

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

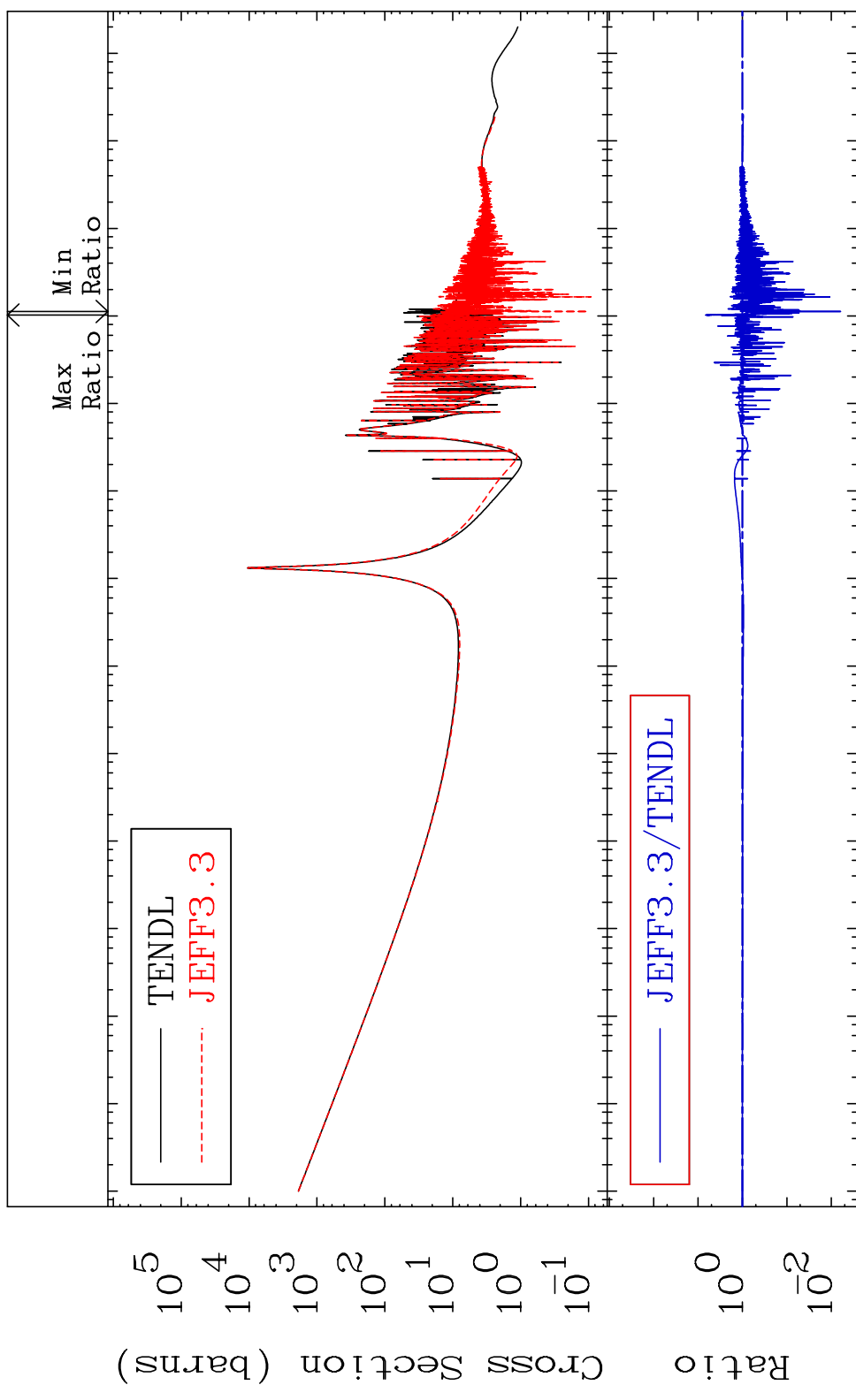
MAT 2725

Total

27-Co-59

Cross Section

-99.38 To 570.2 %



1

Incident Energy (eV)

27-Co-59

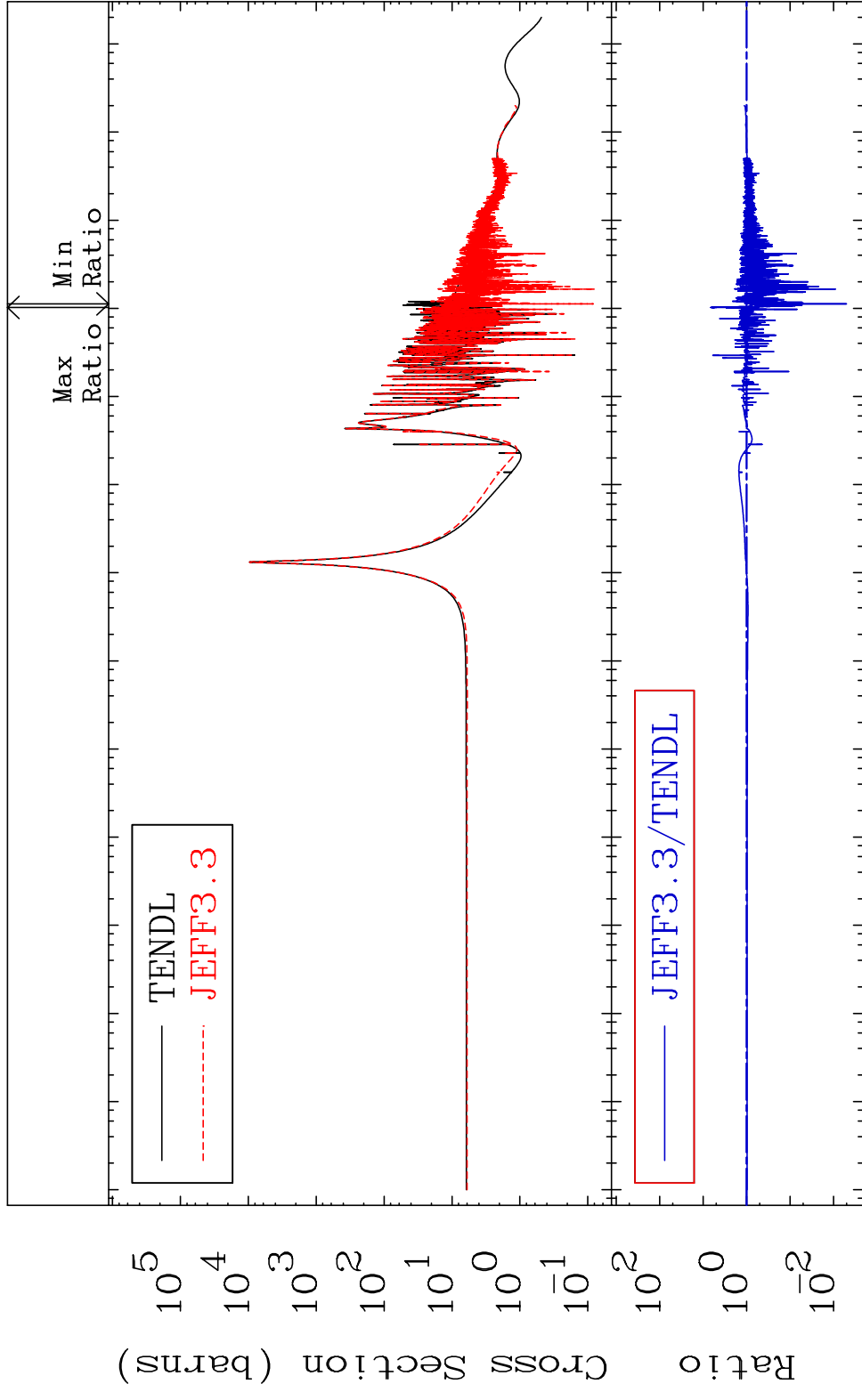
MAT 2725

Elastic

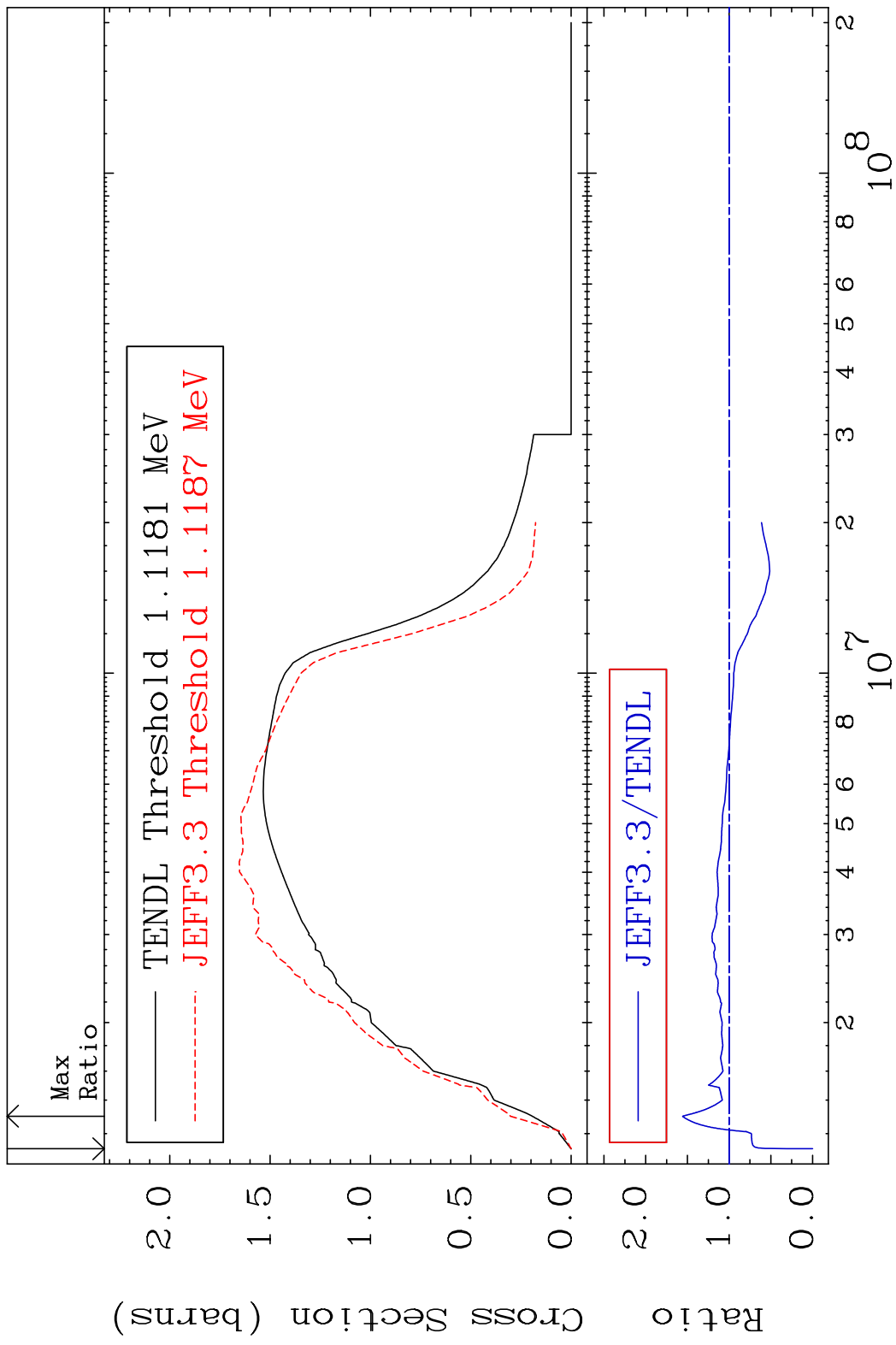
27-Co-59

Cross Section

-99.49 To 569.8 %



MAT 2725 Inelastic 27-Co-59  
 Cross Section -100.0 To 56.09 %

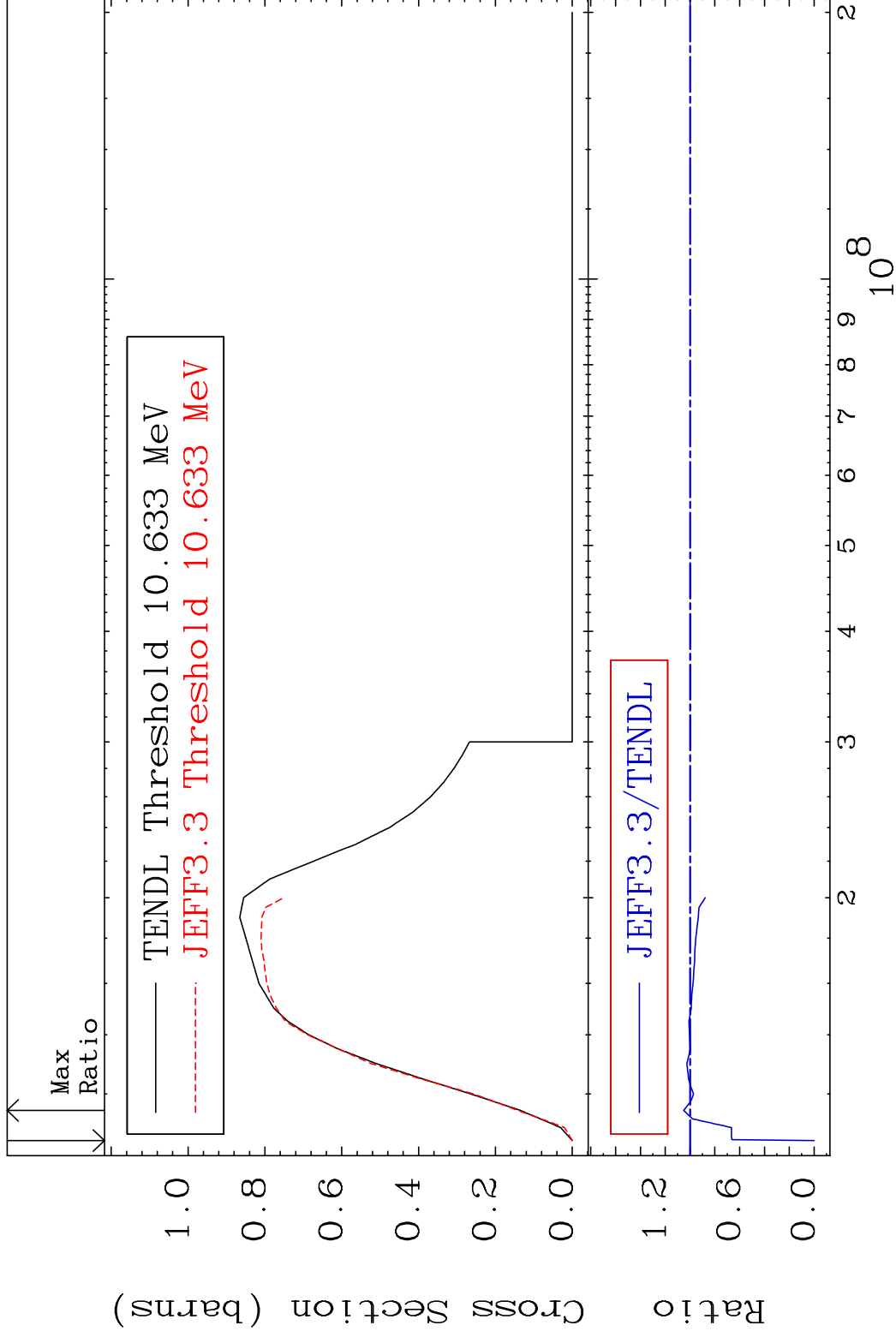


MAT 2725

(n,2n)

27-Co-59

Cross Section -100.0 To 5.134 %

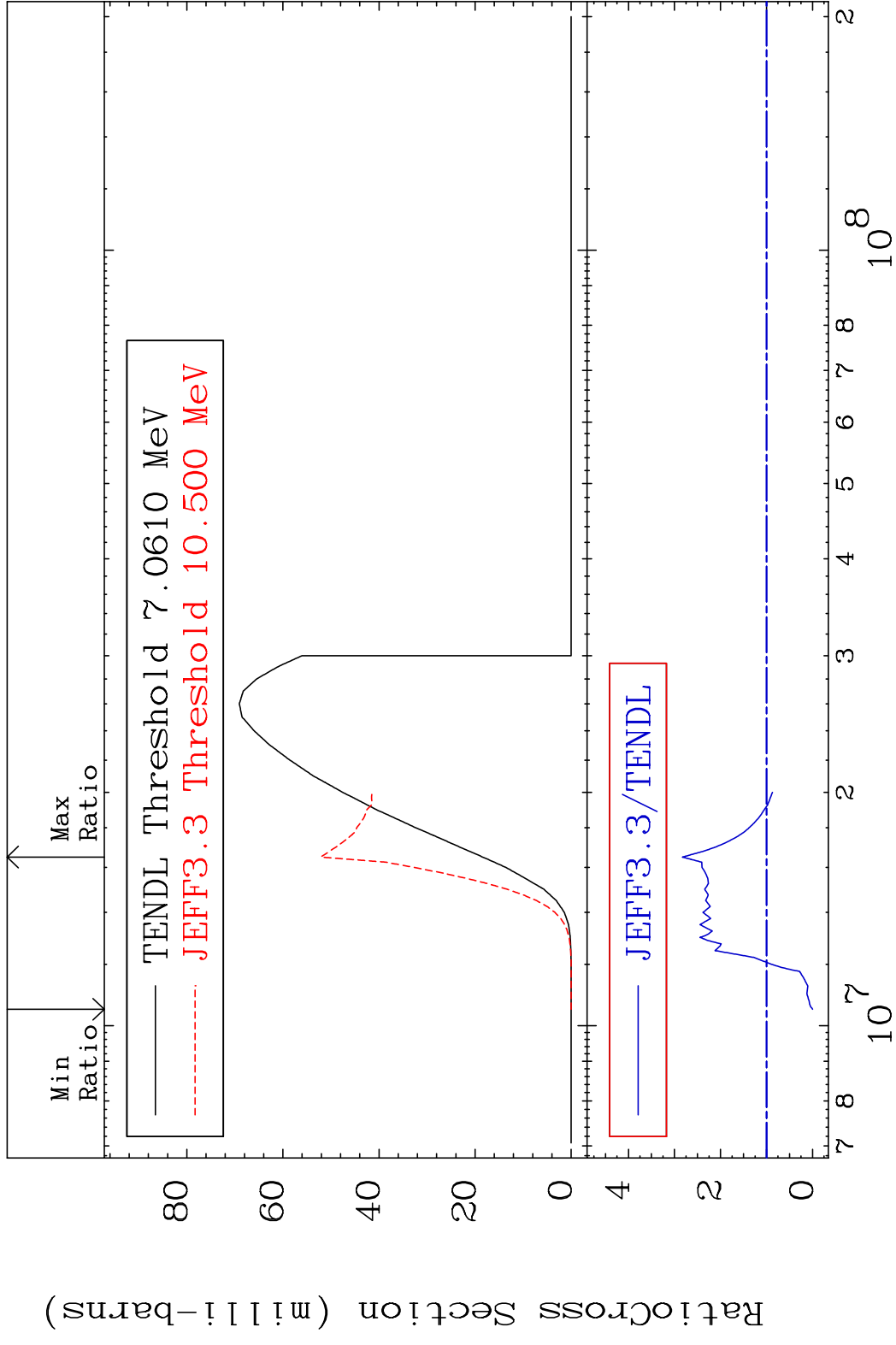


MAT 2725

(n, n')  $\alpha$

27-Co-59

Cross Section -100.0 To 182.9 %



5

Incident Energy (eV)

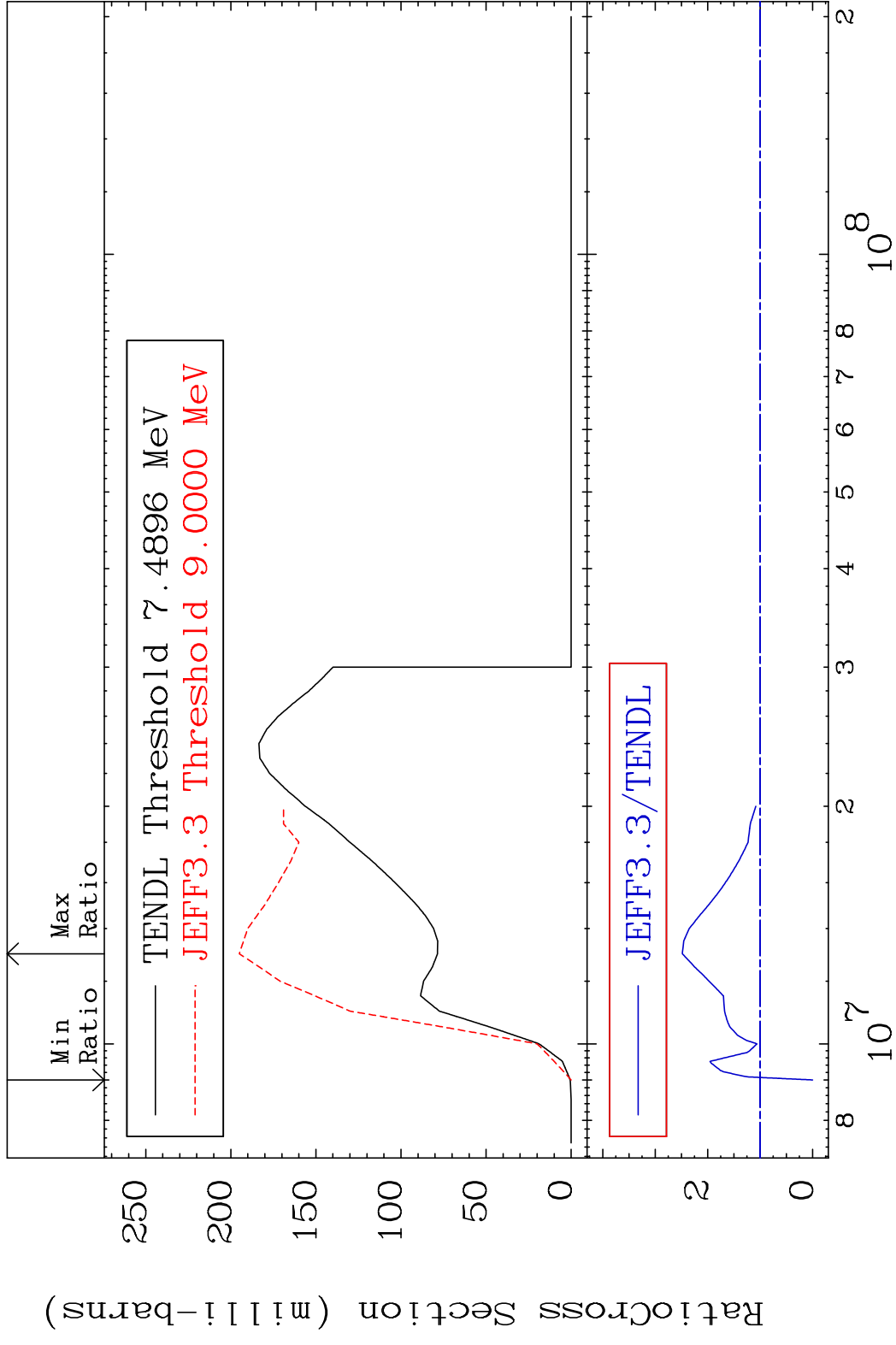
27-Co-59

MAT 2725

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

(n, n') p

Cross Section -100.0 To 148.2 %



6

Incident Energy (eV)

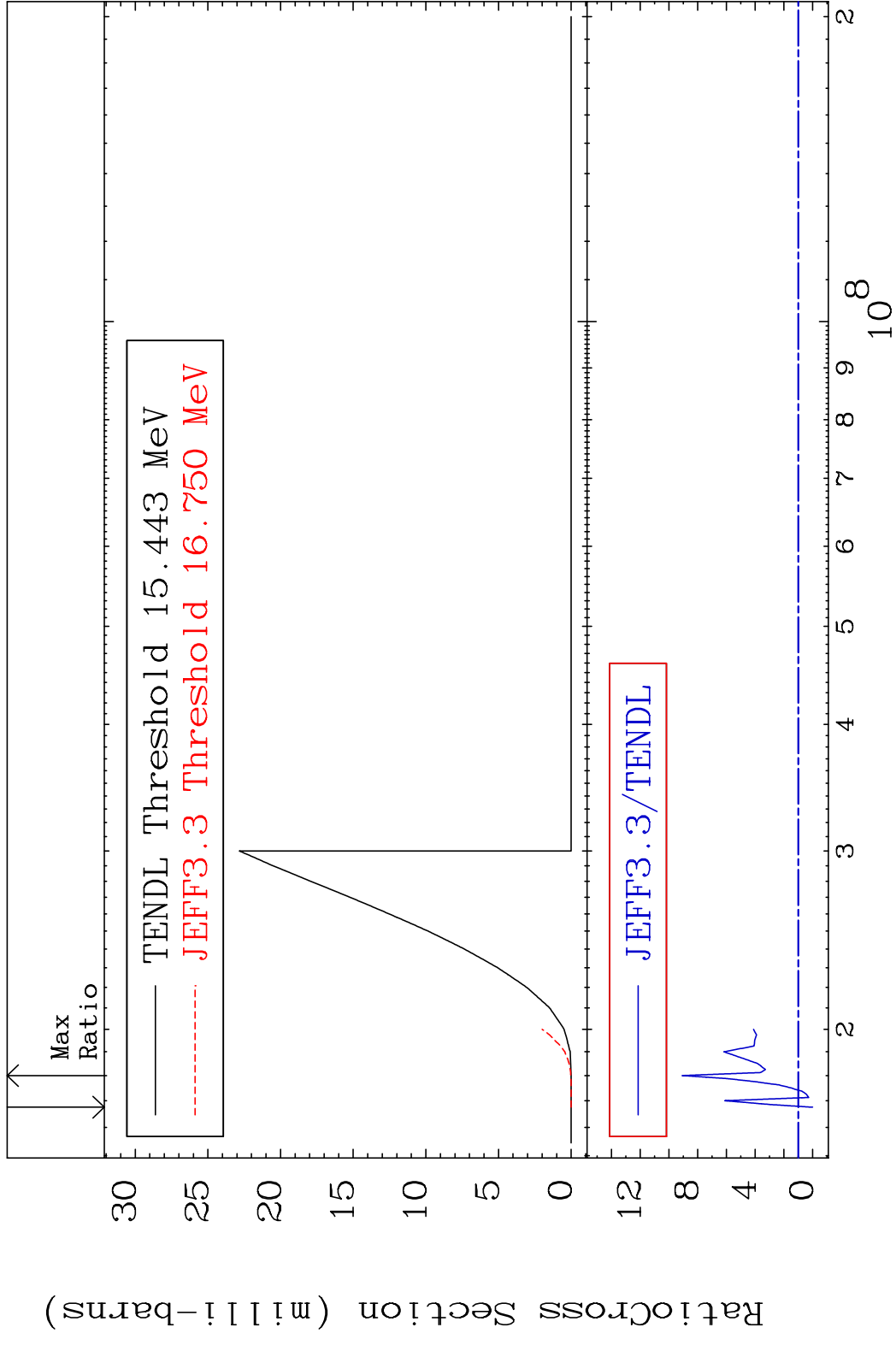
$^{27}\text{Co-59}$

MAT 2725

(n, n') d

27-Co-59

Cross Section -100.0 To 806.8 %



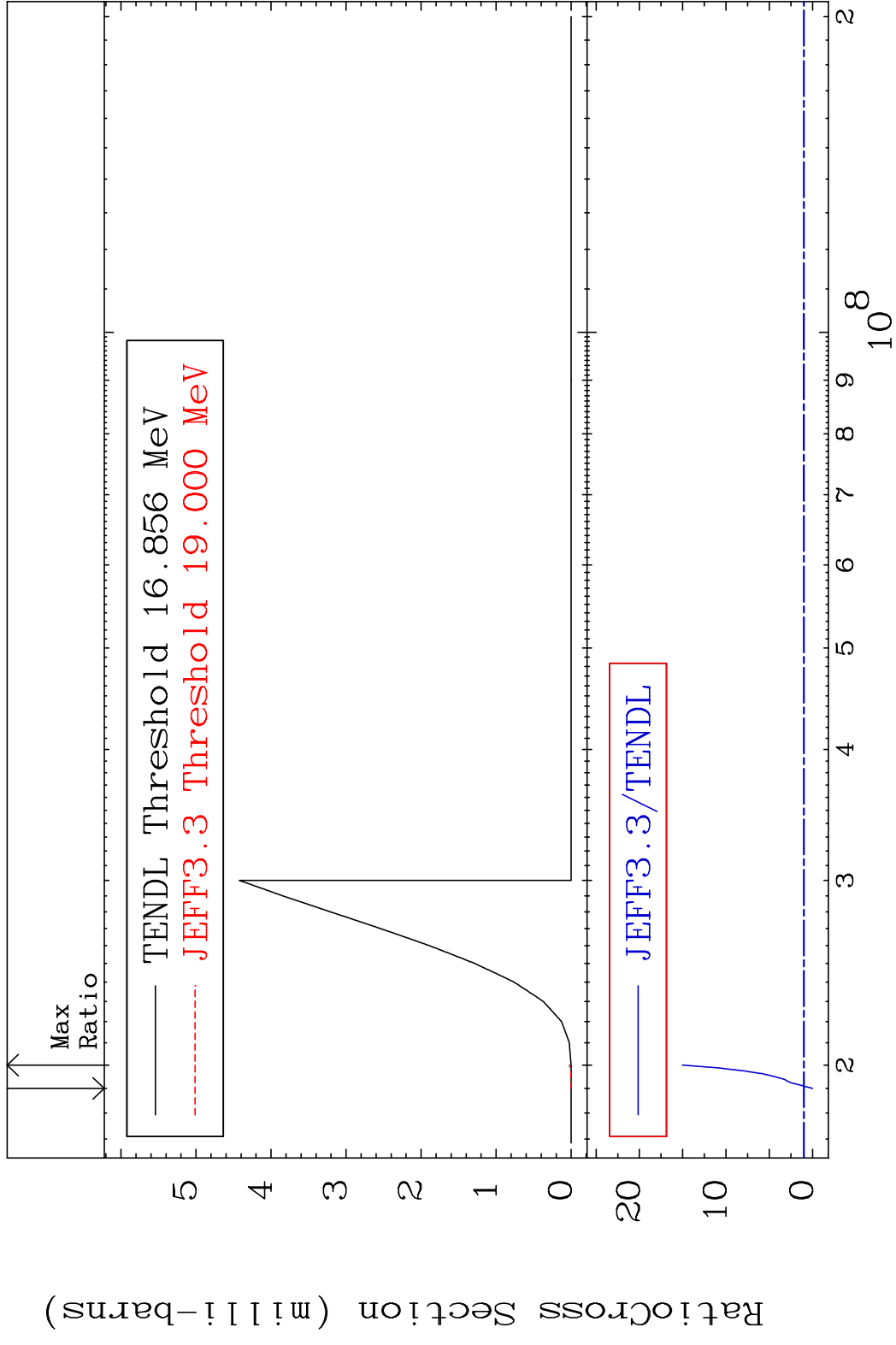


MAT 2725

(n, n') t

27-Co-59

Cross Section -100.0 To 1404. %

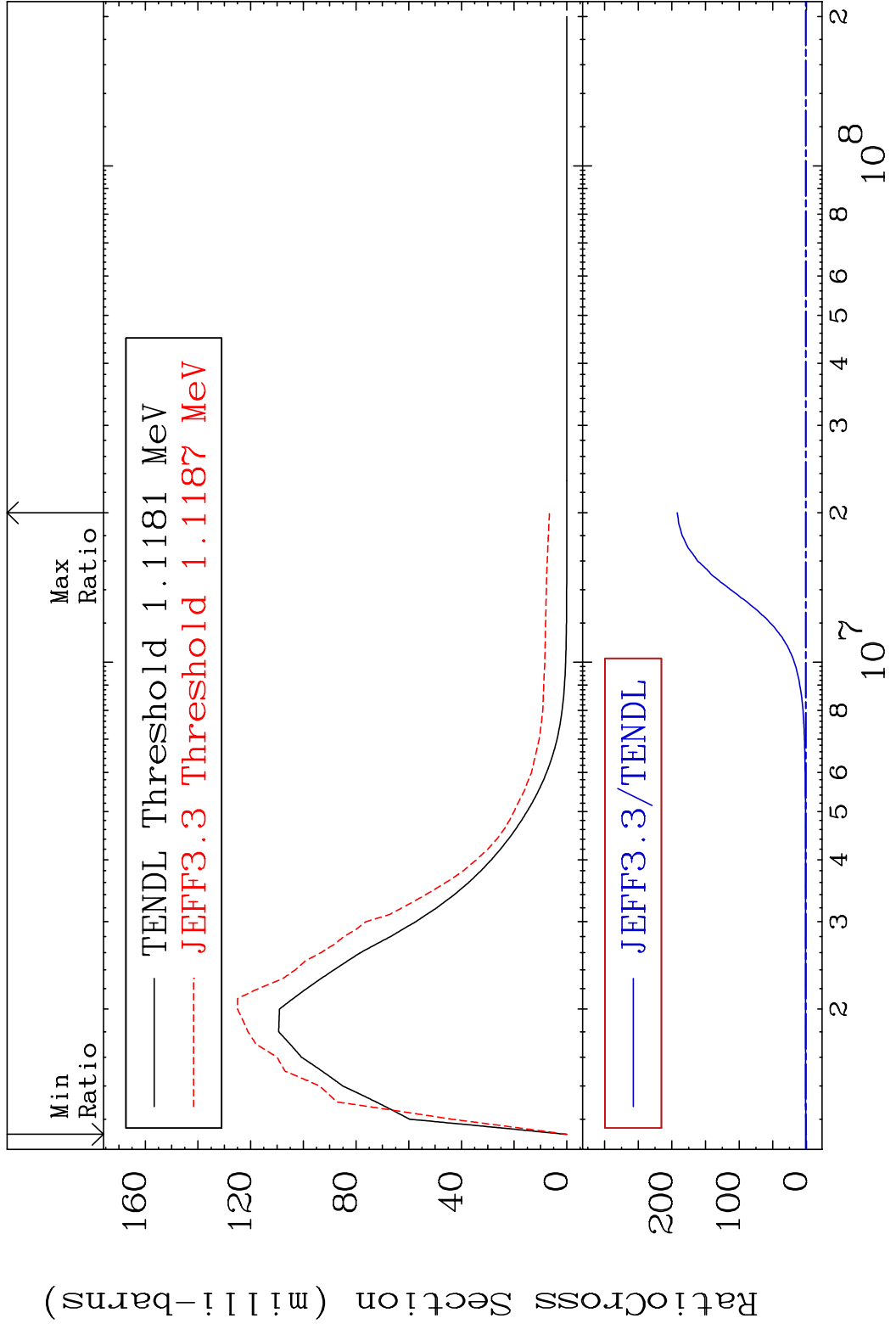


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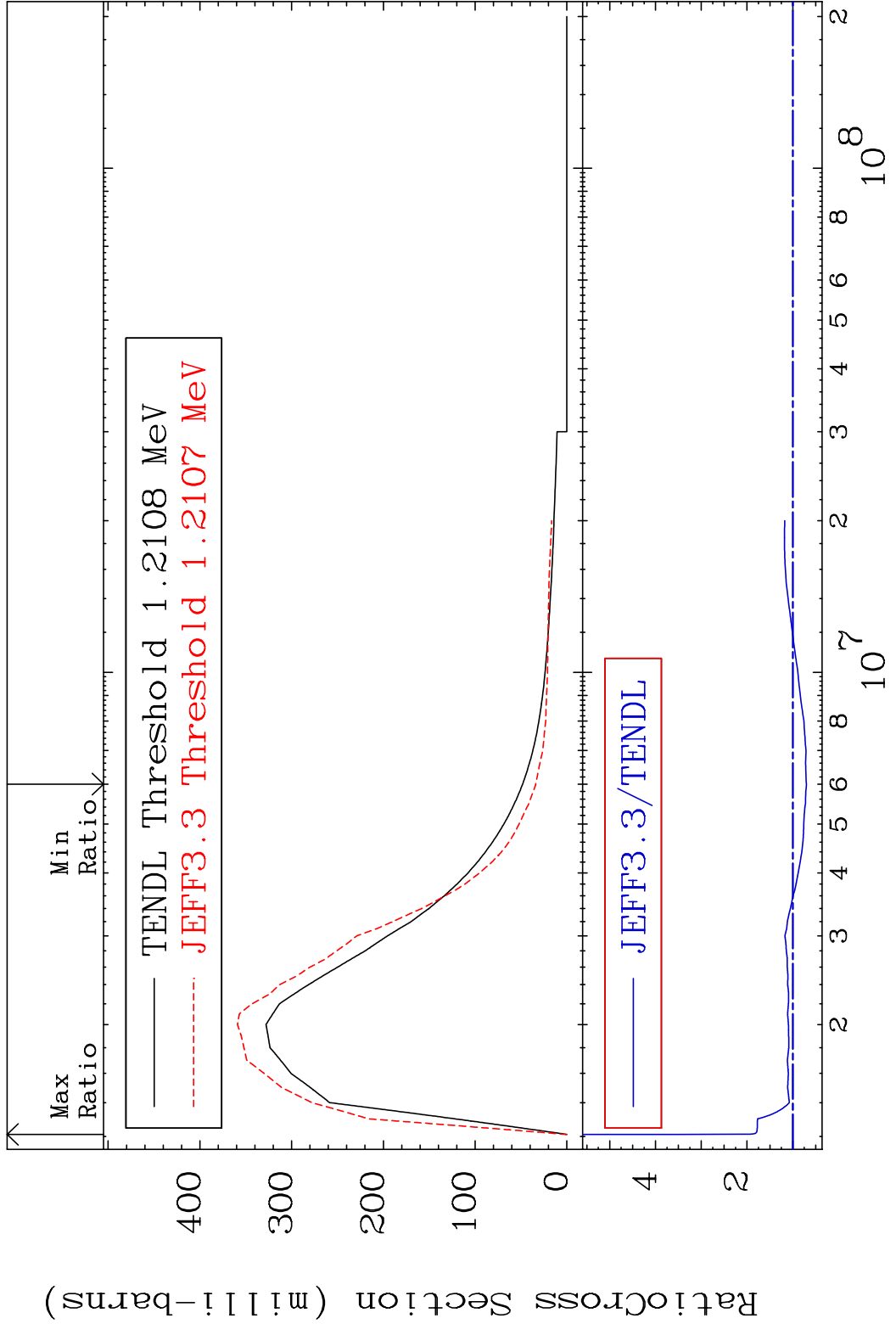
Incident Energy (eV)

27-Co-59

MAT 2725 MT= 51 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %



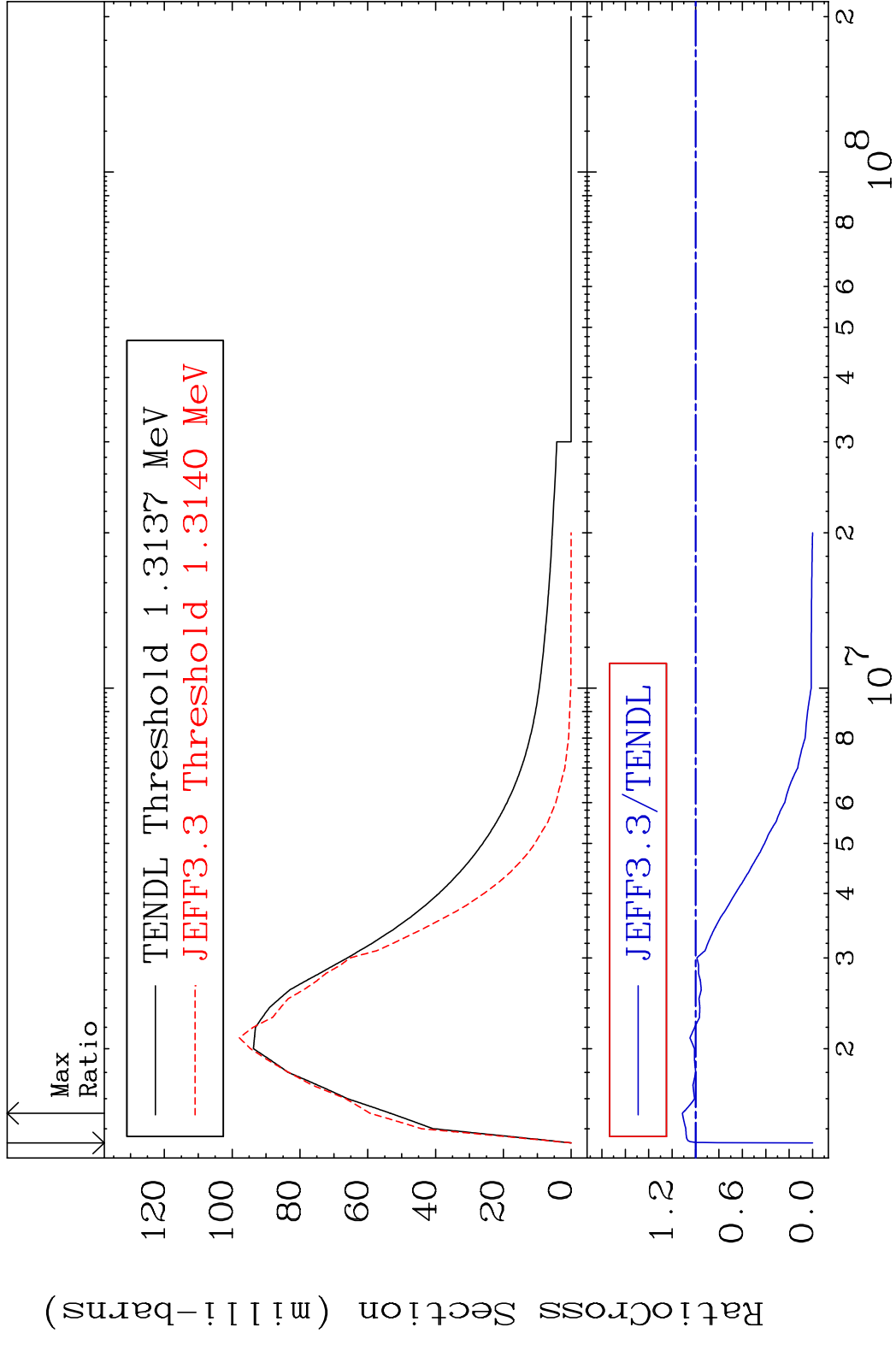
MAT 2725 MT= 52 (n, n') Level 27-Co-59  
 Cross Section -29.76 To 252.6 %



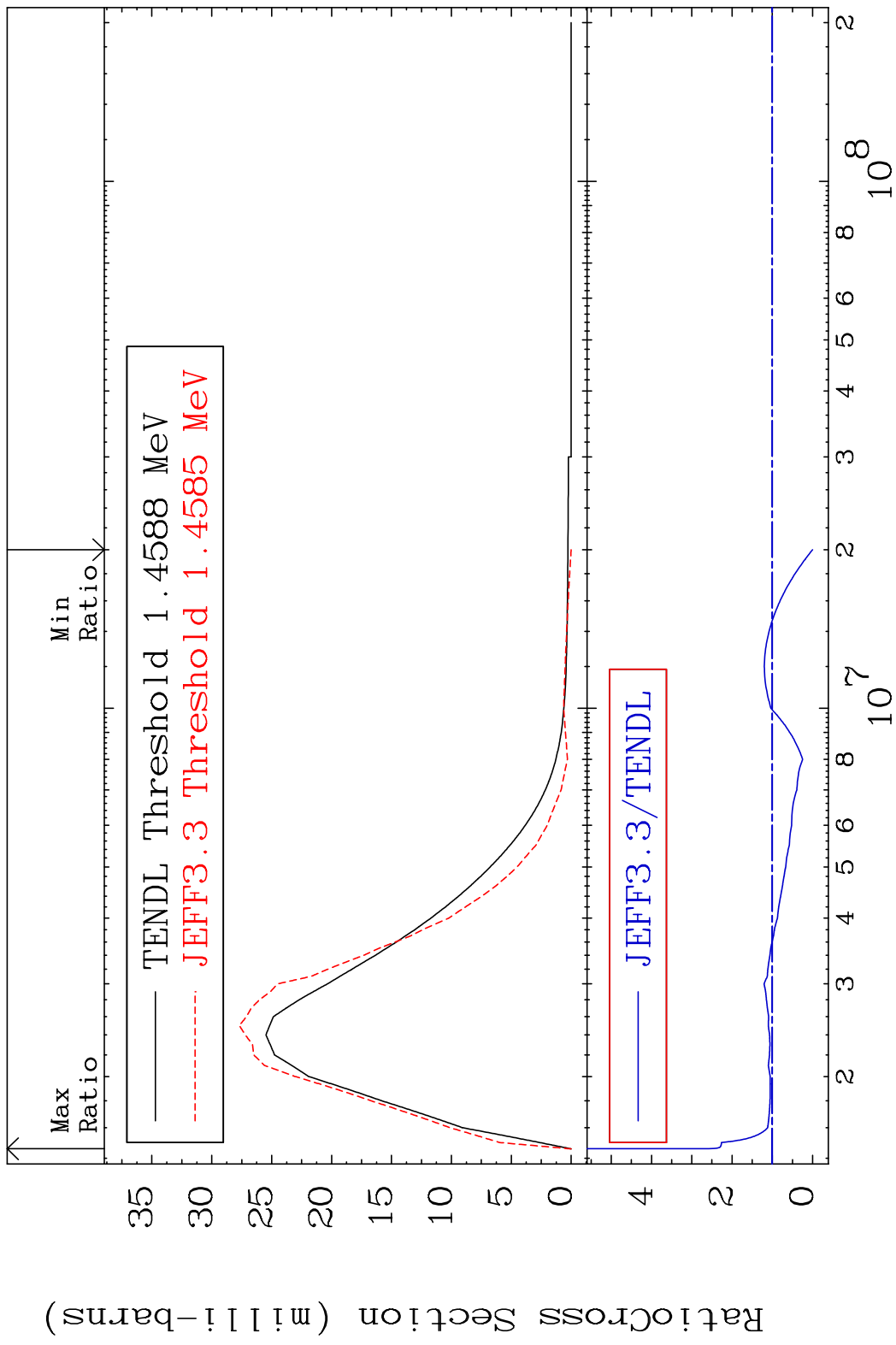
10

Incident Energy (eV) 27-Co-59

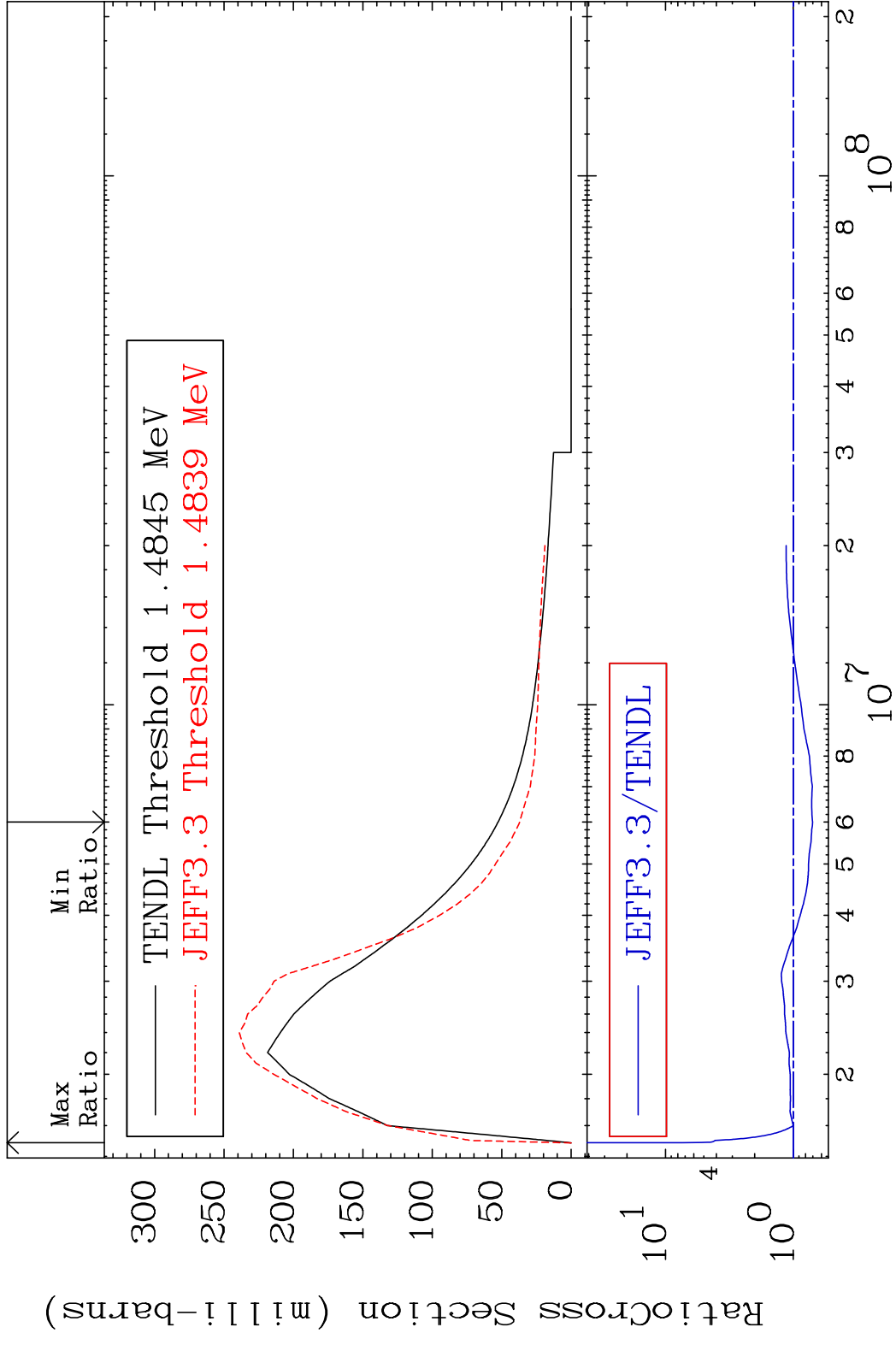
MAT 2725 MT= 53 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 11.26 %



MAT 2725 MT= 54 (n,n') Level 27-Co-59  
 Cross Section -100.0 To 223.4 %



MAT 2725 MT= 55 (n,n') Level 27-Co-59  
 Cross Section -29.53 To 637.3 %

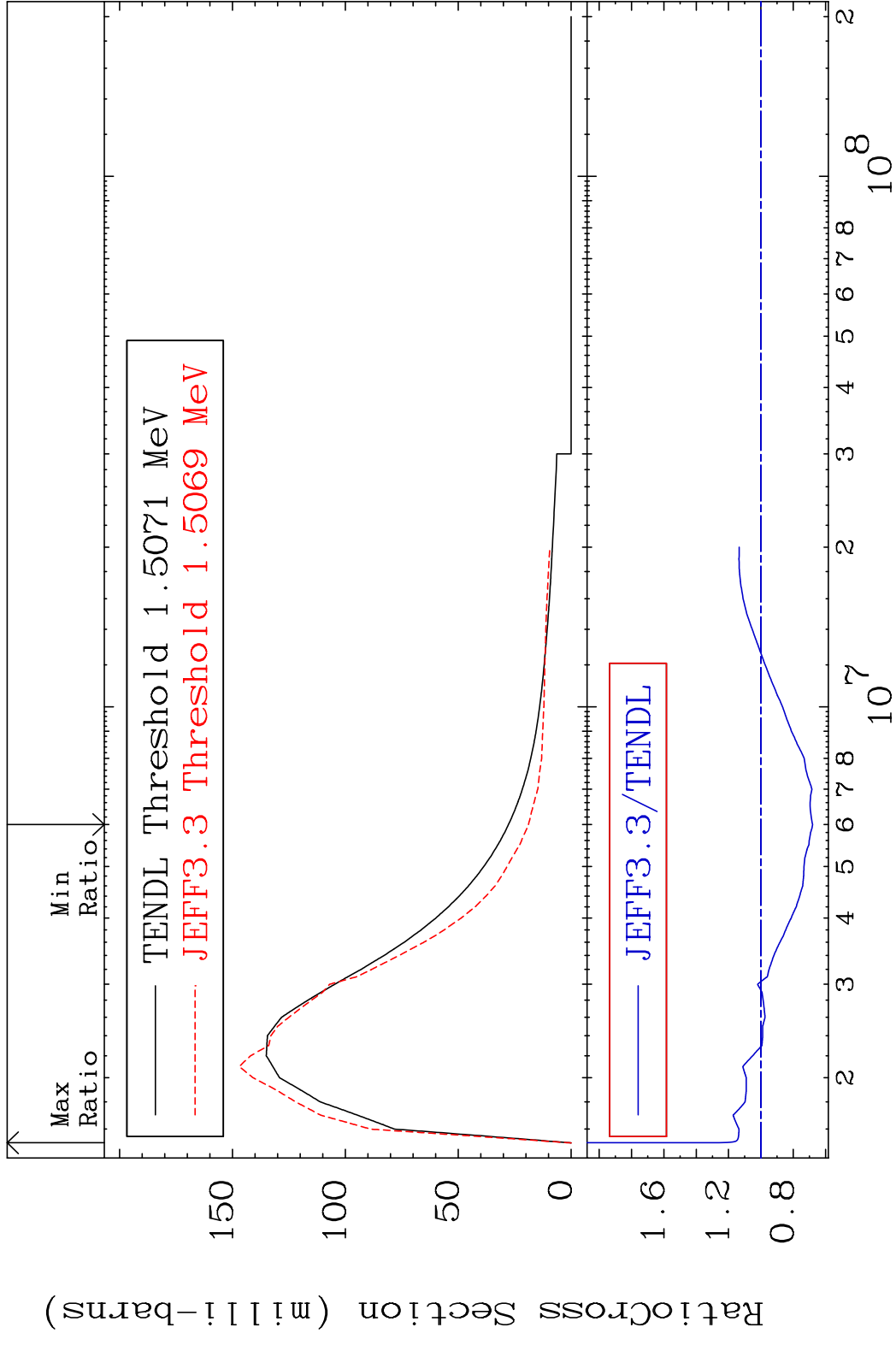


MAT 2725

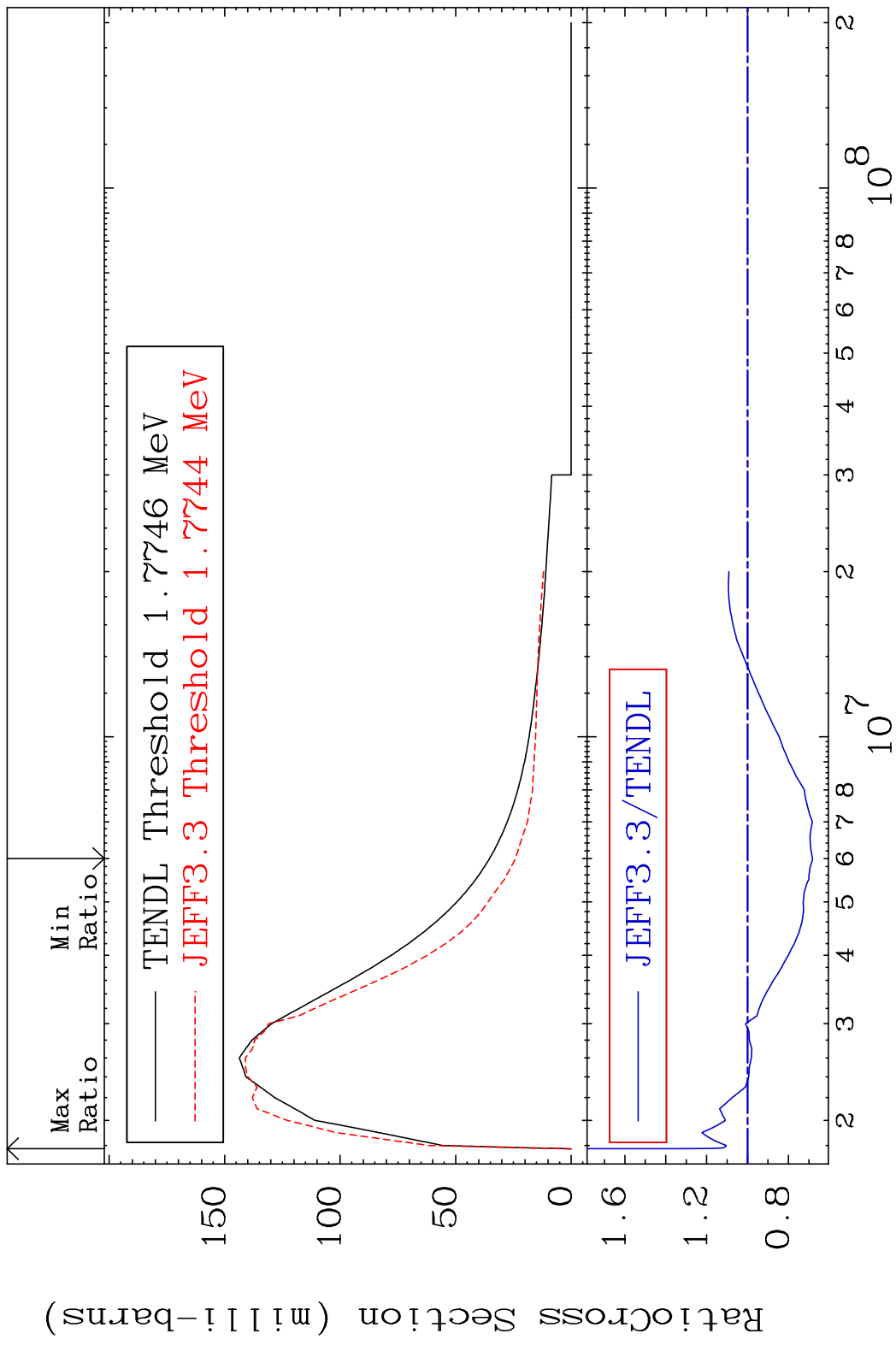
MT= 56 (n,n') Level

27-Co-59

Cross Section -31.93 To 48.57 %



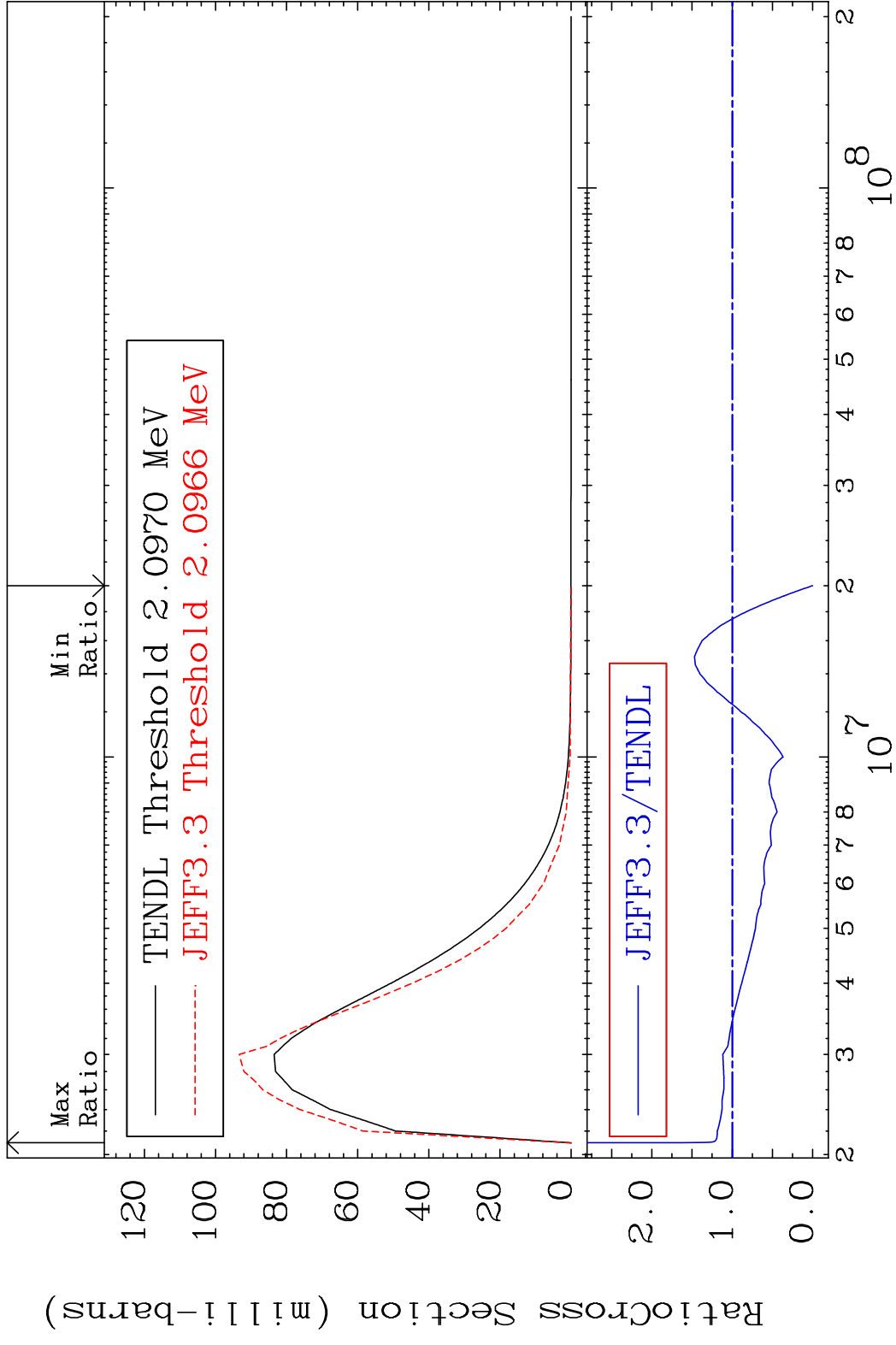
MAT 2725 MT= 57 (n, n') Level 27-Co-59  
 Cross Section -31.79 To 31.88 %



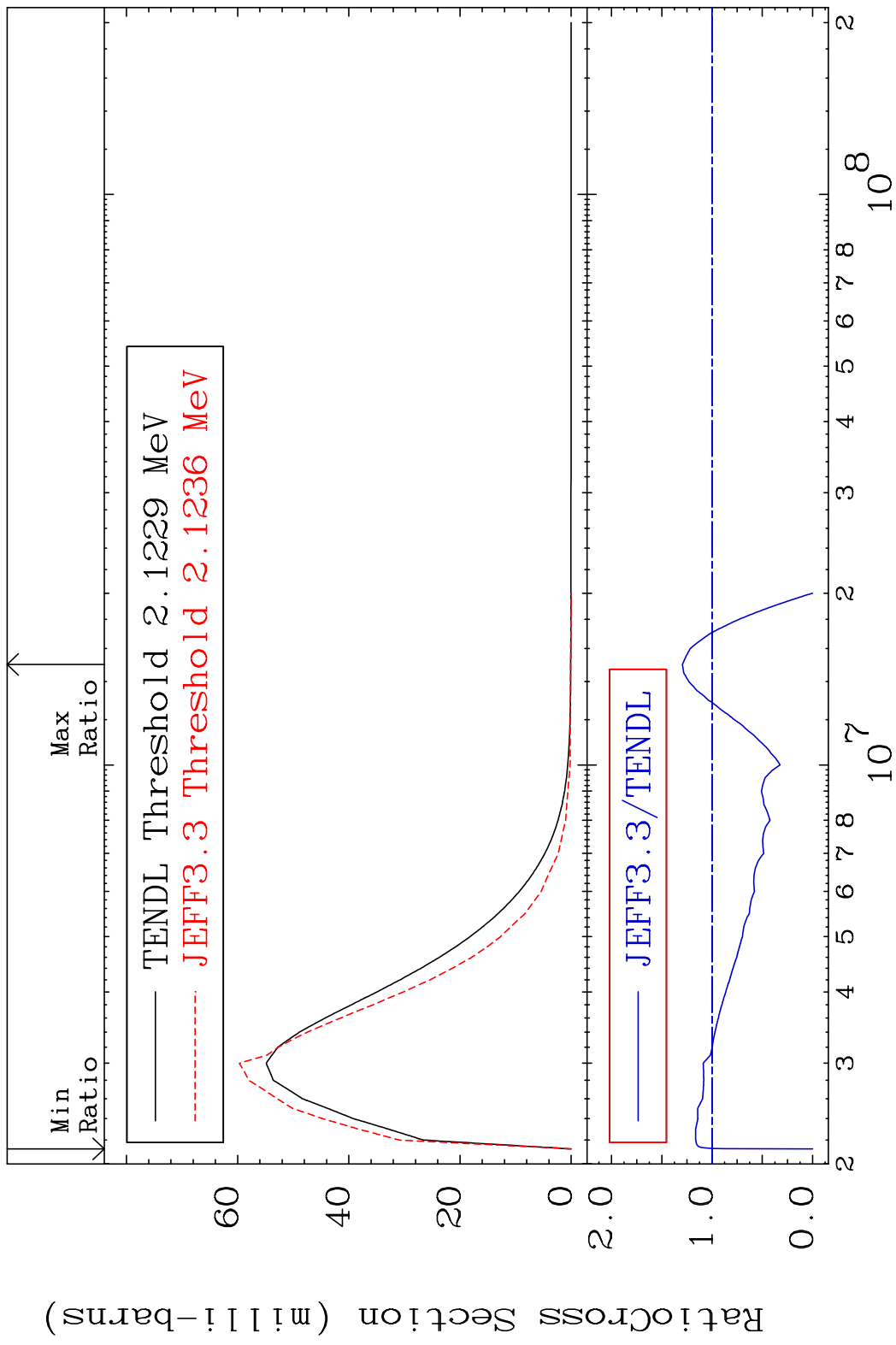
15 Incident Energy (eV) 27-Co-59



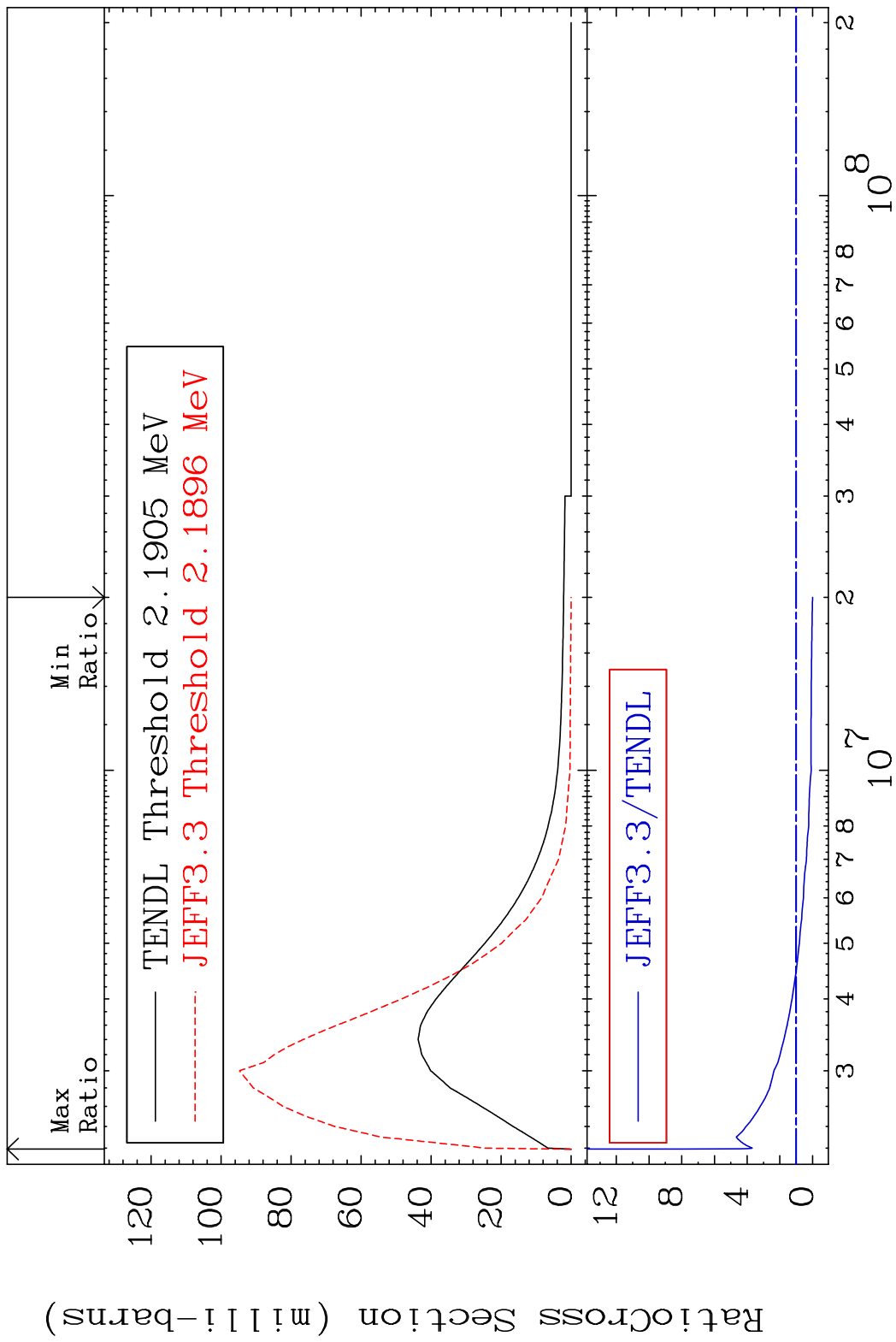
MAT 2725 MT= 58 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 62.09 %



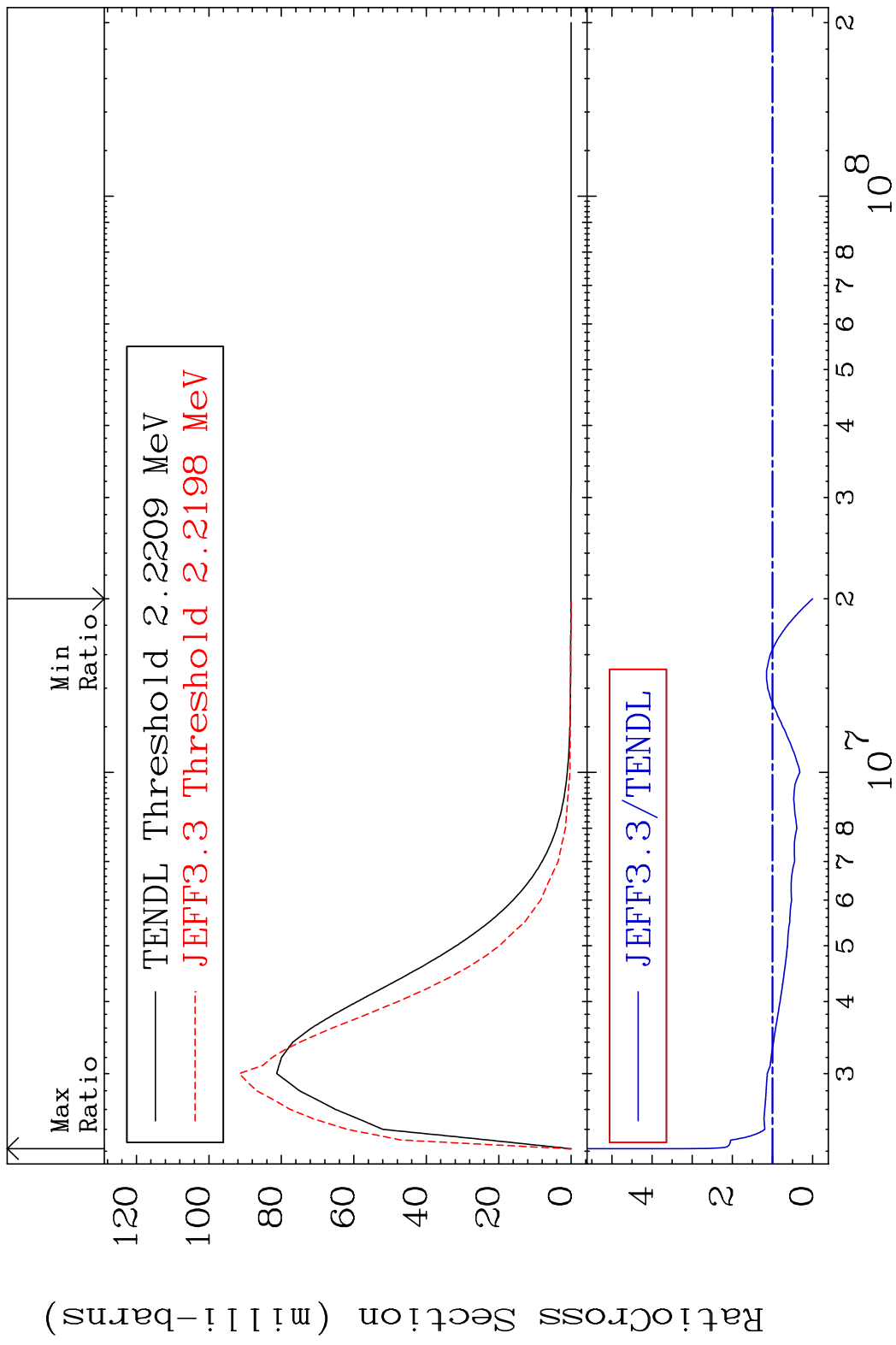
MAT 2725 MT= 59 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 29.54 %



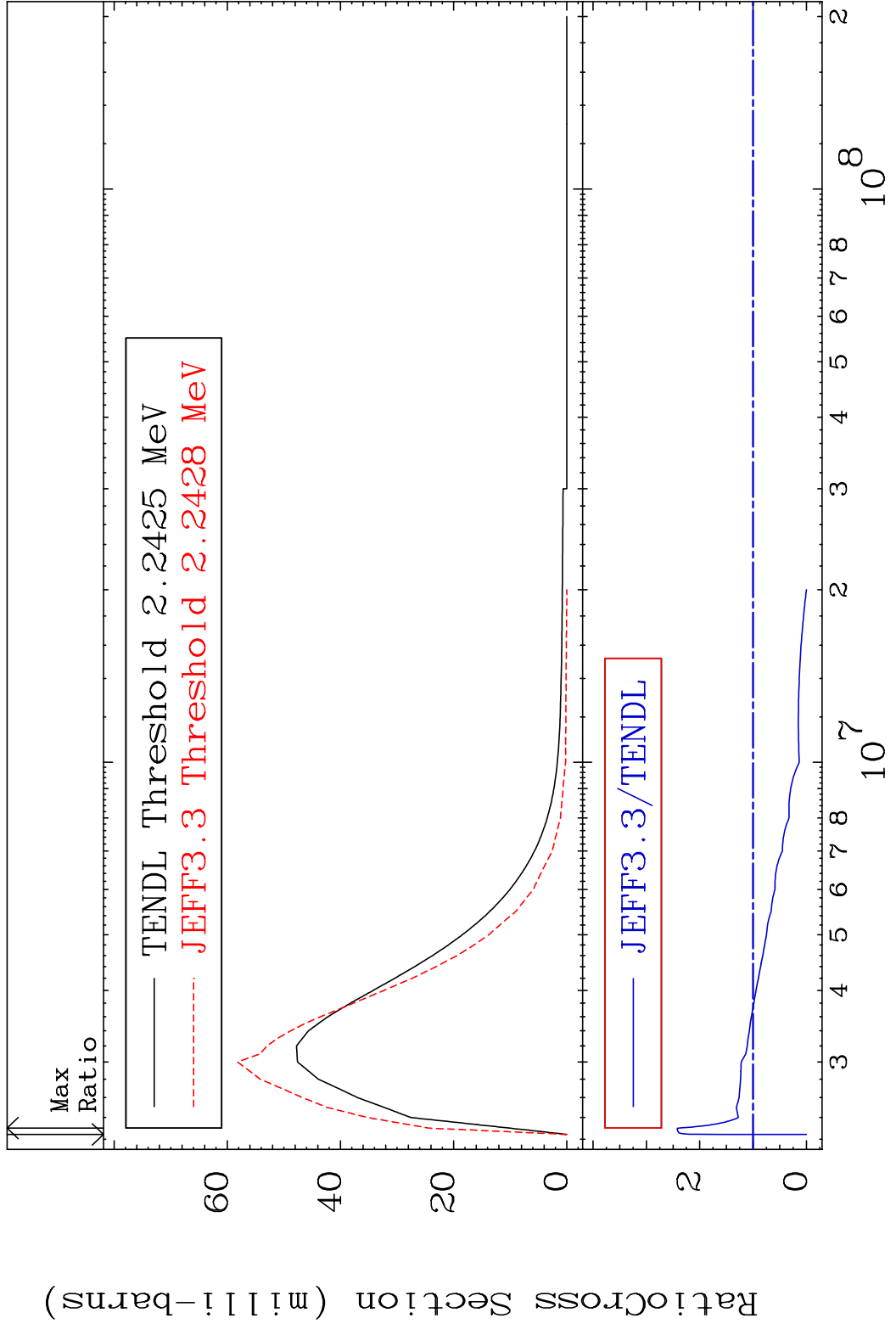
MAT 2725 MT= 60 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 696.3 %



MAT 2725 MT= 61 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 224.5 %

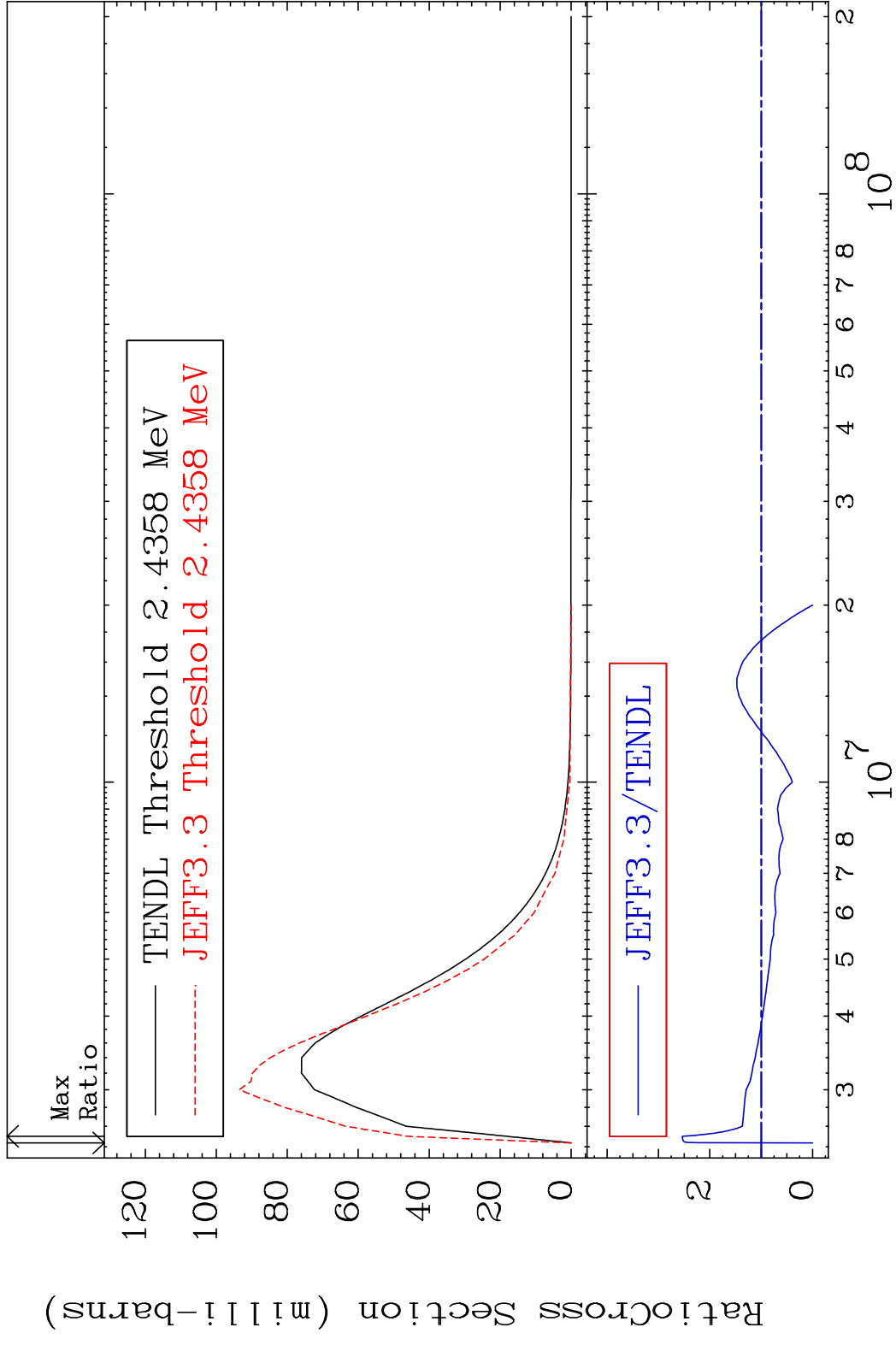


MAT 2725 MT= 62 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 142.2 %

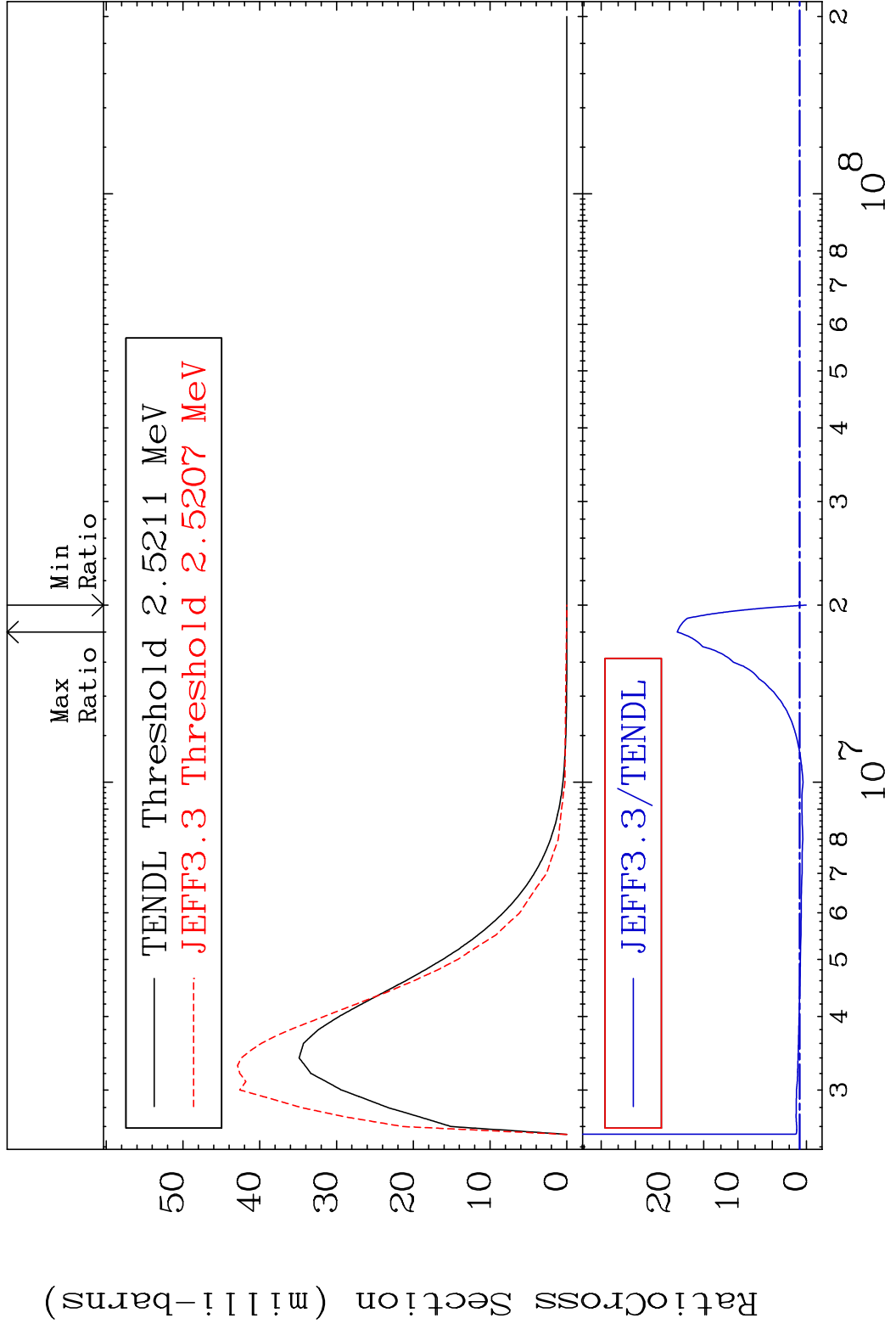


20 27-Co-59

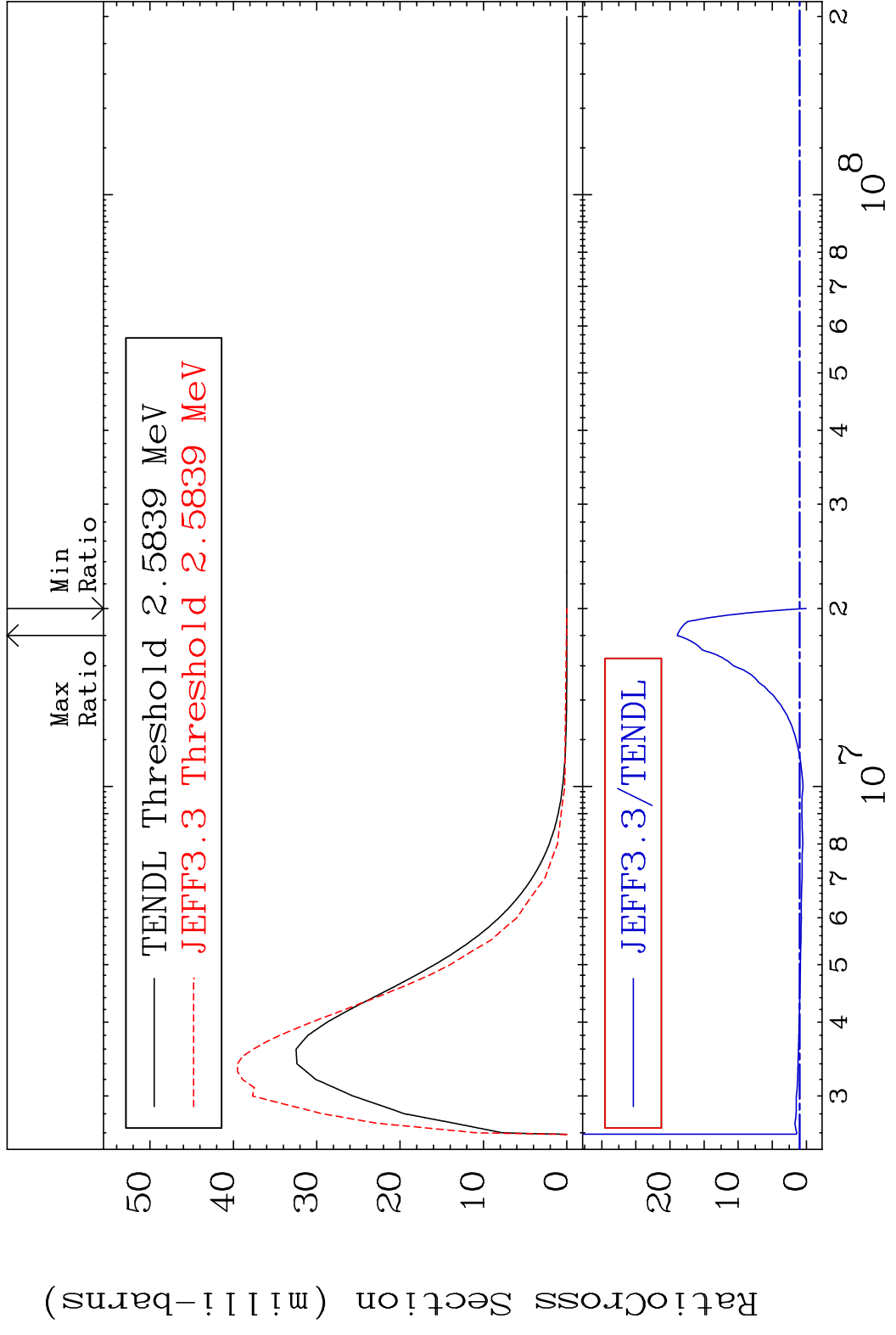
MAT 2725 MT= 63 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 153.5 %



MAT 2725 MT= 64 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1789. %

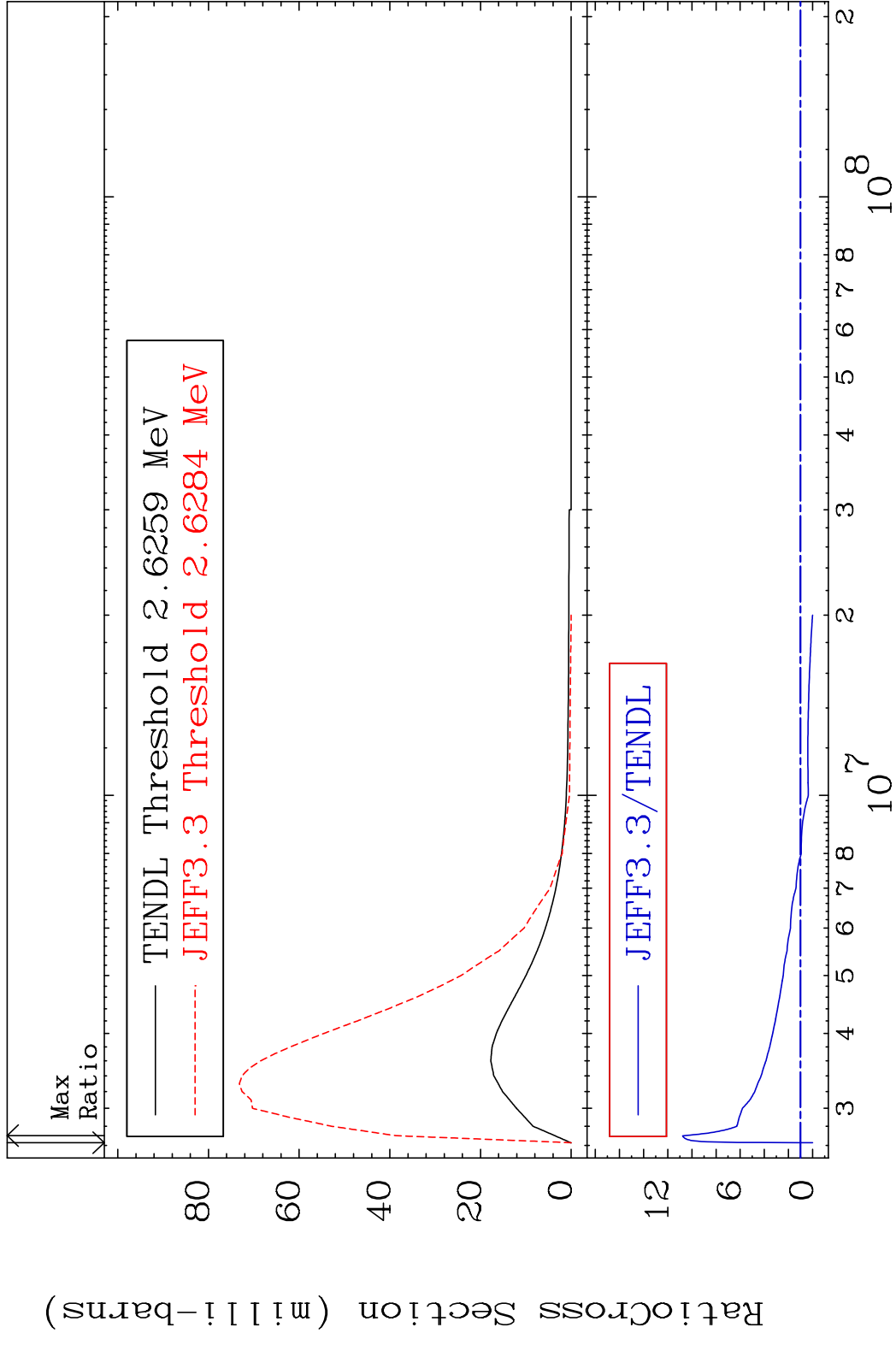


MAT 2725 MT= 65 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1794. %

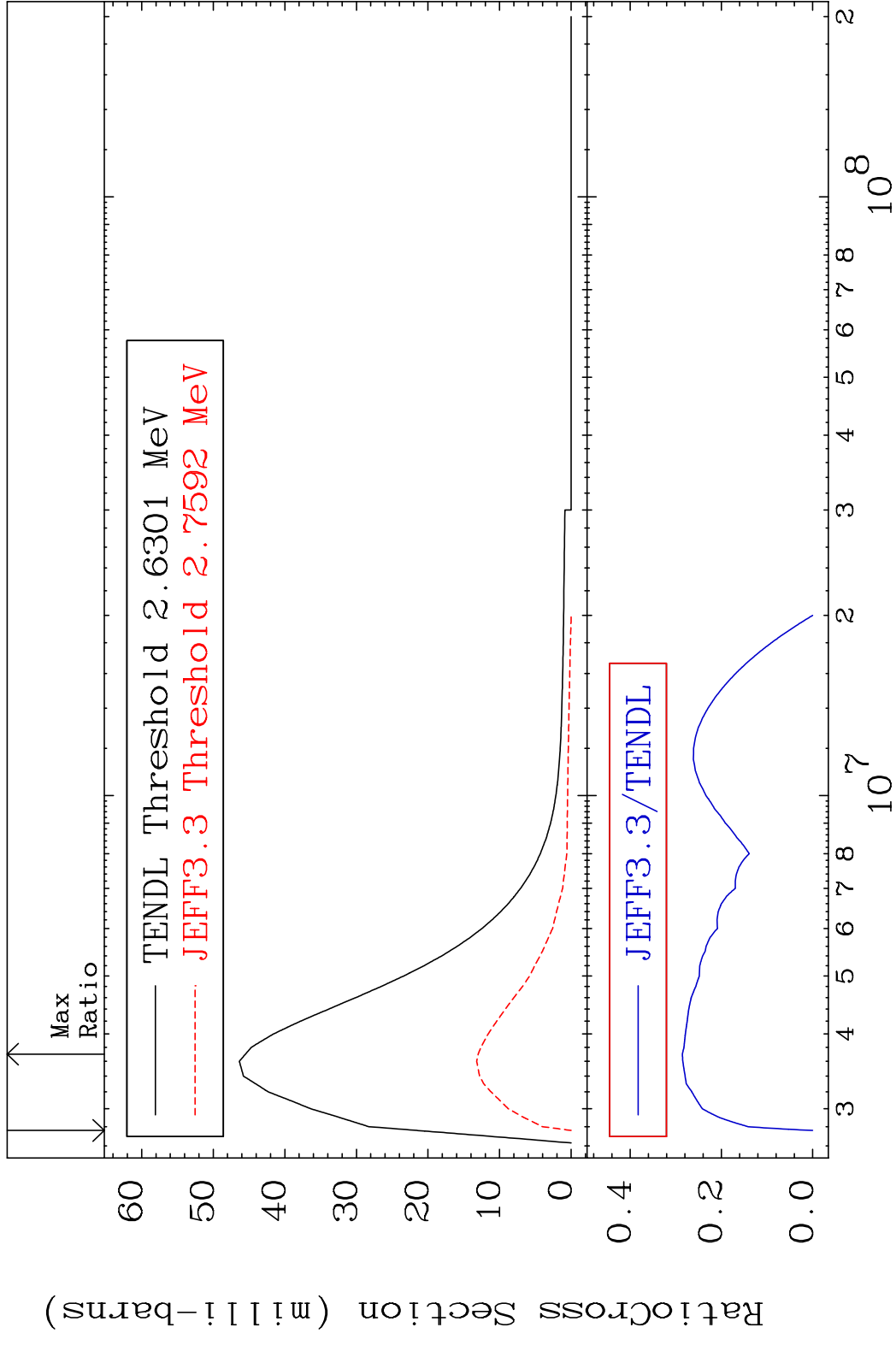




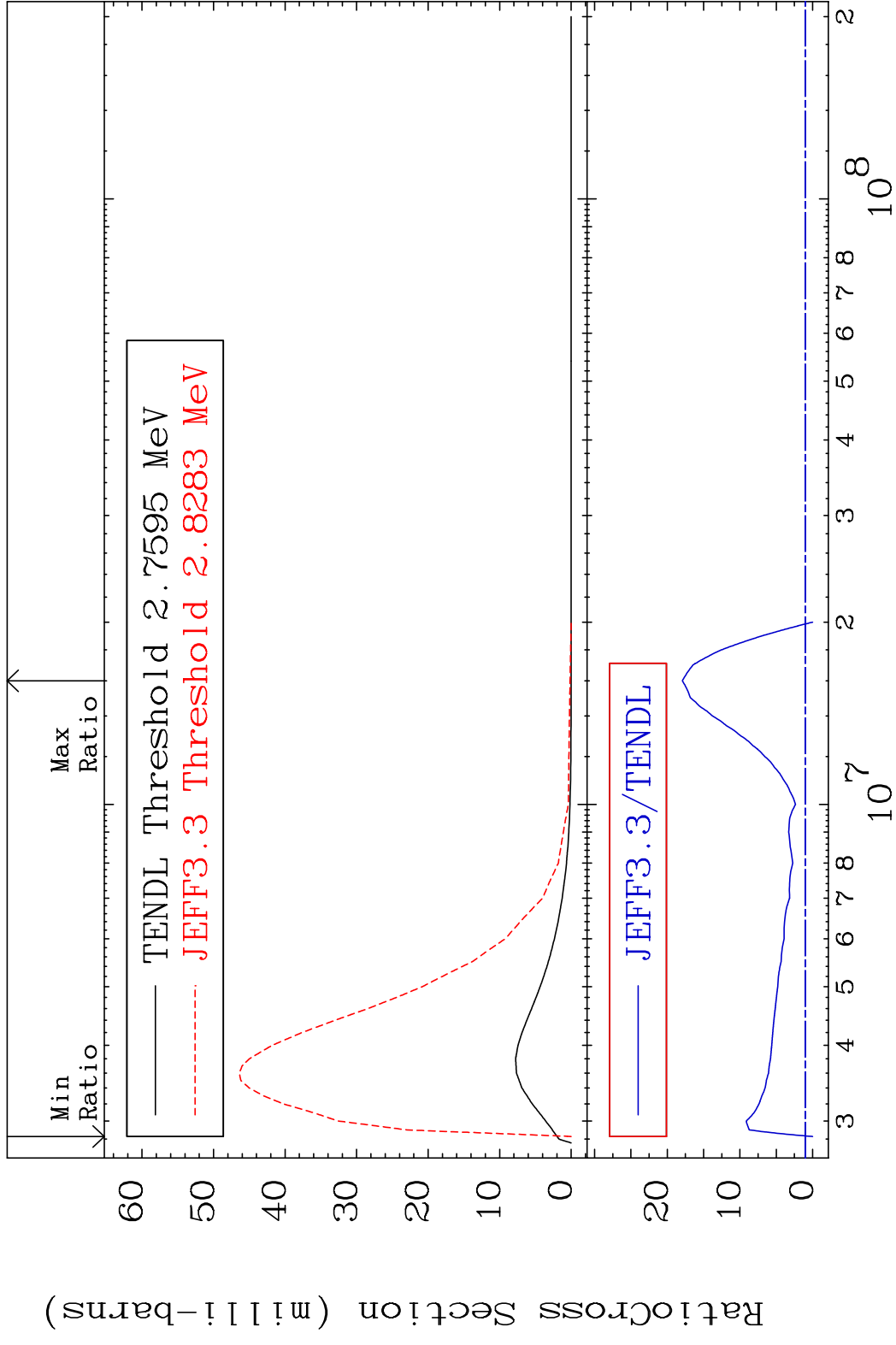
MAT 2725 MT= 66 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 979.1 %



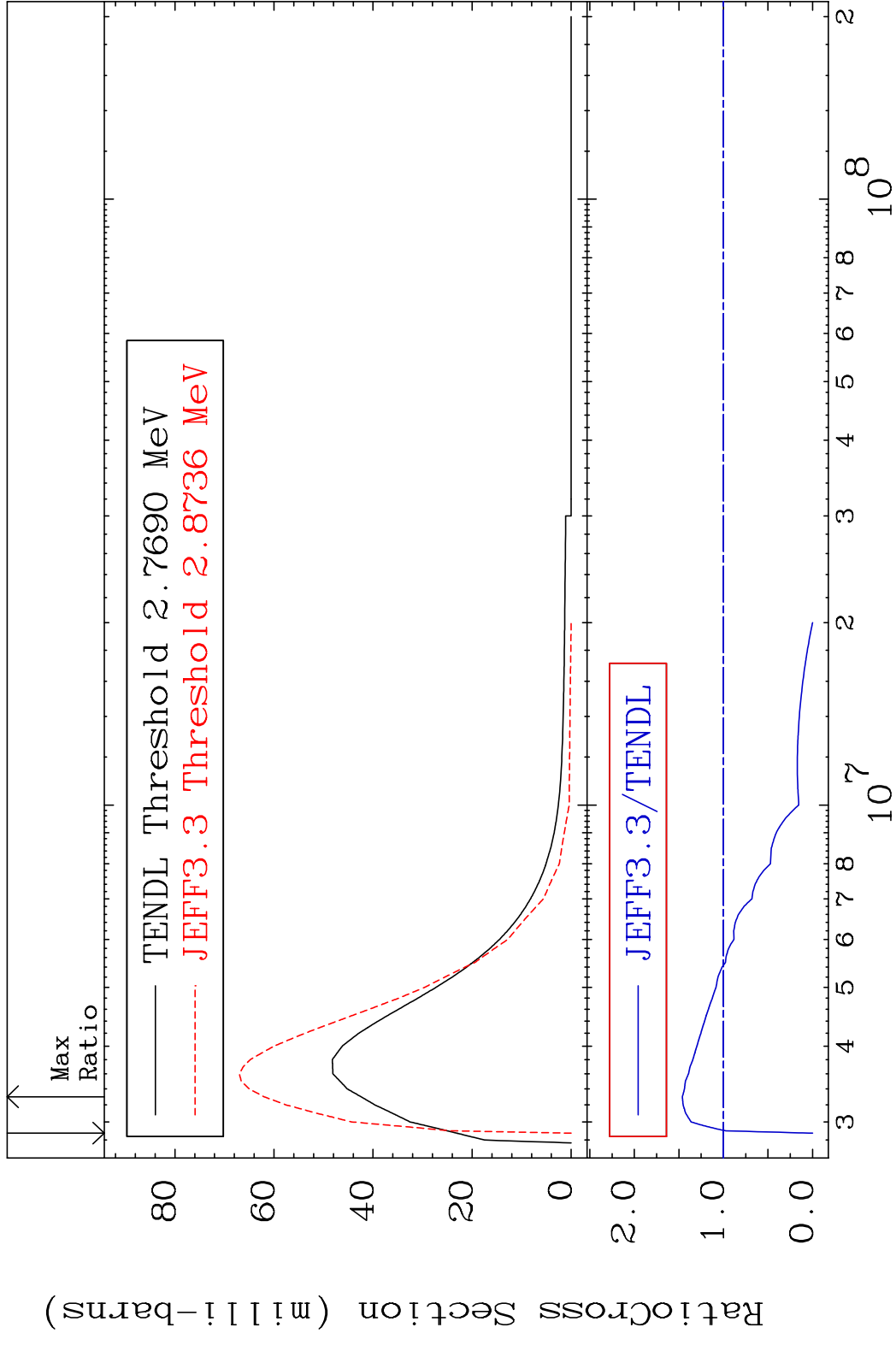
MAT 2725 MT= 67 (n, n') Level 27-Co-59  
 Cross Section -100.0 To -71.44%



MAT 2725 MT= 68 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1692. %



MAT 2725 MT= 69 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 46.14 %

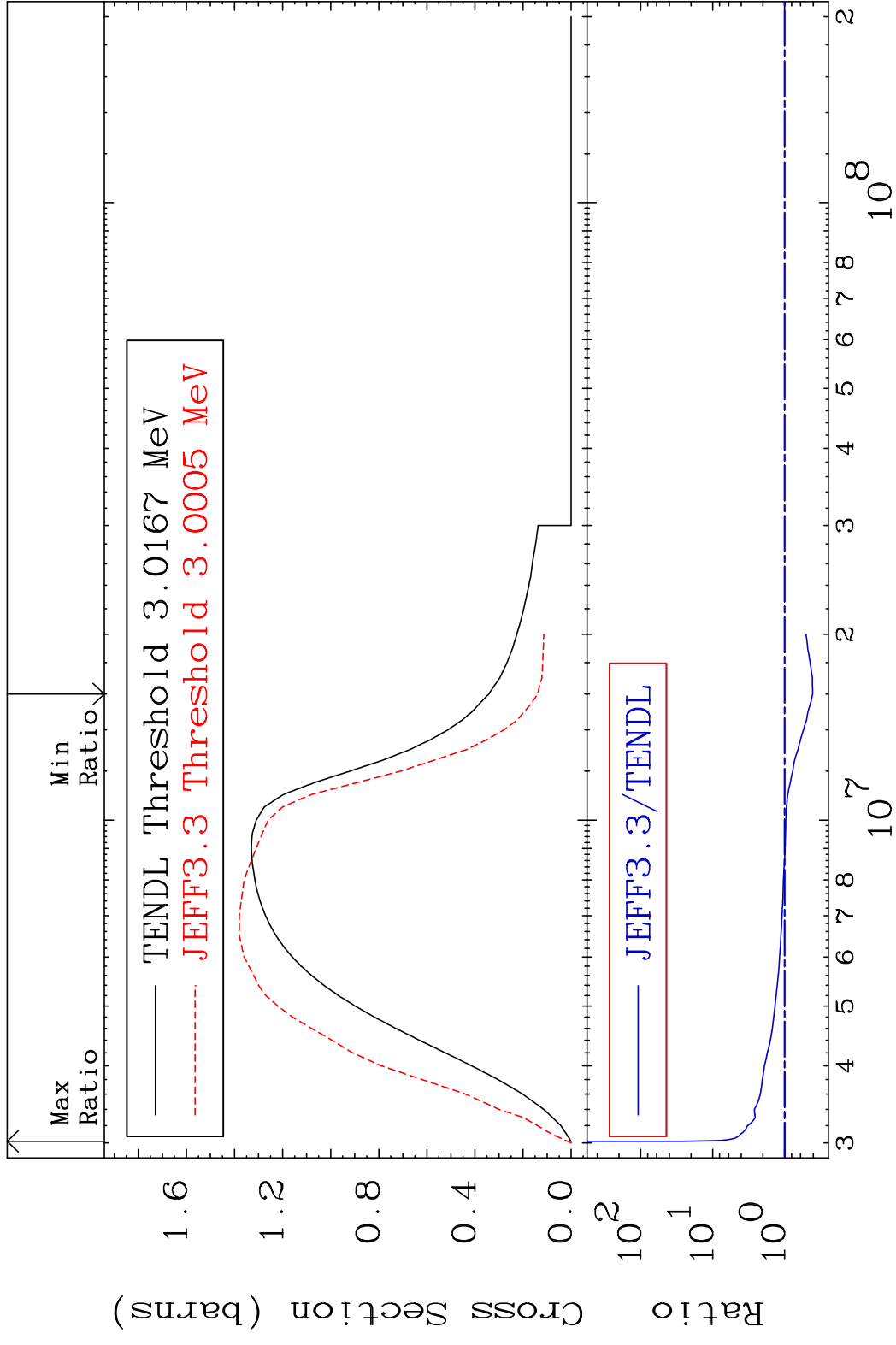


MAT 2725

(n, n') Continuum

27-Co-59

Cross Section -59.17 To 2534. %

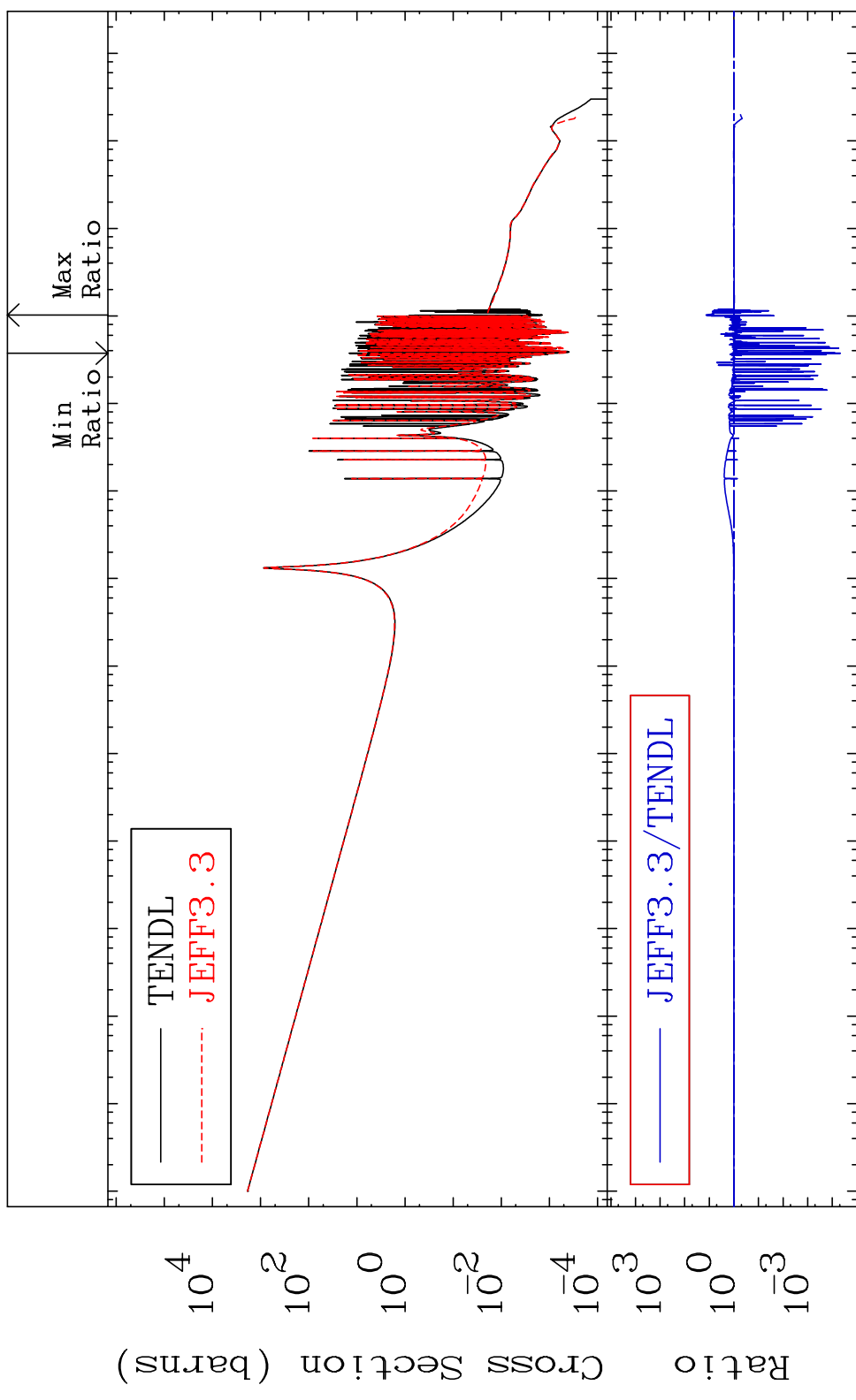


MAT 2725

(n,  $\gamma$ )

27-Co-59

Cross Section -100.0 To 1291. %

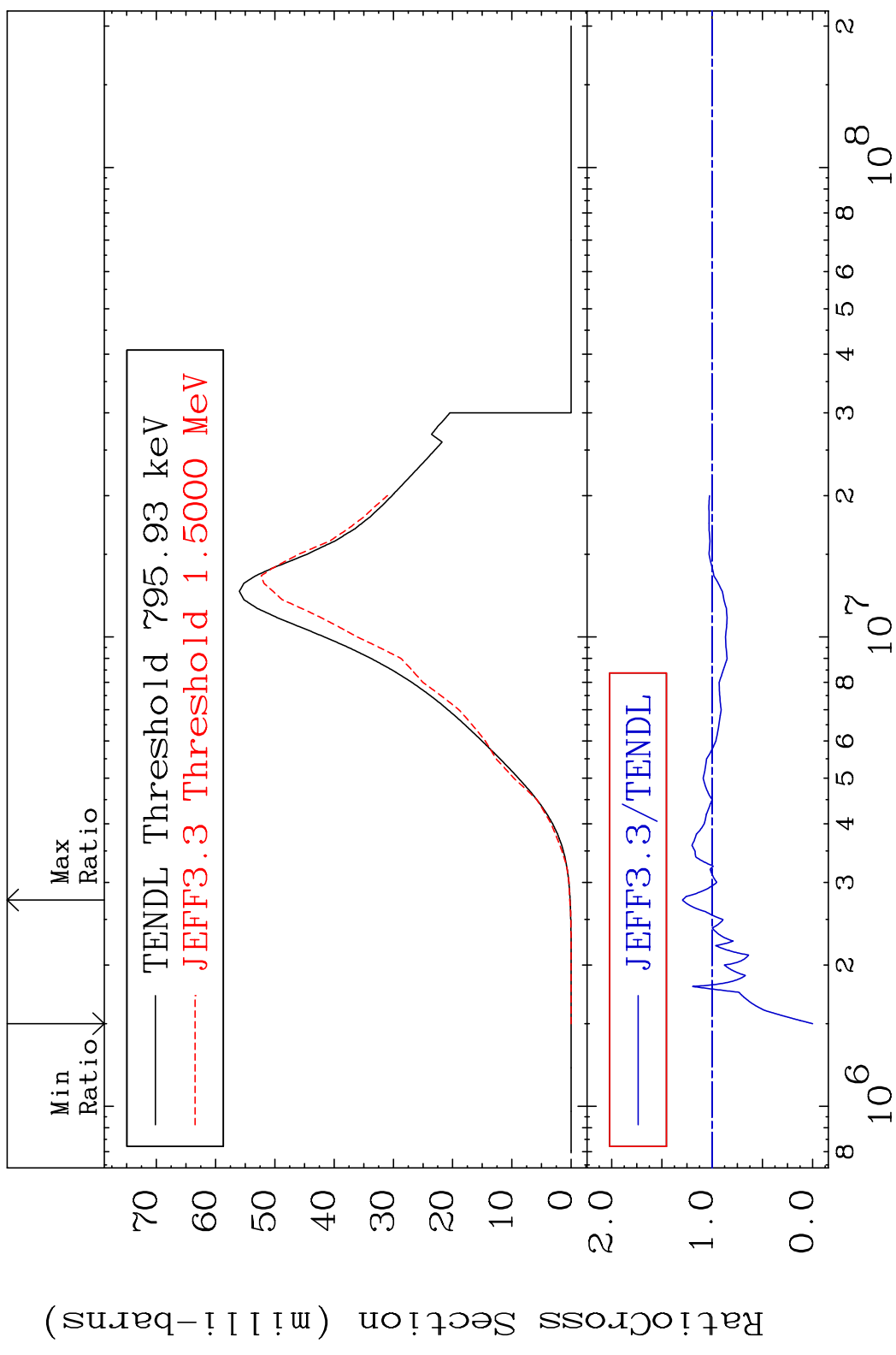


MAT 2725

(n,p)

27-Co-59

Cross Section -100.0 To 29.66 %

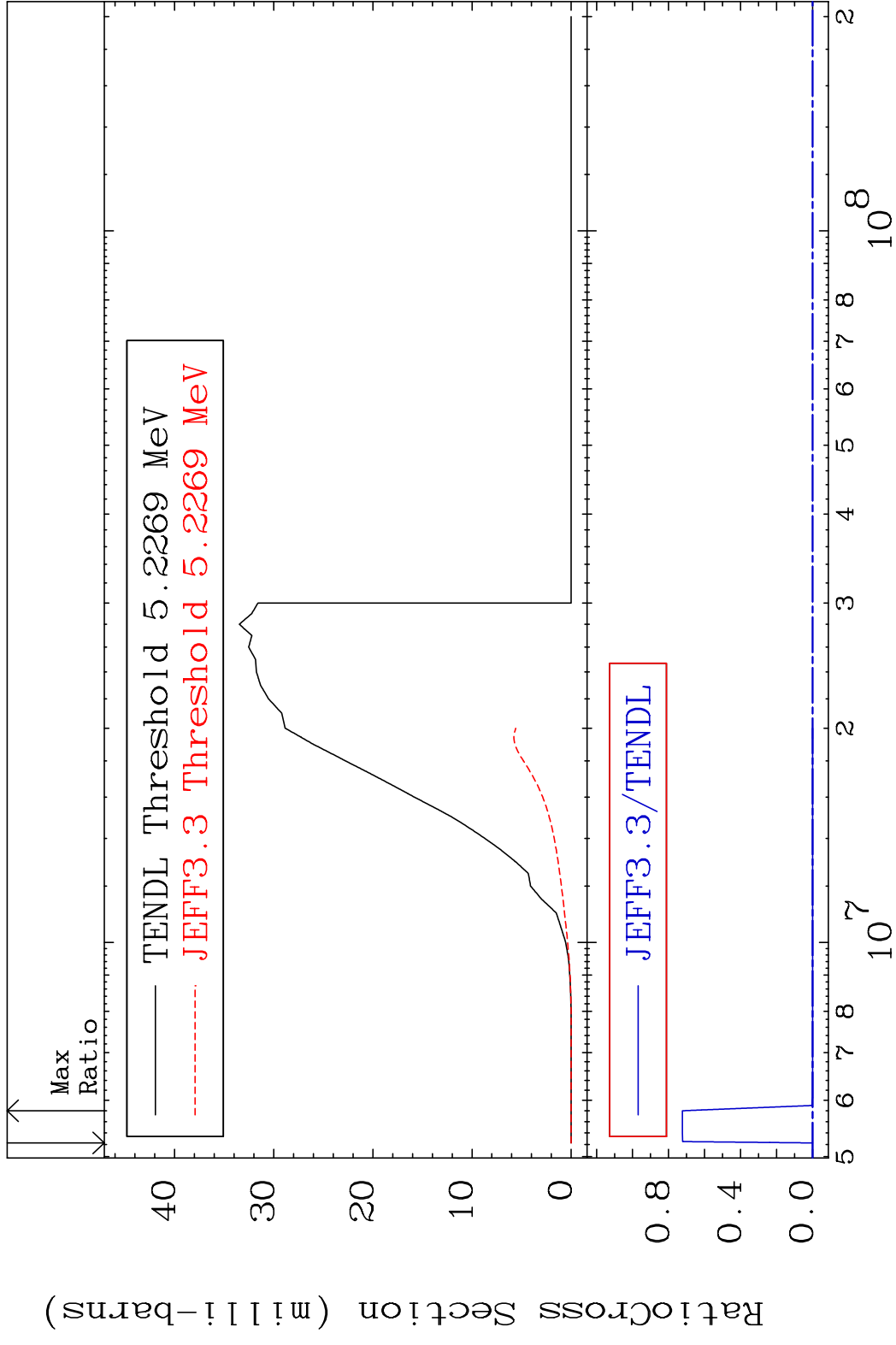


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Incident Energy (eV)

27-Co-59

MAT 2725 (n,d) 27-Co-59  
 Cross Section -100.0 To 9999. %



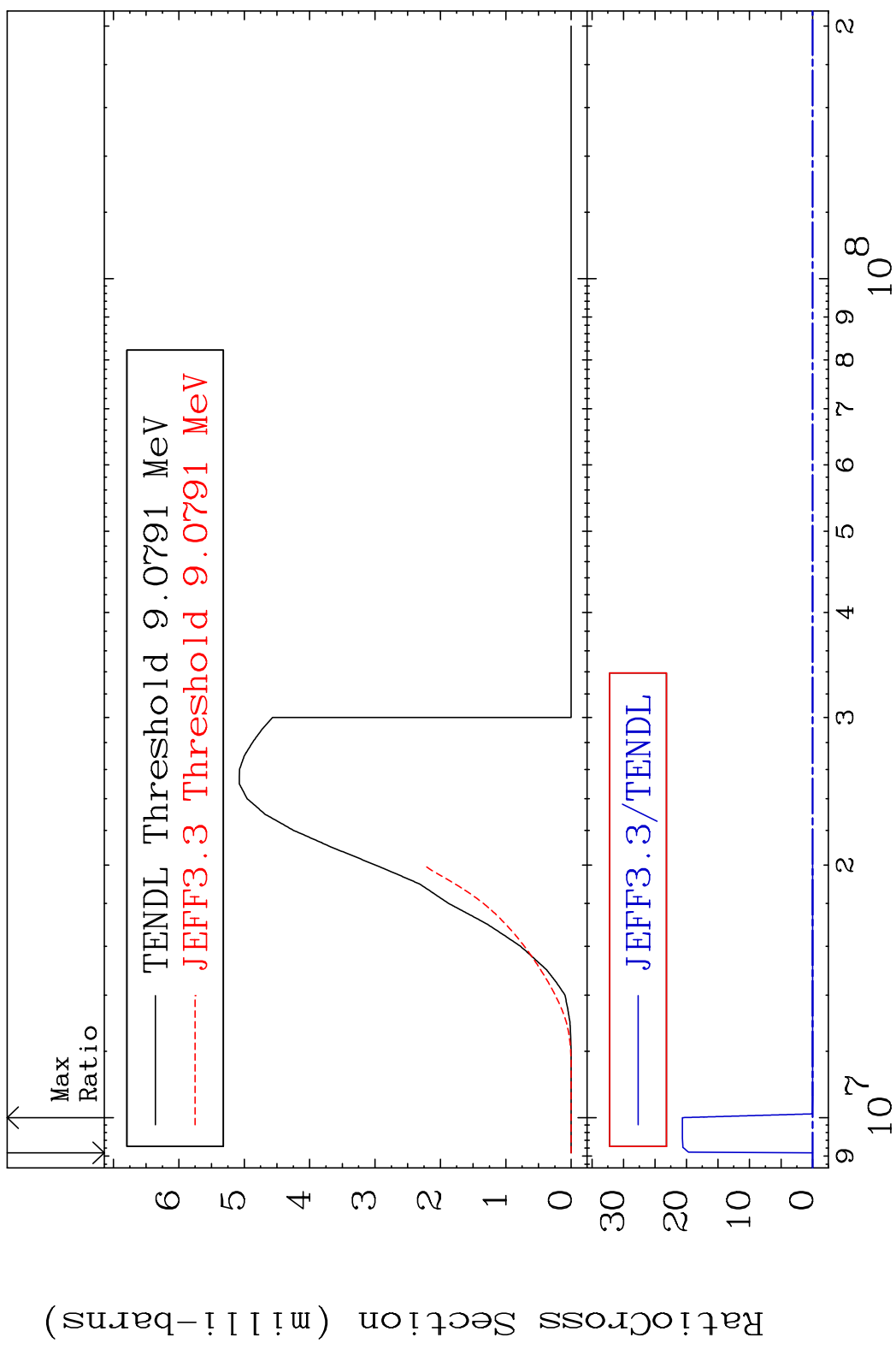


MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

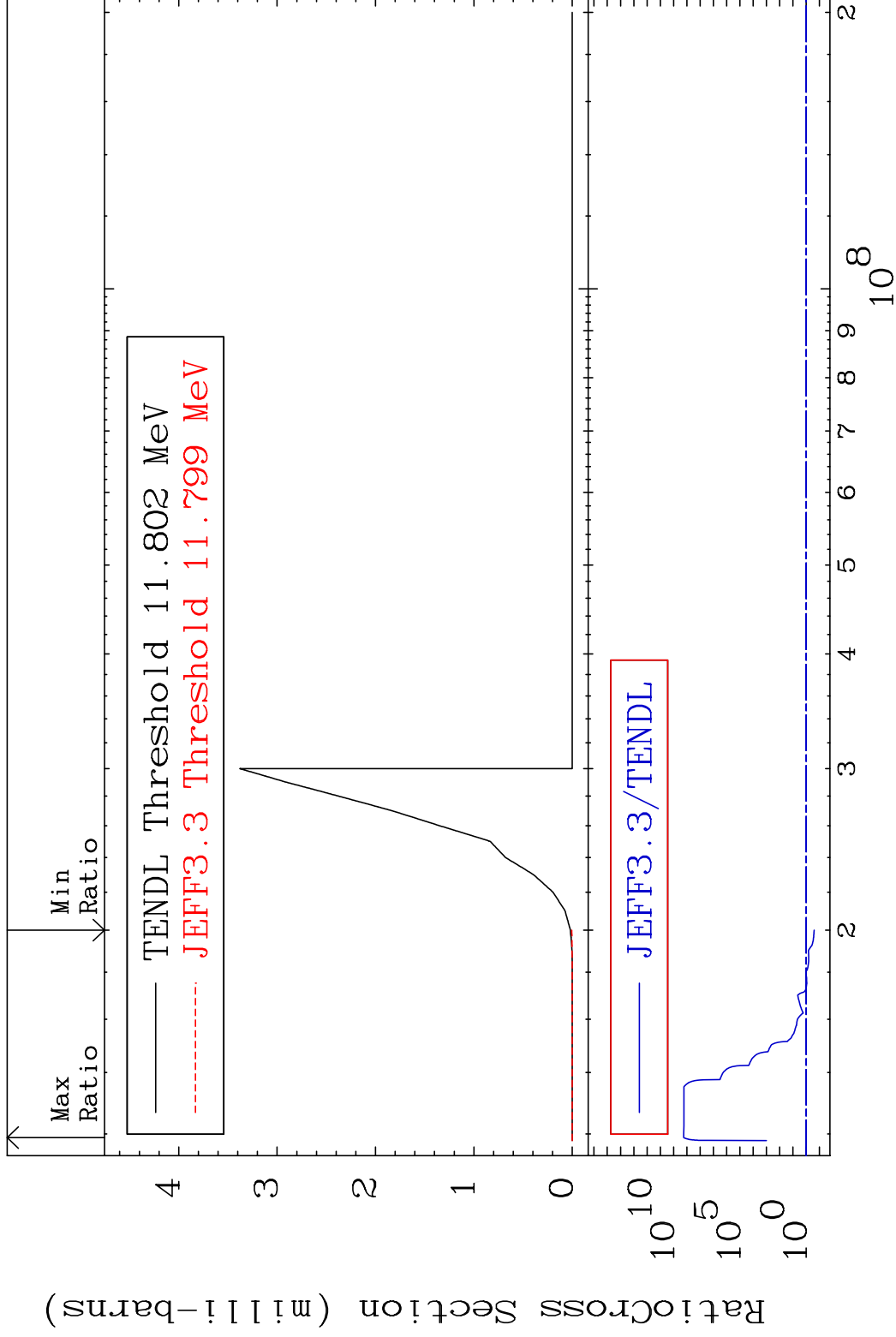
27-Co-59

MAT 2725

(n, He-3)

27-Co-59

Cross Section -74.68 To 9999. %



33

Incident Energy (eV)

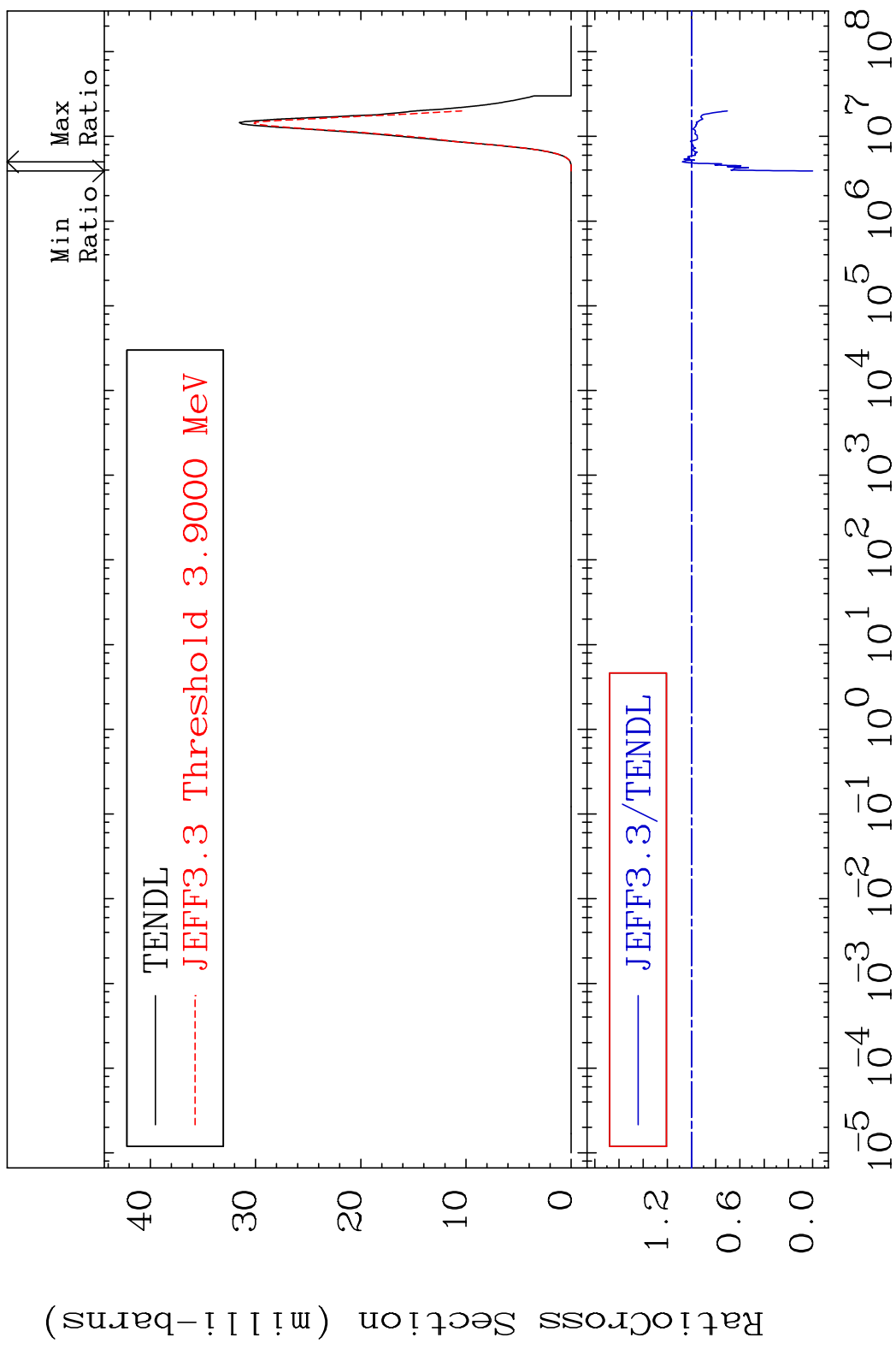
27-Co-59

MAT 2725

(n,  $\alpha$ )

27-Co-59

Cross Section -100.0 To 7.594 %

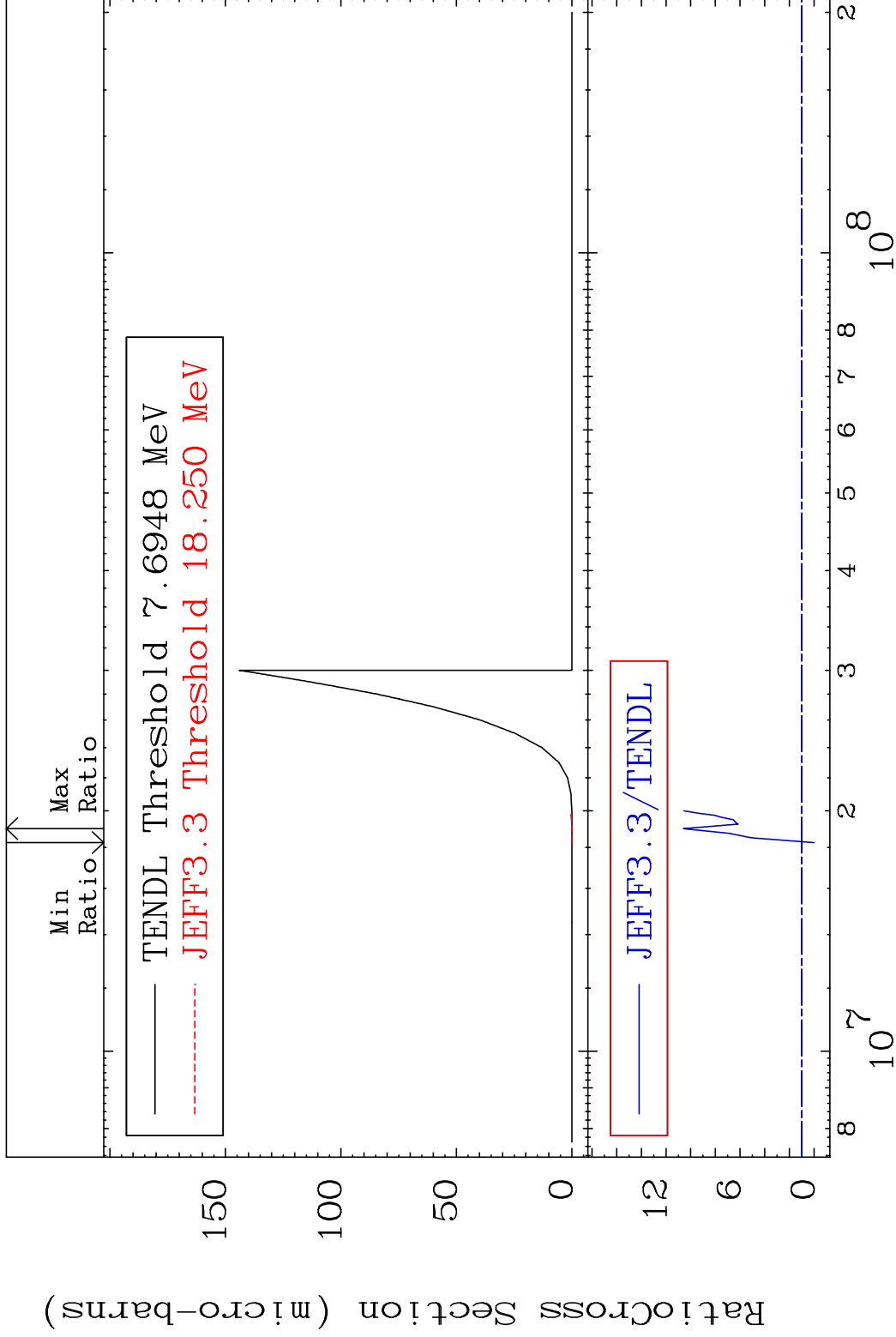


MAT 2725

(n,2α)

27-Co-59

Cross Section -100.0 To 958.6 %



35

Incident Energy (eV)

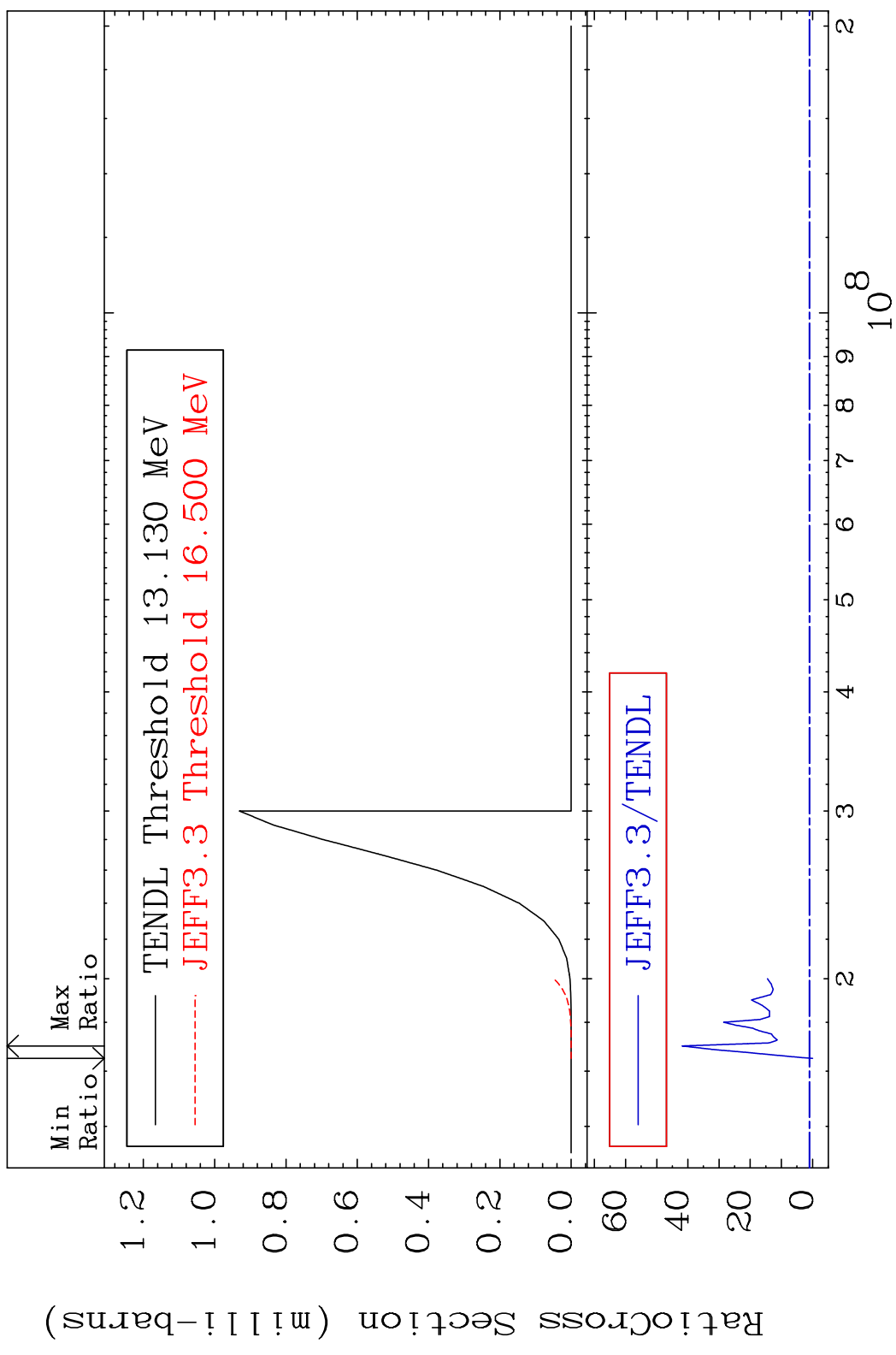
27-Co-59

MAT 2725

(n,2p)

27-Co-59

Cross Section -100.0 To 4078. %

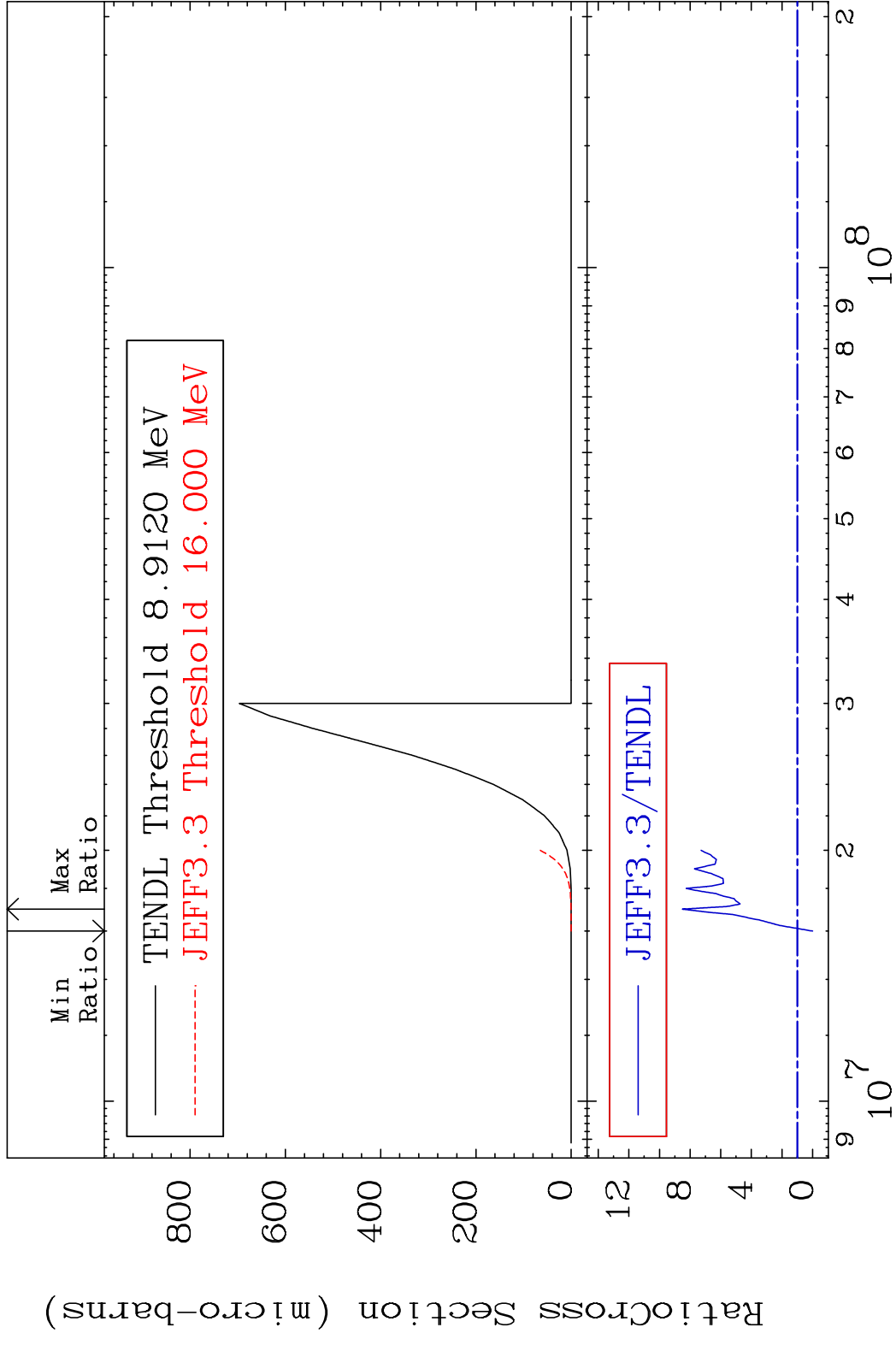


MAT 2725

27-Co-59

(n,p)  $\alpha$

Cross Section -100.0 To 750.6 %



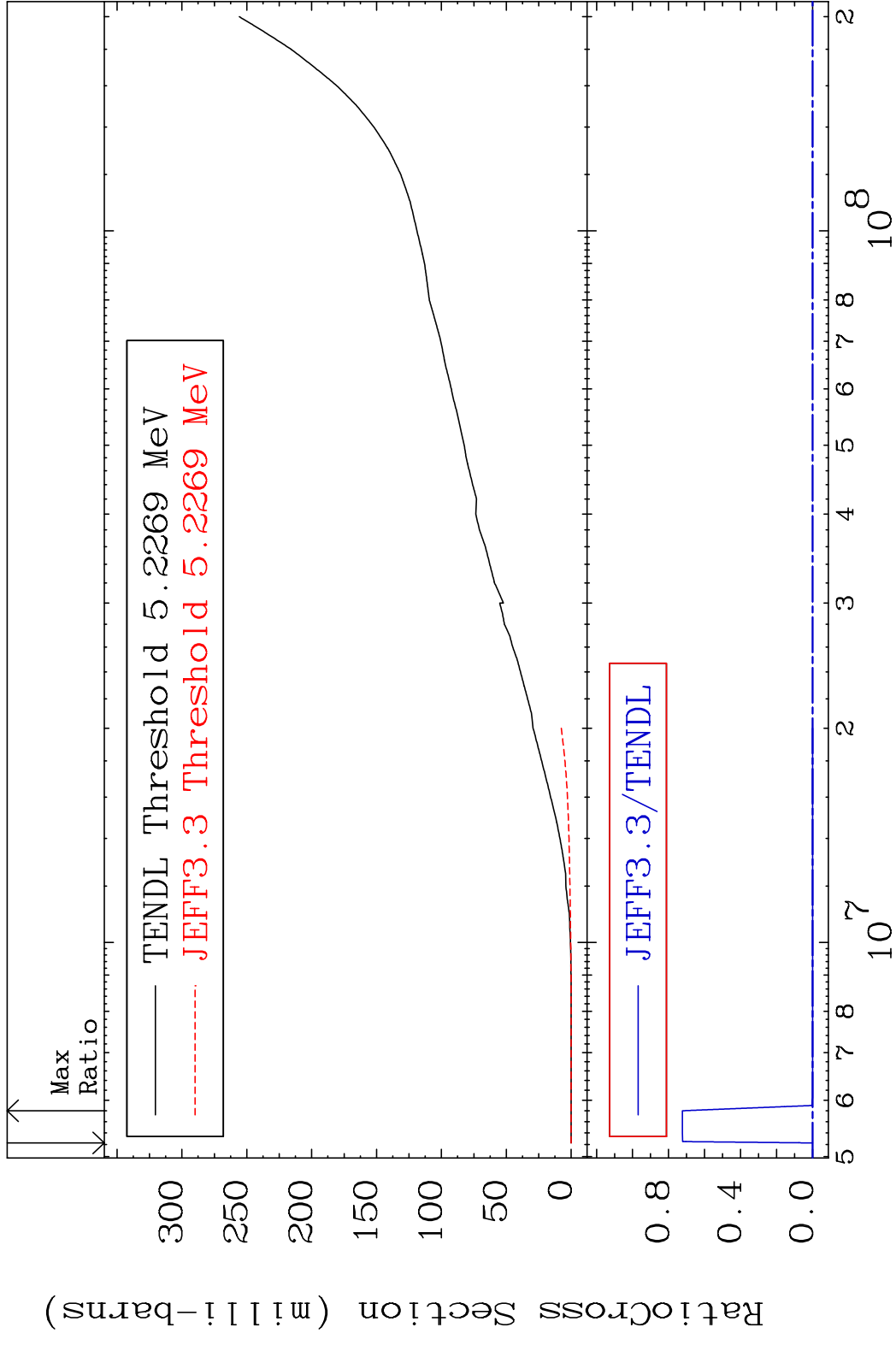
37

Incident Energy (eV)

27-Co-59



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



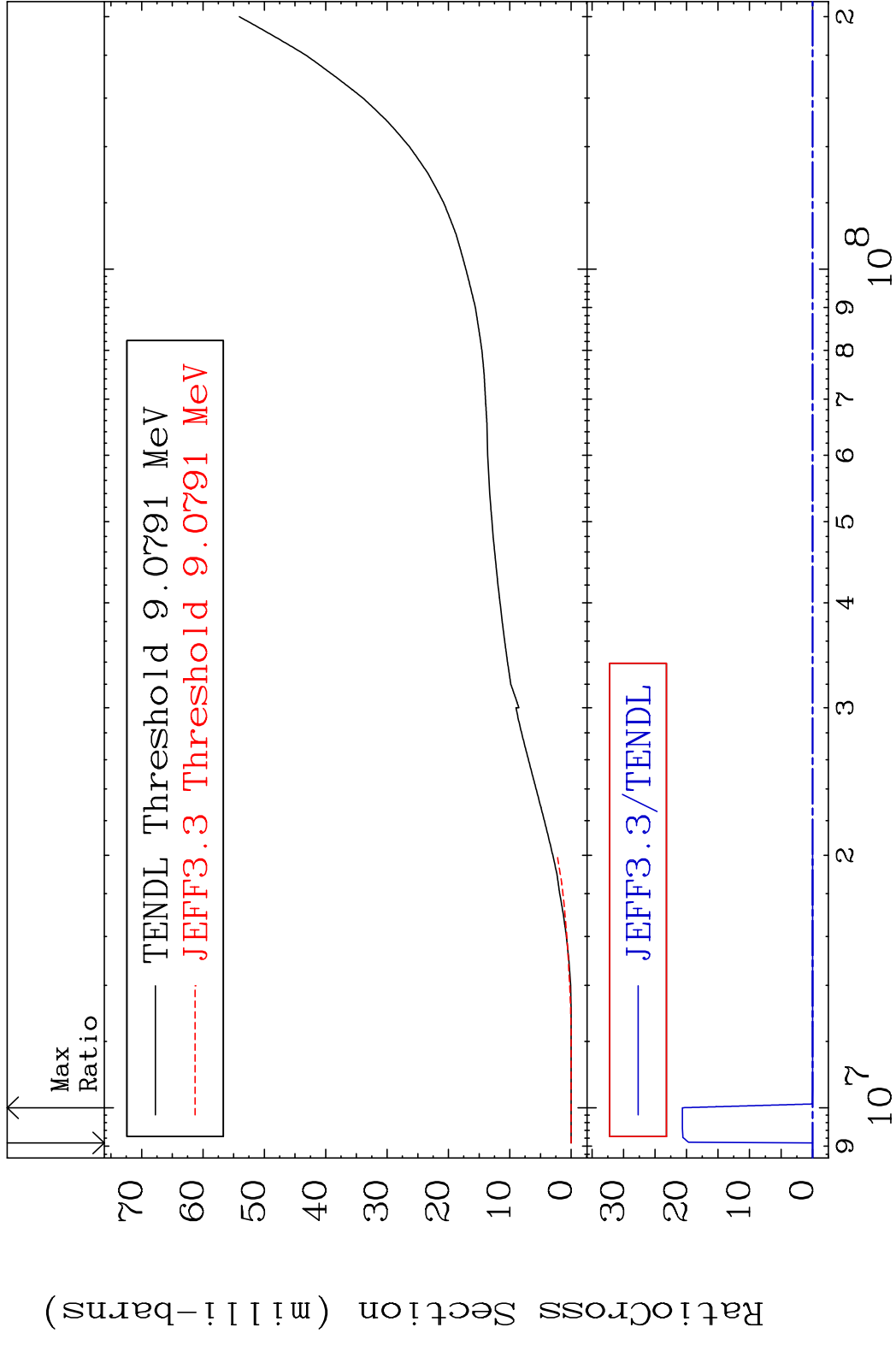
39 Incident Energy (eV) 27-Co-59



MAT 2725

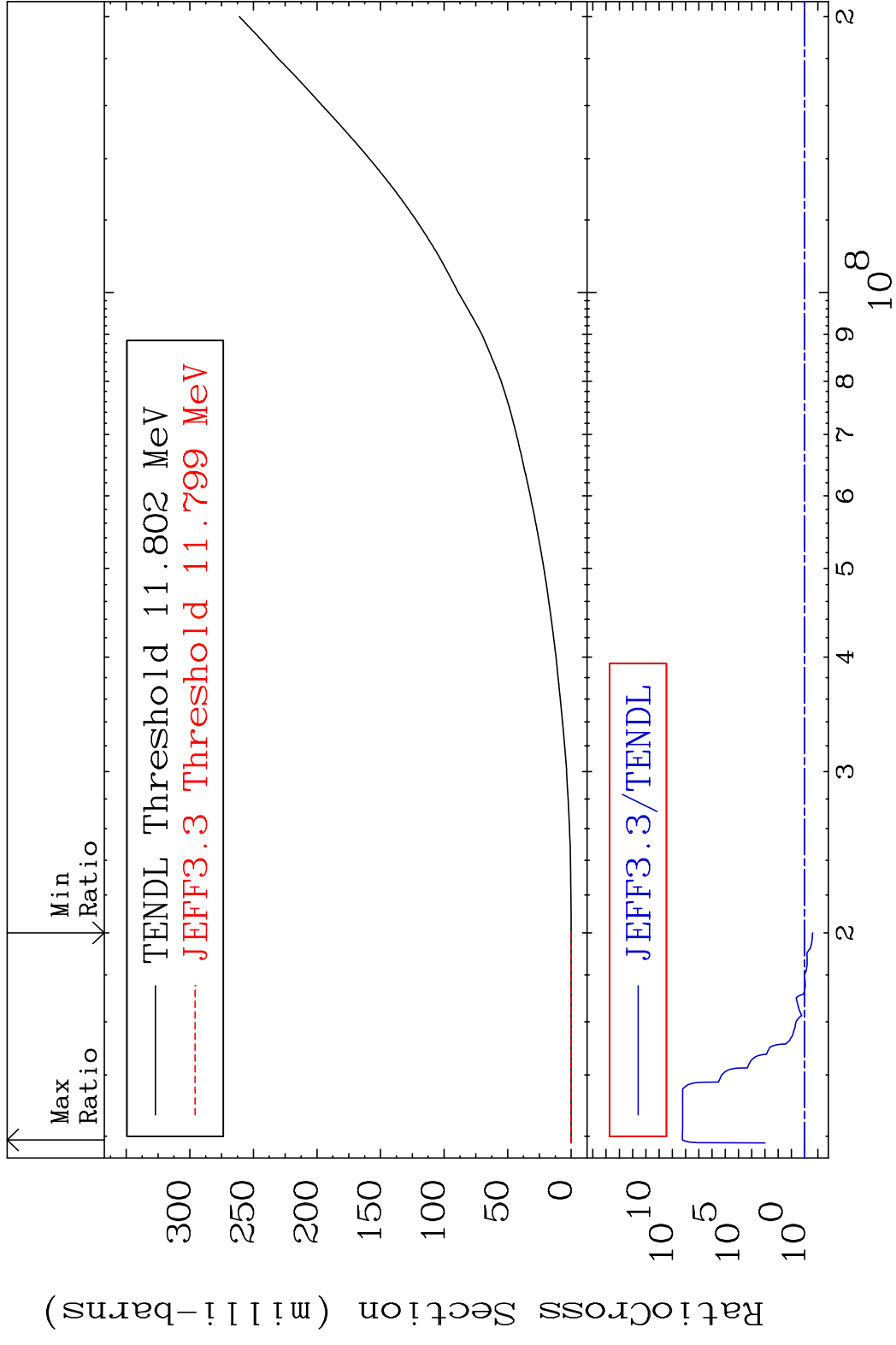
Tritium Production 27-Co-59

Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 27-Co-59

Cross Section -74.68 To 9999. %

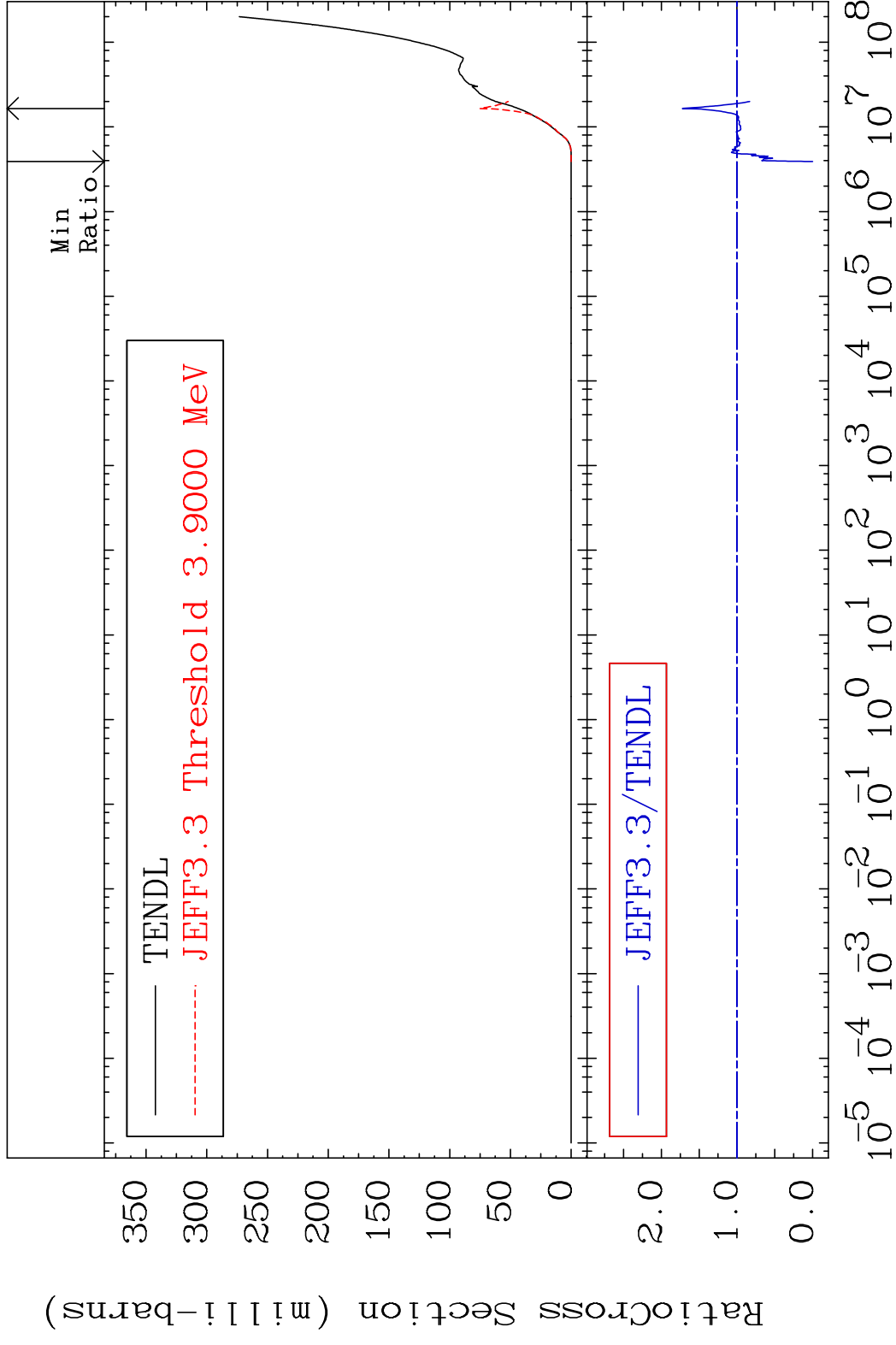


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 72.24 %

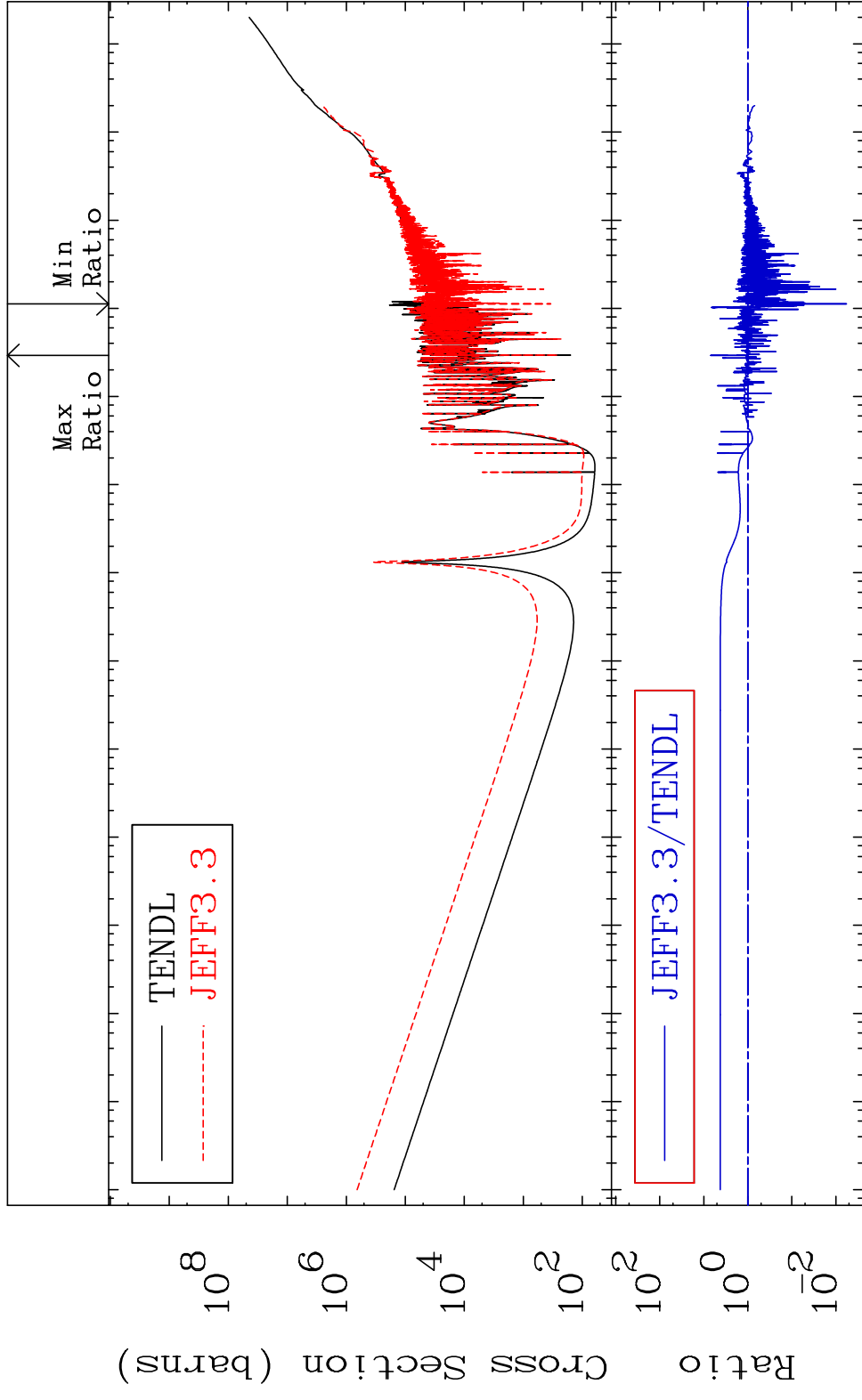


42

Incident Energy (eV)

27-Co-59

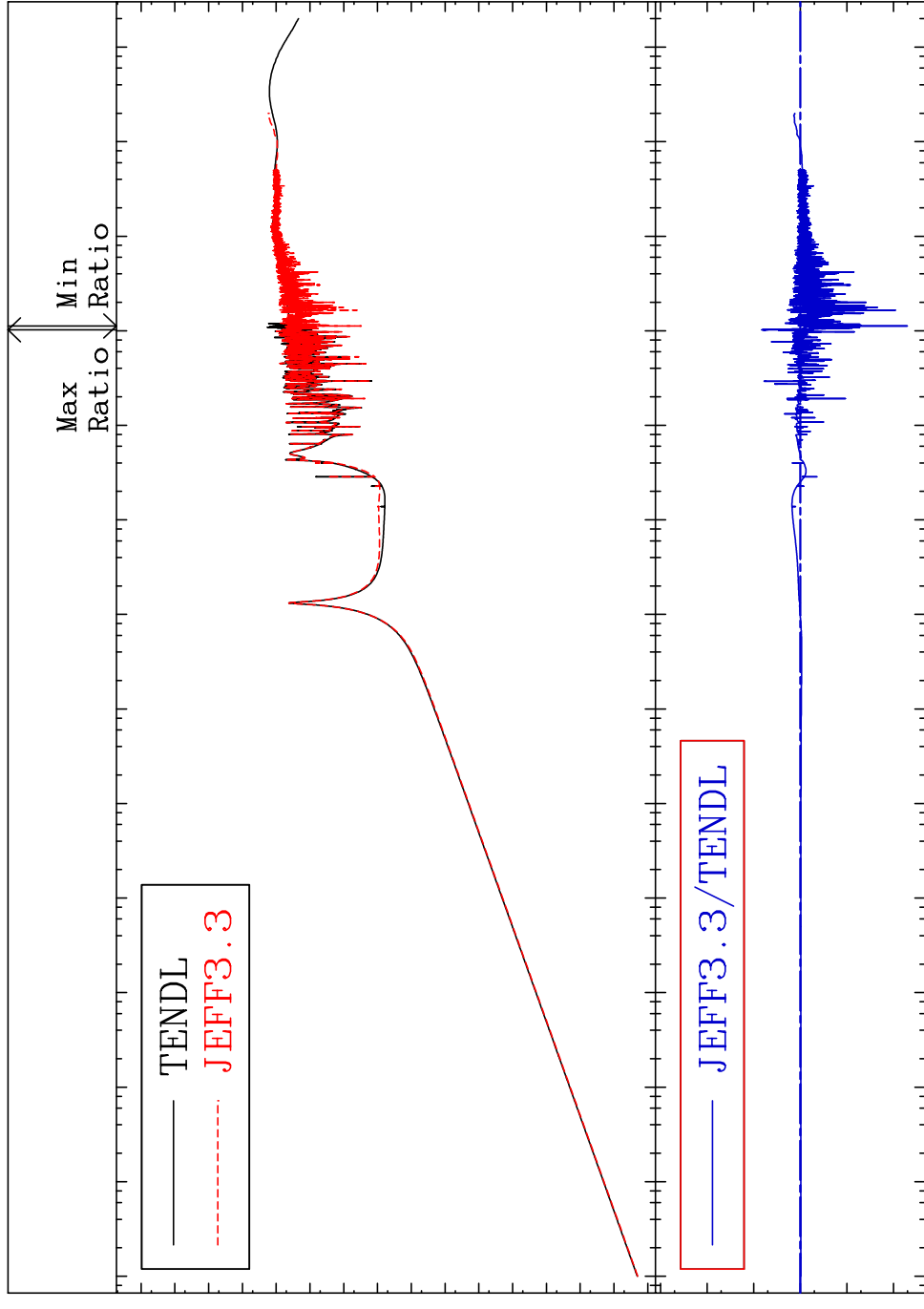
MAT 2725 Kerma total (eV-barns) 27-Co-59  
 Cross Section -99.42 To 594.8 %



MAT 2725

Kerma elastic  
Cross Section

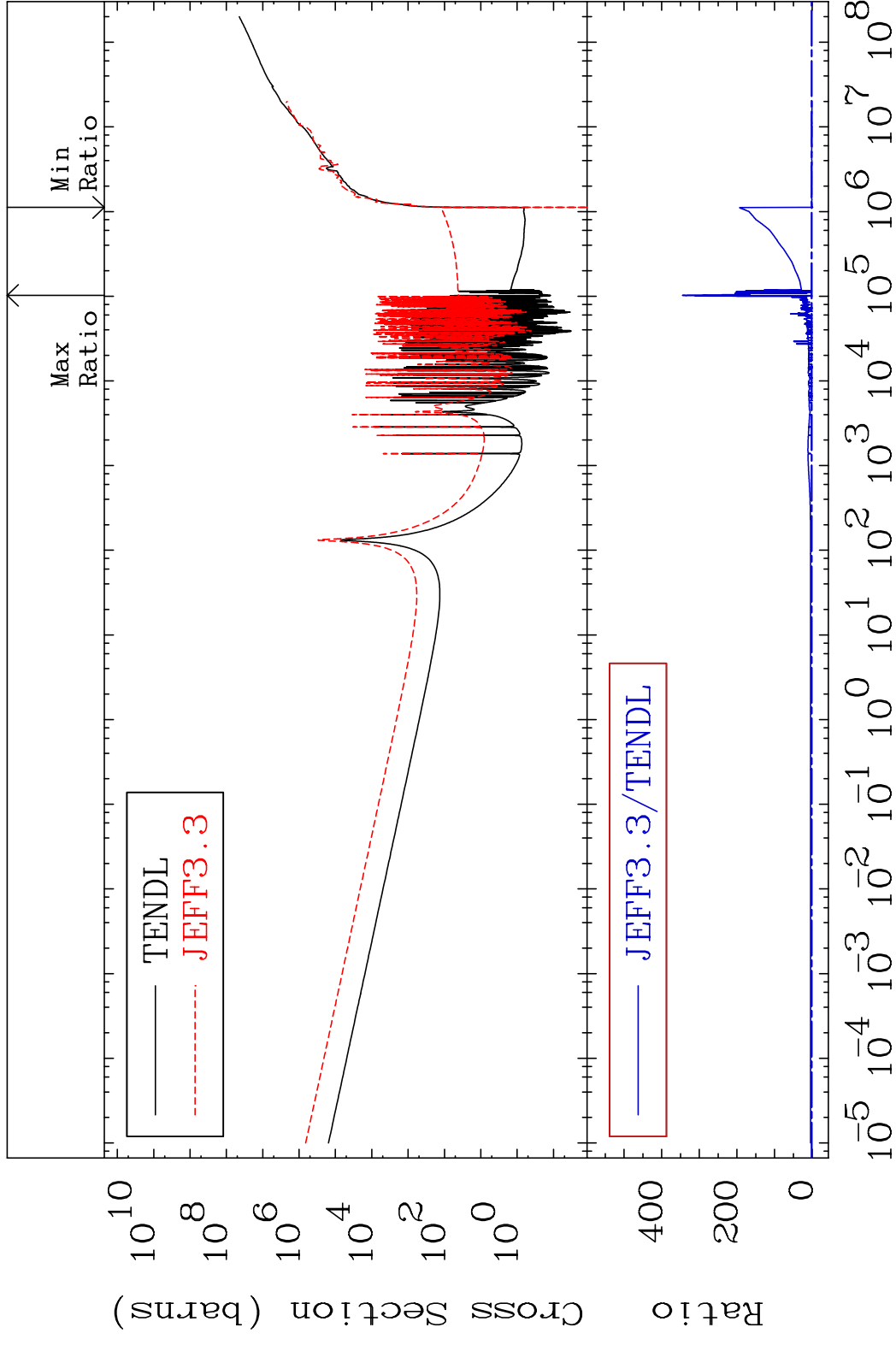
27-Co-59  
-99.49 To 568.7 %



Ratio  
Cross Section (barns)

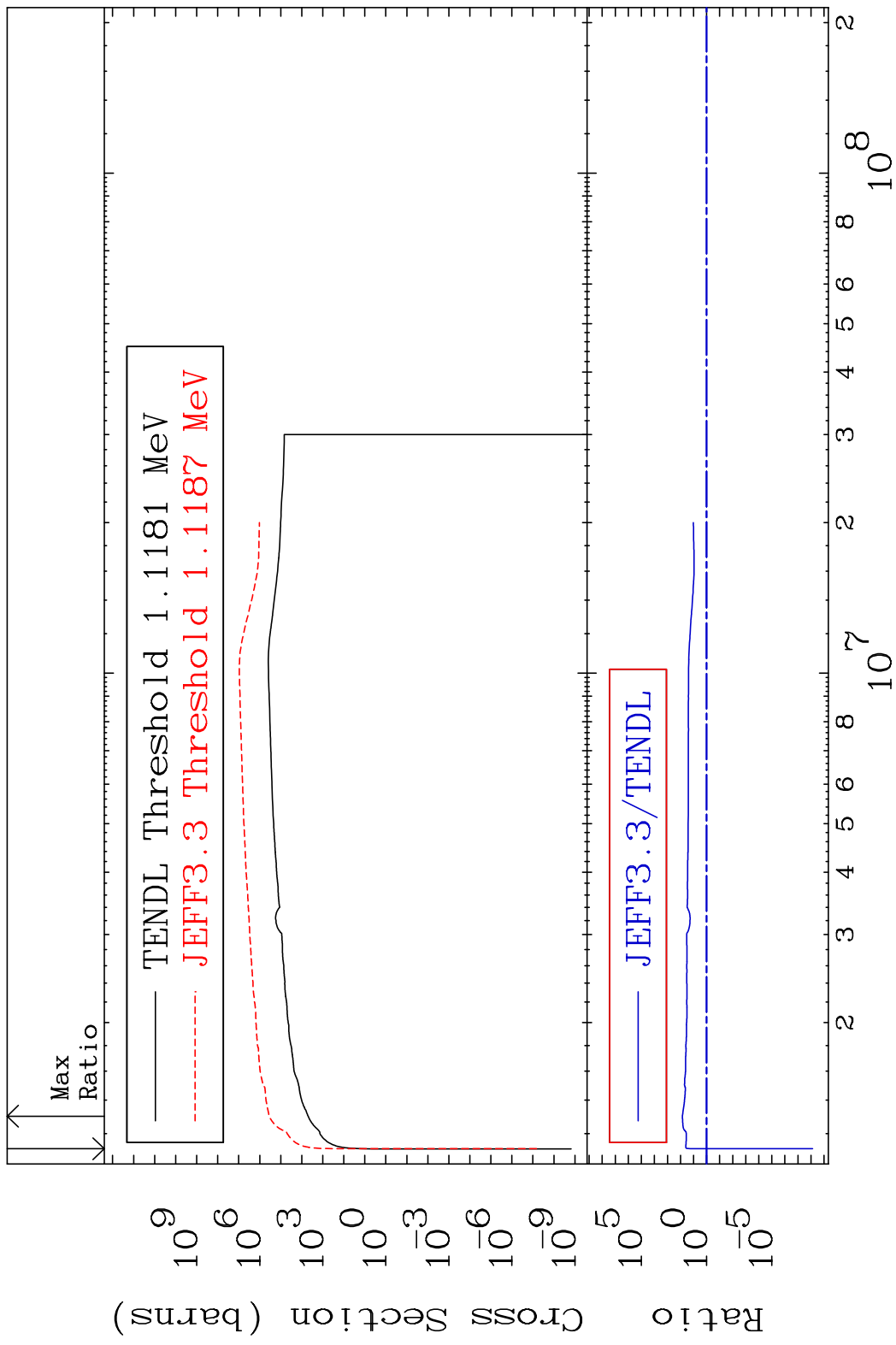
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59  
 Cross Section -209.2 To 9999. %

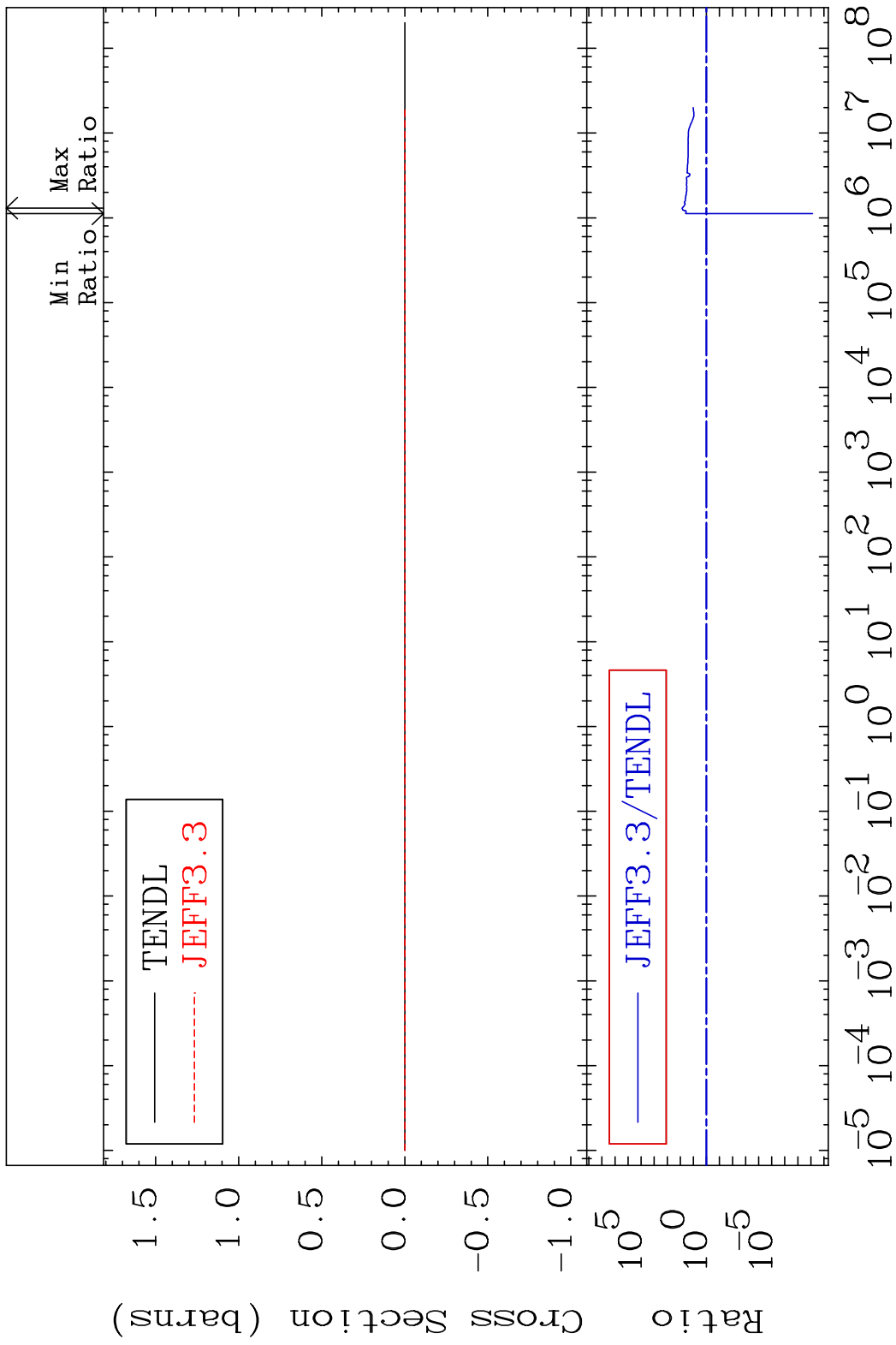


45 Incident Energy (eV) 27-Co-59

MAT 2725 Kerma inelastic (mt51-91) 27-Co-59  
 Cross Section -100.0 To 7121. %



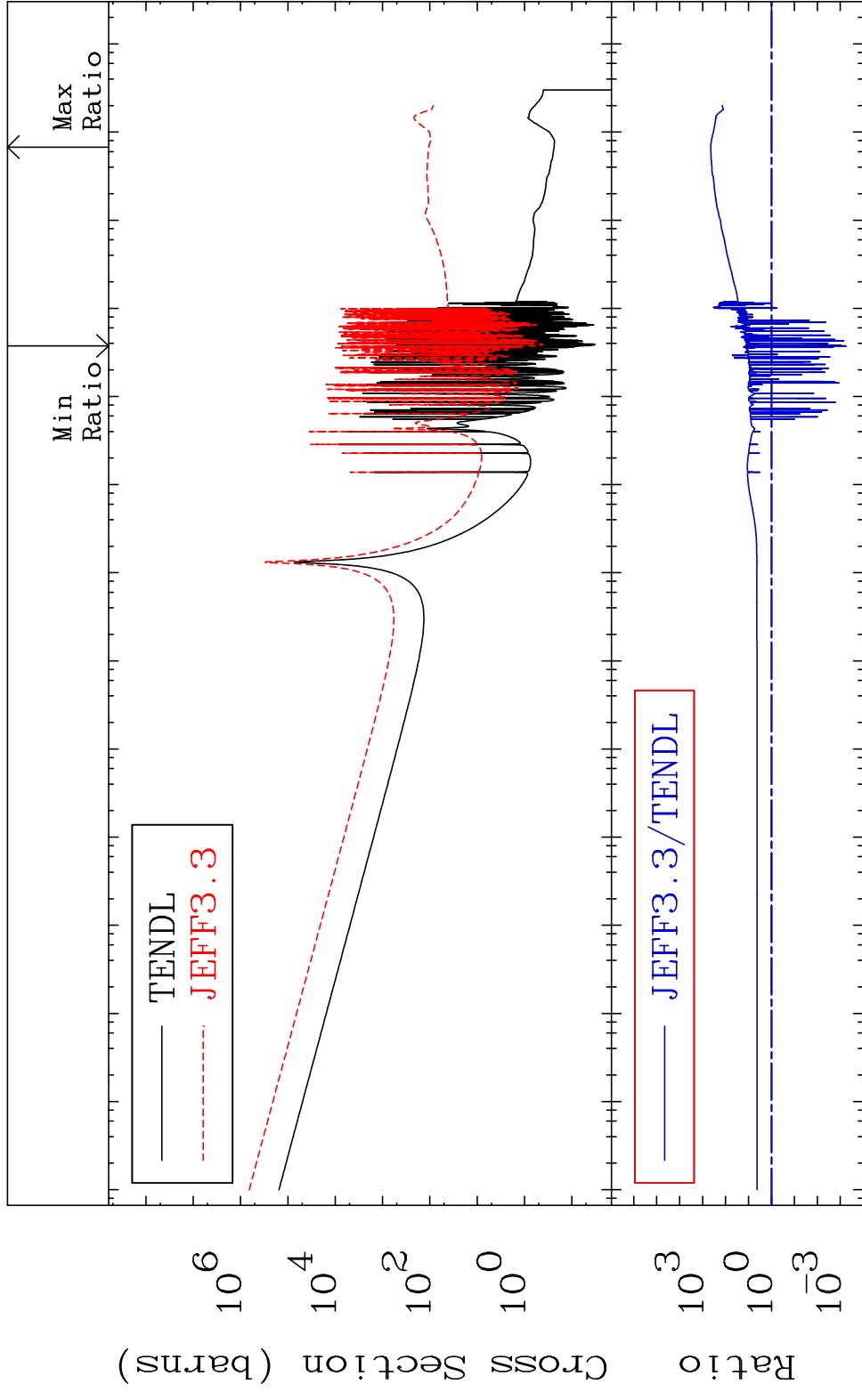
MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59  
 Cross Section -100.0 To 7121. %



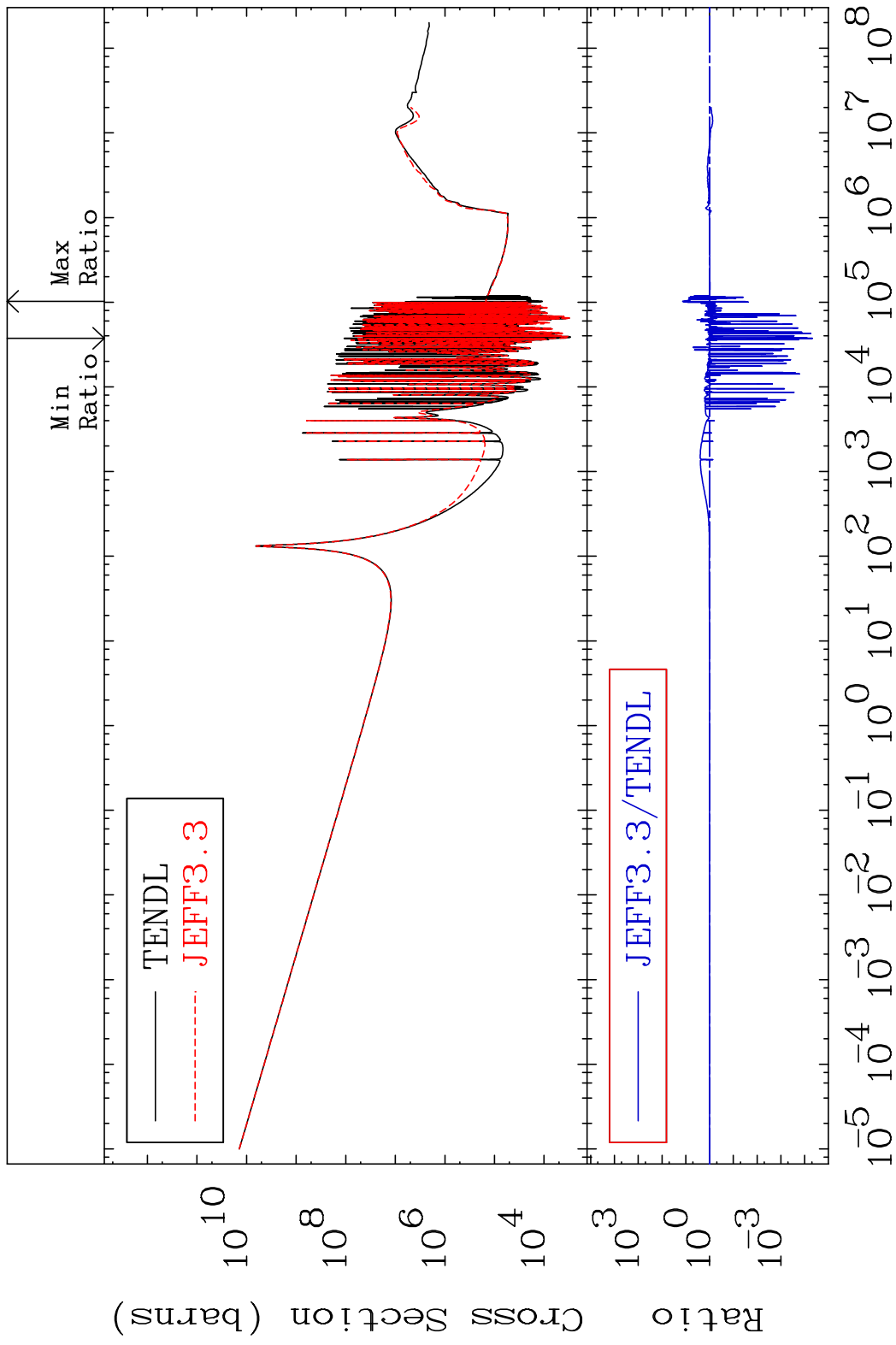


MAT 2725

Kerma capture (mt102) 27-Co-59  
Cross Section -99.95 To 9999. %

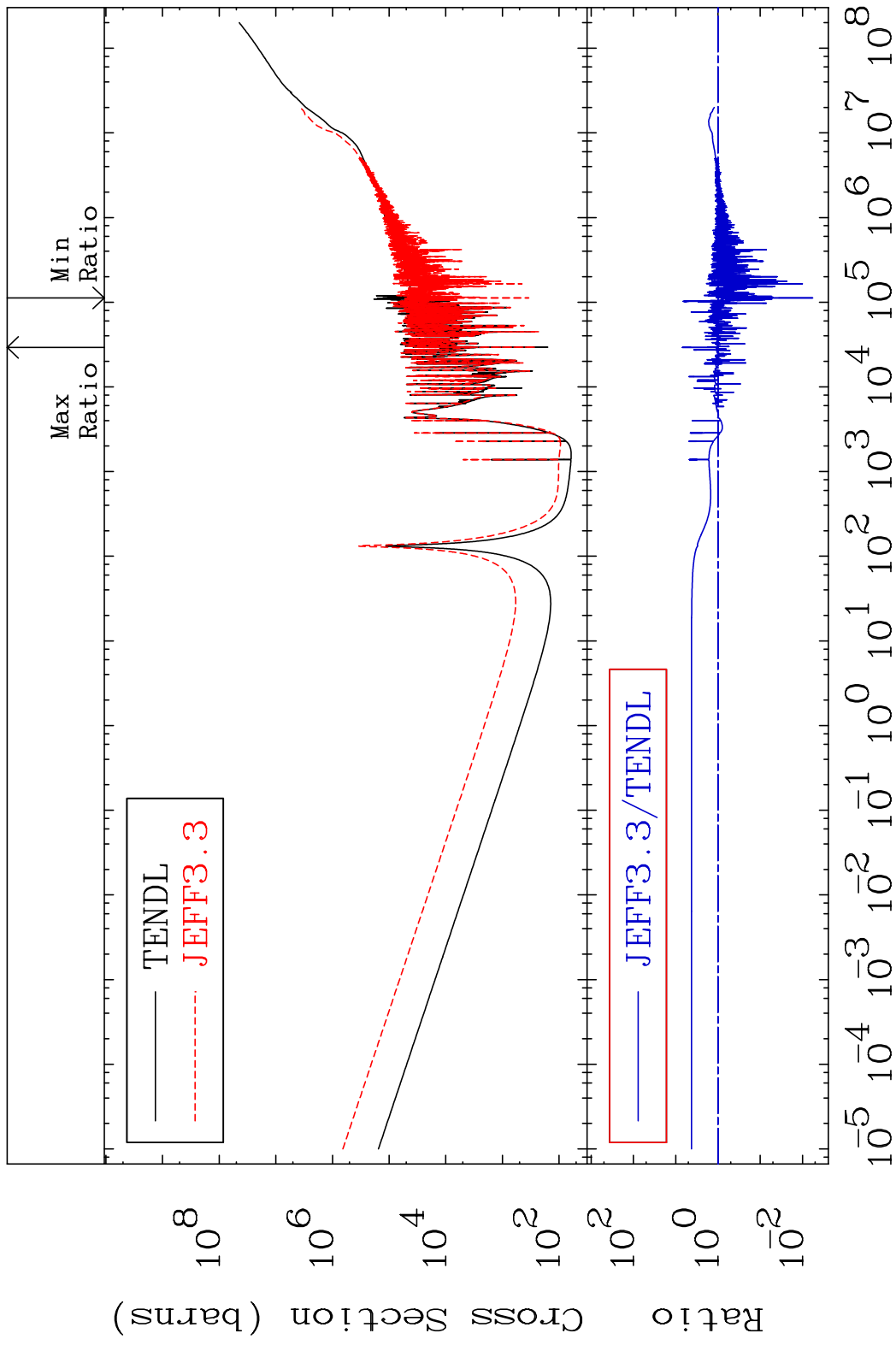


MAT 2725 Total photon (eV-barns) 27-Co-59  
 Cross Section -100.0 To 1291. %



49 Incident Energy (eV) 27-Co-59

MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
 Cross Section -99.42 To 594.8 %

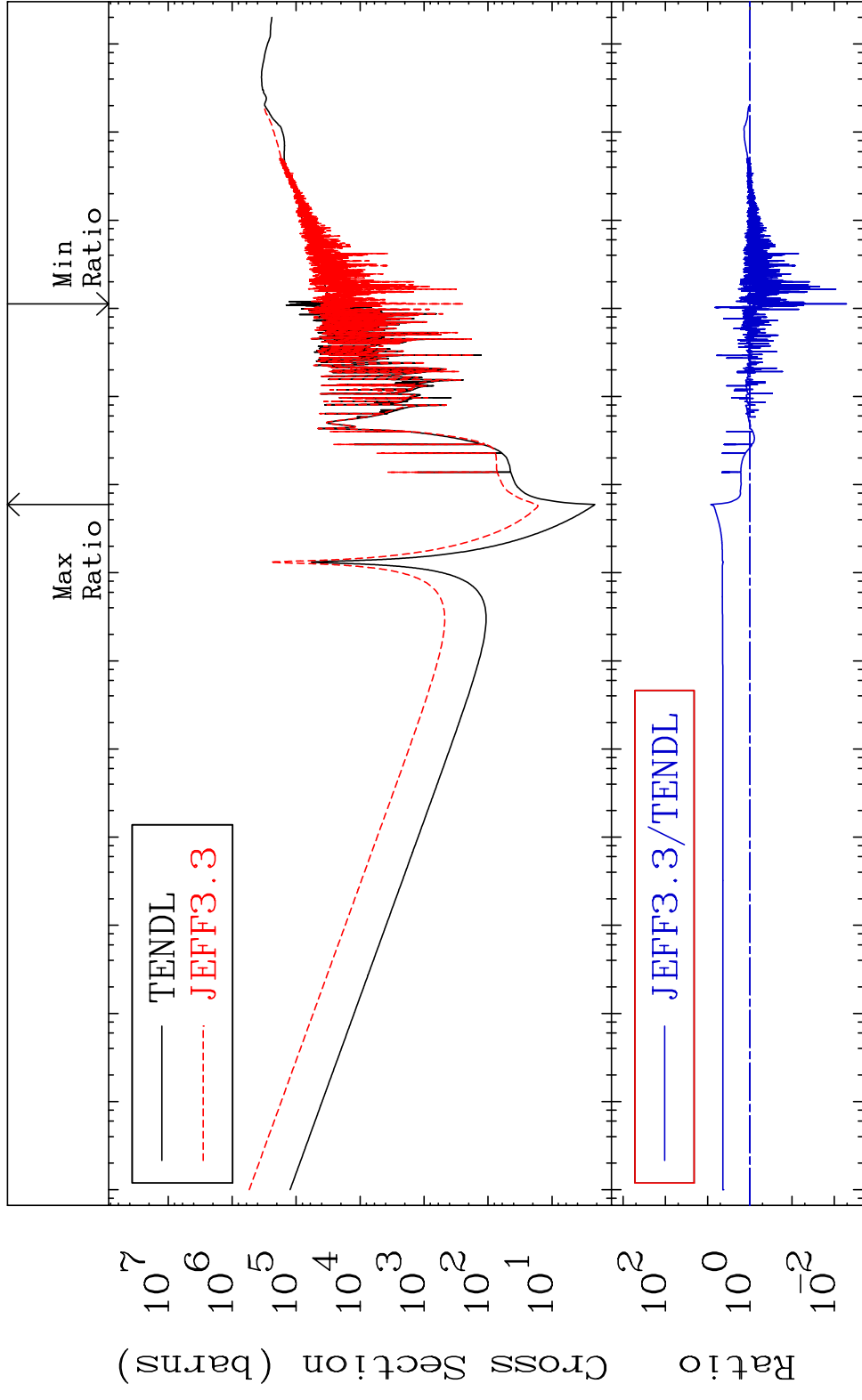


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -99.48 To 745.5 %

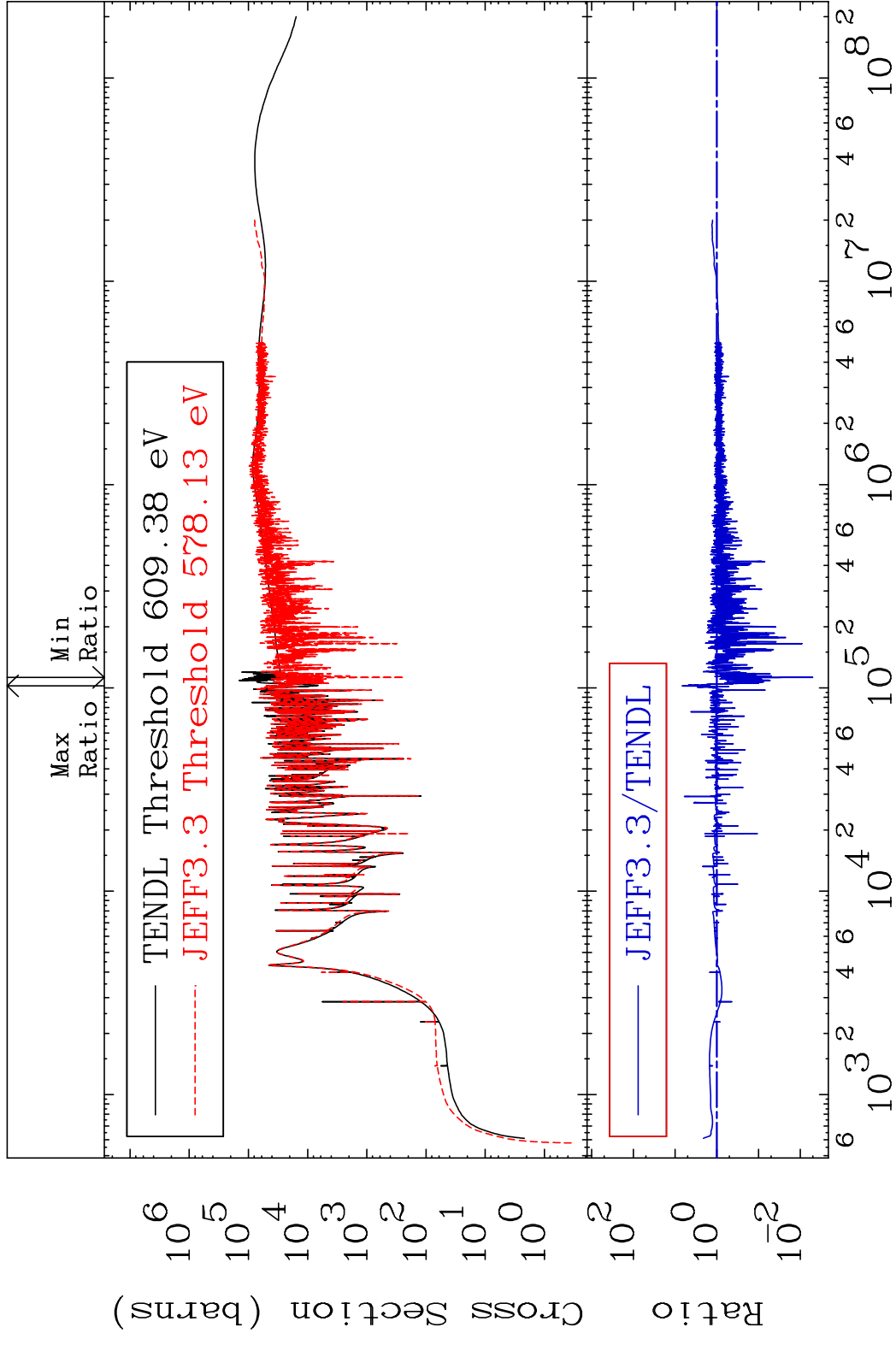


MAT 2725

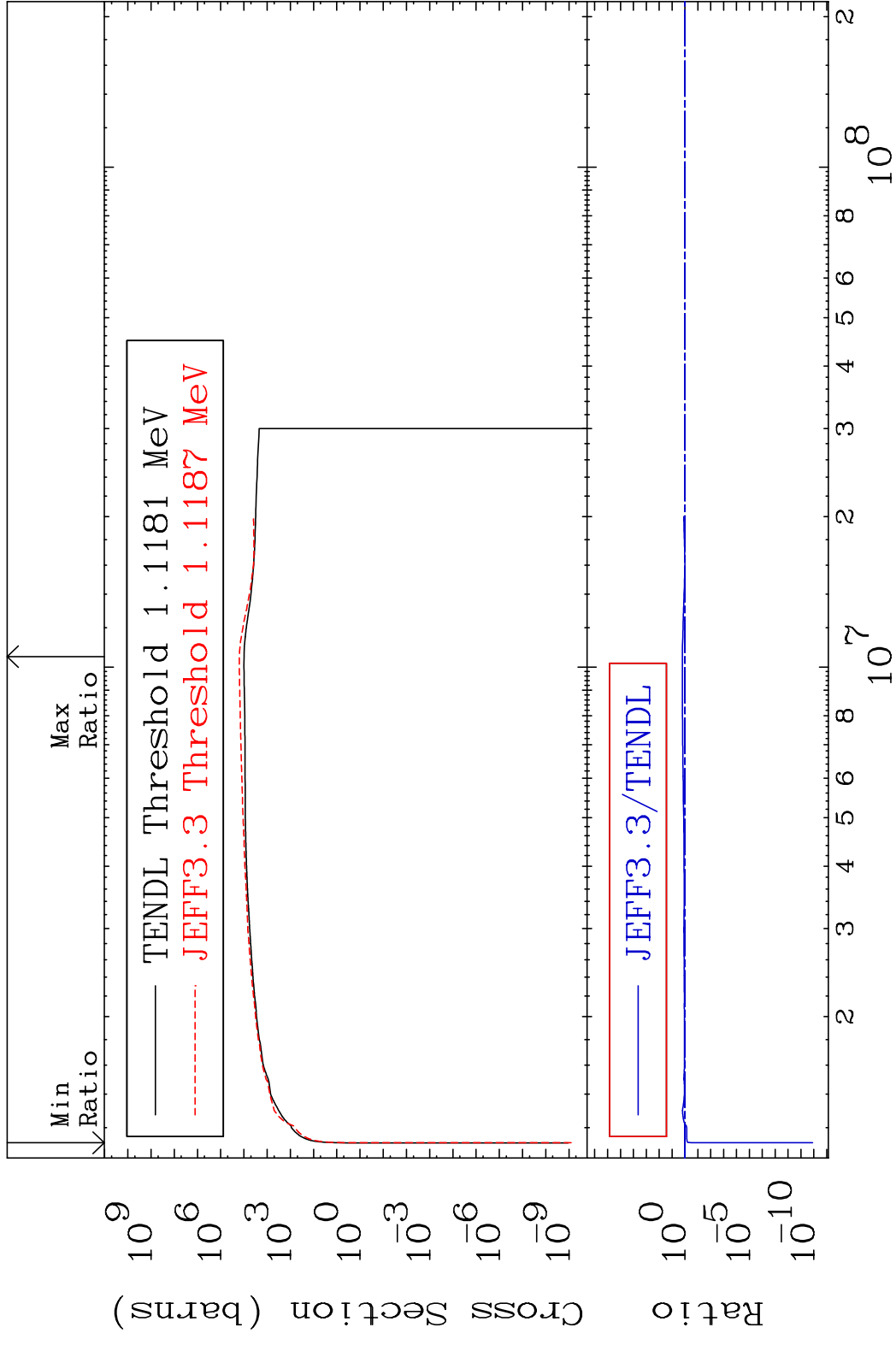
Dpa elastic (mt2)

27-Co-59

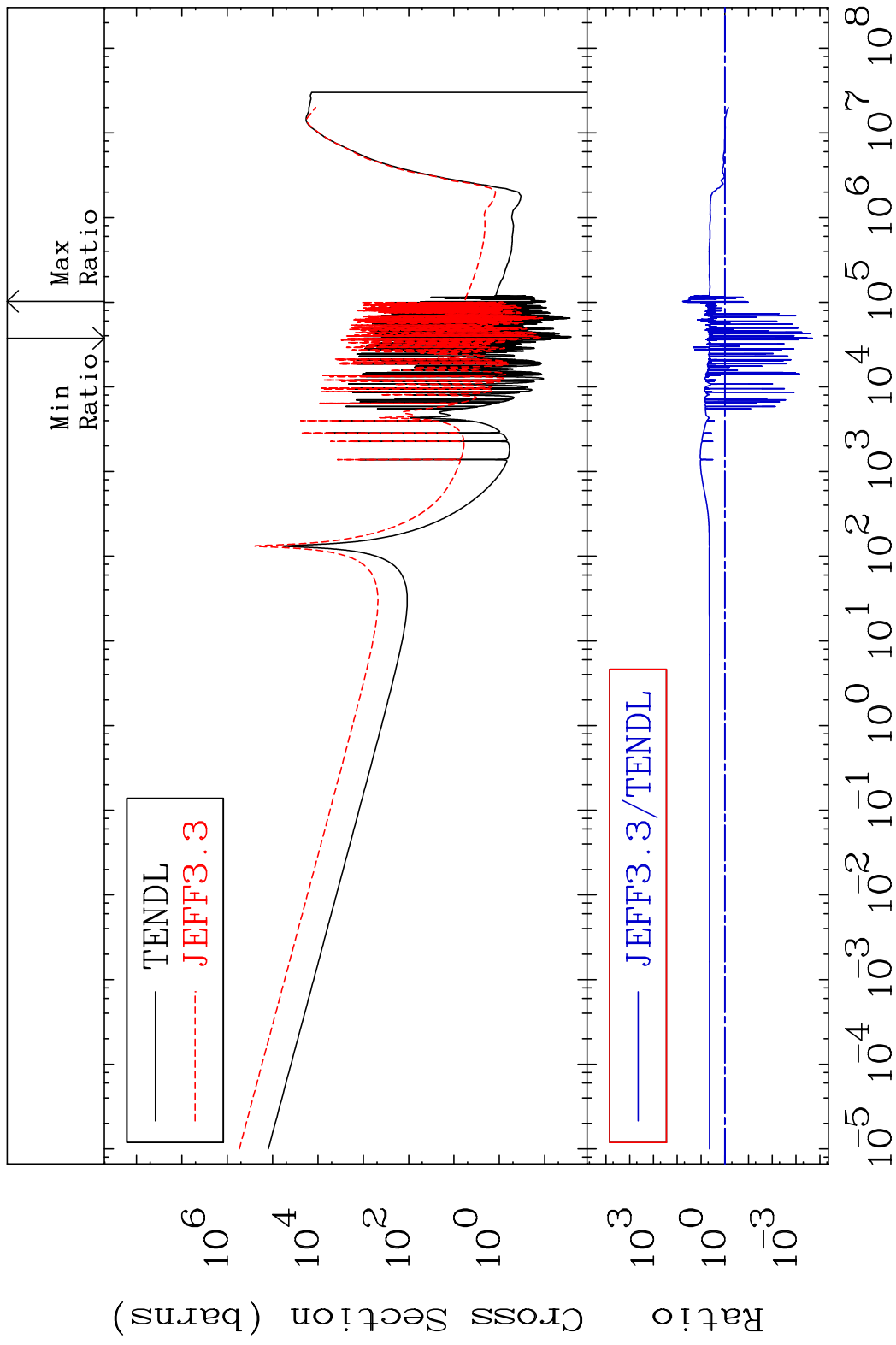
Cross Section -99.49 To 568.7 %



MAT 2725      Dpa inelastic (mt51-91)      27-Co-59  
 Cross Section      -100.0 To 58.59 %



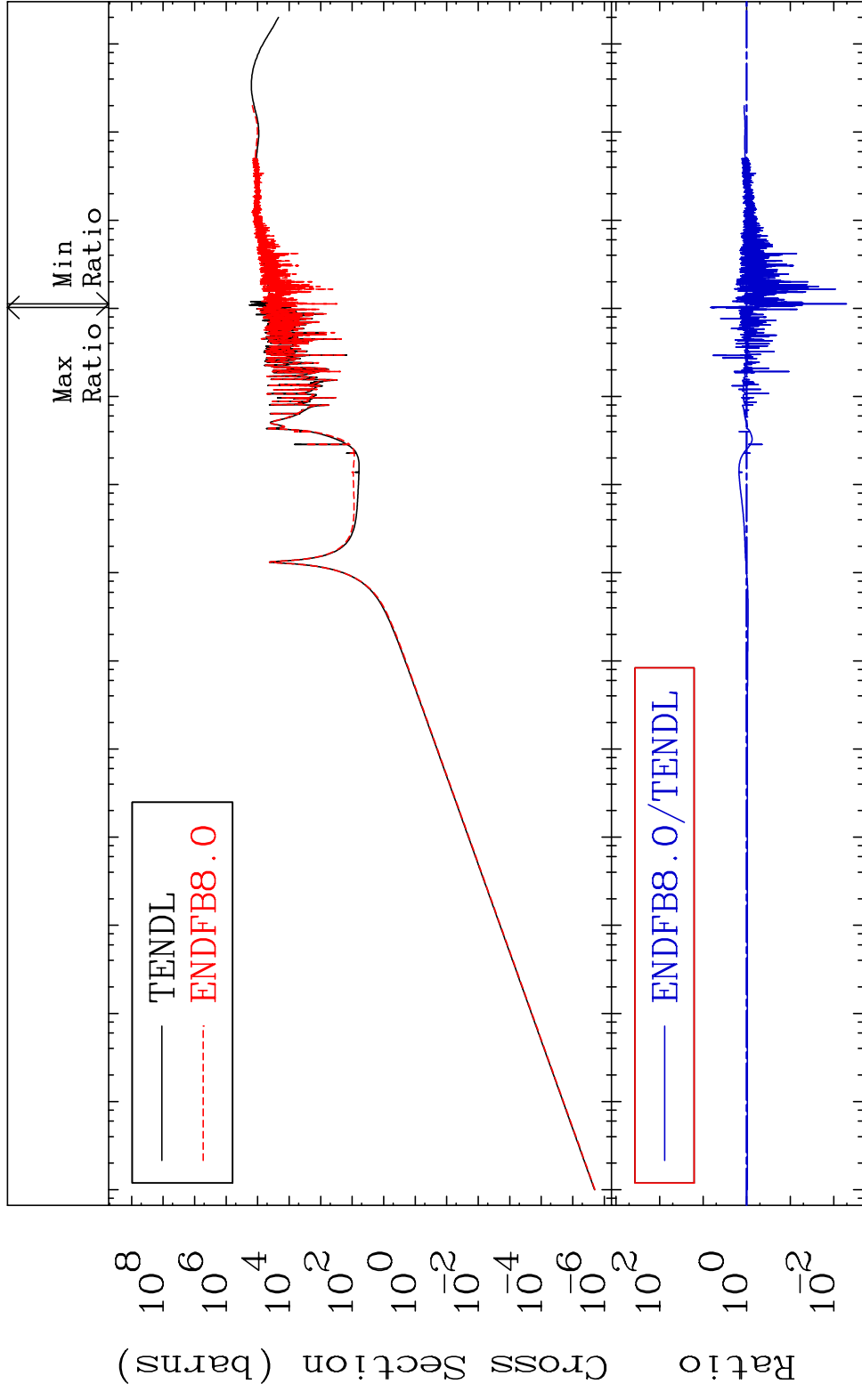
MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59  
 Cross Section -99.98 To 5980. %



MAT 2725

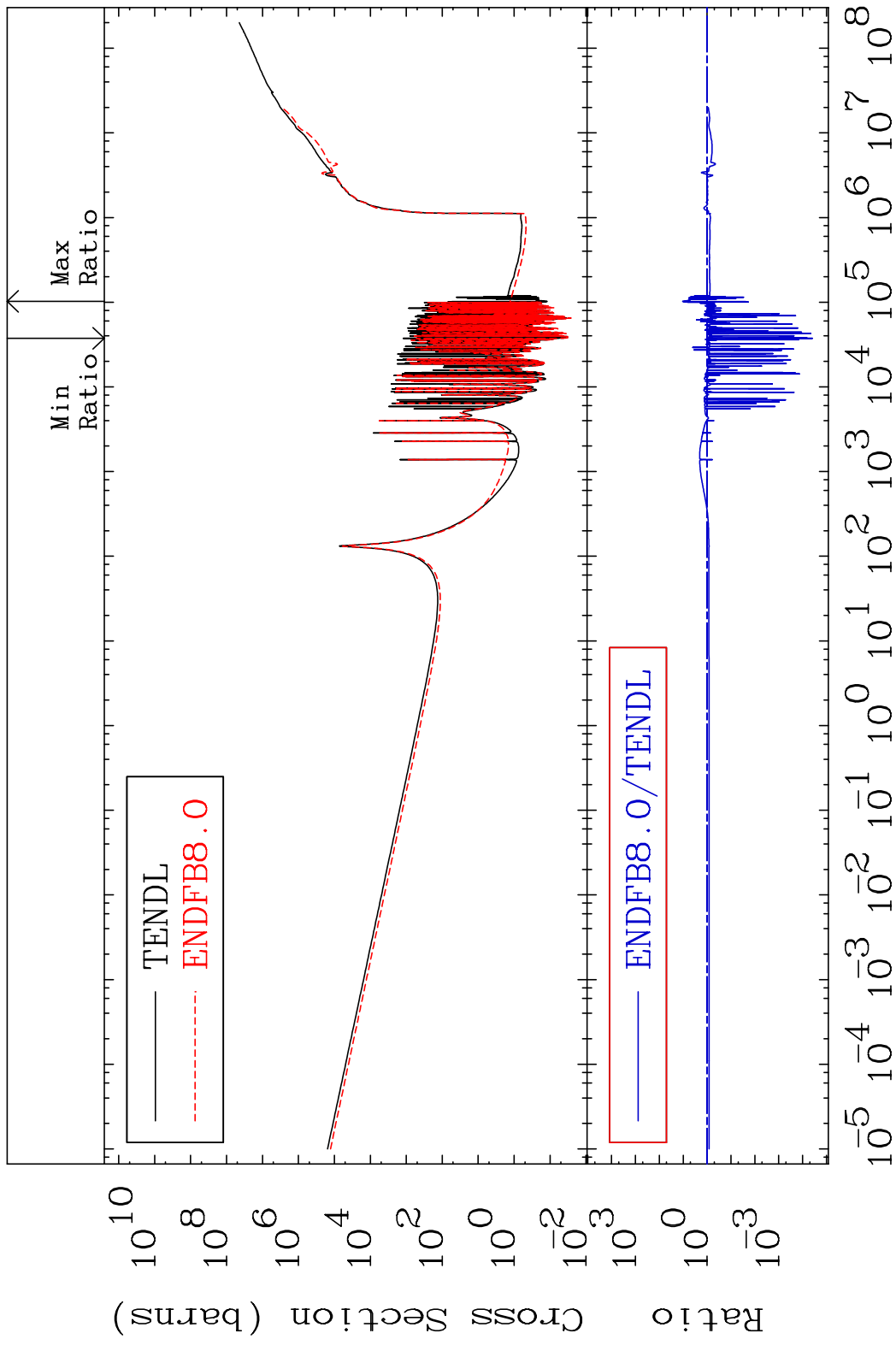
Kerma elastic  
Cross Section

27-Co-59  
-99.48 To 570.1 %

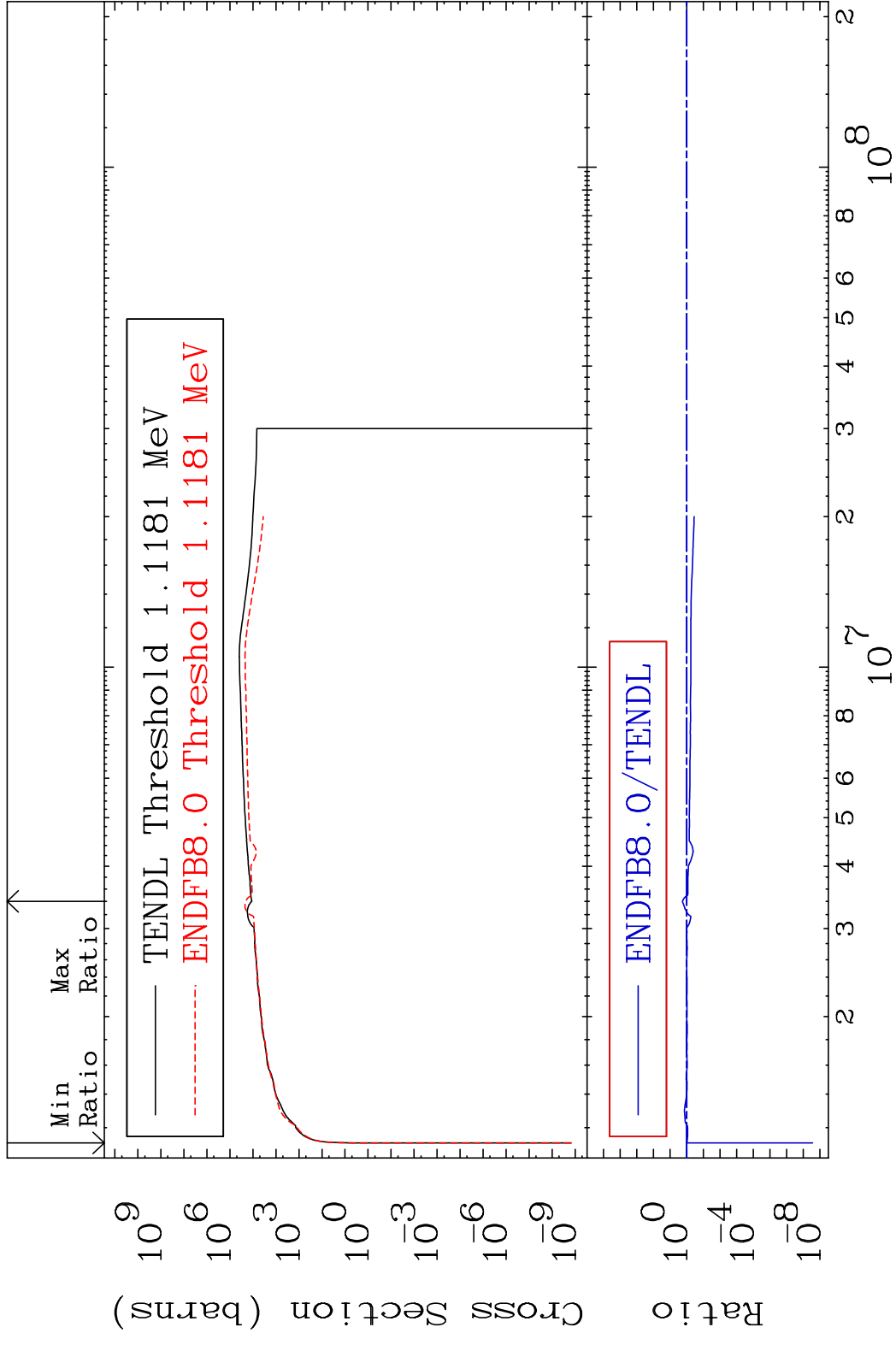




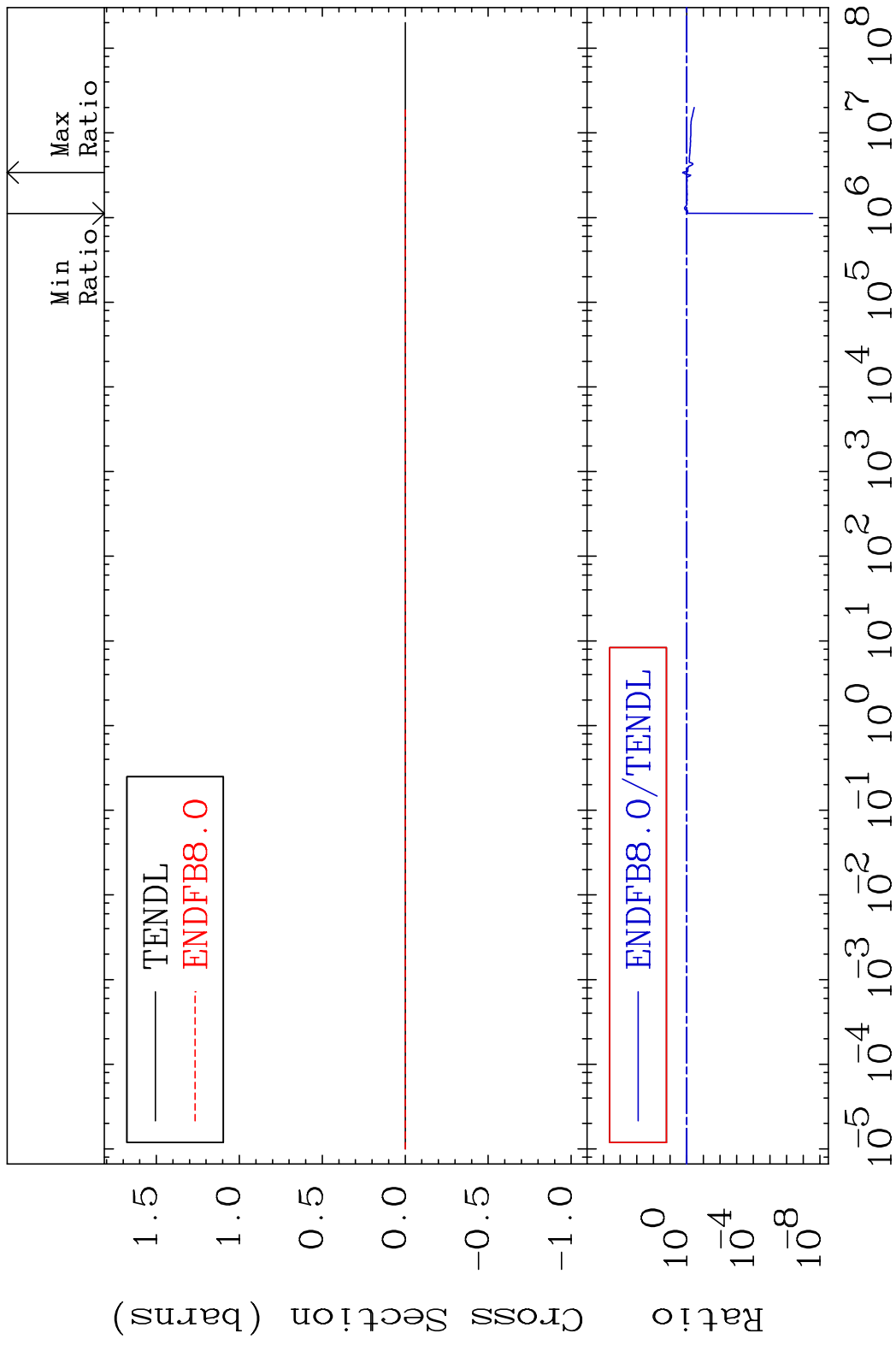
MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59  
 Cross Section -100.0 To 986.2 %



MAT 2725 Kerma inelastic (mt51-91) 27-Co-59  
 Cross Section -100.0 To 81.87 %

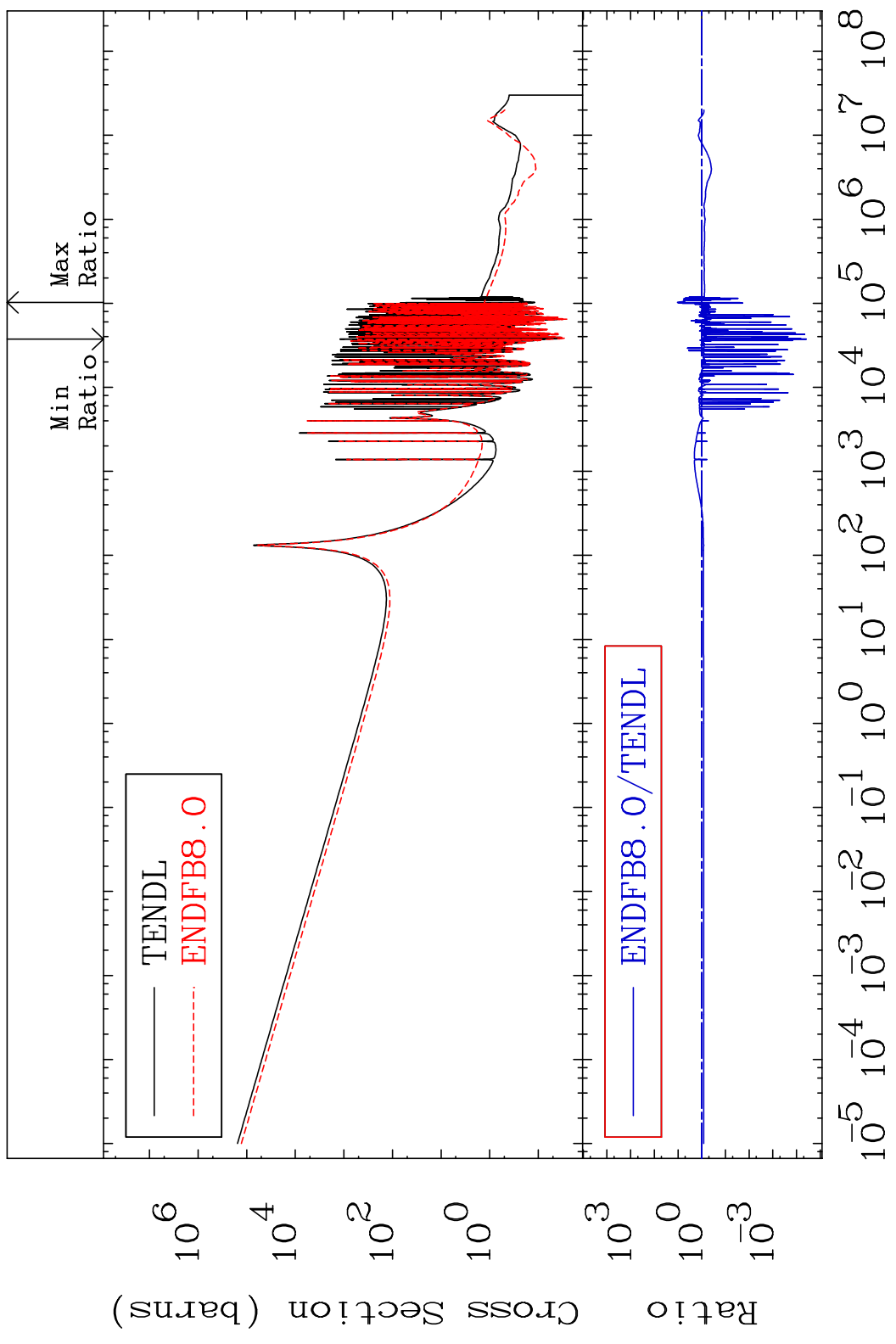


MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59  
 Cross Section -100.0 To 81.87 %



MAT 2725

Kerma capture (mt102) 27-Co-59  
Cross Section -100.0 To 986.2 %



59

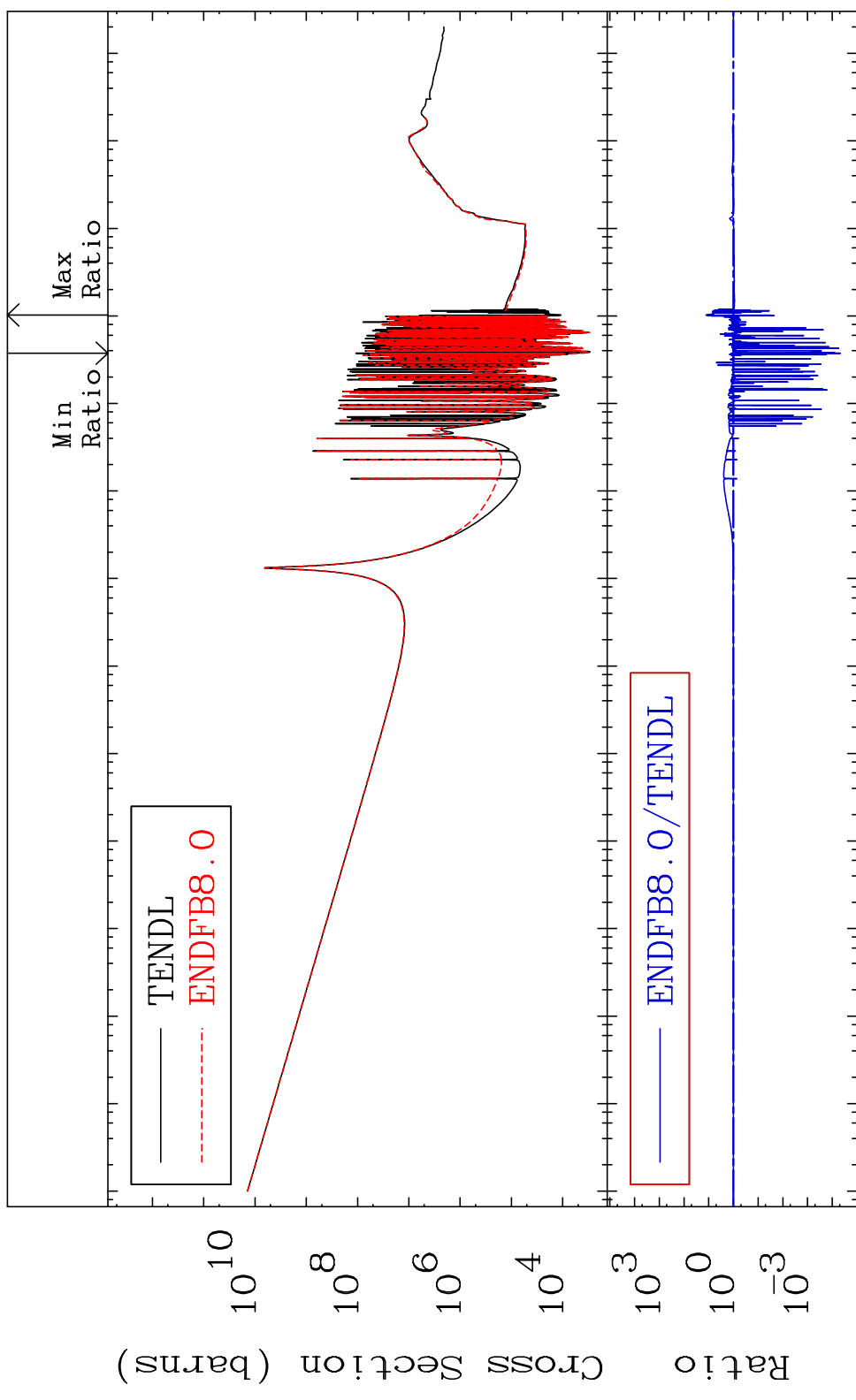
Incident Energy (eV) 27-Co-59

MAT 2725

Total photon (eV-barns)

27-Co-59

Cross Section -100.0 To 1217. %

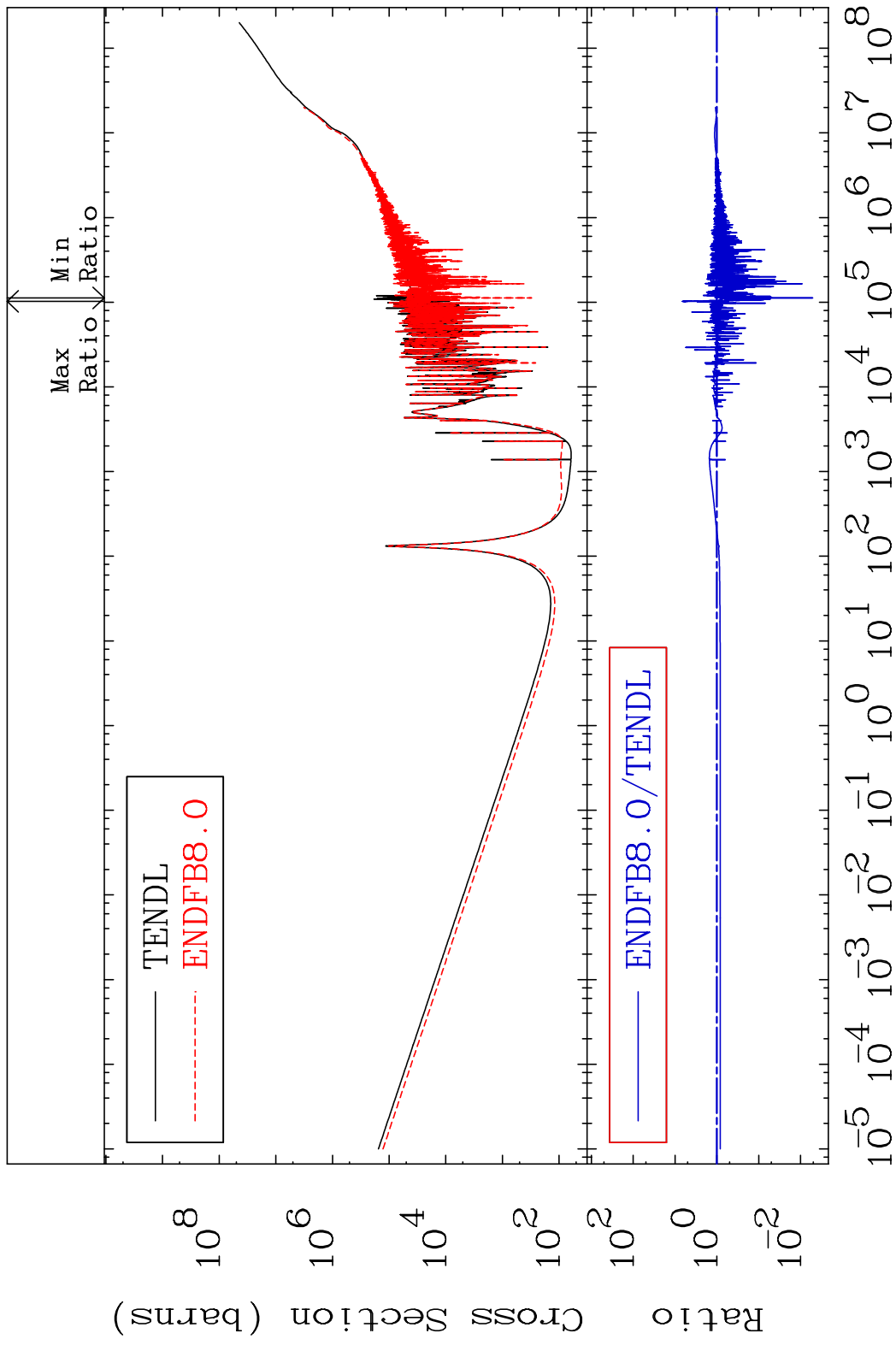


60

Incident Energy (eV)

27-Co-59

MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
 Cross Section -99.48 To 570.1 %

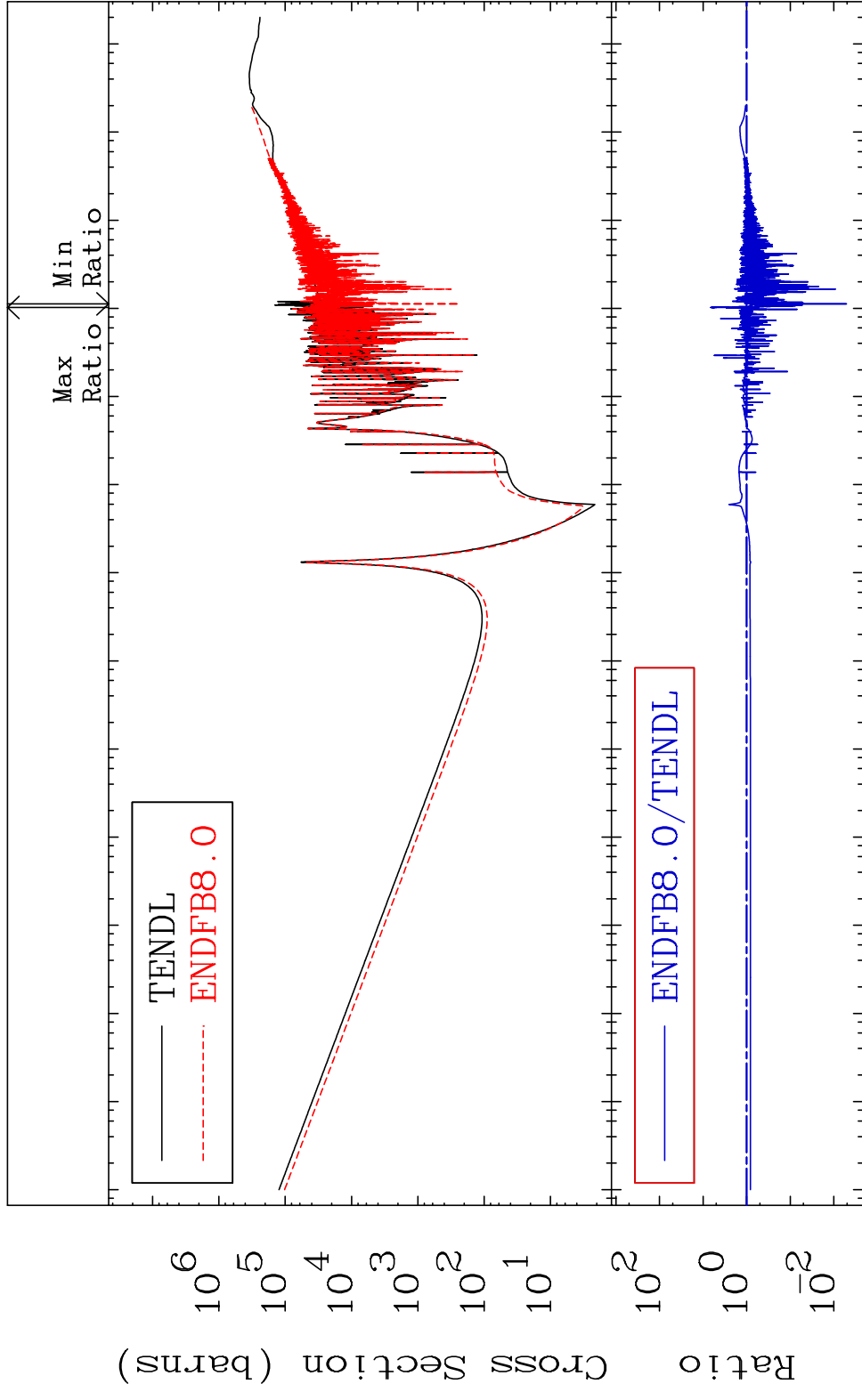


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -99.48 To 570.1 %



62

Incident Energy (eV)

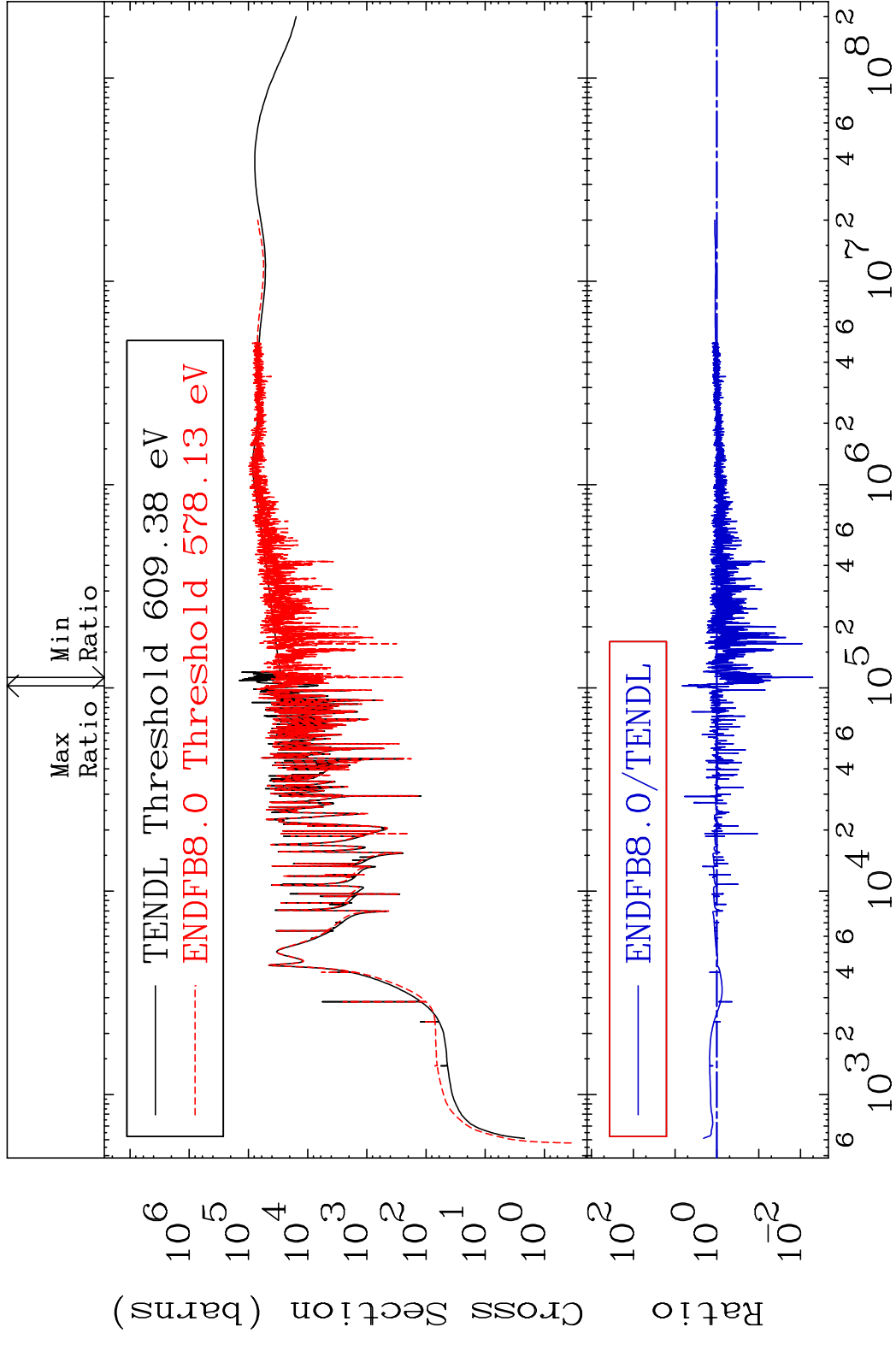
27-Co-59

MAT 2725

Dpa elastic (mt2)

27-Co-59

Cross Section -99.48 To 570.1 %



63

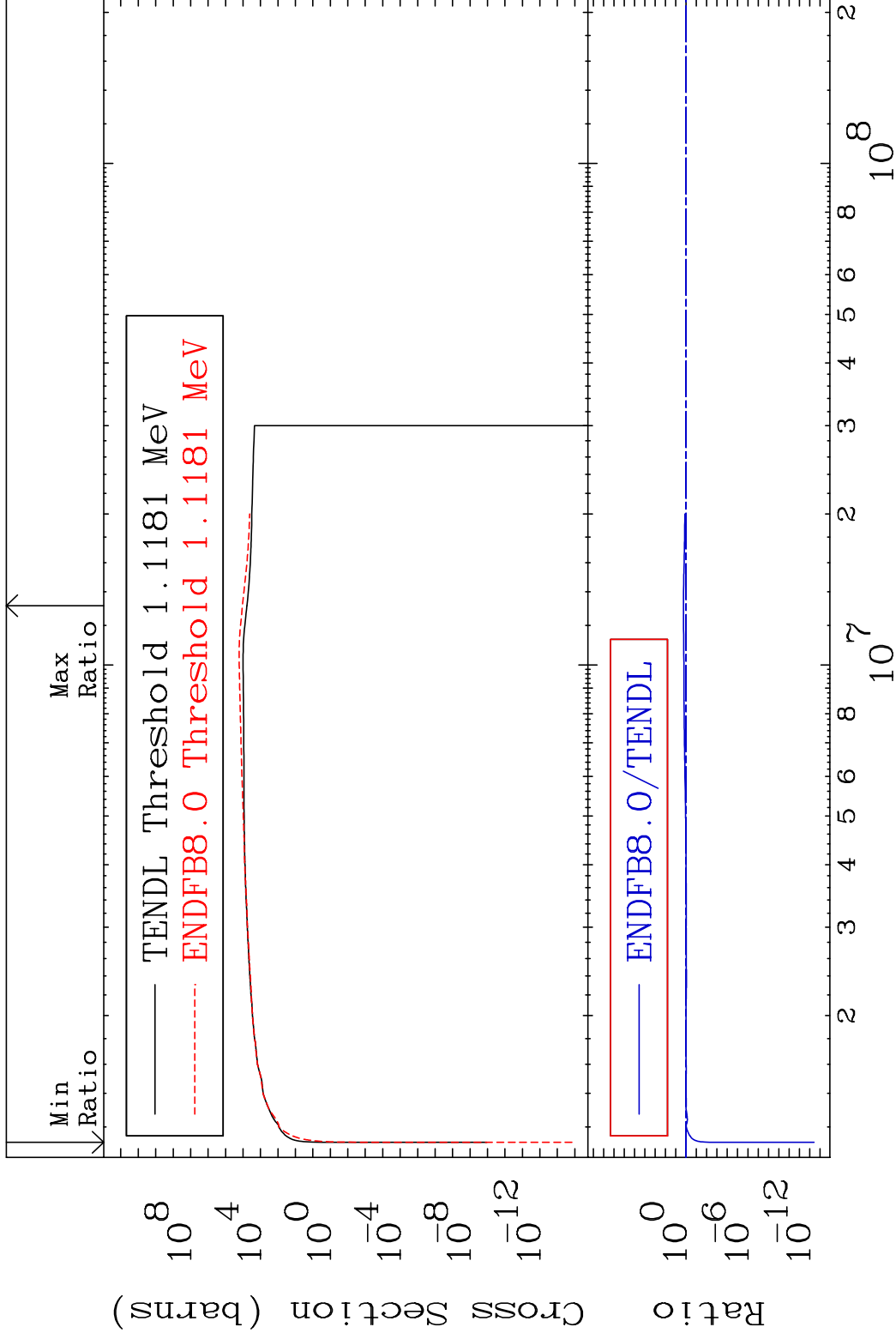
Incident Energy (eV)

27-Co-59



MAT 2725

Dpa inelastic (mt51-91) 27-Co-59  
Cross Section -100.0 To 80.56 %



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59  
 Cross Section -100.0 To 980.1 %

