

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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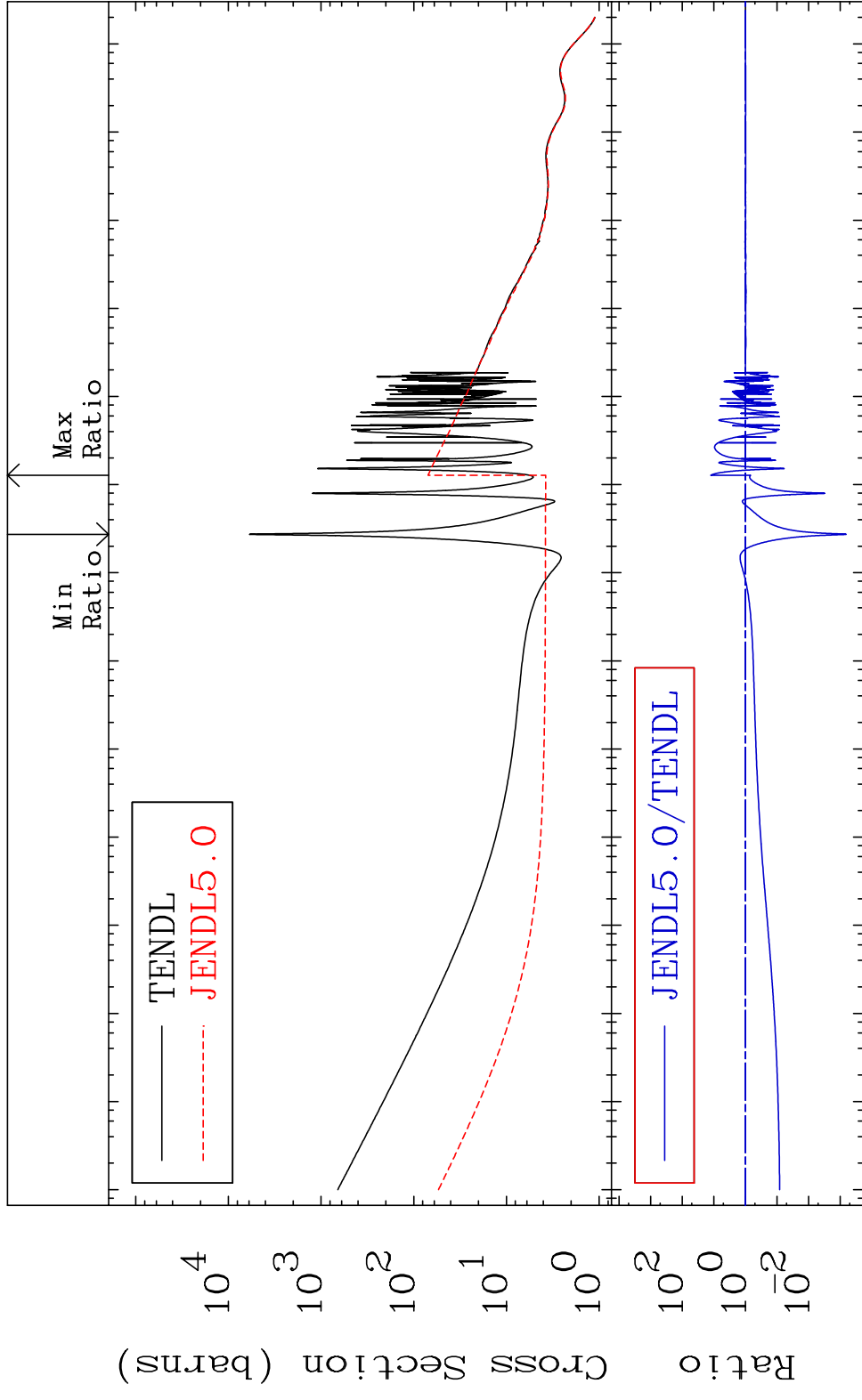
U.S.A.

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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2640                      Total                      26-Fe-59  
 Cross Section                      -99.94 To 1157. %



Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

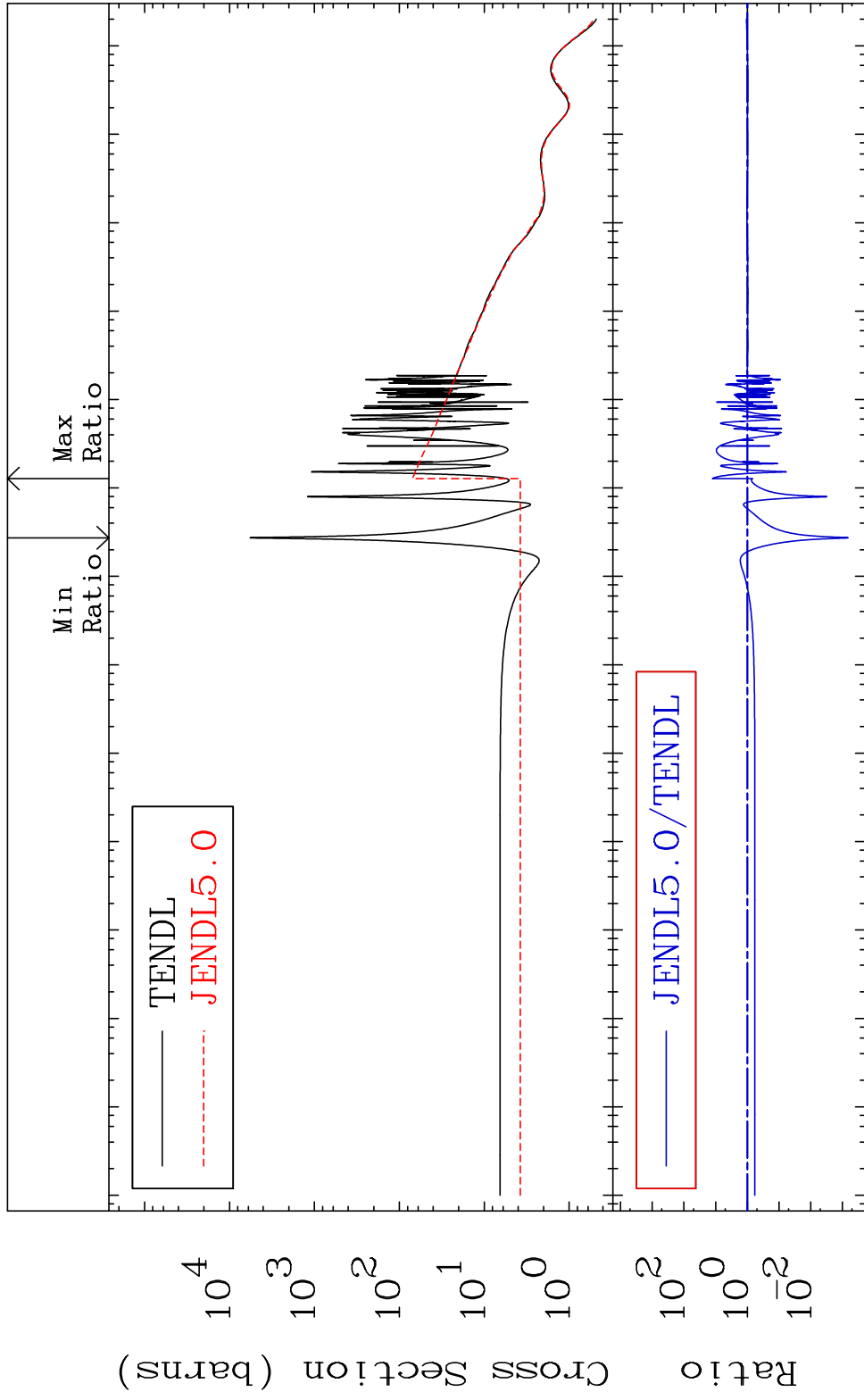
1                      26-Fe-59

MAT 2640

Elastic

26-Fe-59

Cross Section -99.93 To 1169. %



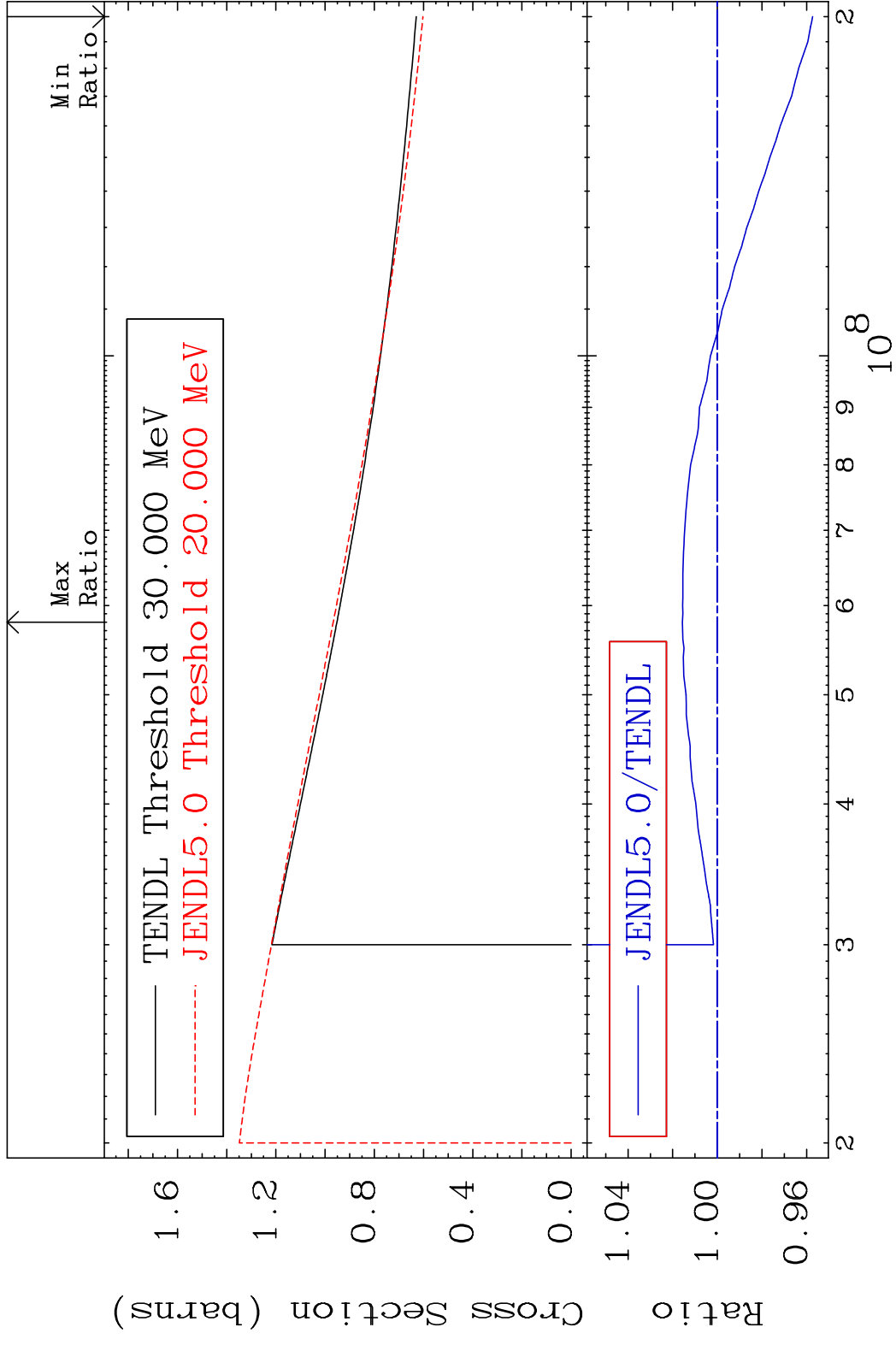
2

Incident Energy (eV)

26-Fe-59

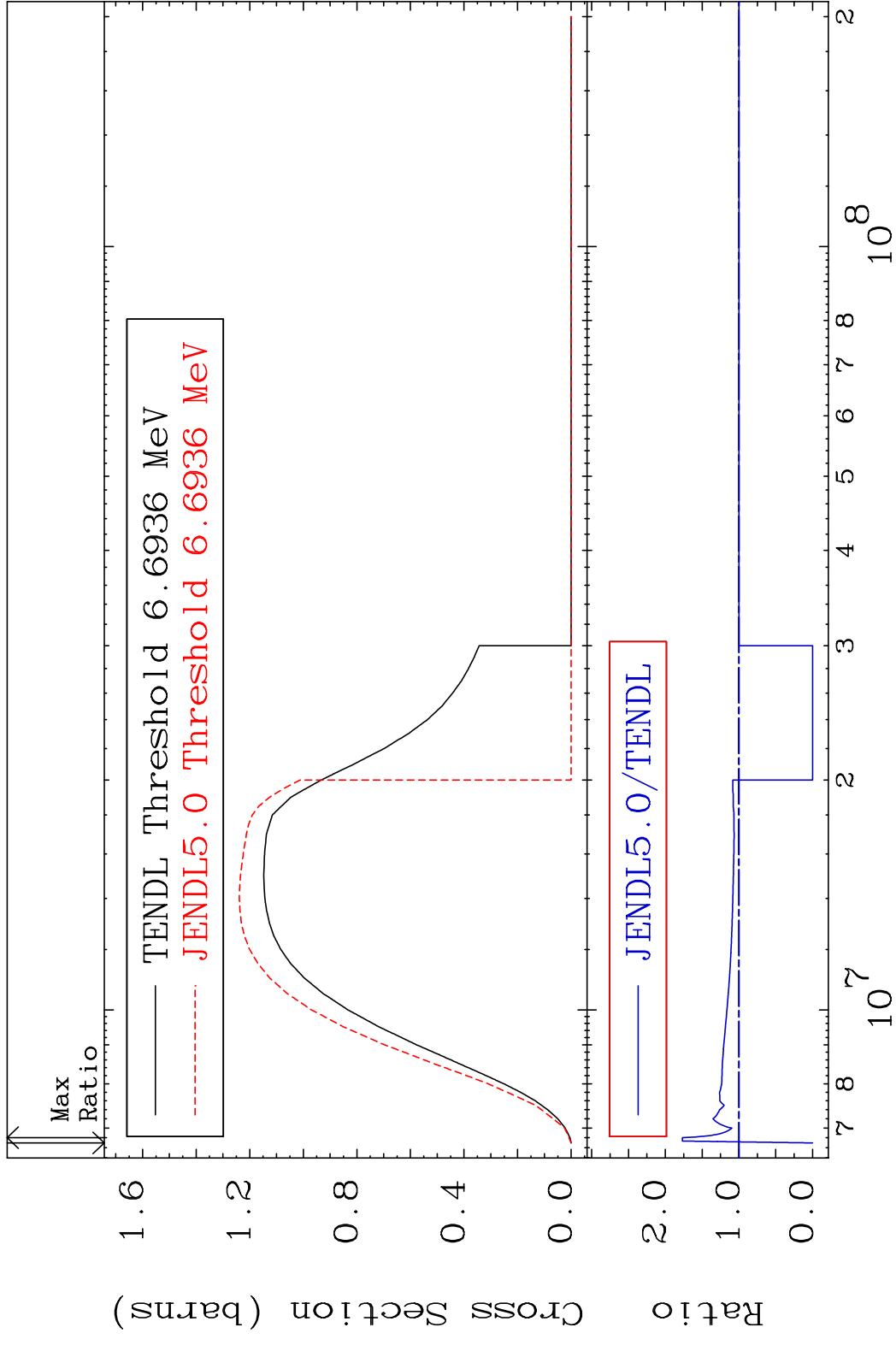


MAT 2640 (n, remainder) 26-Fe-59  
 Cross Section -4.267 To 1.566 %

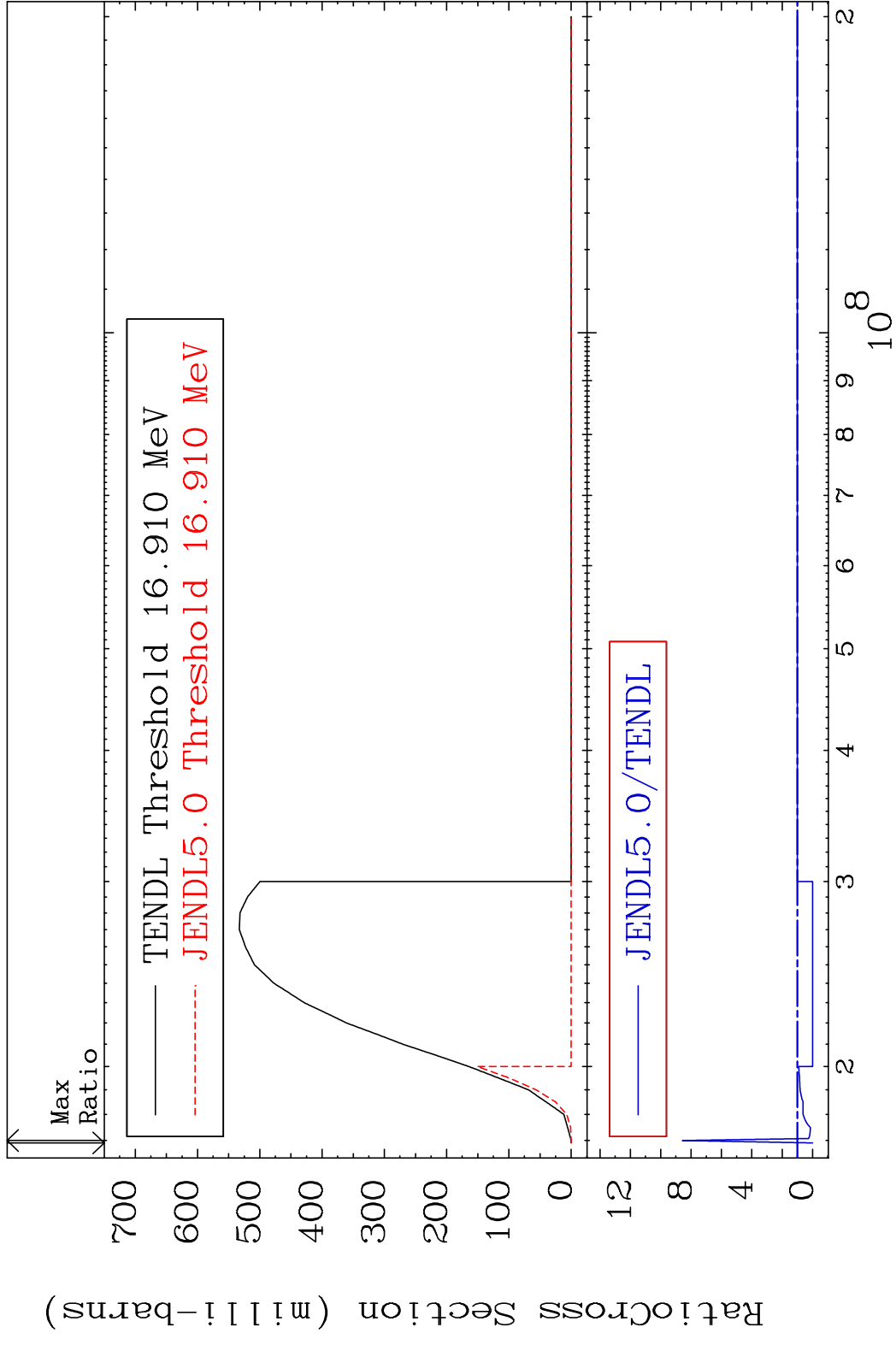


4 Incident Energy (eV) 26-Fe-59

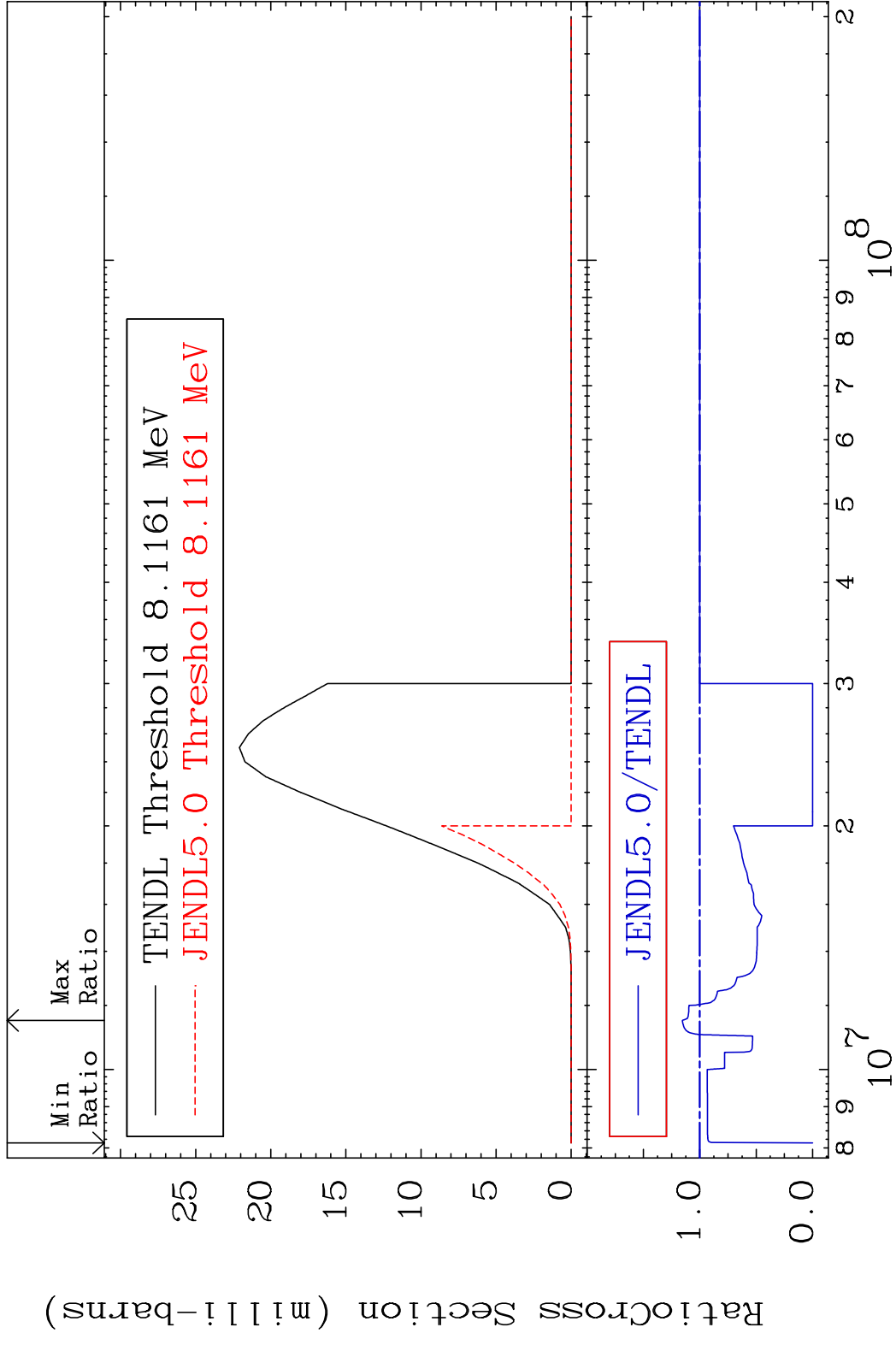
MAT 2640 (n,2n) 26-Fe-59  
 Cross Section -100.0 To 76.87 %



MAT 2640 (n,3n) 26-Fe-59  
 Cross Section -100.0 To 757.4 %

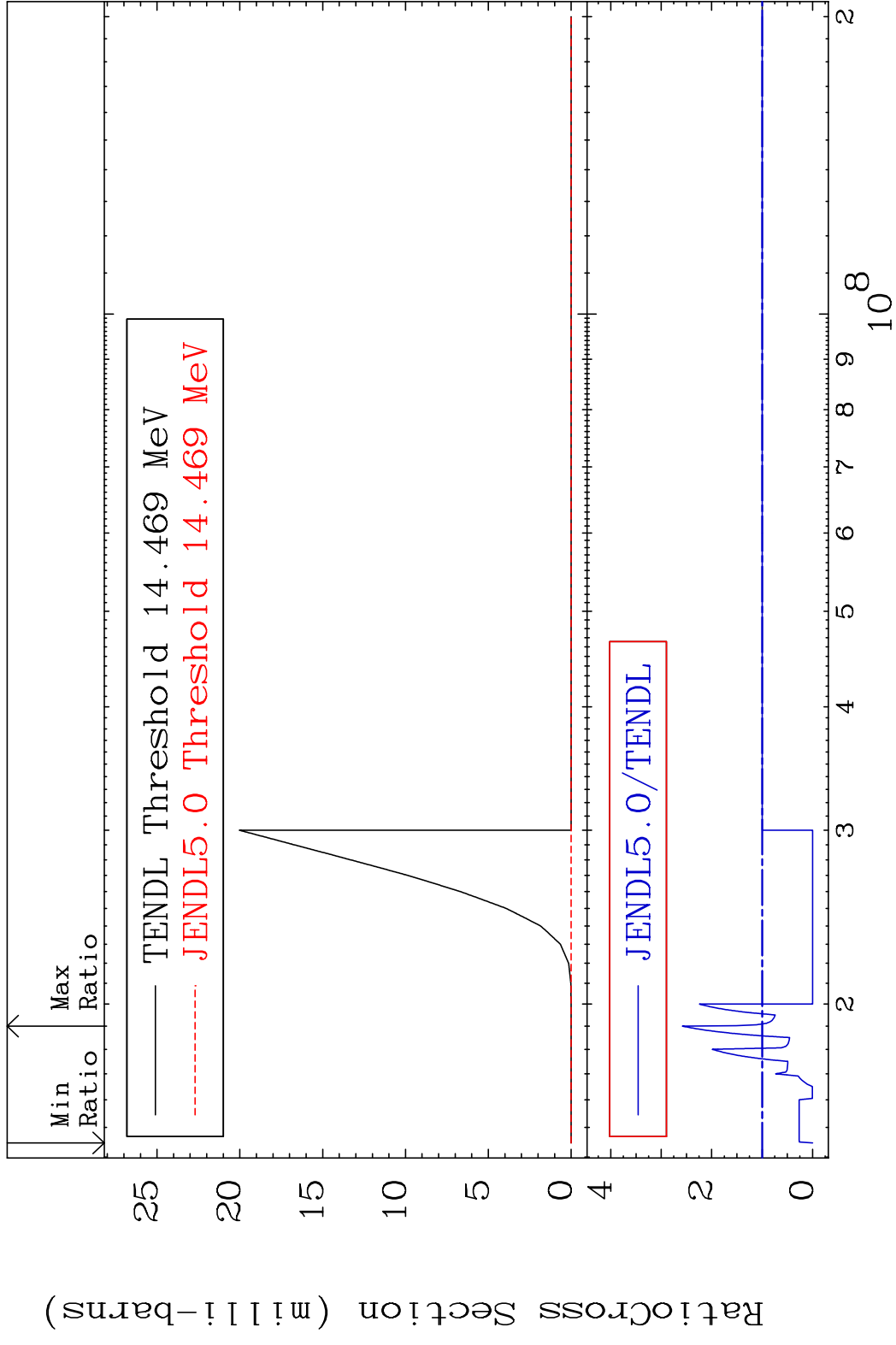


MAT 2640 (n, n')  $\alpha$  <sup>26</sup>Fe-59  
 Cross Section -100.0 To 15.49 %

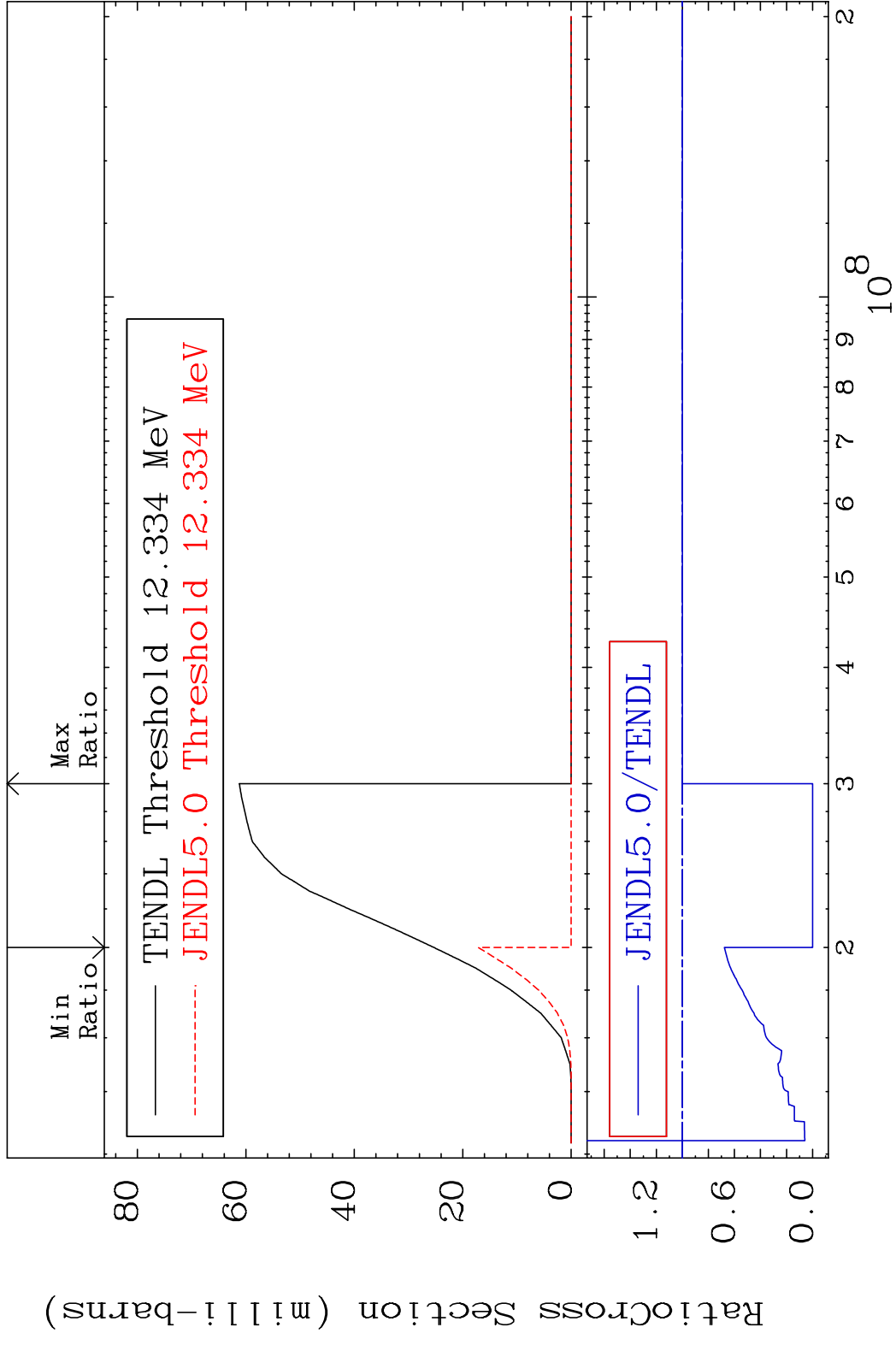




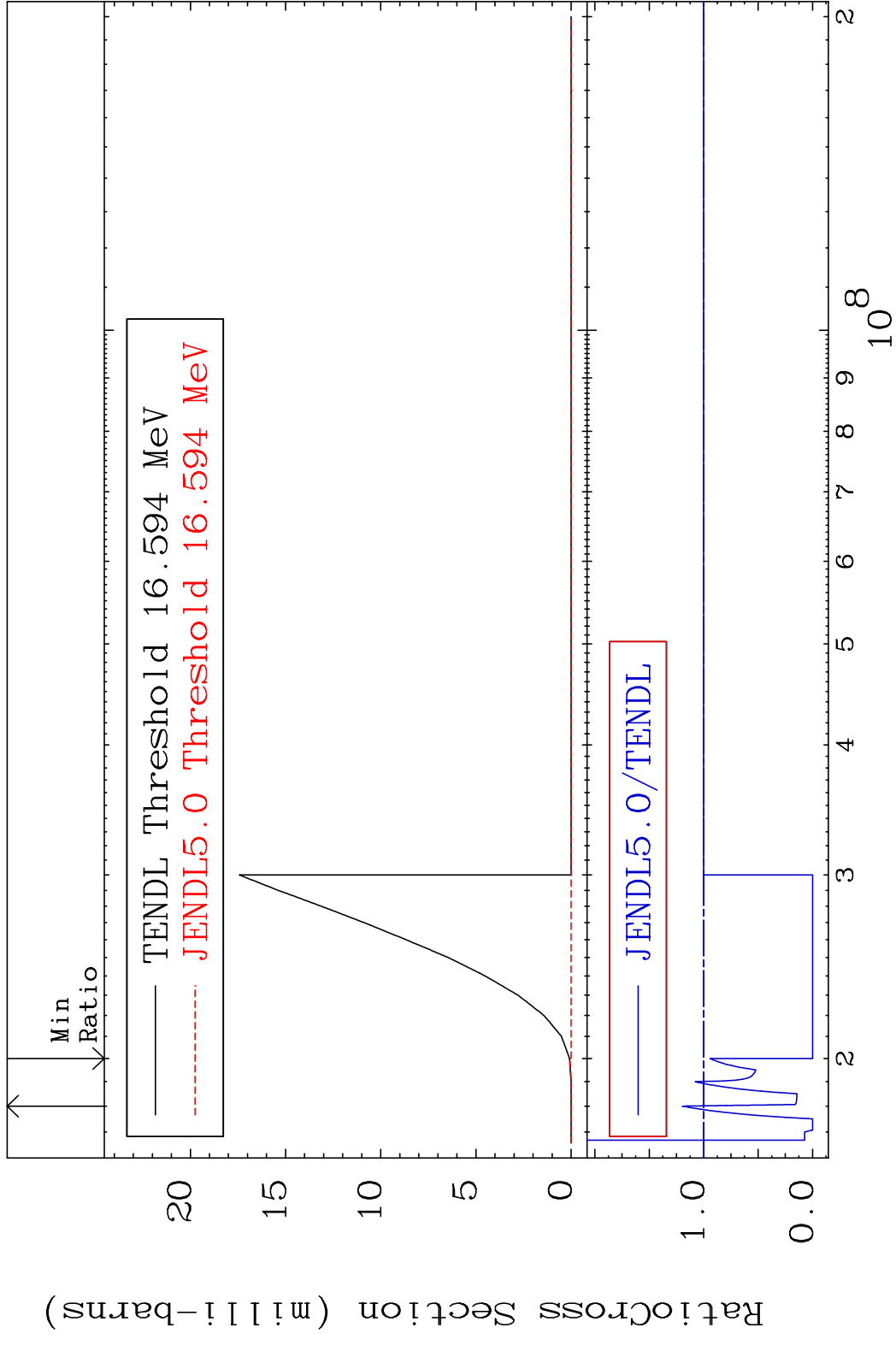
MAT 2640 (n,2n)  $\alpha$  26-Fe-59  
 Cross Section -100.0 To 158.1 %



MAT 2640 (n, n') p 26-Fe-59  
 Cross Section -100.0 To 0.000 %

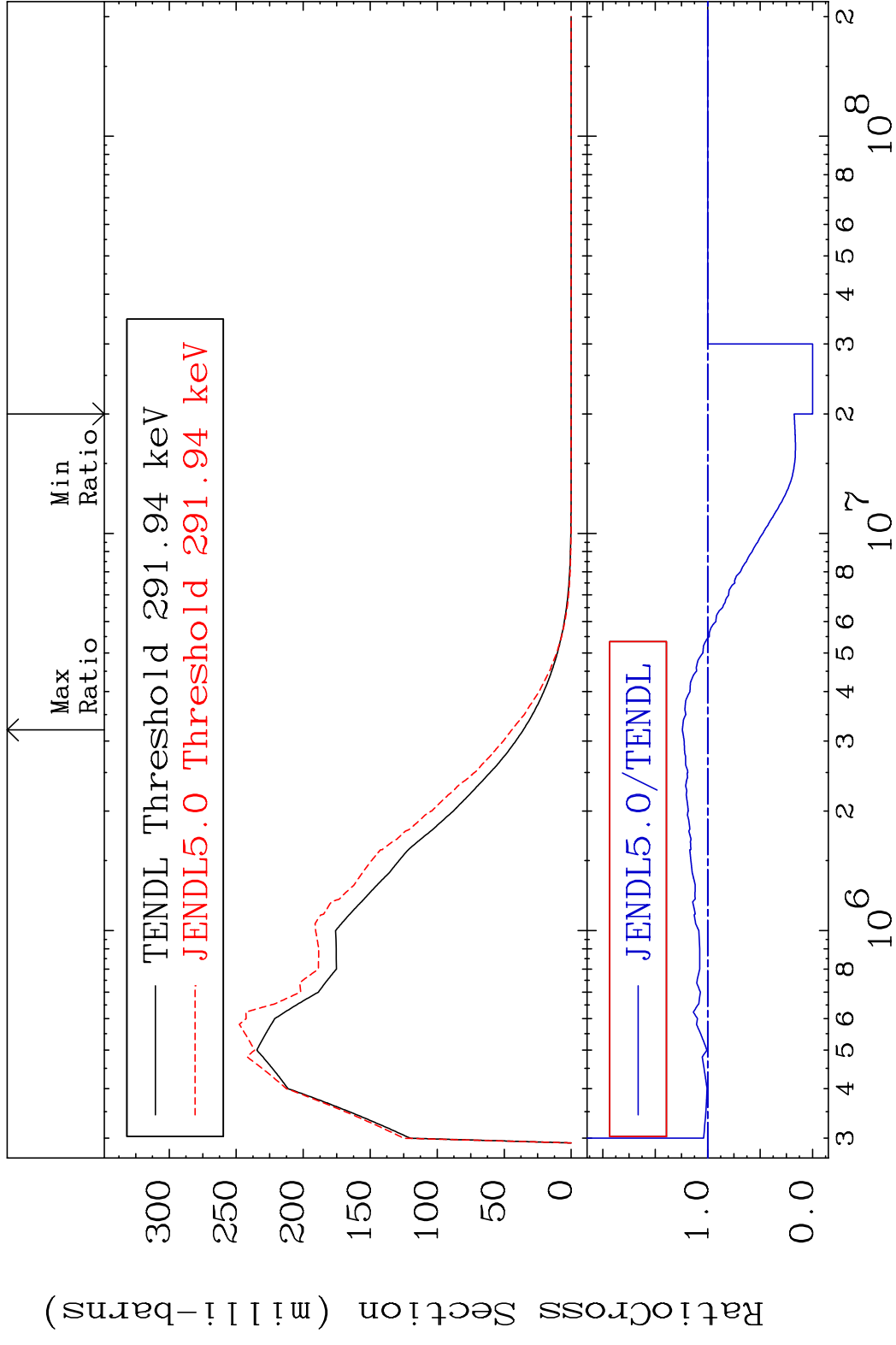


MAT 2640 (n, n') d 26-Fe-59  
 Cross Section -100.0 To 19.60 %

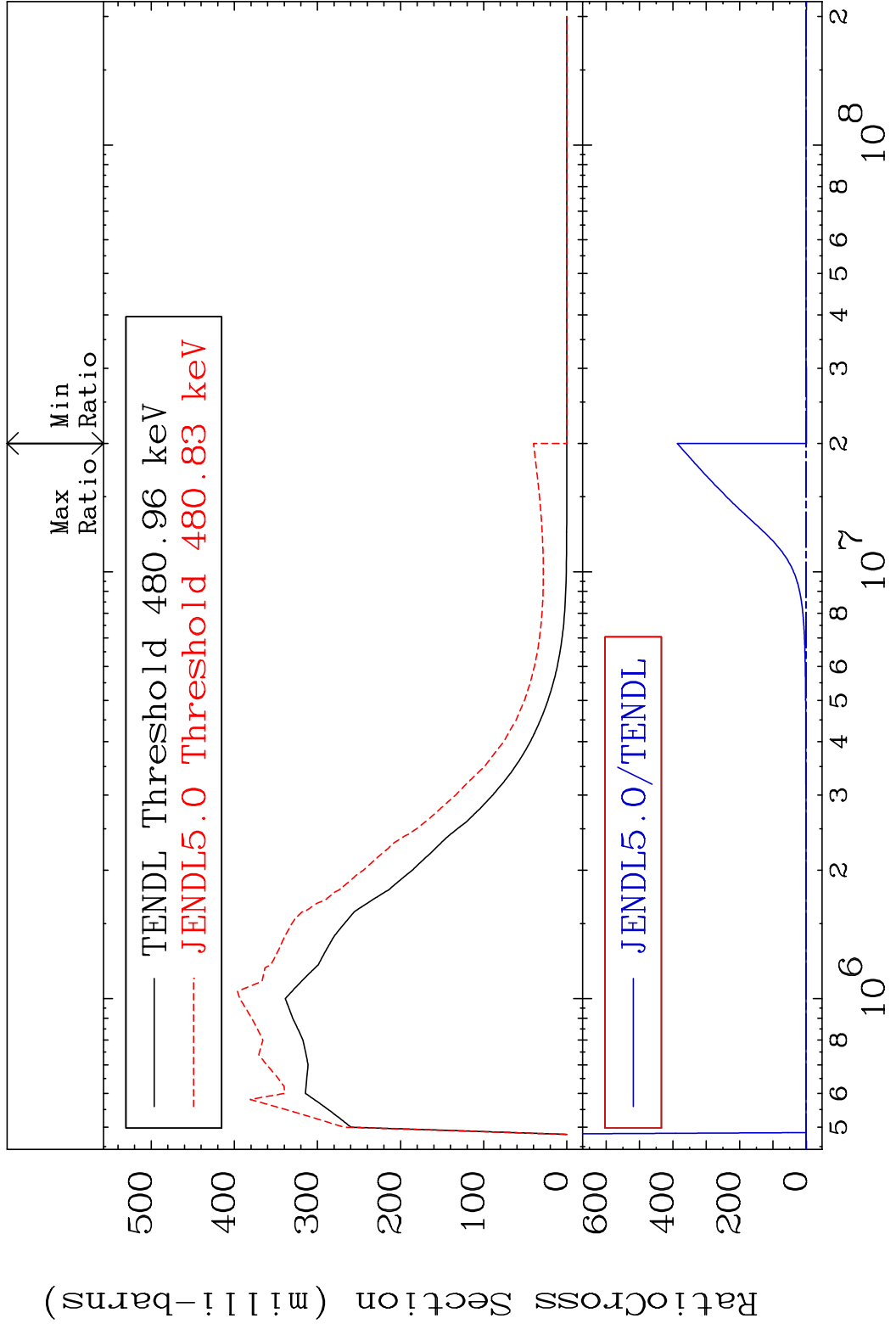


10 Incident Energy (eV) 26-Fe-59

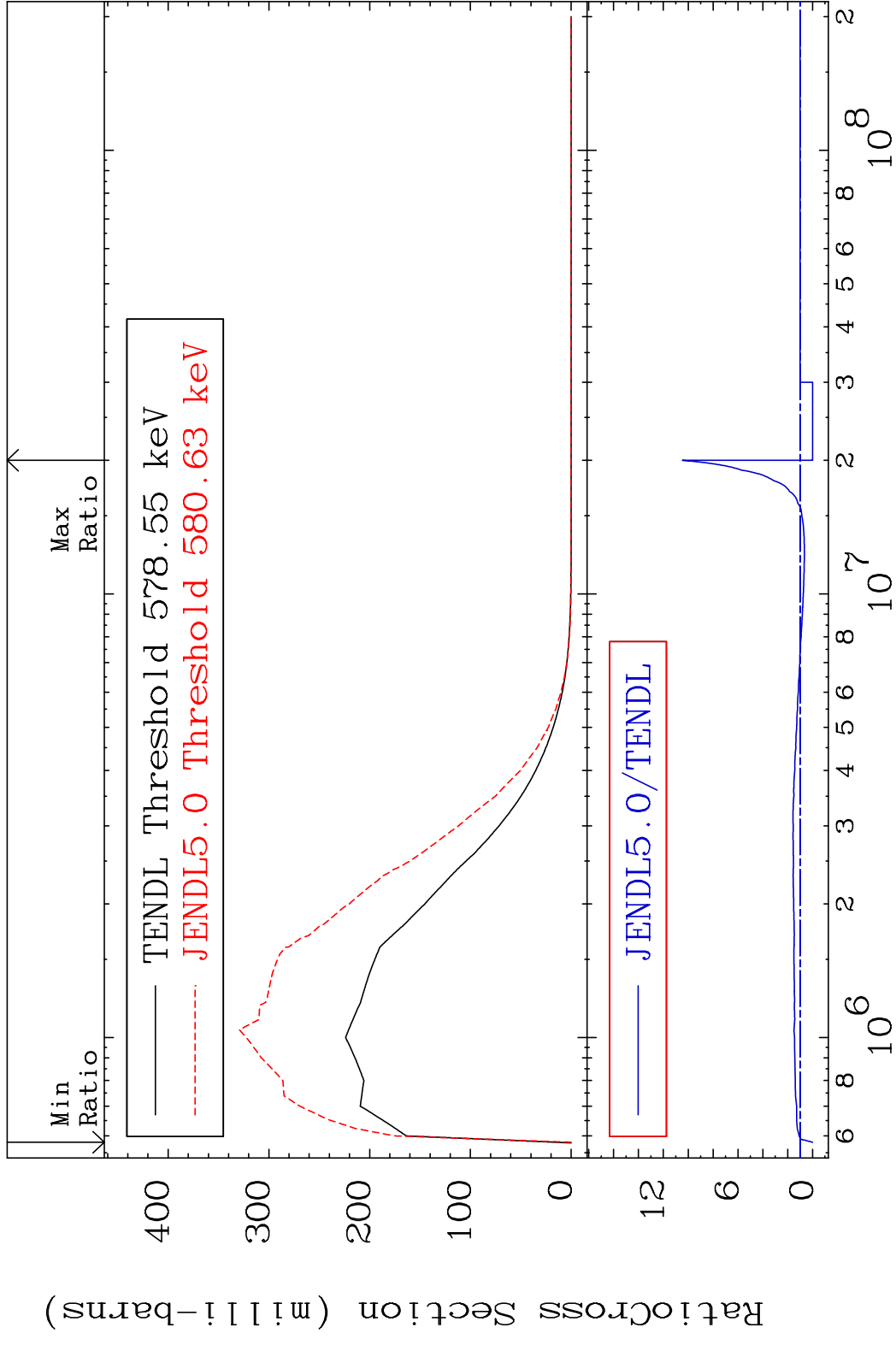
MAT 2640 MT= 51 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 24.12 %



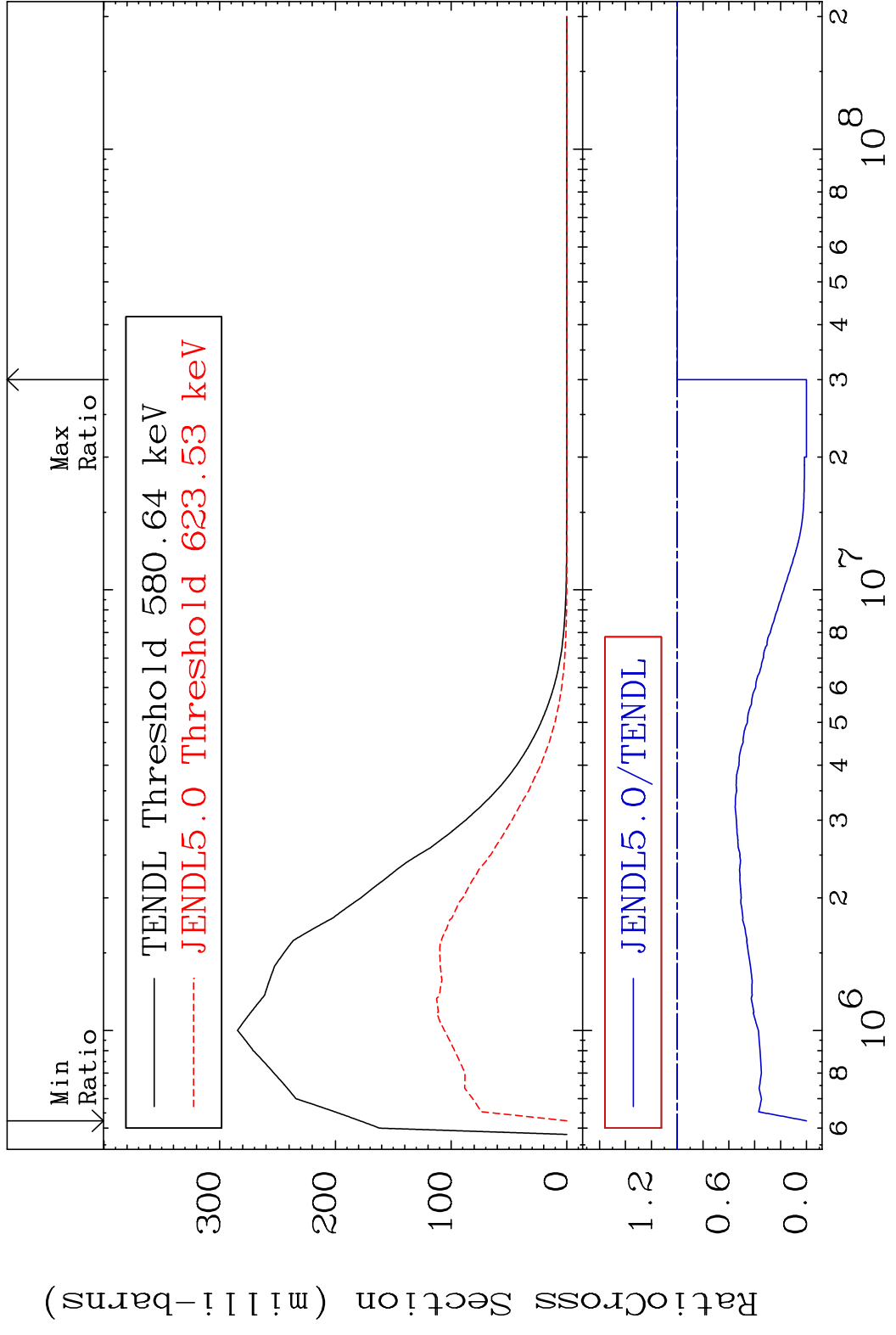
MAT 2640 MT= 52 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 9999. %



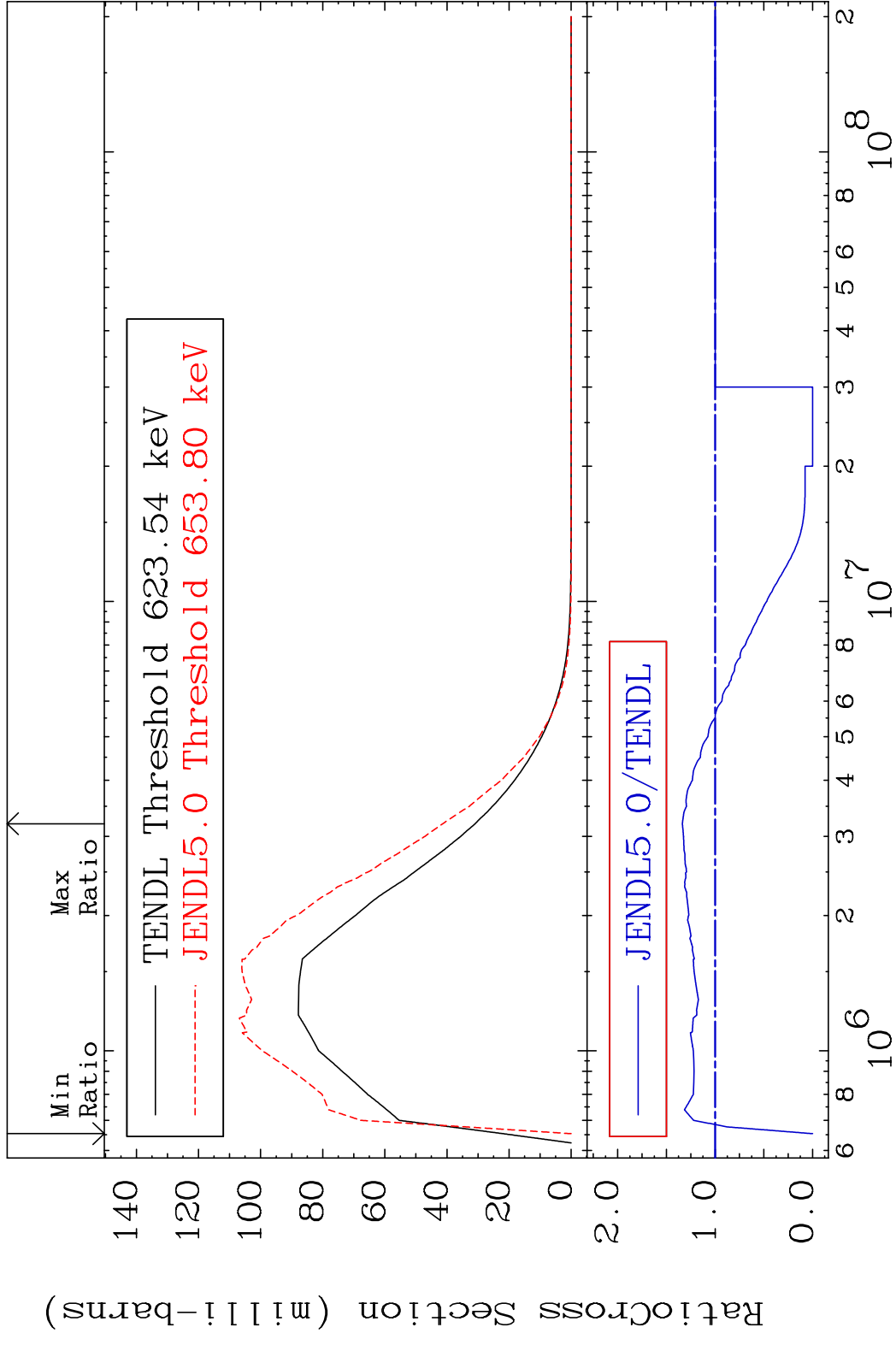
MAT 2640 MT= 53 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 947.1 %



MAT 2640 MT= 54 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 0.000 %

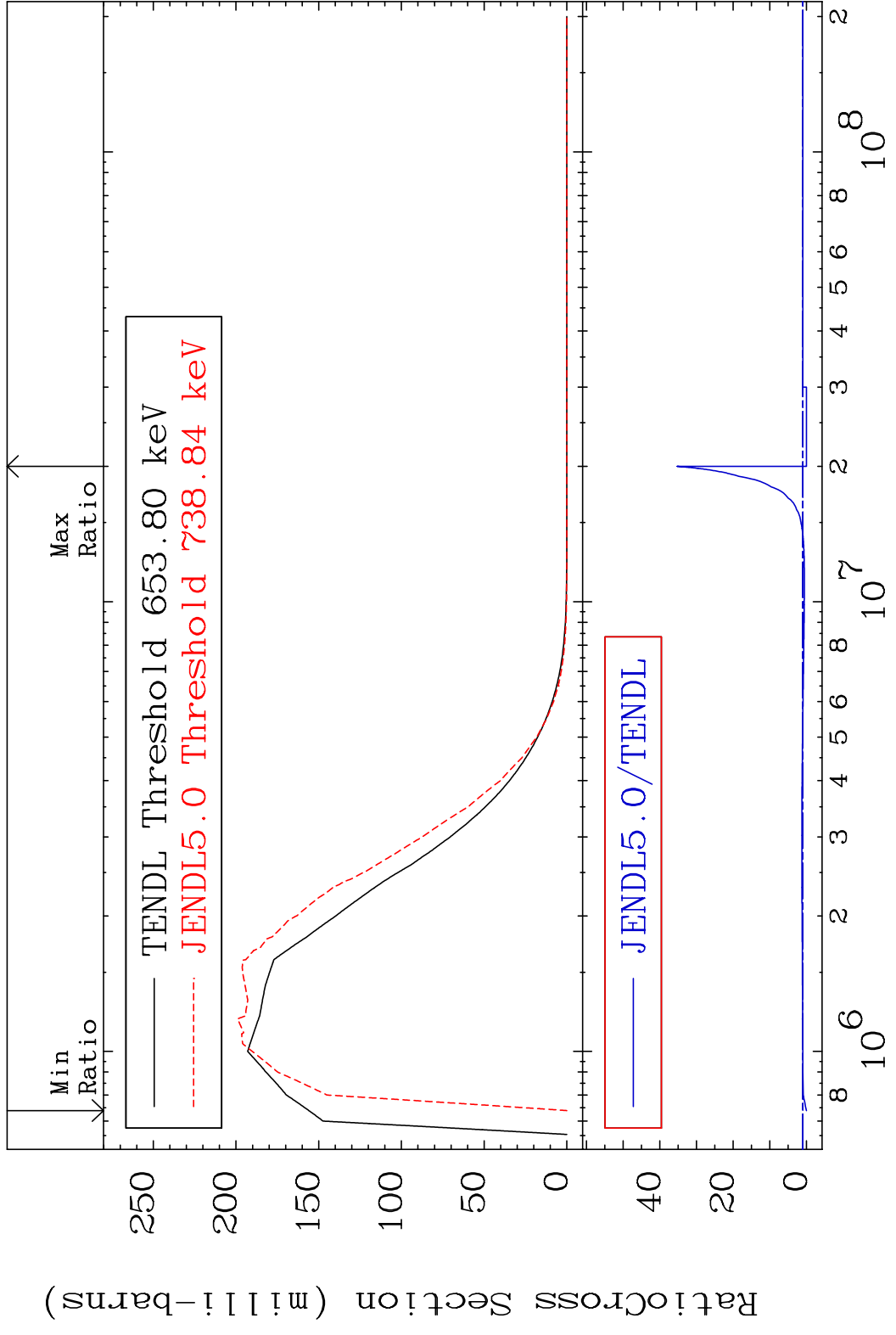


MAT 2640 MT= 55 (n,n') Level 26-Fe-59  
 Cross Section -100.0 To 33.63 %

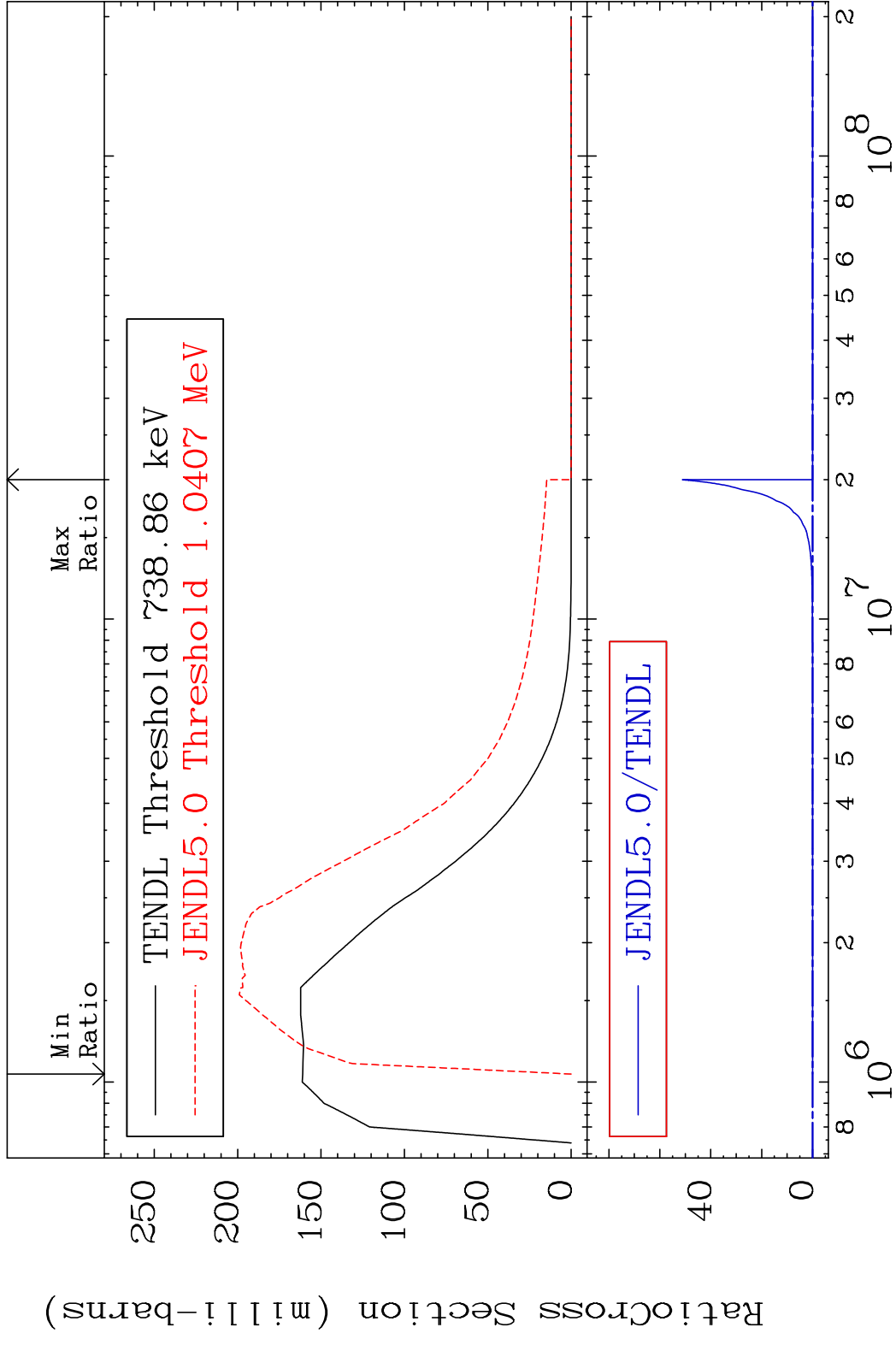




MAT 2640 MT= 56 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 3426. %

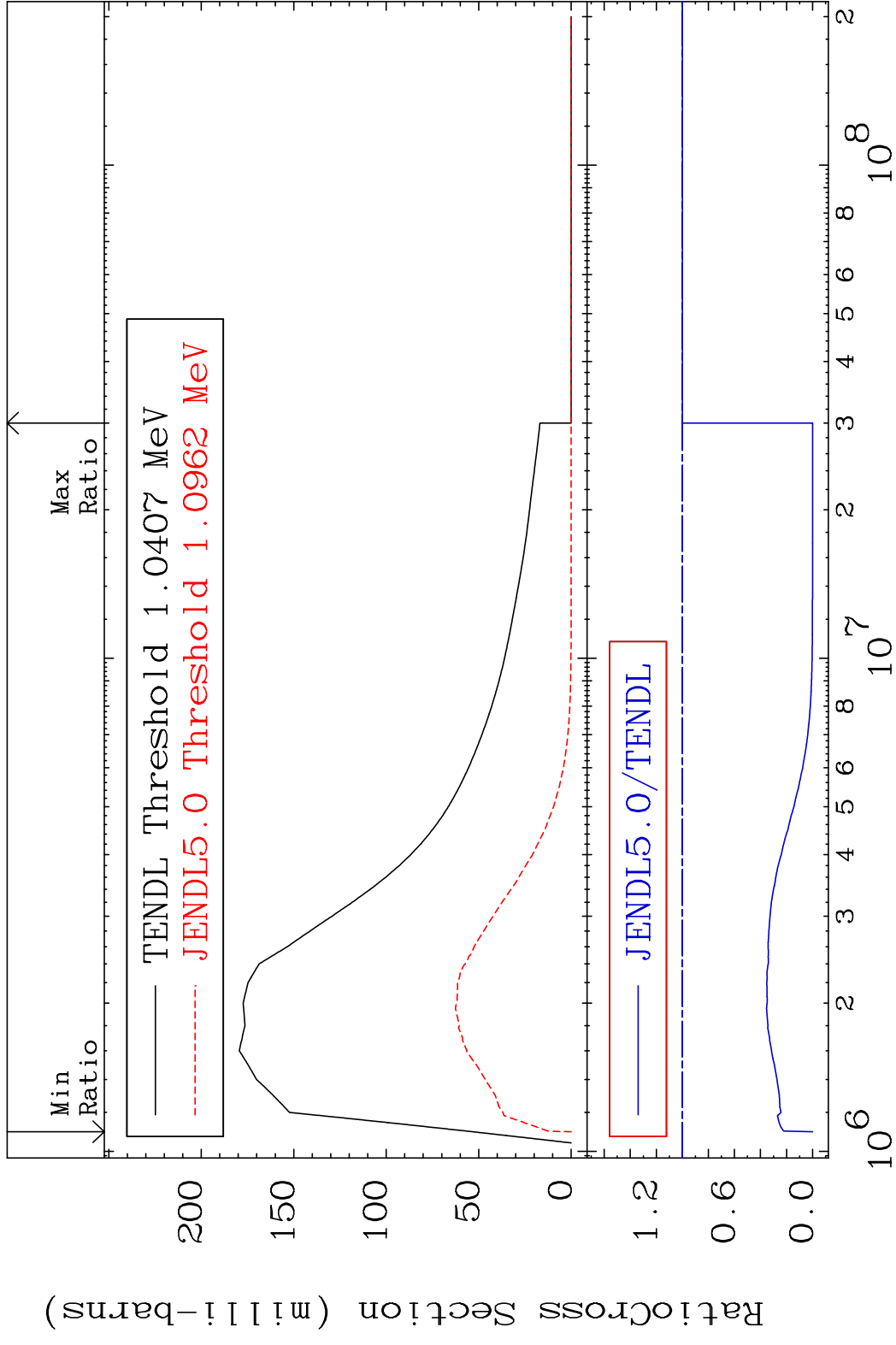


MAT 2640 MT= 57 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 9999. %



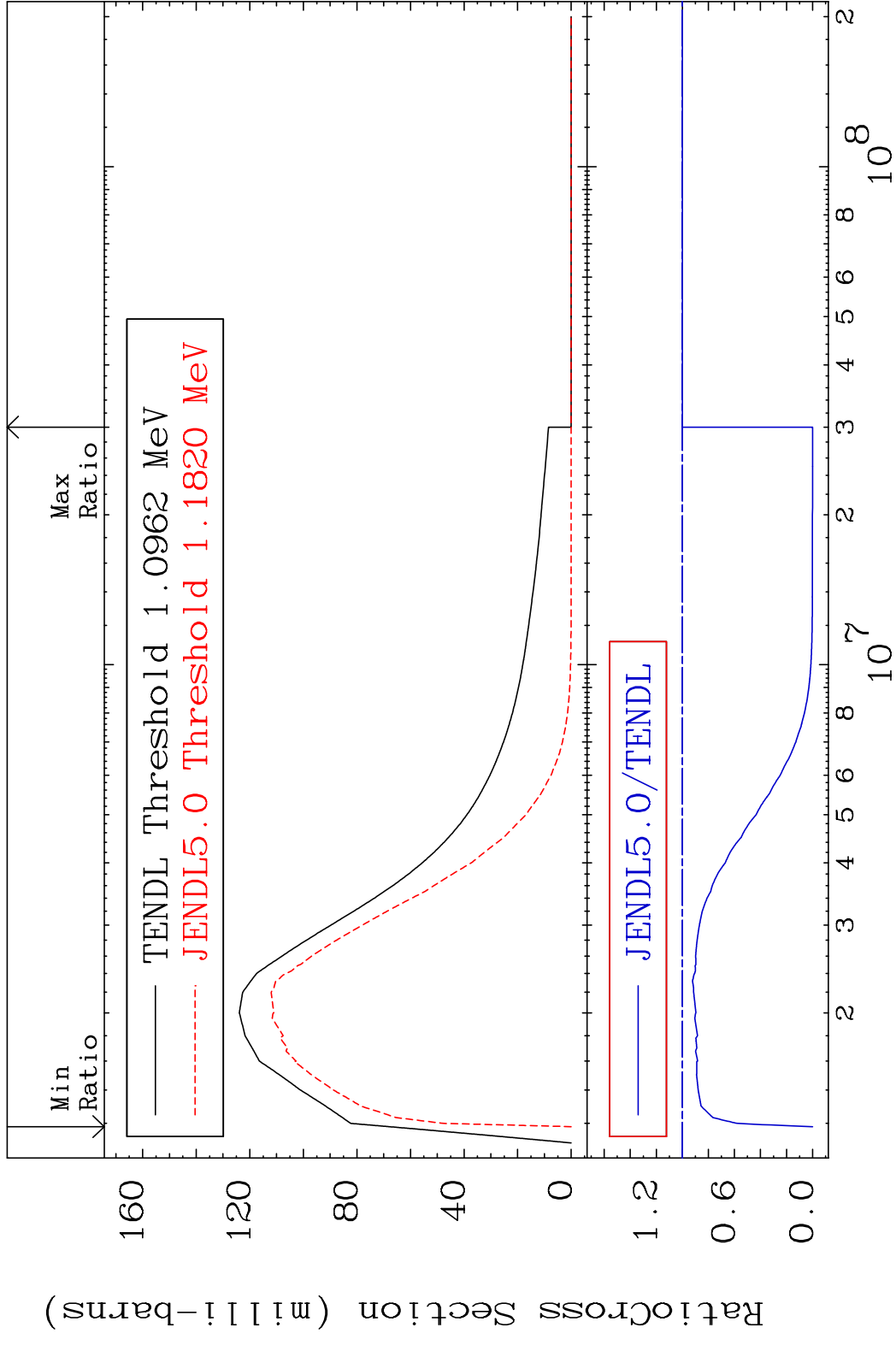
17 Incident Energy (eV) 26-Fe-59

MAT 2640 MT= 58 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 0.000 %

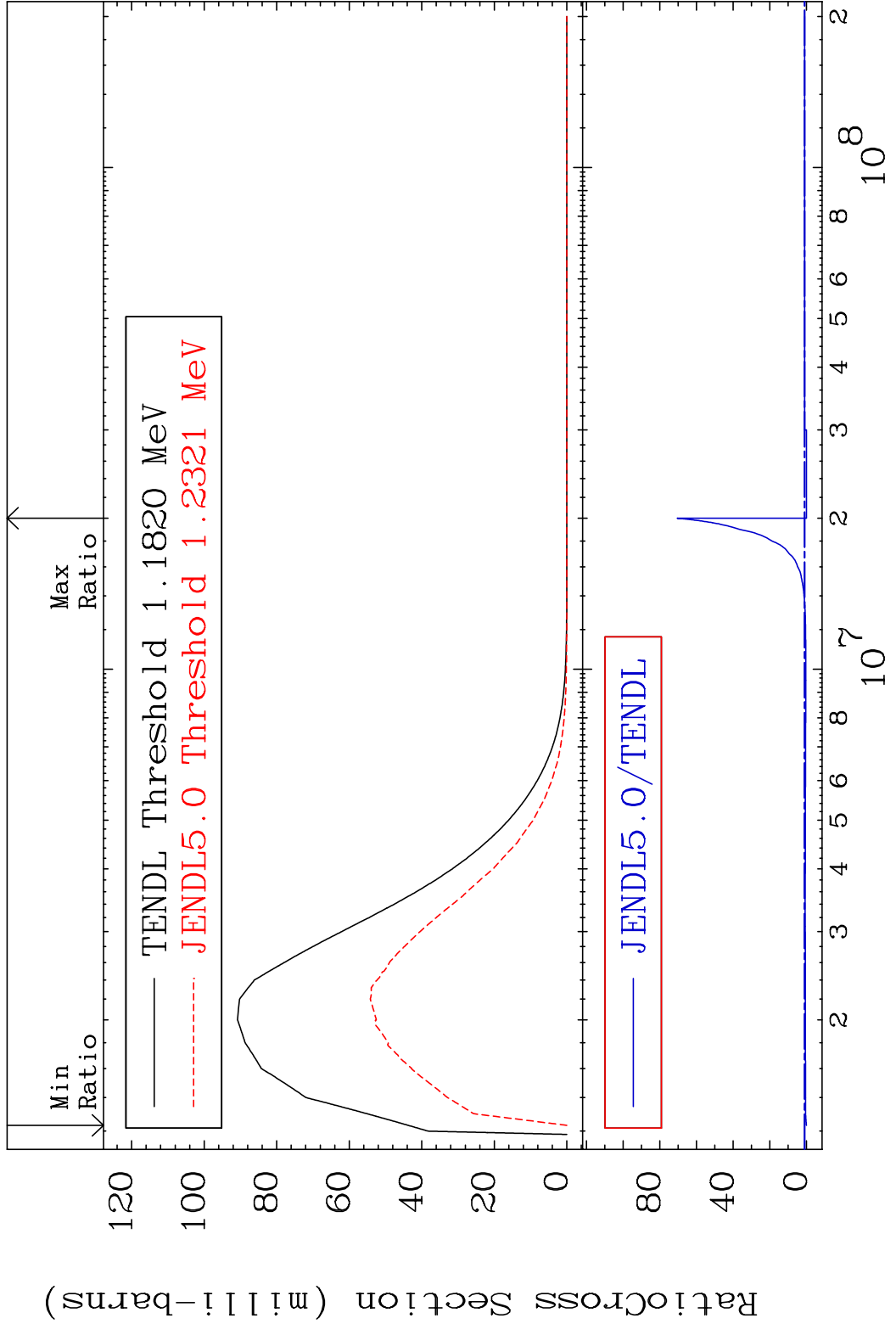


18 Incident Energy (eV) 26-Fe-59

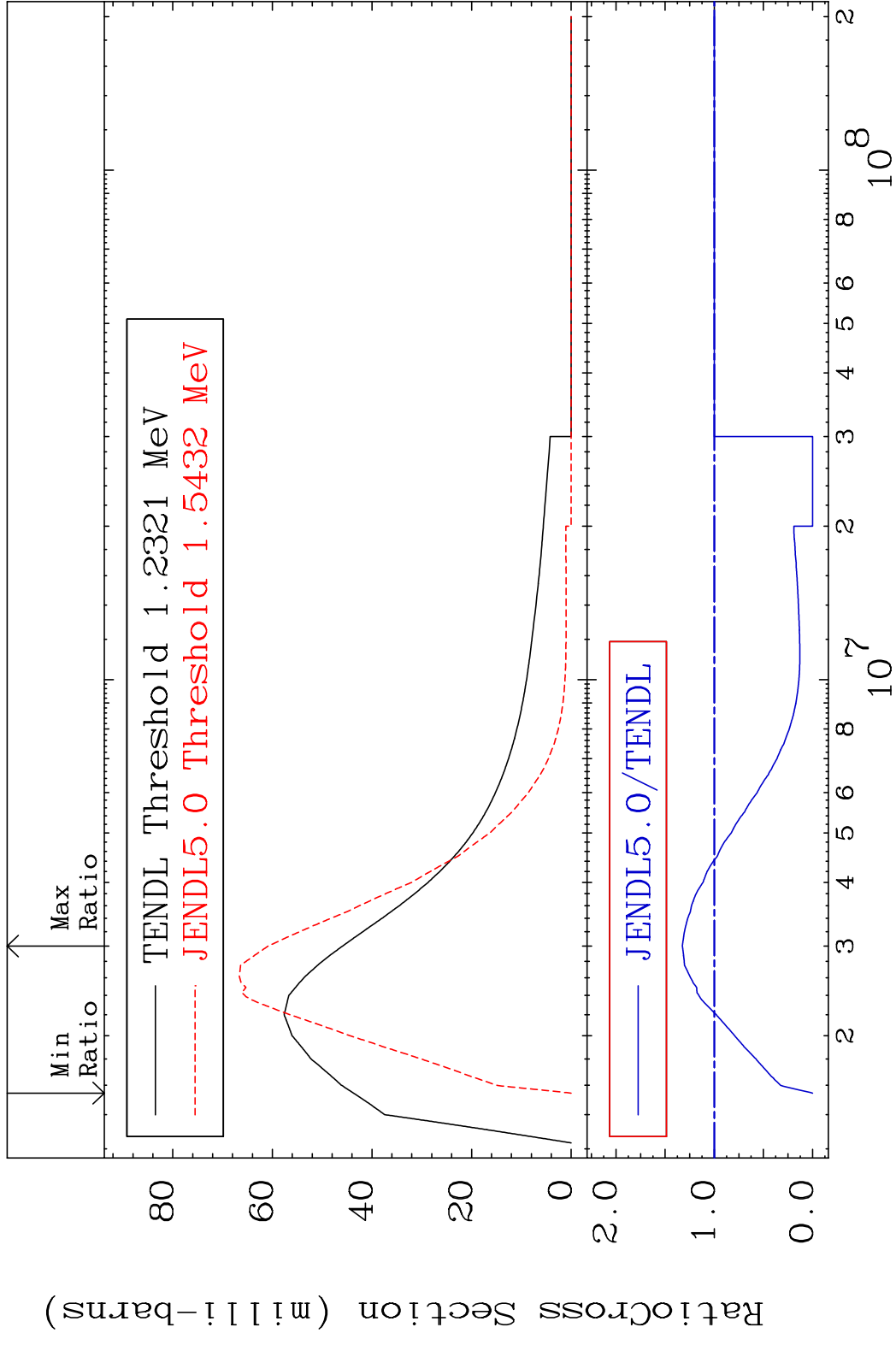
MAT 2640 MT= 59 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 0.000 %



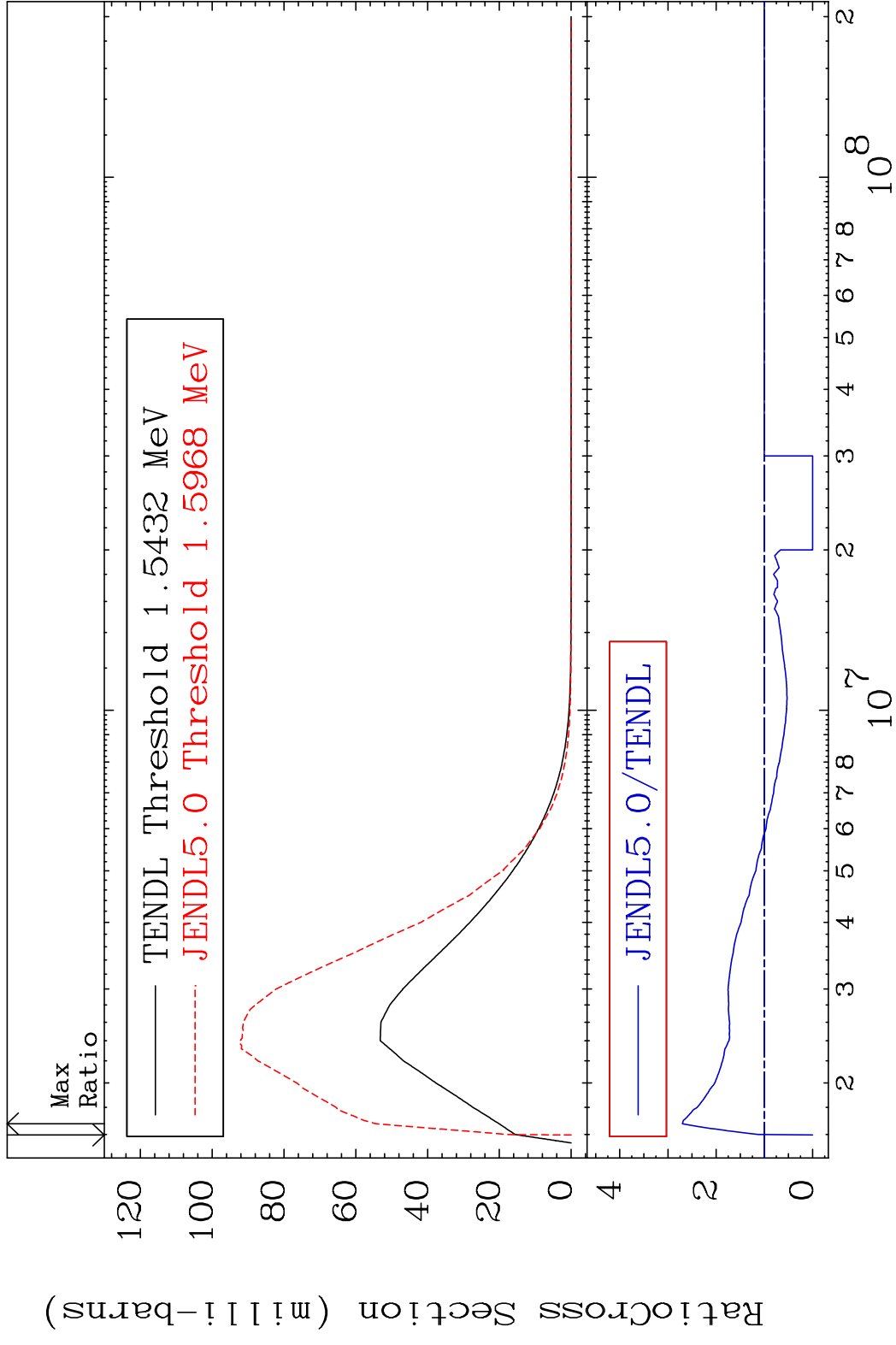
MAT 2640 MT= 60 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 6948. %



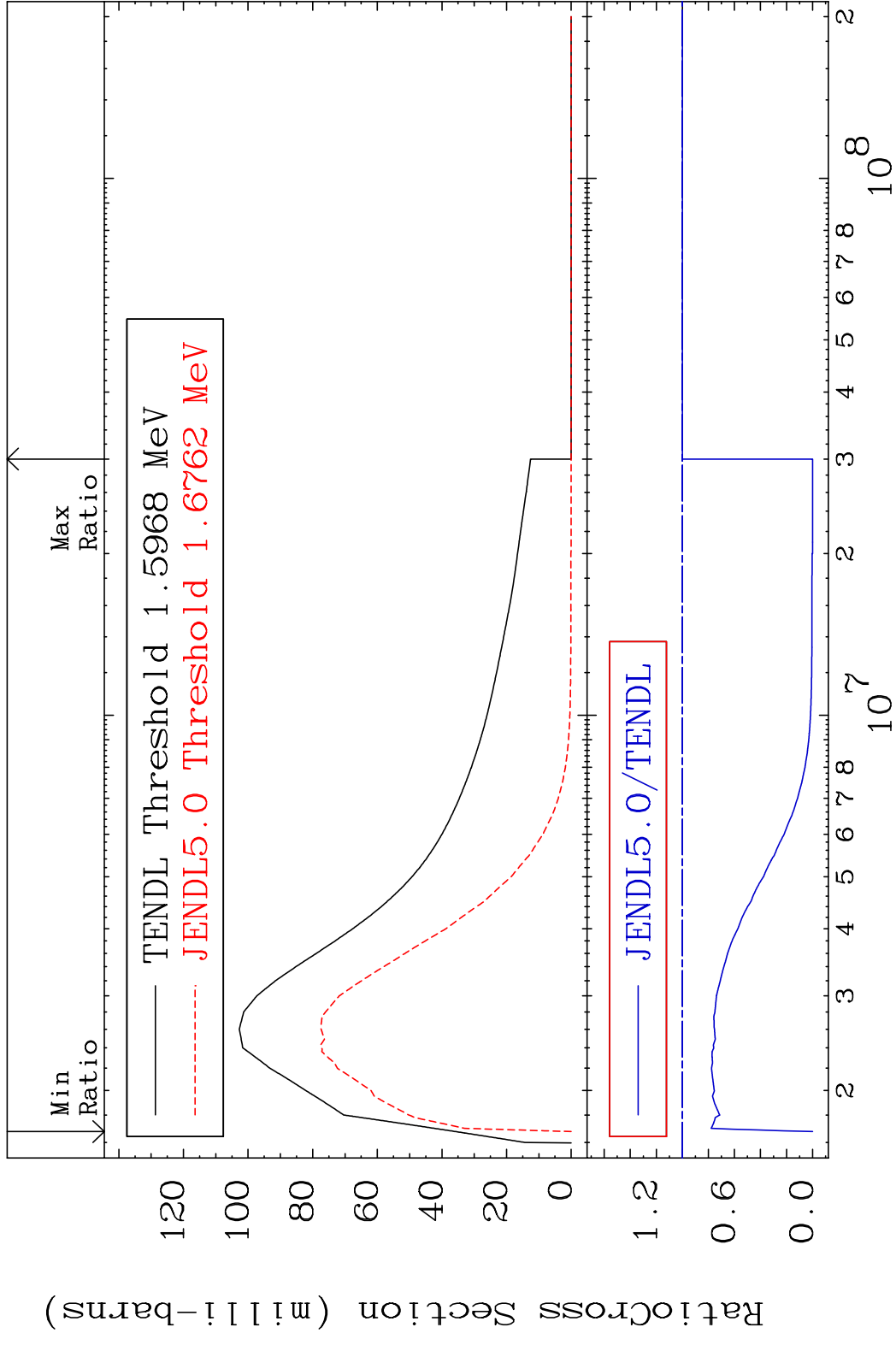
MAT 2640 MT= 61 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 32.51 %



MAT 2640 MT= 62 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 170.2 %

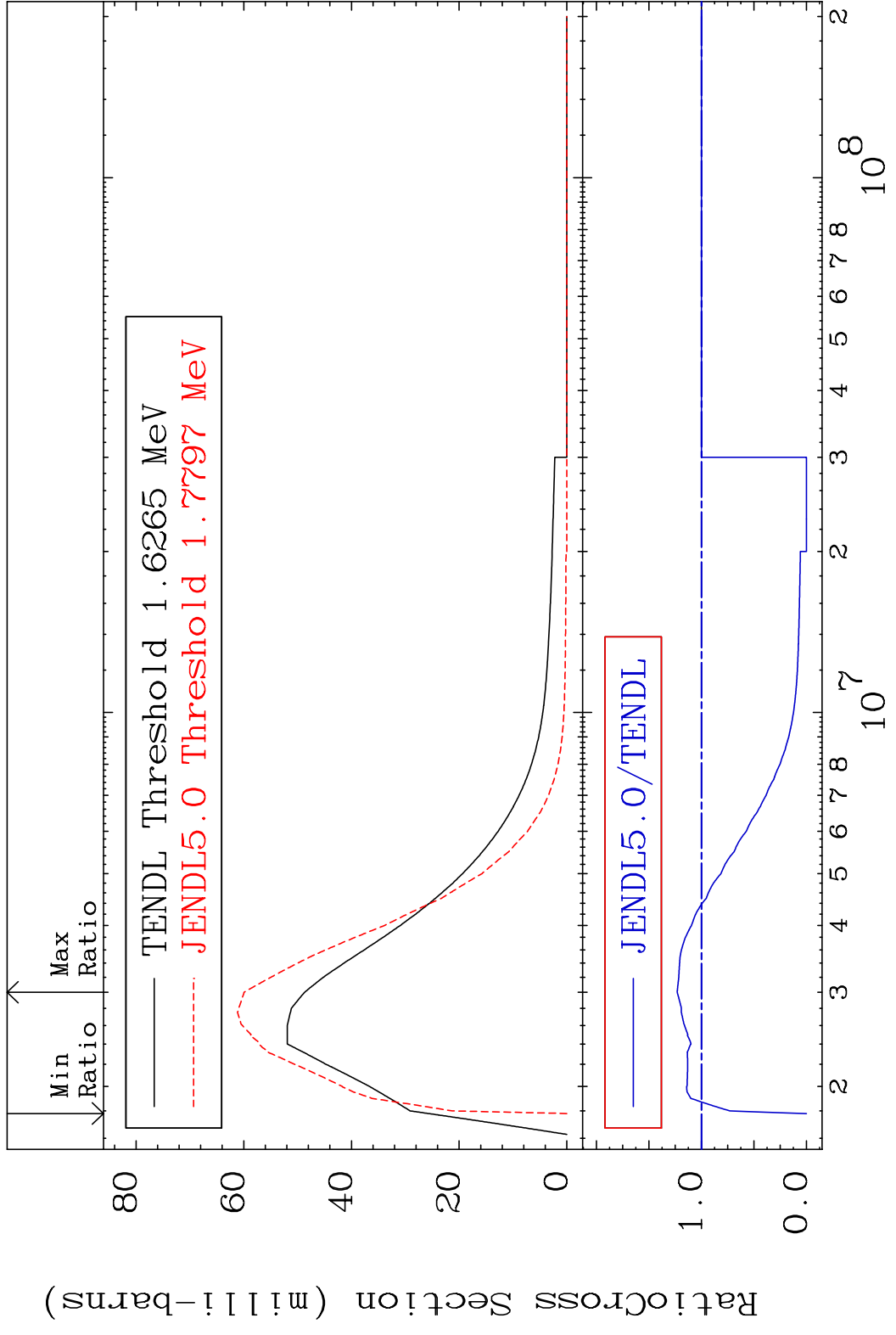


MAT 2640 MT= 63 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 0.000 %



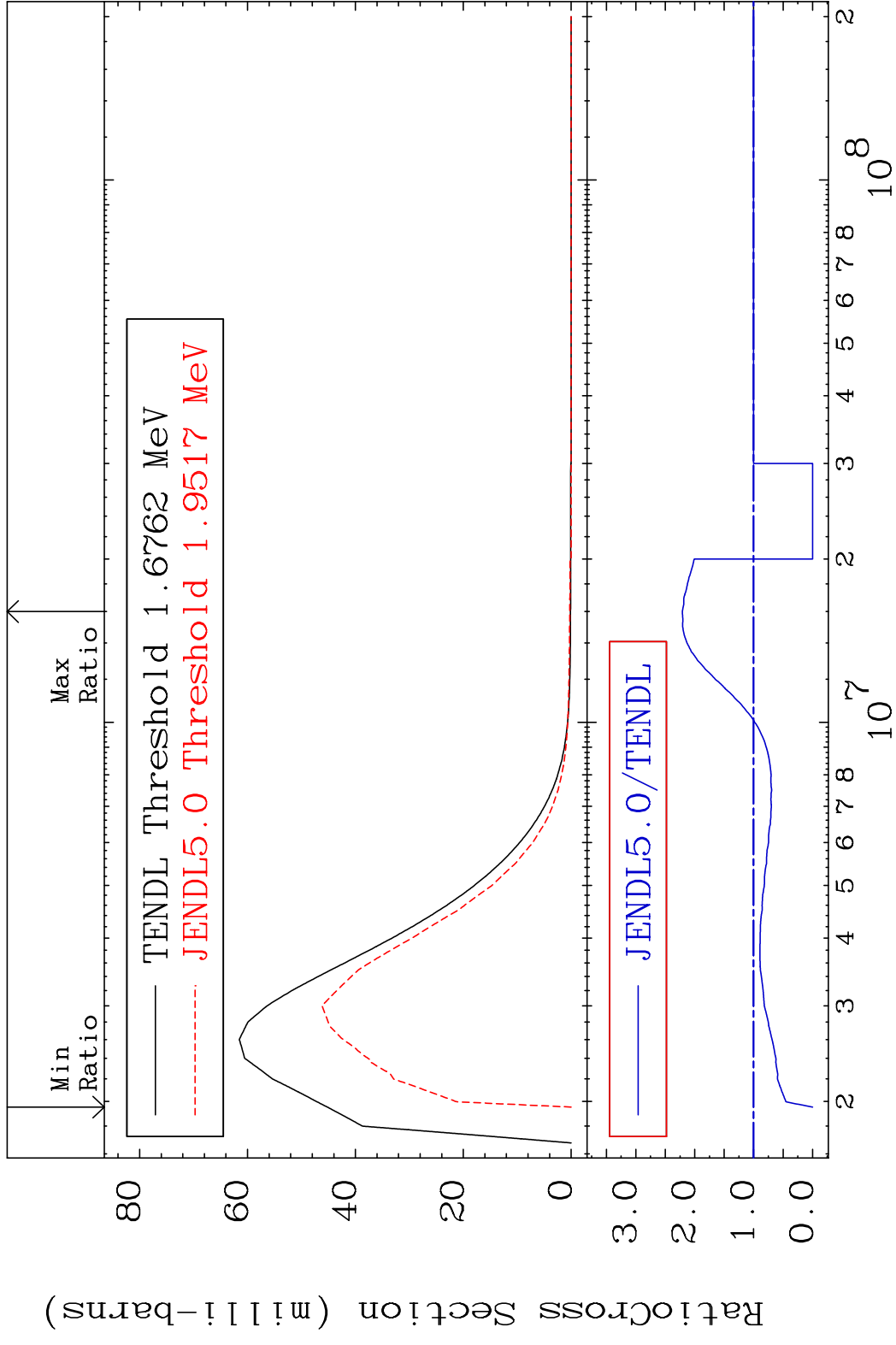


MAT 2640 MT= 64 (n,n') Level 26-Fe-59  
 Cross Section -100.0 To 23.06 %

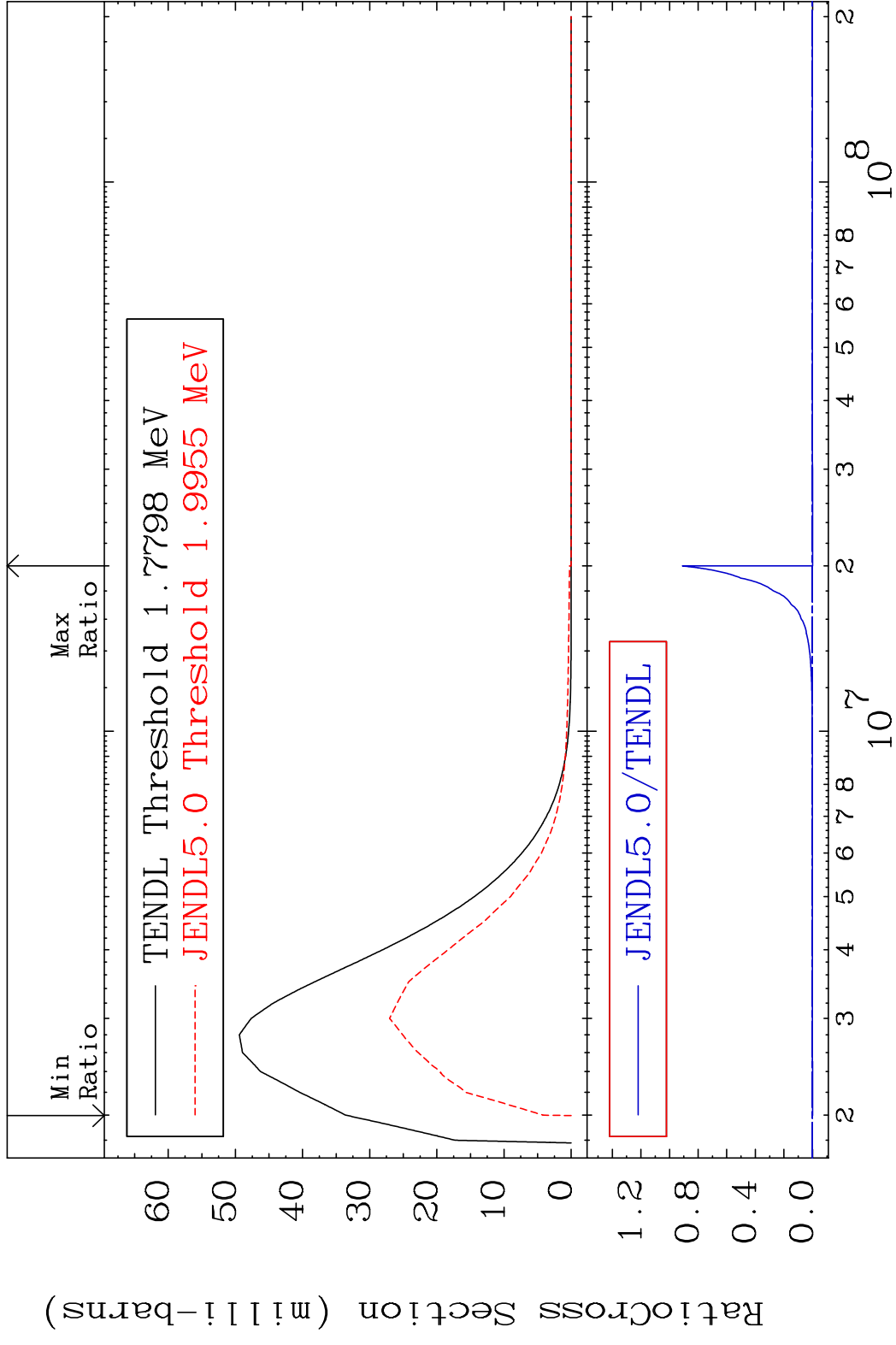


24 Incident Energy (eV) 26-Fe-59

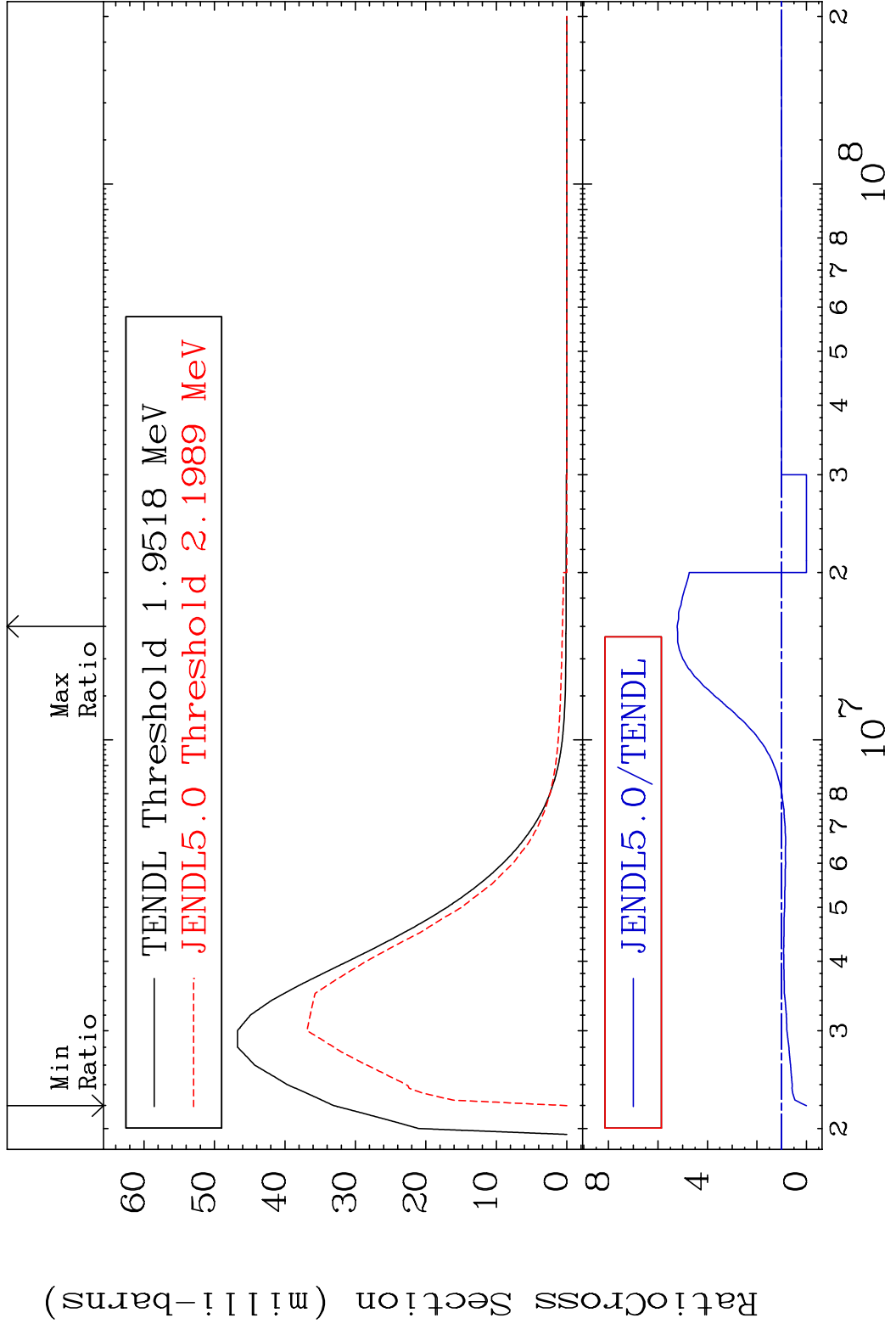
MAT 2640 MT= 65 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 121.0 %



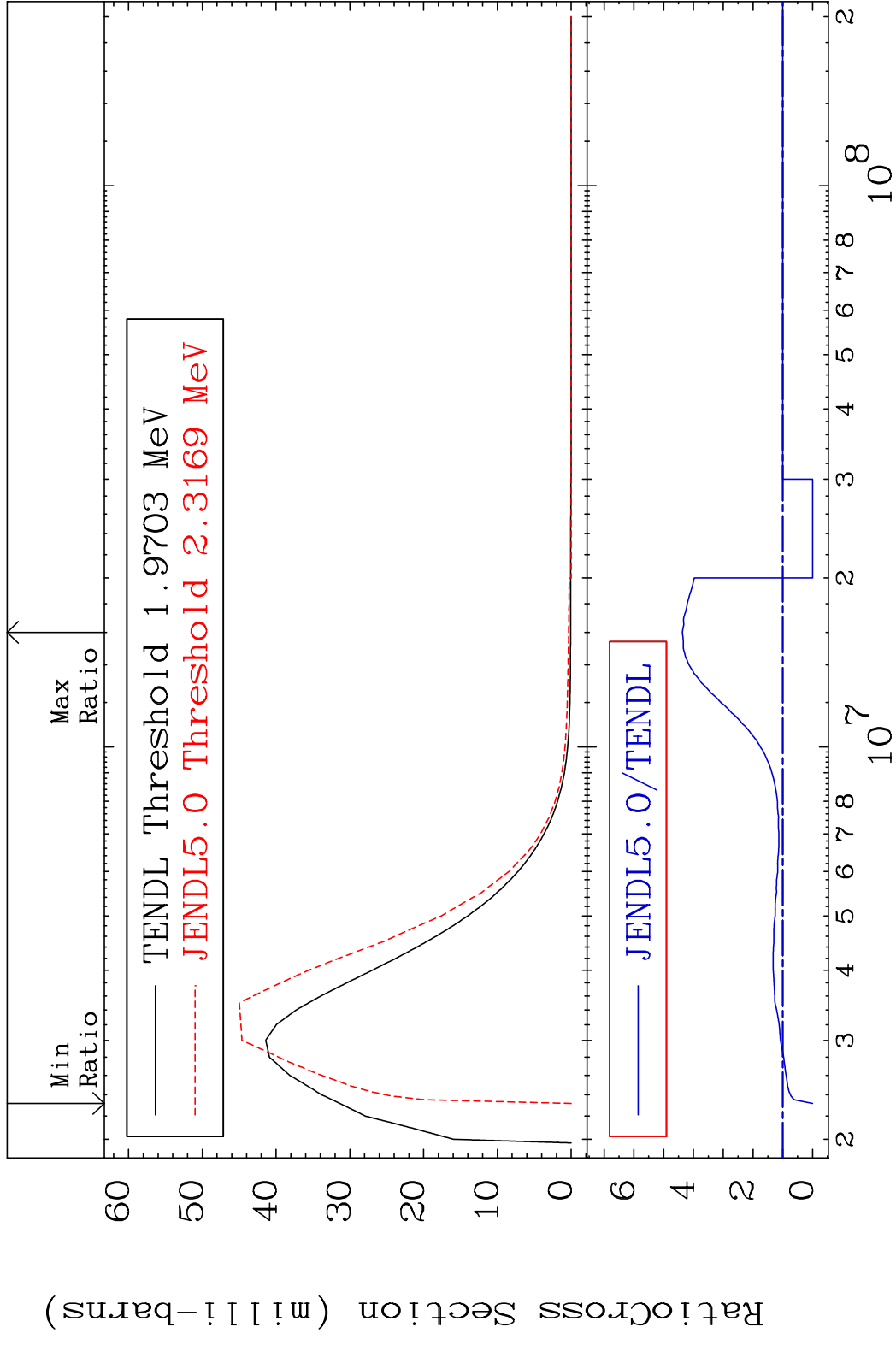
MAT 2640 MT= 66 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 9999. %



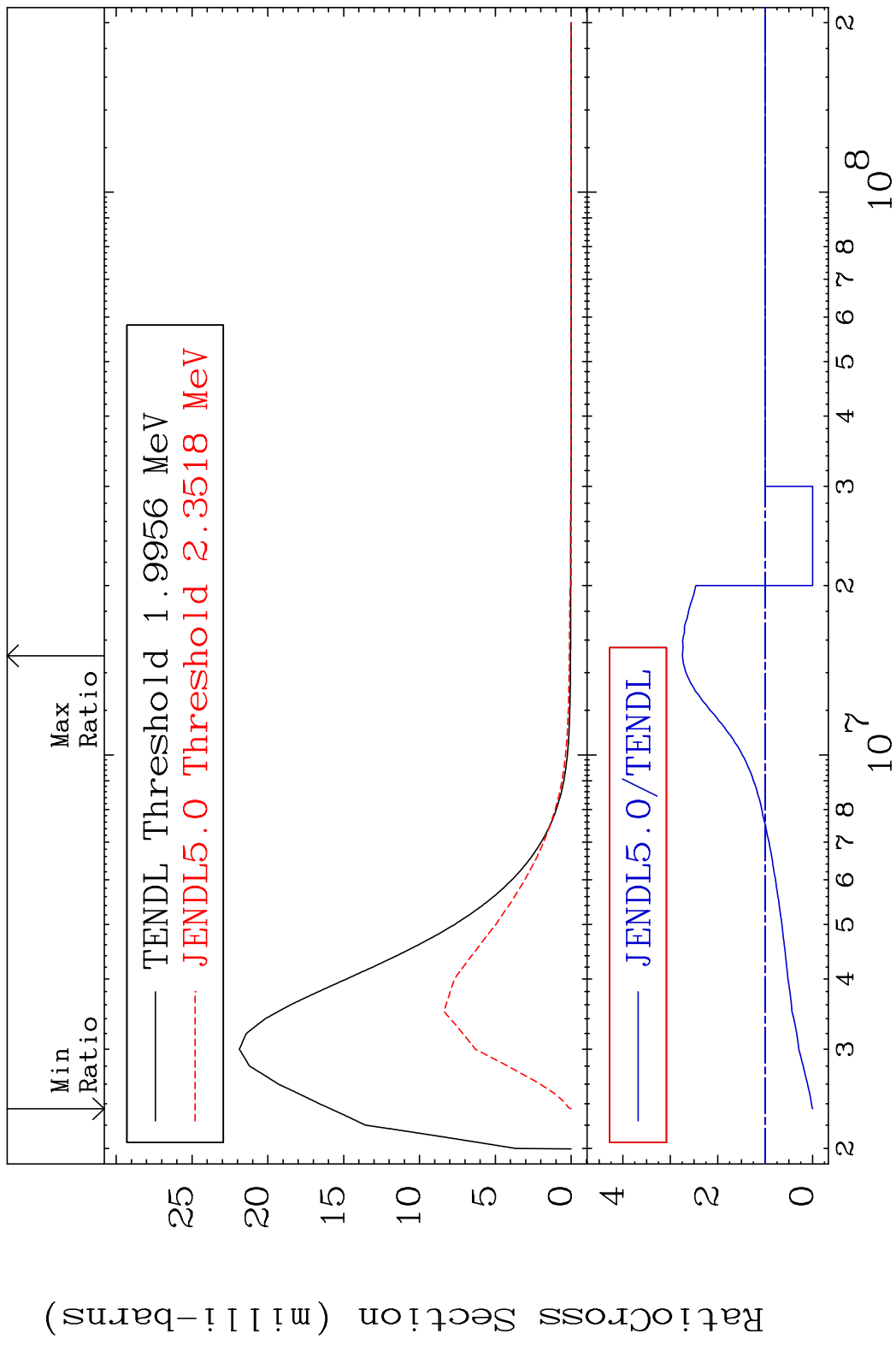
MAT 2640 MT= 67 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 422.3 %



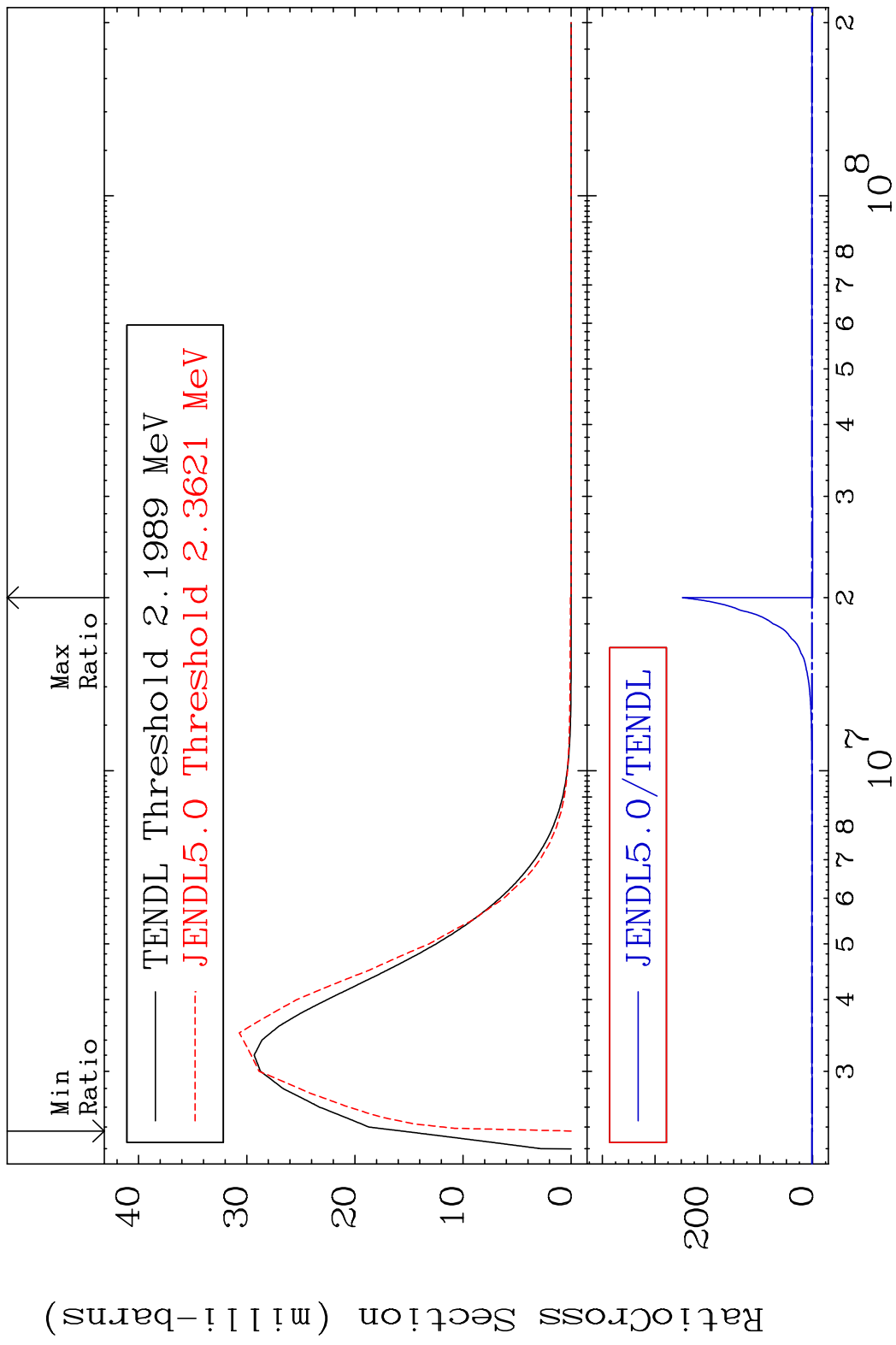
MAT 2640 MT= 68 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 337.2 %



MAT 2640 MT= 69 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 174.6 %



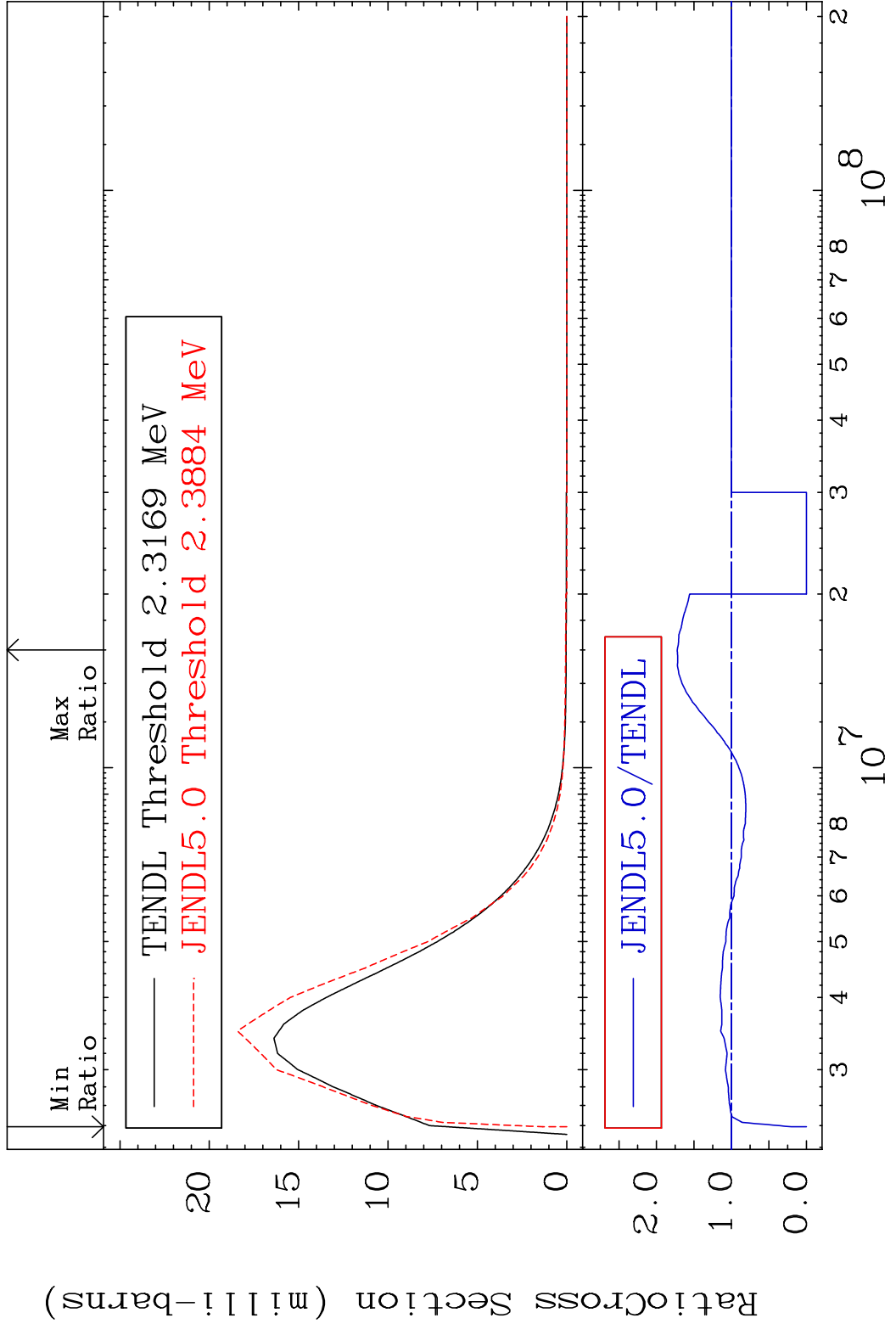
MAT 2640 MT= 70 (n, n') Level 26-Fe-59  
Cross Section -100.0 To 9999. %



30

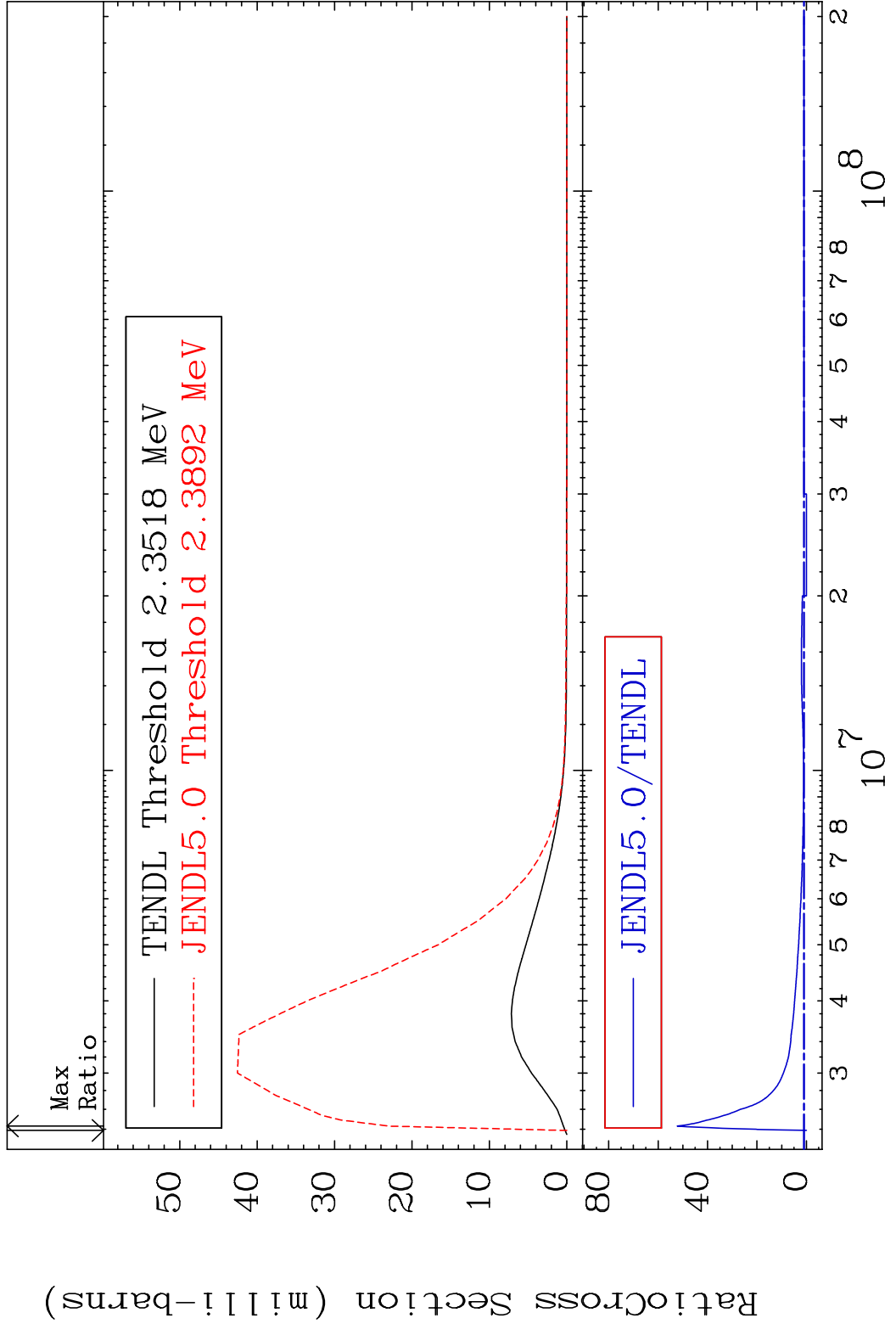
26-Fe-59

MAT 2640 MT= 71 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 72.34 %

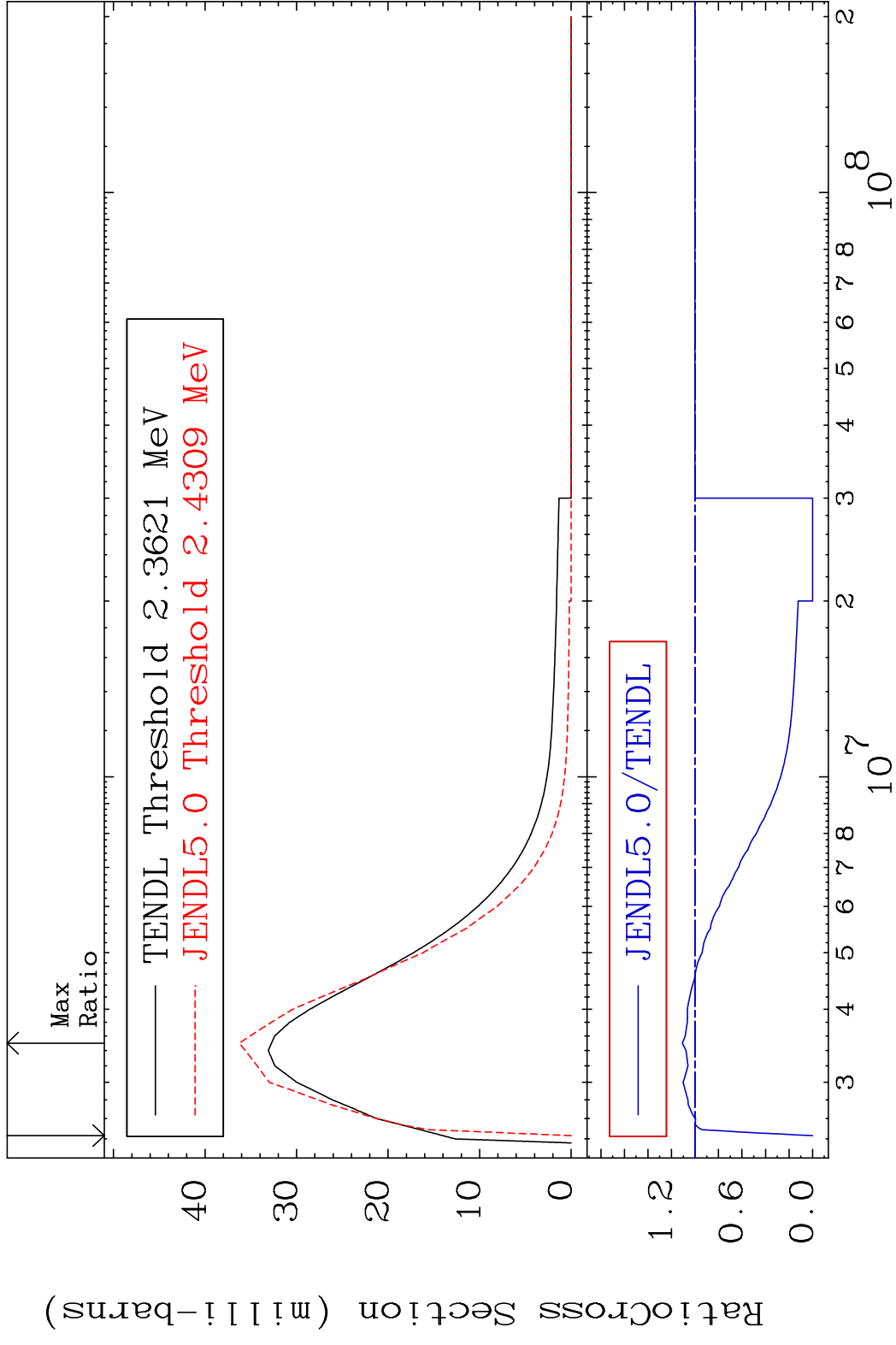




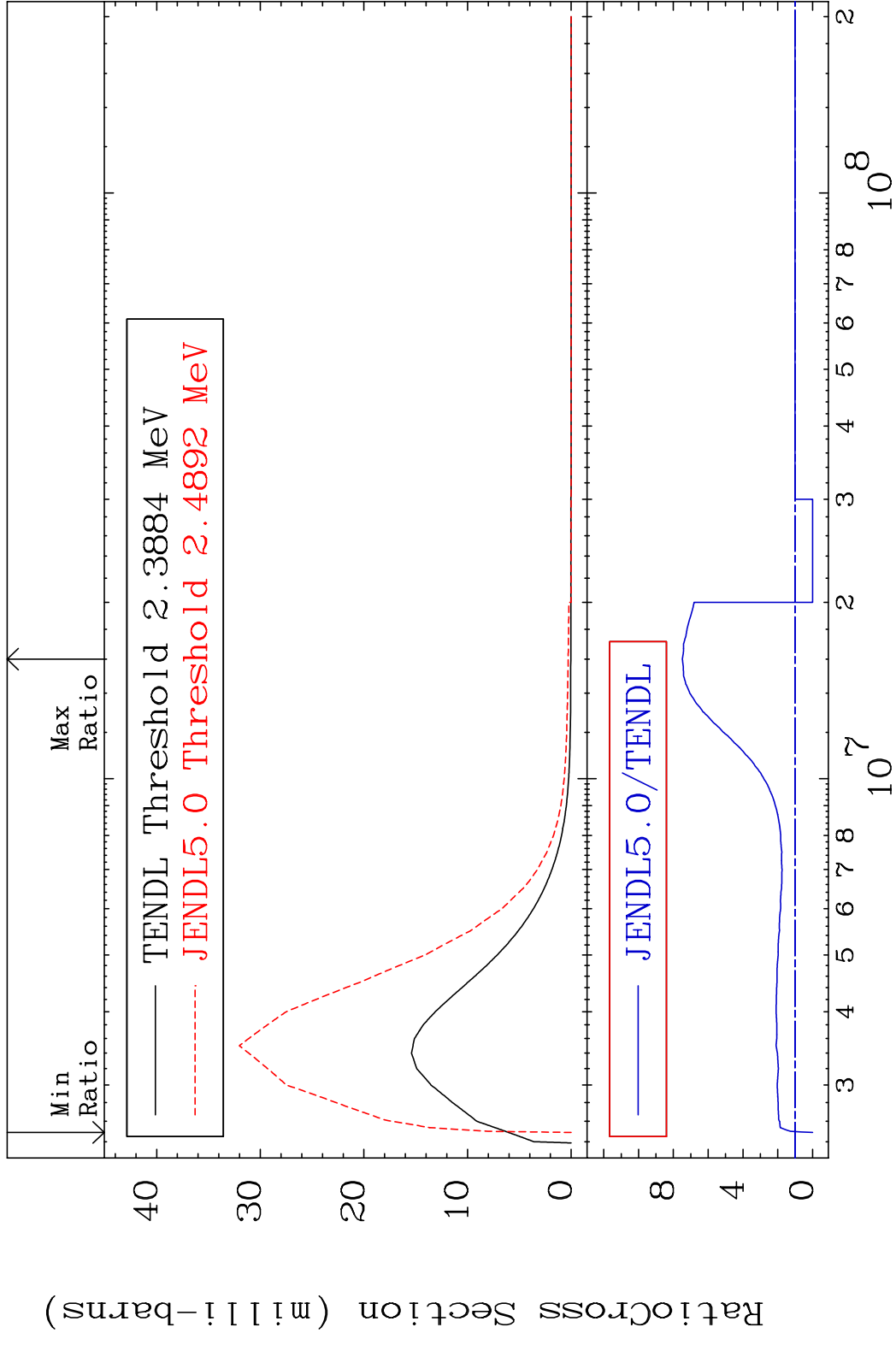
MAT 2640 MT= 72 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 5129. %



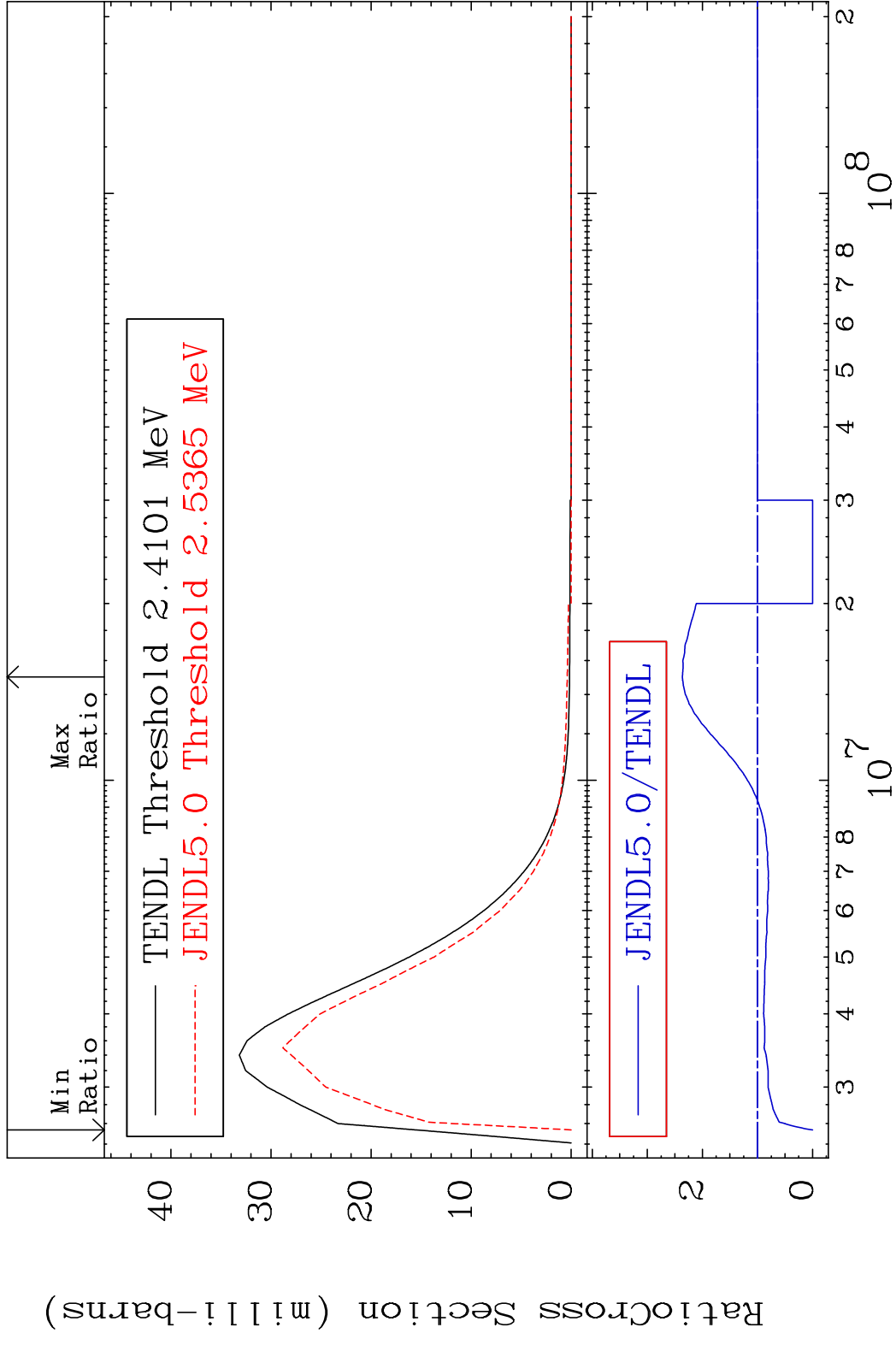
MAT 2640 MT= 73 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 10.72 %



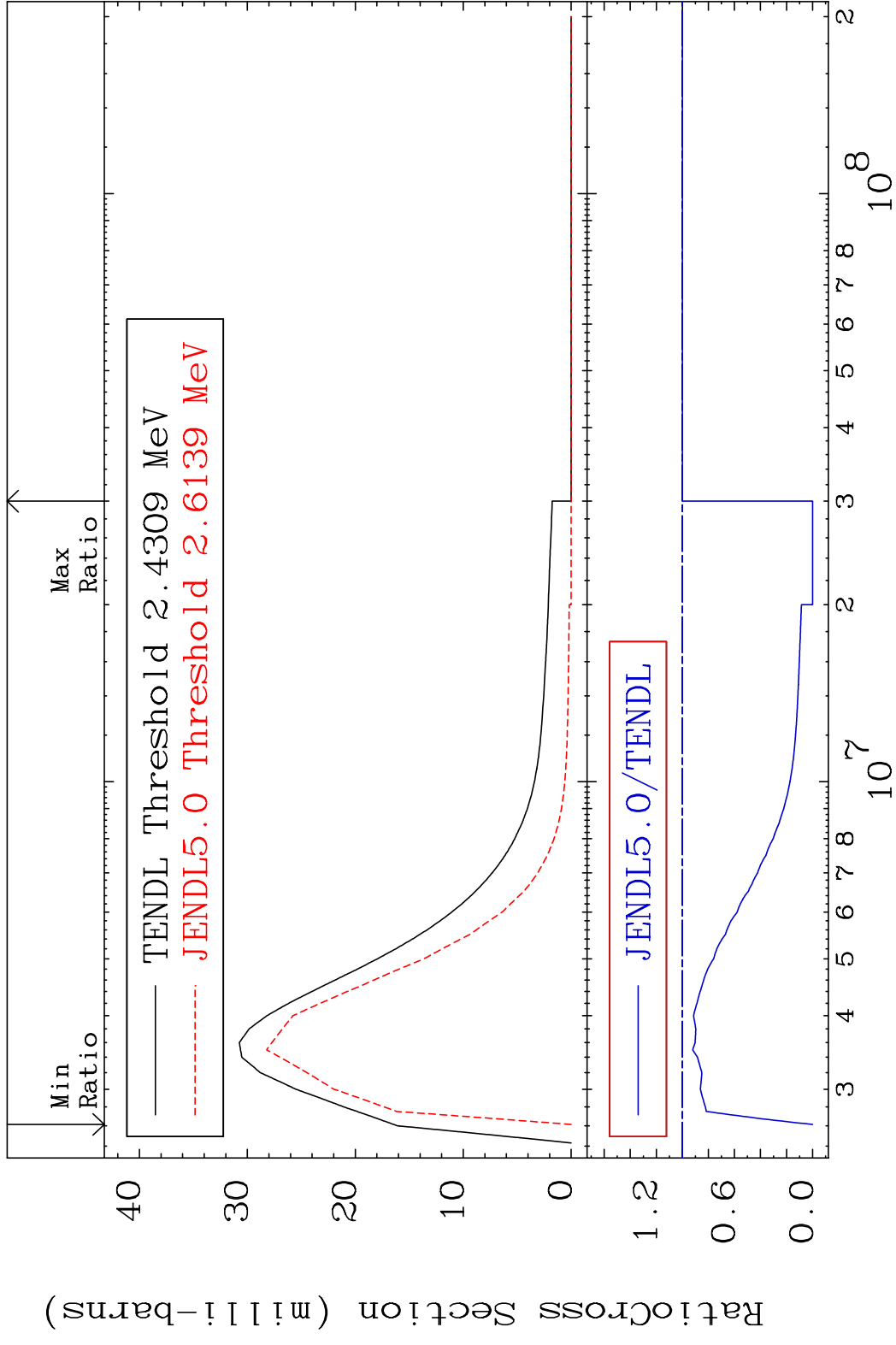
MAT 2640 MT= 74 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 648.3 %



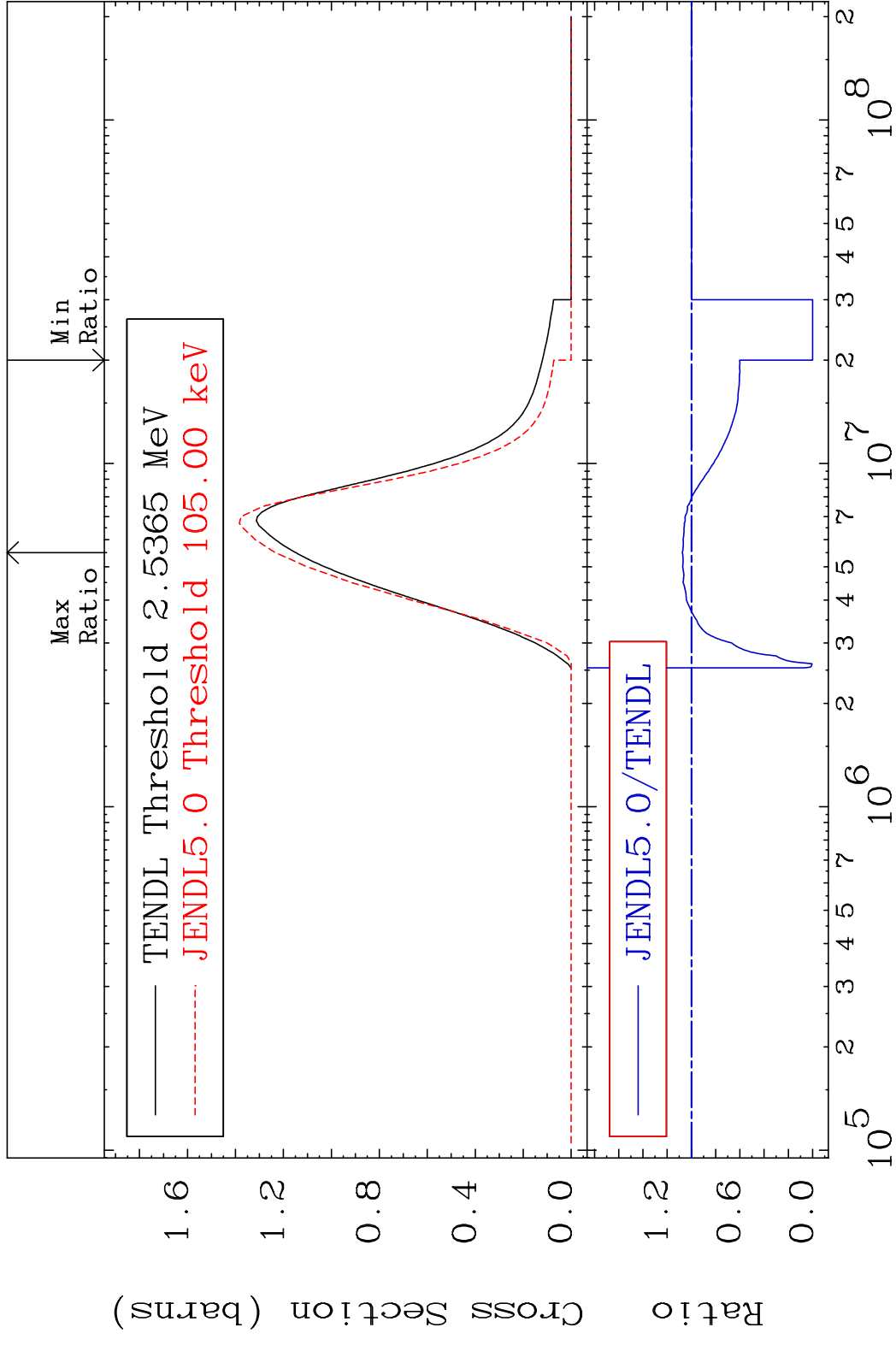
MAT 2640 MT= 75 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 136.4 %



MAT 2640 MT= 76 (n, n') Level 26-Fe-59  
 Cross Section -100.0 To 0.000 %



MAT 2640 (n, n') Continuum 26-Fe-59  
 Cross Section -100.0 To 7.467 %



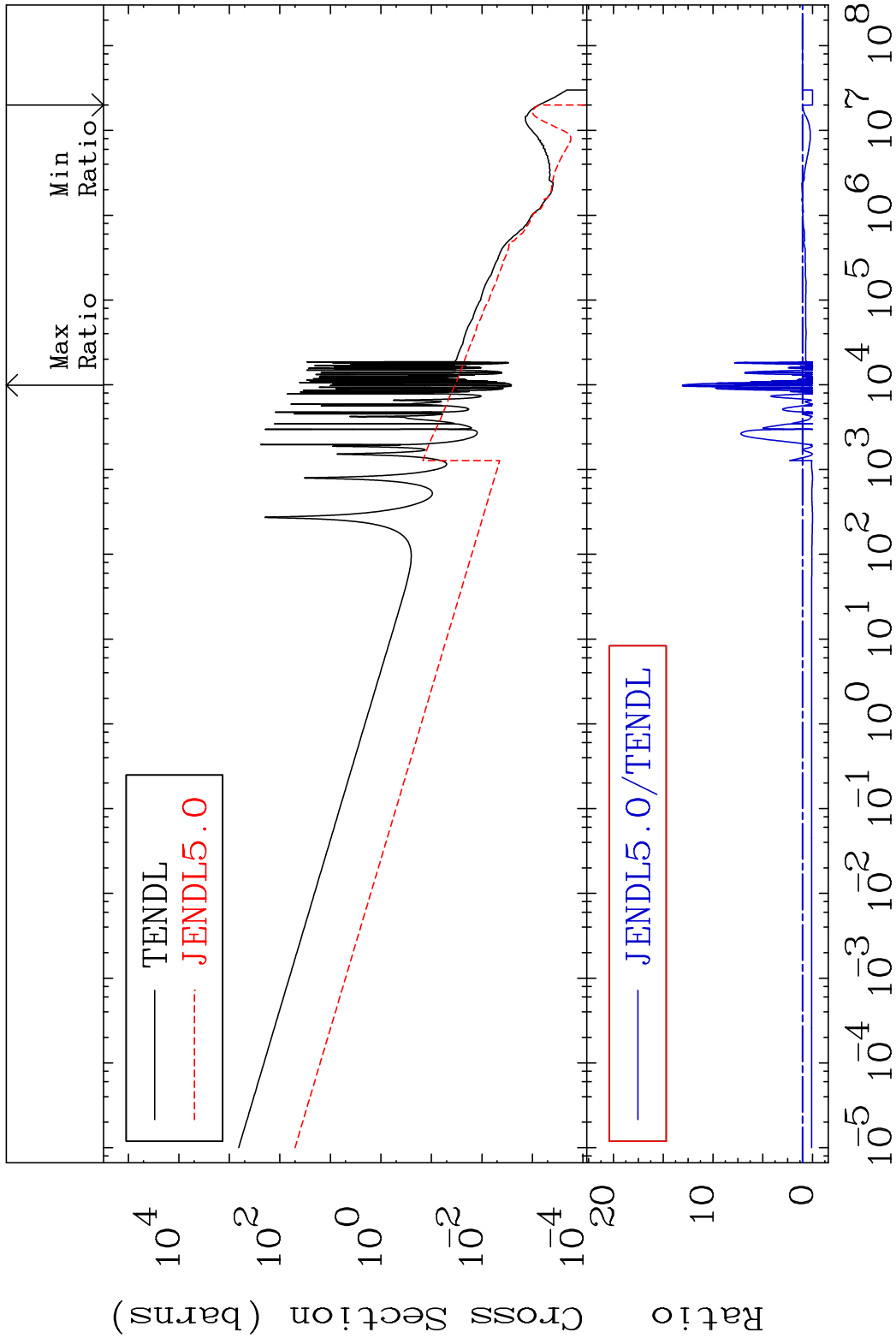
37 Incident Energy (eV) 26-Fe-59

MAT 2640

(n,  $\gamma$ )

26-Fe-59

Cross Section -100.0 To 1210. %

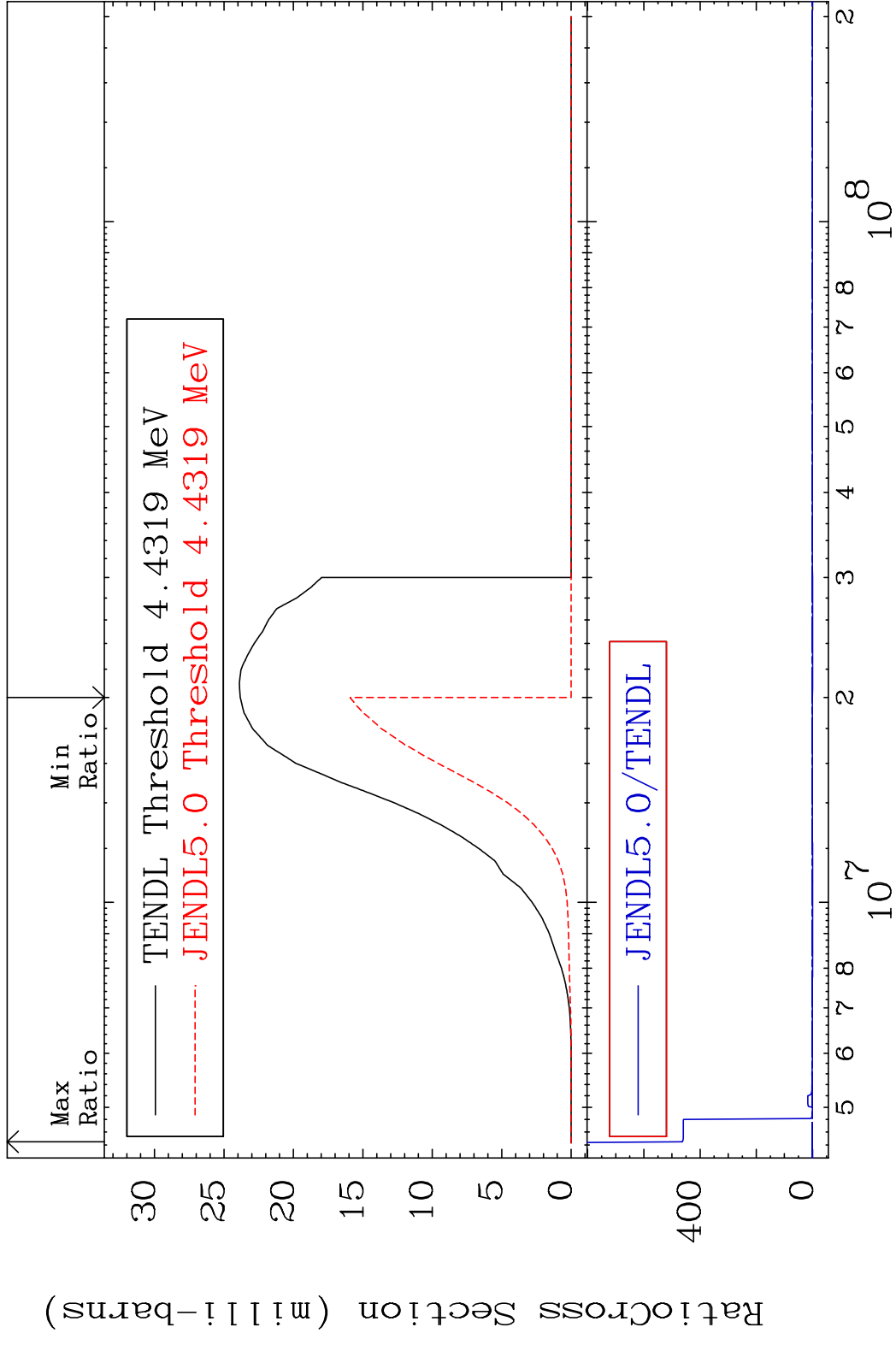


38

Incident Energy (eV)

26-Fe-59

MAT 2640 (n,p) 26-Fe-59  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 26-Fe-59

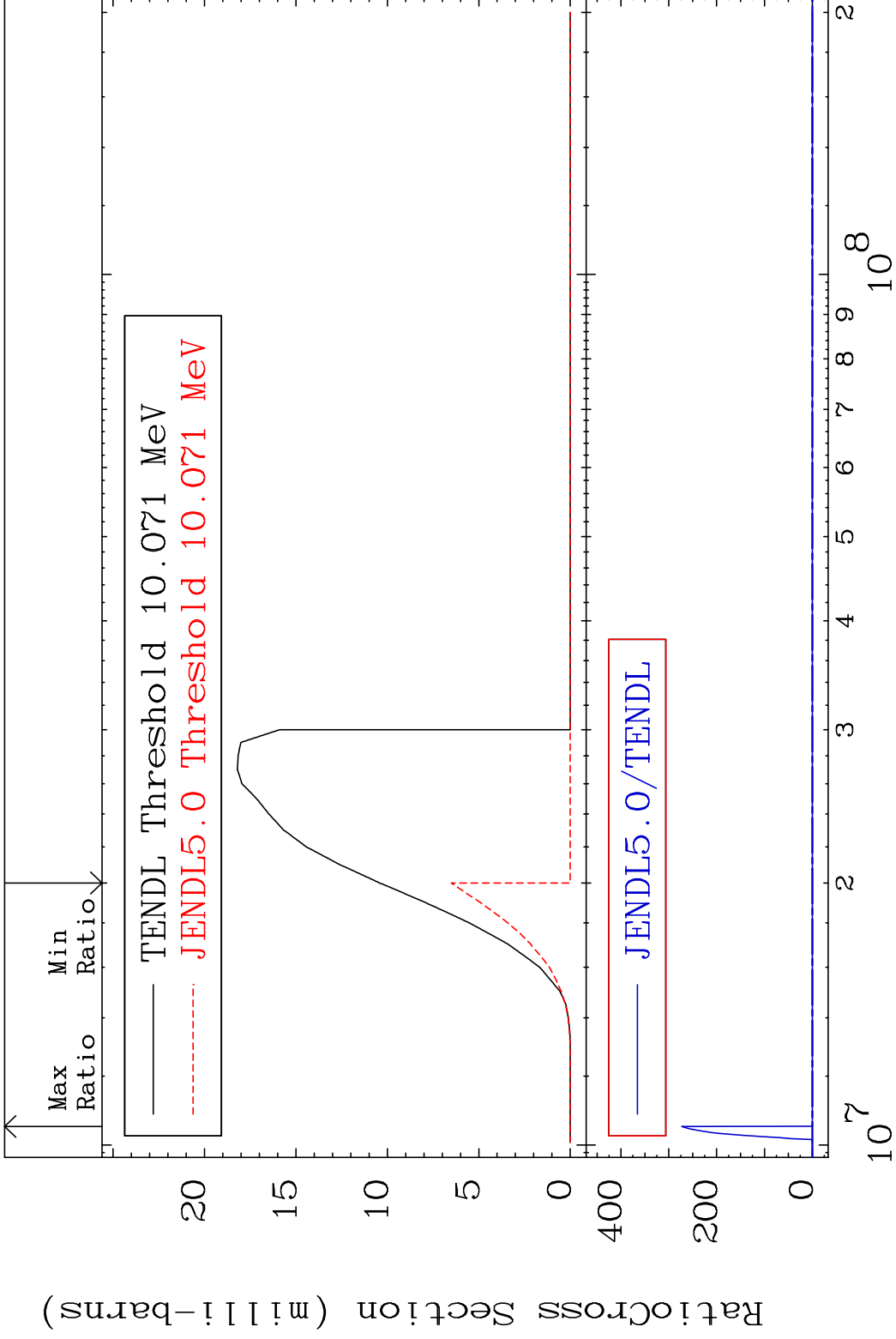


MAT 2640

(n,d)

<sup>26</sup>Fe-59

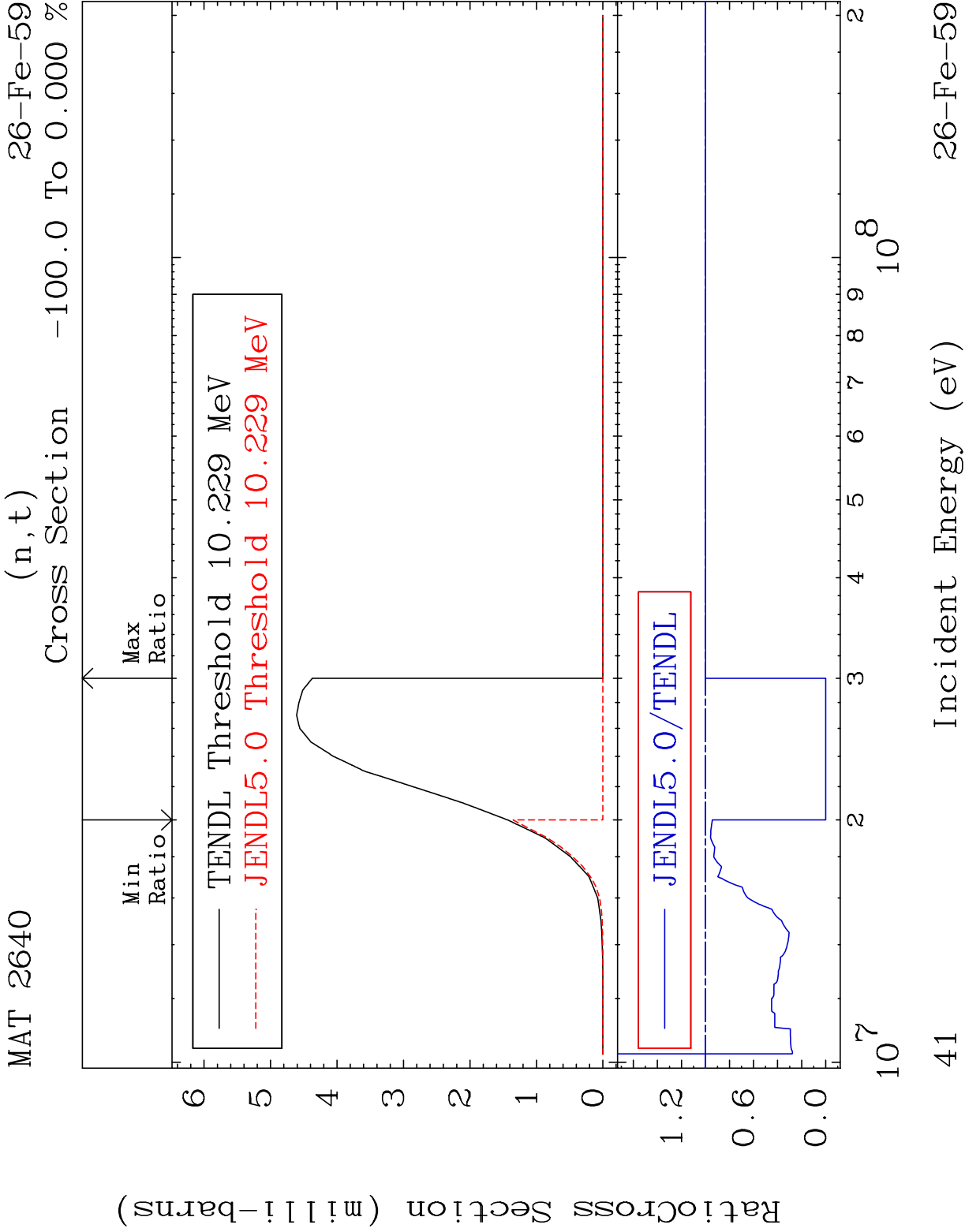
Cross Section -100.0 To 9999. %



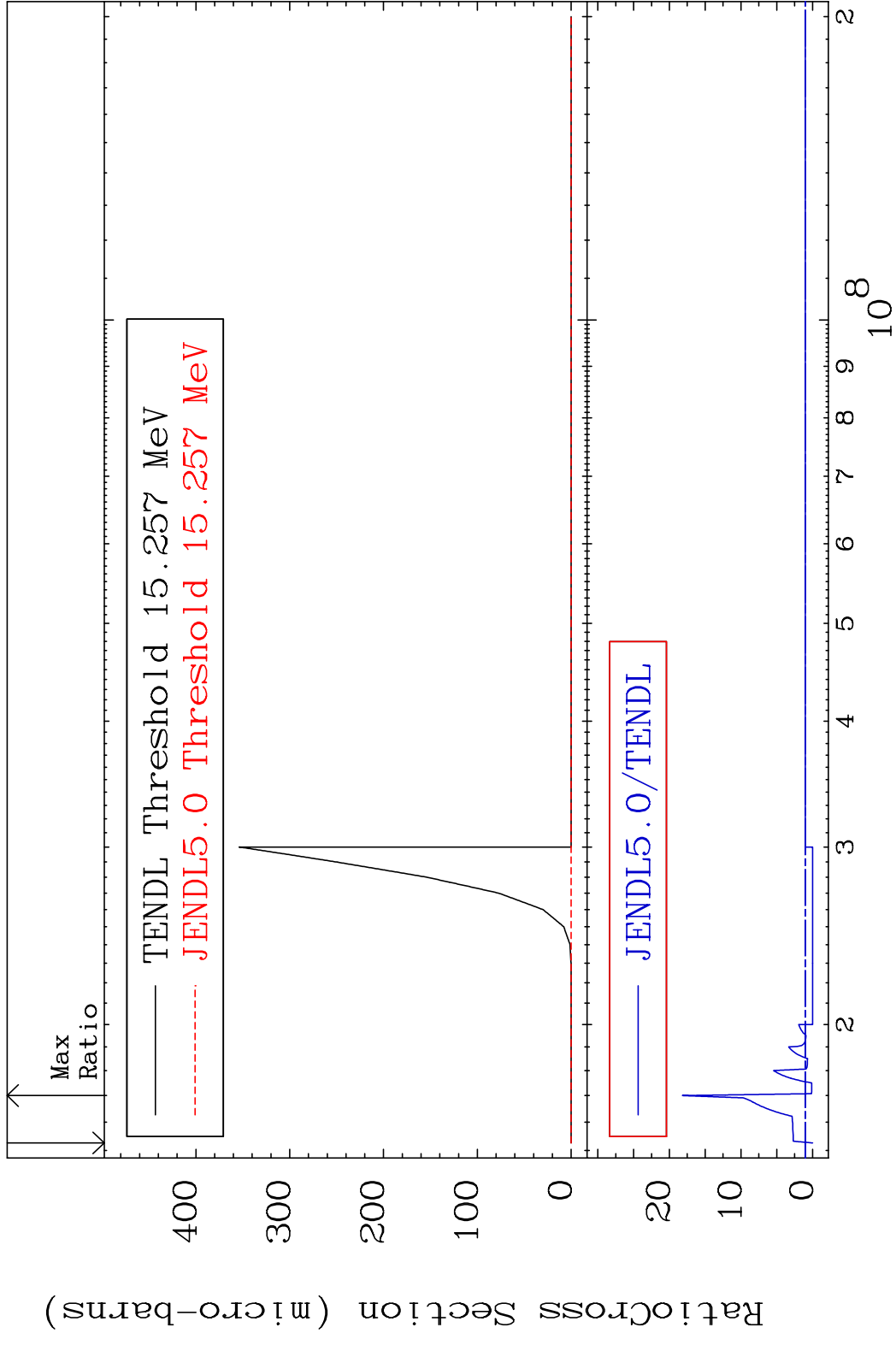
40

Incident Energy (eV)

<sup>26</sup>Fe-59



MAT 2640 (n, He-3) <sup>26</sup>Fe-59  
 Cross Section -100.0 To 1719. %

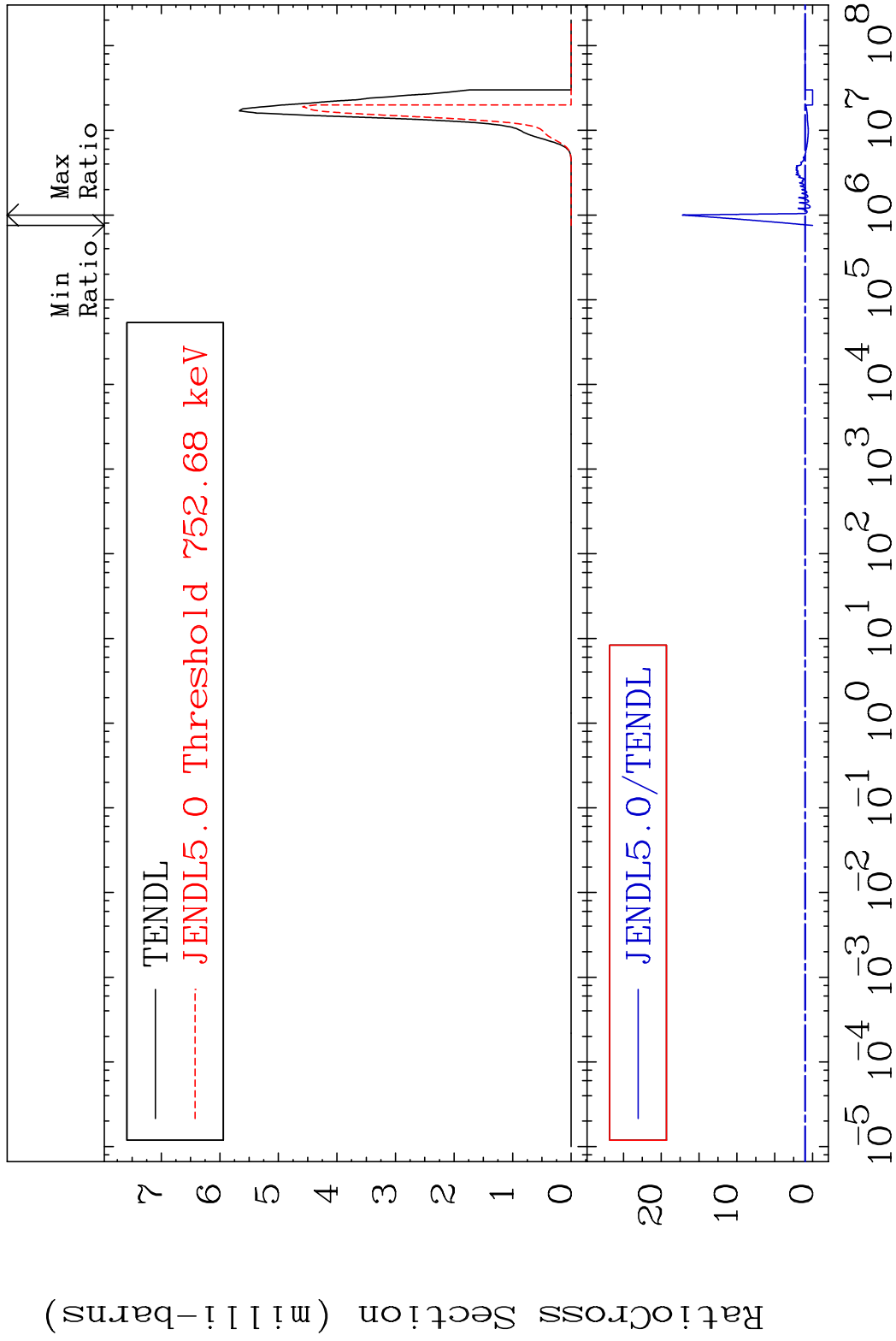


MAT 2640

(n,  $\alpha$ )

26-Fe-59

Cross Section -100.0 To 1621. %



43

Incident Energy (eV)

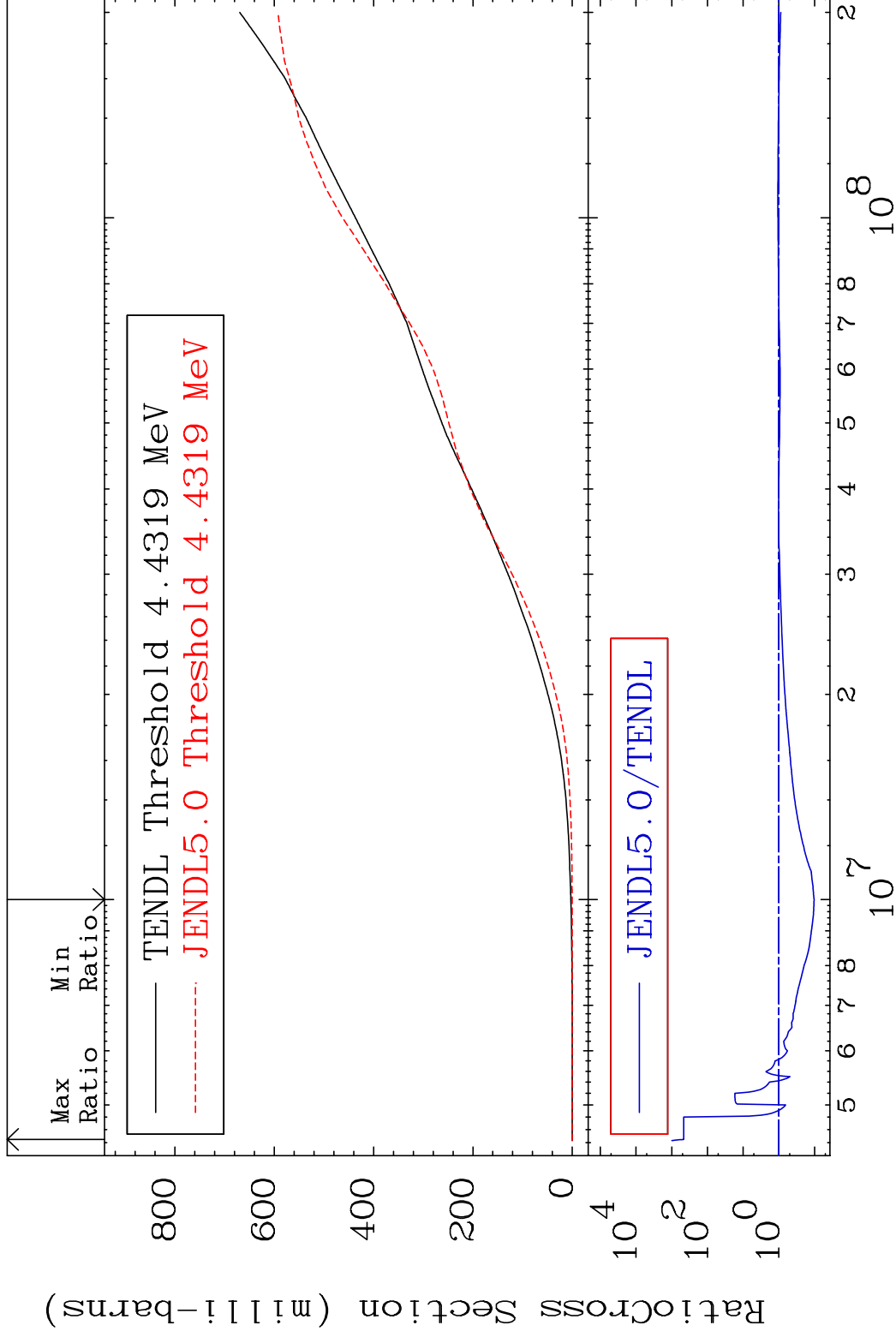
26-Fe-59

MAT 2640

Hydrogen Production

<sup>26</sup>Fe-59

Cross Section -89.70 To 9999. %



44

Incident Energy (eV)

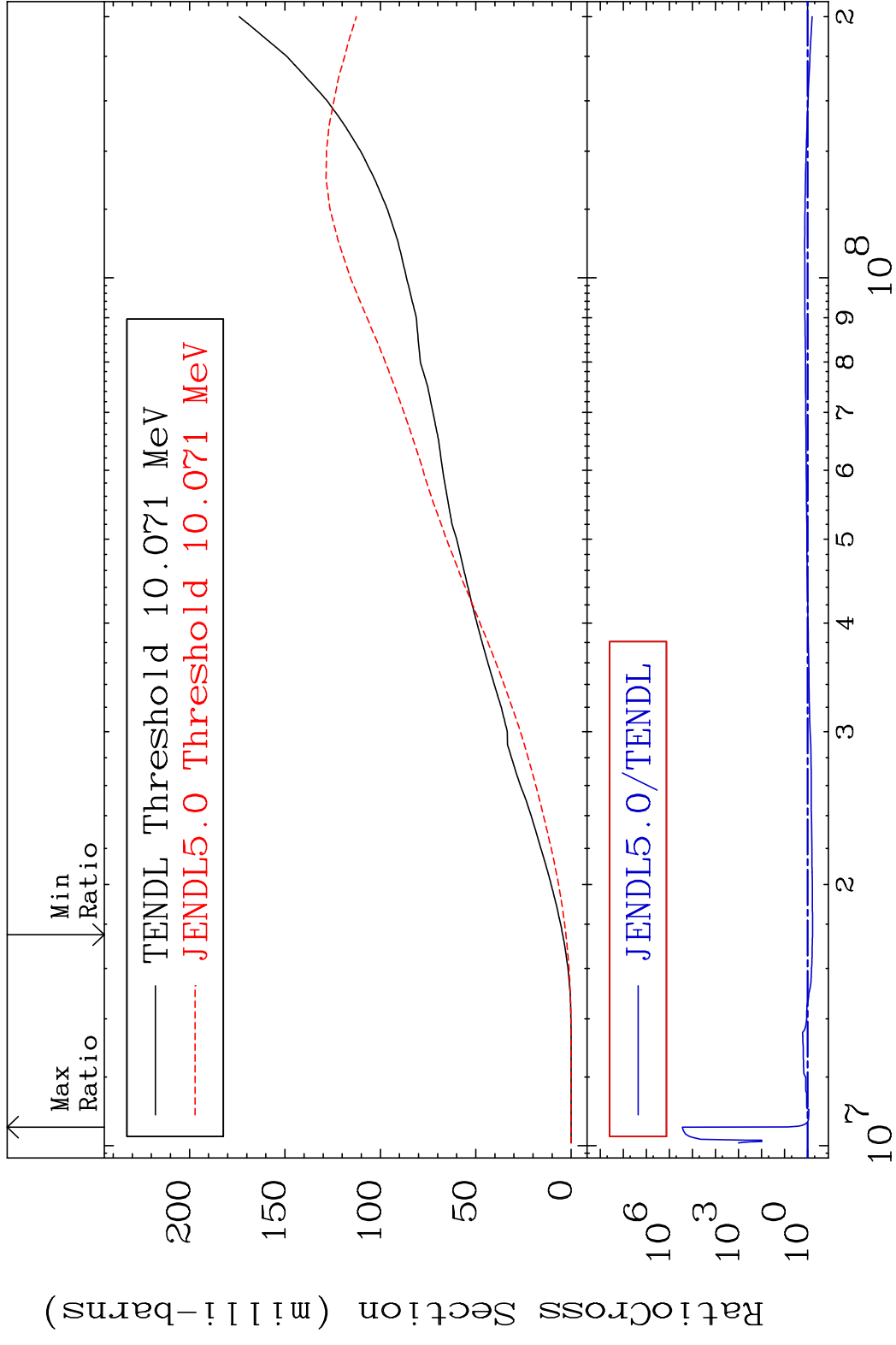
<sup>26</sup>Fe-59

MAT 2640

Deuterium Production

<sup>26</sup>Fe-59

Cross Section -38.49 To 9999. %

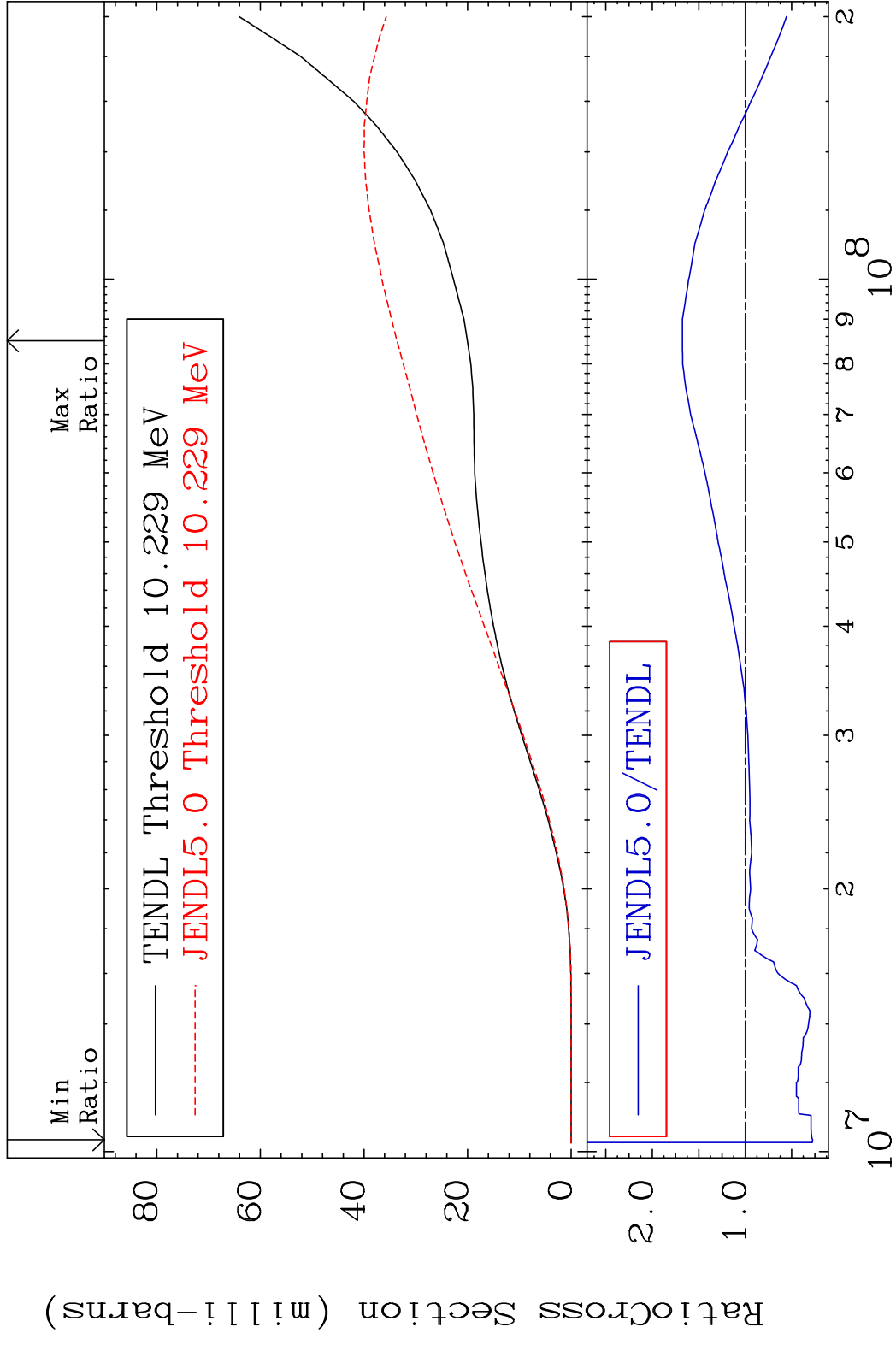


45

Incident Energy (eV)

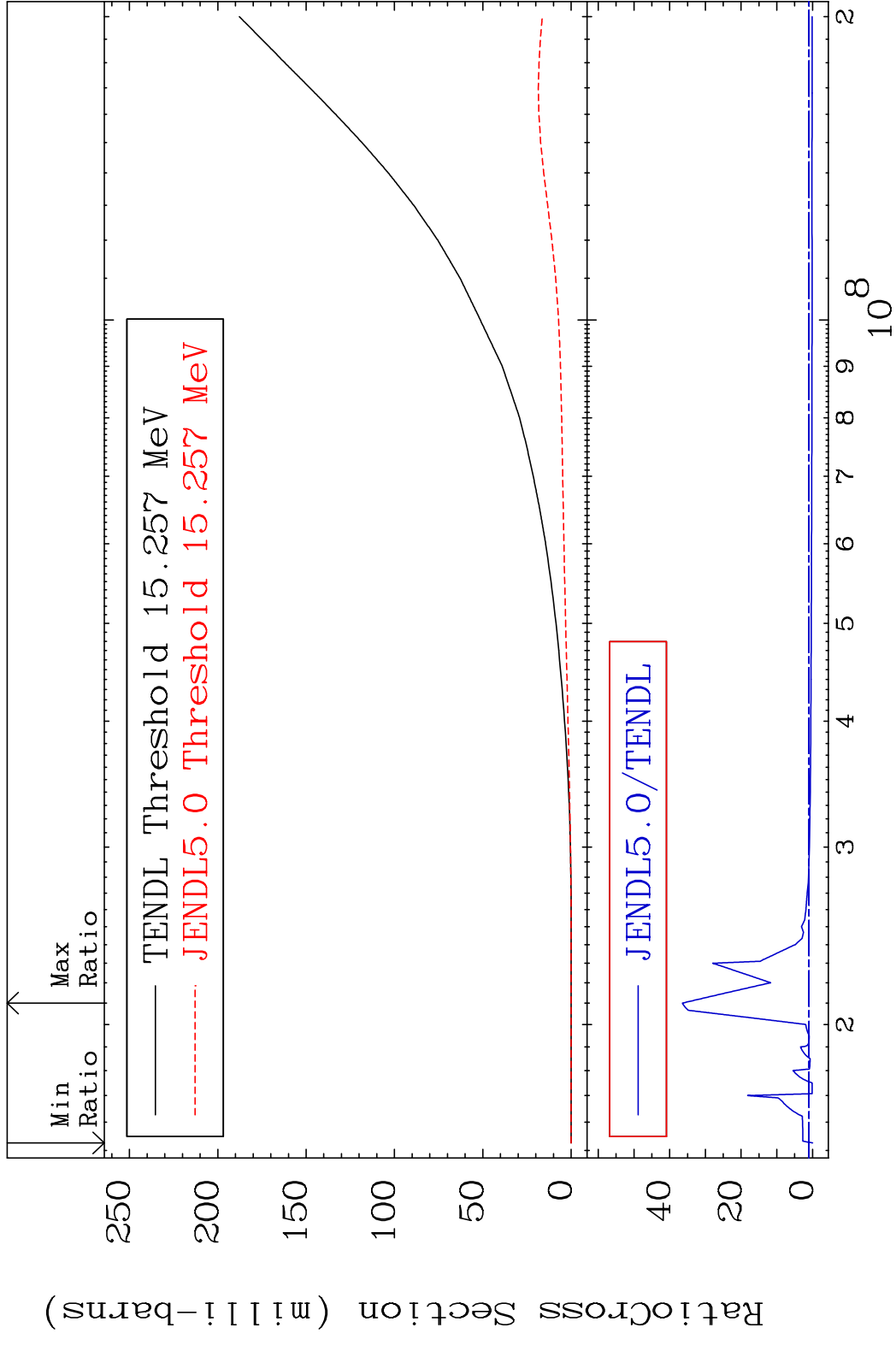
<sup>26</sup>Fe-59

MAT 2640 Tritium Production 26-Fe-59  
 Cross Section -72.38 To 67.59 %



46 Incident Energy (eV) 26-Fe-59

MAT 2640 He-3 Production 26-Fe-59  
 Cross Section -100.0 To 3545. %



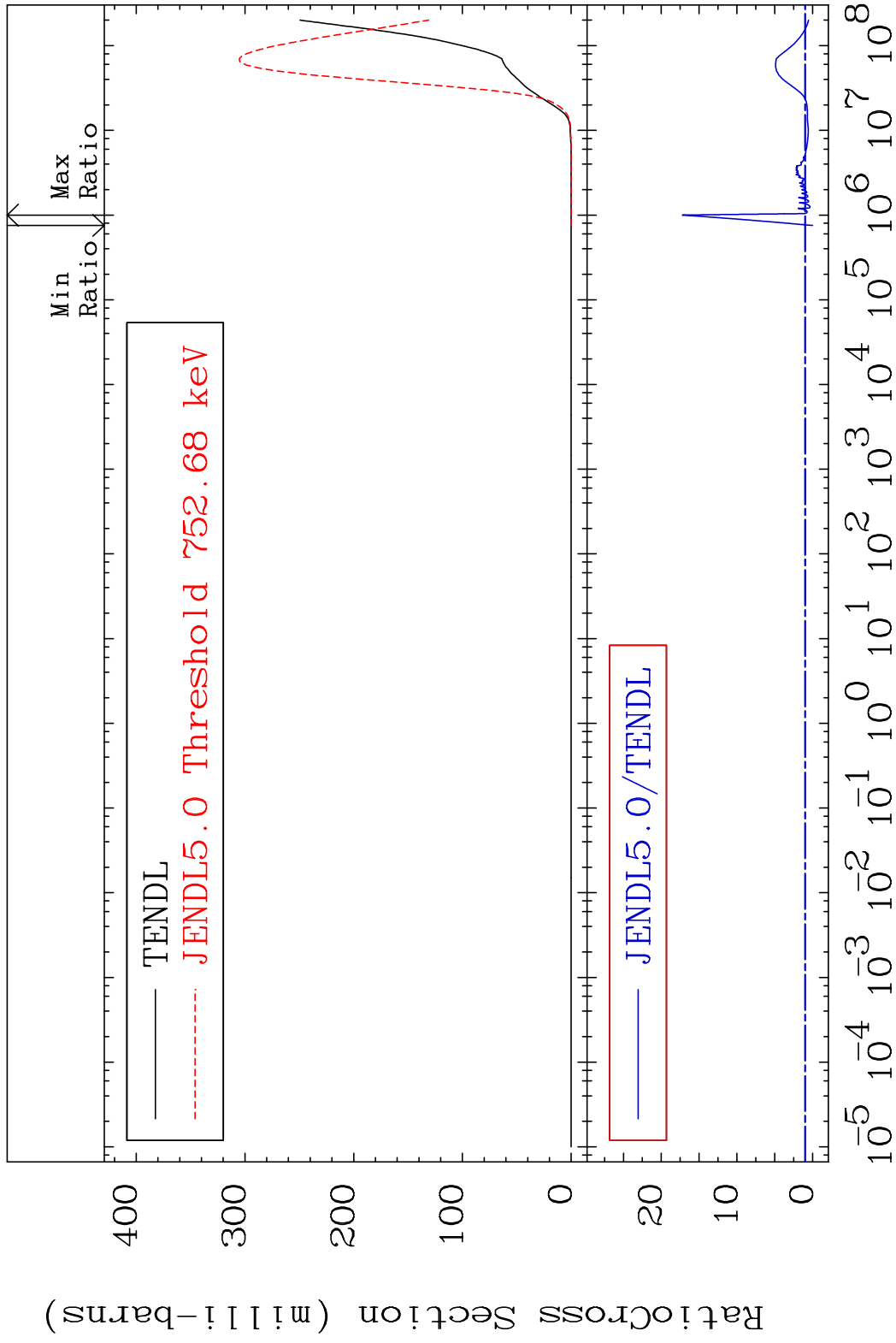


MAT 2640

He-4 Production

<sup>26</sup>Fe-59

Cross Section -100.0 To 1621. %

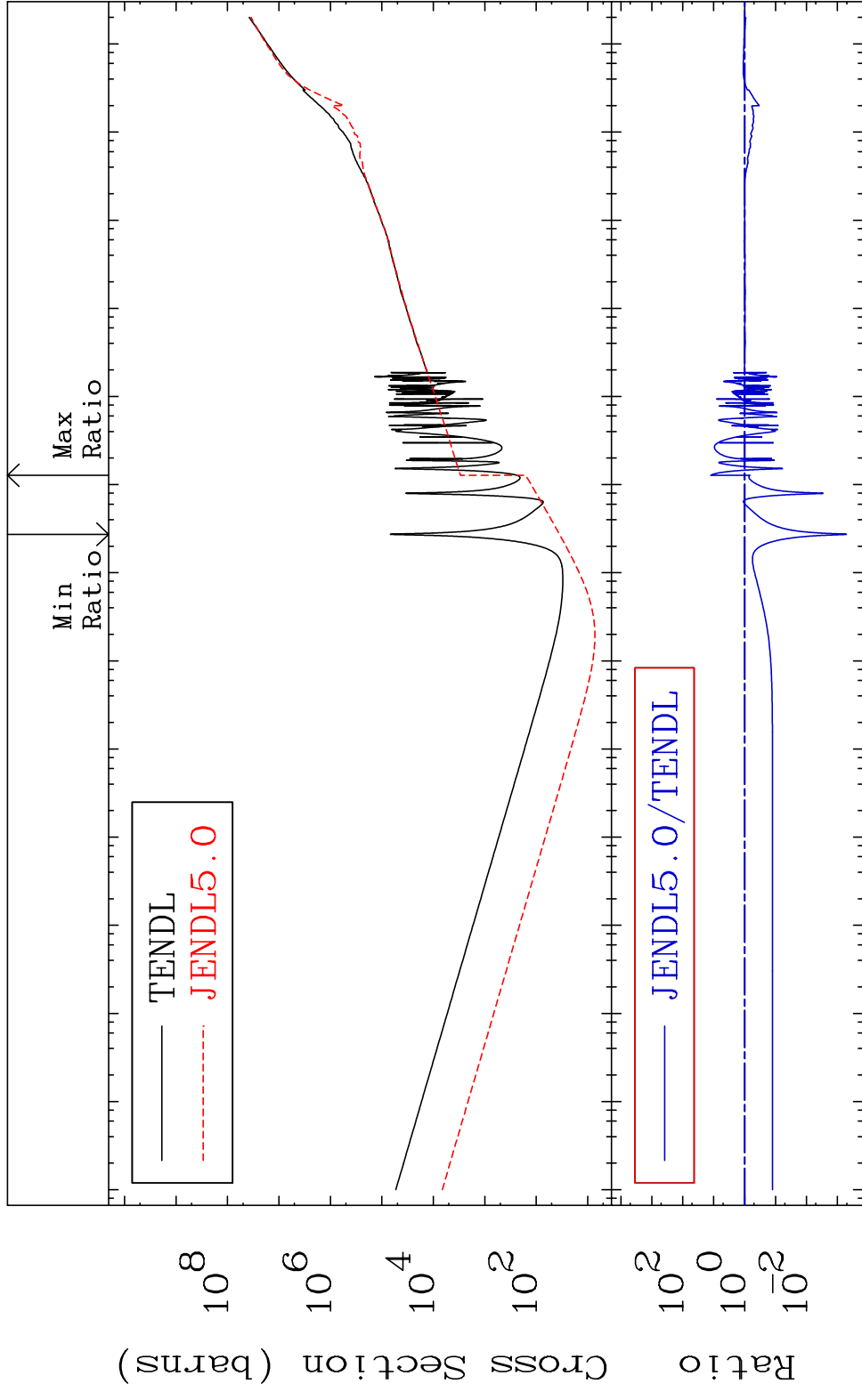


48

Incident Energy (eV)

<sup>26</sup>Fe-59

MAT 2640 Kerma total (eV-barns) 26-Fe-59  
 Cross Section -99.95 To 1149. %



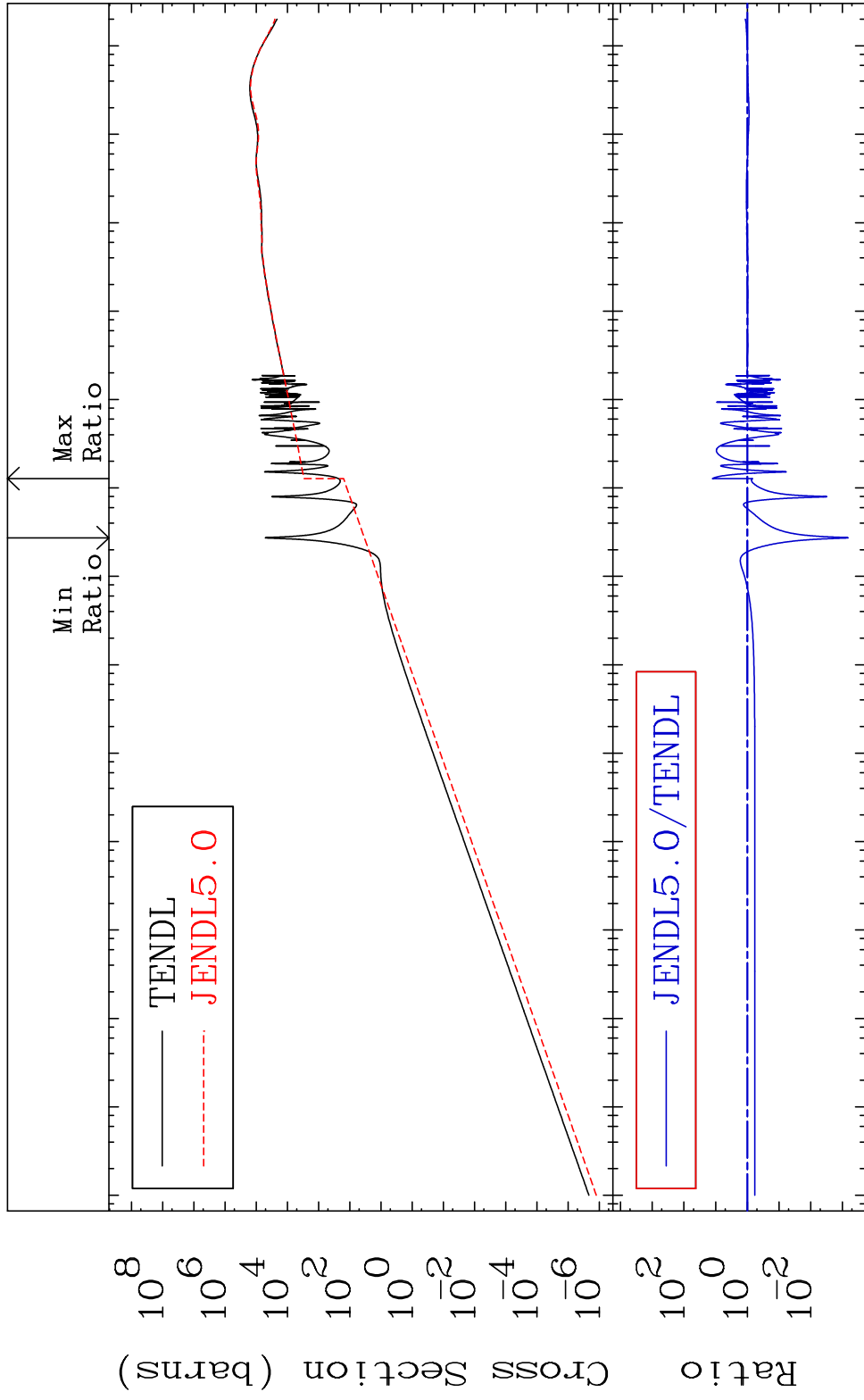
49 Incident Energy (eV) 26-Fe-59

MAT 2640

Kerma elastic

26-Fe-59

Cross Section -99.93 To 1169. %



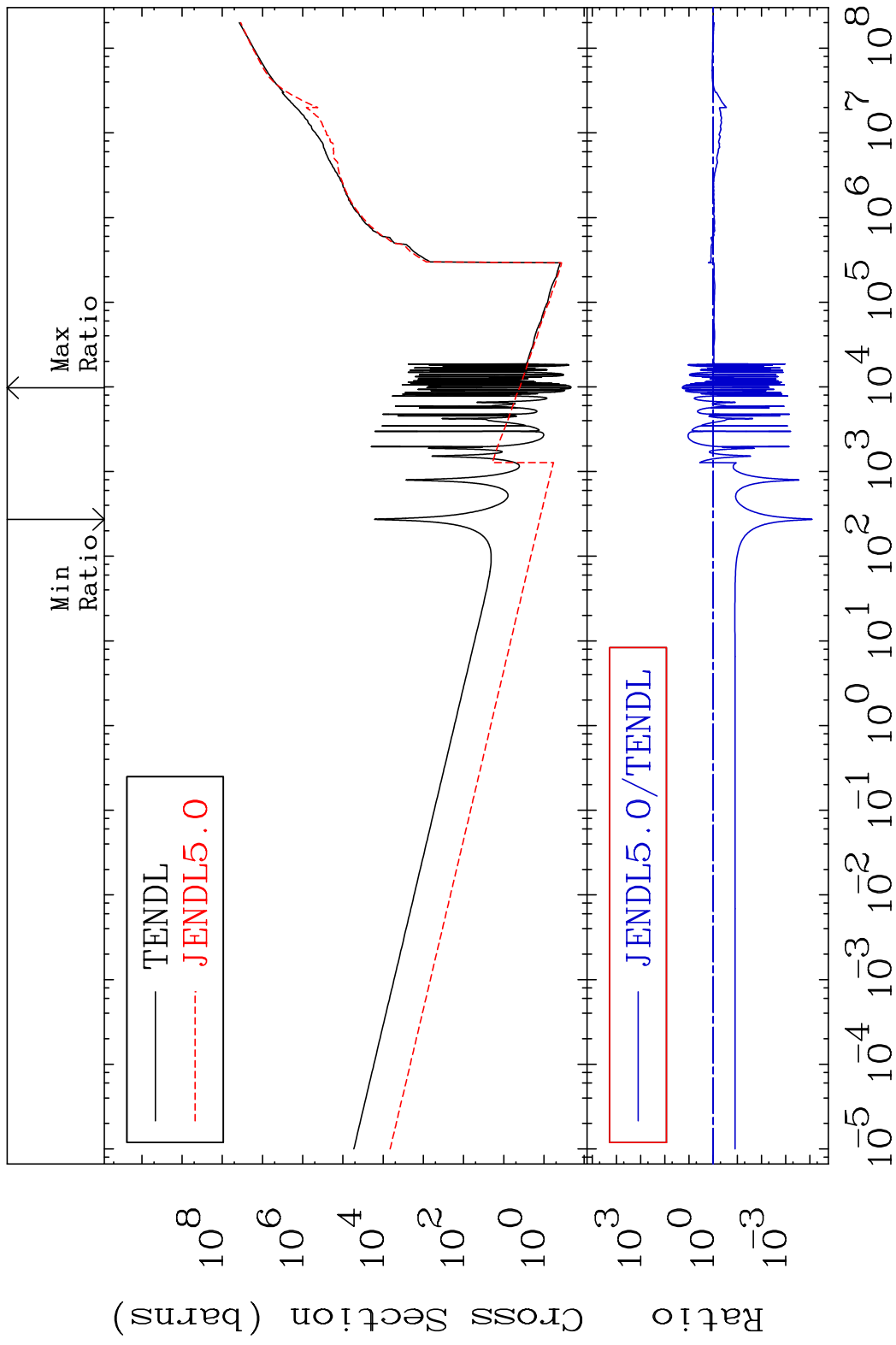
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

50

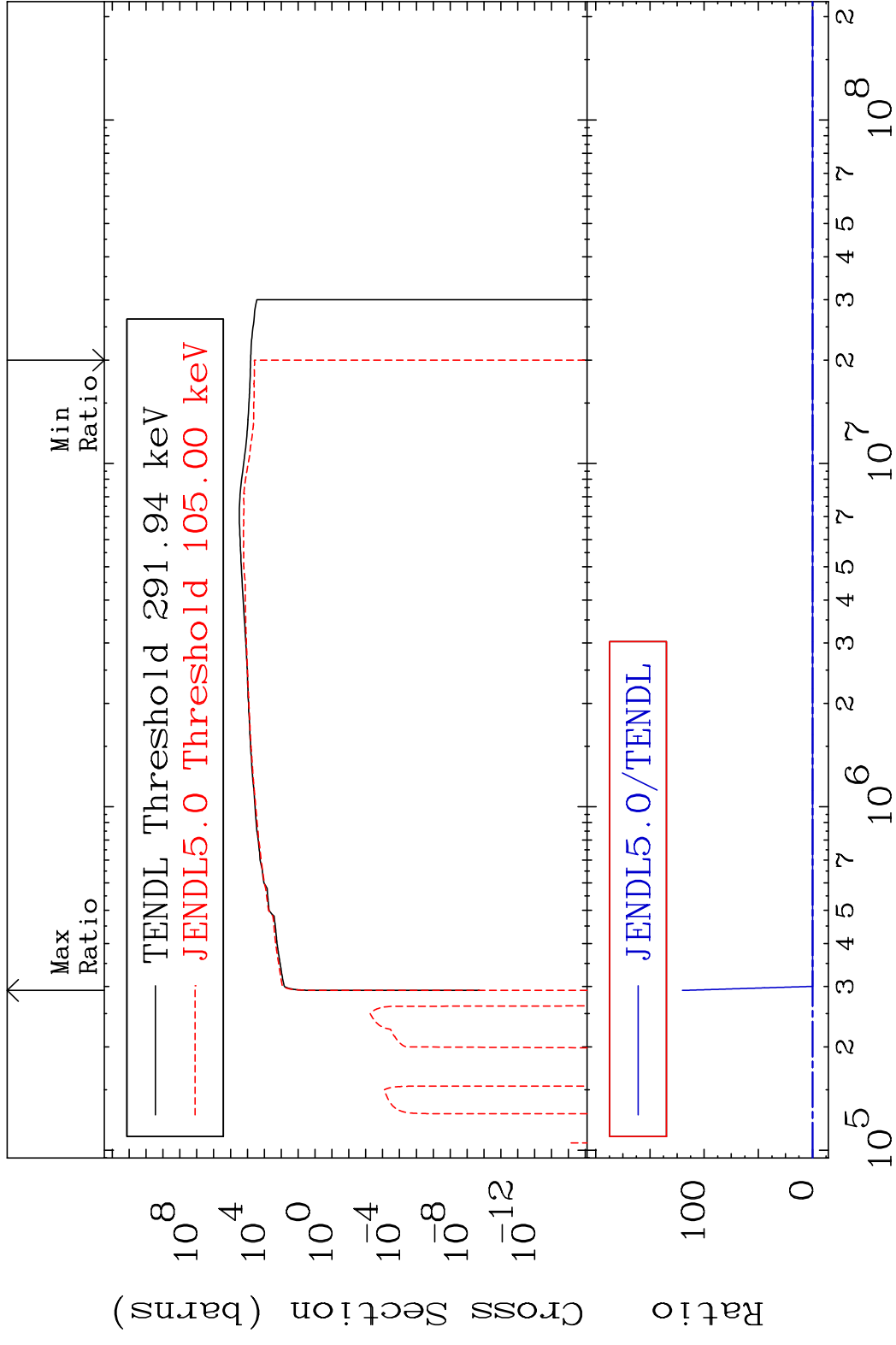
Incident Energy (eV)

26-Fe-59

MAT 2640 Kerma non-elastic (all but mt2) 26-Fe-59  
 Cross Section -99.99 To 1789. %

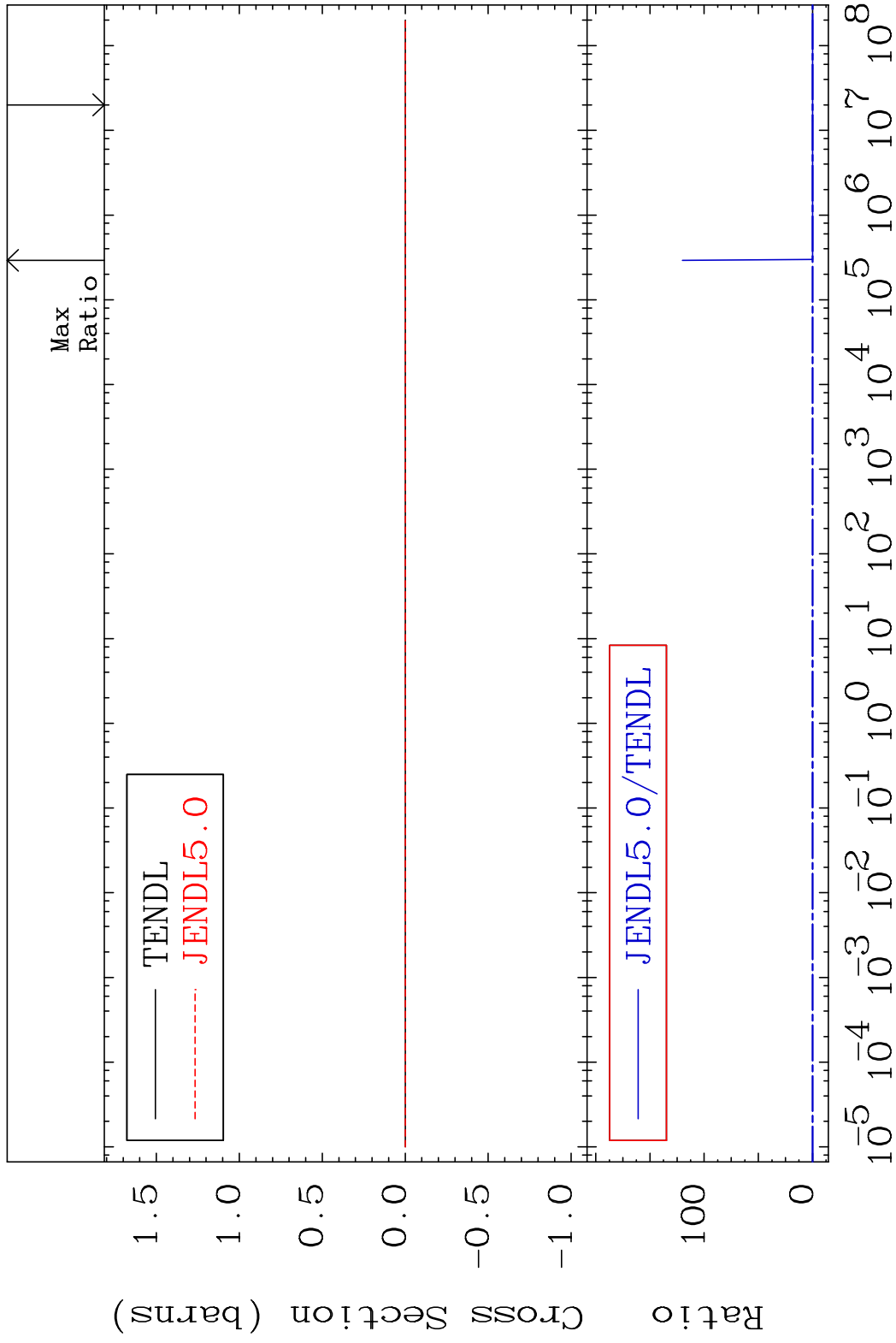


MAT 2640 Kerma inelastic (mt51-91) 26-Fe-59  
 Cross Section -100.0 To 9999. %

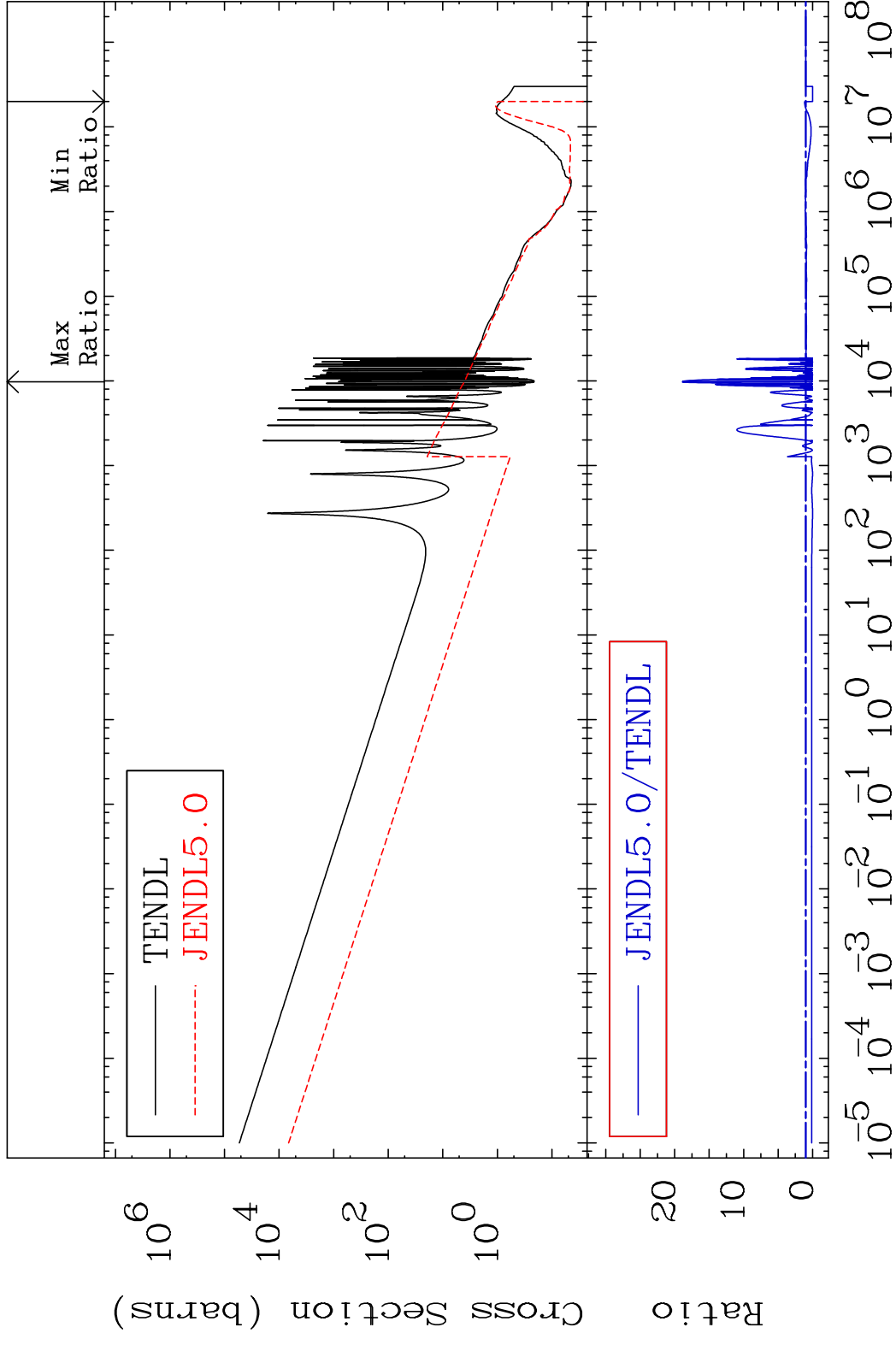


52 Incident Energy (eV) 26-Fe-59

MAT 2640 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-59  
 Cross Section -100.0 To 9999. %

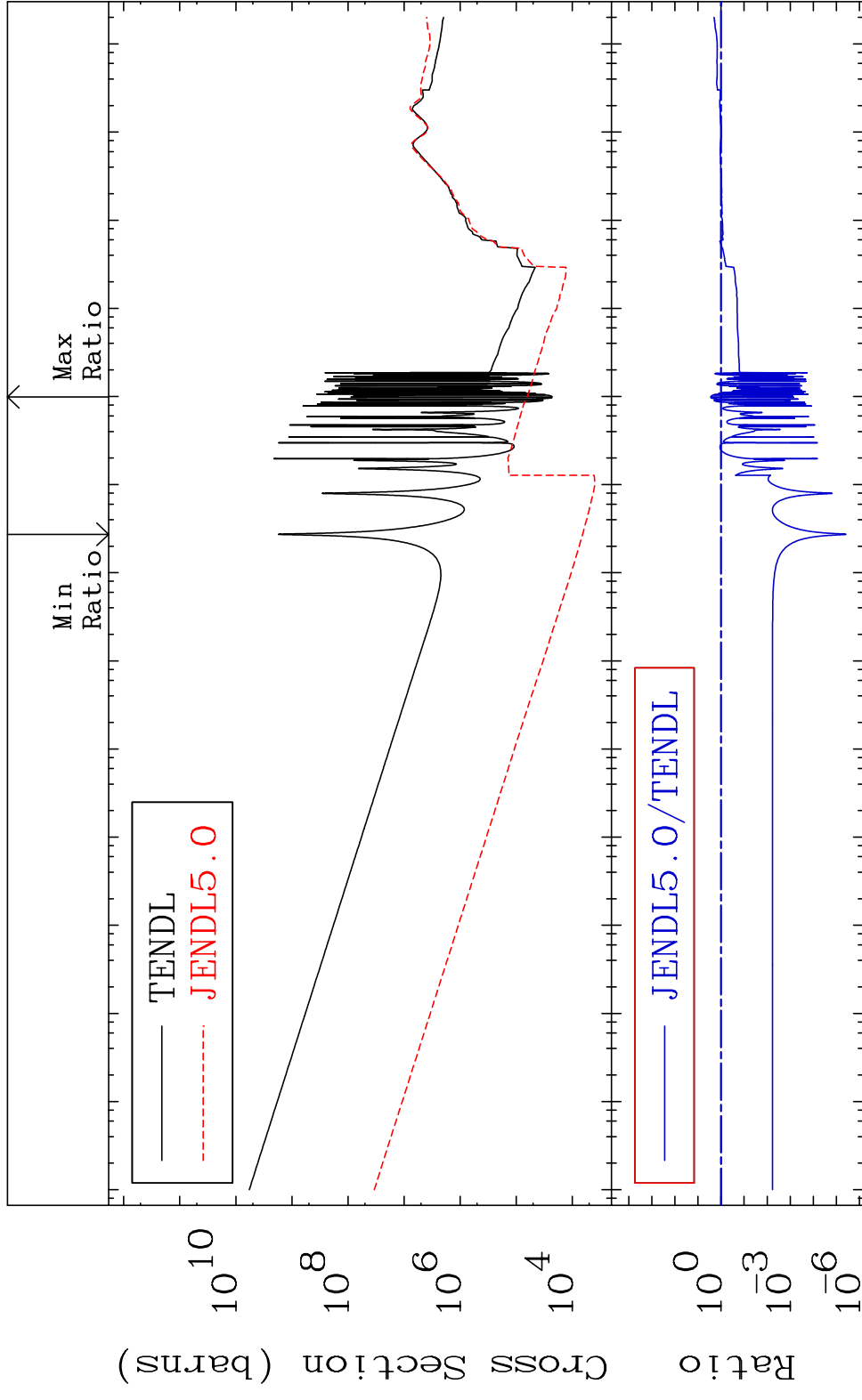


MAT 2640 Kerma capture (mt102) 26-Fe-59  
 Cross Section -100.0 To 1789. %



54 Incident Energy (eV) 26-Fe-59

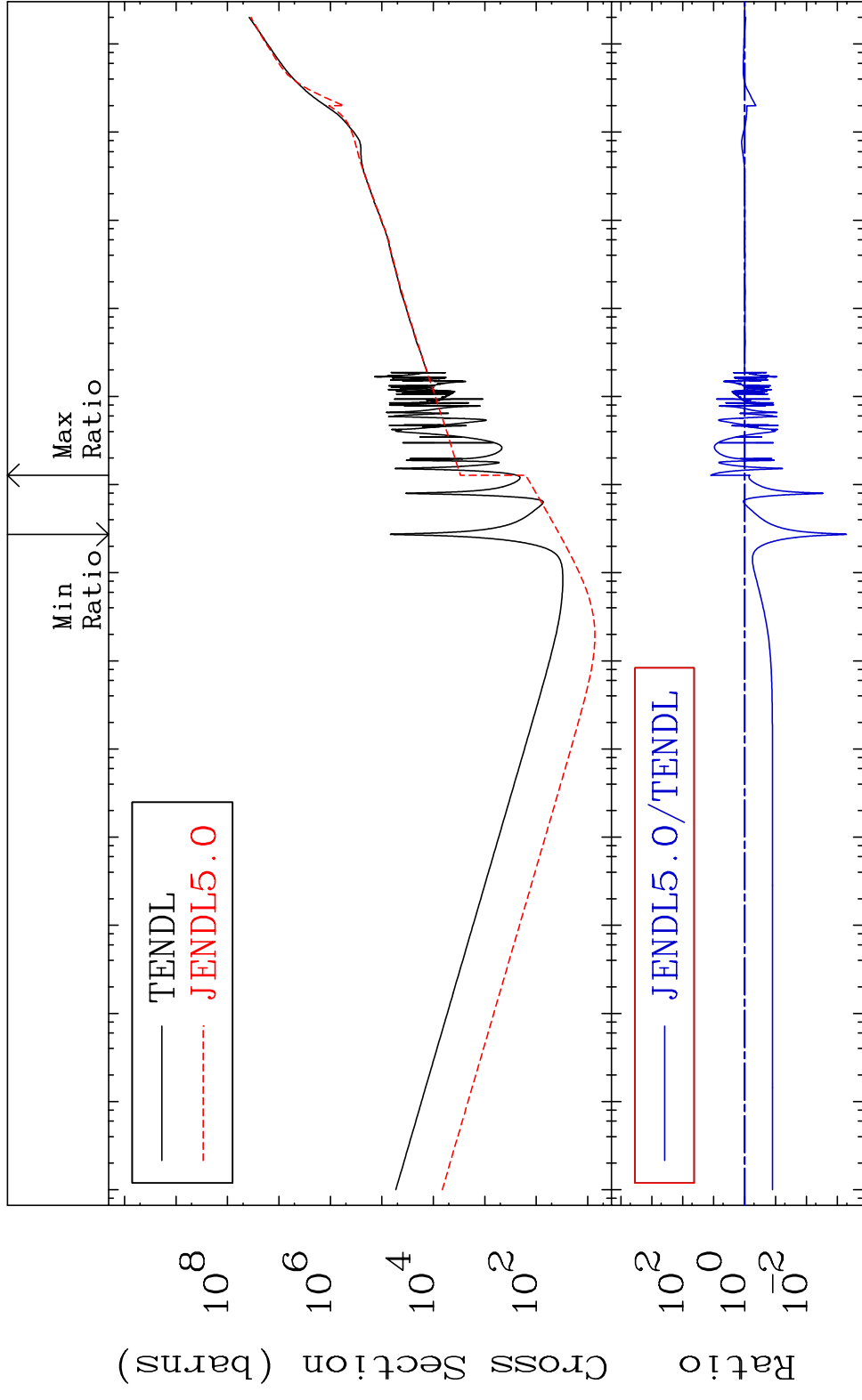
MAT 2640 Total photon (eV-barns) 26-Fe-59  
 Cross Section -100.0 To 180.4 %



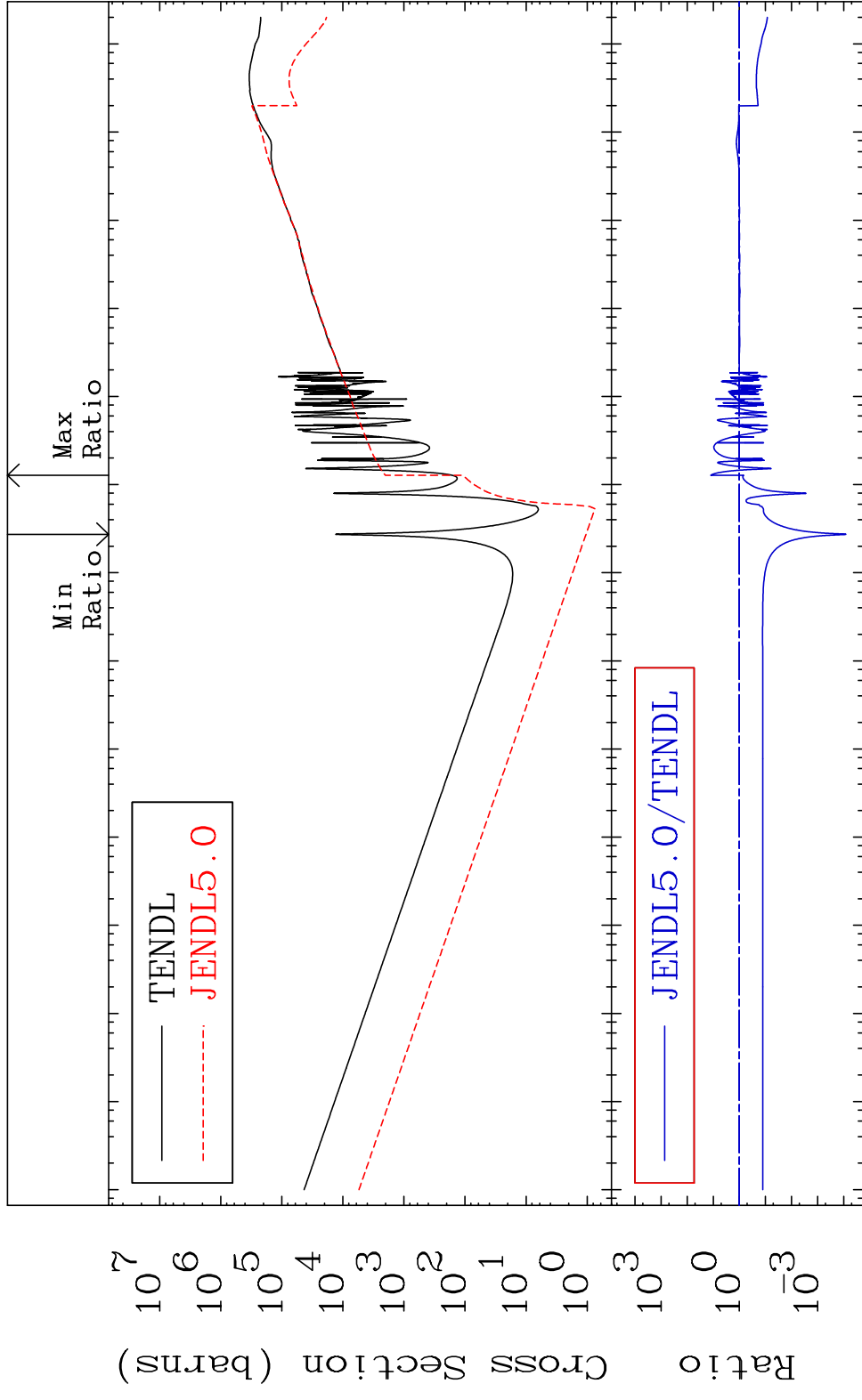
55 Incident Energy (eV) 26-Fe-59



MAT 2640 Total kinematic kerma (high limit) 26-Fe-59  
 Cross Section -99.95 To 1149. %



MAT 2640      Dpa total (eV-barns)      26-Fe-59  
 Cross Section      -99.99 To 1154. %

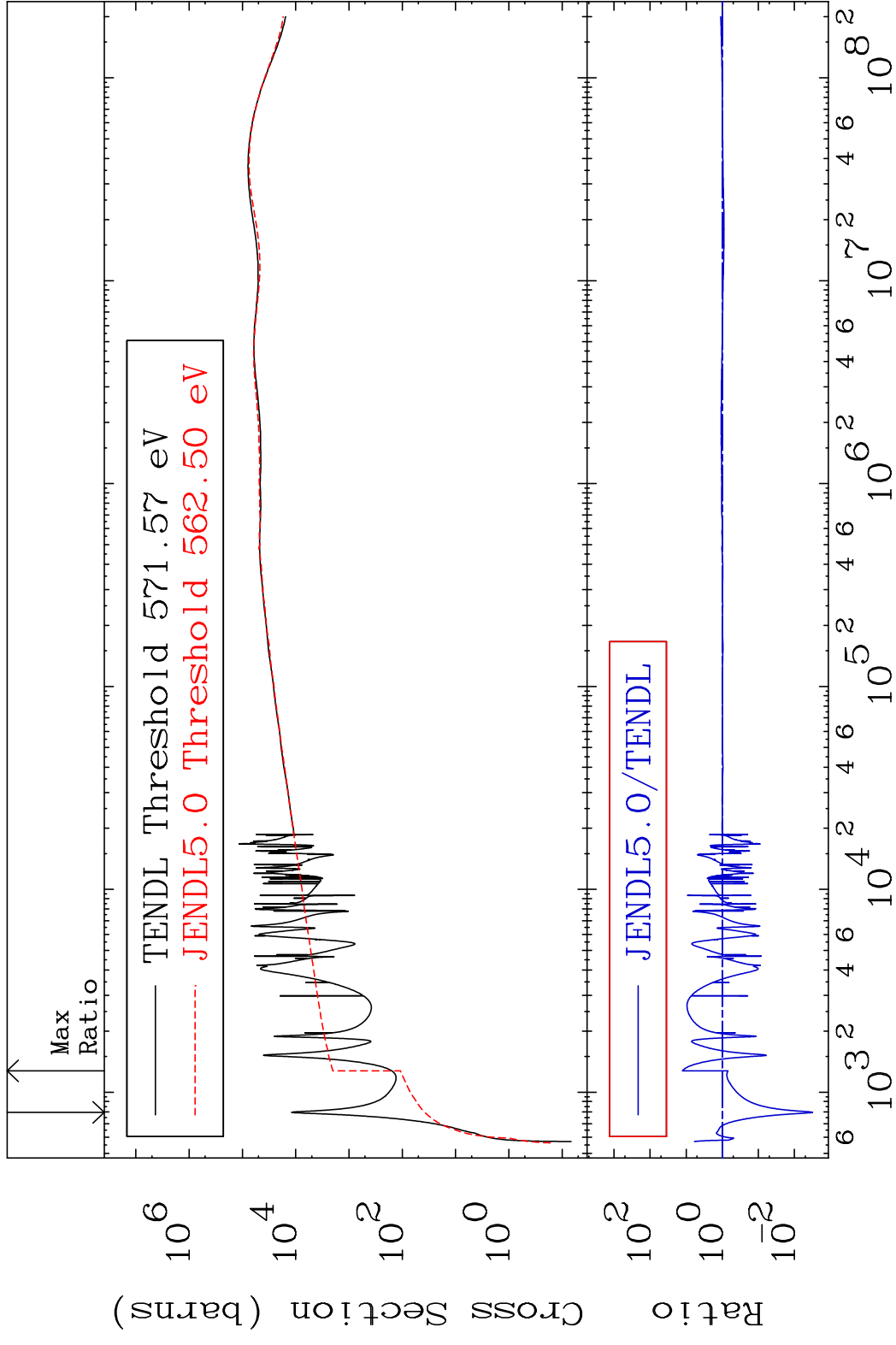


MAT 2640

Dpa elastic (mt2)

26-Fe-59

Cross Section -99.69 To 1178. %

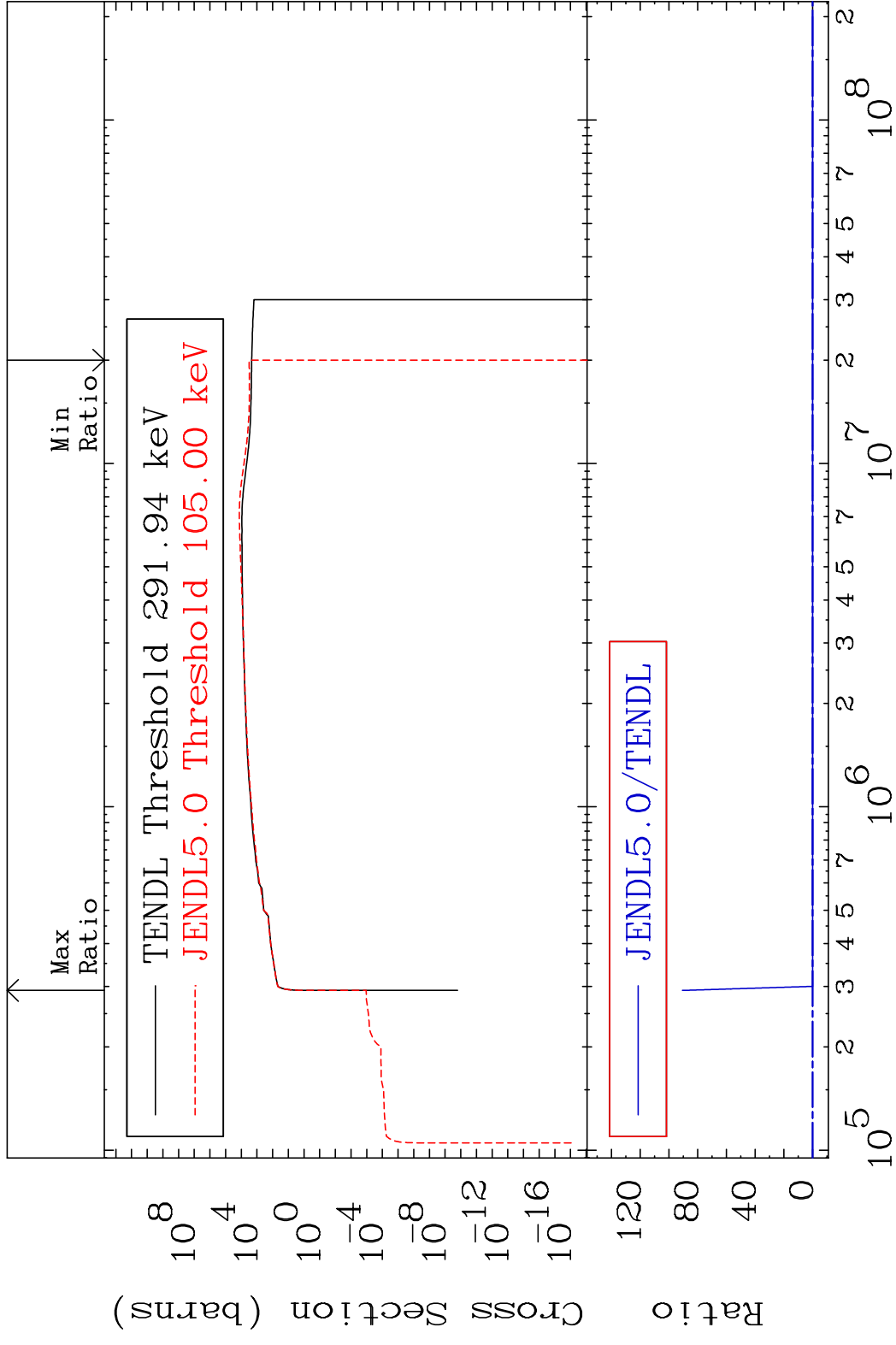


58

Incident Energy (eV)

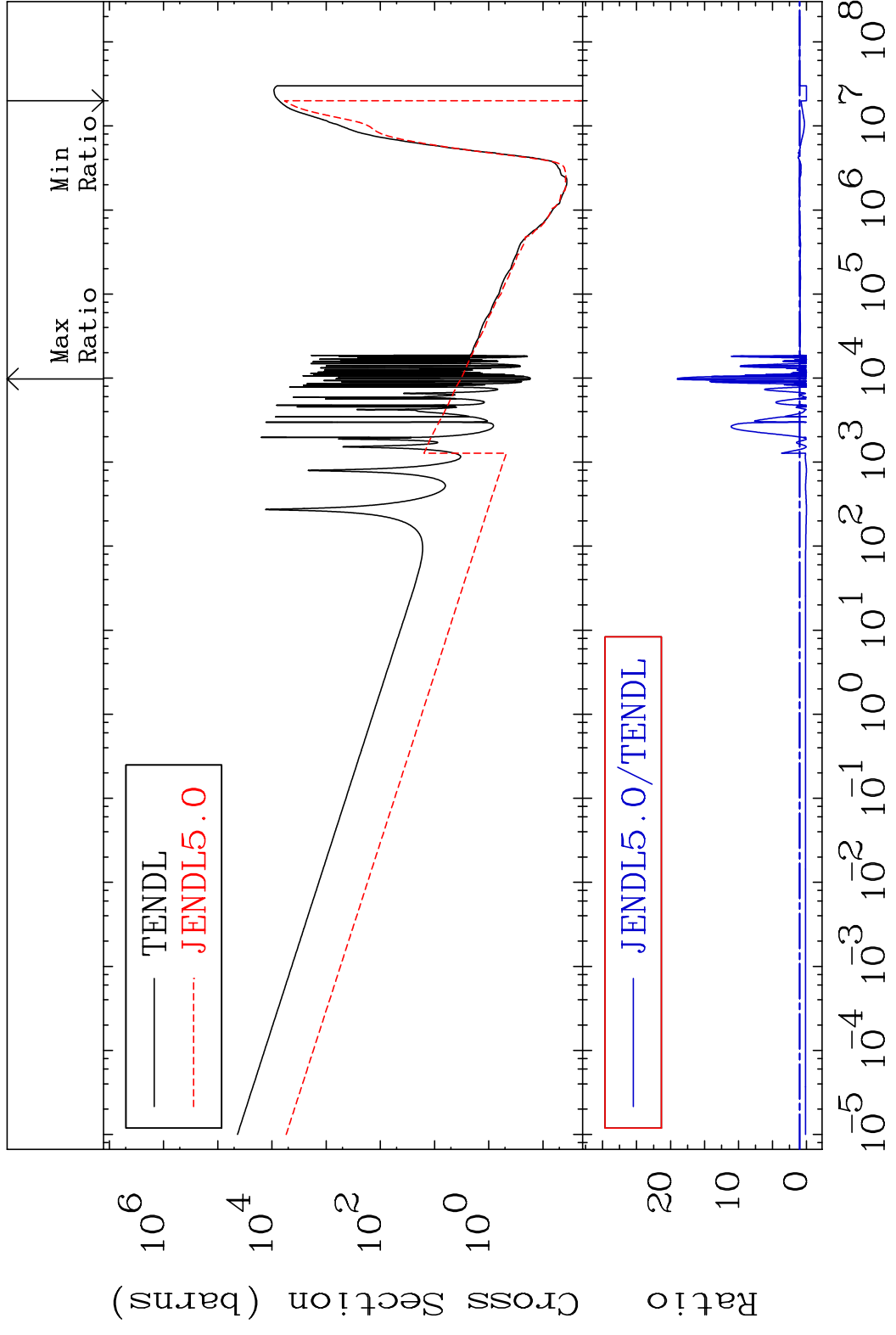
26-Fe-59

MAT 2640 Dpa inelastic (mt51-91) 26-Fe-59  
 Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 26-Fe-59

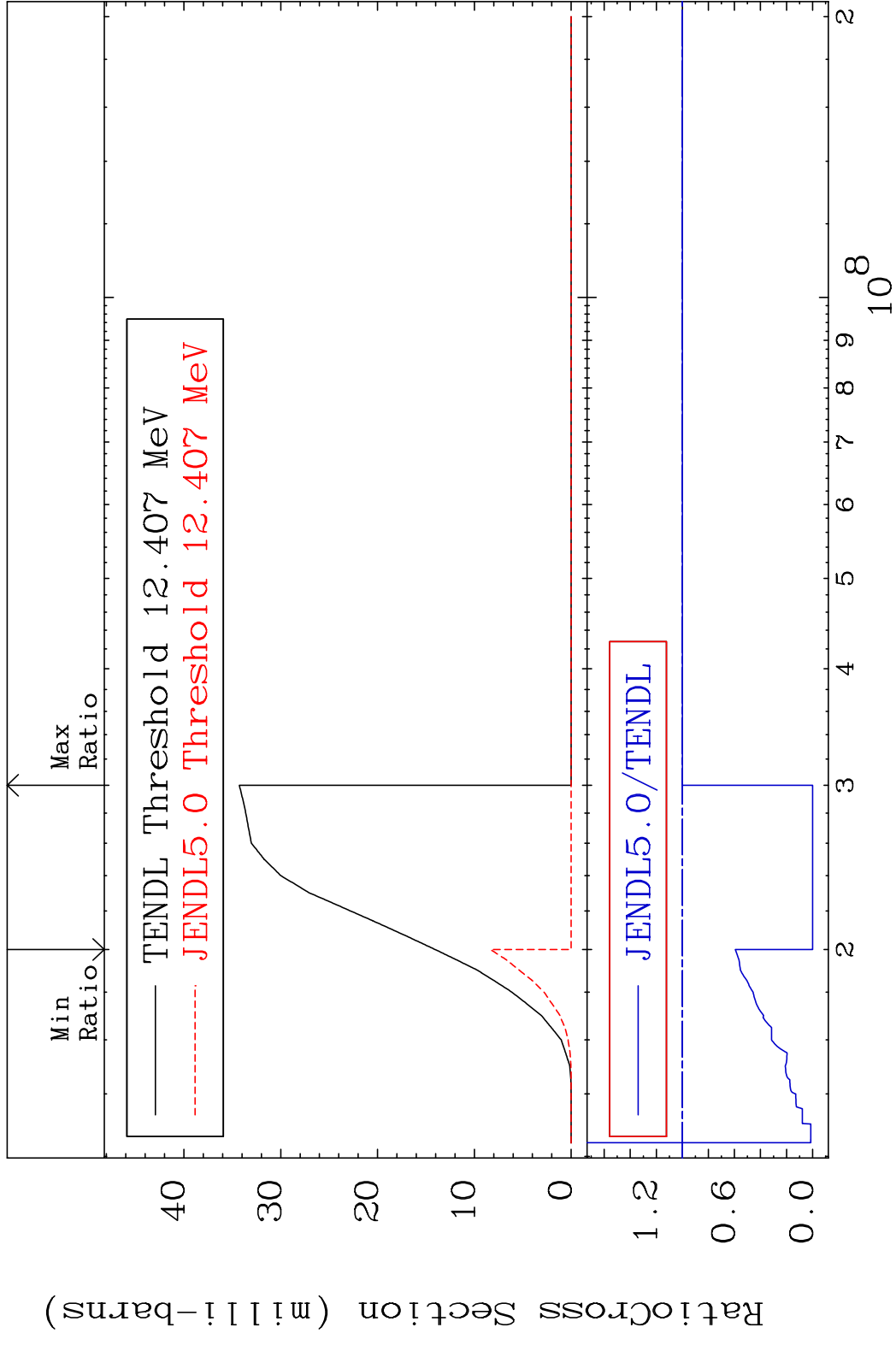
MAT 2640 Dpa disappearance (mt102 -120) 26-Fe-59  
 Cross Section -100.0 To 1802. %



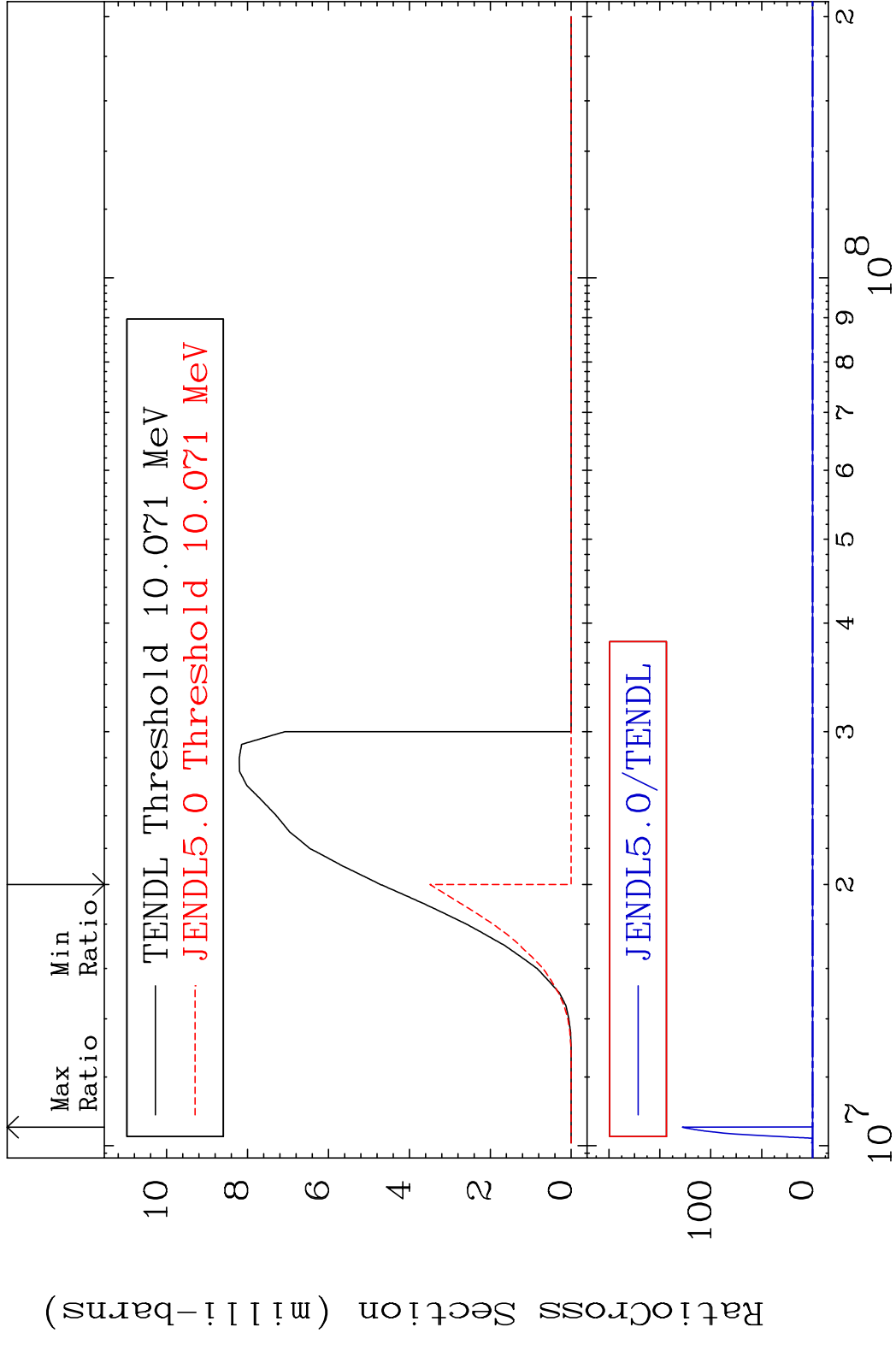
60 Incident Energy (eV) 26-Fe-59



MAT 2640 (n, n') p:25-Mn-58m1 26-Fe-59  
 Radionuclide Production Cross Section Ratio 0.000 %



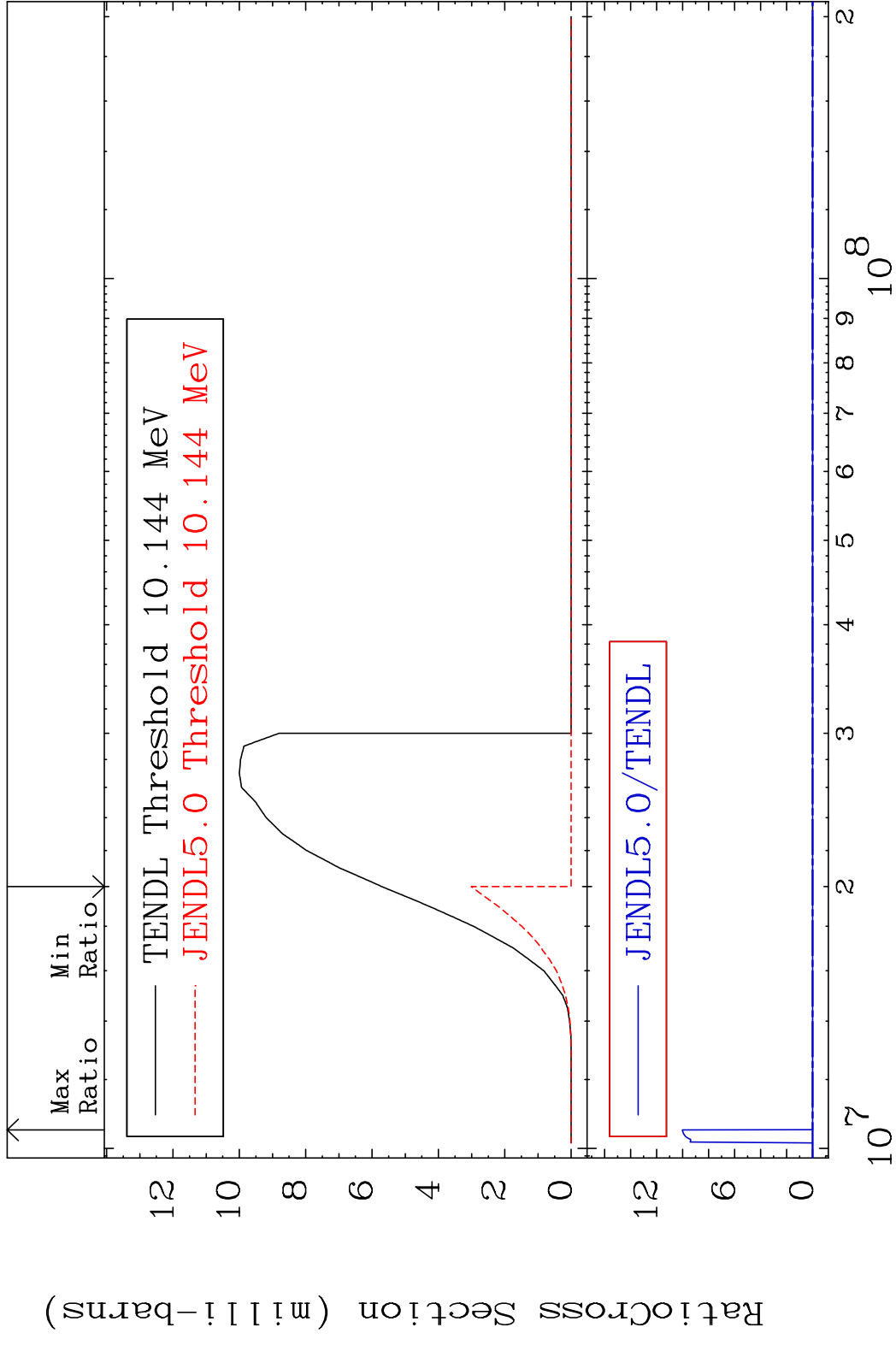
MAT 2640 (n, d) : 25-Mn-58g 26-Fe-59  
 Radionuclide Production Cross Section (%) 9999. %



63 Incident Energy (eV) 26-Fe-59



MAT 2640 (n, d):25-Mn-58m1 26-Fe-59  
 Radionuclide Production Cross Section 100.00 dth 9999. %



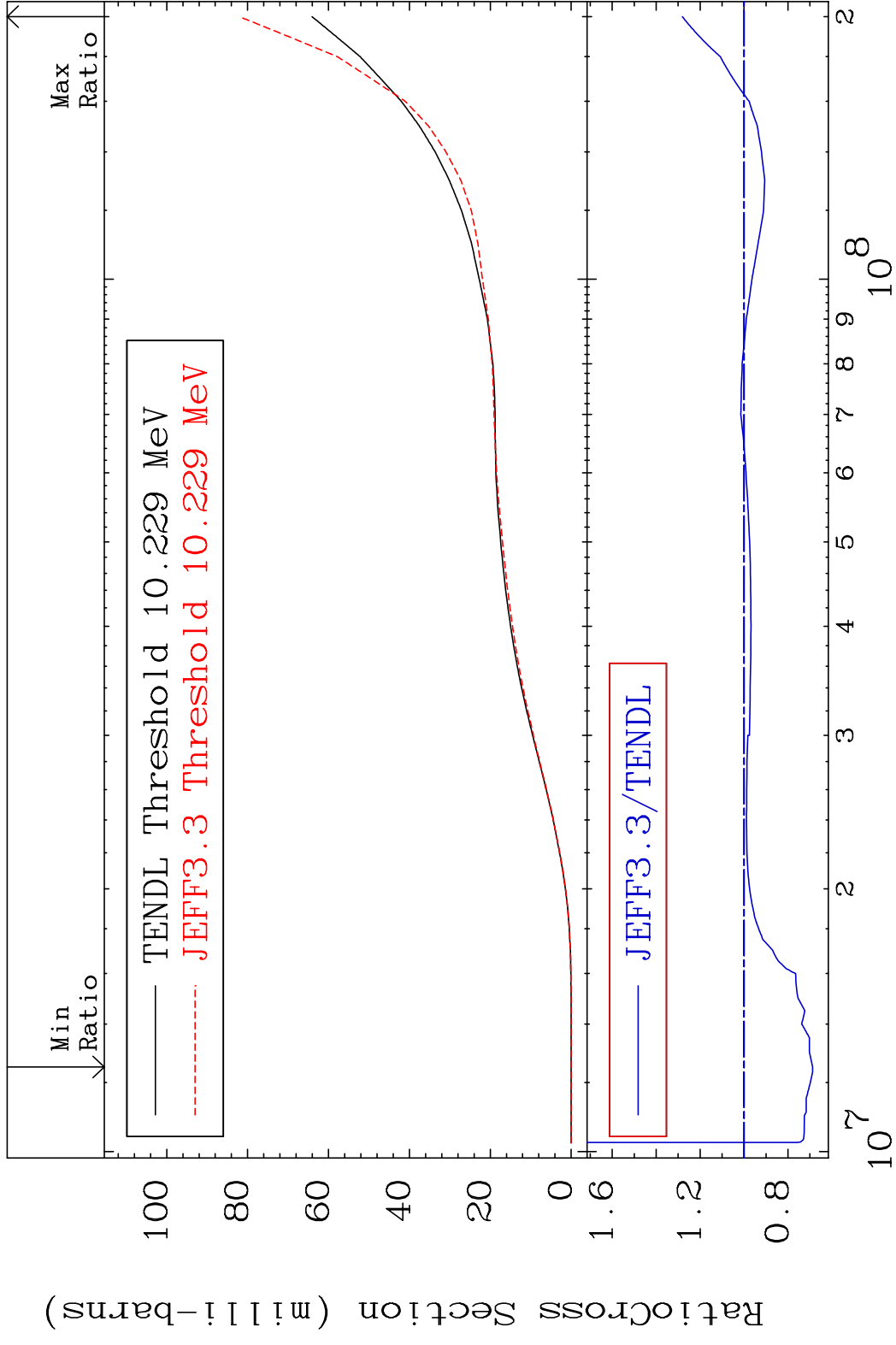
64 Incident Energy (eV) 26-Fe-59

MAT 2640

Tritium Production

<sup>26</sup>Fe-59

Cross Section -31.18 To 28.09 %

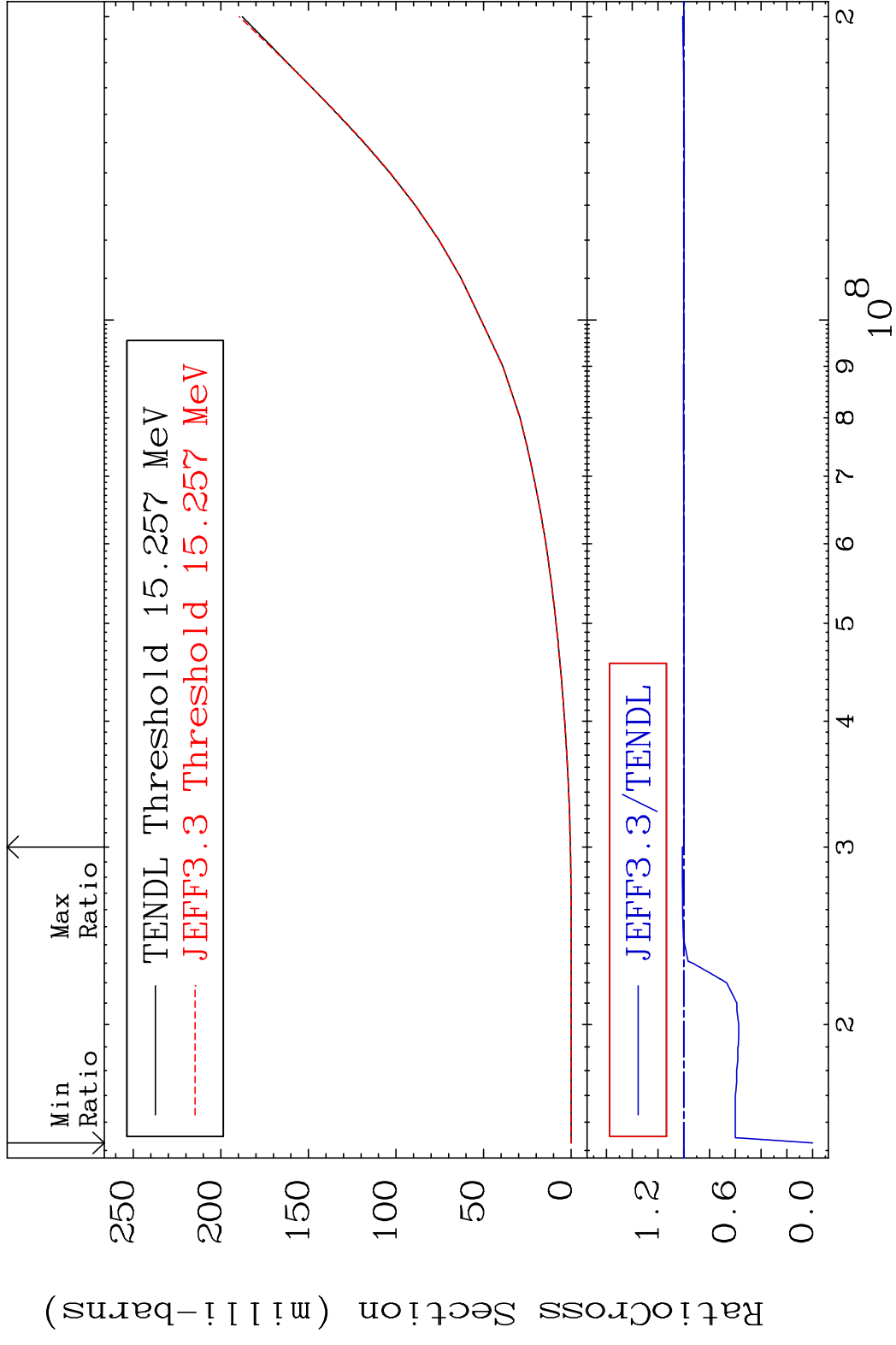


65

Incident Energy (eV)

<sup>26</sup>Fe-59

MAT 2640 He-3 Production 26-Fe-59  
 Cross Section -100.0 To 1.125 %

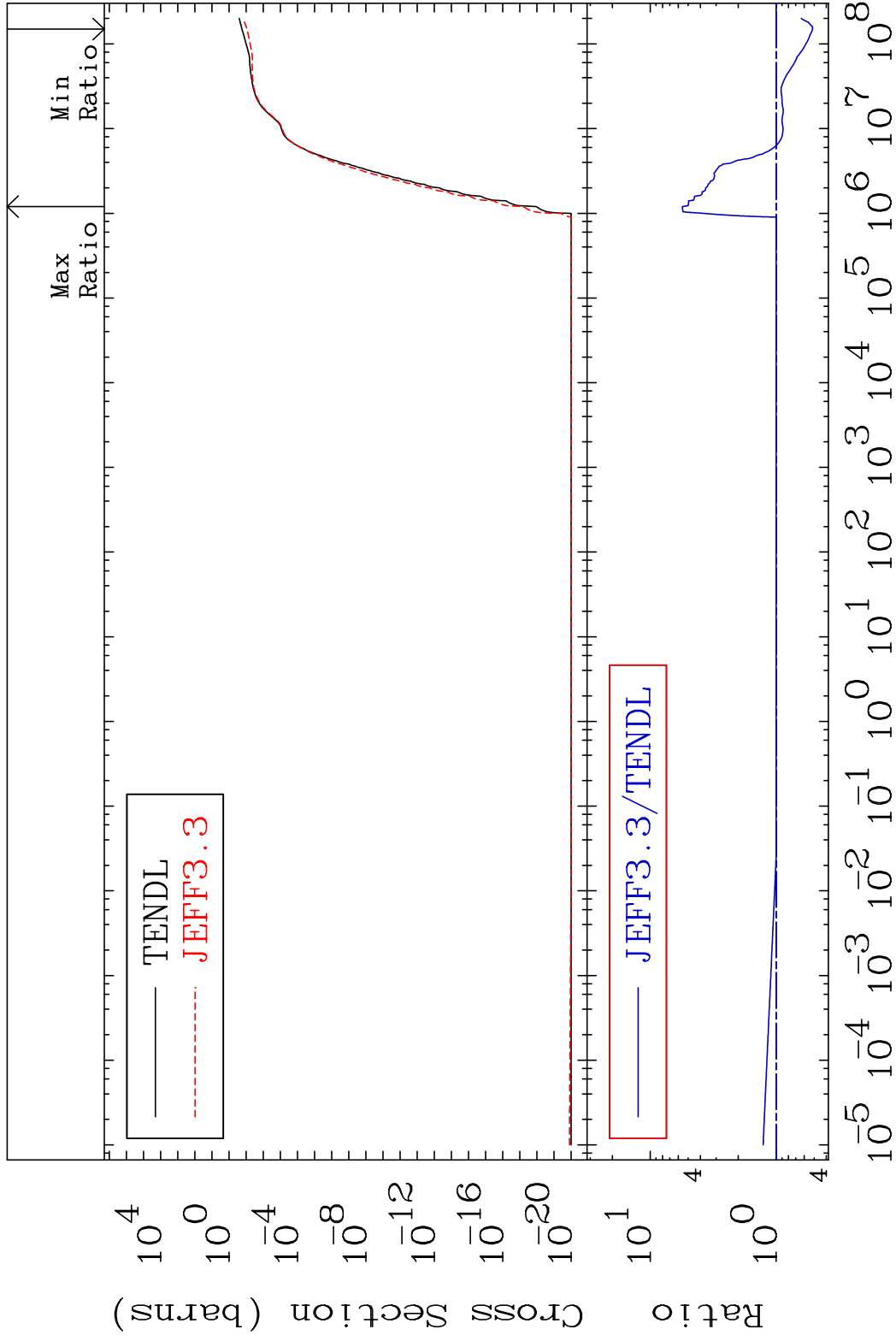


MAT 2640

He-4 Production

<sup>26</sup>Fe-59

Cross Section -48.57 To 455.9 %

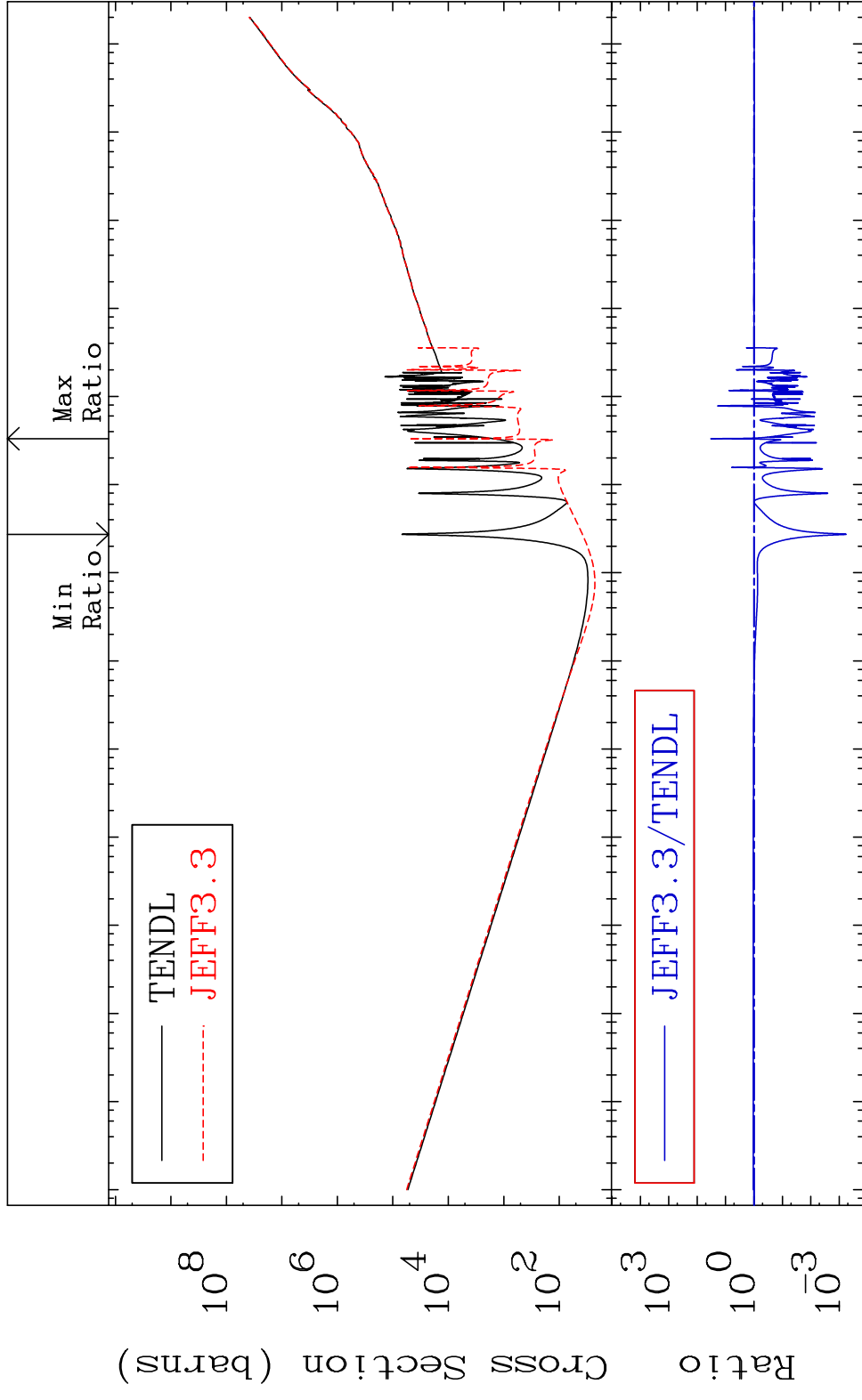


67

Incident Energy (eV)

<sup>26</sup>Fe-59

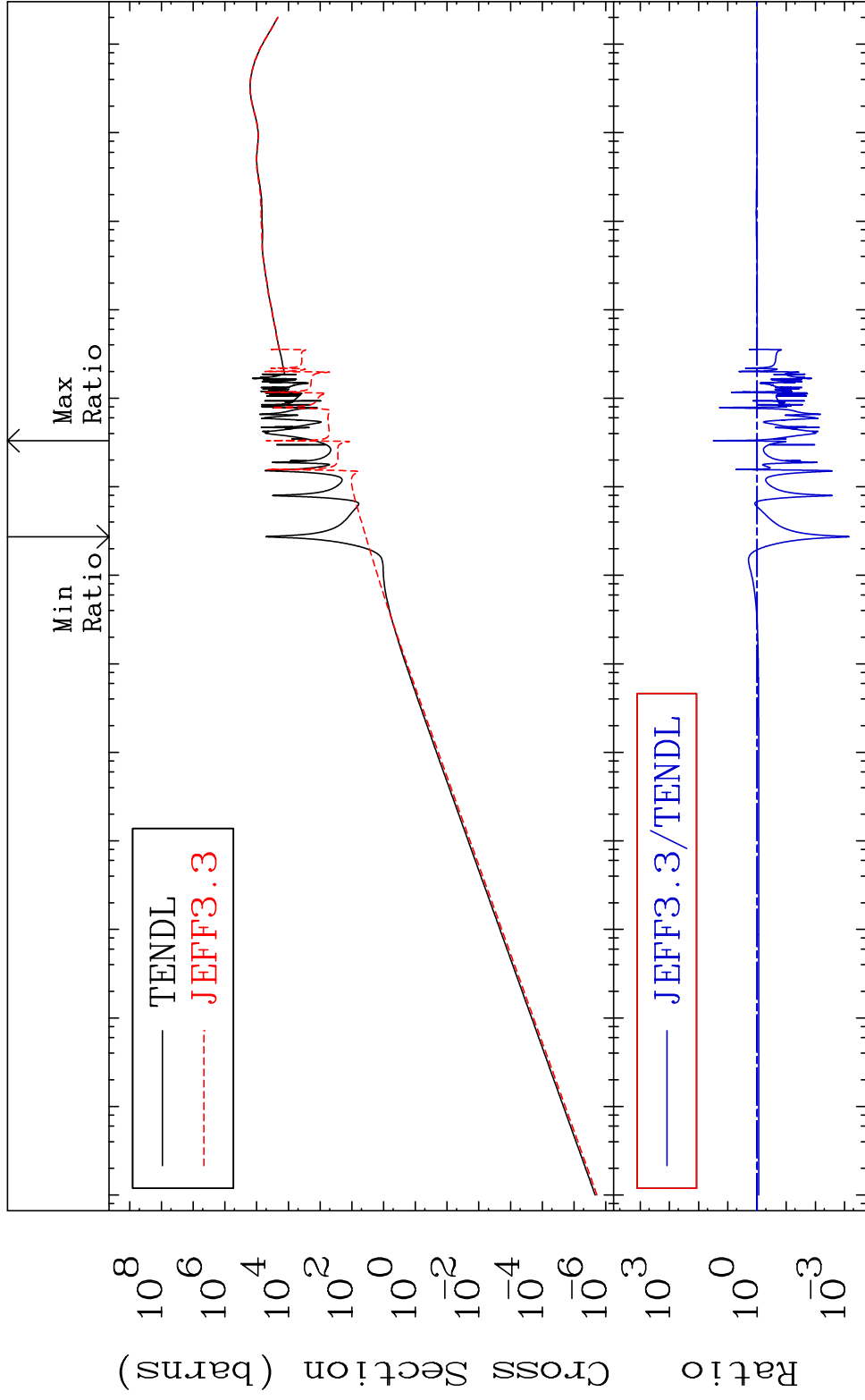
MAT 2640 Kerma total (eV-barns) 26-Fe-59  
 Cross Section -99.94 To 3242. %



MAT 2640

Kerma elastic  
Cross Section

26-Fe-59  
-99.93 To 3076. %

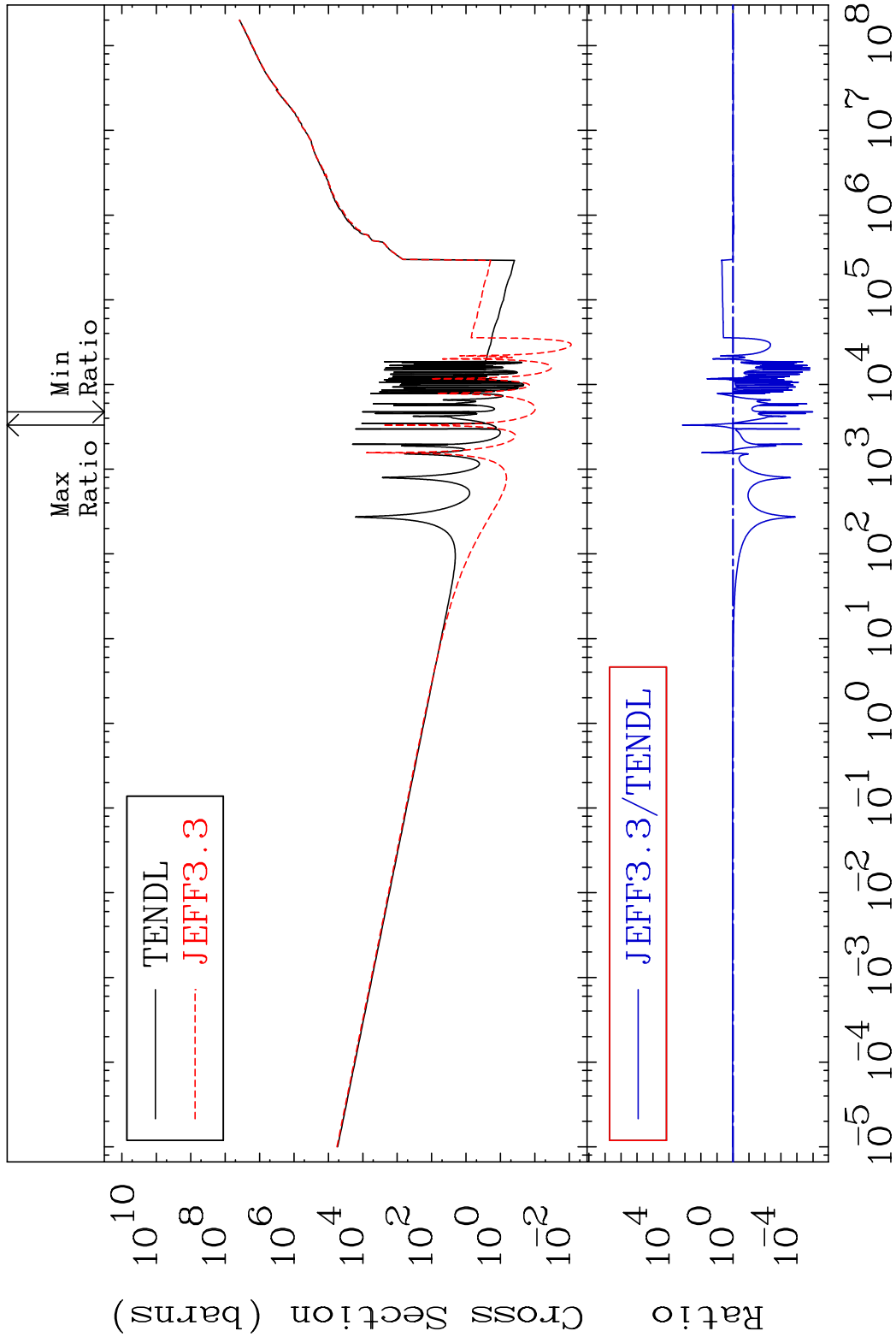


69

Incident Energy (eV)

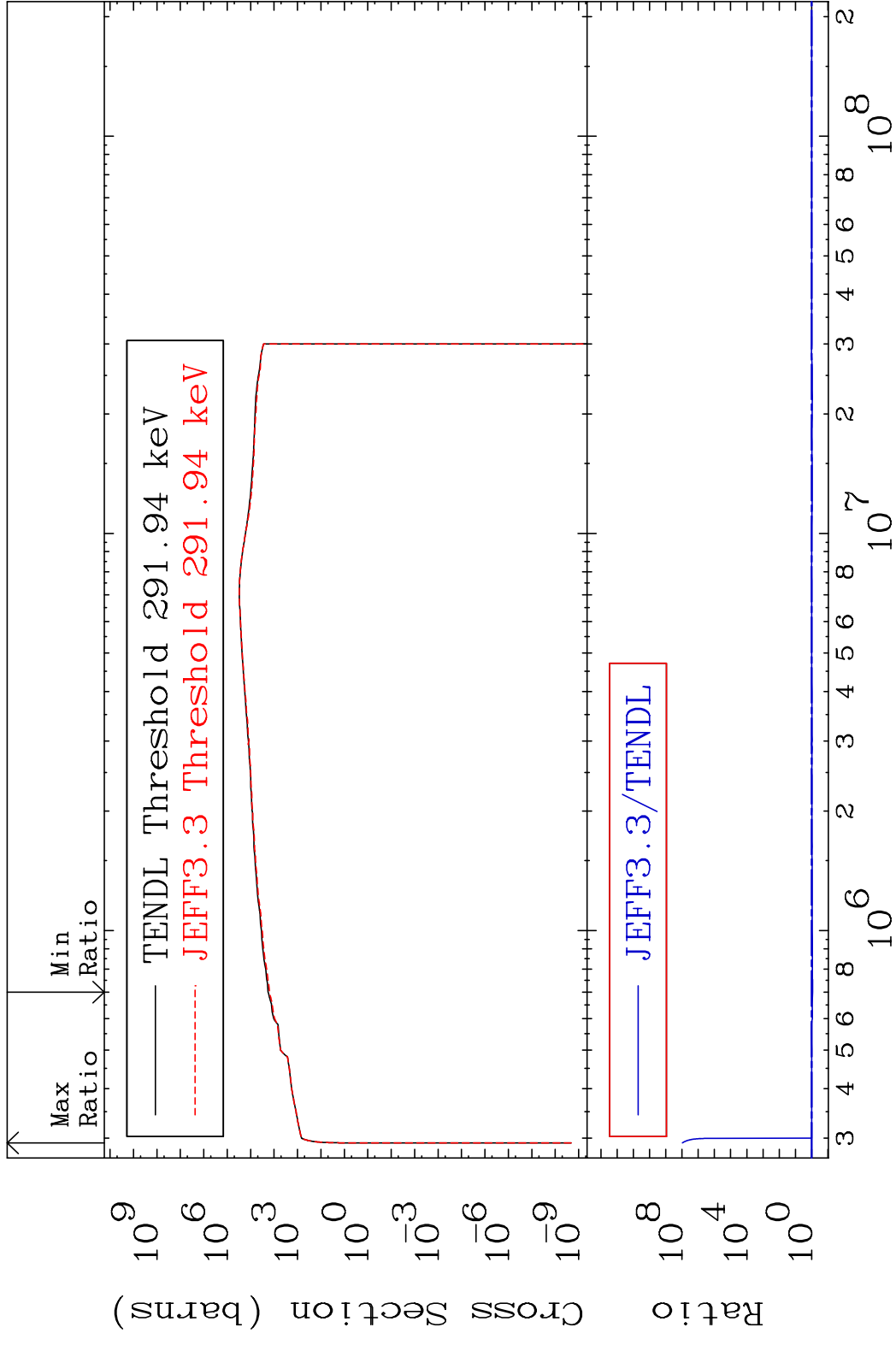
26-Fe-59

MAT 2640 Kerma non-elastic (all but mt2) 26-Fe-59  
 Cross Section -100.0 To 9999. %



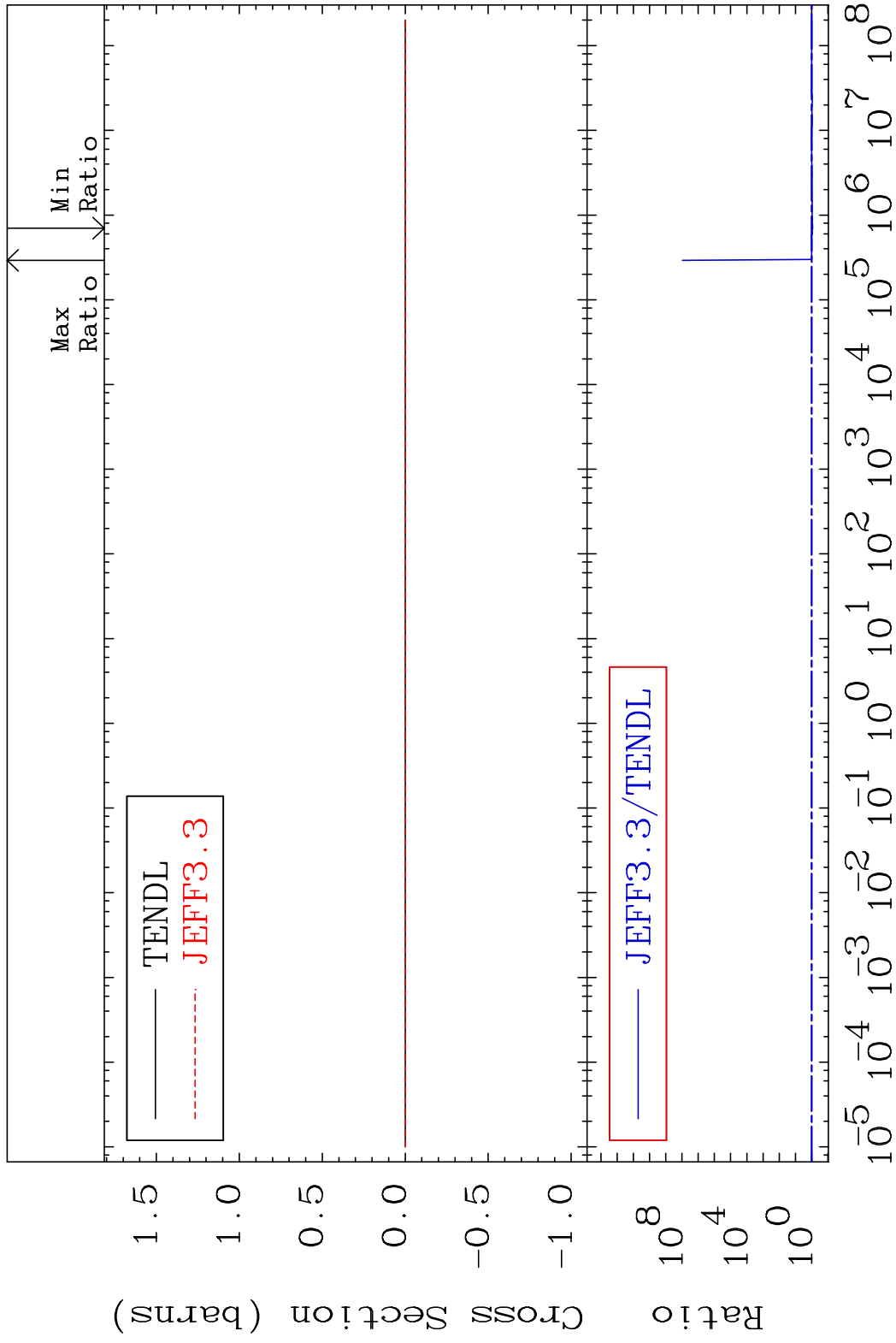
70 Incident Energy (eV) 26-Fe-59

MAT 2640 Kerma inelastic (mt51-91) 26-Fe-59  
 Cross Section -12.36 To 9999. %

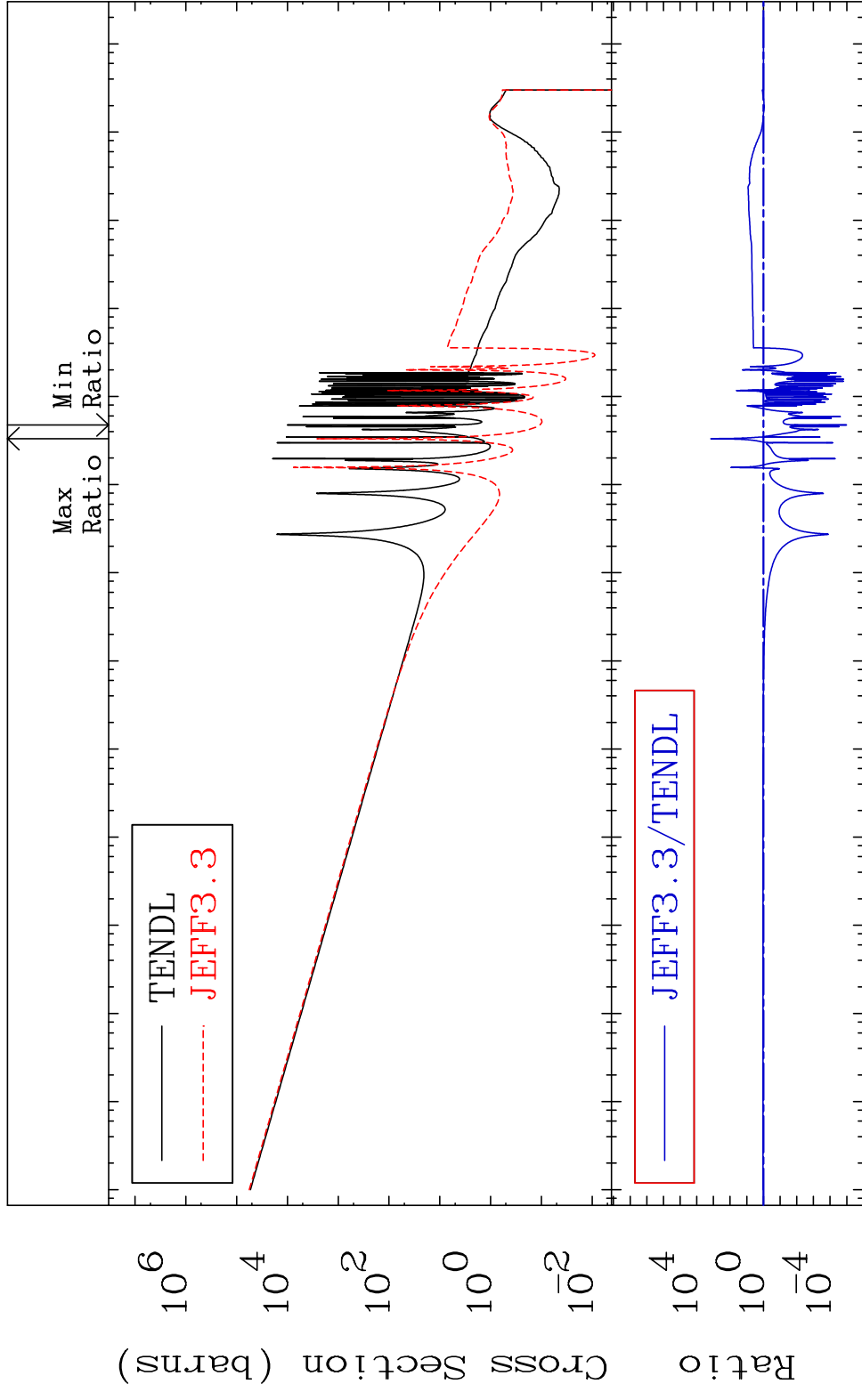




MAT 2640 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-59  
 Cross Section -12.36 To 9999. %

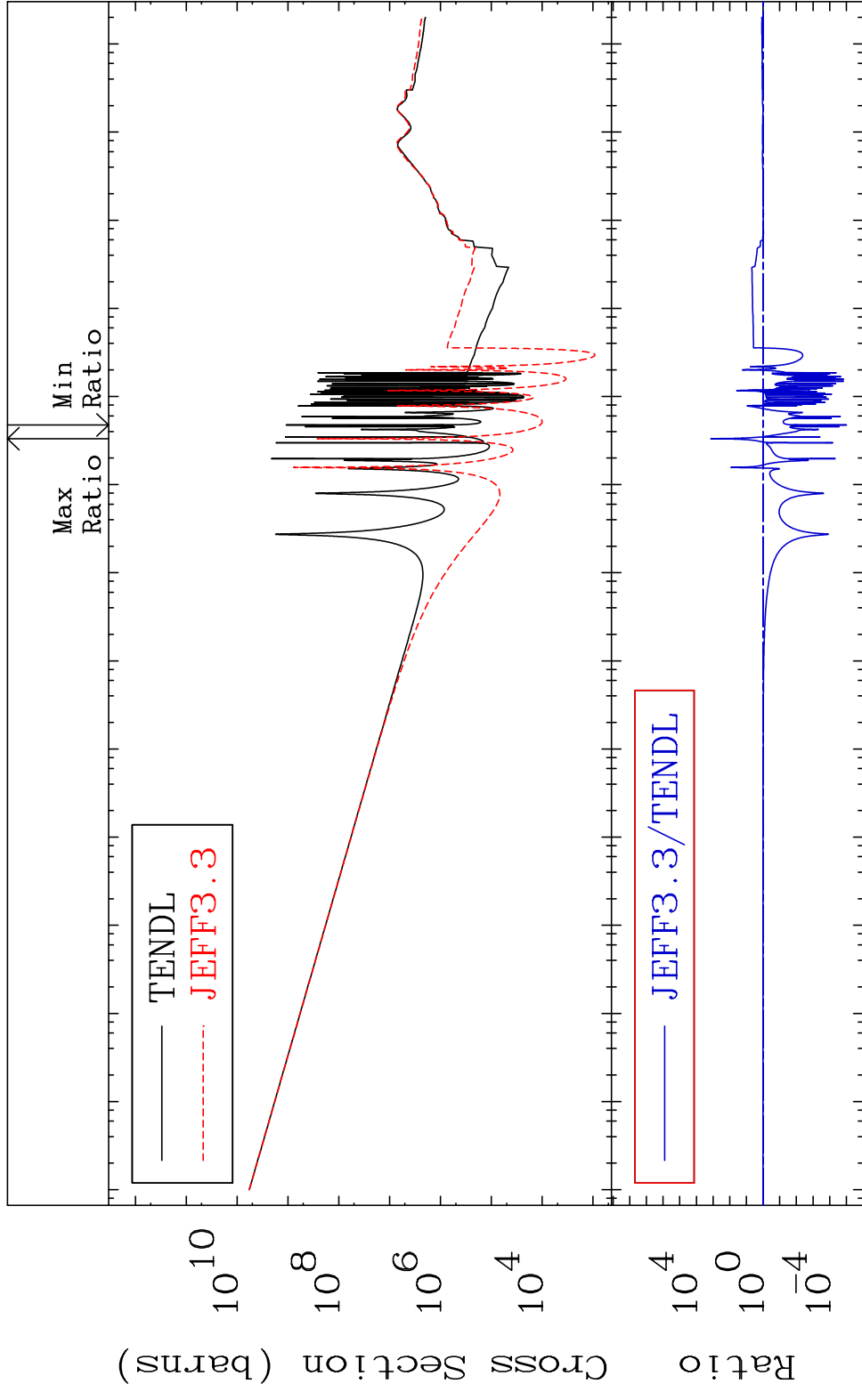


MAT 2640 Kerma capture (mt102) 26-Fe-59  
 Cross Section -100.0 To 9999. %



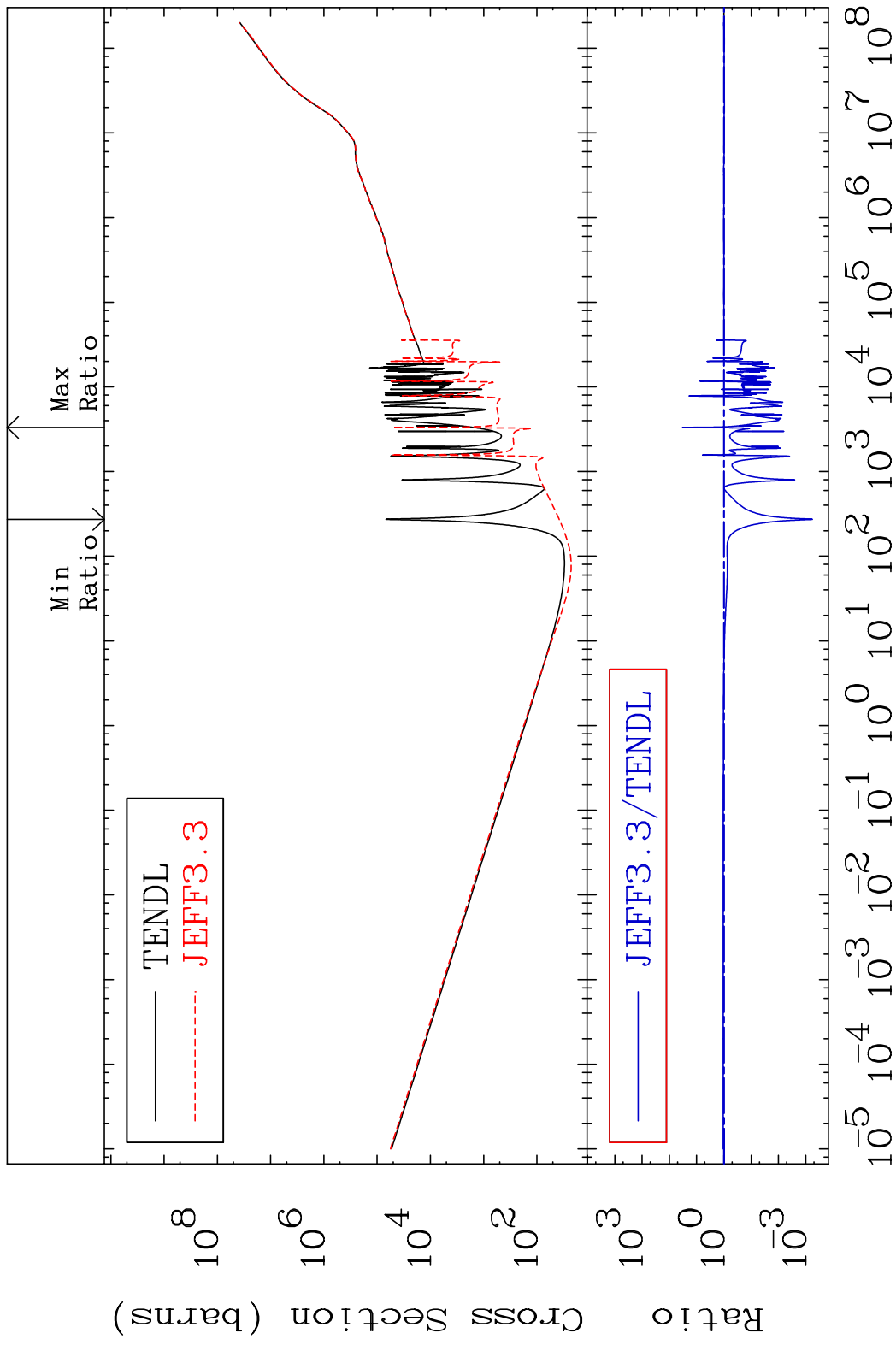
73 Incident Energy (eV) 26-Fe-59

MAT 2640 Total photon (eV-barns) 26-Fe-59  
 Cross Section -100.0 To 9999. %

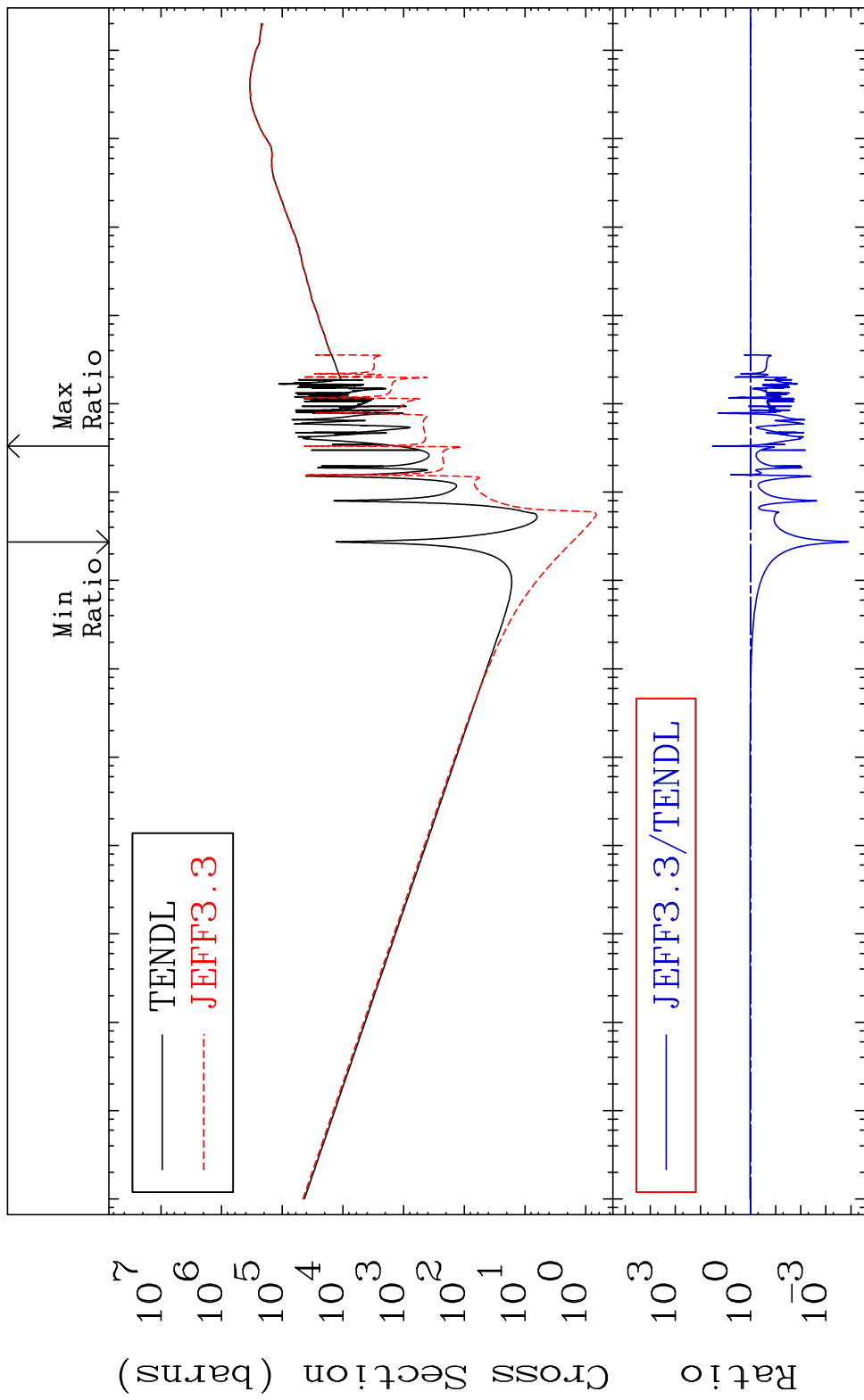


74 Incident Energy (eV) 26-Fe-59

MAT 2640 Total kinematic kerma (high limit) 26-Fe-59  
 Cross Section -99.94 To 3242. %



MAT 2640      Dpa total (eV-barns)      26-Fe-59  
 Cross Section      -99.99 To 3237. %



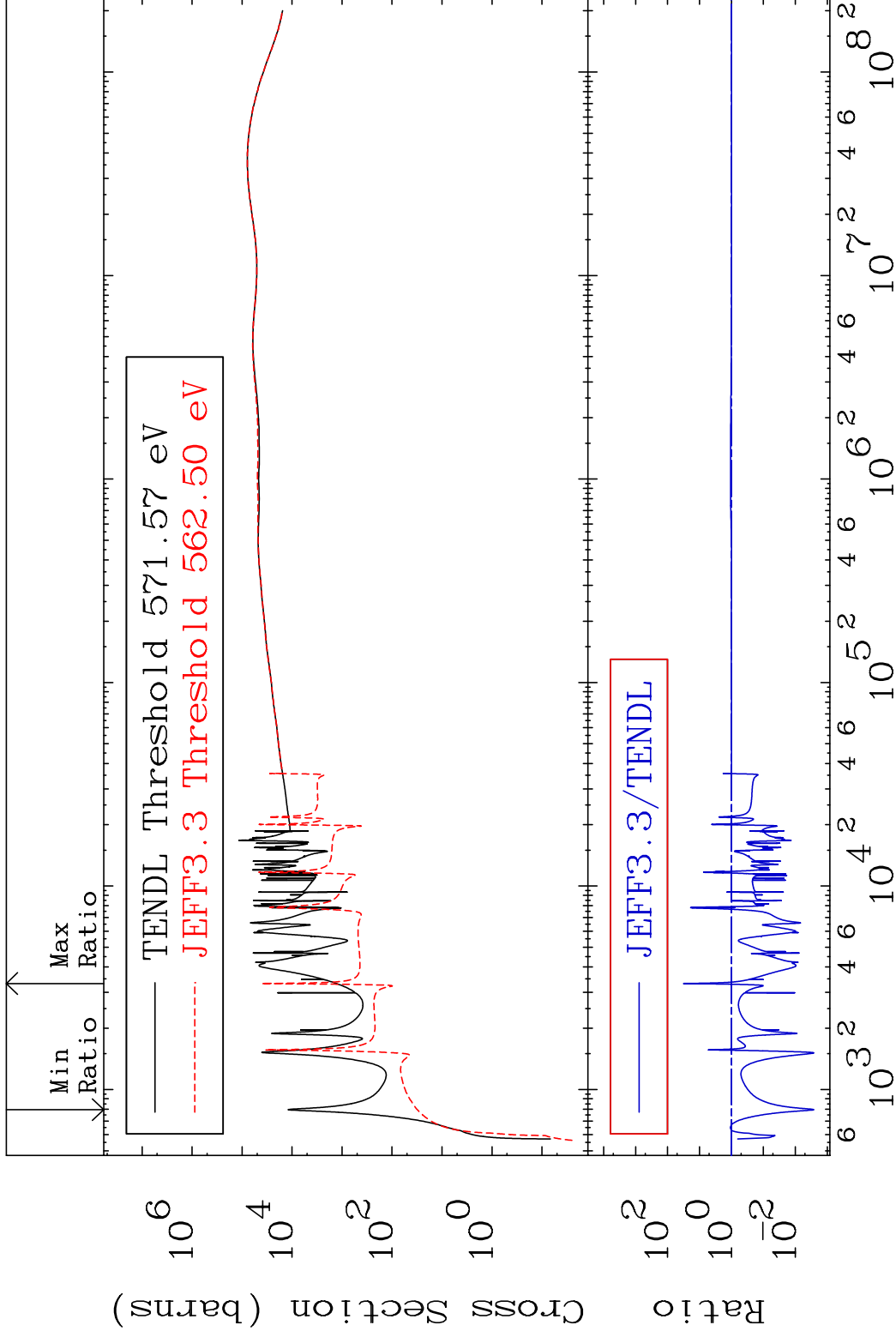
76      Incident Energy (eV)      26-Fe-59

MAT 2640

Dpa elastic (mt2)

<sup>26</sup>Fe-59

Cross Section -99.74 To 3076. %

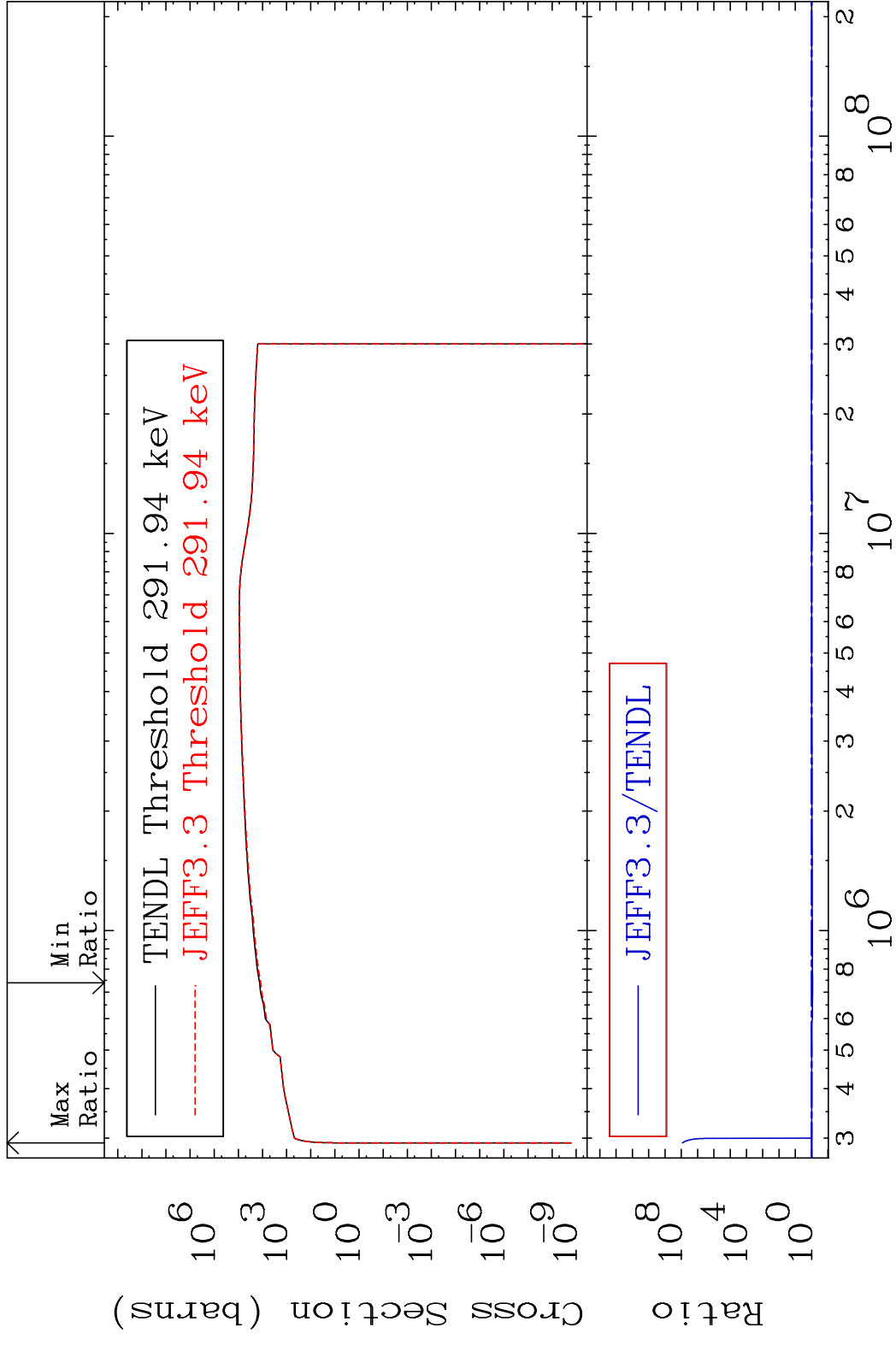


77

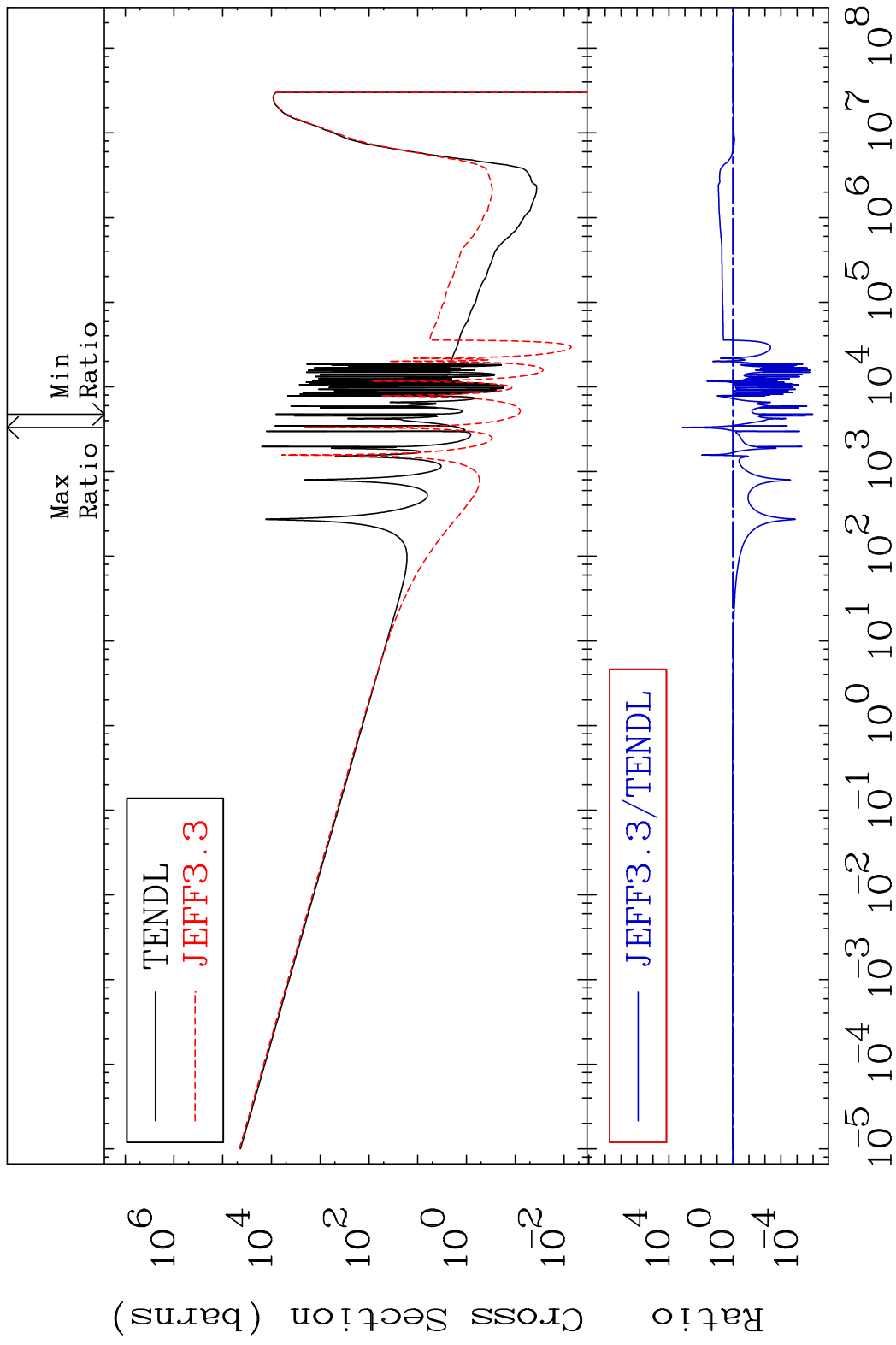
Incident Energy (eV)

<sup>26</sup>Fe-59

MAT 2640 Dpa inelastic (mt51-91) 26-Fe-59  
 Cross Section -11.94 To 9999. %

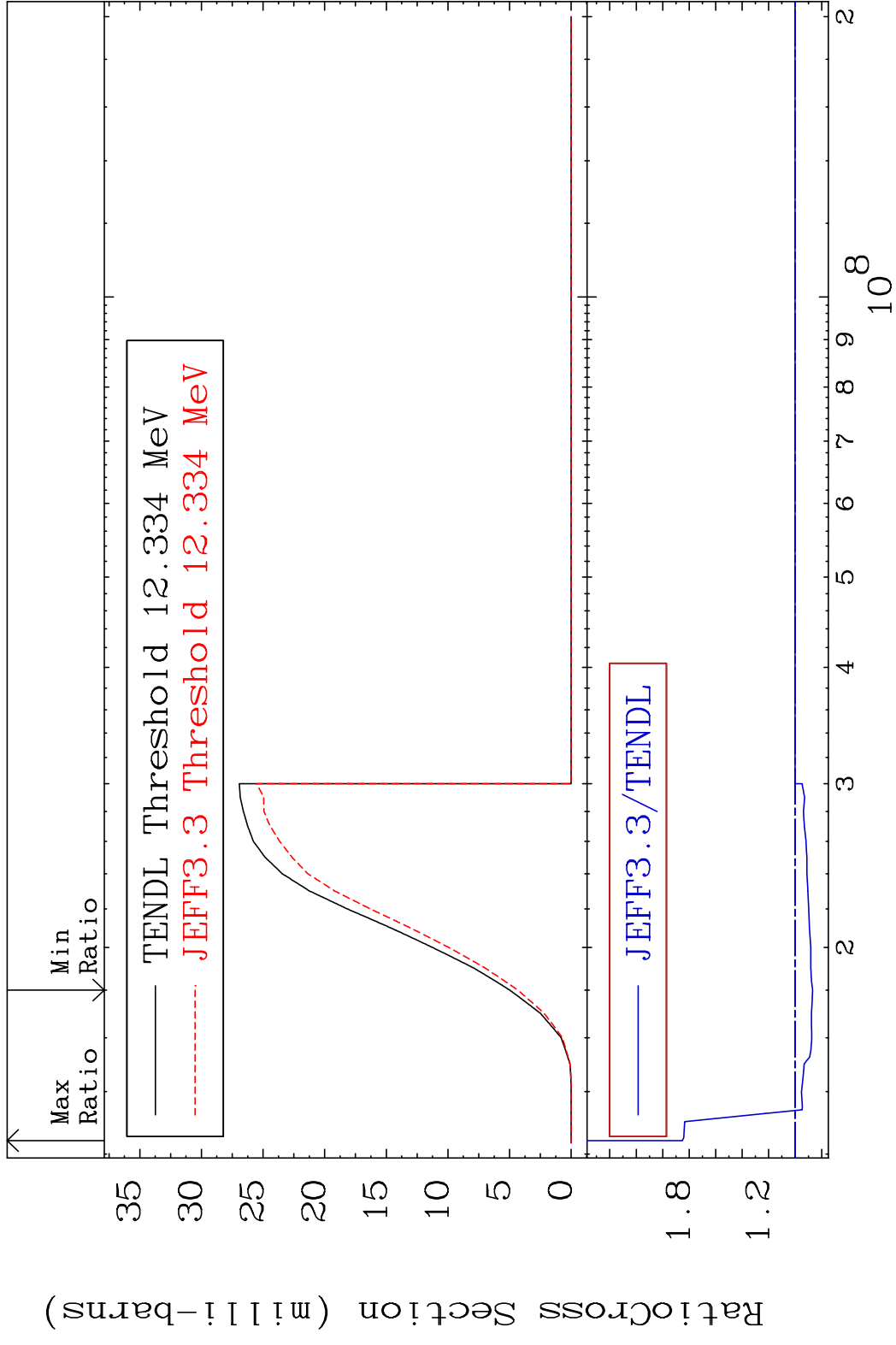


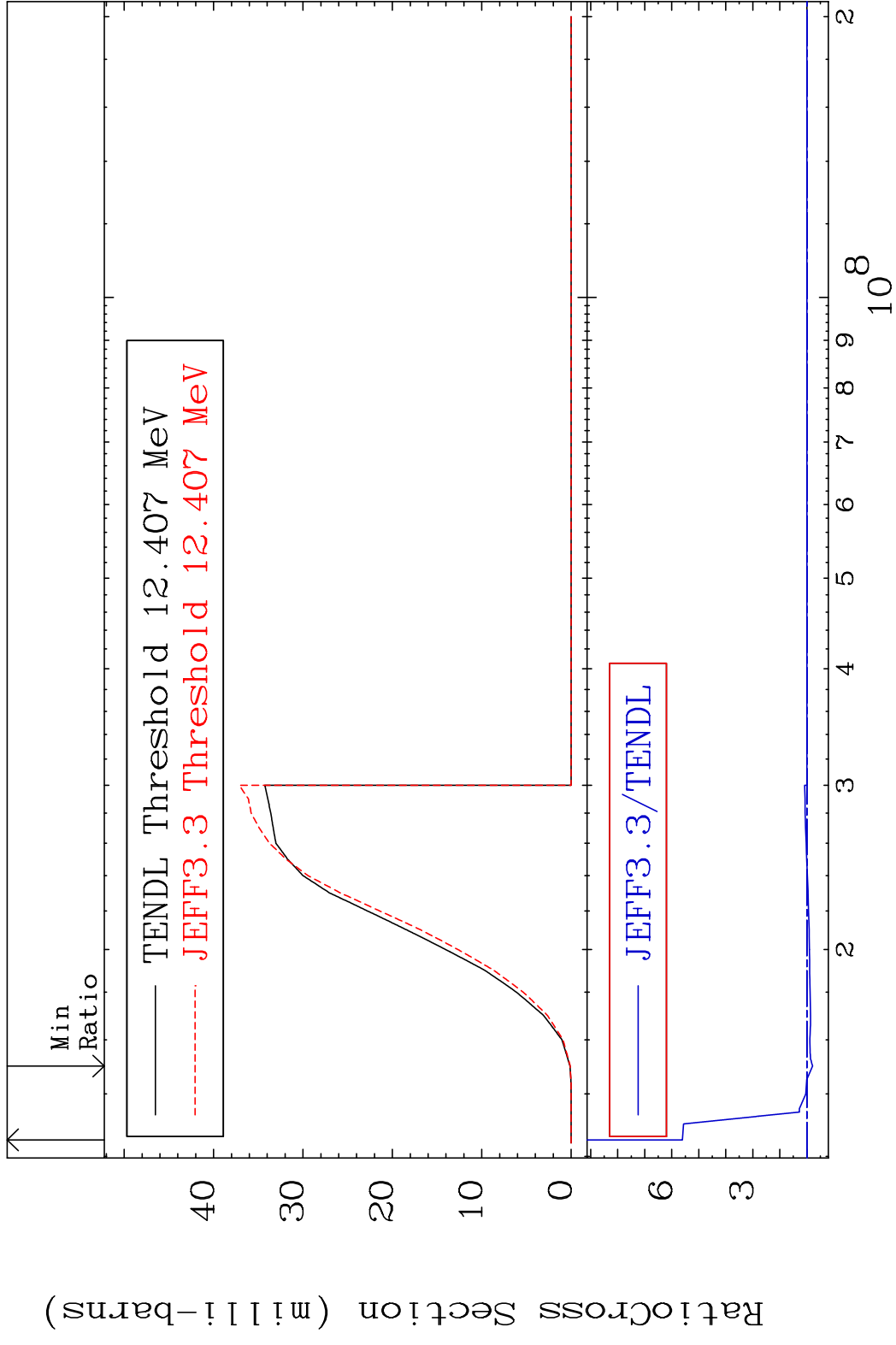
MAT 2640 Dpa disappearance (mt102 -120) 26-Fe-59  
 Cross Section -100.0 To 9999. %



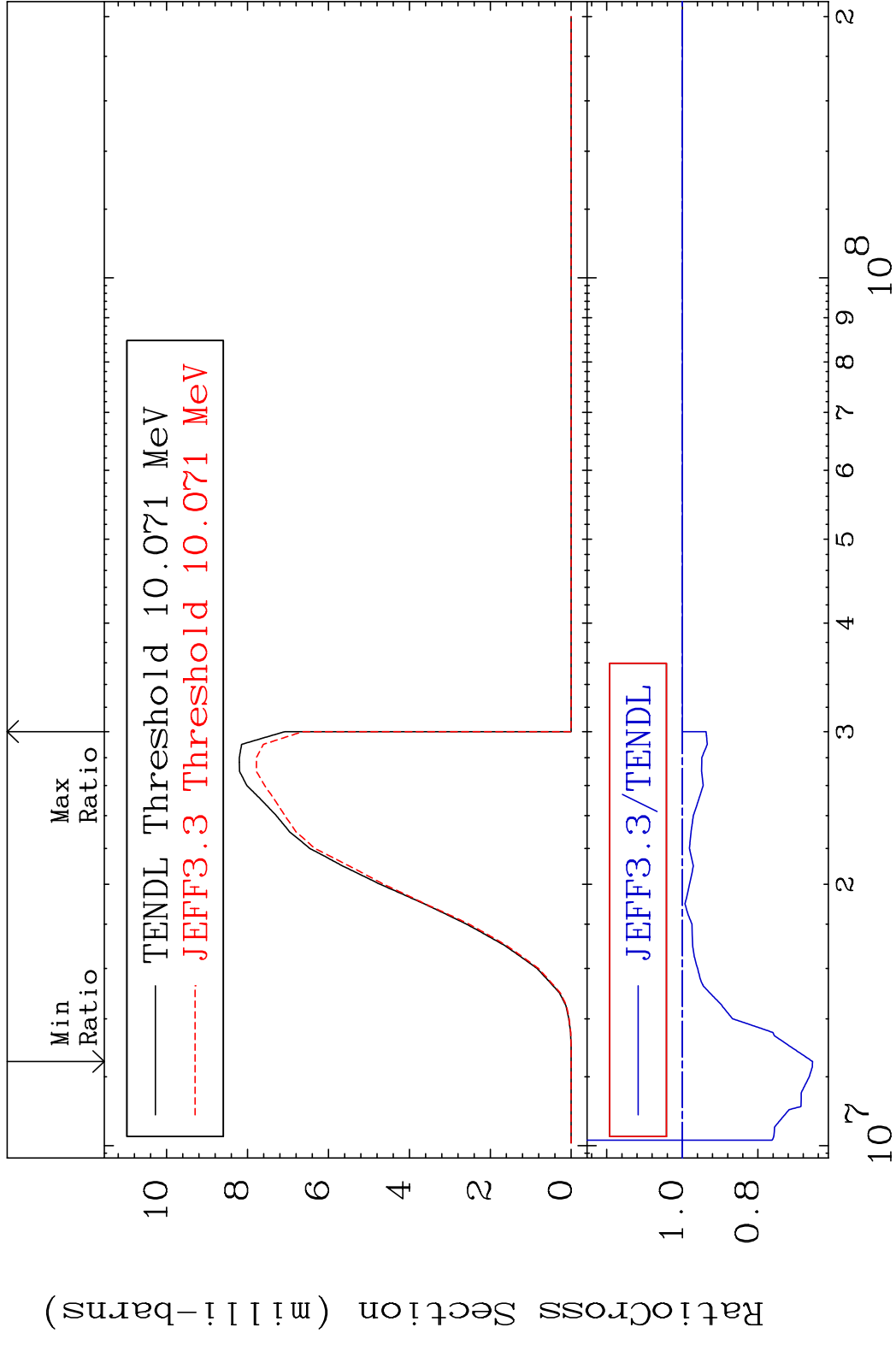
79 Incident Energy (eV) 26-Fe-59







MAT 2640 (n, d) : 25-Mn-58g 26-Fe-59  
 Radionuclide Production Cross Section 0.000 %



82 Incident Energy (eV) 26-Fe-59

MAT 2640 (n, d):25-Mn-58m1 26-Fe-59  
 Radionuclide Production Cross Section 7.975 %

