

Program Complot  
(Version 2021-1)

by

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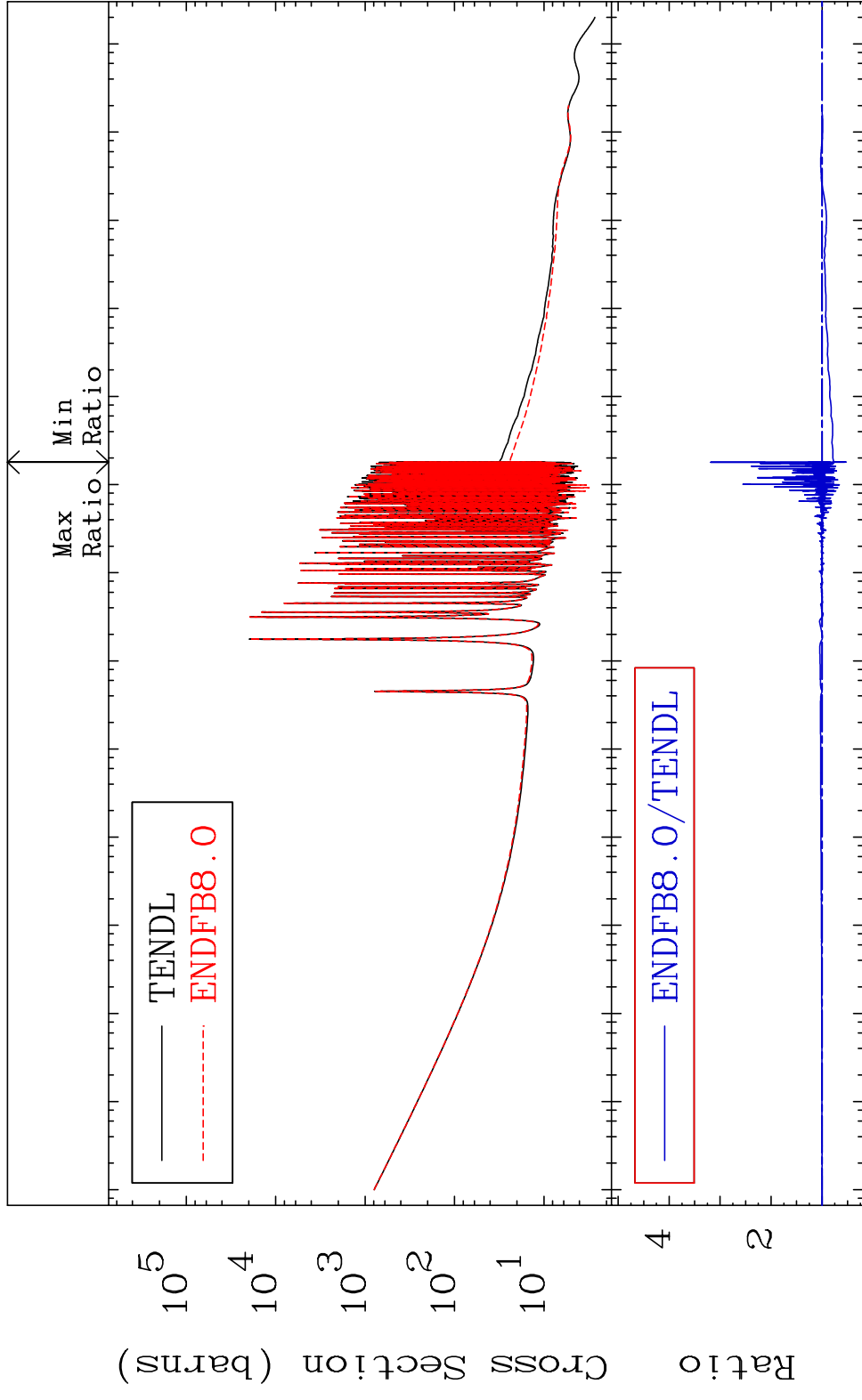
U.S.A.

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Press Mouse Button to Start

MAT 7040      Total      70-Yb-173  
 Cross Section      -47.58 To 218.5 %



1      Incident Energy (eV)      70-Yb-173

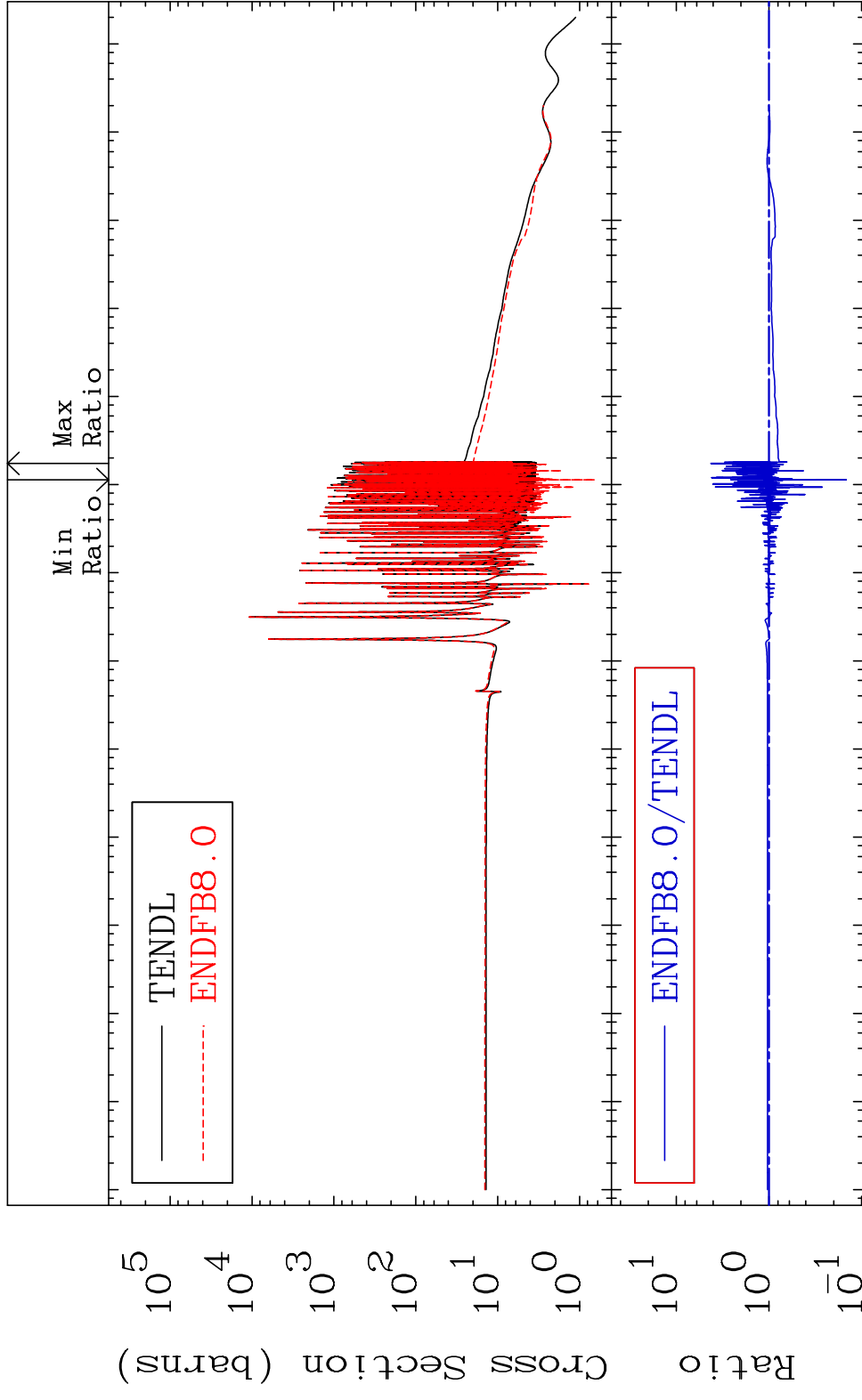
MAT 7040

Elastic

70-Yb-173

Cross Section

-85.38 To 324.3 %



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>

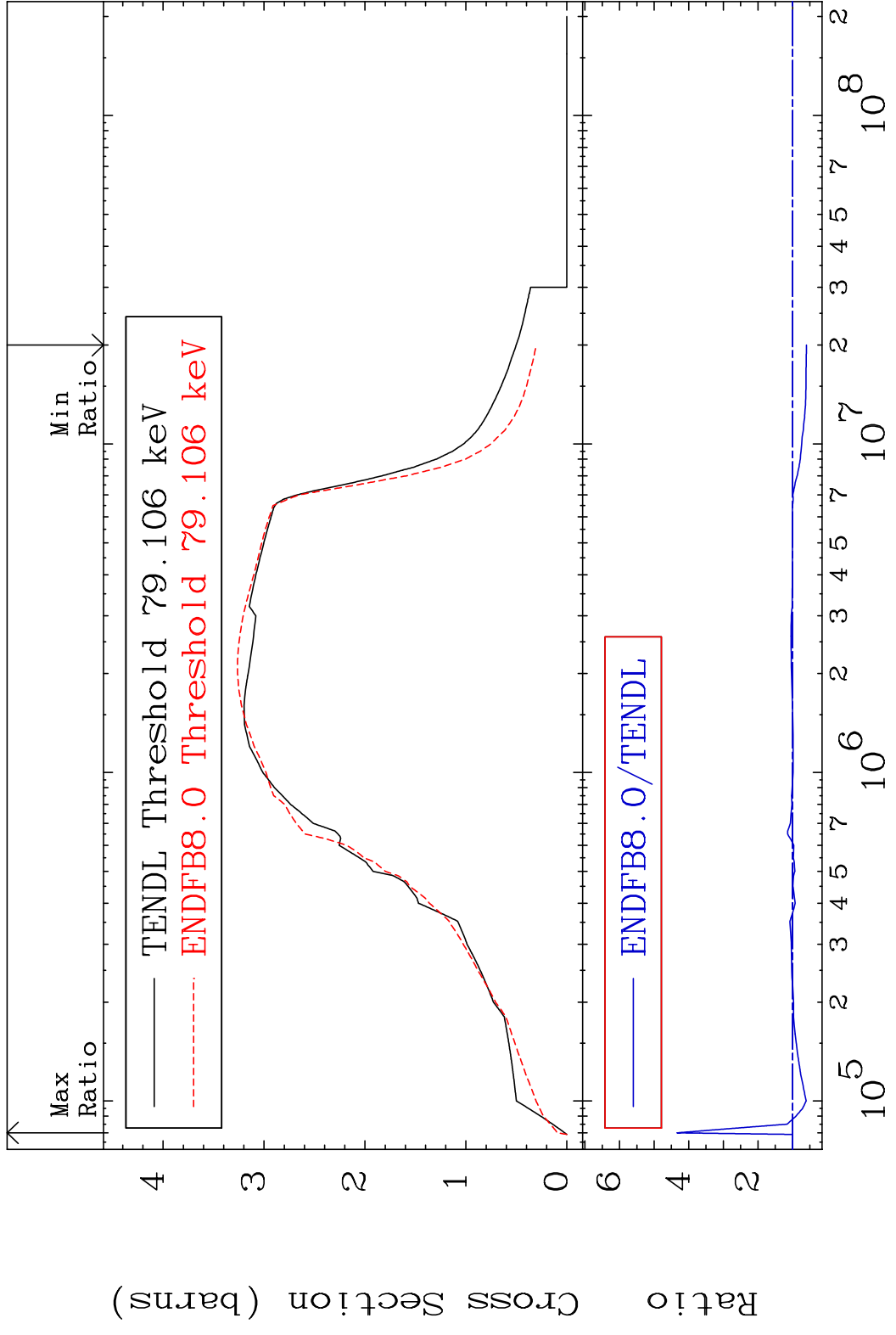
10<sup>8</sup> 10<sup>7</sup> 10<sup>6</sup> 10<sup>5</sup> 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup>

2

Incident Energy (eV)

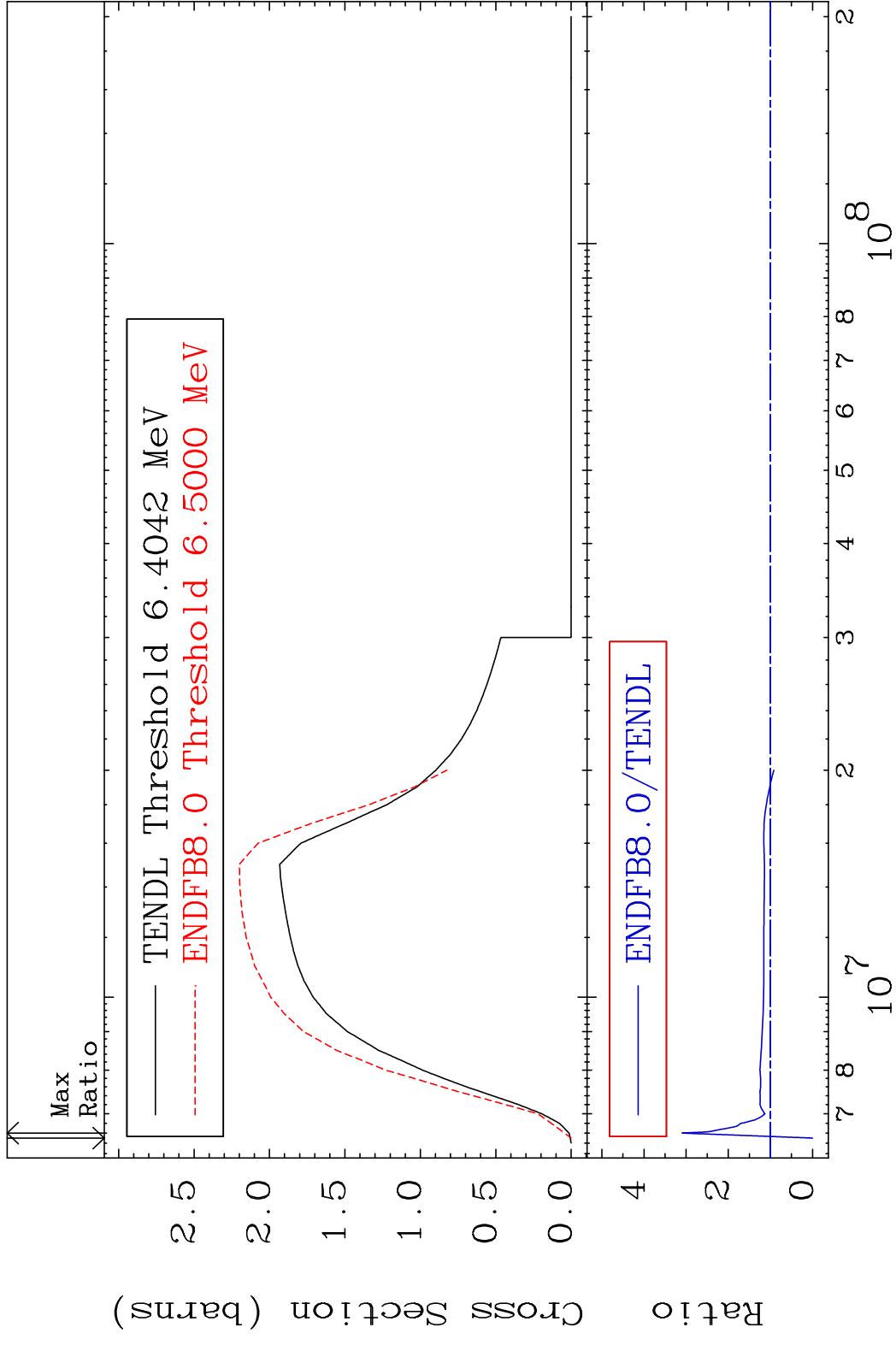
70-Yb-173

MAT 7040 Inelastic 70-Yb-173  
 Cross Section -39.79 To 333.4 %



3 Incident Energy (eV) 70-Yb-173

MAT 7040 (n,2n) 70-Yb-173  
 Cross Section -100.0 To 208.9 %



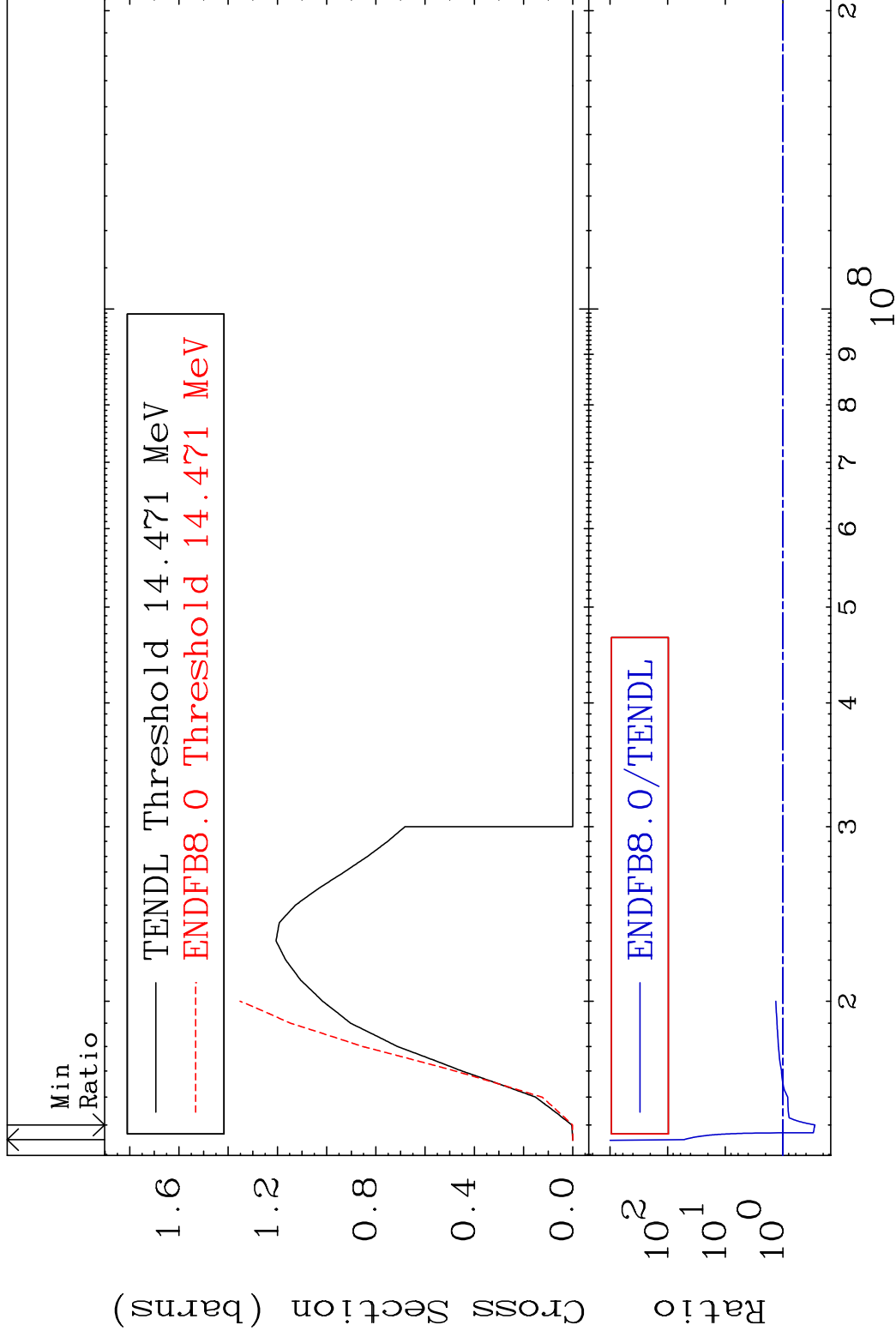
4 Incident Energy (eV) 70-Yb-173

MAT 7040

(n,3n)

70-Yb-173

Cross Section -72.04 To 5041. %



5

Incident Energy (eV)

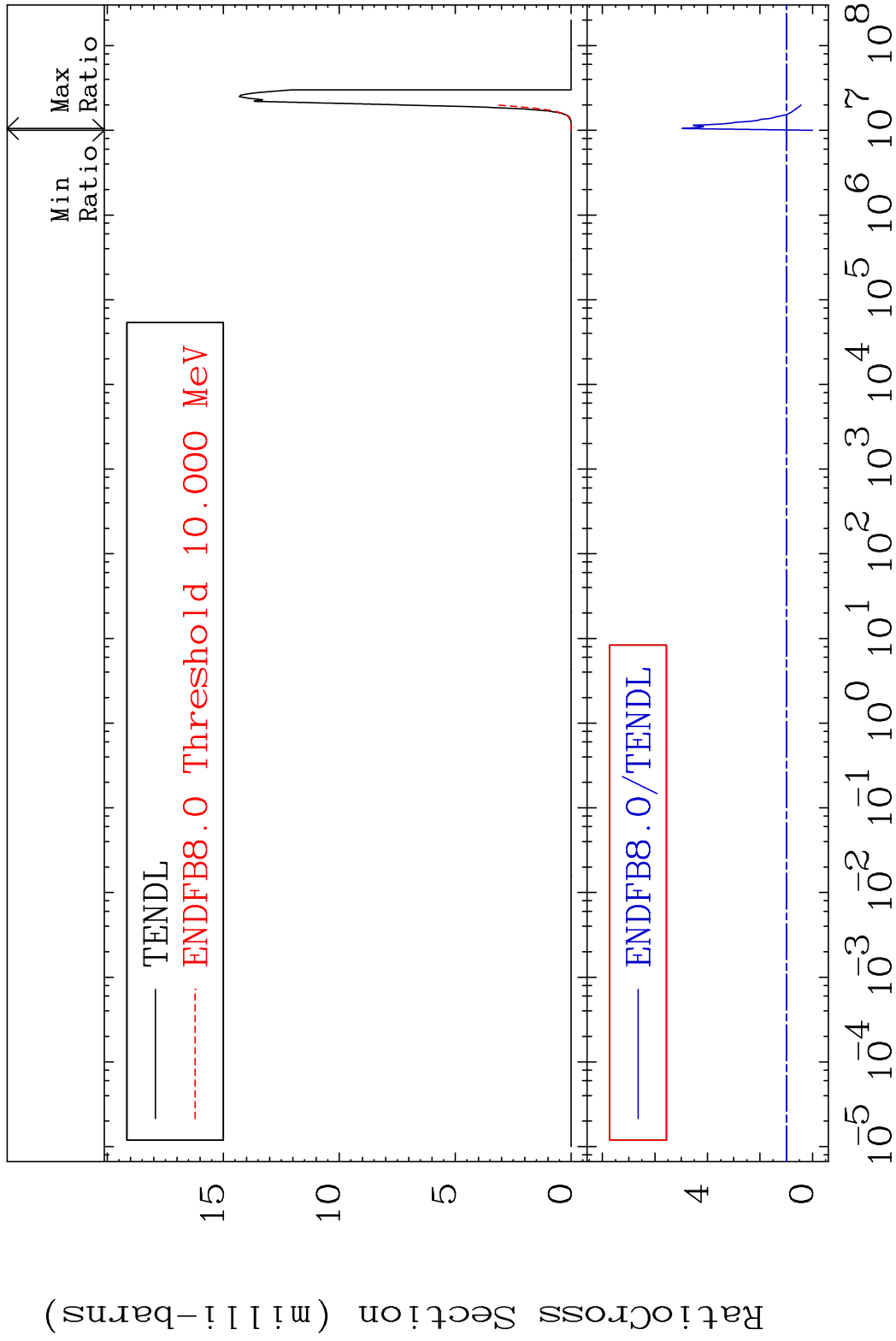
70-Yb-173

MAT 7040

(n, n')  $\alpha$

70-Yb-173

Cross Section -100.0 To 395.7 %



6

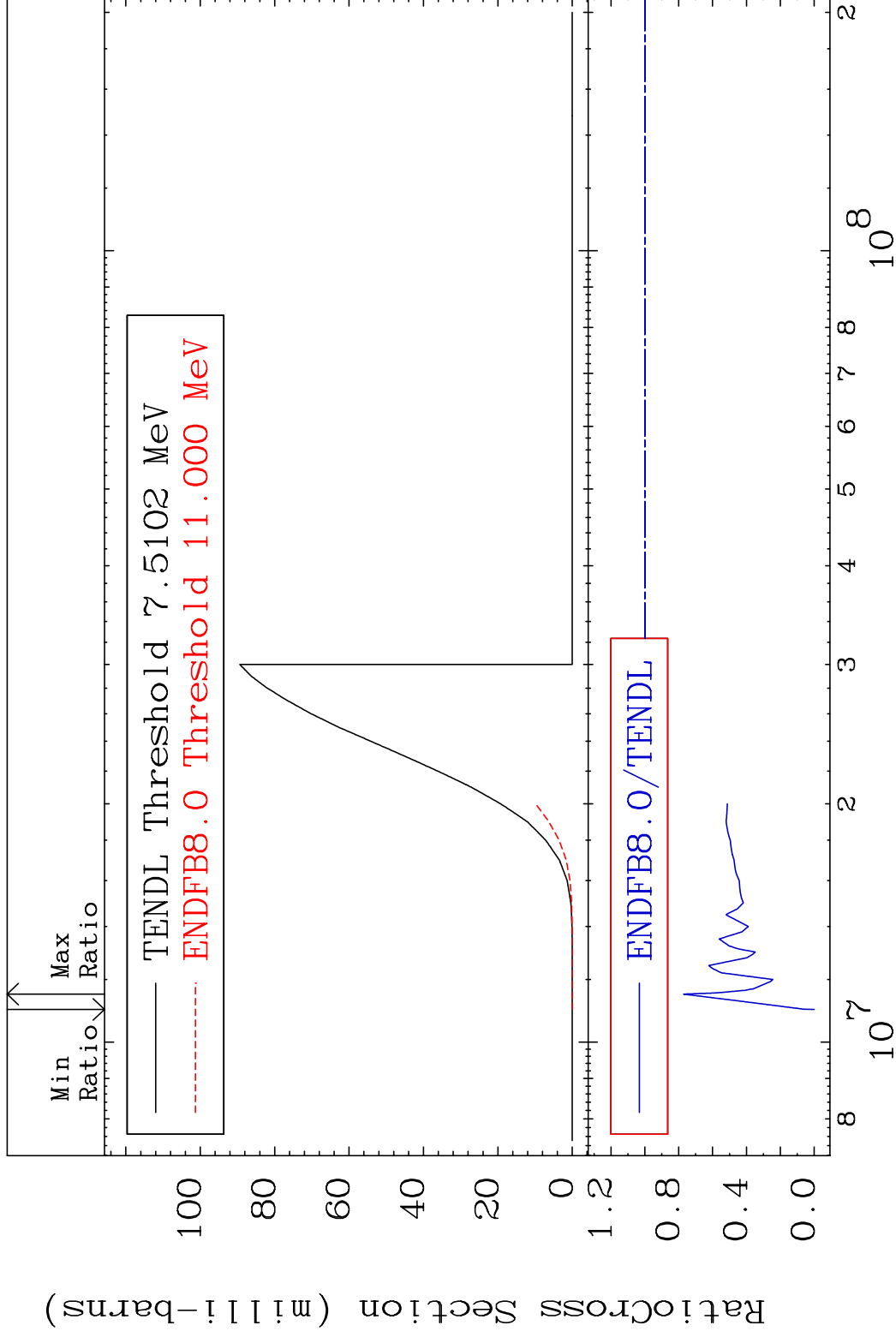
Incident Energy (eV)

70-Yb-173

MAT 7040

(n, n') p 70-Yb-173

Cross Section -100.0 To -22.90%



7

Incident Energy (eV)

70-Yb-173

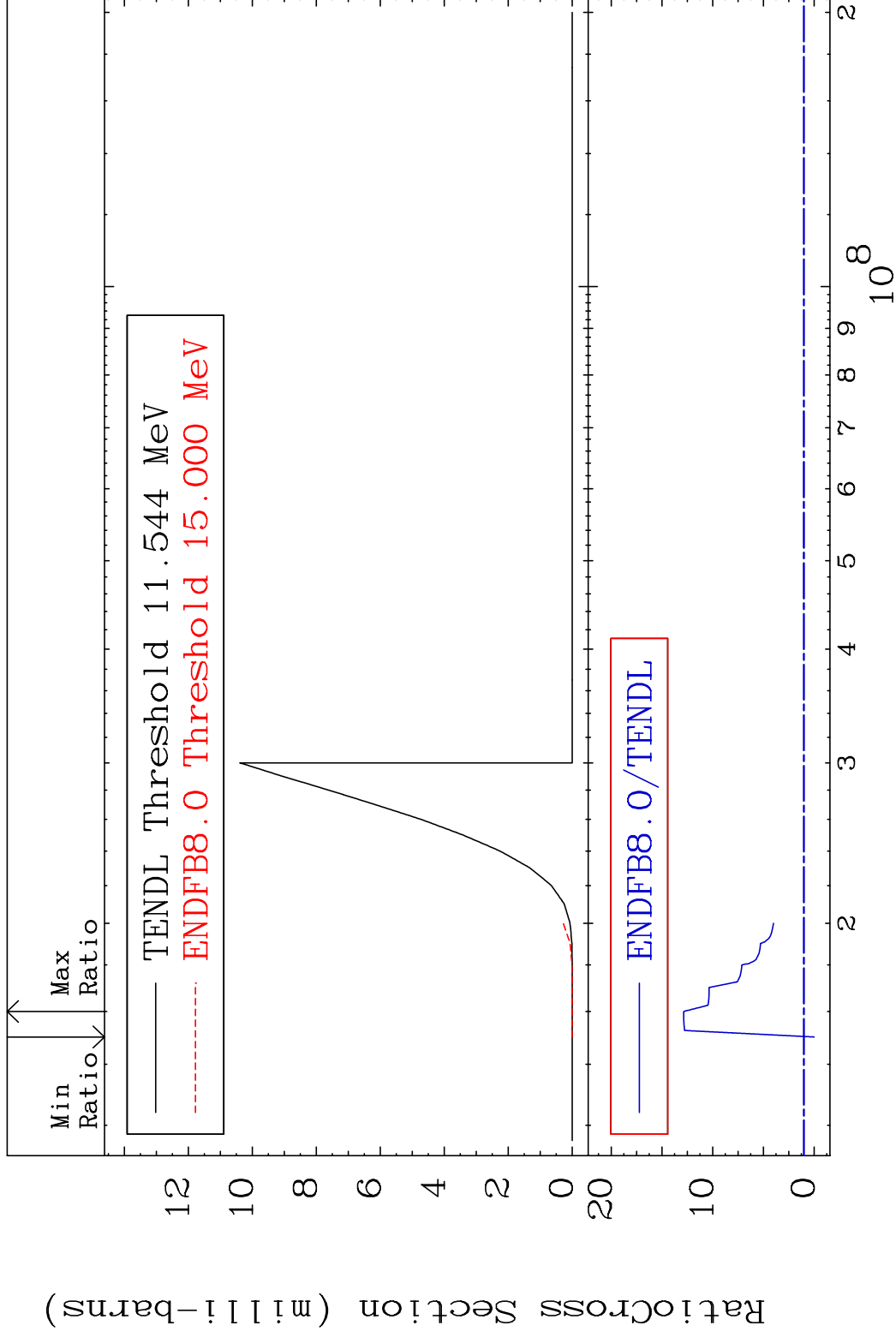


MAT 7040

(n, n') d

70-Yb-173

Cross Section -100.0 To 1186. %

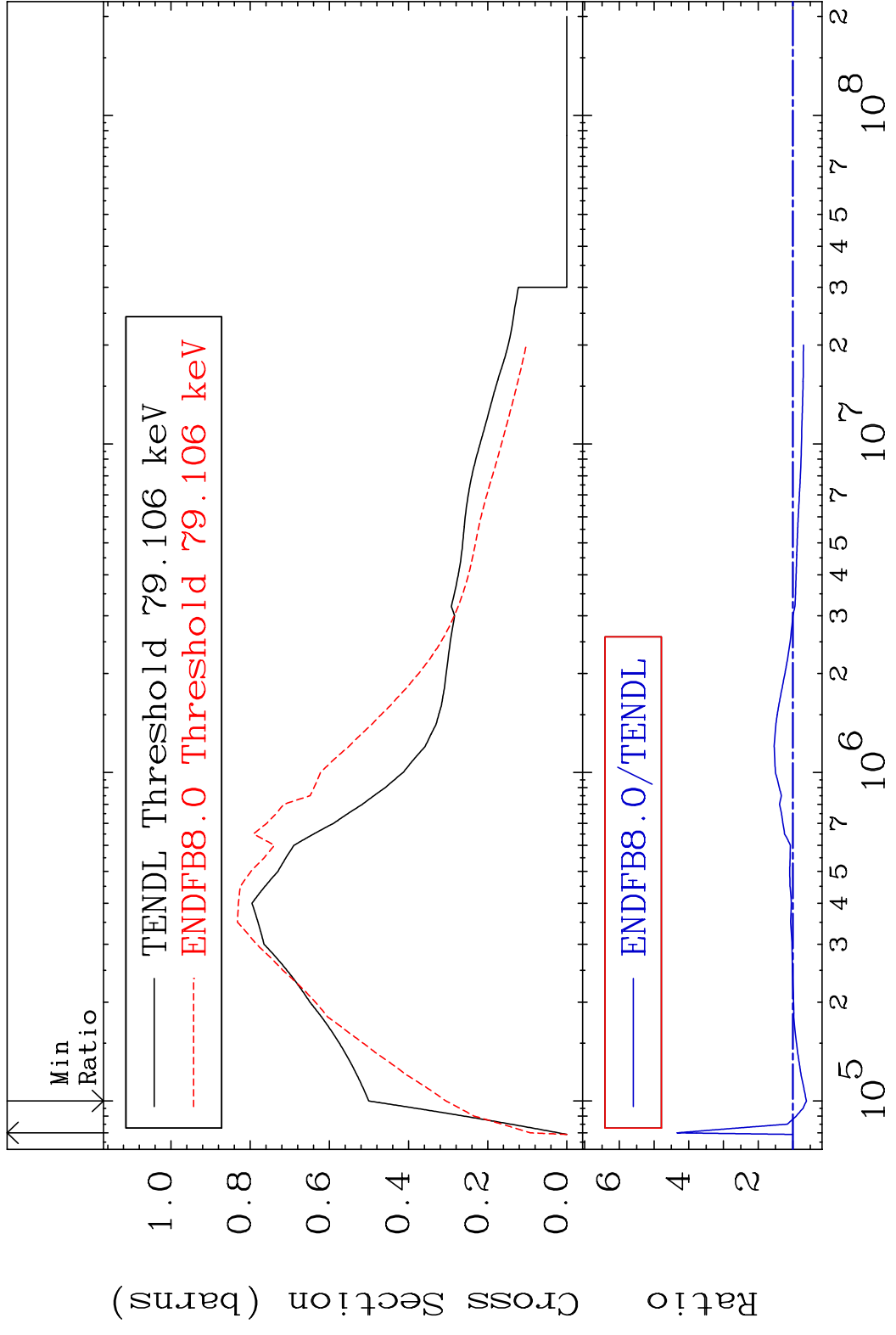


8

Incident Energy (eV)

70-Yb-173

MAT 7040 MT= 51 (n,n') Level 70-Yb-173  
 Cross Section -39.00 To 333.4 %



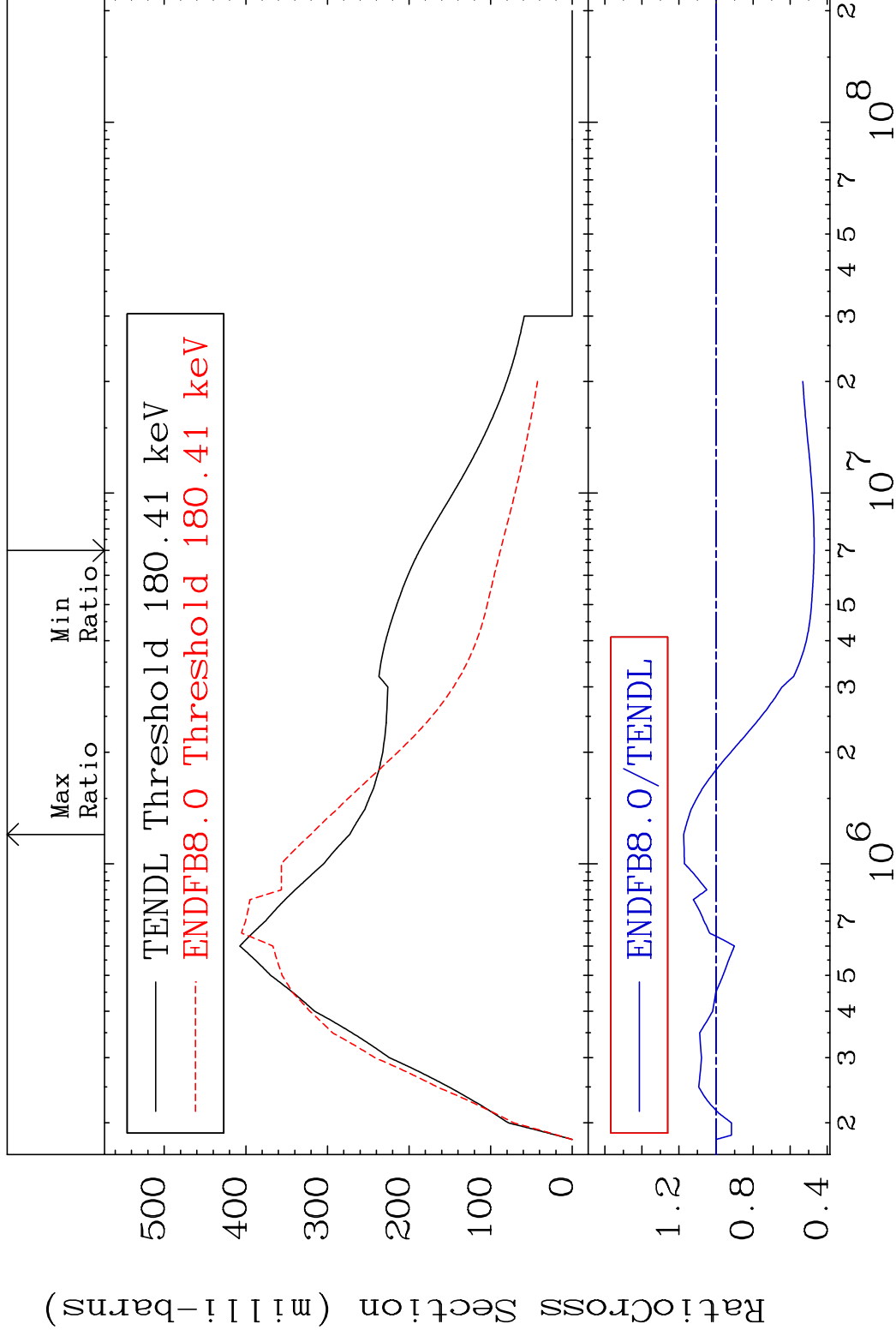
9 Incident Energy (eV) 70-Yb-173

MAT 7040

MT= 52 (n, n') Level

70-Yb-173

Cross Section -52.93 To 17.47 %

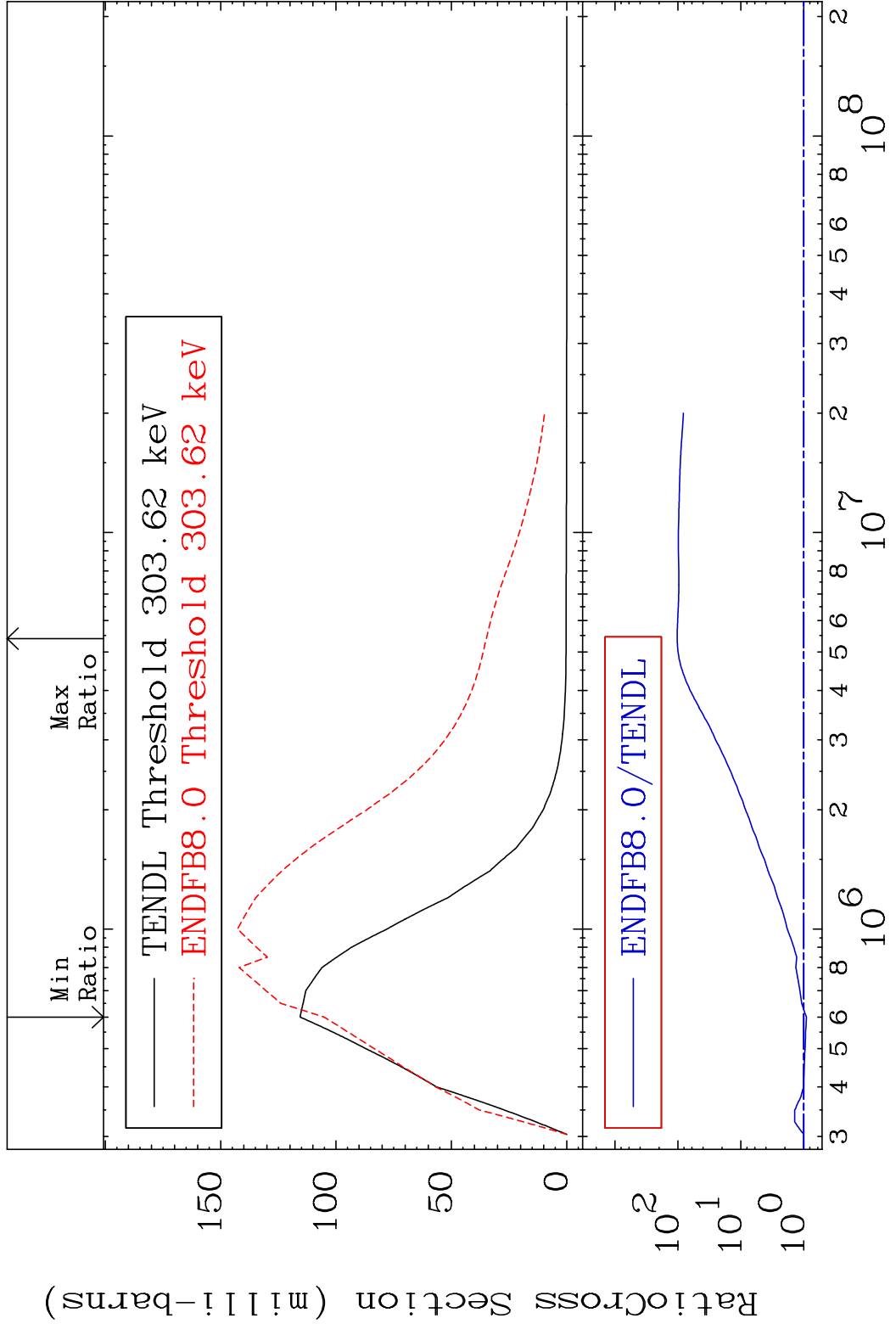


10

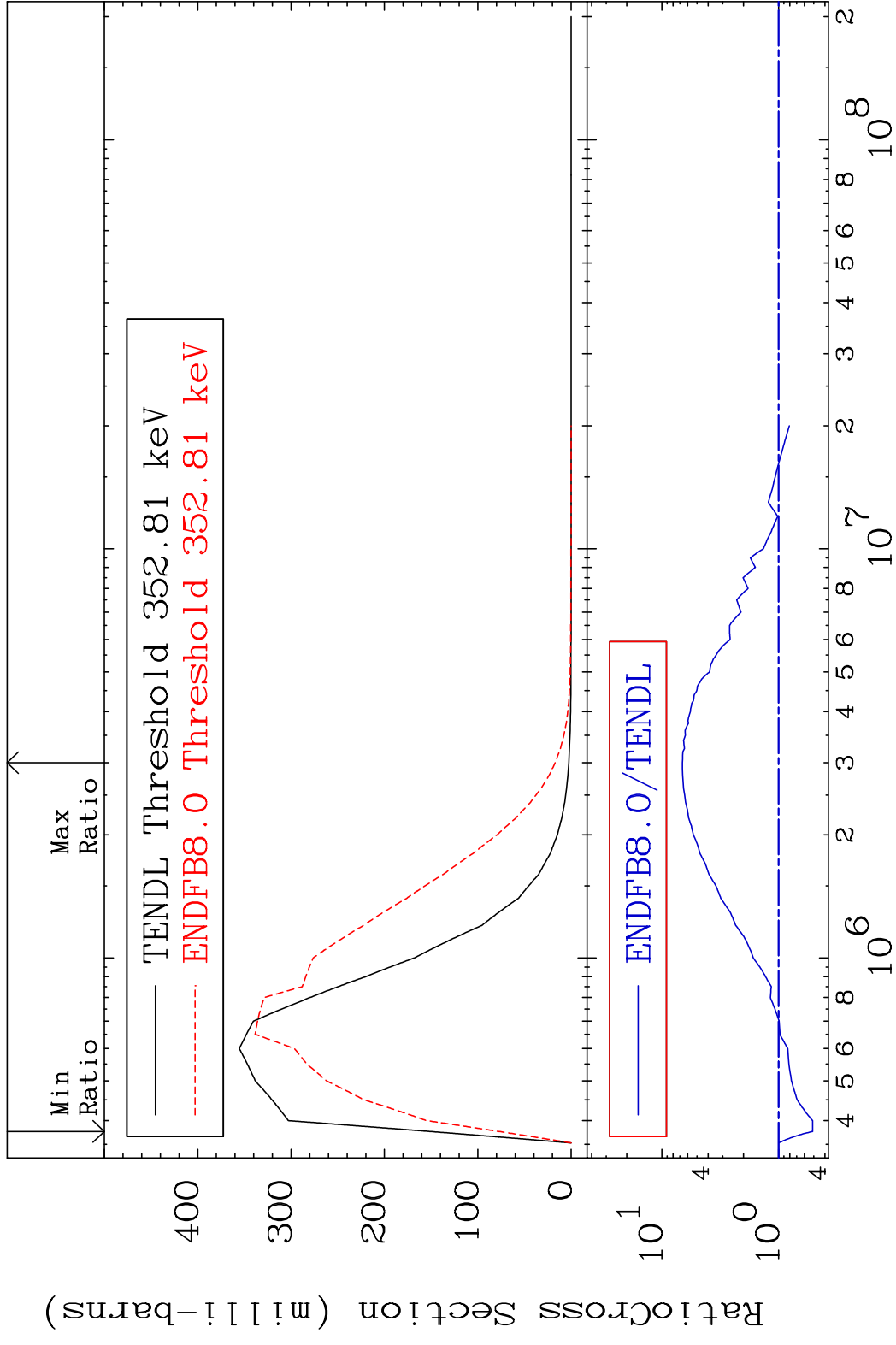
Incident Energy (eV)

70-Yb-173

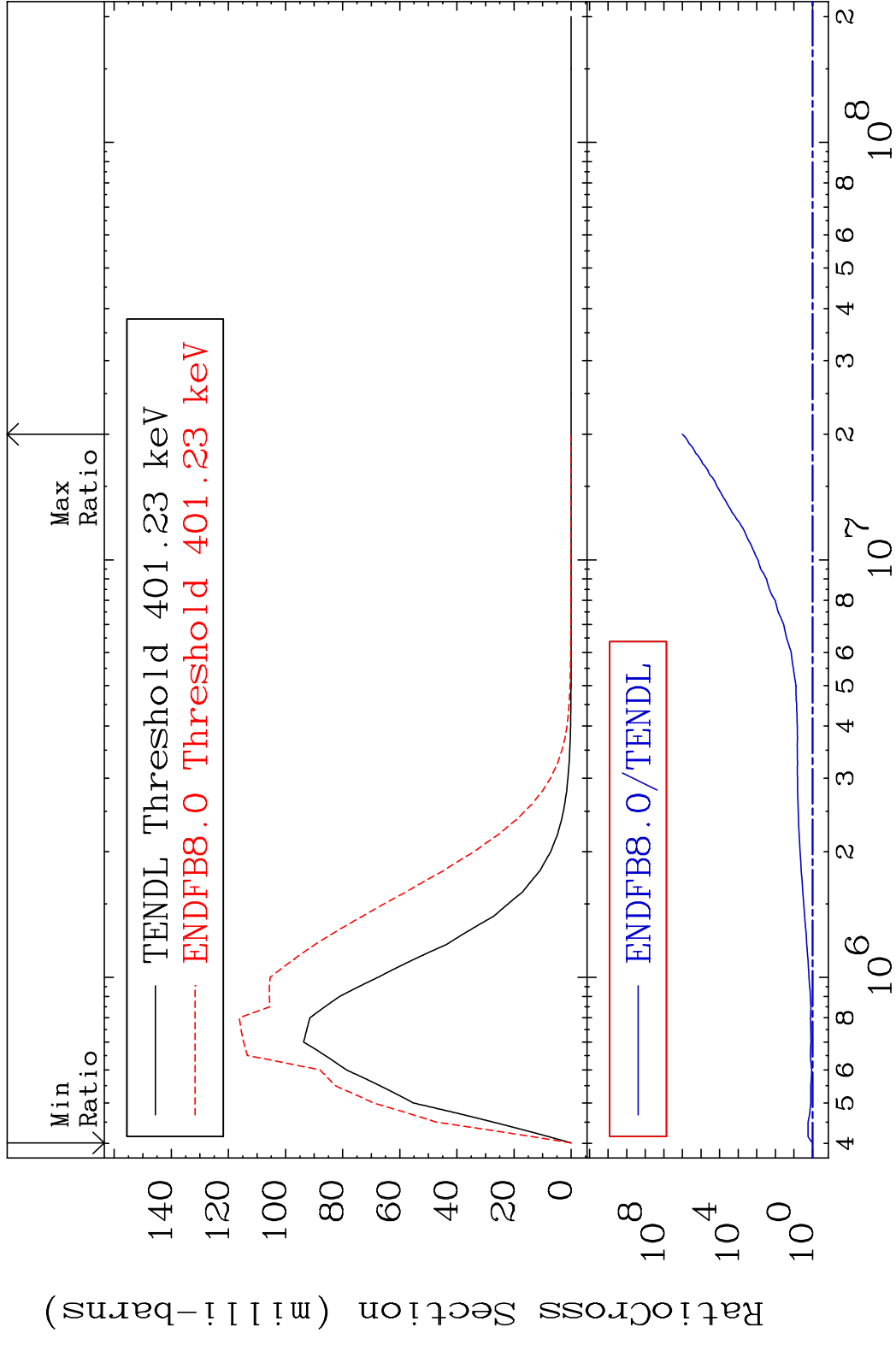
MAT 7040 MT= 53 (n, n') Level 70-Yb-173  
 Cross Section -8.975 To 9999. %



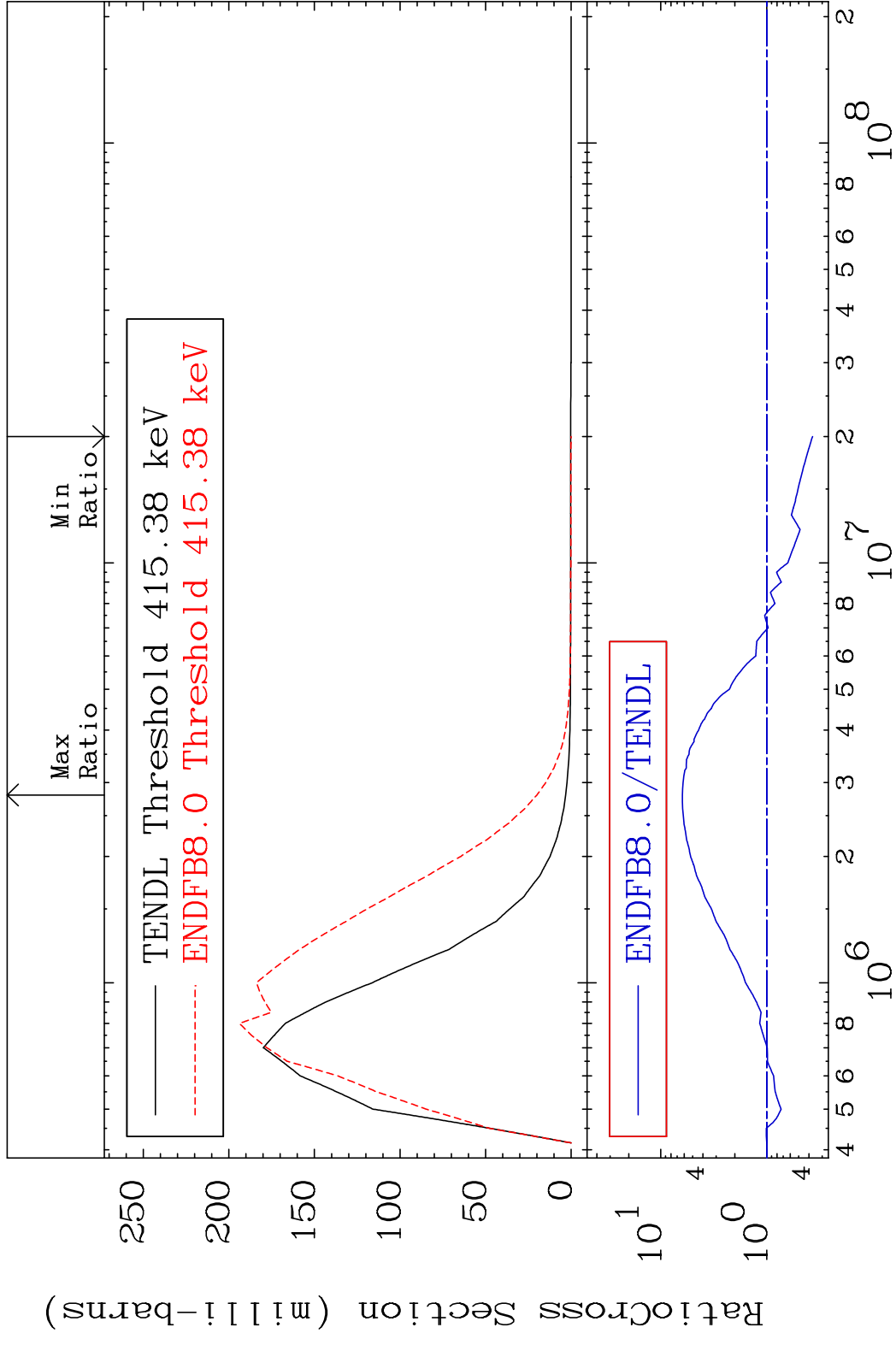
MAT 7040 MT= 54 (n,n') Level 70-Yb-173  
 Cross Section -48.92 To 567.1 %



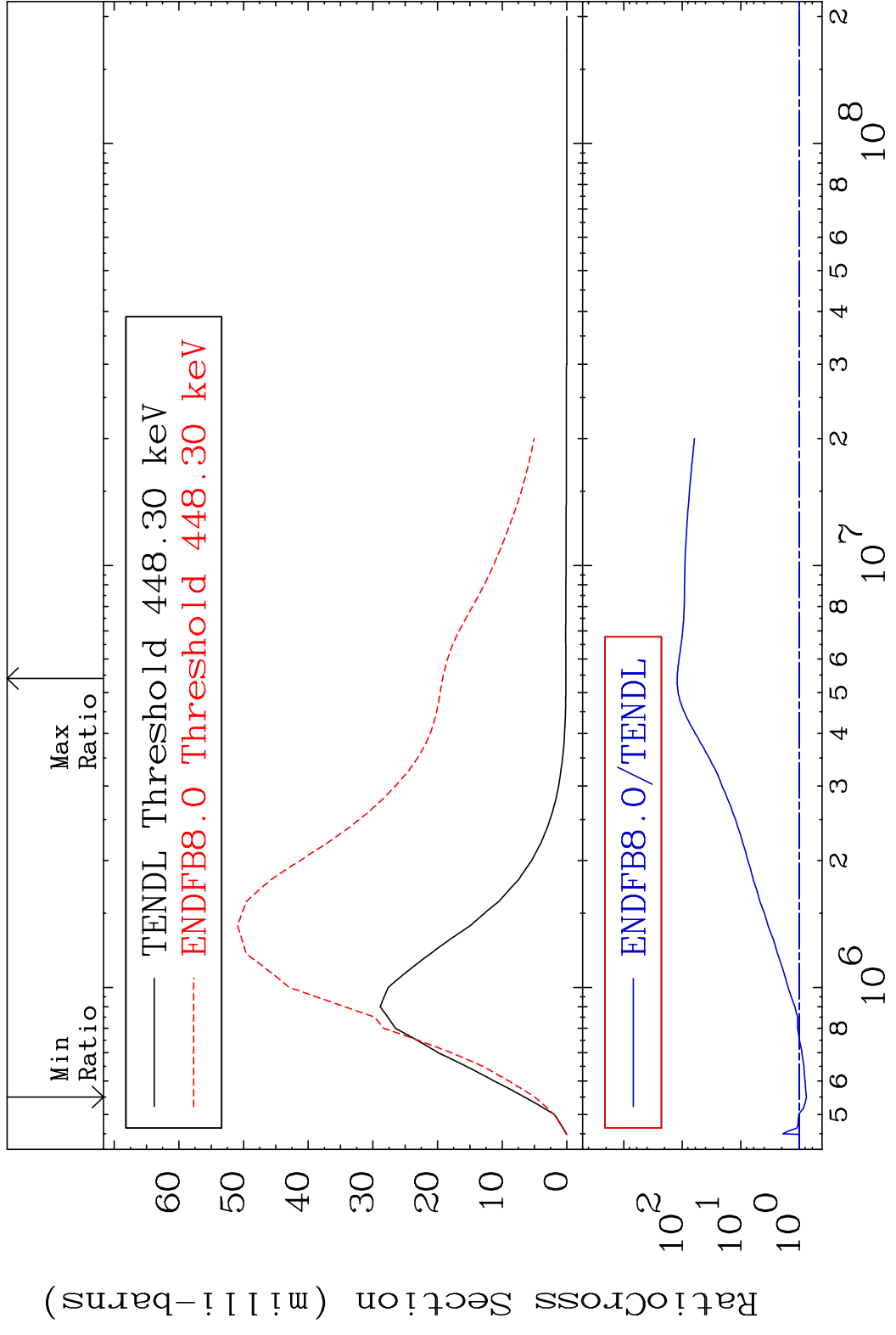
MAT 7040 MT= 55 (n, n') Level 70-Yb-173  
 Cross Section 0.000 To 9999. %



MAT 7040 MT= 56 (n, n') Level 70-Yb-173  
 Cross Section -63.08 To 524.0 %

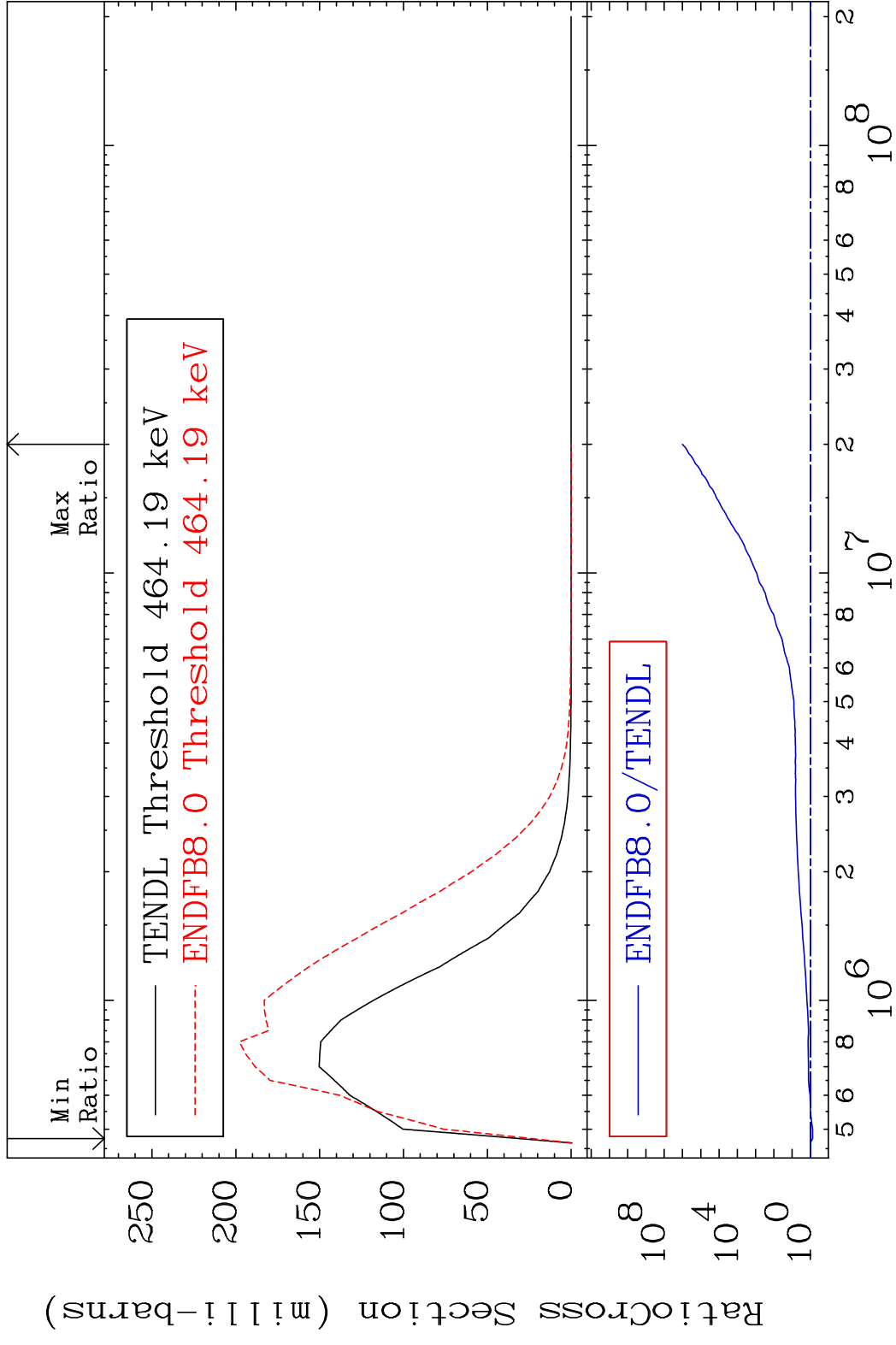


MAT 7040 MT= 57 (n, n') Level 70-Yb-173  
 Cross Section -24.34 To 9999. %

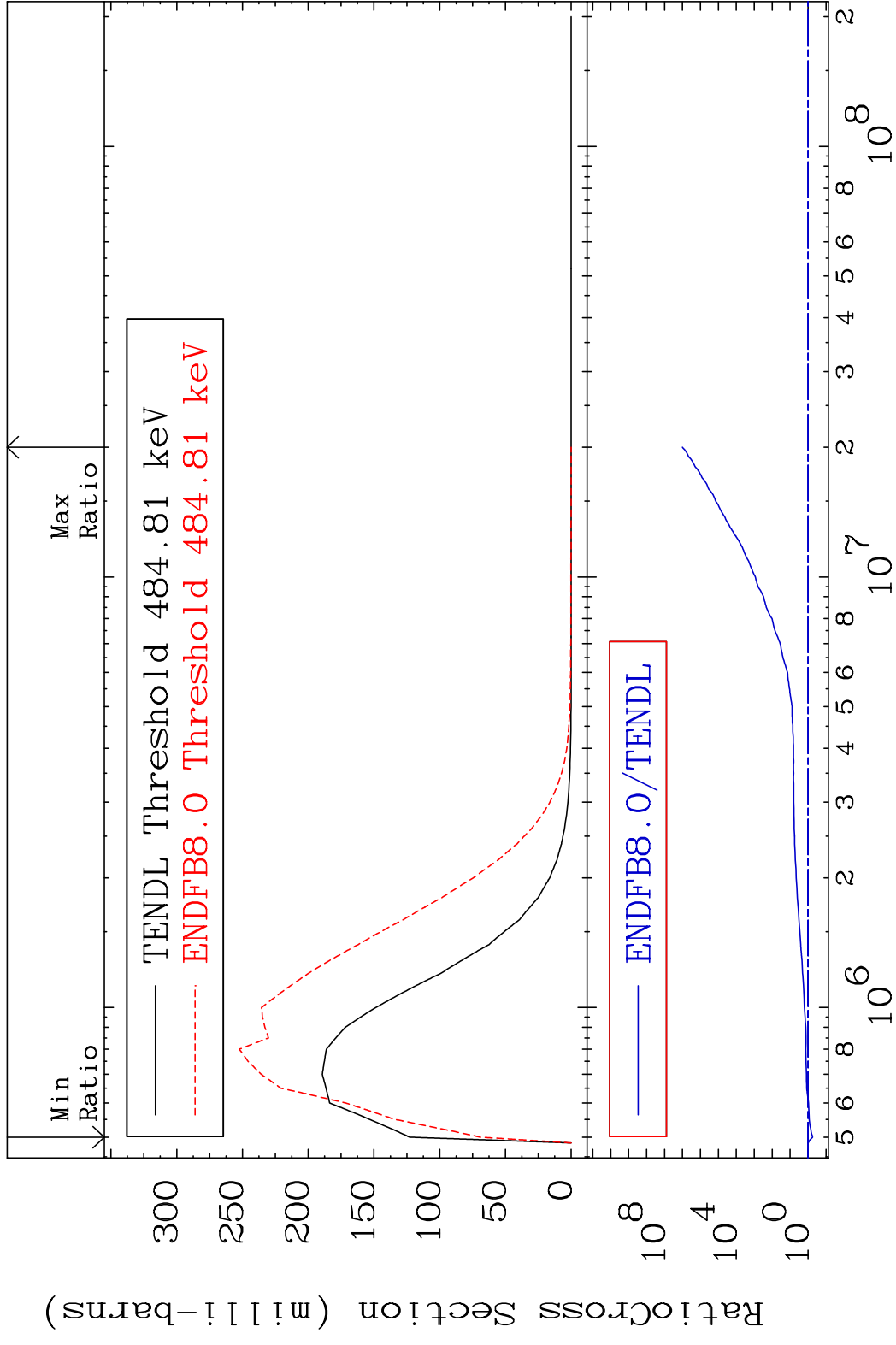




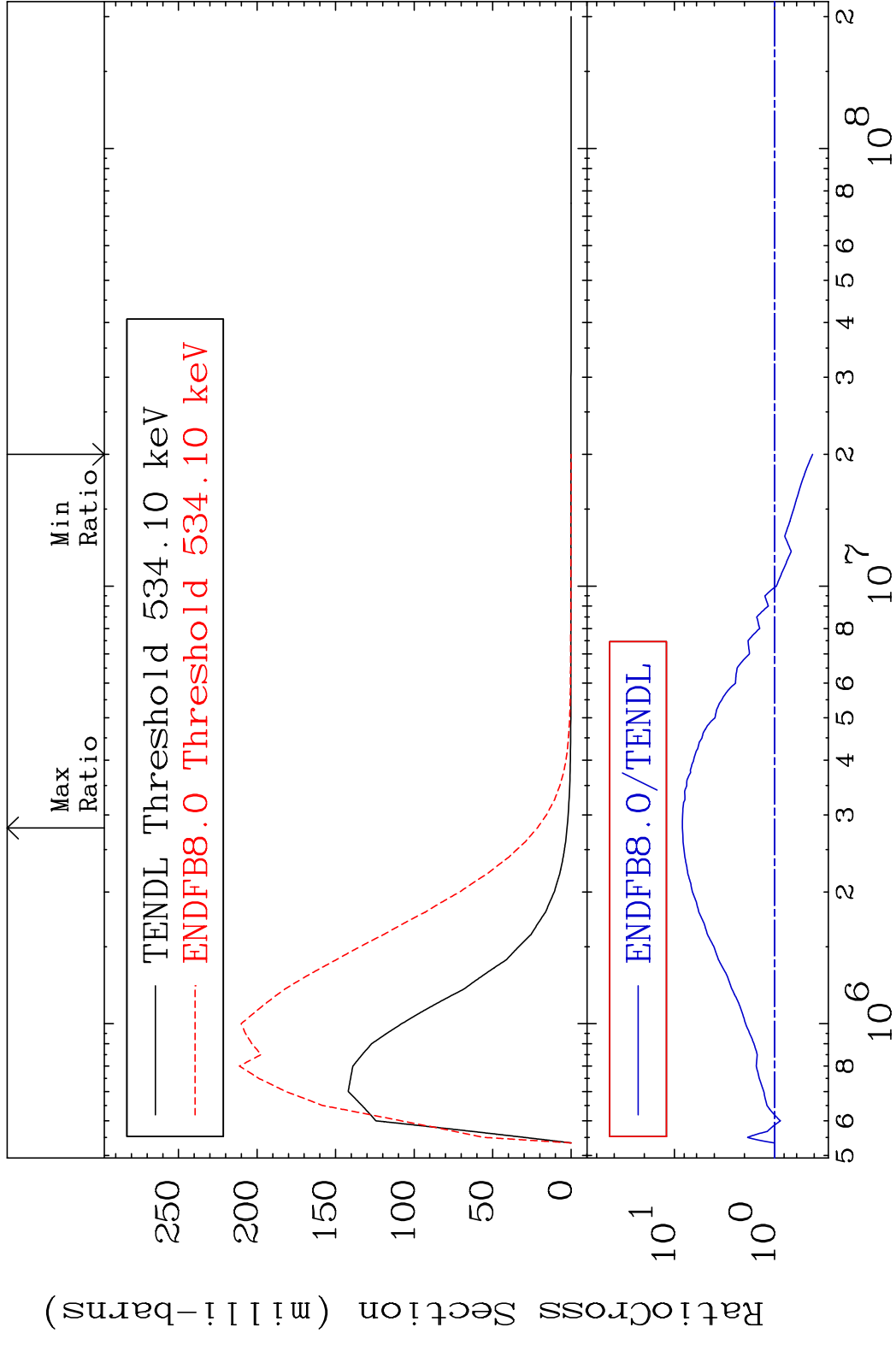
MAT 7040 MT= 58 (n, n') Level 70-Yb-173  
 Cross Section -24.19 To 9999. %



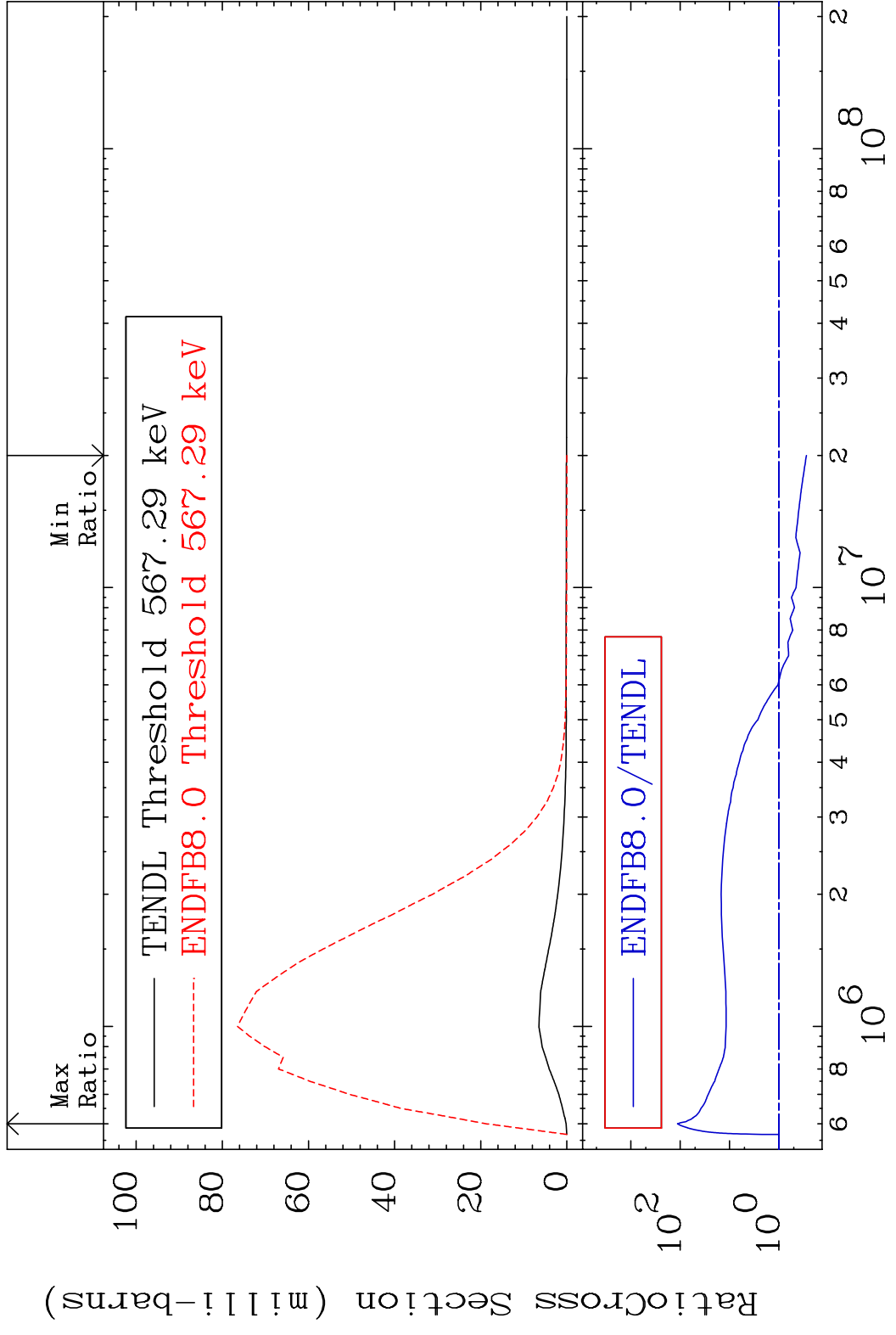
MAT 7040 MT= 59 (n, n') Level 70-Yb-173  
 Cross Section -43.91 To 9999. %



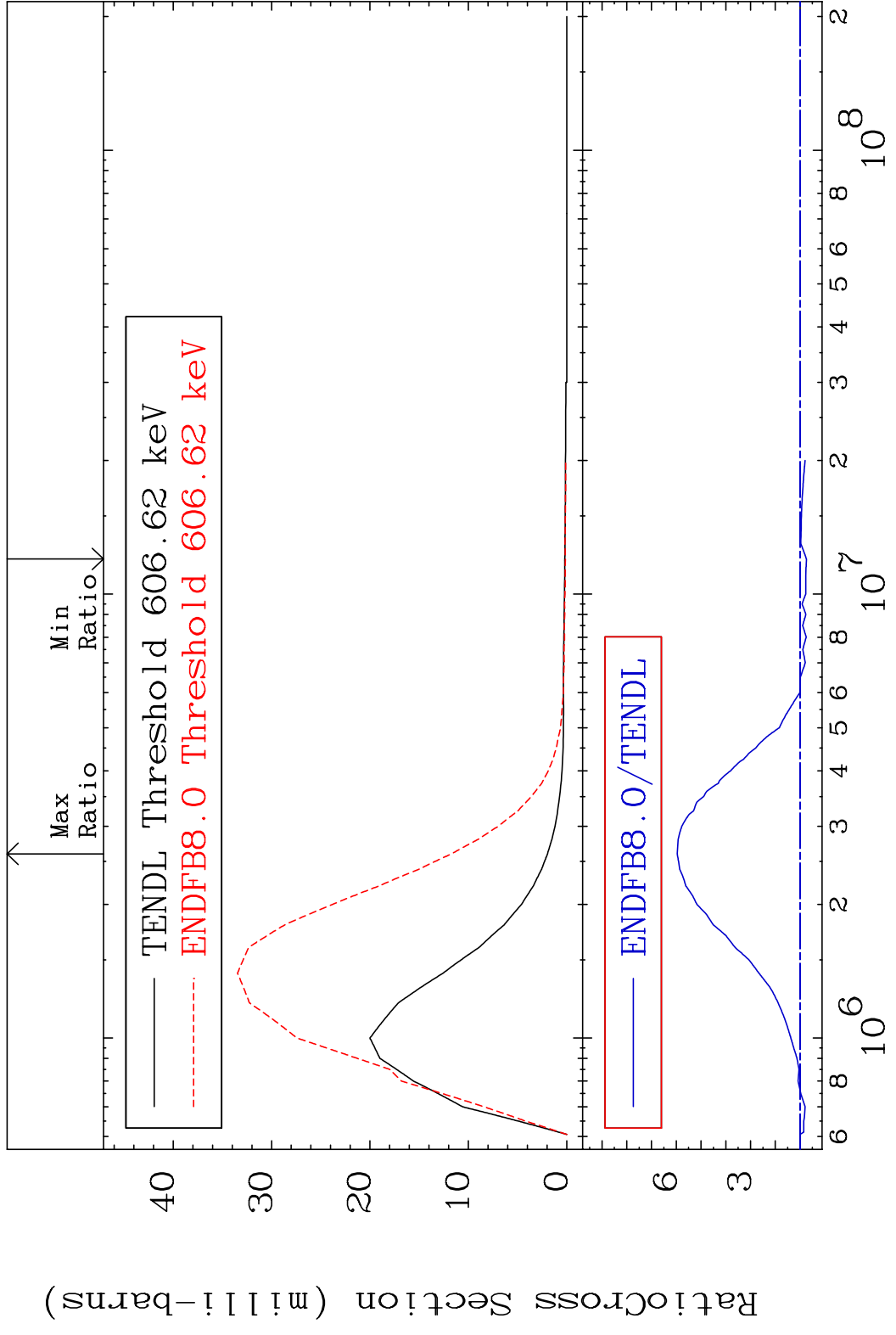
MAT 7040 MT= 60 (n, n') Level 70-Yb-173  
 Cross Section -58.40 To 732.9 %



MAT 7040 MT= 61 (n, n') Level 70-Yb-173  
 Cross Section -72.33 To 9999. %

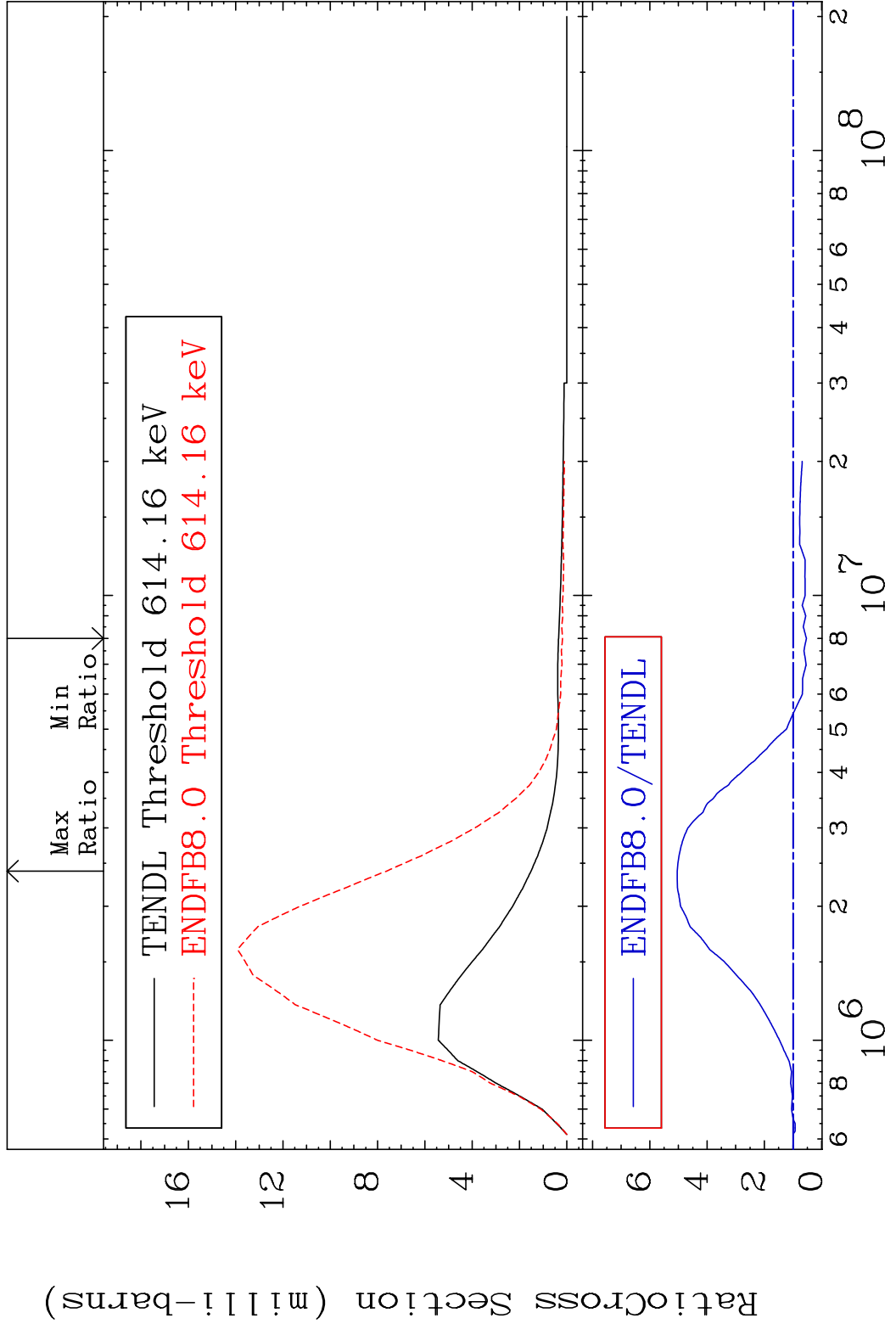


MAT 7040 MT= 62 (n, n') Level 70-Yb-173  
 Cross Section -25.82 To 496.3 %

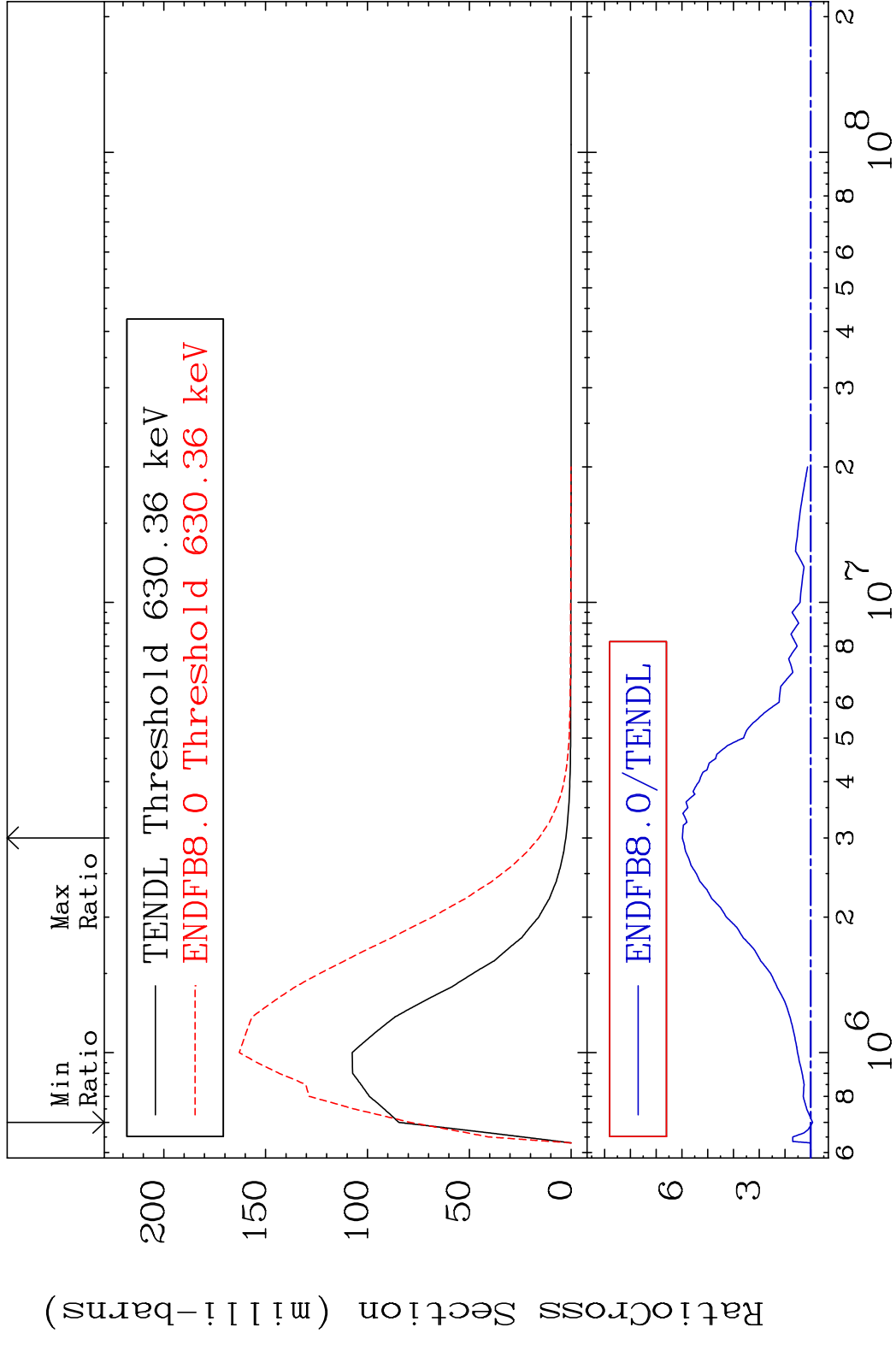


20 6 3 4 5 6 8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 70-Yb-173

MAT 7040 MT= 63 (n, n') Level 70-Yb-173  
 Cross Section -46.72 To 404.3 %



MAT 7040 MT= 64 (n, n') Level 70-Yb-173  
 Cross Section -6.634 To 498.2 %

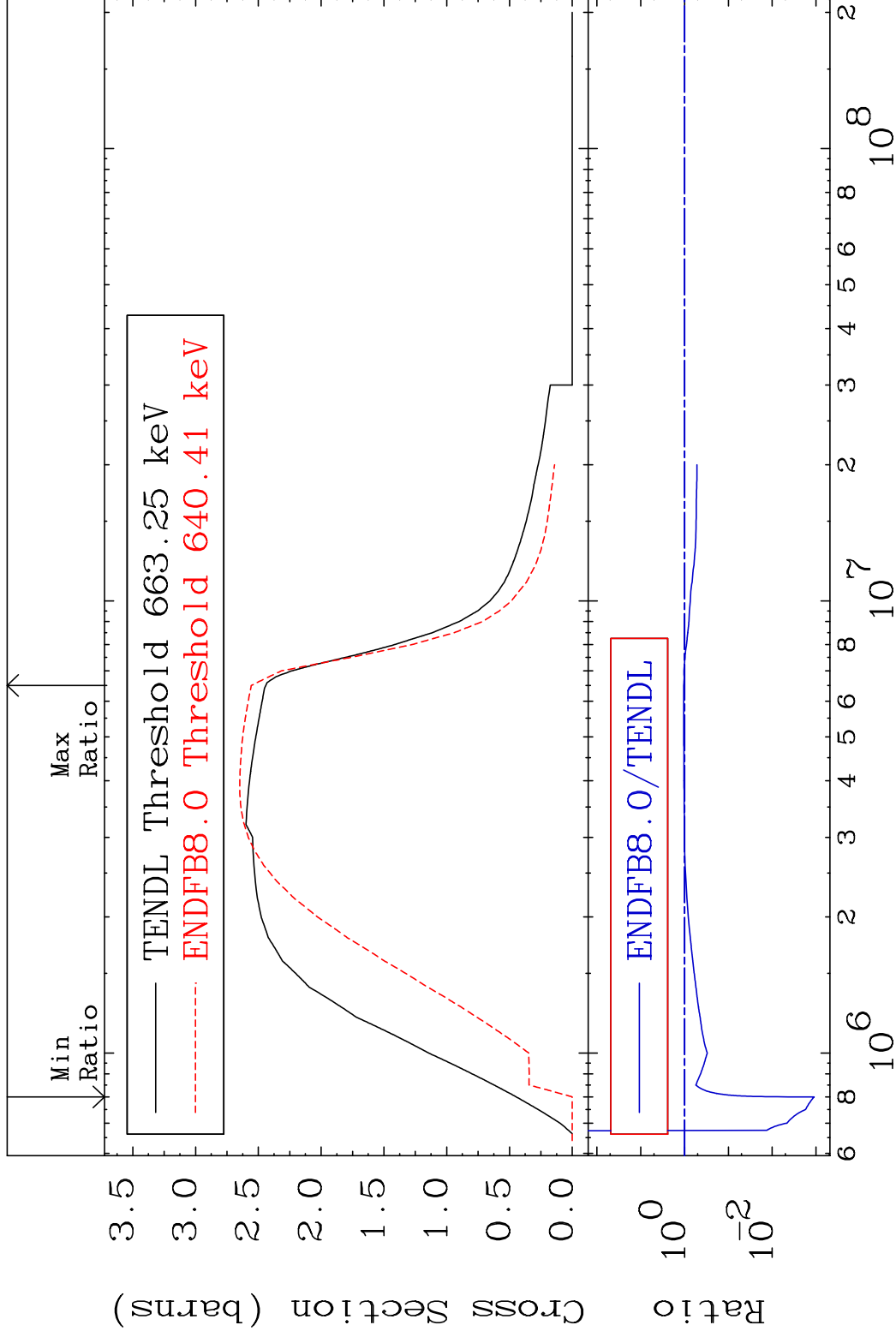


MAT 7040

(n, n') Continuum

70-Yb-173

Cross Section -99.89 To 4.767 %



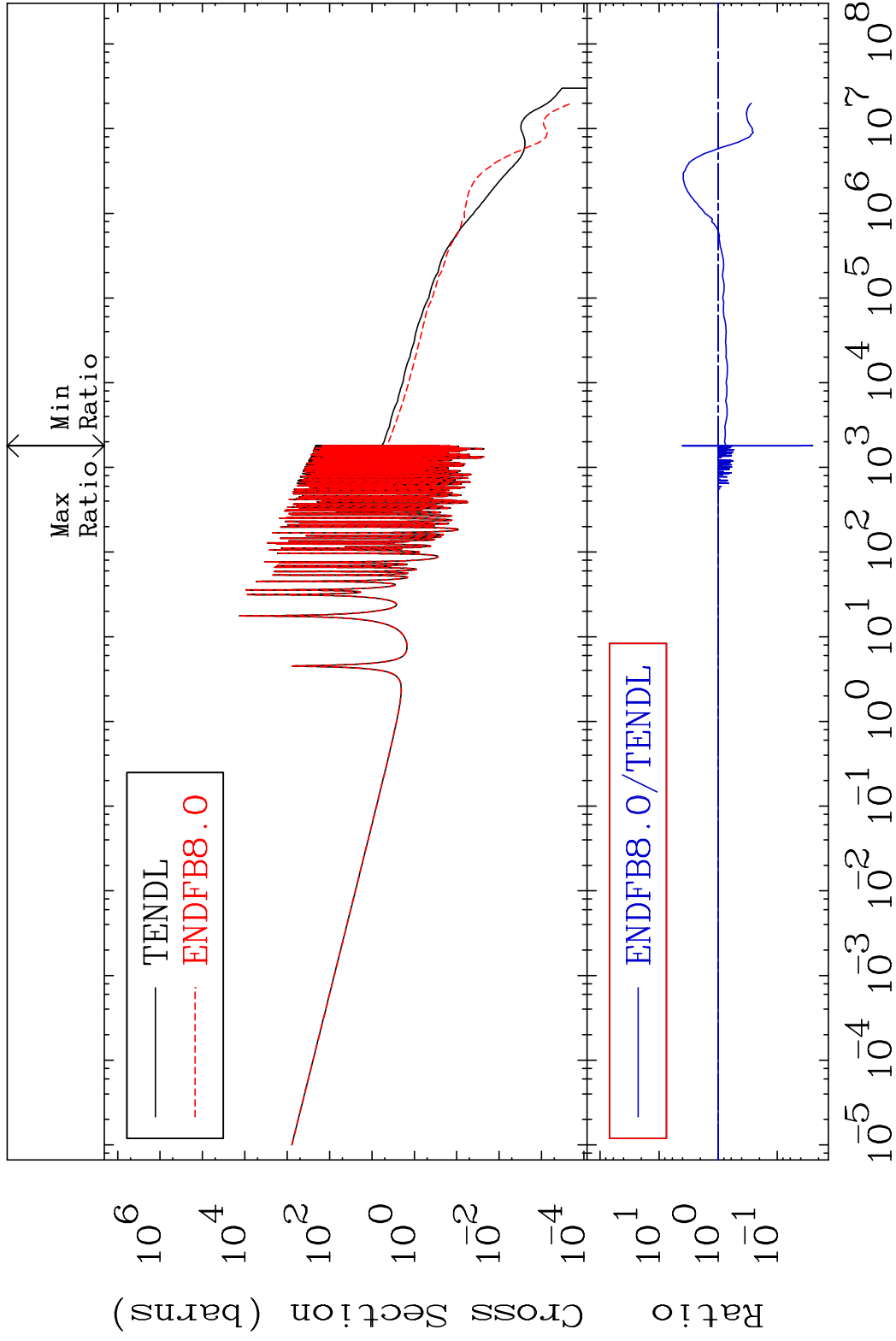


MAT 7040

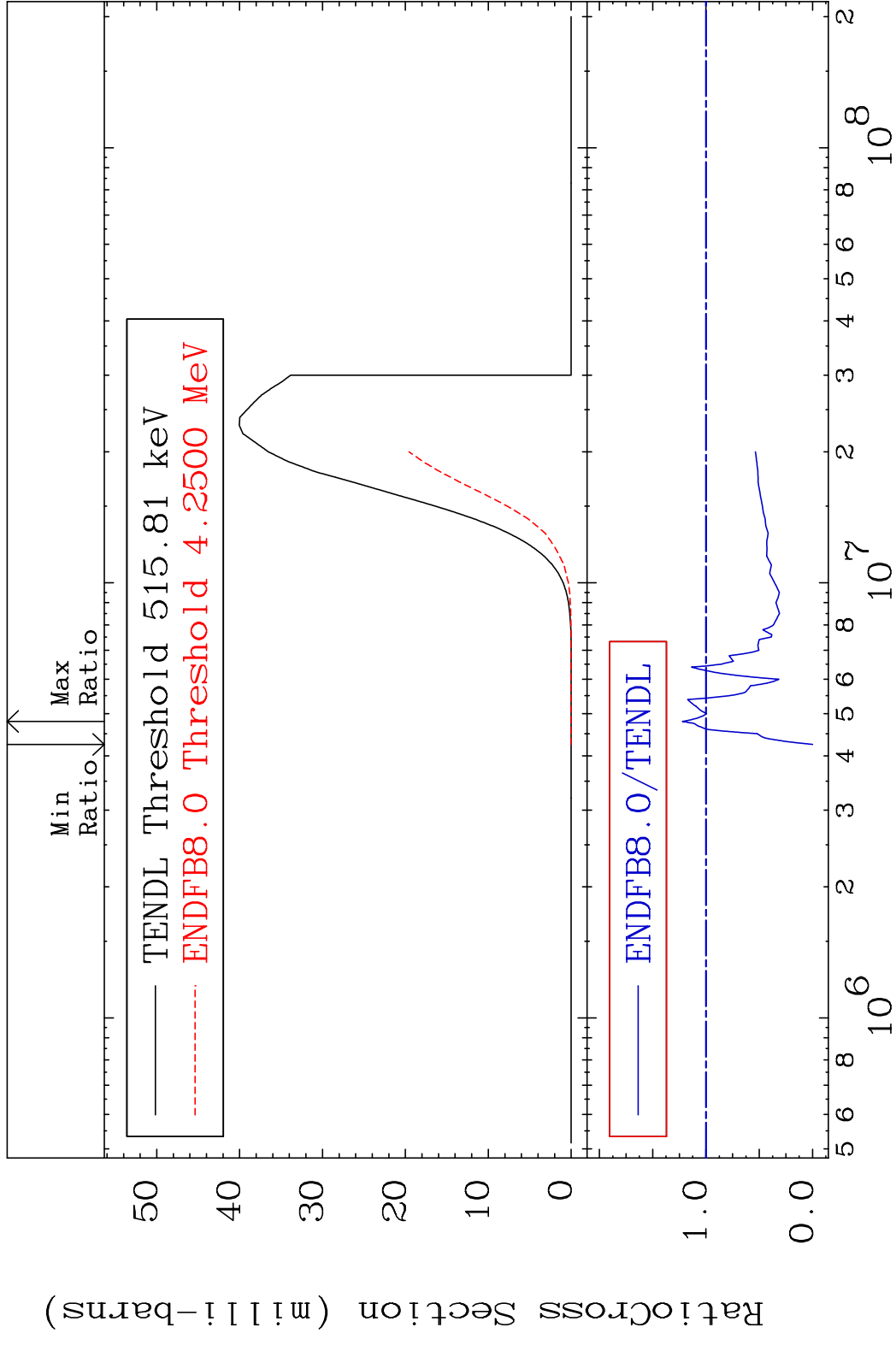
(n,  $\gamma$ )

70-Yb-173

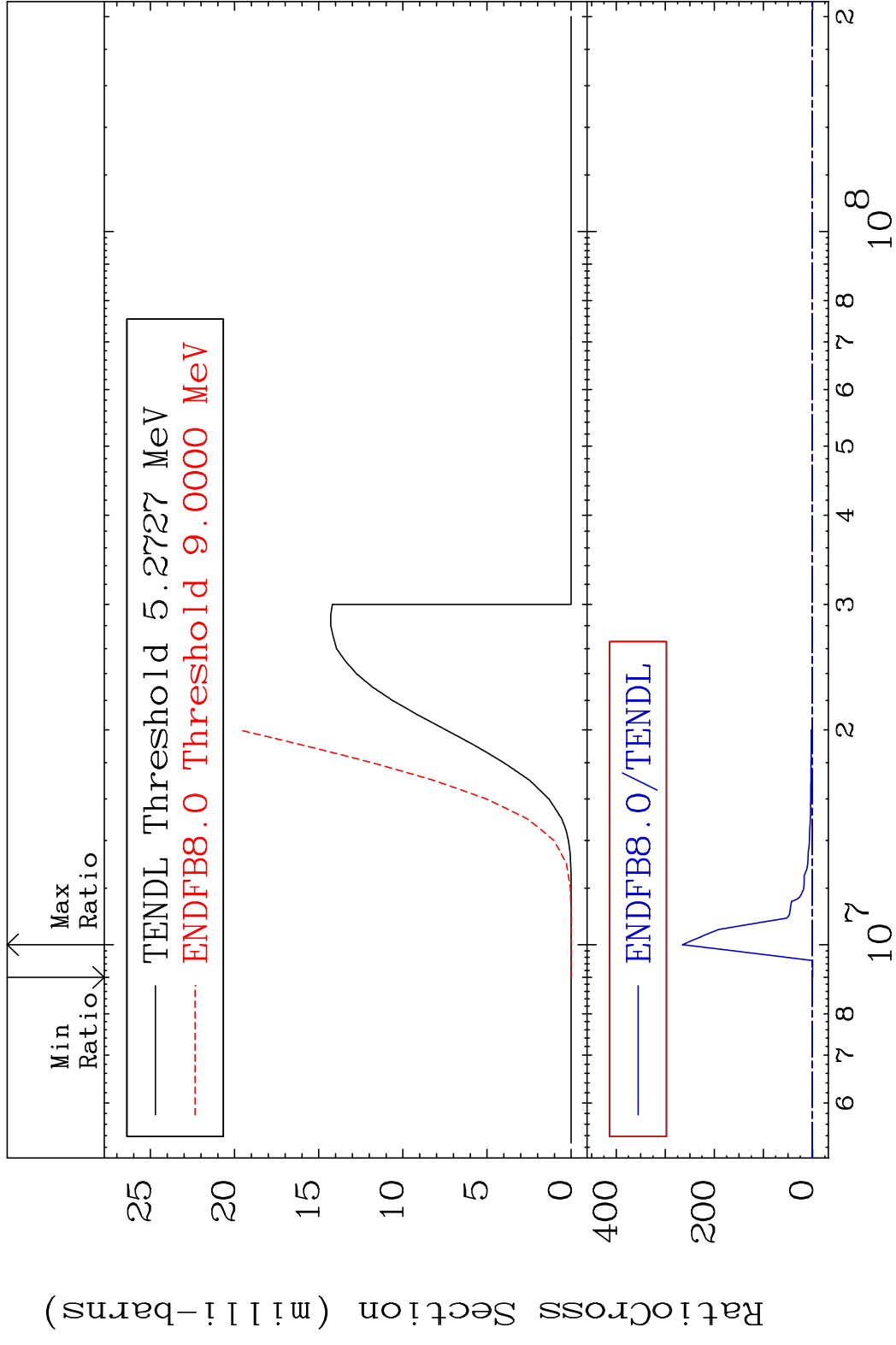
Cross Section -97.48 To 304.6 %



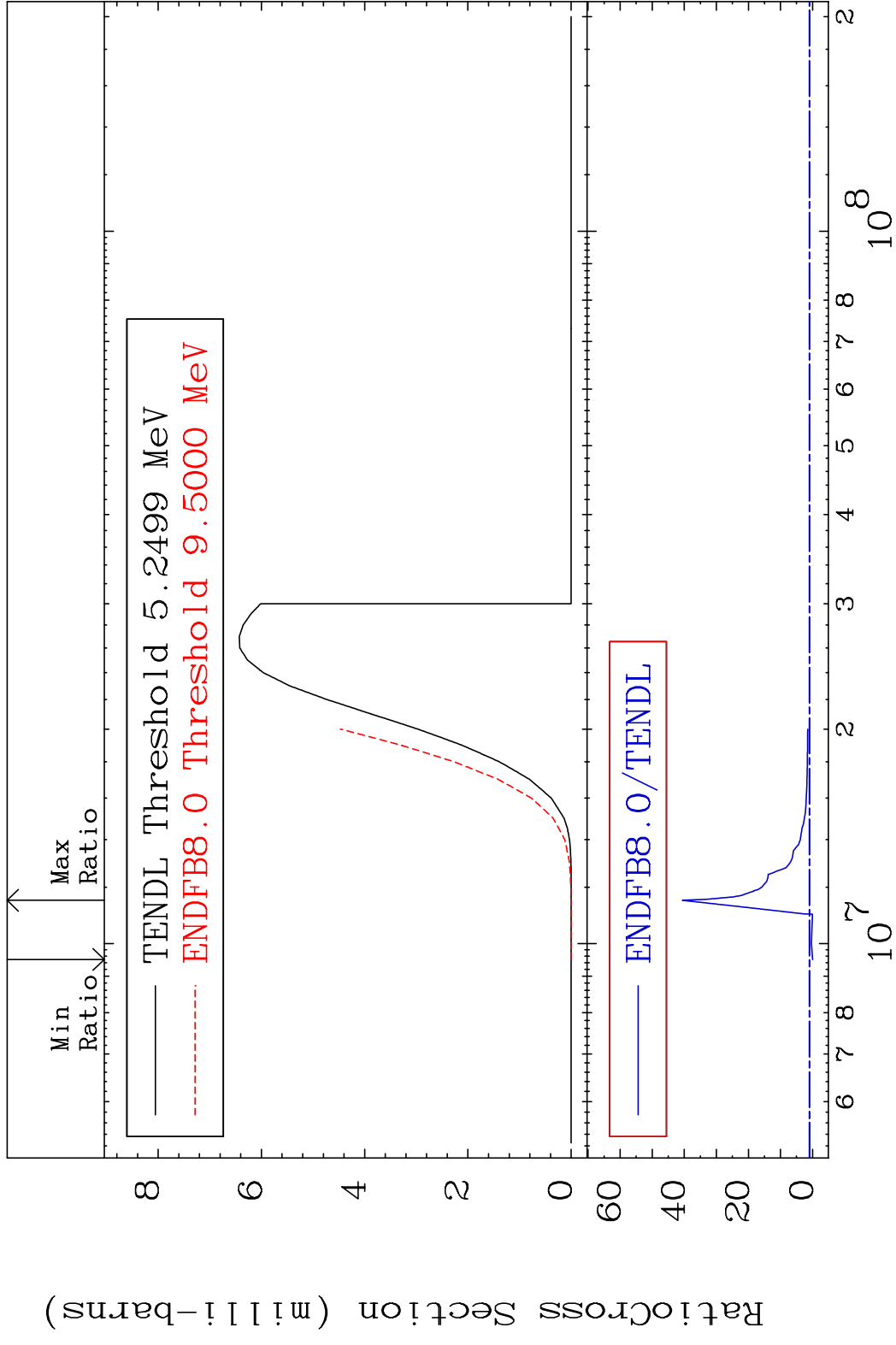
MAT 7040 (n,p) 70-Yb-173  
 Cross Section -100.0 To 22.17 %



MAT 7040 (n,d) 70-Yb-173  
 Cross Section -100.0 To 9999. %



MAT 7040 (n, t) 70-Yb-173  
 Cross Section -100.0 To 3960. %

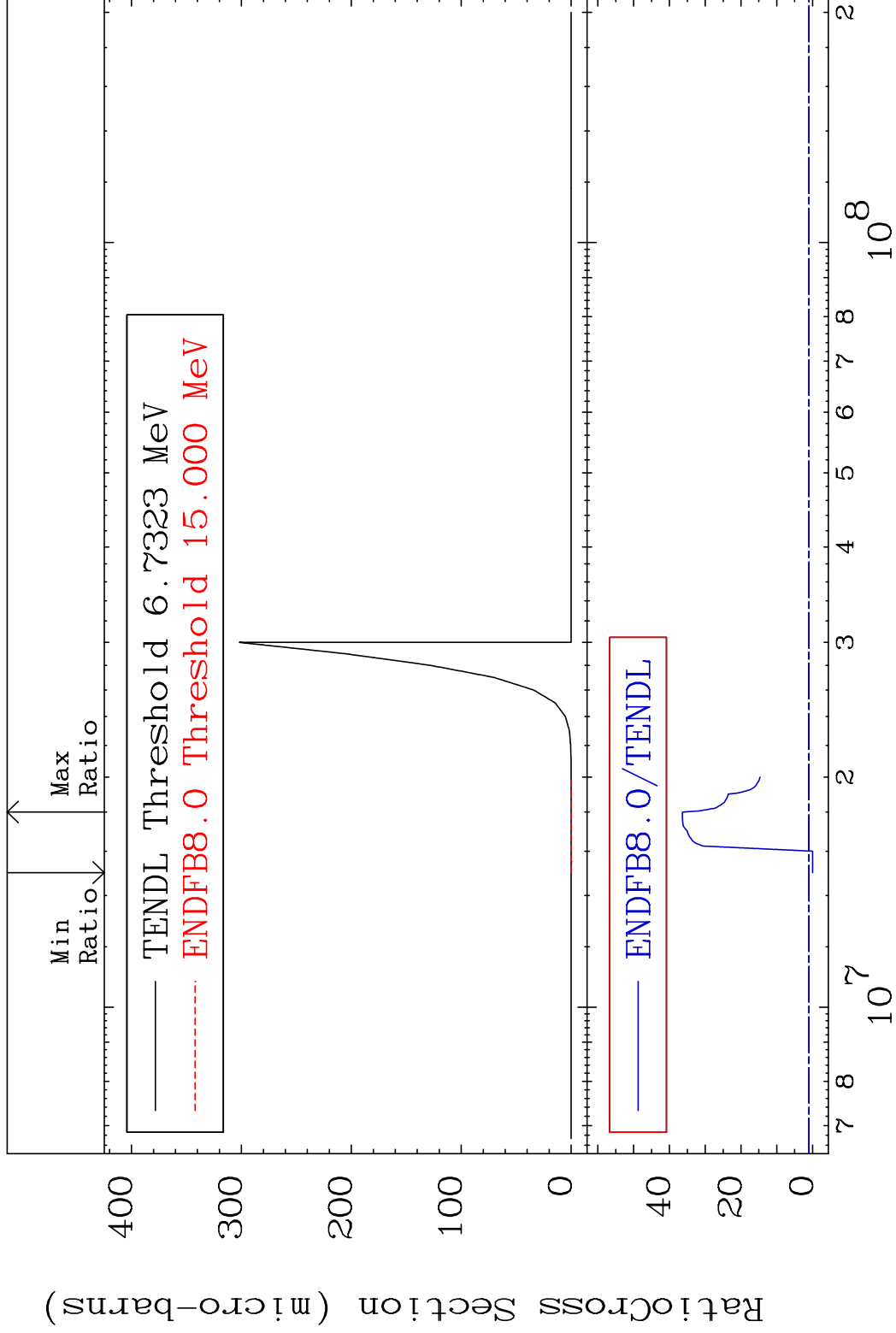


MAT 7040

(n, He-3)

70-Yb-173

Cross Section -100.0 To 3539. %



28

Incident Energy (eV)

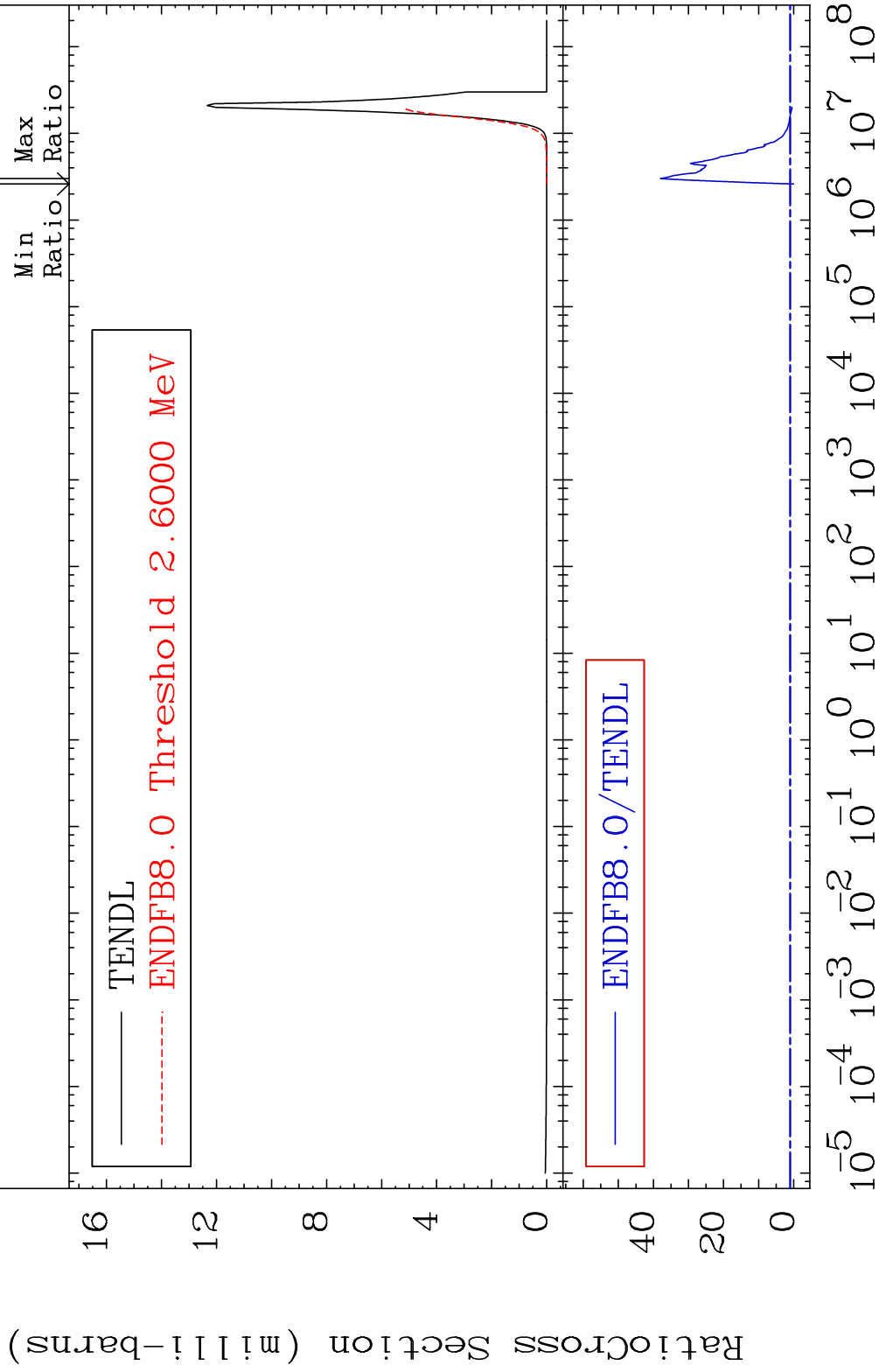
70-Yb-173

MAT 7040

(n,  $\alpha$ )

70-Yb-173

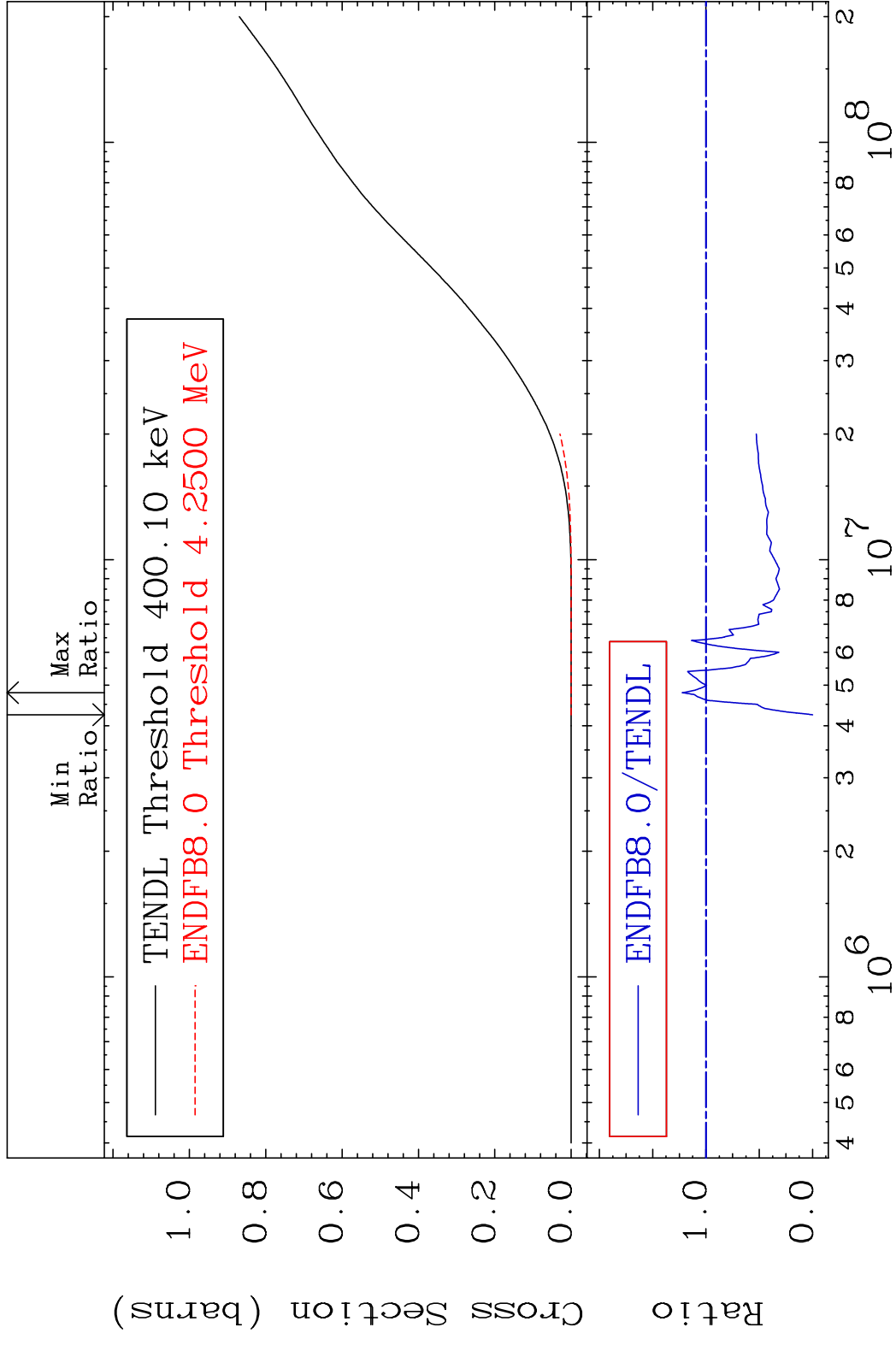
Cross Section -100.0 To 3700. %



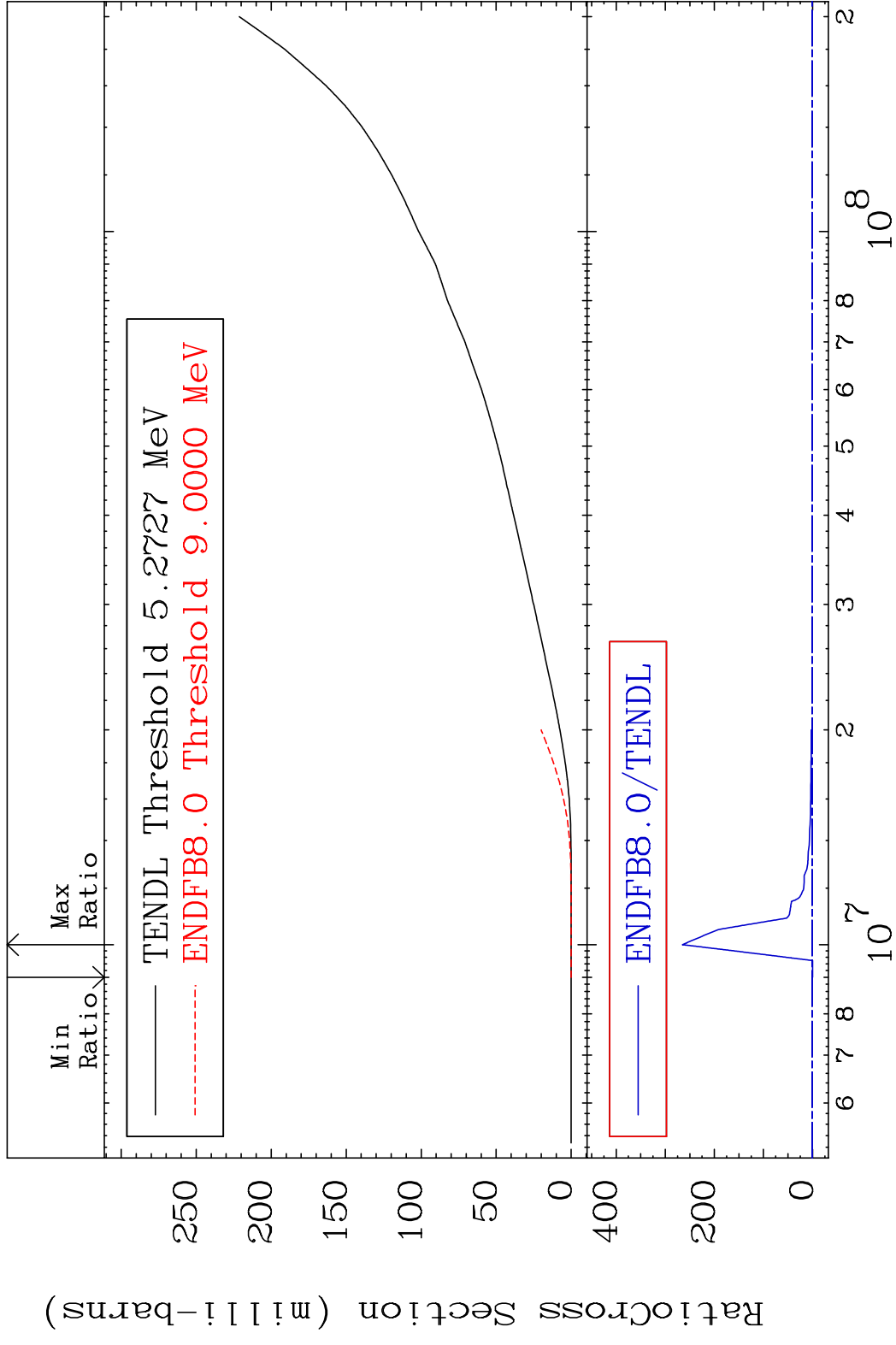
29

Incident Energy (eV)

70-Yb-173

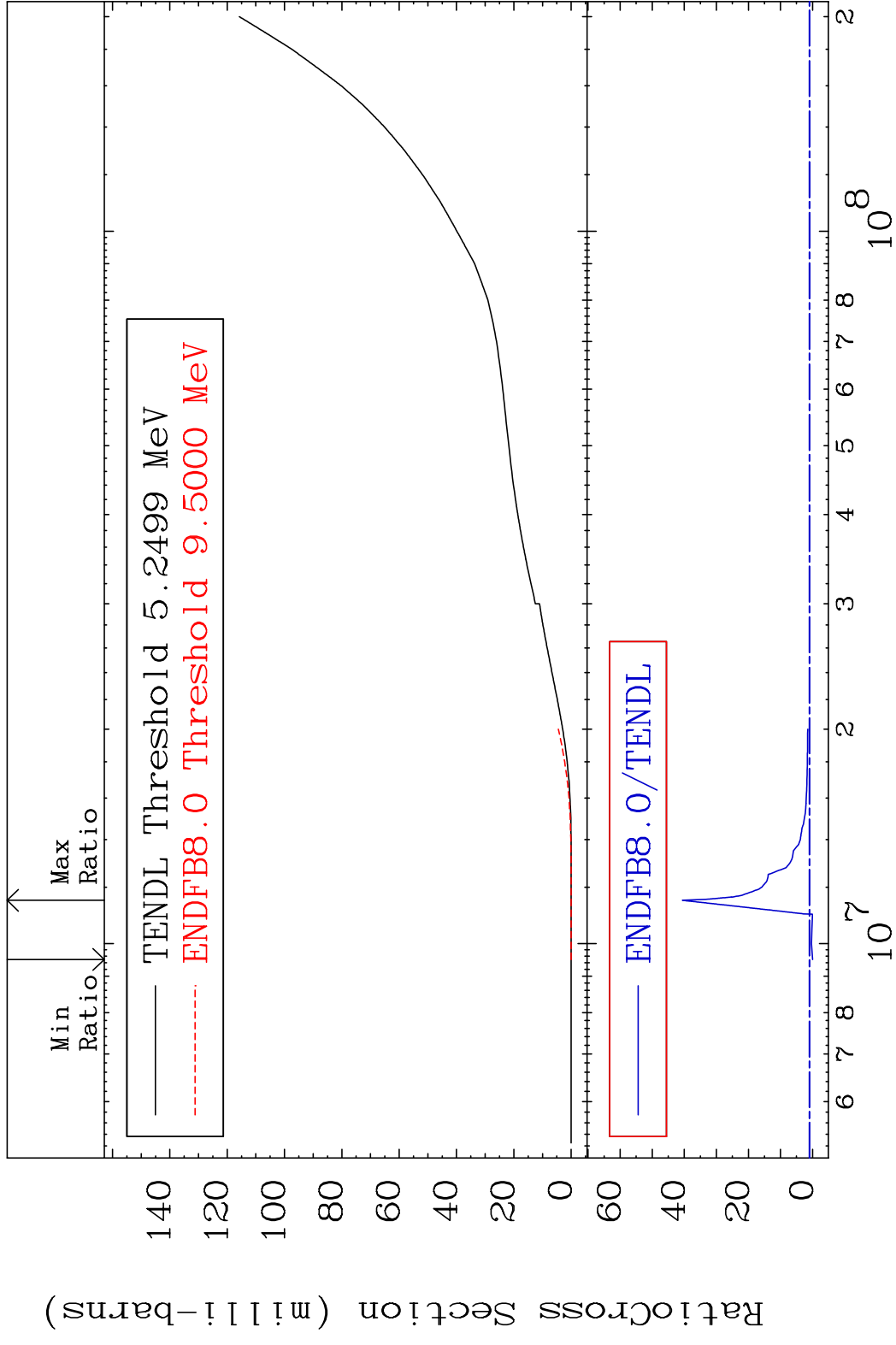


MAT 7040 Deuterium Production 70-Yb-173  
 Cross Section -100.0 To 9999. %





MAT 7040 Tritium Production 70-Yb-173  
 Cross Section -100.0 To 3960. %

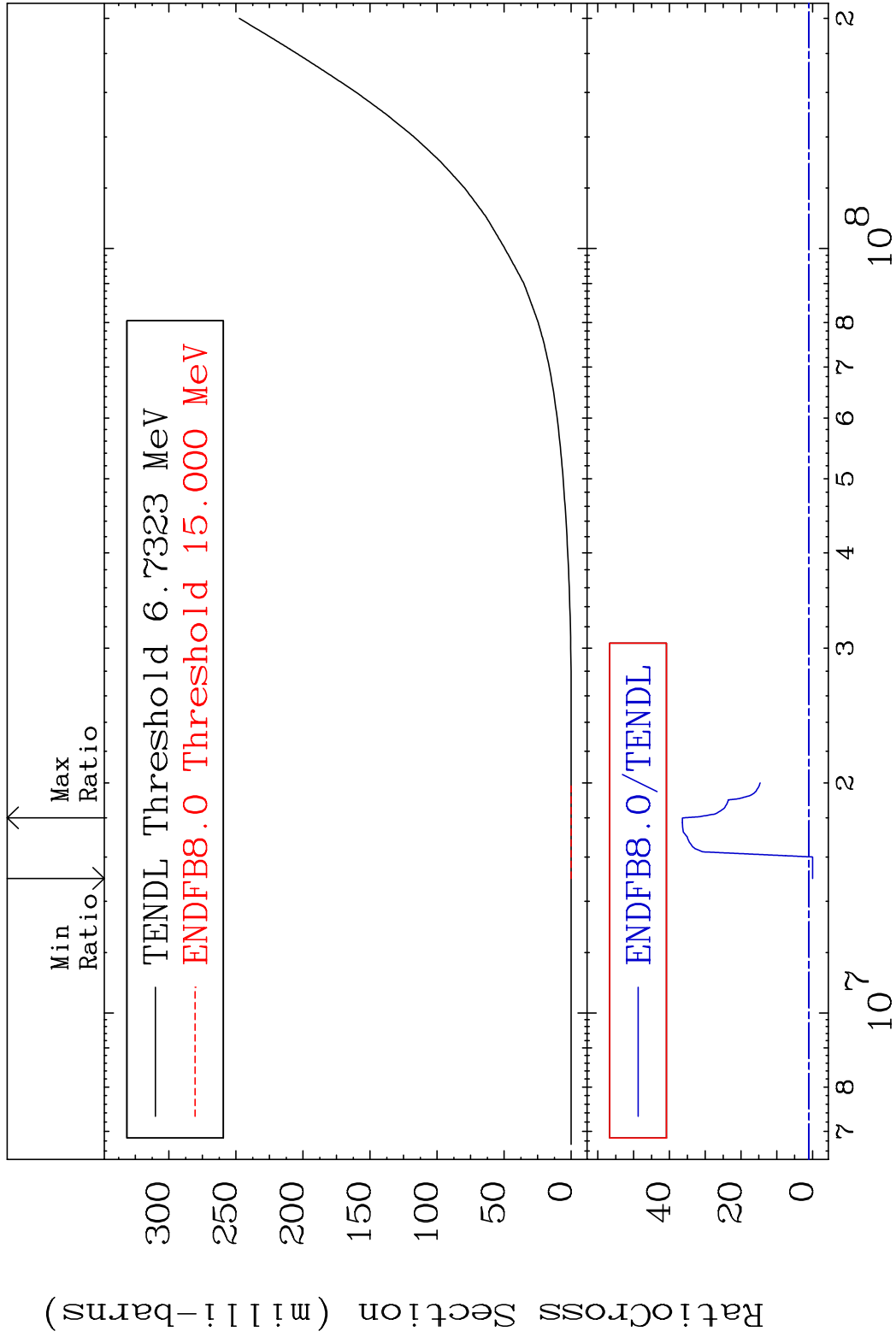


MAT 7040

He-3 Production

70-Yb-173

Cross Section -100.0 To 3539. %



33

Incident Energy (eV)

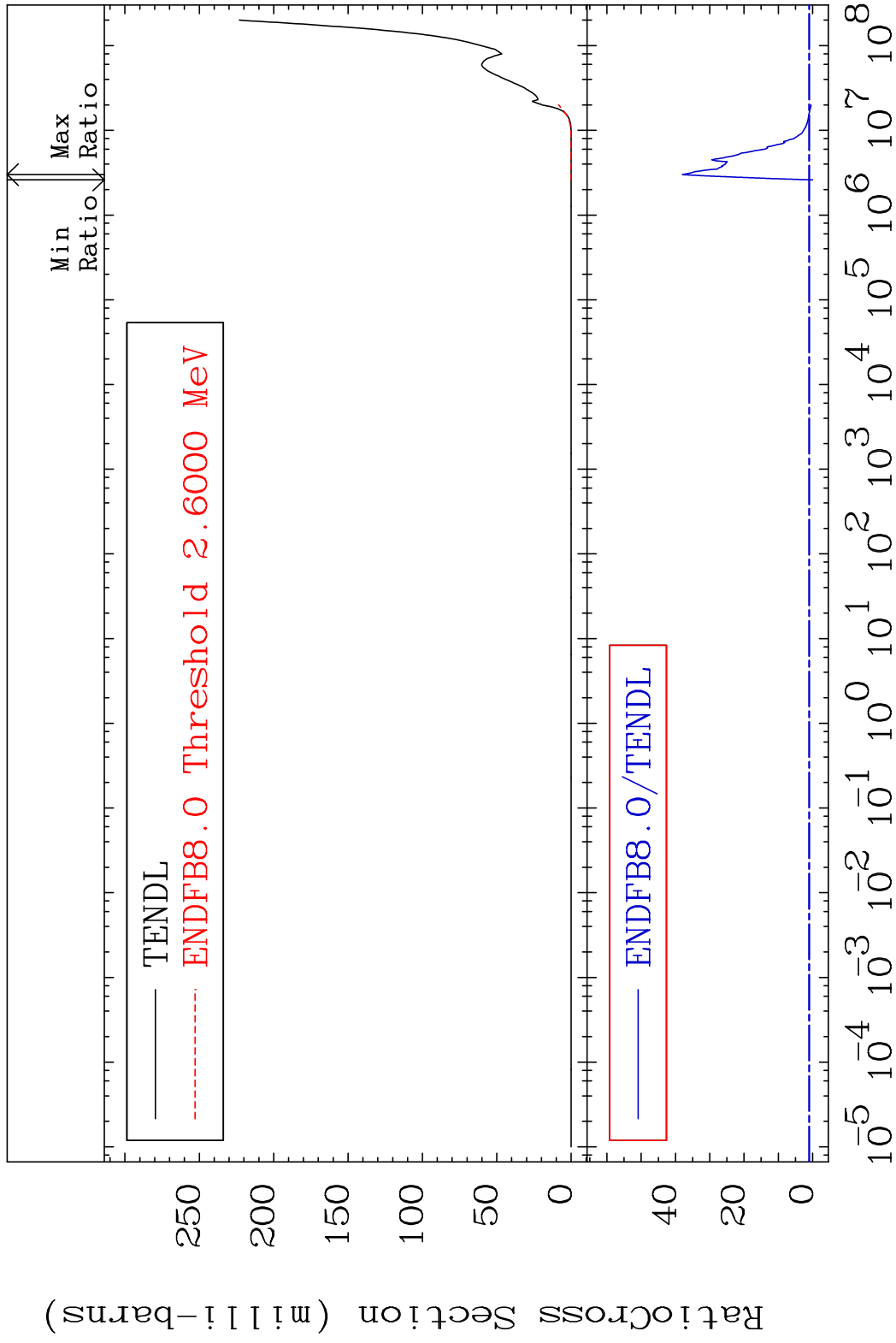
70-Yb-173

MAT 7040

He-4 Production

70-Yb-173

Cross Section -100.0 To 3700. %

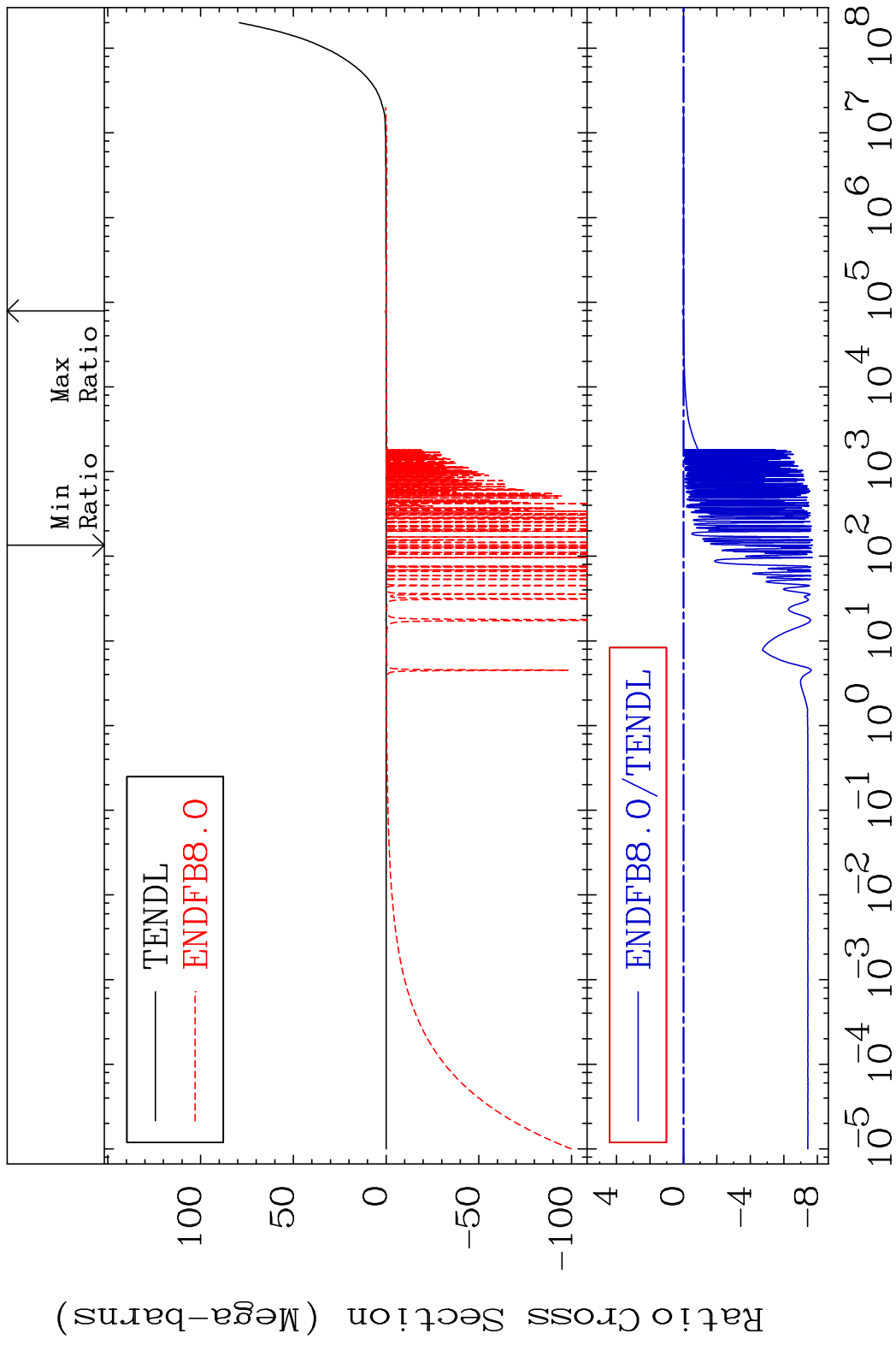


34

Incident Energy (eV)

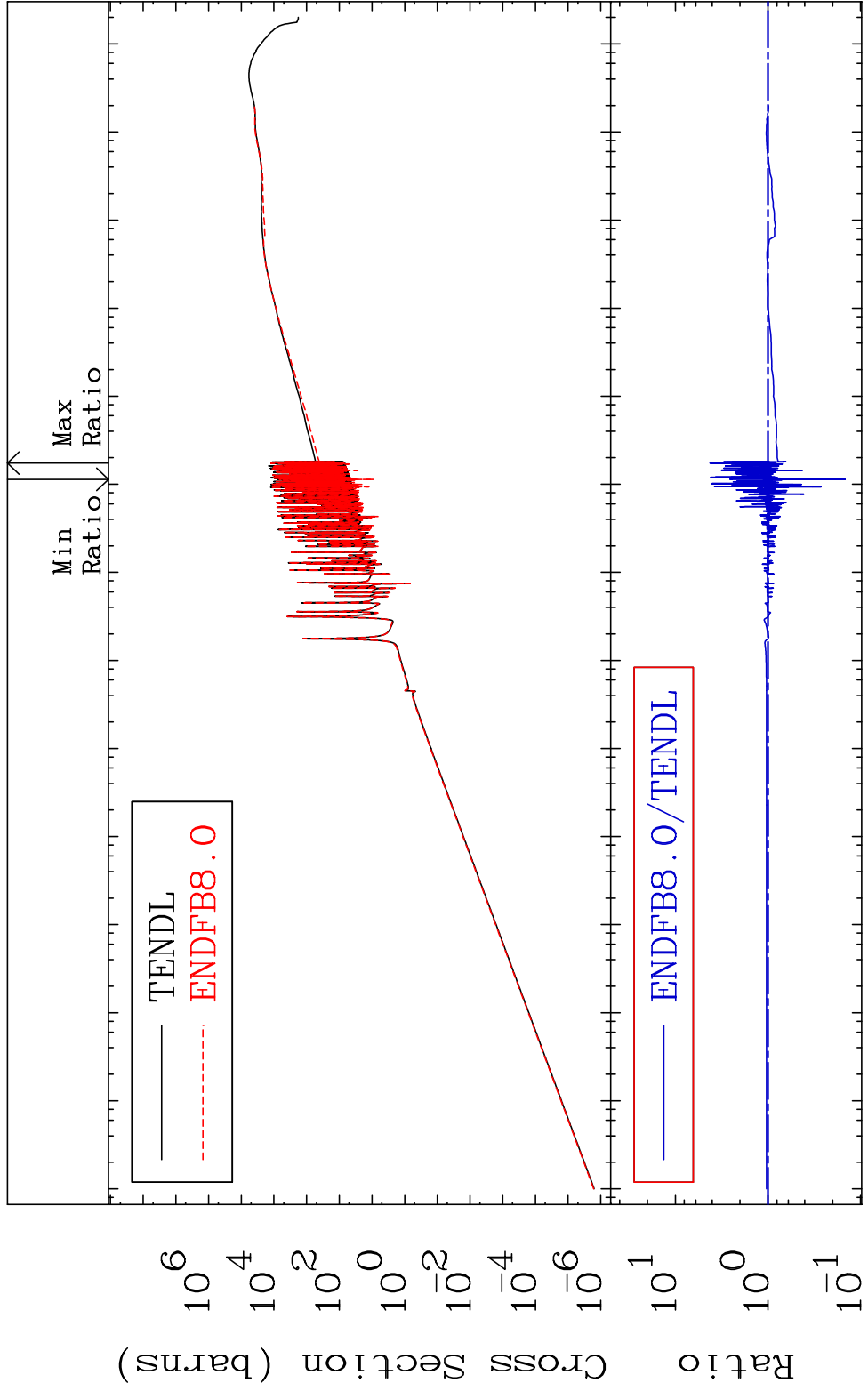
70-Yb-173

MAT 7040 Kerma total (eV-barns) 70-Yb-173  
 Cross Section -9999. To 6357. %

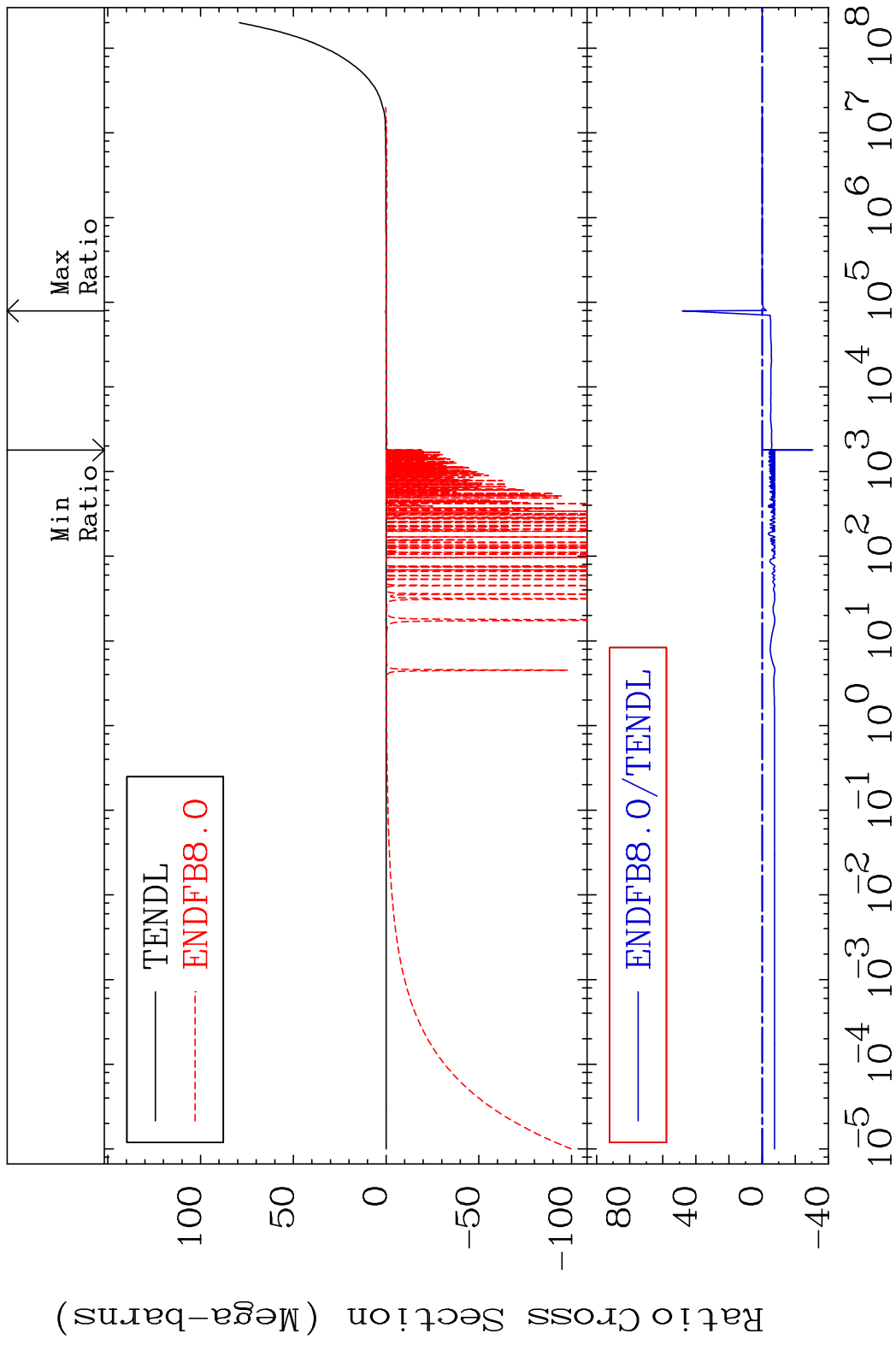


35 70-Yb-173

MAT 7040 Kerma elastic 70-Yb-173  
 Cross Section -85.38 To 324.4 %

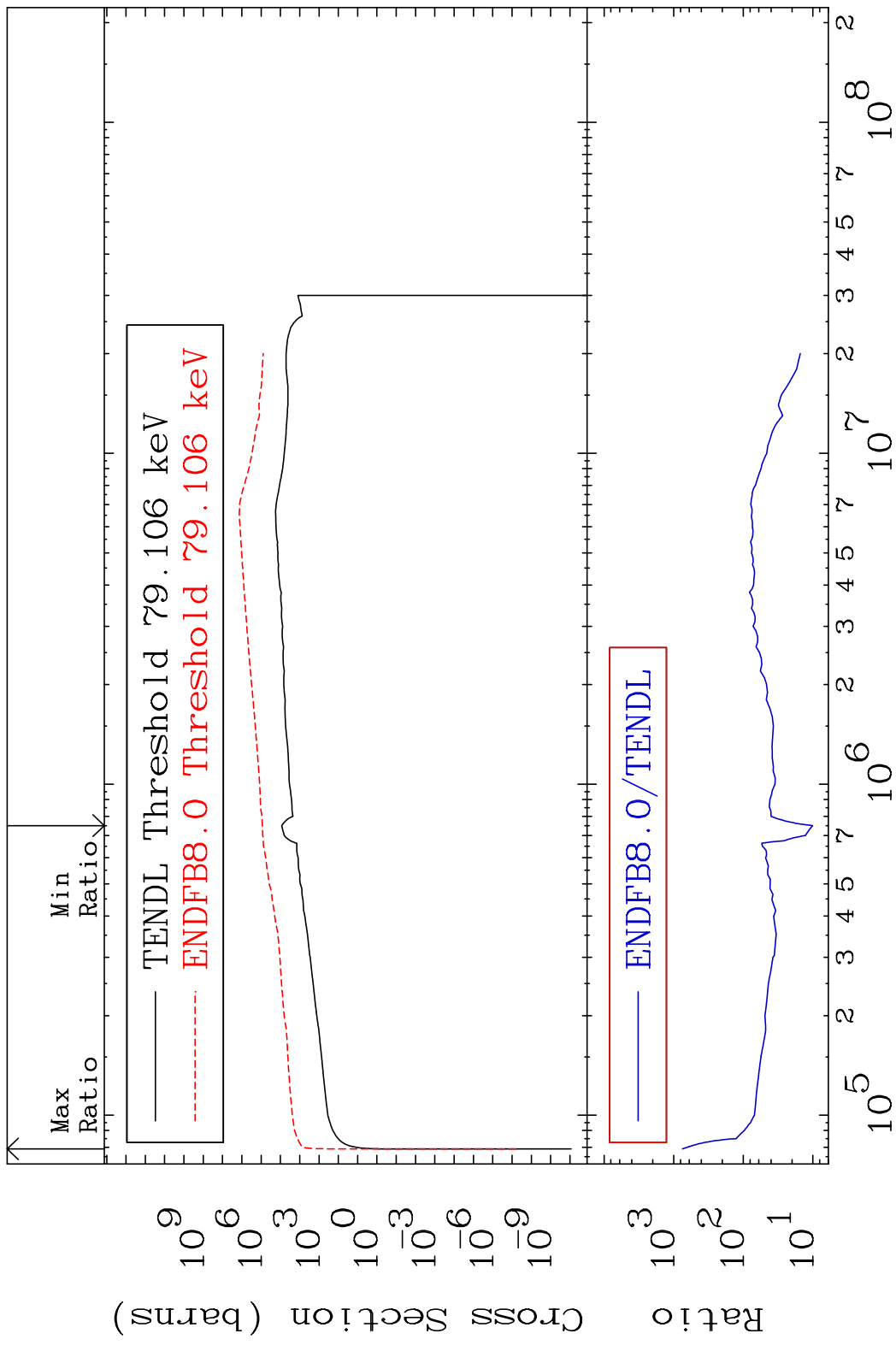


MAT 7040 Kerma non-elastic (all but mt2) 70-Yb-173  
 Cross Section -9999. To 9999. %

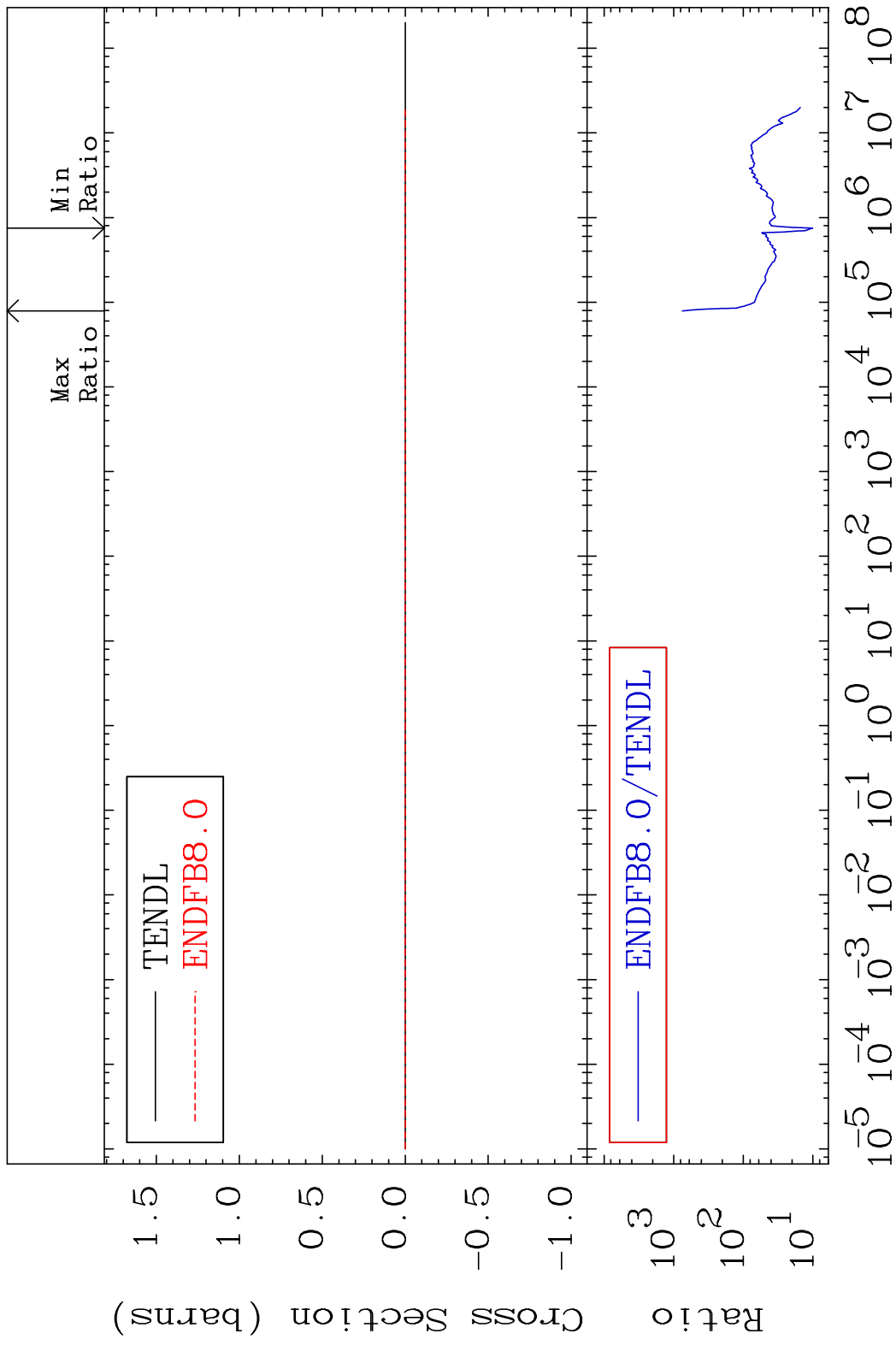


37 Incident Energy (eV) 70-Yb-173

MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173  
 Cross Section 913.0 To 9999. %



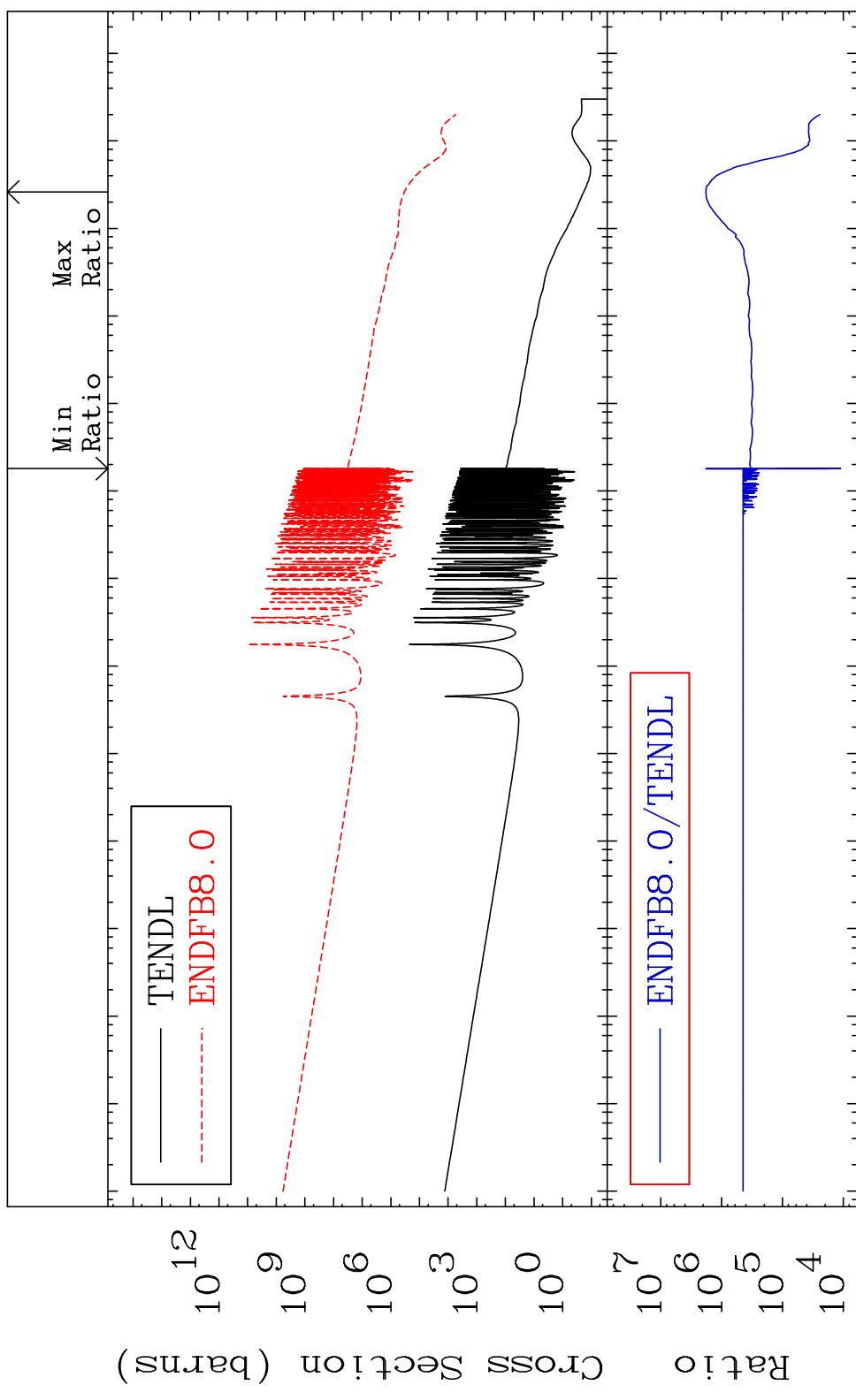
MAT 7040 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-173  
 Cross Section 913.0 To 9999. %





MAT 7040

Kerma capture (mt102) 70-Yb-173  
Cross Section 9999. To 9999. %



40

Incident Energy (eV)

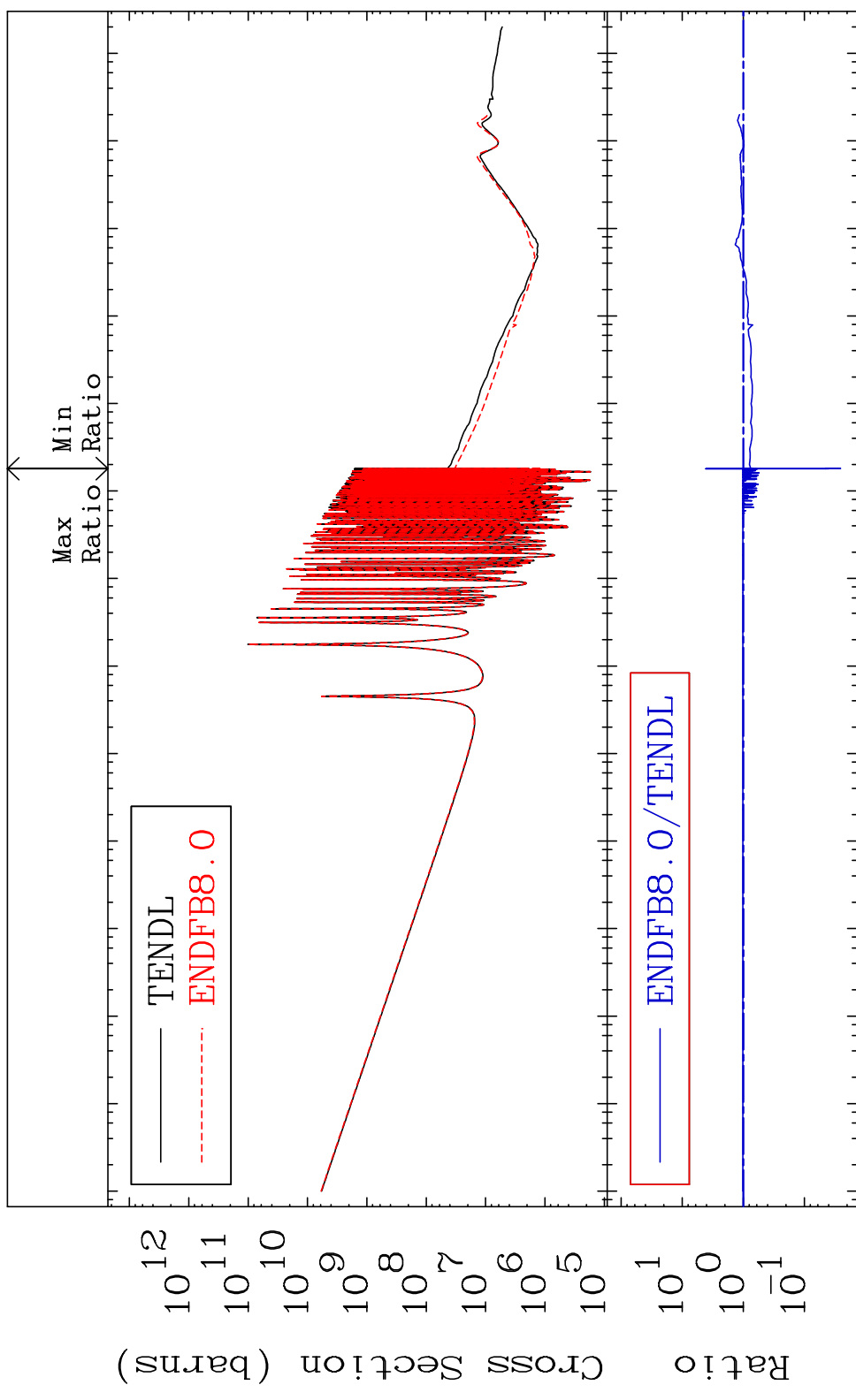
70-Yb-173

MAT 7040

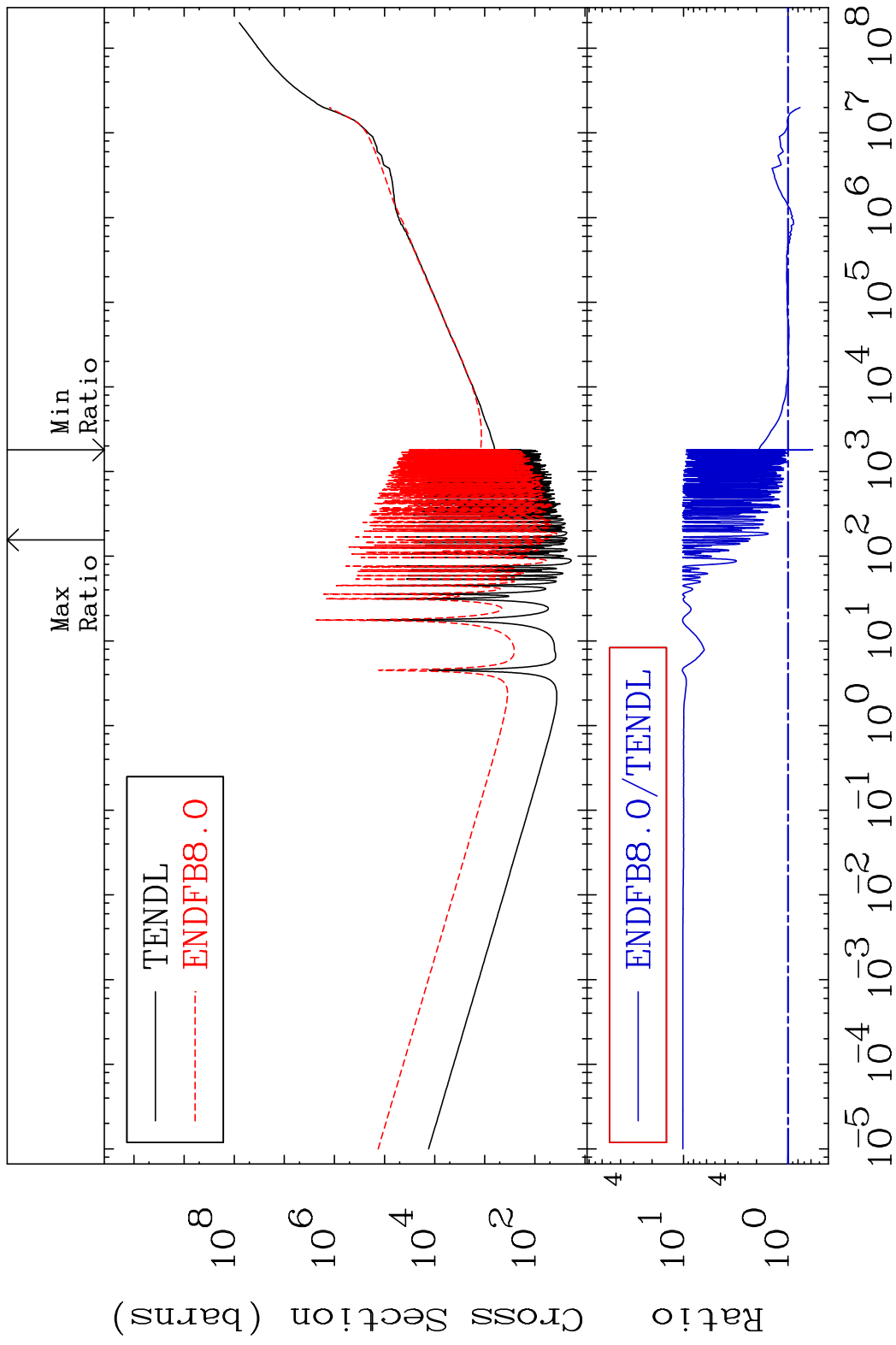
Total photon (eV-barns)

70-Yb-173

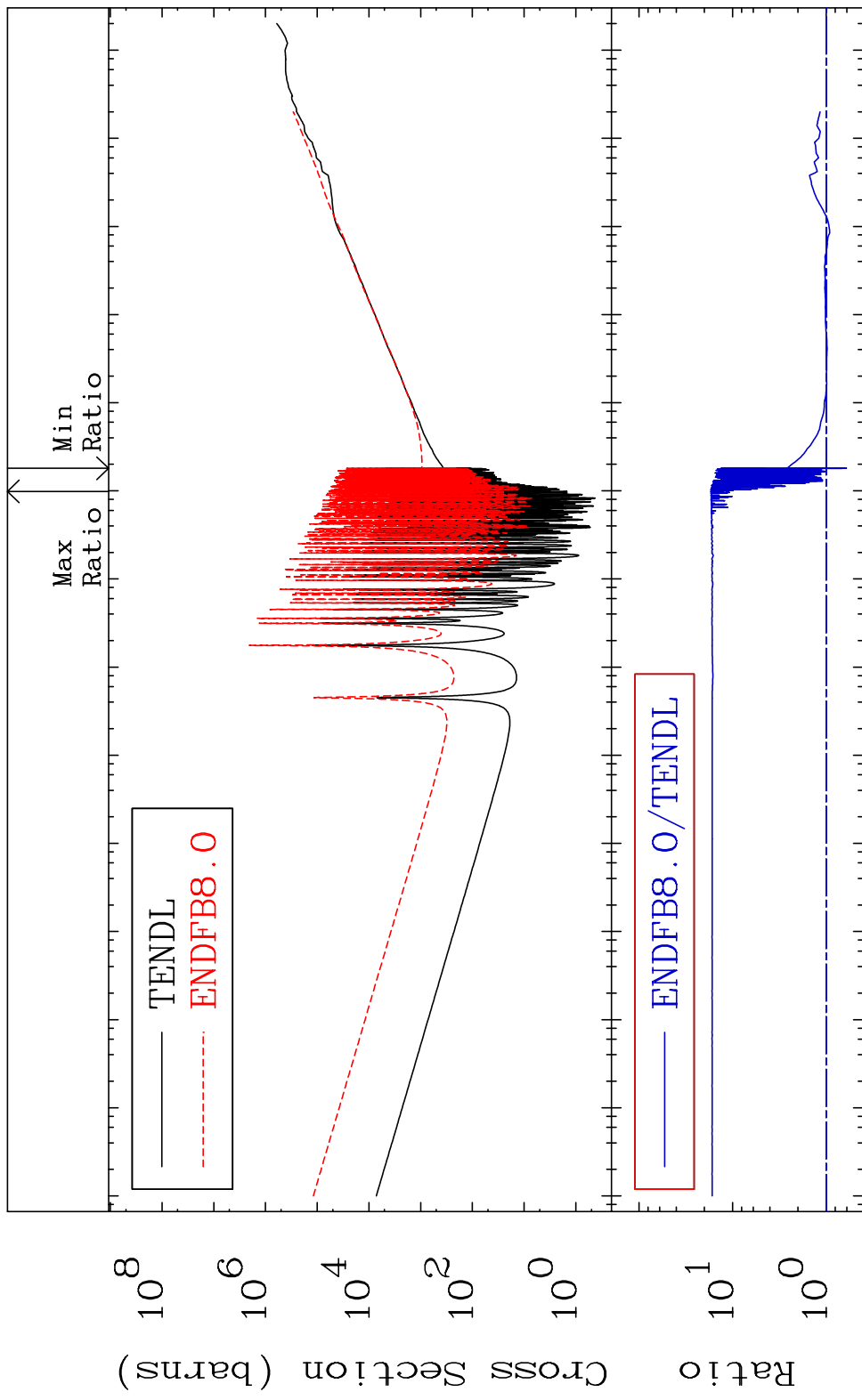
Cross Section -97.44 To 311.5 %



MAT 7040 Total kinematic kerma (high limit) 70-Yb-173  
 Cross Section -41.91 To 924.9 %



MAT 7040      Dpa total (eV-barns)      70-Yb-173  
 Cross Section      -39.12 To 1611. %

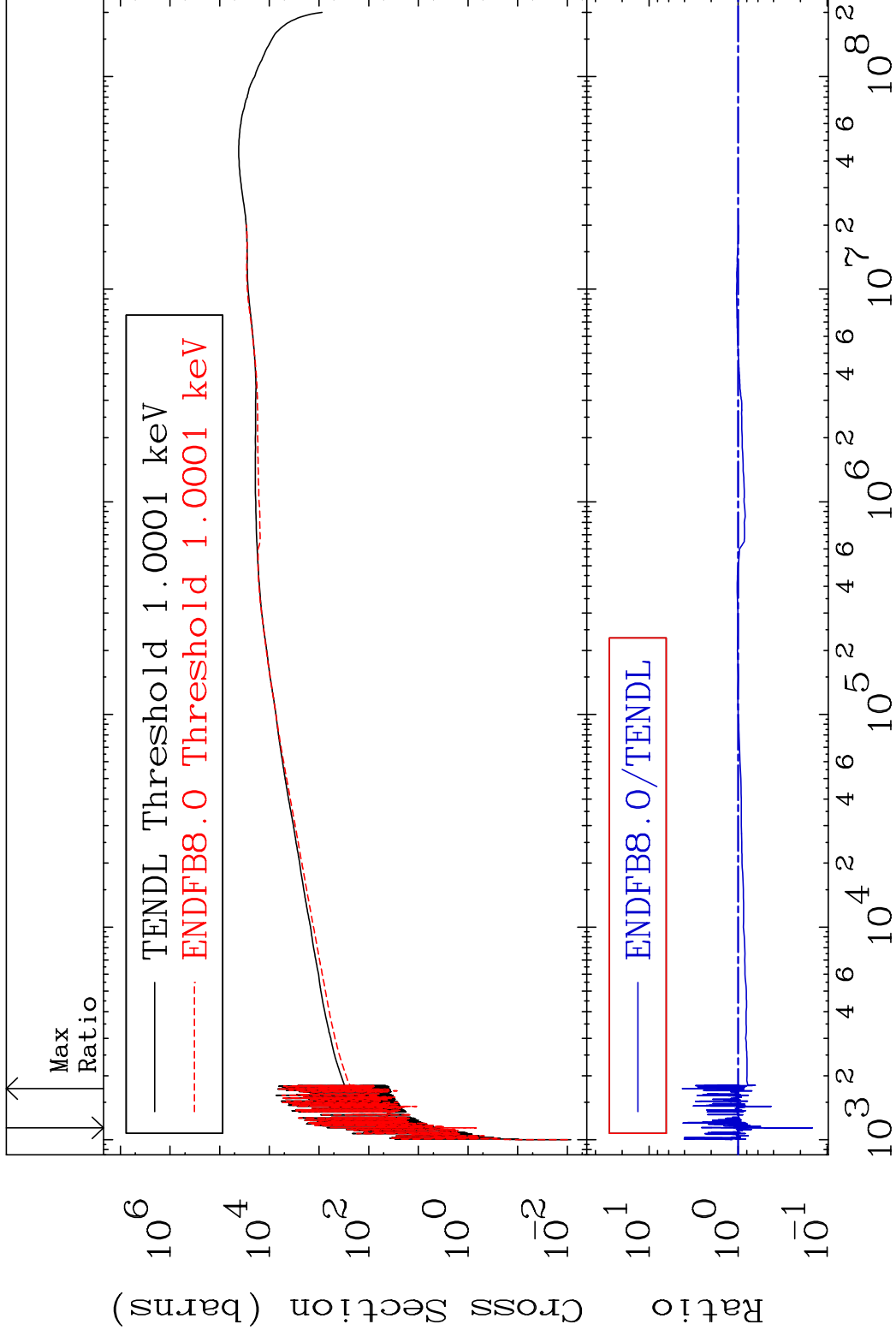


MAT 7040

Dpa elastic (mt2)

70-Yb-173

Cross Section -85.37 To 324.6 %

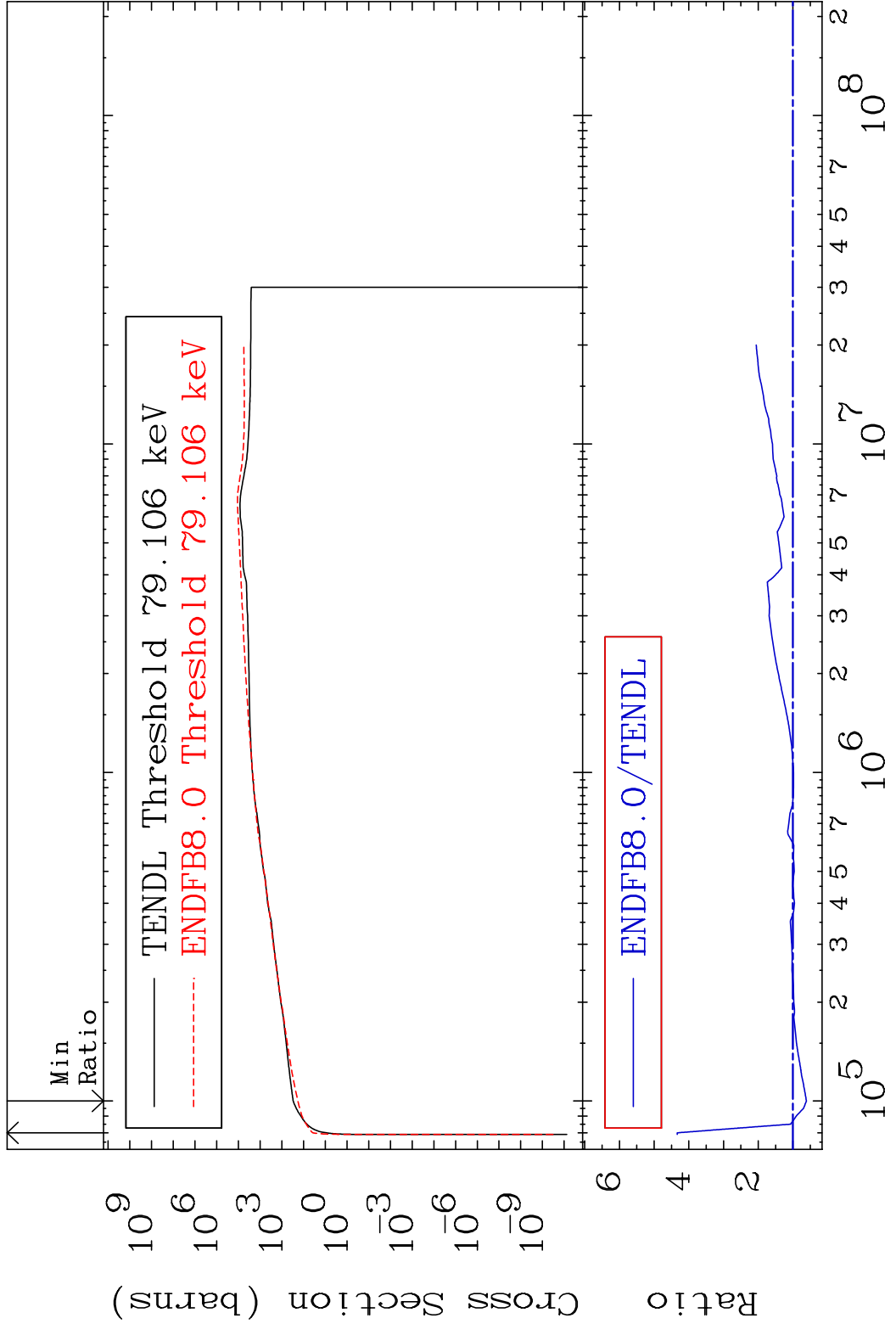


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Incident Energy (eV)

70-Yb-173

MAT 7040      Dpa inelastic (mt51-91)      70-Yb-173  
 Cross Section      -38.87 To 333.5 %



45      Incident Energy (eV)      70-Yb-173

MAT 7040 Dpa disappearance (mt102 -120) 70-Yb-173  
 Cross Section -55.92 To 9999. %

