

Program Complot  
(Version 2018-1)

by

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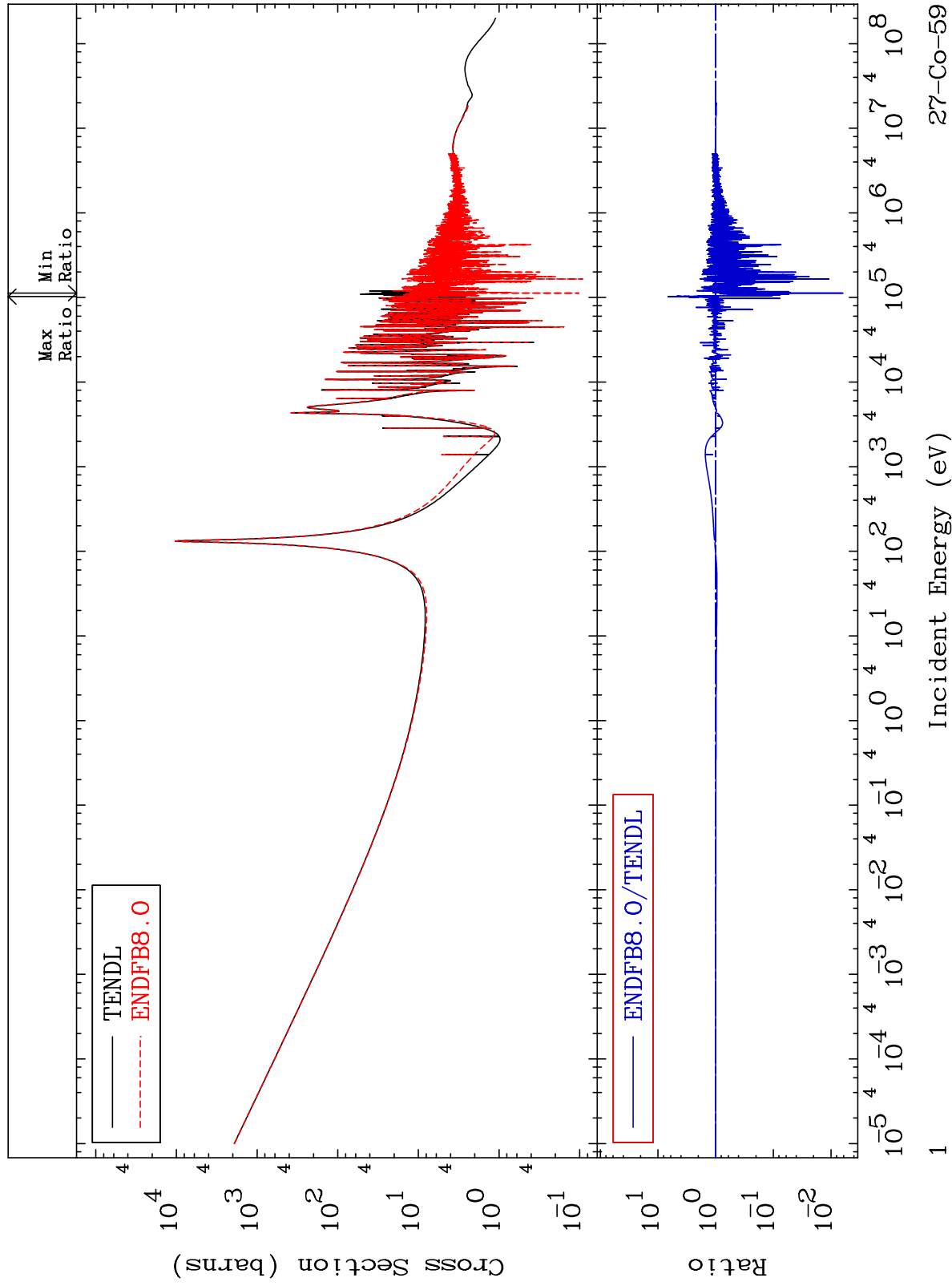
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2725

Total  
Cross Section

27-Co-59  
-99.38 To 569.9 %



27-Co-59

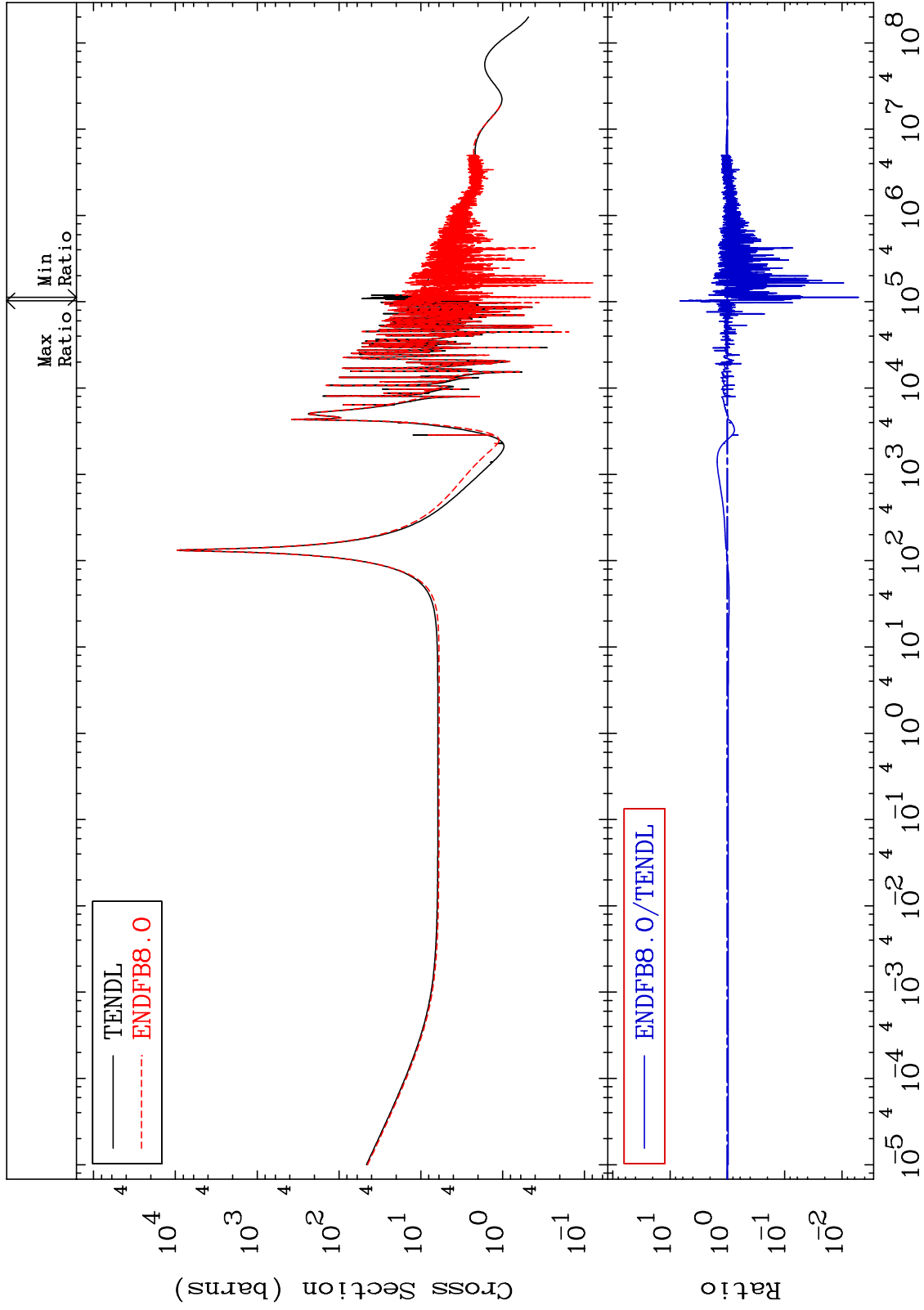
Incident Energy (eV)

1

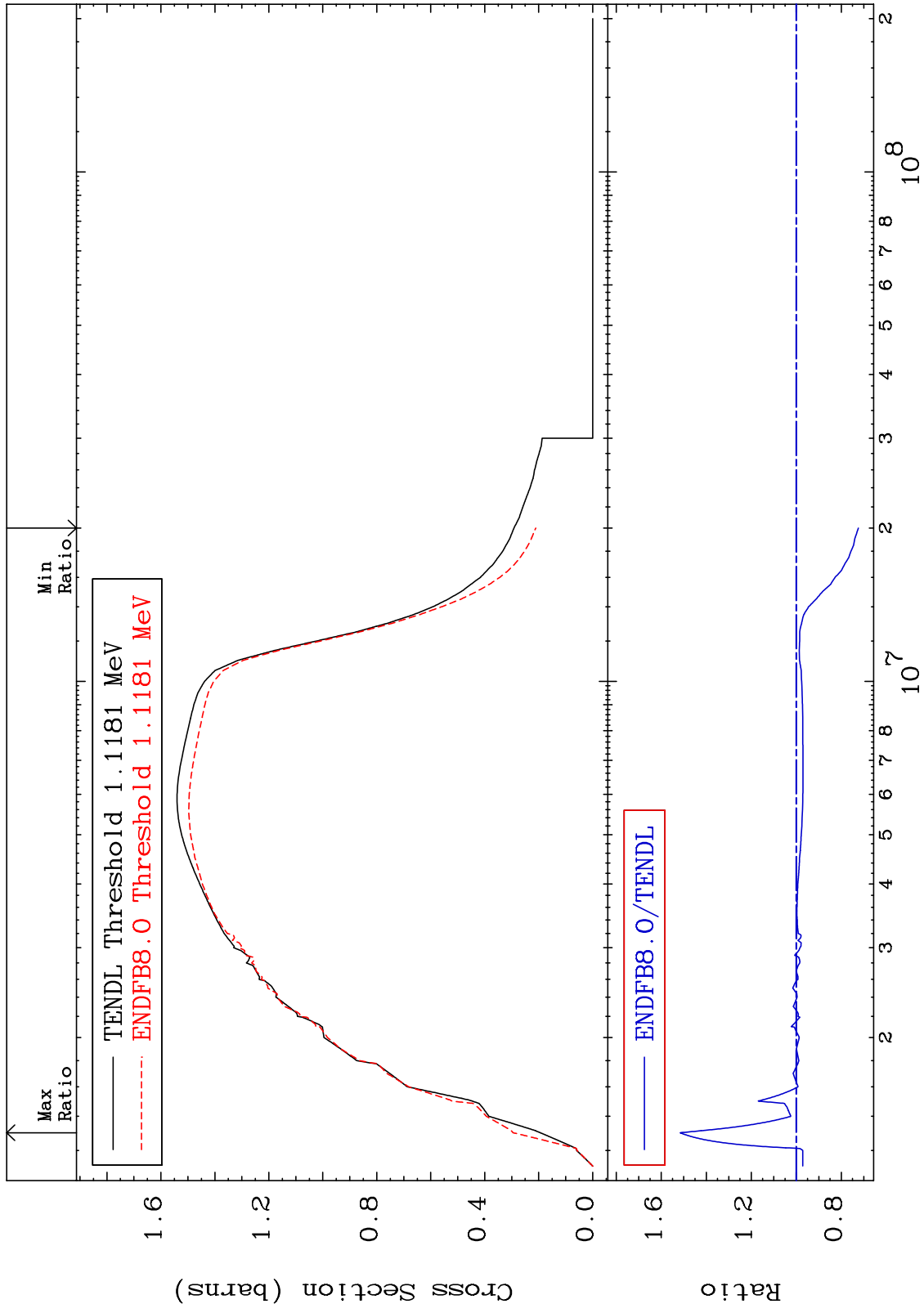
MAT 2725

Elastic  
Cross Section

27-Co-59  
-99.48 To 569.6 %



MAT 2725 Inelastic Cross Section 27-Co-59 -27.61 To 51.66 %



3 27-Co-59

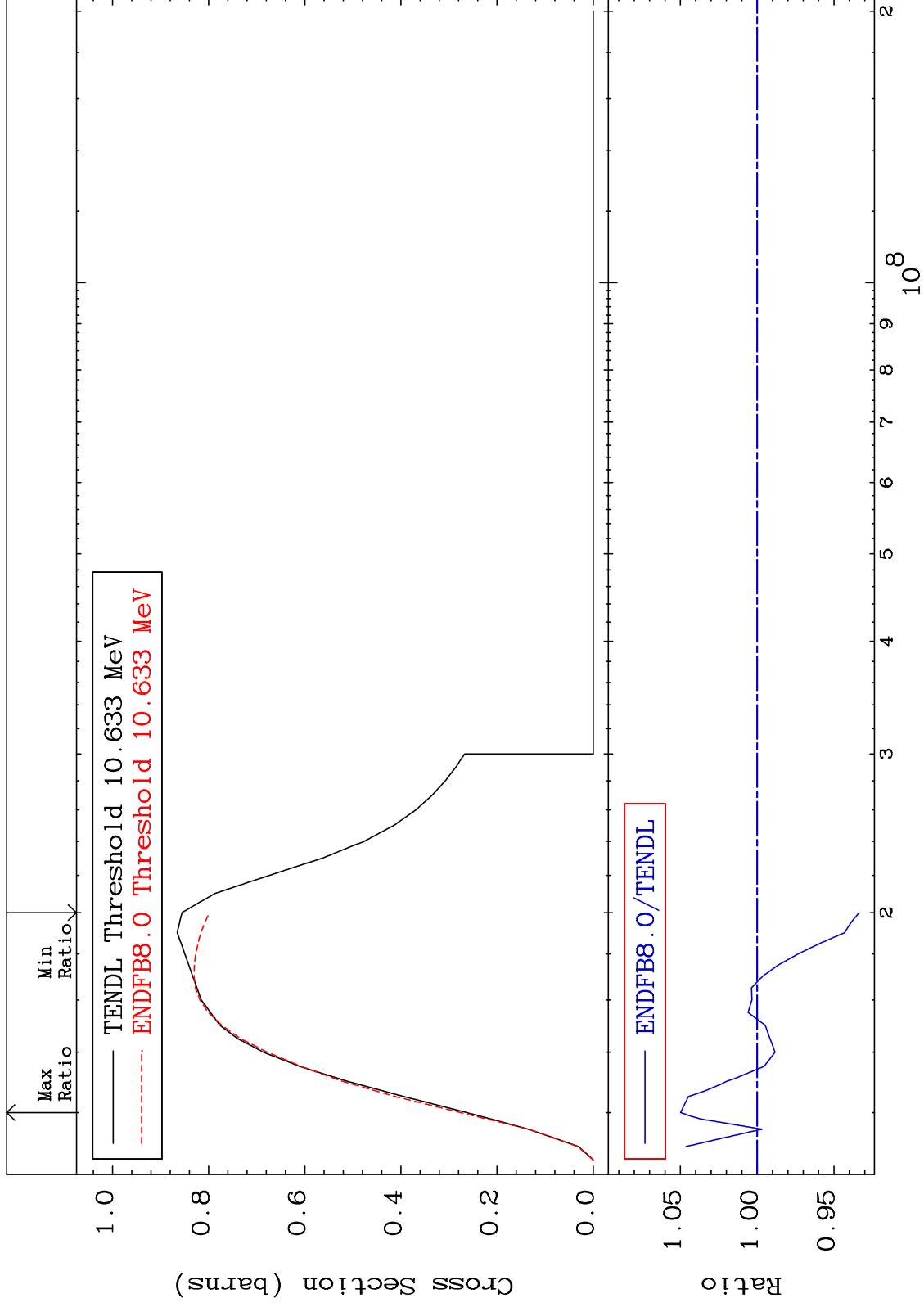
MAT 2725

(n,2n)

27-Co-59

Cross Section

-6.638 To 4.981 %



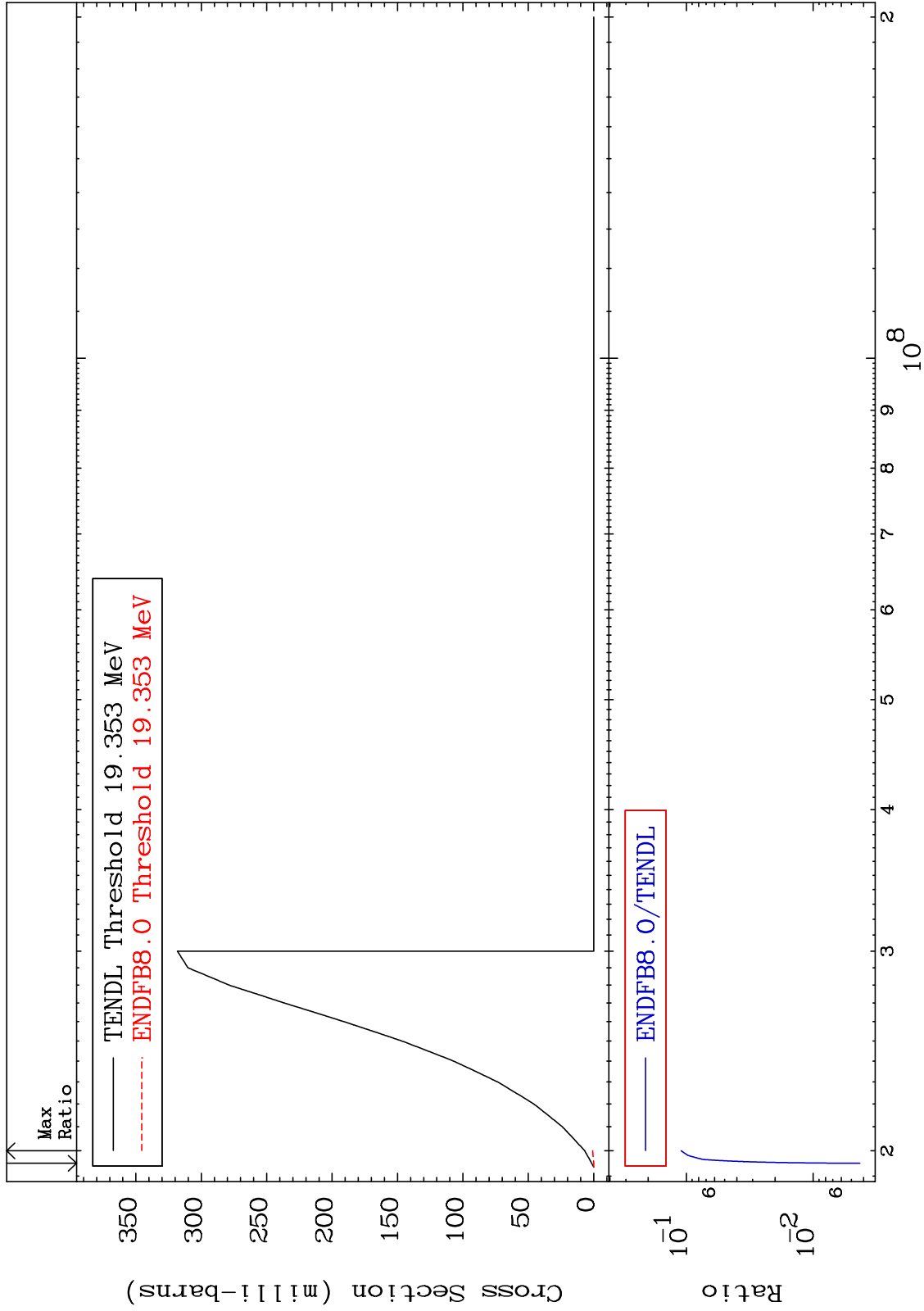
MAT 2725

(n, 3n)

27-Co-59

Cross Section

-99.57 To -89.02%



5

Incident Energy (eV)

27-Co-59

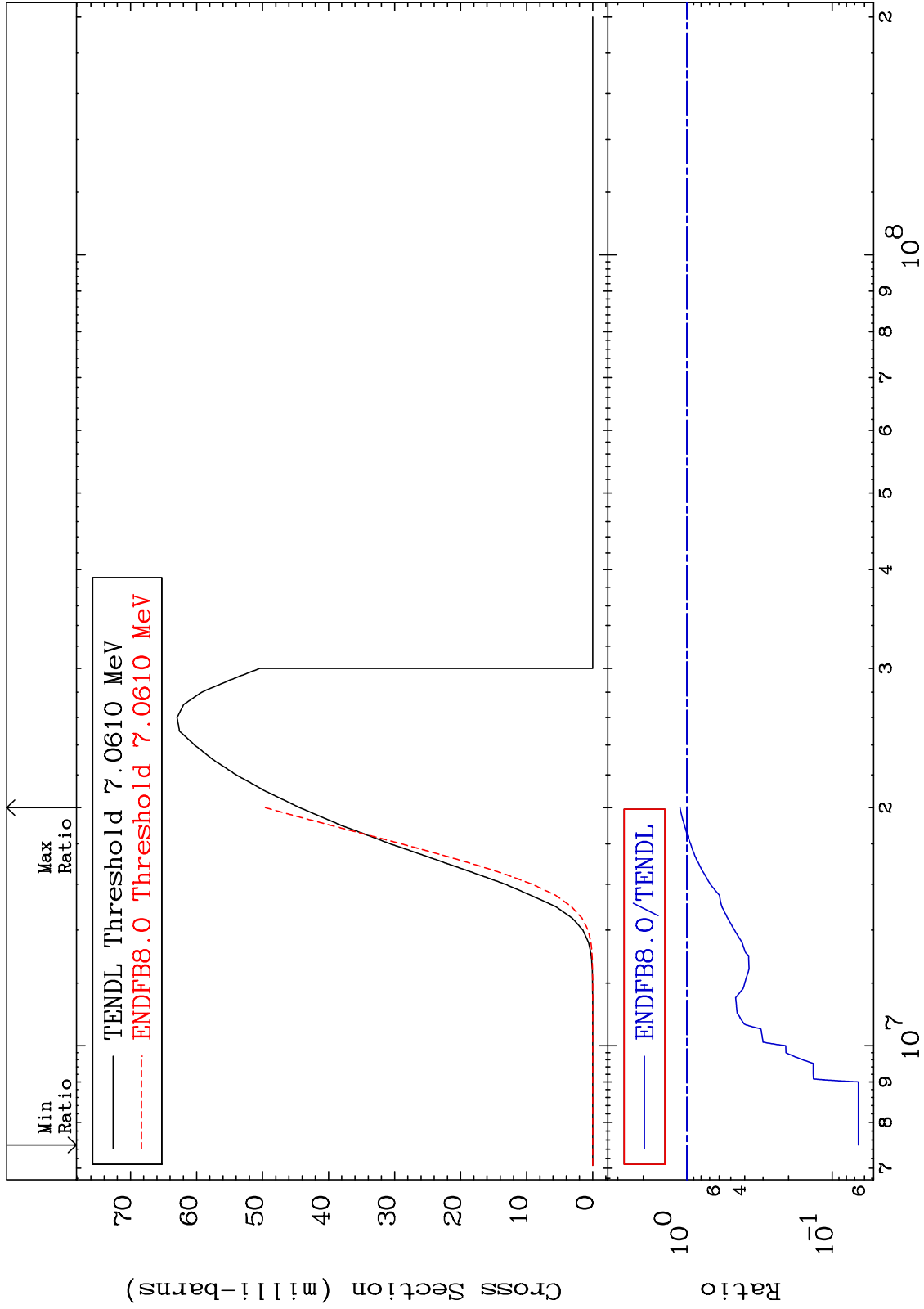
MAT 2725

(n,n')  $\alpha$

27-Co-59

Cross Section

-93.40 To 11.76 %



27-Co-59

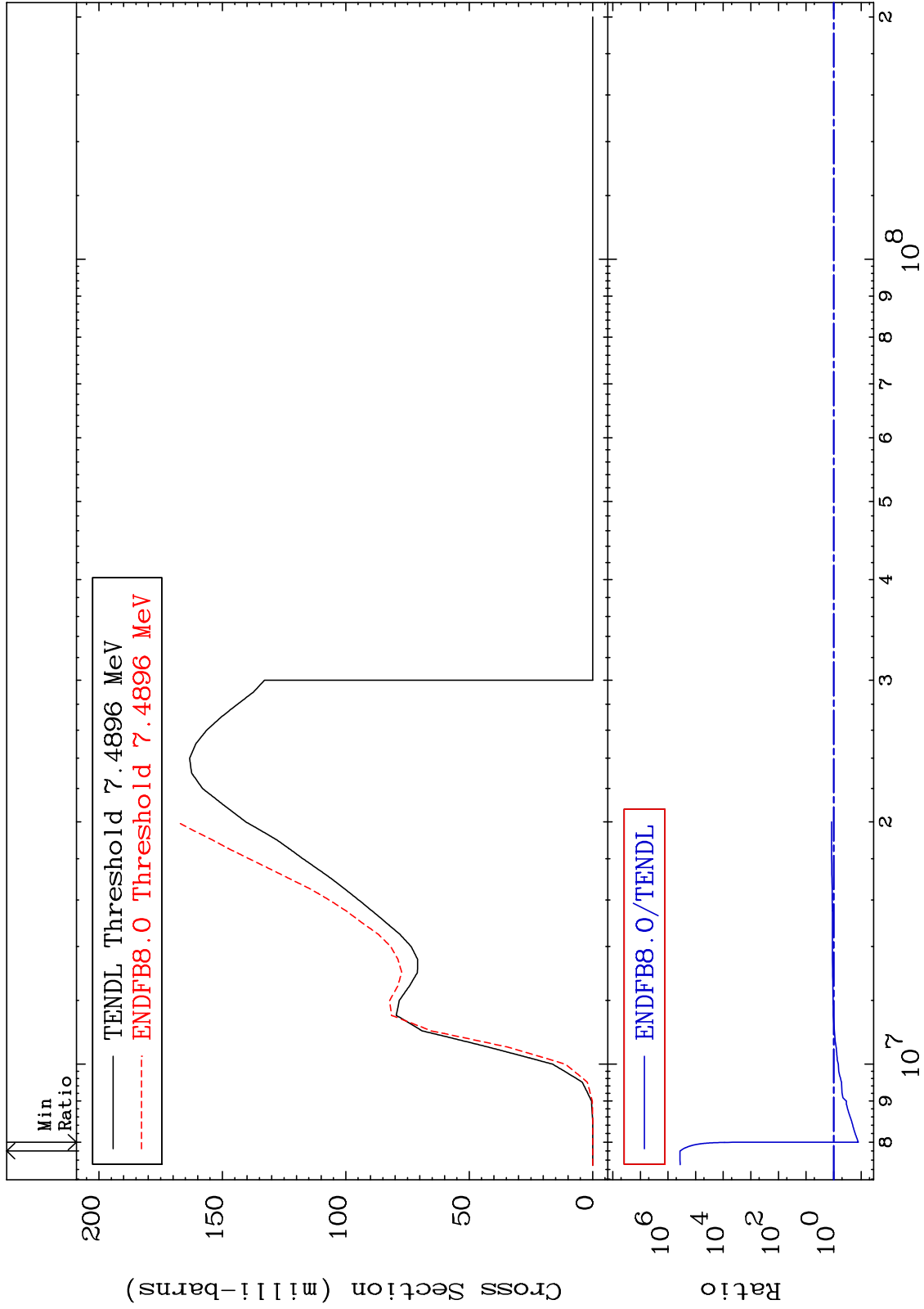
Incident Energy (eV)

6

MAT 2725

(n,n') p  
Cross Section

27-Co-59  
-87.29 To 9999. %

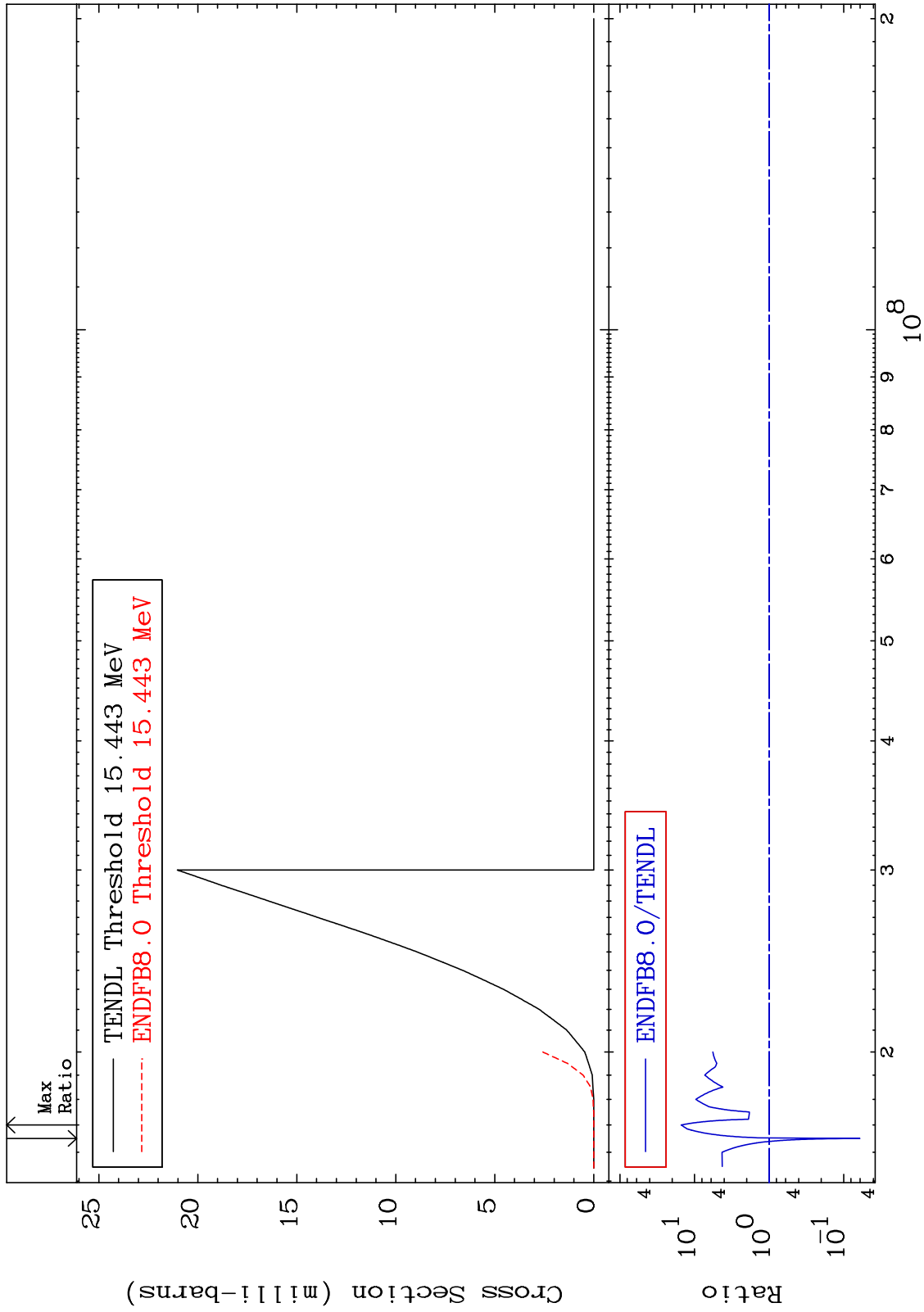




MAT 2725

(n,n') d  
Cross Section

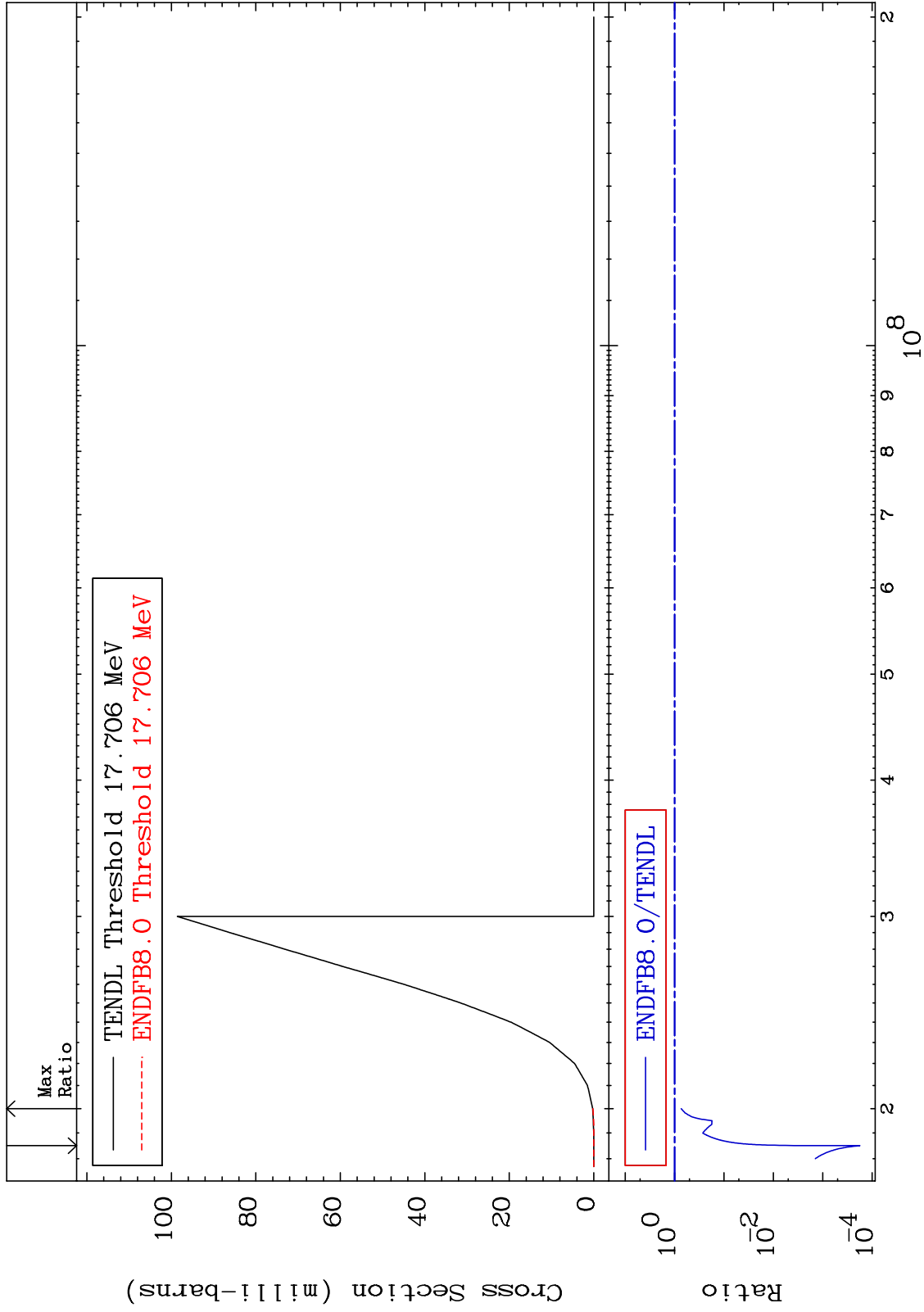
27-Co-59  
-93.95 To 1411. %



MAT 2725

(n,2n) p  
Cross Section

<sup>27</sup>Co-59  
-99.98 To -26.42%



9

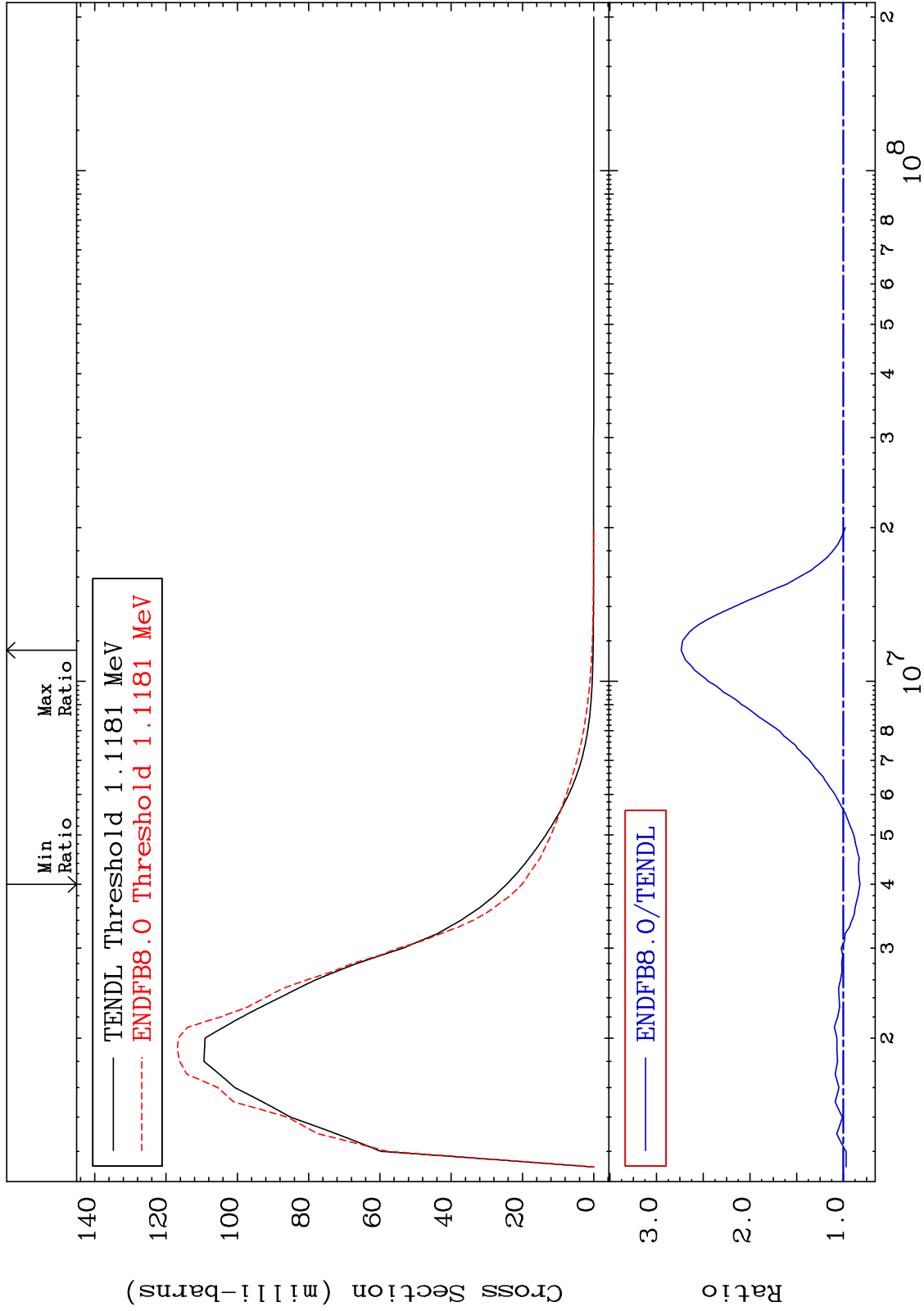
Incident Energy (eV)

<sup>27</sup>Co-59

MAT 2725

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

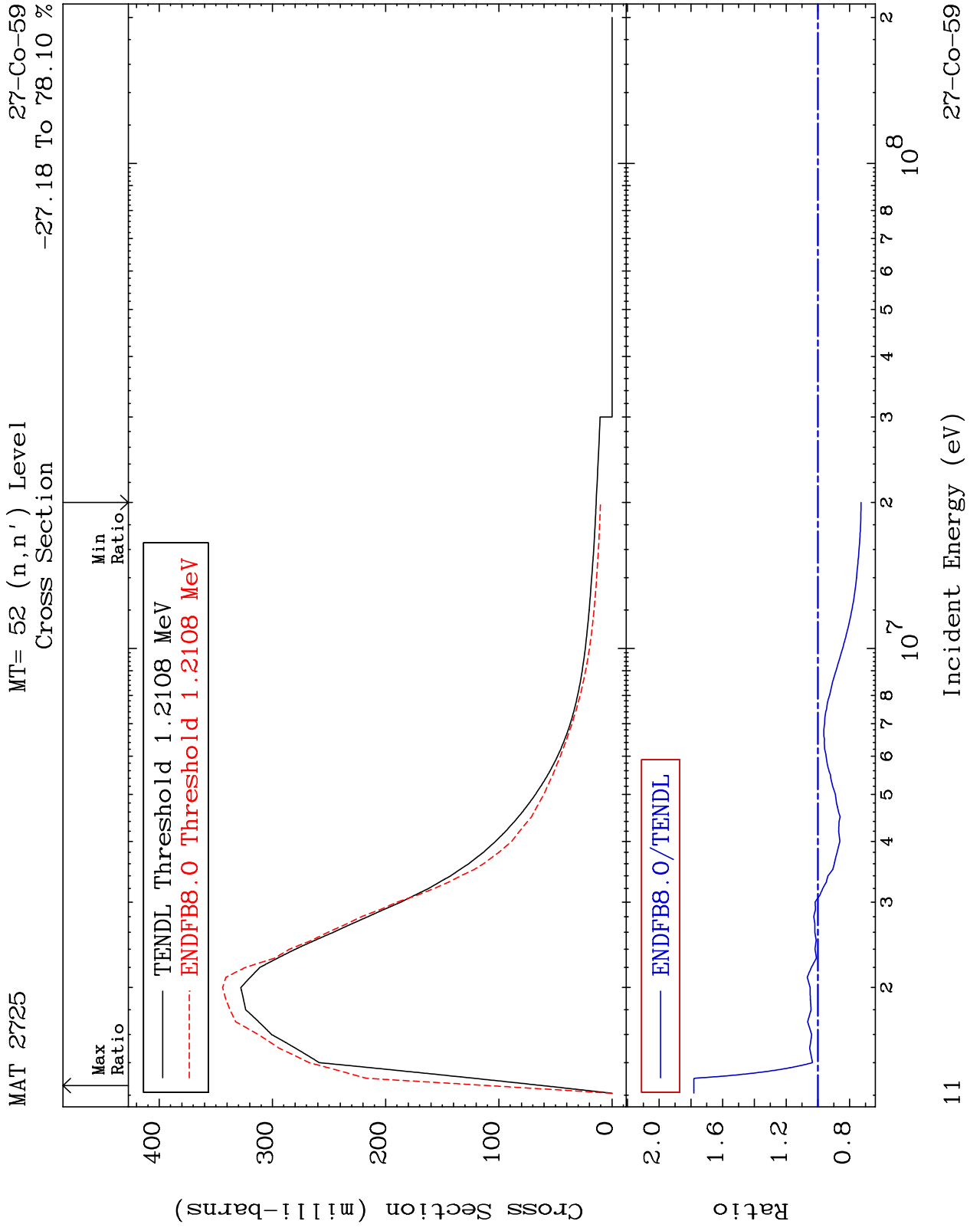
27-Co-59  
-17.73 To 173.6 %



10

Incident Energy (eV)

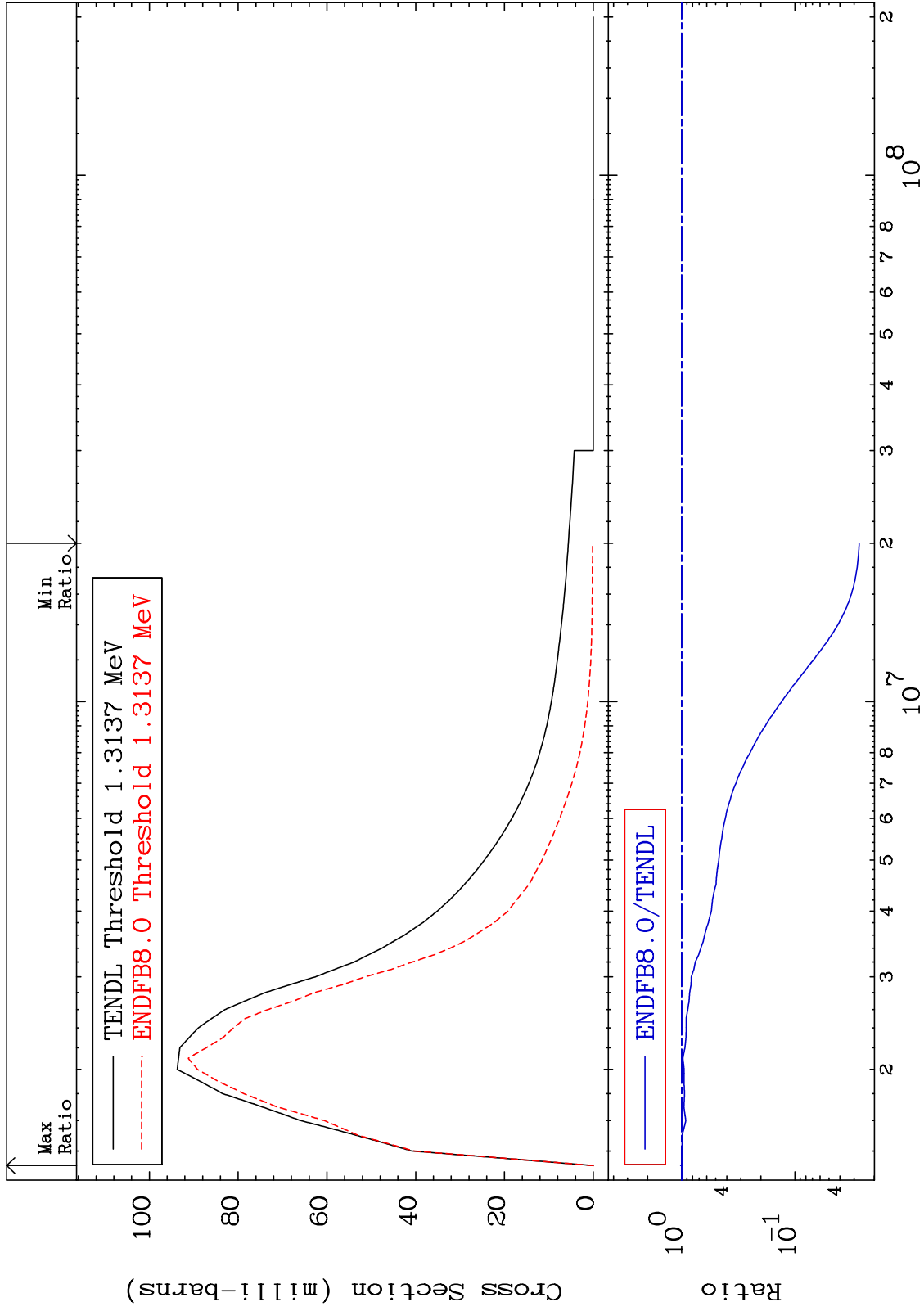
27-Co-59



MAT 2725

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

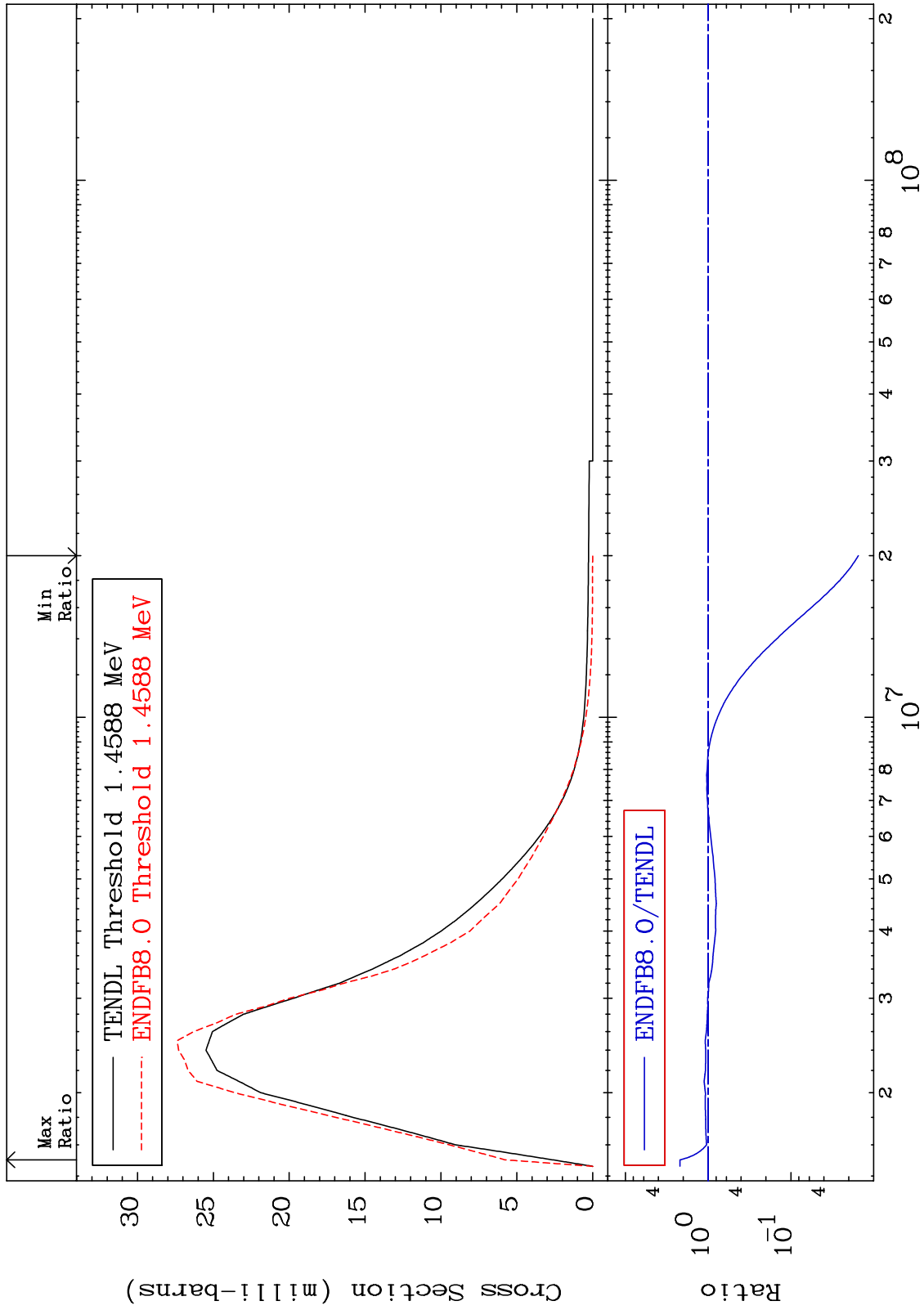
27-Co-59  
-97.29 To 2.127 %



MAT 2725

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

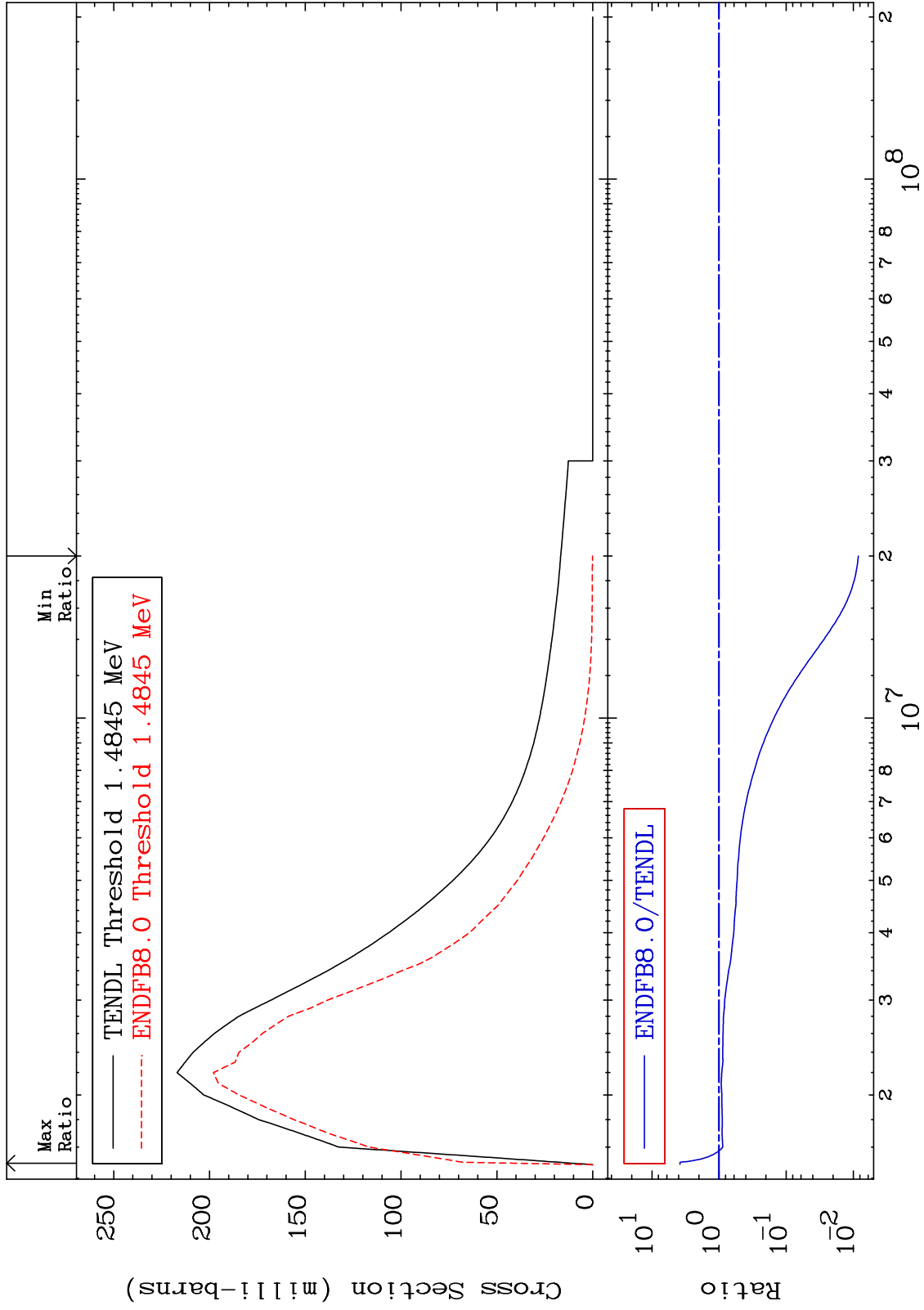
27-Co-59  
-98.47 To 118.4 %



MAT 2725

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

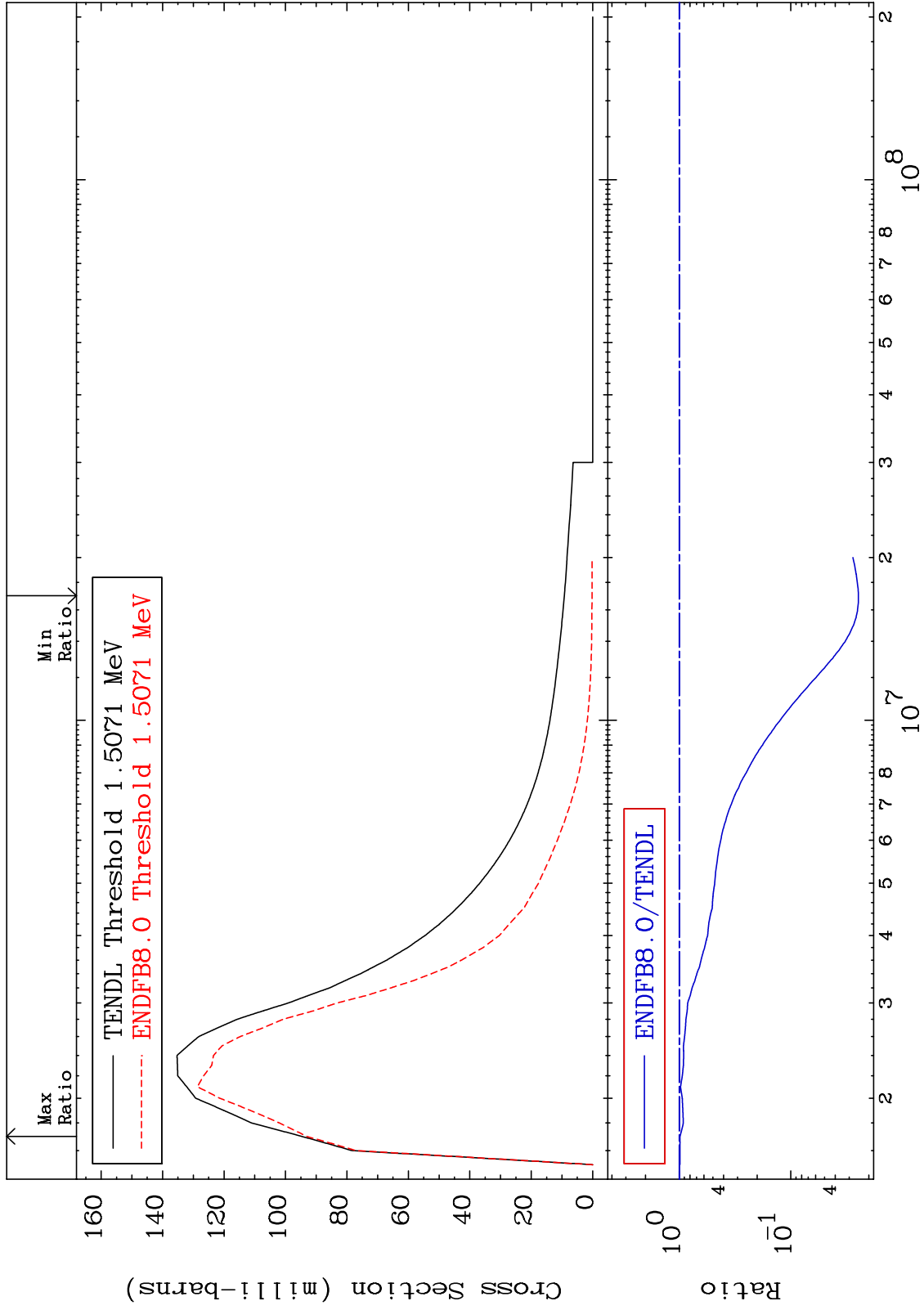
27-Co-59  
-99.16 To 281.8 %



MAT 2725

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

27-Co-59  
-97.52 To -1.685%



15

Incident Energy (eV)

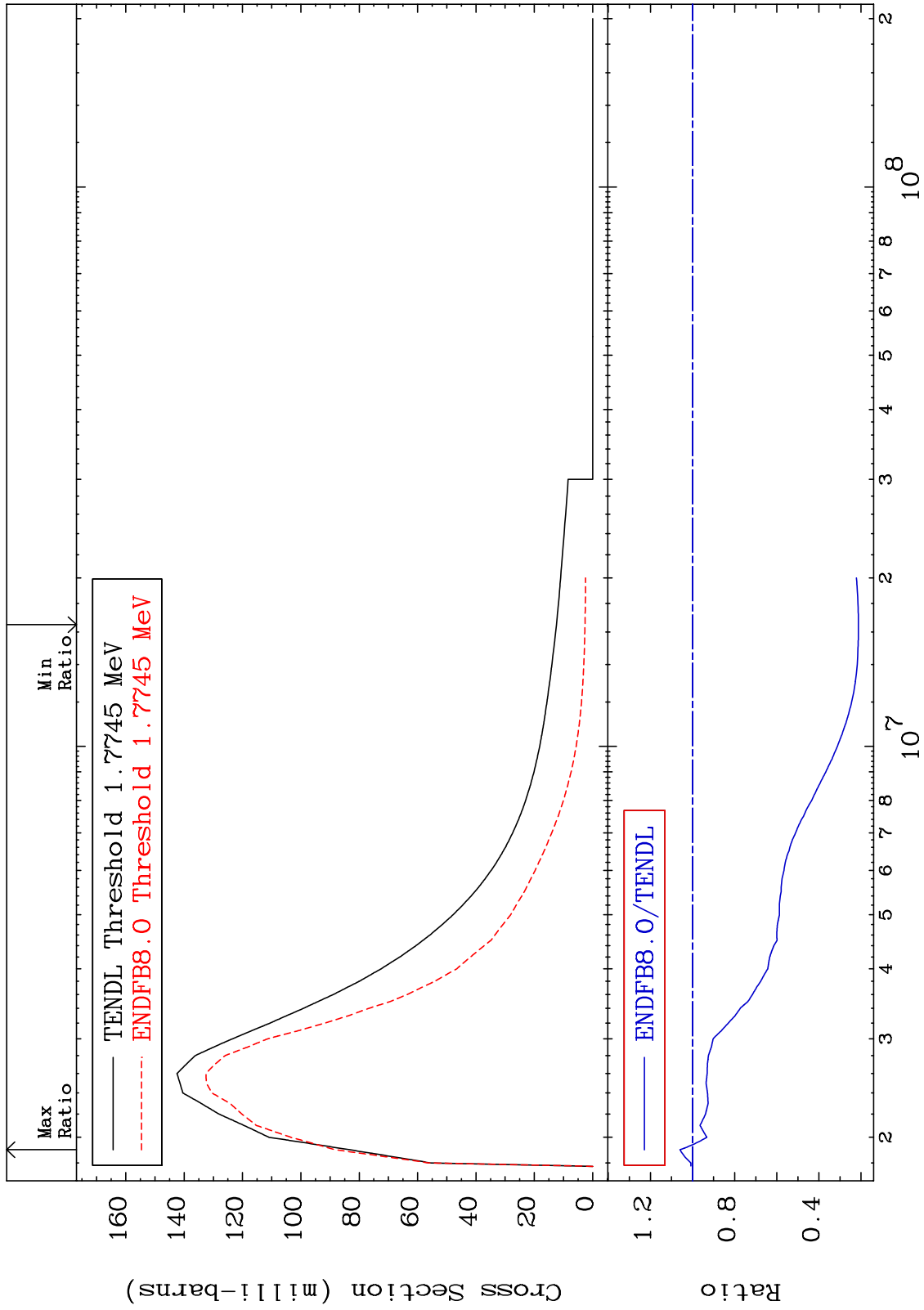
27-Co-59



MAT 2725

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

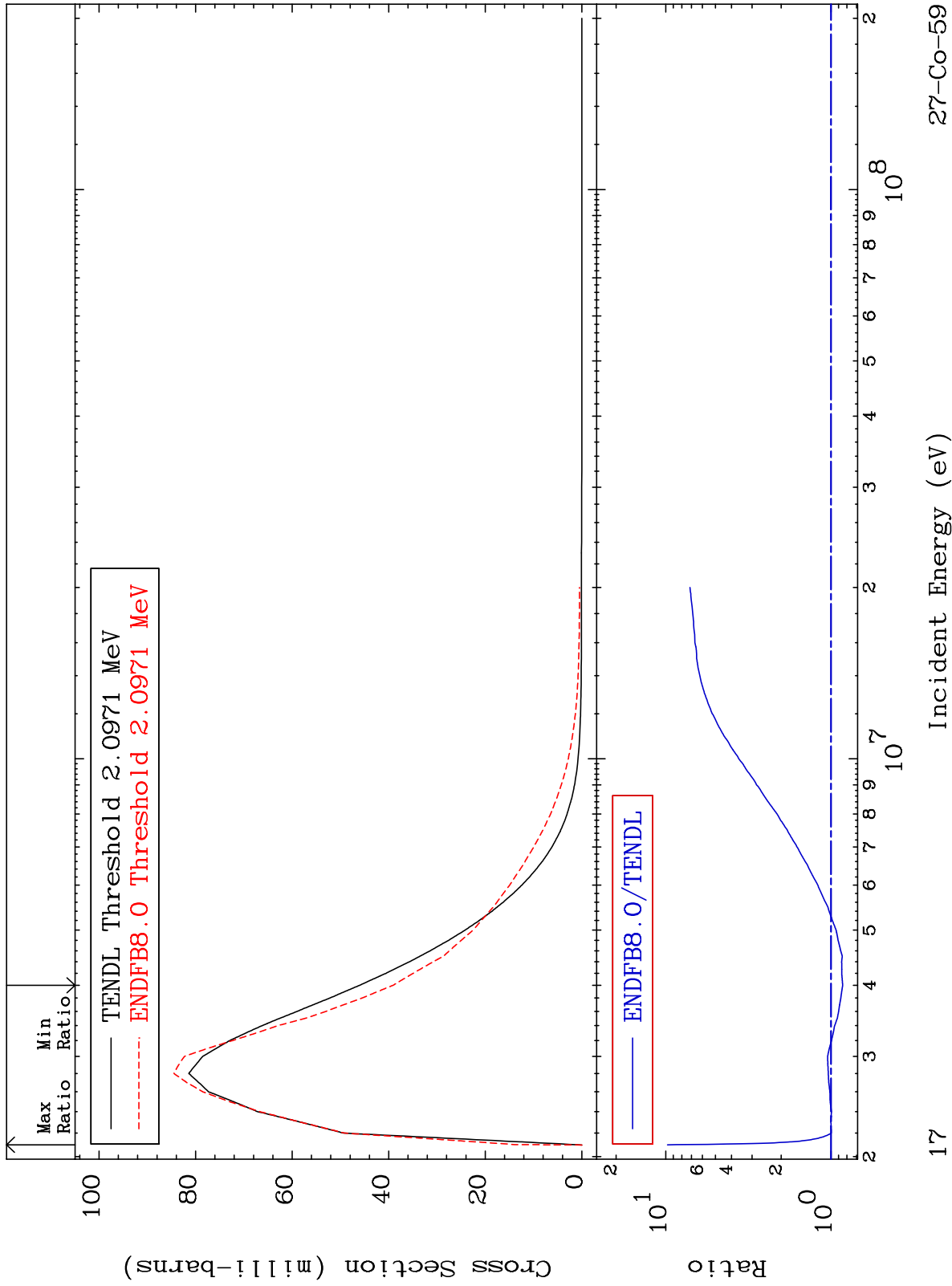
27-Co-59  
-78.74 To 5.951 %



MAT 2725

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

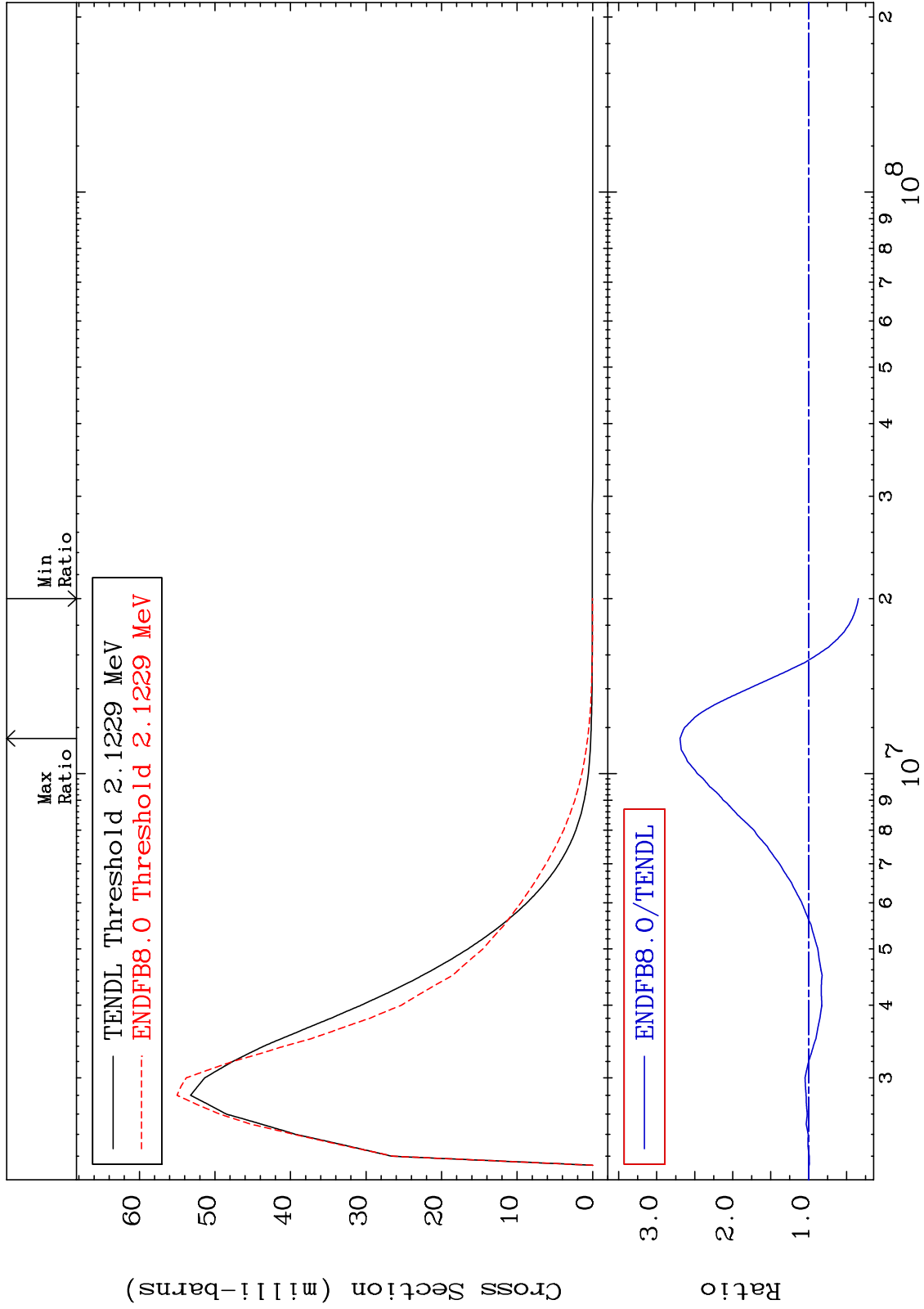
27-Co-59  
-15.04 To 875.4 %



MAT 2725

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

27-Co-59  
-65.51 To 169.3 %



18

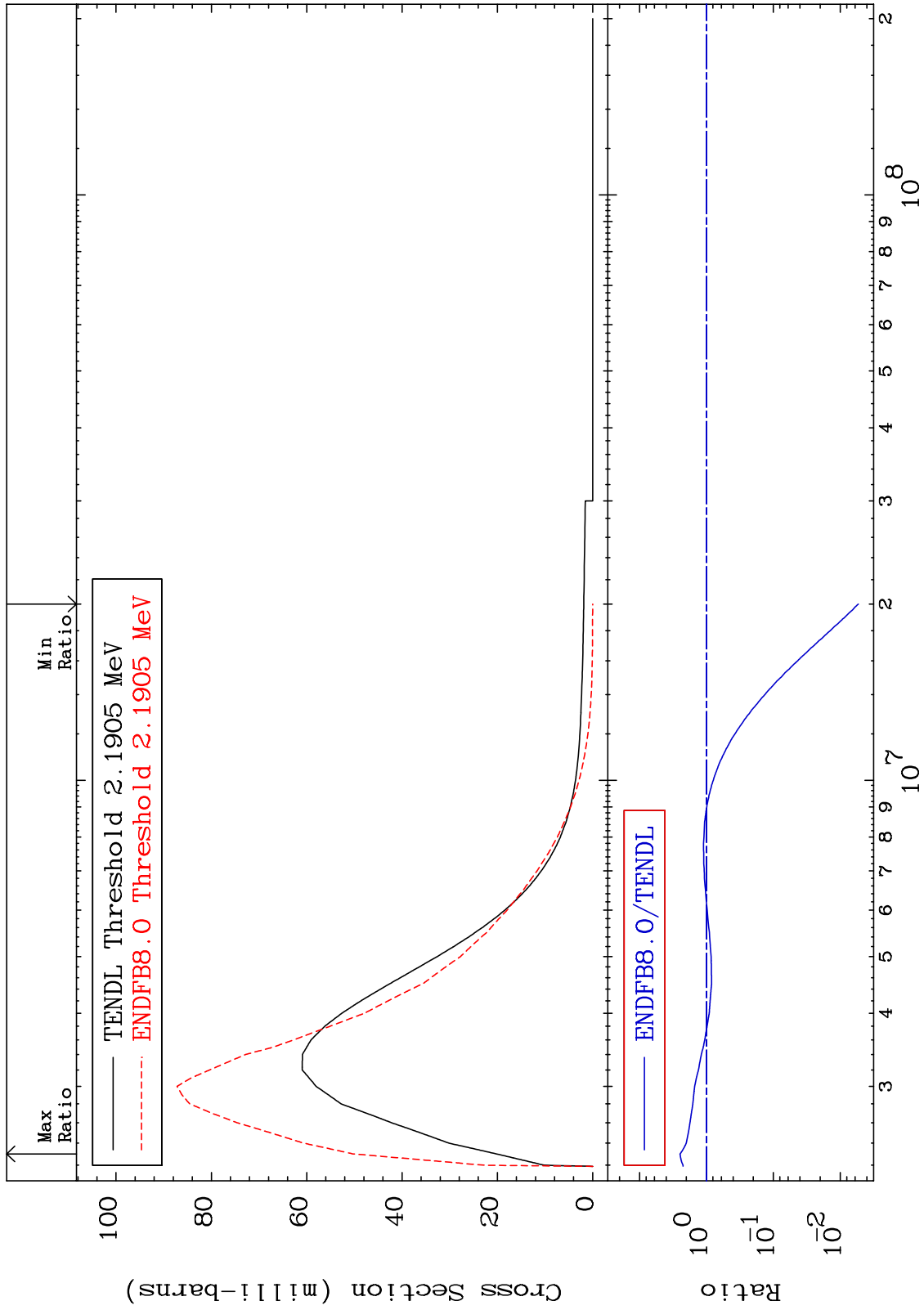
Incident Energy (eV)

27-Co-59

MAT 2725

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

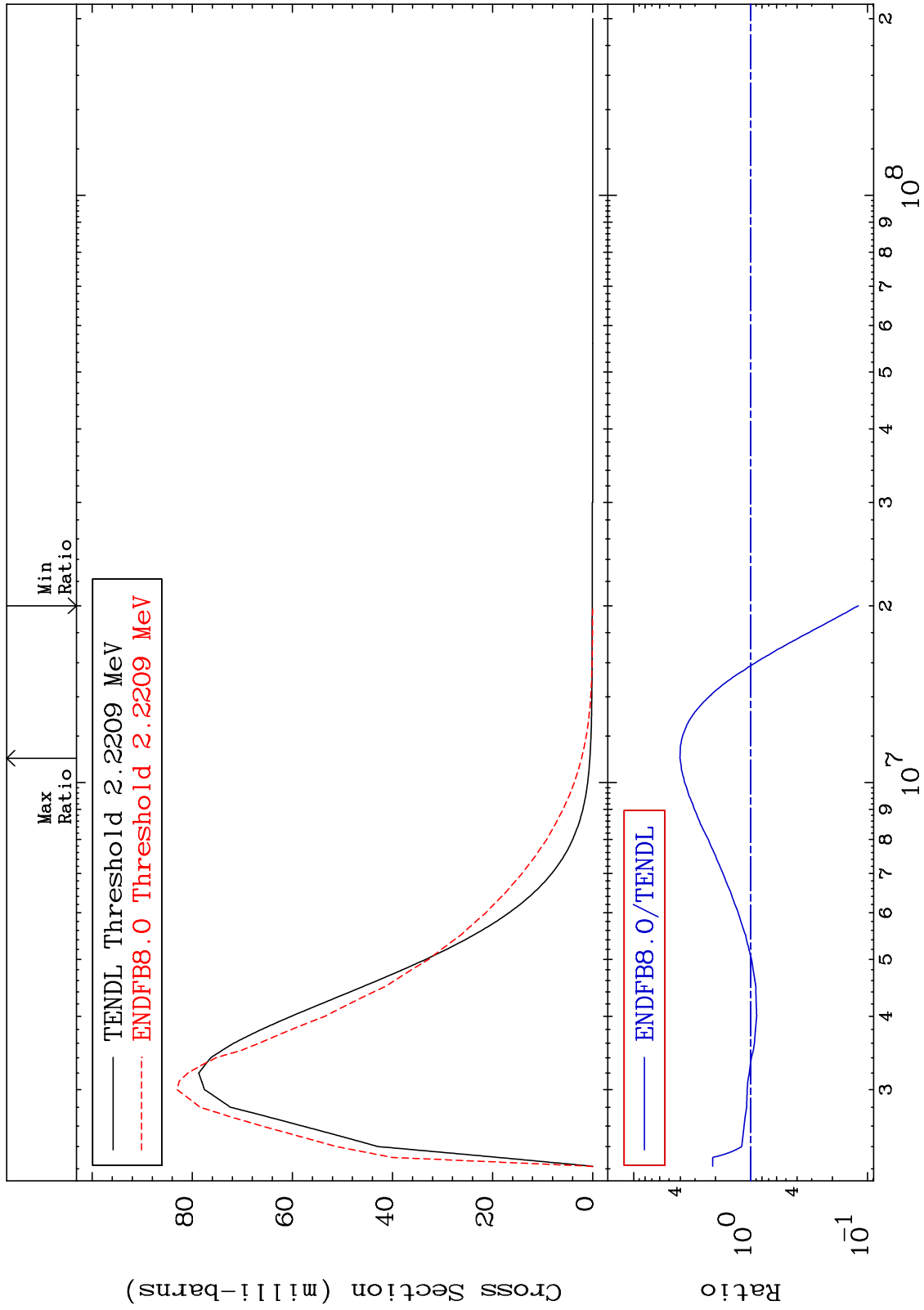
27-Co-59  
-99.46 To 148.7 %



MAT 2725

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

27-Co-59  
-88.02 To 302.1 %



20

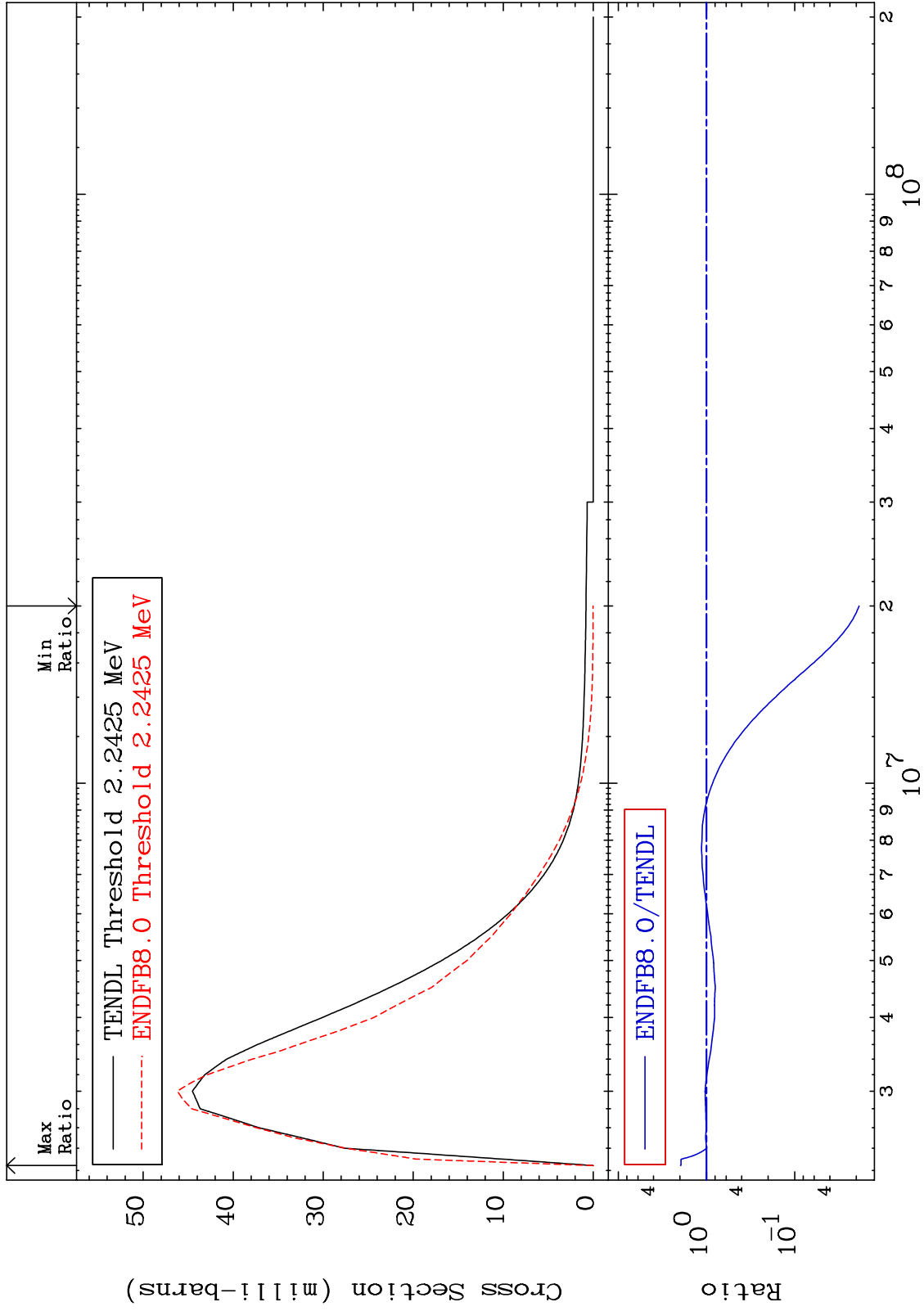
Incident Energy (eV)

27-Co-59

MAT 2725

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

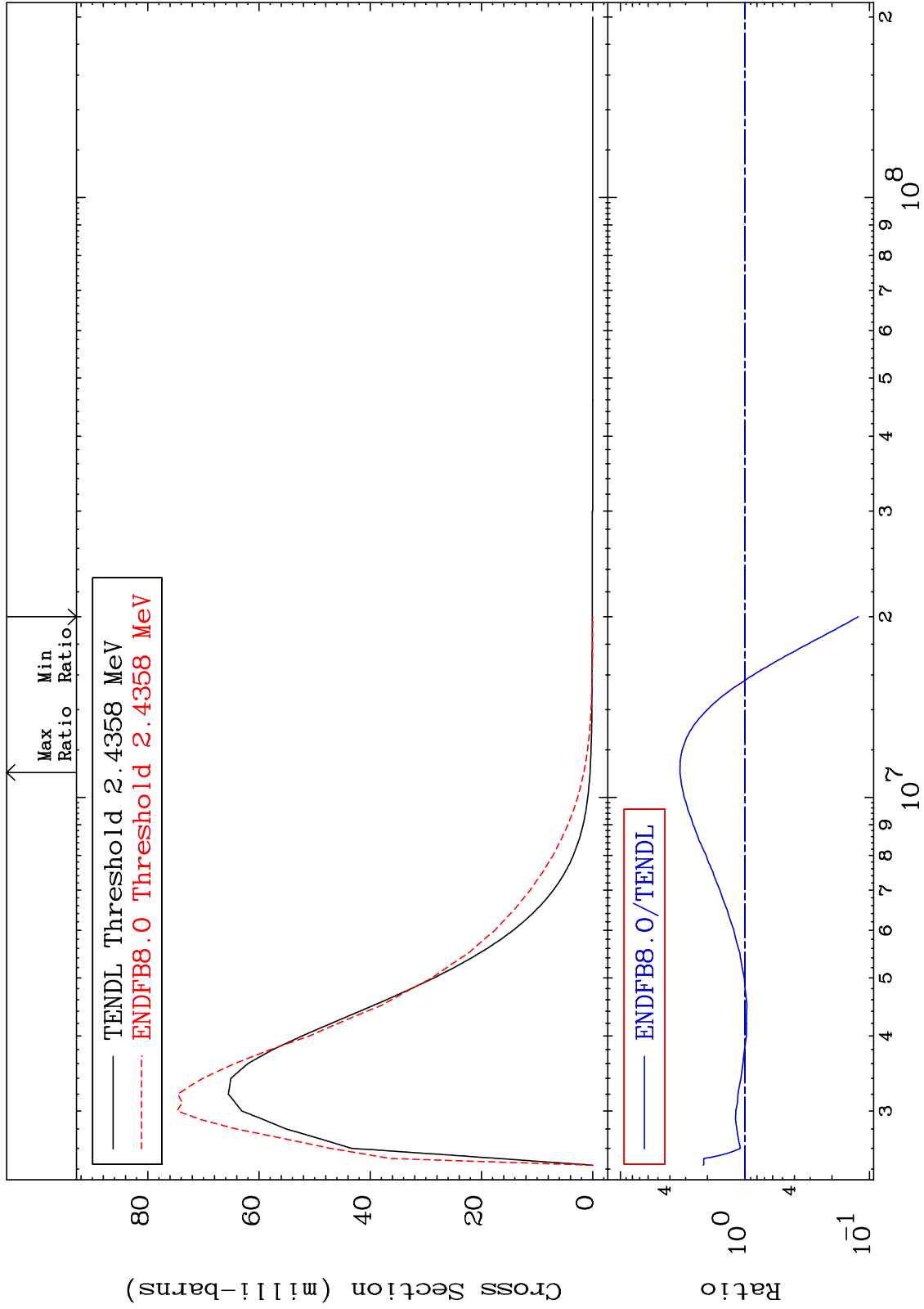
27-Co-59  
-98.14 To 96.65 %



MAT 2725

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

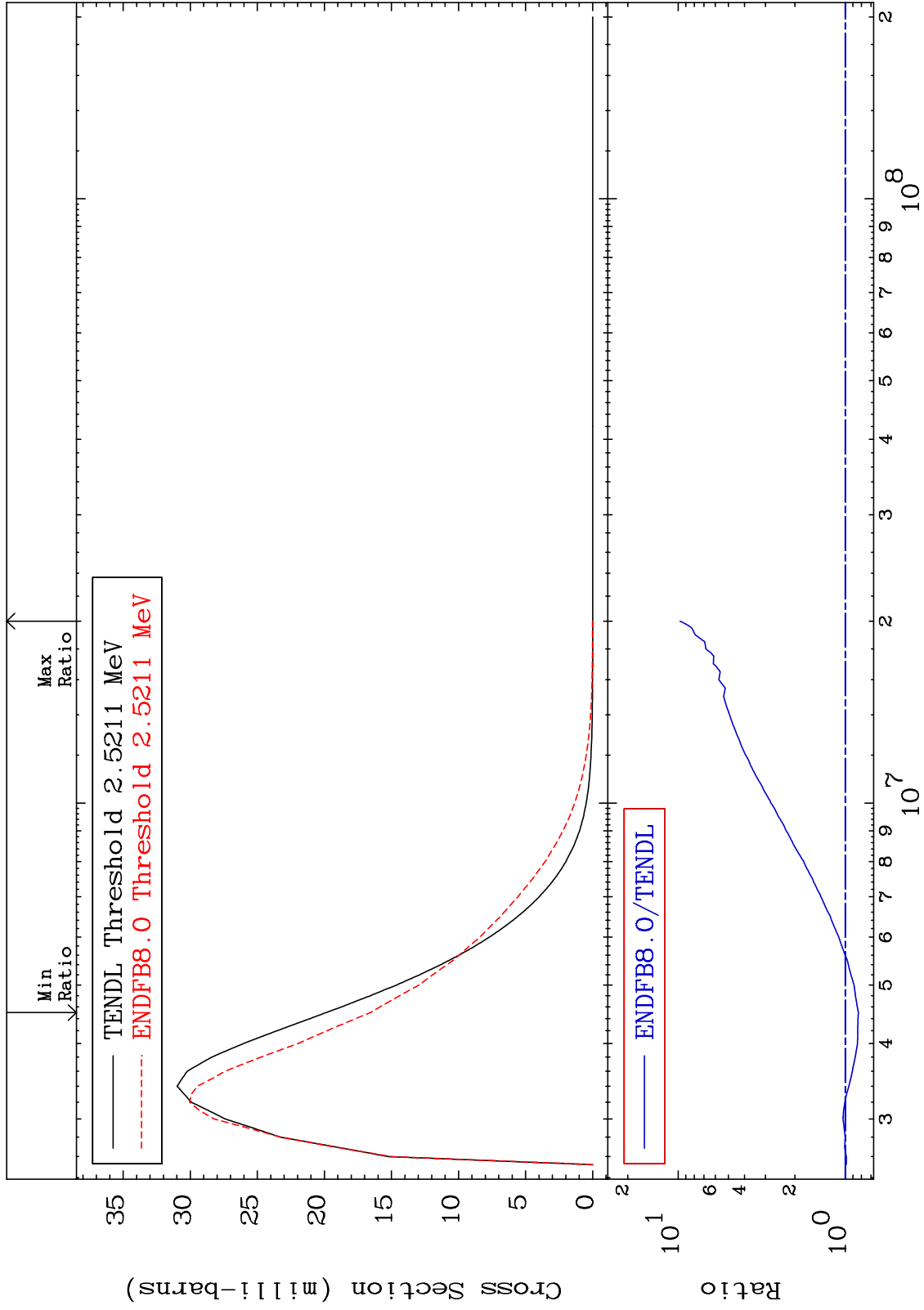
27-Co-59  
-87.72 To 232.1 %



MAT 2725

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

27-Co-59  
-16.64 To 874.3 %

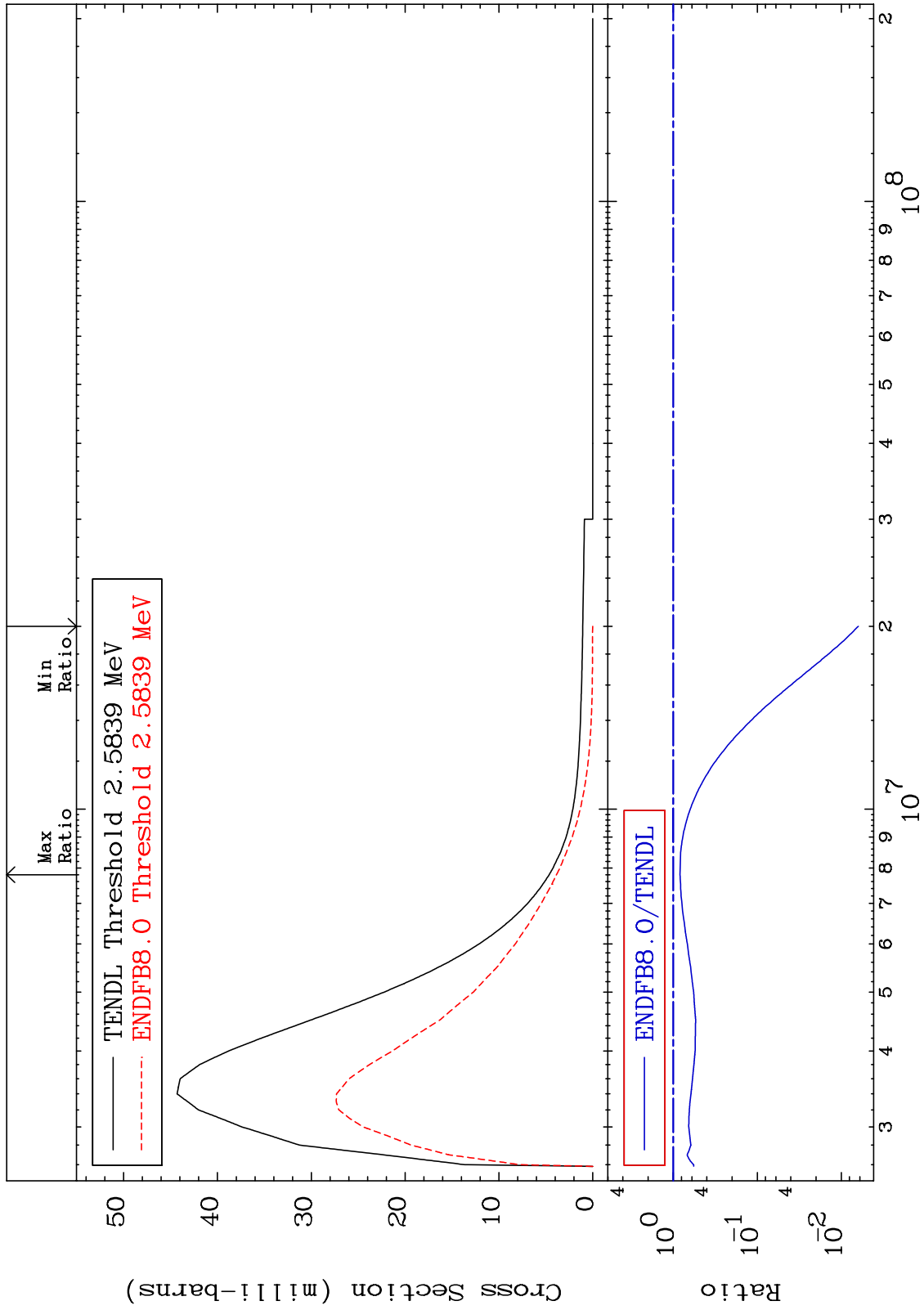




MAT 2725

MT= 65 (n,n') Level  
Cross Section

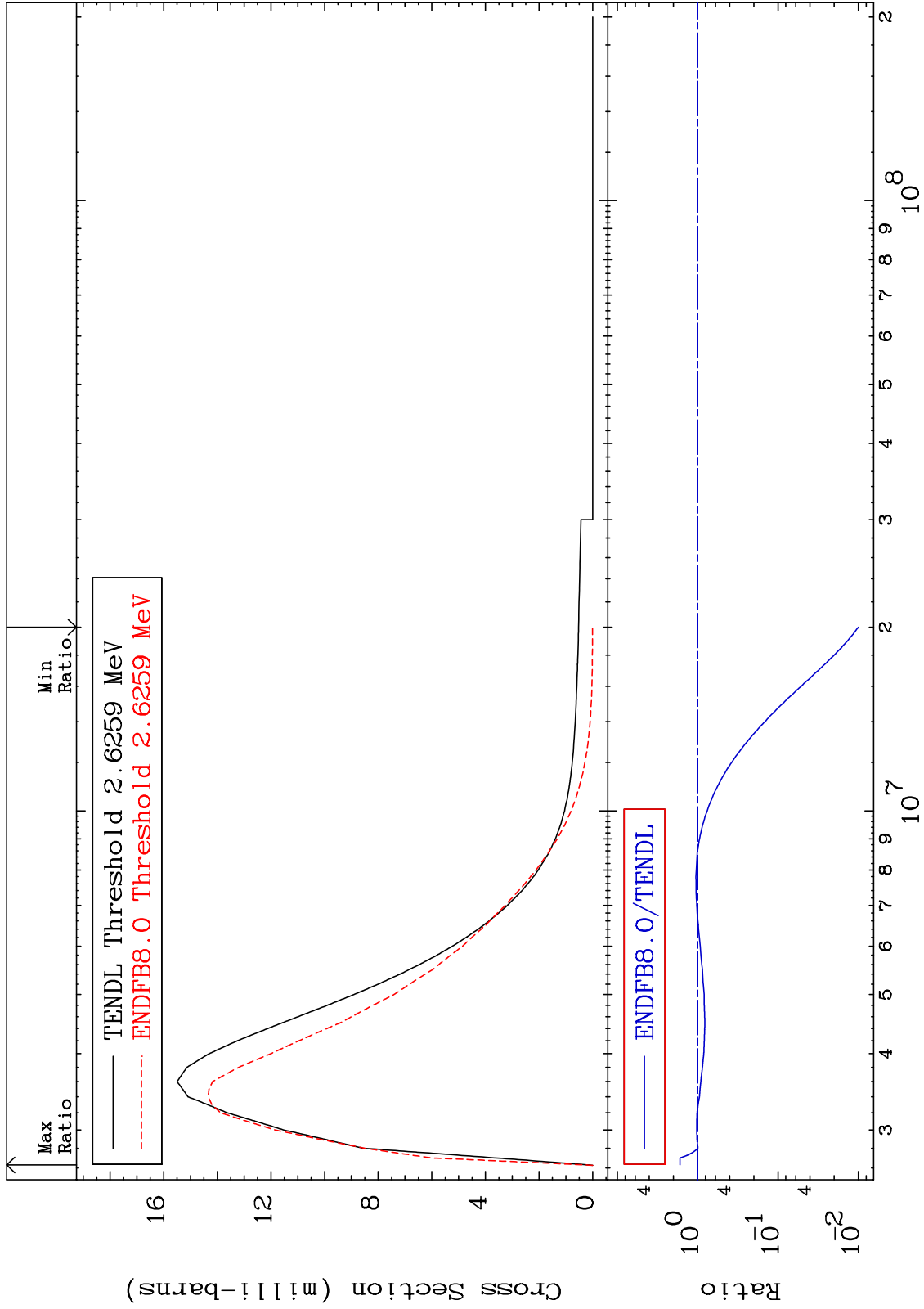
27-Co-59  
-99.37 To -16.83%



MAT 2725

MT= 66 (n,n') Level  
Cross Section

27-Co-59  
-99.00 To 65.84 %



25

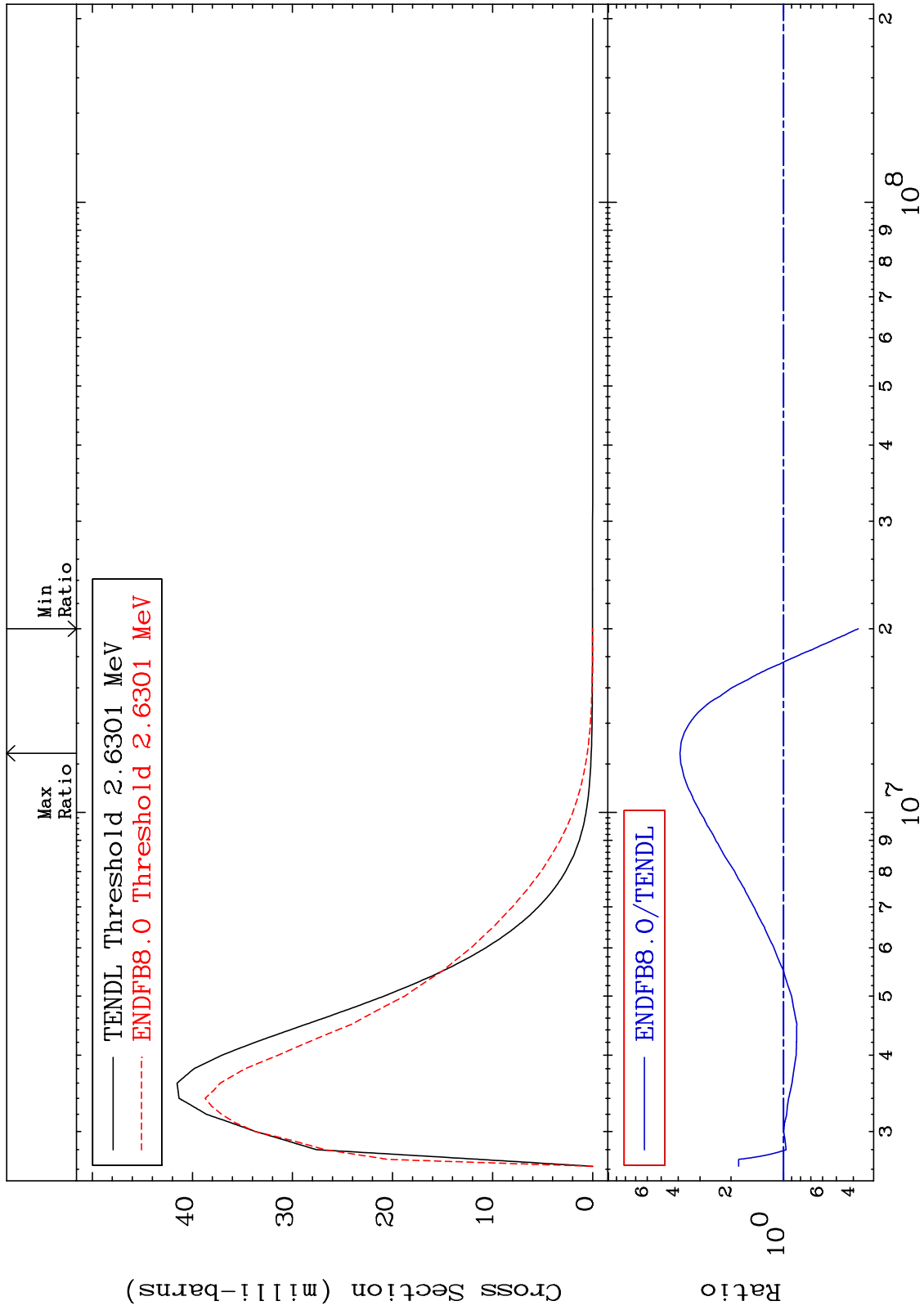
Incident Energy (eV)

27-Co-59

MAT 2725

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

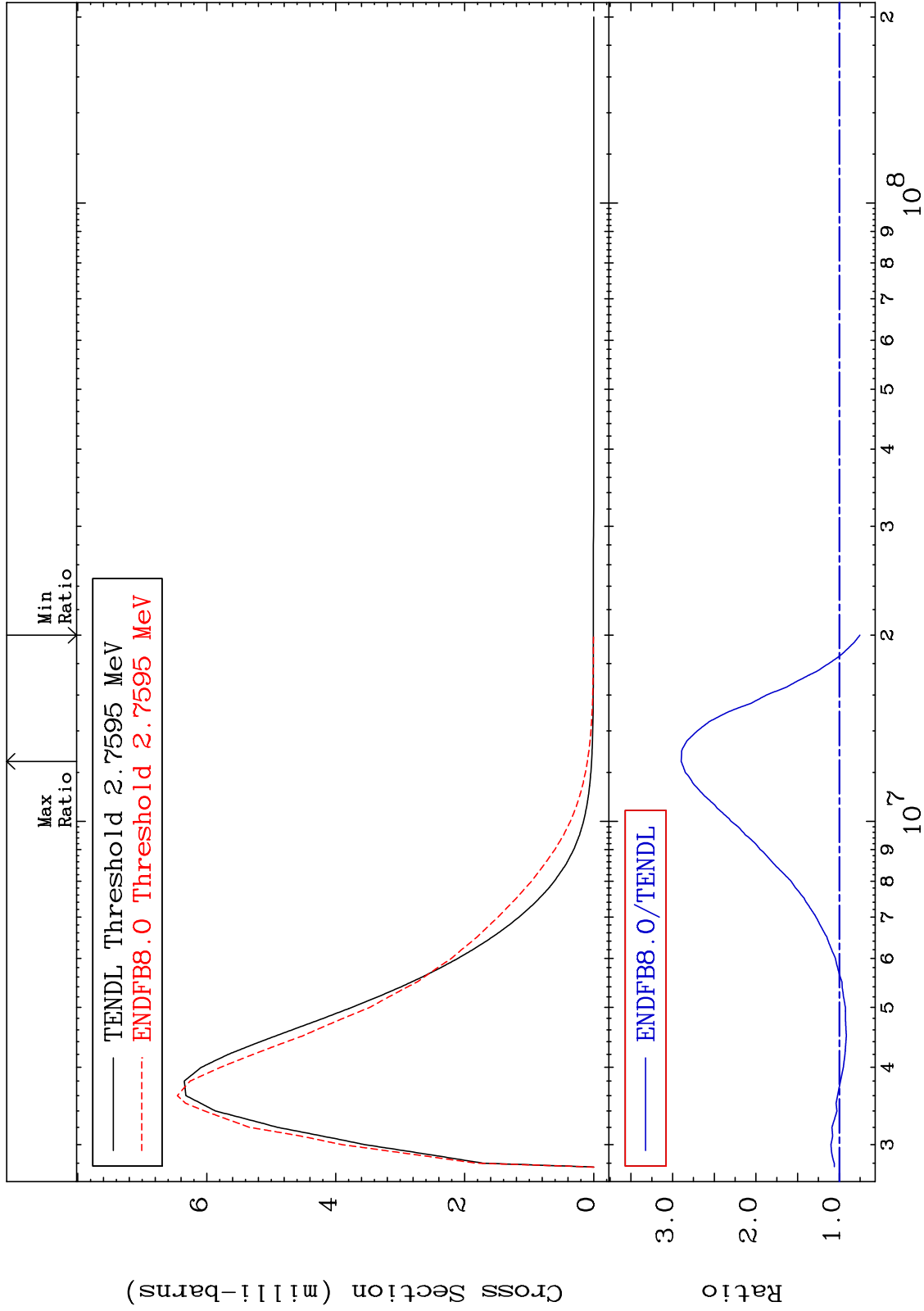
27-Co-59  
-62.58 To 290.5 %



MAT 2725

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

27-Co-59  
-24.77 To 189.7 %



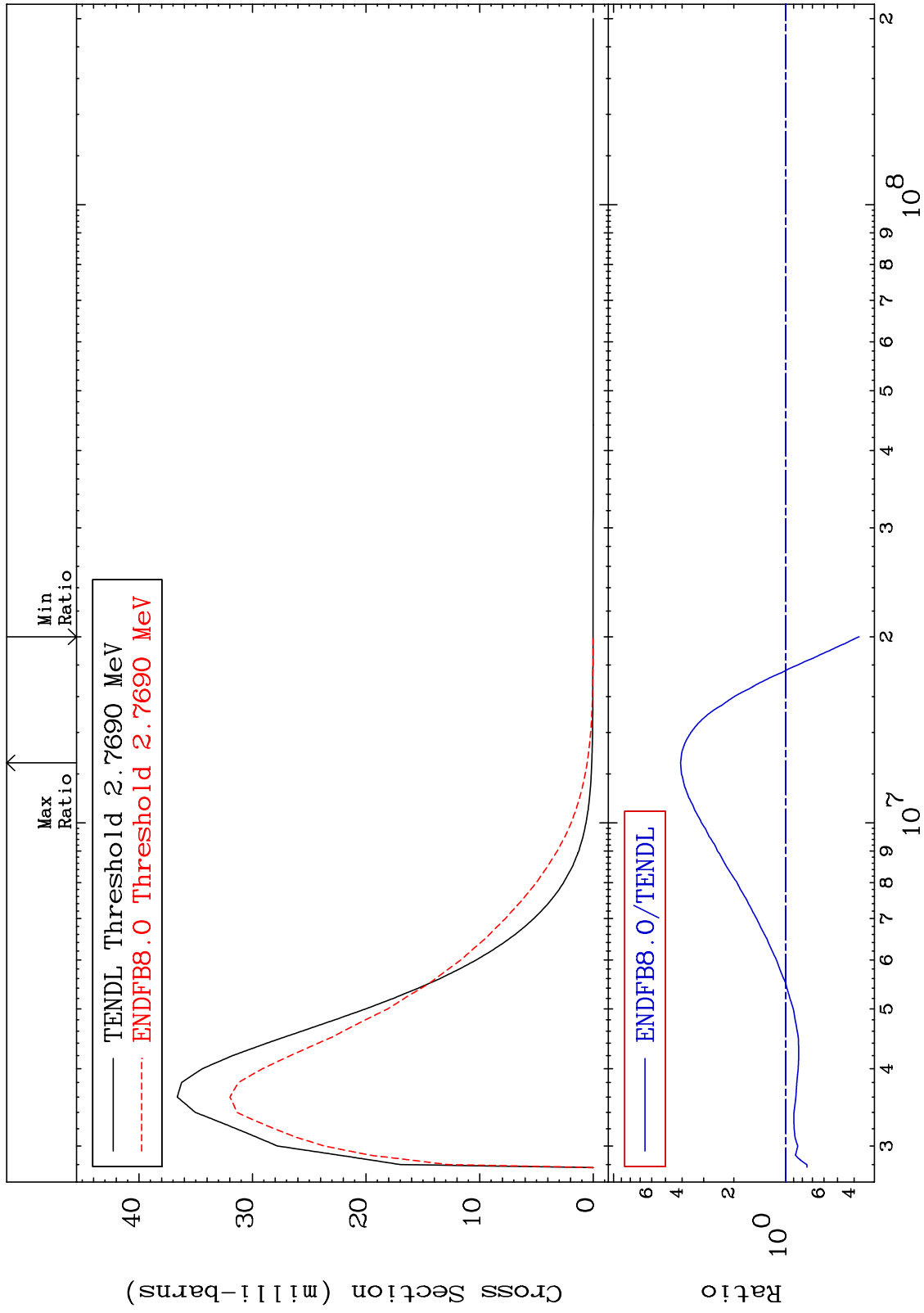
27

27-Co-59

MAT 2725

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

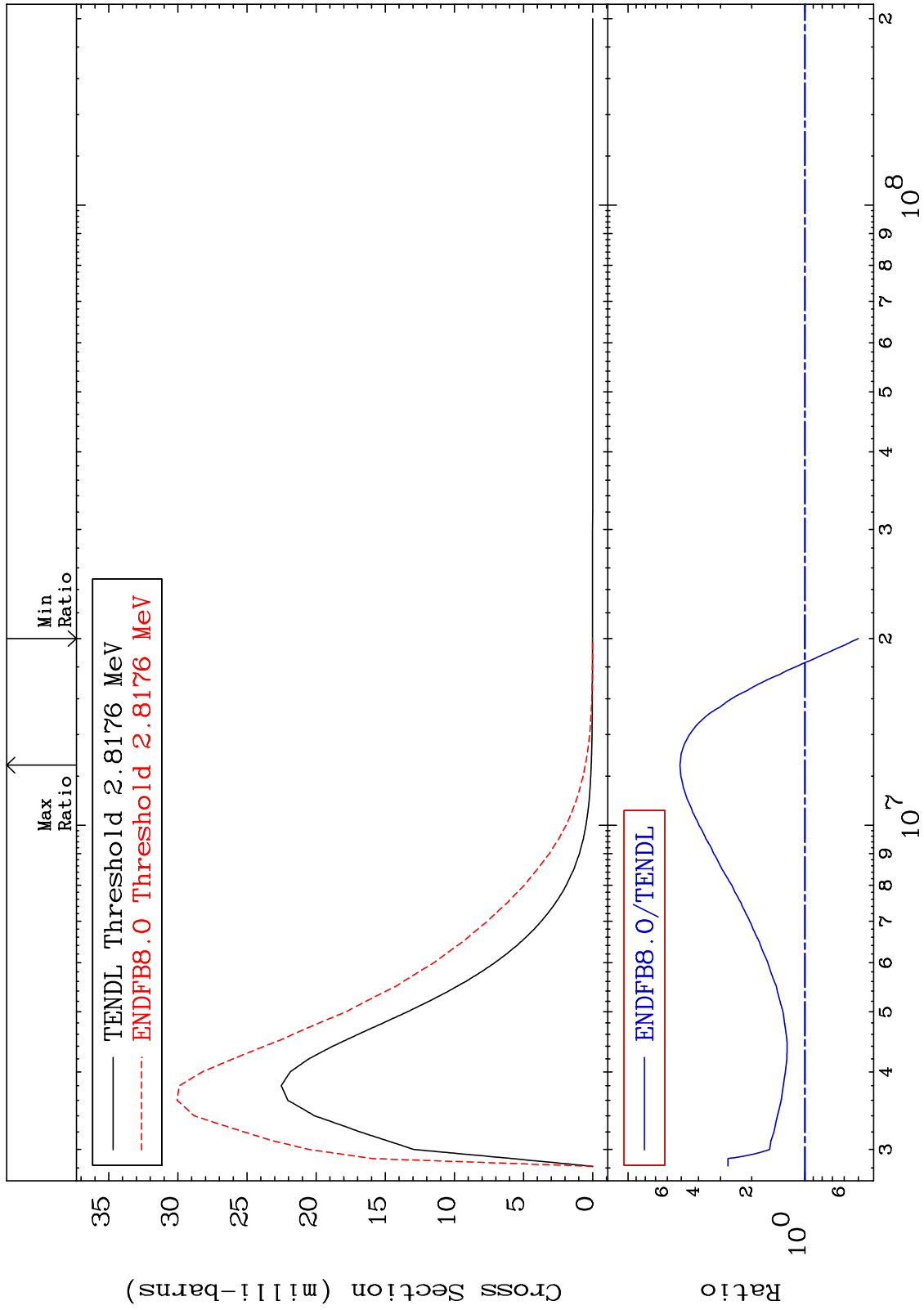
27-Co-59  
-62.57 To 307.9 %



MAT 2725

MT= 70 (n,n') Level  
Cross Section

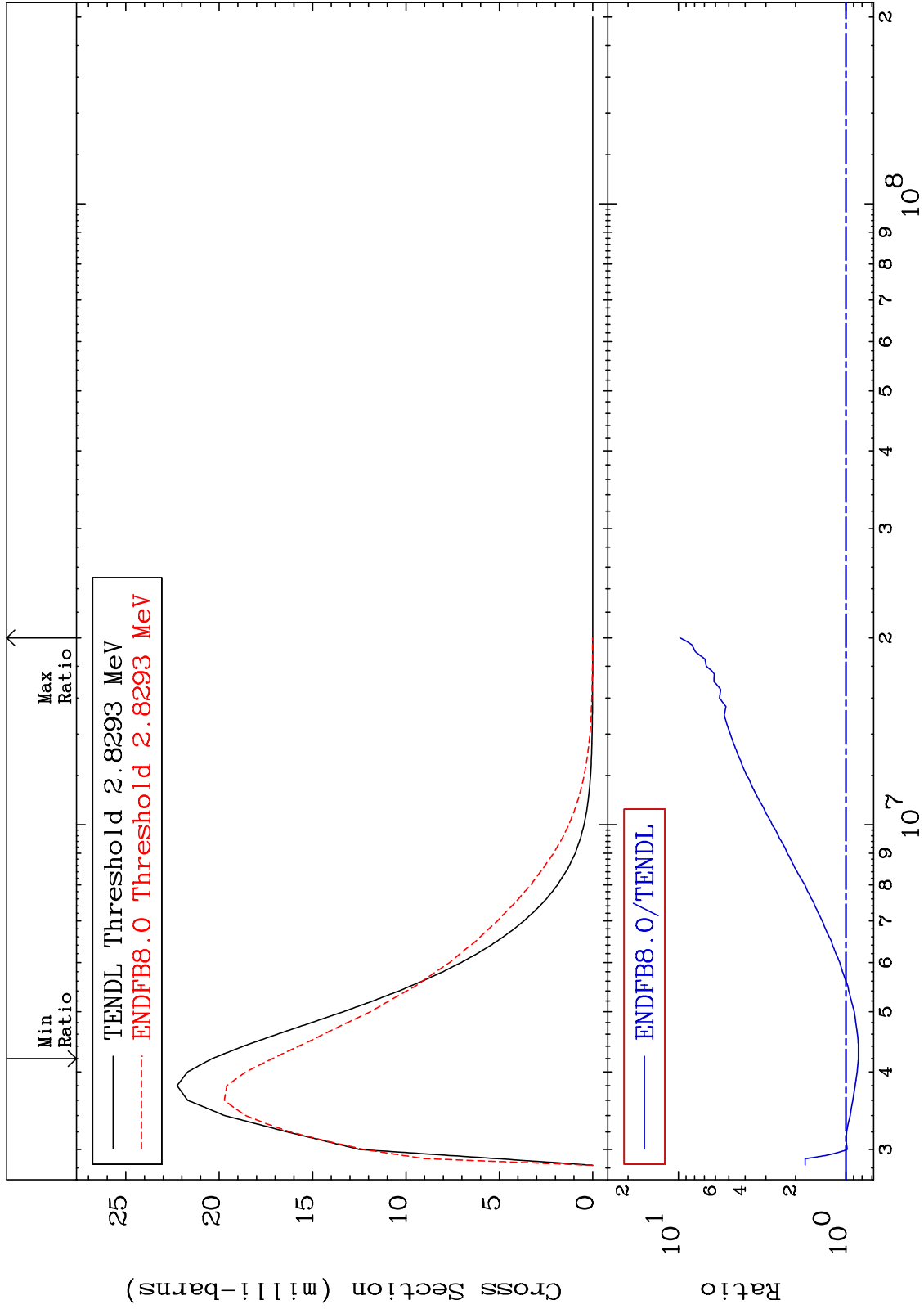
27-Co-59  
-50.08 To 408.5 %



MAT 2725

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

27-Co-59  
-15.85 To 878.3 %



30

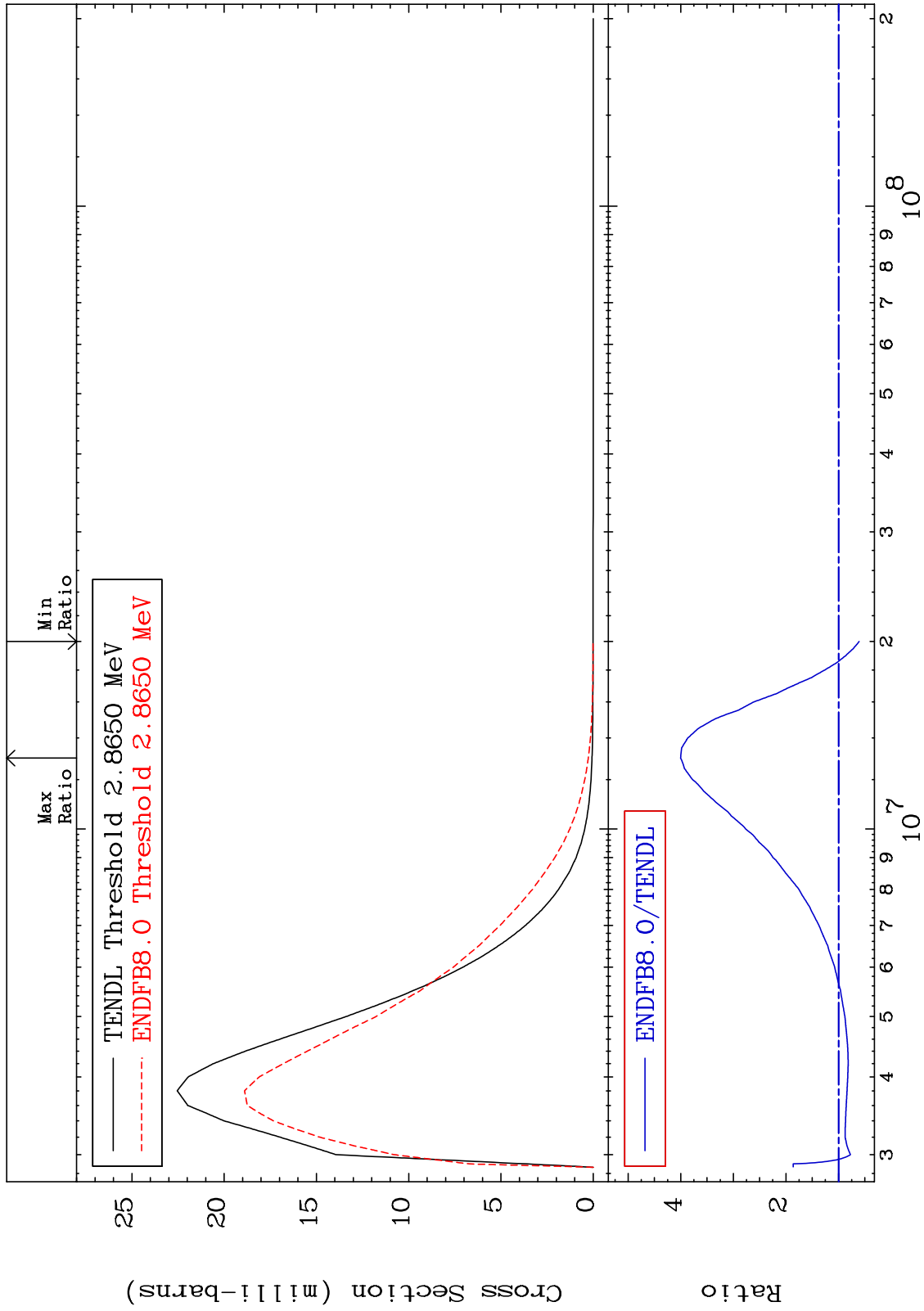
Incident Energy (eV)

27-Co-59

MAT 2725

MT= 72 (n,n') Level  
Cross Section

27-Co-59  
-39.27 To 300.2 %

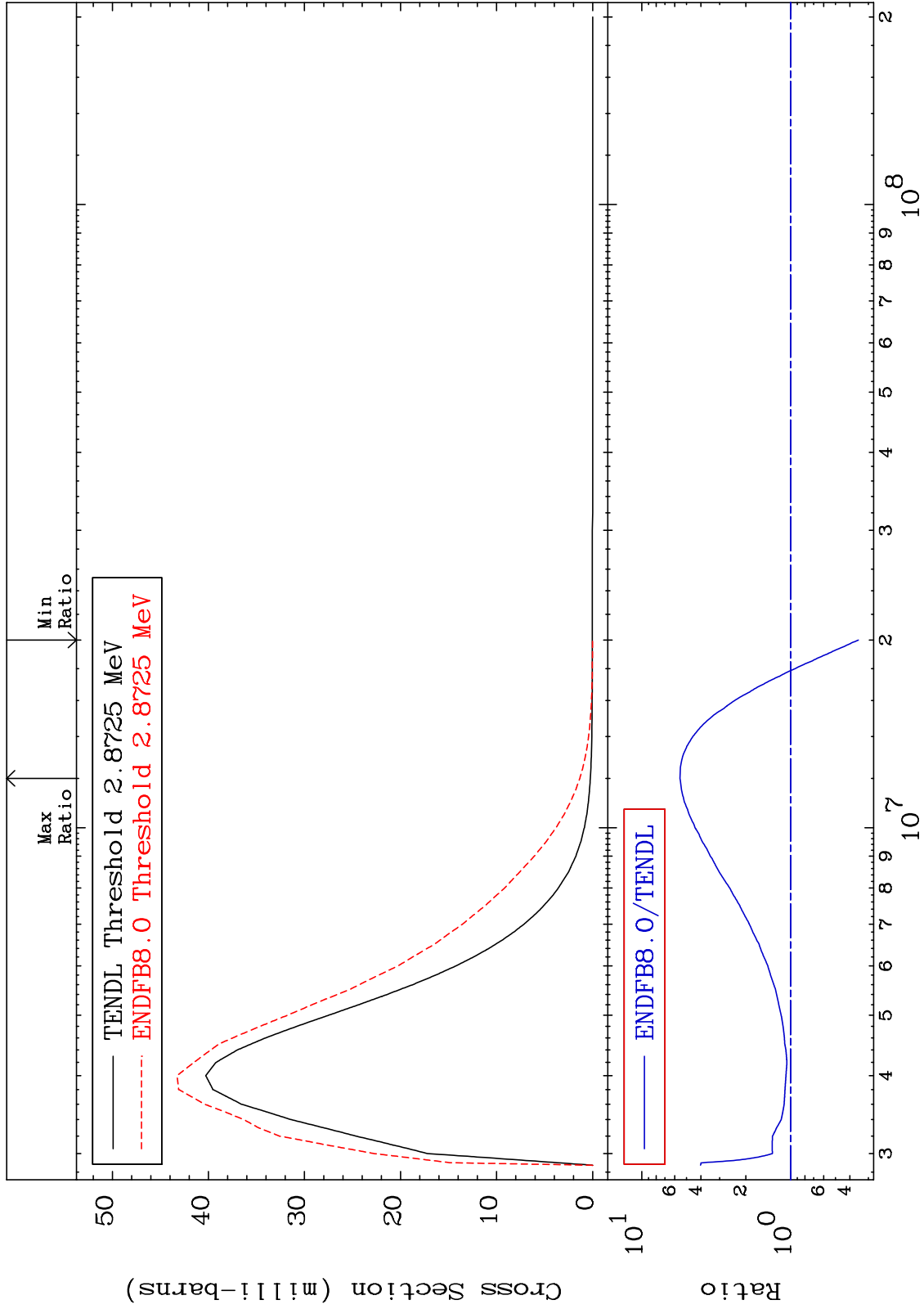




MAT 2725

MT= 73 (n,n') Level  
Cross Section

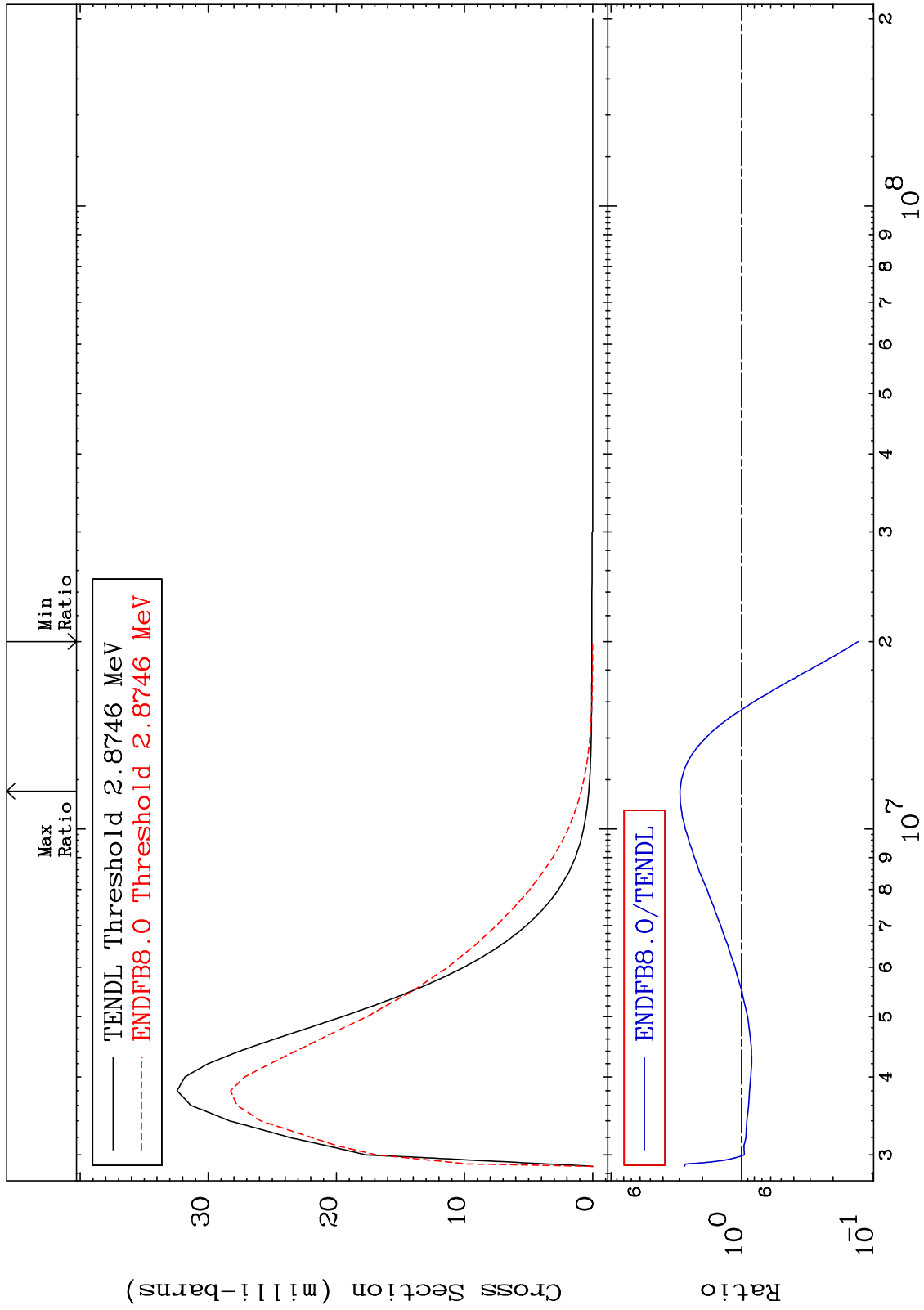
27-Co-59  
-65.00 To 453.4 %



MAT 2725

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

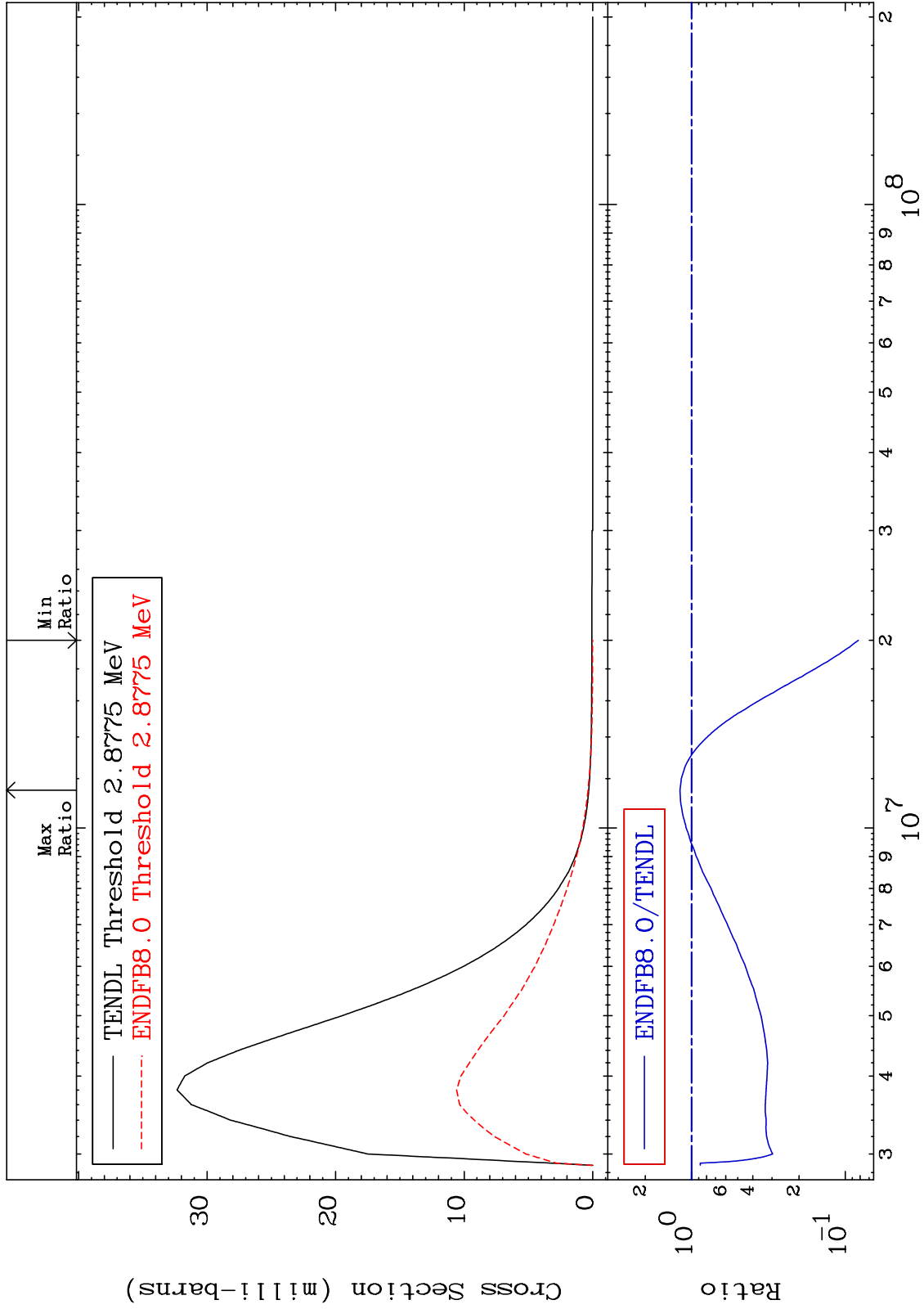
27-Co-59  
-87.20 To 196.4 %



MAT 2725

MT= 75 (n,n') Level  
Cross Section

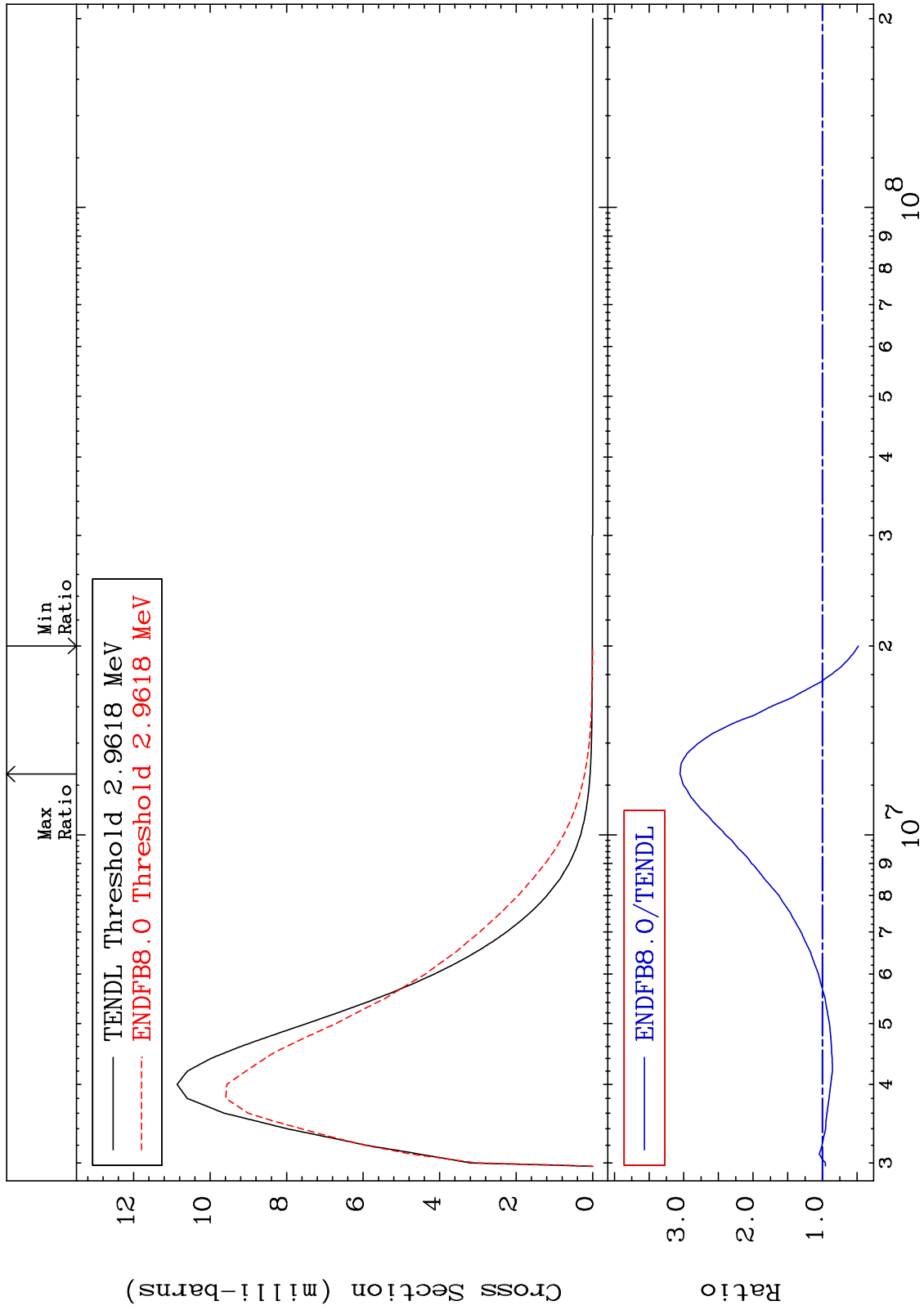
27-Co-59  
-91.79 To 18.96 %



MAT 2725

MT= 76 (n,n') Level  
Cross Section

27-Co-59  
-51.94 To 205.4 %



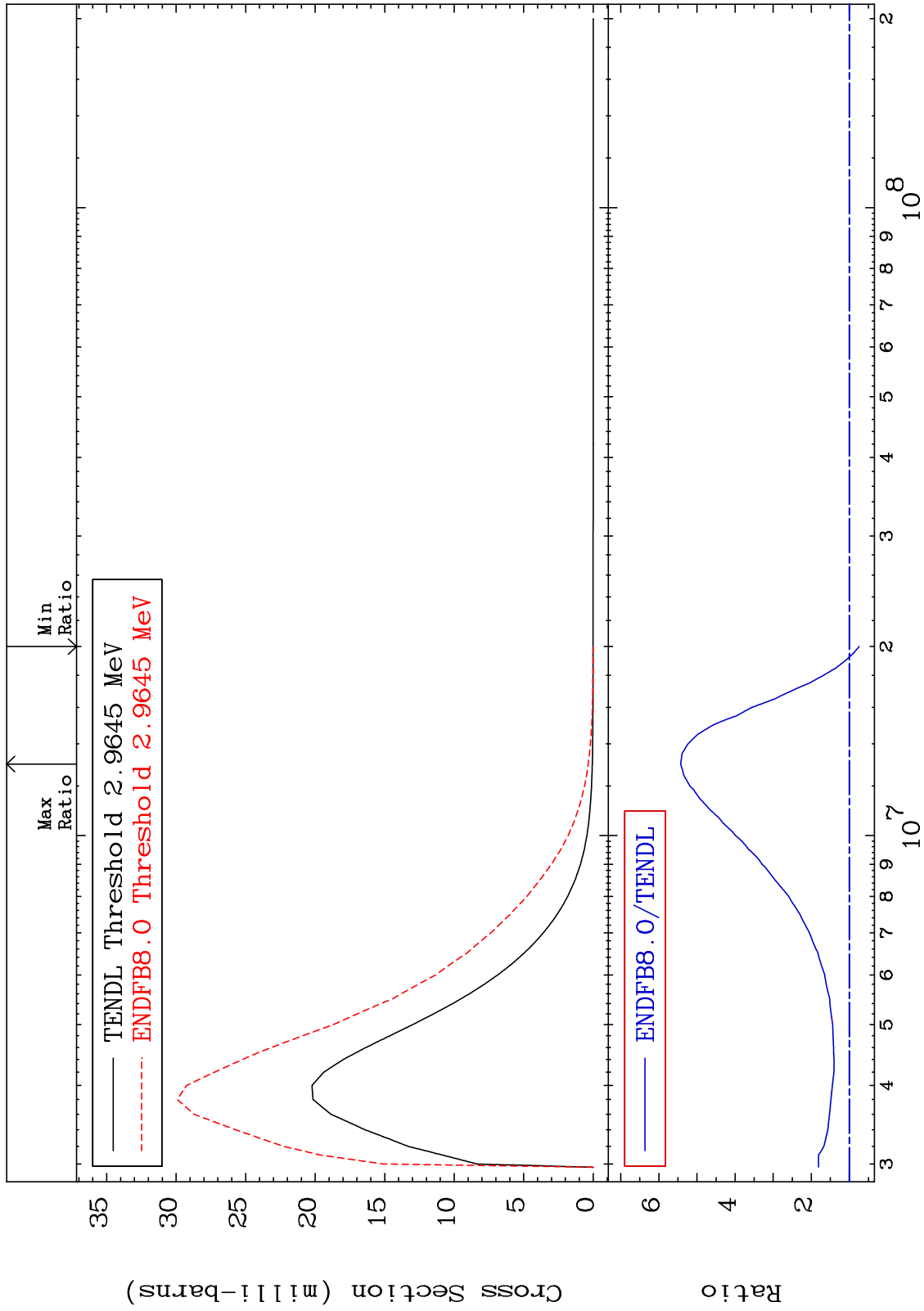
35

27-Co-59

MAT 2725

MT= 77 (n,n') Level  
Cross Section

27-Co-59  
-25.71 To 442.9 %



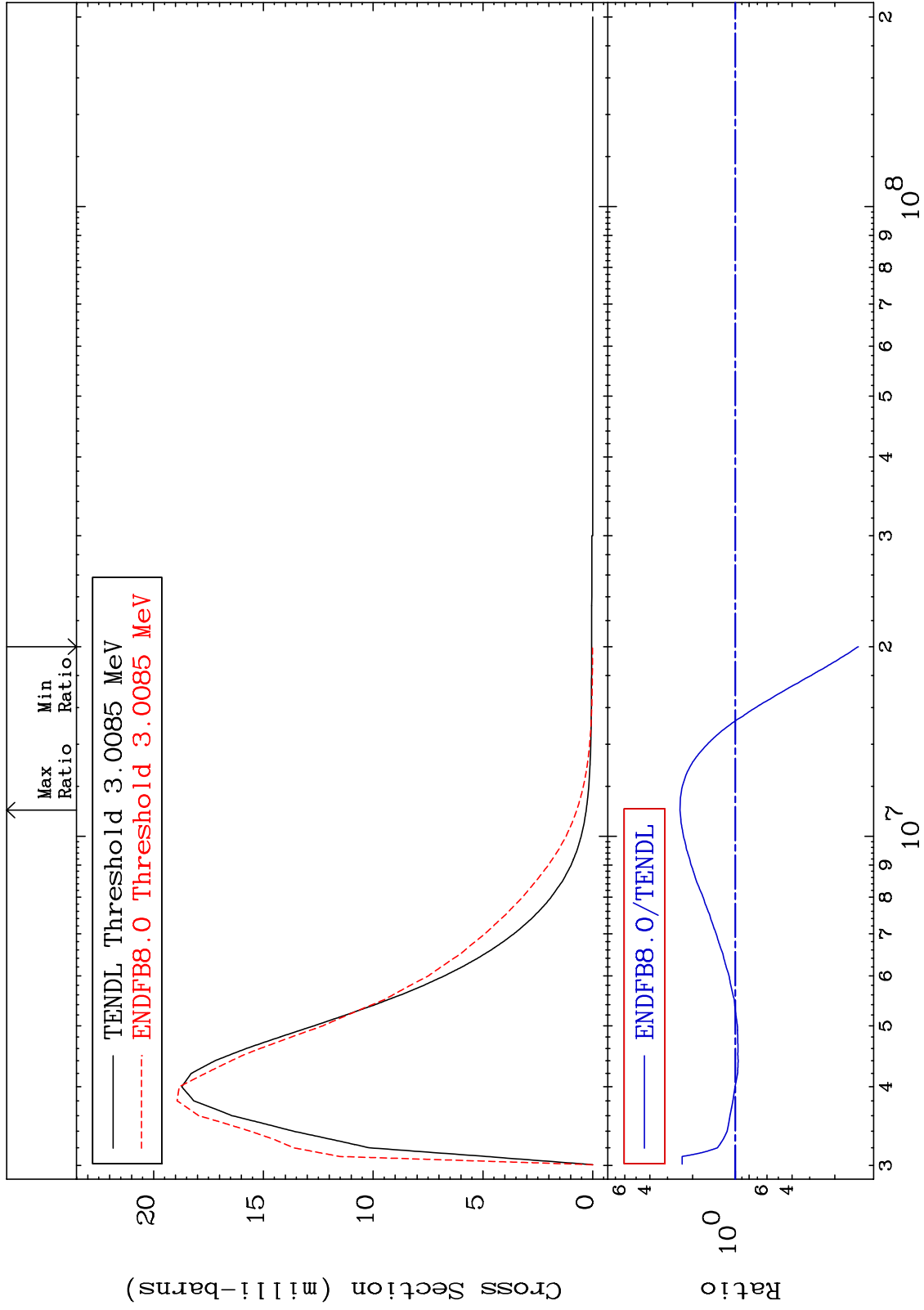
36

27-Co-59

MAT 2725

MT= 78 (n,n') Level  
Cross Section

27-Co-59  
-86.36 To 145.3 %



37

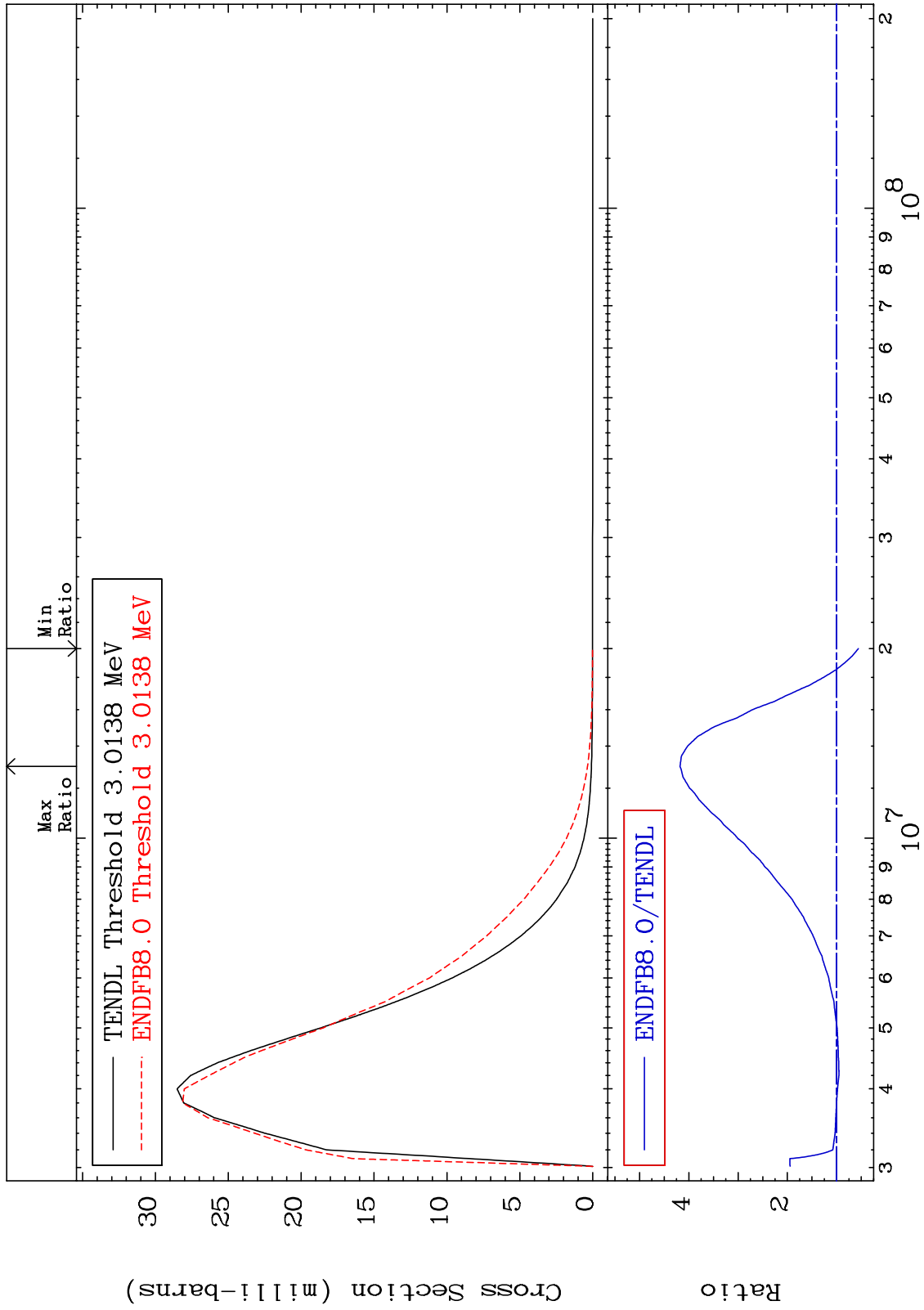
Incident Energy (eV)

27-Co-59

MAT 2725

MT= 79 (n,n') Level  
Cross Section

27-Co-59  
-44.20 To 317.9 %



38

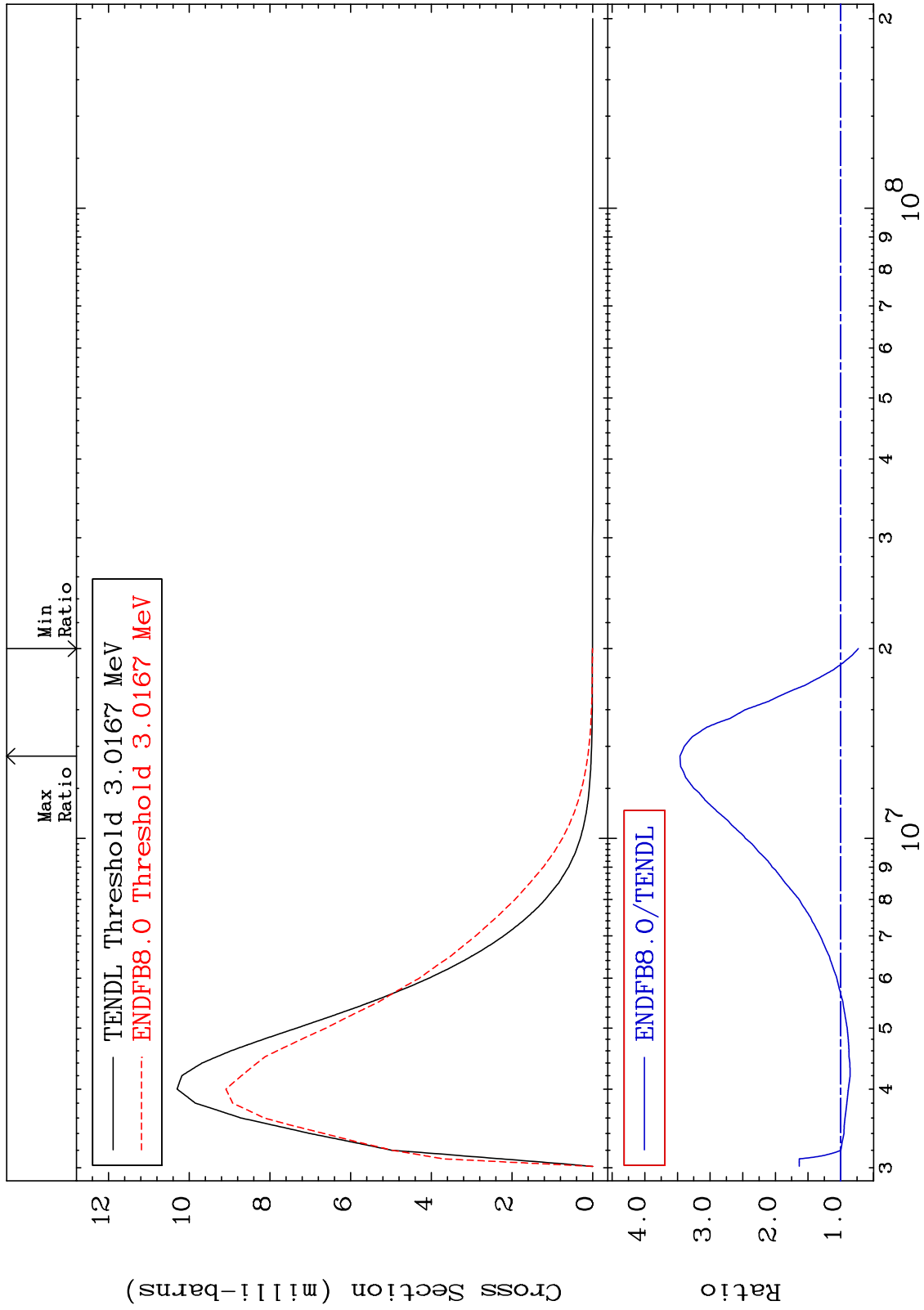
Incident Energy (eV)

27-Co-59

MAT 2725

MT= 80 (n,n') Level  
Cross Section

27-Co-59  
-27.18 To 246.1 %

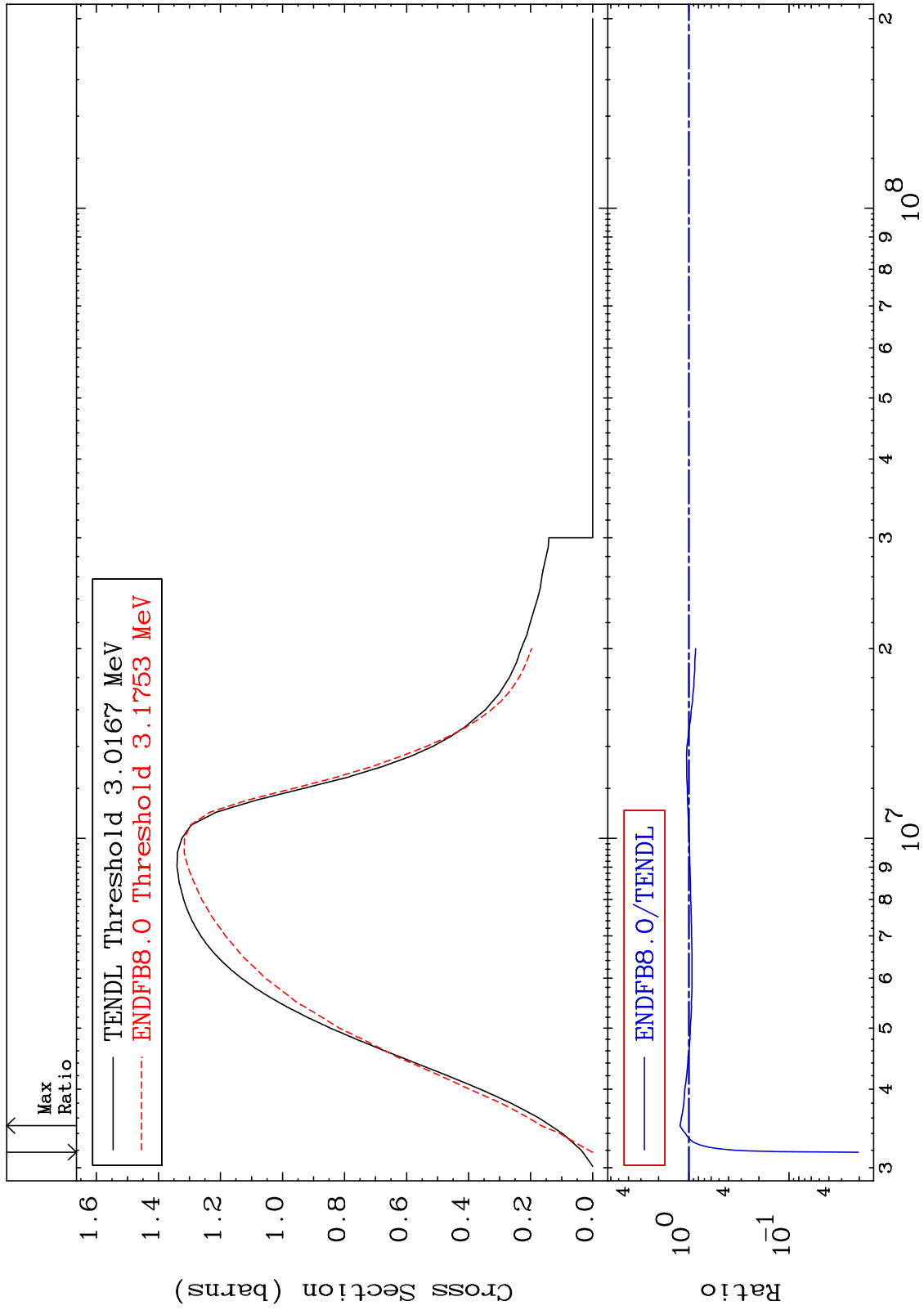




MAT 2725

(n,n') Continuum  
Cross Section

27-Co-59  
-97.97 To 22.31 %



40

Incident Energy (eV)

27-Co-59

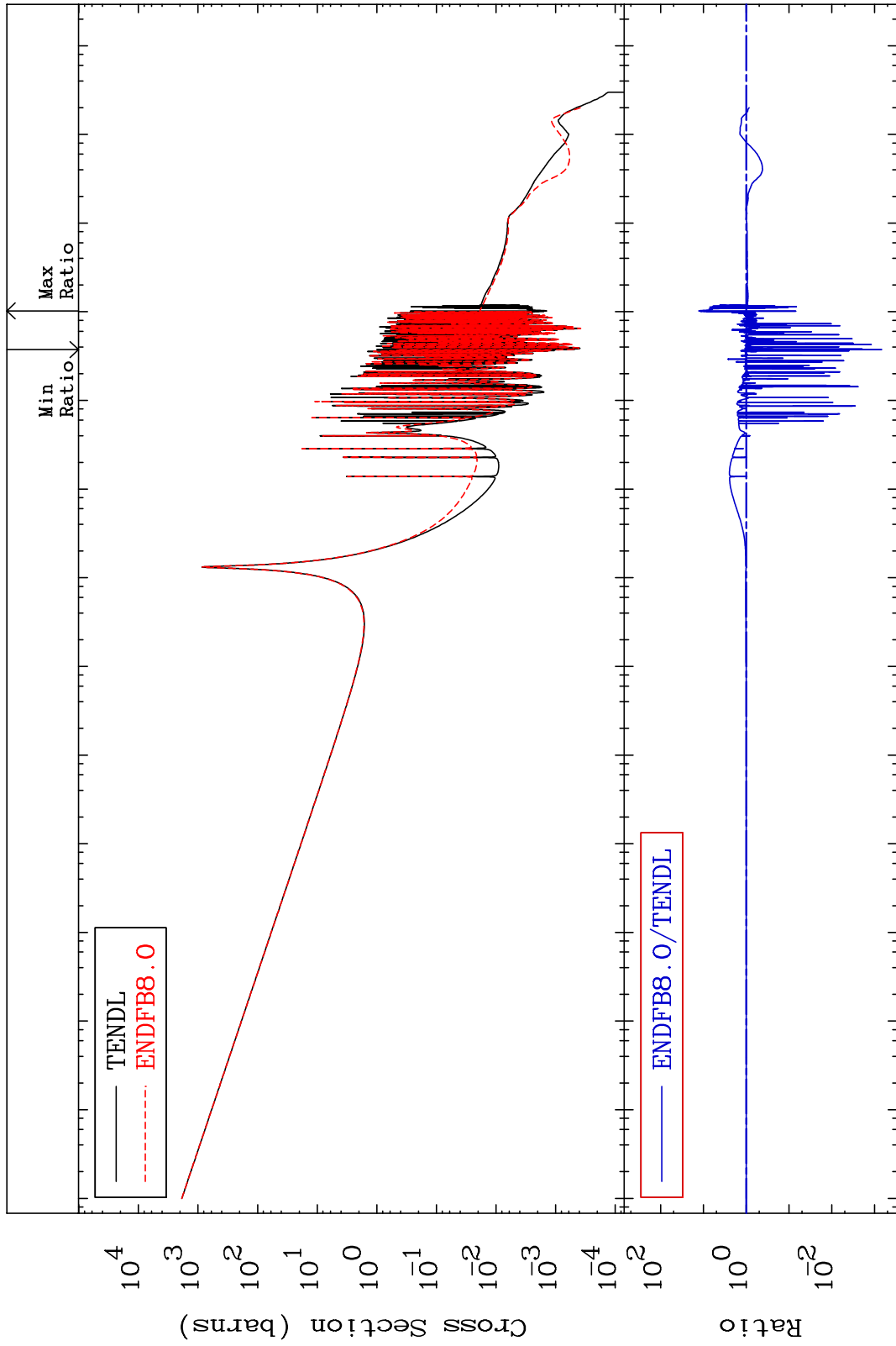
MAT 2725

(n,  $\gamma$ )

27-Co-59

Cross Section

-99.93 To 1216. %



Incident Energy (eV)

27-Co-59

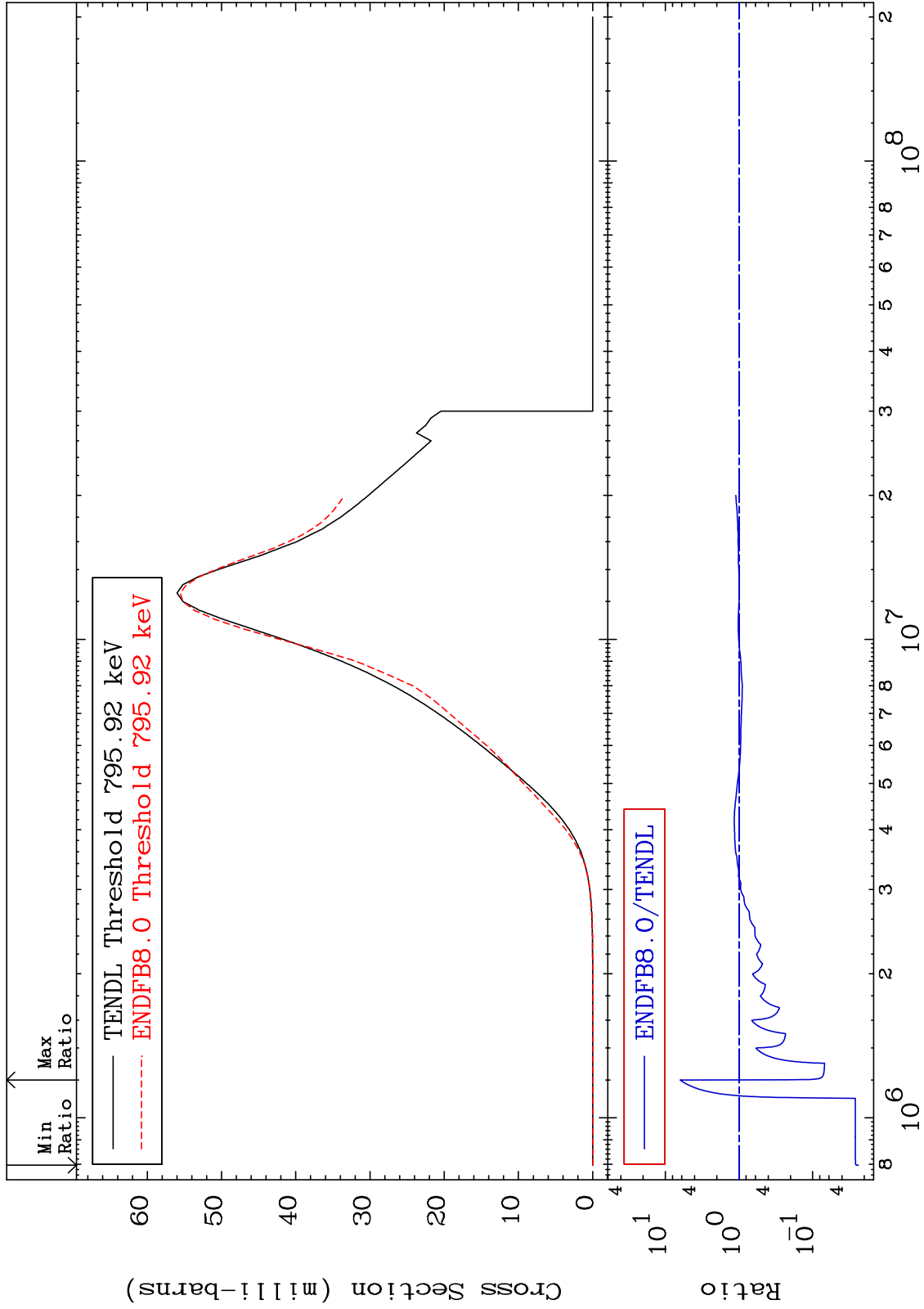
MAT 2725

(n,p)

27-Co-59

Cross Section

-97.61 To 531.1 %



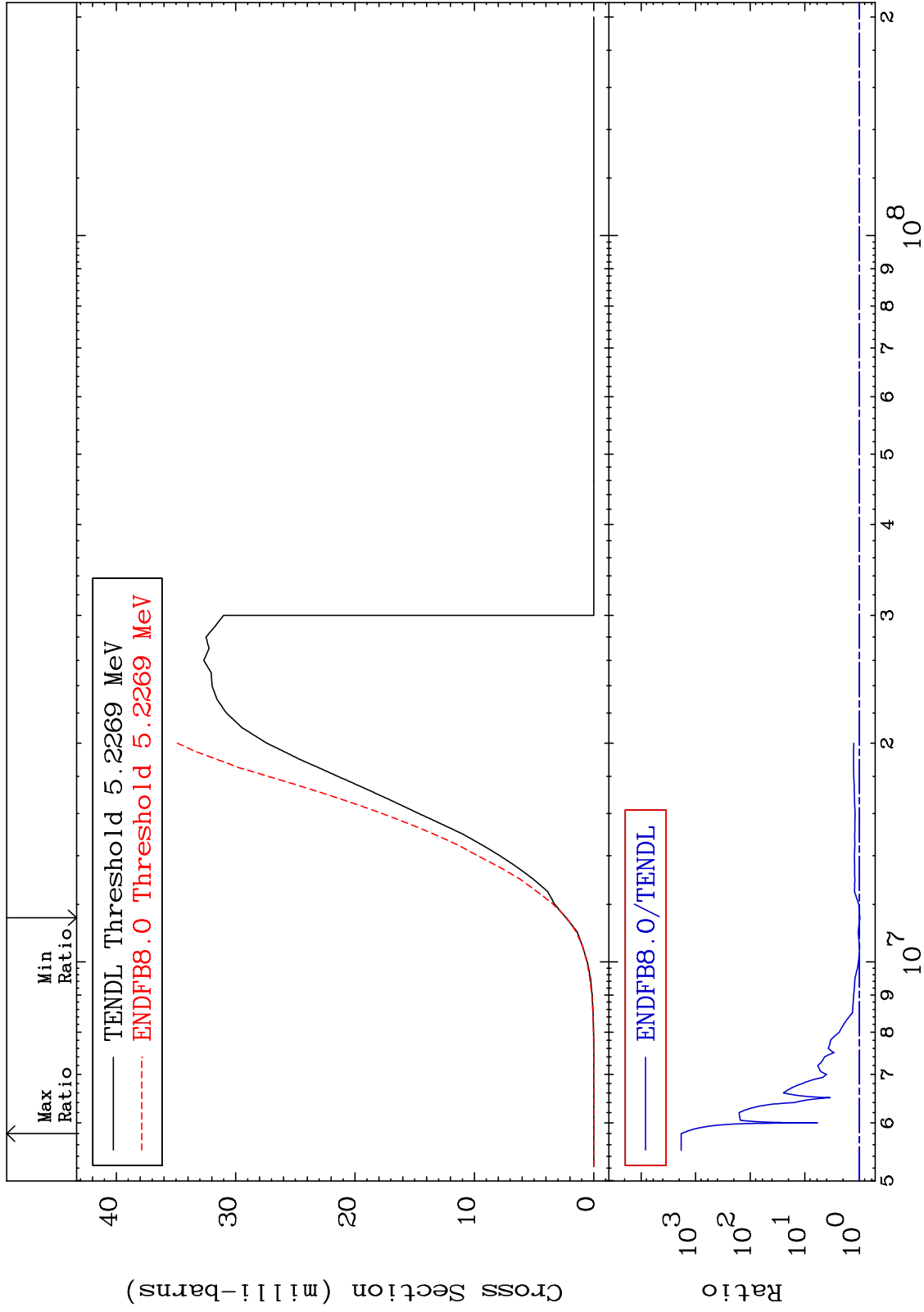
MAT 2725

(n, d)

27-Co-59

Cross Section

-1.859 To 9999. %



27-Co-59

Incident Energy (eV)

43

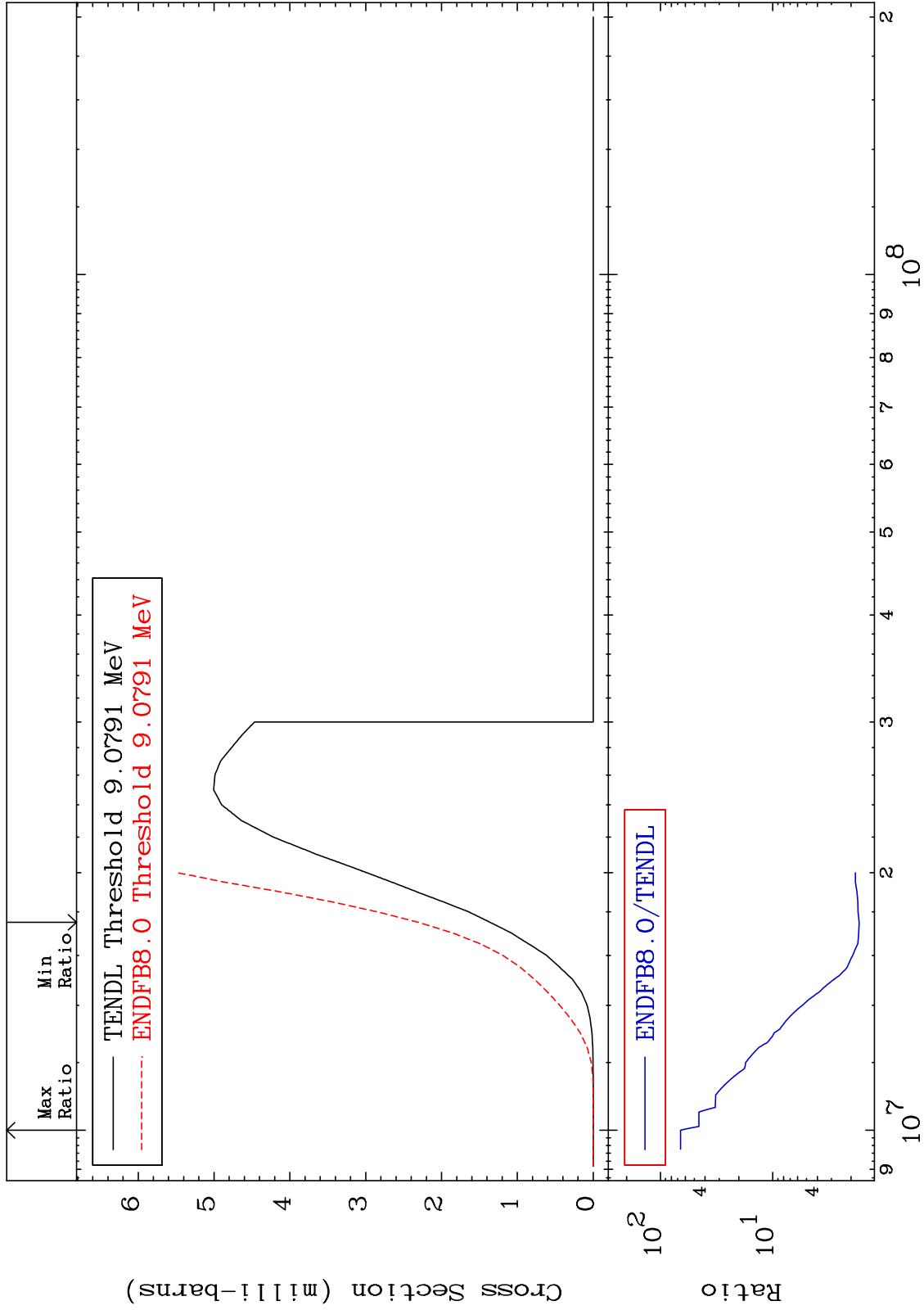
MAT 2725

(n, t)

27-Co-59

Cross Section

69.66 To 6508. %



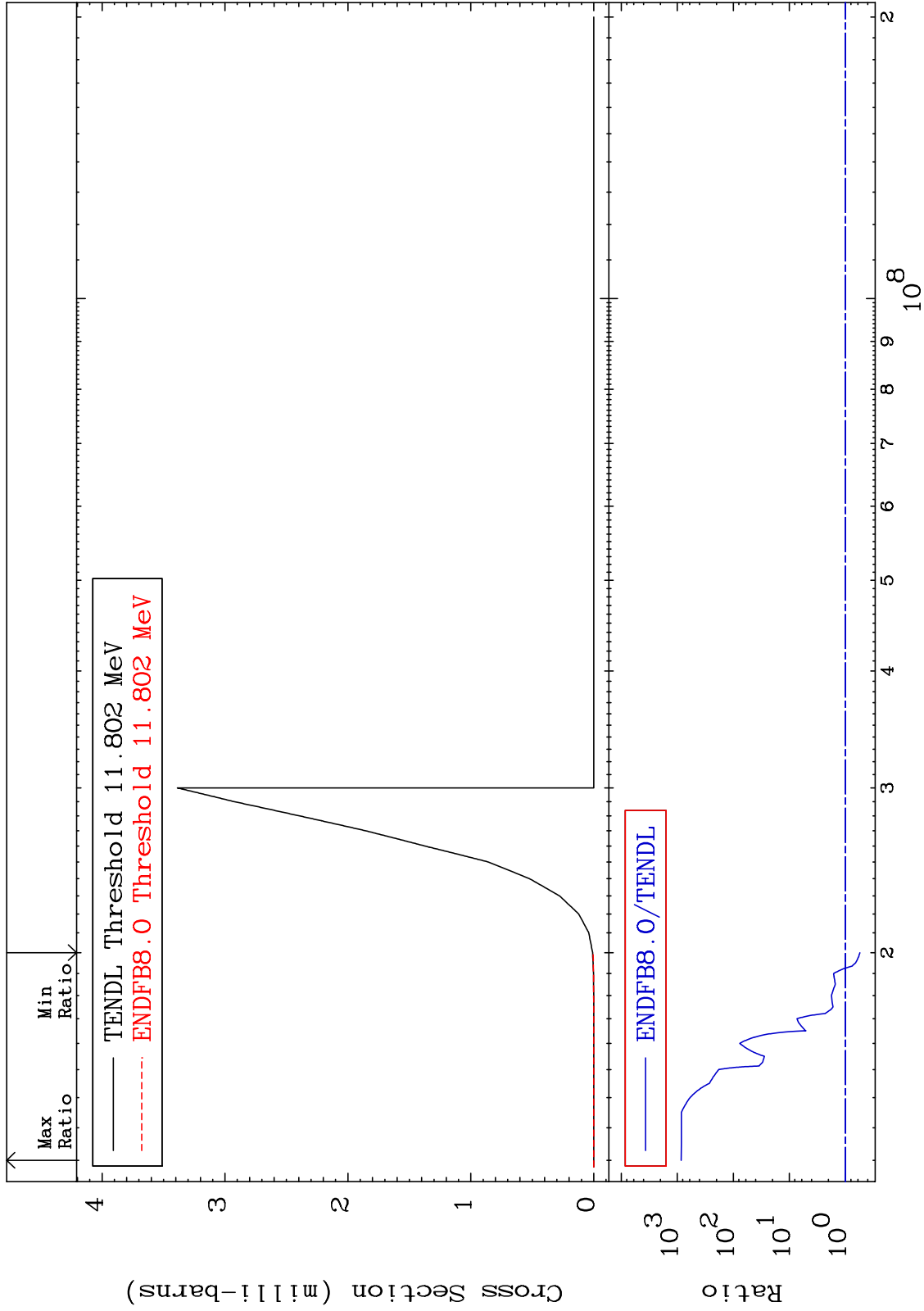
MAT 2725

(n, He-3)

27-Co-59

Cross Section

-44.98 To 9999. %



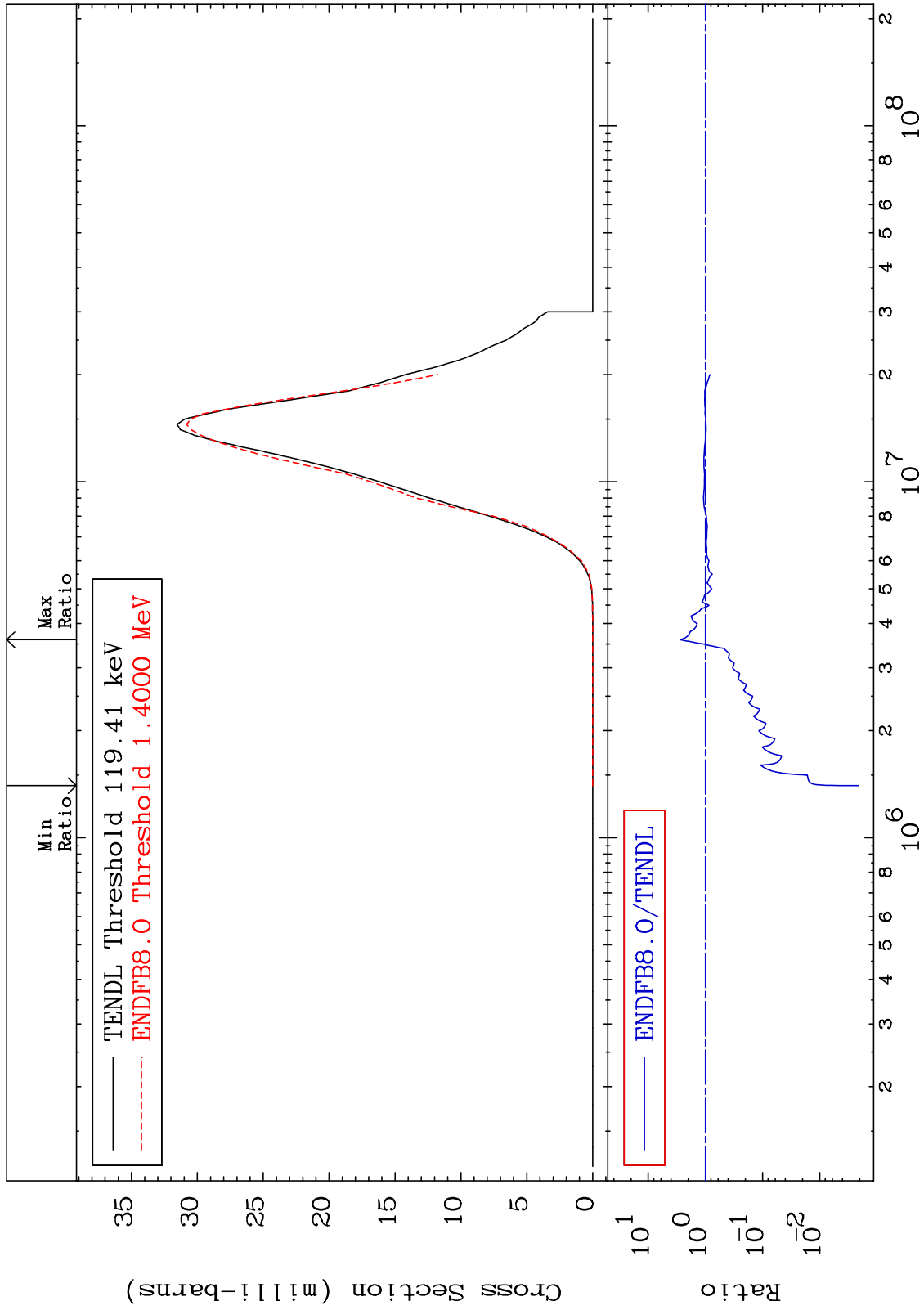
MAT 2725

(n,  $\alpha$ )

27-Co-59

Cross Section

-99.79 To 177.7 %



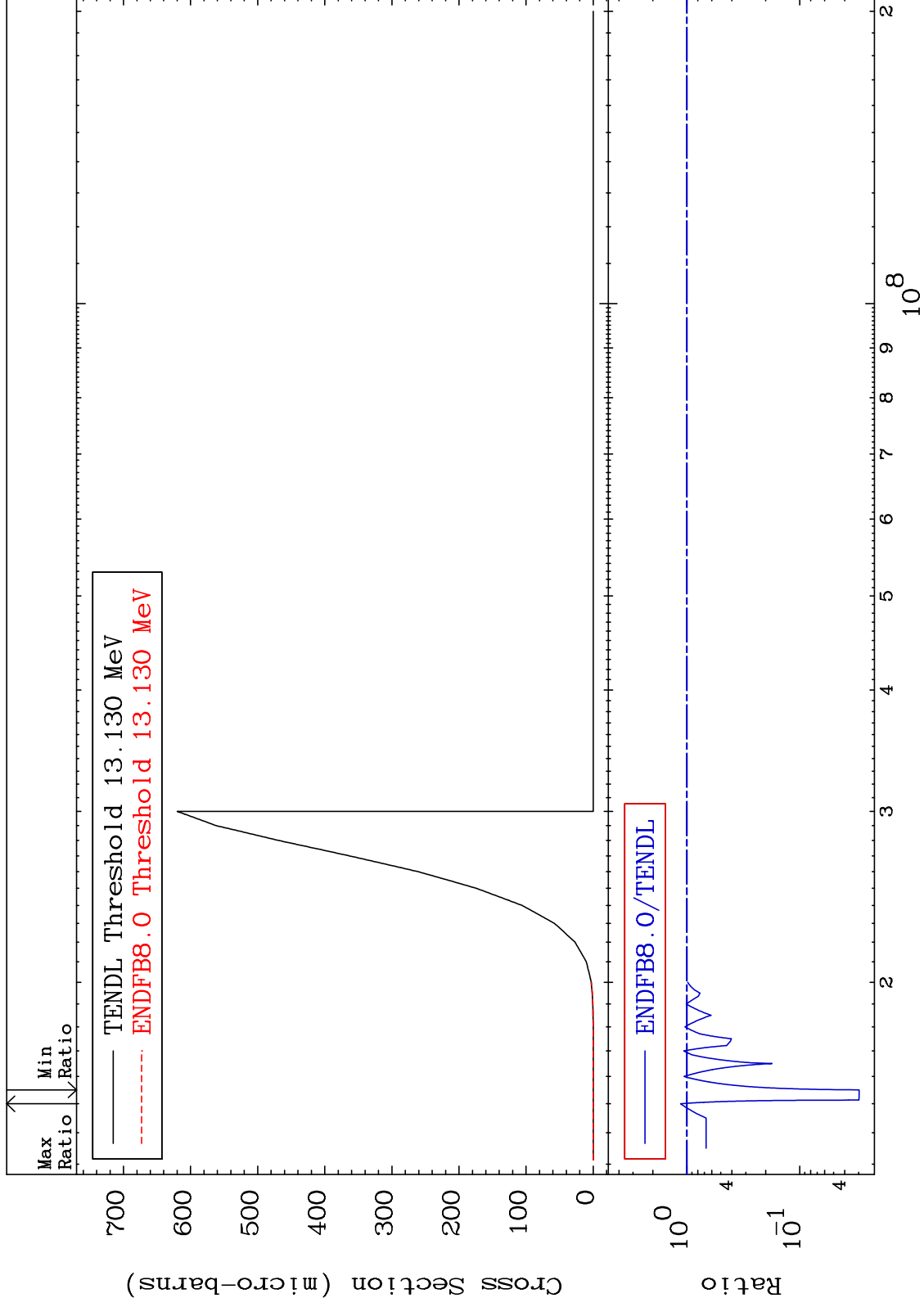
MAT 2725

(n,2p)

27-Co-59

Cross Section

-97.03 To 13.52 %





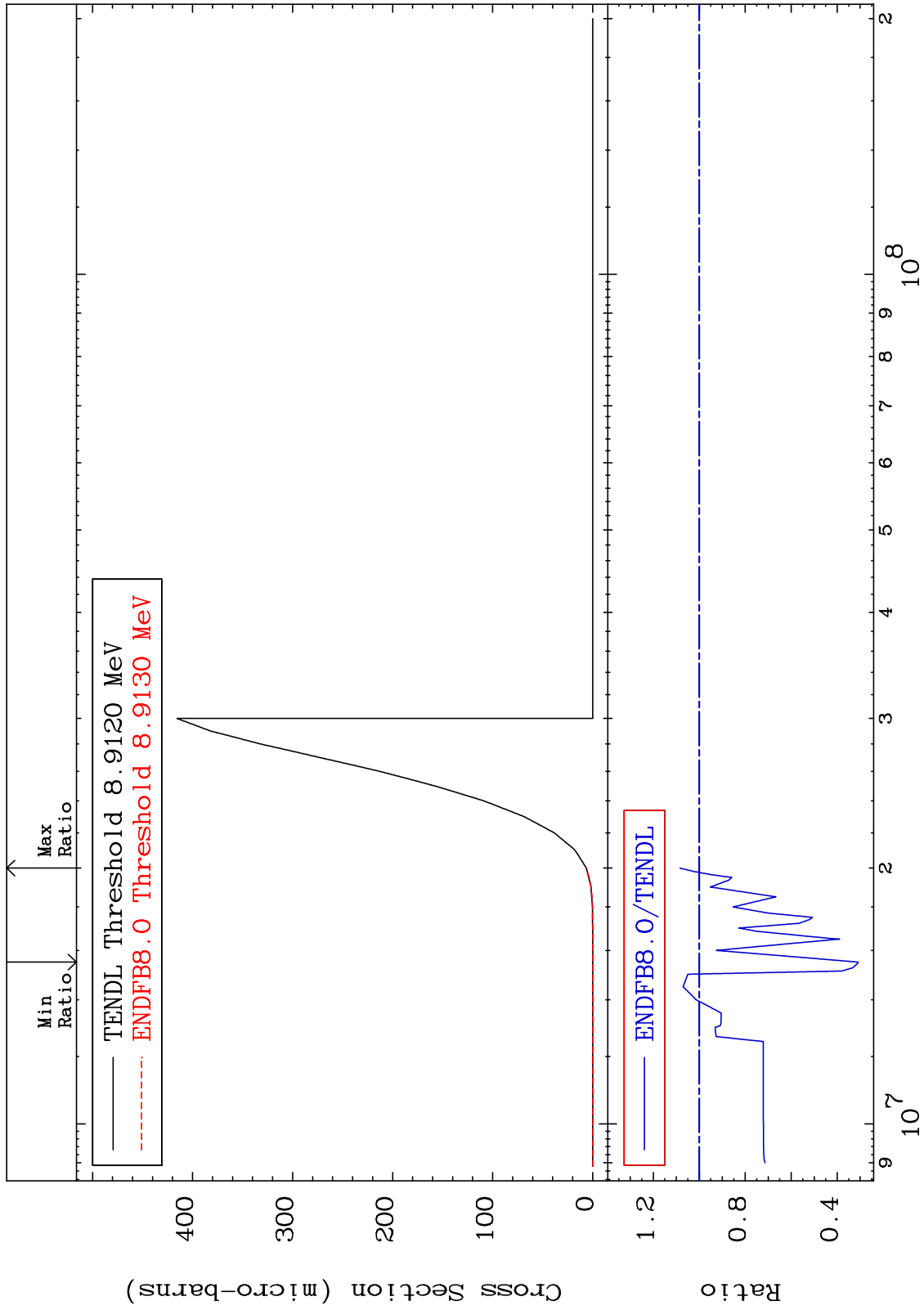
MAT 2725

(n,p)  $\alpha$

27-Co-59

Cross Section

-69.22 To 8.369 %



48

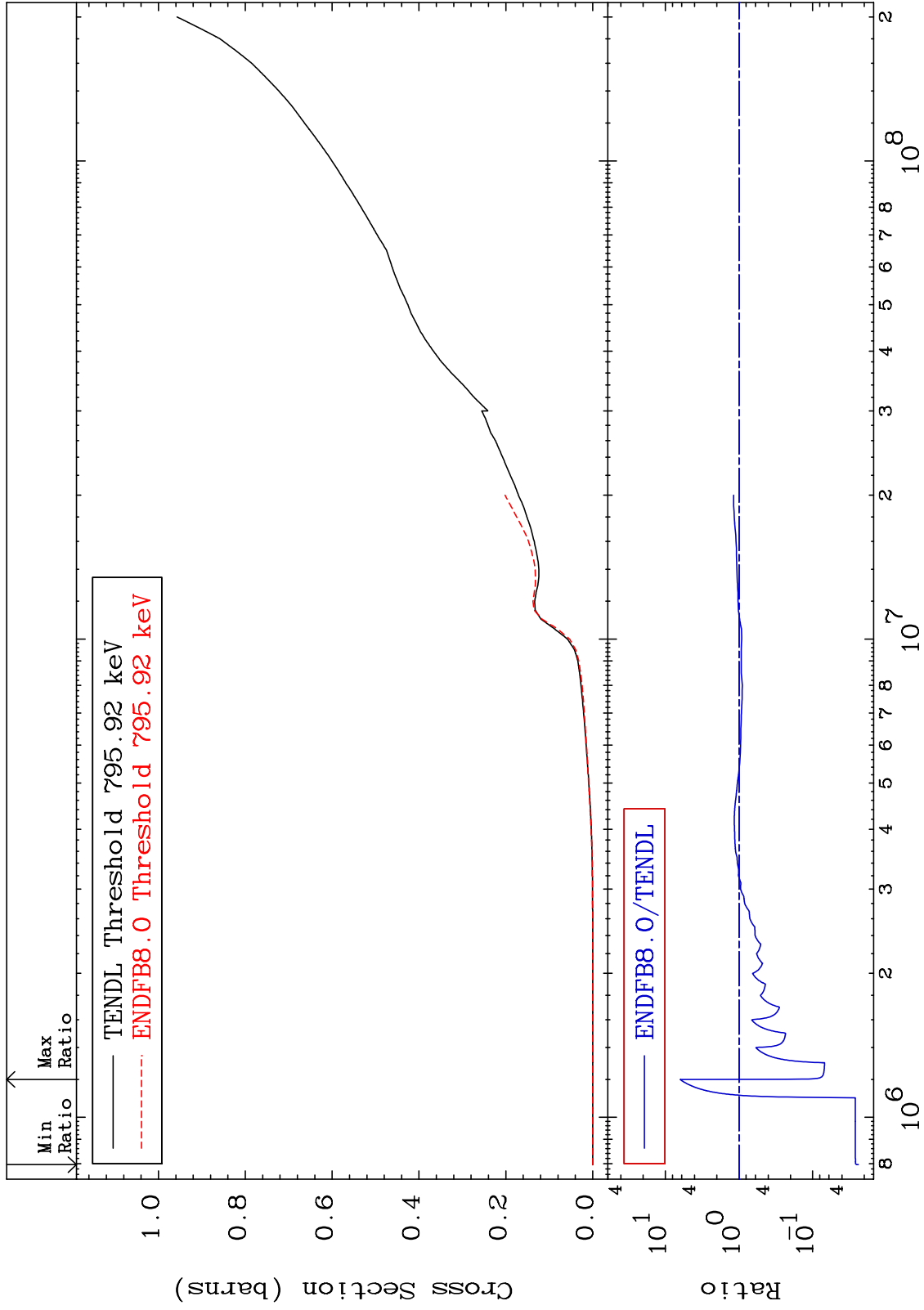
Incident Energy (eV)

27-Co-59

MAT 2725

Hydrogen Production  
Cross Section

<sup>27</sup>Co-59  
-97.61 To 531.1 %



49

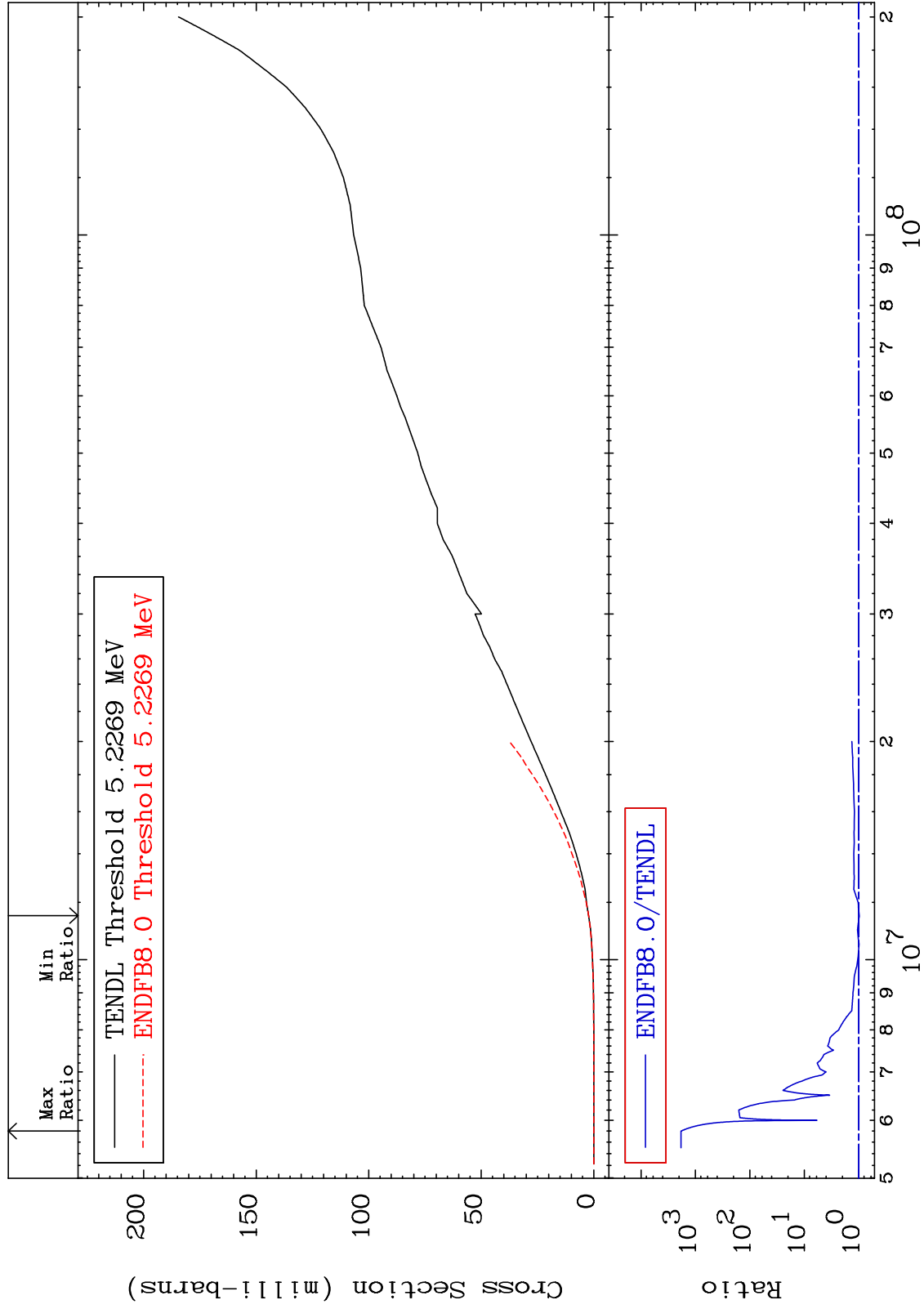
Incident Energy (eV)

<sup>27</sup>Co-59

MAT 2725

Deuterium Production  
Cross Section

27-Co-59  
-1.859 To 9999. %



50

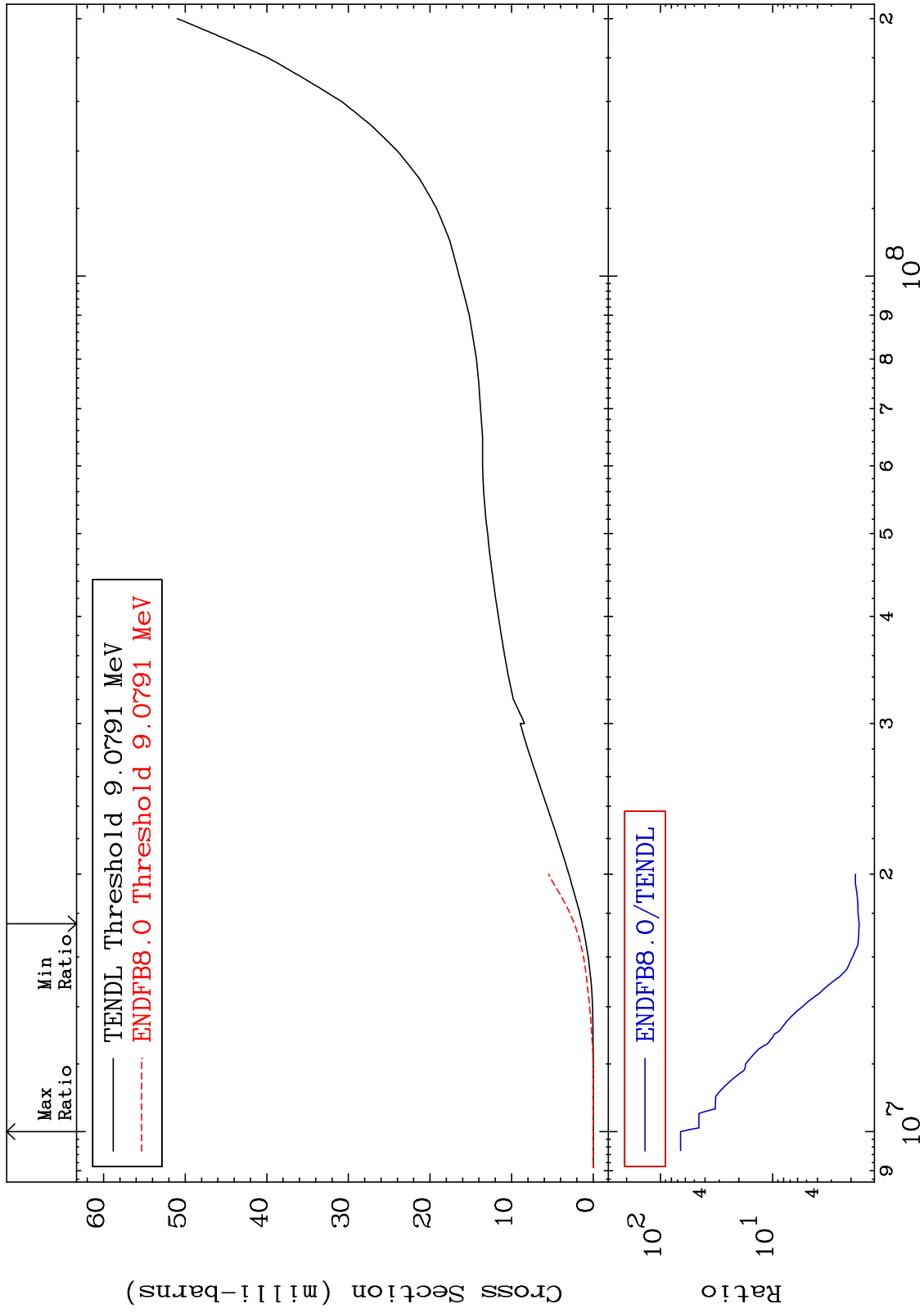
Incident Energy (eV)

27-Co-59

MAT 2725

Tritium Production  
Cross Section

27-Co-59  
69.66 To 6508. %



51

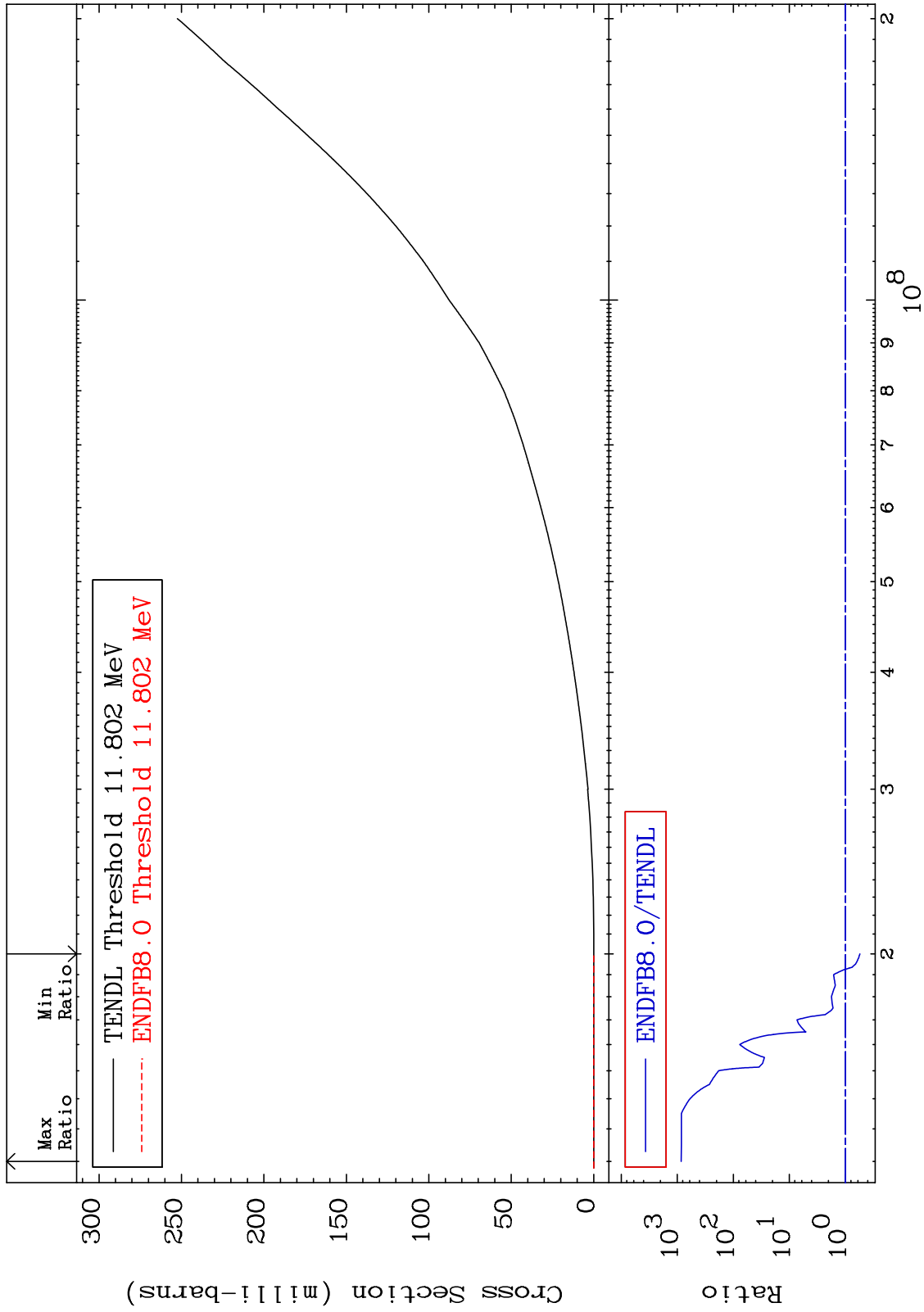
Incident Energy (eV)

27-Co-59

MAT 2725

He-3 Production  
Cross Section

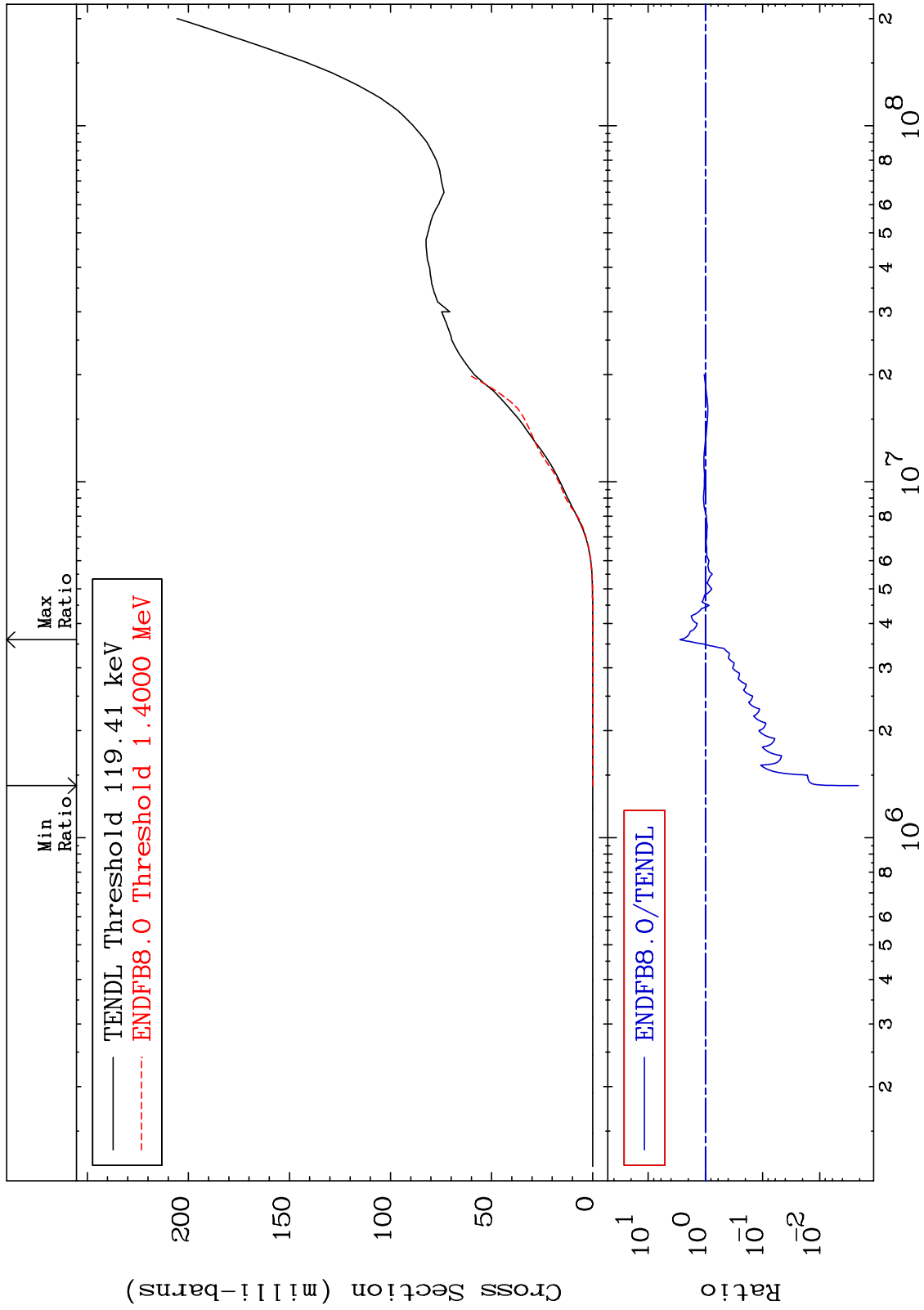
27-Co-59  
-44.98 To 9999. %



MAT 2725

He-4 Production  
Cross Section

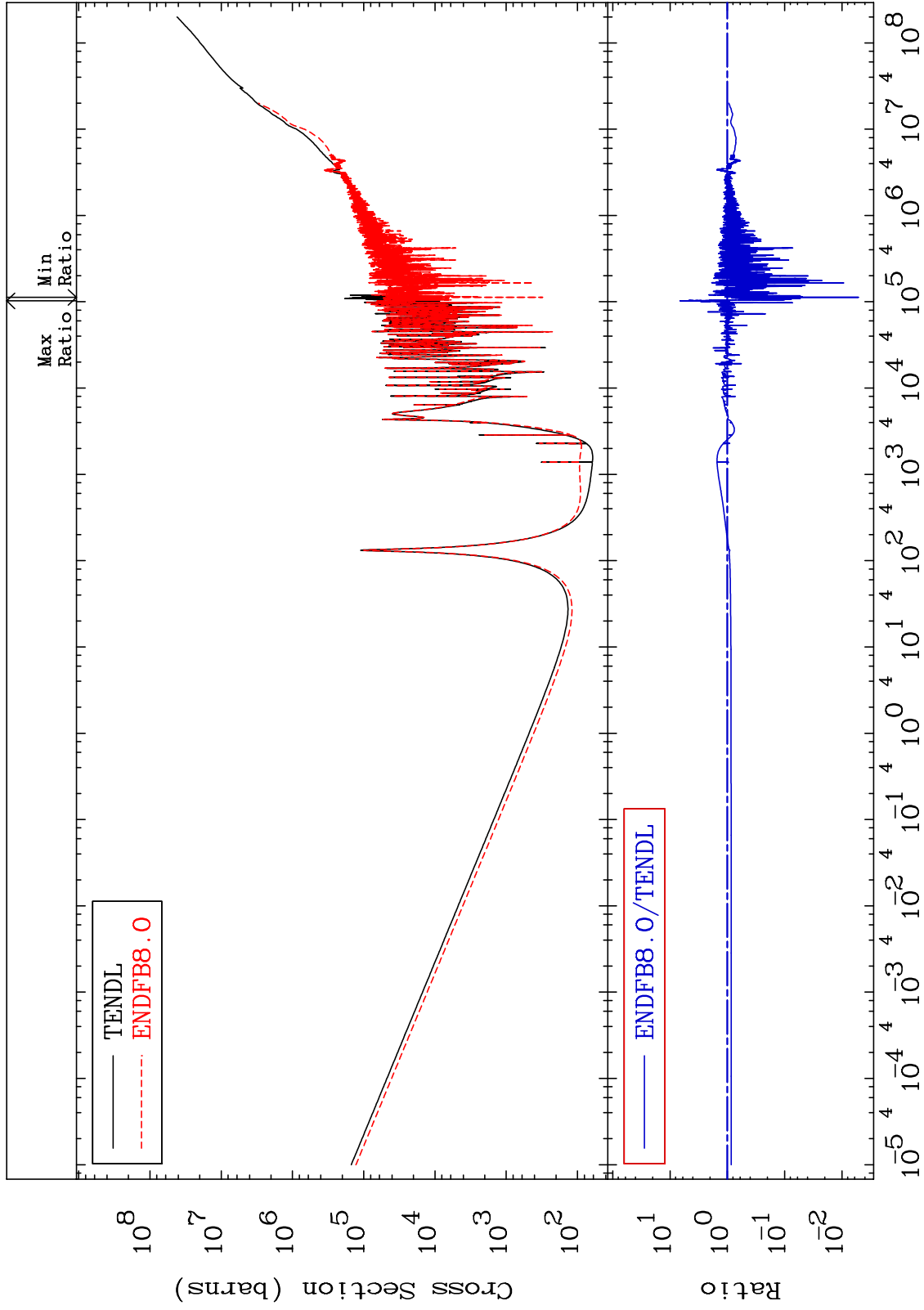
<sup>27</sup>-Co-59  
-99.79 To 177.7 %



MAT 2725

Kerma total (eV-barns)  
Cross Section

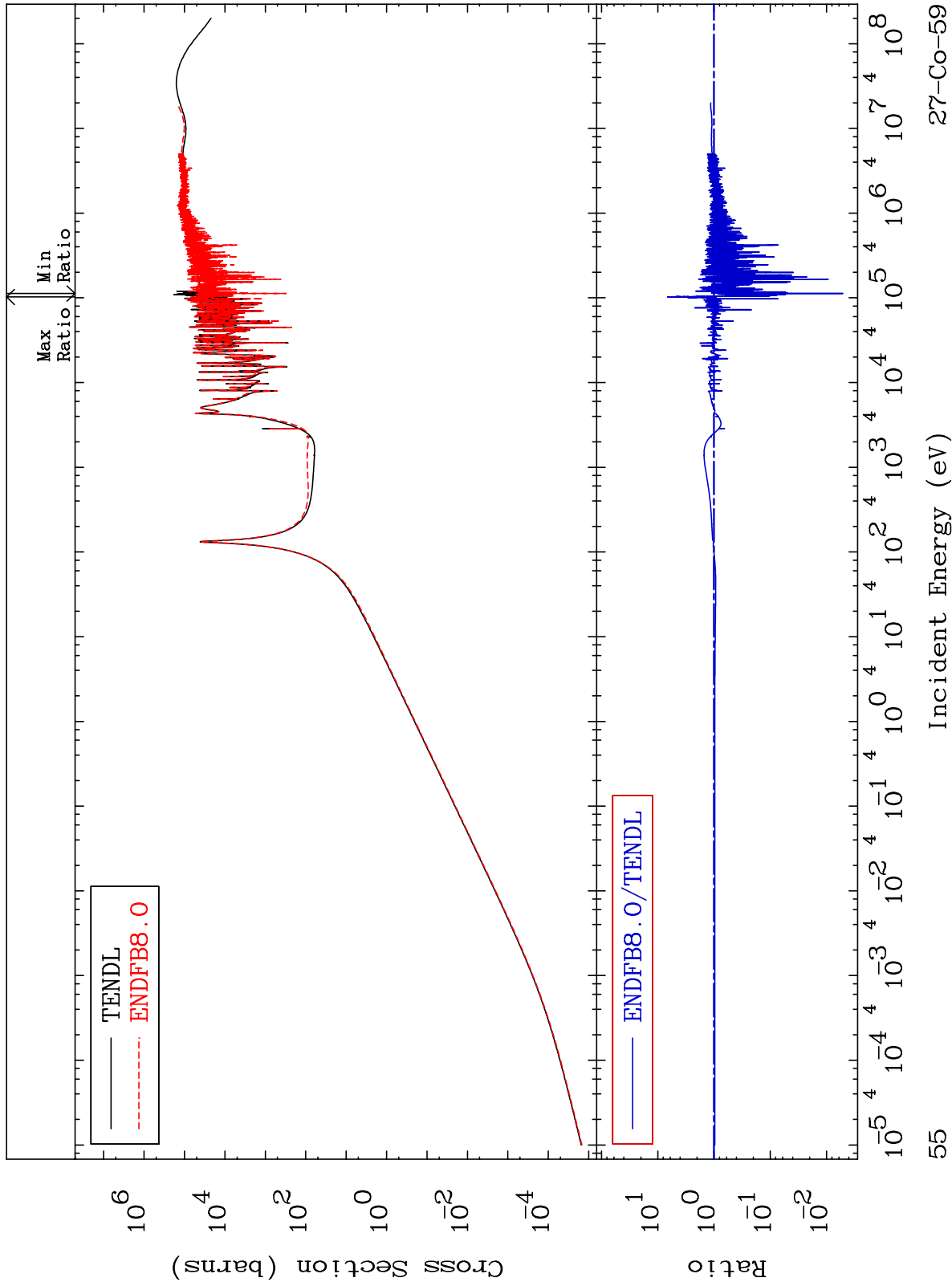
27-Co-59  
-99.48 To 569.9 %



MAT 2725

Kerma elastic  
Cross Section

27-Co-59  
-99.48 To 569.9 %



55

Incident Energy (eV)

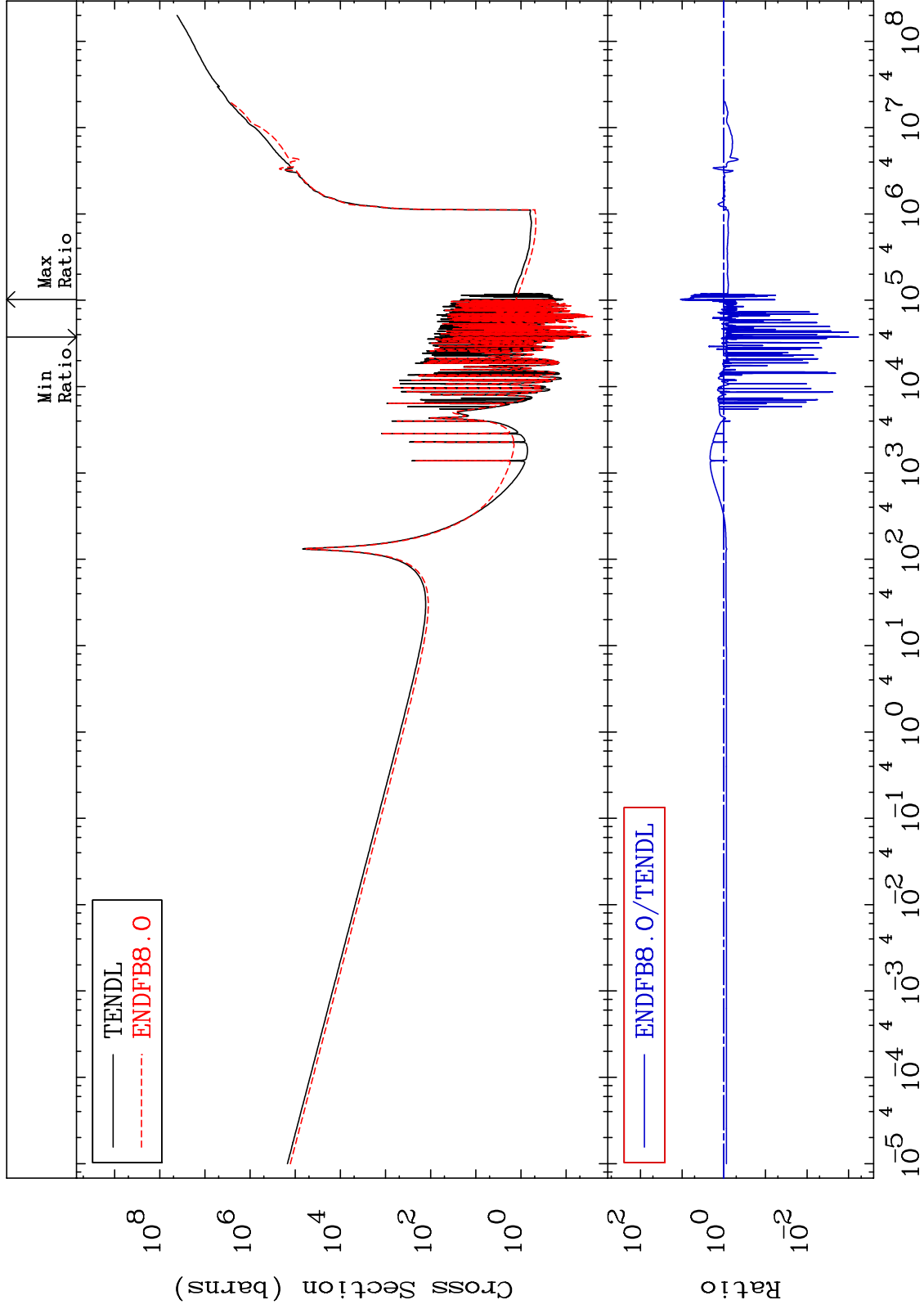
27-Co-59



MAT 2725

Kerma non-elastic (all but mt2)  
Cross Section

27-Co-59  
-99.94 To 1021. %



56

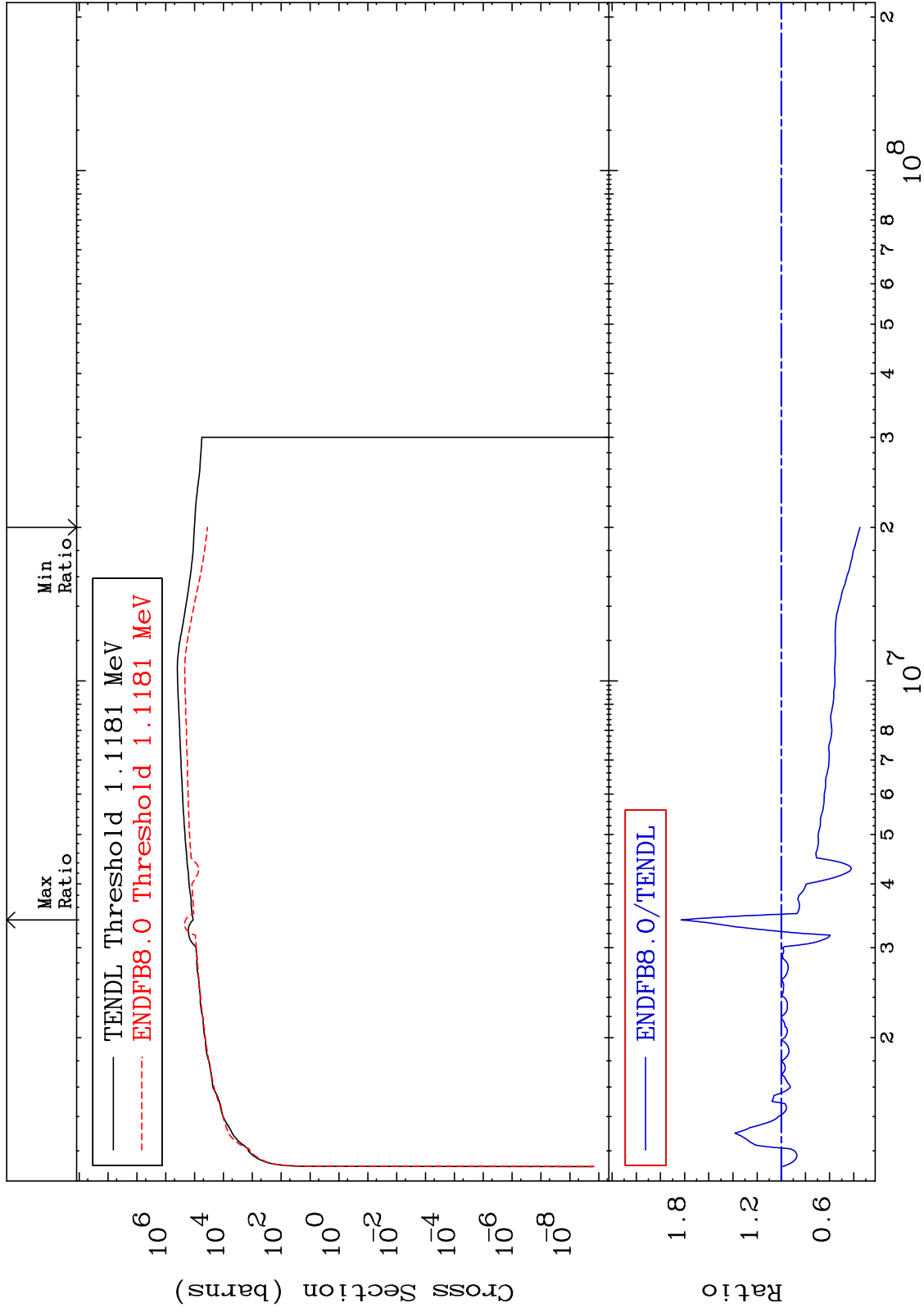
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma inelastic (mt51-91)  
Cross Section

27-Co-59  
-65.12 To 82.80 %



57

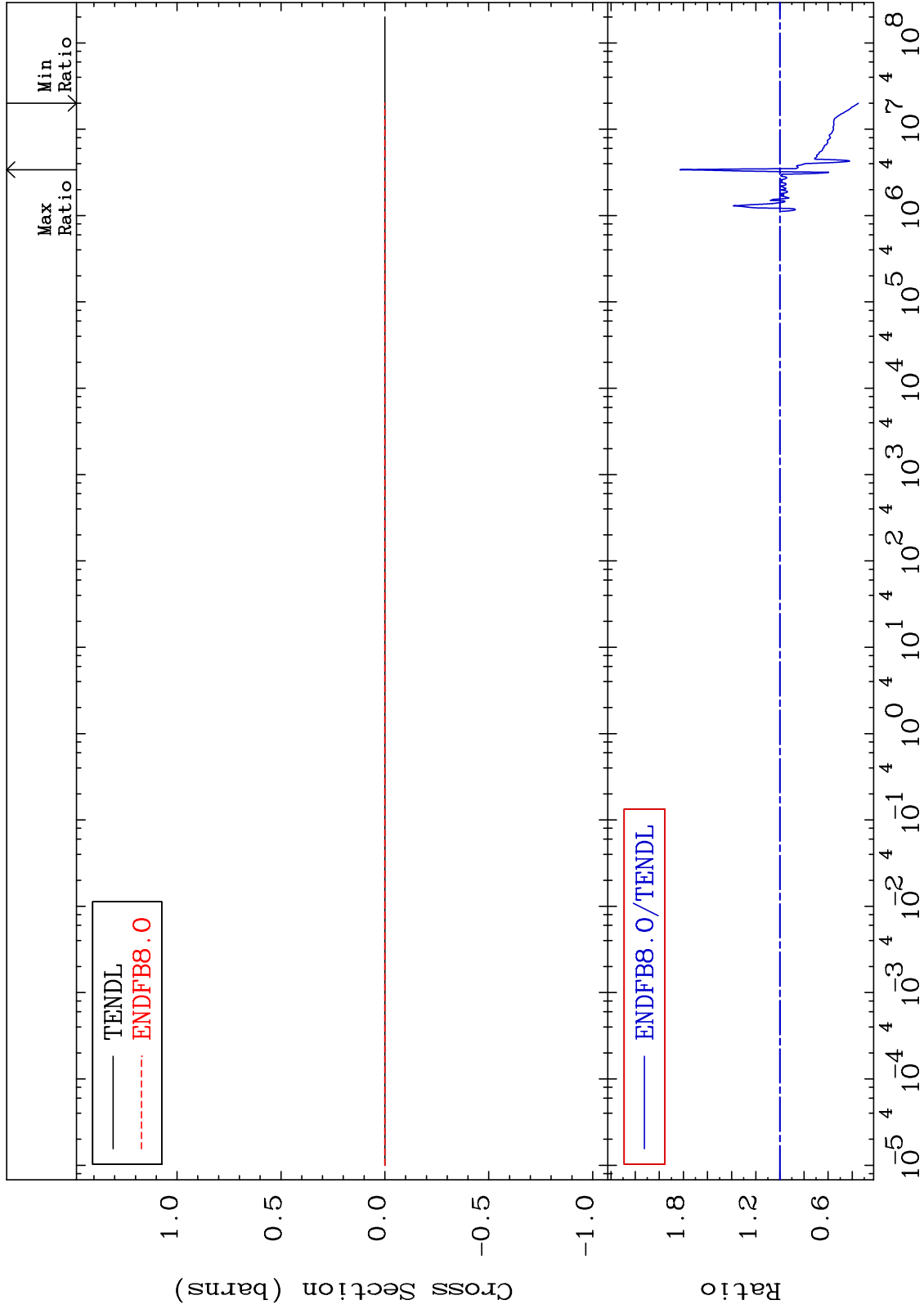
Incident Energy (eV)

27-Co-59

MAT 2725

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

27-Co-59  
-65.12 To 82.80 %



58

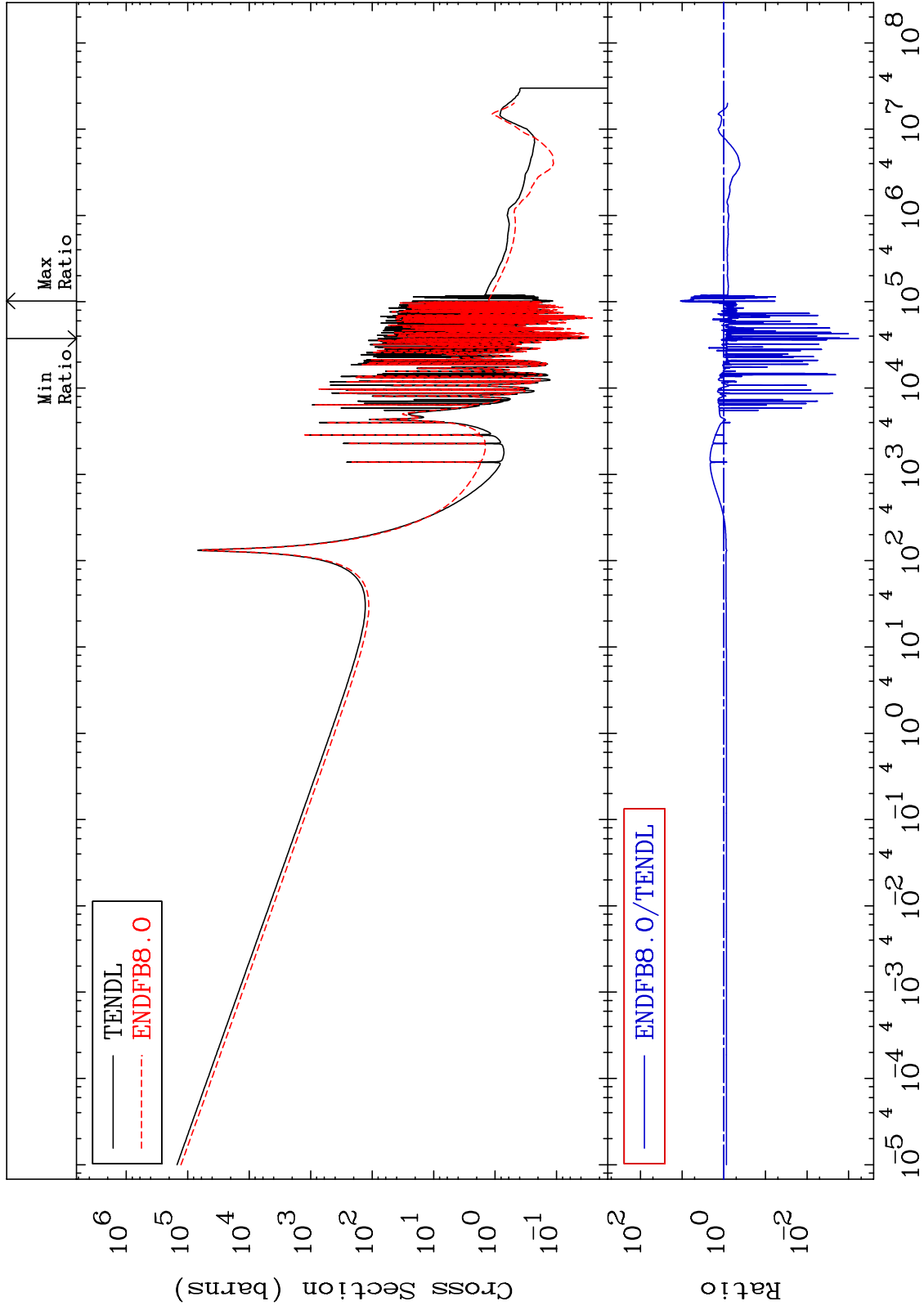
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma capture (mt102)  
Cross Section

27-Co-59  
-99.94 To 1021. %



59

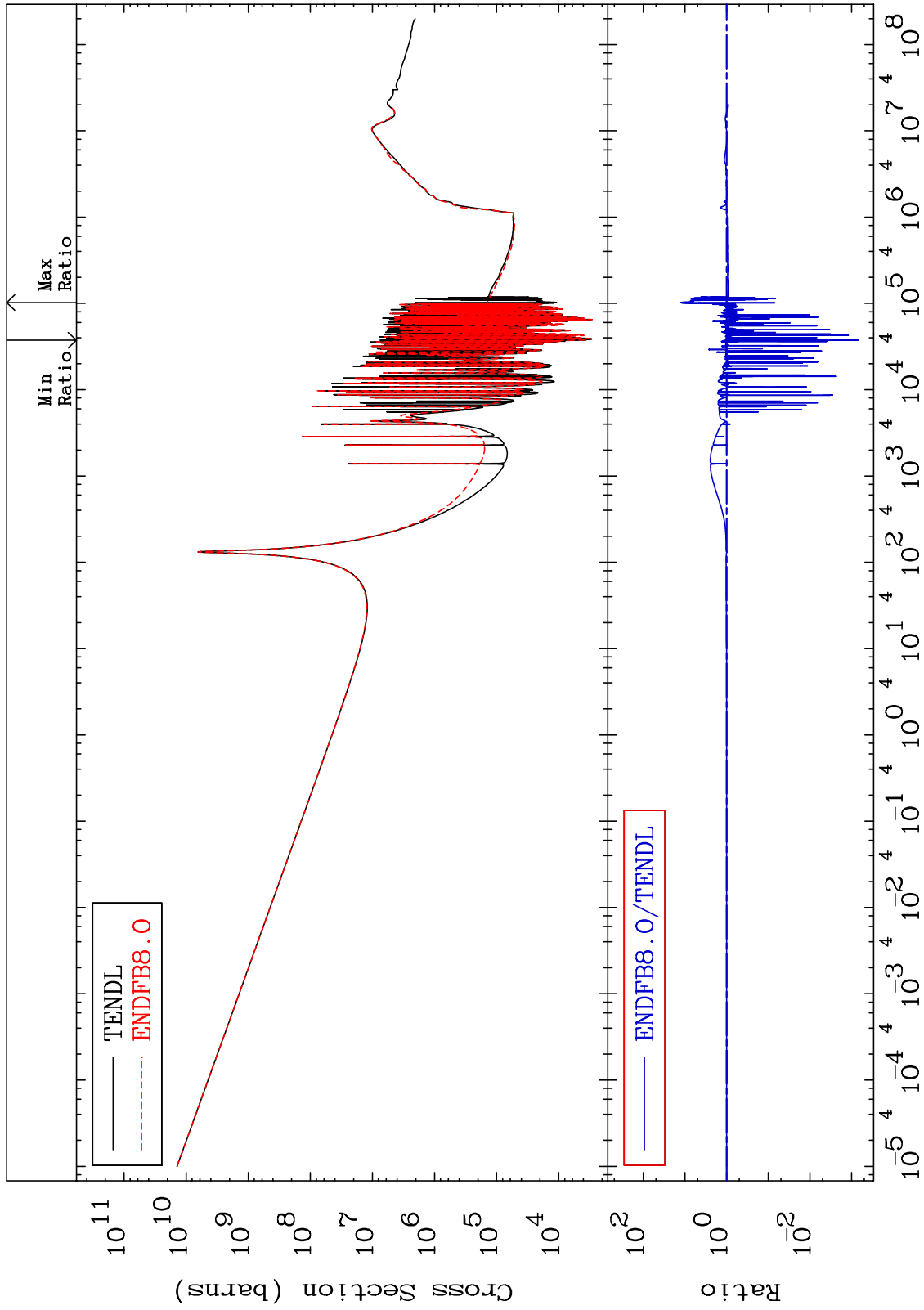
Incident Energy (eV)

27-Co-59

MAT 2725

Total photon (eV-barns)  
Cross Section

27-Co-59  
-99.93 To 1217. %



60

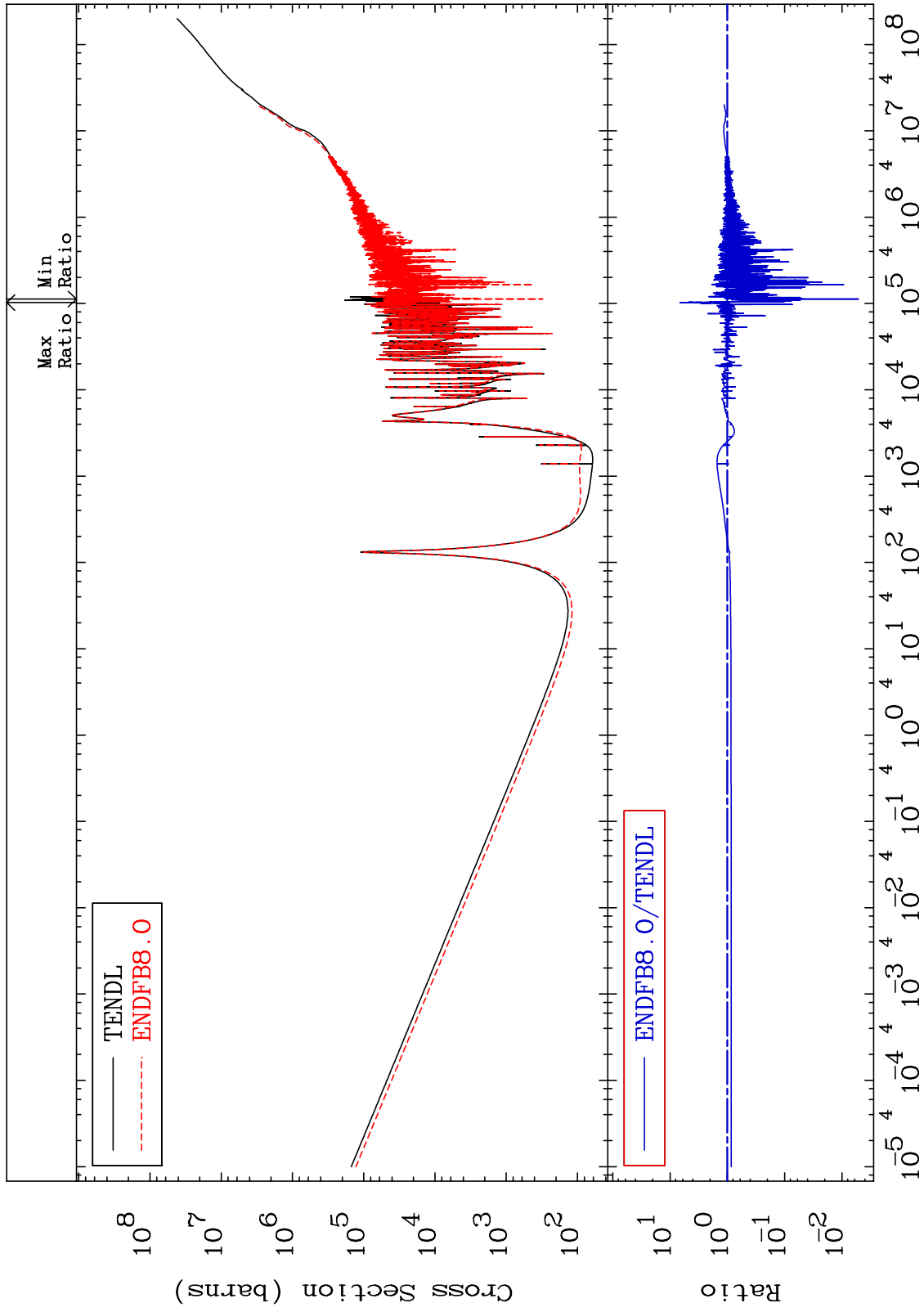
Incident Energy (eV)

27-Co-59

MAT 2725

Total kinematic kerma (high limit)  
Cross Section

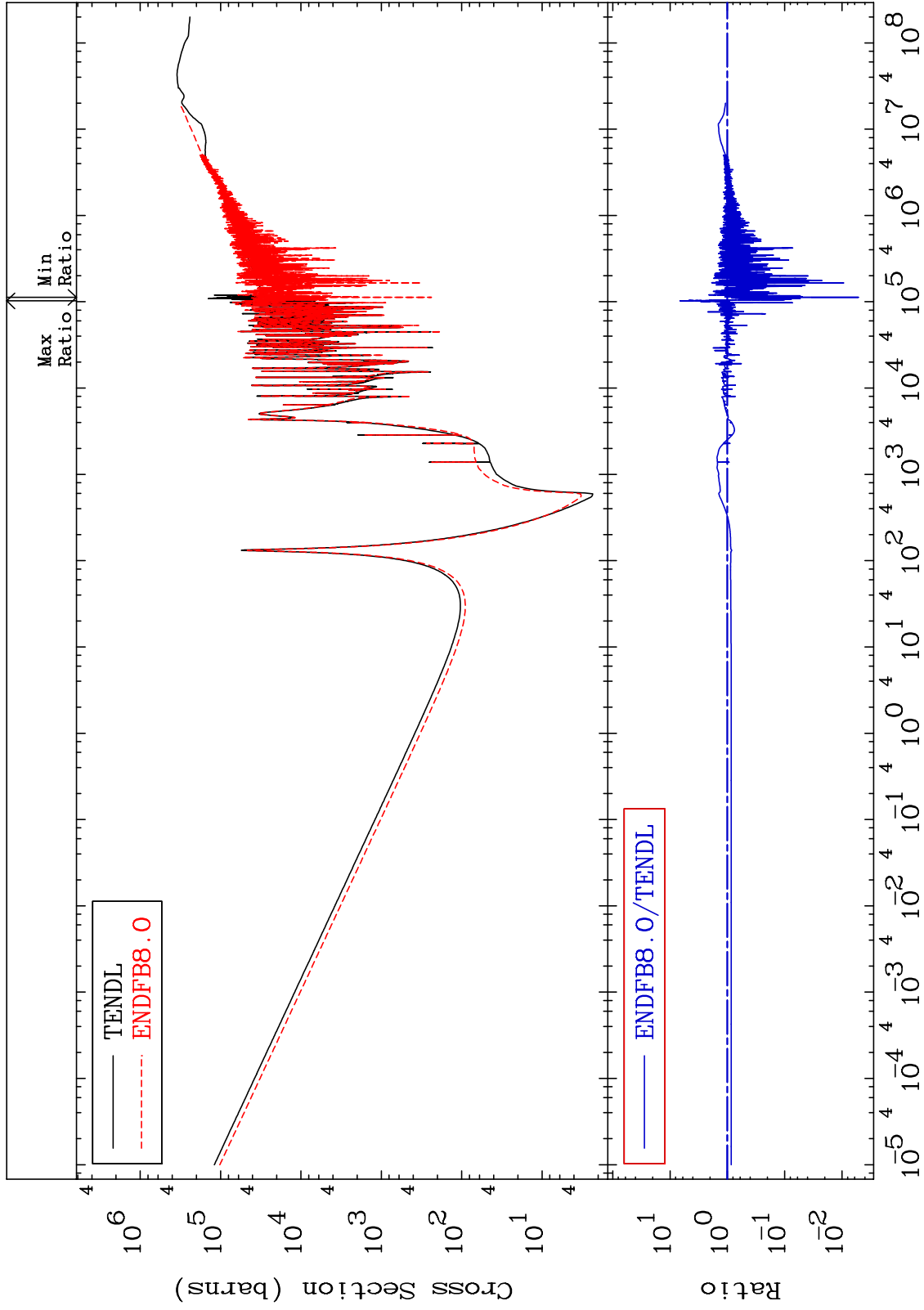
27-Co-59  
-99.48 To 569.9 %



MAT 2725

Dpa total (eV-barns)  
Cross Section

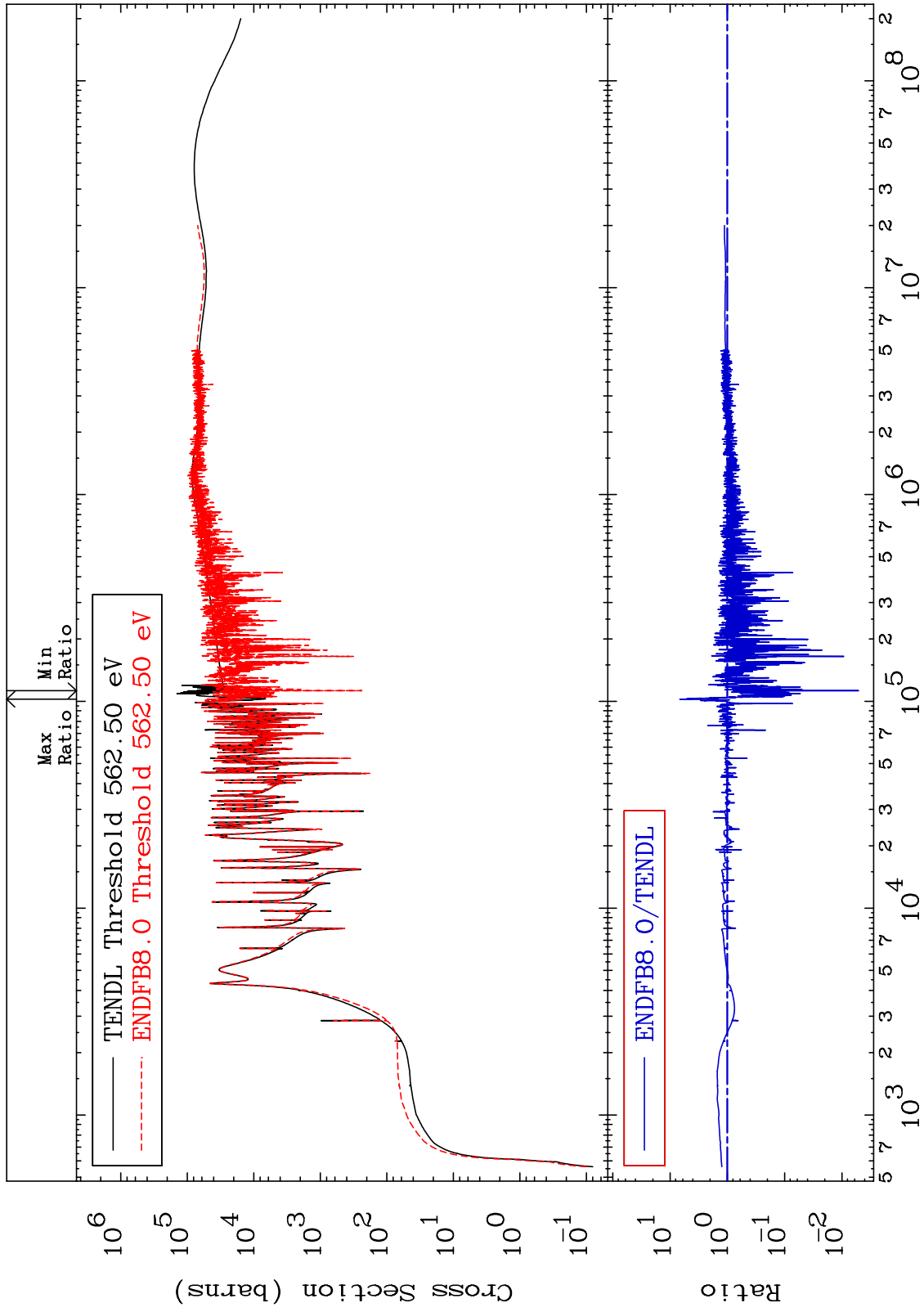
27-Co-59  
-99.48 To 569.8 %



MAT 2725

Dpa elastic (mt2)  
Cross Section

27-Co-59  
-99.48 To 569.8 %



63

27-Co-59

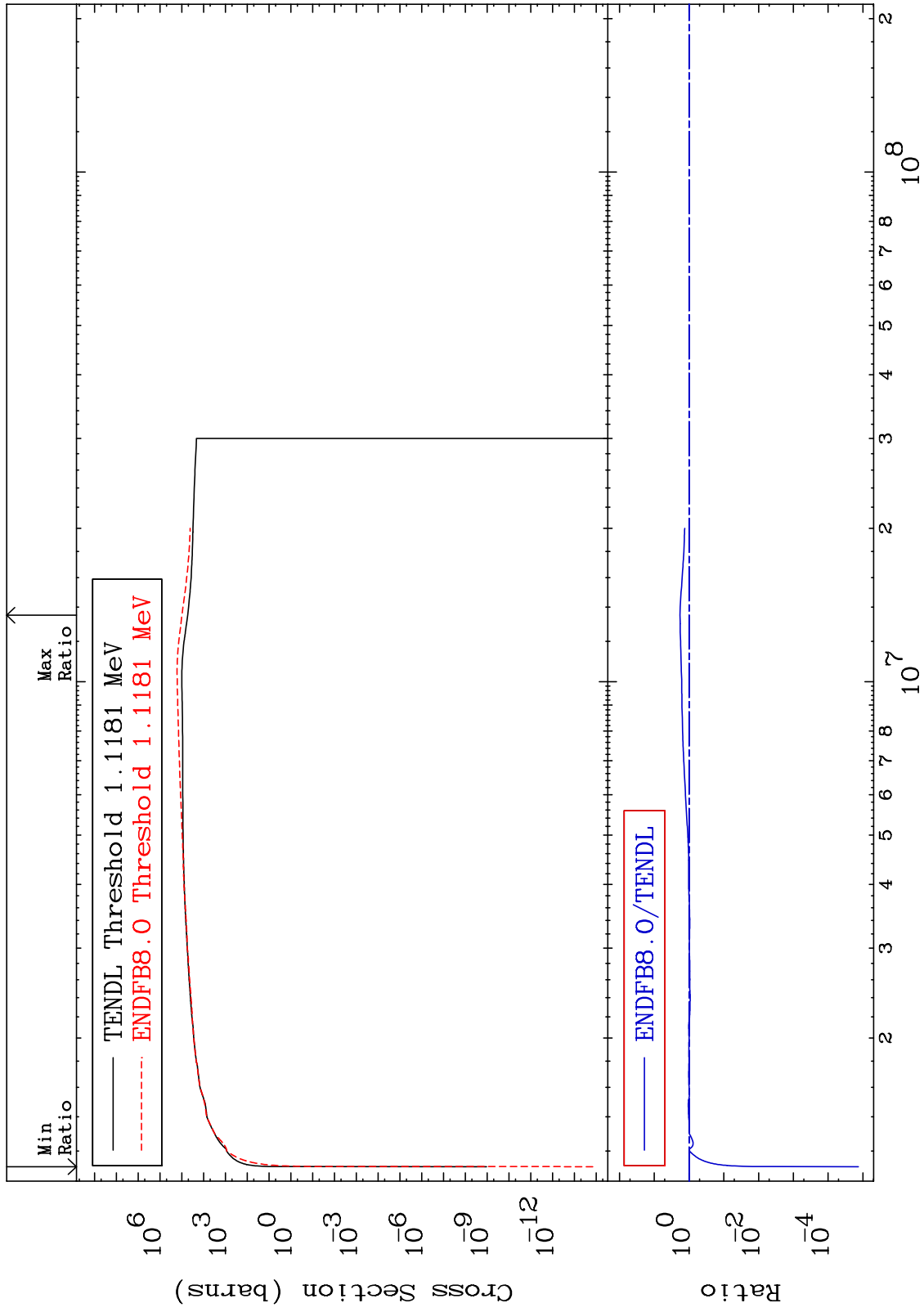
27-Co-59



MAT 2725

Dpa inelastic (mt51-91)  
Cross Section

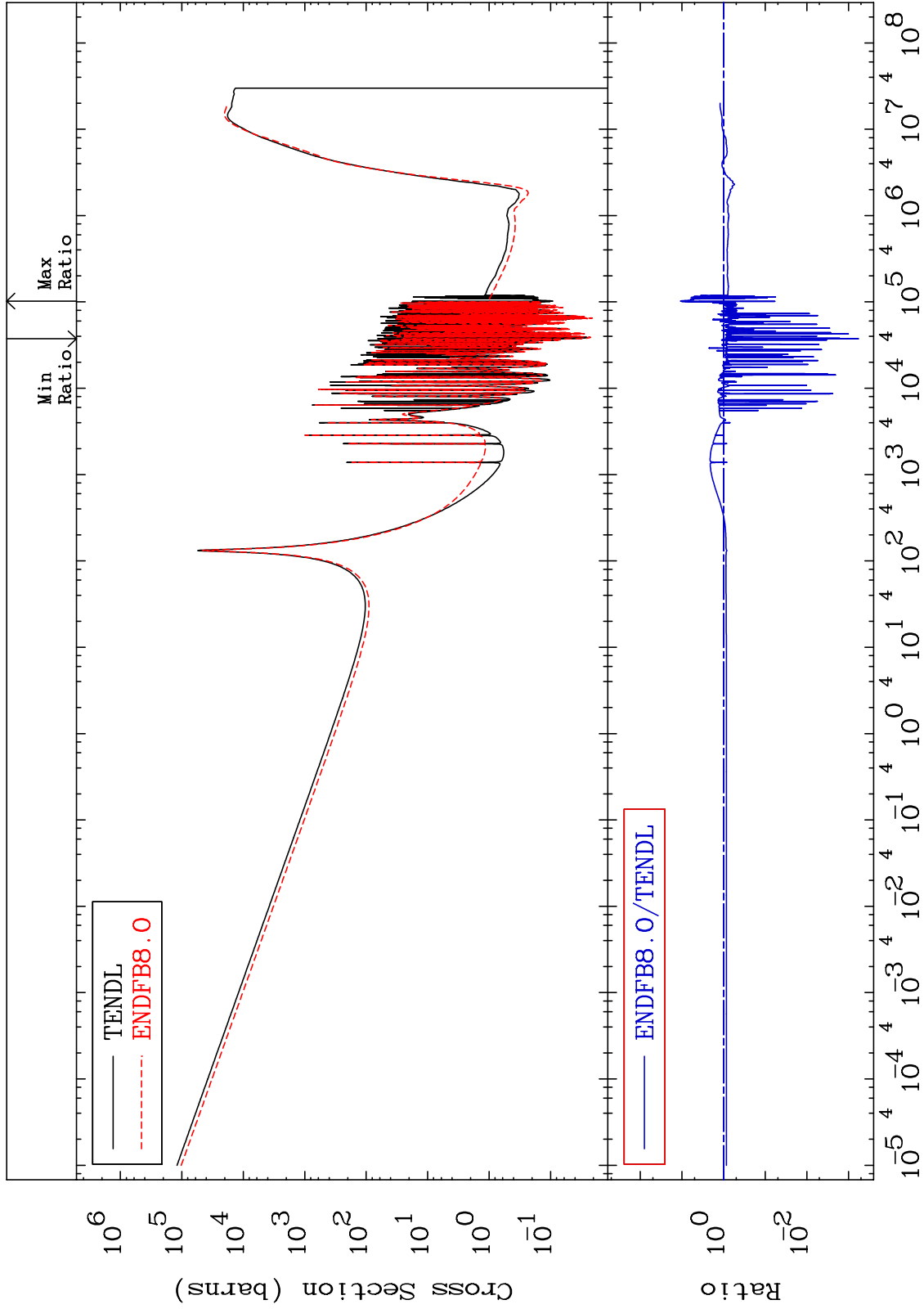
27-Co-59  
-100.0 To 82.11 %



MAT 2725

Dpa disappearance (mt102 -120)  
Cross Section

27-Co-59  
-99.94 To 1015. %



65

Incident Energy (eV)

27-Co-59