

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

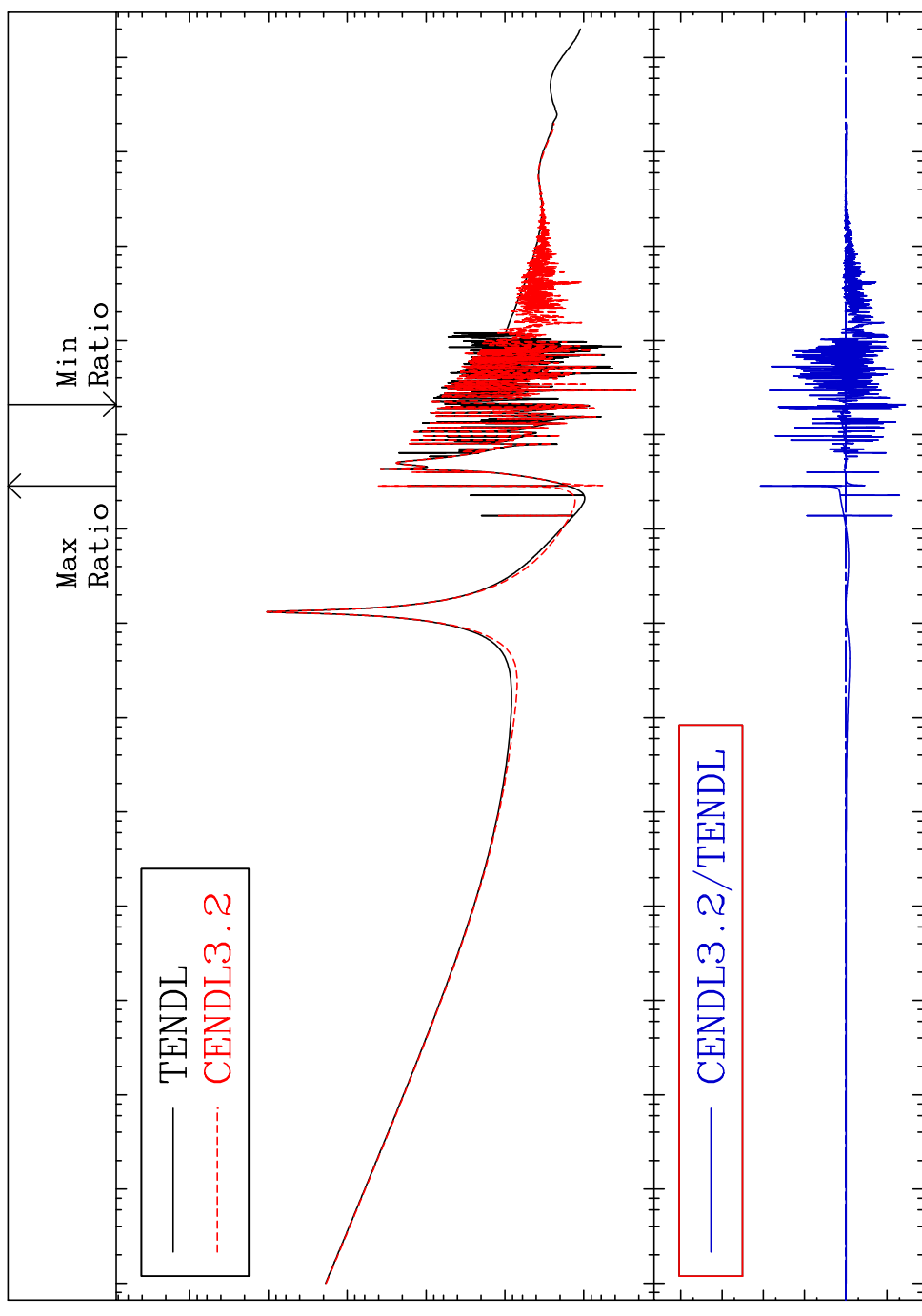
MAT 2725

Total

27-Co-59

Cross Section

-96.37 To 9999. %



1

Incident Energy (eV)

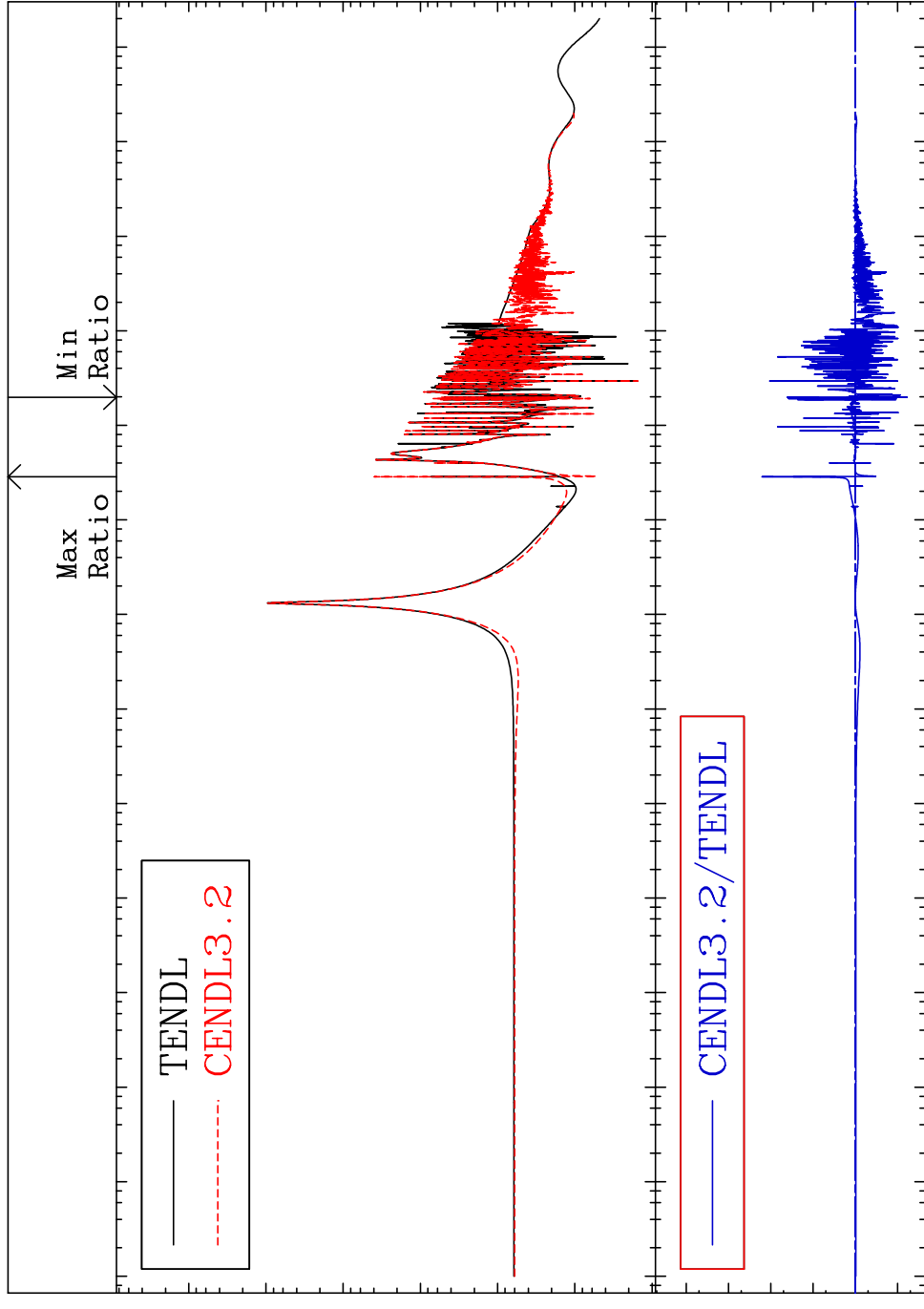
27-Co-59

MAT 2725

Elastic

27-Co-59

Cross Section -94.10 To 9999. %



2

Incident Energy (eV)

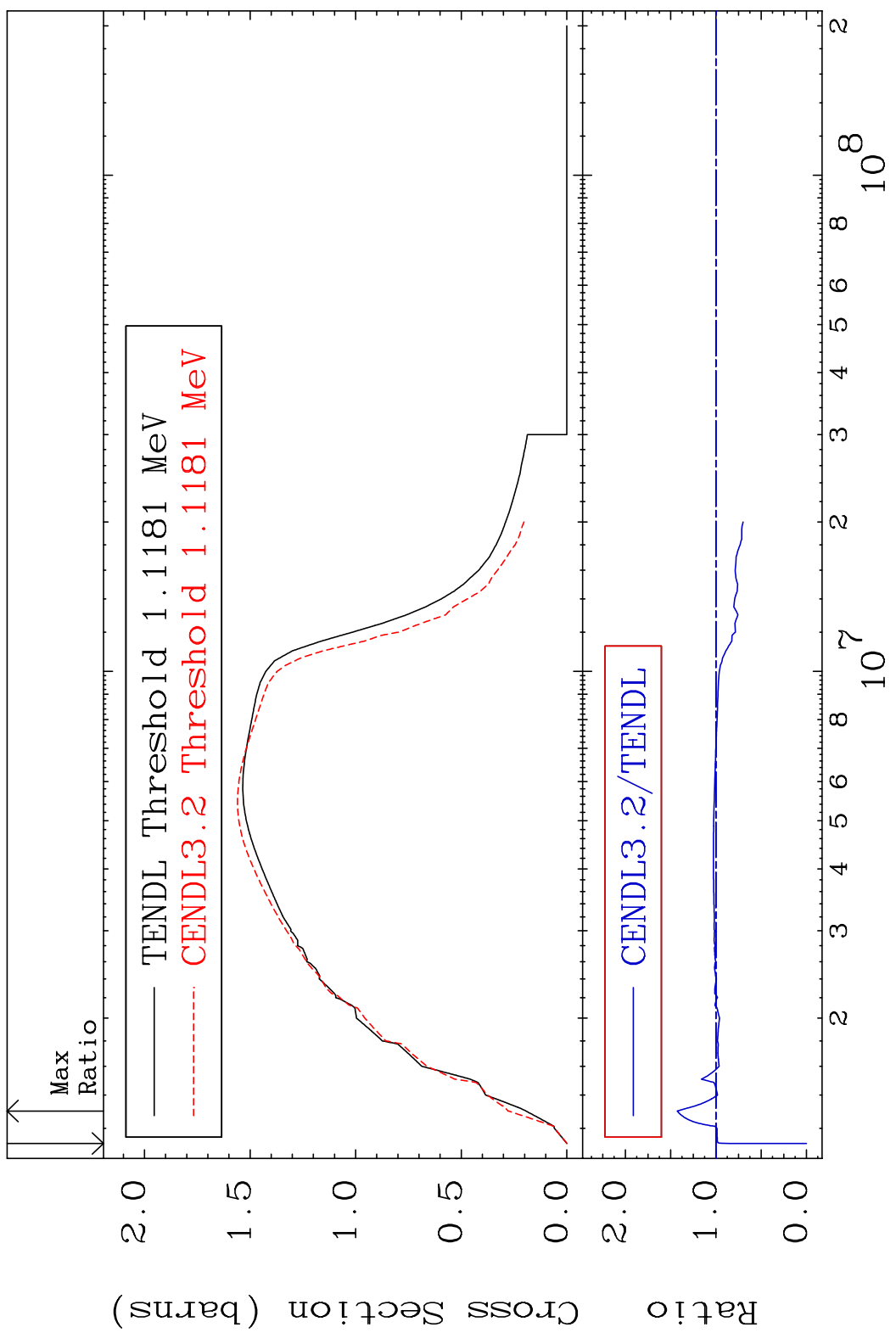
27-Co-59

MAT 2725

Inelastic

27-Co-59

Cross Section -100.0 To 42.76 %

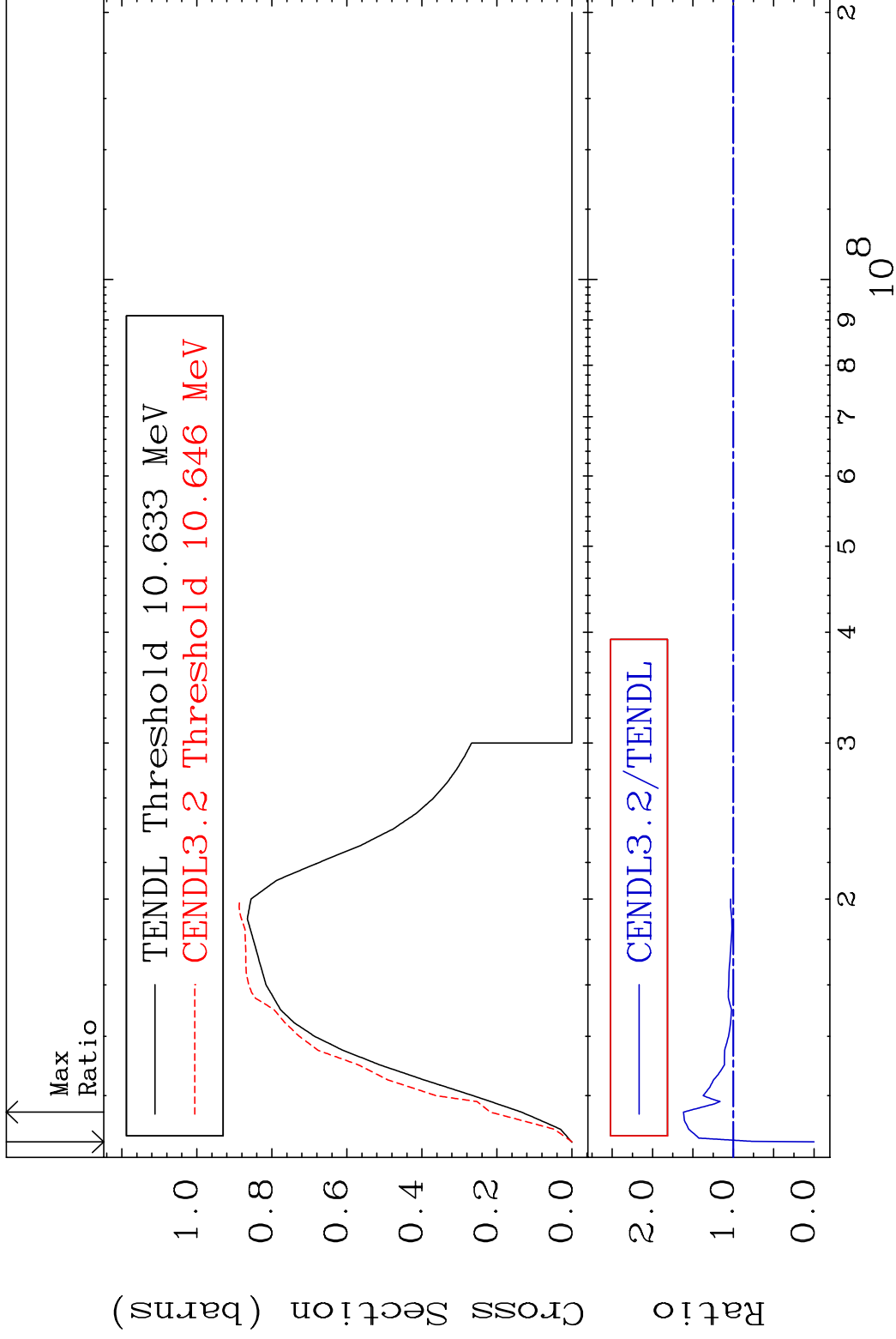


MAT 2725

(n,2n)

27-Co-59

Cross Section -100.0 To 61.77 %



4

Incident Energy (eV)

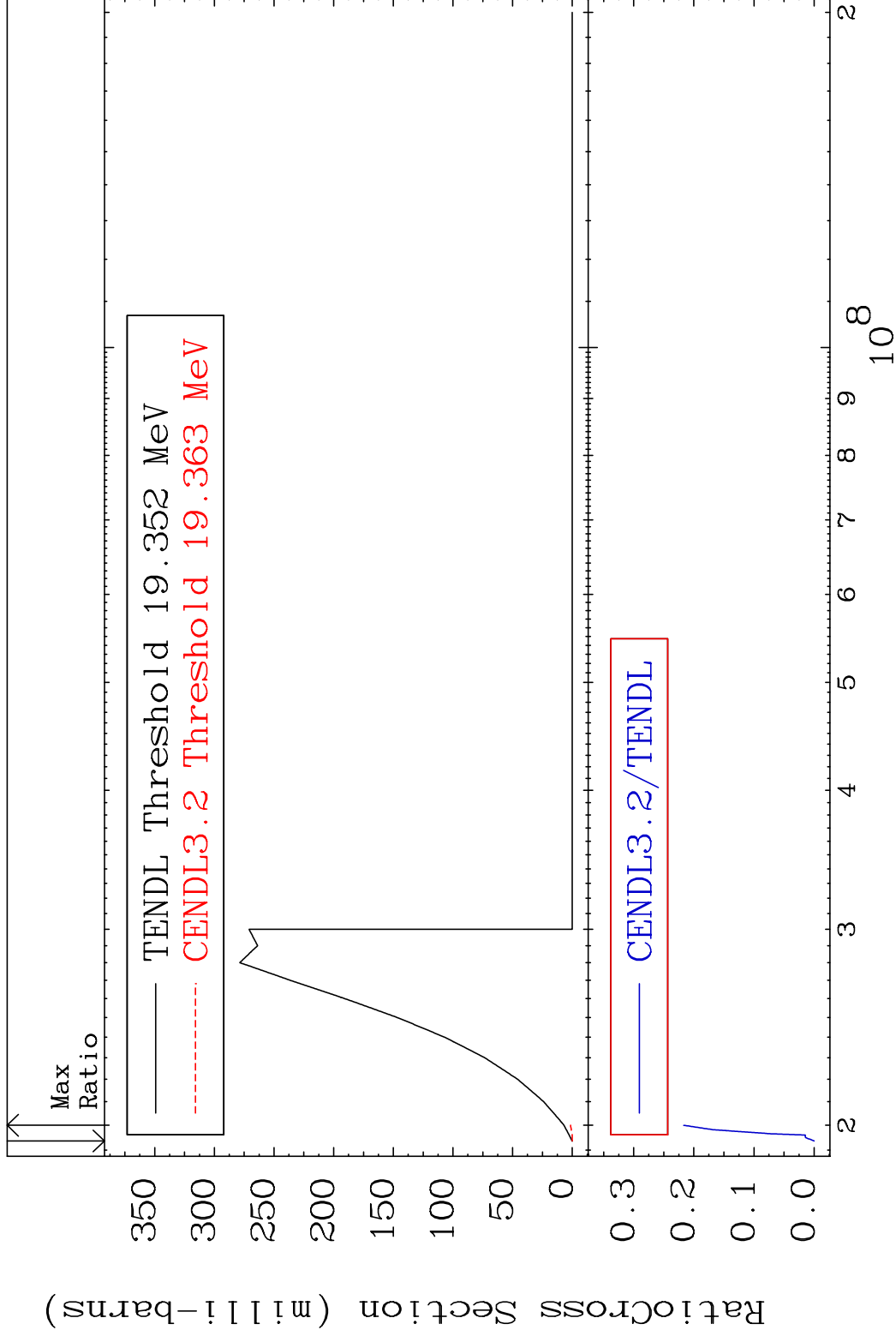
27-Co-59

MAT 2725

(n,3n)

27-Co-59

Cross Section -100.0 To -78.30%



5

Incident Energy (eV)

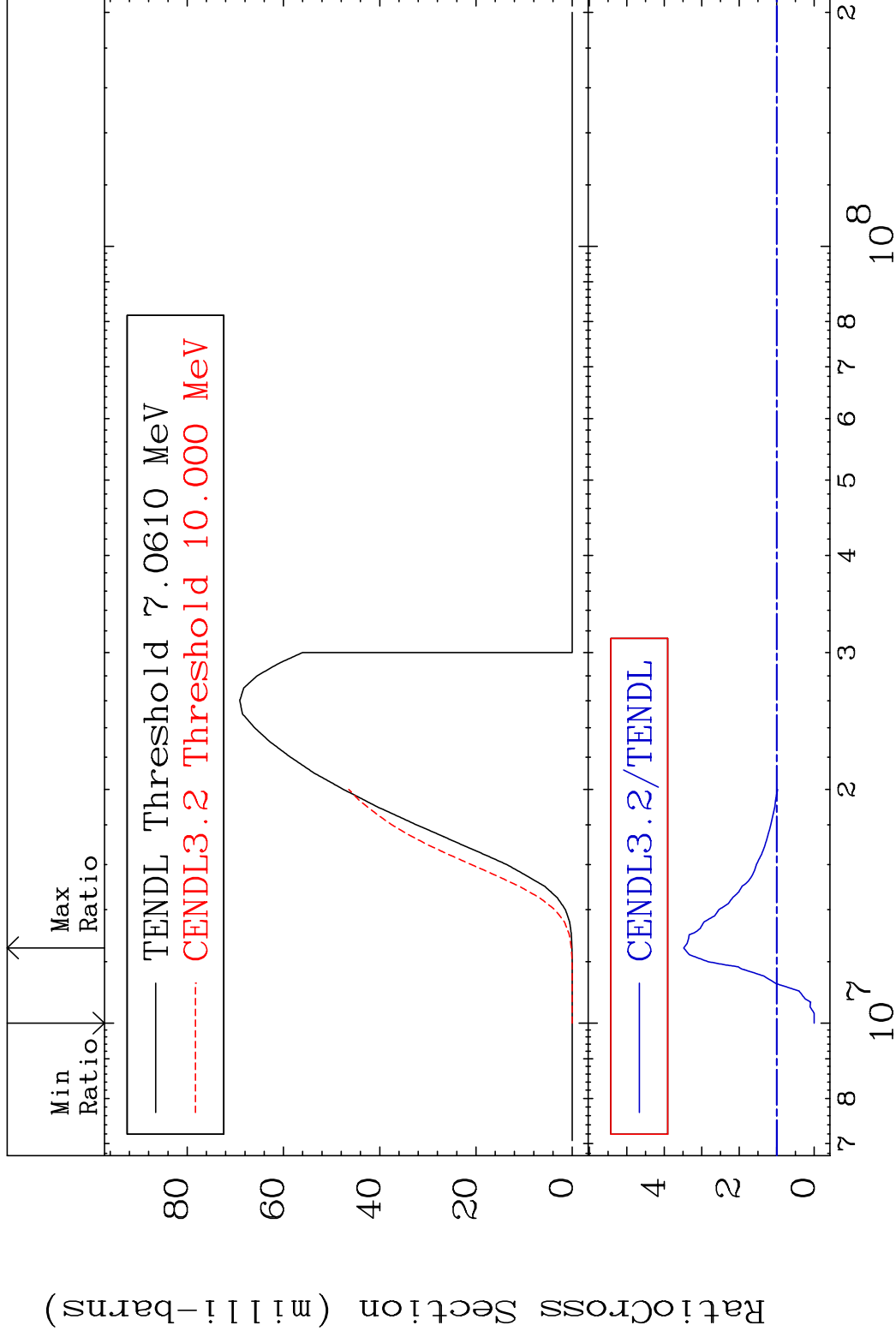
27-Co-59

MAT 2725

(n, n')  $\alpha$

27-Co-59

Cross Section -100.0 To 248.2 %



6

Incident Energy (eV)

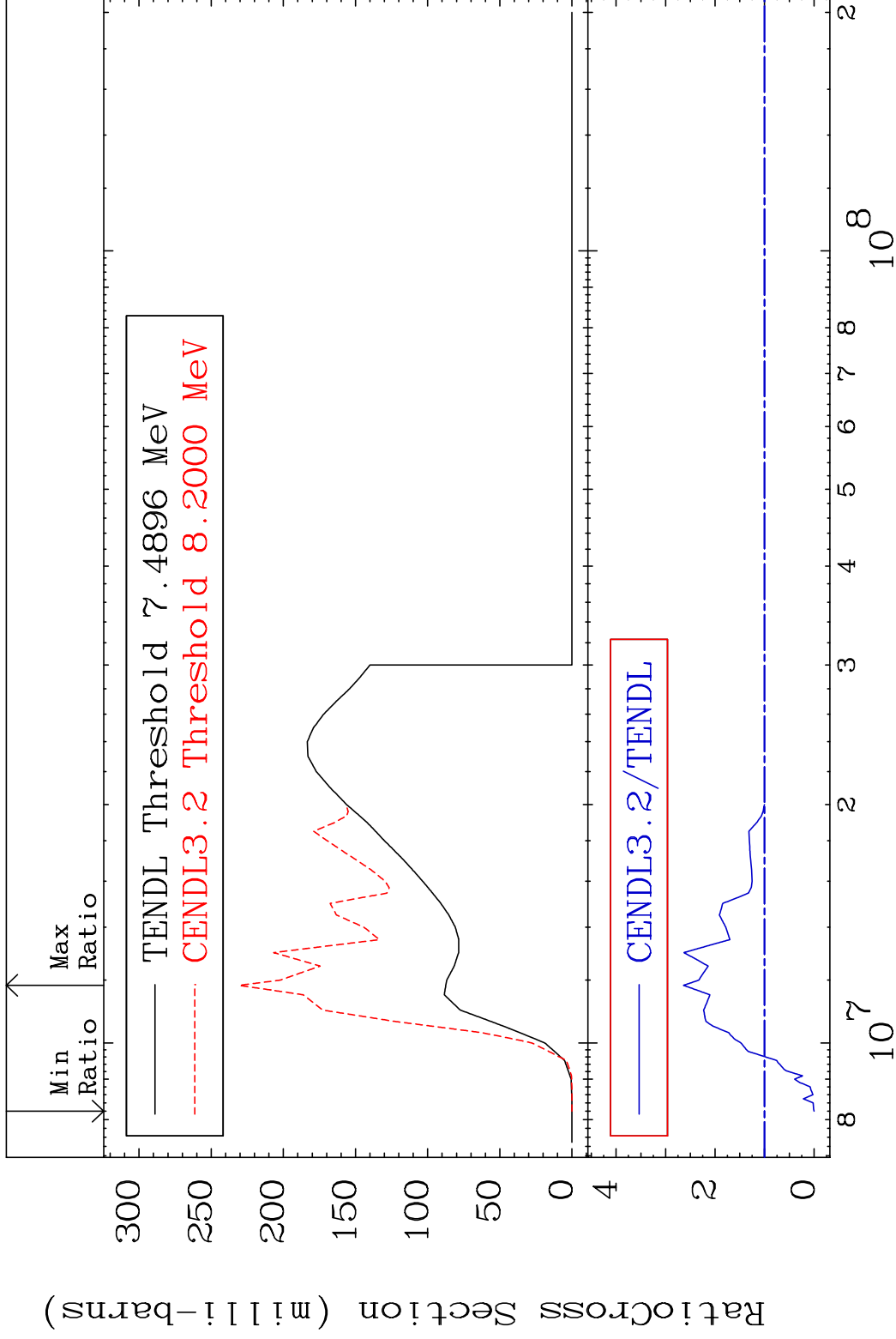
27-Co-59

MAT 2725

(n, n') p

<sup>27</sup>Co-59

Cross Section -100.0 To 163.9 %



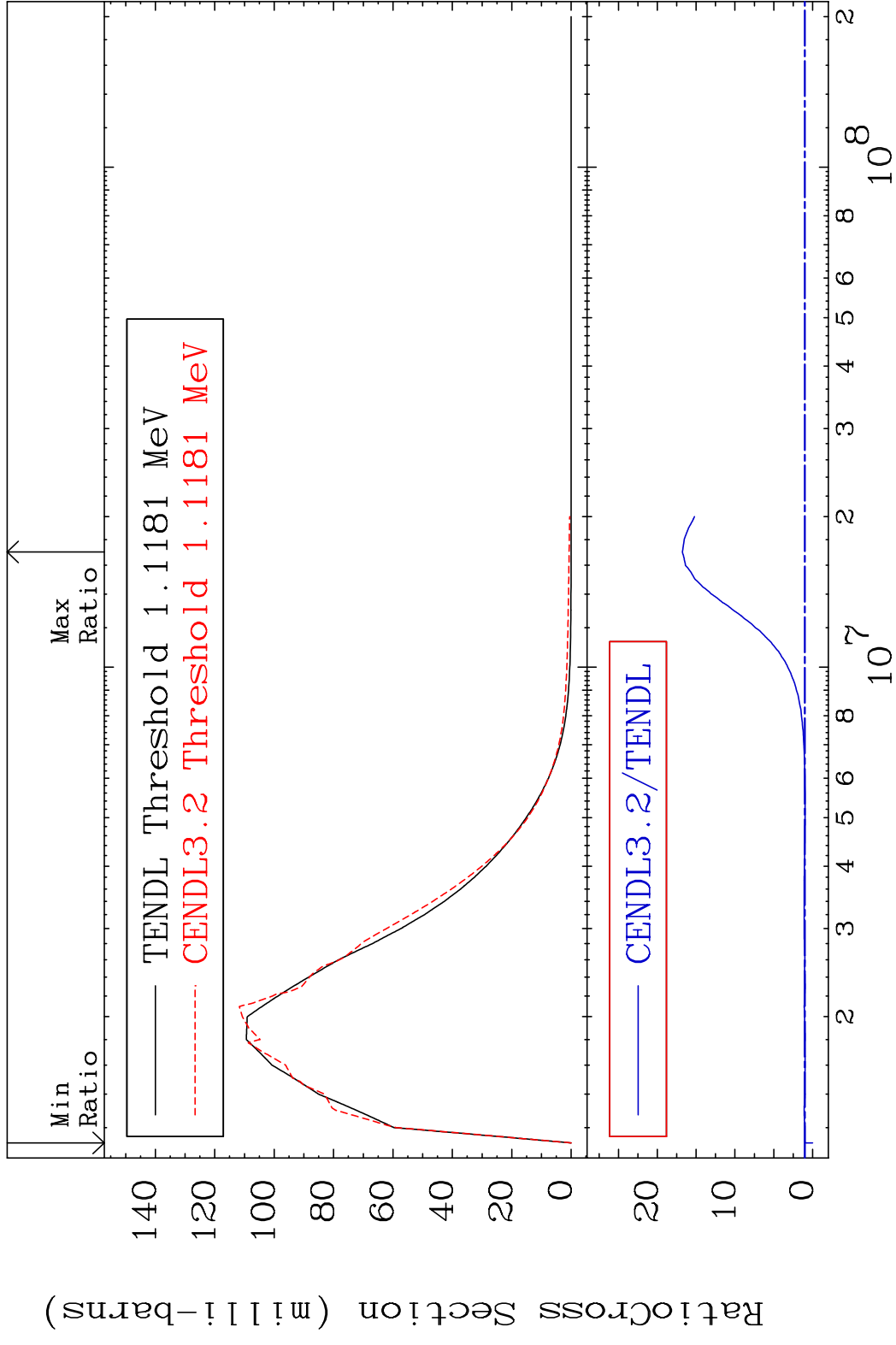
7

Incident Energy (eV)

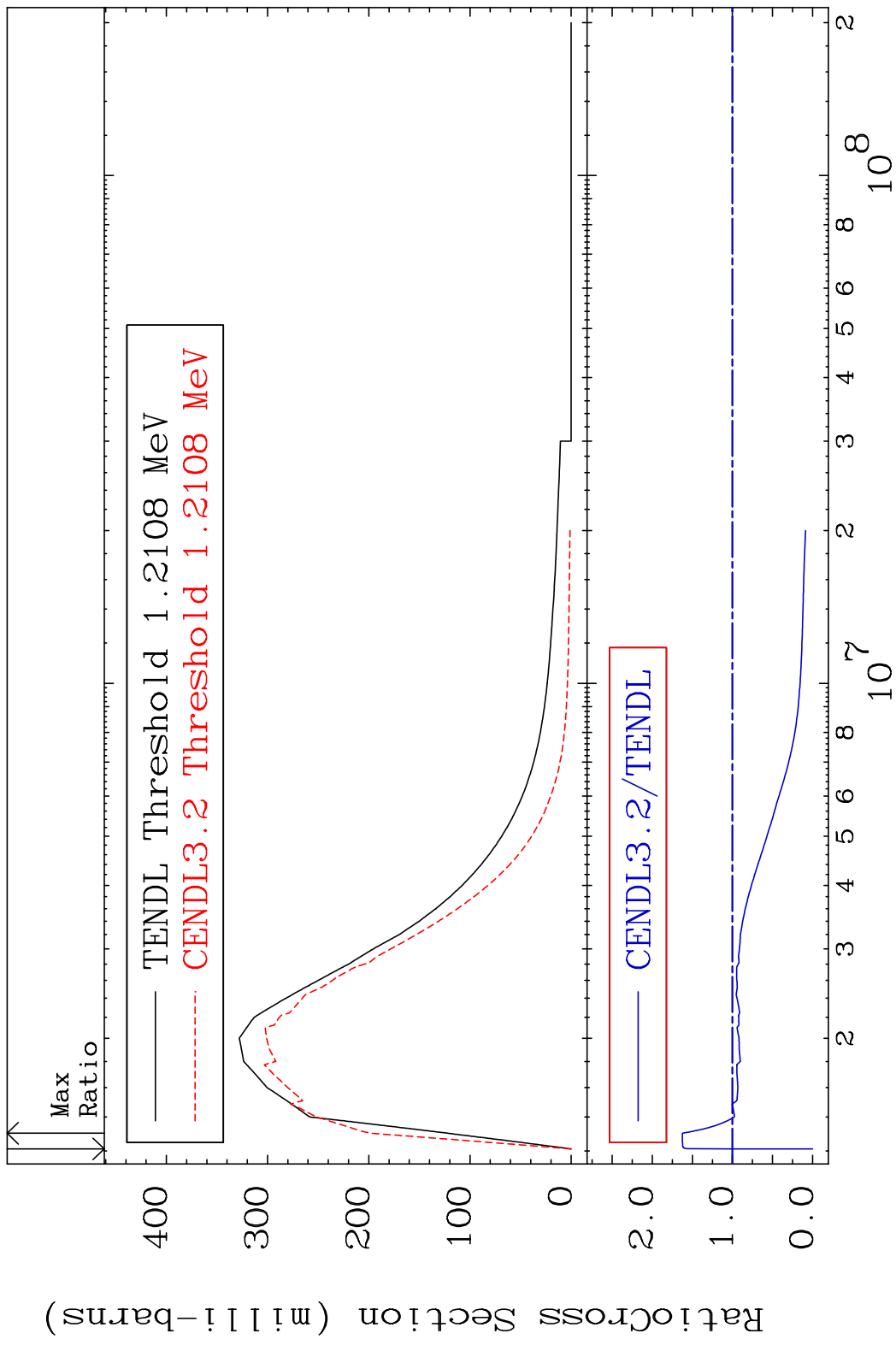
<sup>27</sup>Co-59



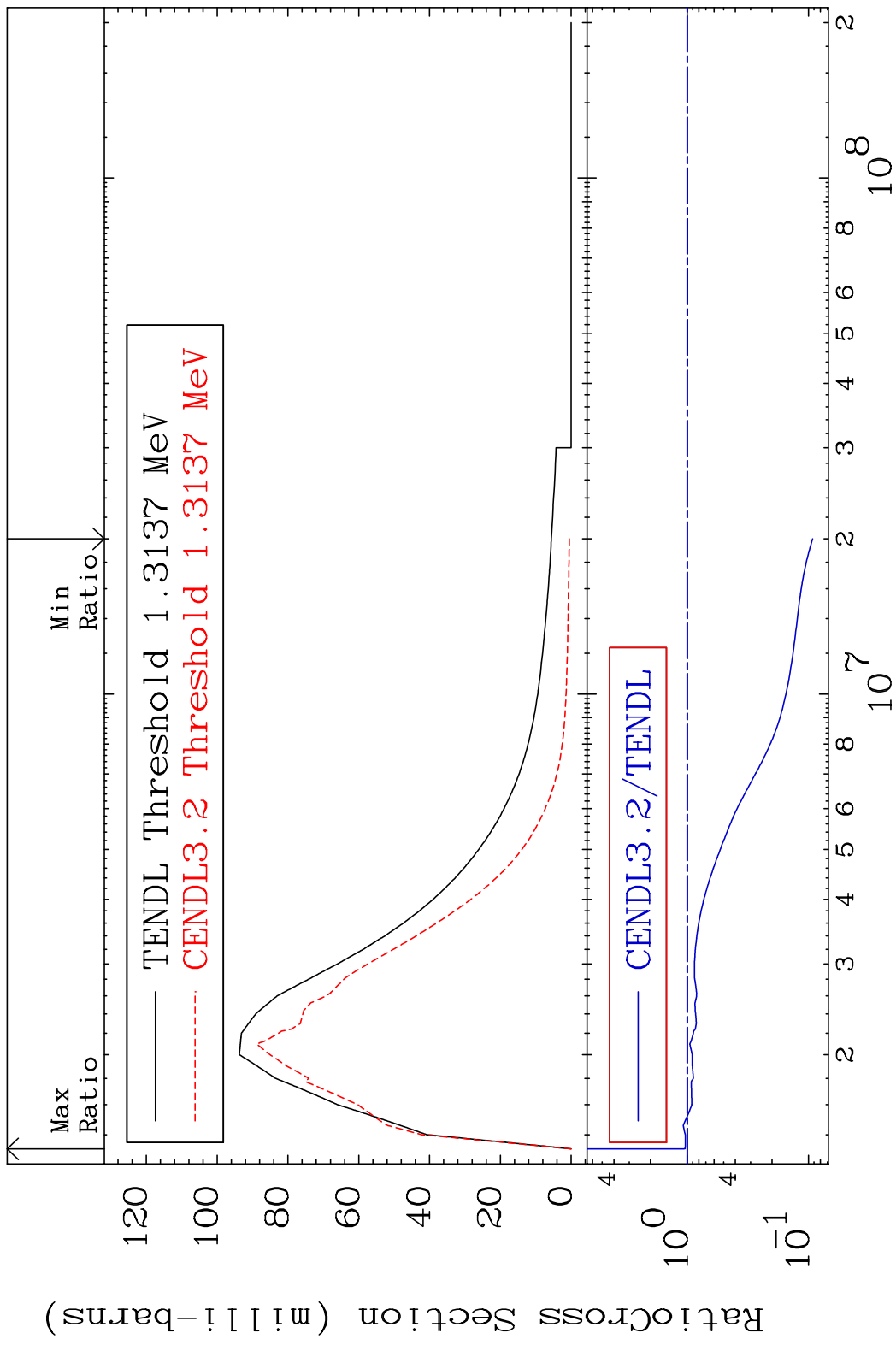
MAT 2725 MT= 51 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1578. %



MAT 2725 MT= 52 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 62.48 %

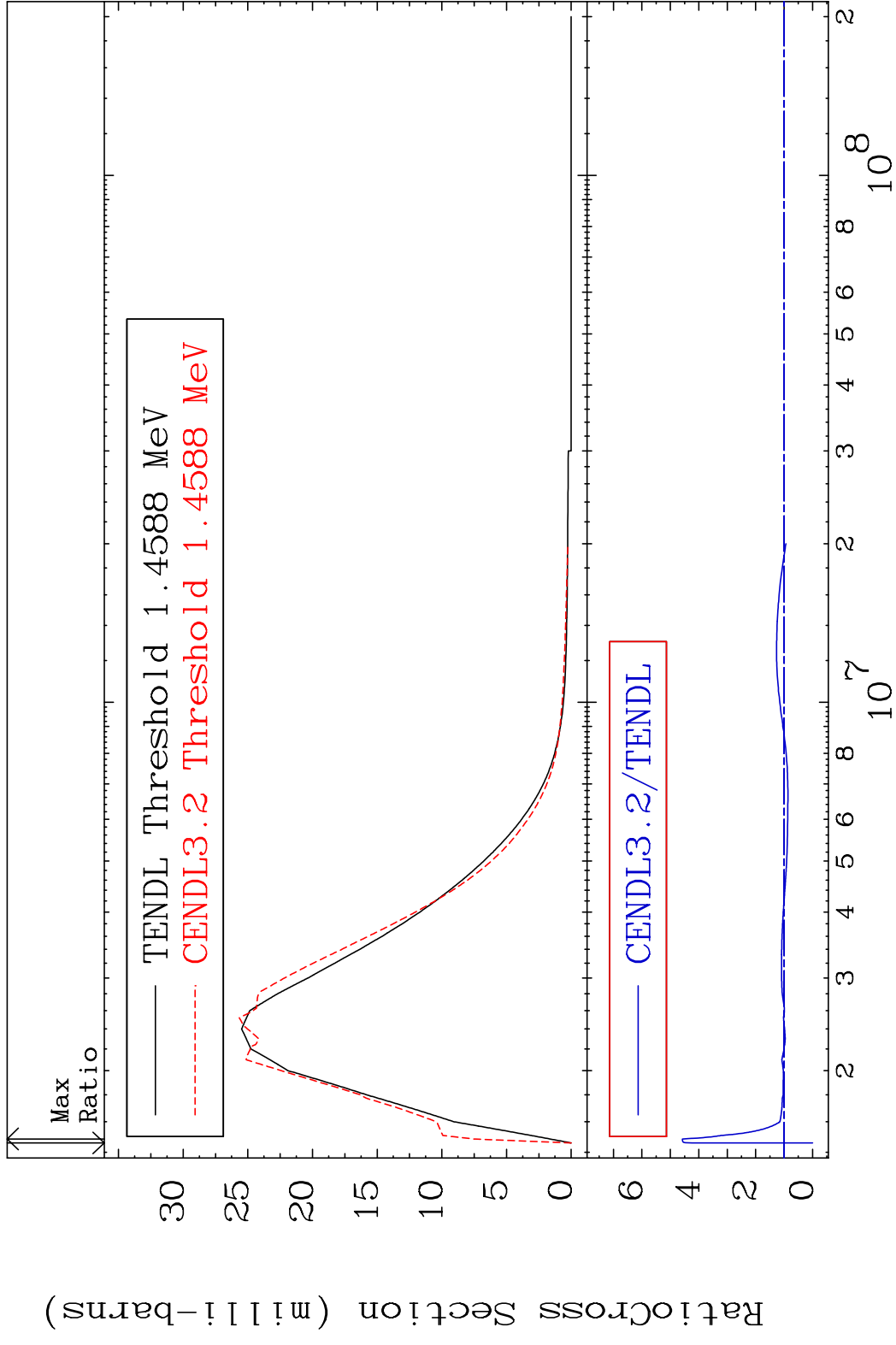


MAT 2725 MT= 53 (n, n') Level 27-Co-59  
 Cross Section -90.74 To 9.372 %

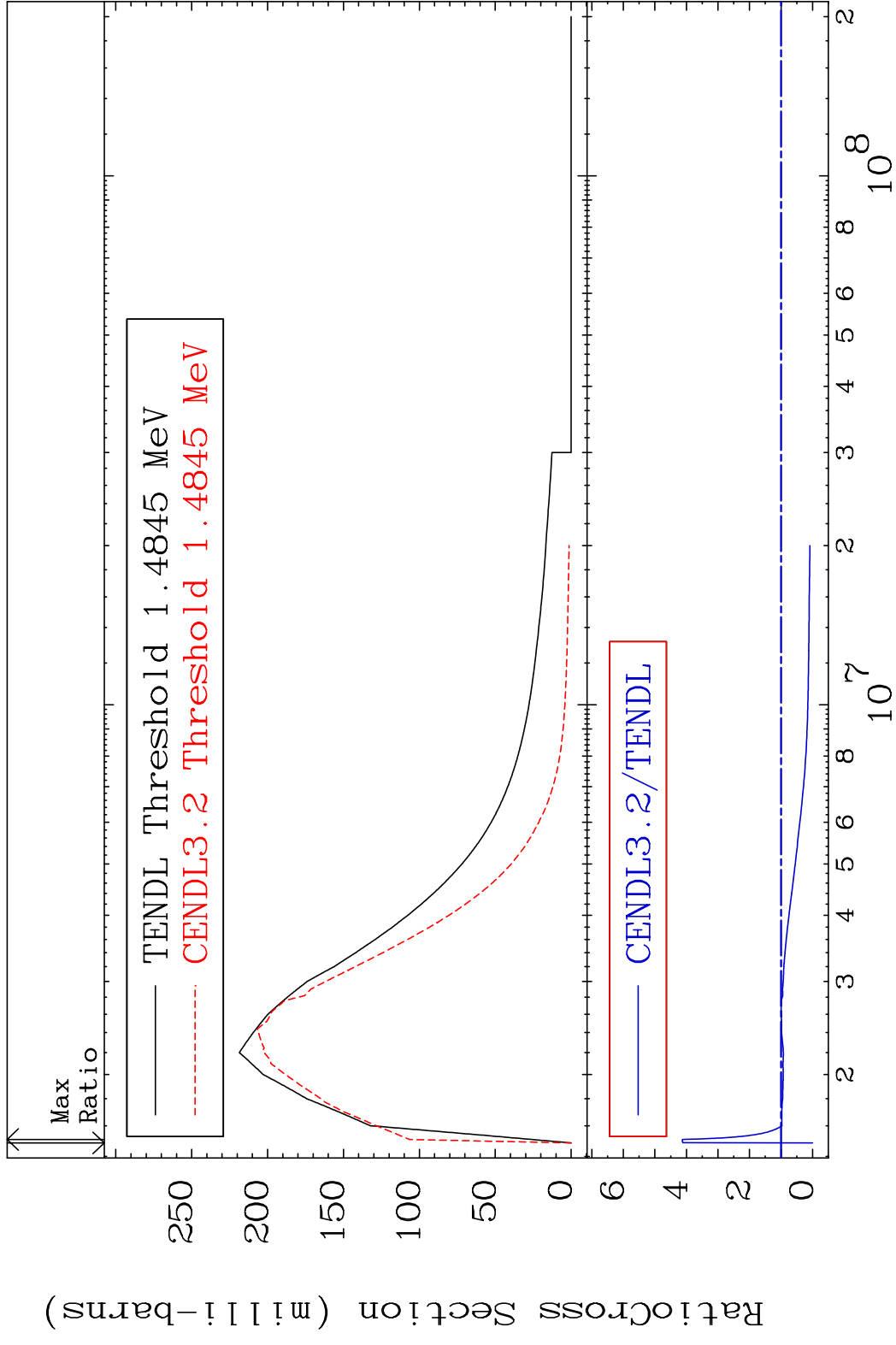


10 Incident Energy (eV) 27-Co-59

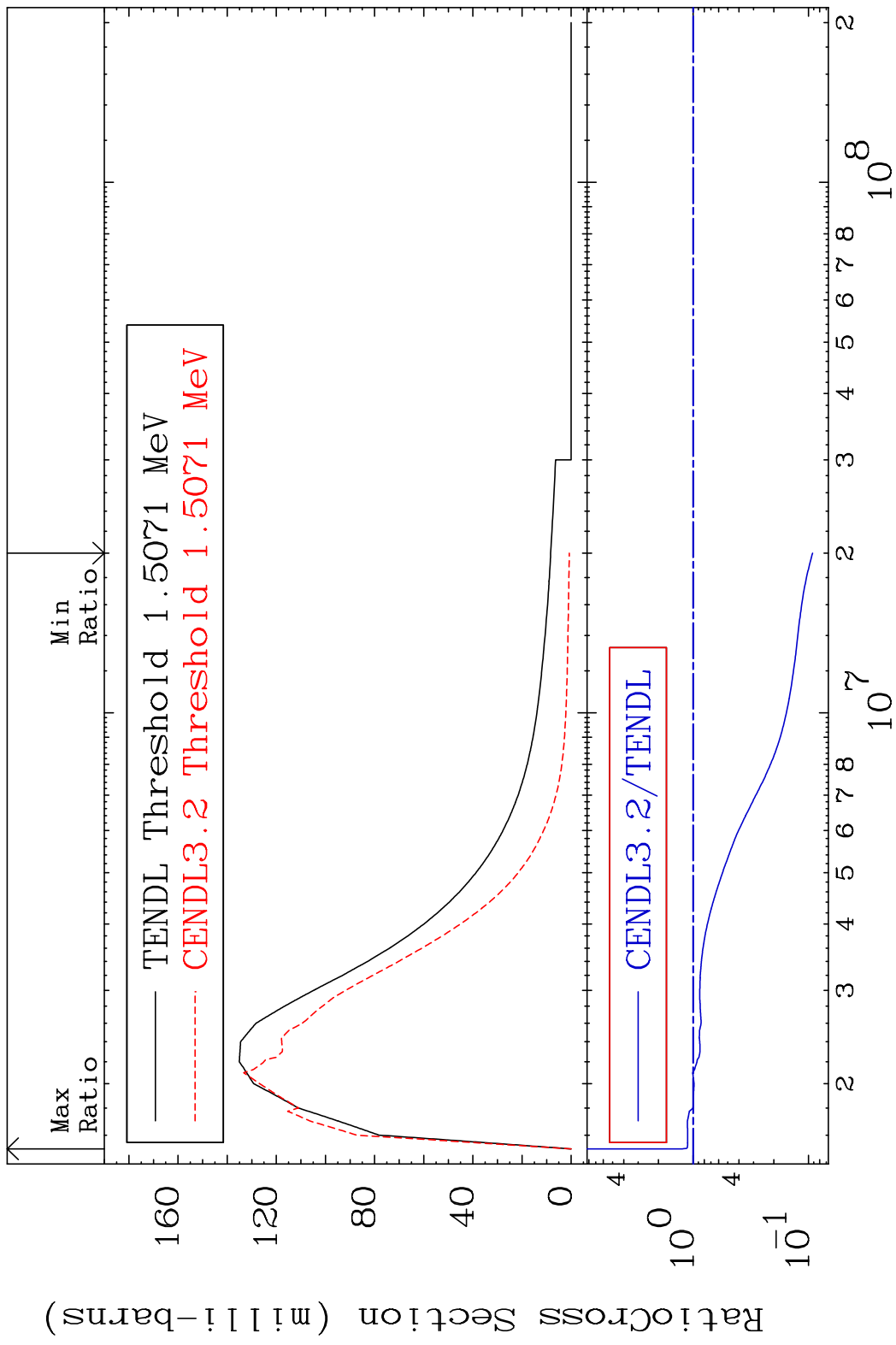
MAT 2725 MT= 54 (n,n') Level 27-Co-59  
 Cross Section -100.0 To 357.8 %



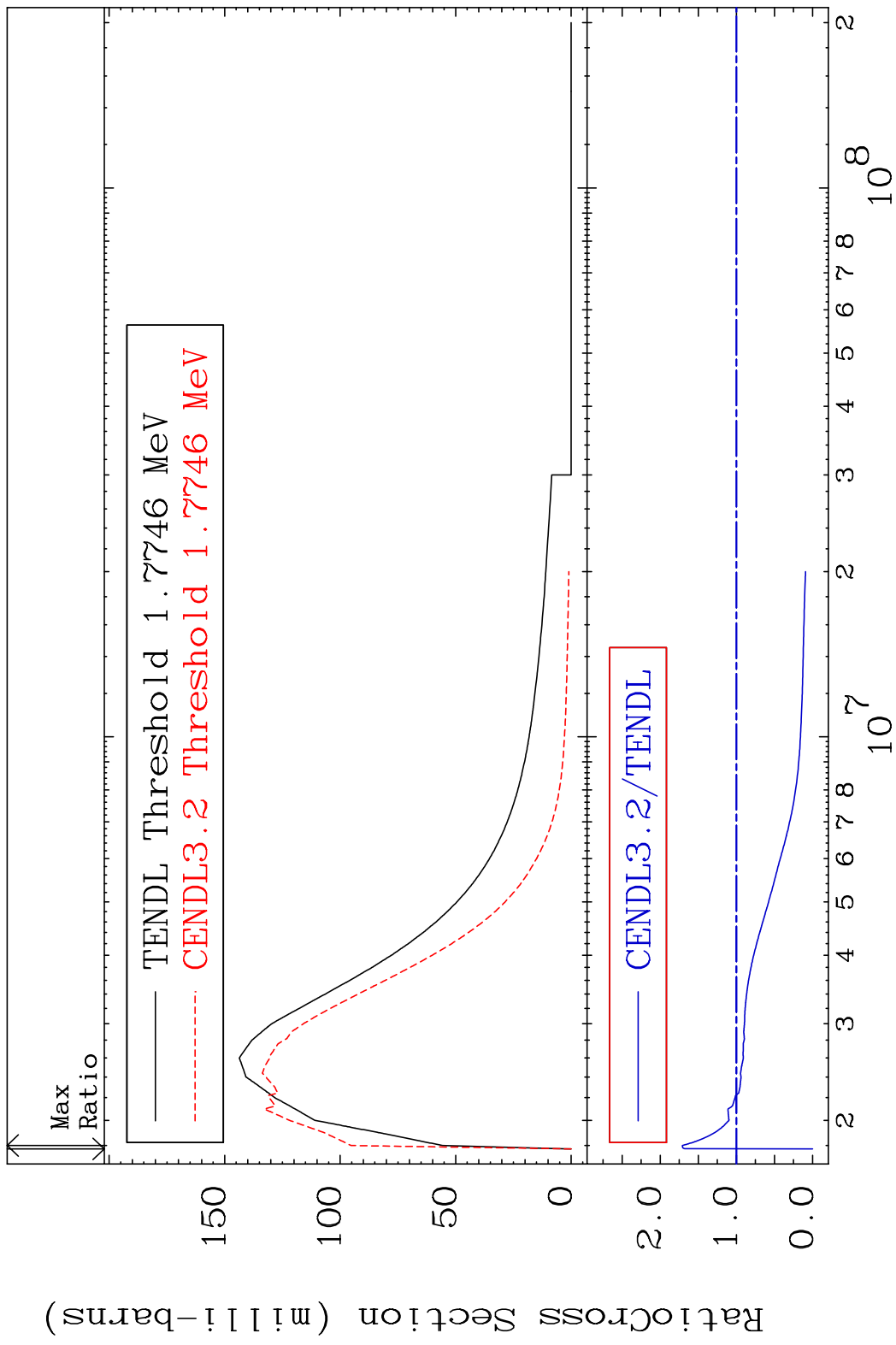
MAT 2725 MT= 55 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 312.9 %



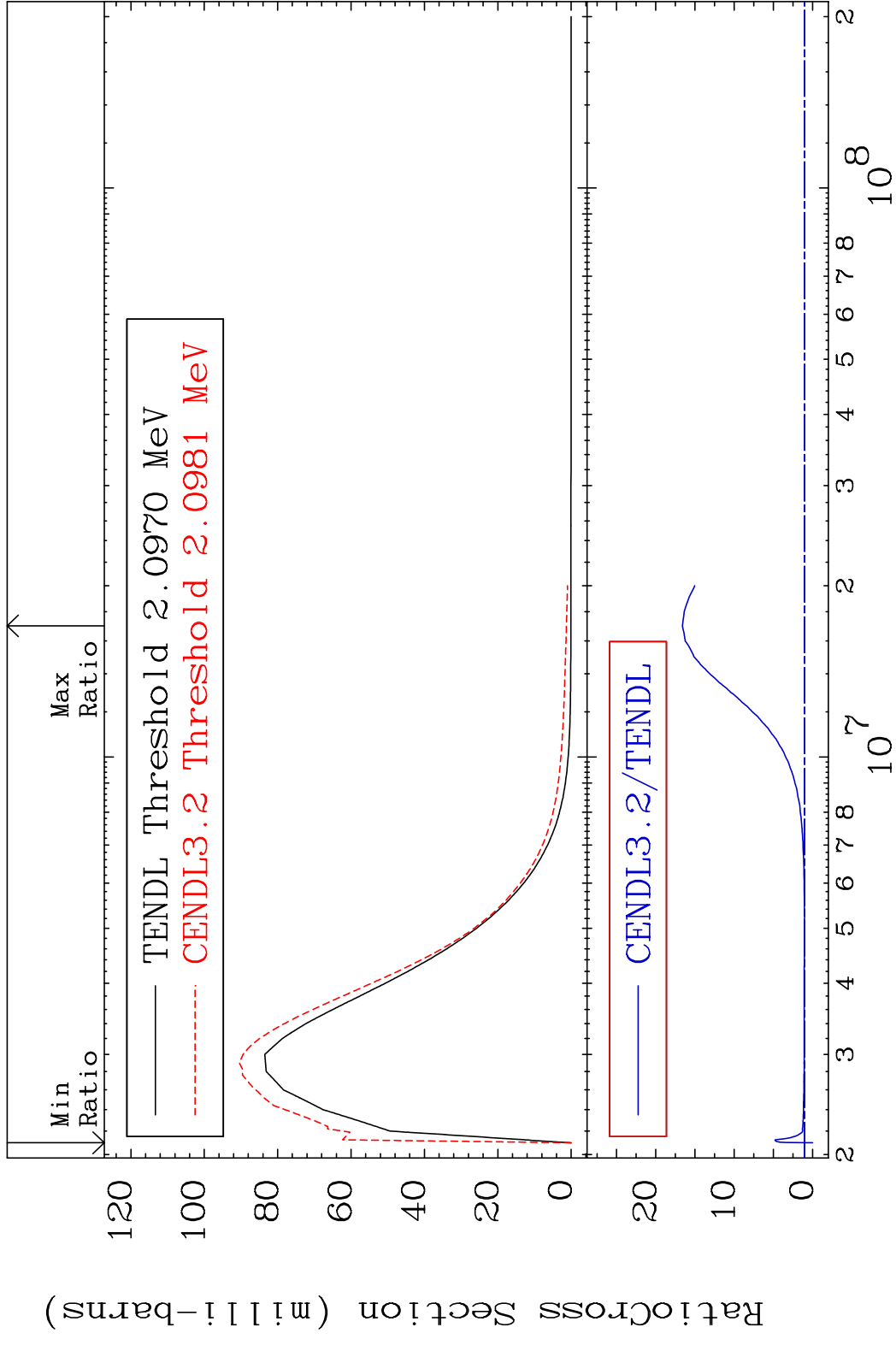
MAT 2725 MT= 56 (n, n') Level 27-Co-59  
 Cross Section -90.78 To 23.99 %



MAT 2725 MT= 57 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 70.98 %

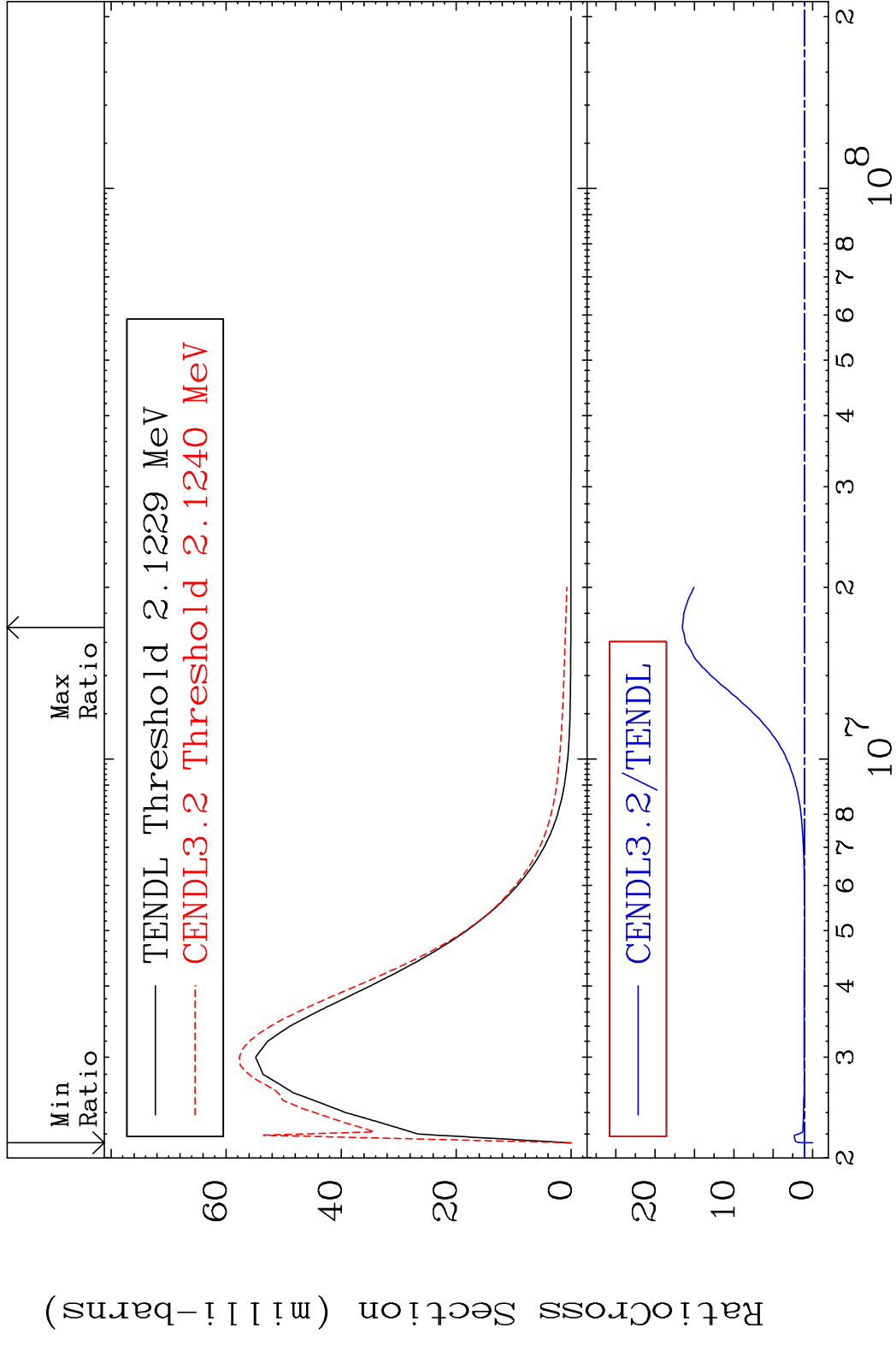


MAT 2725 MT= 58 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1561. %

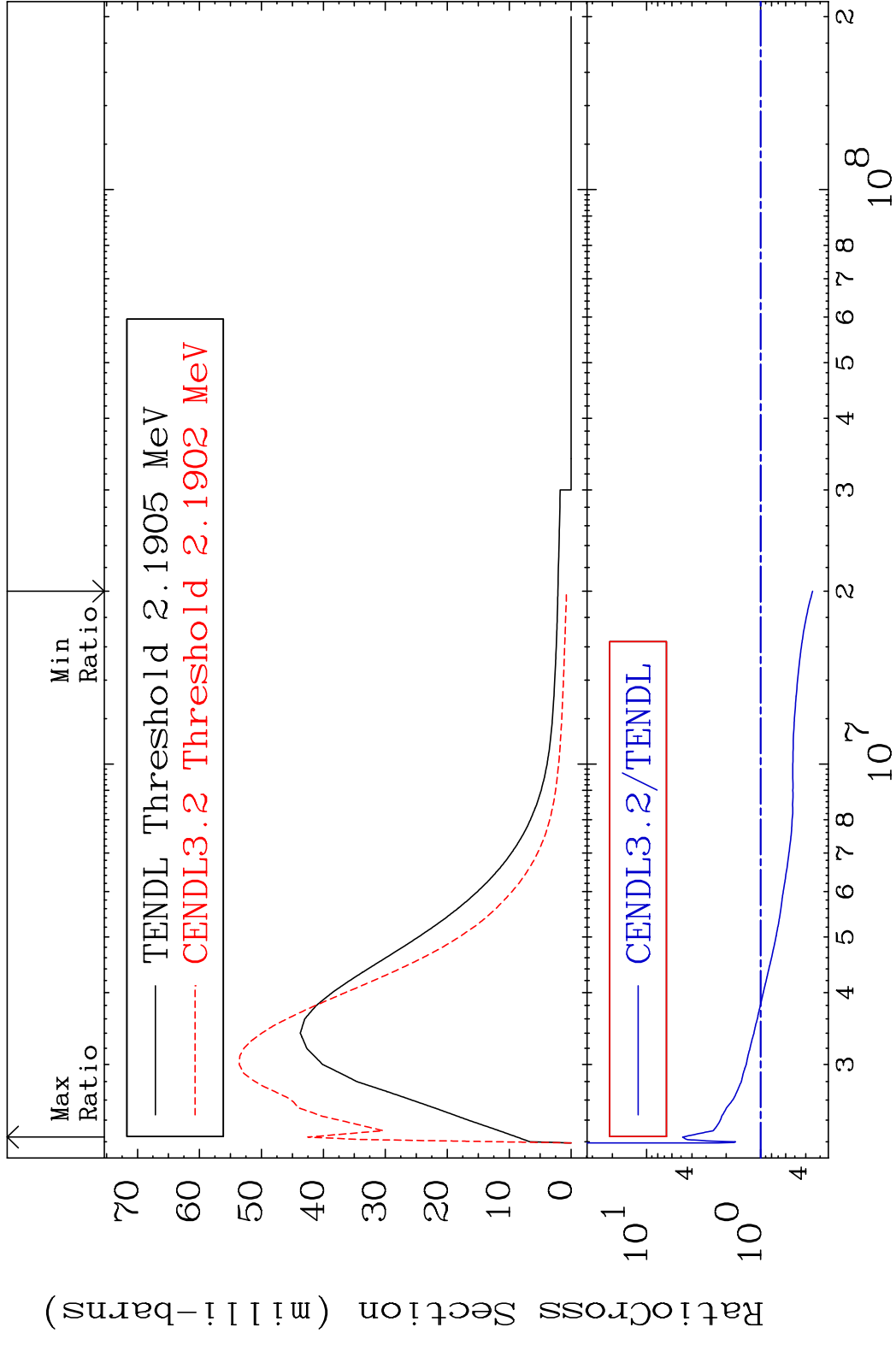




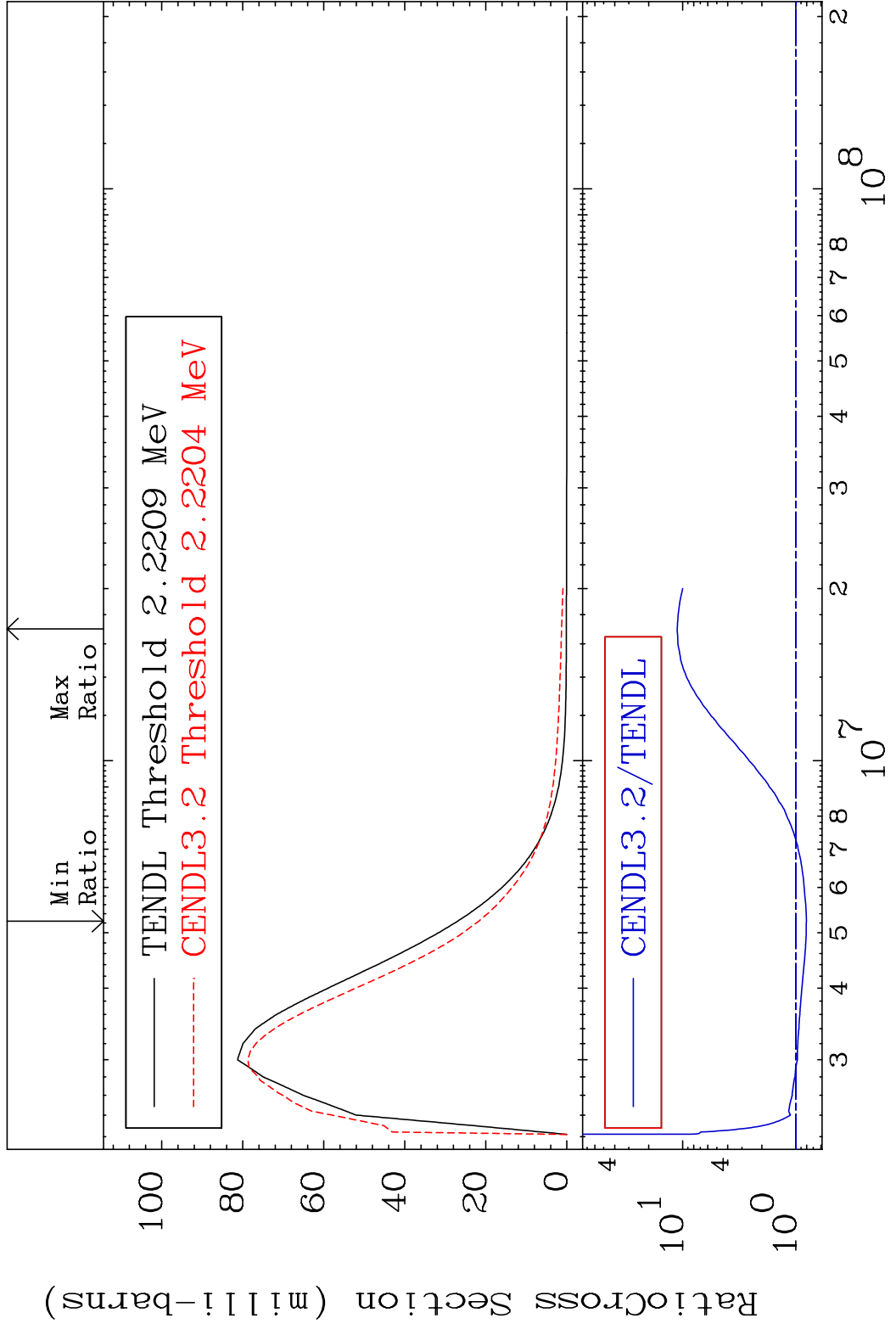
MAT 2725 MT= 59 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1554. %



MAT 2725 MT= 60 (n, n') Level 27-Co-59  
 Cross Section -65.08 To 386.0 %



MAT 2725 MT= 61 (n, n') Level 27-Co-59  
 Cross Section -19.44 To 1020. %

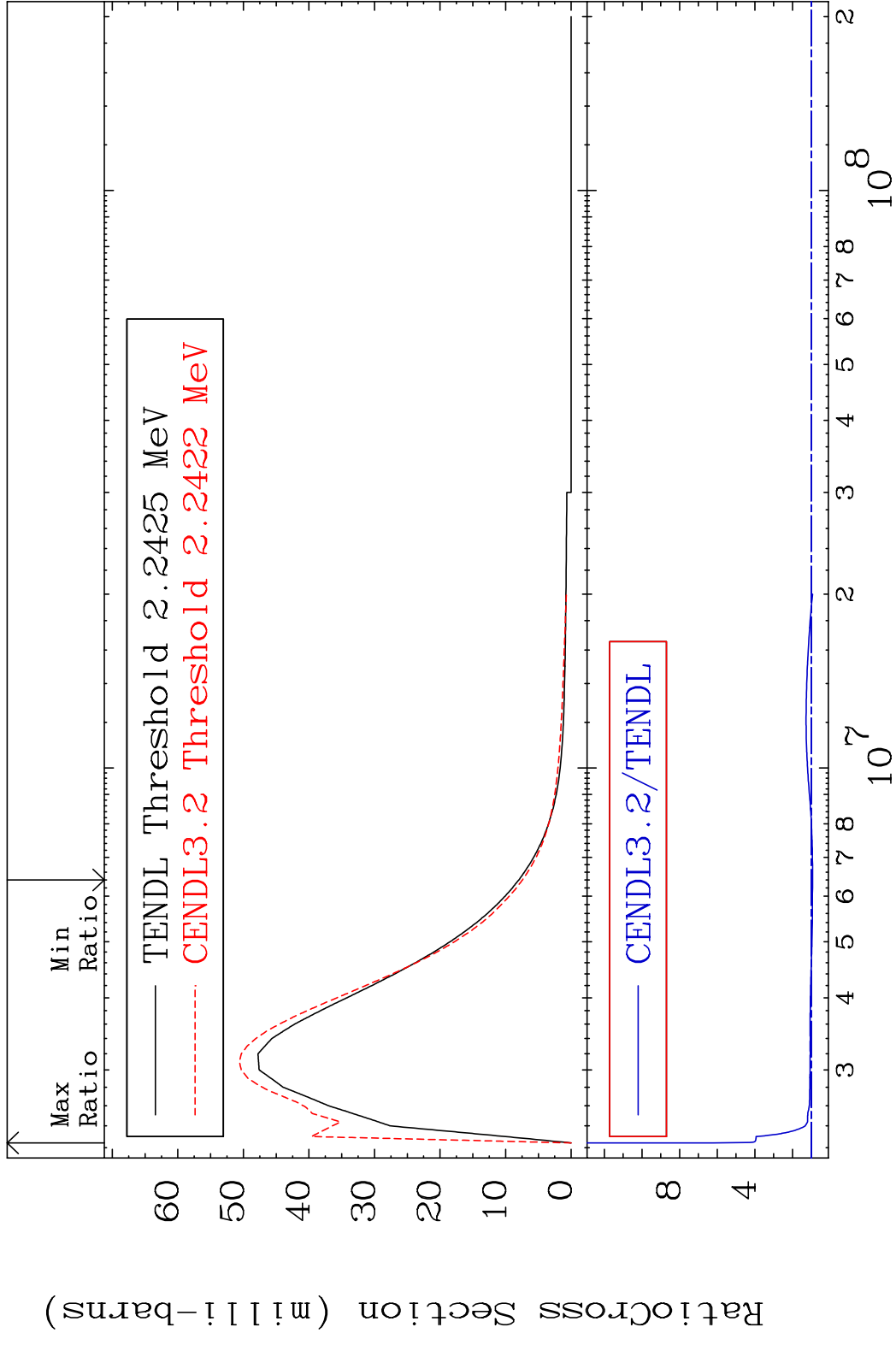


MAT 2725

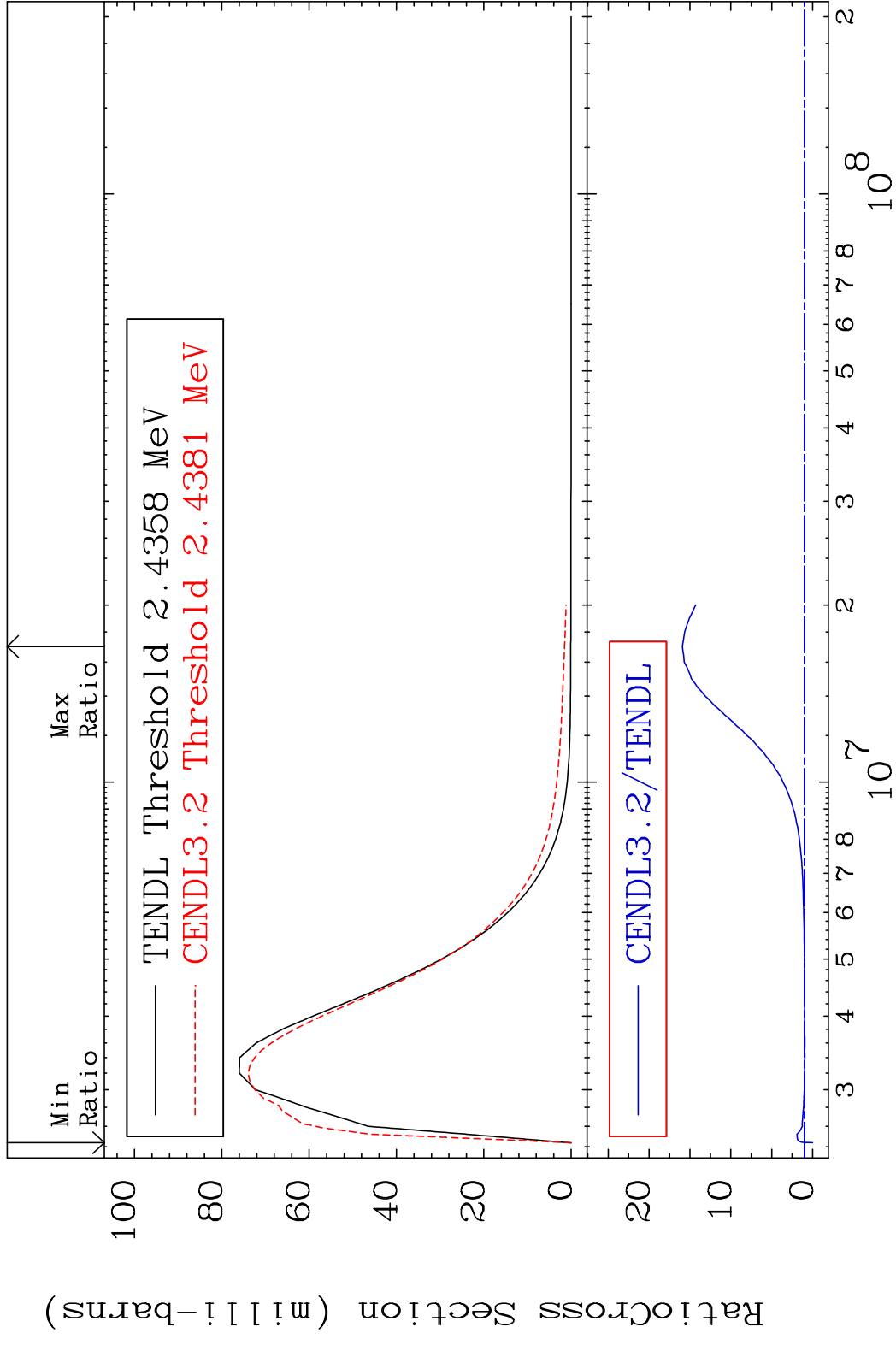
MT= 62 (n, n') Level

27-Co-59

Cross Section -7.013 To 685.4 %

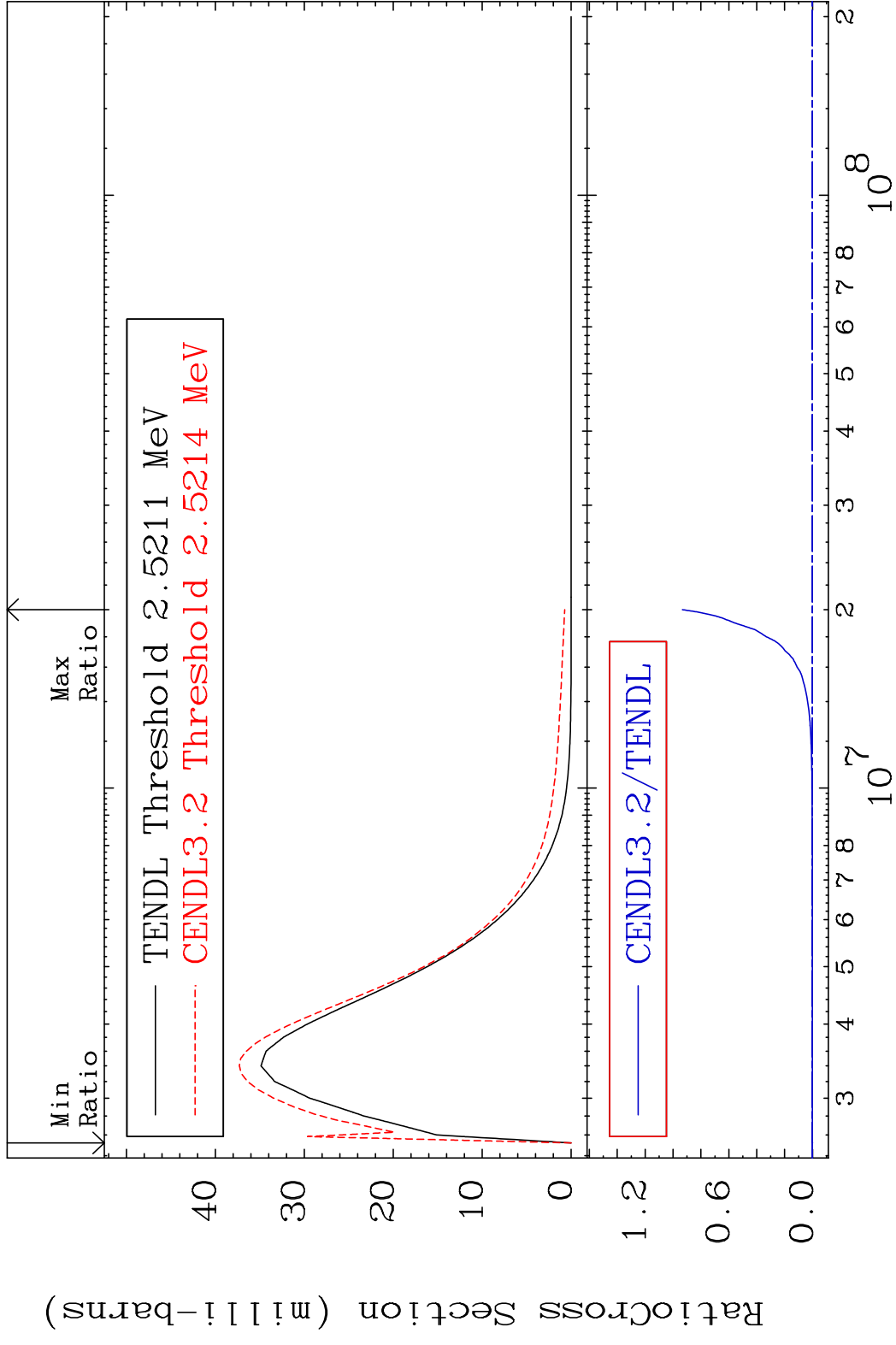


MAT 2725 MT= 63 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1493. %

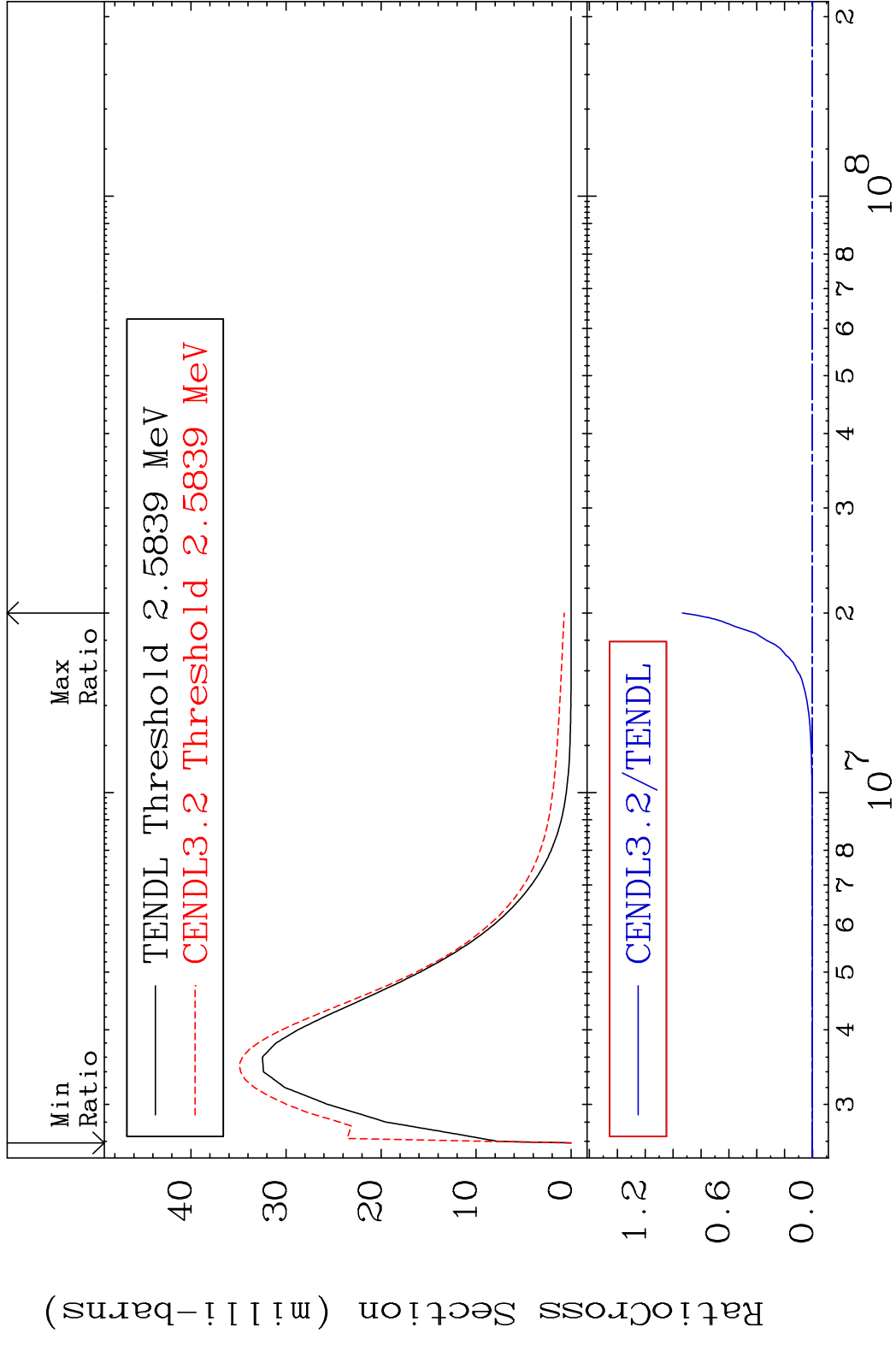


20 Incident Energy (eV) 27-Co-59

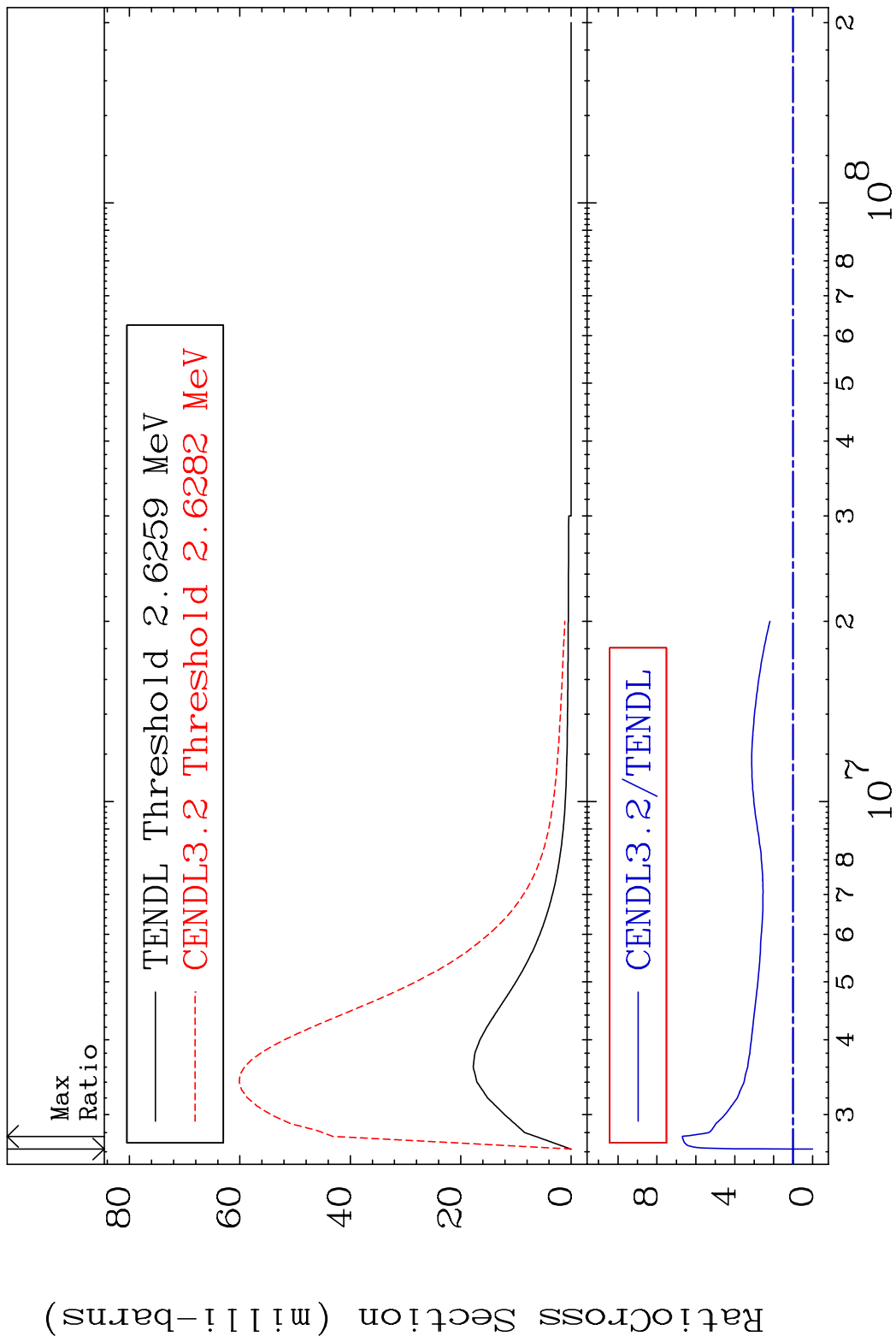
MAT 2725 MT= 64 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %



MAT 2725 MT= 65 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %

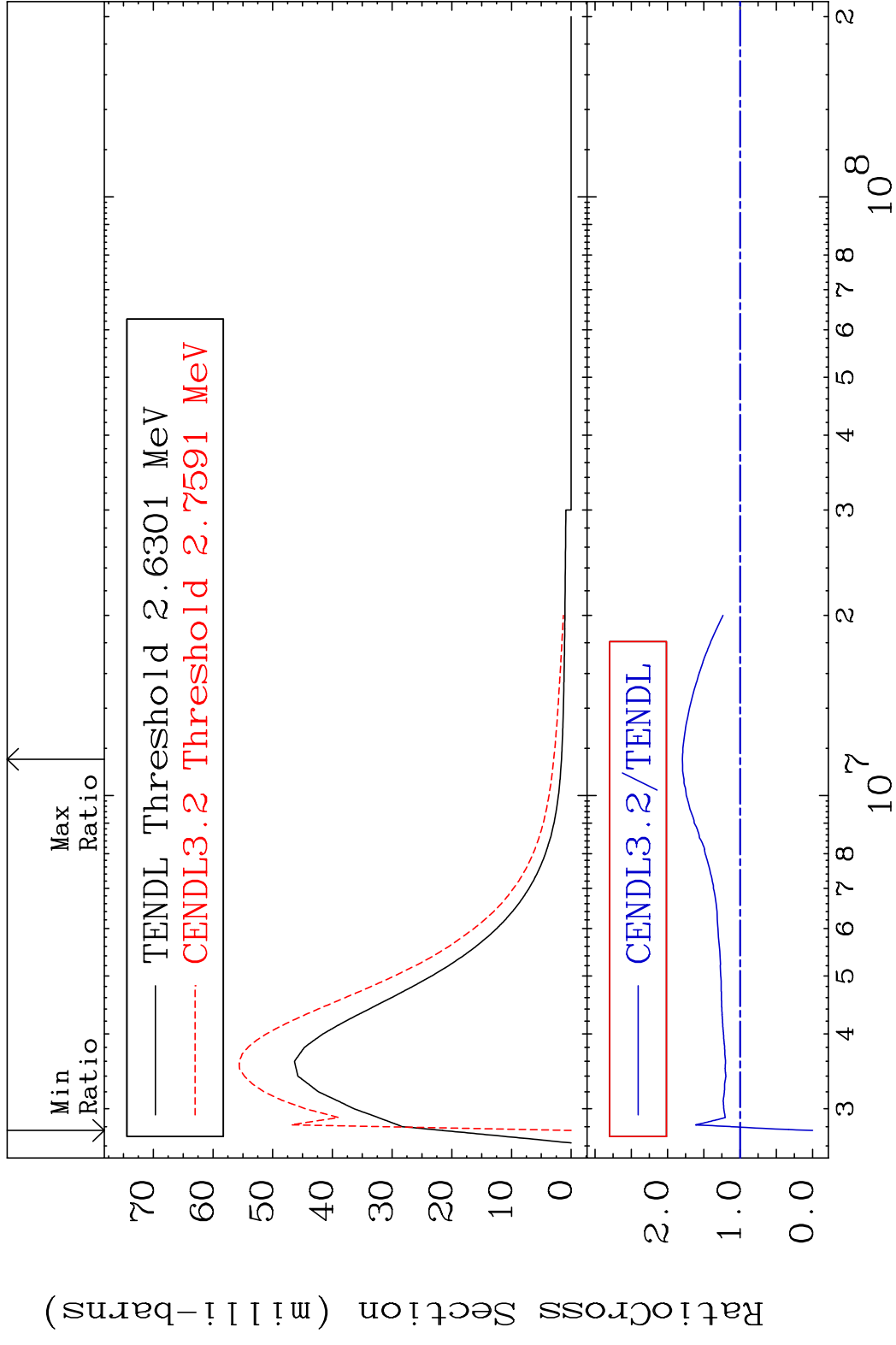


MAT 2725 MT= 66 (n,n') Level 27-Co-59  
 Cross Section -100.0 To 569.3 %

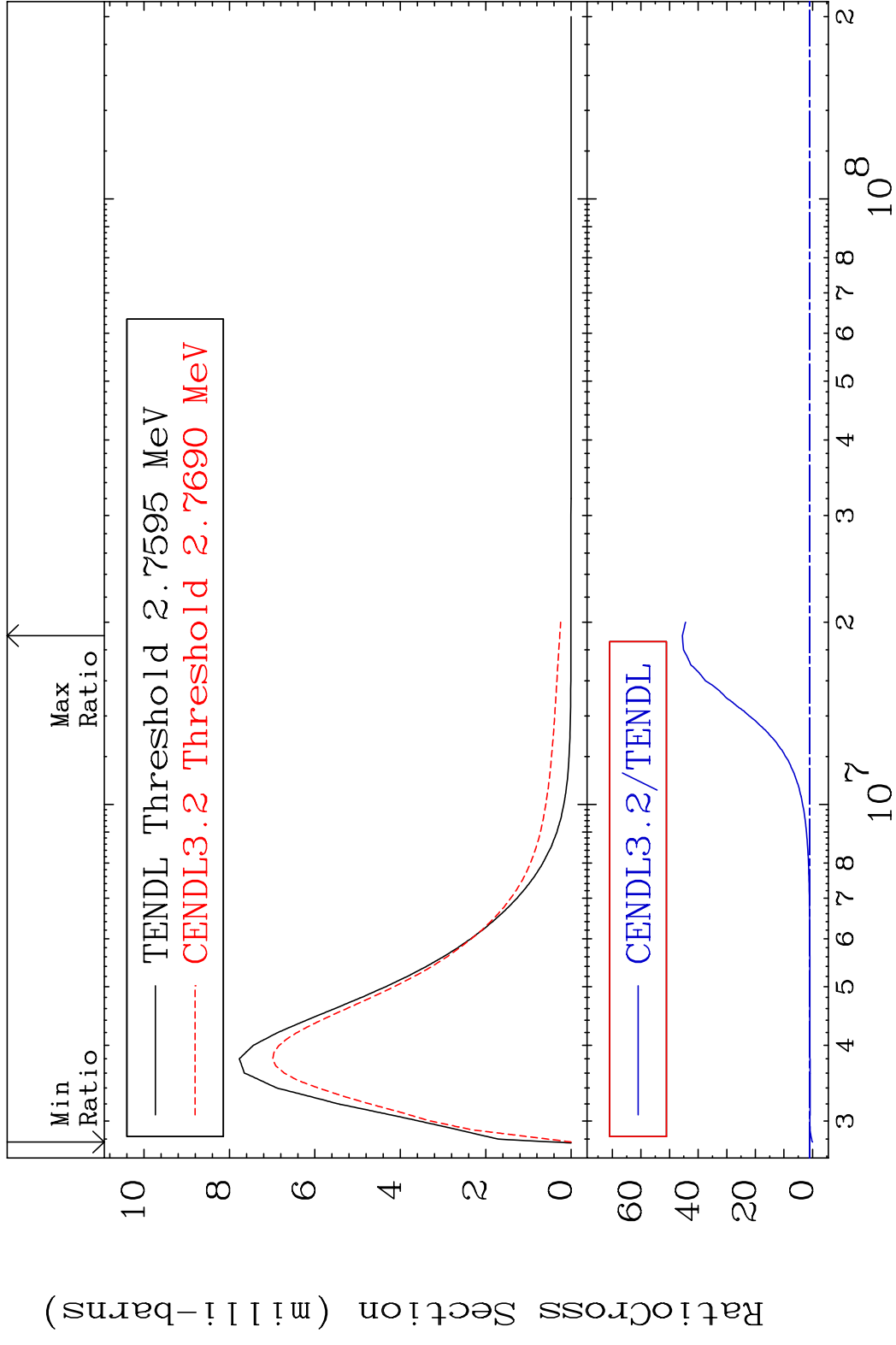




MAT 2725 MT= 67 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 79.57 %



MAT 2725 MT= 68 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 4453. %

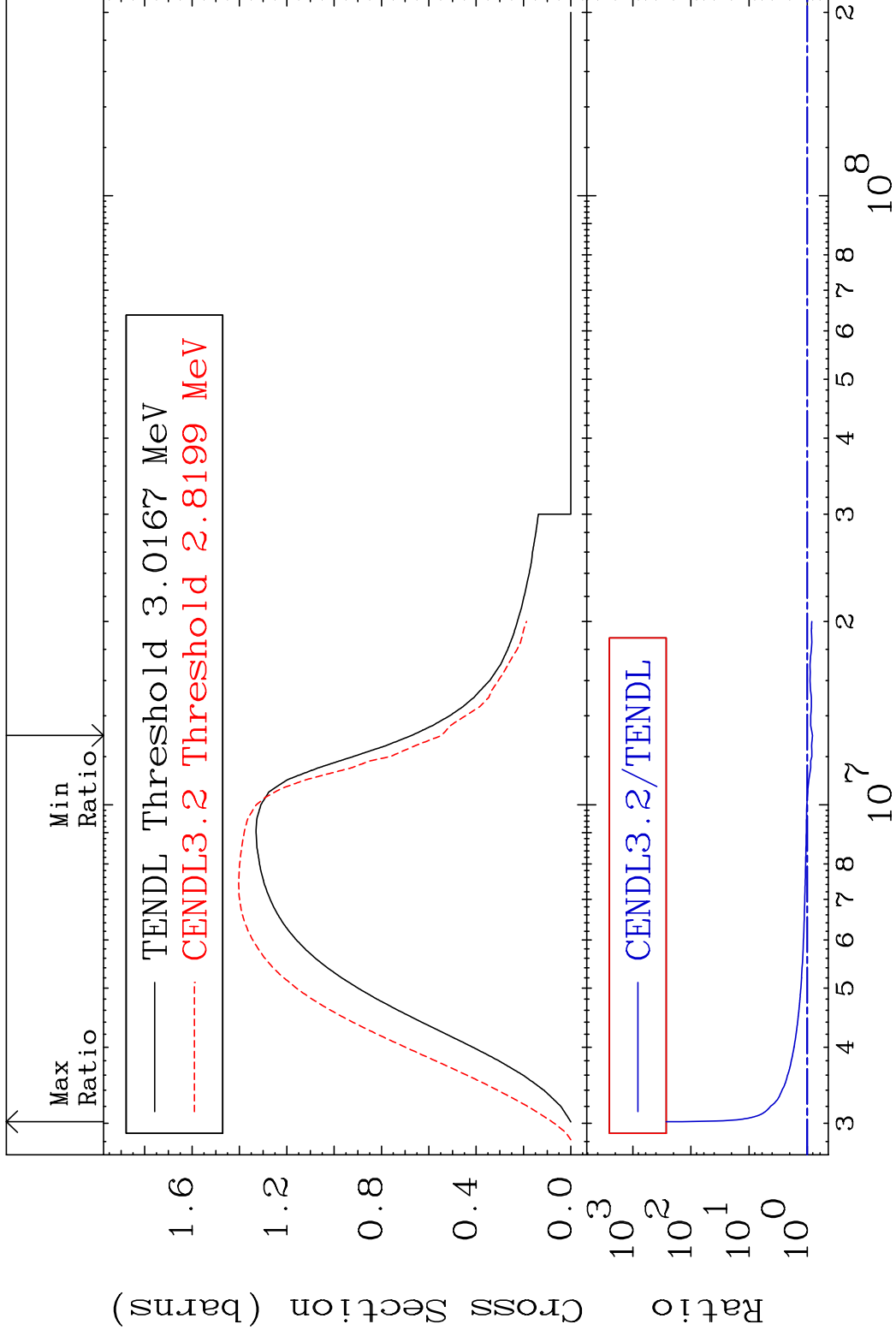


MAT 2725

(n, n') Continuum

27-Co-59

Cross Section -18.84 To 9999. %



26

Incident Energy (eV)

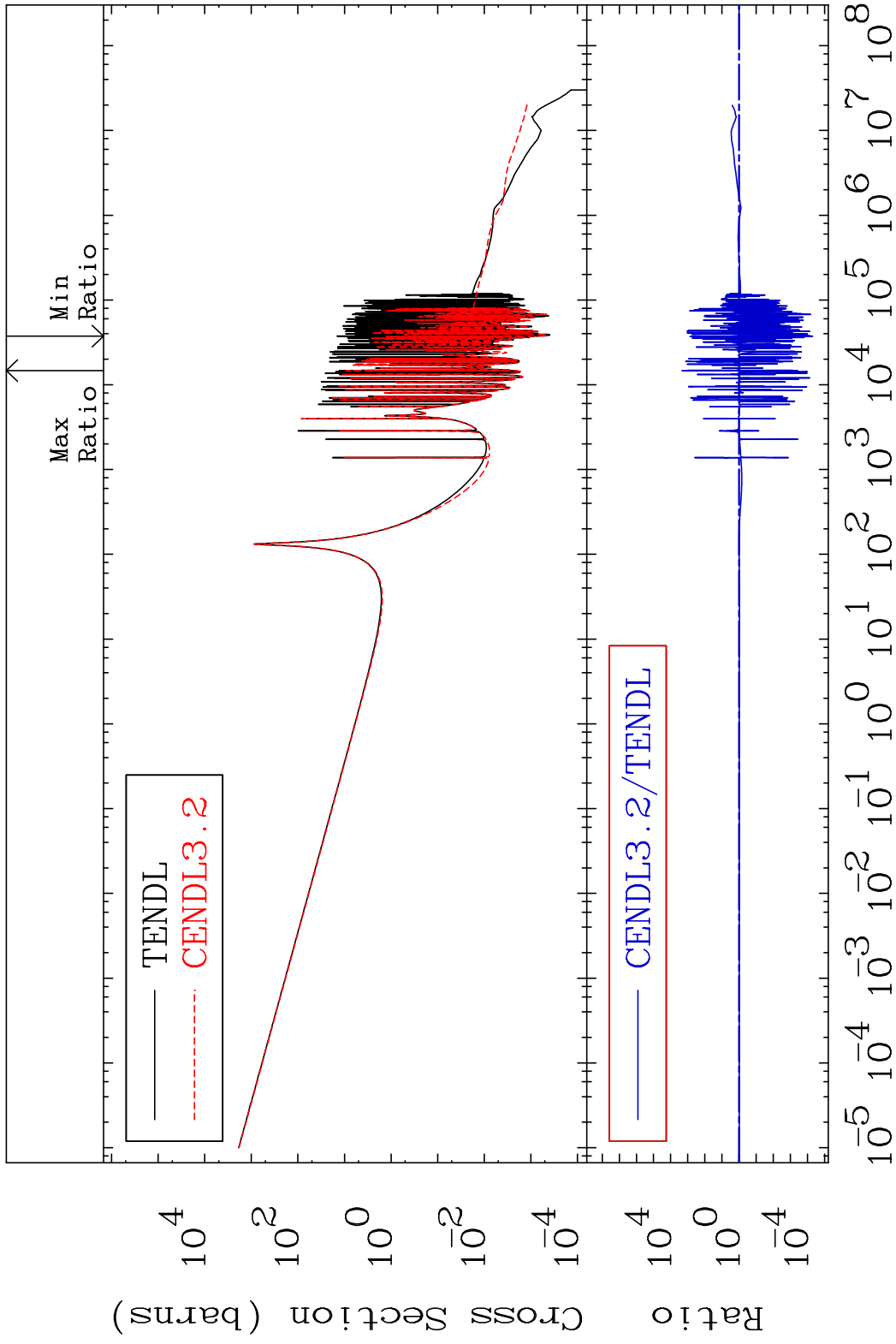
27-Co-59

MAT 2725

(n,  $\gamma$ )

27-Co-59

Cross Section -99.99 To 9999. %



27

Incident Energy (eV)

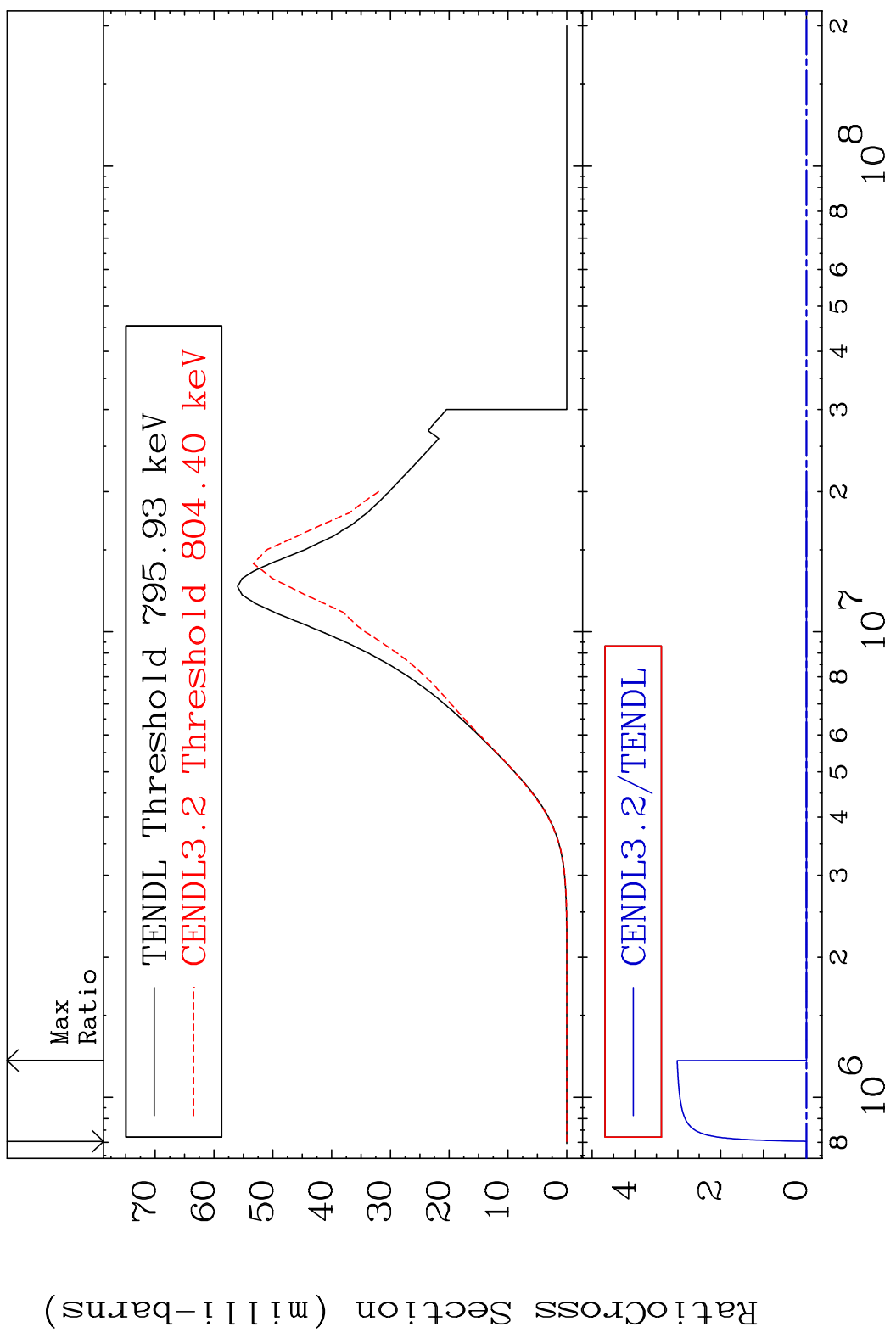
27-Co-59

MAT 2725

(n,p)

27-Co-59

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

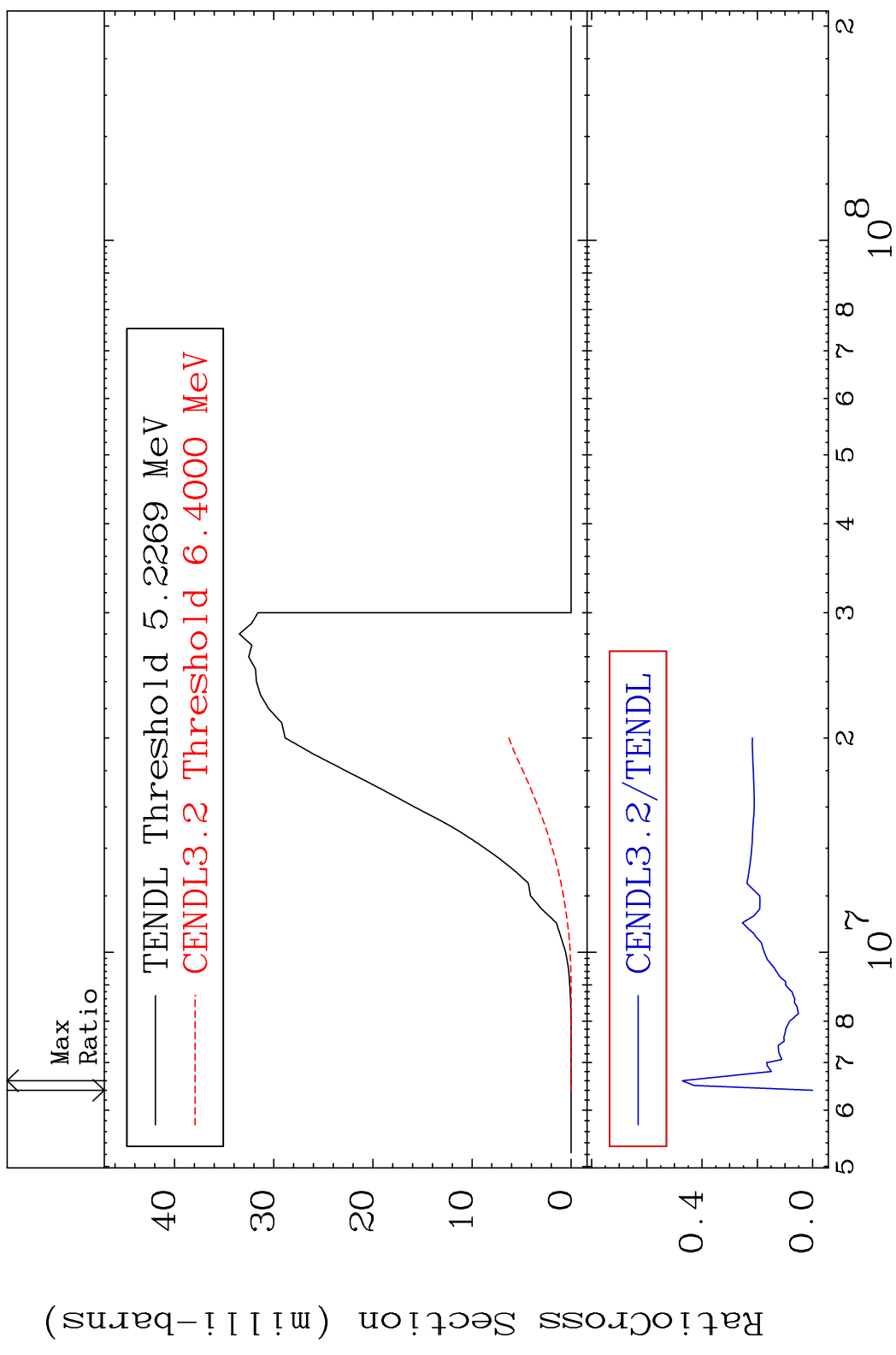
27-Co-59

MAT 2725

(n,d)

27-Co-59

Cross Section -100.0 To -52.86%



29

Incident Energy (eV)

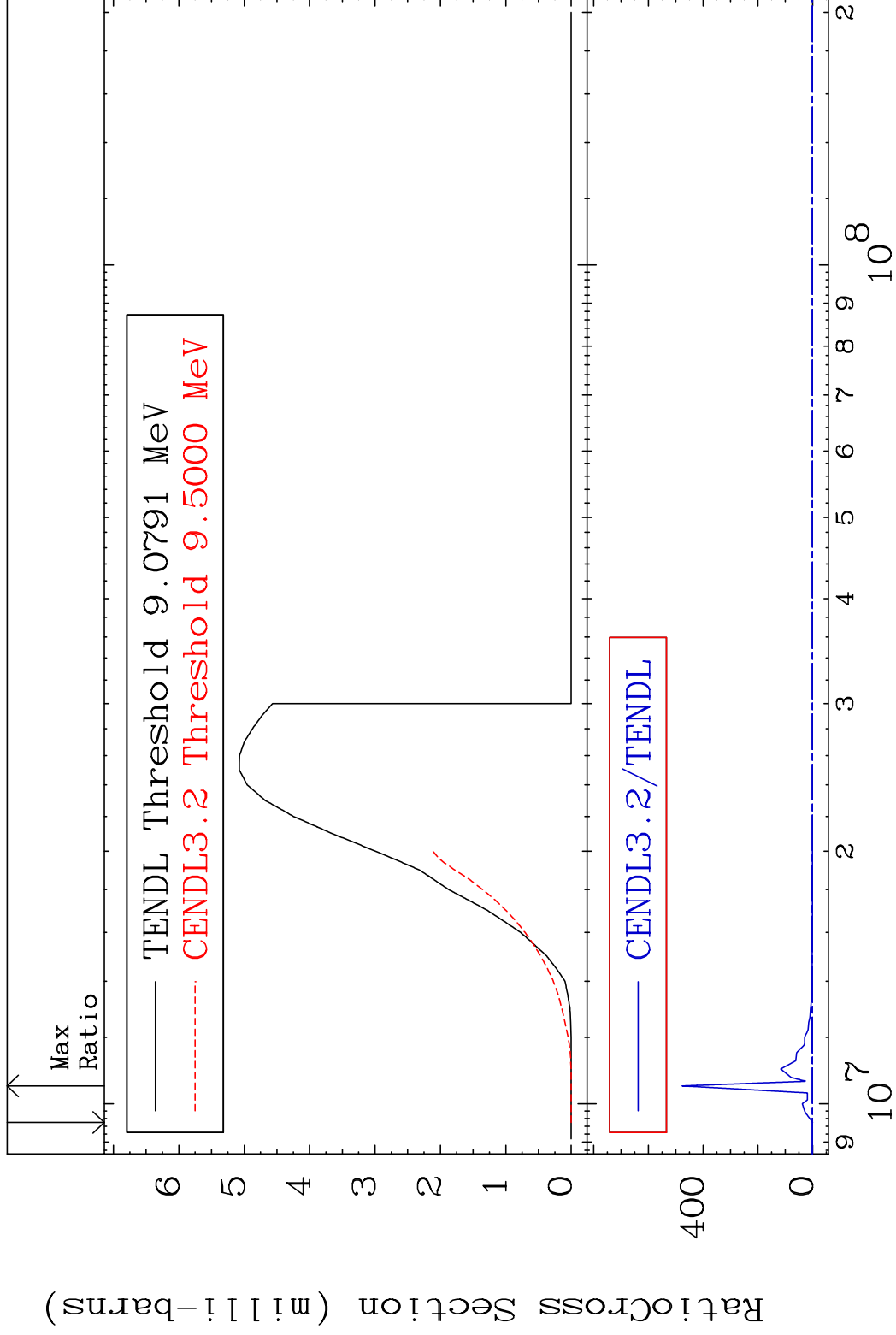
27-Co-59

MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

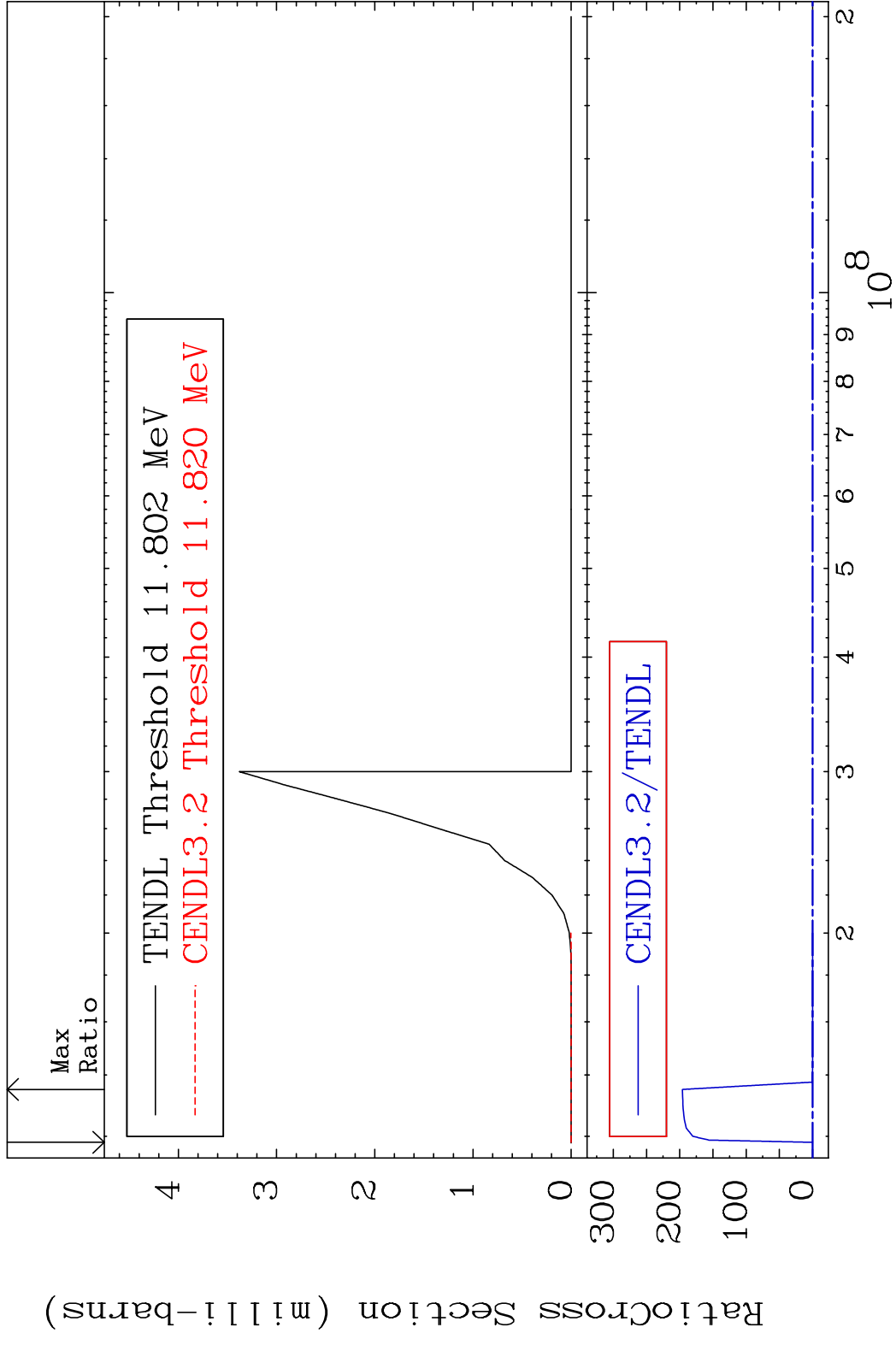
27-Co-59

MAT 2725

(n, He-3)

27-Co-59

Cross Section -100.0 To 9999. %



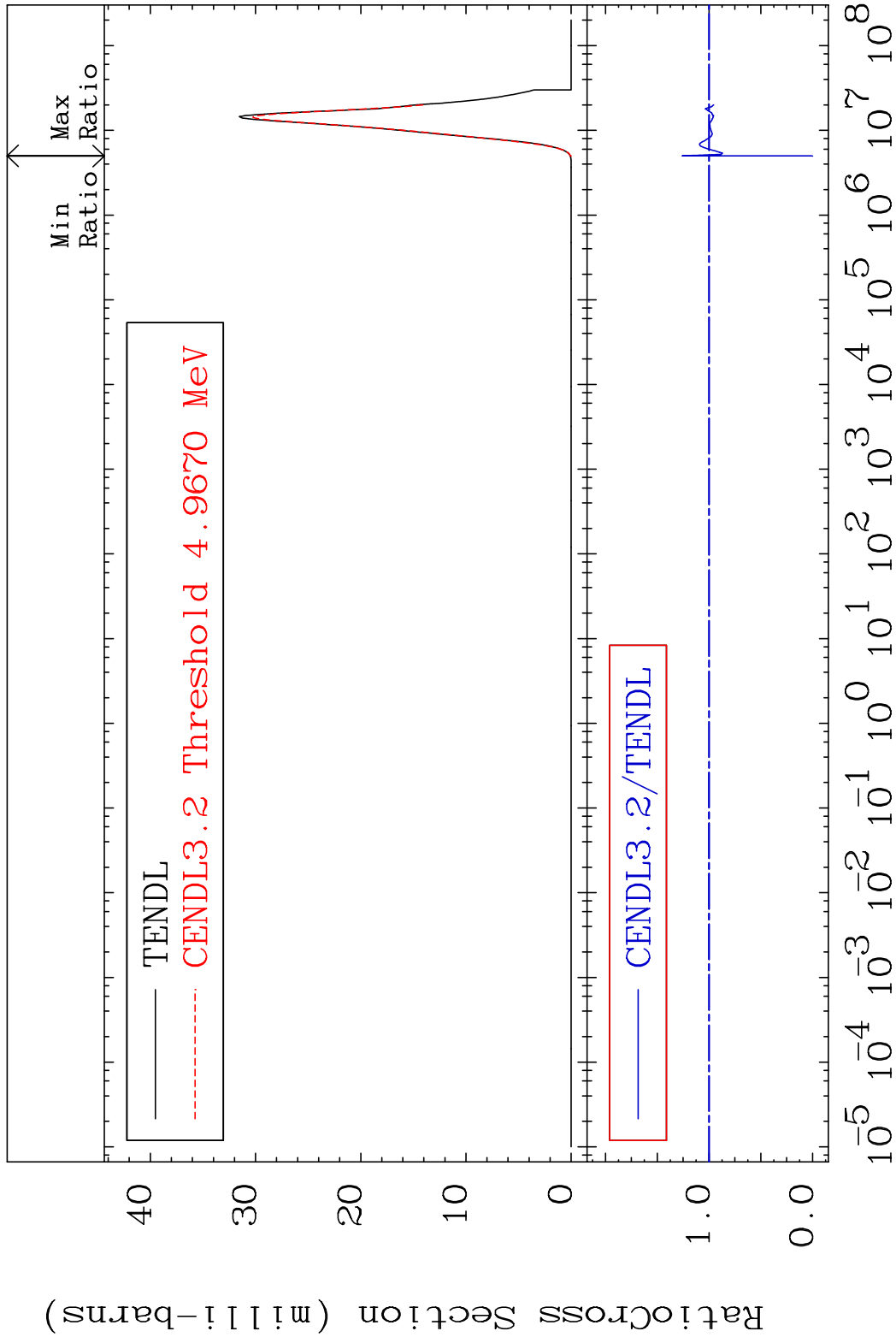


MAT 2725

(n,  $\alpha$ )

27-Co-59

Cross Section -100.0 To 25.78 %

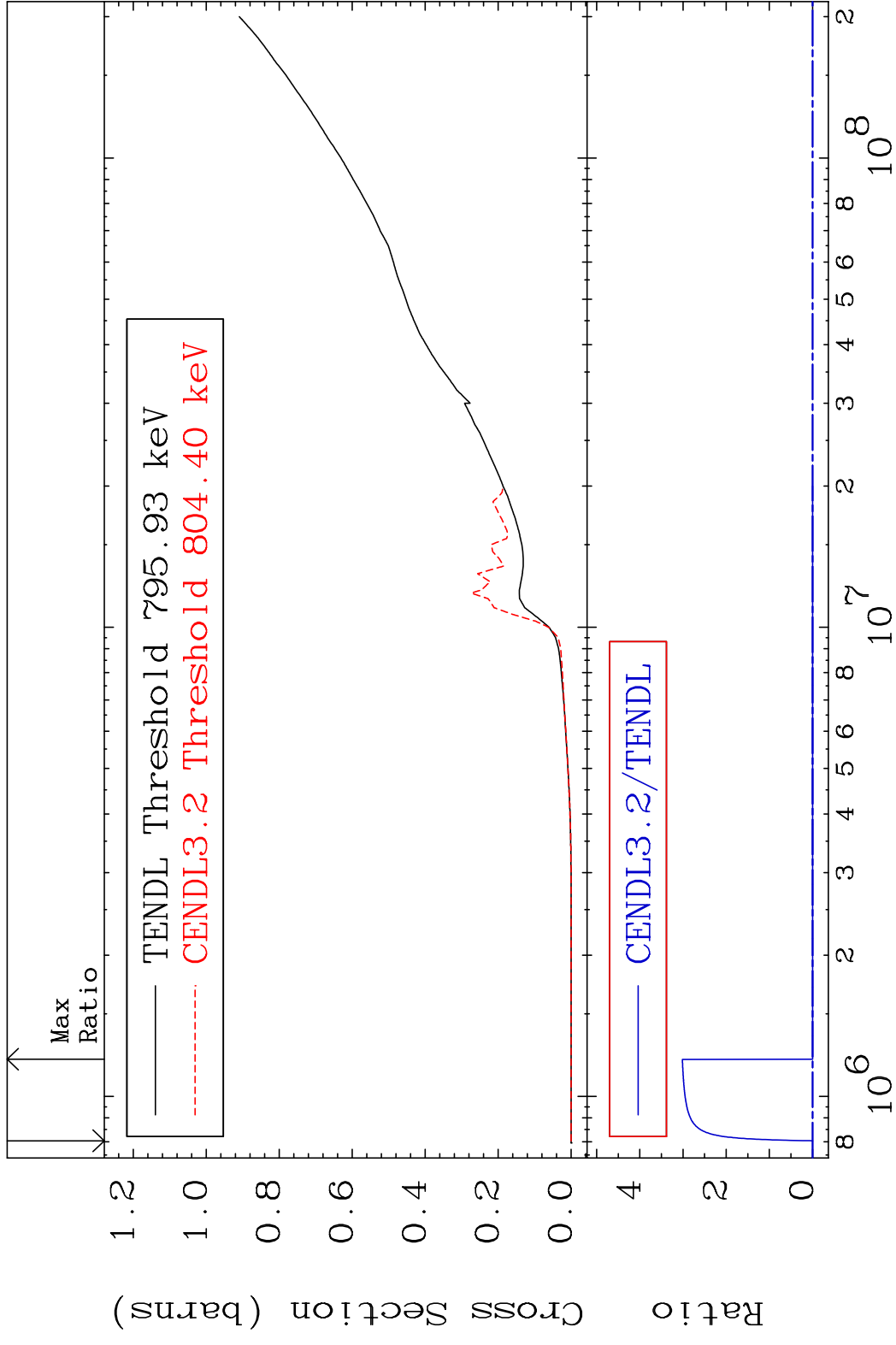


32

Incident Energy (eV)

27-Co-59

MAT 2725 Hydrogen Production 27-Co-59  
 Cross Section -100.0 To 9999. %

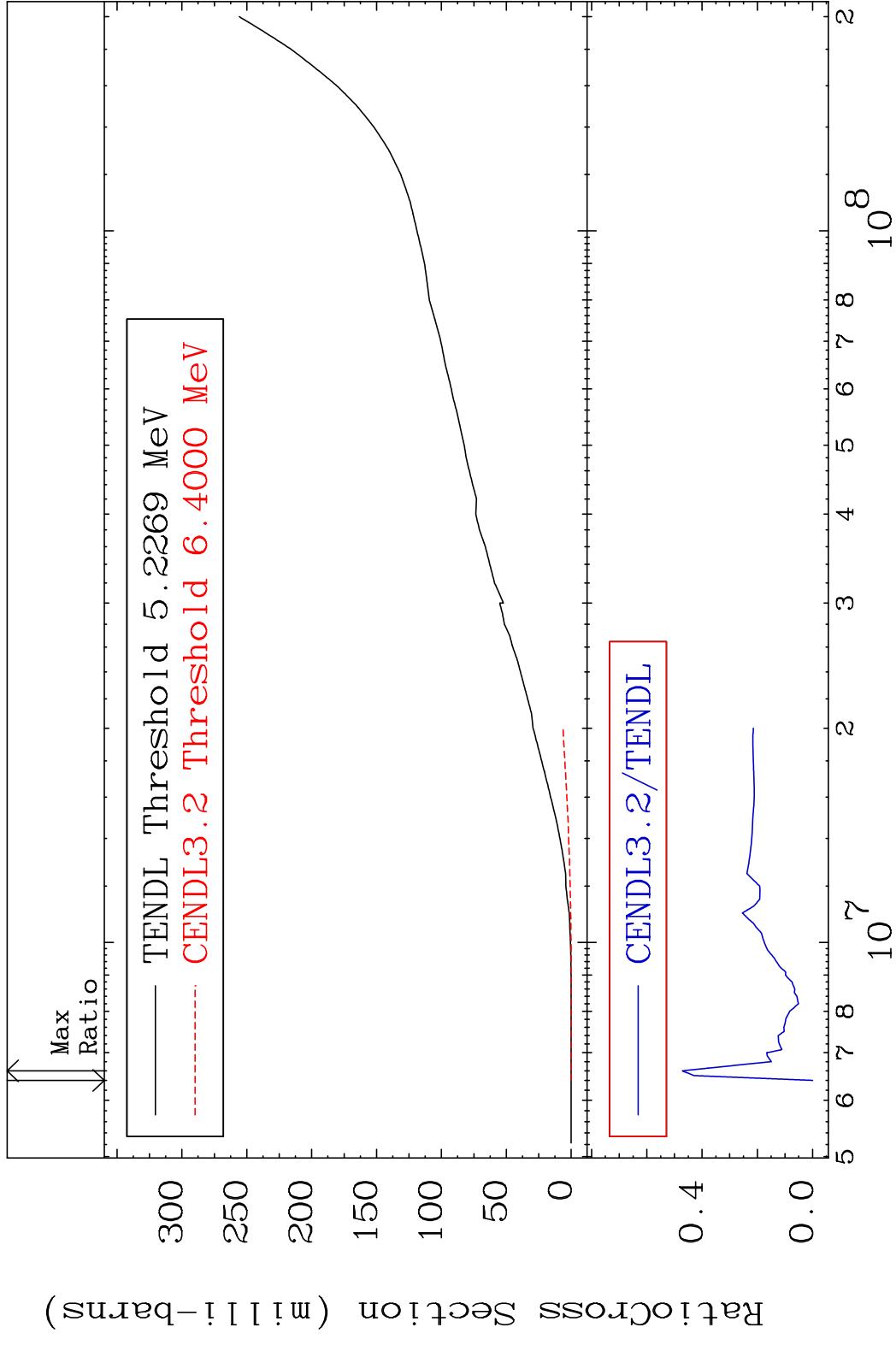


33 Incident Energy (eV) 27-Co-59

MAT 2725

Deuterium Production 27-Co-59

Cross Section -100.0 To -52.86%

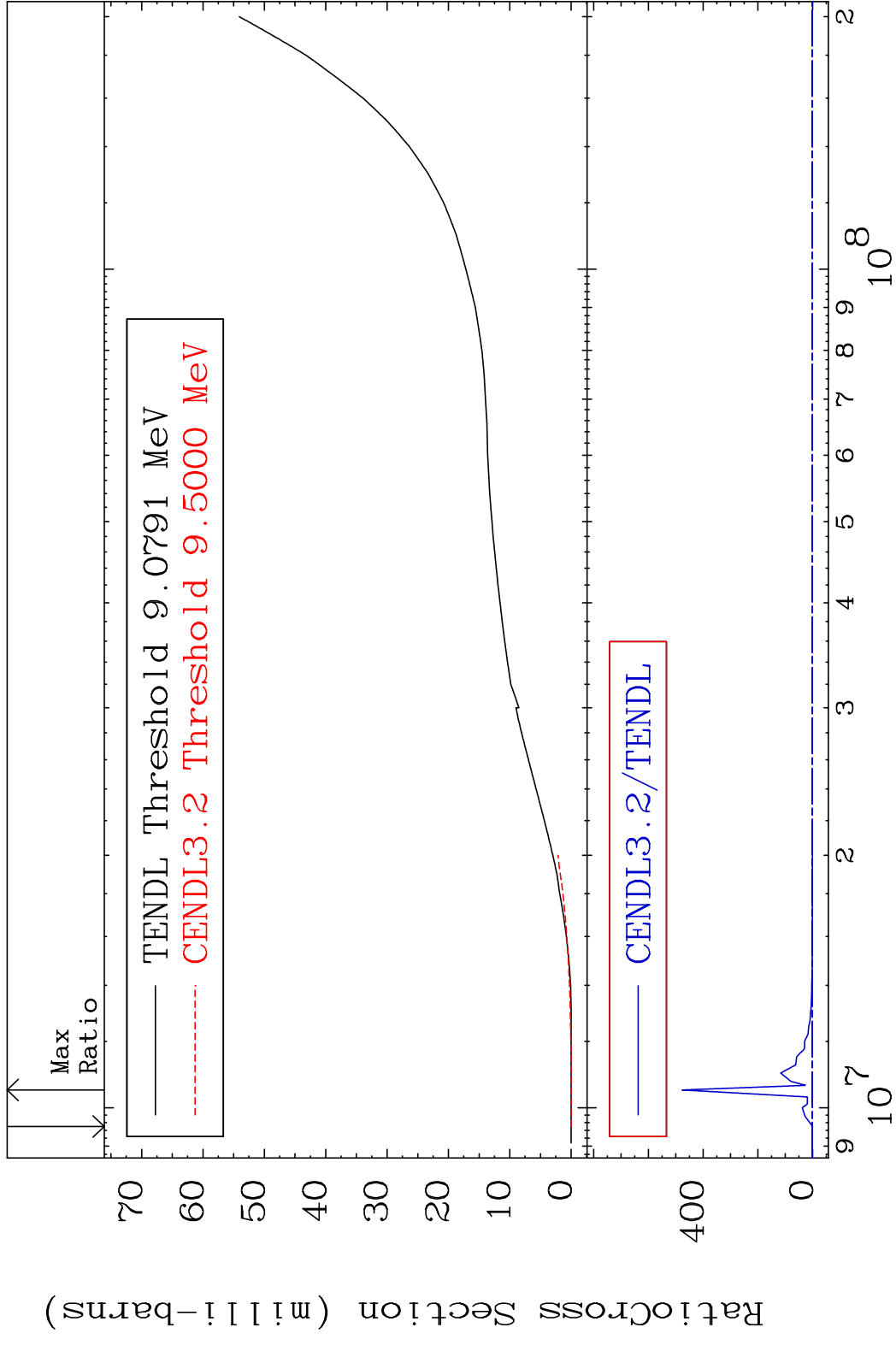


34

Incident Energy (eV)

27-Co-59

MAT 2725 Tritium Production 27-Co-59  
 Cross Section -100.0 To 9999. %



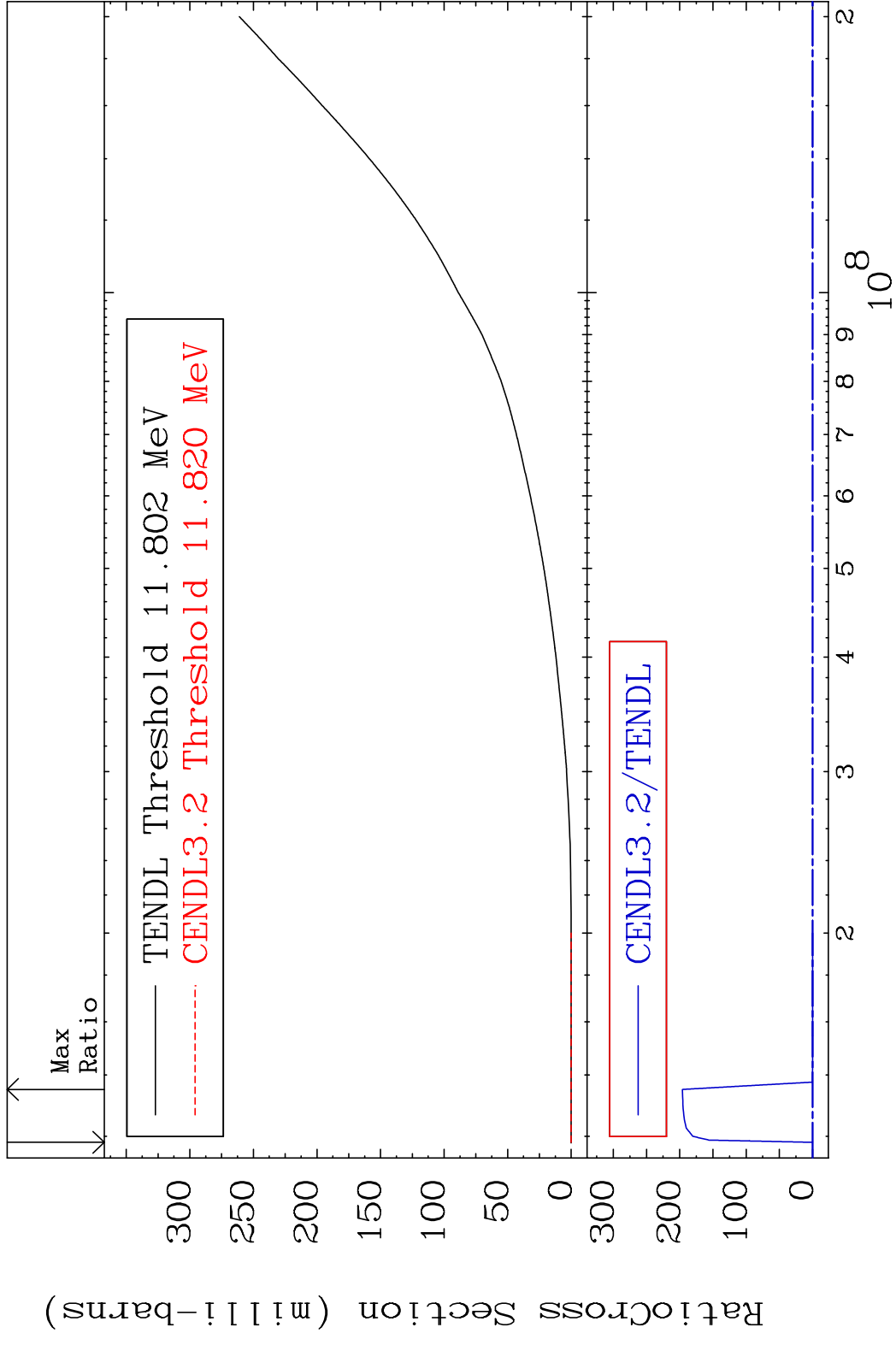
35 Incident Energy (eV) 27-Co-59

MAT 2725

He-3 Production

27-Co-59

Cross Section -100.0 To 9999. %

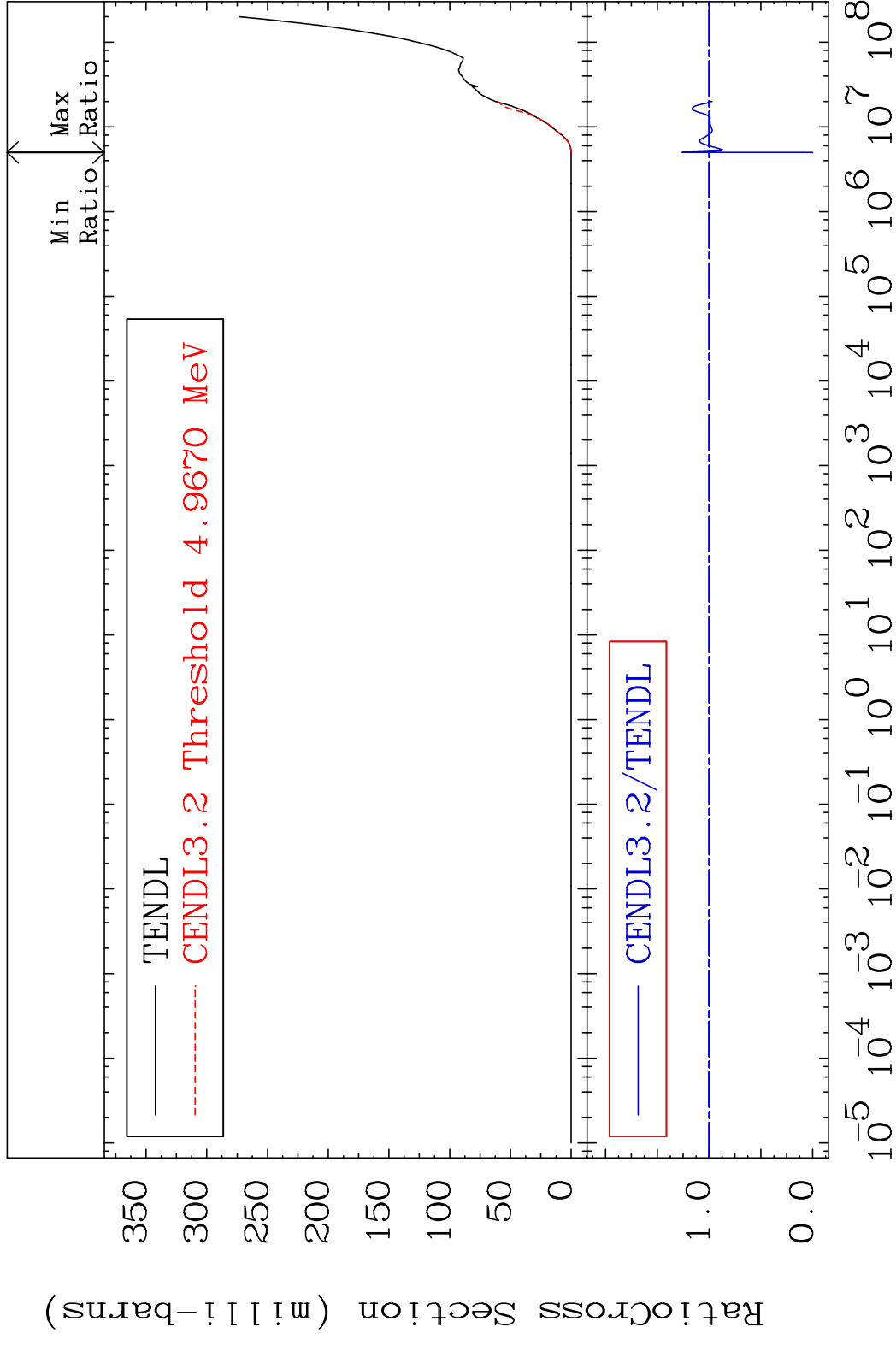


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 25.78 %

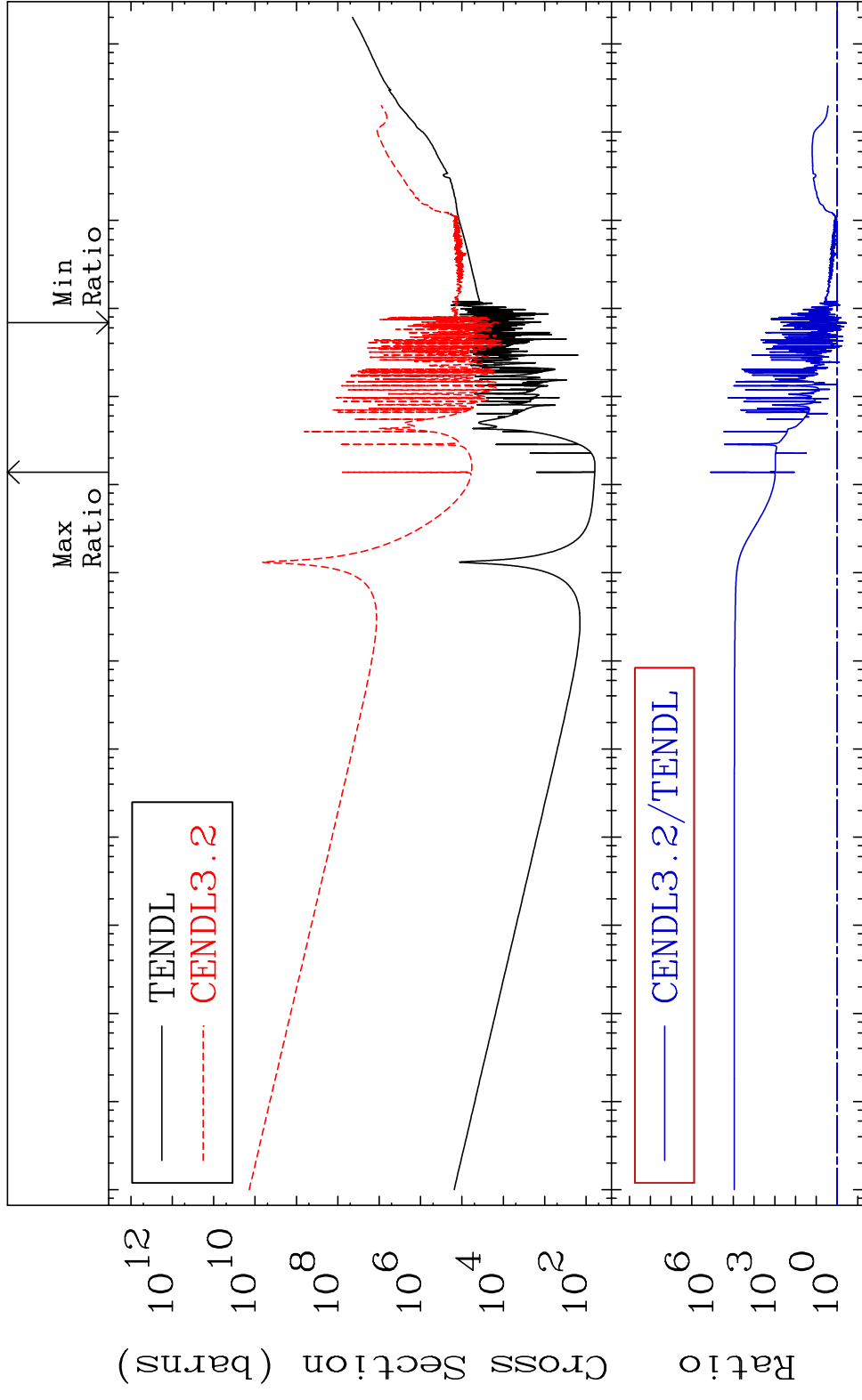


37

Incident Energy (eV)

27-Co-59

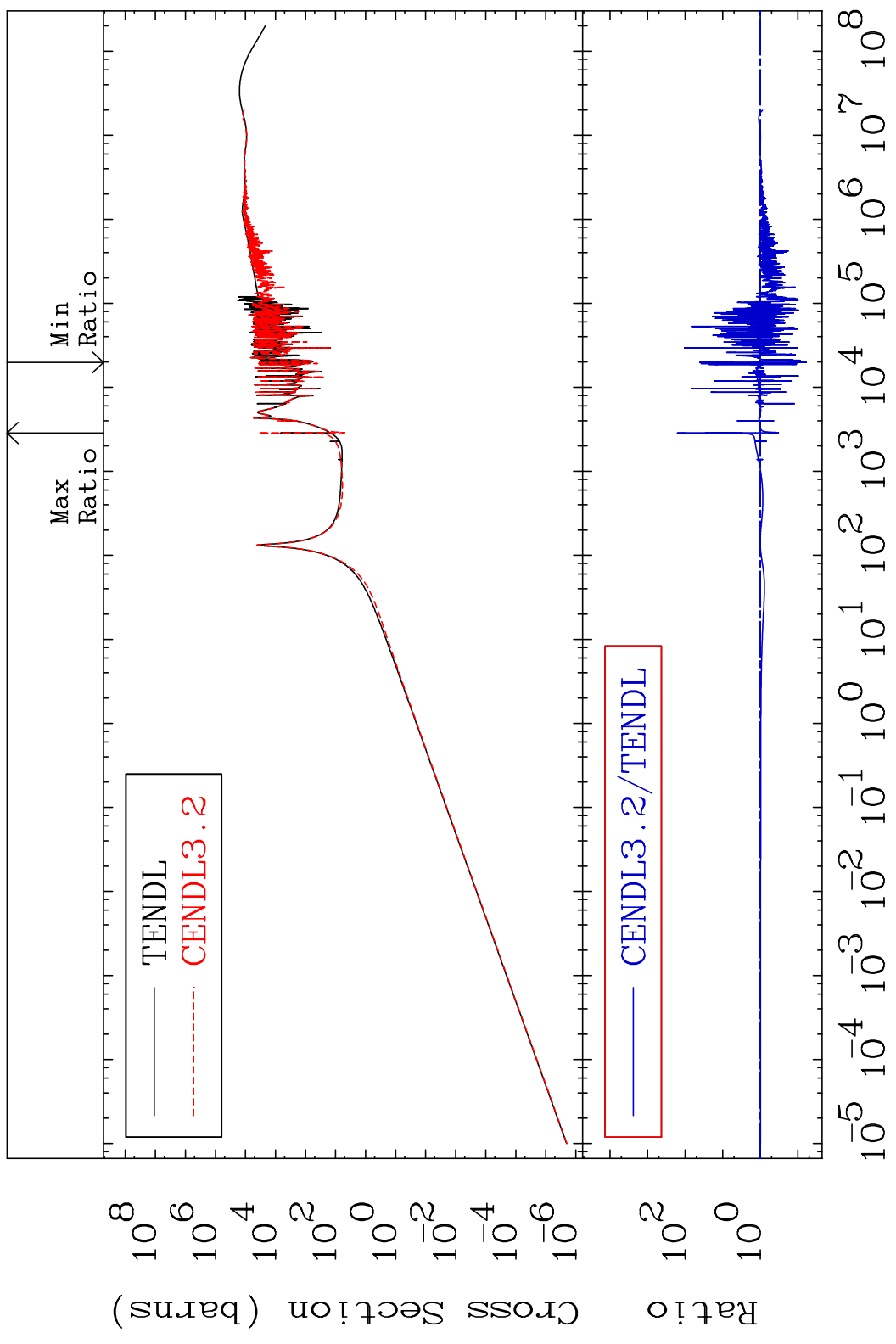
MAT 2725 Kerma total (eV-barns) 27-Co-59  
 Cross Section -64.20 To 9999. %



MAT 2725

Kerma elastic Cross Section -94.11 To 9999. %

27-Co-59



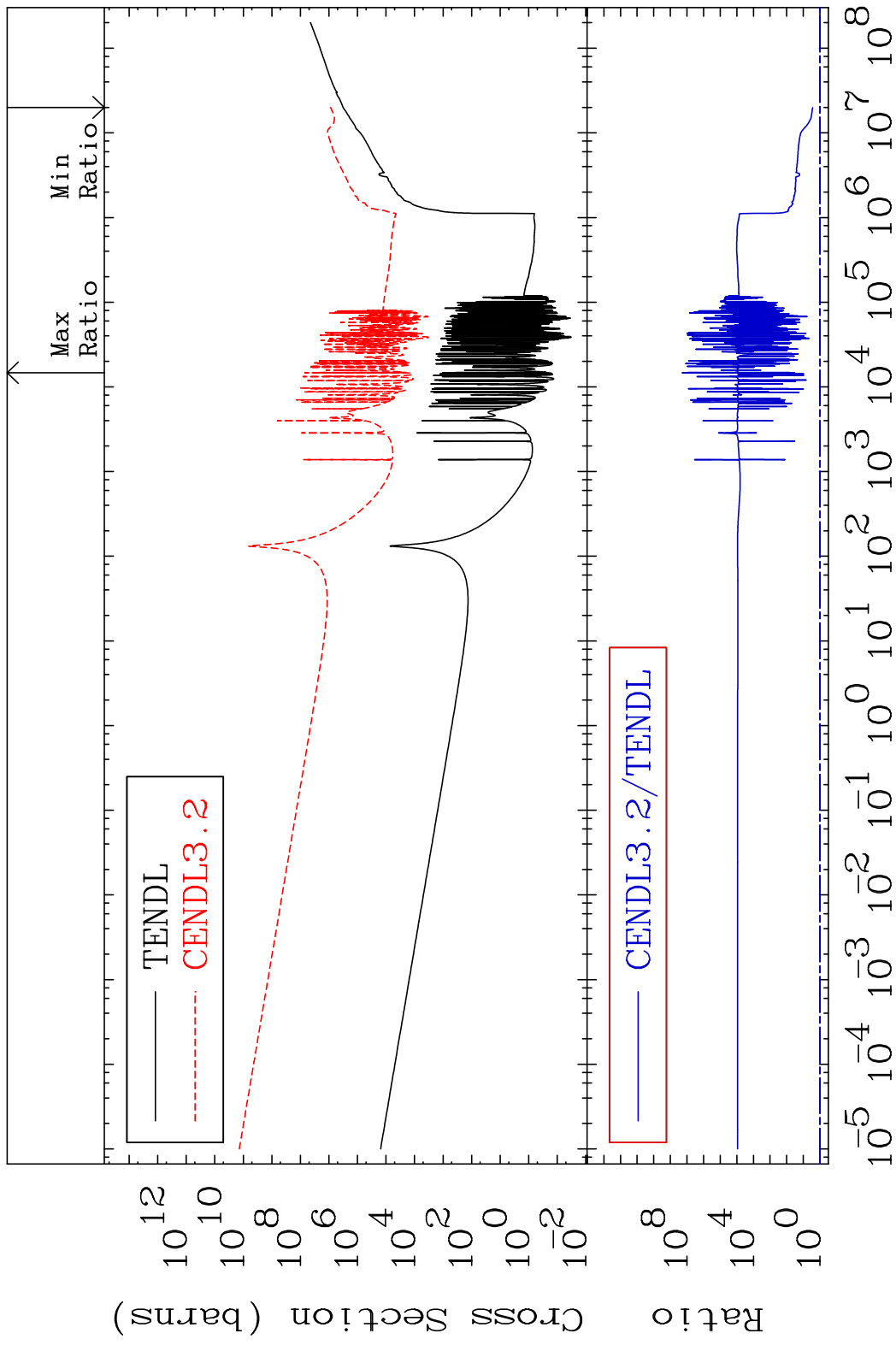
39

Incident Energy (eV)

27-Co-59

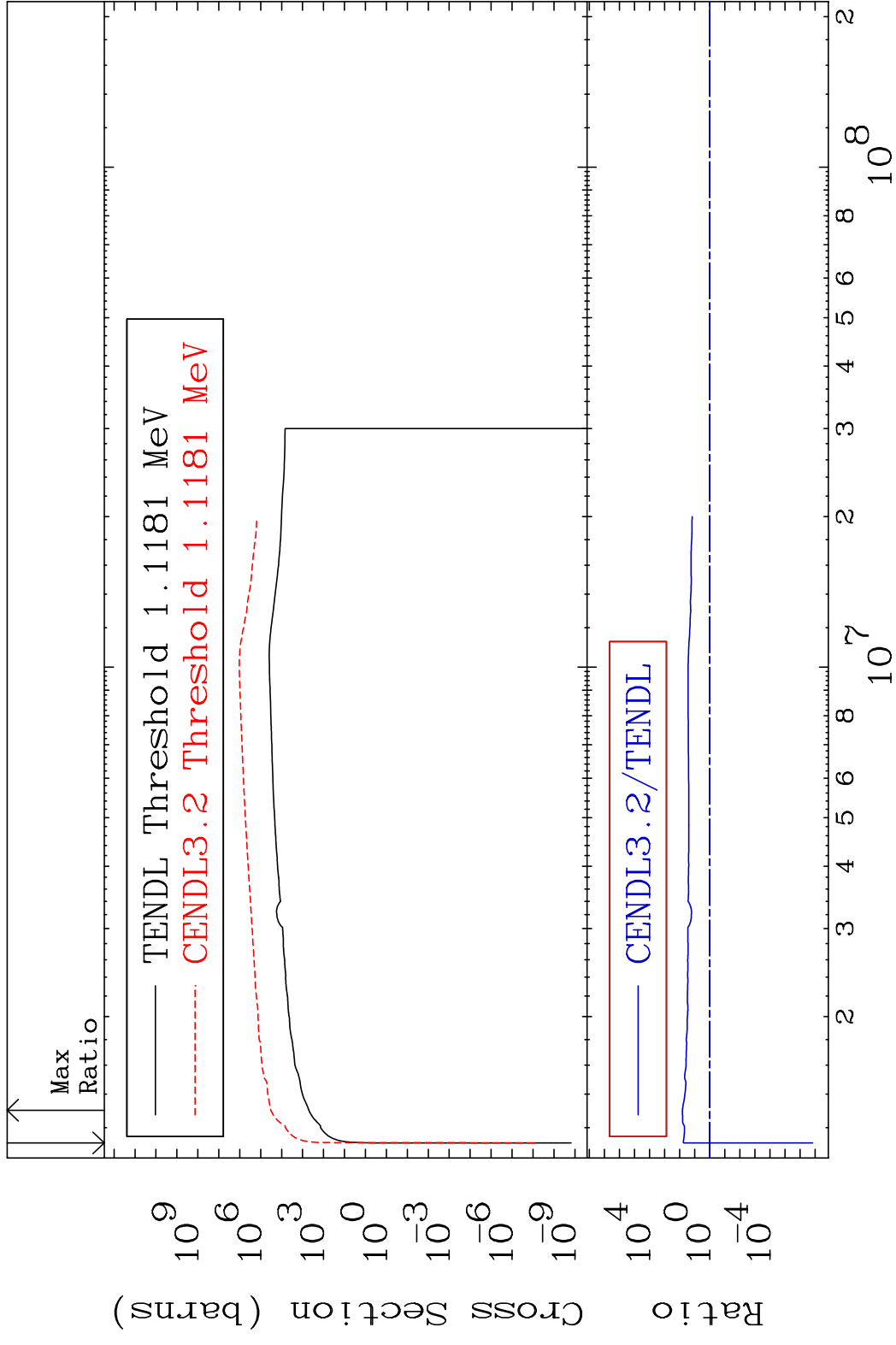


MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59  
 Cross Section 176.6 To 9999. %

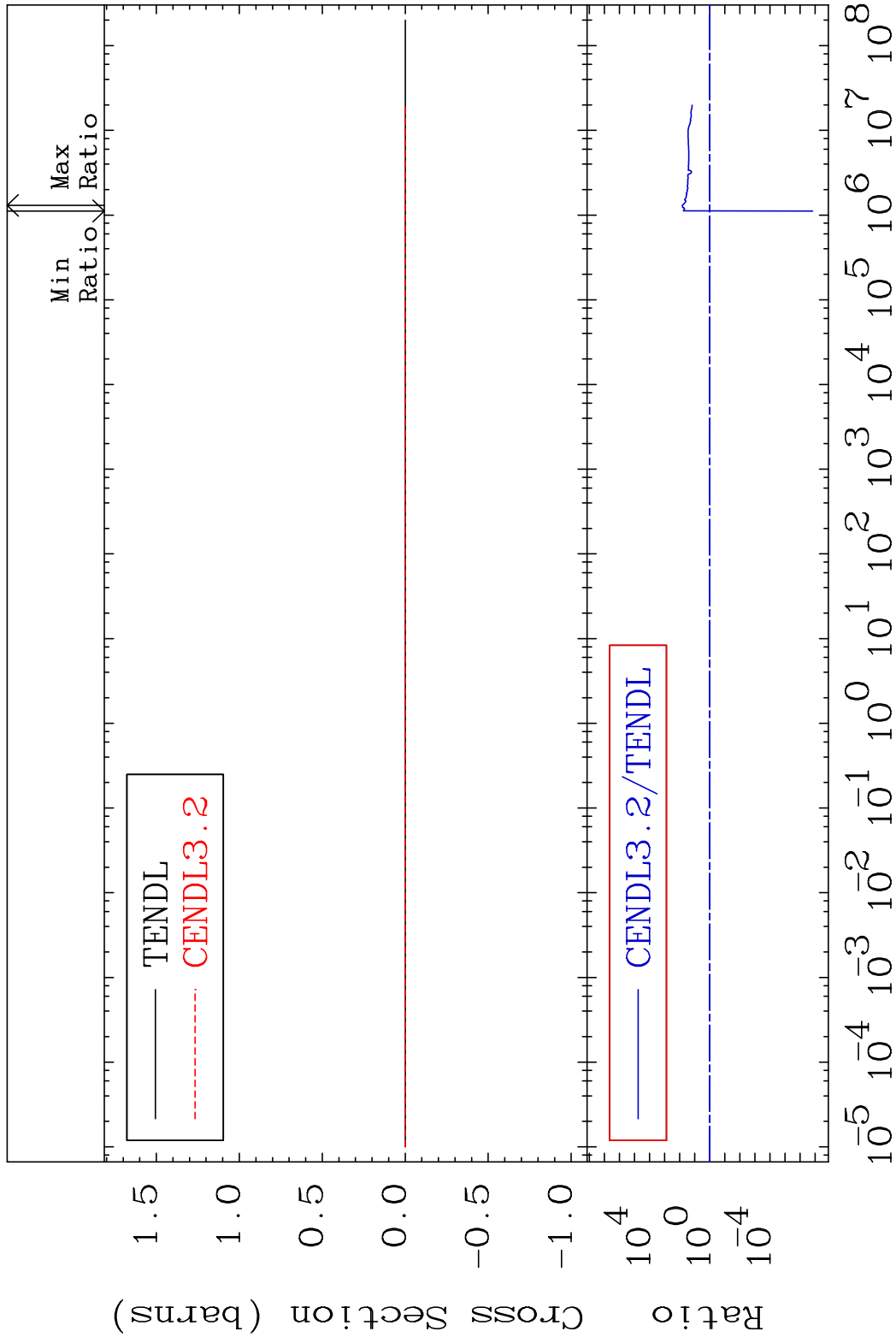


40 Incident Energy (eV) 27-Co-59

MAT 2725 Kerma inelastic (mt51-91) 27-Co-59  
 Cross Section -100.0 To 6503. %

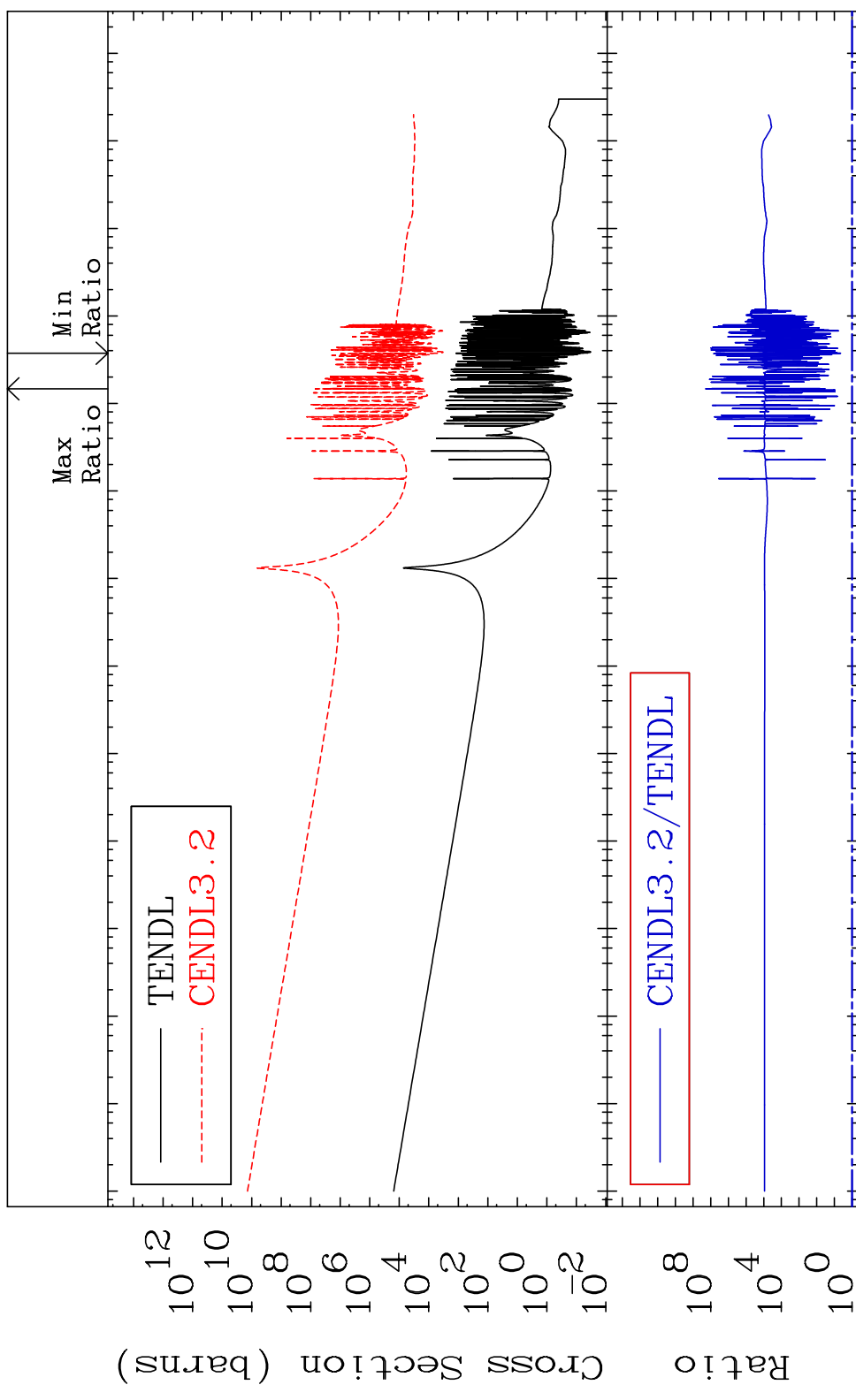


MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59  
 Cross Section -100.0 To 6503. %



MAT 2725

Kerma capture (mt102) 27-Co-59  
Cross Section 357.7 To 9999. %

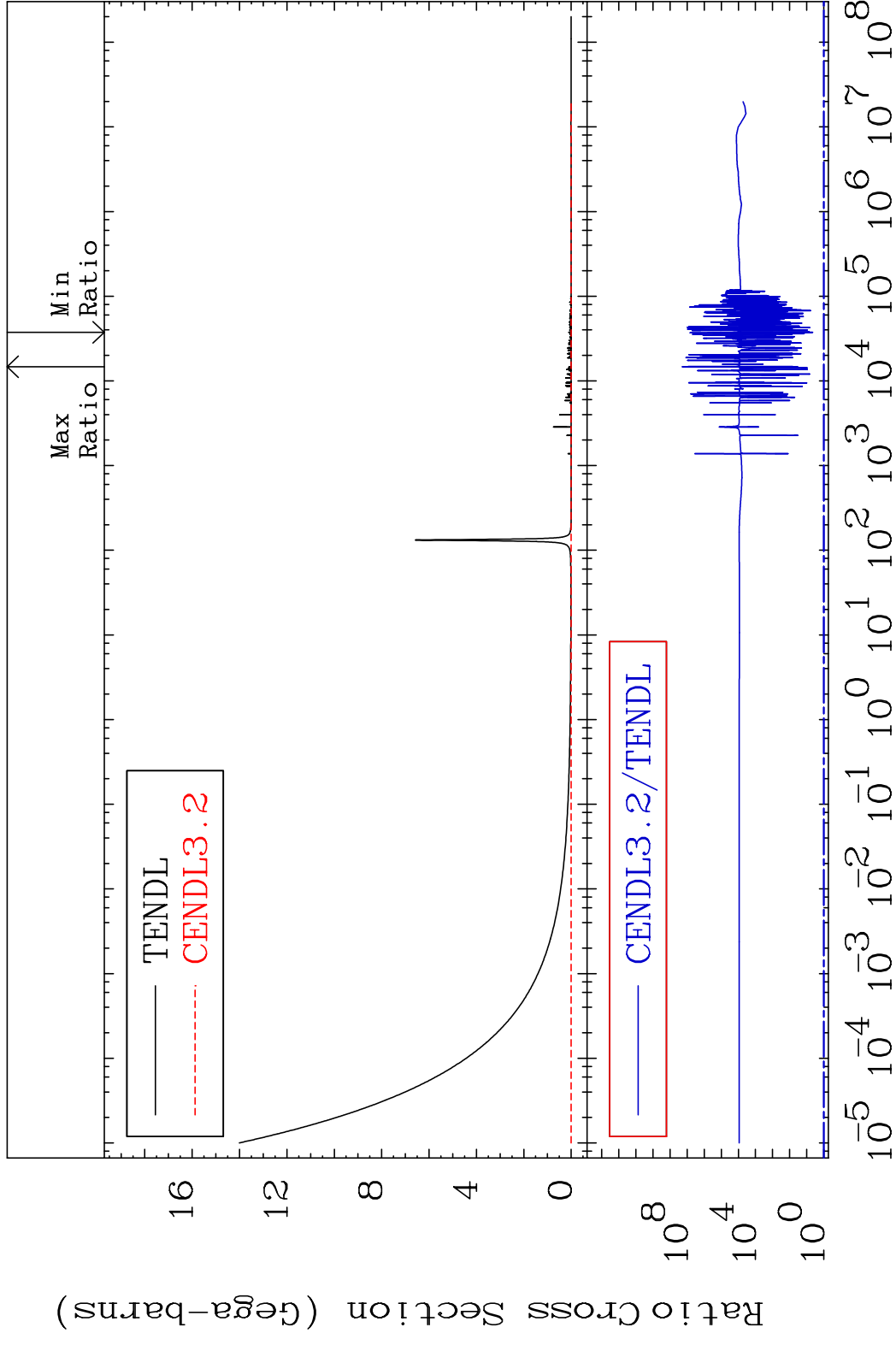


43

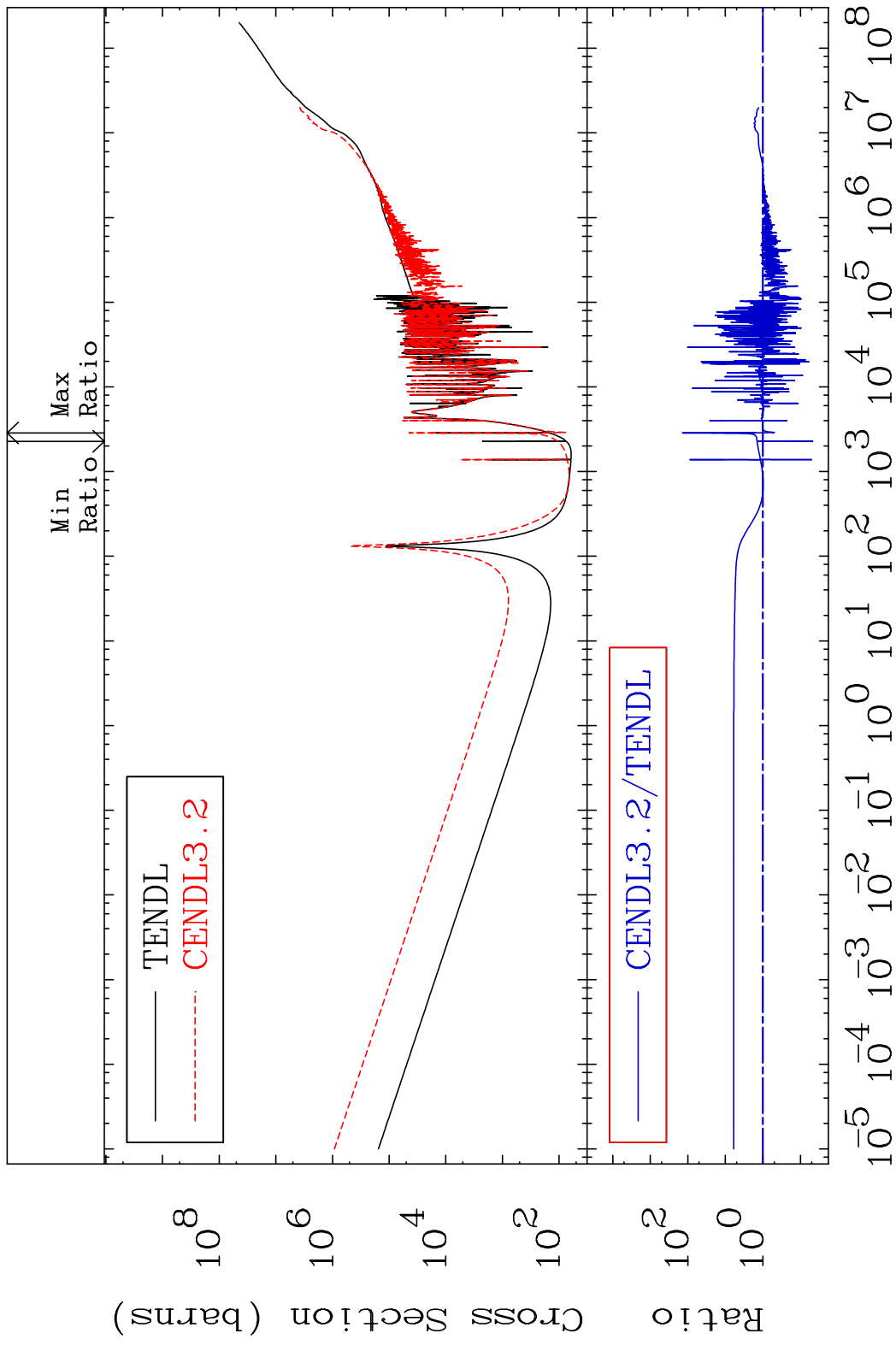
Incident Energy (eV)

27-Co-59

MAT 2725 Total photon (eV-barns) 27-Co-59  
 Cross Section 357.7 To 9999. %



MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
 Cross Section -95.24 To 9999. %

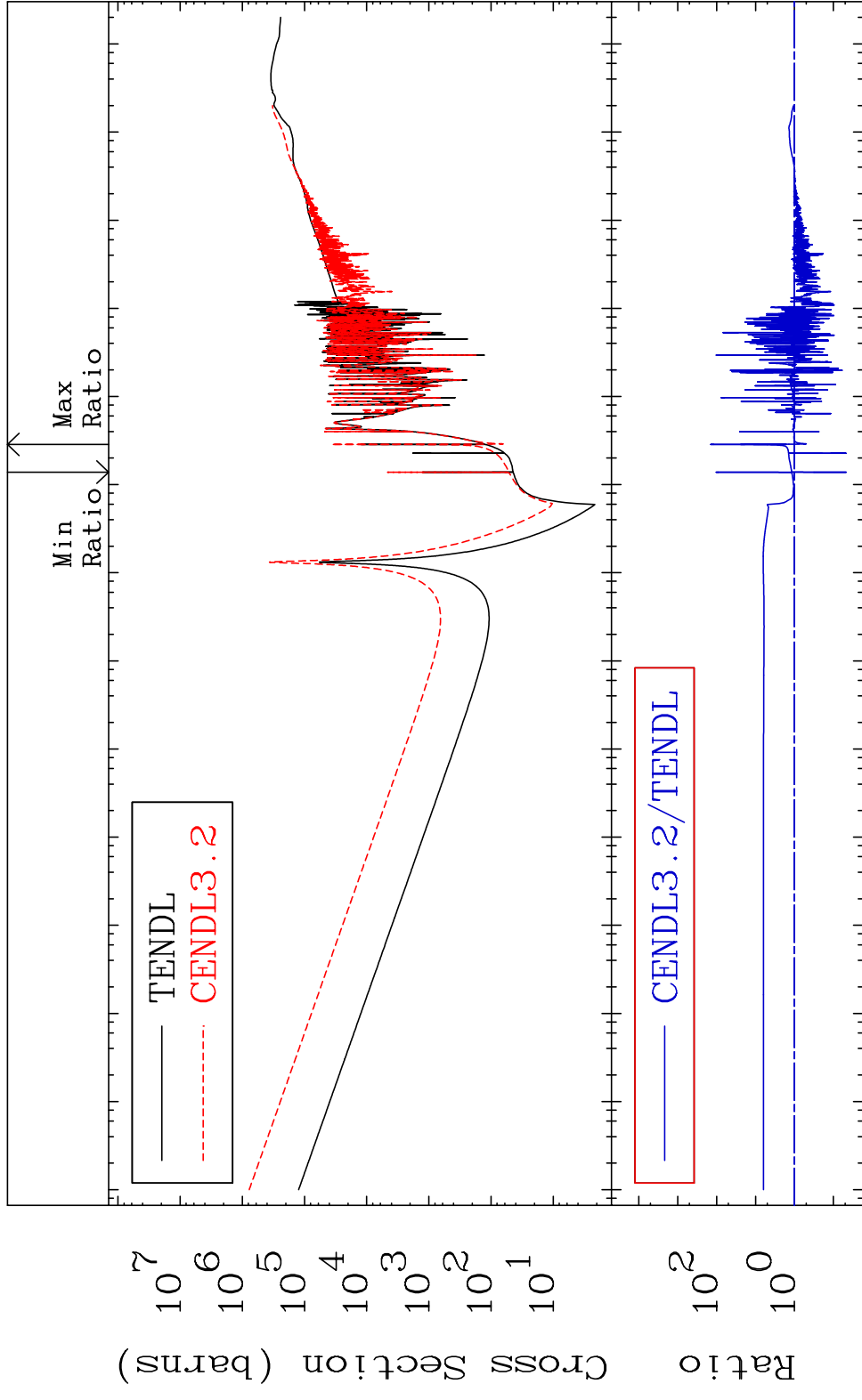


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -95.34 To 9999. %

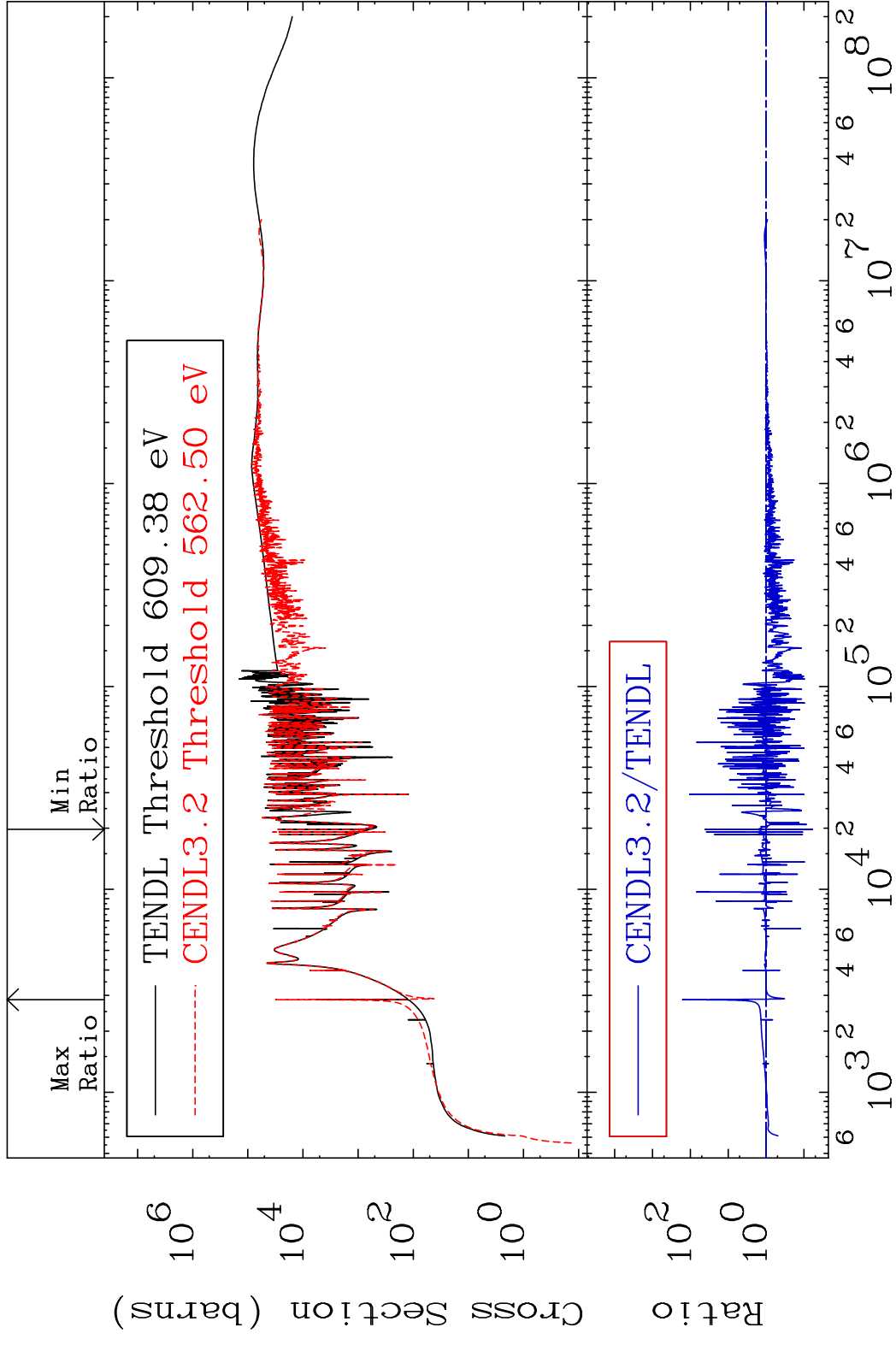


MAT 2725

Dpa elastic (mt2)

27-Co-59

Cross Section -94.11 To 9999. %



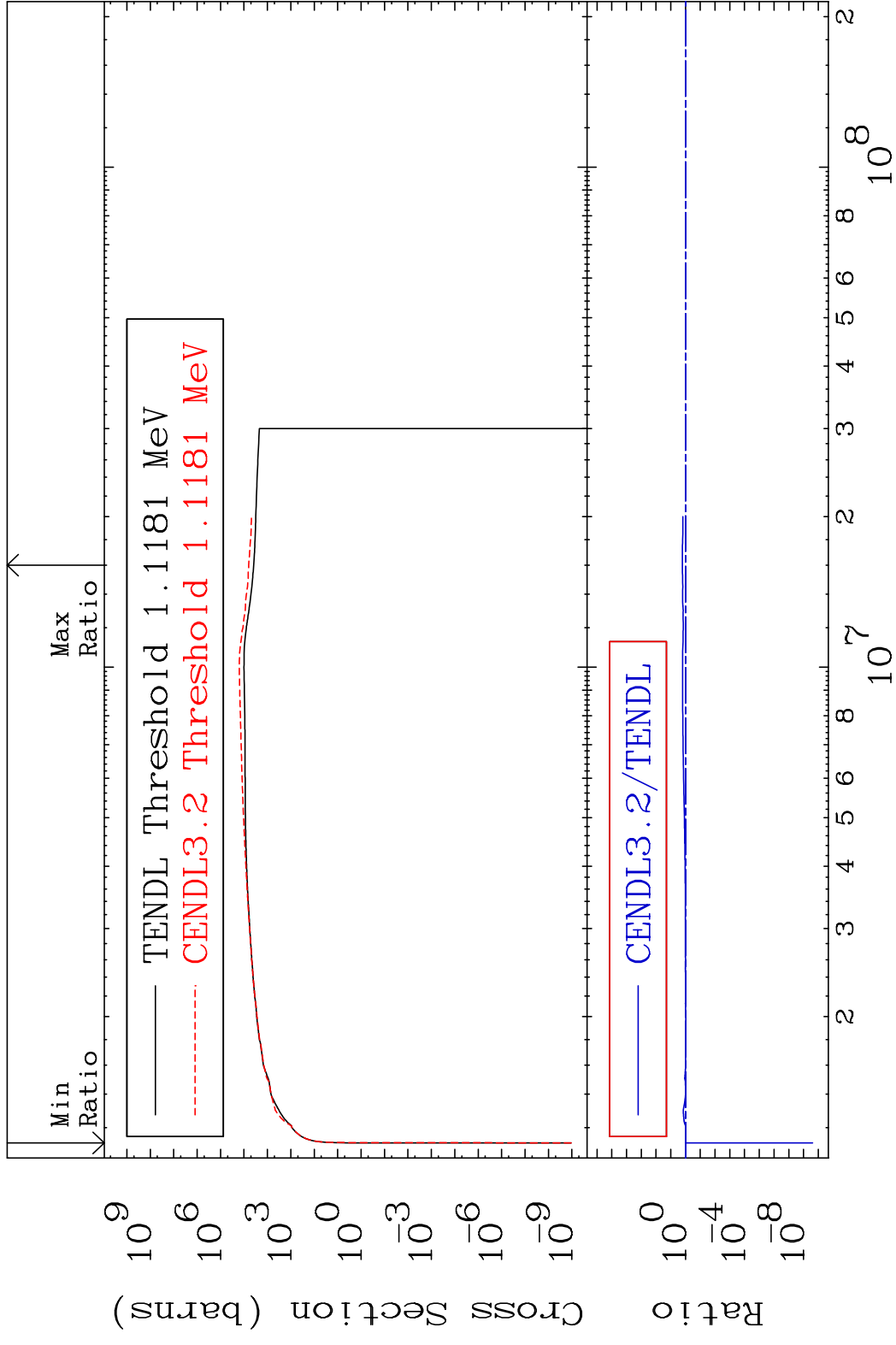
47

Incident Energy (eV)

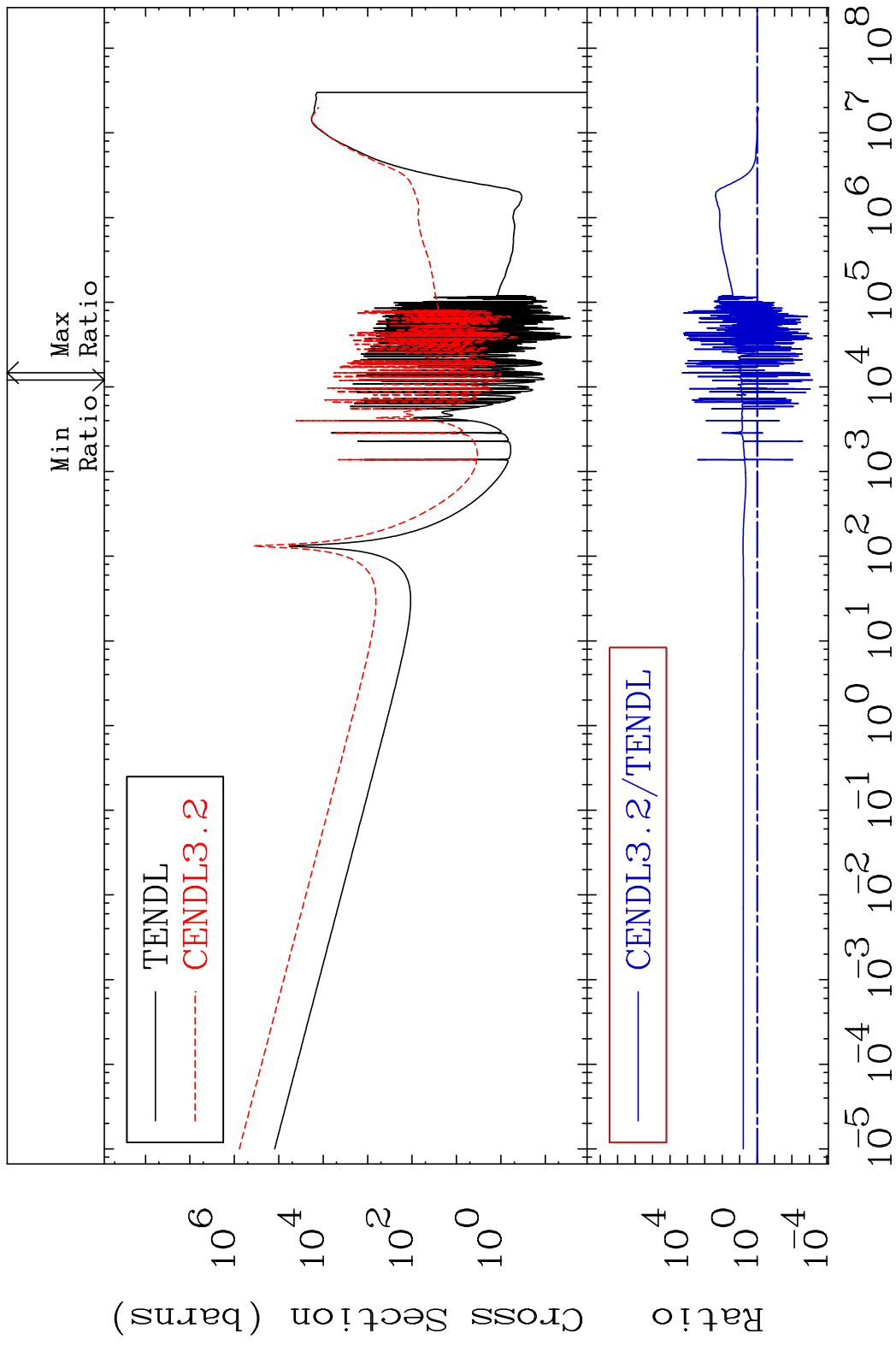
27-Co-59



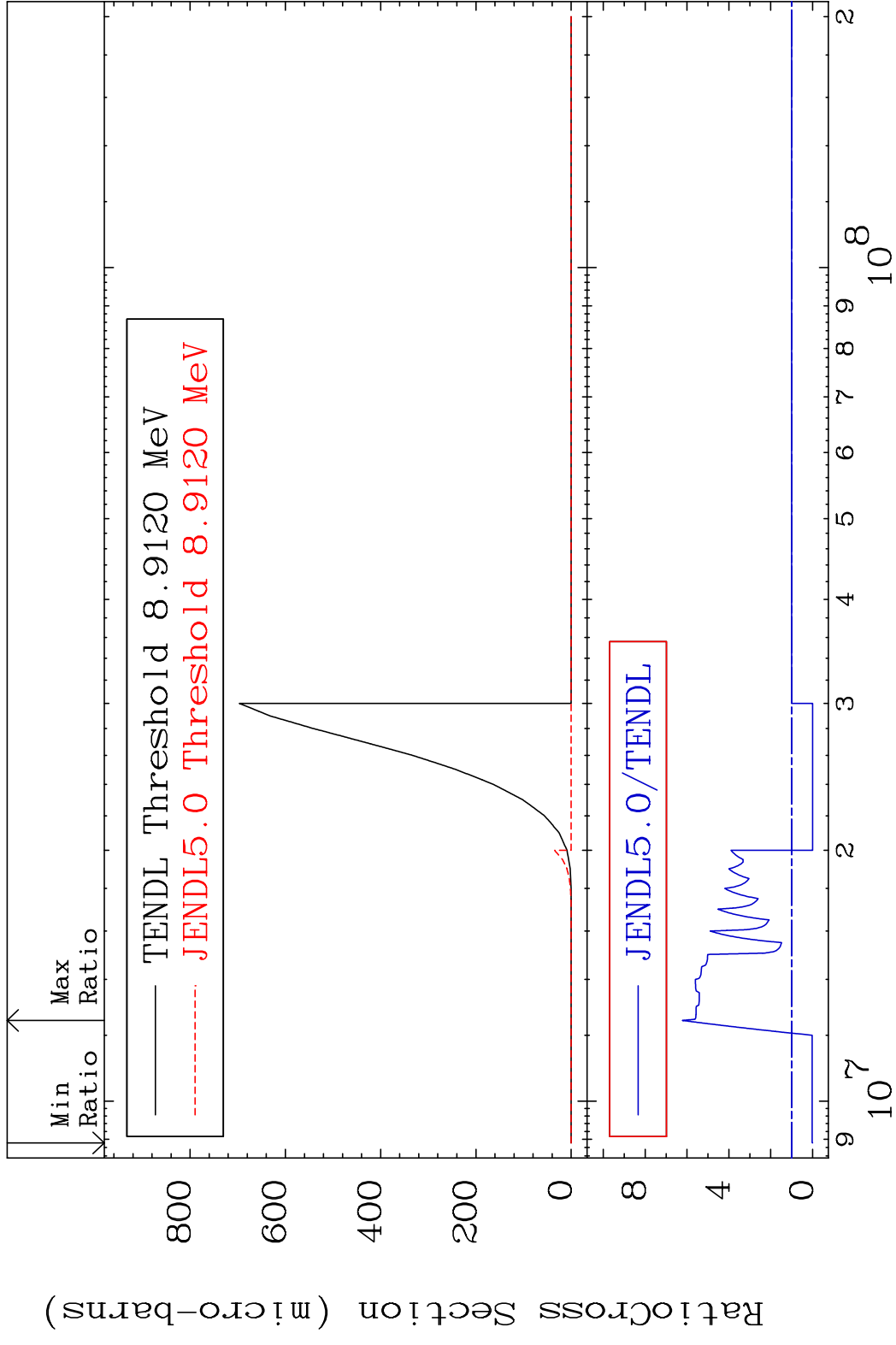
MAT 2725      Dpa inelastic (mt51-91)      27-Co-59  
 Cross Section      -100.0 To 63.65 %



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59  
 Cross Section -99.93 To 9999. %

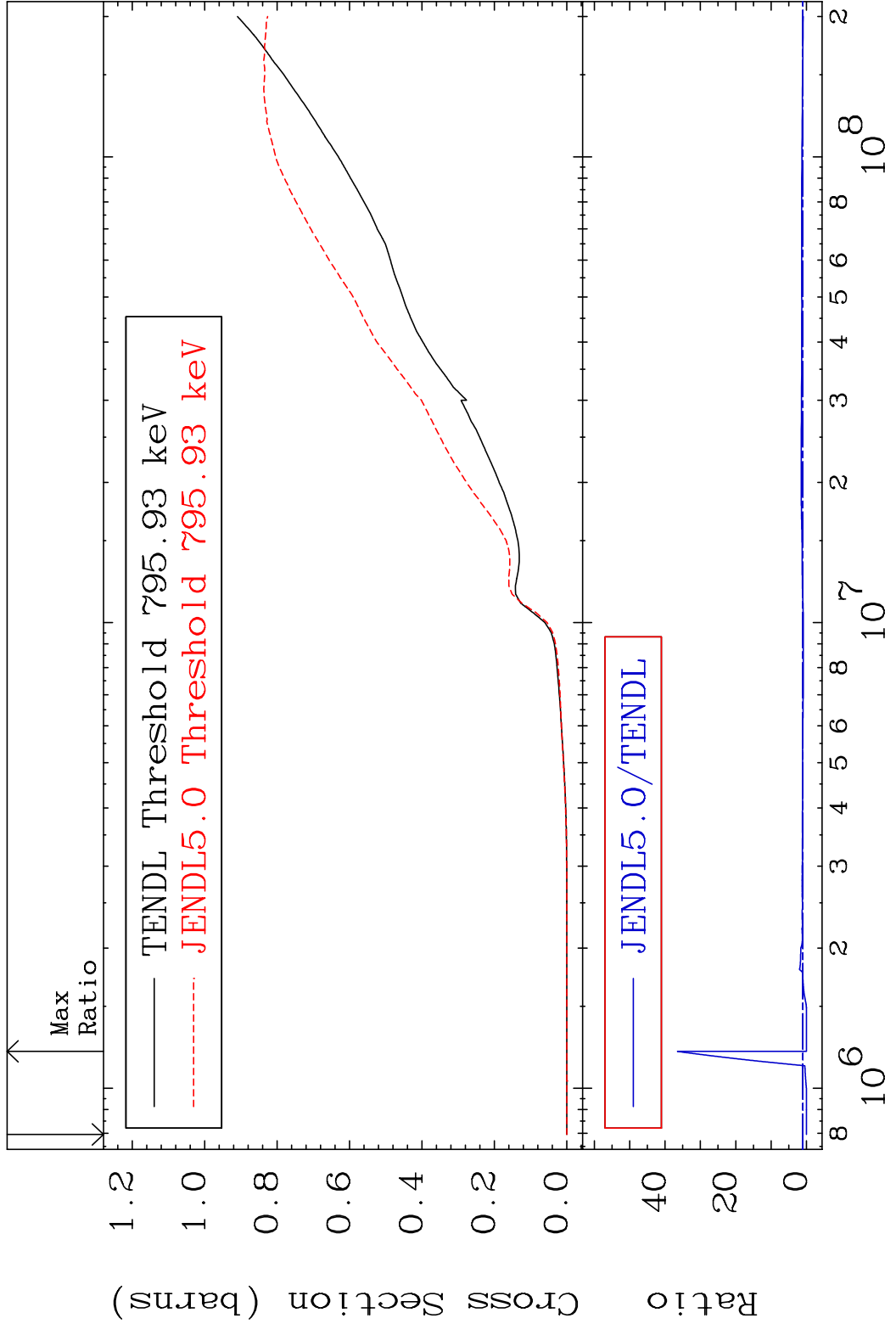


MAT 2725 (n,p)  $\alpha$  27-Co-59  
 Cross Section -100.0 To 522.3 %

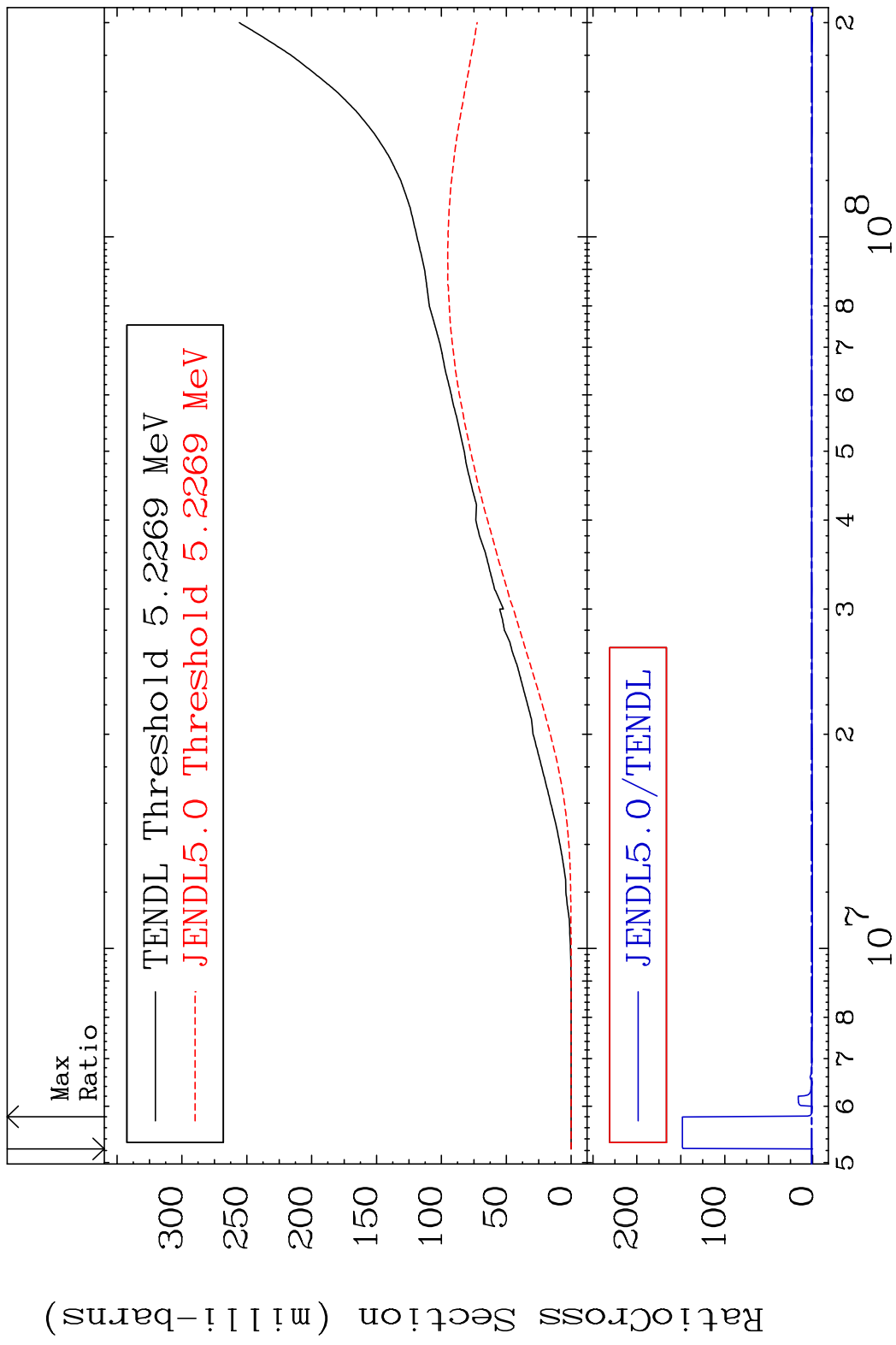


50 Incident Energy (eV) 27-Co-59

MAT 2725 Hydrogen Production 27-Co-59  
 Cross Section -100.0 To 3557. %



MAT 2725 Deuterium Production 27-Co-59  
 Cross Section -100.0 To 9999. %

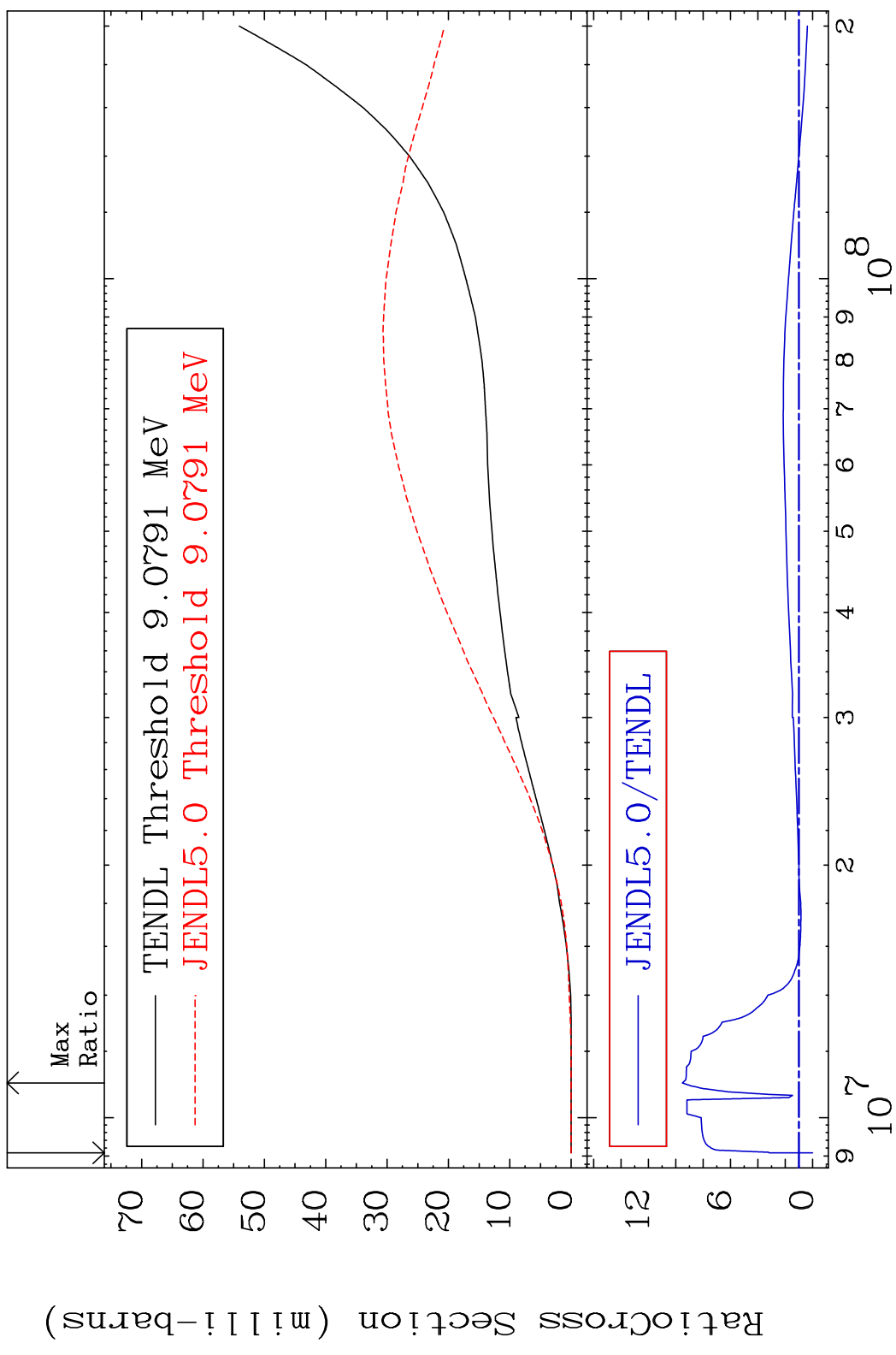


MAT 2725

Tritium Production

$^{27}\text{Co-59}$

Cross Section -100.0 To 851.7 %

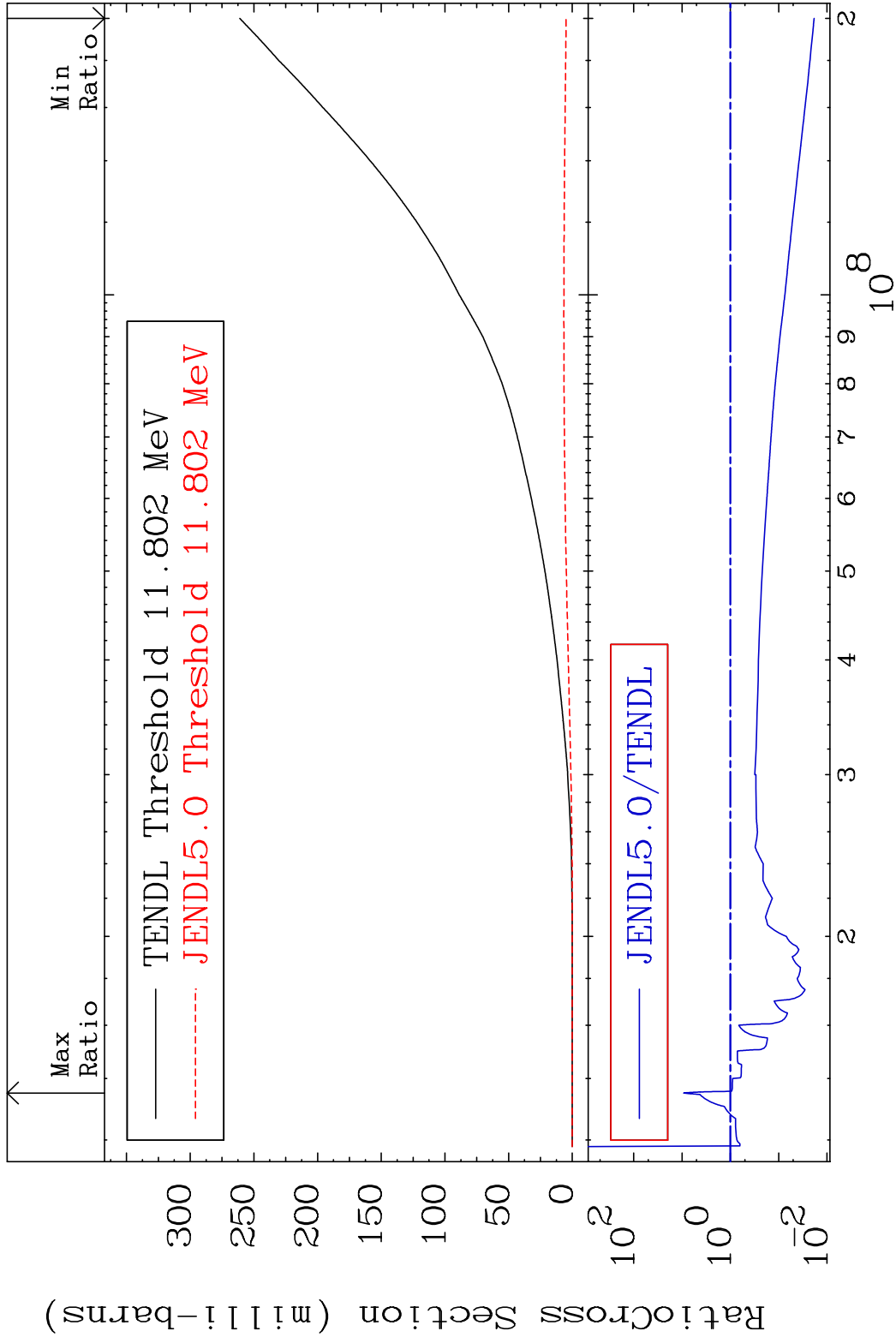


53

Incident Energy (eV)

$^{27}\text{Co-59}$

Cross Section -98.16 To 826.7 %

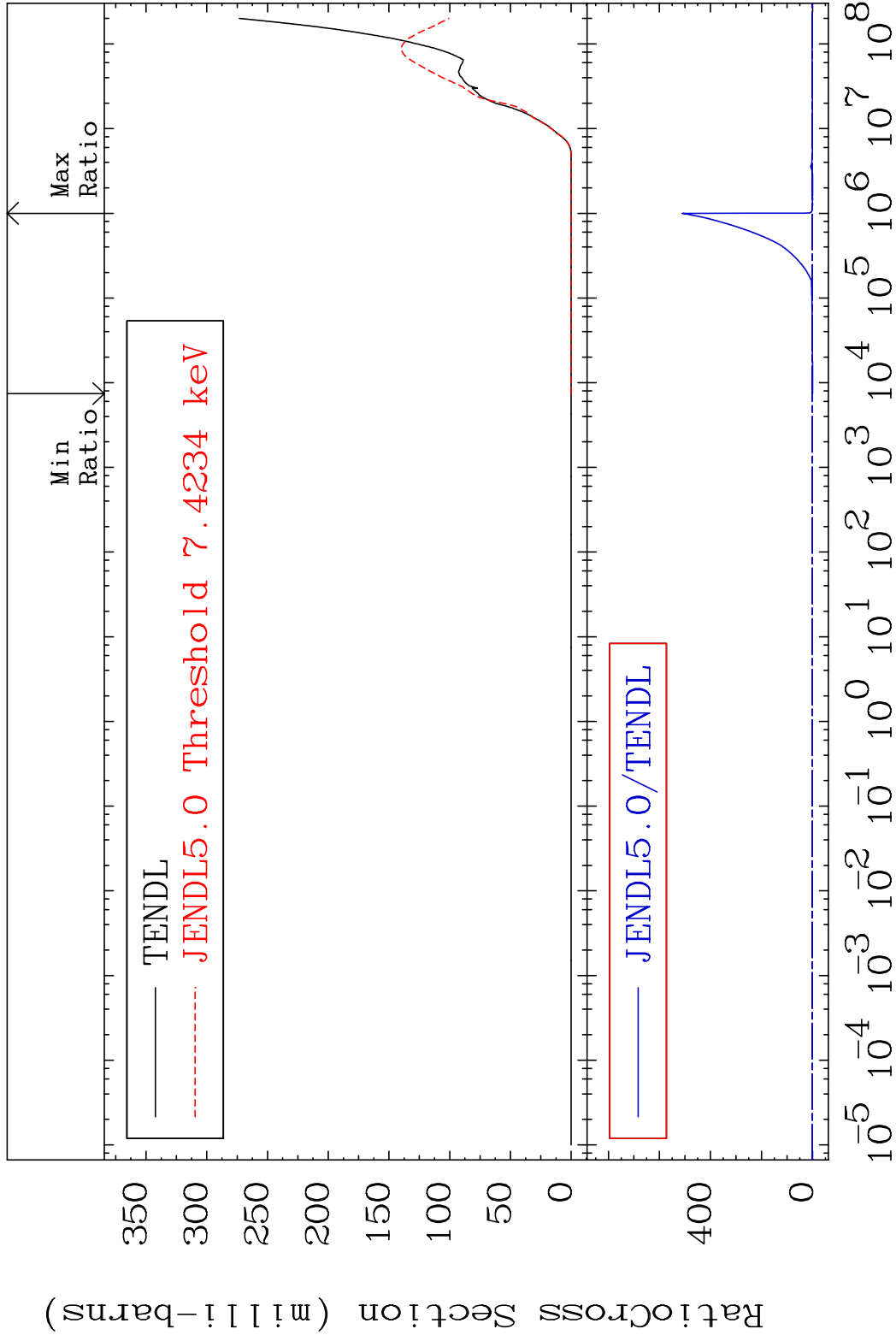


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 9999. %



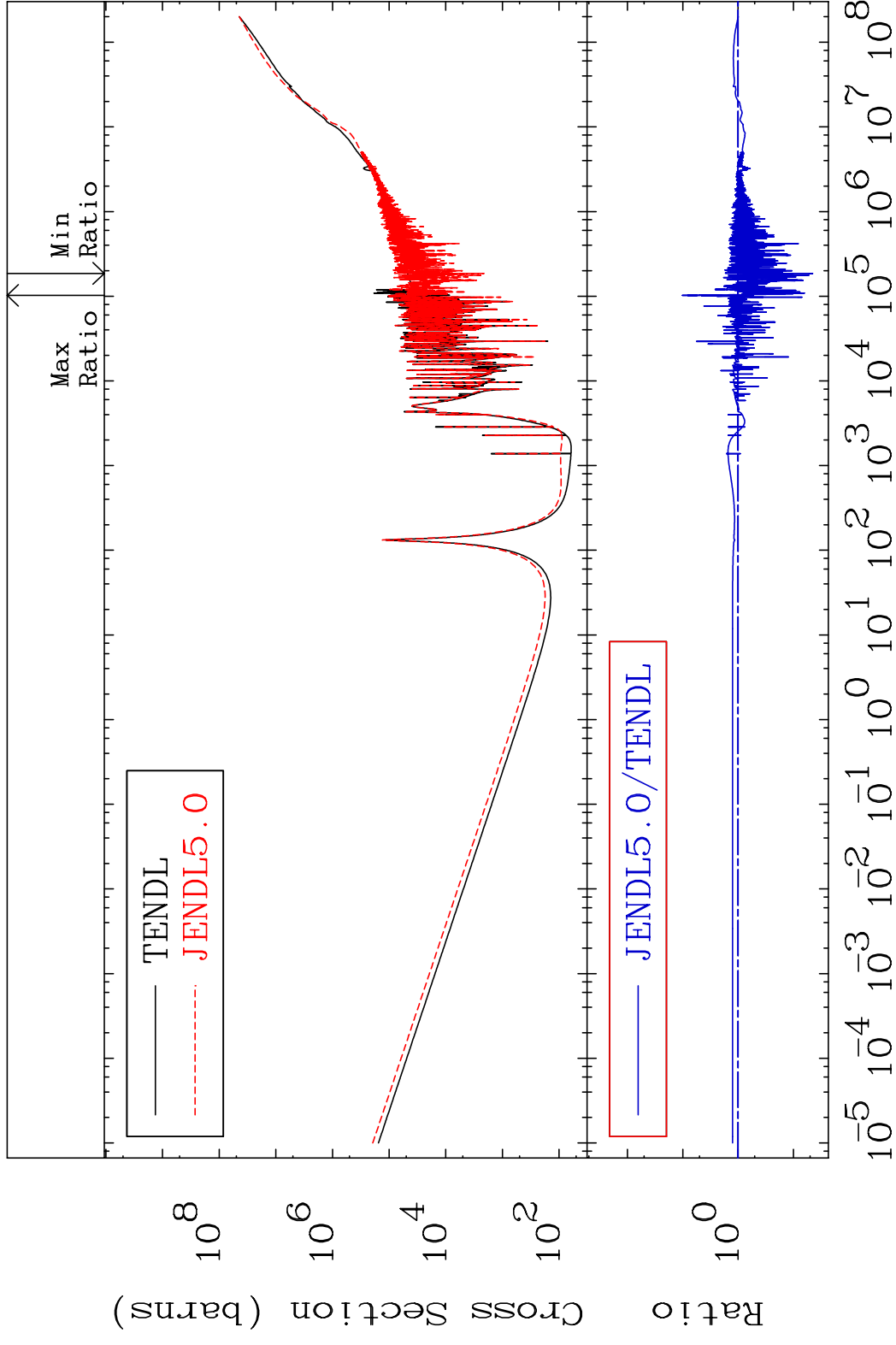
55

Incident Energy (eV)

27-Co-59



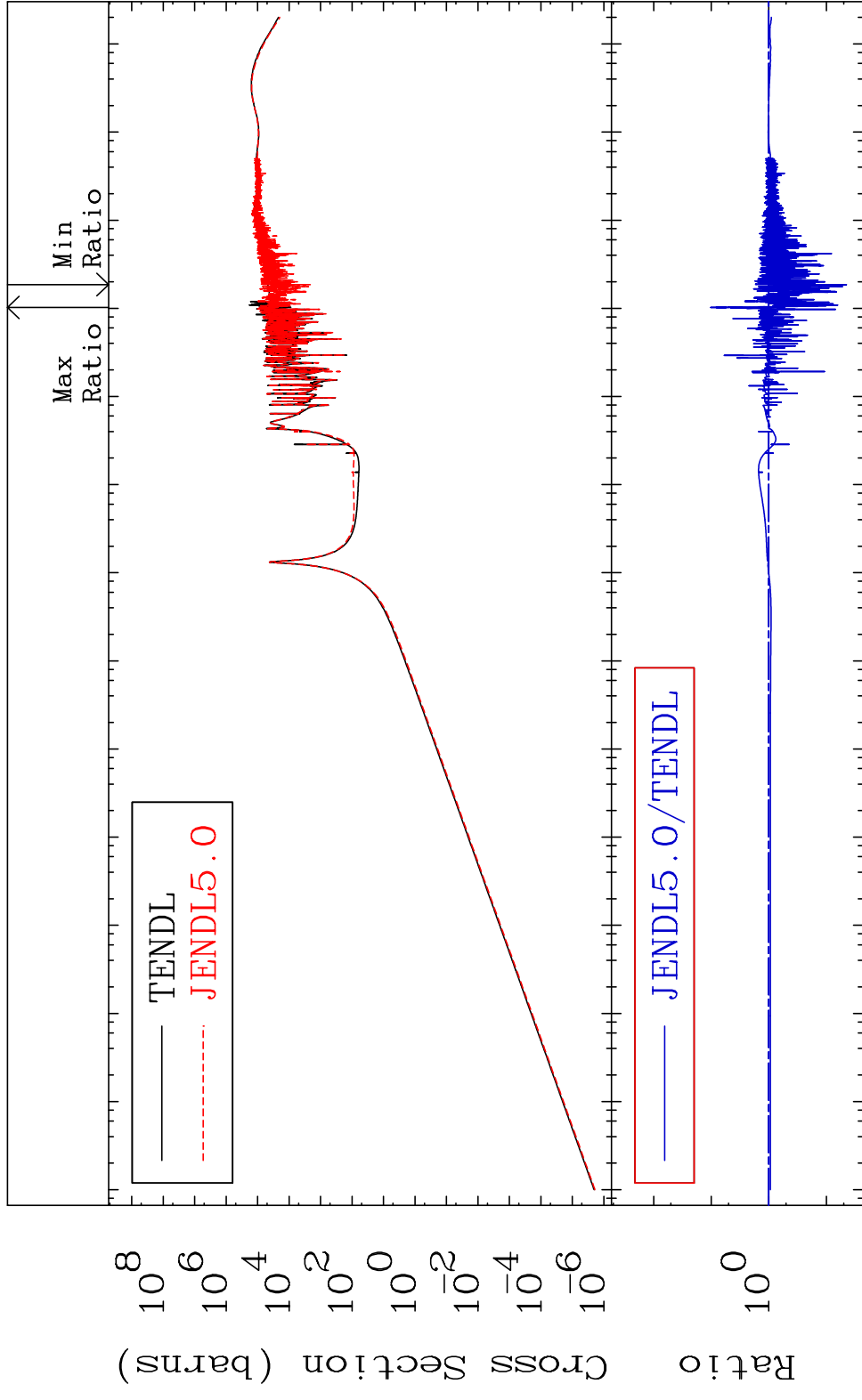
MAT 2725 Kerma total (eV-barns) 27-Co-59  
 Cross Section -95.50 To 919.5 %



MAT 2725

Kerma elastic  
Cross Section

27-Co-59  
-95.51 To 919.5 %

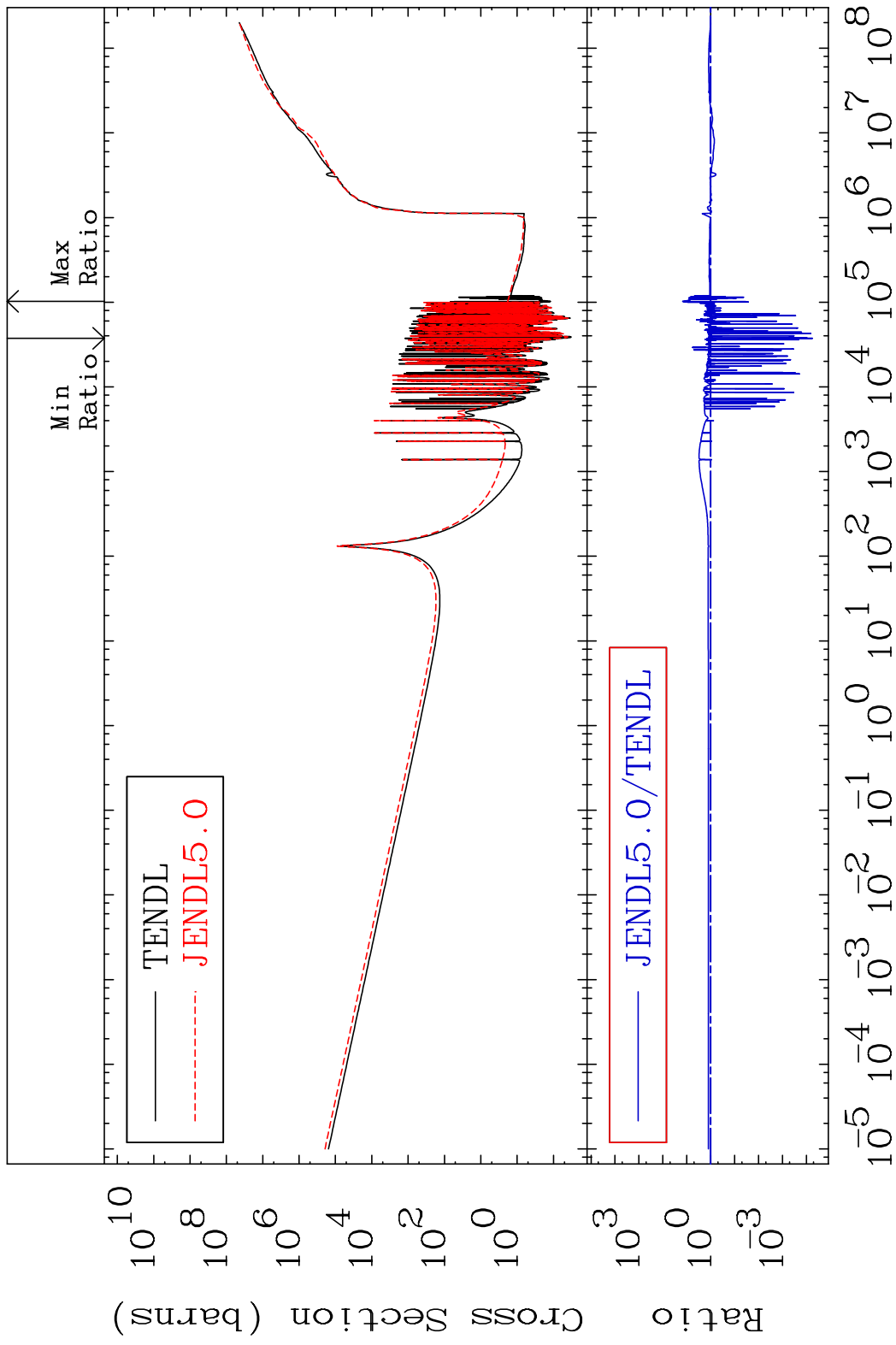


57

Incident Energy (eV)

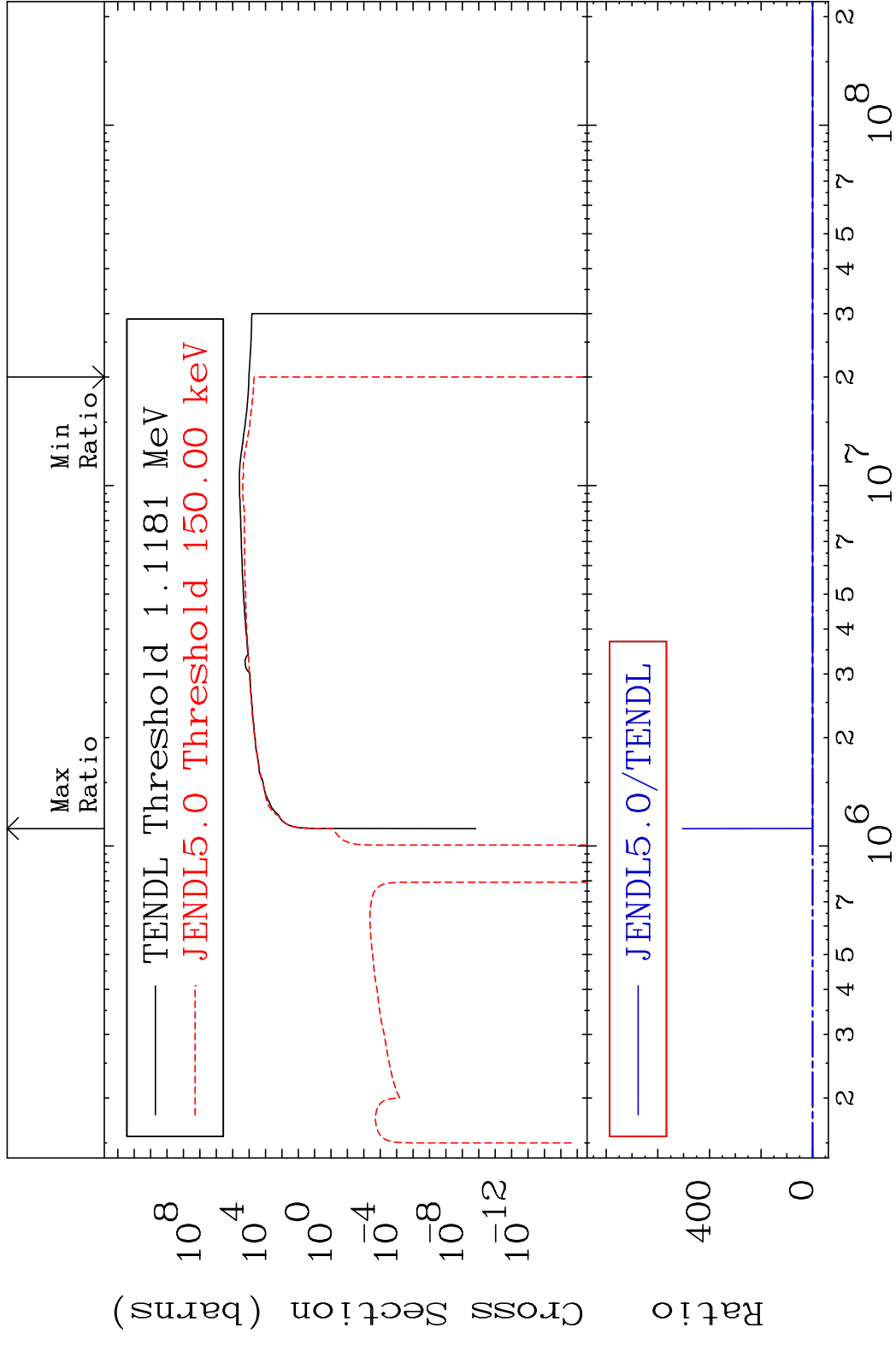
27-Co-59

MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59  
 Cross Section -99.99 To 1429. %

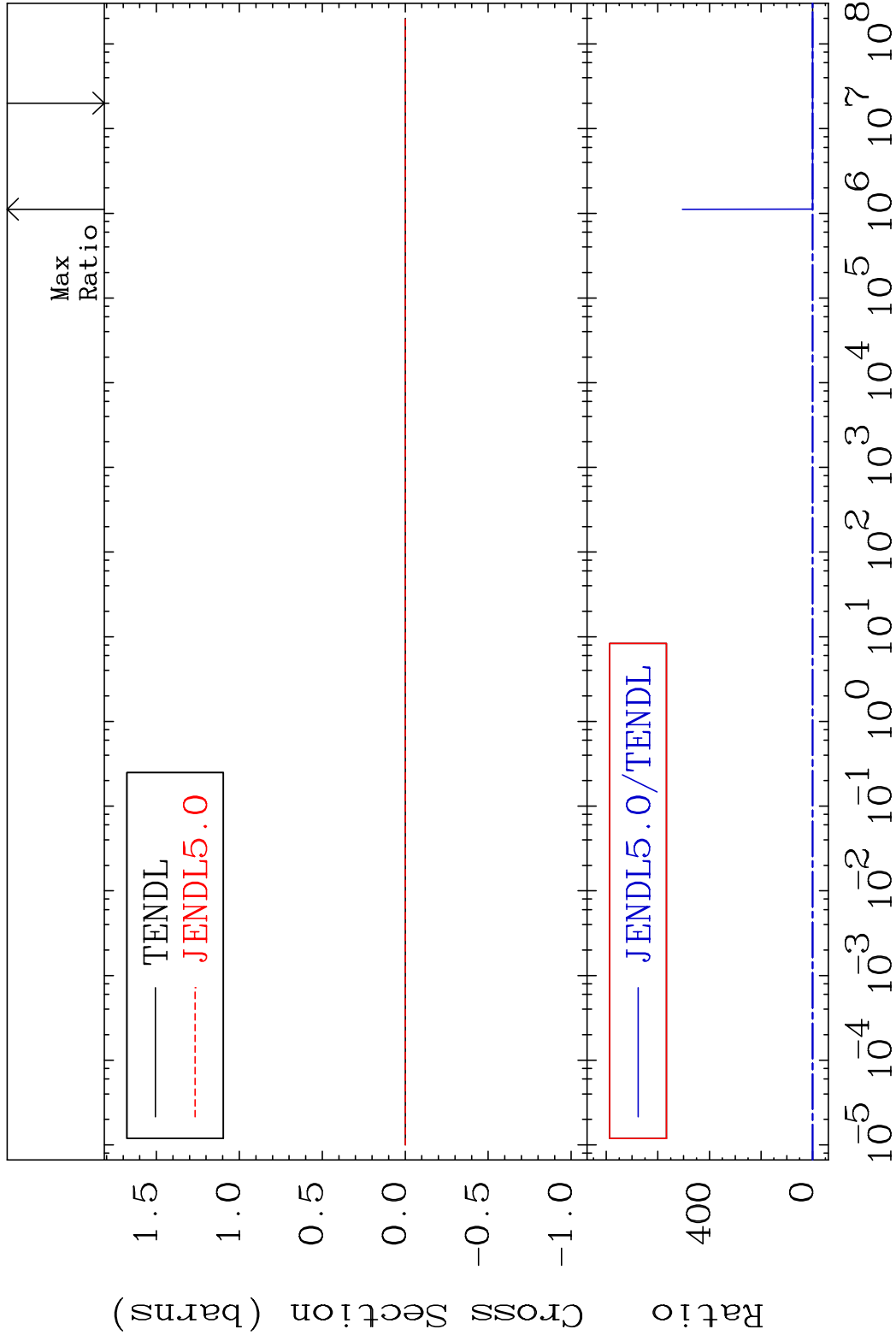


MAT 2725

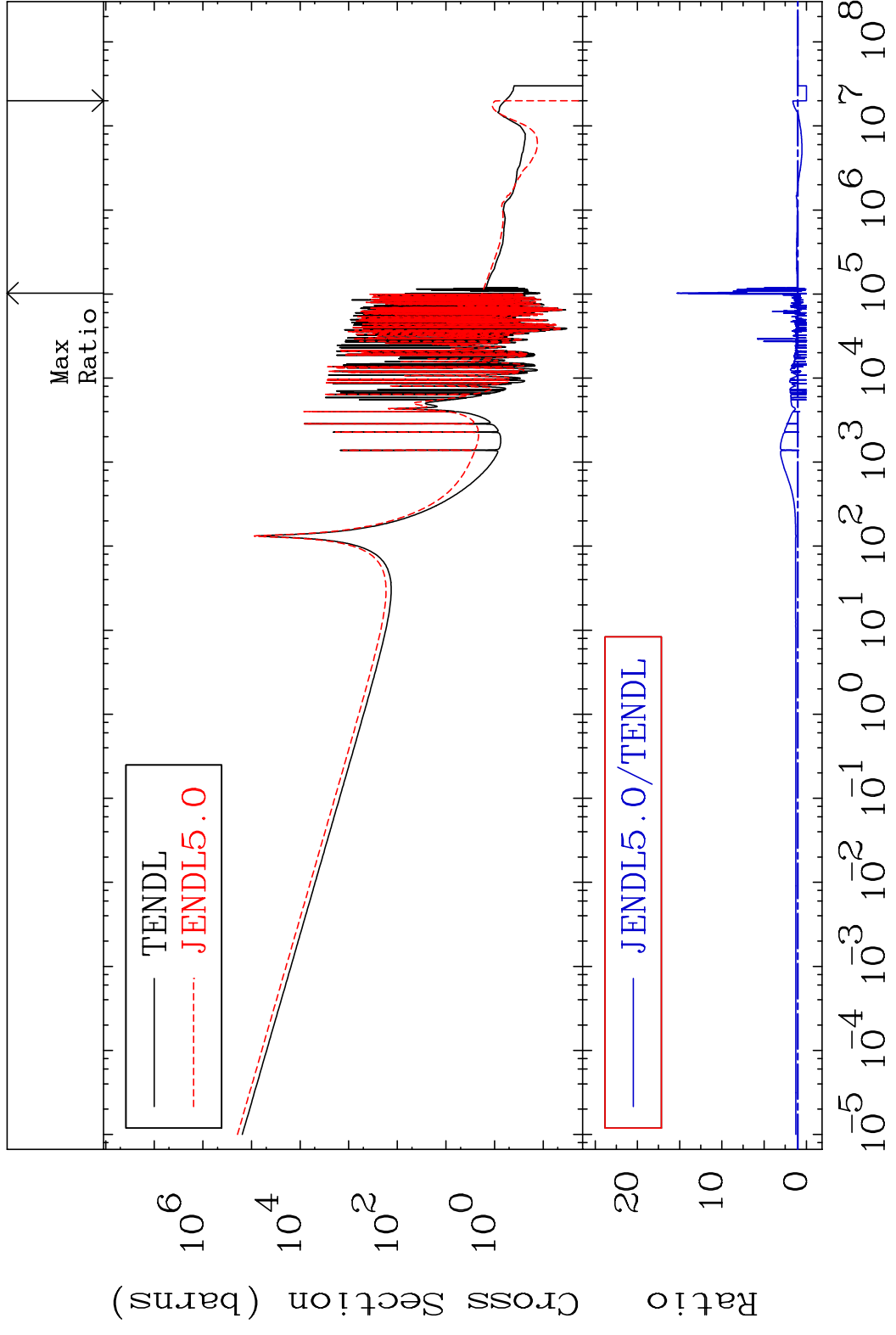
Kerma inelastic (mt51-91) 27-Co-59  
Cross Section -100.0 To 9999. %



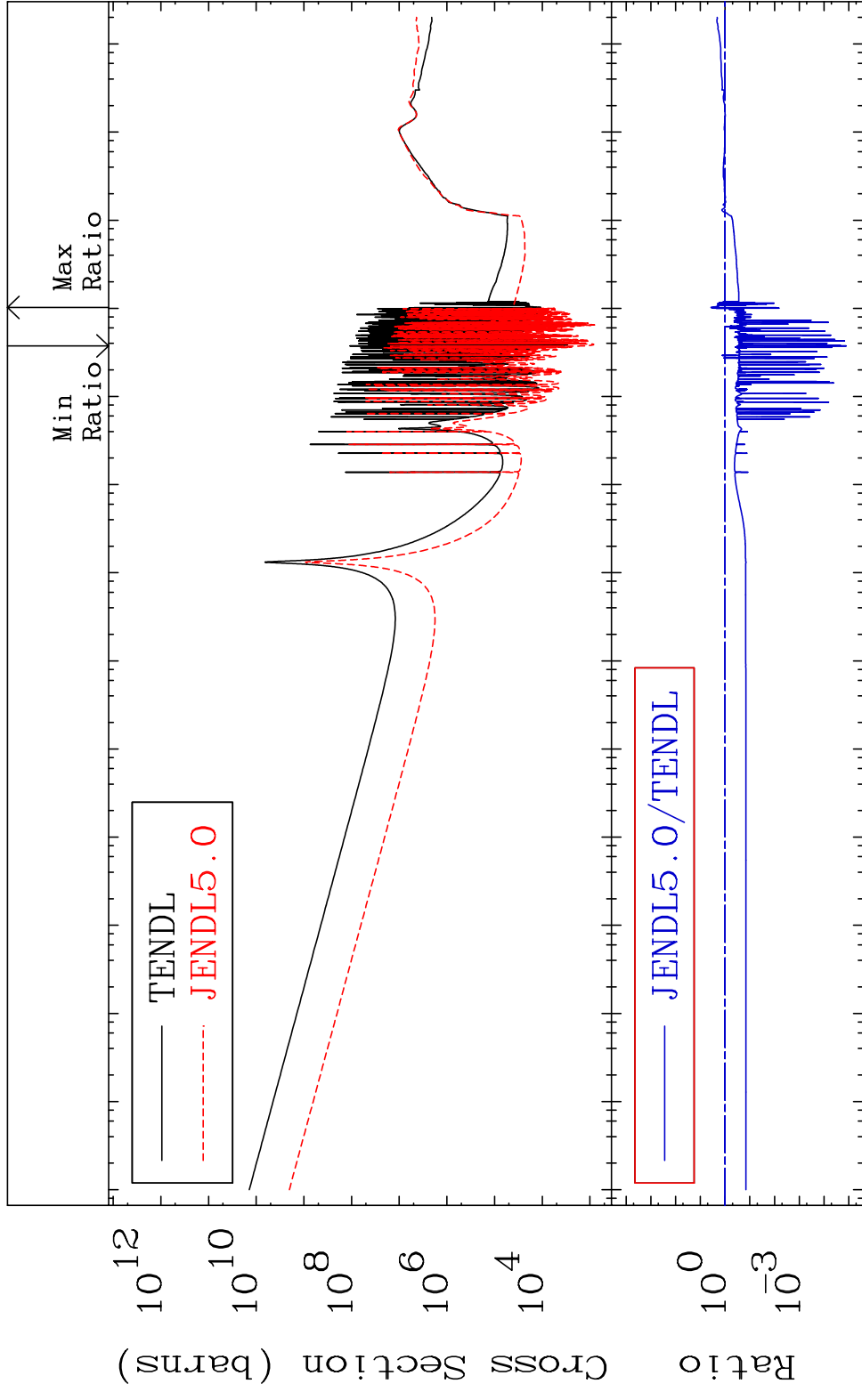
MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59  
 Cross Section -100.0 To 9999. %



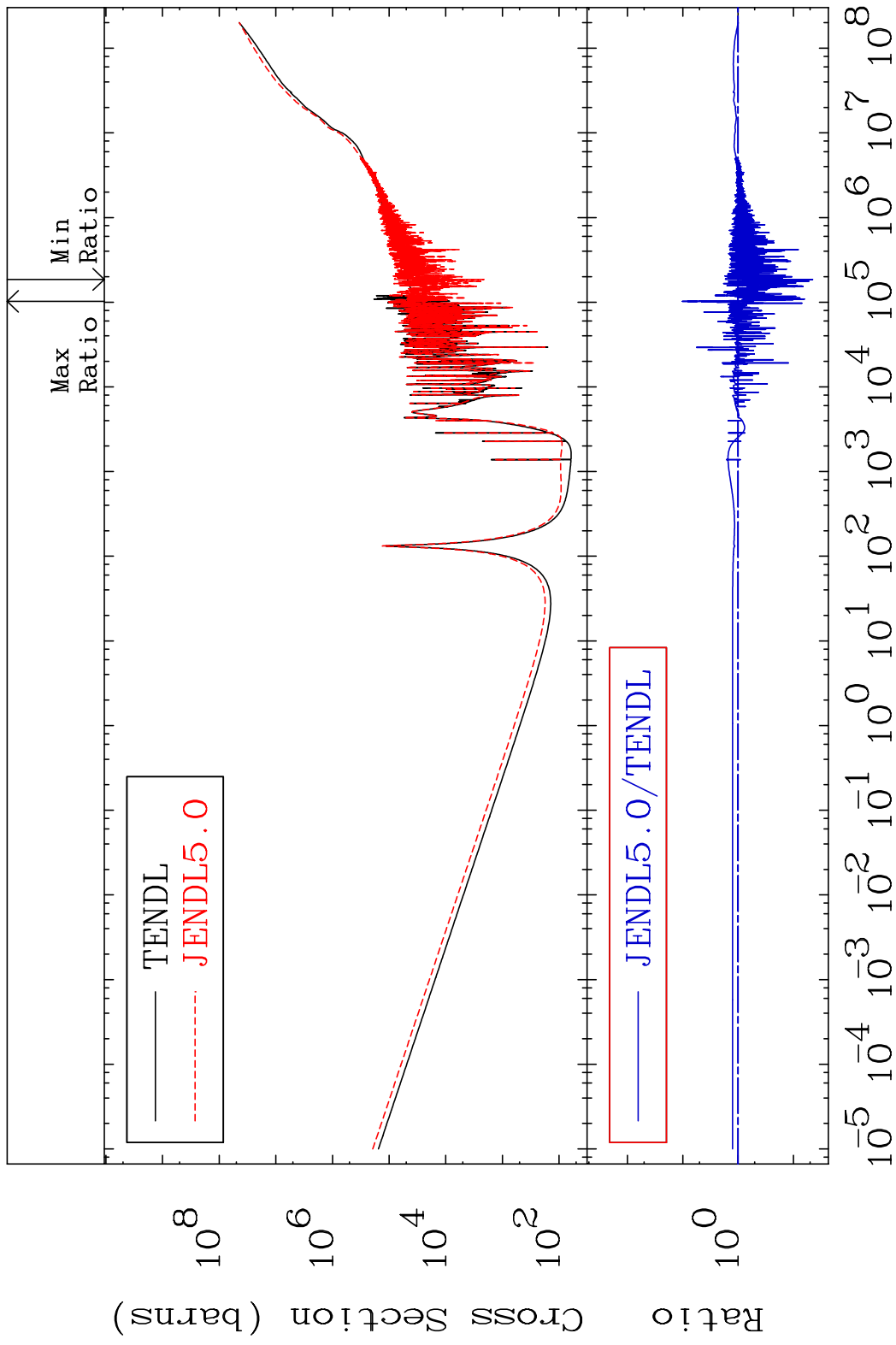
MAT 2725 Kerma capture (mt102) 27-Co-59  
 Cross Section -100.0 To 1429. %



MAT 2725 Total photon (eV-barns) 27-Co-59  
 Cross Section -100.0 To 280.2 %



MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
 Cross Section -95.50 To 919.5 %



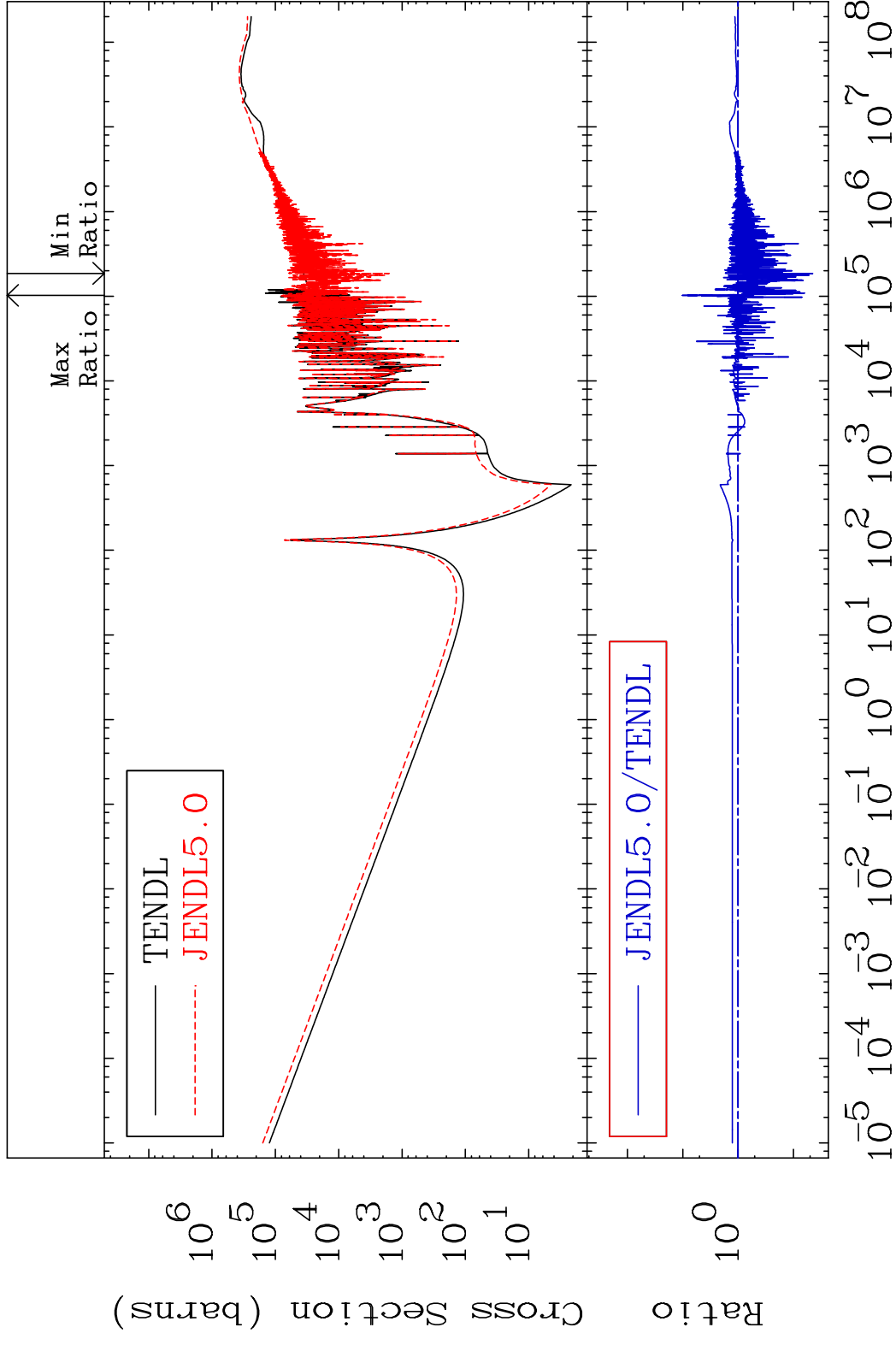


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -95.50 To 919.5 %



64

Incident Energy (eV)

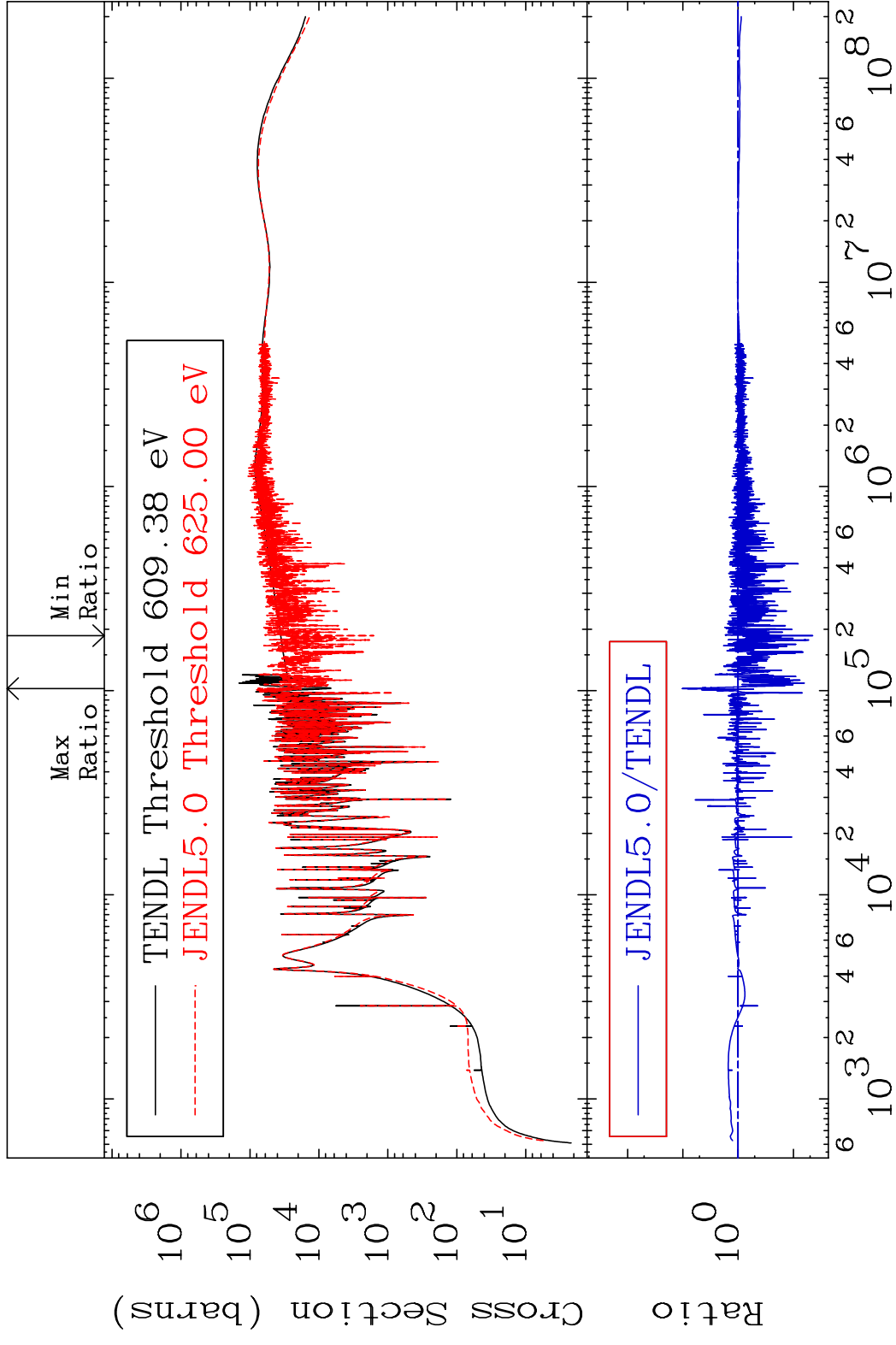
27-Co-59

MAT 2725

Dpa elastic (mt2)

27-Co-59

Cross Section -95.51 To 919.5 %

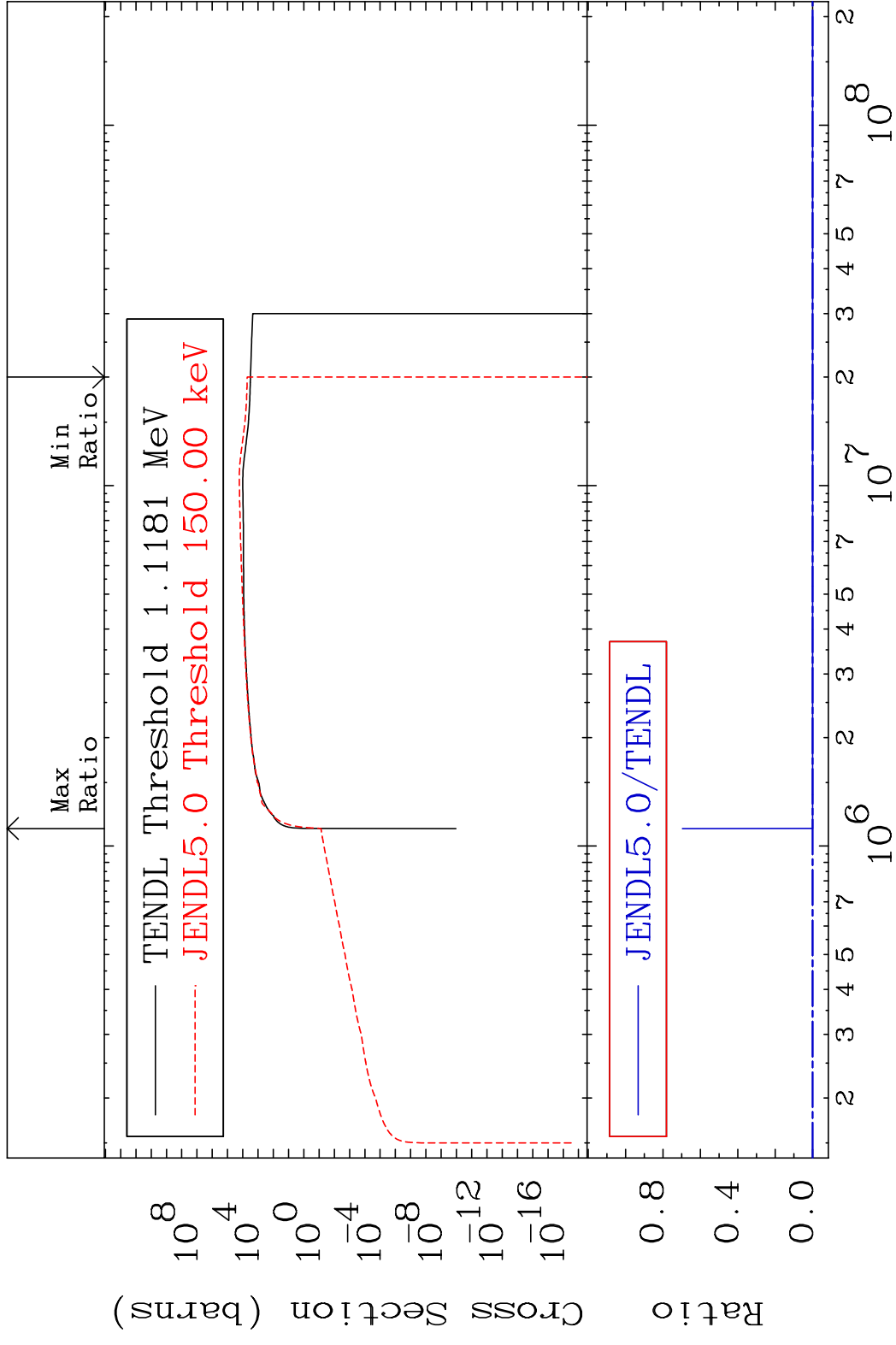


65

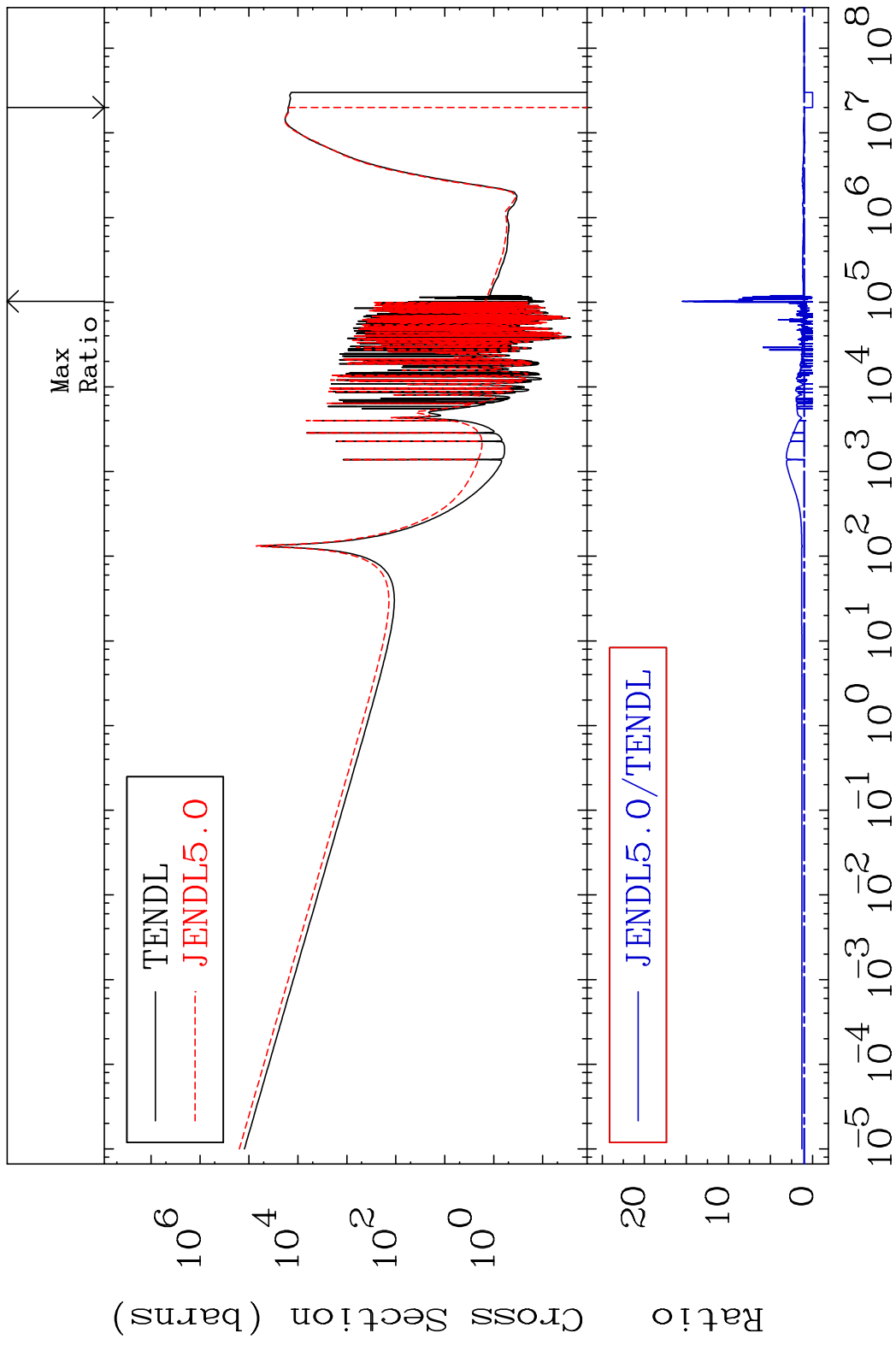
Incident Energy (eV)

27-Co-59

MAT 2725 Dpa inelastic (mt51-91) 27-Co-59  
 Cross Section -100.0 To 9999. %



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59  
Cross Section -100.0 To 1448. %



MAT 2725 (n,2n):27-Co-58g 27-Co-59  
 Radionuclide Production Cross Section Ratio 13.47 %

