

Program Complot  
(Version 2018-1)

by

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

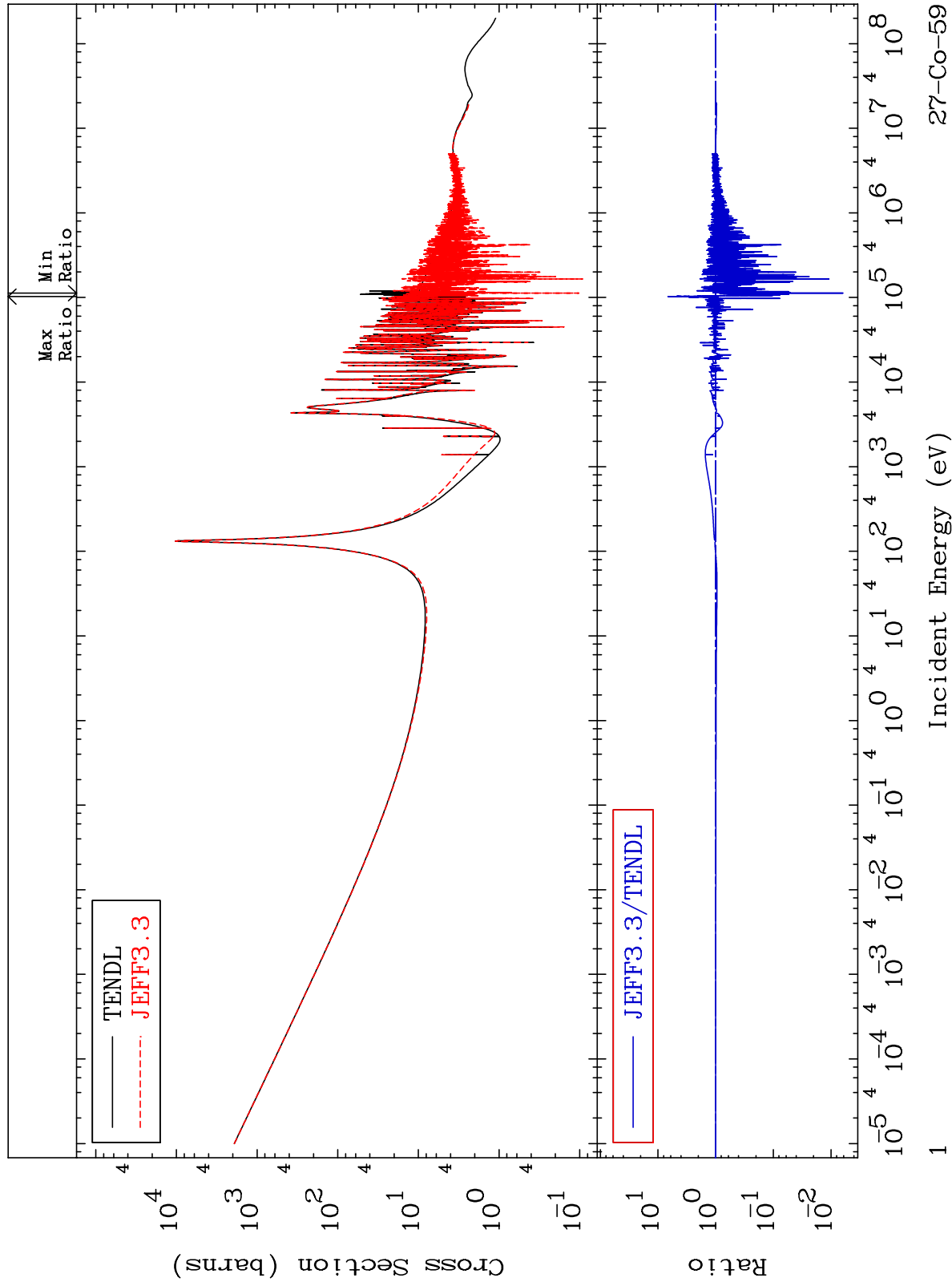
MAT 2725

Total

Cross Section

27-Co-59

-99.38 To 569.9 %



Incident Energy (eV)

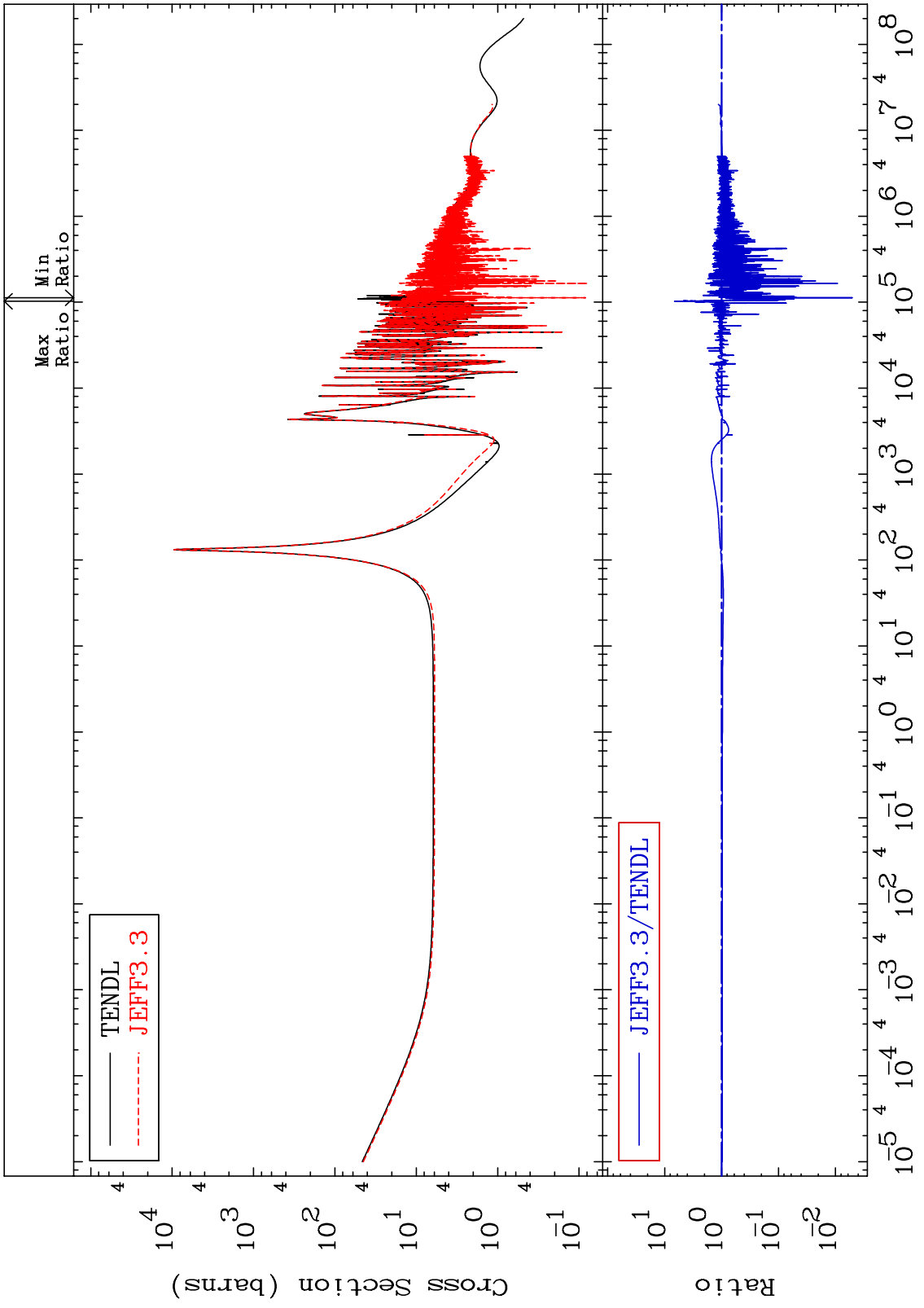
27-Co-59

1

MAT 2725

Elastic  
Cross Section

27-Co-59  
-99.49 To 569.6 %



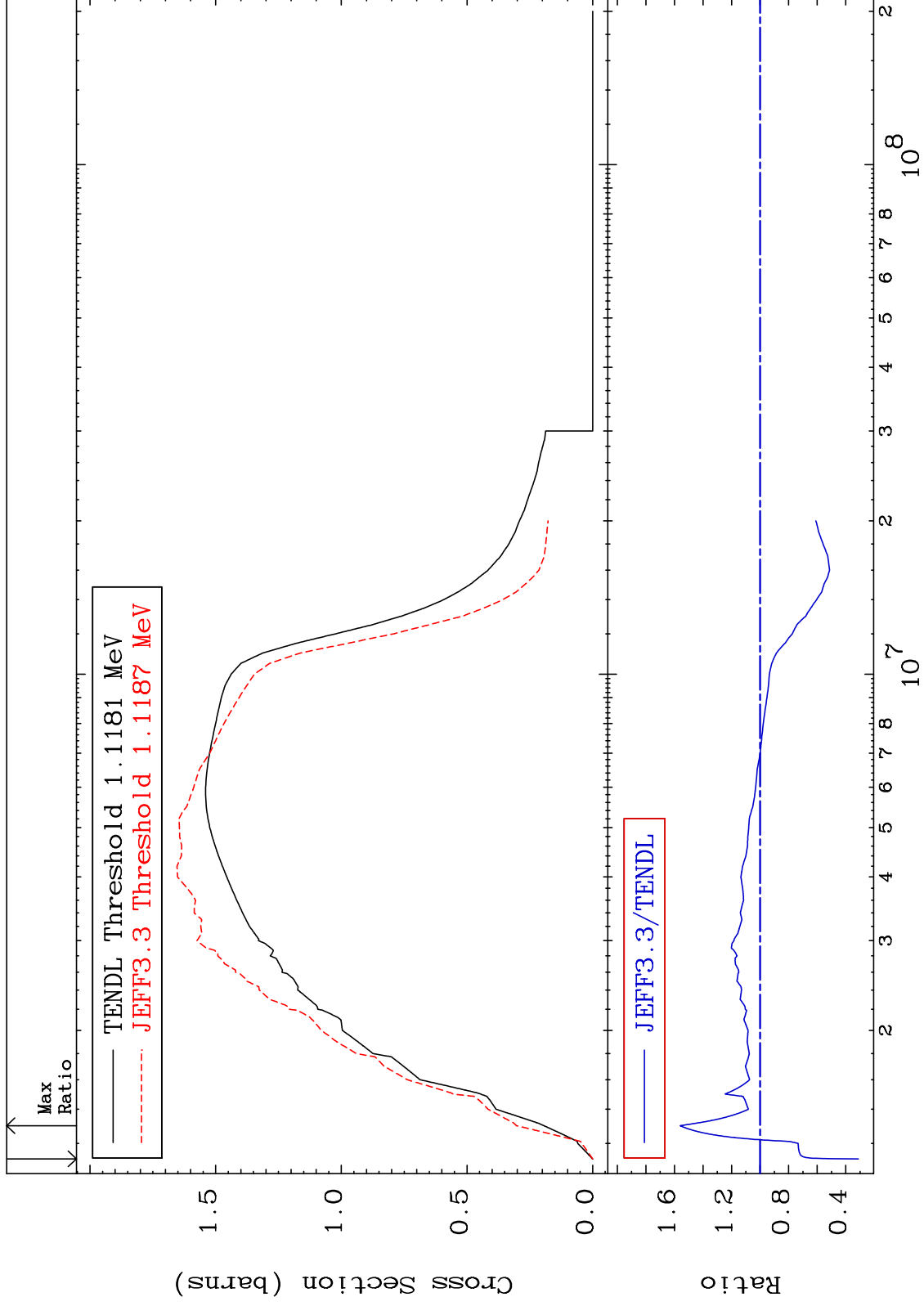
MAT 2725

Inelastic

<sup>27</sup>Co-59

Cross Section

-68.84 To 56.07 %



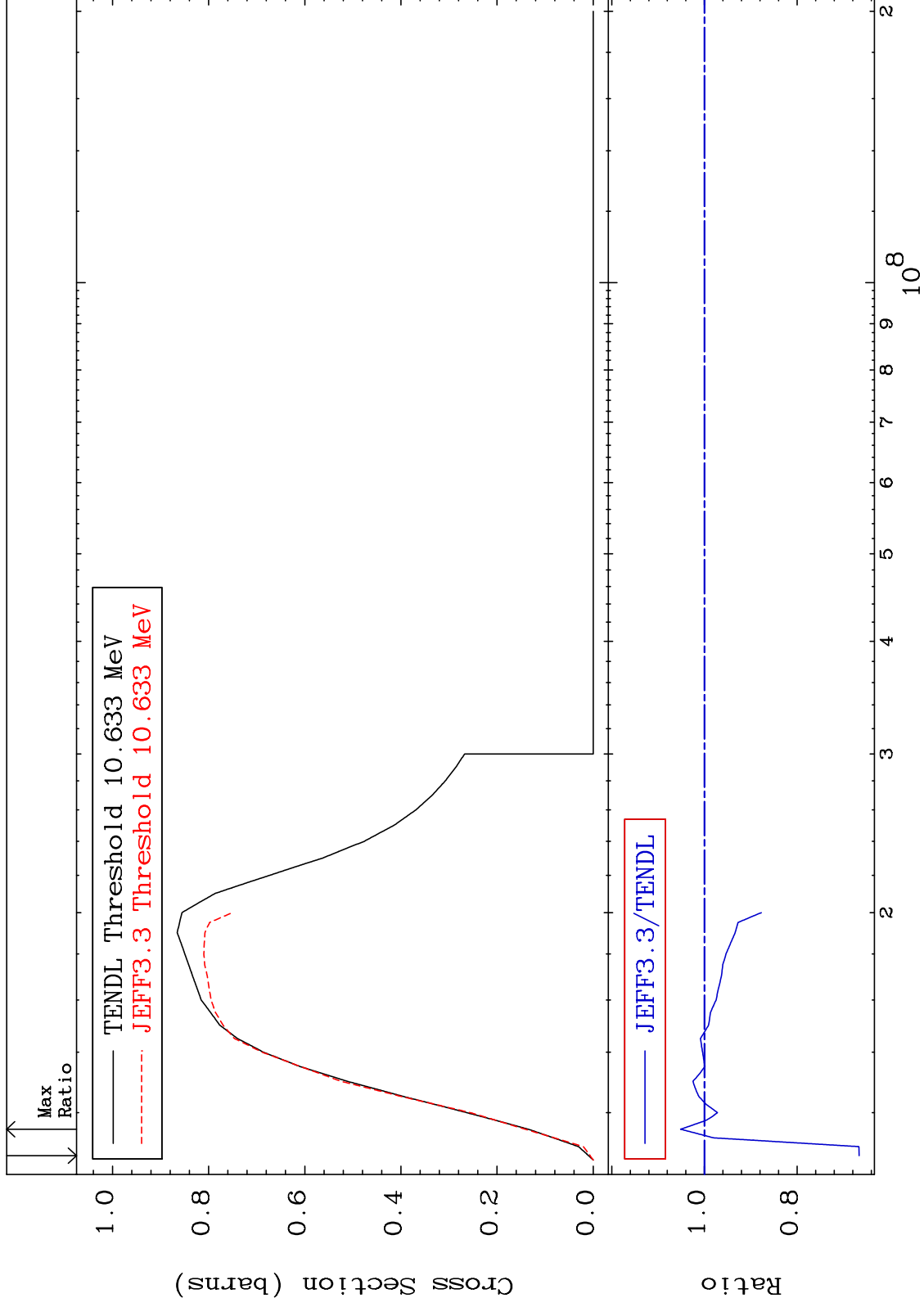
MAT 2725

(n,2n)

27-Co-59

Cross Section

-33.39 To 5.134 %



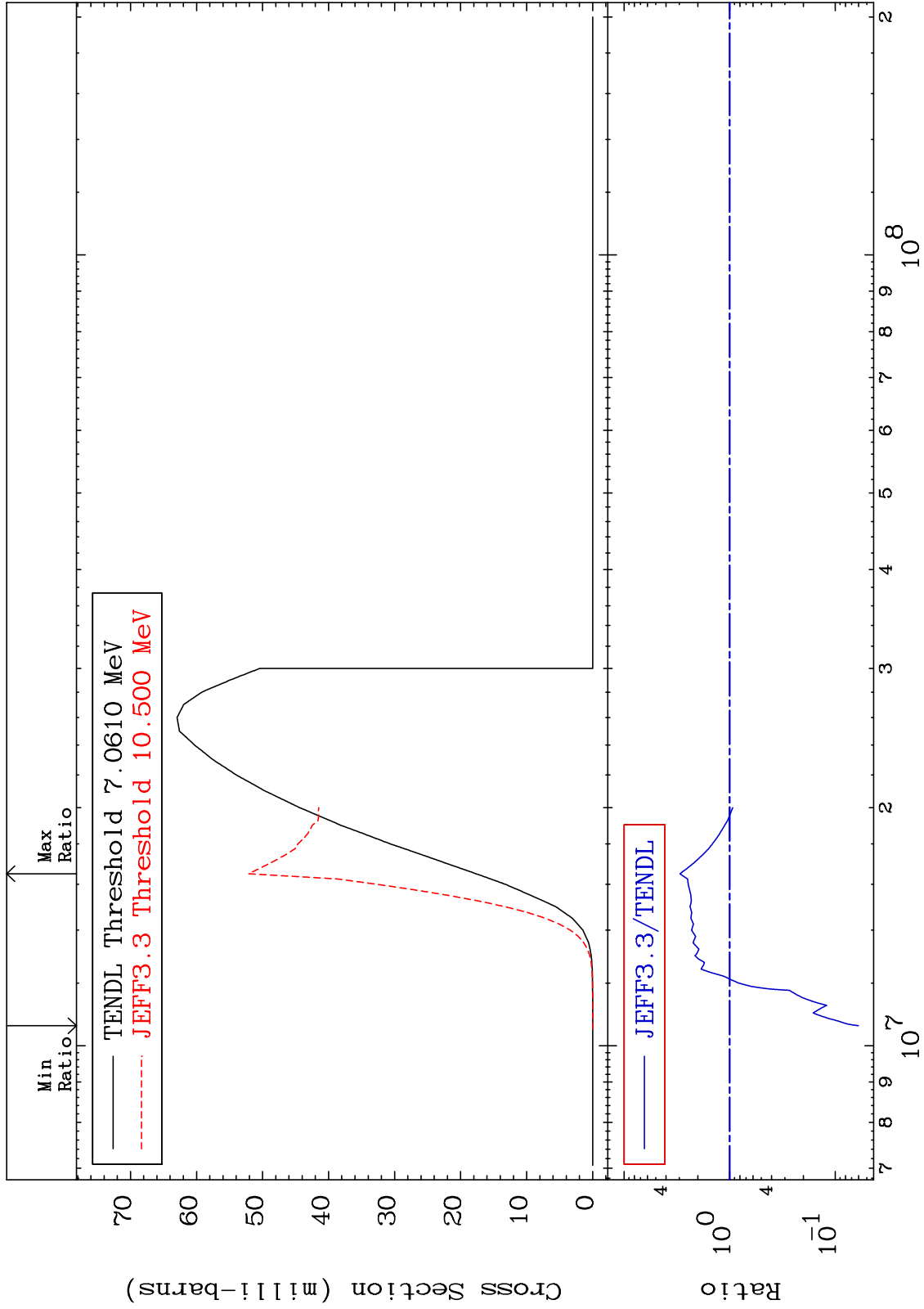
MAT 2725

(n, n')  $\alpha$

27-Co-59

Cross Section

-93.98 To 195.1 %



5

Incident Energy (eV)

27-Co-59

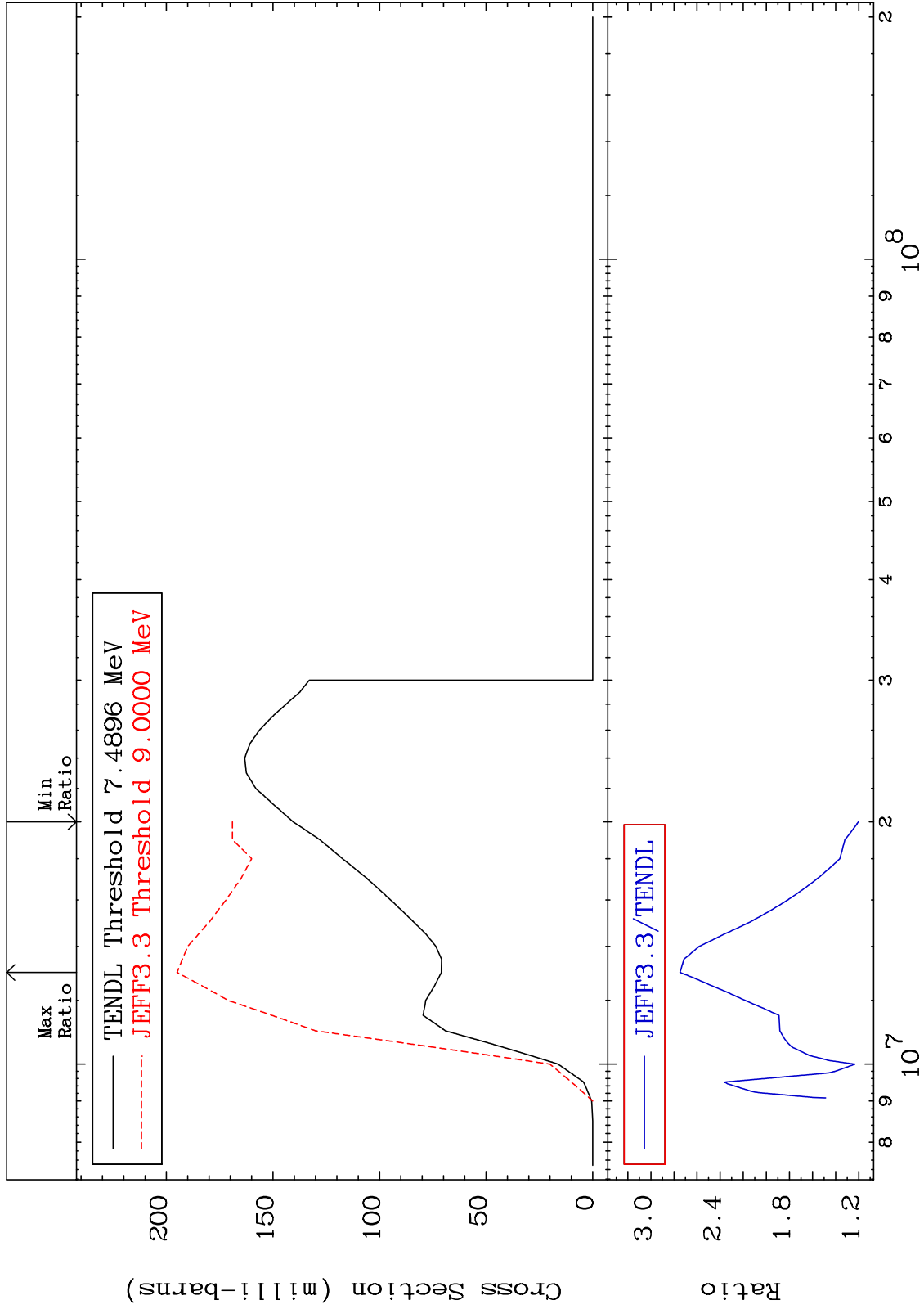
MAT 2725

(n,n') p

27-Co-59

Cross Section

20.25 To 174.7 %



6

Incident Energy (eV)

27-Co-59

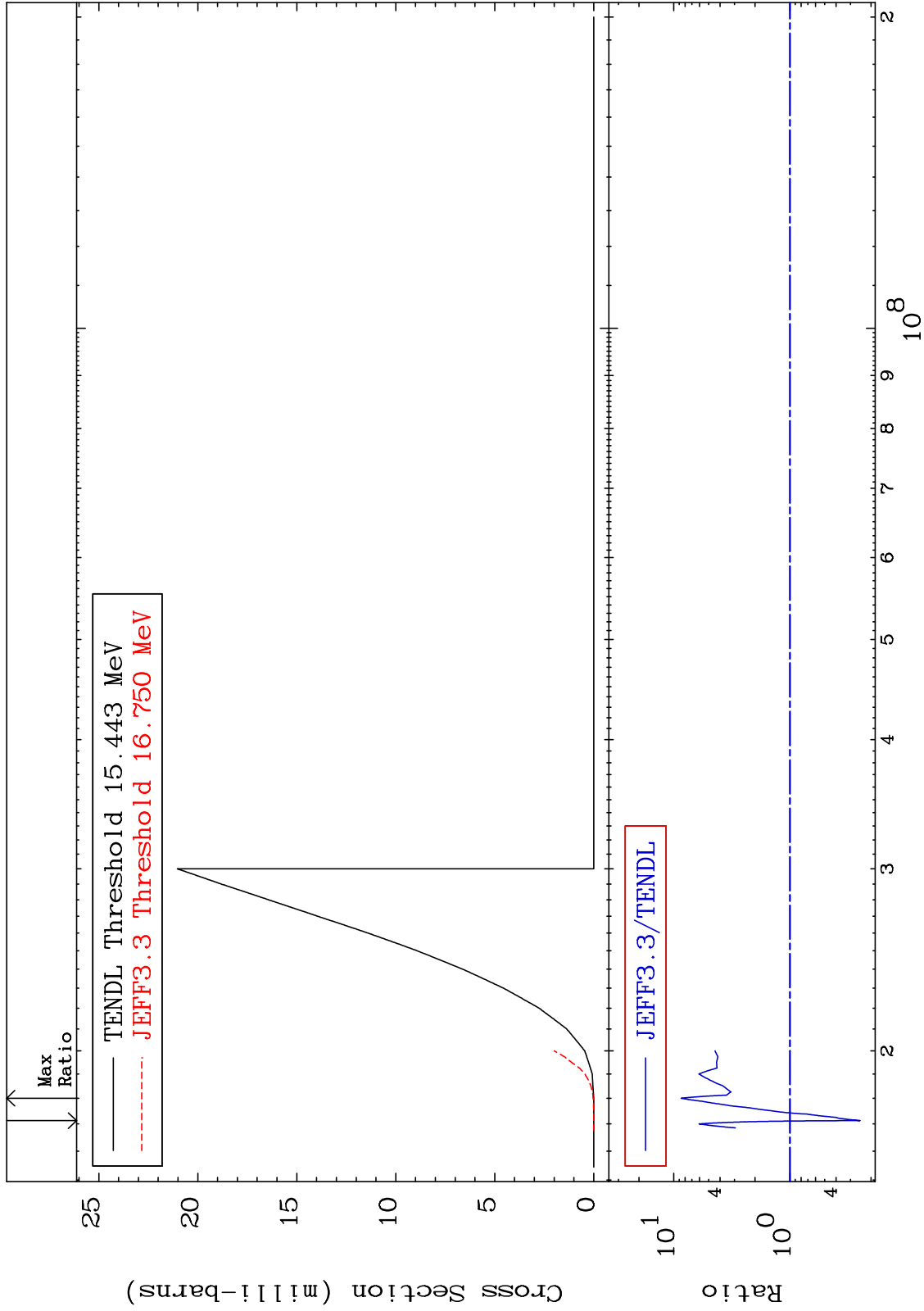
MAT 2725

(n, n') d

27-Co-59

Cross Section

-75.10 To 763.4 %





MAT 2725

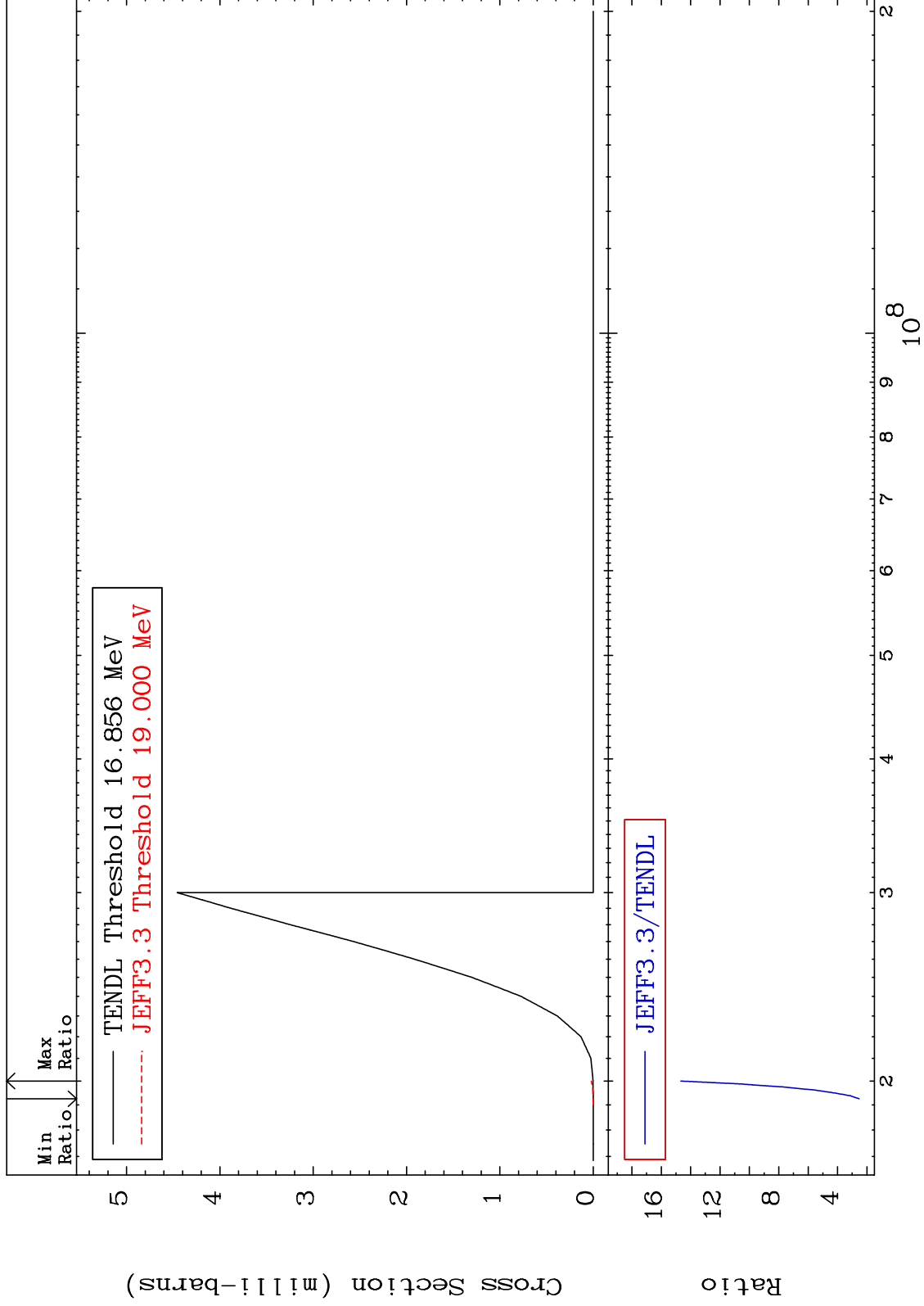
(n,n') t

27-Co-59

Cross Section

152.7

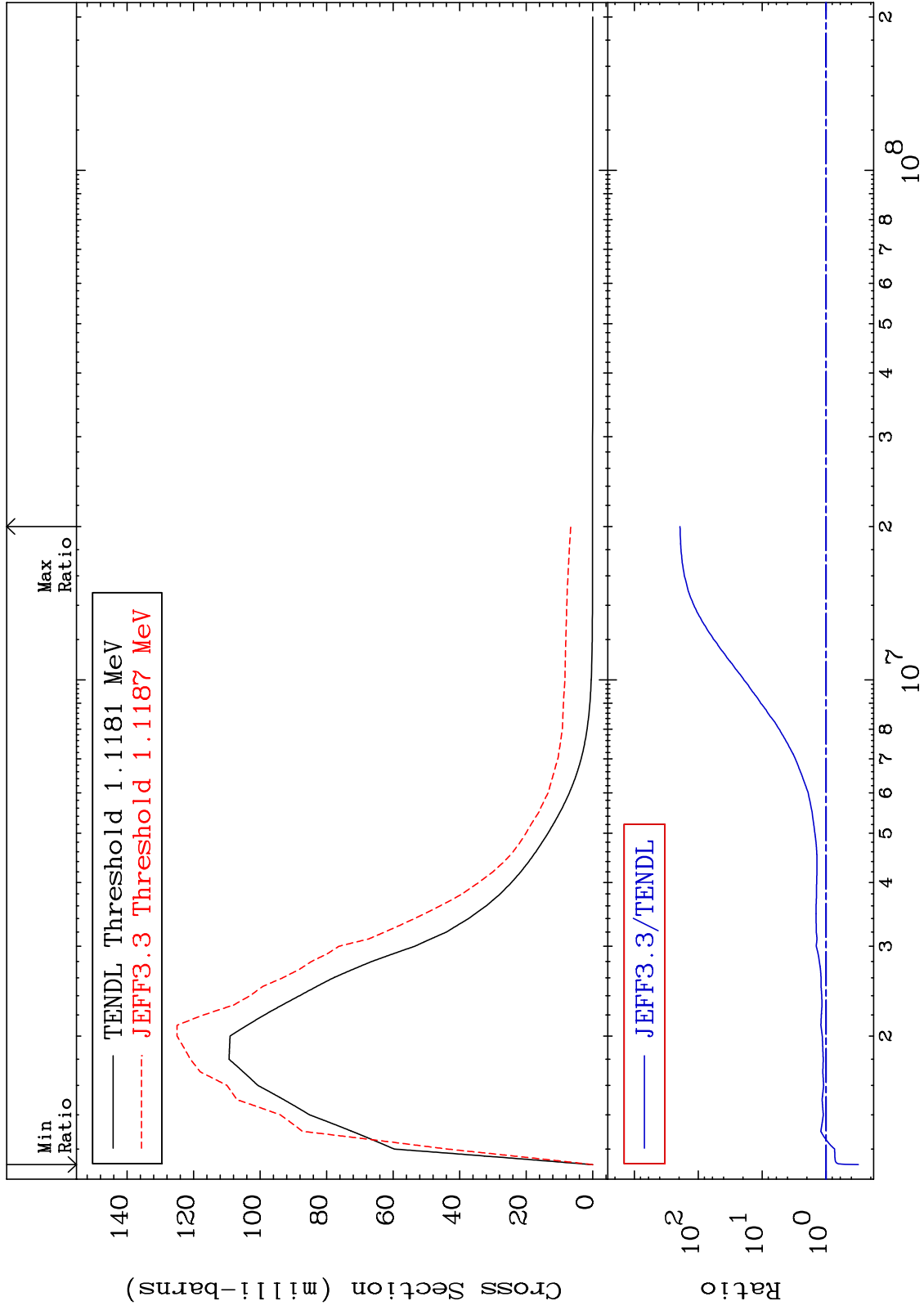
To 1368. %



MAT 2725

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

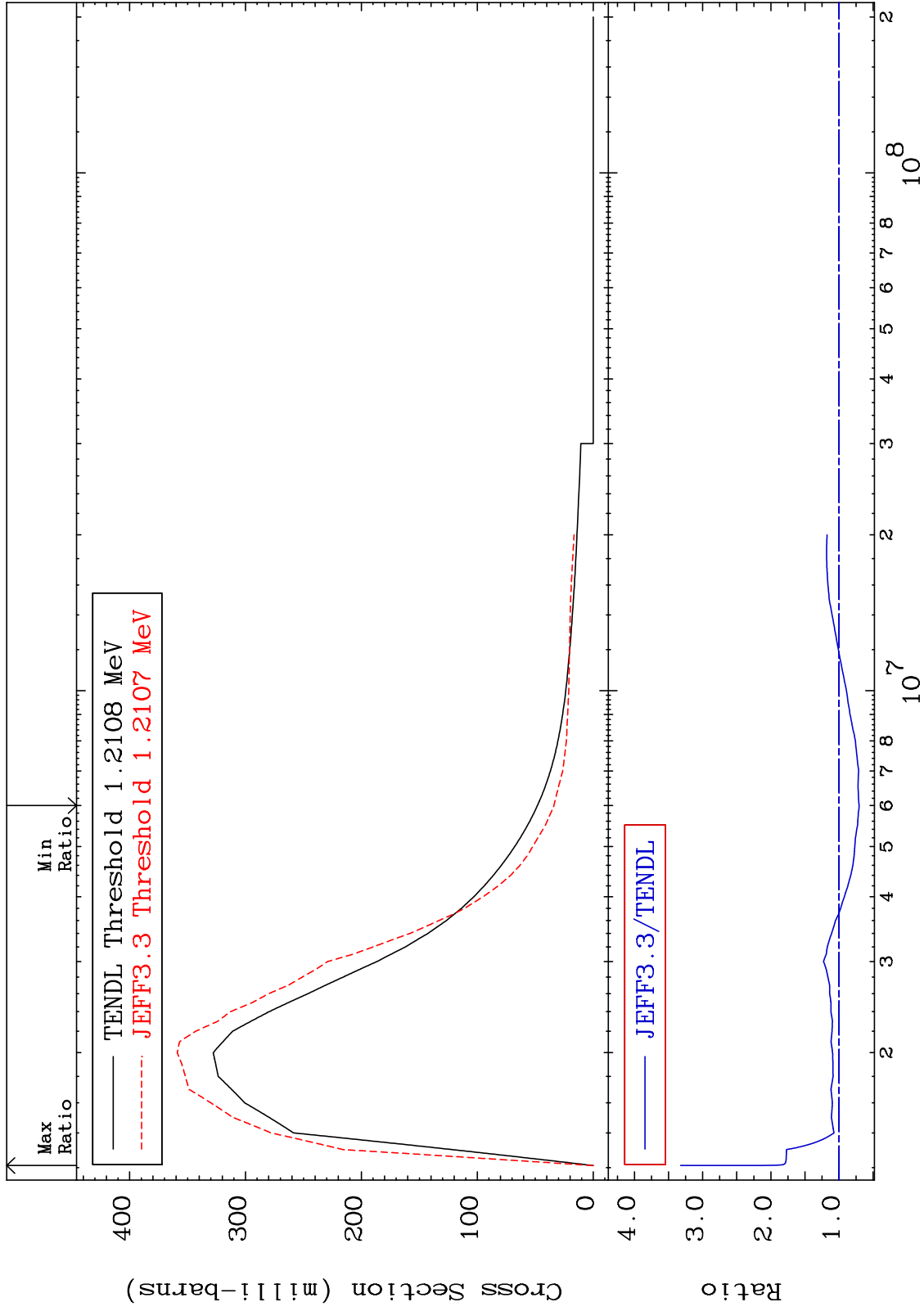
27-Co-59  
-68.84 To 9999. %



MAT 2725

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

27-Co-59  
-29.53 To 232.3 %



10

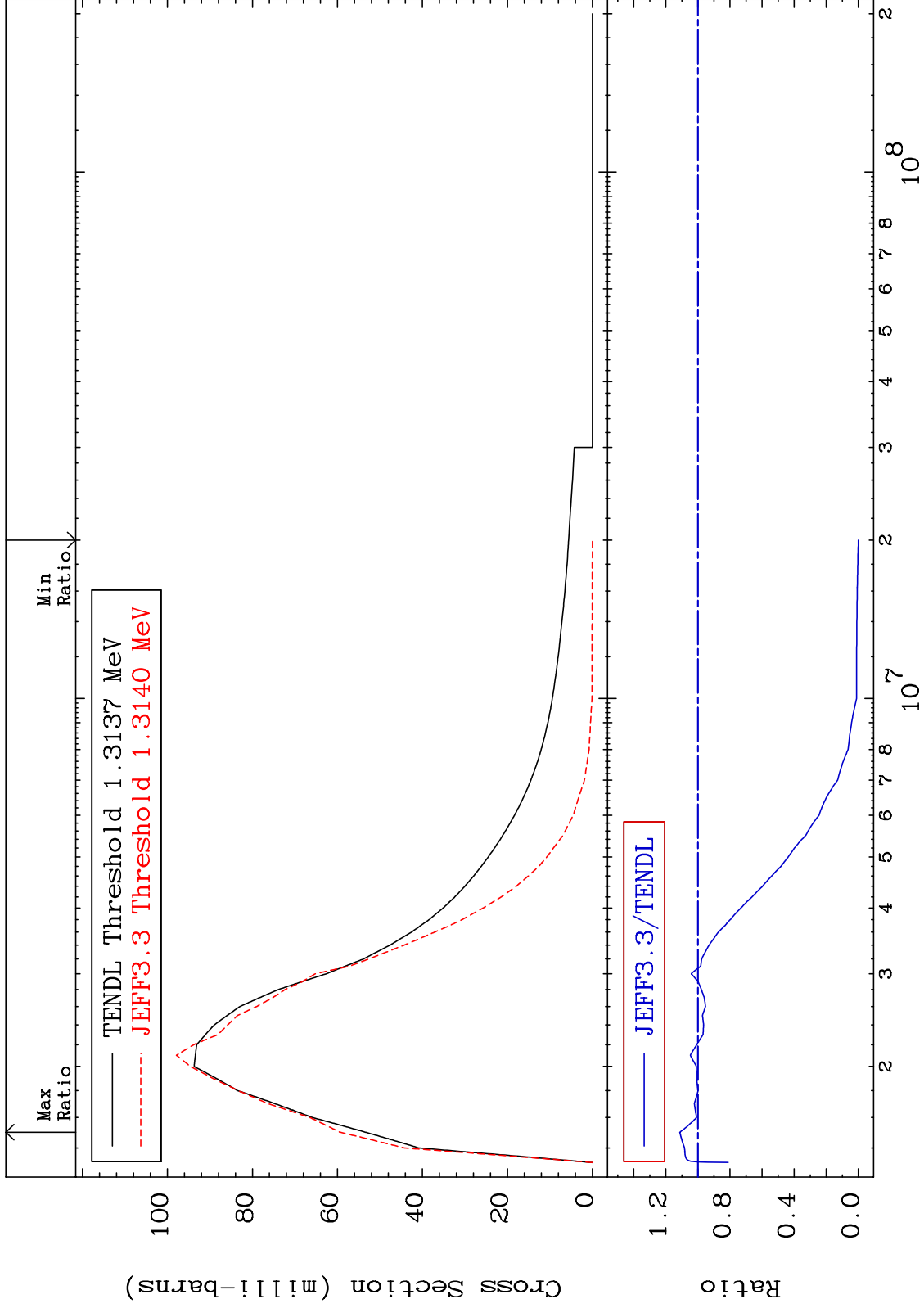
Incident Energy (eV)

27-Co-59

MAT 2725

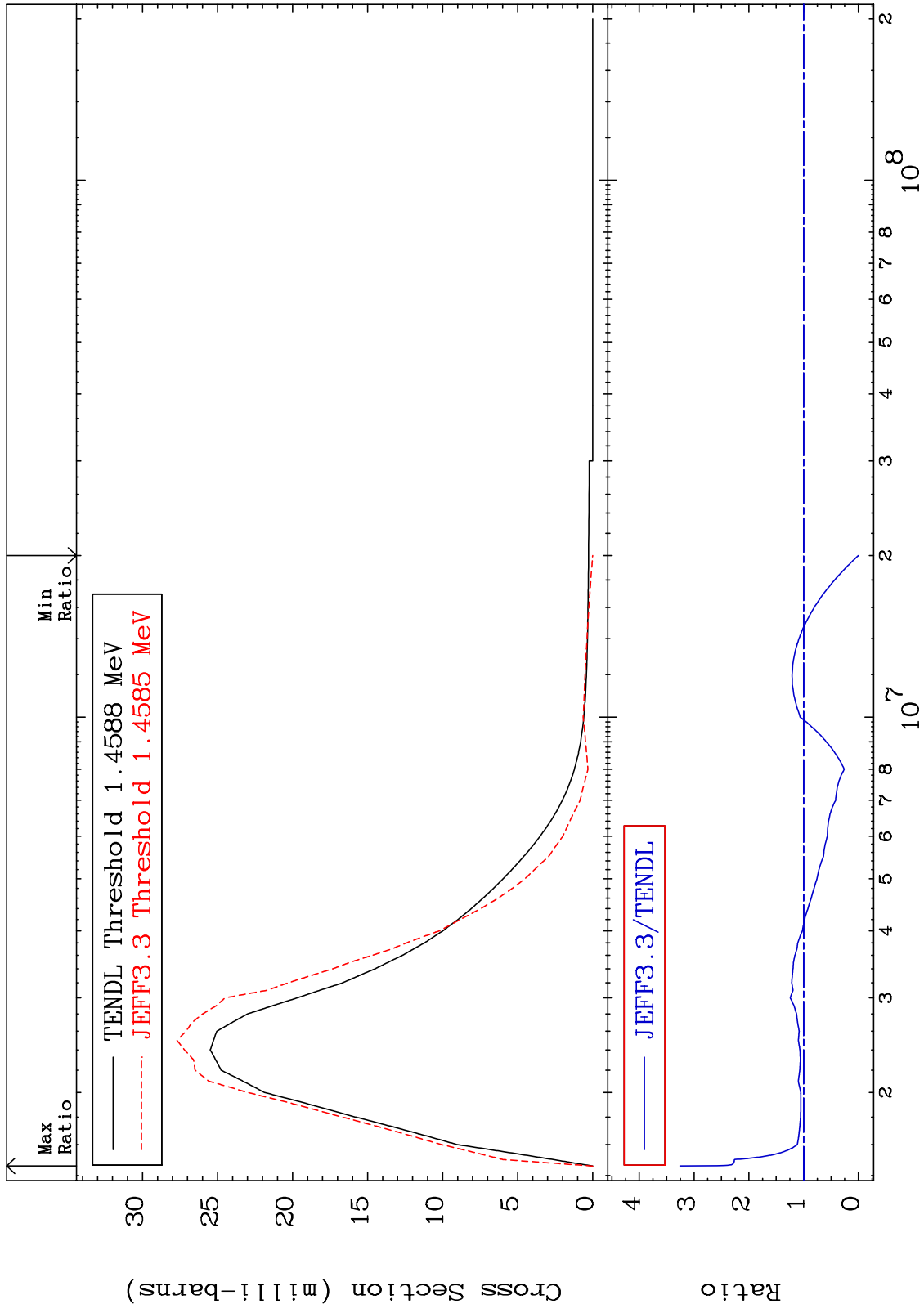
MT= 53 (n, n') Level  
Cross Section

27-Co-59  
-100.0 To 11.28 %



MAT 2725 MT= 54 (n, n') Level  
Cross Section -100.0 To 225.6 %

27-Co-59



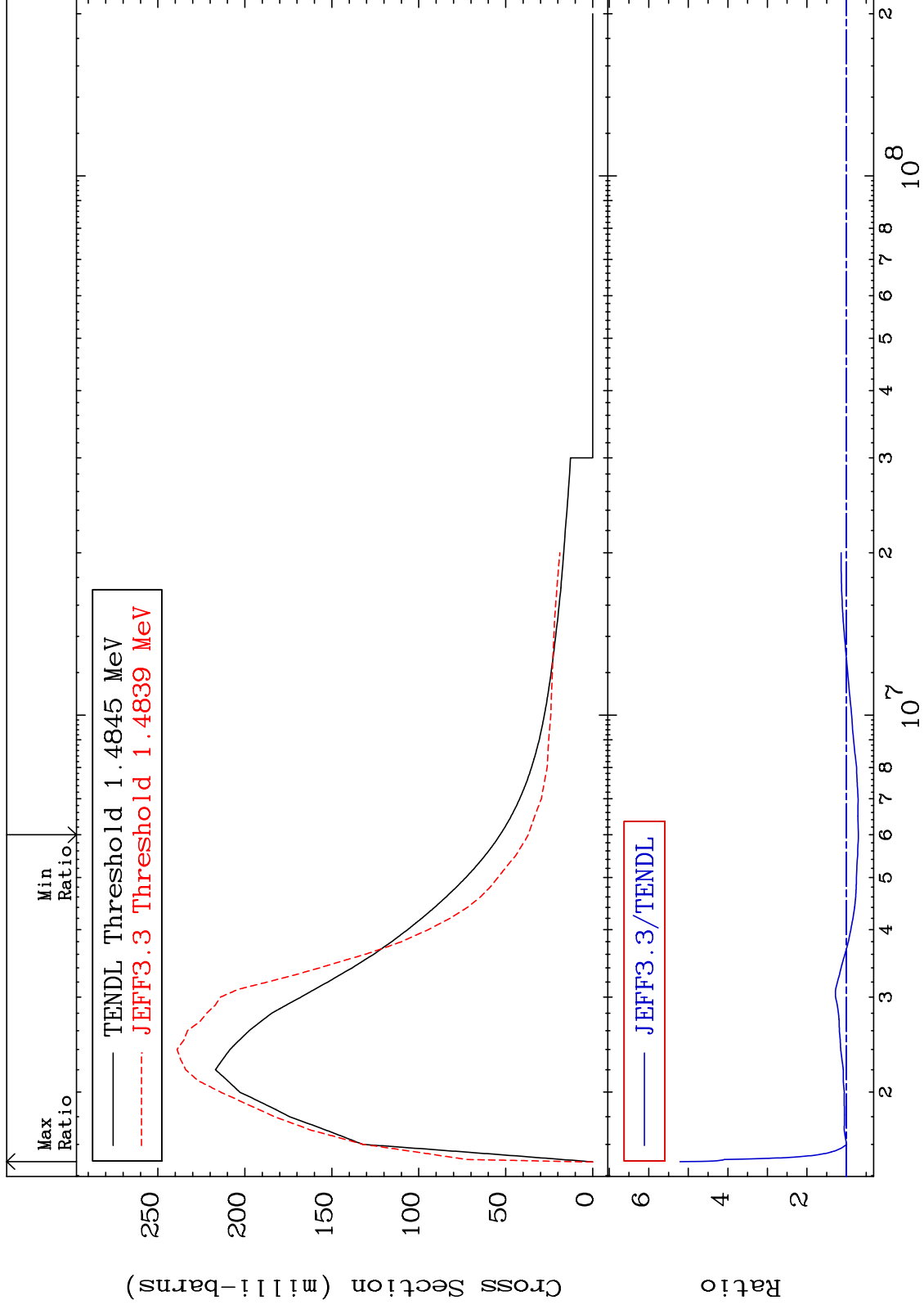
27-Co-59

Incident Energy (eV)

MAT 2725

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

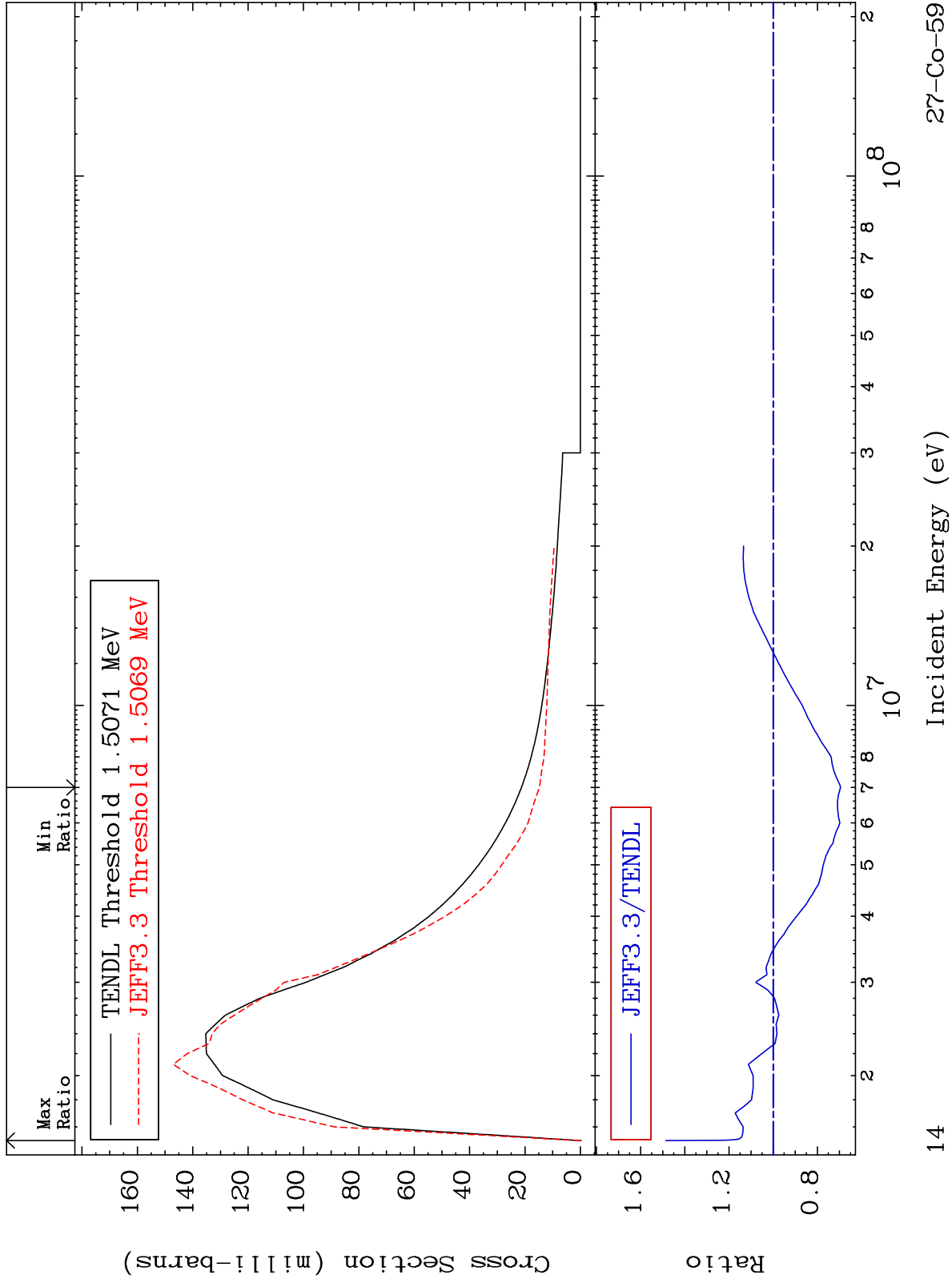
27-Co-59  
-30.29 To 421.0 %



MAT 2725

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

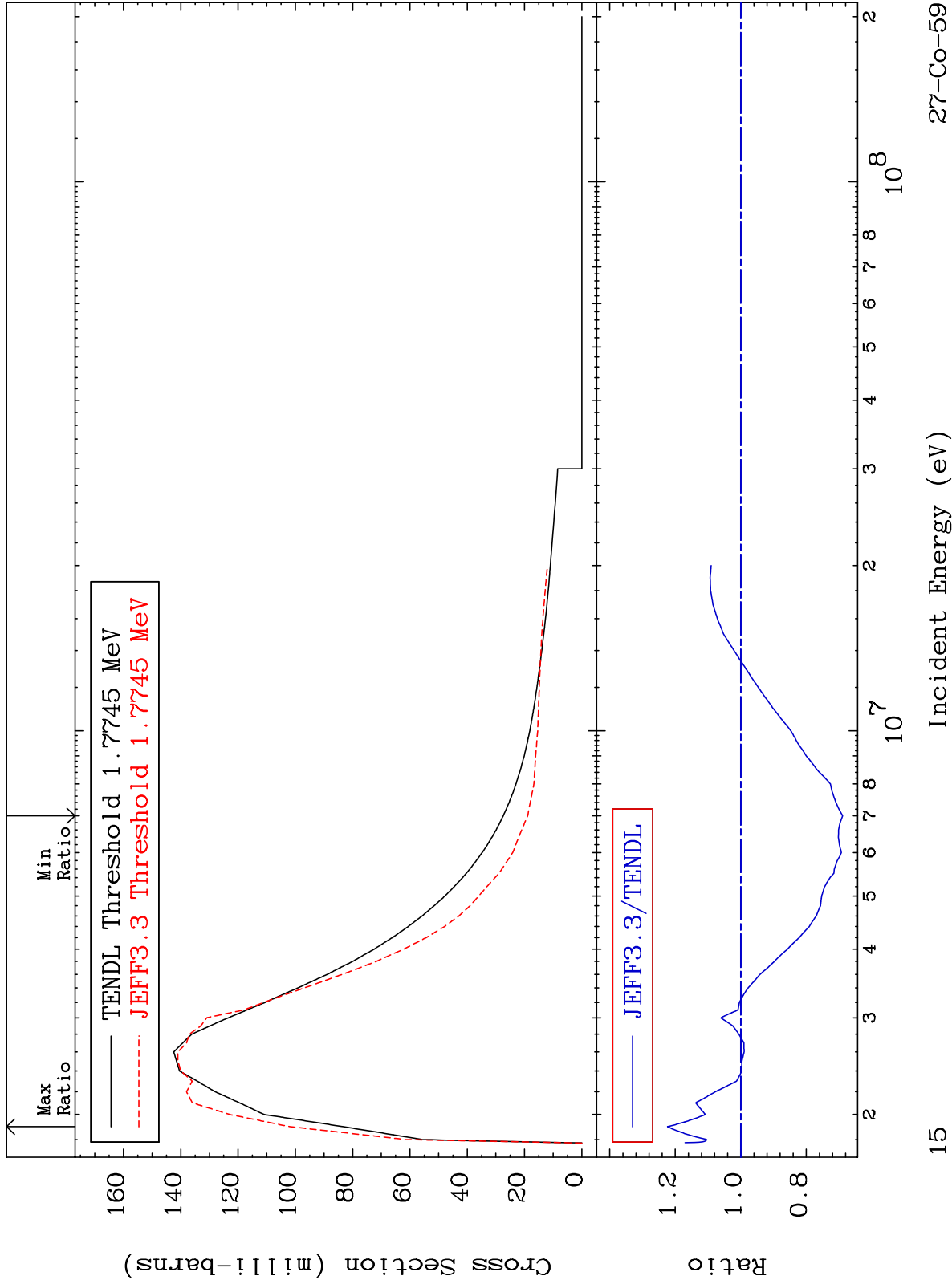
27-Co-59  
-30.51 To 48.58 %



MAT 2725

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

27-Co-59  
-31.10 To 22.36 %

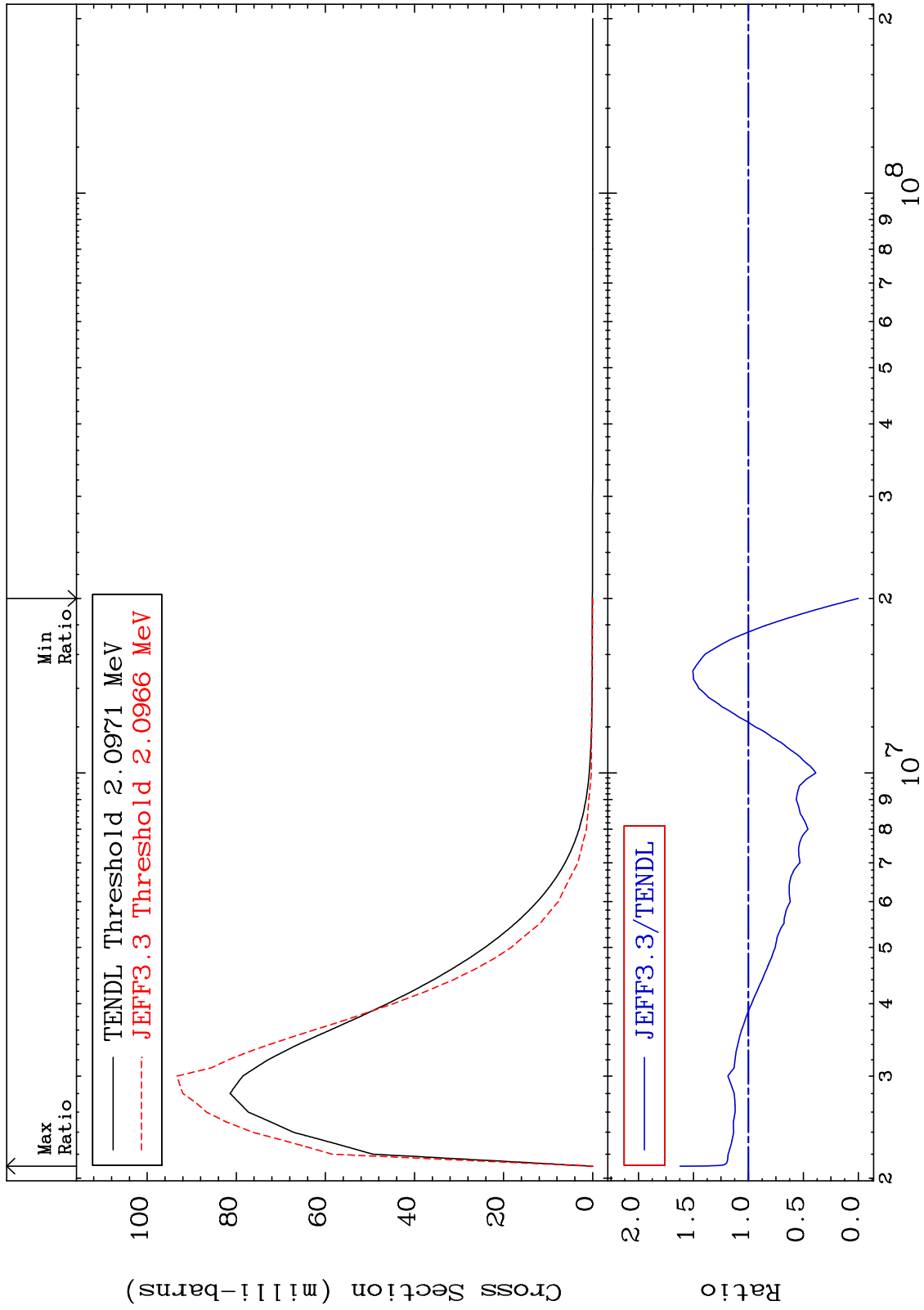




MAT 2725

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

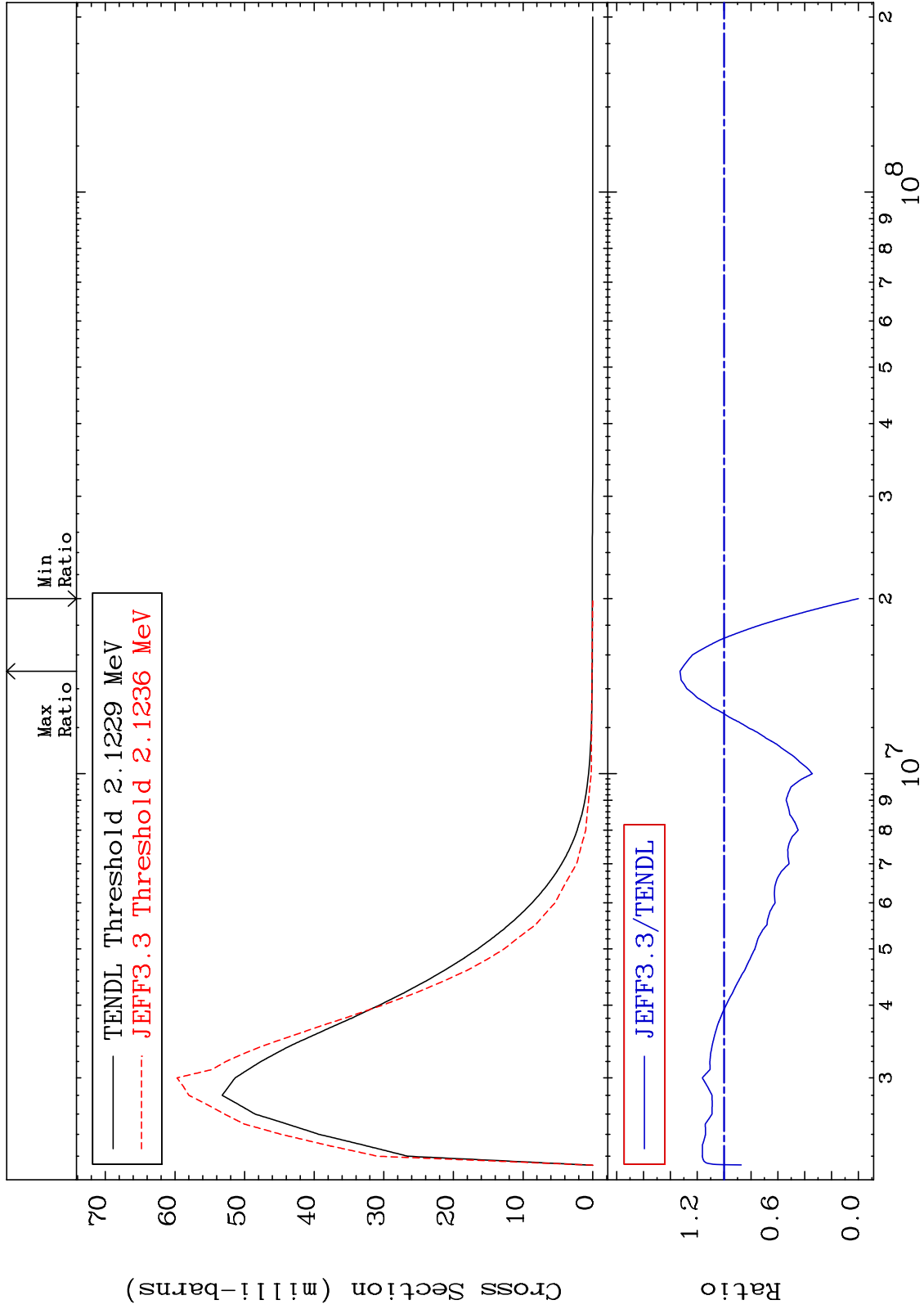
27-Co-59  
-100.0 To 62.27 %



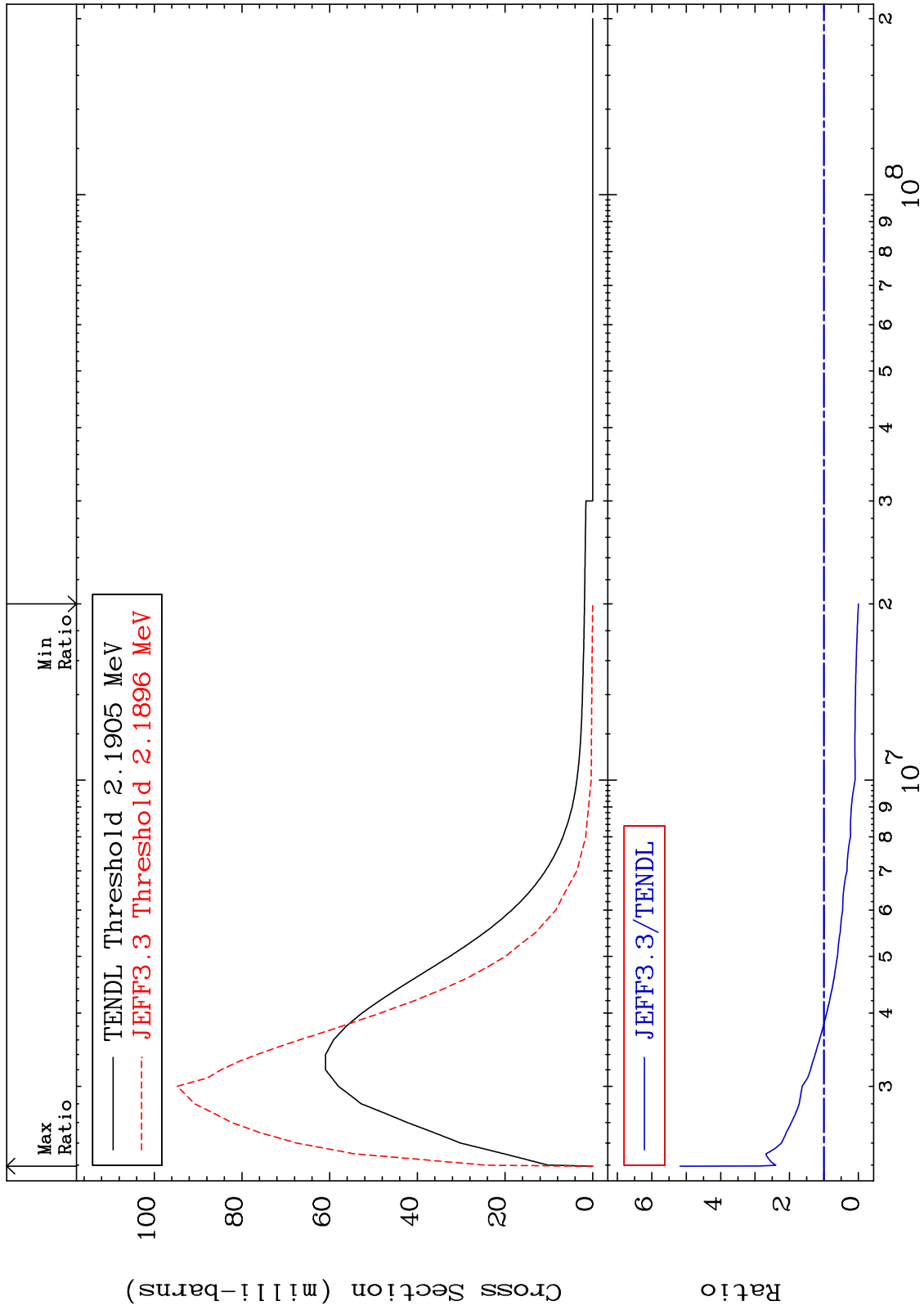
MAT 2725

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

27-Co-59  
-100.0 To 32.83 %



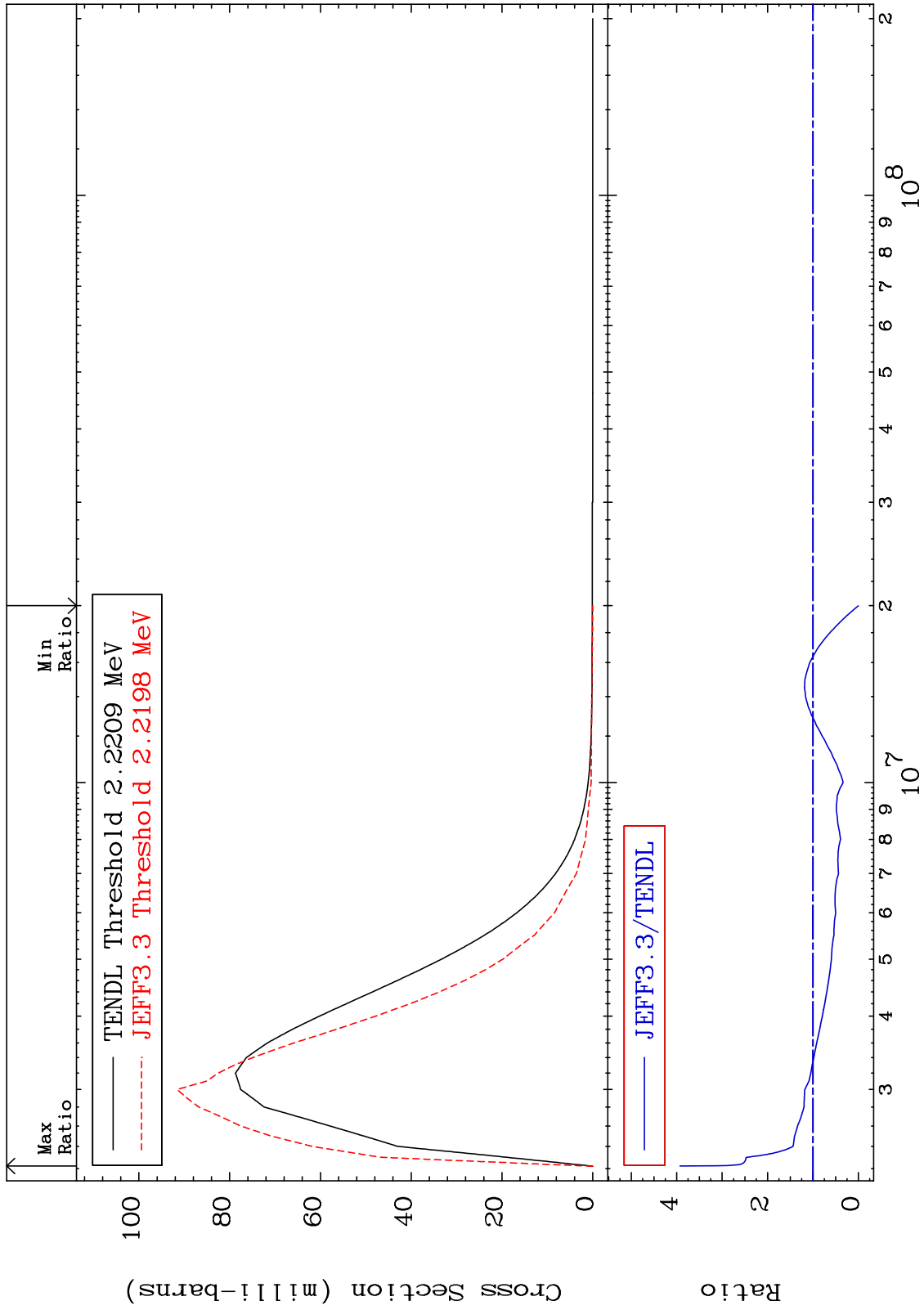
MAT 2725 MT= 60 (n,n') Level Cross Section -100.0 To 417.9 % 27-Co-59



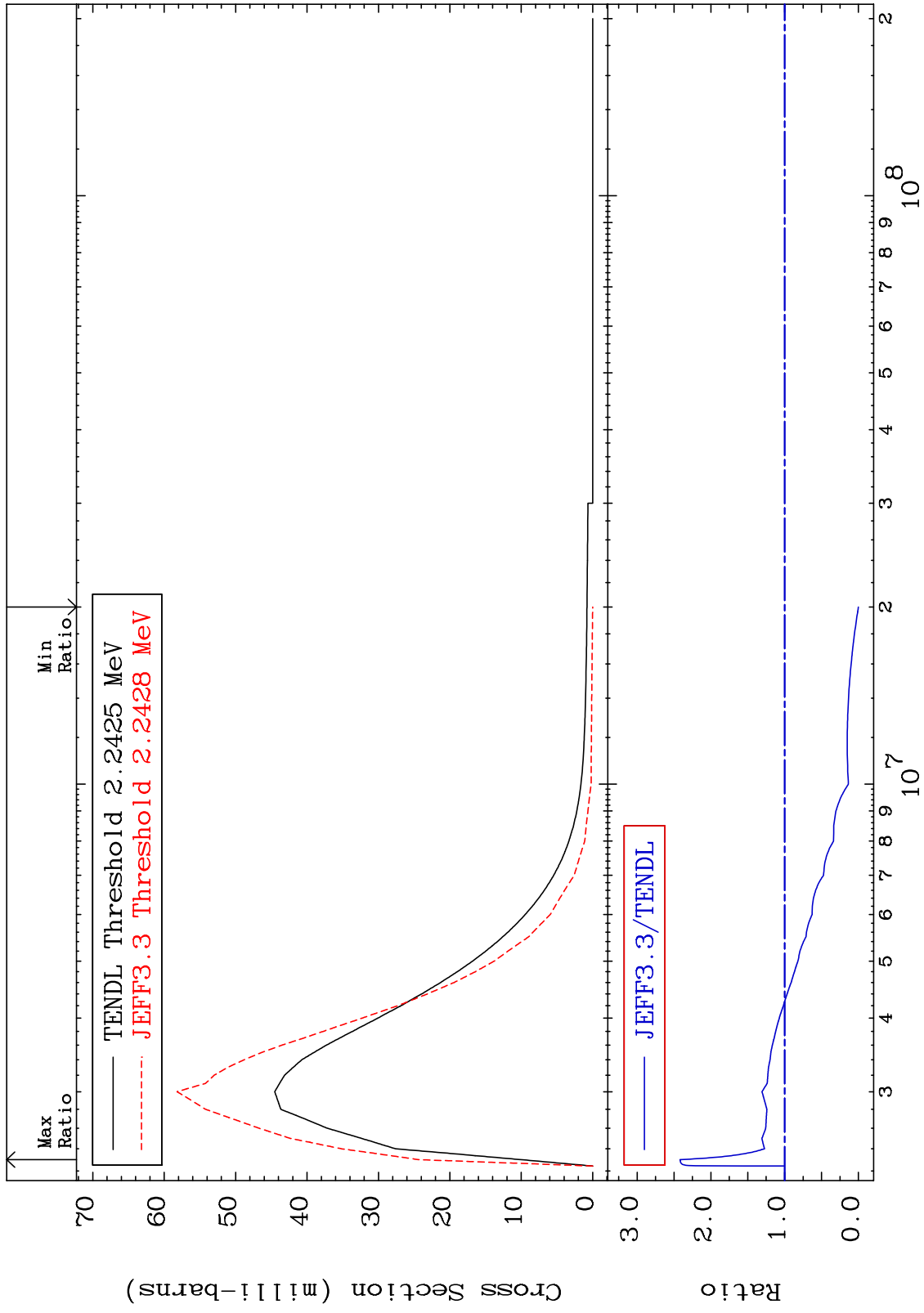
MAT 2725

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

27-Co-59  
-100.0 To 292.7 %



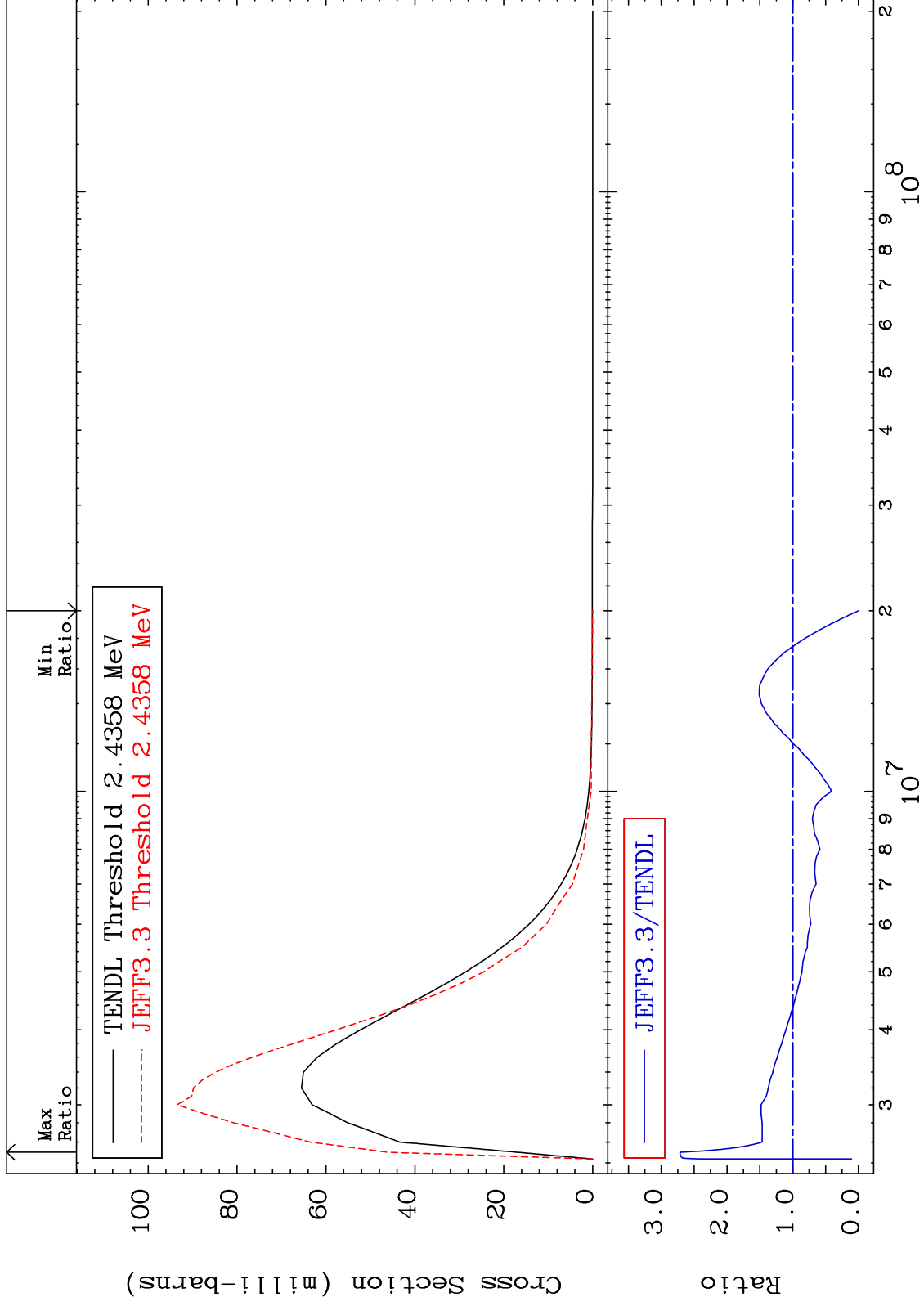
MAT 2725 MT= 62 (n, n') Level Cross Section -100.0 To 141.9 % 27-Co-59



MAT 2725

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

27-Co-59  
-100.0 To 171.5 %



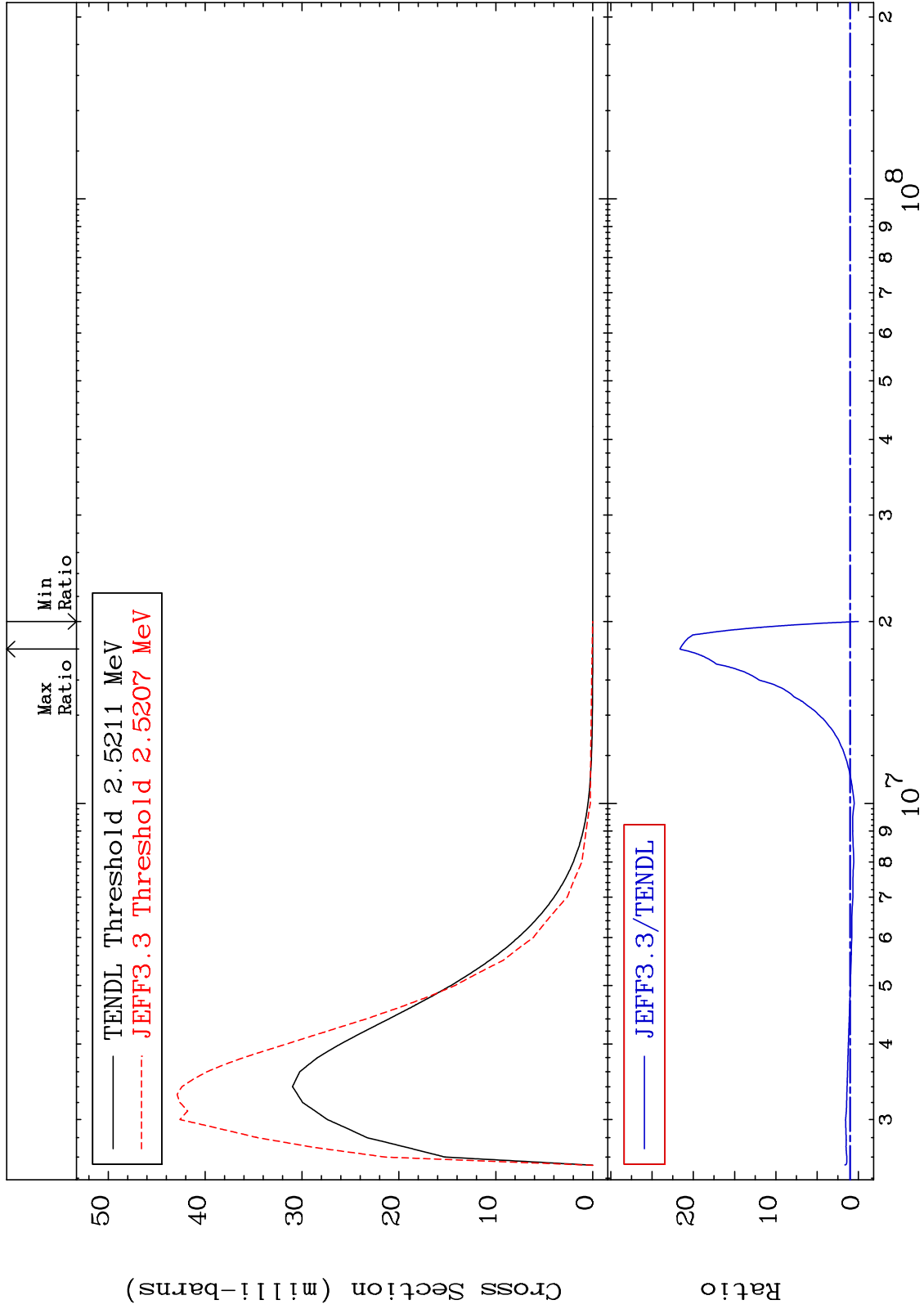
MAT 2725

MT= 64 (n, n') Level

27-Co-59

-100.0 To 2061. %

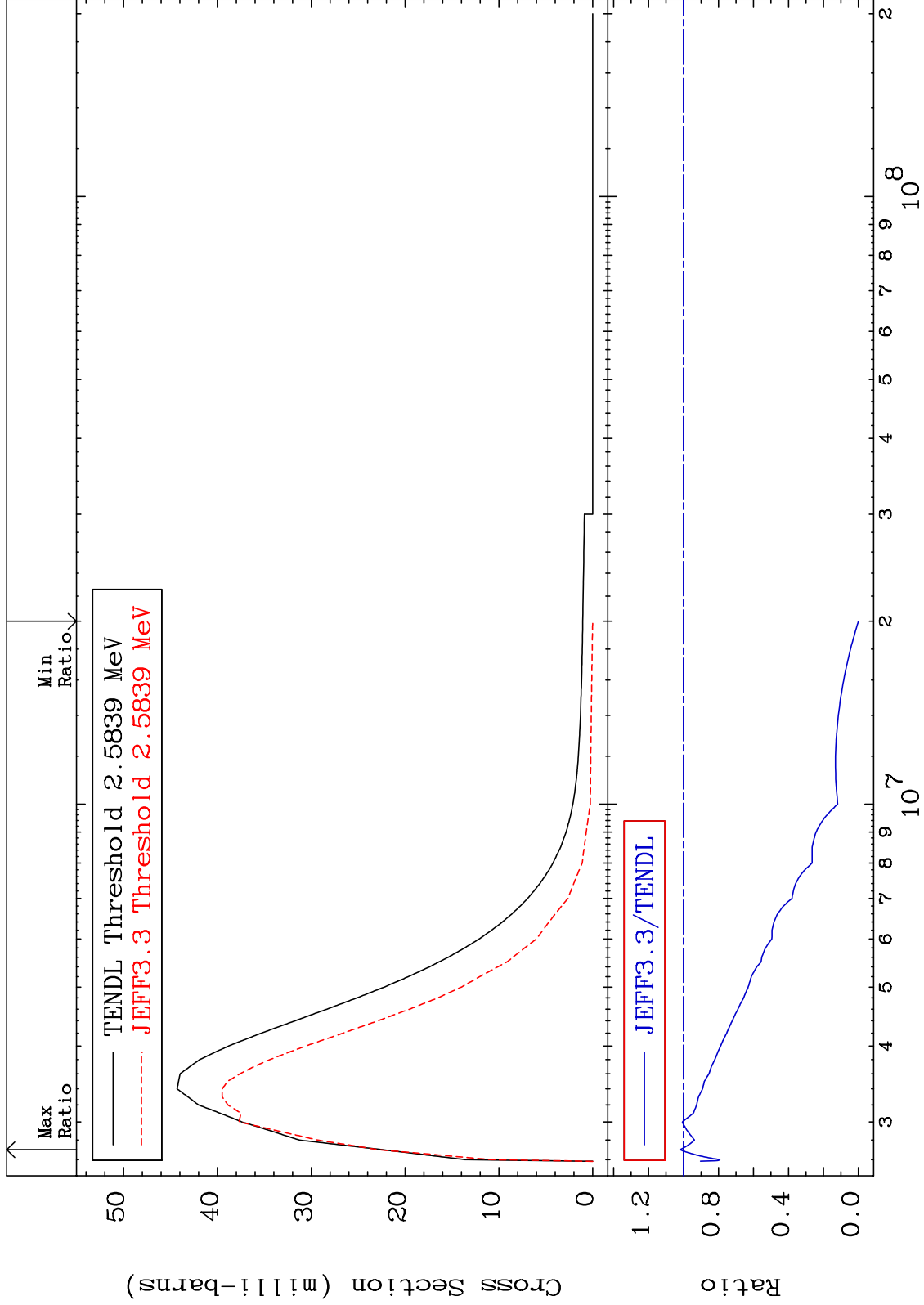
Cross Section



MAT 2725

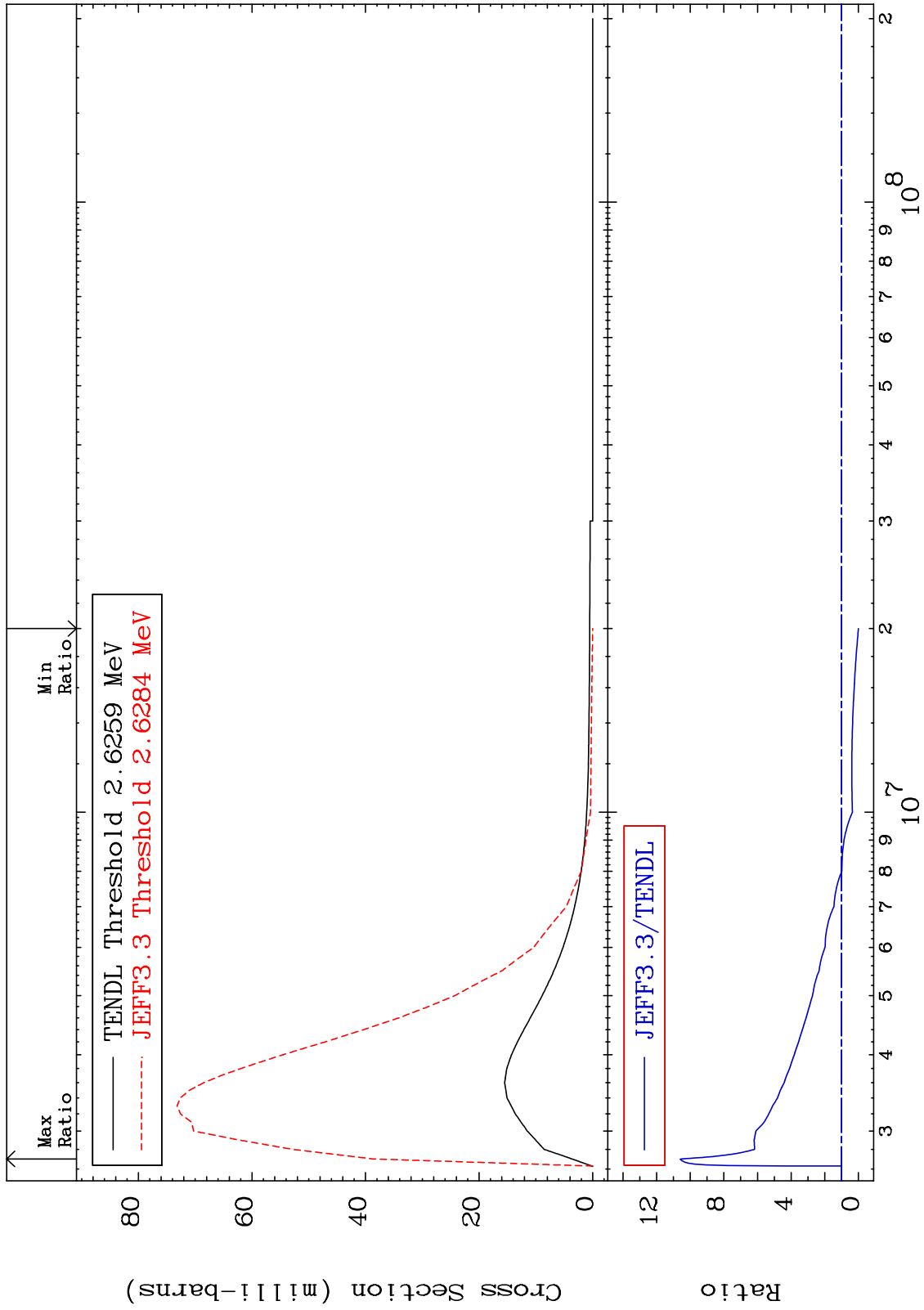
MT= 65 (n,n') Level  
Cross Section

27-Co-59  
-100.0 To 2.036 %





MAT 2725 MT= 66 (n,n') Level Cross Section -100.0 To 960.6 % 27-Co-59



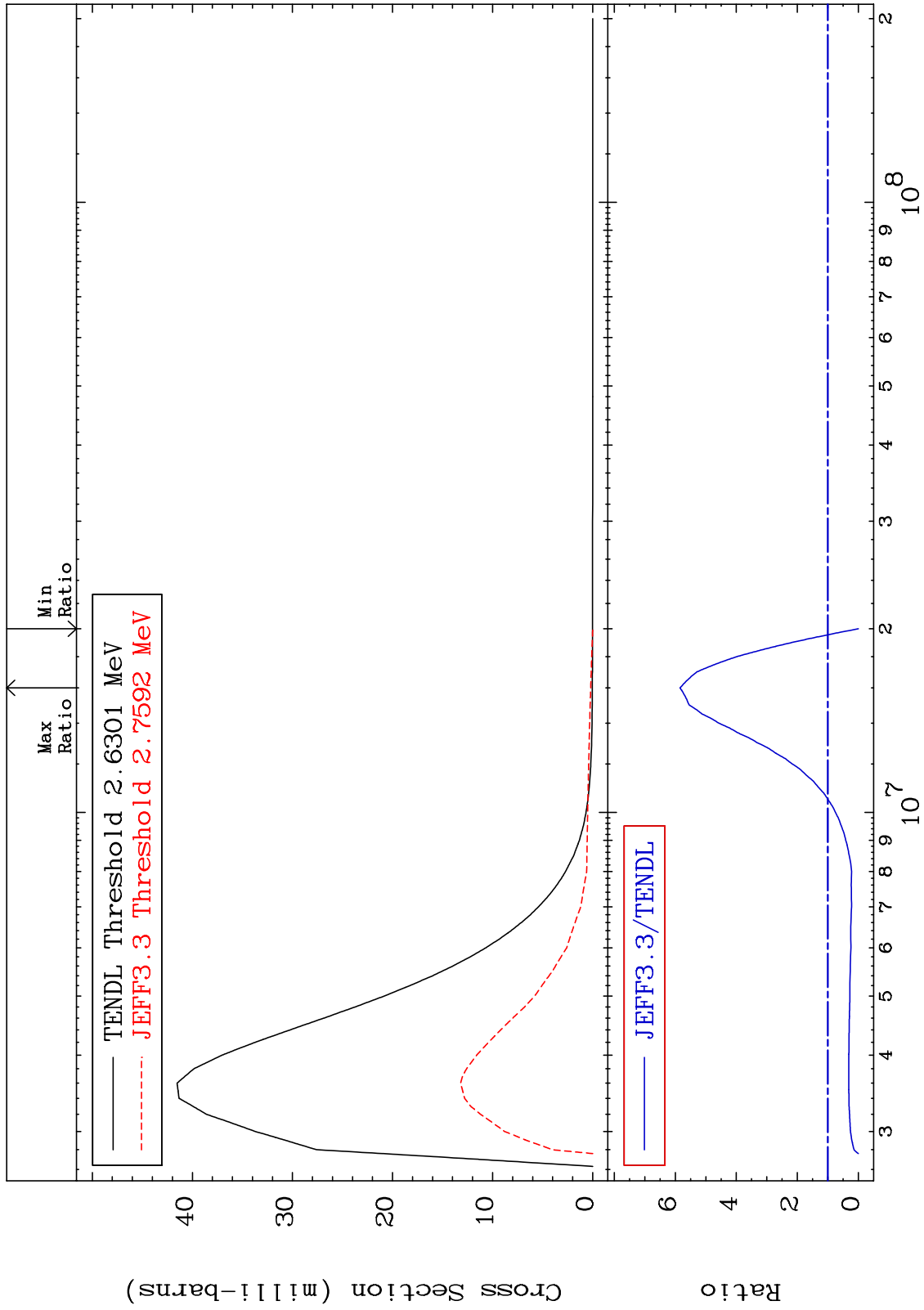
MAT 2725

MT= 67 (n, n') Level

27-Co-59

-100.0 To 484.5 %

Cross Section



25

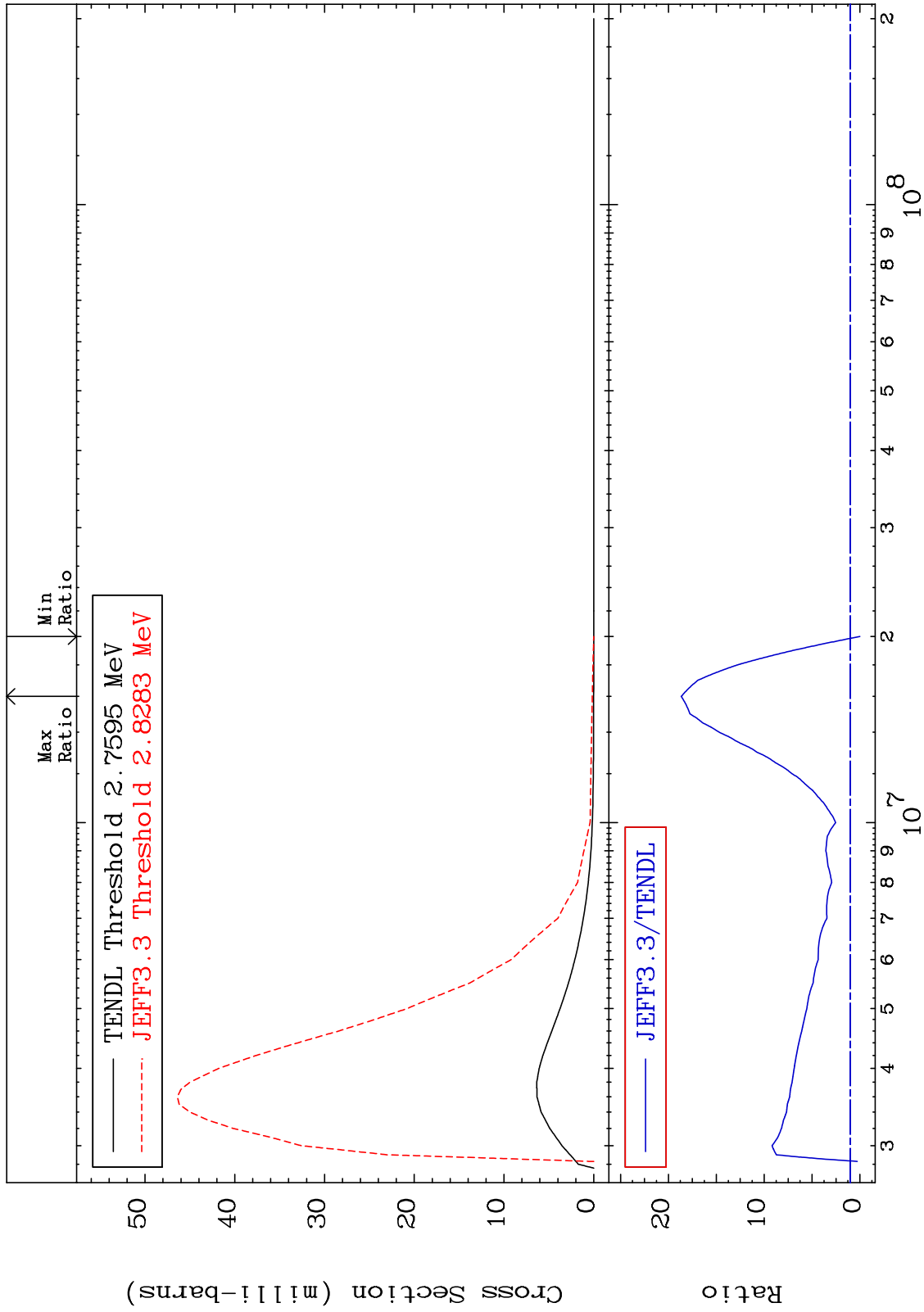
Incident Energy (eV)

27-Co-59

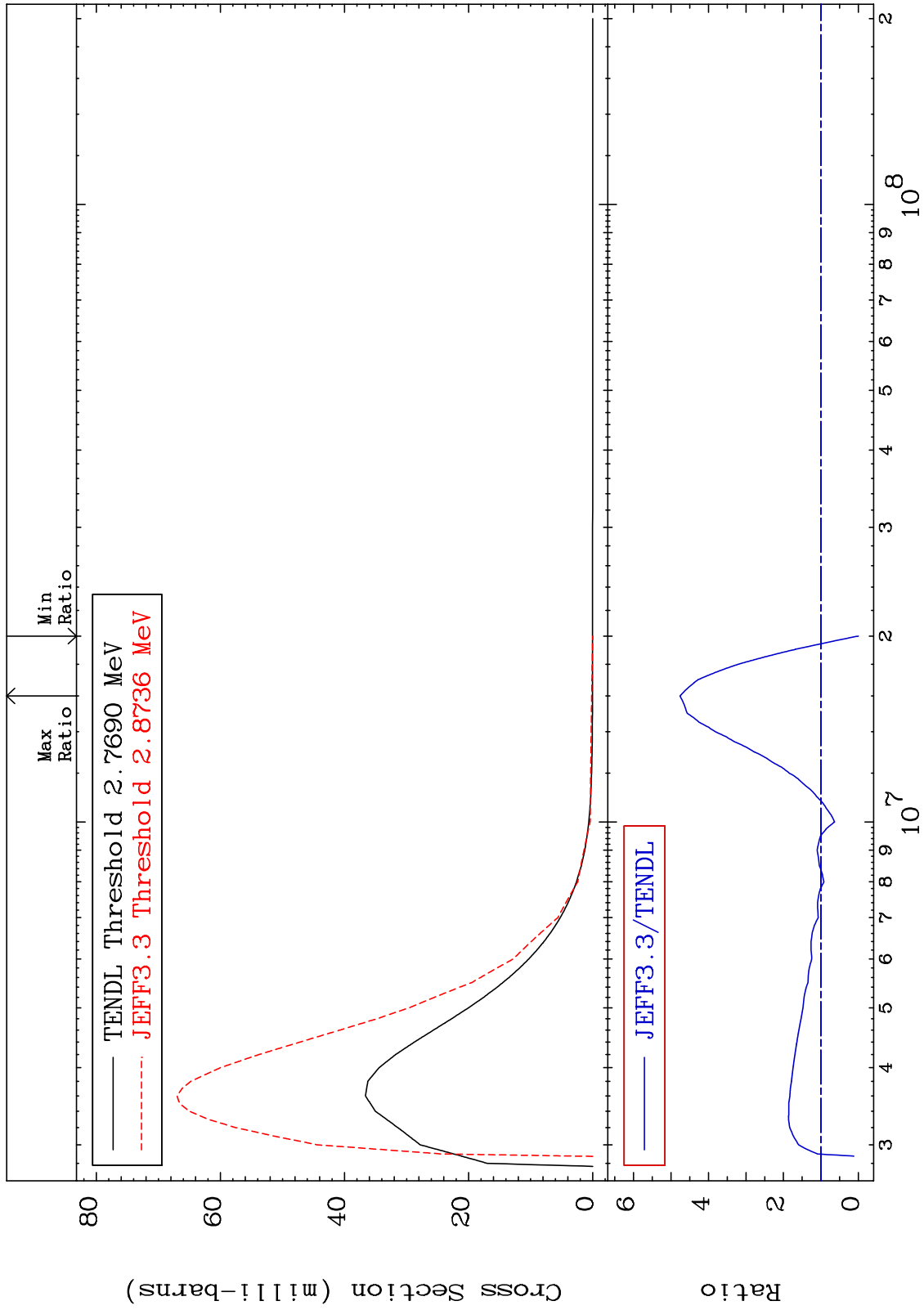
MAT 2725

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

27-Co-59  
-100.0 To 1766. %



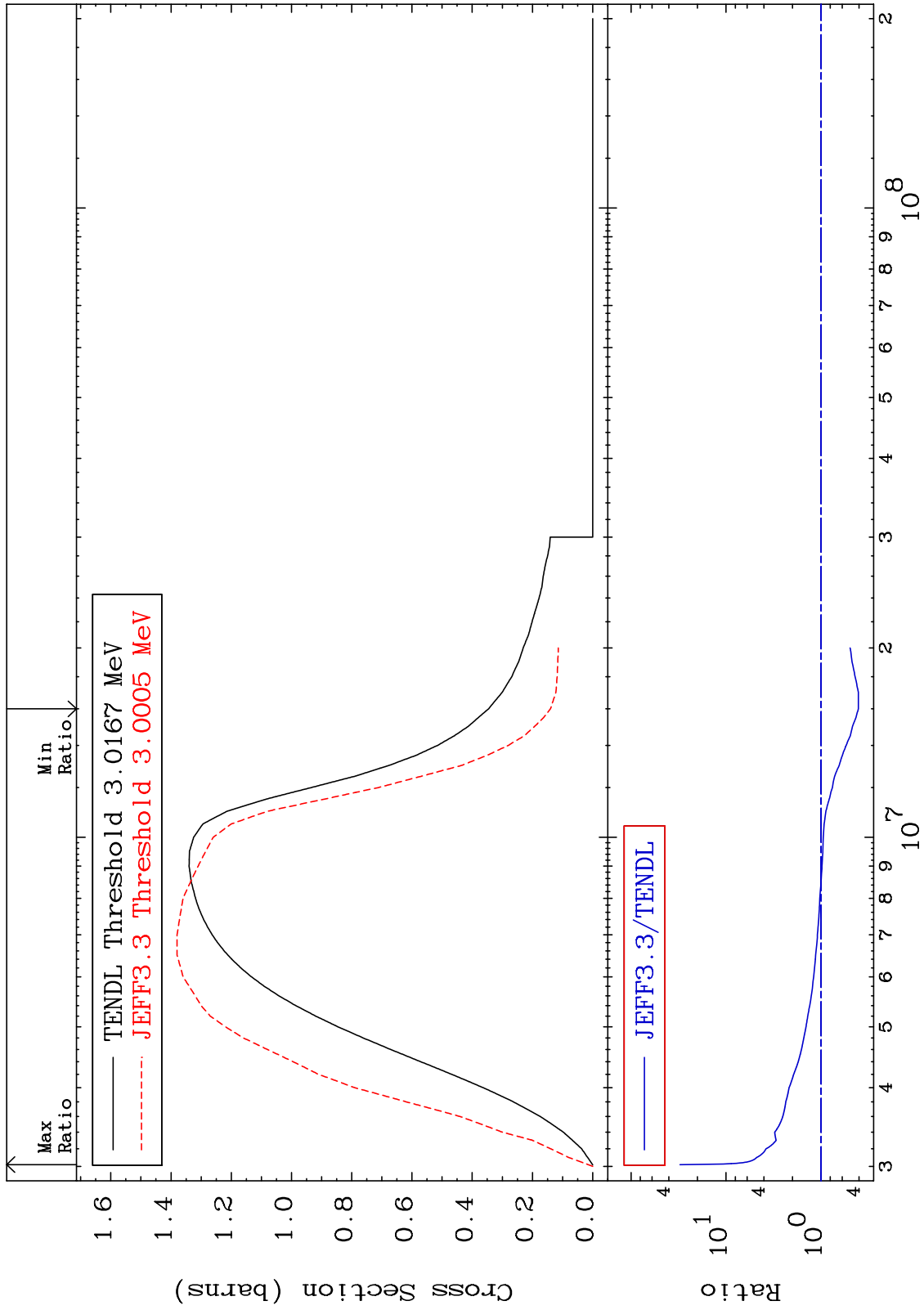
MAT 2725 MT= 69 (n, n') Level  
Cross Section -100.0 To 375.9 % 27-Co-59



MAT 2725

(n,n') Continuum  
Cross Section

27-Co-59  
-59.49 To 2949. %



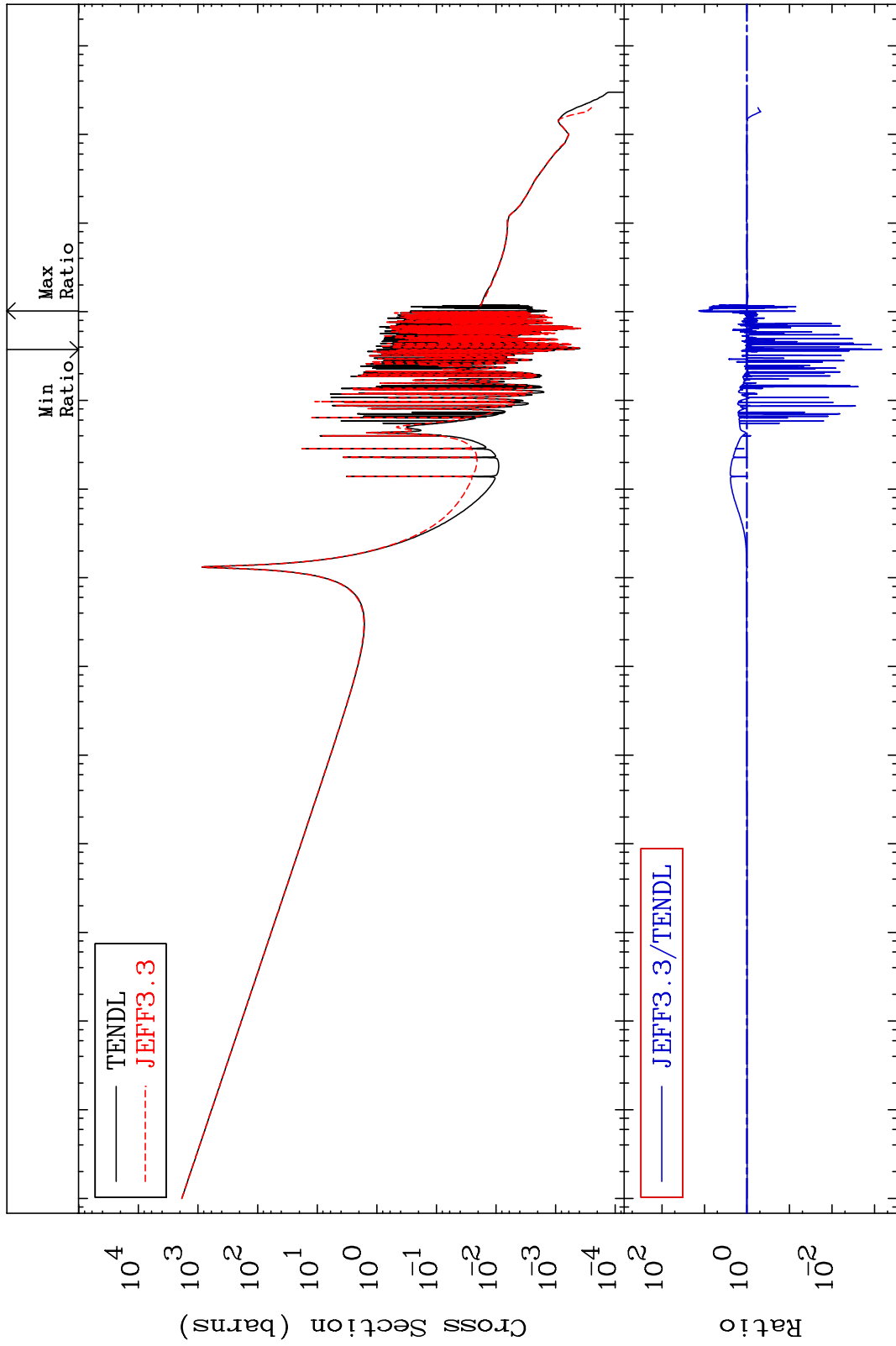
MAT 2725

(n,  $\gamma$ )

27-Co-59

Cross Section

-99.93 To 1291. %



Incident Energy (eV)

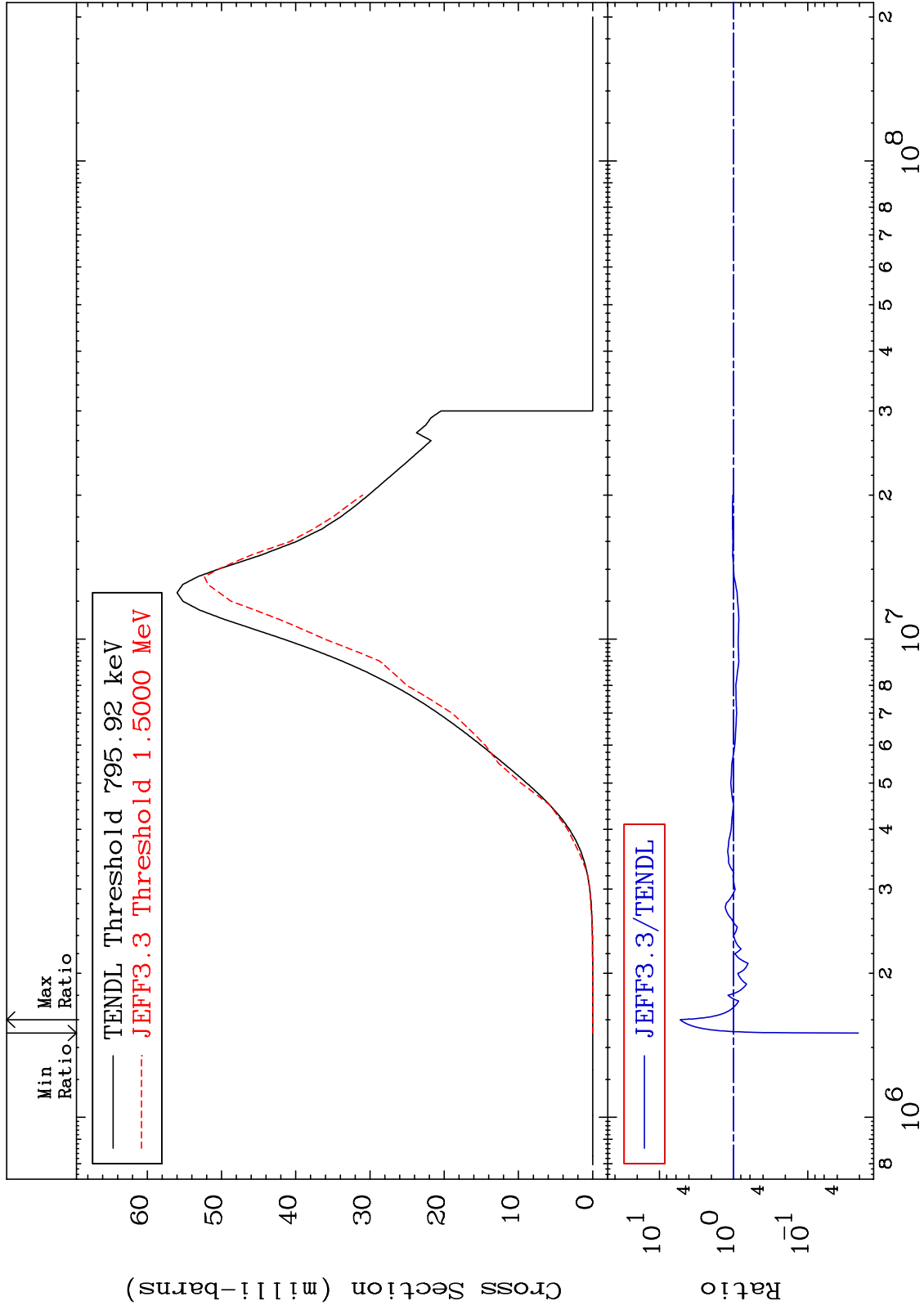
MAT 2725

(n, p)

27-Co-59

Cross Section

-97.93 To 428.4 %



30

Incident Energy (eV)

27-Co-59

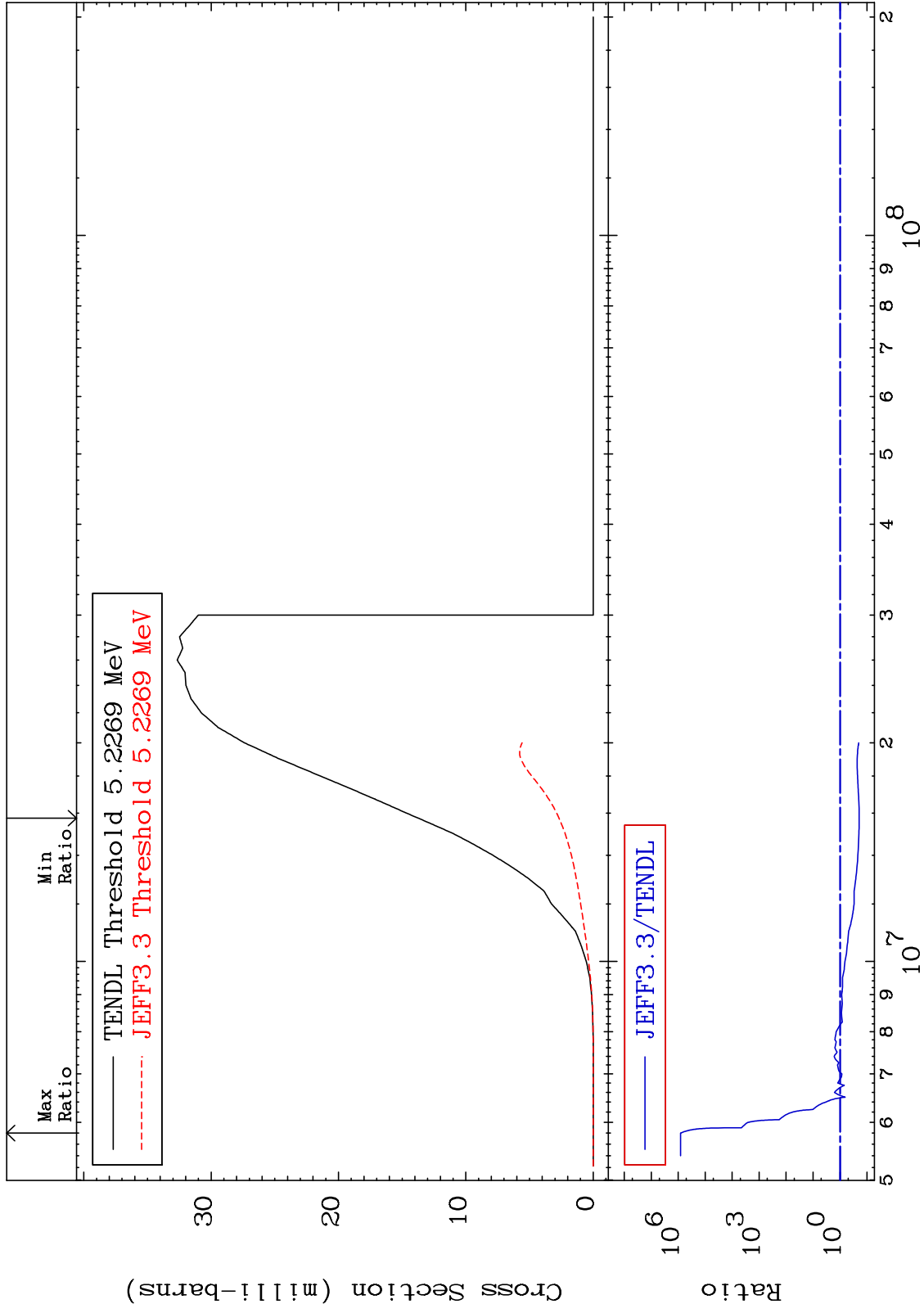
MAT 2725

(n, d)

27-Co-59

Cross Section

-80.46 To 9999. %





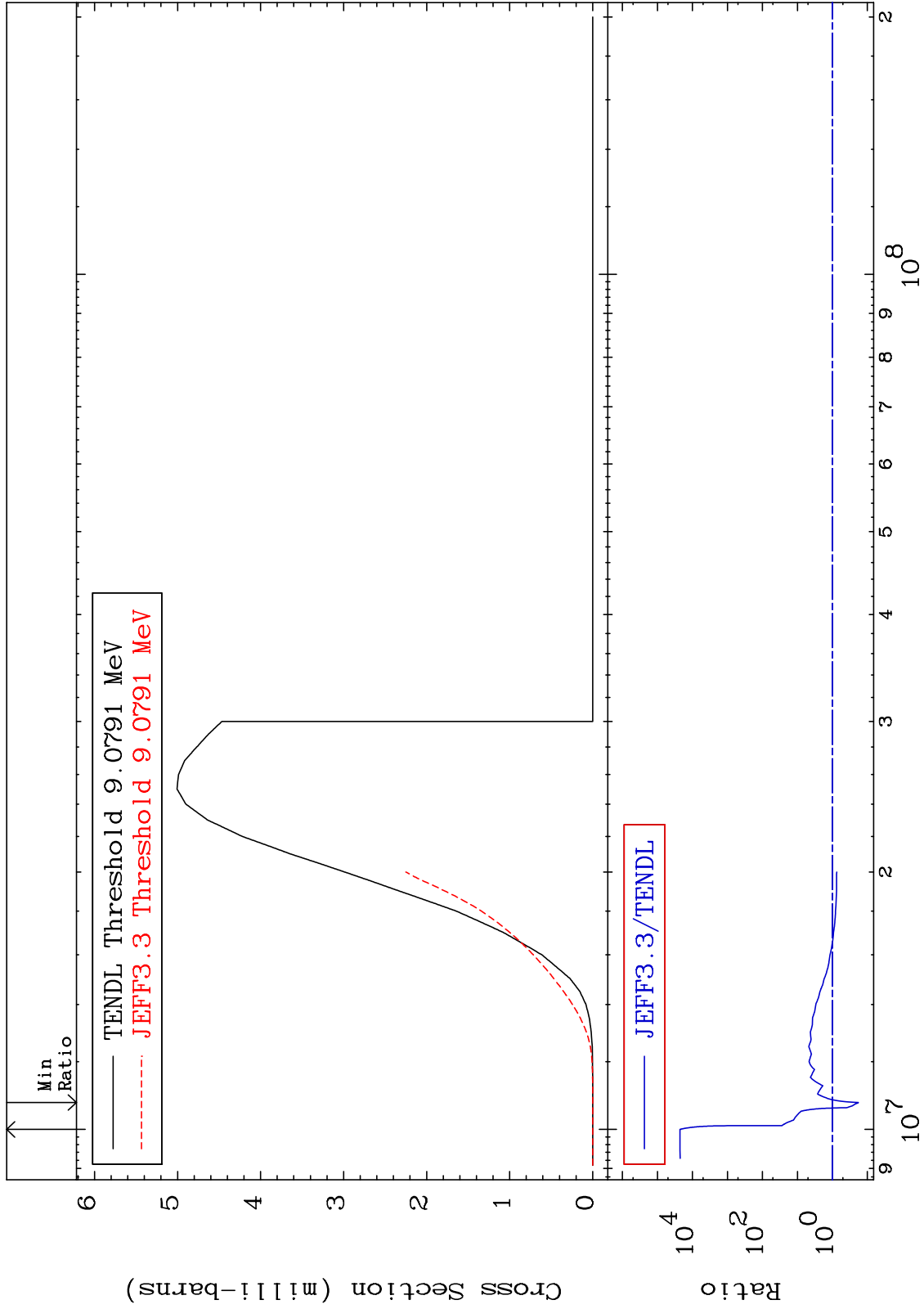
MAT 2725

(n, t)

27-Co-59

Cross Section

-81.93 To 9999. %



32

Incident Energy (eV)

27-Co-59

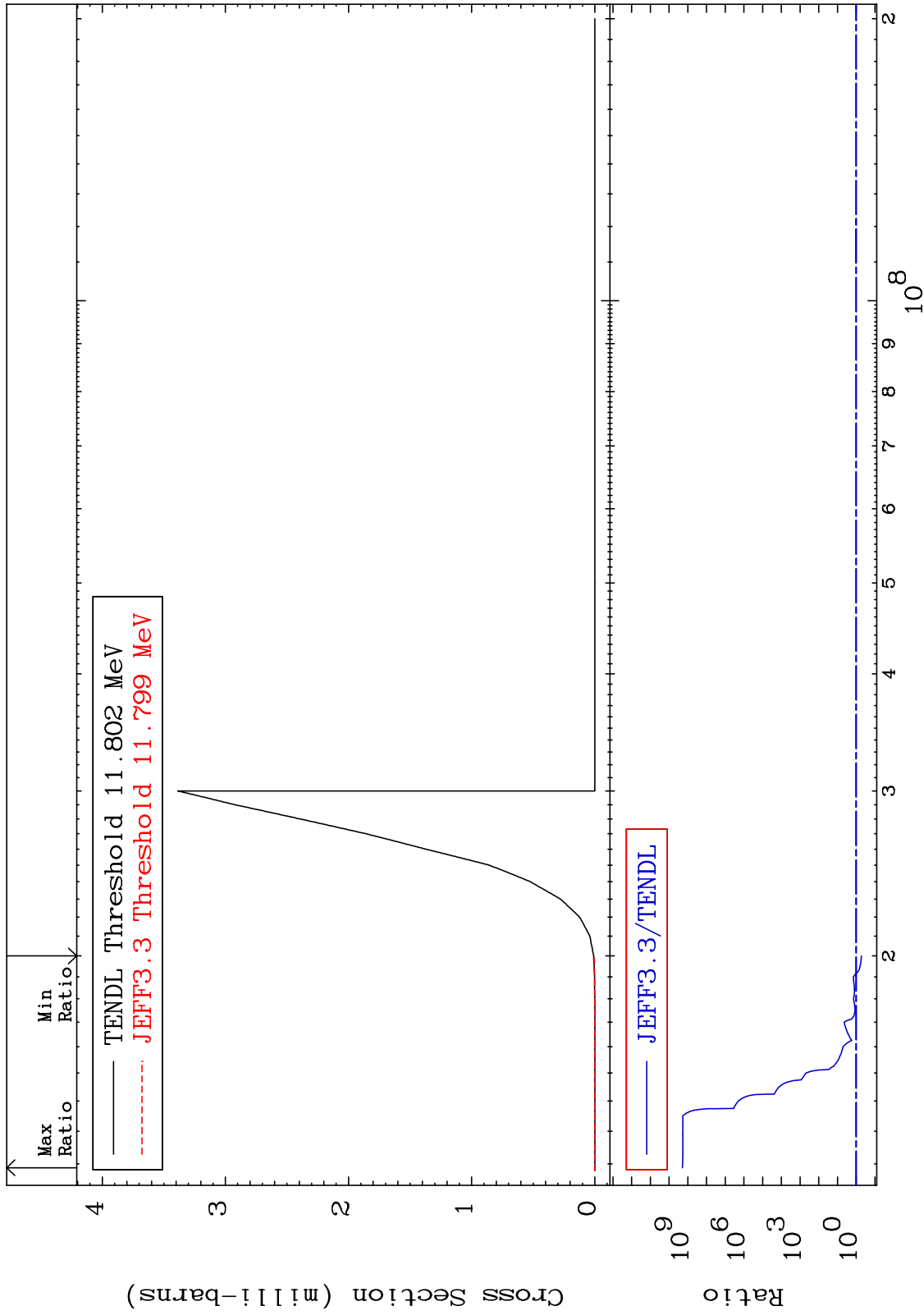
MAT 2725

(n, He-3)

27-Co-59

Cross Section

-47.83 To 9999. %

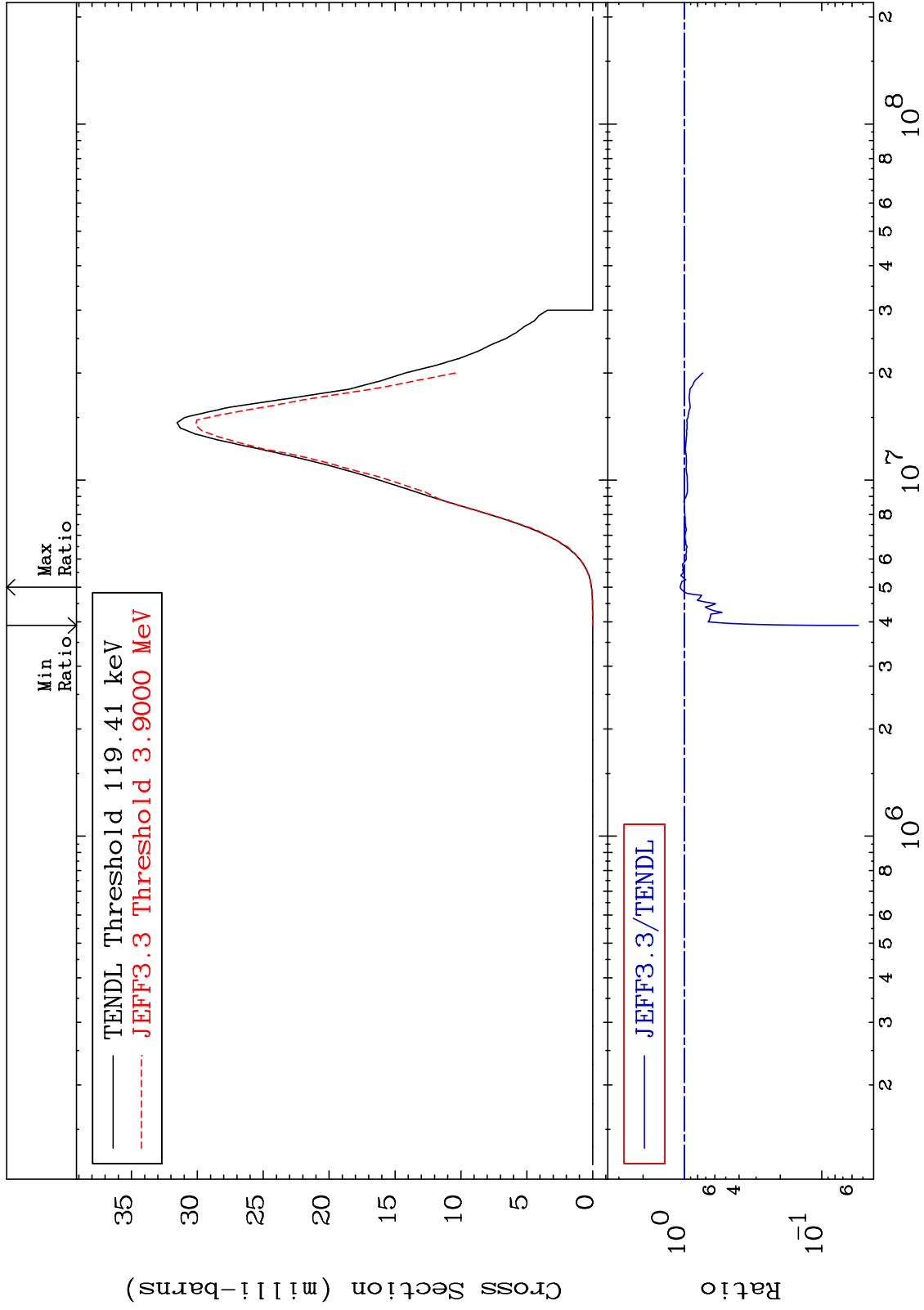


MAT 2725

27-Co-59

-94.60 To 7.594 %

(n,  $\alpha$ )  
Cross Section



27-Co-59

Incident Energy (eV)

34

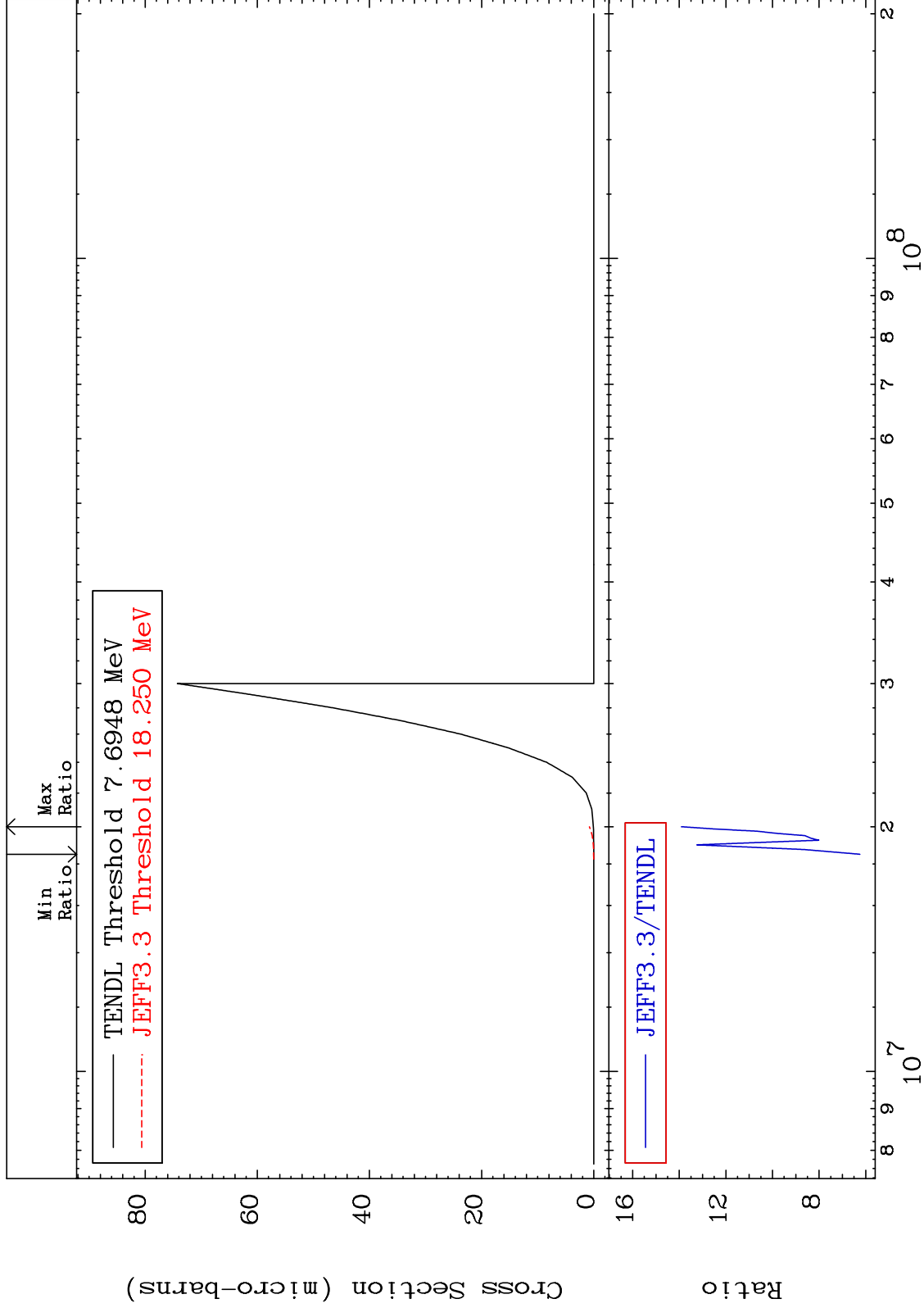
MAT 2725

(n, 2α)

27-Co-59

Cross Section

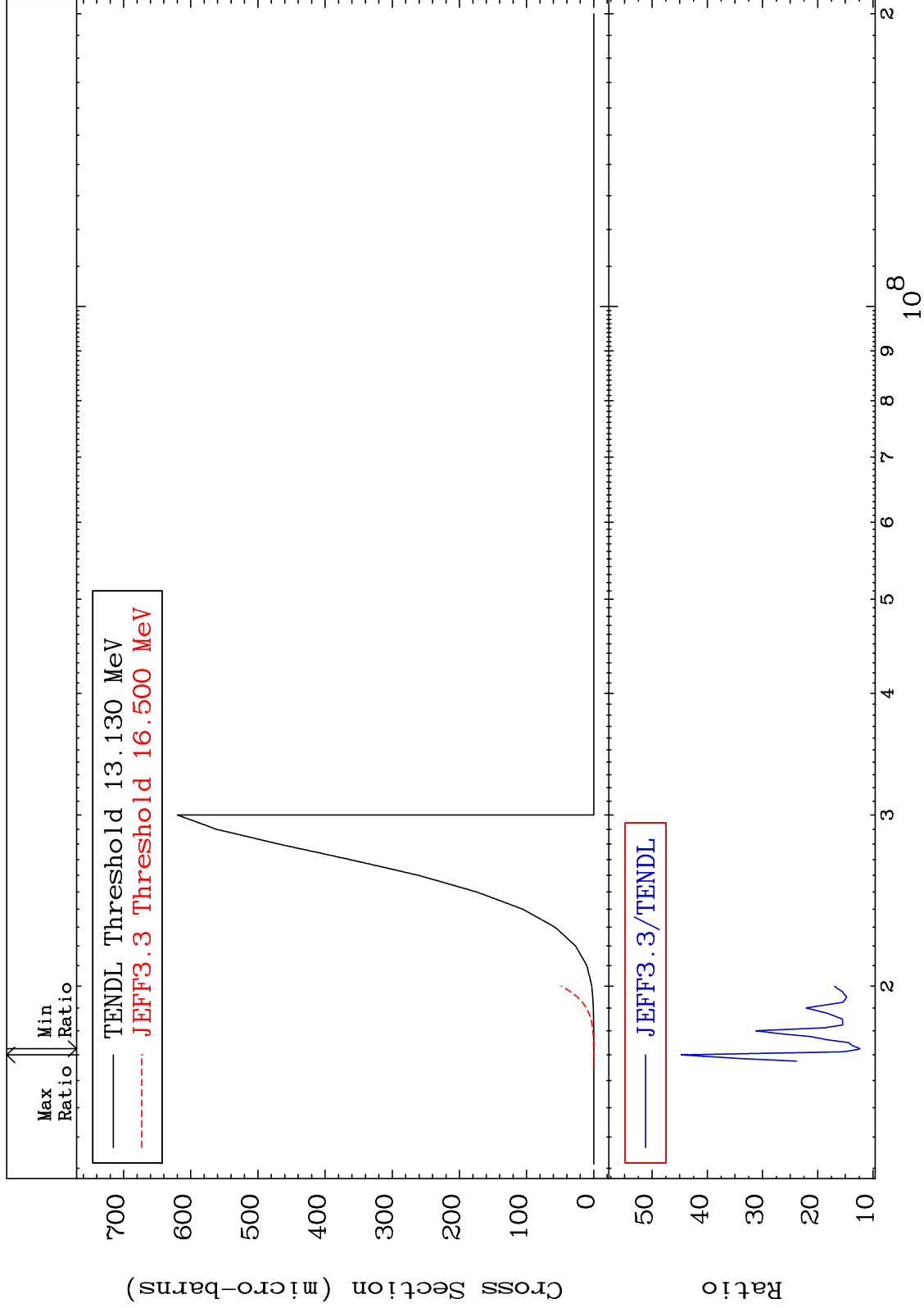
524.8 To 1292. %



MAT 2725

(n,2p)  
Cross Section

27-Co-59  
1136. To 4373. %



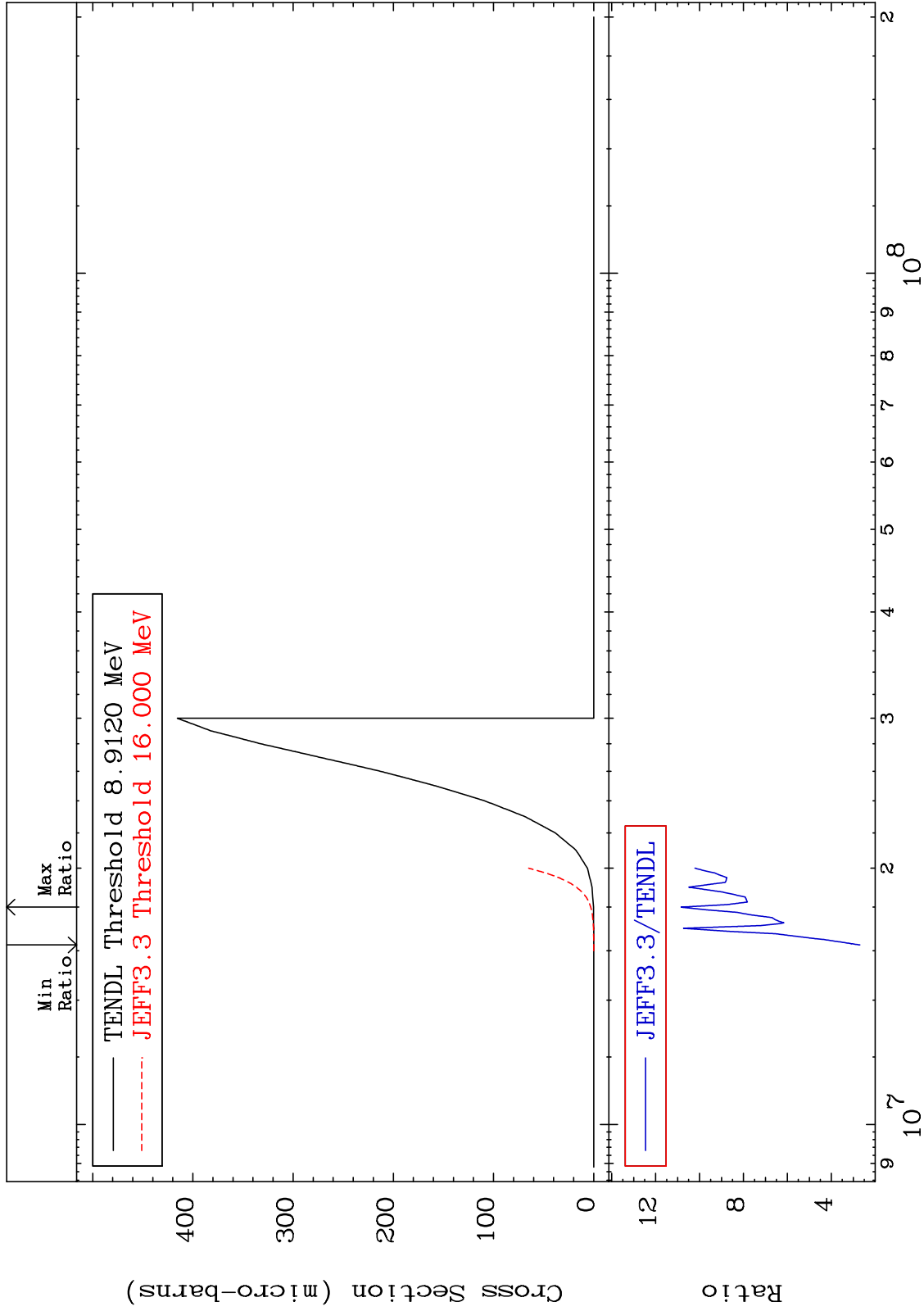
MAT 2725

(n,p)  $\alpha$

27-Co-59

Cross Section

169.6 To 983.6 %



37

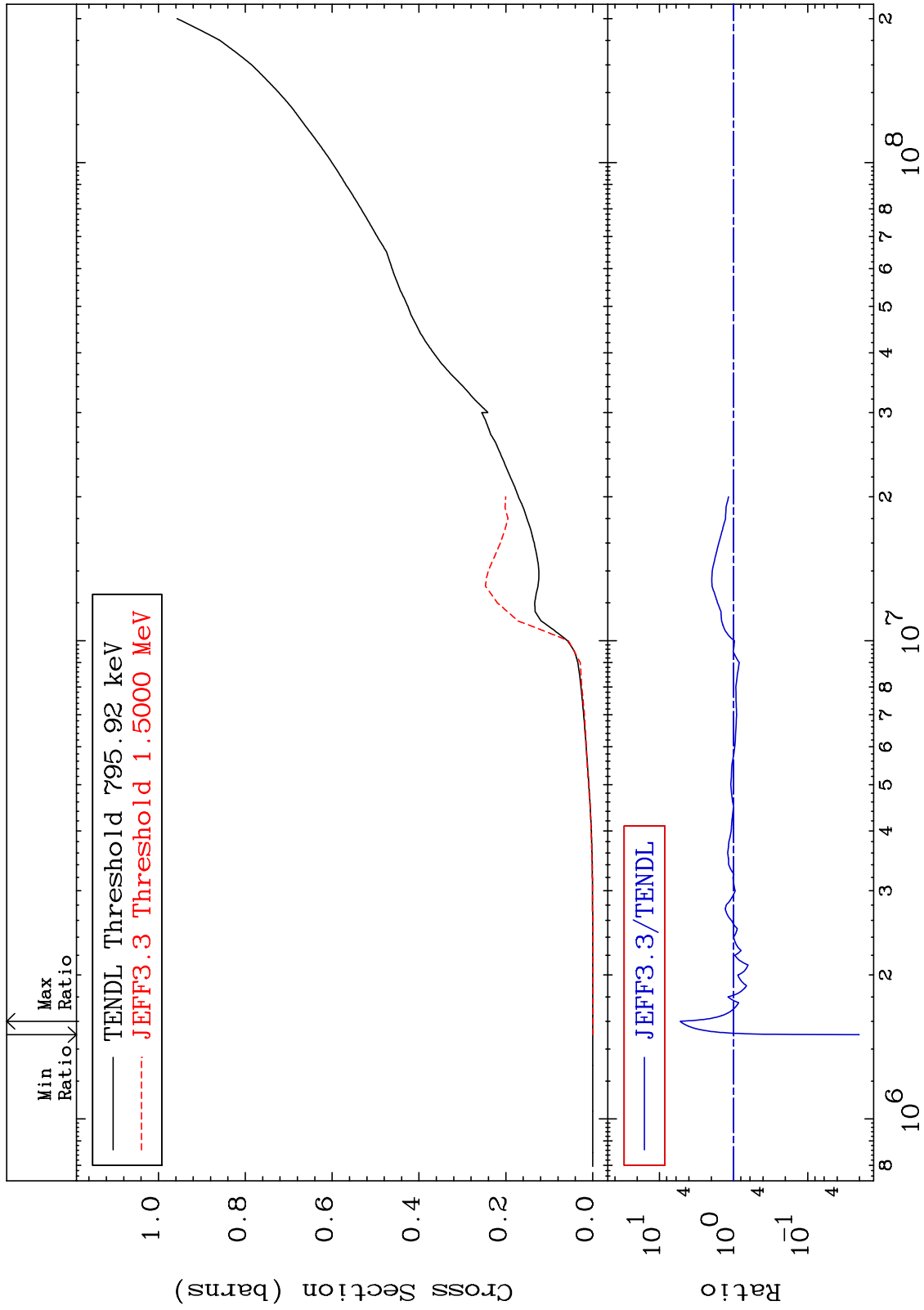
Incident Energy (eV)

27-Co-59

MAT 2725

### Hydrogen Production Cross Section

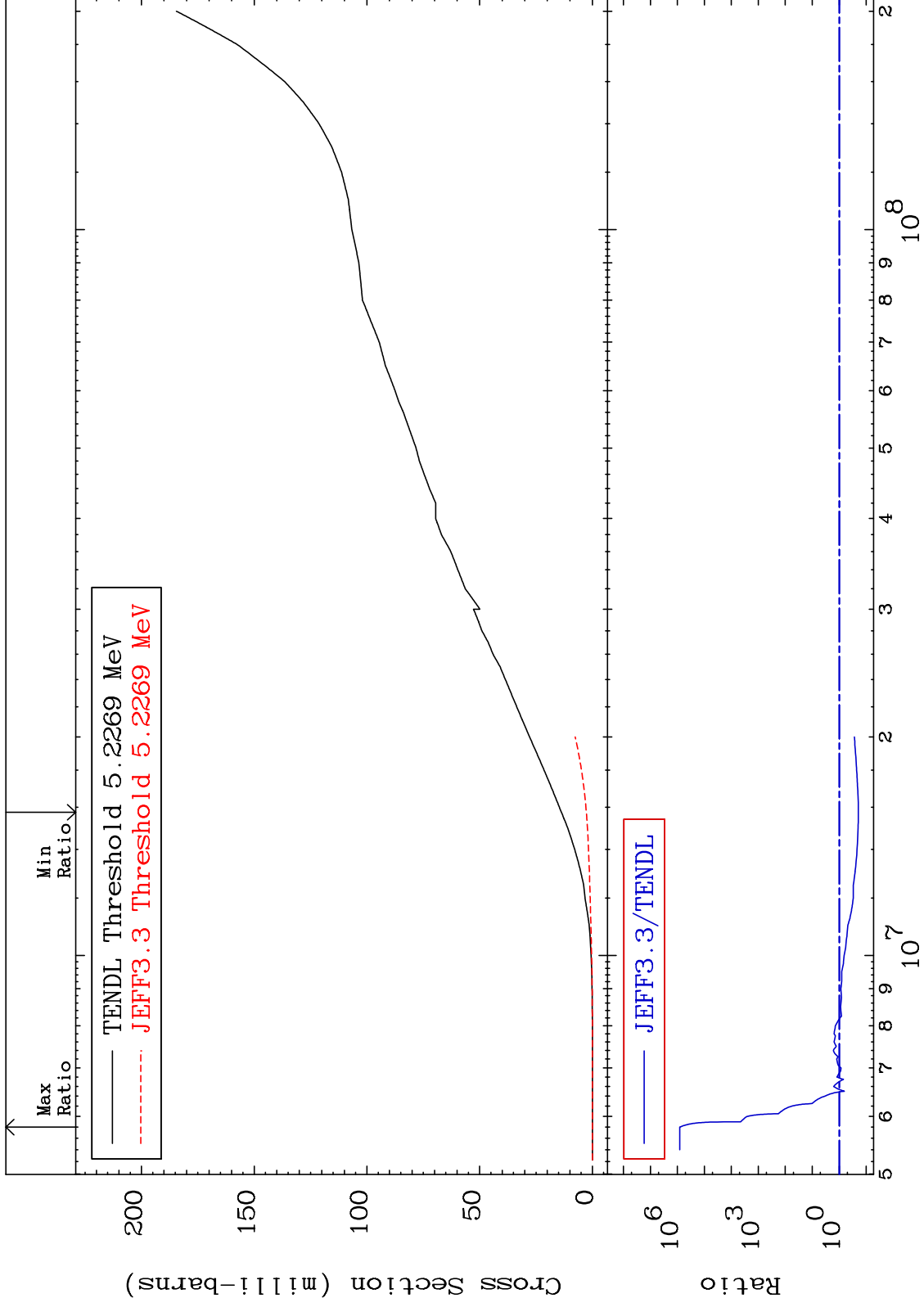
27-Co-59  
-97.93 To 428.4 %



MAT 2725

Deuterium Production  
Cross Section

27-Co-59  
-80.46 To 9999. %

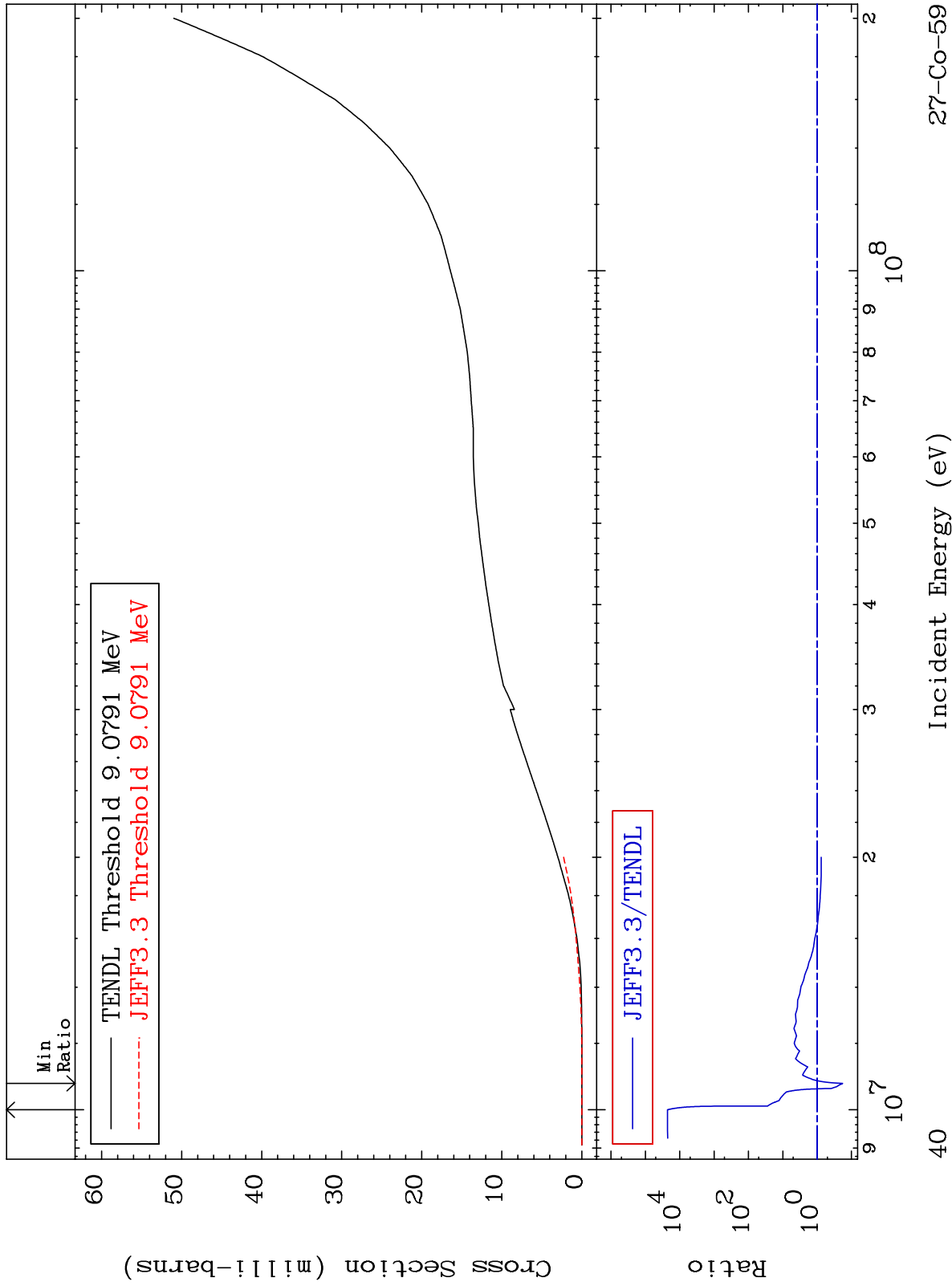




MAT 2725

Tritium Production  
Cross Section

<sup>27</sup>Co-59  
-81.93 To 9999. %

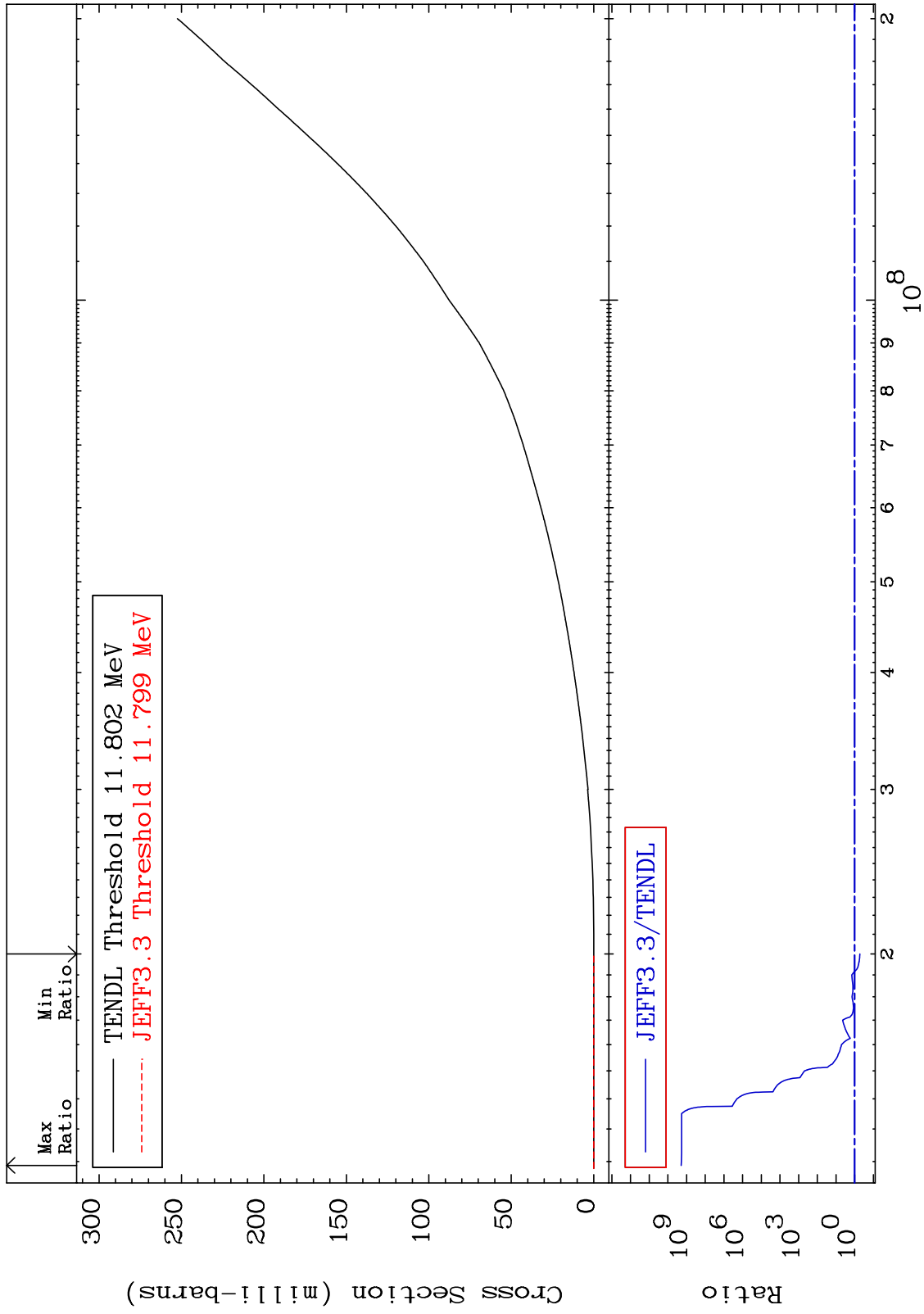


<sup>27</sup>Co-59

MAT 2725

He-3 Production  
Cross Section

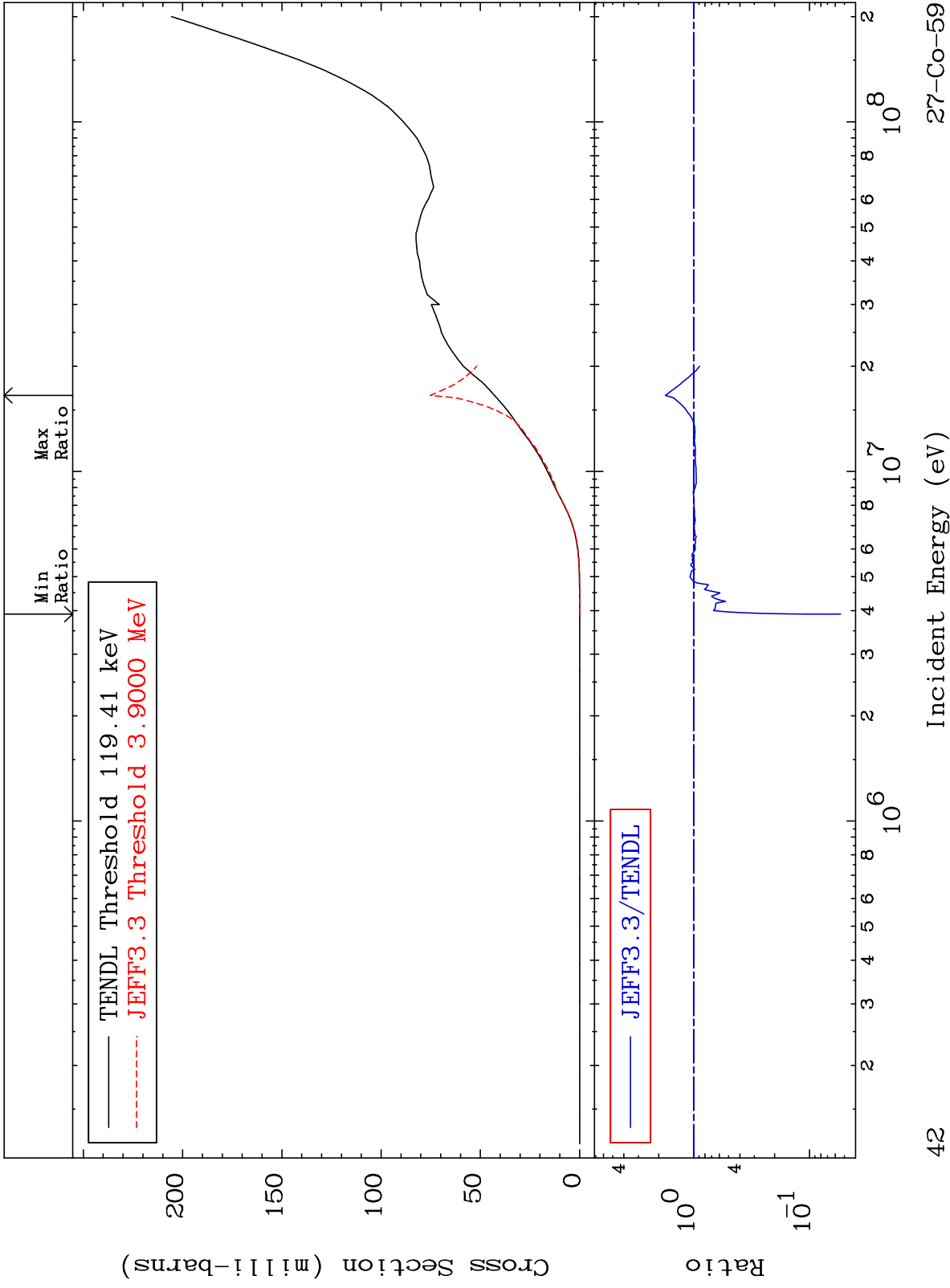
27-Co-59  
-47.83 To 9999. %



MAT 2725

He-4 Production  
Cross Section

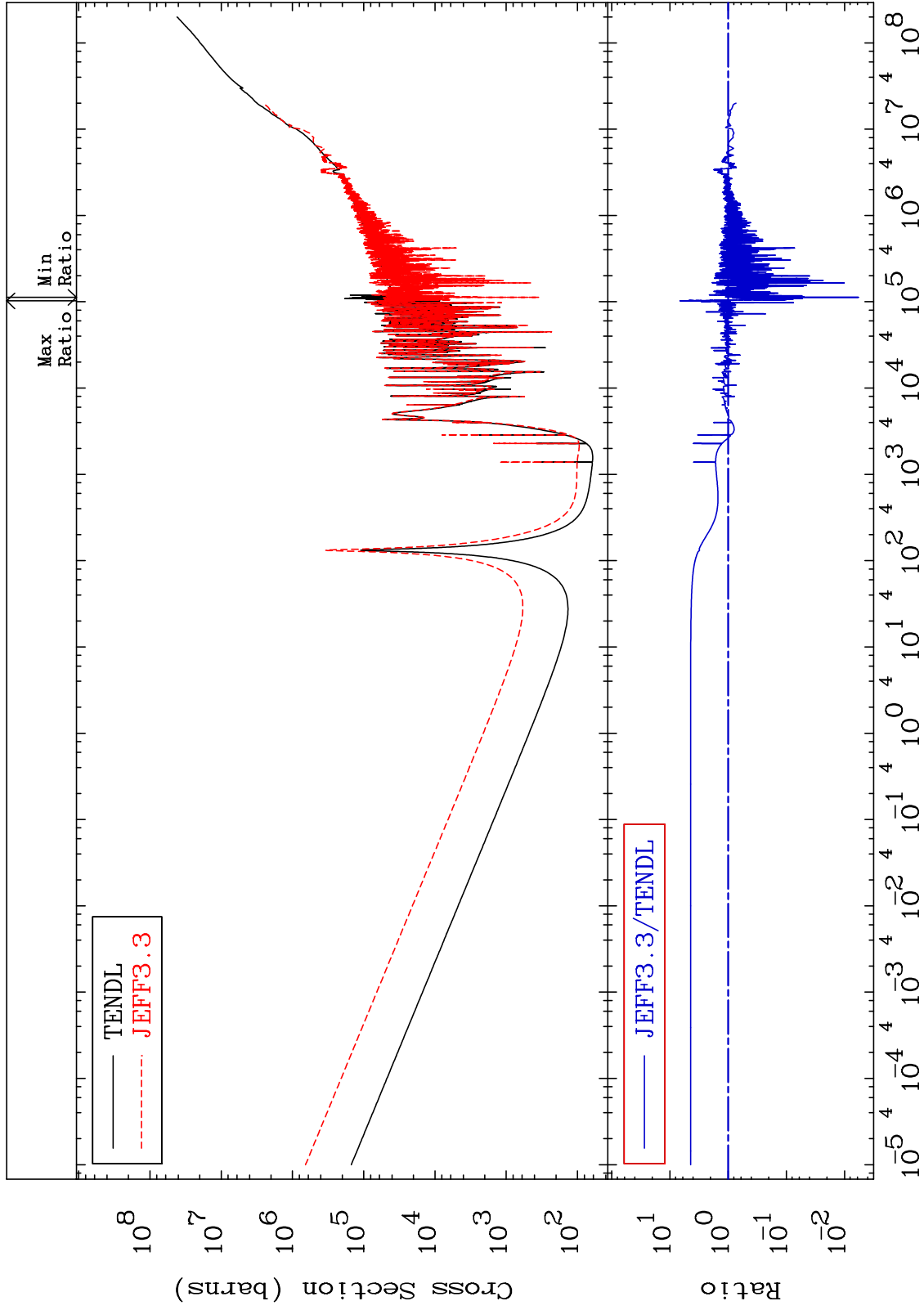
27-Co-59  
-94.60 To 75.29 %



MAT 2725

Kerma total (eV-barns)  
Cross Section

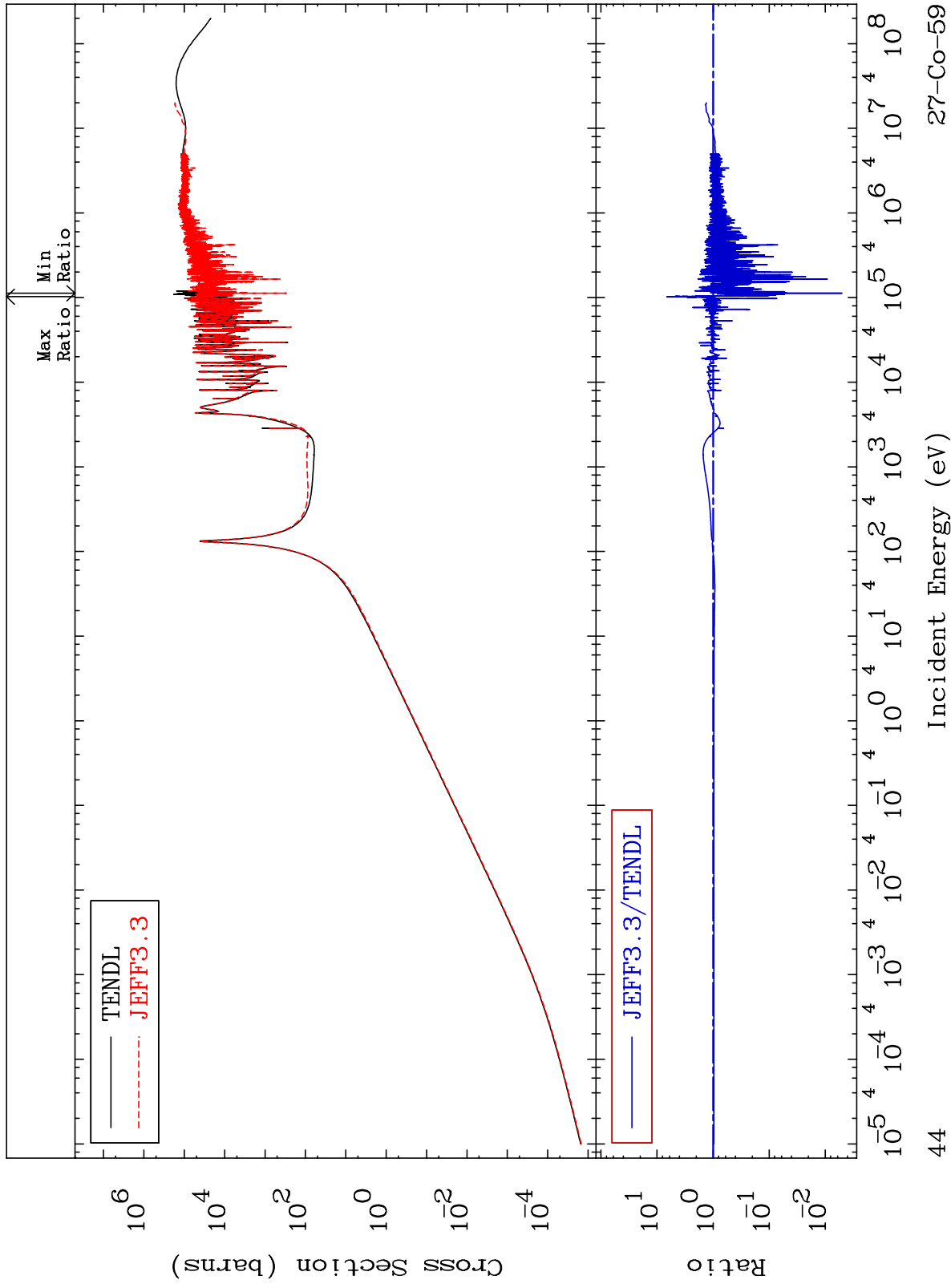
27-Co-59  
-99.42 To 568.8 %



MAT 2725

Kerma elastic  
Cross Section

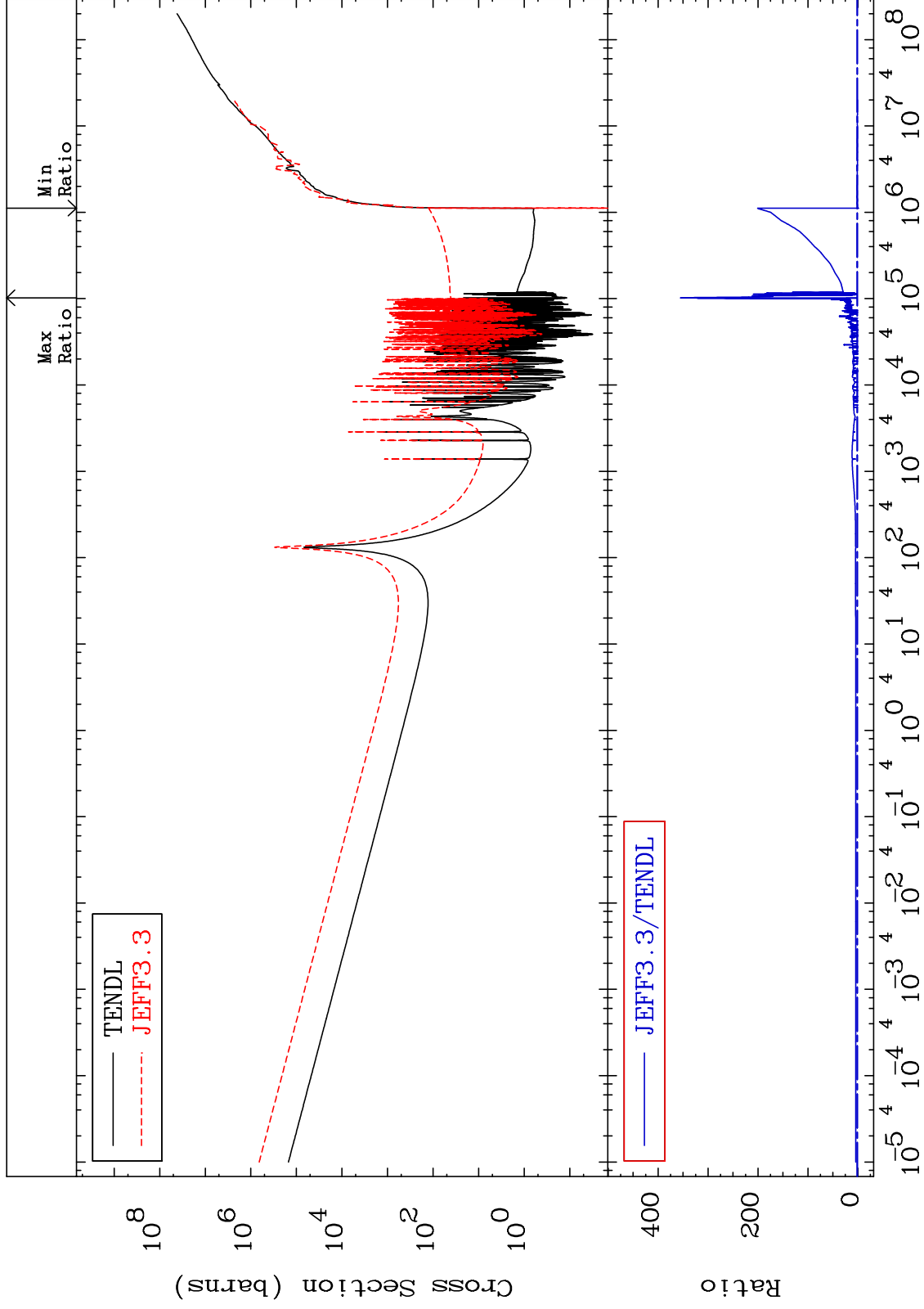
27-Co-59  
-99.49 To 568.4 %



MAT 2725

Kerma non-elastic (all but mt2)  
Cross Section

27-Co-59  
-210.1 To 9999. %



45

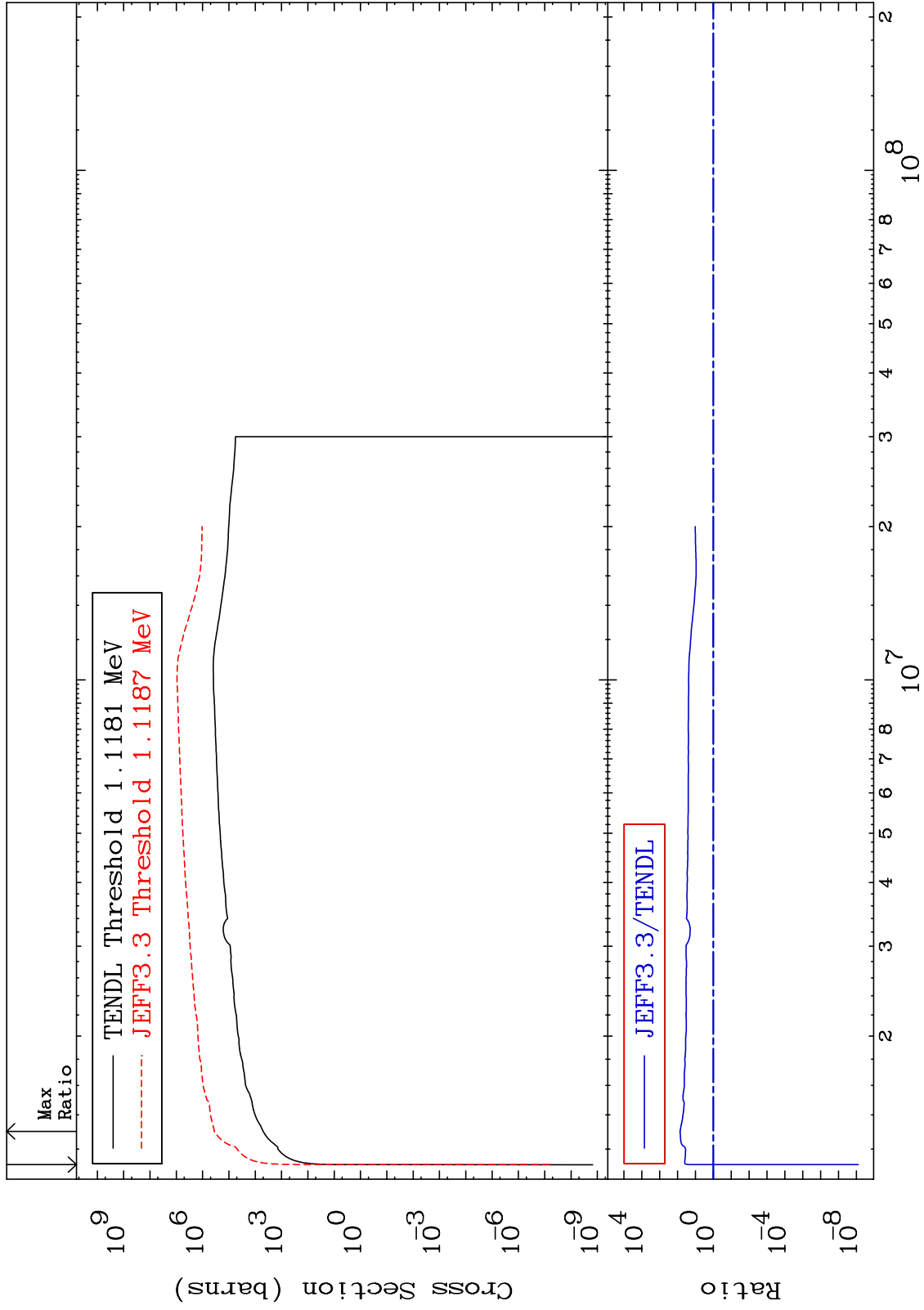
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma inelastic (mt51-91)  
Cross Section

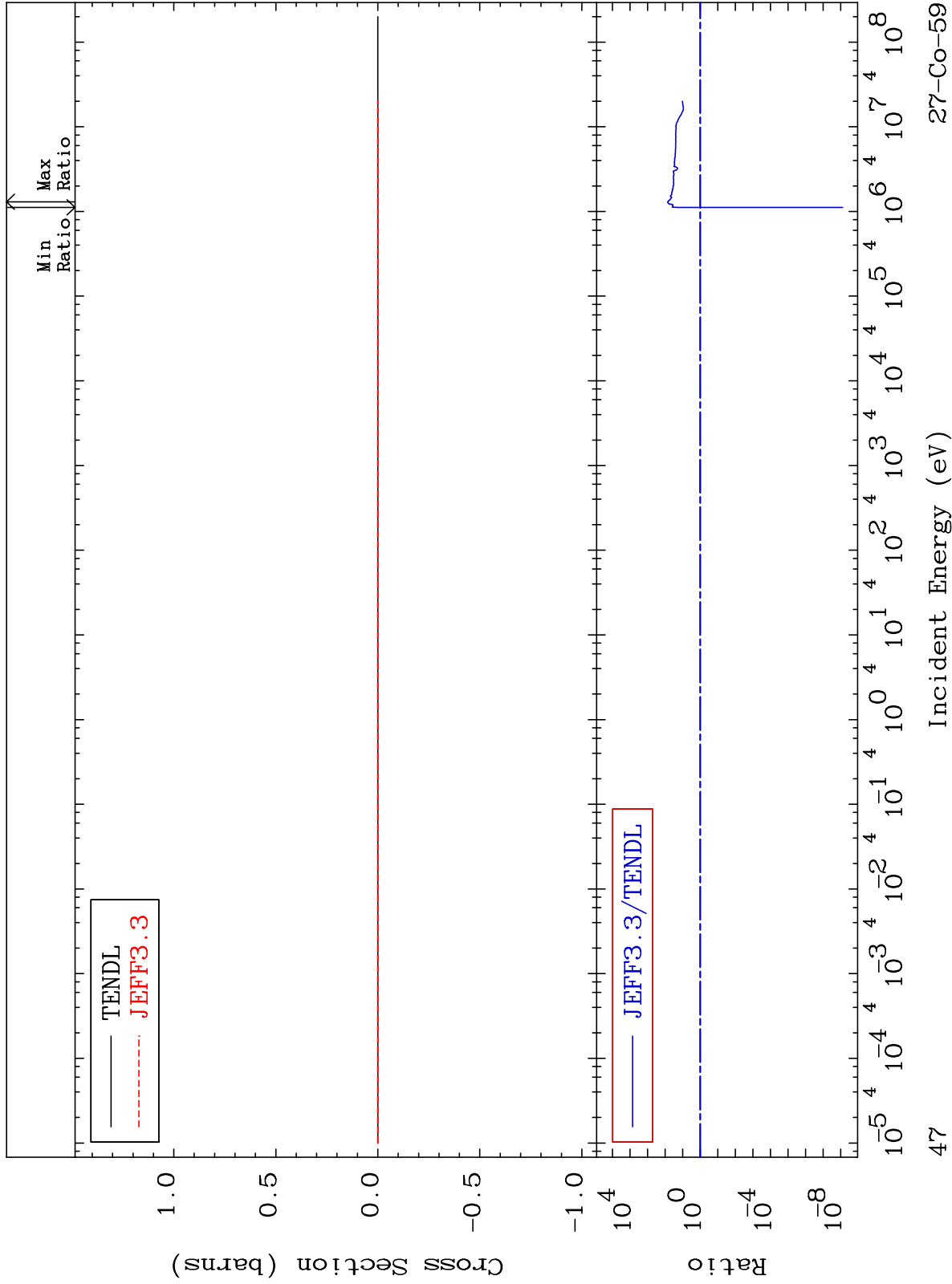
27-Co-59  
-100.0 To 7121. %



MAT 2725

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

27-Co-59  
-100.0 To 7121. %

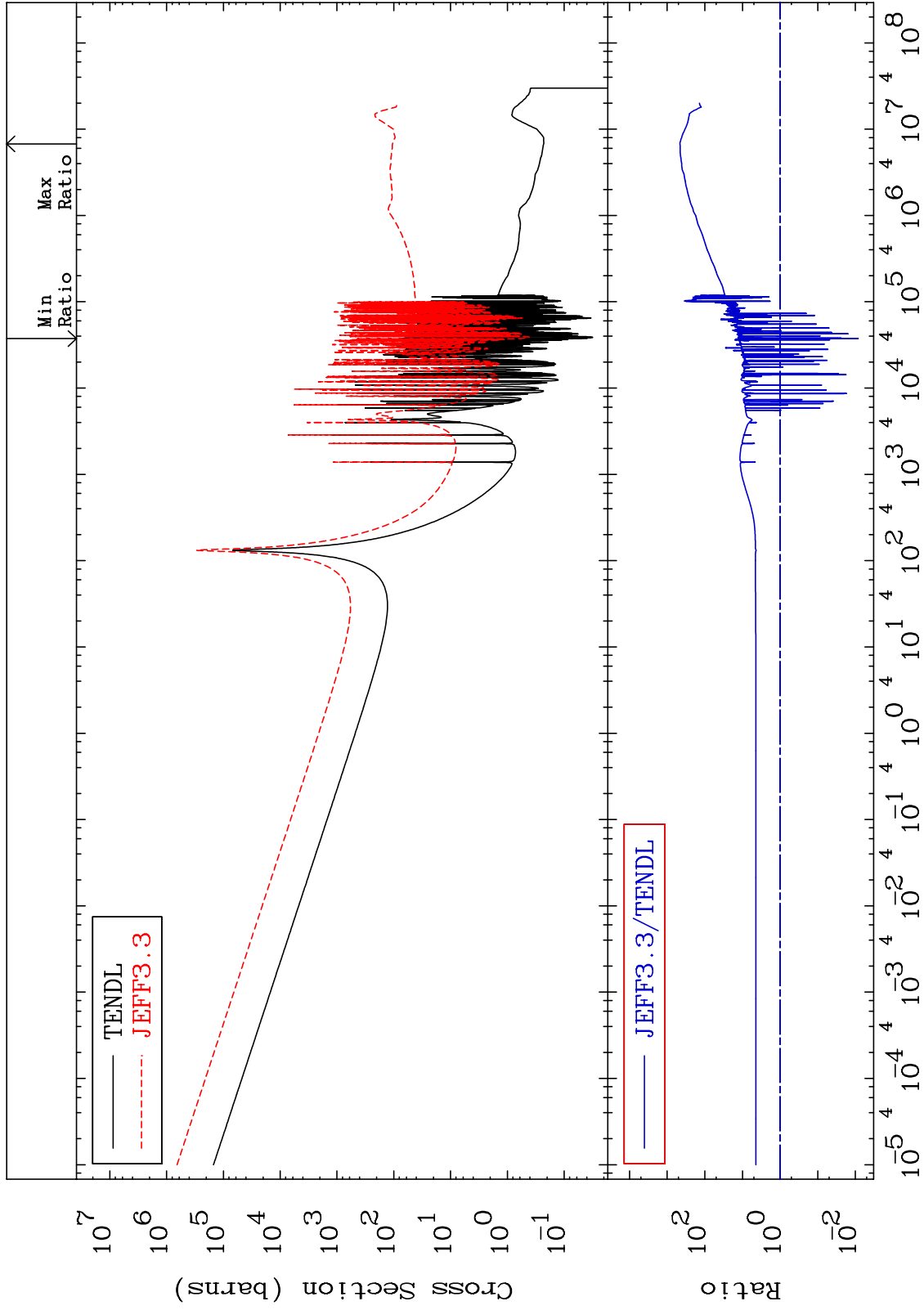




MAT 2725

Kerma capture (mt102)  
Cross Section

27-Co-59  
-99.17 To 9999. %



48

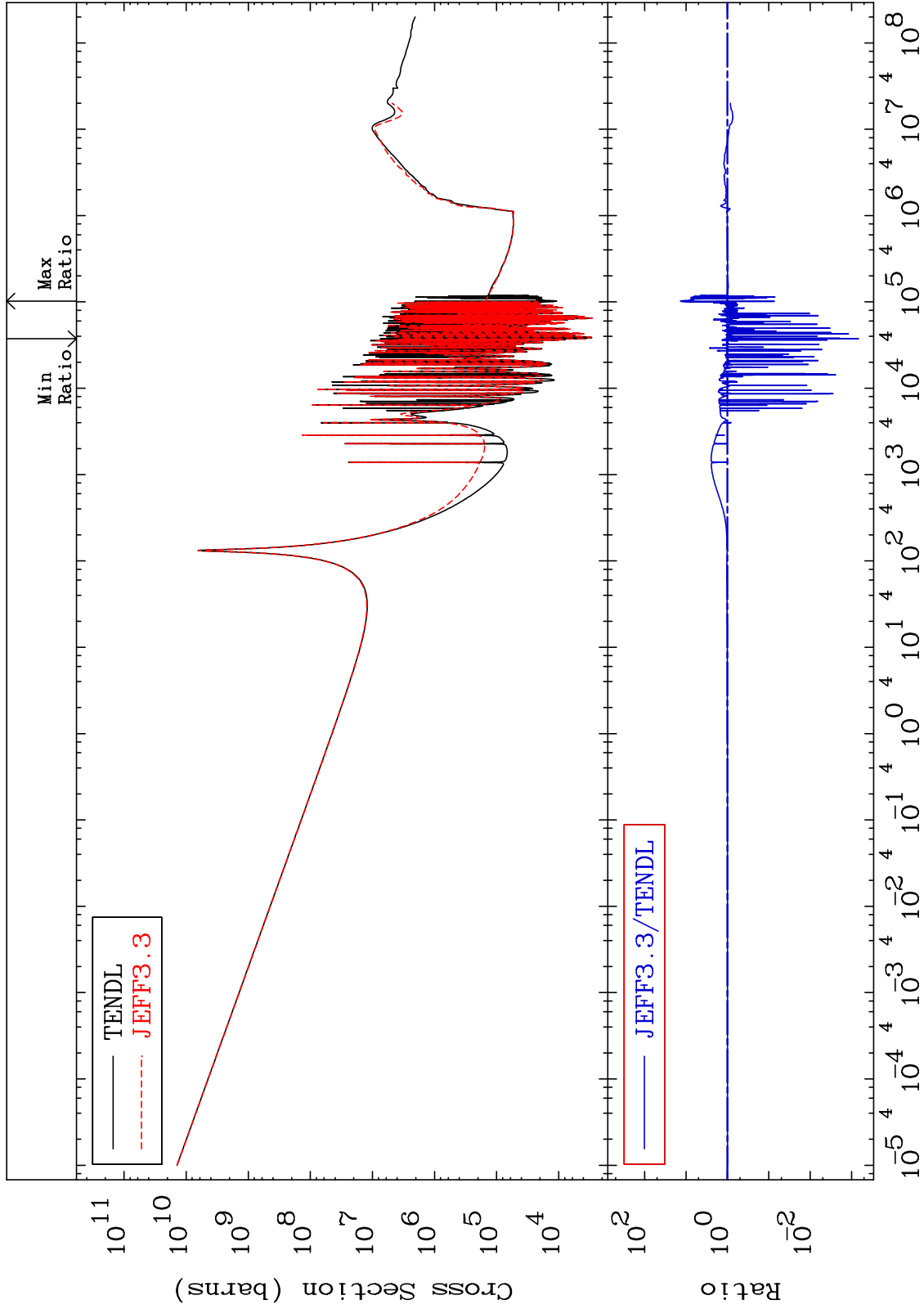
Incident Energy (eV)

27-Co-59

MAT 2725

Total photon (eV-barns)  
Cross Section

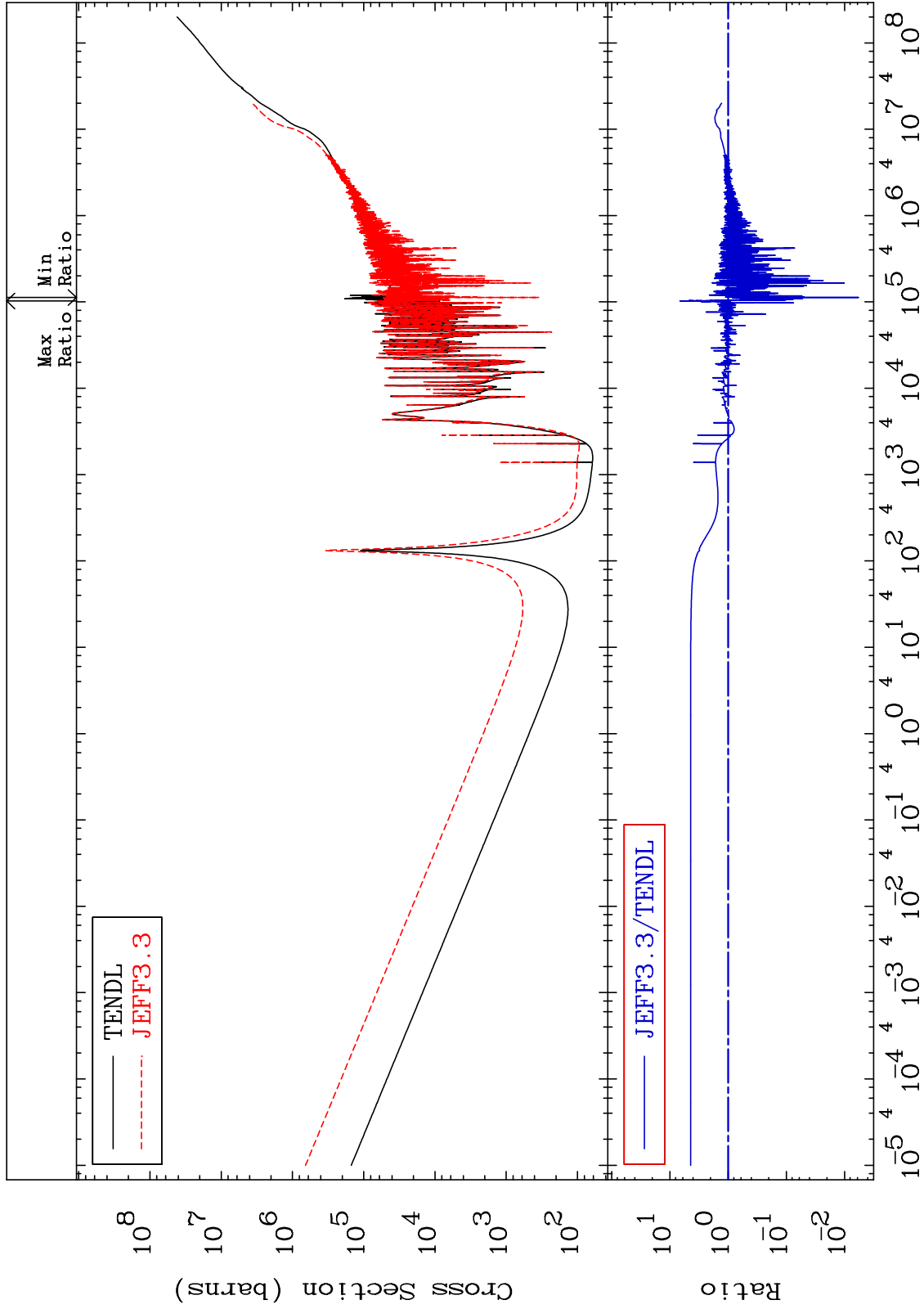
27-Co-59  
-99.93 To 1291. %



MAT 2725

Total kinematic kerma (high limit)  
Cross Section

27-Co-59  
-99.42 To 568.8 %



50

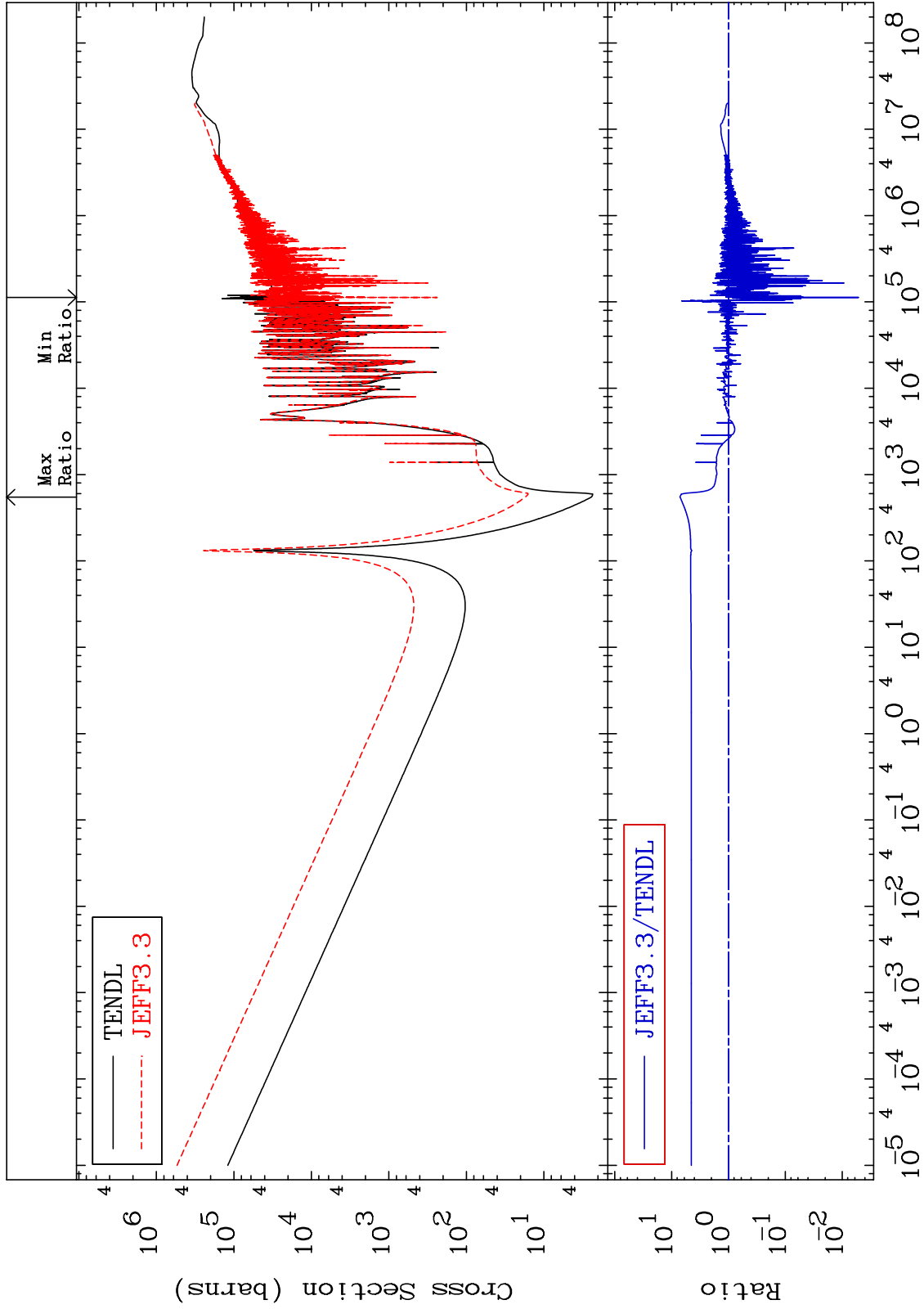
Incident Energy (eV)

27-Co-59

MAT 2725

Dpa total (eV-barns)  
Cross Section

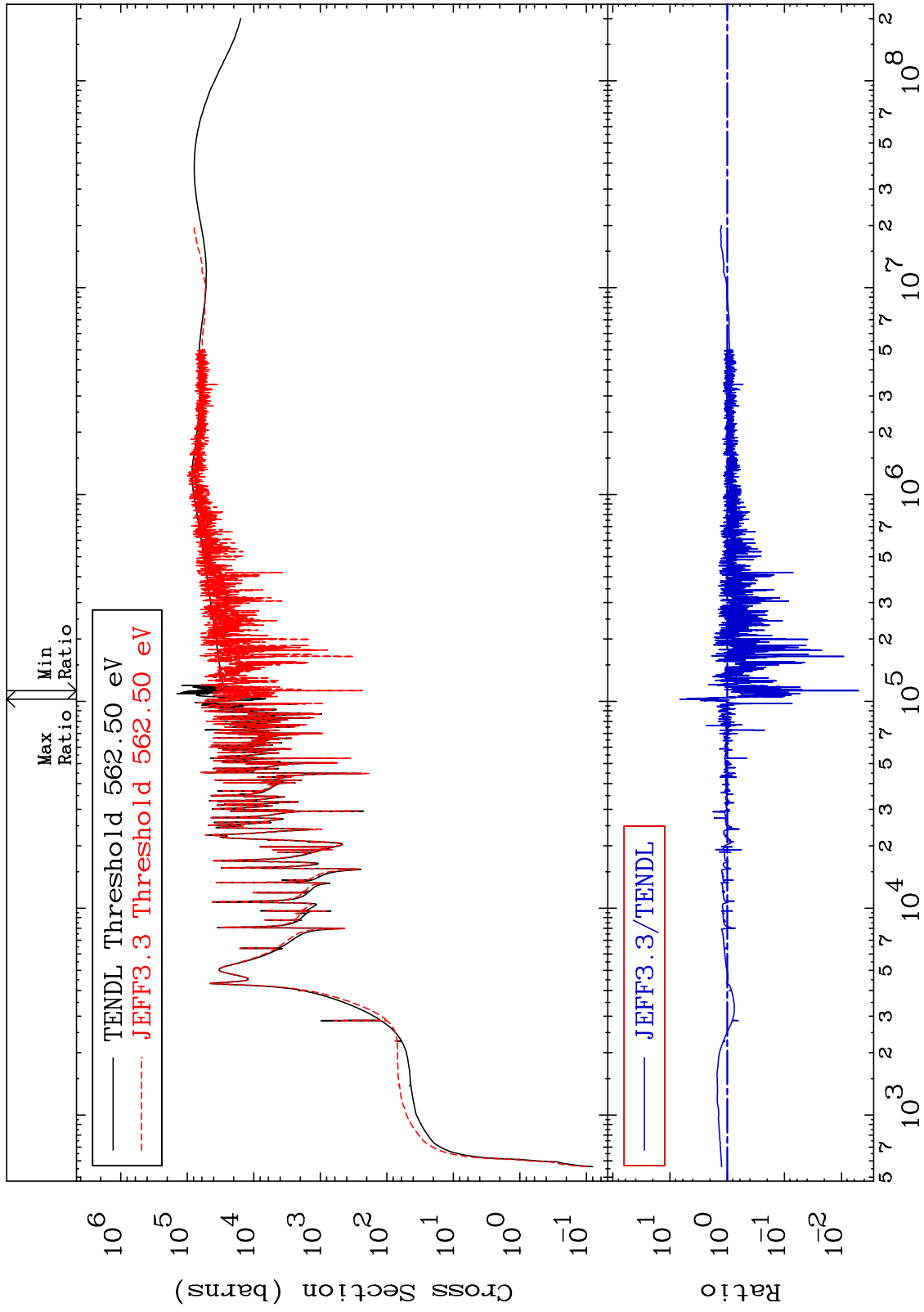
27-Co-59  
-99.48 To 613.6 %



MAT 2725

Dpa elastic (mt2)  
Cross Section

27-Co-59  
-99.49 To 568.4 %



52

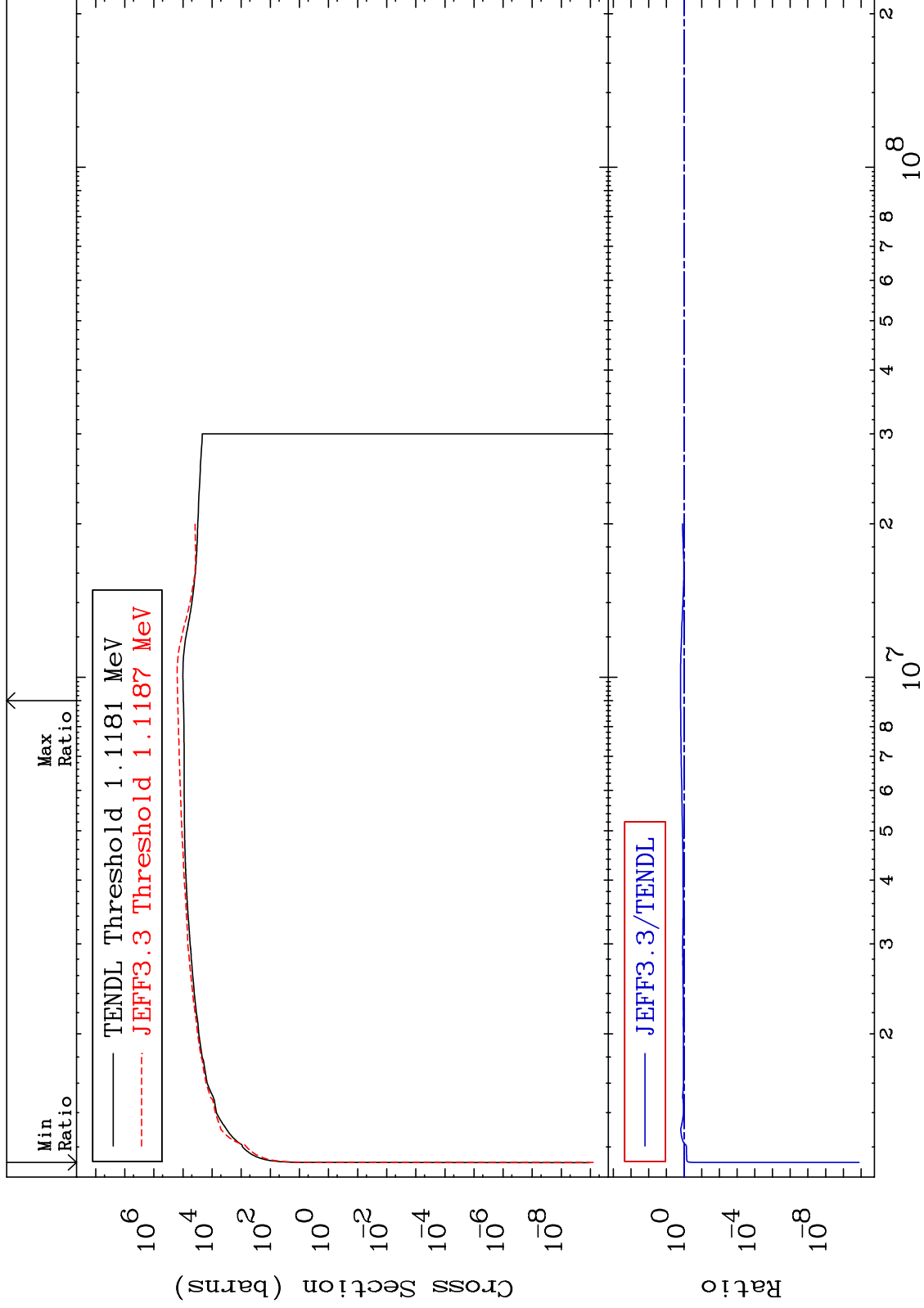
Incident Energy (eV)

27-Co-59

MAT 2725

Dpa inelastic (mt51-91)  
Cross Section

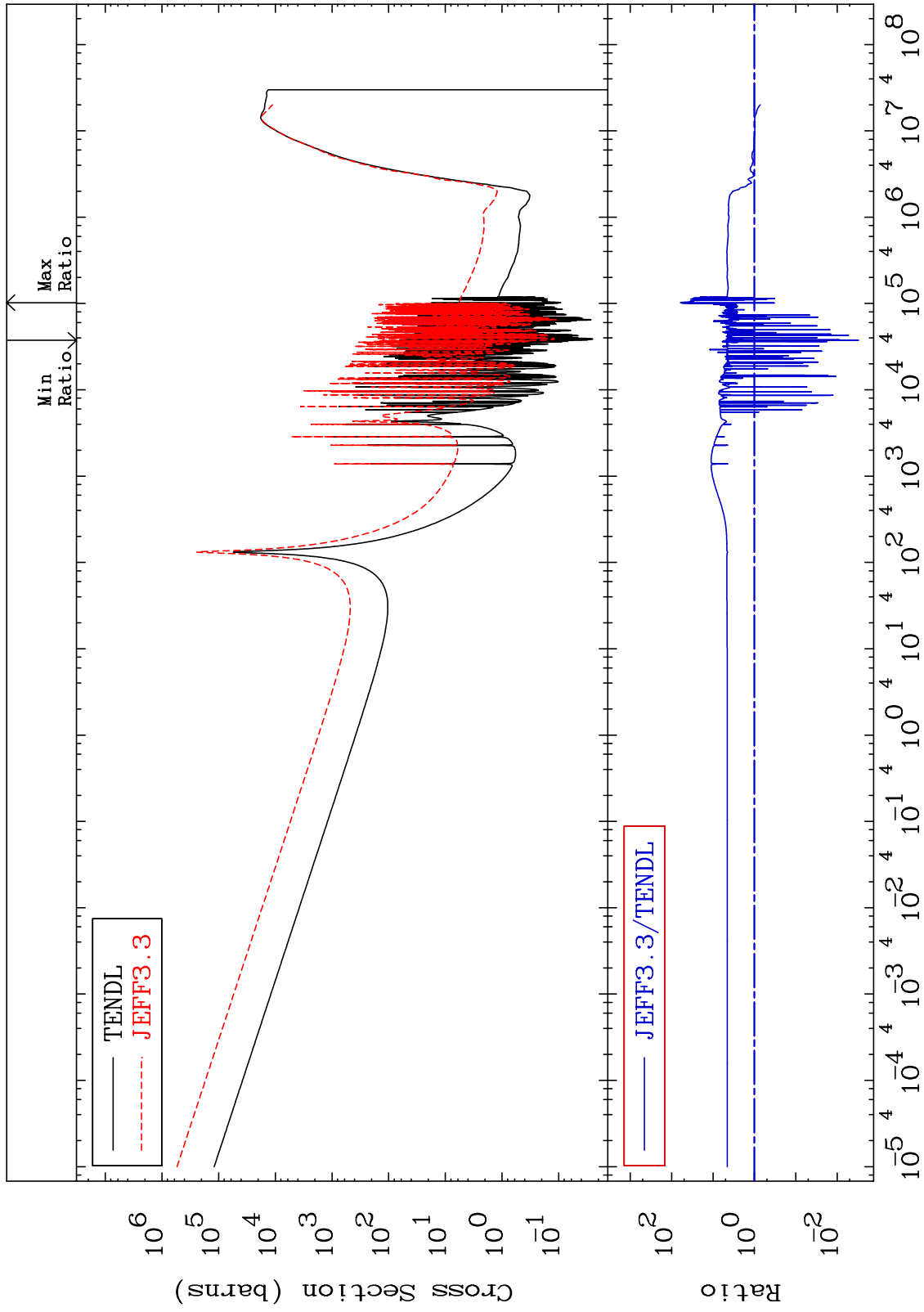
27-Co-59  
-100.0 To 57.33 %



MAT 2725

Dpa disappearance (mt102 -120)  
Cross Section

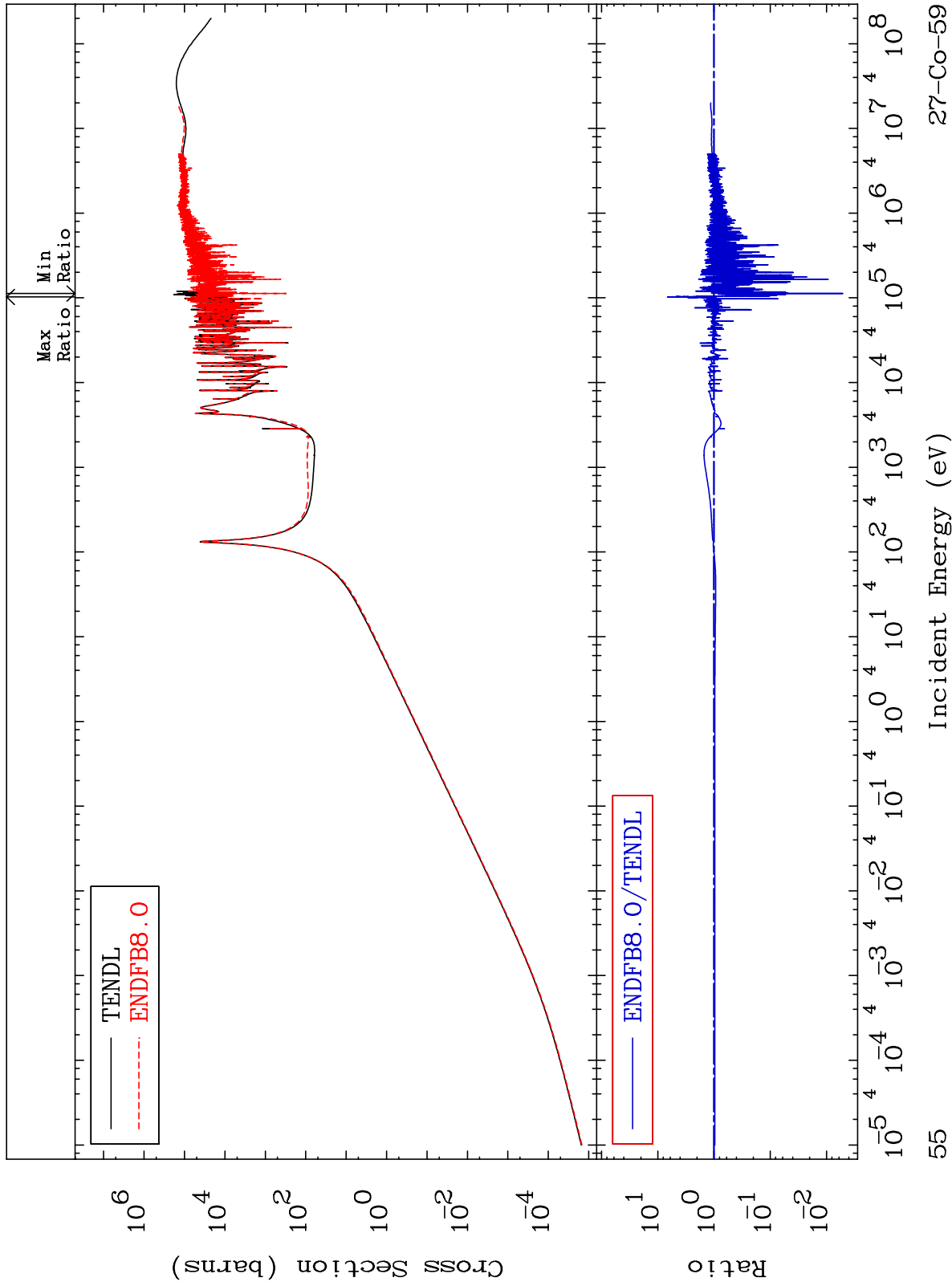
27-Co-59  
-99.69 To 6179. %



MAT 2725

Kerma elastic  
Cross Section

27-Co-59  
-99.48 To 569.9 %



55

Incident Energy (eV)

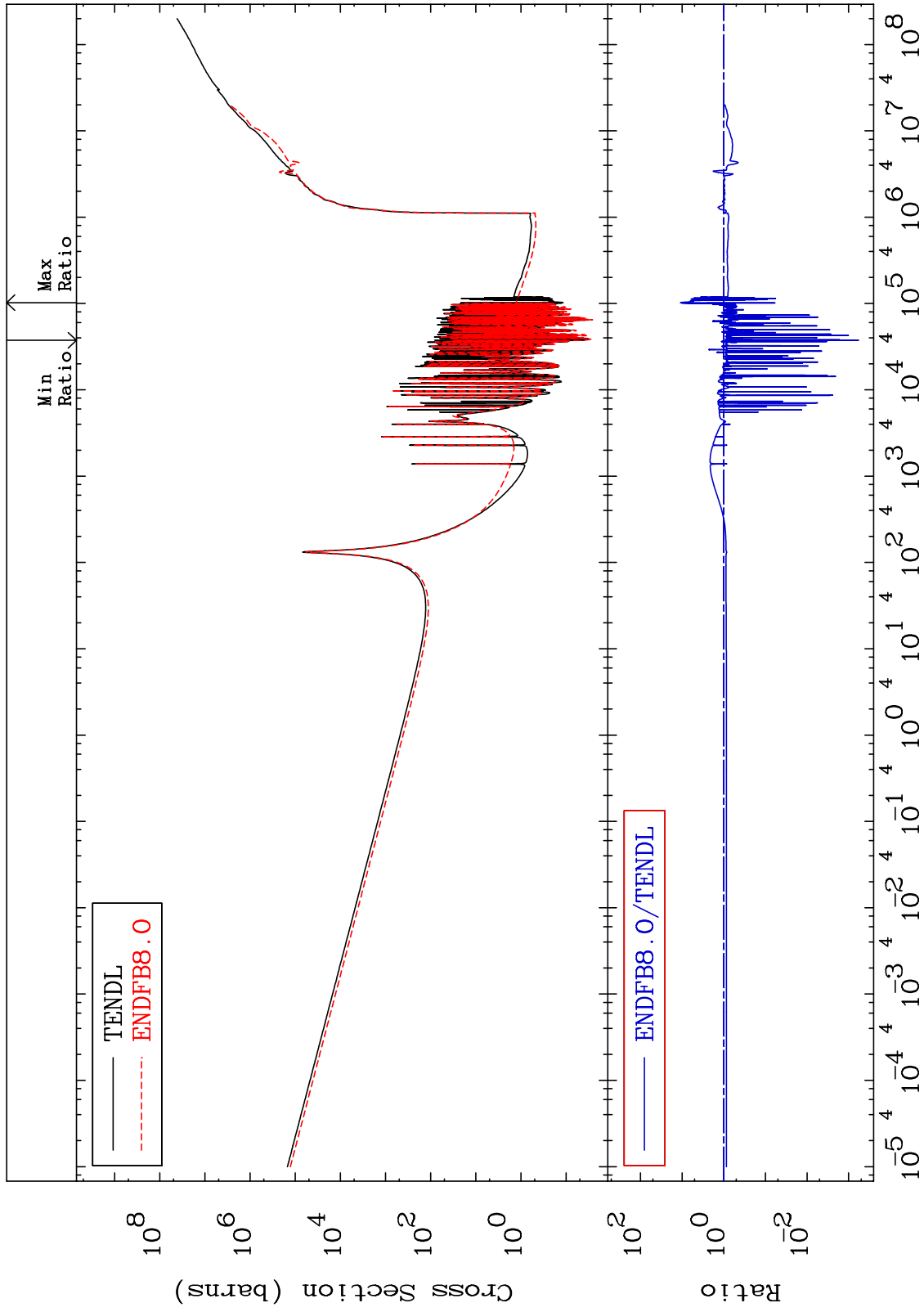
27-Co-59



MAT 2725

Kerma non-elastic (all but mt2)  
Cross Section

27-Co-59  
-99.94 To 1021. %



56

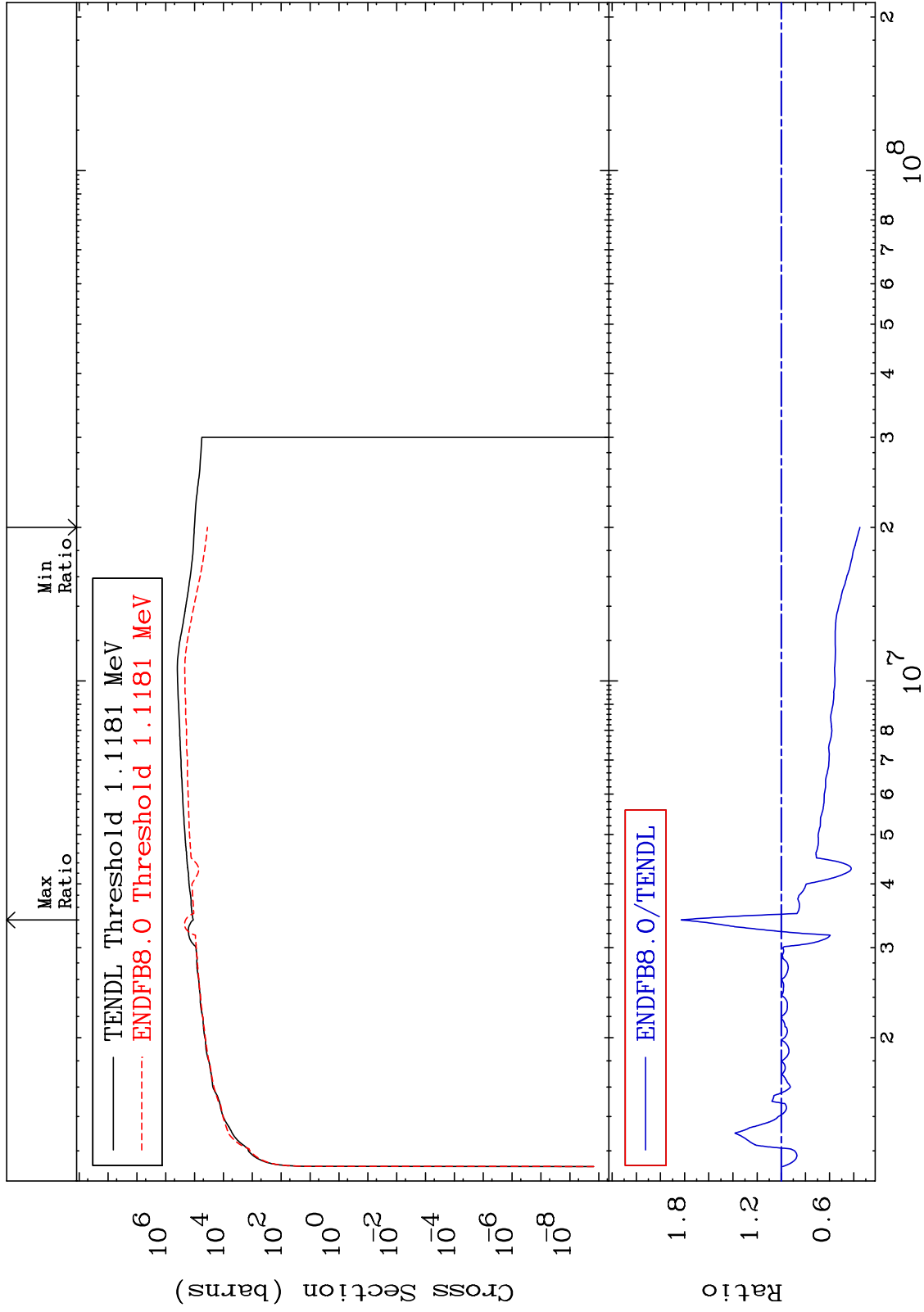
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma inelastic (mt51-91)  
Cross Section

27-Co-59  
-65.12 To 82.80 %



57

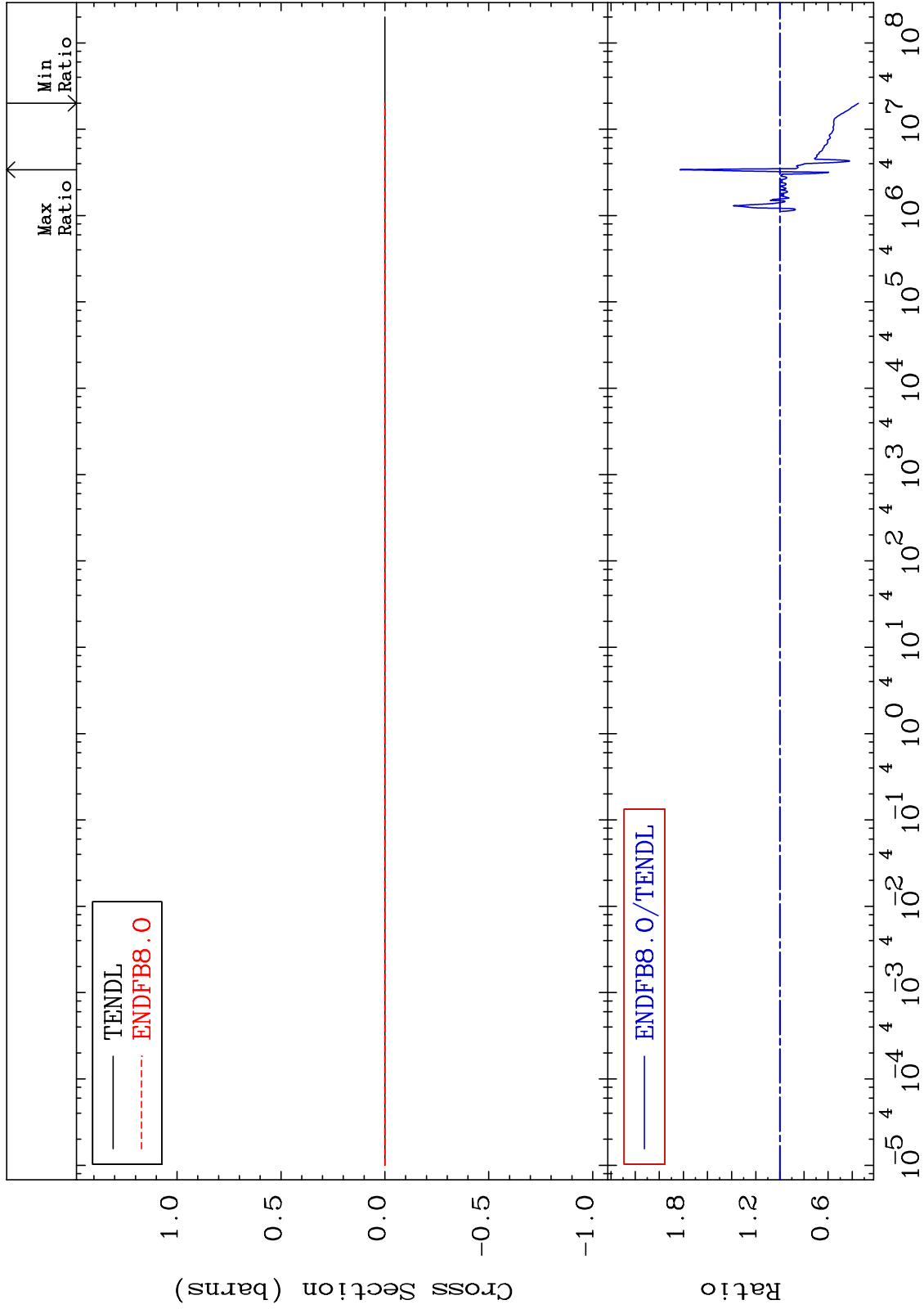
Incident Energy (eV)

27-Co-59

MAT 2725

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

27-Co-59  
-65.12 To 82.80 %



58

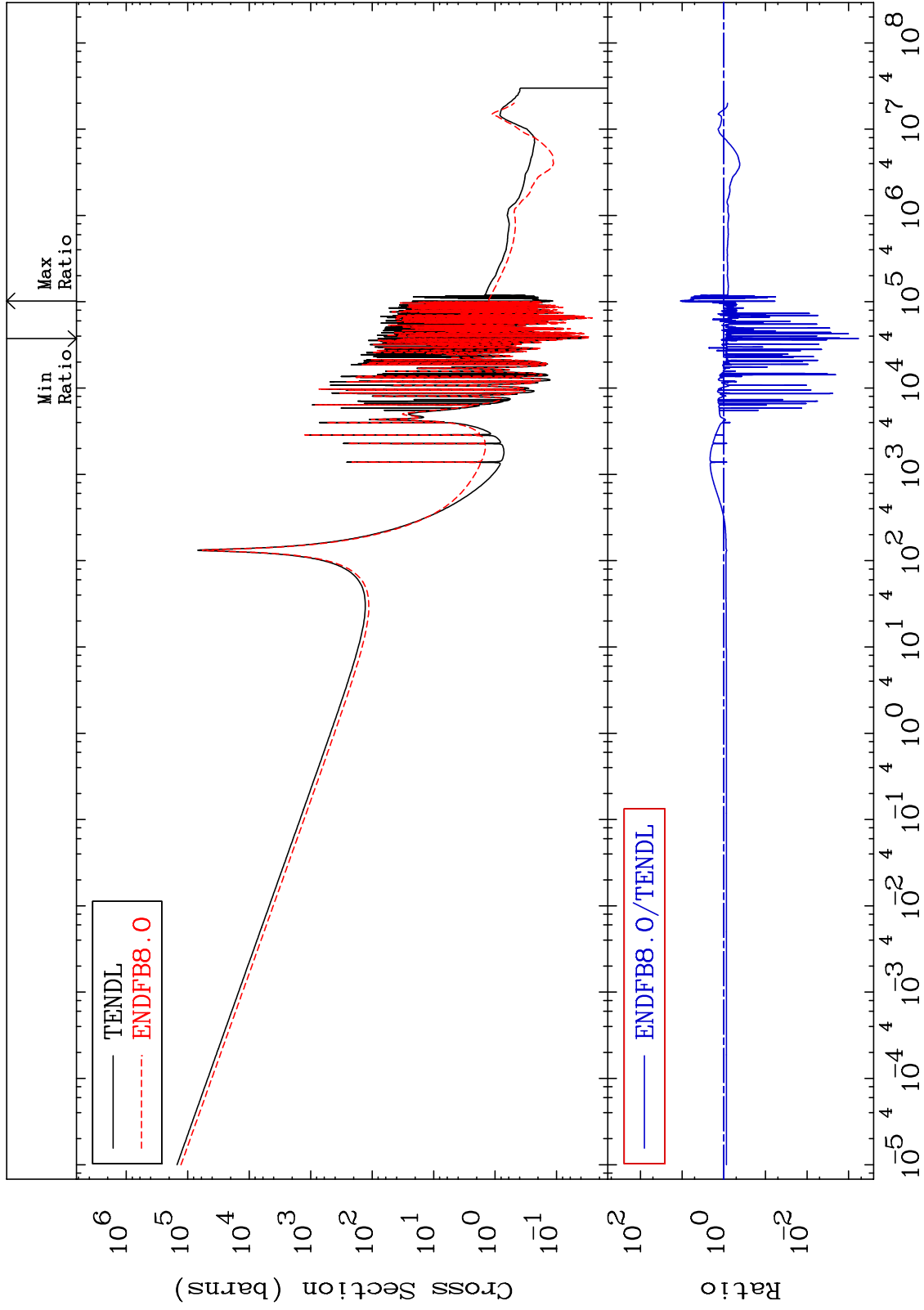
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma capture (mt102)  
Cross Section

27-Co-59  
-99.94 To 1021. %



59

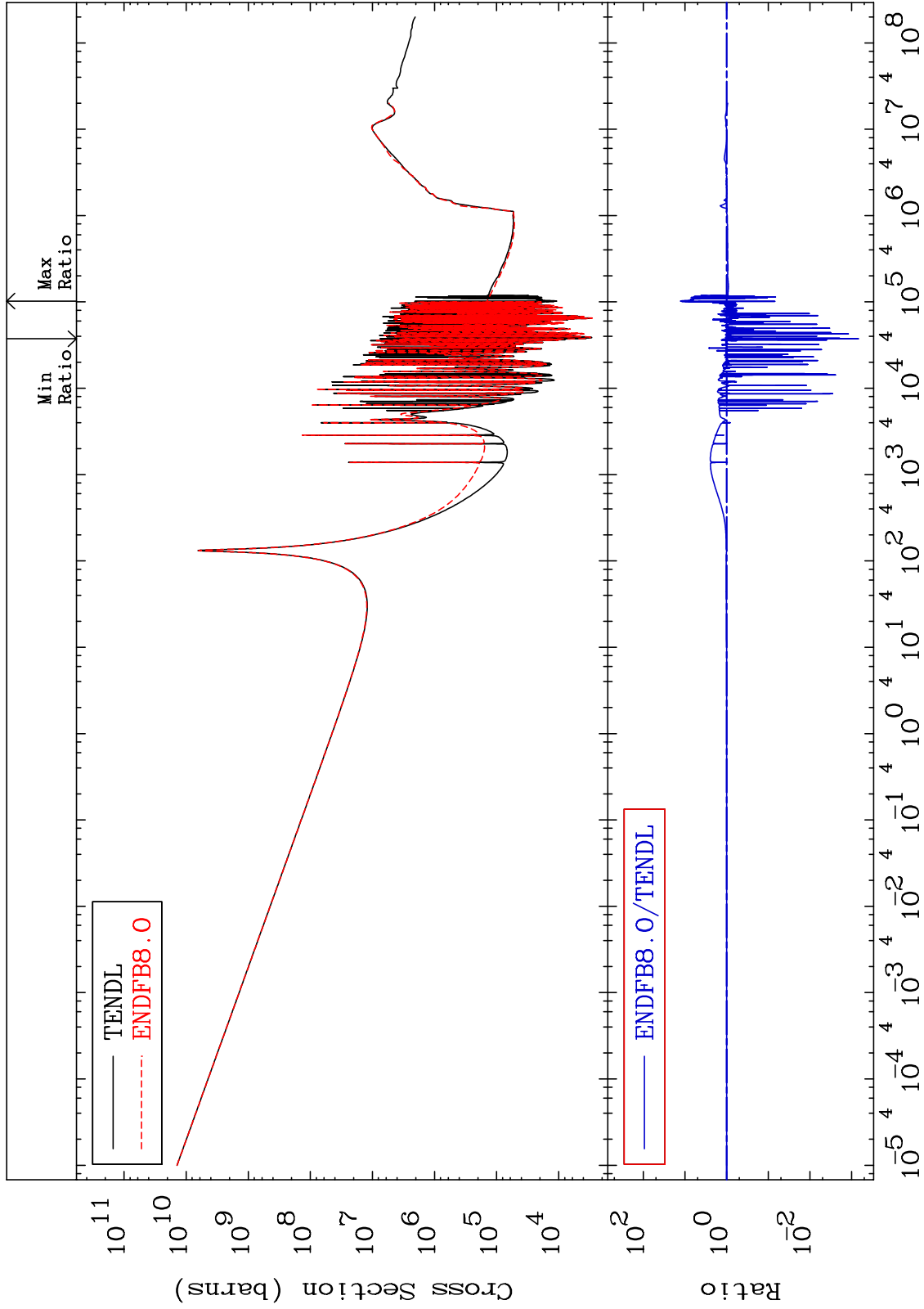
Incident Energy (eV)

27-Co-59

MAT 2725

Total photon (eV-barns)  
Cross Section

27-Co-59  
-99.93 To 1217. %



60

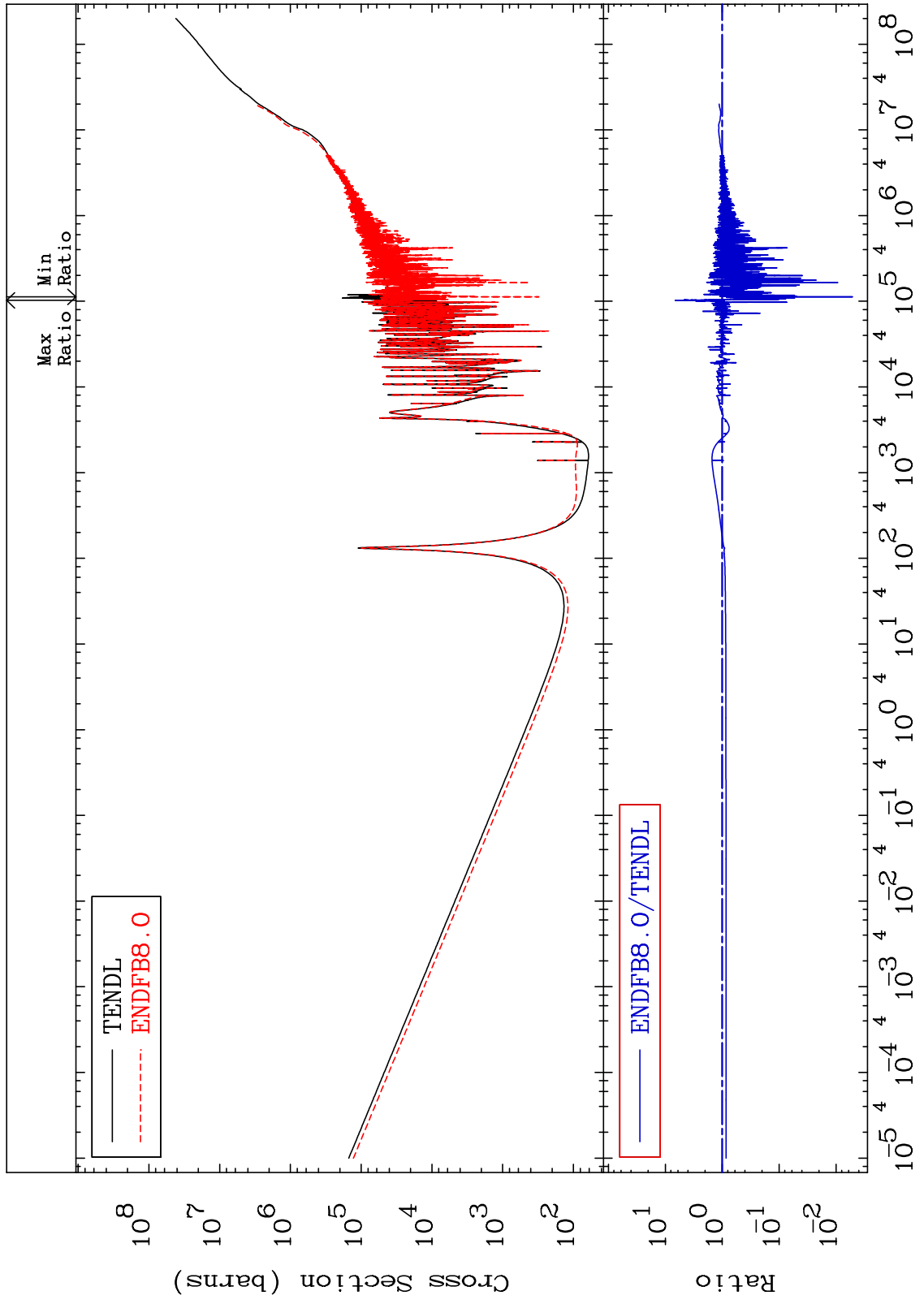
Incident Energy (eV)

27-Co-59

MAT 2725

Total kinematic kerma (high limit)  
Cross Section

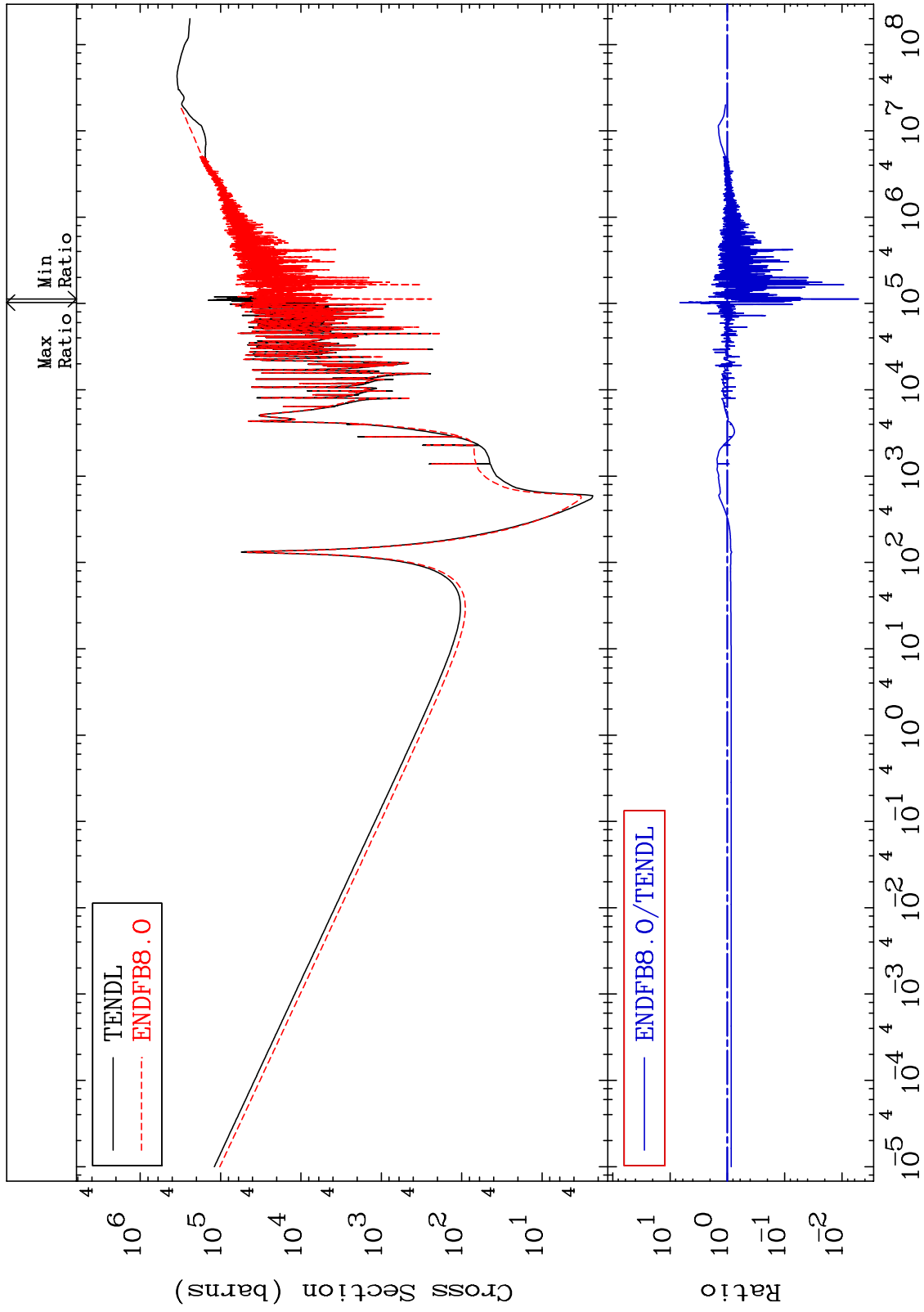
27-Co-59  
-99.48 To 569.9 %



MAT 2725

Dpa total (eV-barns)  
Cross Section

27-Co-59  
-99.48 To 569.8 %



62

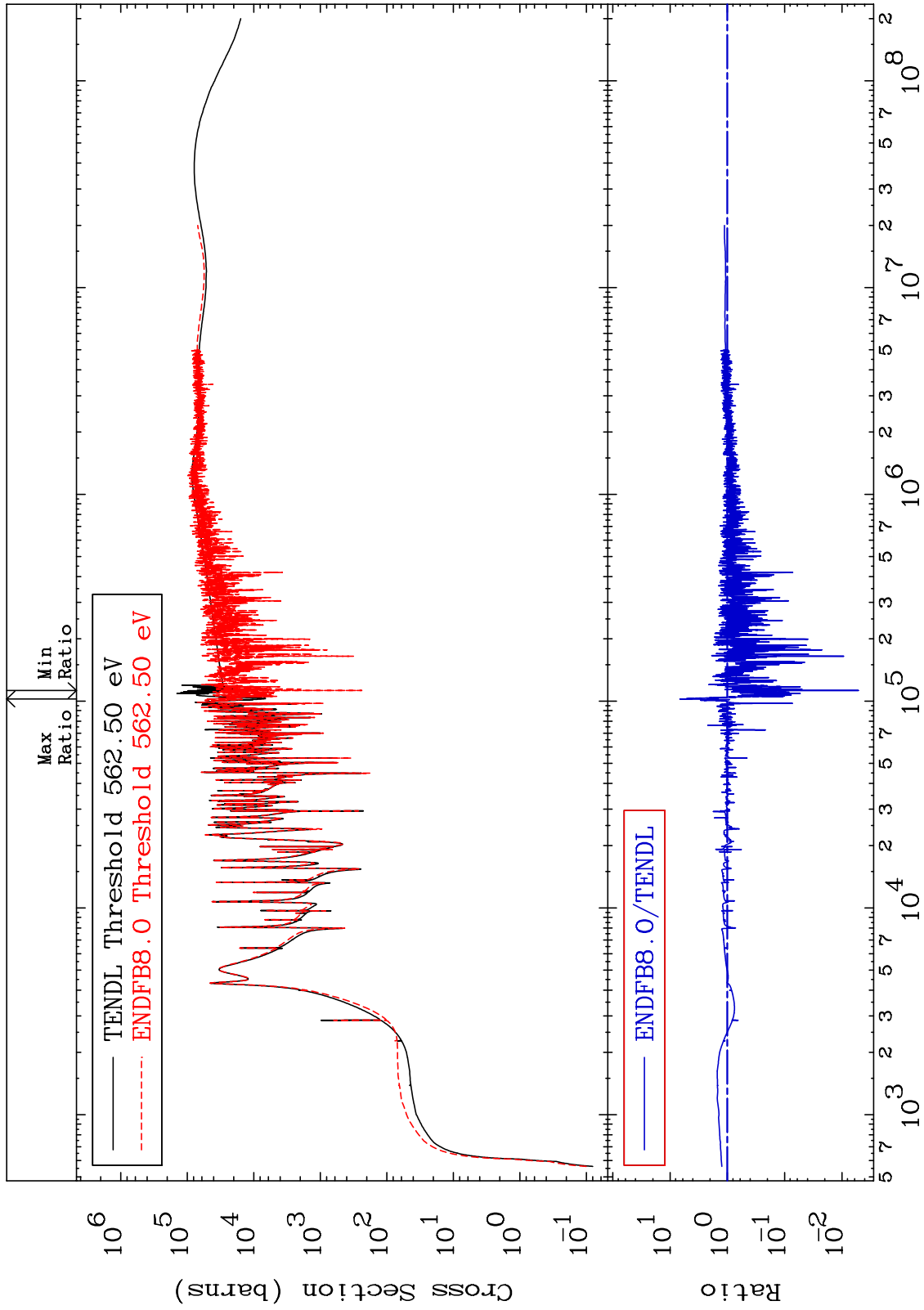
Incident Energy (eV)

27-Co-59

MAT 2725

Dpa elastic (mt2)  
Cross Section

27-Co-59  
-99.48 To 569.8 %



63

27-Co-59

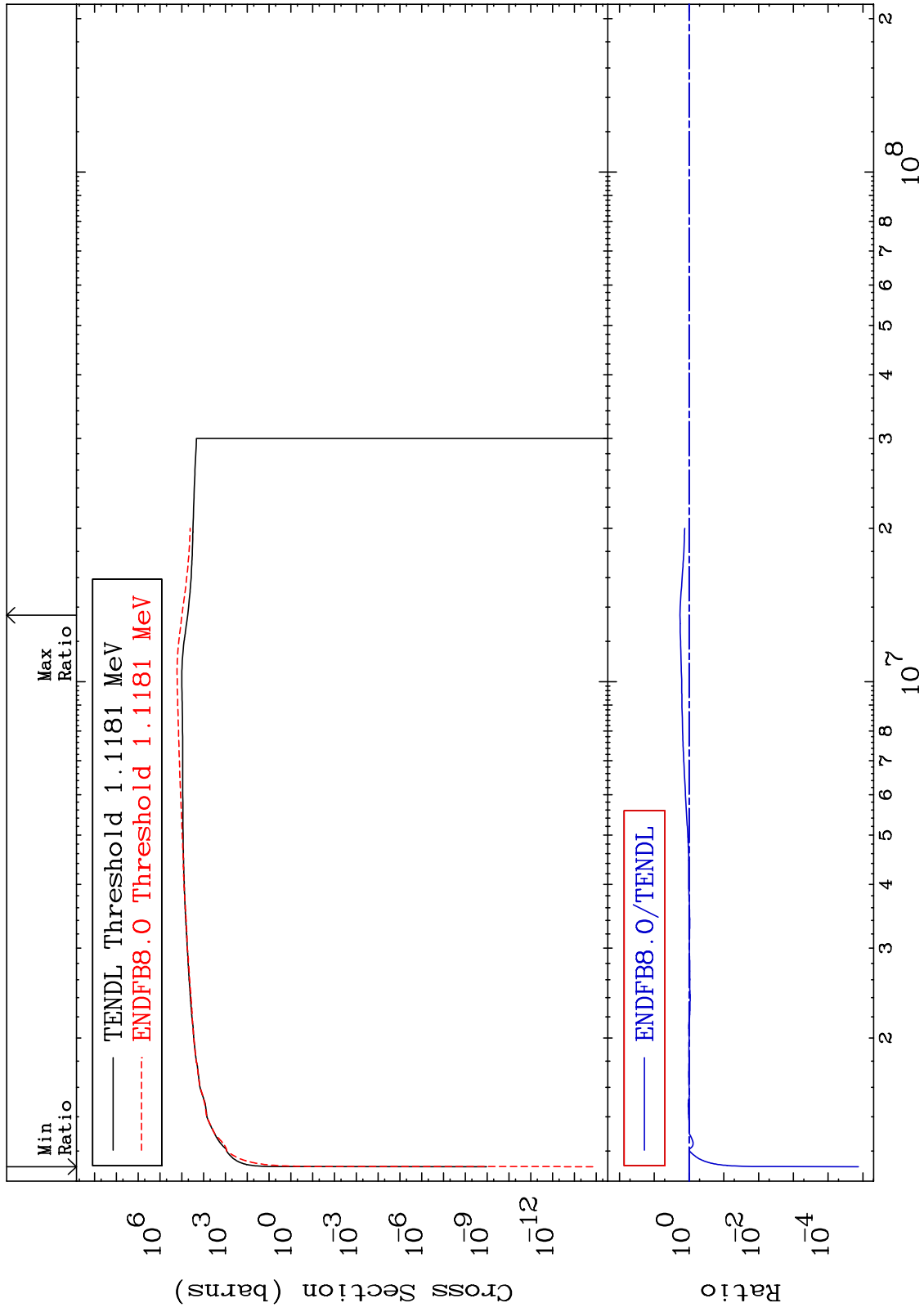
27-Co-59



MAT 2725

Dpa inelastic (mt51-91)  
Cross Section

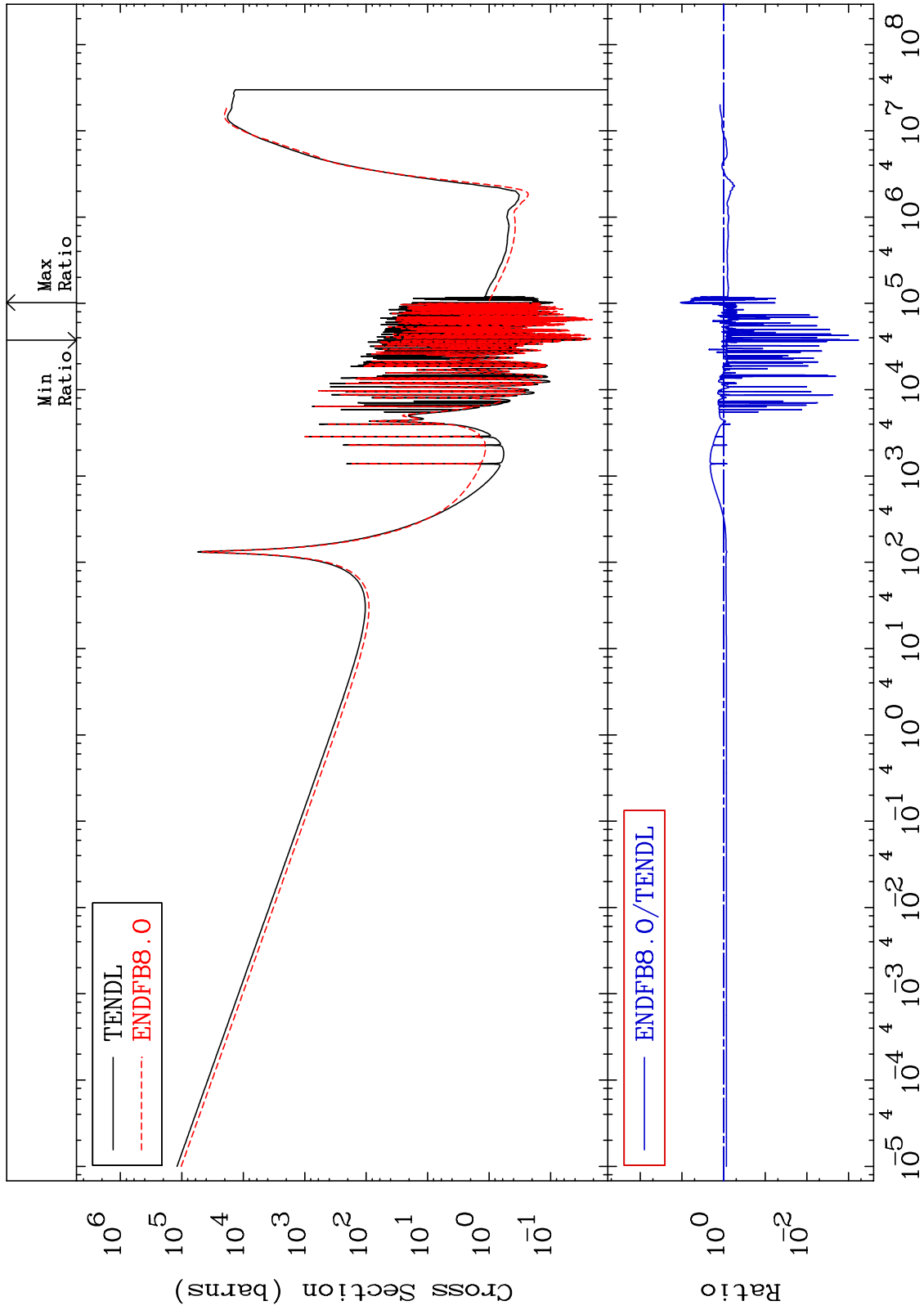
27-Co-59  
-100.0 To 82.11 %



MAT 2725

Dpa disappearance (mt102 -120)  
Cross Section

27-Co-59  
-99.94 To 1015. %



65

Incident Energy (eV)

27-Co-59