

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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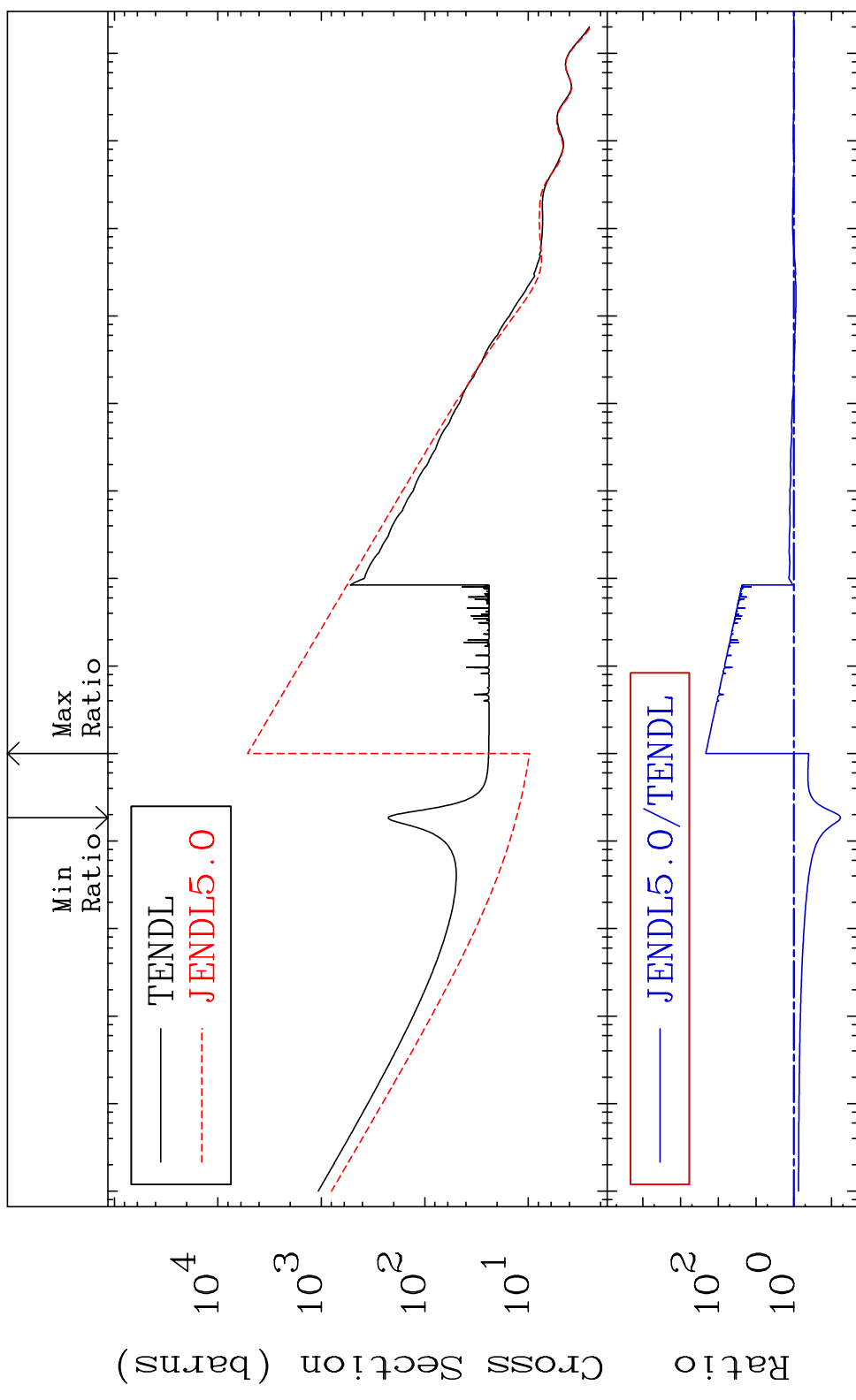
Press Mouse Button to Start

MAT 6919

Total

69-Tm-167

Cross Section -94.22 To 9999. %



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

1

Incident Energy (eV)

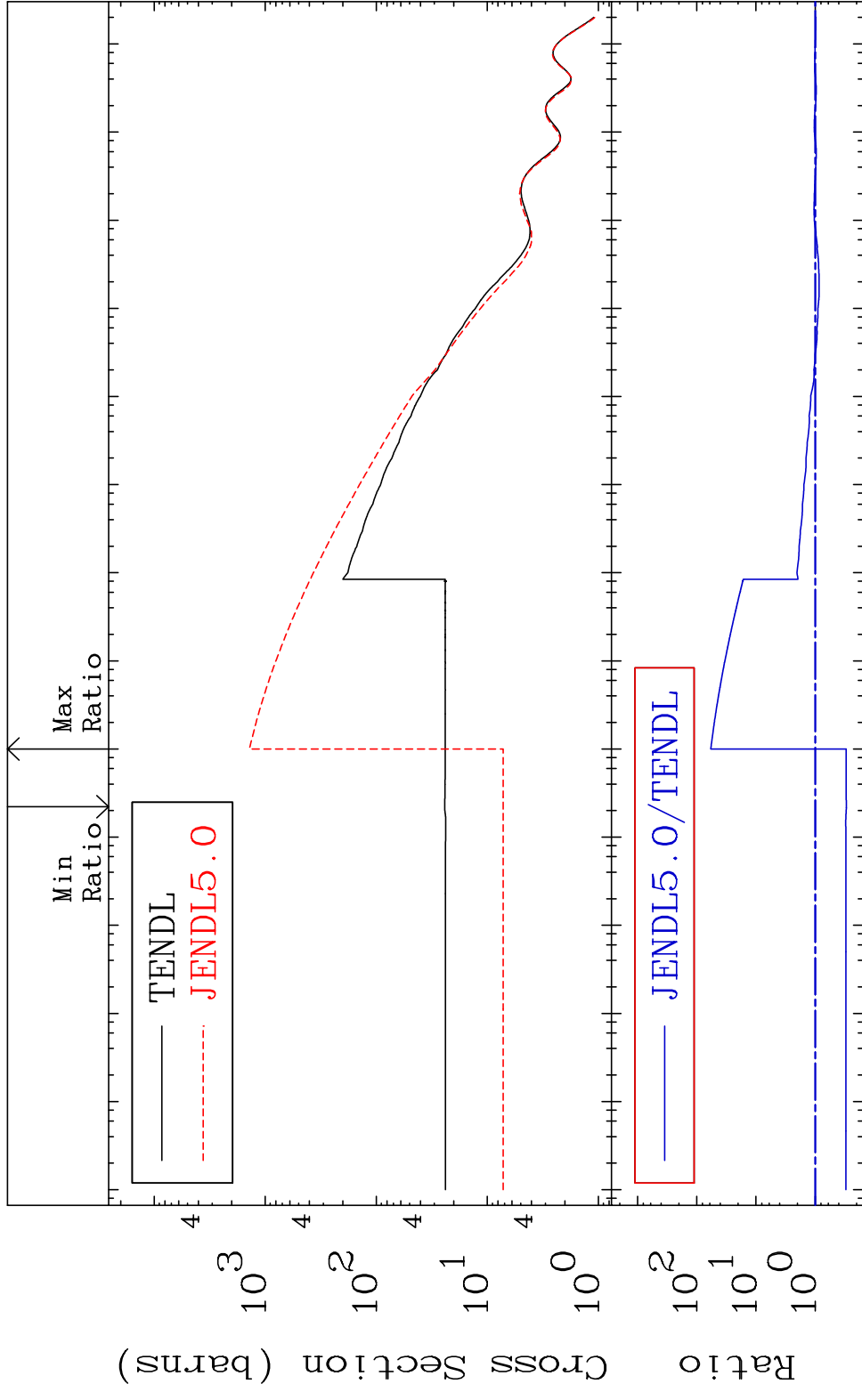
69-Tm-167

MAT 6919

69-Tm-167

Elastic

Cross Section -70.20 To 5712. %



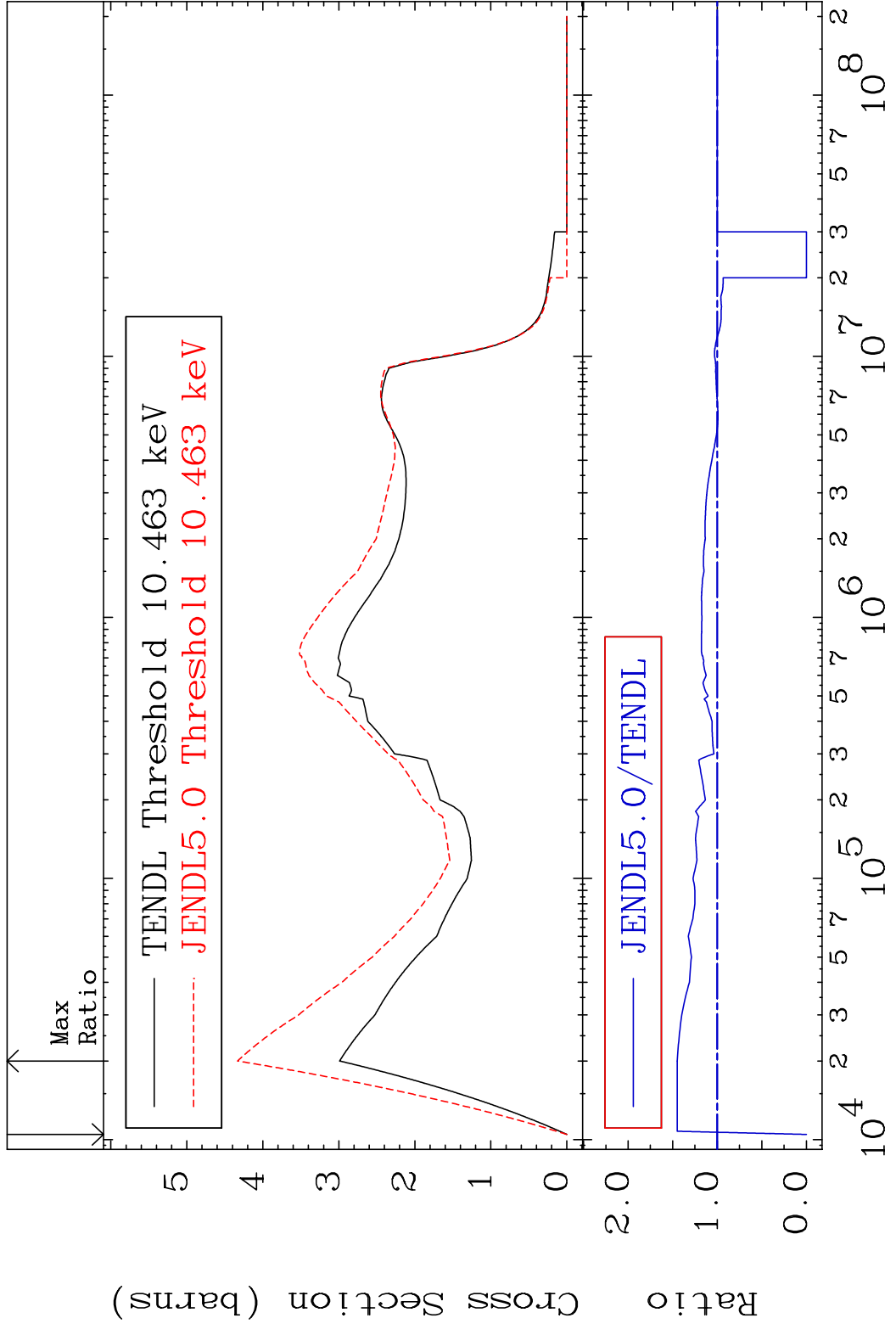
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

69-Tm-167

MAT 6919 Inelastic 69-Tm-167  
 Cross Section -100.0 To 44.95 %



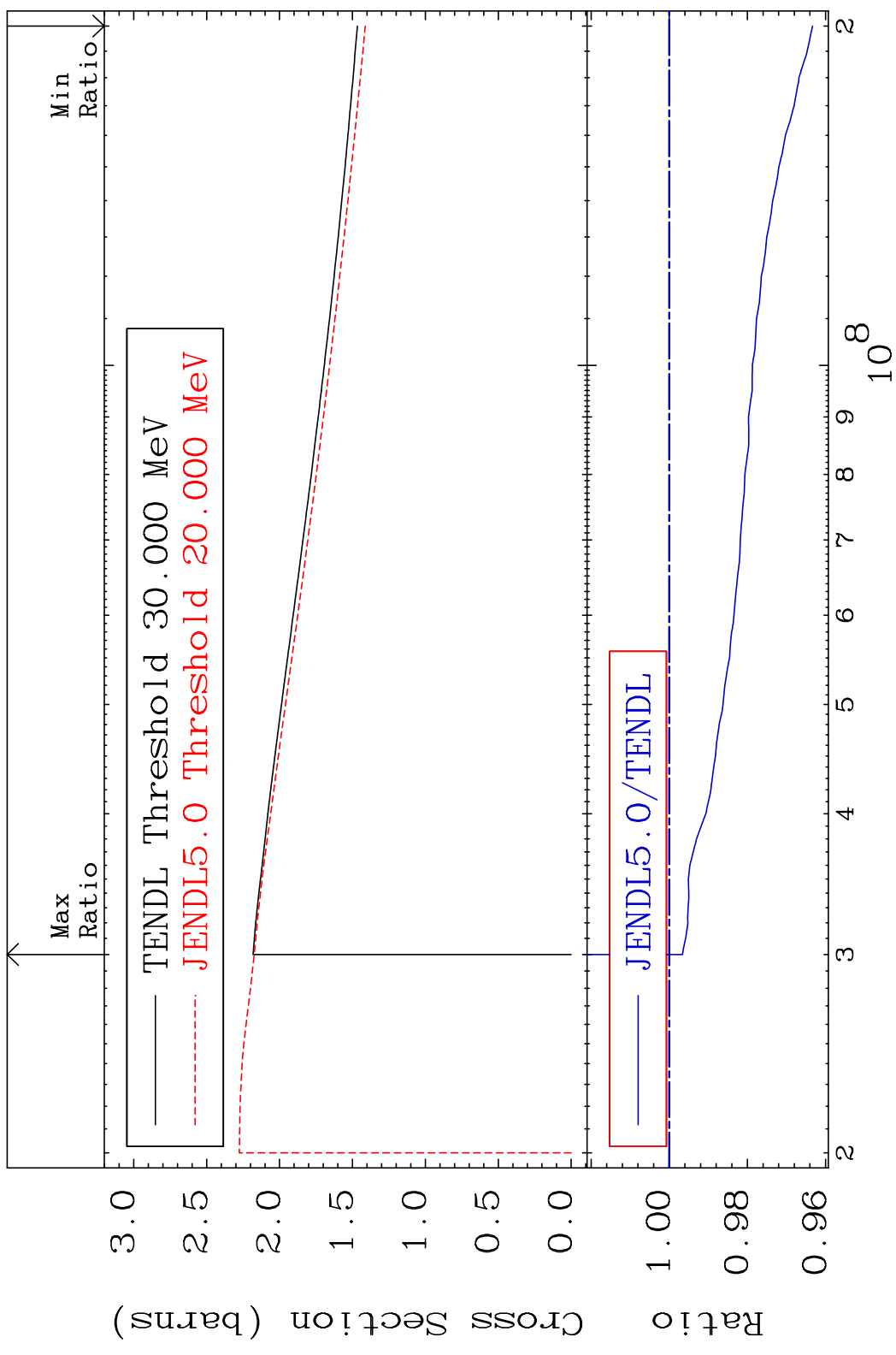
3 Incident Energy (eV) 69-Tm-167

MAT 6919

(n, remainder)

69-Tm-167

Cross Section -3.667 To -0.335%



4

Incident Energy (eV)

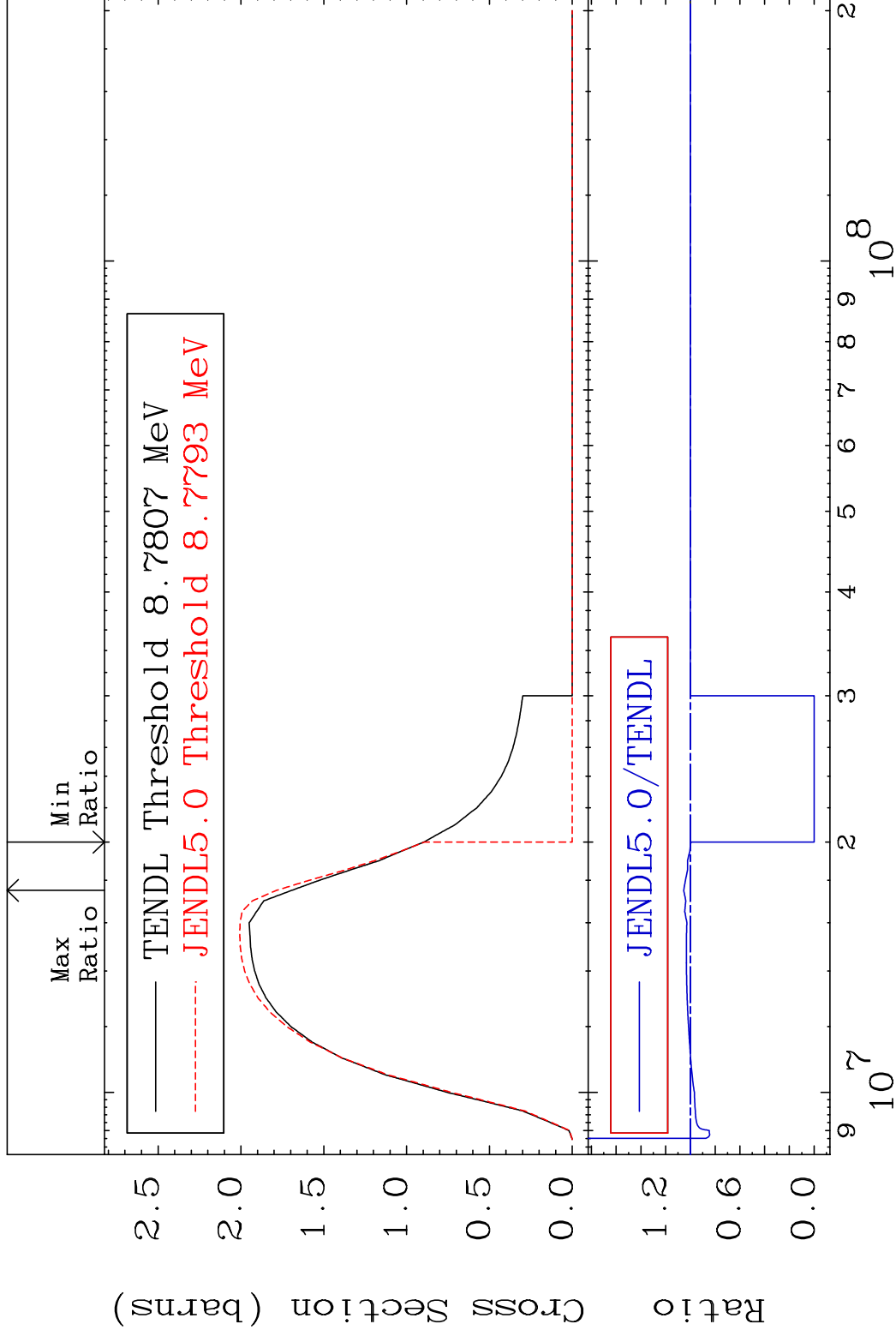
69-Tm-167

MAT 6919

(n,2n)

69-Tm-167

Cross Section -100.0 To 5.436 %

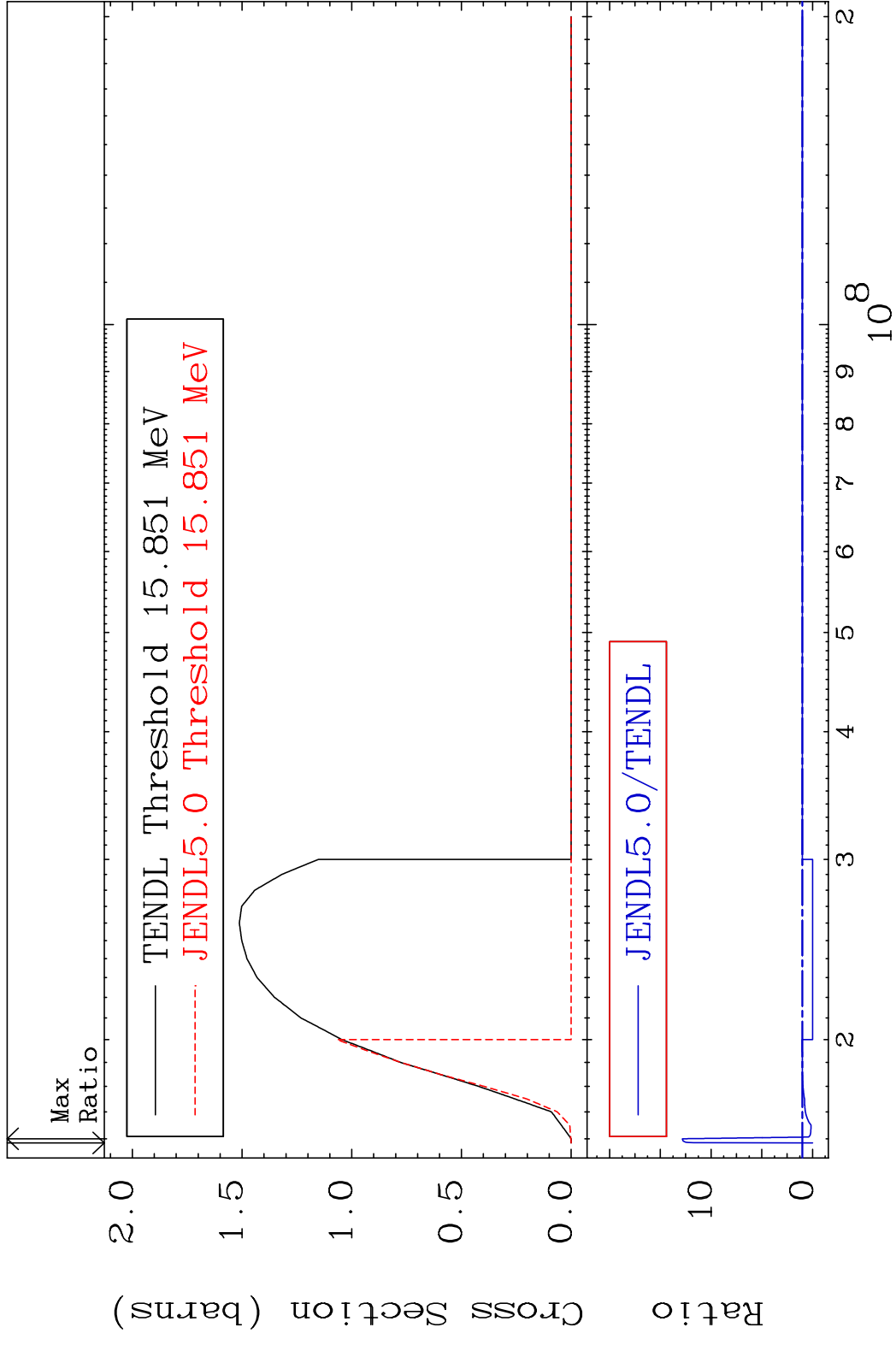


5

Incident Energy (eV)

69-Tm-167

MAT 6919 (n,3n) 69-Tm-167  
 Cross Section -100.0 To 1183. %

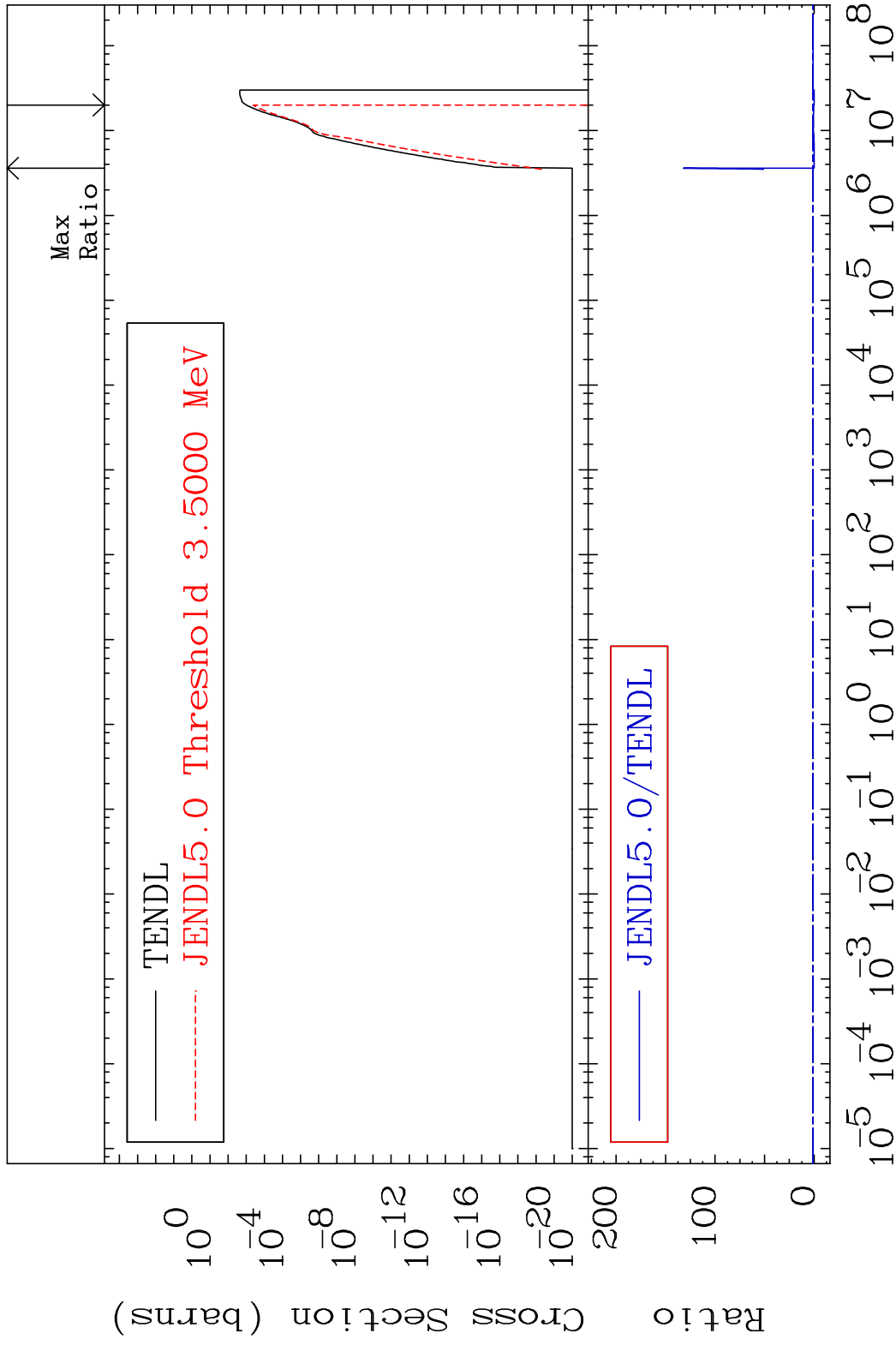


MAT 6919

(n, n')  $\alpha$

69-Tm-167

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

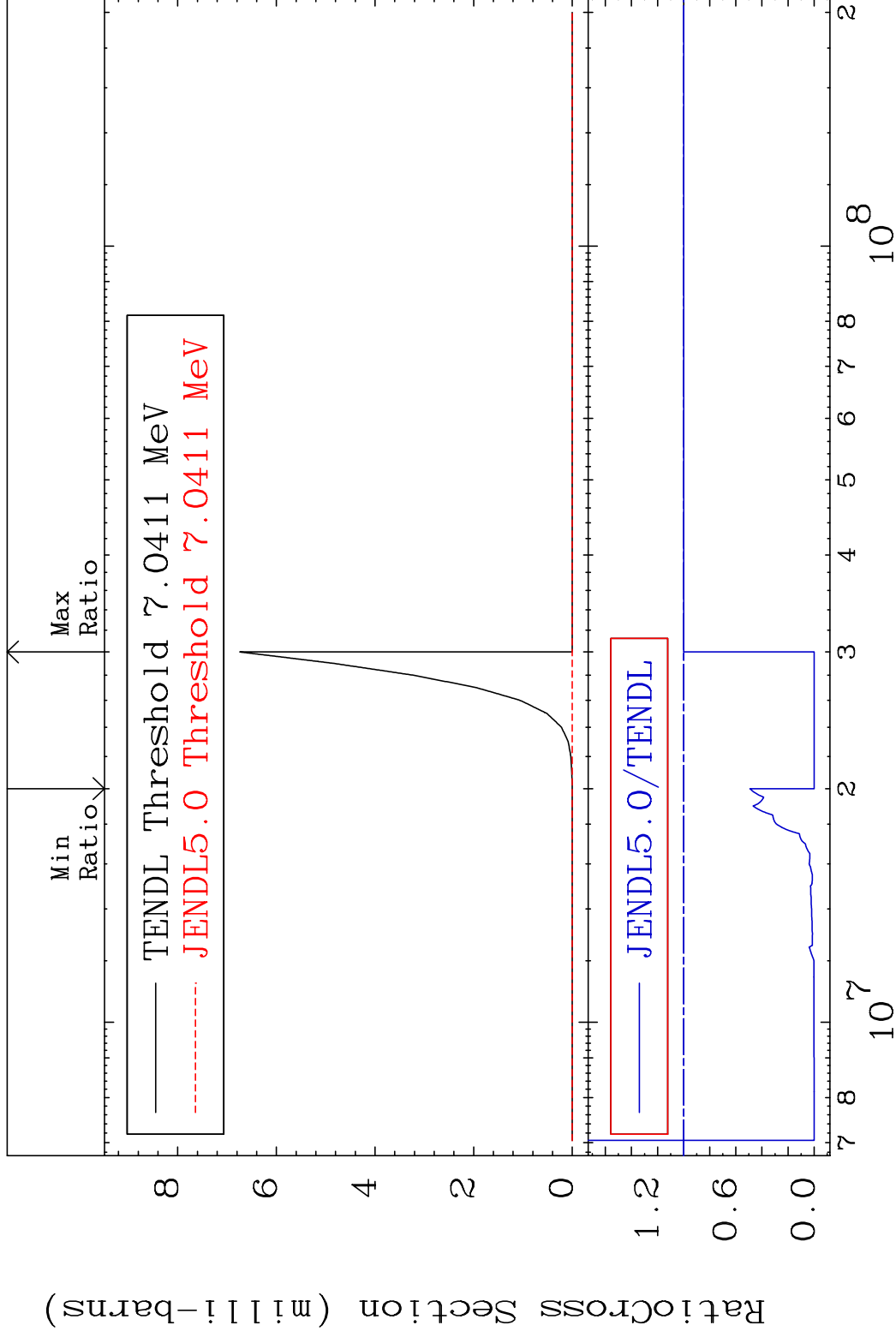
69-Tm-167

MAT 6919

(n,2n)  $\alpha$

69-Tm-167

Cross Section -100.0 To 0.000 %



8

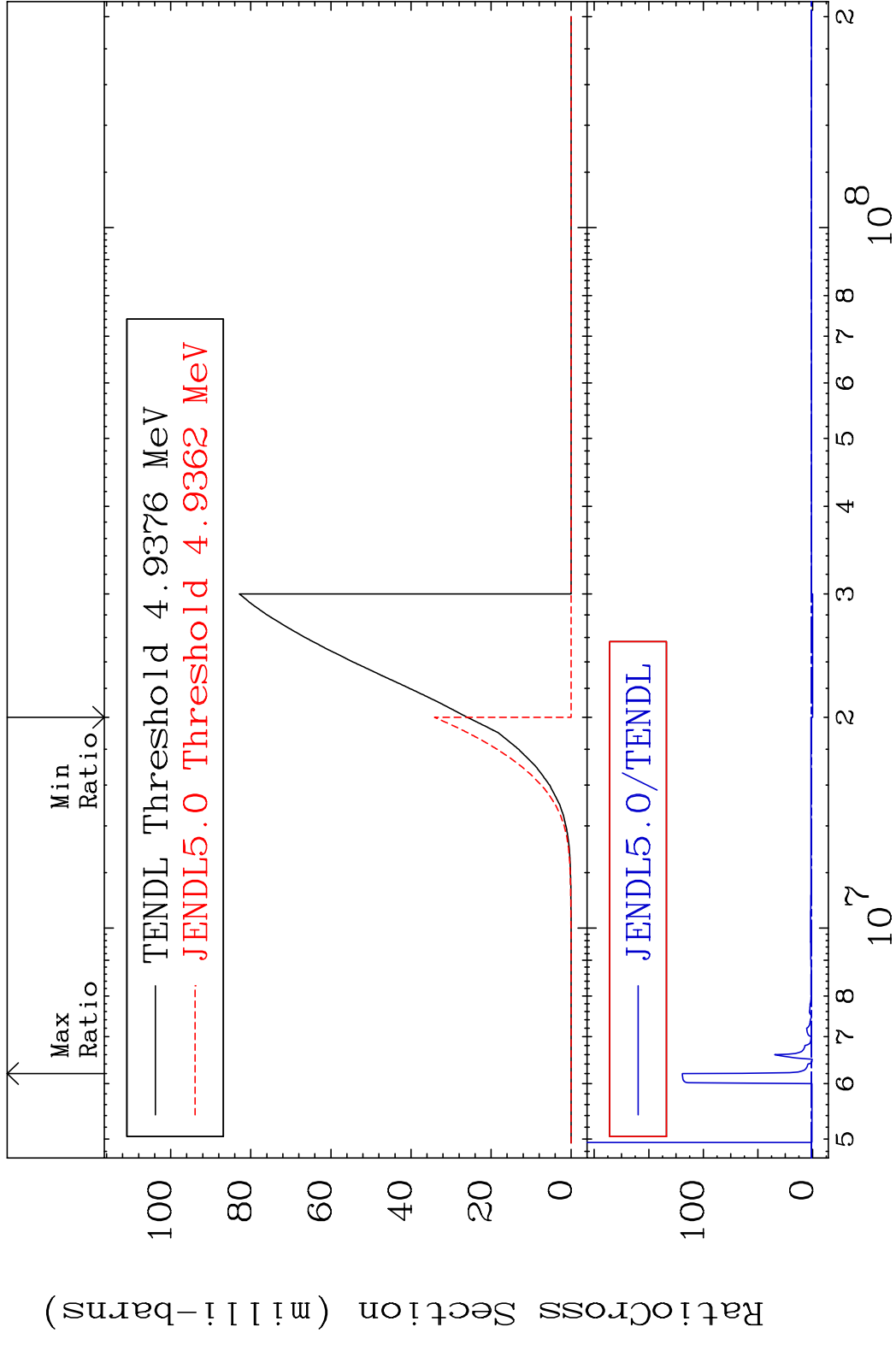
Incident Energy (eV)

69-Tm-167

MAT 6919

(n, n') p 69-Tm-167

Cross Section -100.0 To 9999. %



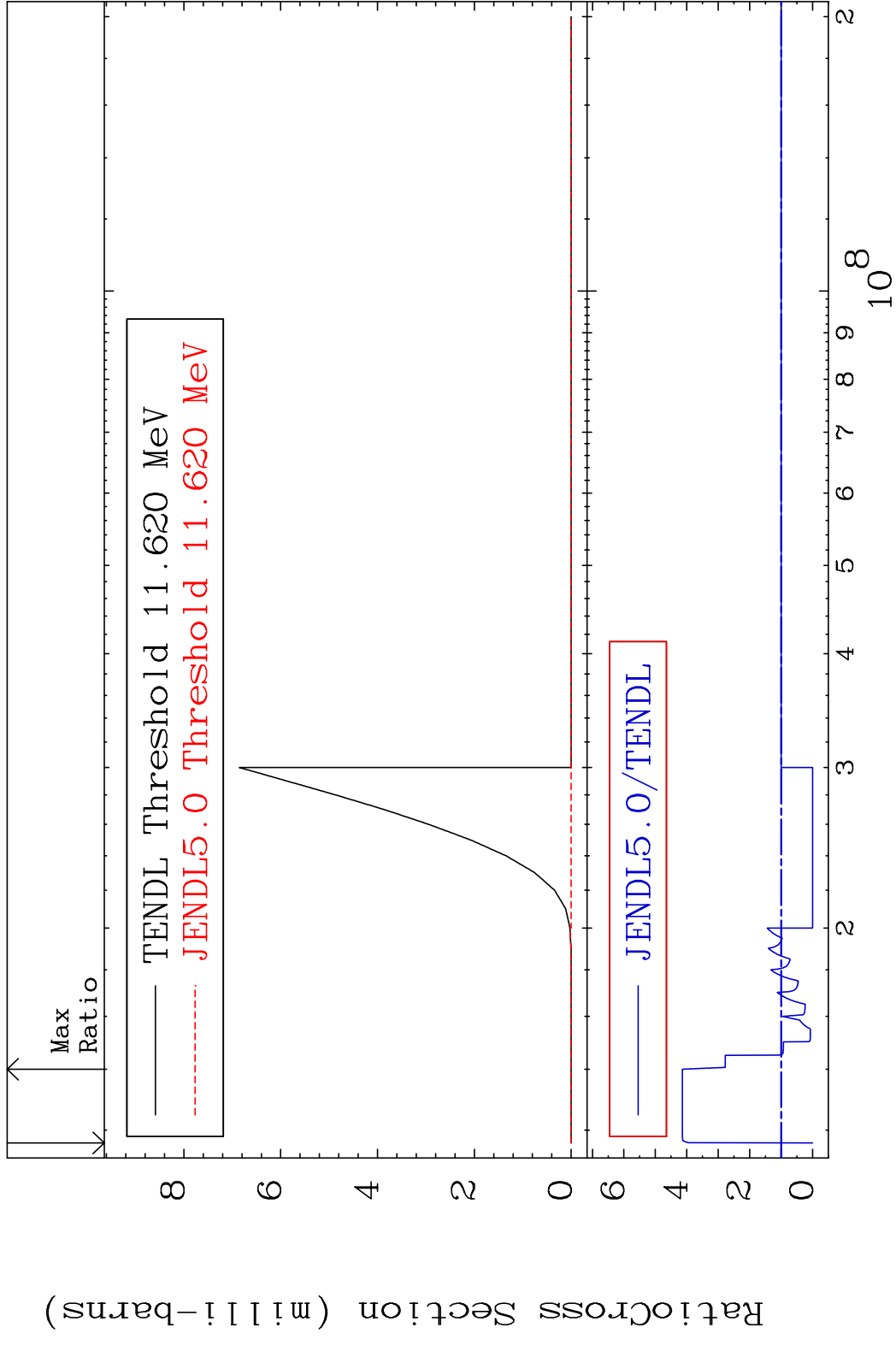
9

Incident Energy (eV)

69-Tm-167



MAT 6919 (n, n') t 69-Tm-167  
 Cross Section -100.0 To 314.1 %

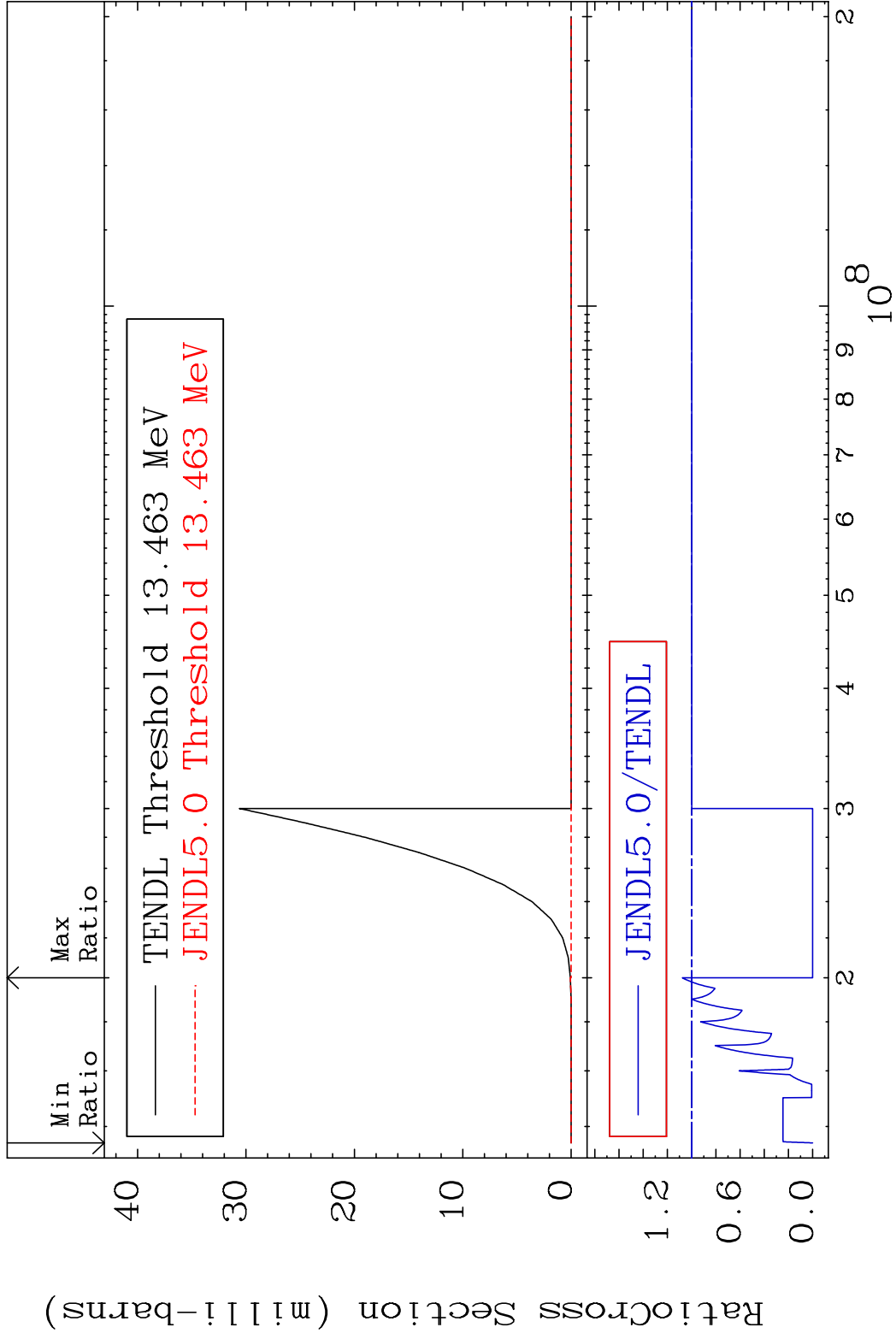


MAT 6919

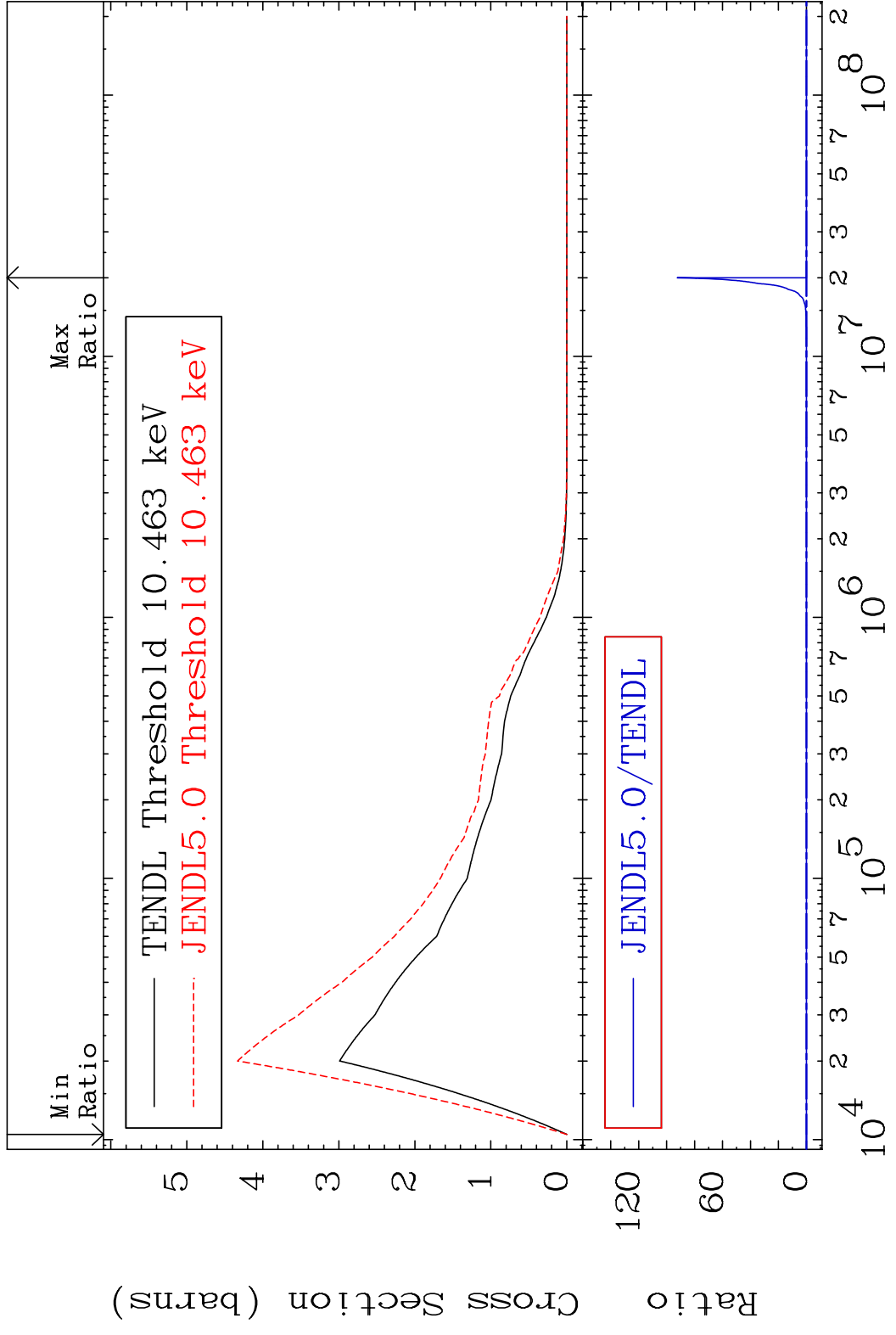
(n,2n) p

69-Tm-167

Cross Section -100.0 To 7.671 %

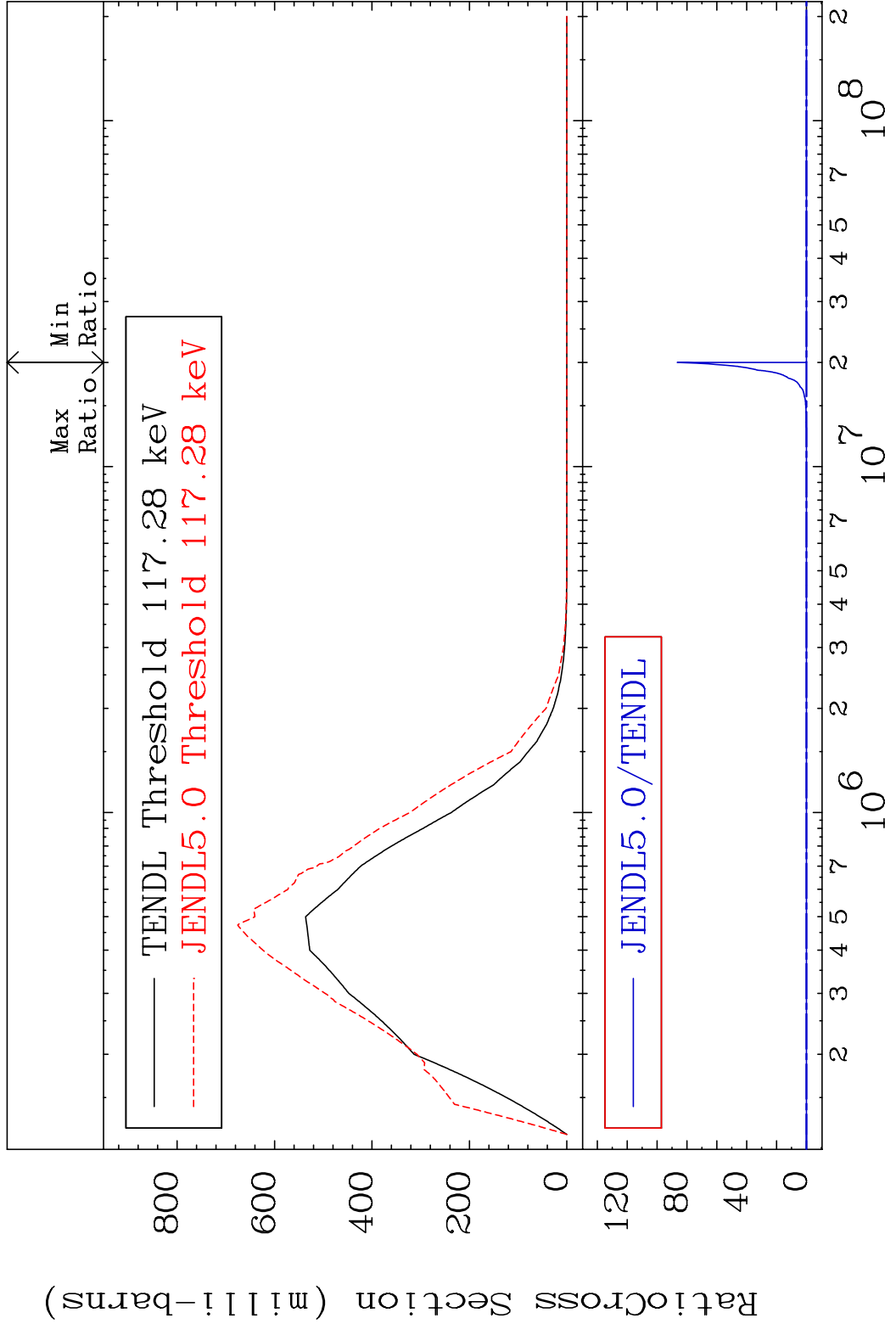


MAT 6919 MT= 51 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

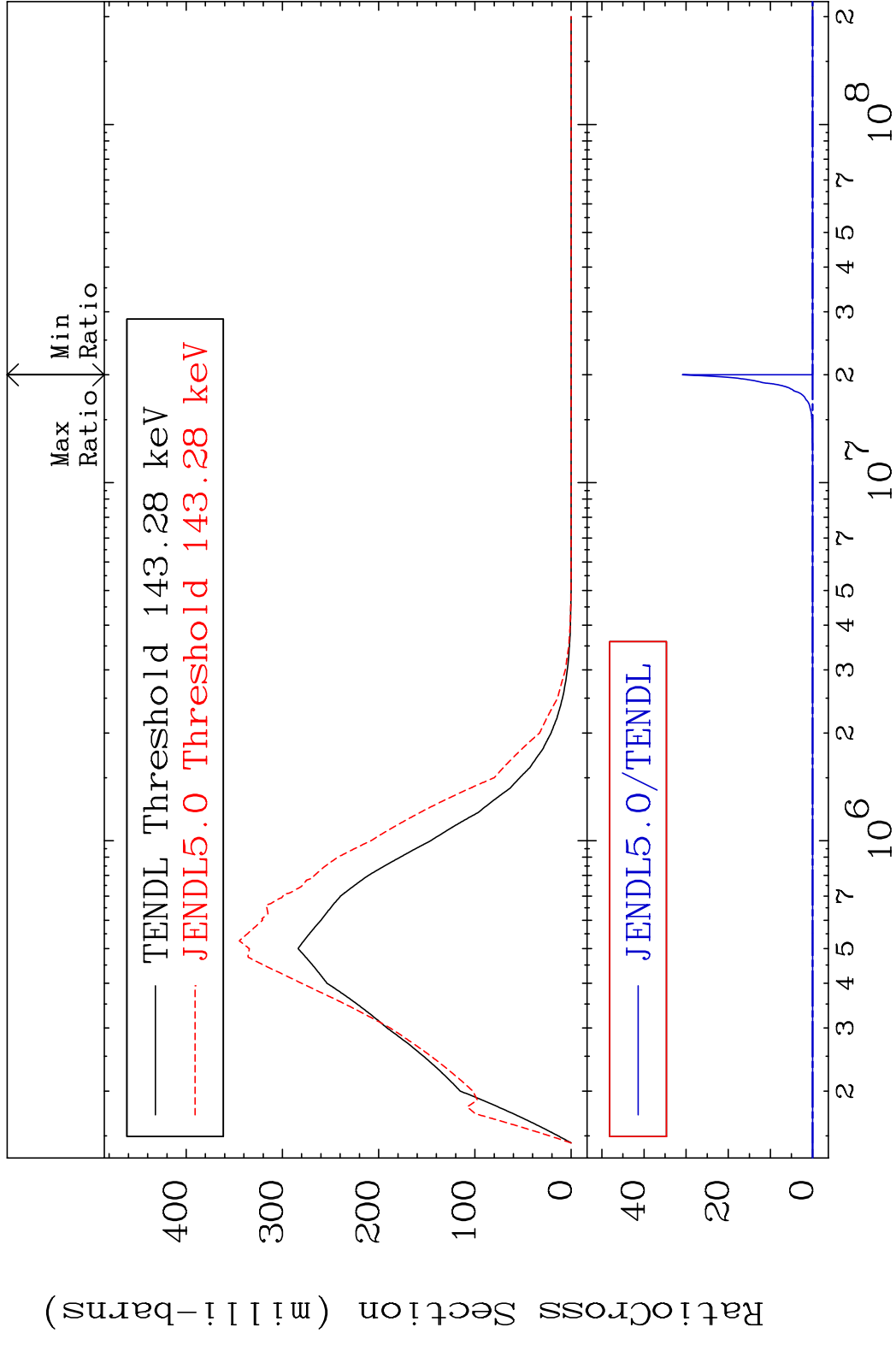


13 Incident Energy (eV) 69-Tm-167

MAT 6919 MT= 52 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

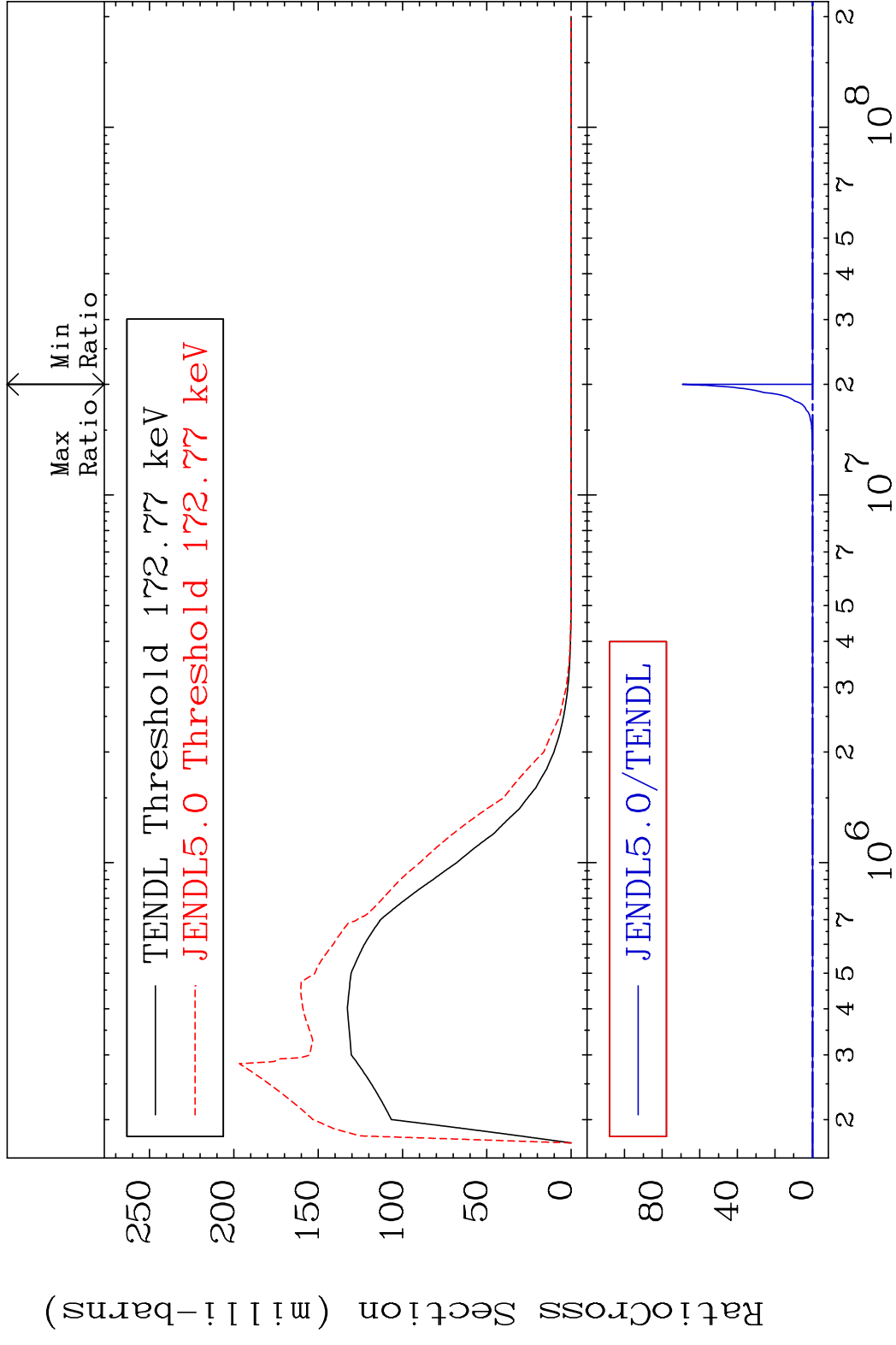


MAT 6919 MT= 53 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

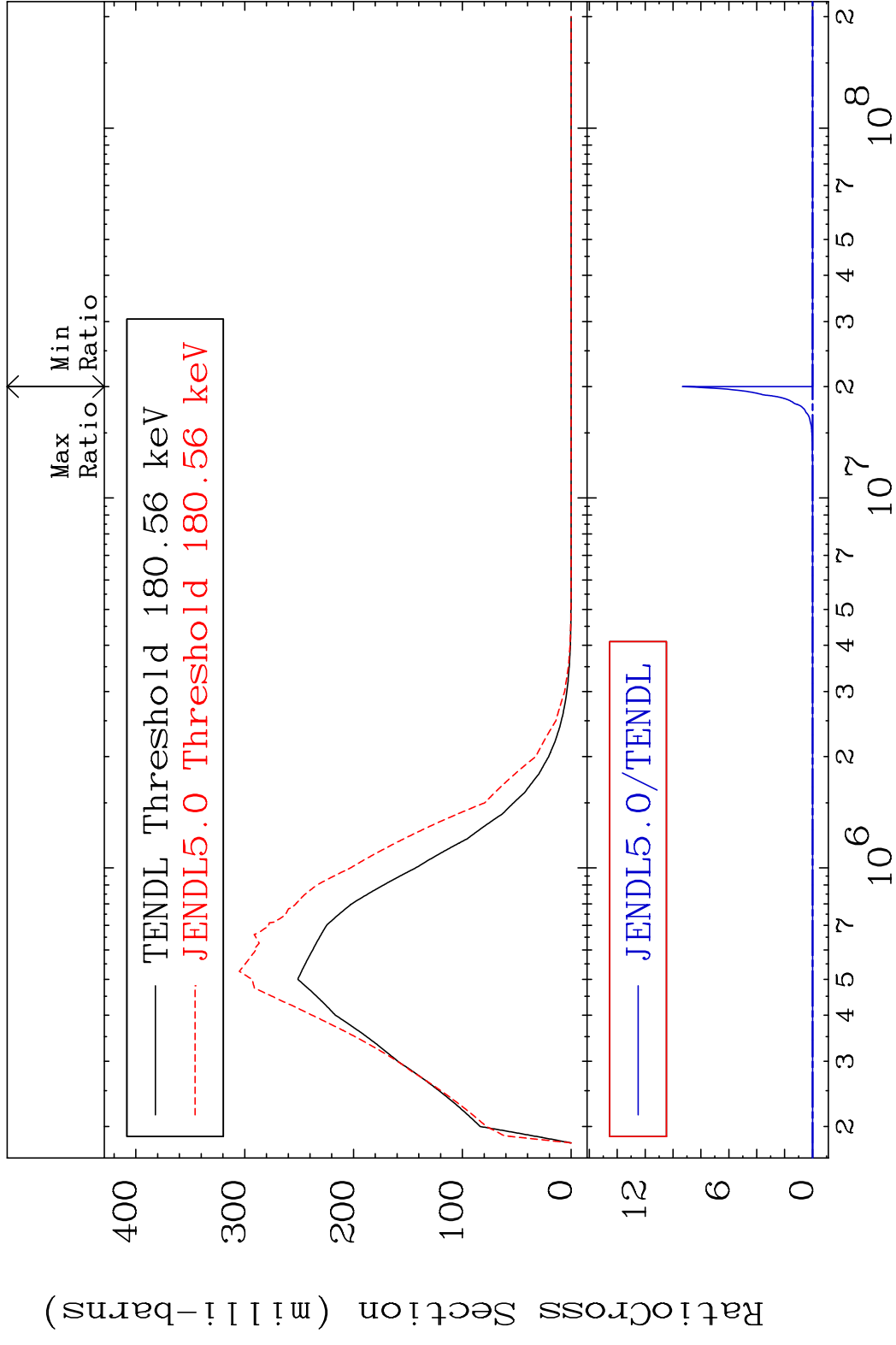


15 Incident Energy (eV) 69-Tm-167

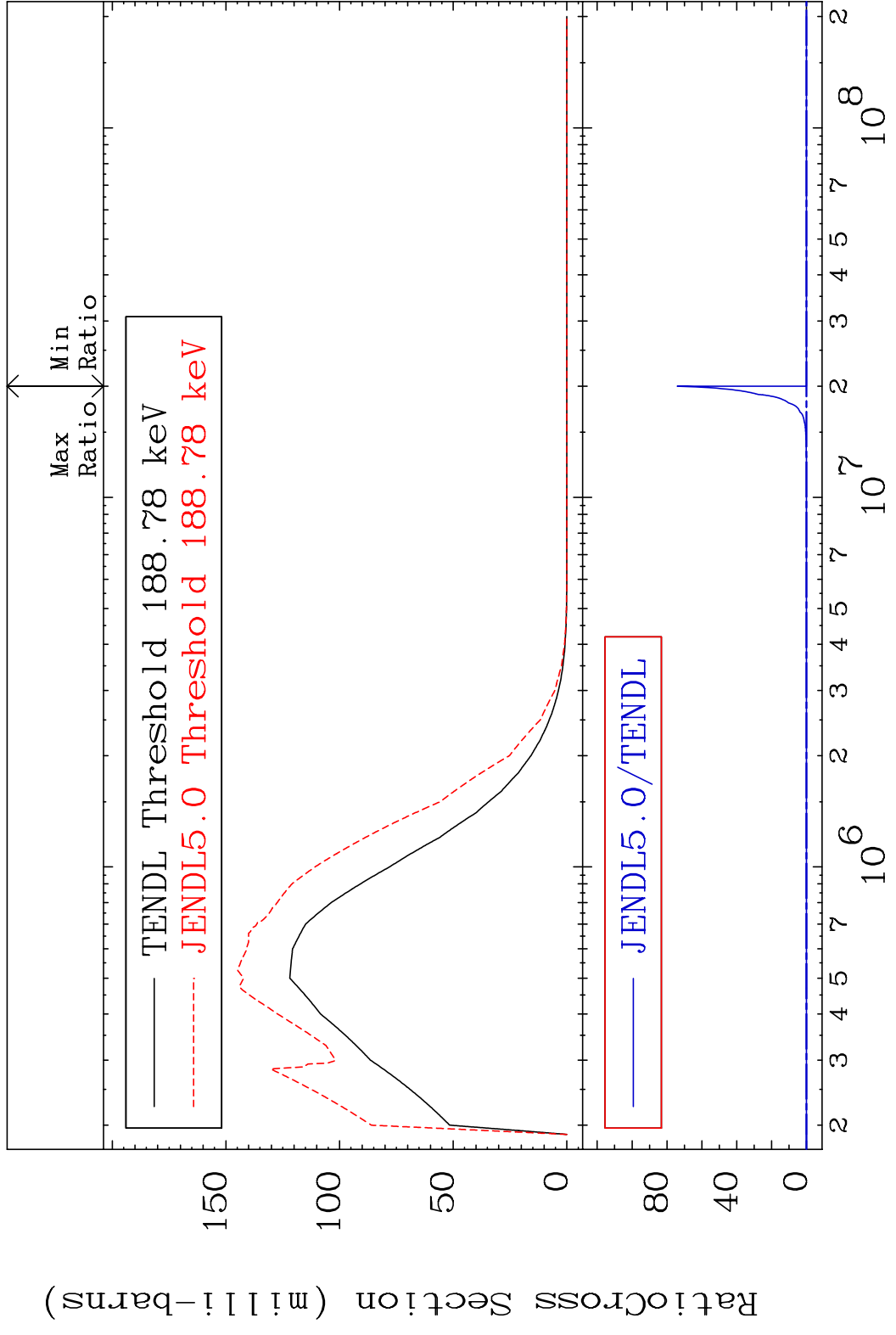
MAT 6919 MT= 54 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



MAT 6919 MT= 55 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

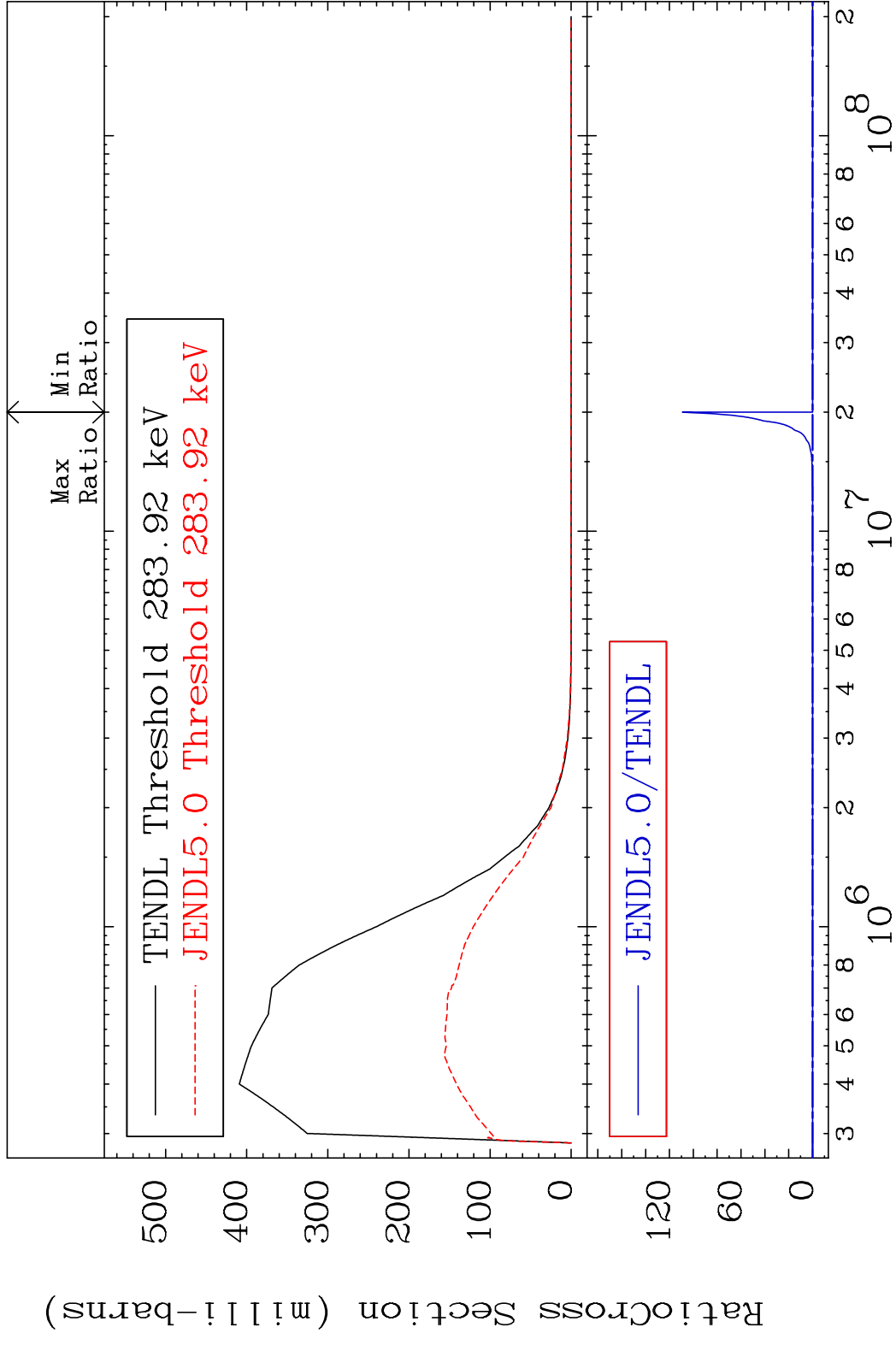


MAT 6919 MT= 56 (n,n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

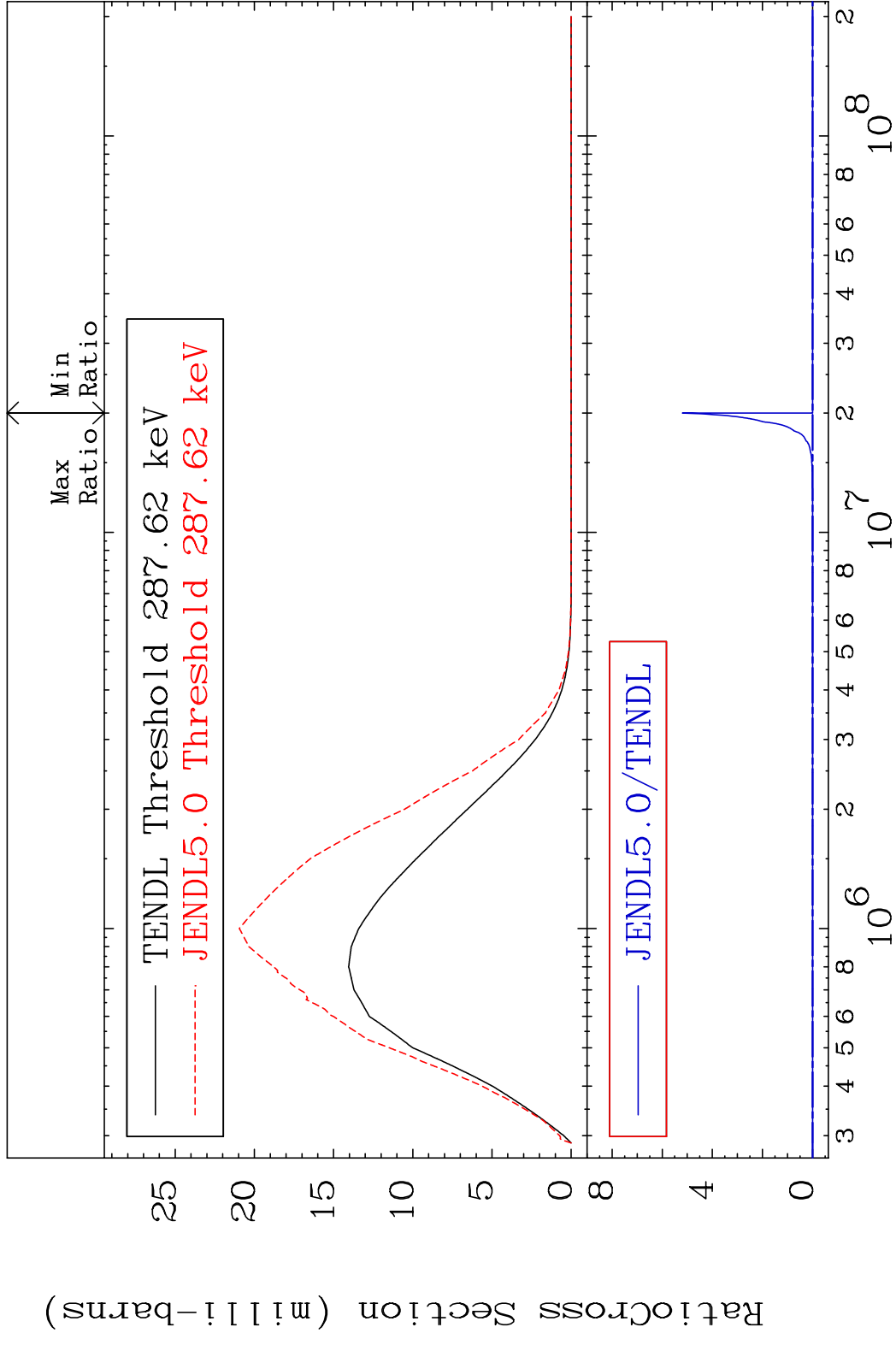


18 Incident Energy (eV) 69-Tm-167

MAT 6919 MT= 57 (n,n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

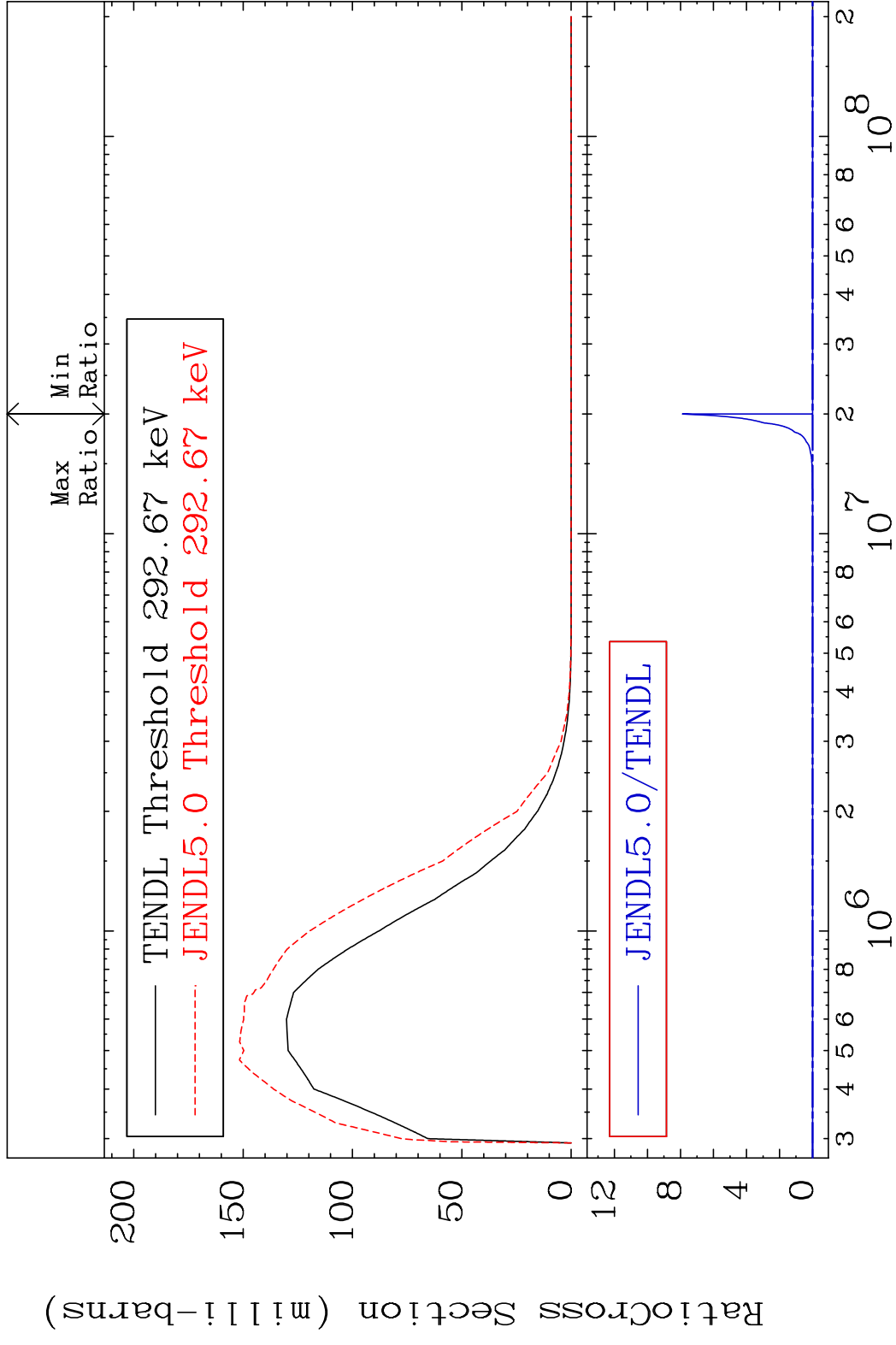


MAT 6919 MT= 58 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

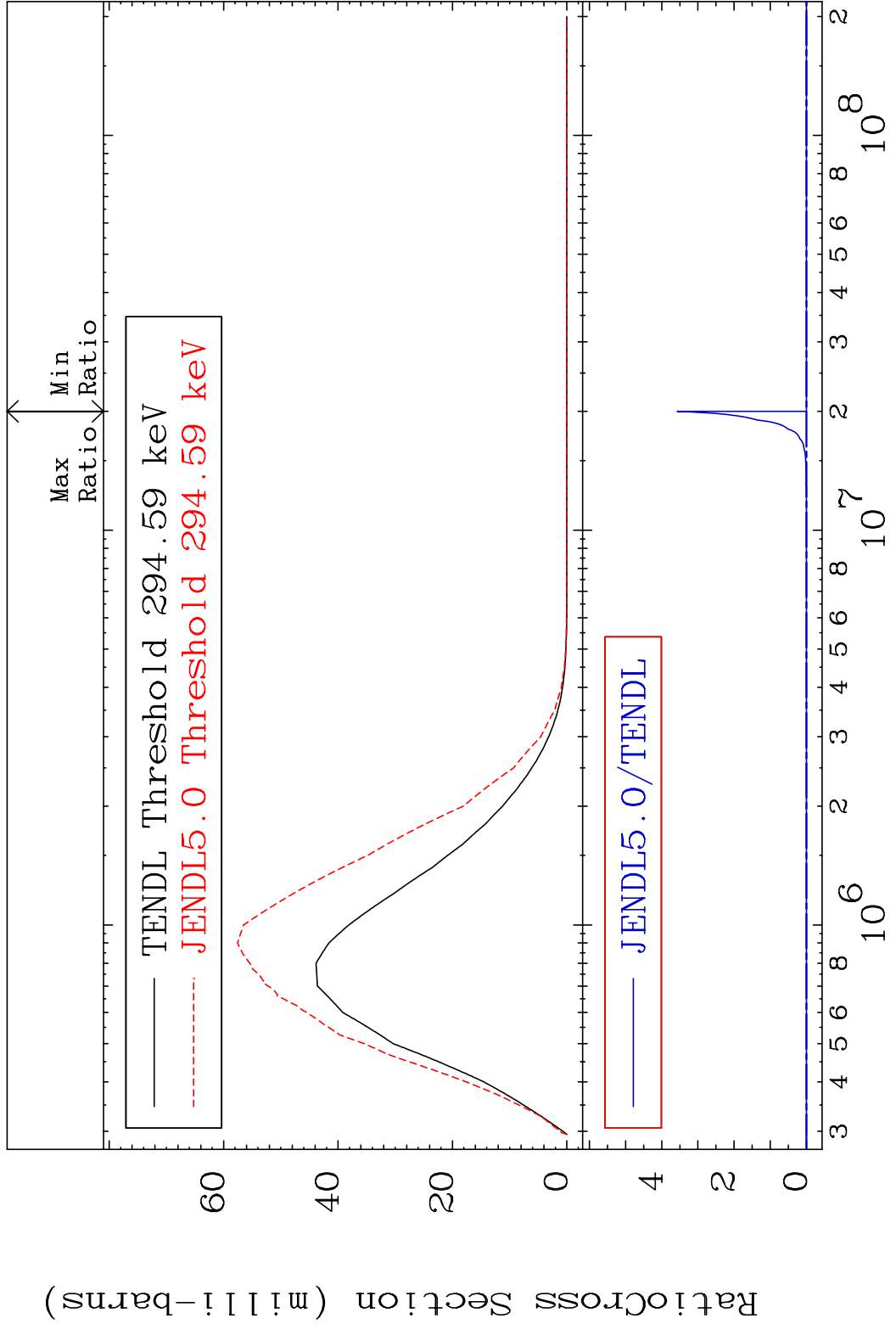


20 Incident Energy (eV) 69-Tm-167

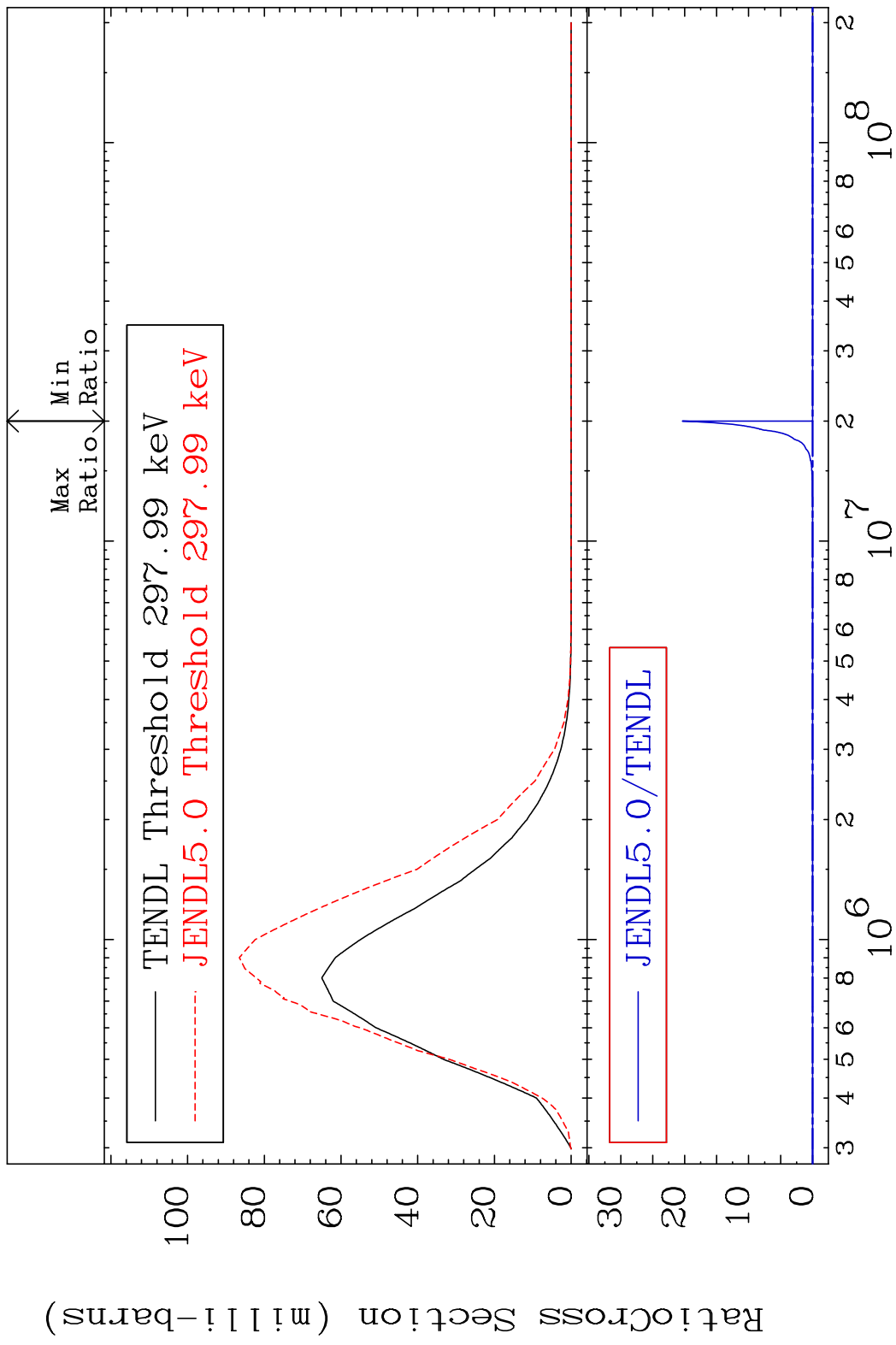
MAT 6919 MT= 59 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



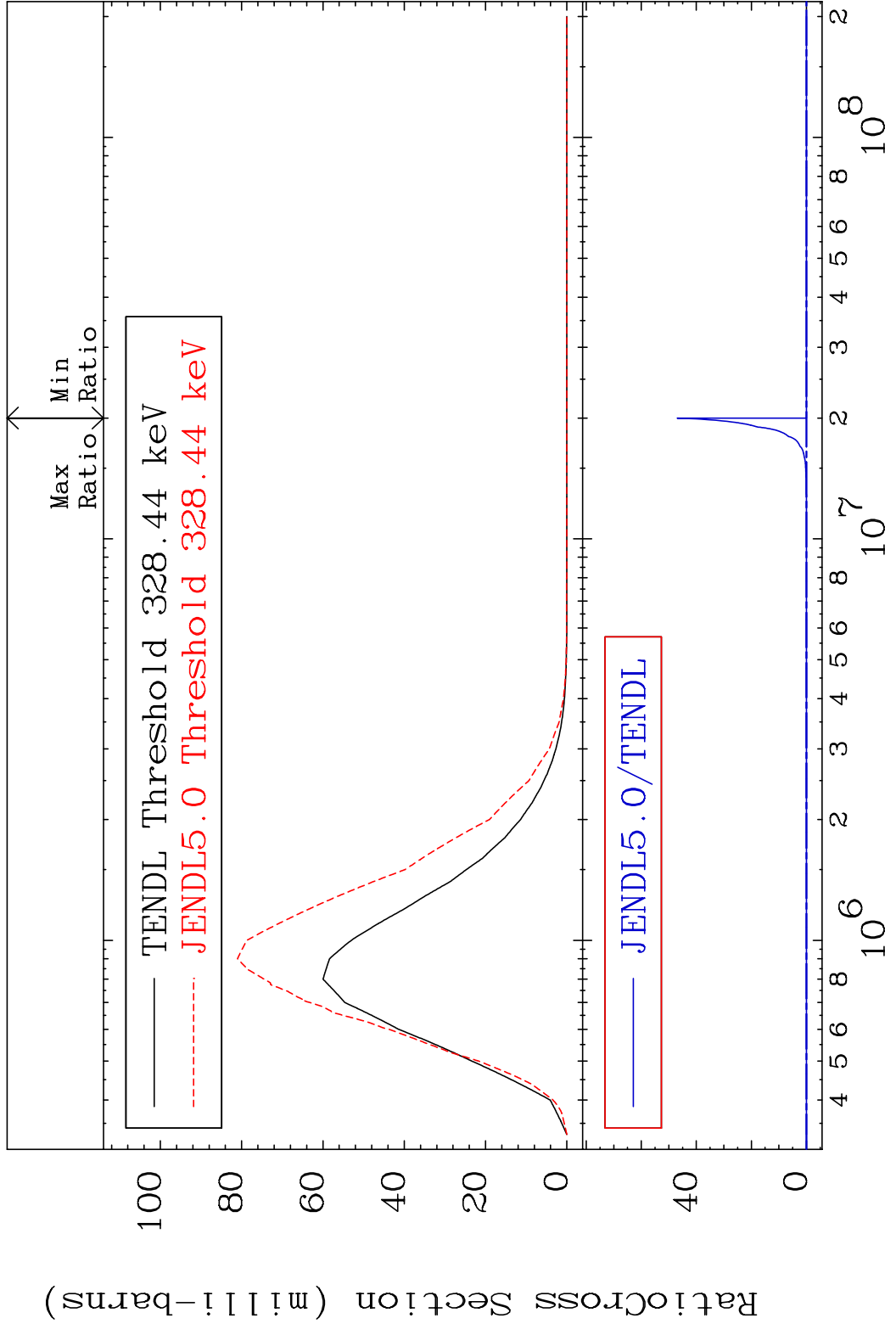
MAT 6919 MT= 60 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



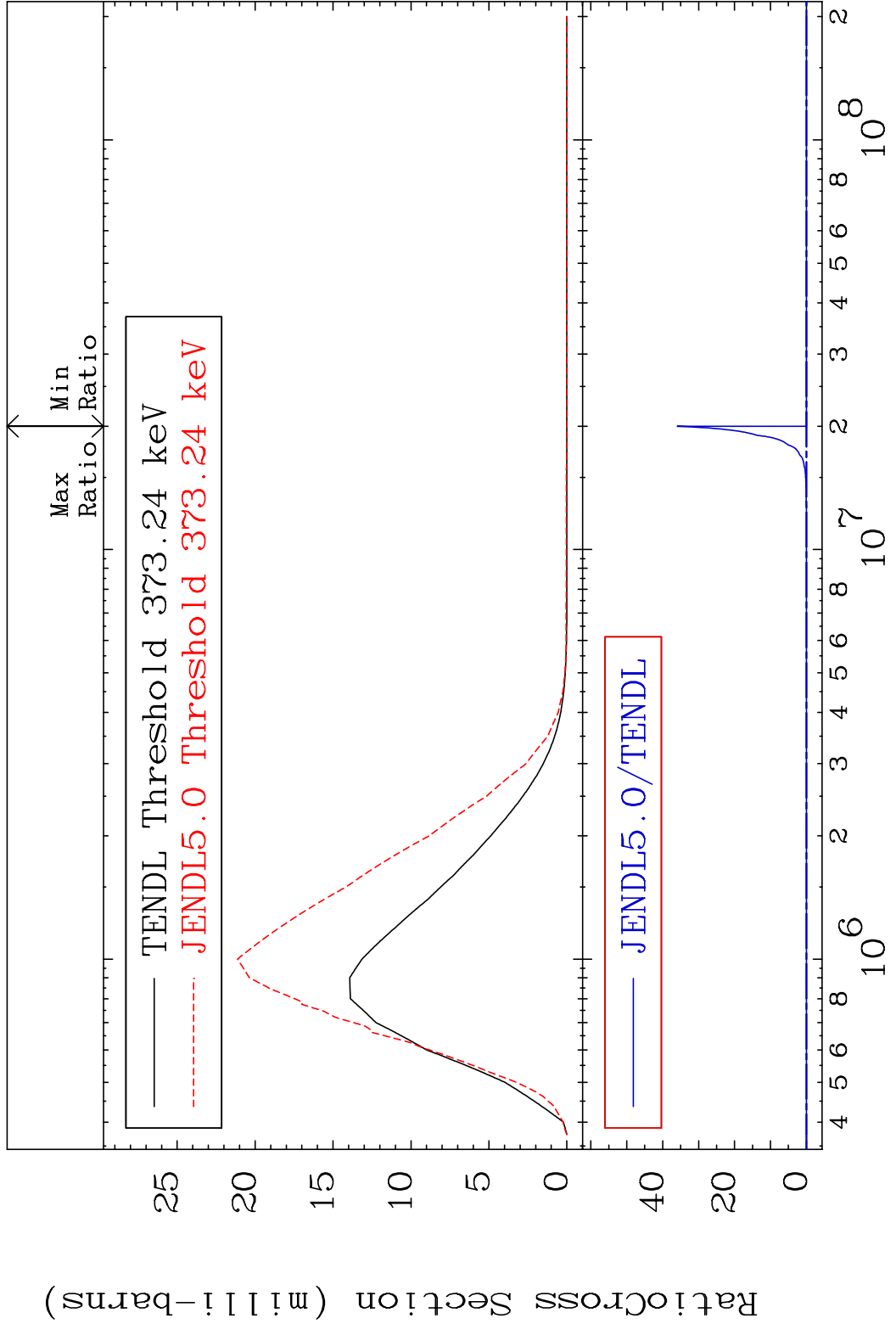
MAT 6919 MT= 61 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



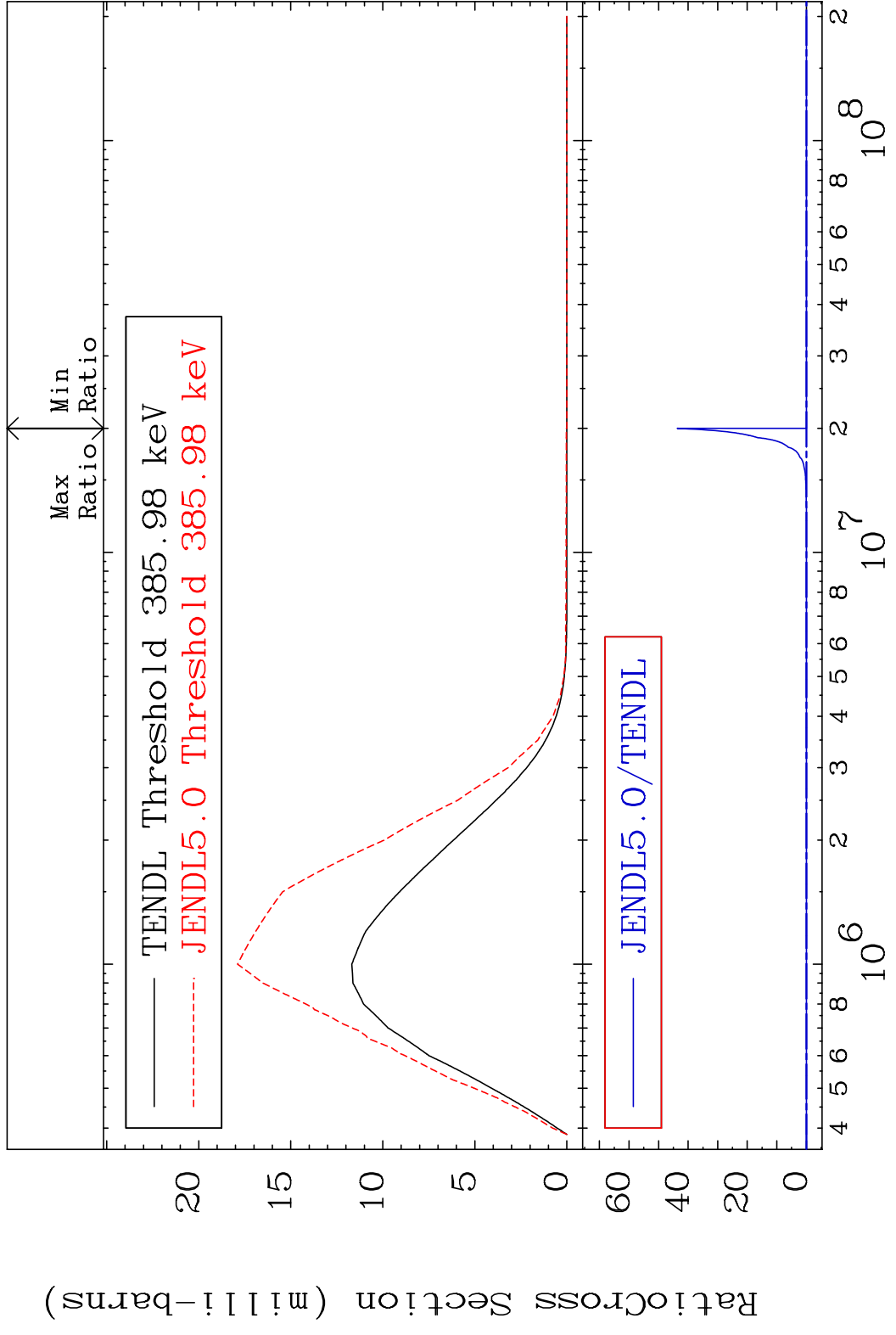
MAT 6919 MT= 62 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



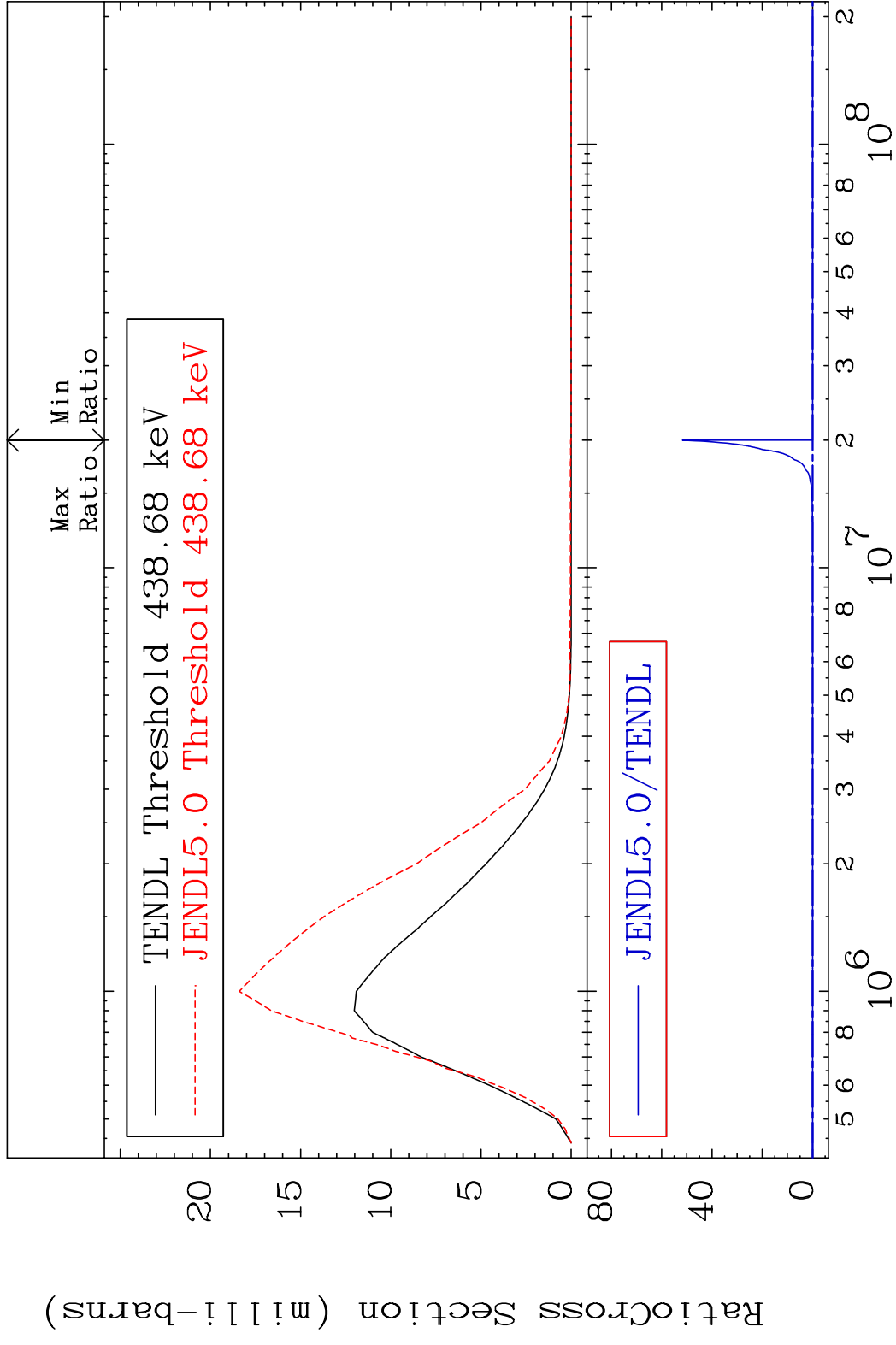
MAT 6919 MT= 63 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



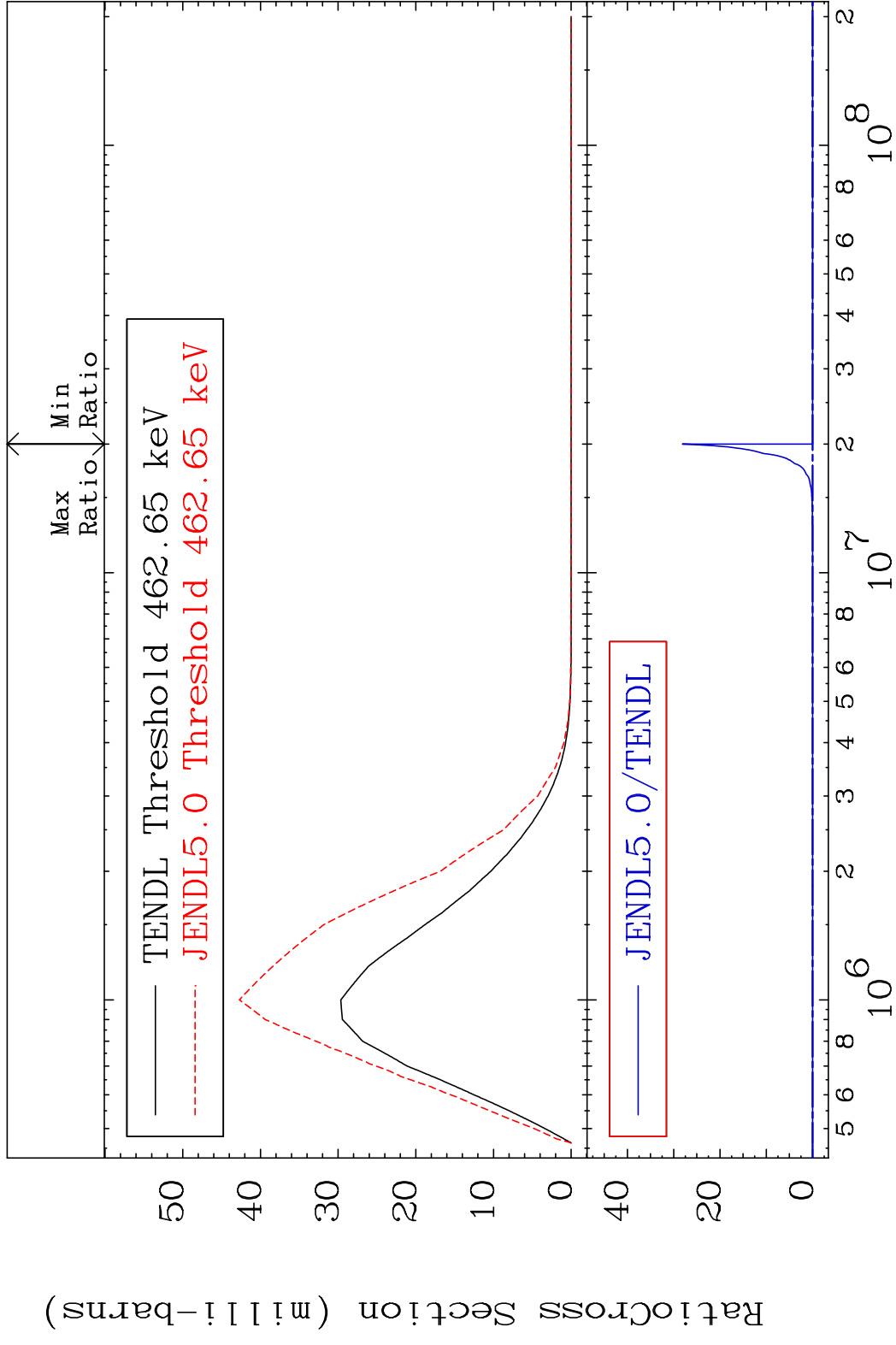
MAT 6919 MT= 64 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



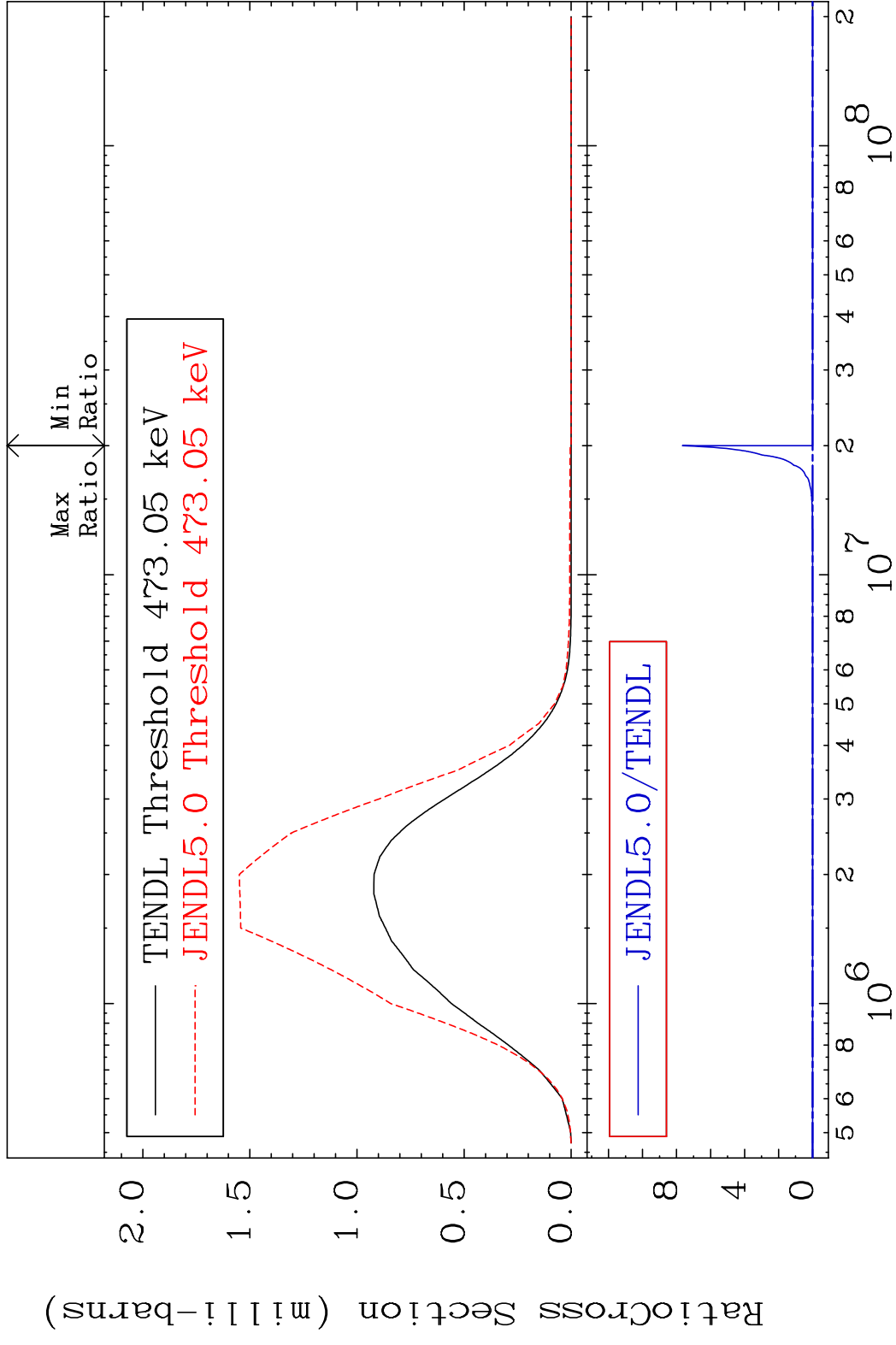
MAT 6919 MT= 65 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



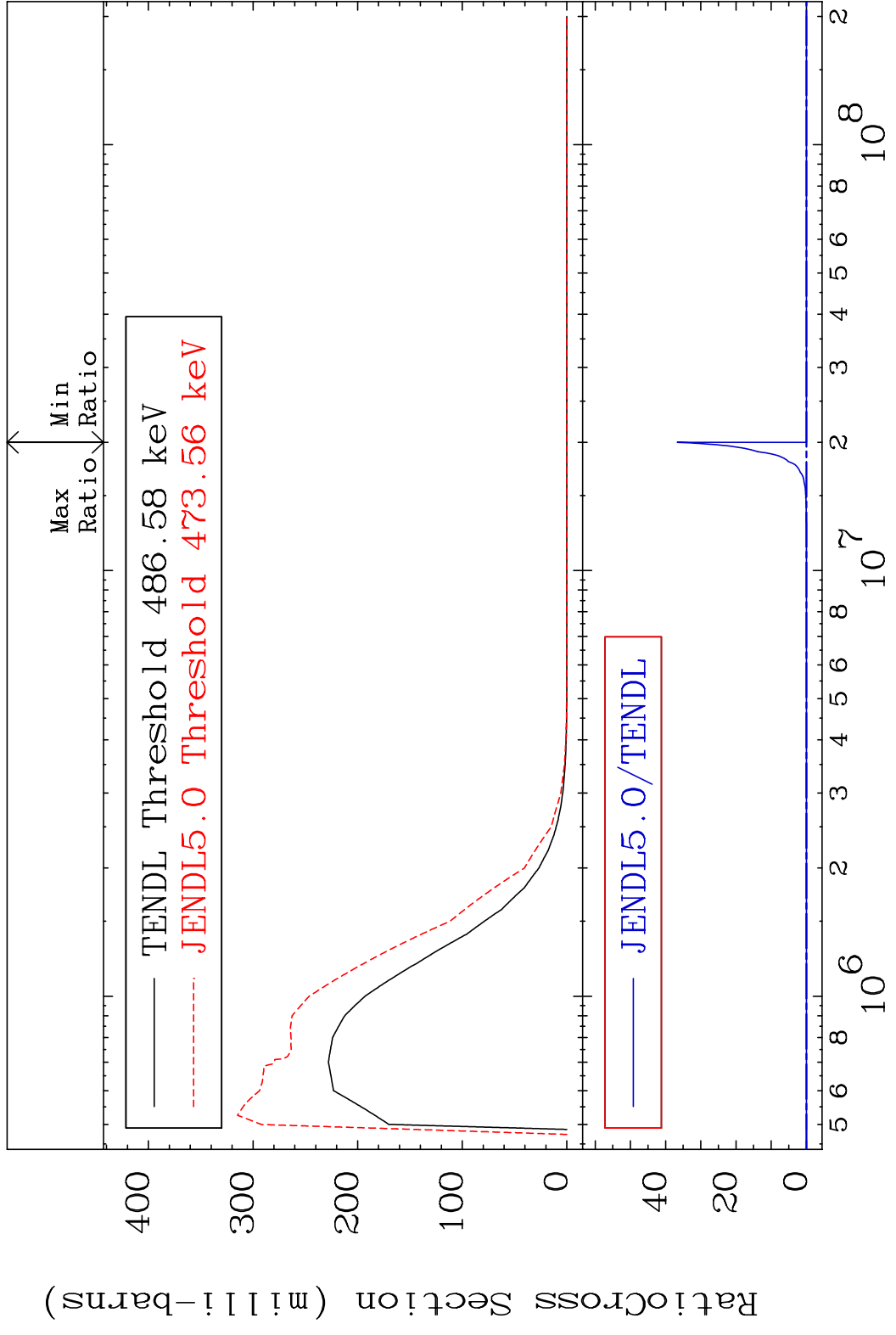
MAT 6919 MT= 66 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



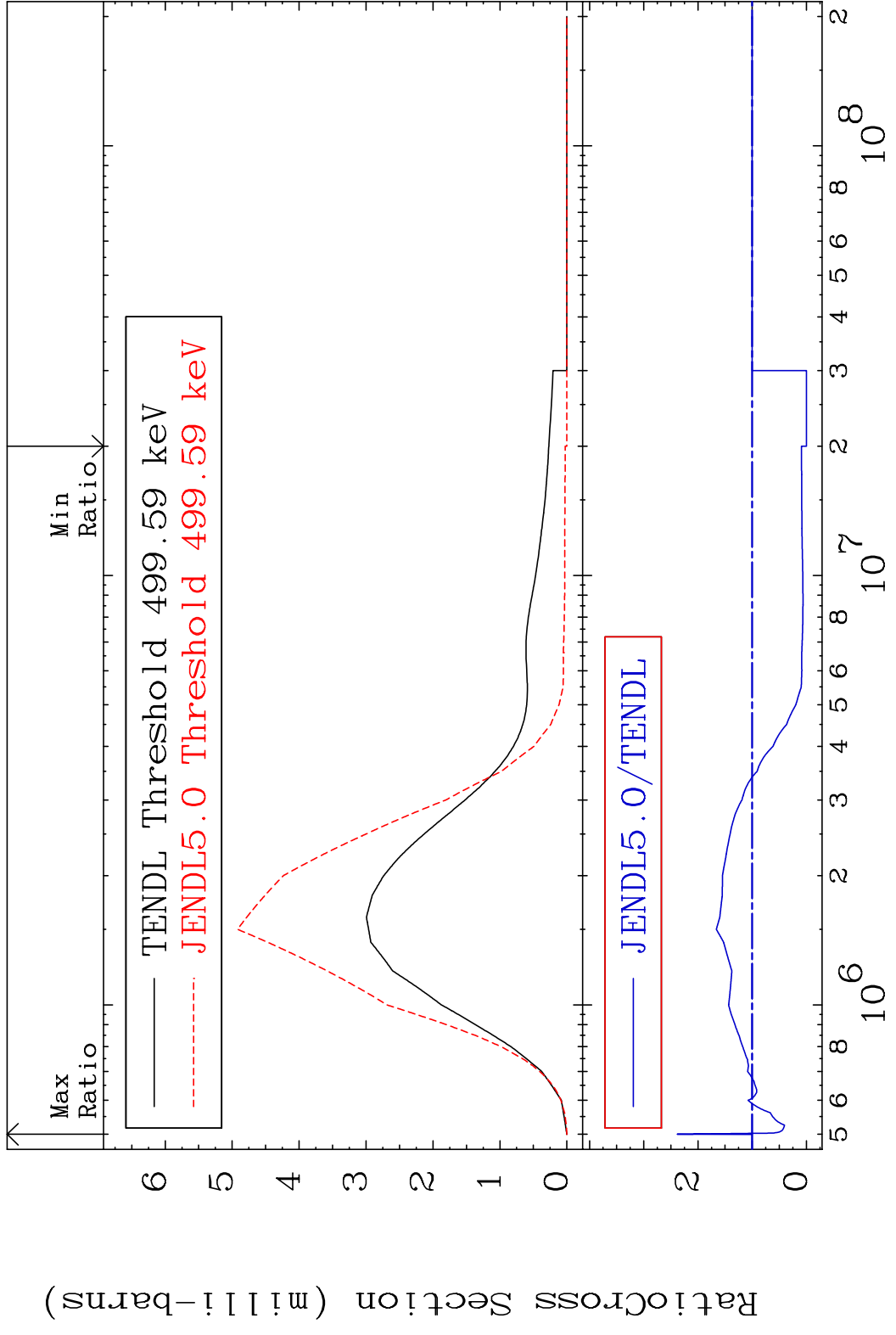
MAT 6919 MT= 67 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



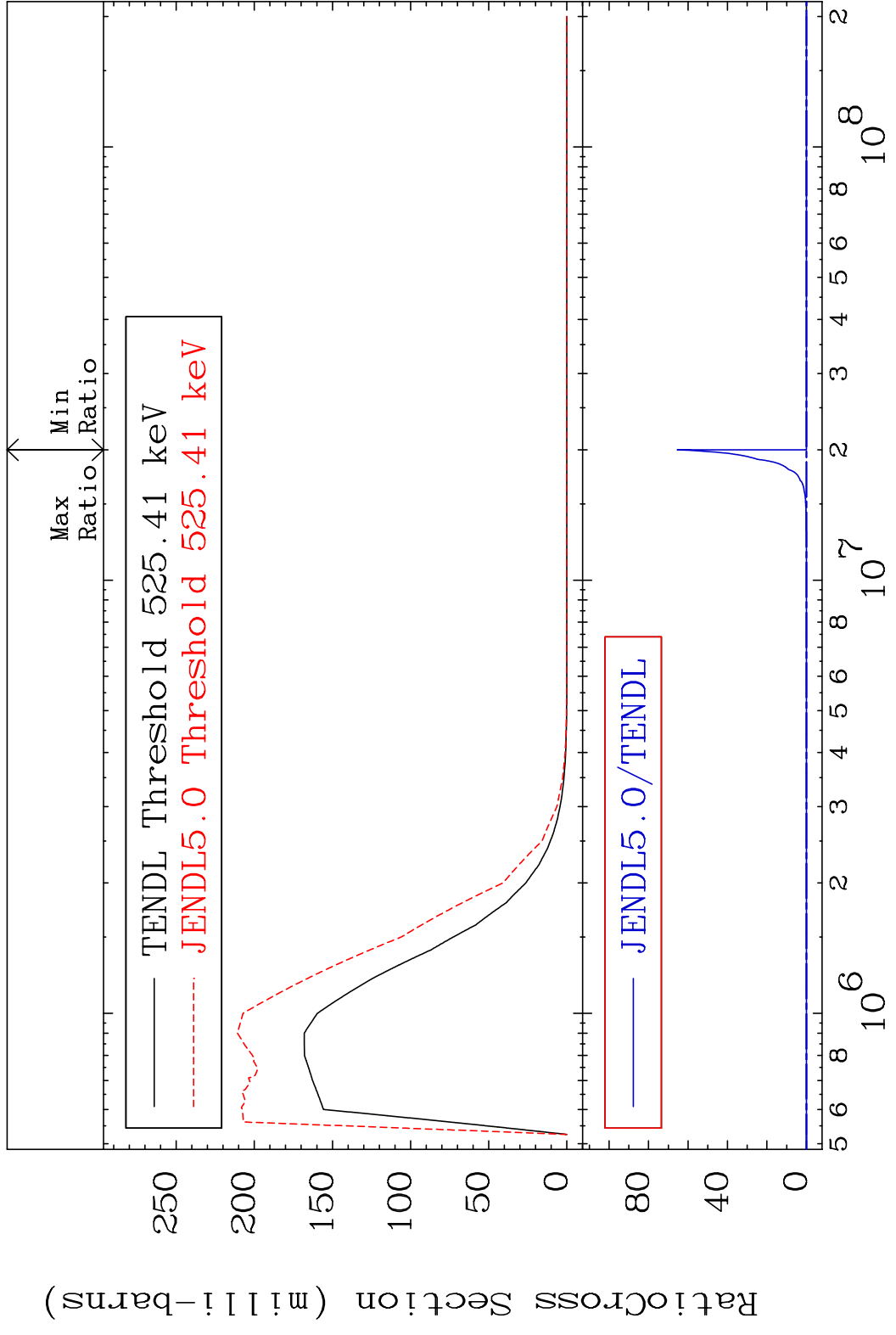
MAT 6919 MT= 68 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



MAT 6919 MT= 69 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 138.3 %

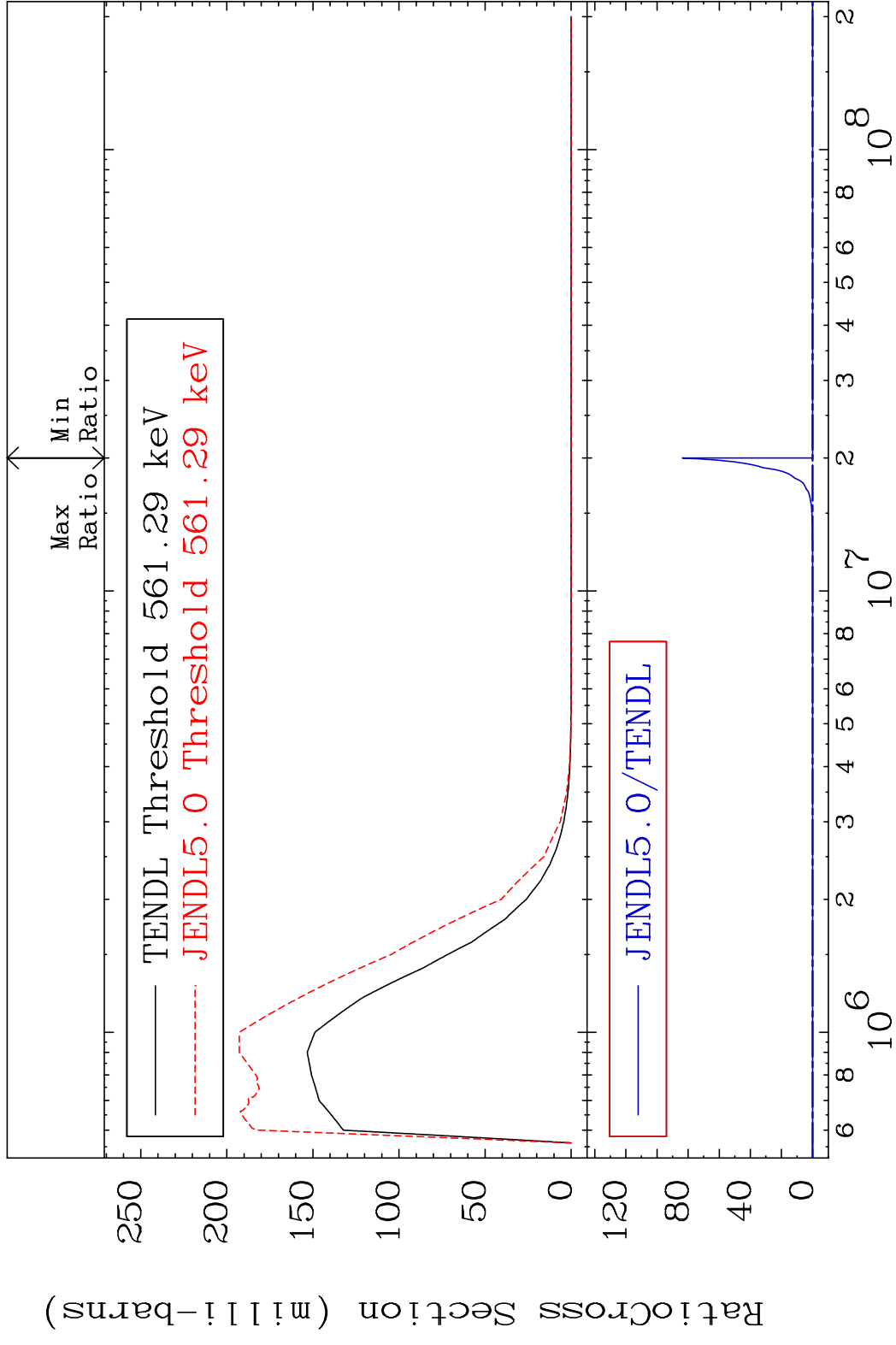


MAT 6919 MT= 70 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

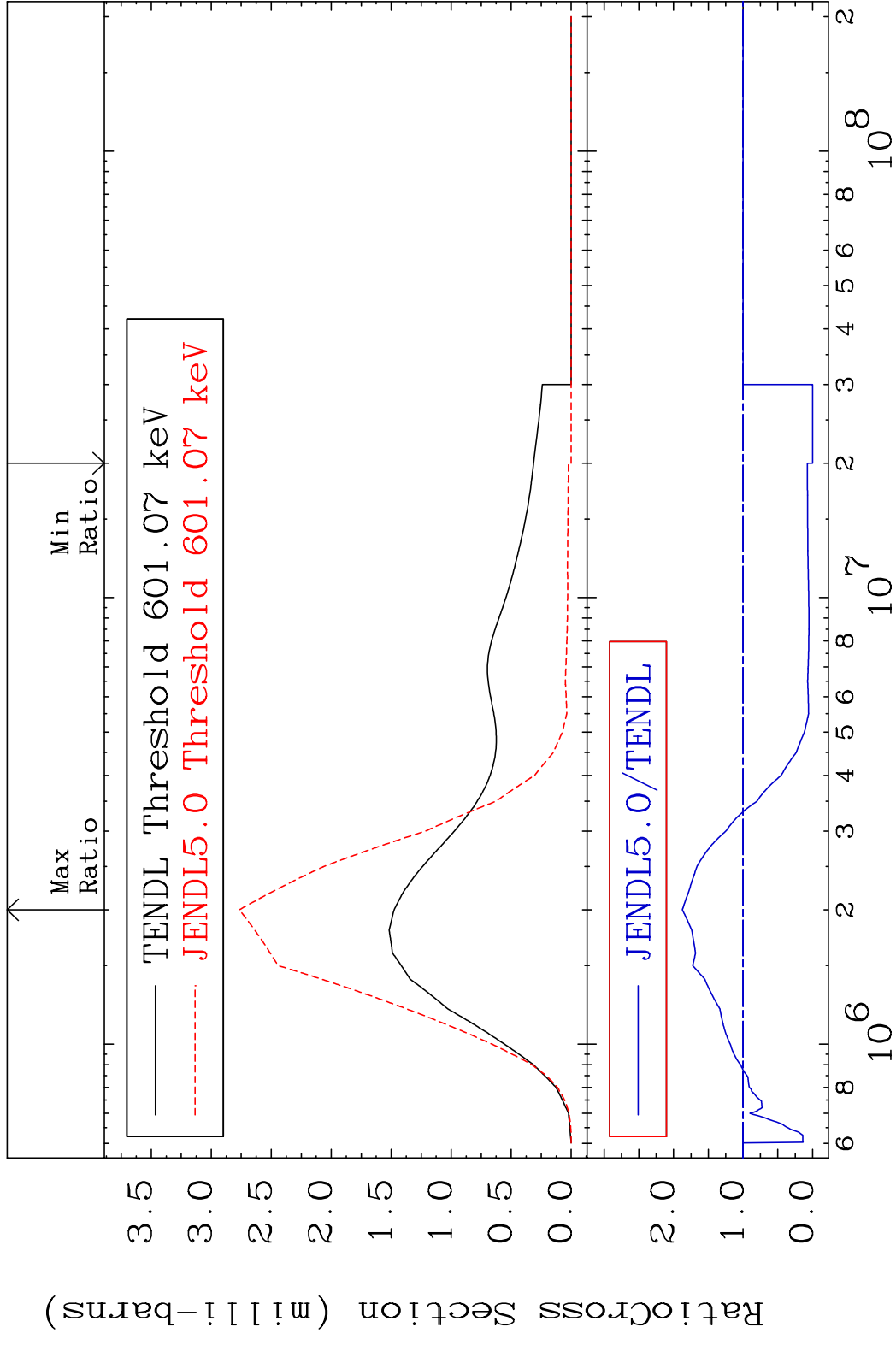


32 Incident Energy (eV) 69-Tm-167

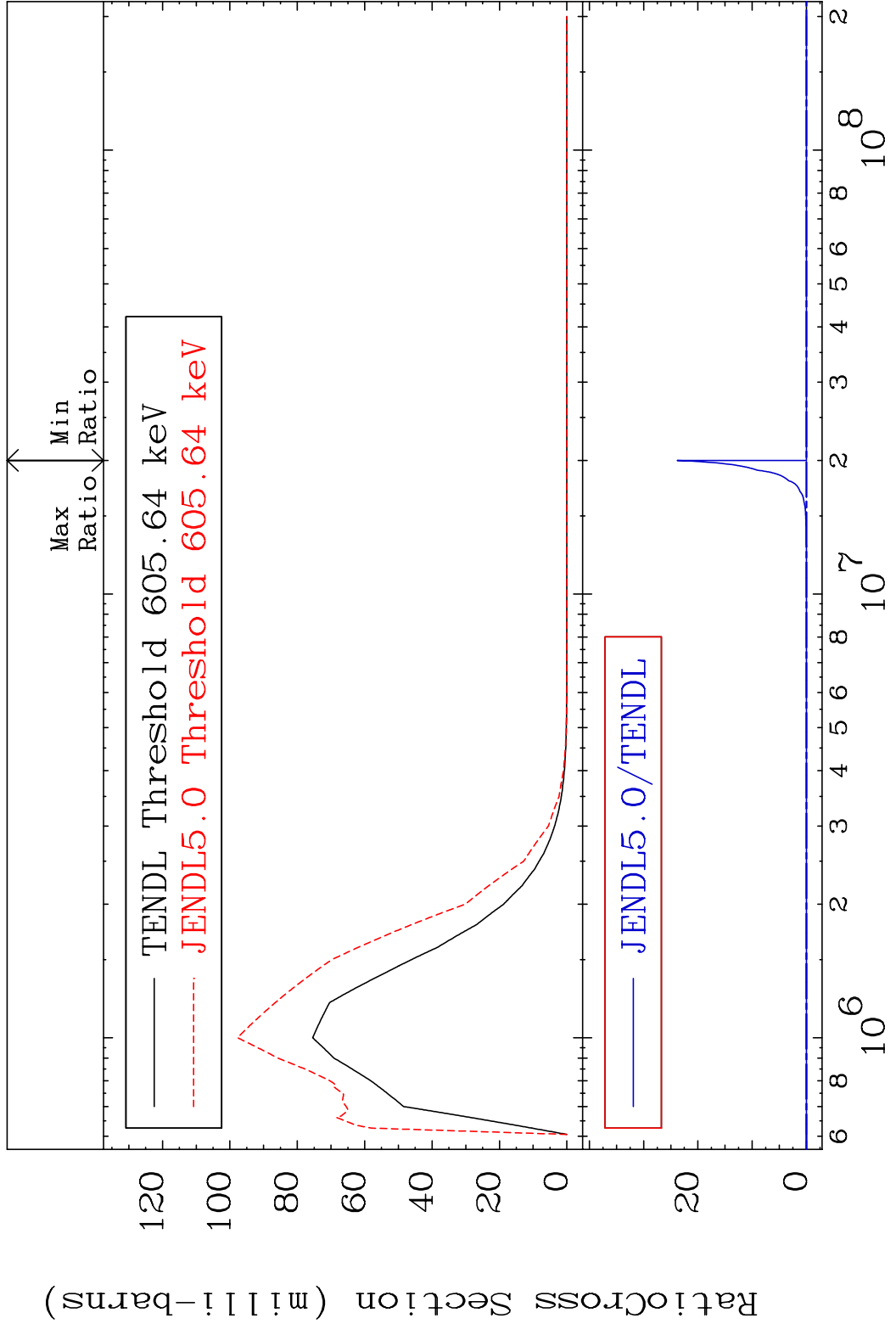
MAT 6919 MT= 71 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



MAT 6919 MT= 72 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 87.38 %

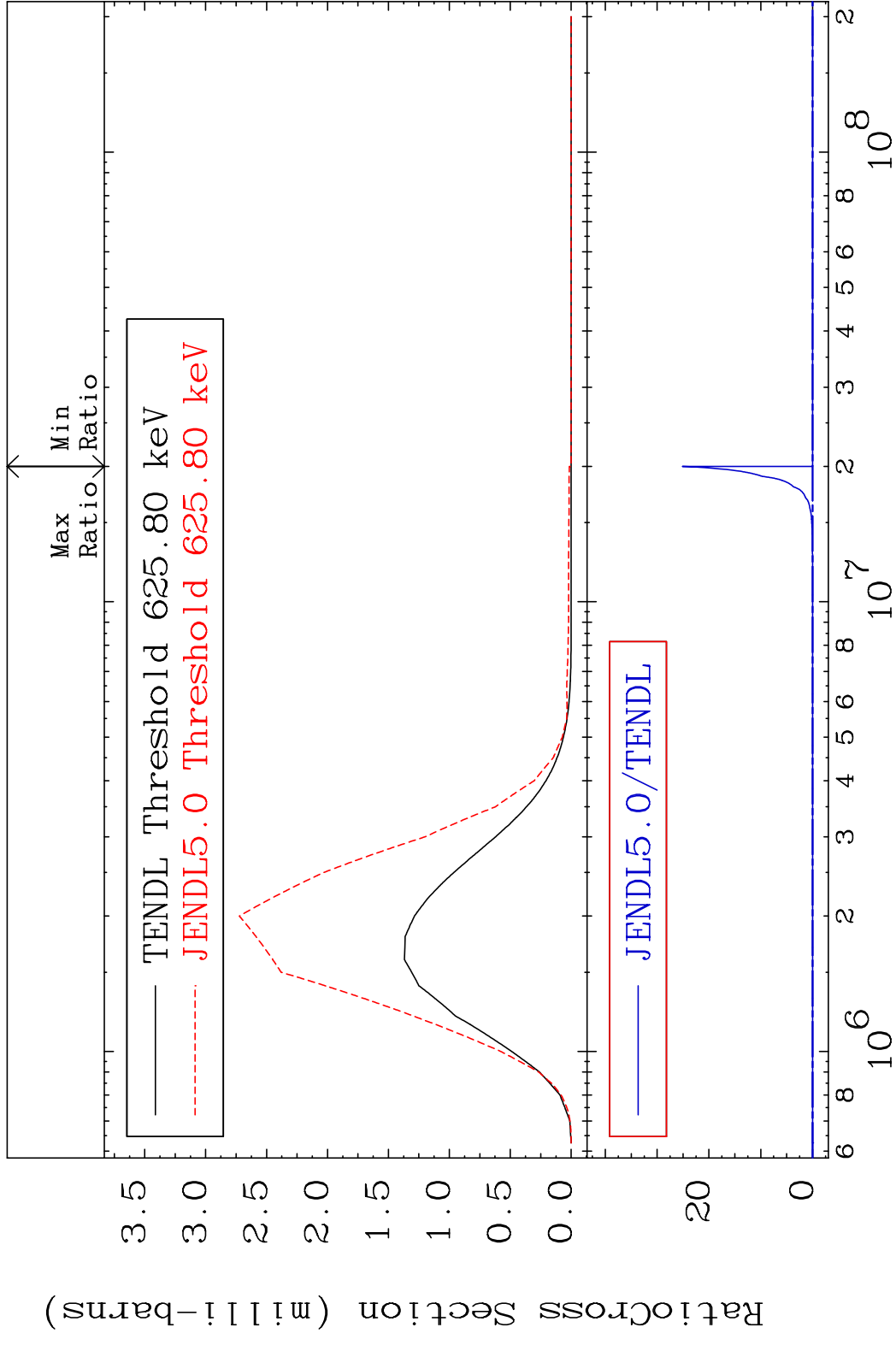


MAT 6919 MT= 73 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



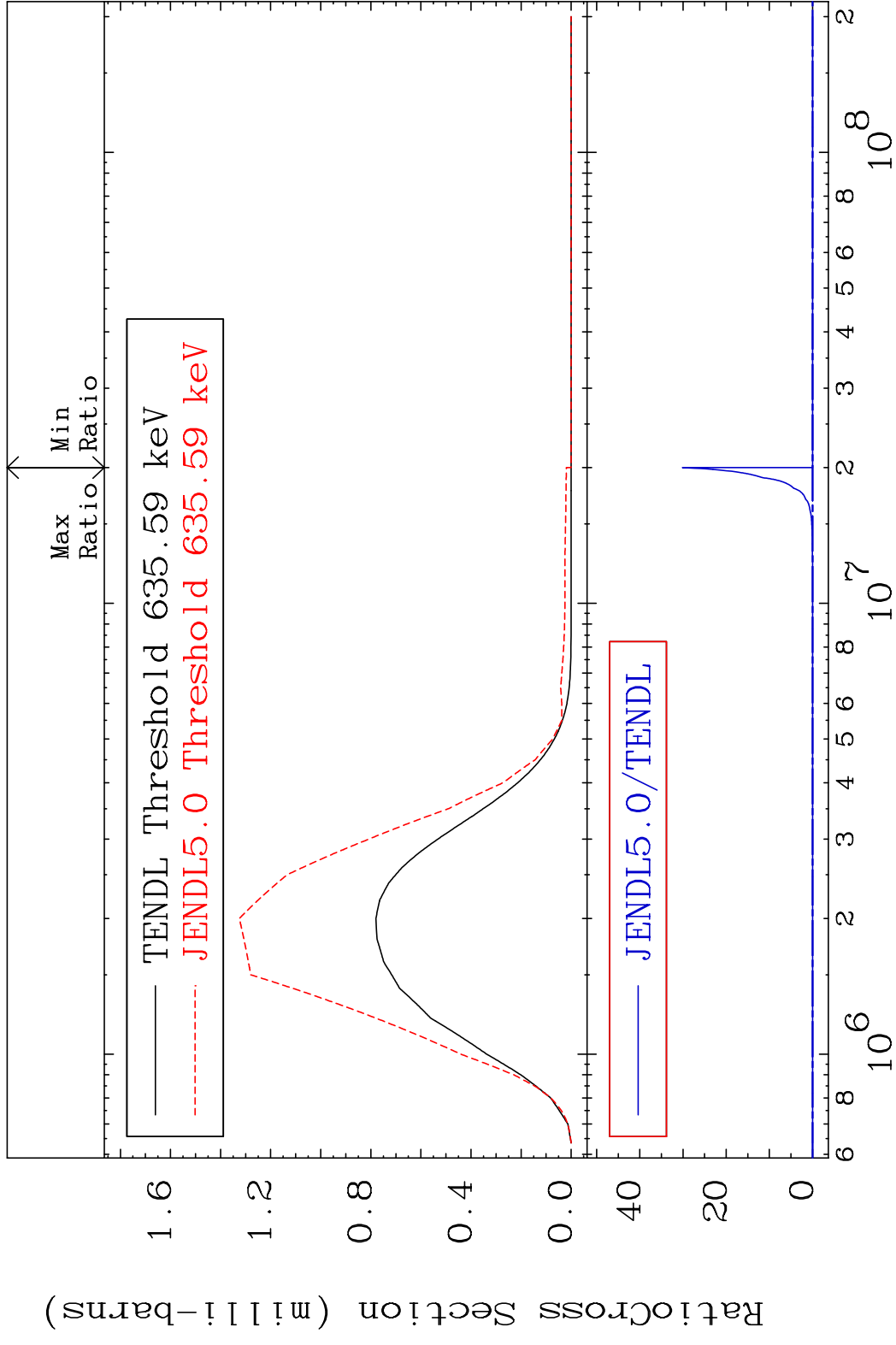
35 Incident Energy (eV) 69-Tm-167

MAT 6919 MT= 74 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %

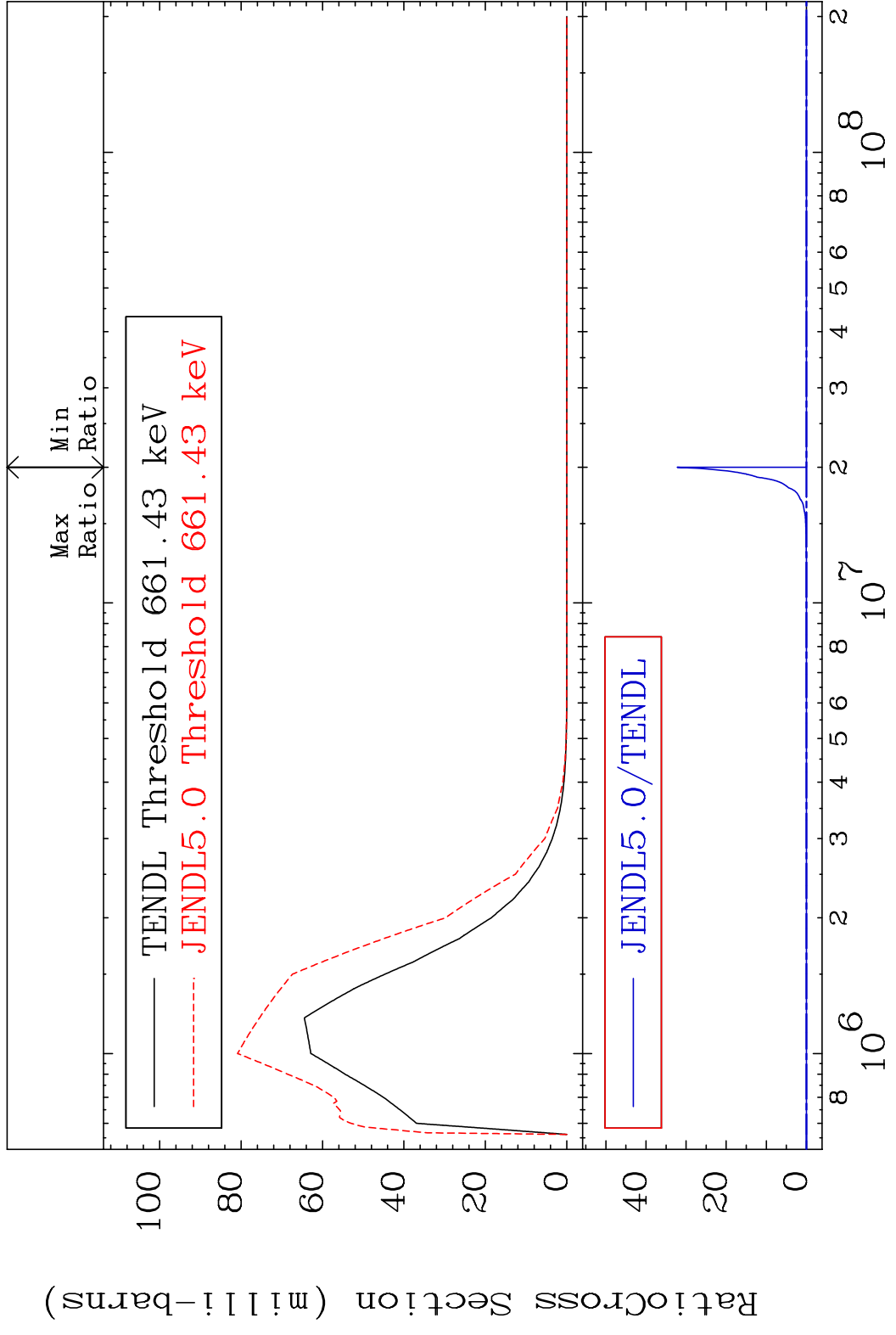


36 Incident Energy (eV) 69-Tm-167

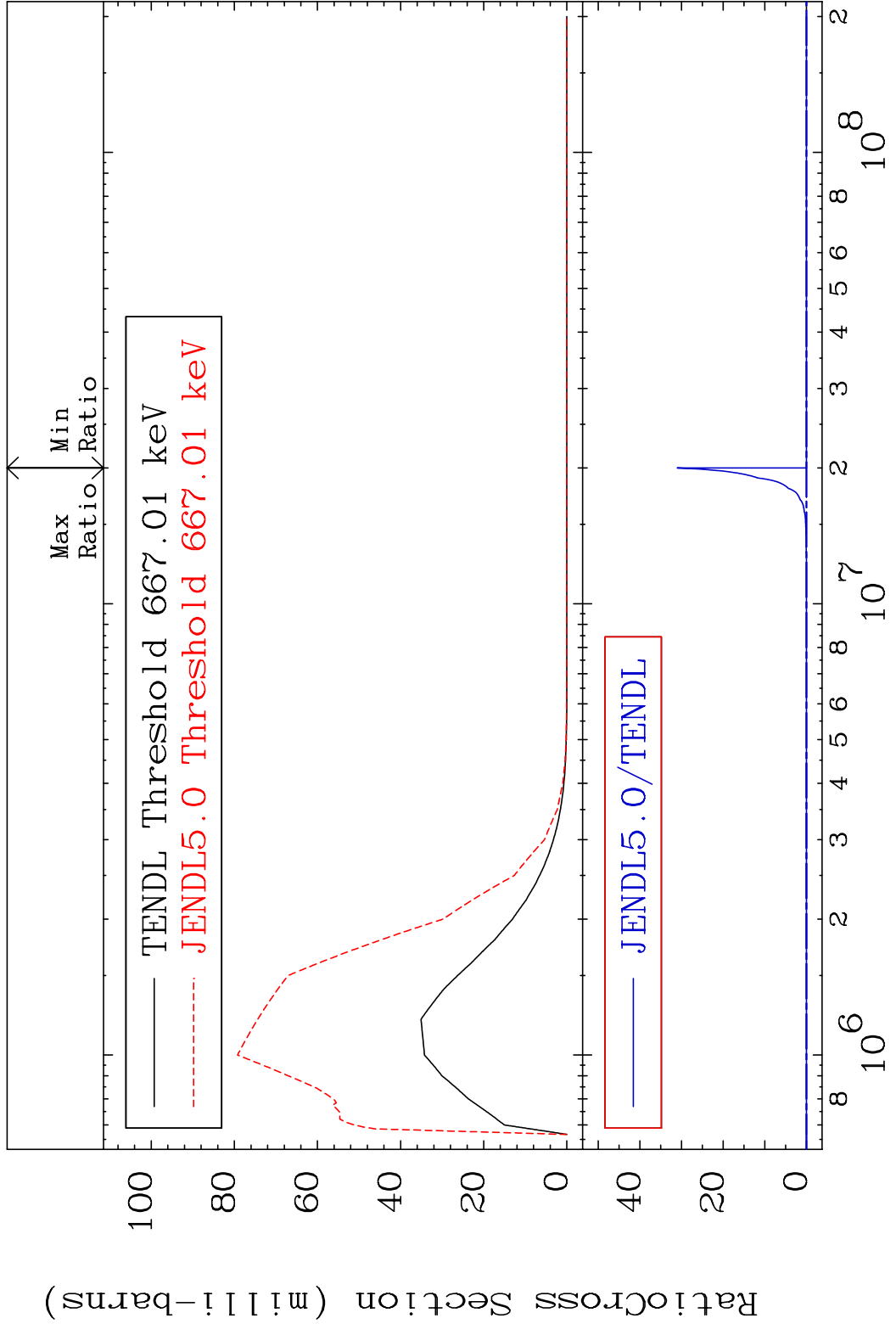
MAT 6919 MT= 75 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



MAT 6919 MT= 76 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



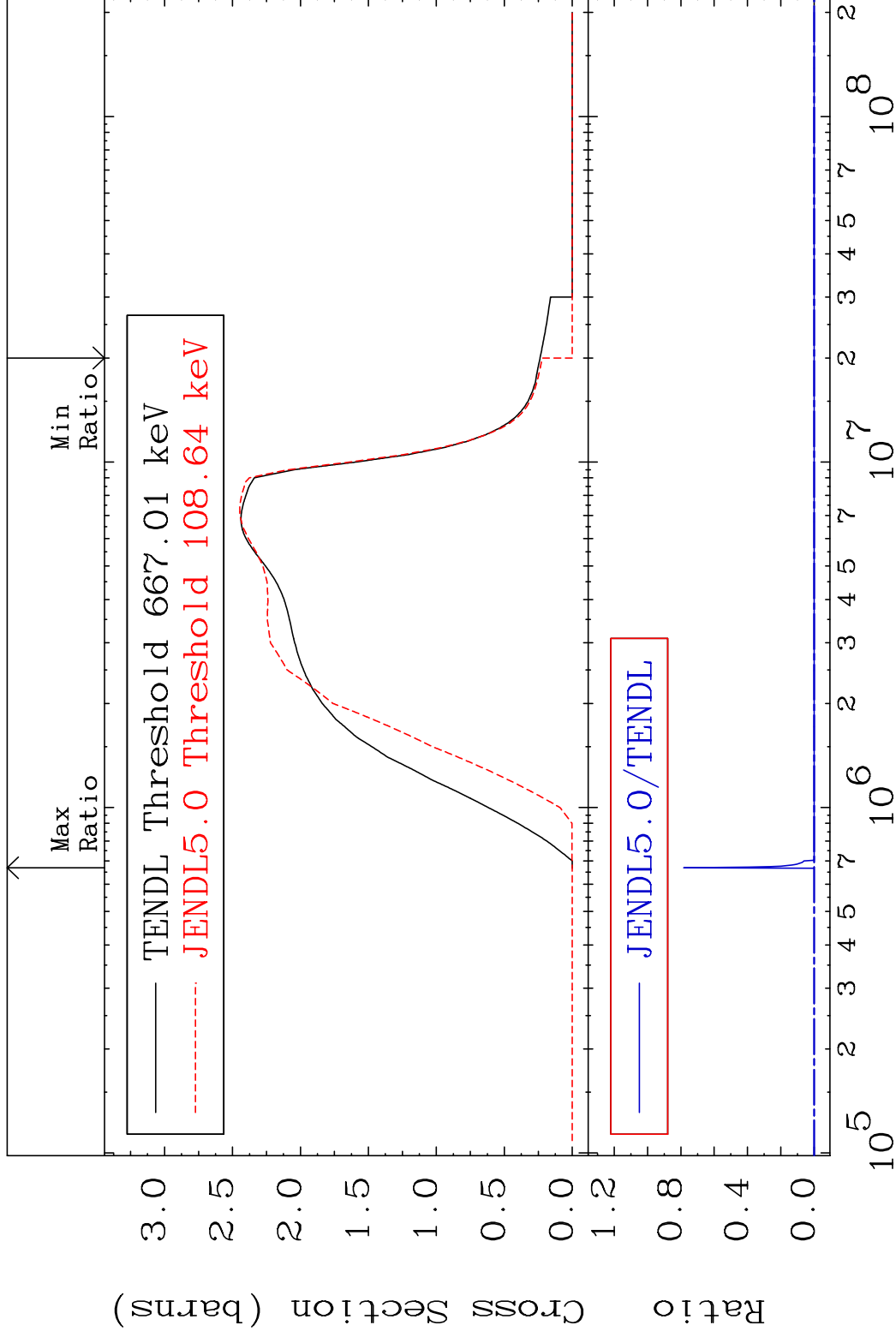
MAT 6919 MT= 77 (n, n') Level 69-Tm-167  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 69-Tm-167

MAT 6919

(n, n') Continuum 69-Tm-167  
Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

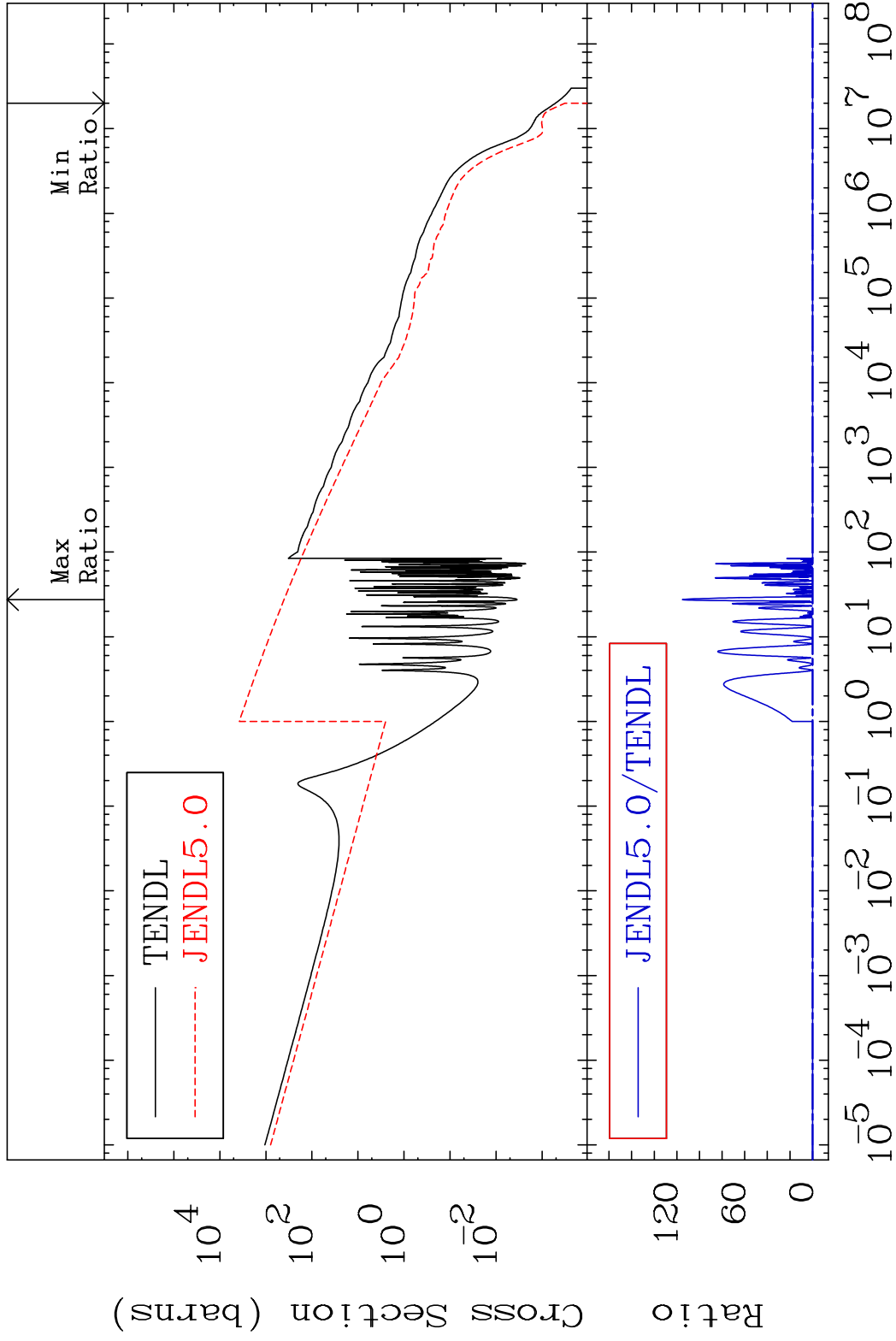
69-Tm-167

MAT 6919

(n,  $\gamma$ )

69-Tm-167

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

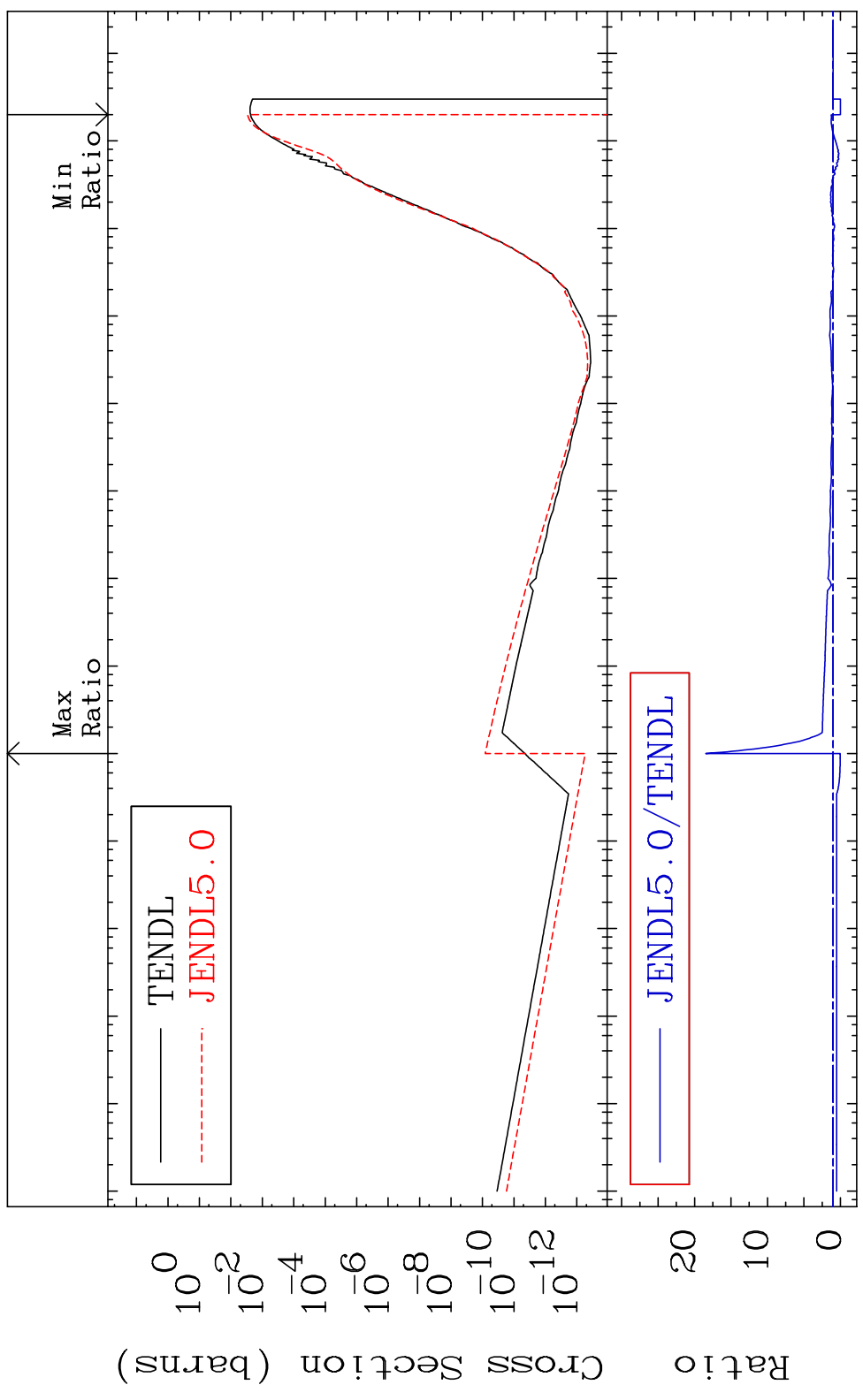
69-Tm-167

MAT 6919

(n, p)

69-Tm-167

Cross Section -100.0 To 1747. %

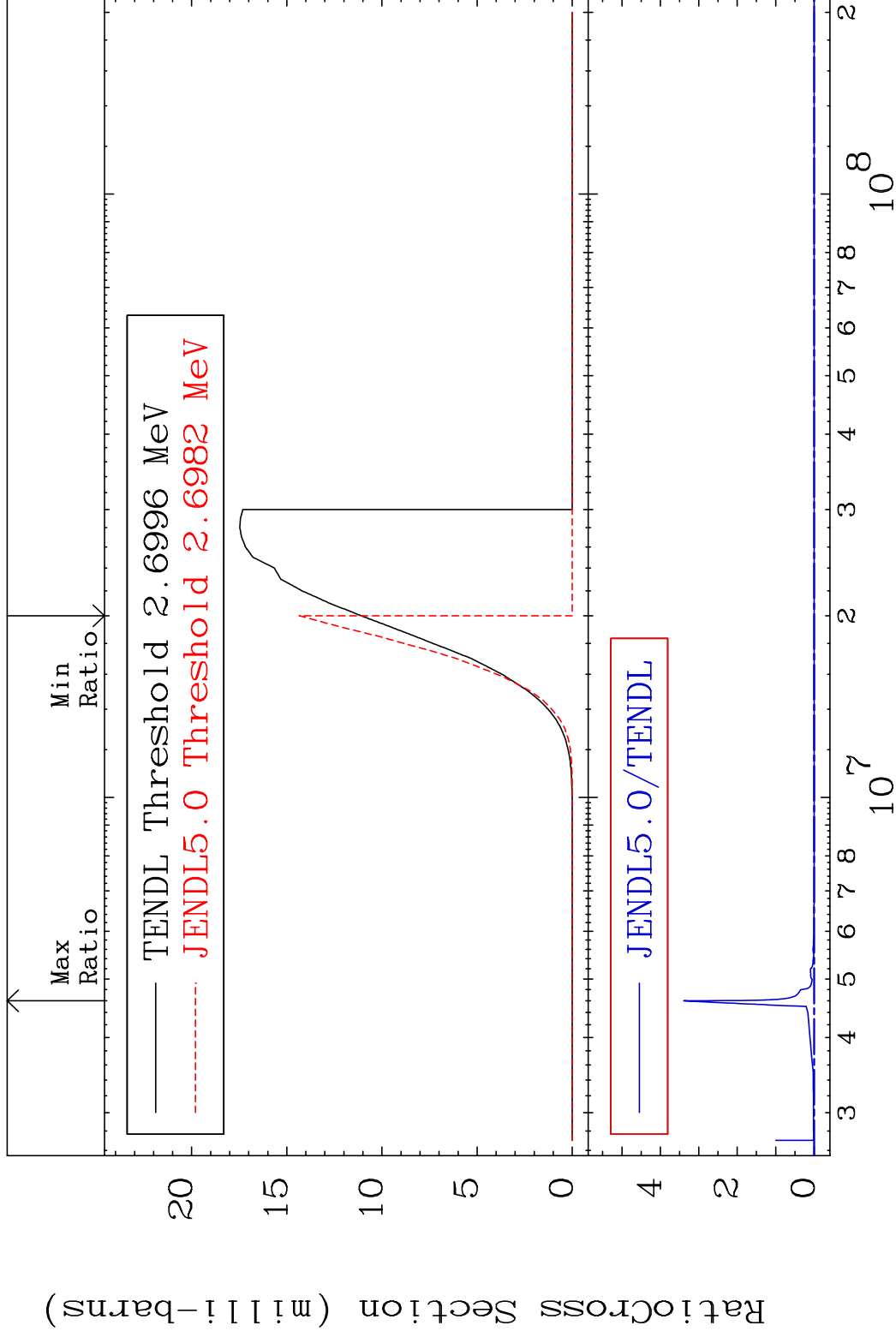


MAT 6919

(n, d)

69-Tm-167

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

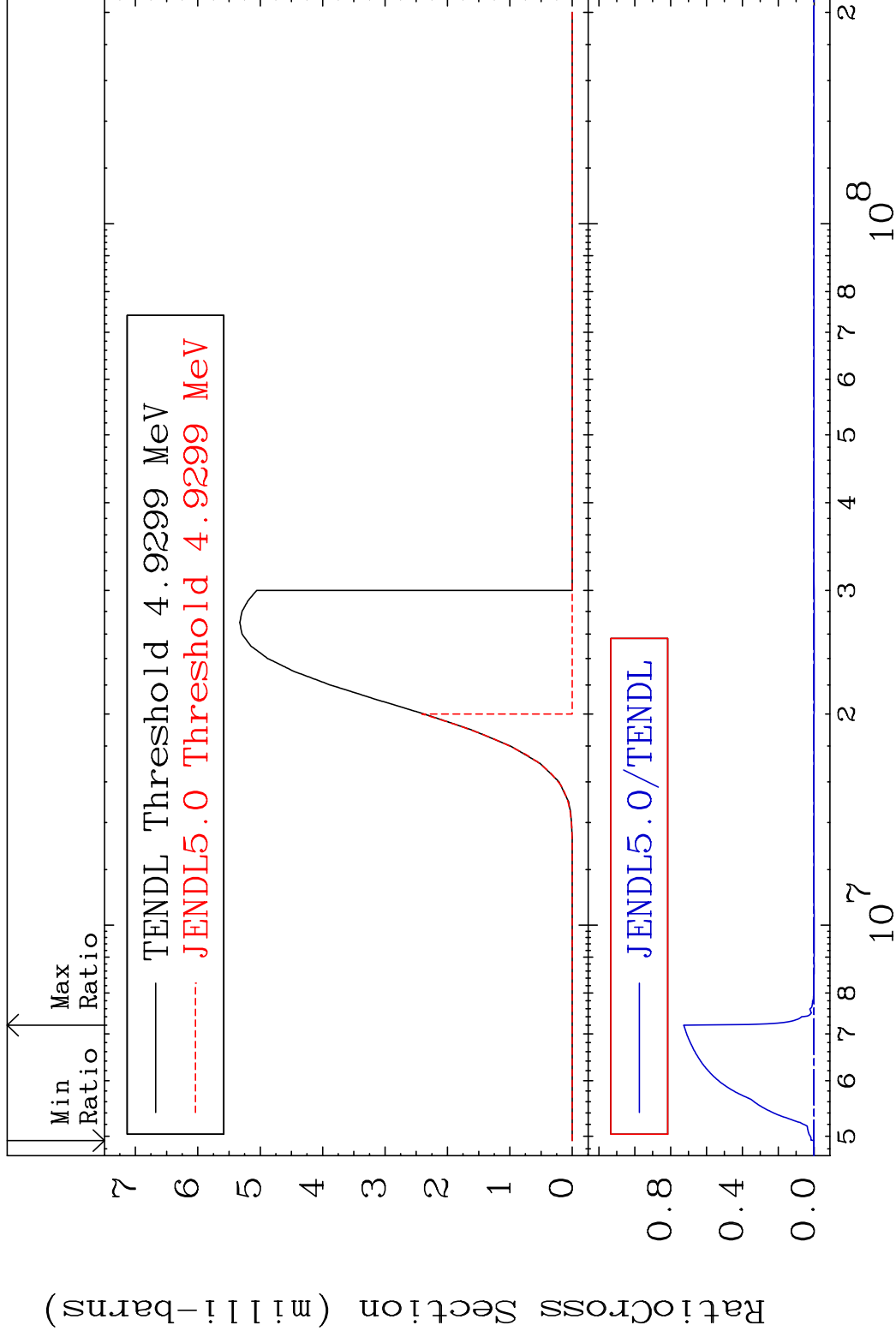
69-Tm-167

MAT 6919

(n, t)

69-Tm-167

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

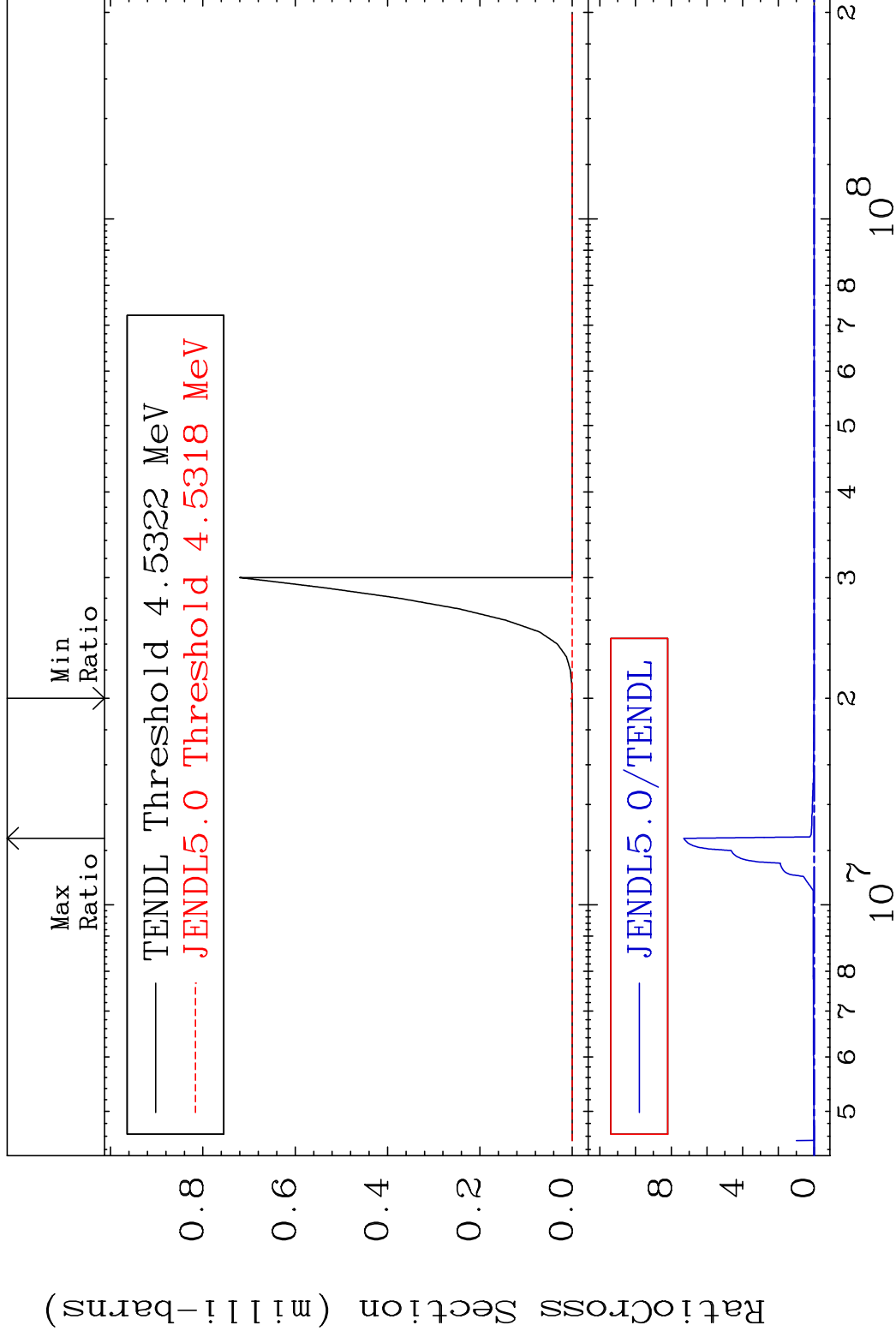
69-Tm-167

MAT 6919

(n, He-3)

69-Tm-167

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

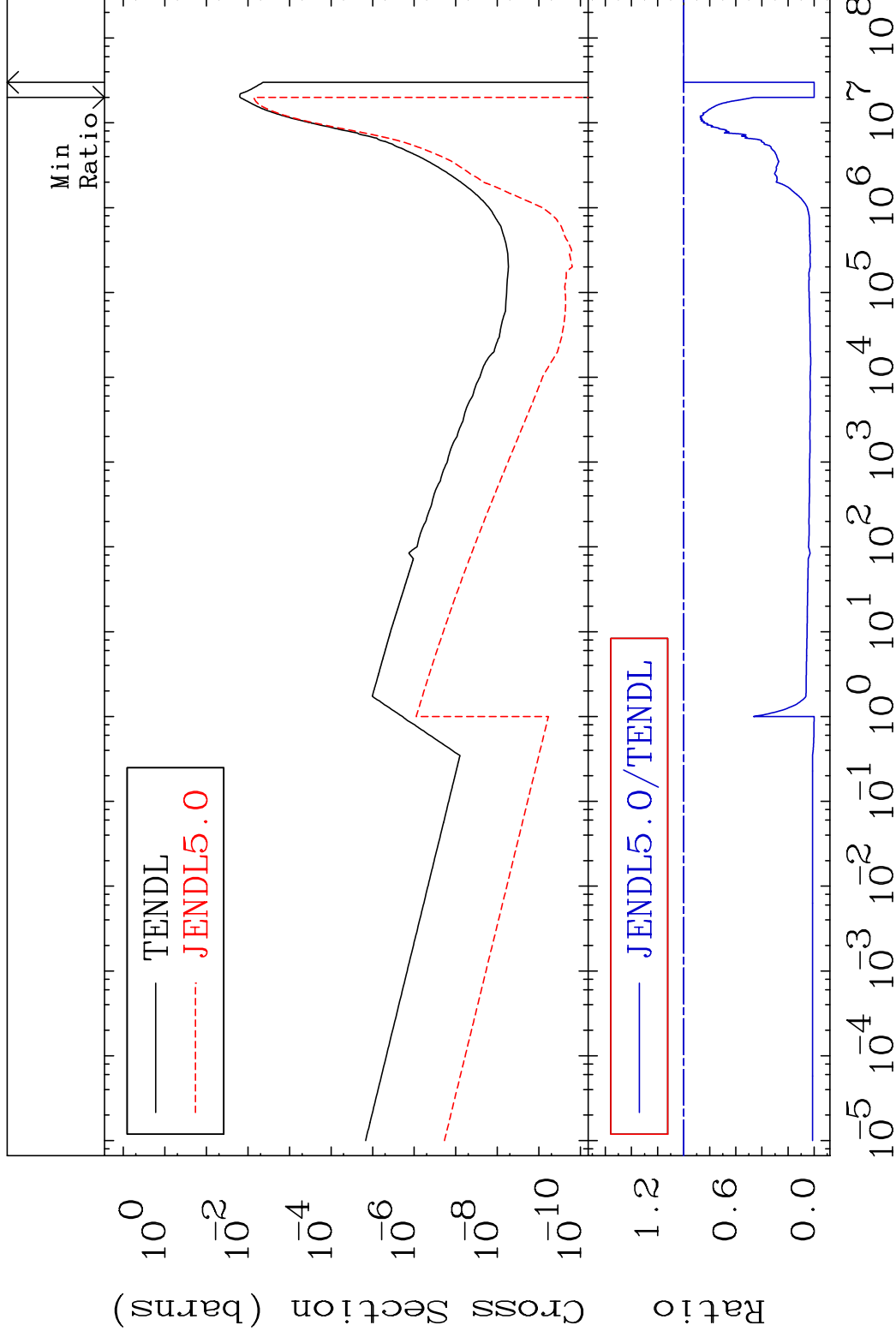
69-Tm-167

MAT 6919

(n,  $\alpha$ )

69-Tm-167

Cross Section -100.0 To 0.000 %



46

Incident Energy (eV)

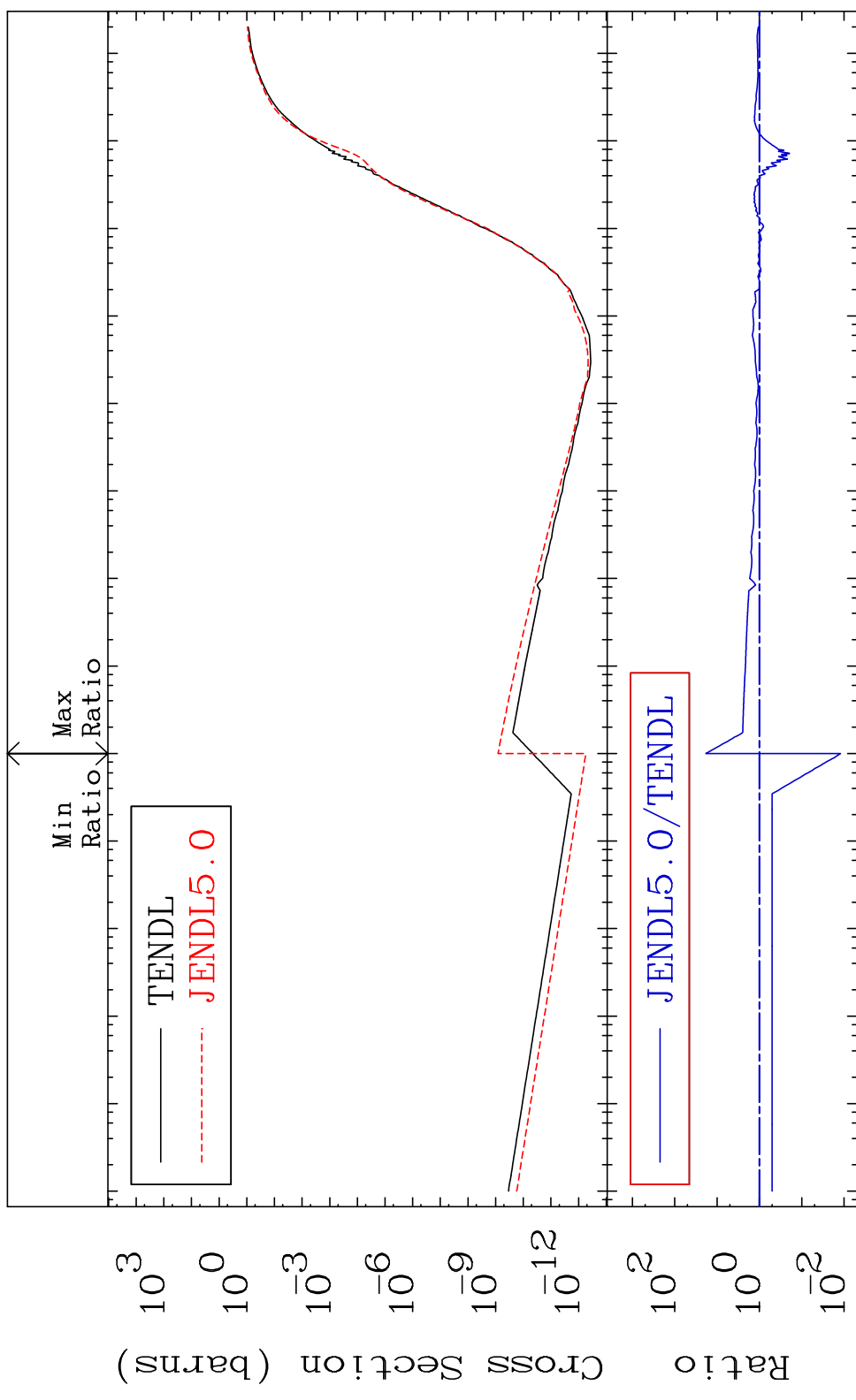
69-Tm-167

MAT 6919

Hydrogen Production

69-Tm-167

Cross Section -98.78 To 1747. %

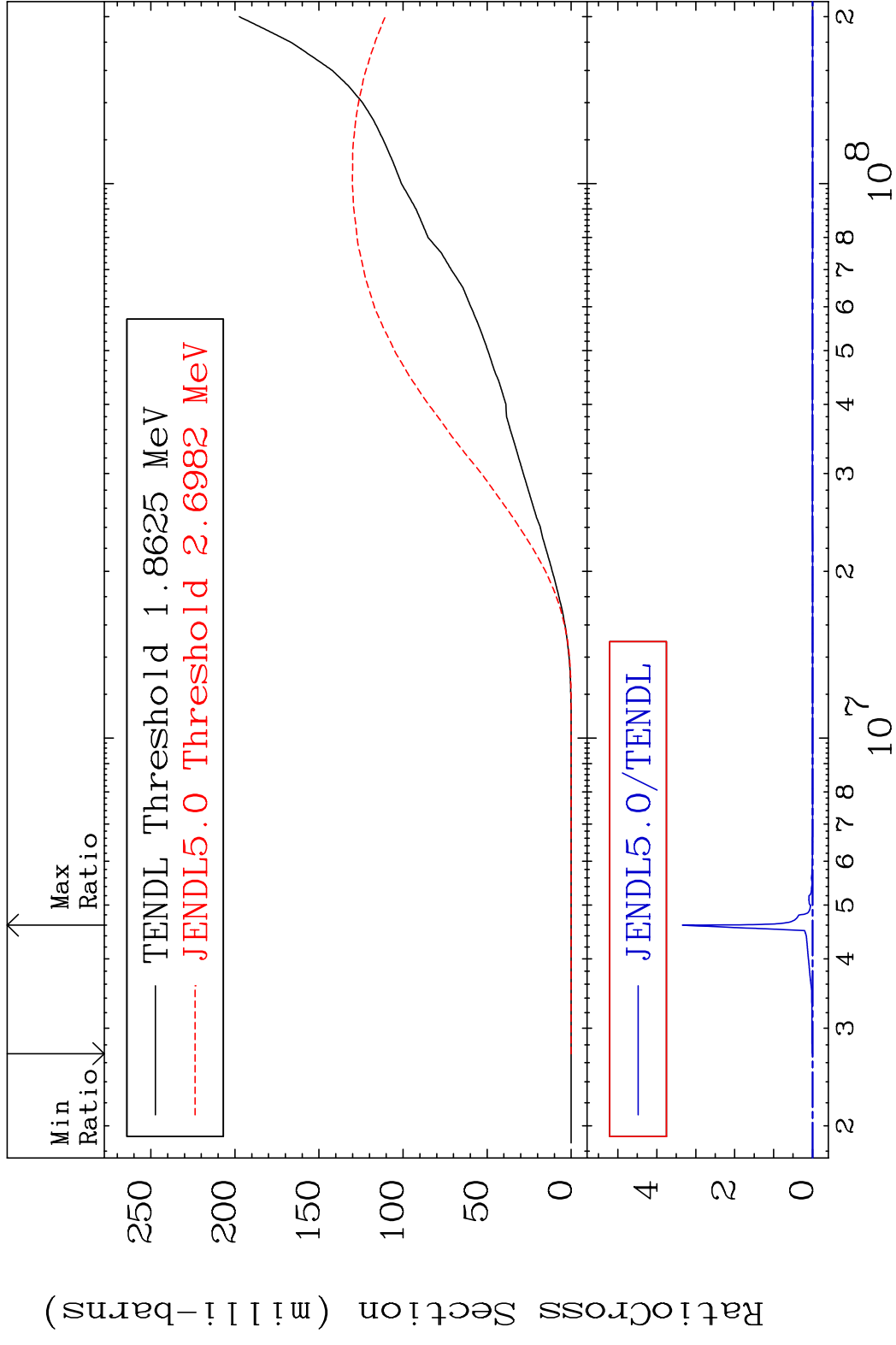


47

Incident Energy (eV)

69-Tm-167

MAT 6919 Deuterium Production 69-Tm-167  
 Cross Section -100.0 To 9999. %



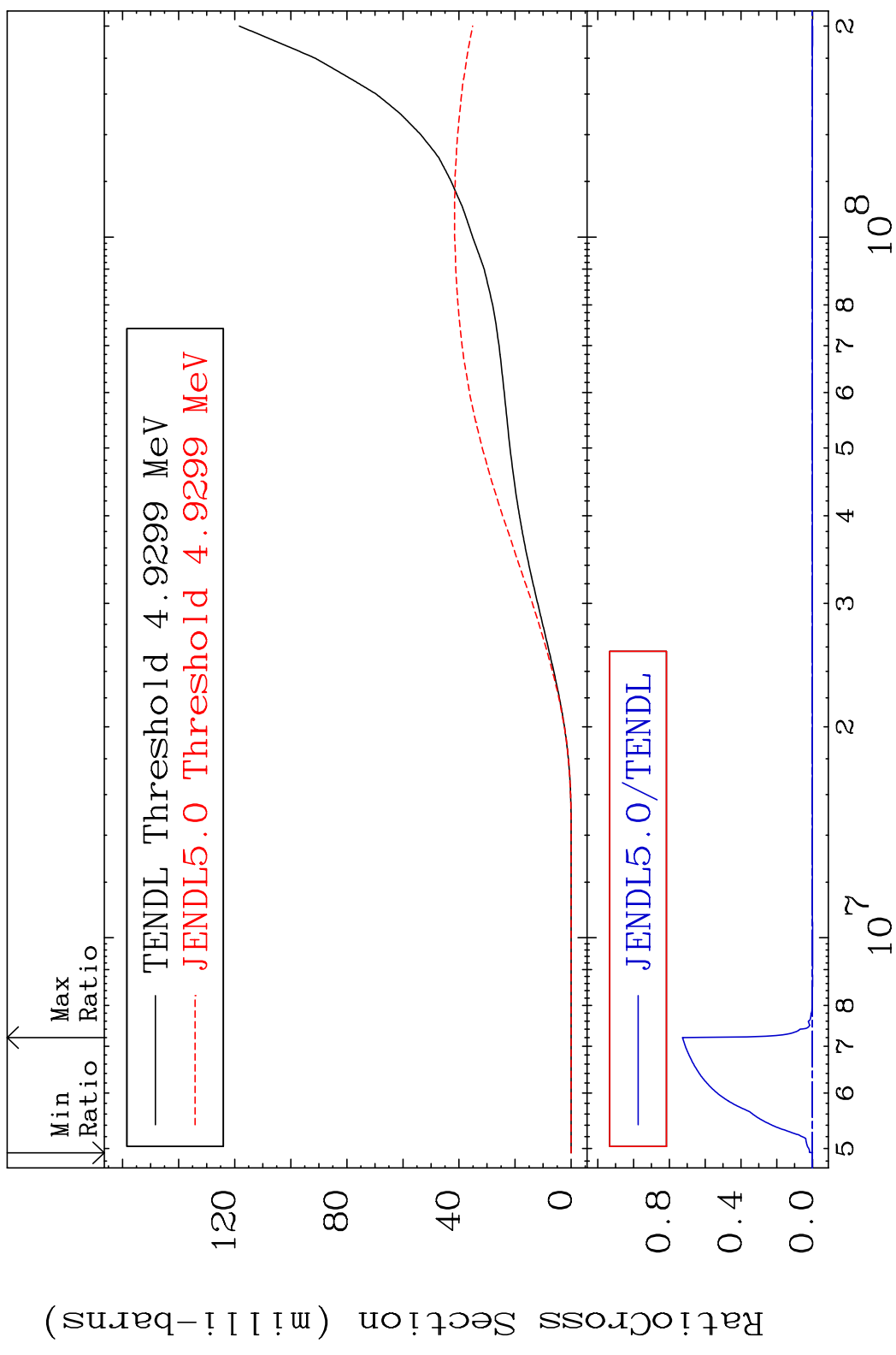
48 Incident Energy (eV) 69-Tm-167

MAT 6919

Tritium Production

69-Tm-167

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

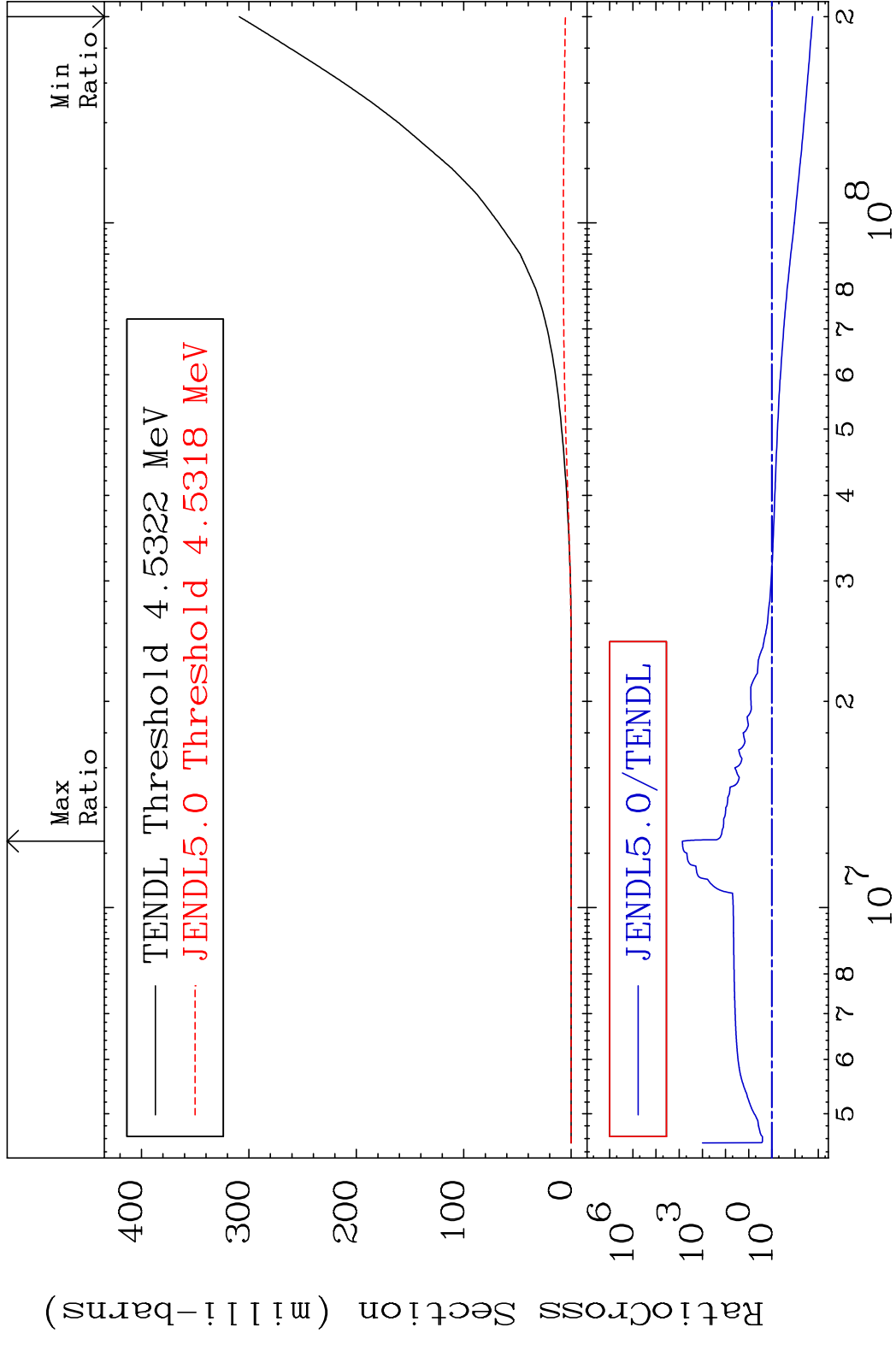
69-Tm-167

MAT 6919

He-3 Production

69-Tm-167

Cross Section -98.24 To 9999. %



50

Incident Energy (eV)

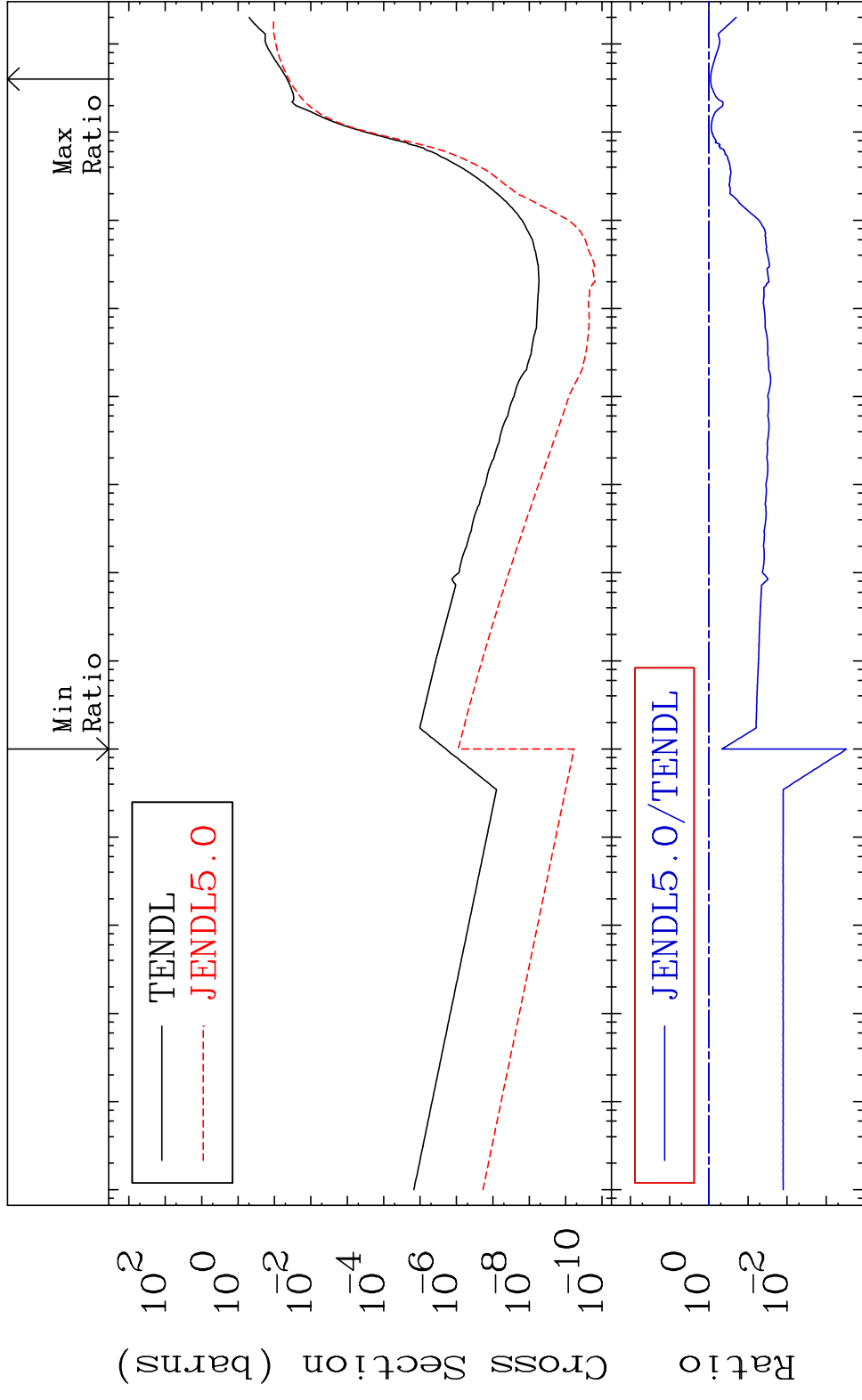
69-Tm-167

MAT 6919

He-4 Production

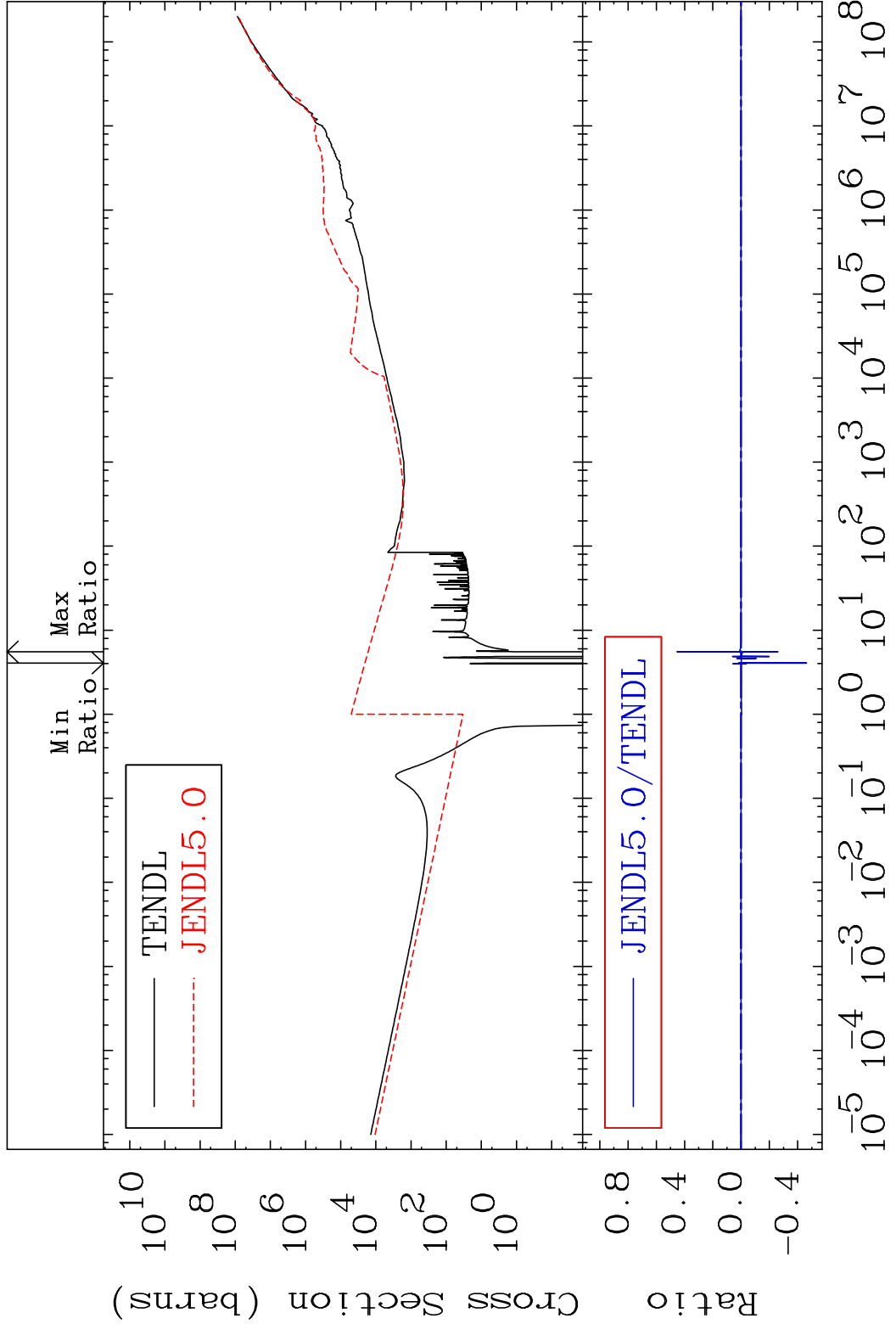
69-Tm-167

Cross Section -99.97 To -10.50%



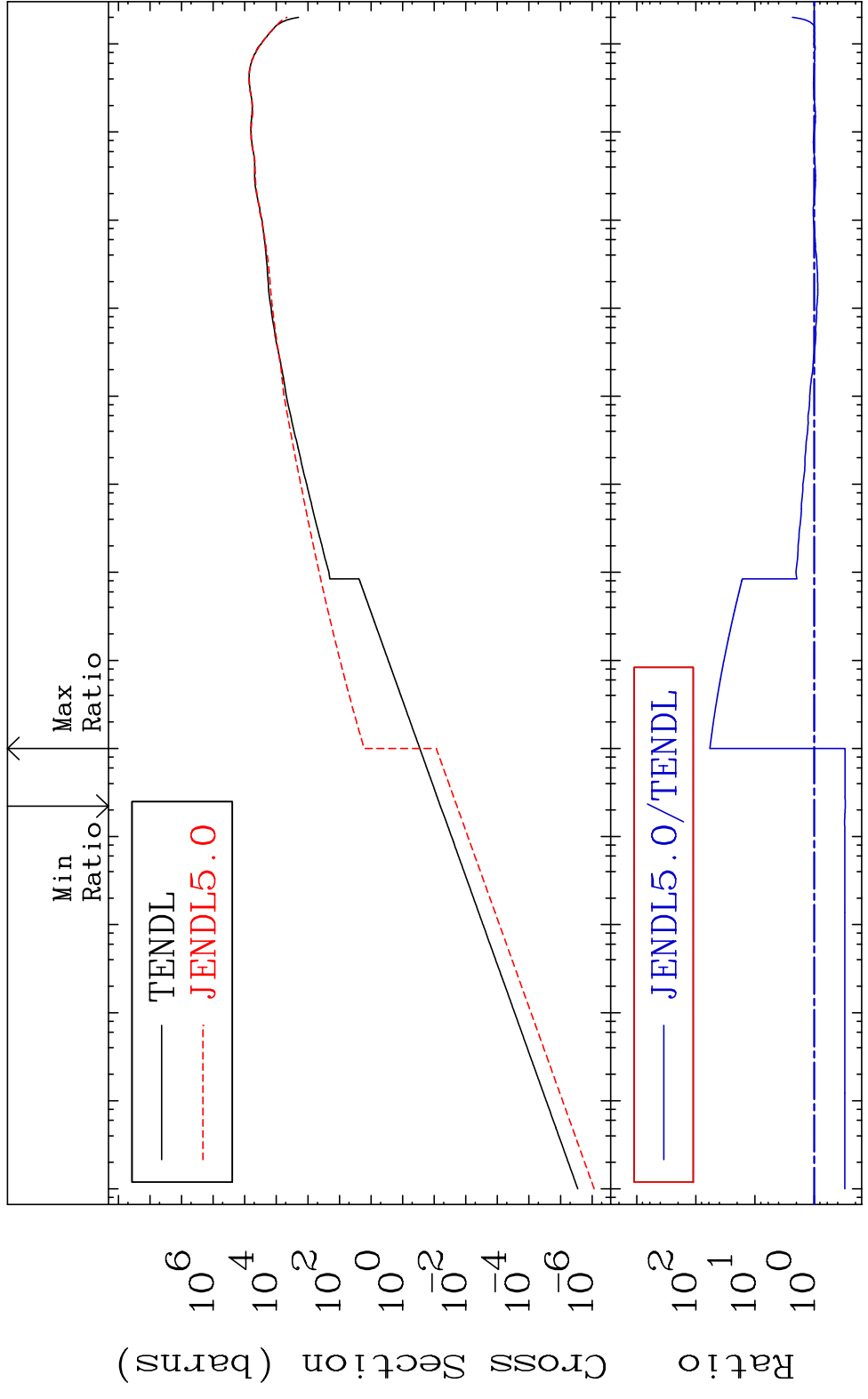
MAT 6919

Kerma total (eV-barns) 69-Tm-167  
Cross Section -9999. To 9999. %

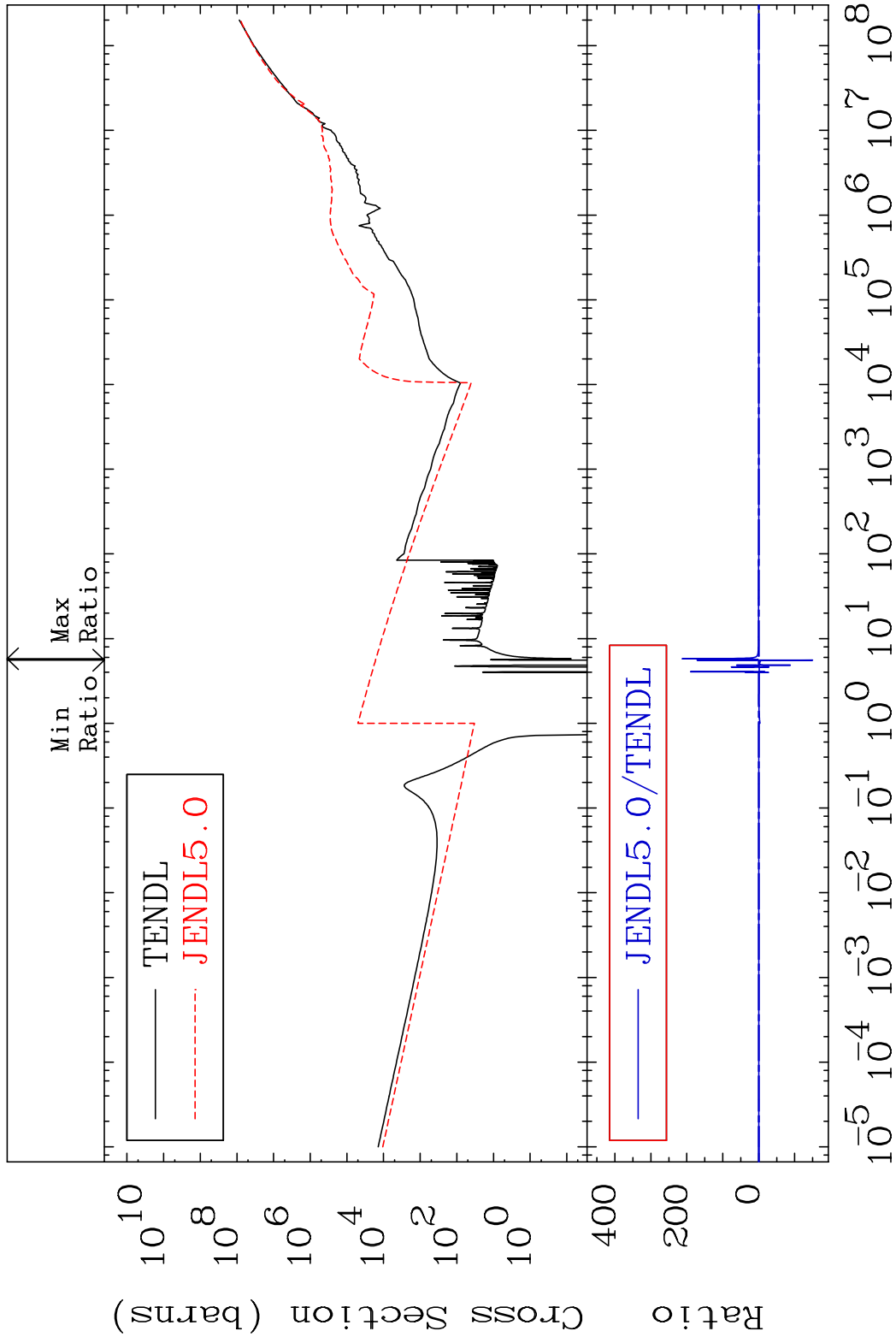


MAT 6919

Kerma elastic Cross Section -70.20 To 5712. %  
69-Tm-167

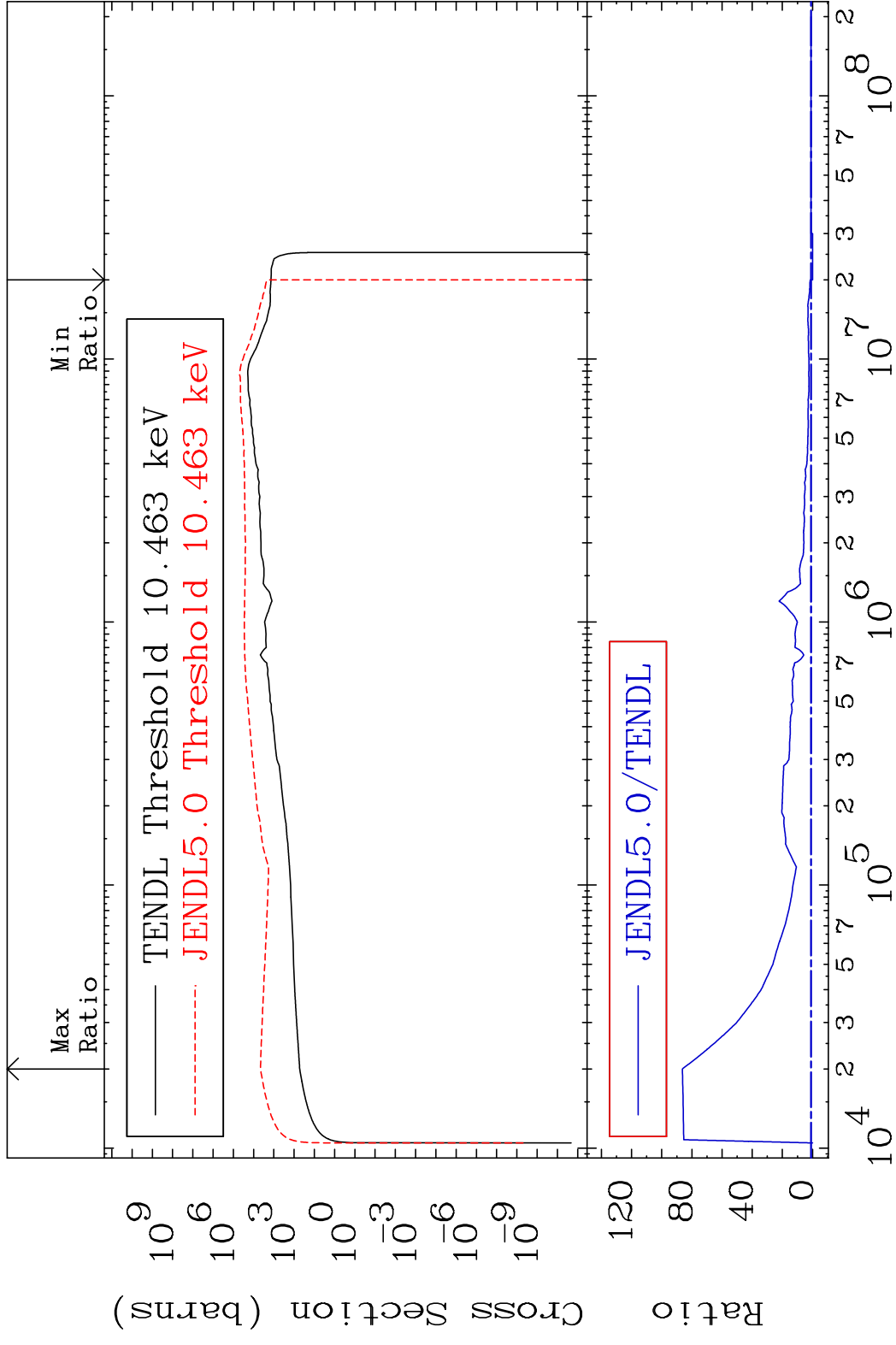


MAT 6919 Kerma non-elastic (all but mt2) 69-Tm-167  
 Cross Section -9999. To 9999. %

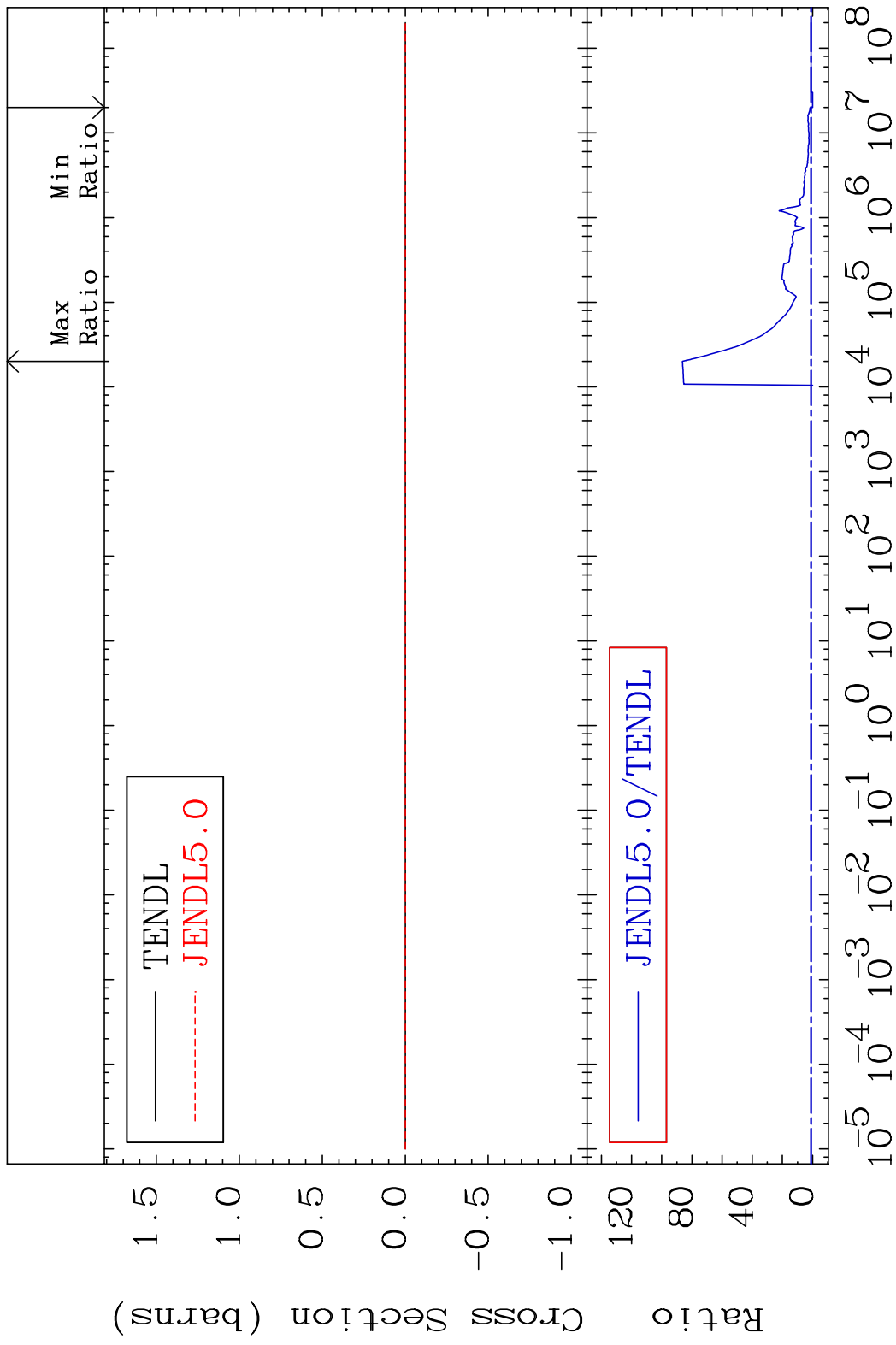


54 Incident Energy (eV) 69-Tm-167

MAT 6919 Kerma inelastic (mt51-91) 69-Tm-167  
 Cross Section -100.0 To 8532. %



MAT 6919 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-167  
 Cross Section -100.0 To 8532. %

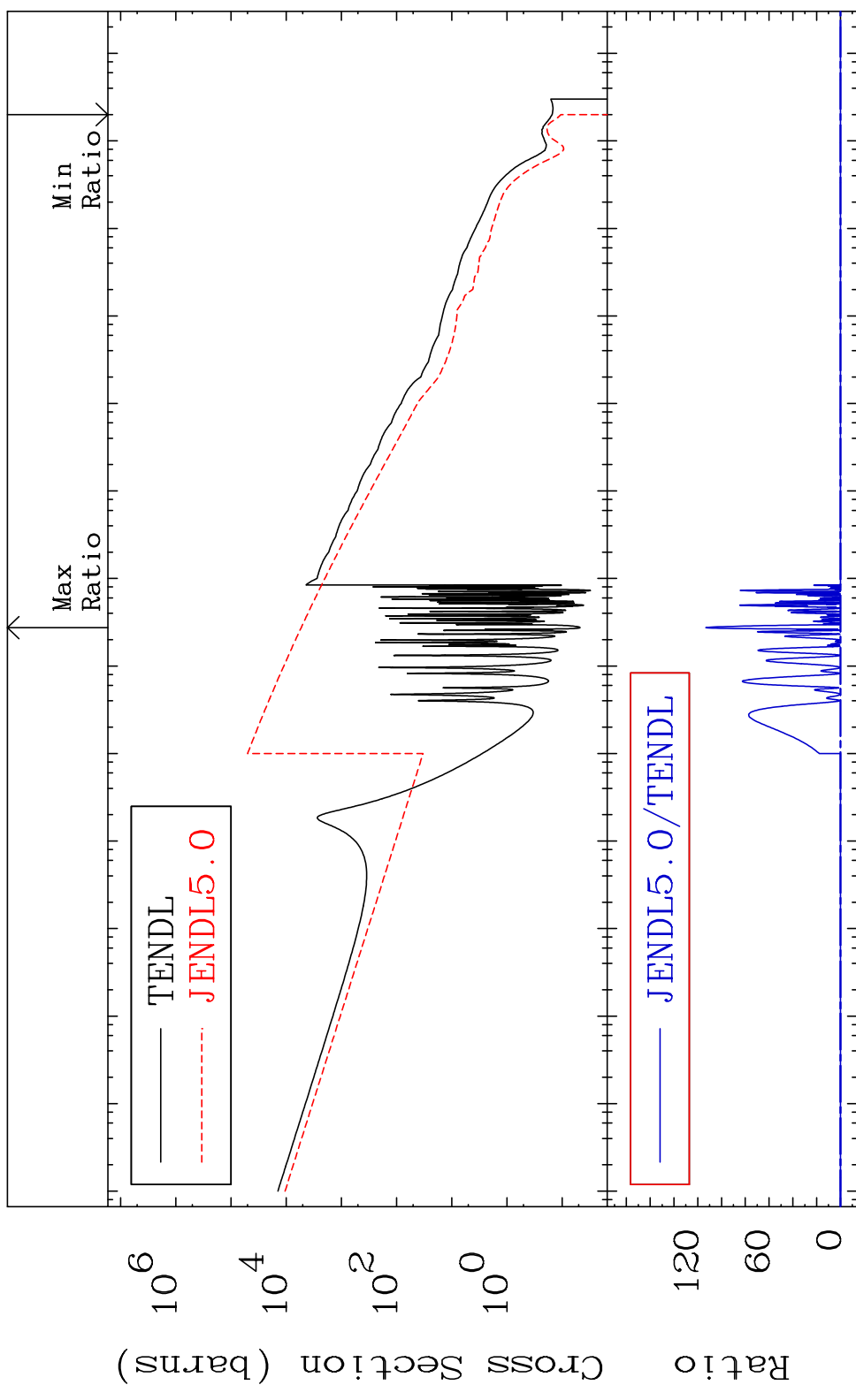


MAT 6919

Kerma capture (mt102)

69-Tm-167

Cross Section -100.0 To 9999. %



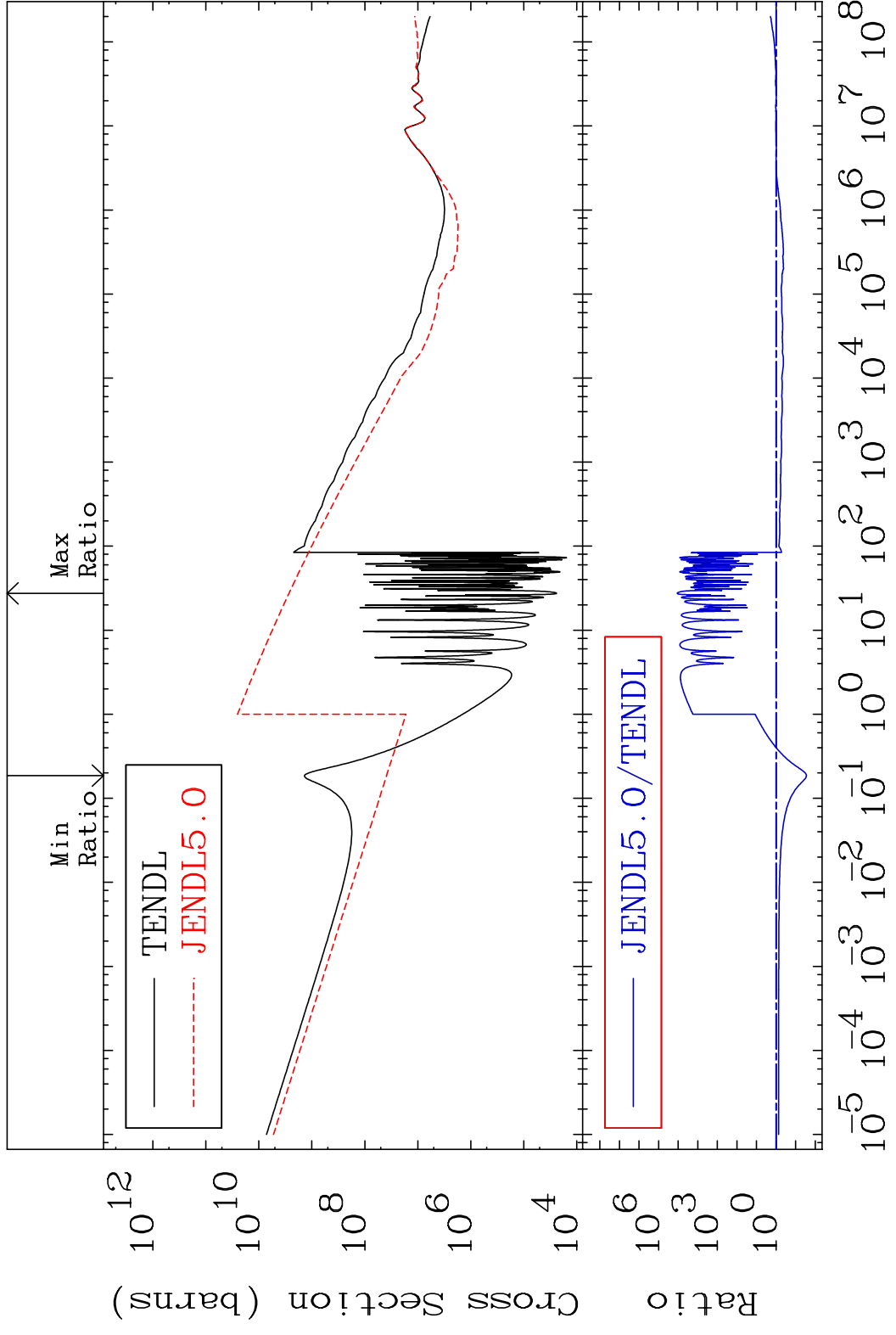
57

Incident Energy (eV)

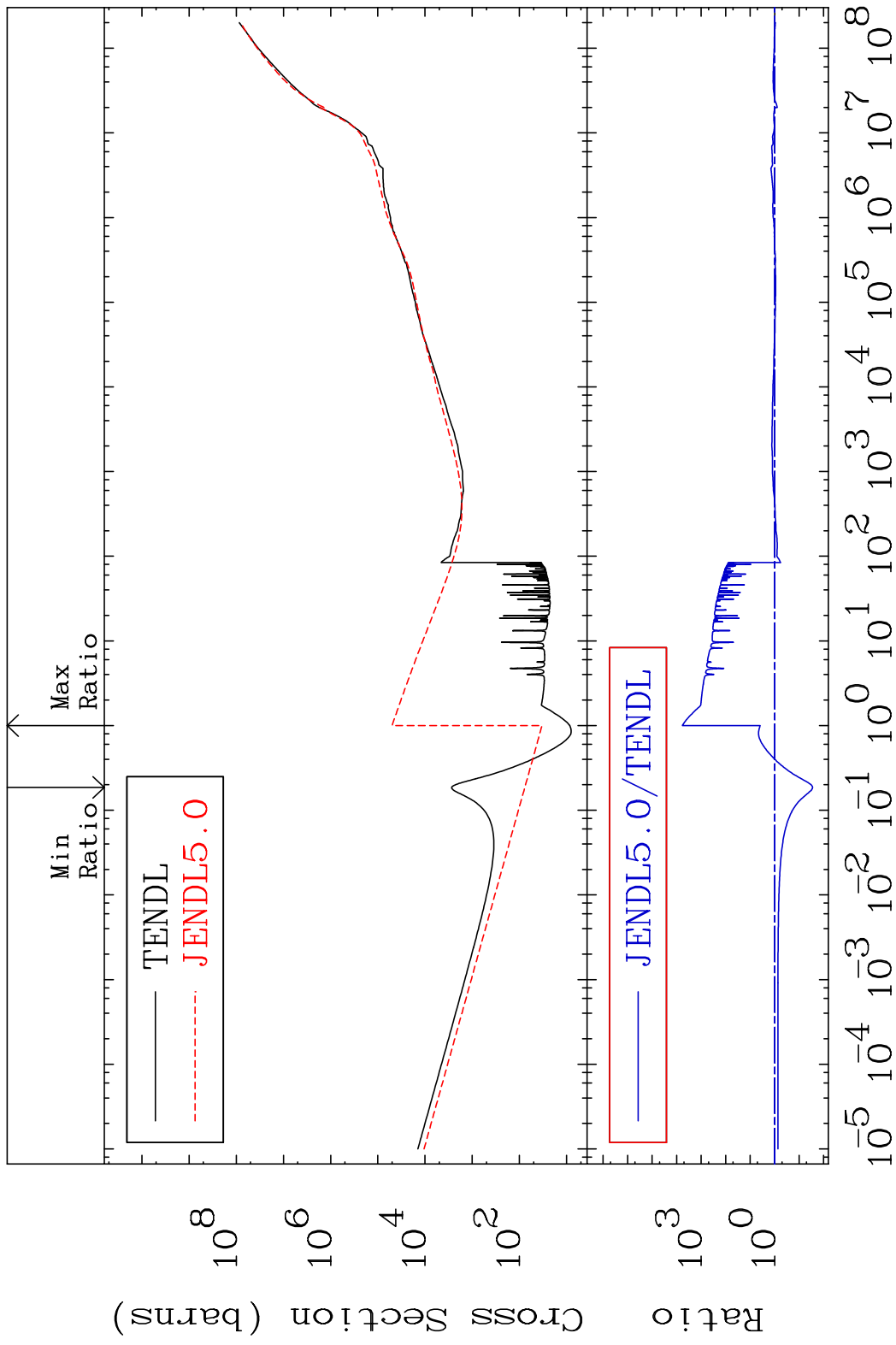
69-Tm-167

MAT 6919

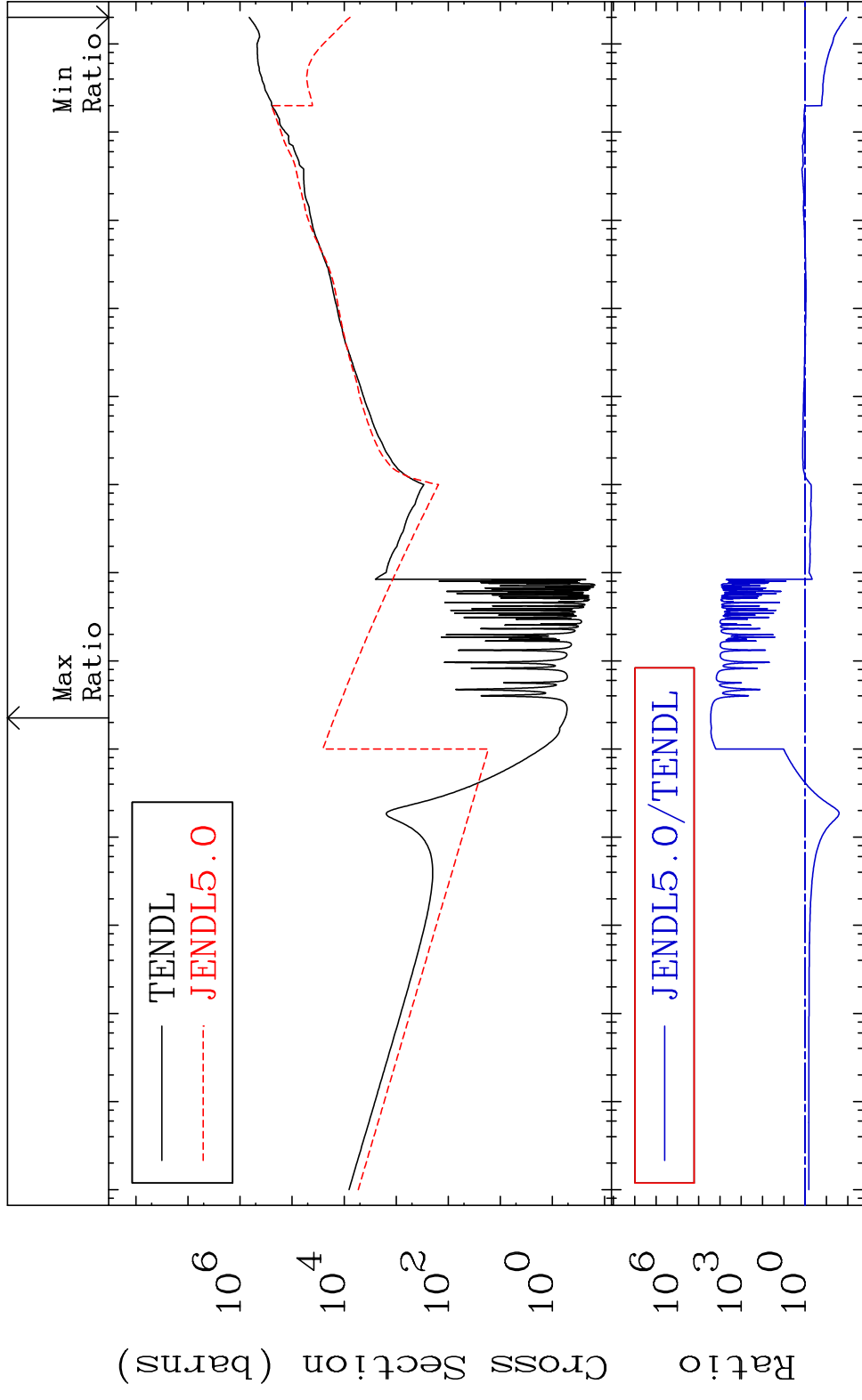
Total photon (eV-barns) 69-Tm-167  
Cross Section -97.18 To 9999. %



MAT 6919 Total kinematic kerma (high limit) 69-Tm-167  
 Cross Section -97.16 To 9999. %



MAT 6919 Dpa total (eV-barns) 69-Tm-167  
 Cross Section -98.84 To 9999. %



Ratio  
 Cross Section (barns)

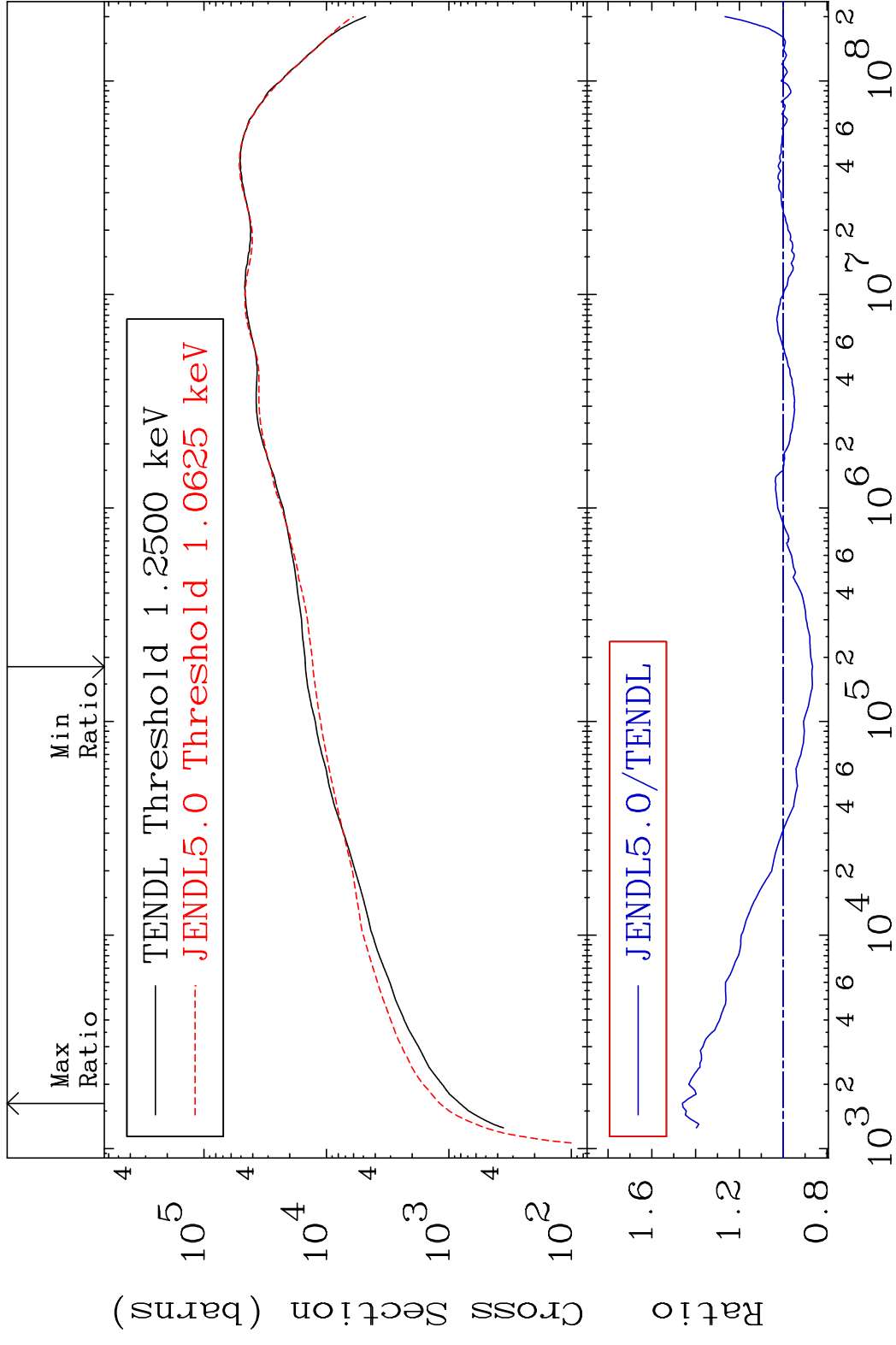
60 Incident Energy (eV) 69-Tm-167

MAT 6919

Dpa elastic (mt2)

69-Tm-167

Cross Section -13.38 To 46.10 %

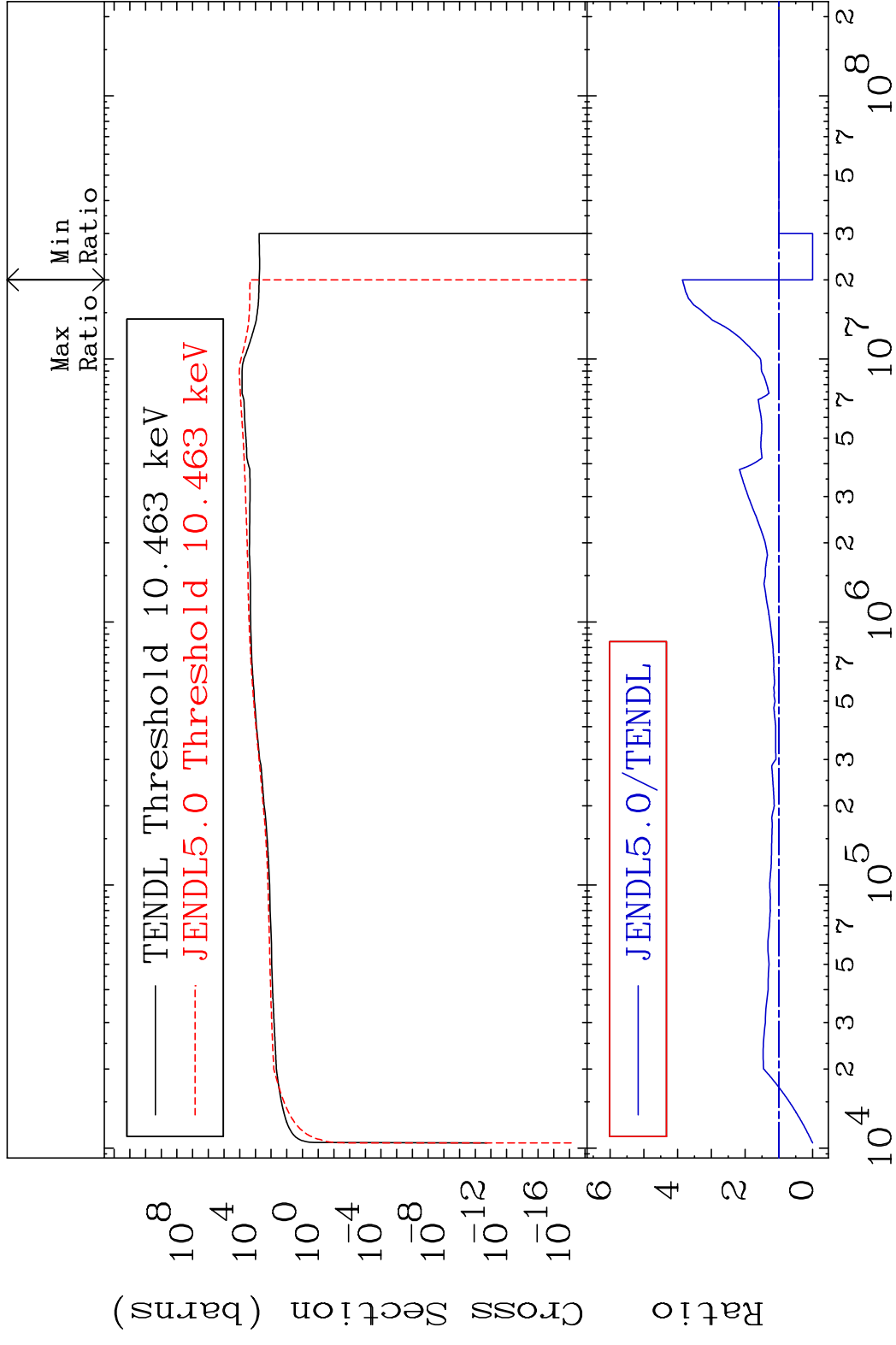


61

Incident Energy (eV)

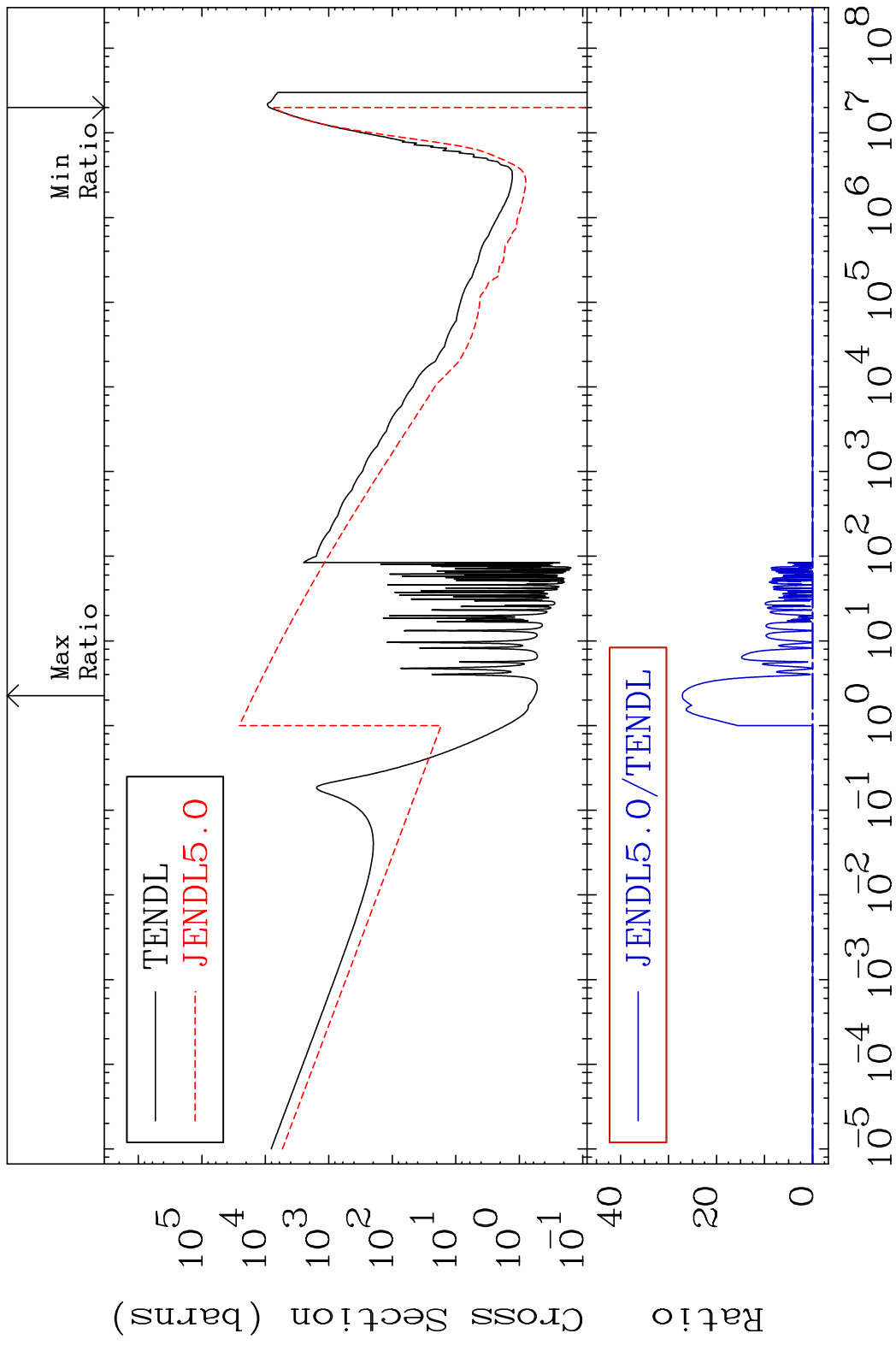
69-Tm-167

MAT 6919 Dpa inelastic (mt51-91) 69-Tm-167  
 Cross Section -100.0 To 285.7 %

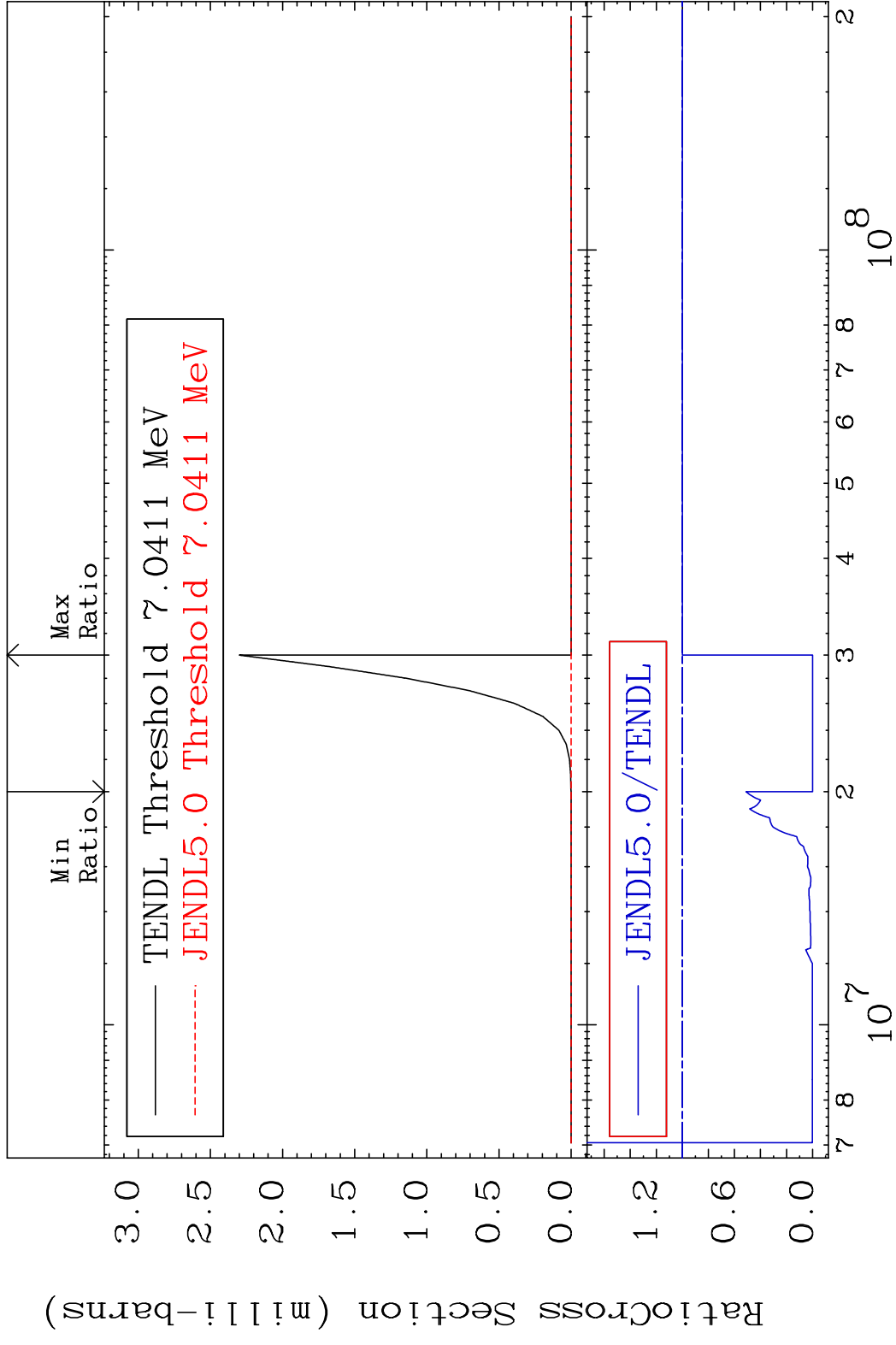


62 Incident Energy (eV) 69-Tm-167

MAT 6919 Dpa disappearance (mt102 -120) 69-Tm-167  
 Cross Section -100.0 To 9999. %



63 Incident Energy (eV) 69-Tm-167



MAT 6919 (n,2n)  $\alpha$ :67-Ho-162m3 69-Tm-167  
 Radionuclide Production Cross Section 180.0 mb 0.000 %

