

Program Complot  
(Version 2021-1)

by

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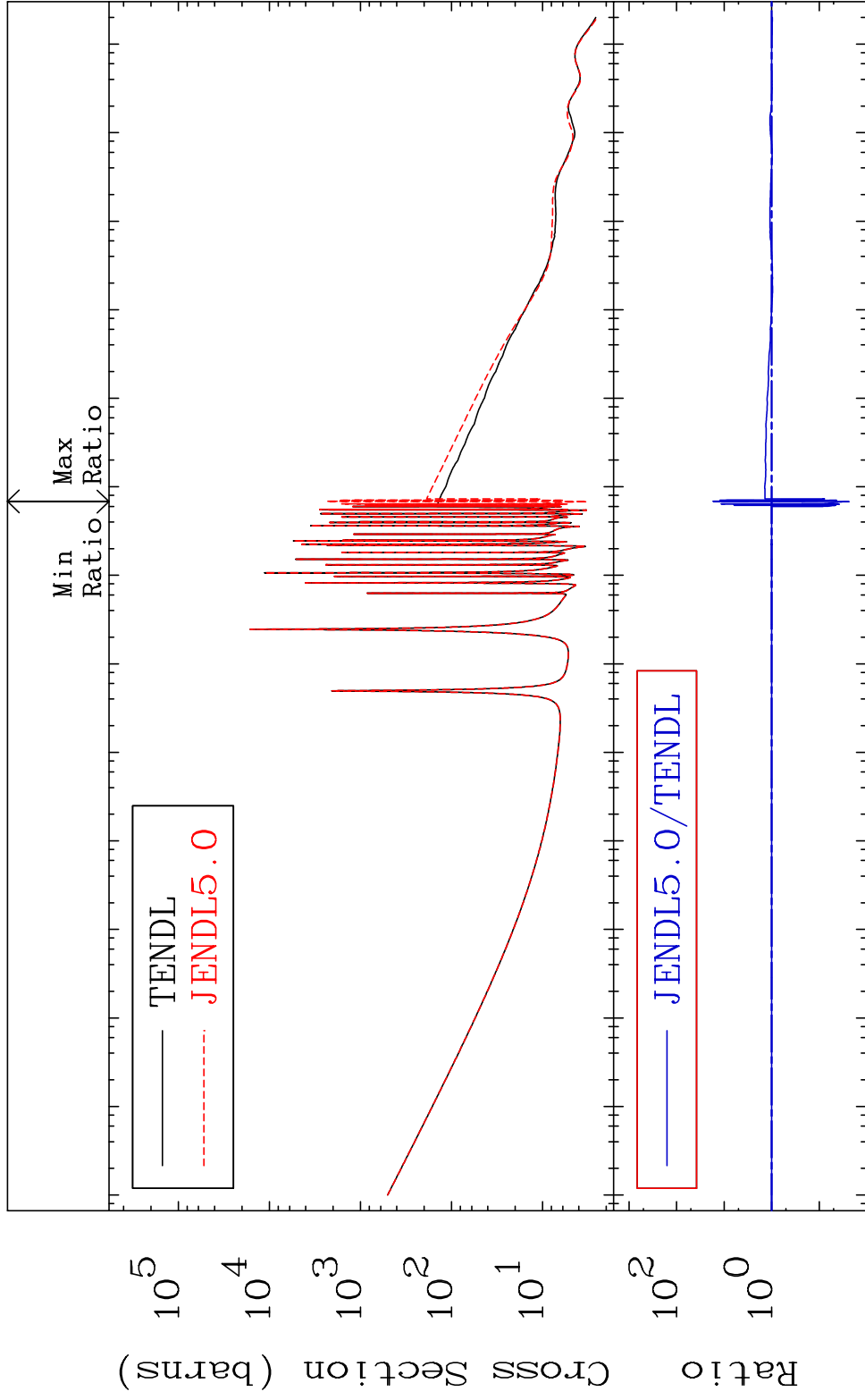
Press Mouse Button to Start

MAT 6931

Total

69-Tm-171

Cross Section -97.67 To 1599. %



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>

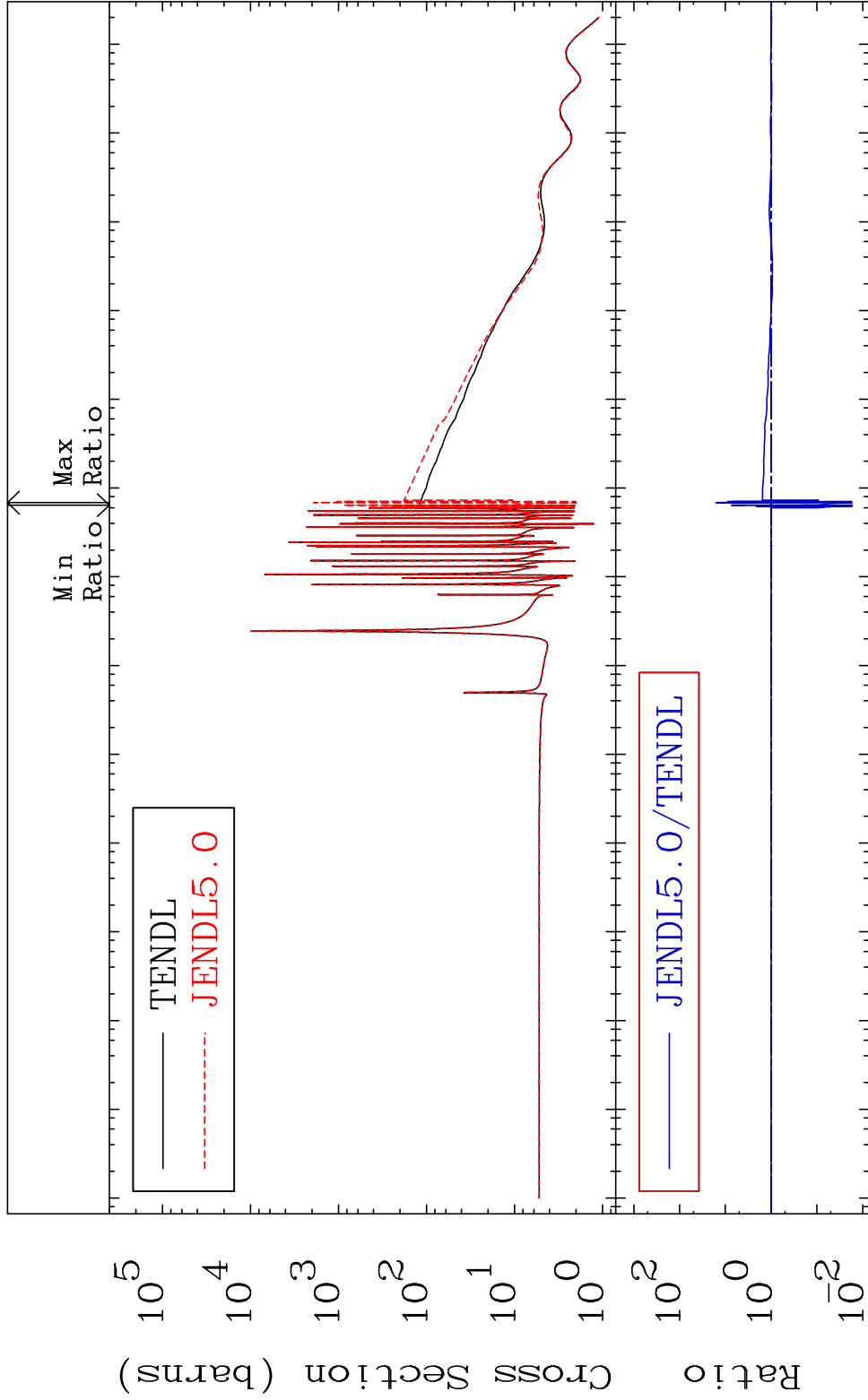
1 Incident Energy (eV) 69-Tm-171

MAT 6931

Elastic

69-Tm-171

Cross Section -98.30 To 1531. %

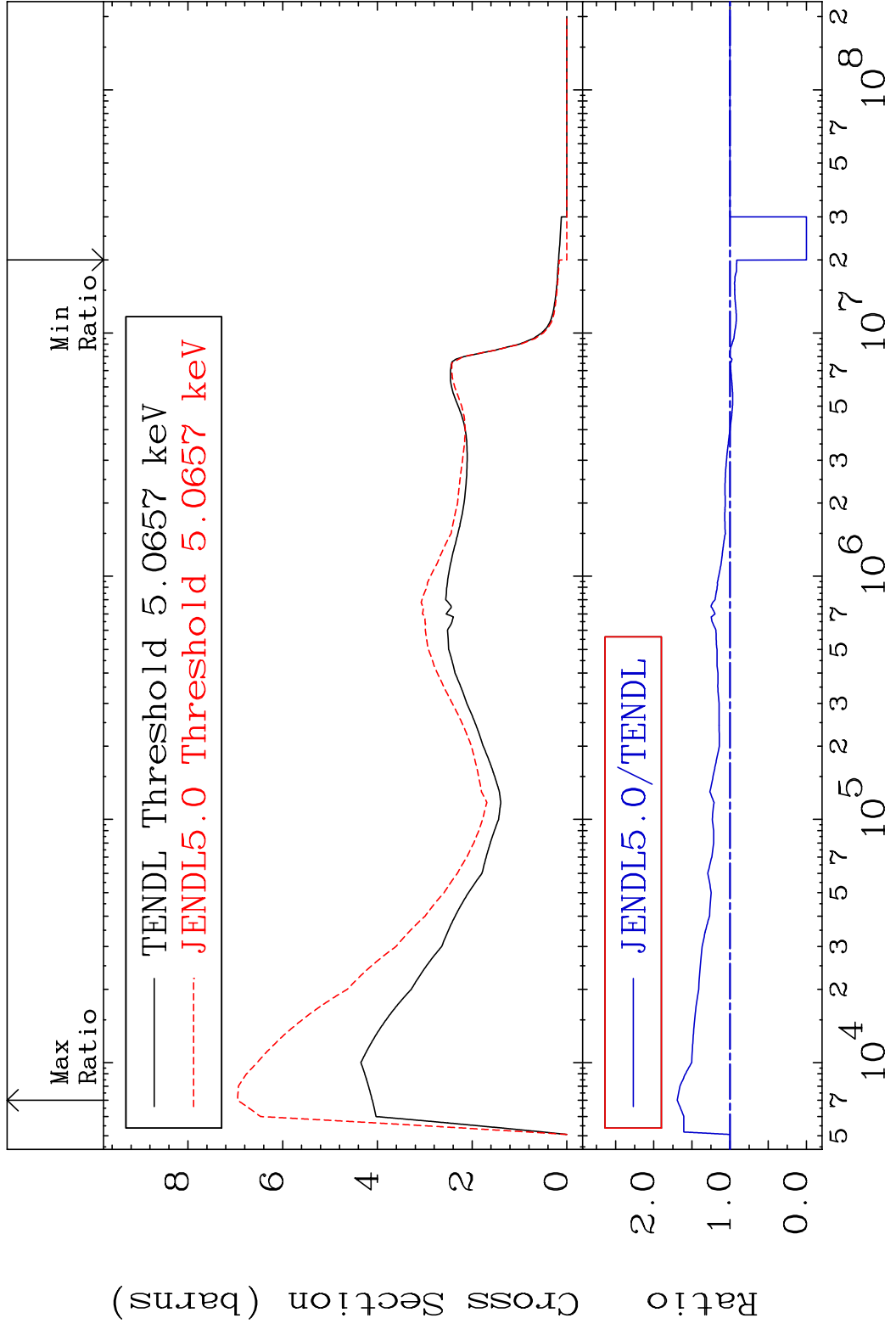


2

Incident Energy (eV)

69-Tm-171

MAT 6931 Inelastic Cross Section 69-Tm-171  
 -100.0 To 69.27 %



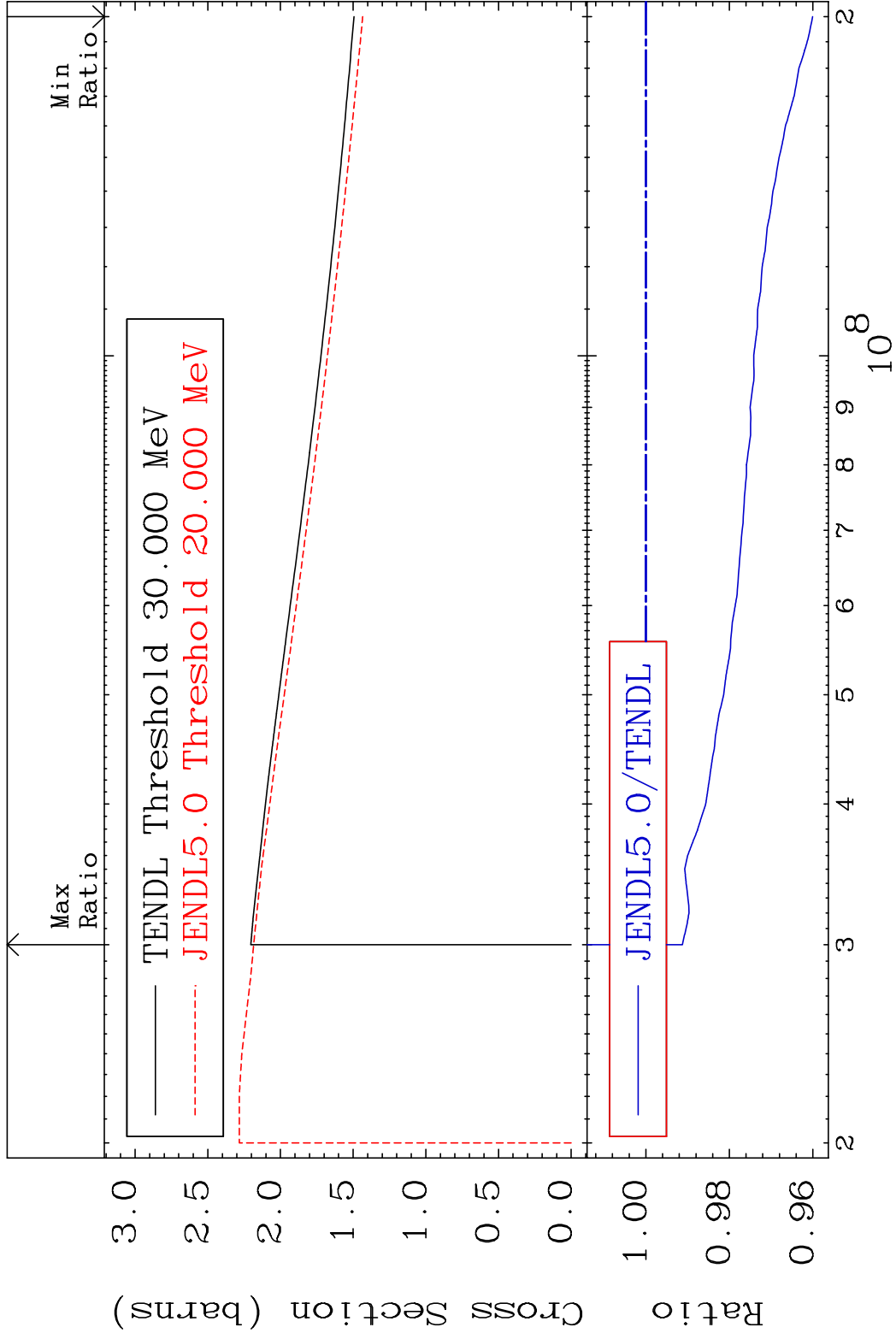
3 Incident Energy (eV) 69-Tm-171

MAT 6931

(n, remainder)

69-Tm-171

Cross Section -3.993 To -0.874%



4

Incident Energy (eV)

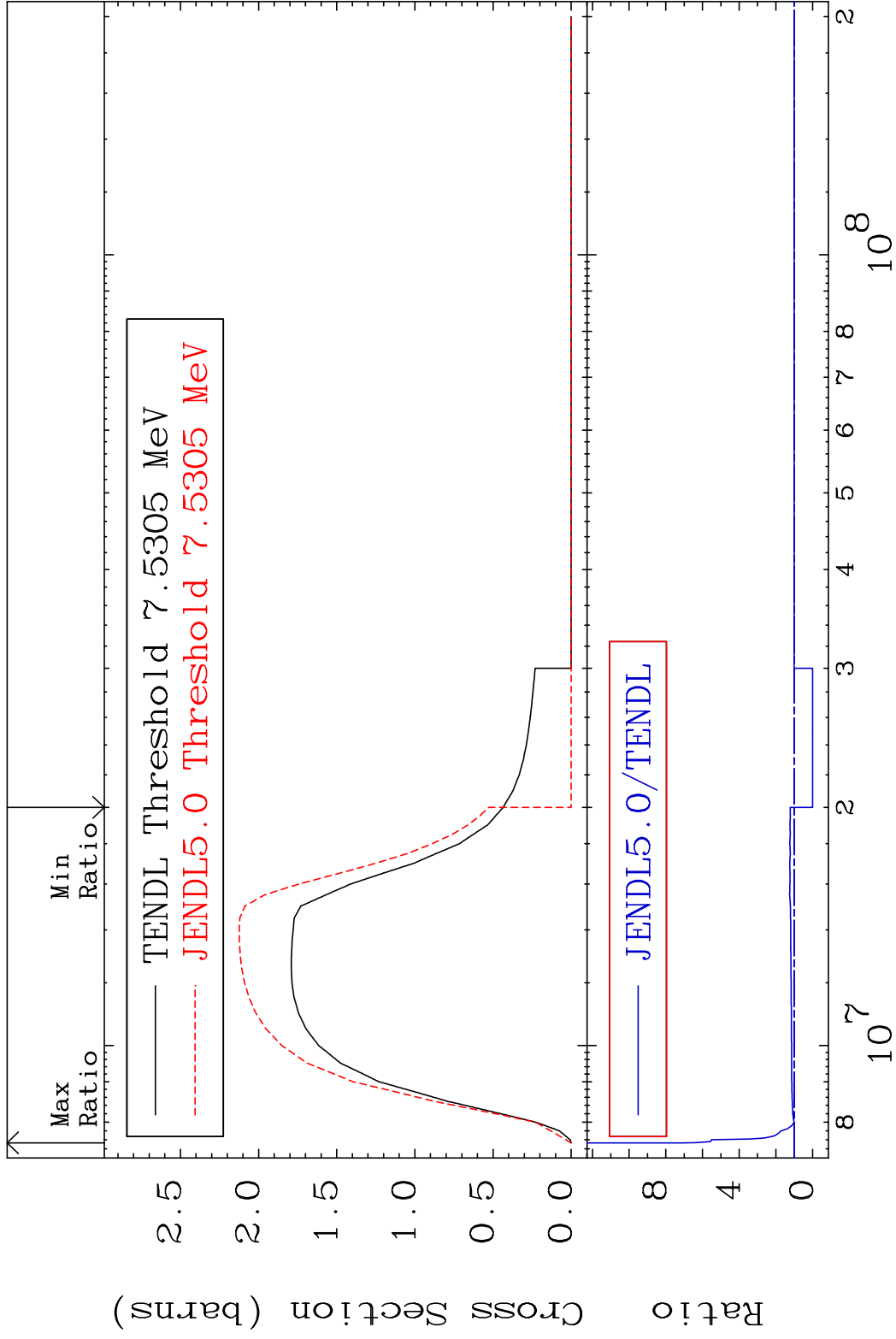
69-Tm-171

MAT 6931

(n,2n)

69-Tm-171

Cross Section -100.0 To 609.8 %



5

Incident Energy (eV)

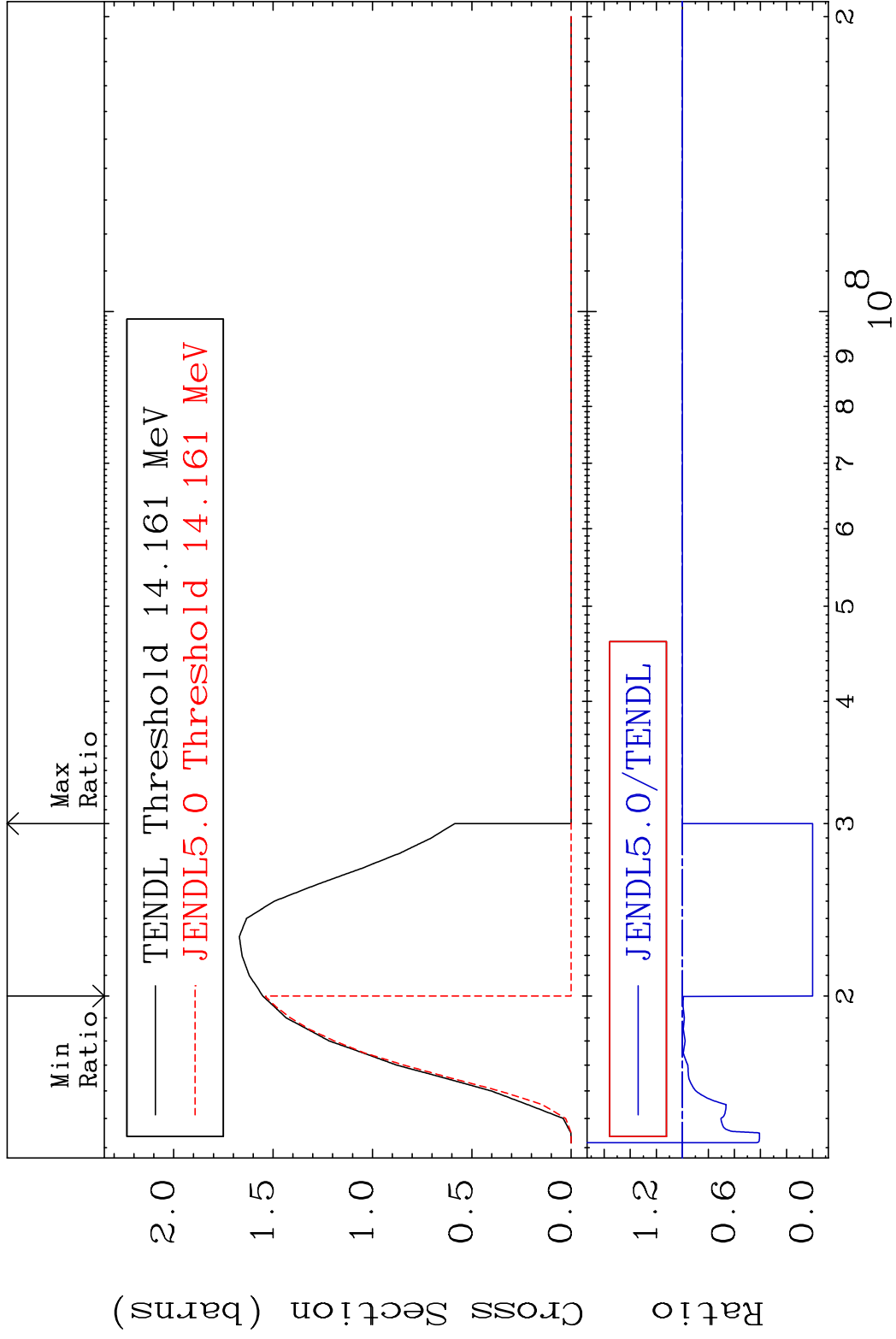
69-Tm-171

MAT 6931

(n,3n)

69-Tm-171

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

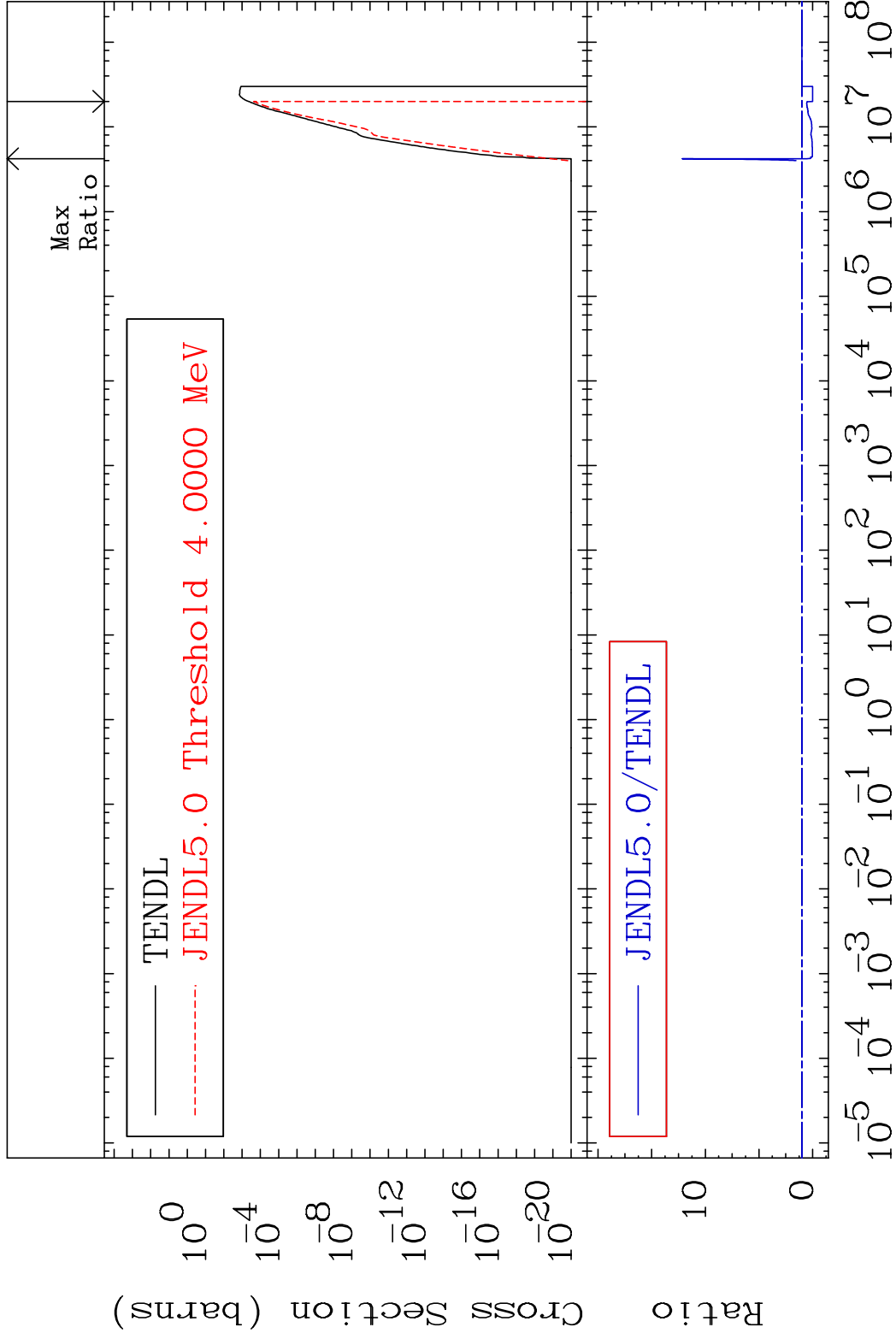
69-Tm-171

MAT 6931

(n, n')  $\alpha$

69-Tm-171

Cross Section -100.0 To 1114. %



7

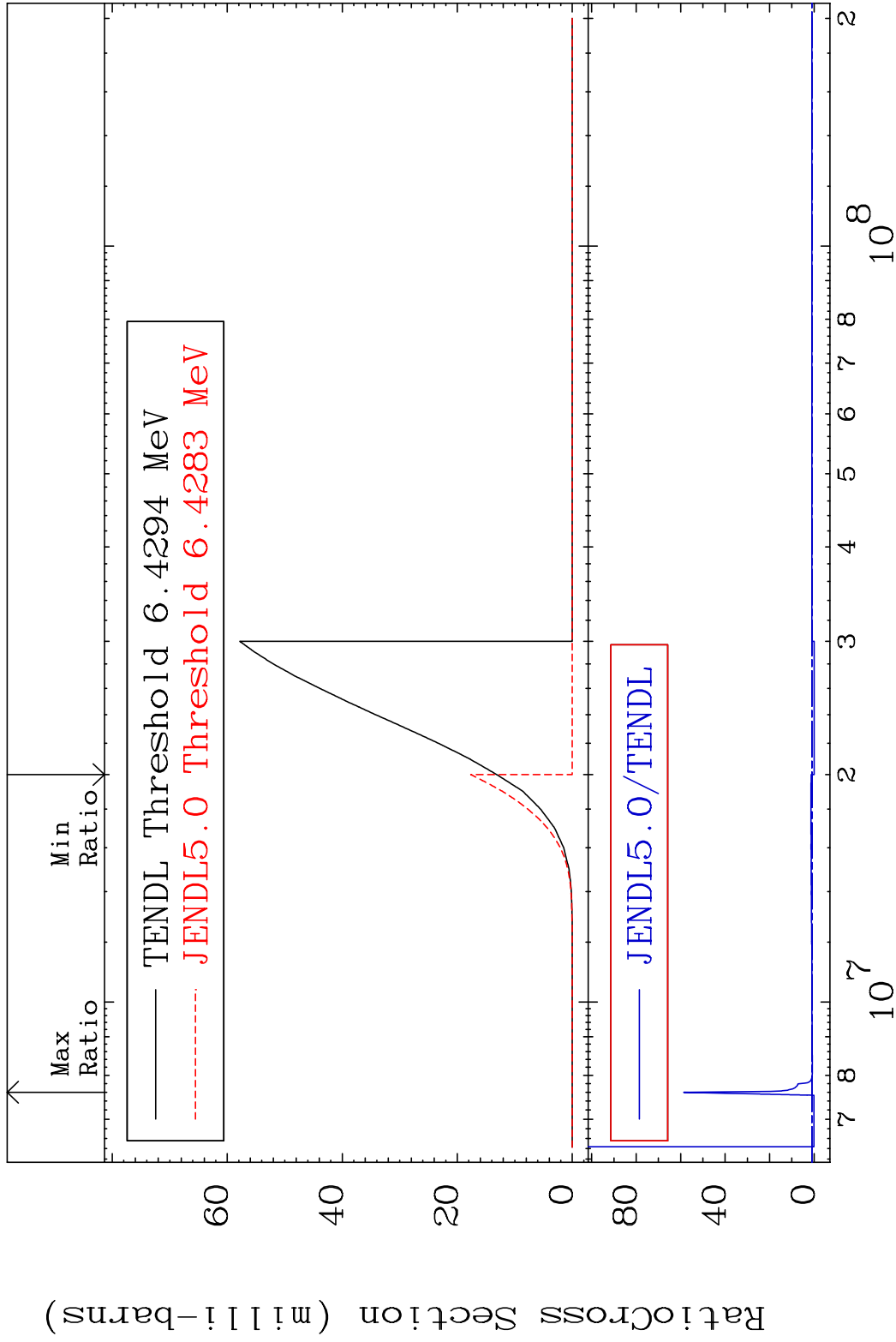
Incident Energy (eV)

69-Tm-171

MAT 6931

(n, n') p 69-Tm-171

Cross Section -100.0 To 5764. %



8

Incident Energy (eV)

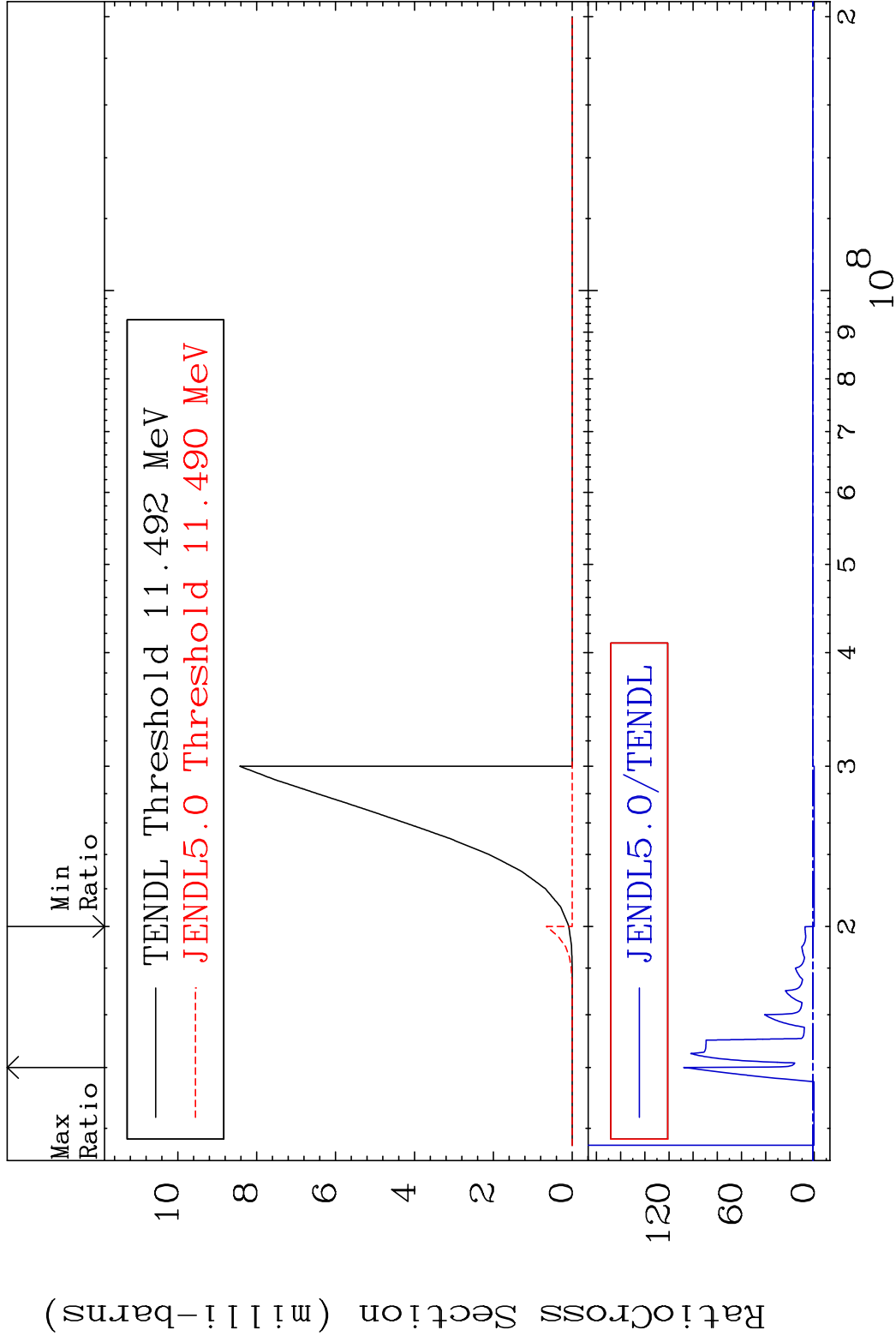
69-Tm-171

MAT 6931

(n, n') d

69-Tm-171

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

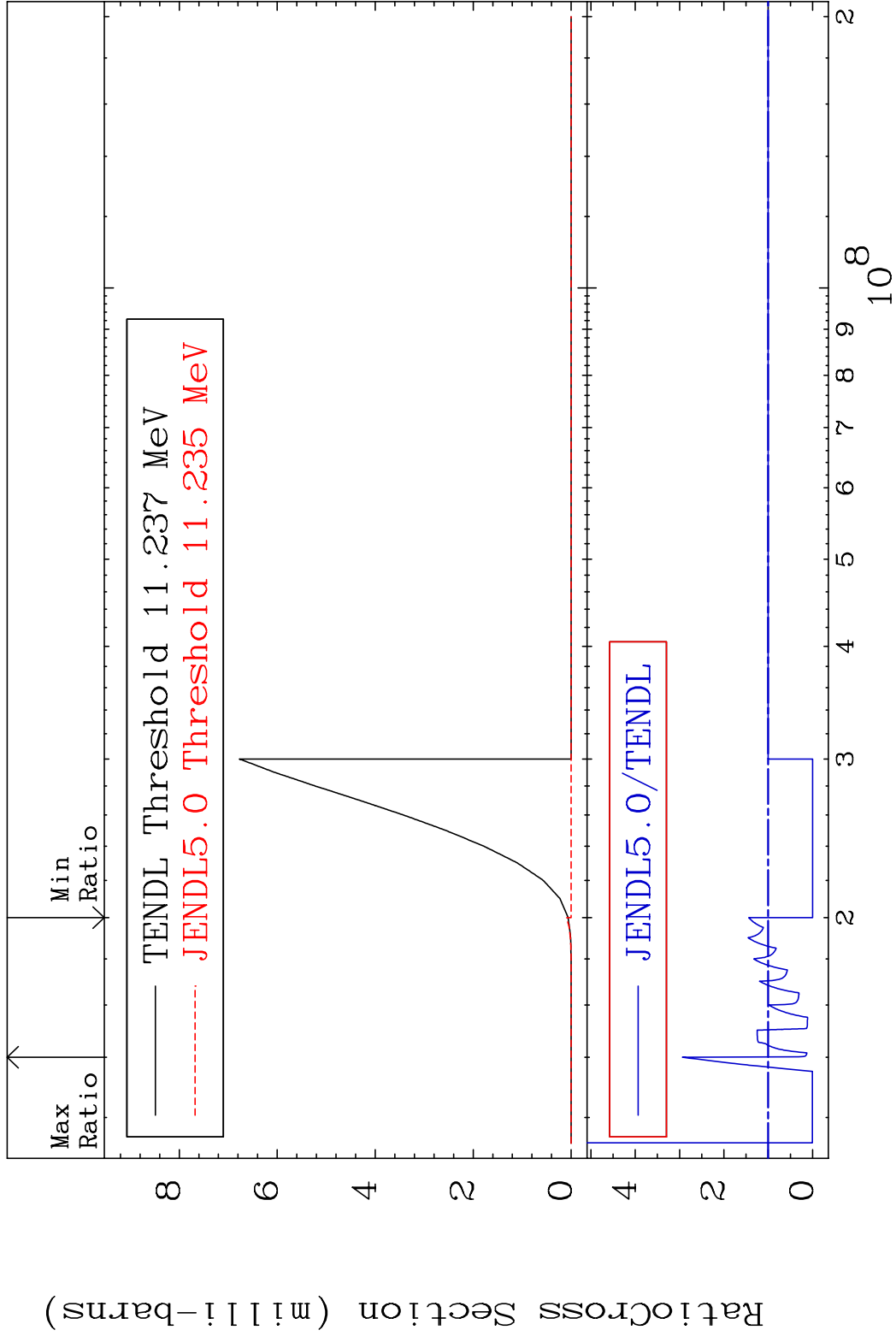
69-Tm-171

MAT 6931

(n, n') t

69-Tm-171

Cross Section -100.0 To 193.7 %



10

Incident Energy (eV)

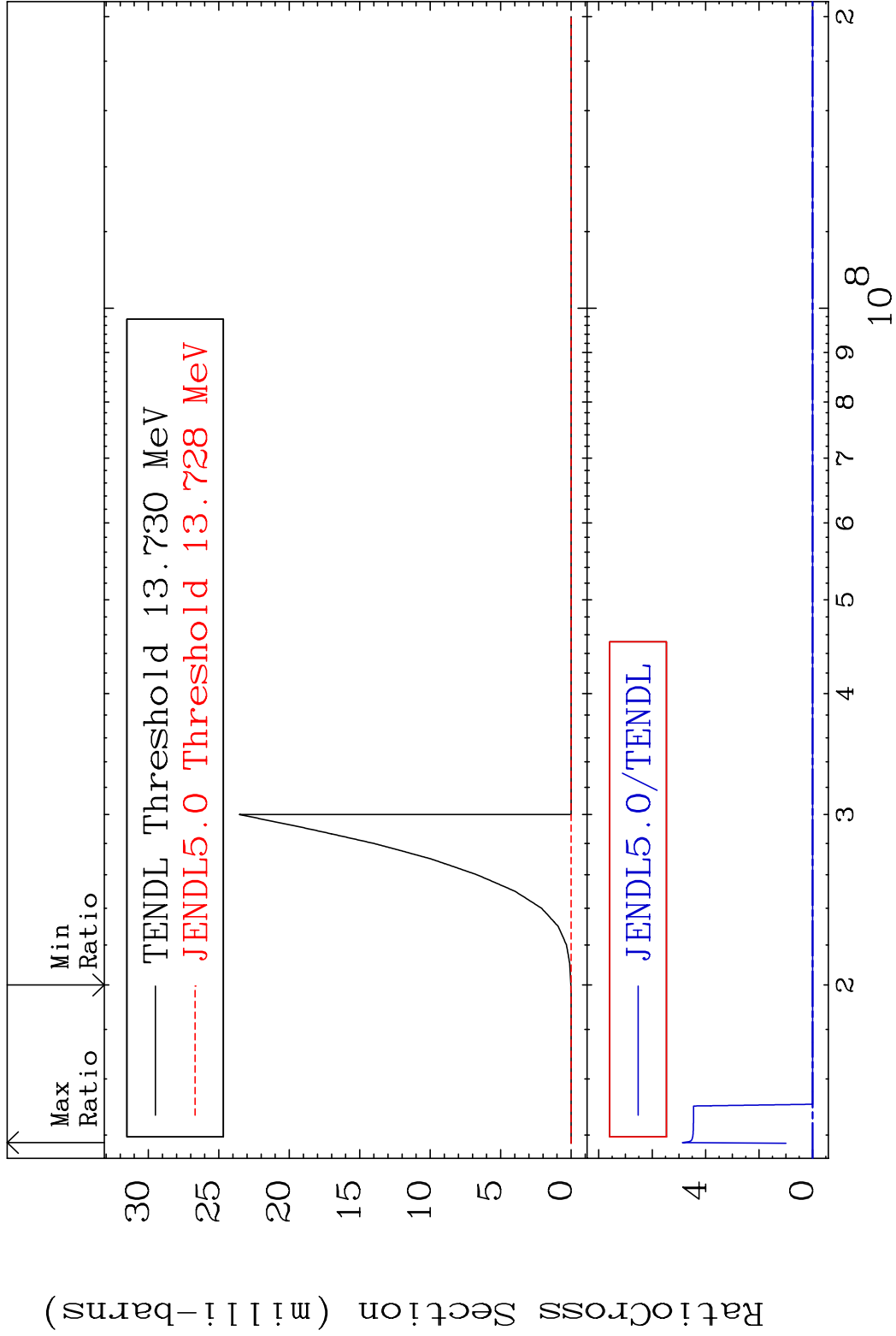
69-Tm-171

MAT 6931

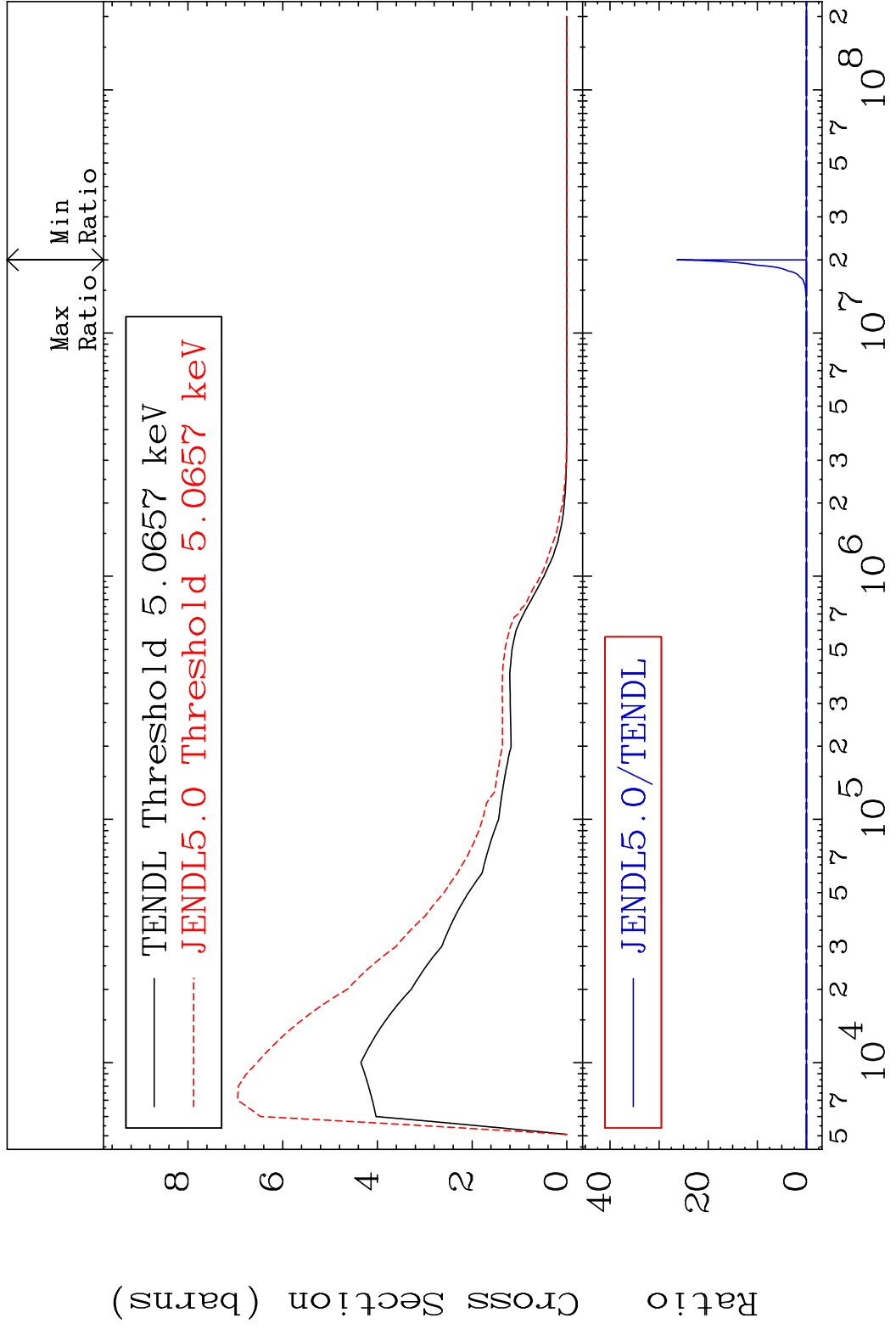
(n,2n) p

69-Tm-171

Cross Section -100.0 To 9999. %

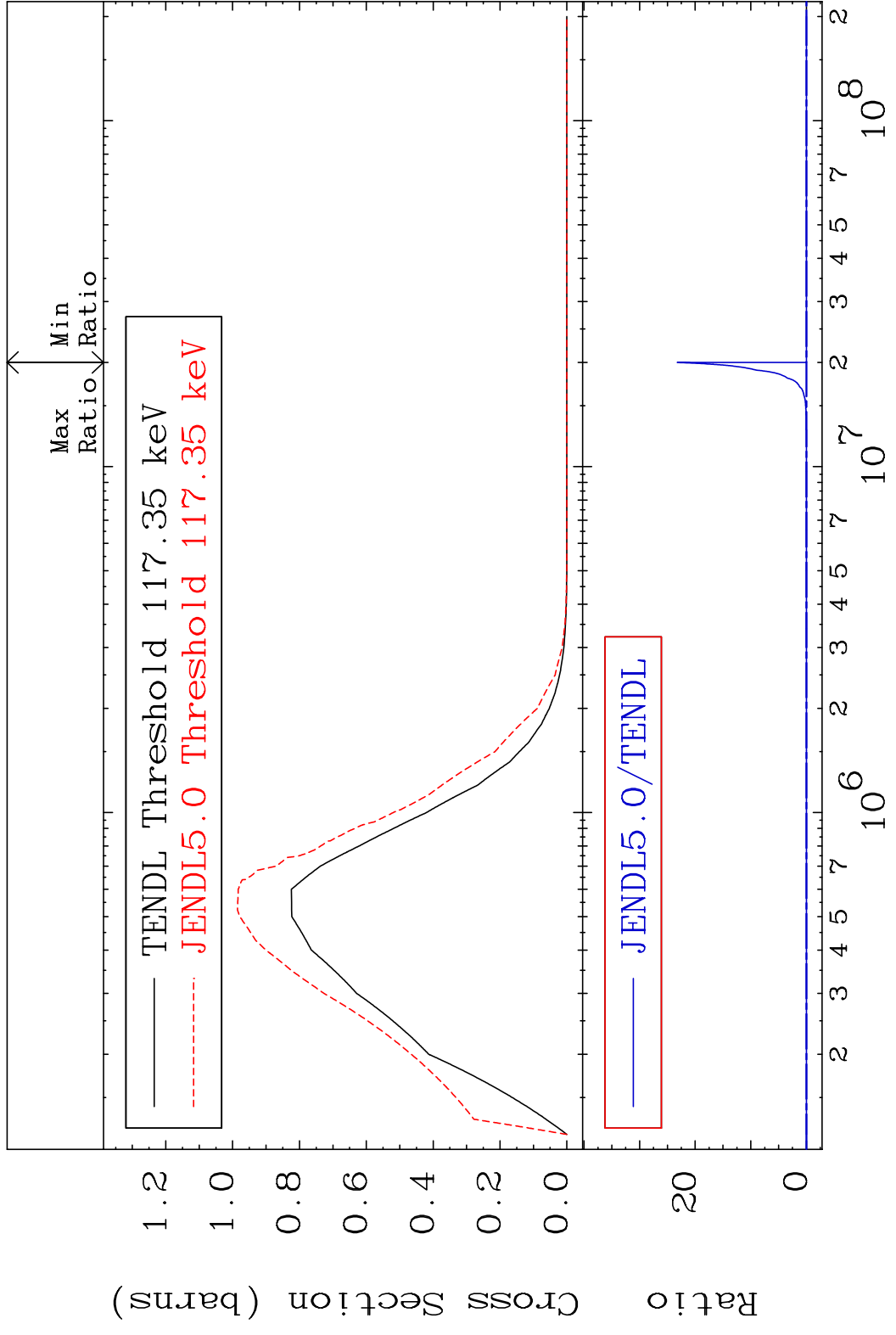


MAT 6931 MT= 51 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %

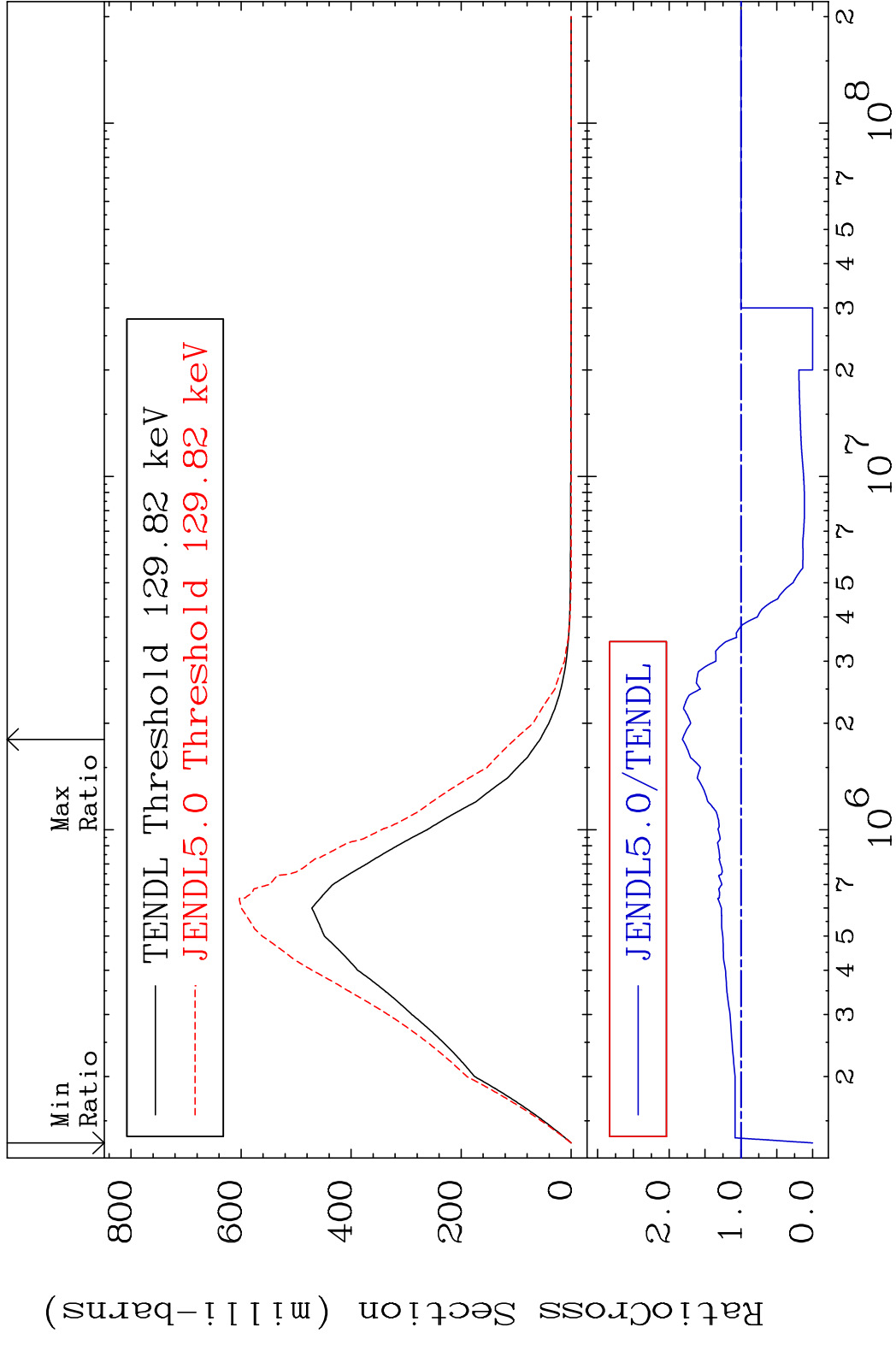


12 Incident Energy (eV) 69-Tm-171

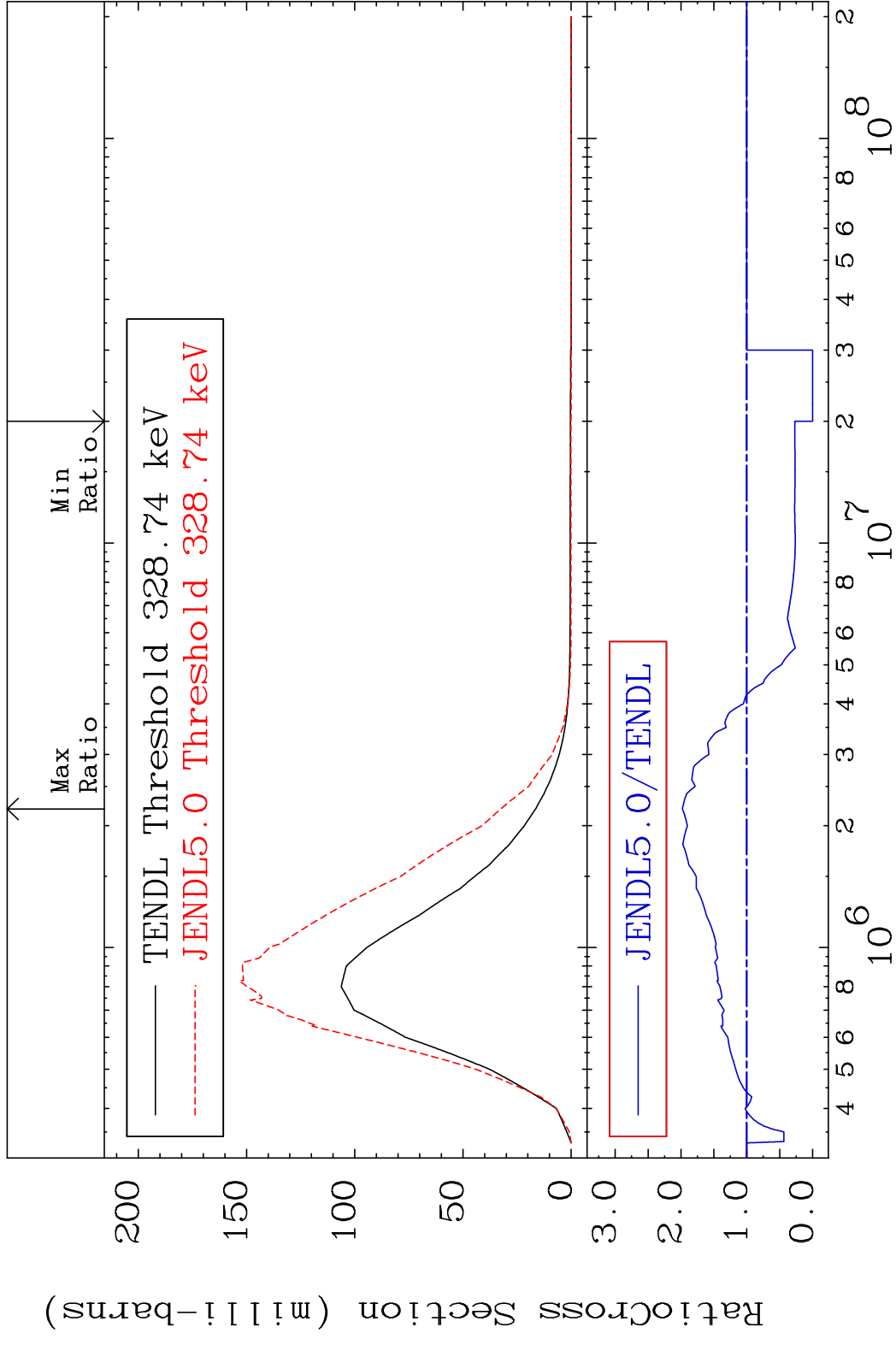
MAT 6931 MT= 52 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %



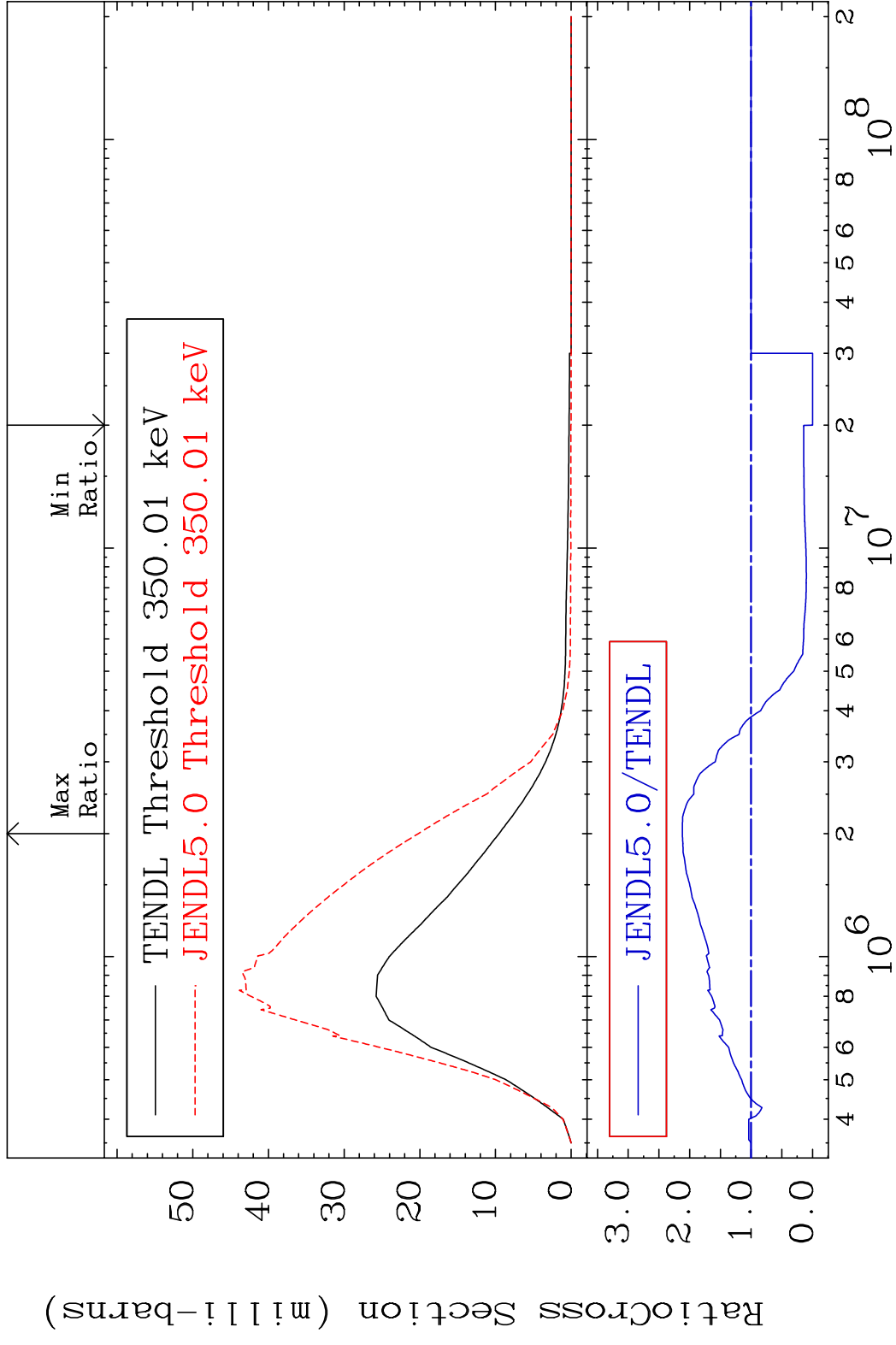
MAT 6931 MT= 53 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 81.69 %



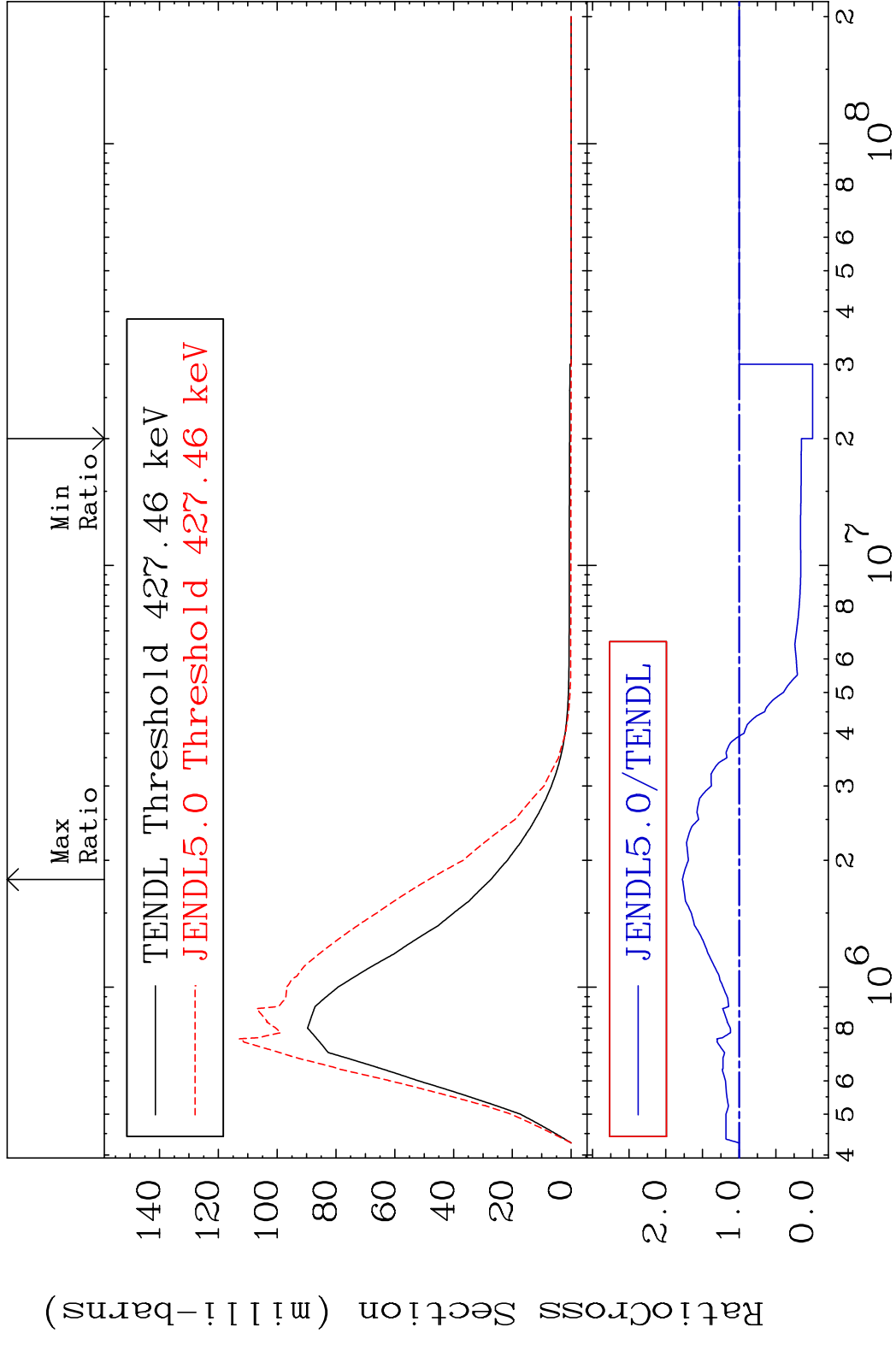
MAT 6931 MT= 54 (n,n') Level 69-Tm-171  
 Cross Section -100.0 To 97.92 %



MAT 6931 MT= 55 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 111.9 %

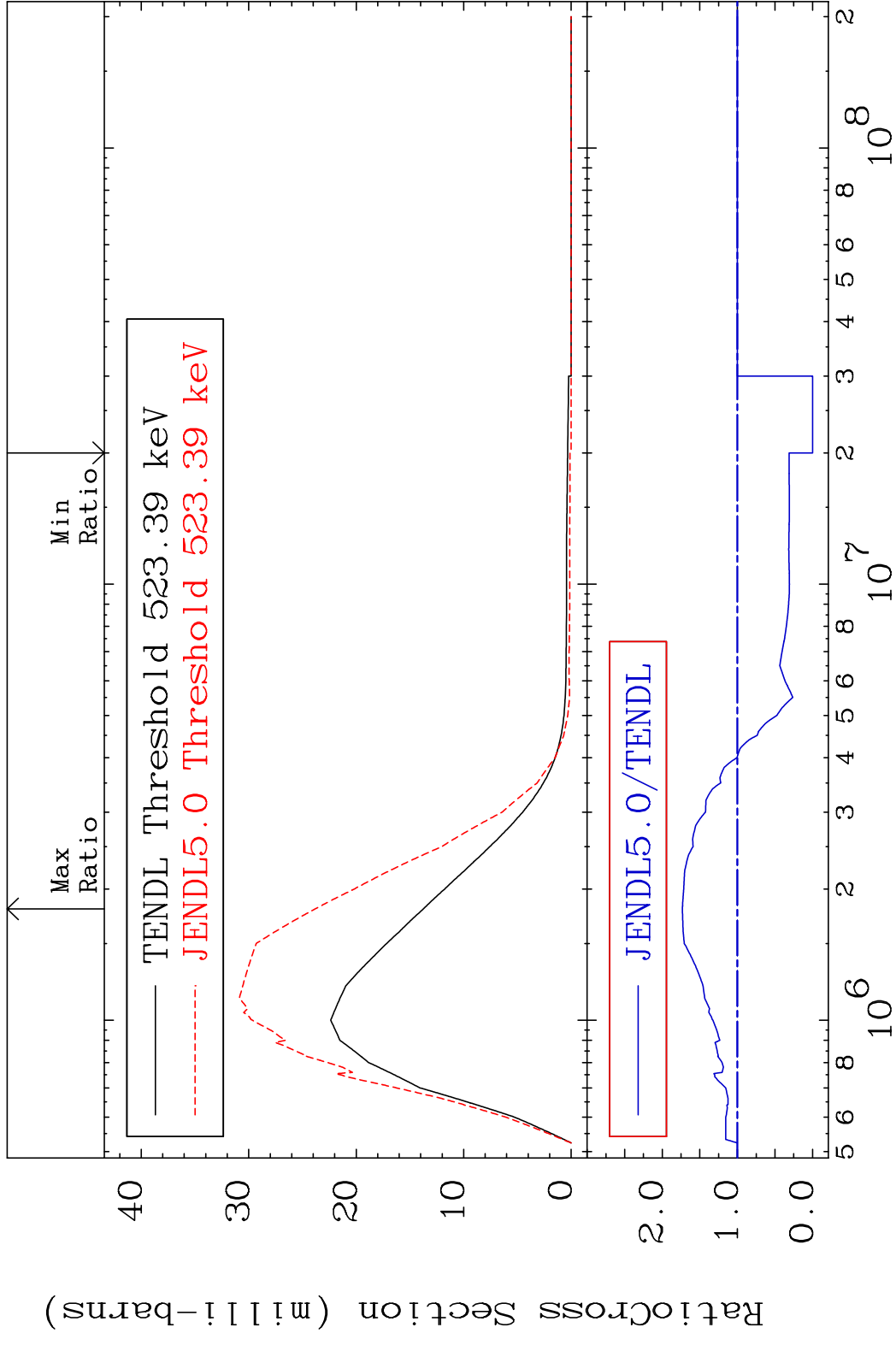


MAT 6931 MT= 56 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 77.45 %

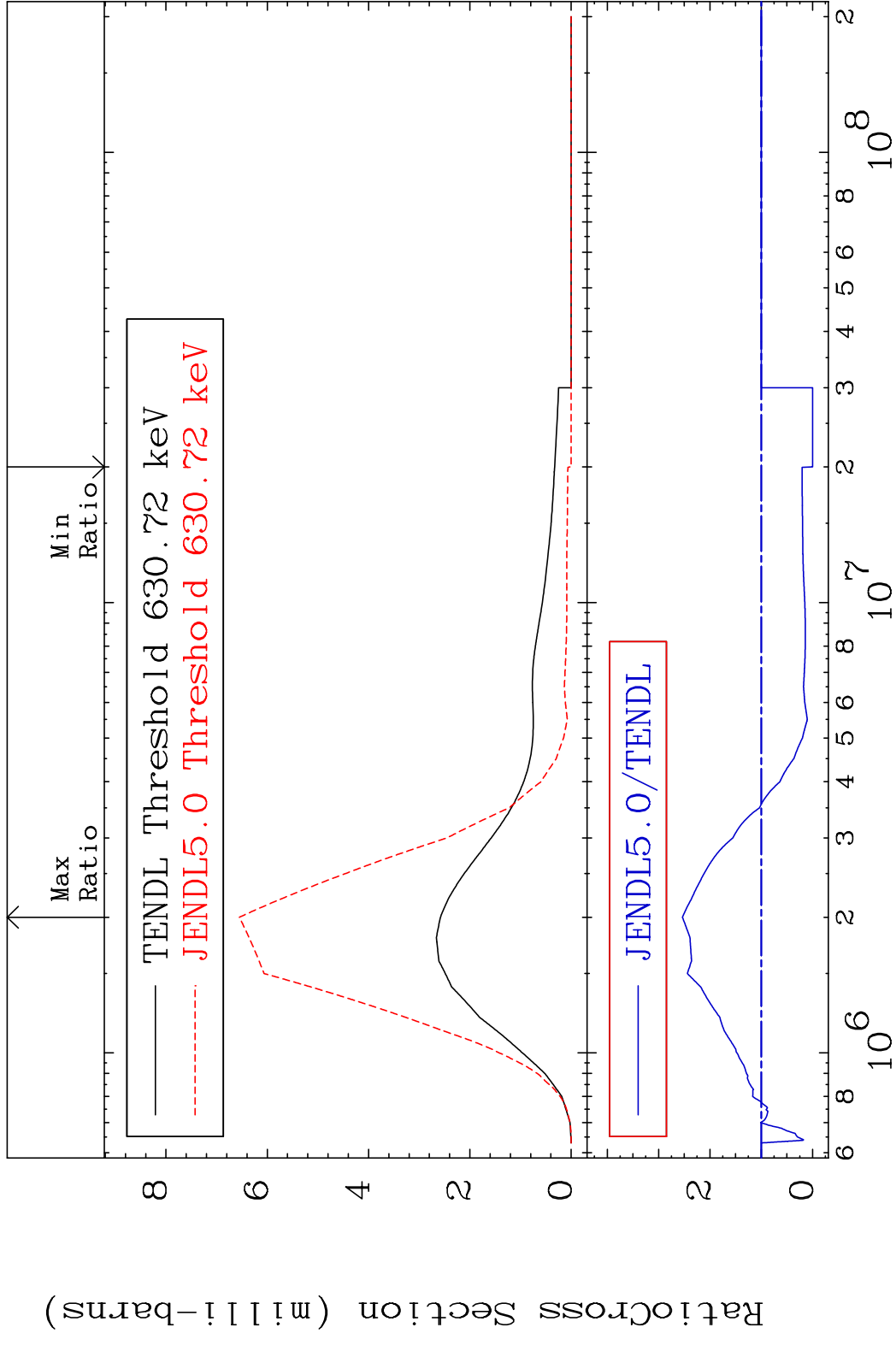


17 69-Tm-171

MAT 6931 MT= 57 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 73.24 %

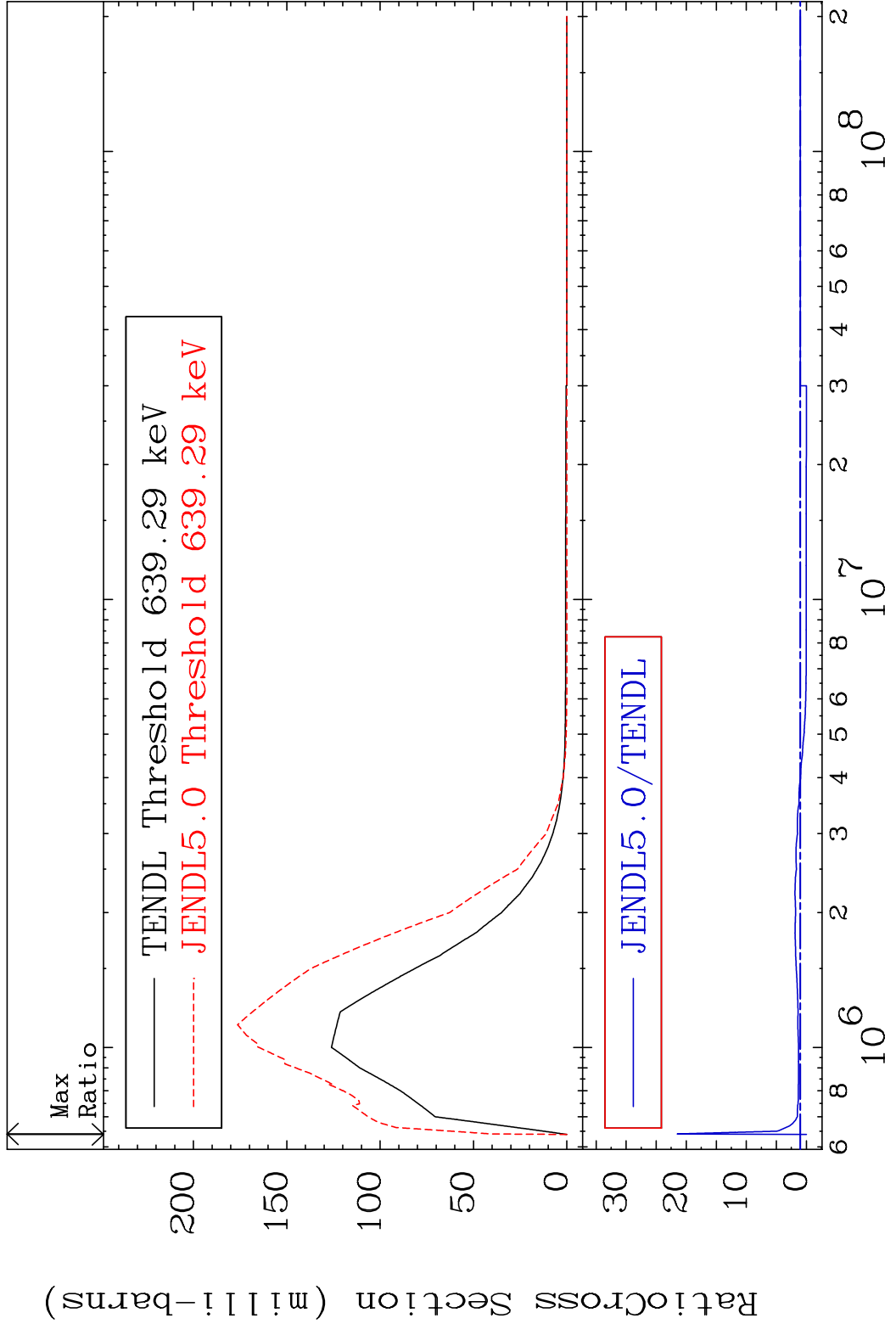


MAT 6931 MT= 58 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 153.7 %



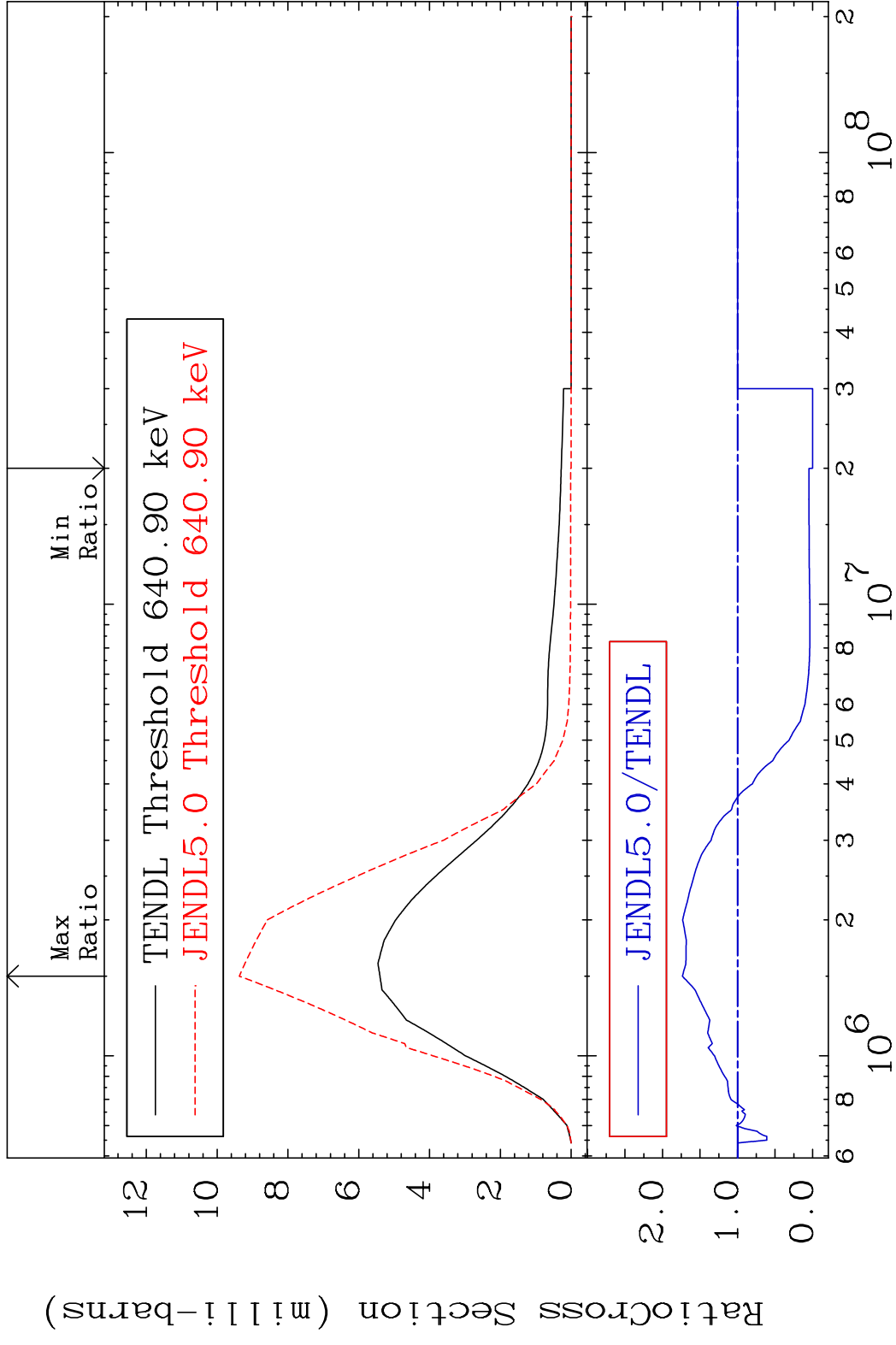
19 69-Tm-171

MAT 6931 MT= 59 (n,n') Level 69-Tm-171  
 Cross Section -100.0 To 2050. %

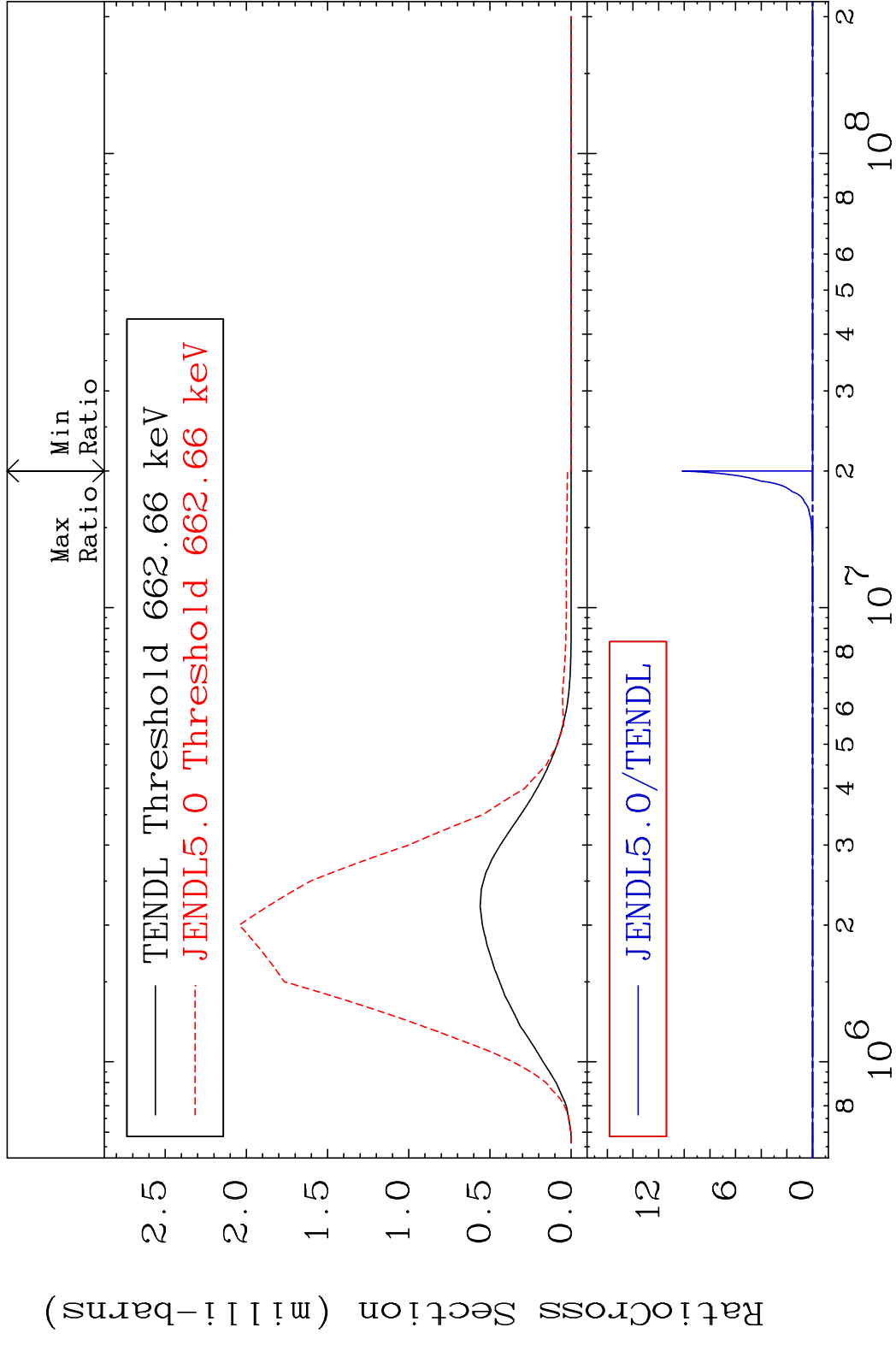


20 69-Tm-171

MAT 6931 MT= 60 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 73.54 %

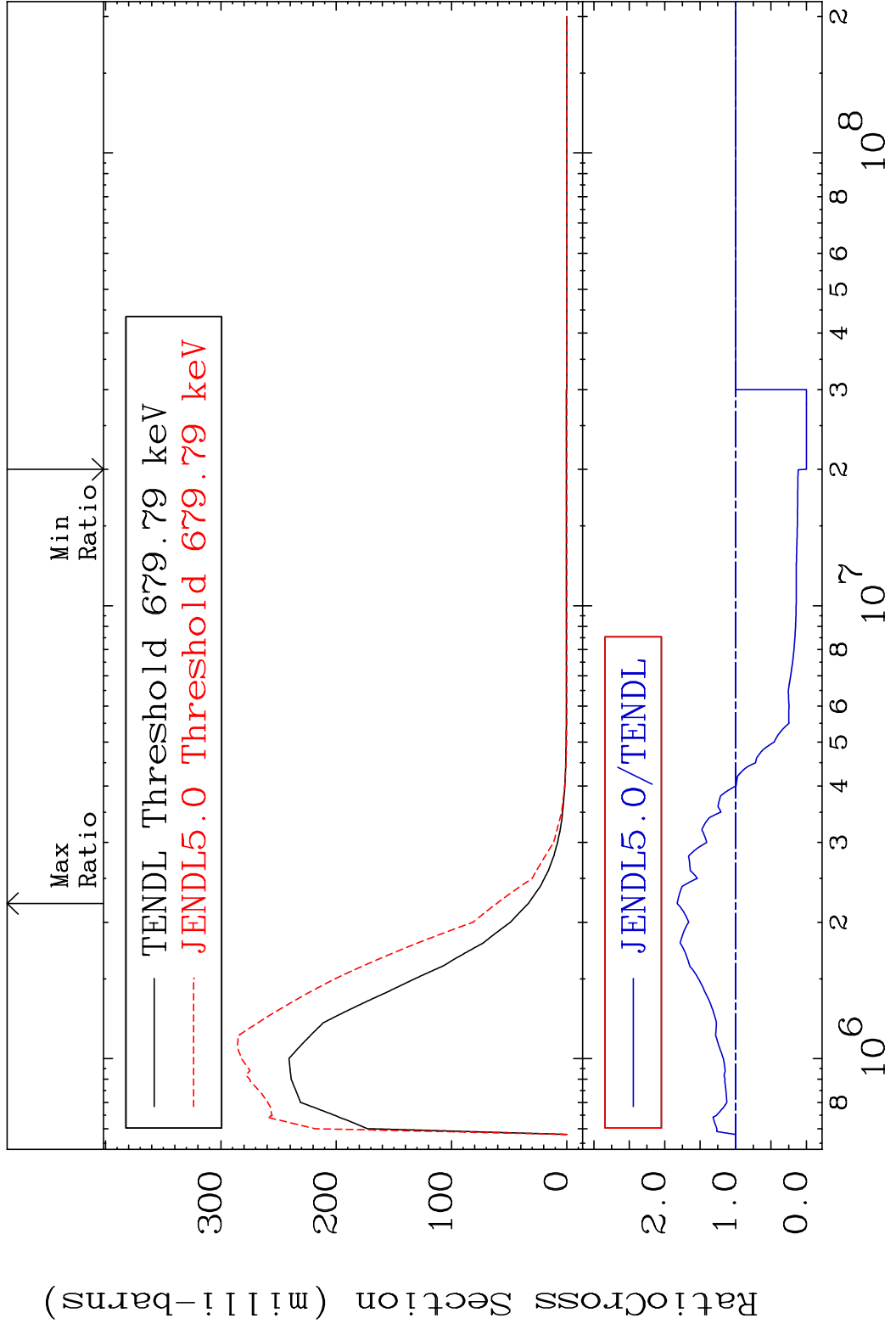


MAT 6931 MT= 61 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %

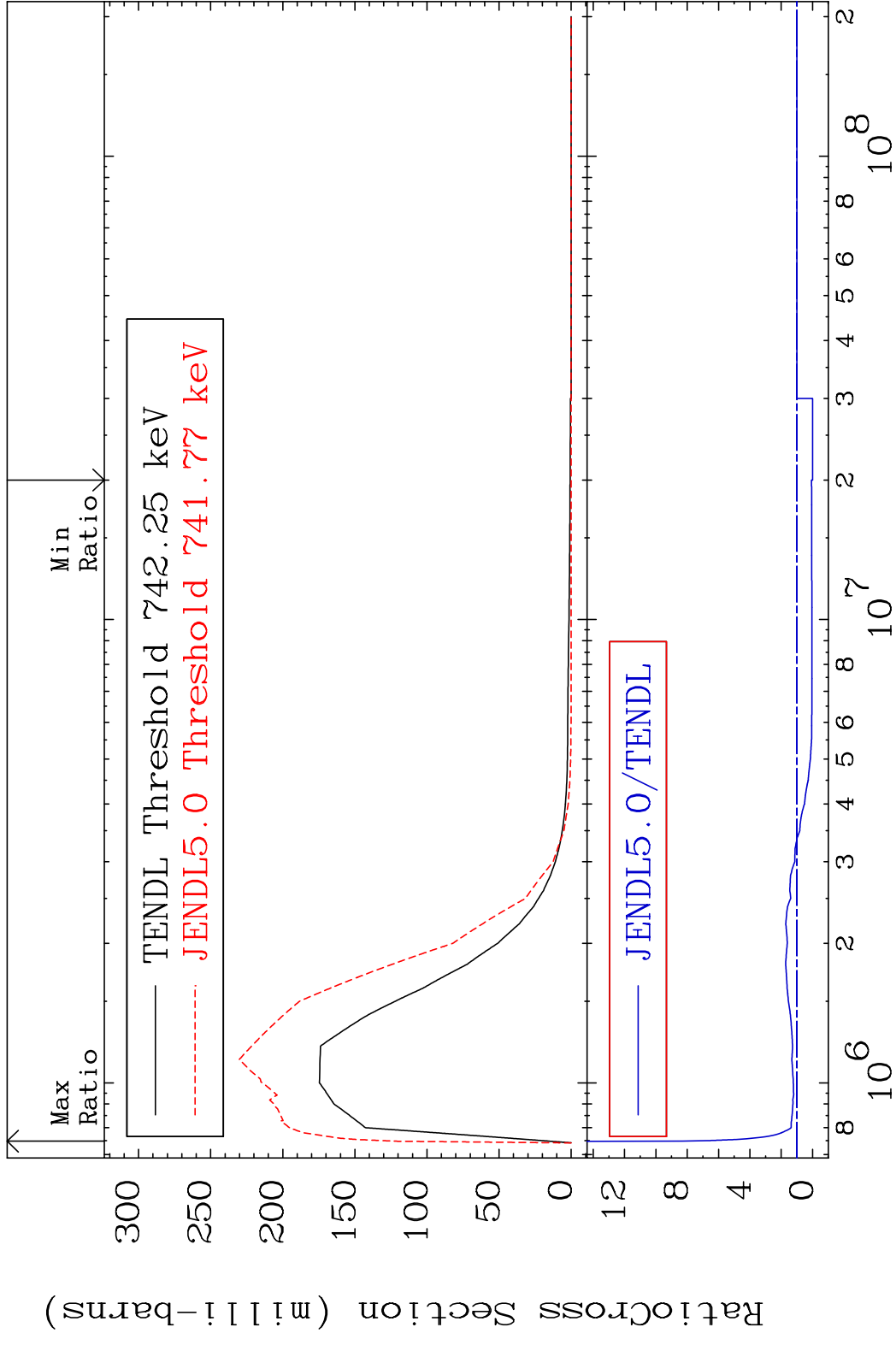


22 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 62 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 82.39 %

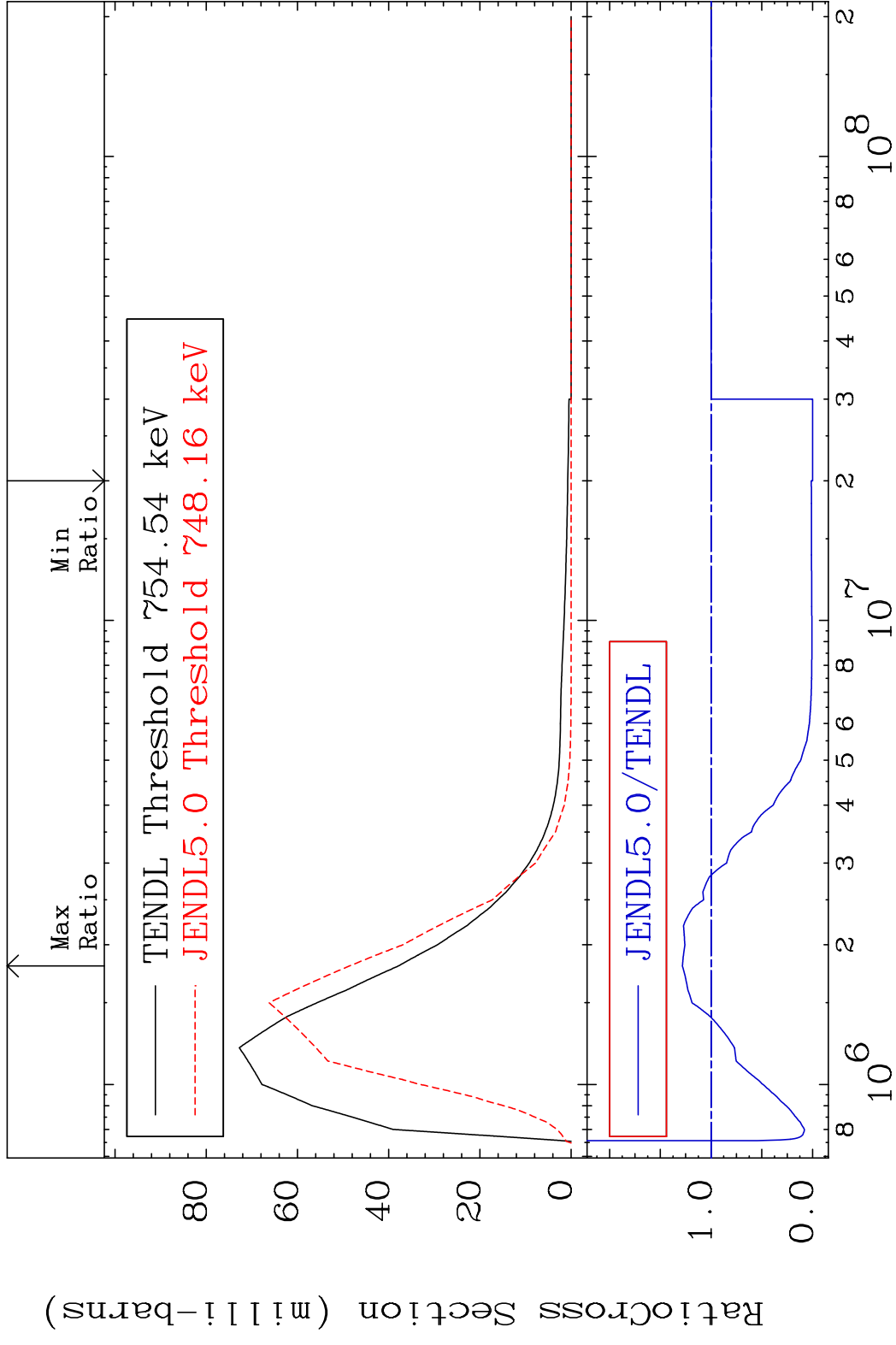


MAT 6931 MT= 63 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 731.1 %



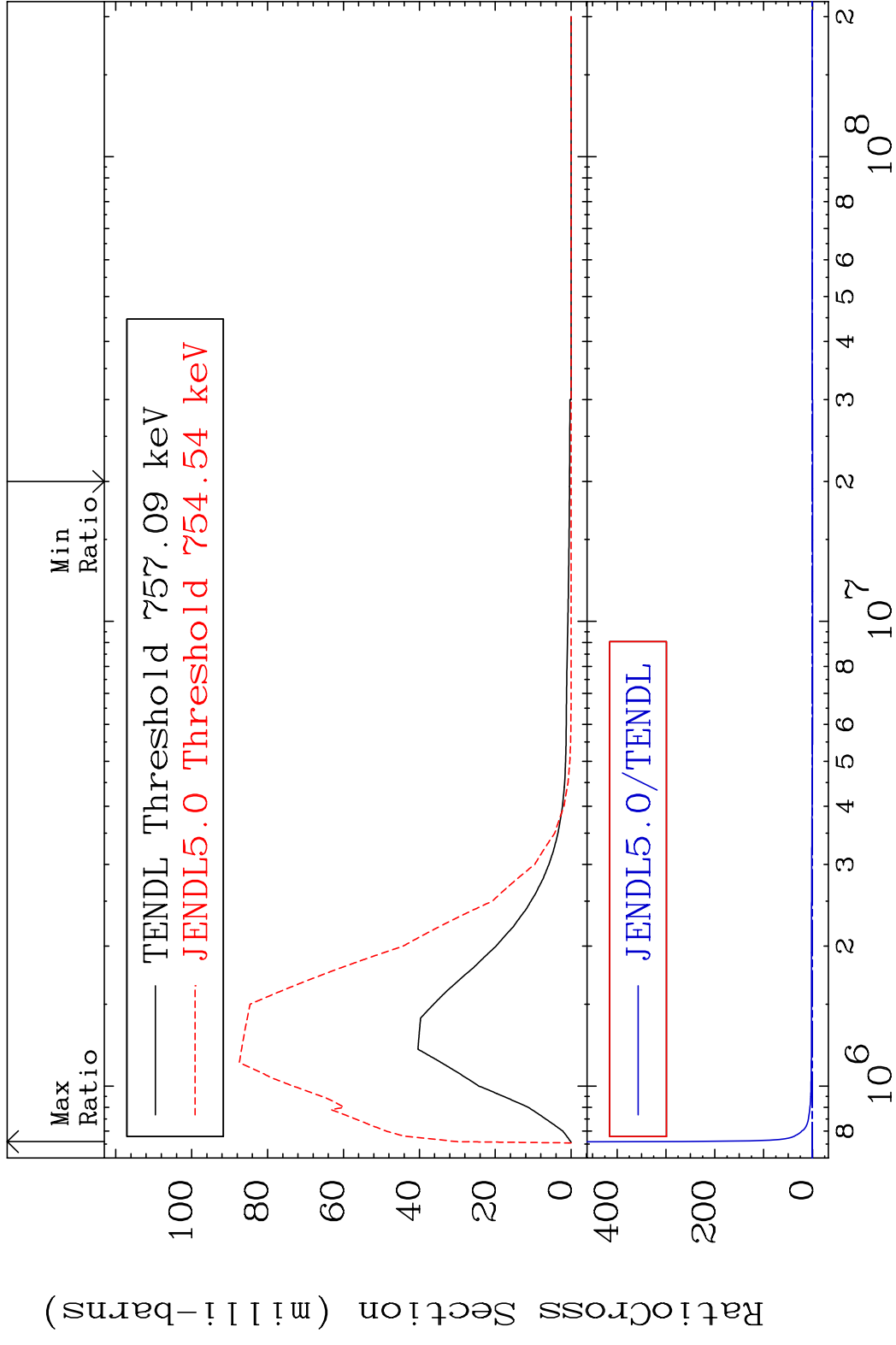
24 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 64 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 28.29 %



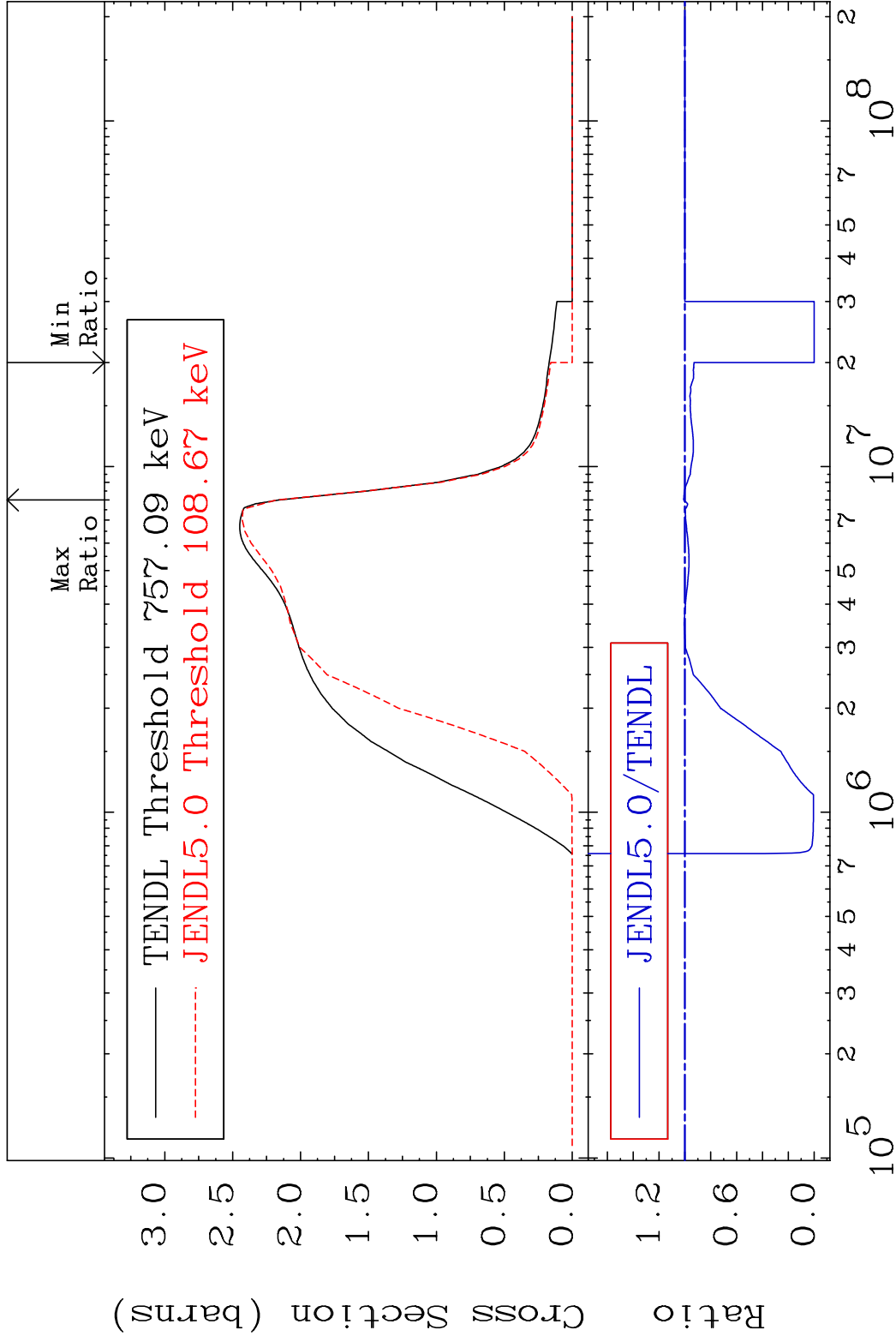
25 69-Tm-171

MAT 6931 MT= 65 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %



MAT 6931

(n, n') Continuum  
Cross Section -100.0 To 0.968 %  
69-Tm-171



27

Incident Energy (eV)

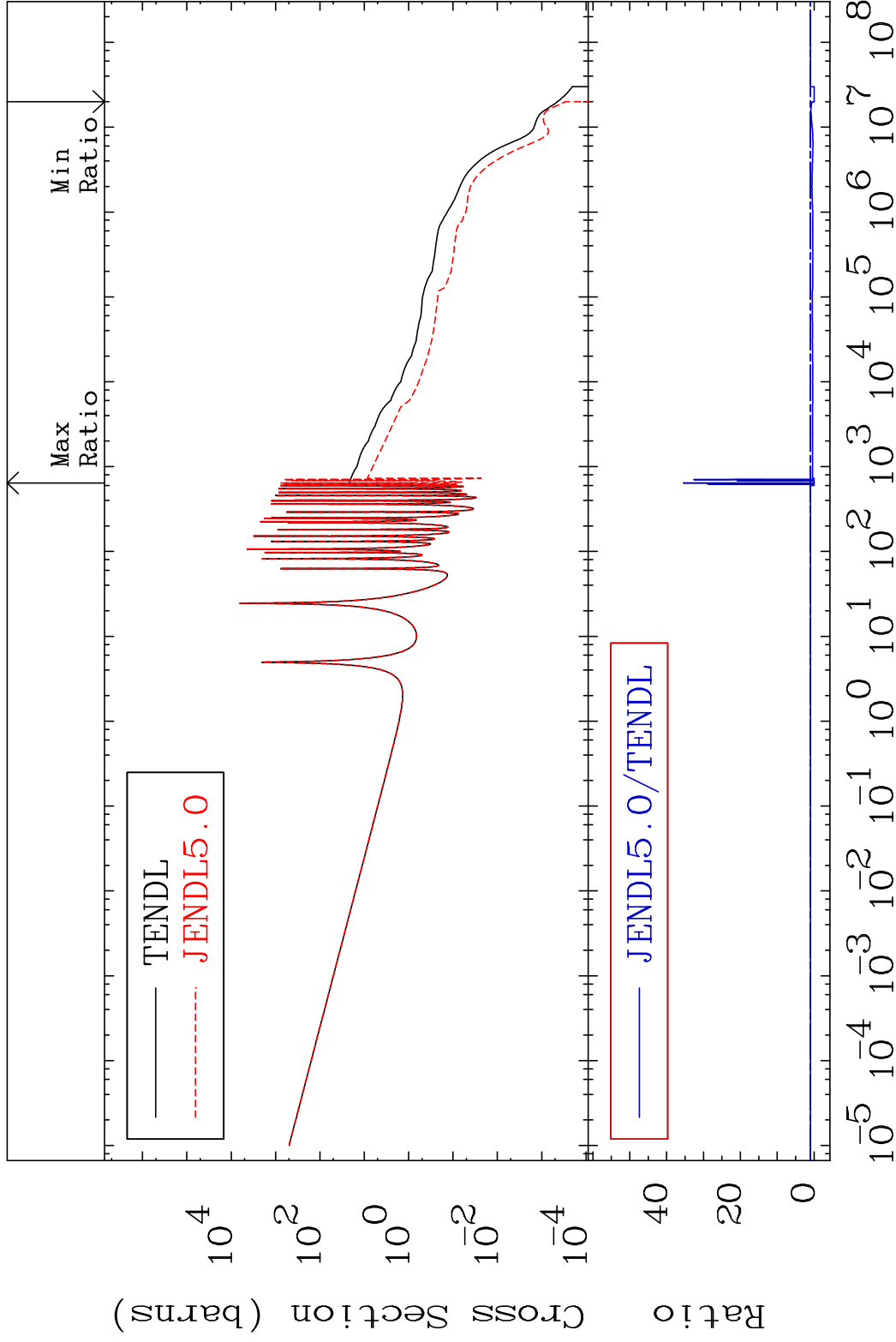
69-Tm-171

MAT 6931

(n,  $\gamma$ )

69-Tm-171

Cross Section -100.0 To 3439. %



28

Incident Energy (eV)

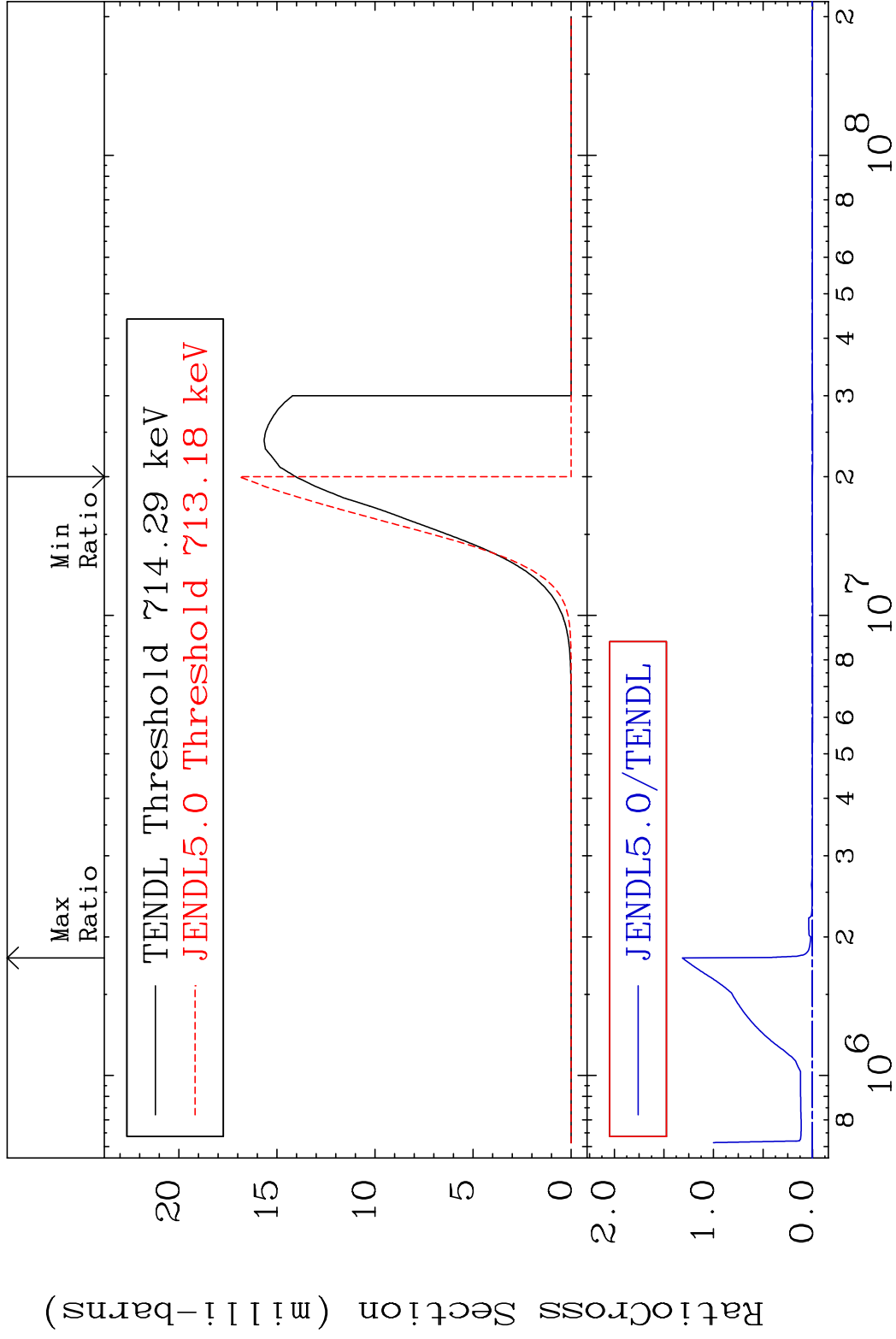
69-Tm-171

MAT 6931

(n, p)

69-Tm-171

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

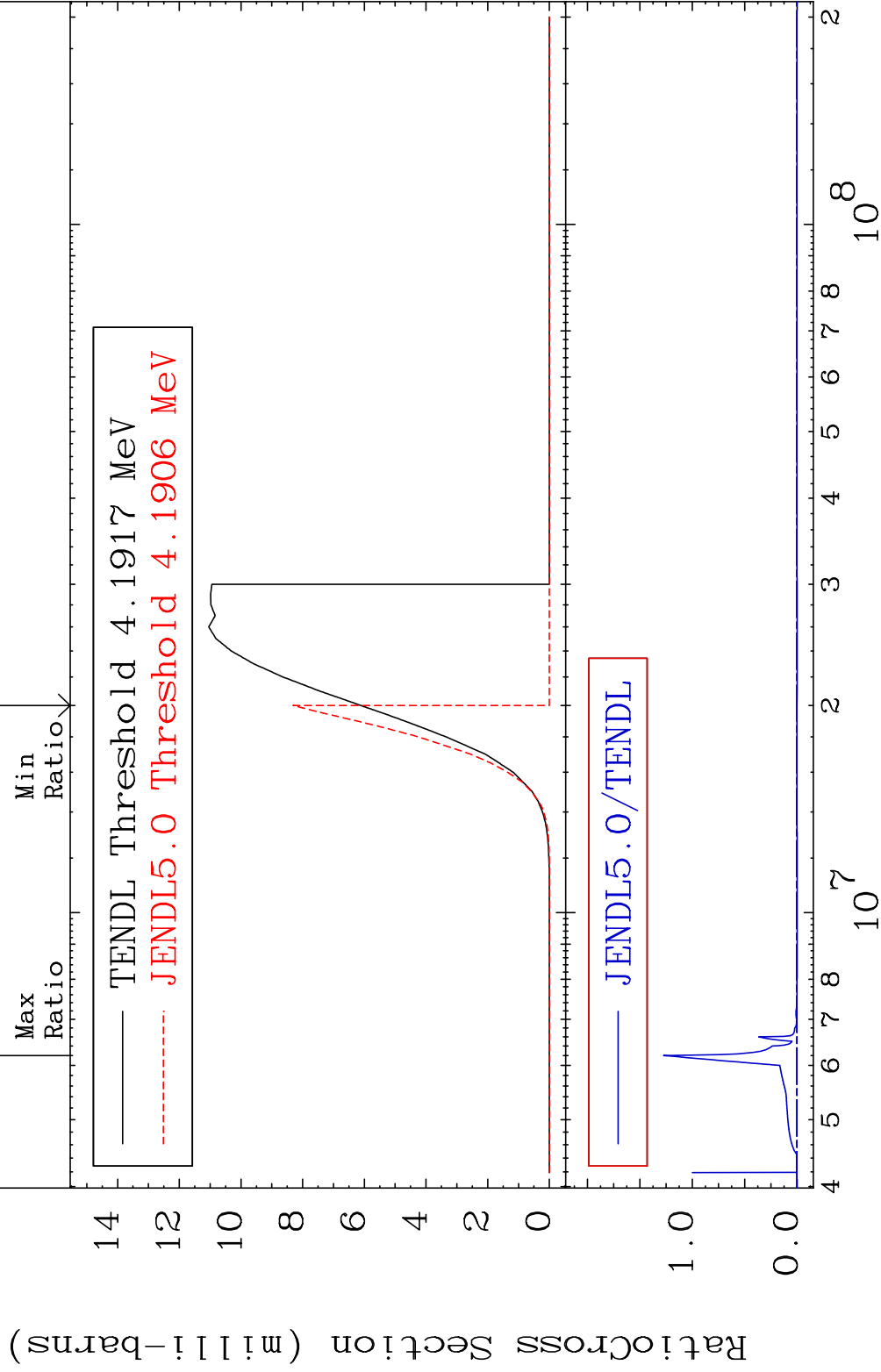
69-Tm-171

MAT 6931

(n, d)

69-Tm-171

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

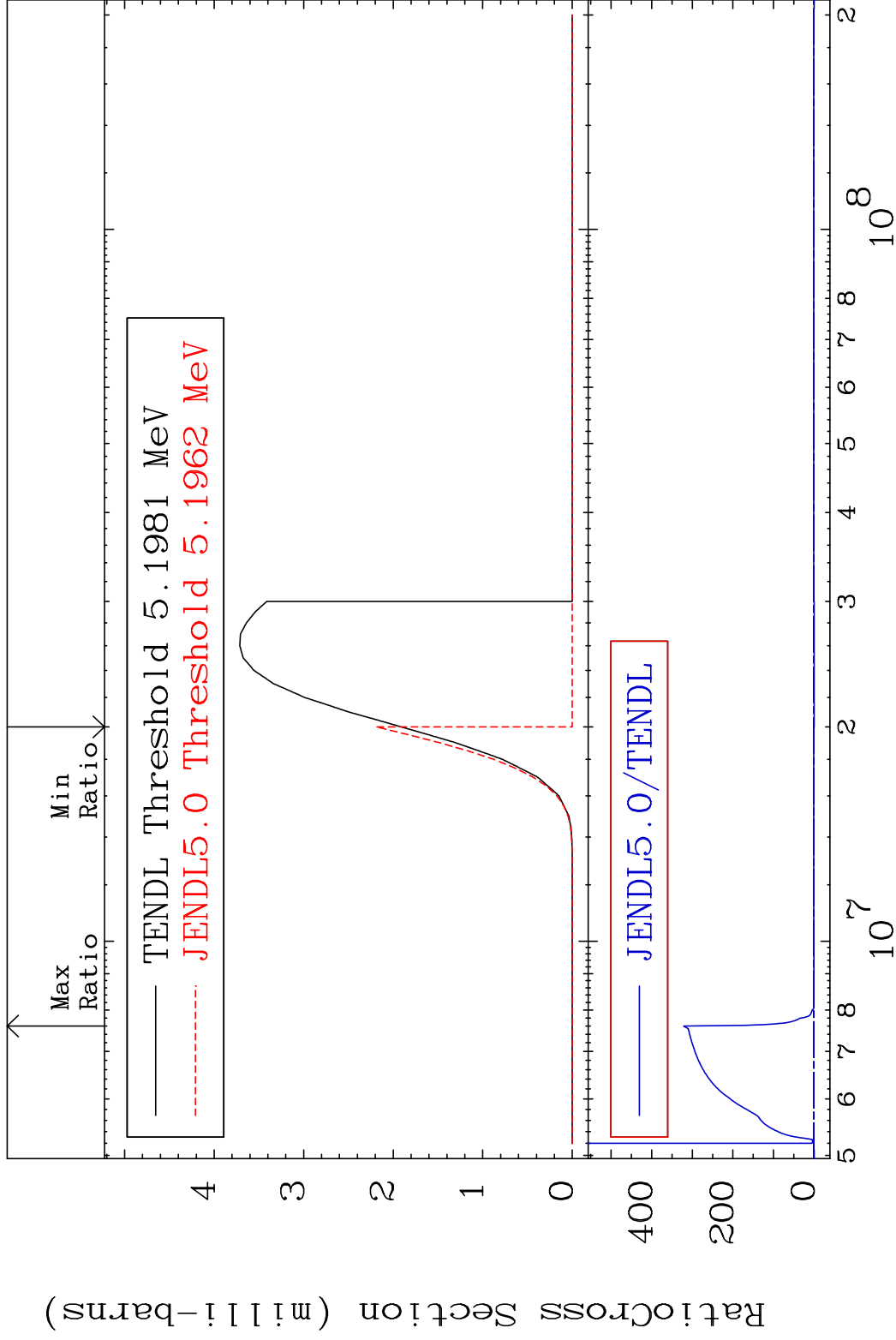
69-Tm-171

MAT 6931

(n, t)

69-Tm-171

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

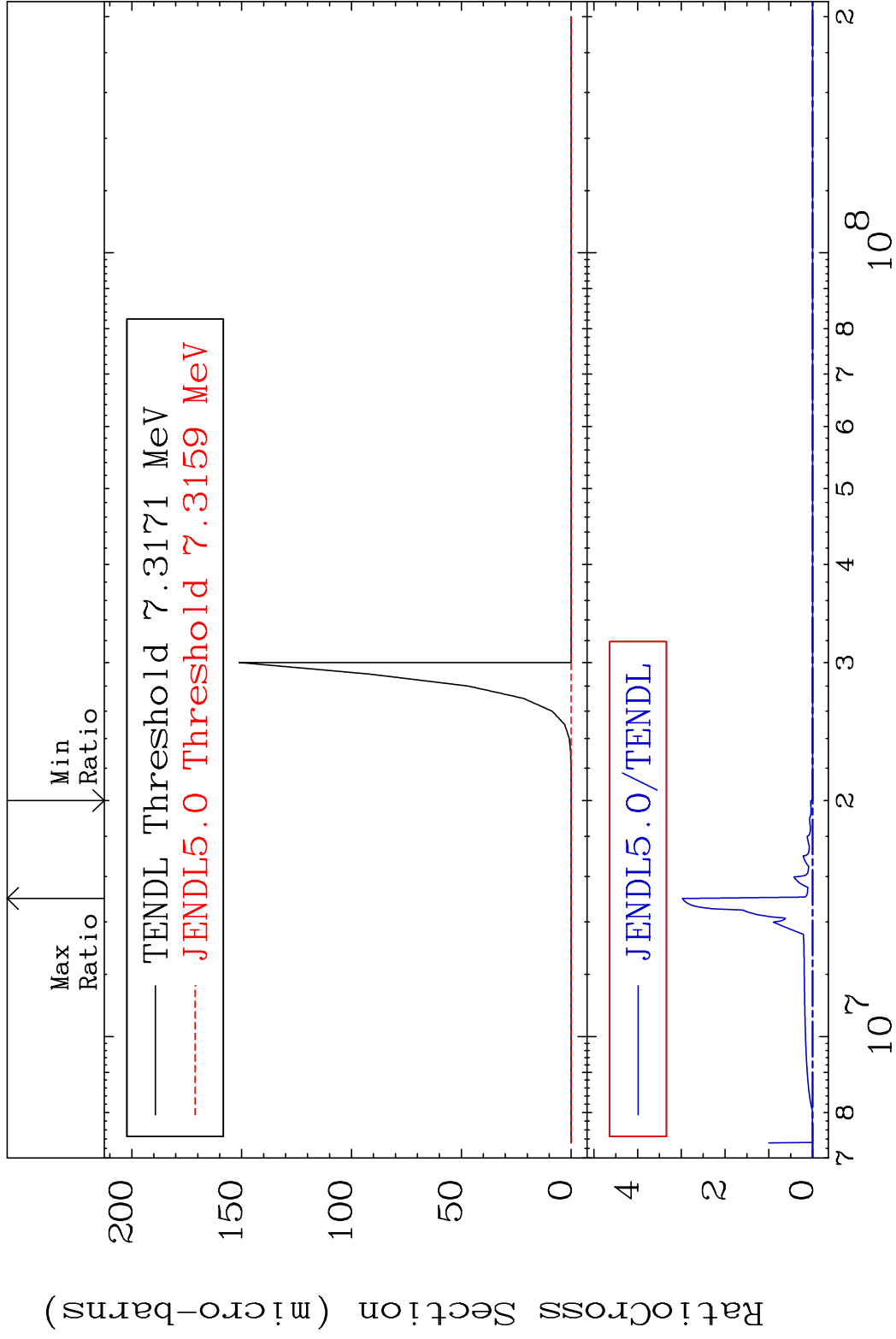
69-Tm-171

MAT 6931

(n, He-3)

69-Tm-171

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

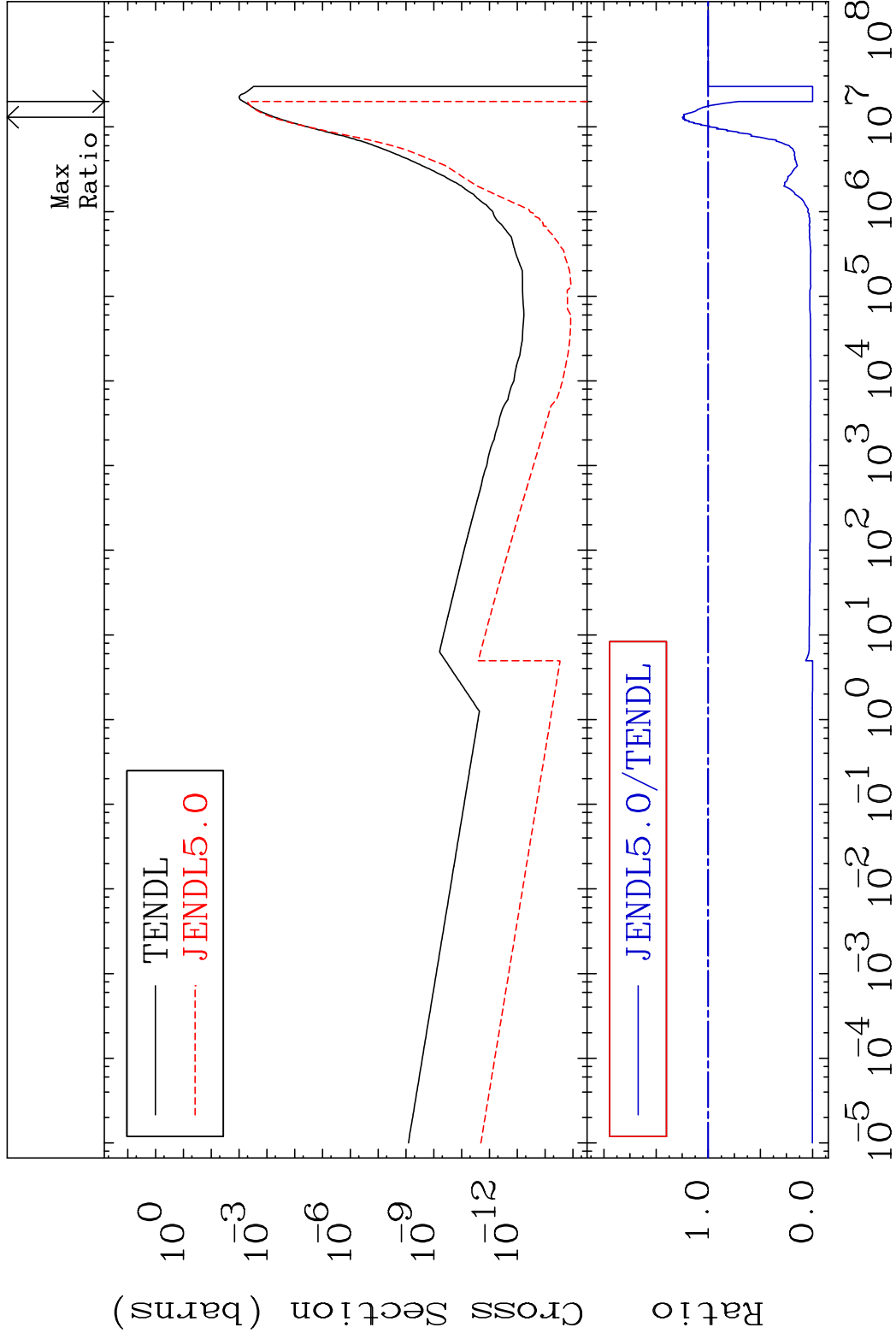
69-Tm-171

MAT 6931

(n,  $\alpha$ )

69-Tm-171

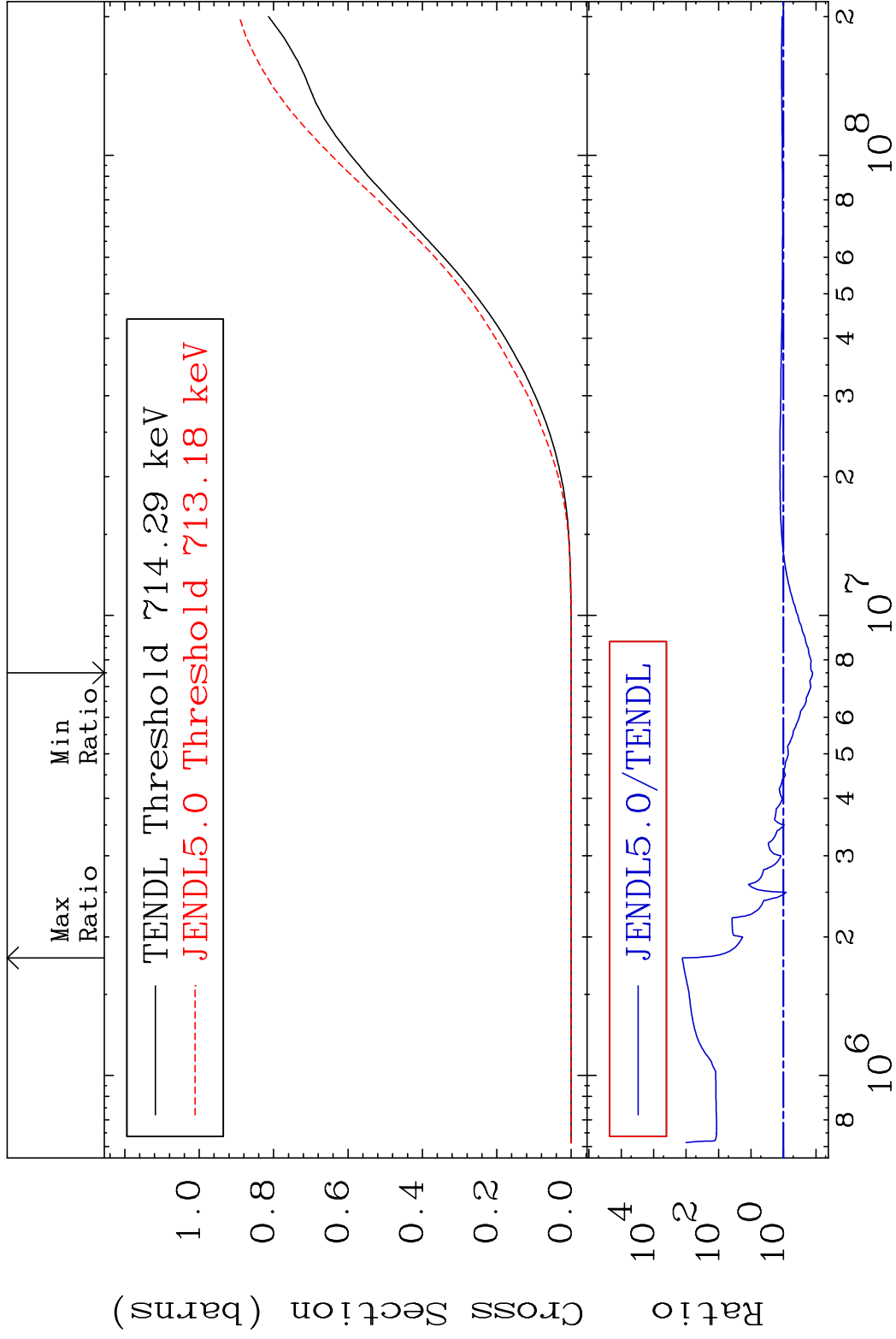
Cross Section -100.0 To 24.81 %



33

Incident Energy (eV)

69-Tm-171

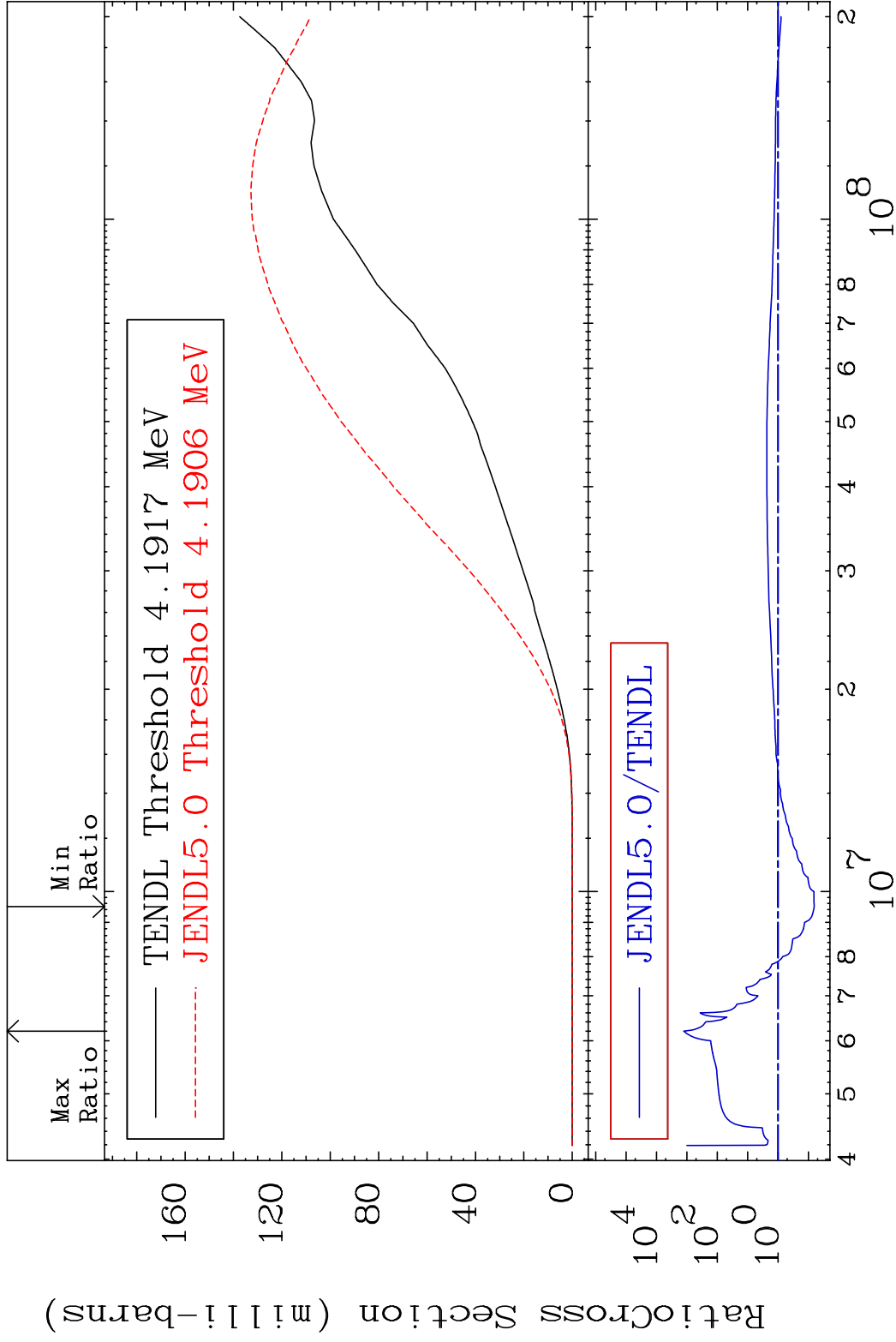


MAT 6931

Deuterium Production

69-Tm-171

Cross Section -93.54 To 9999. %



35

Incident Energy (eV)

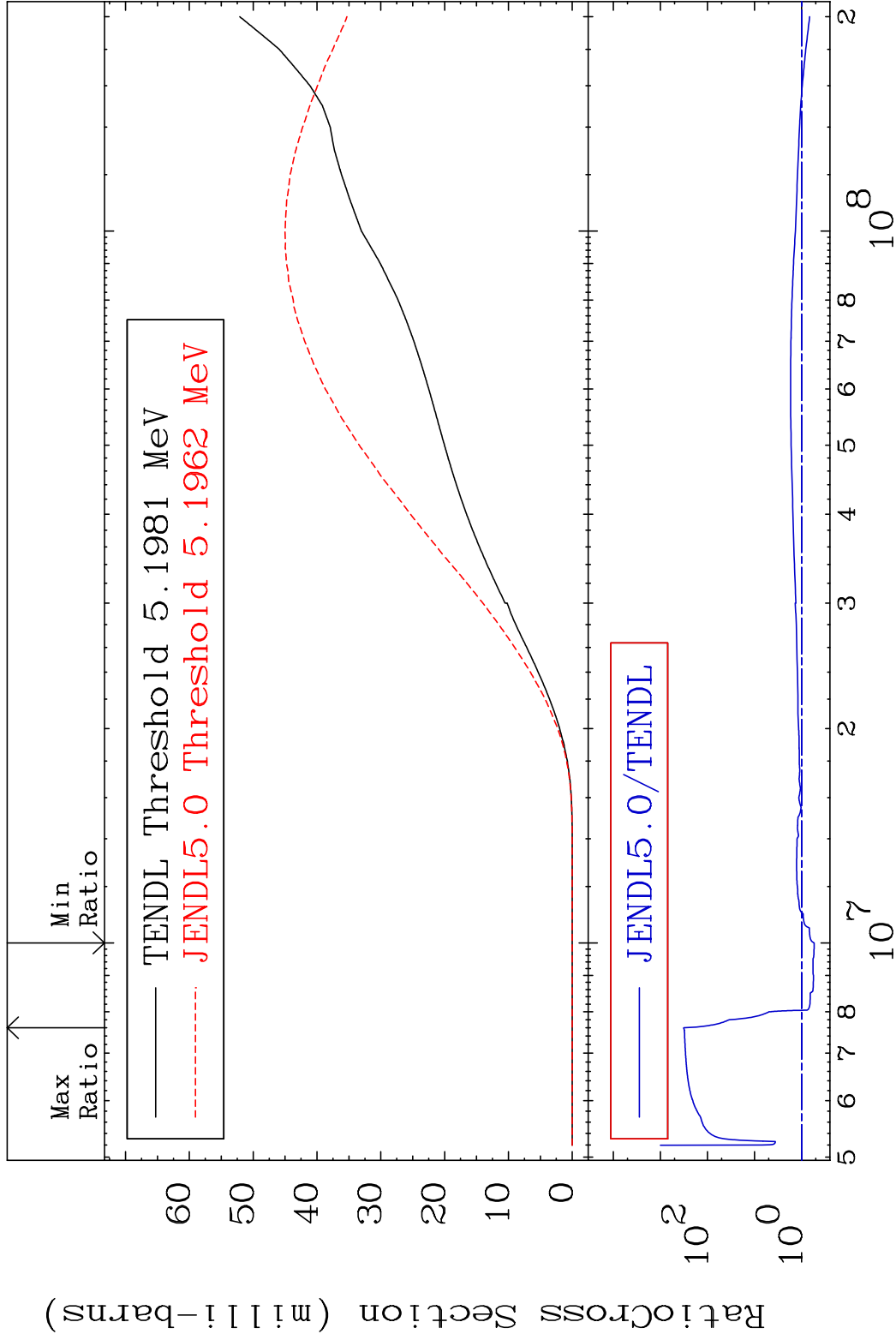
69-Tm-171

MAT 6931

Tritium Production

69-Tm-171

Cross Section -45.65 To 9999. %



36

Incident Energy (eV)

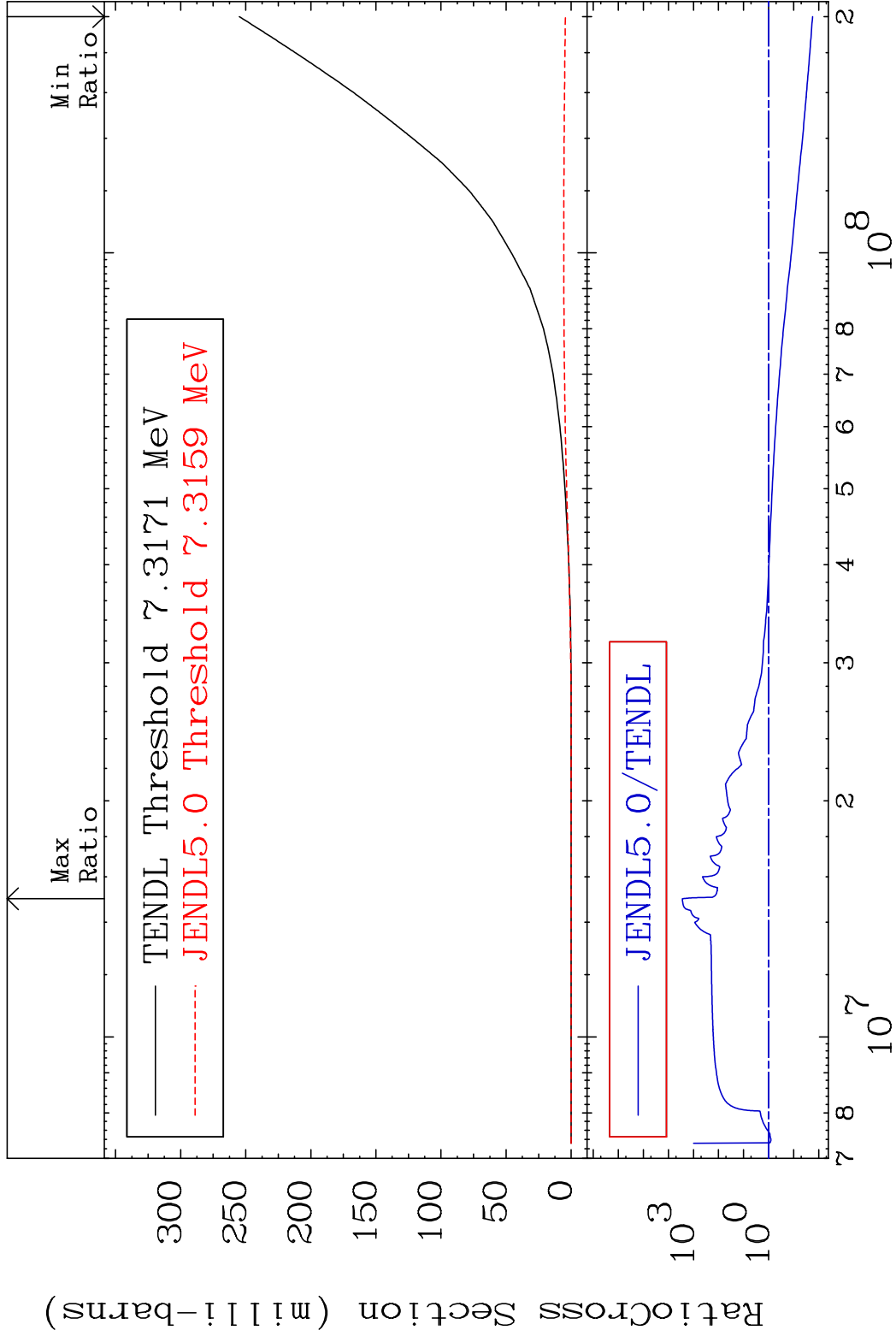
69-Tm-171

MAT 6931

He-3 Production

69-Tm-171

Cross Section -98.24 To 9999. %



37

Incident Energy (eV)

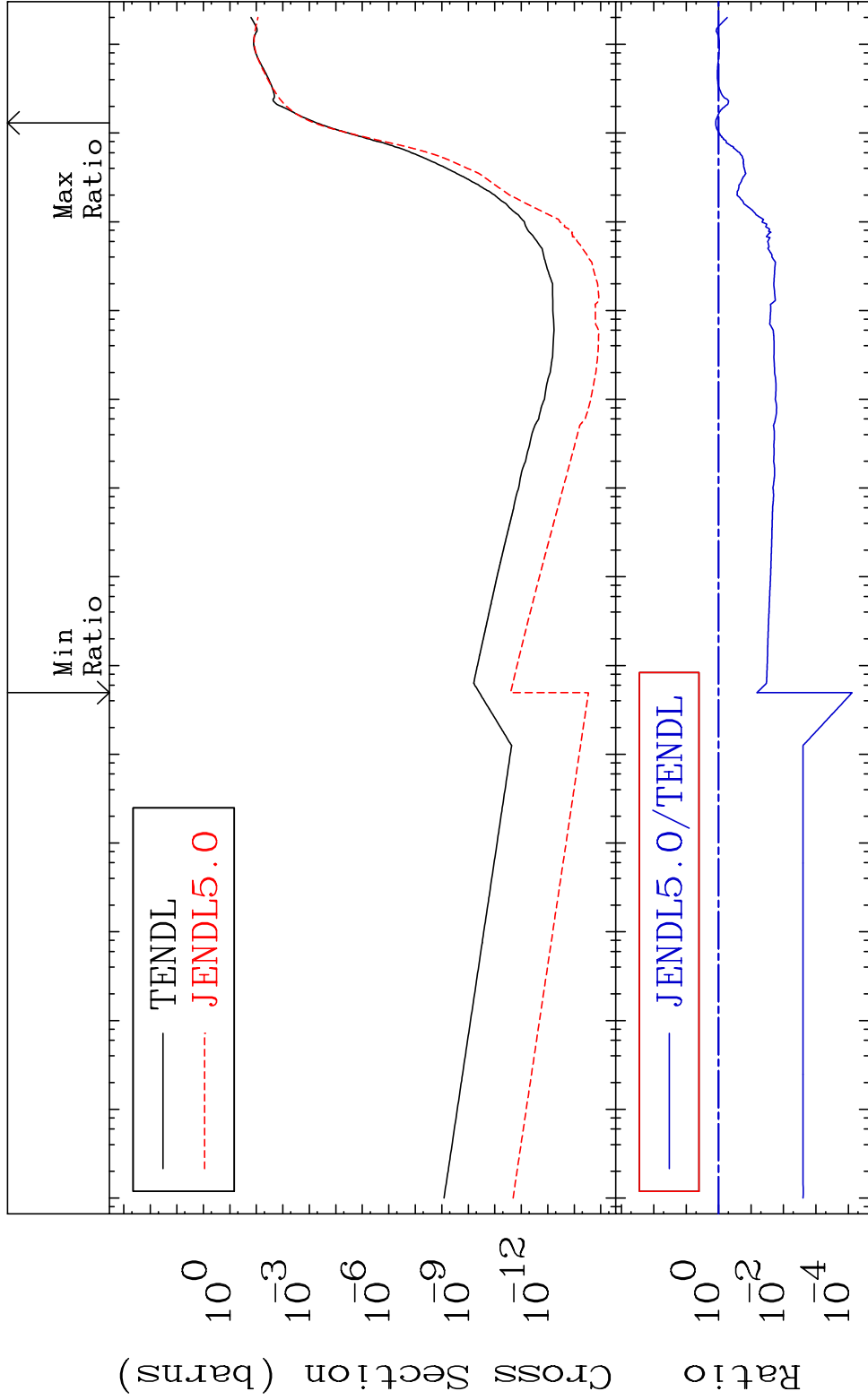
69-Tm-171

MAT 6931

He-4 Production

69-Tm-171

Cross Section -99.99 To 23.56 %

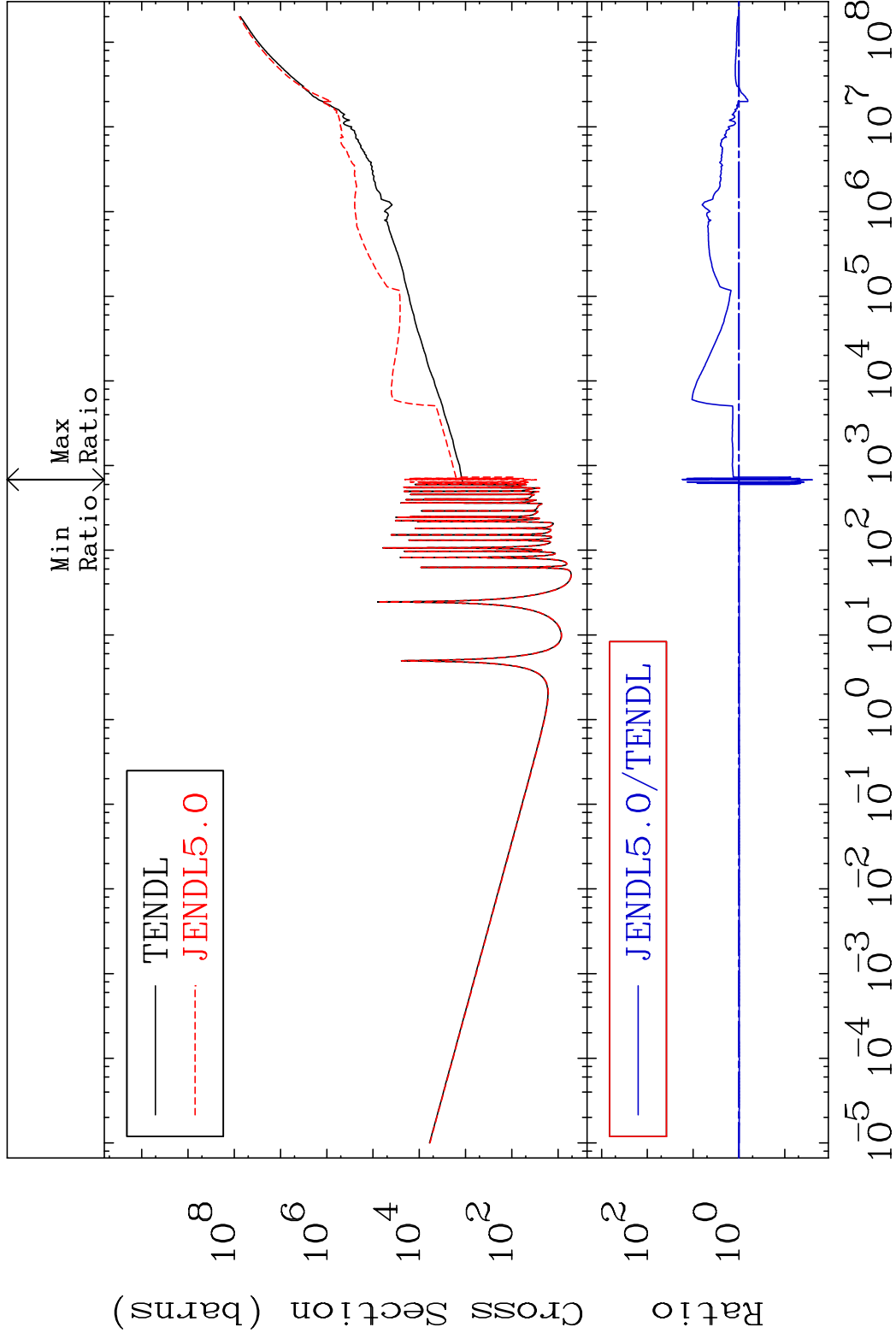


MAT 6931

Kerma total (eV-barns)

69-Tm-171

Cross Section -97.54 To 1619. %



39

Incident Energy (eV)

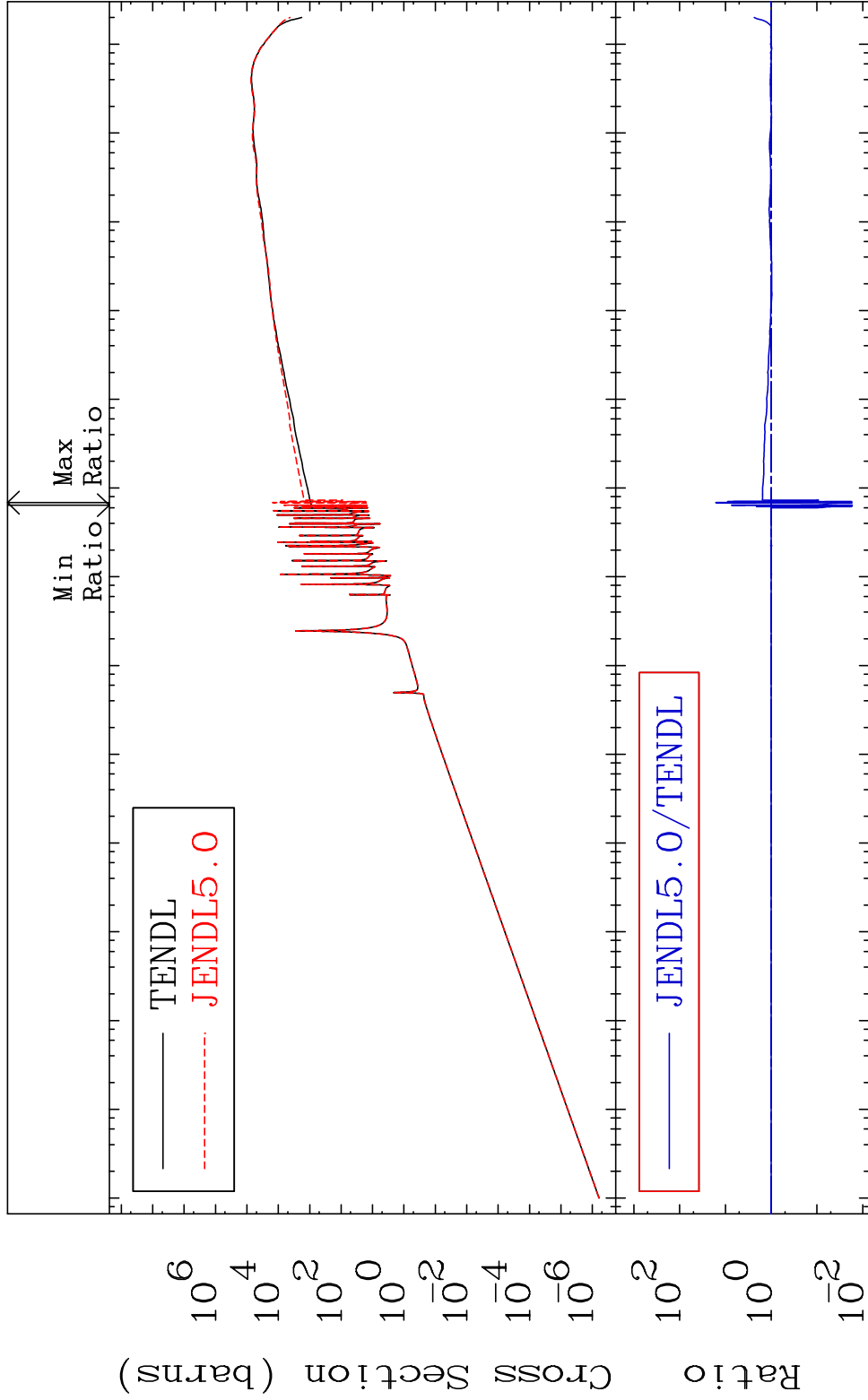
69-Tm-171

MAT 6931

Kerma elastic

69-Tm-171

Cross Section -98.30 To 1531. %

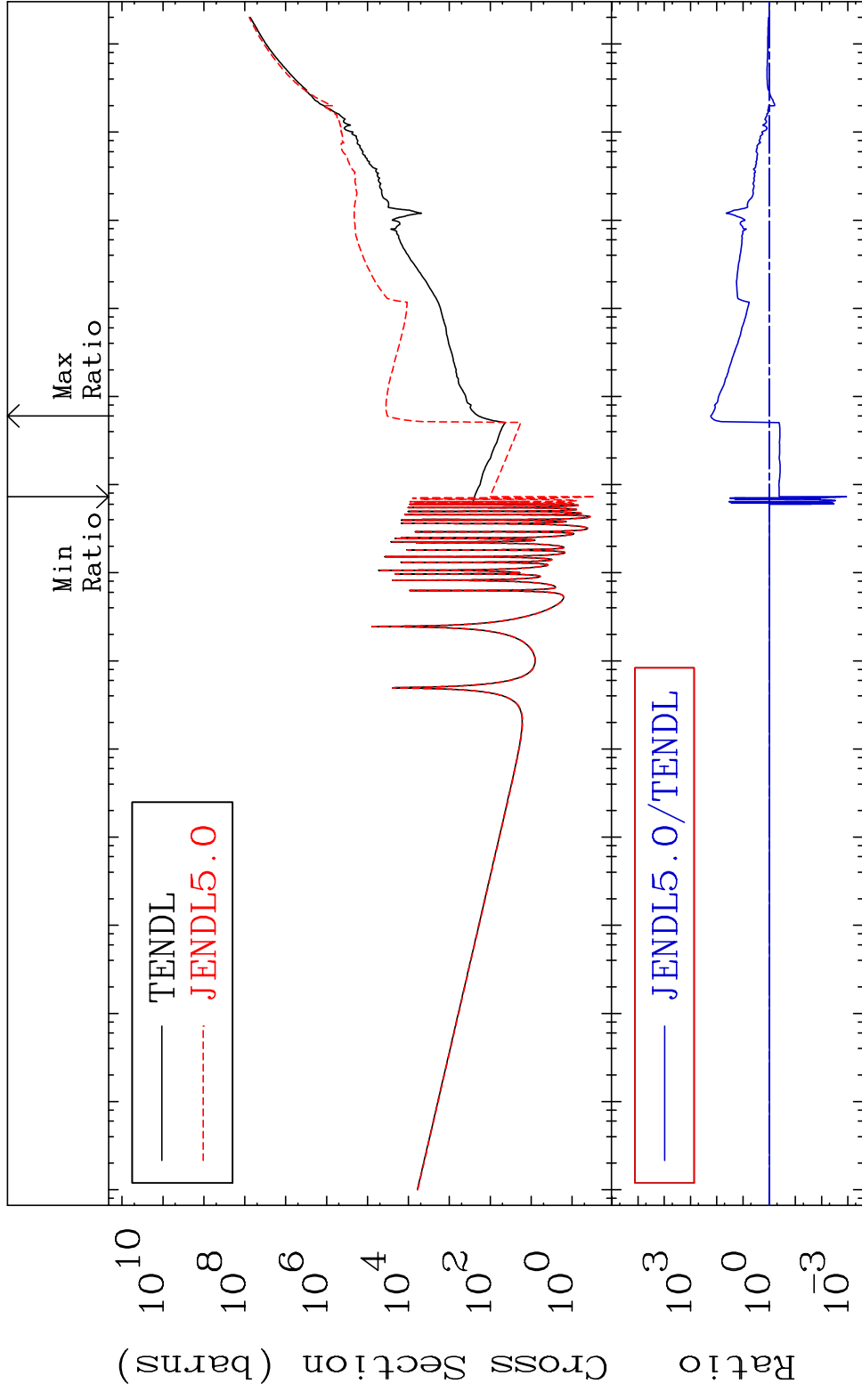


40

Incident Energy (eV)

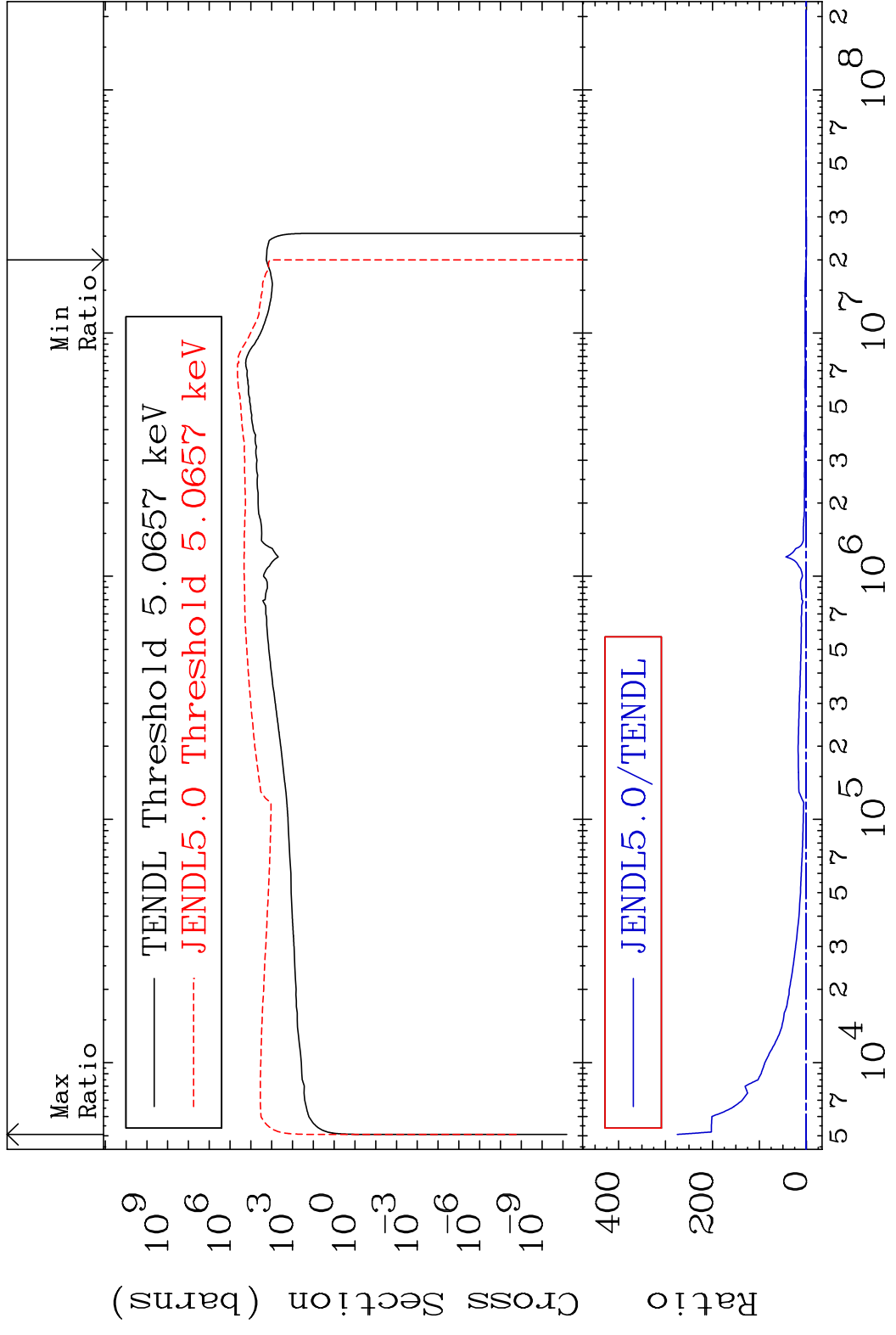
69-Tm-171

MAT 6931 Kerma non-elastic (all but mt2) 69-Tm-171  
 Cross Section -99.89 To 9999. %



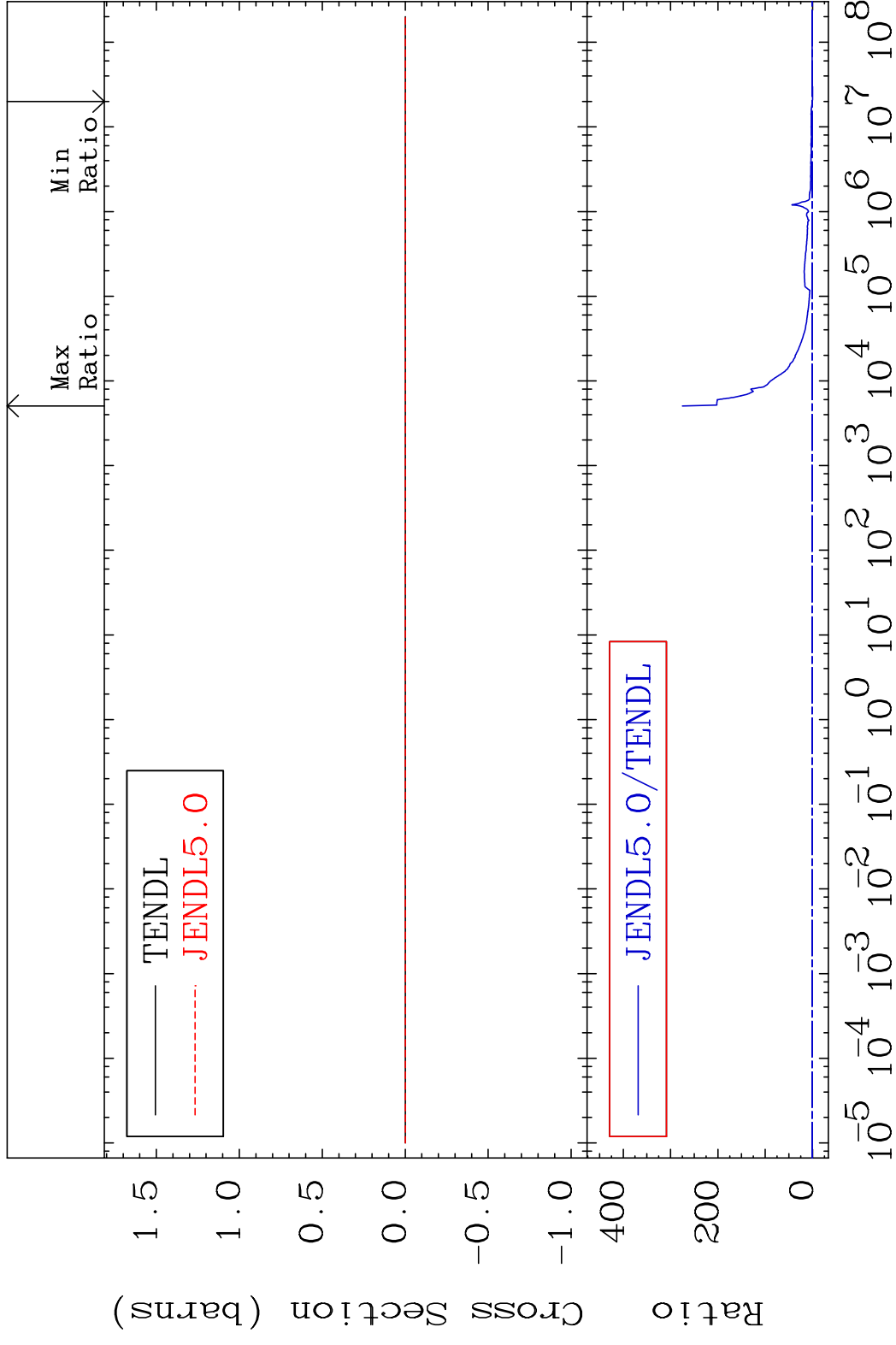
41 Incident Energy (eV) 69-Tm-171

MAT 6931 Kerma inelastic (mt51-91) 69-Tm-171  
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 69-Tm-171

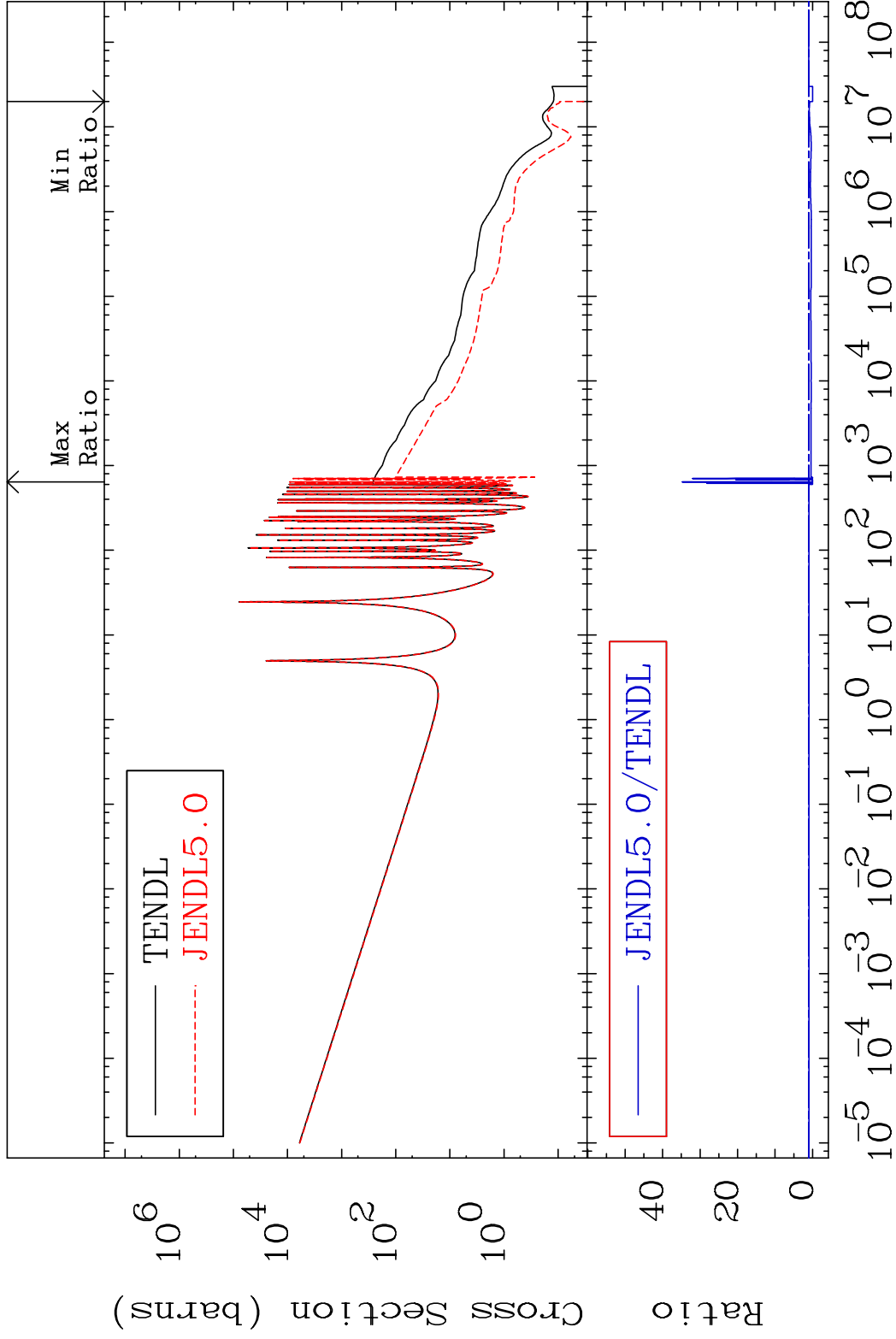
MAT 6931 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-171  
 Cross Section -100.0 To 9999. %



MAT 6931

Kerma capture (mt102) 69-Tm-171

Cross Section -100.0 To 3373. %

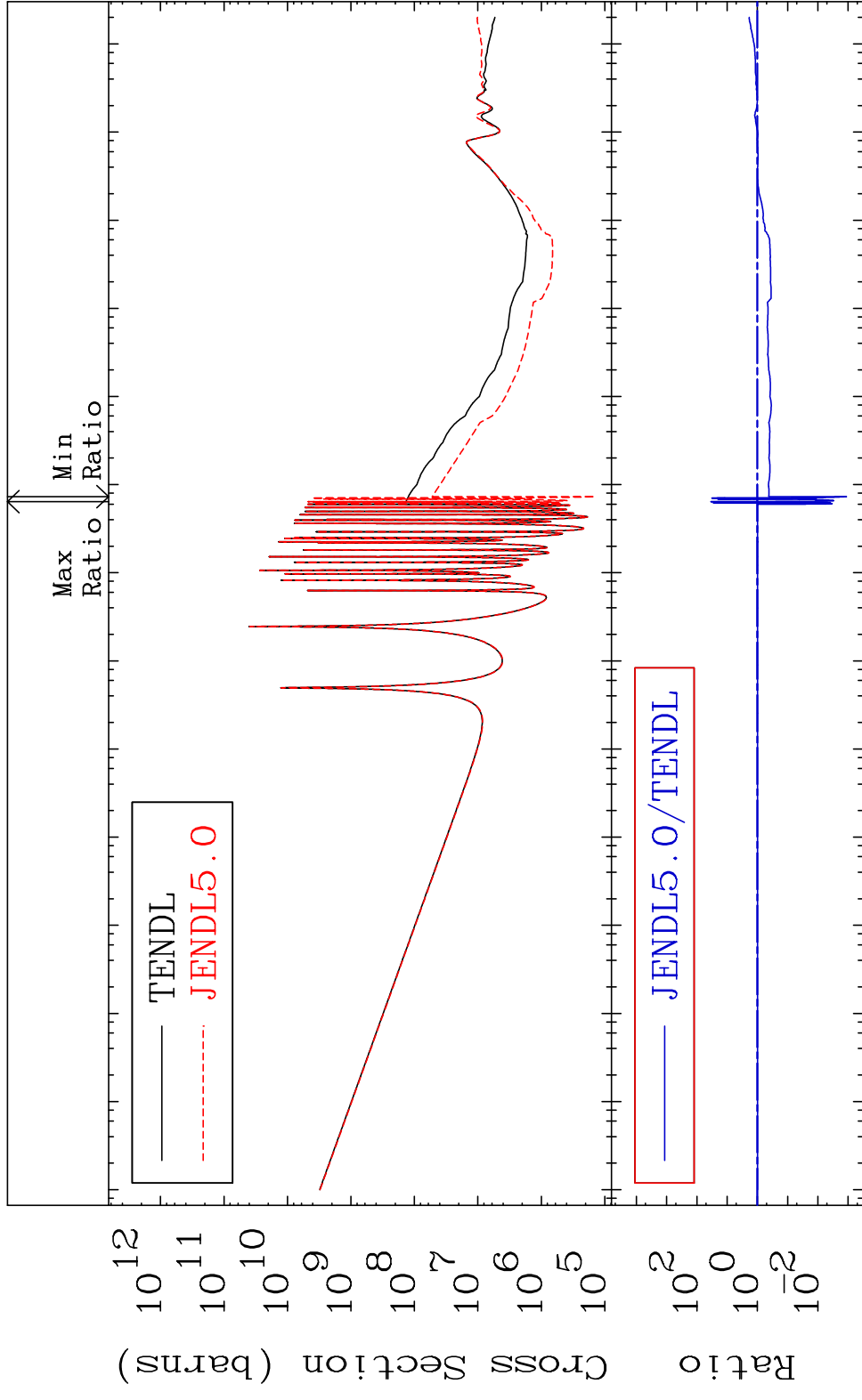


44

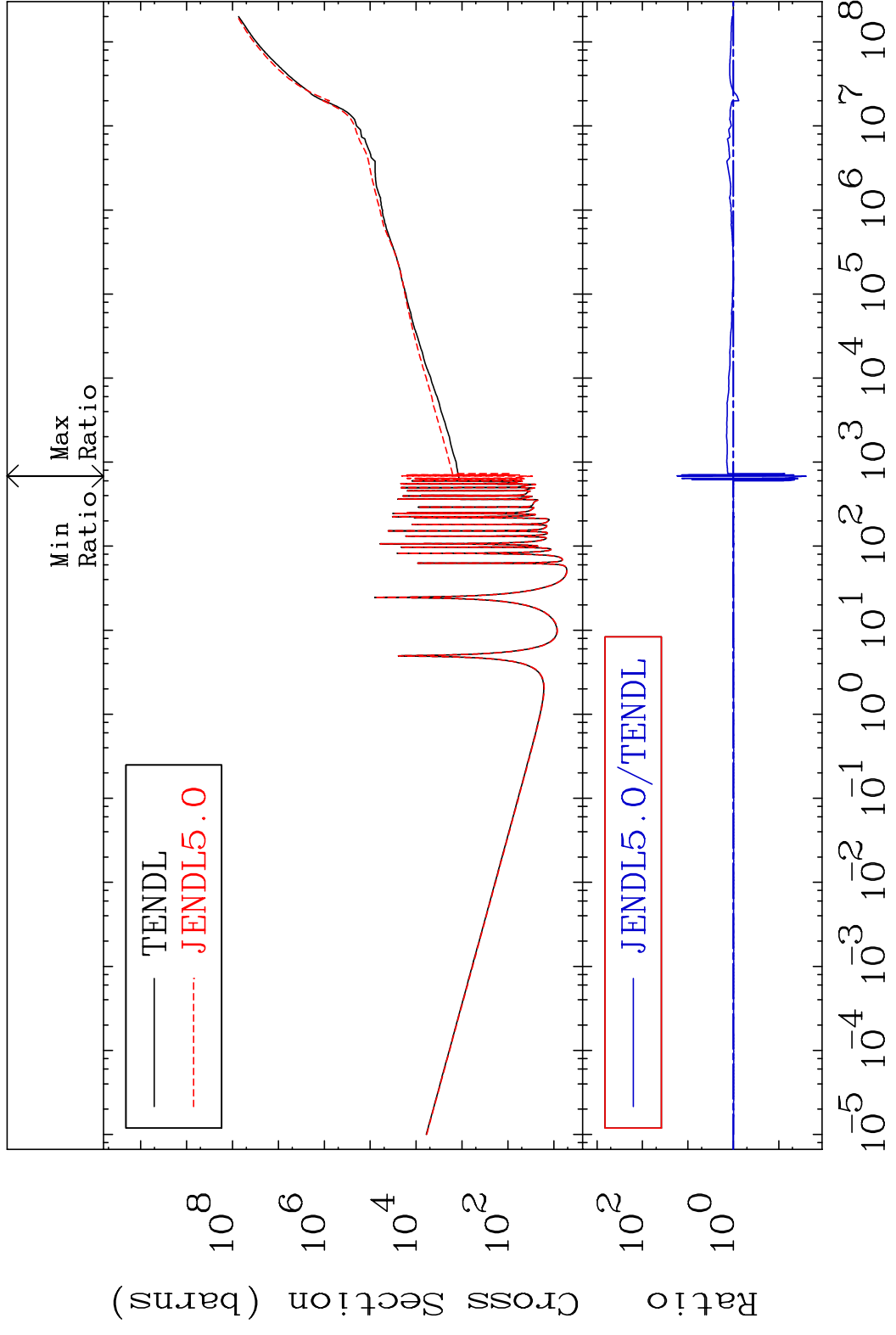
Incident Energy (eV)

69-Tm-171

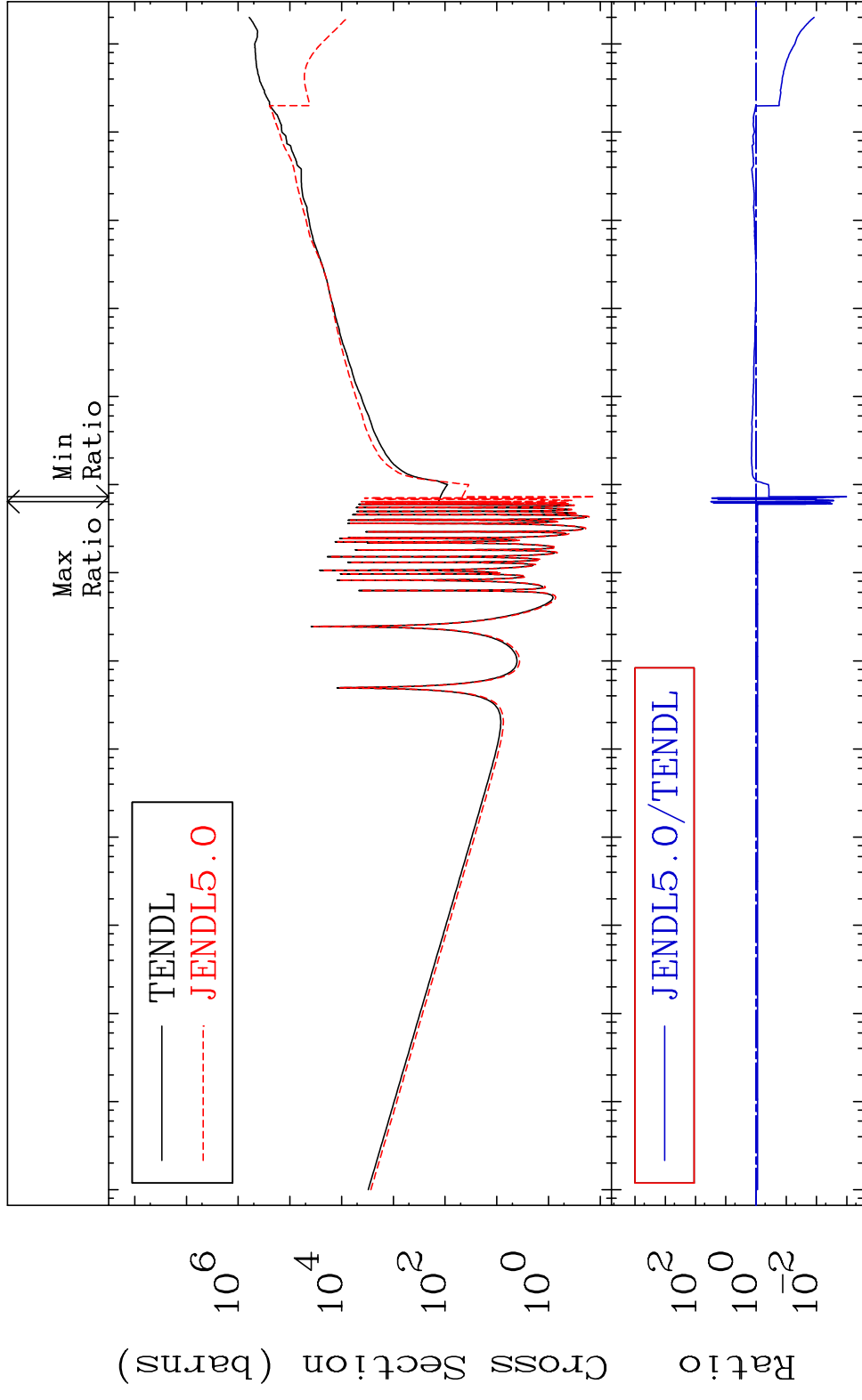
MAT 6931 Total photon (eV-barns) 69-Tm-171  
 Cross Section -99.89 To 3392. %



MAT 6931 Total kinematic kerma (high limit) 69-Tm-171  
 Cross Section -97.54 To 1619. %



MAT 6931      Dpa total (eV-barns)      69-Tm-171  
 Cross Section      -99.90 To 3049. %

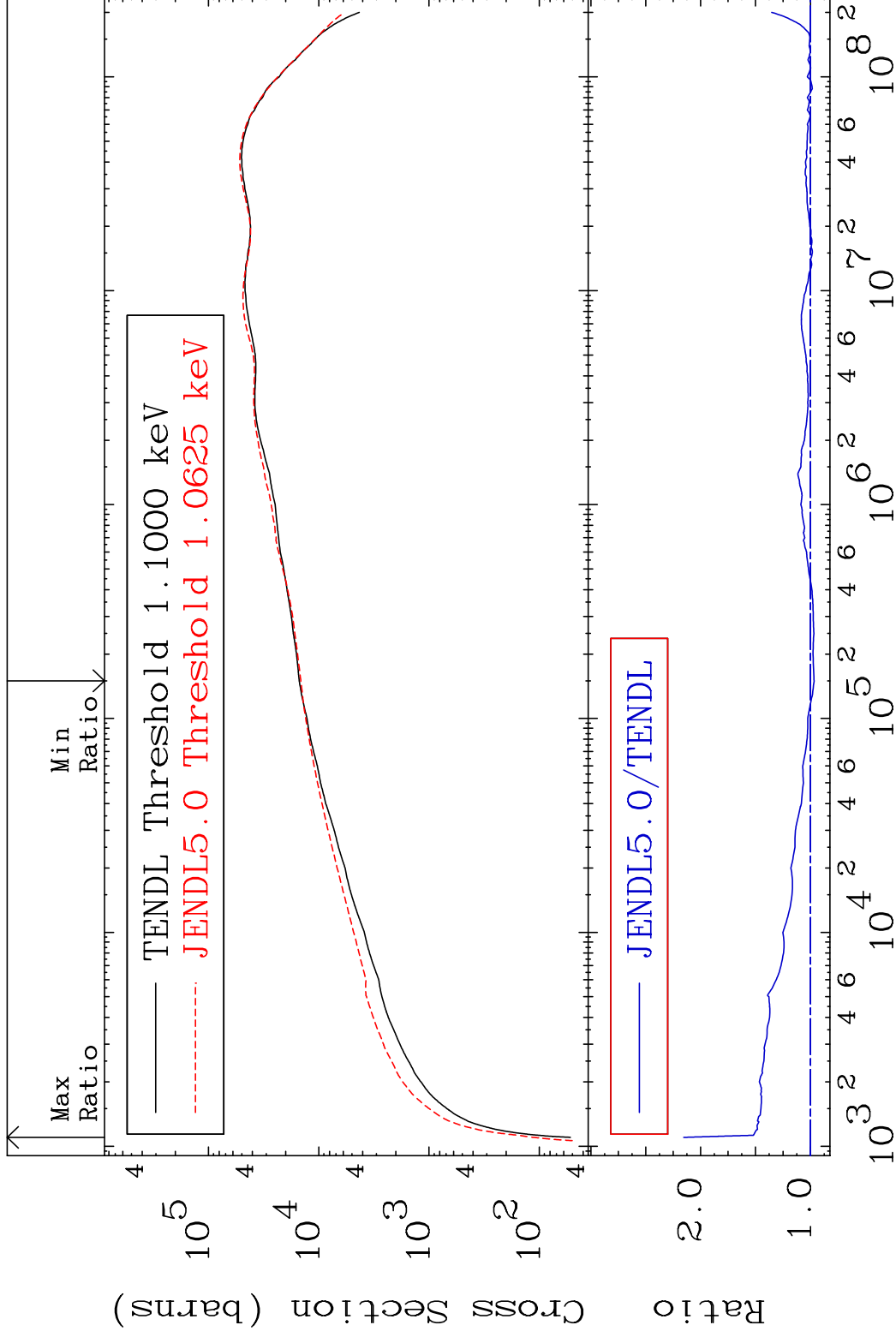


MAT 6931

Dpa elastic (mt2)

69-Tm-171

Cross Section -3.362 To 115.5 %

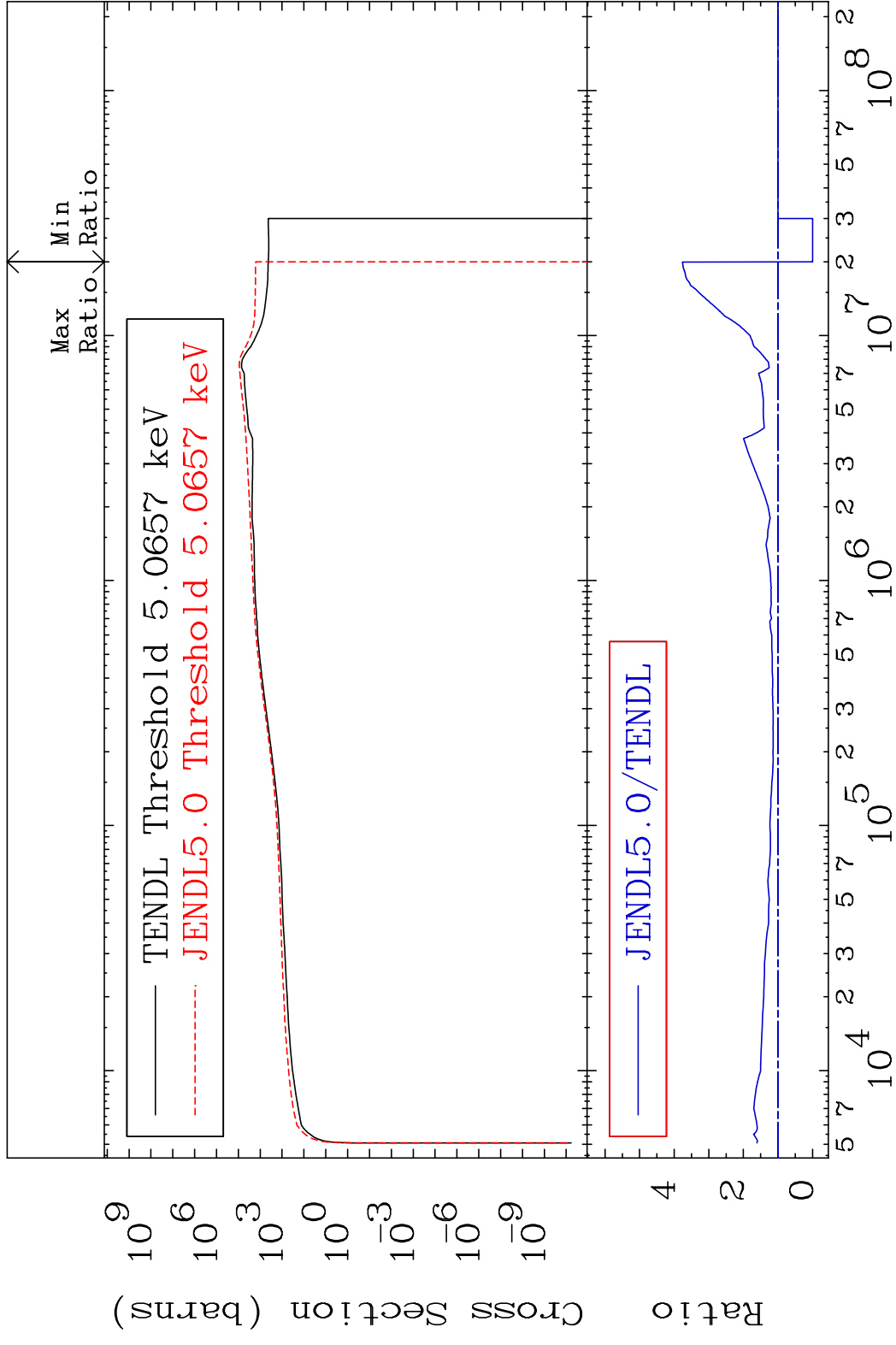


48

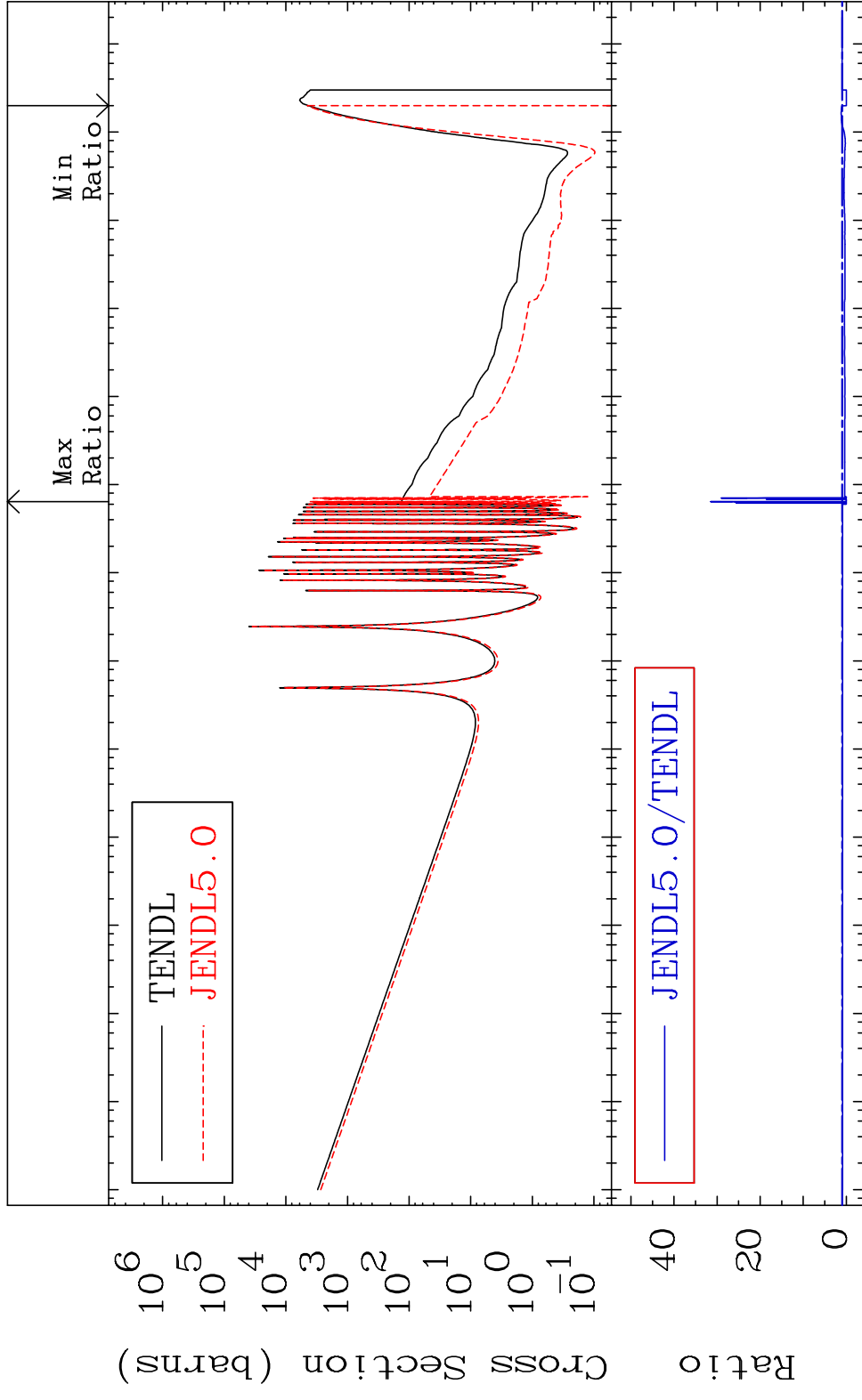
Incident Energy (eV)

69-Tm-171

MAT 6931 Dpa inelastic (mt51-91) 69-Tm-171  
 Cross Section -100.0 To 276.4 %



MAT 6931 Dpa disappearance (mt102 -120) 69-Tm-171  
 Cross Section -100.0 To 3049. %



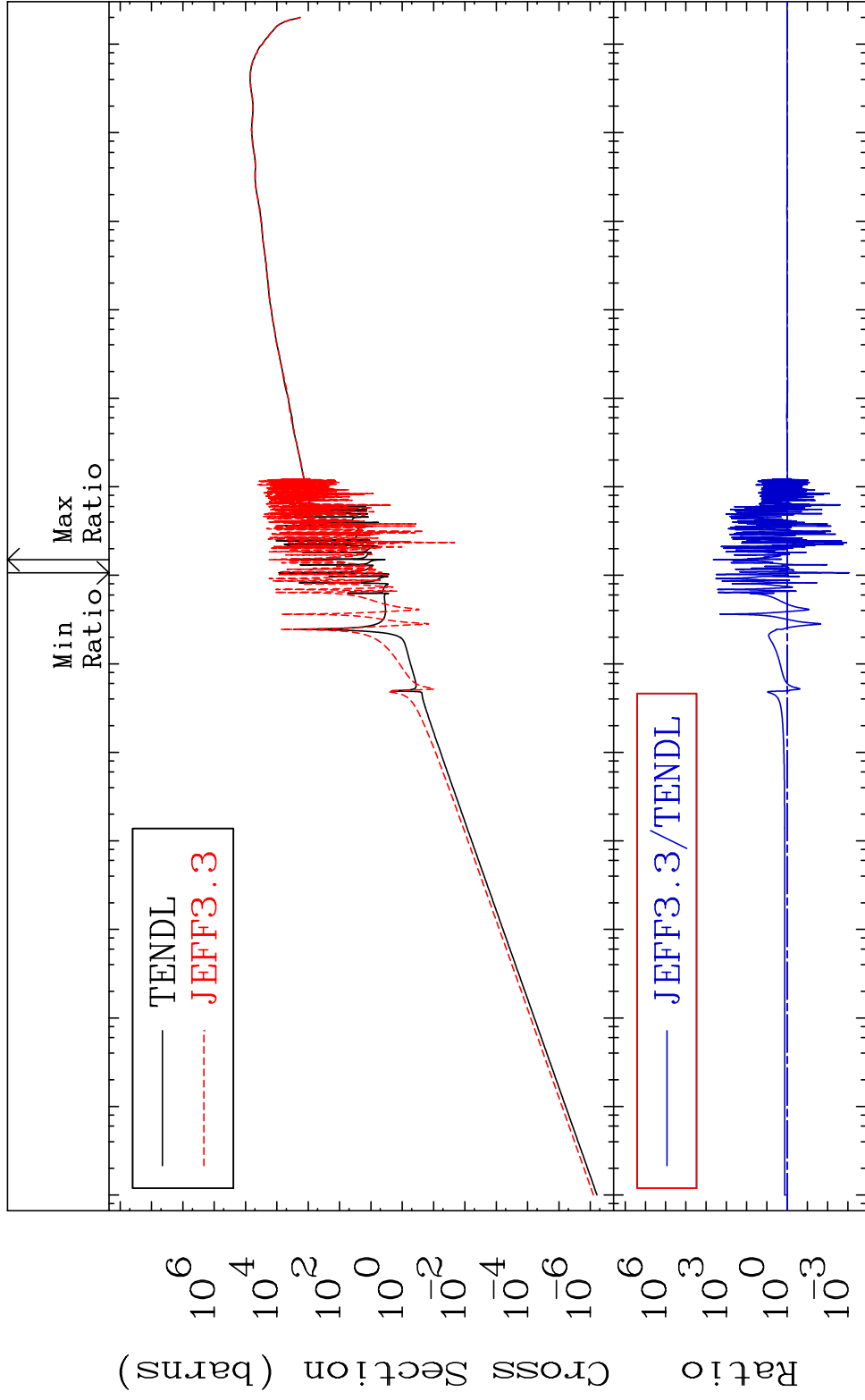
50 Incident Energy (eV) 69-Tm-171

MAT 6931

Kerma elastic

69-Tm-171

Cross Section -99.91 To 9999. %



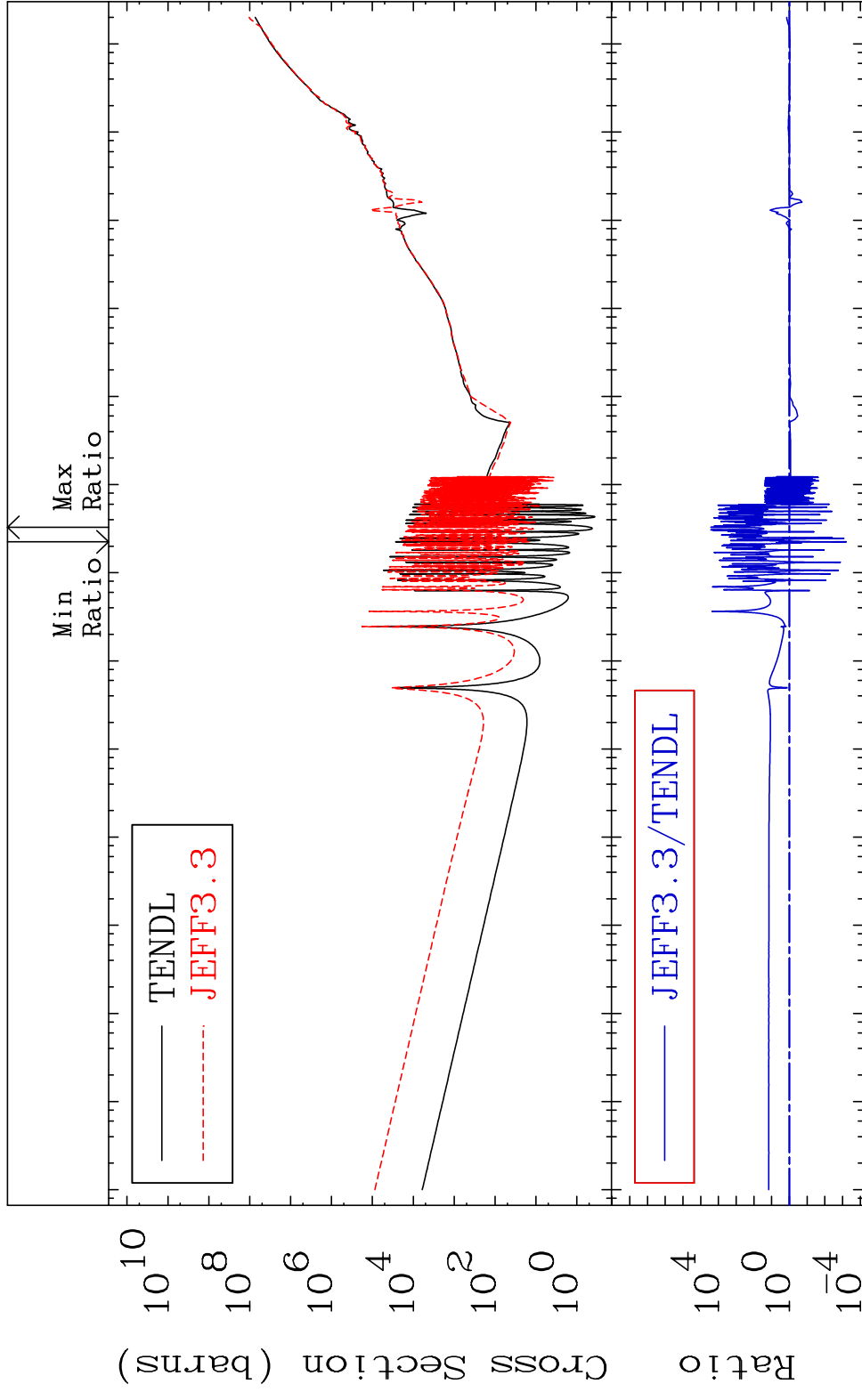
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

51

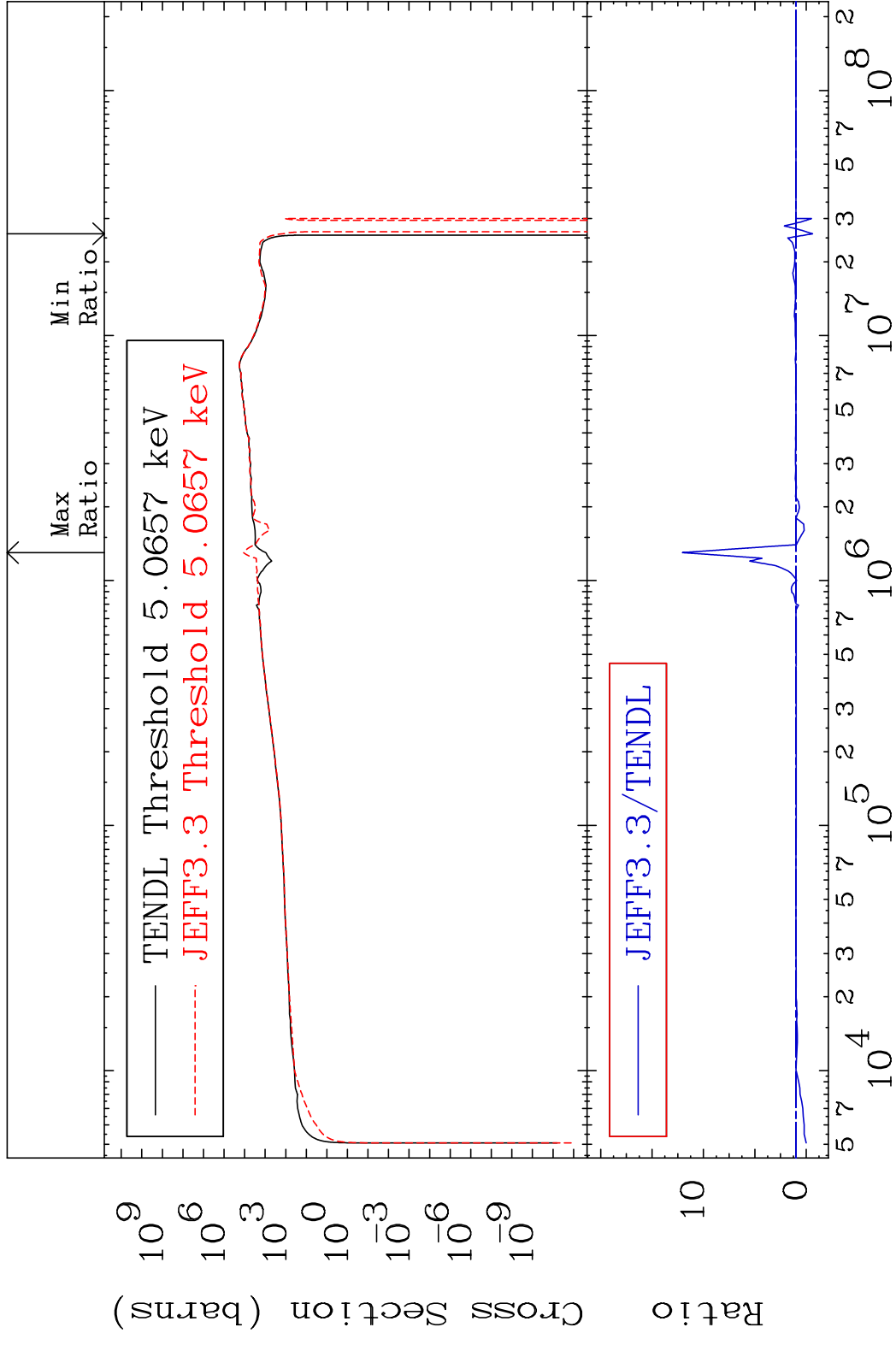
Incident Energy (eV)

69-Tm-171

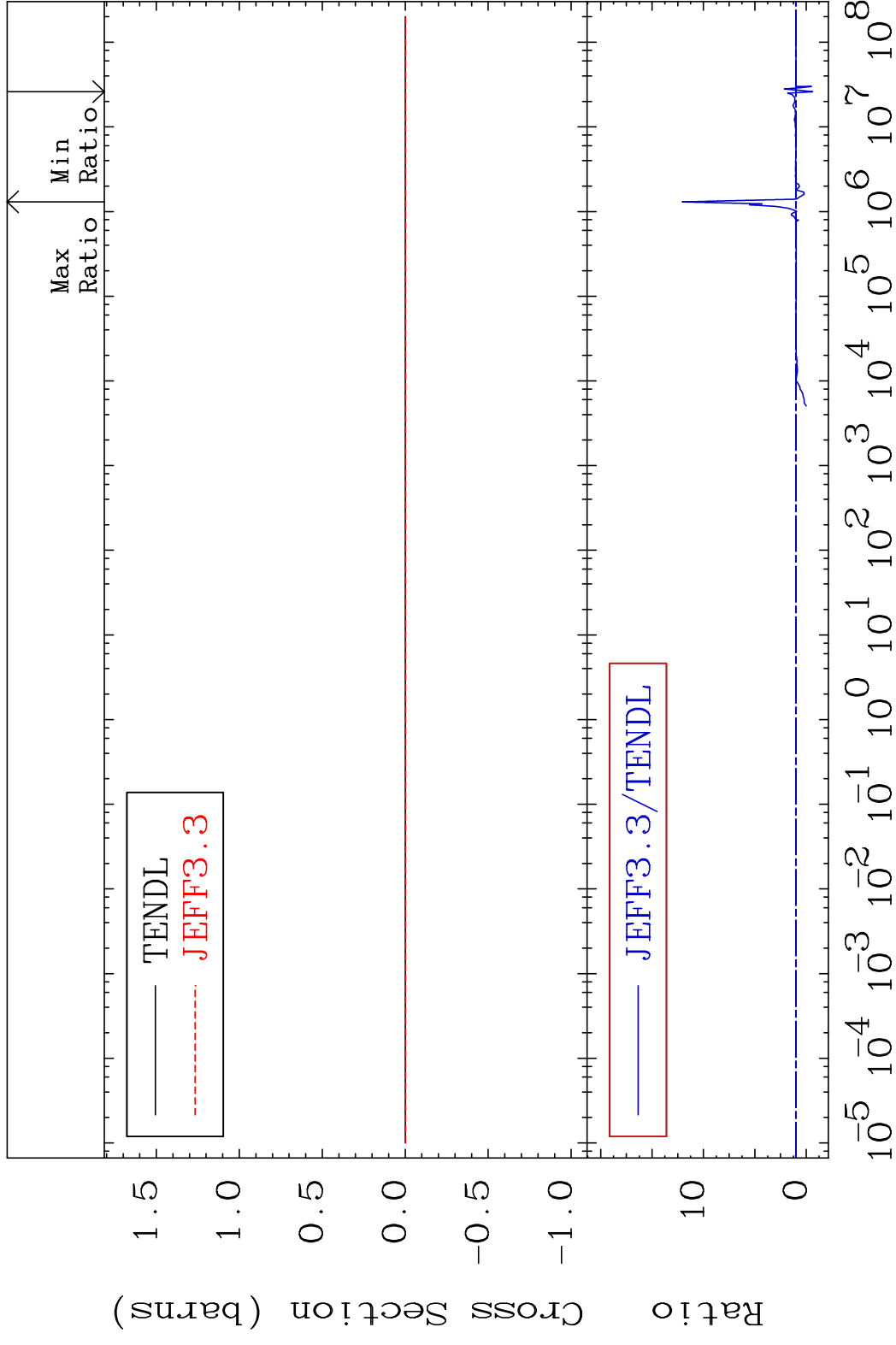
MAT 6931 Kerma non-elastic (all but mt2) 69-Tm-171  
 Cross Section -99.94 To 9999. %



MAT 6931 Kerma inelastic (mt51-91) 69-Tm-171  
 Cross Section -161.8 To 1105. %

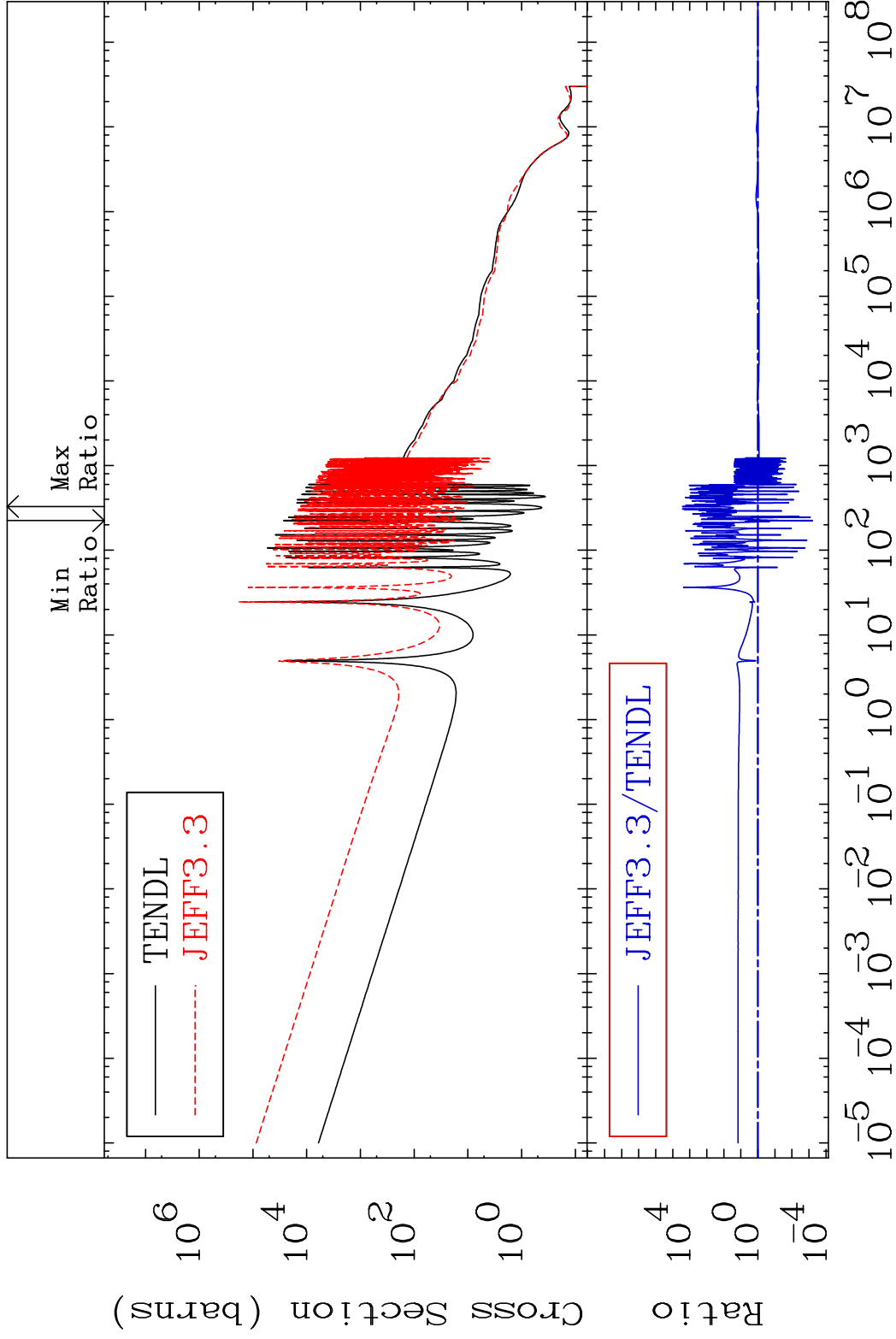


MAT 6931 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-171  
 Cross Section -161.8 To 1105. %



MAT 6931

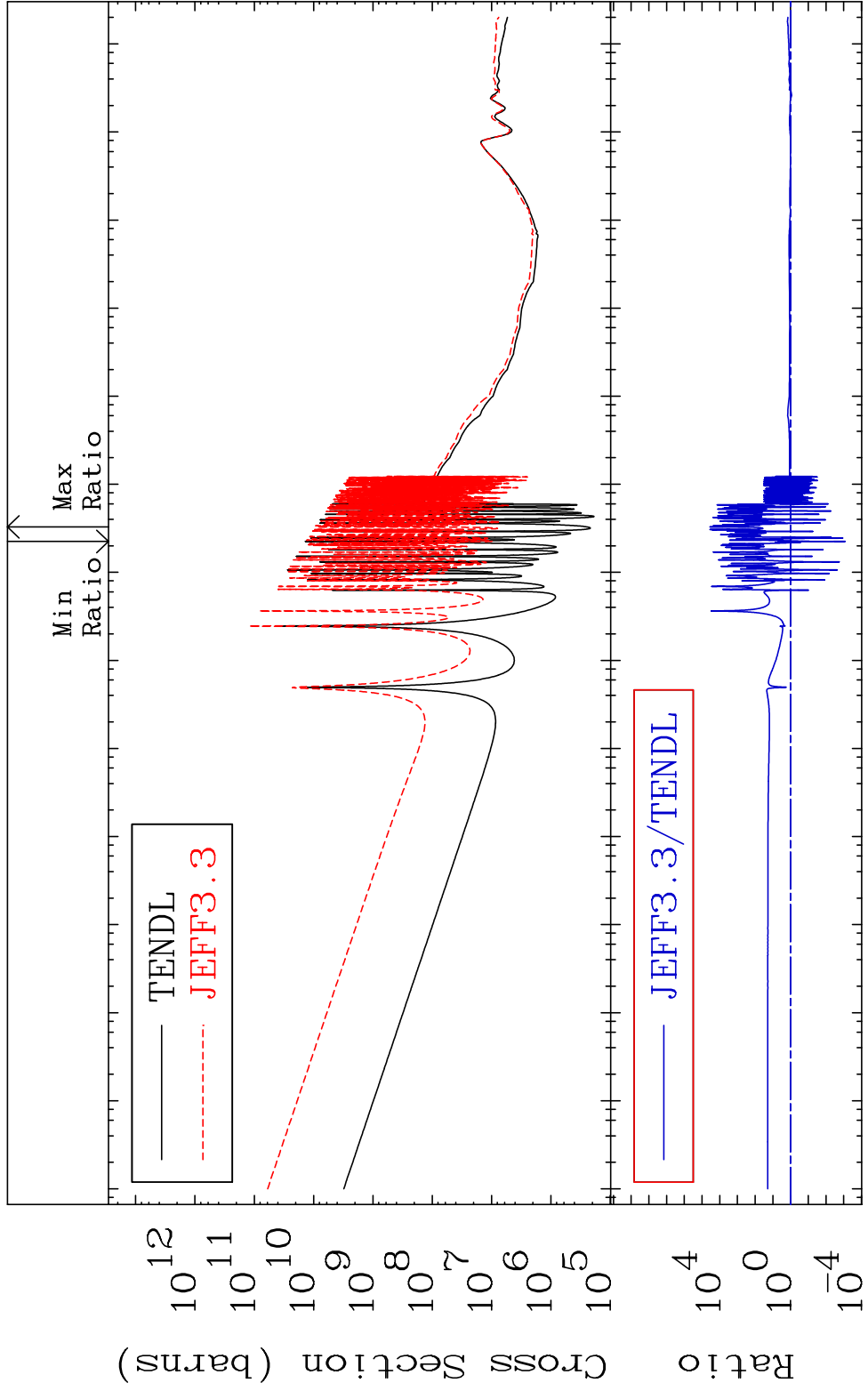
Kerma capture (mt102) 69-Tm-171  
Cross Section -99.94 To 9999. %



55

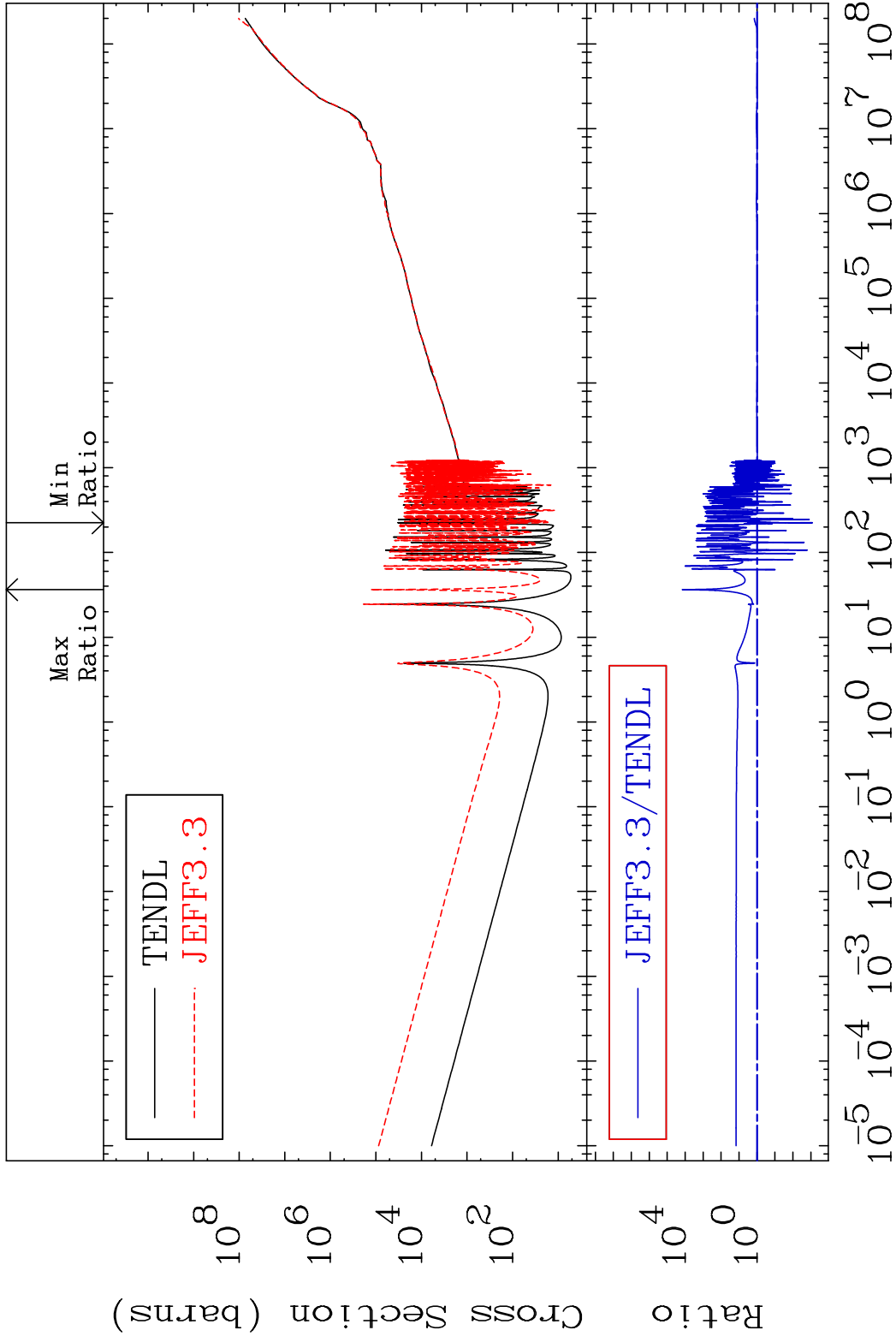
Incident Energy (eV) 69-Tm-171

MAT 6931 Total photon (eV-barns) 69-Tm-171  
 Cross Section -99.92 To 9999. %

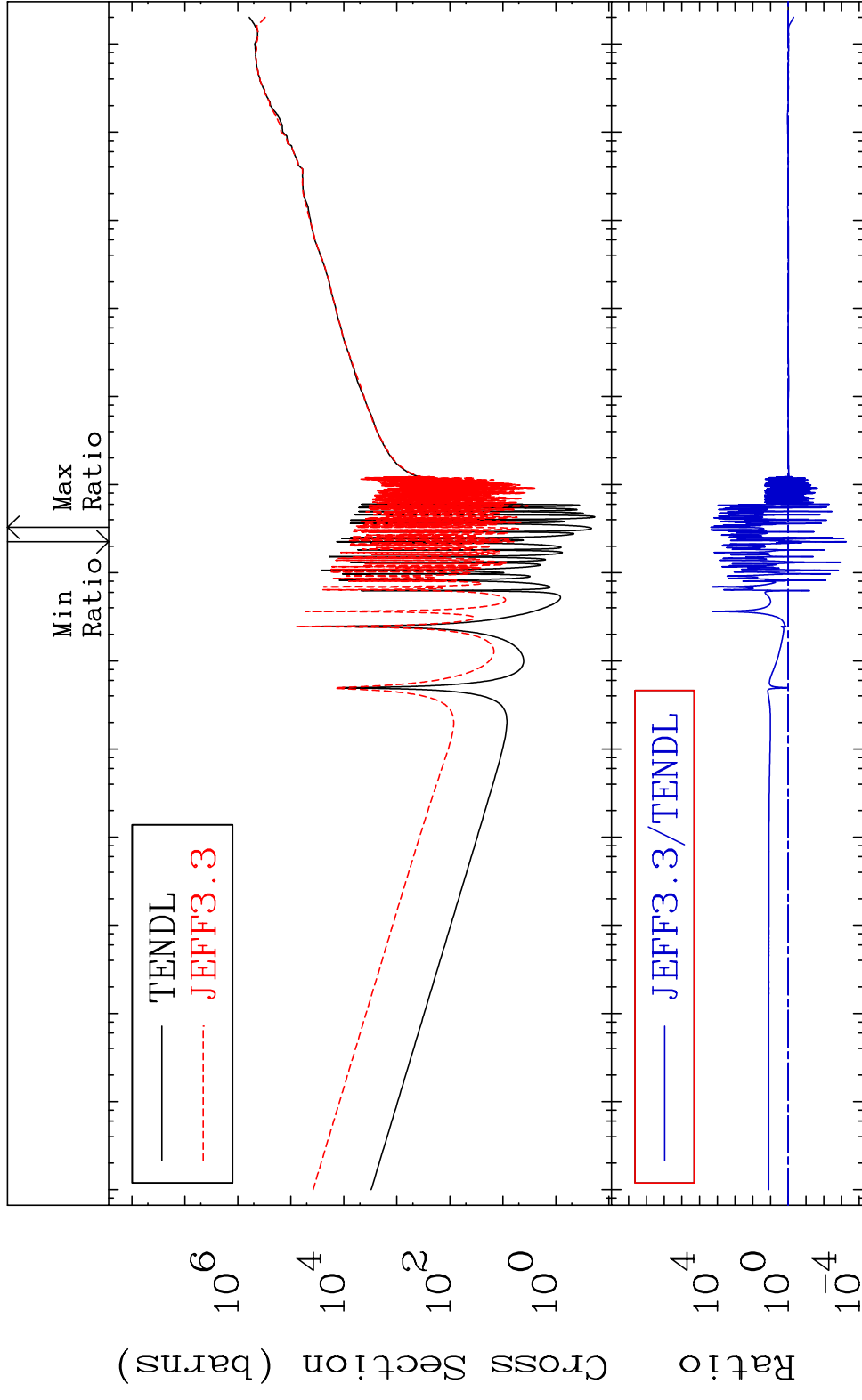


56 Incident Energy (eV) 69-Tm-171

MAT 6931 Total kinematic kerma (high limit) 69-Tm-171  
 Cross Section -99.92 To 9999. %



MAT 6931      Dpa total (eV-barns)      69-Tm-171  
 Cross Section      -99.95 To 9999. %

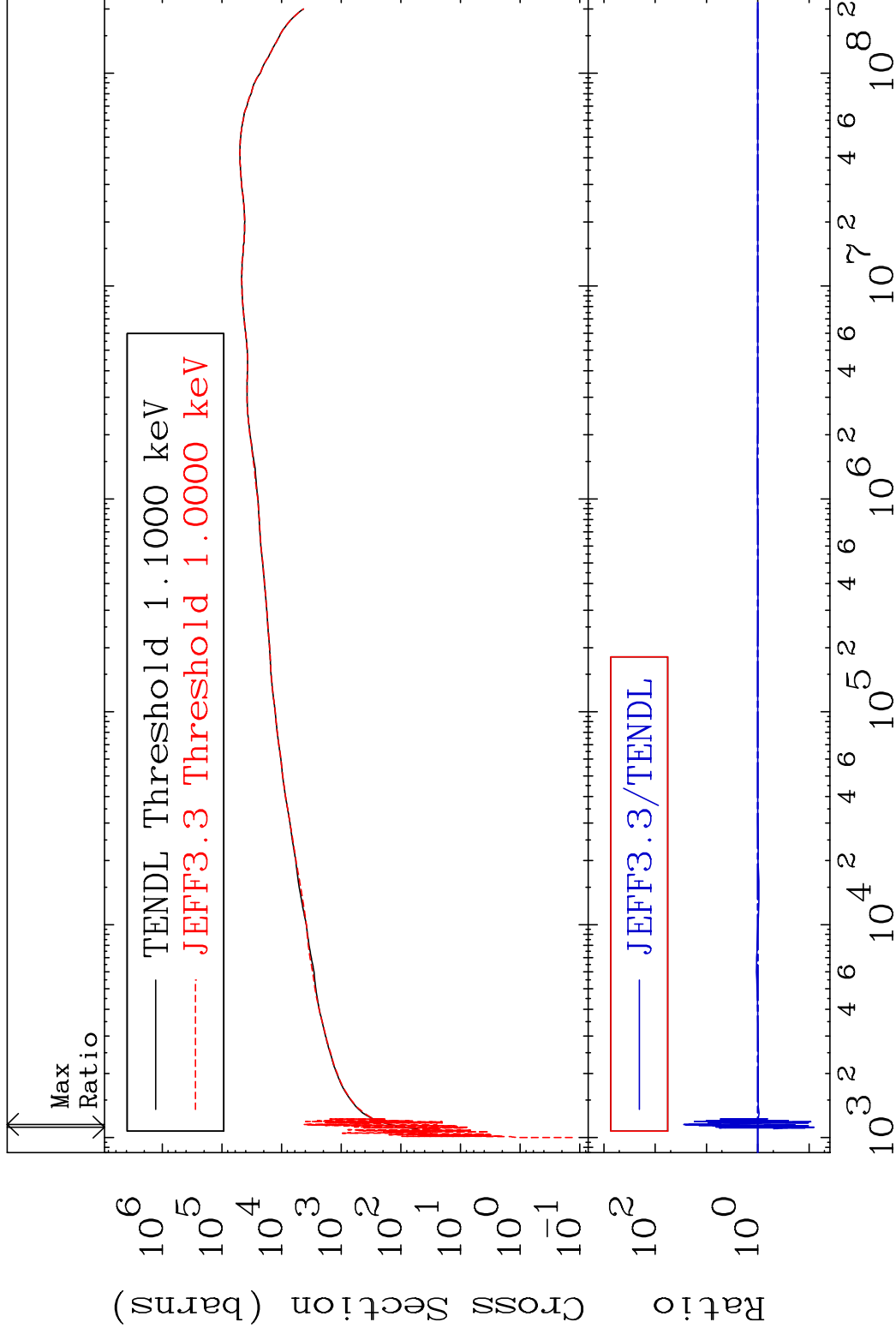


MAT 6931

Dpa elastic (mt2)

69-Tm-171

Cross Section -92.03 To 2685. %



59

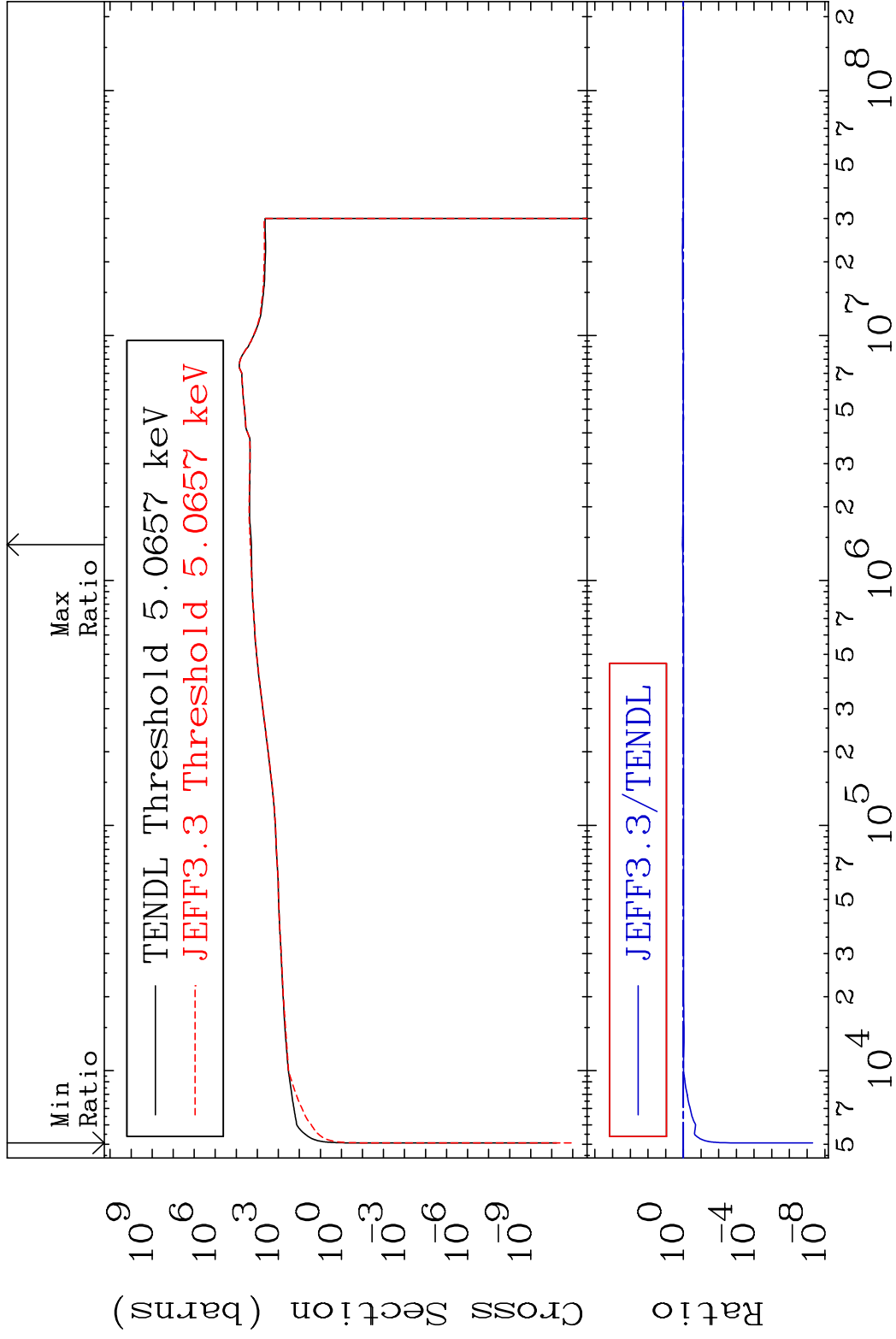
Incident Energy (eV)

69-Tm-171

MAT 6931

Dpa inelastic (mt51-91) 69-Tm-171

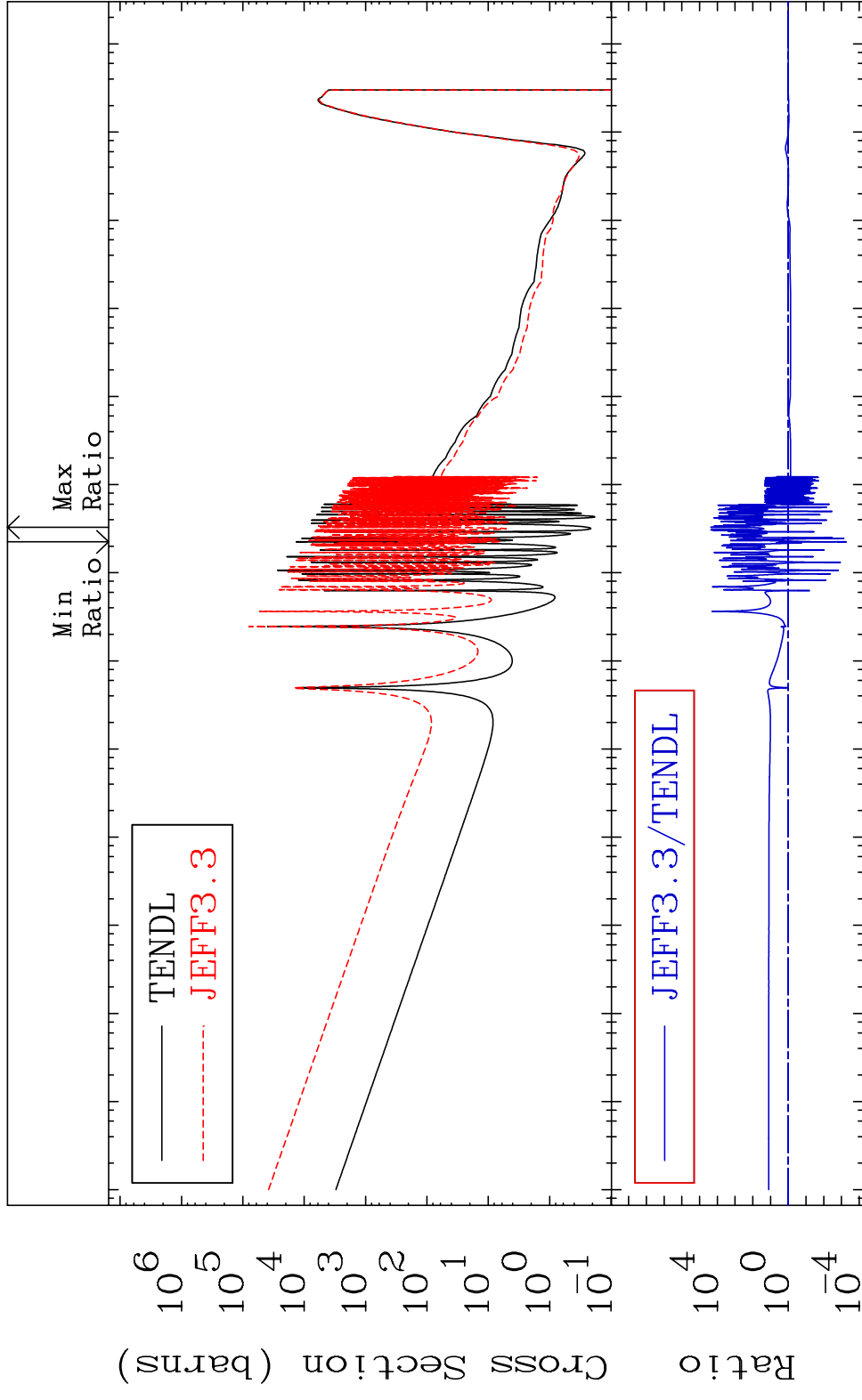
Cross Section -100.0 To 13.82 %



60

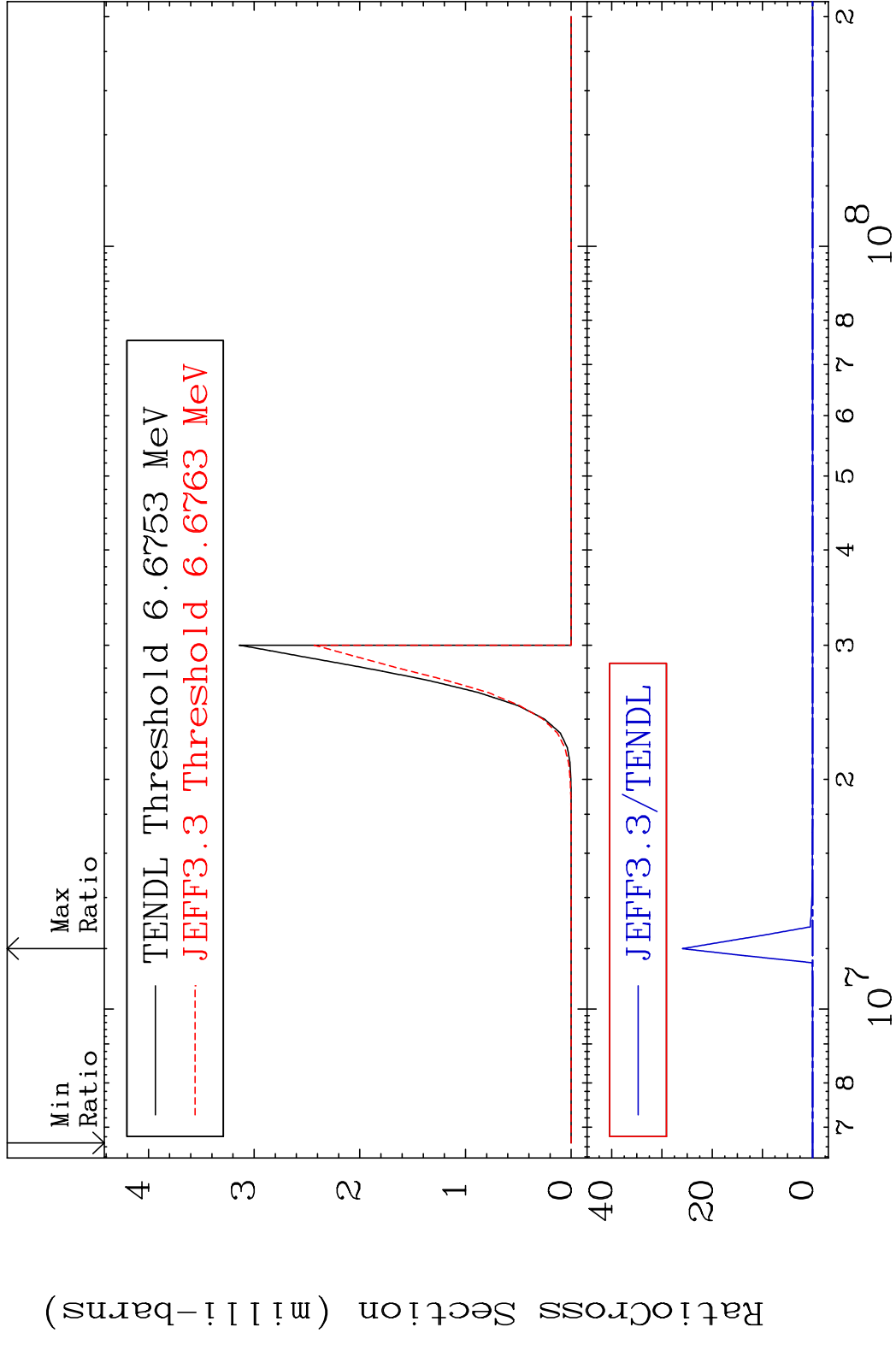
Incident Energy (eV) 69-Tm-171

MAT 6931 Dpa disappearance (mt102 -120) 69-Tm-171  
 Cross Section -99.95 To 9999. %

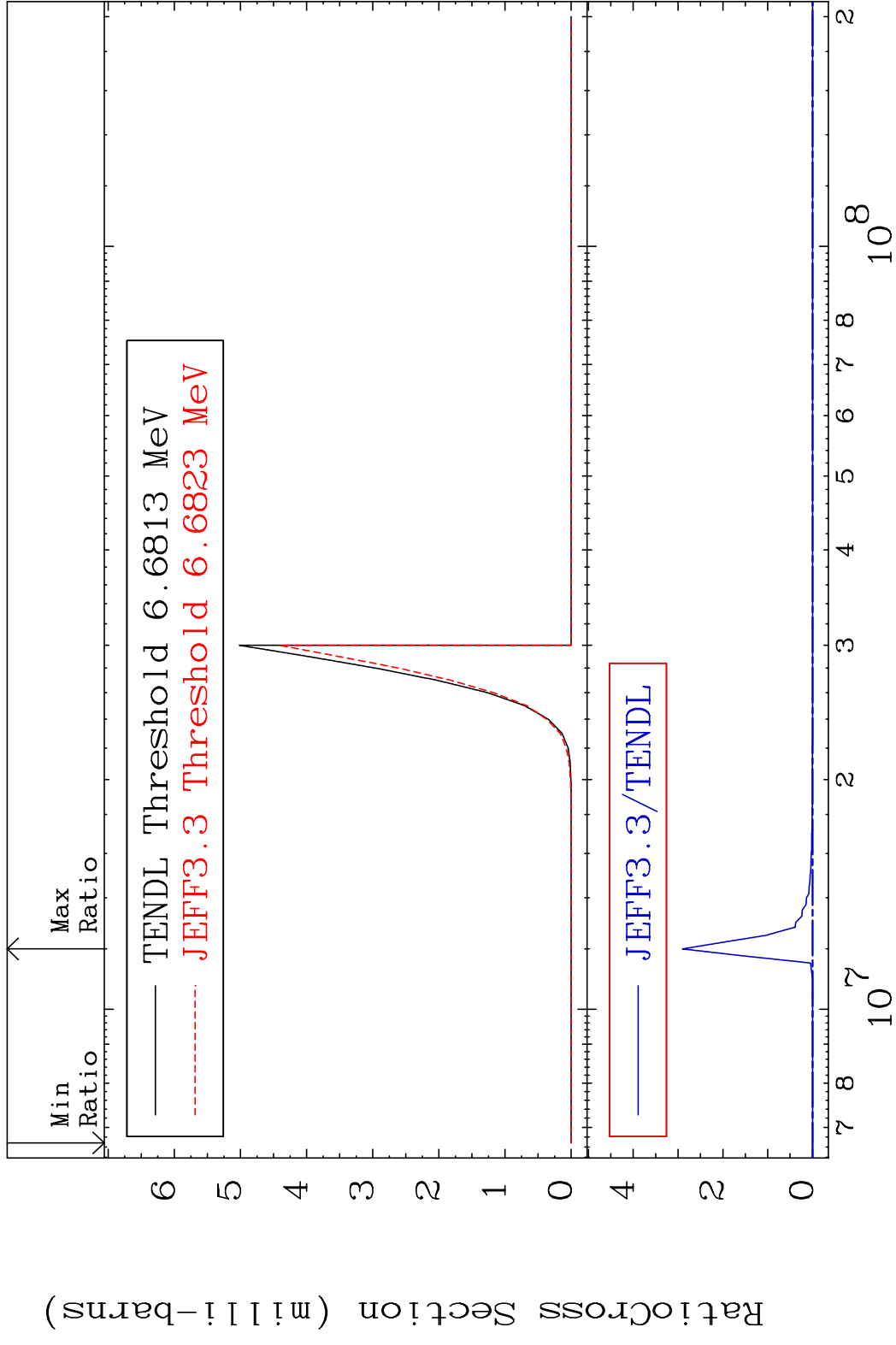


61 Incident Energy (eV) 69-Tm-171

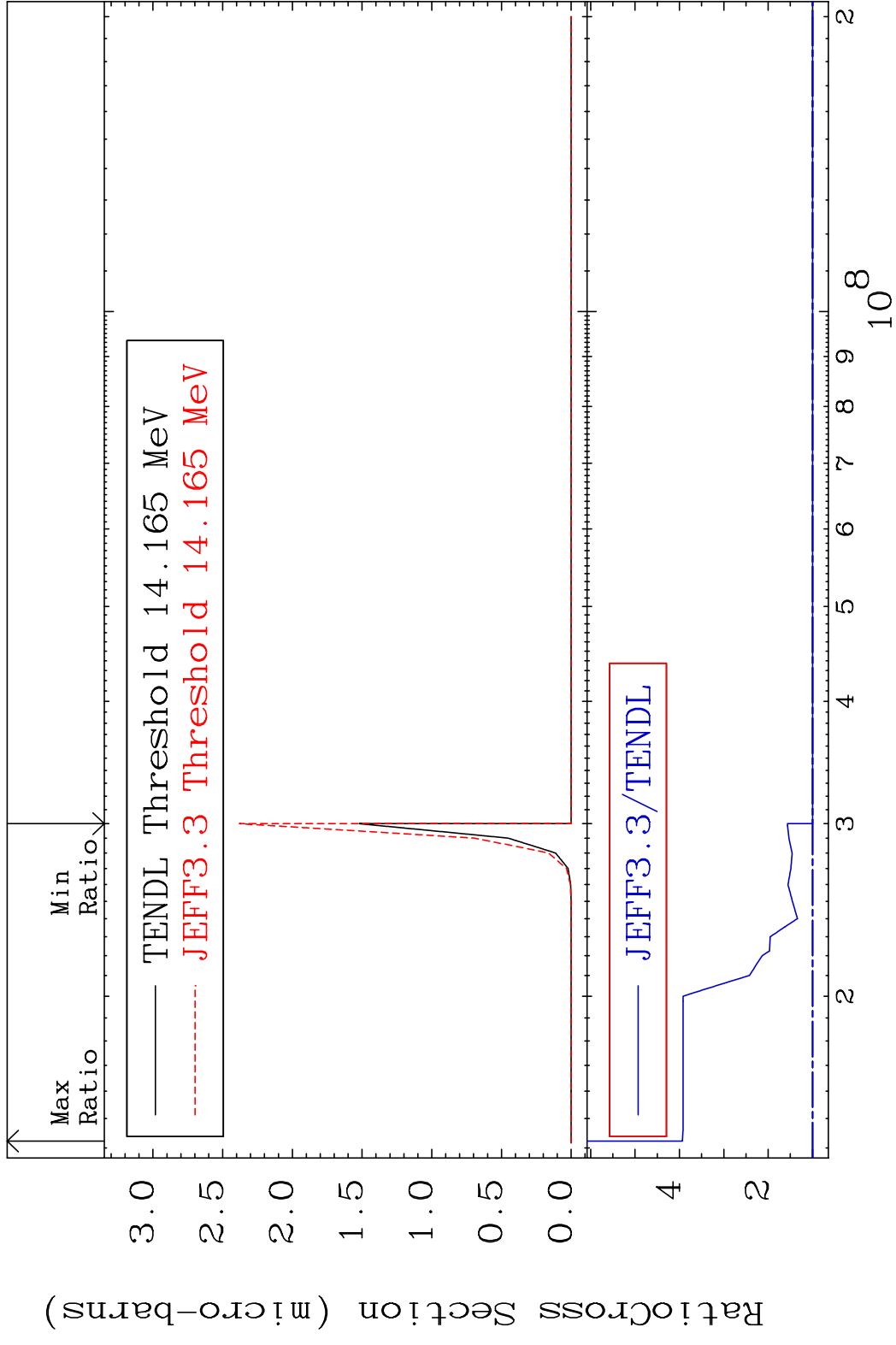
MAT 6931 (n,2n)  $\alpha$ :67-Ho-166g 69-Tm-171  
 Radionuclide Production Cross Section to 9999. %

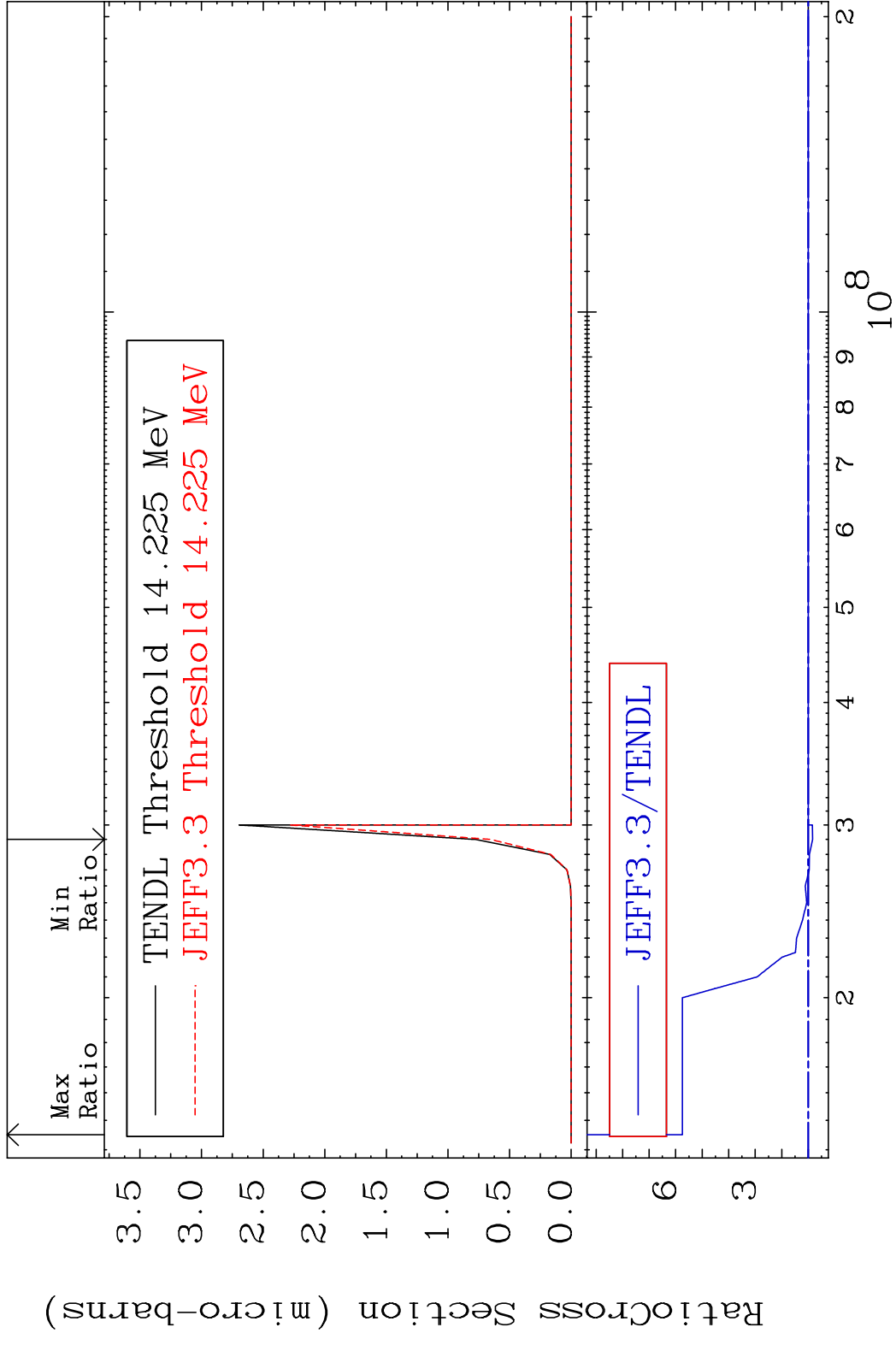


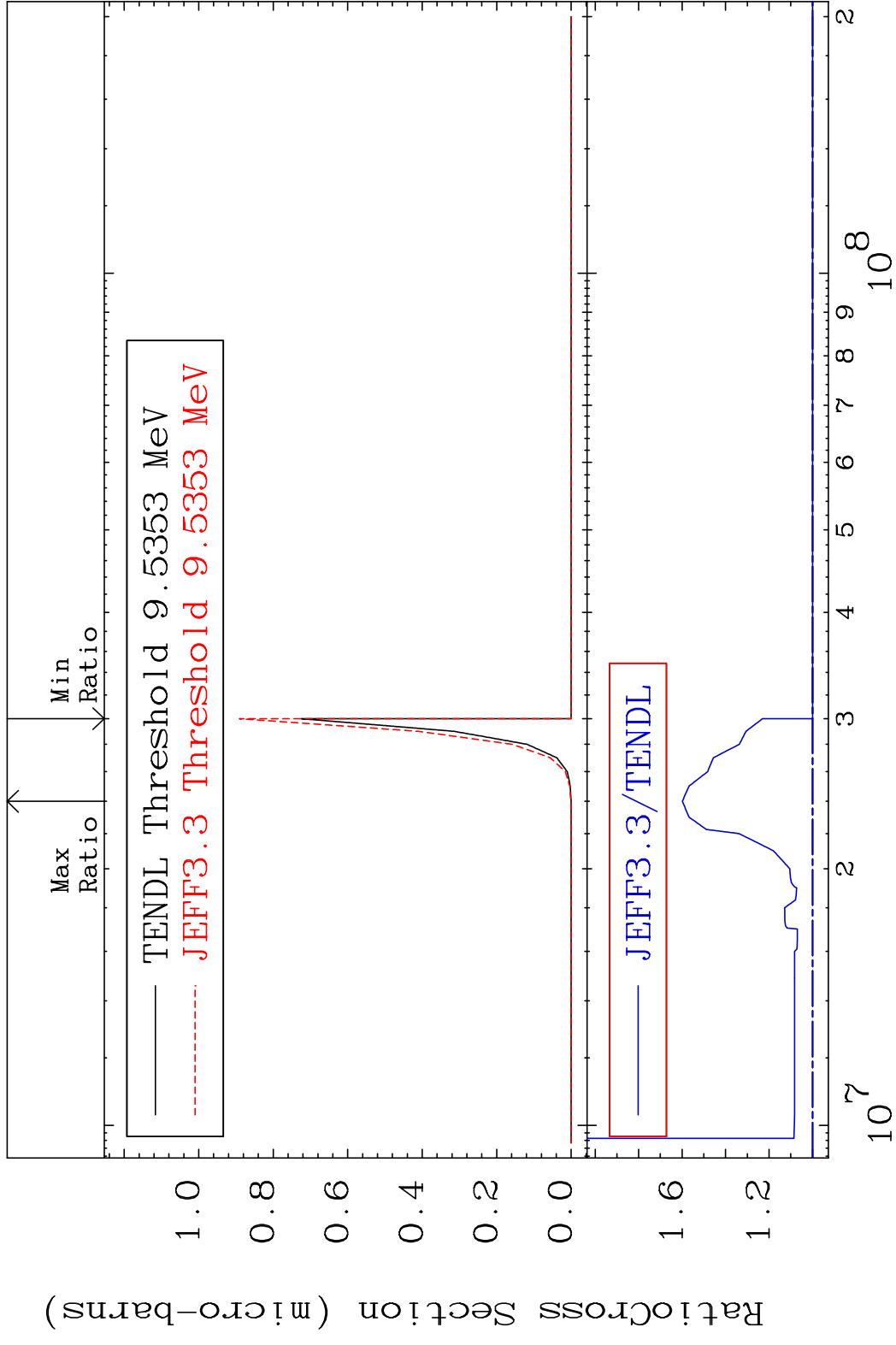
MAT 6931 (n,2n)  $\alpha$ :67-Ho-166m1 69-Tm-171  
 Radionuclide Production Cross Section Ratio 9999. %



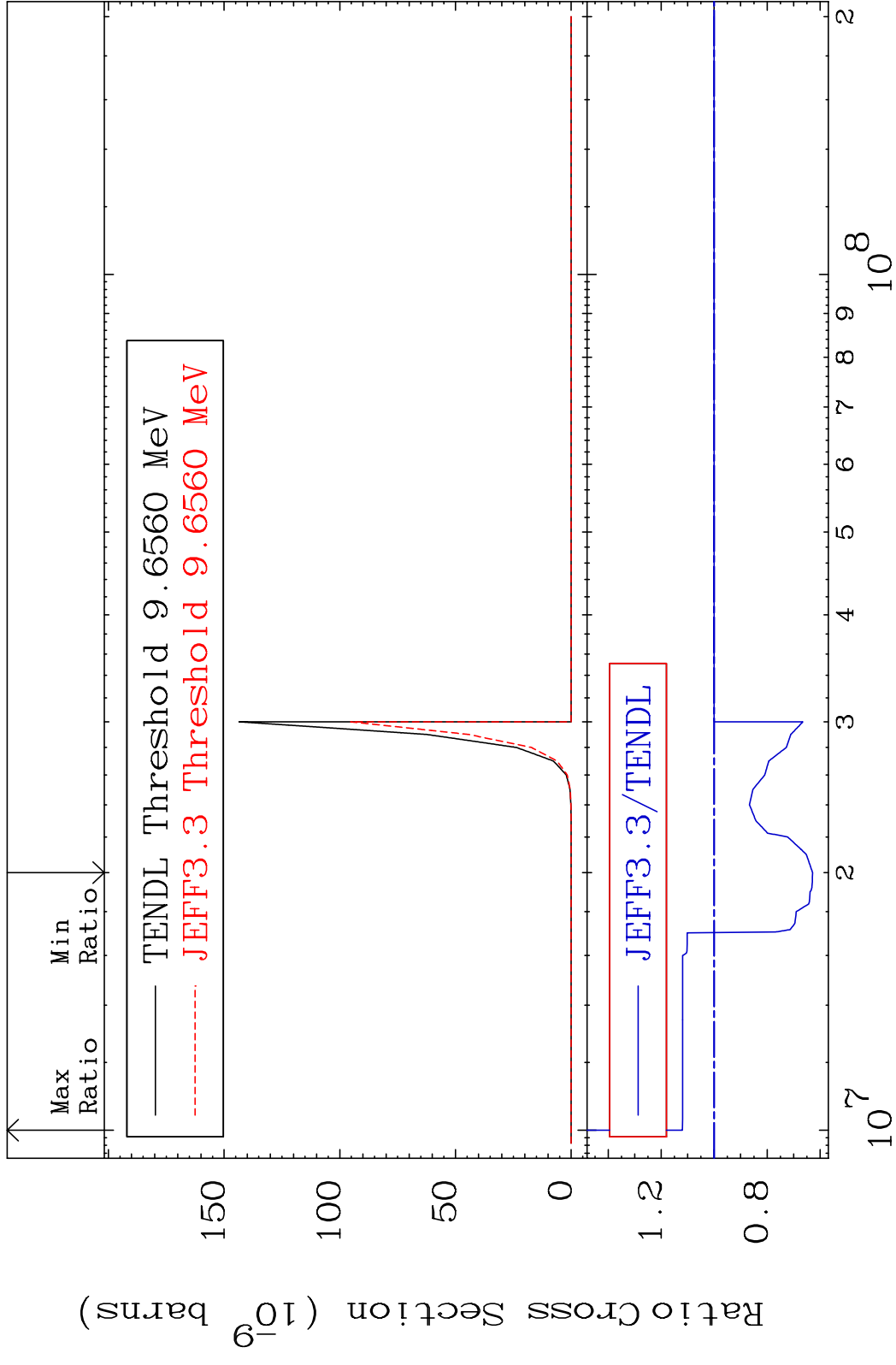
MAT 6931 (n, n') He-3:67-Ho-168g 69-Tm-171  
 Radionuclide Production Cross Section 293.4 %







MAT 6931 (n, 2p): 67-Ho-170m1 69-Tm-171  
 Radionuclide Production Cross Section 12.02 %



67 69-Tm-171