

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

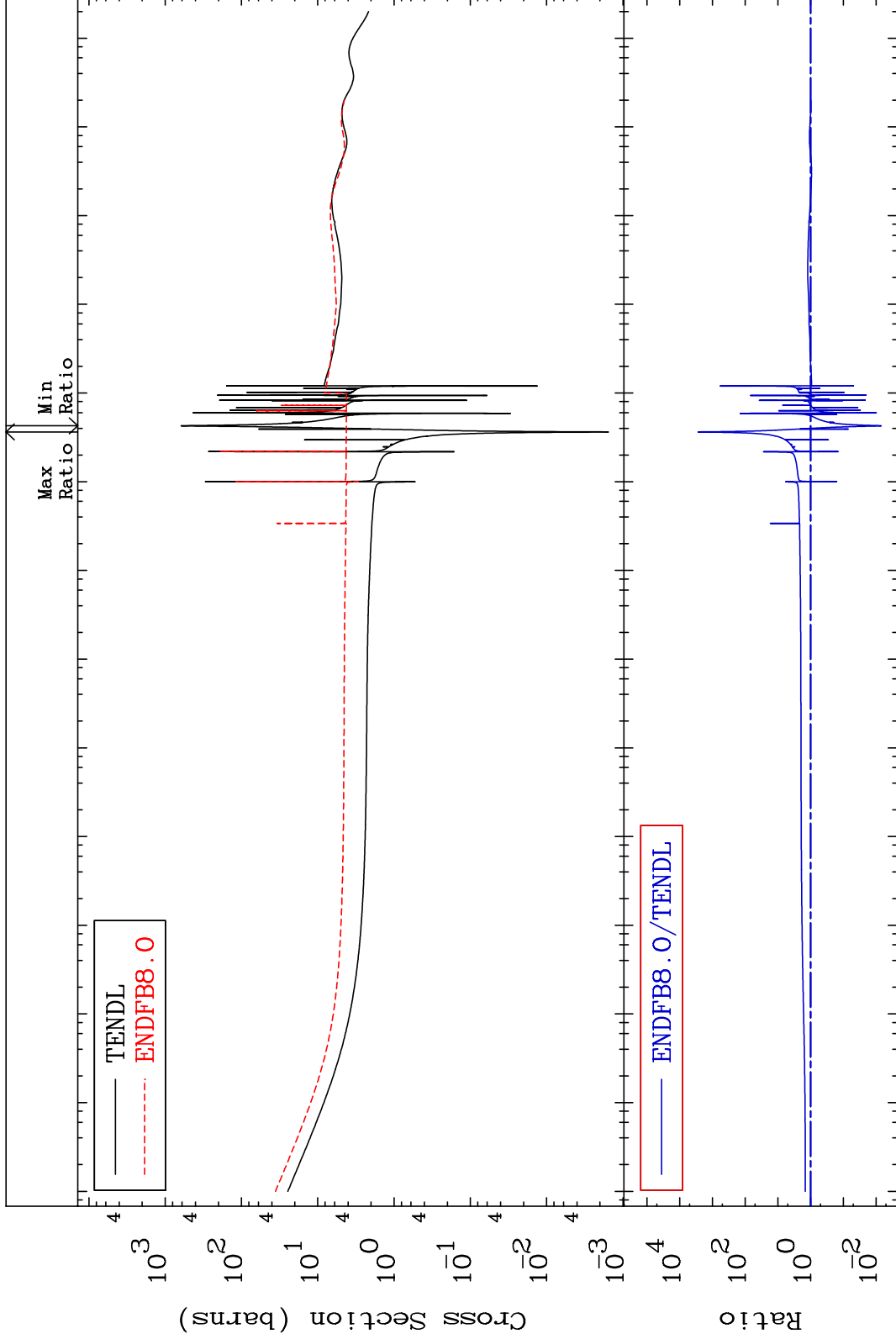
MAT 5455

Total

54-Xe-134

Cross Section

-99.32 To 9999. %



Incident Energy (eV)

54-Xe-134

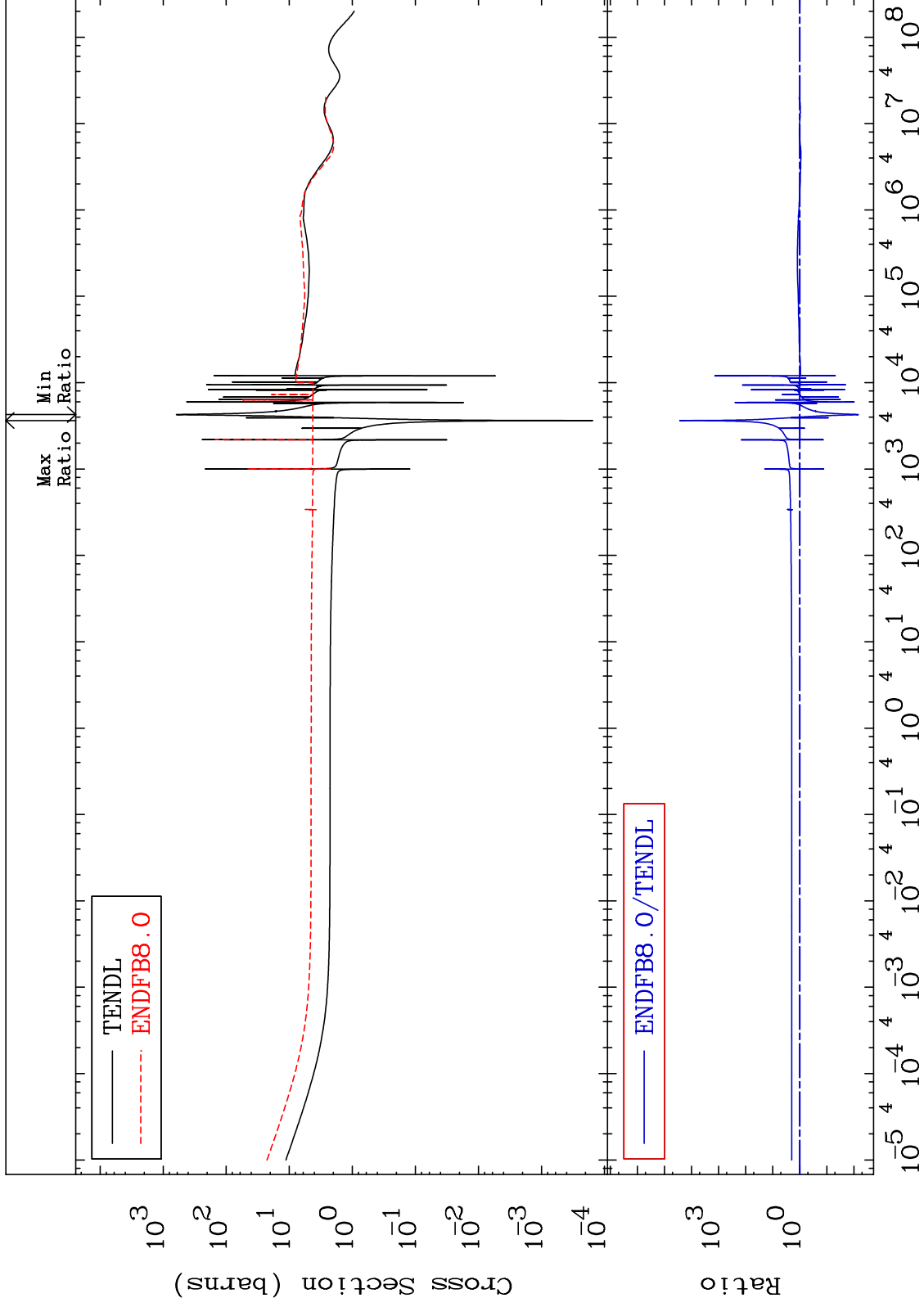
MAT 5455

Elastic

54-Xe-134

Cross Section

-99.32 To 9999. %



Incident Energy (eV)

54-Xe-134

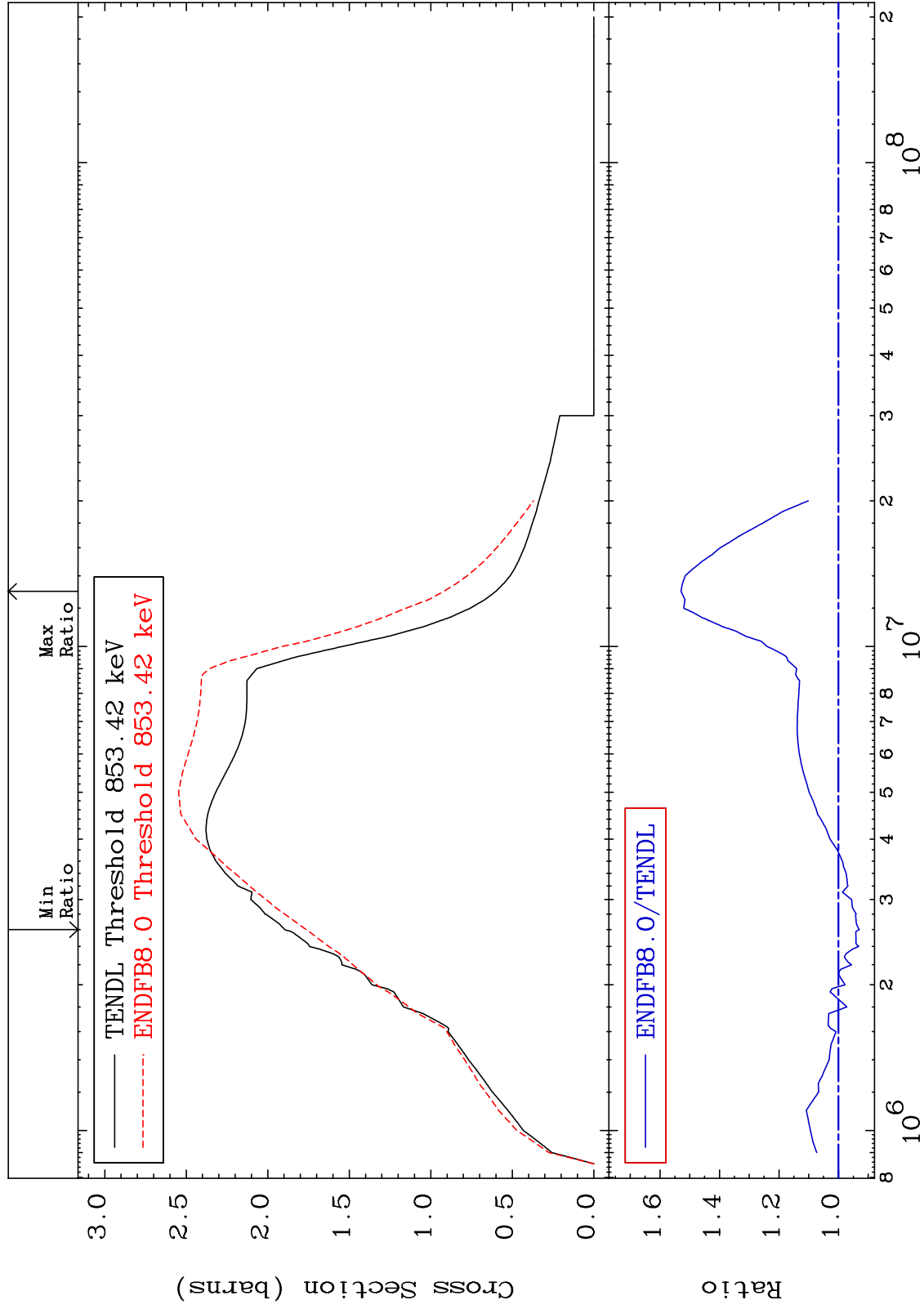
2

MAT 5455

Inelastic  
Cross Section

54-Xe-134

-7.013 To 52.92 %



Incident Energy (eV)

54-Xe-134

3

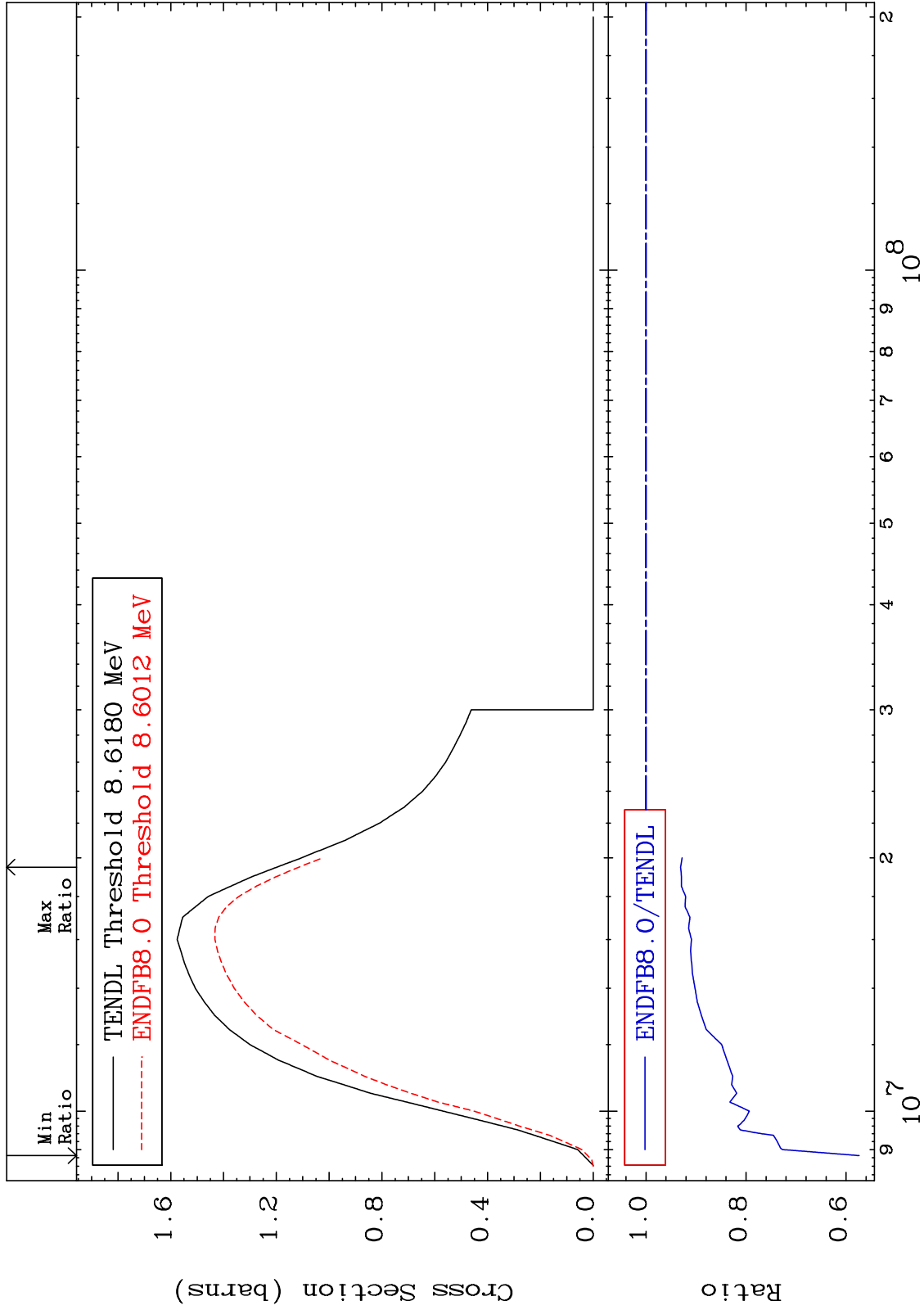
MAT 5455

(n,2n)

54-Xe-134

Cross Section

-42.62 To -6.924%



4

Incident Energy (eV)

54-Xe-134

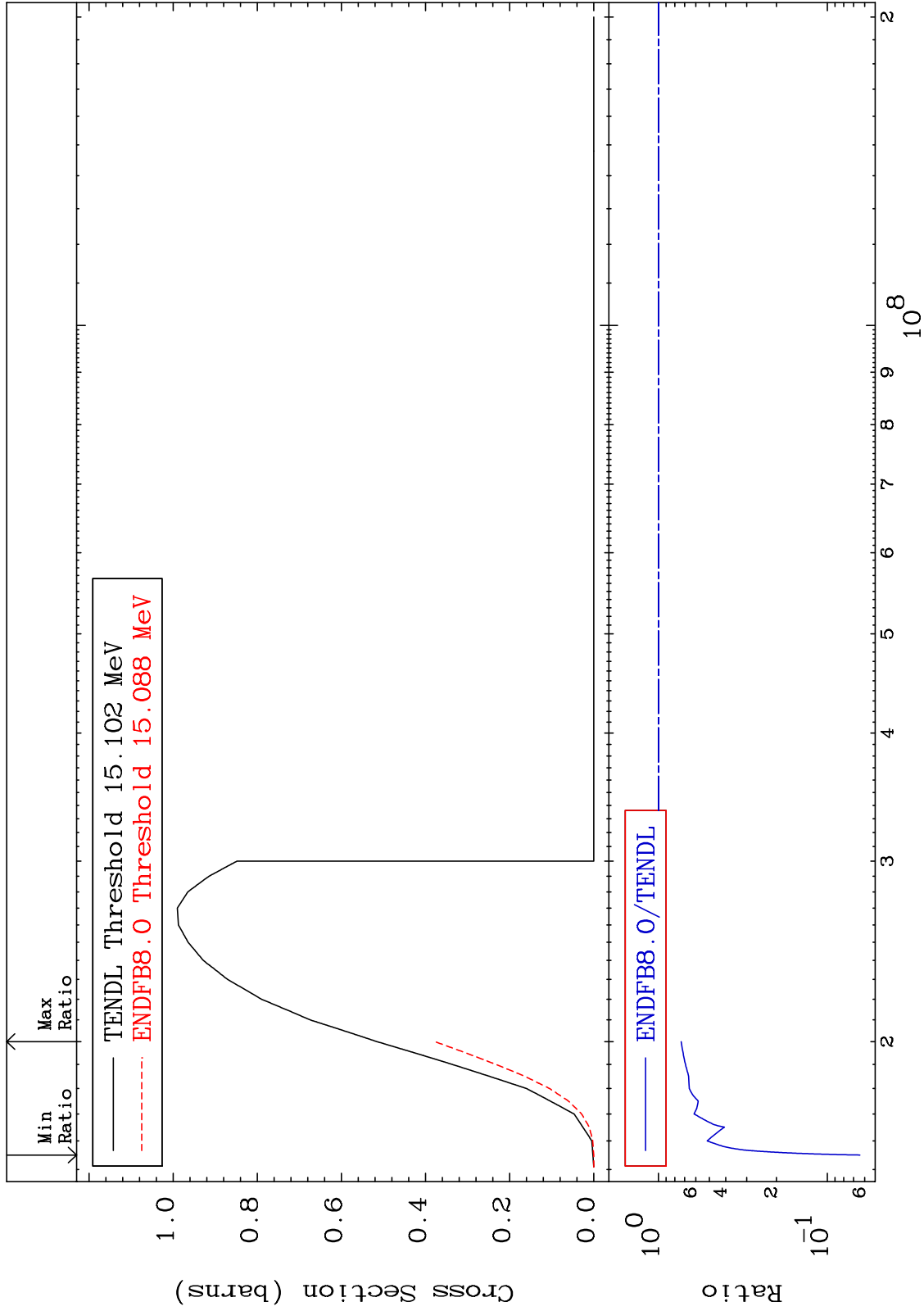
MAT 5455

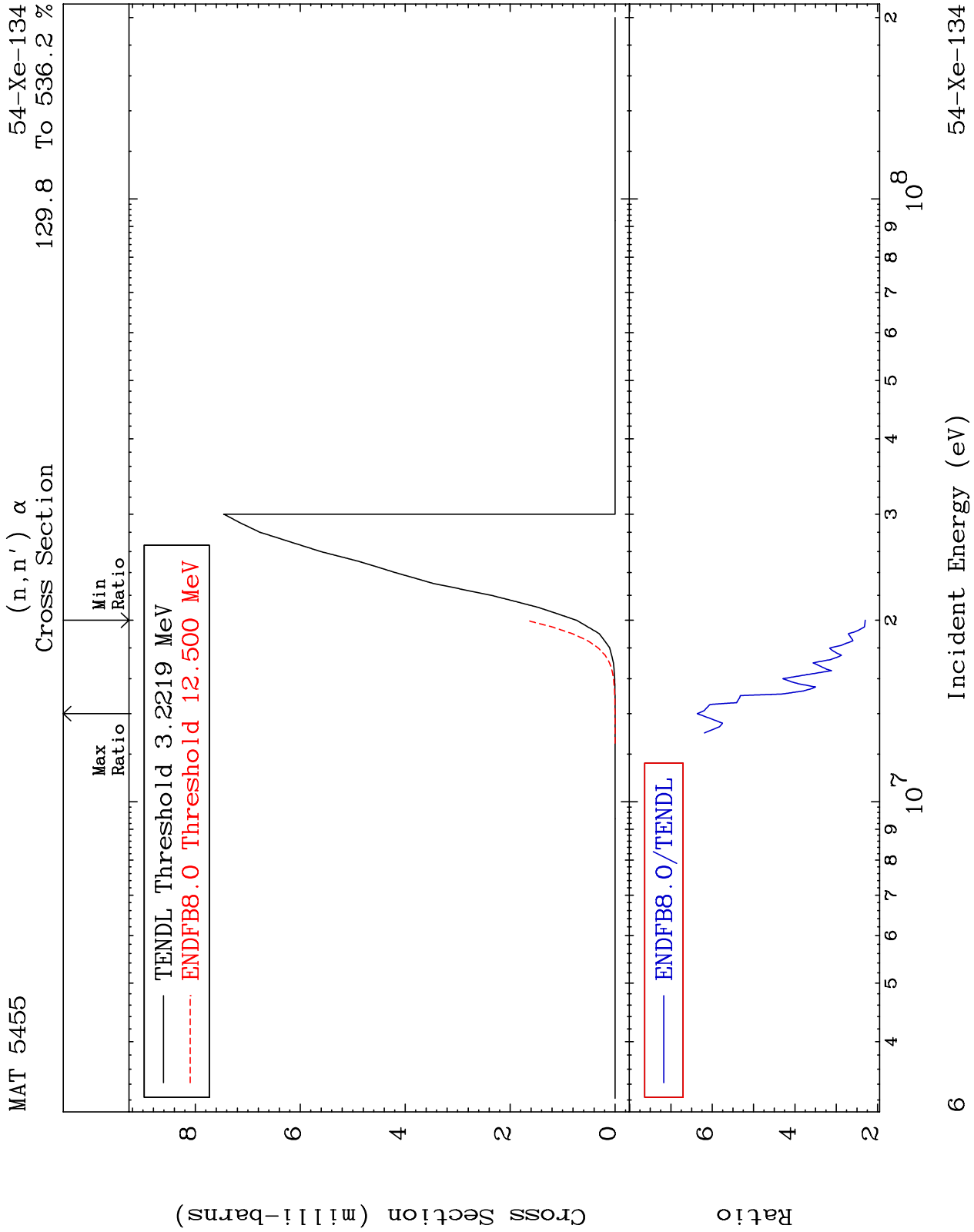
(n,3n)

54-Xe-134

Cross Section

-93.59 To -26.71%





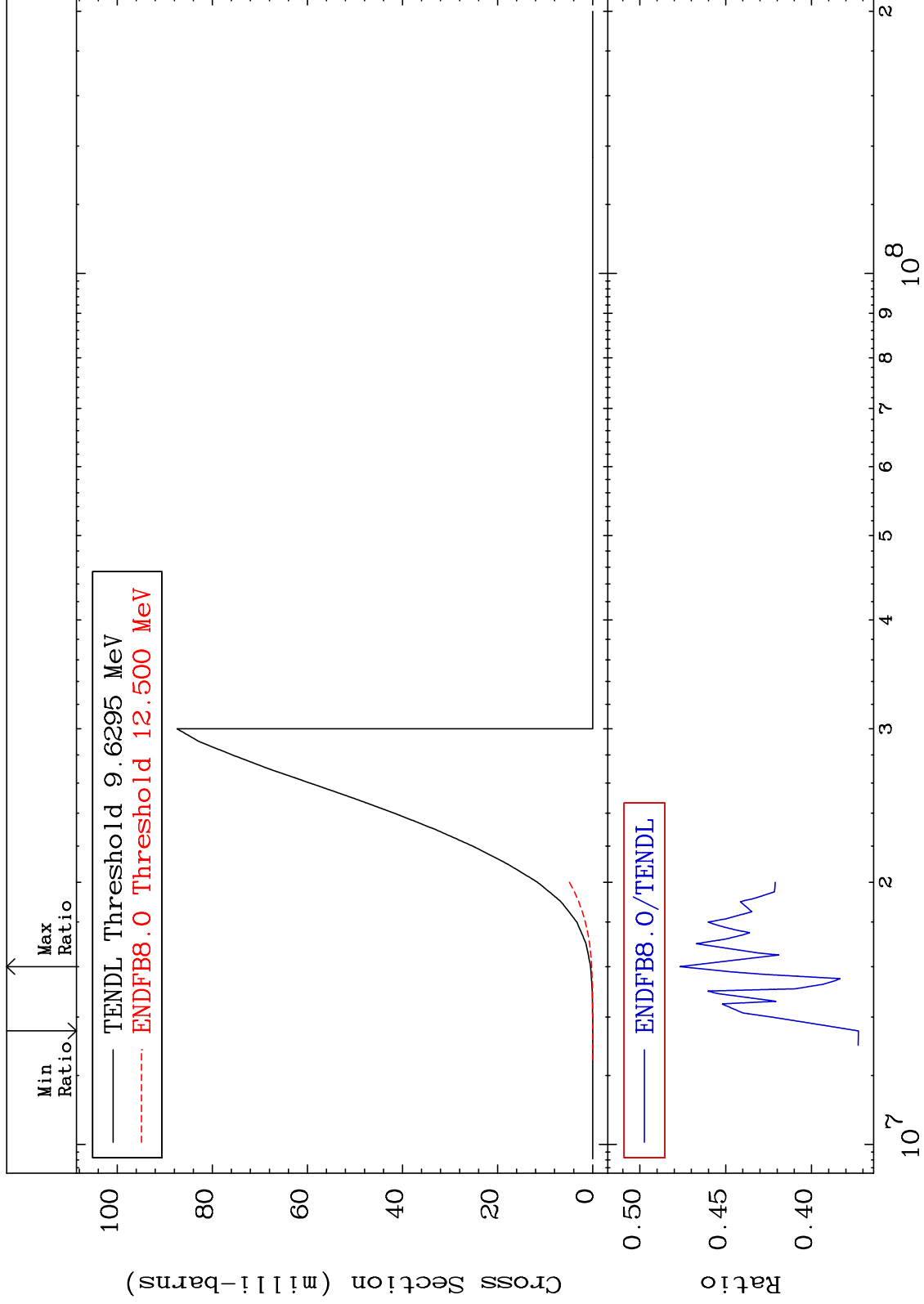
MAT 5455

(n,n') p

54-Xe-134

Cross Section

-62.73 To -52.34%



Incident Energy (eV)

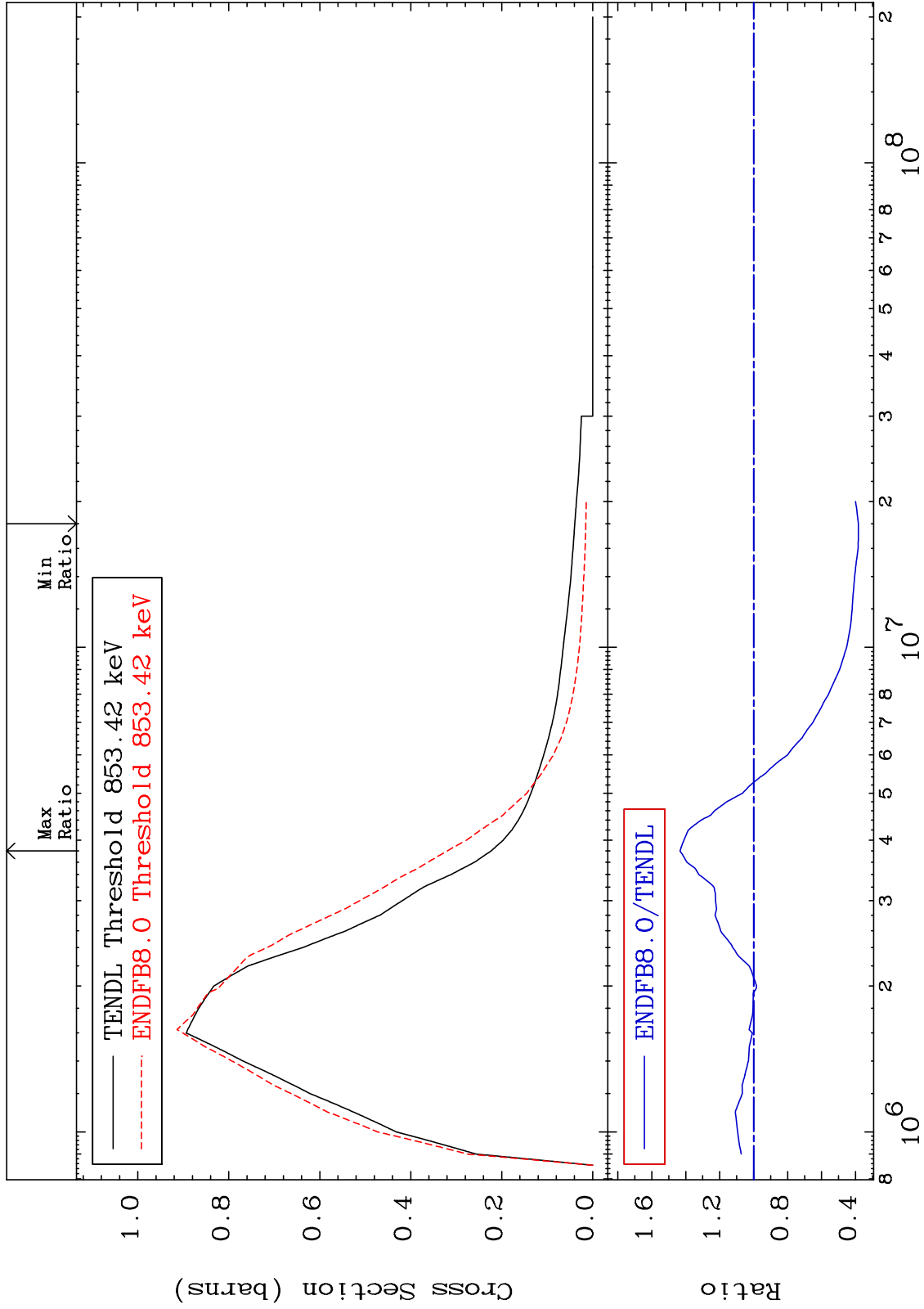
54-Xe-134



MAT 5455

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

54-Xe-134  
-61.67 To 43.36 %

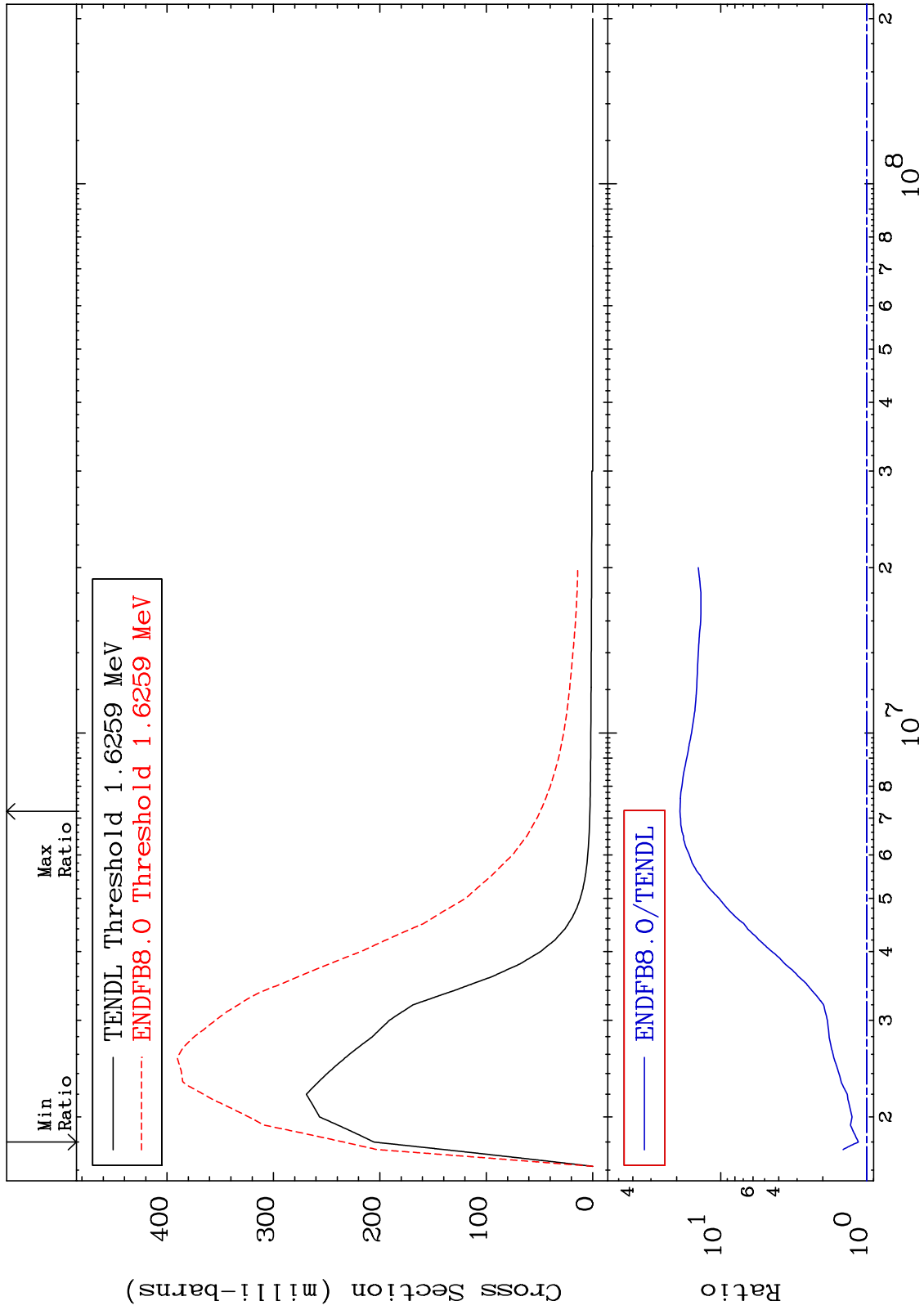


54-Xe-134

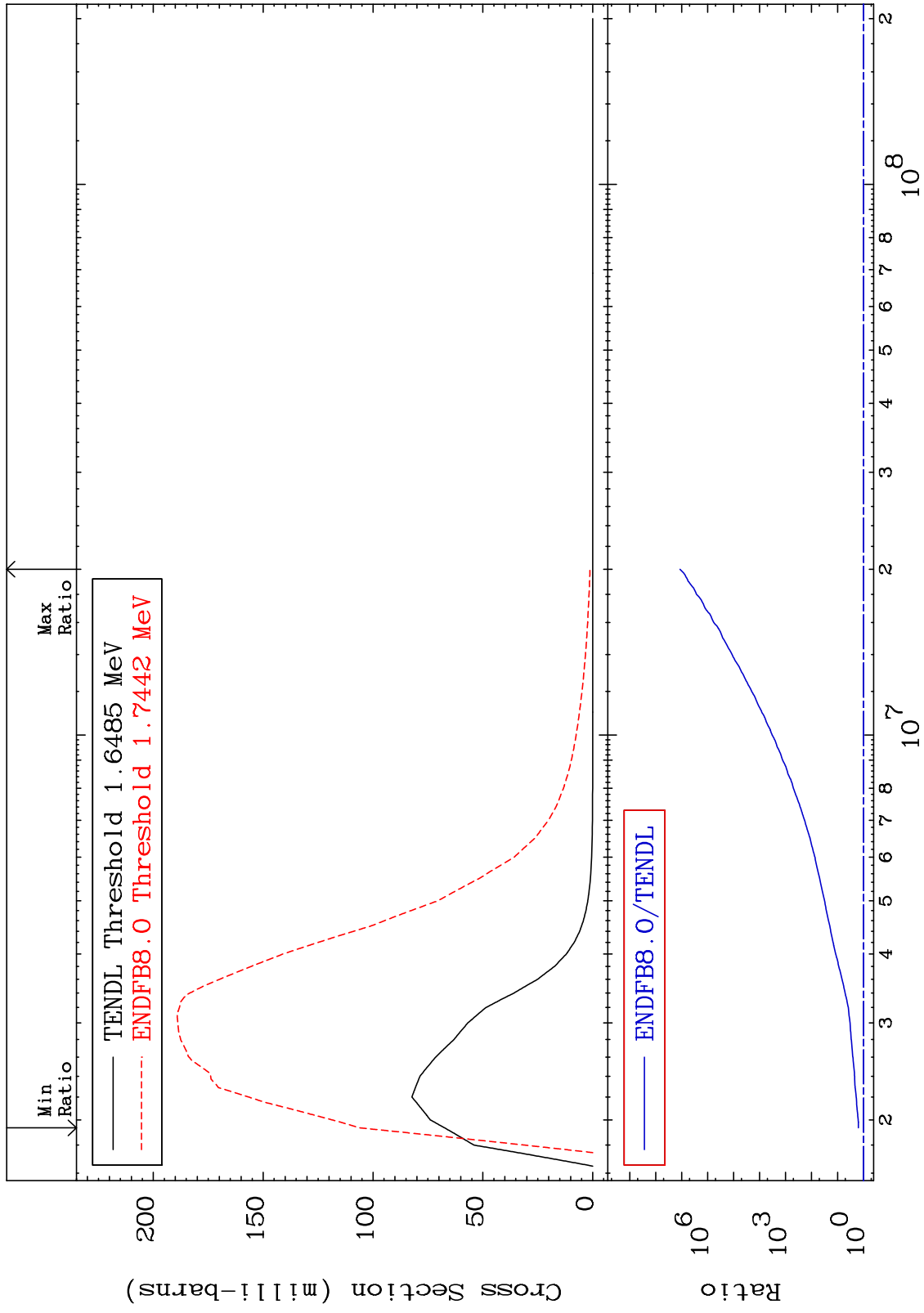
Incident Energy (eV)

8

MAT 5455 MT= 52 (n,n') Level Cross Section 54-Xe-134 To 1799. %



MAT 5455 MT= 53 (n,n') Level Cross Section 54-Xe-134 57.28 To 9999. %

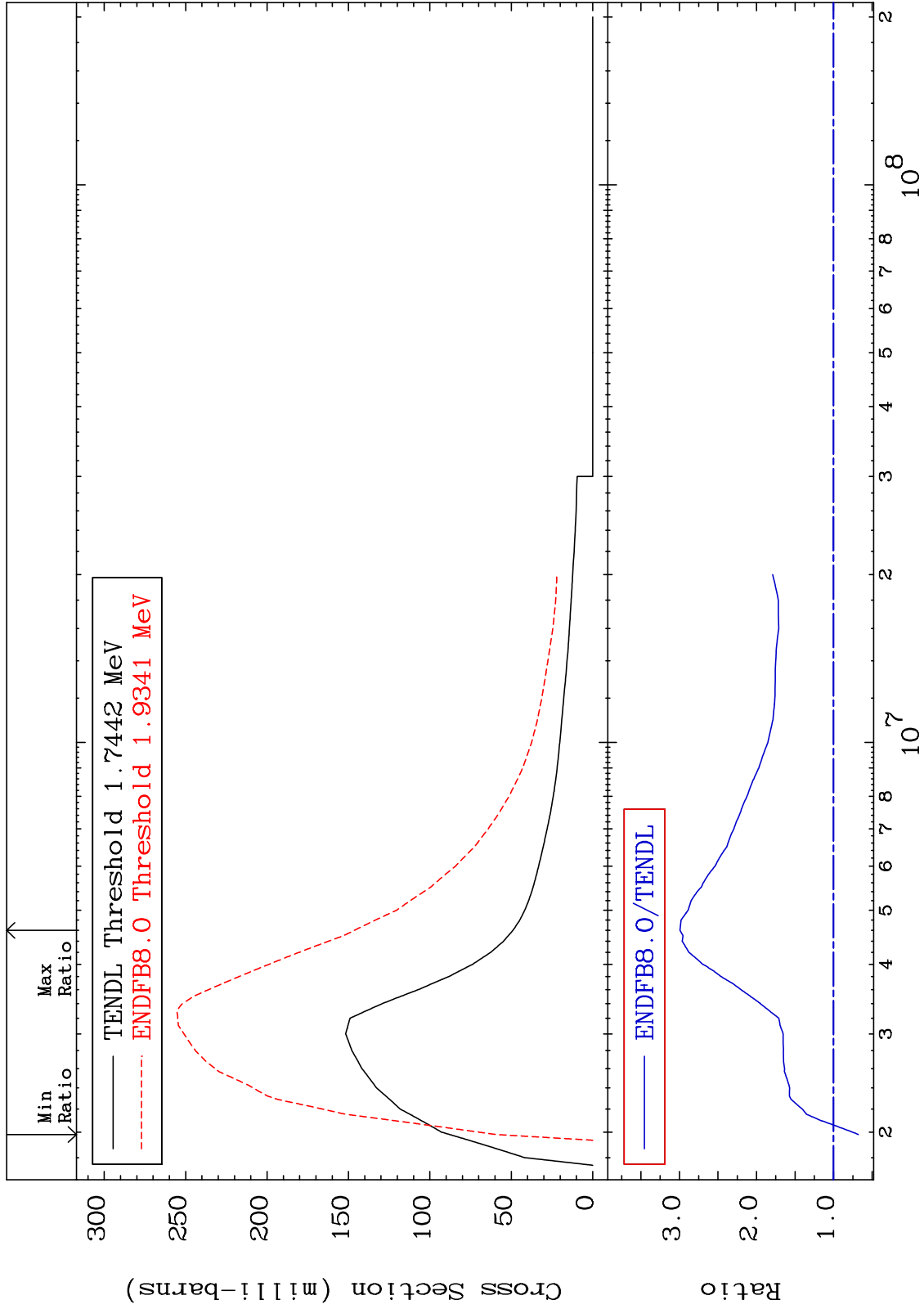


10 Incident Energy (eV) 54-Xe-134

MAT 5455

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

54-Xe-134  
-32.27 To 199.2 %



11

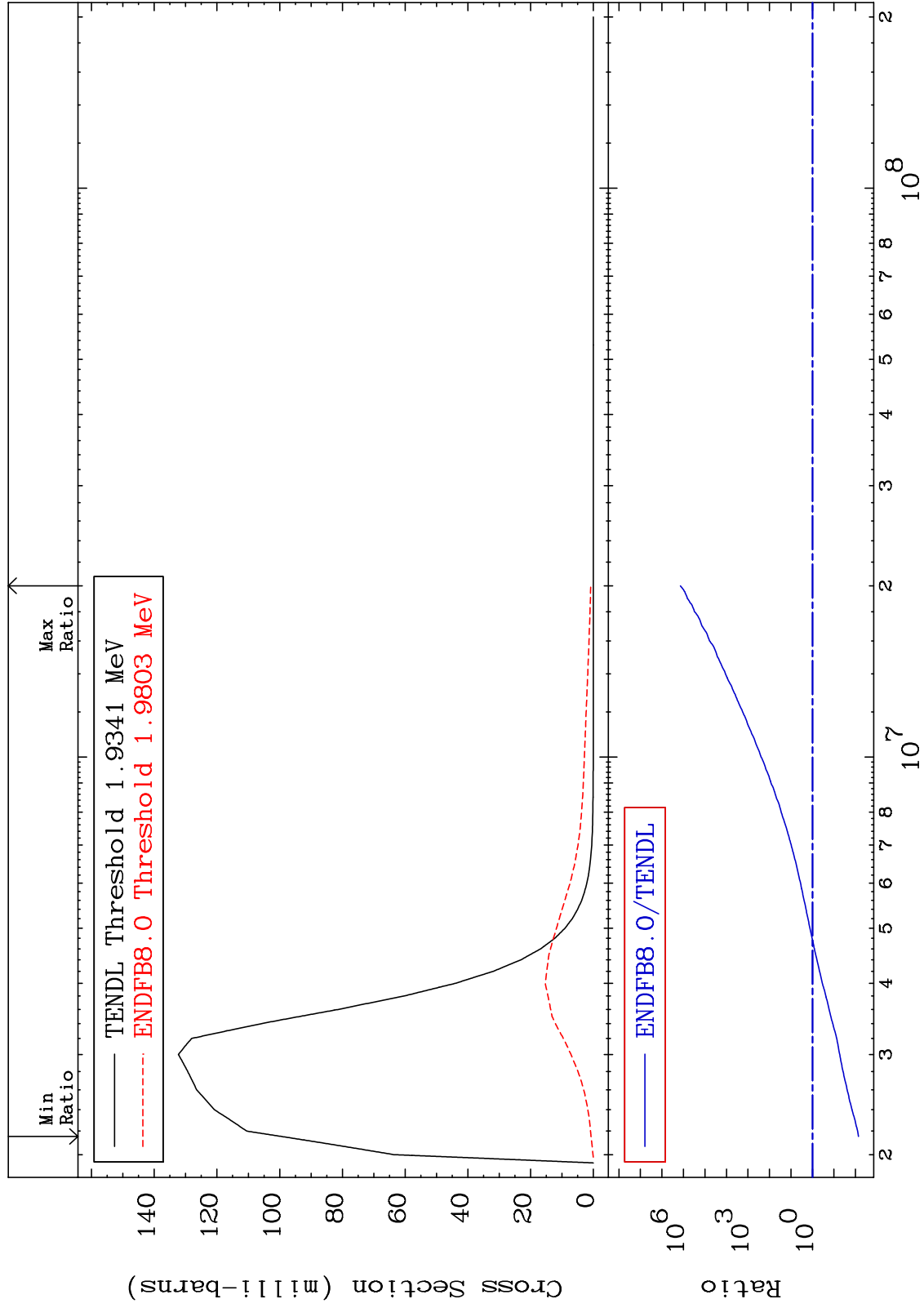
Incident Energy (eV)

54-Xe-134

MAT 5455

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

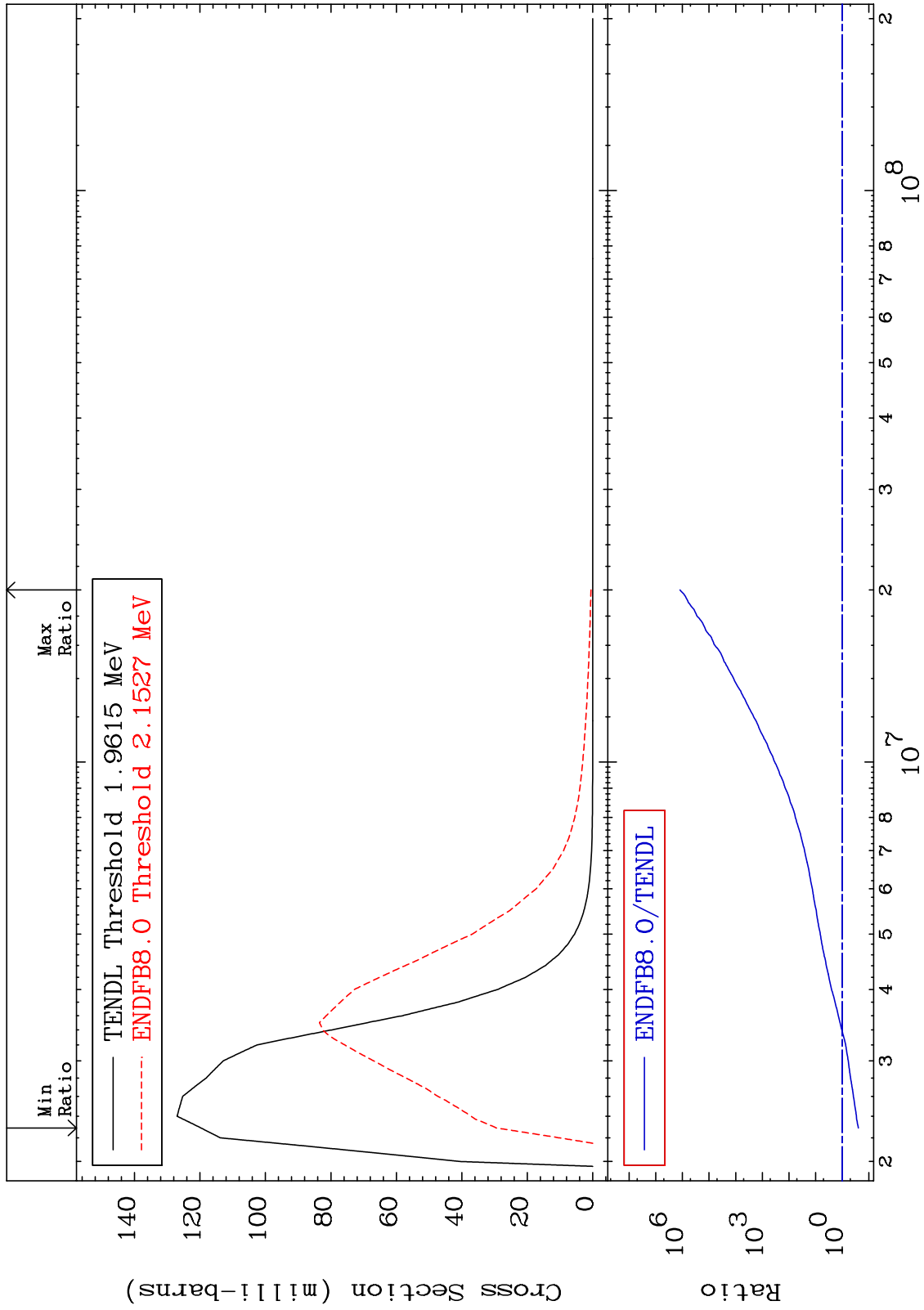
54-Xe-134  
-99.28 To 9999. %



MAT 5455

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

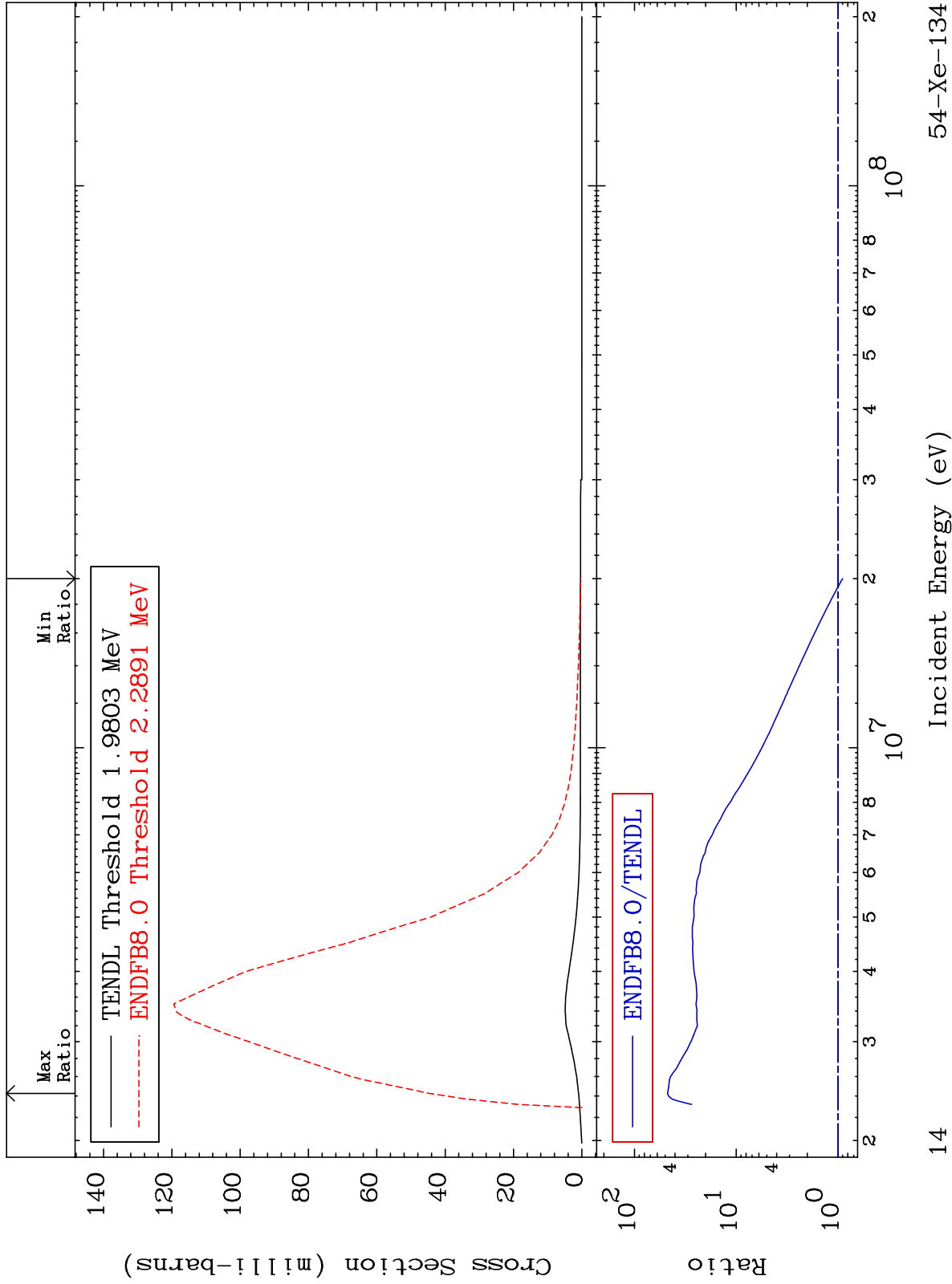
54-Xe-134  
-75.43 To 9999. %



MAT 5455

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

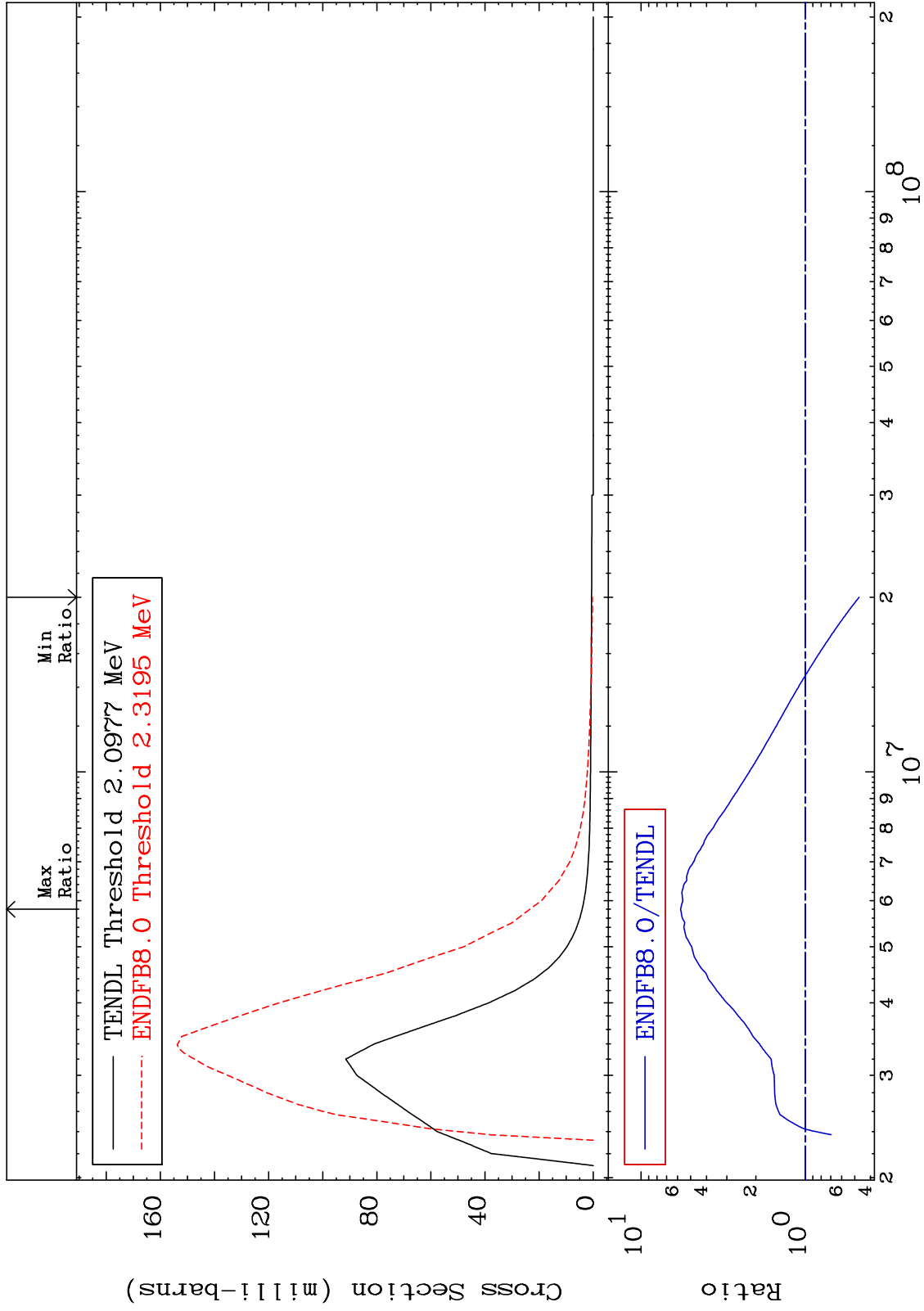
54-Xe-134  
-10.17 To 4638. %



MAT 5455

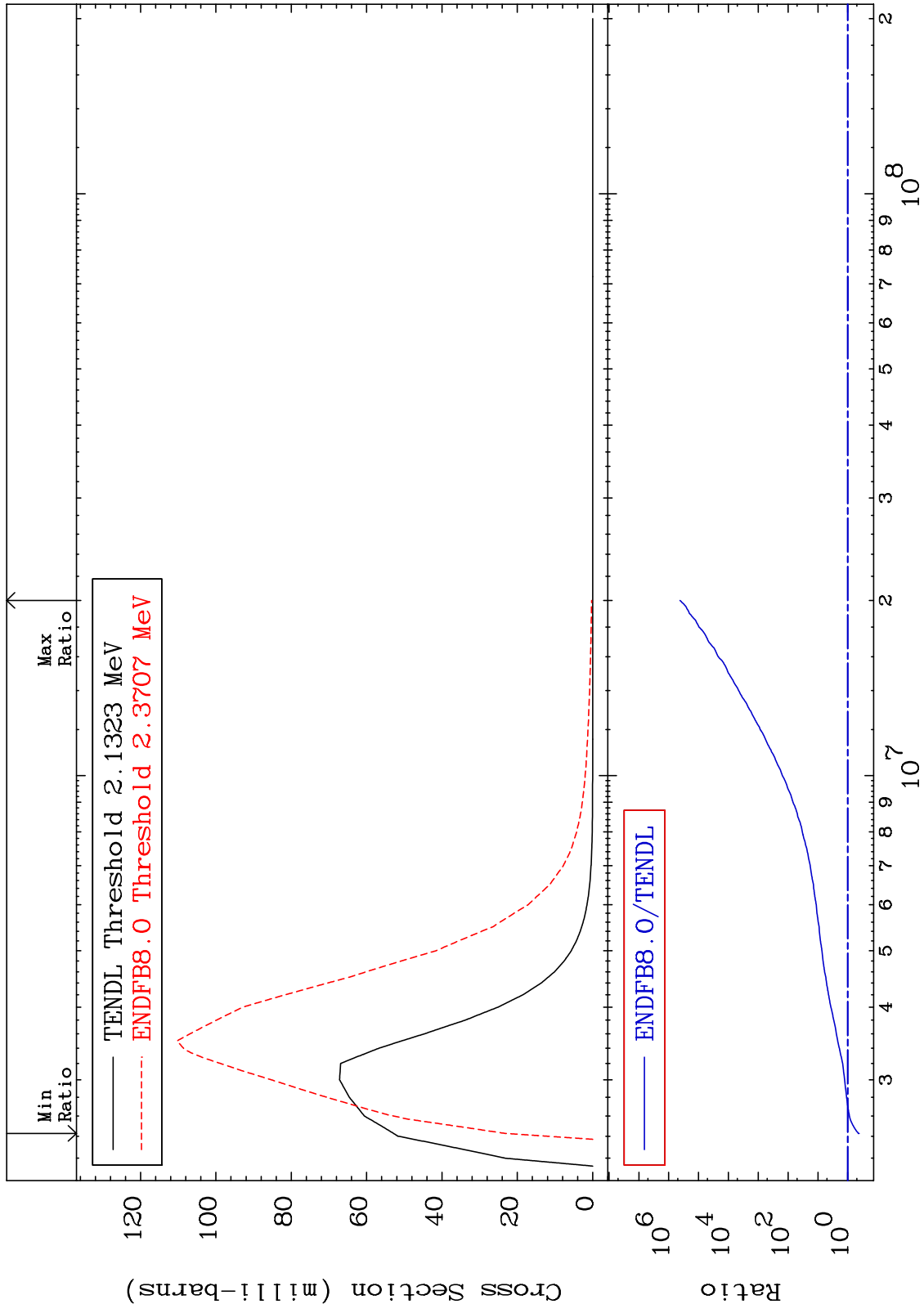
MT= 58 (n,n') Level  
Cross Section

54-Xe-134  
-53.07 To 474.5 %





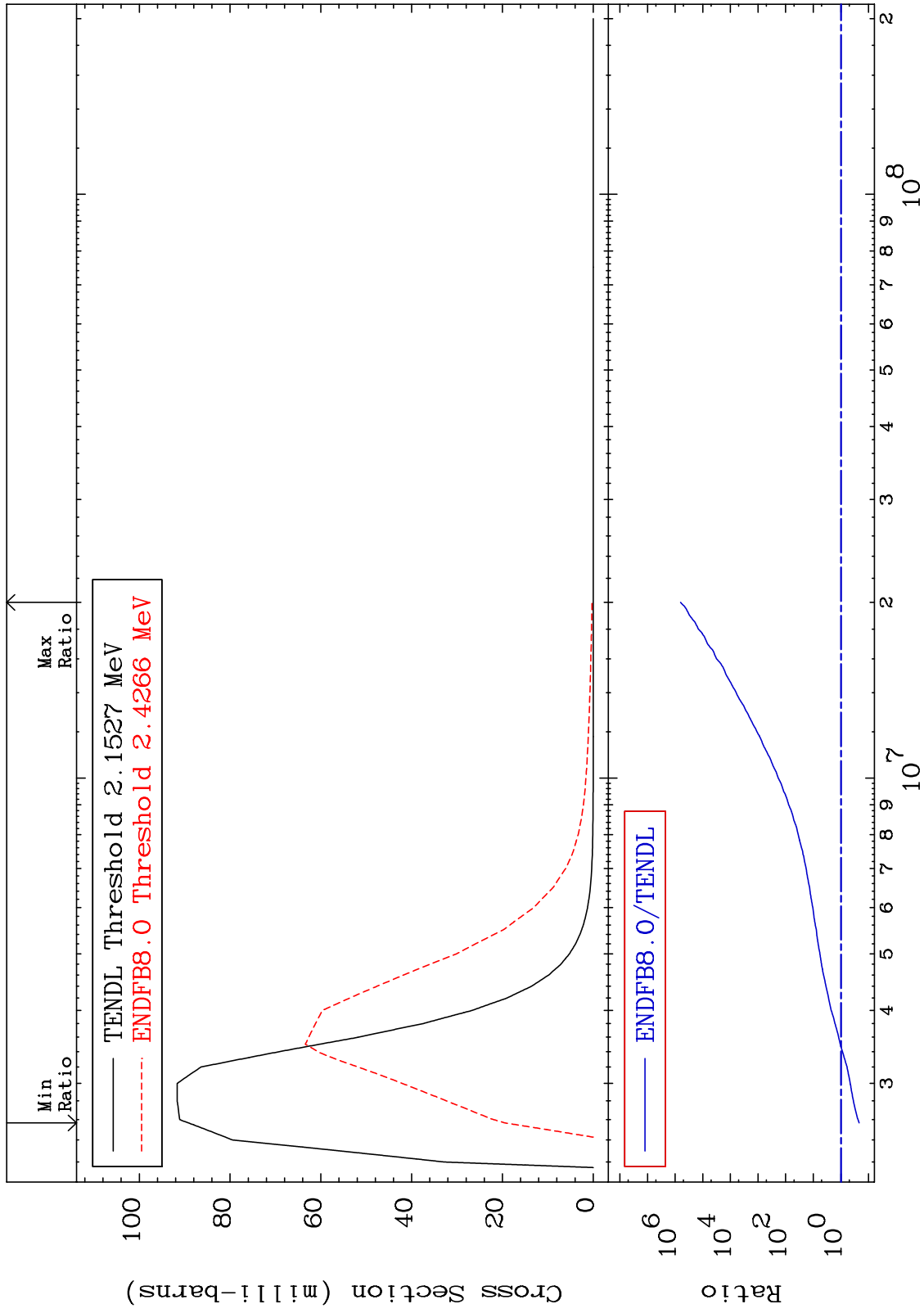
MAT 5455 MT= 59 (n,n') Level Cross Section 54-Xe-134 -56.07 To 9999. %



MAT 5455

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

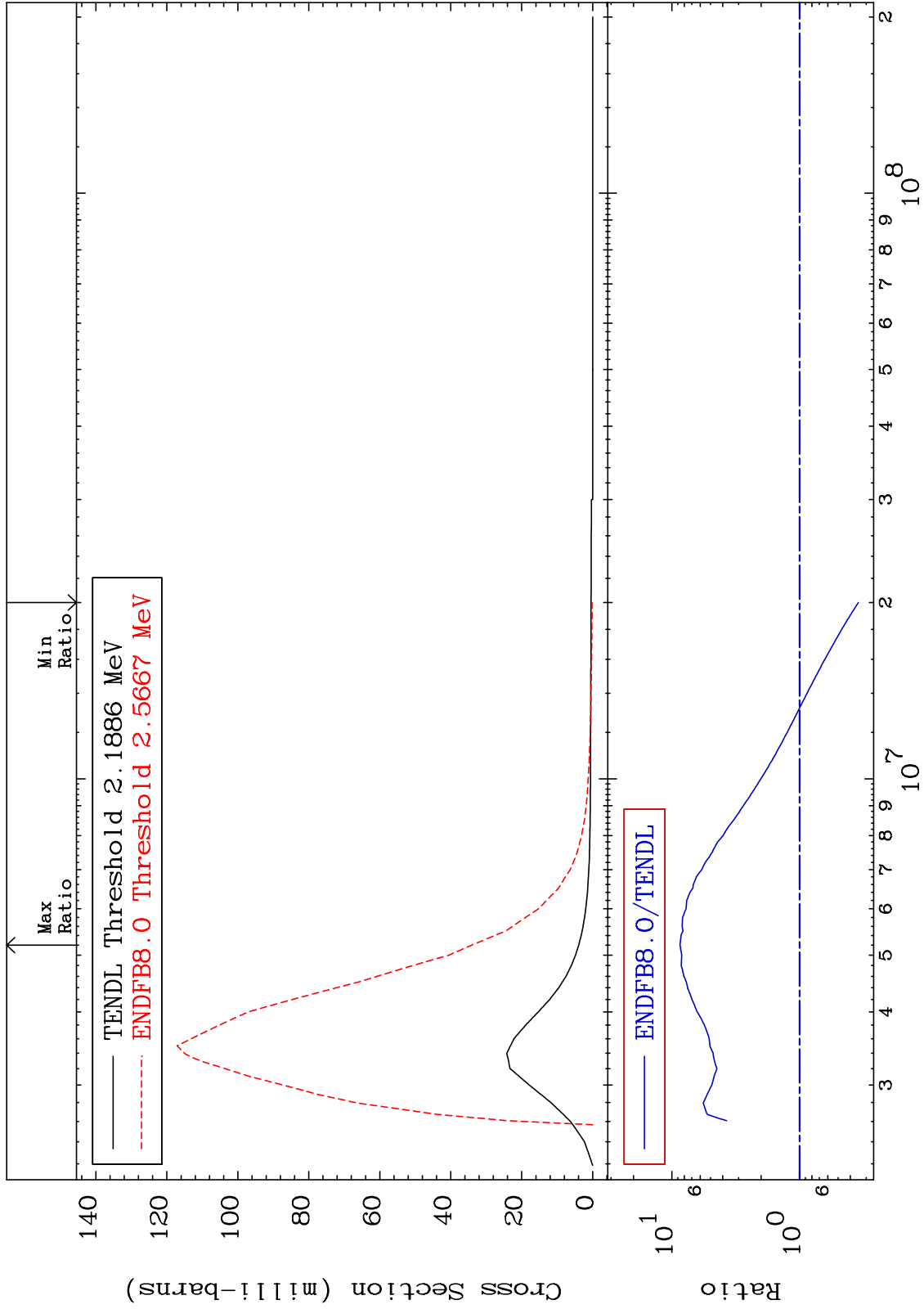
54-Xe-134  
-78.17 To 9999. %



MAT 5455

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

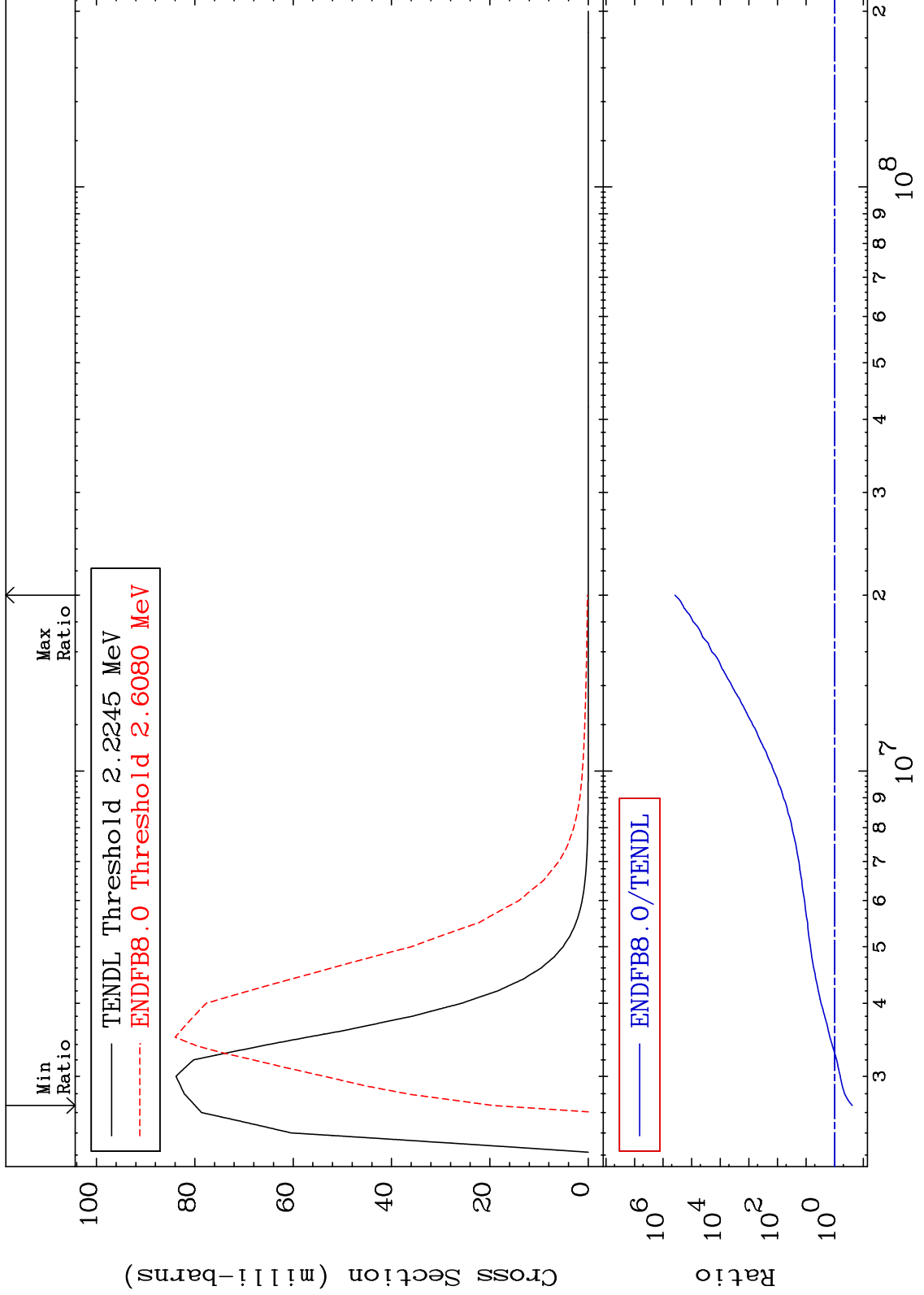
54-Xe-134  
-65.42 To 765.1 %



MAT 5455

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

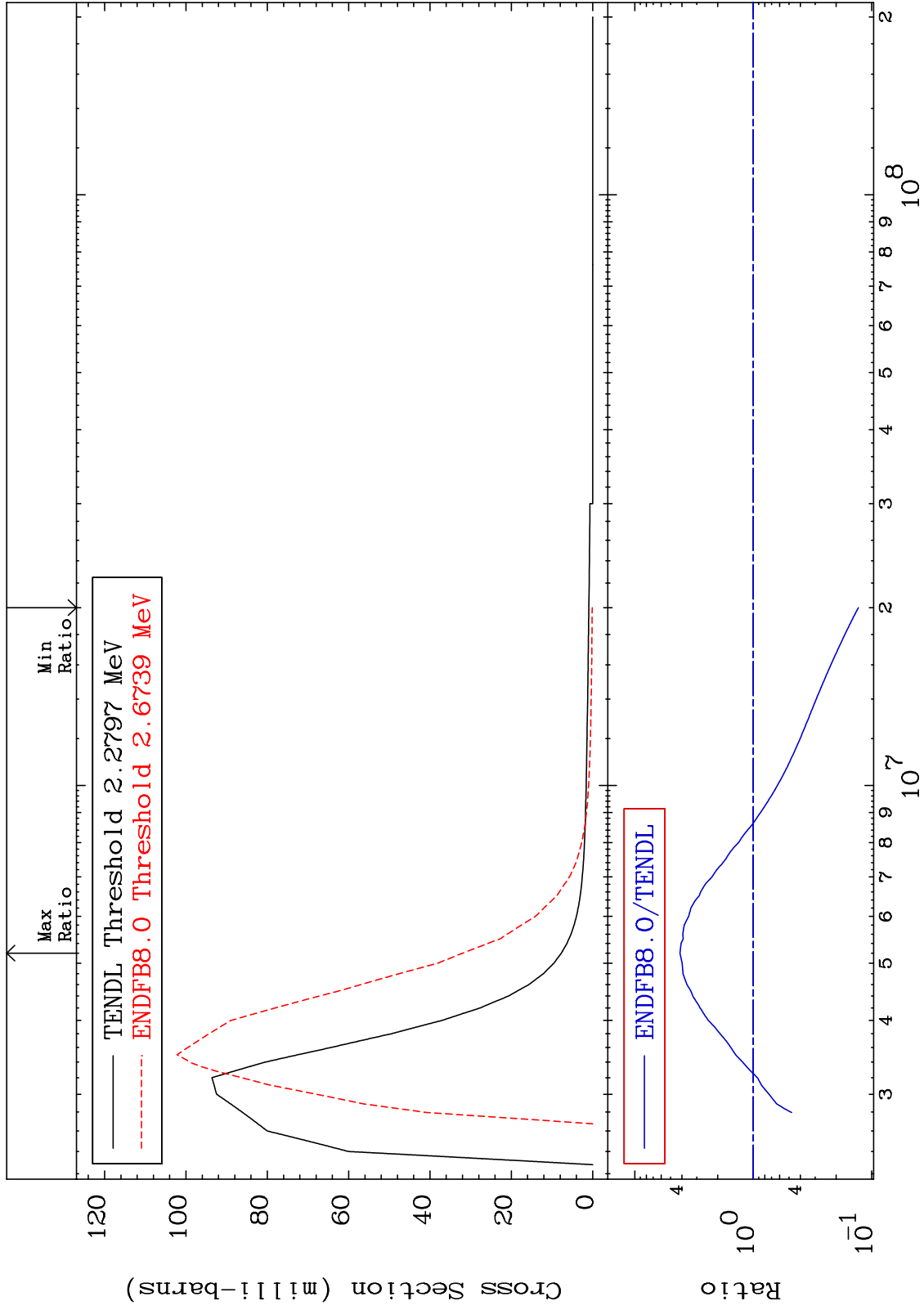
54-Xe-134  
-75.75 To 9999. %



MAT 5455

MT= 63 (n,n') Level  
Cross Section

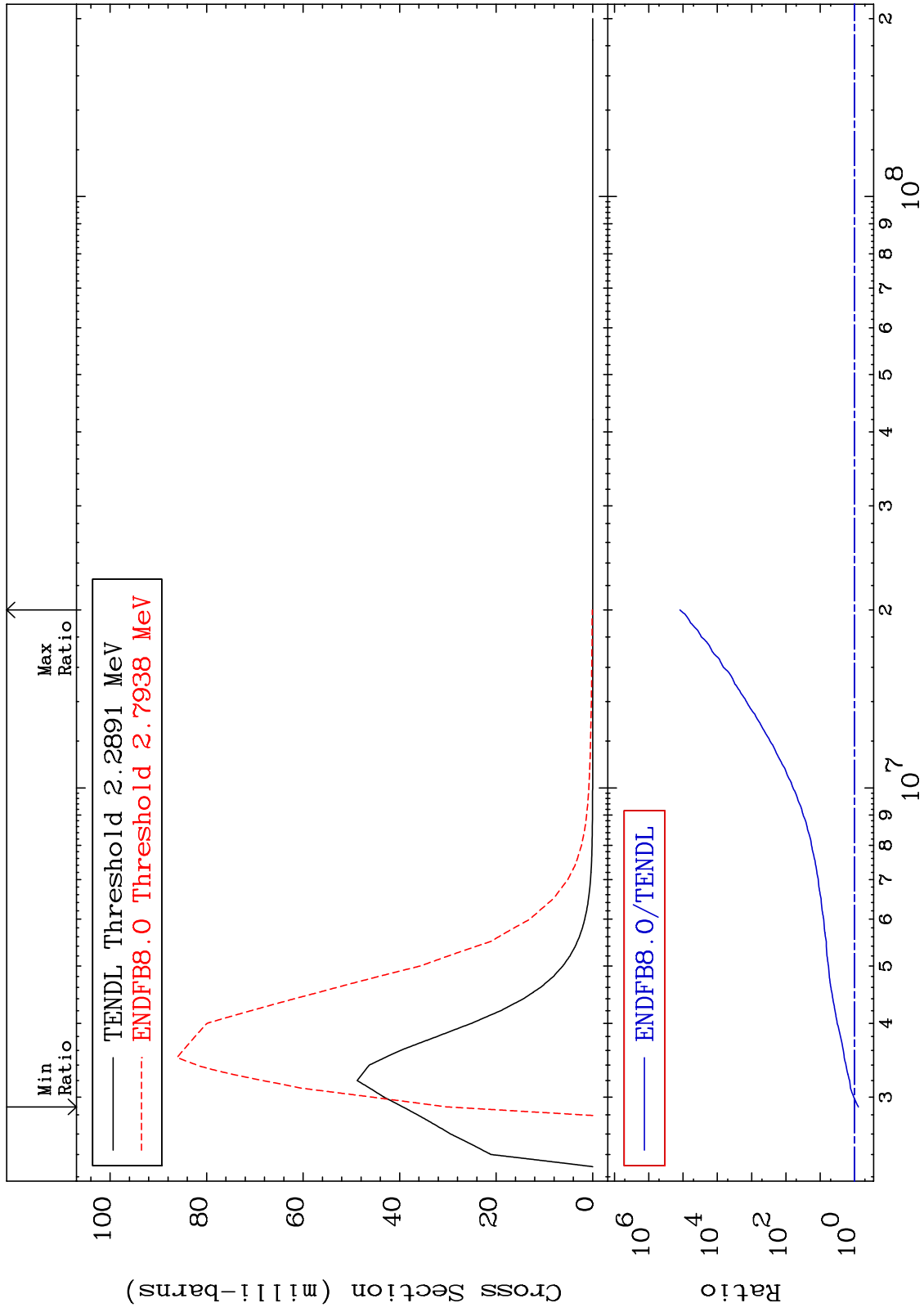
54-Xe-134  
-87.06 To 315.6 %



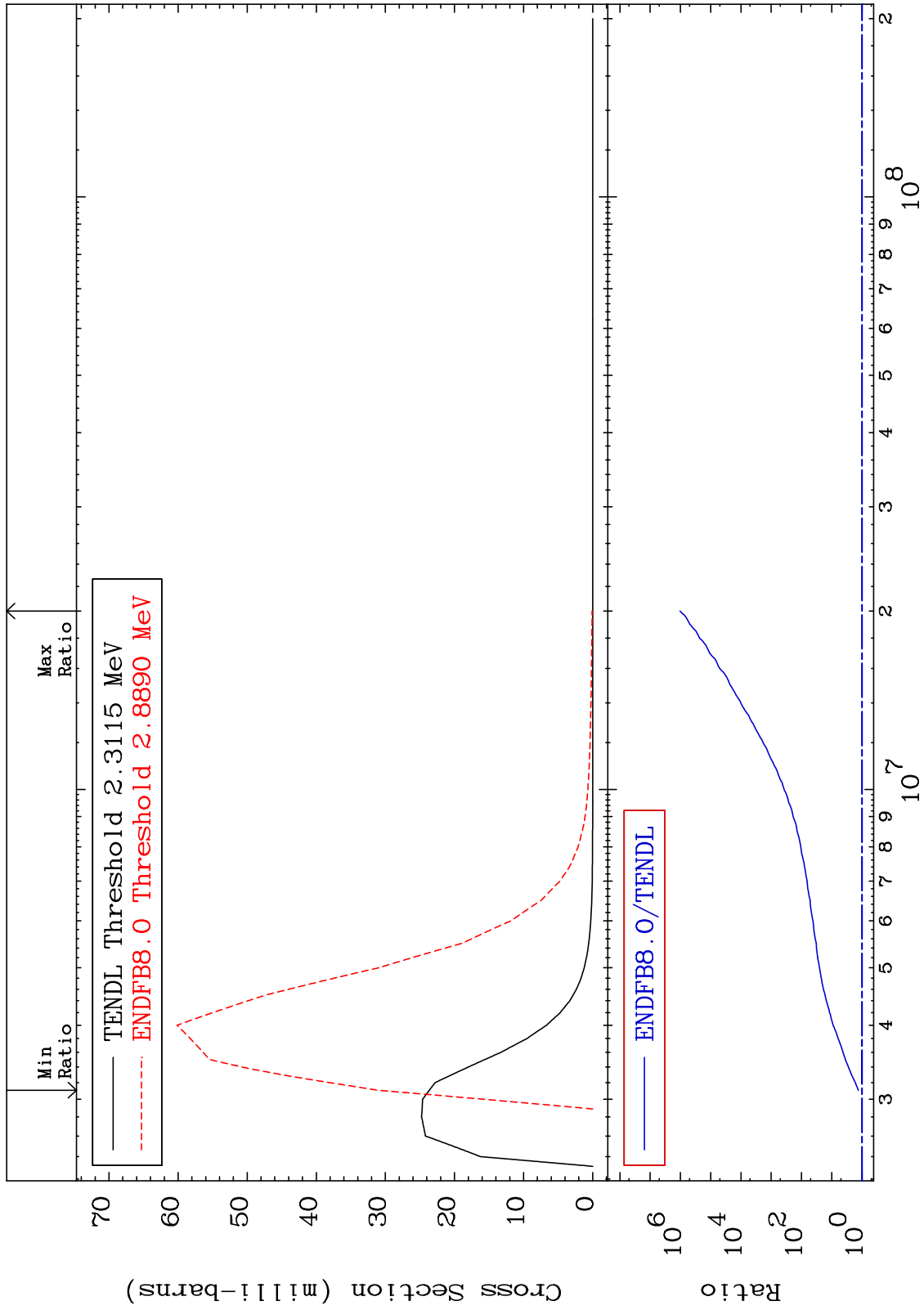
MAT 5455

MT= 64 (n,n') Level  
Cross Section

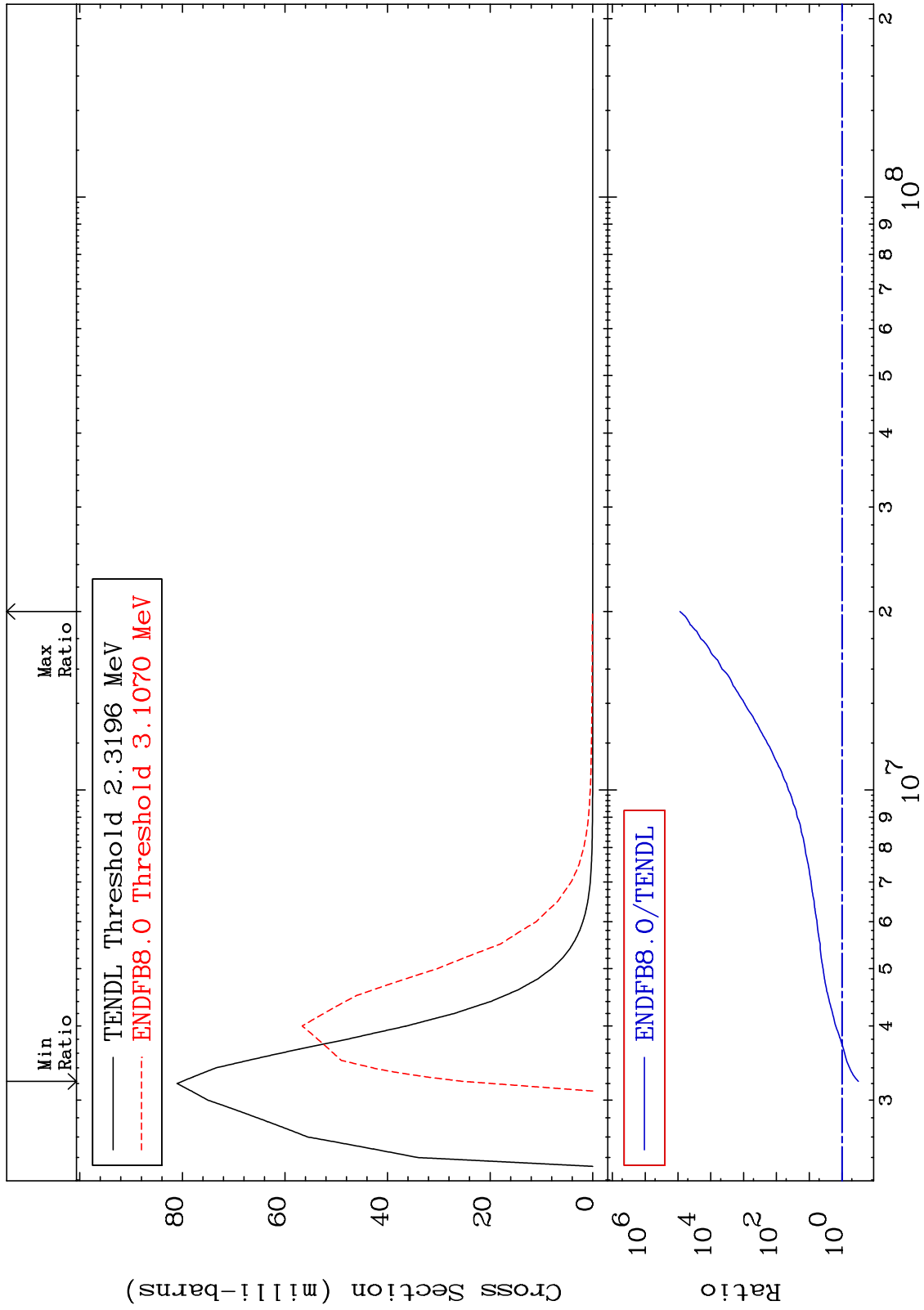
54-Xe-134  
-22.92 To 9999. %



MAT 5455 MT= 65 (n,n') Level Cross Section 54-Xe-134 To 9999. %  
 31.70



MAT 5455      MT= 66 (n,n') Level Cross Section      54-Xe-134  
 -68.39 To 9999. %

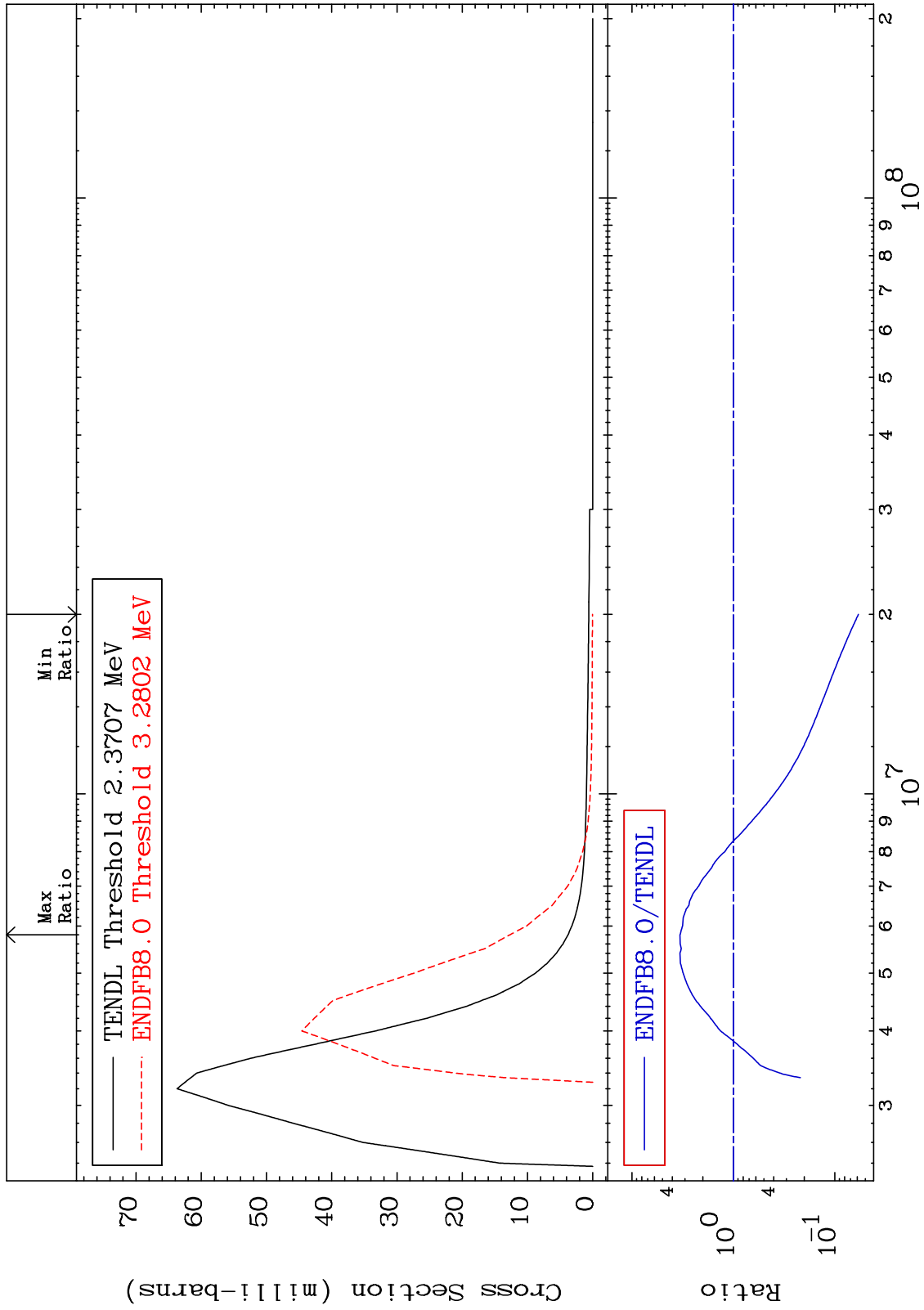




MAT 5455

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

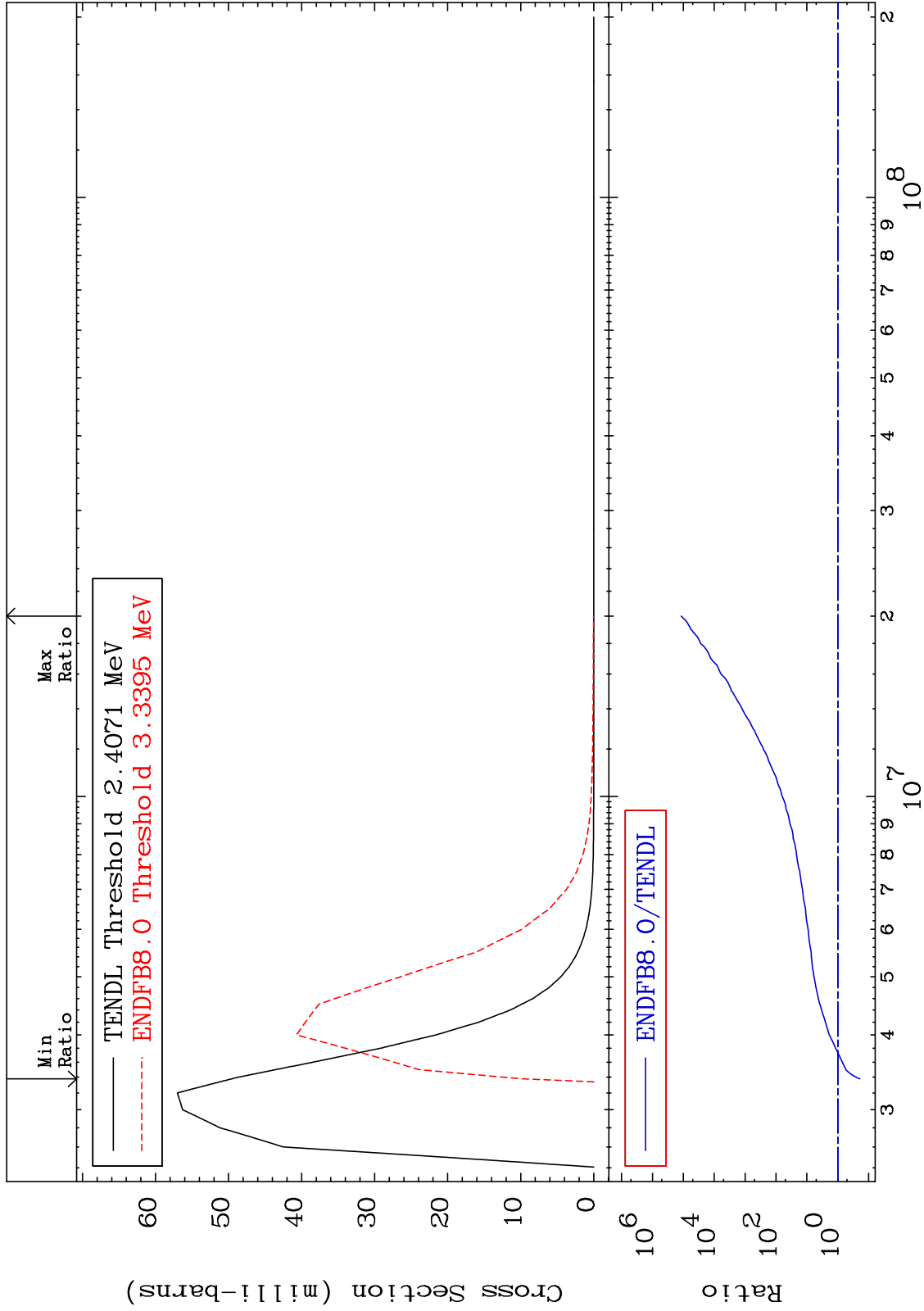
54-Xe-134  
-94.15 To 235.4 %



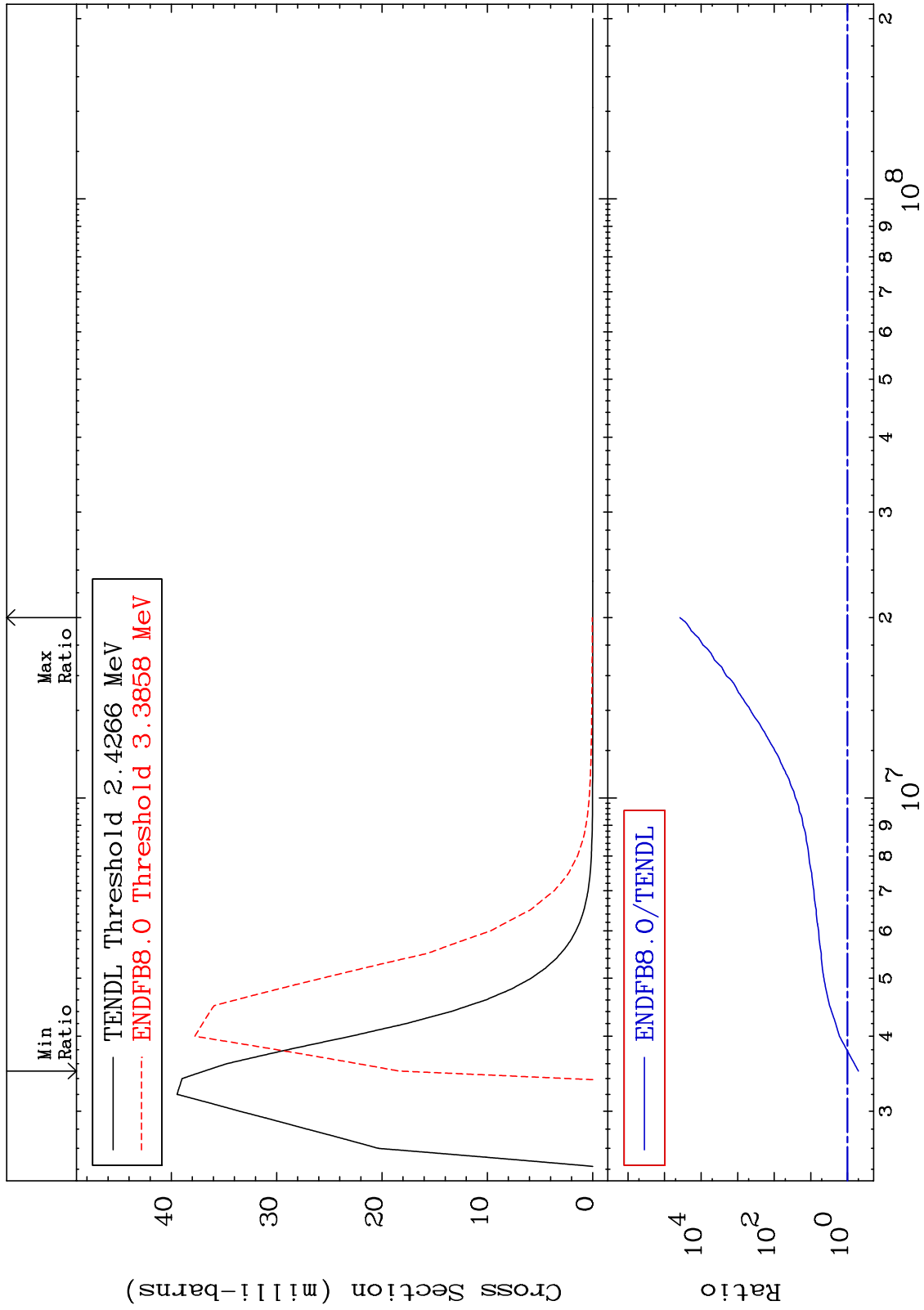
MAT 5455

MT= 68 (n,n') Level  
Cross Section

54-Xe-134  
-80.82 To 9999. %



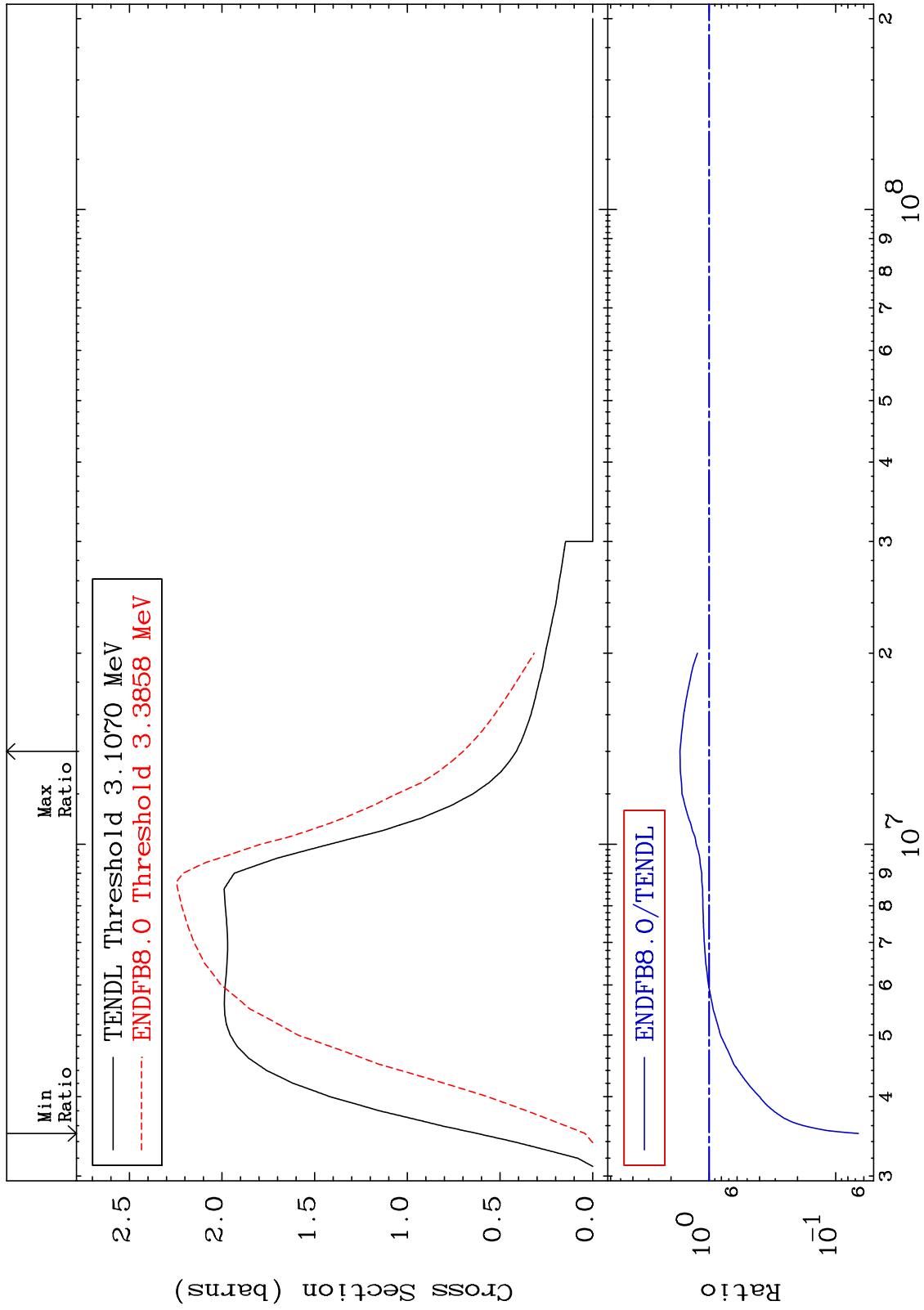
MAT 5455 MT= 69 (n,n') Level Cross Section 54-Xe-134 -50.09 To 9999. %



MAT 5455

(n, n') Continuum  
Cross Section

54-Xe-134  
-93.38 To 69.69 %



27

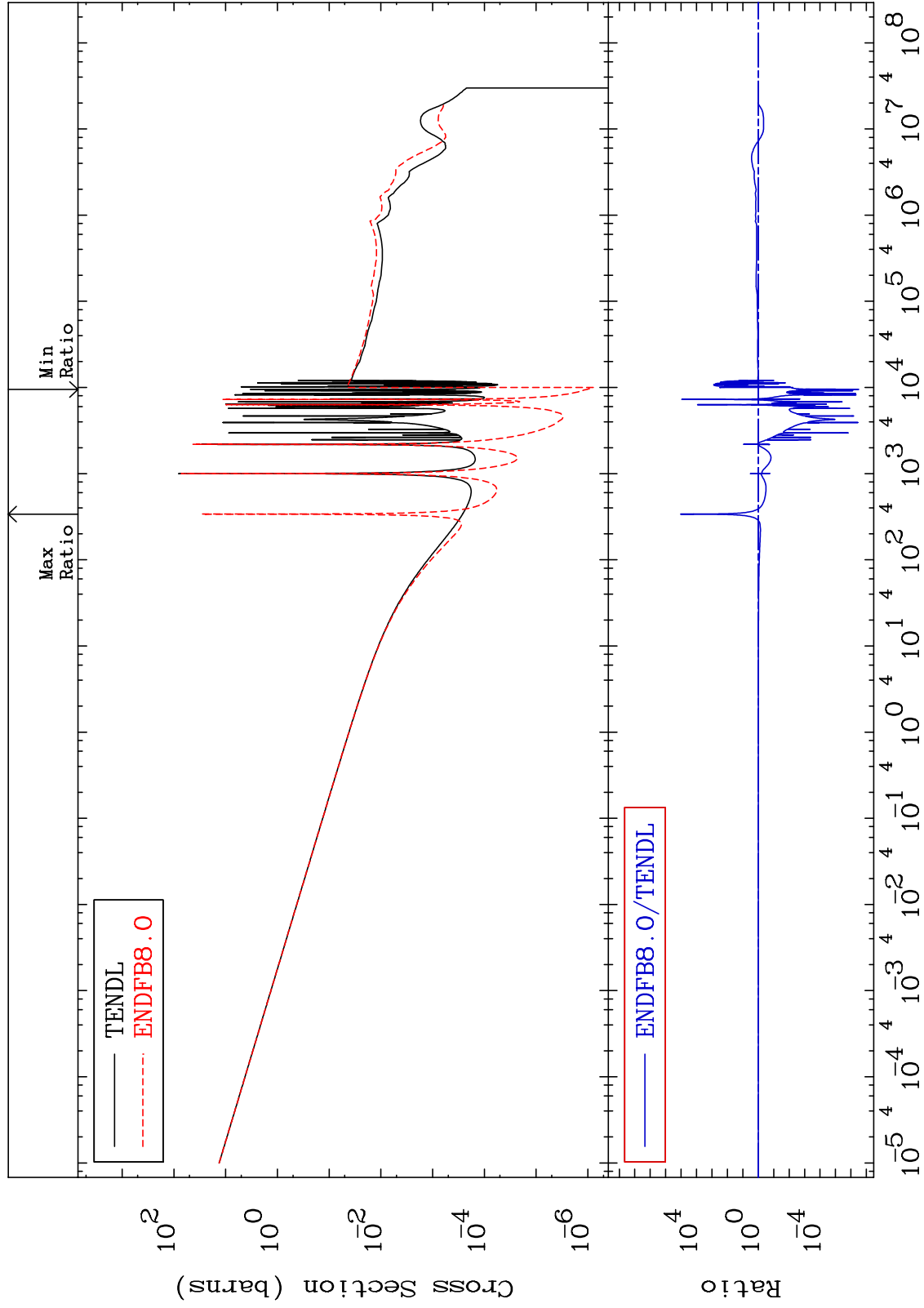
Incident Energy (eV)

54-Xe-134

MAT 5455

54-Xe-134

(n,  $\gamma$ )  
Cross Section  
-100.0 To 9999. %



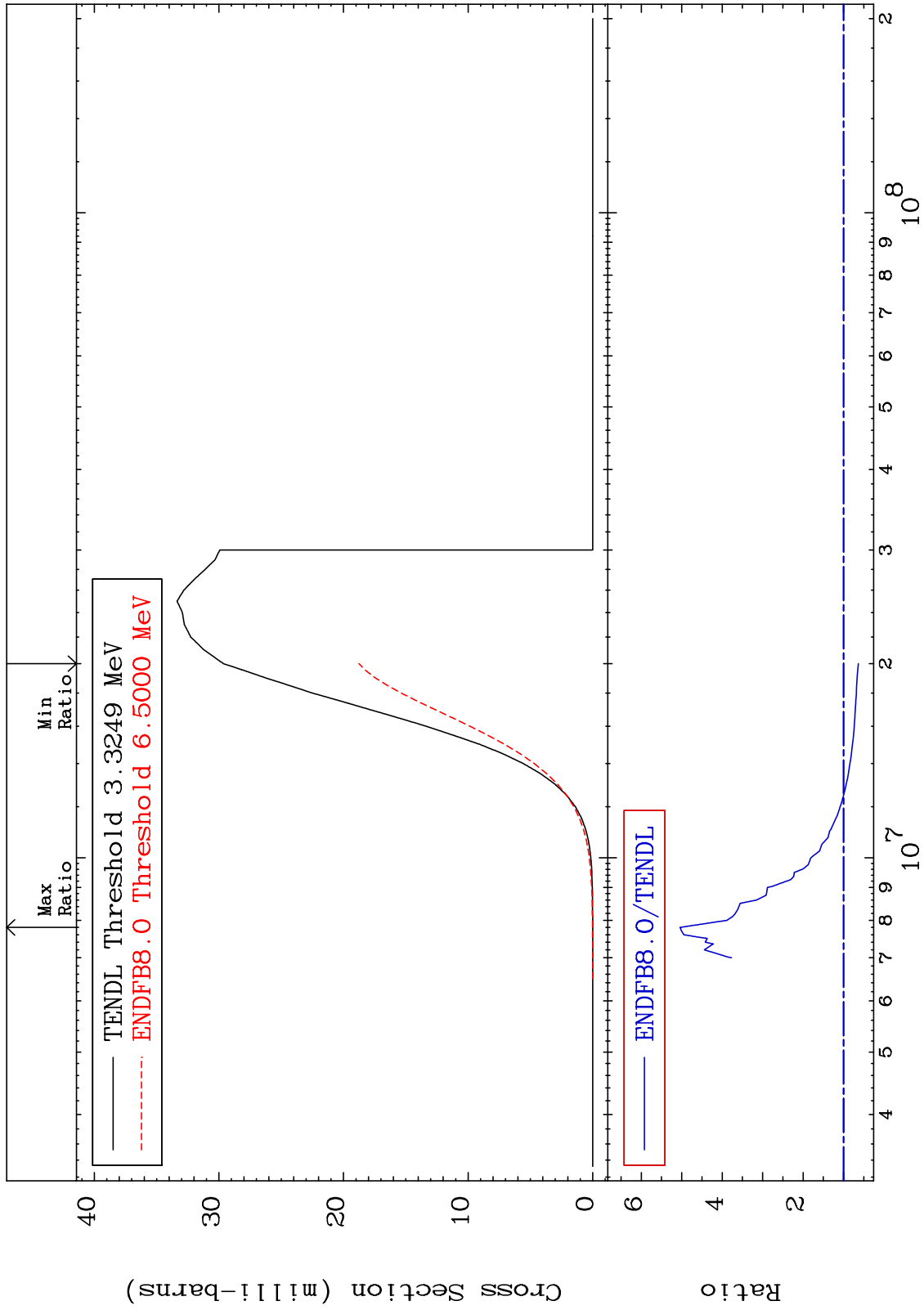
MAT 5455

(n, p)

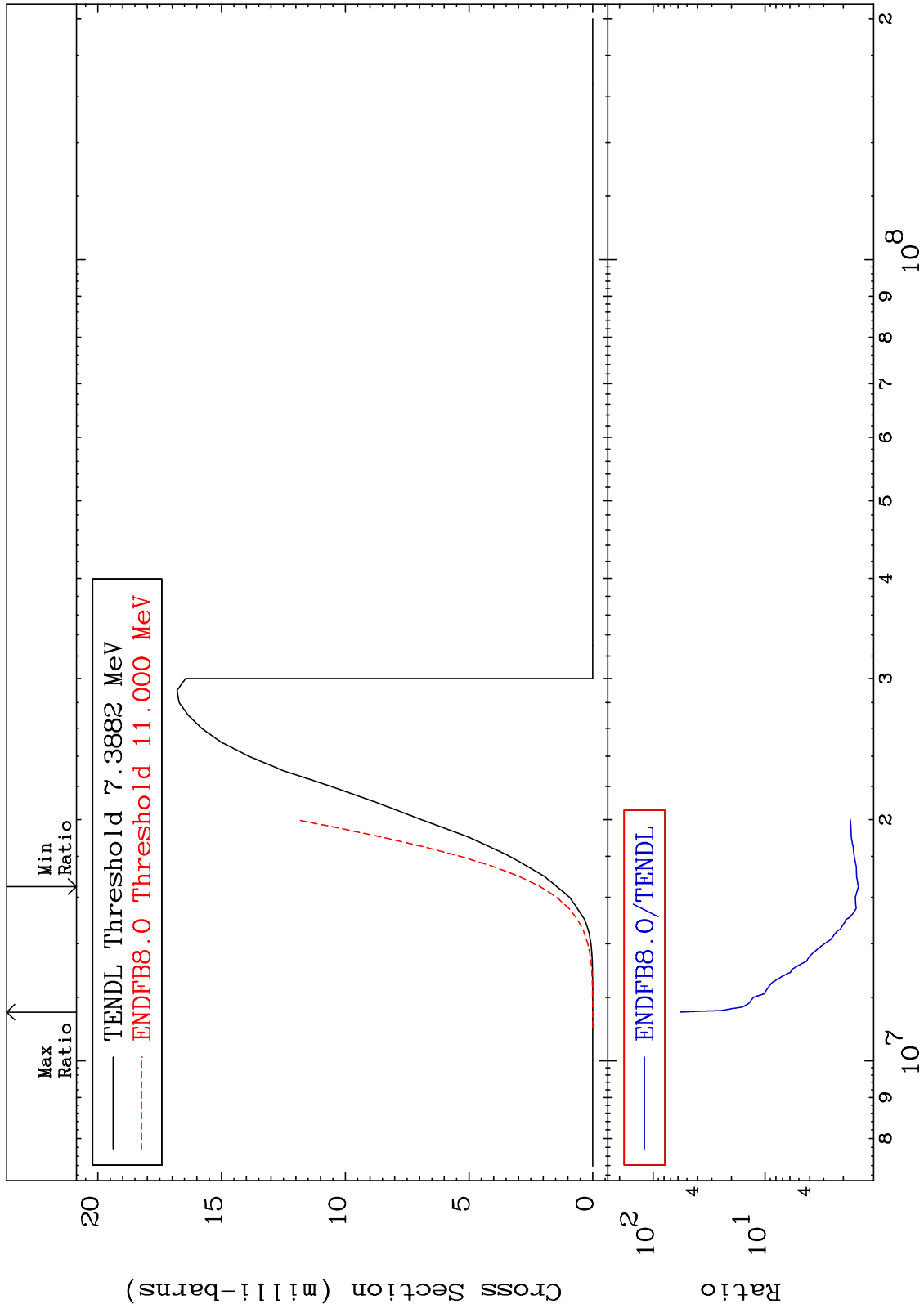
54-Xe-134

Cross Section

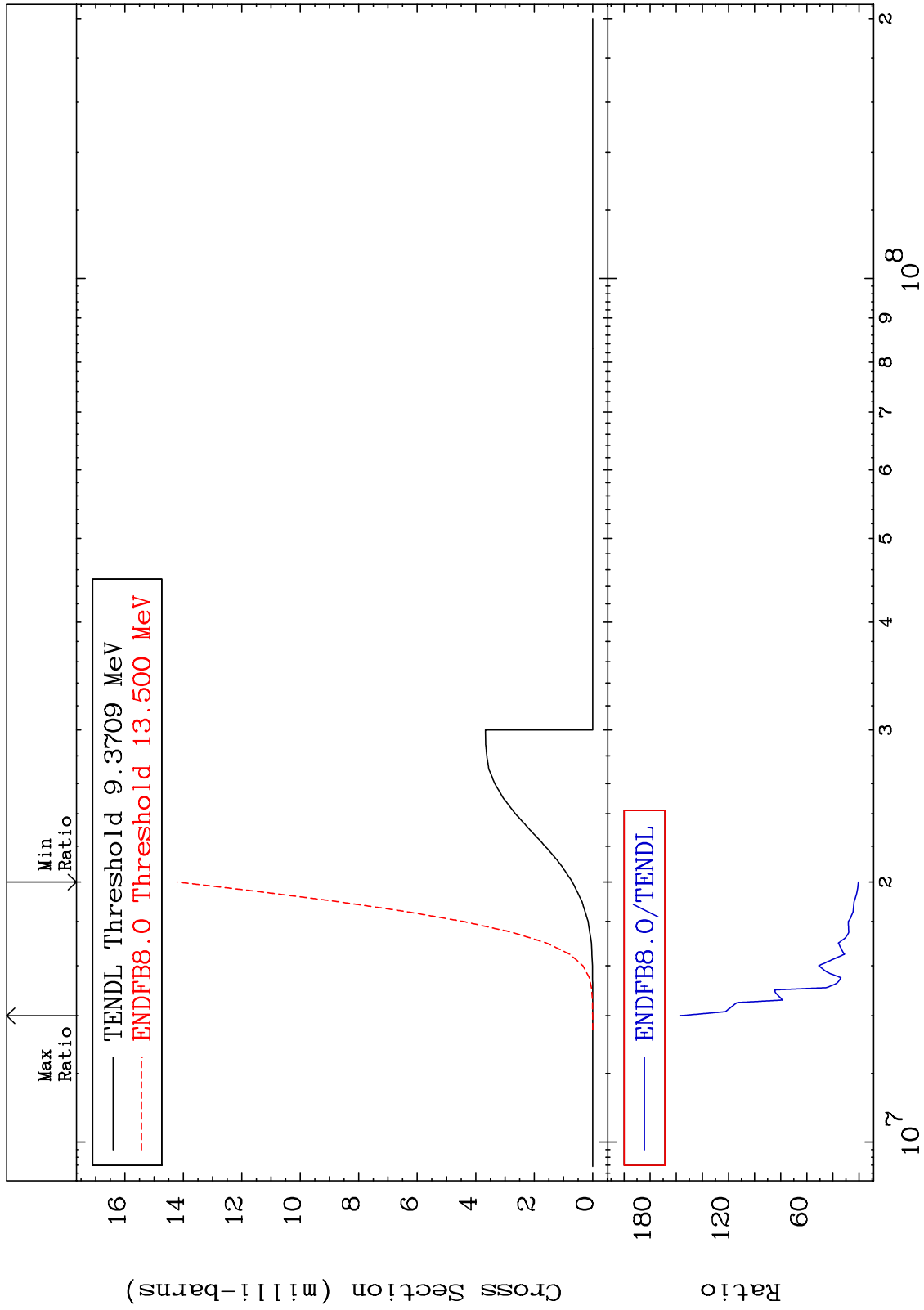
-36.70 To 404.3 %



MAT 5455 (n,d) Cross Section 54-Xe-134 46.70 To 5656. %



MAT 5455 (n, t) Cross Section 54-Xe-134 1950. To 9999. %





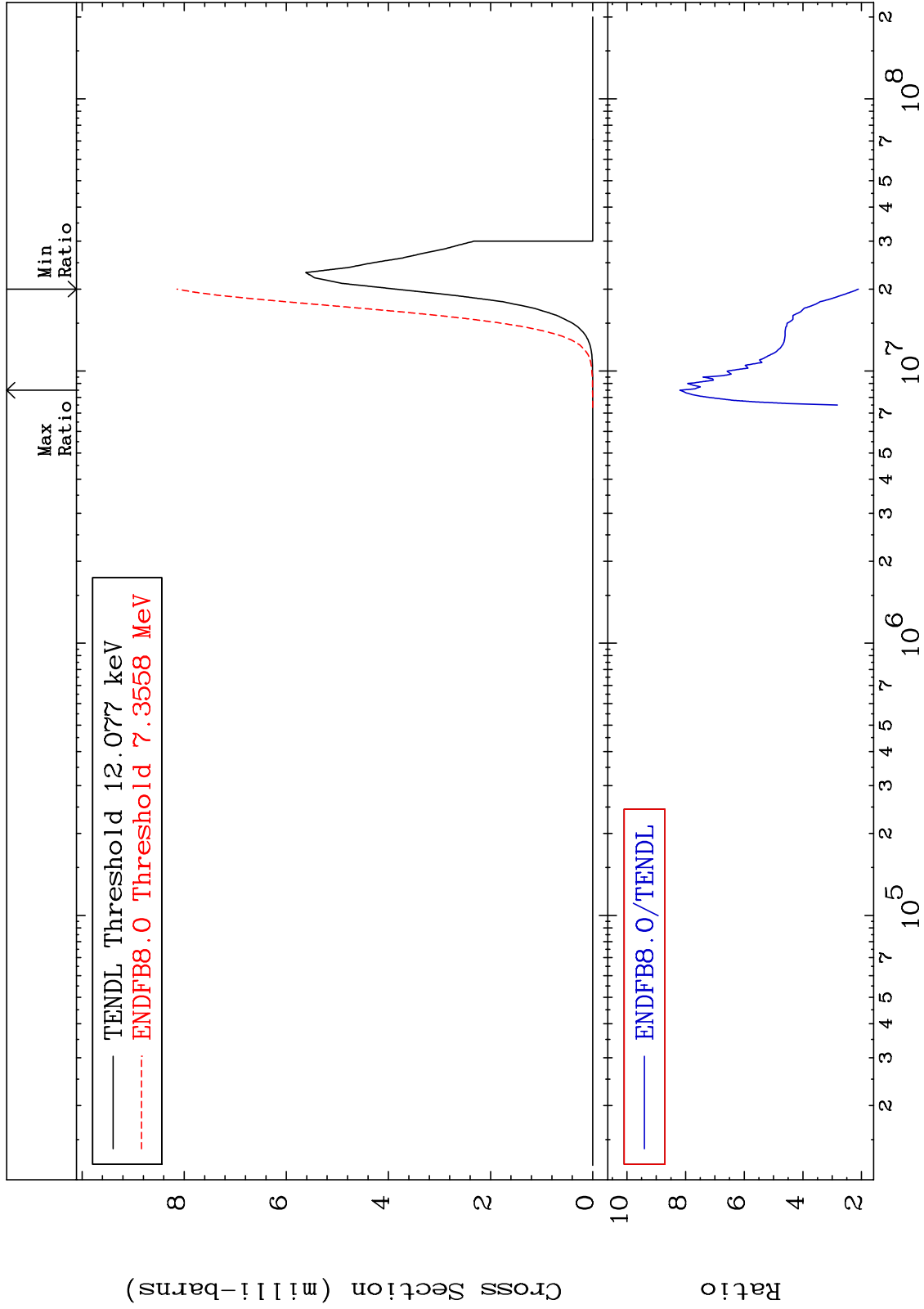
MAT 5455

(n,  $\alpha$ )

54-Xe-134

Cross Section

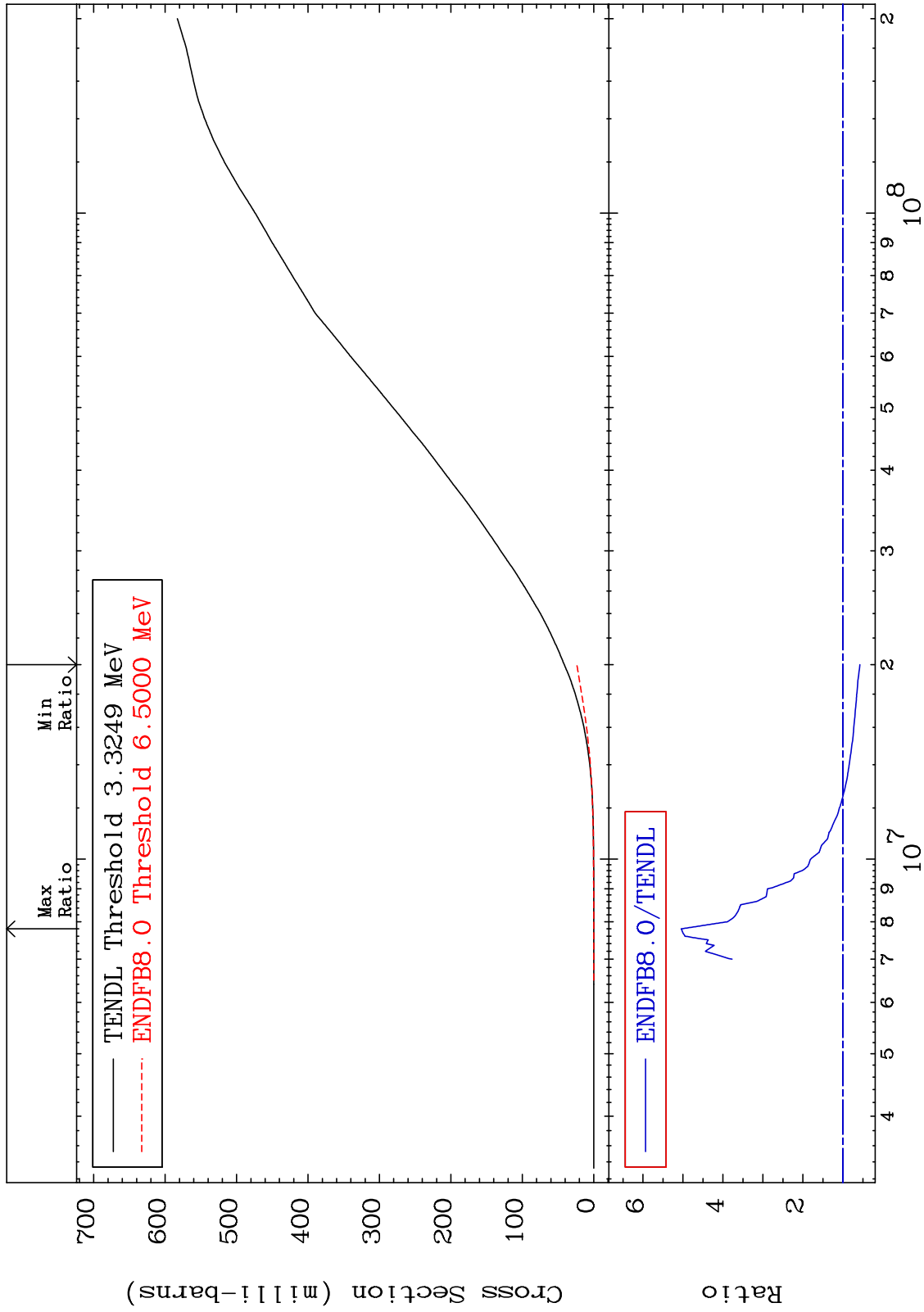
110.6 To 718.9 %



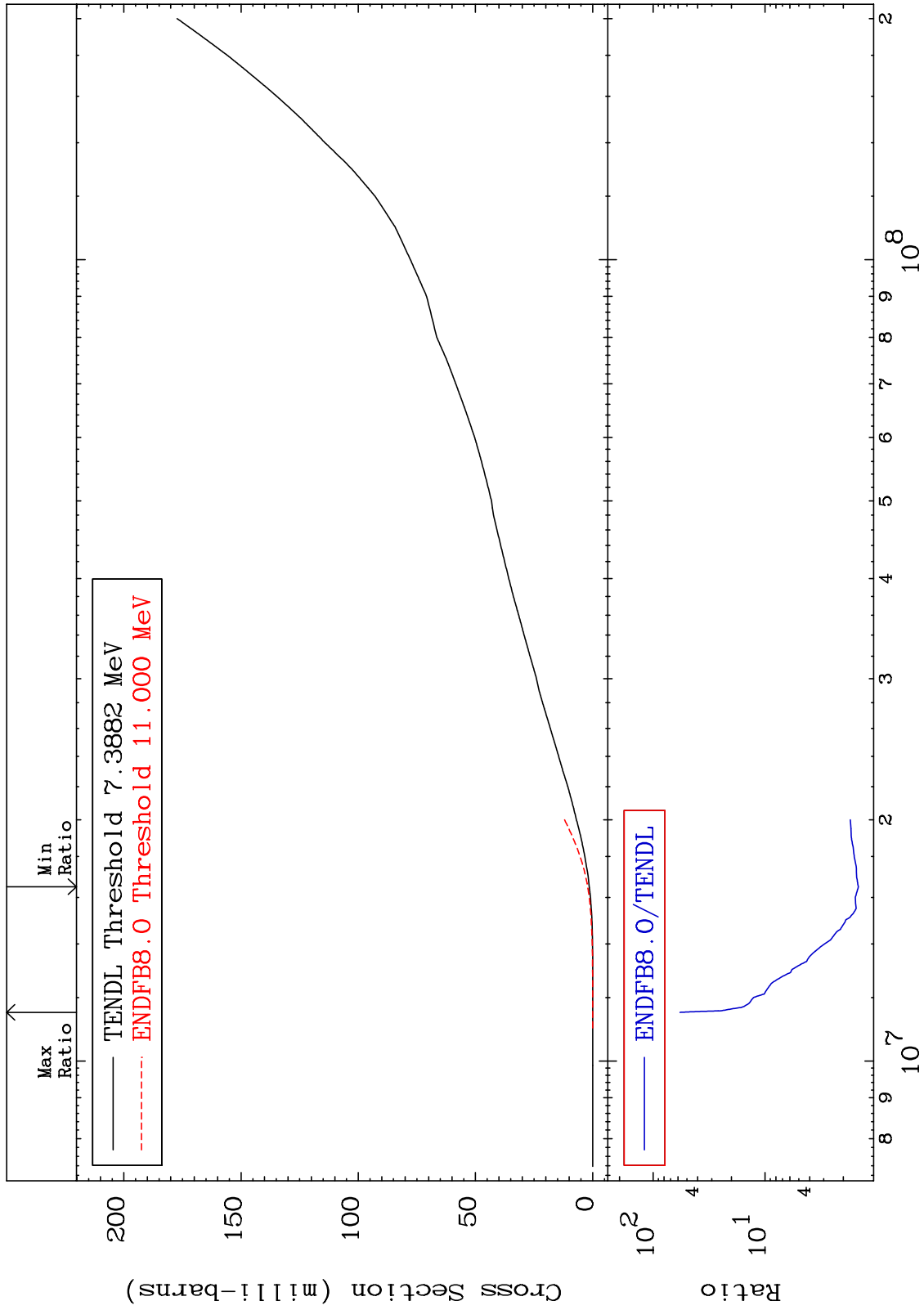
MAT 5455

Hydrogen Production  
Cross Section

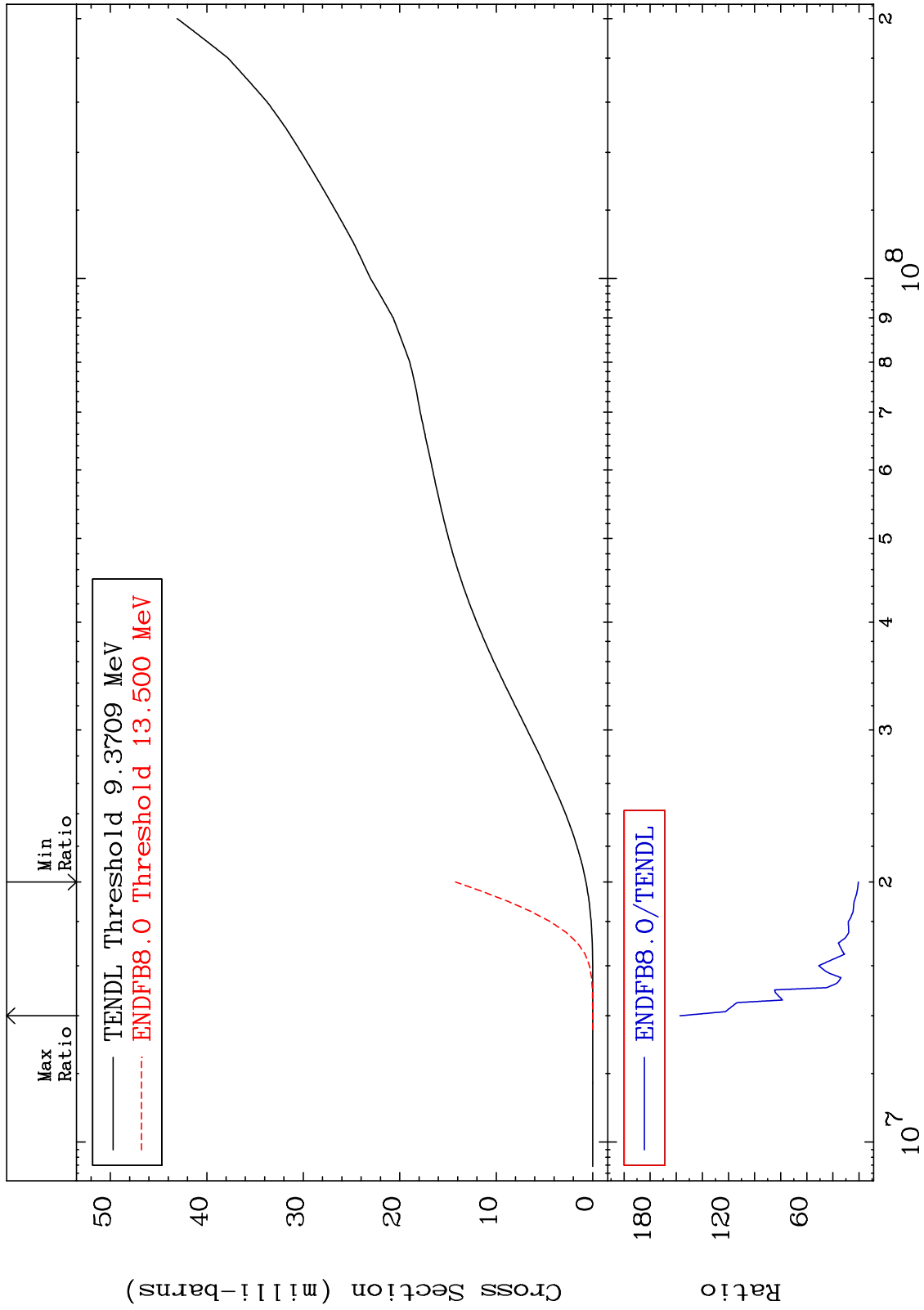
54-Xe-134  
-42.66 To 404.3 %



MAT 5455 Deuterium Production Cross Section 54-Xe-134 46.70 To 5656. %



MAT 5455 Tritium Production Cross Section 54-Xe-134 1950. To 9999. %

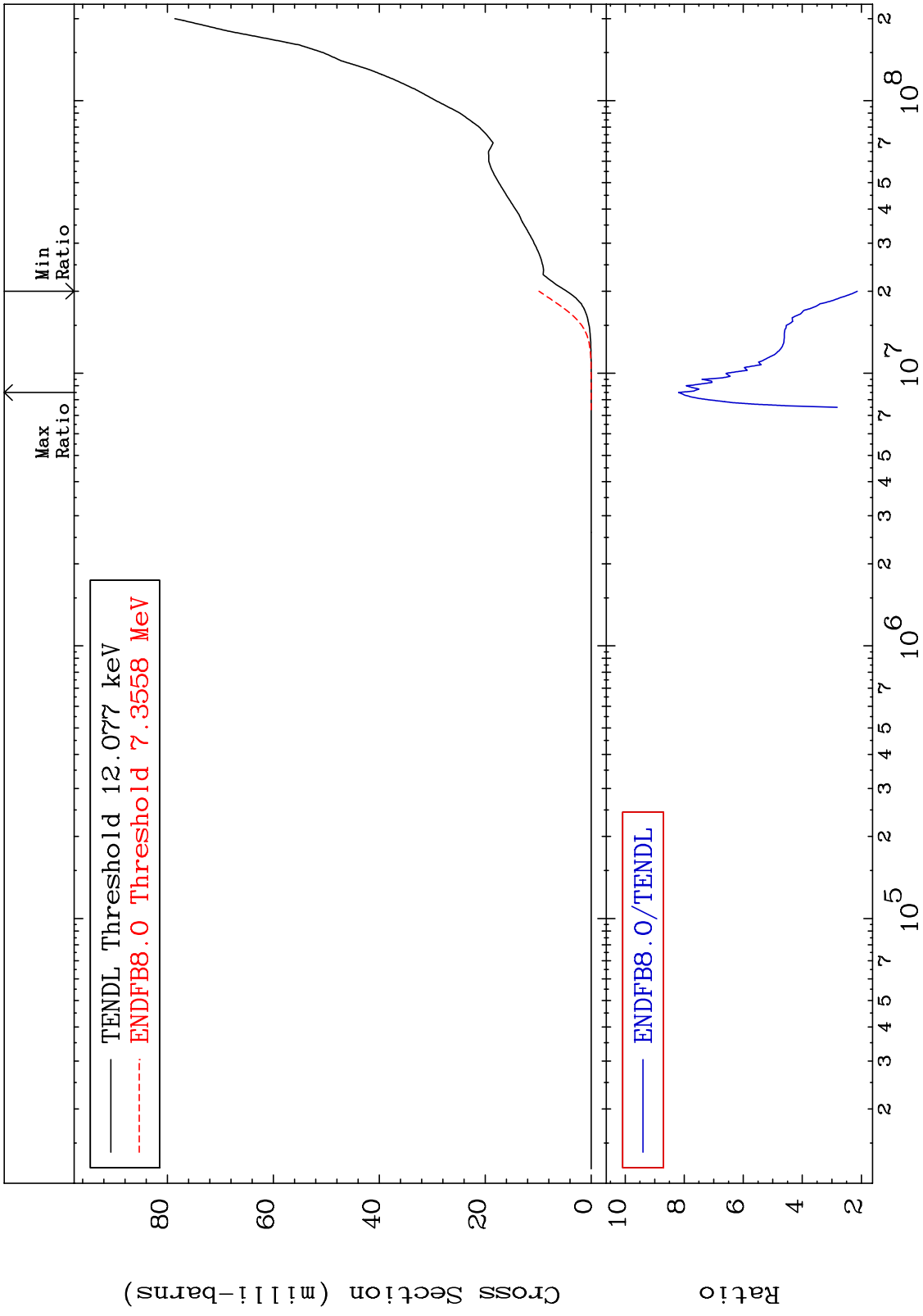


35 Incident Energy (eV) 54-Xe-134

MAT 5455

He-4 Production  
Cross Section

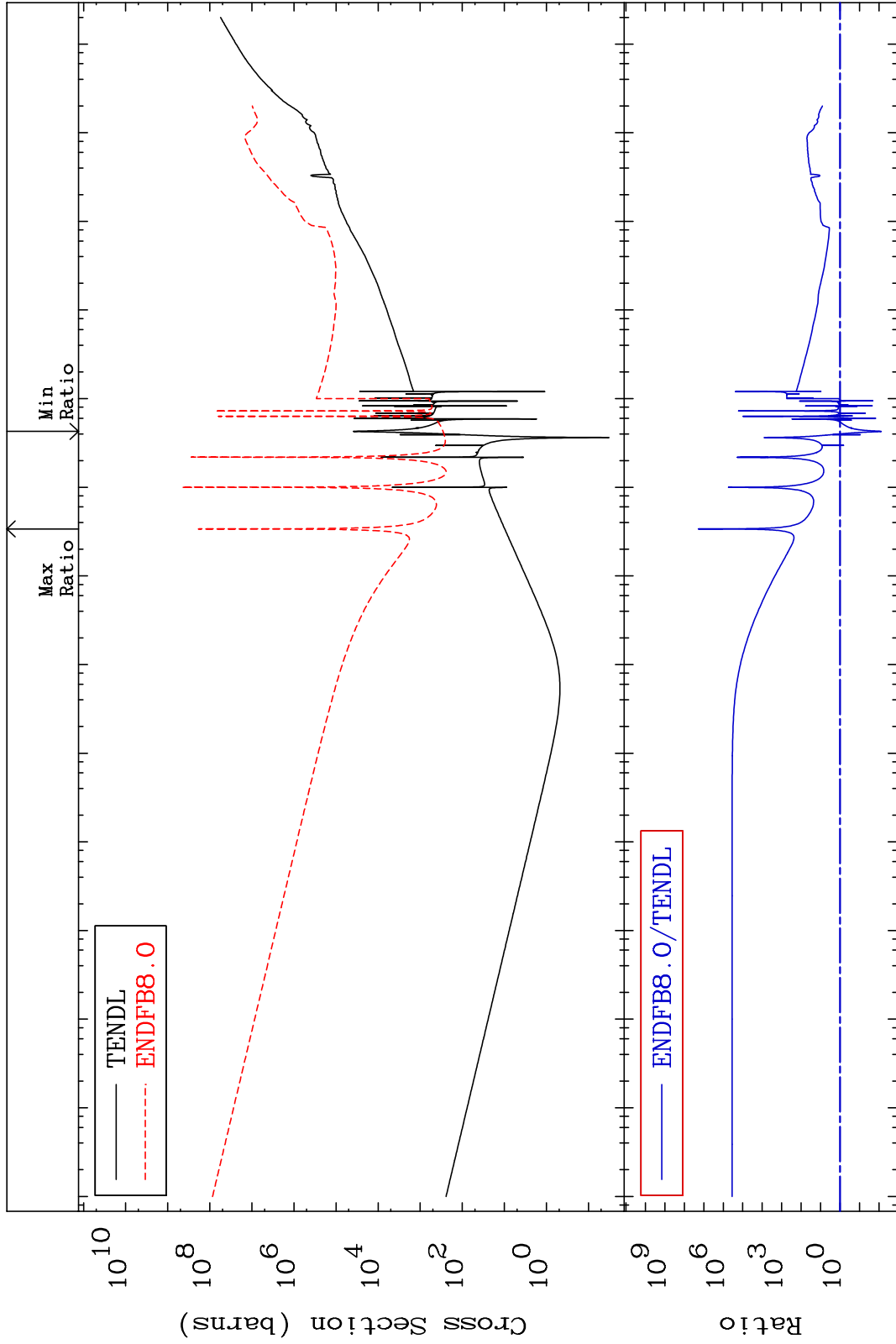
54-Xe-134  
113.7 To 718.9 %



MAT 5455

Kerma total (eV-barns)  
Cross Section

54-Xe-134  
-99.26 To 9999. %



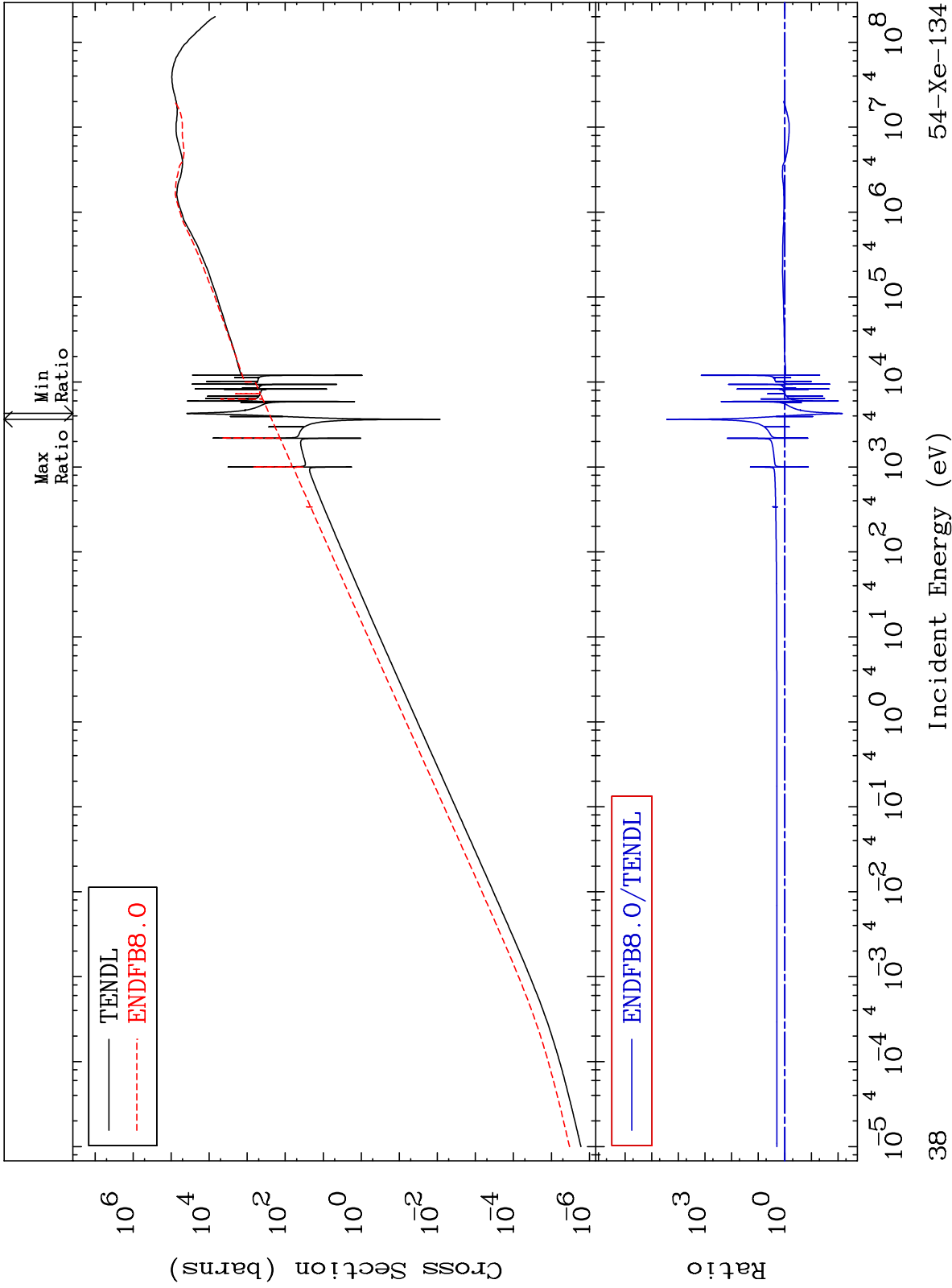
— TENDL  
- - - ENDFB8.0

— ENDFB8.0/TENDL

MAT 5455

Kerma elastic  
Cross Section

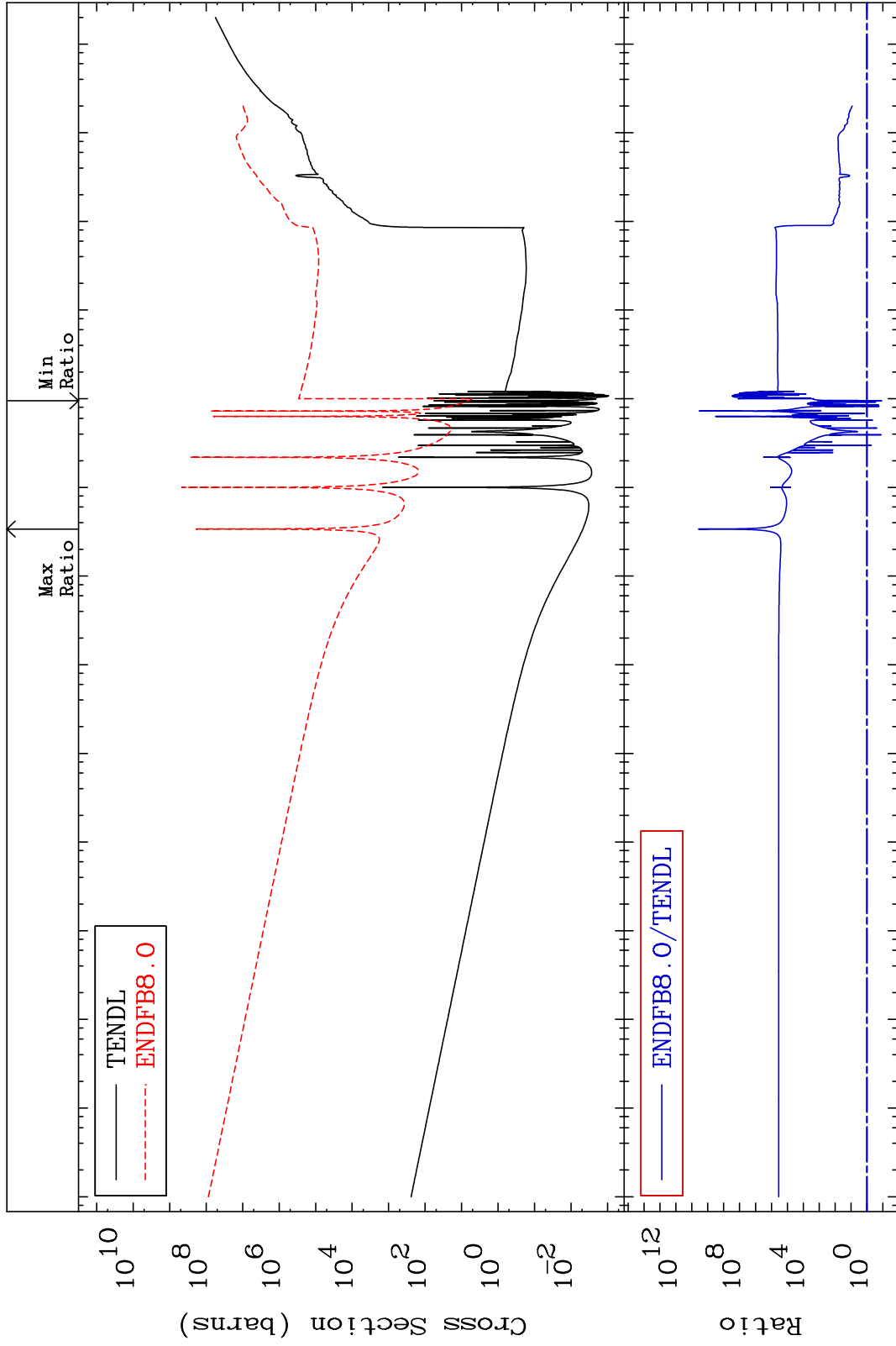
54-Xe-134  
-99.32 To 9999. %



MAT 5455

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-134  
-87.80 To 9999. %

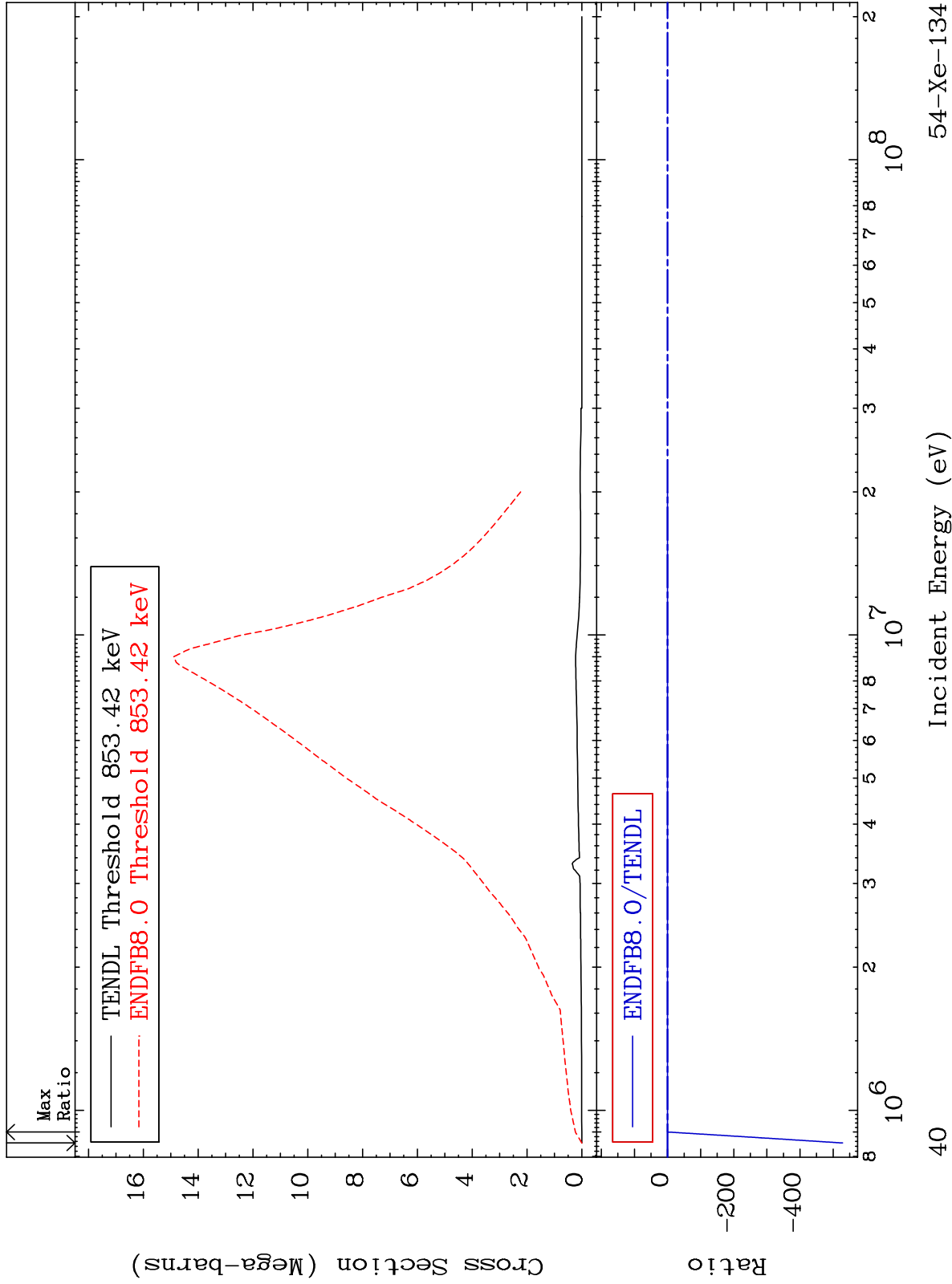




MAT 5455

Kerma inelastic (mt51-91)  
Cross Section

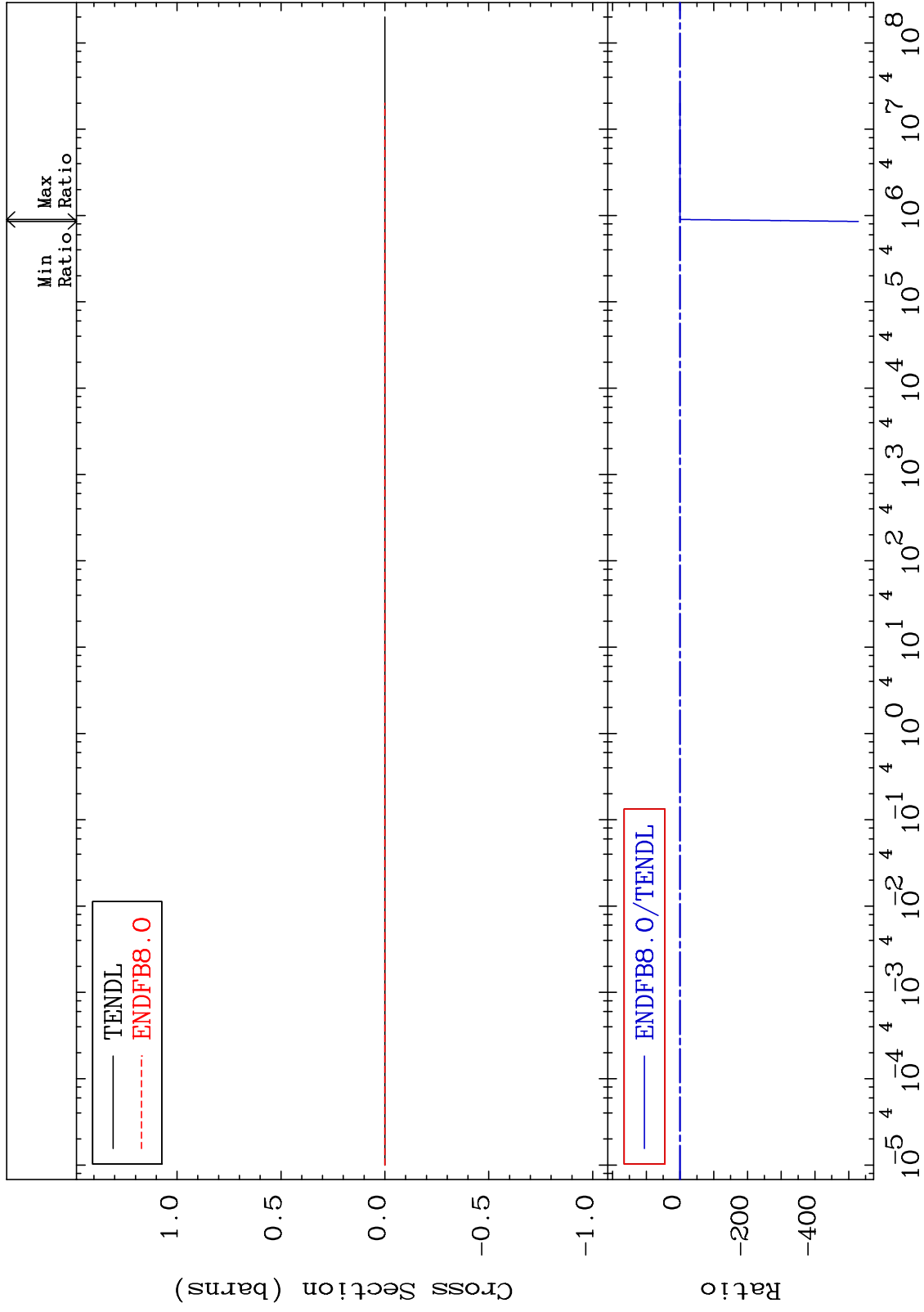
54-Xe-134  
-9999. To 9999. %



MAT 5455

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

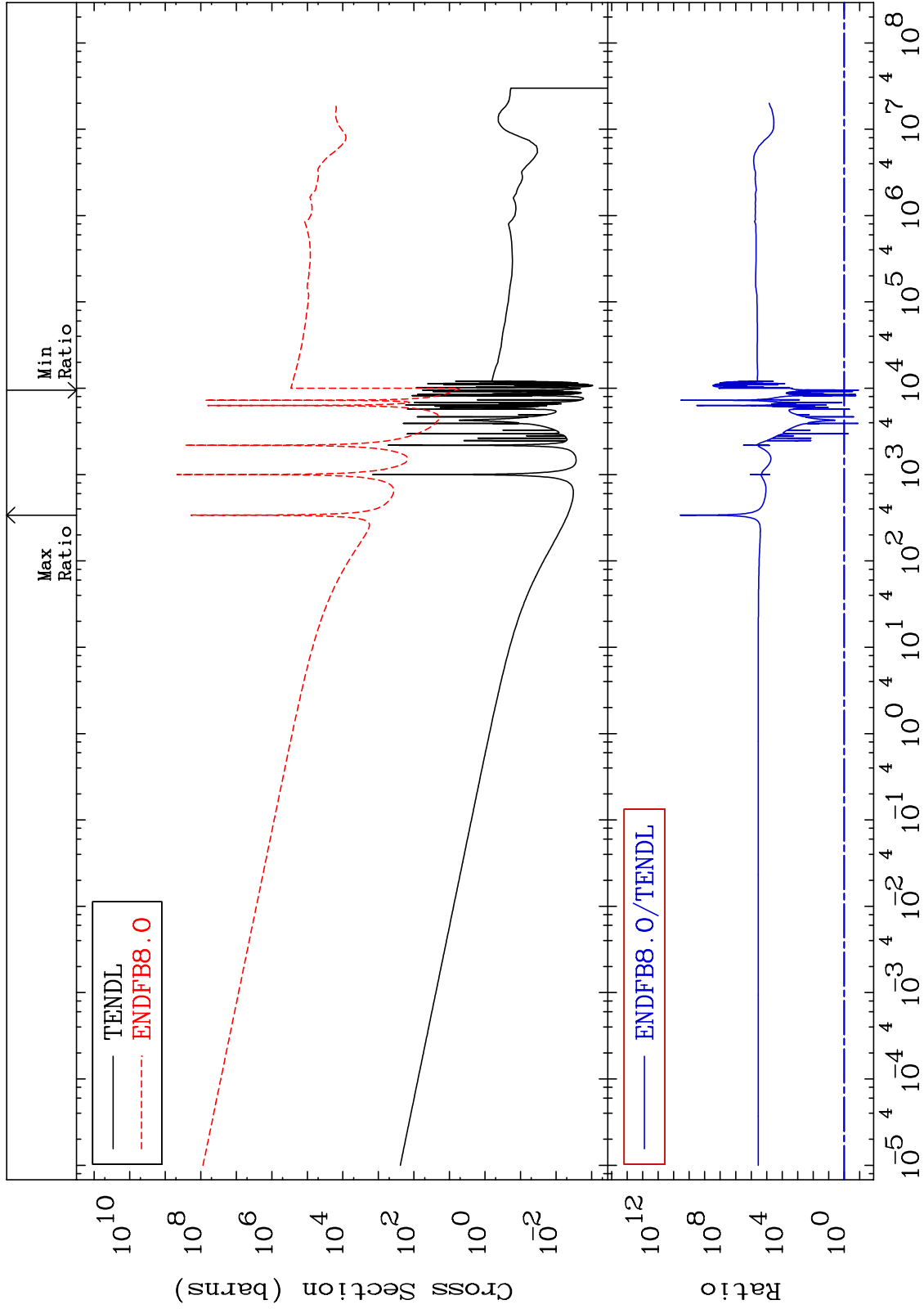
54-Xe-134  
-9999. To 9999. %



MAT 5455

Kerma capture (mt102)  
Cross Section

54-Xe-134  
-87.80 To 9999. %



Incident Energy (eV)

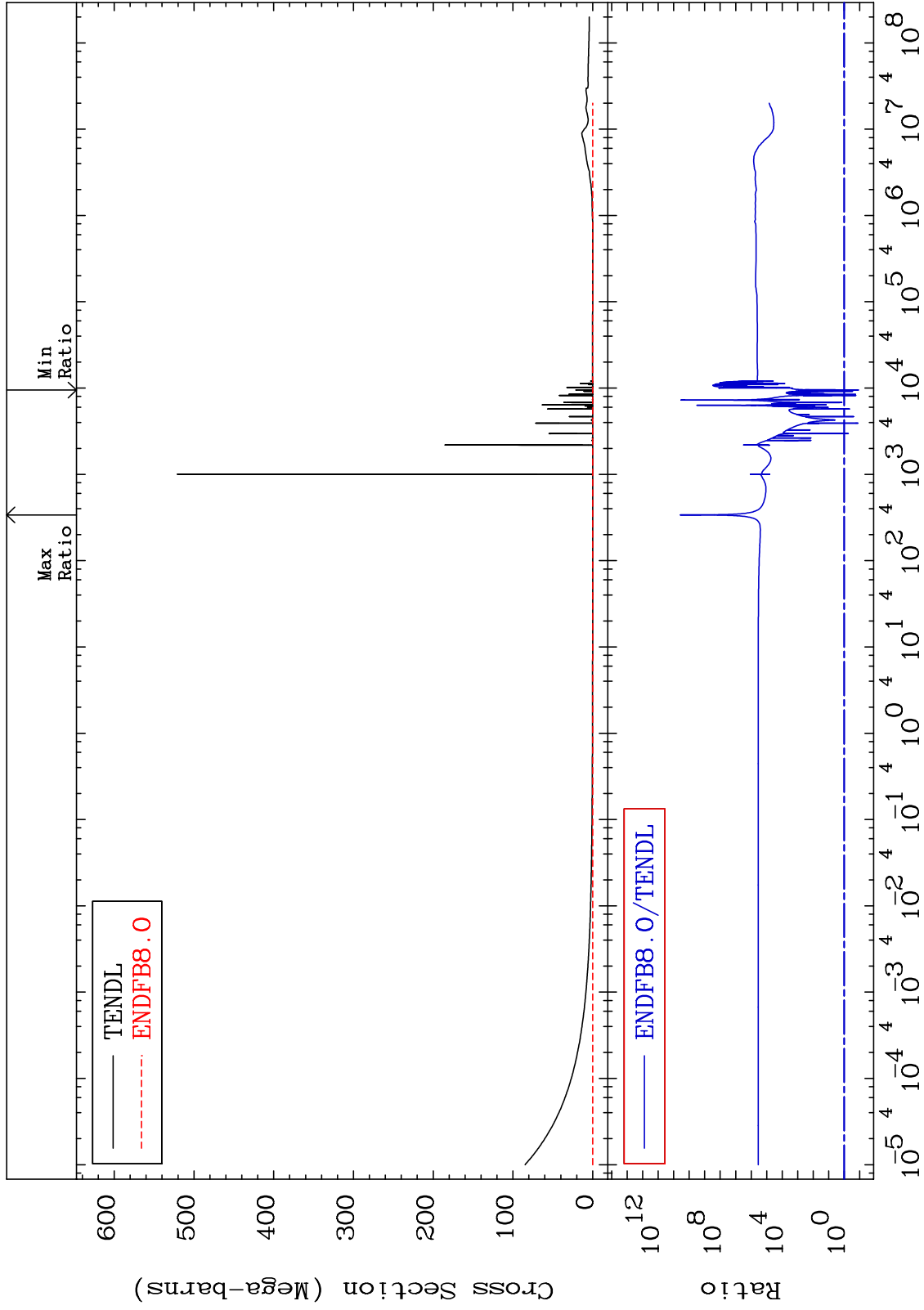
54-Xe-134

42

MAT 5455

Total photon (eV-barns)  
Cross Section

54-Xe-134  
-87.80 To 9999. %



43

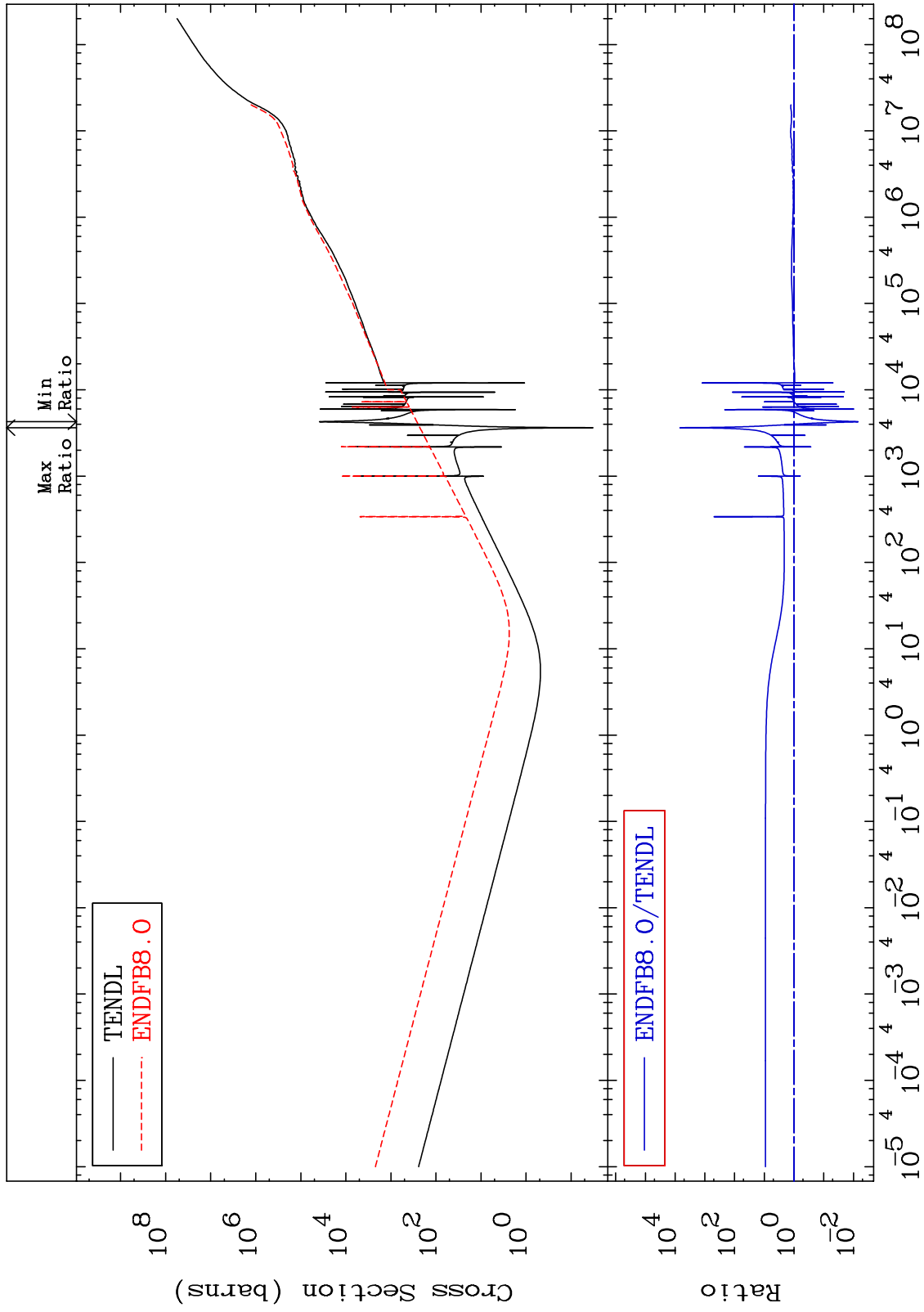
Incident Energy (eV)

54-Xe-134

MAT 5455

Total kinematic kerma (high limit)  
Cross Section

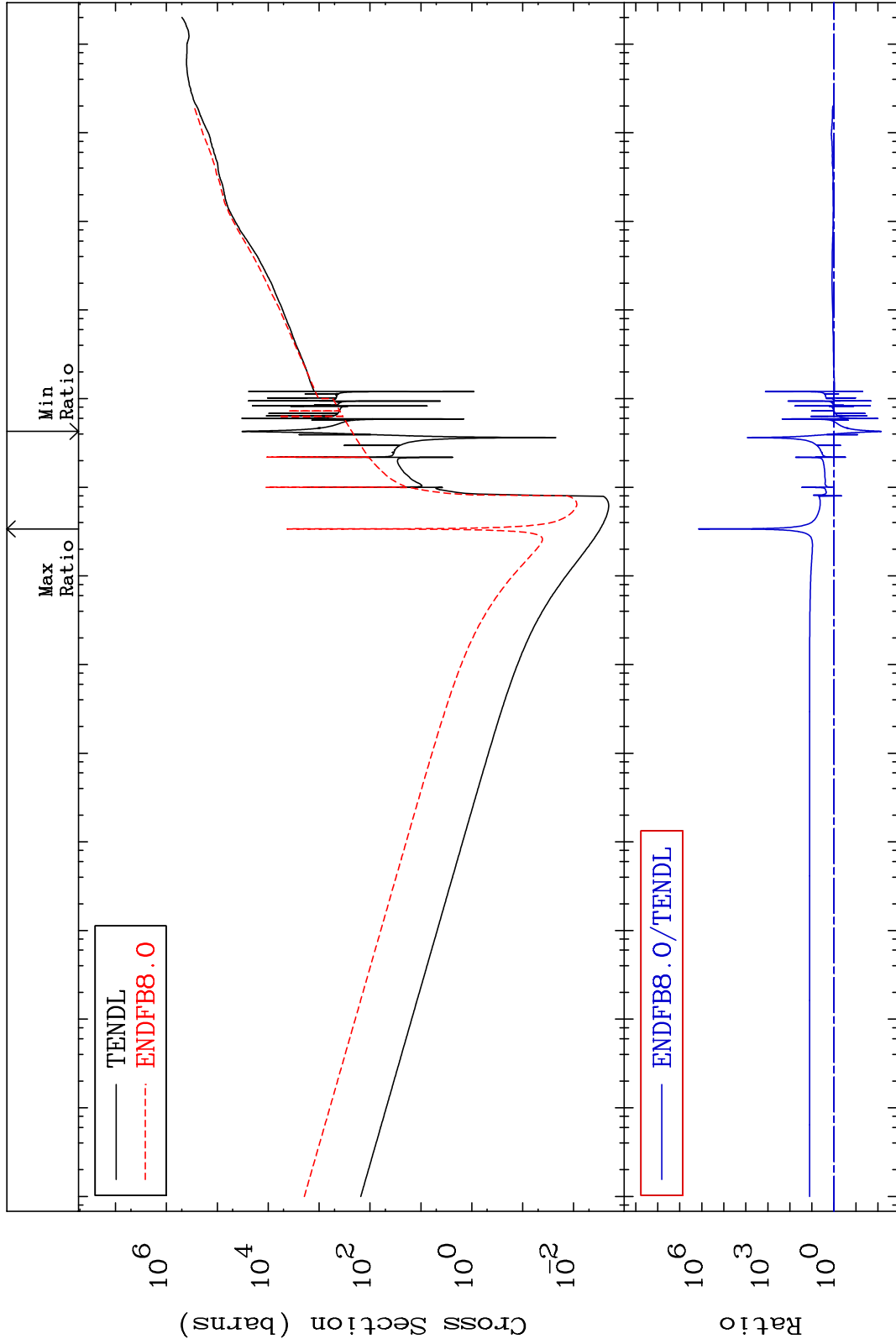
54-Xe-134  
-99.32 To 9999. %



MAT 5455

Dpa total (eV-barns)  
Cross Section

54-Xe-134  
-99.31 To 9999. %



45

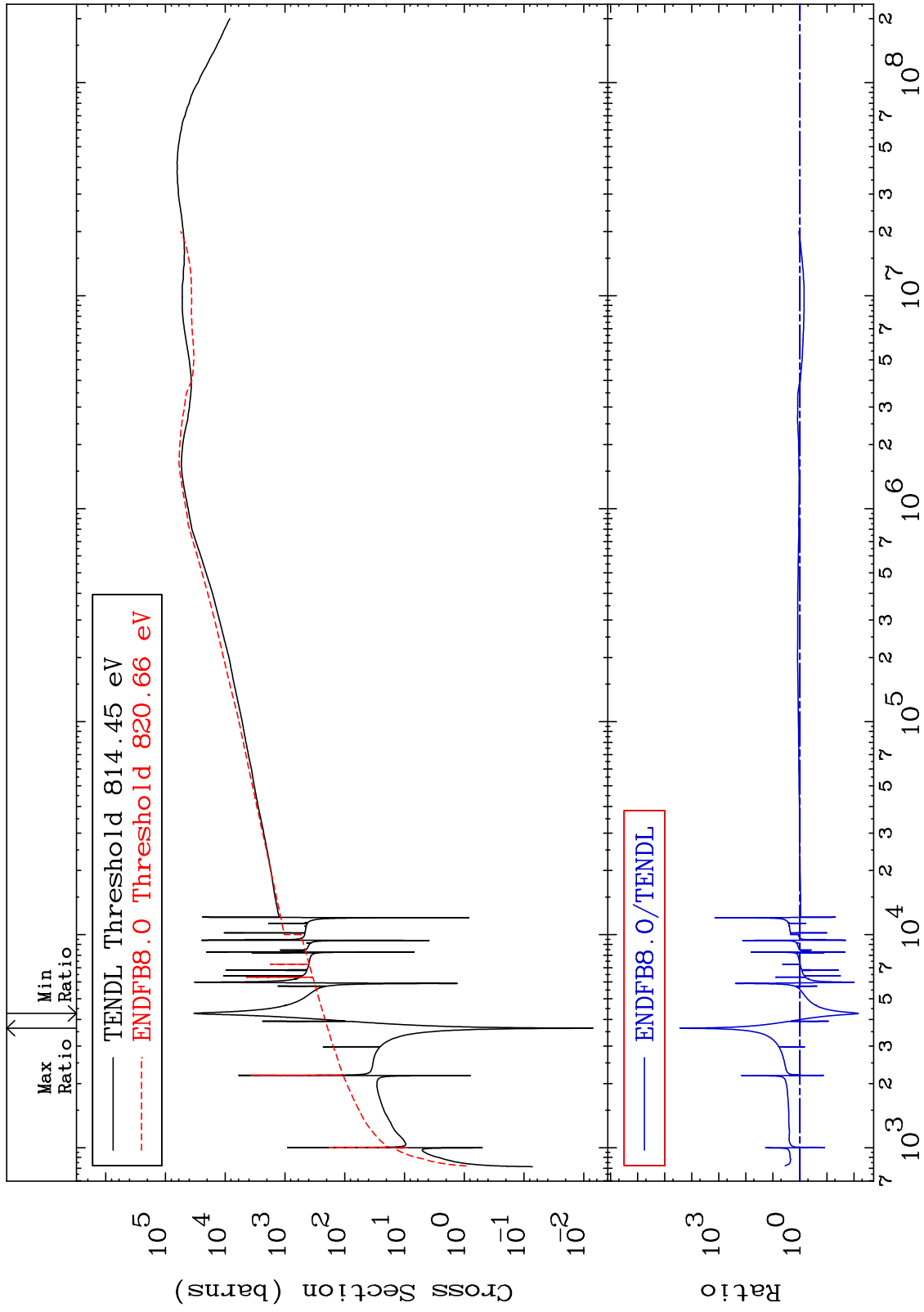
Incident Energy (eV)

54-Xe-134

MAT 5455

Dpa elastic (mt2)  
Cross Section

54-Xe-134  
-99.31 To 9999. %



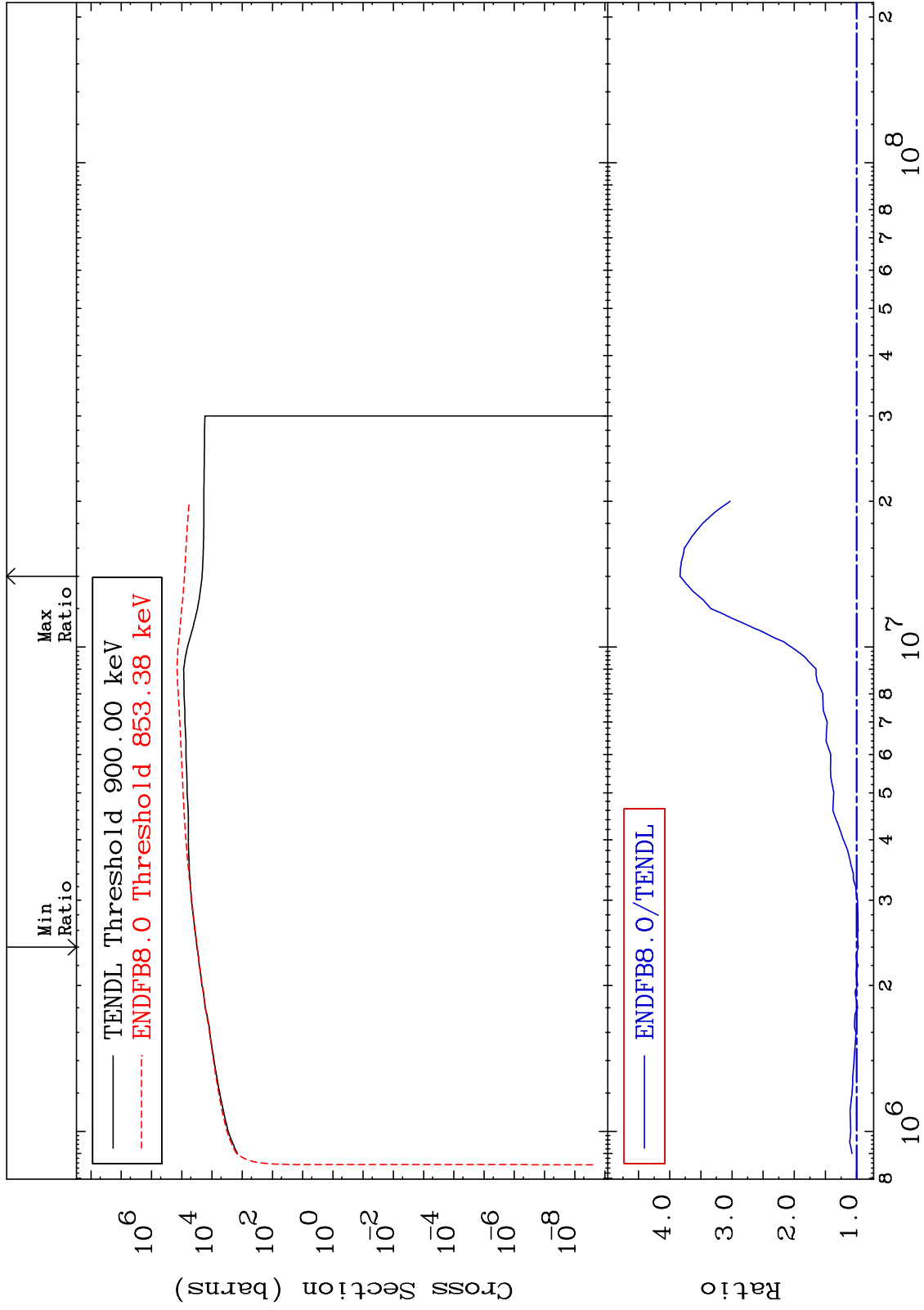
46

54-Xe-134

MAT 5455

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-134  
-2.882 To 283.4 %



47

Incident Energy (eV)

54-Xe-134



MAT 5455

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-134  
-100.0 To 9999. %

