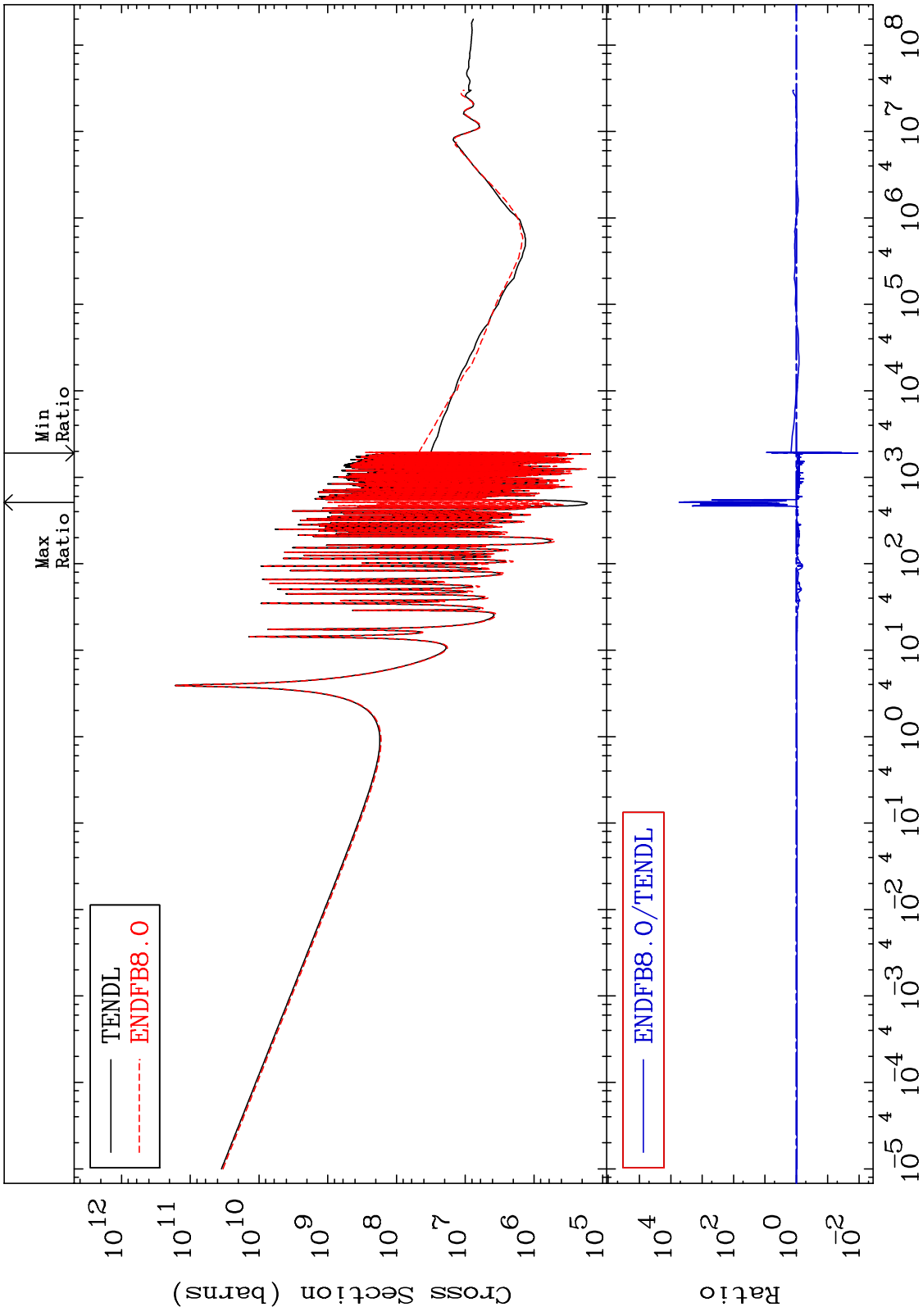




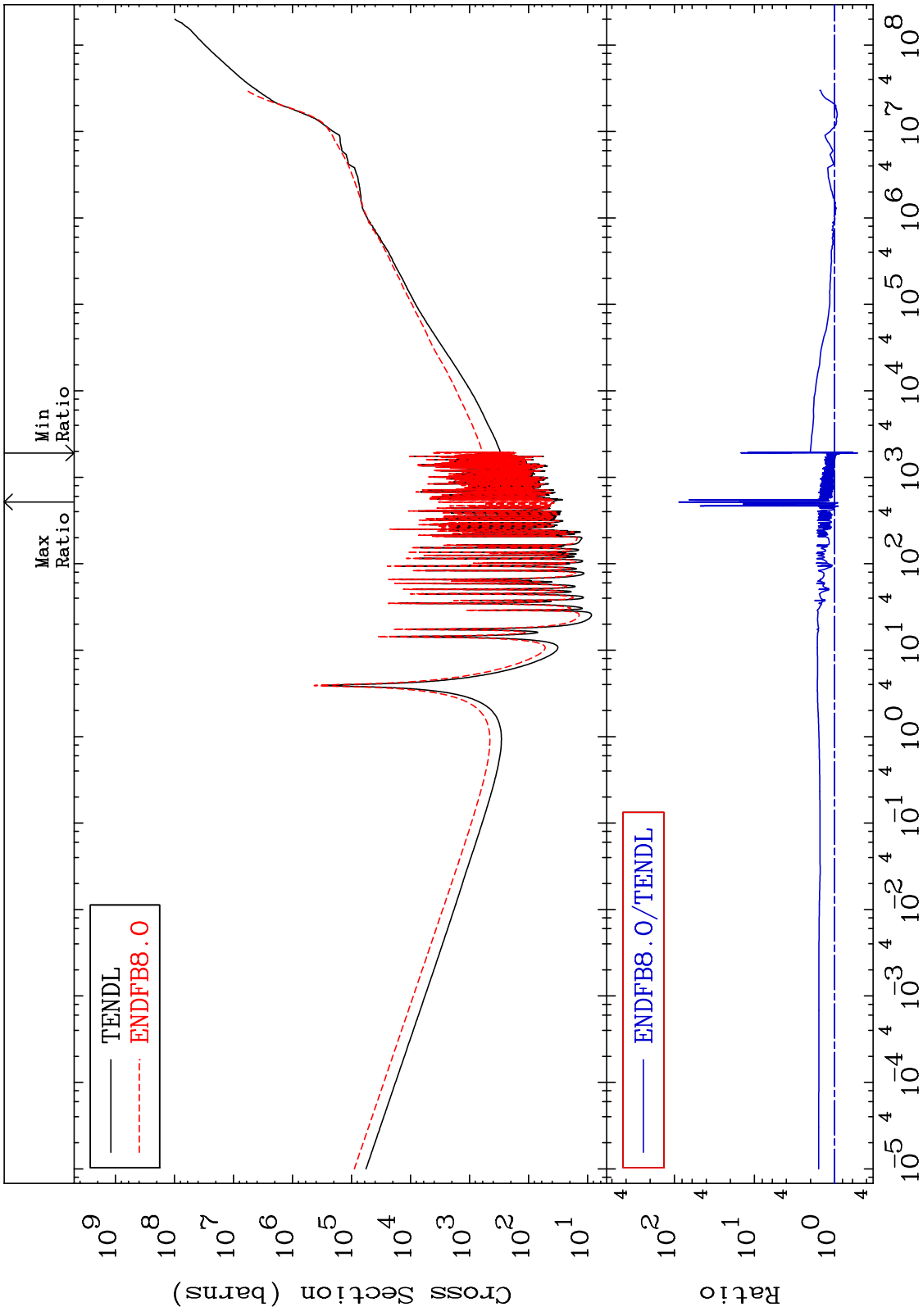
MAT 6925      Kerma capture (mt102)      69-Tm-169  
 Cross Section      -98.14 To 9999. %



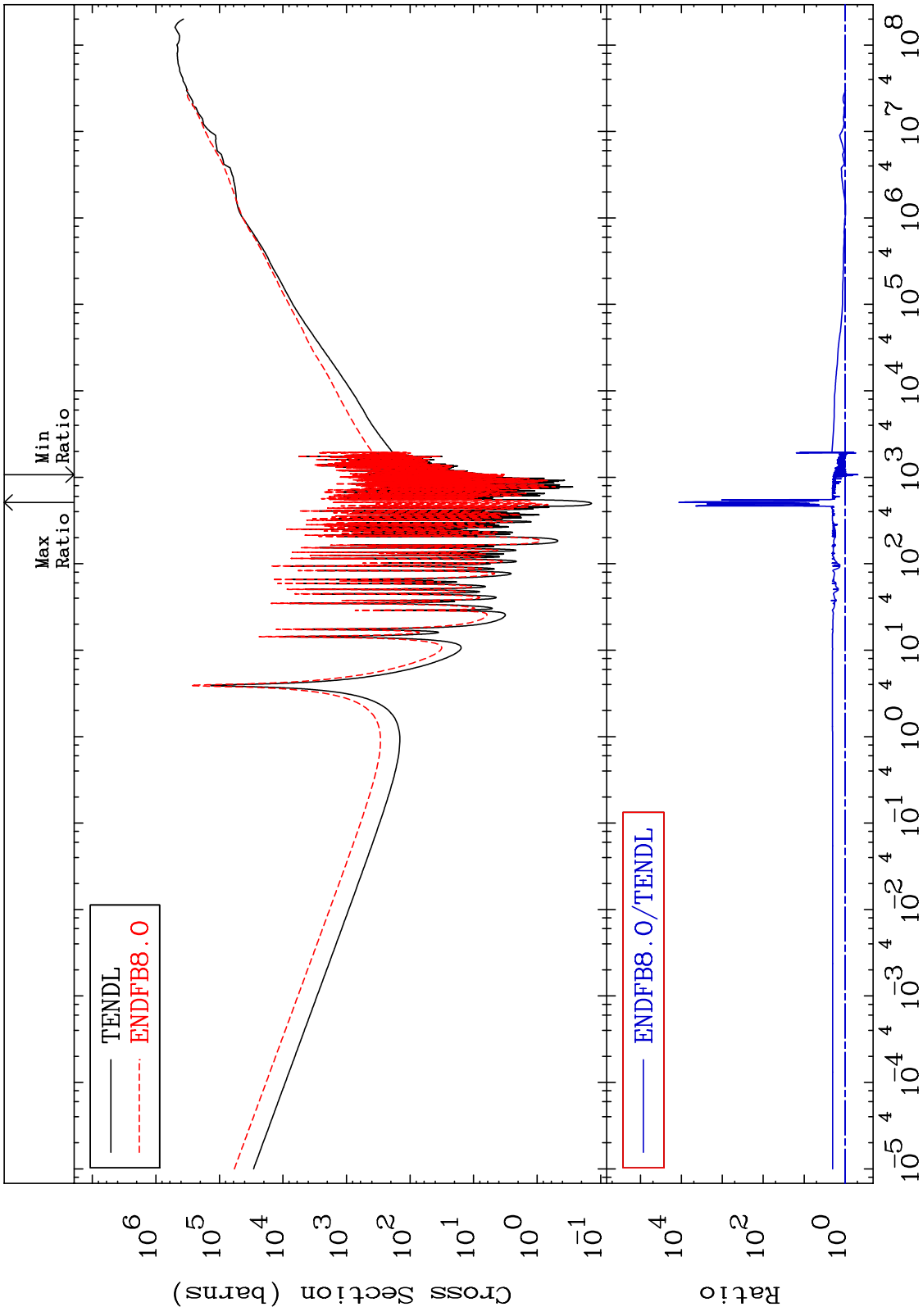
MAT 6925      Total photon (eV-barns) Cross Section      69-Tm-169  
-98.90 To 9999. %



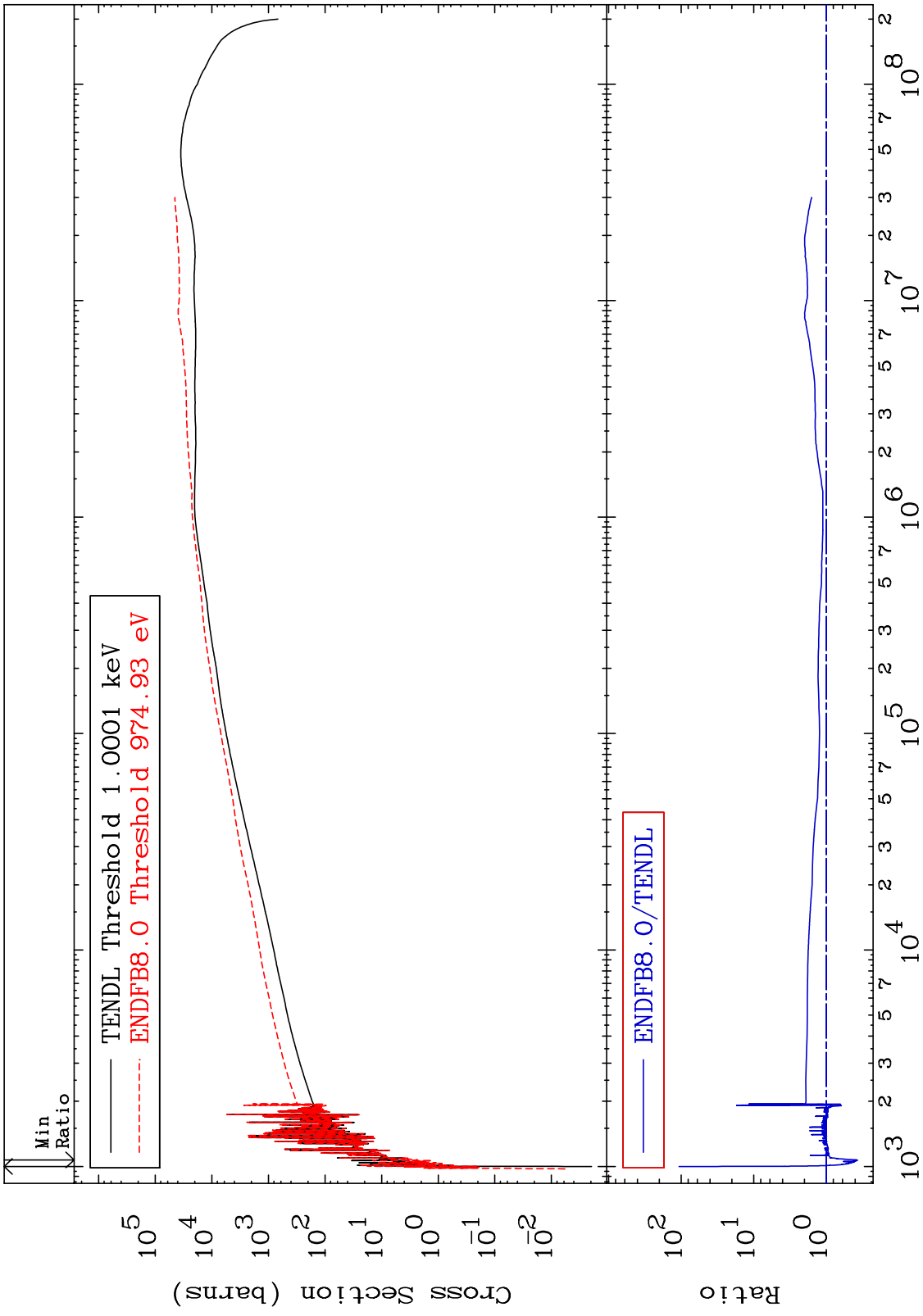
MAT 6925      Total kinematic kerma (high limit)      69-Tm-169  
 Cross Section      -48.60 To 8634. %



MAT 6925      Dpa total (eV-barns)      69-Tm-169  
 Cross Section      -51.43 To 9999. %

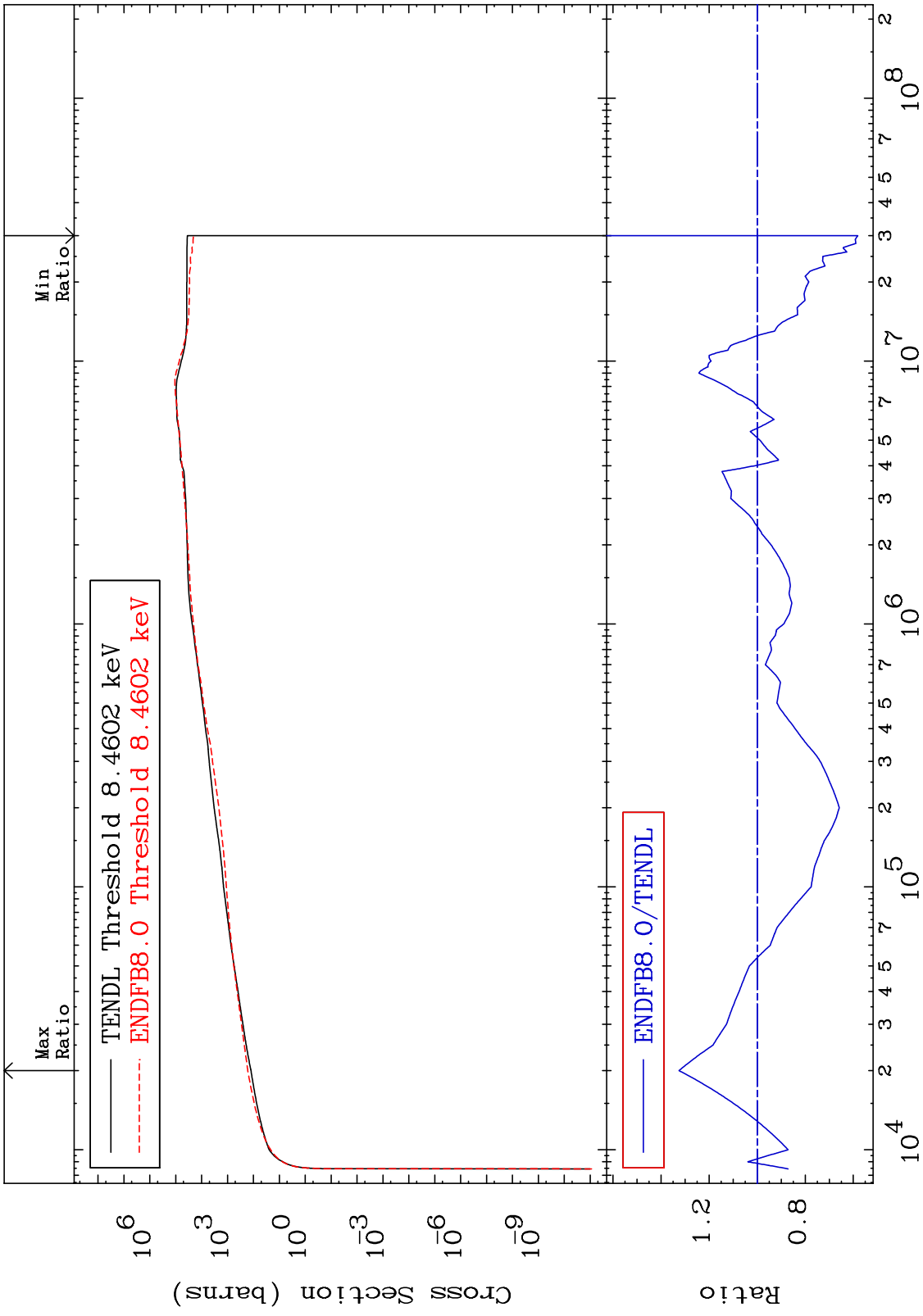


MAT 6925      Dpa elastic (mt2)      69-Tm-169  
Cross Section      -63.20 To 9999. %



60      Incident Energy (eV)      69-Tm-169

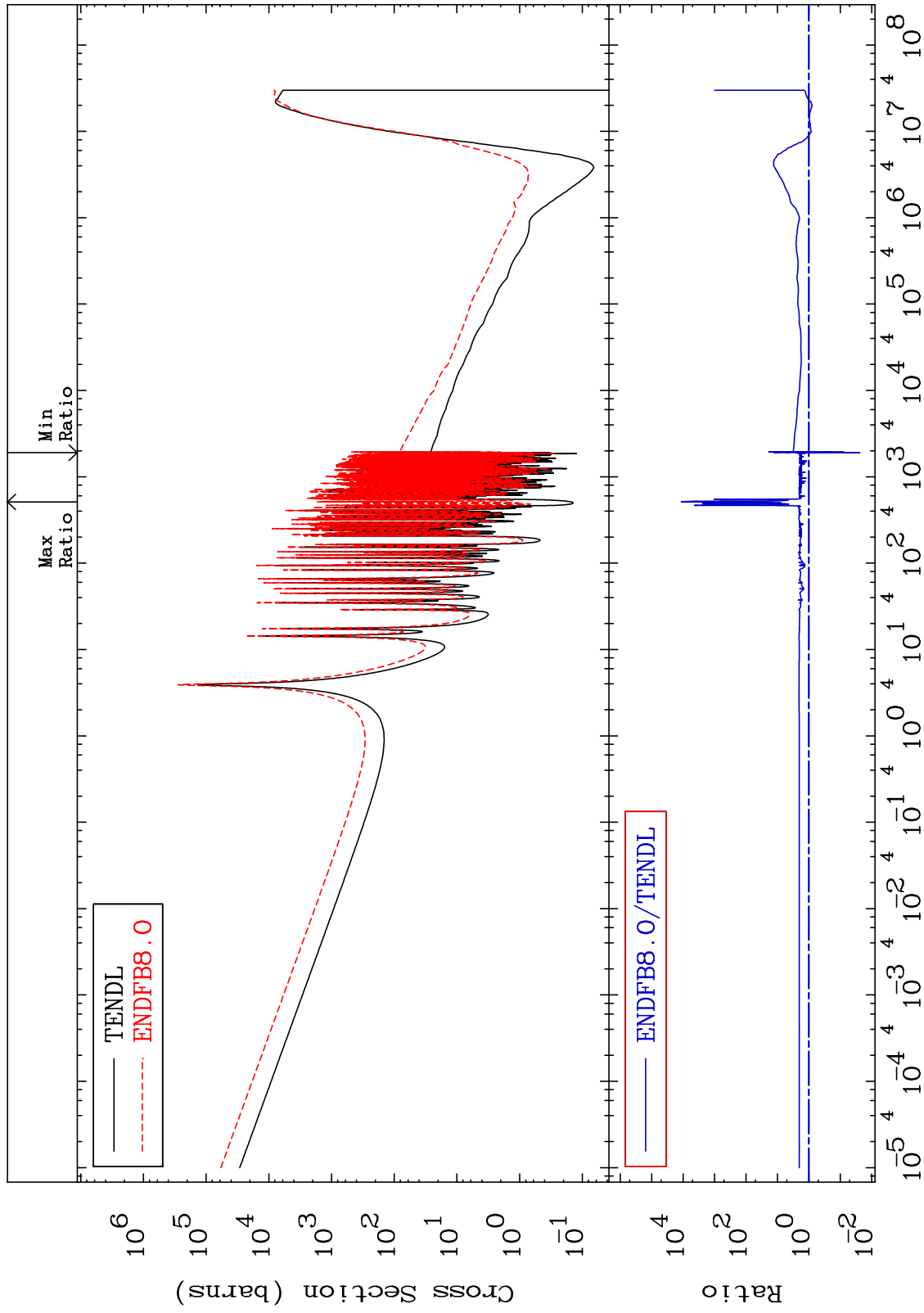
MAT 6925      Dpa inelastic (mt51-91)      69-Tm-169  
 Cross Section      -41.89 To 32.52 %



MAT 6925

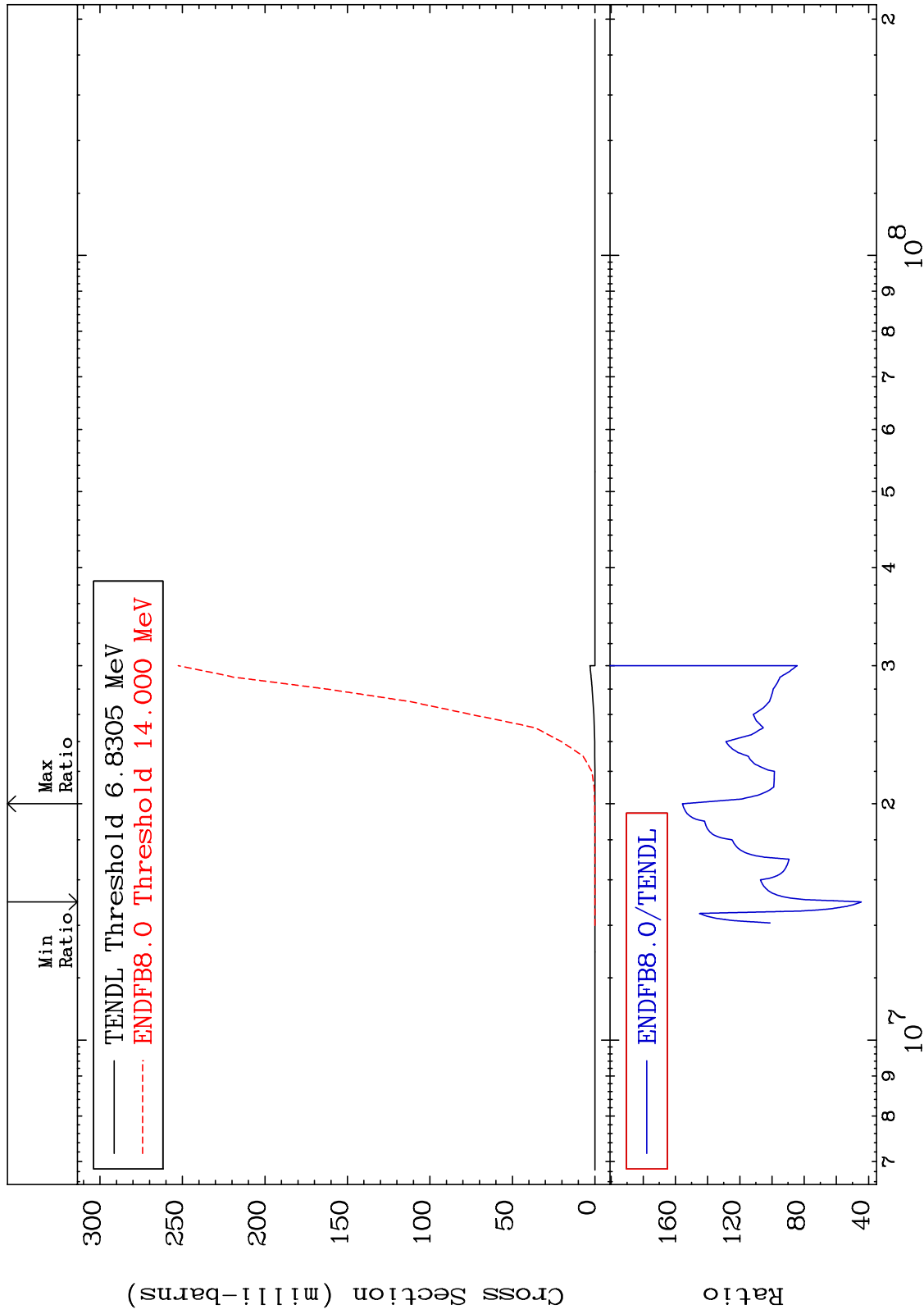
Dpa disappearance (mt102 -120)  
Cross Section

69-Tm-169  
-97.61 To 9999. %



MAT 6925

(n,2n)  $\alpha$ :67-Ho-164g 69-Tm-169  
Radionuclide Production Cross Section 4353. To 9999. %



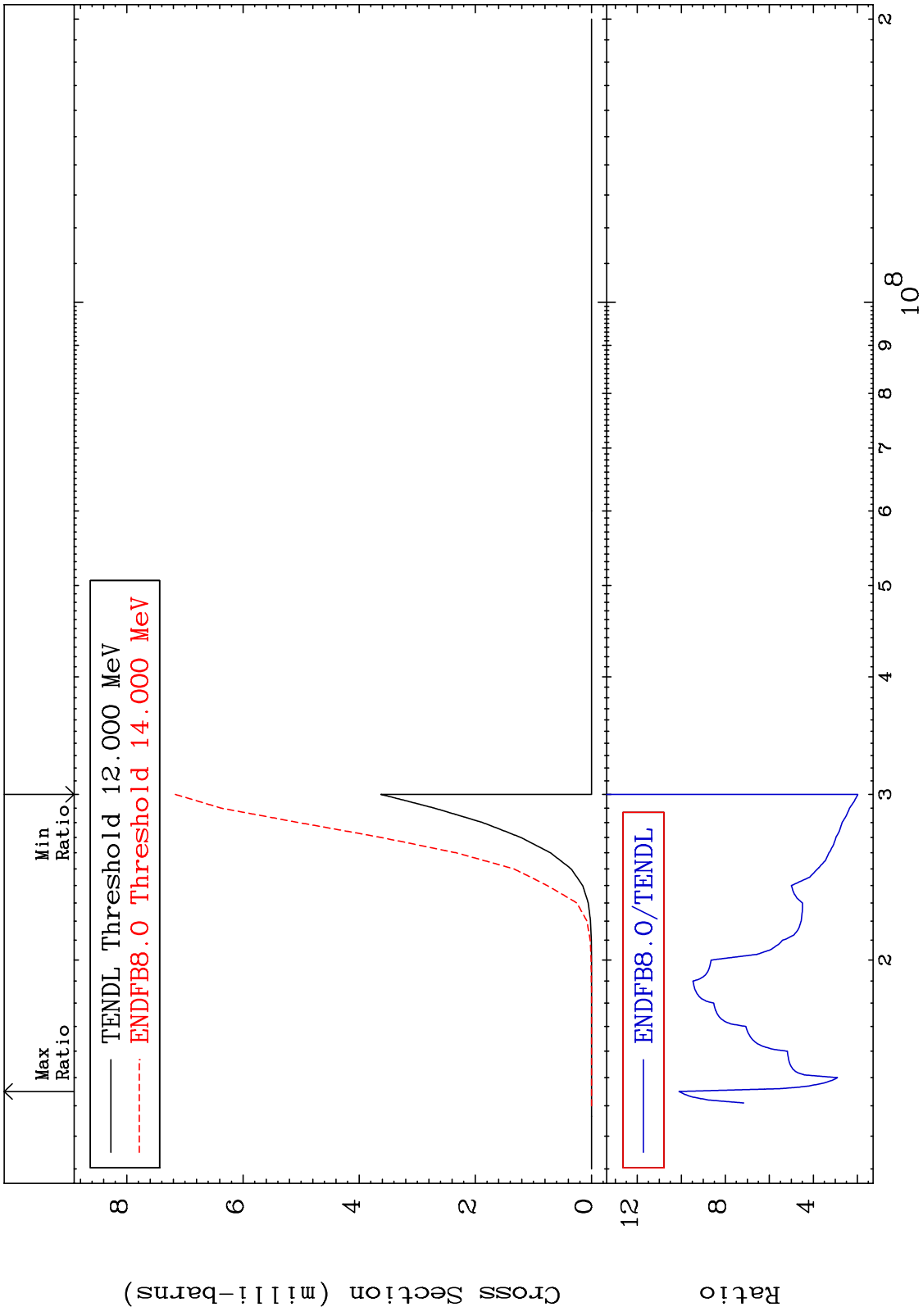
63

69-Tm-169

69-Tm-169

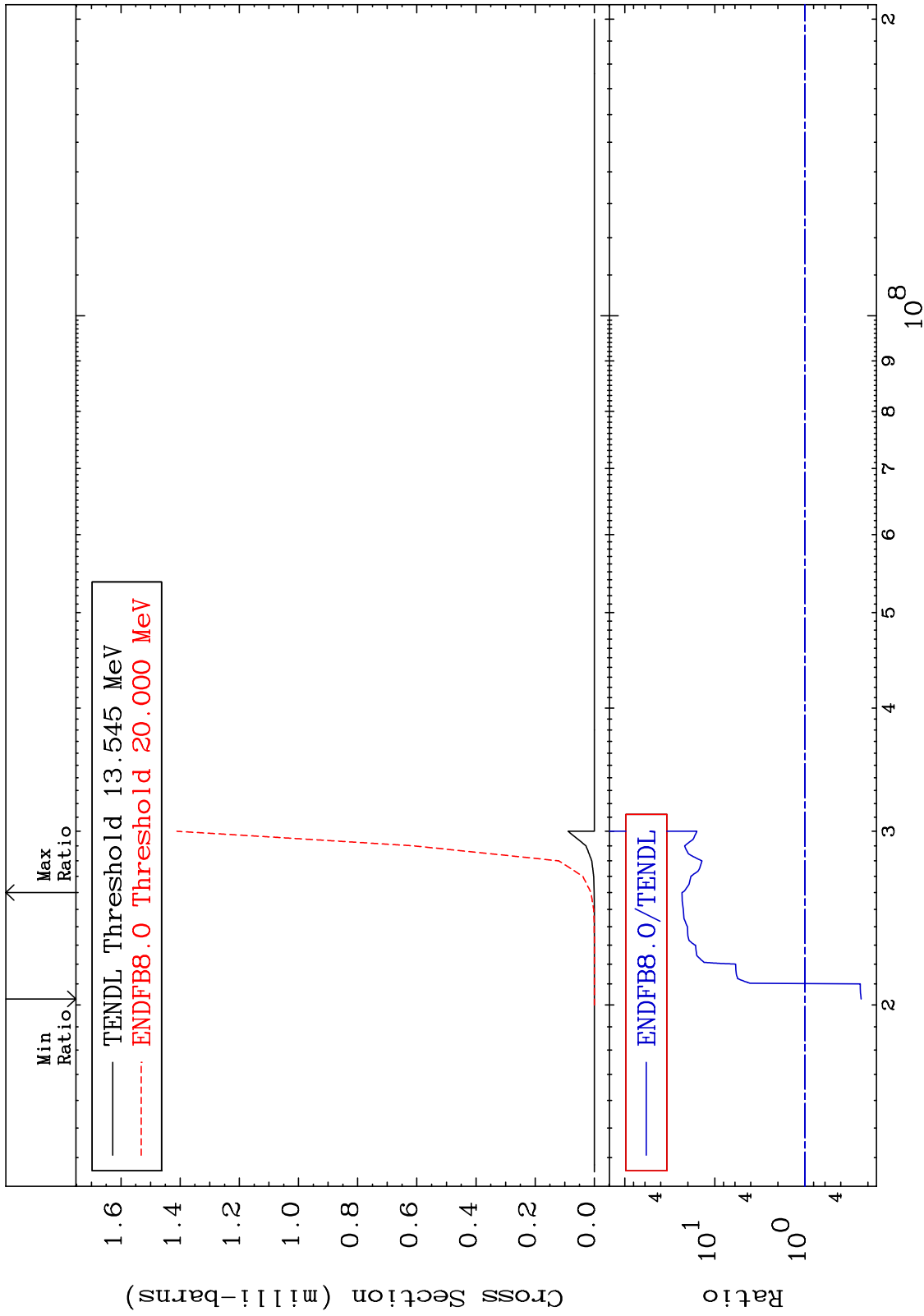


MAT 6925 (n,2n)  $\alpha$ :67-Ho-164m3 69-Tm-169  
 Radionuclide Production Cross Section 97.81 To 910.4 %



MAT 6925

(n,3n)  $\alpha$ :67-Ho-163g 69-Tm-169  
Radionuclide Production Cross Section -76.26 To 2219. %



65

Incident Energy (eV)

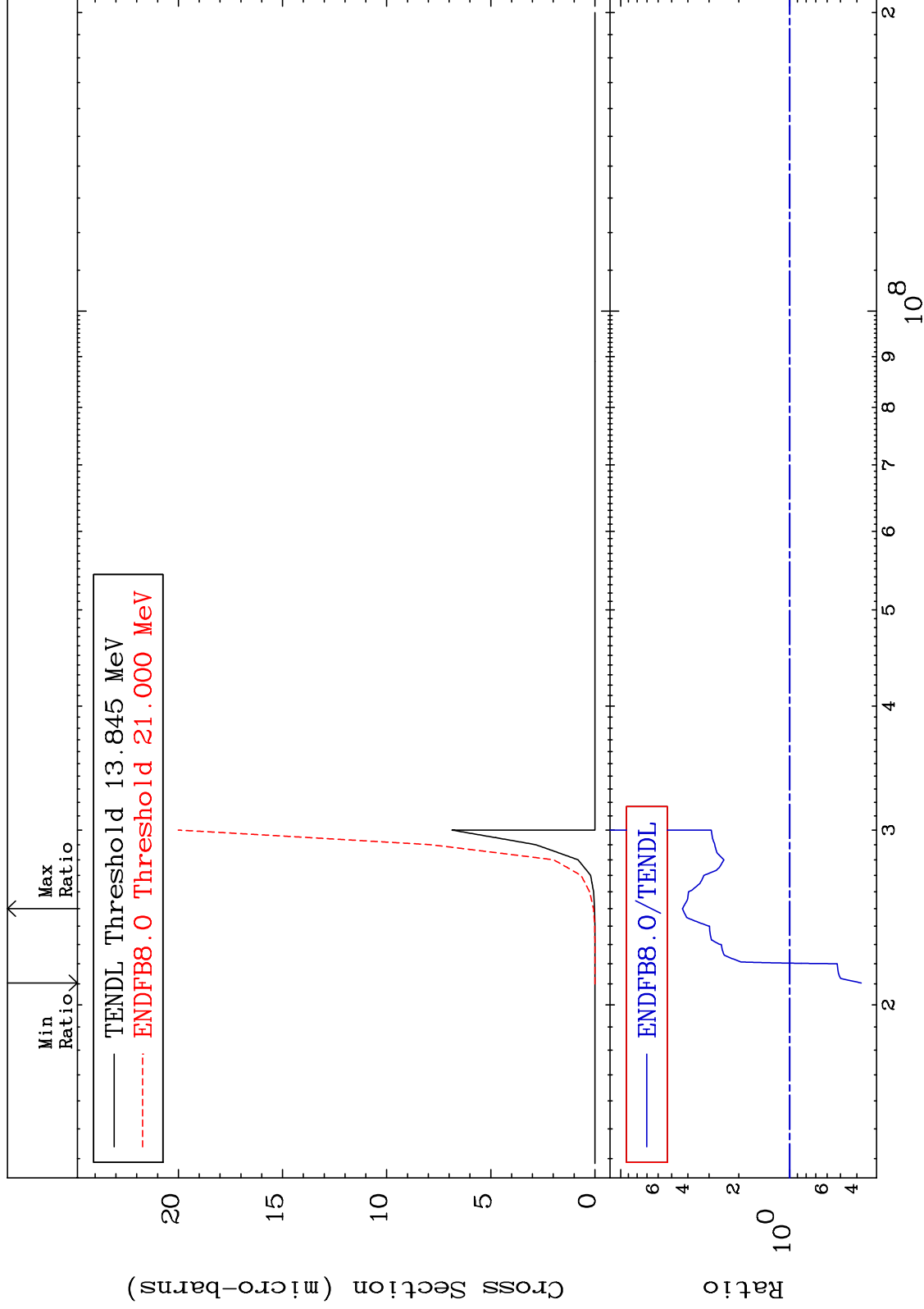
69-Tm-169

MAT 6925

(n,3n)  $\alpha$ :67-Ho-163m3

69-Tm-169

Radionuclide Production Cross Section -62.31 To 331.1 %



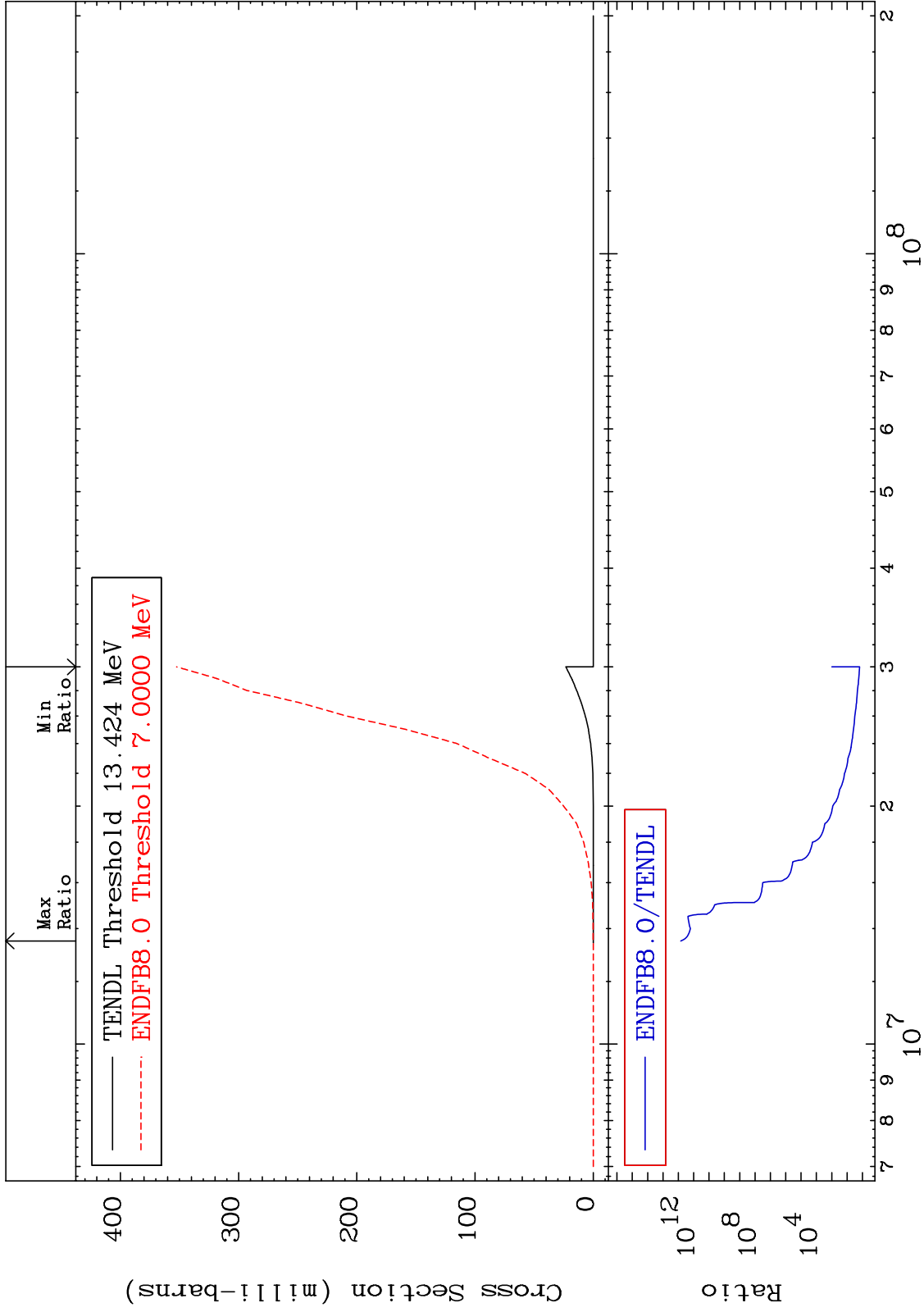
66

Incident Energy (eV)

69-Tm-169

MAT 6925

(n,2n) p:68-Er-167g 69-Tm-169  
Radionuclide Production Cross Section 1419. To 9999. %



67

69-Tm-169

MAT 6925 (n,2n) p:68-Er-167m3 69-Tm-169  
 Radionuclide Production Cross Section 682.1 To 9999. %

