

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

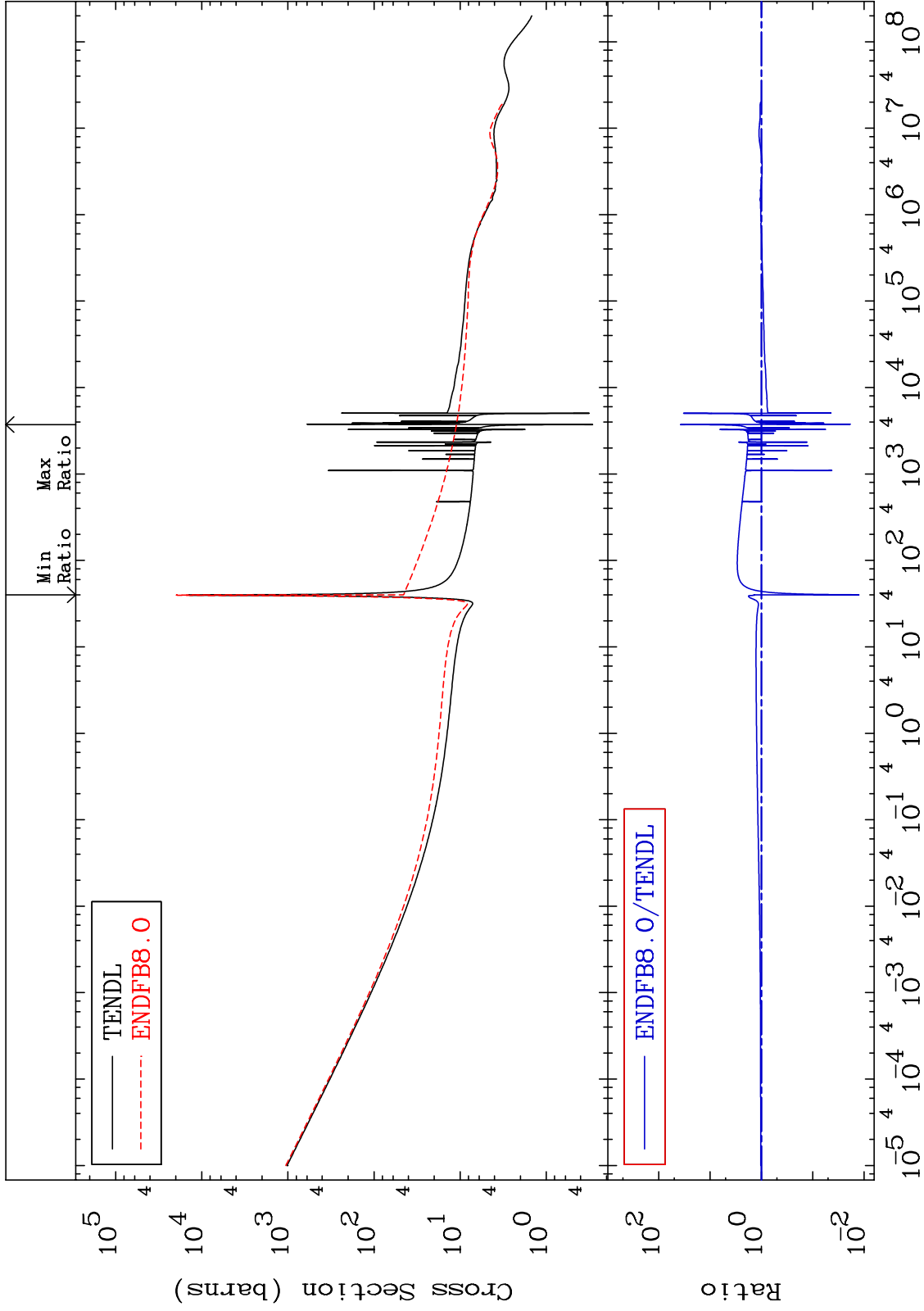
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3637

Total  
Cross Section

36-Kr-82  
-98.74 To 3725. %



1

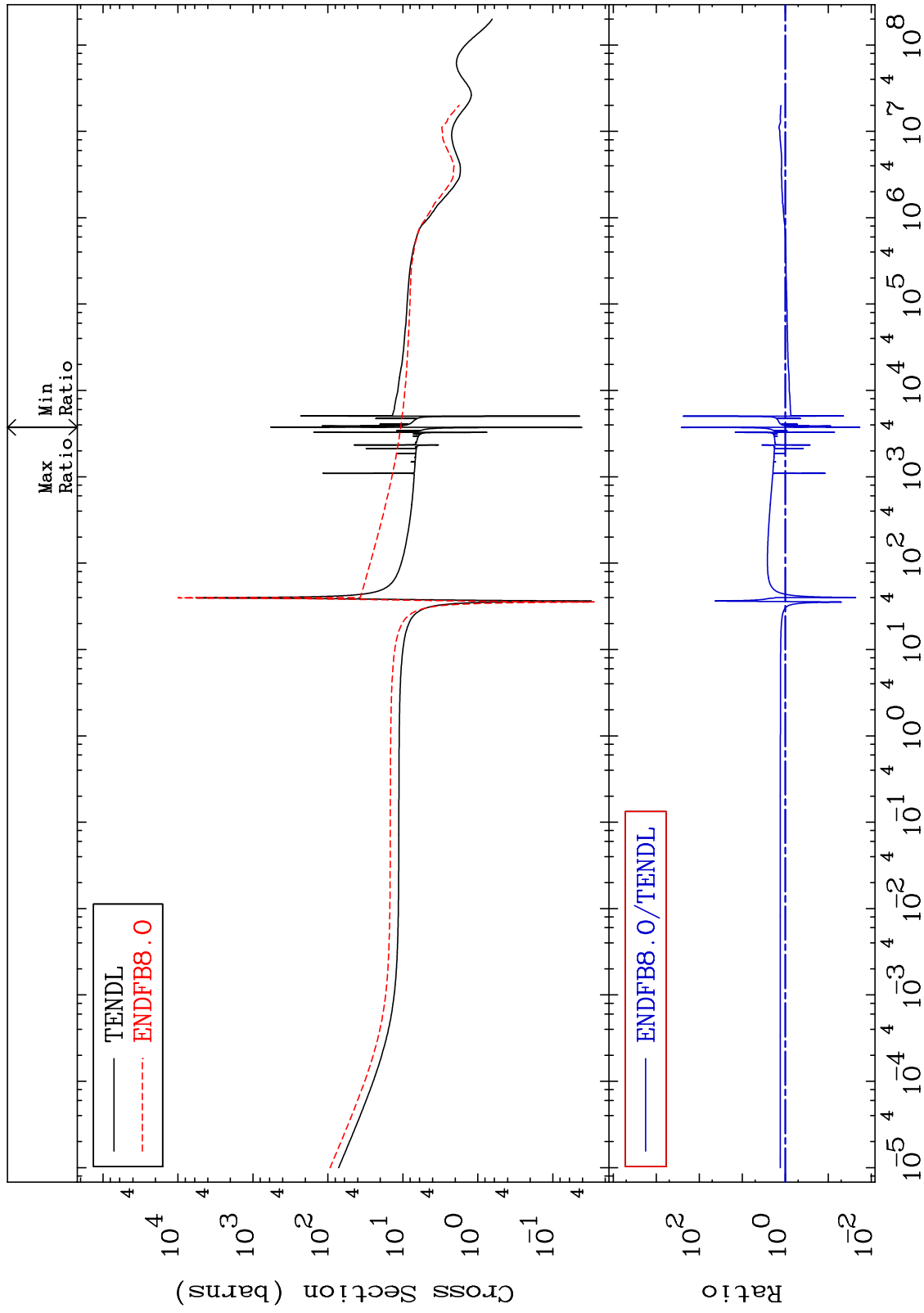
Incident Energy (eV)

36-Kr-82

MAT 3637

Elastic  
Cross Section

36-Kr-82  
-98.15 To 9999. %



2

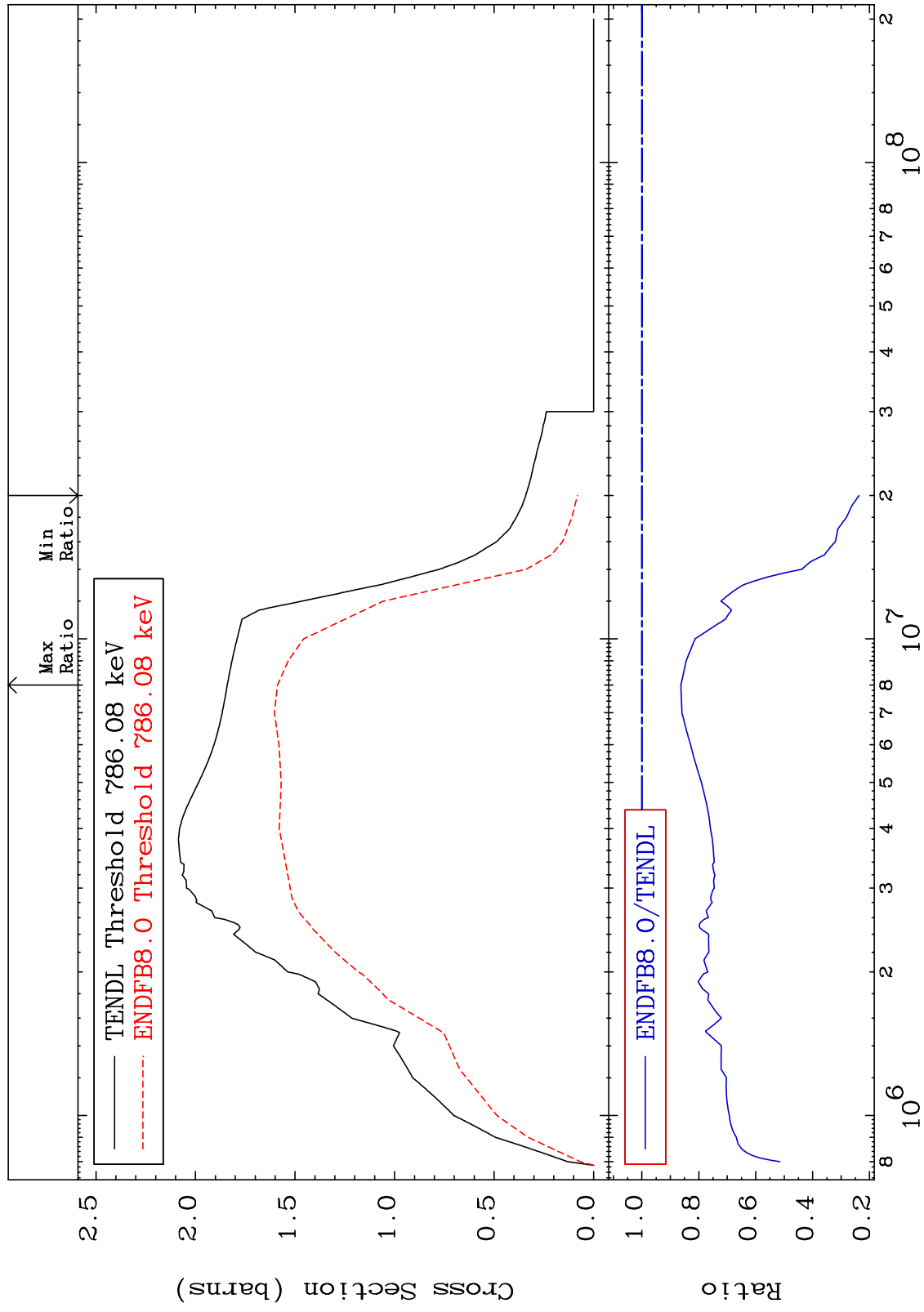
Incident Energy (eV)

36-Kr-82

MAT 3637

36-Kr-82  
-76.30 To -13.69%

Inelastic  
Cross Section

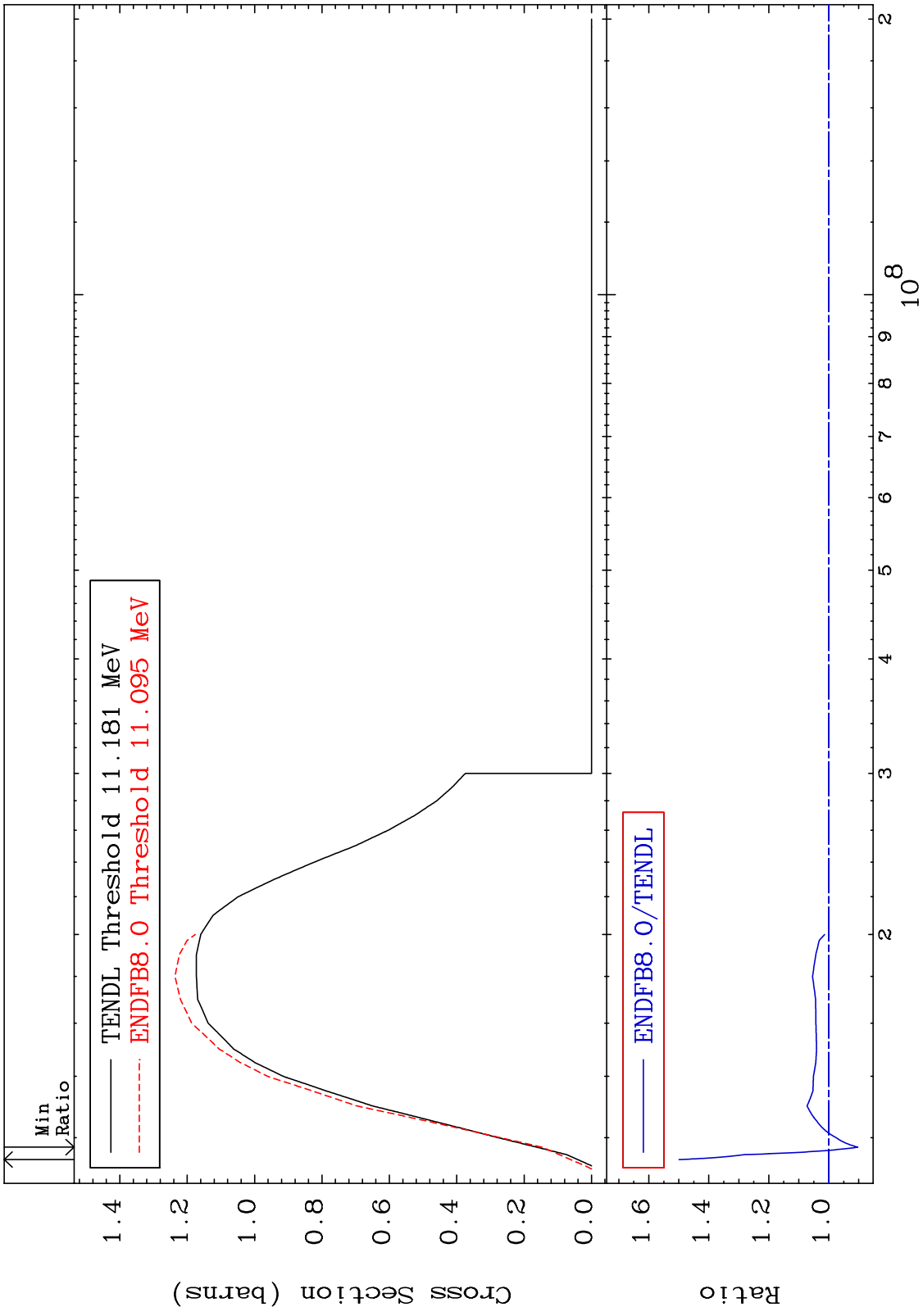


3

Incident Energy (eV)

36-Kr-82

MAT 3637 (n,2n) Cross Section 36-Kr-82 -9.699 To 49.92 %



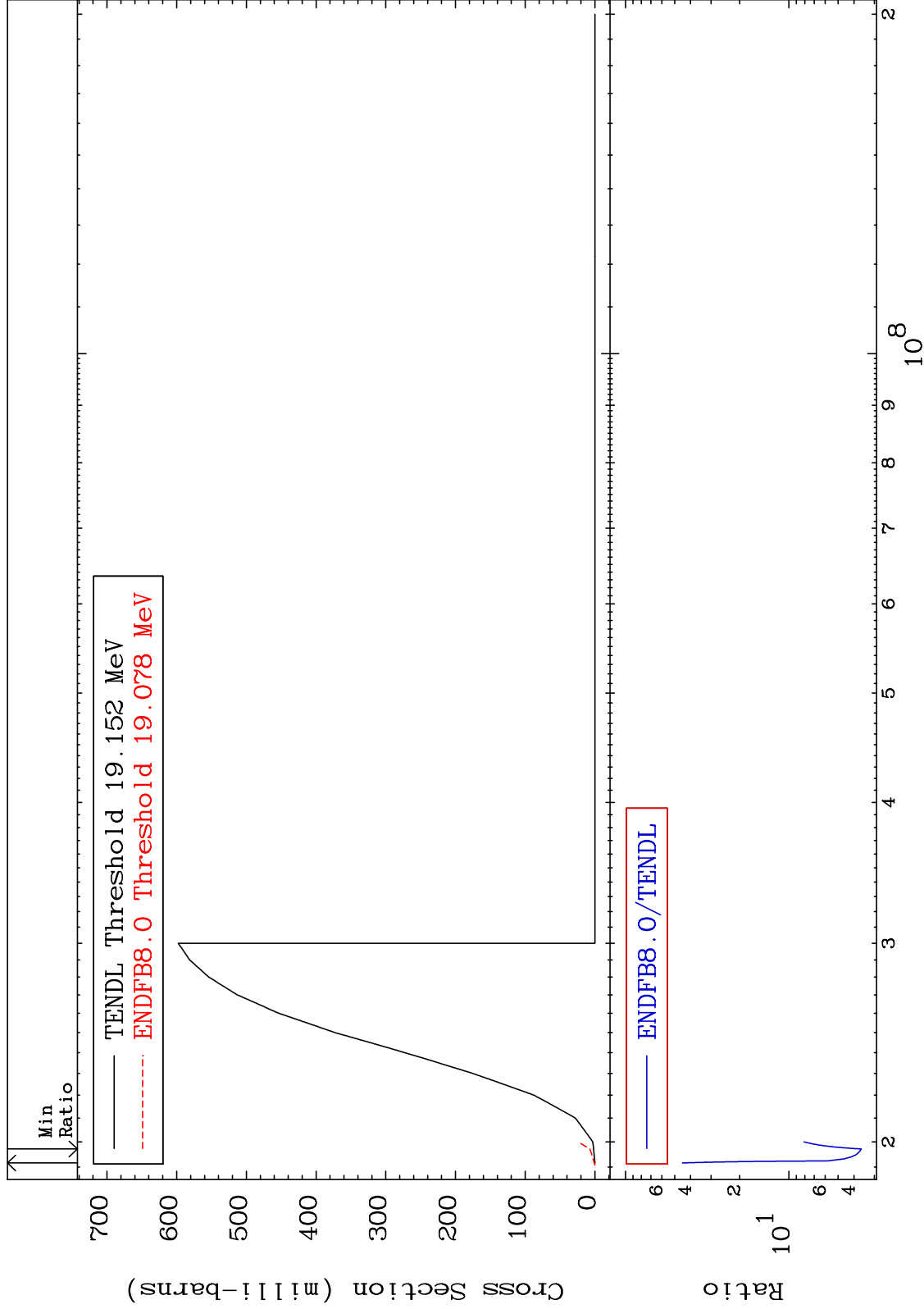
MAT 3637

(n,3n)

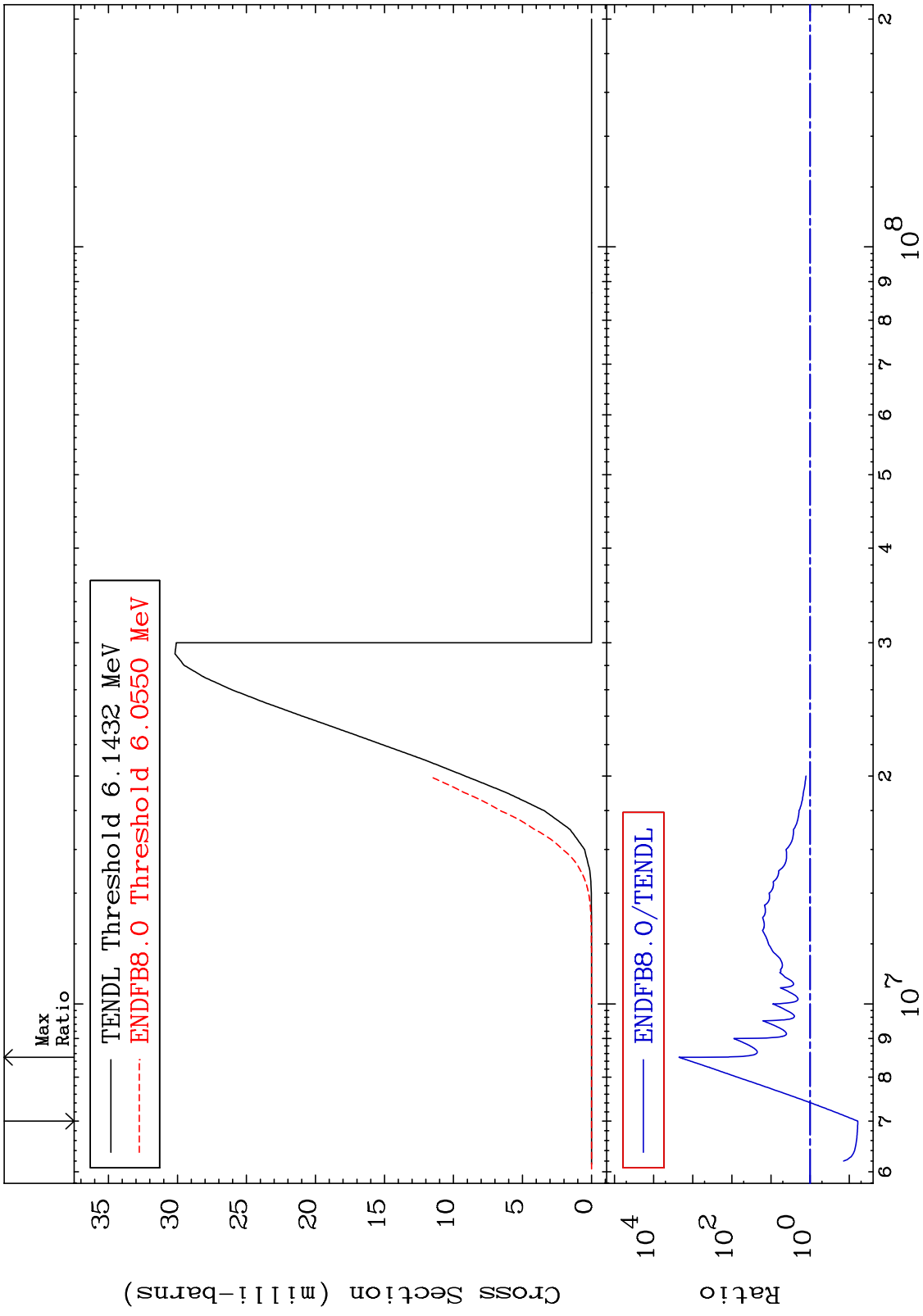
36-Kr-82

Cross Section

260.7 To 4381. %

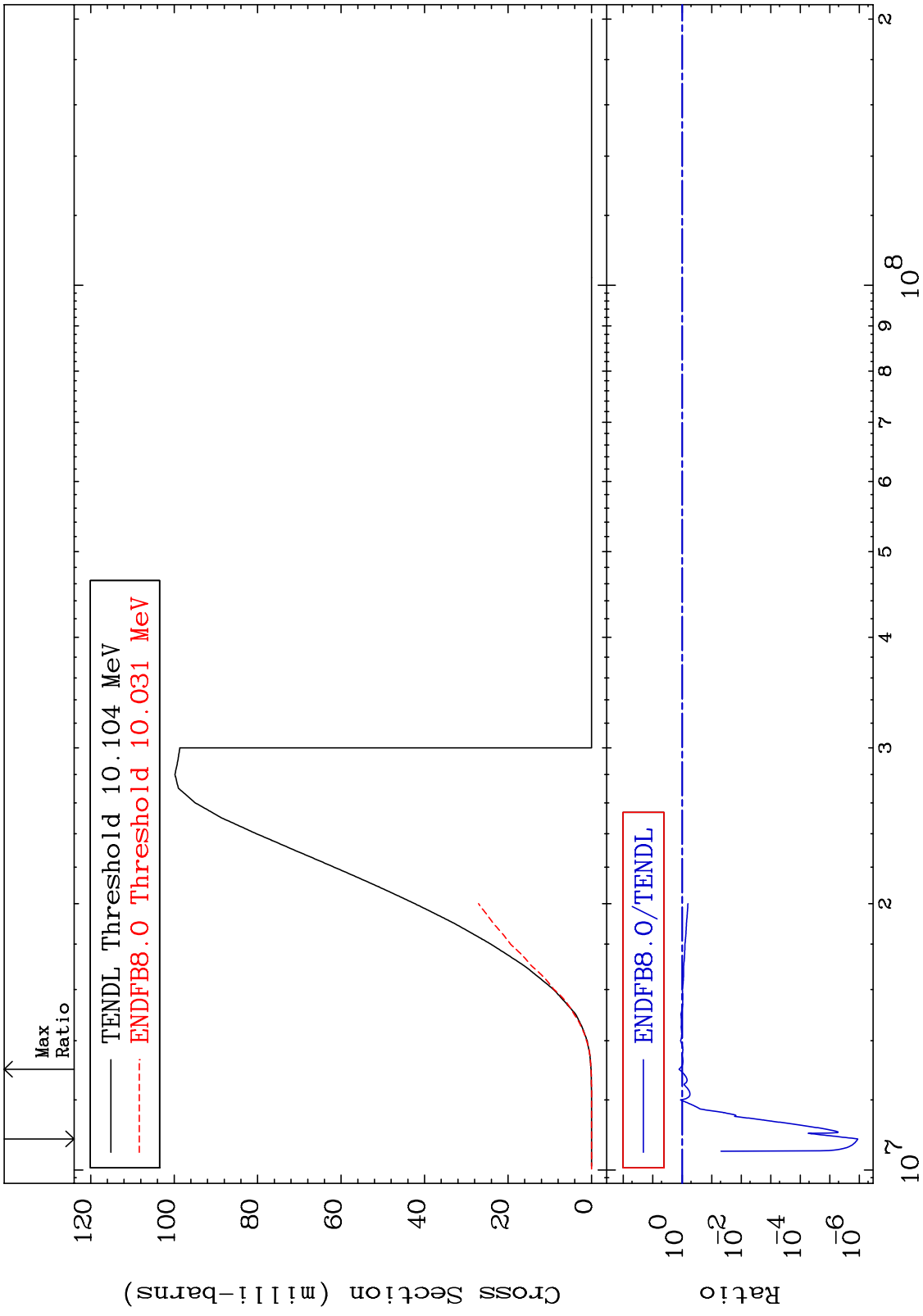


MAT 3637  $(n, n') \alpha$  36-Kr-82  
 Cross Section -93.93 To 9999. %



6 36-Kr-82

MAT 3637 (n,n') p 36-Kr-82  
 Cross Section -100.0 To 27.65 %



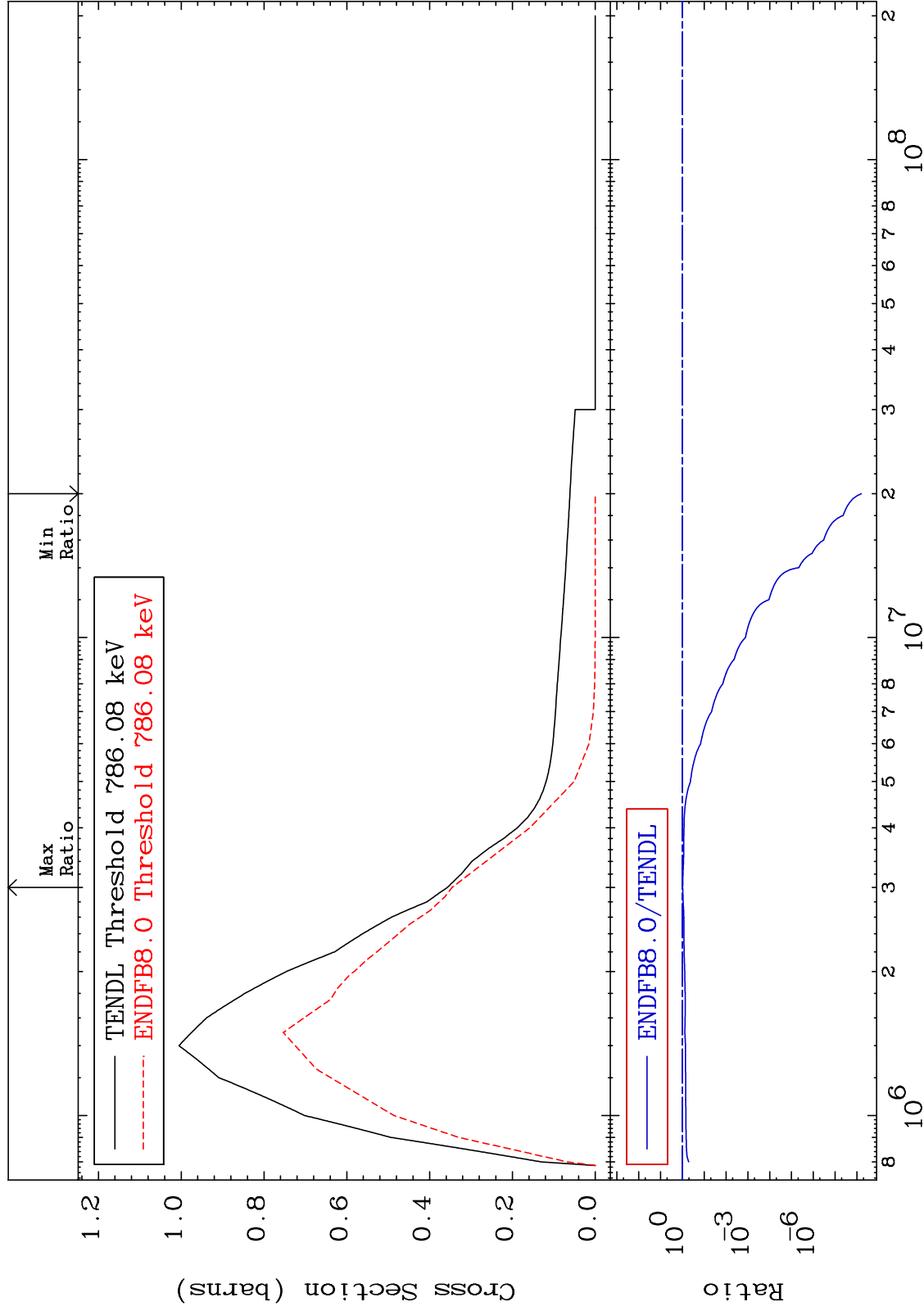
Incident Energy (eV) 36-Kr-82



MAT 3637

MT= 51 (n,n') Level  
Cross Section

36-Kr-82  
-100.0 To -3.141%



8

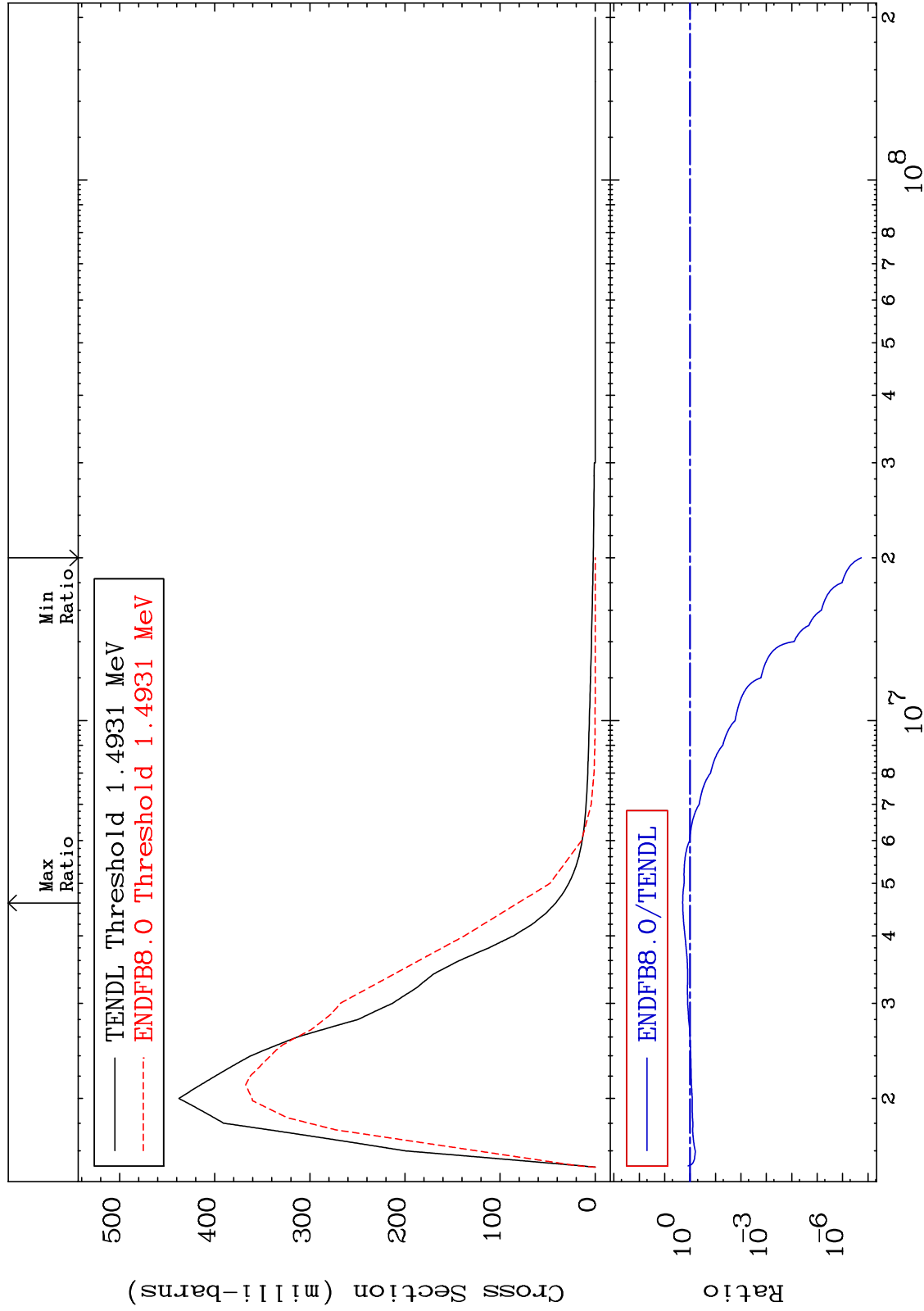
Incident Energy (eV)

36-Kr-82

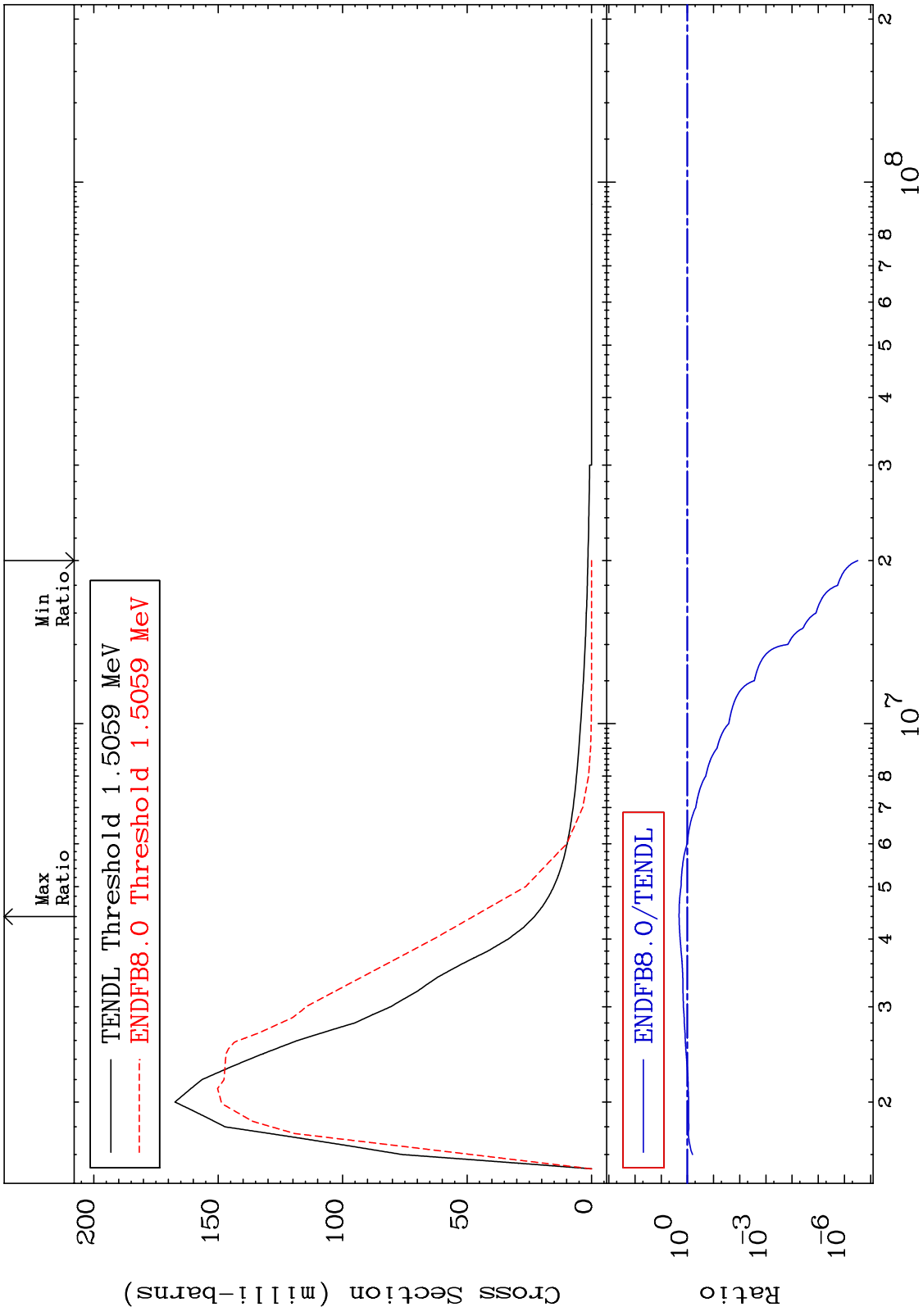
MAT 3637

MT= 52 (n,n') Level  
Cross Section

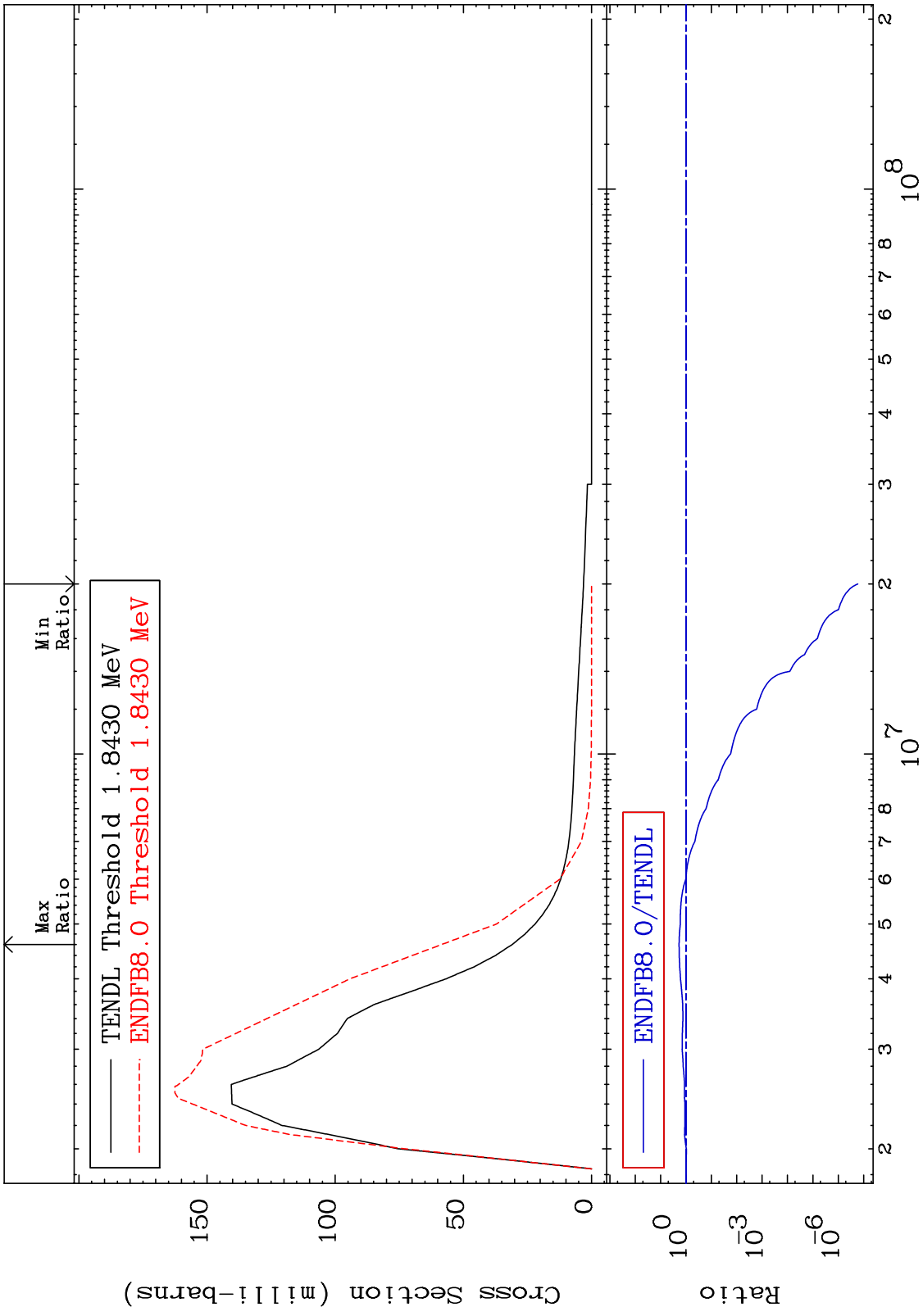
36-Kr-82  
-100.0 To 95.78 %



MAT 3637 MT= 53 (n,n') Level Cross Section -100.0 To 107.8 % 36-Kr-82



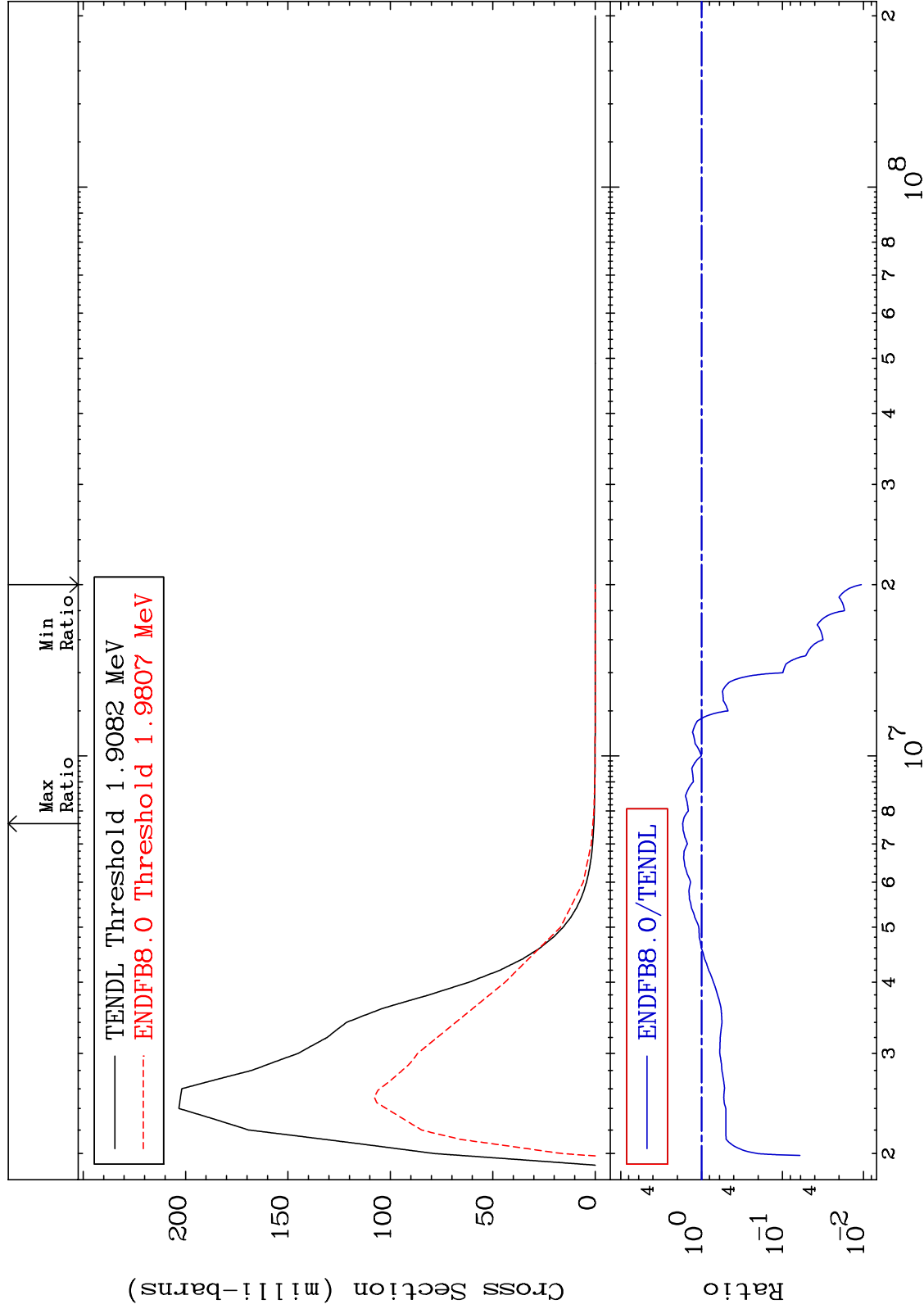
MAT 3637 MT= 54 (n,n') Level Cross Section -100.0 To 88.89 % 36-Kr-82



MAT 3637

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

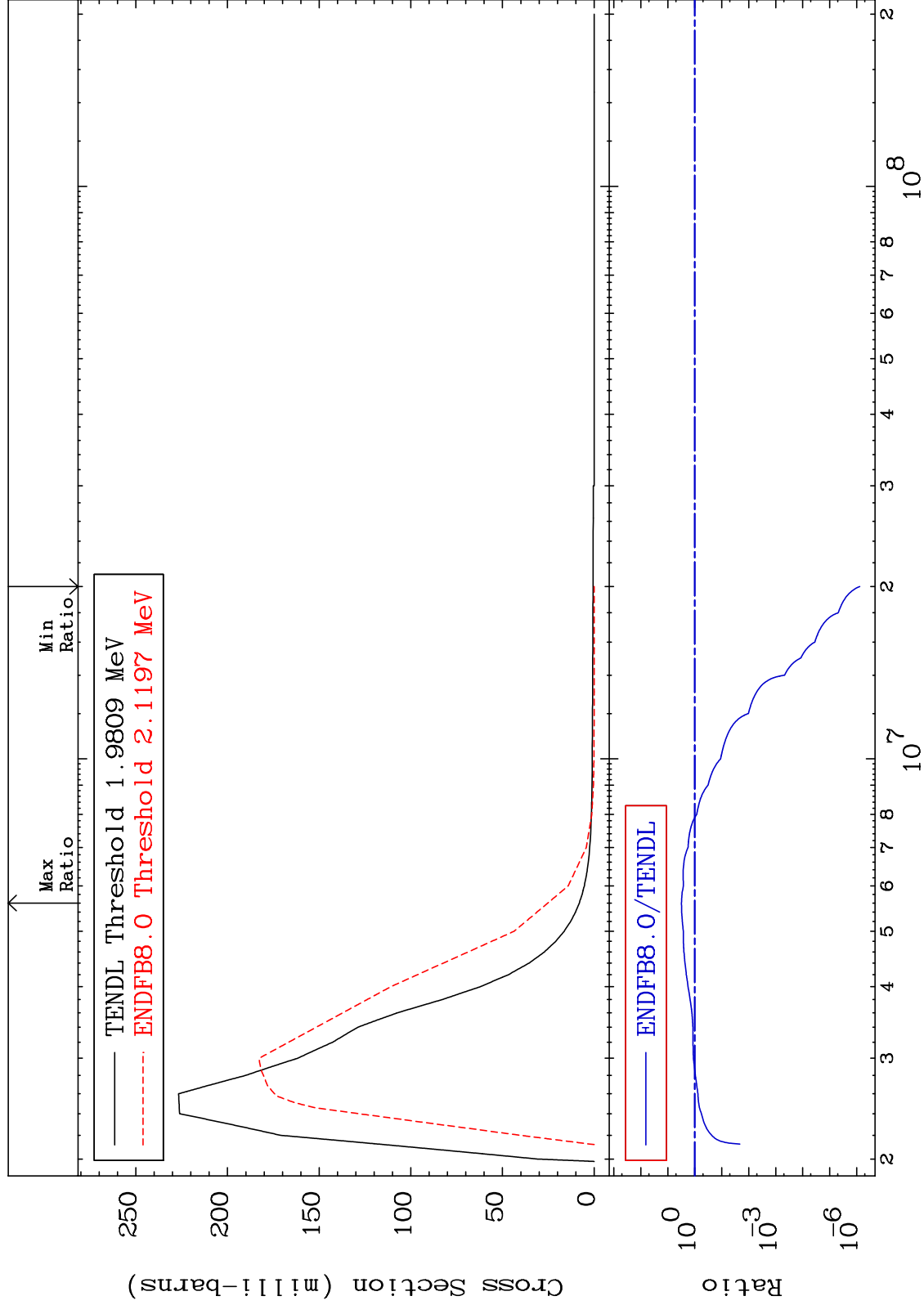
36-Kr-82  
-98.94 To 71.51 %



MAT 3637

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

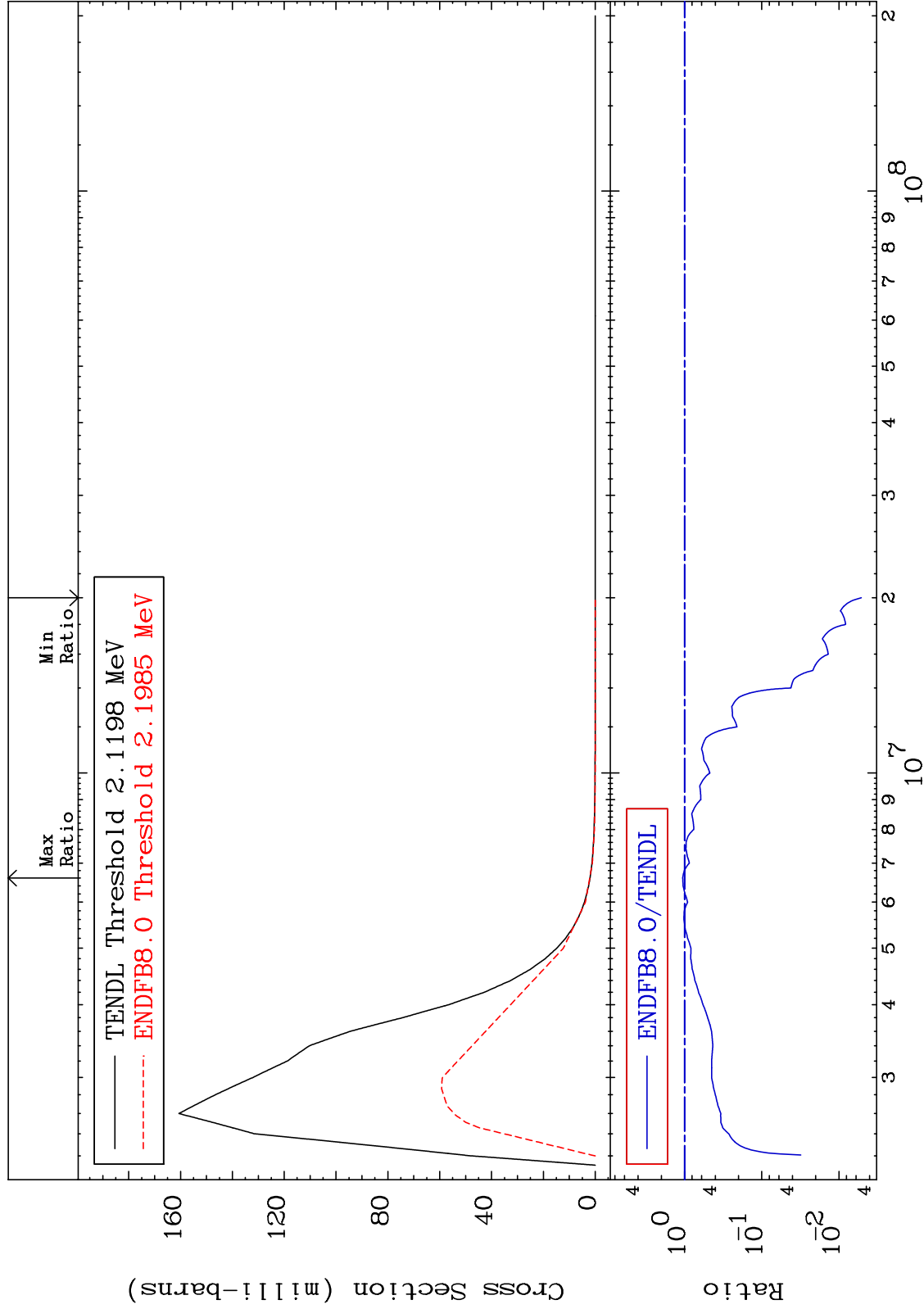
36-Kr-82  
-100.0 To 211.6 %



MAT 3637

MT= 57 (n,n') Level  
Cross Section

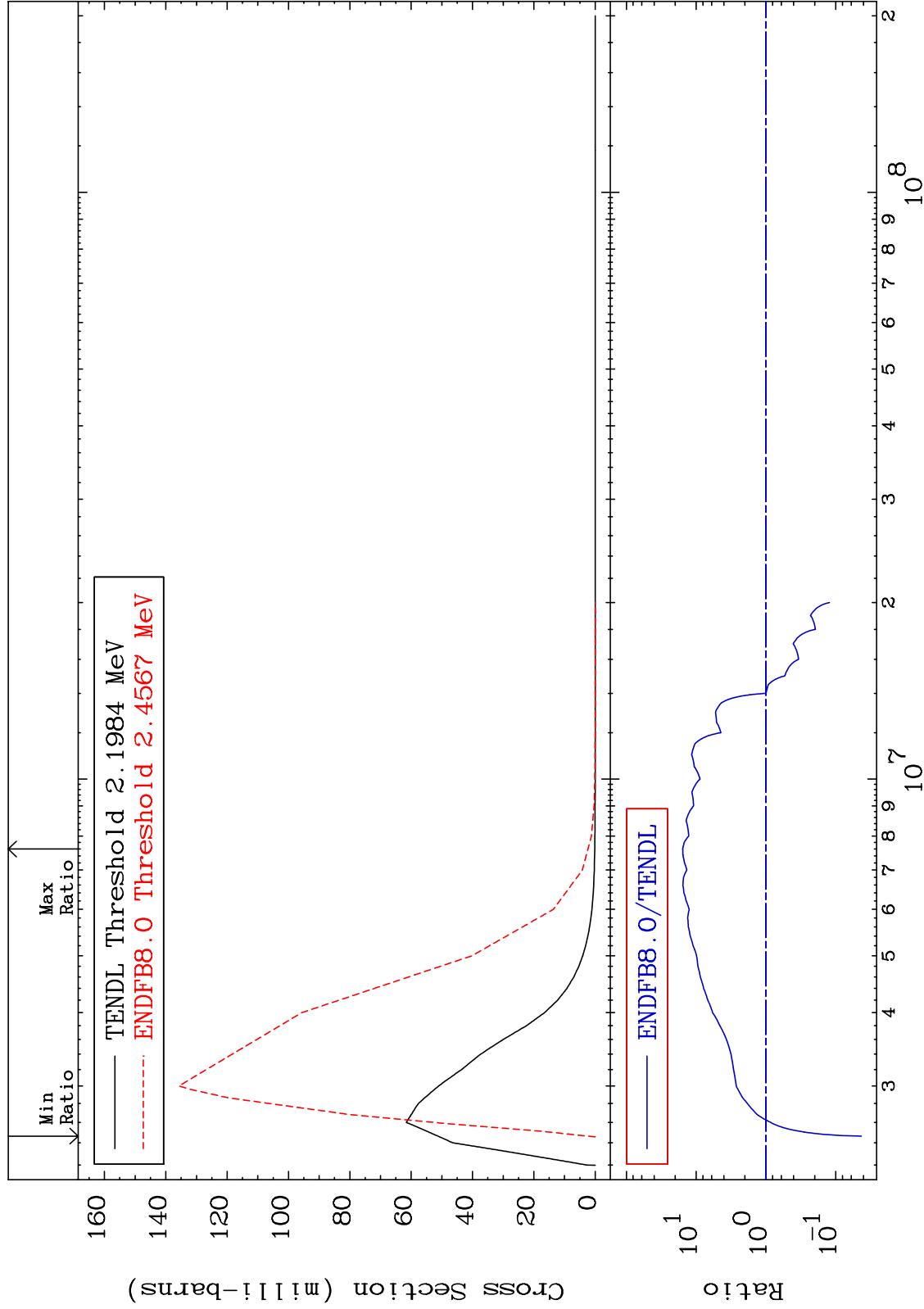
36-Kr-82  
-99.49 To 5.767 %



MAT 3637

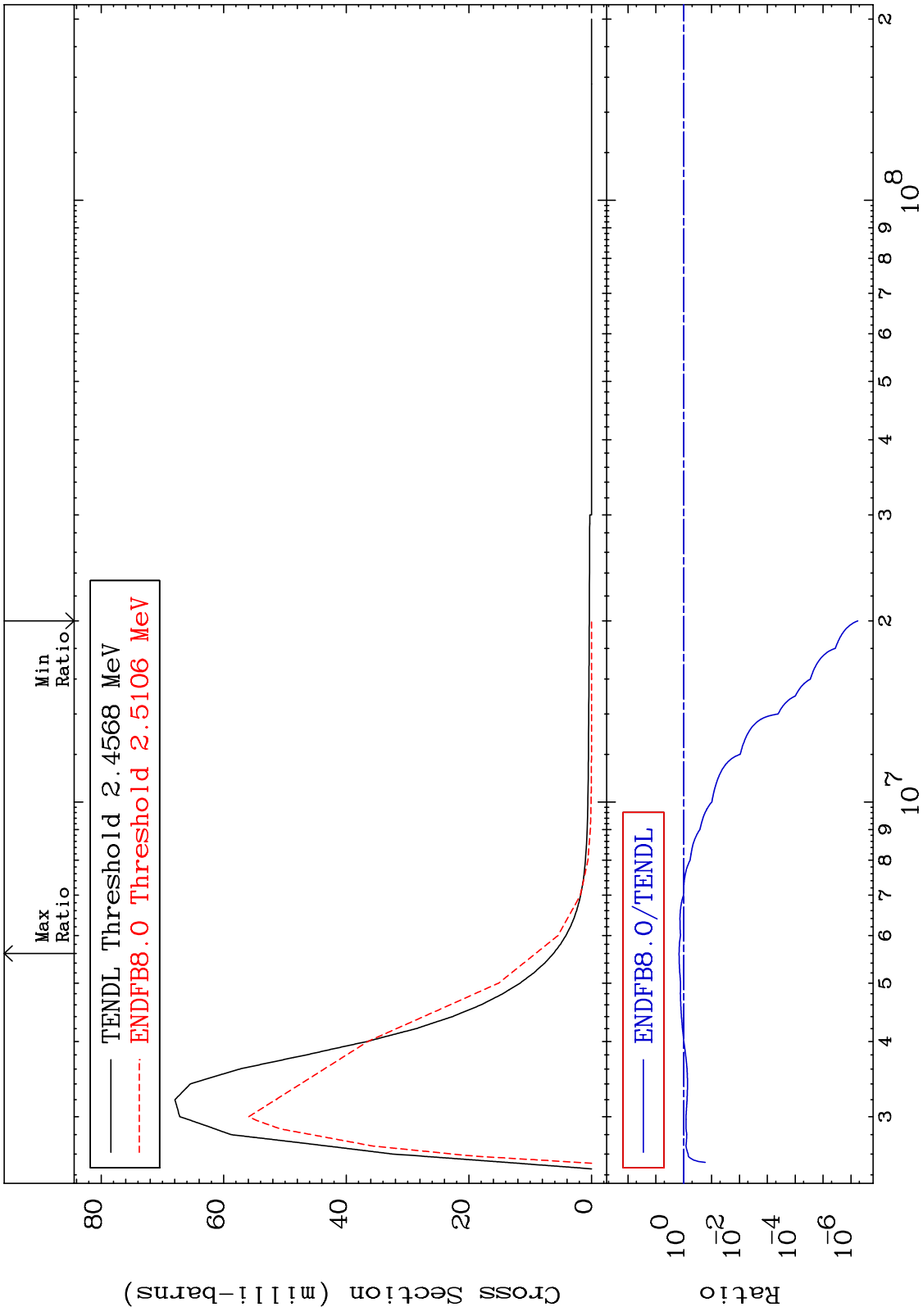
MT= 58 (n,n') Level  
Cross Section

36-Kr-82  
-95.71 To 1459. %





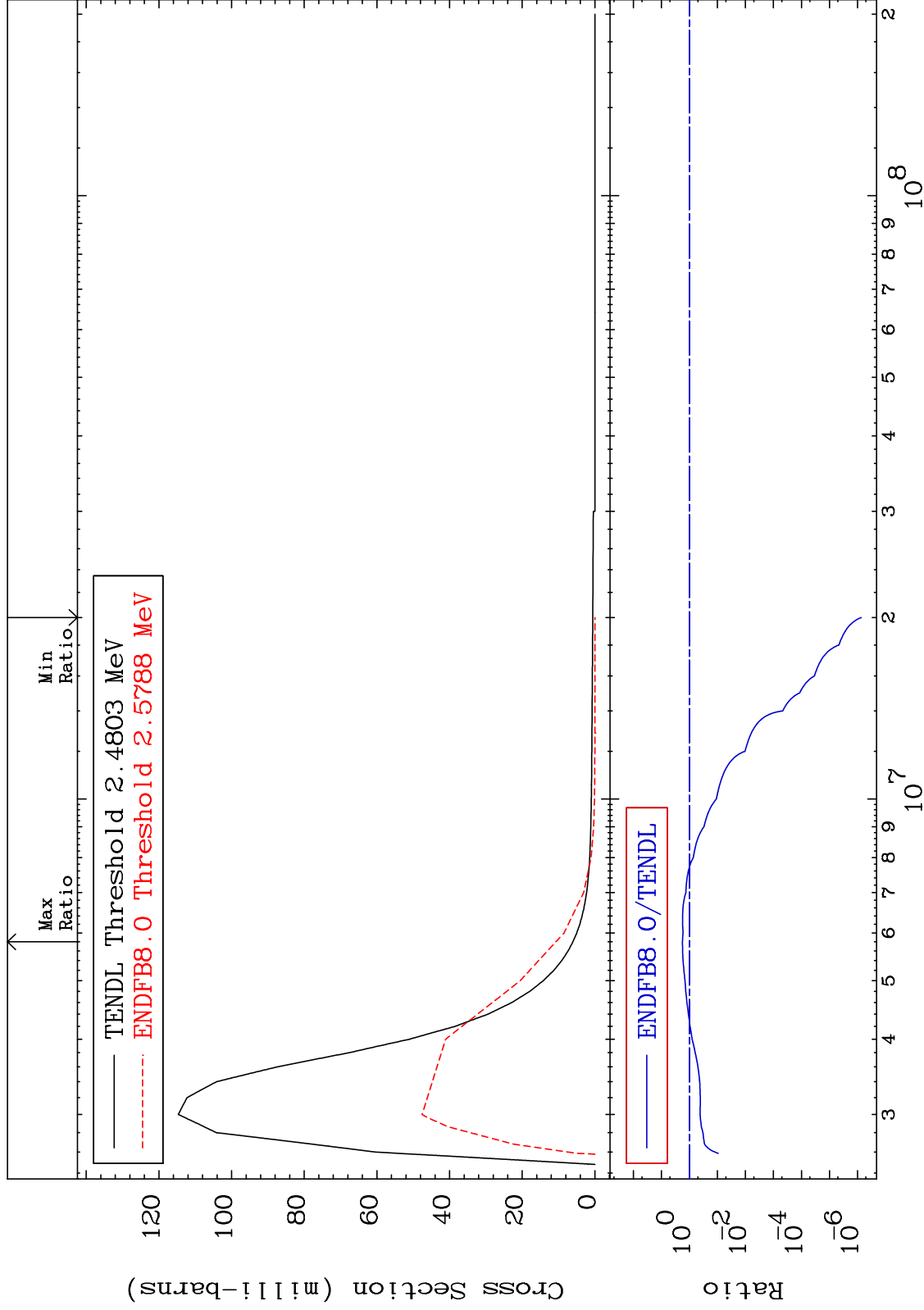
MAT 3637 MT= 59 (n,n') Level Cross Section -100.0 To 46.99 % 36-Kr-82



MAT 3637

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

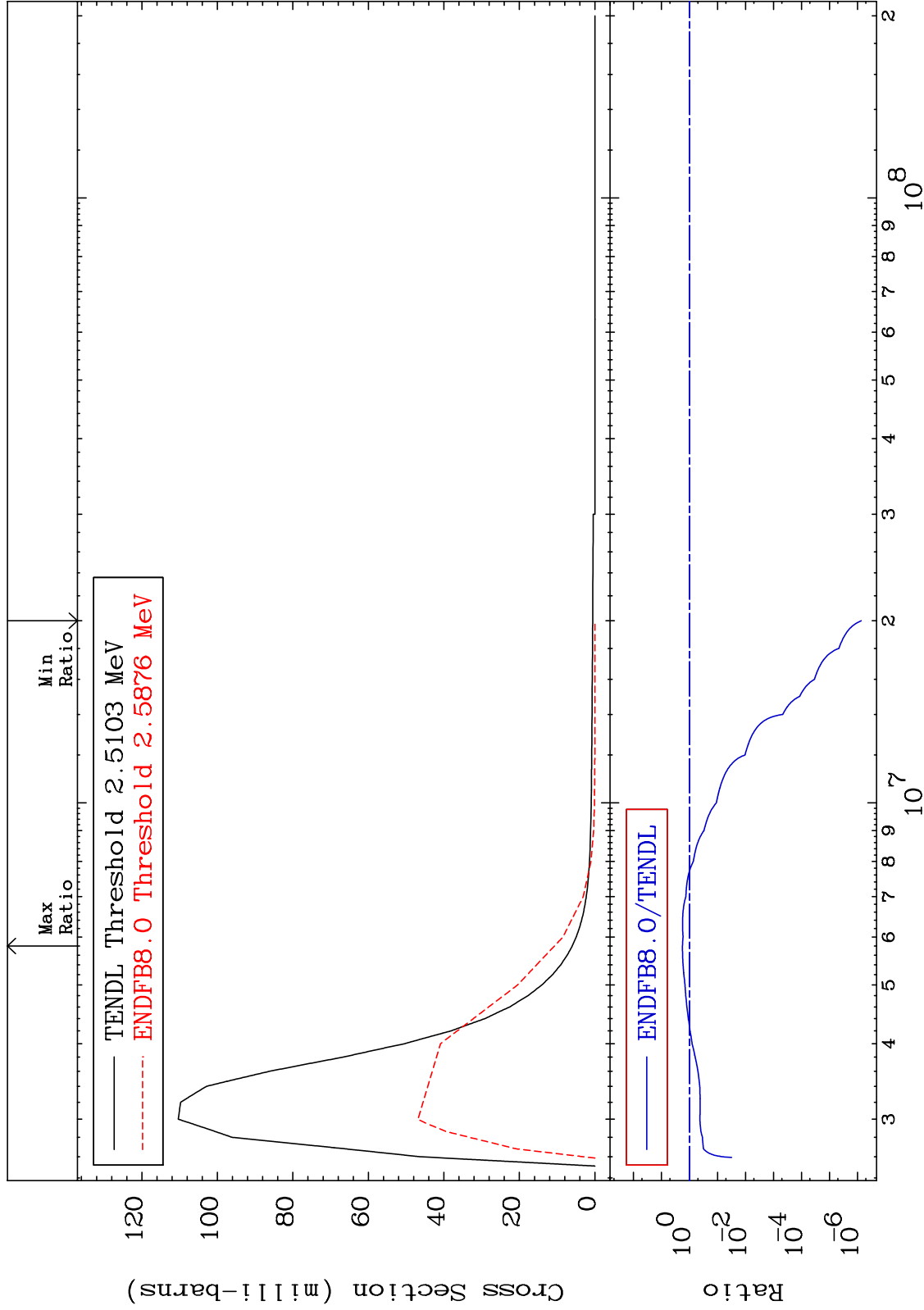
36-Kr-82  
-100.0 To 77.74 %



MAT 3637

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

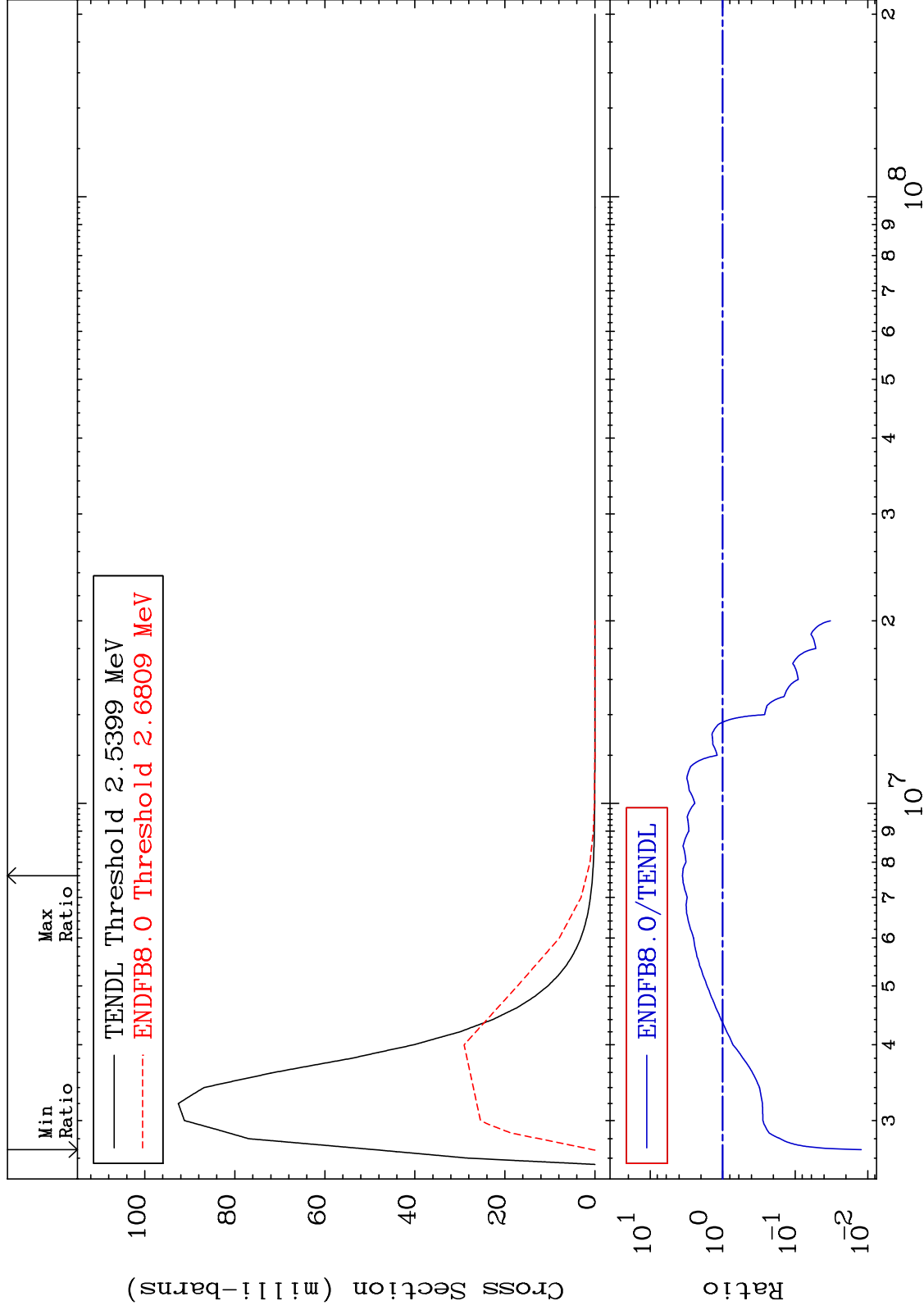
36-Kr-82  
-100.0 To 78.47 %



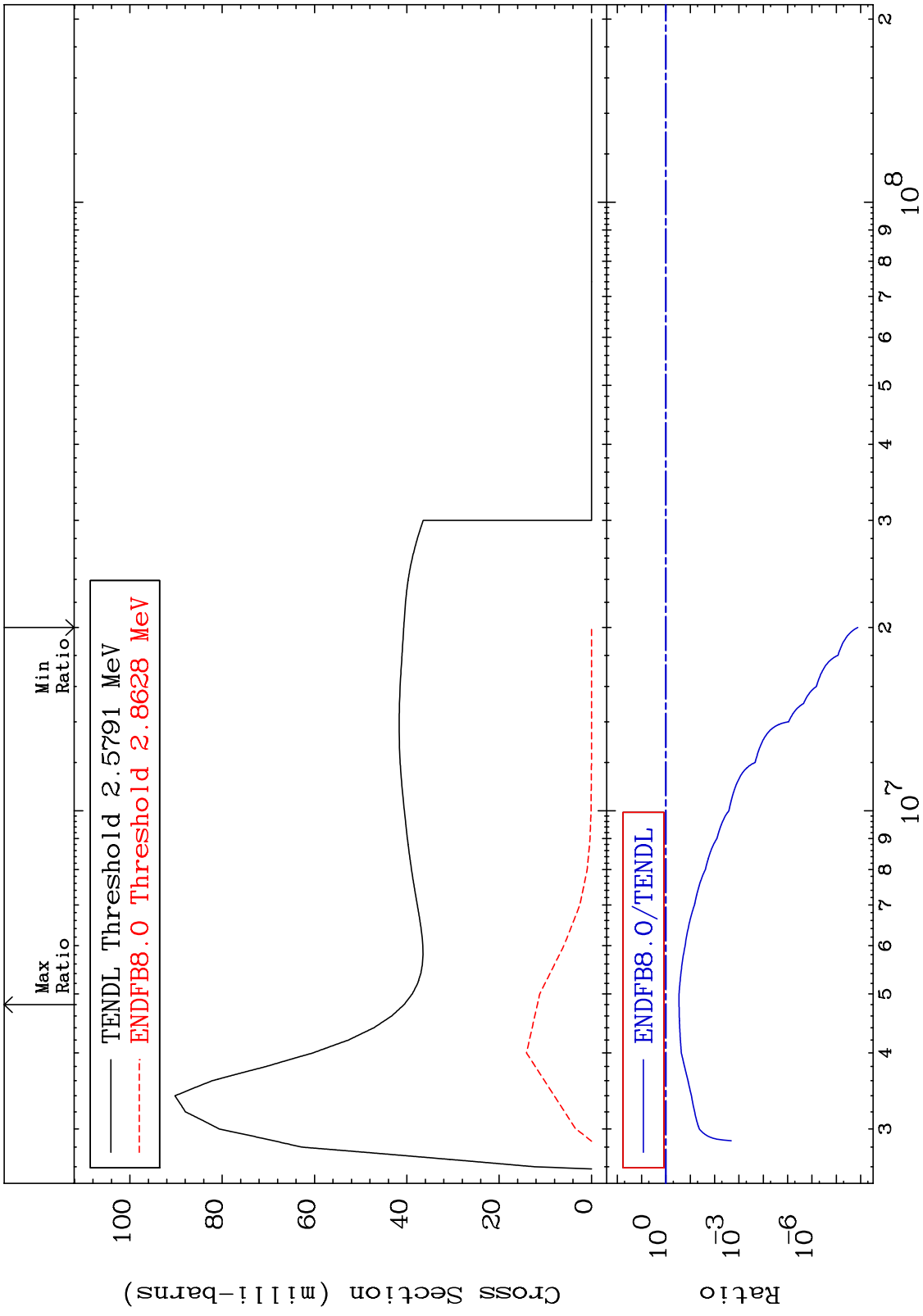
MAT 3637

MT= 62 (n,n') Level  
Cross Section

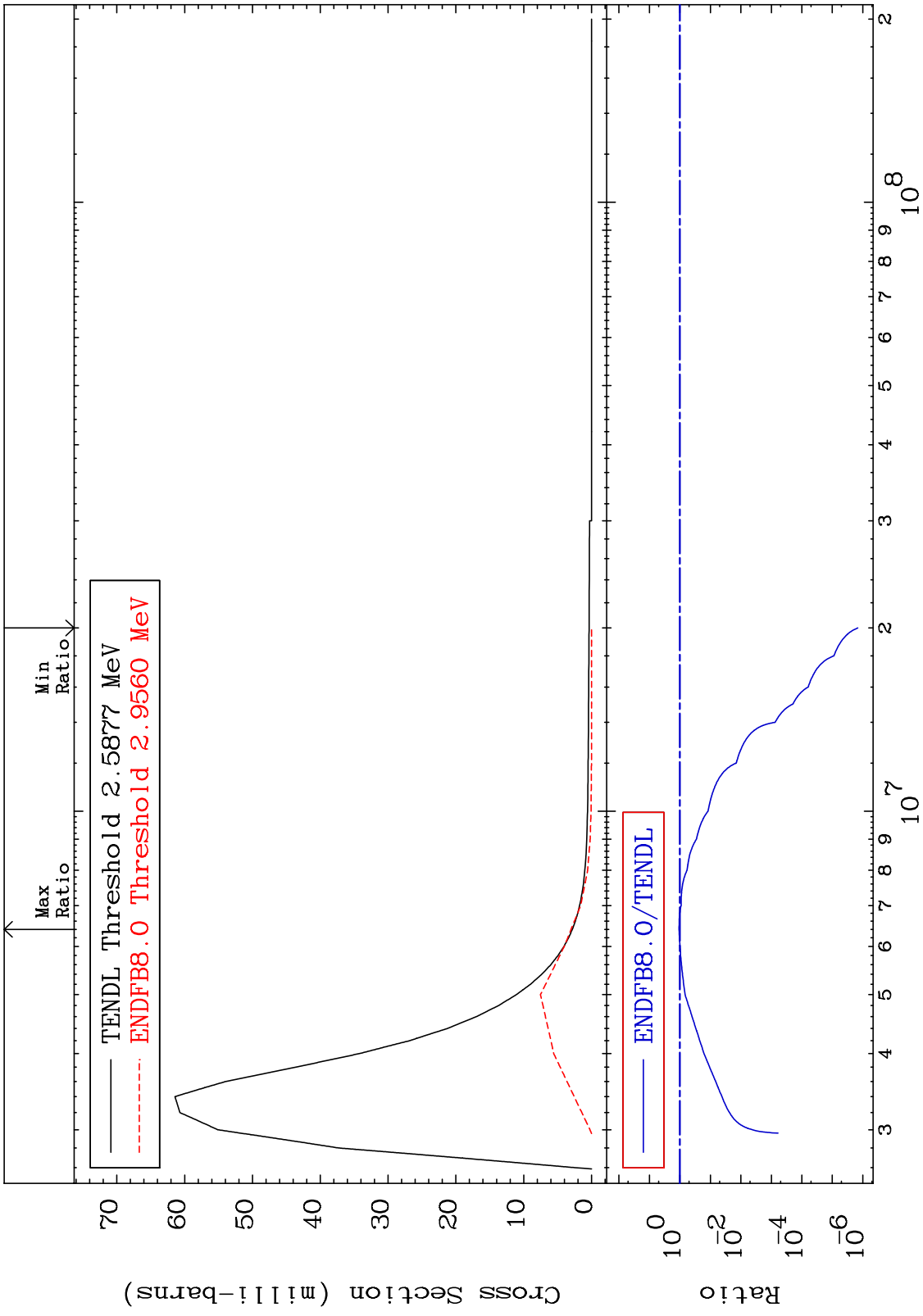
36-Kr-82  
-98.77 To 258.8 %



MAT 3637 MT= 63 (n,n') Level Cross Section -100.0 To -71.09% 36-Kr-82



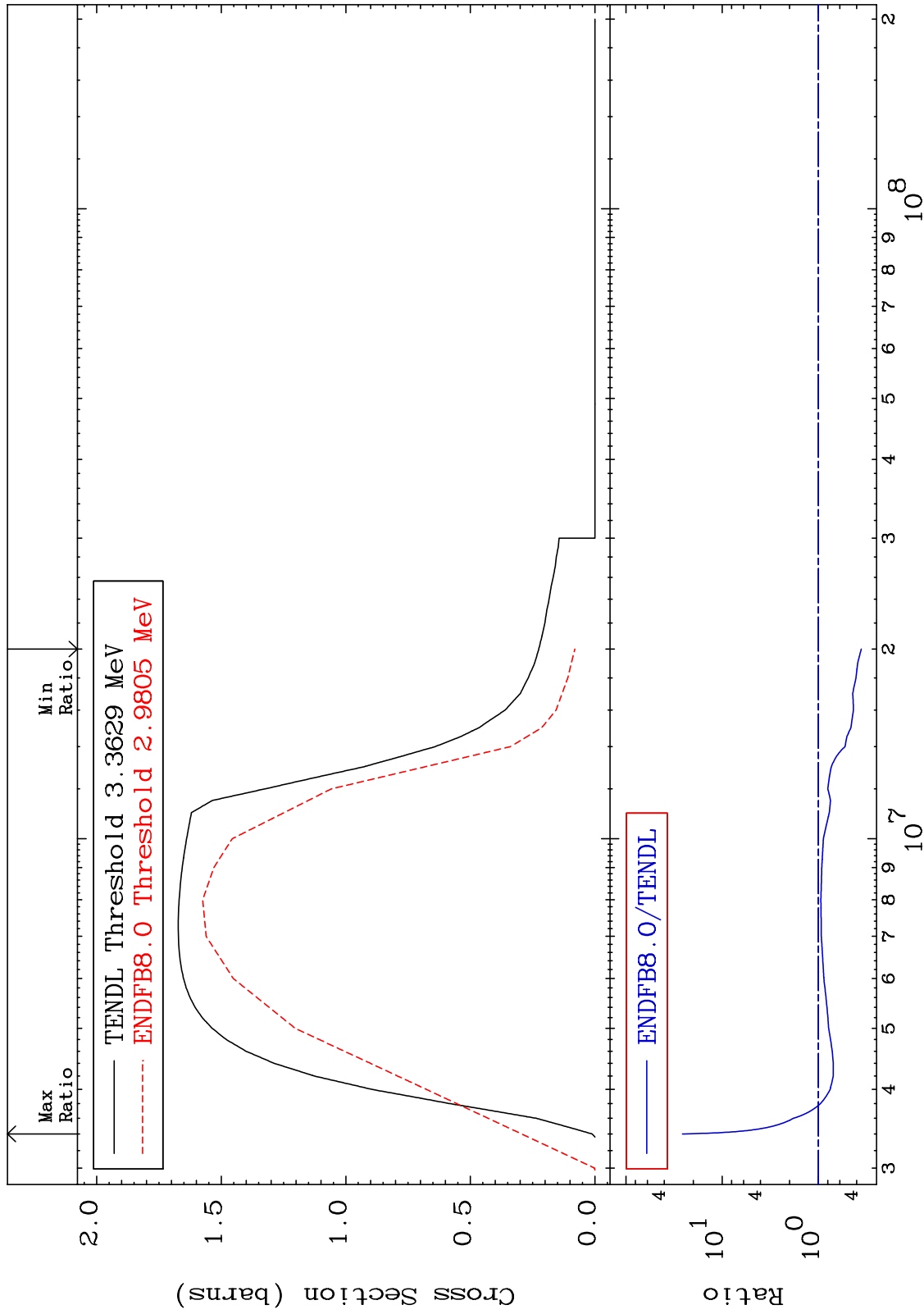
MAT 3637 MT= 64 (n,n') Level Cross Section -100.0 To 6.611 % 36-Kr-82



MAT 3637

(n,n') Continuum  
Cross Section

36-Kr-82  
-64.14 To 2487. %



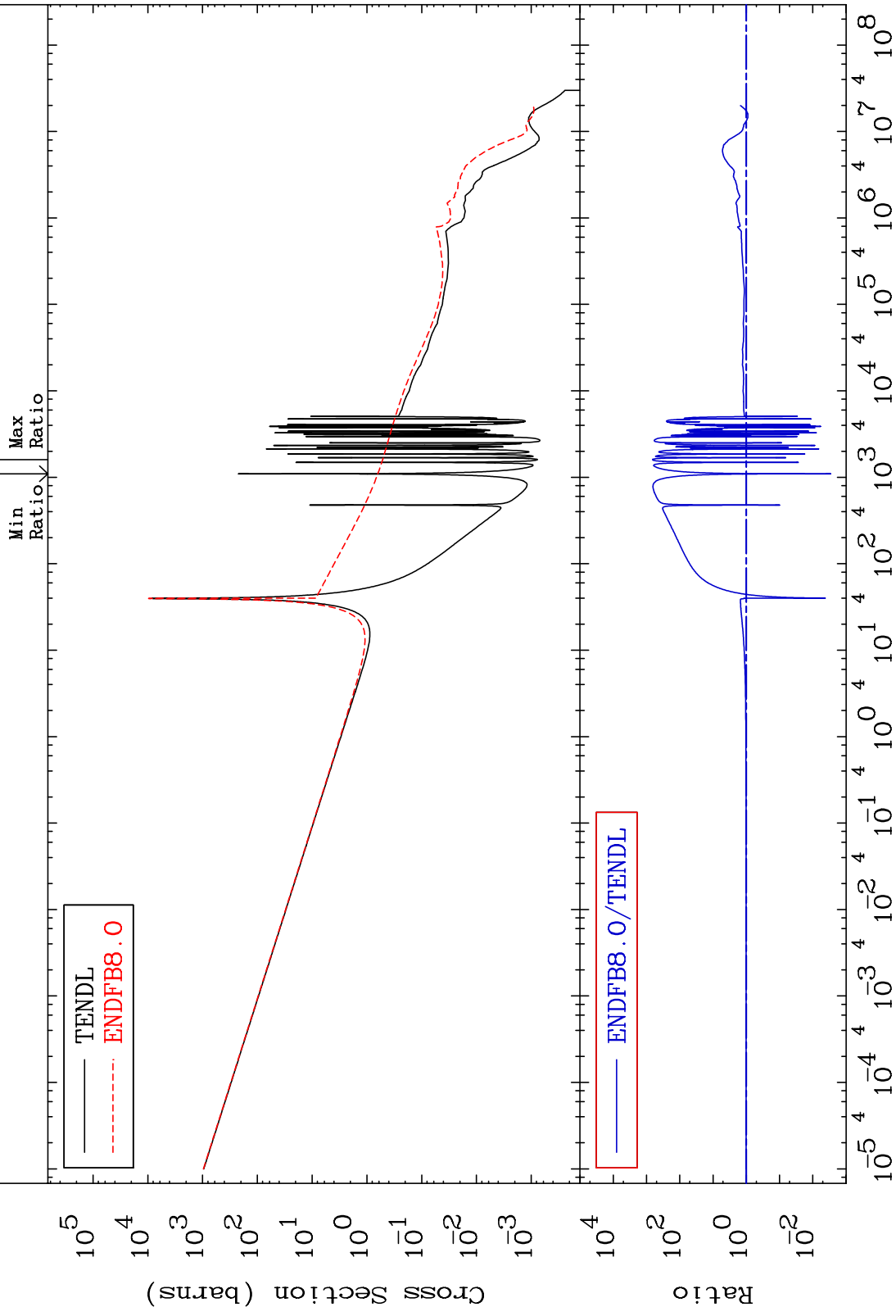
MAT 3637

(n,  $\gamma$ )

36-Kr-82

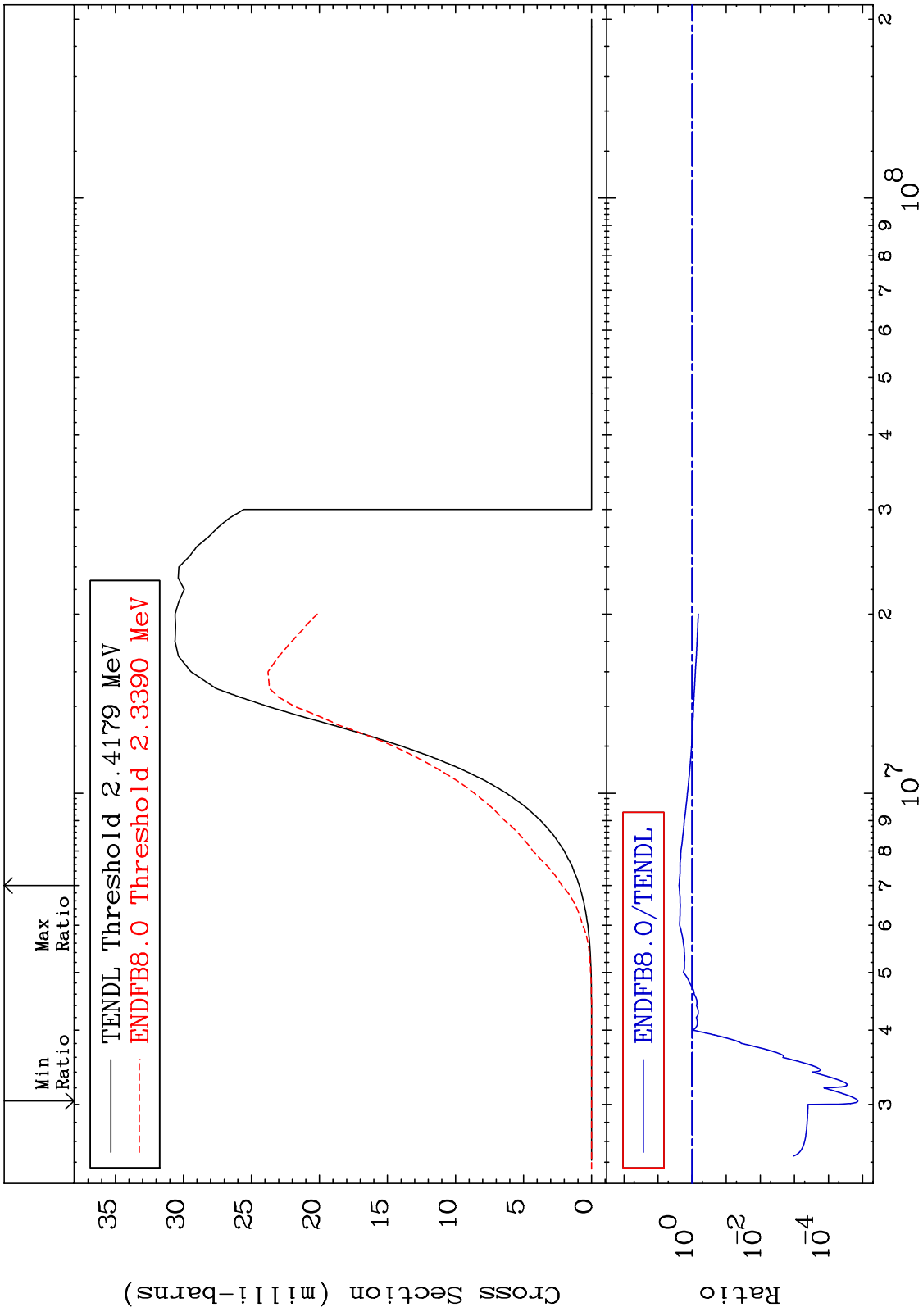
-99.71 To 9999. %

Cross Section

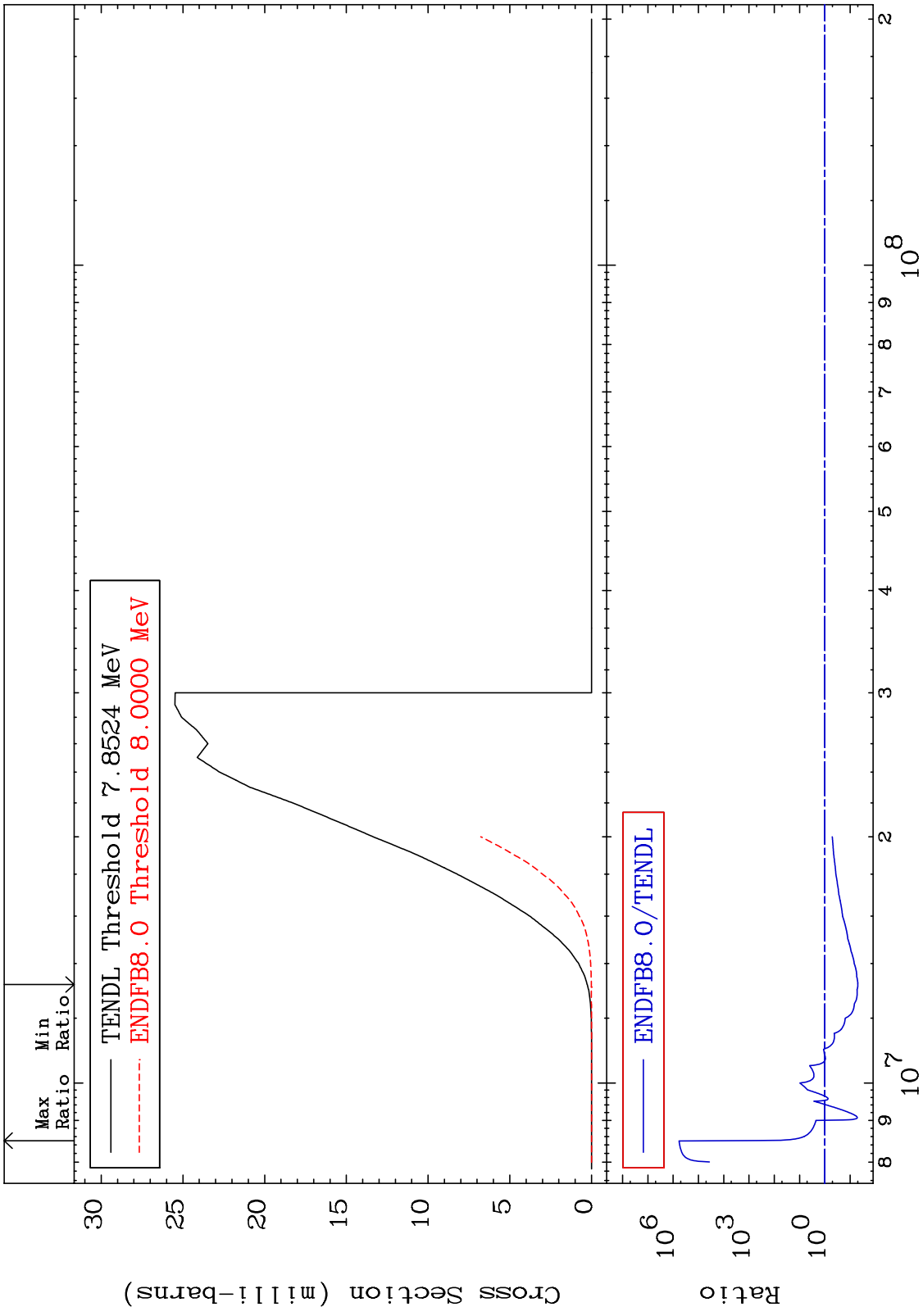




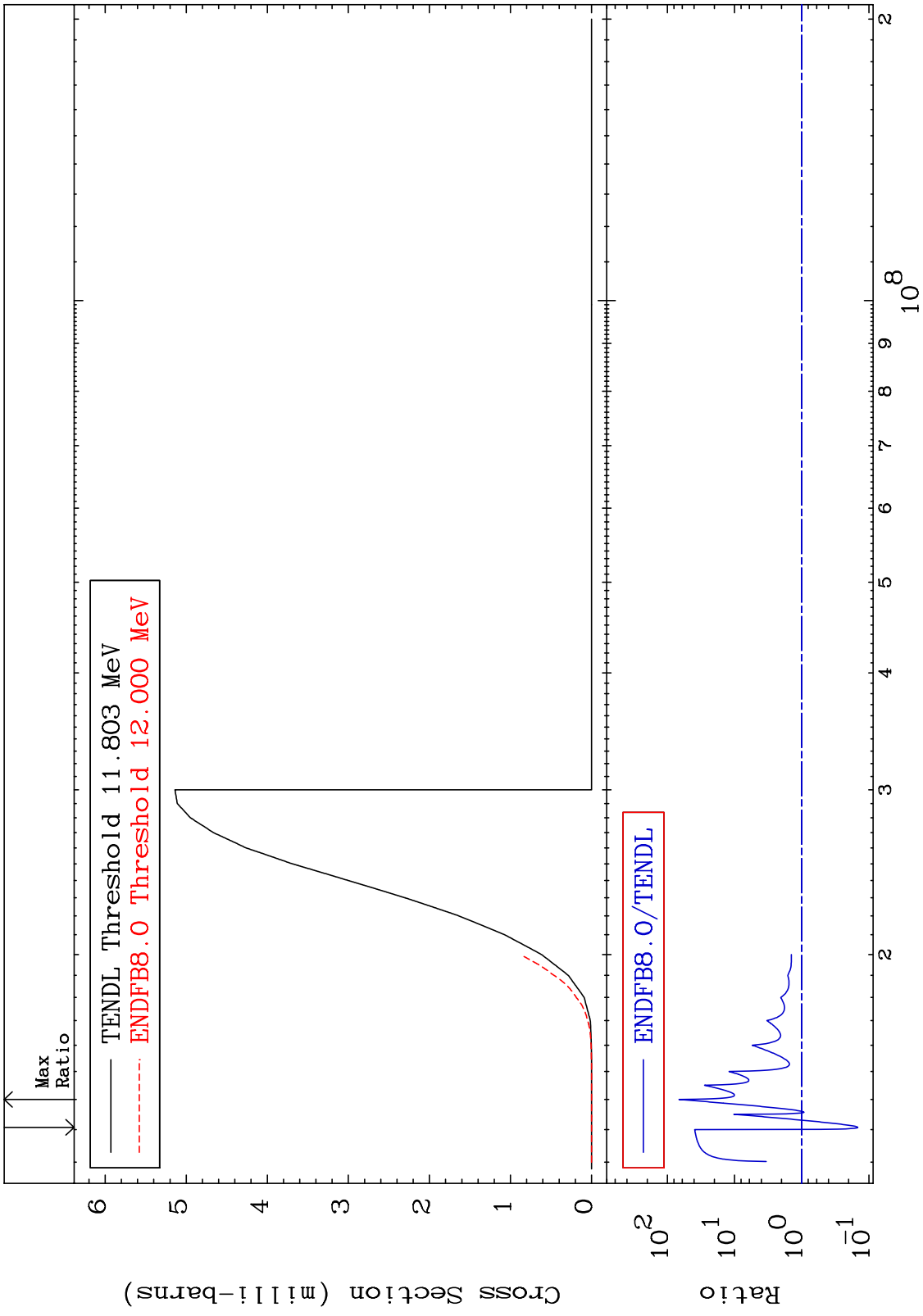
MAT 3637 (n,p) Cross Section 36-Kr-82 -100.0 To 142.9 %



MAT 3637 (n,d) Cross Section 36-Kr-82 -95.05 To 9999. %



25 36-Kr-82 Incident Energy (eV)



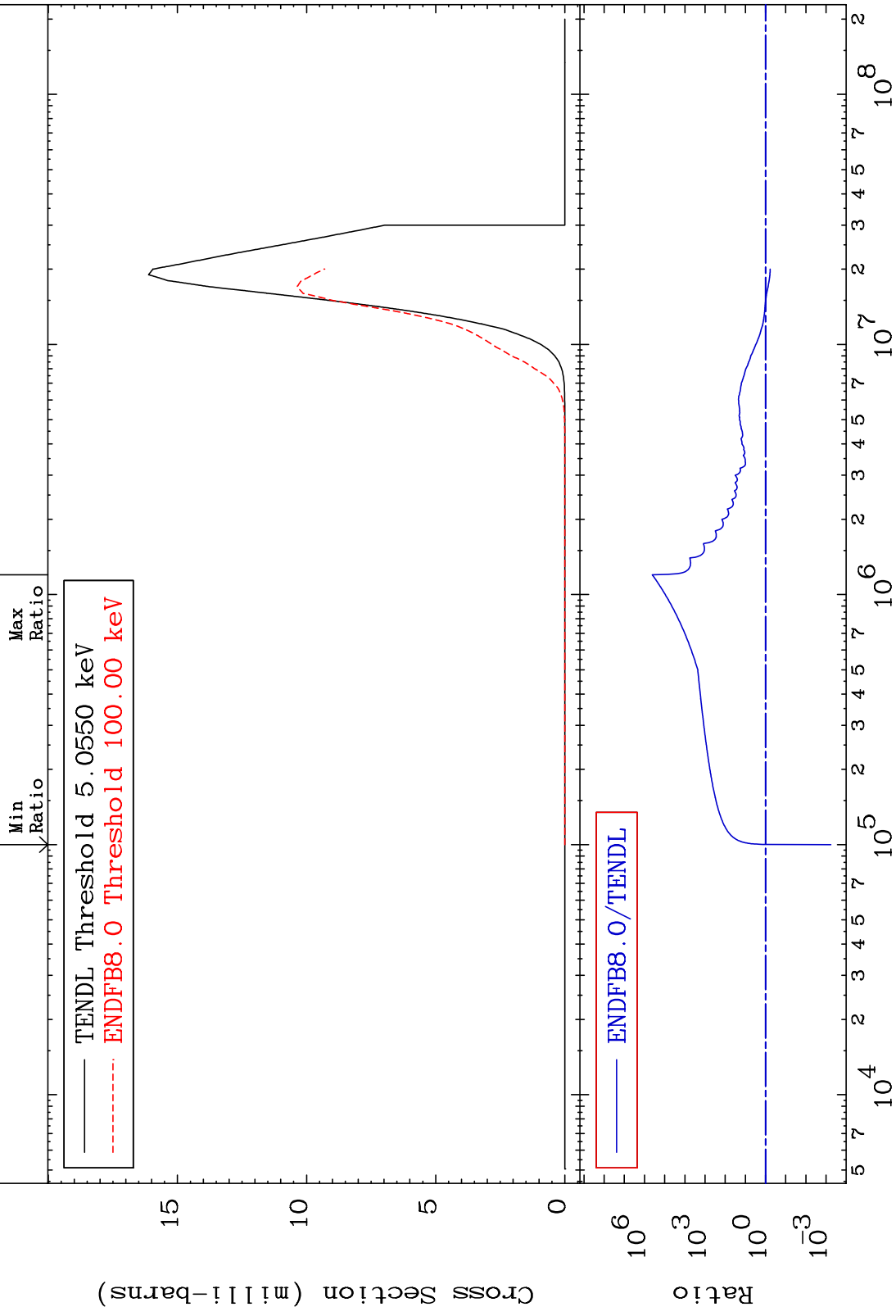
MAT 3637

(n,  $\alpha$ )

36-Kr-82

Cross Section

-99.94 To 9999. %



27

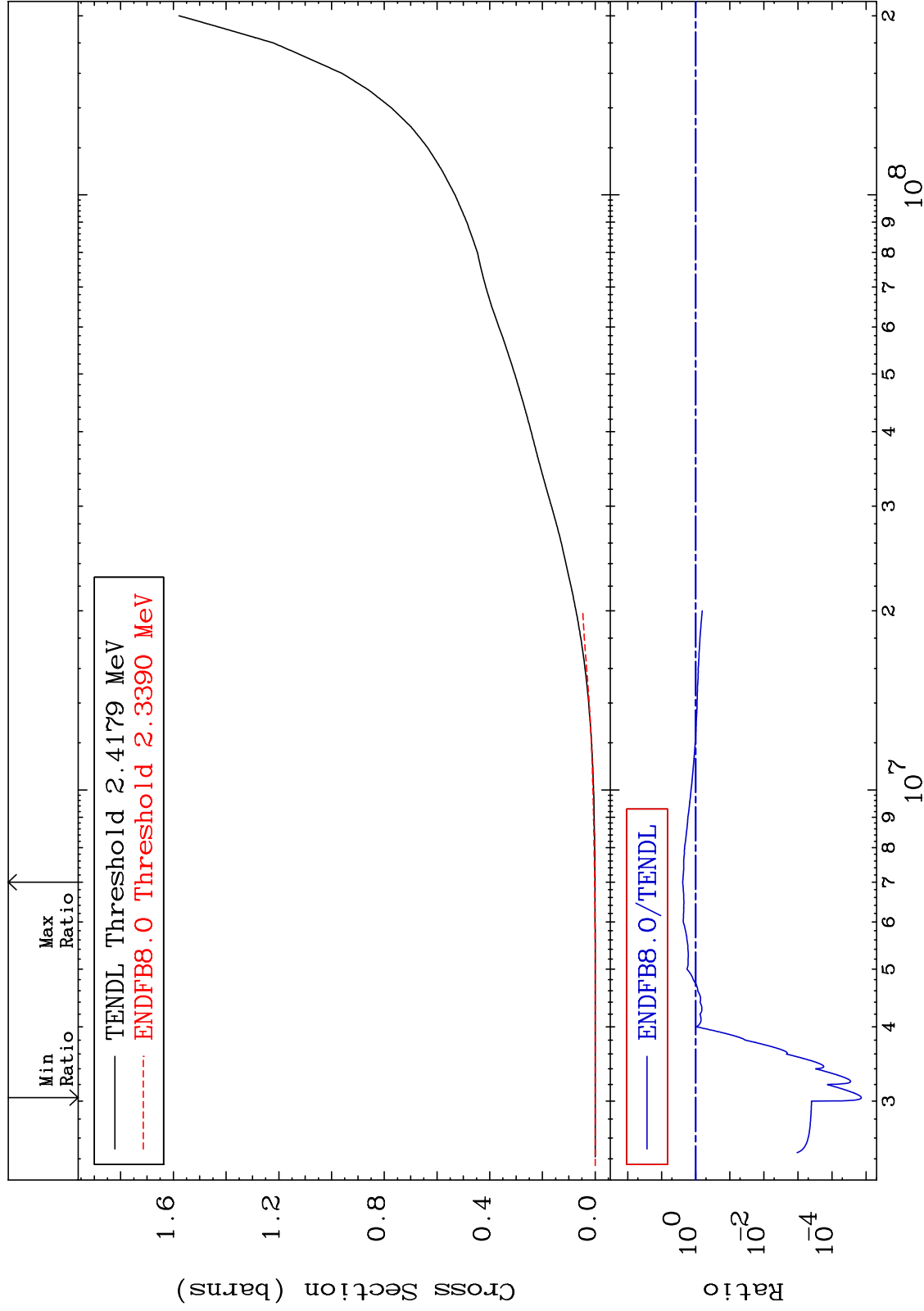
Incident Energy (eV)

36-Kr-82

MAT 3637

Hydrogen Production  
Cross Section

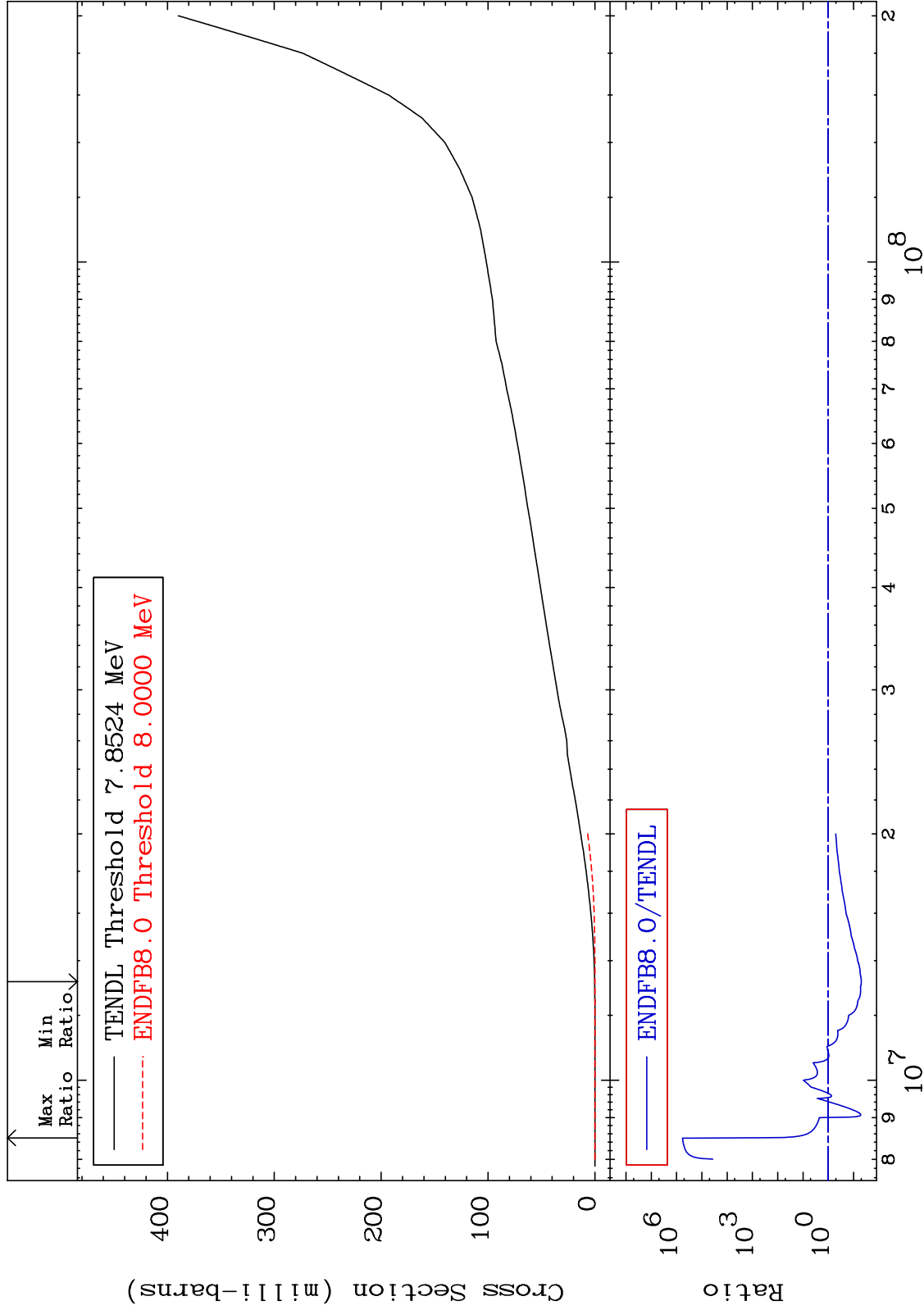
36-Kr-82  
-100.0 To 142.9 %



MAT 3637

Deuterium Production  
Cross Section

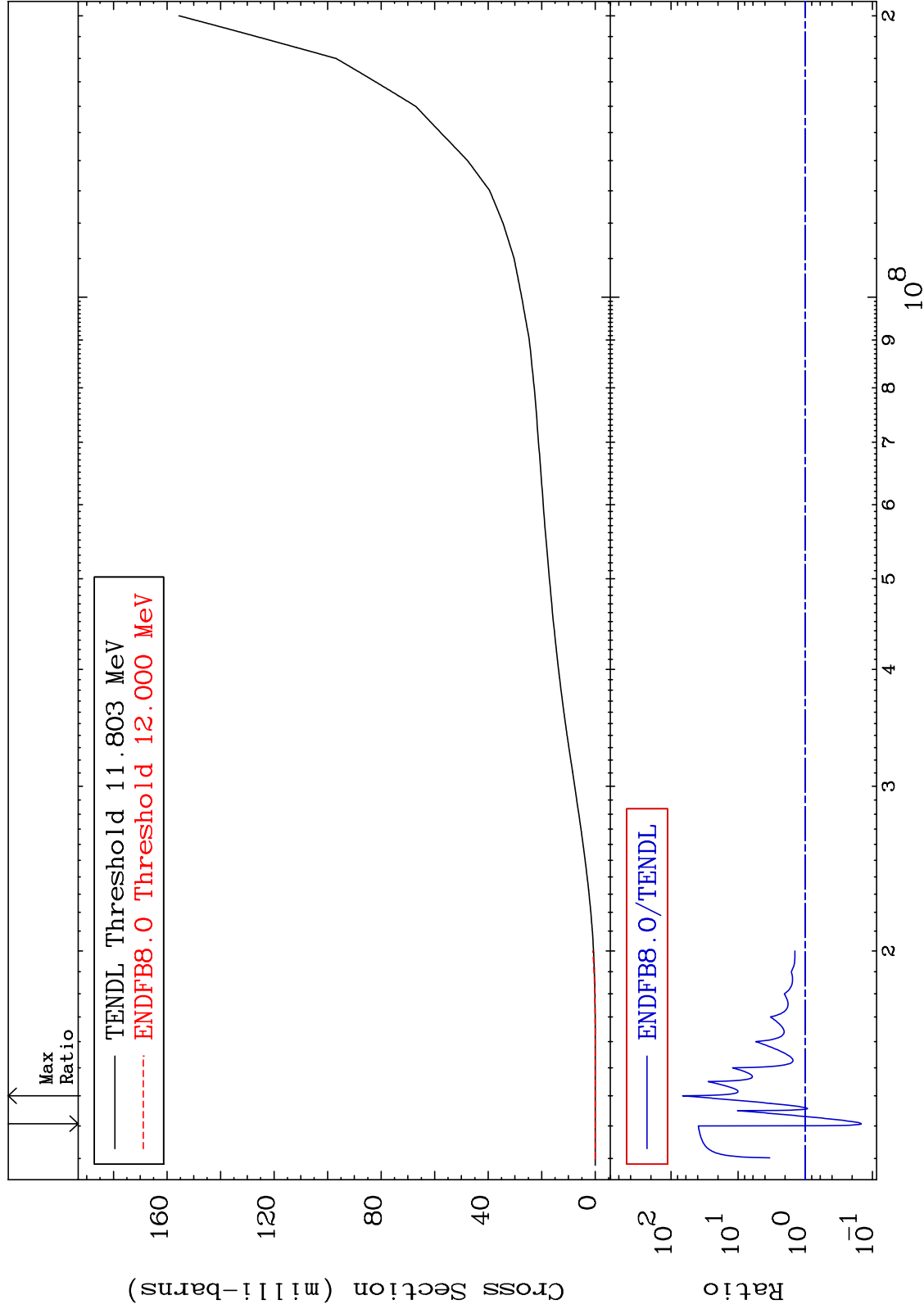
36-Kr-82  
-95.05 To 9999. %



MAT 3637

Tritium Production  
Cross Section

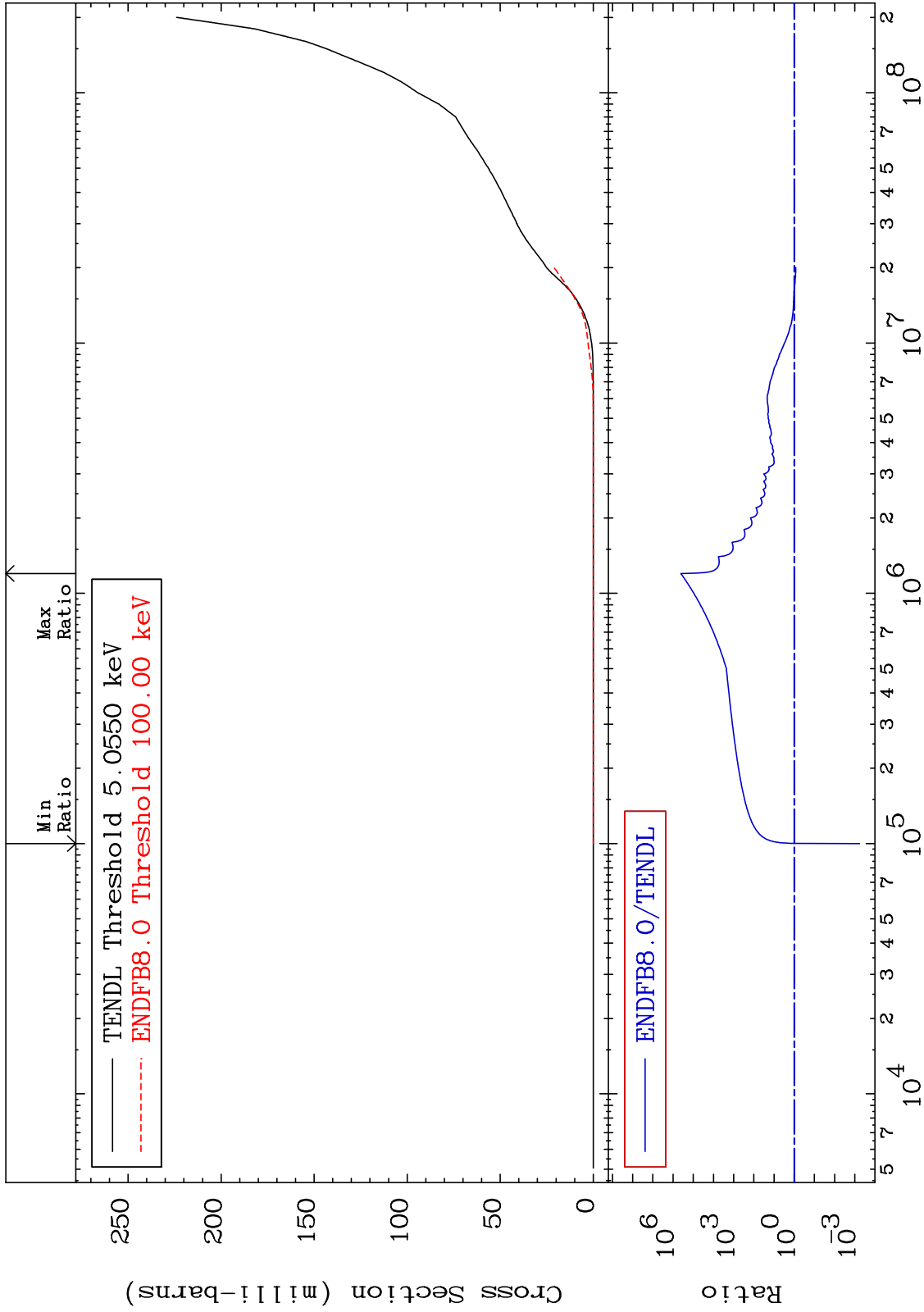
<sup>36</sup>Kr-82  
-85.41 To 6615. %



MAT 3637

He-4 Production  
Cross Section

36-Kr-82  
-99.94 To 9999. %



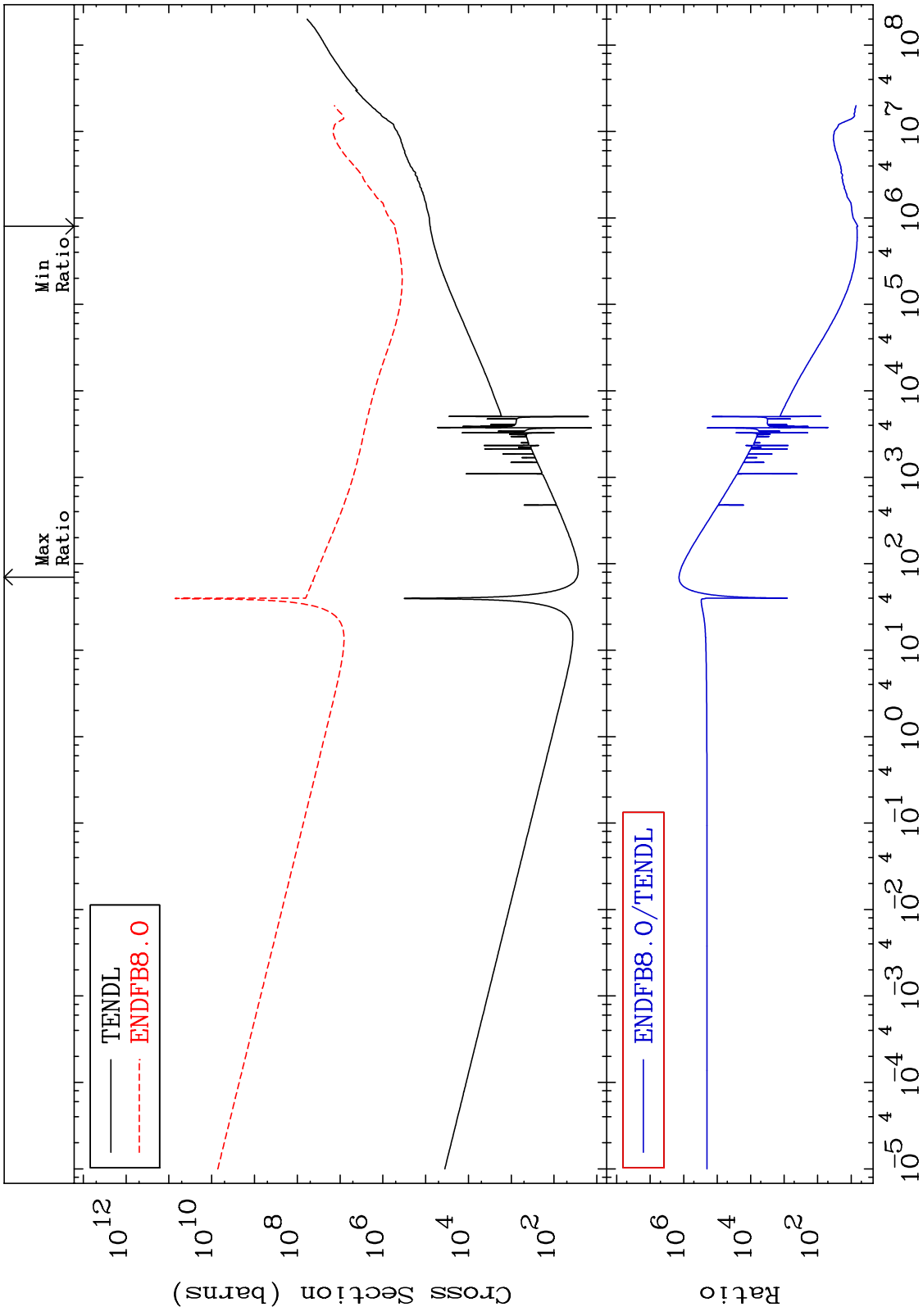
31

Incident Energy (eV)

36-Kr-82



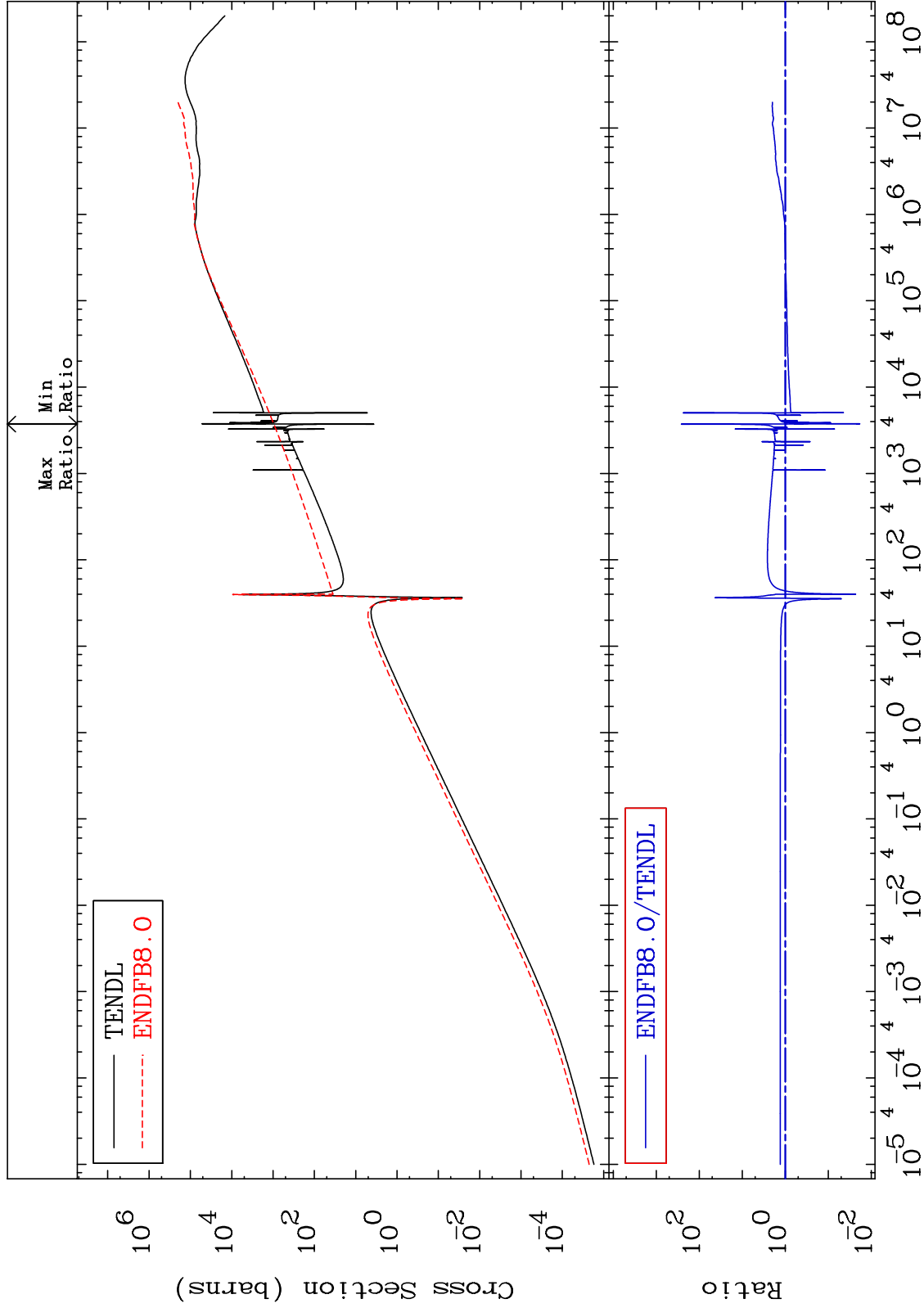
MAT 3637 Kerma total (eV-barns) Cross Section 36-Kr-82 531.5 To 9999. %



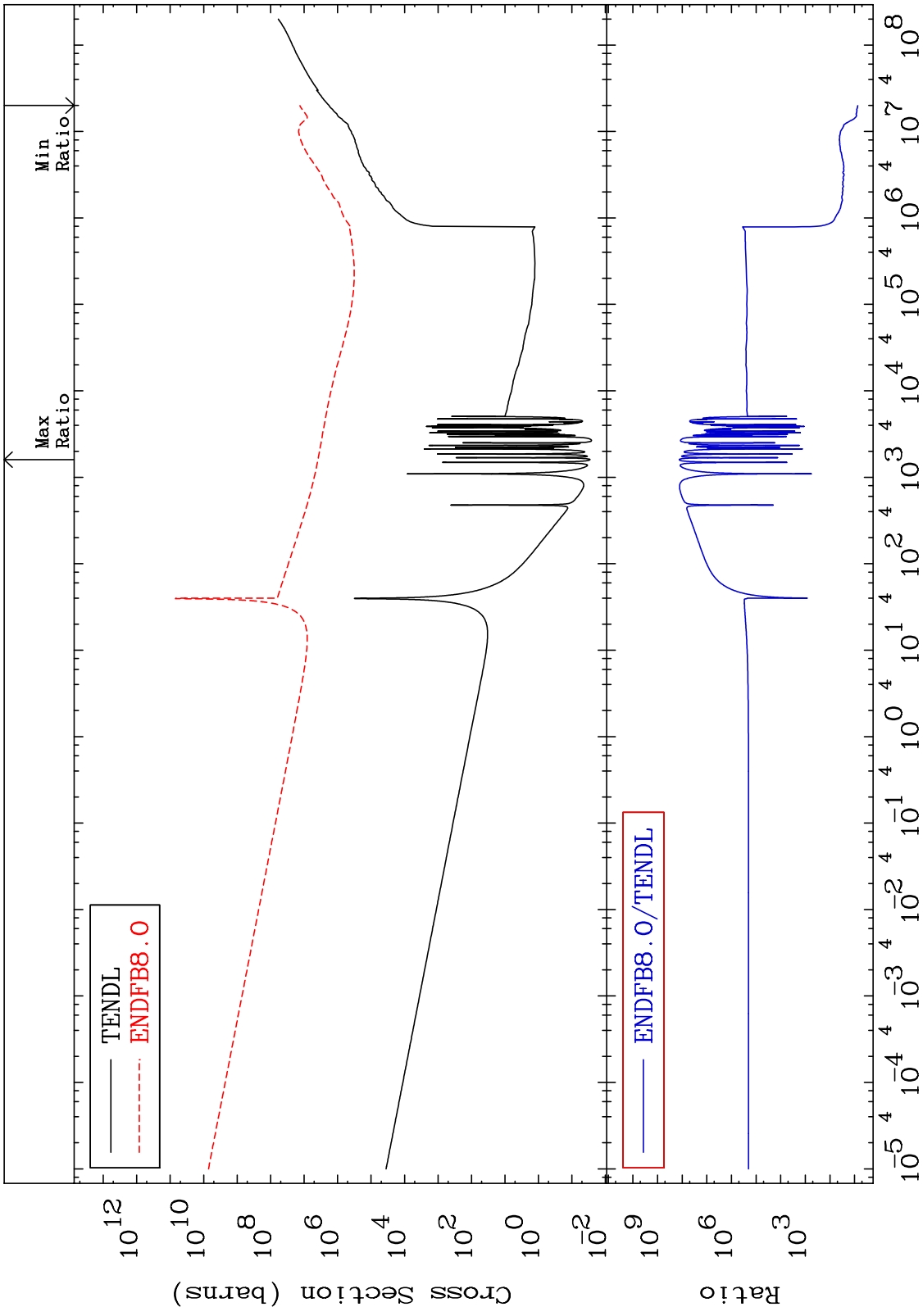
MAT 3637

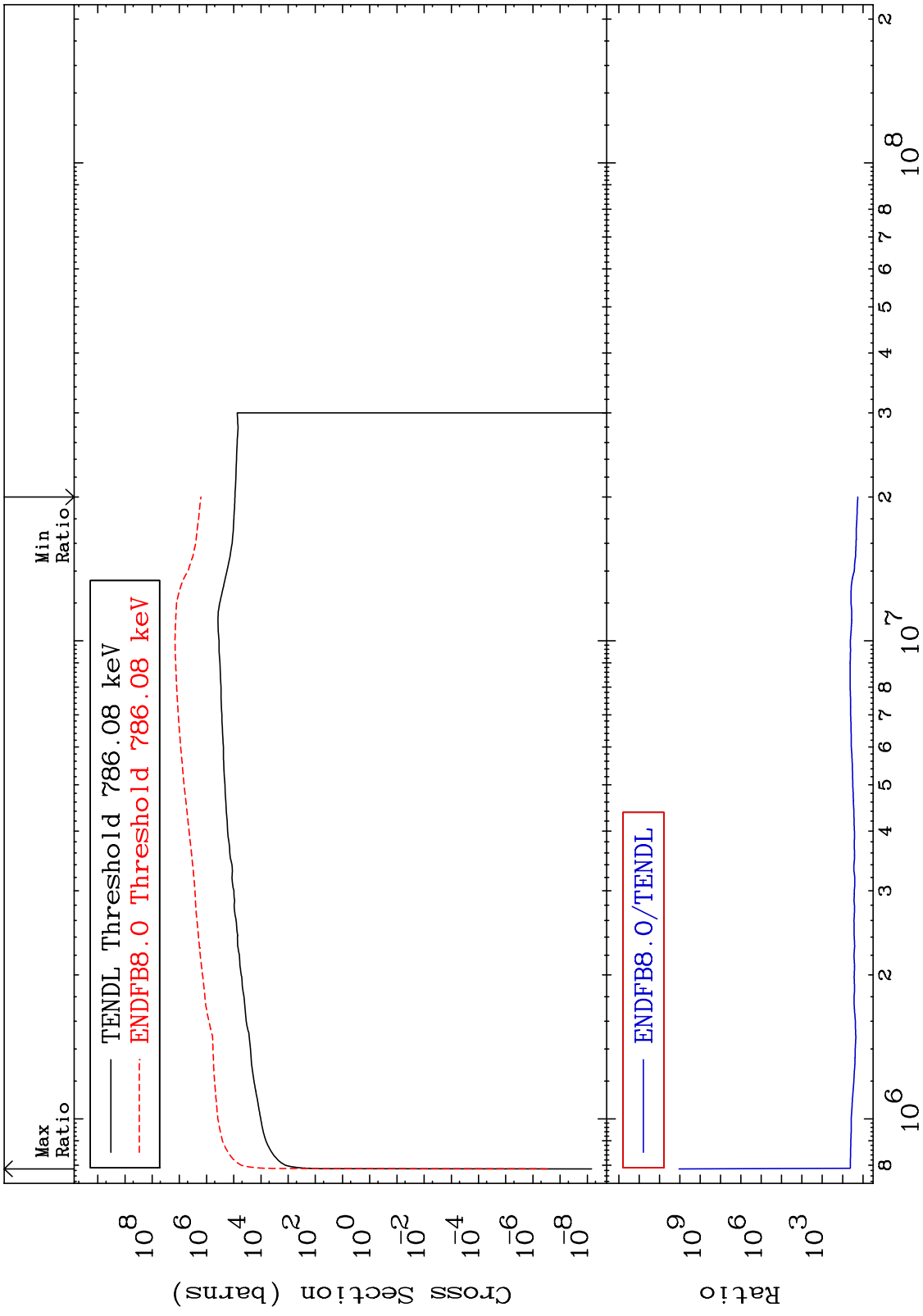
Kerma elastic  
Cross Section

36-Kr-82  
-98.15 To 9999. %



MAT 3637 Kerma non-elastic (all but mt2) Cross Section 36-Kr-82  
 637.9 To 9999. %

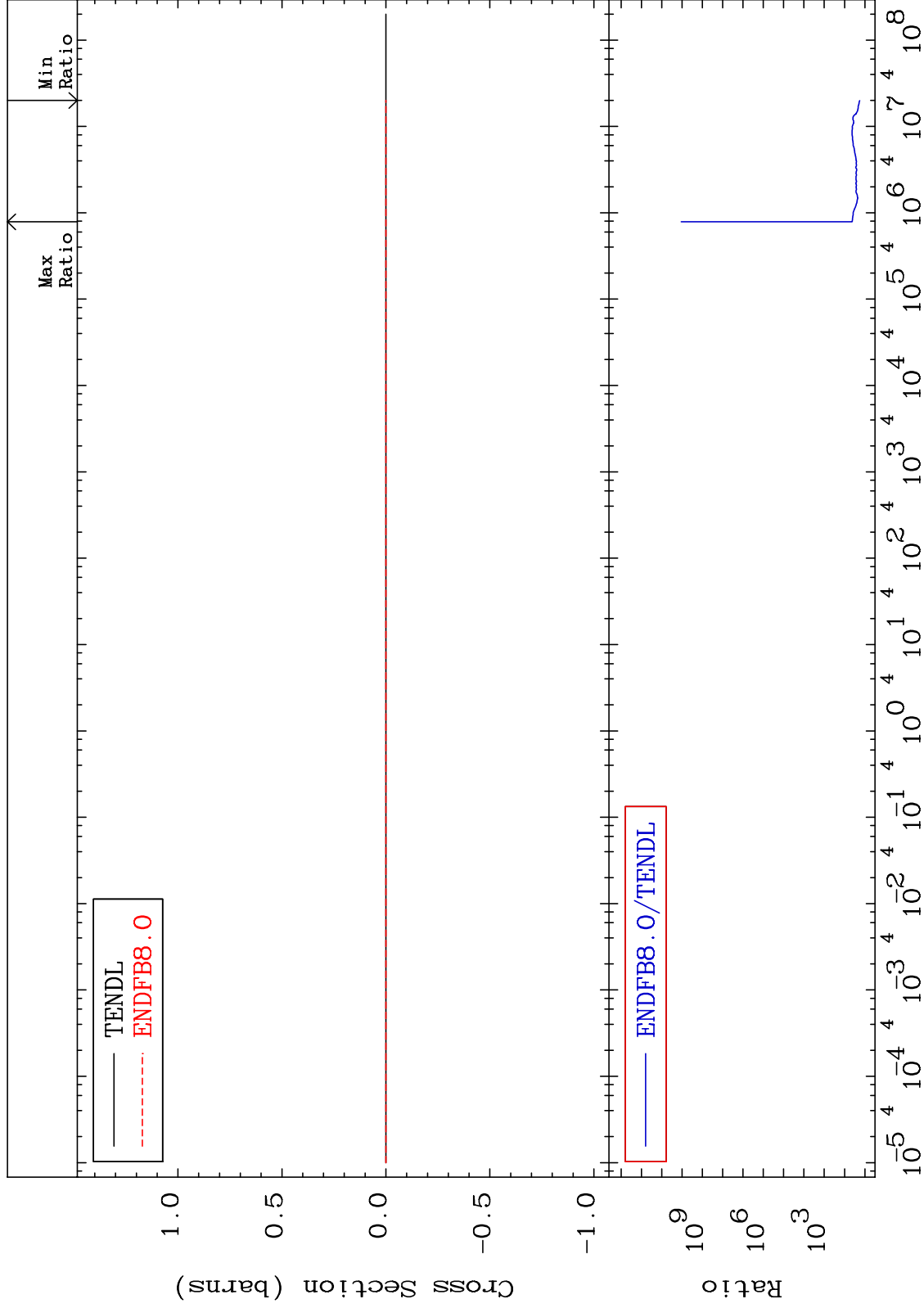




MAT 3637

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

36-Kr-82  
1684. To 9999. %



36

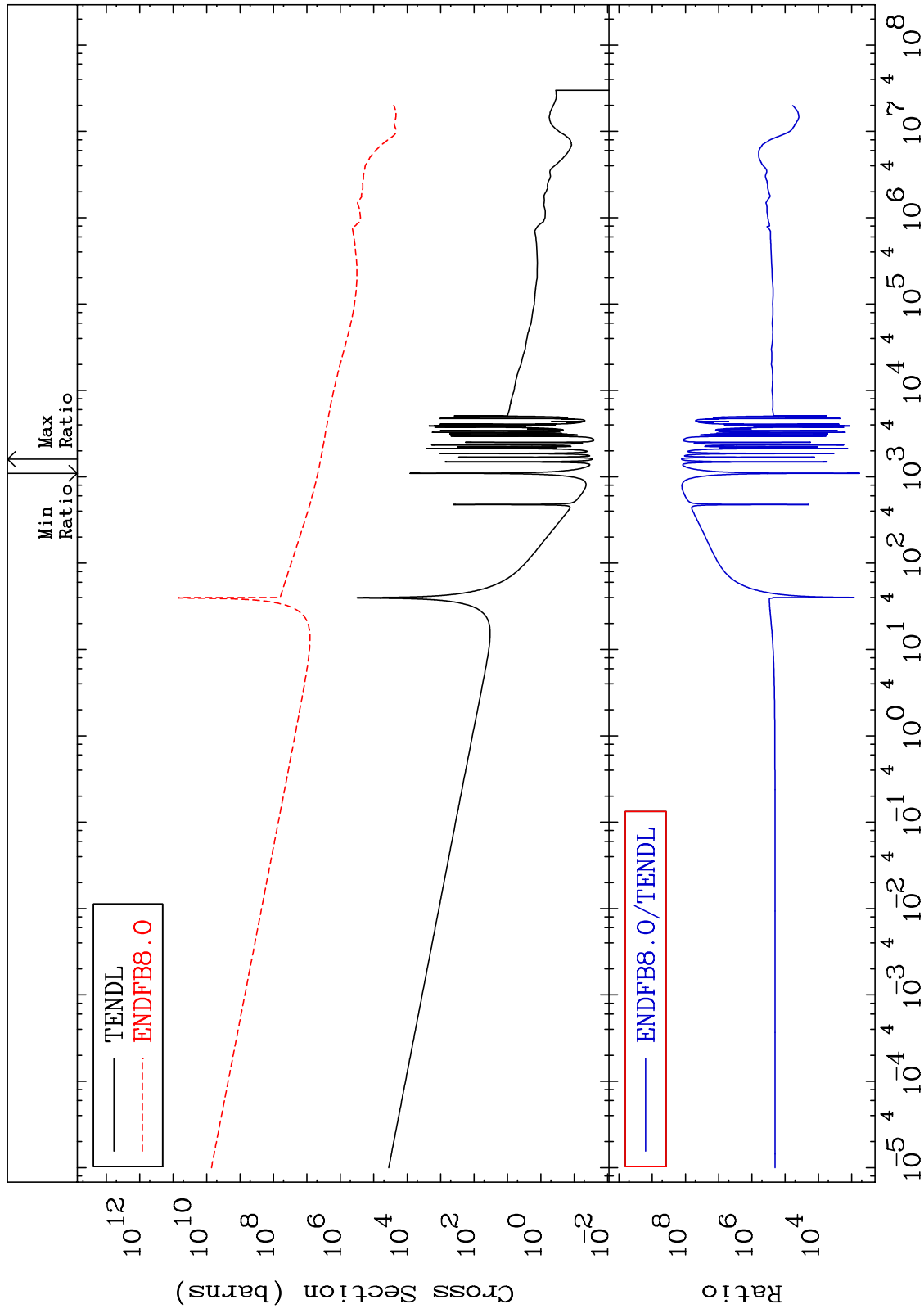
Incident Energy (eV)

36-Kr-82

MAT 3637

Kerma capture (mt102)  
Cross Section

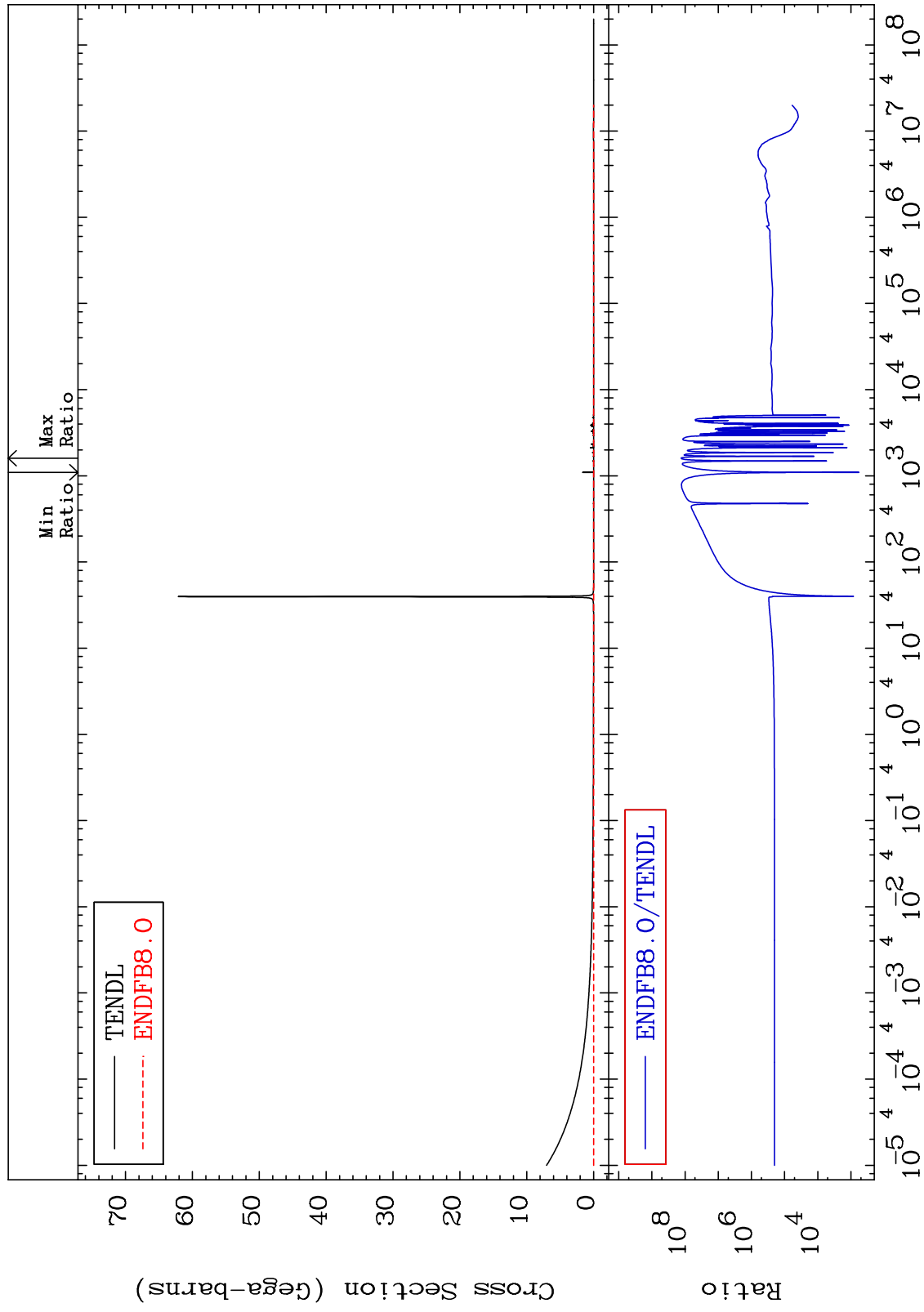
36-Kr-82  
9999. To 9999. %



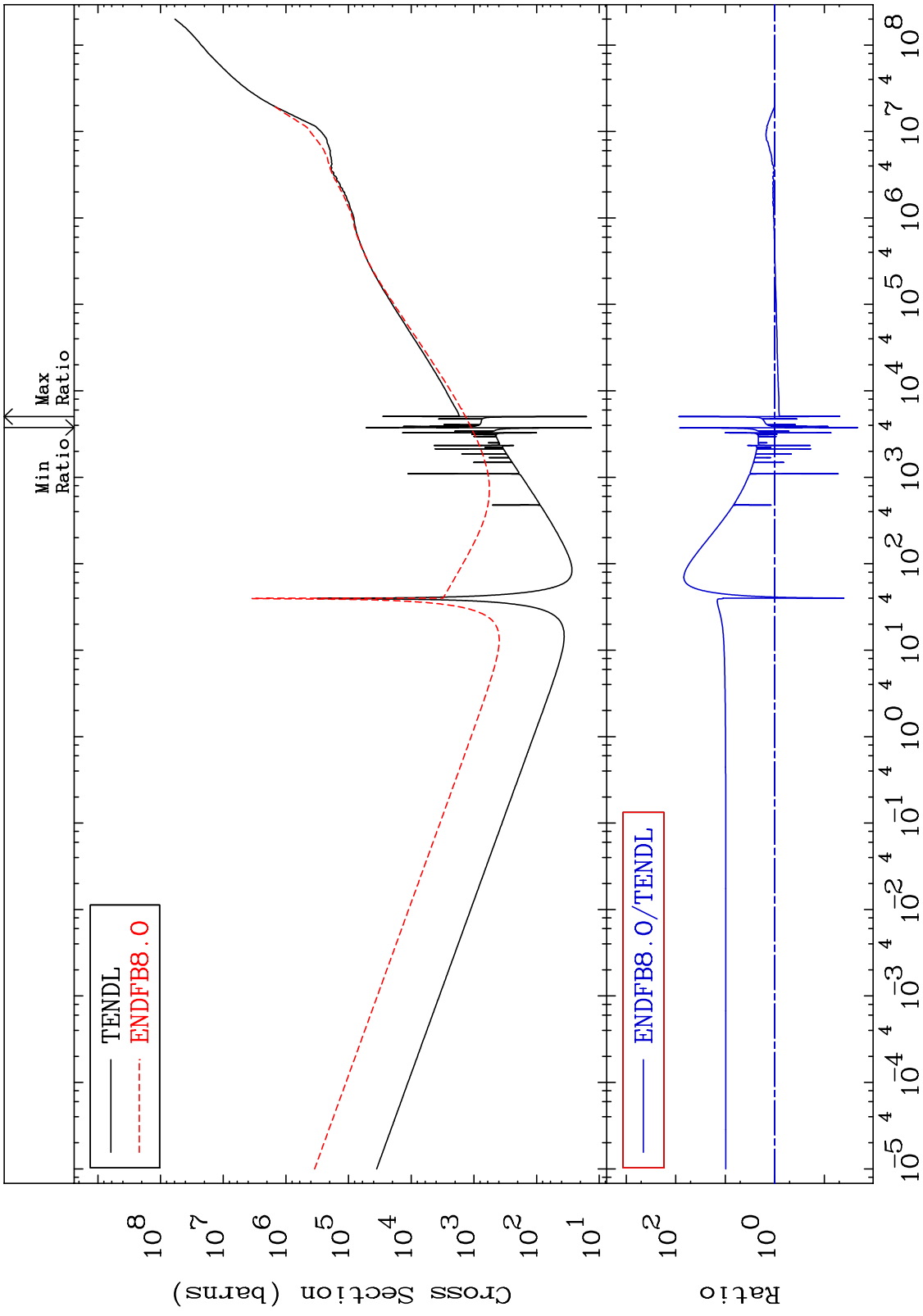
MAT 3637

Total photon (eV-barns)  
Cross Section

36-Kr-82  
9999. To 9999. %



MAT 3637      Total kinematic kerma (high limit)      36-Kr-82  
 Cross Section      -97.90 To 8468. %

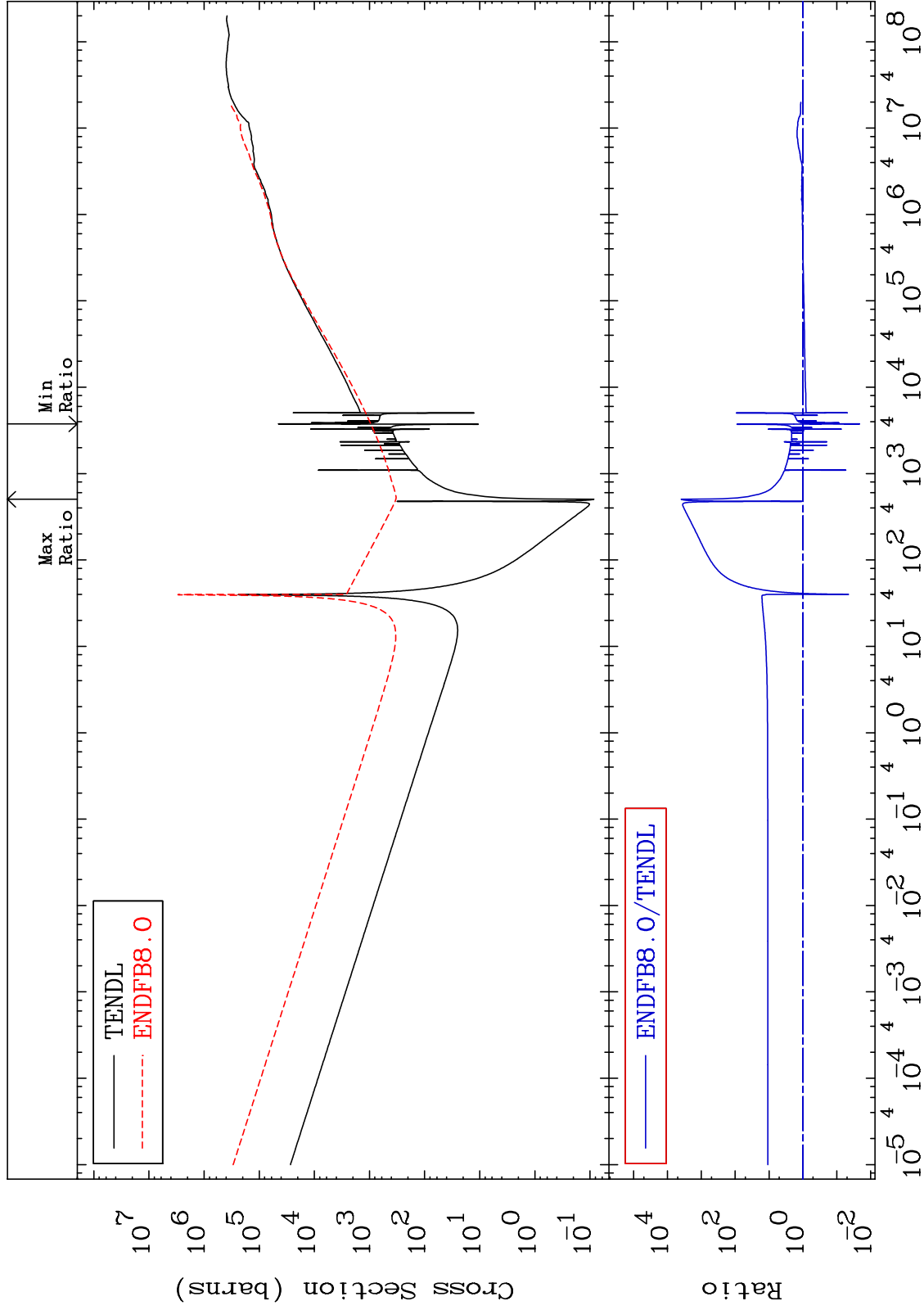




MAT 3637

Dpa total (eV-barns)  
Cross Section

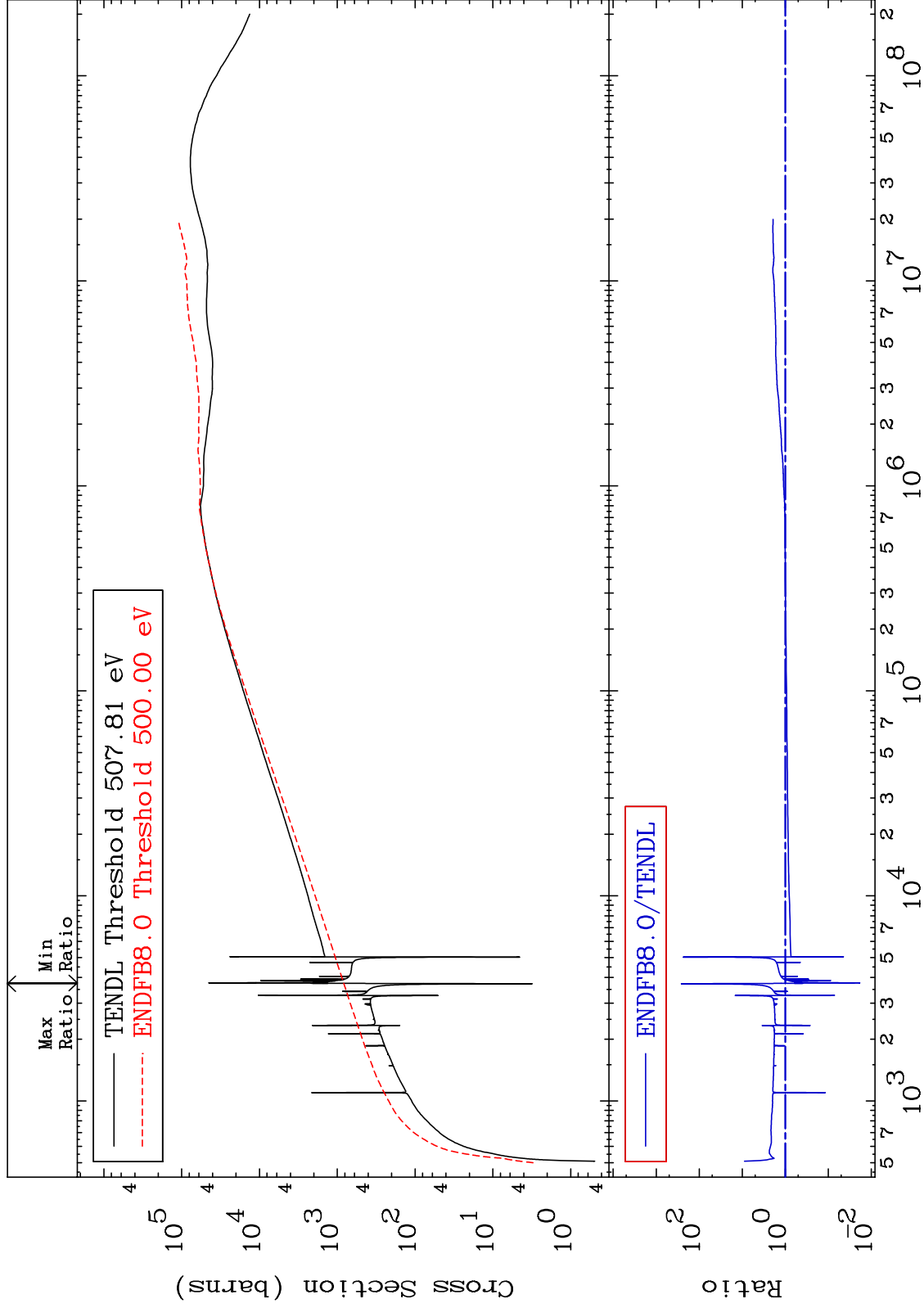
36-Kr-82  
-97.90 To 9999. %



MAT 3637

Dpa elastic (mt2)  
Cross Section

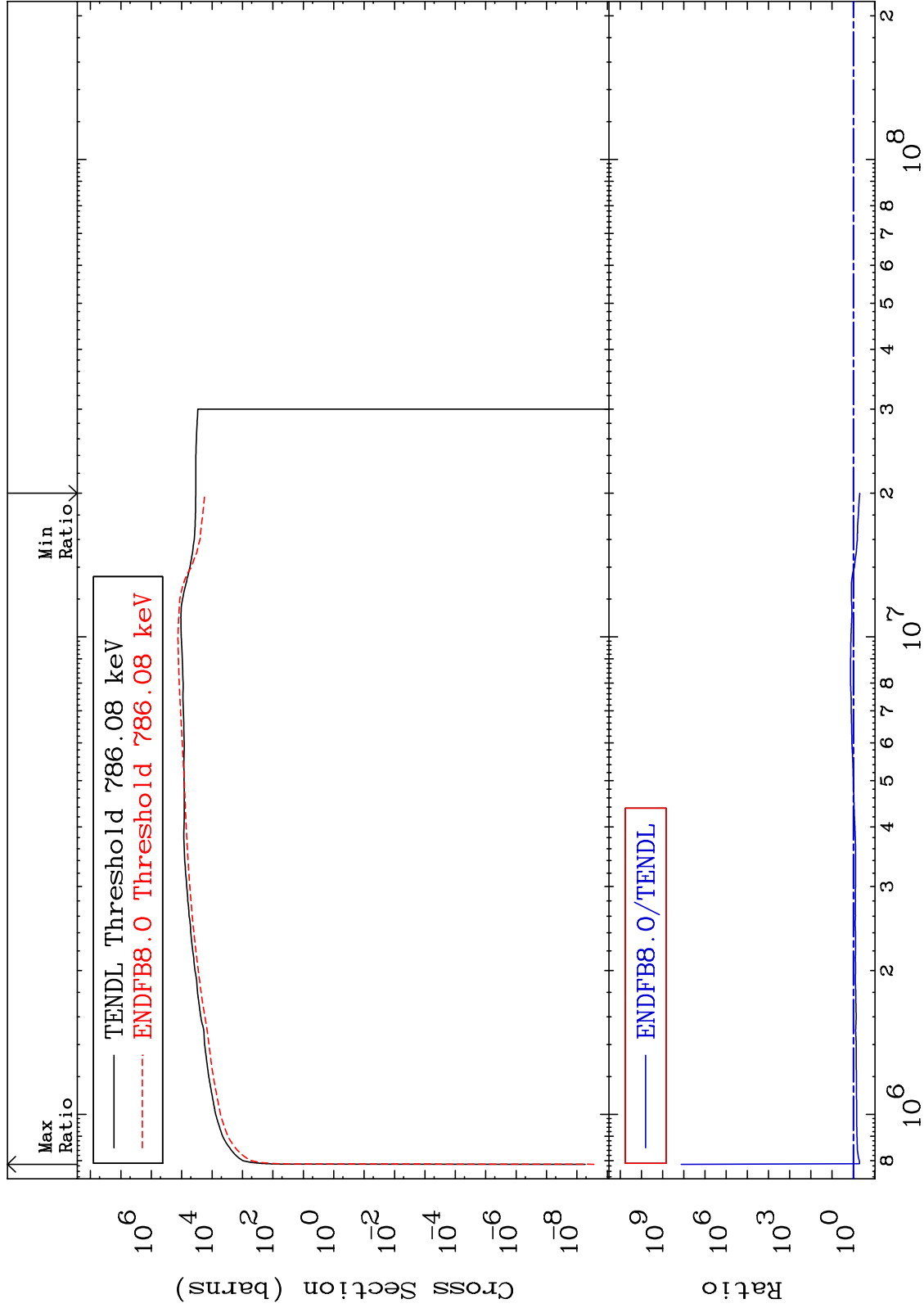
36-Kr-82  
-98.15 To 9999. %



MAT 3637

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-82  
-50.54 To 9999. %



42

36-Kr-82

36-Kr-82

MAT 3637

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-82  
-96.82 To 9999. %

