

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

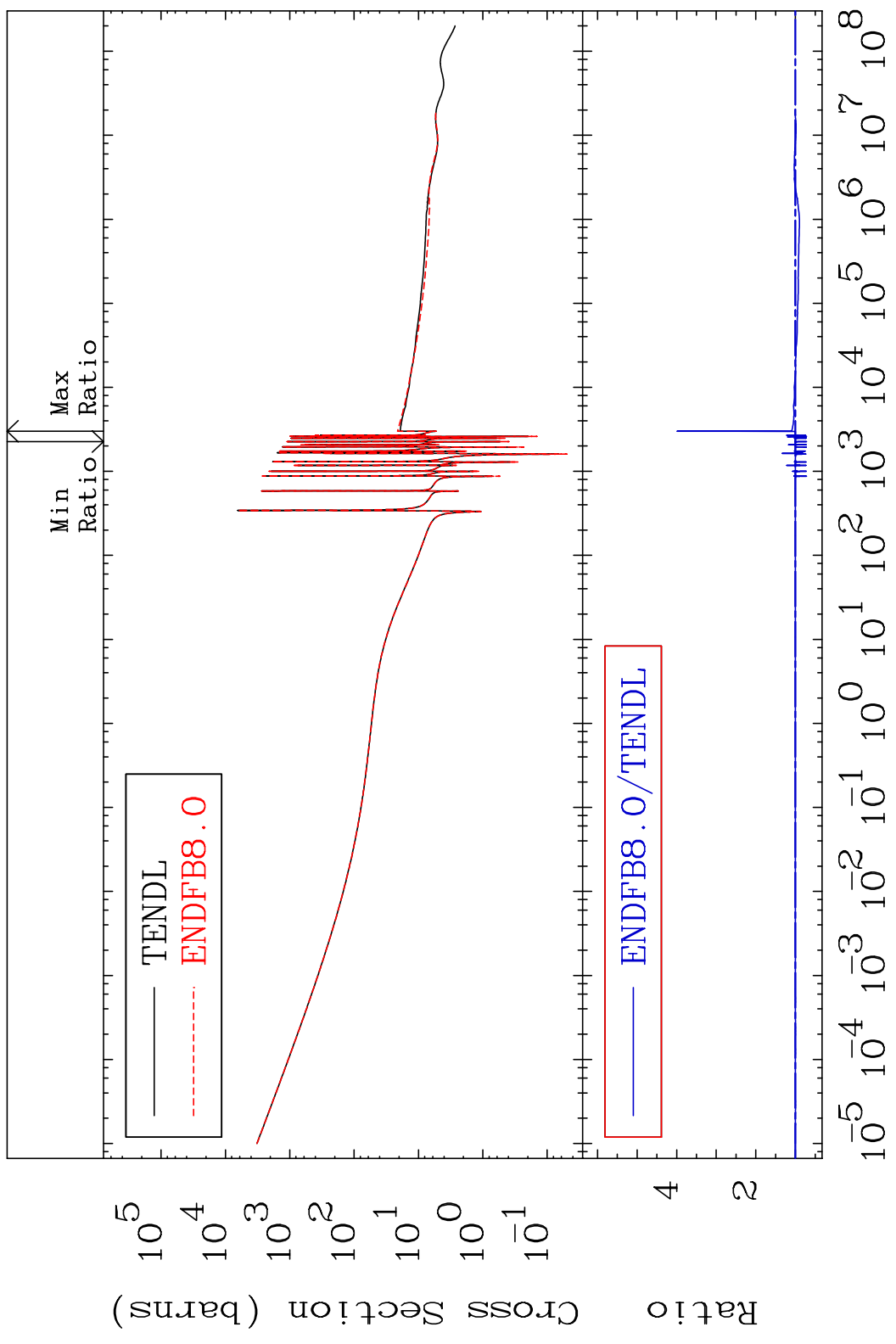
MAT 7043

Total

70-Yb-174

Cross Section

-27.69 To 298.7 %



1

Incident Energy (eV)

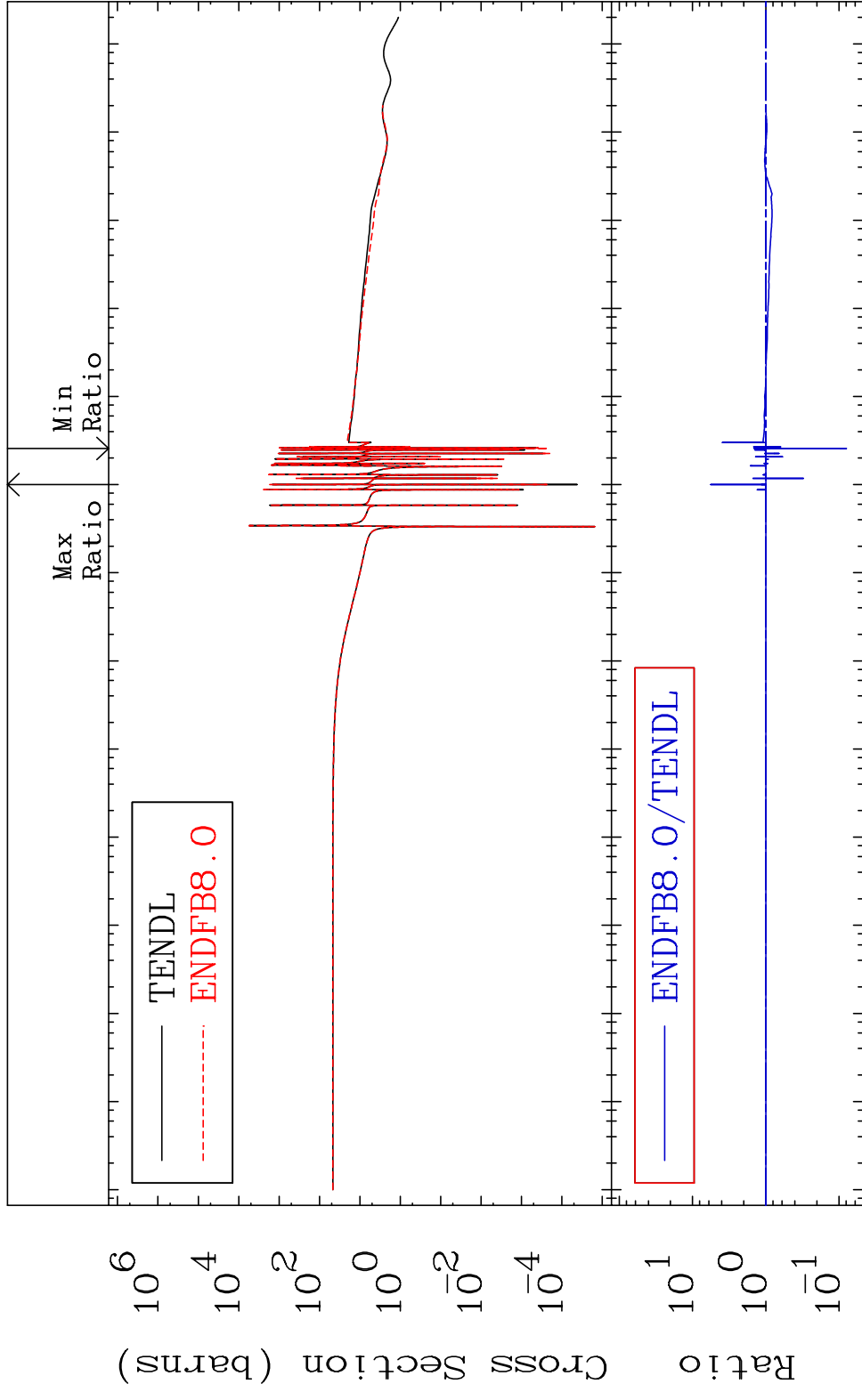
70-Yb-174

MAT 7043

Elastic

70-Yb-174

Cross Section -92.05 To 464.6 %



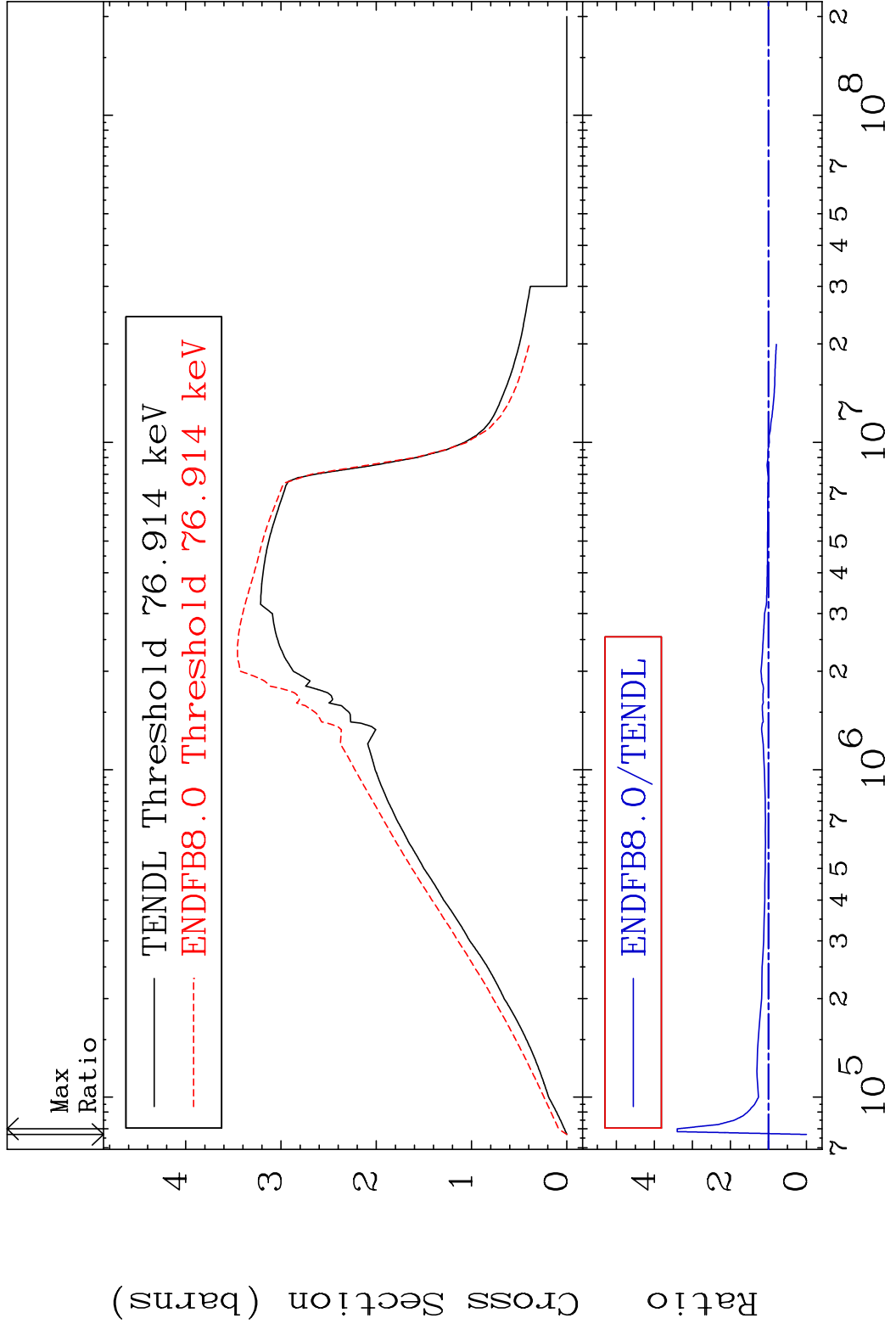
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

70-Yb-174

MAT 7043 Inelastic 70-Yb-174  
Cross Section -100.0 To 239.9 %



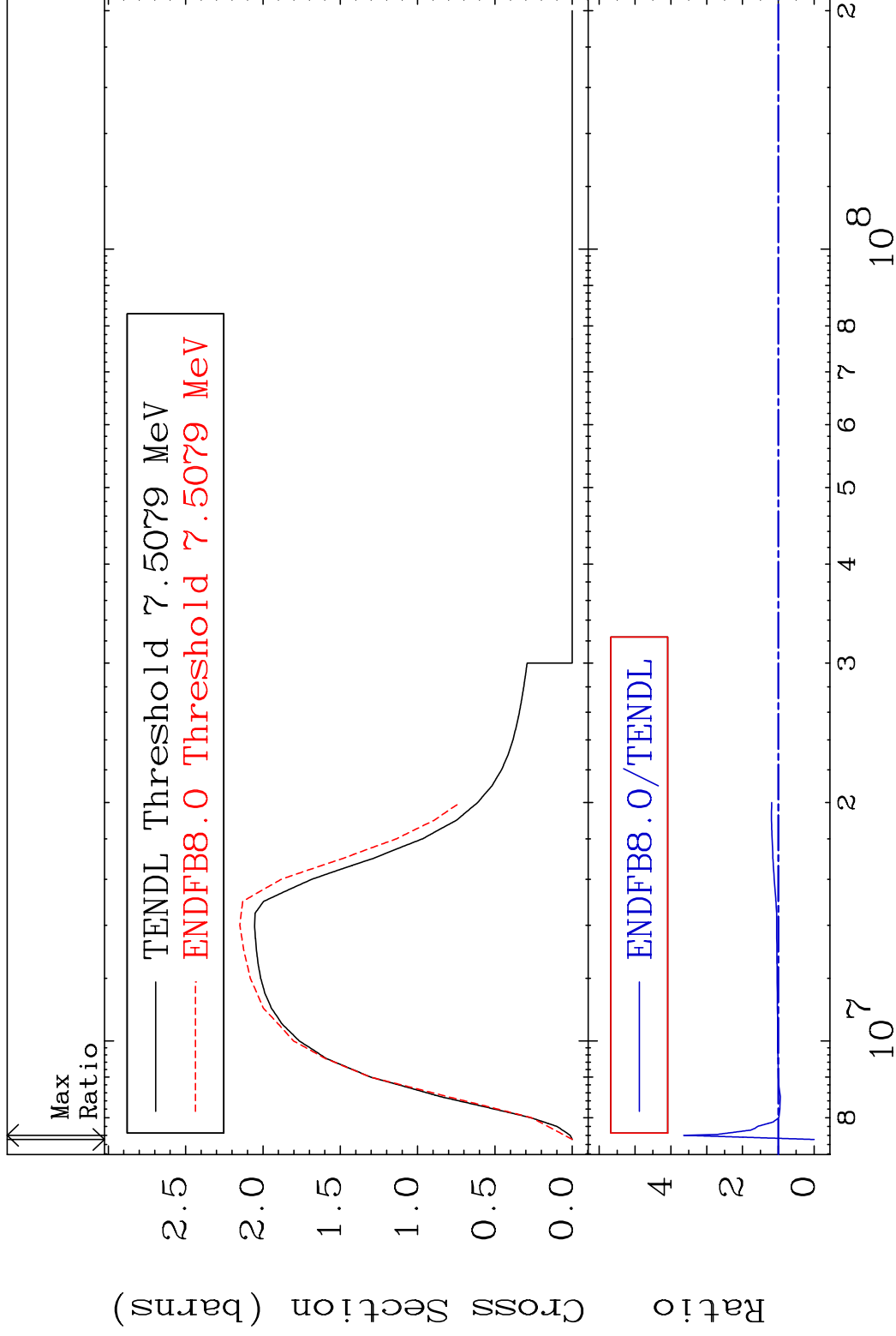
3 70-Yb-174

MAT 7043

(n,2n)

70-Yb-174

Cross Section -100.0 To 264.3 %



4

Incident Energy (eV)

70-Yb-174

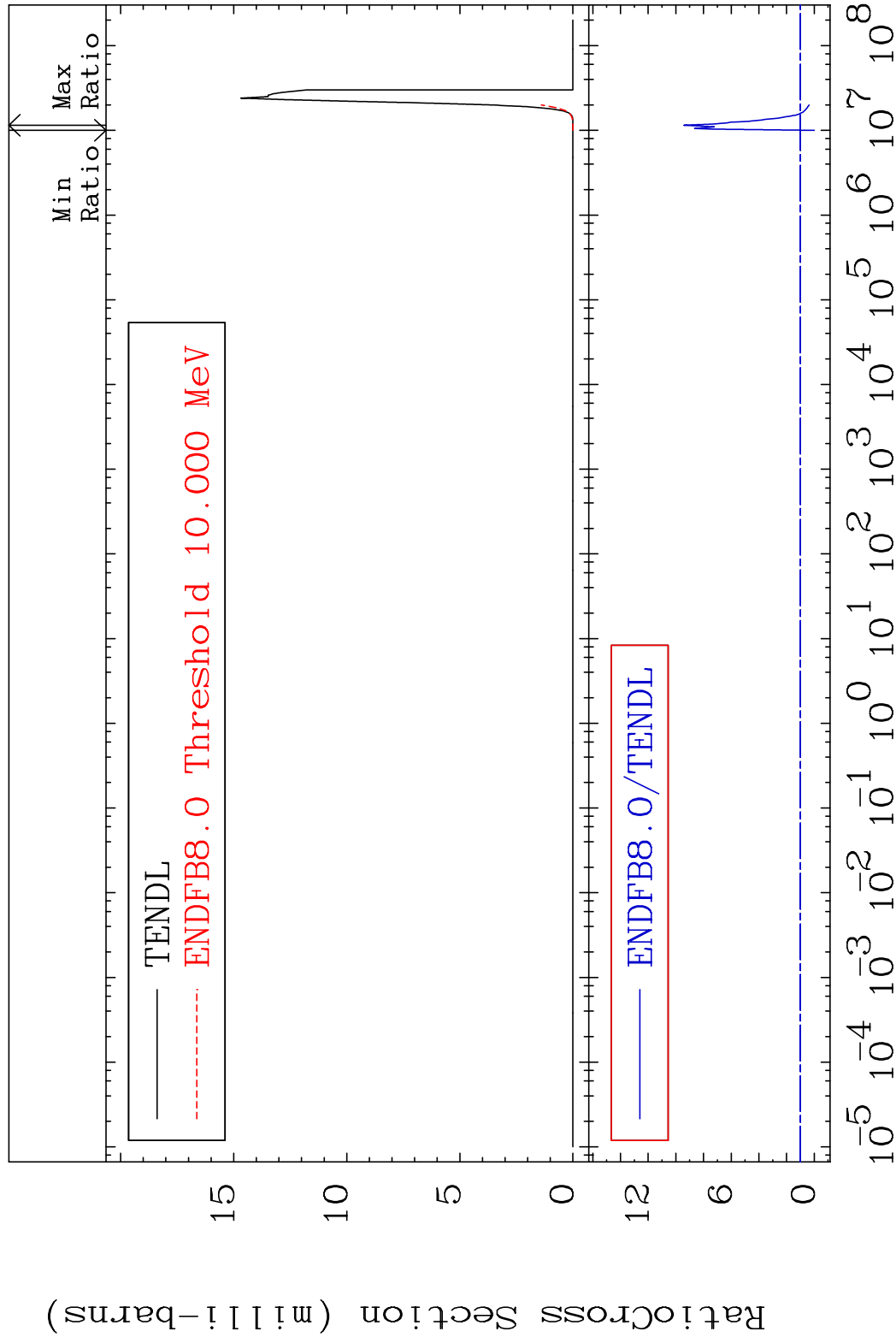


MAT 7043

(n, n')  $\alpha$

70-Yb-174

Cross Section -100.0 To 840.5 %



6

Incident Energy (eV)

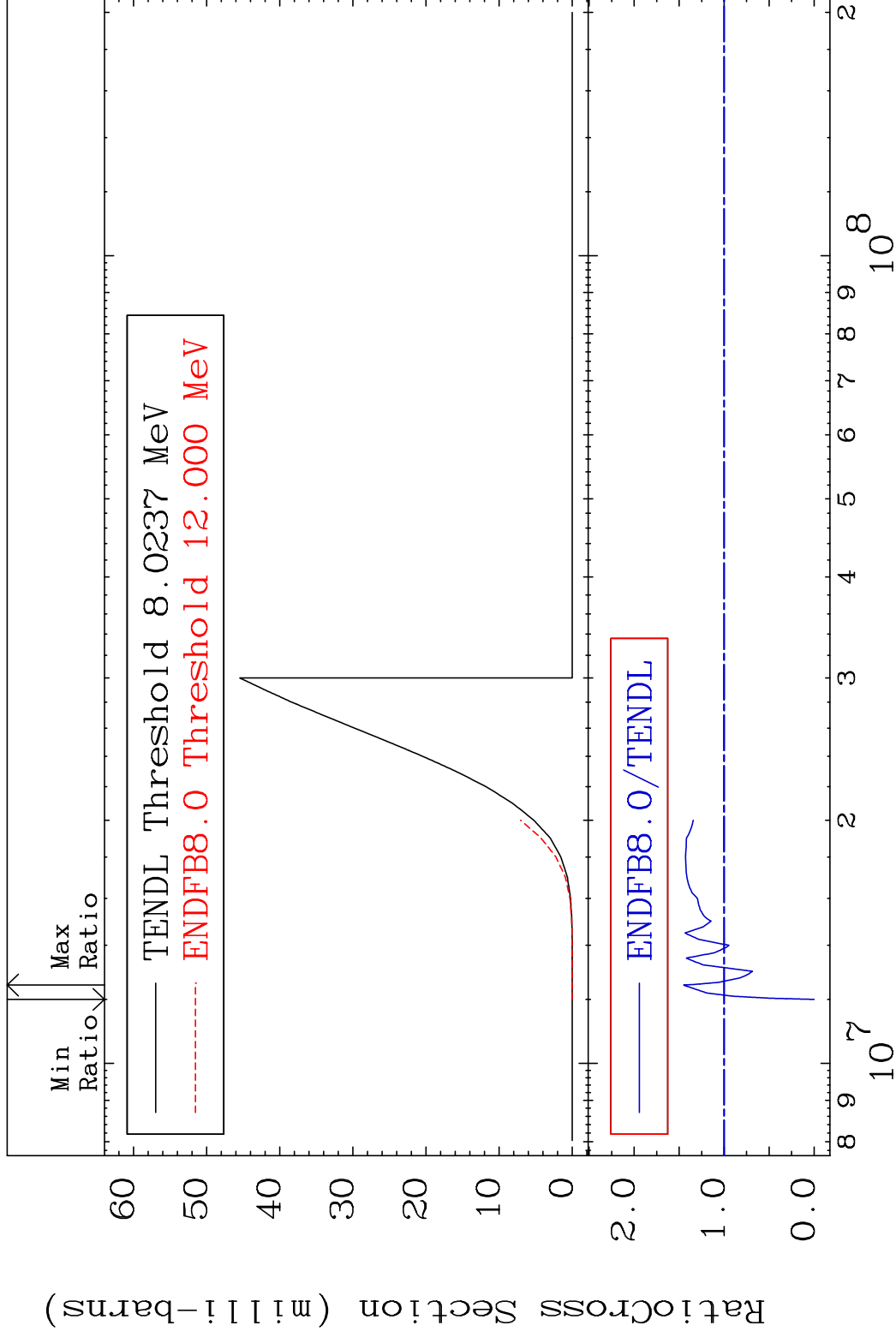
70-Yb-174

MAT 7043

(n, n') p

70-Yb-174

Cross Section -100.0 To 44.99 %



7

Incident Energy (eV)

70-Yb-174

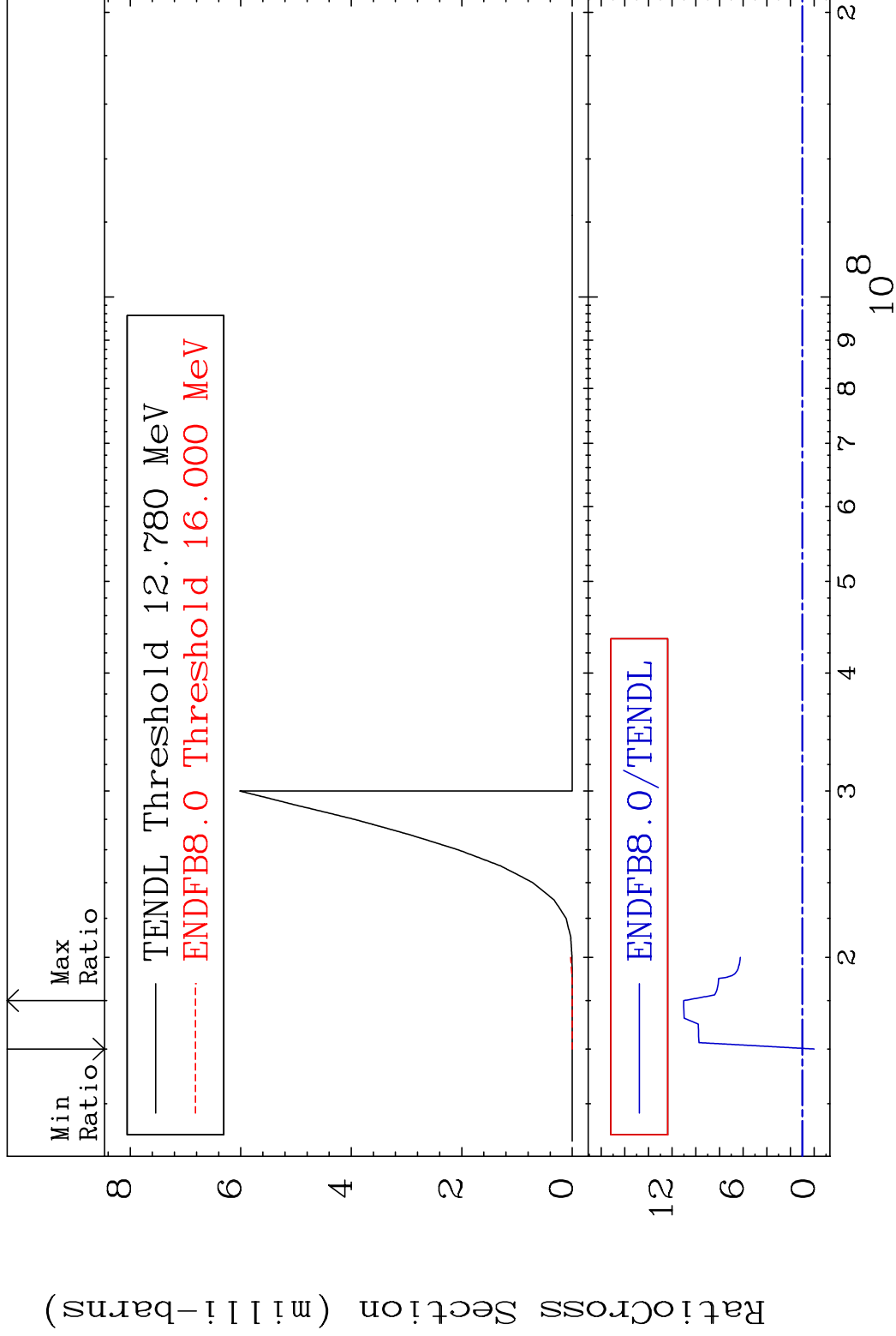


MAT 7043

(n, n') d

70-Yb-174

Cross Section -100.0 To 1003. %

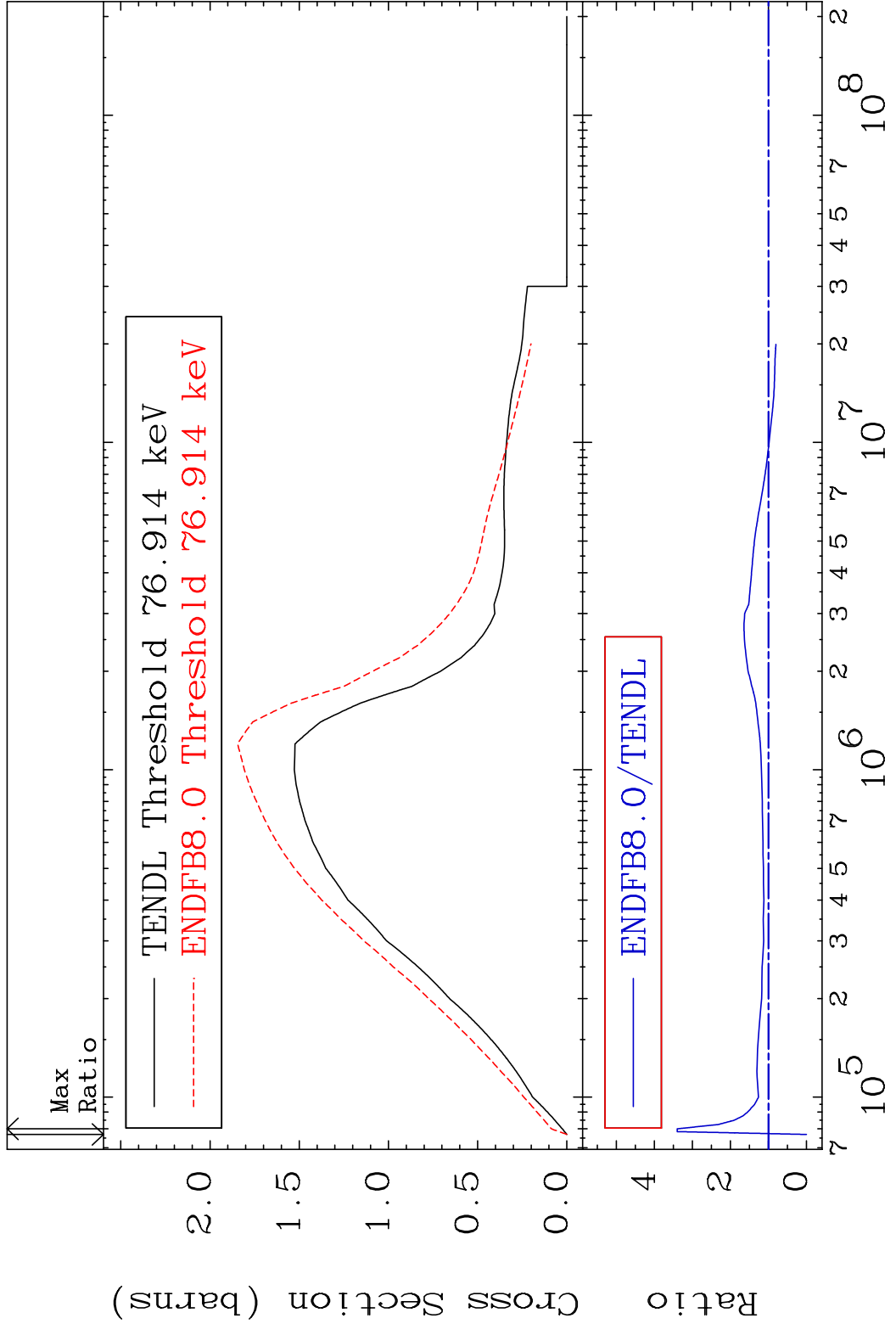


8

Incident Energy (eV)

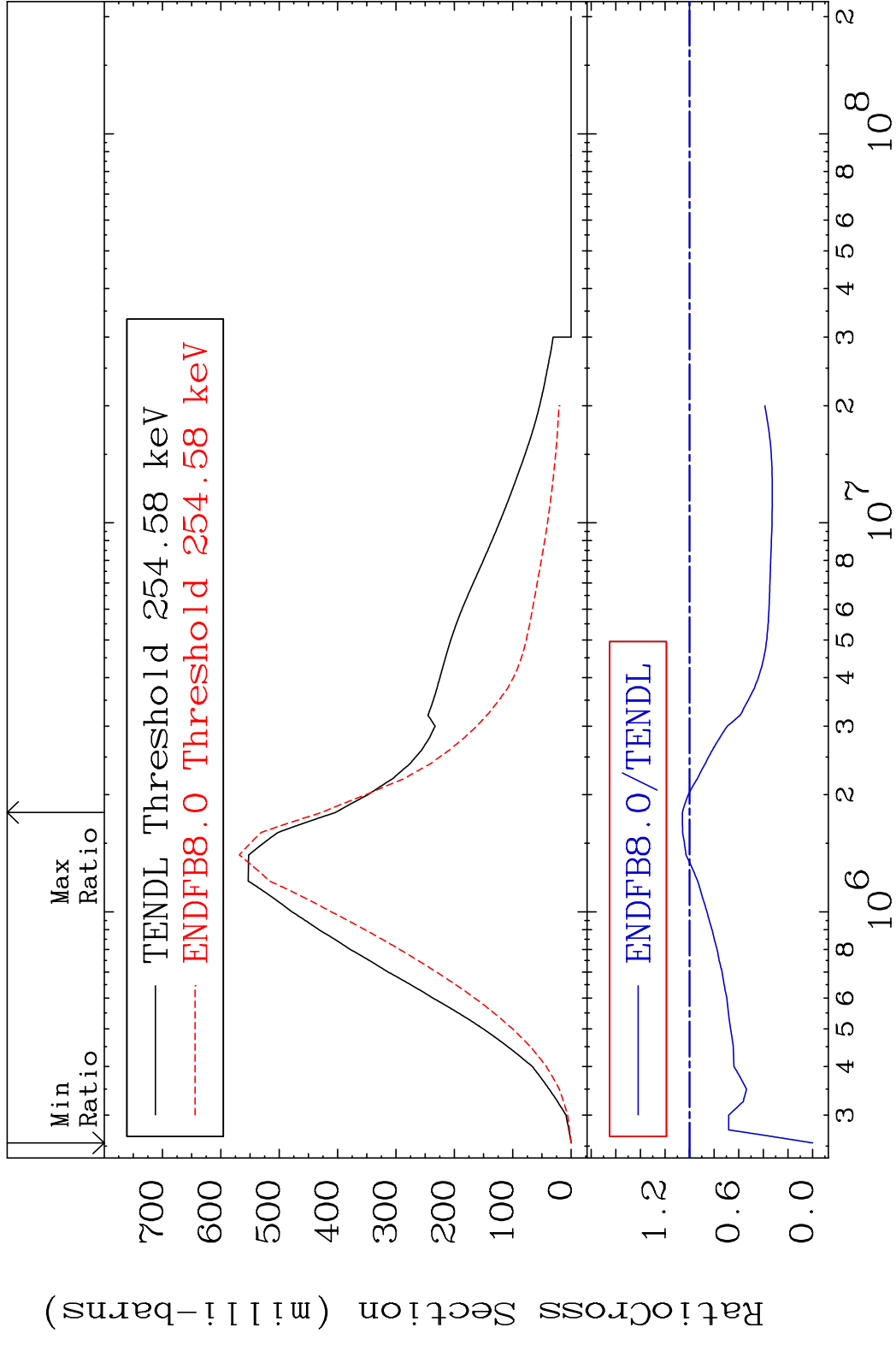
70-Yb-174

MAT 7043 MT= 51 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 239.9 %



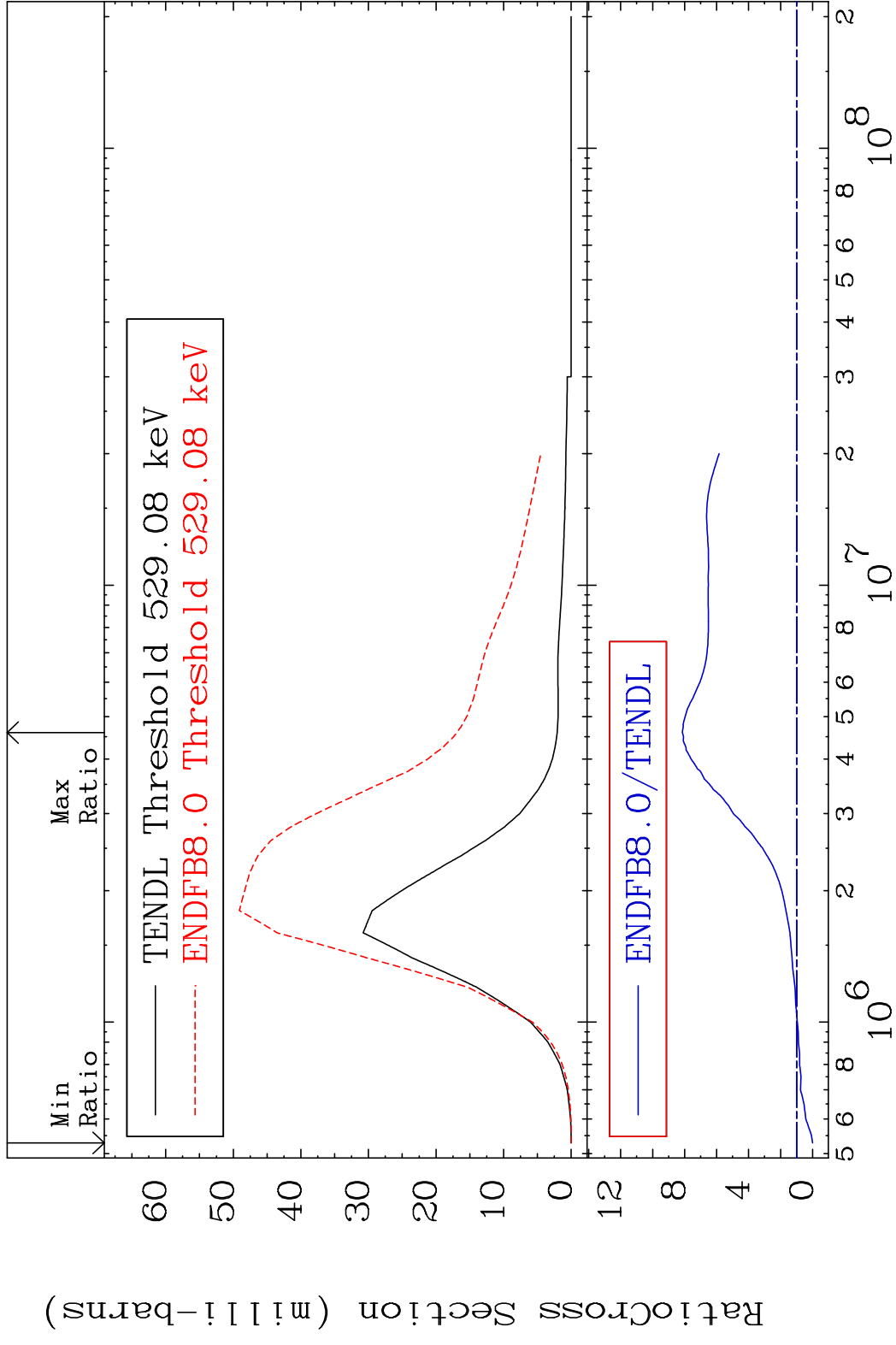
9 70-Yb-174

MAT 7043 MT= 52 (n,n') Level 70-Yb-174  
 Cross Section -100.0 To 5.865 %

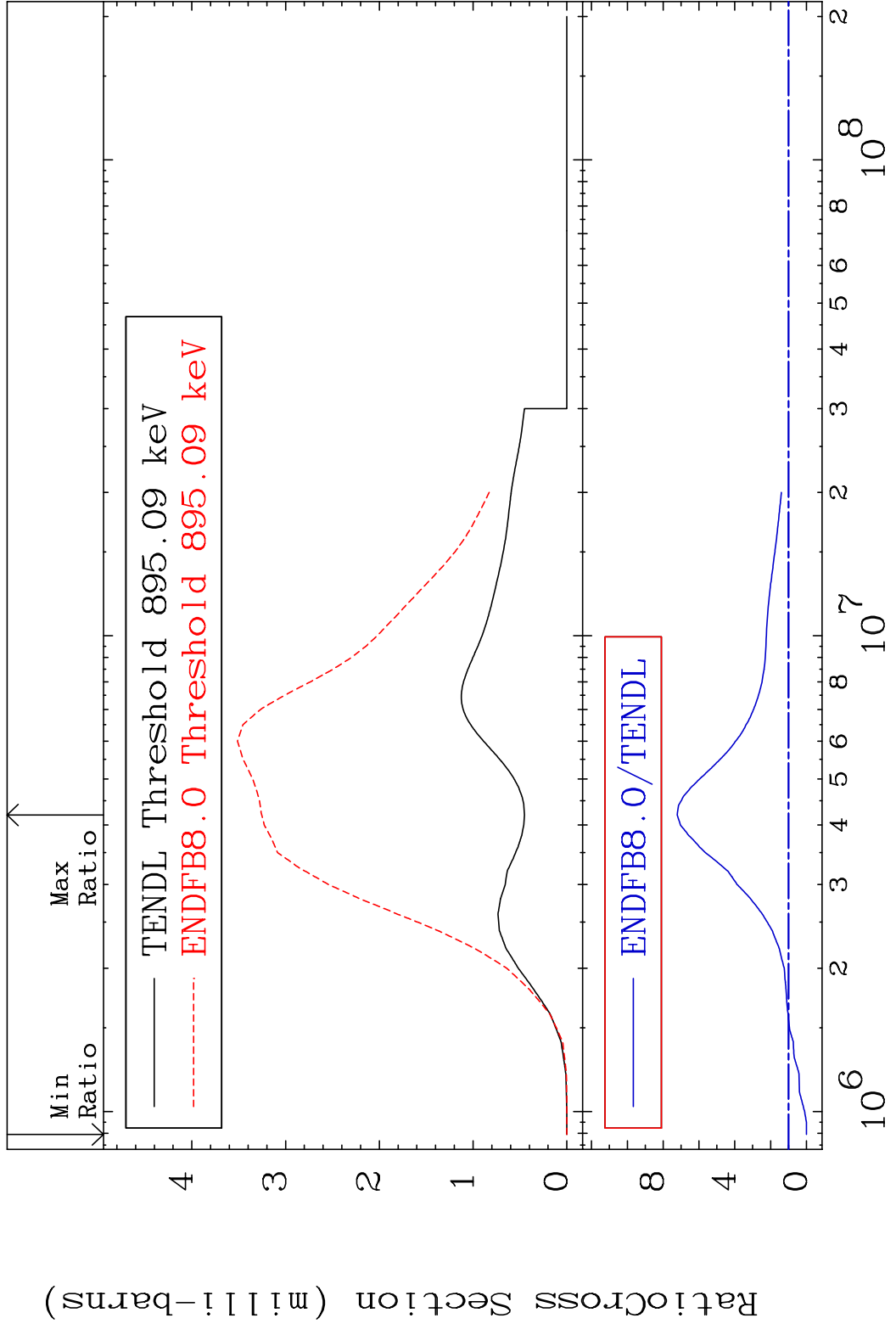


10 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 53 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 714.2 %

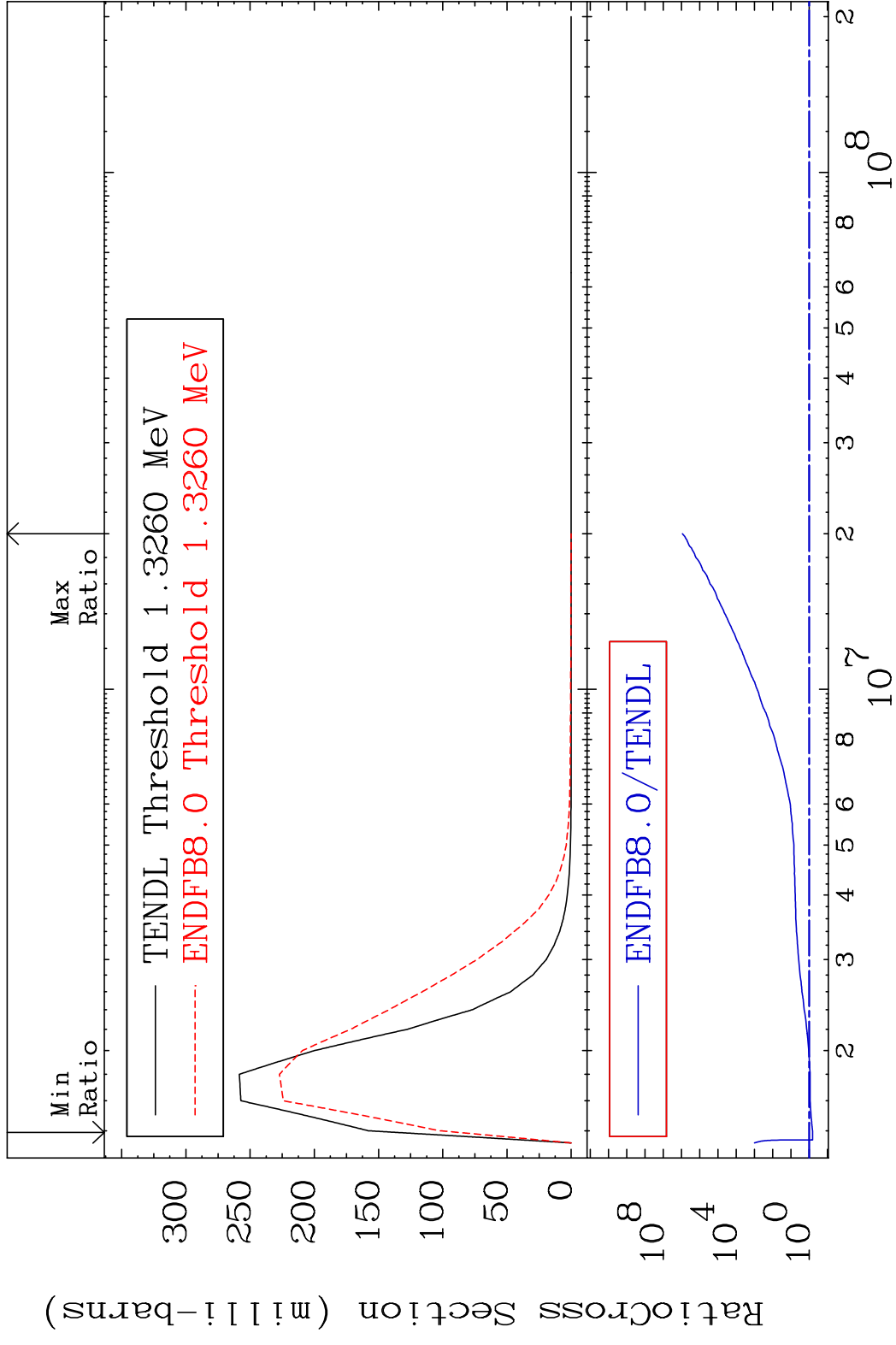


MAT 7043 MT= 54 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 621.5 %

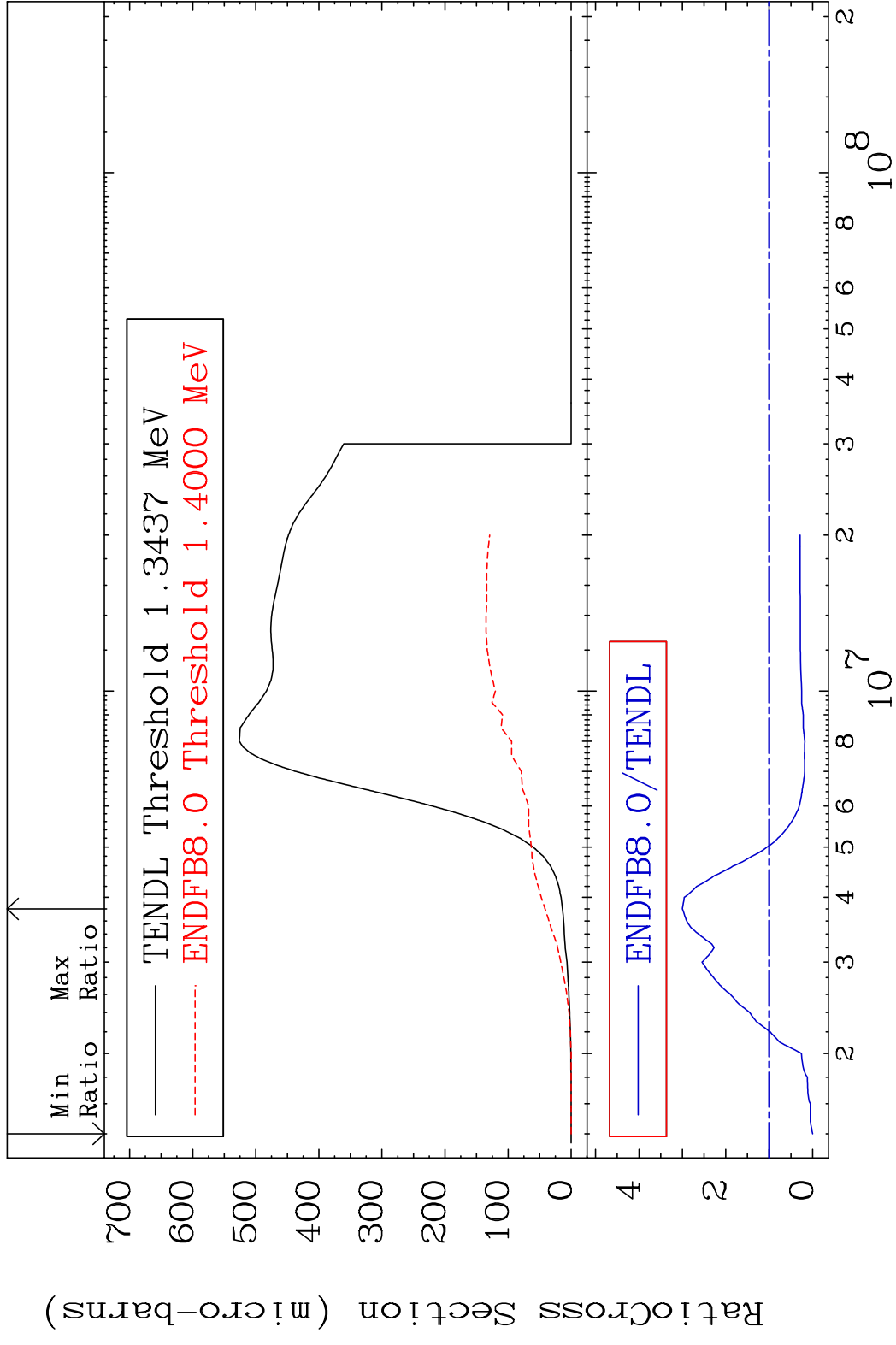


12 Incident Energy (eV) 70-Yb-174

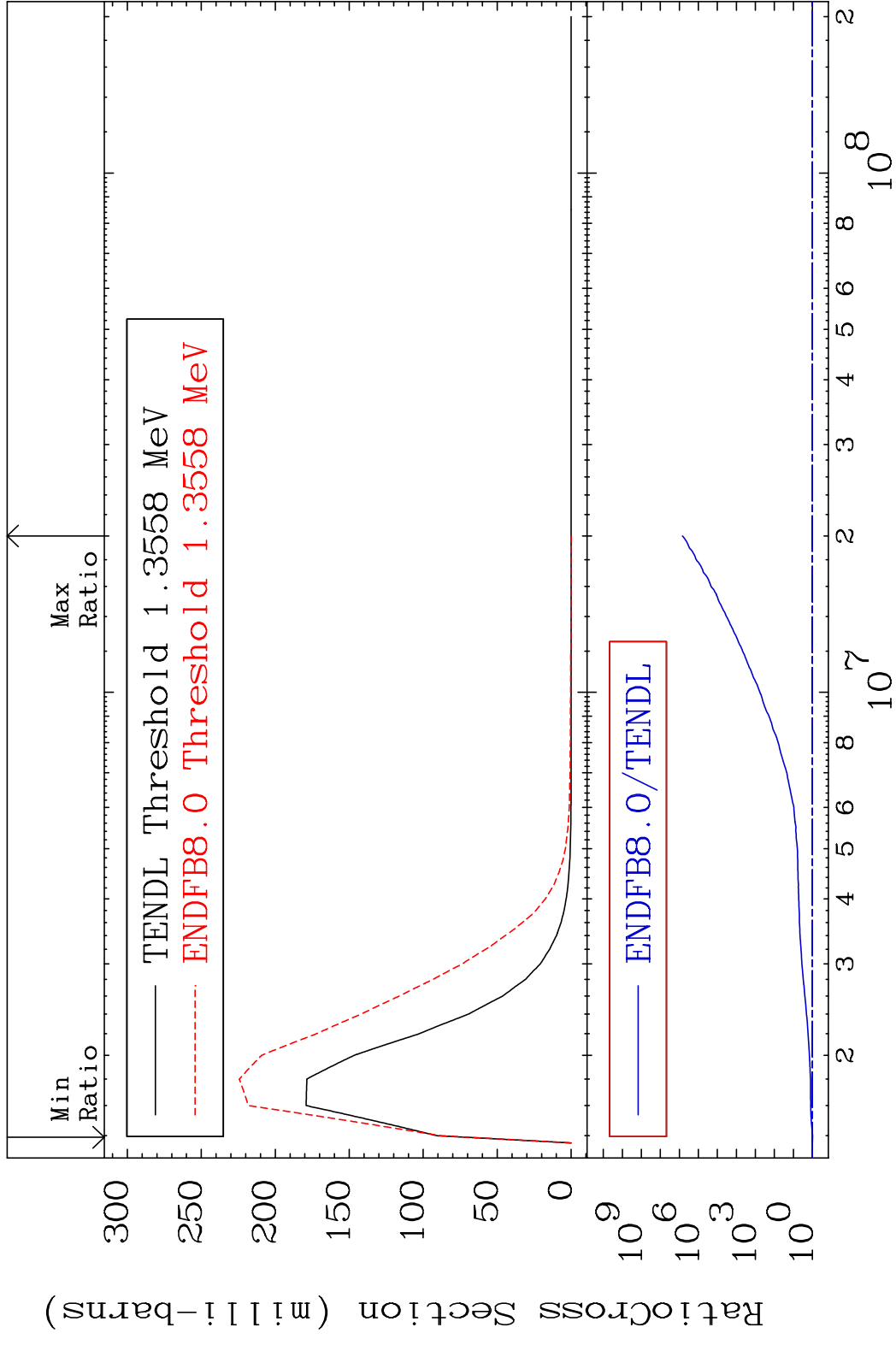
MAT 7043 MT= 55 (n, n') Level 70-Yb-174  
 Cross Section -35.27 To 9999. %



MAT 7043 MT= 56 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 200.0 %

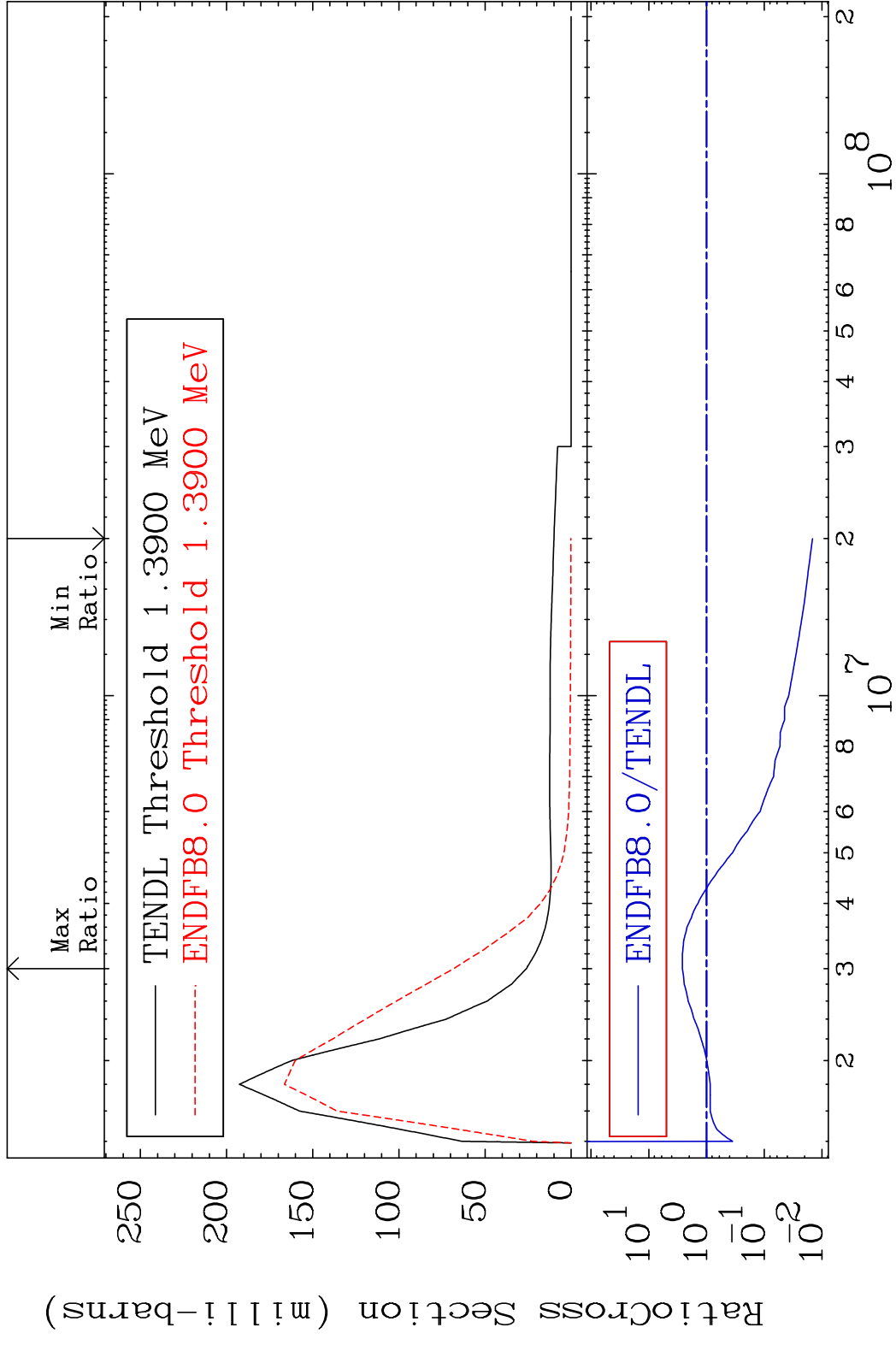


MAT 7043 MT= 57 (n, n') Level 70-Yb-174  
 Cross Section -2.619 To 9999. %

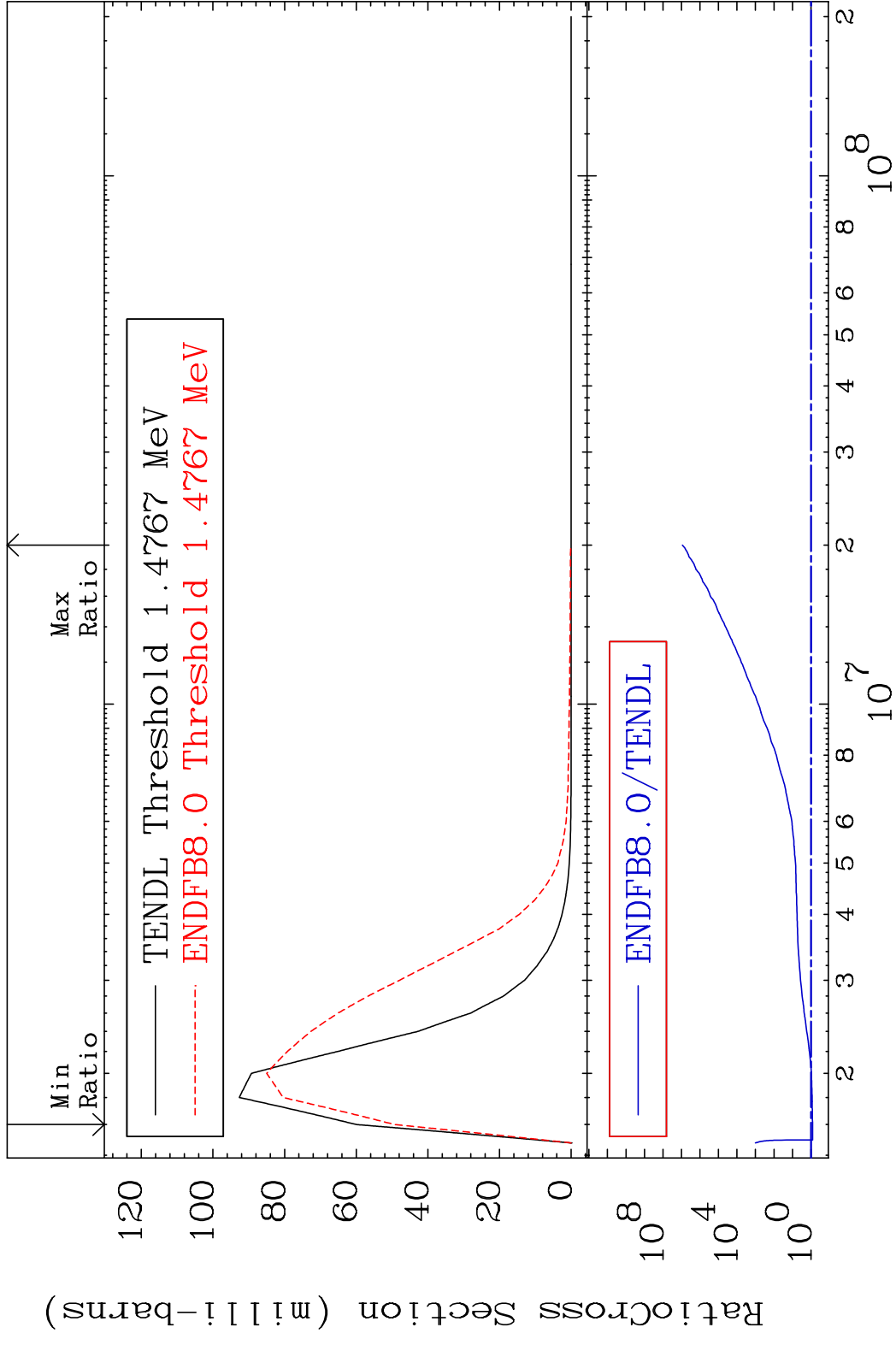




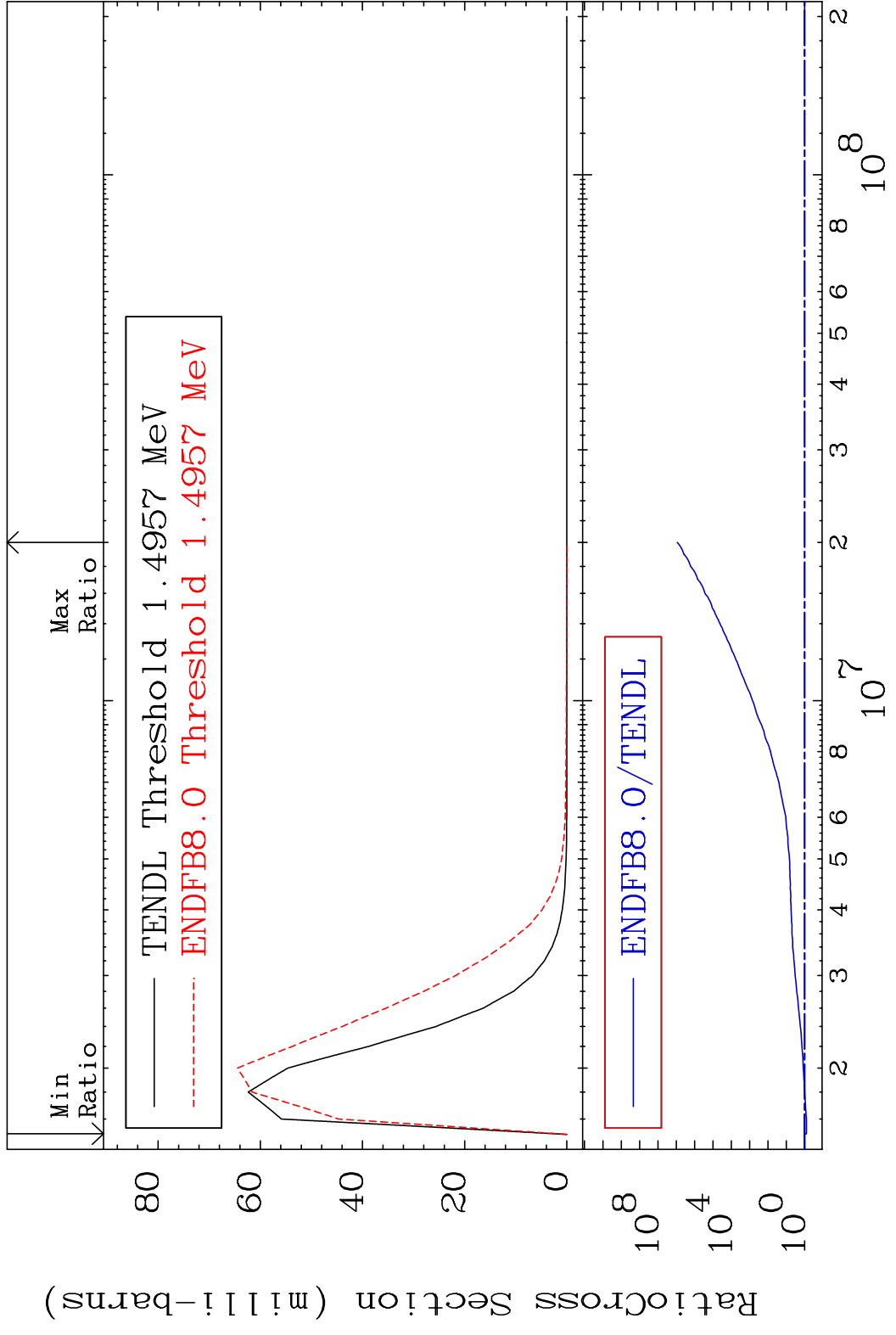
MAT 7043 MT= 58 (n, n') Level 70-Yb-174  
 Cross Section -98.54 To 162.1 %



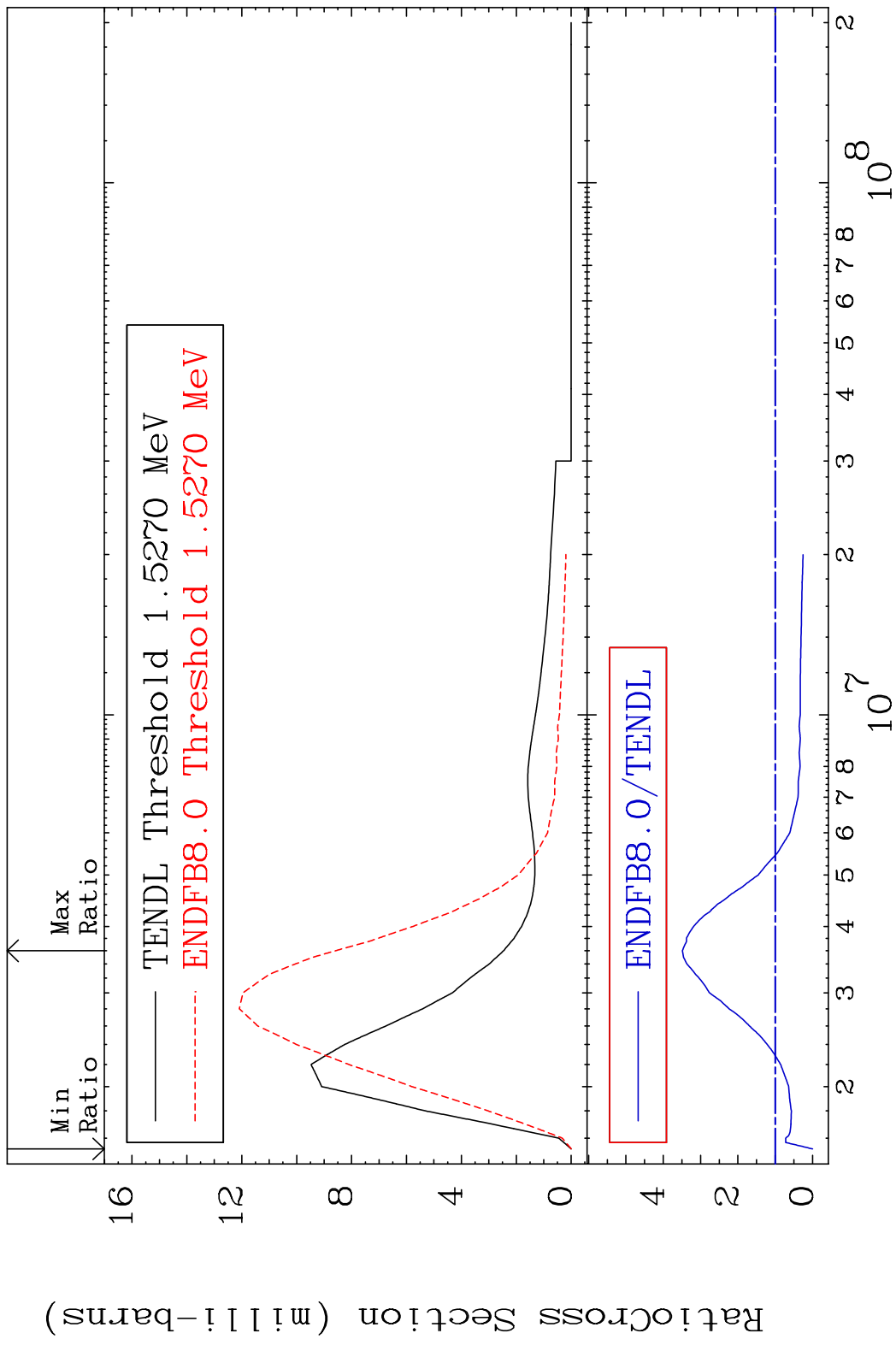
MAT 7043 MT= 59 (n, n') Level 70-Yb-174  
 Cross Section -17.77 To 9999. %



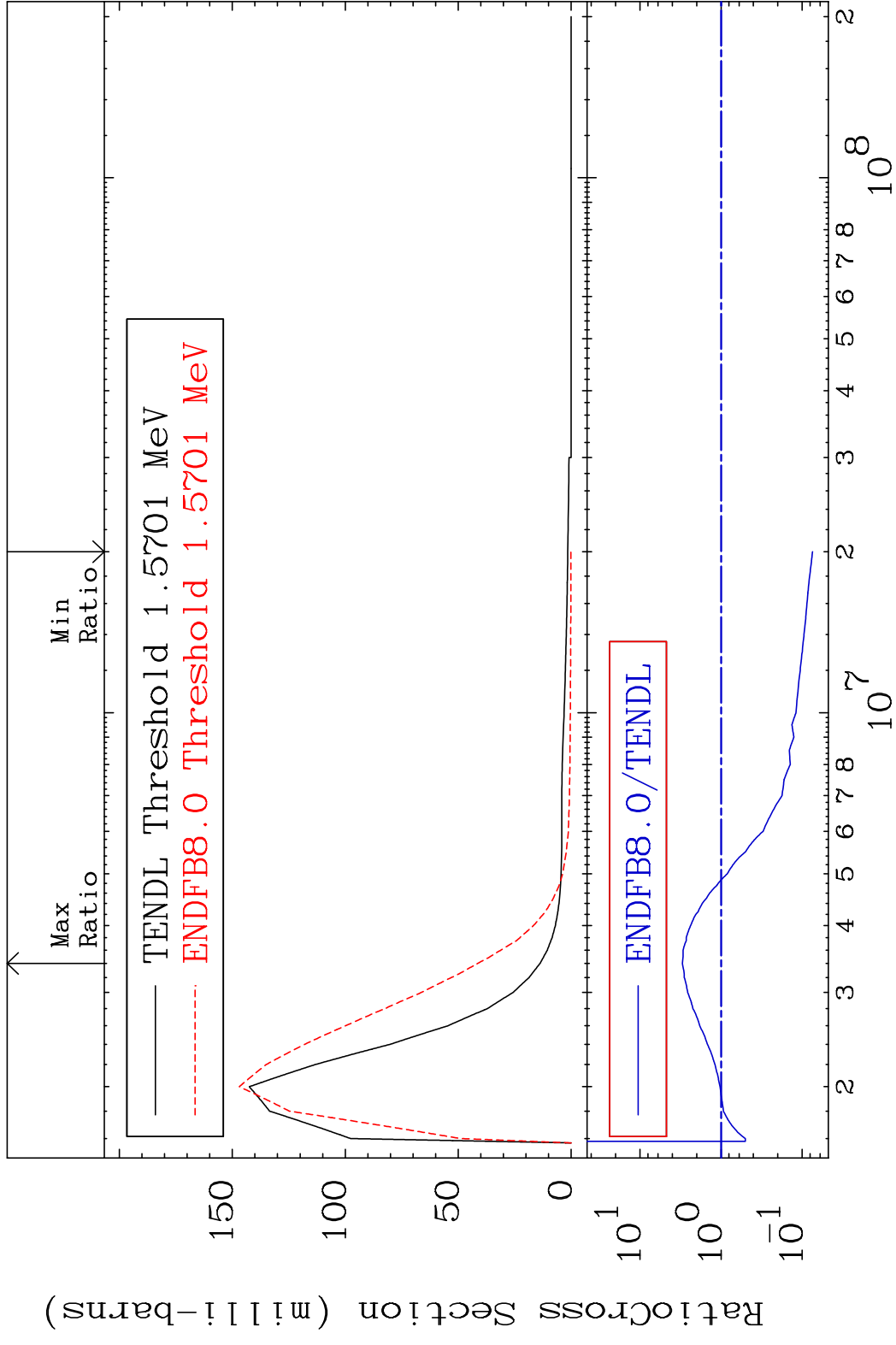
MAT 7043 MT= 60 (n, n') Level 70-Yb-174  
 Cross Section -20.04 To 9999. %



MAT 7043 MT= 61 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 248.8 %

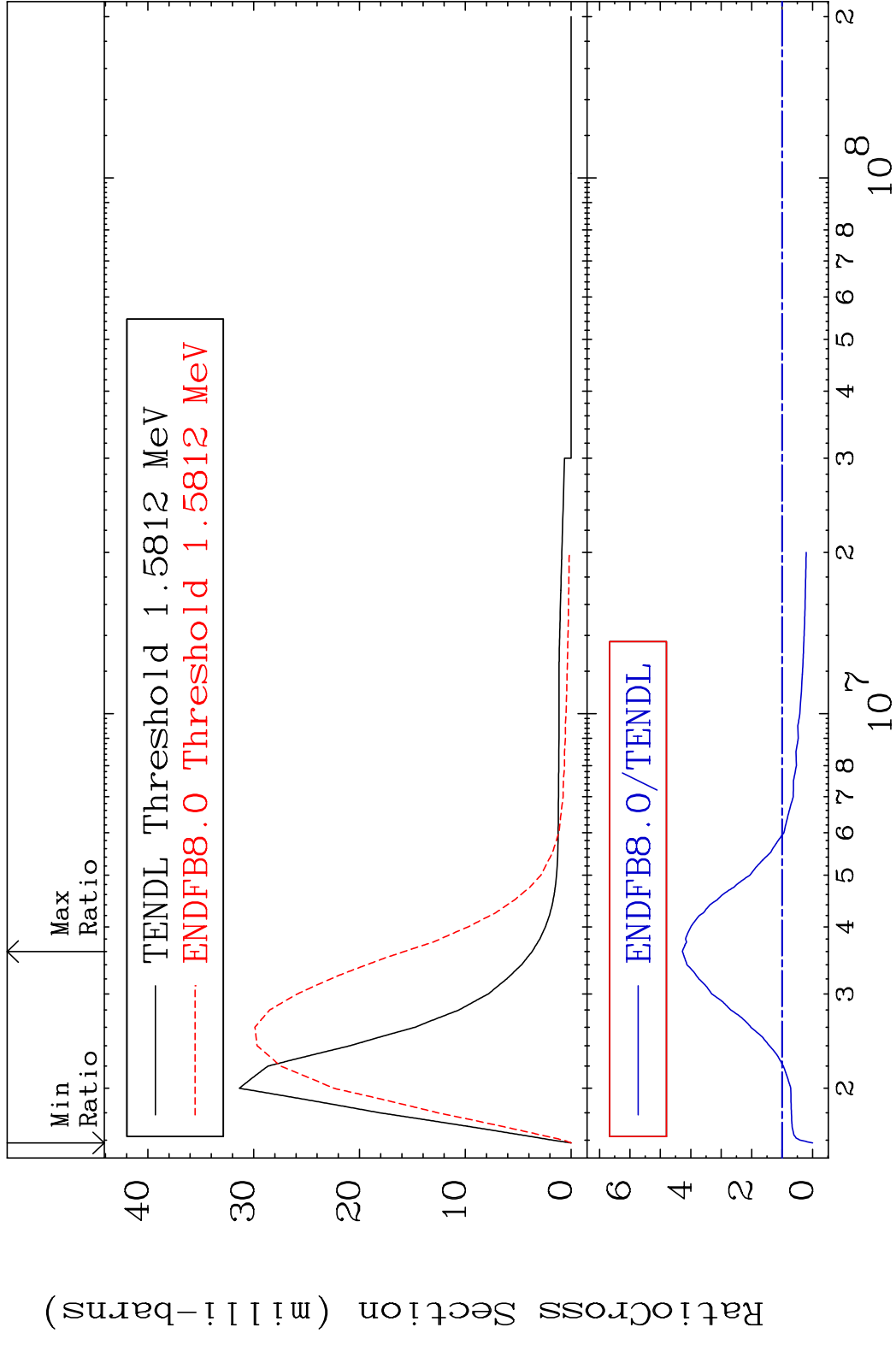


MAT 7043 MT= 62 (n, n') Level 70-Yb-174  
 Cross Section -92.55 To 200.5 %

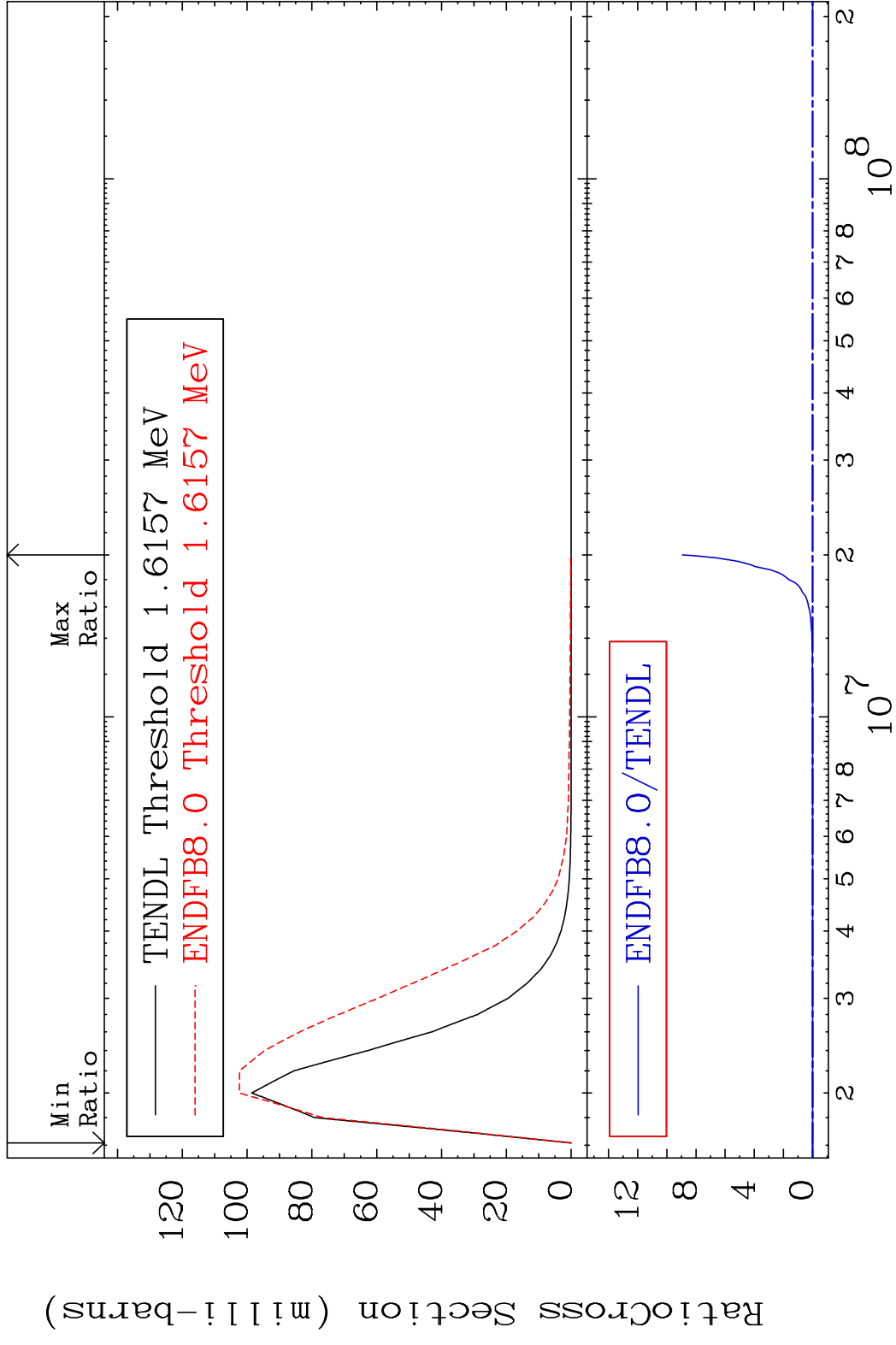


20 Incident Energy (eV) 70-Yb-174

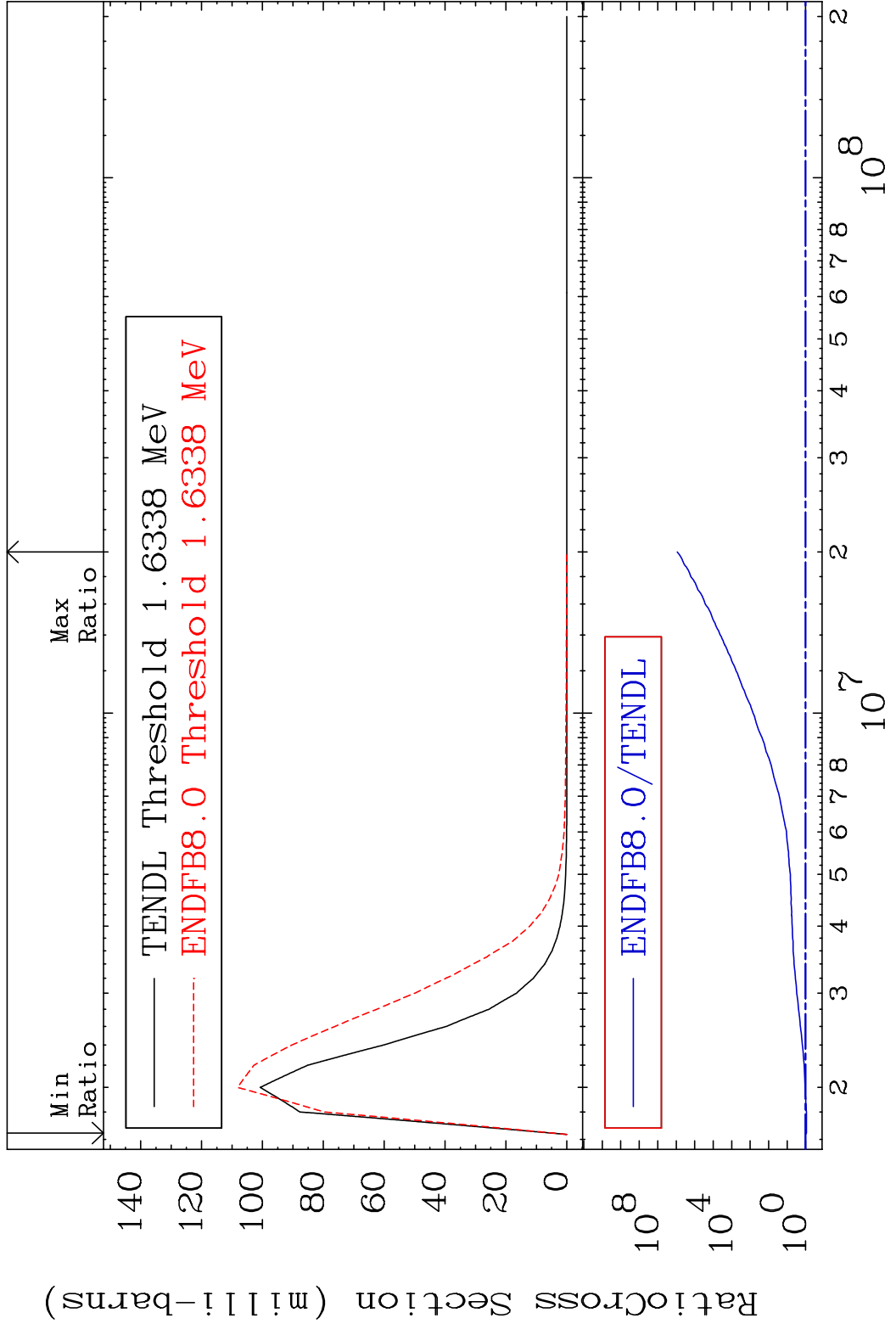
MAT 7043 MT= 63 (n,n') Level 70-Yb-174  
 Cross Section -100.0 To 327.8 %



MAT 7043 MT= 64 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 9999. %

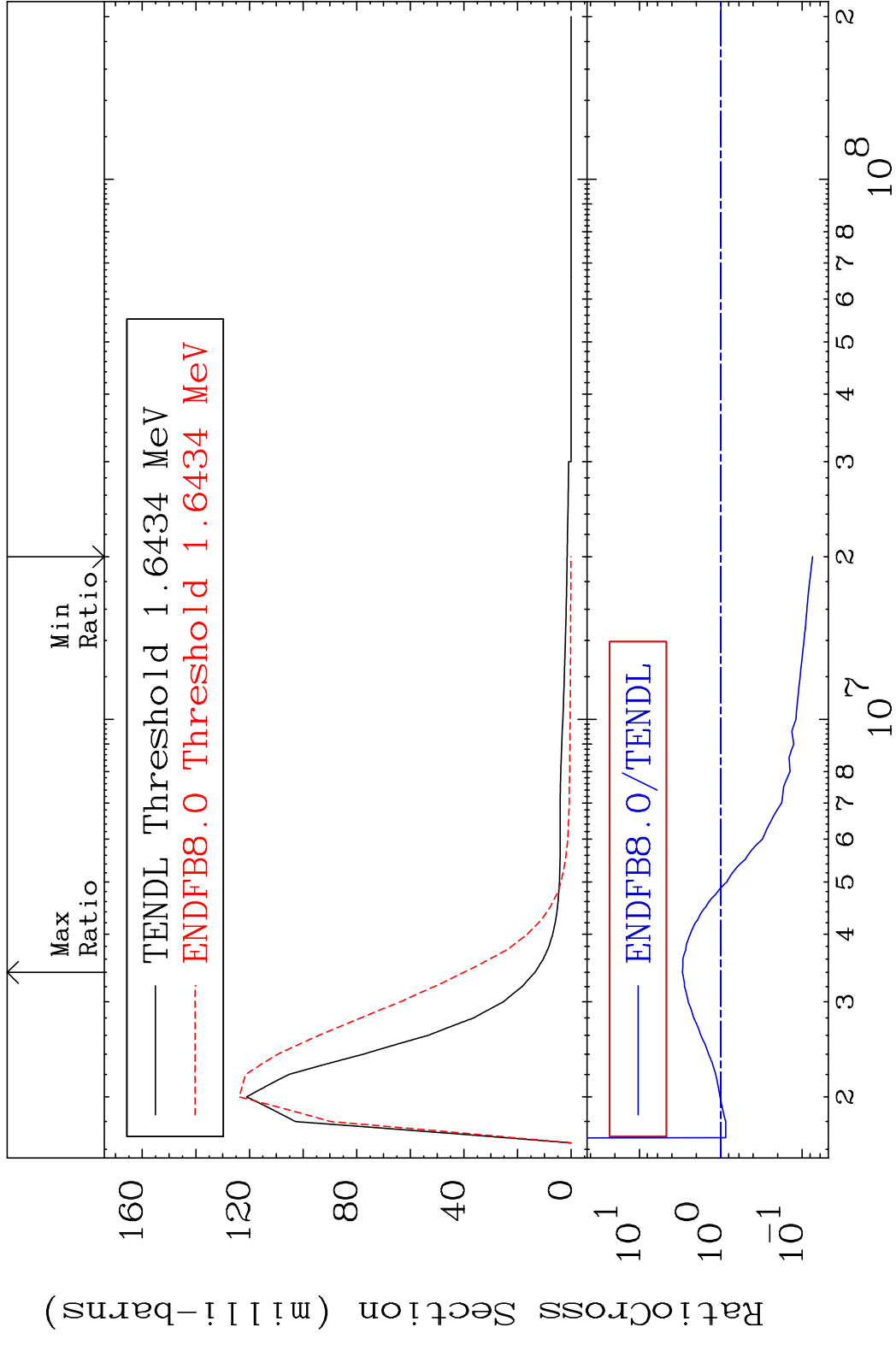


MAT 7043 MT= 65 (n, n') Level 70-Yb-174  
 Cross Section -8.983 To 9999. %

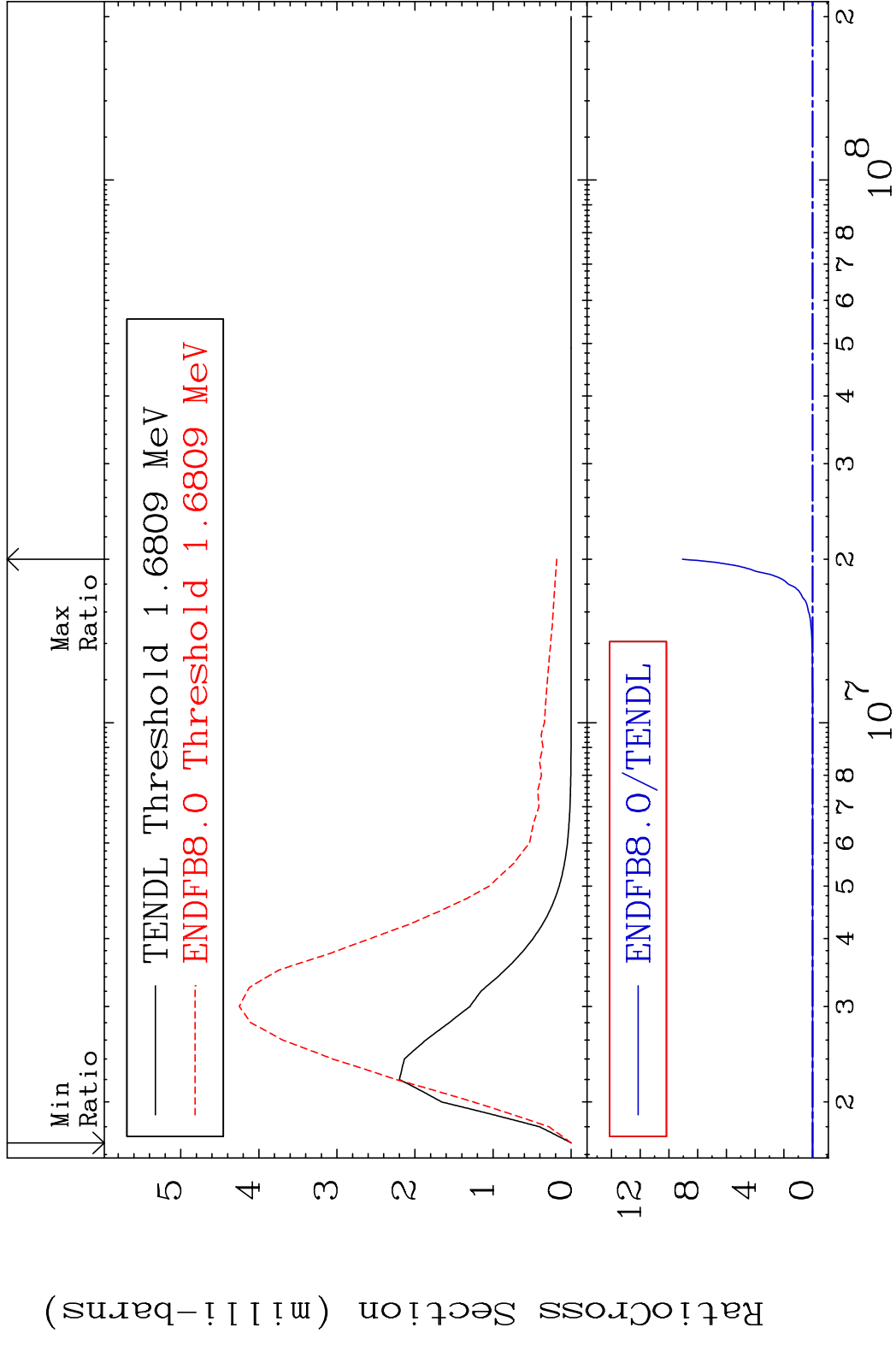




MAT 7043 MT= 66 (n, n') Level 70-Yb-174  
 Cross Section -92.54 To 197.0 %

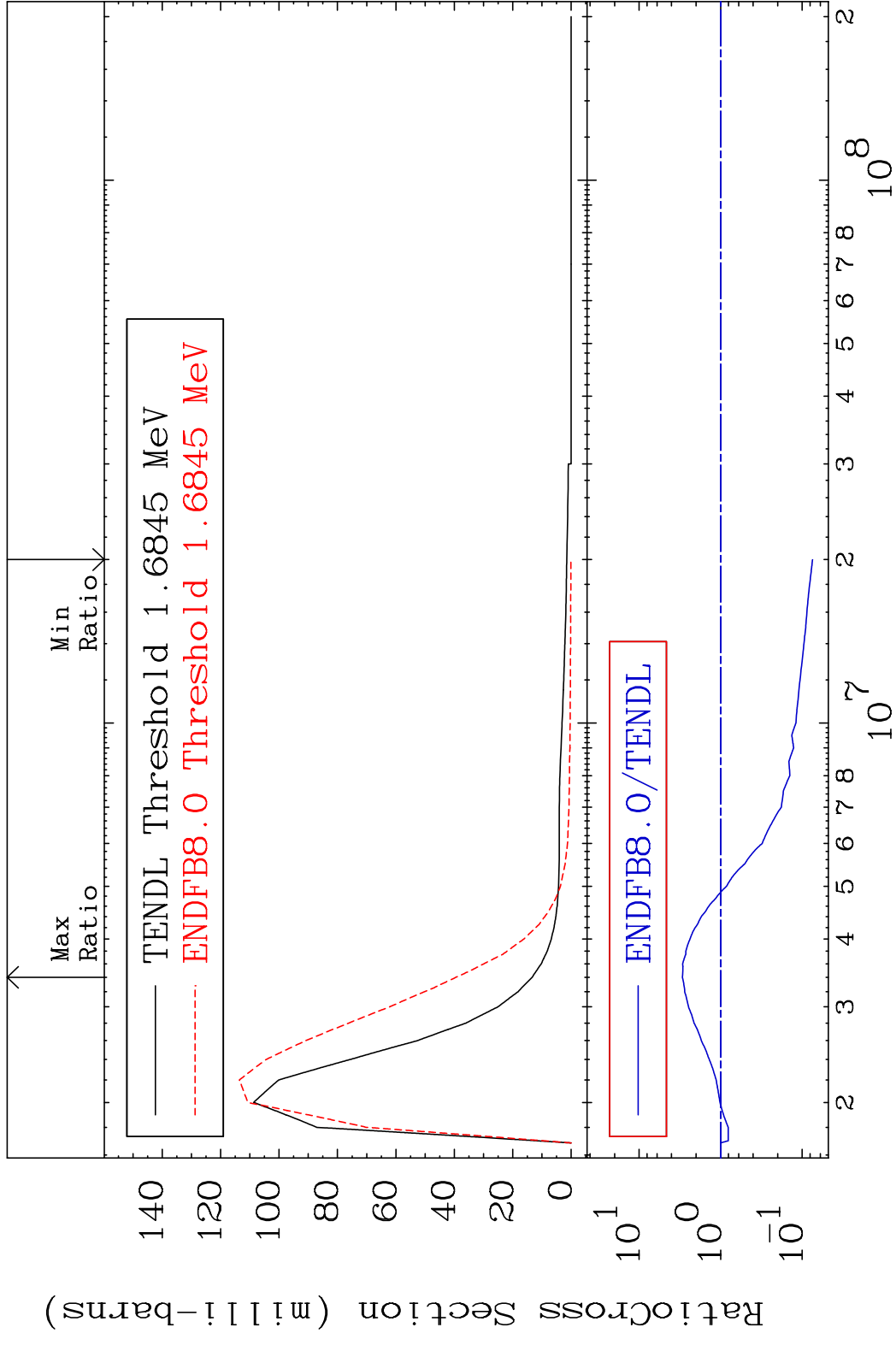


MAT 7043 MT= 67 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 9999. %

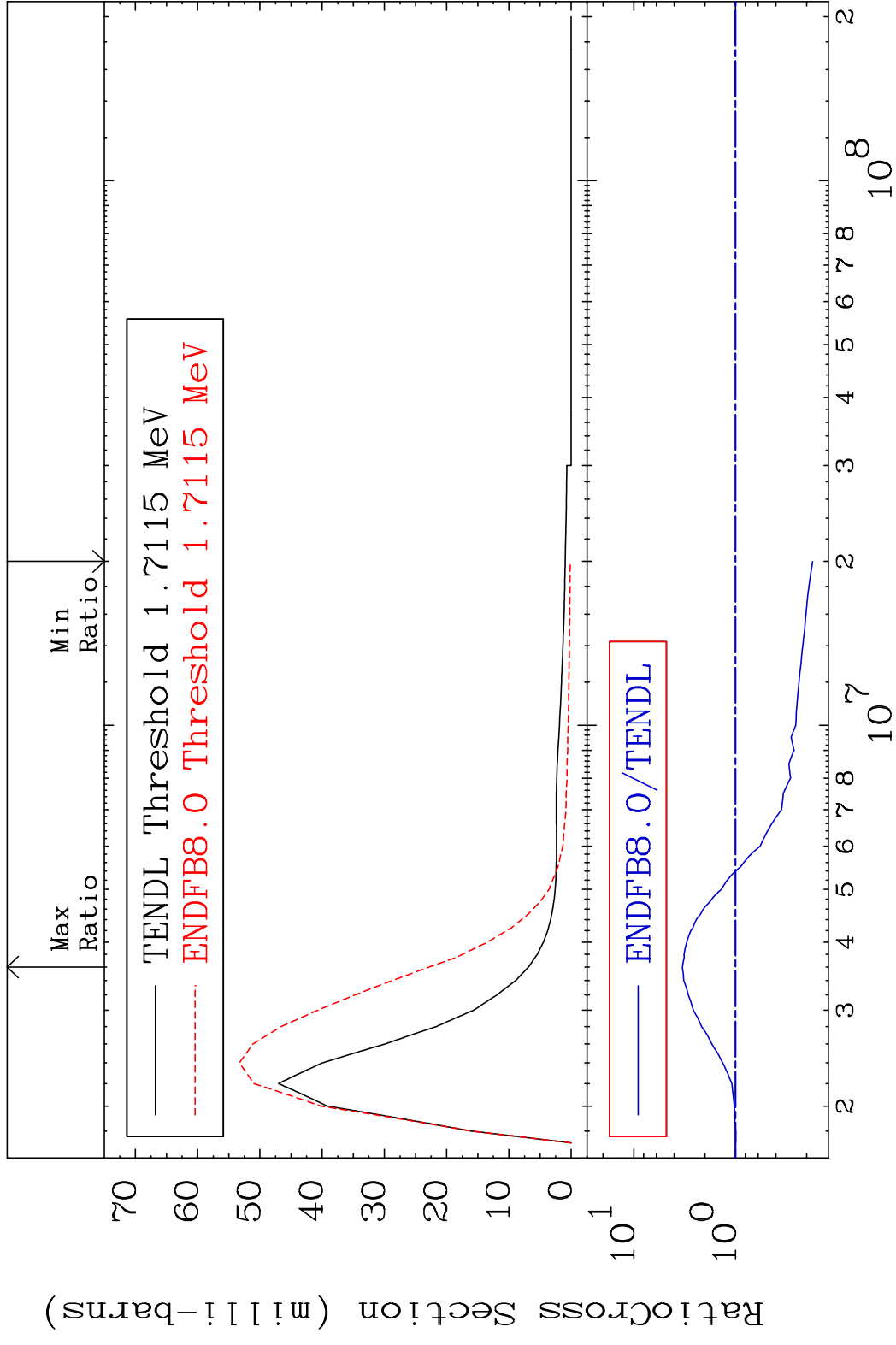


25 Incident Energy (eV) 70-Yb-174

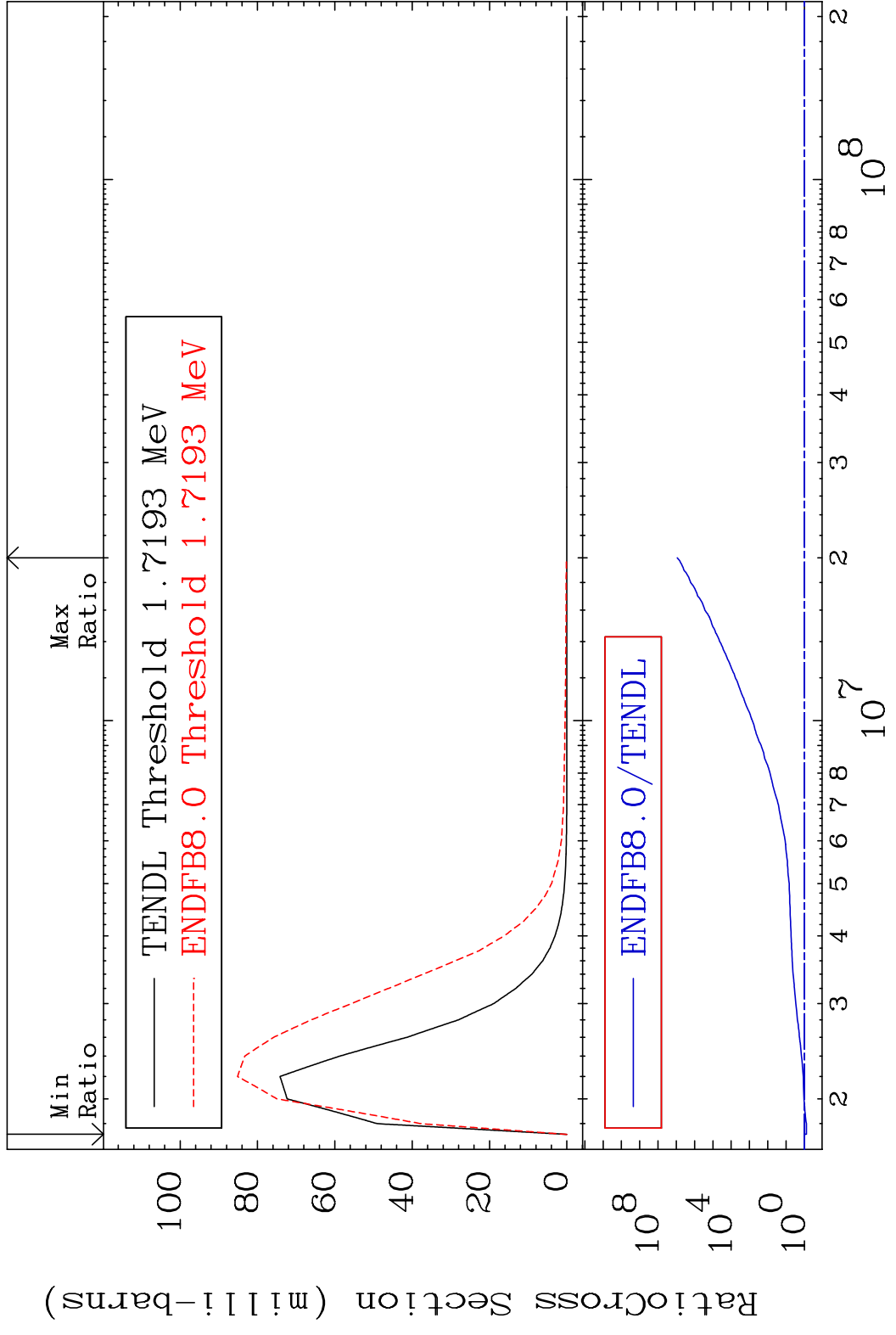
MAT 7043 MT= 68 (n, n') Level 70-Yb-174  
 Cross Section -92.53 To 194.8 %



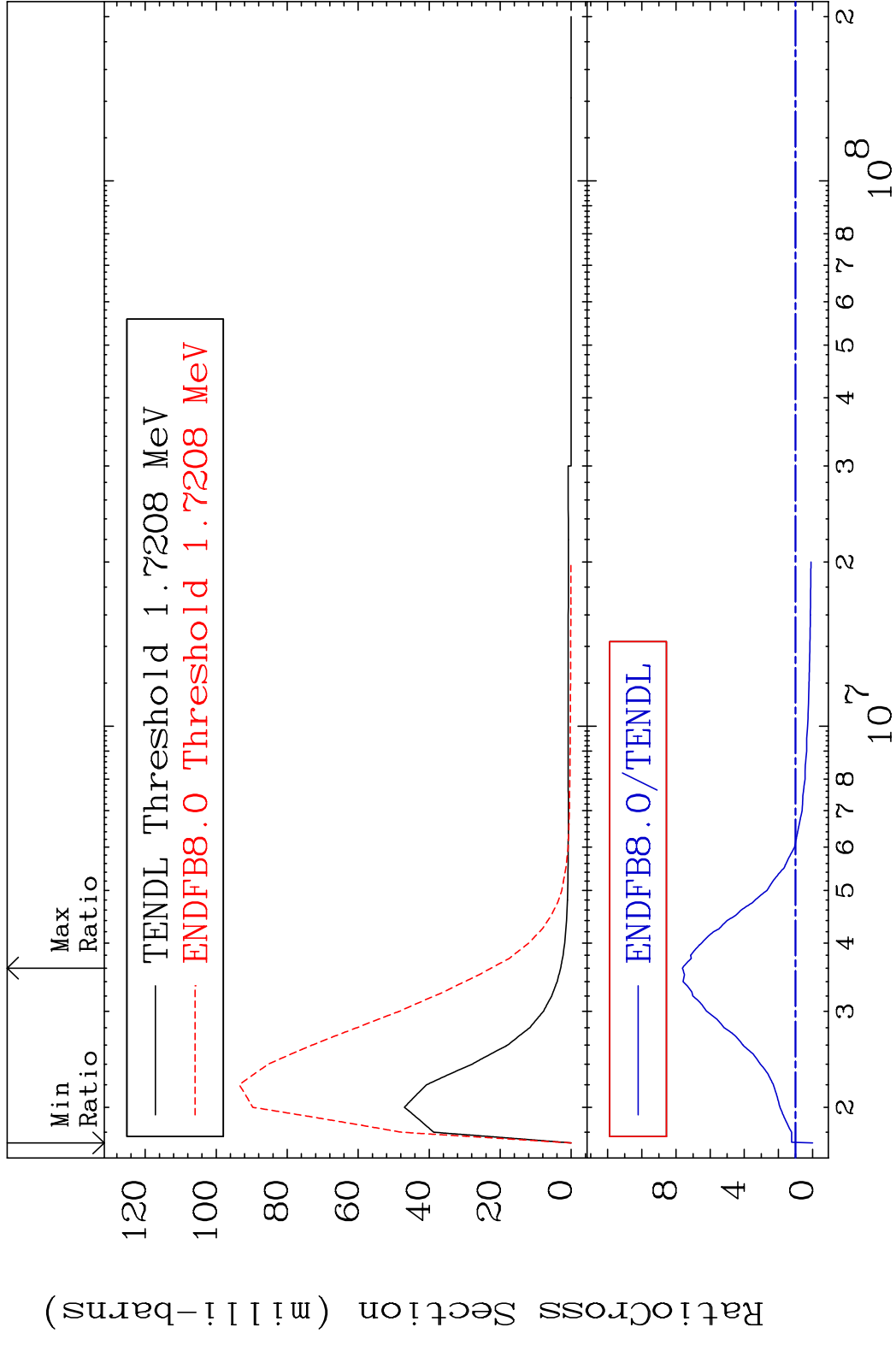
MAT 7043 MT= 69 (n, n') Level 70-Yb-174  
 Cross Section -82.51 To 232.8 %



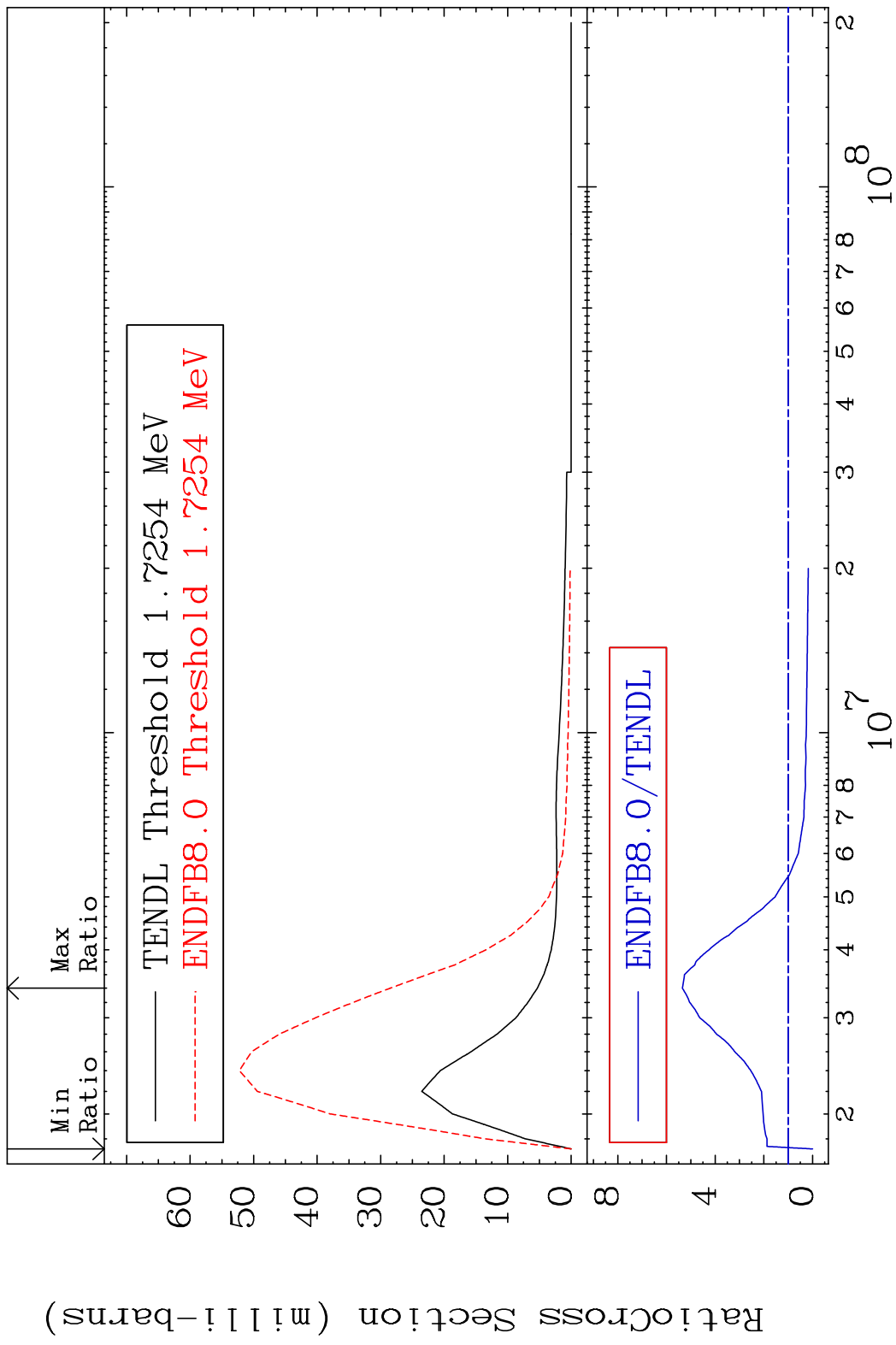
MAT 7043 MT= 70 (n, n') Level 70-Yb-174  
 Cross Section -23.09 To 9999. %



MAT 7043 MT= 71 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 662.7 %

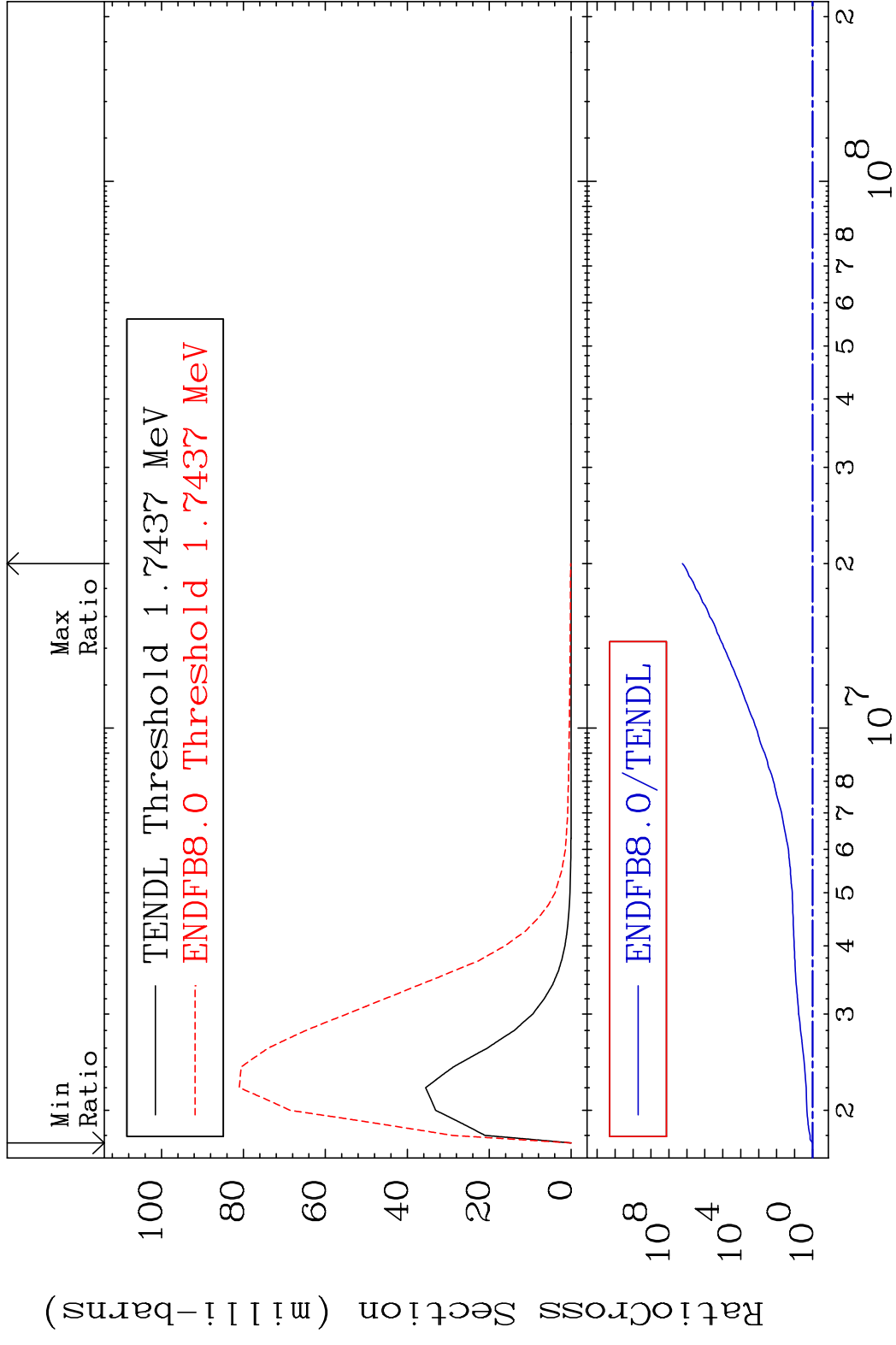


MAT 7043 MT= 72 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 434.8 %



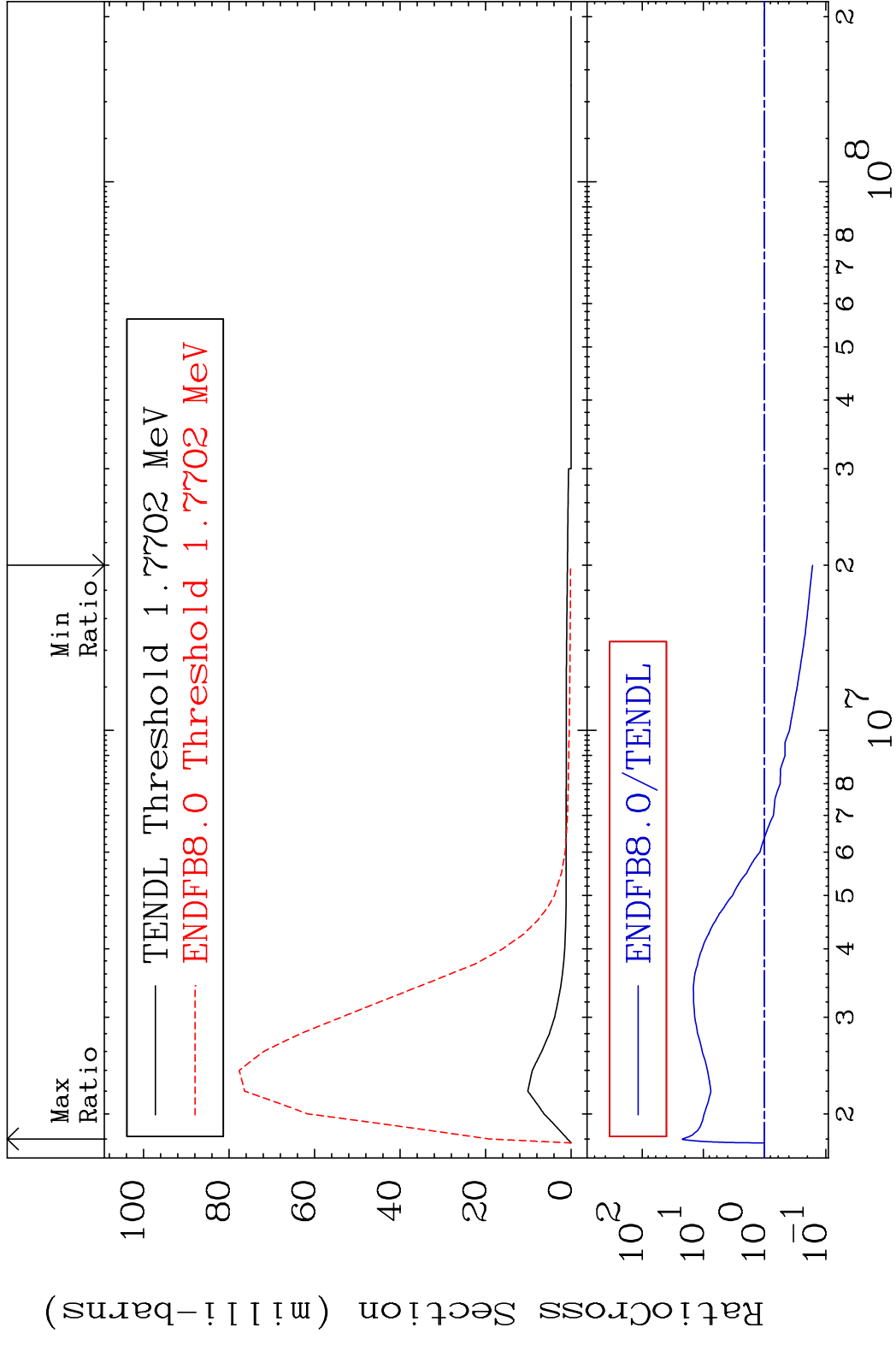
30 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 73 (n, n') Level 70-Yb-174  
 Cross Section 0.000 To 9999. %

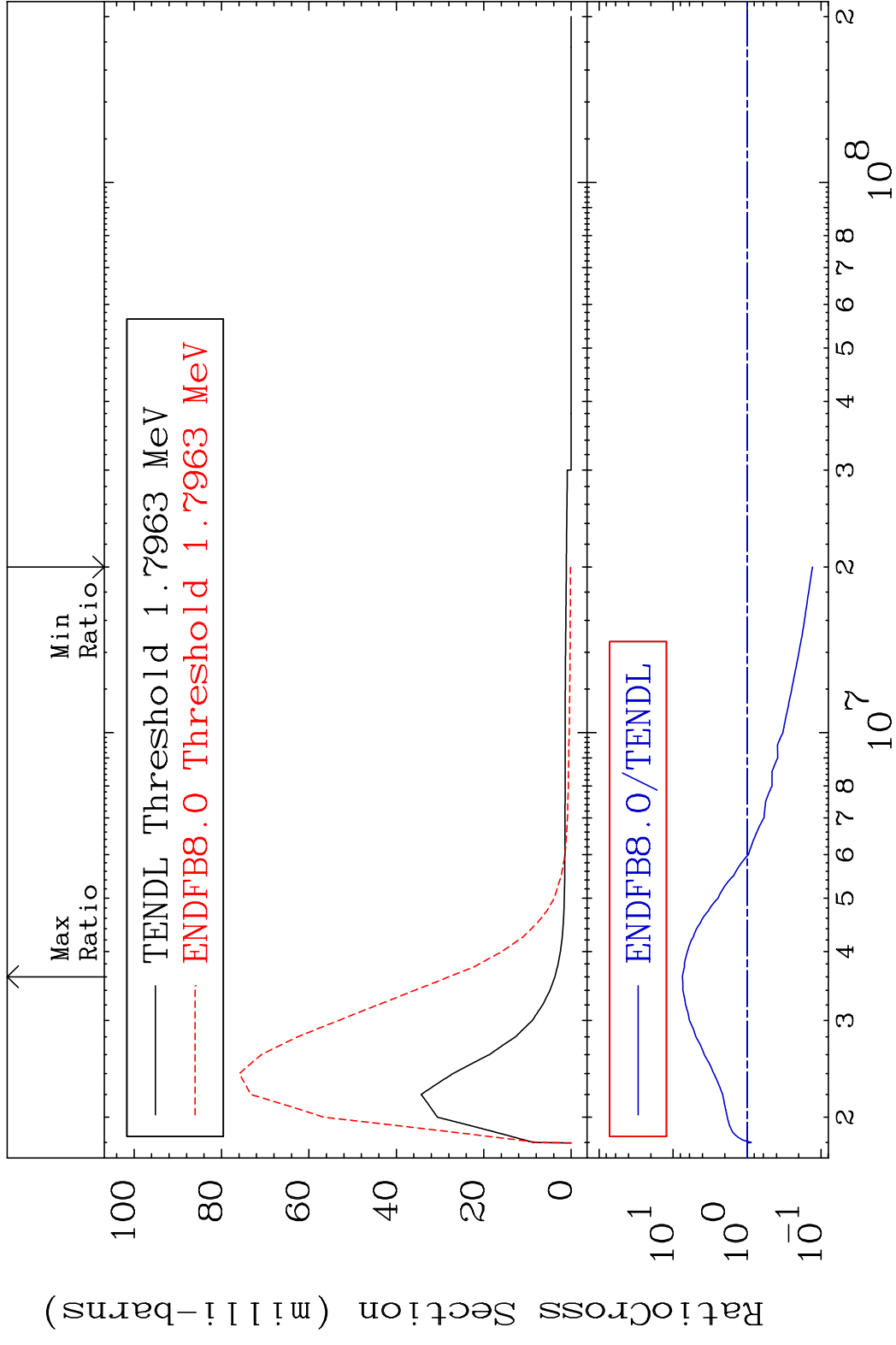




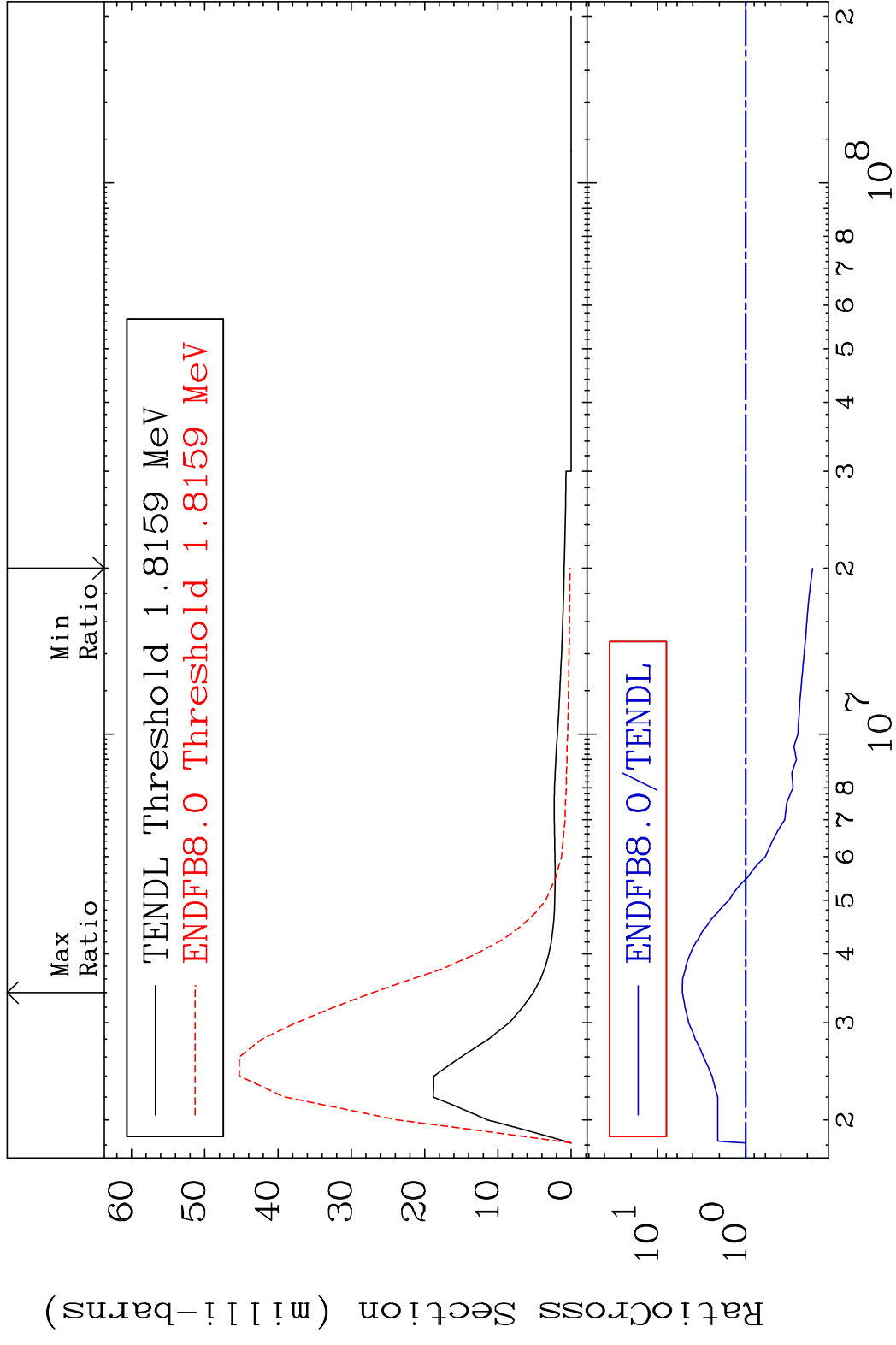
MAT 7043 MT= 74 (n, n') Level 70-Yb-174  
 Cross Section -83.55 To 2103. %



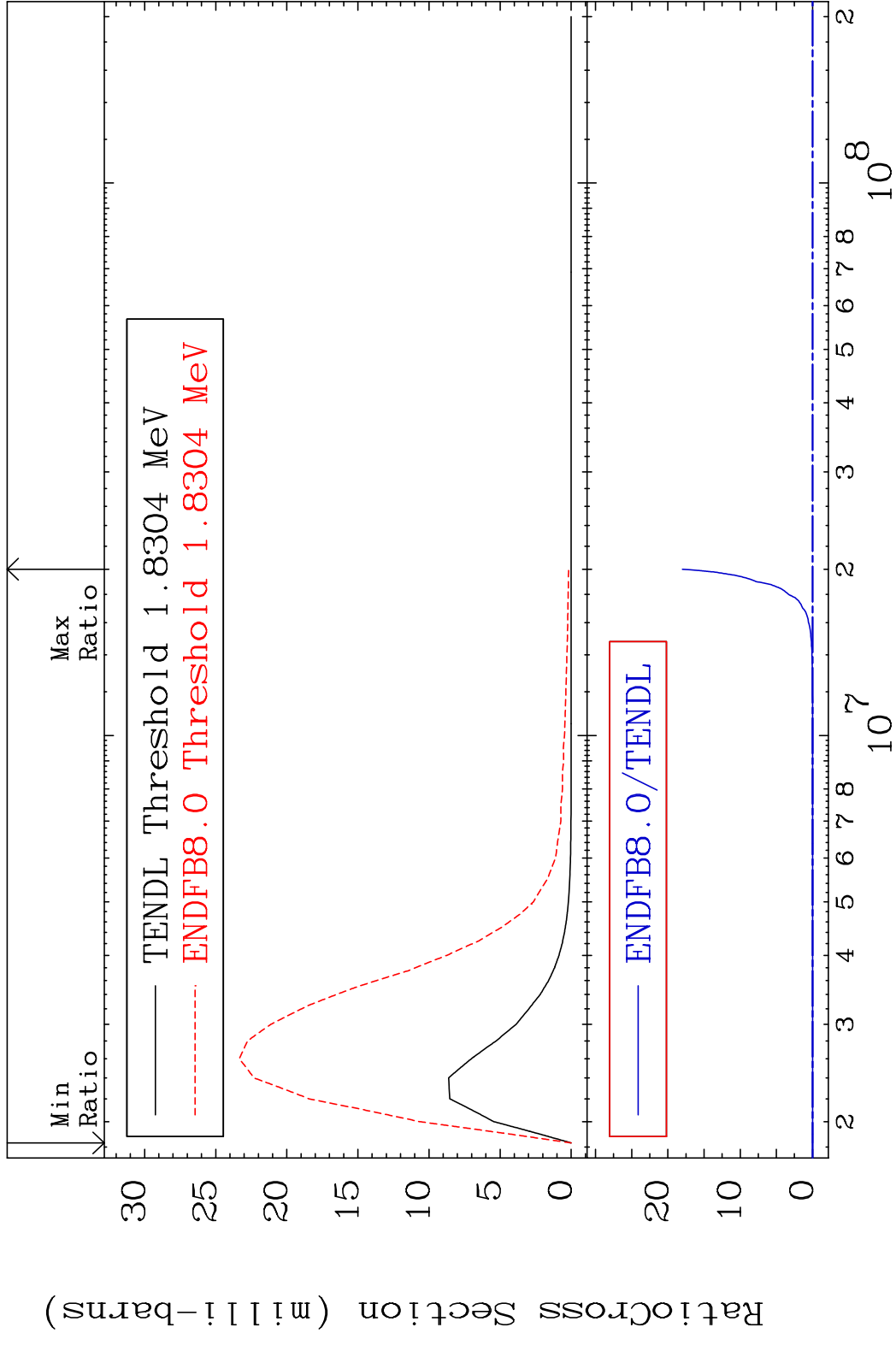
MAT 7043 MT= 75 (n, n') Level 70-Yb-174  
 Cross Section -86.99 To 649.4 %



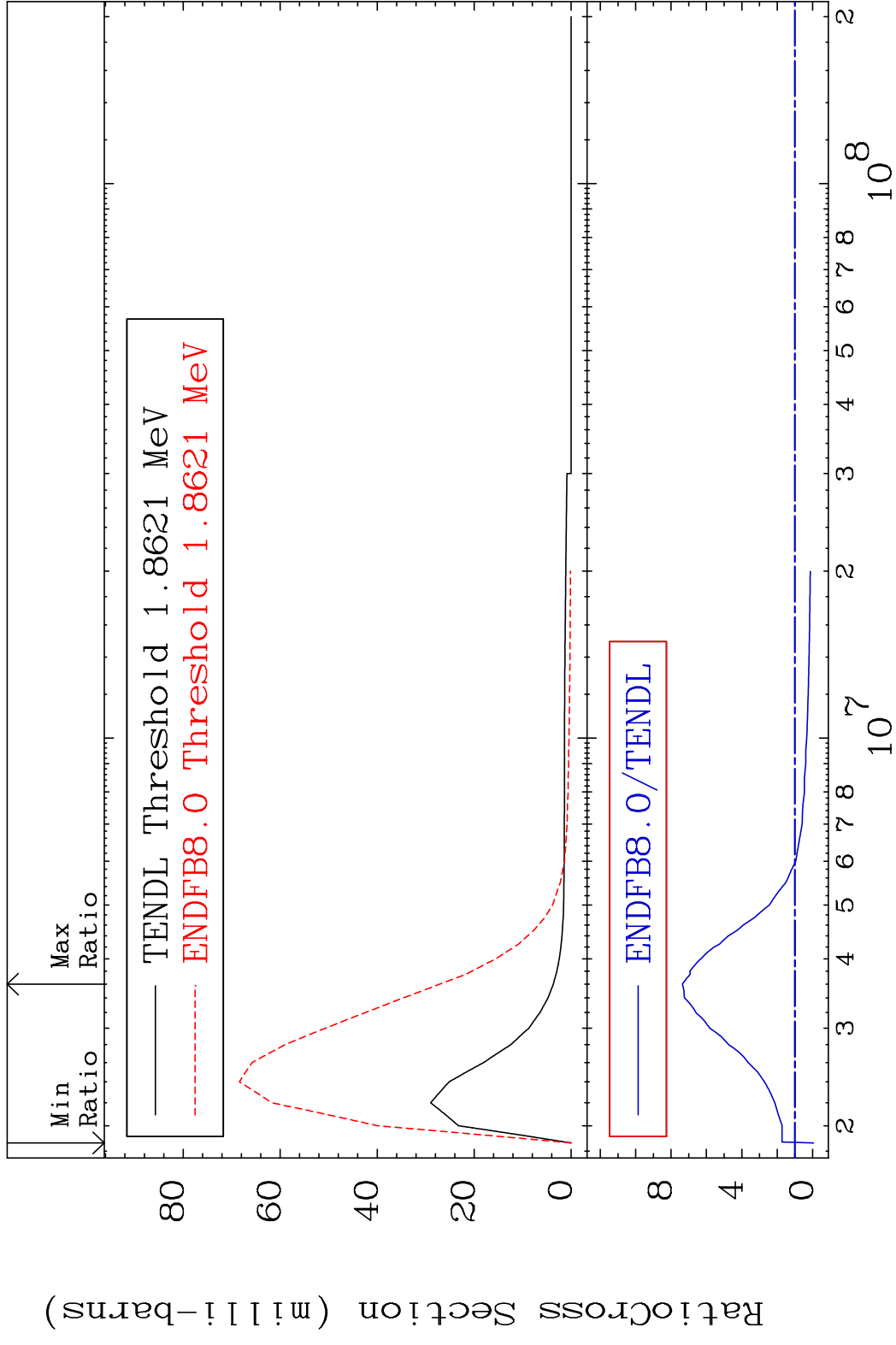
MAT 7043 MT= 76 (n, n') Level 70-Yb-174  
 Cross Section -82.50 To 423.8 %



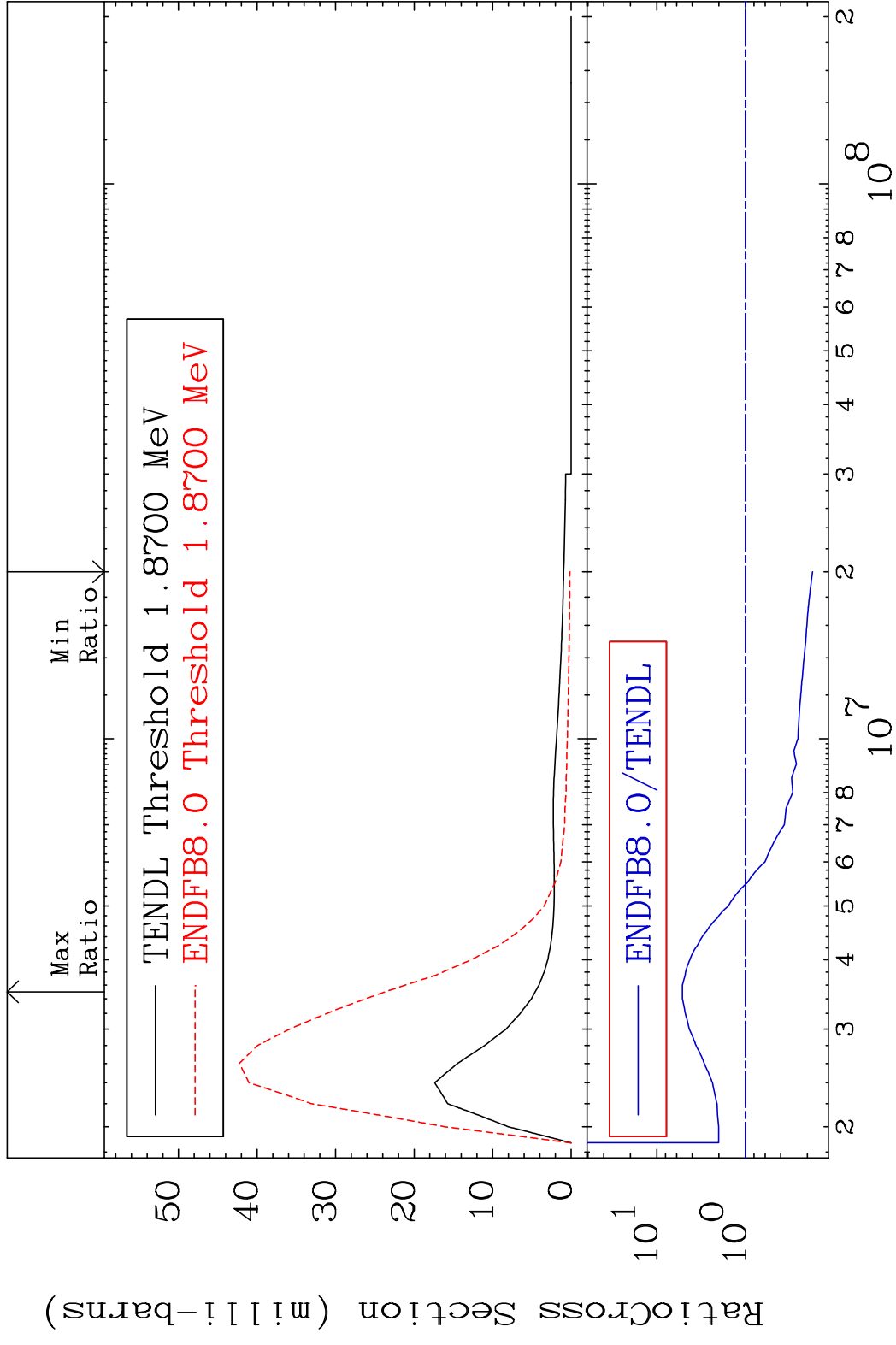
MAT 7043 MT= 77 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 9999. %



MAT 7043 MT= 78 (n, n') Level 70-Yb-174  
 Cross Section -100.0 To 636.2 %



MAT 7043 MT= 79 (n, n') Level 70-Yb-174  
 Cross Section -82.50 To 416.7 %

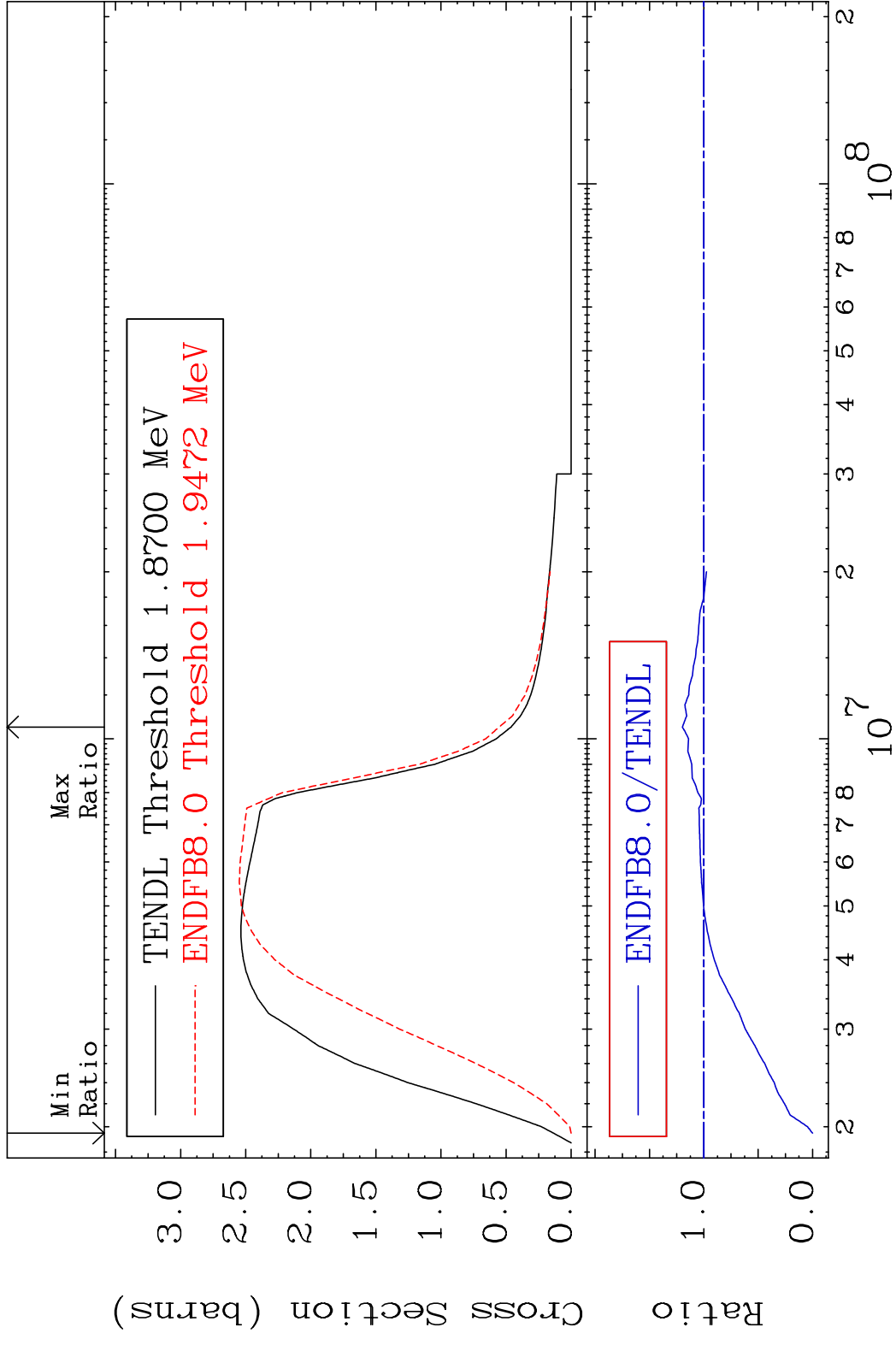


MAT 7043

(n, n') Continuum

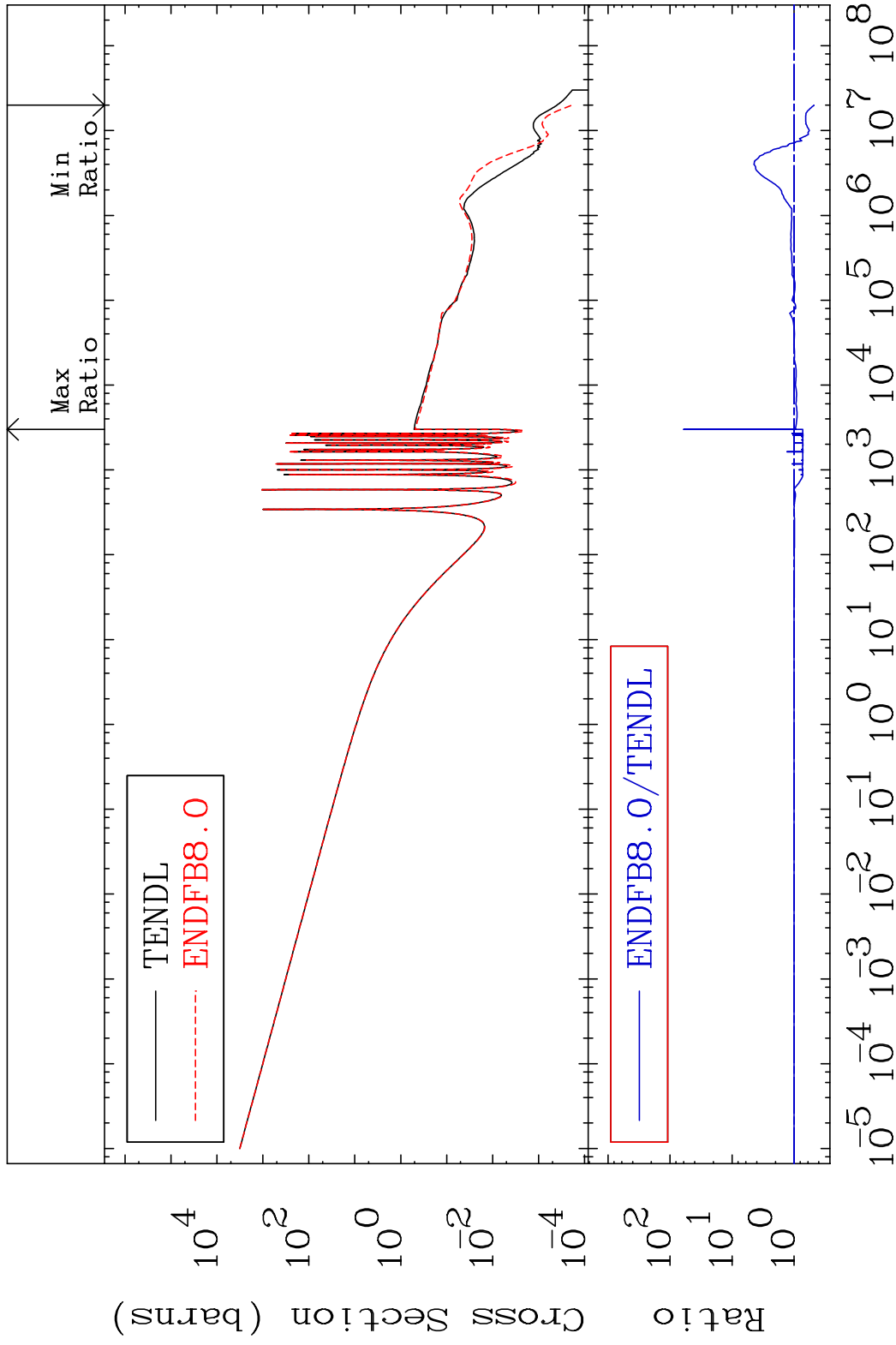
70-Yb-174

Cross Section -100.0 To 19.77 %



MAT 7043

(n,  $\gamma$ )  
Cross Section -52.37 To 5929. %  
70-Yb-174



39

Incident Energy (eV)

70-Yb-174

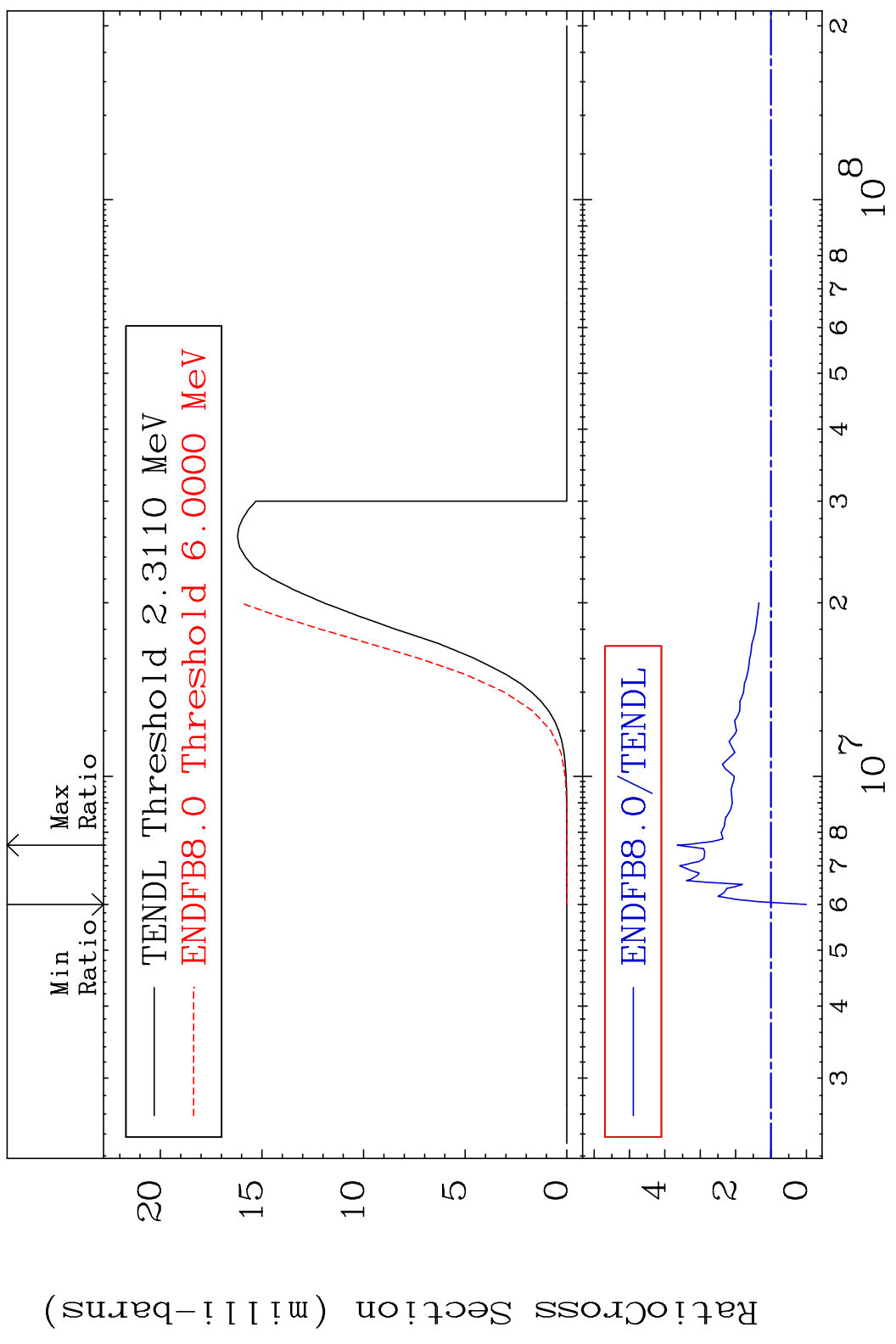


MAT 7043

(n, p)

70-Yb-174

Cross Section -100.0 To 265.1 %



40

Incident Energy (eV)

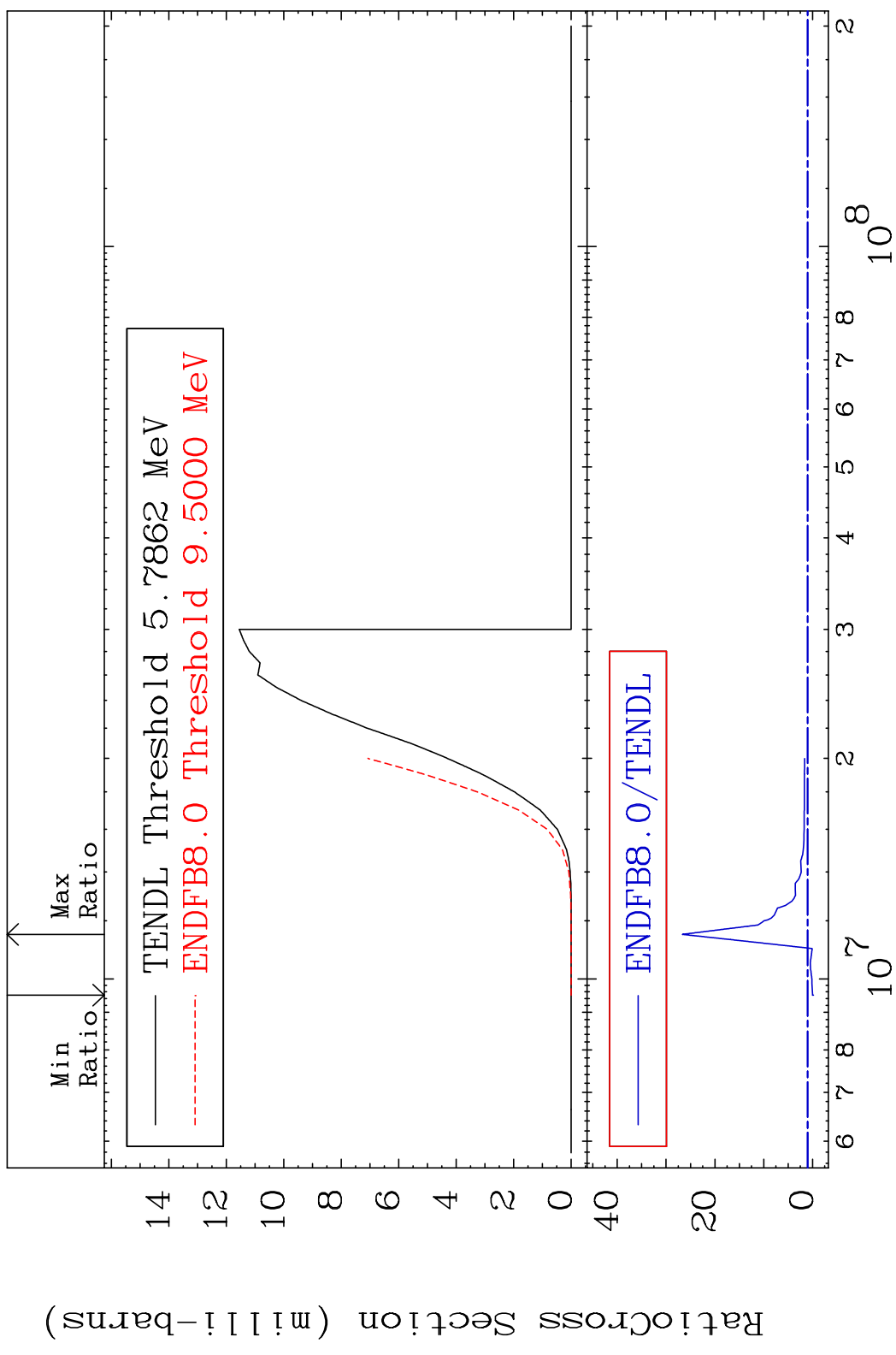
70-Yb-174

MAT 7043

(n,d)

70-Yb-174

Cross Section -100.0 To 2567. %



41

Incident Energy (eV)

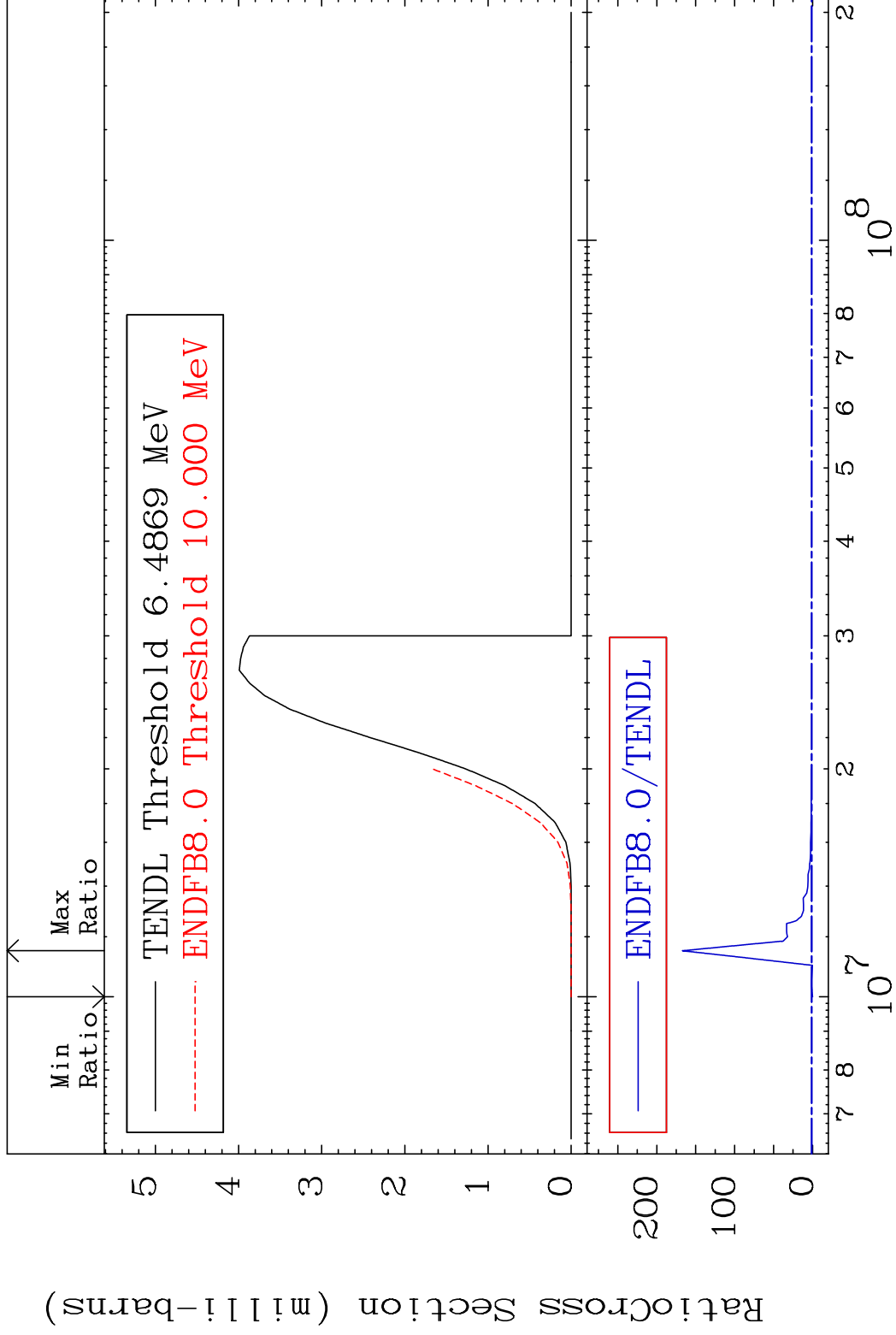
70-Yb-174

MAT 7043

(n, t)

70-Yb-174

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

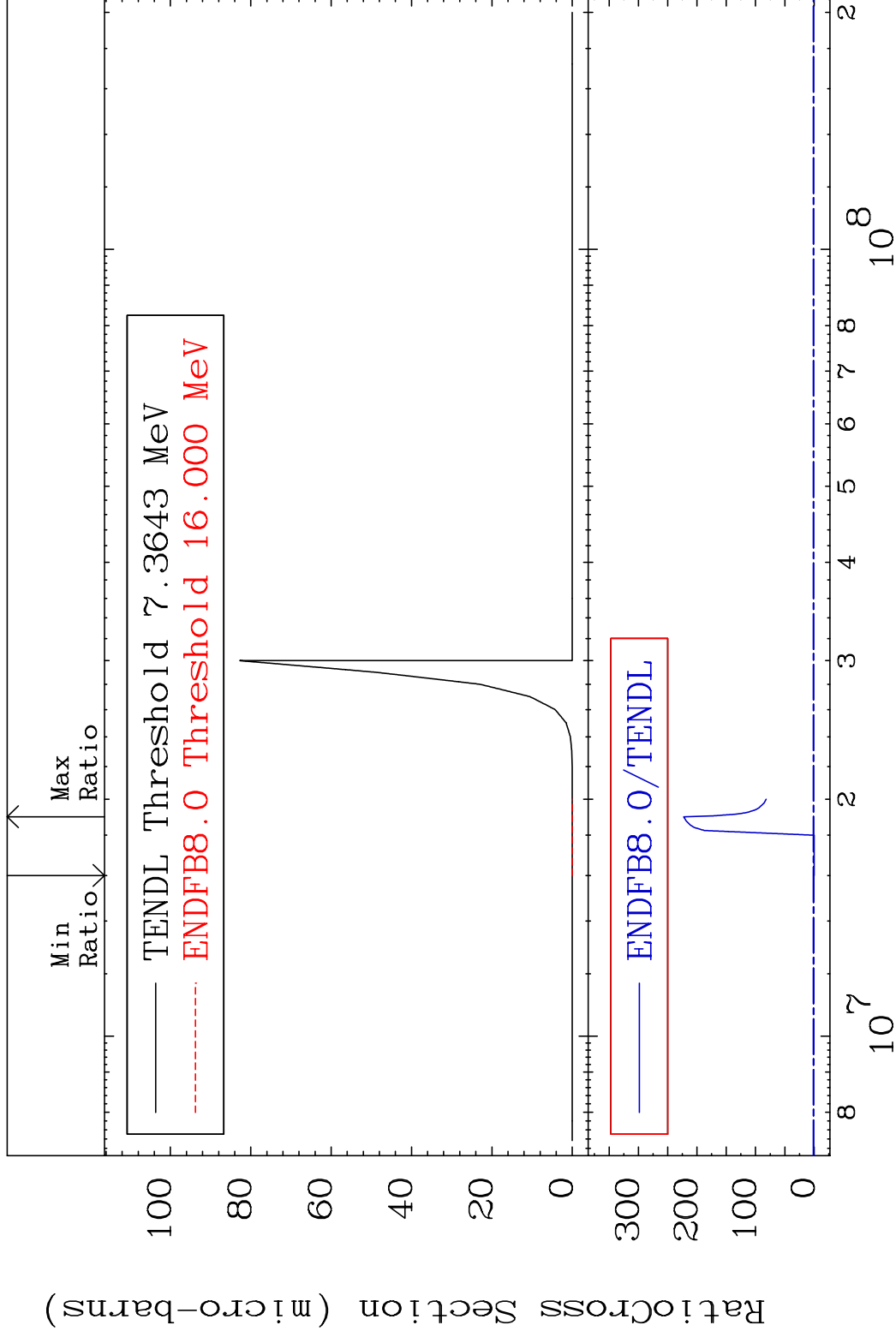
70-Yb-174

MAT 7043

(n, He-3)

70-Yb-174

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

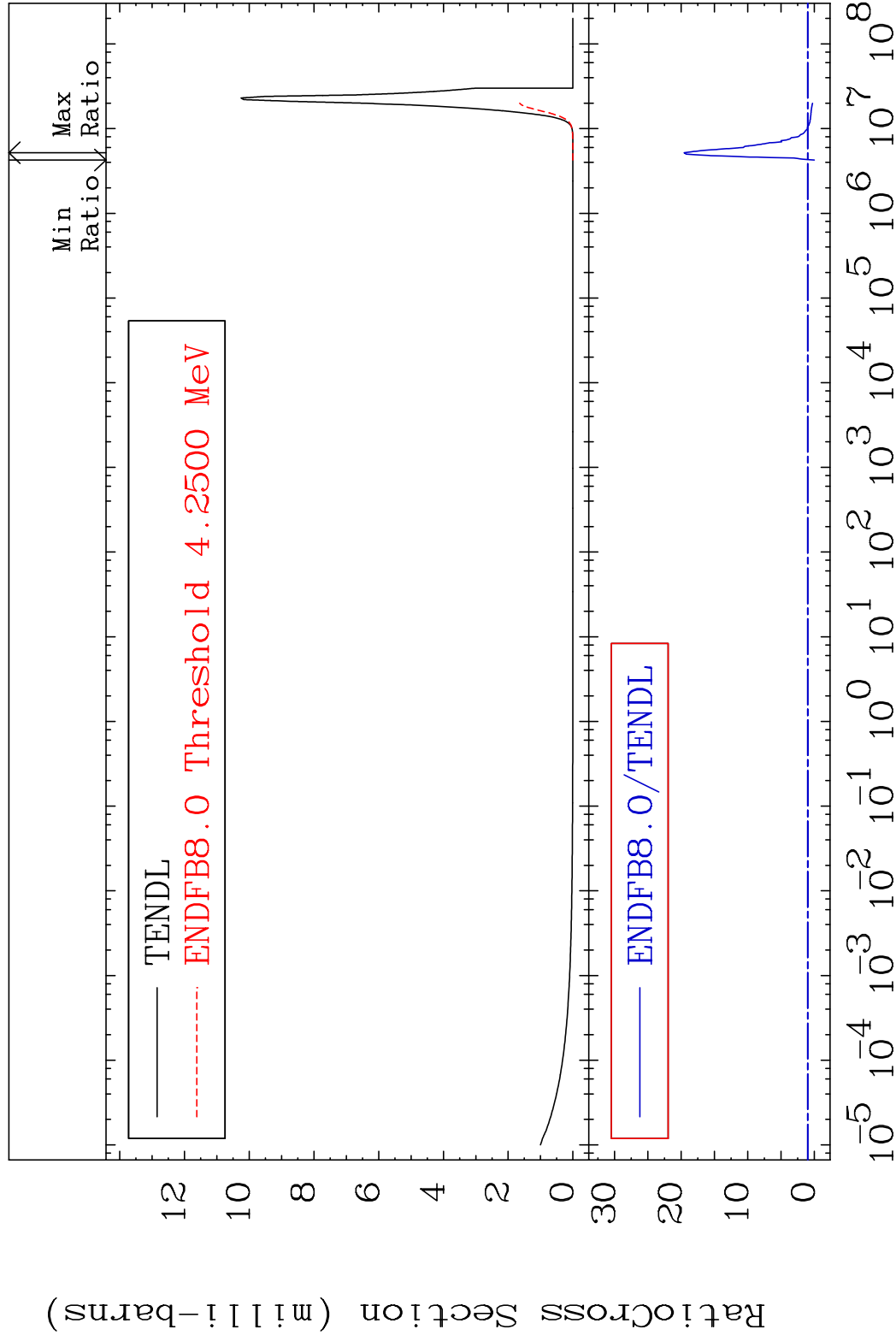
70-Yb-174

MAT 7043

(n,  $\alpha$ )

70-Yb-174

Cross Section -100.0 To 1856. %



44

Incident Energy (eV)

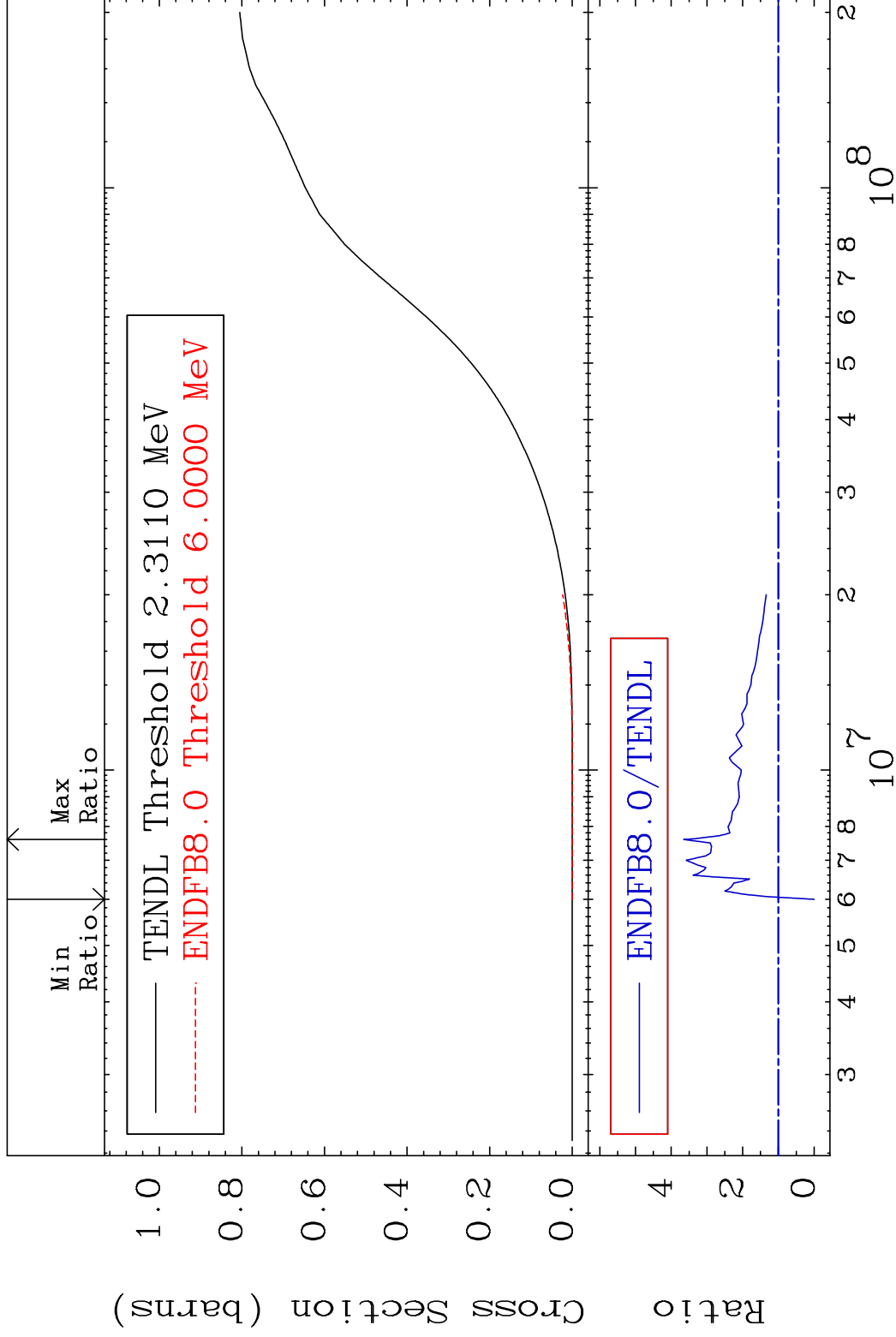
70-Yb-174

MAT 7043

Hydrogen Production

70-Yb-174

Cross Section -100.0 To 265.1 %

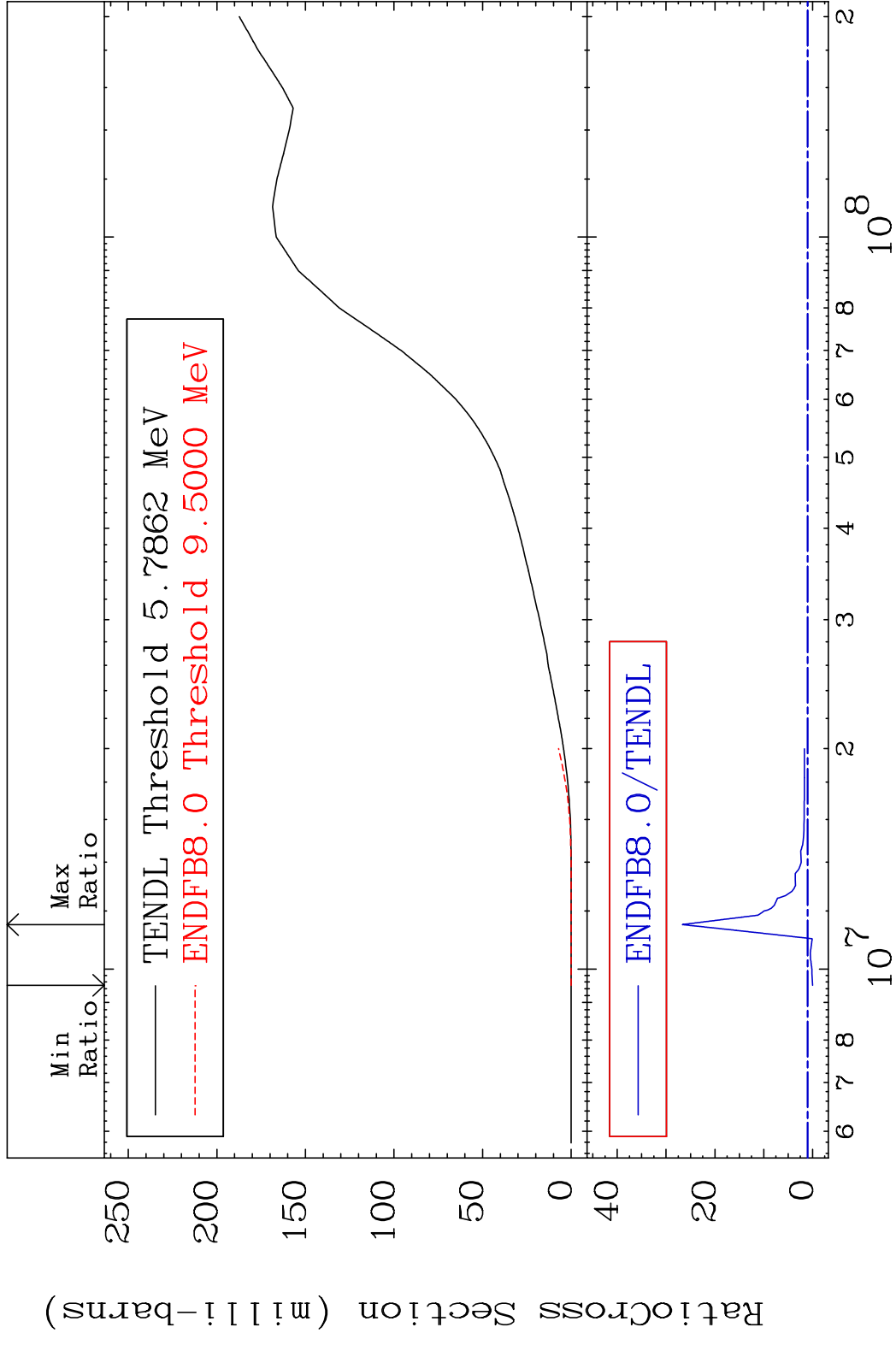


45

Incident Energy (eV)

70-Yb-174

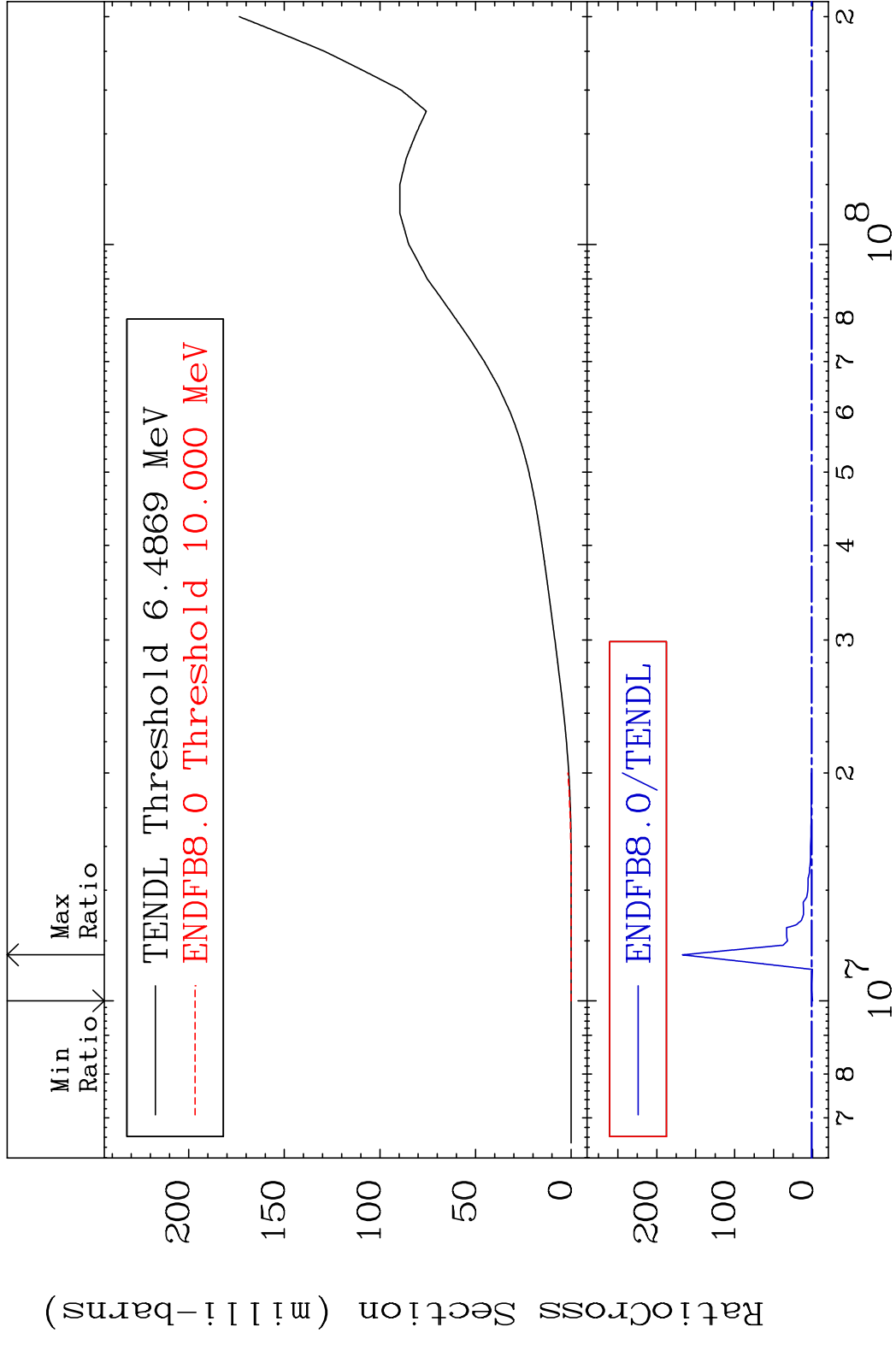
MAT 7043 Deuterium Production 70-Yb-174  
 Cross Section -100.0 To 2567. %



46 Incident Energy (eV) 70-Yb-174

MAT 7043

Tritium Production 70-Yb-174  
Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

70-Yb-174

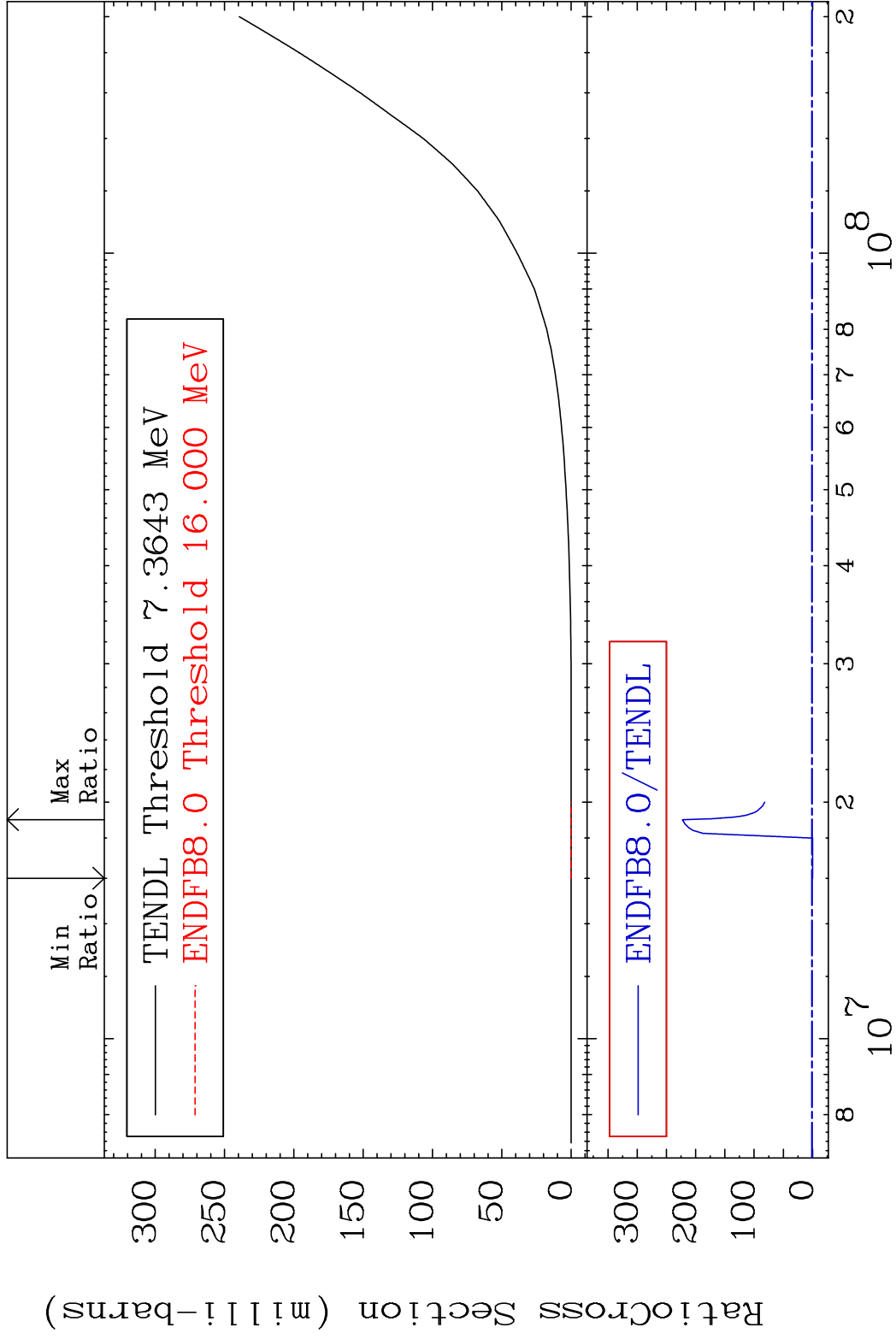


MAT 7043

He-3 Production

70-Yb-174

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

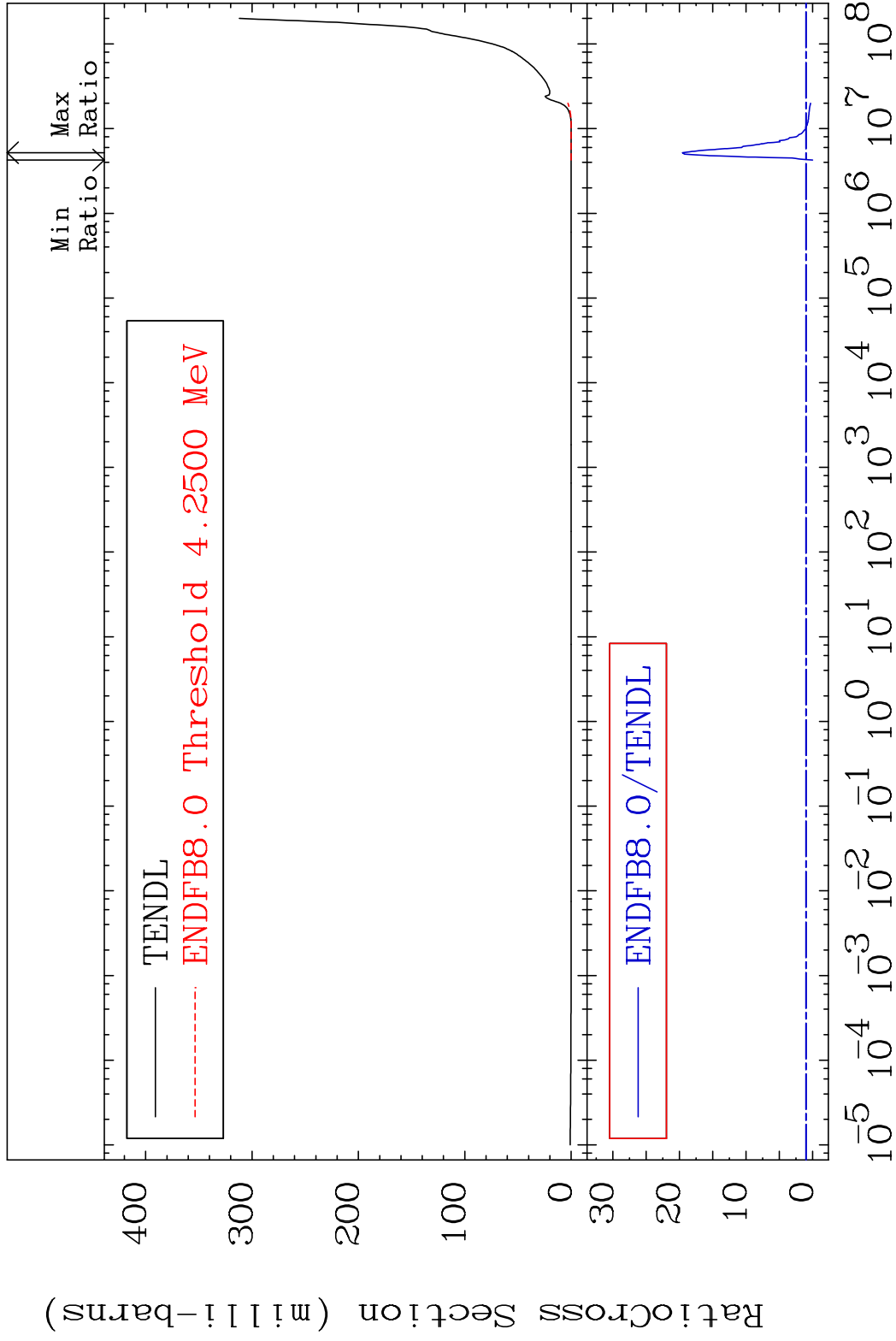
70-Yb-174

MAT 7043

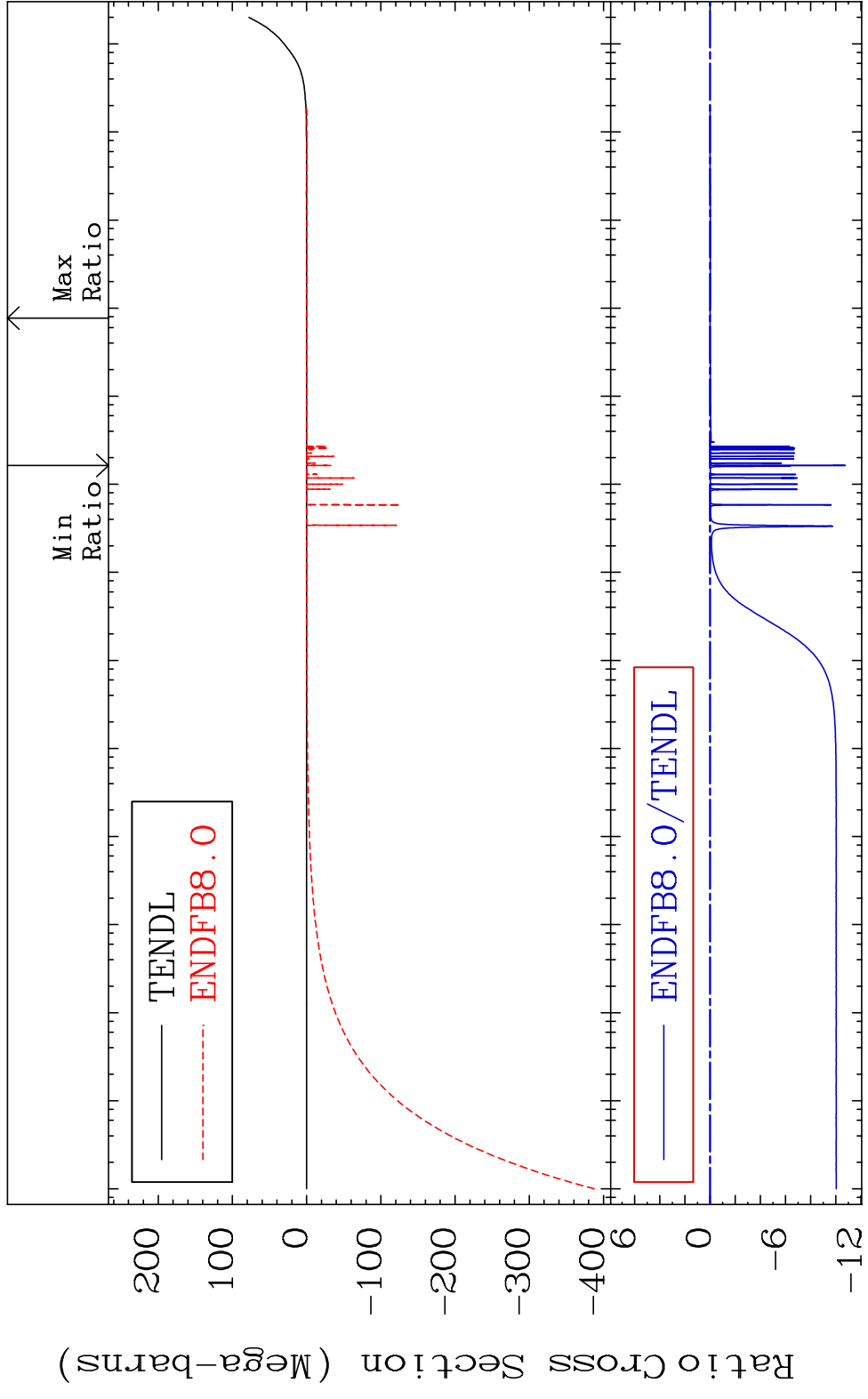
He-4 Production

70-Yb-174

Cross Section -100.0 To 1856. %



MAT 7043 Kerma total (eV-barns) 70-Yb-174  
 Cross Section -9999. To 2647. %

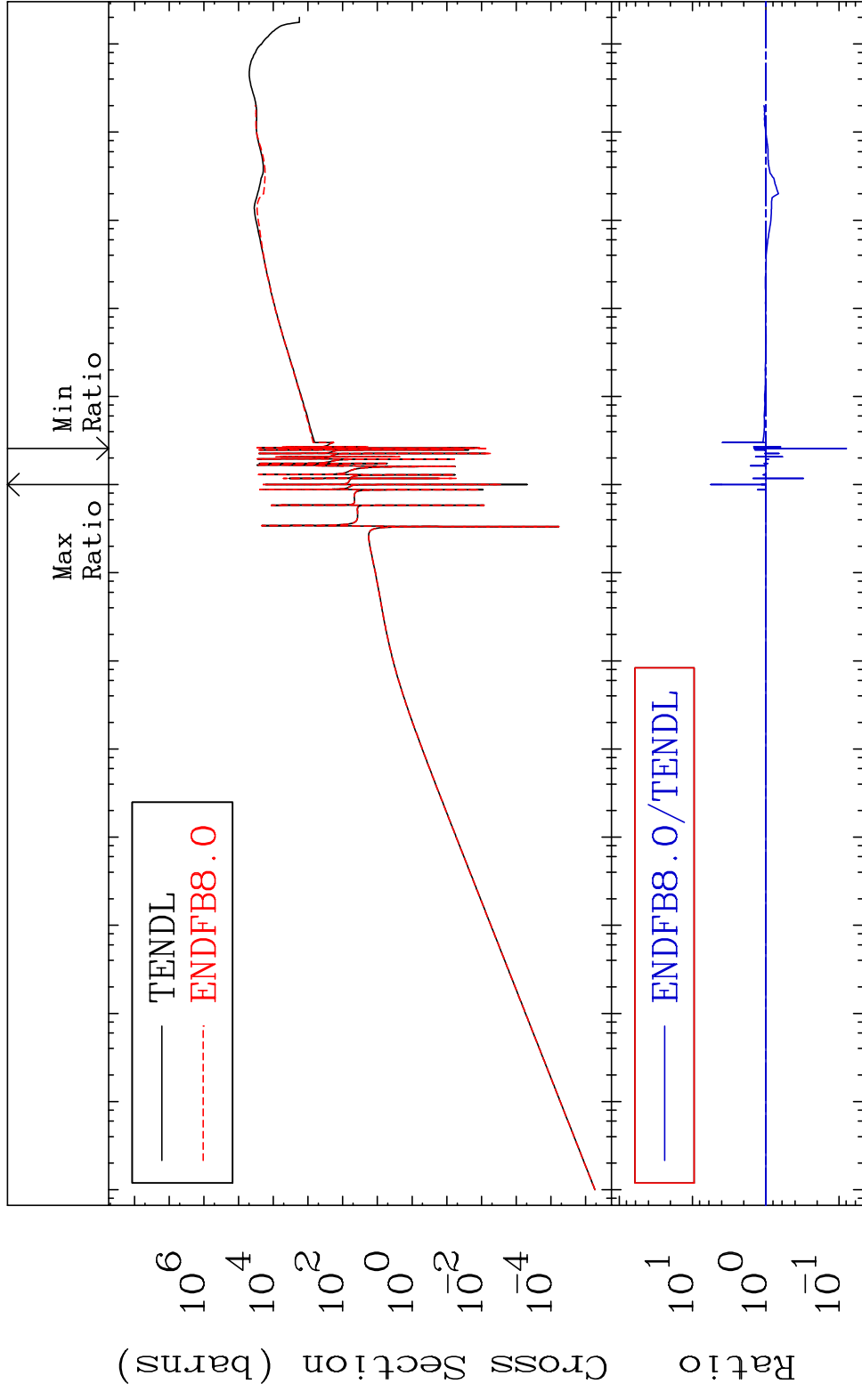


50 Incident Energy (eV) 70-Yb-174

MAT 7043

Kerma elastic  
Cross Section

70-Yb-174  
-92.03 To 464.8 %

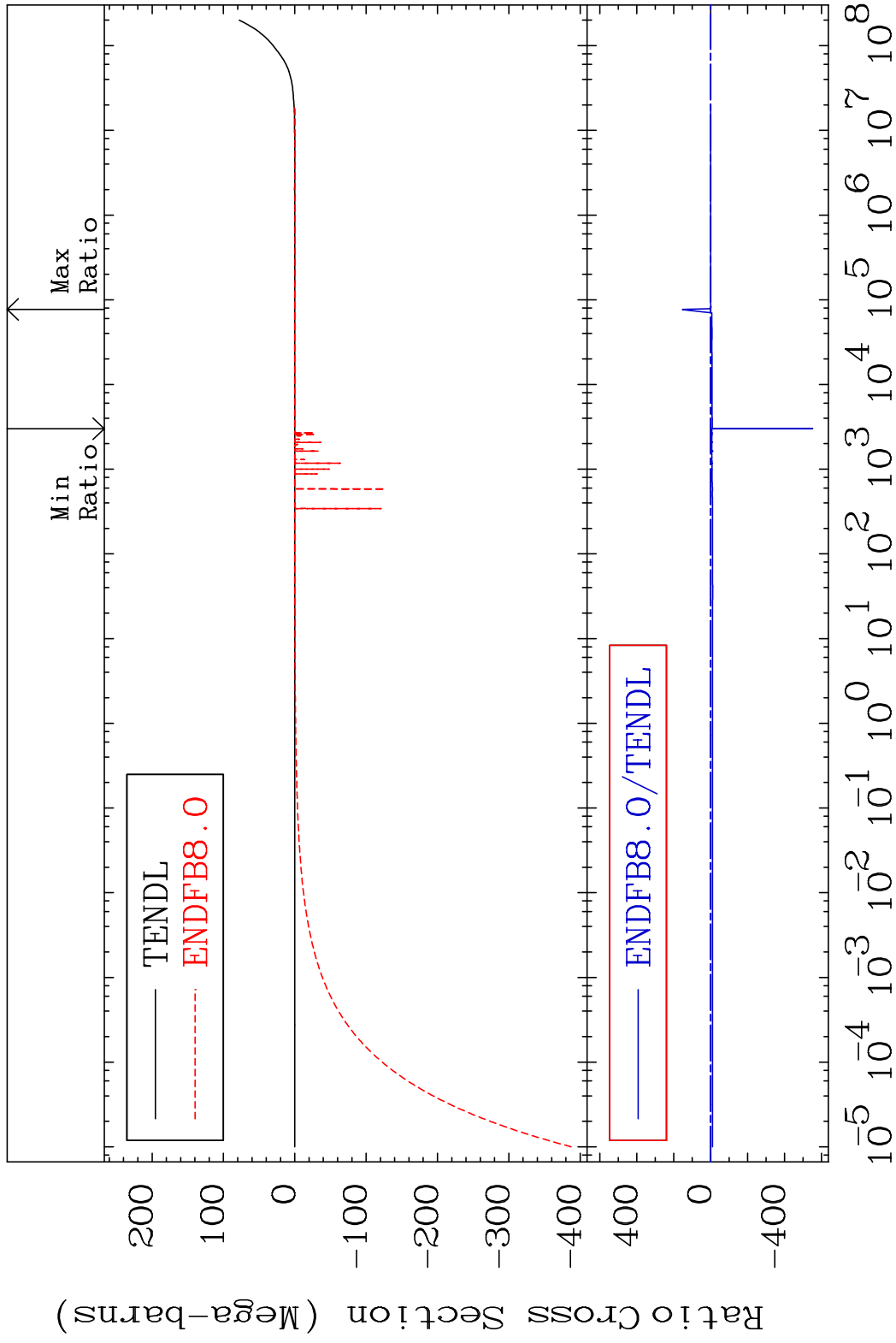


Max Ratio  
Min Ratio

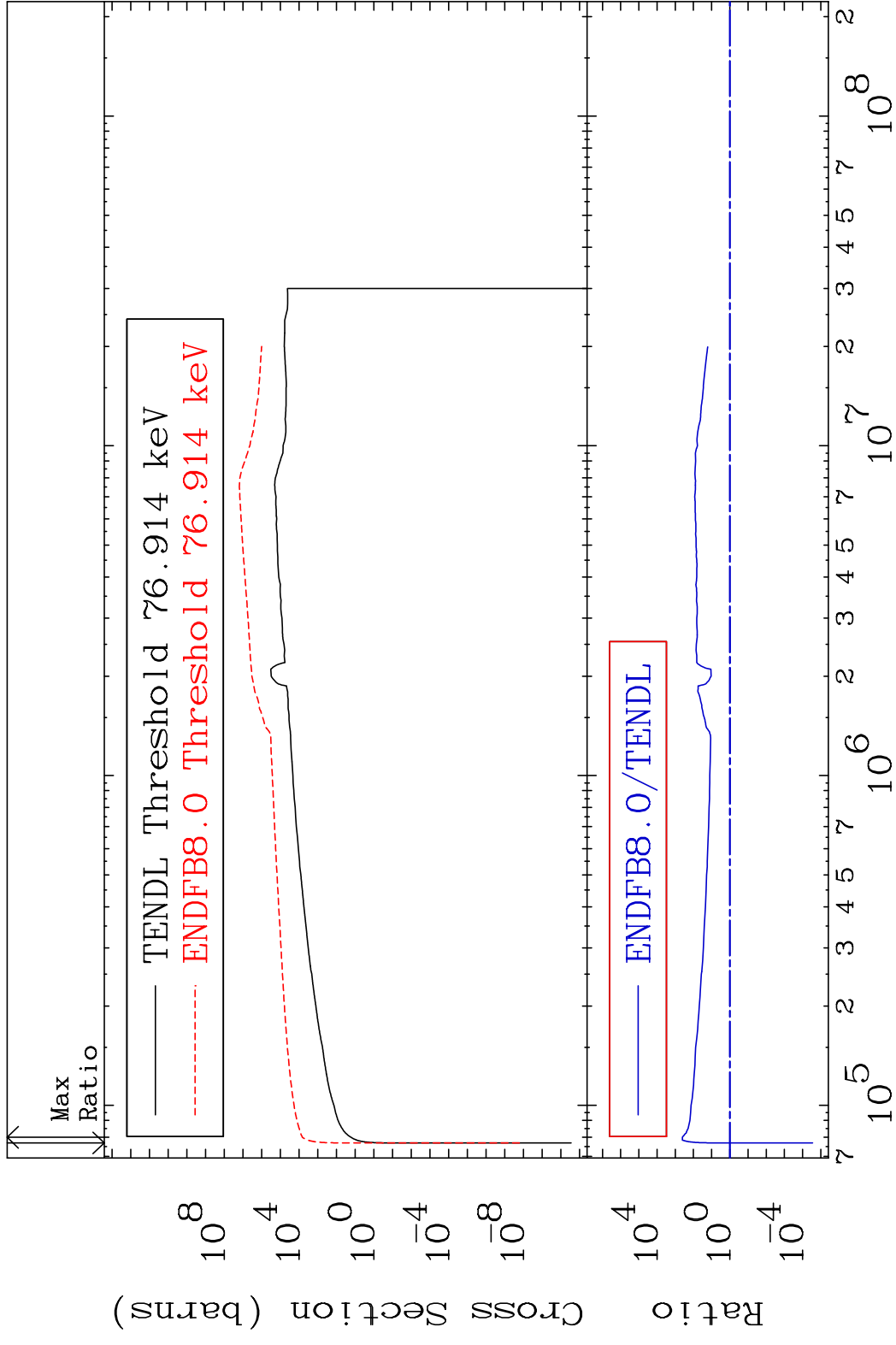
— TENDL  
- - - ENDFB8.0

— ENDFB8.0/TENDL

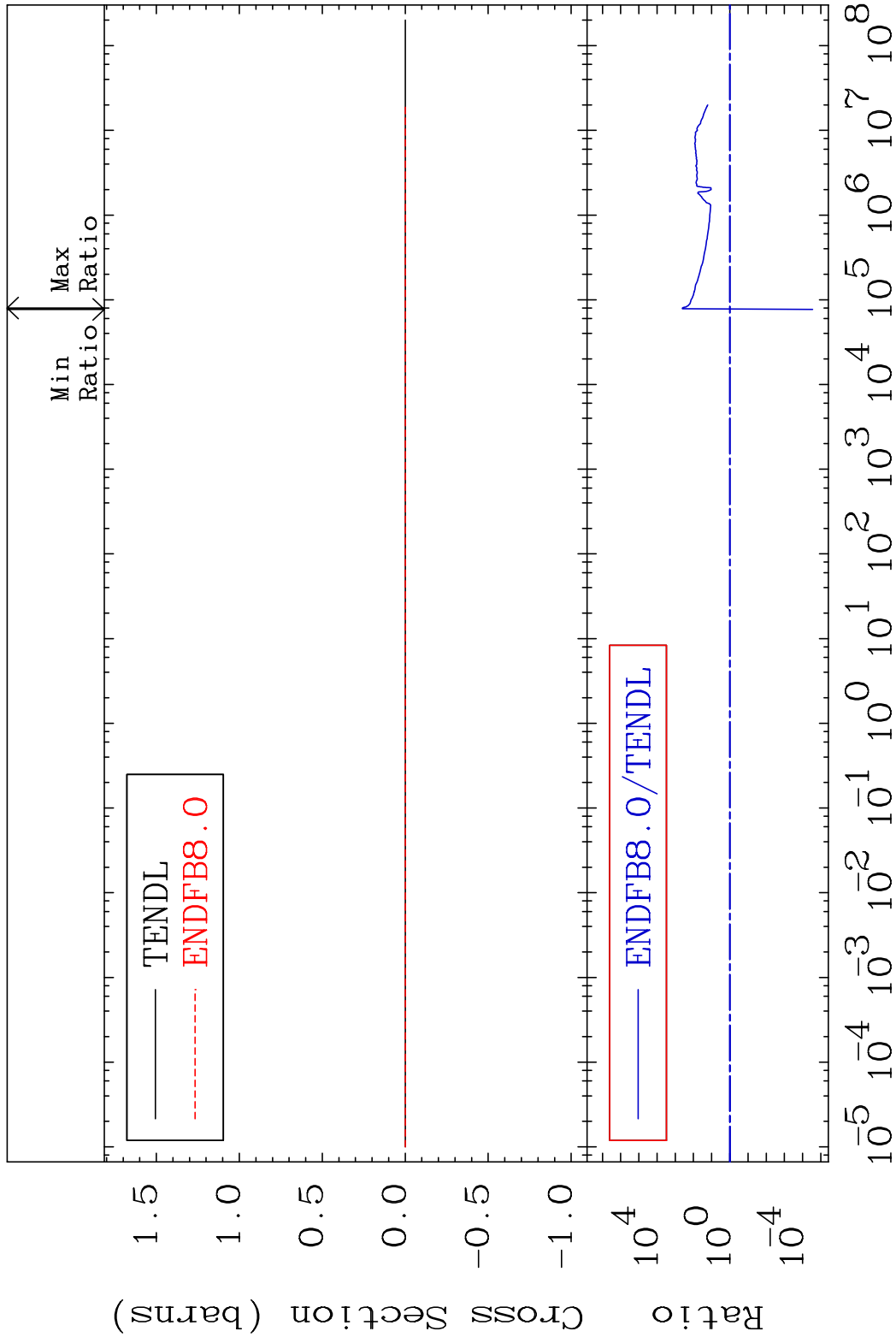
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174  
 Cross Section -9999. To 9999. %



MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174  
 Cross Section -100.0 To 9999. %

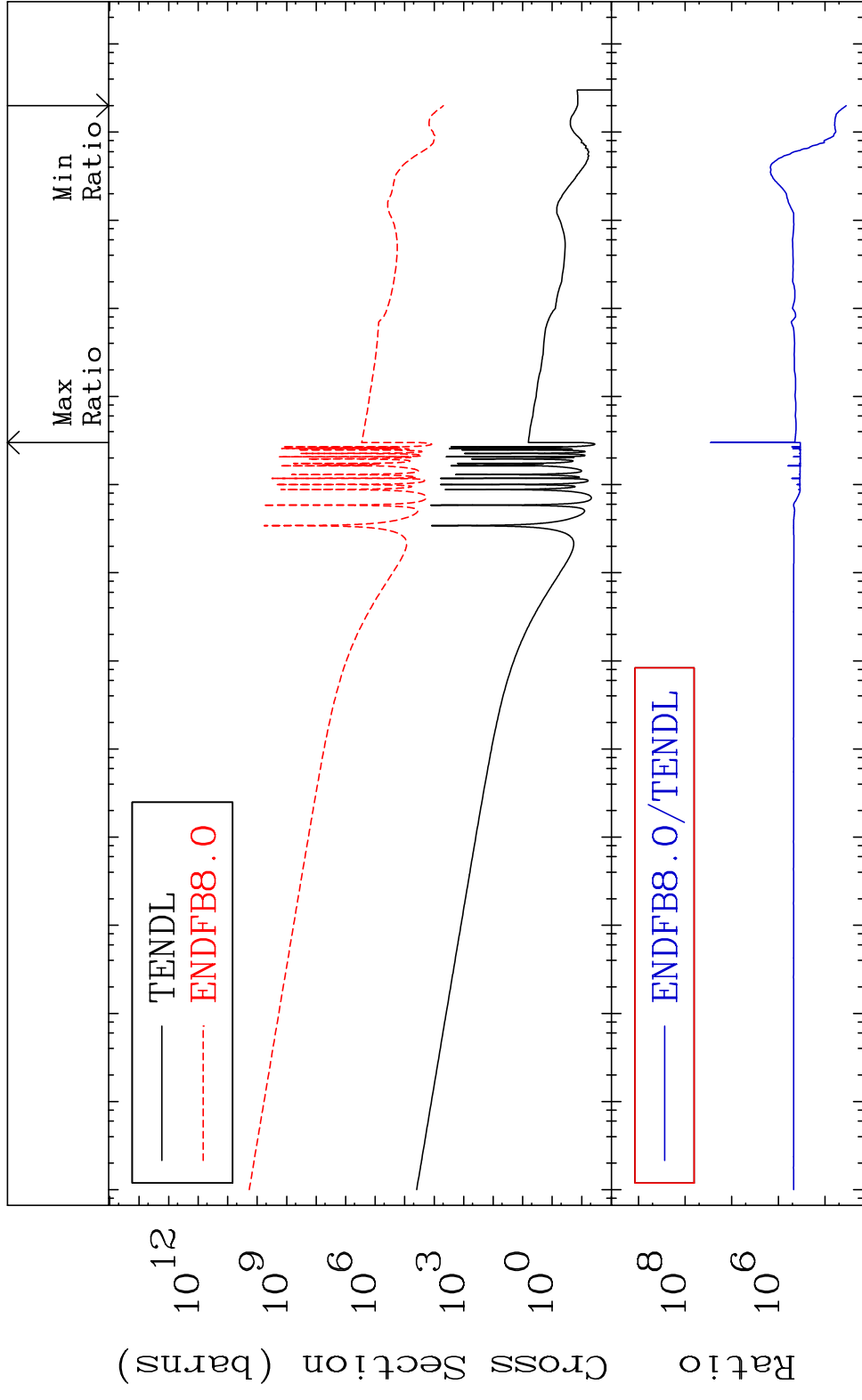


MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174  
 Cross Section -100.0 To 9999. %



MAT 7043

Kerma capture (mt102) 70-Yb-174  
Cross Section 9999. To 9999. %

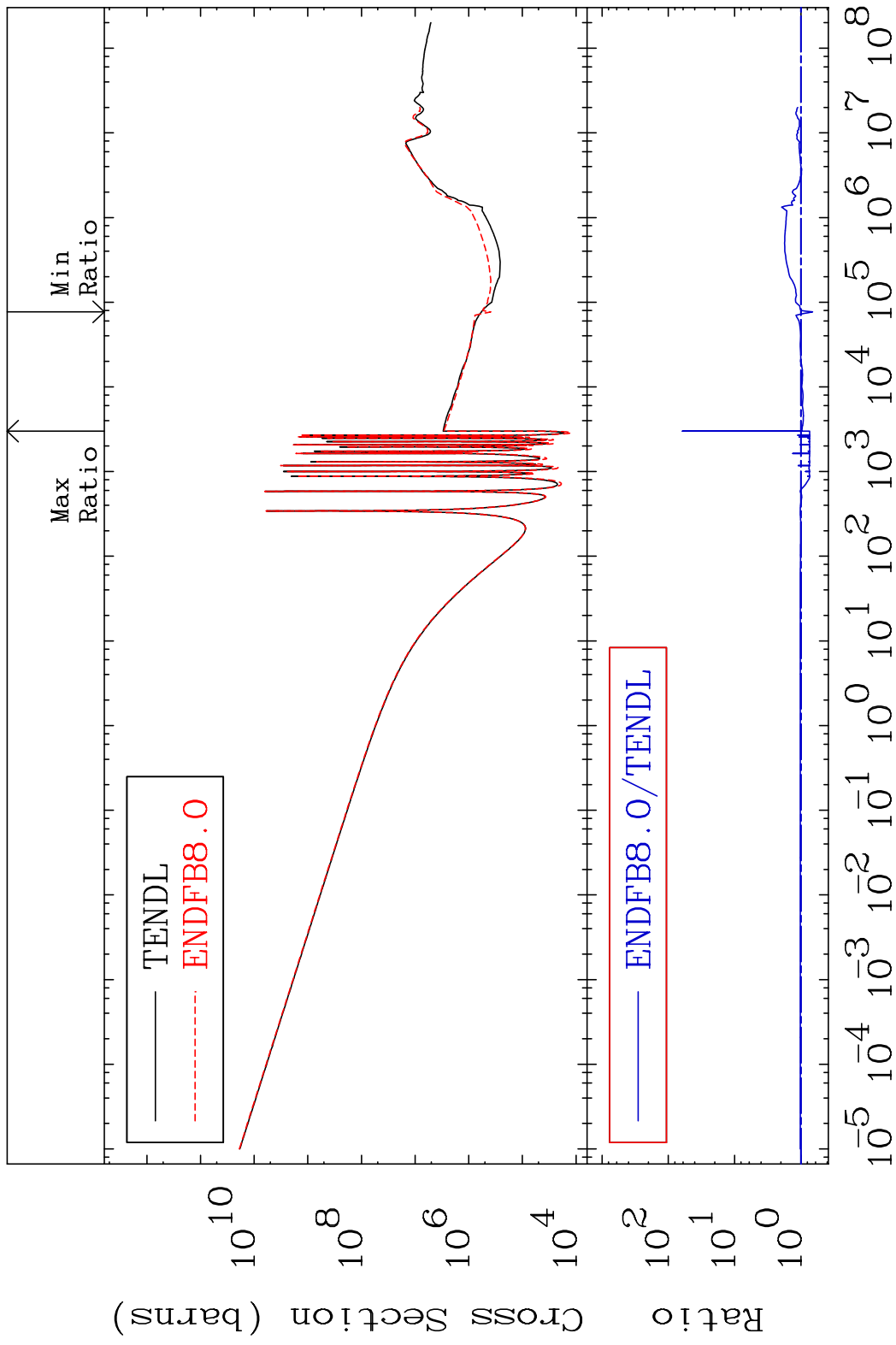


55

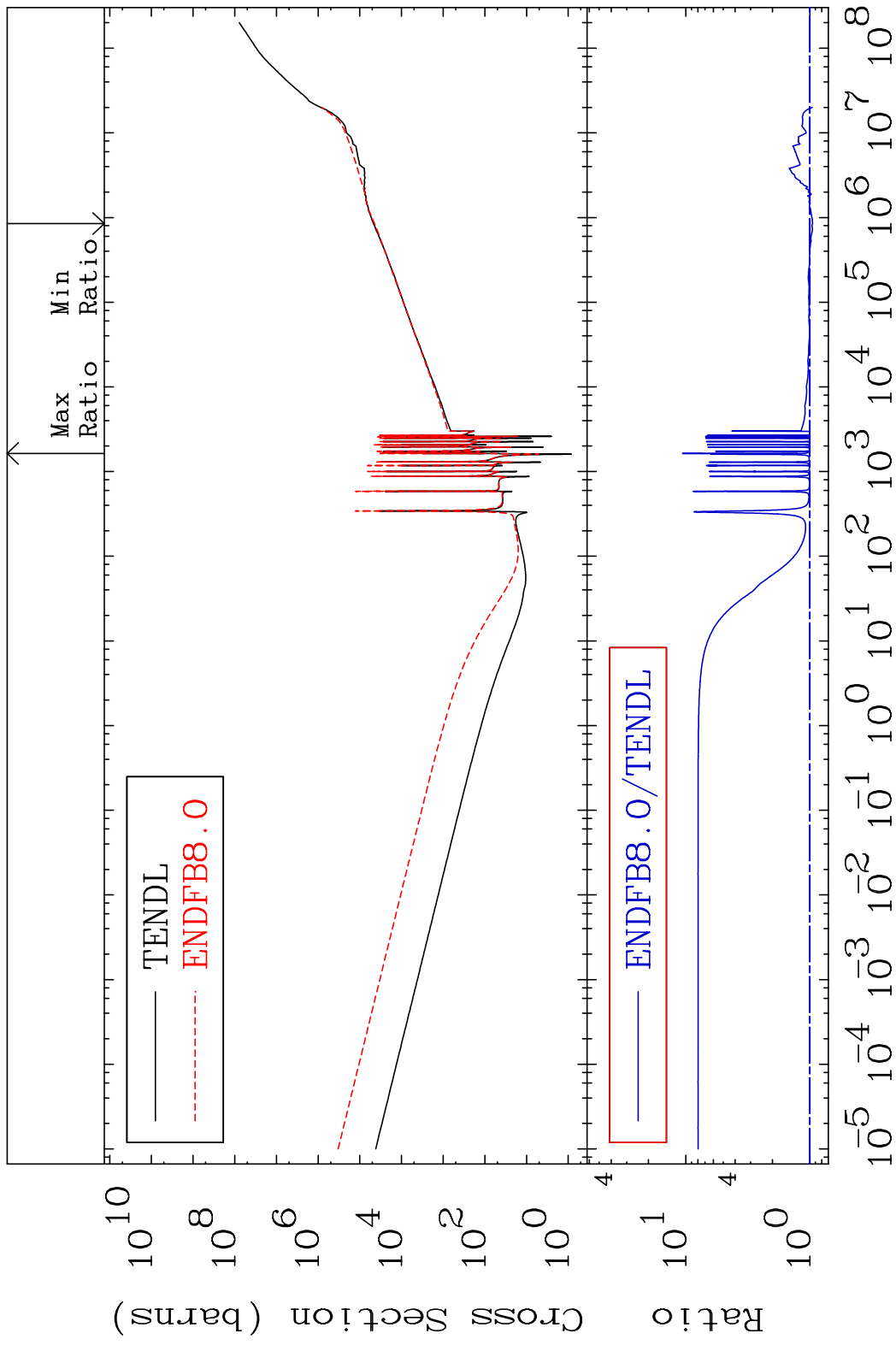
Incident Energy (eV) 70-Yb-174



MAT 7043 Total photon (eV-barns) 70-Yb-174  
 Cross Section -33.39 To 6047. %



MAT 7043 Total kinematic kerma (high limit) 70-Yb-174  
 Cross Section -5.063 To 966.4 %

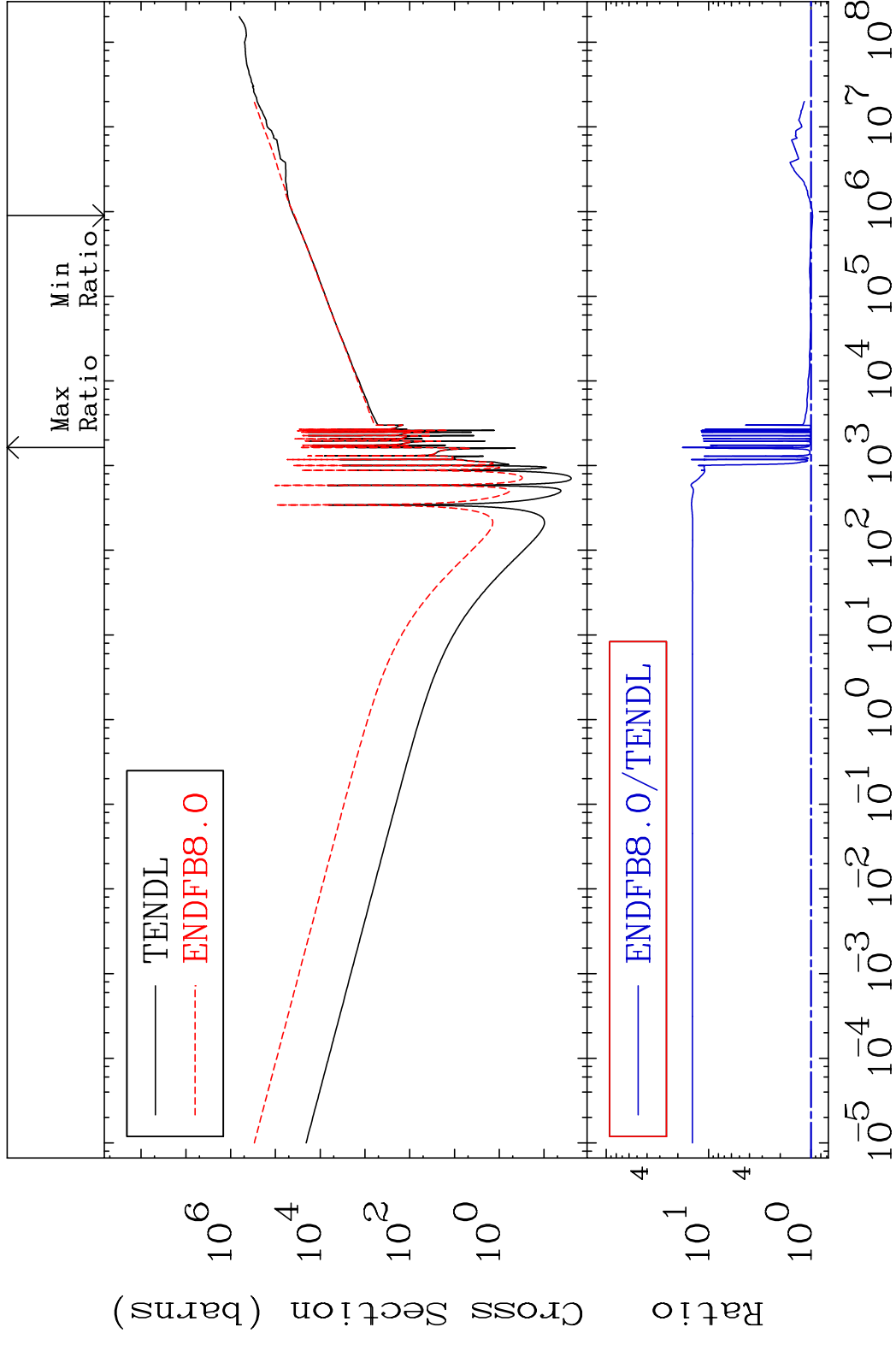


MAT 7043

Dpa total (eV-barns)

70-Yb-174

Cross Section -3.557 To 1705. %

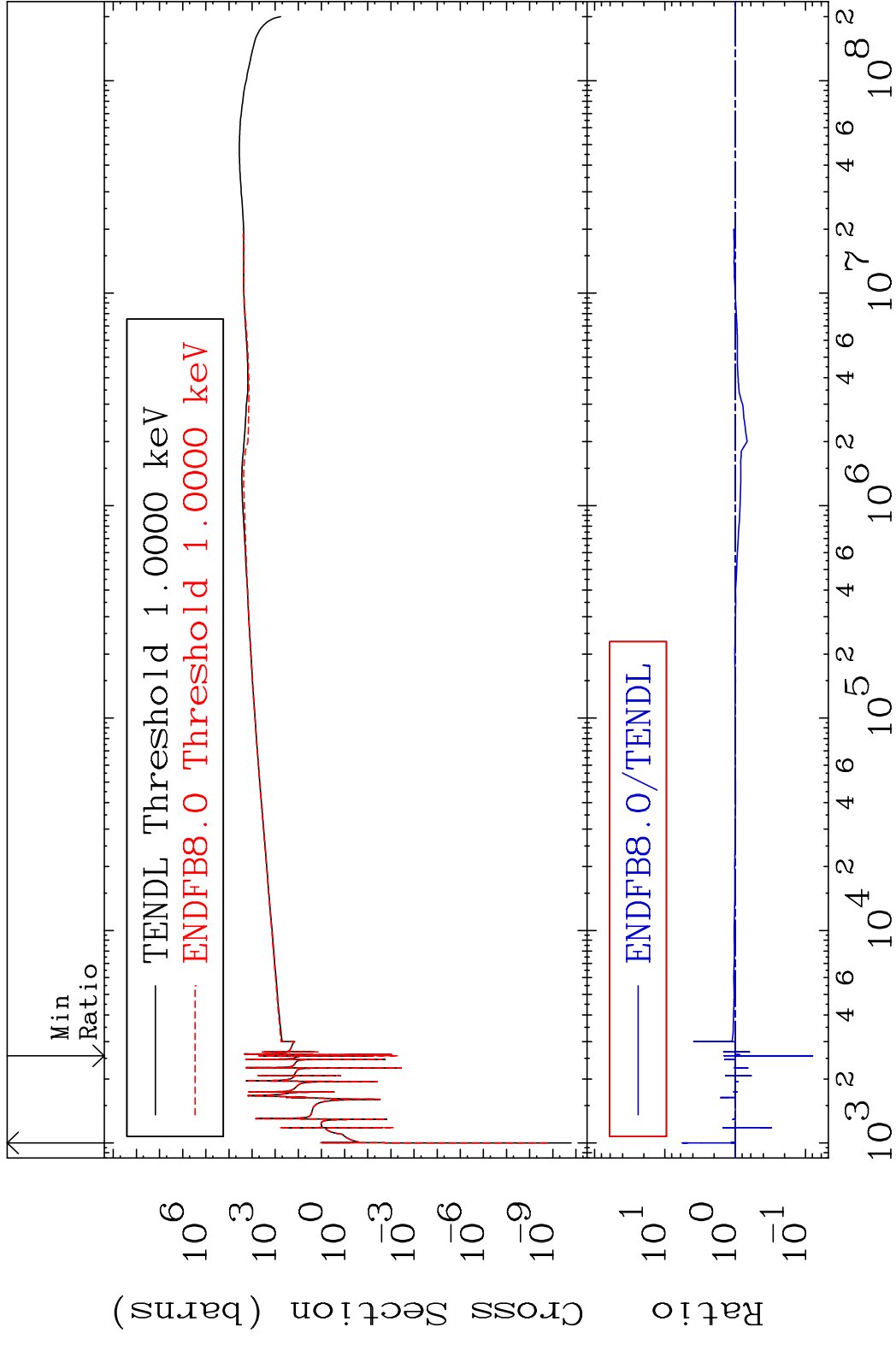


MAT 7043

Dpa elastic (mt2)

70-Yb-174

Cross Section -92.02 To 465.3 %

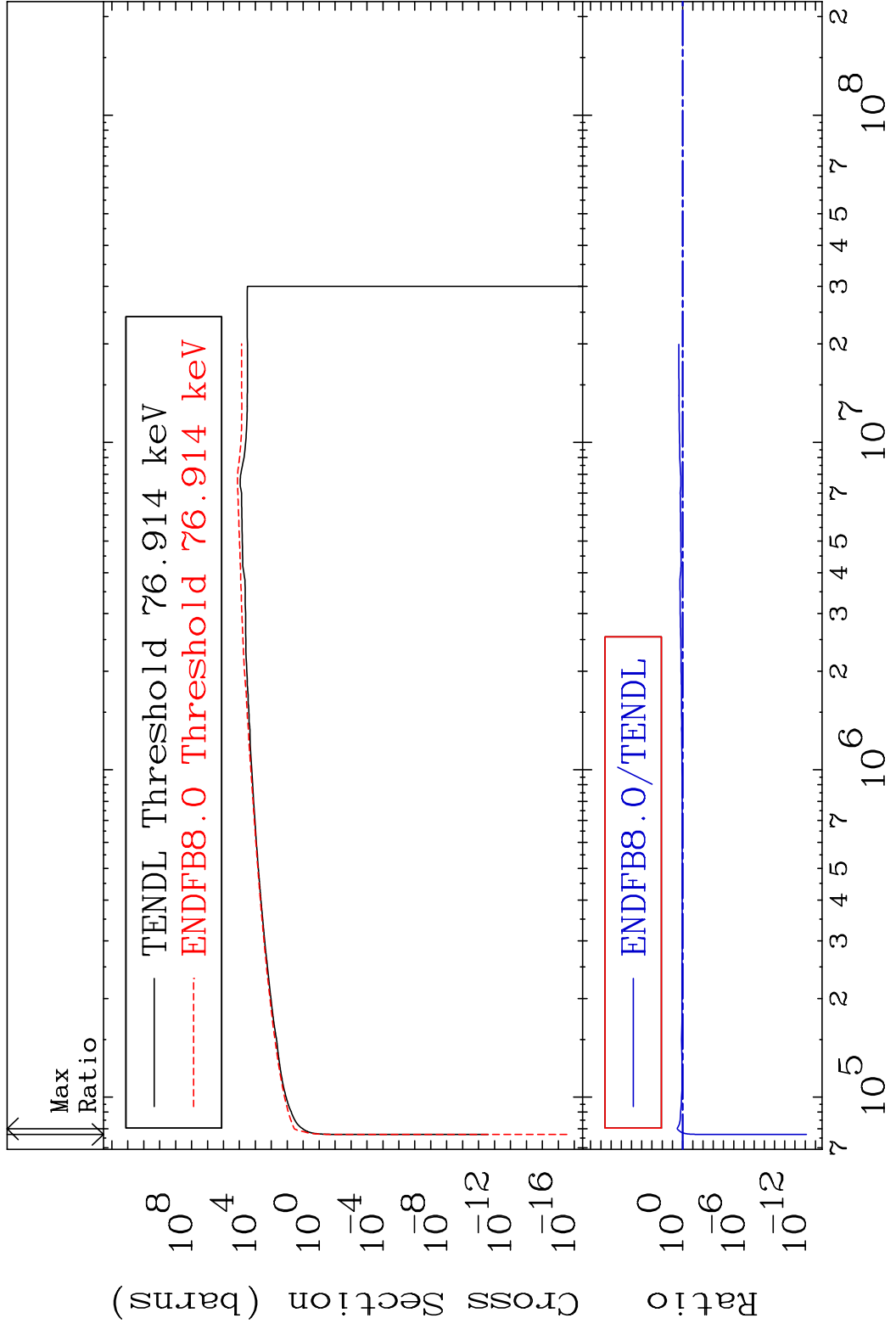


59

Incident Energy (eV)

70-Yb-174

MAT 7043      Dpa inelastic (mt51-91)      70-Yb-174  
 Cross Section      -100.0 To 239.8 %



60      Incident Energy (eV)      70-Yb-174

MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174  
 Cross Section 8.178 To 9999. %

