

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

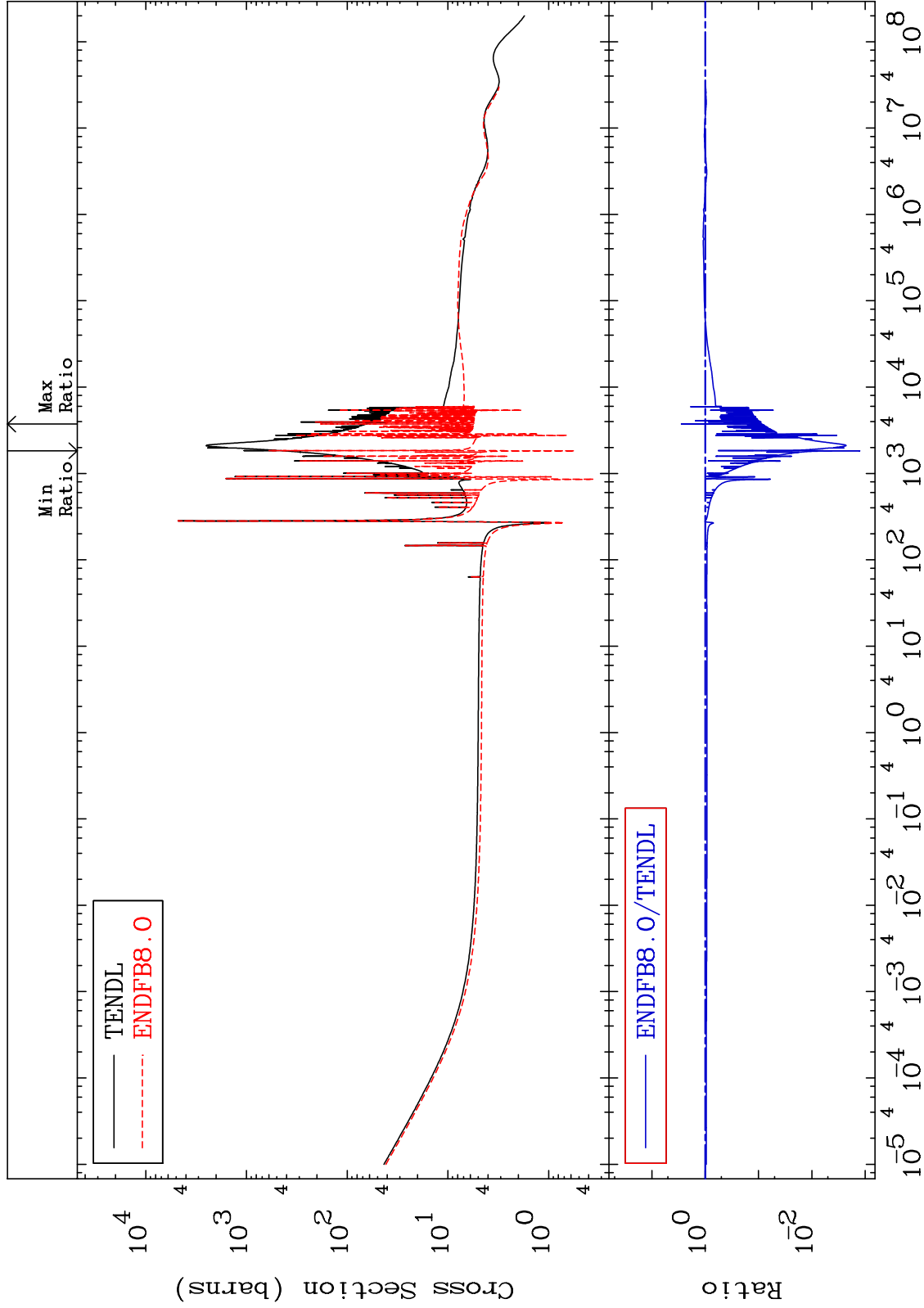
MAT 4637

Total

46-Pd-106

Cross Section

-99.87 To 181.2 %



1

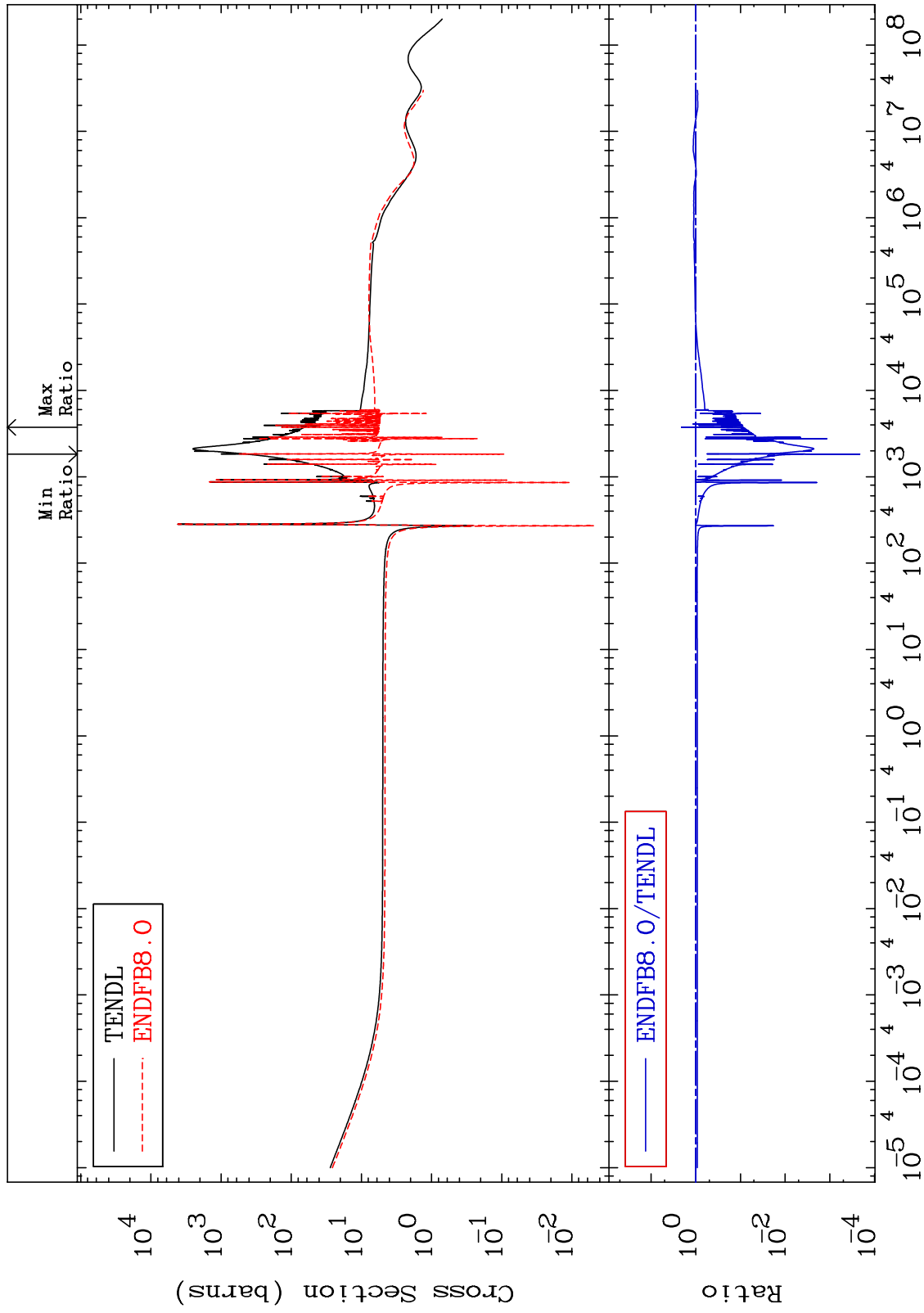
Incident Energy (eV)

46-Pd-106

MAT 4637

Elastic  
Cross Section

46-Pd-106  
-99.98 To 112.0 %

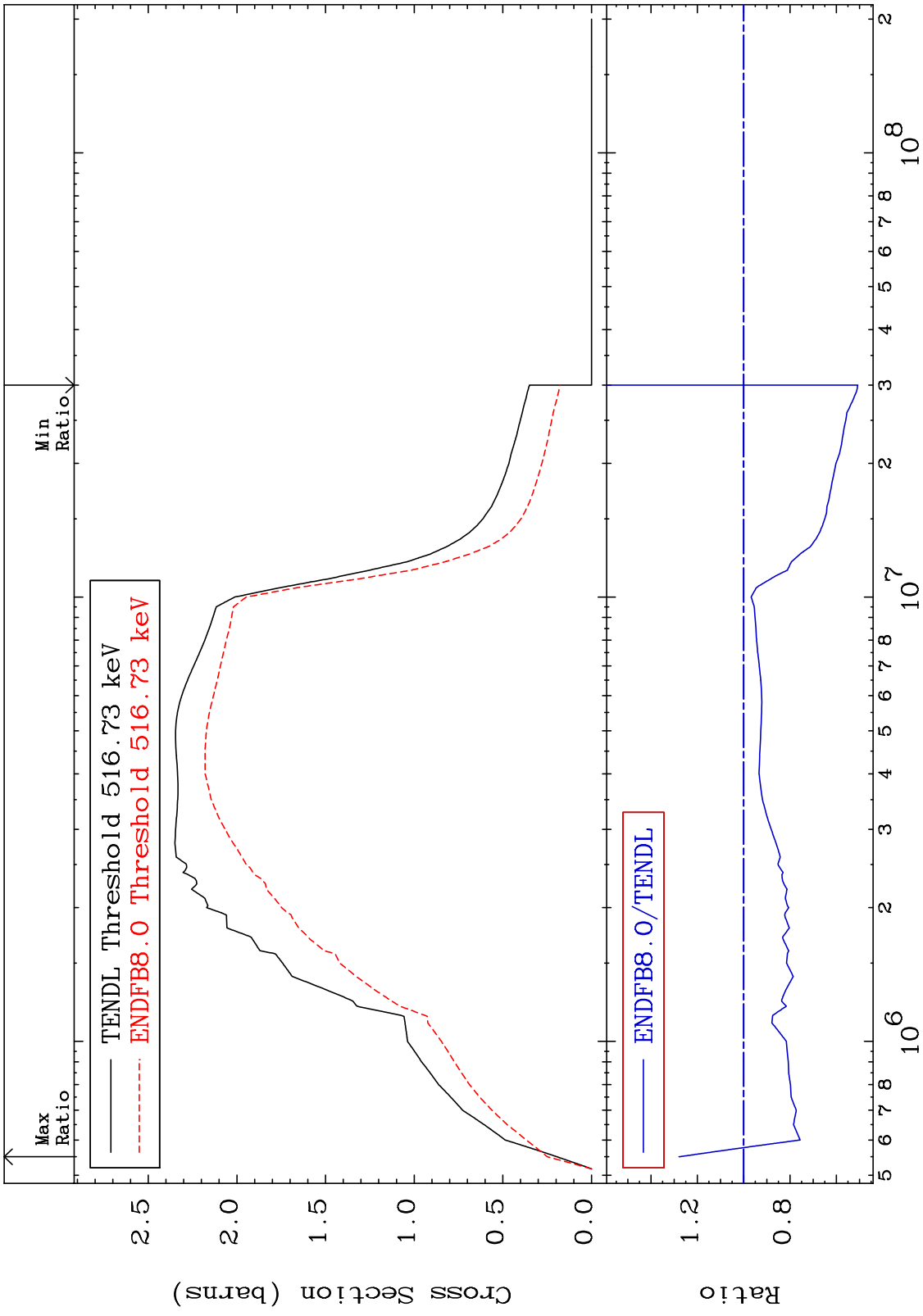


2

Incident Energy (eV)

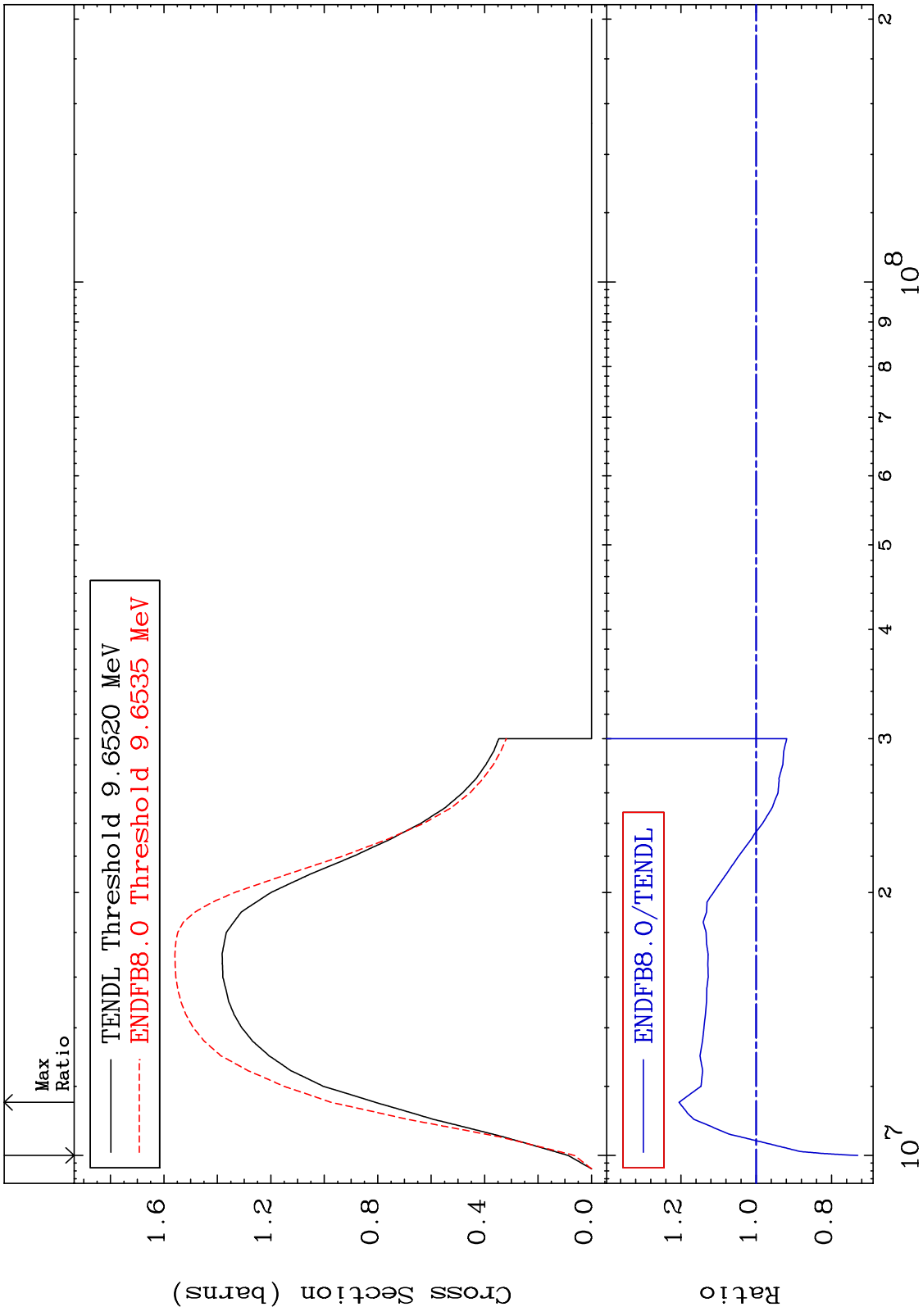
46-Pd-106

MAT 4637 Inelastic Cross Section 46-Pd-106 -49.27 To 27.89 %



3 Incident Energy (eV) 46-Pd-106

MAT 4637 (n,2n) Cross Section 46-Pd-106 -26.98 To 20.48 %



46-Pd-106

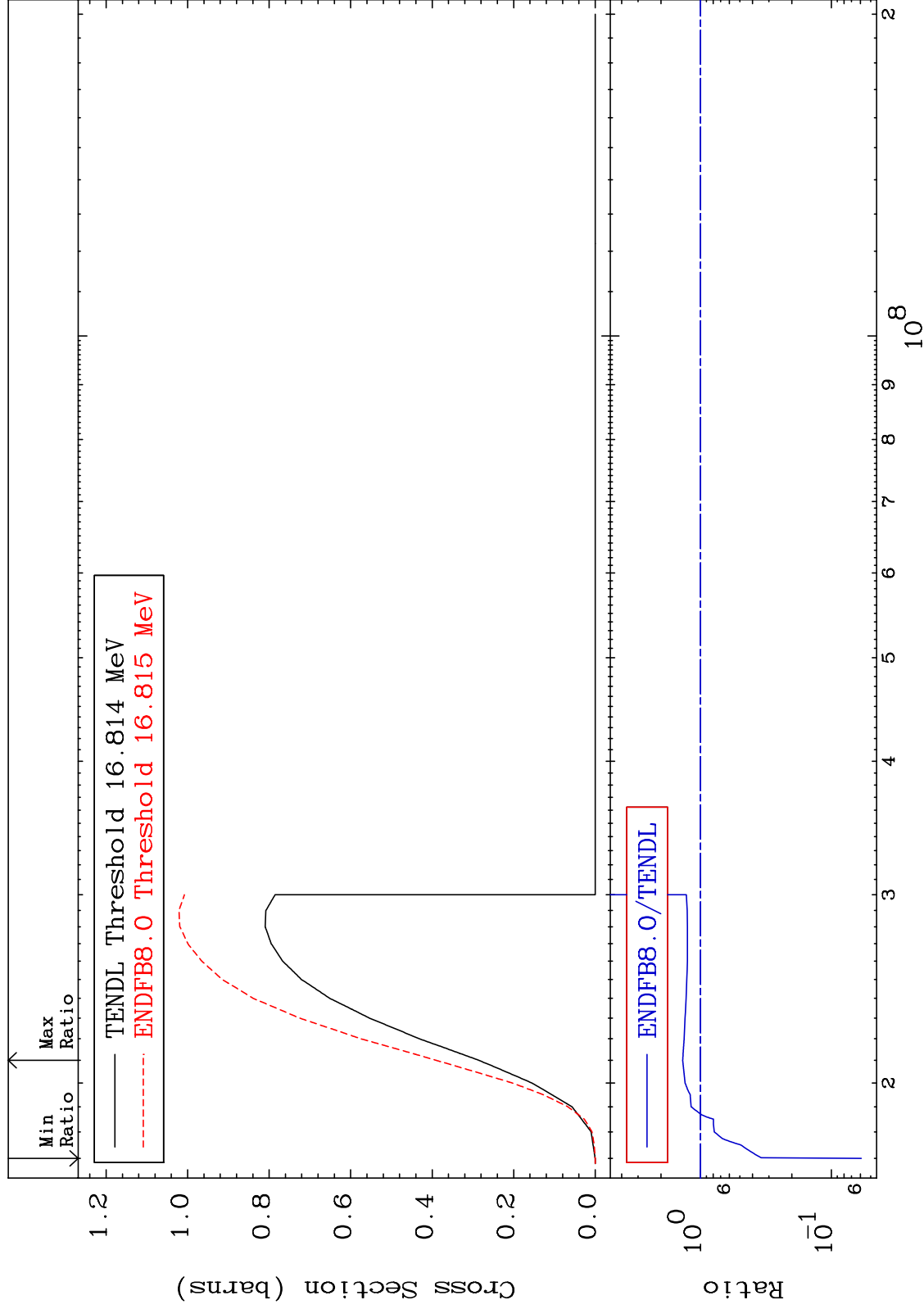
MAT 4637

(n,3n)

46-Pd-106

Cross Section

-94.11 To 36.66 %



5

Incident Energy (eV)

46-Pd-106

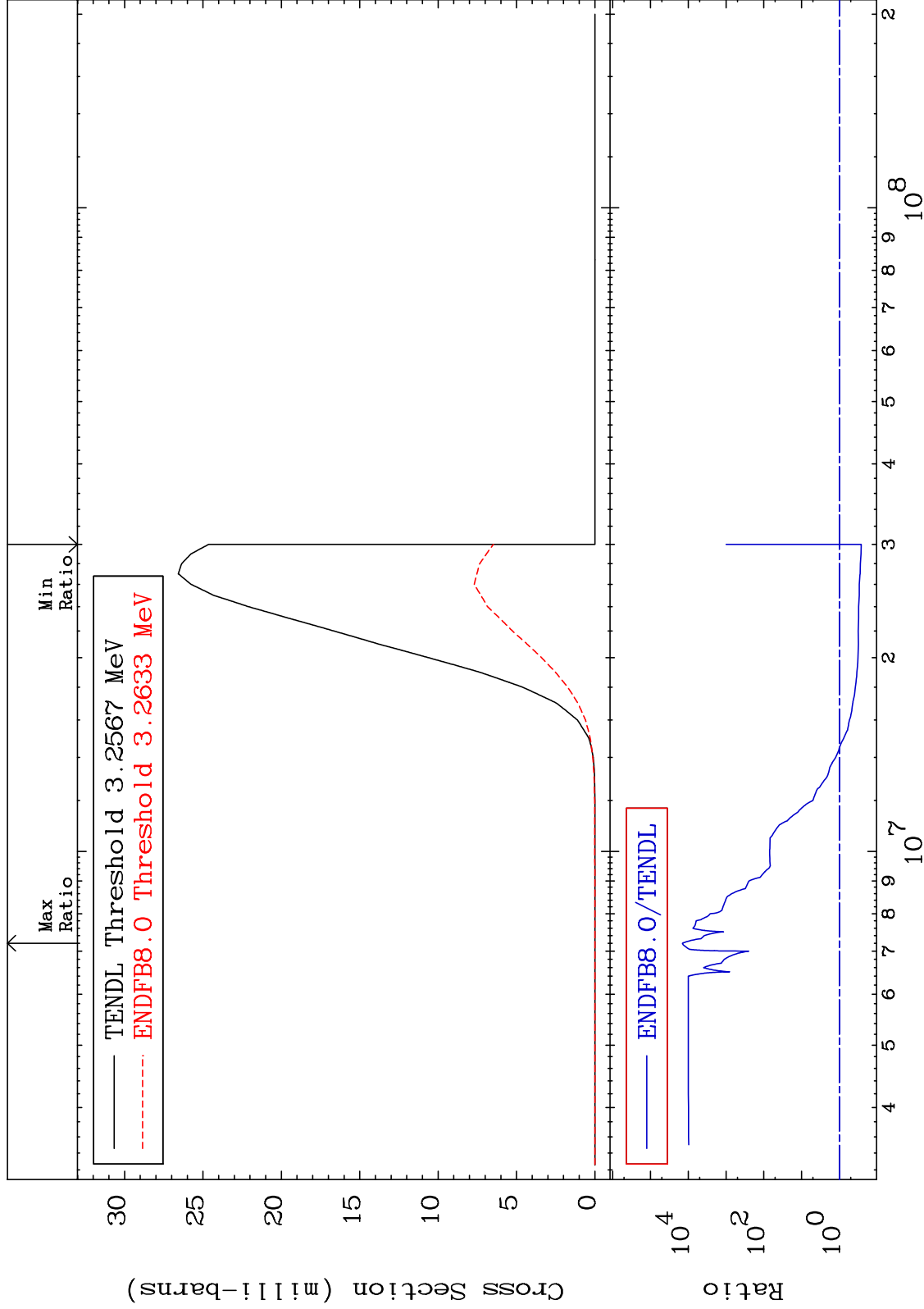
MAT 4637

(n, n')  $\alpha$

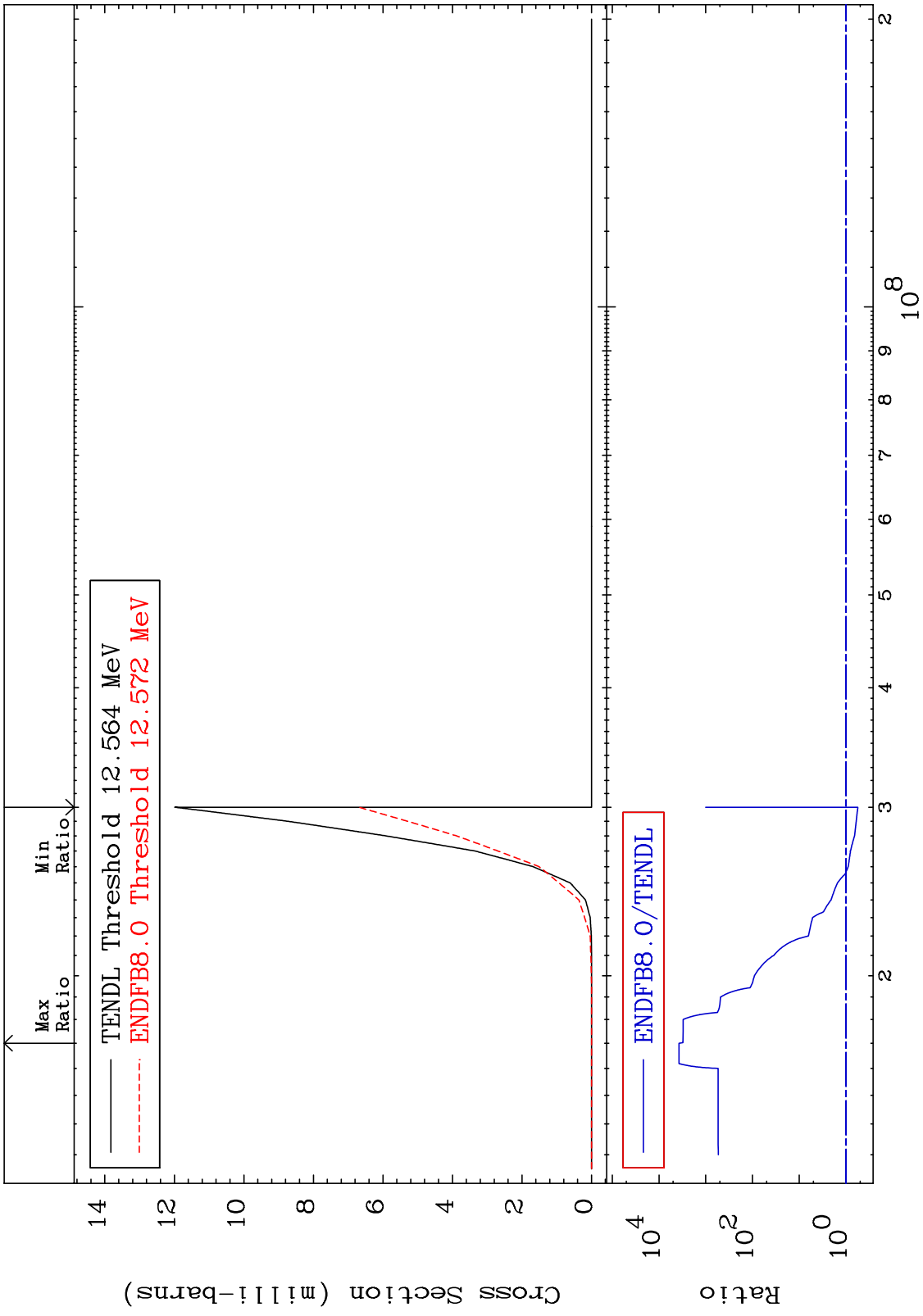
46-Pd-106

-73.72 To 9999. %

Cross Section



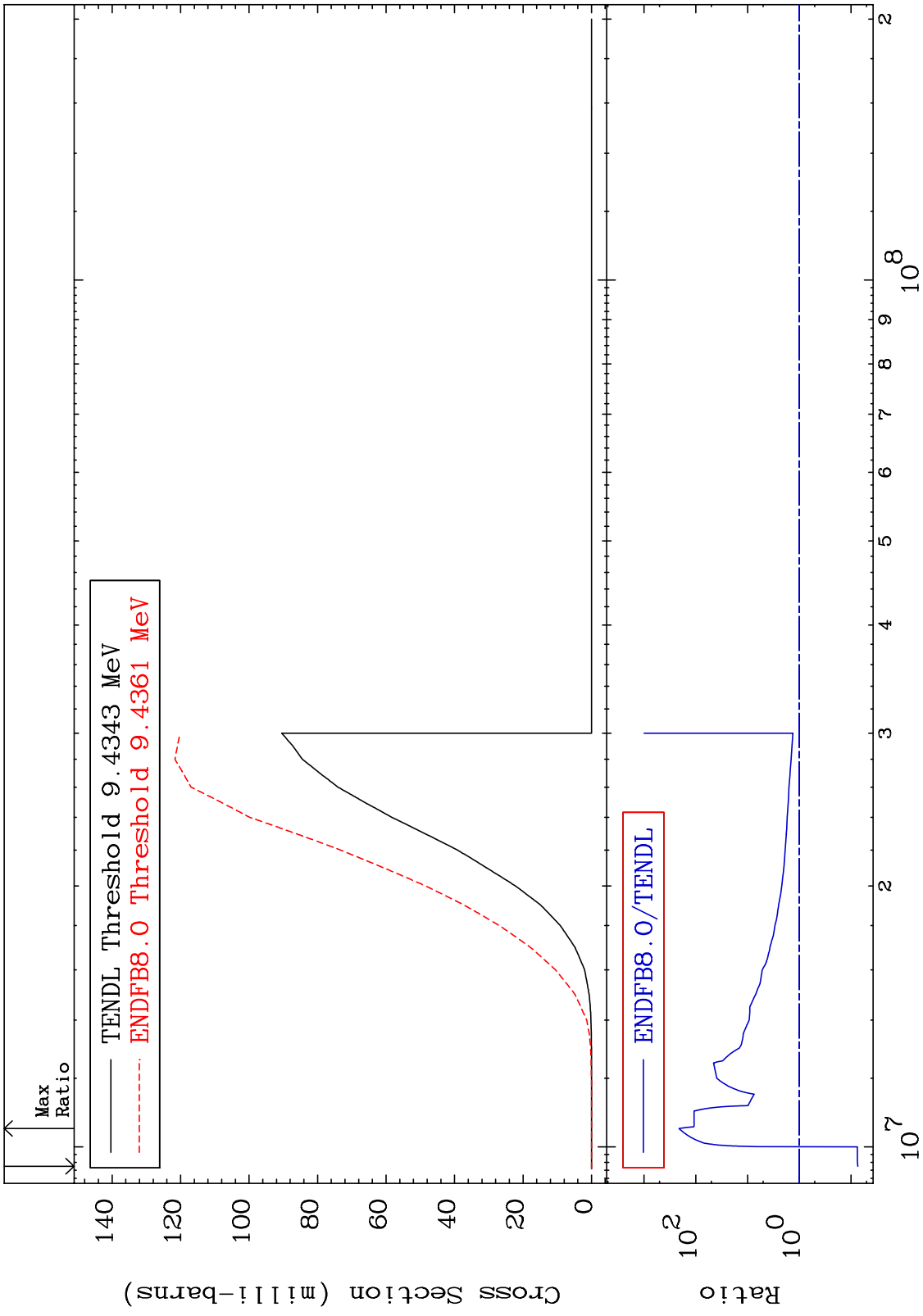
MAT 4637 (n,2n)  $\alpha$  46-Pd-106  
 Cross Section -44.12 To 9999. %



7 Incident Energy (eV) 46-Pd-106

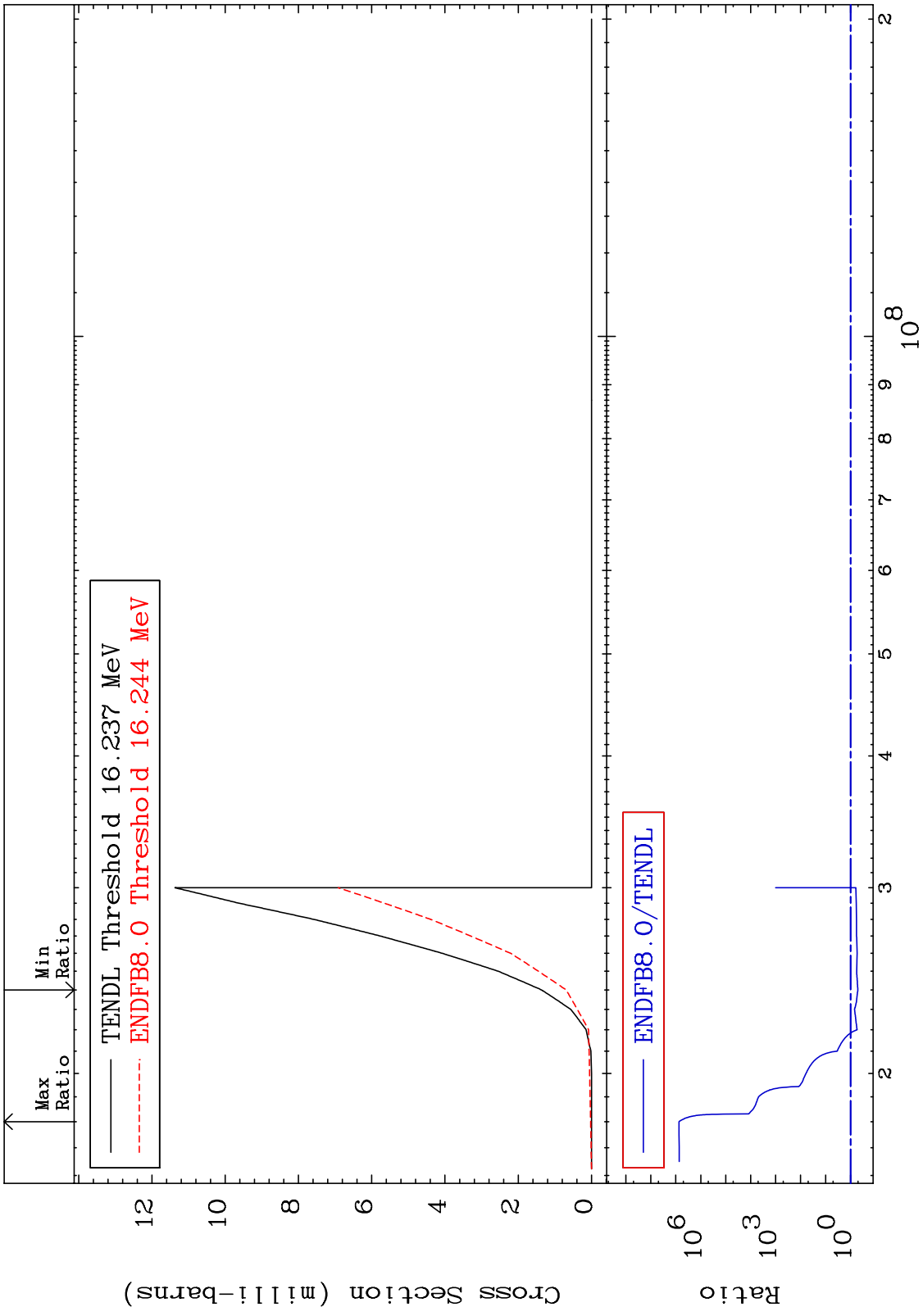


MAT 4637 (n,n') p 46-Pd-106  
Cross Section -92.63 To 9999. %

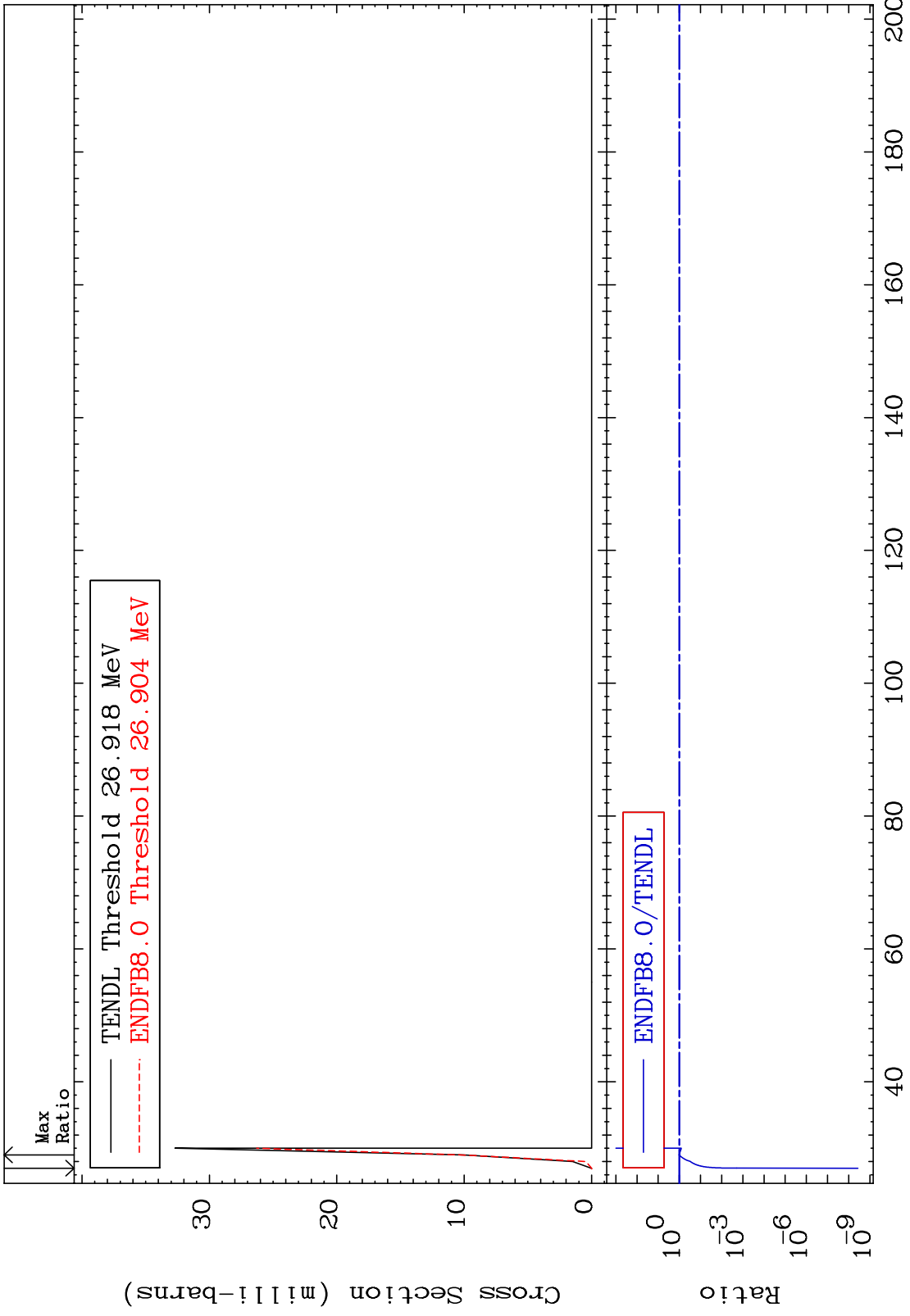


46-Pd-106

MAT 4637 (n,n') d 46-Pd-106  
 Cross Section -49.13 To 9999. %

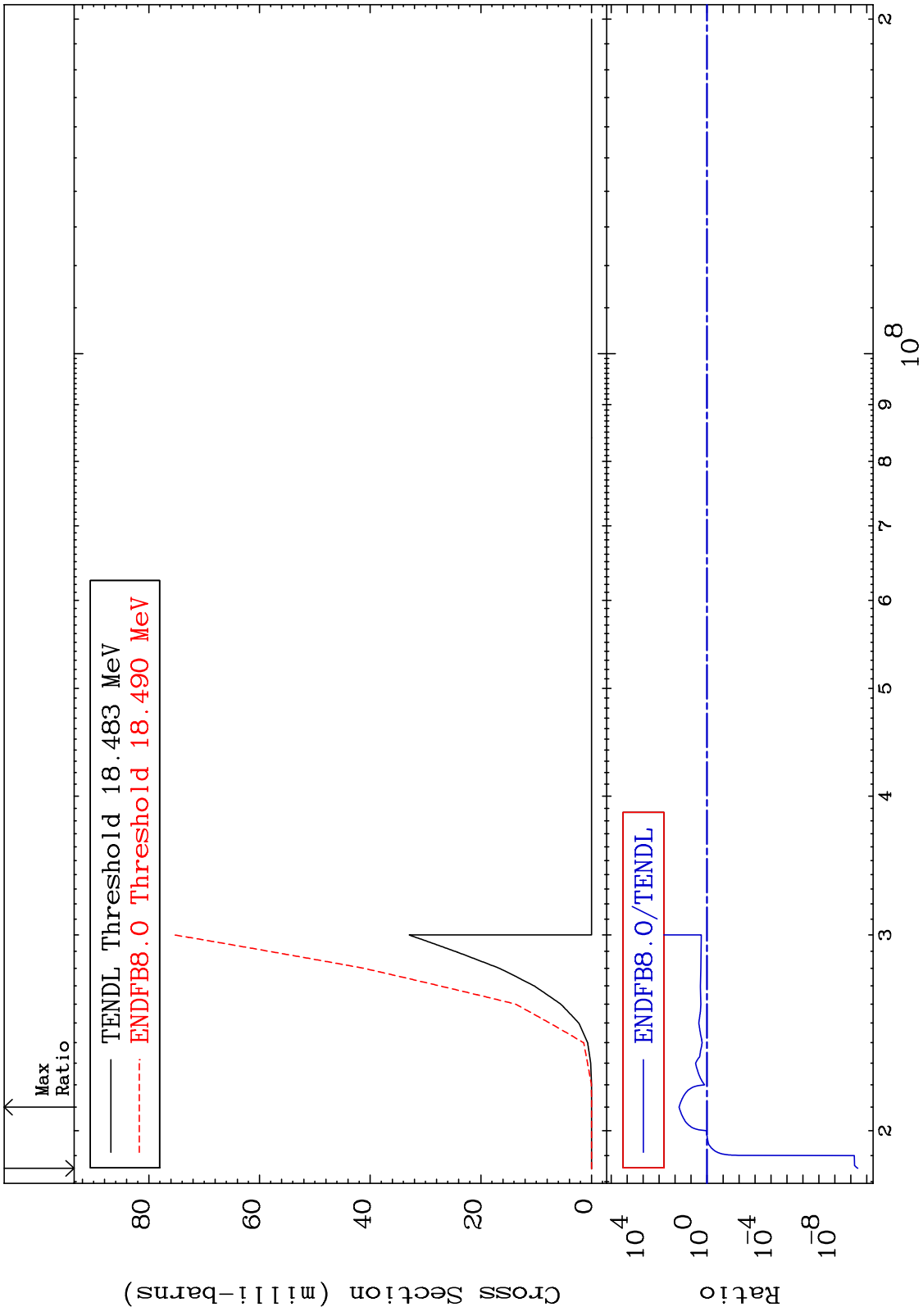


MAT 4637 (n,4n) 46-Pd-106  
Cross Section -100.0 To 2.313 %

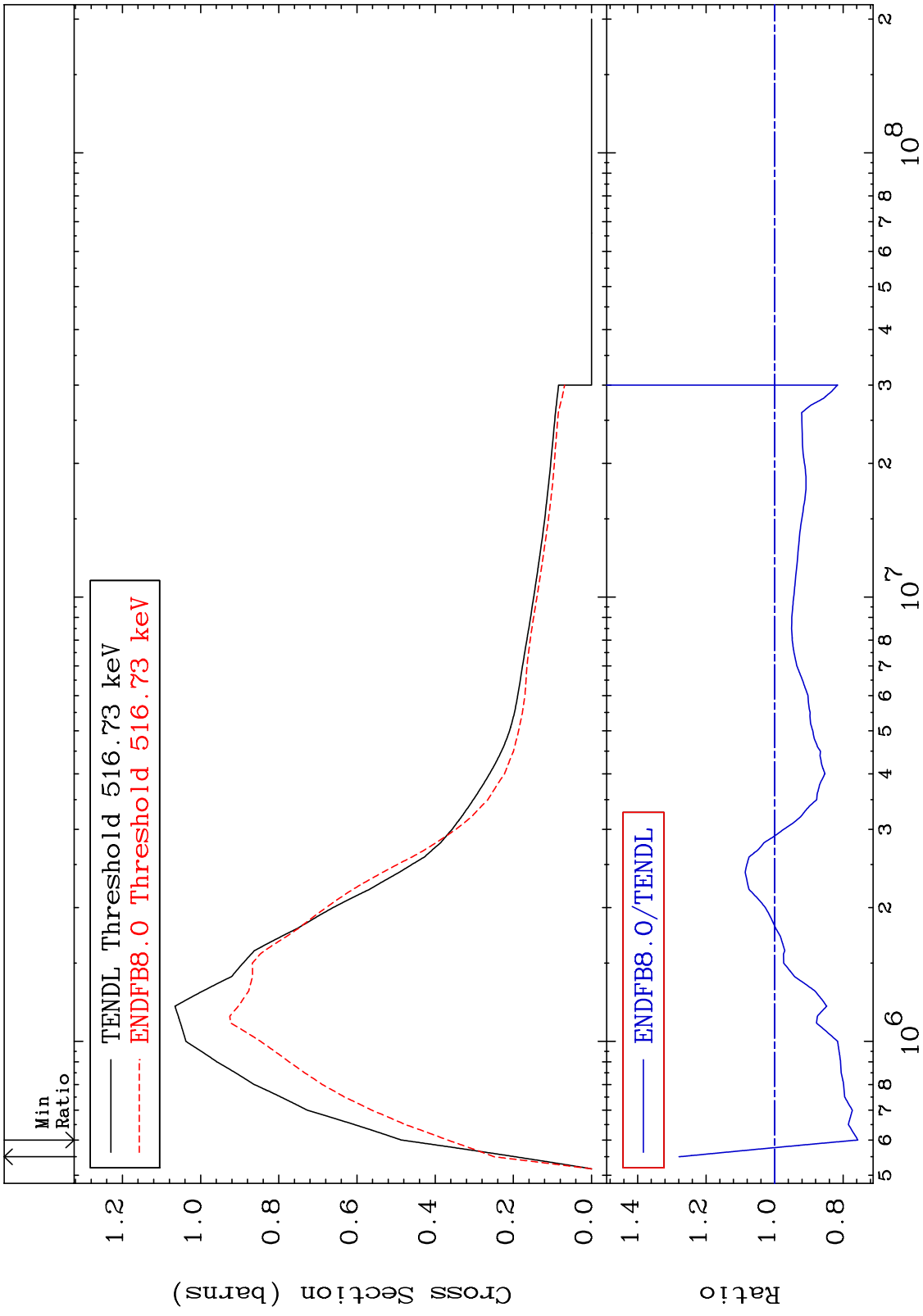


10 40 60 80 100 120 140 160 180 200 46-Pd-106

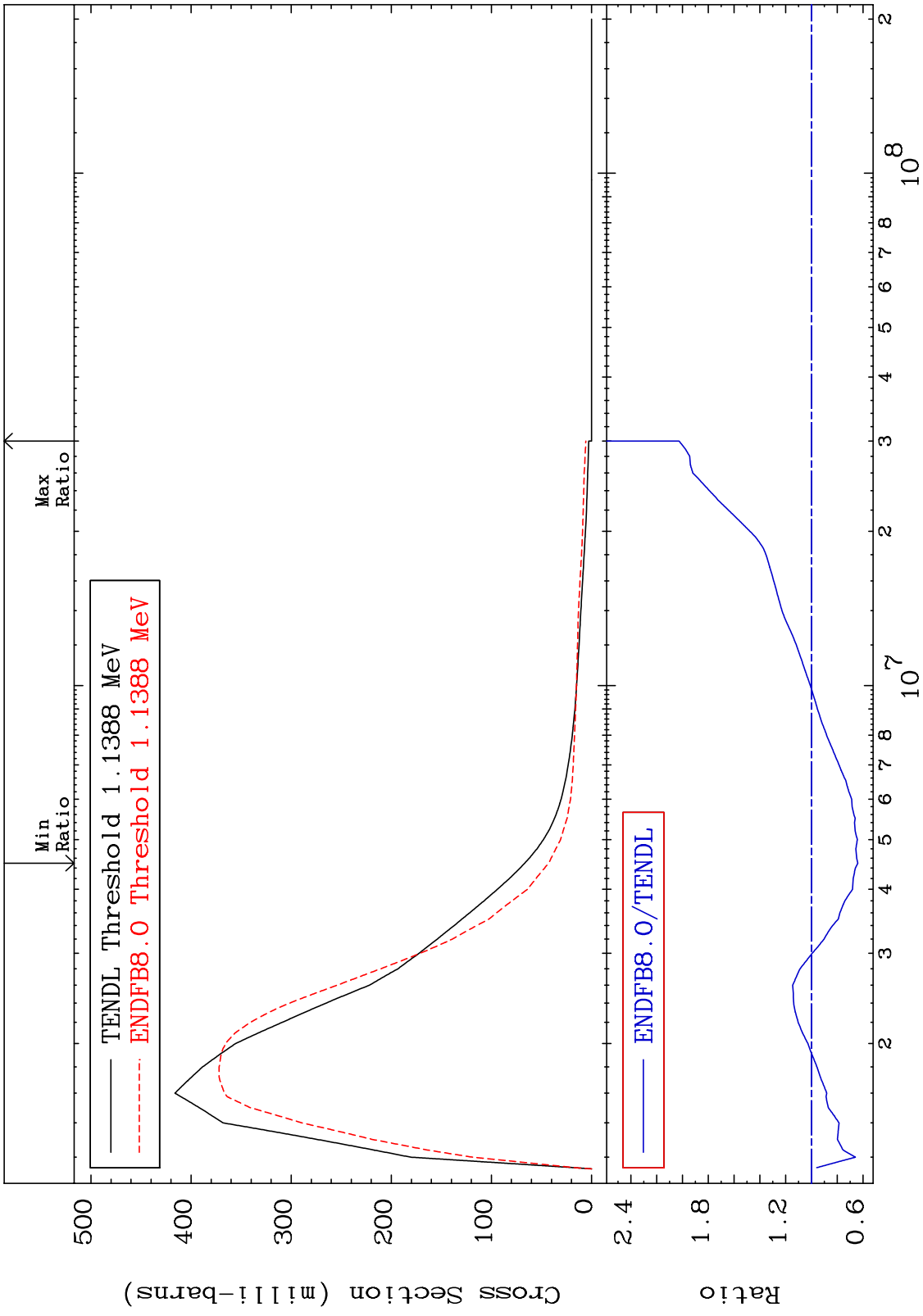
MAT 4637 (n,2n) p 46-Pd-106  
 Cross Section -100.0 To 5598. %



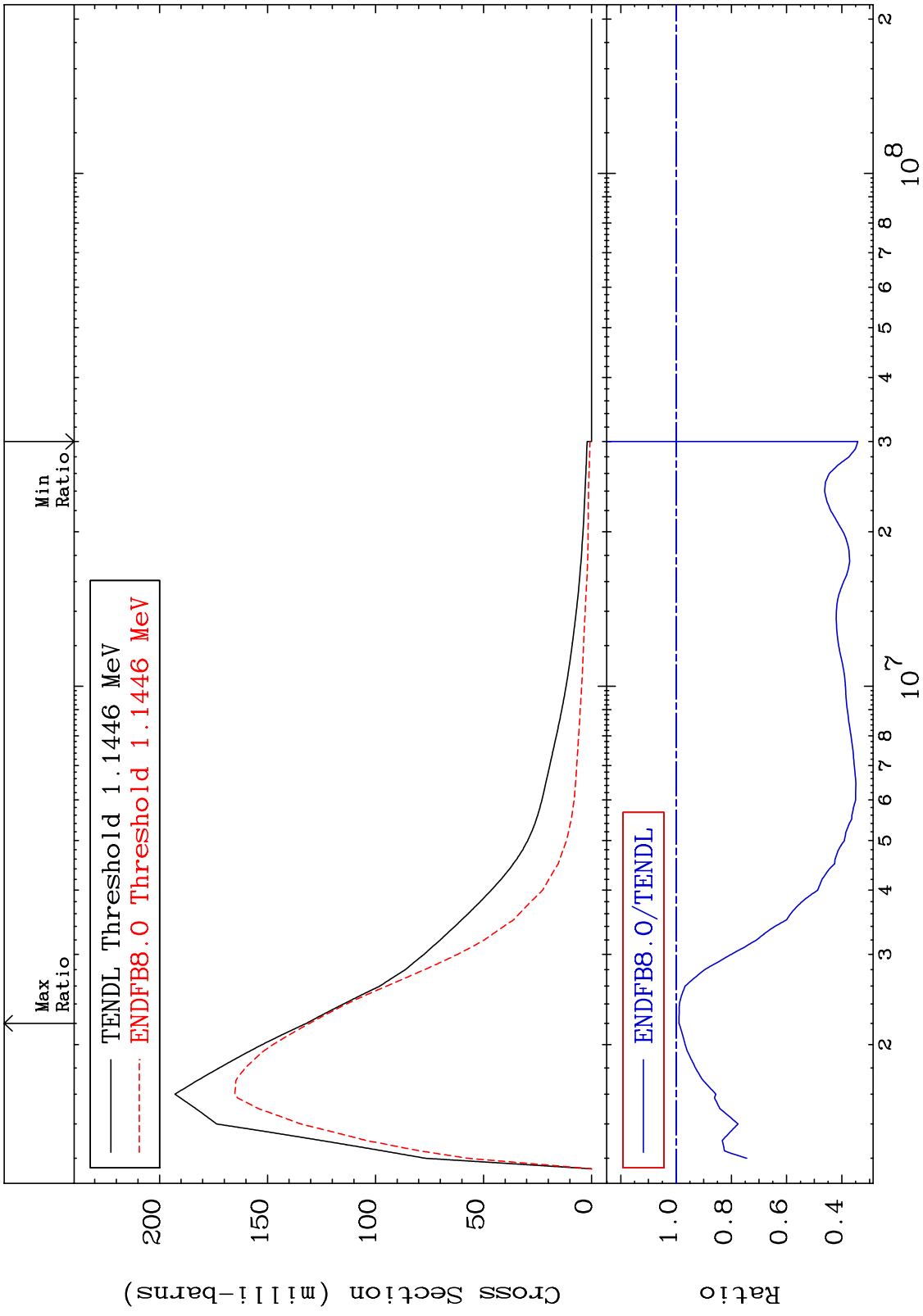
MAT 4637 MT= 51 (n,n') Level Cross Section 46-Pd-106 -24.30 To 27.89 %



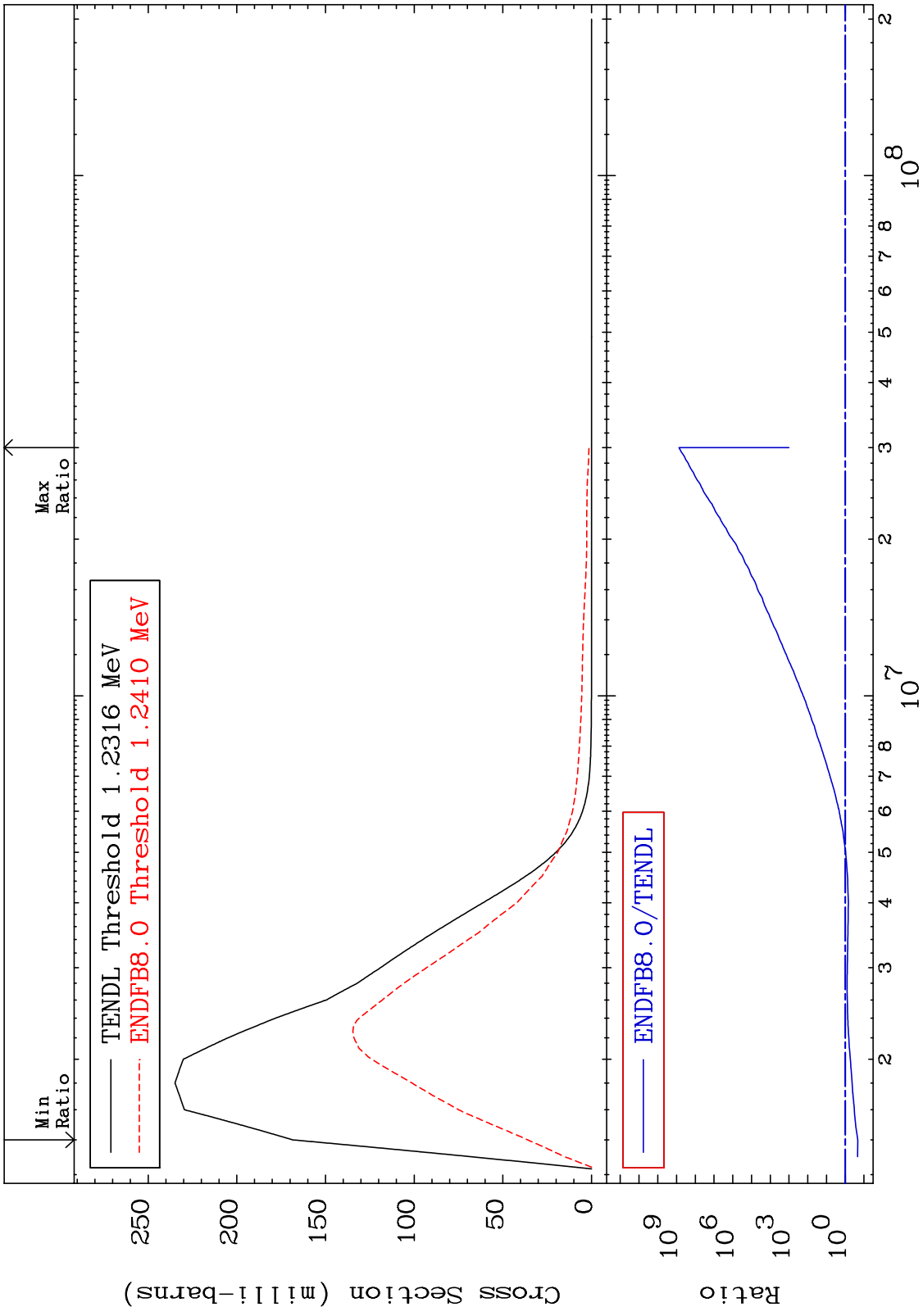
MAT 4637 MT= 52 (n,n') Level Cross Section 46-Pd-106  
 -35.96 To 102.7 %



MAT 4637 MT= 53 (n,n') Level Cross Section 46-Pd-106 -65.78 To -1.071%



MAT 4637      MT= 54 (n,n') Level Cross Section      46-Pd-106  
 -78.64 To 9999. %

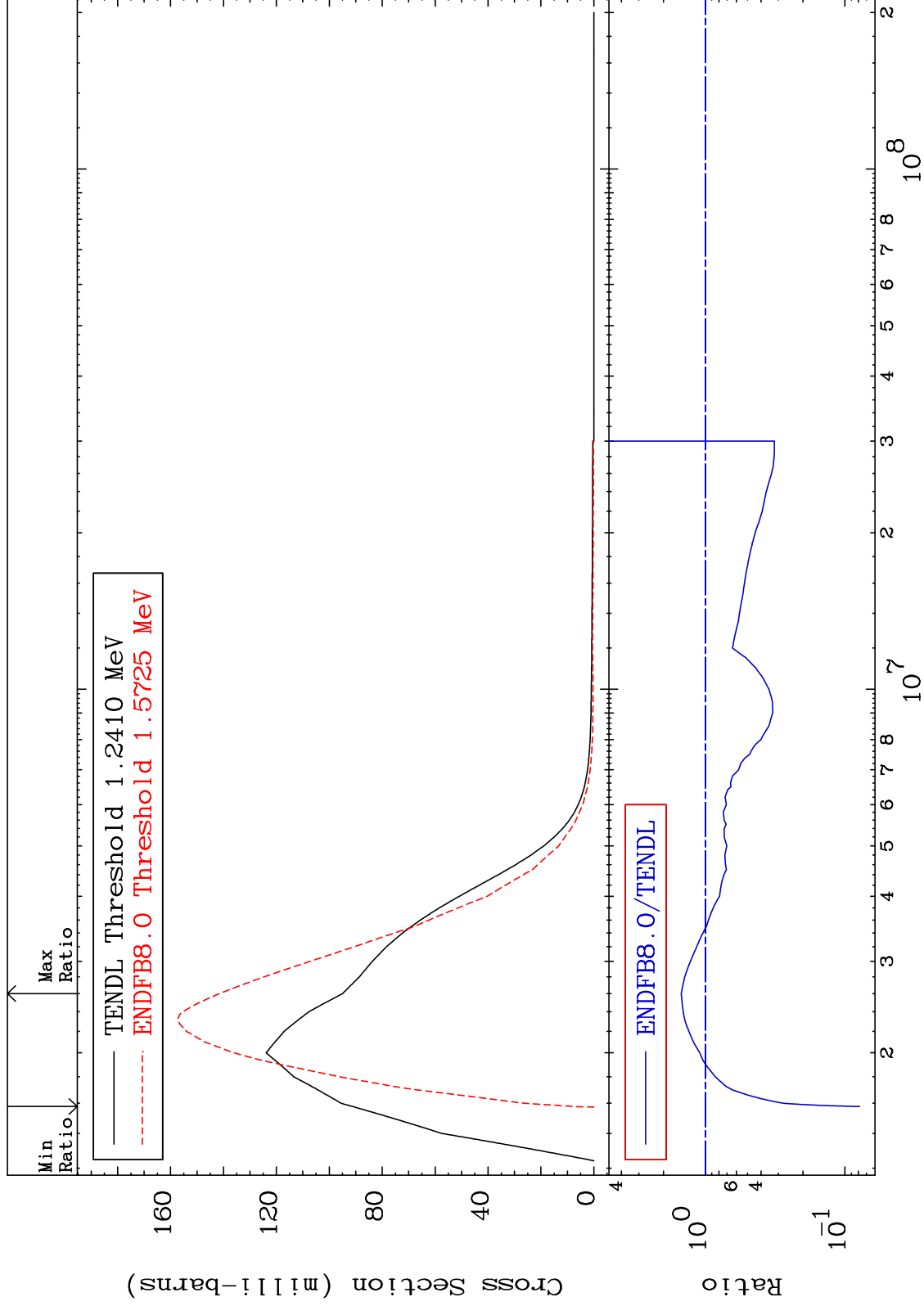




MAT 4637

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

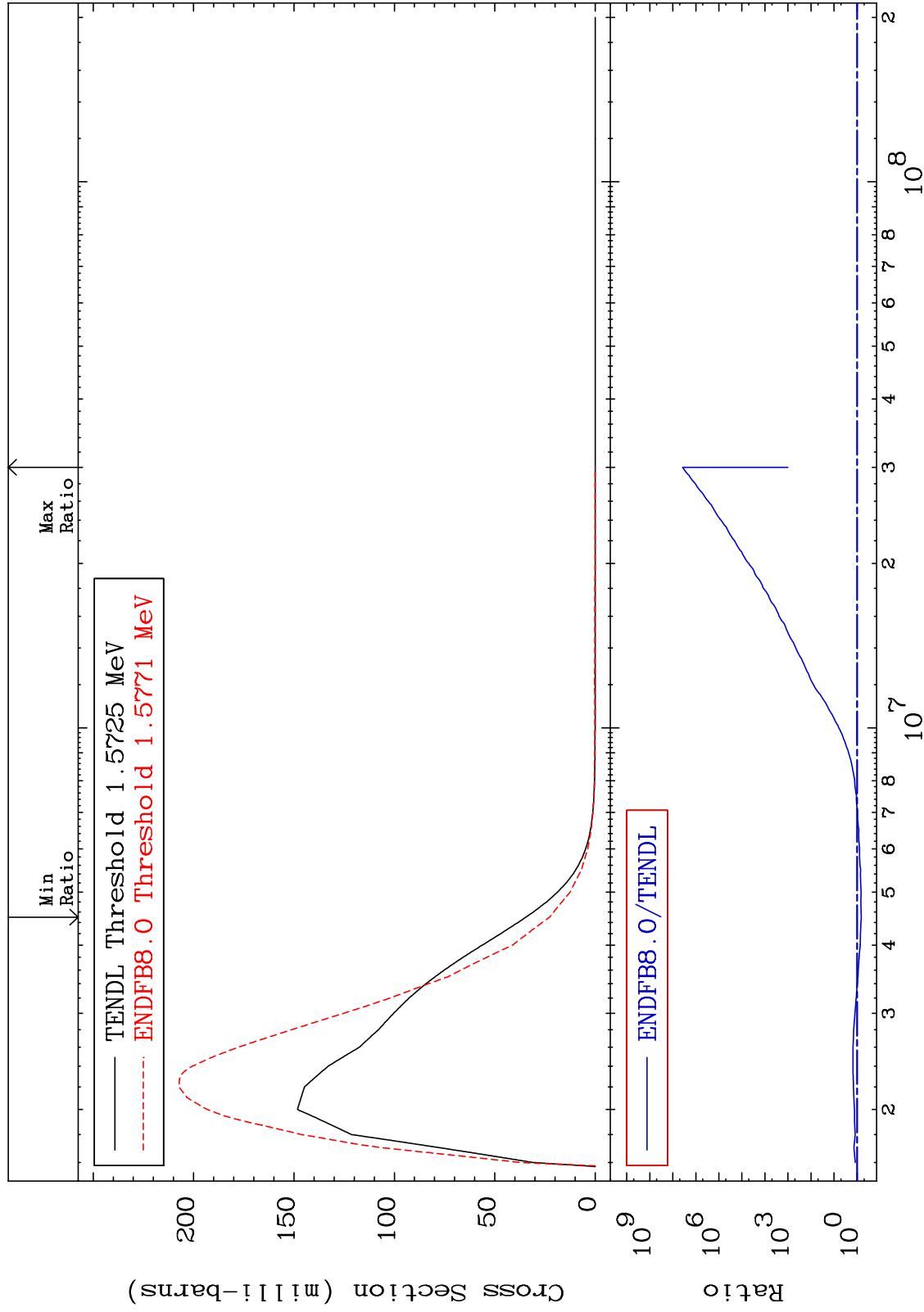
46-Pd-106  
-92.17 To 49.10 %



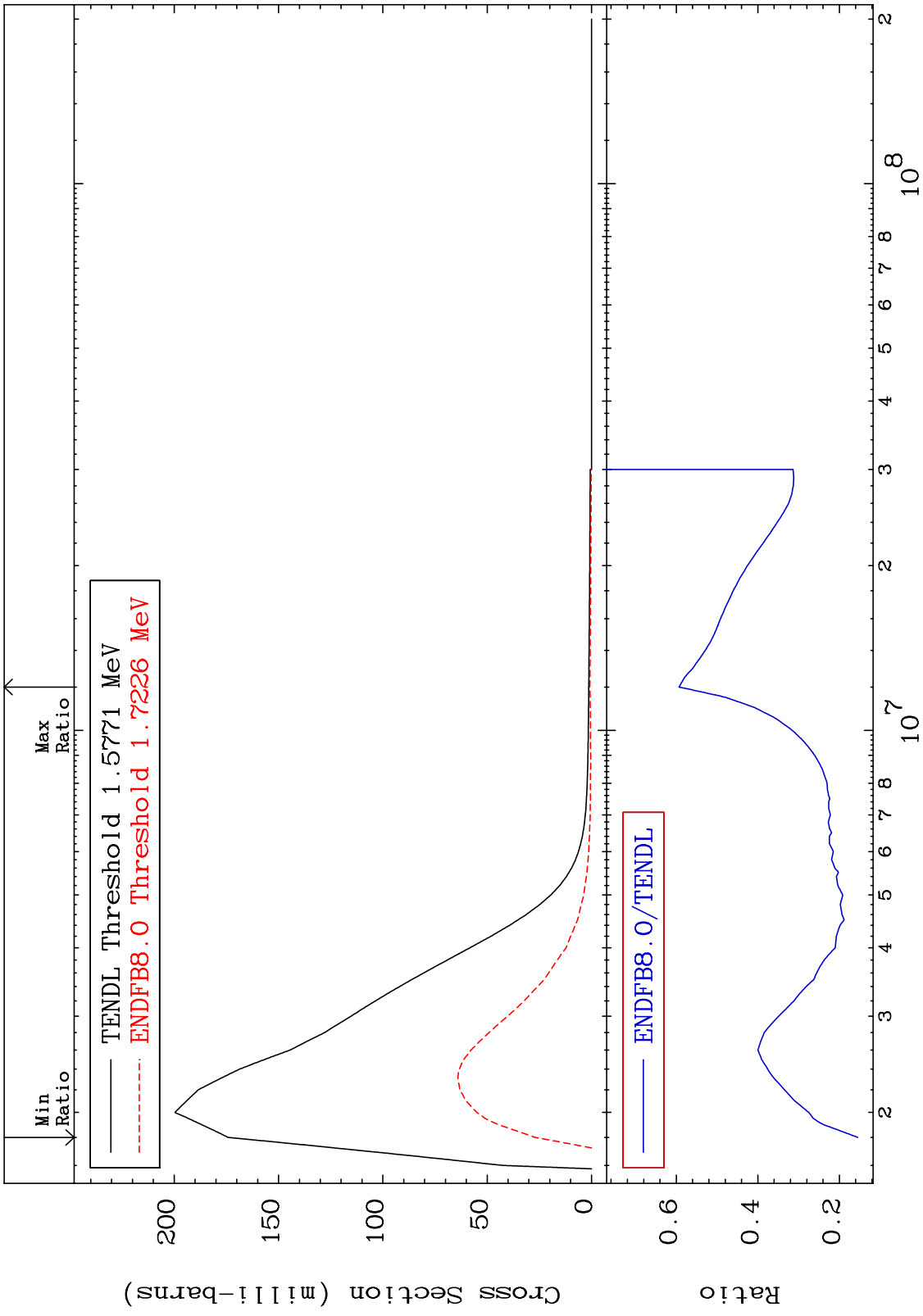
MAT 4637

MT= 56 (n,n') Level  
Cross Section

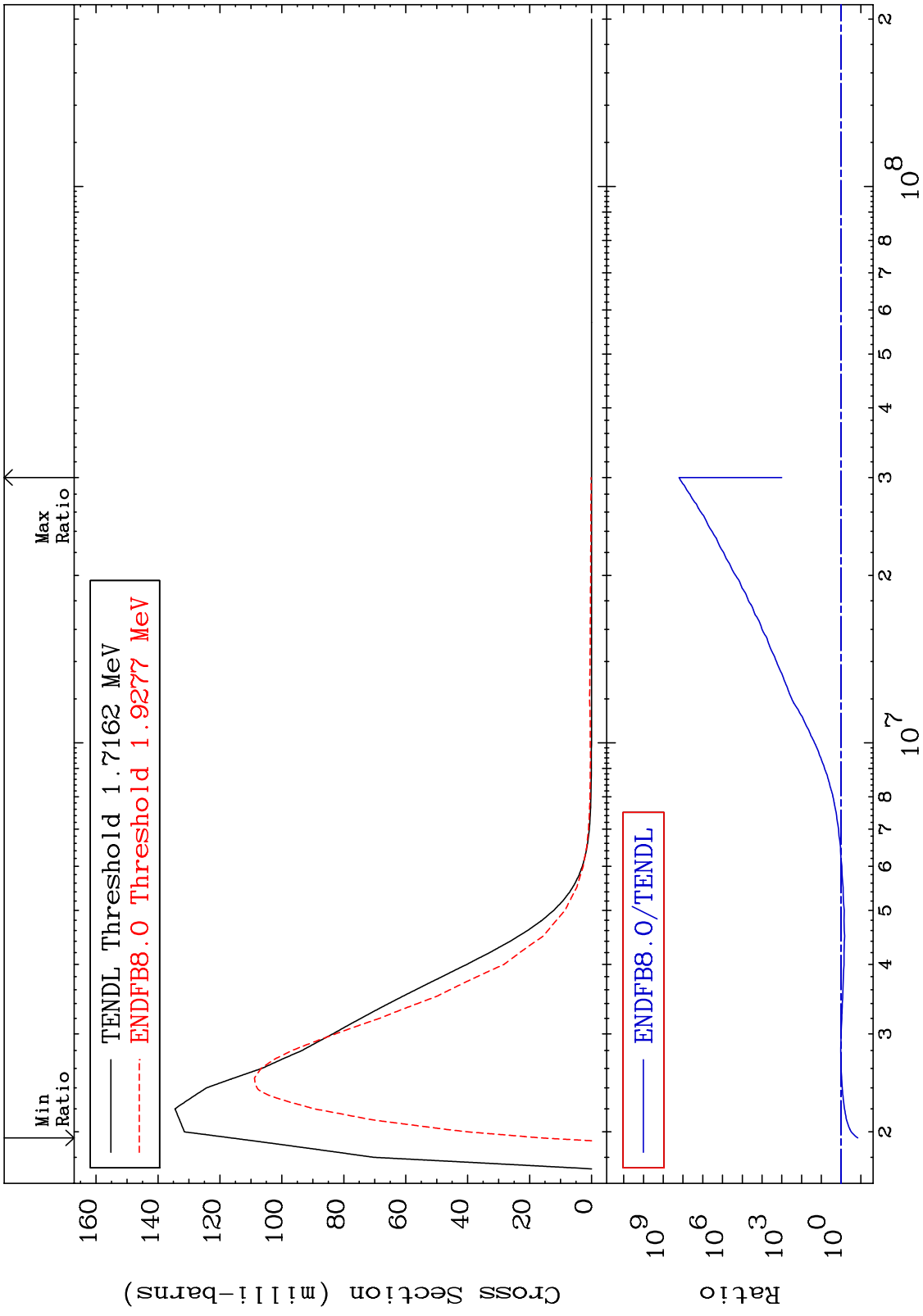
46-Pd-106  
-34.37 To 9999. %



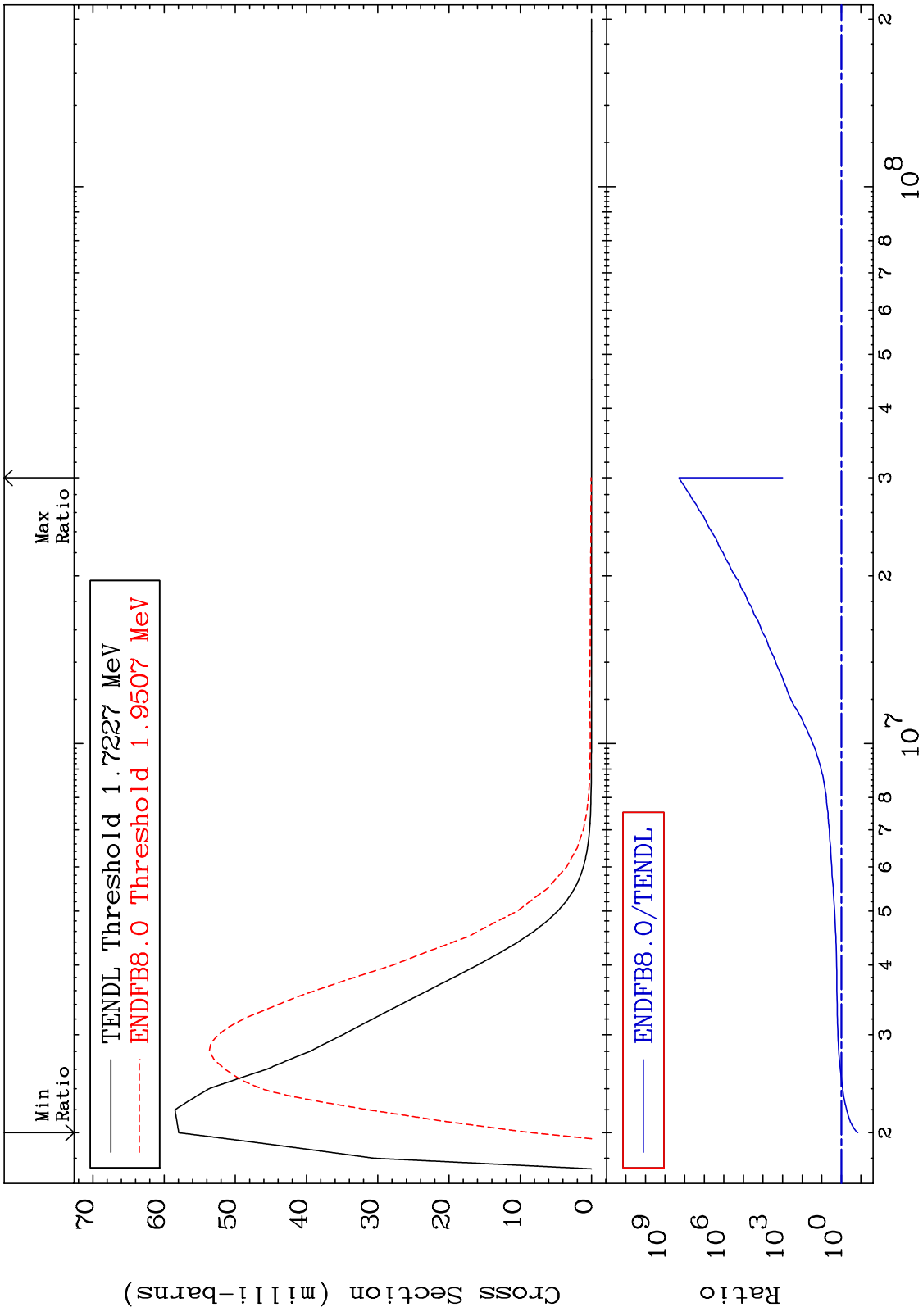
MAT 4637      MT= 57 (n,n') Level Cross Section      46-Pd-106  
 -84.52 To -40.67%



MAT 4637 MT= 58 (n,n') Level Cross Section 46-Pd-106  
 -85.84 To 9999. %



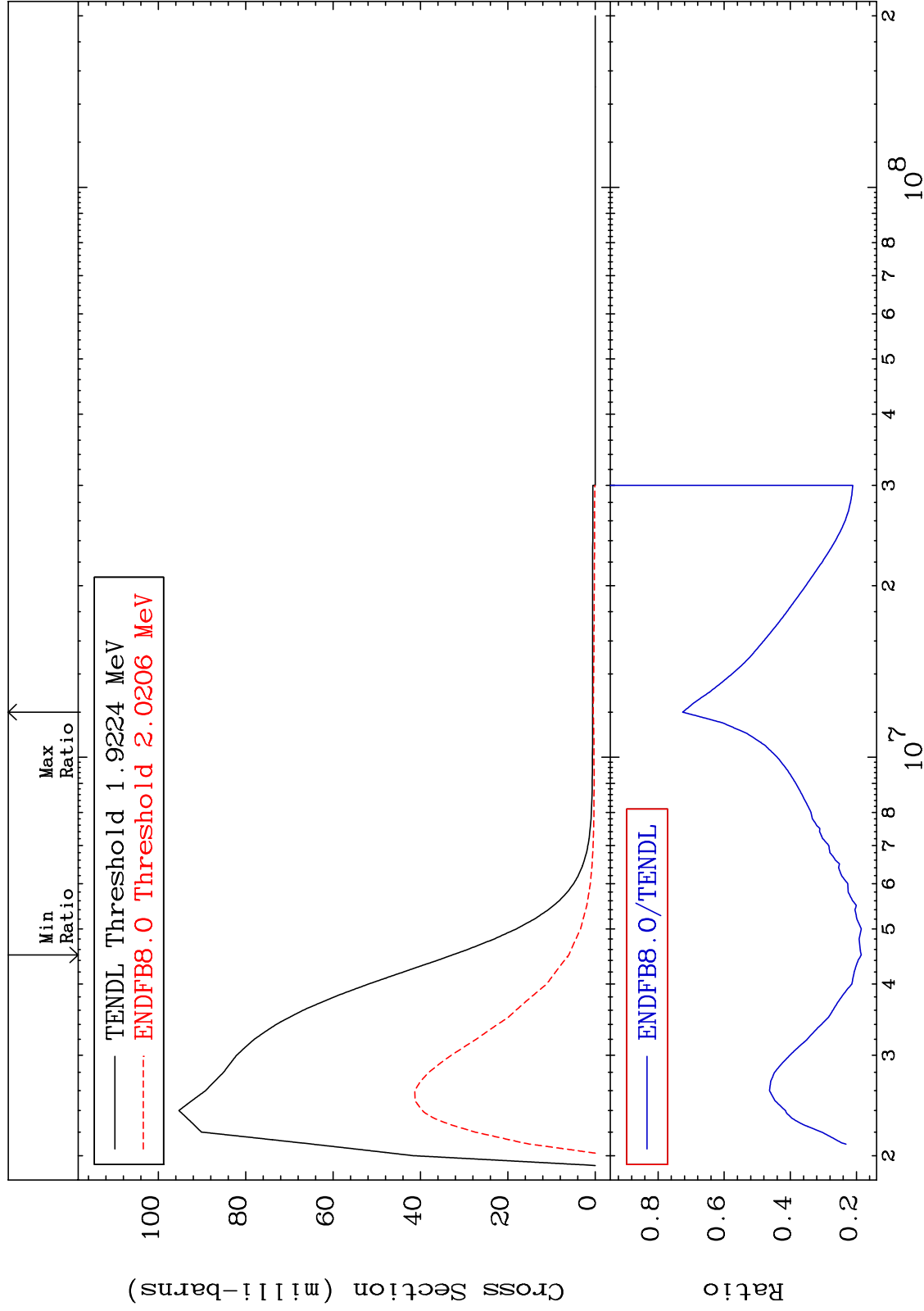
MAT 4637      MT= 59 (n,n') Level Cross Section      46-Pd-106  
 -85.57 To 9999. %



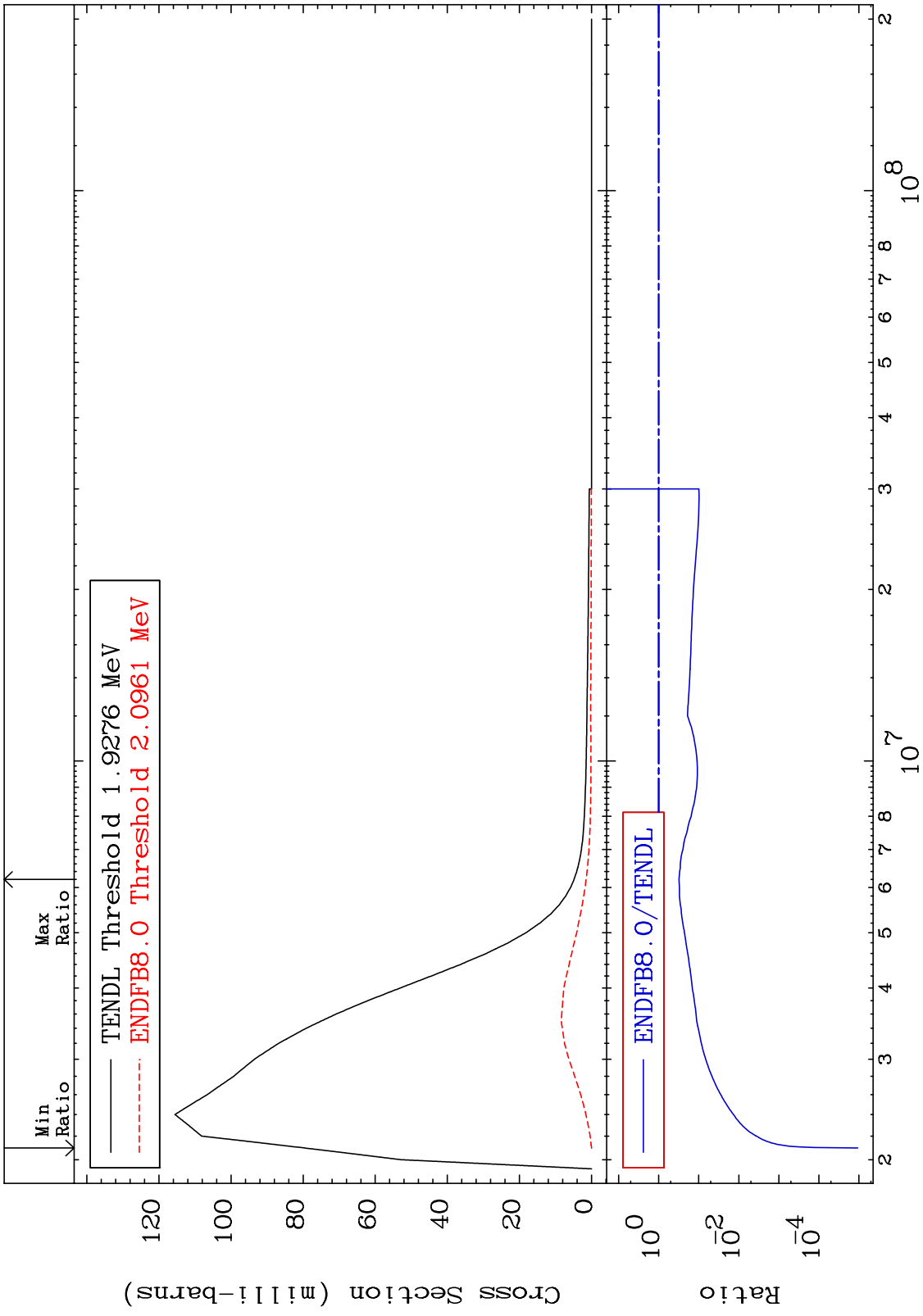
MAT 4637

MT= 60 (n,n') Level  
Cross Section

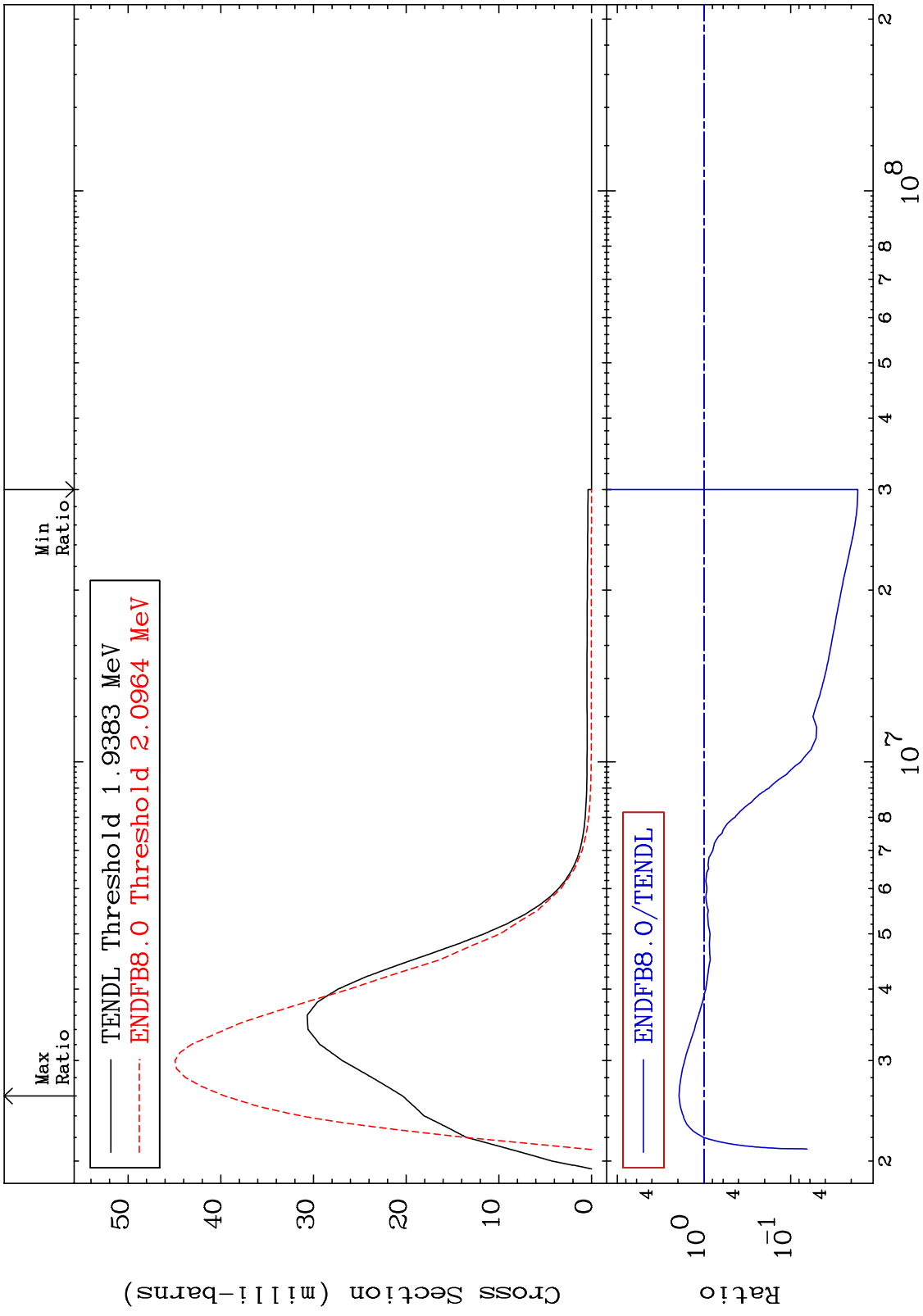
46-Pd-106  
-81.49 To -27.43%



MAT 4637 MT= 61 (n,n') Level Cross Section 46-Pd-106 -100.0 To -69.03%

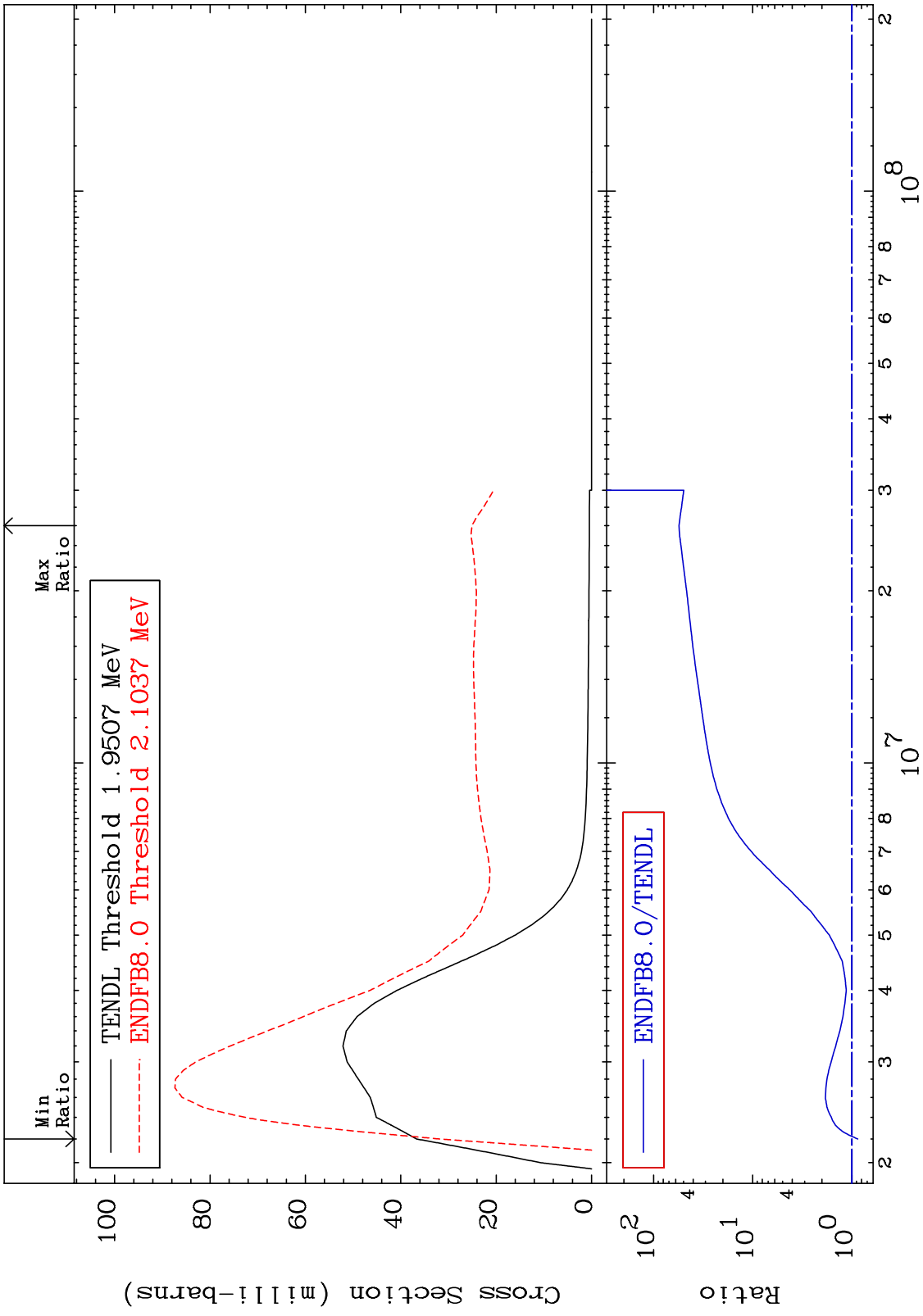


MAT 4637      MT= 62 (n,n') Level Cross Section      46-Pd-106  
 -98.32 To 94.12 %

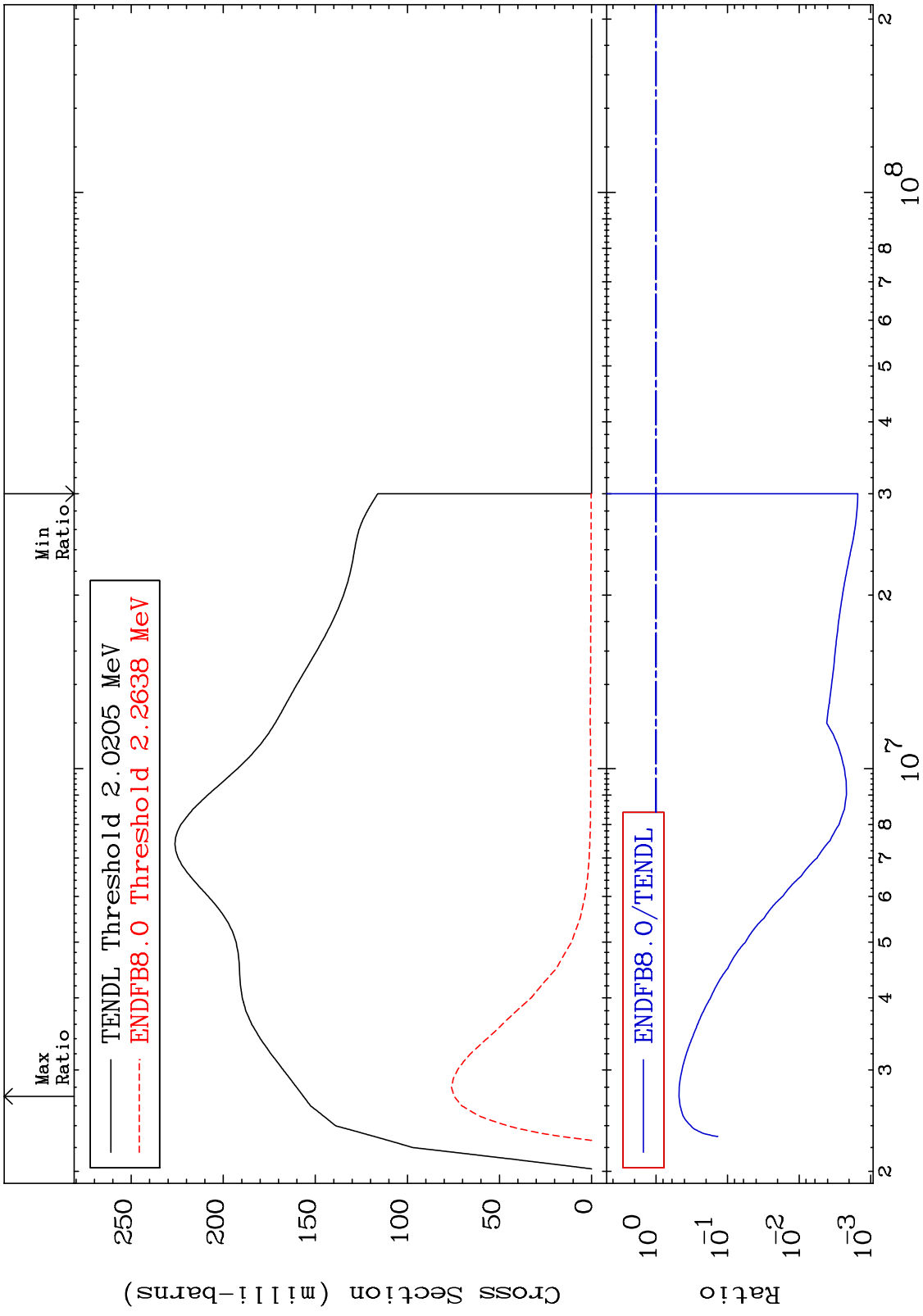




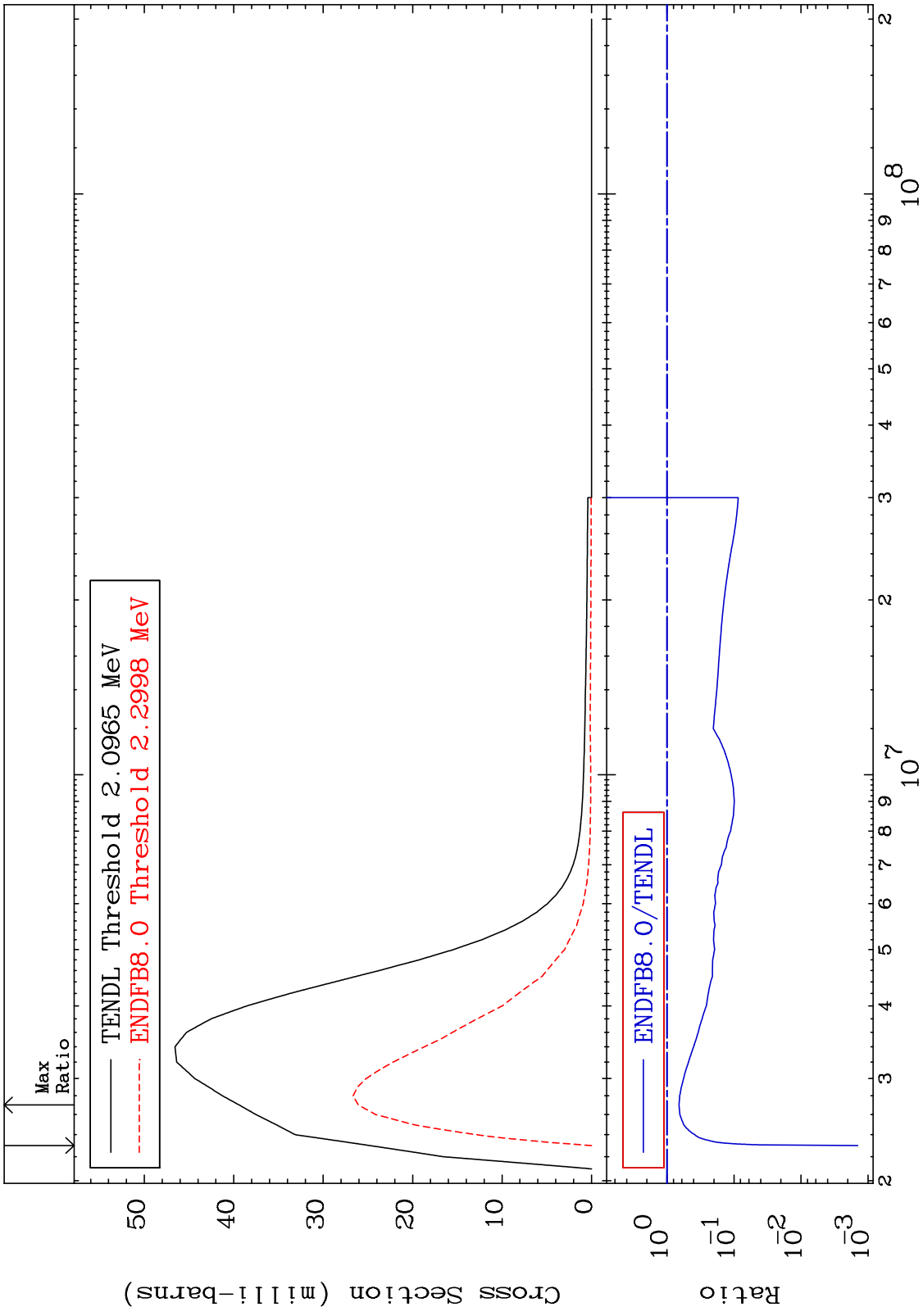
MAT 4637      MT= 63 (n,n') Level Cross Section      46-Pd-106  
 -12.99 To 5443. %



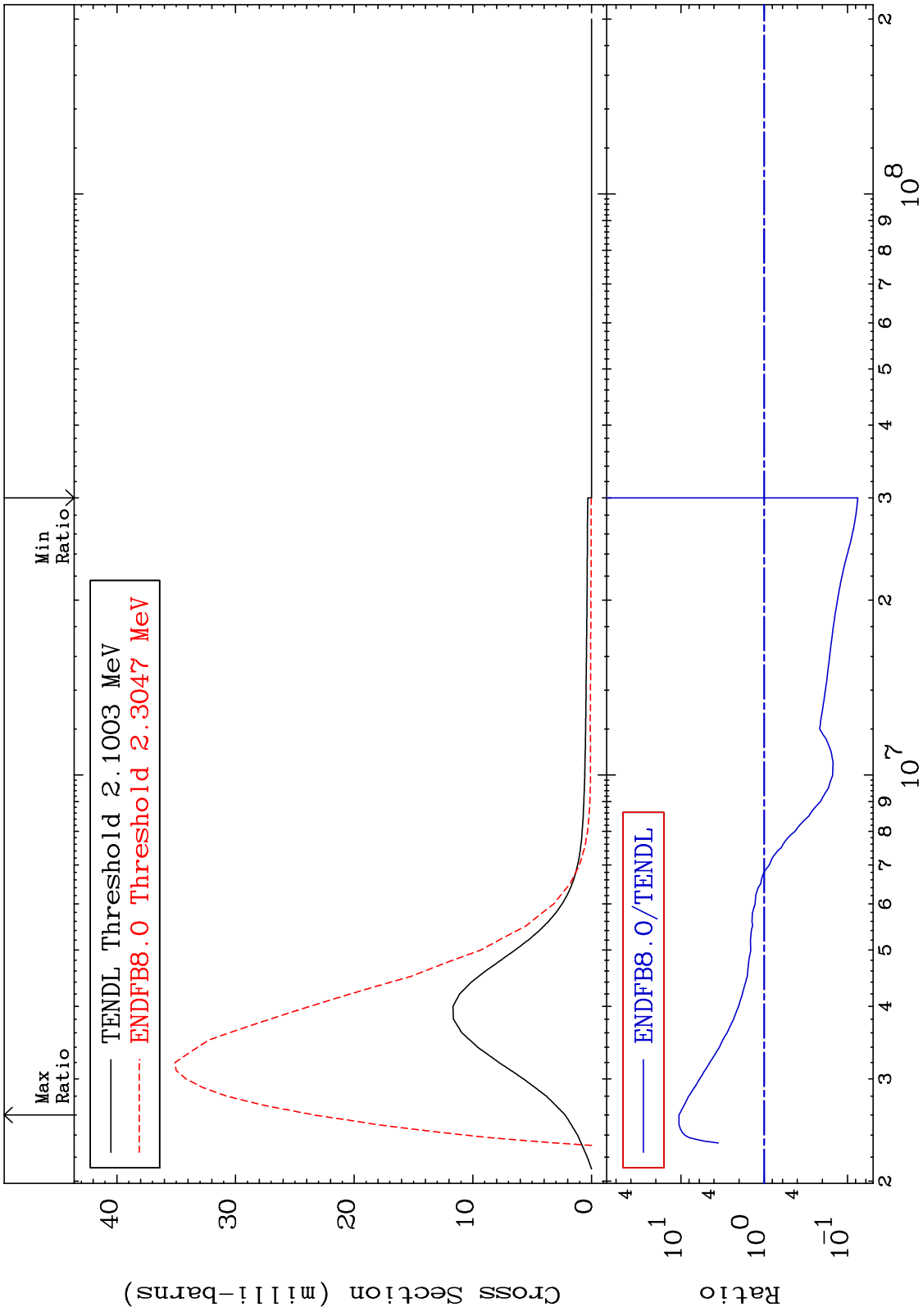
MAT 4637      MT= 64 (n,n') Level Cross Section      46-Pd-106  
 -99.85 To -52.30%



MAT 4637 MT= 65 (n,n') Level Cross Section 46-Pd-106 -99.86 To -33.83%



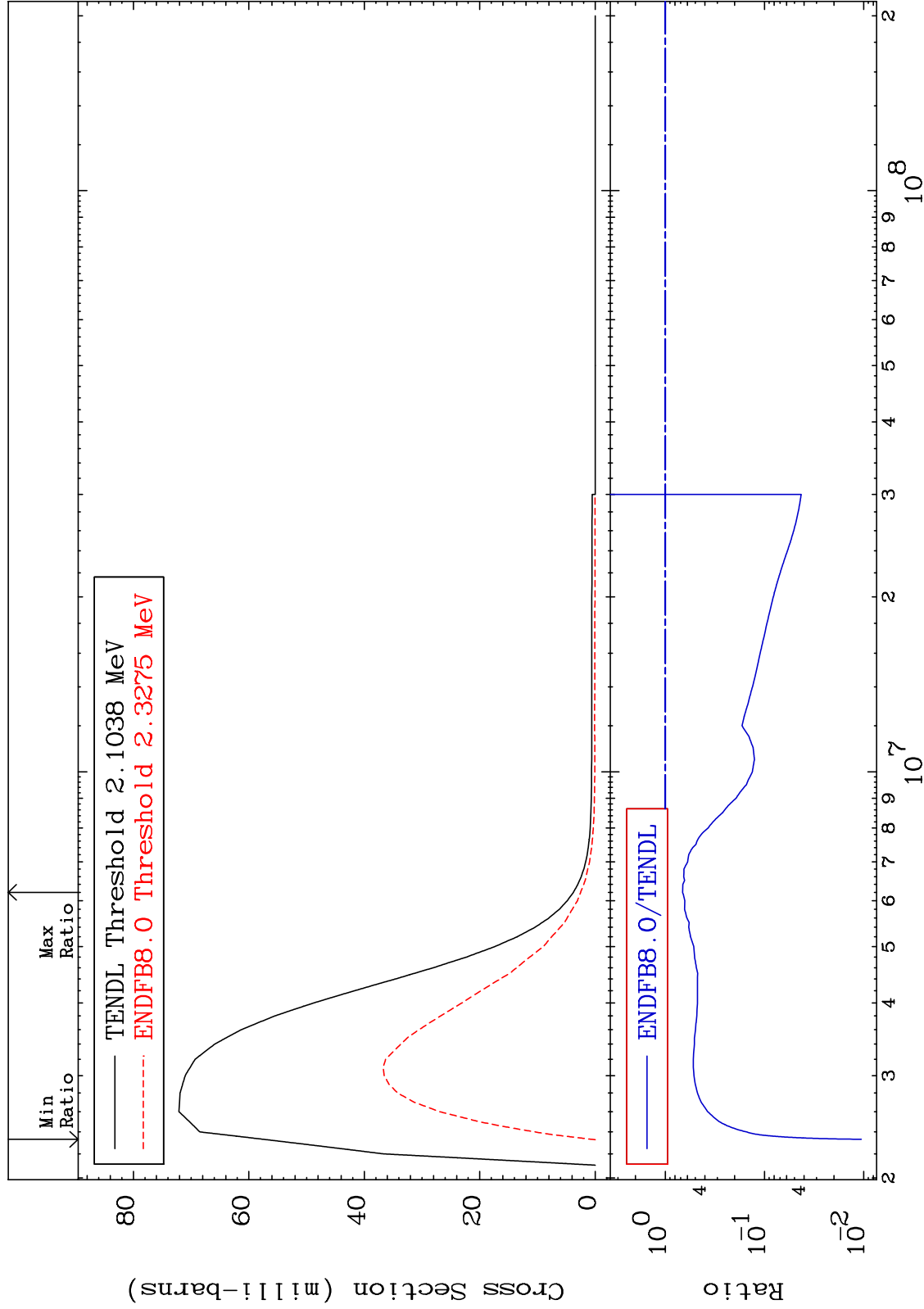
MAT 4637 MT= 66 (n,n') Level Cross Section 46-Pd-106 -92.50 To 953.1 %



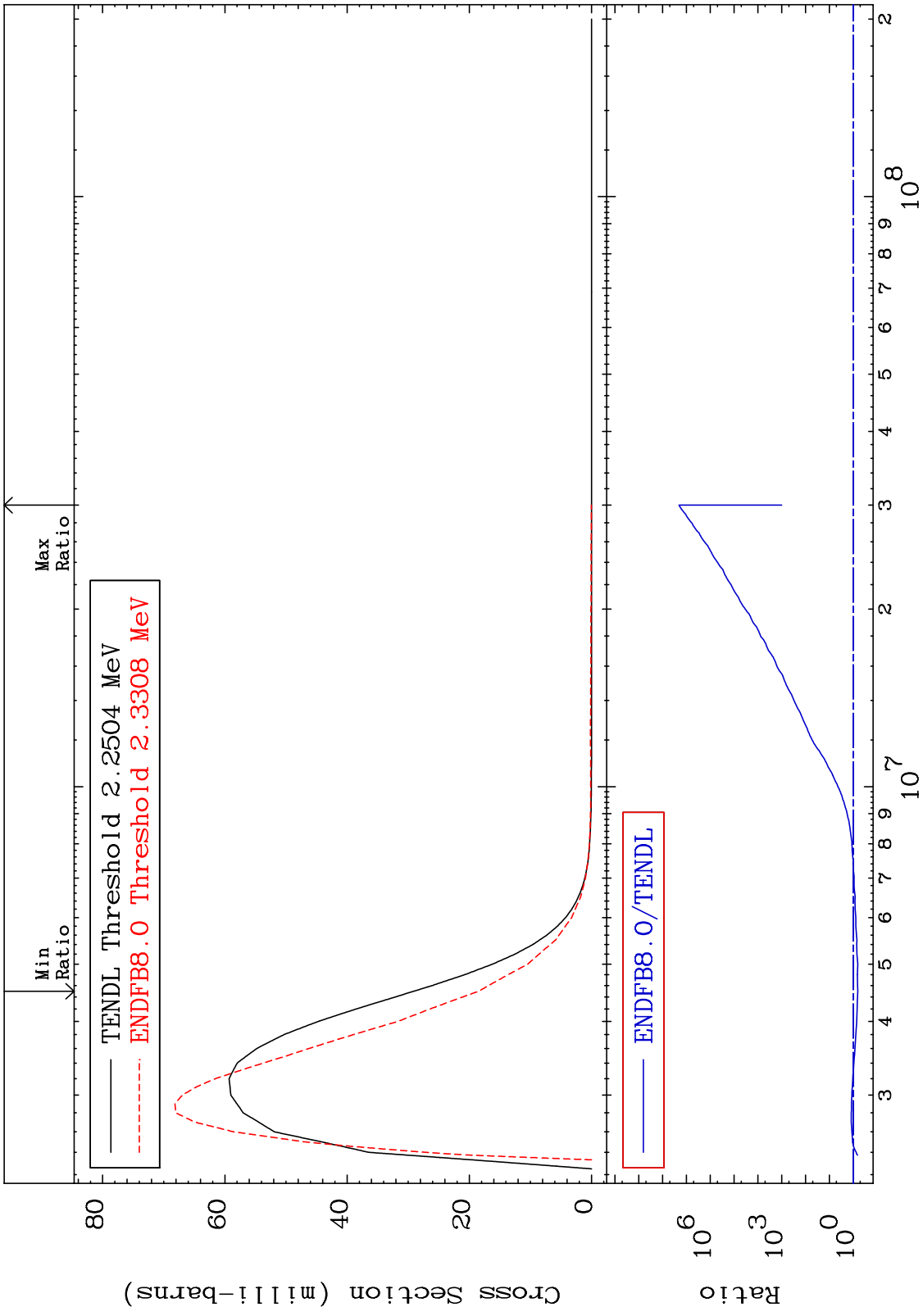
MAT 4637

MT= 67 (n,n') Level  
Cross Section

46-Pd-106  
-98.94 To -33.08%



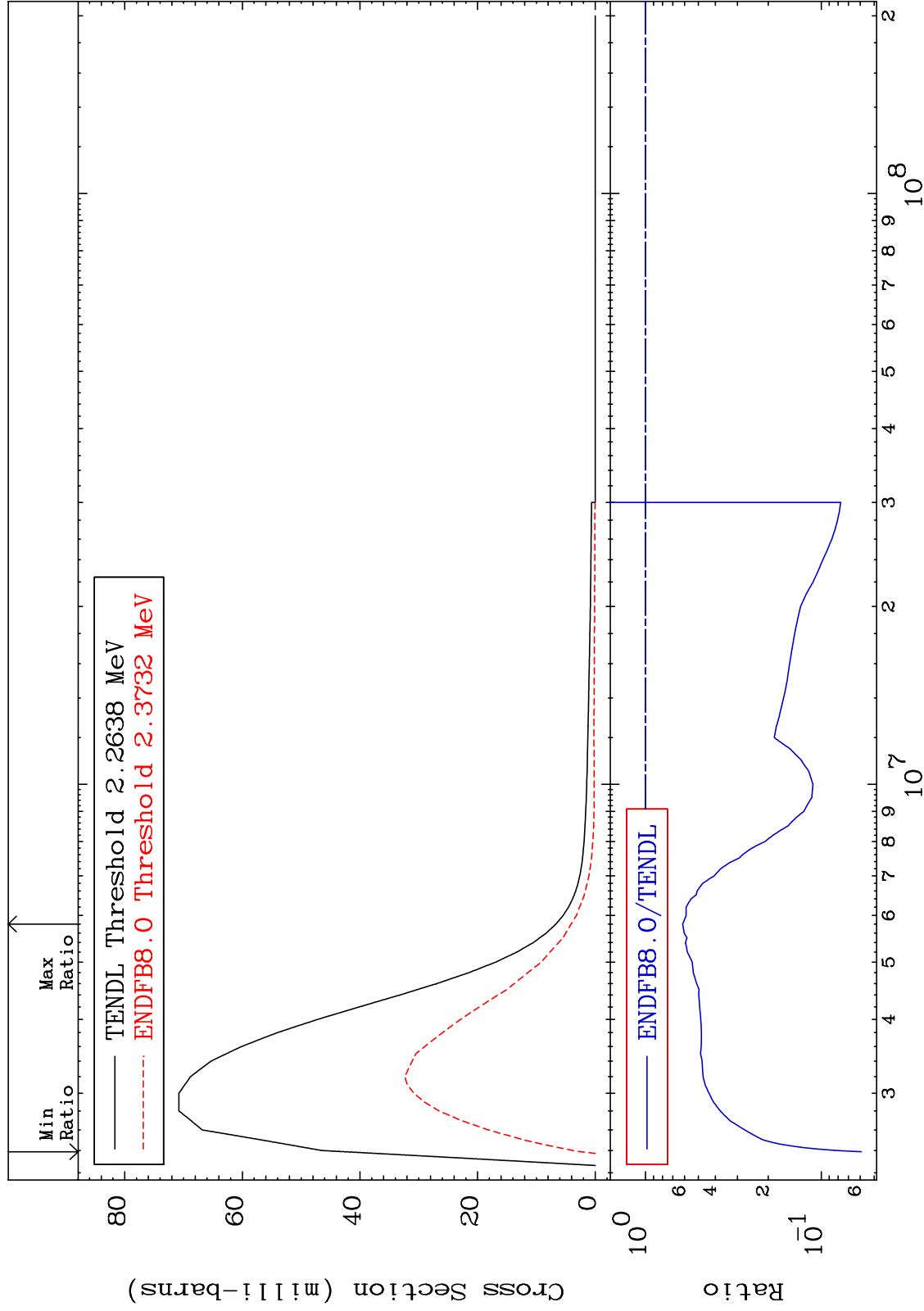
MAT 4637 MT= 68 (n,n') Level Cross Section 46-Pd-106  
 -36.56 To 9999. %



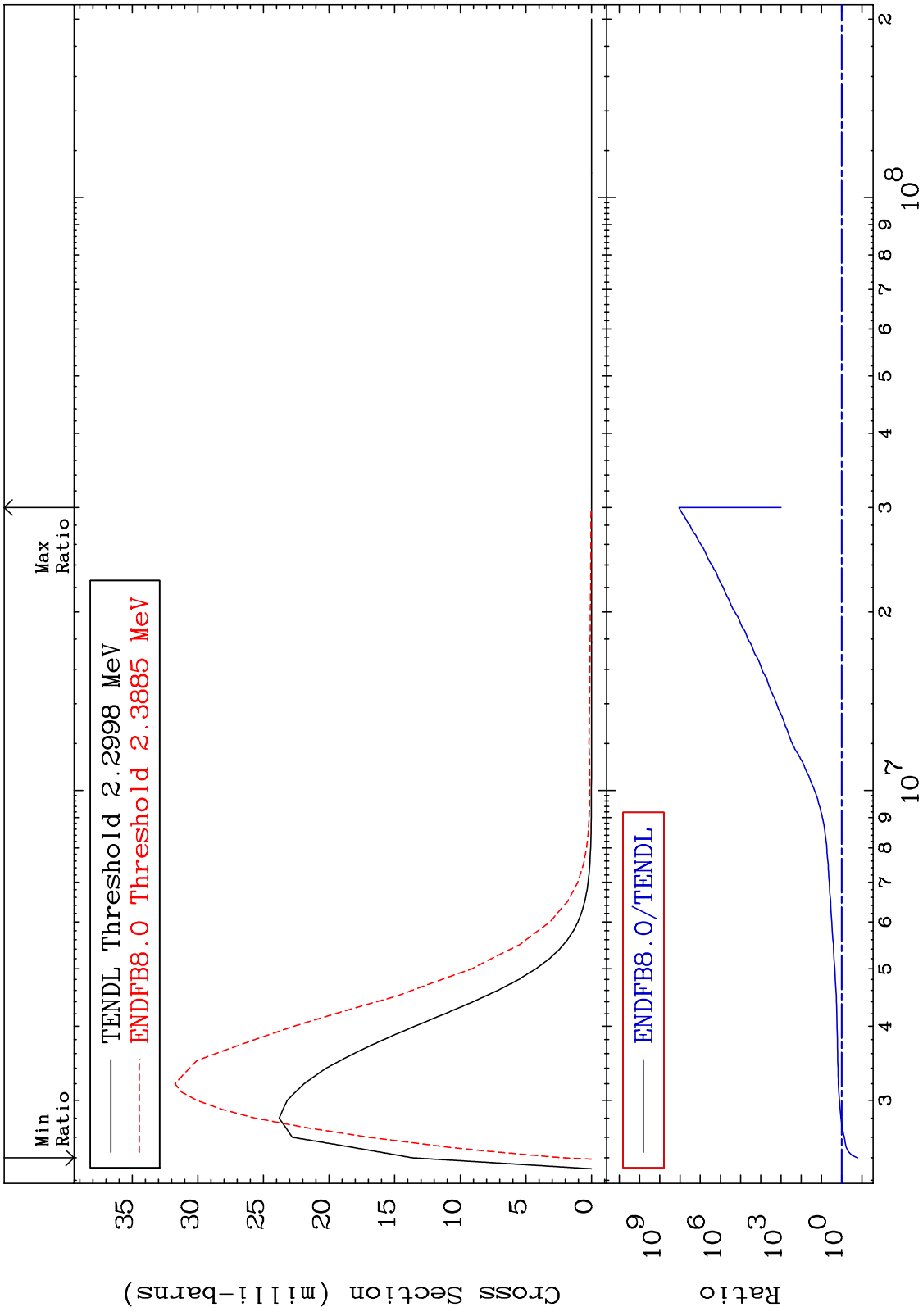
MAT 4637

MT= 69 (n,n') Level  
Cross Section

46-Pd-106  
-94.09 To -38.55%



MAT 4637      MT= 70 (n,n') Level Cross Section      46-Pd-106  
 -84.15 To 9999. %

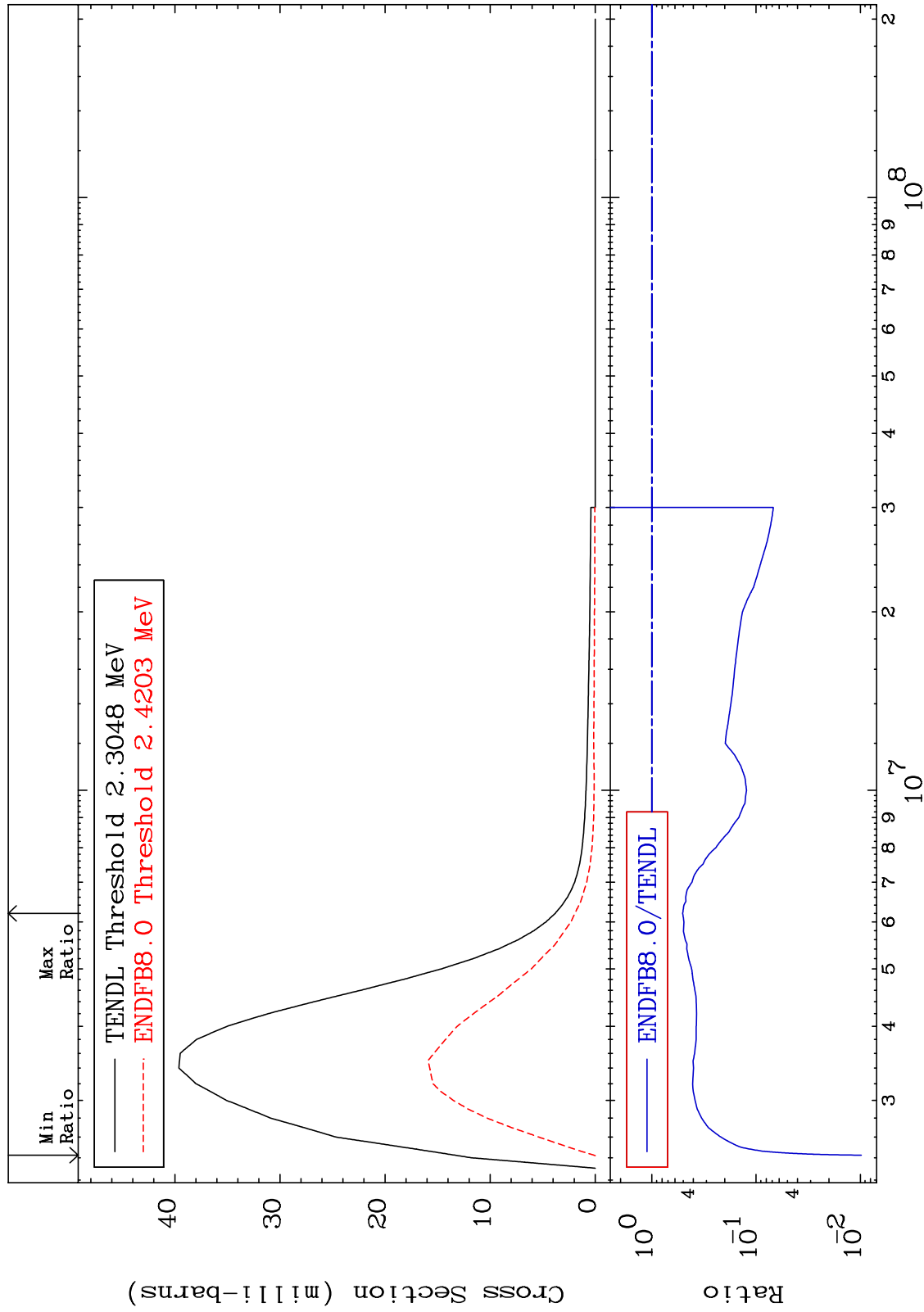




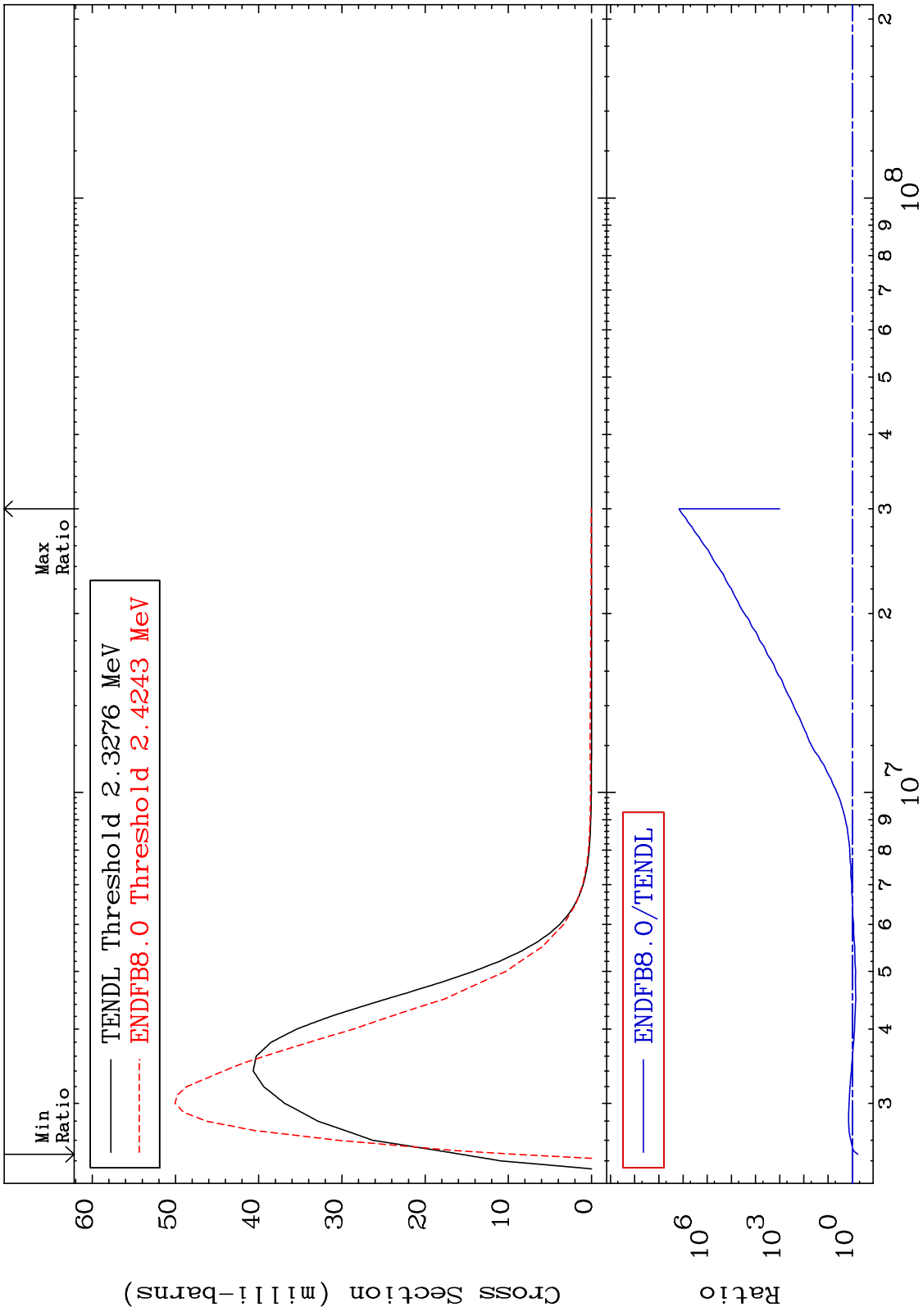
MAT 4637

MT= 71 (n,n') Level  
Cross Section

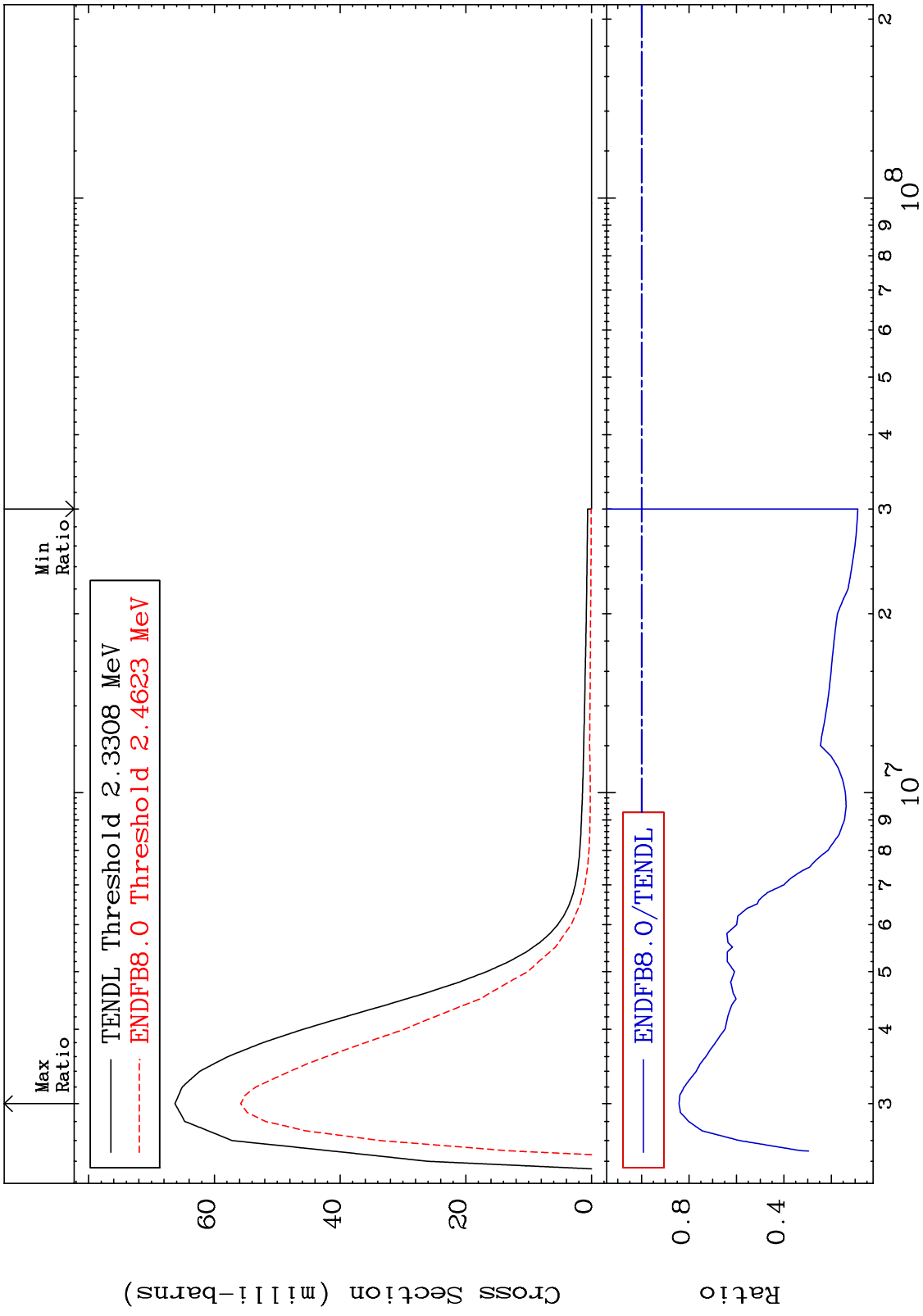
46-Pd-106  
-99.02 To -49.37%



MAT 4637      MT= 72 (n,n') Level Cross Section      46-Pd-106  
 -41.36 To 9999. %



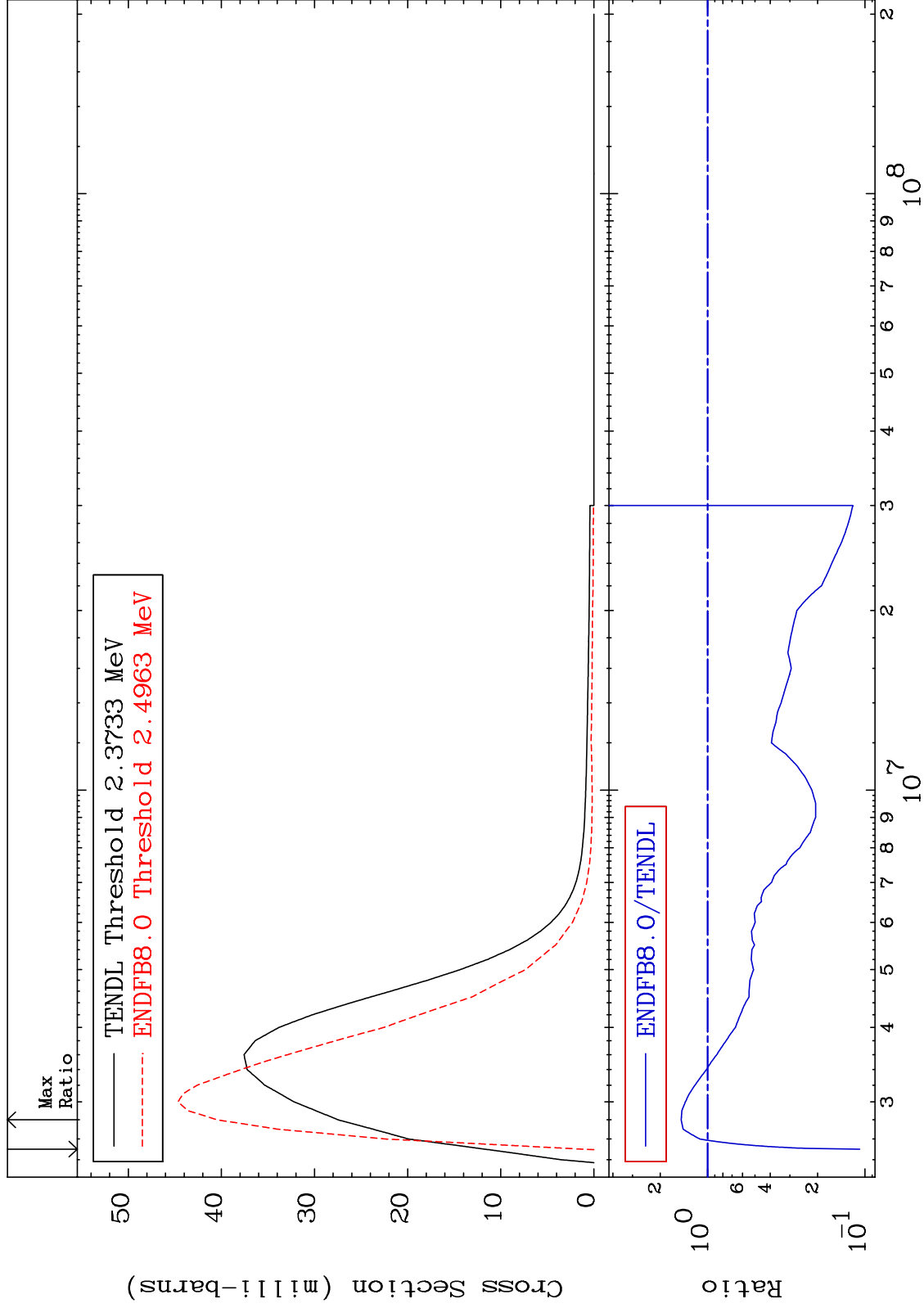
MAT 4637 MT= 73 (n,n') Level Cross Section 46-Pd-106 -91.15 To -15.80%

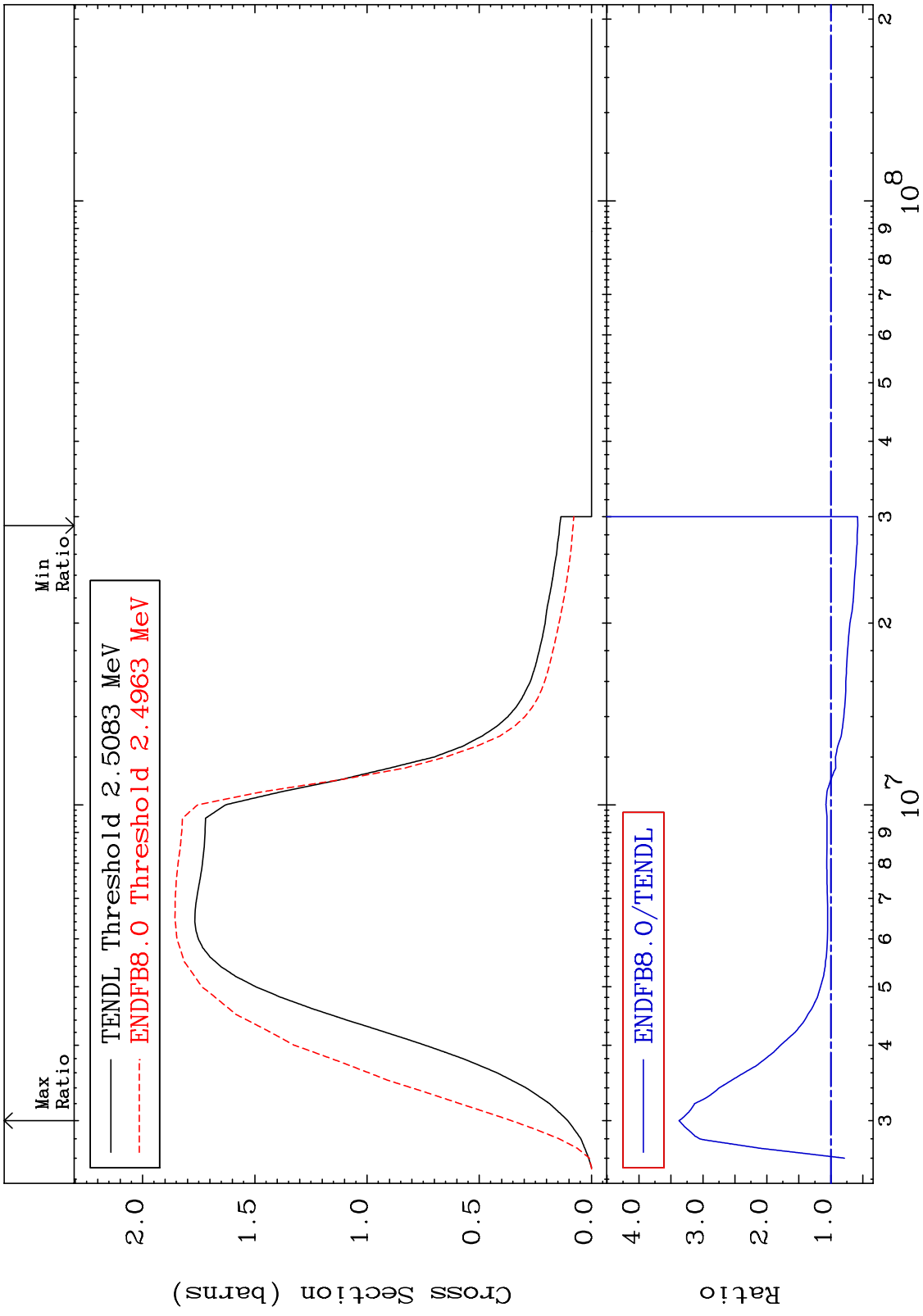


MAT 4637

MT= 74 (n,n') Level  
Cross Section

46-Pd-106  
-89.20 To 47.23 %





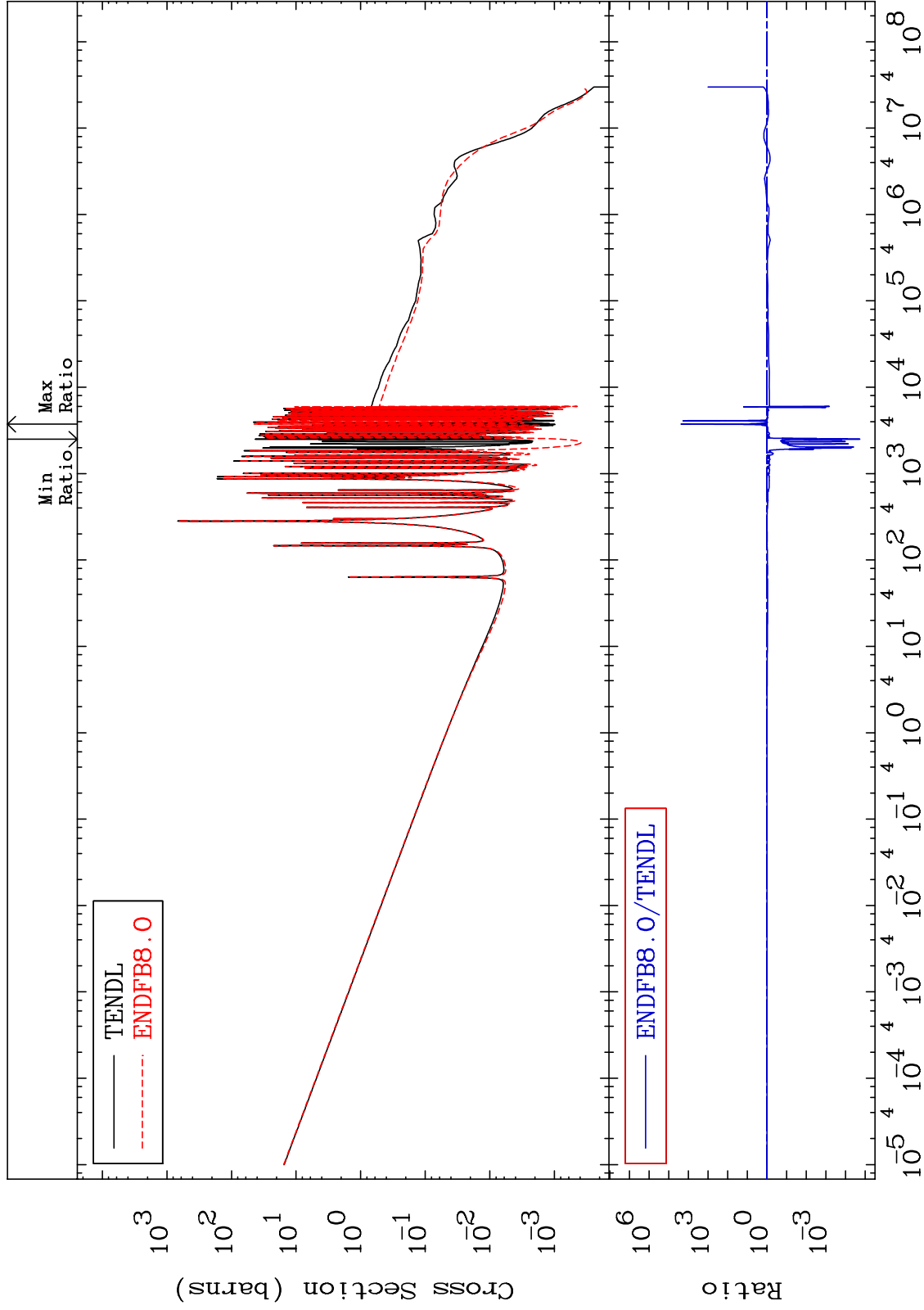
MAT 4637

(n,  $\gamma$ )

46-Pd-106

-100.0 To 9999. %

Cross Section

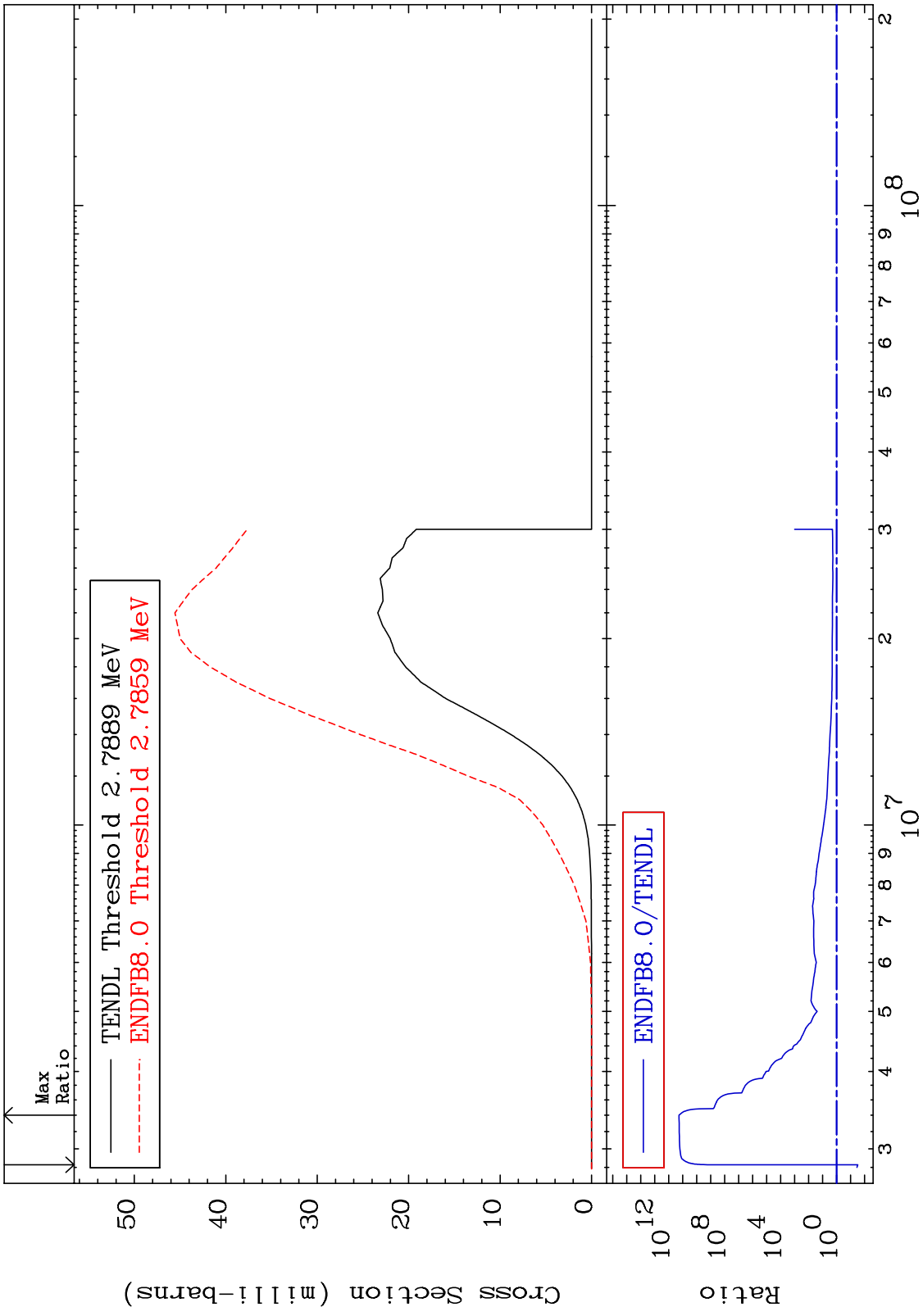


37

Incident Energy (eV)

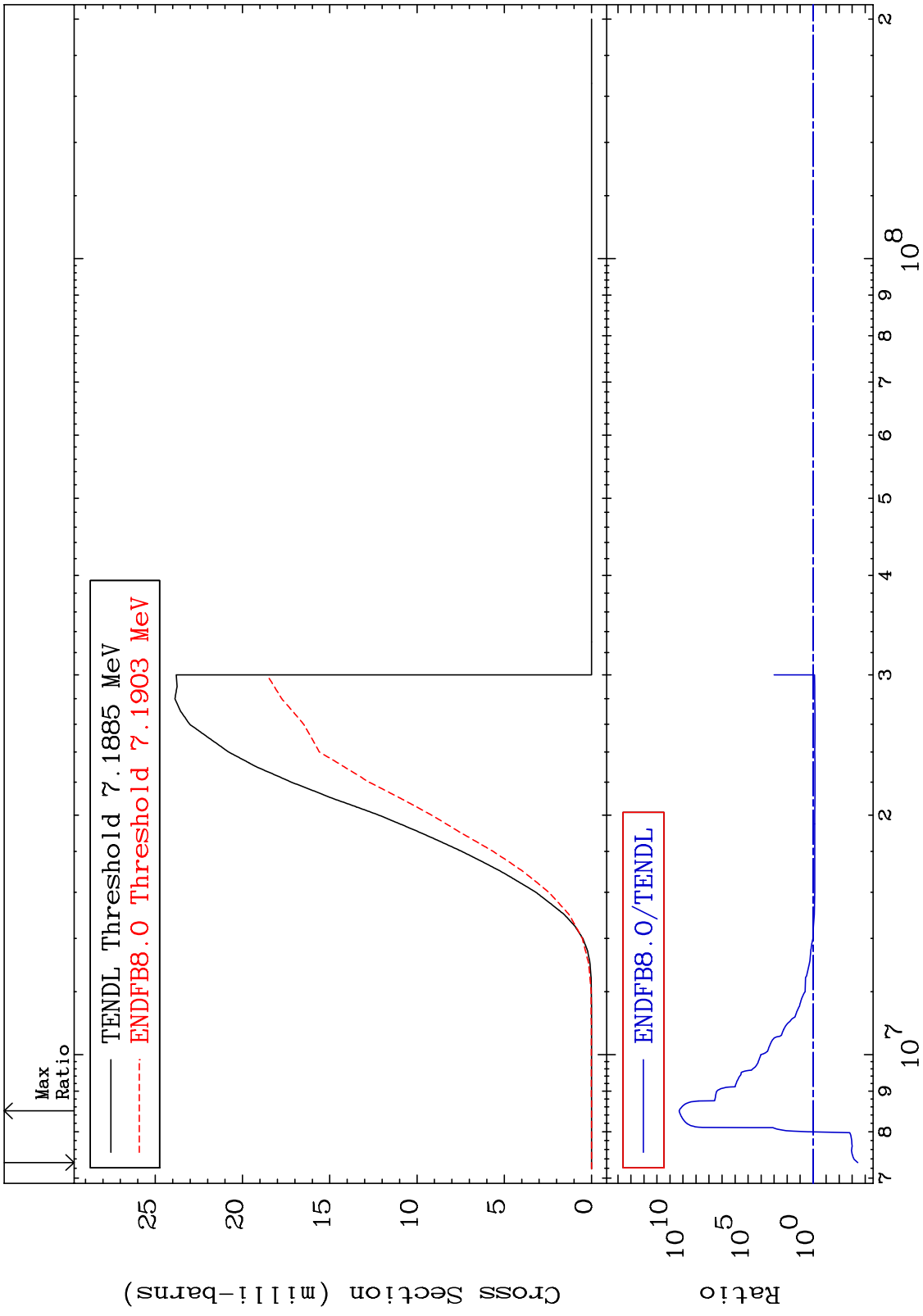
46-Pd-106

MAT 4637 (n,p) Cross Section 46-Pd-106 -97.00 To 9999. %



38 Incident Energy (eV) 46-Pd-106

MAT 4637 (n,d) Cross Section 46-Pd-106 -99.96 To 9999. %





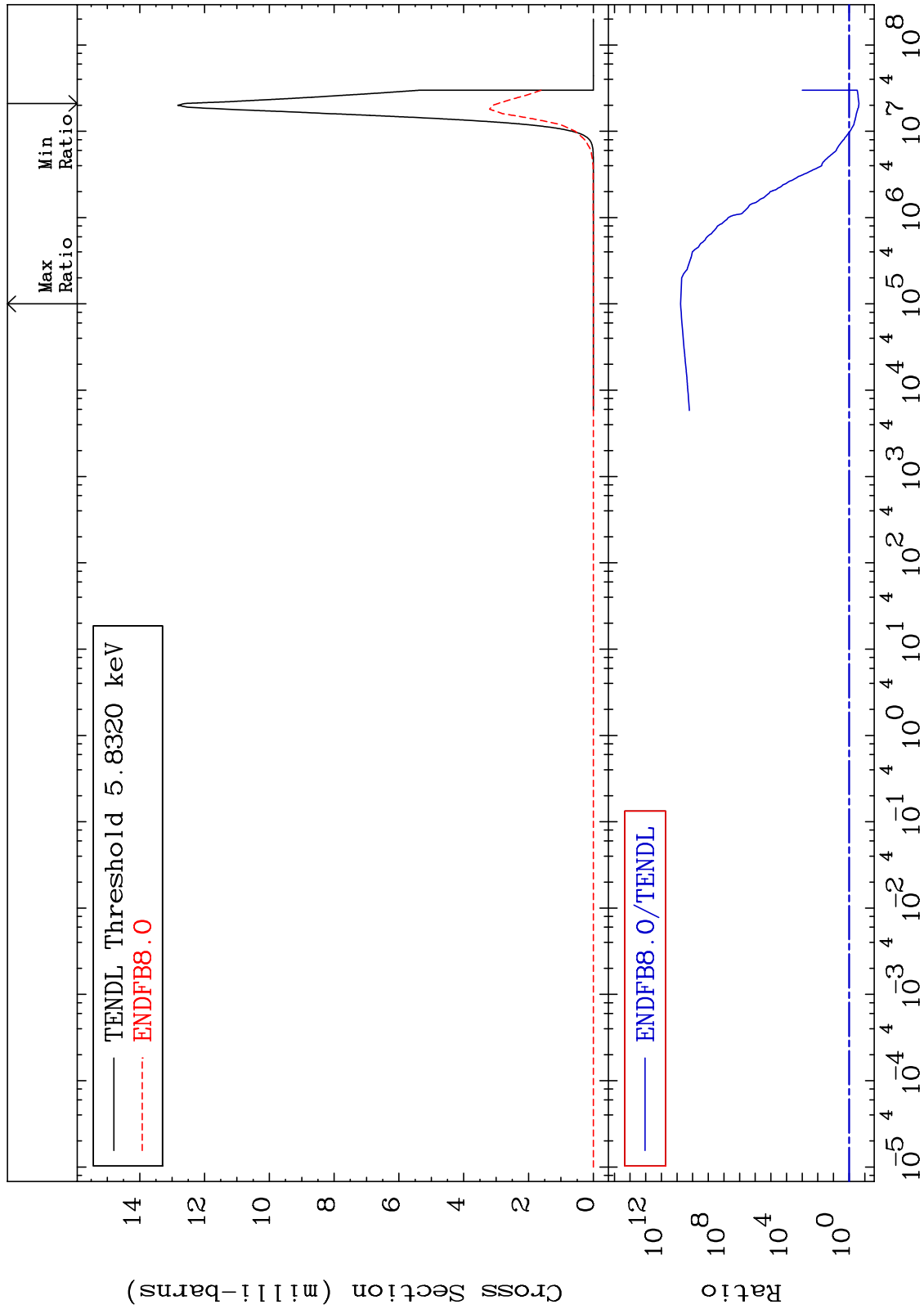
MAT 4637

(n,  $\alpha$ )

46-Pd-106

Cross Section

-76.71 To 9999. %

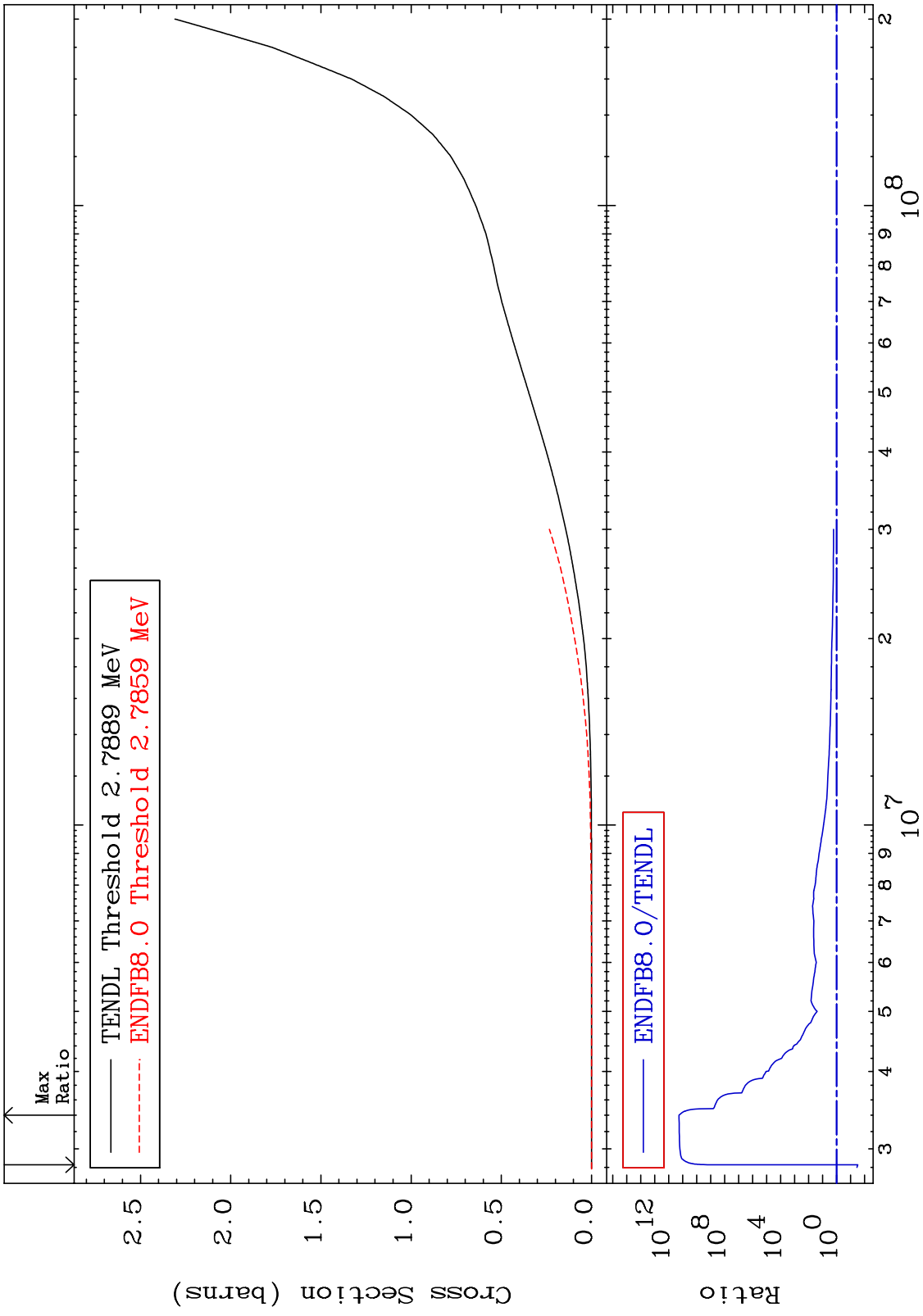


40

Incident Energy (eV)

46-Pd-106

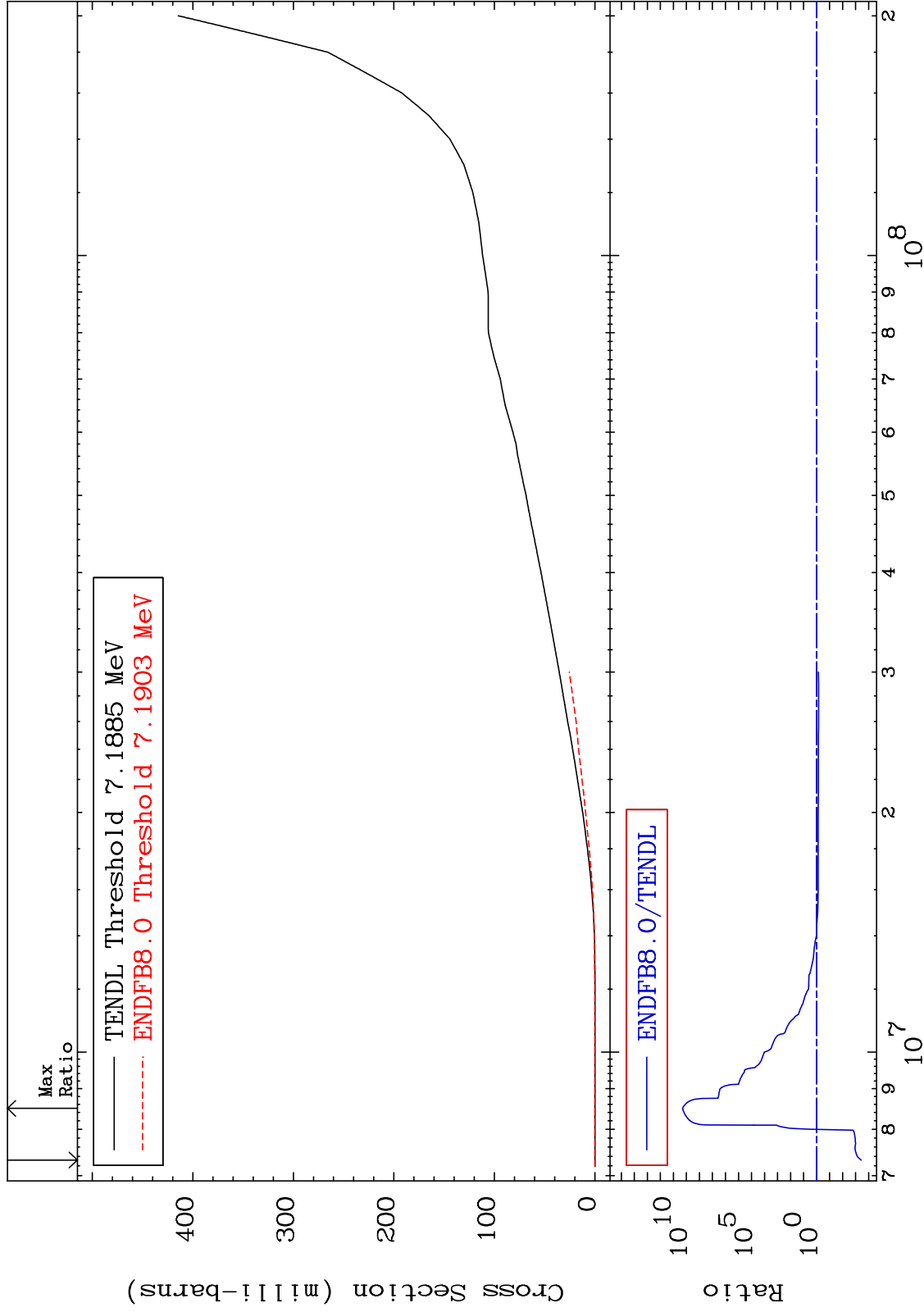
MAT 4637 Hydrogen Production Cross Section 46-Pd-106 -97.00 To 9999. %



MAT 4637

Deuterium Production  
Cross Section

46-Pd-106  
-99.96 To 9999. %



42

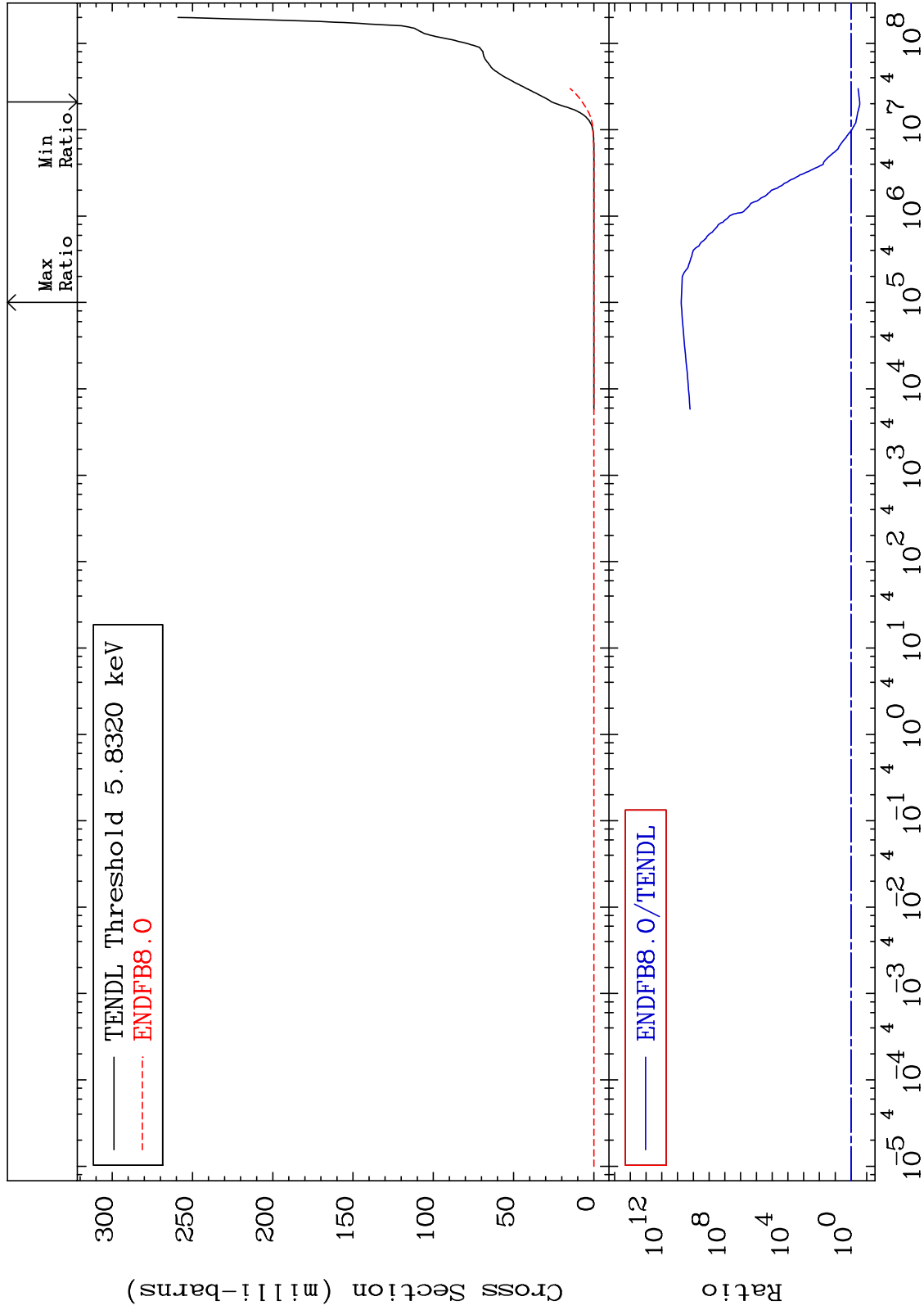
Incident Energy (eV)

46-Pd-106

MAT 4637

He-4 Production  
Cross Section

46-Pd-106  
-72.41 To 9999. %

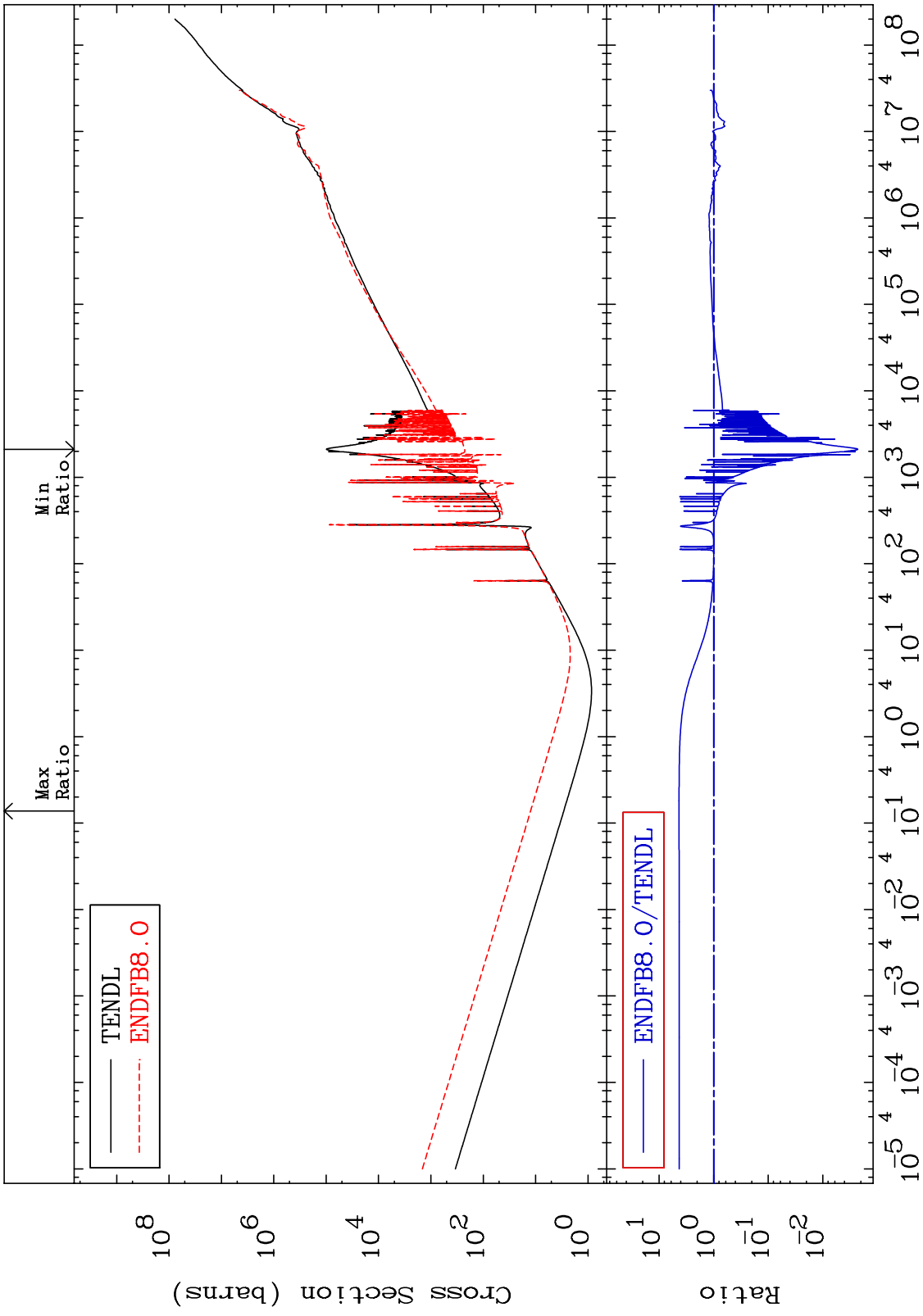


43

Incident Energy (eV)

46-Pd-106

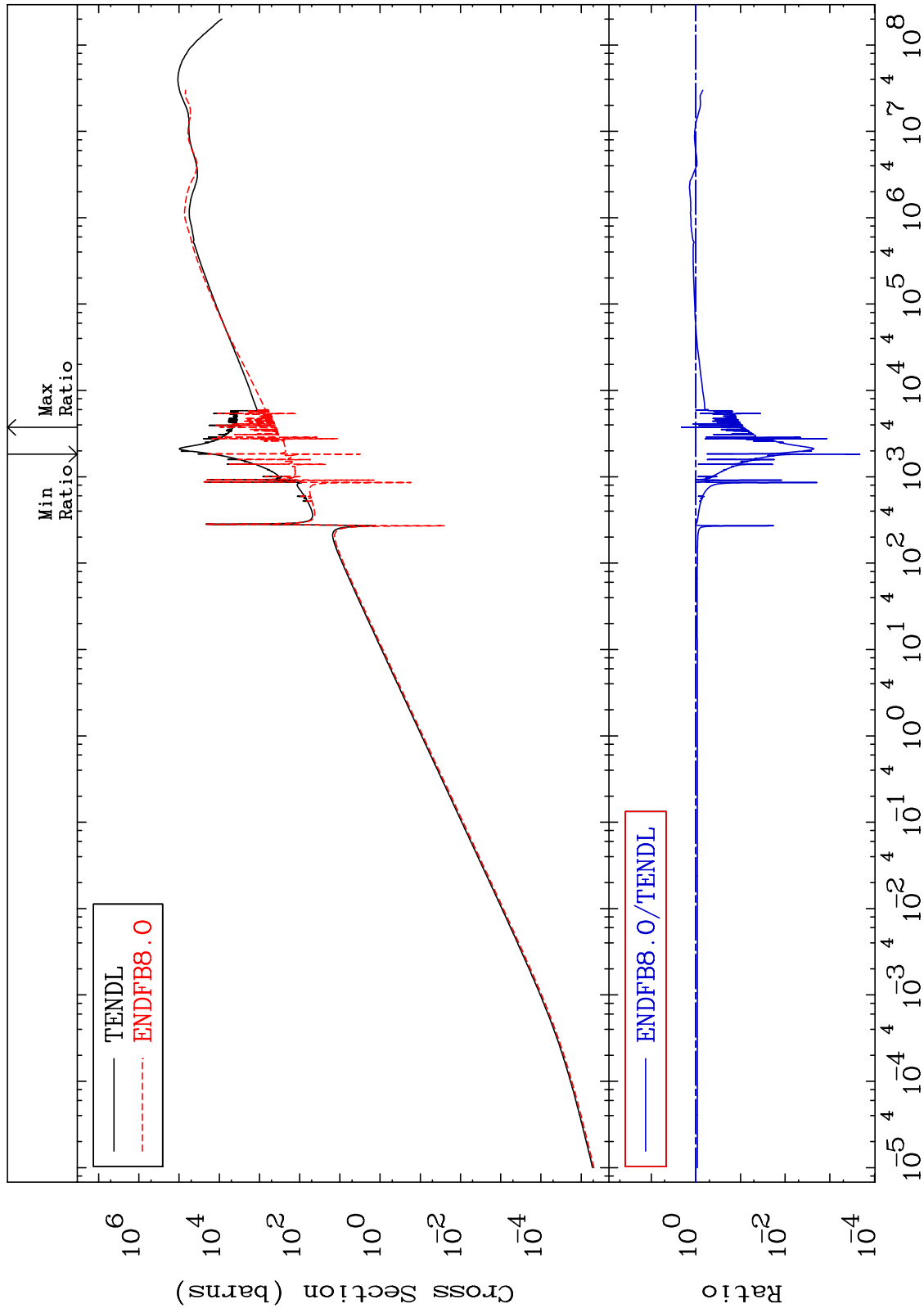
MAT 4637      Kerma total (eV-barns)  
 Cross Section      -99.77 To 330.2 %      46-Pd-106



MAT 4637

Kerma elastic  
Cross Section

46-Pd-106  
-99.98 To 112.1 %

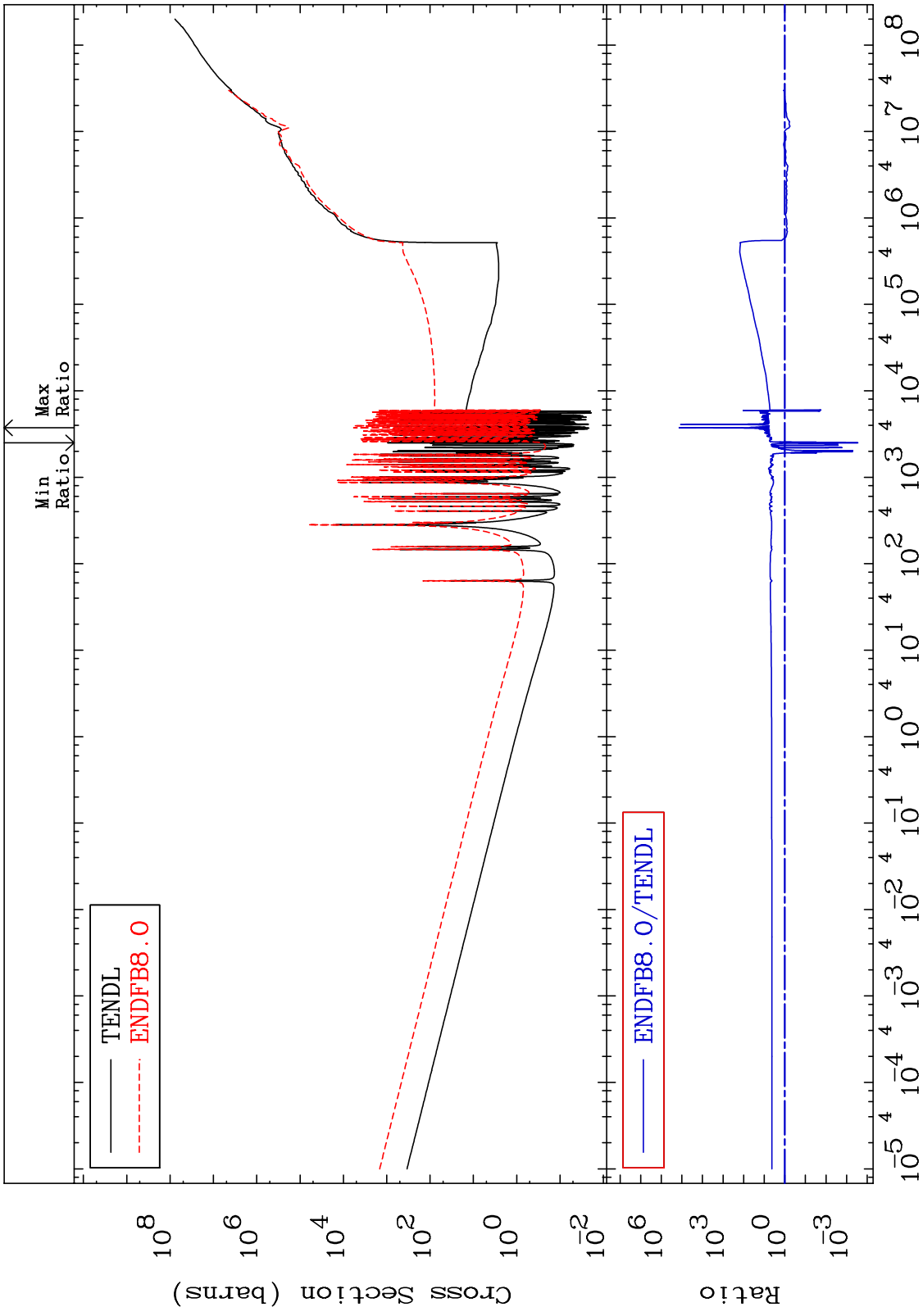


45

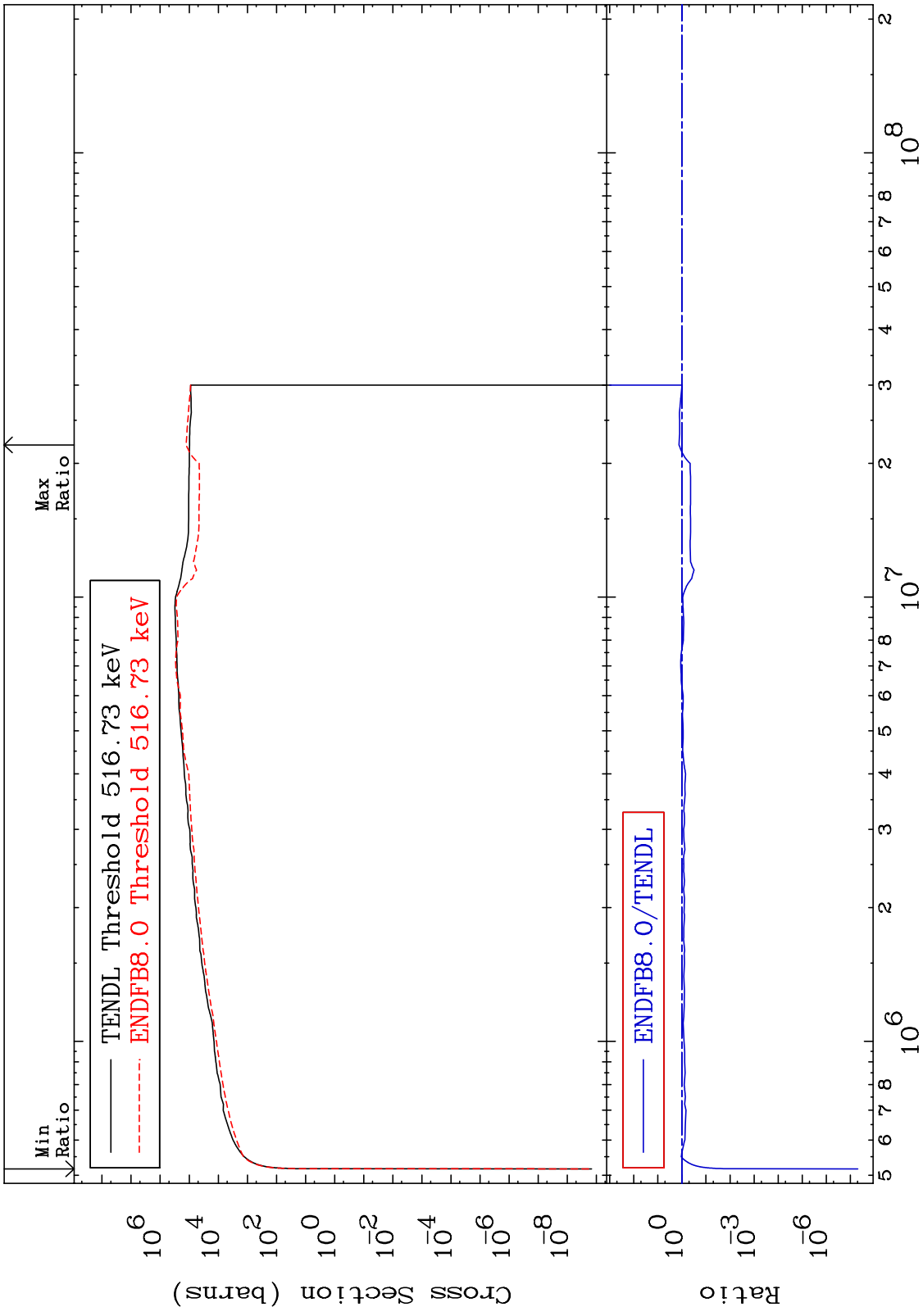
Incident Energy (eV)

46-Pd-106

MAT 4637 Kerma non-elastic (all but mt2) 46-Pd-106  
 Cross Section -99.97 To 9999. %



MAT 4637      Kerma inelastic (mt51-91)      46-Pd-106  
 Cross Section      -100.0 To 31.21 %

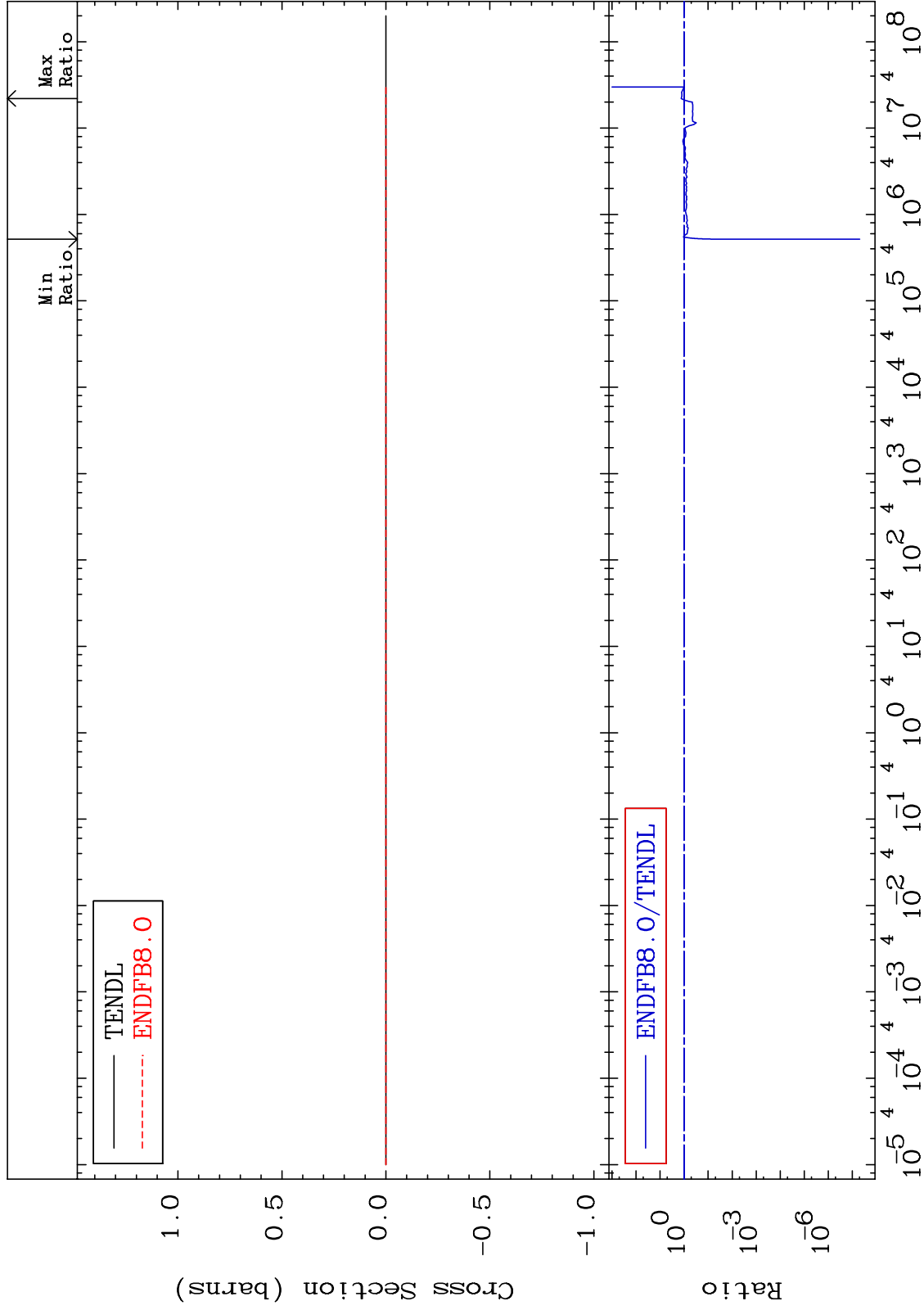




MAT 4637

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

46-Pd-106  
-100.0 To 31.21 %



48

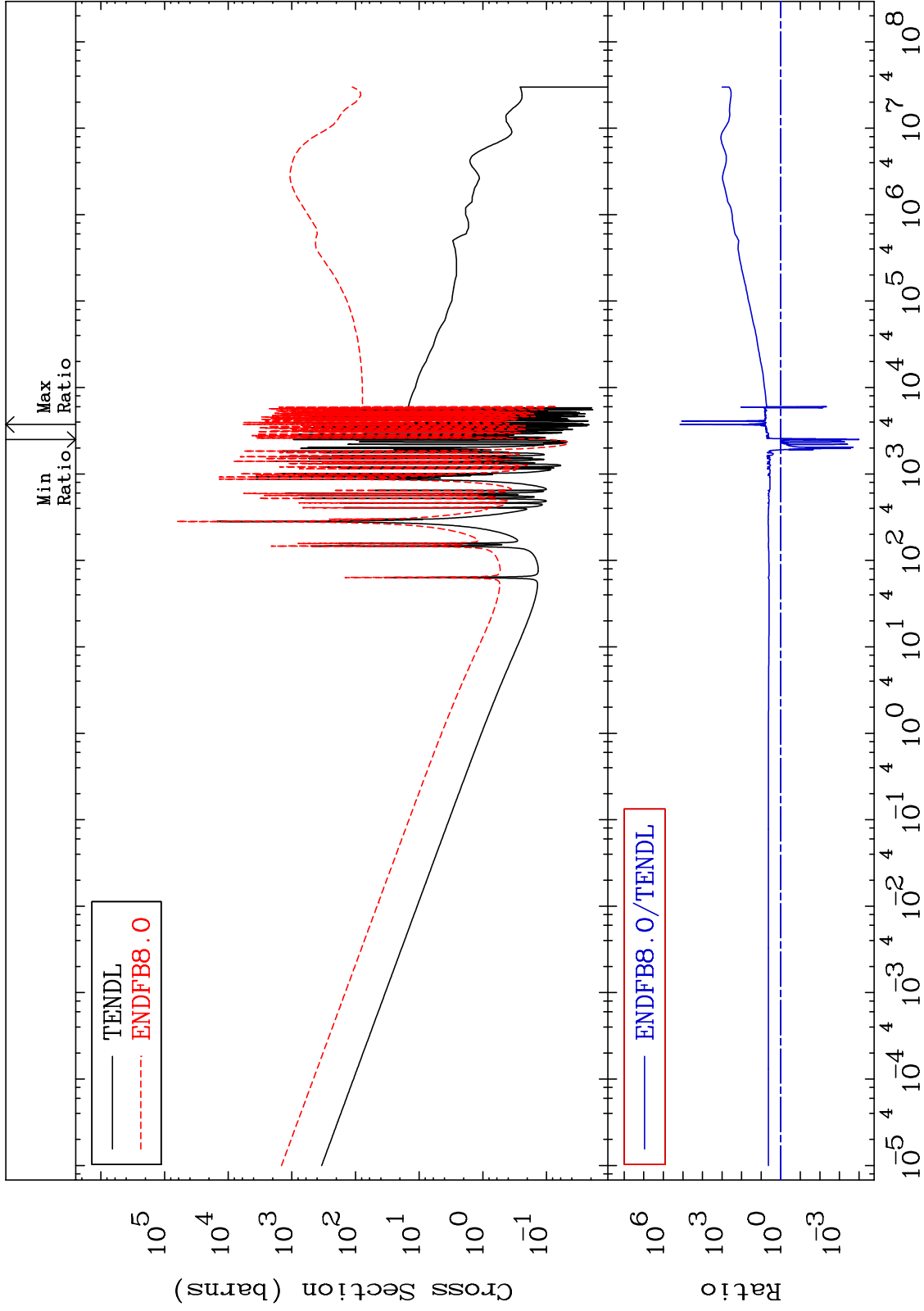
Incident Energy (eV)

46-Pd-106

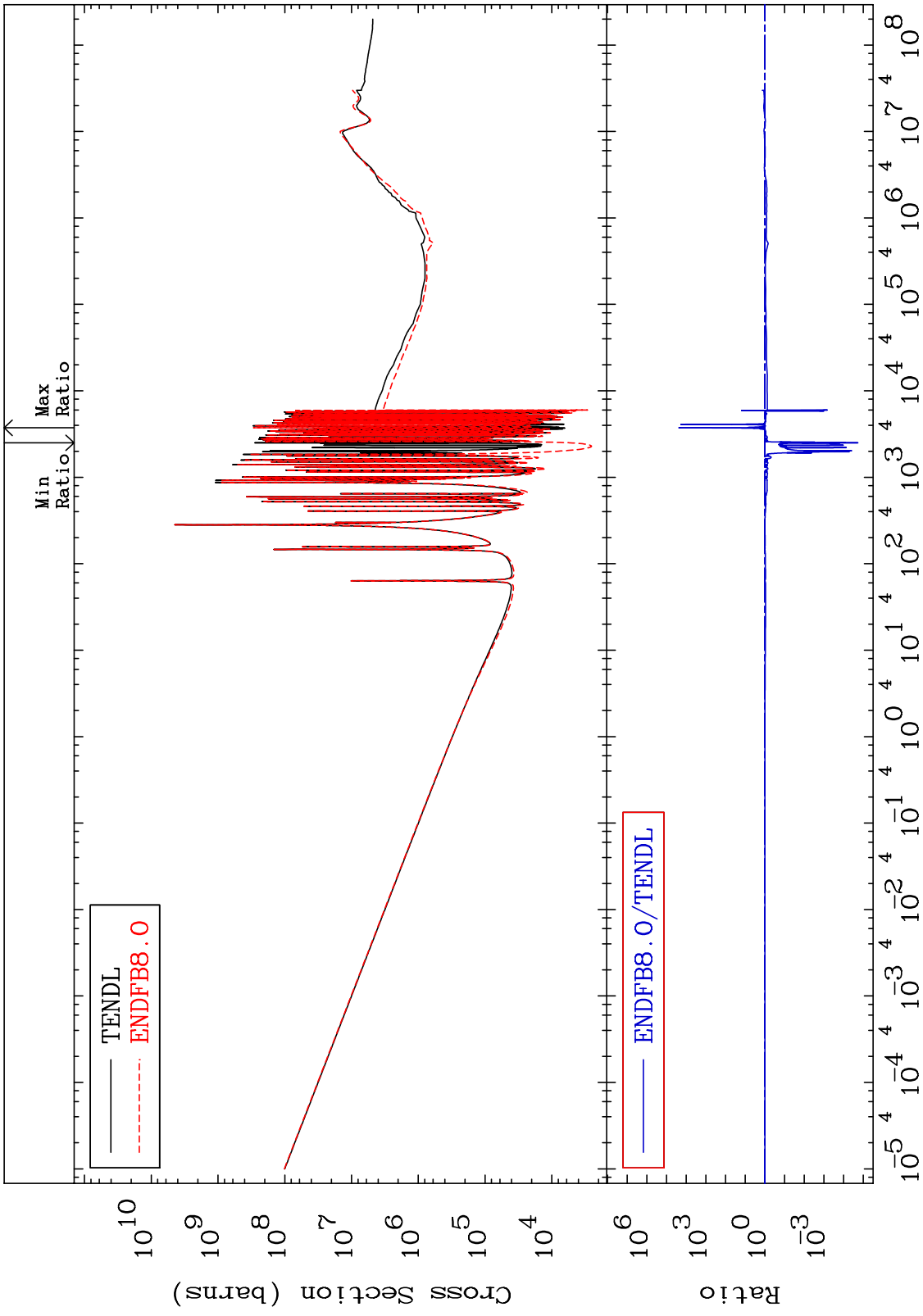
MAT 4637

Kerma capture (mt102)  
Cross Section

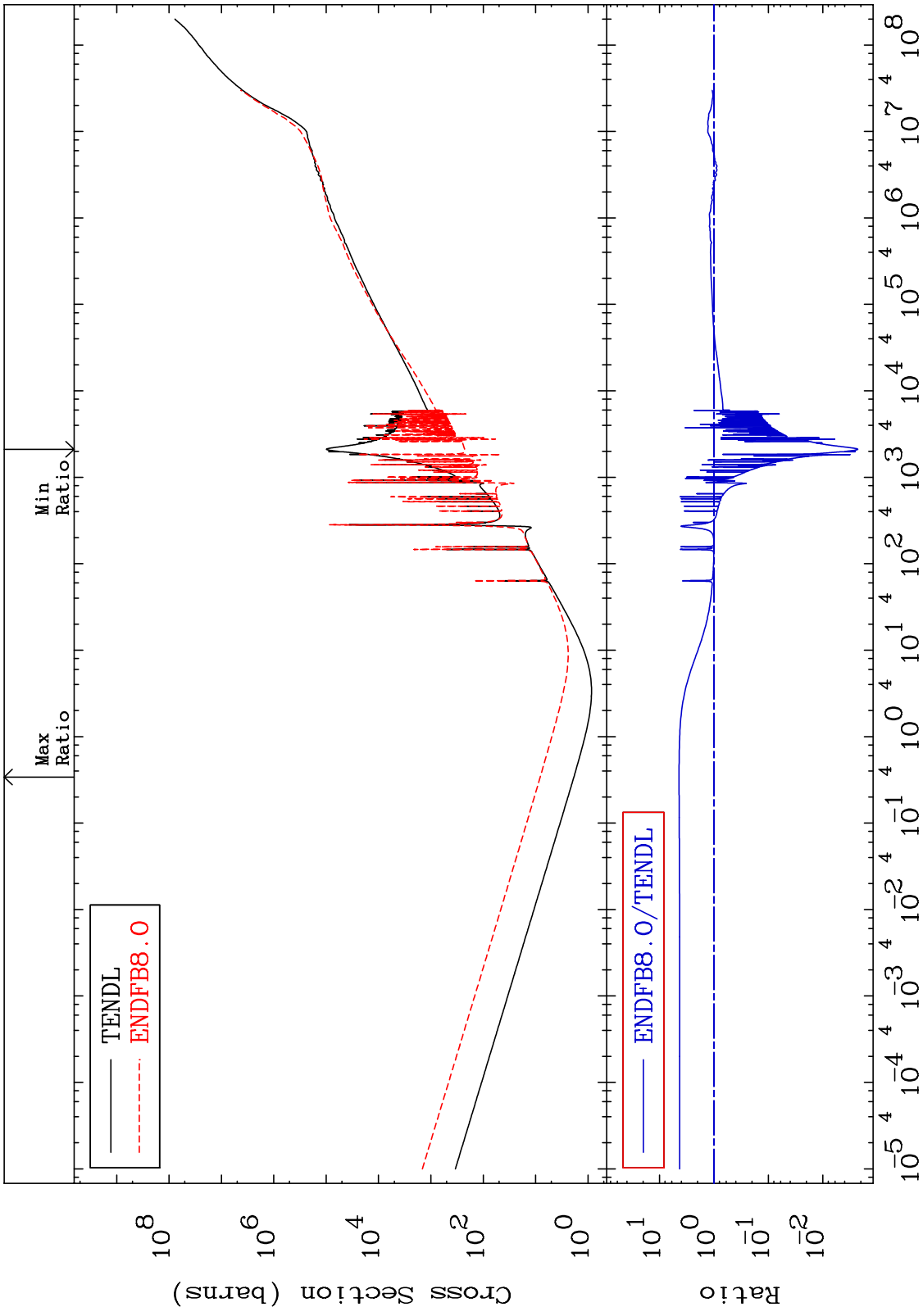
46-Pd-106  
-99.99 To 9999. %



MAT 4637      Total photon (eV-barns)      46-Pd-106  
Cross Section      -100.0 To 9999. %

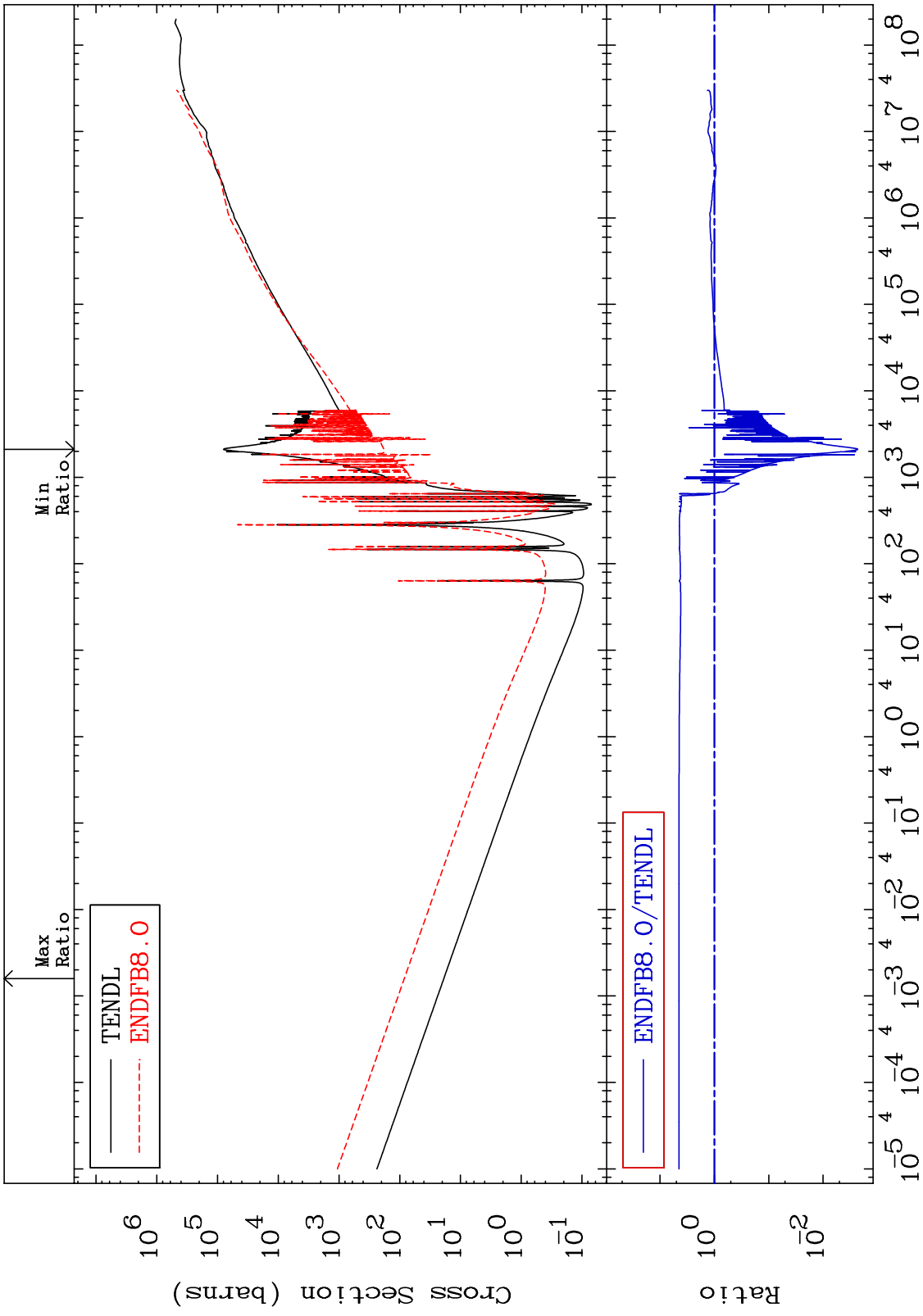


MAT 4637 Total kinematic kerma (high limit) 46-Pd-106  
 Cross Section -99.77 To 339.6 %



Incident Energy (eV) 46-Pd-106

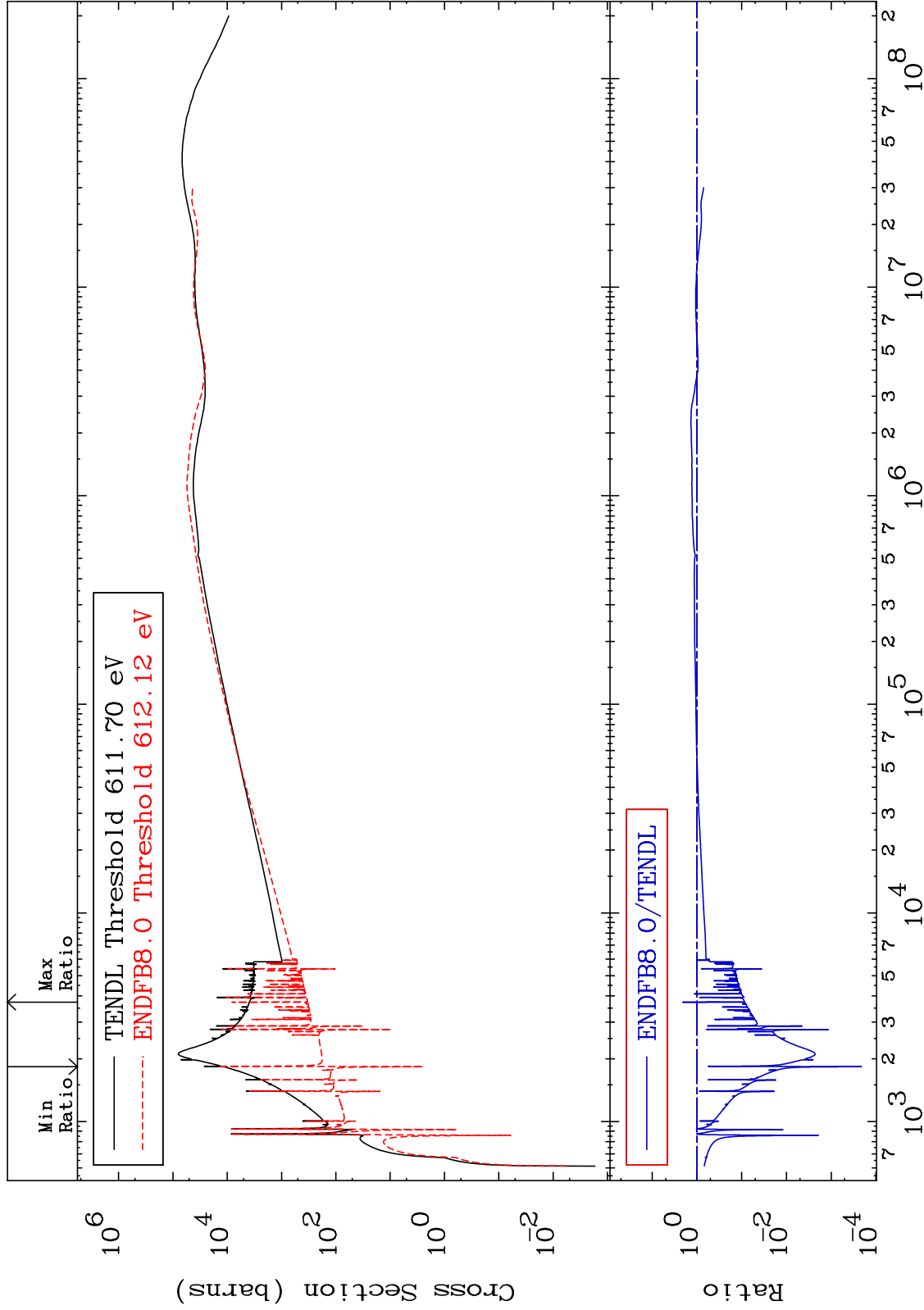
MAT 4637      Dpa total (eV-barns)      46-Pd-106  
 Cross Section      -99.77 To 347.1 %



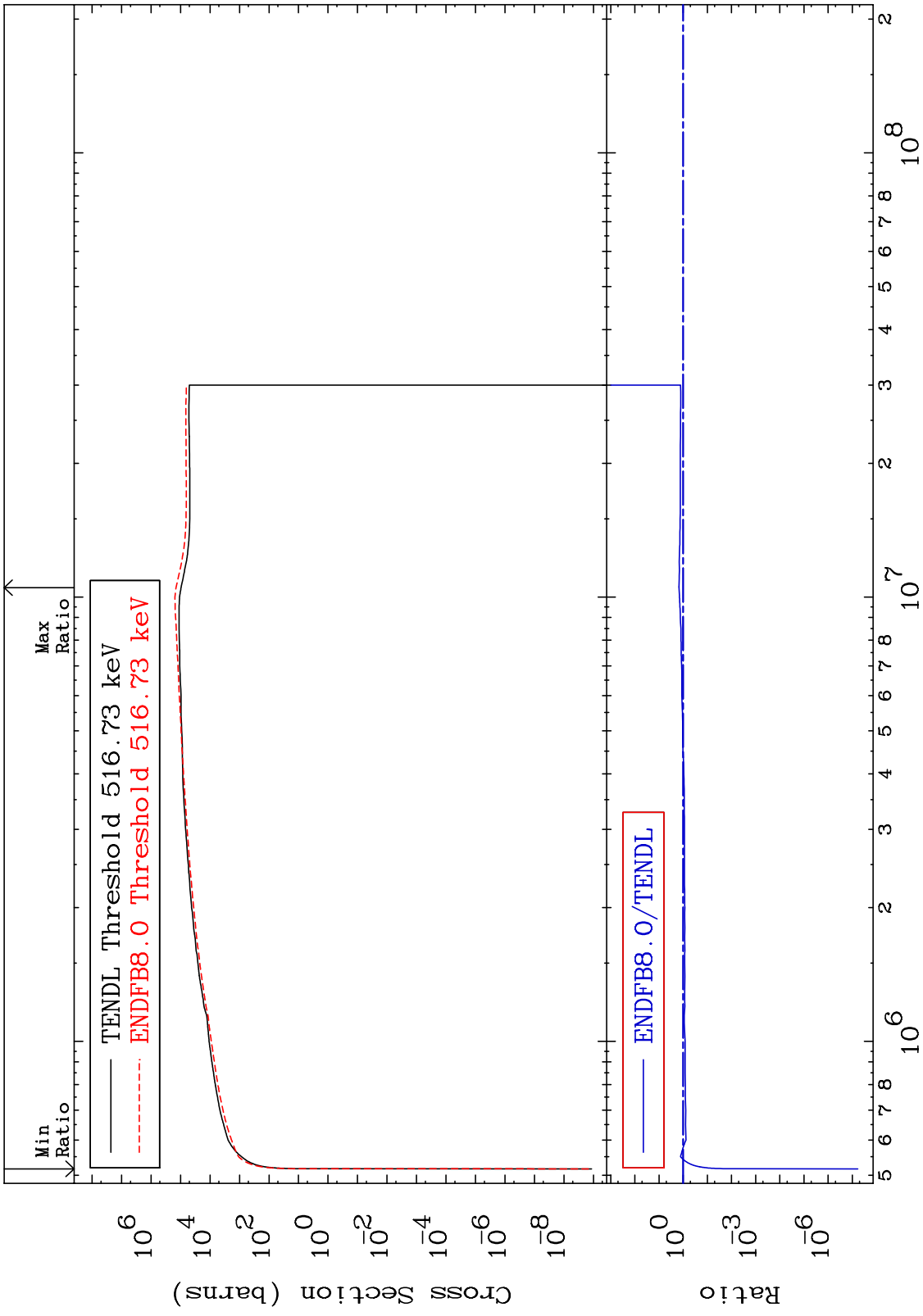
MAT 4637

Dpa elastic (mt2)  
Cross Section

46-Pd-106  
-99.98 To 111.2 %



MAT 4637      Dpa inelastic (mt51-91)      46-Pd-106  
 Cross Section      -100.0 To 48.06 %



MAT 4637      Dpa disappearance (mt102 -120)      46-Pd-106  
 Cross Section      -99.99 To 9999. %

