

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

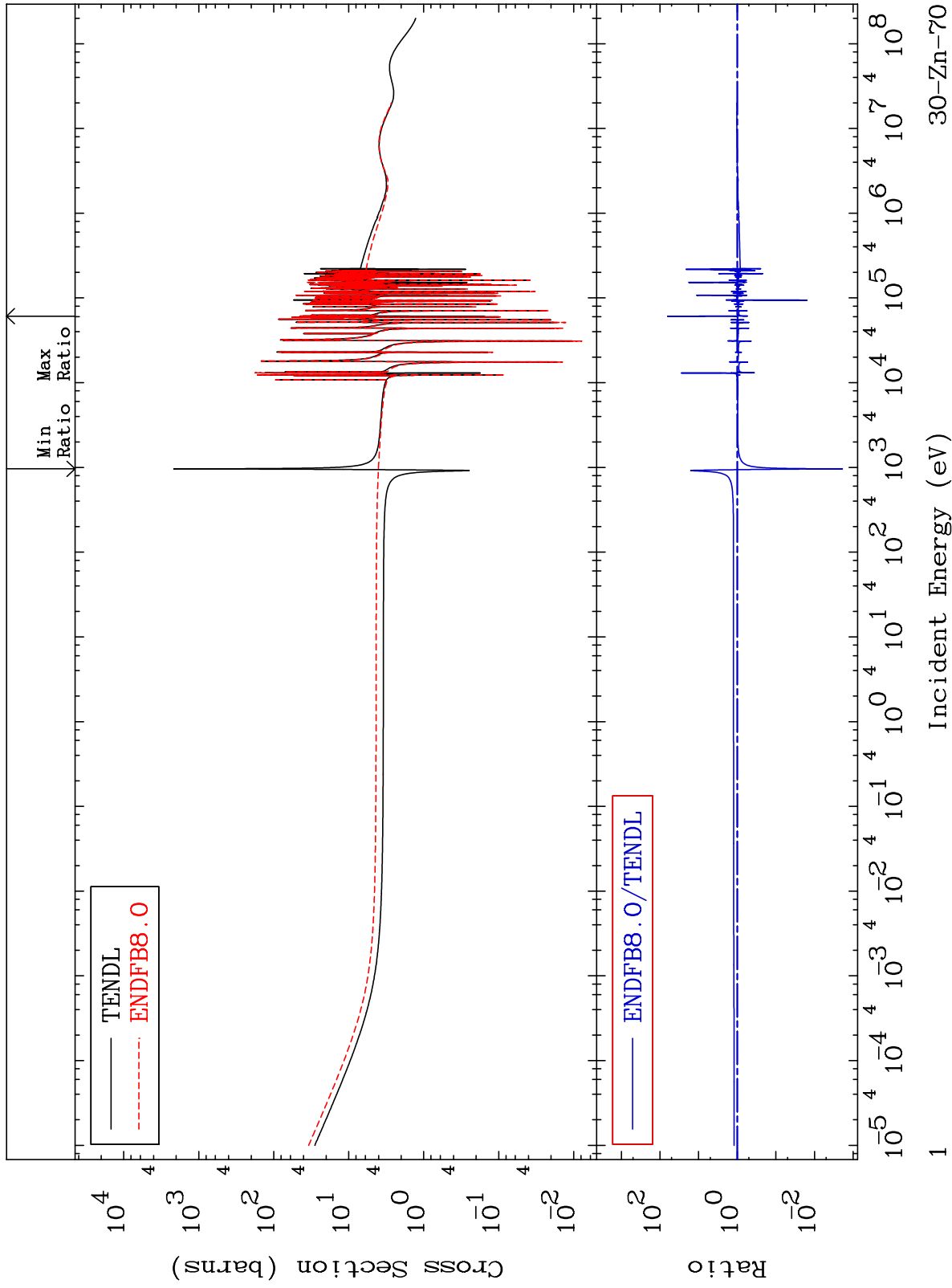
MAT 3043

Total

30-Zn-70

Cross Section

-99.81 To 6281. %



30-Zn-70

Incident Energy (eV)

1

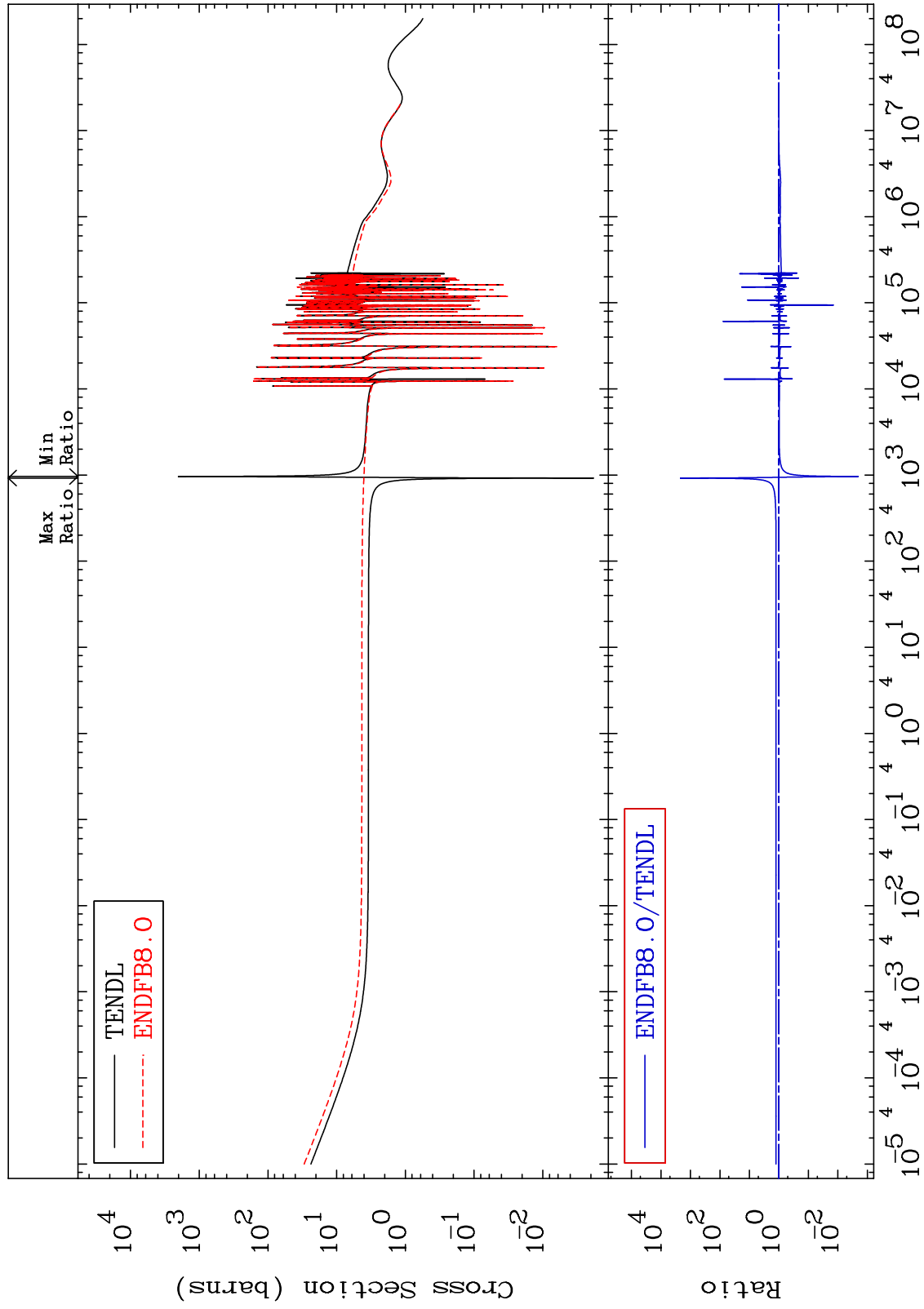
MAT 3043

Elastic

Cross Section

30-Zn-70

-99.80 To 9999. %

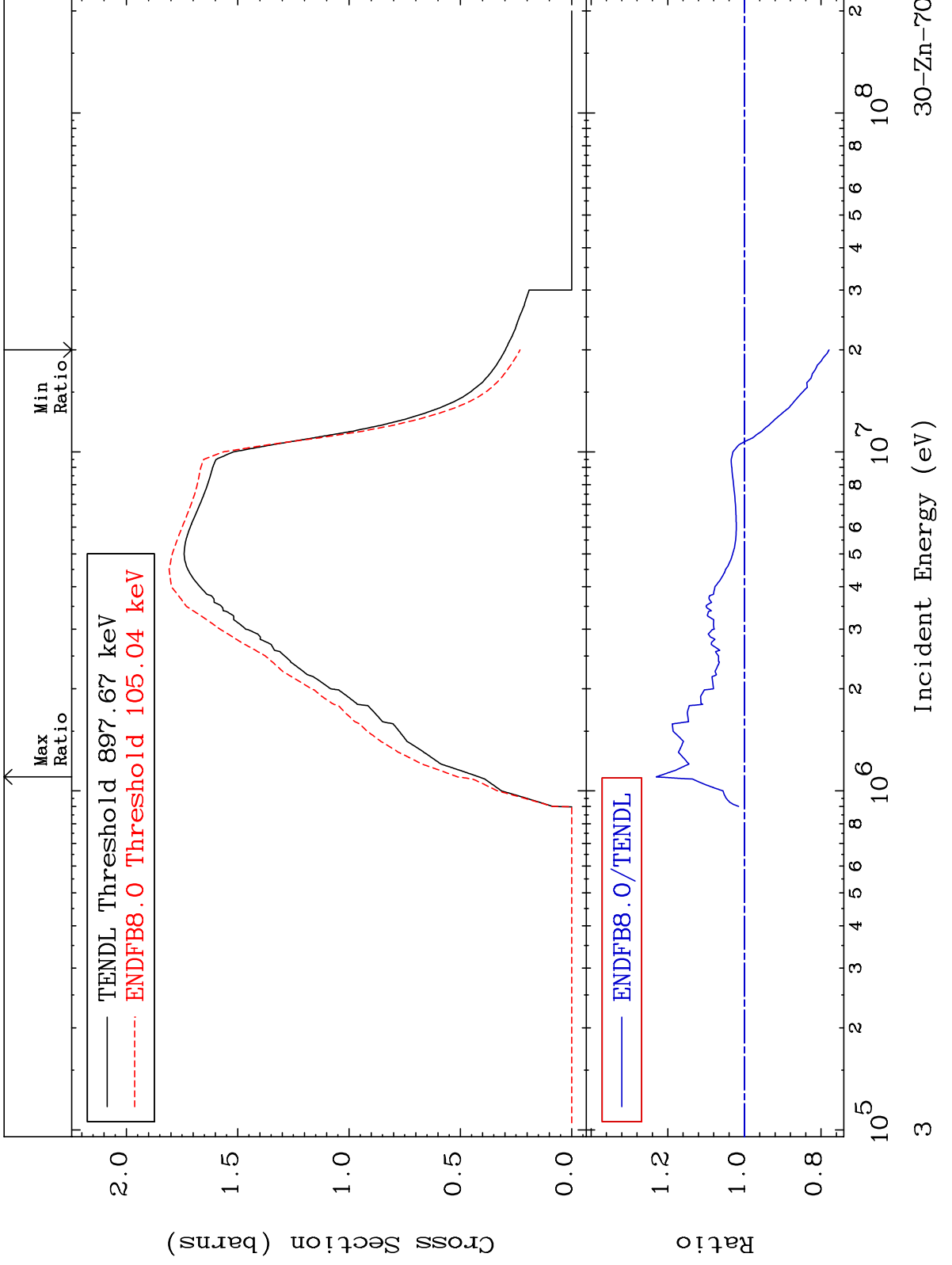


MAT 3043

Inelastic  
Cross Section

30-Zn-70

-22.09 To 22.99 %



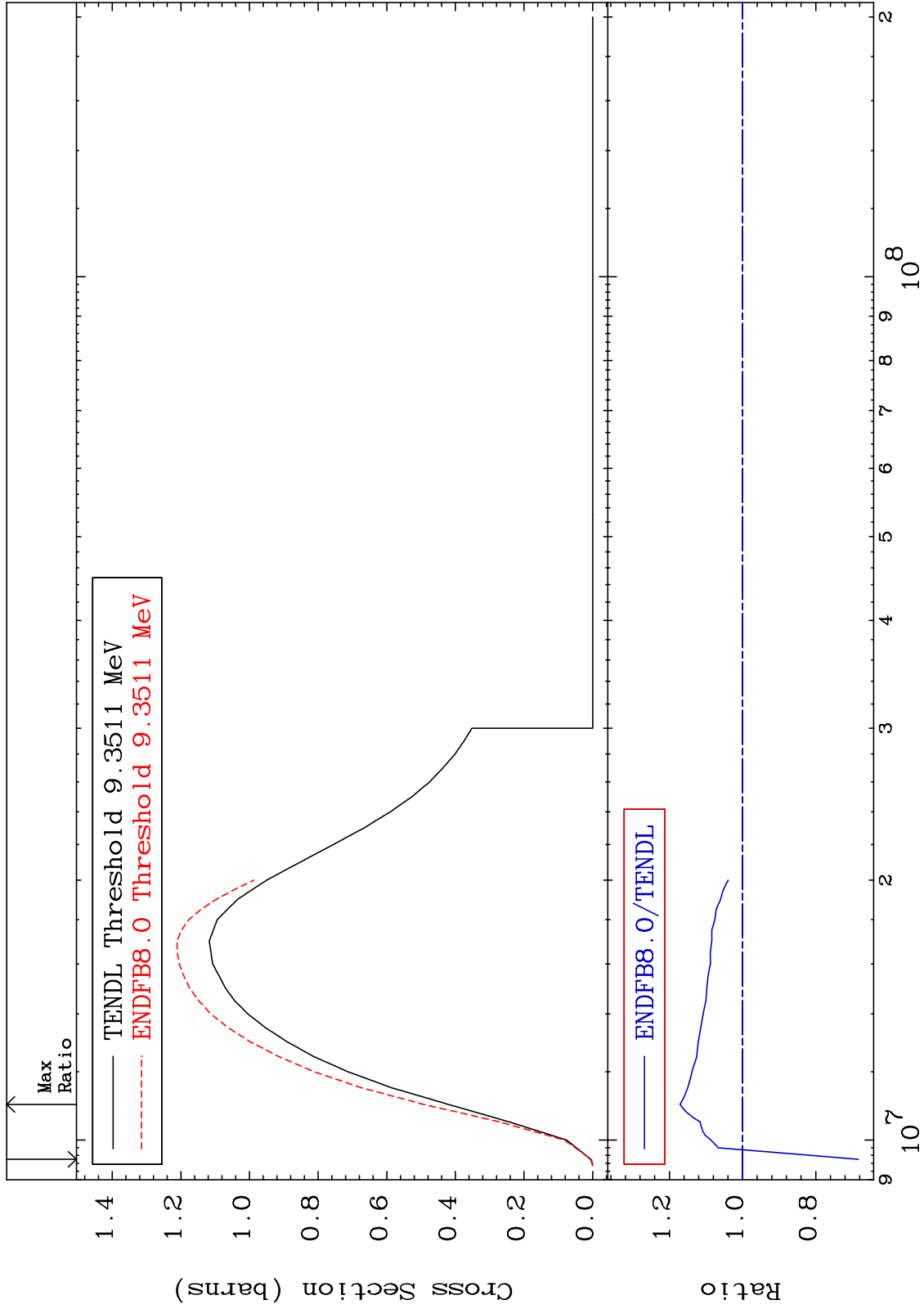
MAT 3043

(n,2n)

30-Zn-70

Cross Section

-31.67 To 17.09 %



30-Zn-70

30-Zn-70

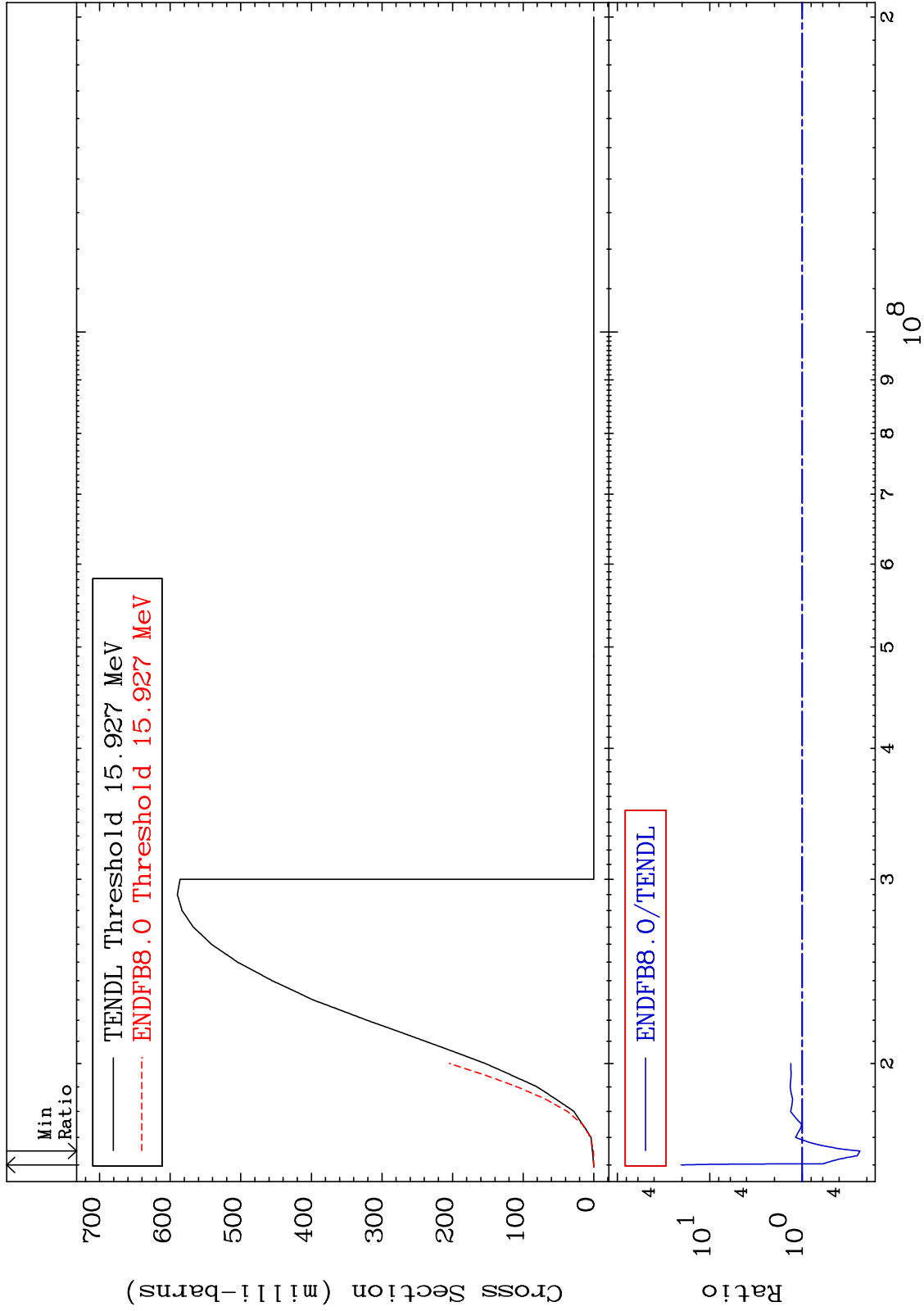
MAT 3043

(n,3n)

30-Zn-70

Cross Section

-76.23 To 1937. %



MAT 3043

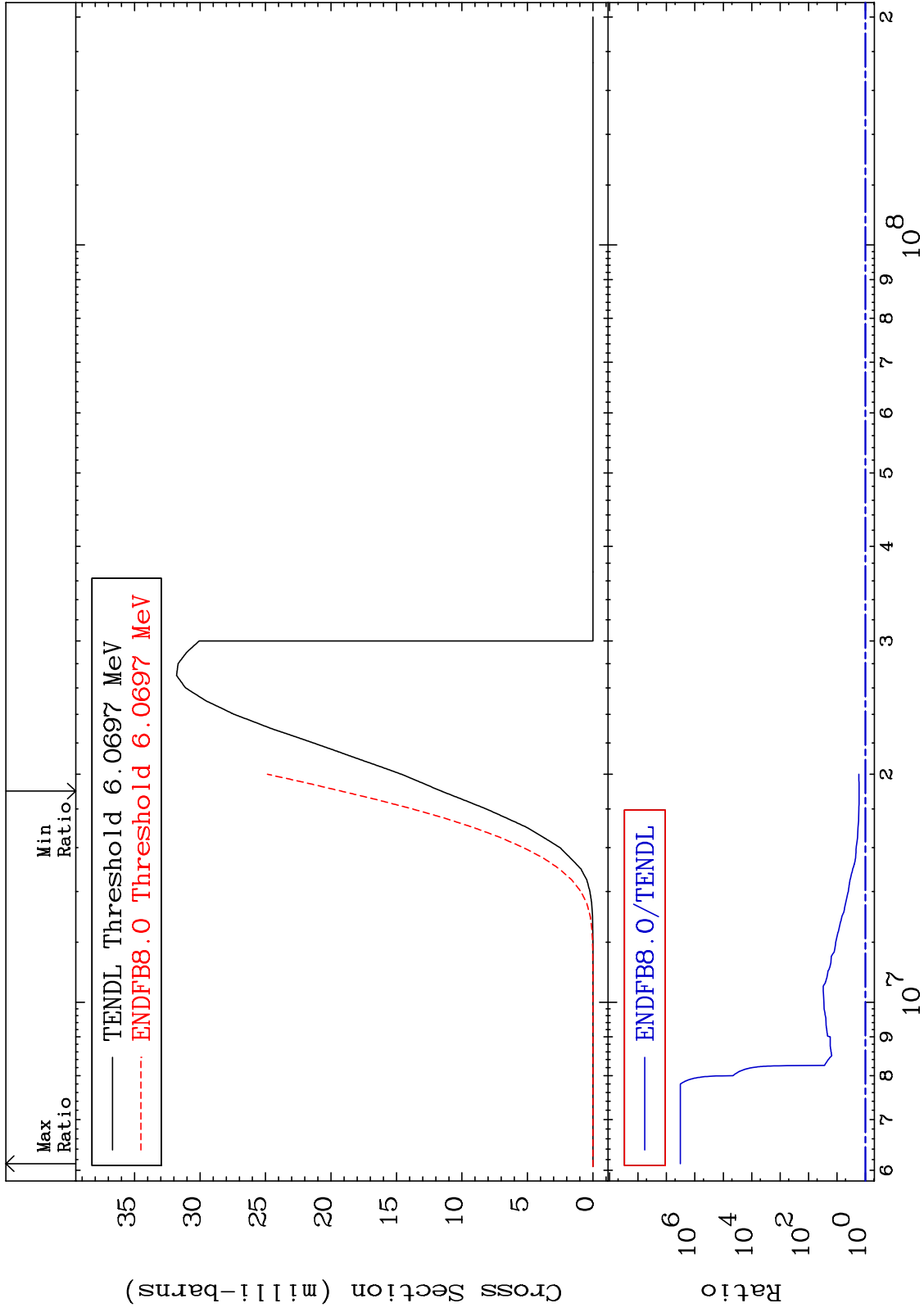
(n,n')  $\alpha$

30-Zn-70

Cross Section

65.85

To 9999. %



6

Incident Energy (eV)

30-Zn-70

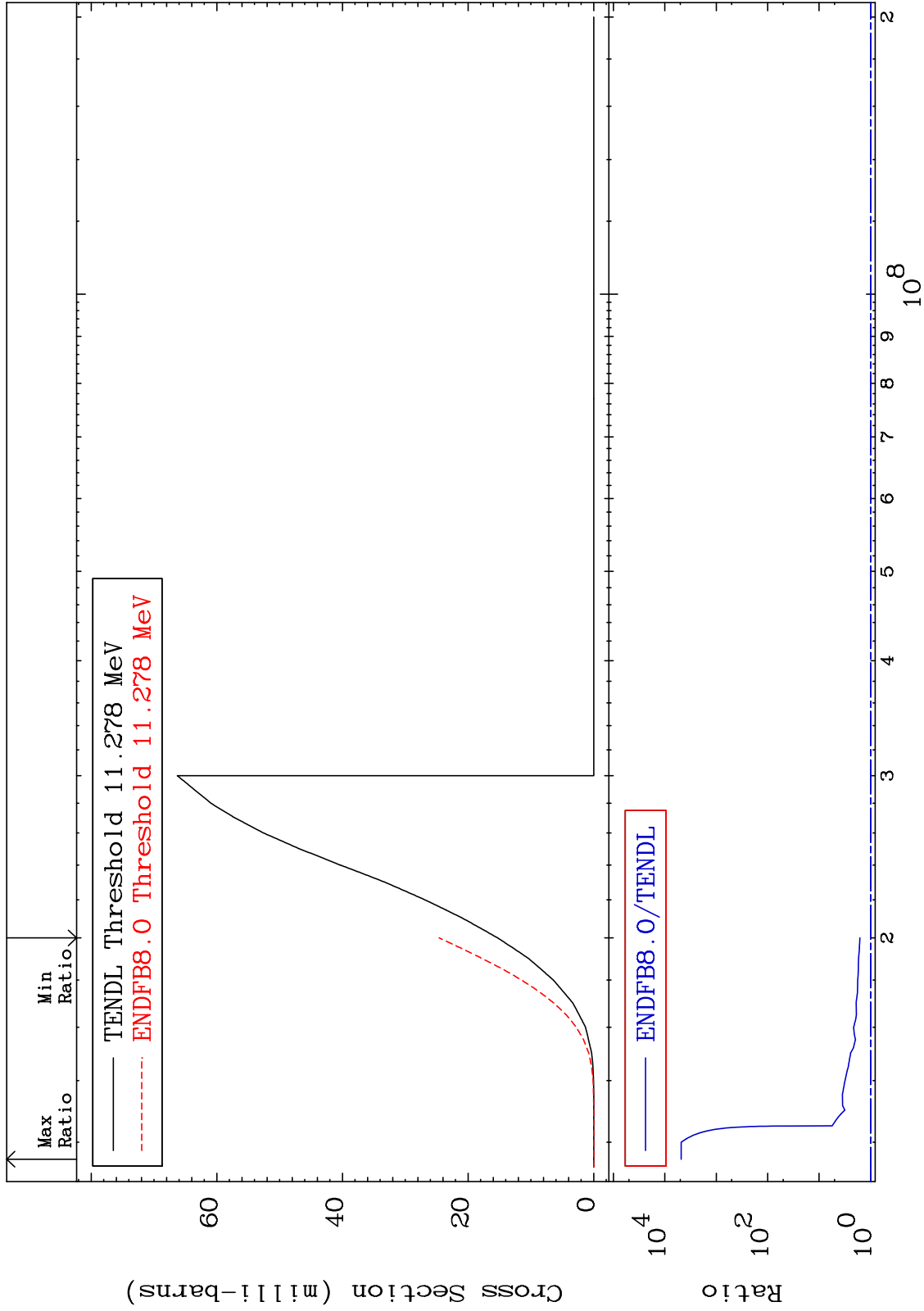
MAT 3043

(n,n') p

30-Zn-70

Cross Section

60.80 To 9999. %





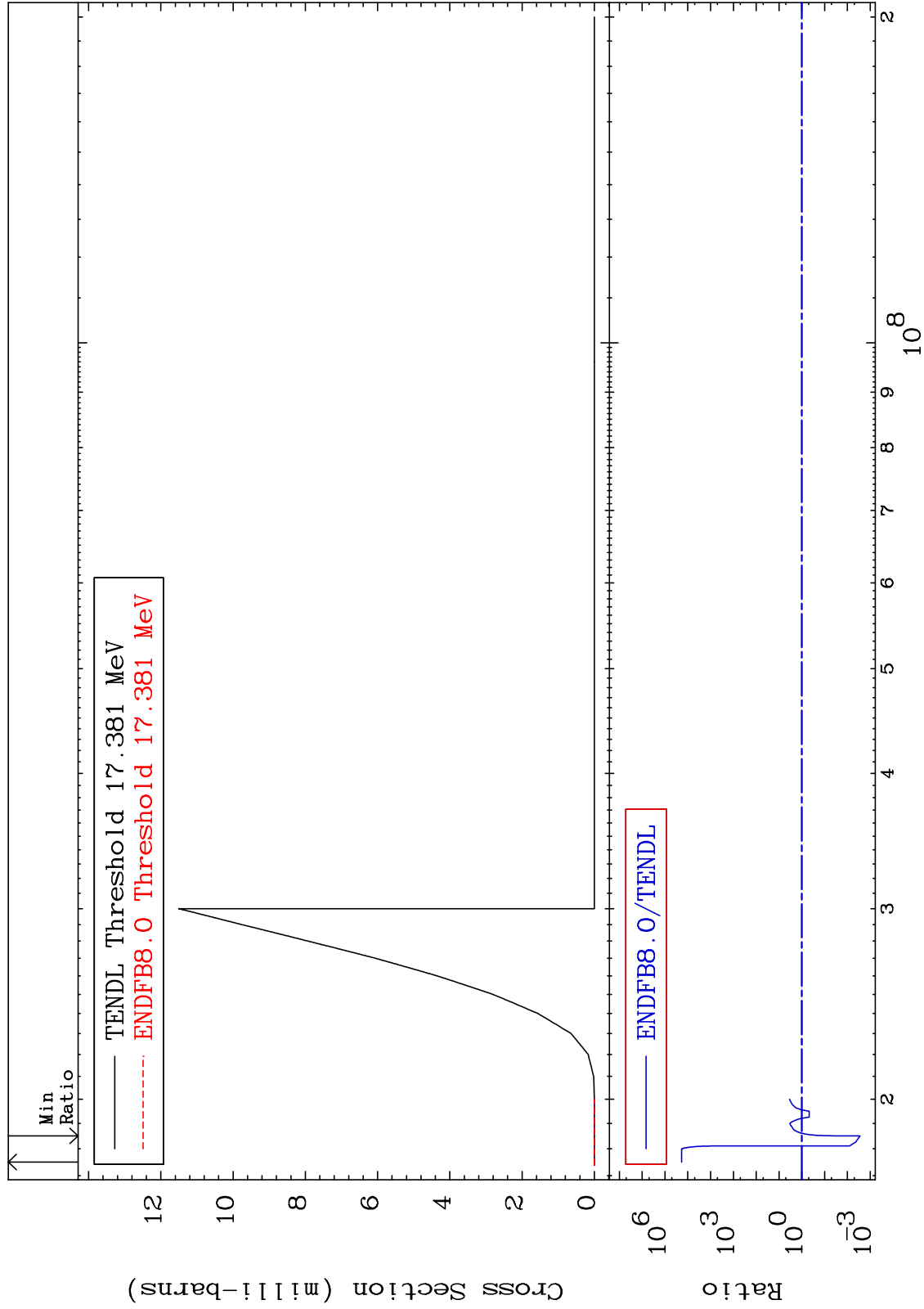
MAT 3043

(n,n') d

30-Zn-70

Cross Section

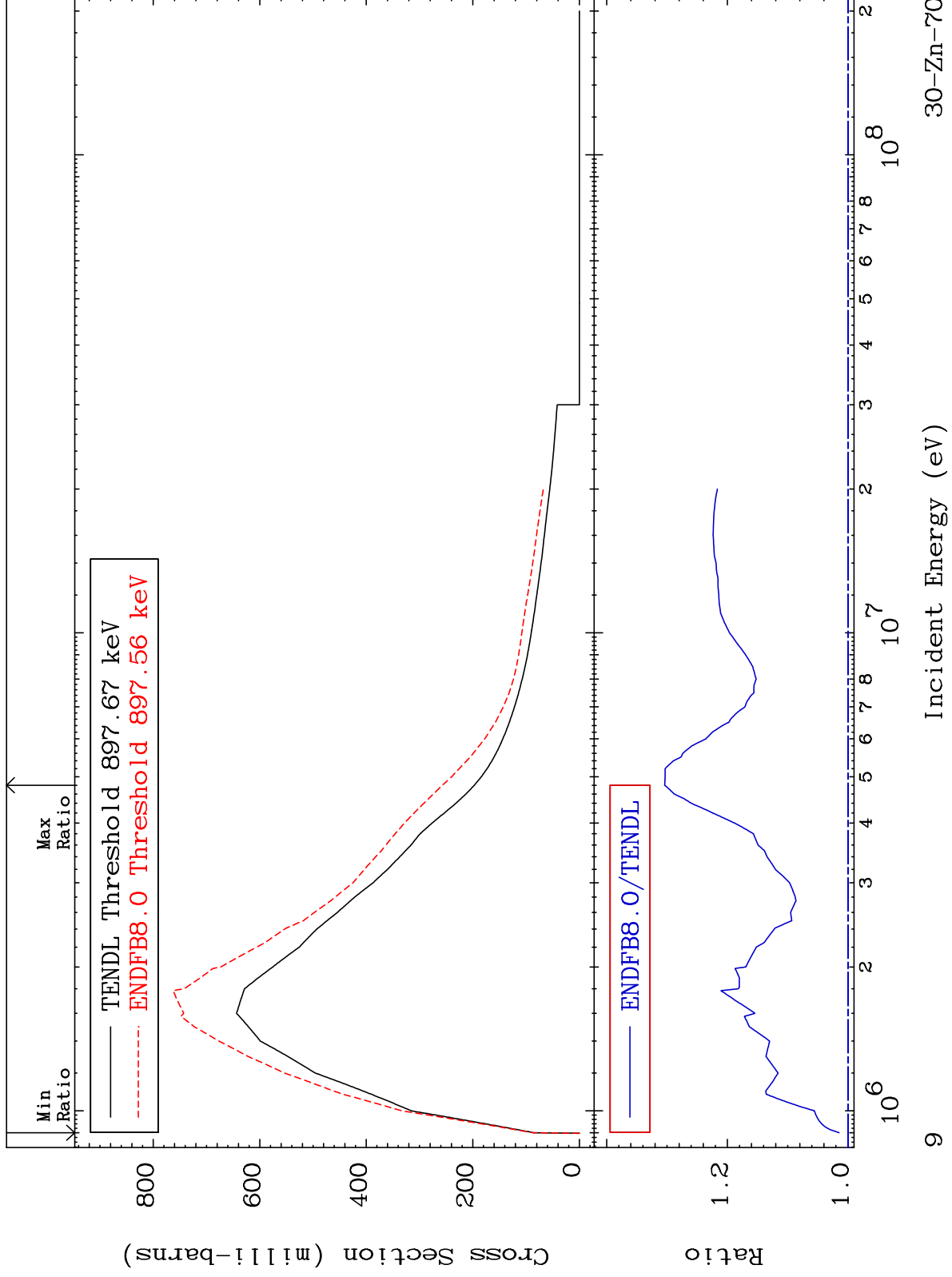
-99.72 To 9999. %



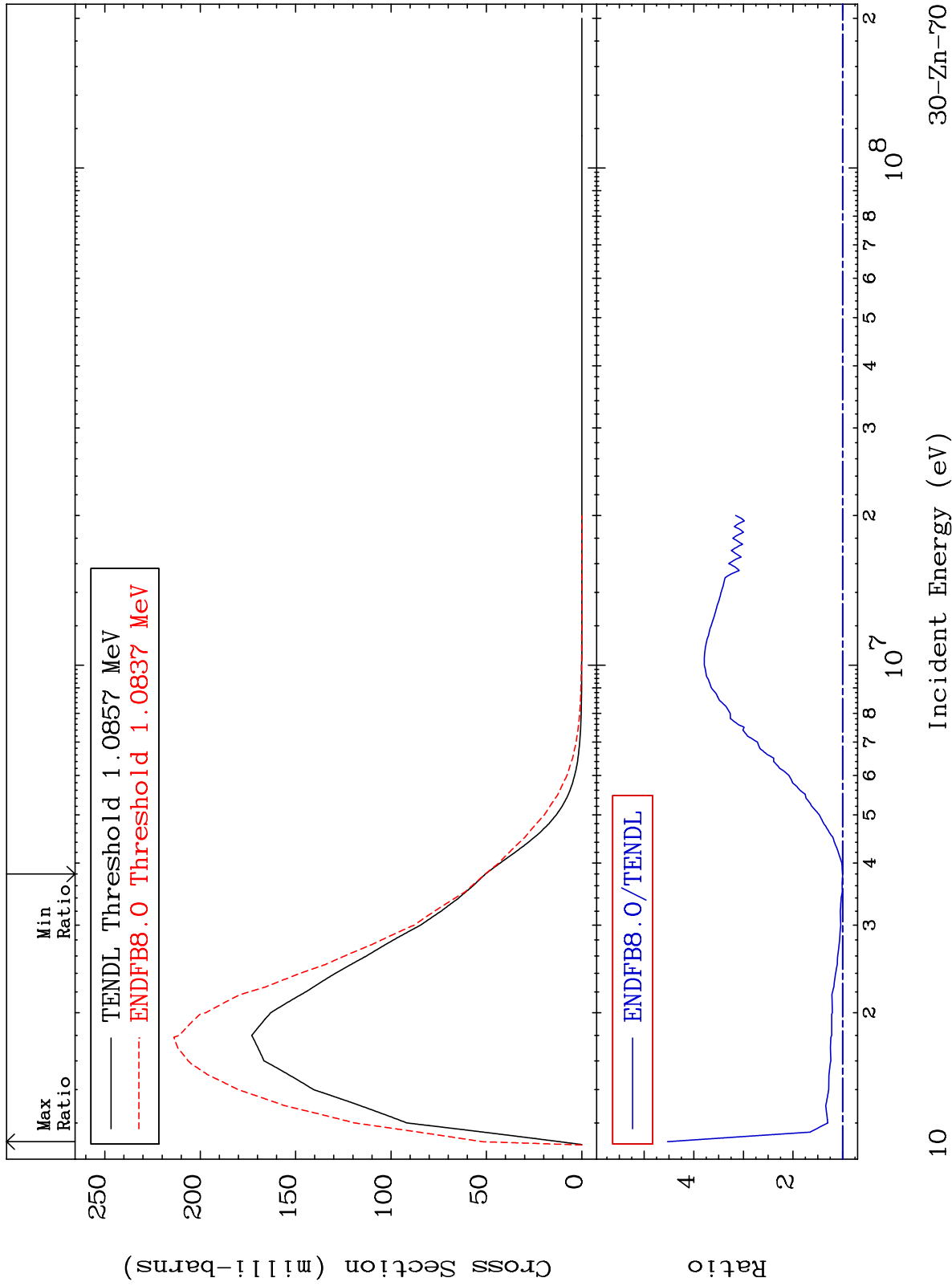
MAT 3043

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

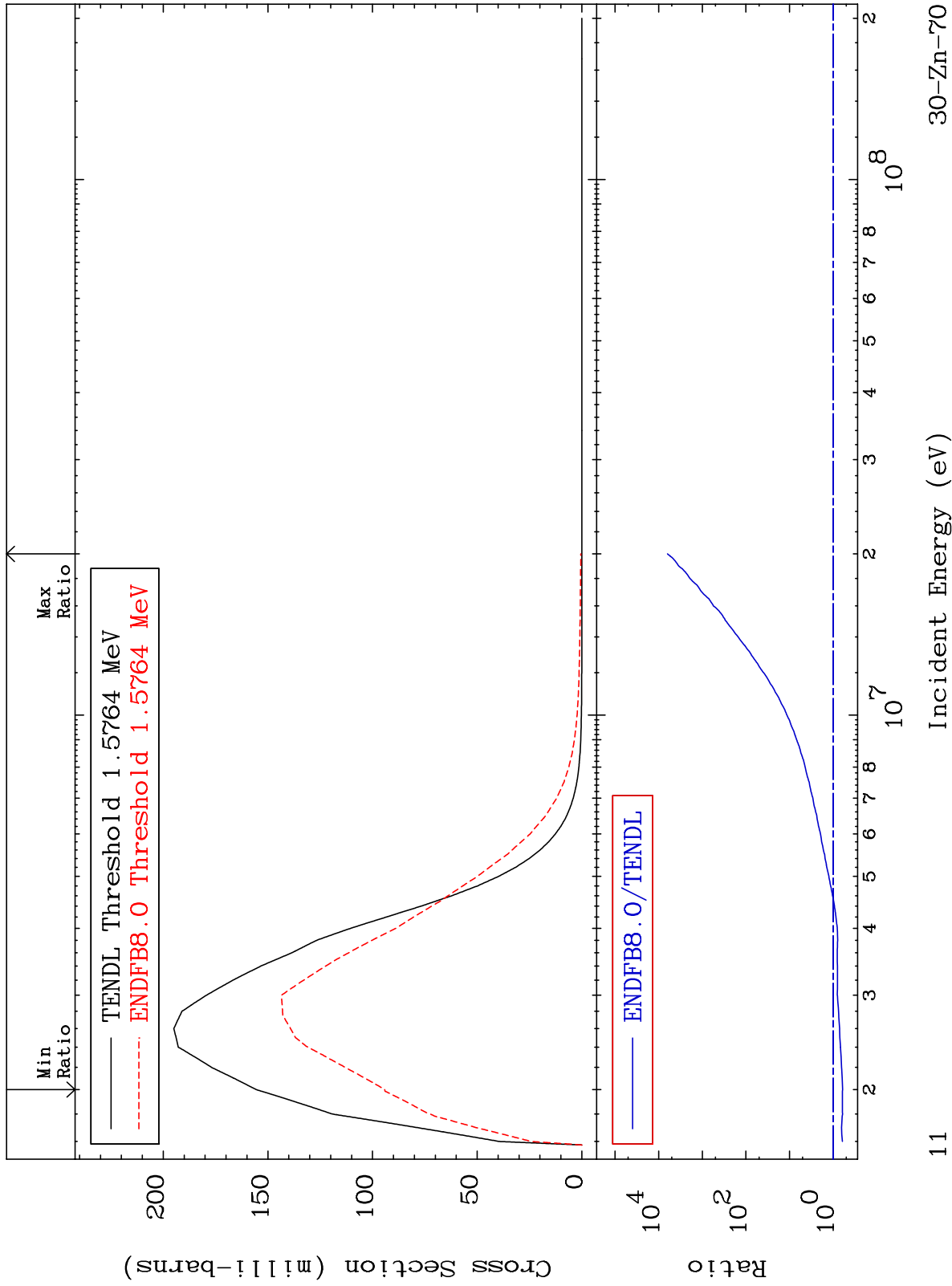
1.479 To 30.39 %  
30-Zn-70



MAT 3043 MT= 52 (n,n') Level  
Cross Section 30-Zn-70  
0.009 To 352.8 %



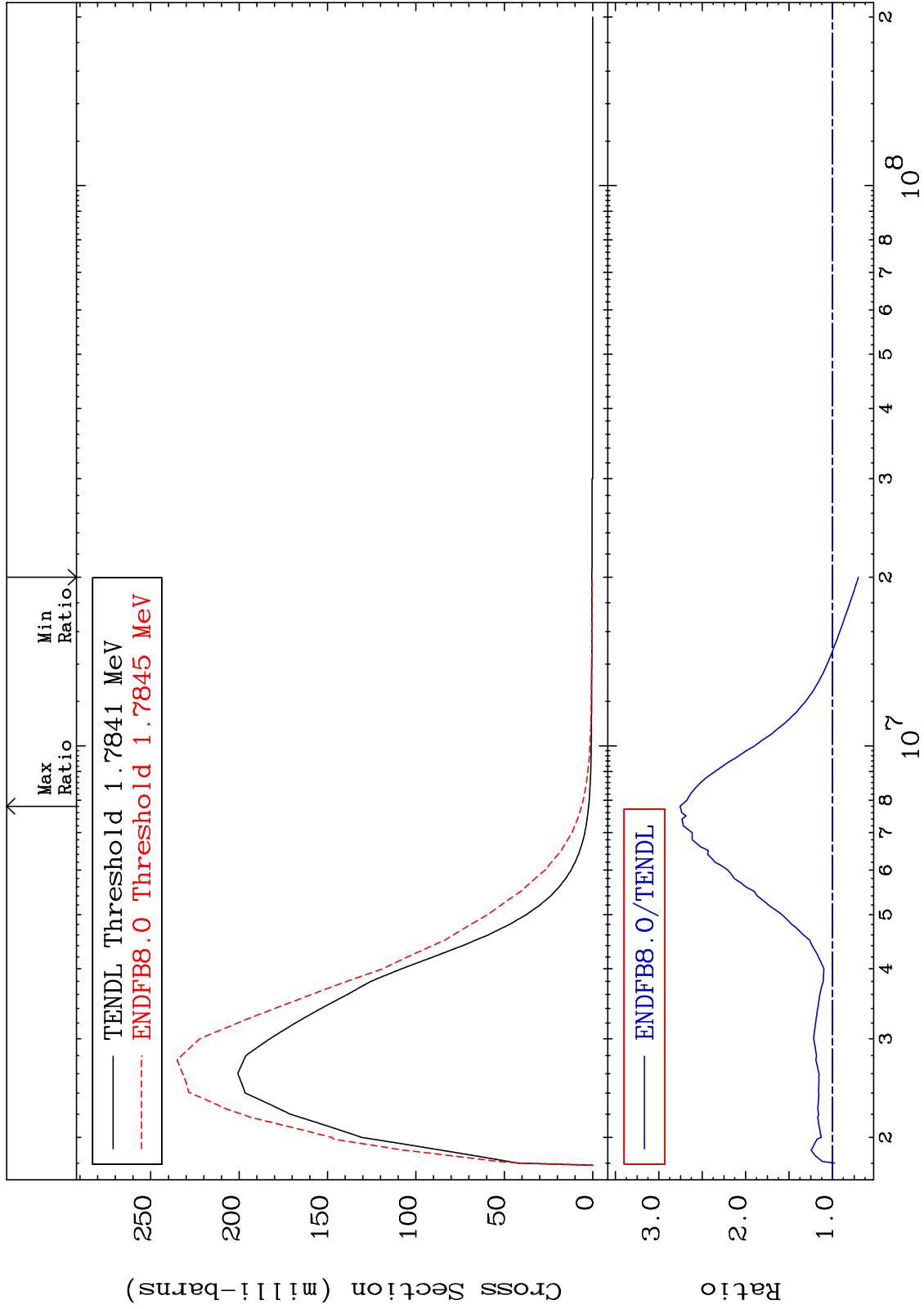
MAT 3043      MT= 53 (n,n') Level      30-Zn-70  
 Cross Section      -39.50 To 9999. %



MAT 3043

MT= 54 (n,n') Level  
Cross Section

30-Zn-70  
-29.84 To 175.6 %



12

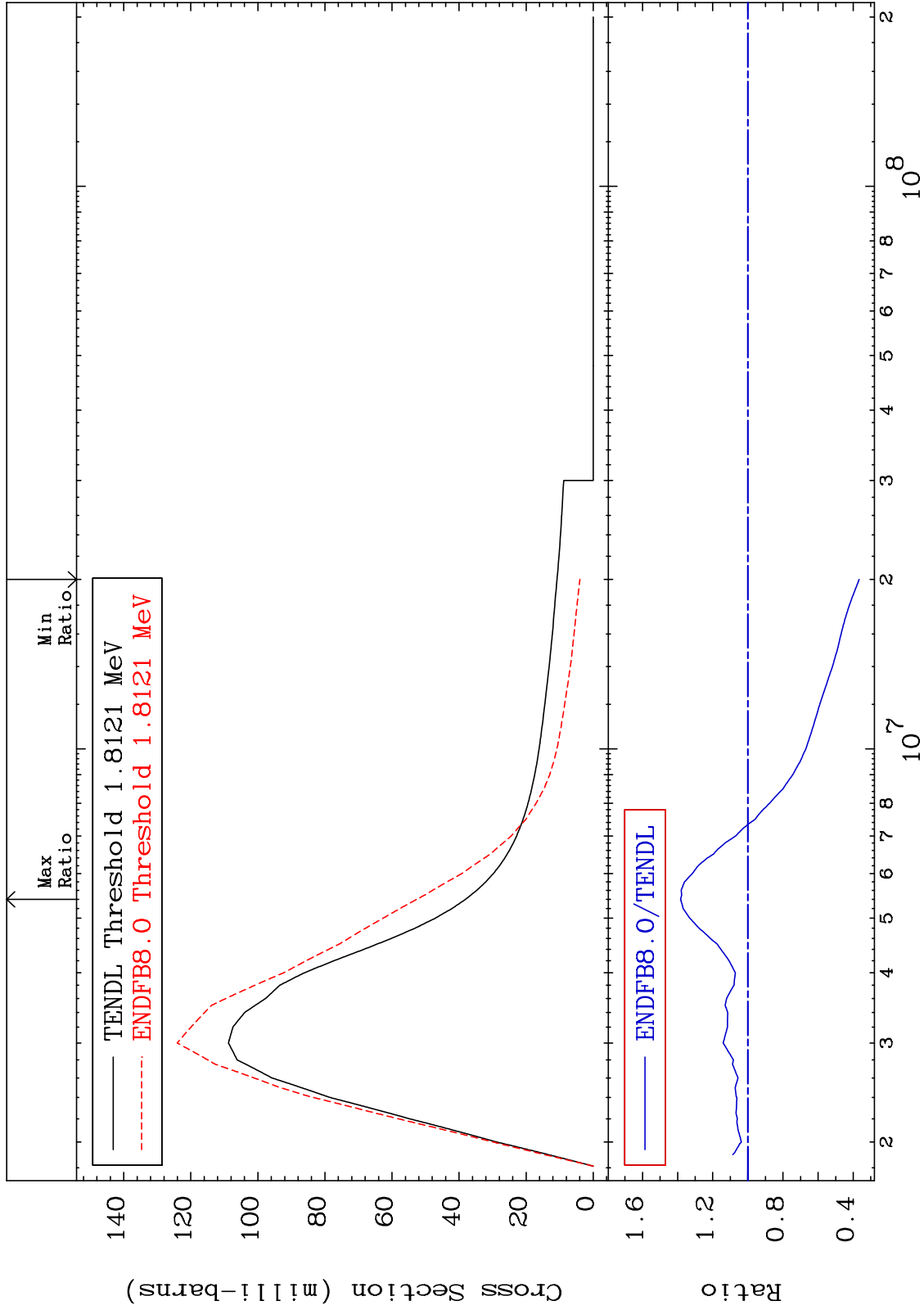
Incident Energy (eV)

30-Zn-70

MAT 3043

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

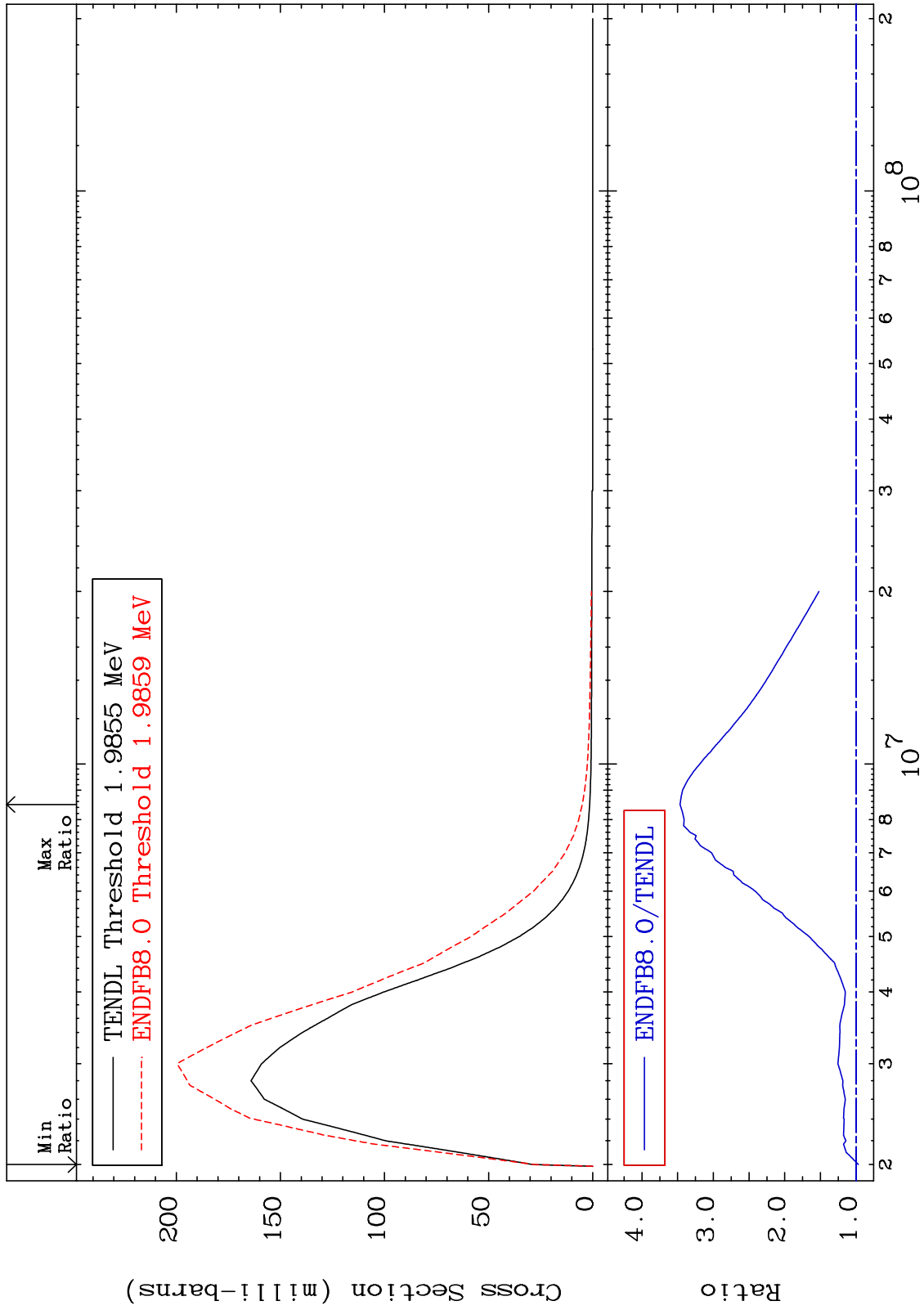
30-Zn-70  
-63.39 To 38.29 %



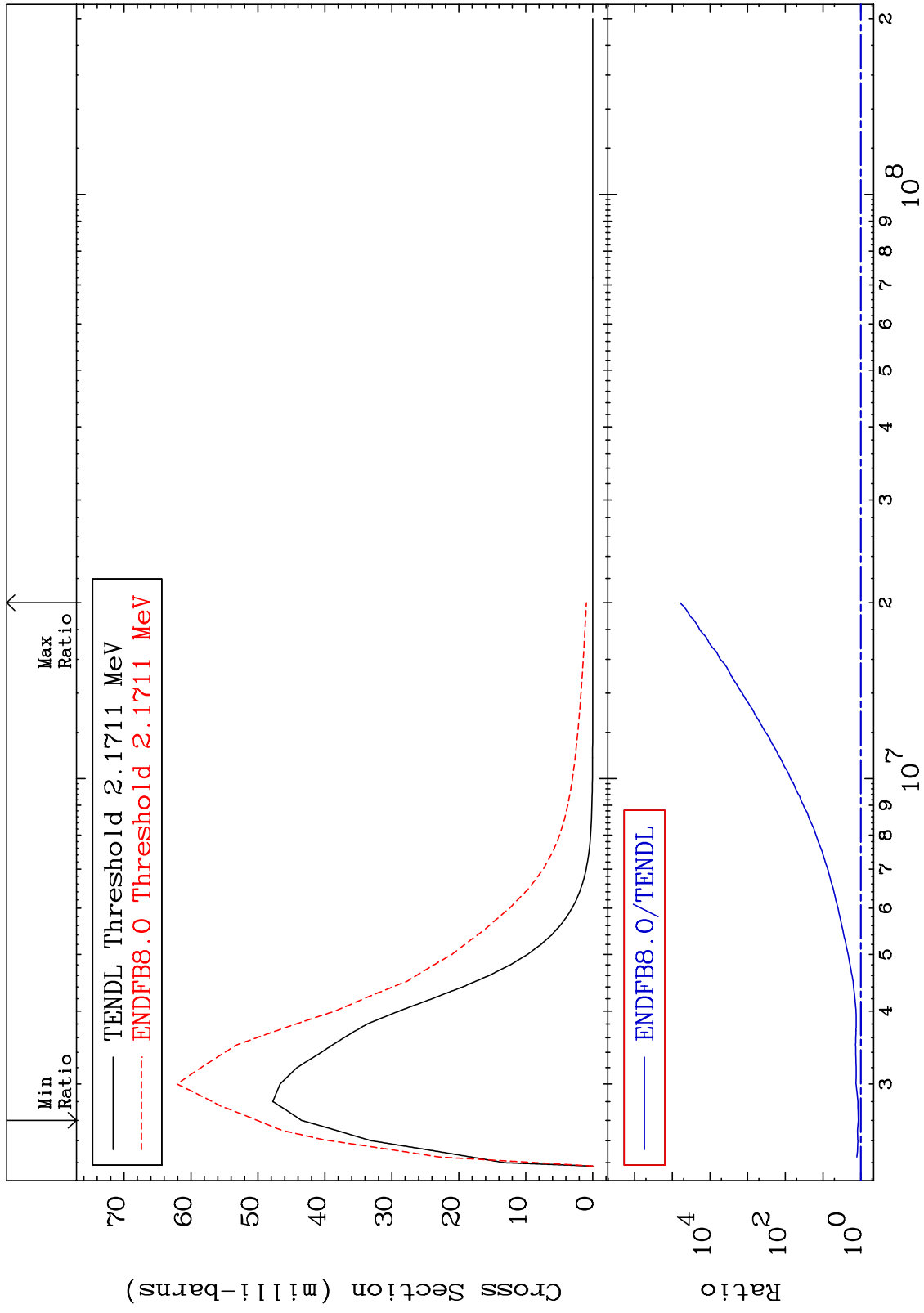
MAT 3043

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

30-Zn-70  
-3.157 To 246.7 %

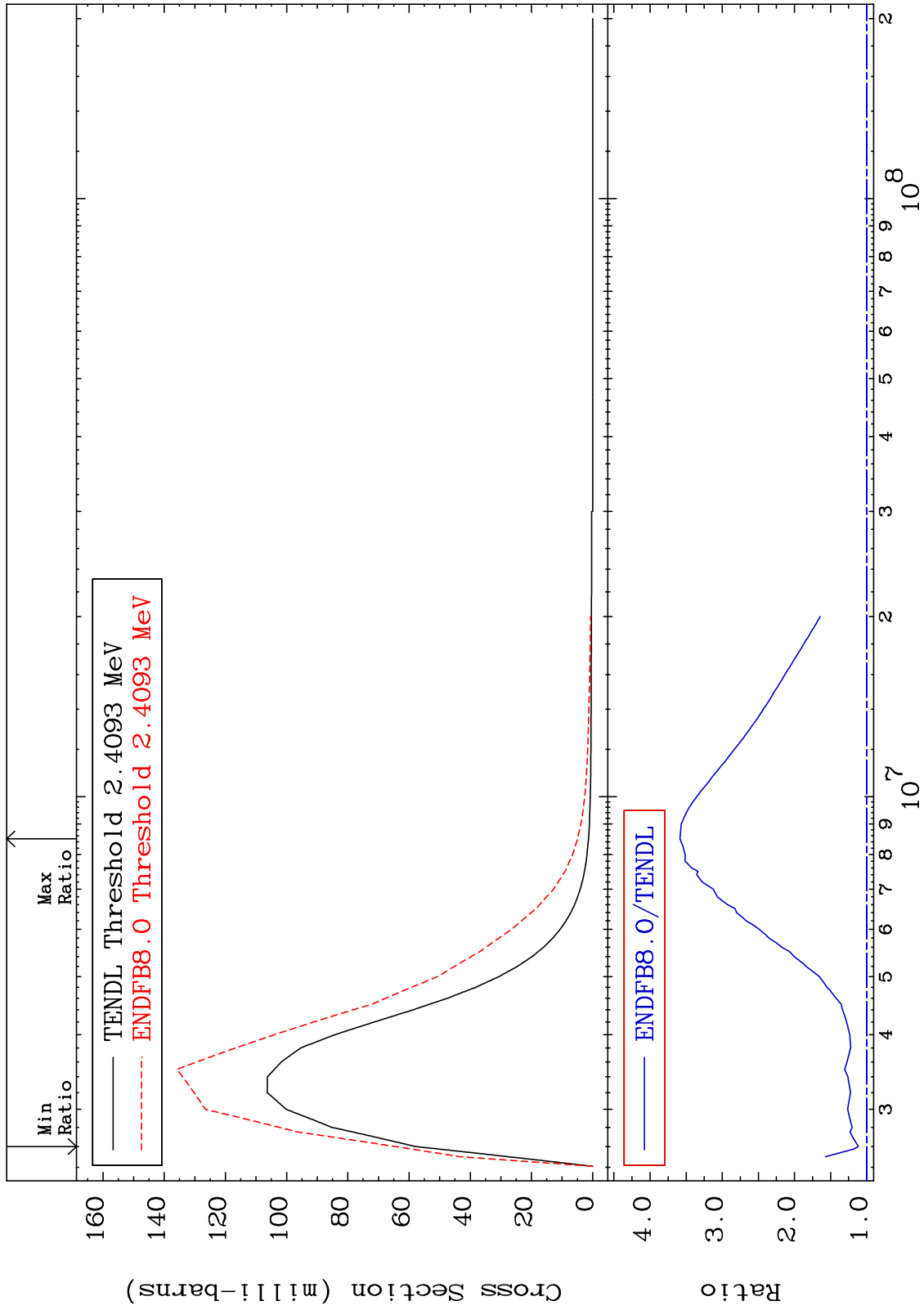


MAT 3043 MT= 57 (n,n') Level Cross Section 15.16 To 9999. % 30-Zn-70





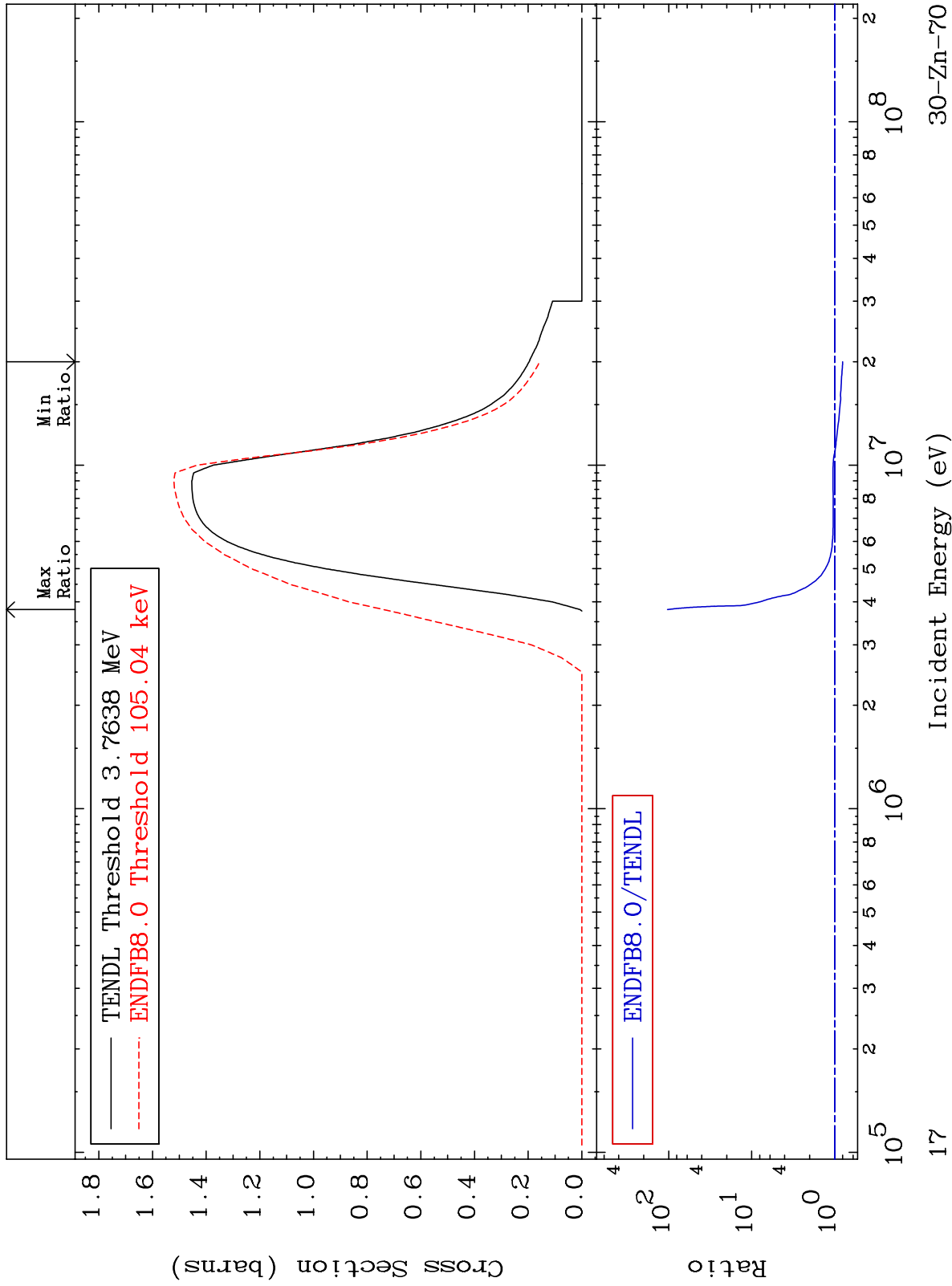
MAT 3043 MT= 58 (n,n') Level Cross Section 30-Zn-70  
 11.47 To 258.5 %



MAT 3043

(n, n') Continuum  
Cross Section

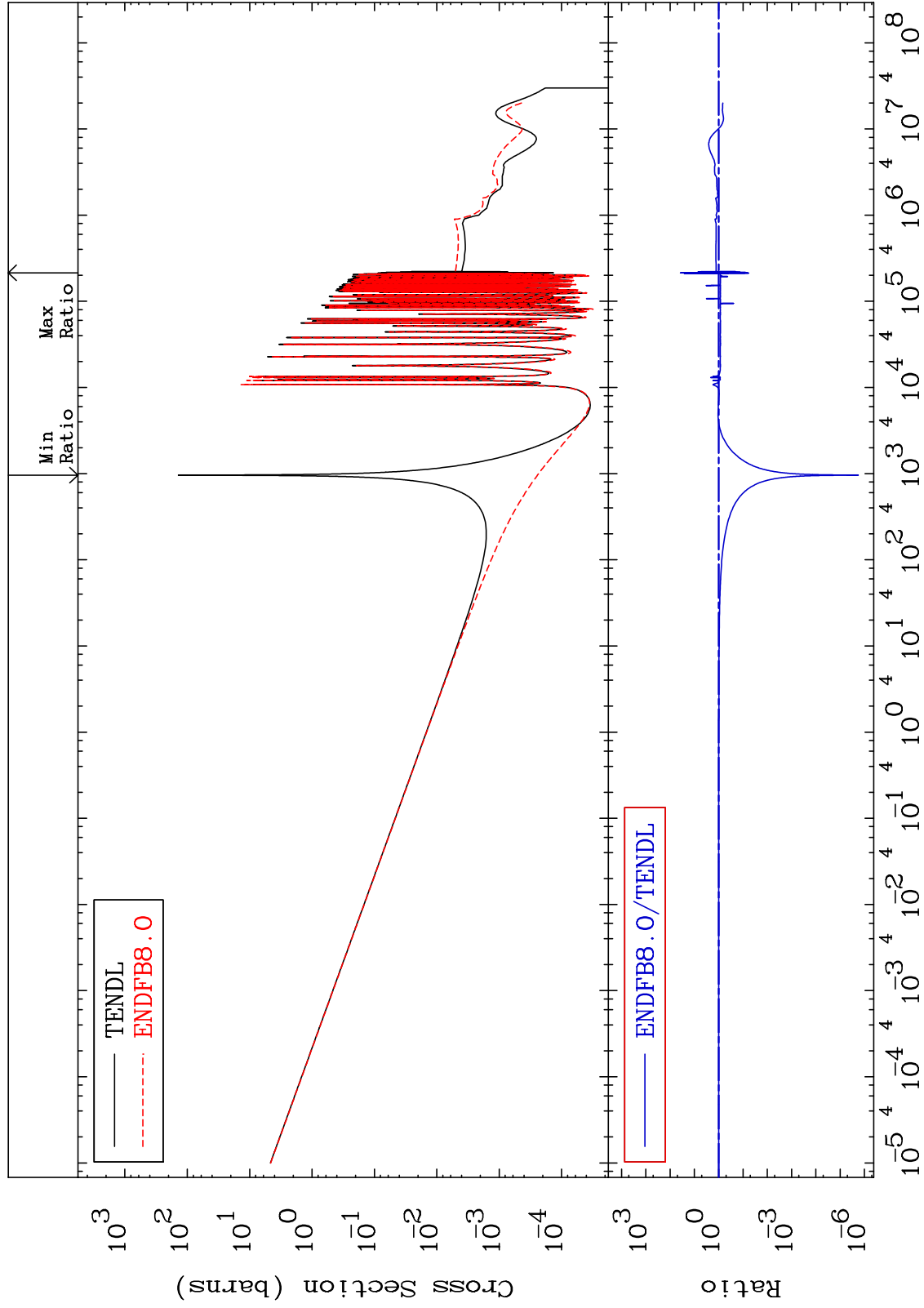
30-Zn-70  
-19.95 To 9999. %



MAT 3043

(n,  $\gamma$ )  
Cross Section

30-Zn-70  
-100.0 To 3658. %



18

Incident Energy (eV)

30-Zn-70

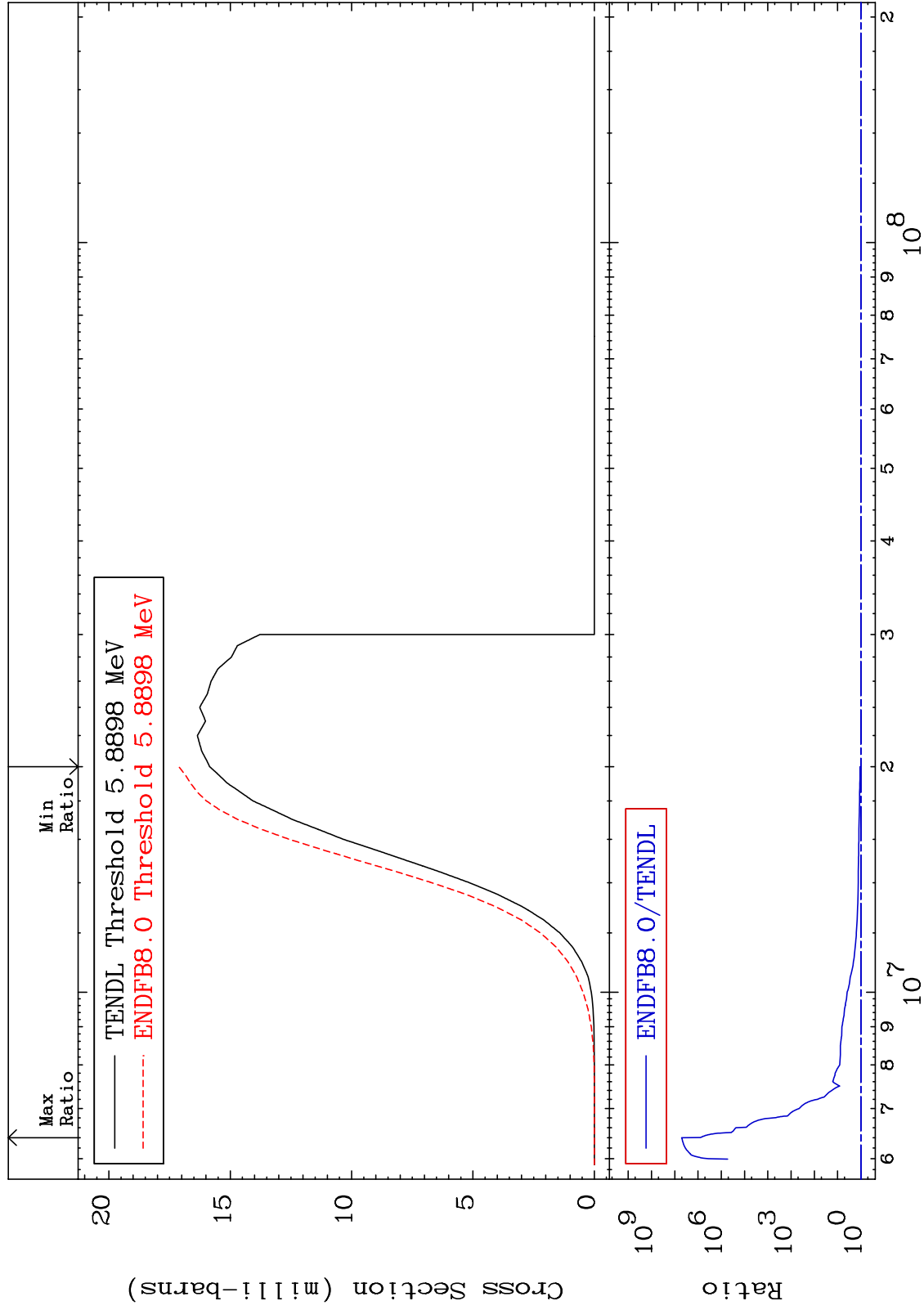
MAT 3043

(n,p)

30-Zn-70

Cross Section

8.067 To 9999. %



19

Incident Energy (eV)

30-Zn-70

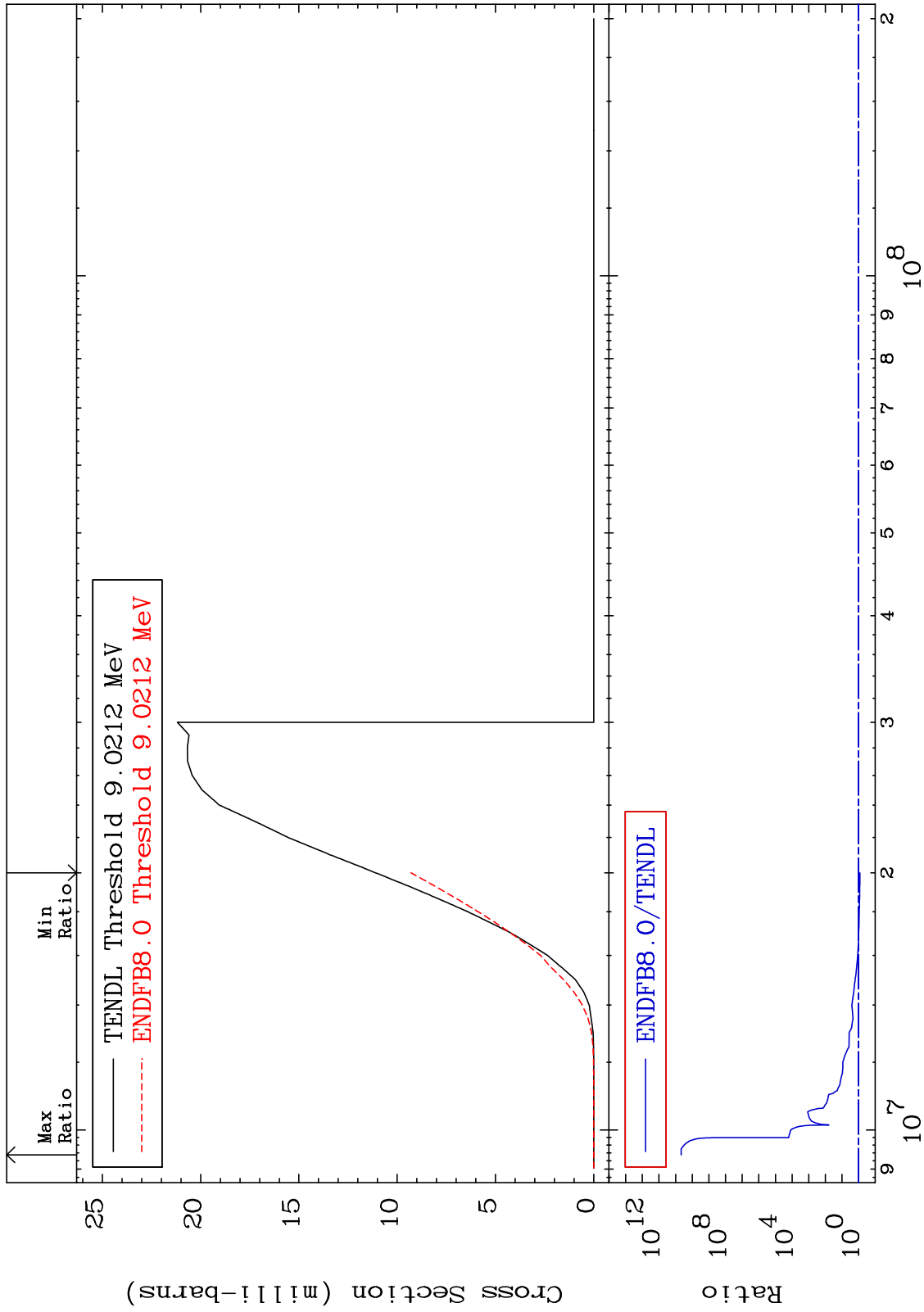
MAT 3043

(n, d)

30-Zn-70

Cross Section

-16.21 To 9999. %



Incident Energy (eV)

30-Zn-70

20

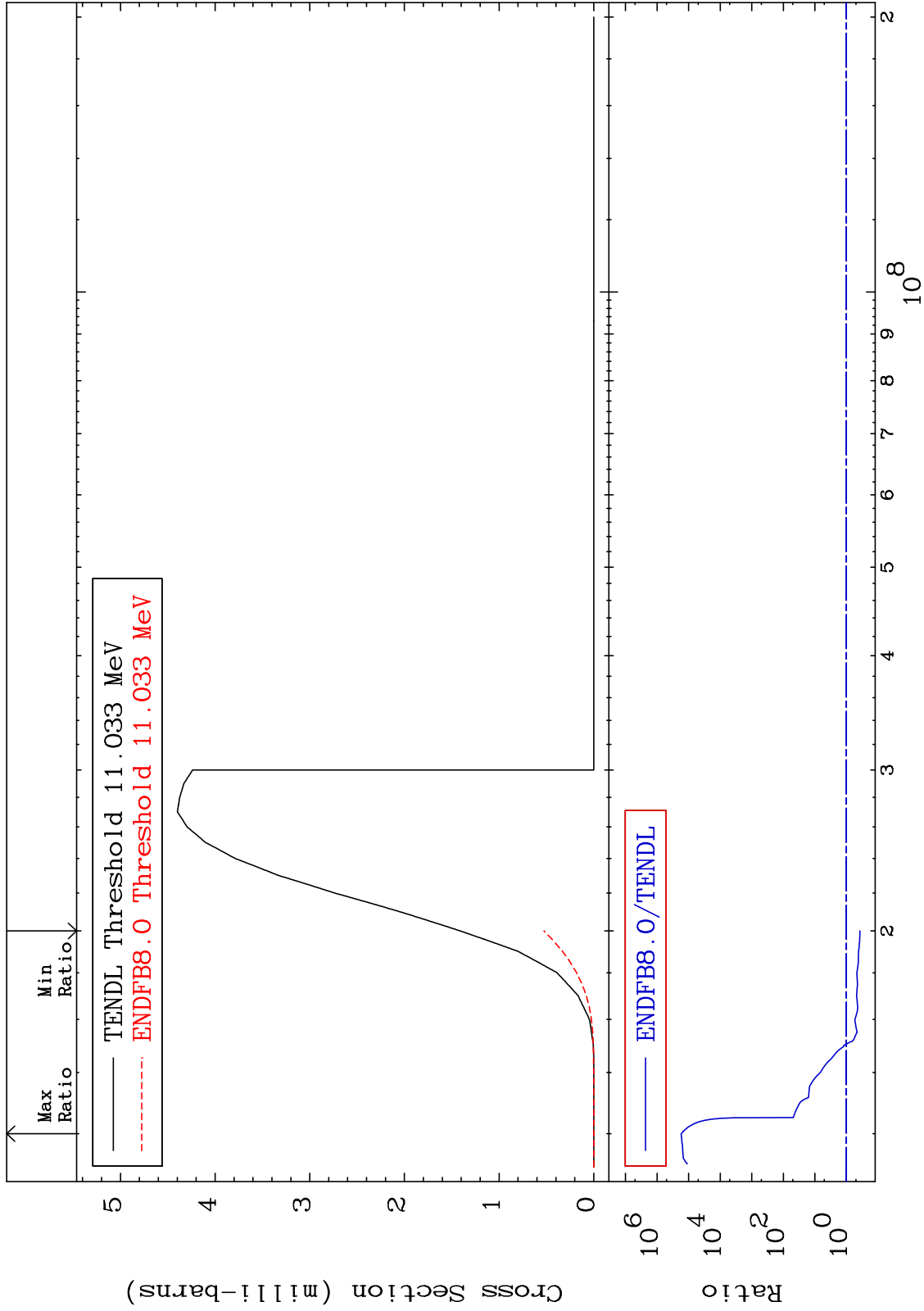
MAT 3043

(n, t)

30-Zn-70

Cross Section

-62.69 To 9999. %



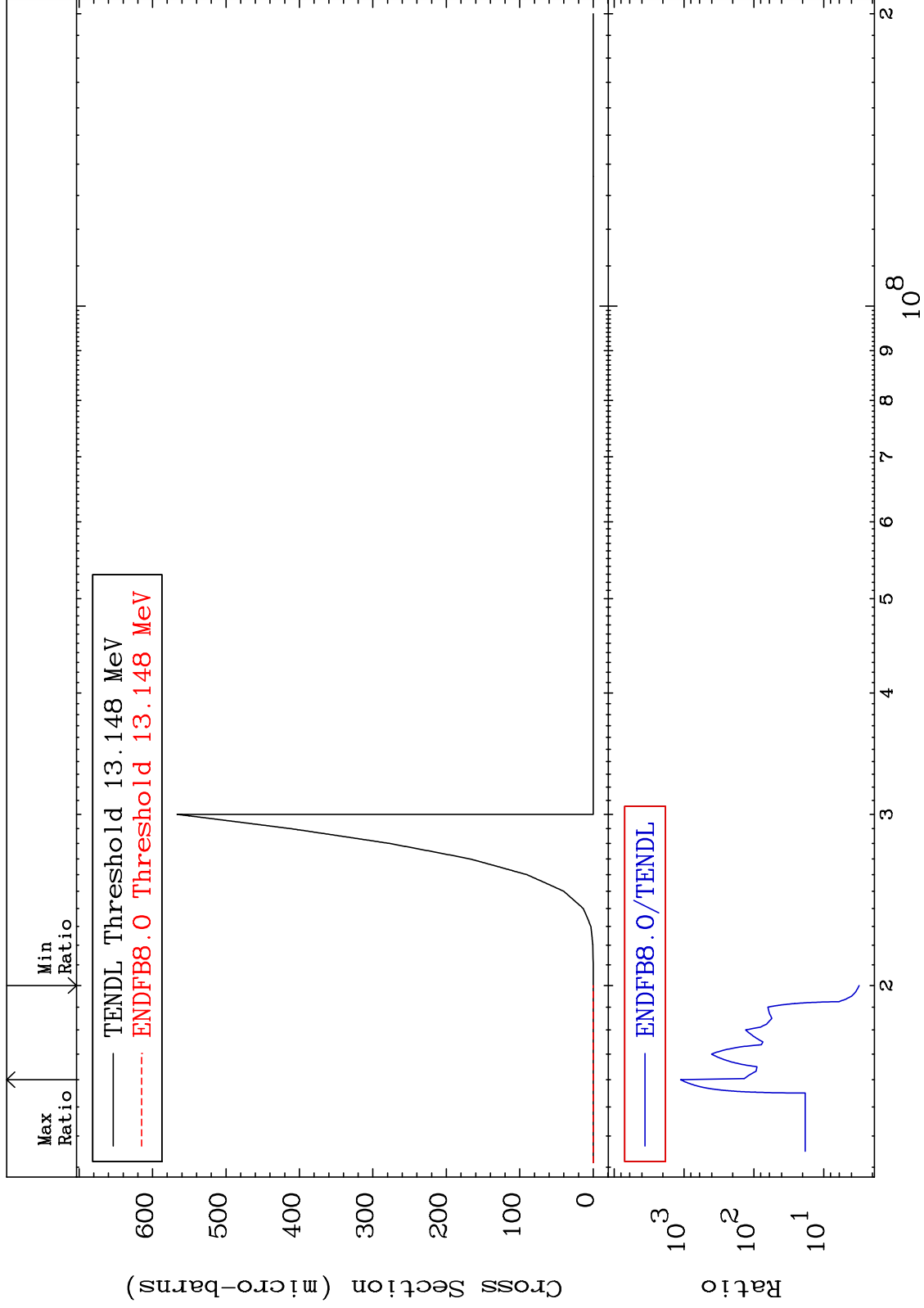
MAT 3043

(n, He-3)

30-Zn-70

Cross Section

210.2 To 9999. %



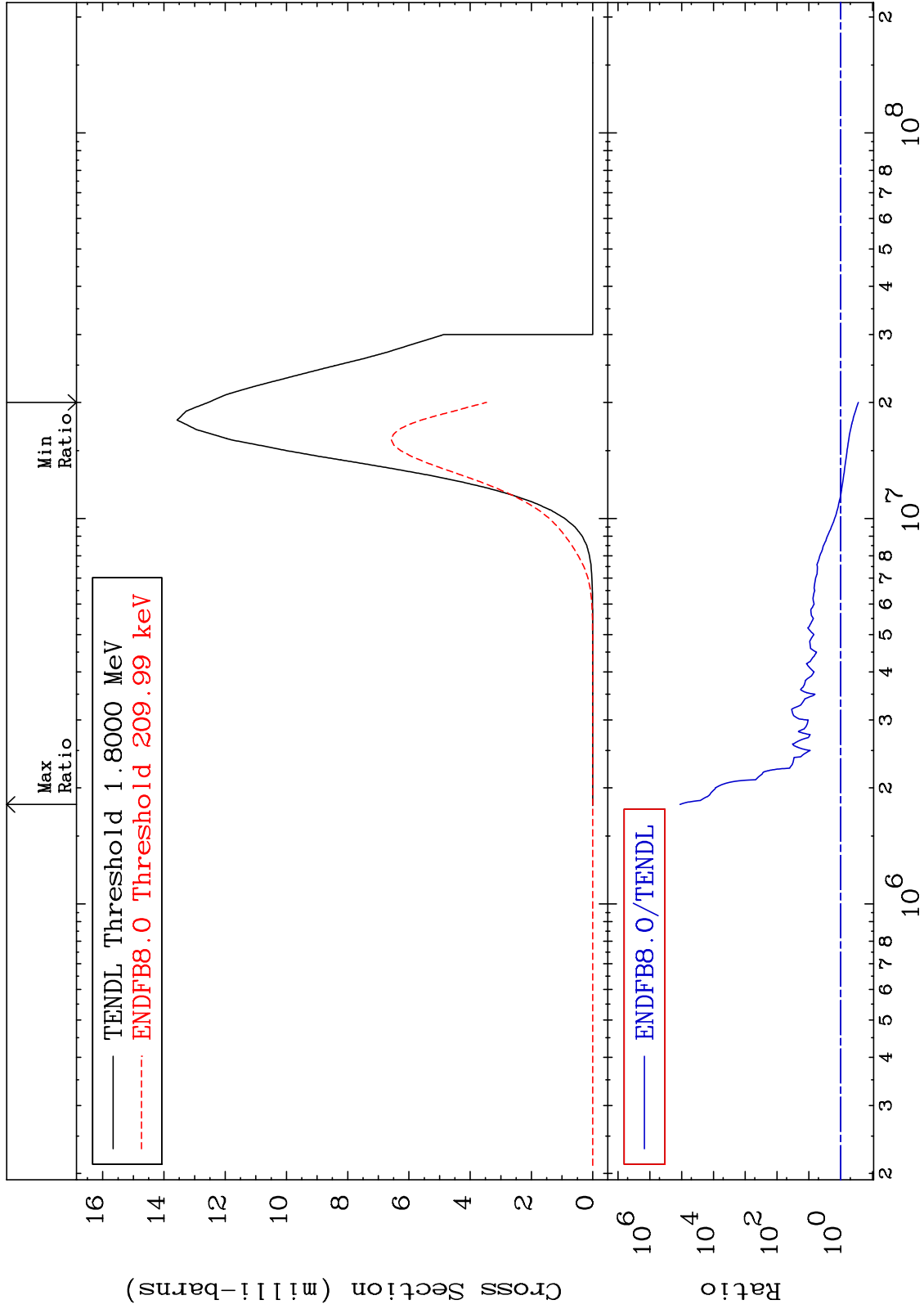
MAT 3043

(n,  $\alpha$ )

30-Zn-70

Cross Section

-72.38 To 9999. %

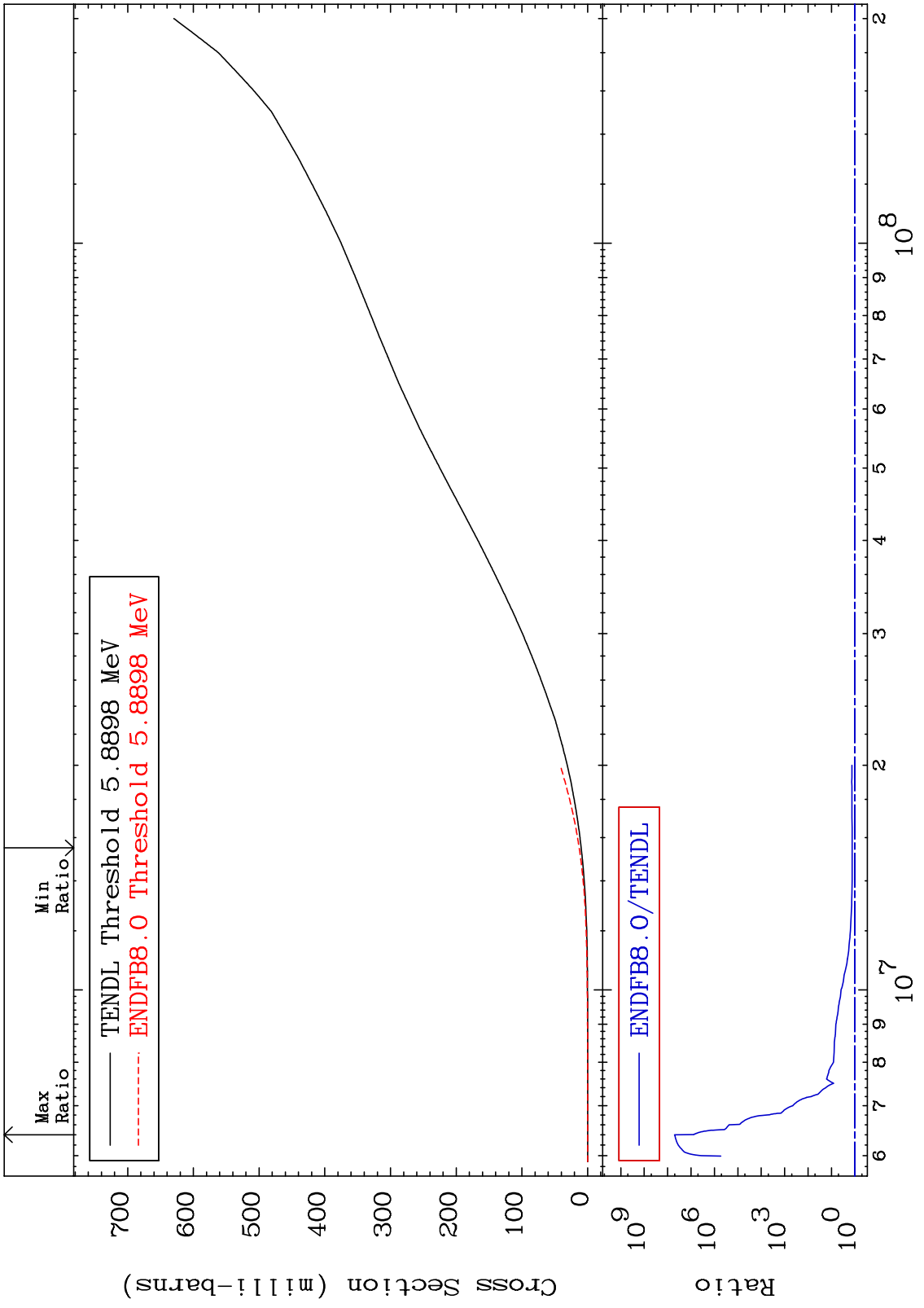




MAT 3043

Hydrogen Production  
Cross Section

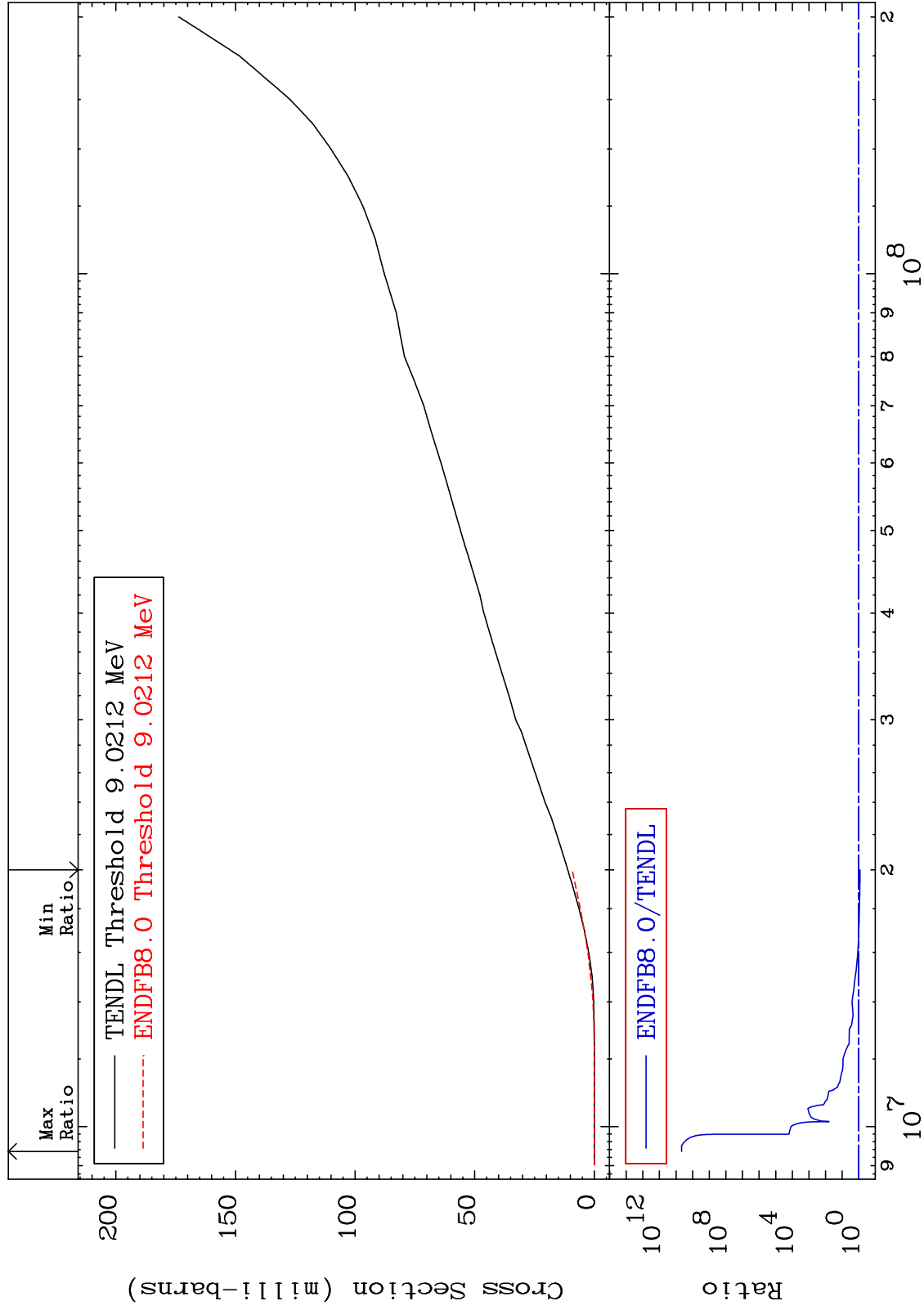
30-Zn-70  
29.96 To 9999. %



MAT 3043

Deuterium Production  
Cross Section

30-Zn-70  
-16.19 To 9999. %



25

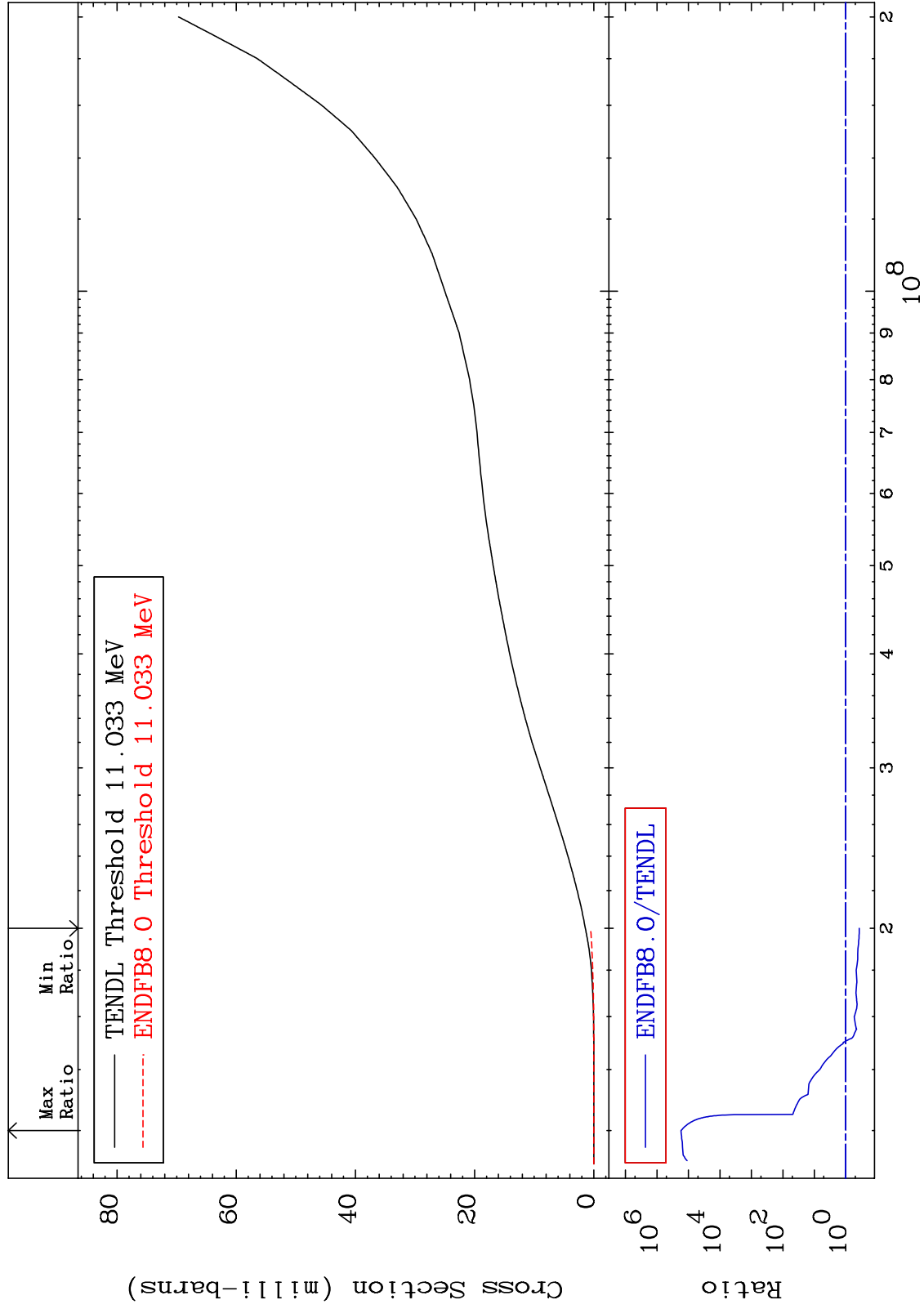
Incident Energy (eV)

30-Zn-70

MAT 3043

Tritium Production  
Cross Section

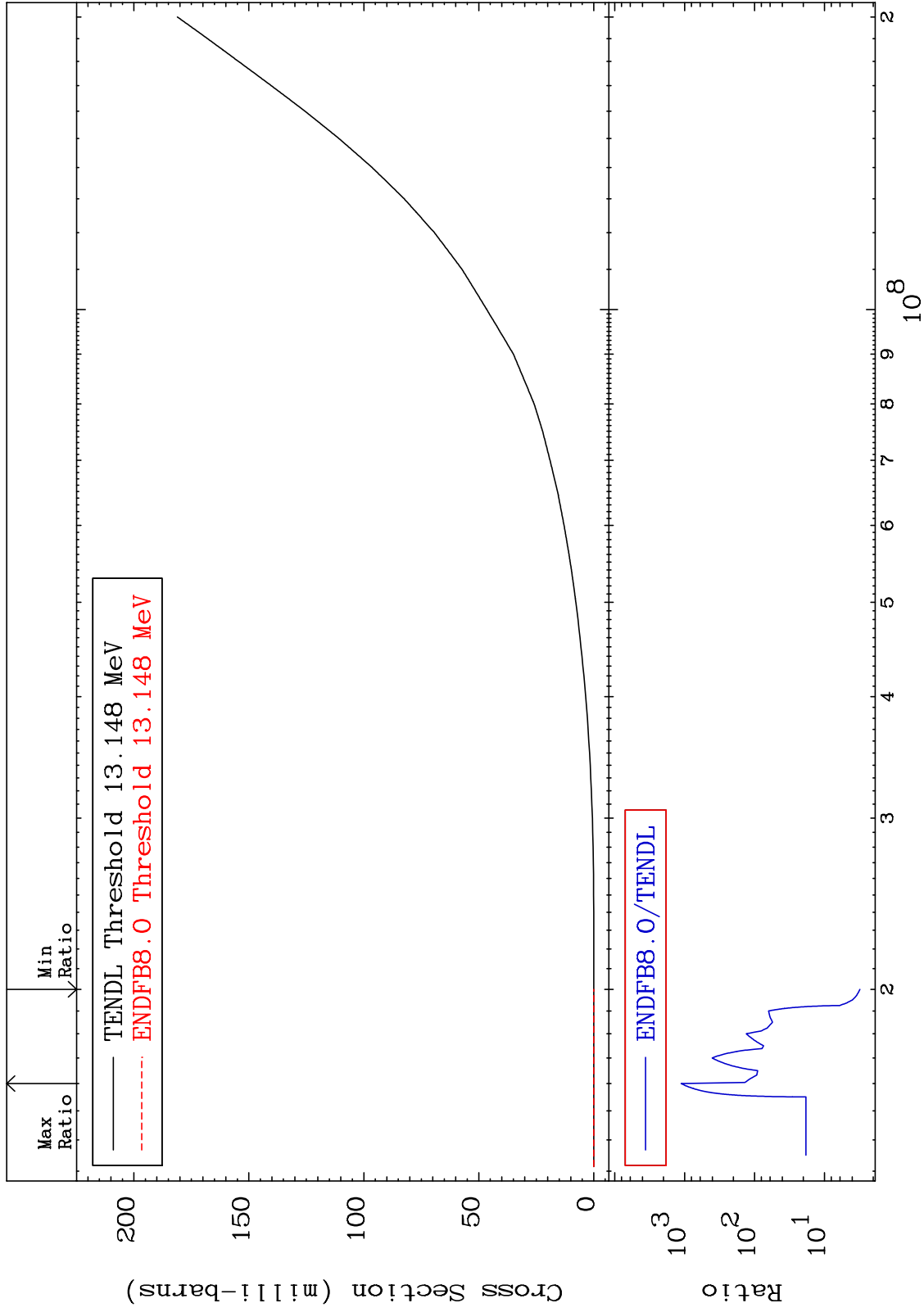
30-Zn-70  
-62.69 To 9999. %



MAT 3043

He-3 Production  
Cross Section

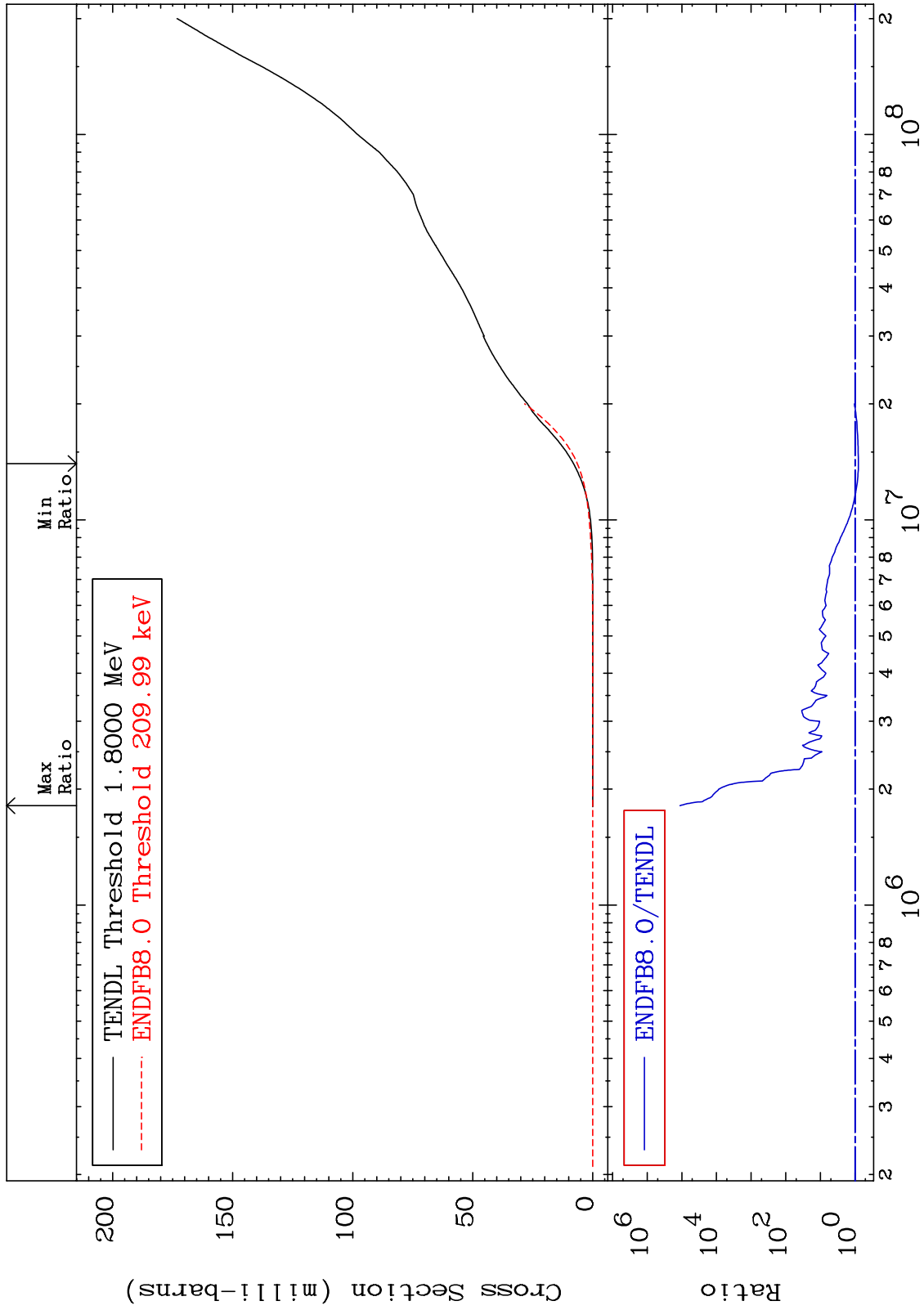
30-Zn-70  
210.2 To 9999. %



MAT 3043

He-4 Production  
Cross Section

30-Zn-70  
-20.20 To 9999. %



Incident Energy (eV)

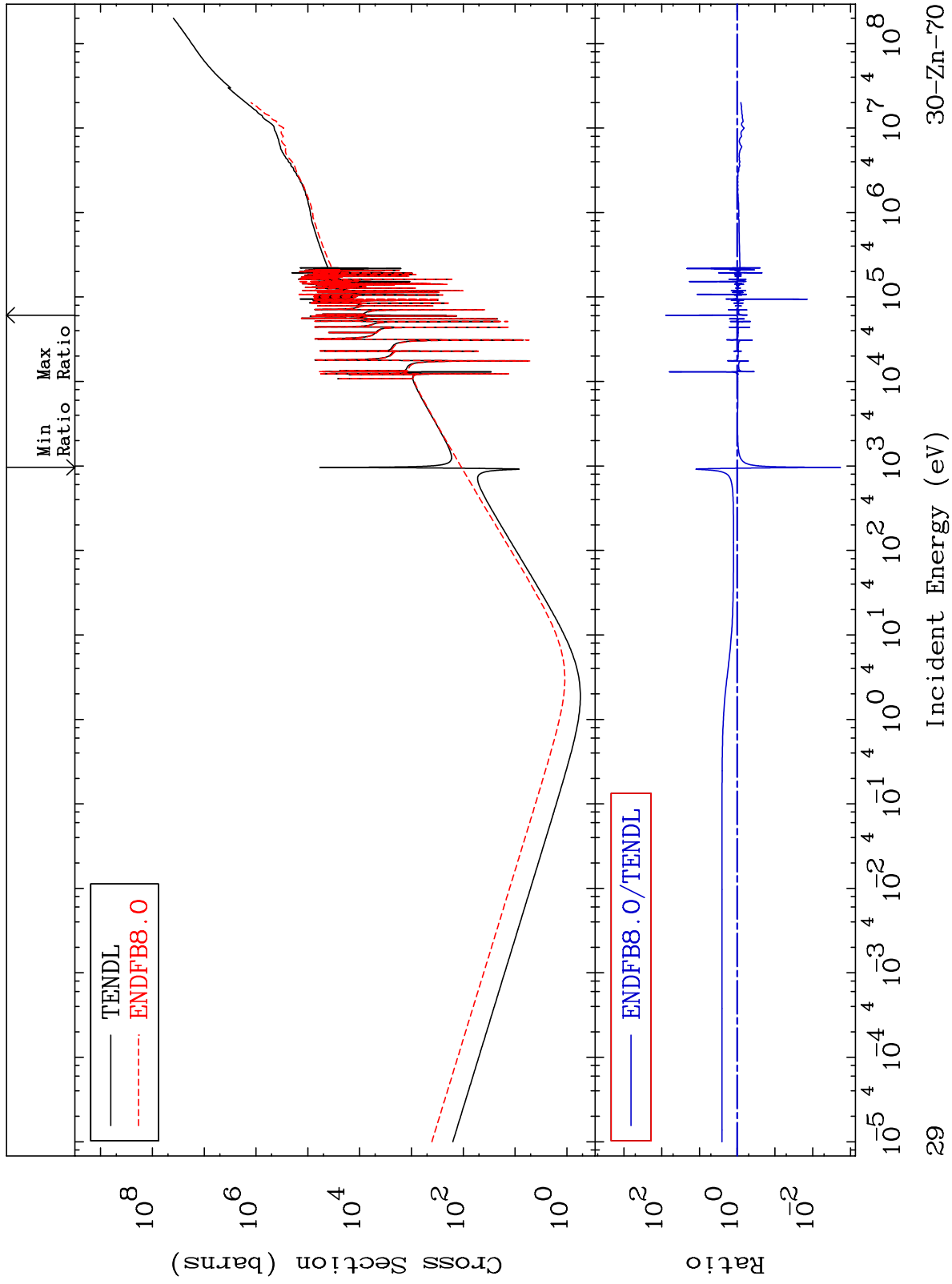
30-Zn-70

MAT 3043

Kerma total (eV-barns)  
Cross Section

30-Zn-70

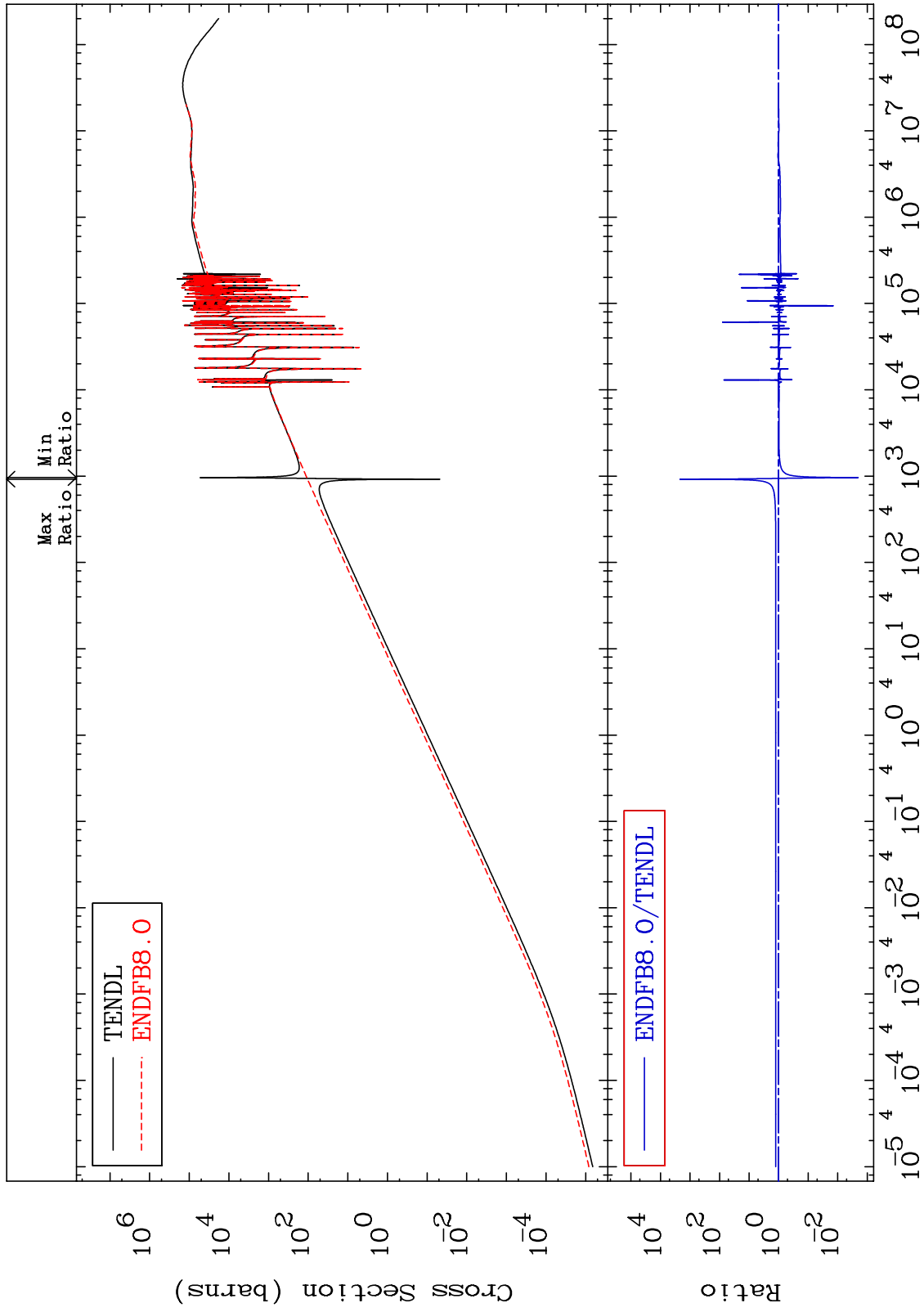
-99.82 To 7670. %



MAT 3043

Kerma elastic  
Cross Section

30-Zn-70  
-99.80 To 9999. %



30

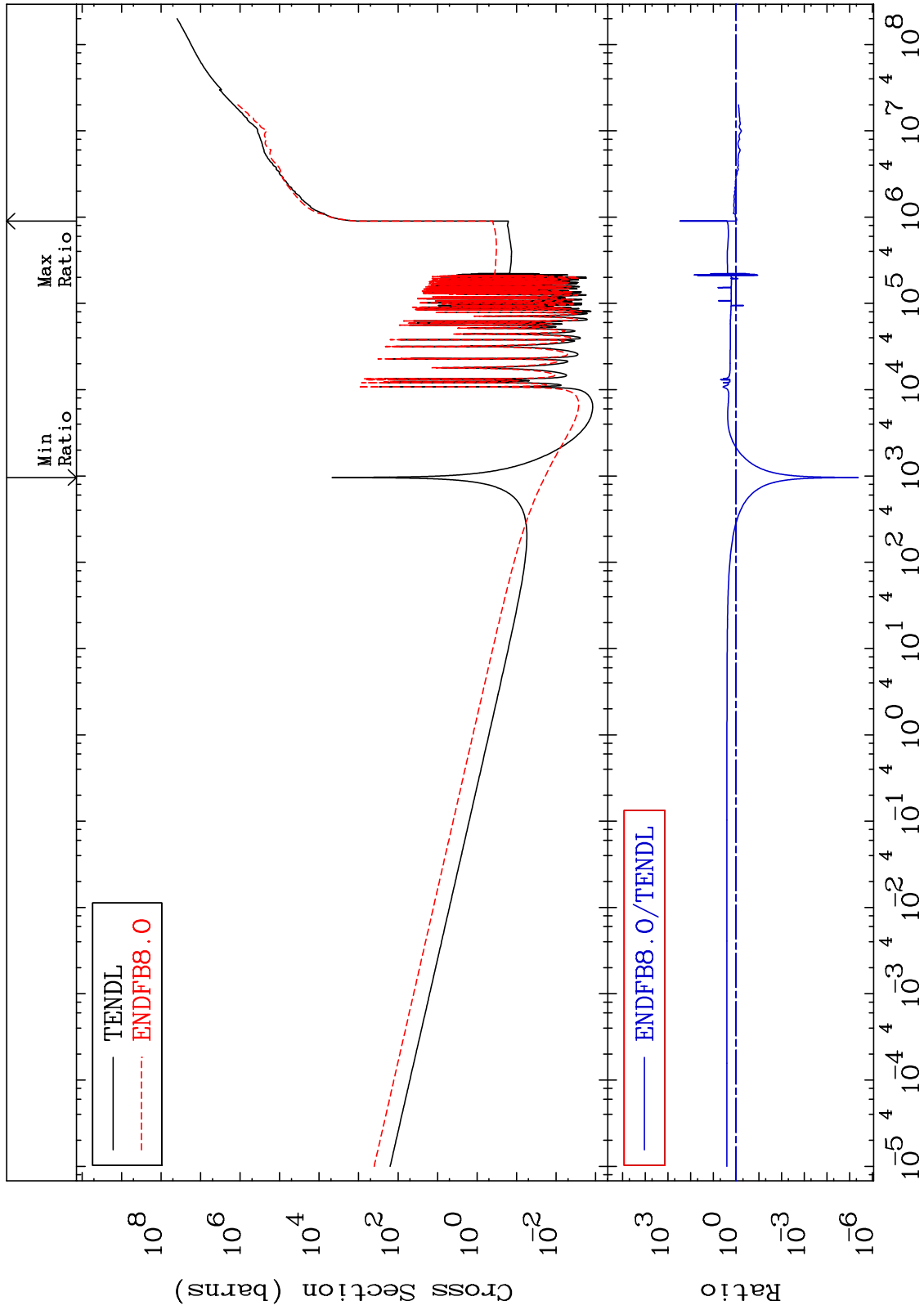
Incident Energy (eV)

30-Zn-70

MAT 3043

Kerma non-elastic (all but mt2)  
Cross Section

30-Zn-70  
-100.0 To 9999. %

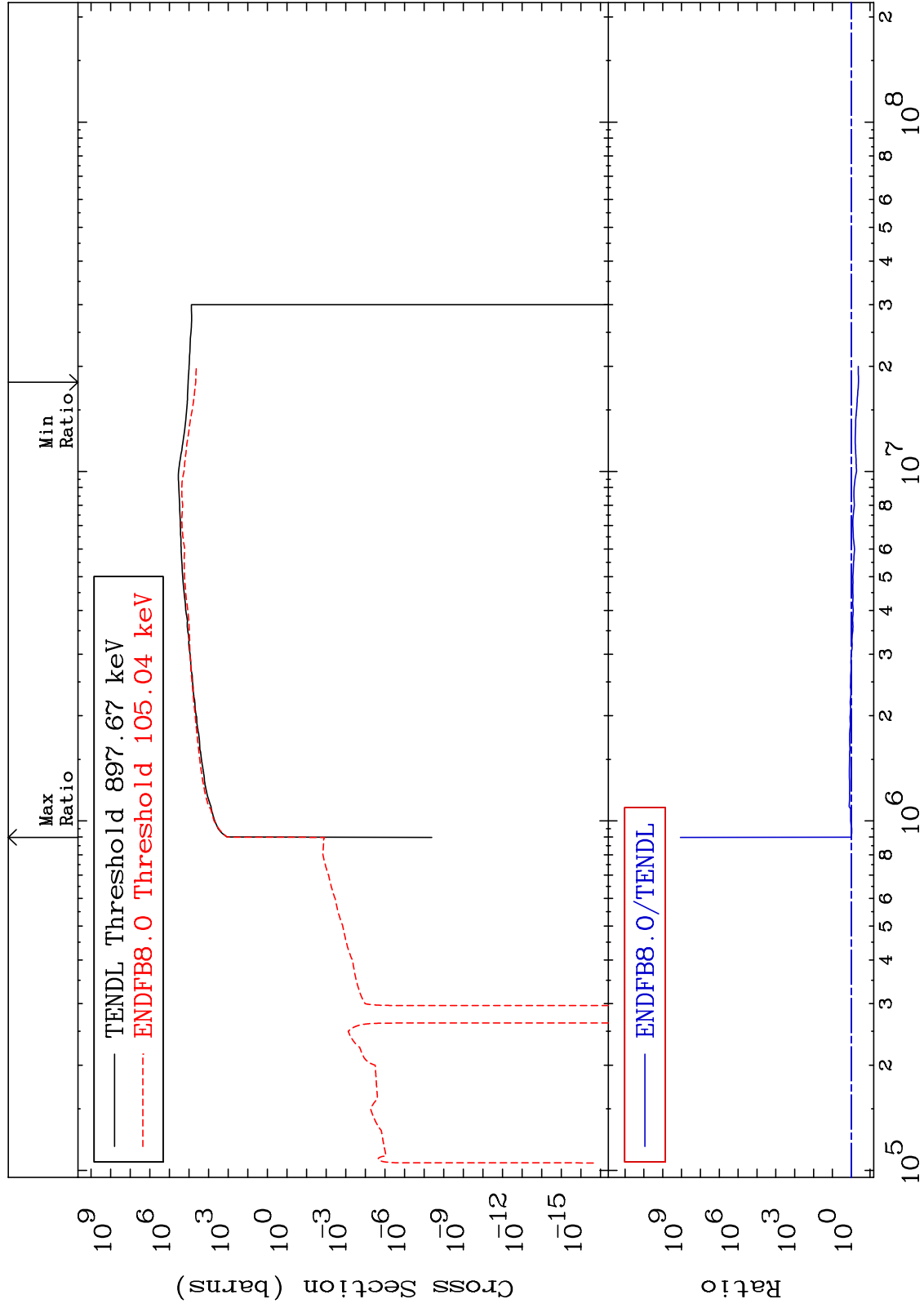




MAT 3043

Kerma inelastic (mt51-91)  
Cross Section

30-Zn-70  
-58.90 To 9999. %



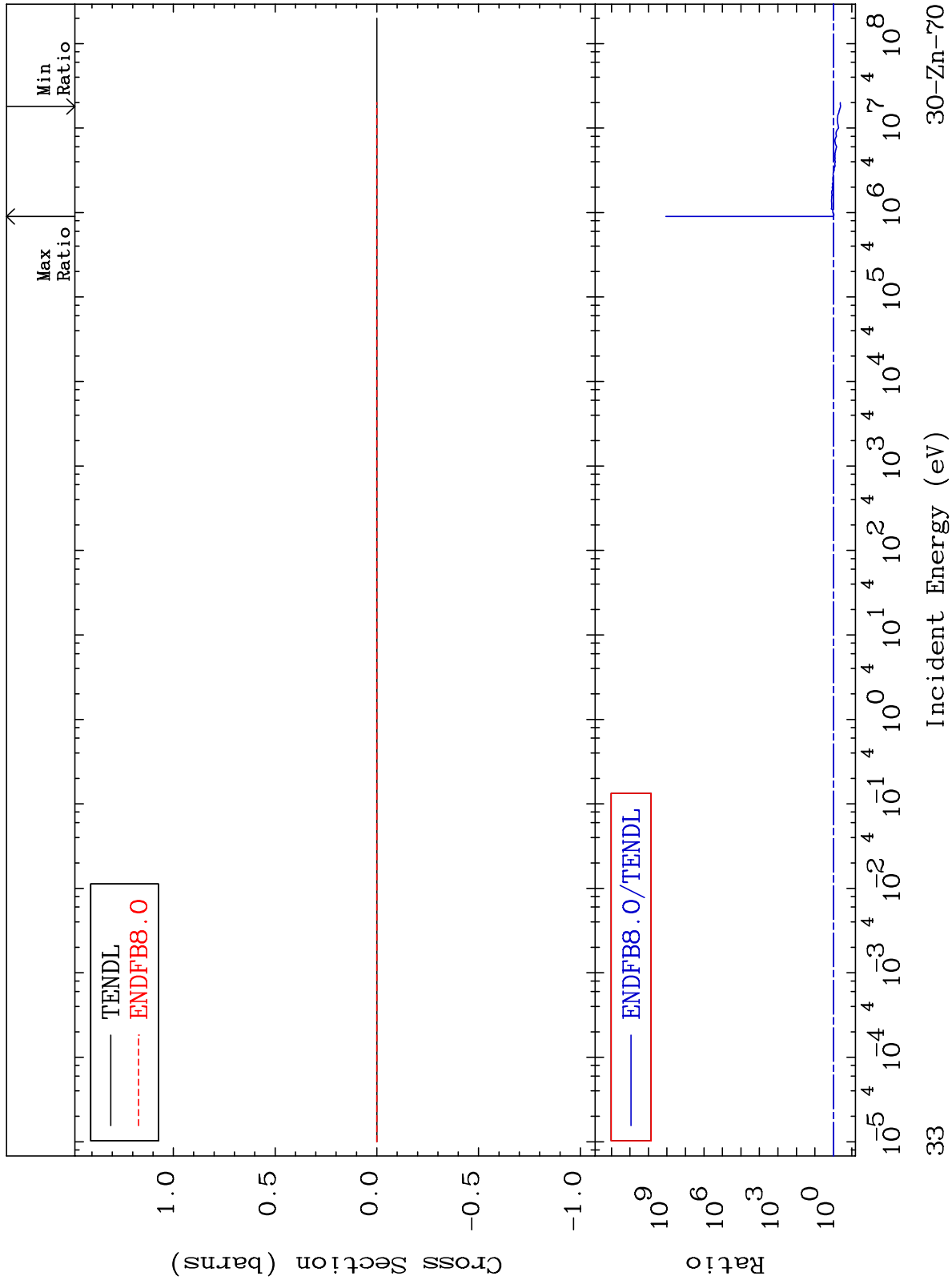
30-Zn-70

32

MAT 3043

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

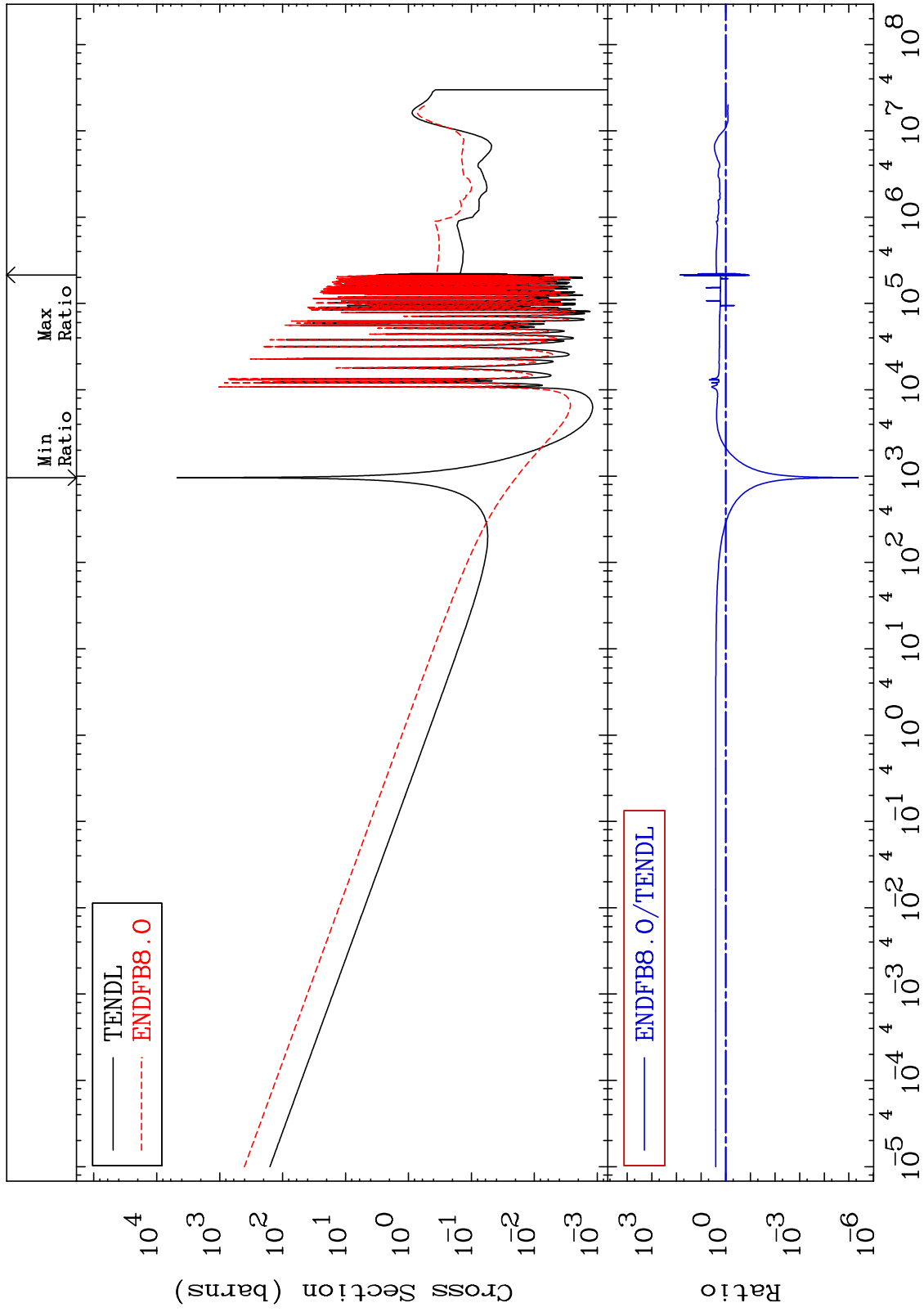
30-Zn-70  
-58.90 To 9999. %



MAT 3043

Kerma capture (mt102)  
Cross Section

30-Zn-70  
-100.0 To 7012. %



34

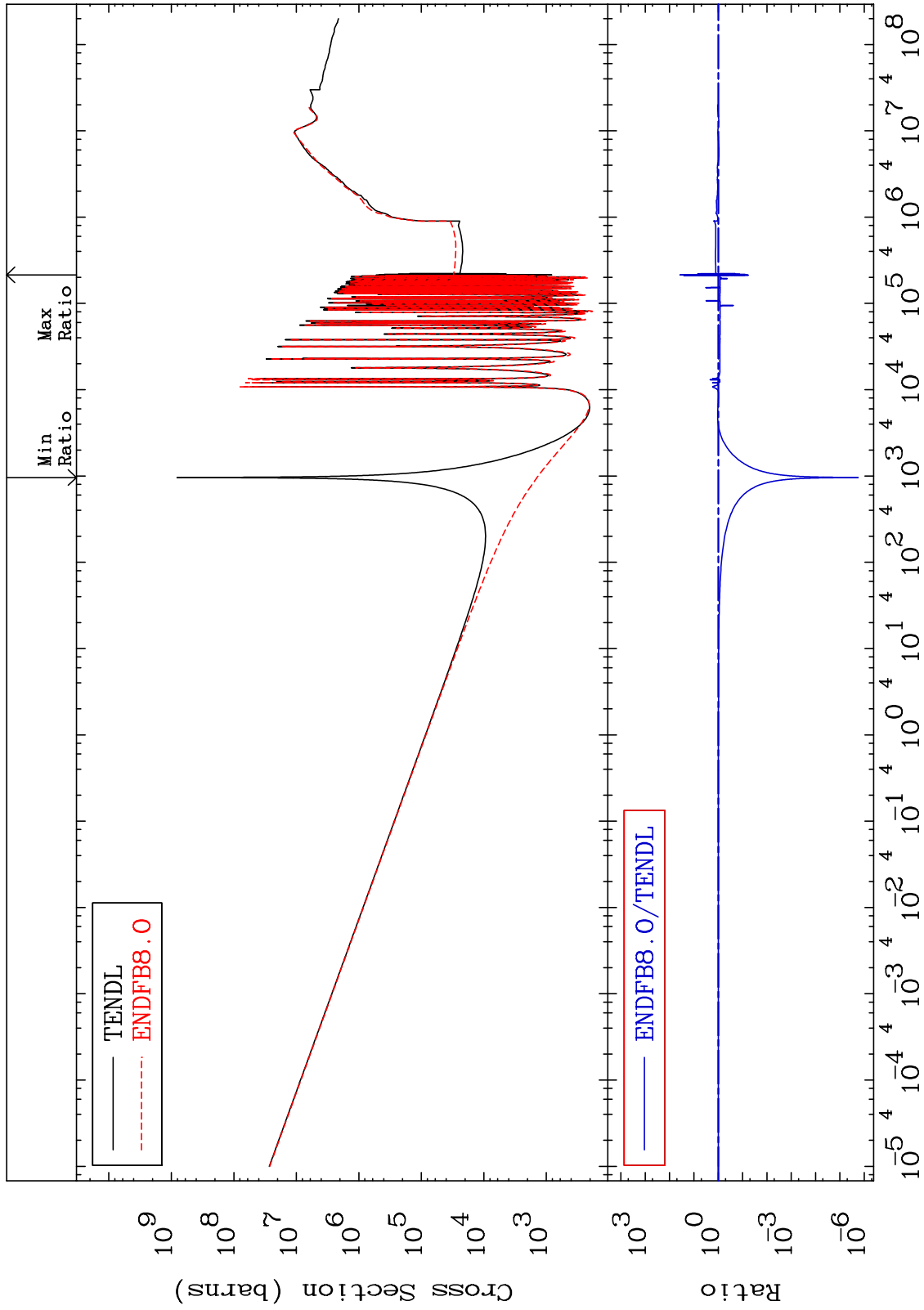
Incident Energy (eV)

30-Zn-70

MAT 3043

Total photon (eV-barns)  
Cross Section

30-Zn-70  
-100.0 To 3625. %



35

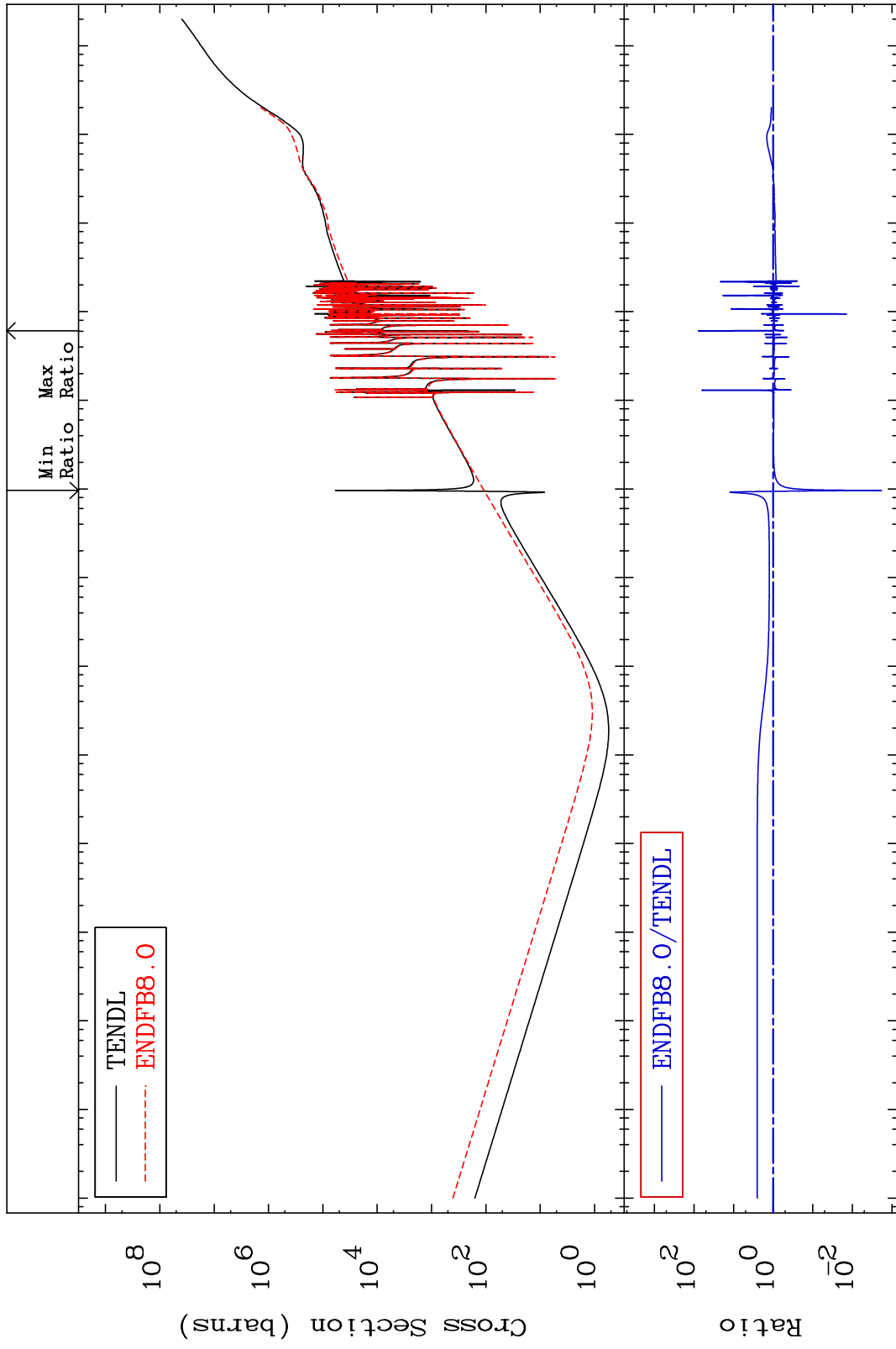
Incident Energy (eV)

30-Zn-70

MAT 3043

Total kinematic kerma (high limit)  
Cross Section

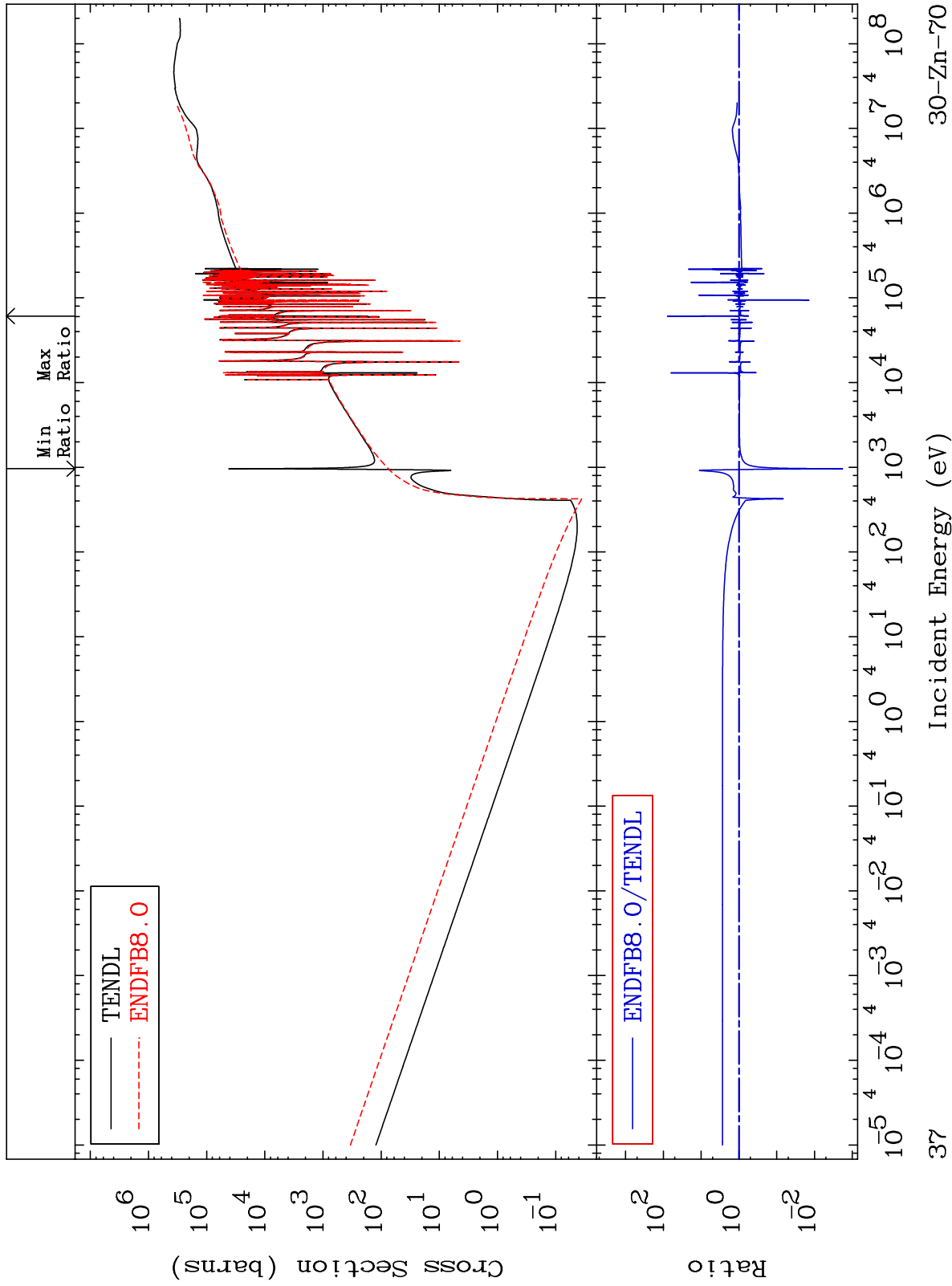
30-Zn-70  
-99.82 To 7670. %



MAT 3043

Dpa total (eV-barns)  
Cross Section

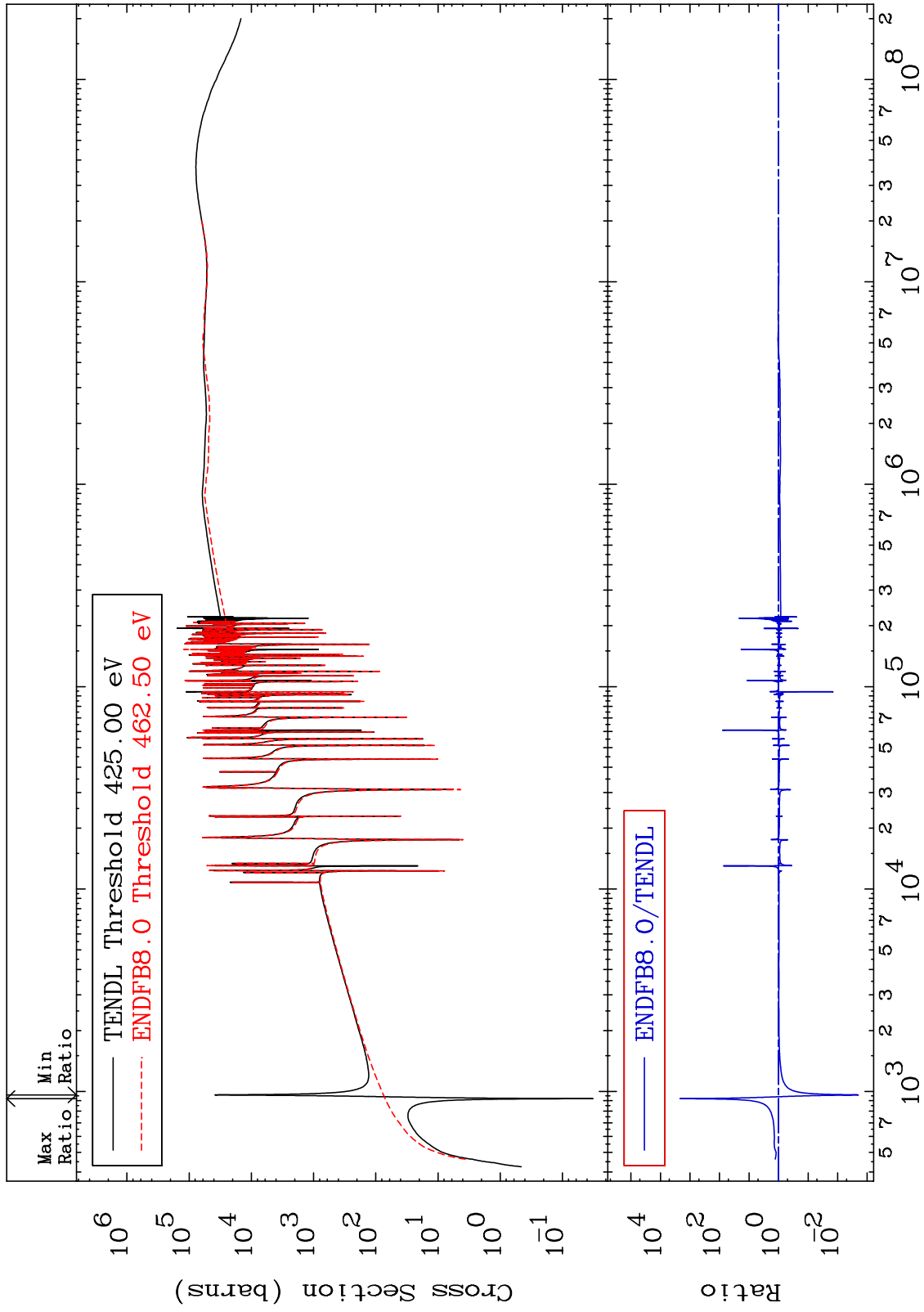
30-Zn-70  
-99.82 To 7670. %



MAT 3043

Dpa elastic (mt2)  
Cross Section

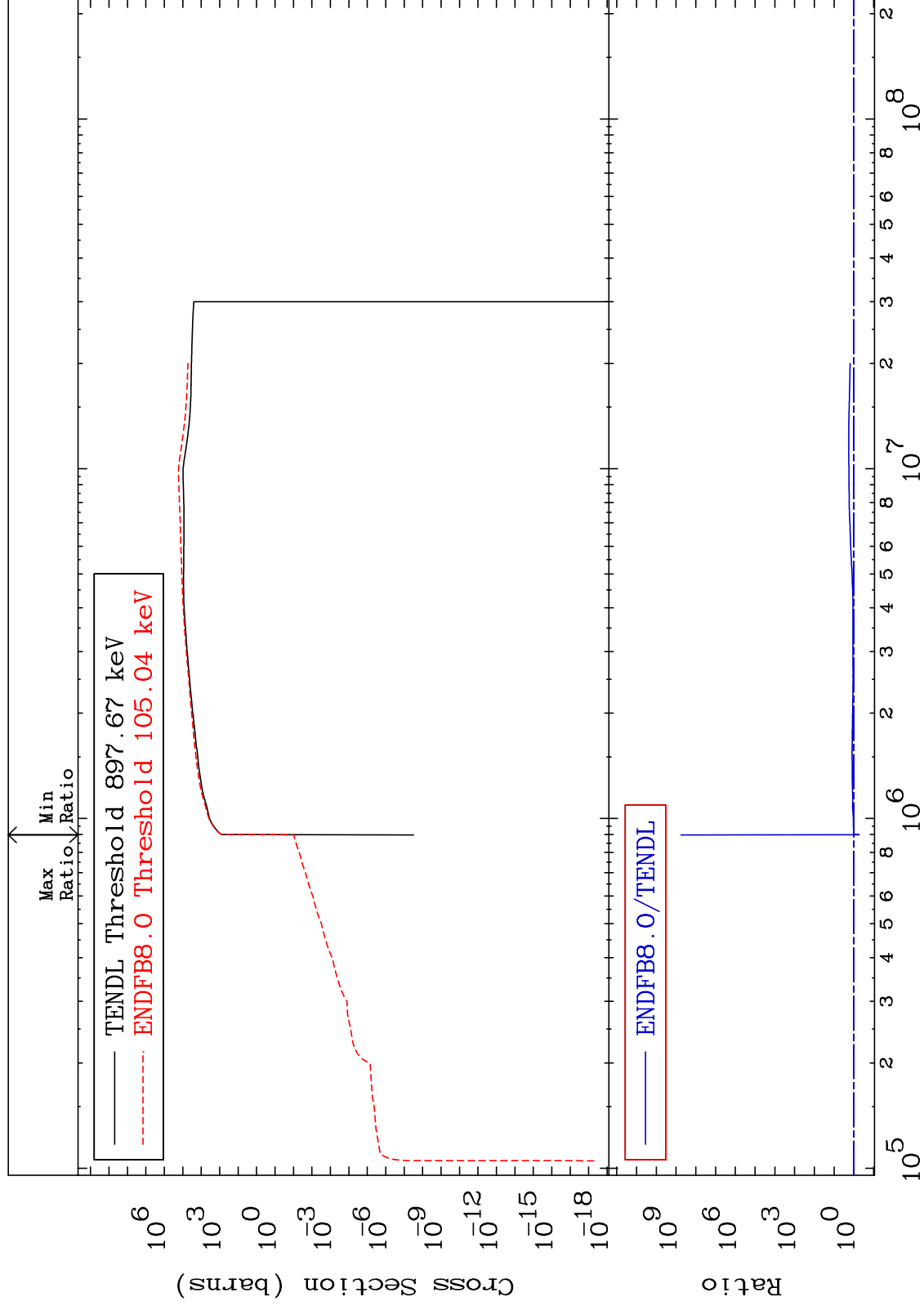
30-Zn-70  
-99.80 To 9999. %



MAT 3043

Dpa inelastic (mt51-91)  
Cross Section

30-Zn-70  
-46.90 To 9999. %



39

Incident Energy (eV)

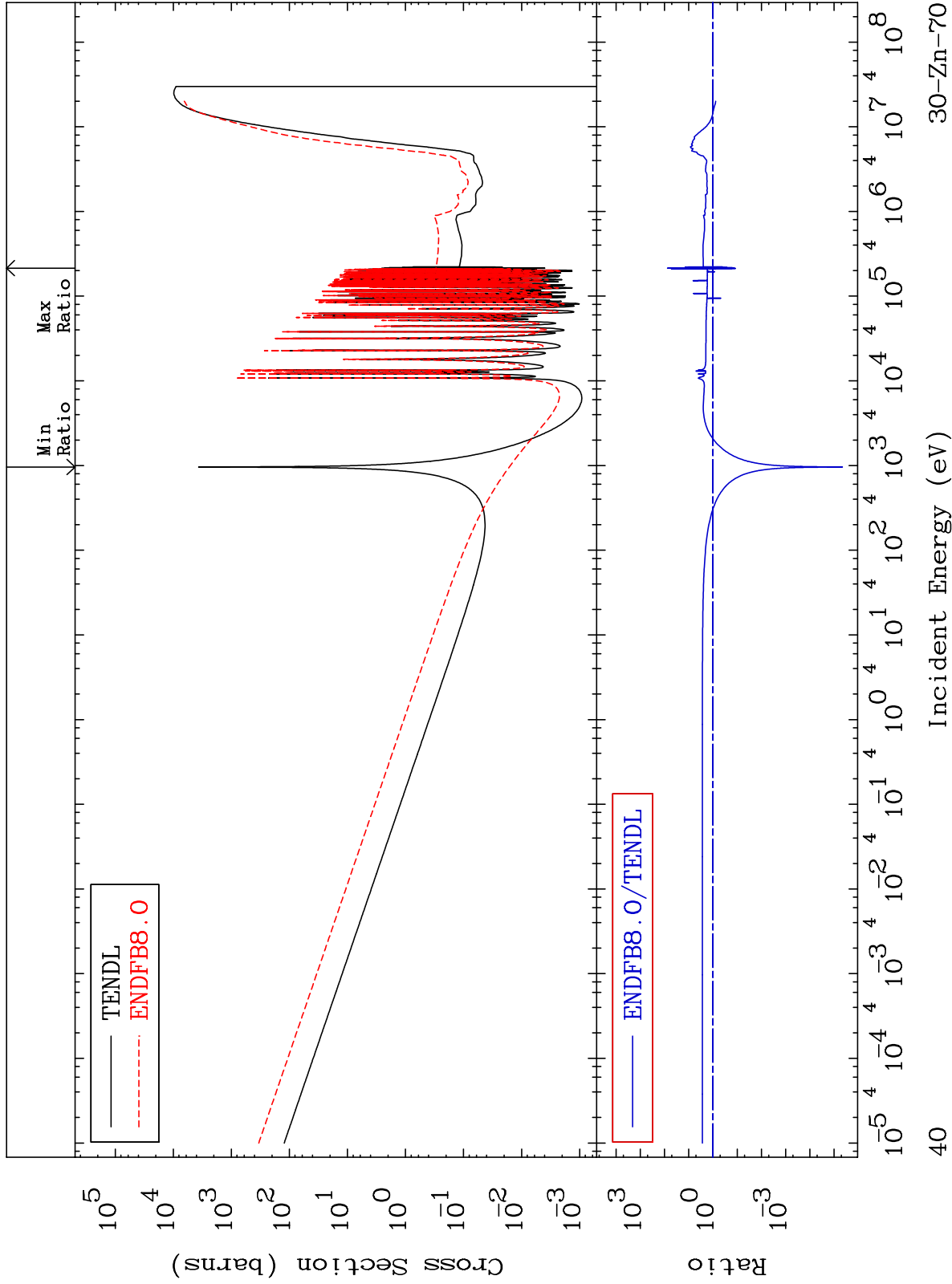
30-Zn-70



MAT 3043

Dpa disappearance (mt102 -120)  
Cross Section

30-Zn-70  
-100.0 To 7398. %



40

Incident Energy (eV)

30-Zn-70