

Program Complot  
(Version 2021-1)

by

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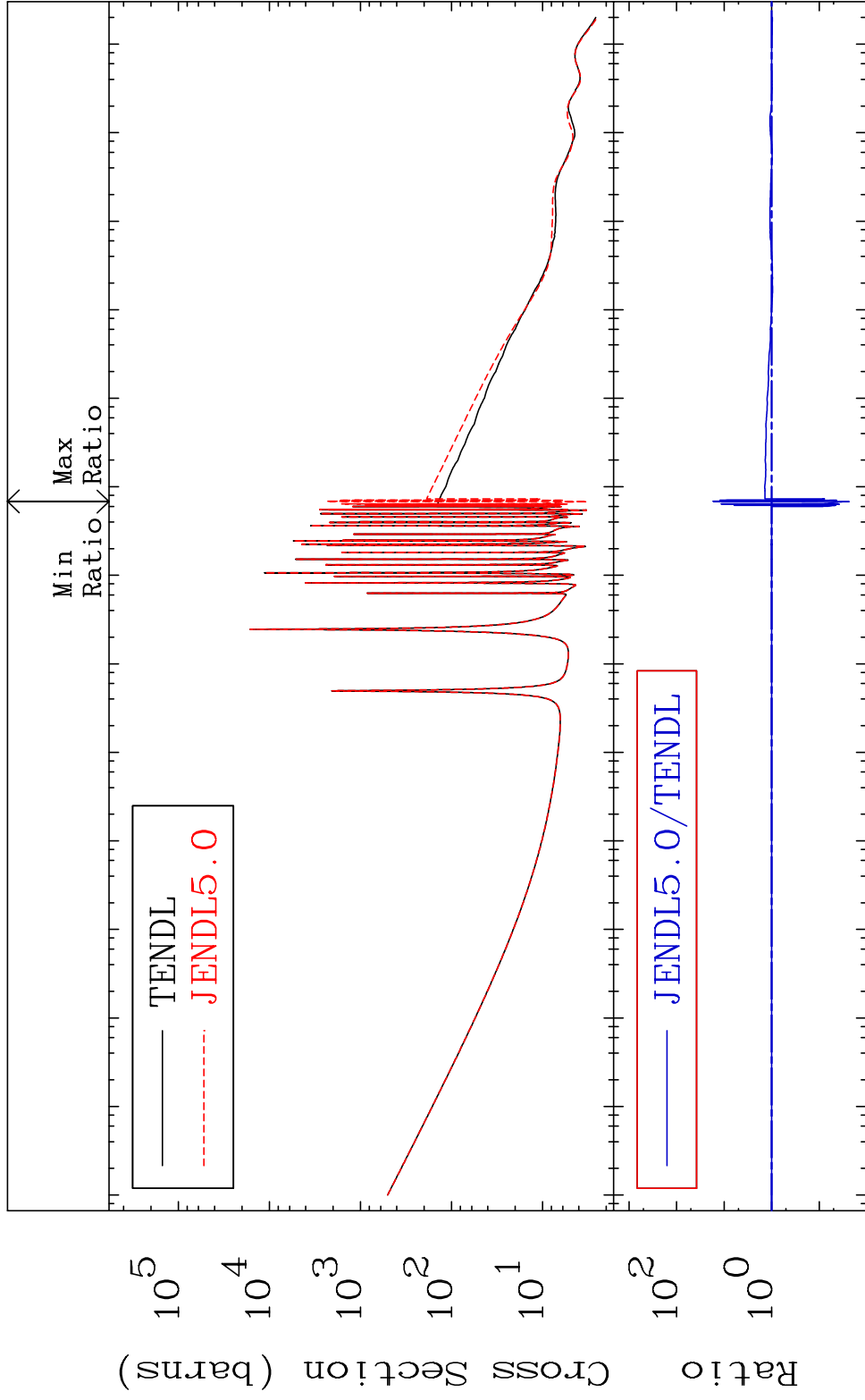
Press Mouse Button to Start

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>

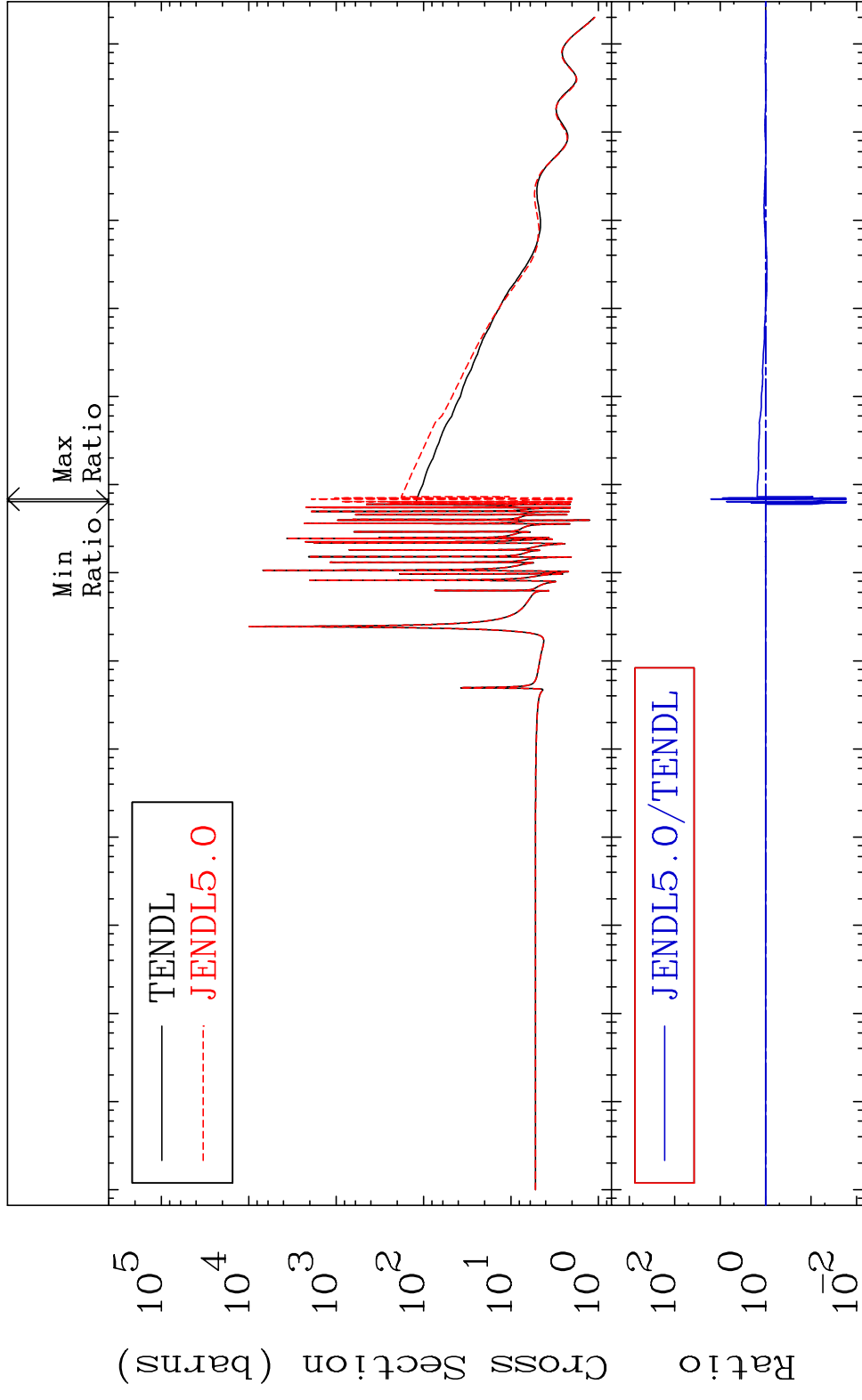
1 Incident Energy (eV) 69-Tm-171

MAT 6931

Elastic

69-Tm-171

Cross Section -98.32 To 1513. %

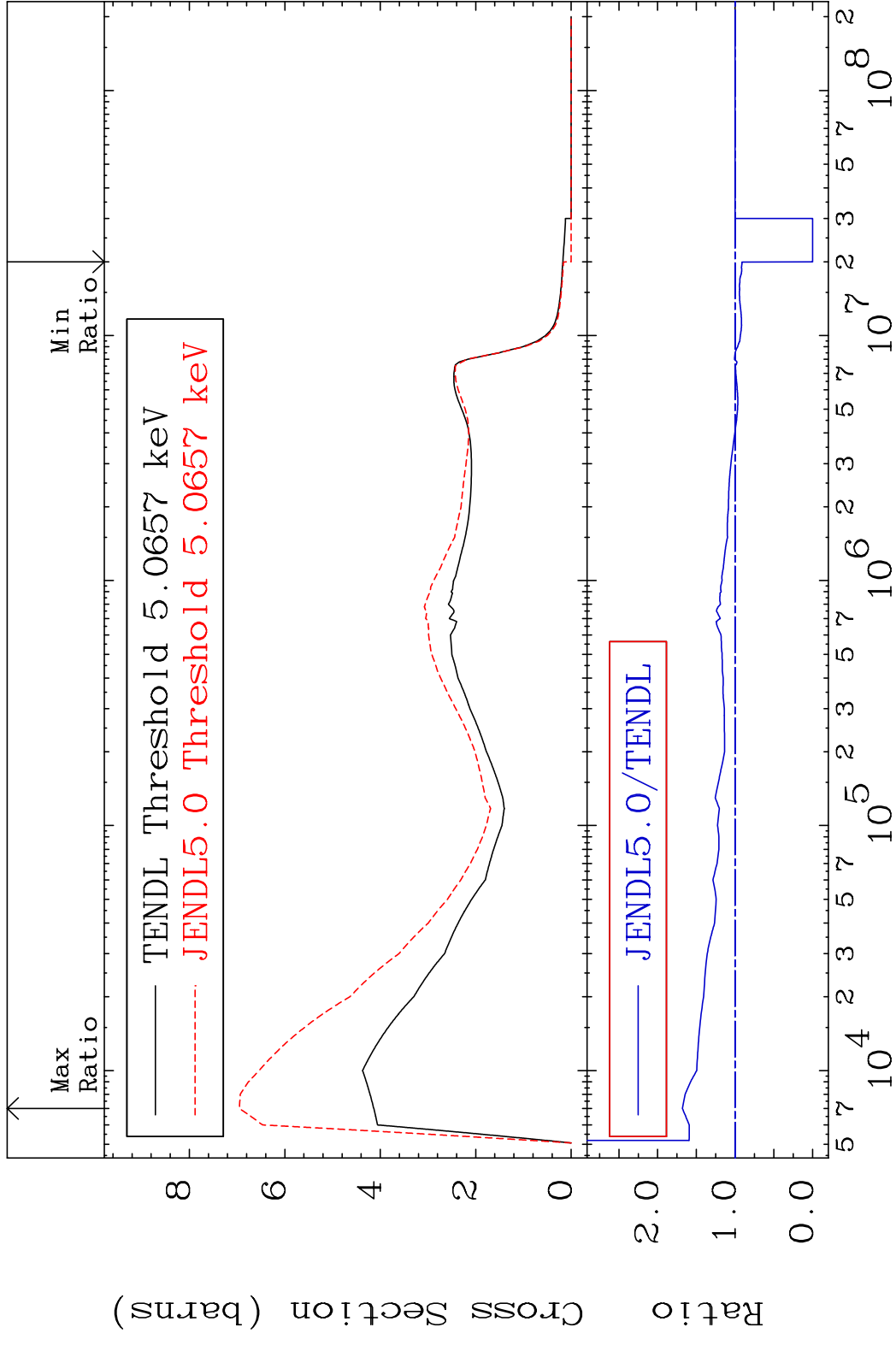


2

Incident Energy (eV)

69-Tm-171

MAT 6931 Inelastic Cross Section -100.0 To 68.09 % 69-Tm-171



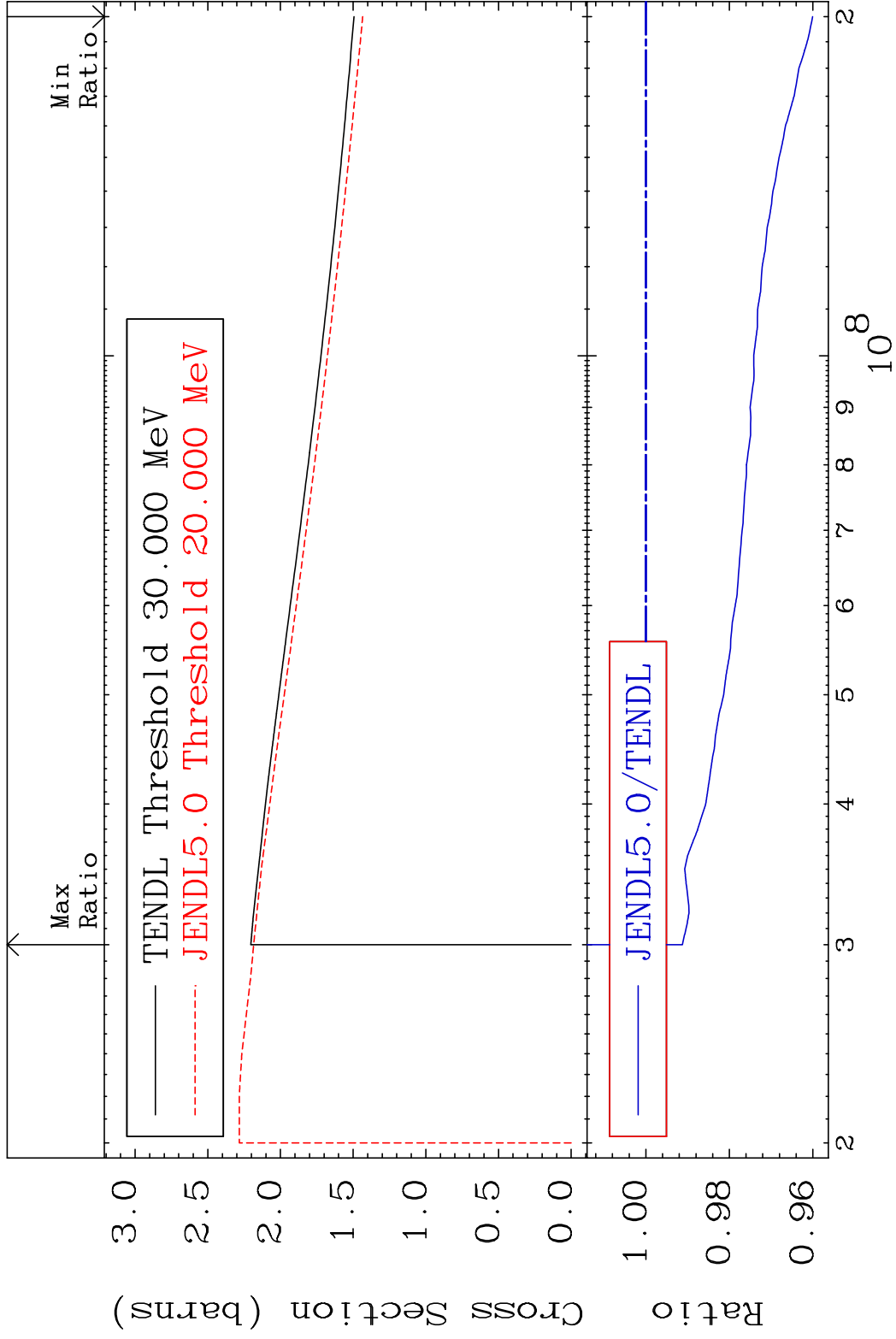
3 Incident Energy (eV) 69-Tm-171

MAT 6931

(n, remainder)

69-Tm-171

Cross Section -3.993 To -0.874%



4

Incident Energy (eV)

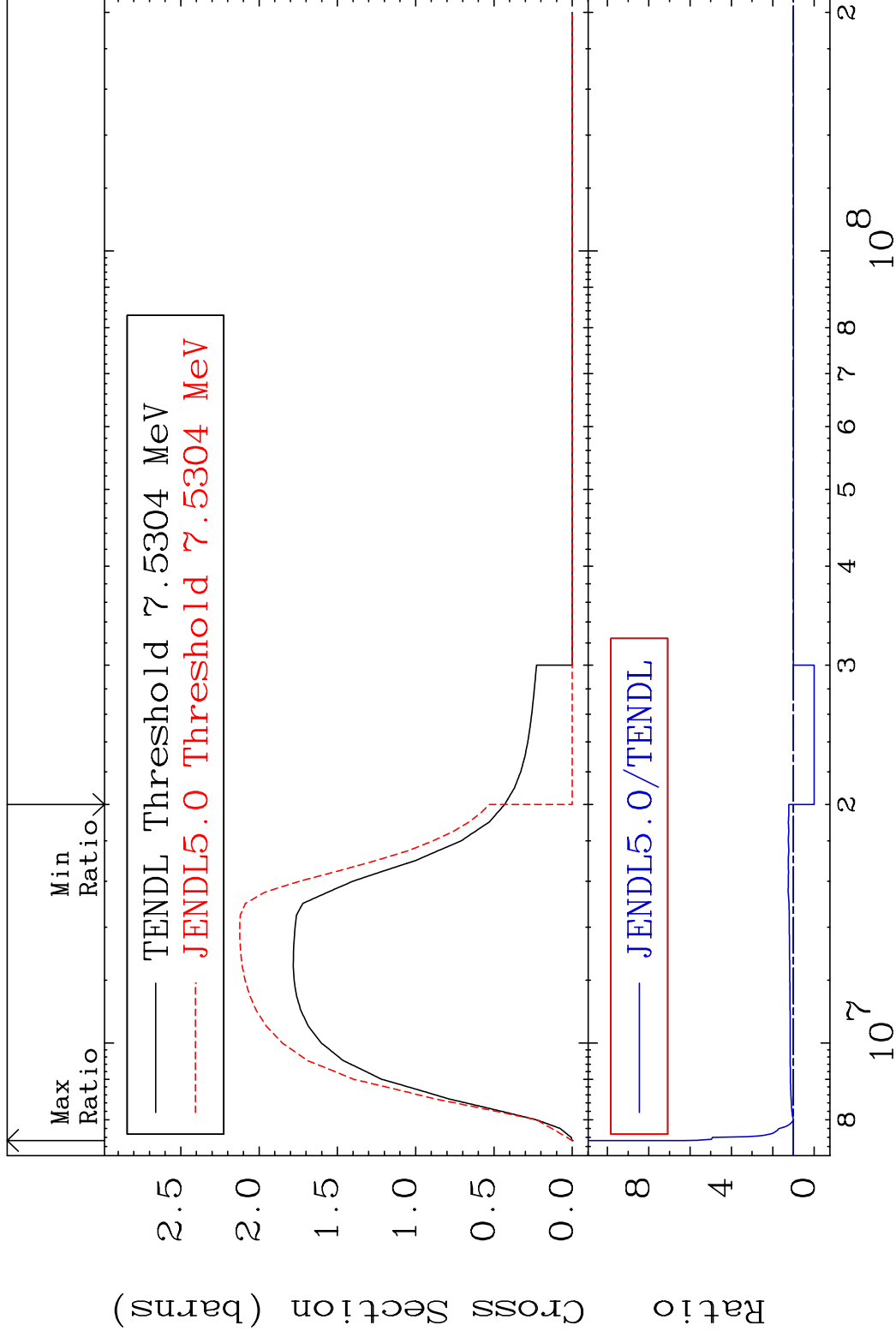
69-Tm-171

MAT 6931

(n,2n)

69-Tm-171

Cross Section -100.0 To 531.1 %



5

Incident Energy (eV)

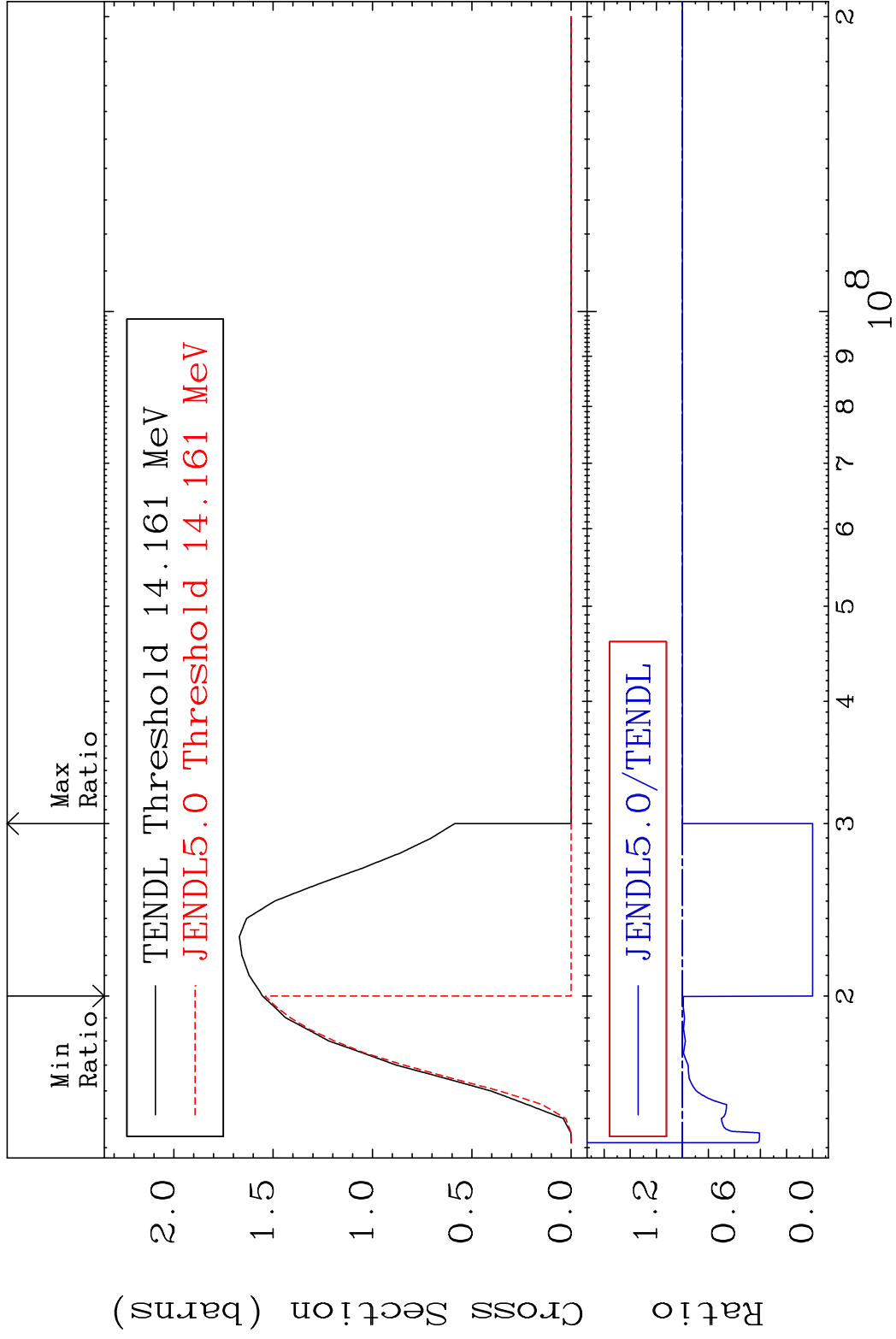
69-Tm-171

MAT 6931

(n,3n)

69-Tm-171

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

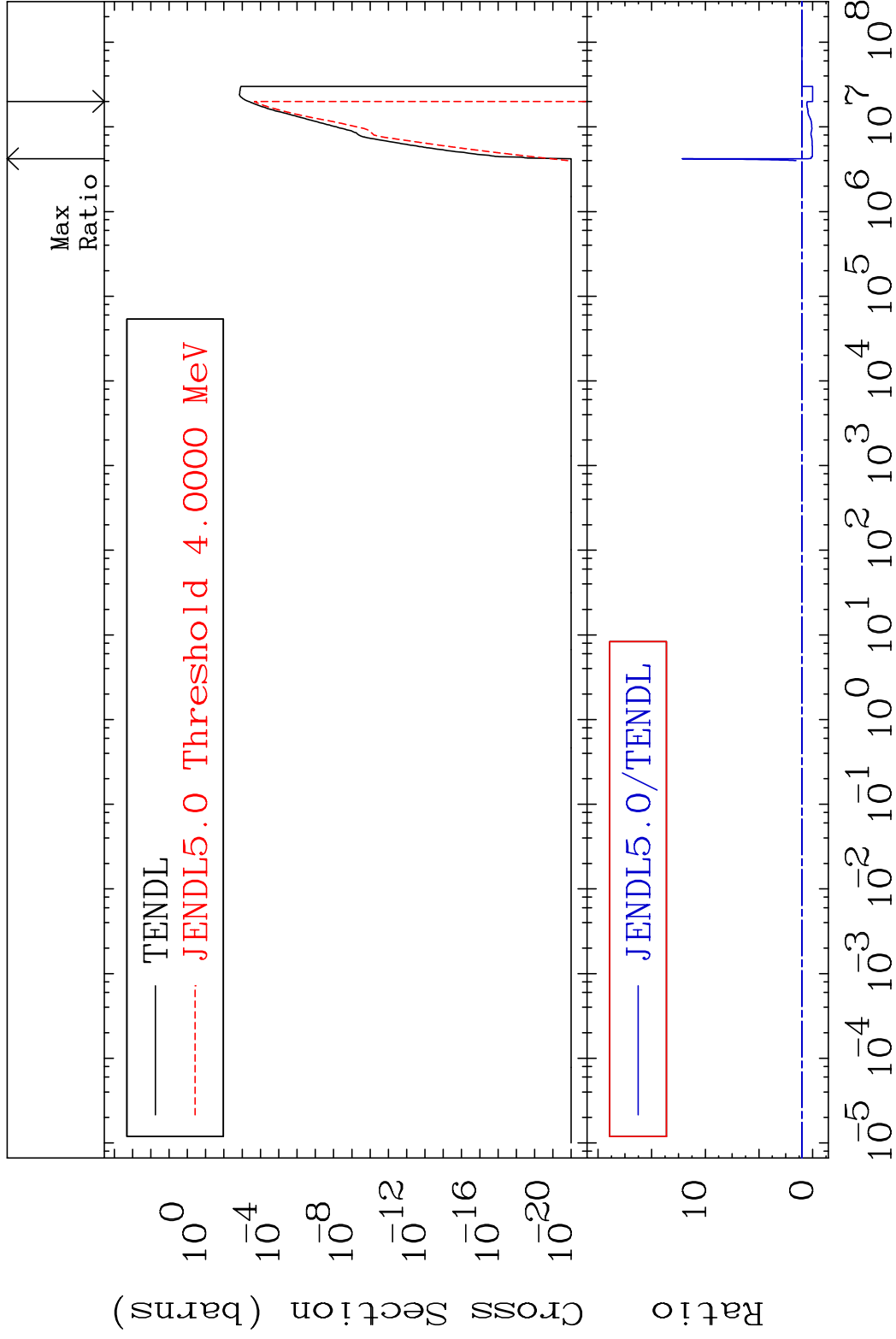
69-Tm-171

MAT 6931

(n, n')  $\alpha$

69-Tm-171

Cross Section -100.0 To 1114. %



7

Incident Energy (eV)

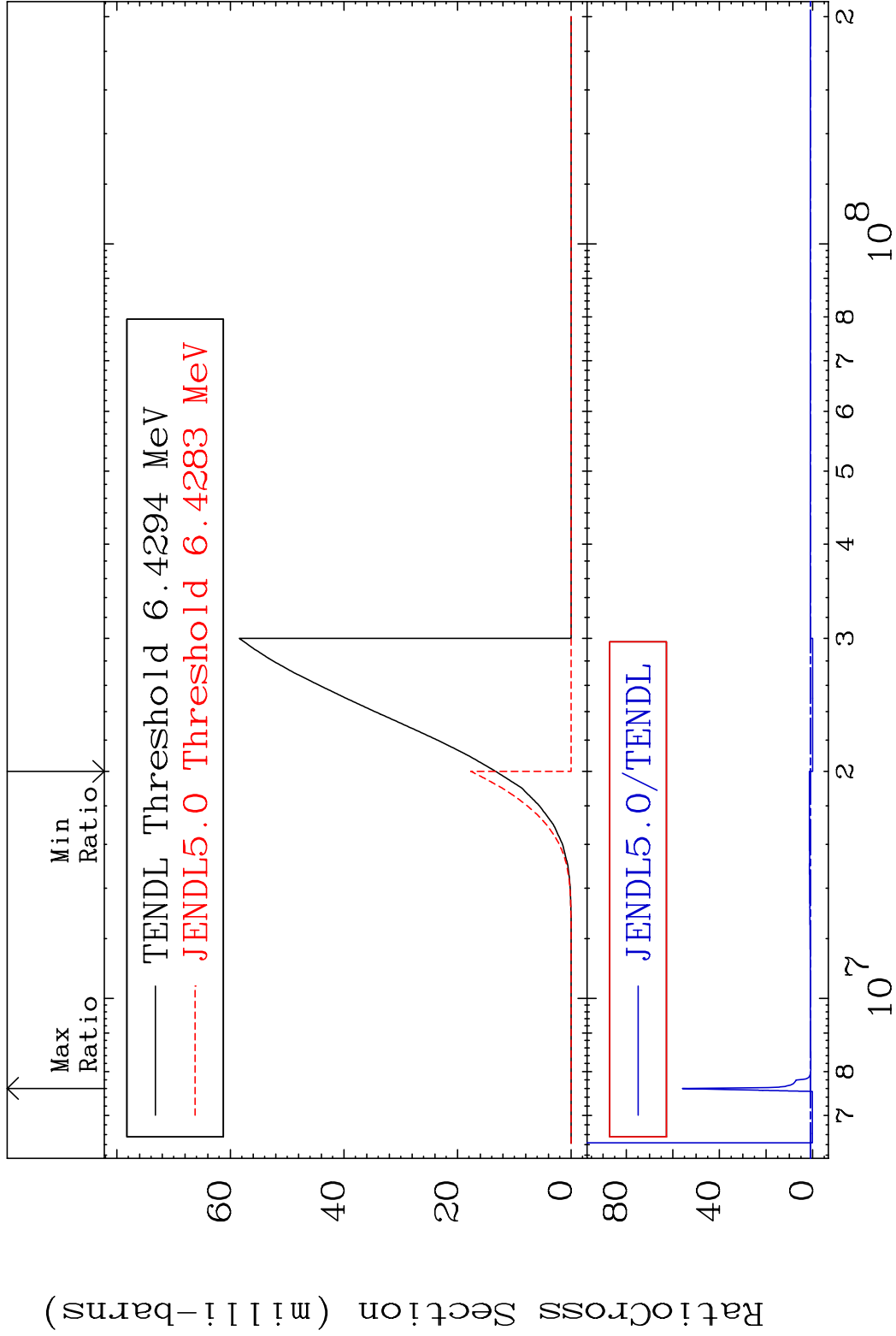
69-Tm-171



MAT 6931

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

Cross Section -100.0 To 5493. %



8

Incident Energy (eV)

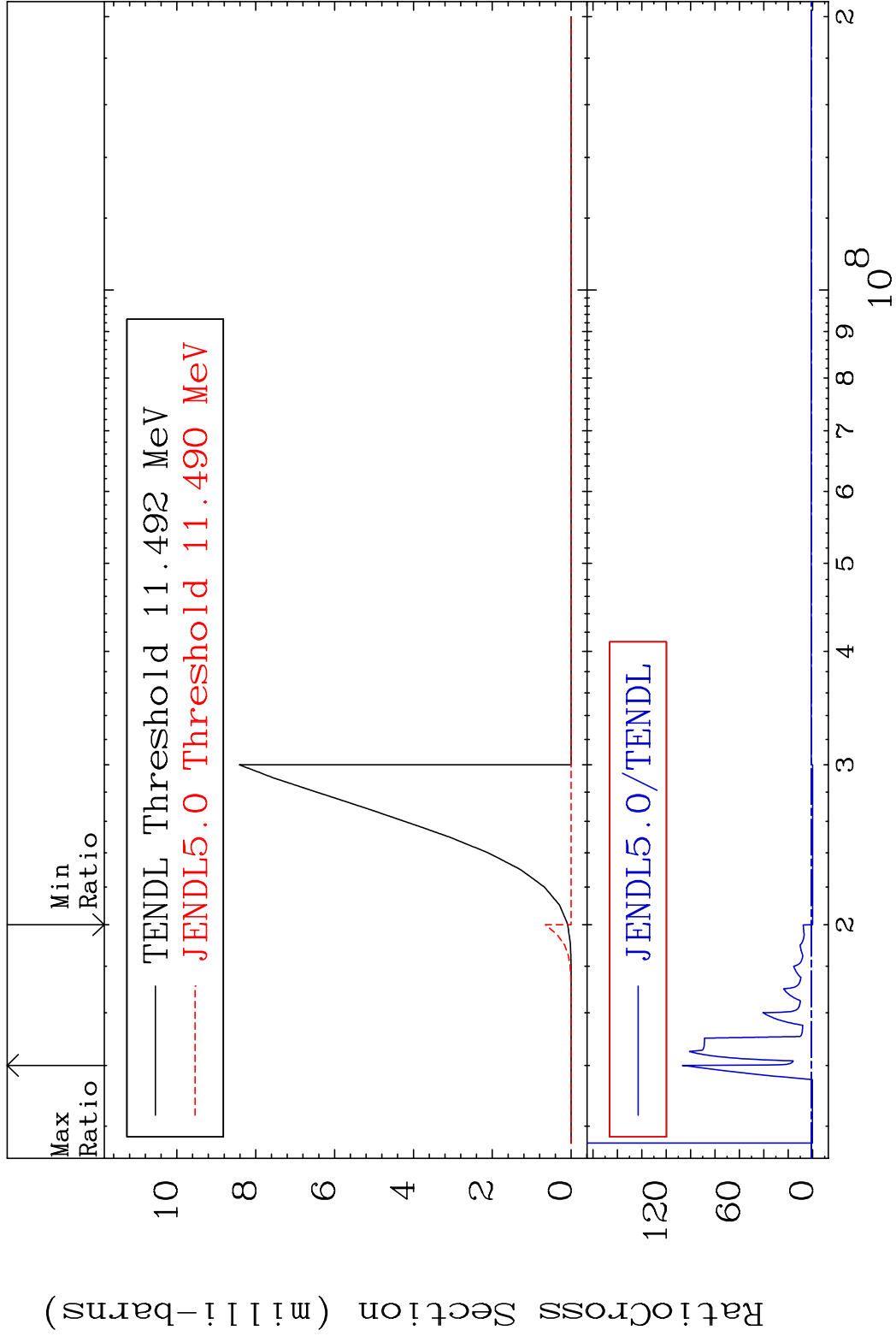
69-Tm-171

MAT 6931

(n, n') d

69-Tm-171

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

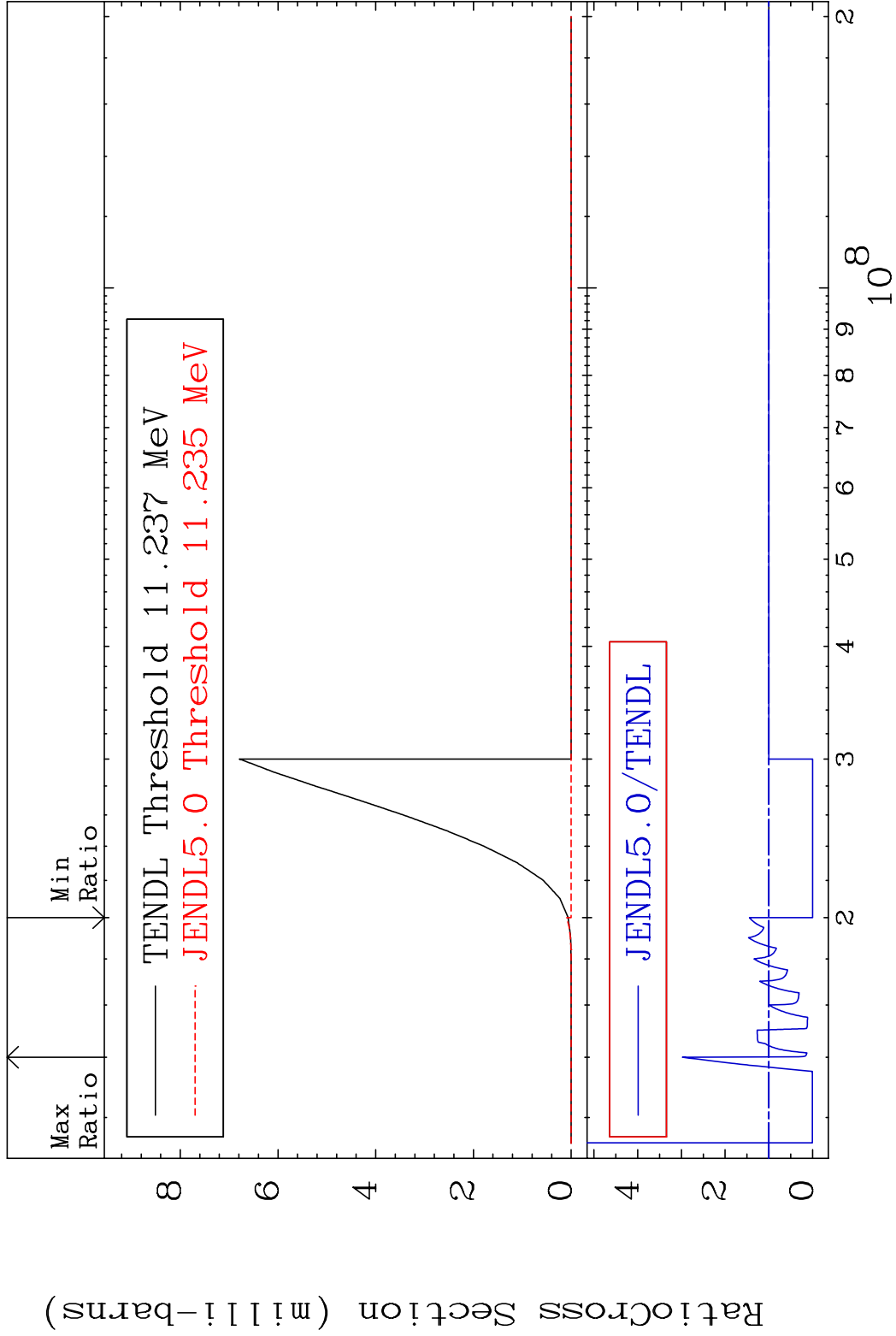
69-Tm-171

MAT 6931

(n, n') t

69-Tm-171

Cross Section -100.0 To 197.9 %



10

Incident Energy (eV)

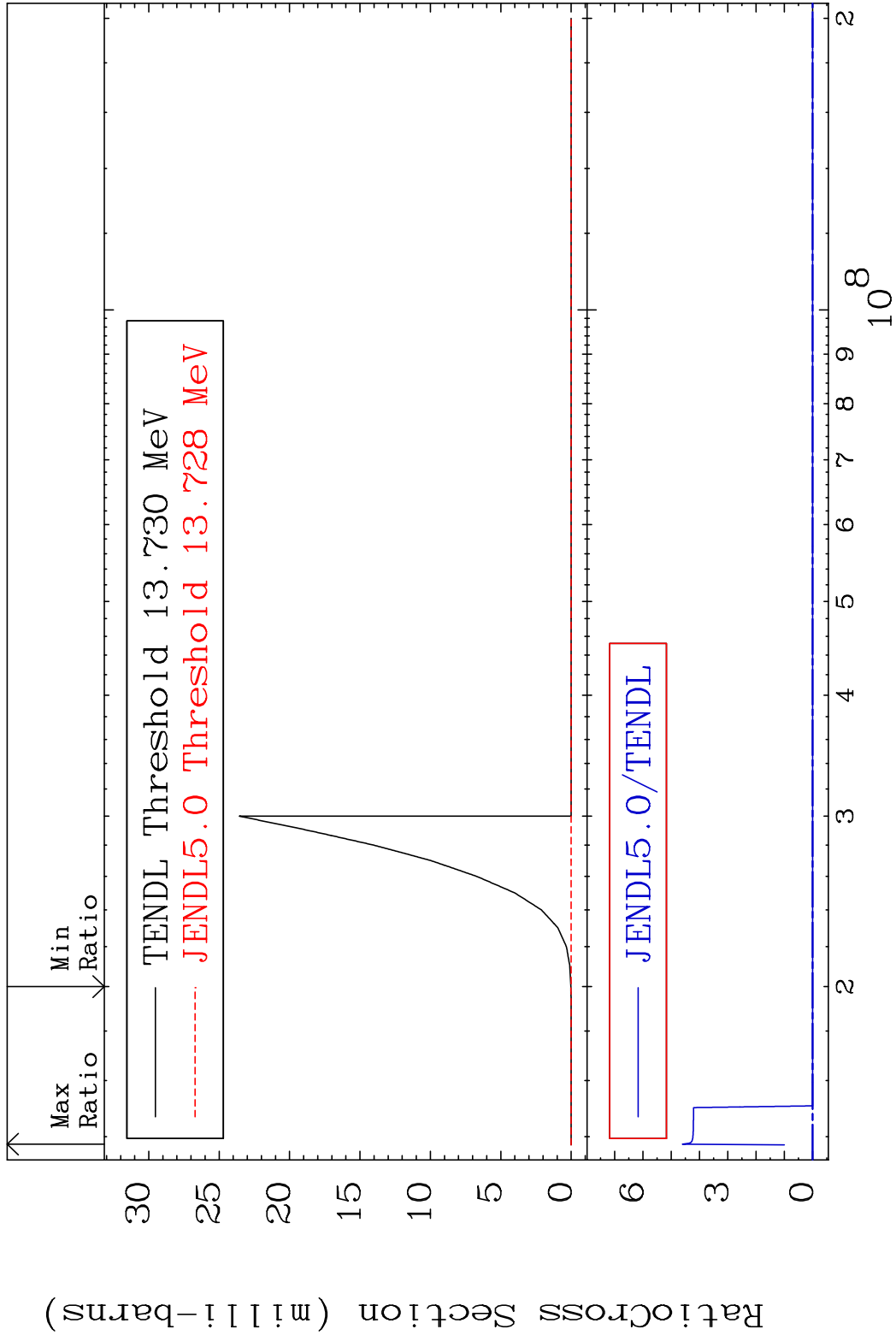
69-Tm-171

MAT 6931

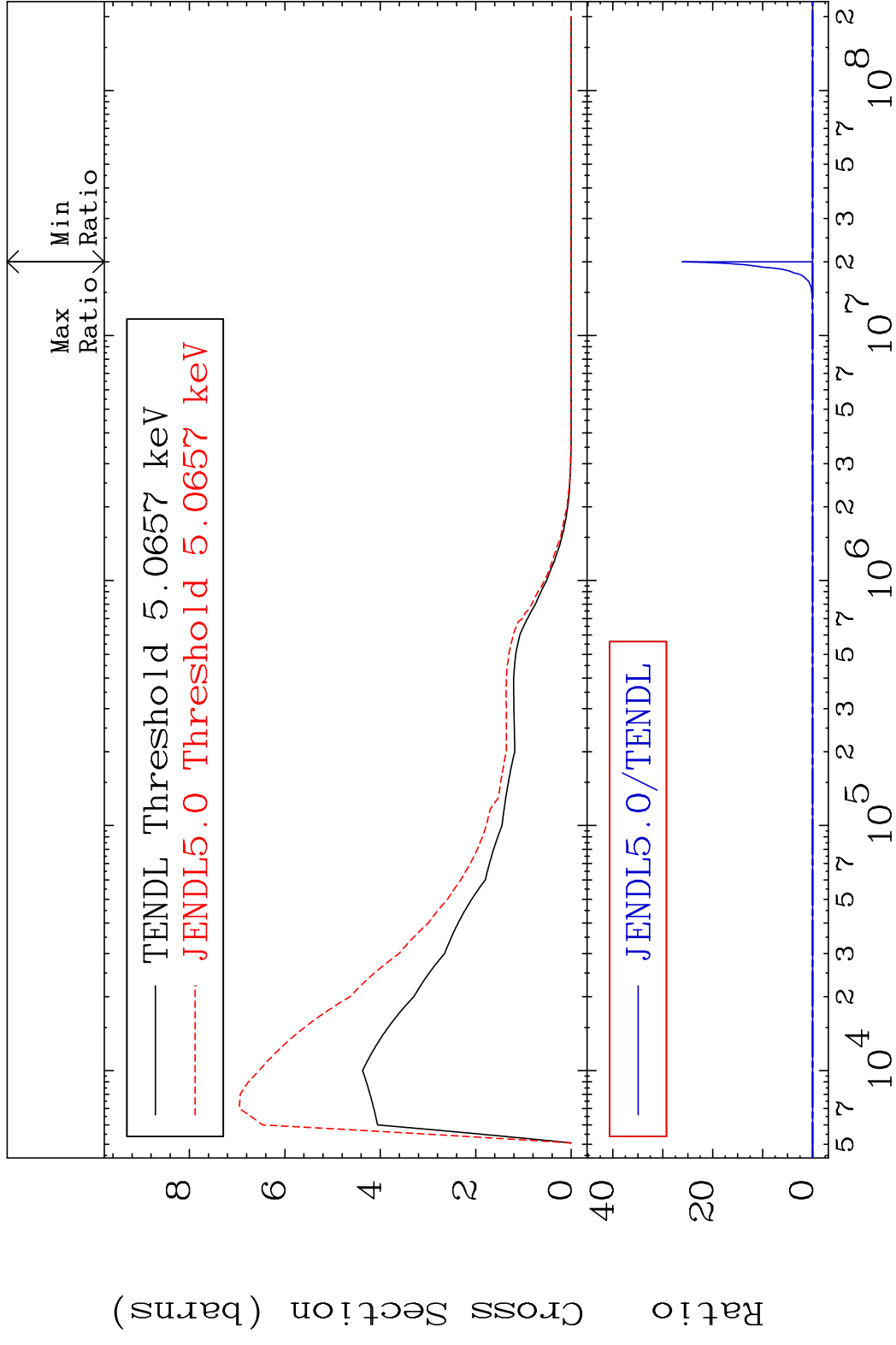
(n,2n) p

69-Tm-171

Cross Section -100.0 To 9999. %

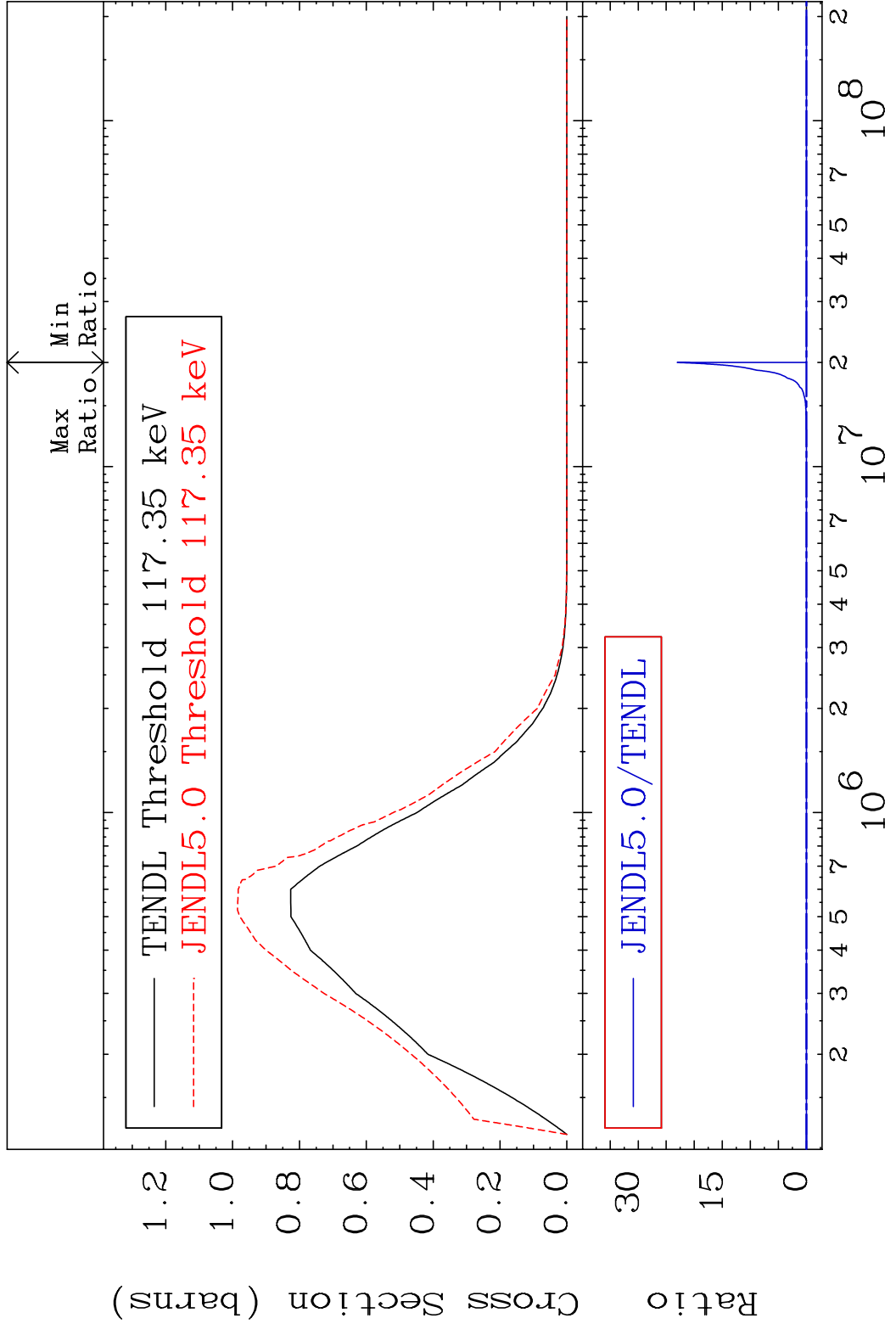


MAT 6931 MT= 51 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %

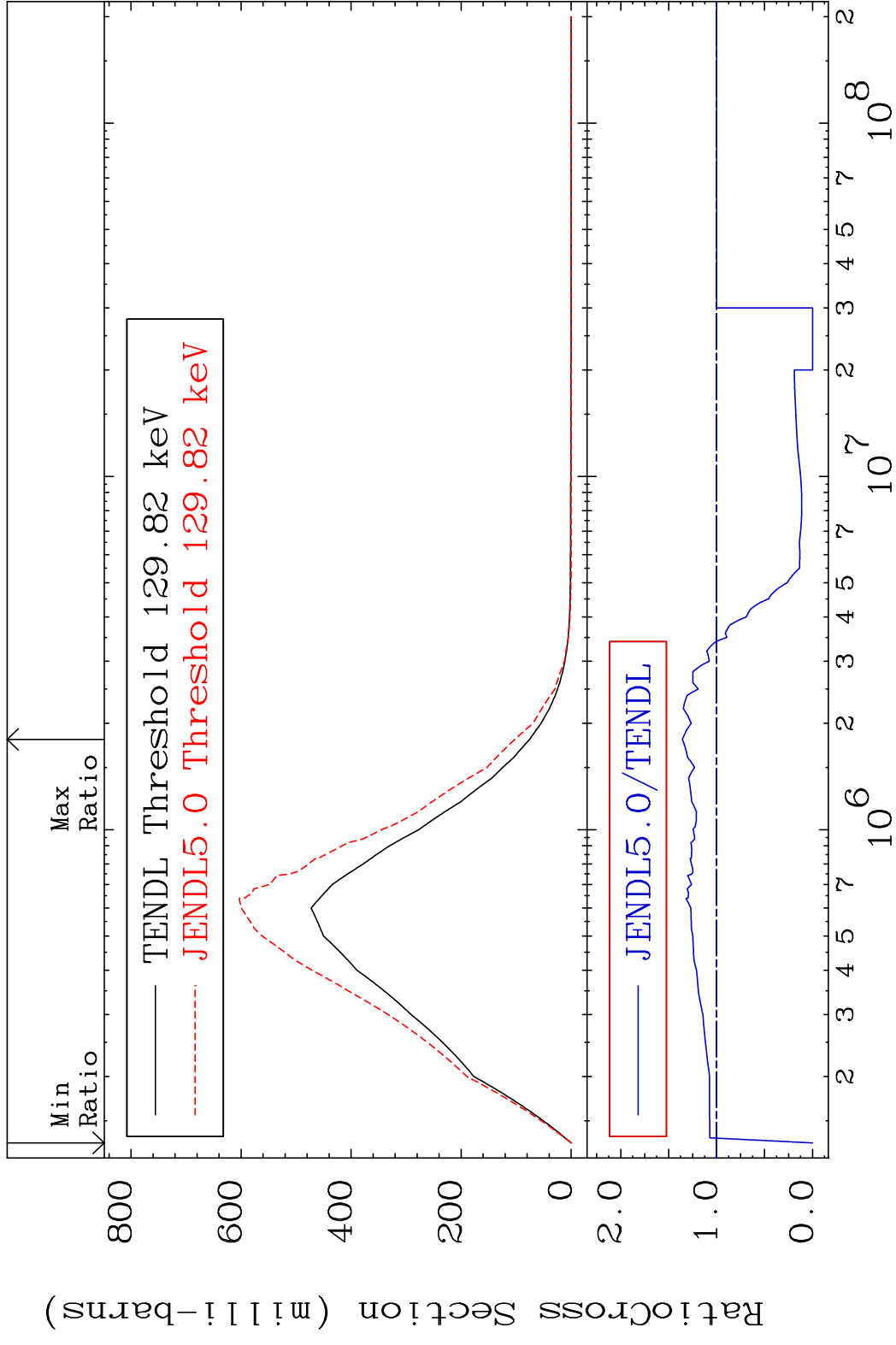


12 Incident Energy (eV) 69-Tm-171

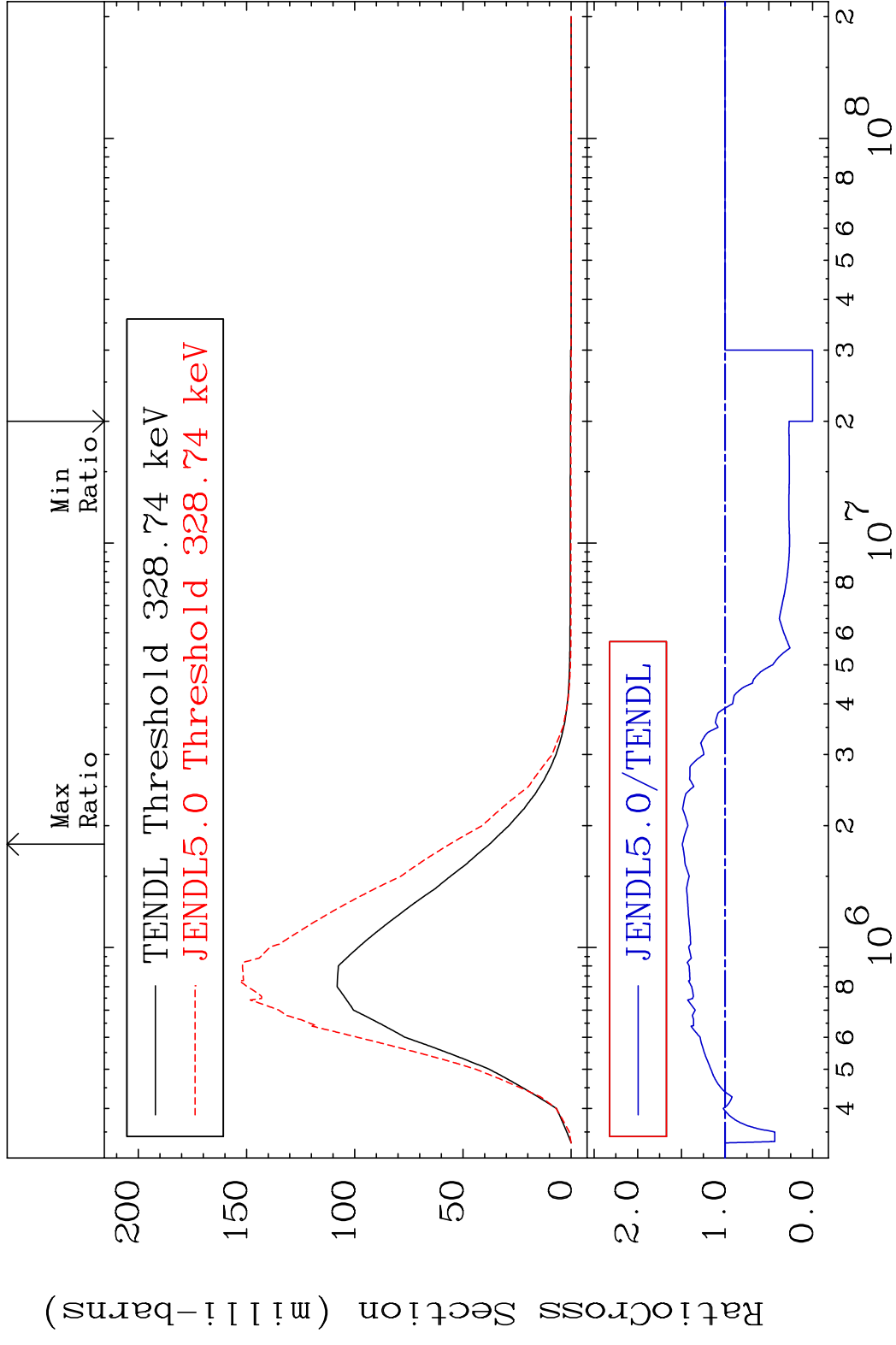
MAT 6931 MT= 52 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %



MAT 6931 MT= 53 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 35.73 %

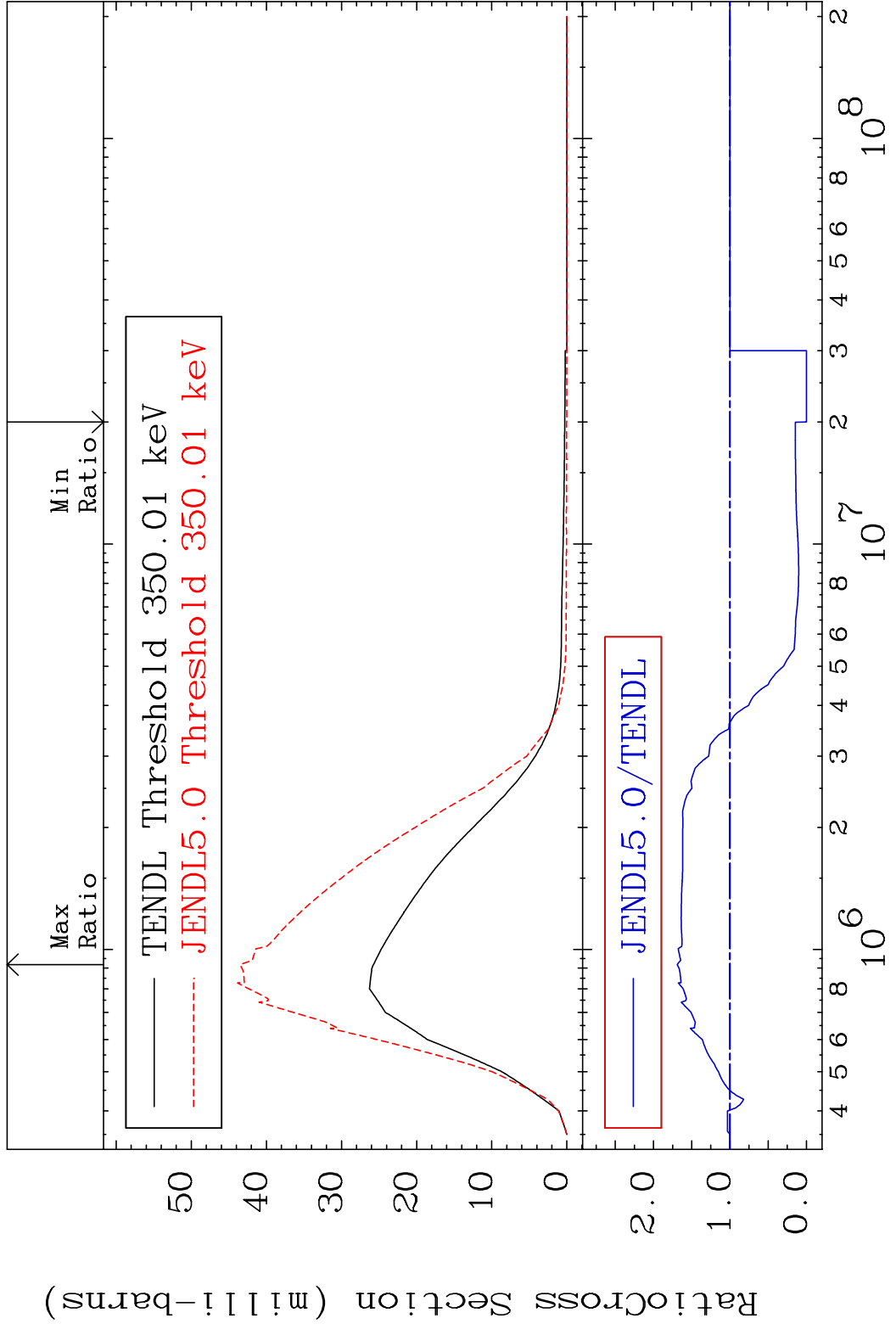


MAT 6931 MT= 54 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 48.95 %

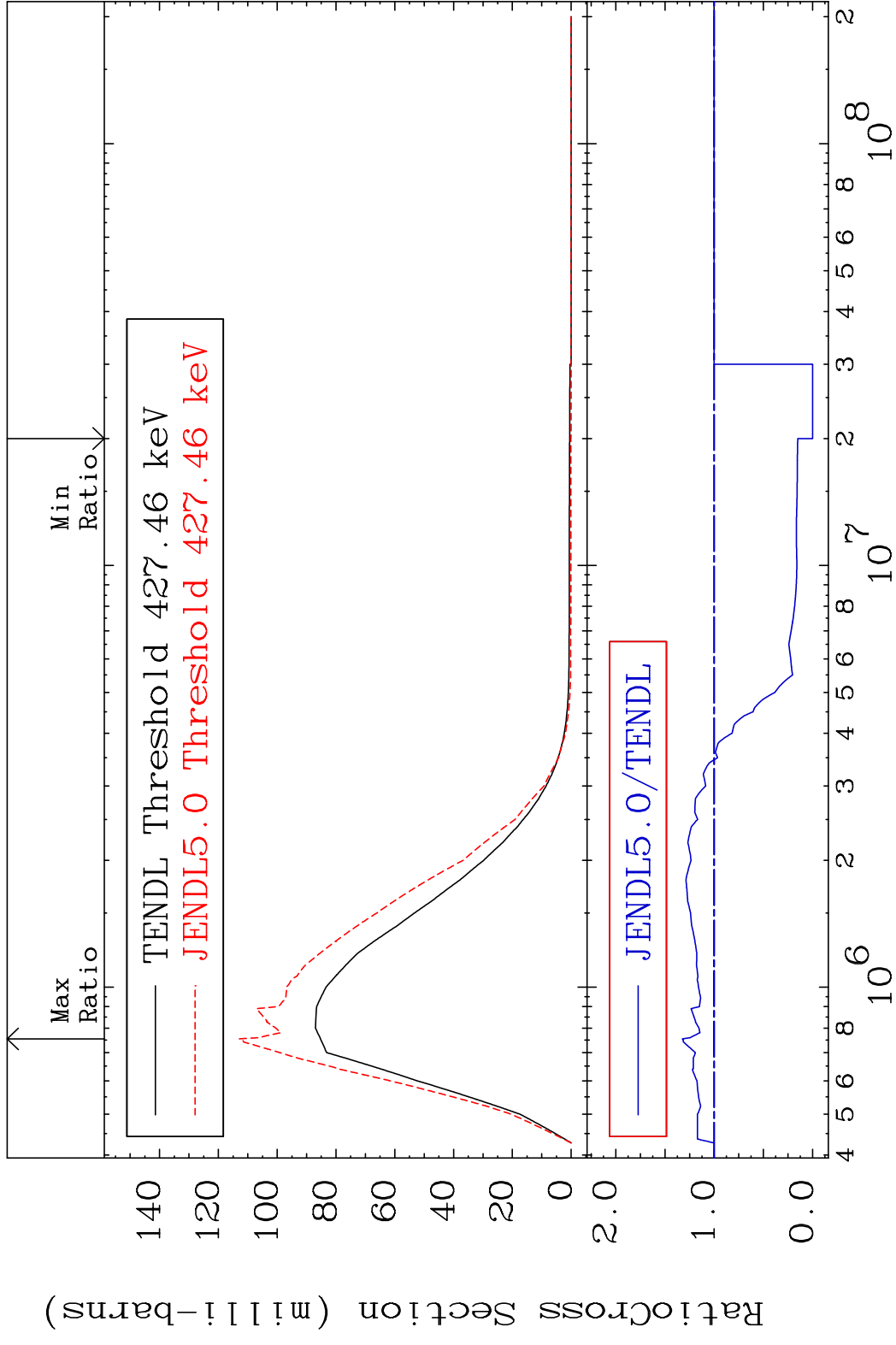




MAT 6931 MT= 55 (n,n') Level 69-Tm-171  
 Cross Section -100.0 To 69.00 %

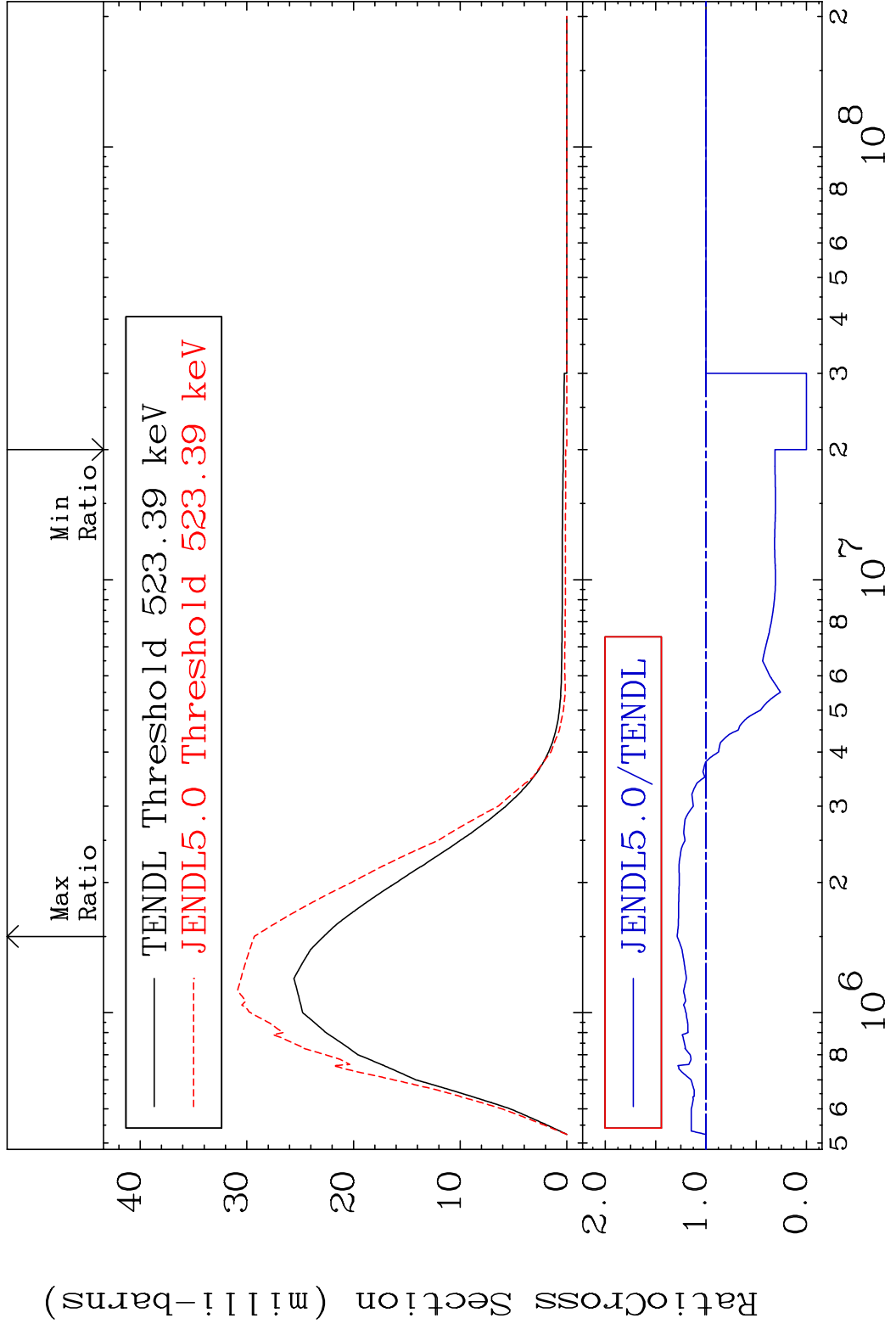


MAT 6931 MT= 56 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 32.38 %

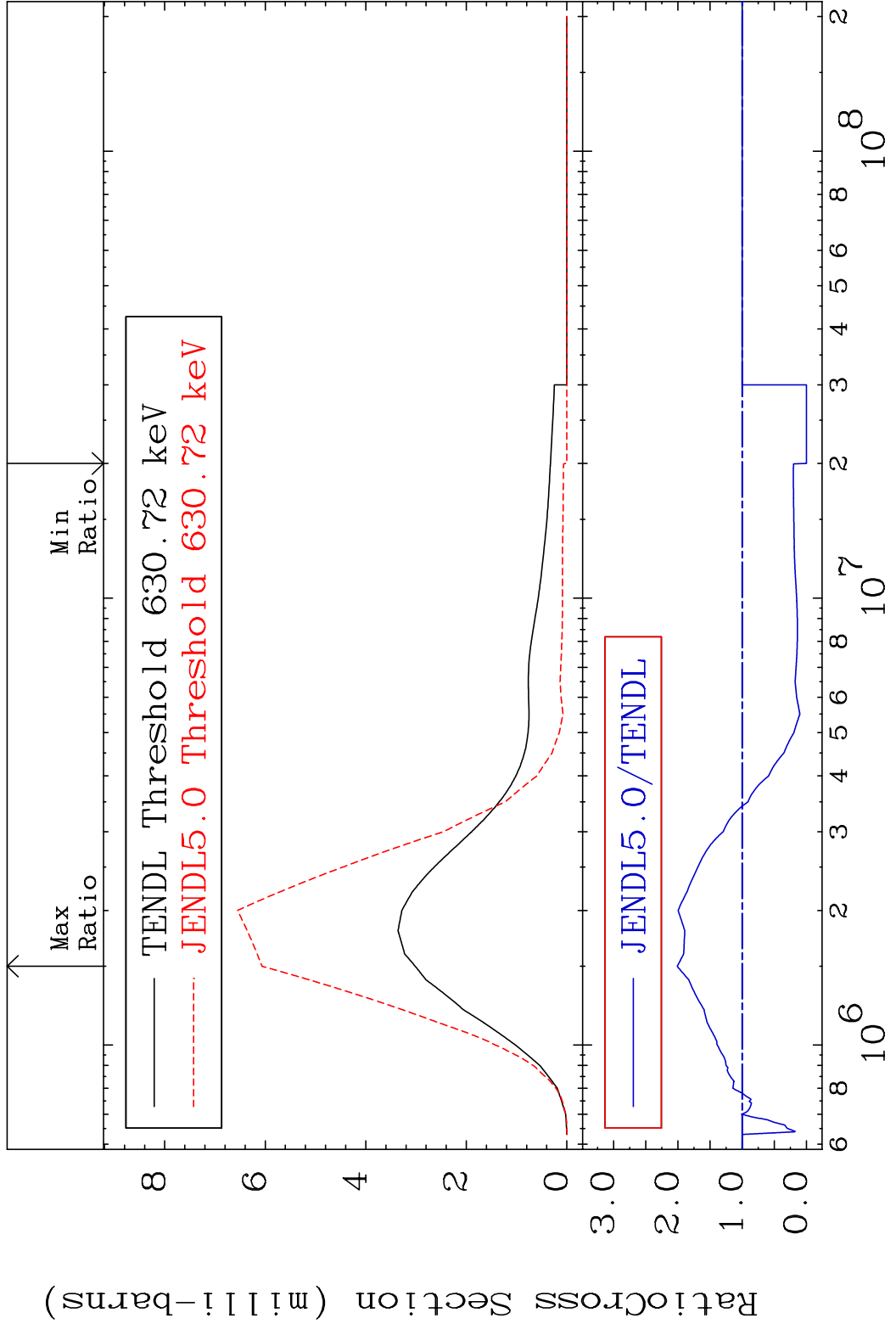


17 Incident Energy (eV) 69-Tm-171

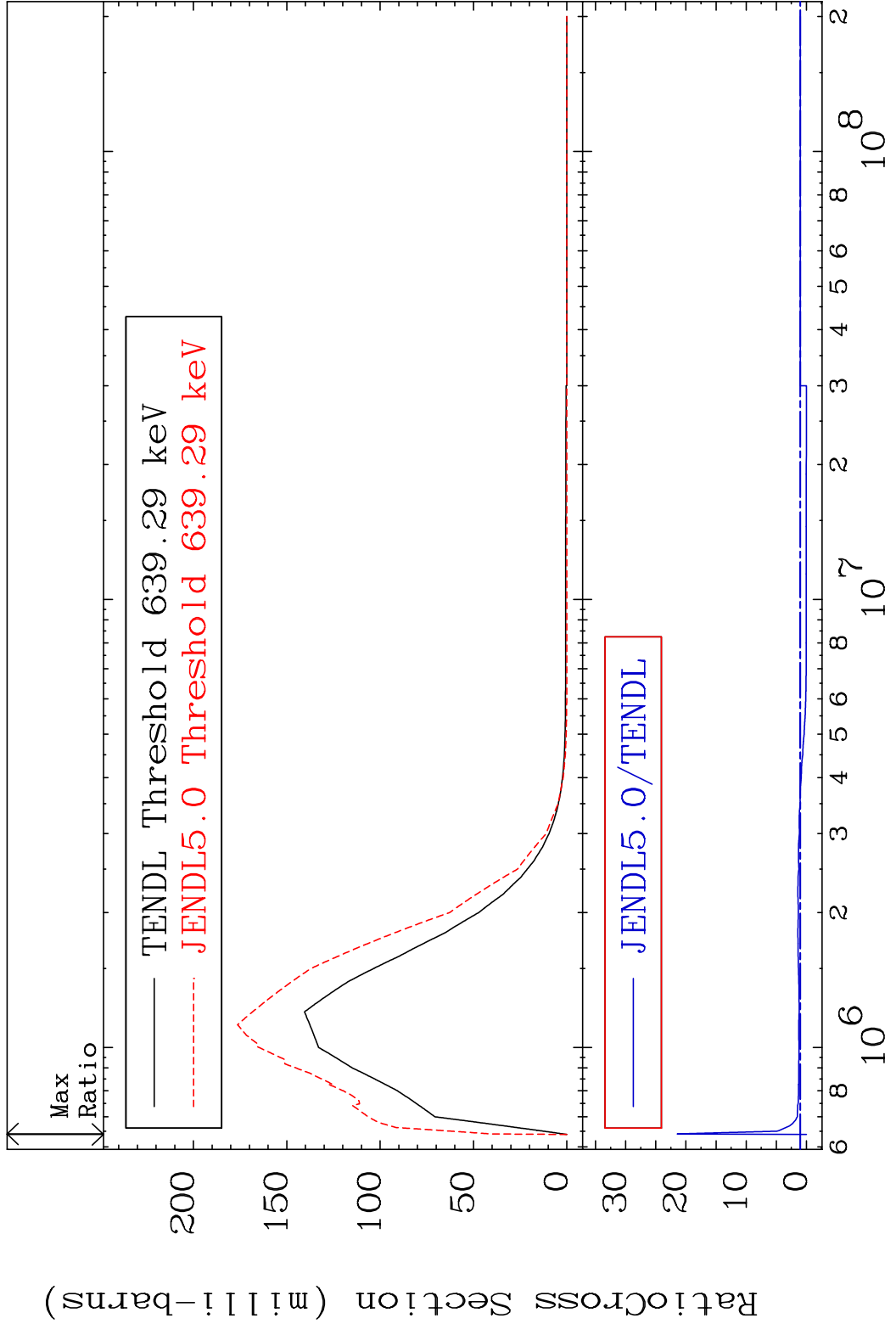
MAT 6931 MT= 57 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 28.54 %



MAT 6931 MT= 58 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 101.0 %

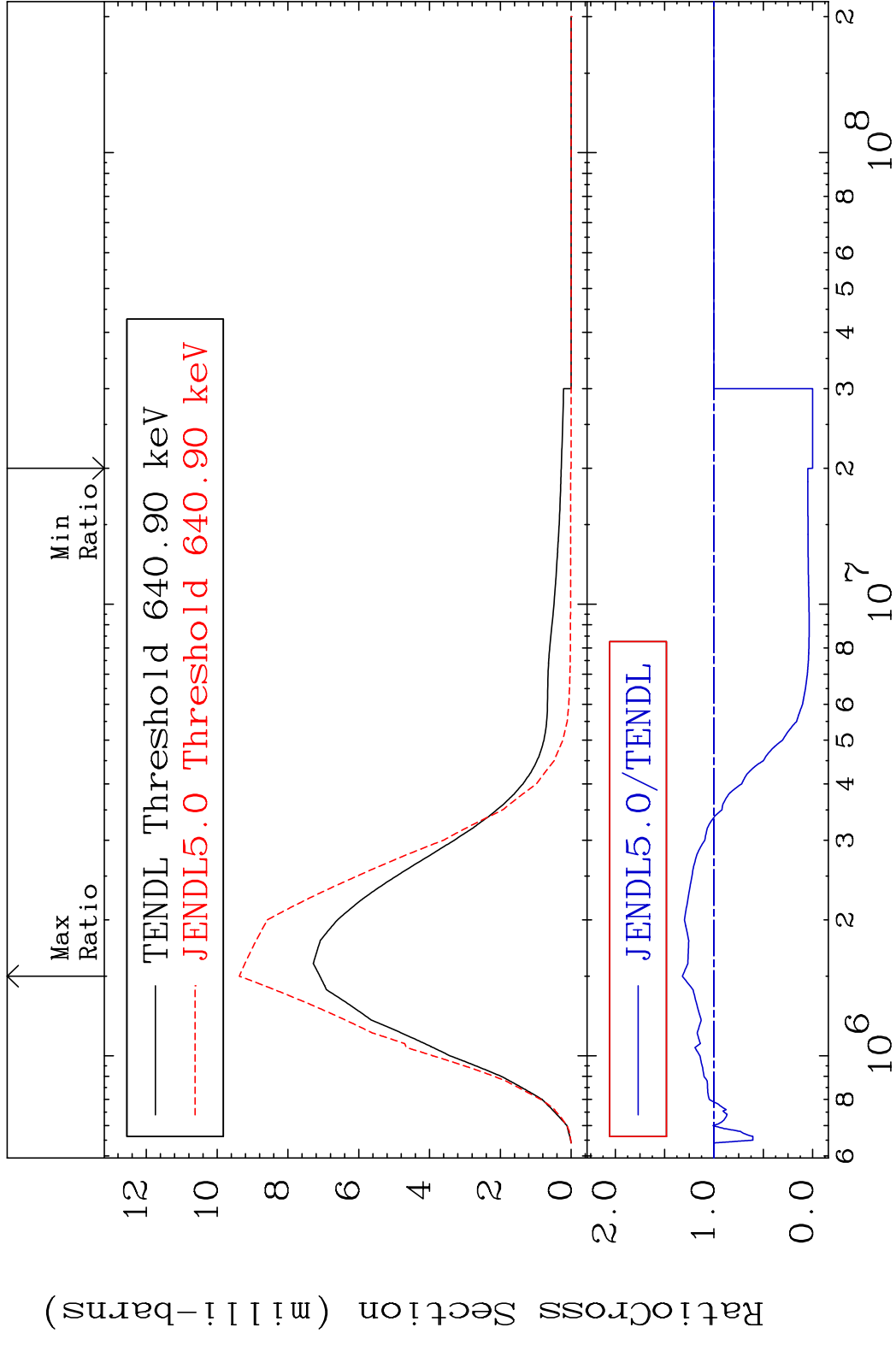


MAT 6931 MT= 59 (n,n') Level 69-Tm-171  
 Cross Section -100.0 To 2045. %

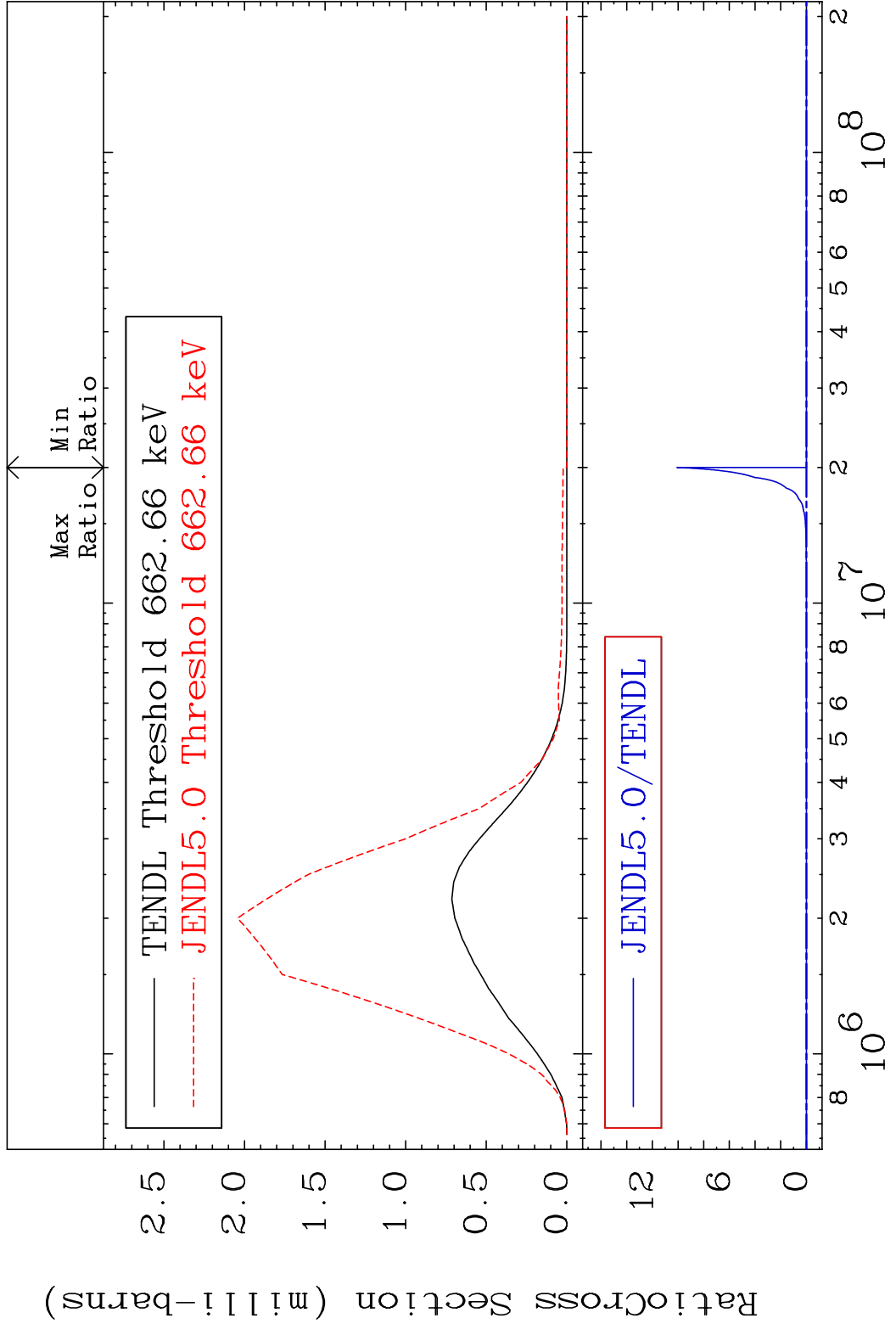


20 69-Tm-171

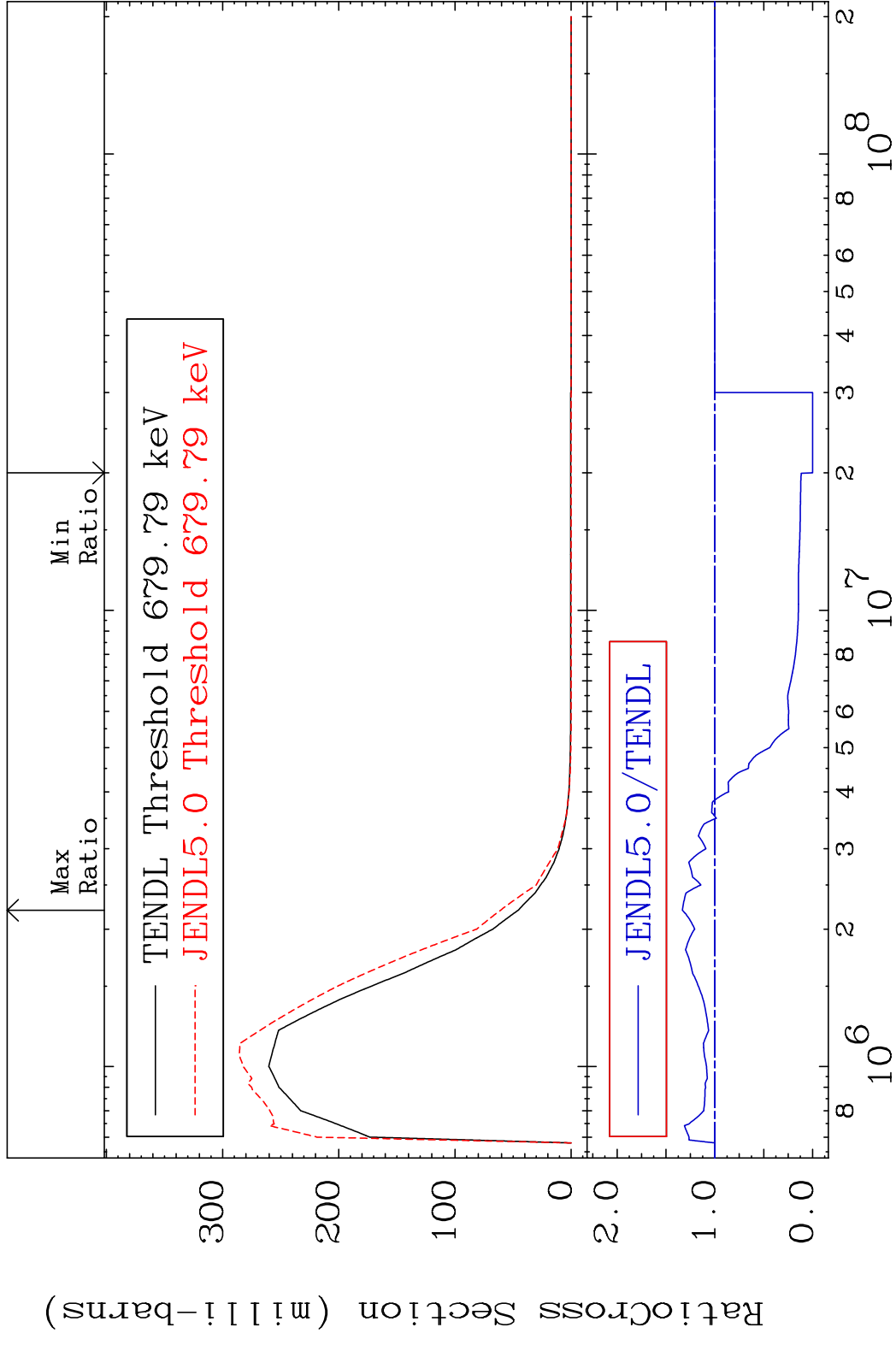
MAT 6931 MT= 60 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 32.05 %



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

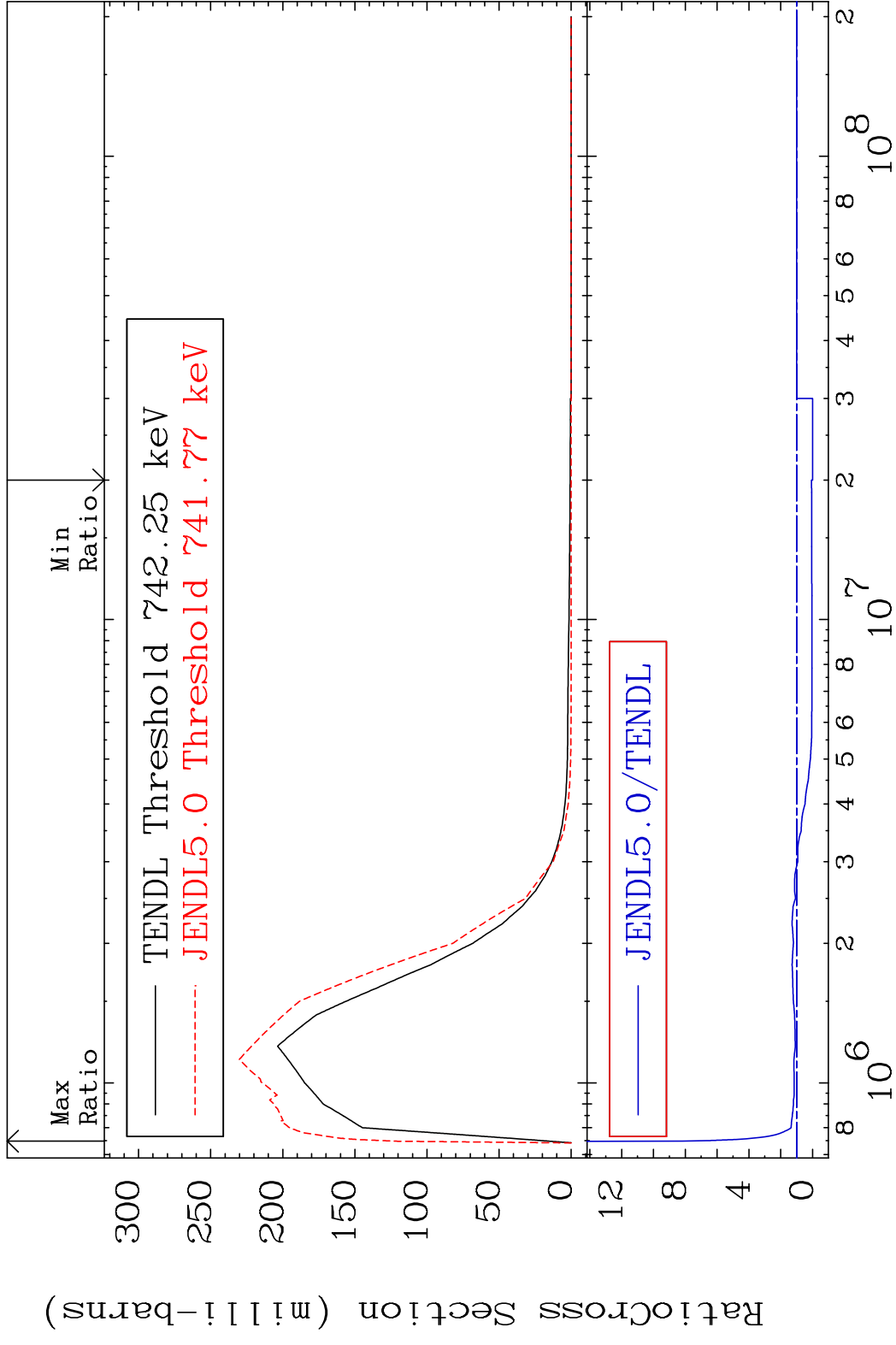


MAT 6931 MT= 62 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 33.23 %

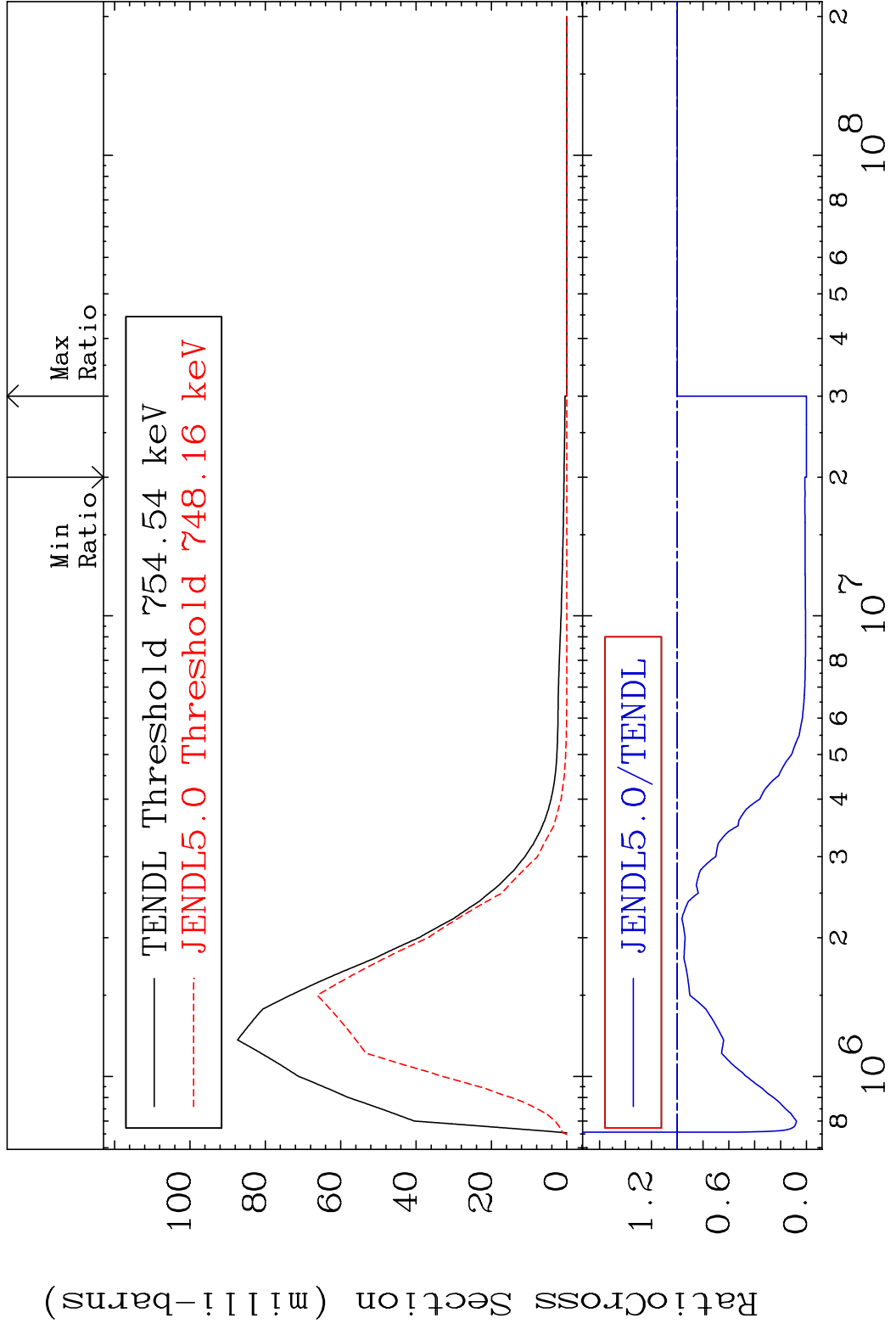




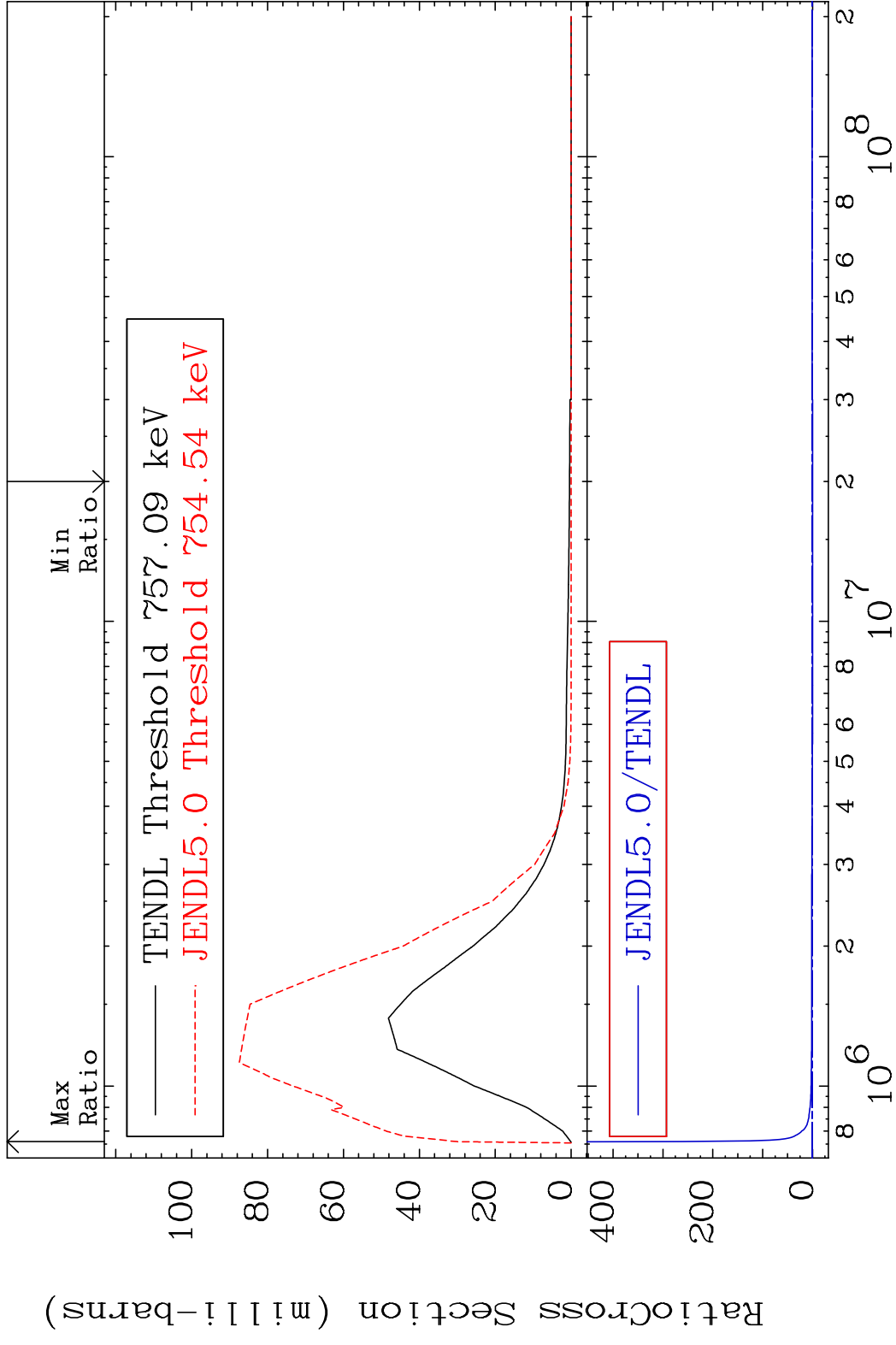
MAT 6931 MT= 63 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 718.4 %



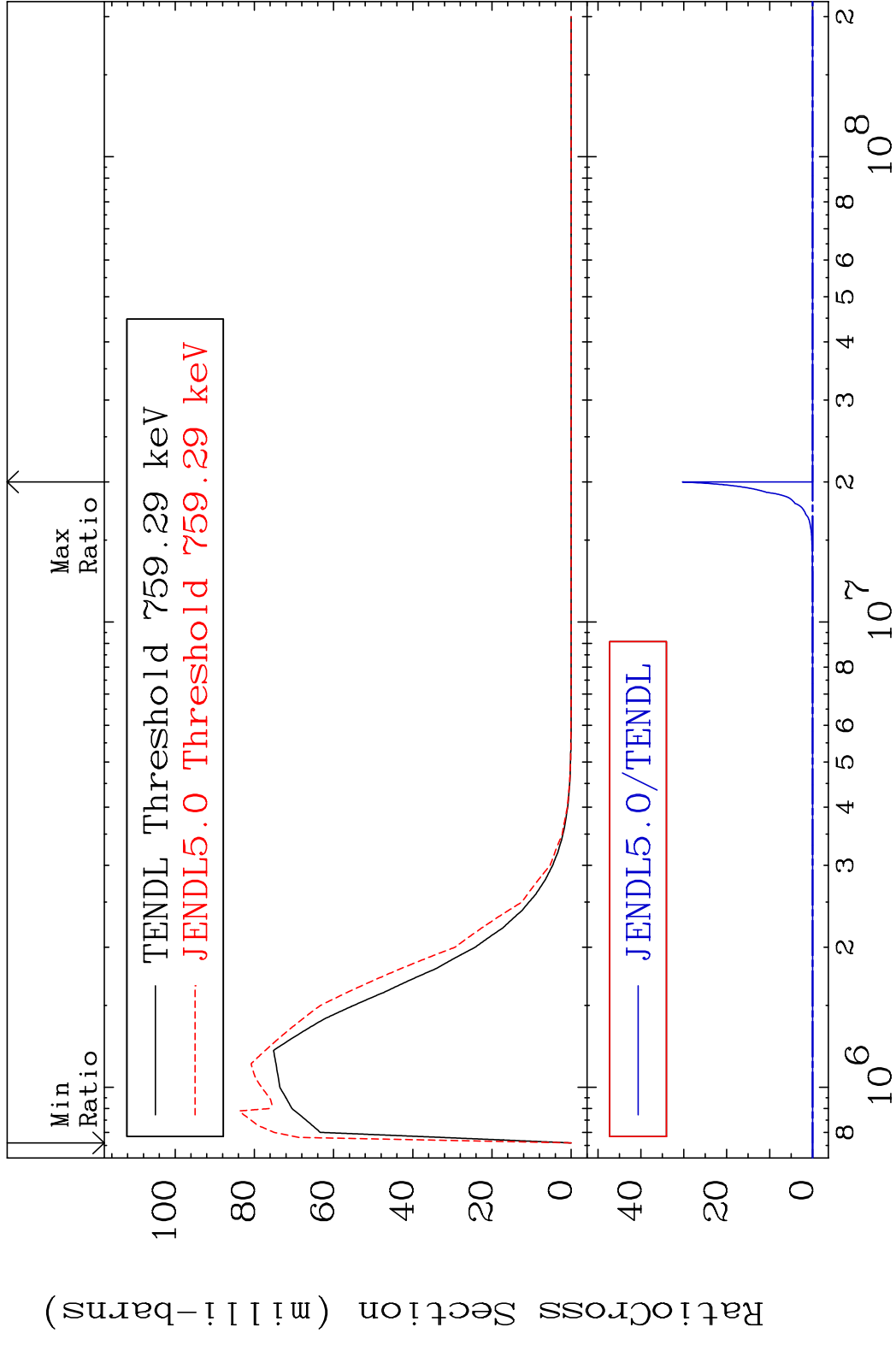
MAT 6931 MT= 64 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 0.000 %



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

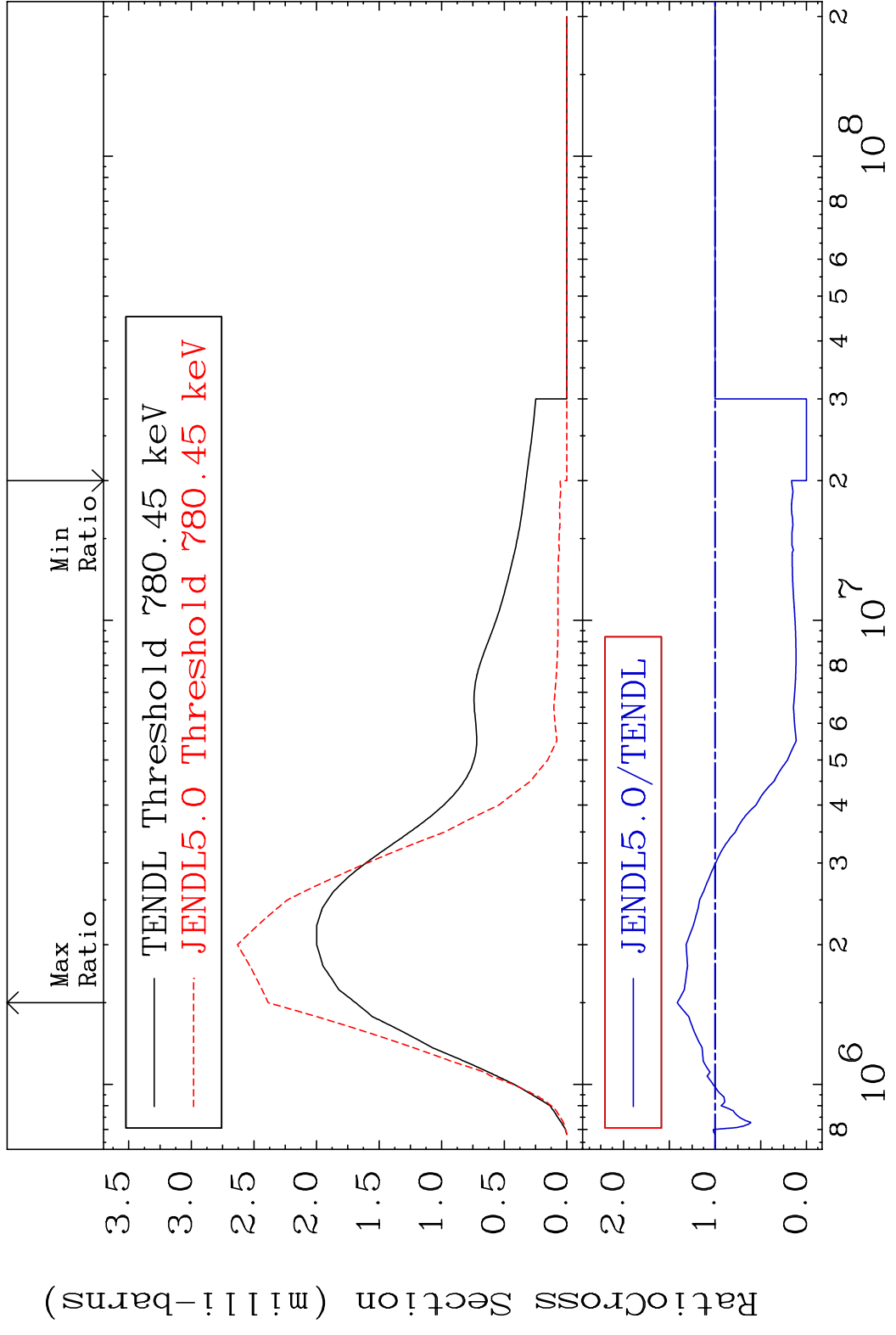


MAT 6931 MT= 66 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %

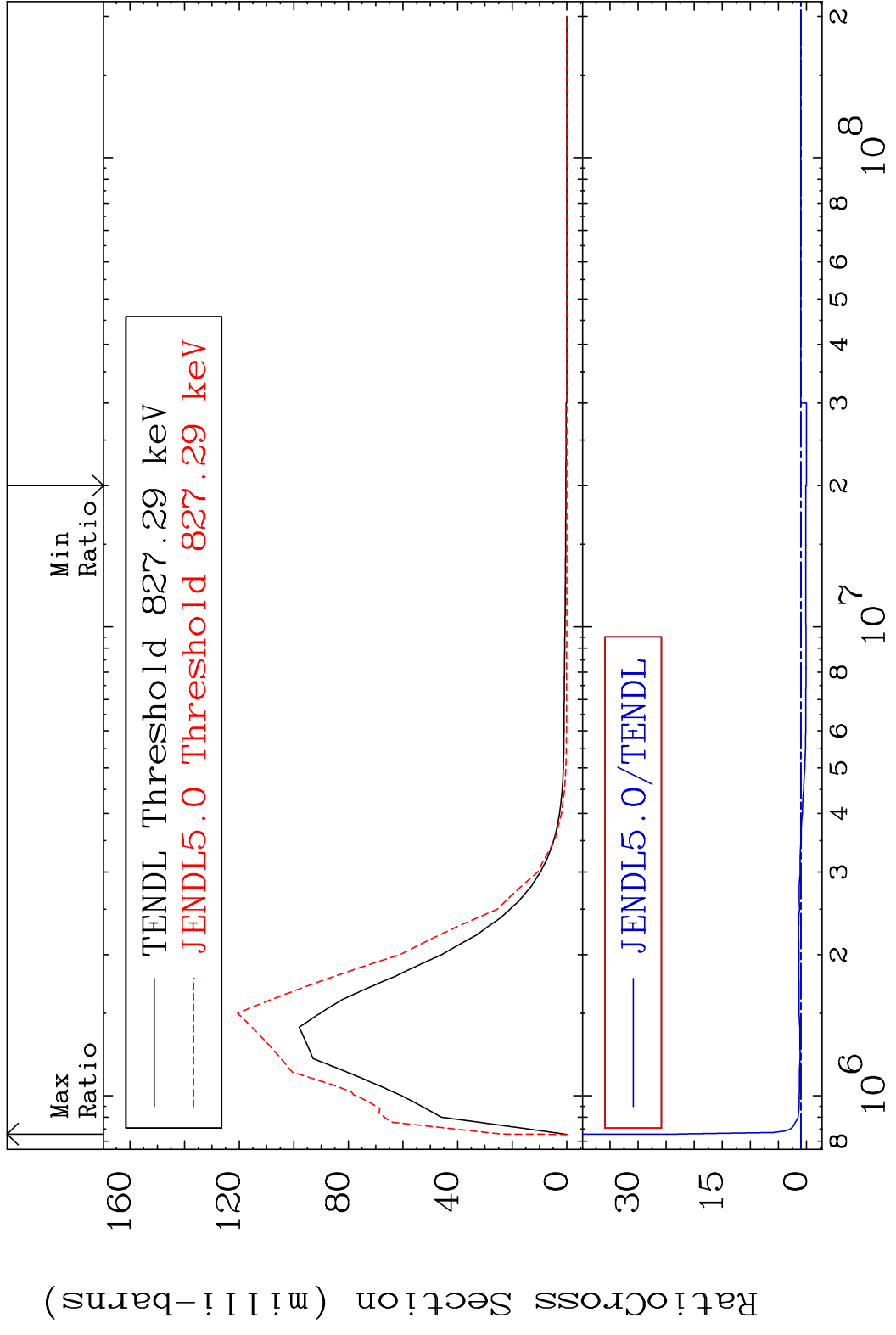


27 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 67 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 41.38 %

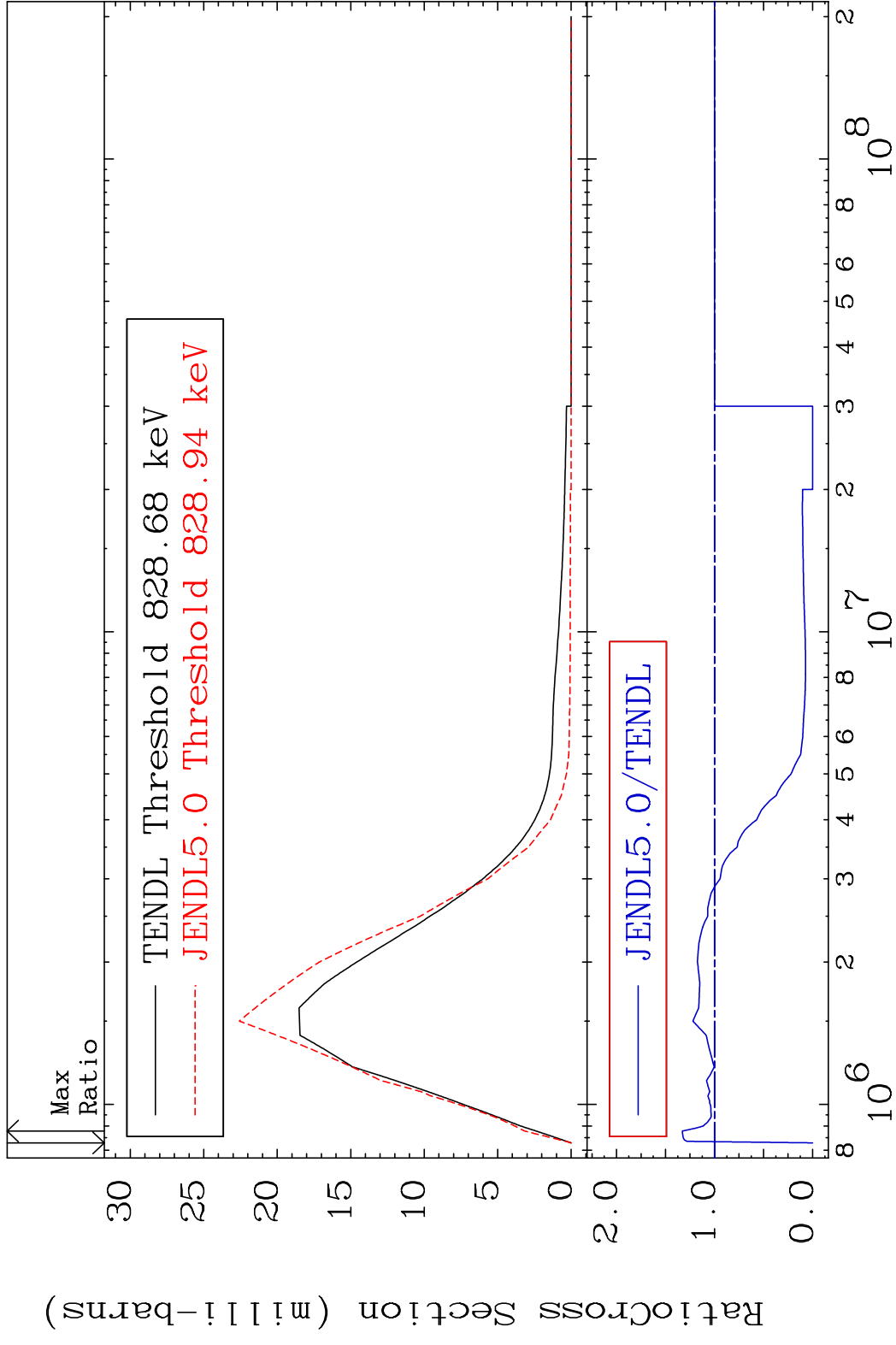


MAT 6931 MT= 68 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 2203. %



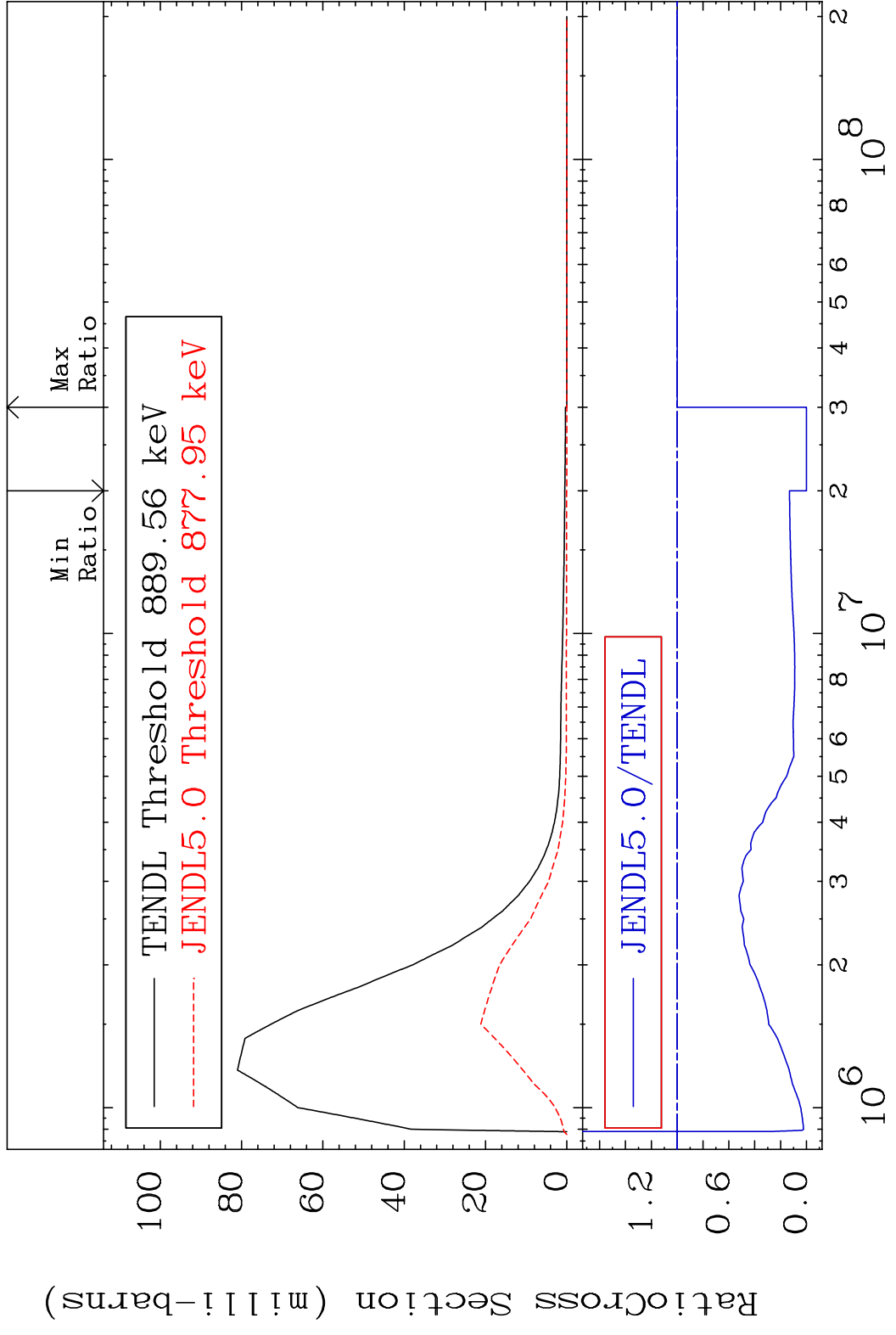
29 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 69 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 32.83 %



30 Incident Energy (eV) 69-Tm-171

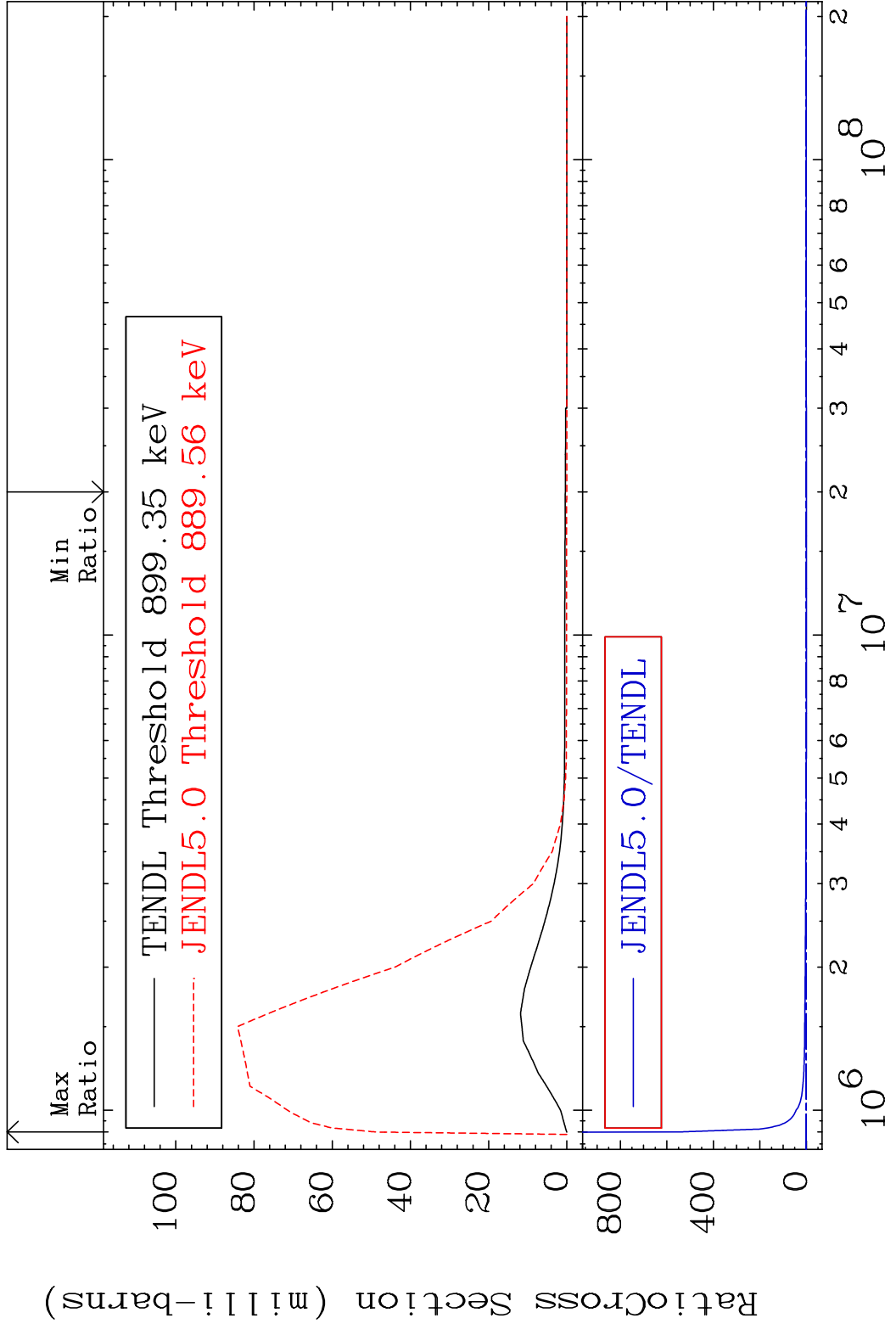
MAT 6931 MT= 70 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 0.000 %



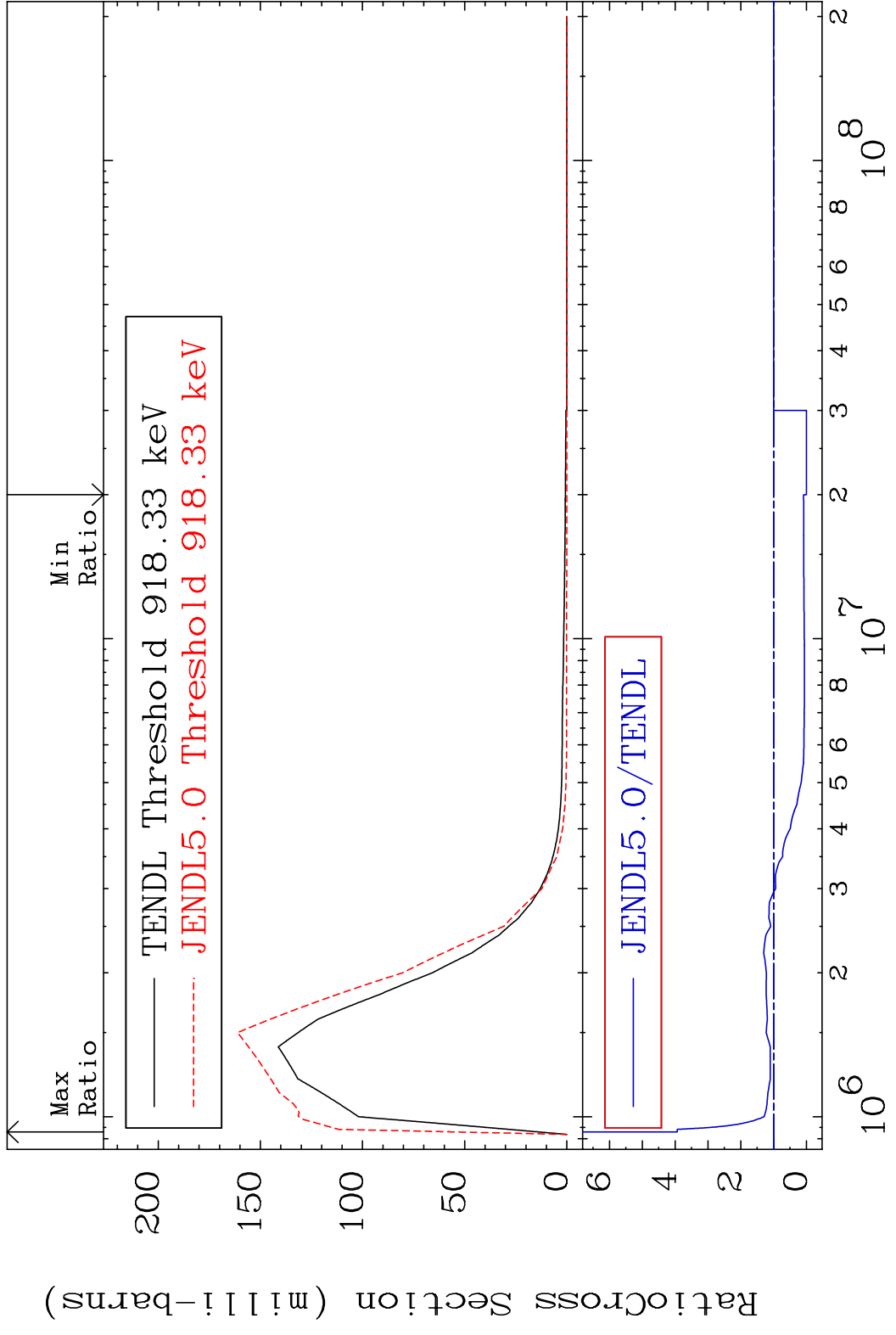
31 Incident Energy (eV) 69-Tm-171



MAT 6931 MT= 71 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 9999. %

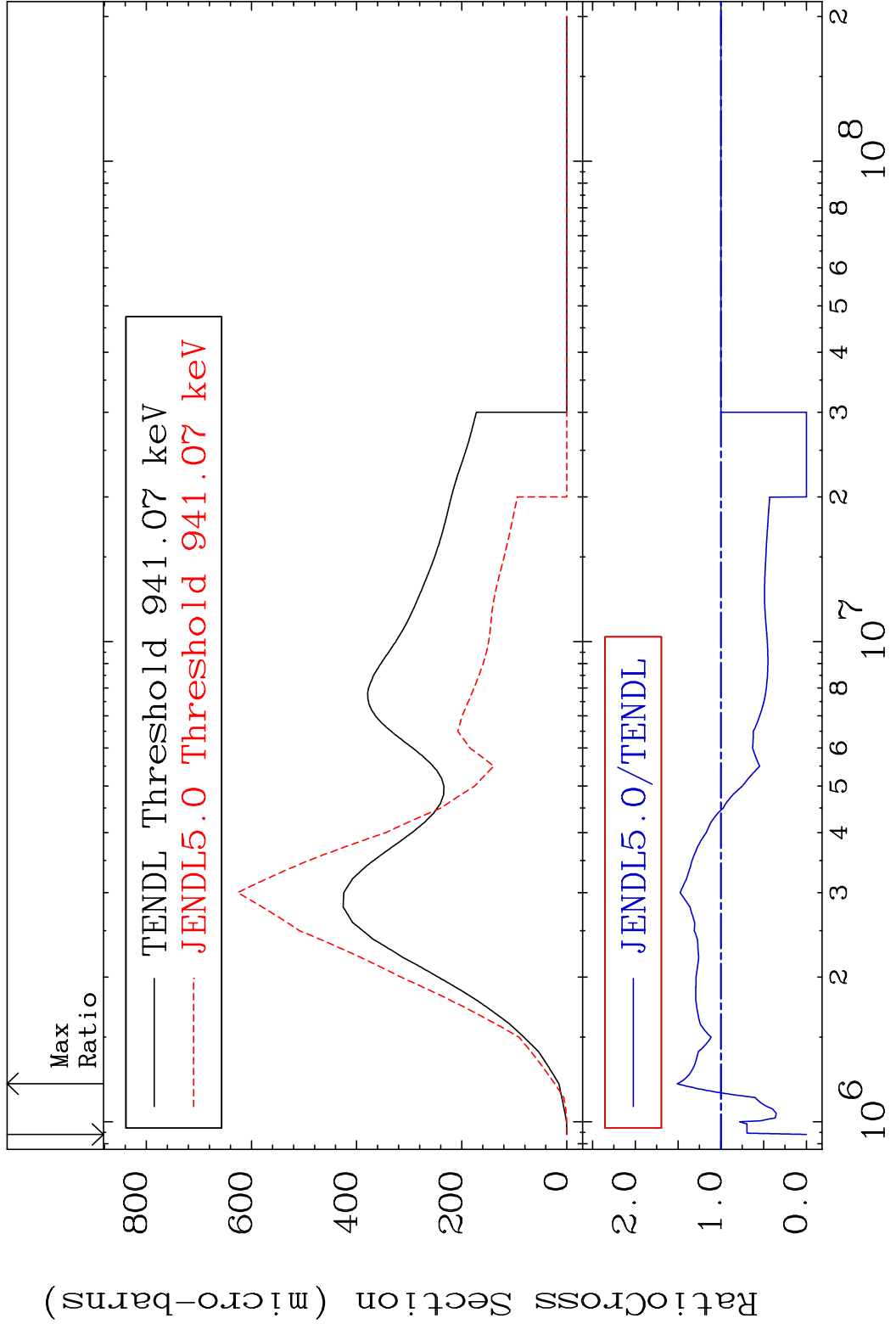


MAT 6931 MT= 72 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 293.7 %



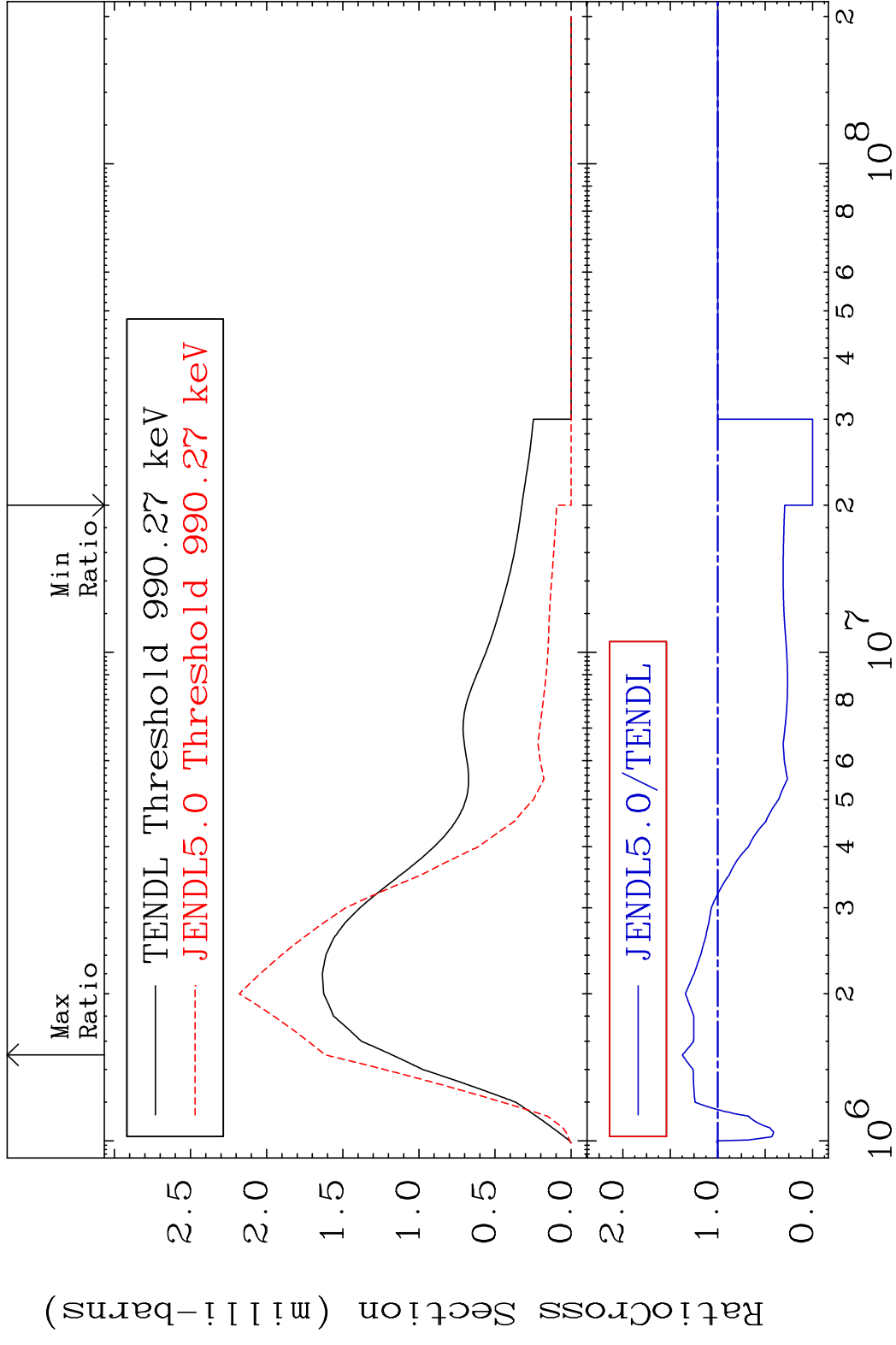
33 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 73 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 51.05 %



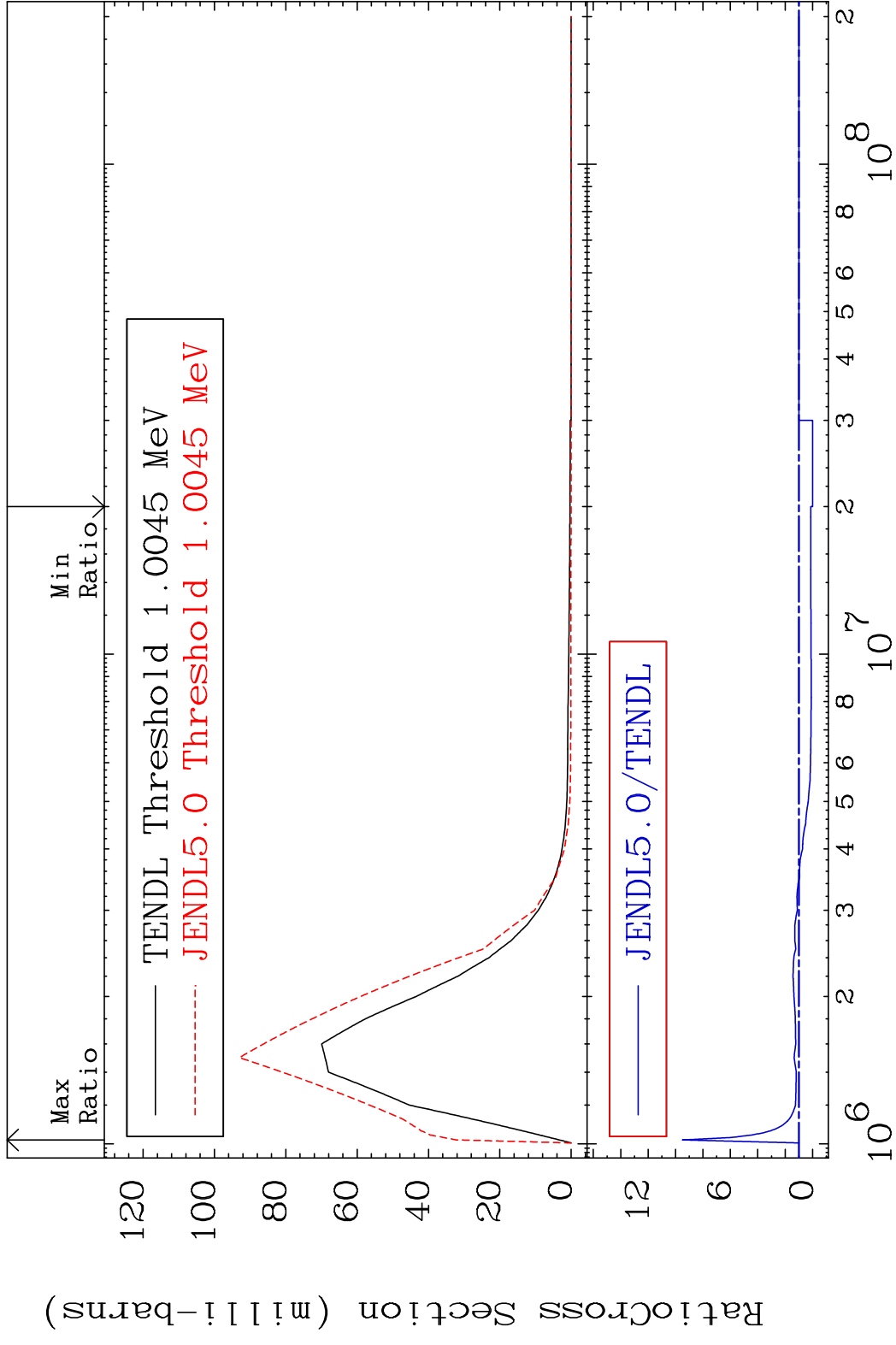
34 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 74 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 37.34 %



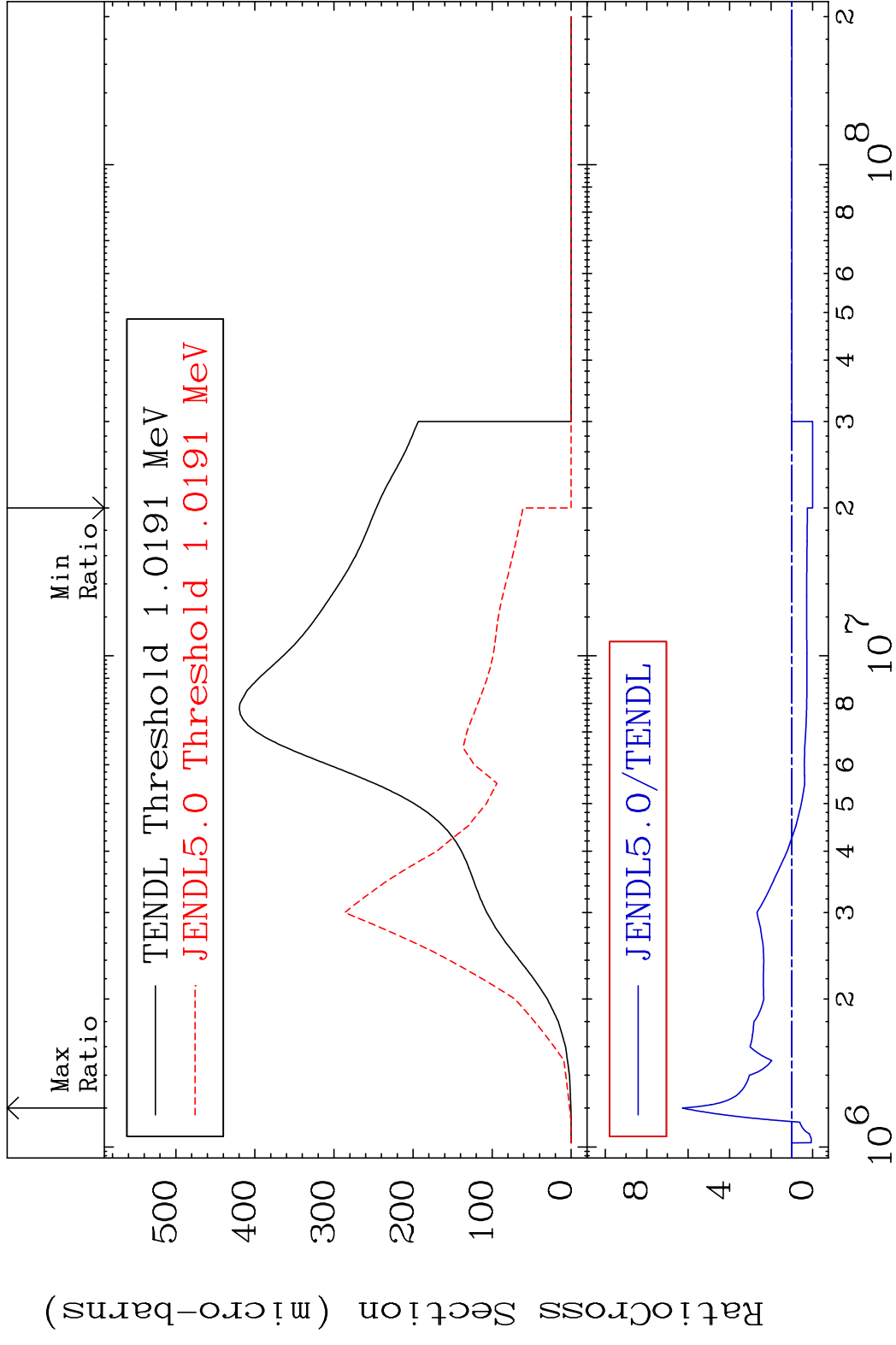
35 69-Tm-171

MAT 6931 MT= 75 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 850.2 %



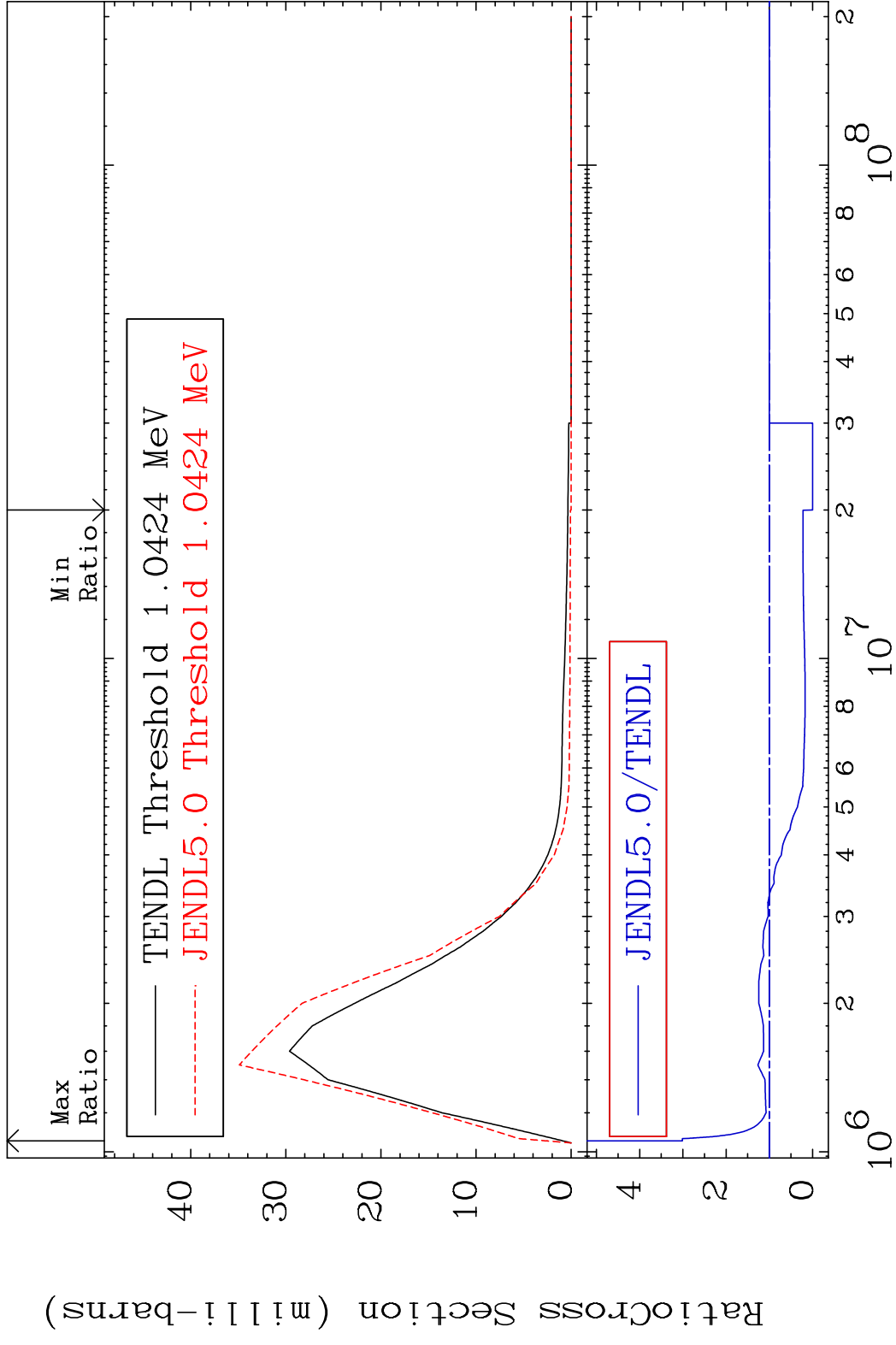
36 Incident Energy (eV) 69-Tm-171

MAT 6931 MT= 76 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 528.1 %



37 69-Tm-171

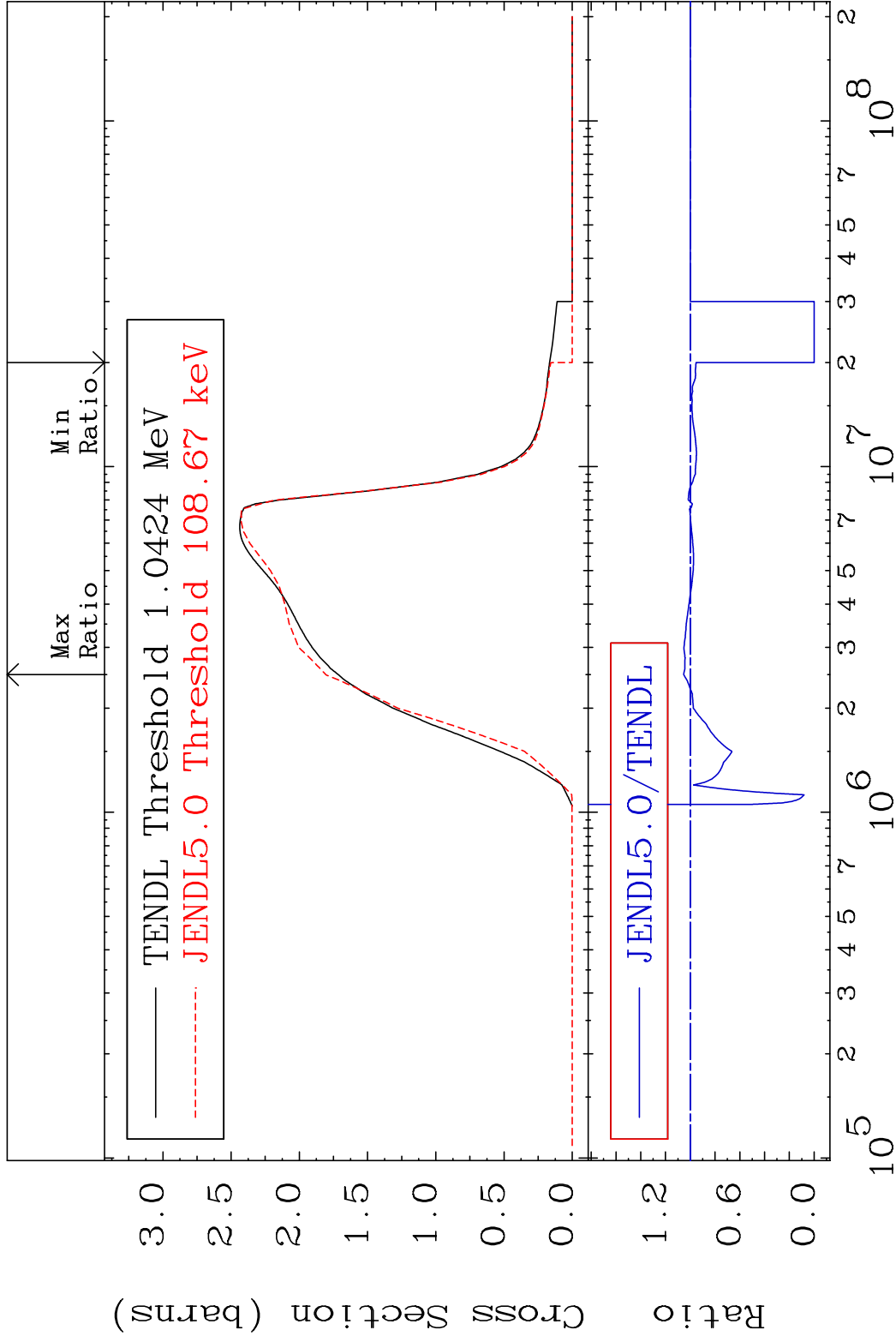
MAT 6931 MT= 77 (n, n') Level 69-Tm-171  
 Cross Section -100.0 To 201.2 %



MAT 6931

(n, n') Continuum  
Cross Section -100.0 To 5.333 %

69-Tm-171



39

Incident Energy (eV)

69-Tm-171

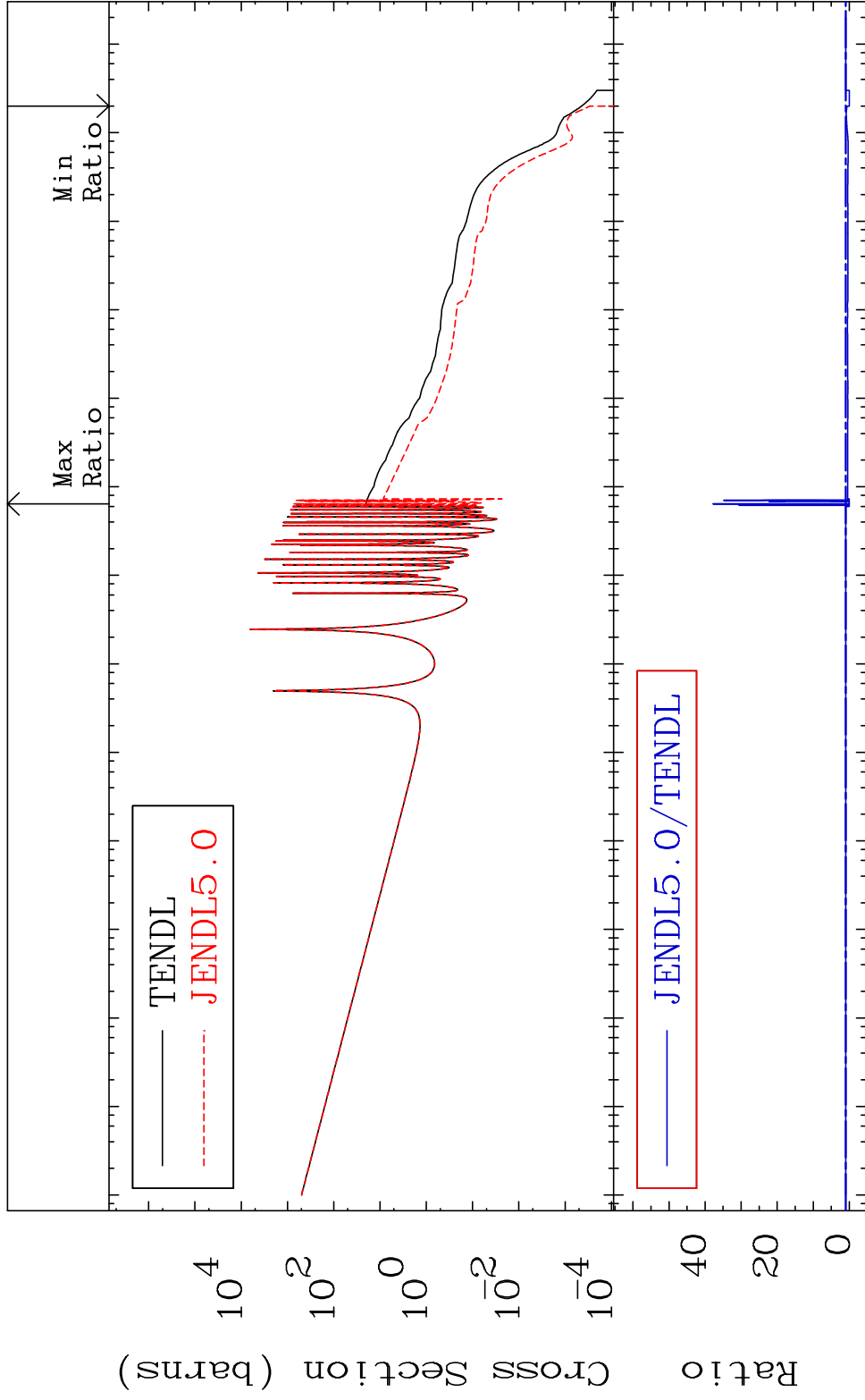


MAT 6931

(n,  $\gamma$ )

69-Tm-171

Cross Section -100.0 To 3675. %



40

Incident Energy (eV)

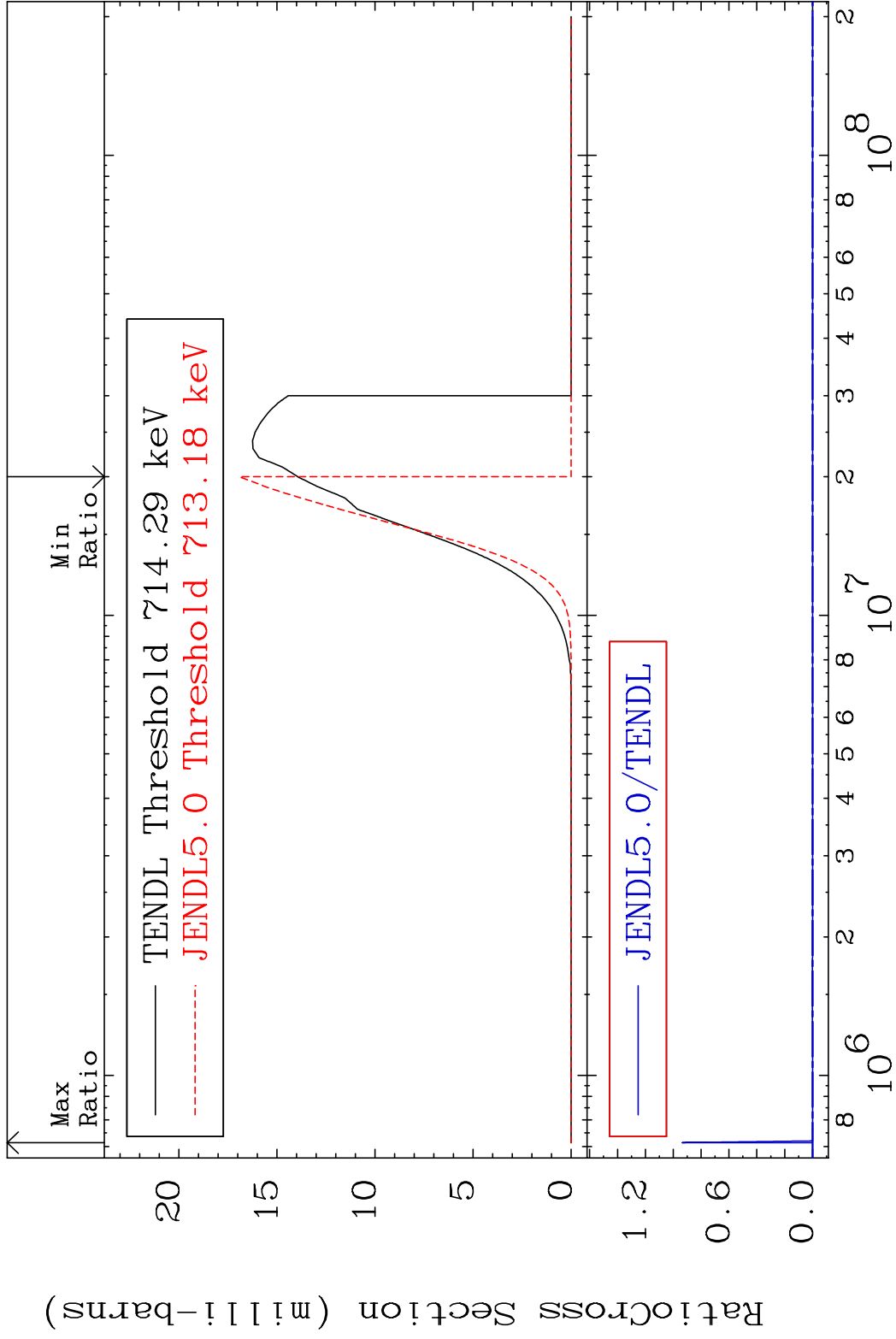
69-Tm-171

MAT 6931

(n, p)

69-Tm-171

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

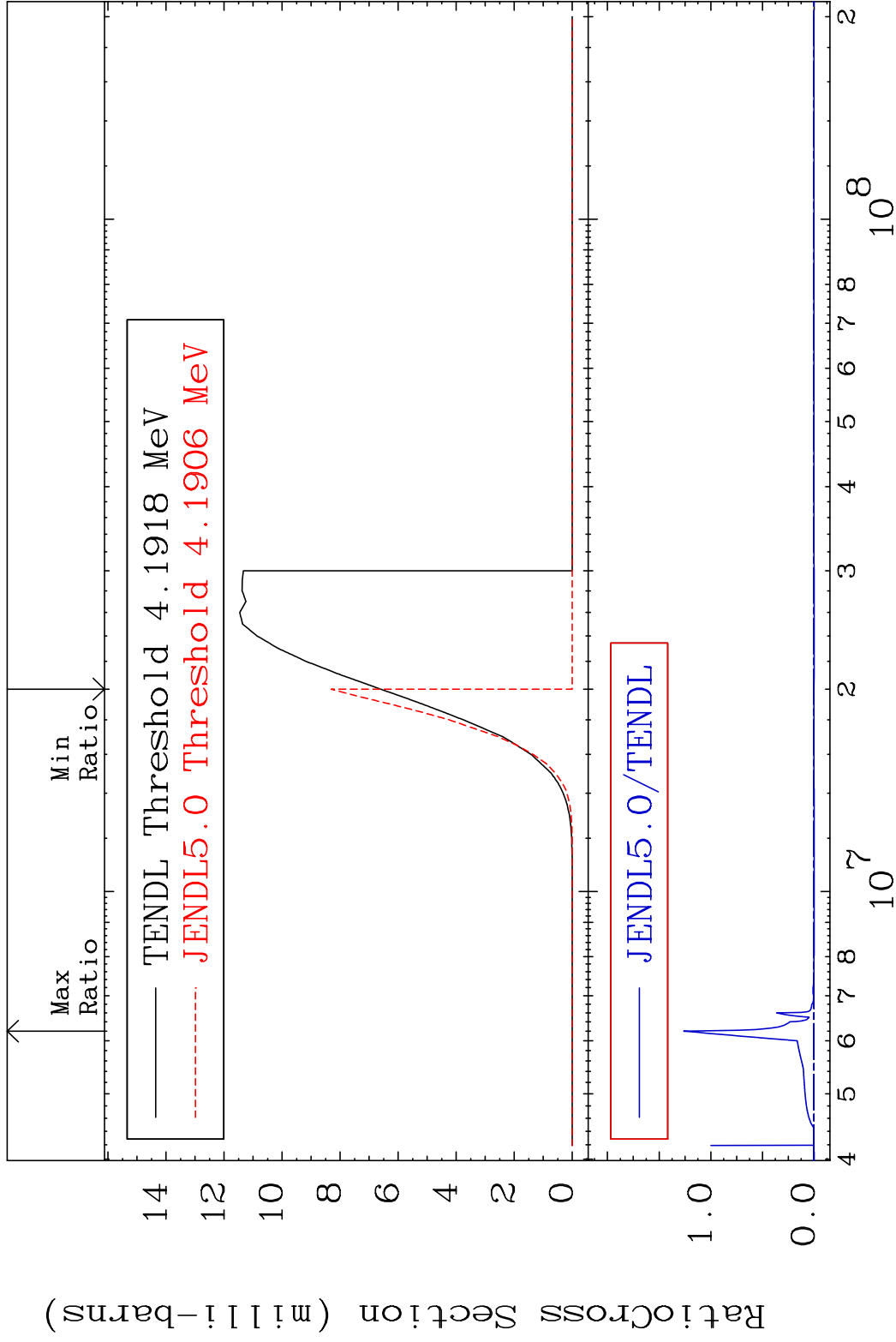
69-Tm-171

MAT 6931

(n, d)

69-Tm-171

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

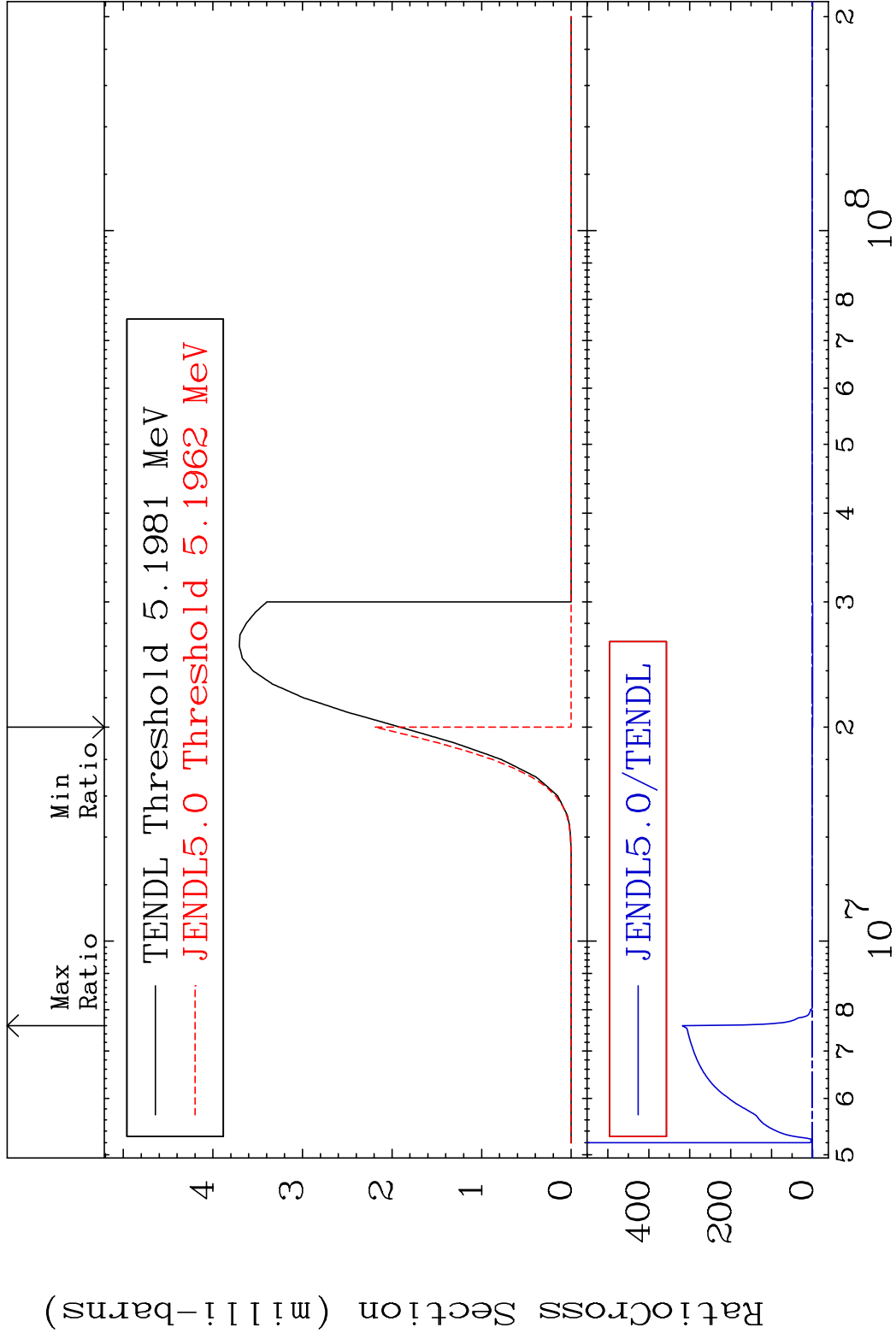
69-Tm-171

MAT 6931

(n, t)

69-Tm-171

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

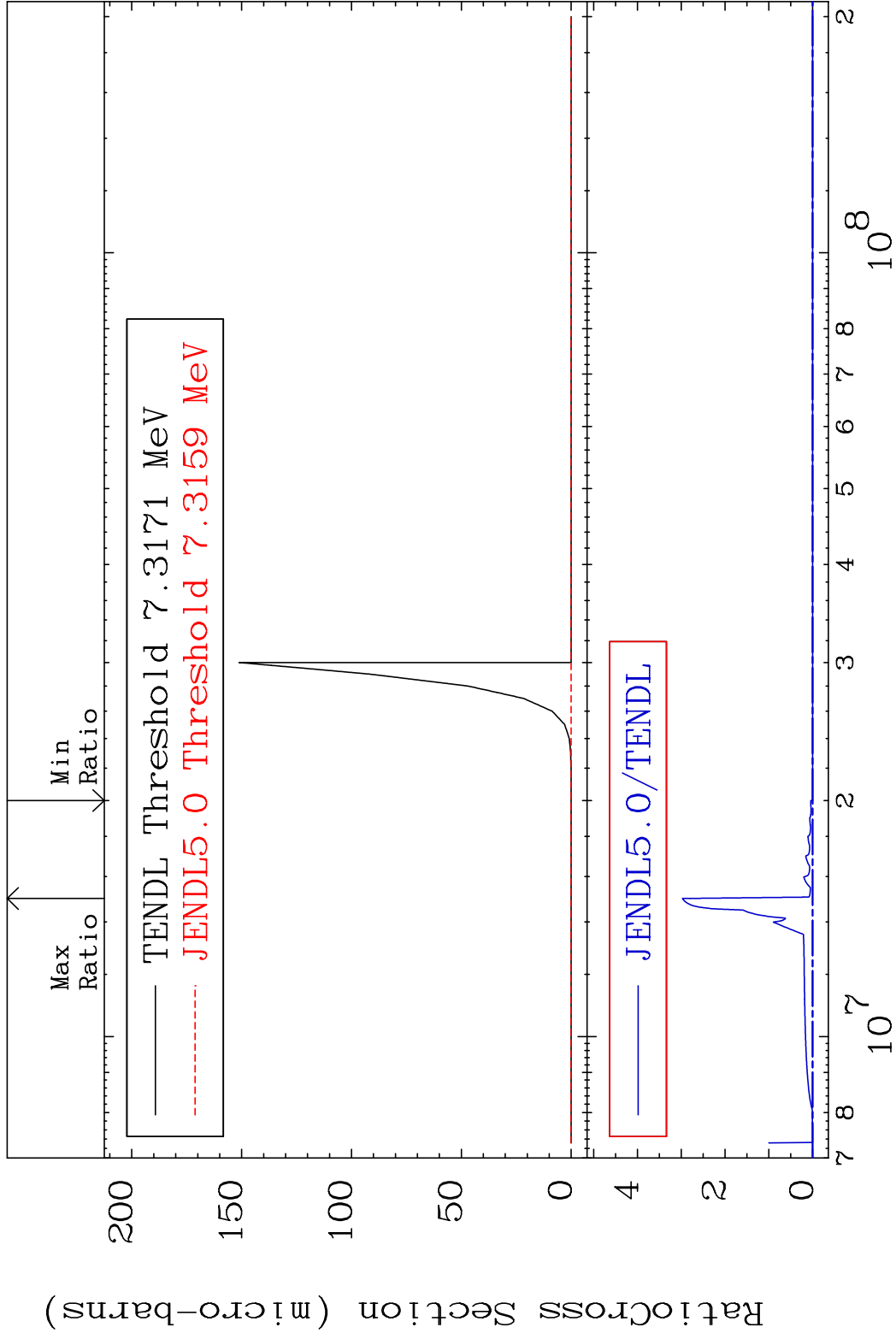
69-Tm-171

MAT 6931

(n, He-3)

69-Tm-171

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

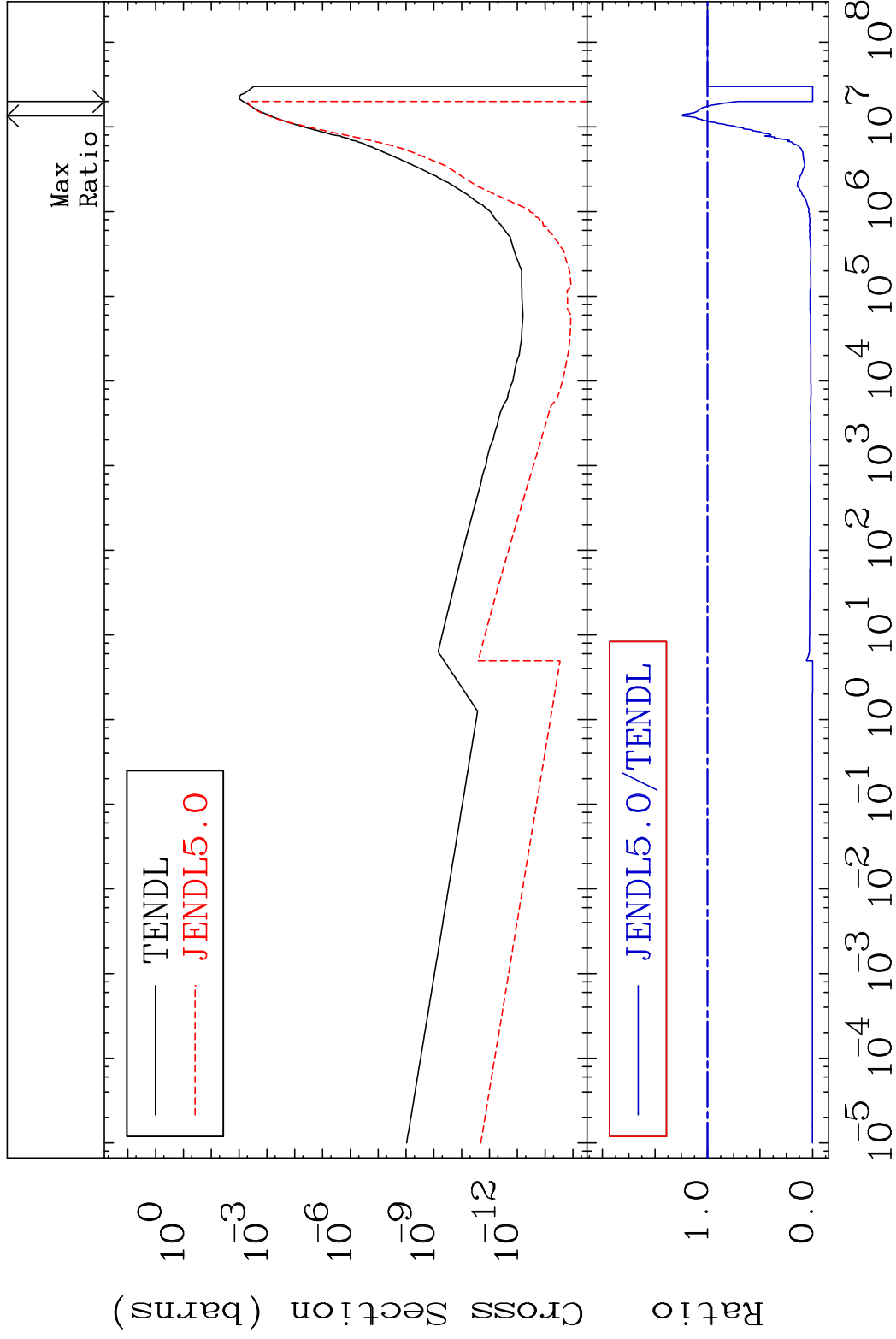
69-Tm-171

MAT 6931

(n,  $\alpha$ )

69-Tm-171

Cross Section -100.0 To 23.93 %



45

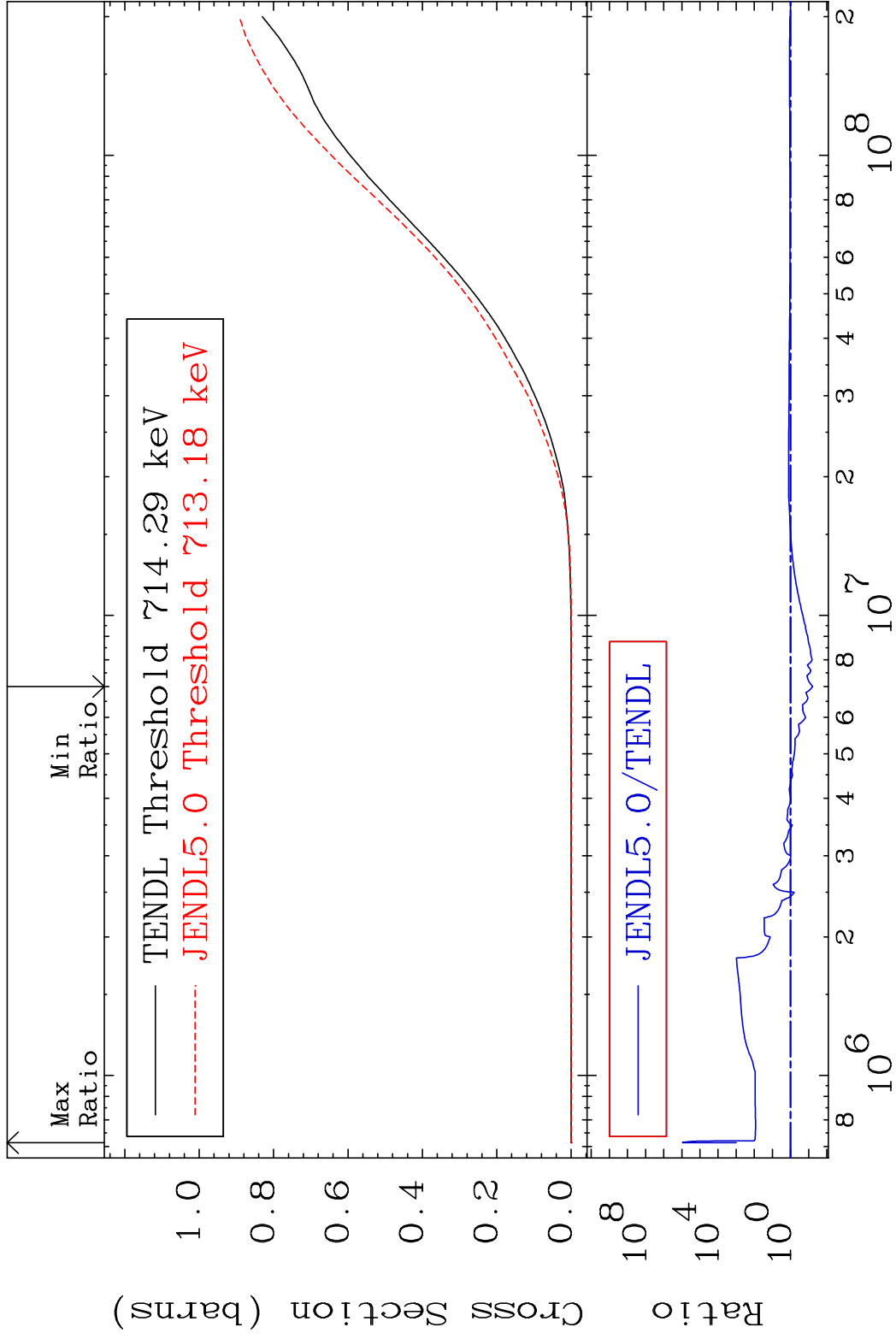
Incident Energy (eV)

69-Tm-171

MAT 6931

Hydrogen Production 69-Tm-171

Cross Section -93.91 To 9999. %



46

Incident Energy (eV)

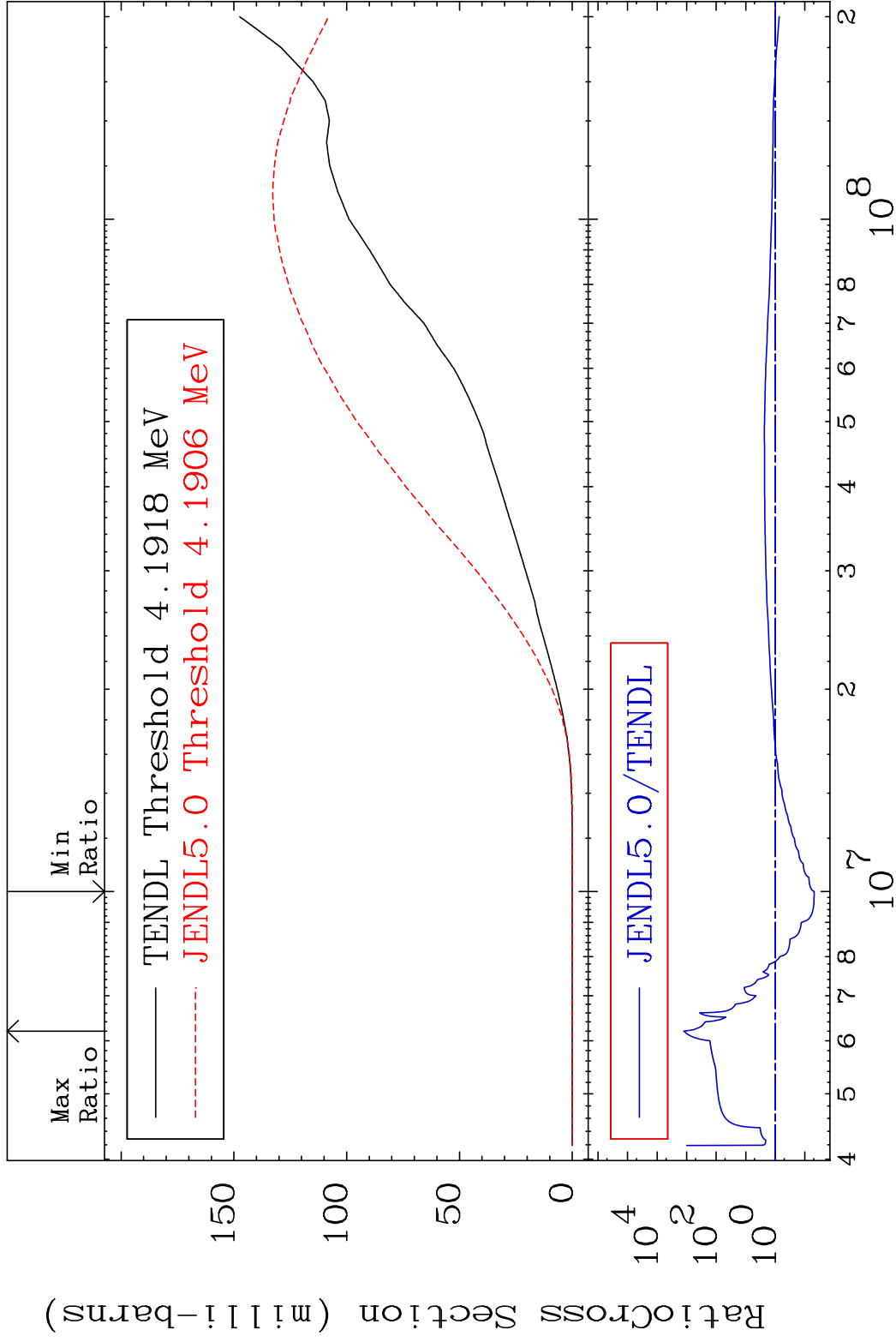
69-Tm-171

MAT 6931

Deuterium Production

69-Tm-171

Cross Section -95.16 To 9999. %



47

Incident Energy (eV)

69-Tm-171

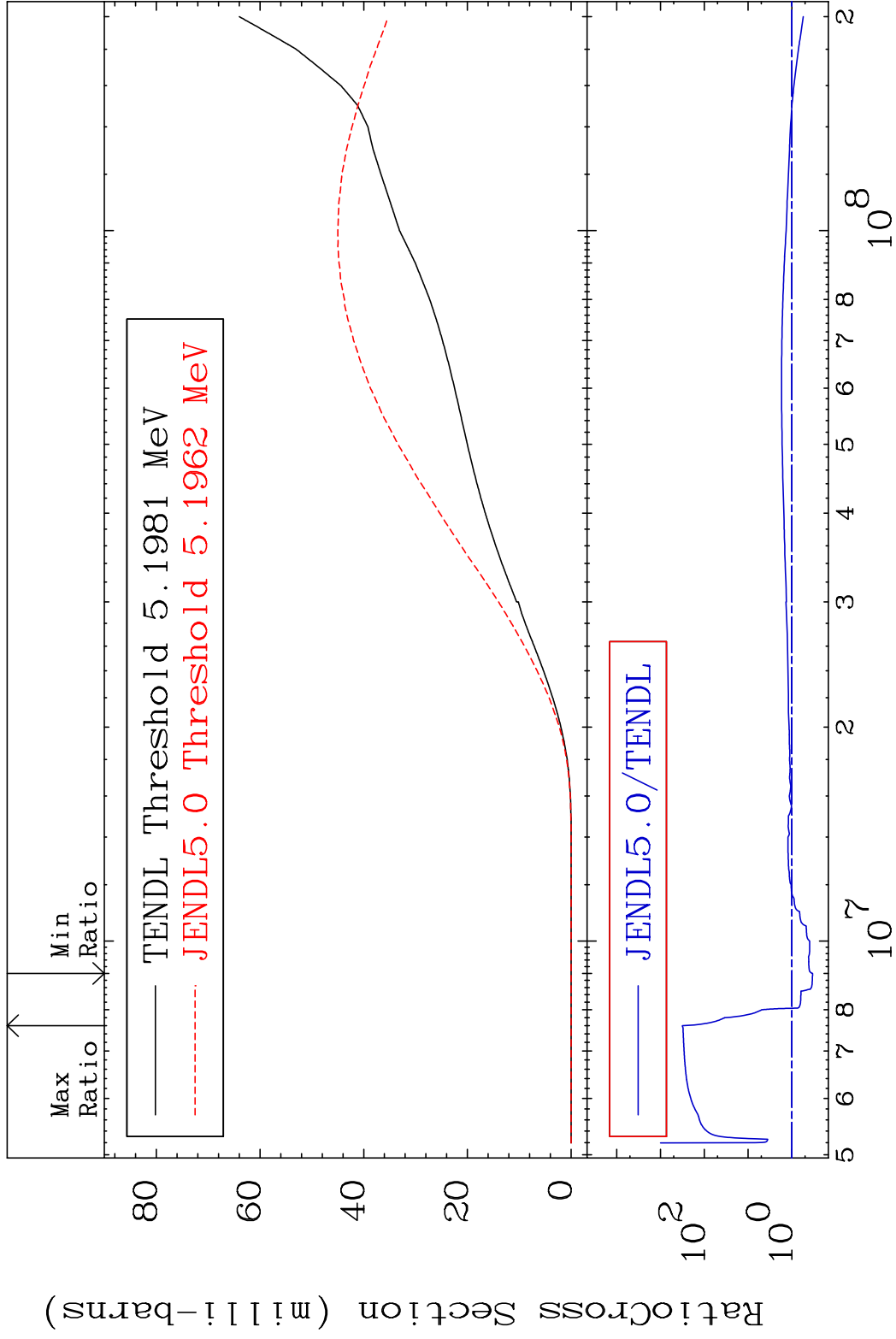


MAT 6931

Tritium Production

69-Tm-171

Cross Section -66.30 To 9999. %



48

Incident Energy (eV)

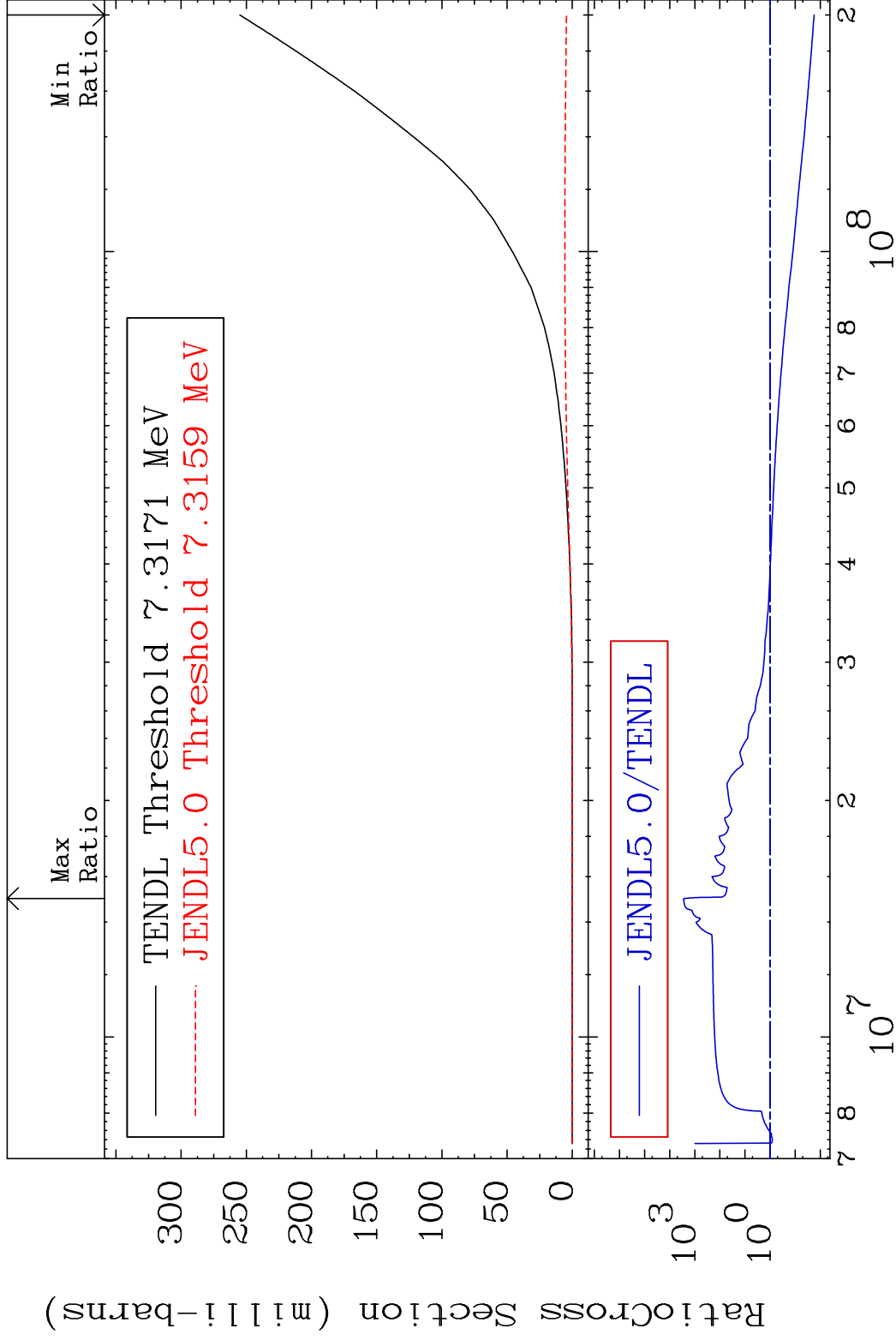
69-Tm-171

MAT 6931

He-3 Production

69-Tm-171

Cross Section -98.24 To 9999. %



49

Incident Energy (eV)

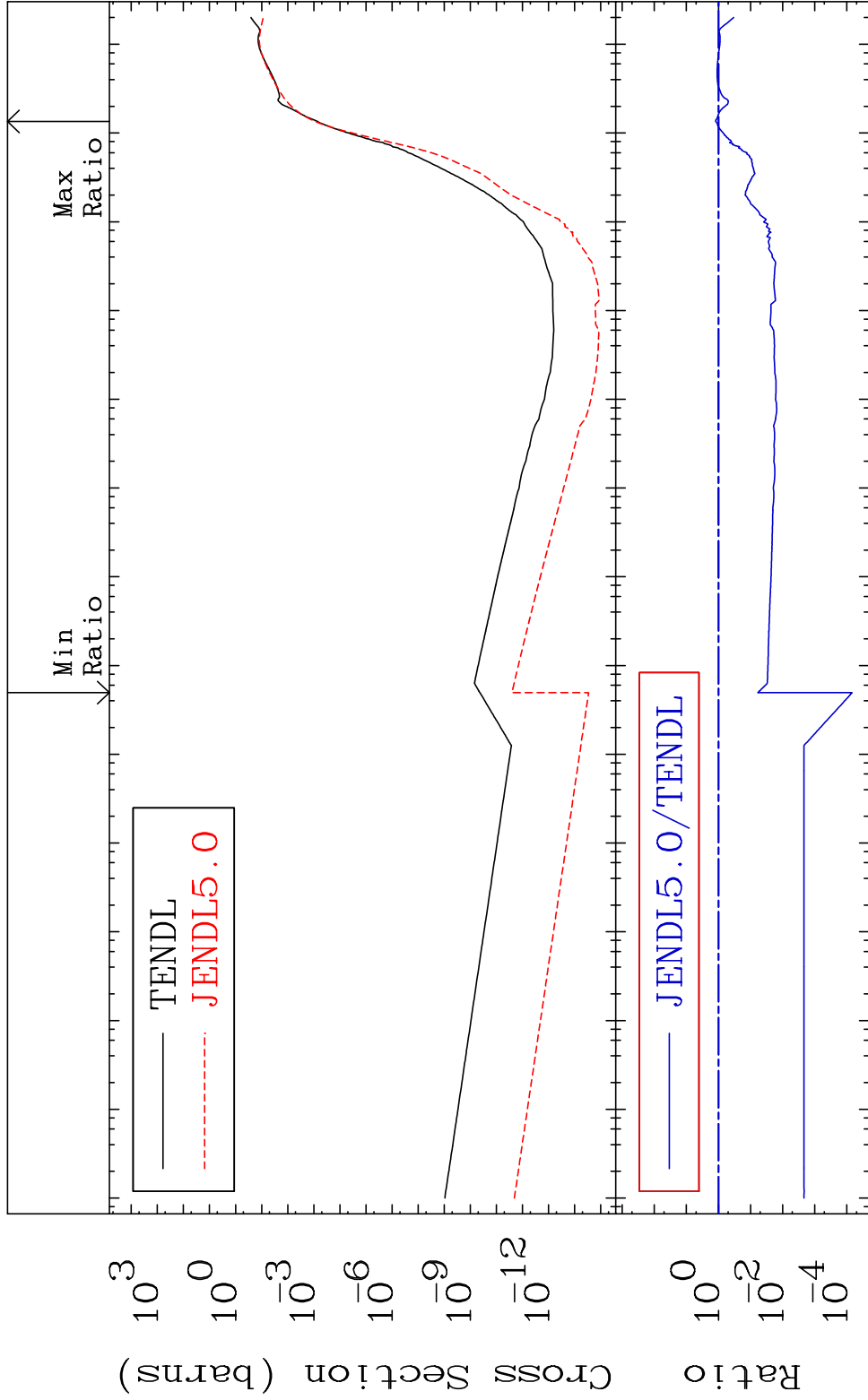
69-Tm-171

MAT 6931

He-4 Production

69-Tm-171

Cross Section -99.99 To 22.35 %



50

Incident Energy (eV)

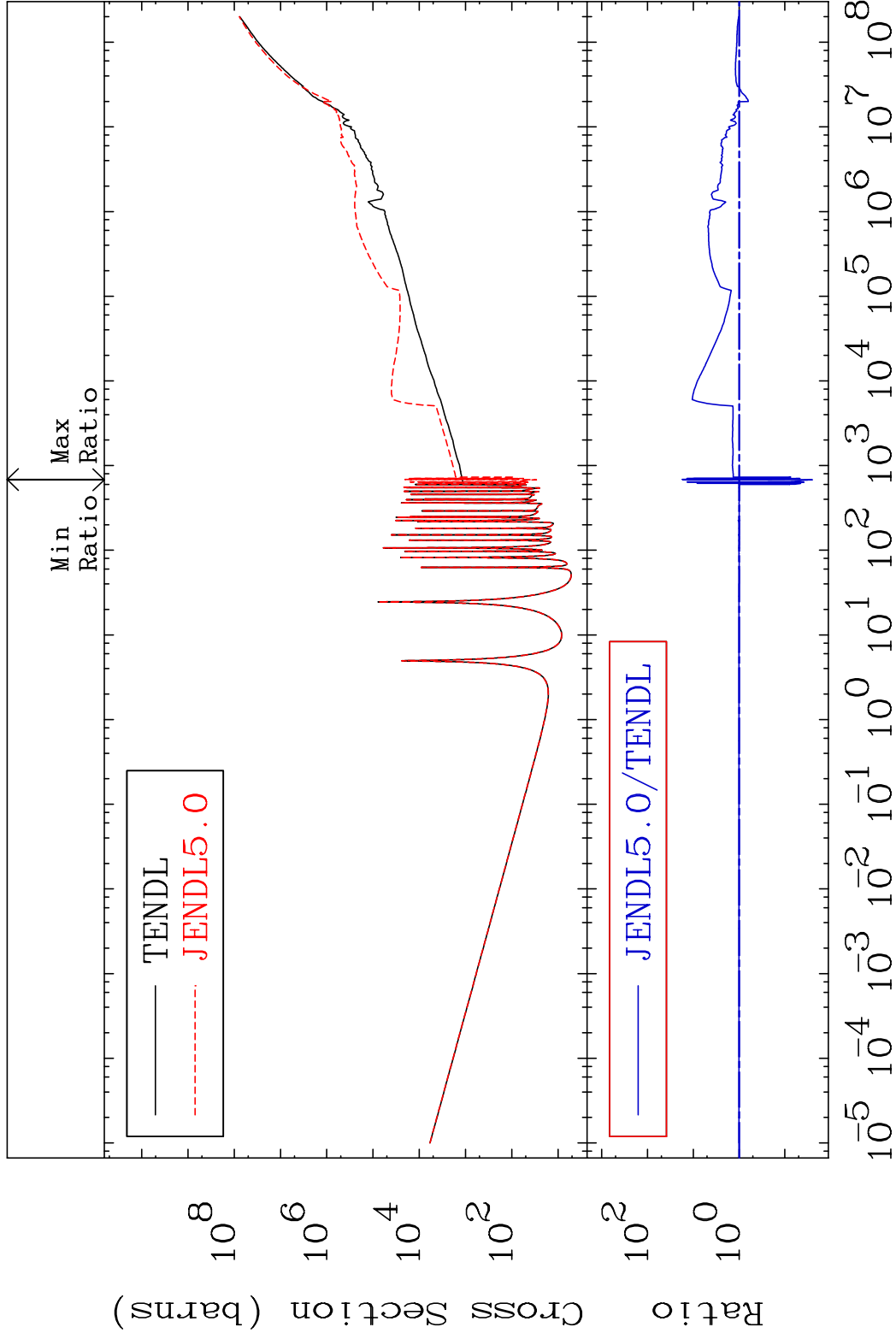
69-Tm-171

MAT 6931

Kerma total (eV-barns)

69-Tm-171

Cross Section -97.51 To 1635. %



51

Incident Energy (eV)

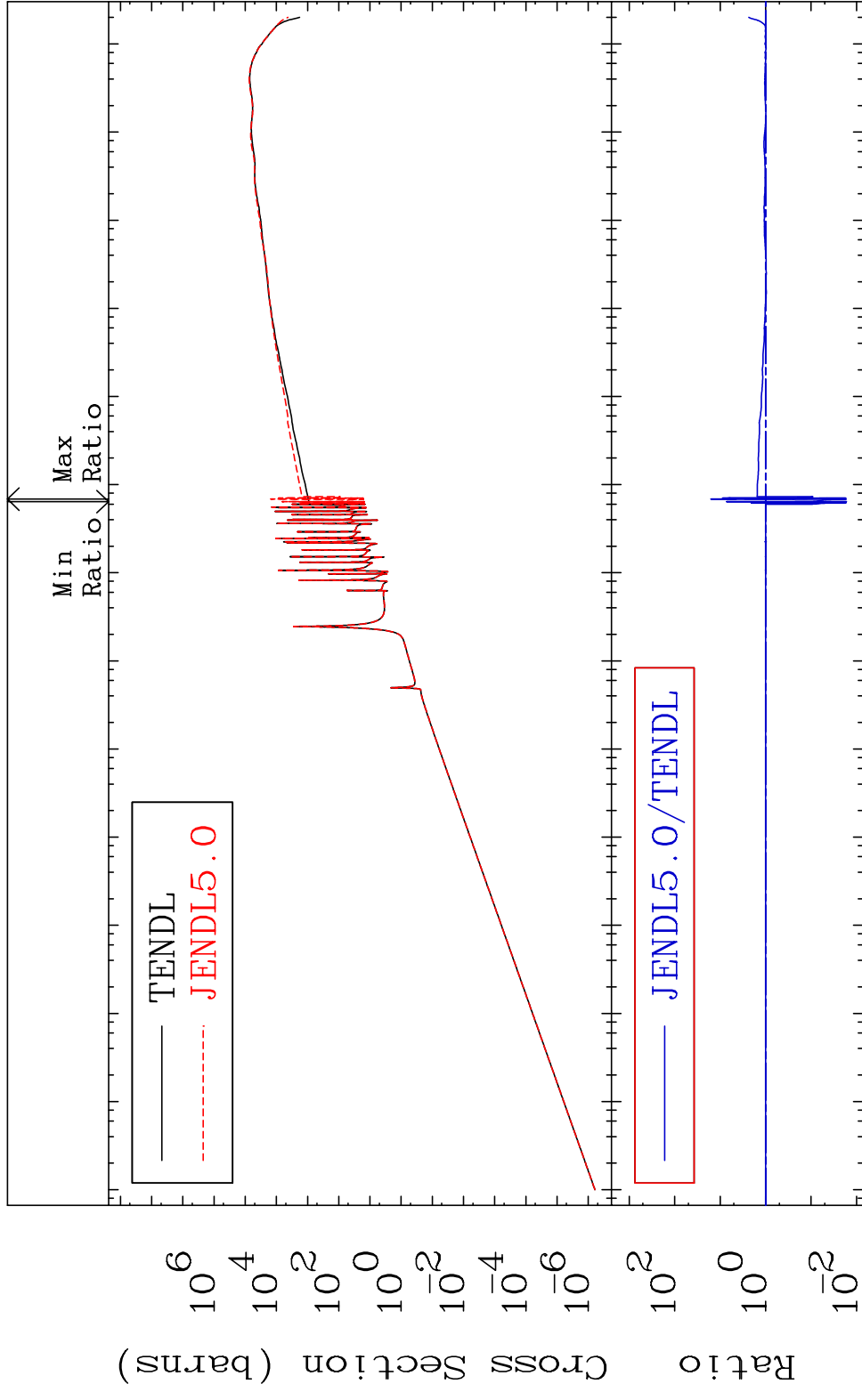
69-Tm-171

MAT 6931

Kerma elastic

69-Tm-171

Cross Section -98.32 To 1513. %

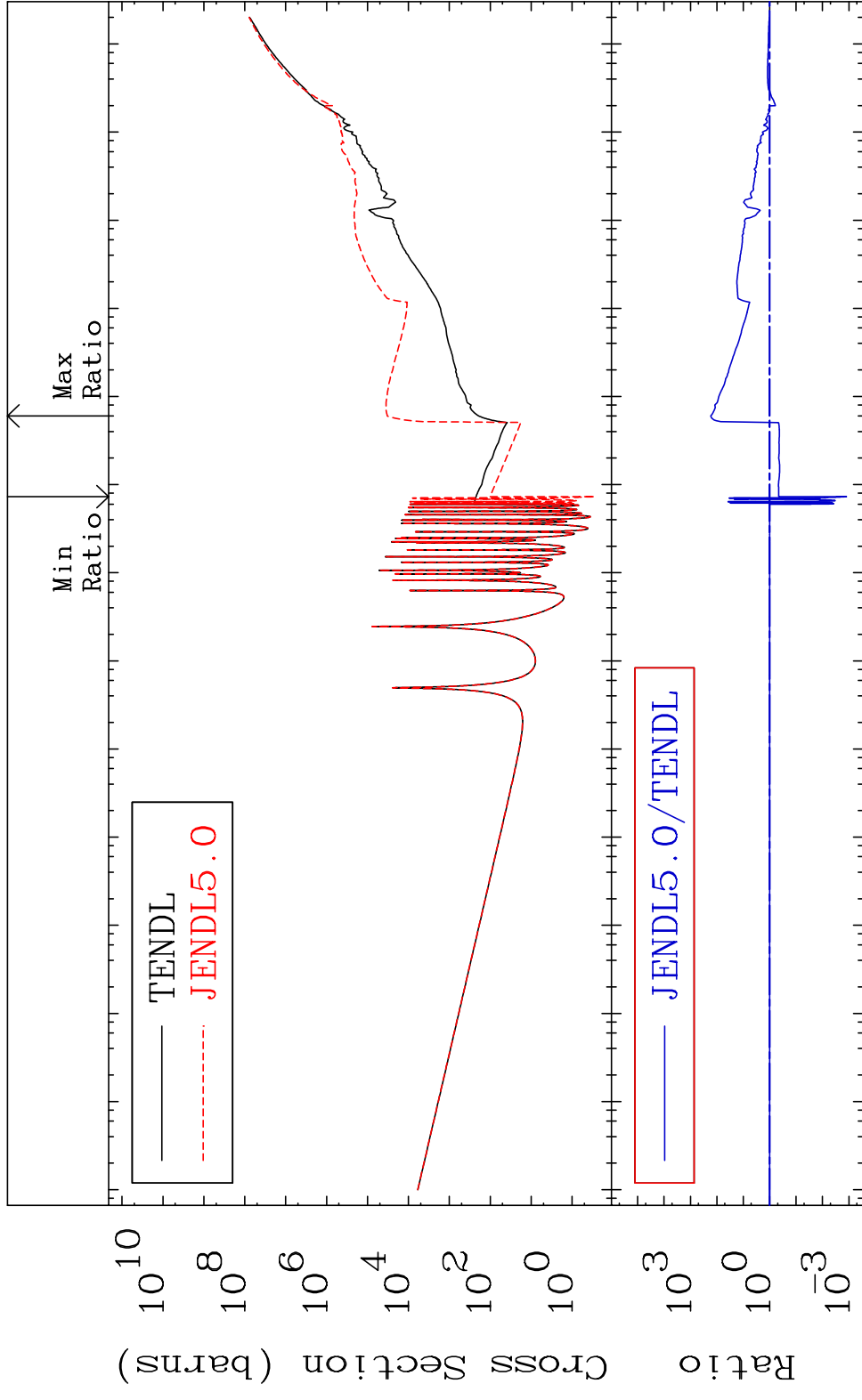


52

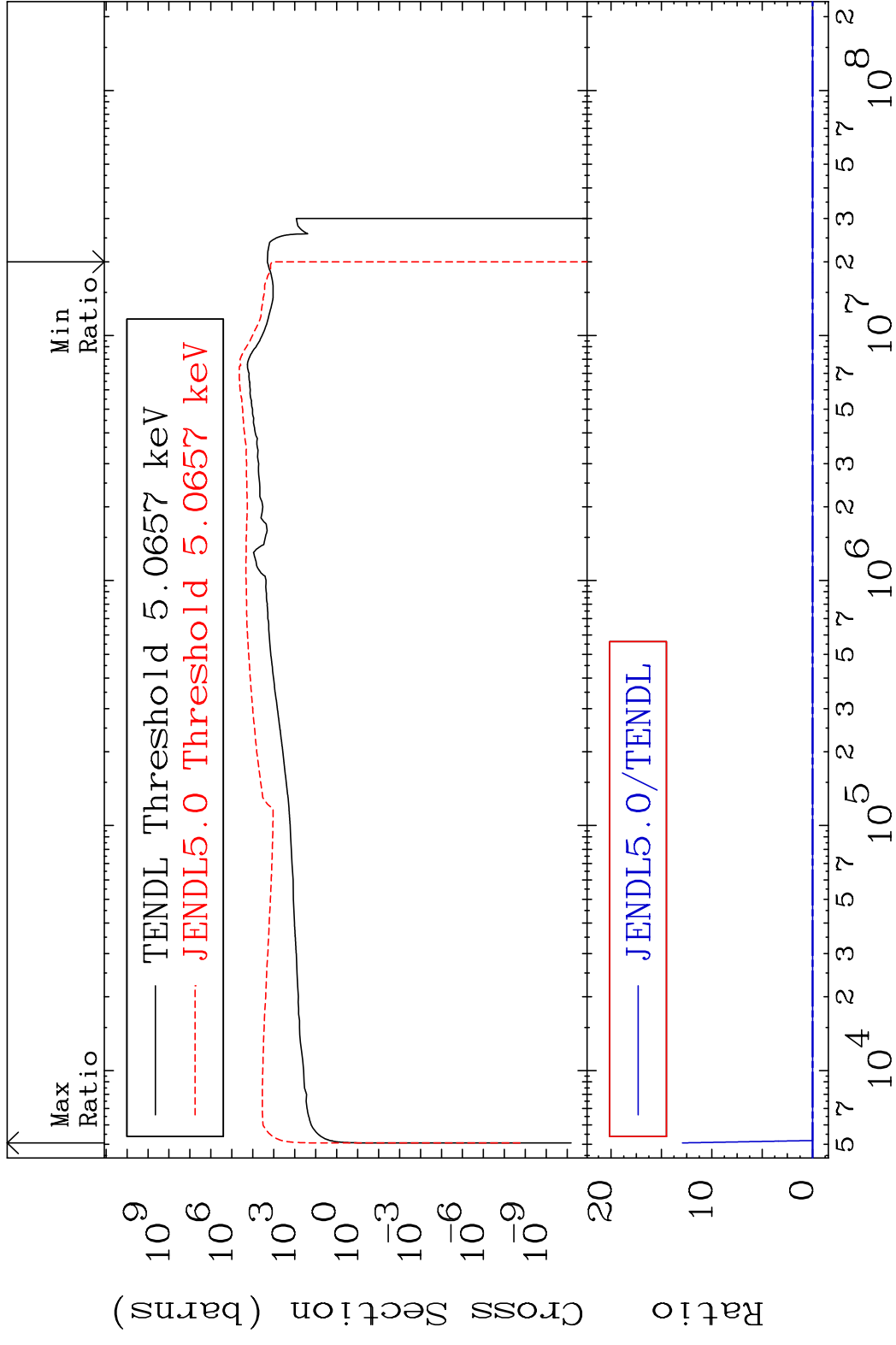
Incident Energy (eV)

69-Tm-171

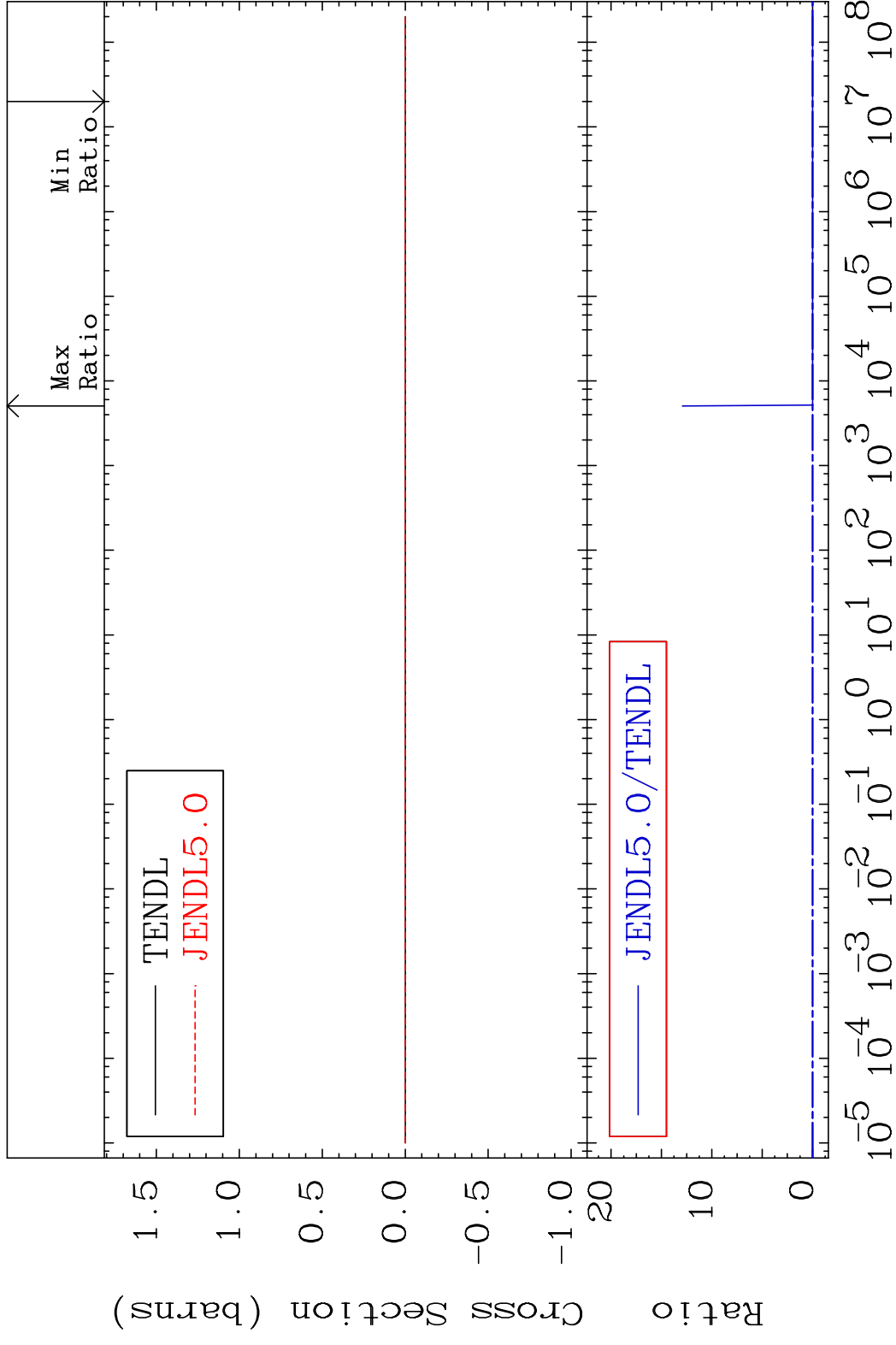
MAT 6931 Kerma non-elastic (all but mt2) 69-Tm-171  
 Cross Section -99.88 To 9999. %



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



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

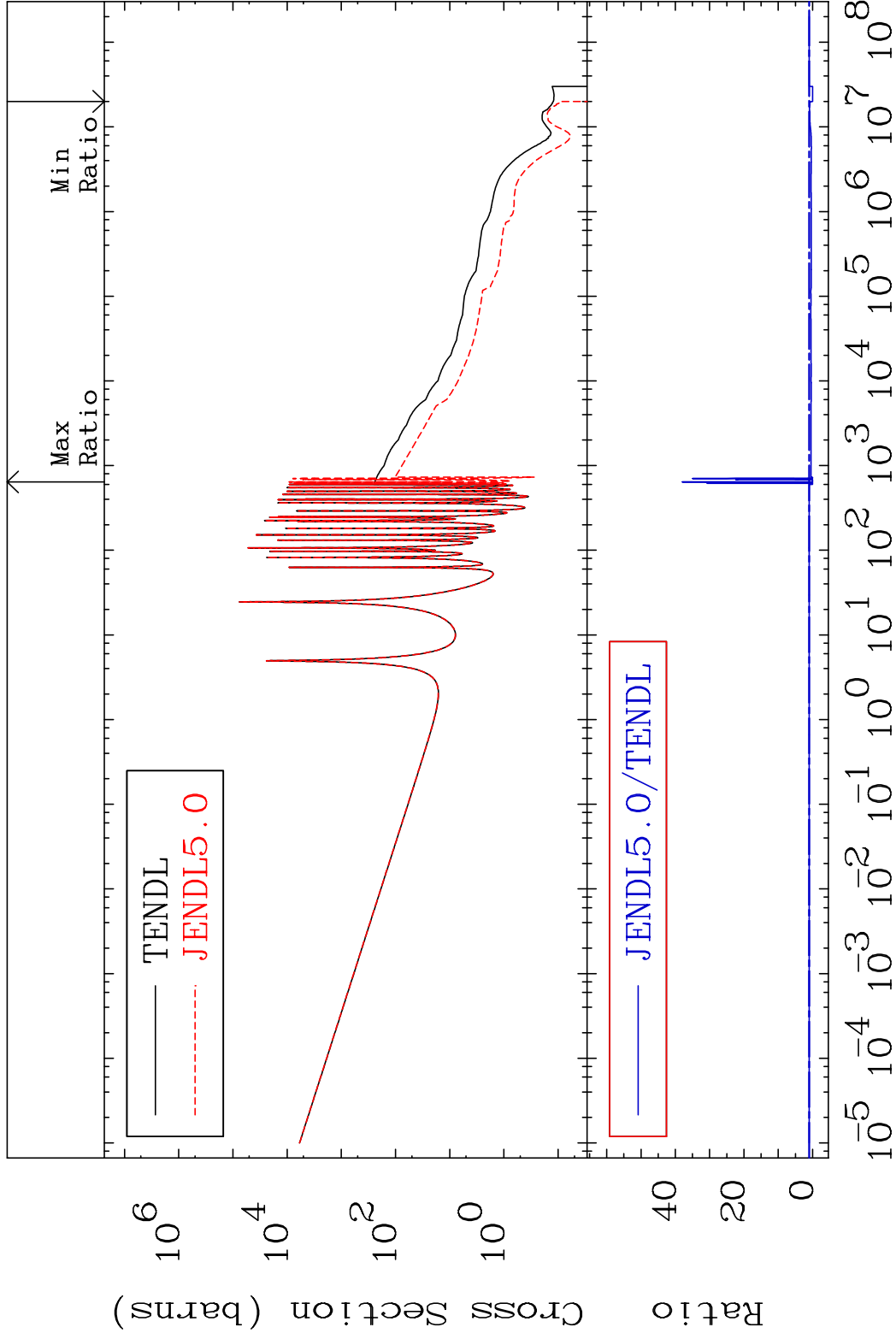




MAT 6931

Kerma capture (mt102) 69-Tm-171

Cross Section -100.0 To 3695. %

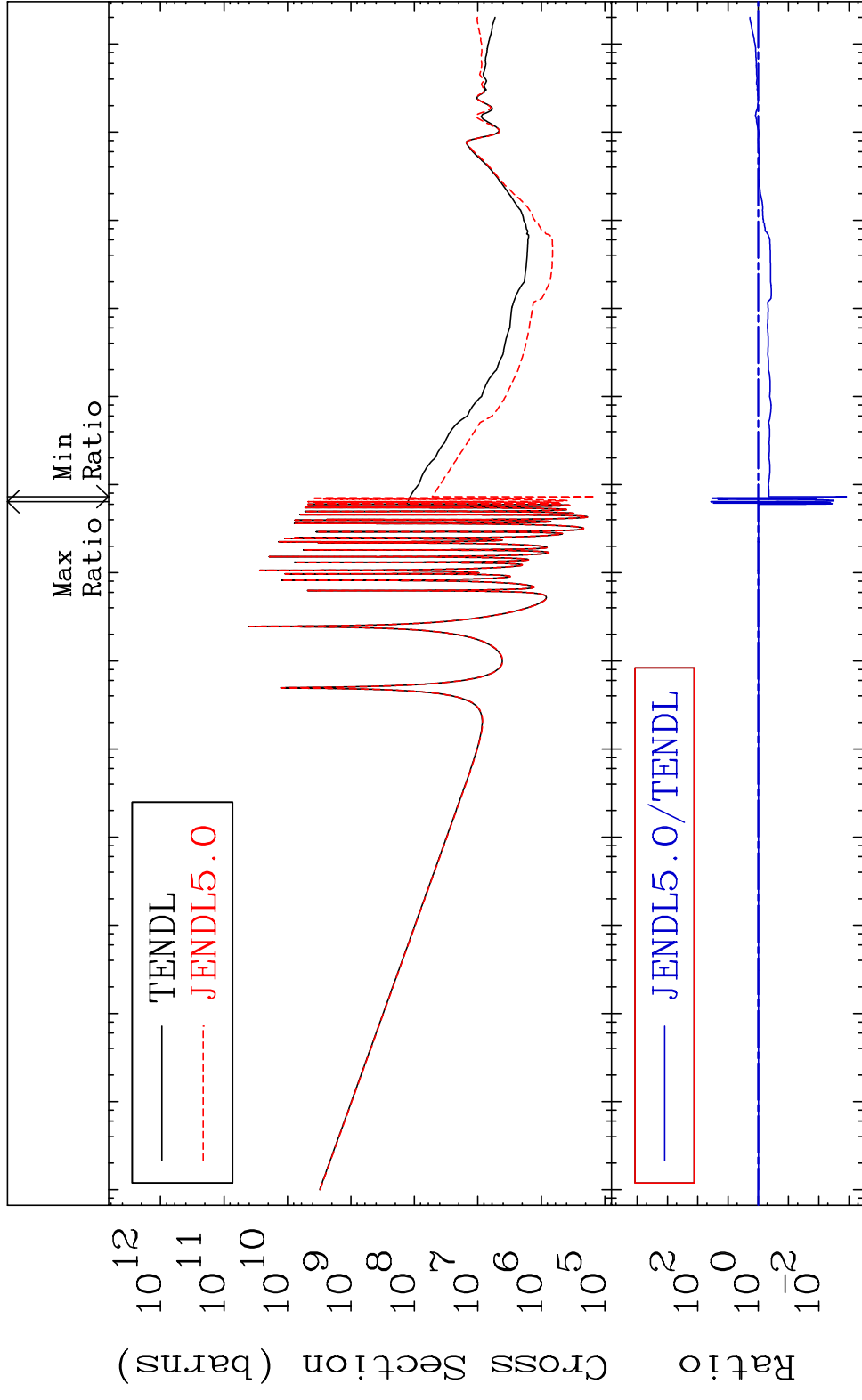


56

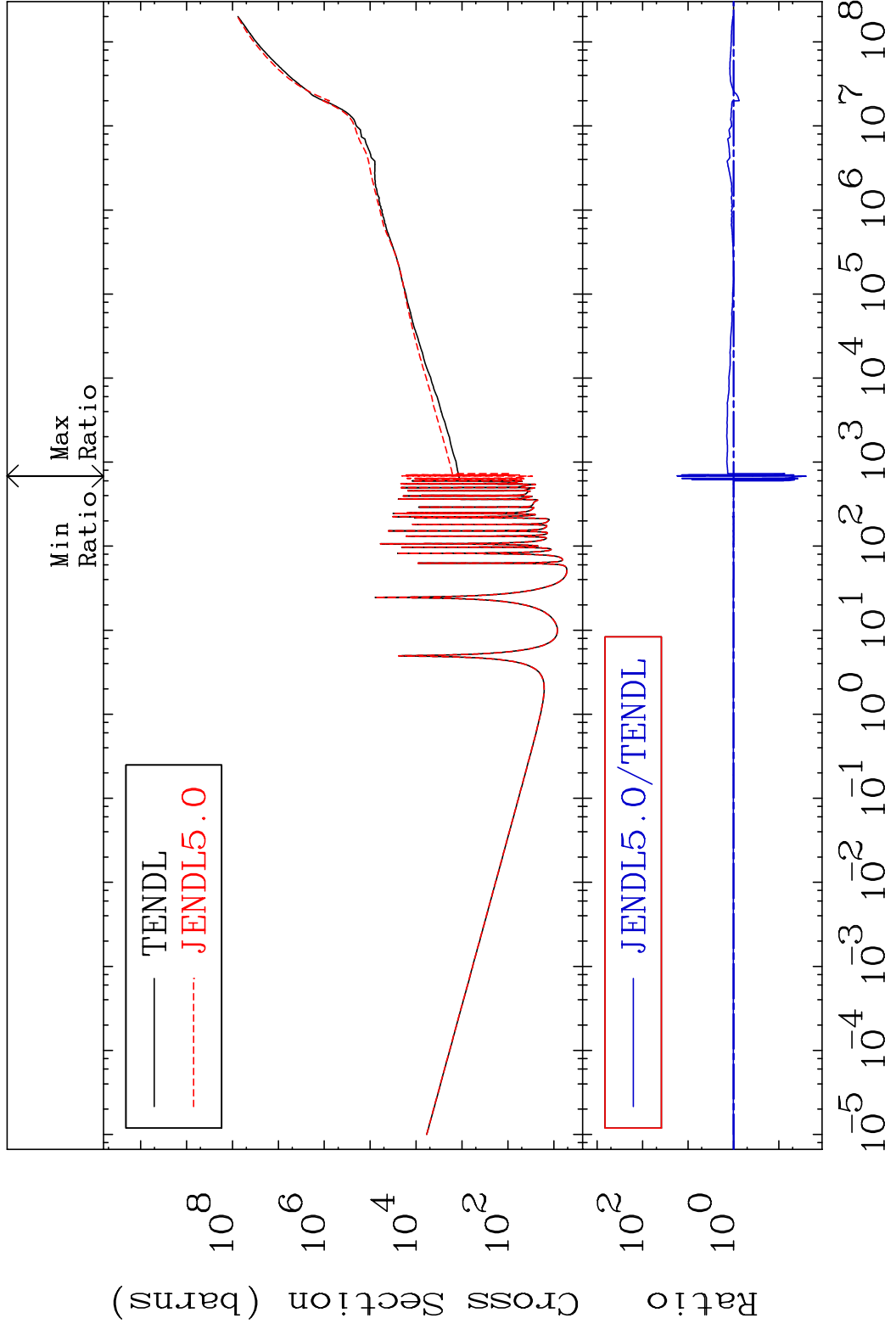
Incident Energy (eV)

69-Tm-171

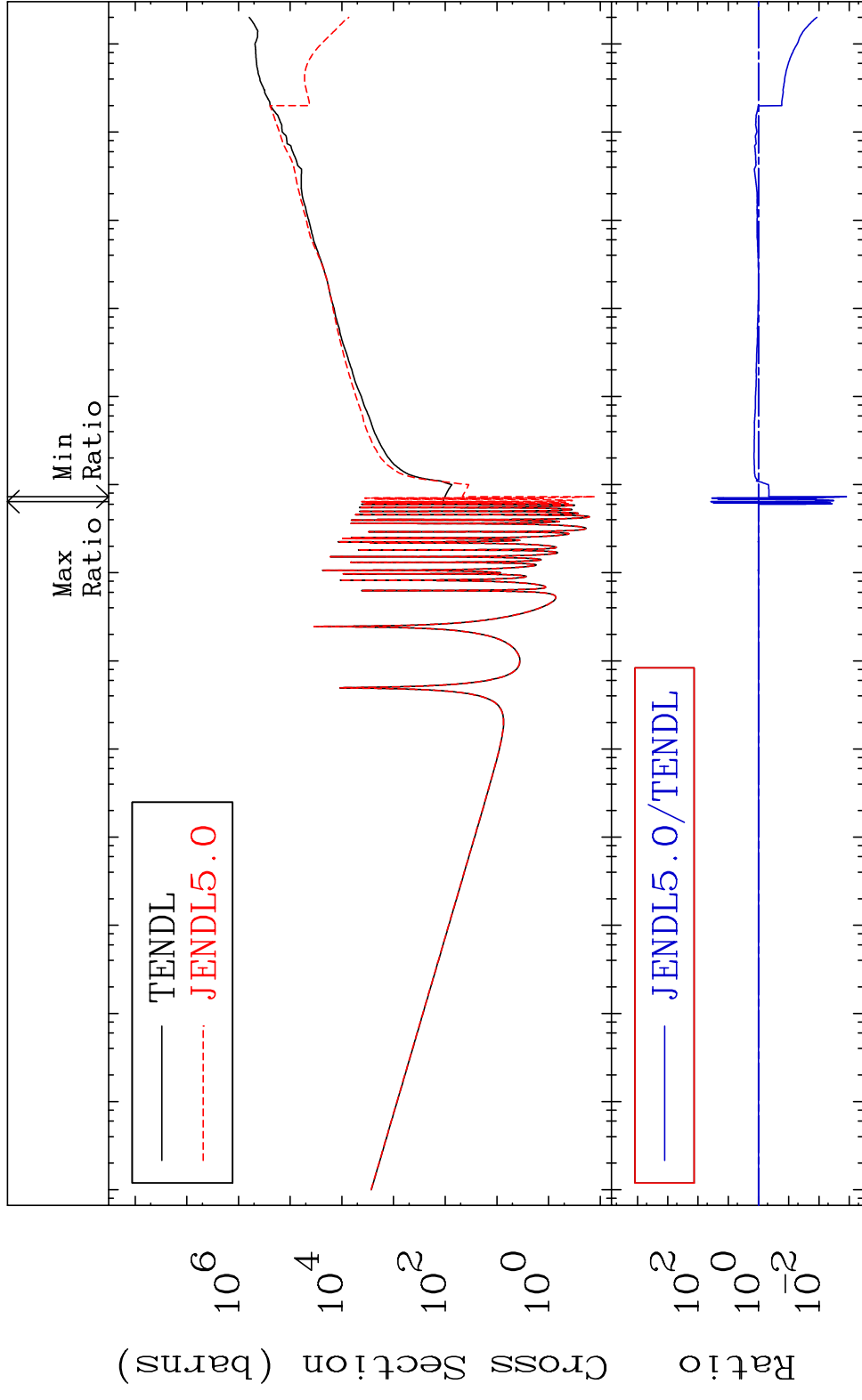
MAT 6931 Total photon (eV-barns) 69-Tm-171  
 Cross Section -99.88 To 3625. %



MAT 6931 Total kinematic kerma (high limit) 69-Tm-171  
 Cross Section -97.51 To 1635. %



MAT 6931      Dpa total (eV-barns)      69-Tm-171  
 Cross Section      -99.87 To 3703. %

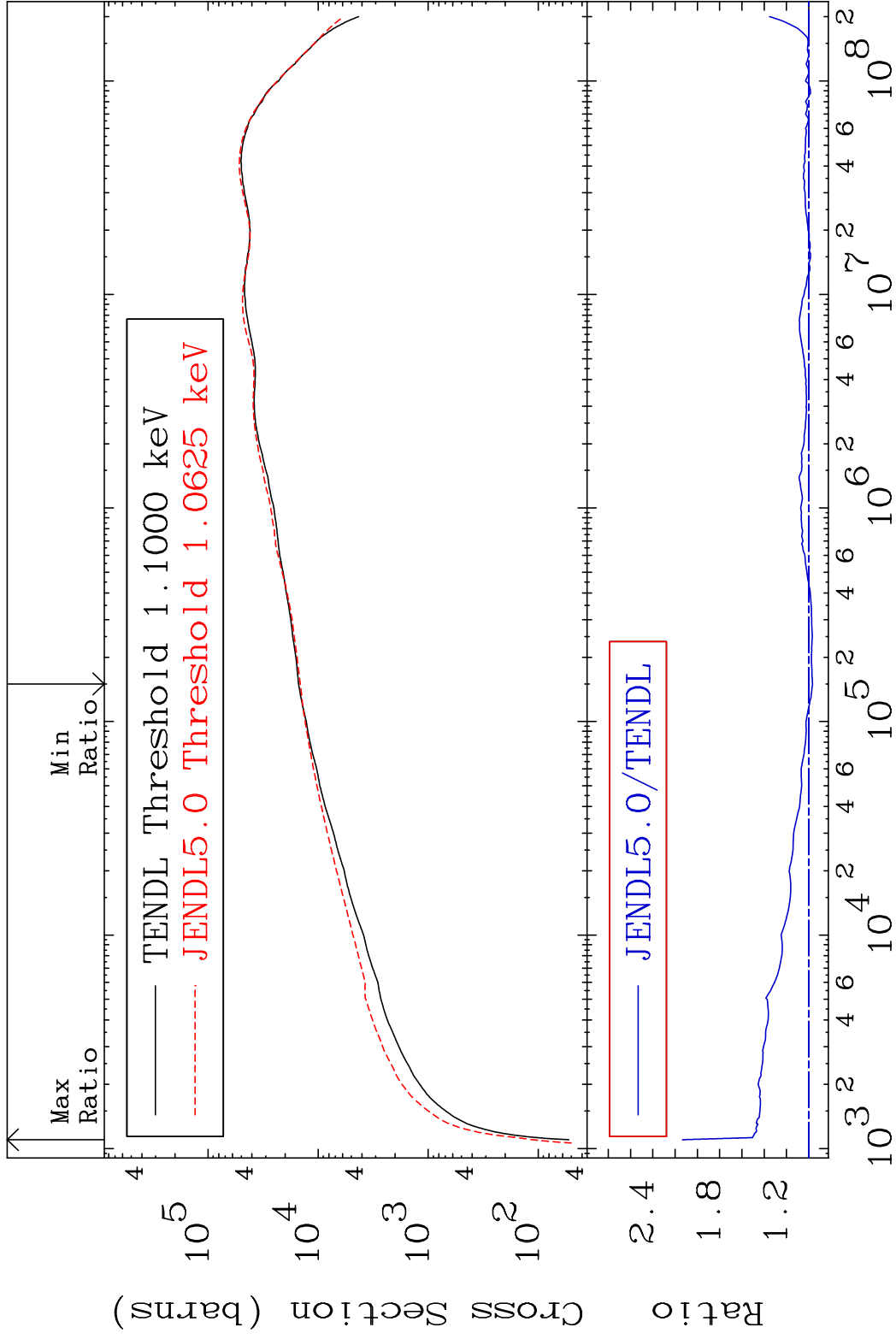


MAT 6931

Dpa elastic (mt2)

69-Tm-171

Cross Section -3.477 To 113.5 %

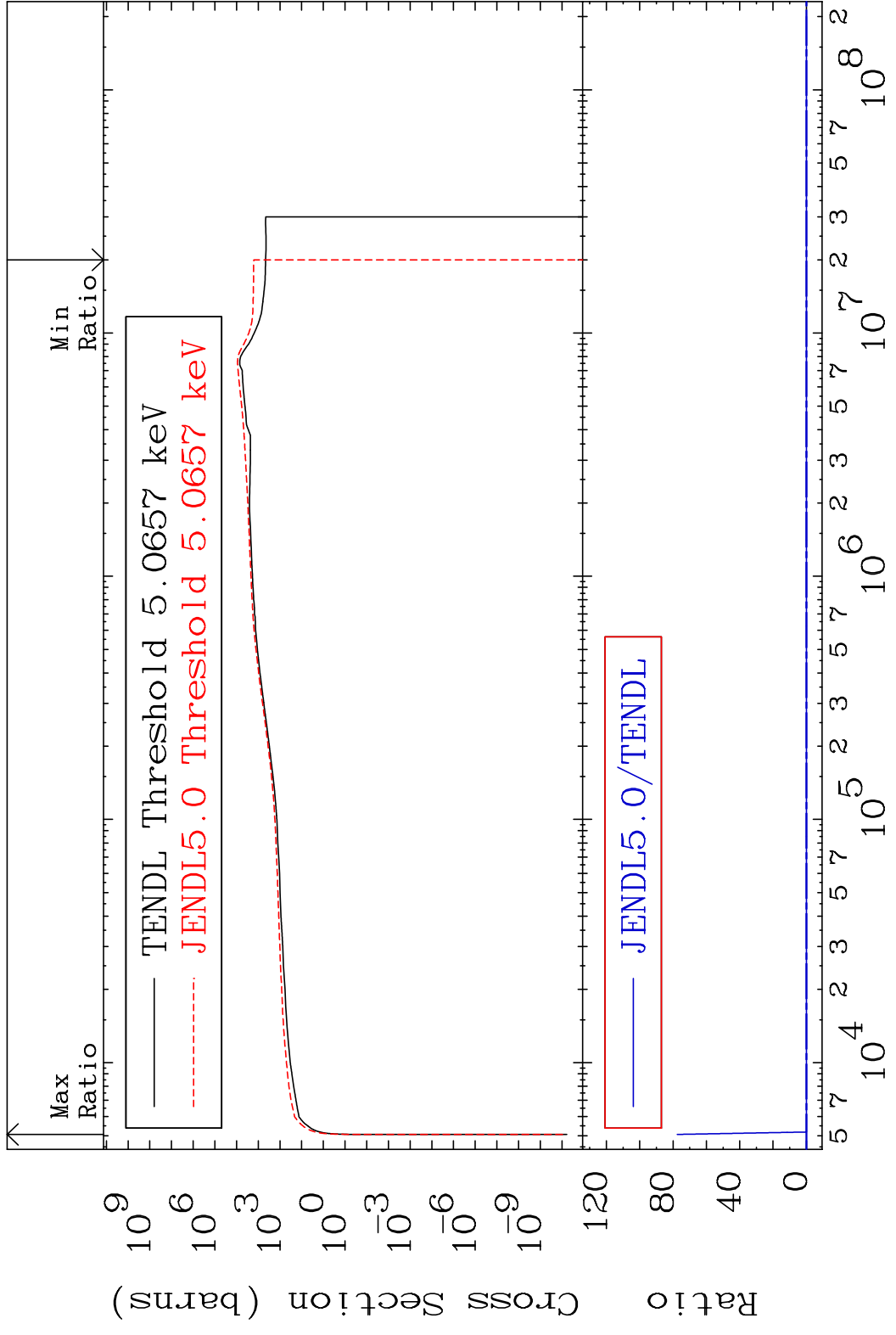


60

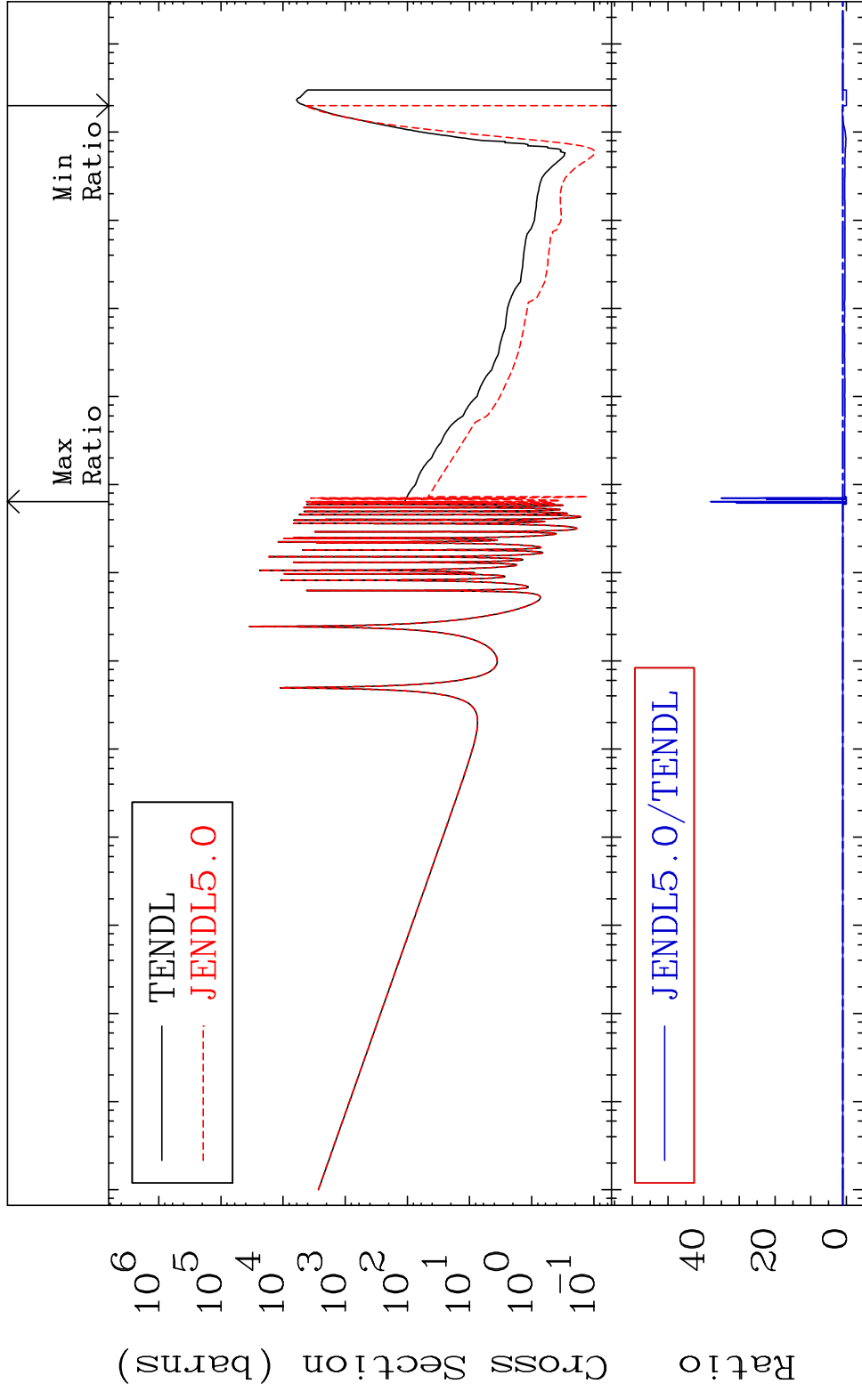
Incident Energy (eV)

69-Tm-171

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



MAT 6931 Dpa disappearance (mt102 -120) 69-Tm-171  
 Cross Section -100.0 To 3703. %



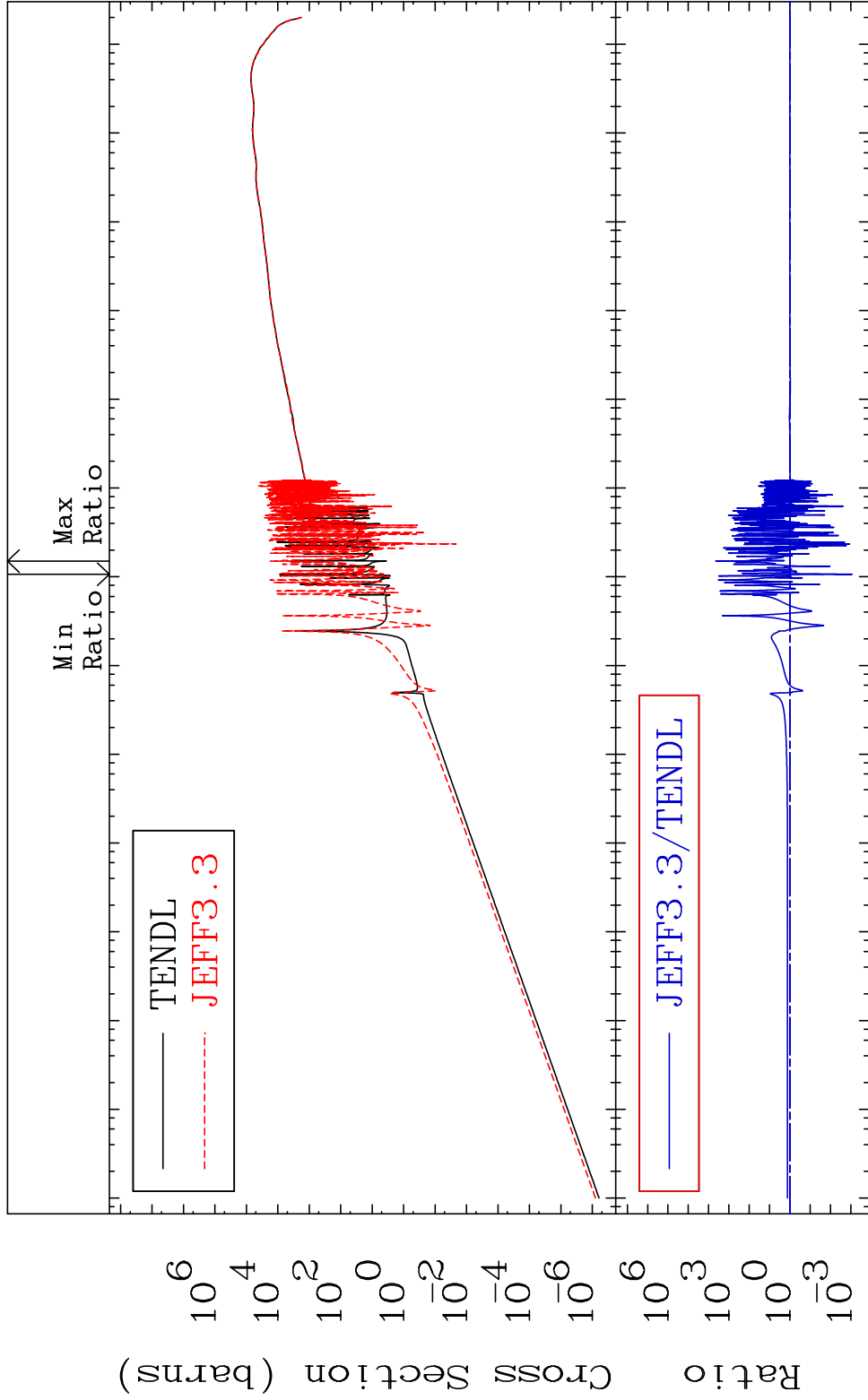
62 Incident Energy (eV) 69-Tm-171

MAT 6931

Kerma elastic

69-Tm-171

Cross Section -99.91 To 9999. %



Min Ratio

Max Ratio

Cross Section (barns)

Ratio

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>

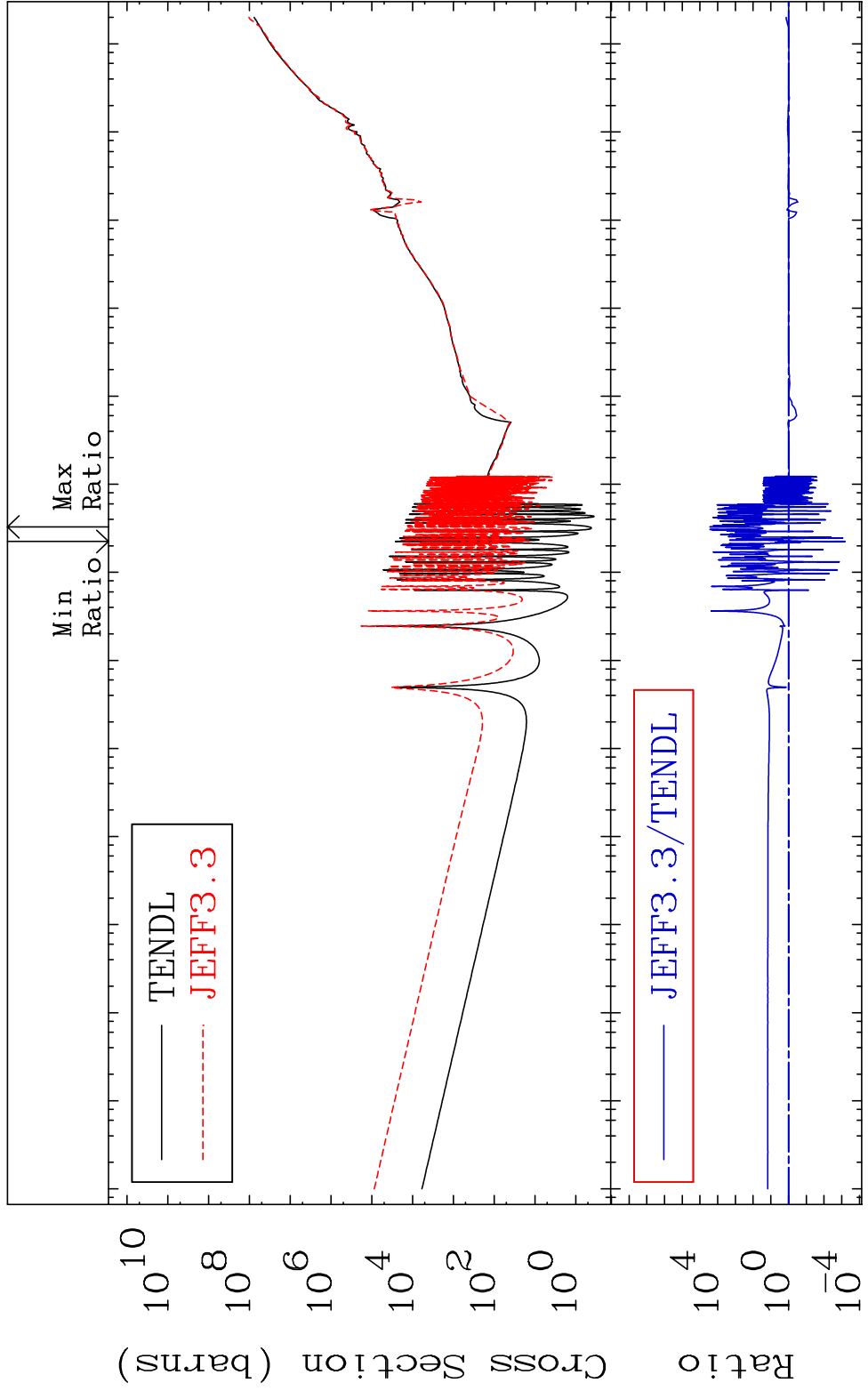
63

Incident Energy (eV)

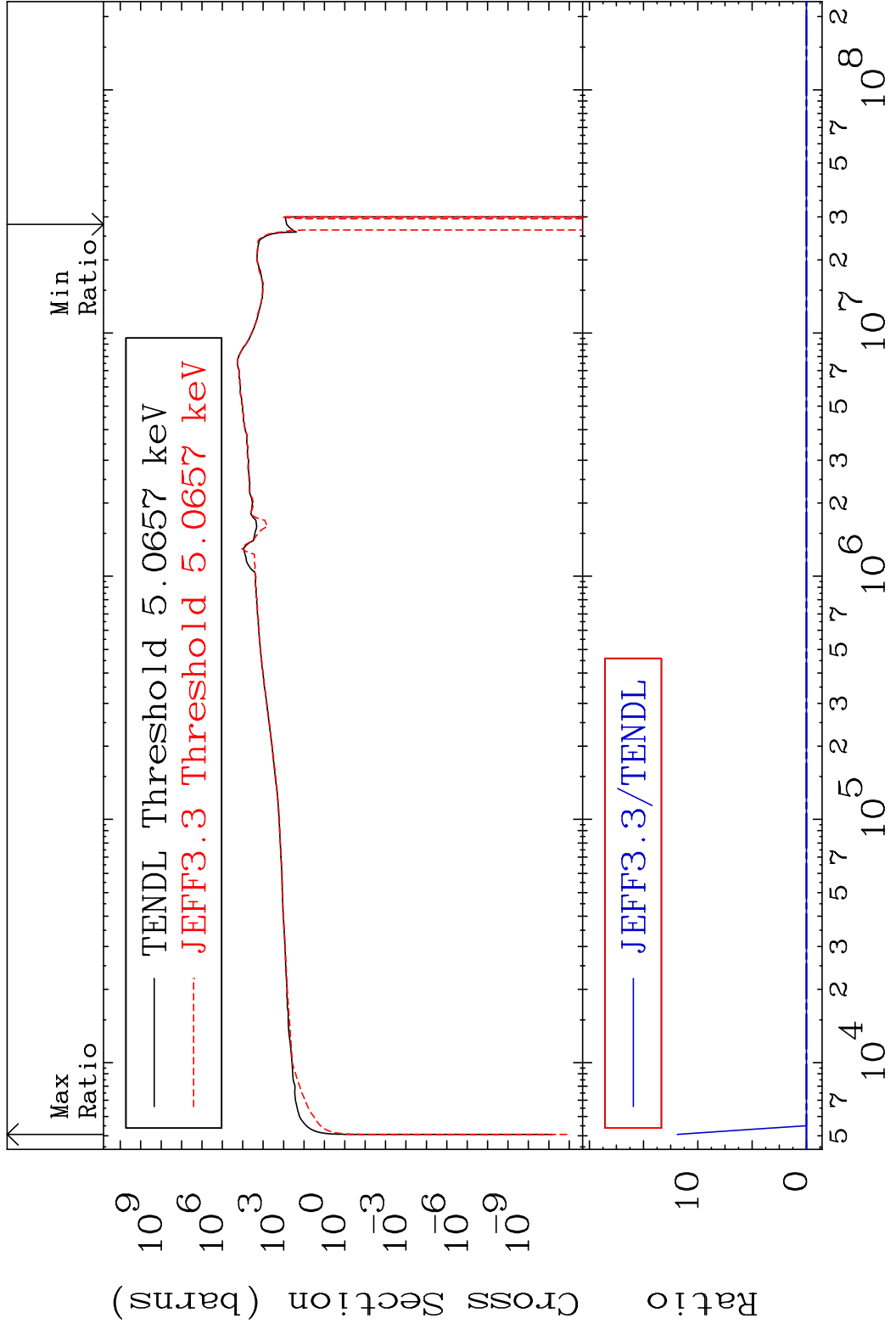
69-Tm-171



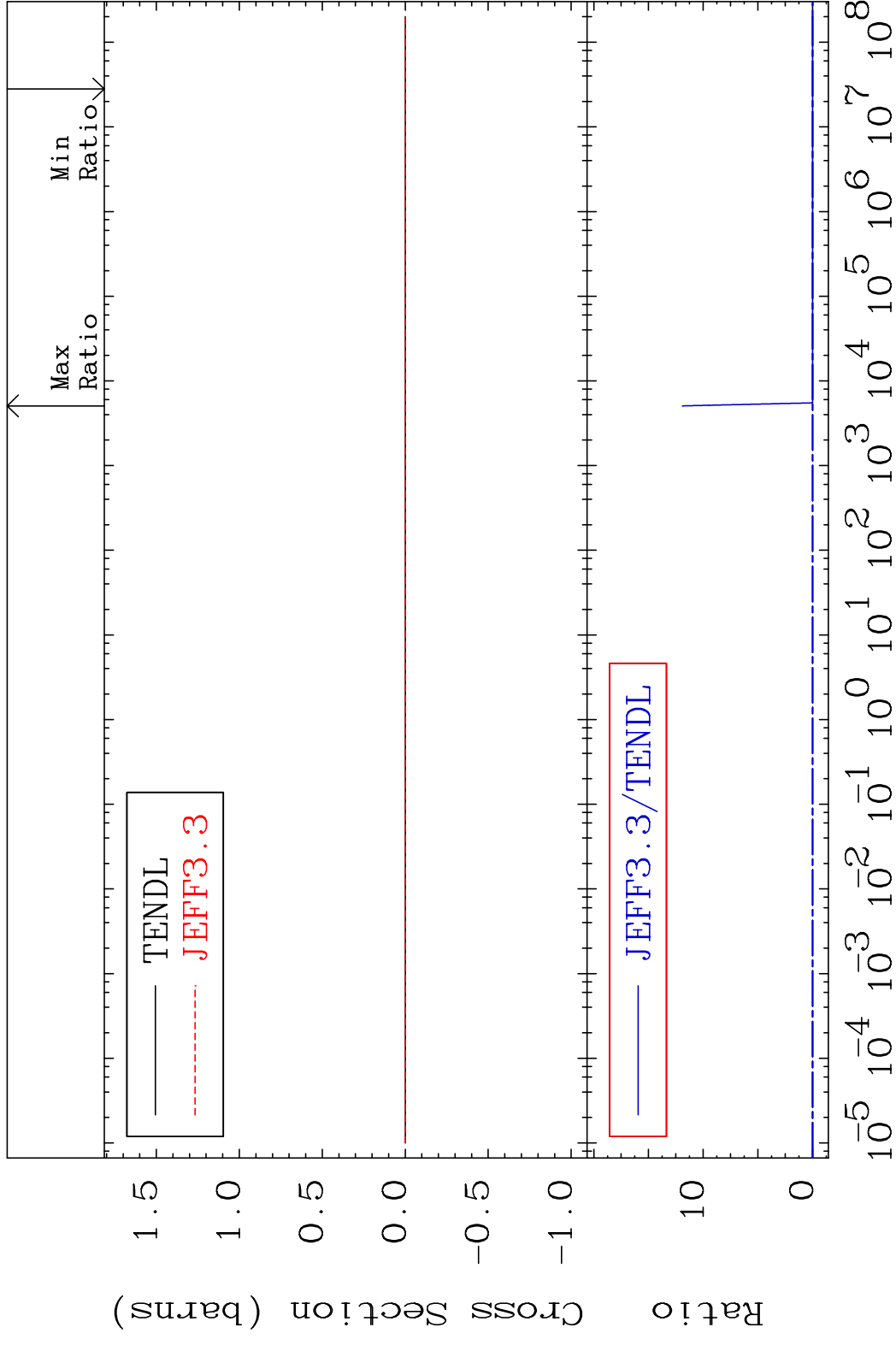
MAT 6931 Kerma non-elastic (all but mt2) 69-Tm-171  
 Cross Section -99.94 To 9999. %



MAT 6931 Kerma inelastic (mt51-91) 69-Tm-171  
Cross Section -596.9 To 9999. %

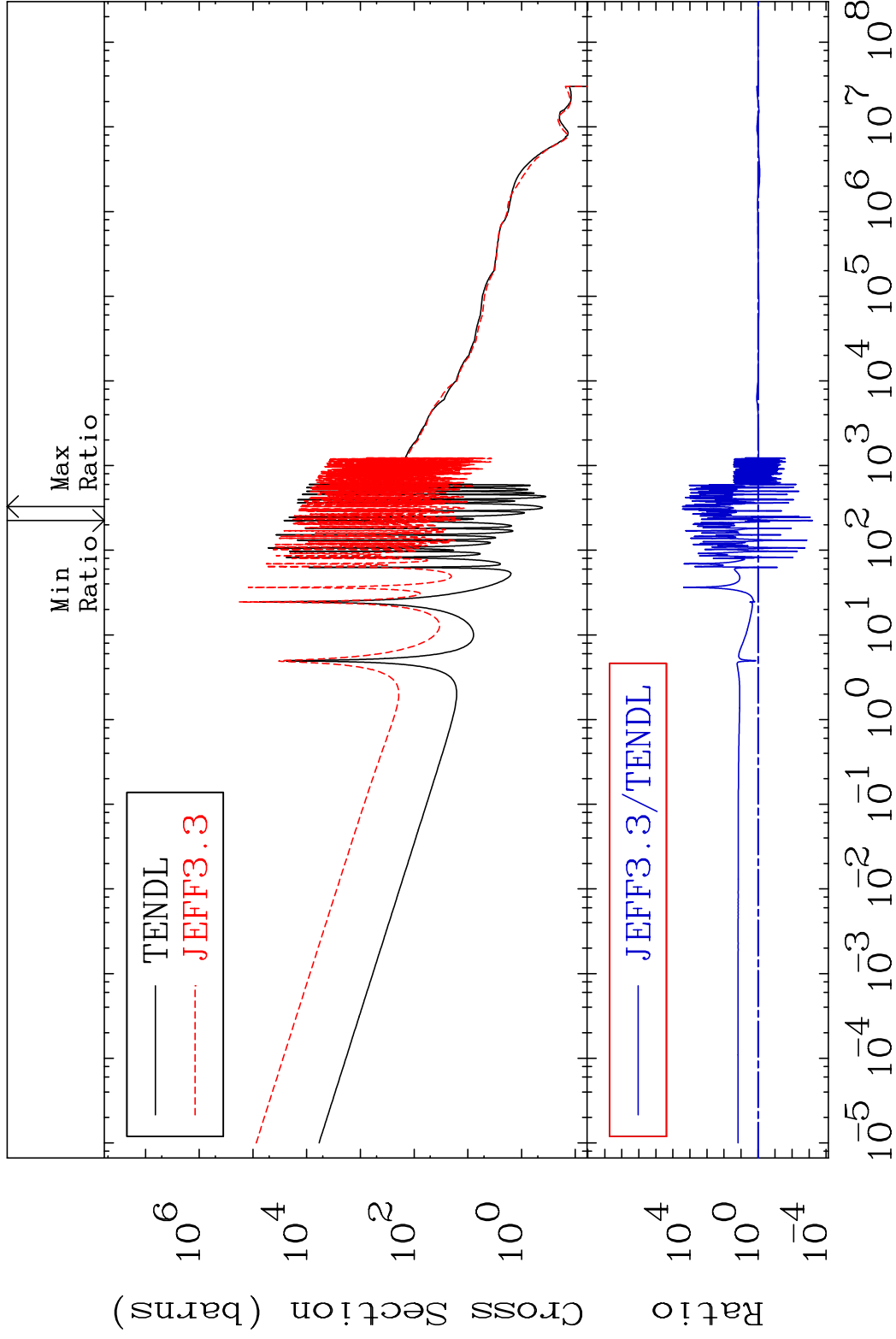


MAT 6931 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-171  
 Cross Section -596.9 To 9999. %



MAT 6931

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

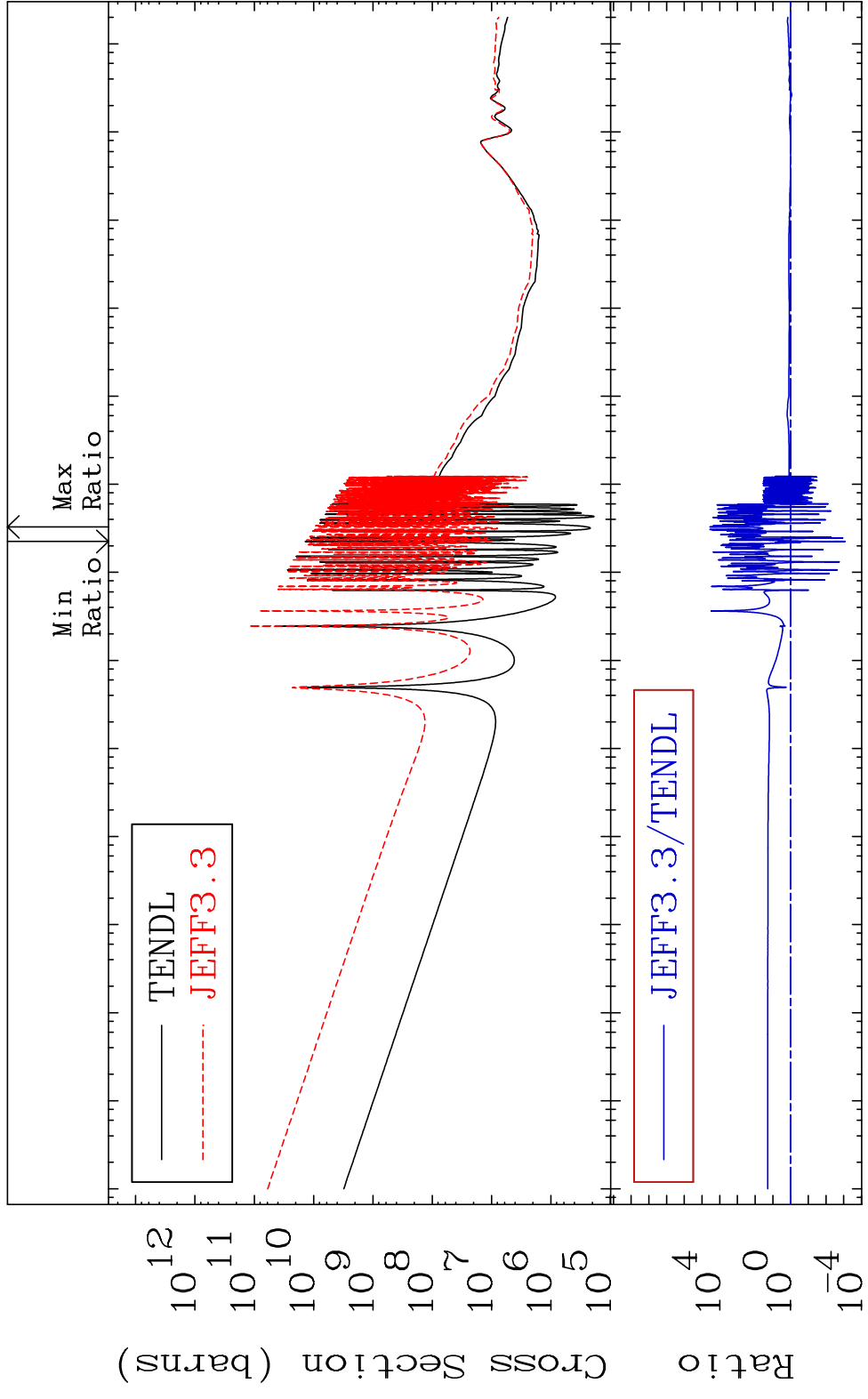


67

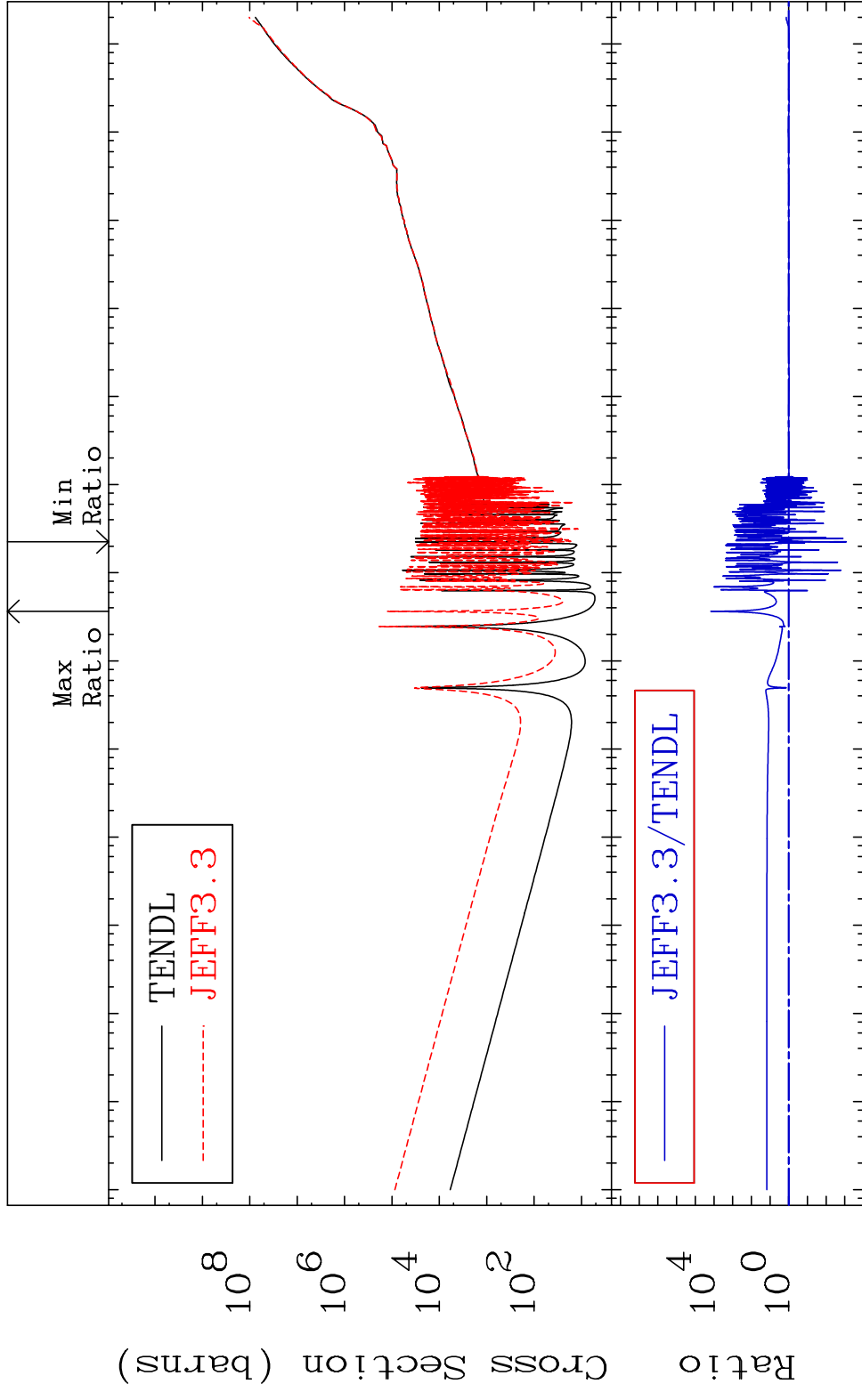
Incident Energy (eV)

69-Tm-171

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

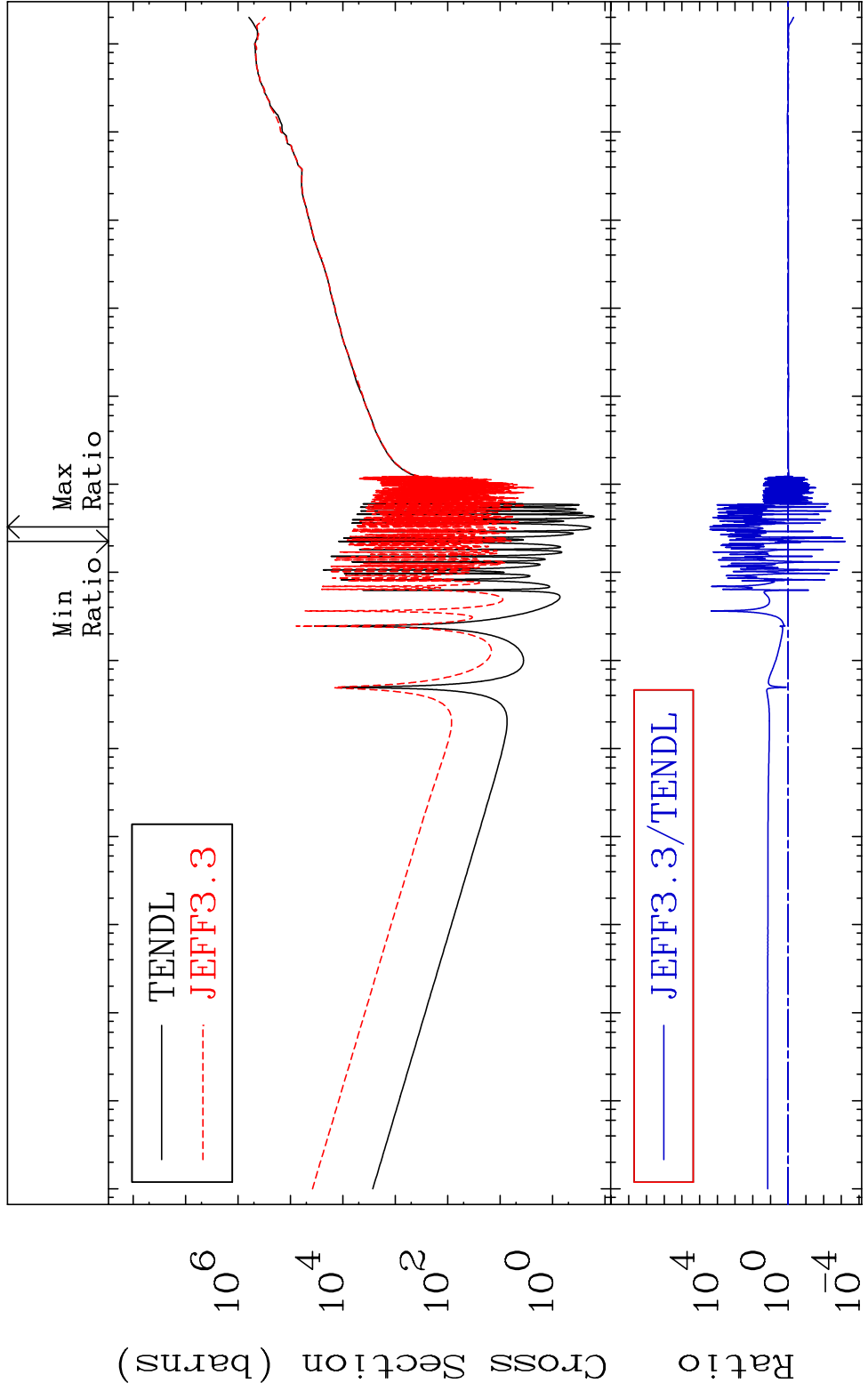


MAT 6931 Total kinematic kerma (high limit) 69-Tm-171  
 Cross Section -99.92 To 9999. %



69 Incident Energy (eV) 69-Tm-171

MAT 6931      Dpa total (eV-barns)      69-Tm-171  
 Cross Section      -99.94 To 9999. %



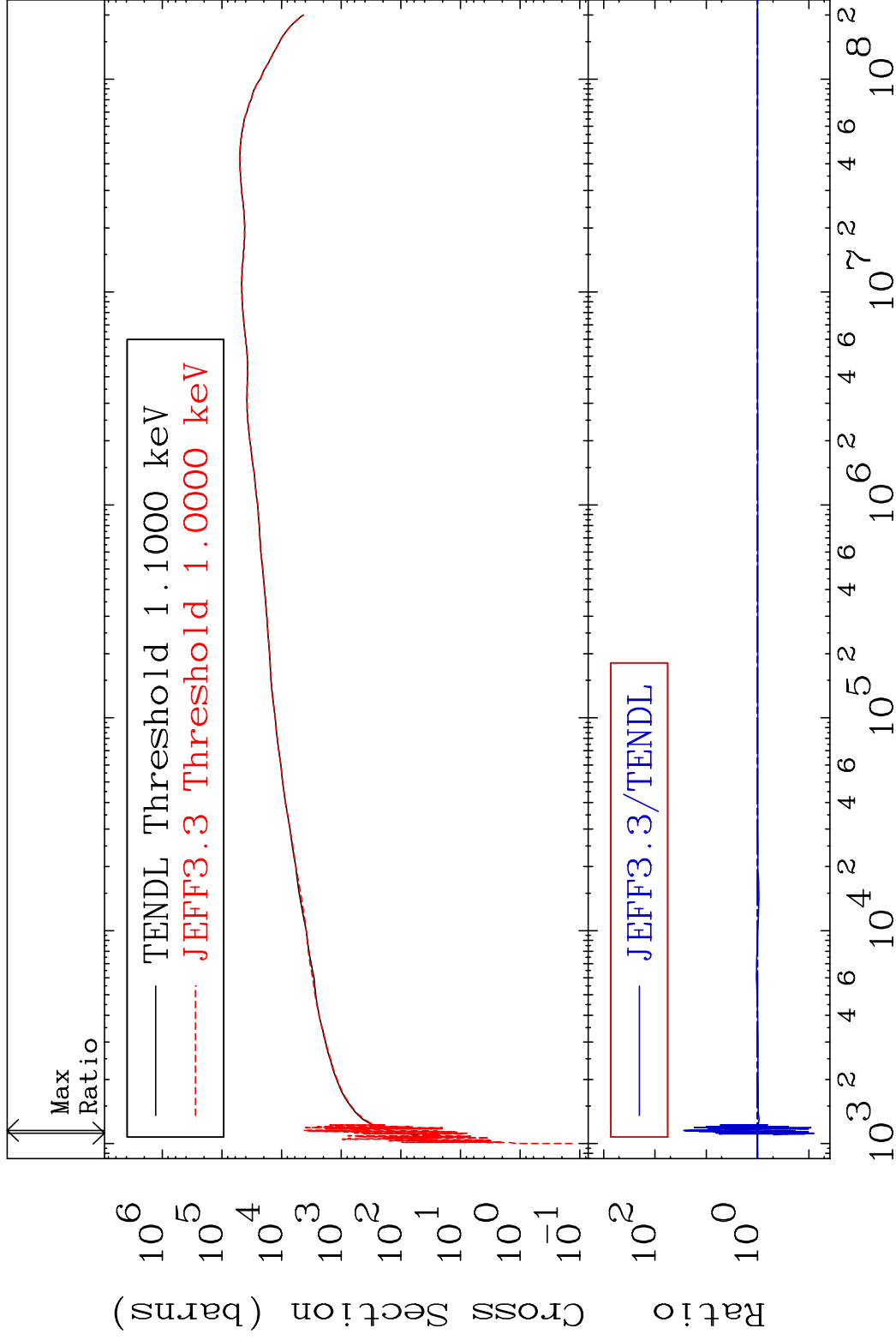
70      Incident Energy (eV)      69-Tm-171

MAT 6931

Dpa elastic (mt2)

69-Tm-171

Cross Section -92.10 To 2660. %



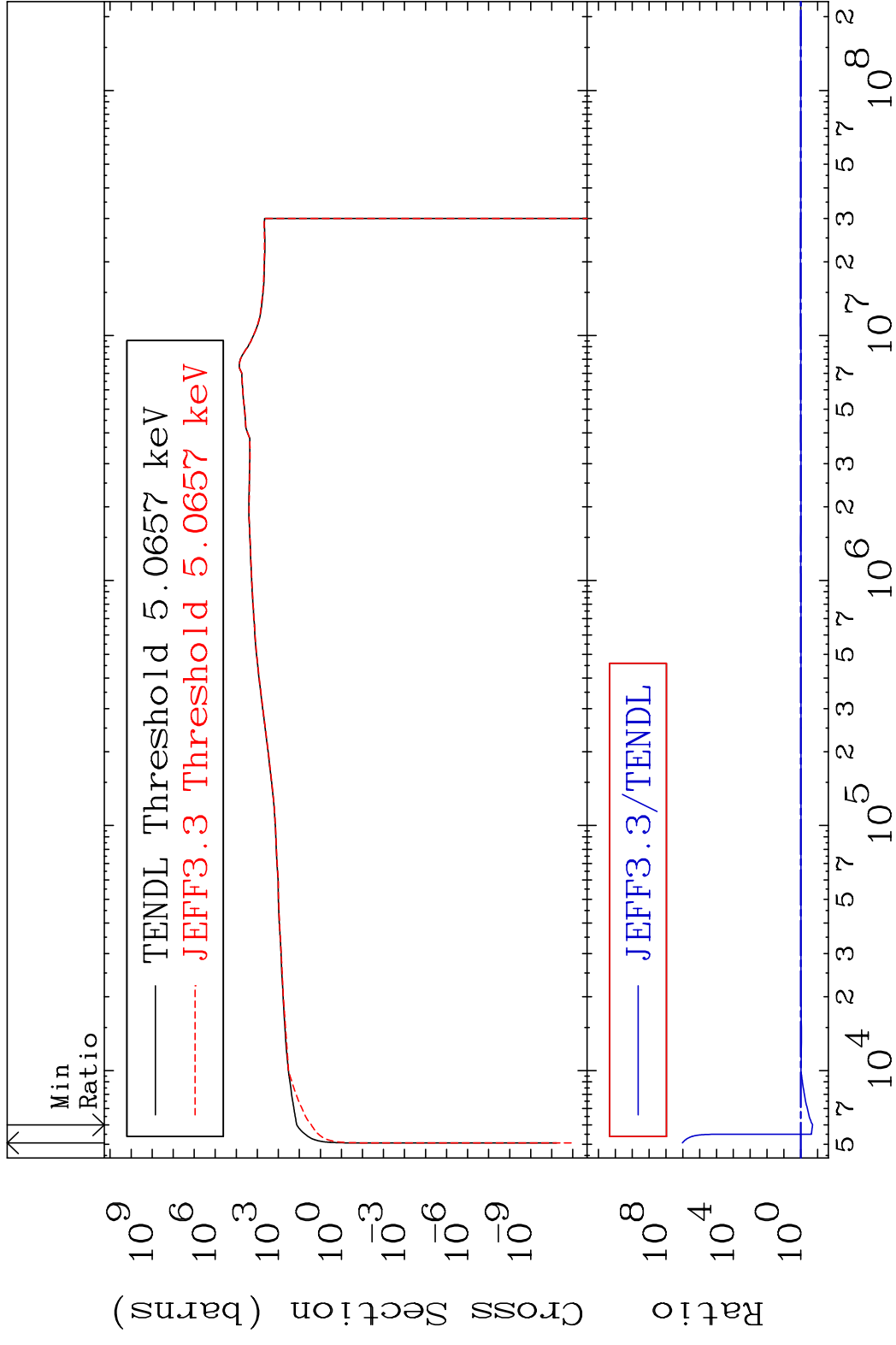
71

Incident Energy (eV)

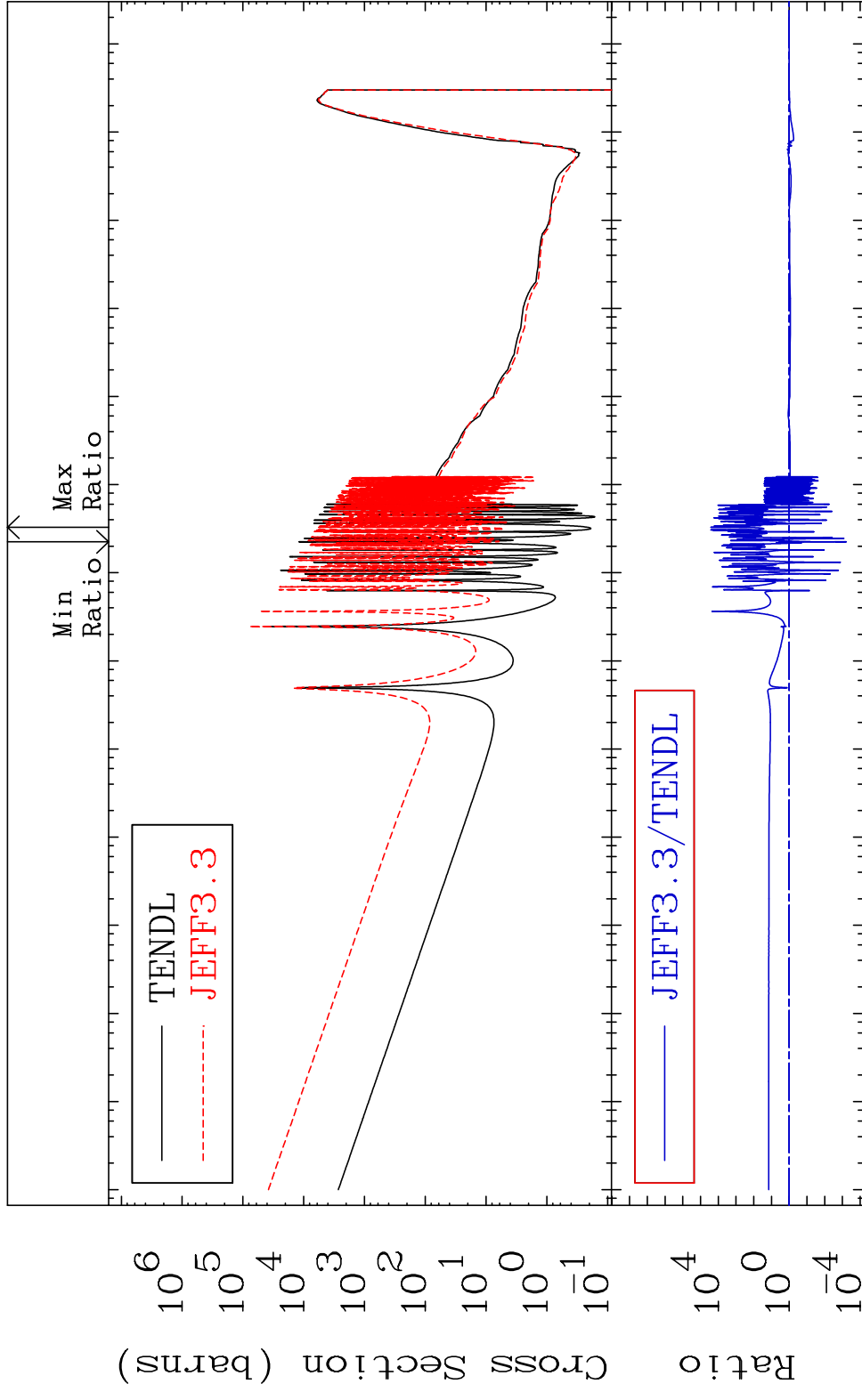
69-Tm-171



MAT 6931      Dpa inelastic (mt51-91)      69-Tm-171  
 Cross Section      -79.96 To 9999. %

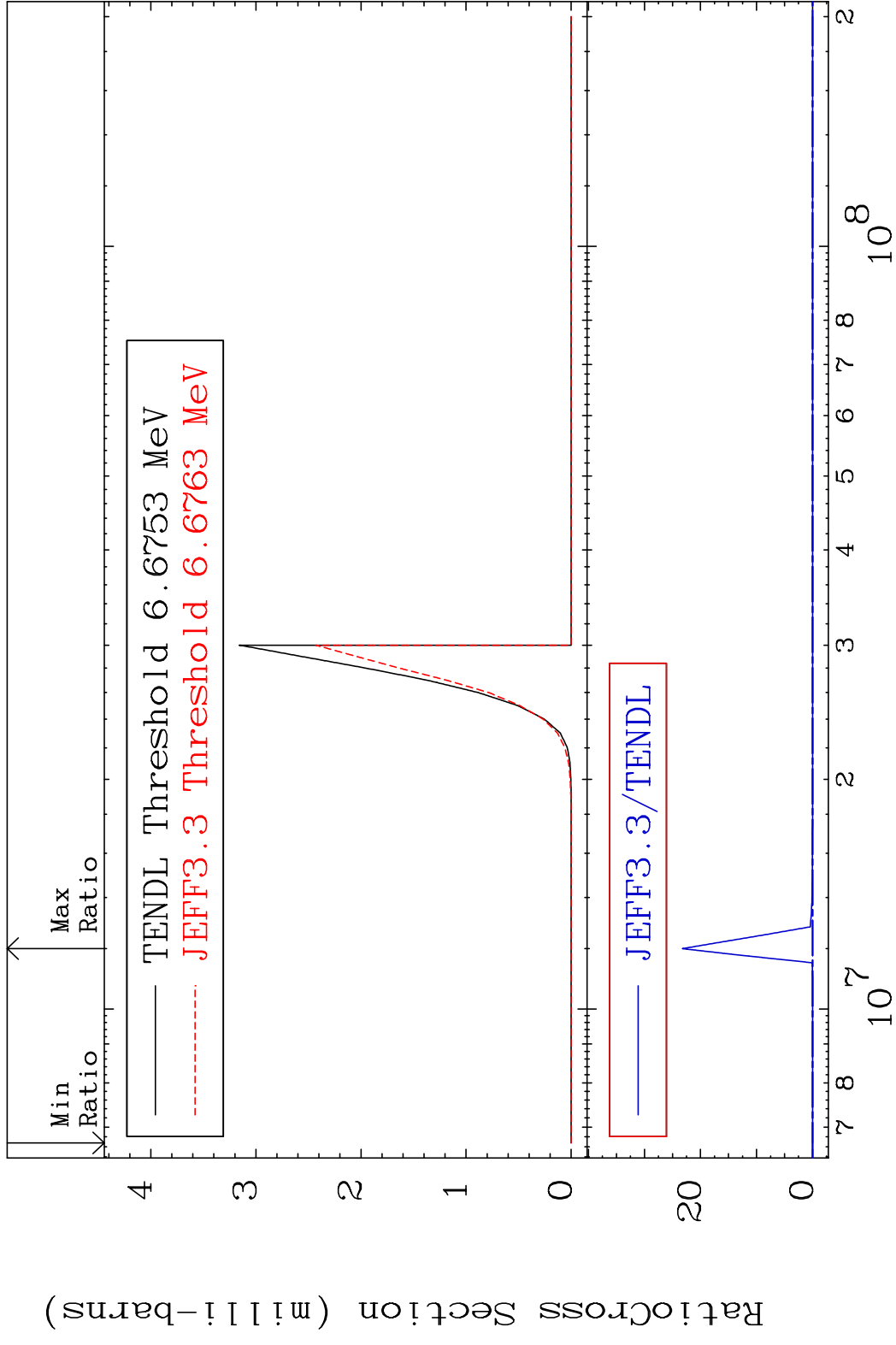


MAT 6931 Dpa disappearance (mt102 -120) 69-Tm-171  
 Cross Section -99.94 To 9999. %

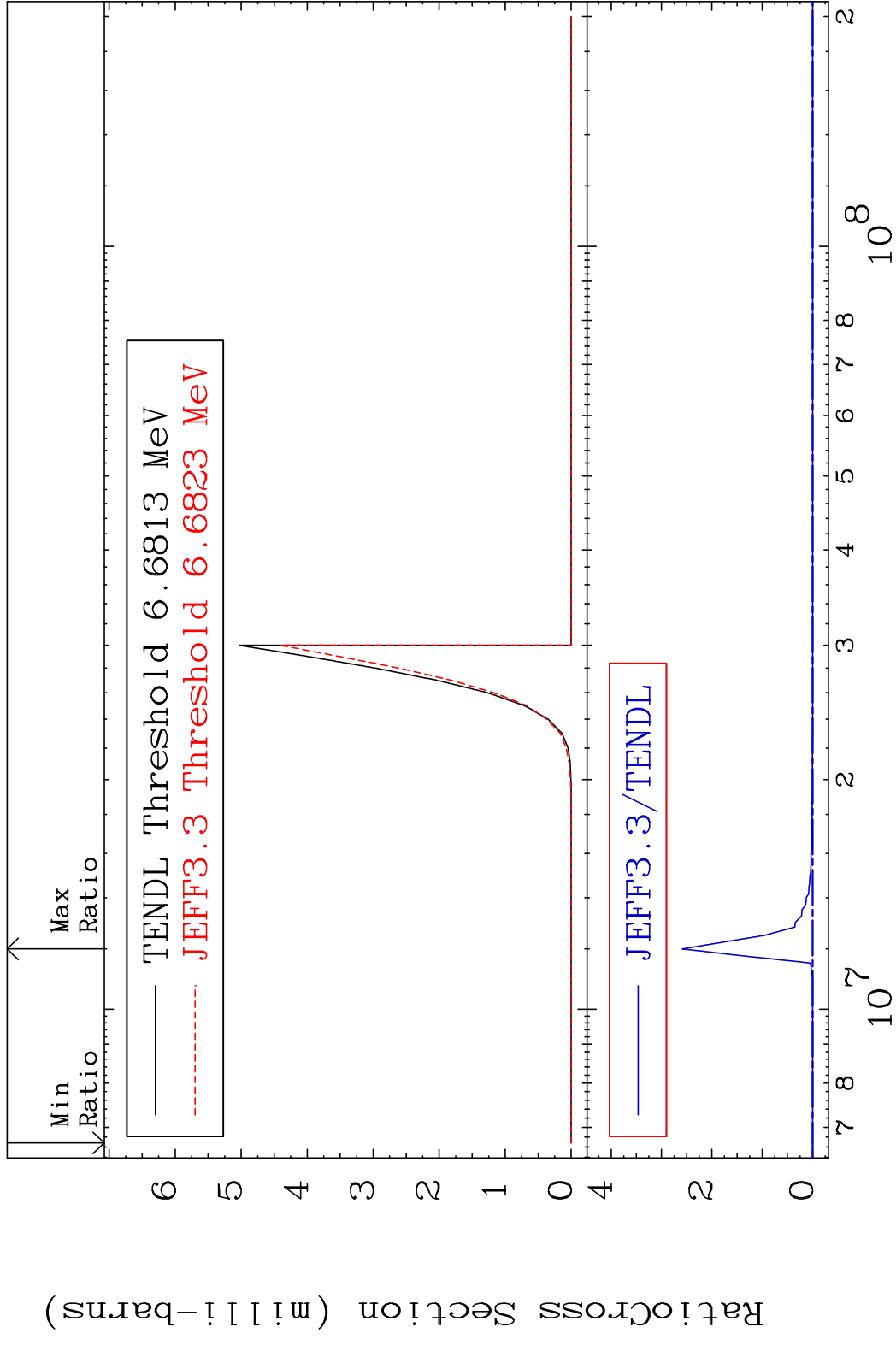


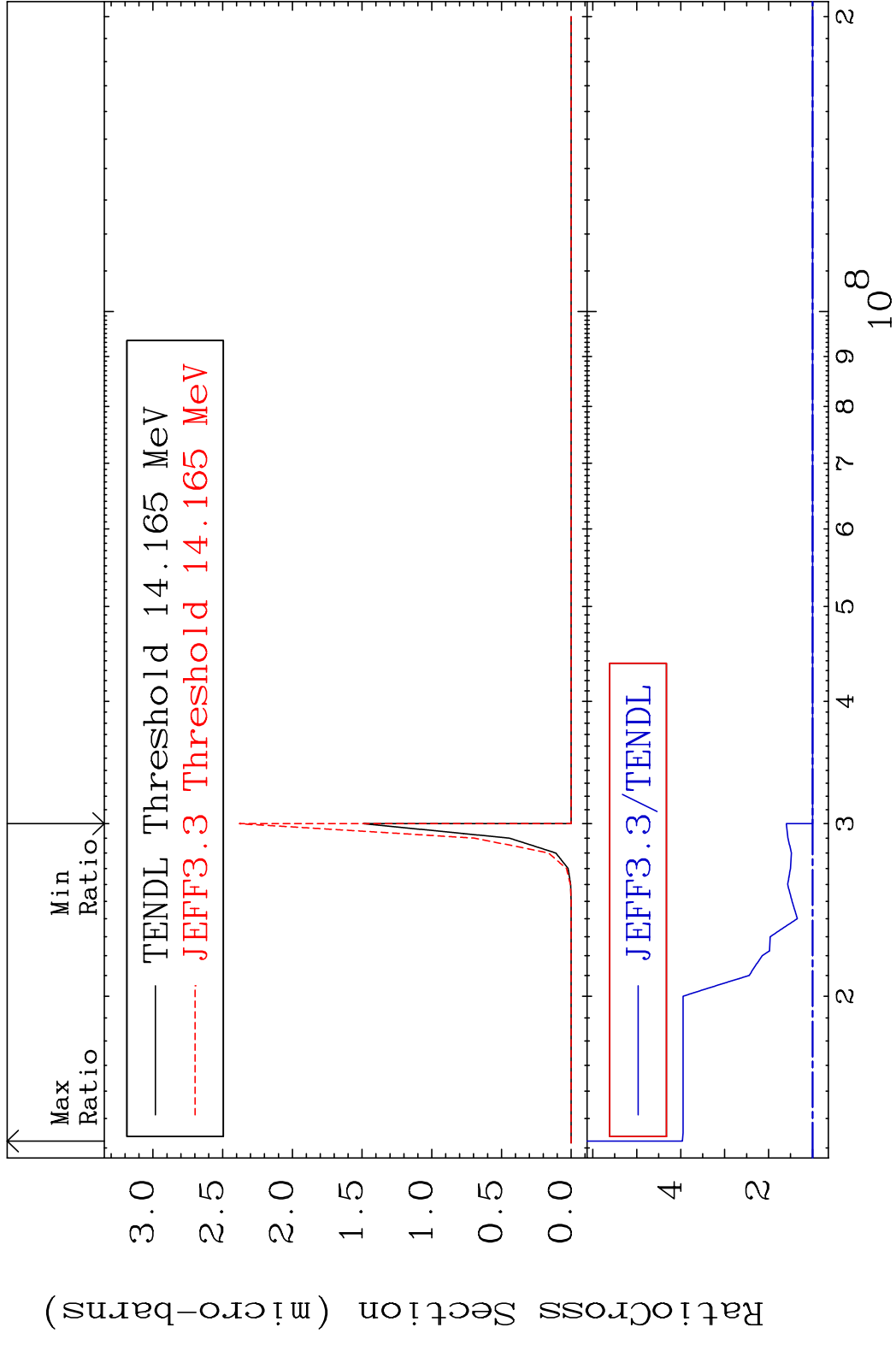
73 Incident Energy (eV) 69-Tm-171

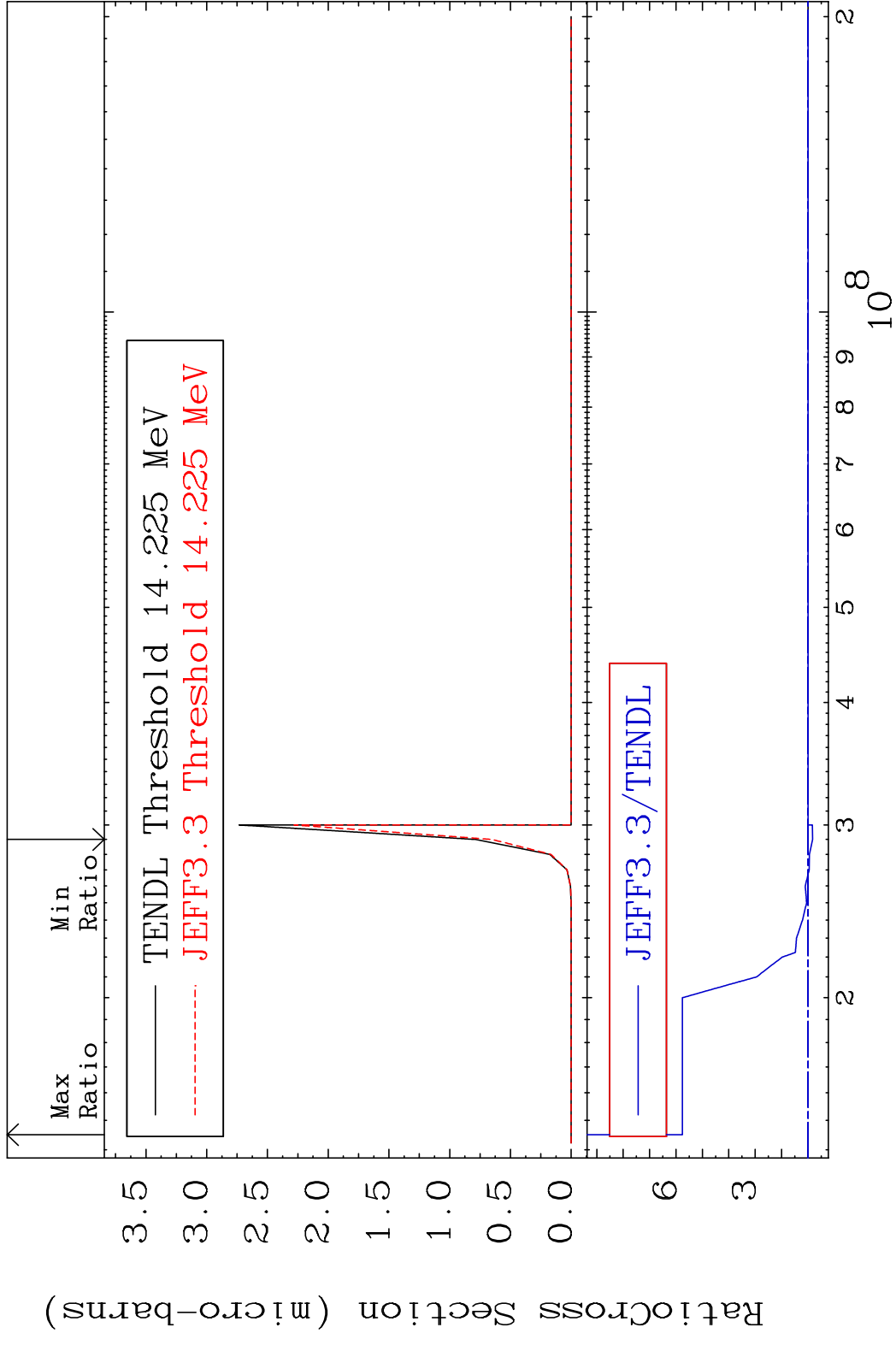
MAT 6931 (n,2n)  $\alpha$ :67-Ho-166g 69-Tm-171  
 Radionuclide Production Cross Section Ratio 9999. %

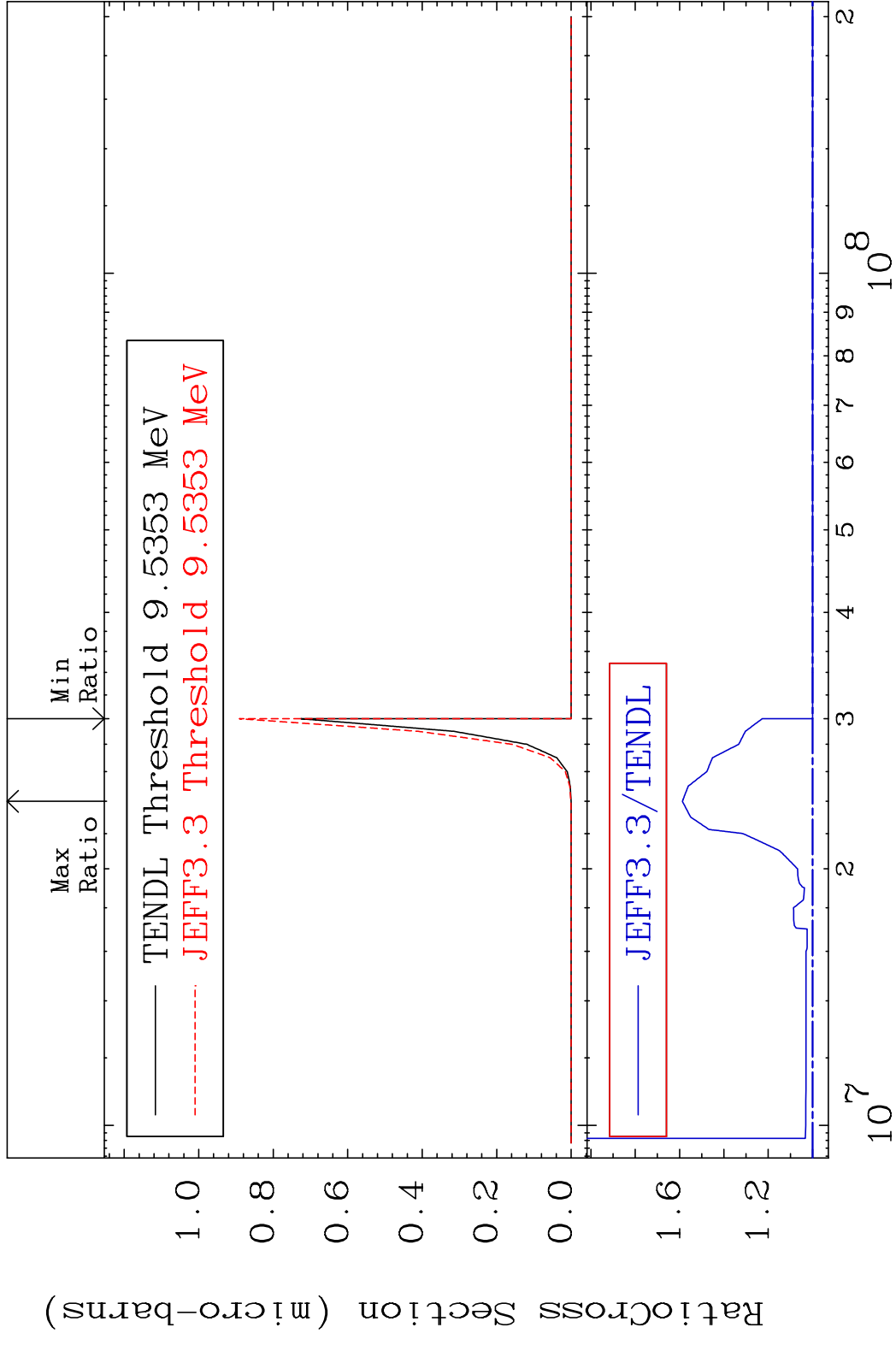


MAT 6931 (n,2n)  $\alpha$ :67-Ho-166m1 69-Tm-171  
 Radionuclide Production Cross Section 1000 dth 9999. %

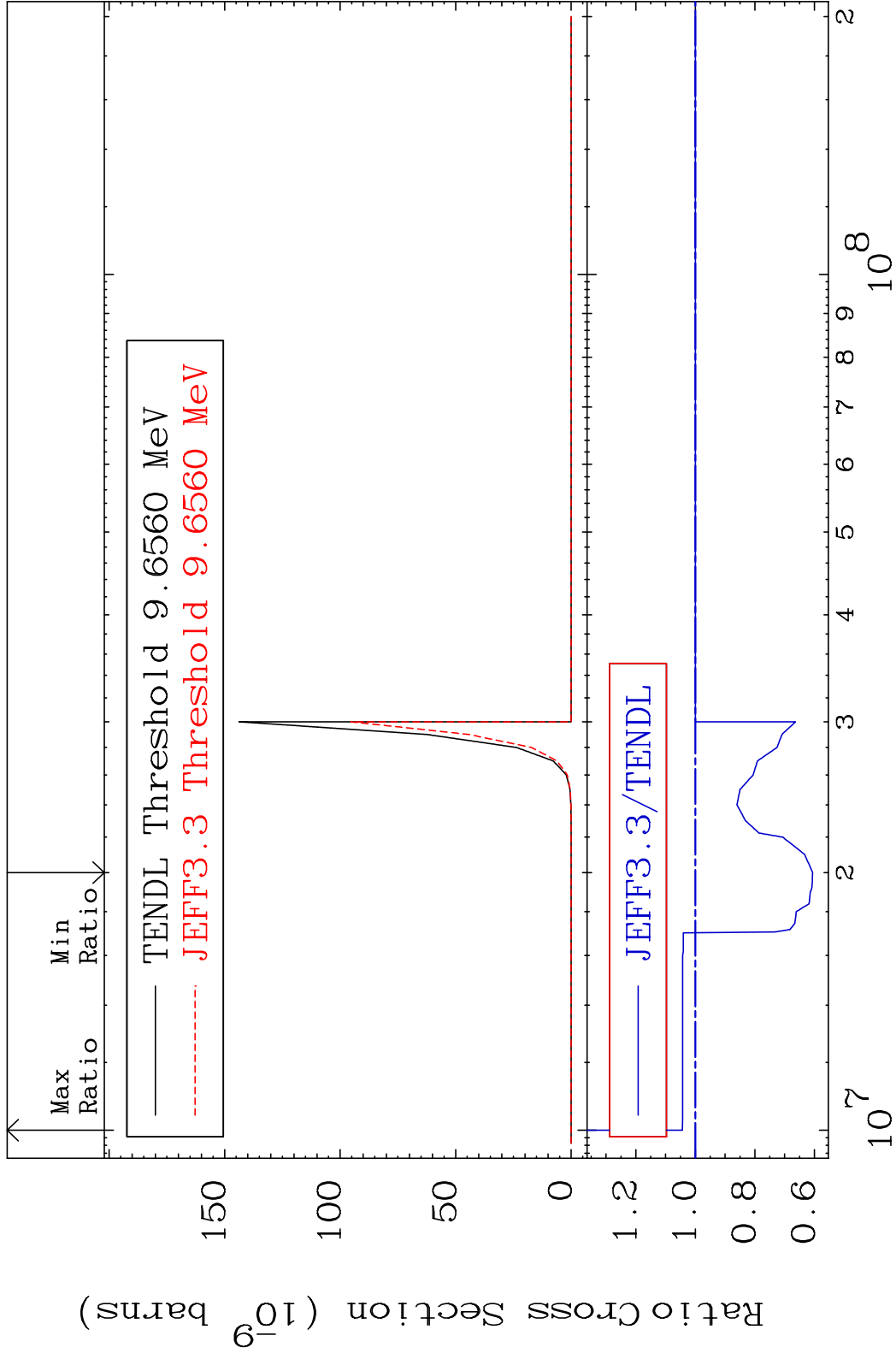








MAT 6931 (n, 2p):67-Ho-170m1 69-Tm-171  
 Radionuclide Production Cross Section 39.671 d10 4.373 %



79 Incident Energy (eV) 69-Tm-171