

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

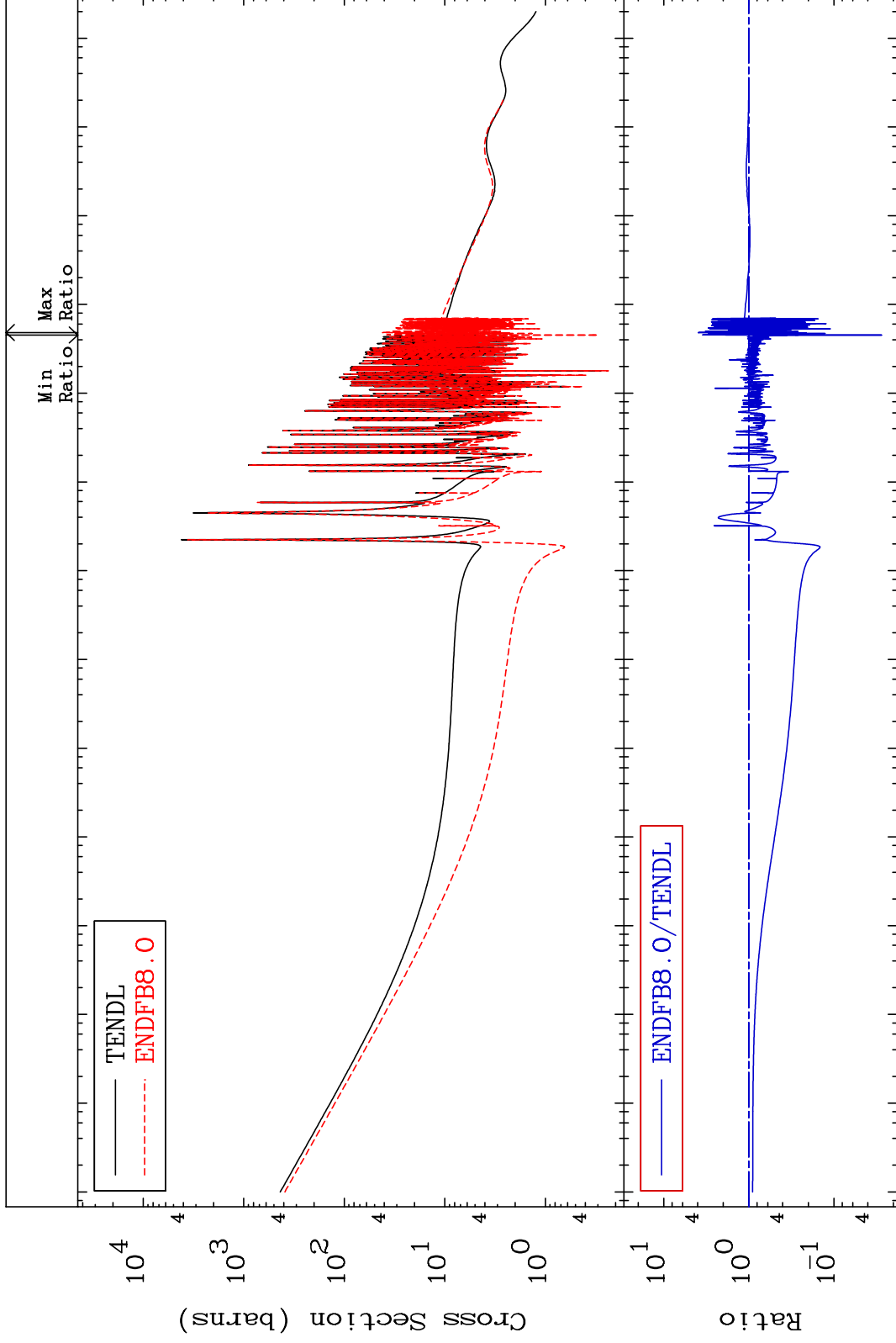
MAT 3034

Total

30-Zn-67

Cross Section

-97.24 To 294.0 %



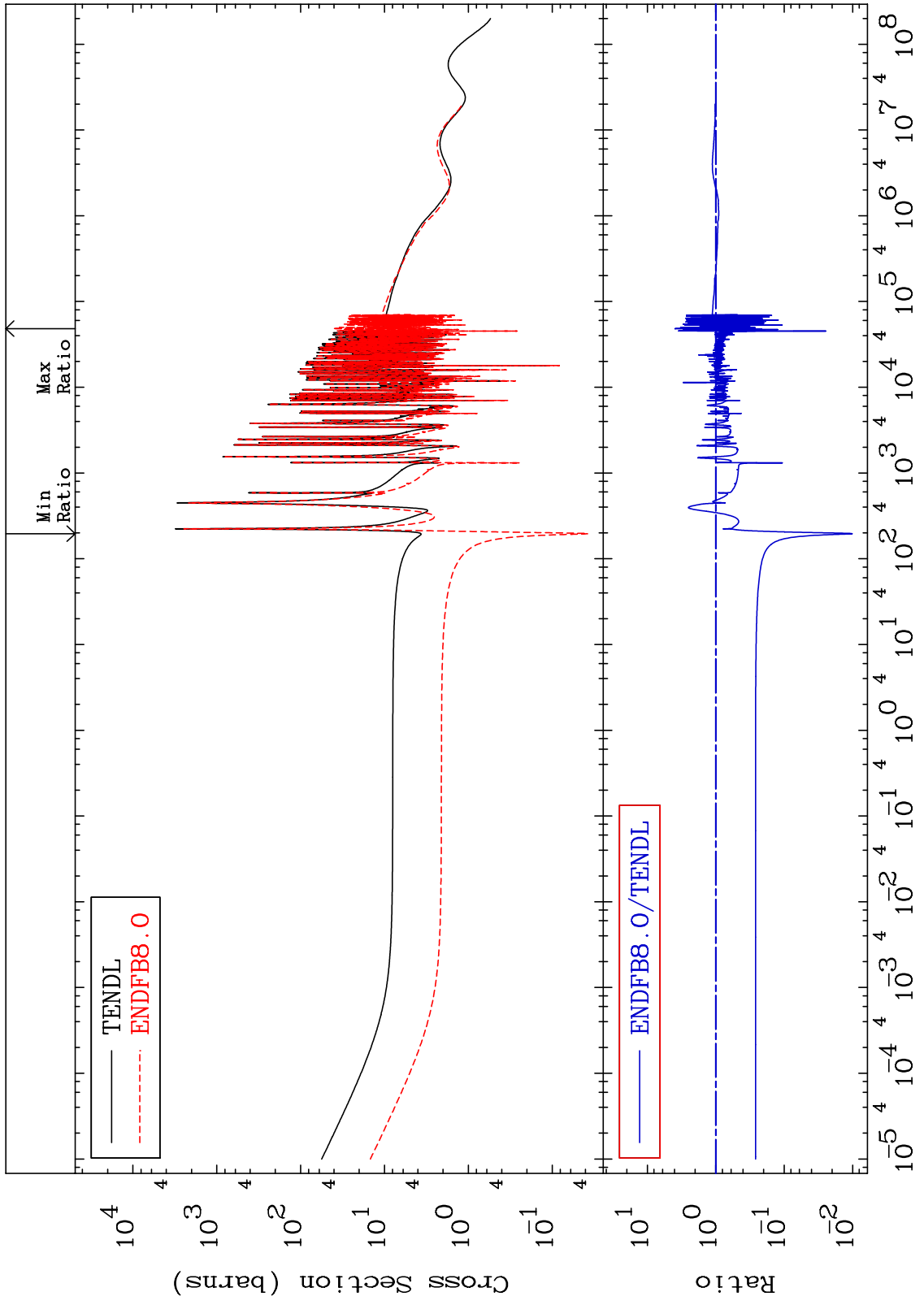
Incident Energy (eV)

30-Zn-67

MAT 3034

Elastic  
Cross Section

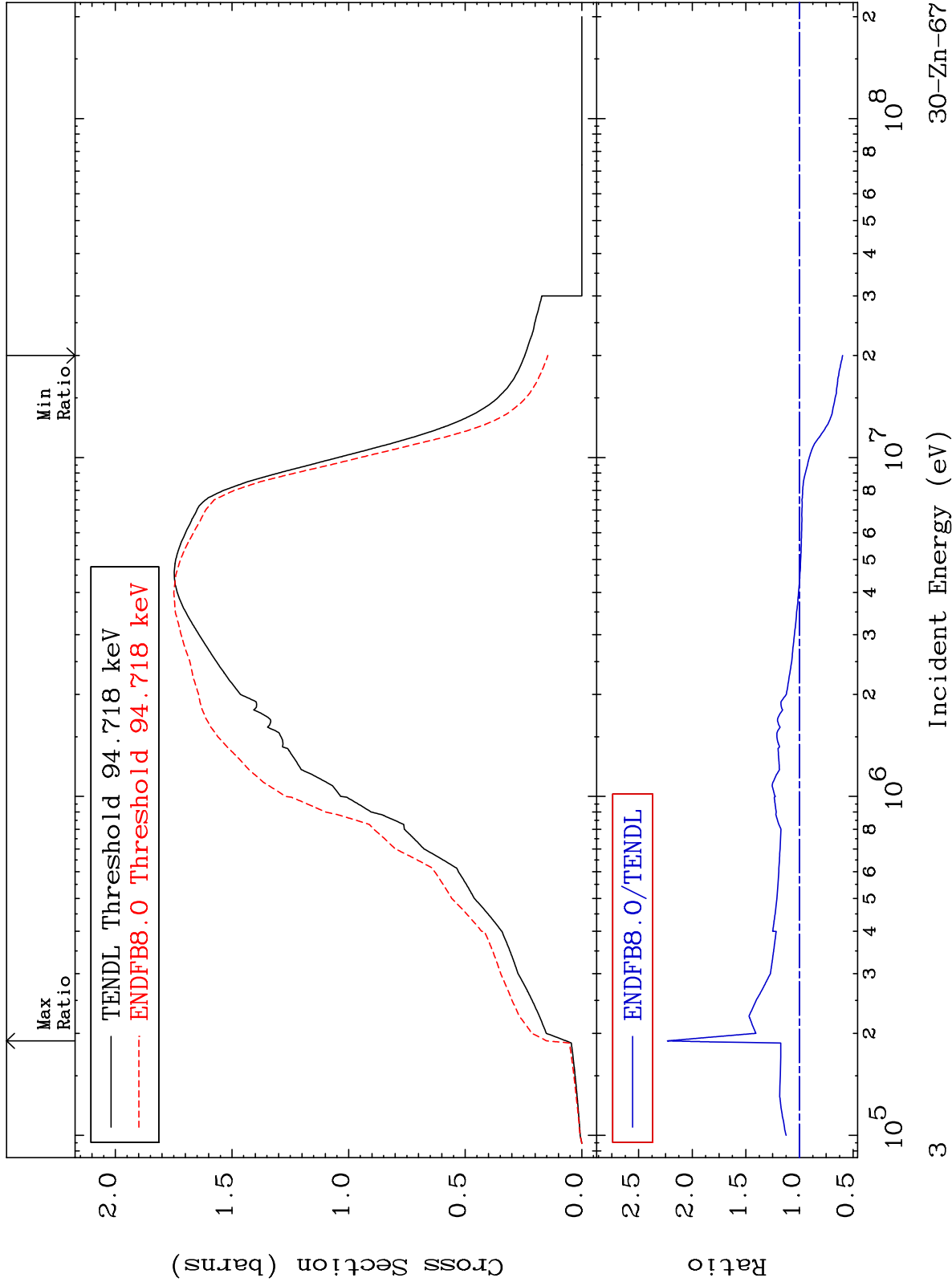
30-Zn-67  
-98.99 To 294.7 %



MAT 3034

Inelastic  
Cross Section

30-Zn-67  
-40.33 To 123.1 %



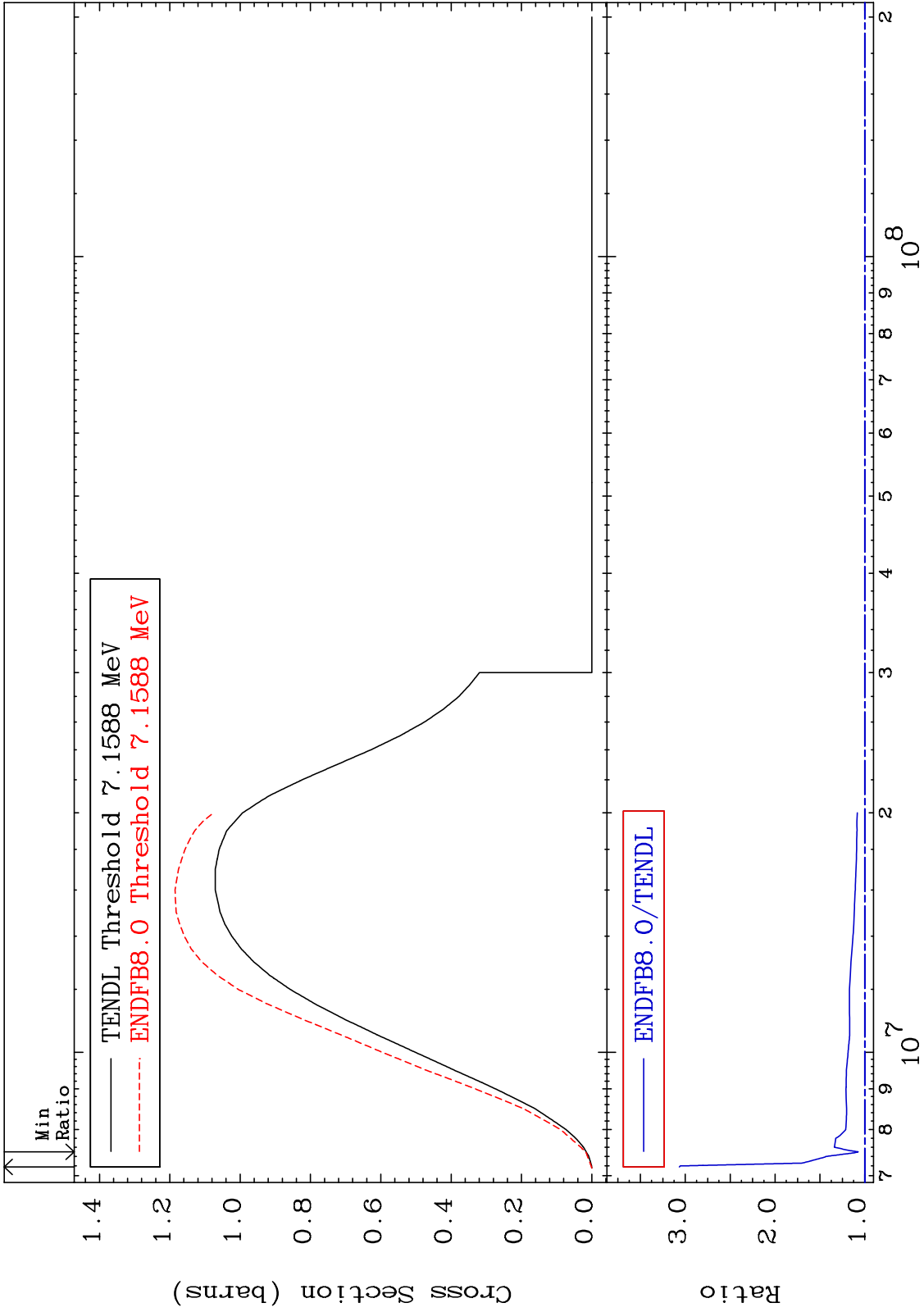
MAT 3034

(n,2n)

30-Zn-67

Cross Section

7.368 To 206.6 %



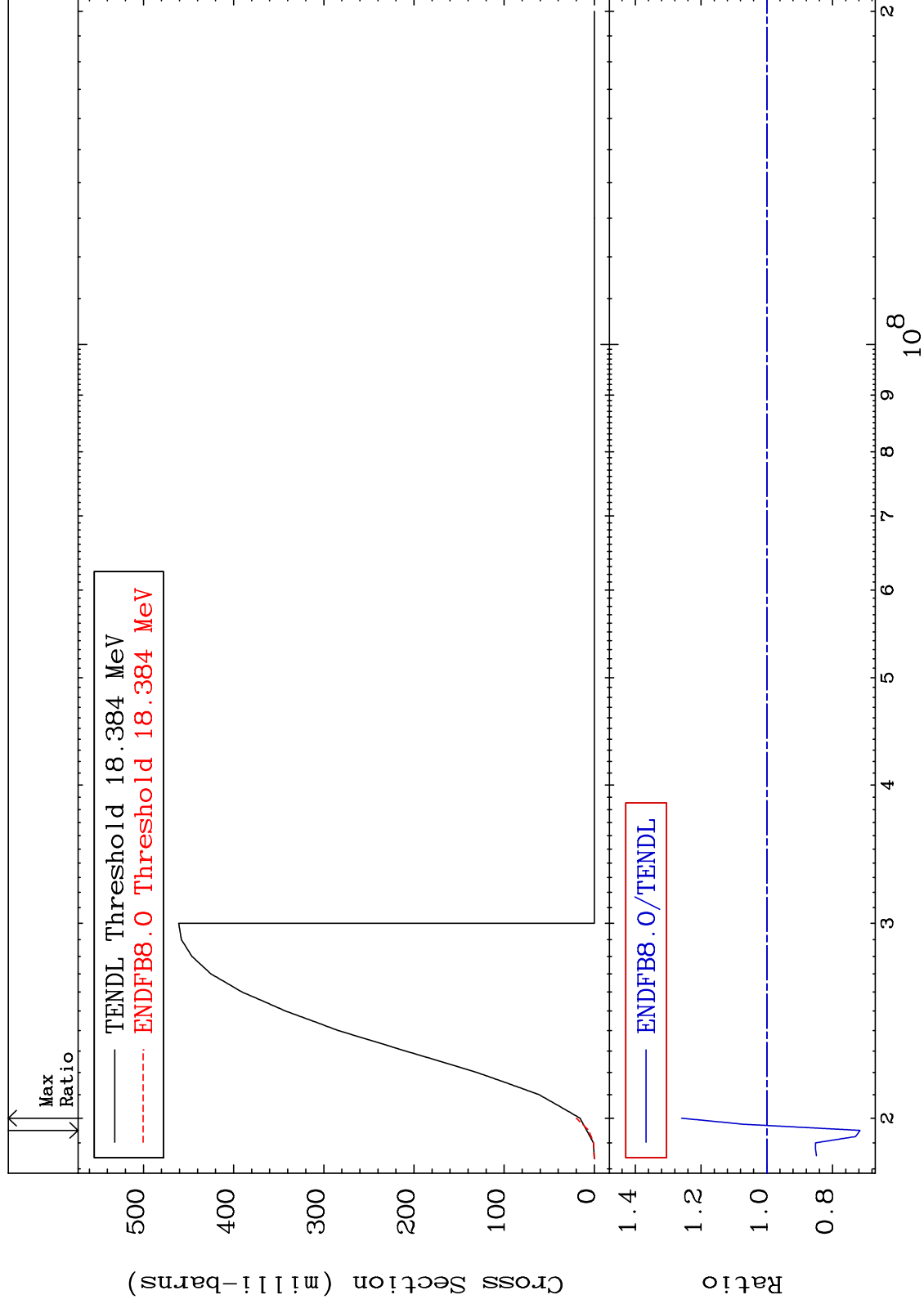
MAT 3034

(n,3n)

30-Zn-67

Cross Section

-28.35 To 25.89 %



5

Incident Energy (eV)

30-Zn-67

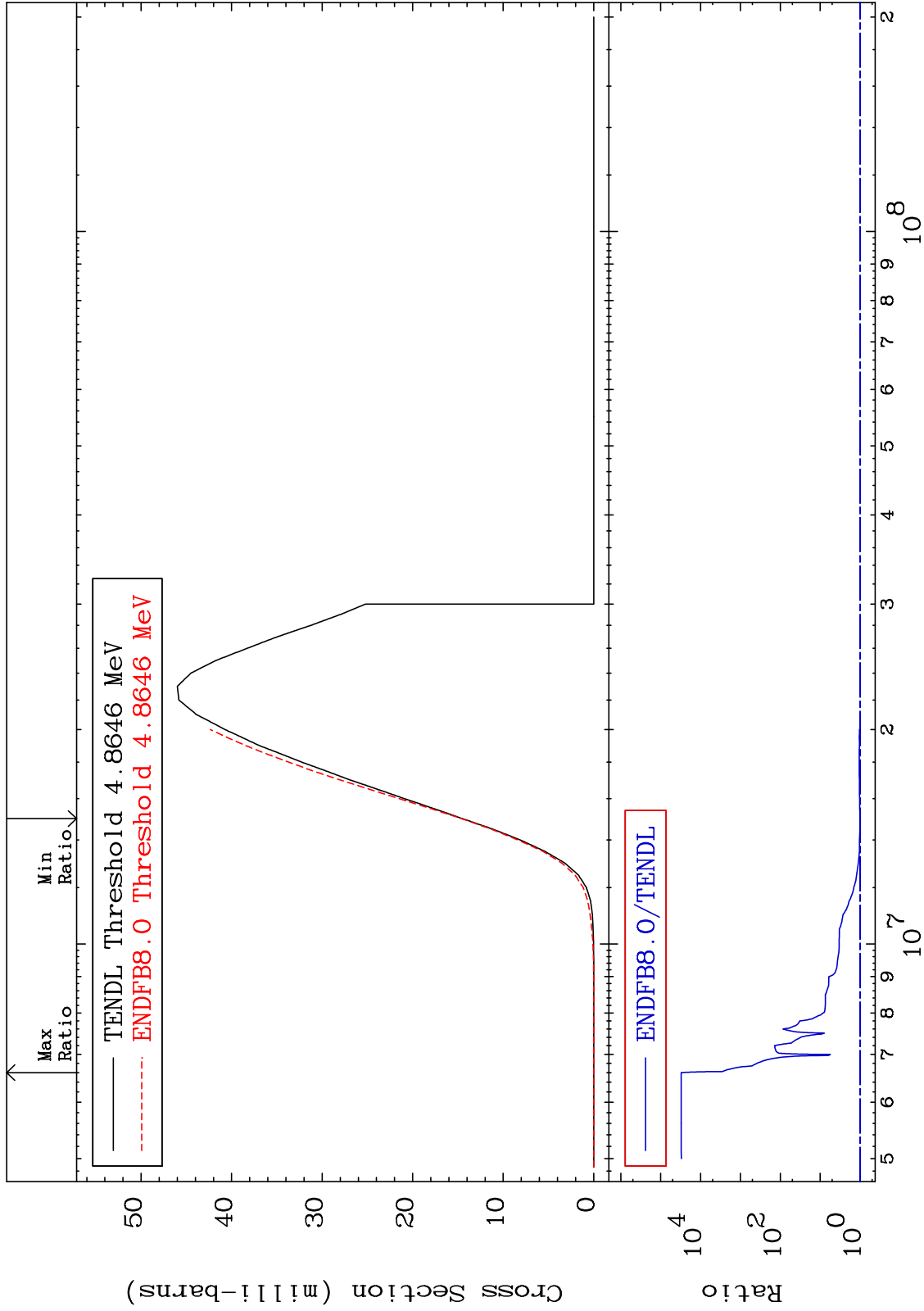
MAT 3034

(n, n')  $\alpha$

30-Zn-67

Cross Section

0.696 To 9999. %



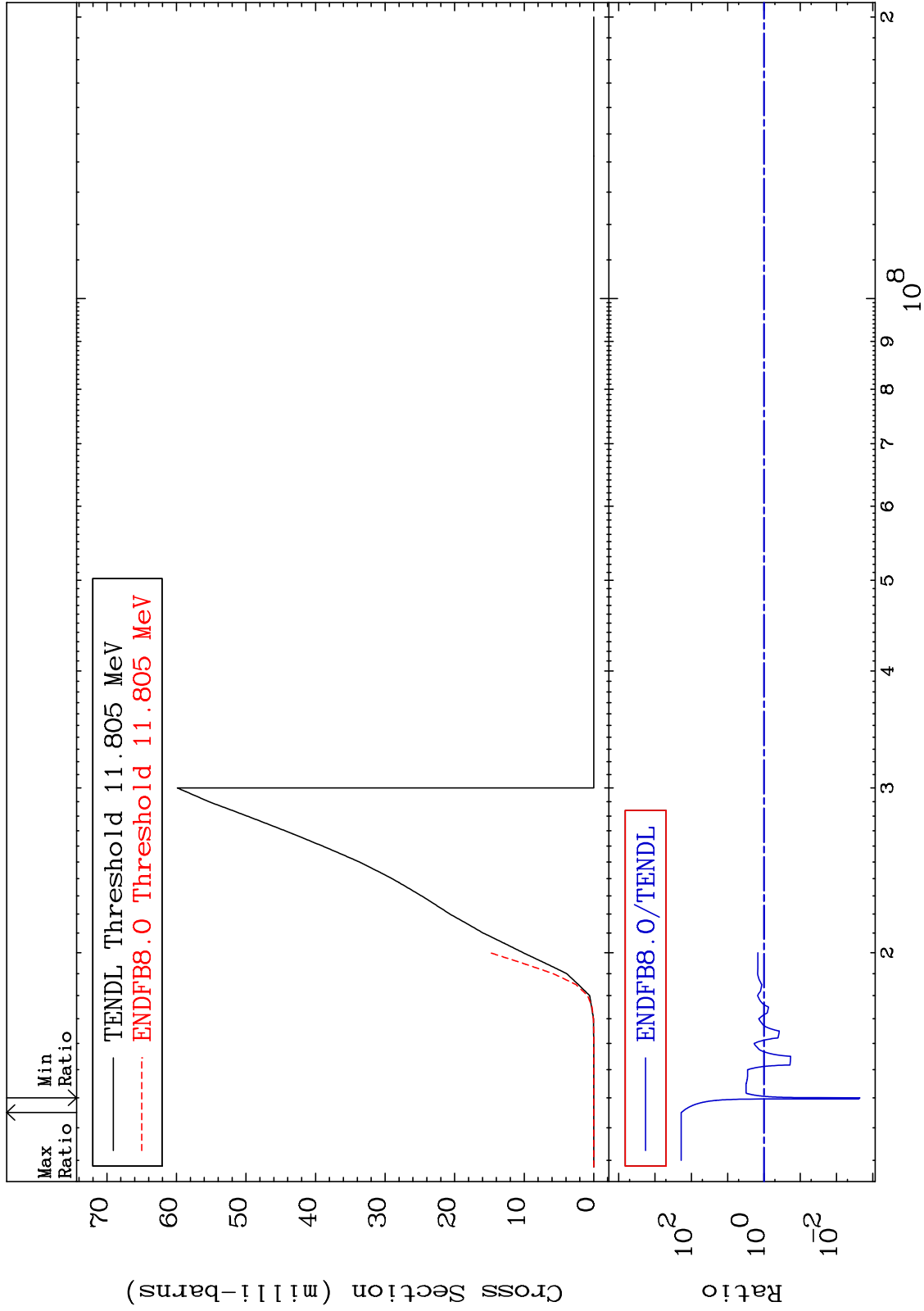
MAT 3034

(n,2n)  $\alpha$

30-Zn-67

Cross Section

-99.77 To 9999. %

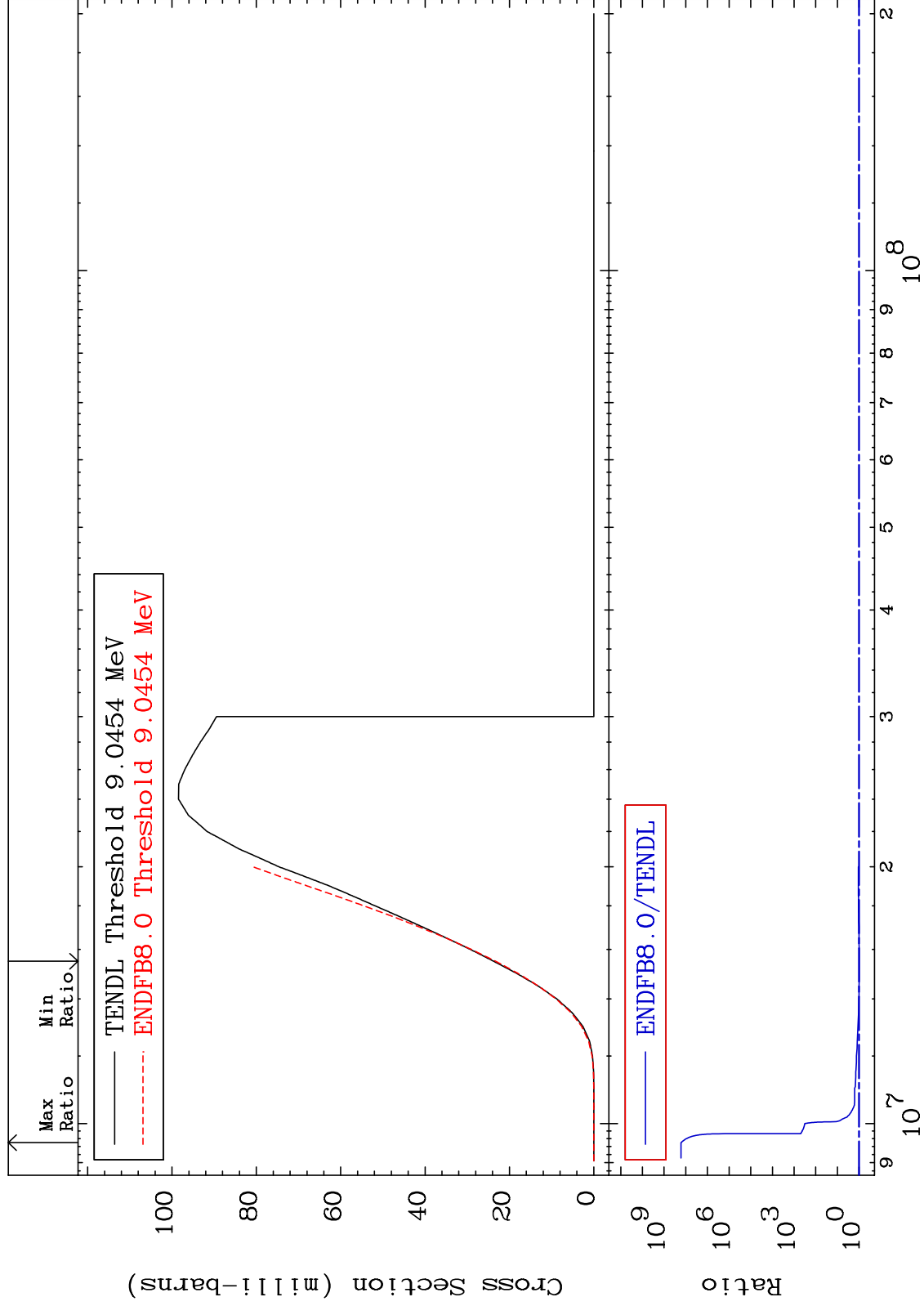




MAT 3034

(n,n') p  
Cross Section

30-Zn-67  
-2.063 To 9999. %



30-Zn-67

Incident Energy (eV)

8

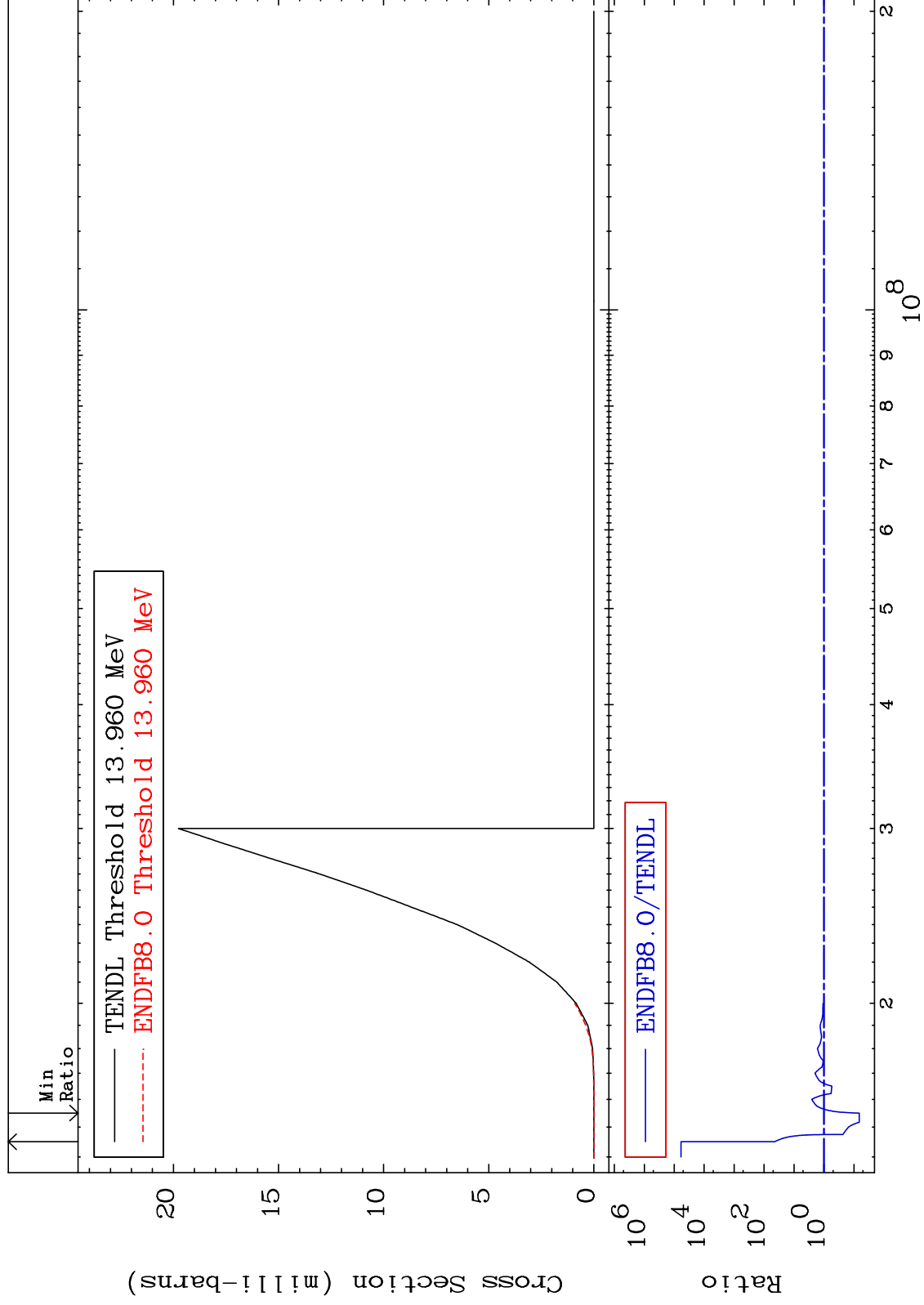
MAT 3034

(n, n') d

30-Zn-67

Cross Section

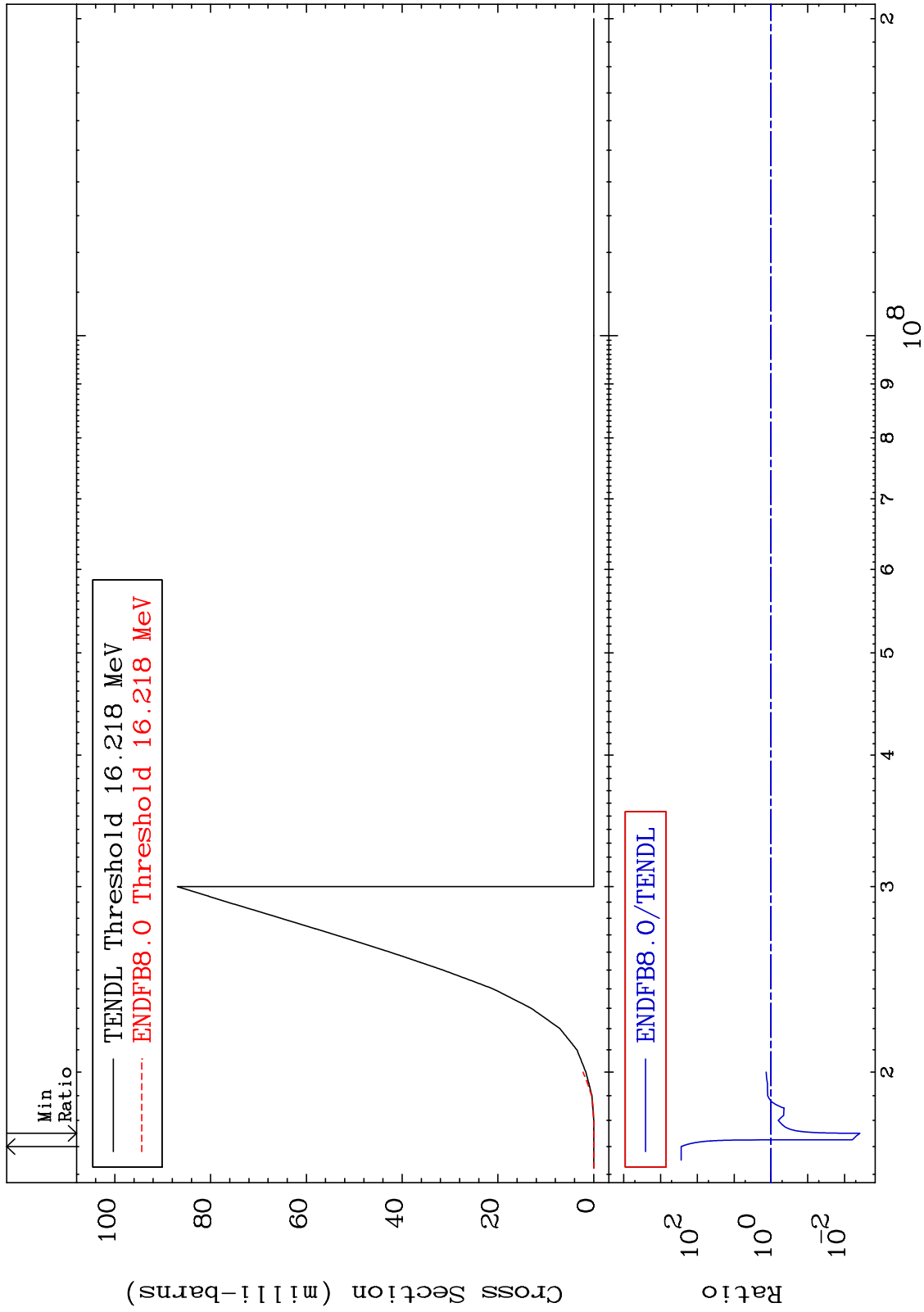
-93.38 To 9999. %



MAT 3034

(n,2n) p  
Cross Section

30-Zn-67  
-99.62 To 9999. %



10

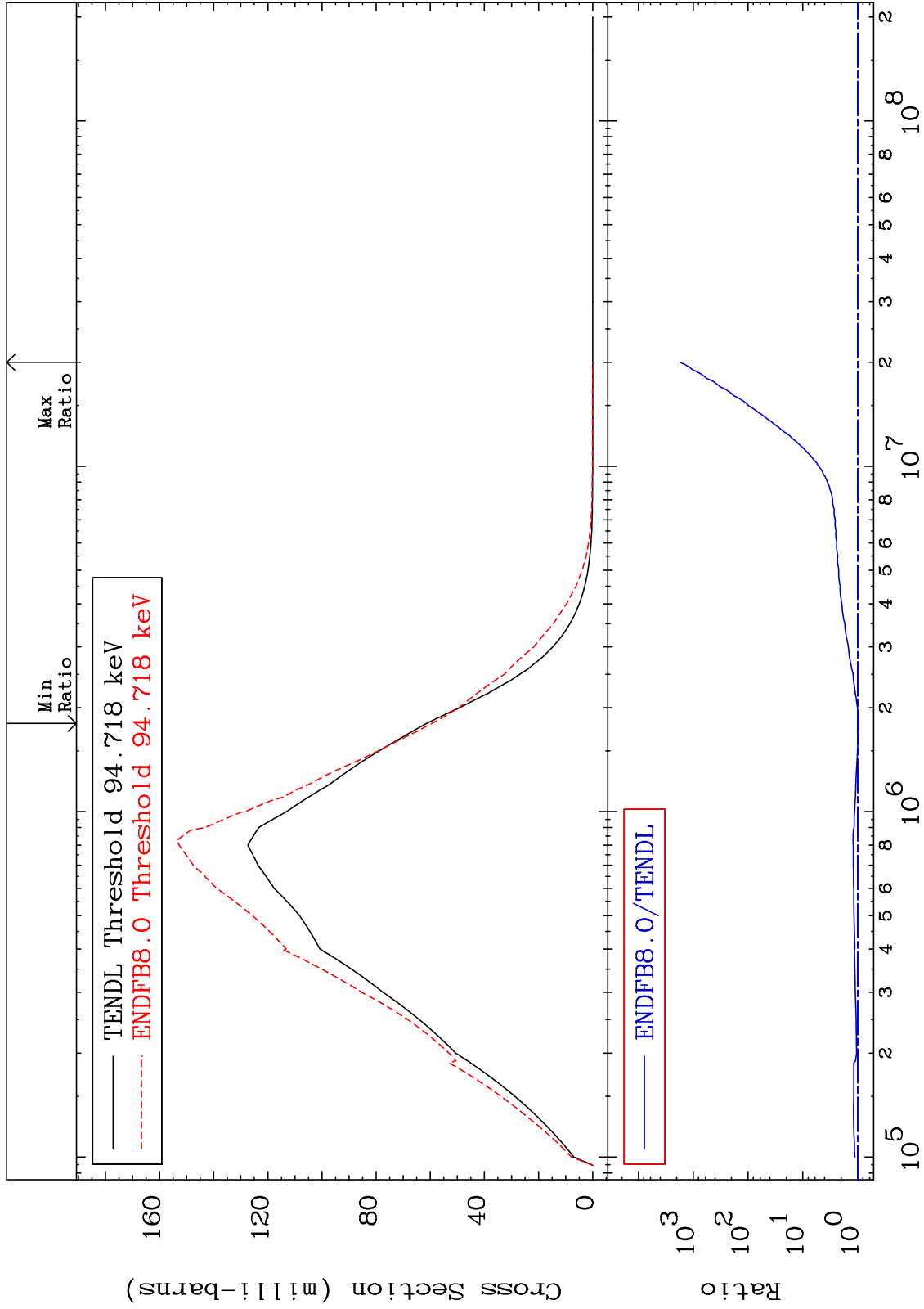
Incident Energy (eV)

30-Zn-67

MAT 3034

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

30-Zn-67  
-3.186 To 9999. %



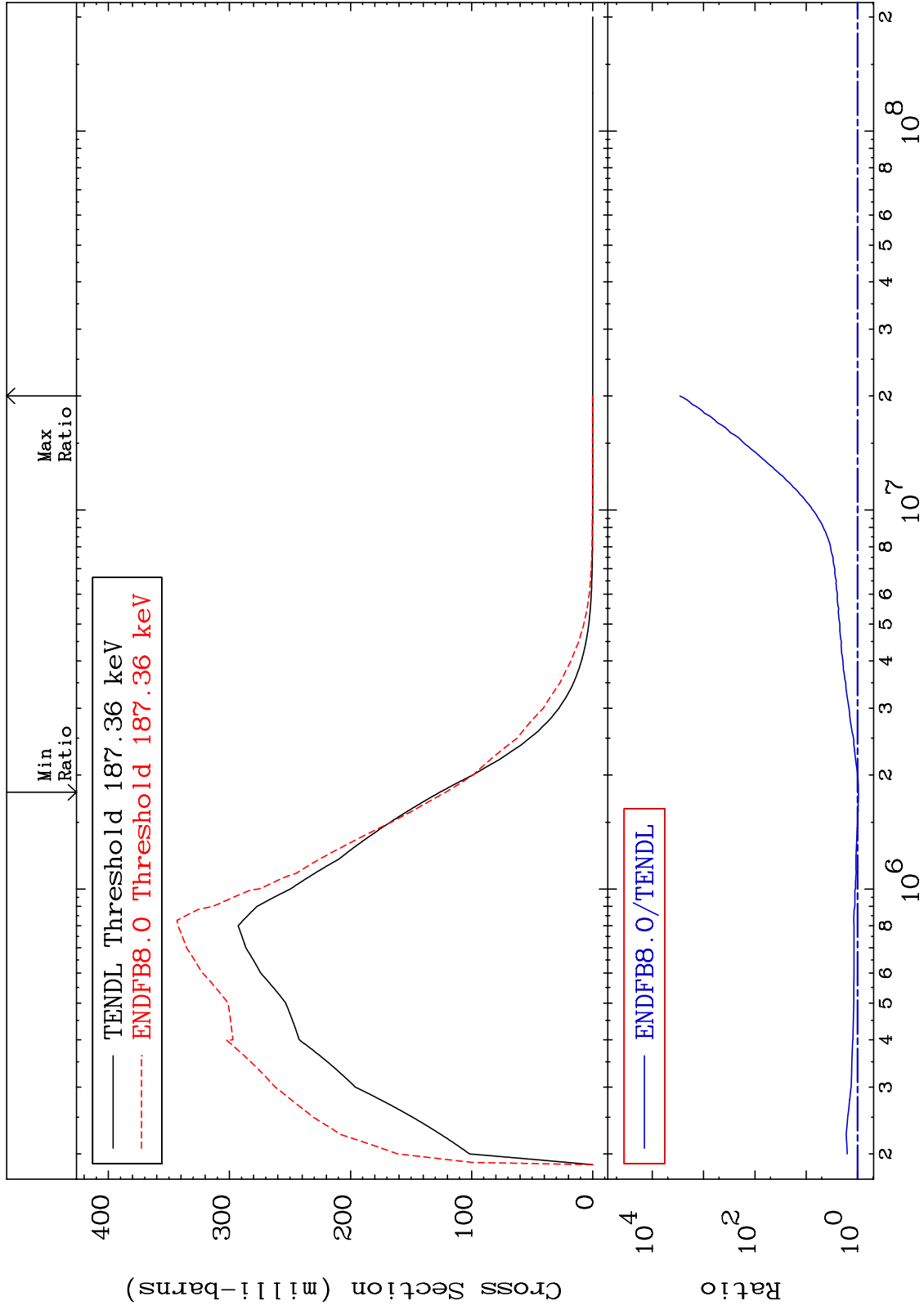
— TENDL Threshold 94.718 keV  
- - - ENDFB8.0 Threshold 94.718 keV

— ENDFB8.0/TENDL

MAT 3034

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

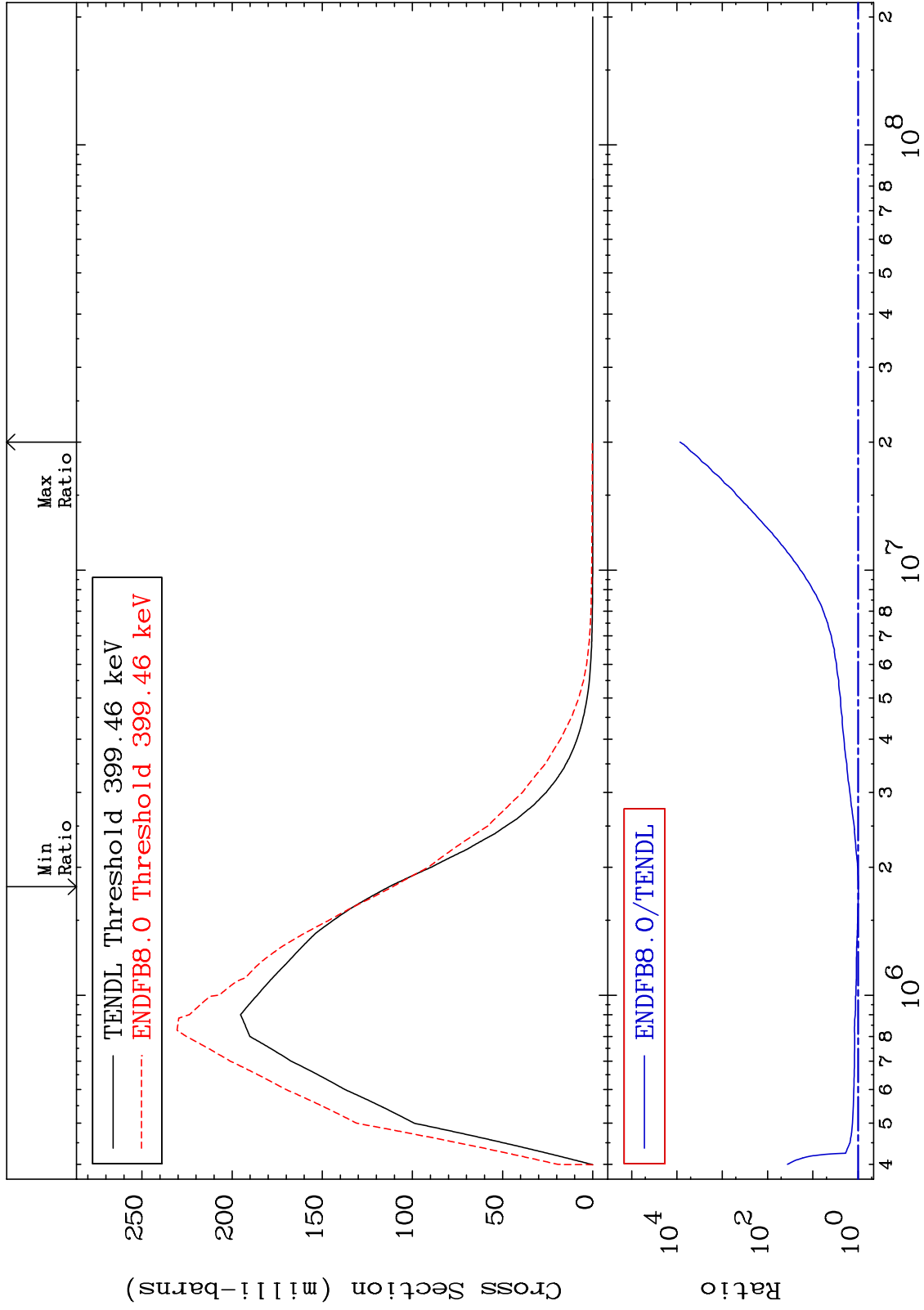
30-Zn-67  
-3.765 To 9999. %



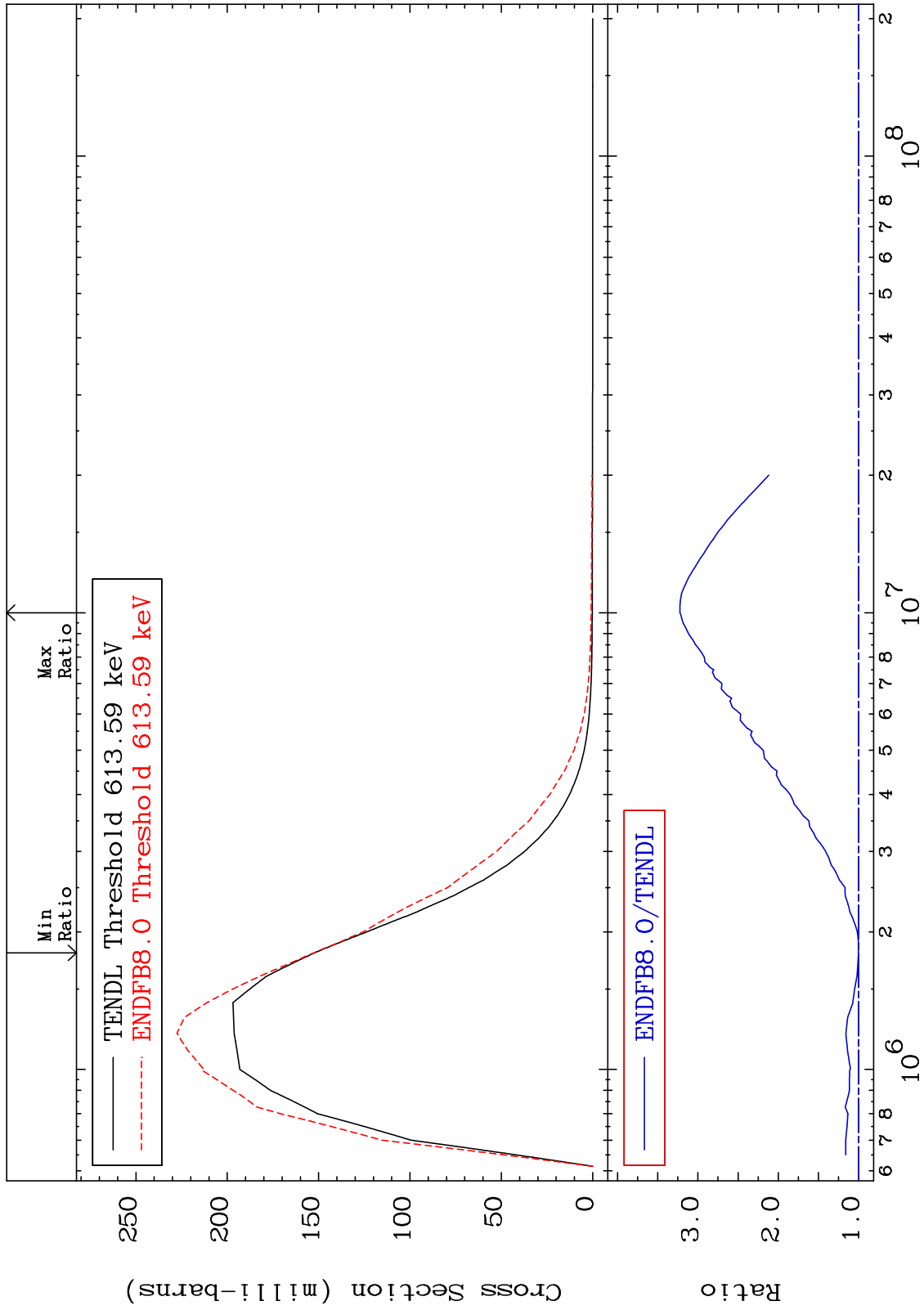
MAT 3034

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

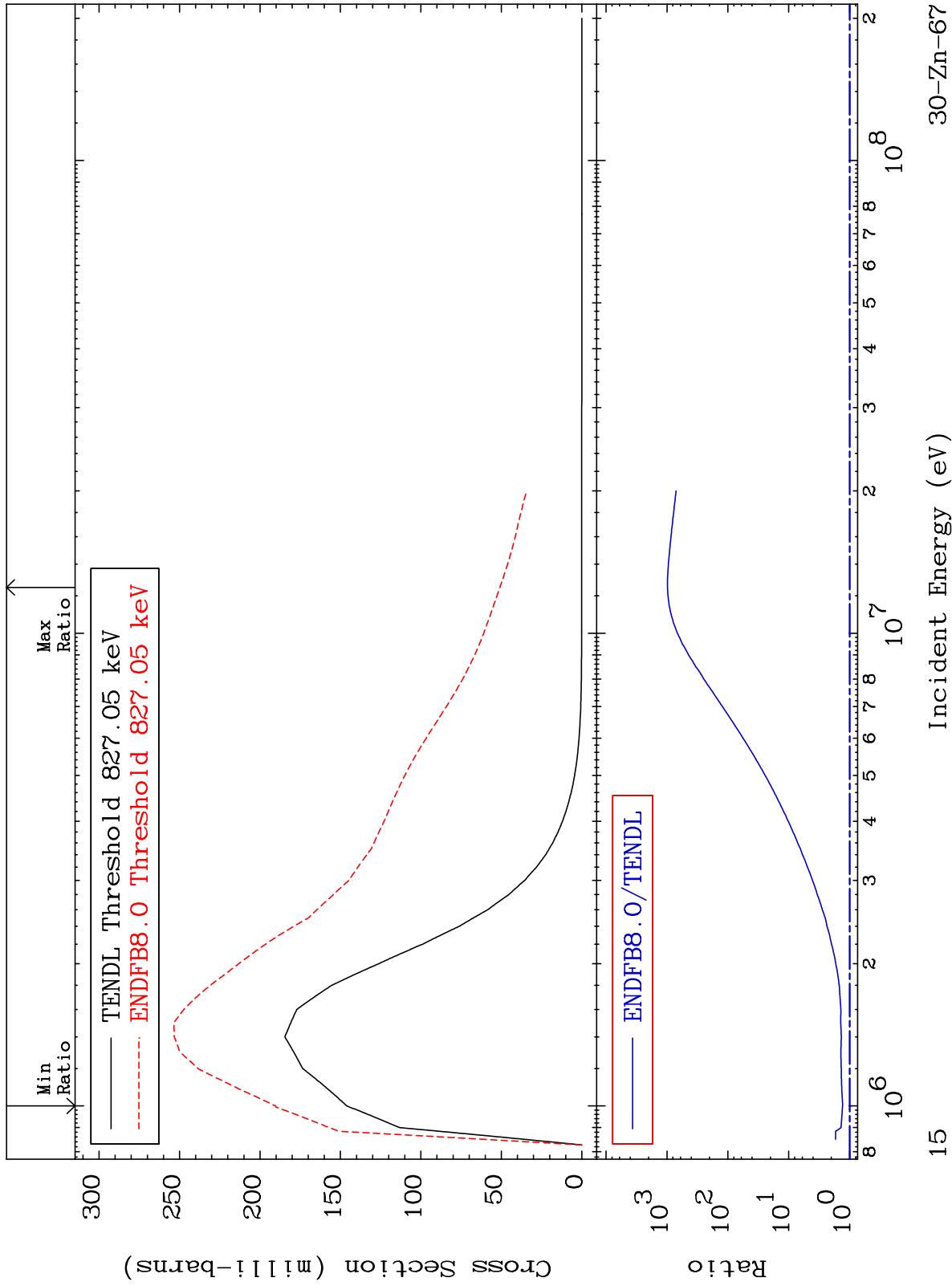
30-Zn-67  
-1.766 To 9999. %



MAT 3034      MT= 54 (n,n') Level Cross Section      30-Zn-67  
 0.280 To 222.3 %



MAT 3034 MT= 55 (n,n') Level Cross Section 30.36 To 9999. % 30-Zn-67

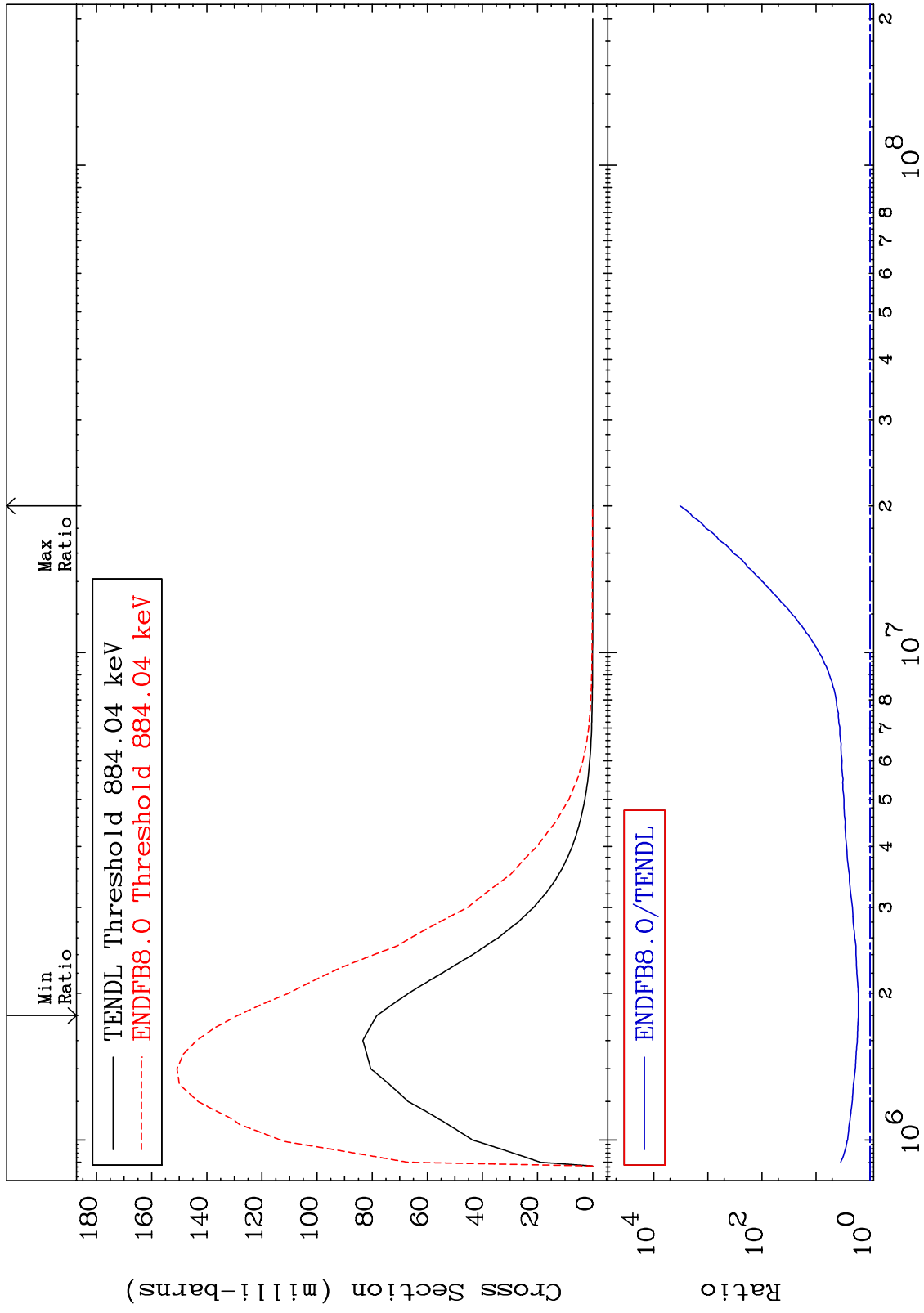




MAT 3034

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

30-Zn-67  
64.45 To 9999. %



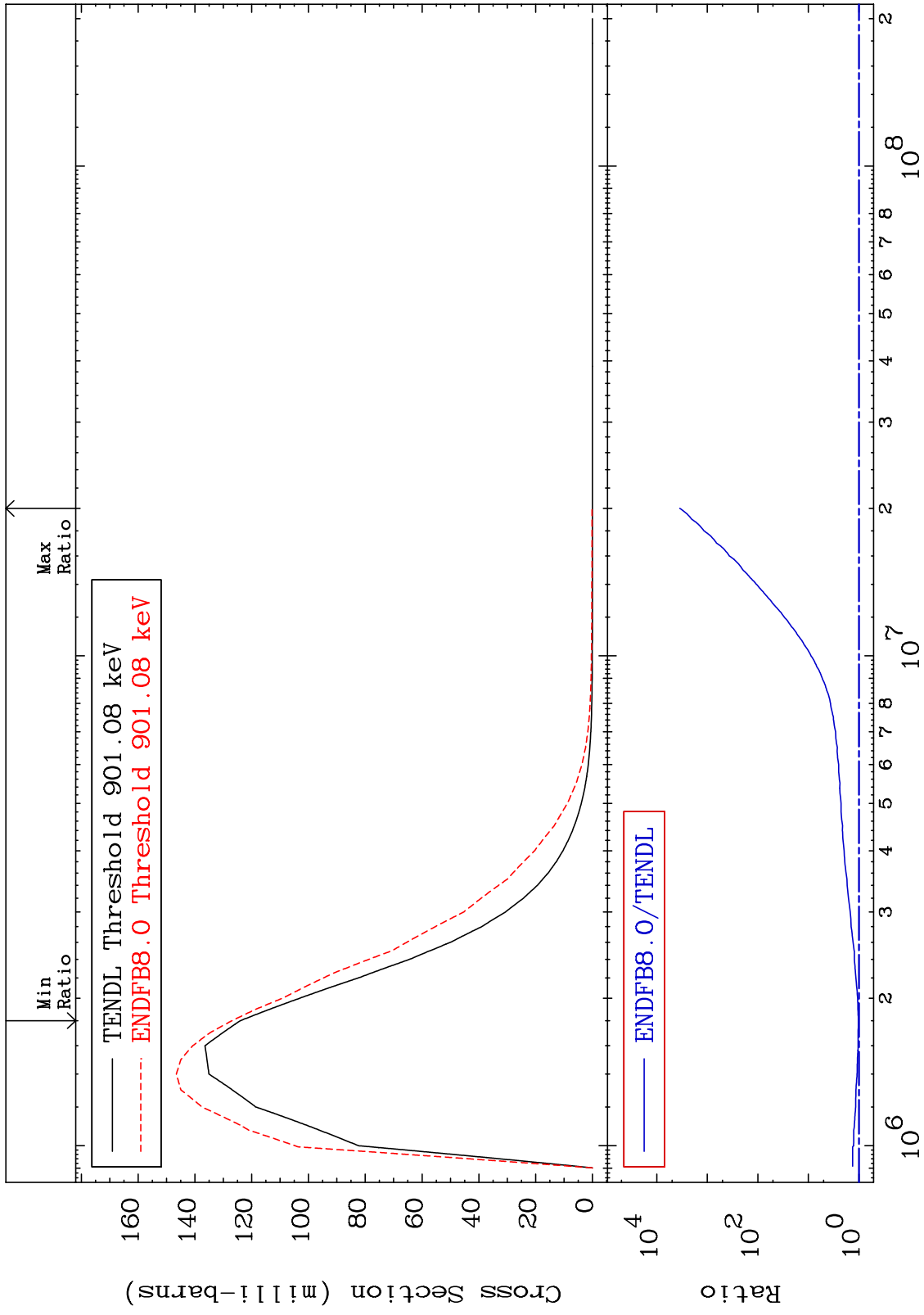
Incident Energy (eV)

30-Zn-67

MAT 3034

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

30-Zn-67  
2.352 To 9999. %

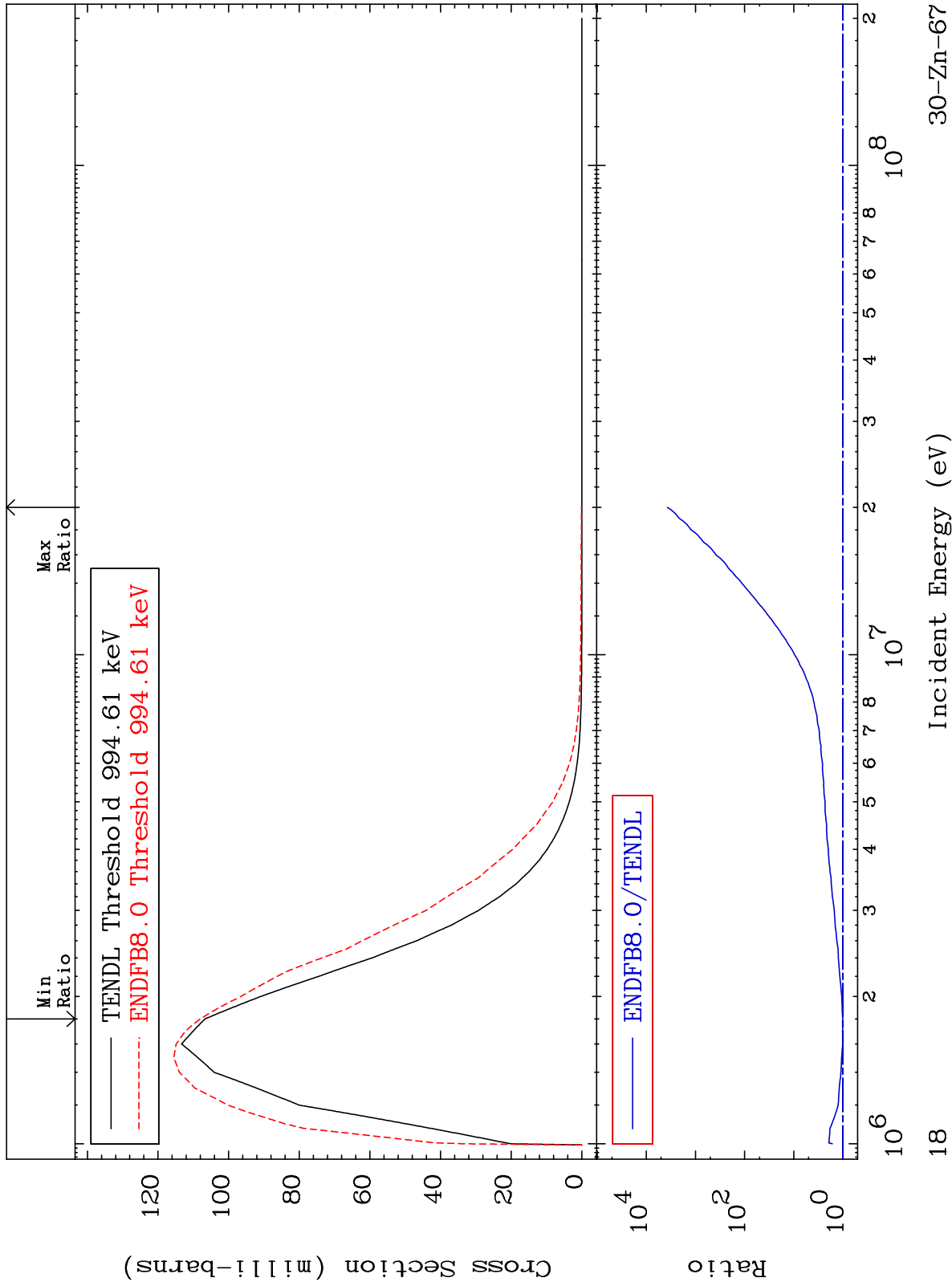


30-Zn-67

MAT 3034

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

30-Zn-67  
1.262 To 9999. %



30-Zn-67

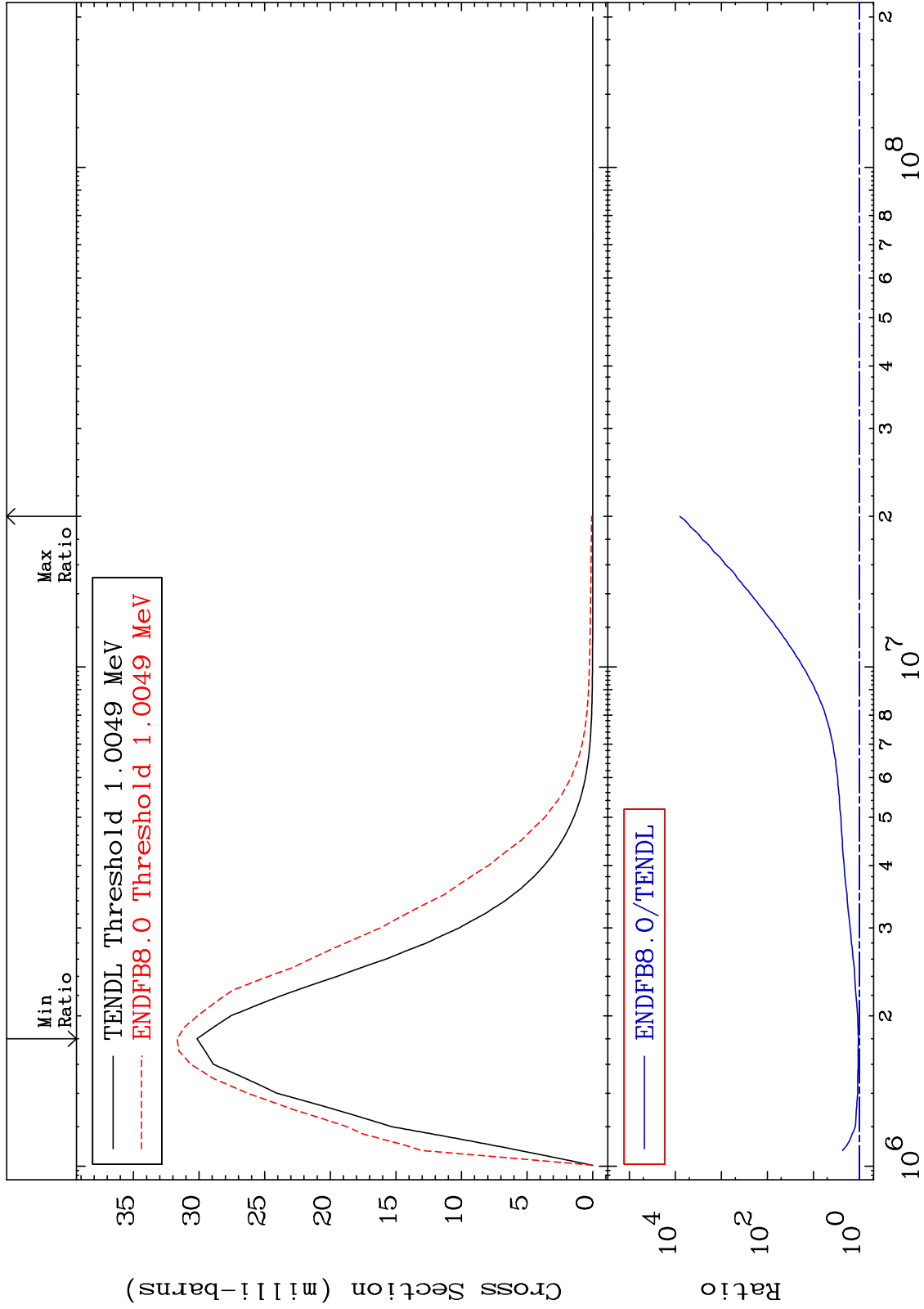
Incident Energy (eV)

18

MAT 3034

MT= 59 (n,n') Level  
Cross Section

5.045 To 9999. %  
30-Zn-67

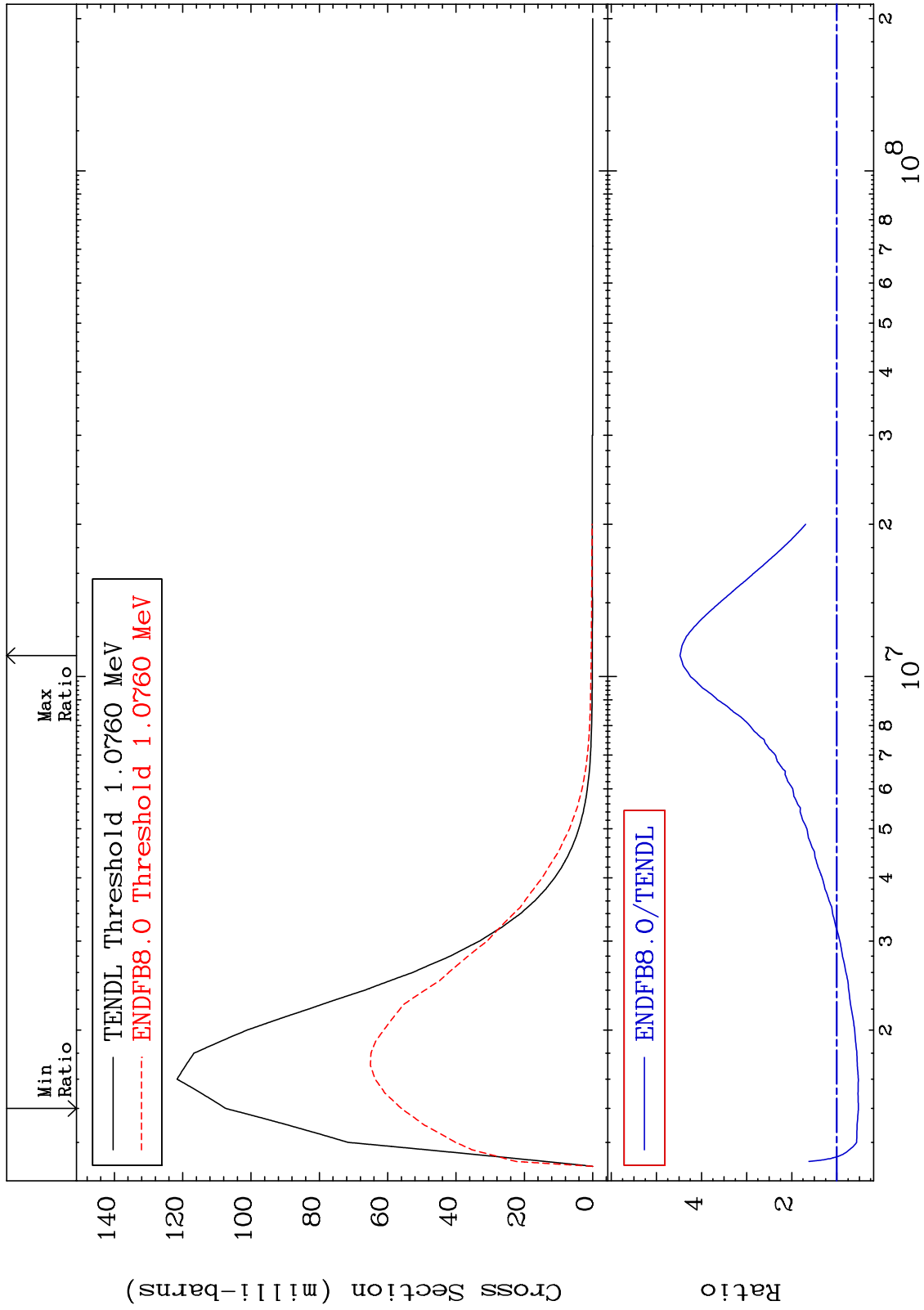


30-Zn-67

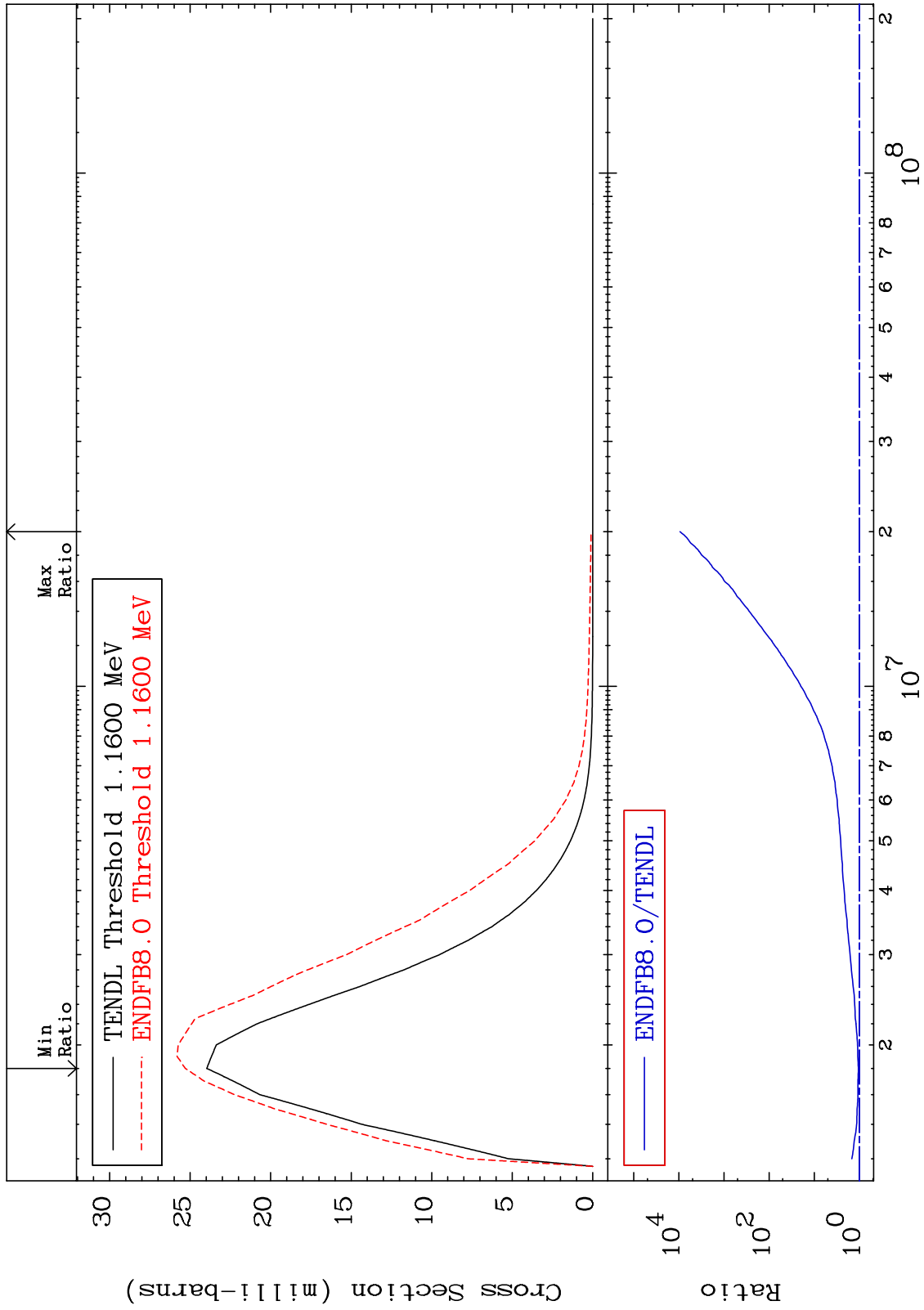
Incident Energy (eV)

19

MAT 3034 MT= 60 (n,n') Level  
Cross Section 30-Zn-67  
-47.85 To 347.7 %



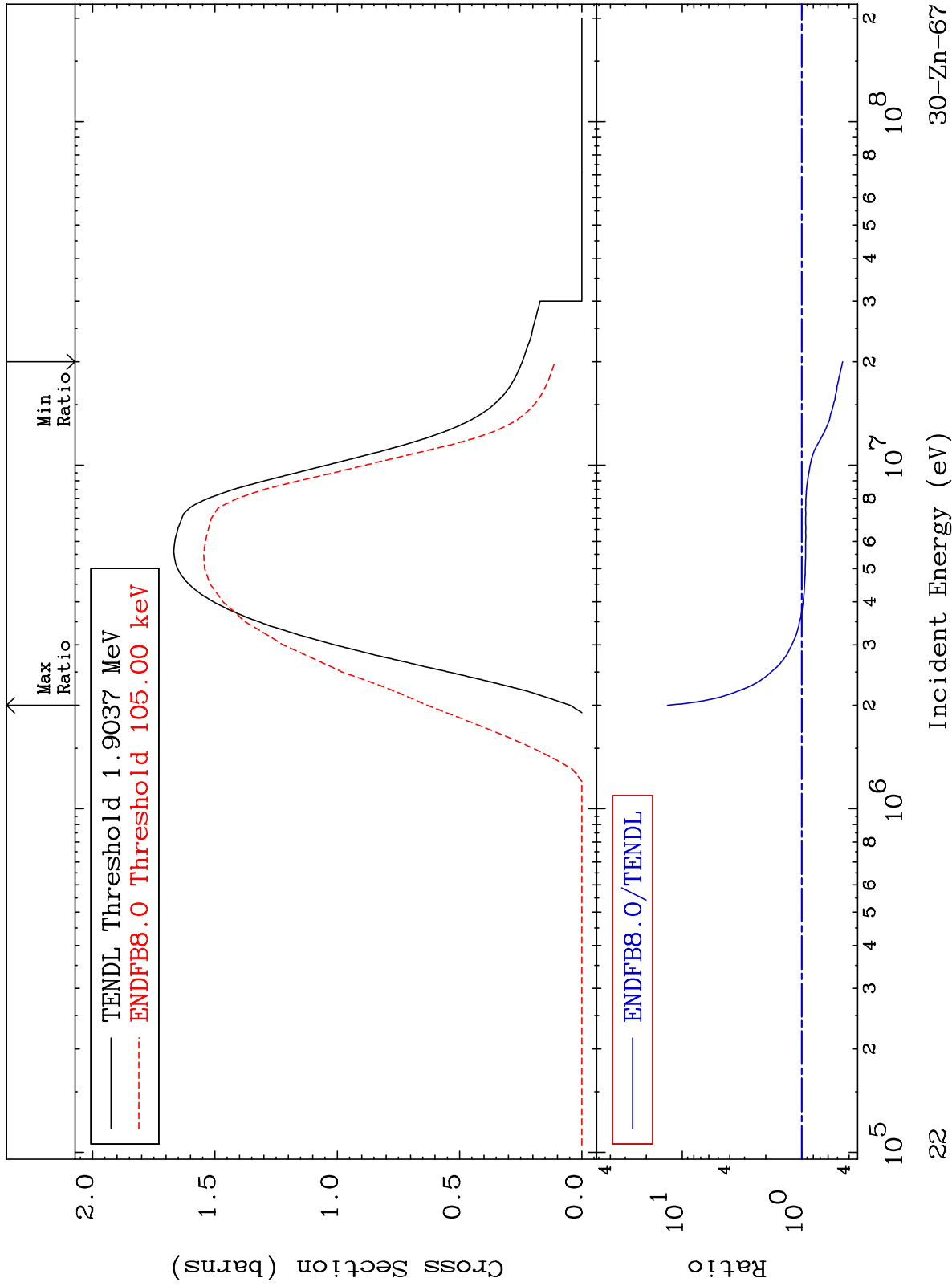
MAT 3034 MT= 61 (n, n') Level Cross Section 30-Zn-67 To 9999. %  
 5.585



MAT 3034

(n, n') Continuum  
Cross Section

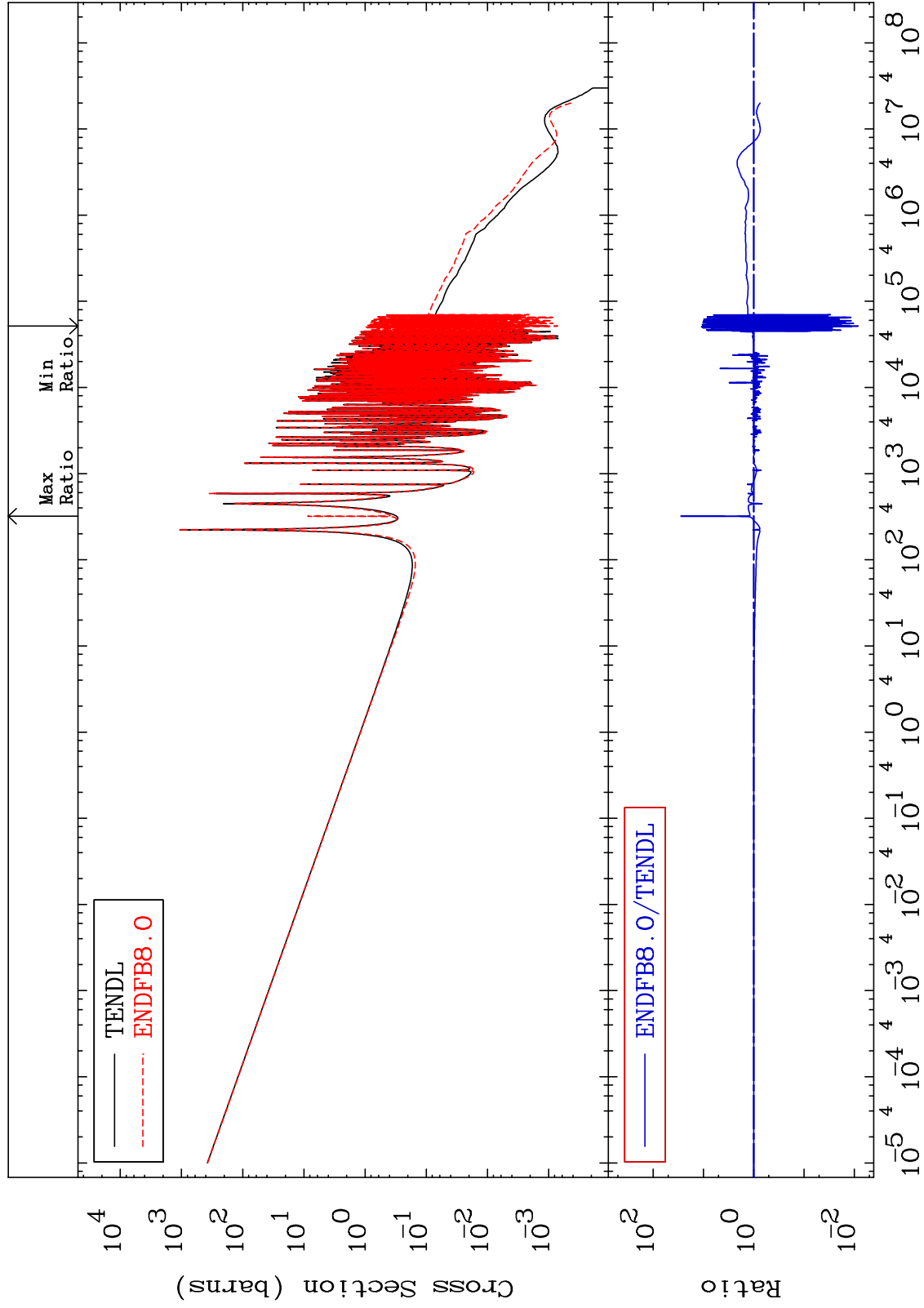
30-Zn-67  
-54.70 To 1228. %



MAT 3034

(n,  $\gamma$ )  
Cross Section

30-Zn-67  
-99.18 To 2762. %



23

Incident Energy (eV)

30-Zn-67



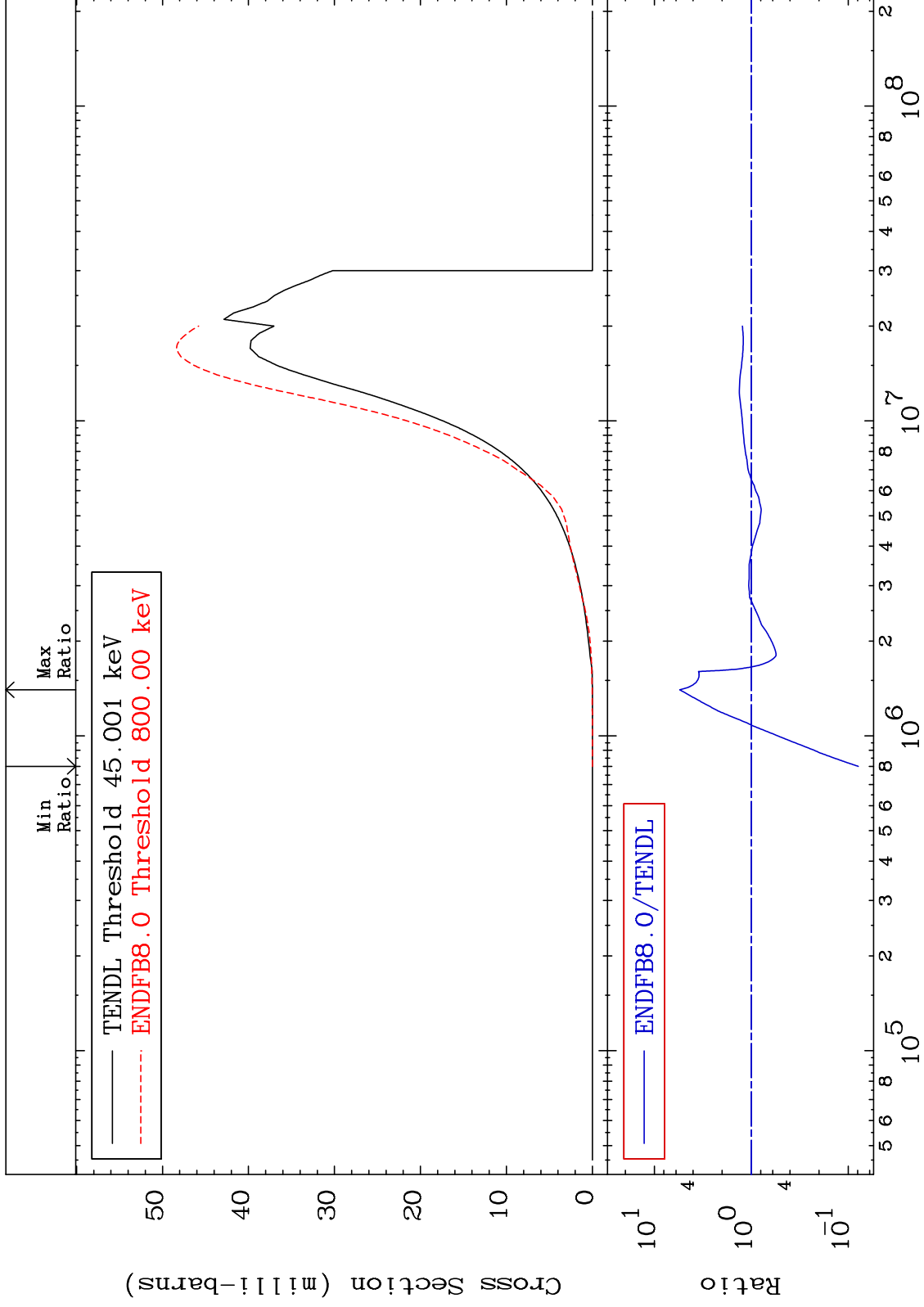
MAT 3034

(n, p)

30-Zn-67

Cross Section

-92.15 To 447.4 %



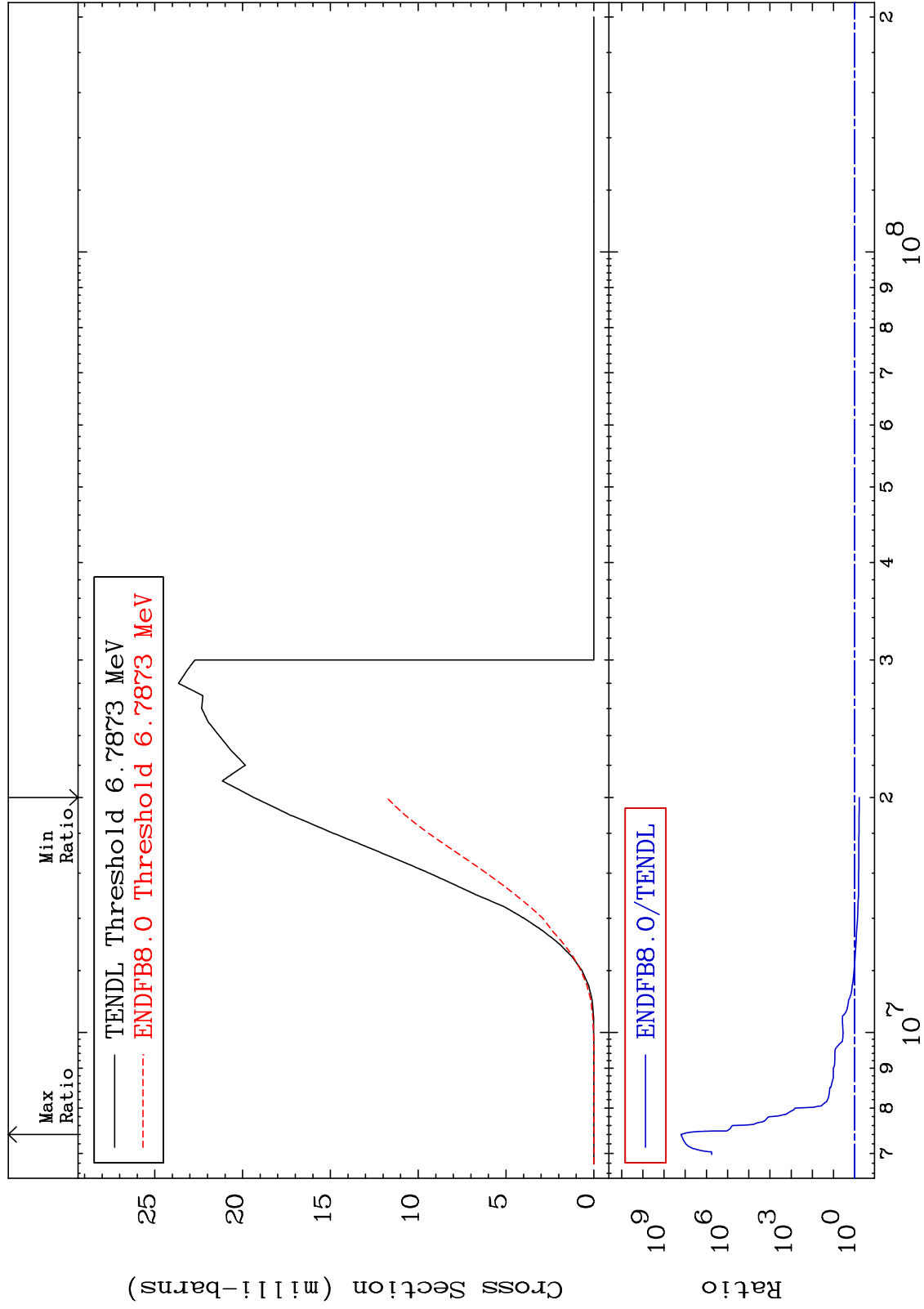
MAT 3034

(n,d)

30-Zn-67

Cross Section

-39.02 To 9999. %



25

Incident Energy (eV)

30-Zn-67

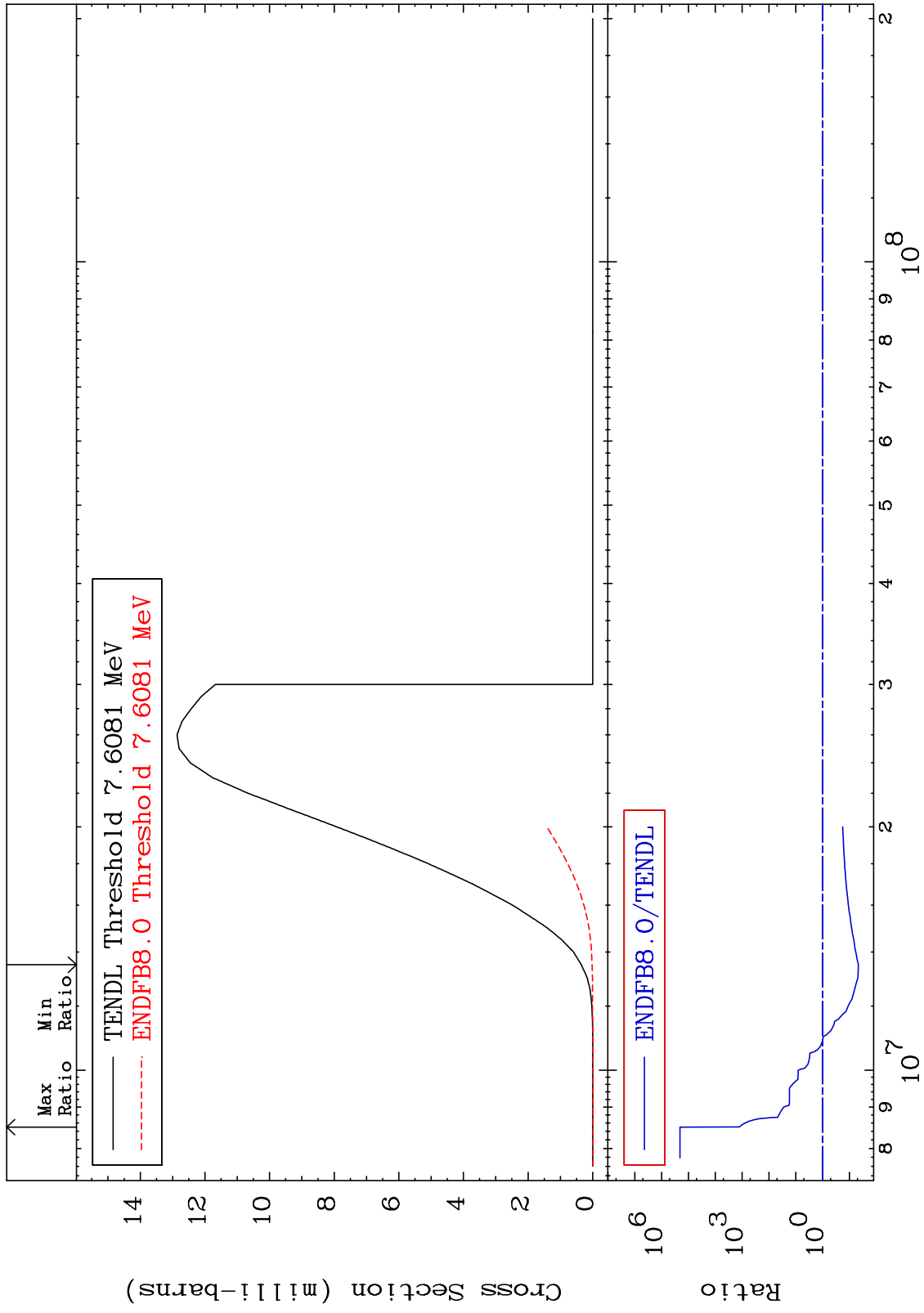
MAT 3034

(n, t)

30-Zn-67

Cross Section

-95.36 To 9999. %



30-Zn-67

Incident Energy (eV)

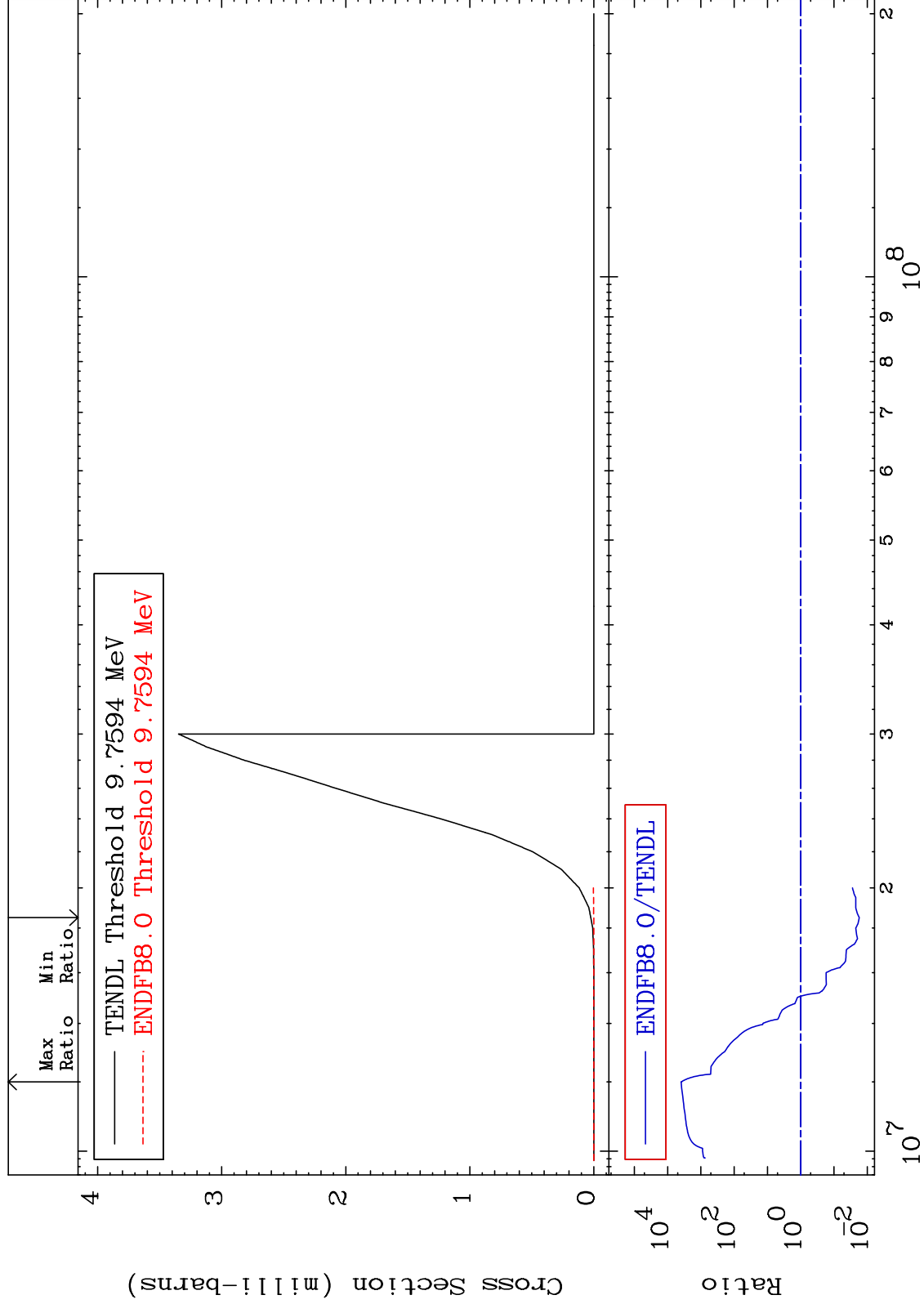
MAT 3034

(n, He-3)

30-Zn-67

Cross Section

-98.26 To 9999. %



27

Incident Energy (eV)

30-Zn-67

MAT 3034

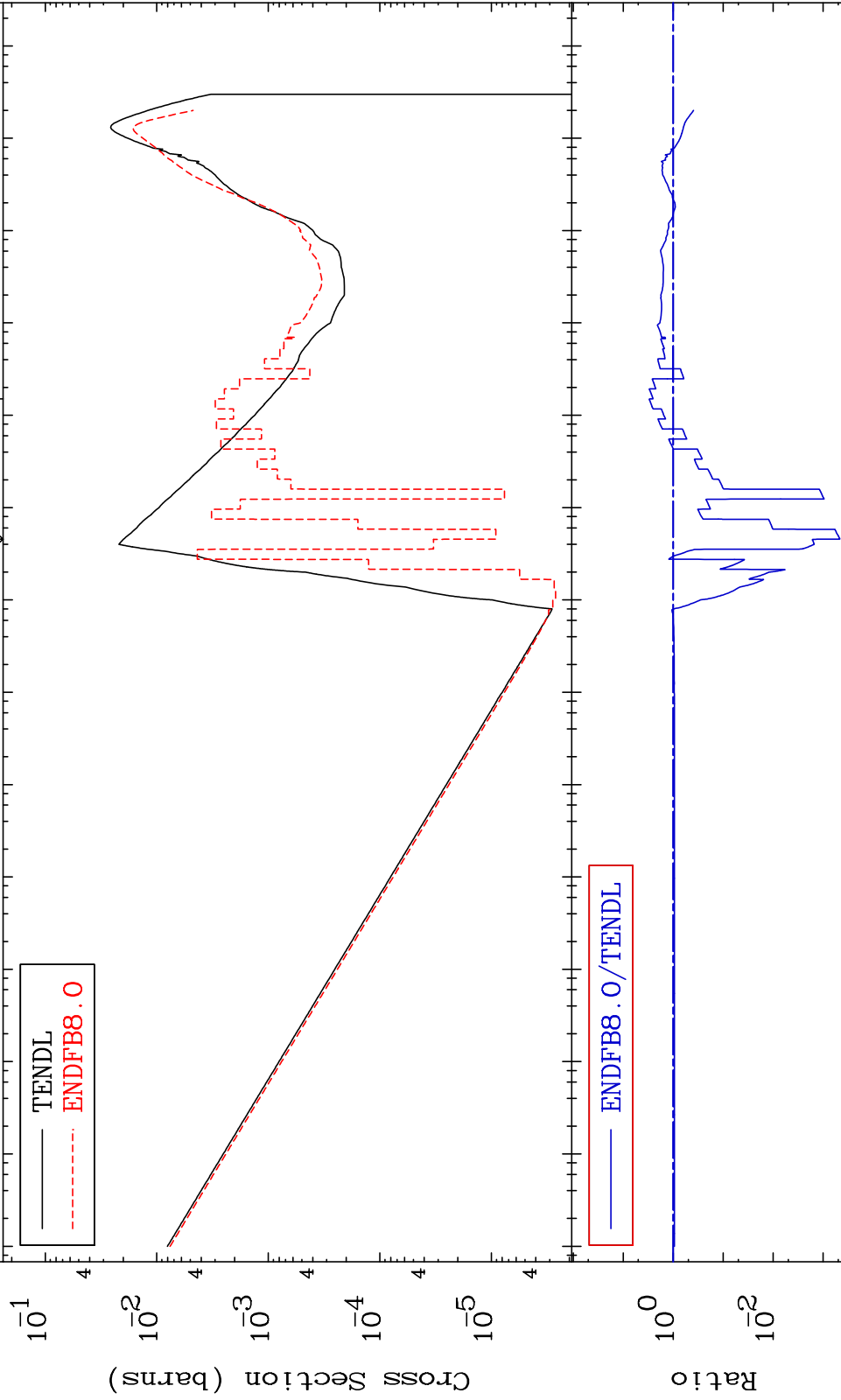
30-Zn-67

(n,  $\alpha$ )  
Cross Section

Min Ratio

Max Ratio

-99.95 To 205.2 %



Incident Energy (eV)

30-Zn-67

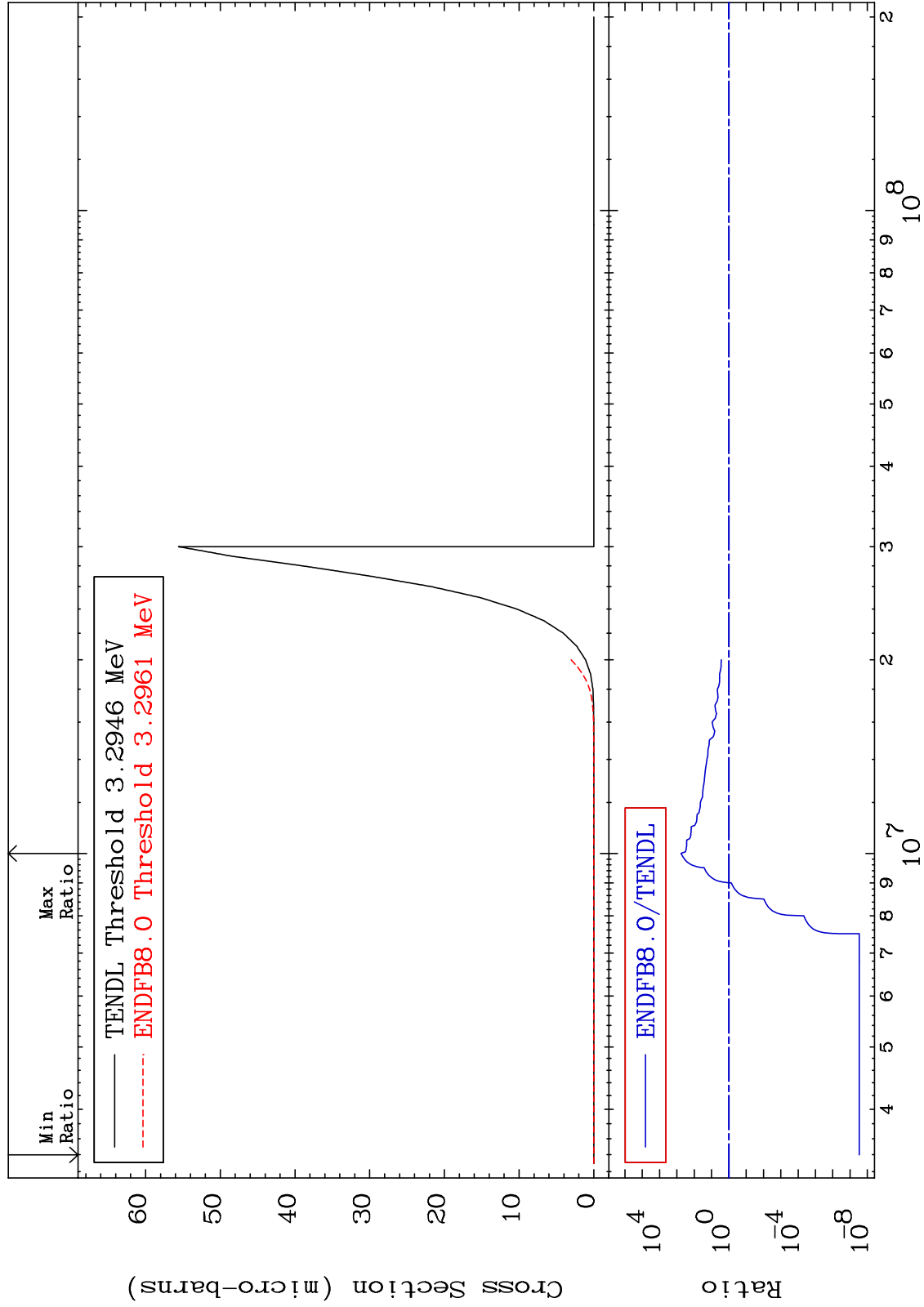
MAT 3034

(n, 2α)

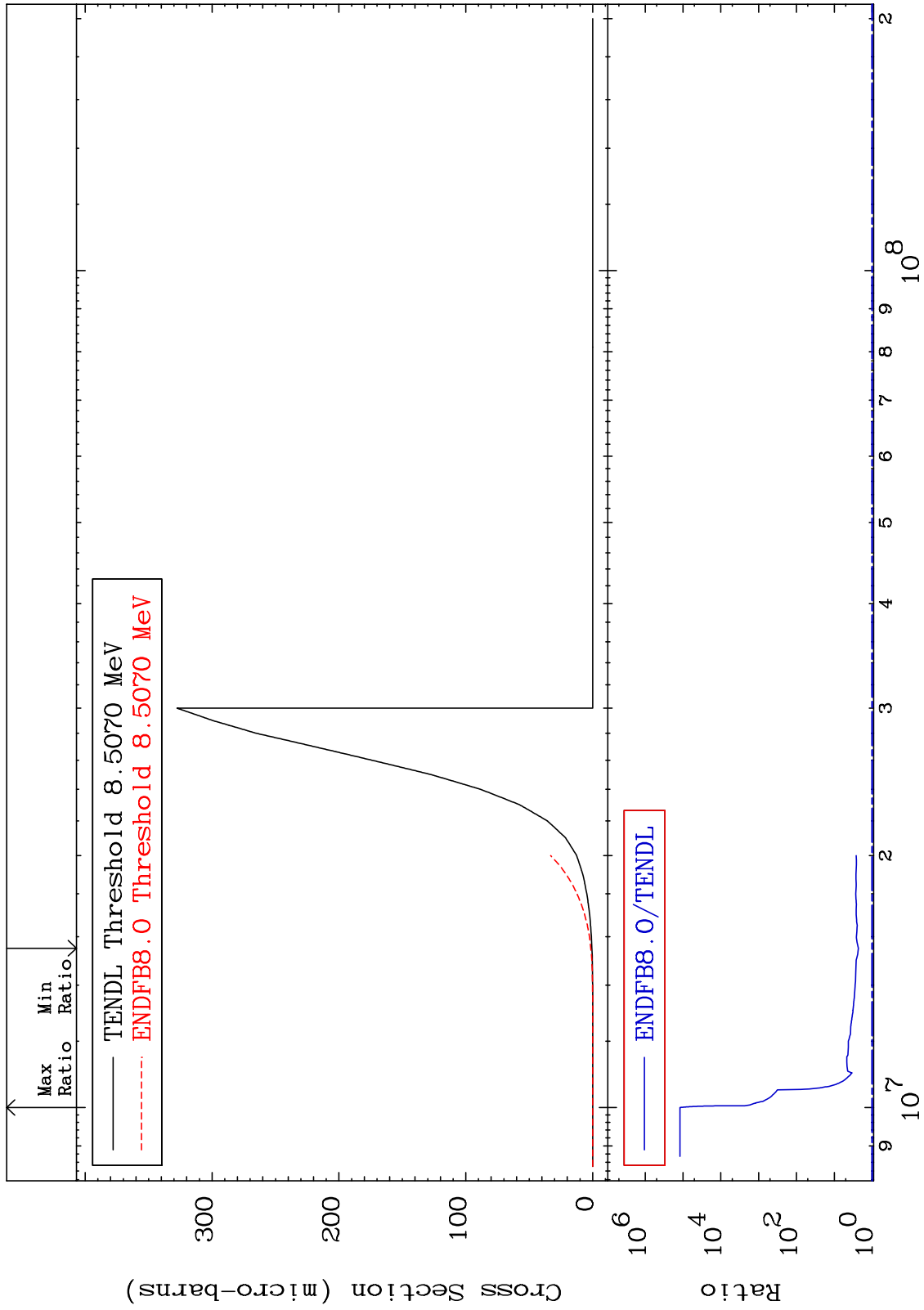
30-Zn-67

Cross Section

-100.0 To 9999. %



MAT 3034 (n,2p) Cross Section 30-Zn-67 To 9999. %



30 30-Zn-67

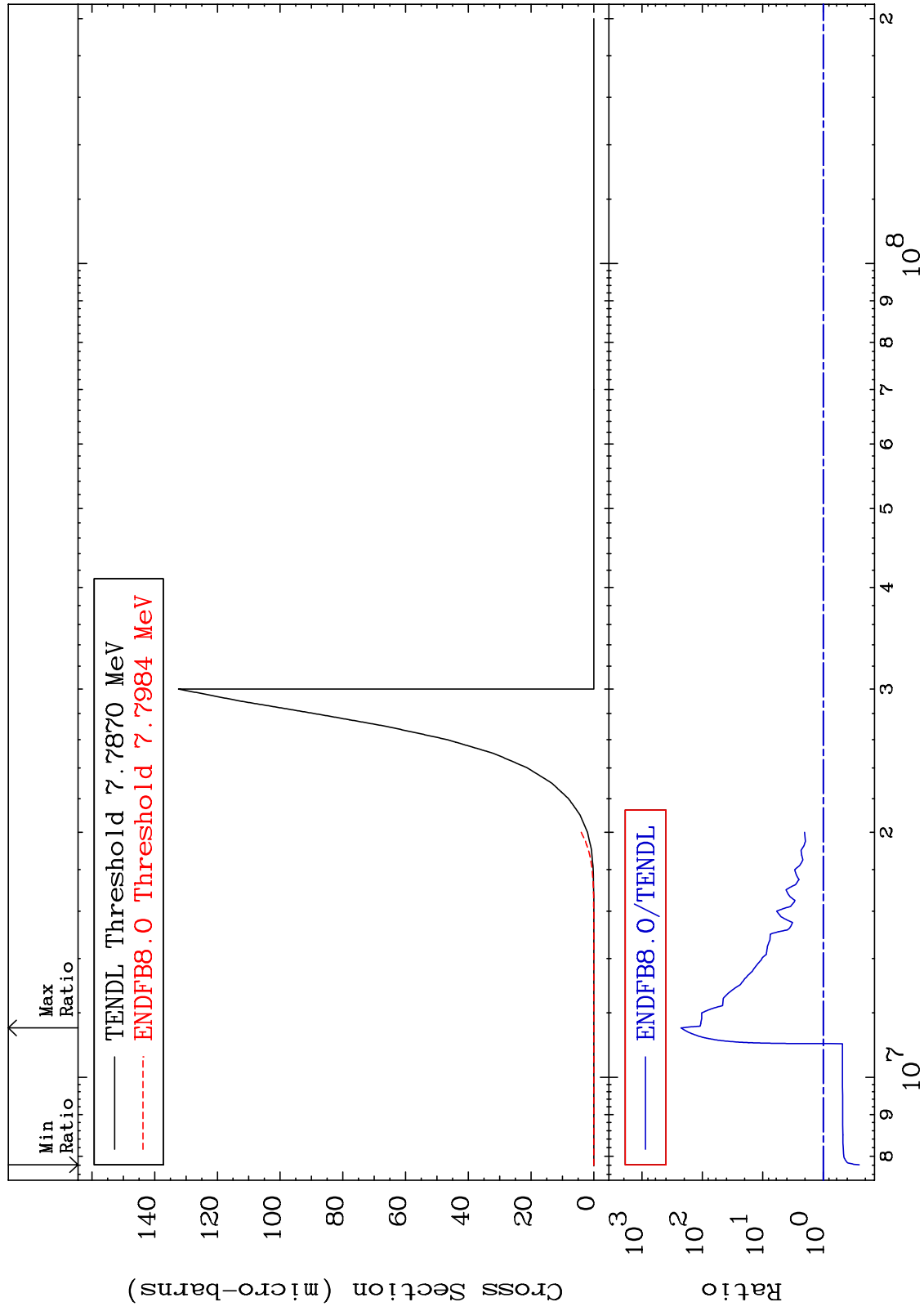
MAT 3034

(n,p)  $\alpha$

30-Zn-67

Cross Section

-74.76 To 9999. %

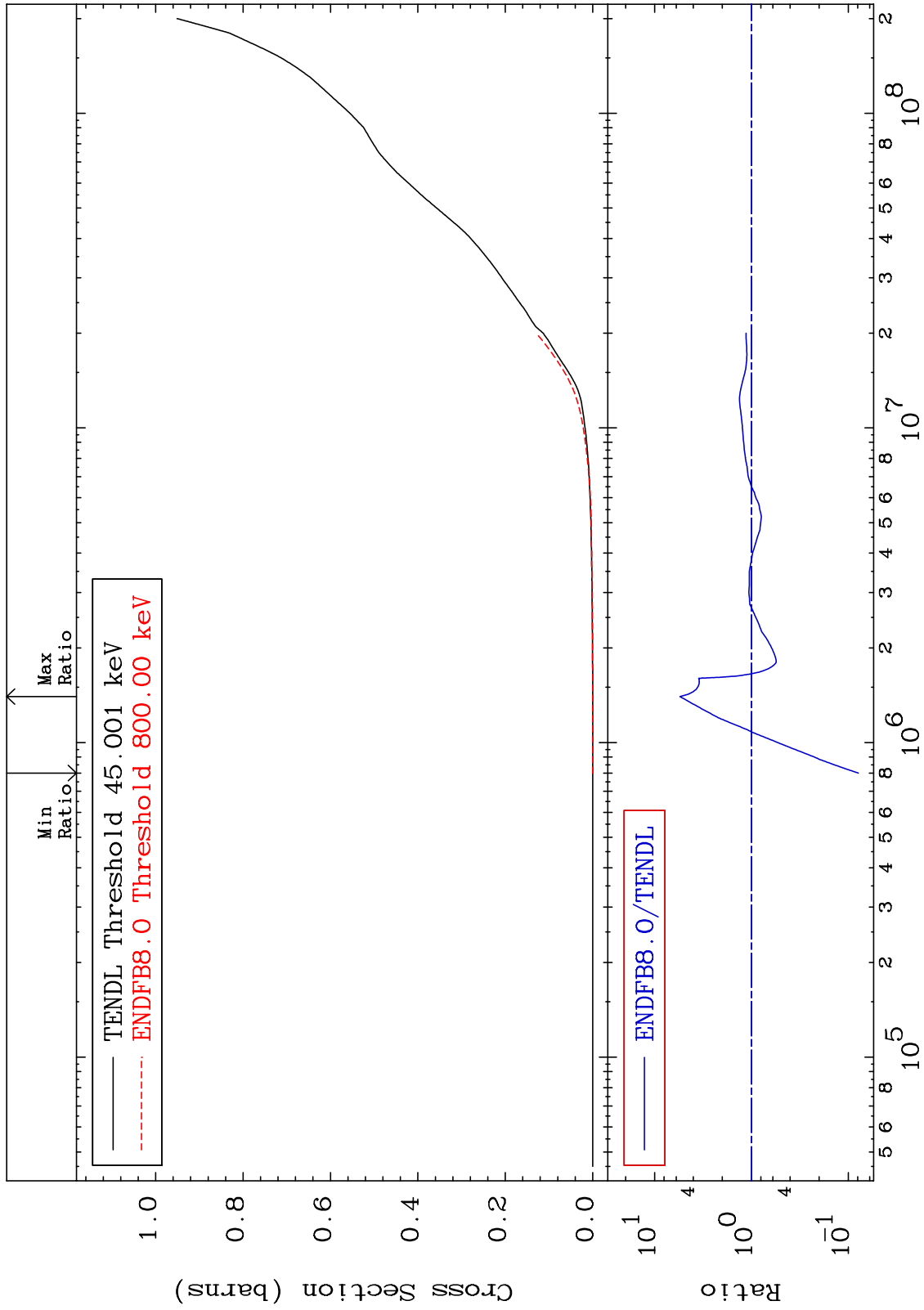




MAT 3034

Hydrogen Production  
Cross Section

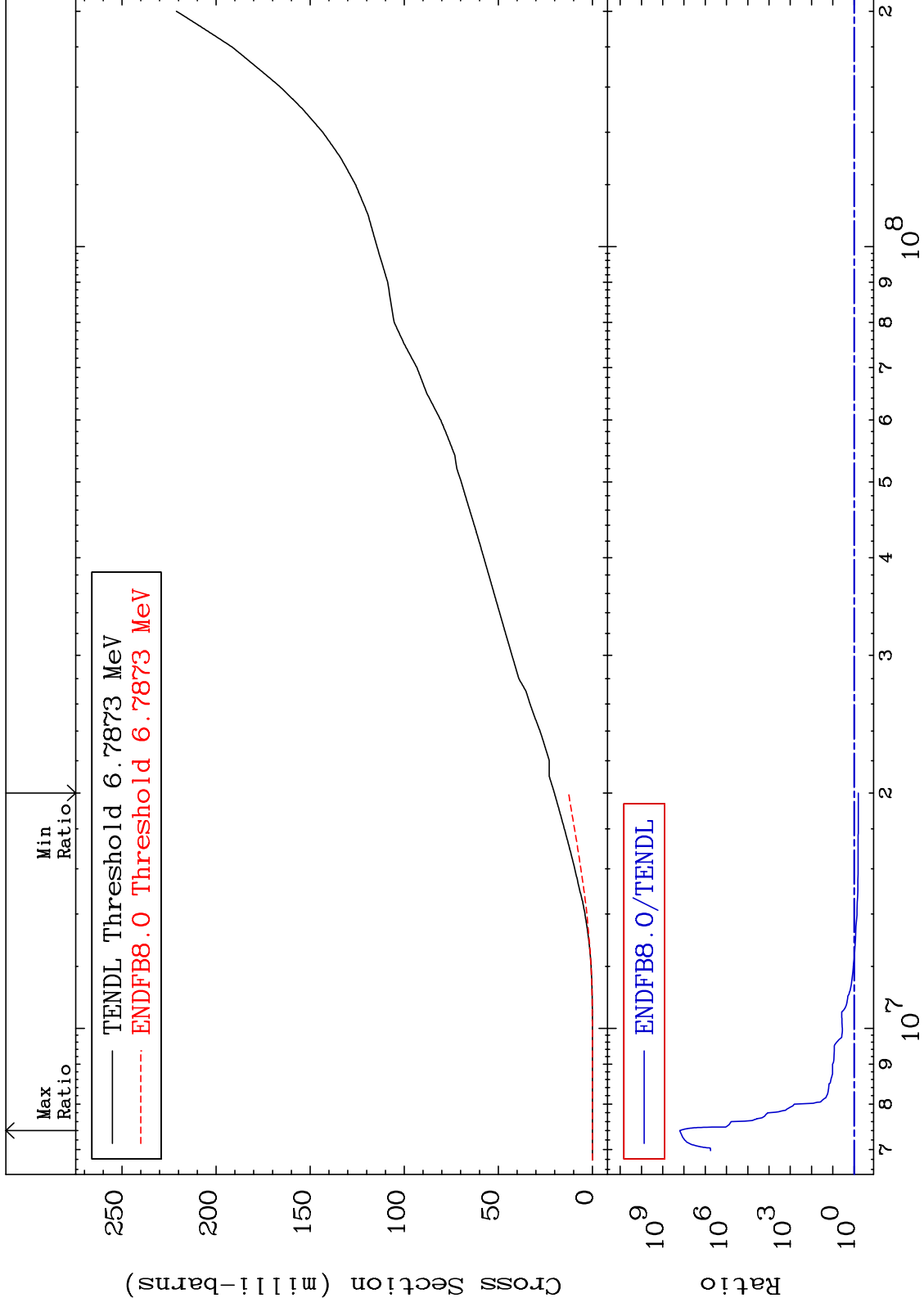
30-Zn-67  
-92.15 To 447.4 %



MAT 3034

Deuterium Production  
Cross Section

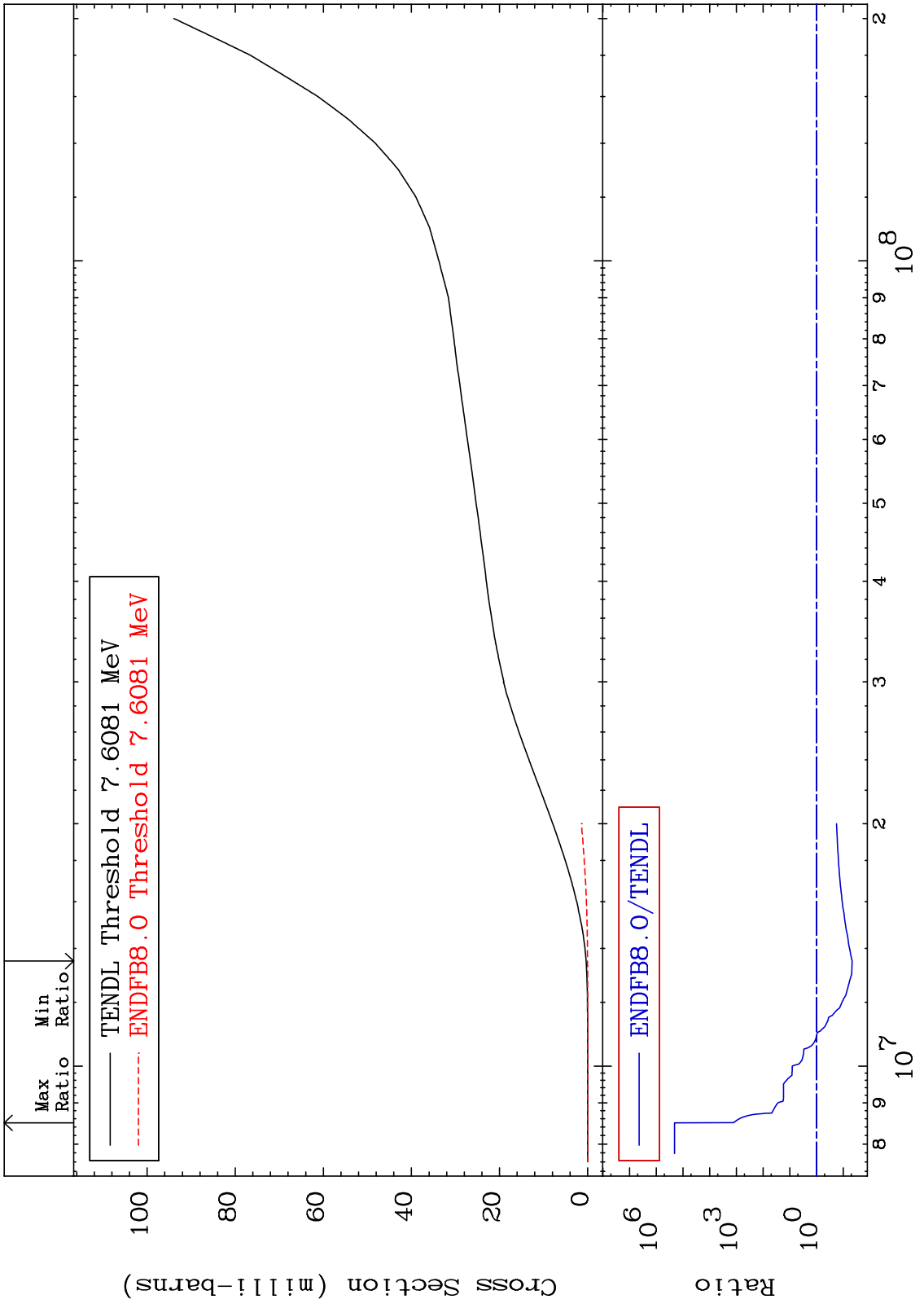
30-Zn-67  
-37.07 To 9999. %



MAT 3034

Tritium Production  
Cross Section

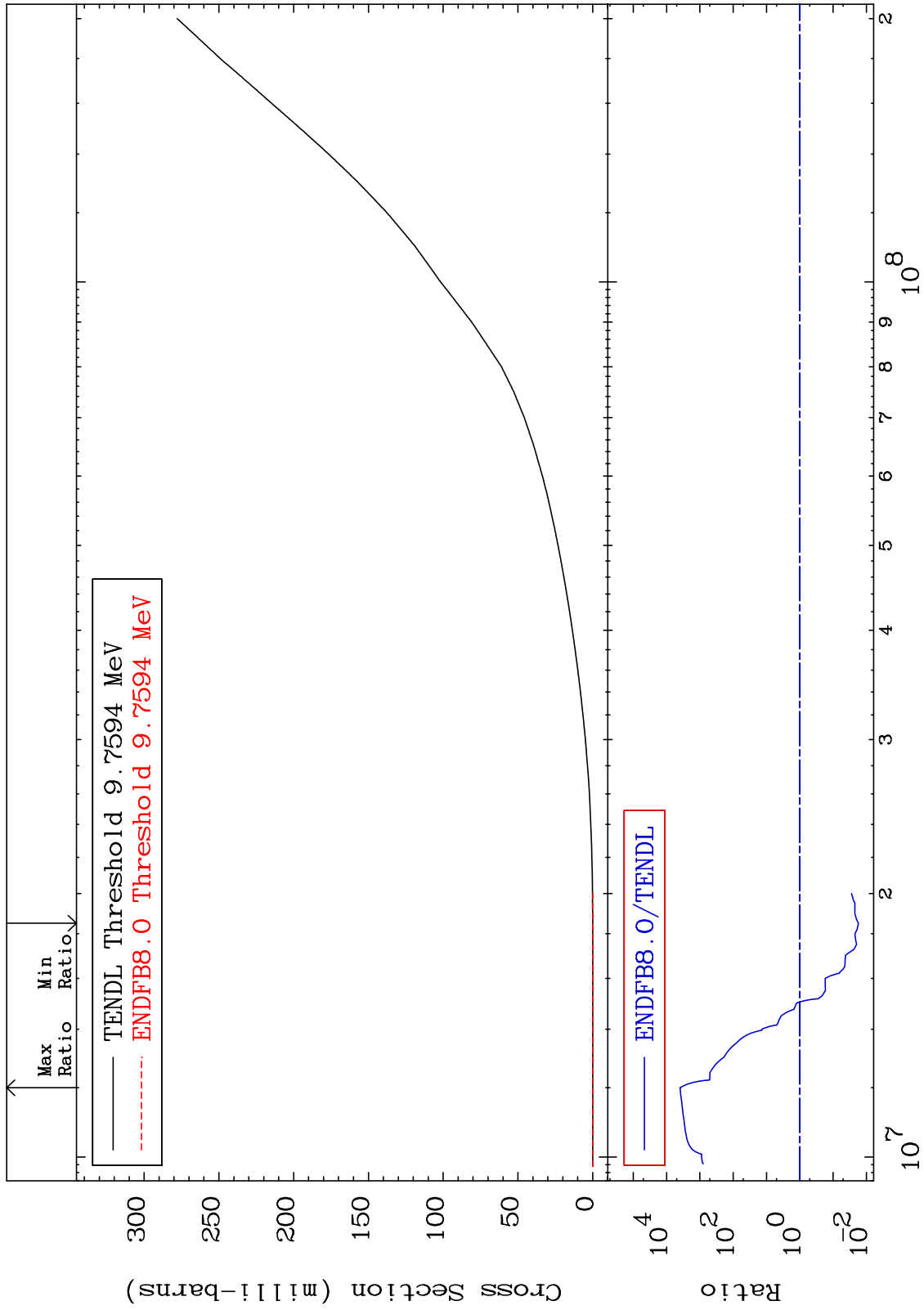
30-Zn-67  
-95.36 To 9999. %



MAT 3034

He-3 Production  
Cross Section

30-Zn-67  
-98.26 To 9999. %



Incident Energy (eV)

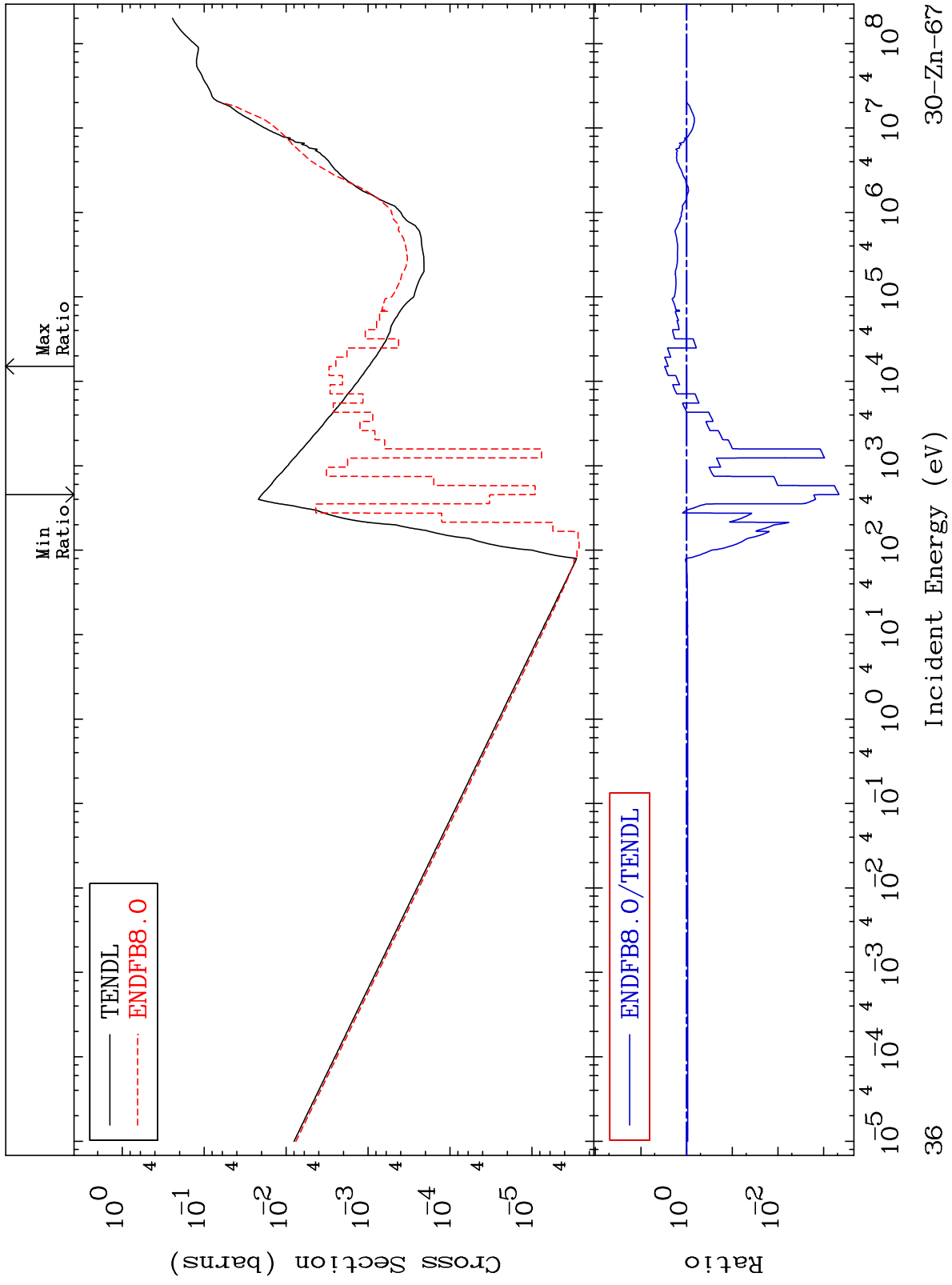
30-Zn-67

35

MAT 3034

He-4 Production  
Cross Section

30-Zn-67  
-99.95 To 205.2 %

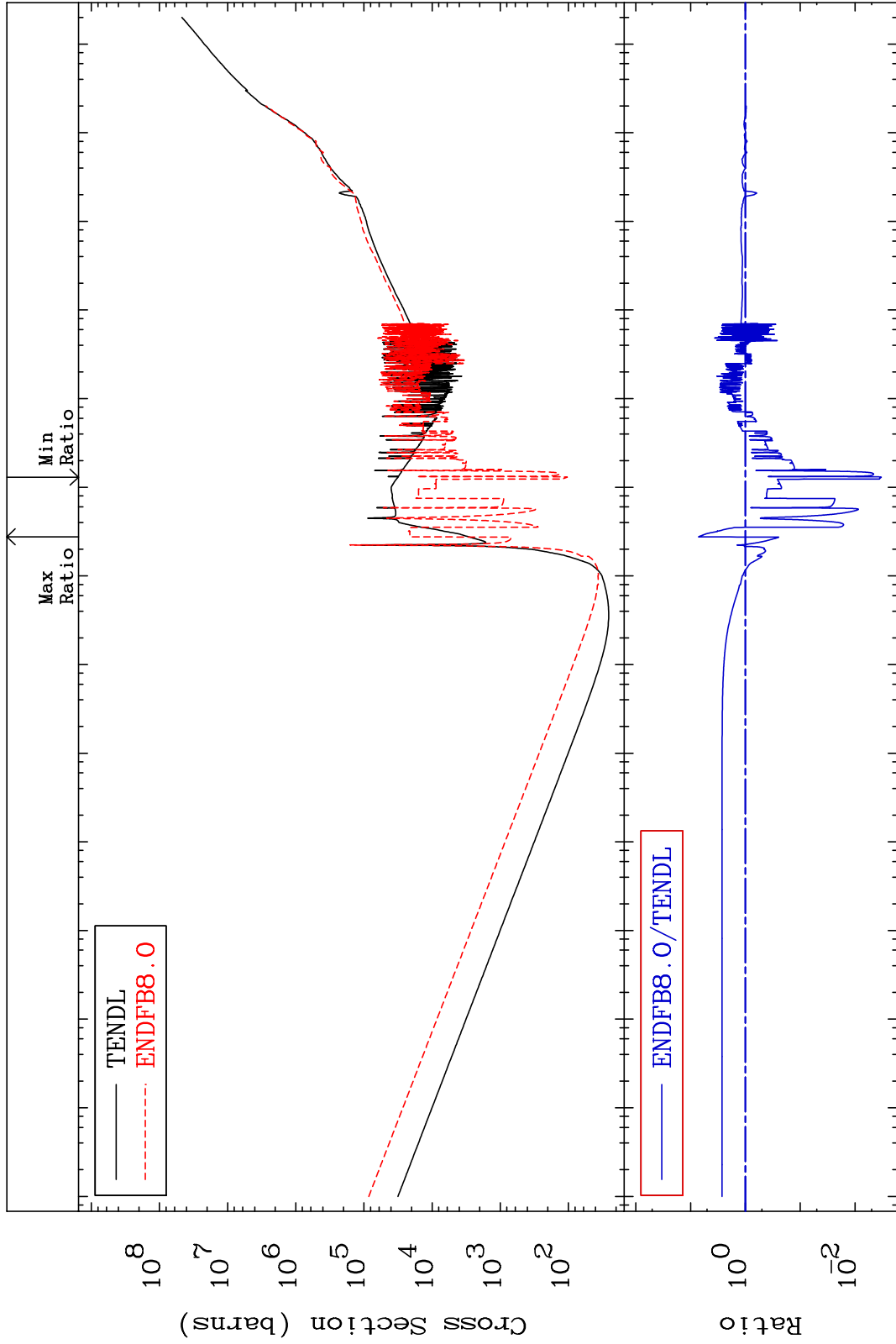


MAT 3034

Kerma total (eV-barns)  
Cross Section

30-Zn-67

-99.67 To 621.3 %



37

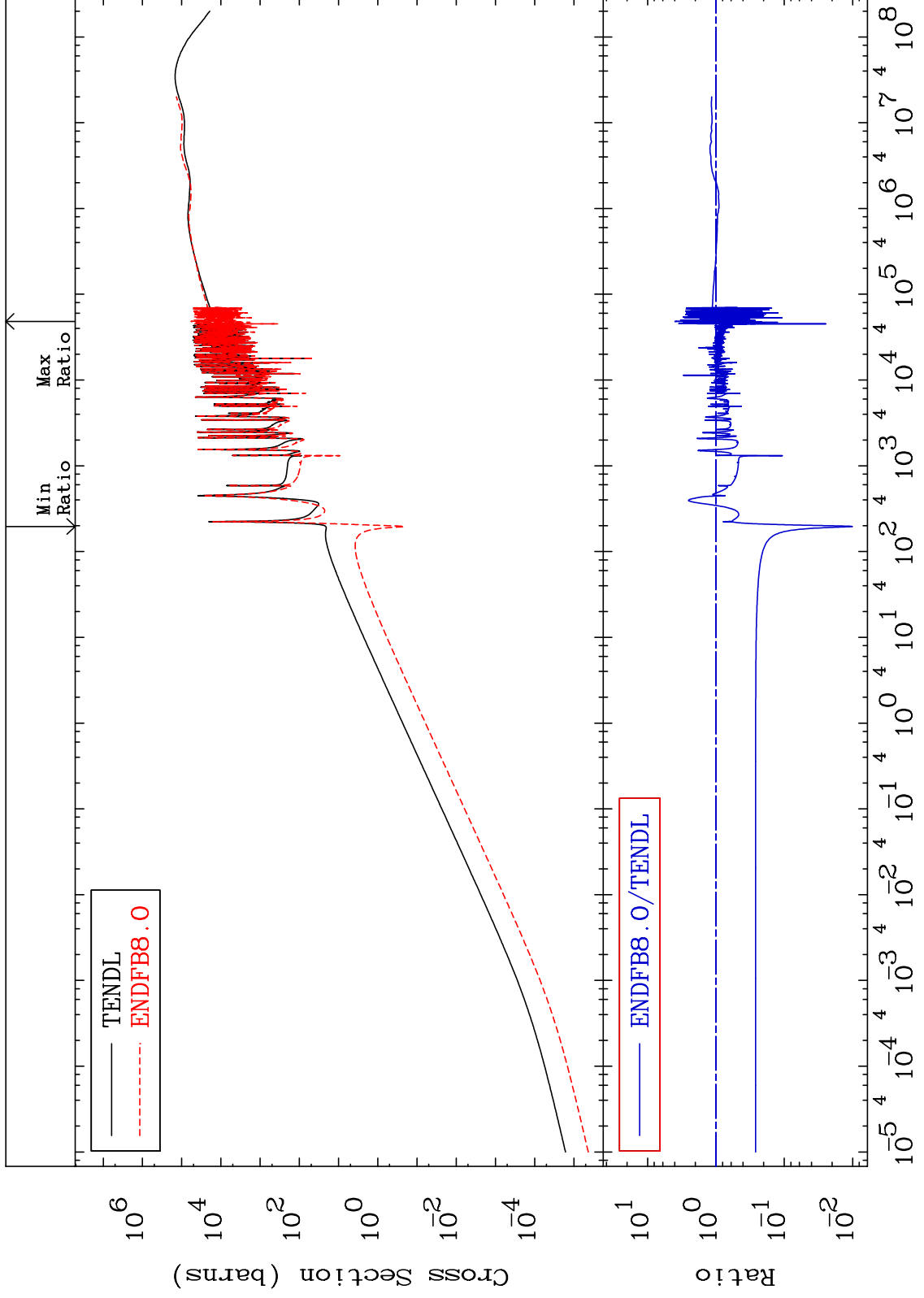
Incident Energy (eV)

30-Zn-67

MAT 3034

Kerma elastic  
Cross Section

30-Zn-67  
-98.99 To 296.6 %

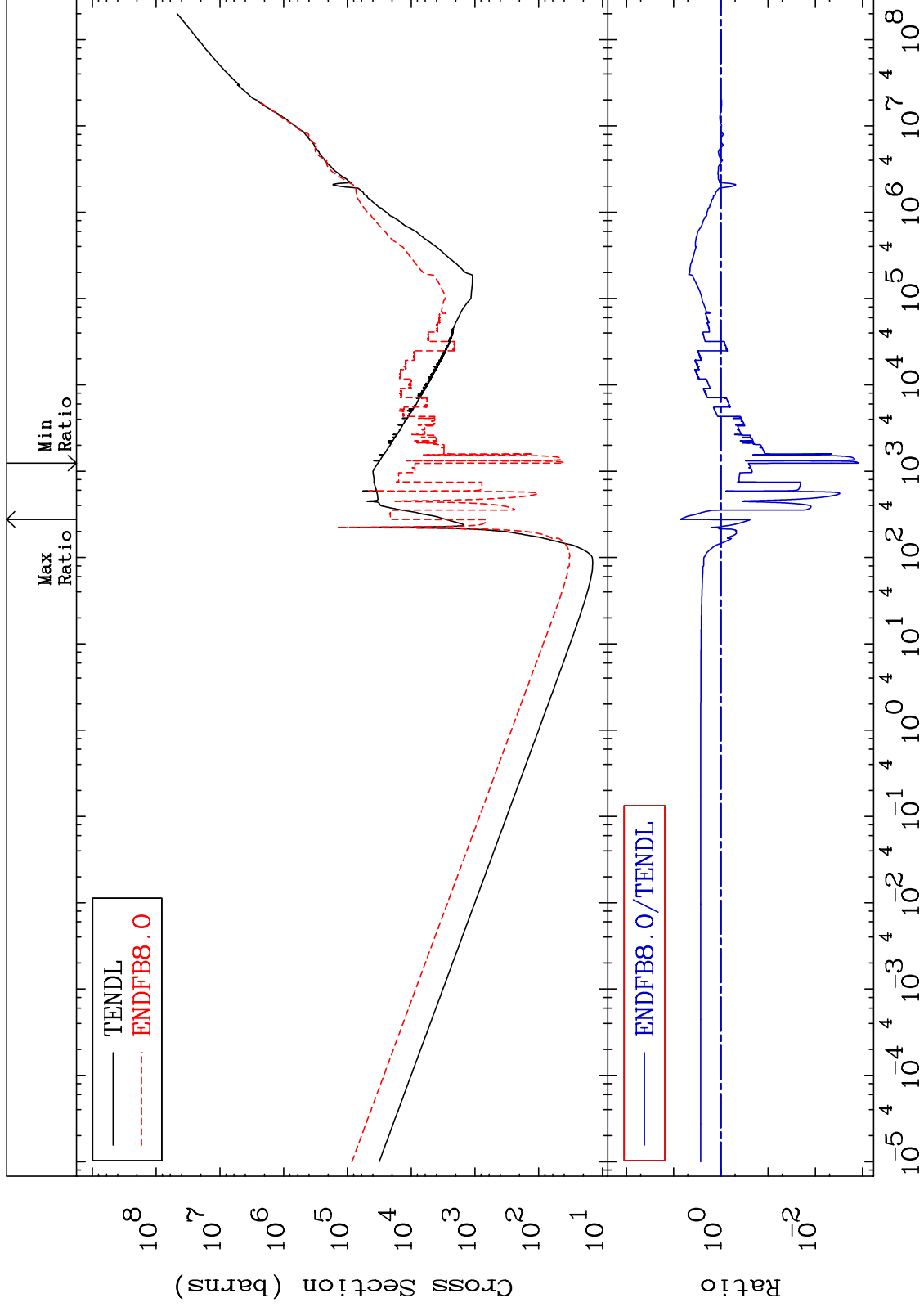


MAT 3034

Kerma non-elastic (all but mt2)  
Cross Section

30-Zn-67

-99.88 To 633.8 %



39

Incident Energy (eV)

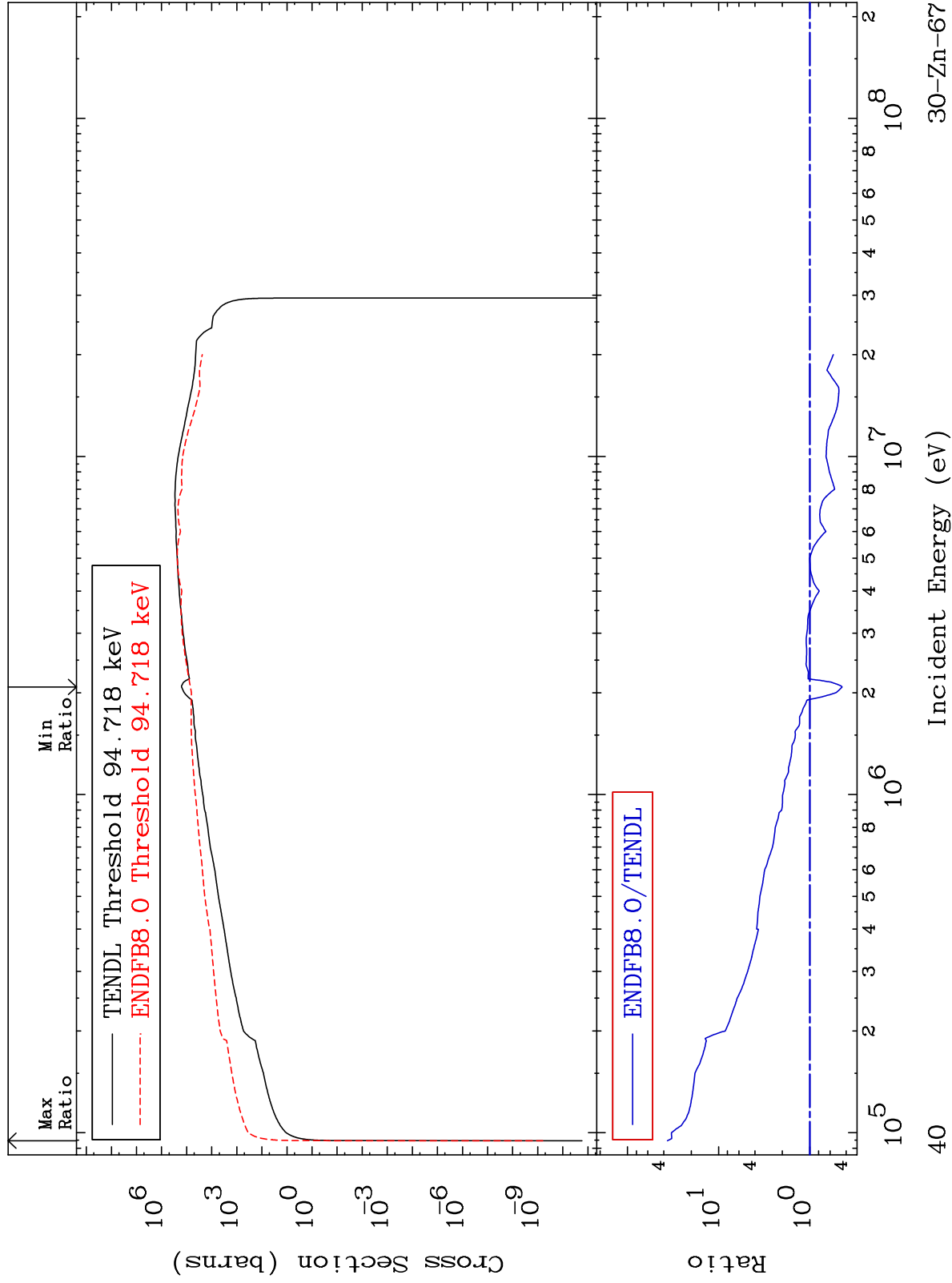
30-Zn-67



MAT 3034

Kerma inelastic (mt51-91)  
Cross Section

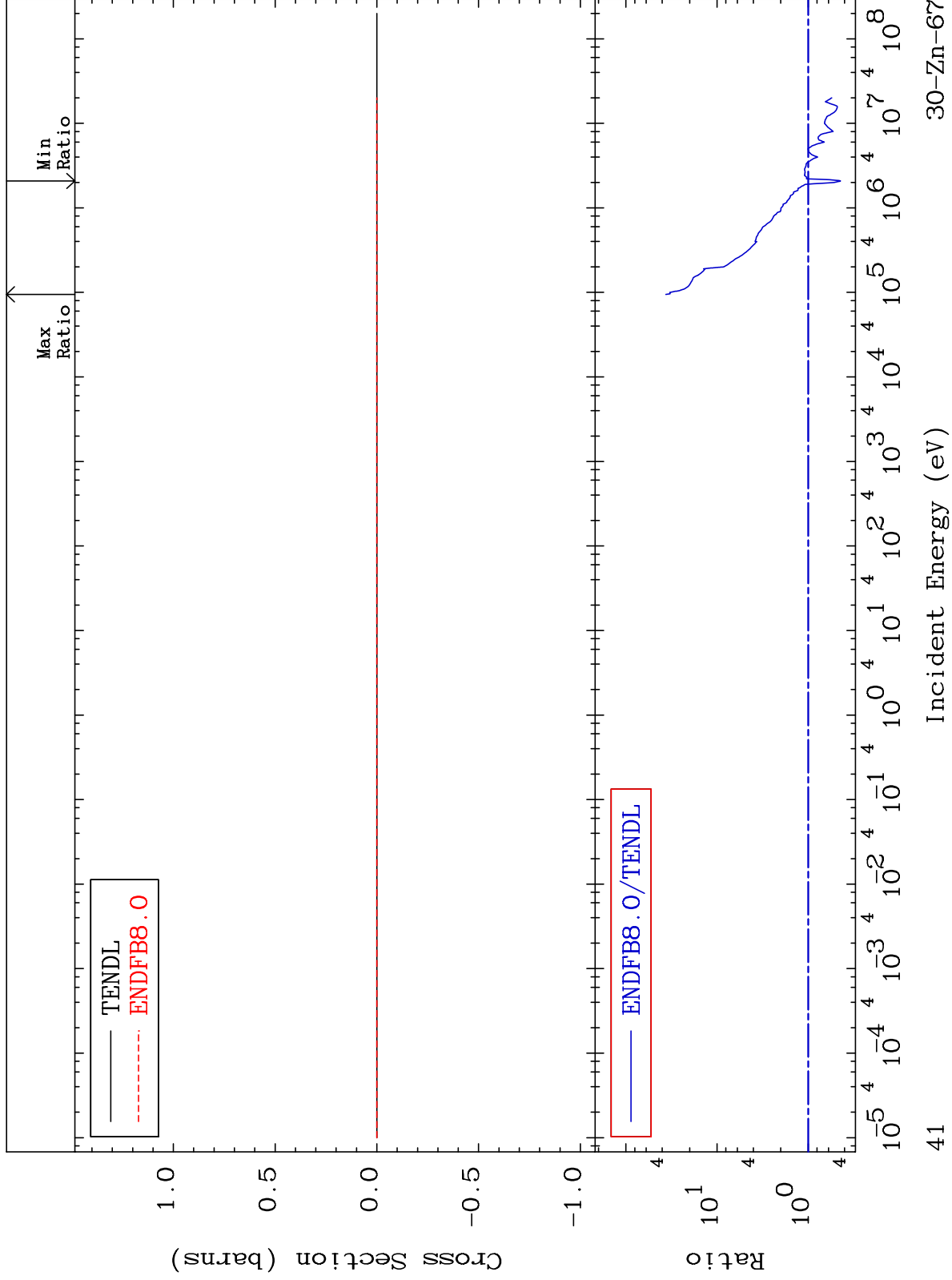
30-Zn-67  
-55.78 To 3546. %



MAT 3034

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

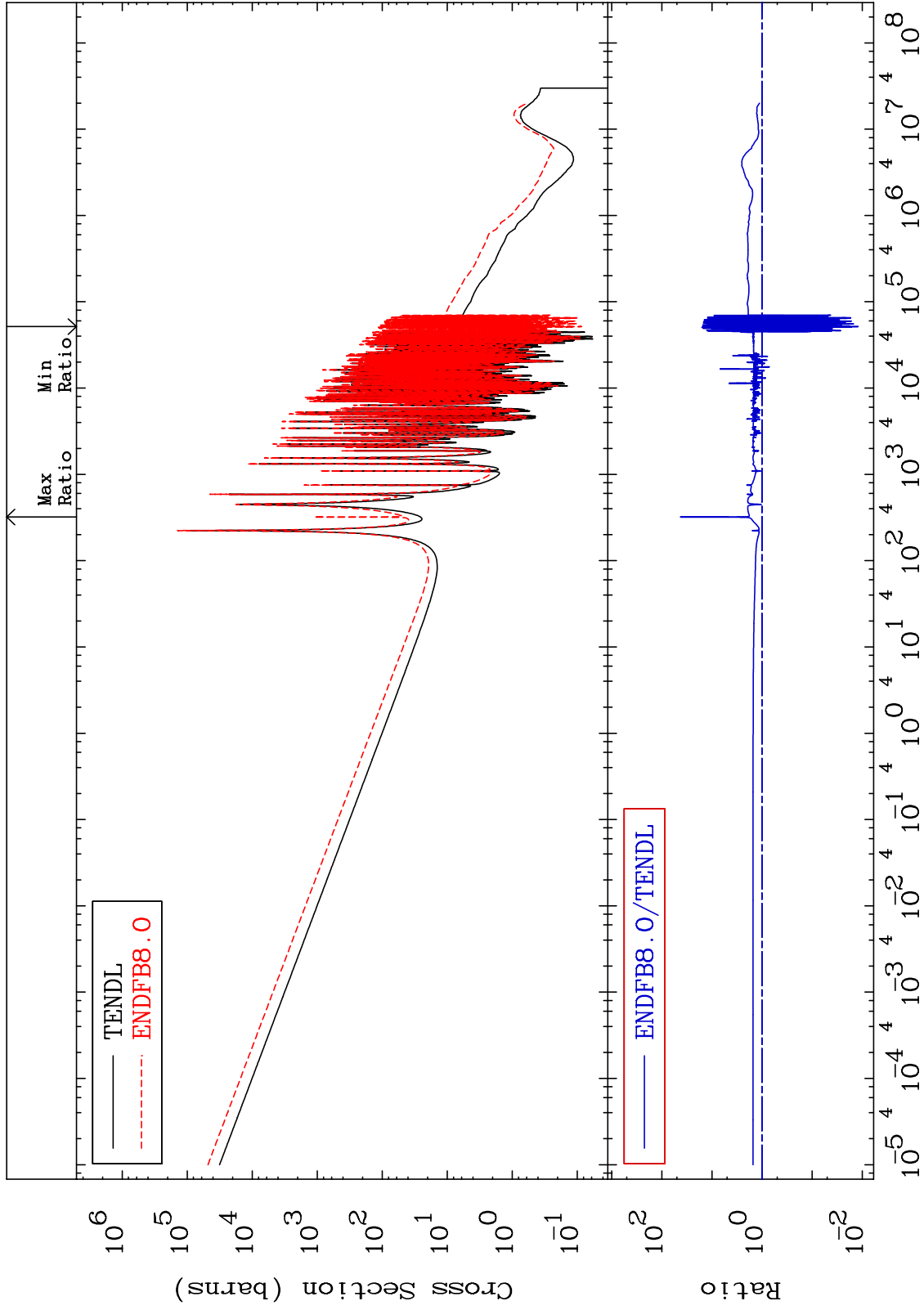
30-Zn-67  
-55.78 To 3546. %



MAT 3034

Kerma capture (mt102)  
Cross Section

30-Zn-67  
-98.80 To 4231. %



42

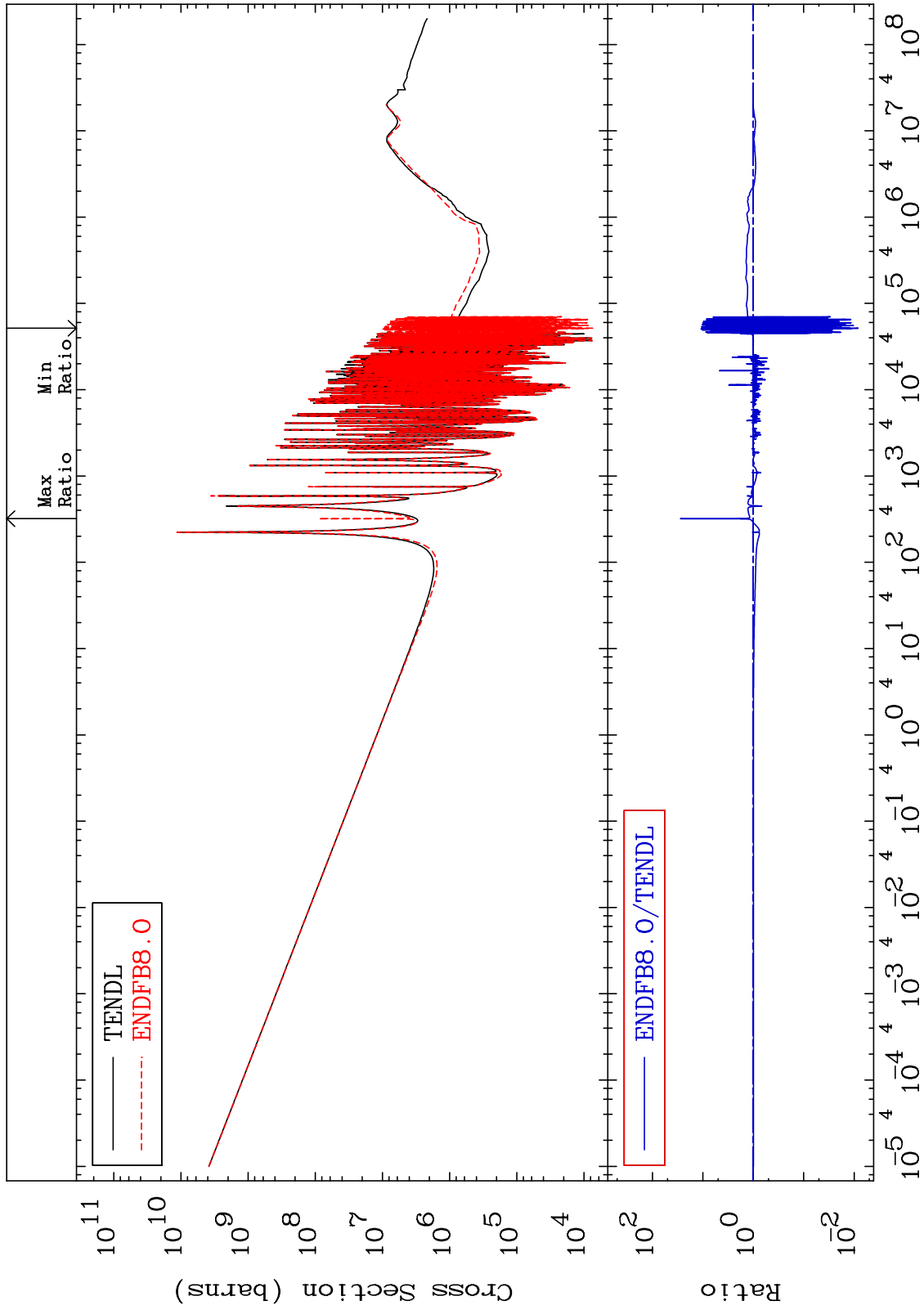
Incident Energy (eV)

30-Zn-67

MAT 3034

Total photon (eV-barns)  
Cross Section

30-Zn-67  
-99.18 To 2736. %



43

Incident Energy (eV)

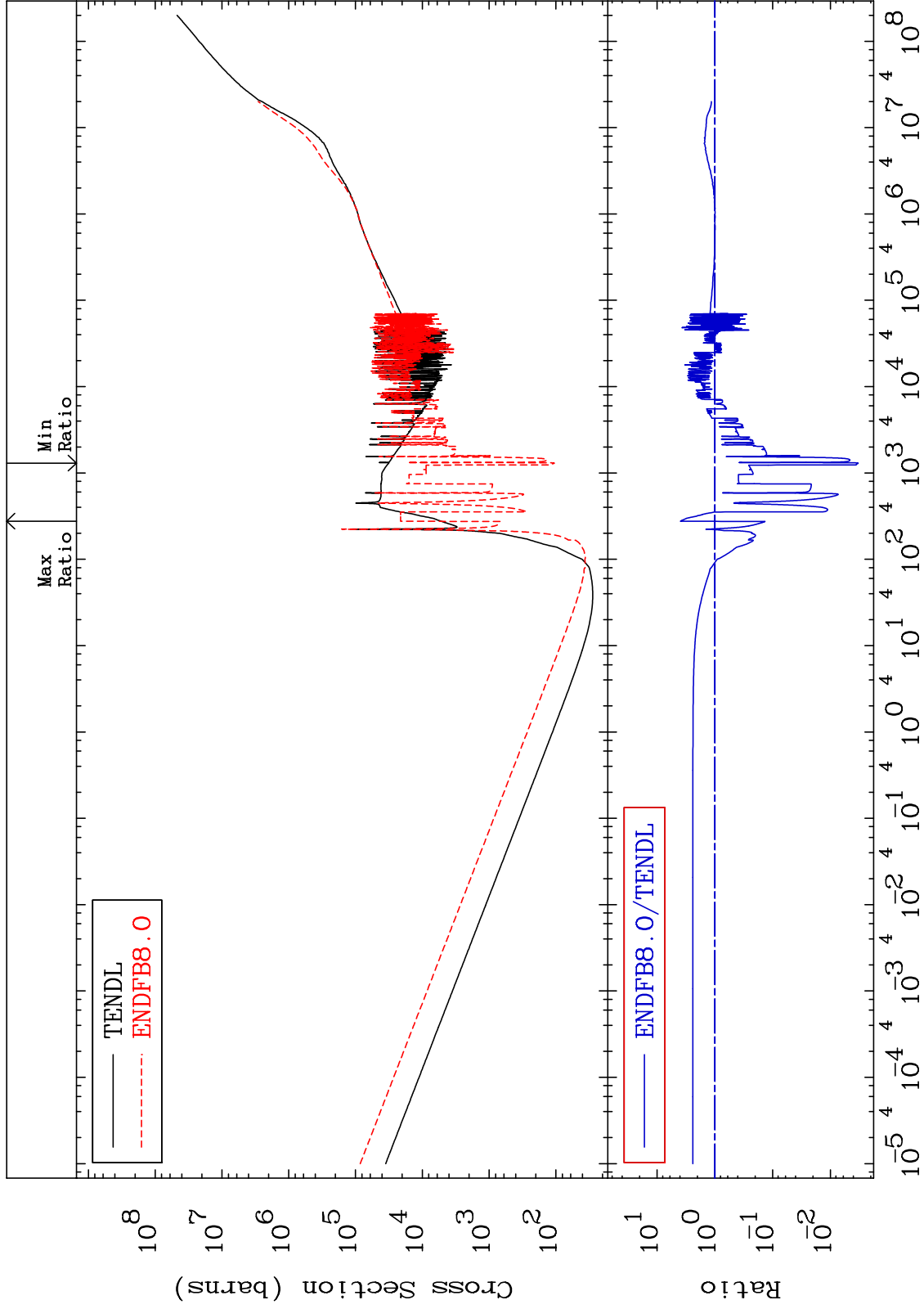
30-Zn-67

MAT 3034

Total kinematic kerma (high limit)  
Cross Section

30-Zn-67

-99.67 To 300.1 %



44

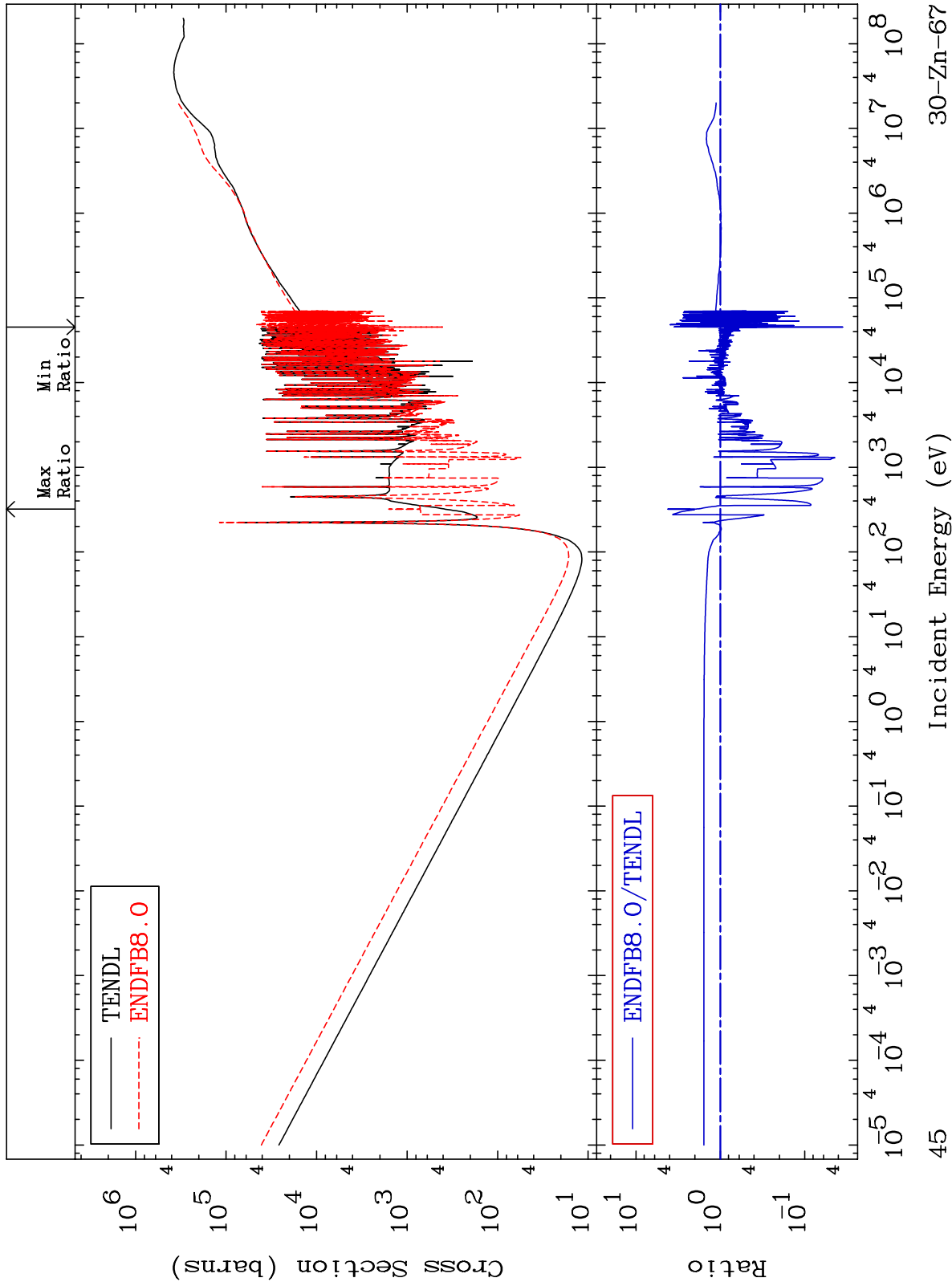
Incident Energy (eV)

30-Zn-67

MAT 3034

Dpa total (eV-barns)  
Cross Section

30-Zn-67  
-96.44 To 322.2 %



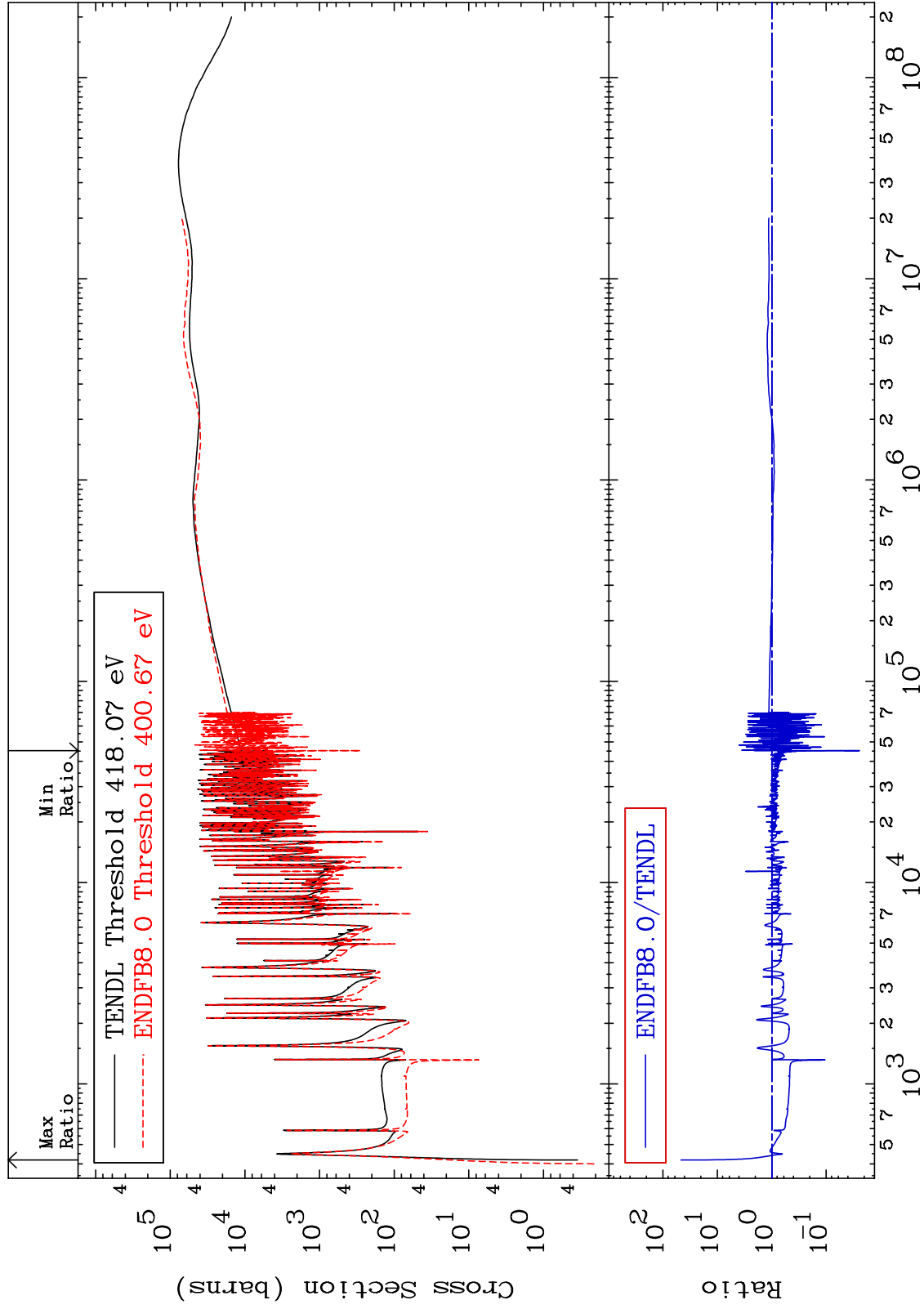
45

30-Zn-67

MAT 3034

Dpa elastic (mt2)  
Cross Section

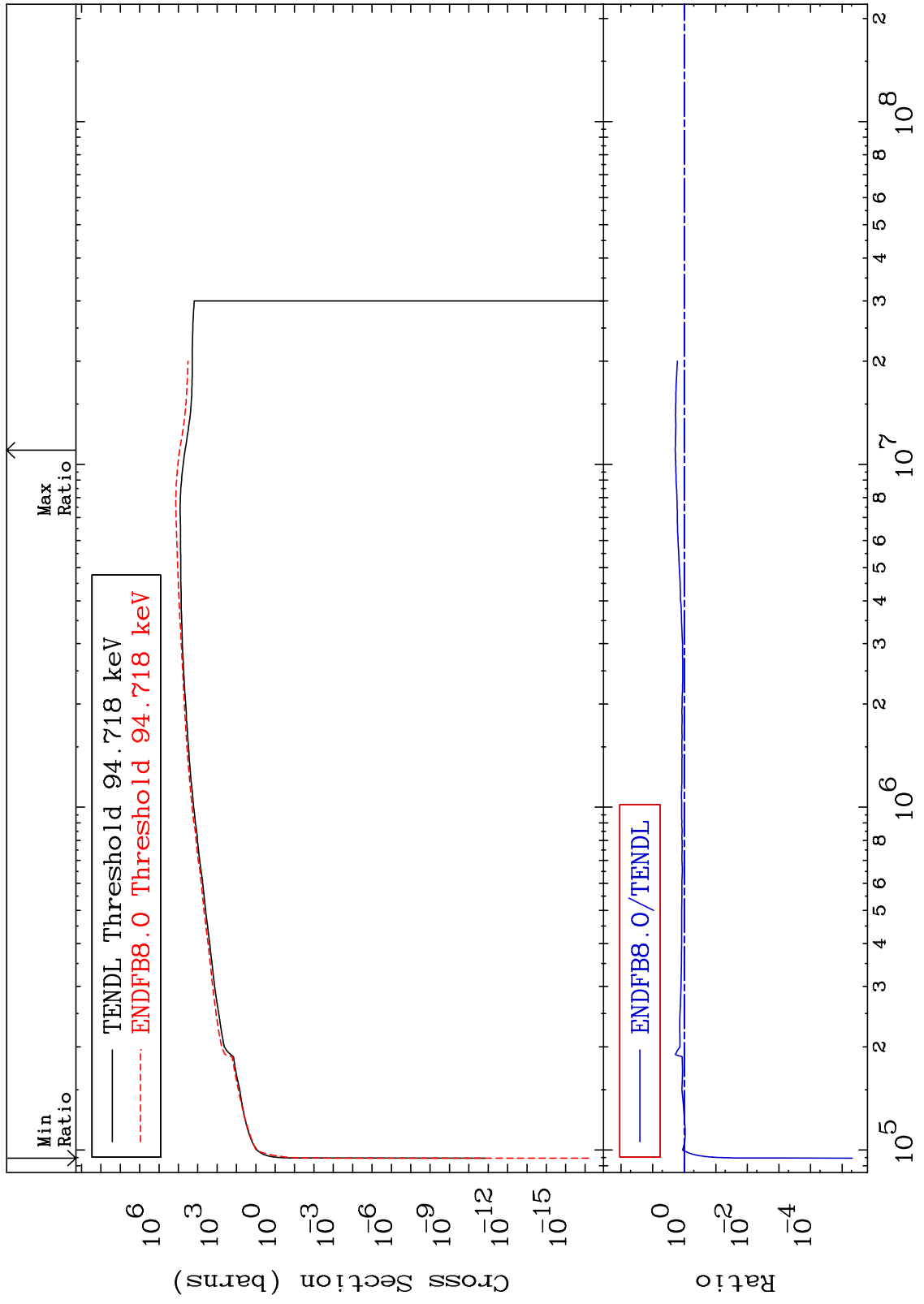
30-Zn-67  
-97.53 To 4527. %



MAT 3034

Dpa inelastic (mt51-91)  
Cross Section

30-Zn-67  
-100.0 To 92.74 %



47

Incident Energy (eV)

30-Zn-67



MAT 3034

Dpa disappearance (mt102 -120)  
Cross Section

30-Zn-67  
-99.67 To 322.2 %

