

Program Complot  
(Version 2021-1)

by

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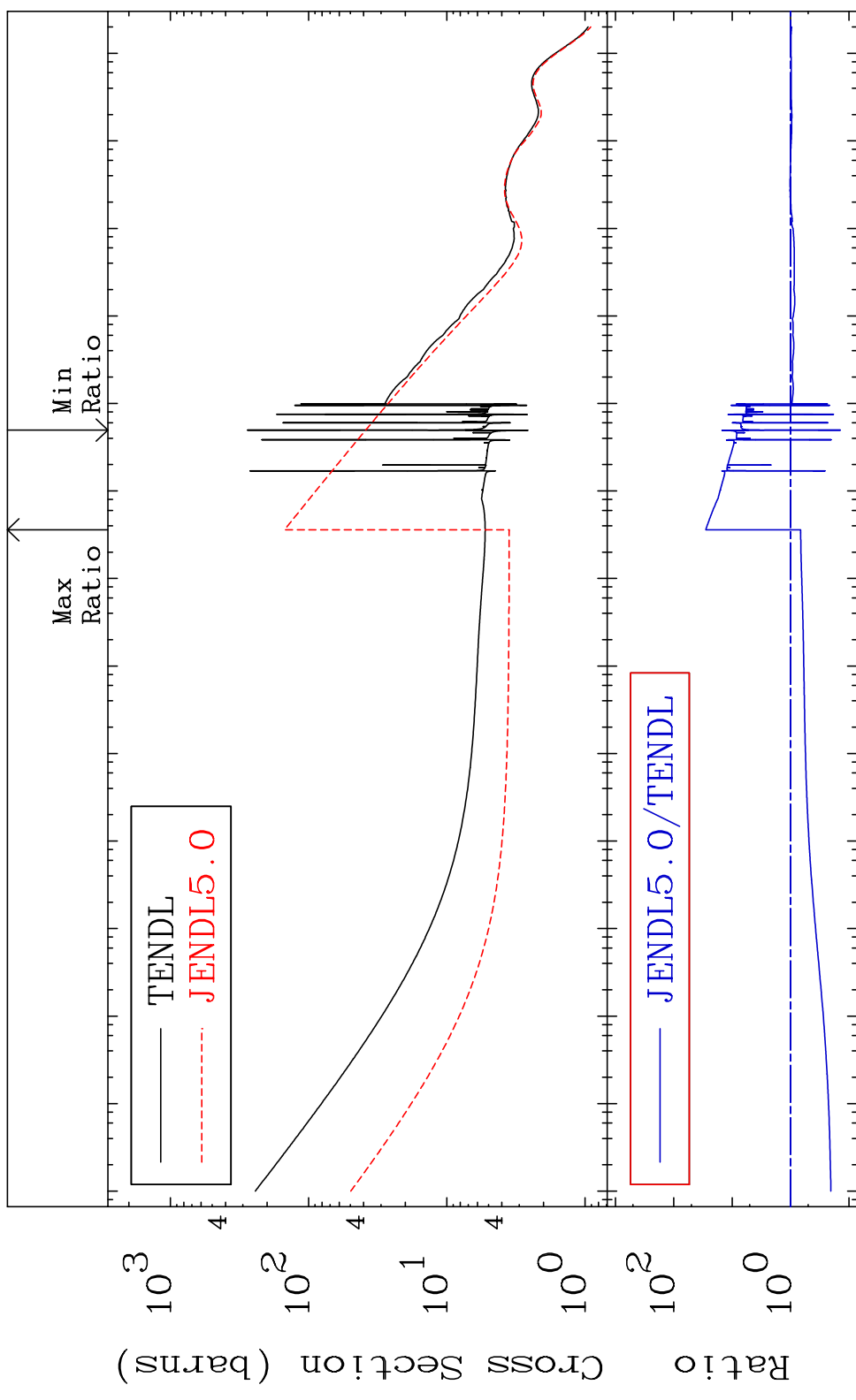
Press Mouse Button to Start

MAT 2322

Total

23-V -49

Cross Section -86.03 To 2729. %



10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</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)

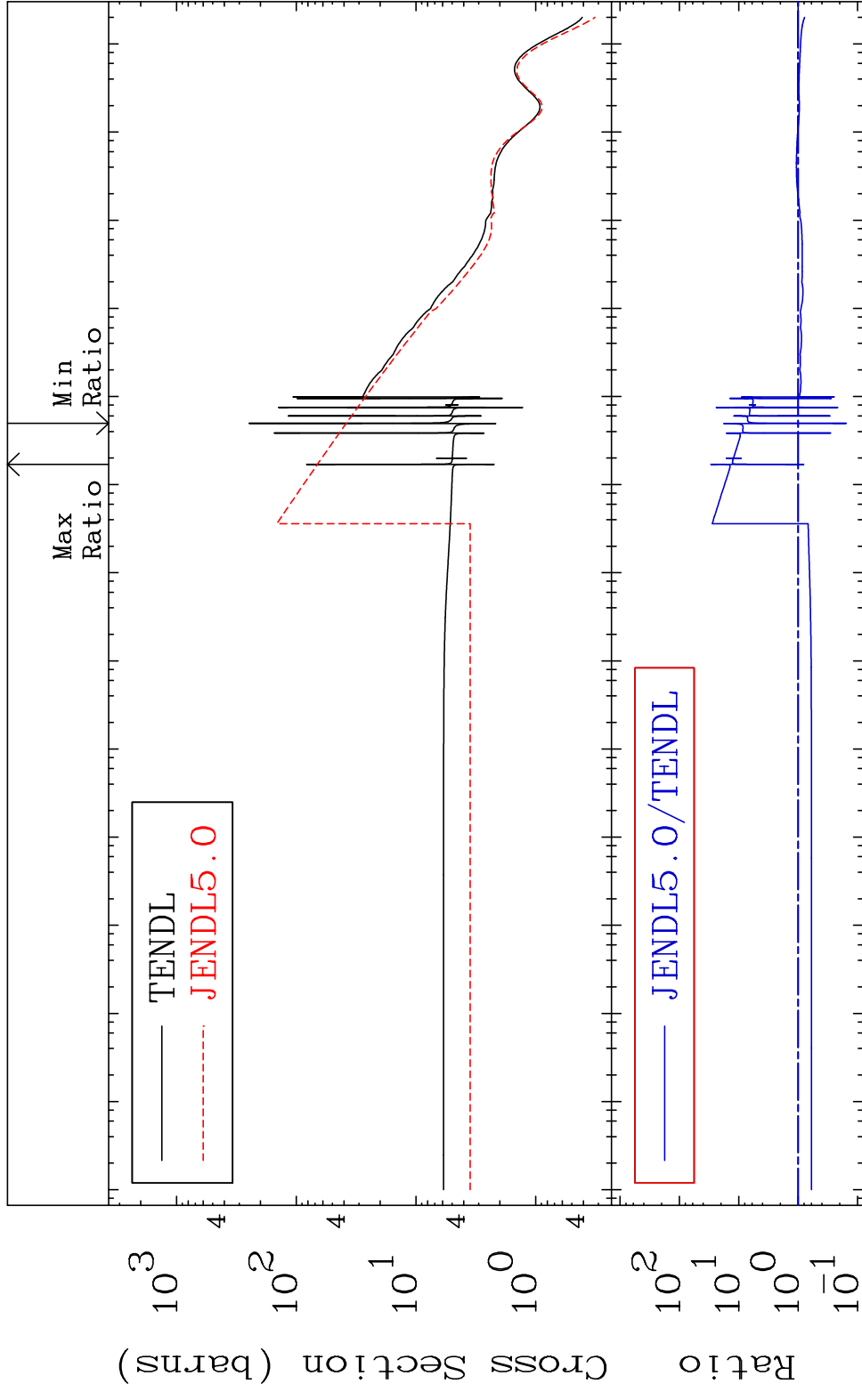
23-V -49

MAT 2322

Elastic

23-V -49

Cross Section -84.51 To 2877. %

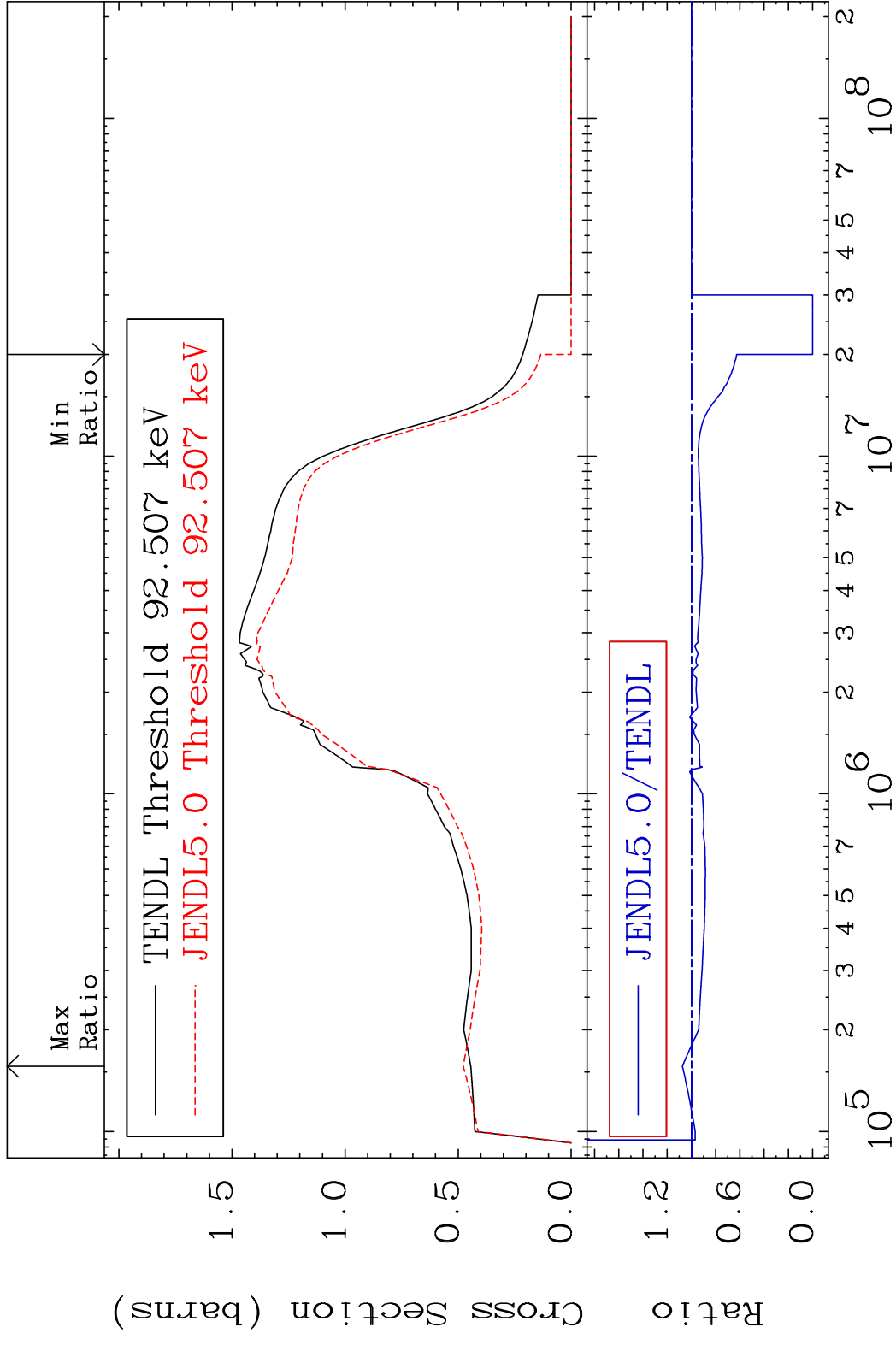


2

Incident Energy (eV)

23-V -49

MAT 2322 Inelastic 23-V -49  
 Cross Section -100.0 To 7.487 %



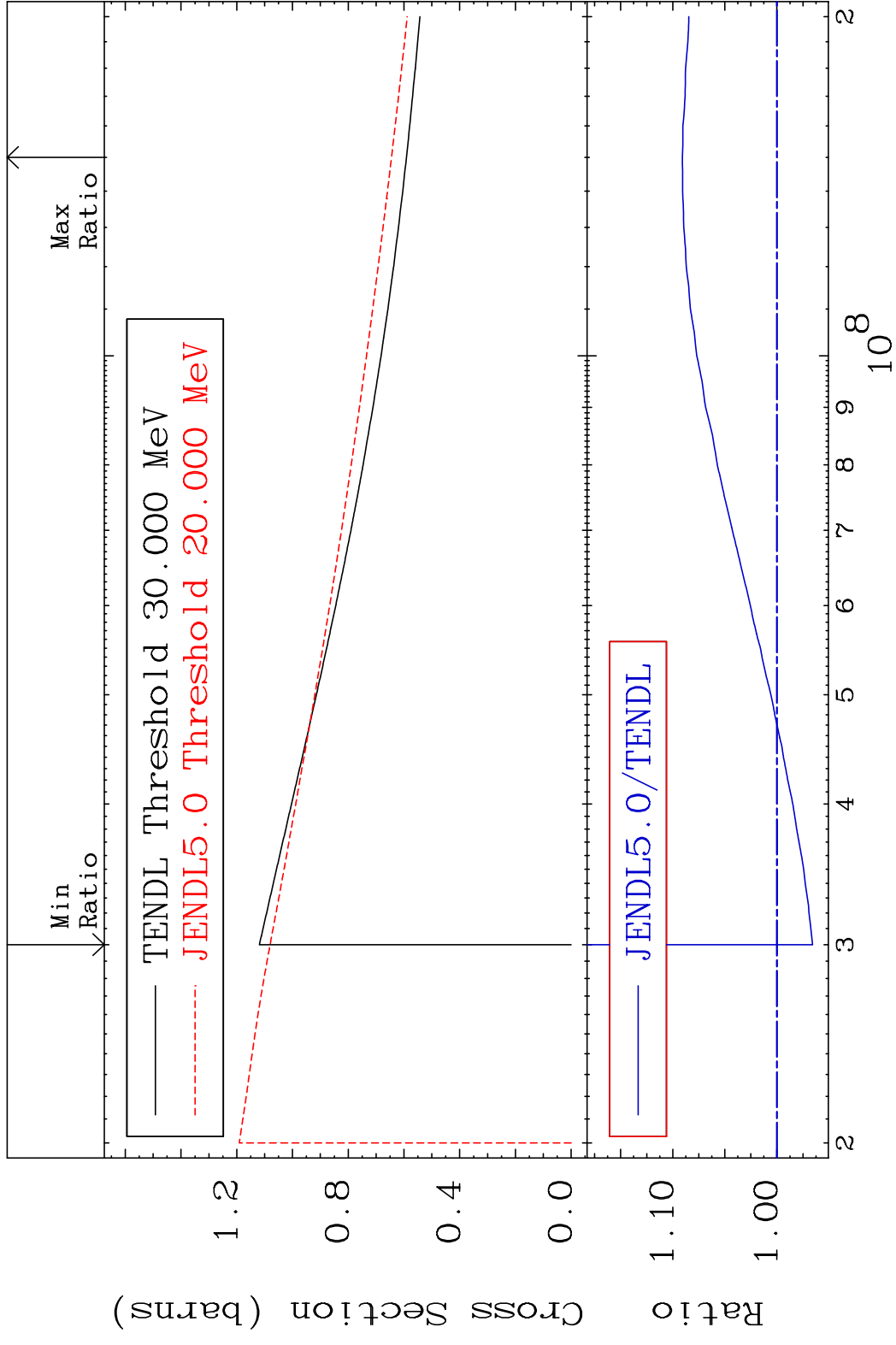
3 Incident Energy (eV) 23-V -49

MAT 2322

(n, remainder)

23-V -49

Cross Section -3.421 To 9.078 %

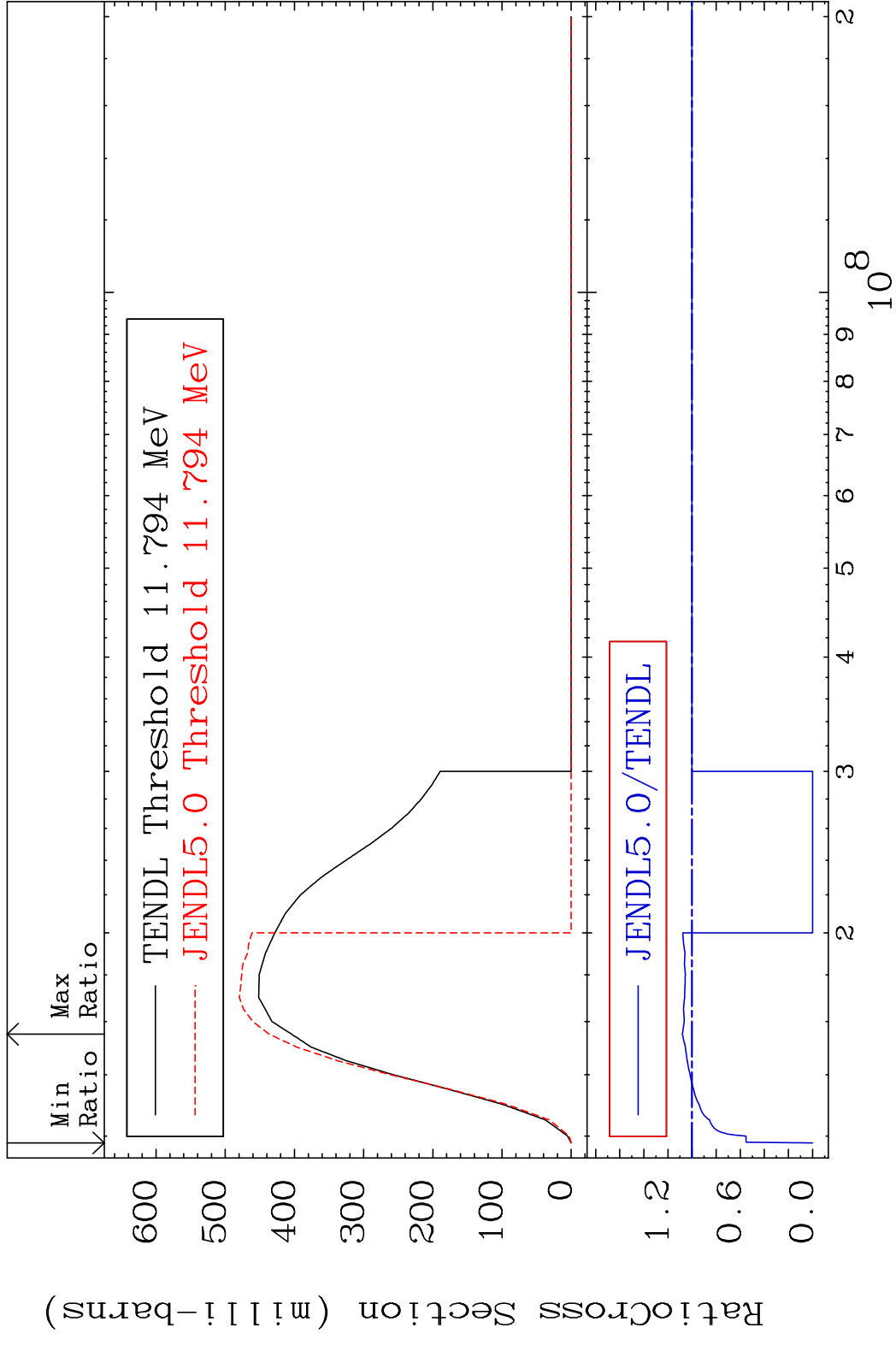


4

Incident Energy (eV)

23-V -49

MAT 2322 (n,2n) 23-V -49  
 Cross Section -100.0 To 8.034 %

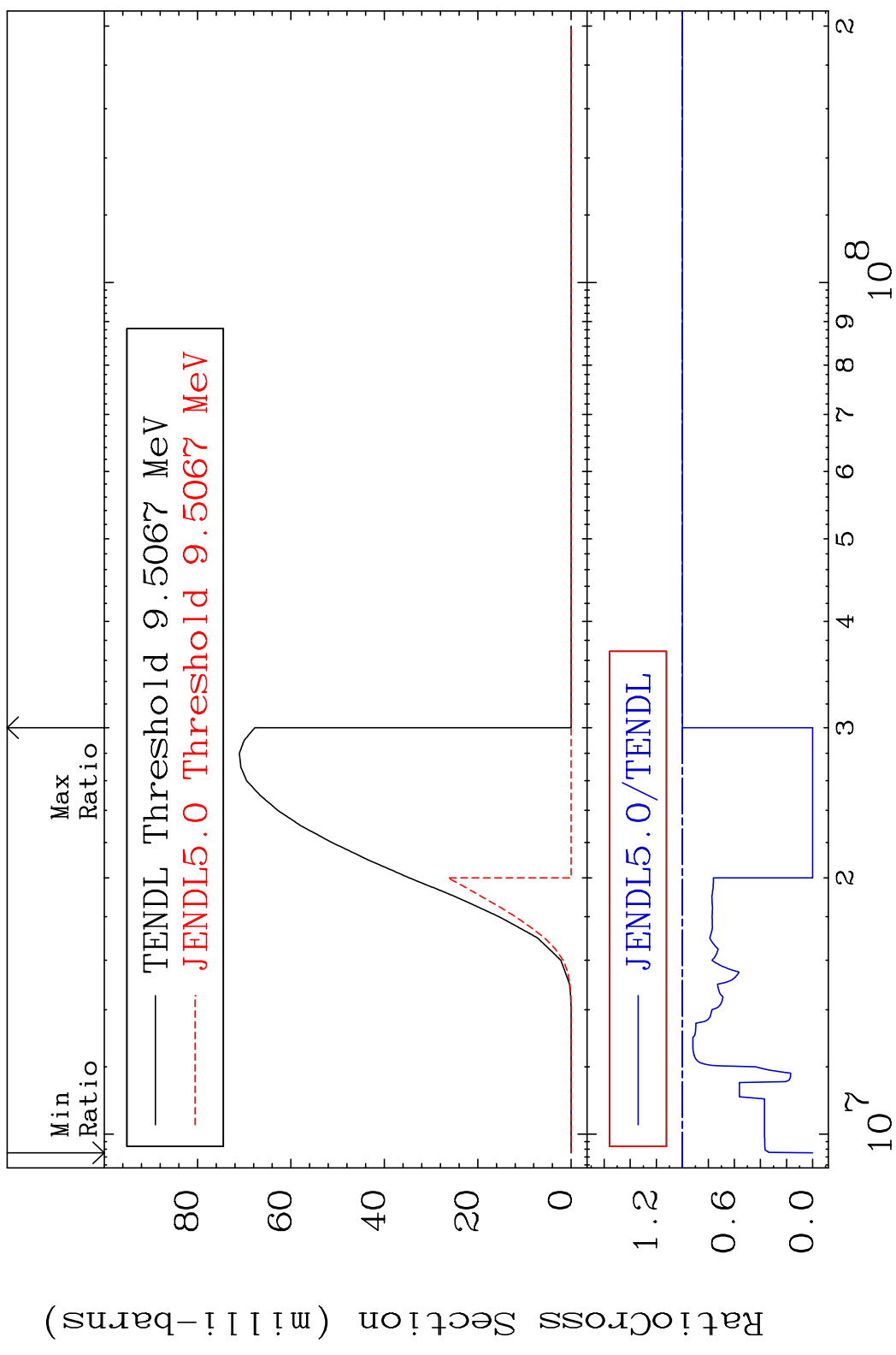


MAT 2322

(n, n')  $\alpha$

23-V -49

Cross Section -100.0 To 0.000 %

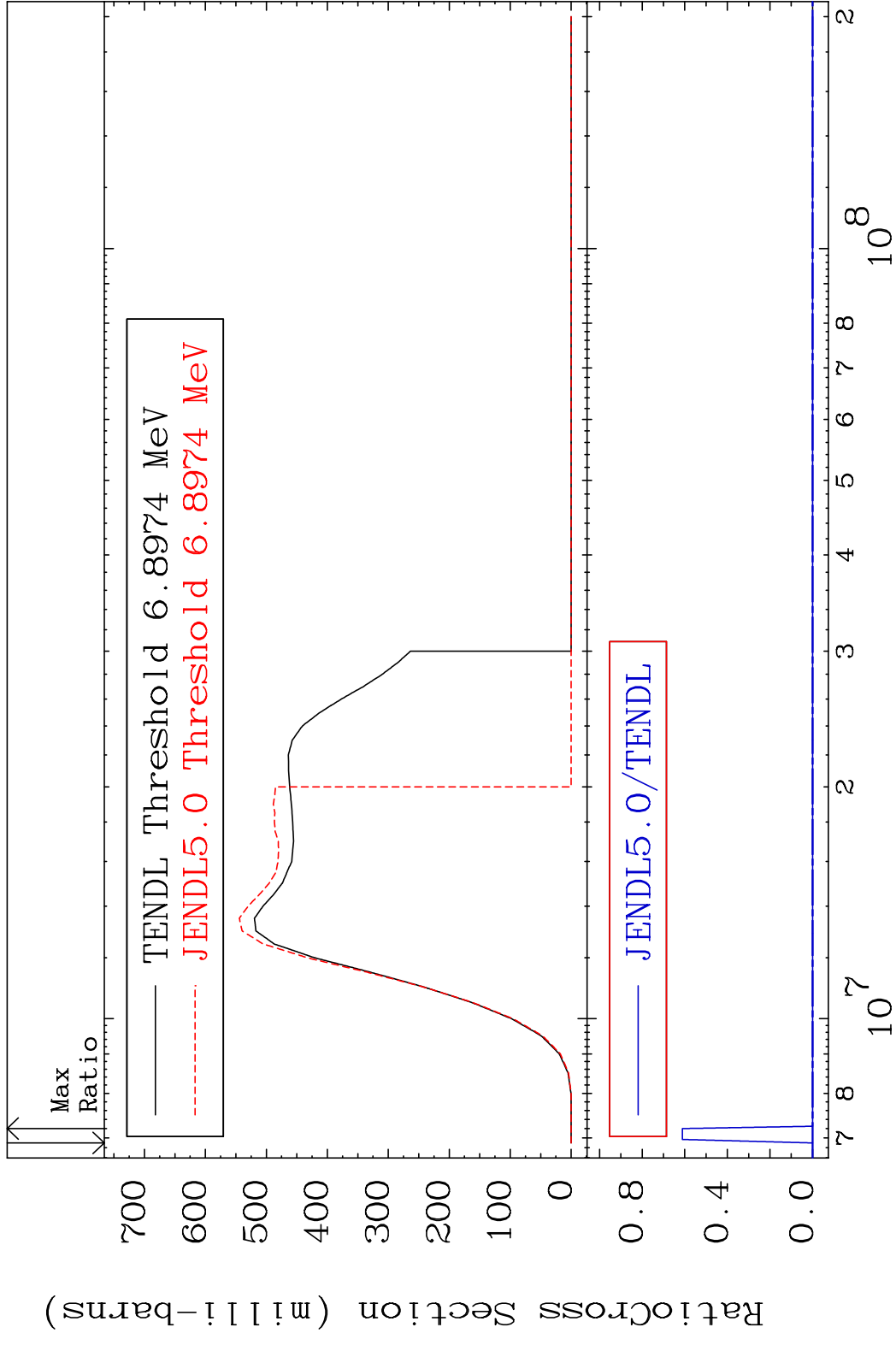


6

Incident Energy (eV)

23-V -49

MAT 2322 (n, n') p 23-V -49  
 Cross Section -100.0 To 9999. %



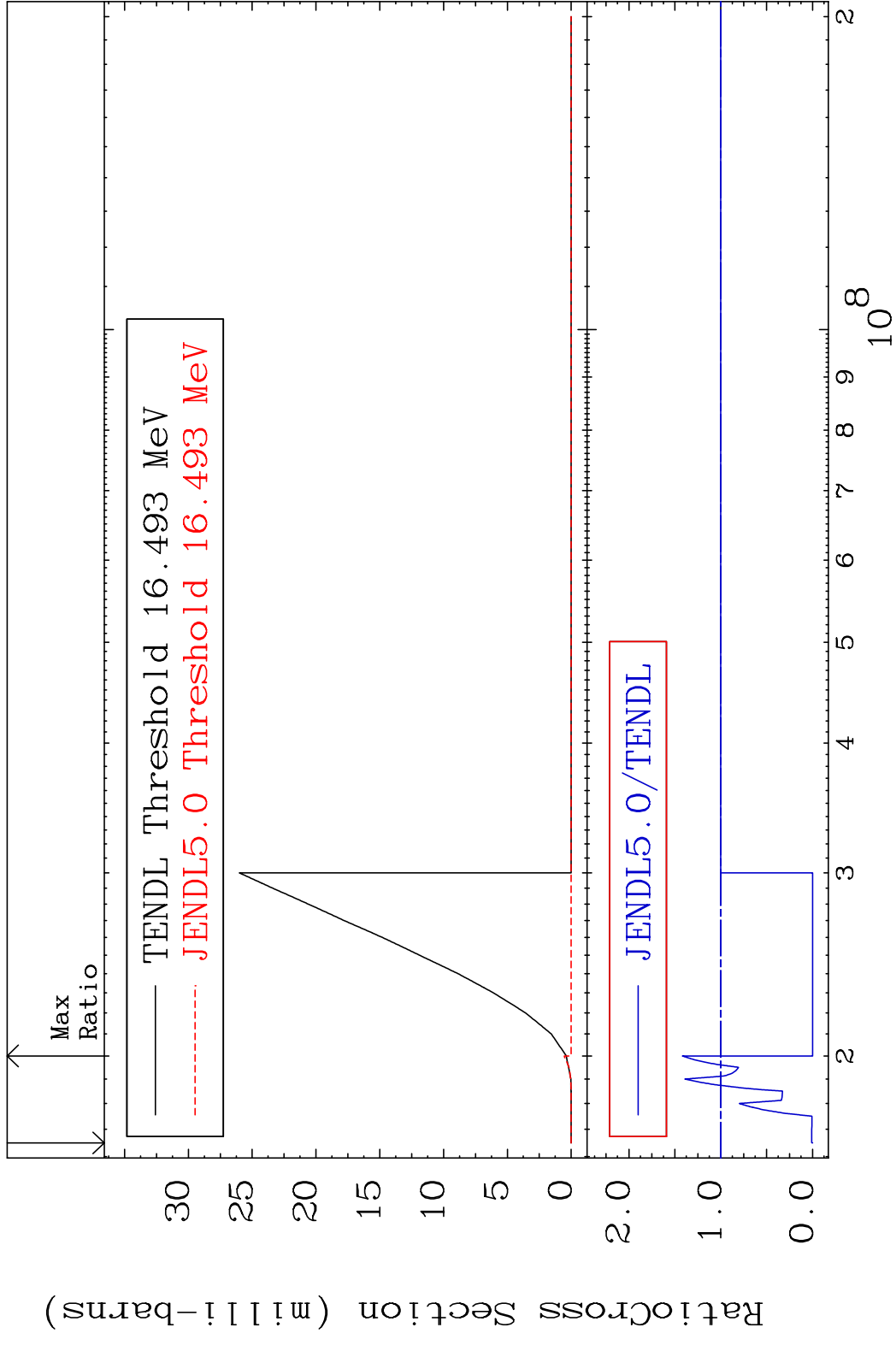


MAT 2322

(n, n') d

23-V -49

Cross Section -100.0 To 41.82 %



8

Incident Energy (eV)

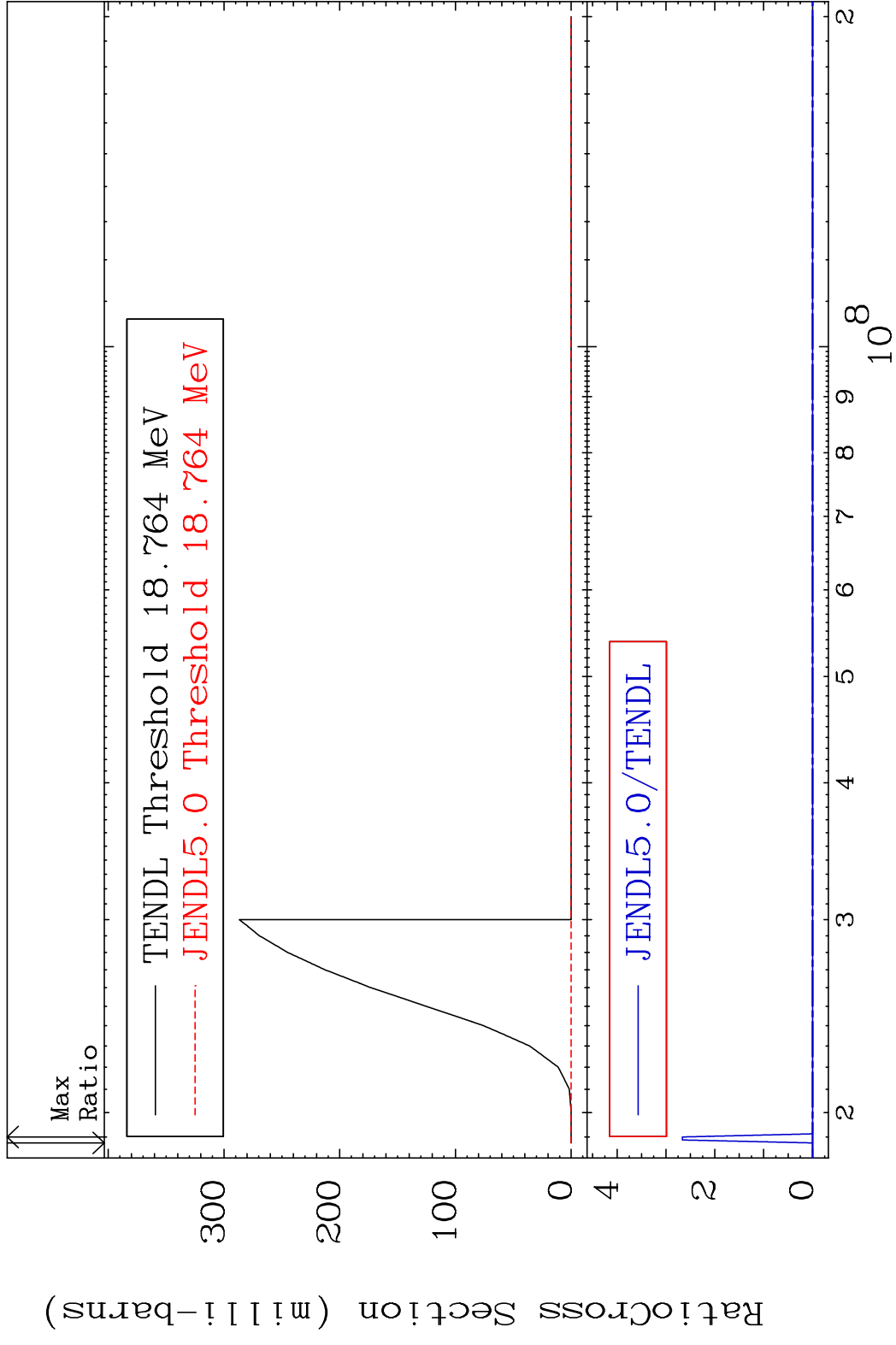
23-V -49

MAT 2322

(n,2n) p

23-V -49

Cross Section -100.0 To 9999. %

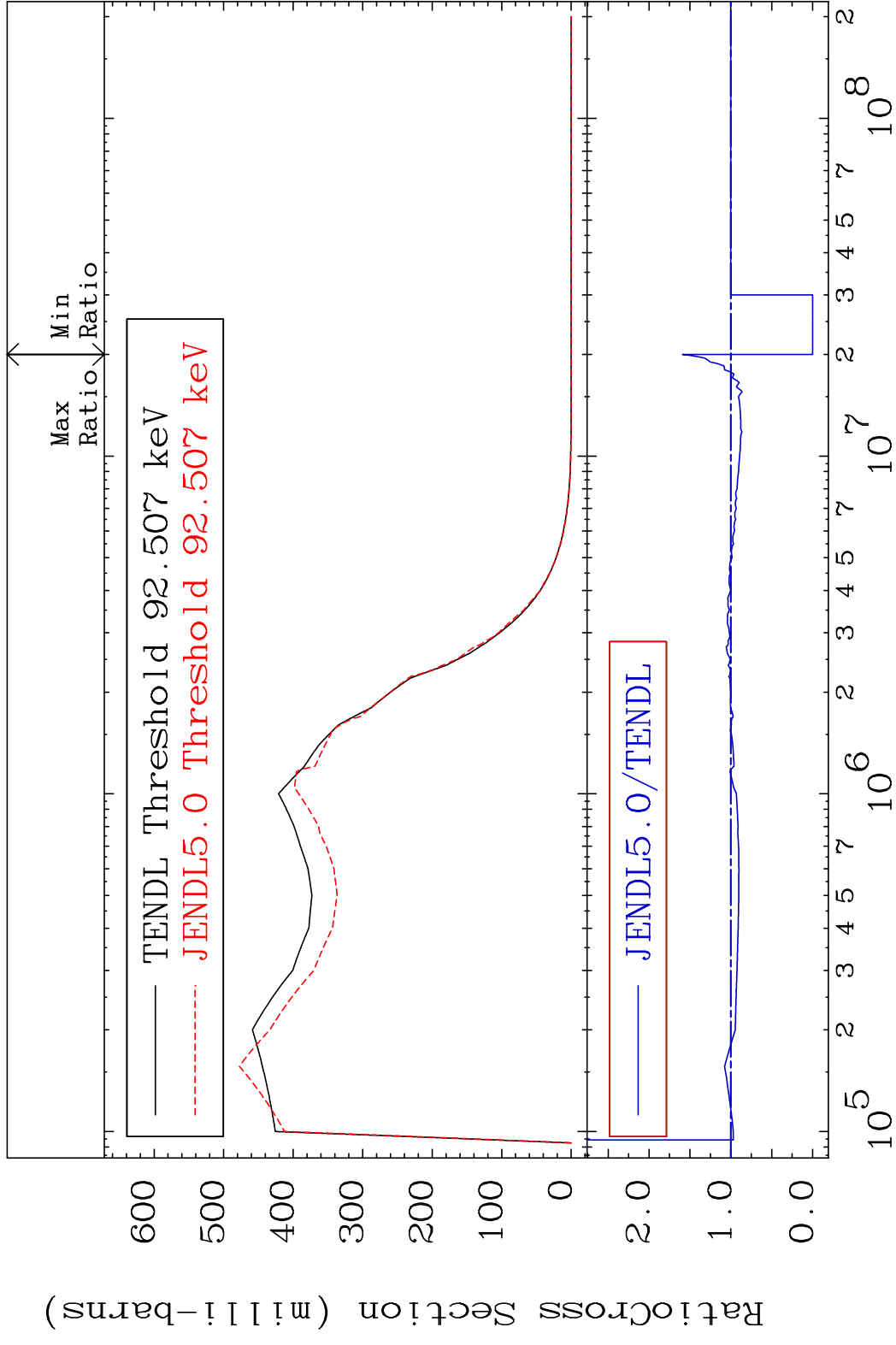


9

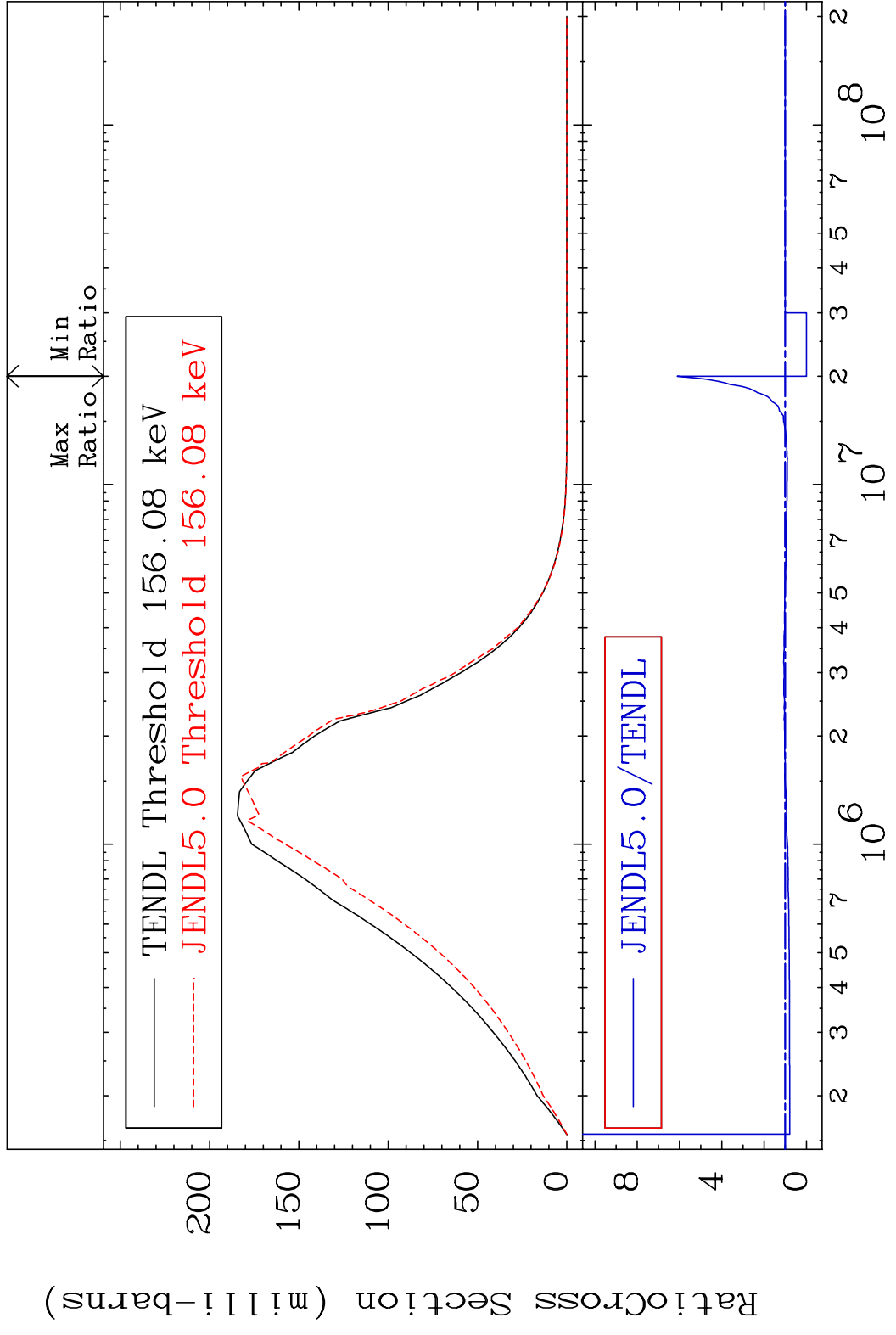
Incident Energy (eV)

23-V -49

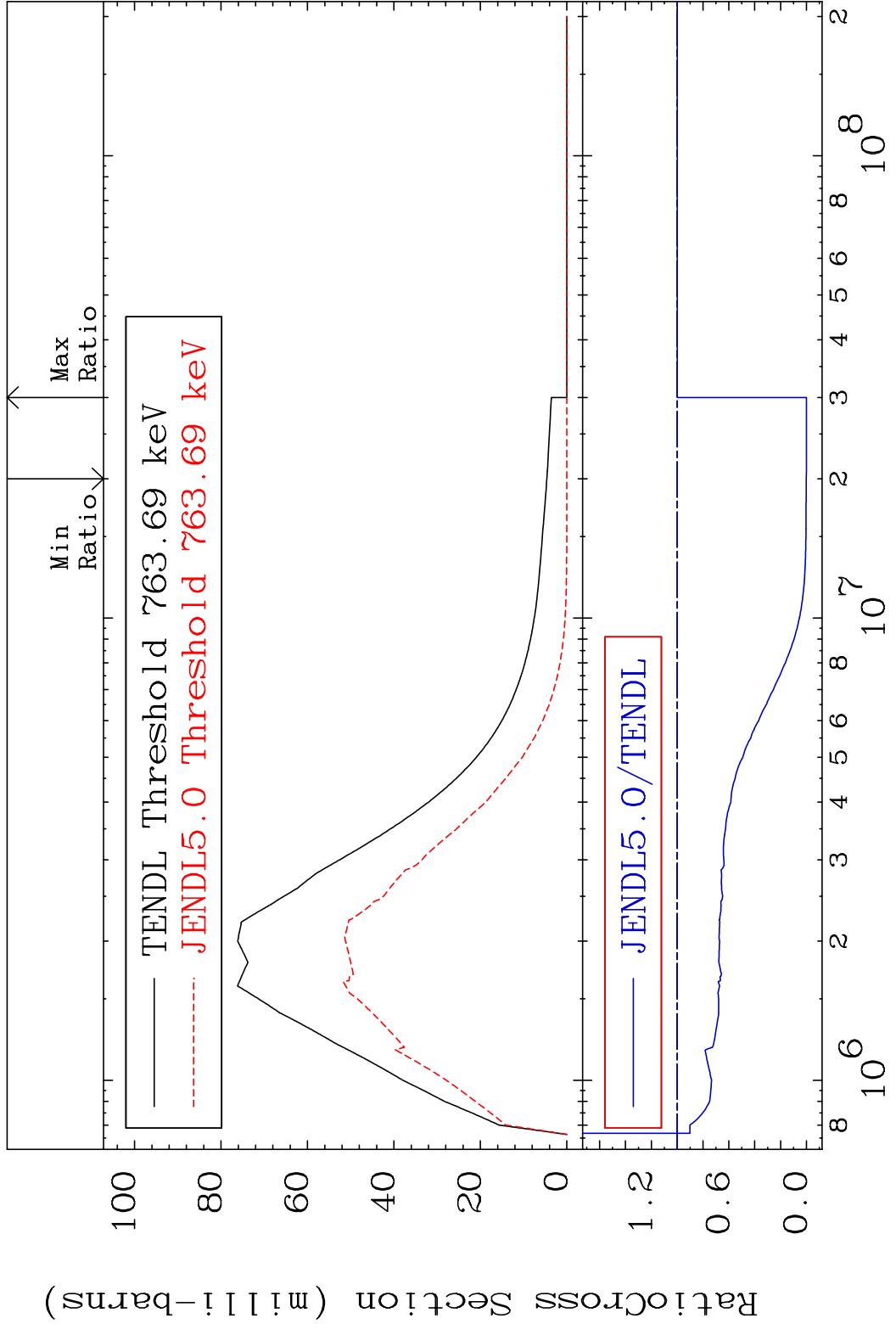
MAT 2322 MT= 51 (n,n') Level 23-V -49  
 Cross Section -100.0 To 59.26 %



MAT 2322 MT= 52 (n, n') Level 23-V -49  
 Cross Section -100.0 To 511.1 %

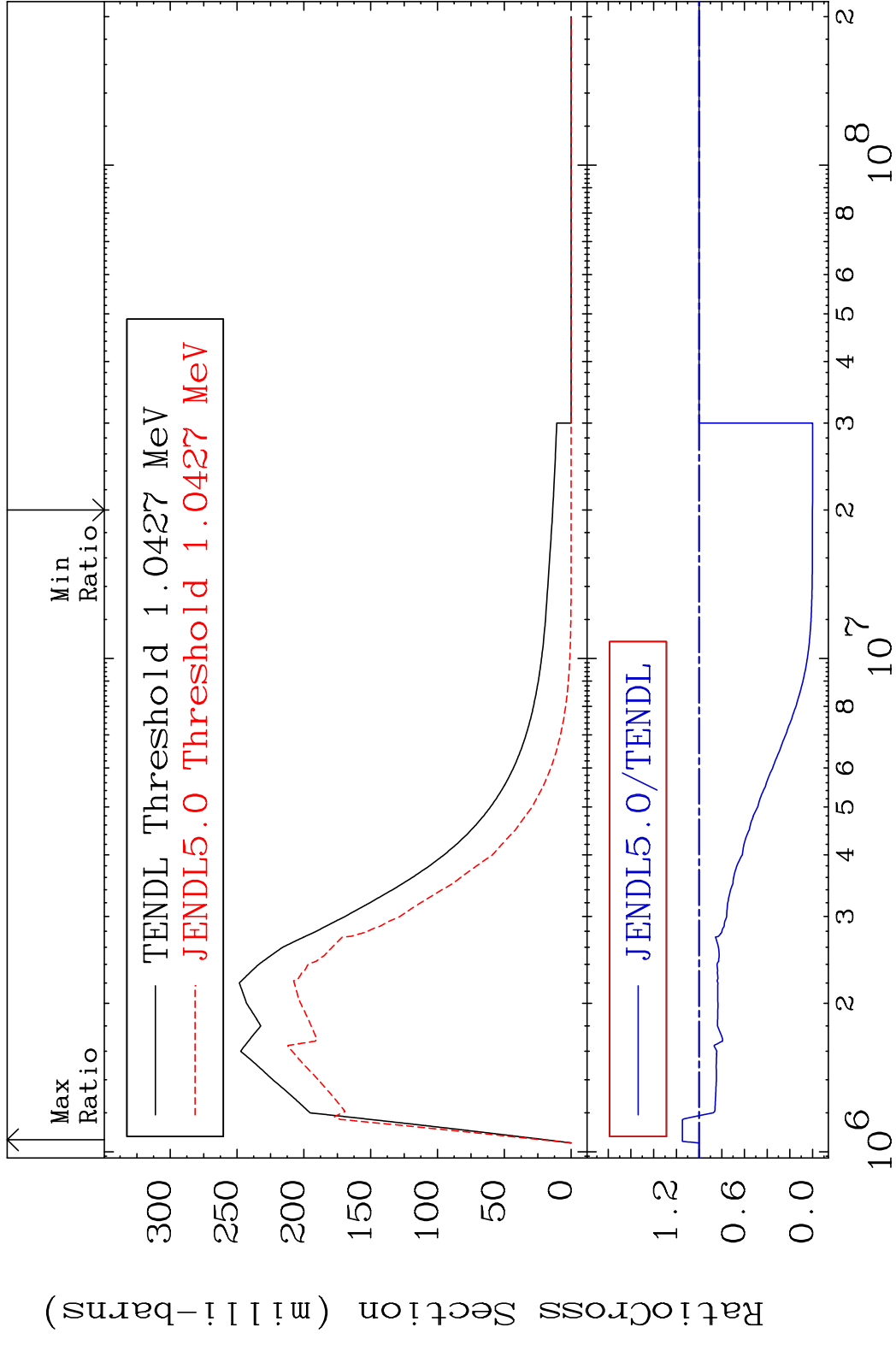


MAT 2322 MT= 53 (n, n') Level 23-V -49  
 Cross Section -100.0 To 0.000 %



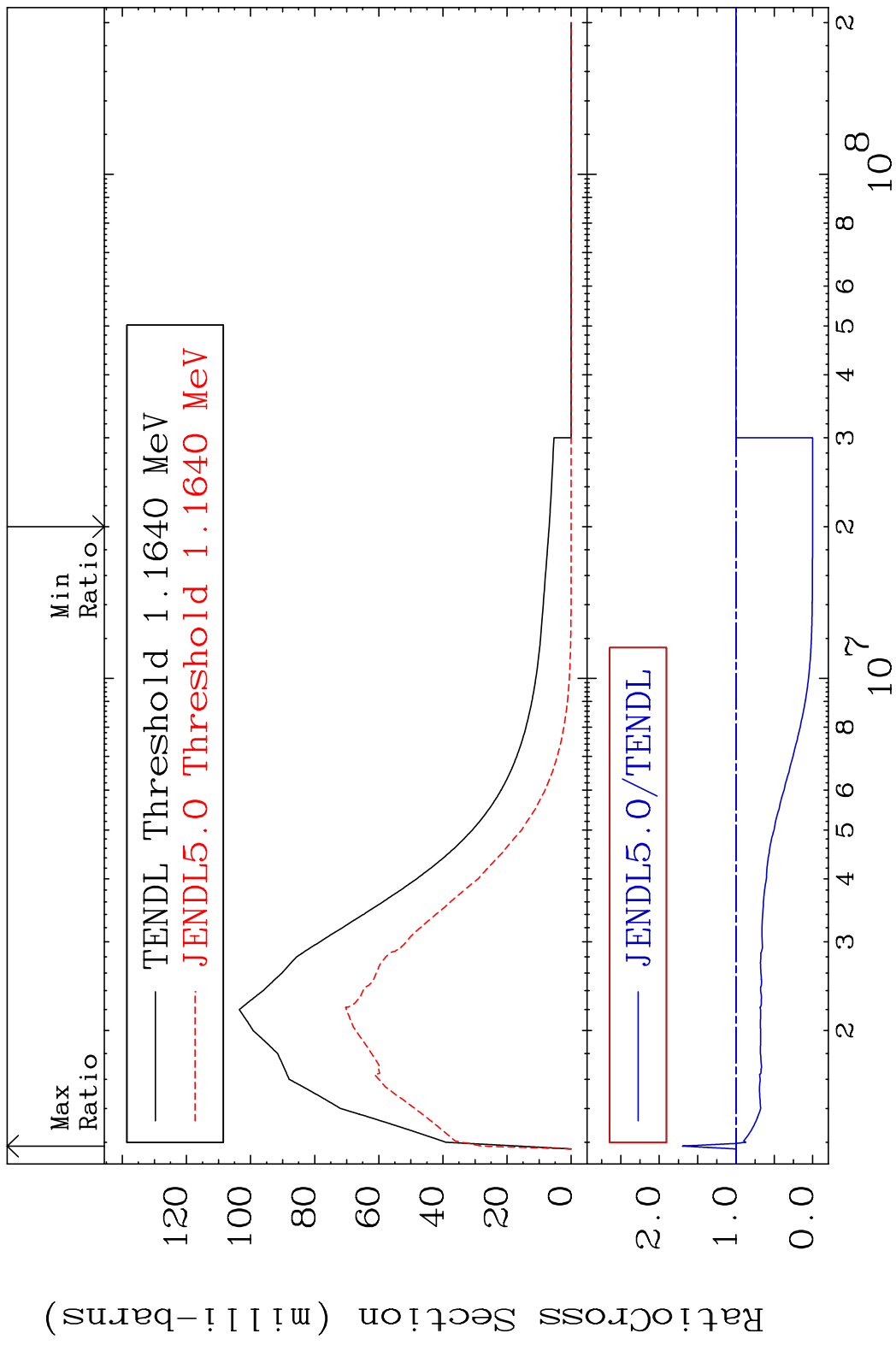
12 Incident Energy (eV) 23-V -49

MAT 2322 MT= 54 (n, n') Level 23-V -49  
 Cross Section -100.0 To 14.72 %

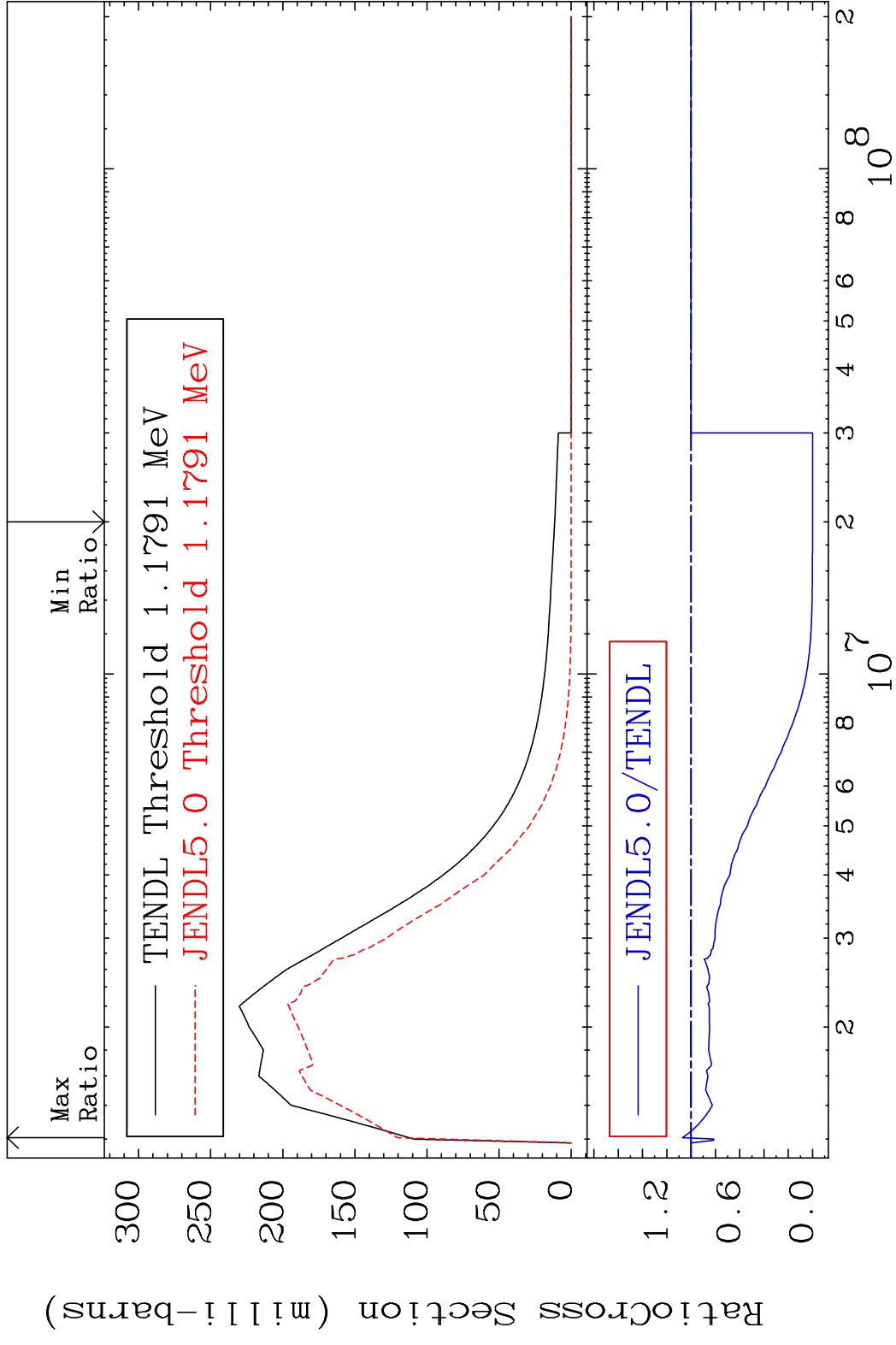


13 Incident Energy (eV) 23-V -49

MAT 2322 MT= 55 (n, n') Level 23-V -49  
 Cross Section -100.0 To 69.84 %

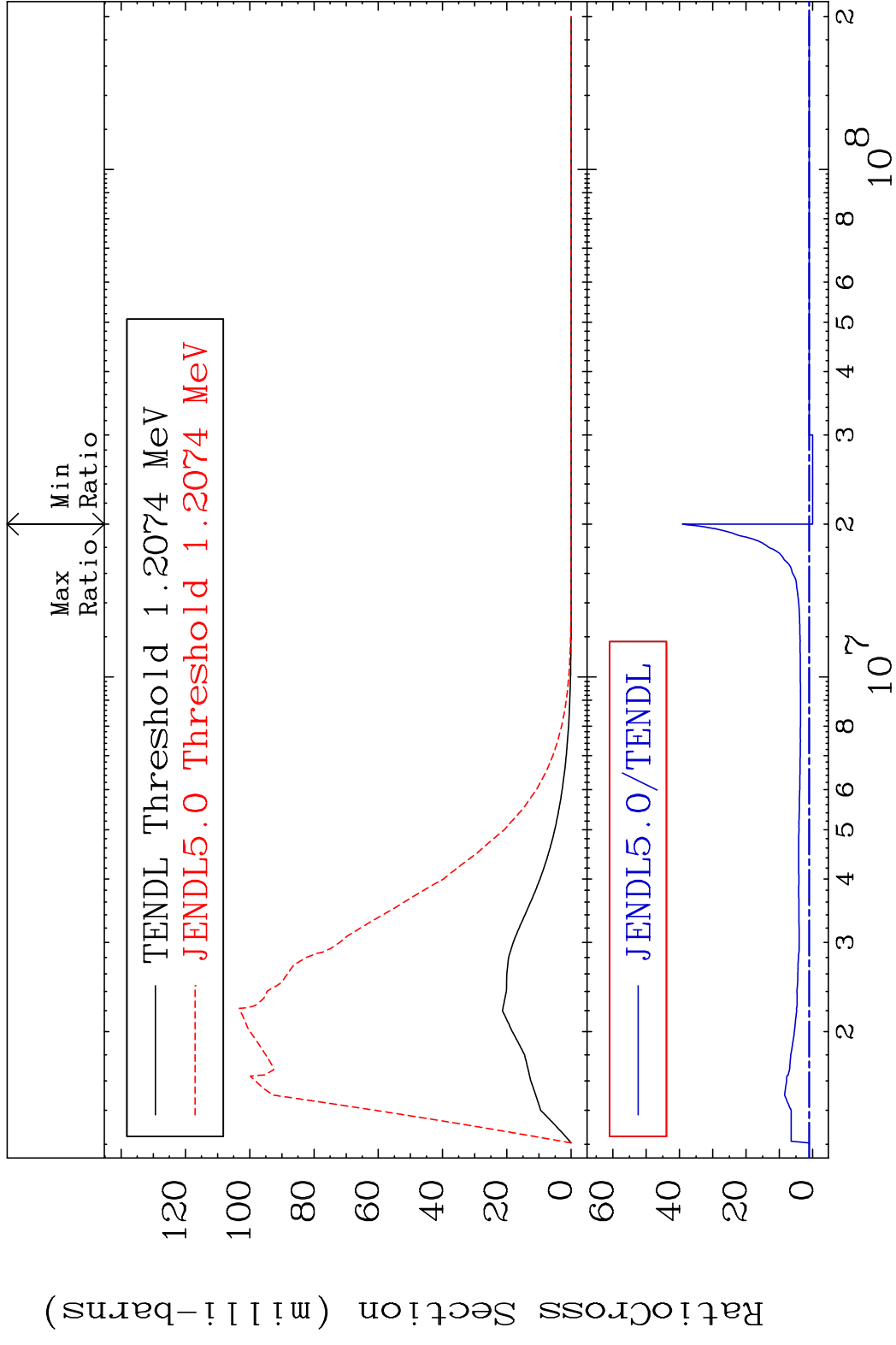


MAT 2322 MT= 56 (n, n') Level 23-V -49  
 Cross Section -100.0 To 7.210 %

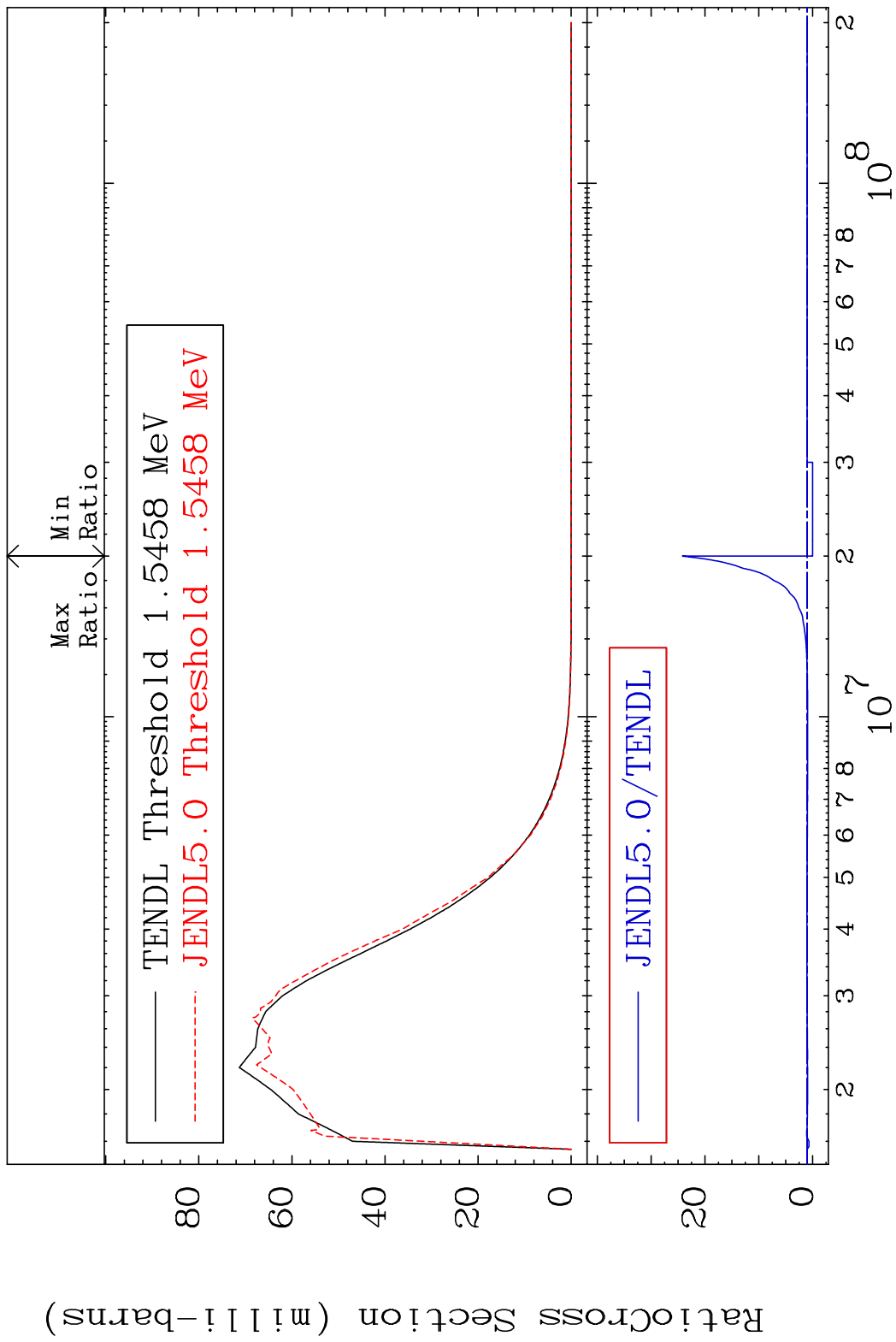




MAT 2322 MT= 57 (n, n') Level 23-V -49  
 Cross Section -100.0 To 3810. %

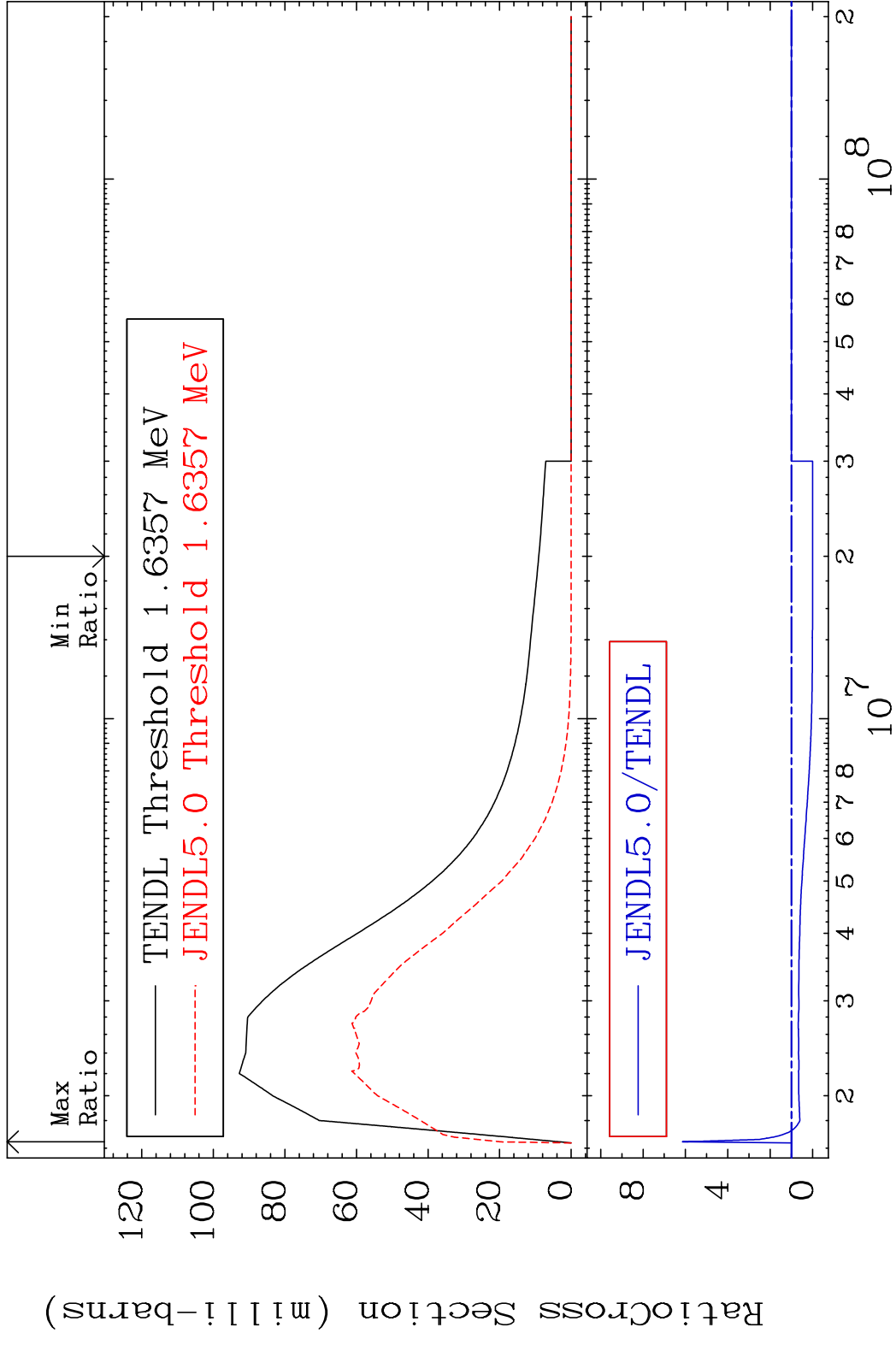


MAT 2322 MT= 58 (n, n') Level 23-V -49  
 Cross Section -100.0 To 2320. %

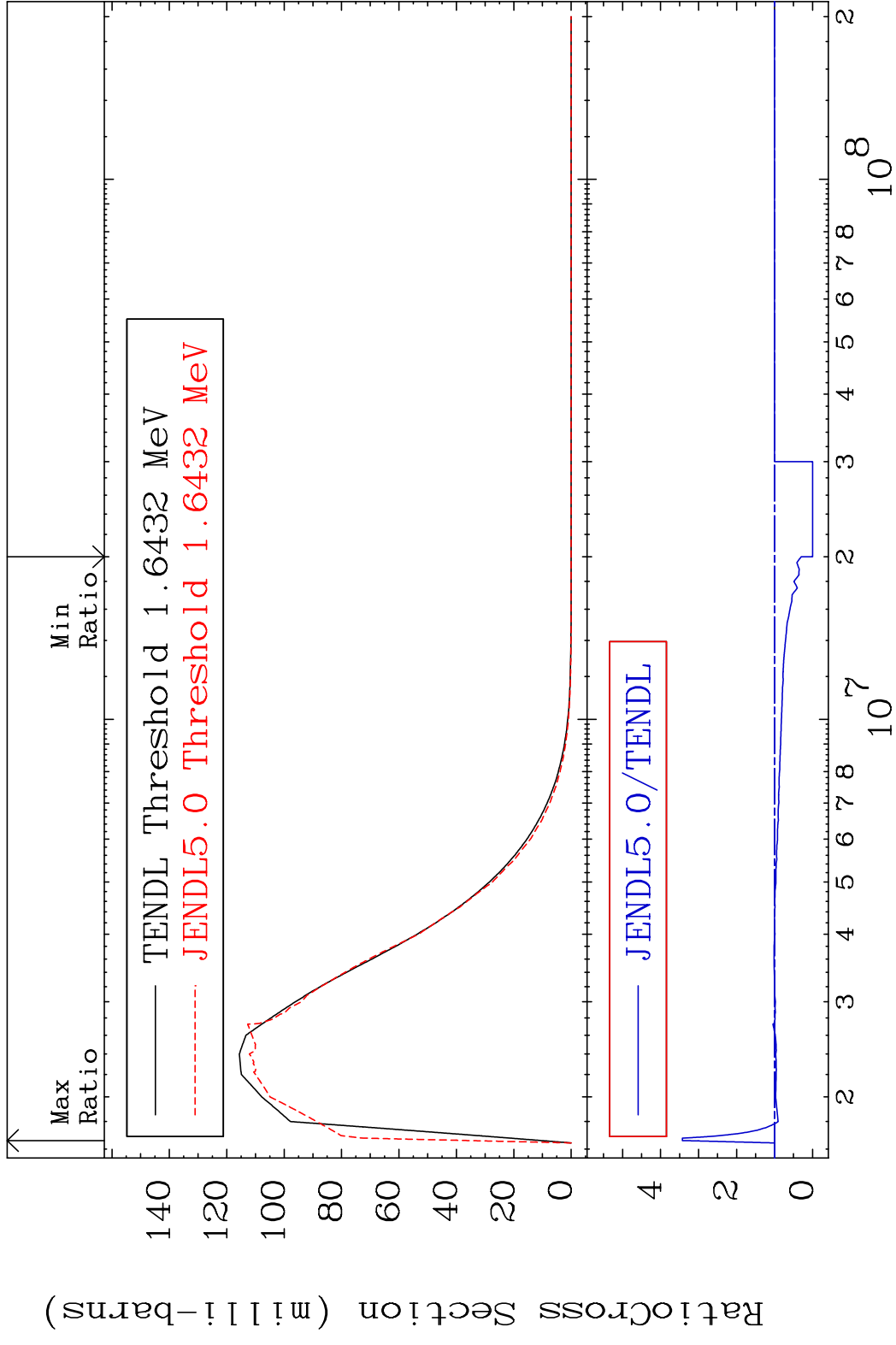


17 Incident Energy (eV) 23-V -49

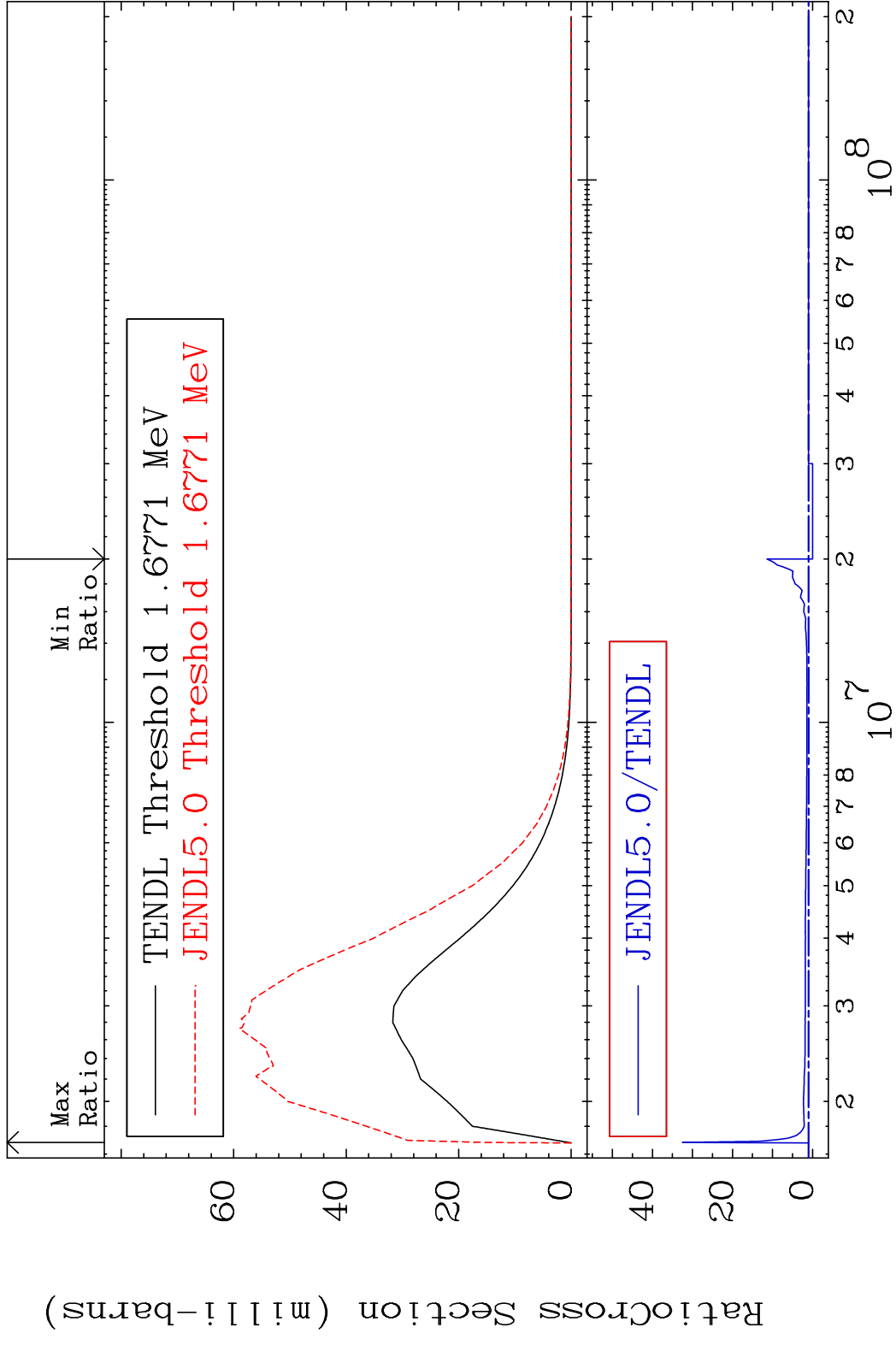
MAT 2322 MT= 59 (n, n') Level 23-V -49  
 Cross Section -100.0 To 514.5 %



MAT 2322 MT= 60 (n, n') Level 23-V -49  
 Cross Section -100.0 To 242.7 %

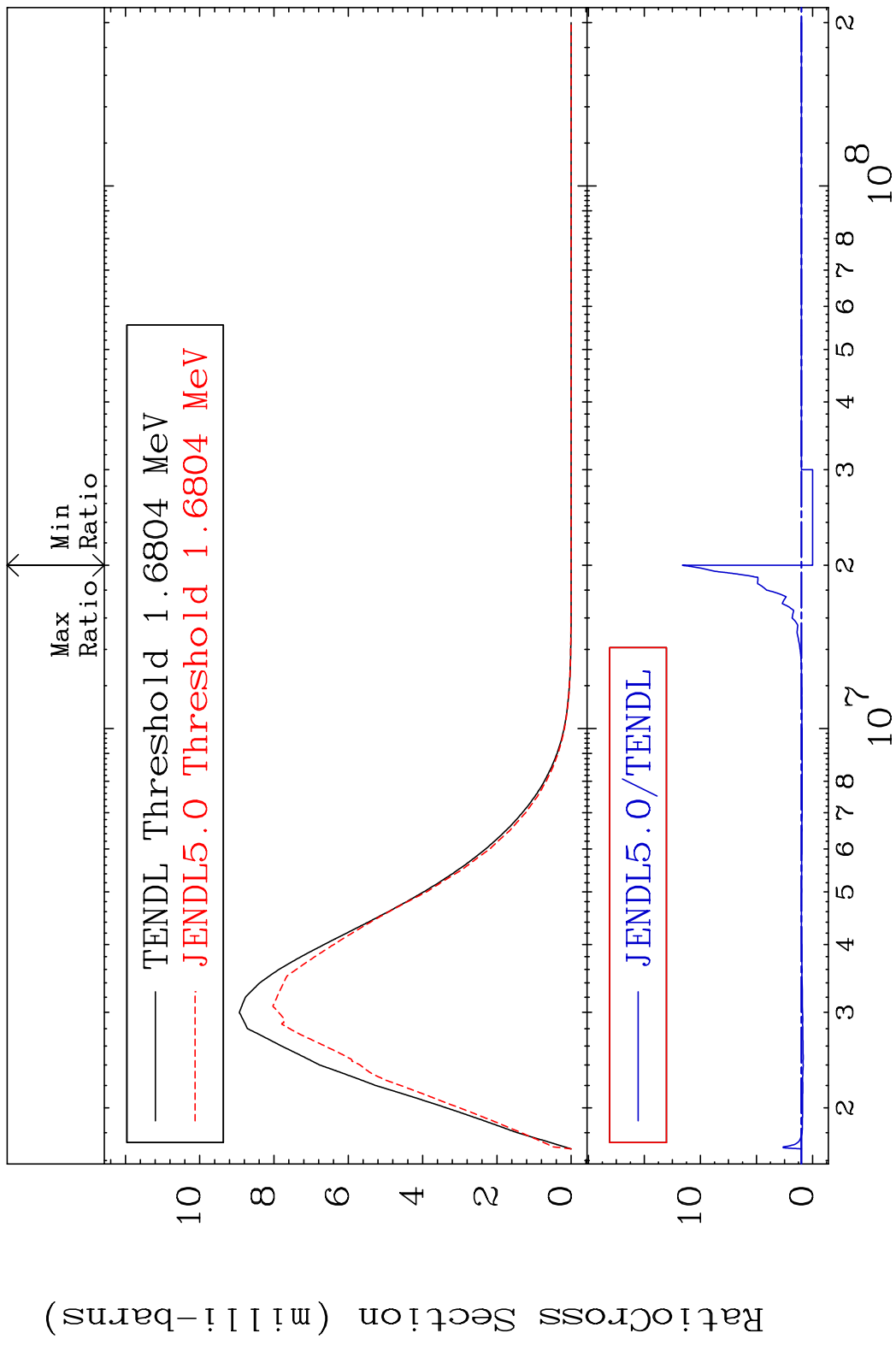


MAT 2322 MT= 61 (n, n') Level 23-V -49  
 Cross Section -100.0 To 3152. %

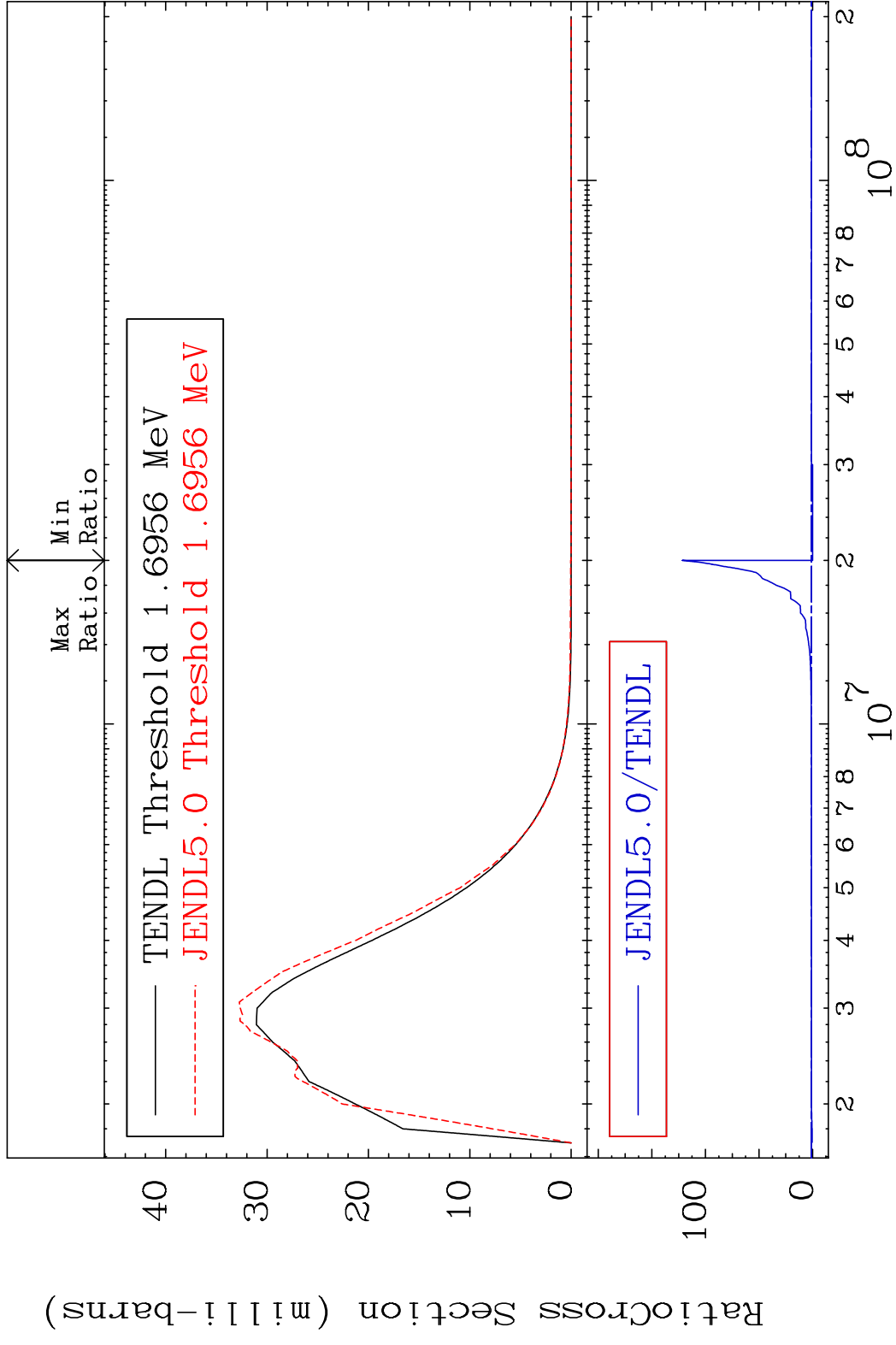


20 Incident Energy (eV) 23-V -49

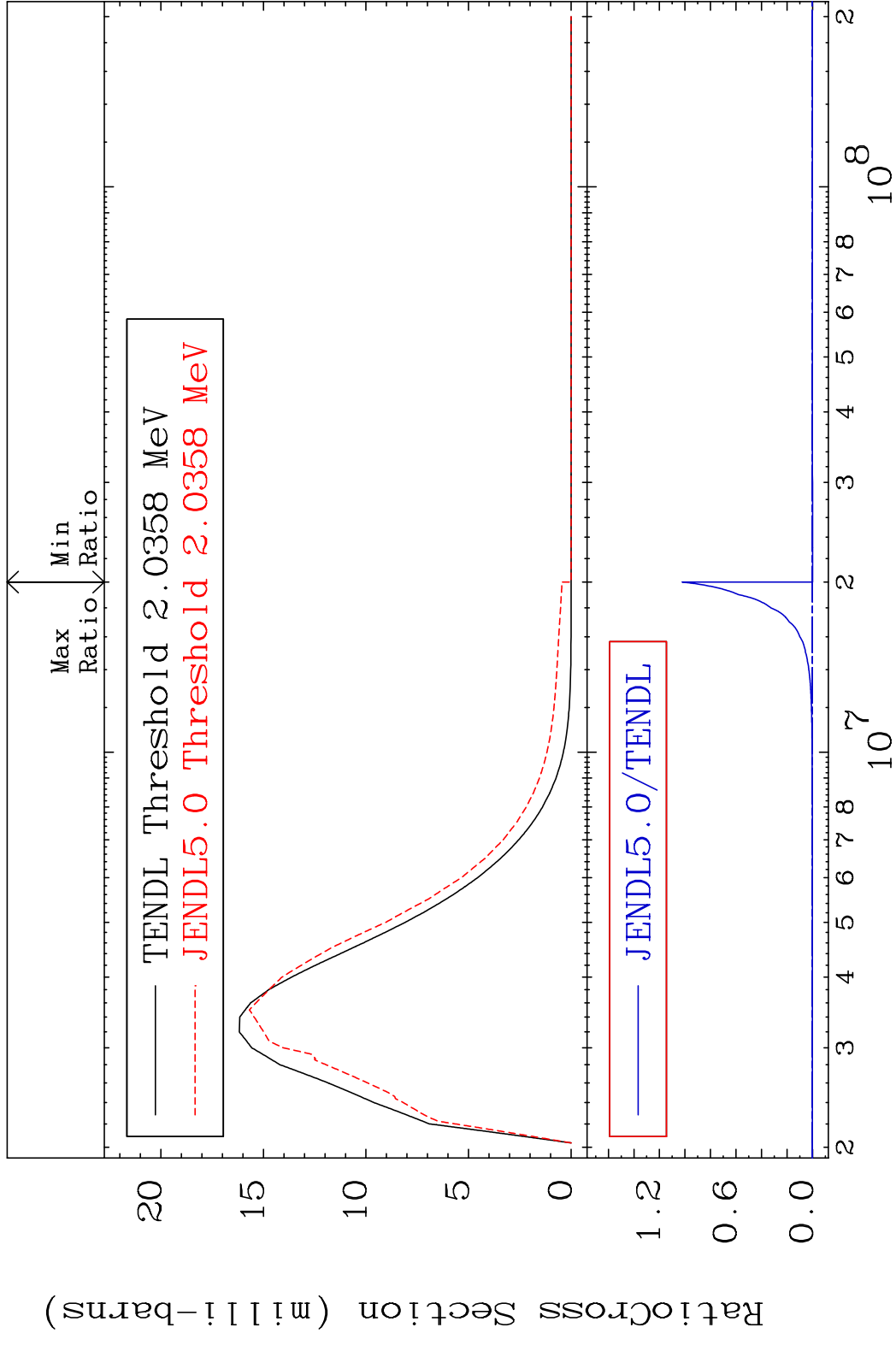
MAT 2322 MT= 62 (n, n') Level 23-V -49  
 Cross Section -100.0 To 1061. %



MAT 2322 MT= 63 (n, n') Level 23-V -49  
 Cross Section -100.0 To 9999. %



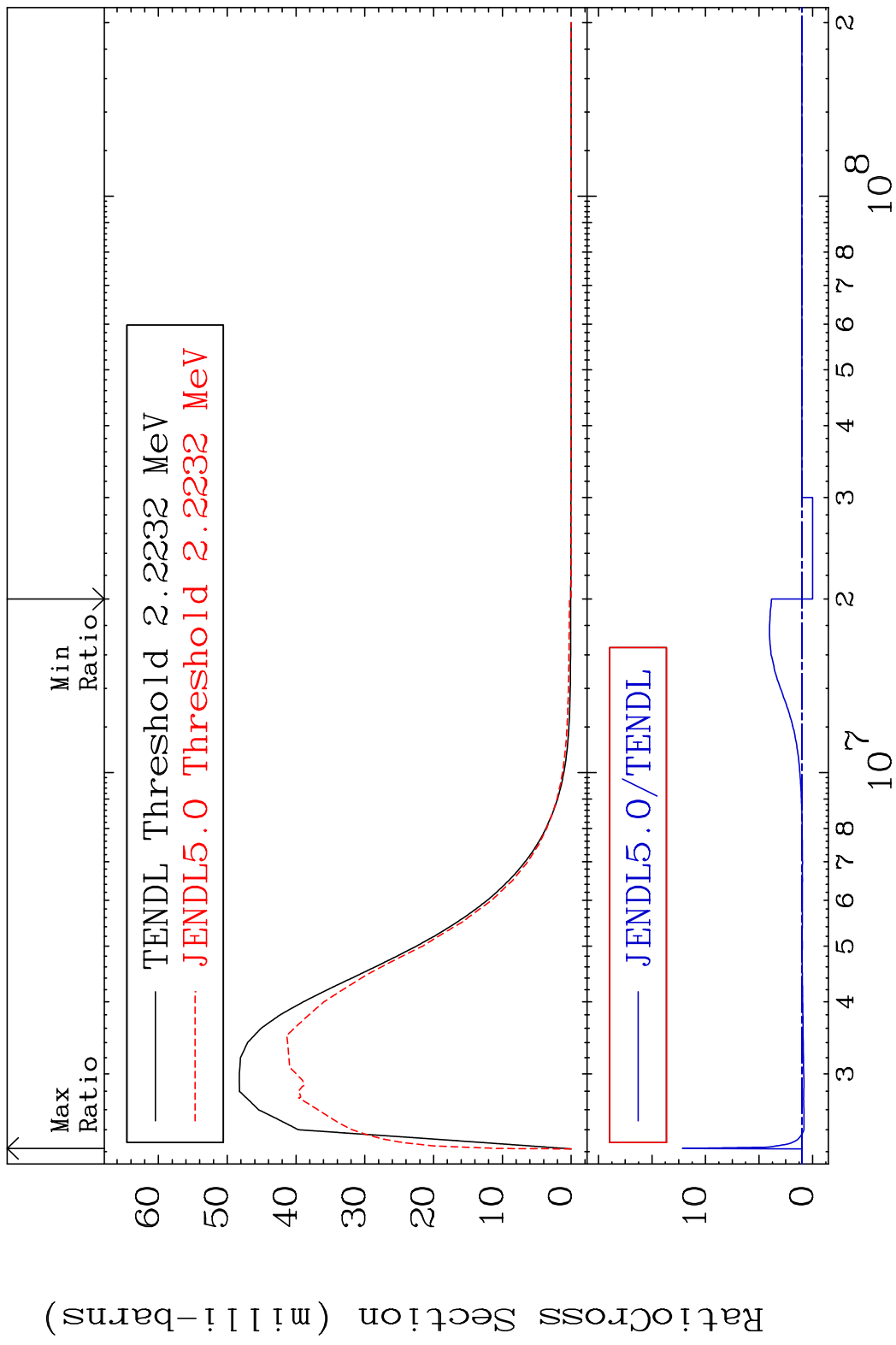
MAT 2322 MT= 64 (n, n') Level 23-V -49  
 Cross Section -100.0 To 9999. %



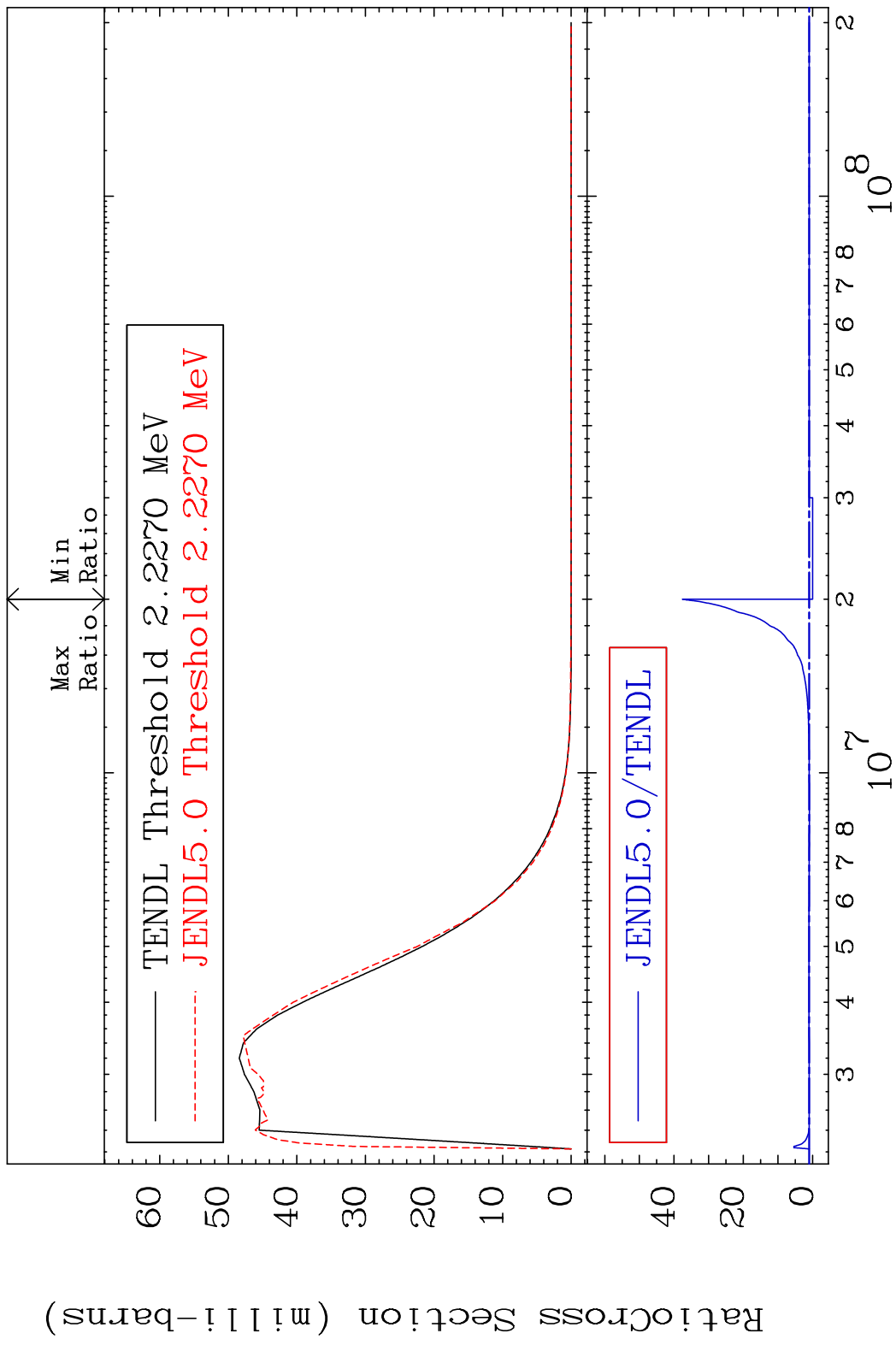
23 Incident Energy (eV) 23-V -49



MAT 2322 MT= 65 (n, n') Level 23-V -49  
 Cross Section -100.0 To 1116. %

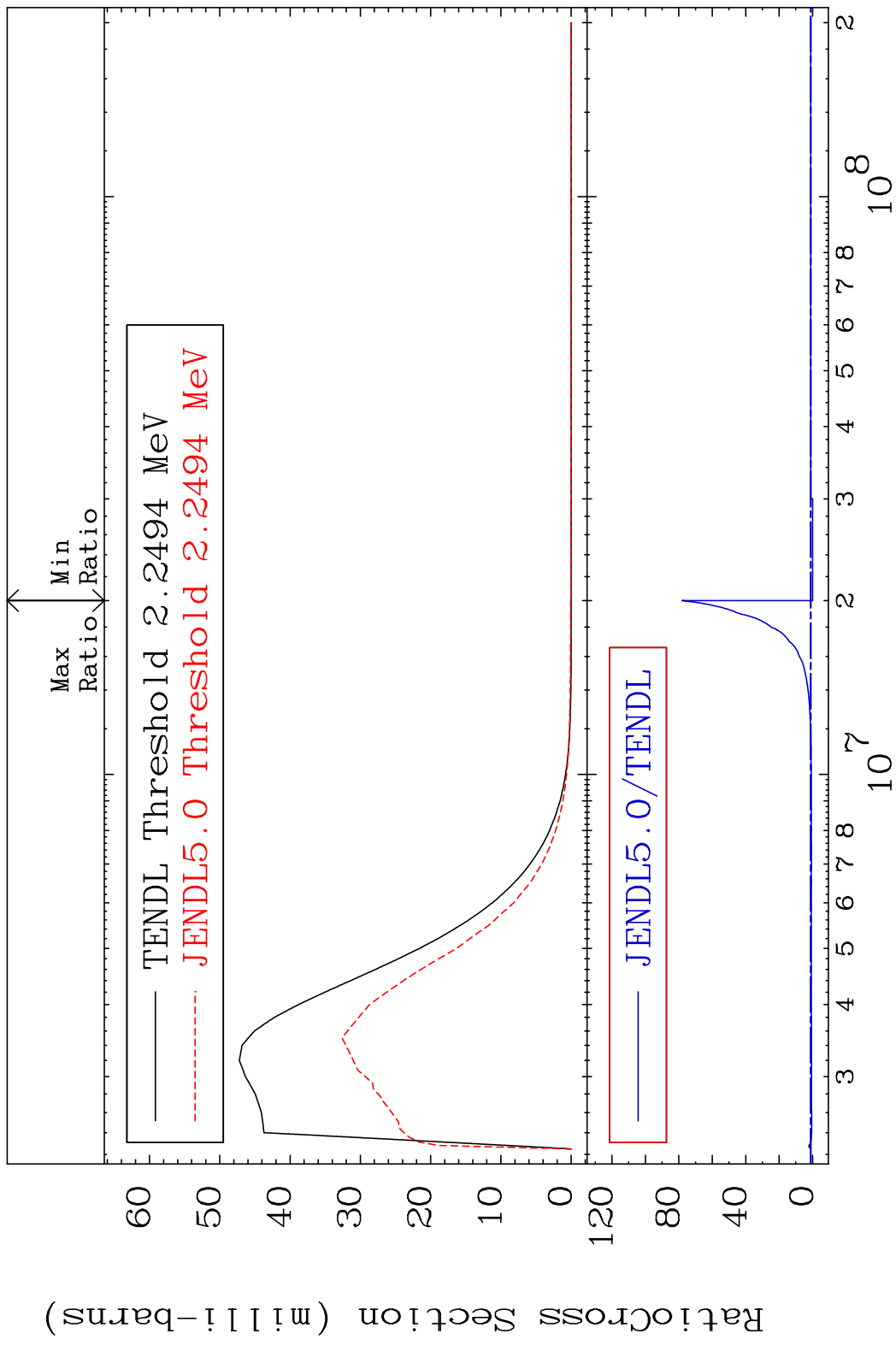


MAT 2322 MT= 66 (n, n') Level 23-V -49  
 Cross Section -100.0 To 3660. %

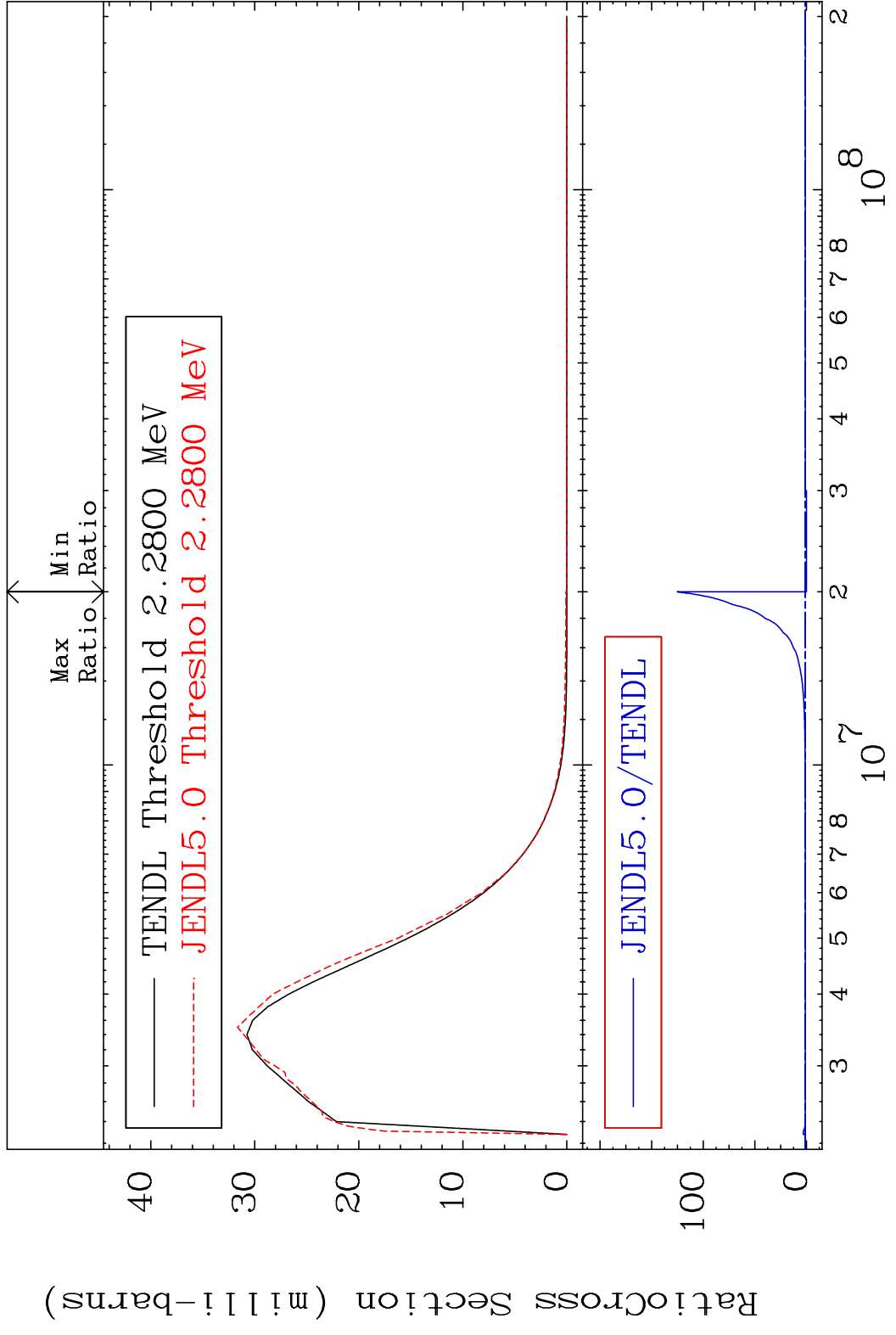


25 Incident Energy (eV) 23-V -49

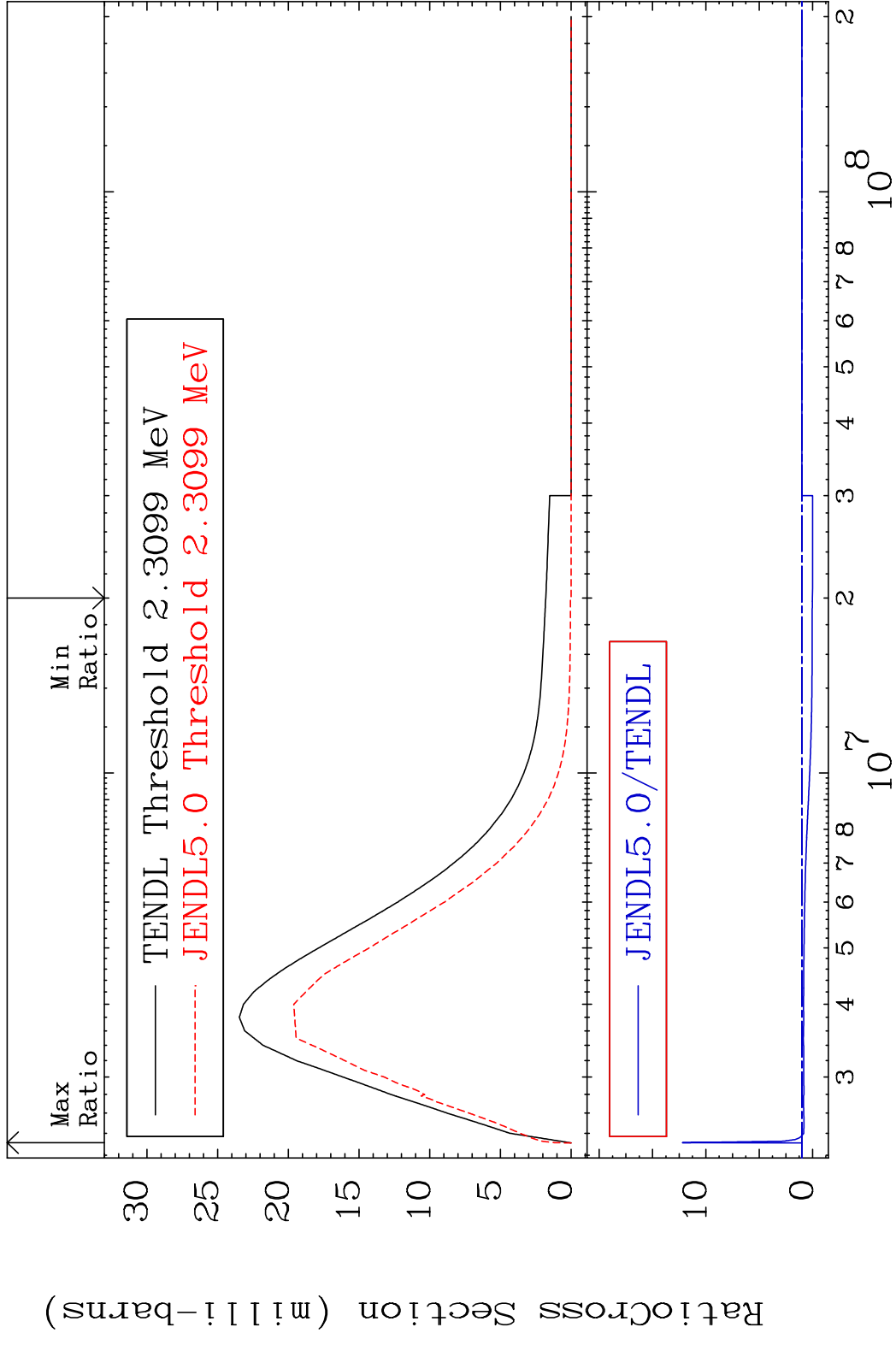
MAT 2322 MT= 67 (n, n') Level 23-V -49  
 Cross Section -100.0 To 7688. %



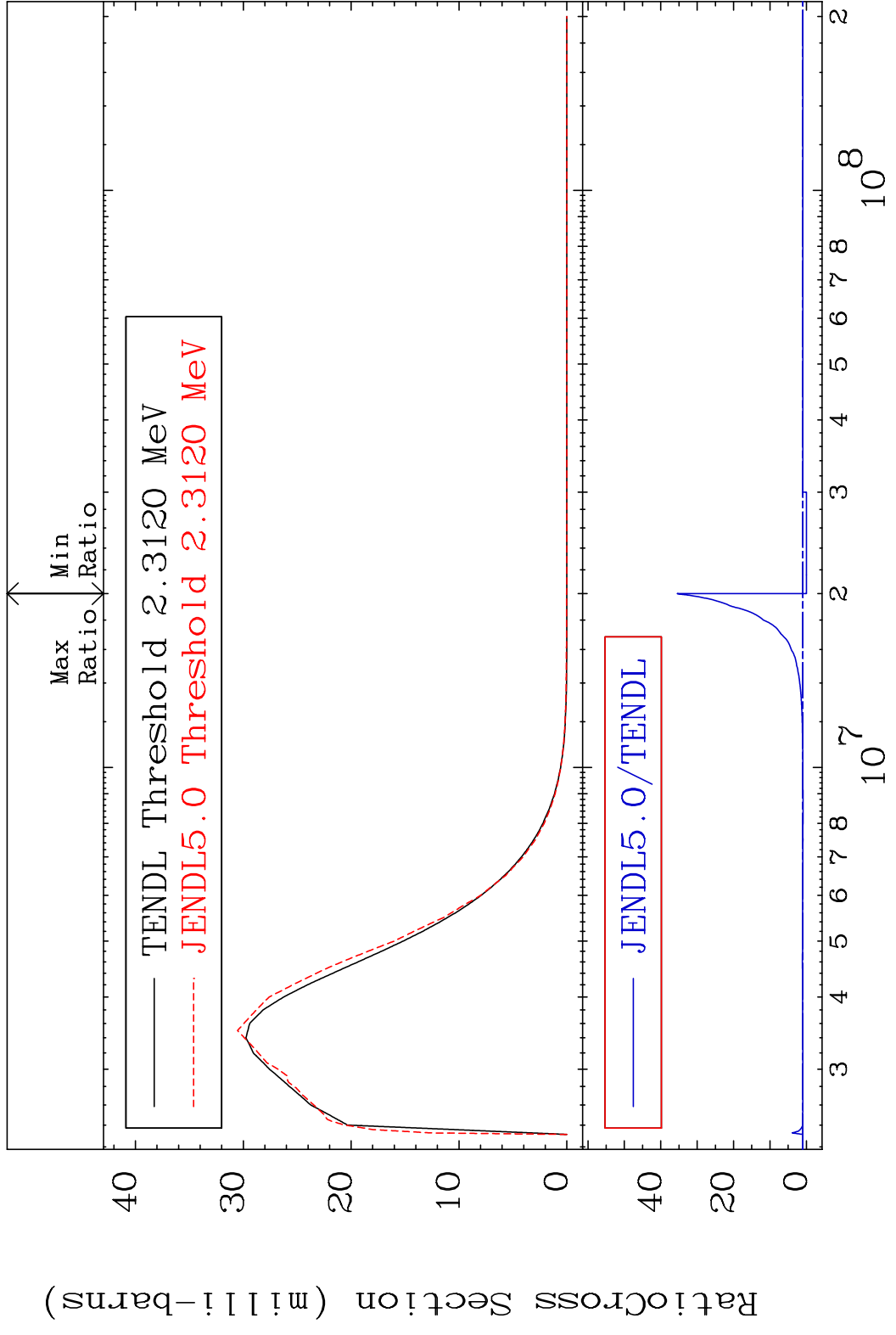
MAT 2322 MT= 68 (n, n') Level 23-V -49  
 Cross Section -100.0 To 9999. %



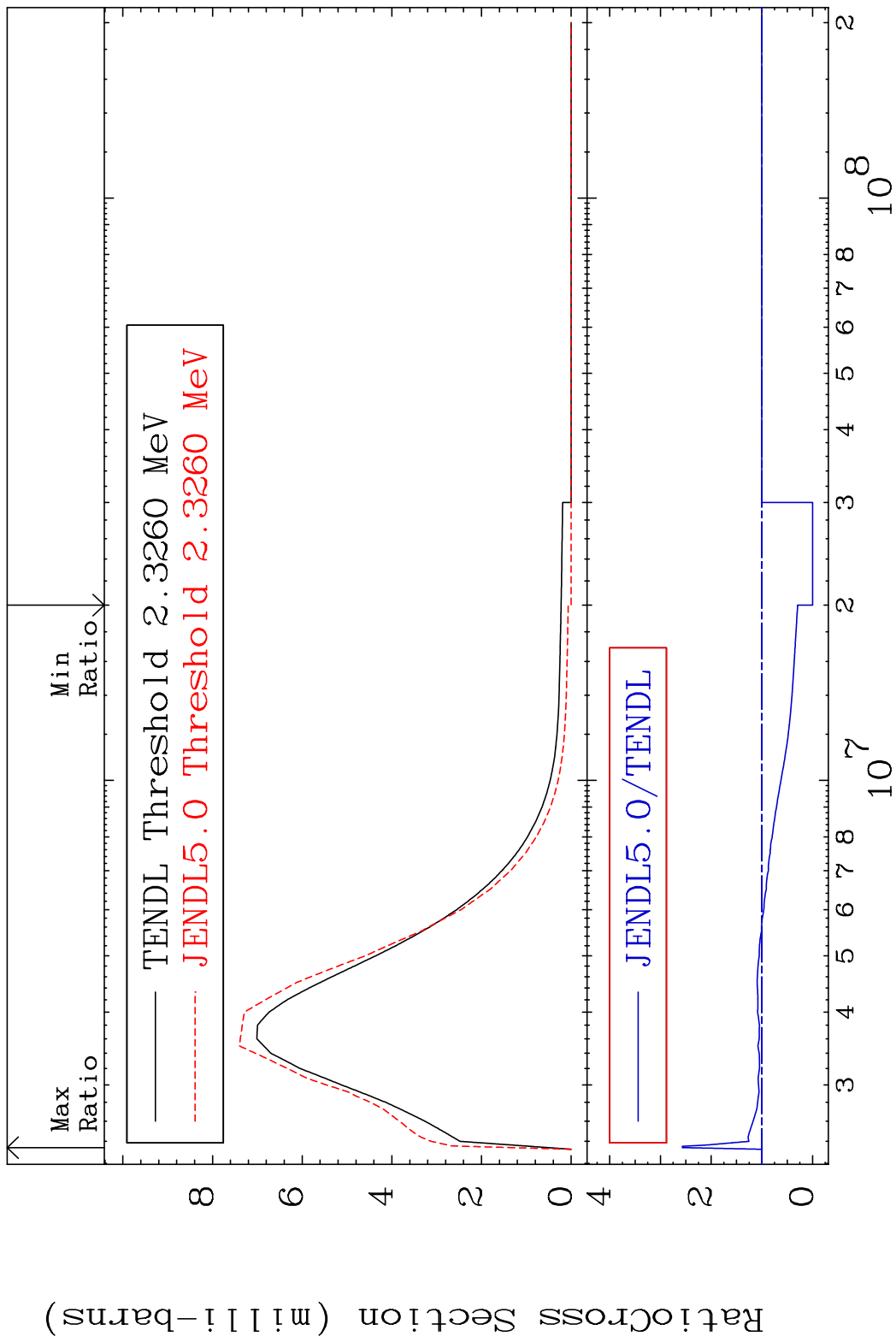
MAT 2322 MT= 69 (n, n') Level 23-V -49  
 Cross Section -100.0 To 1120. %



MAT 2322 MT= 70 (n, n') Level 23-V -49  
 Cross Section -100.0 To 3449. %

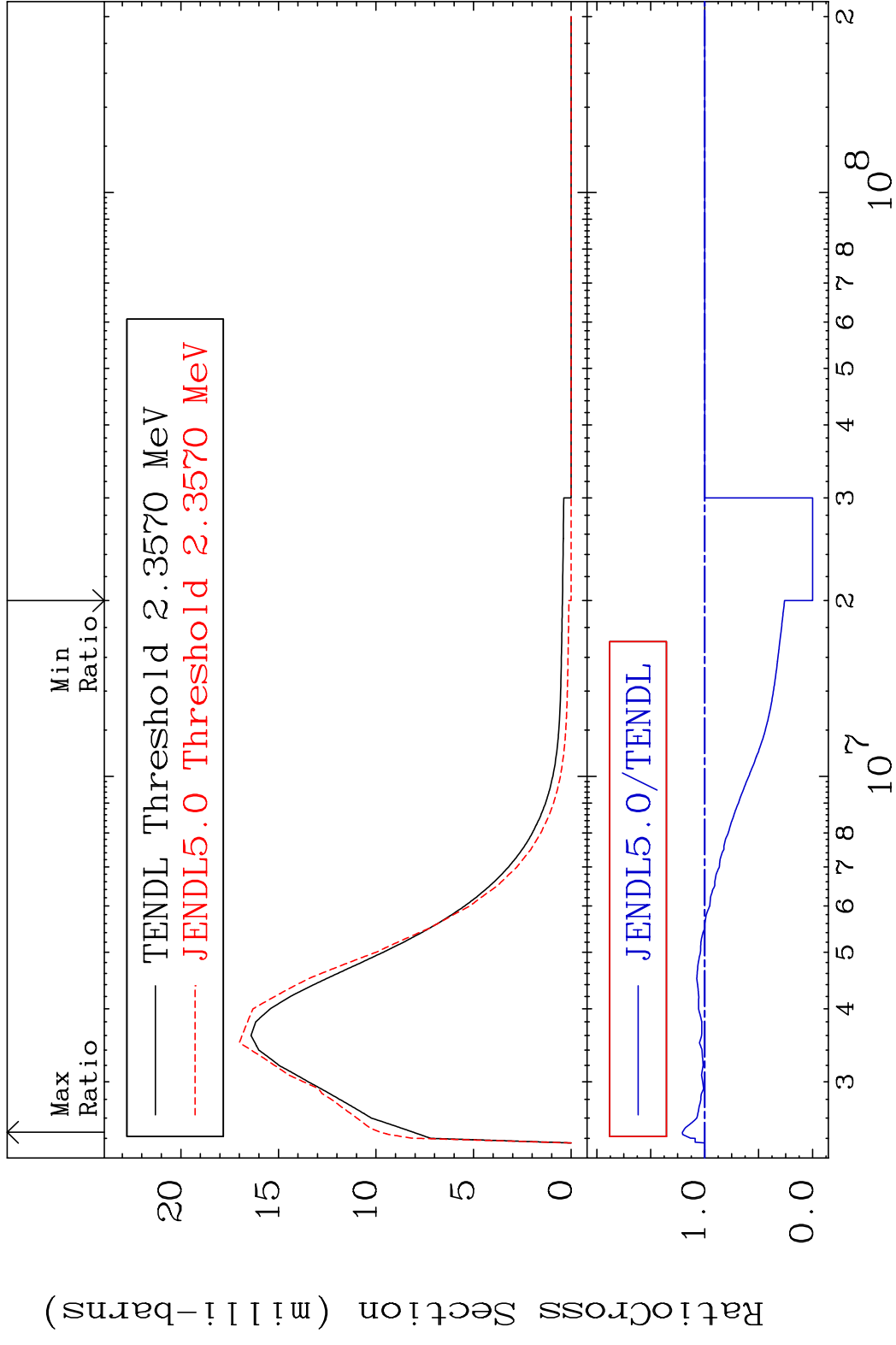


MAT 2322 MT= 71 (n,n') Level 23-V -49  
 Cross Section -100.0 To 156.8 %



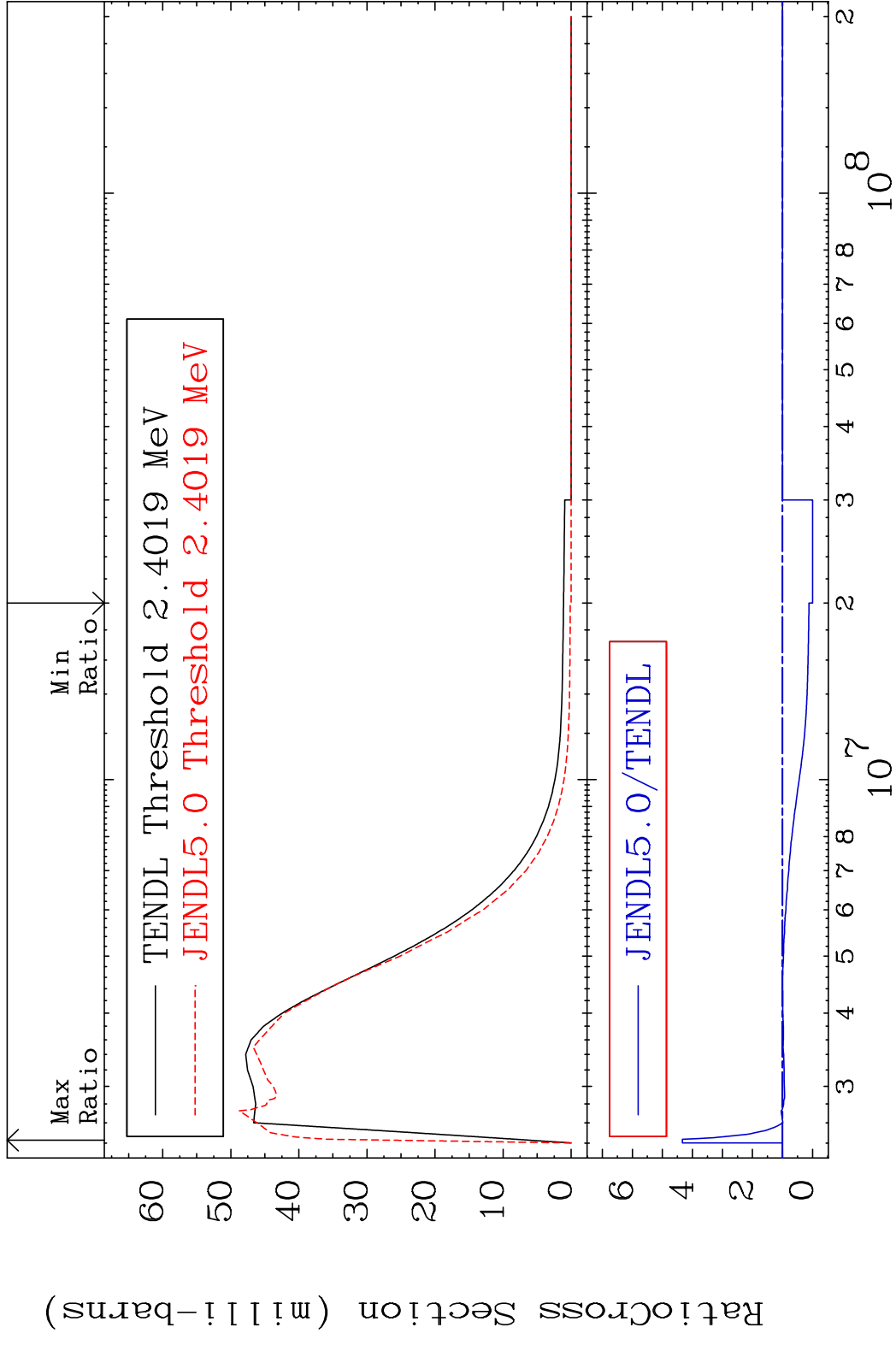
30 Incident Energy (eV) 23-V -49

MAT 2322 MT= 72 (n, n') Level 23-V -49  
 Cross Section -100.0 To 20.69 %

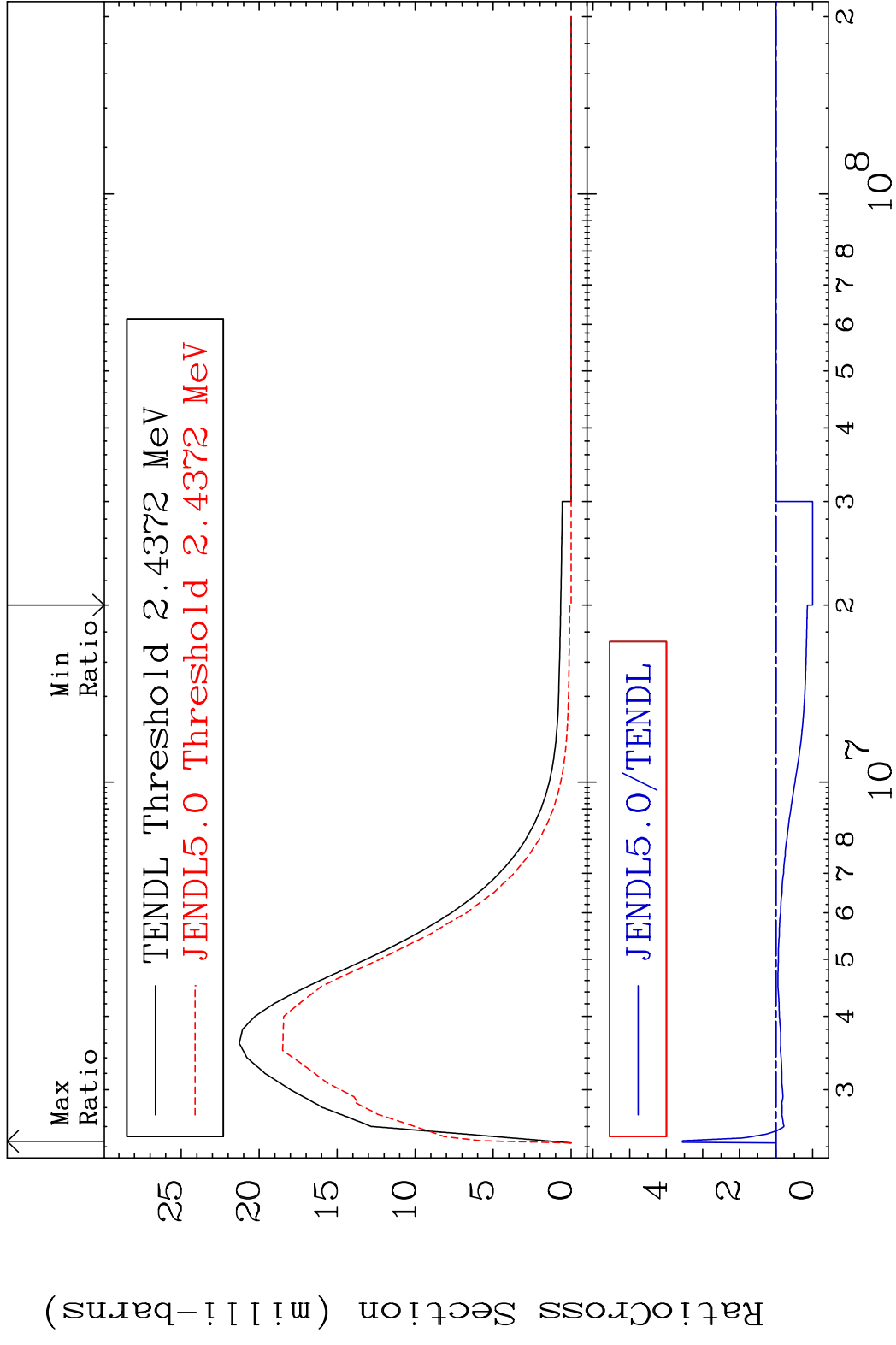




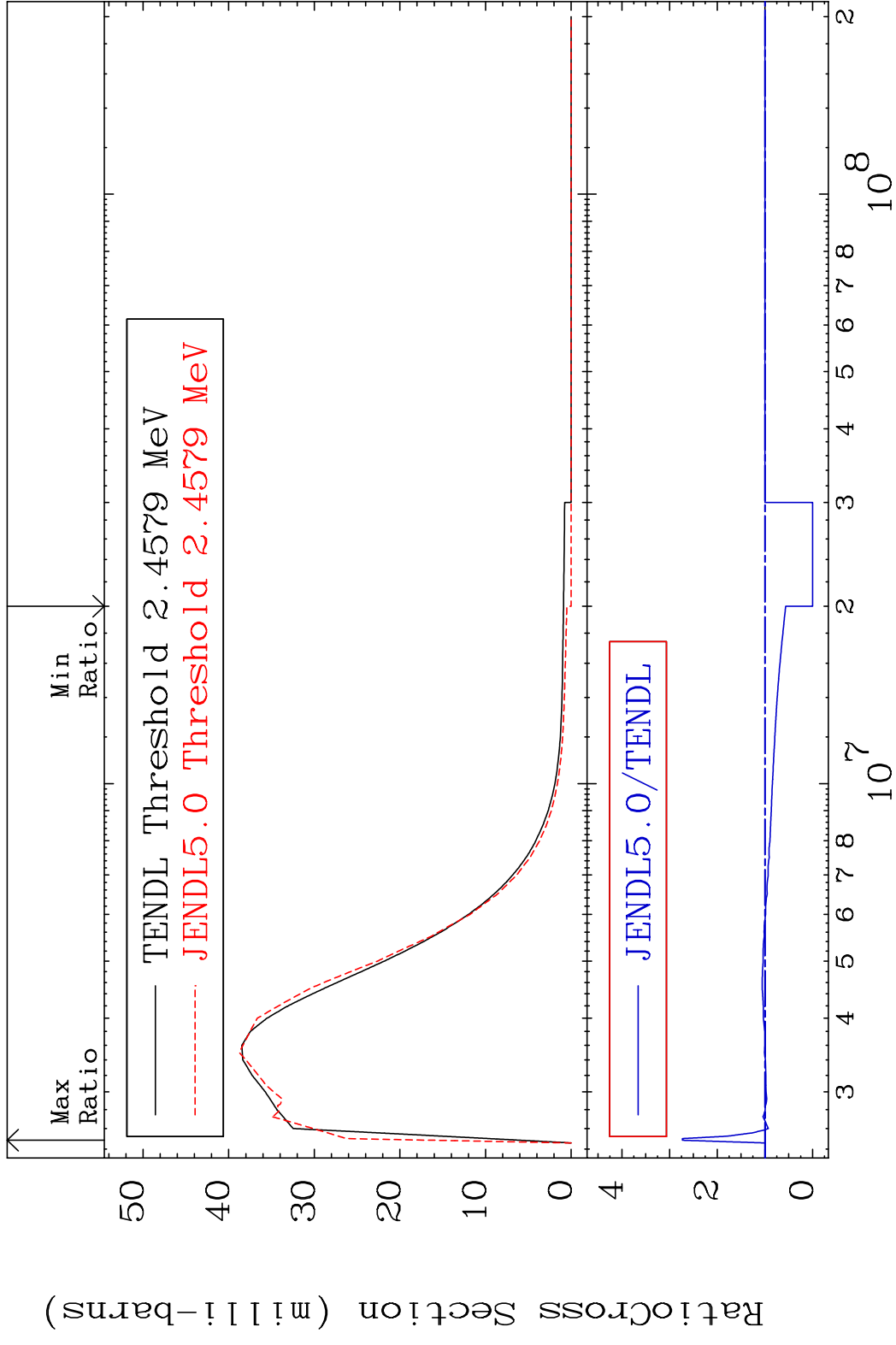
MAT 2322 MT= 73 (n, n') Level 23-V -49  
 Cross Section -100.0 To 333.5 %



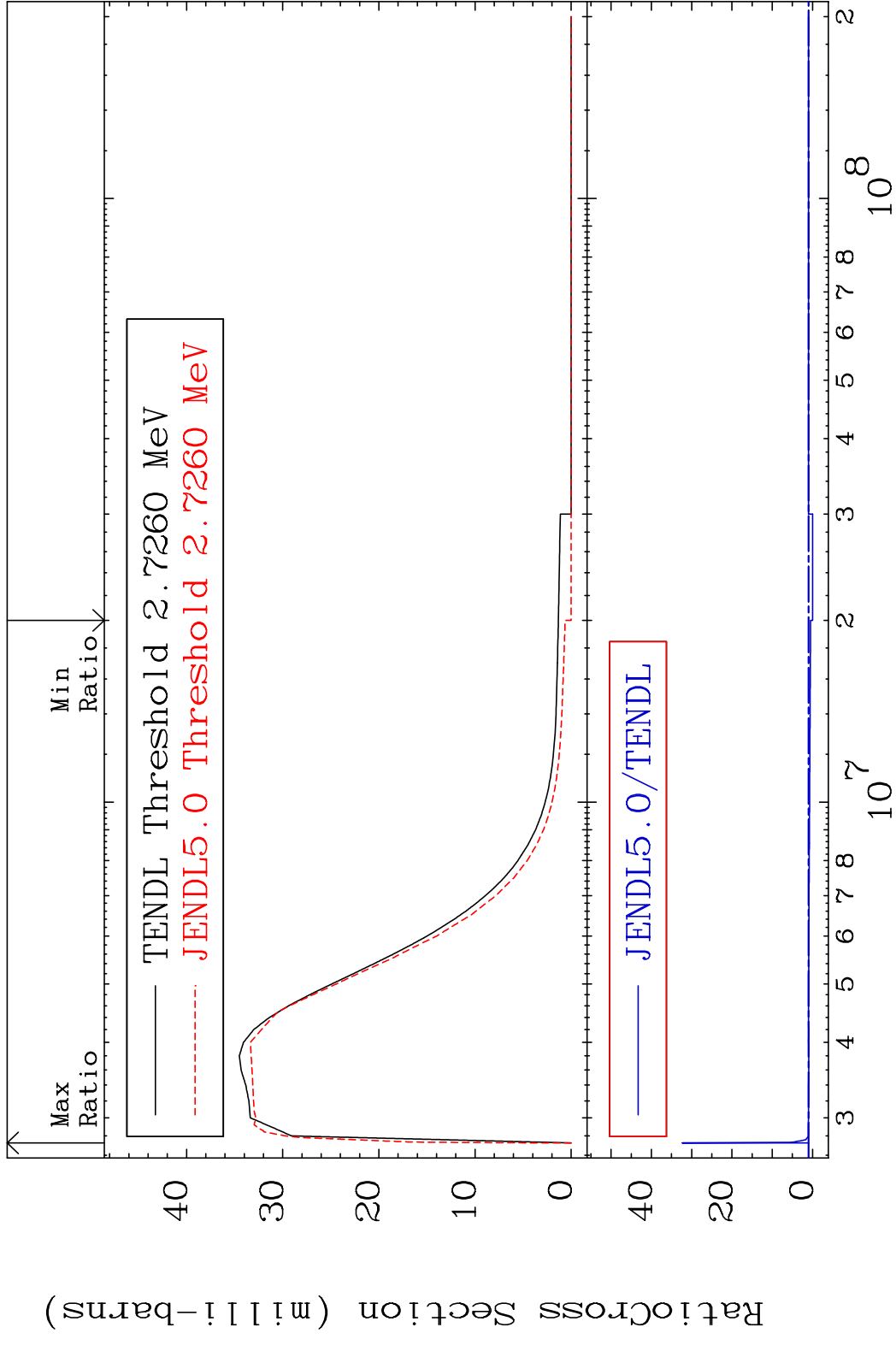
MAT 2322 MT= 74 (n,n') Level 23-V -49  
 Cross Section -100.0 To 255.9 %



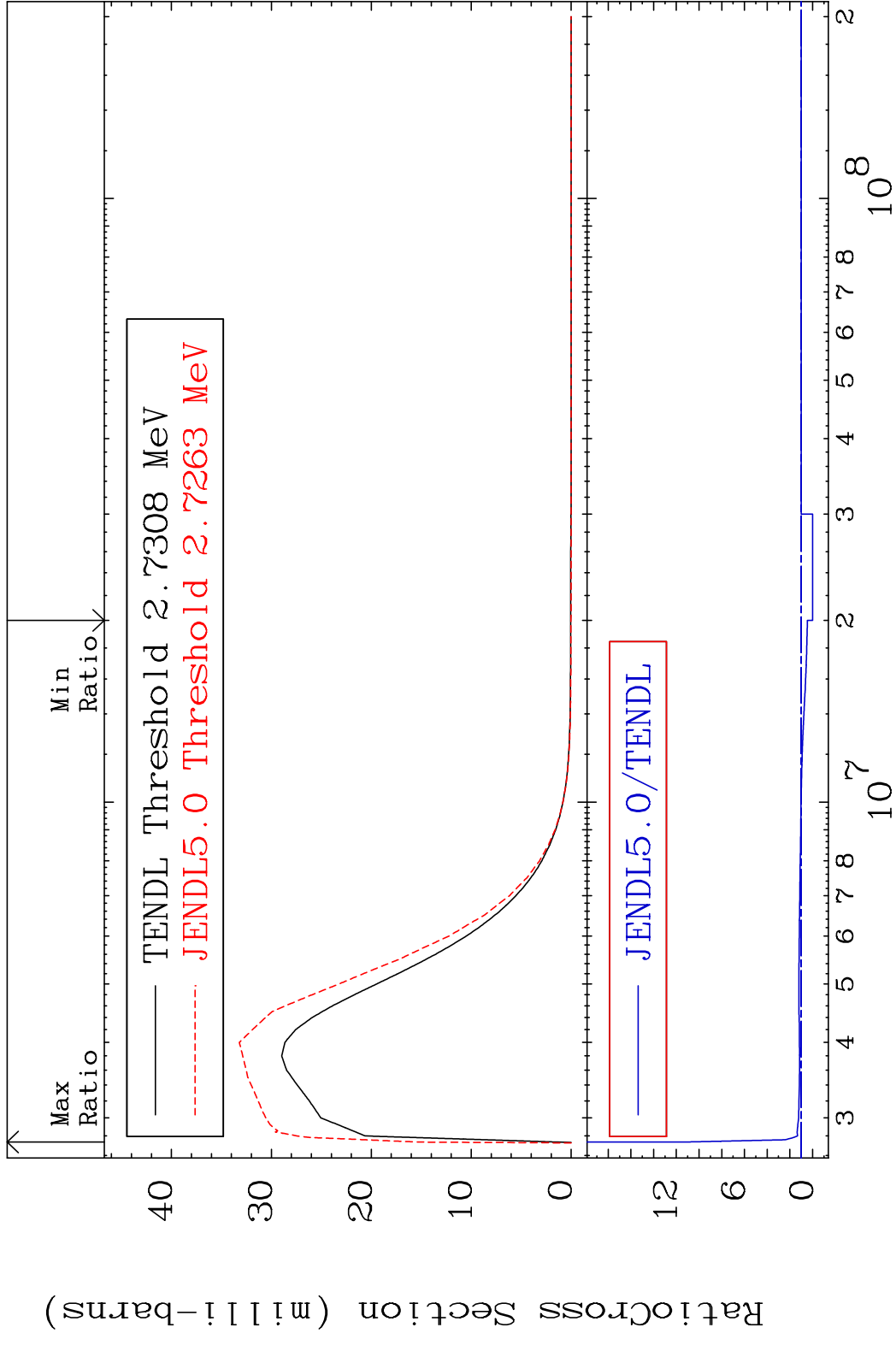
MAT 2322 MT= 75 (n, n') Level 23-V -49  
 Cross Section -100.0 To 173.1 %



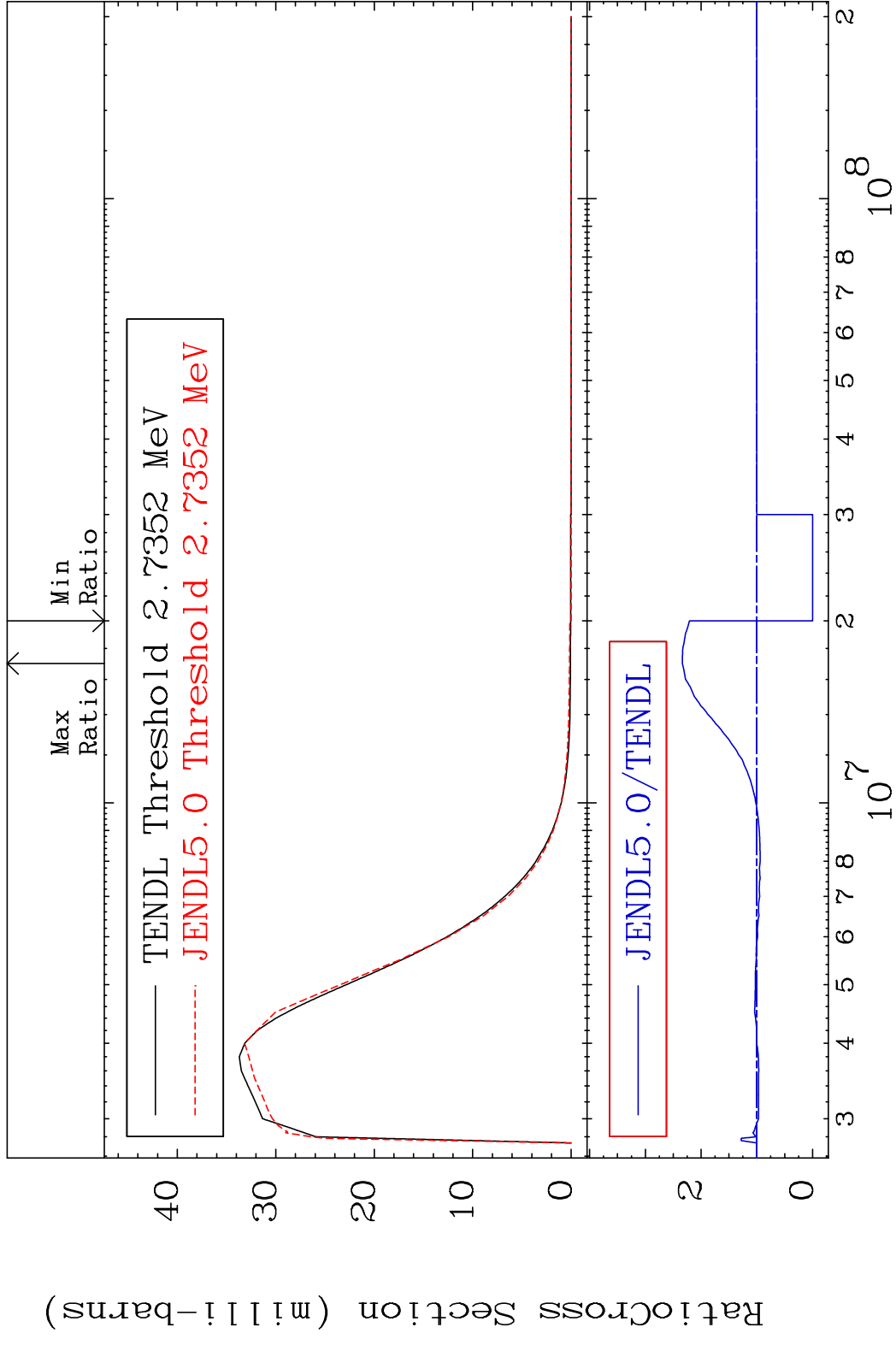
MAT 2322 MT= 76 (n,n') Level 23-V -49  
 Cross Section -100.0 To 3131. %



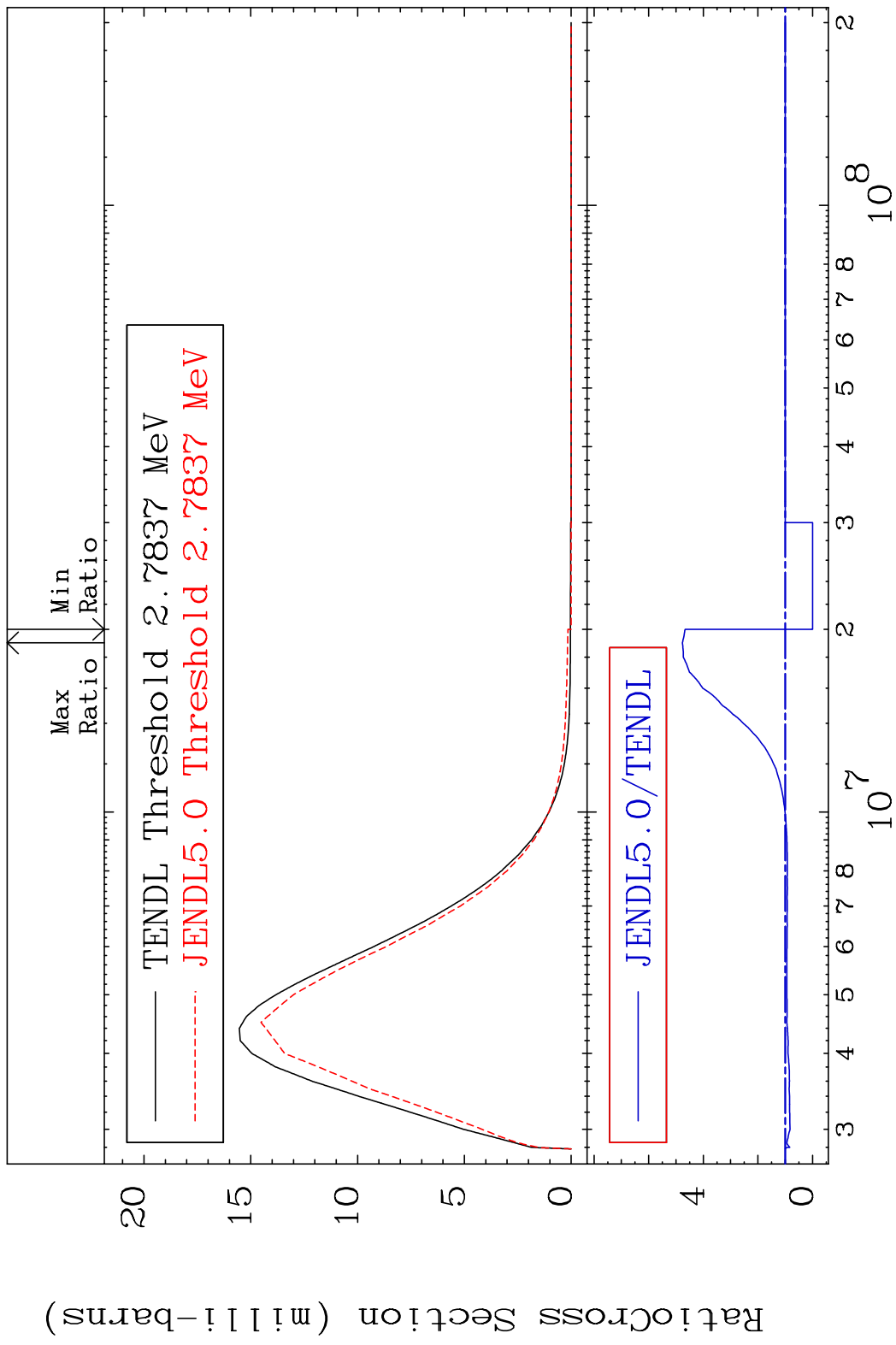
MAT 2322 MT= 77 (n,n') Level 23-V -49  
 Cross Section -100.0 To 1047. %



MAT 2322 MT= 78 (n, n') Level 23-V -49  
 Cross Section -100.0 To 133.6 %

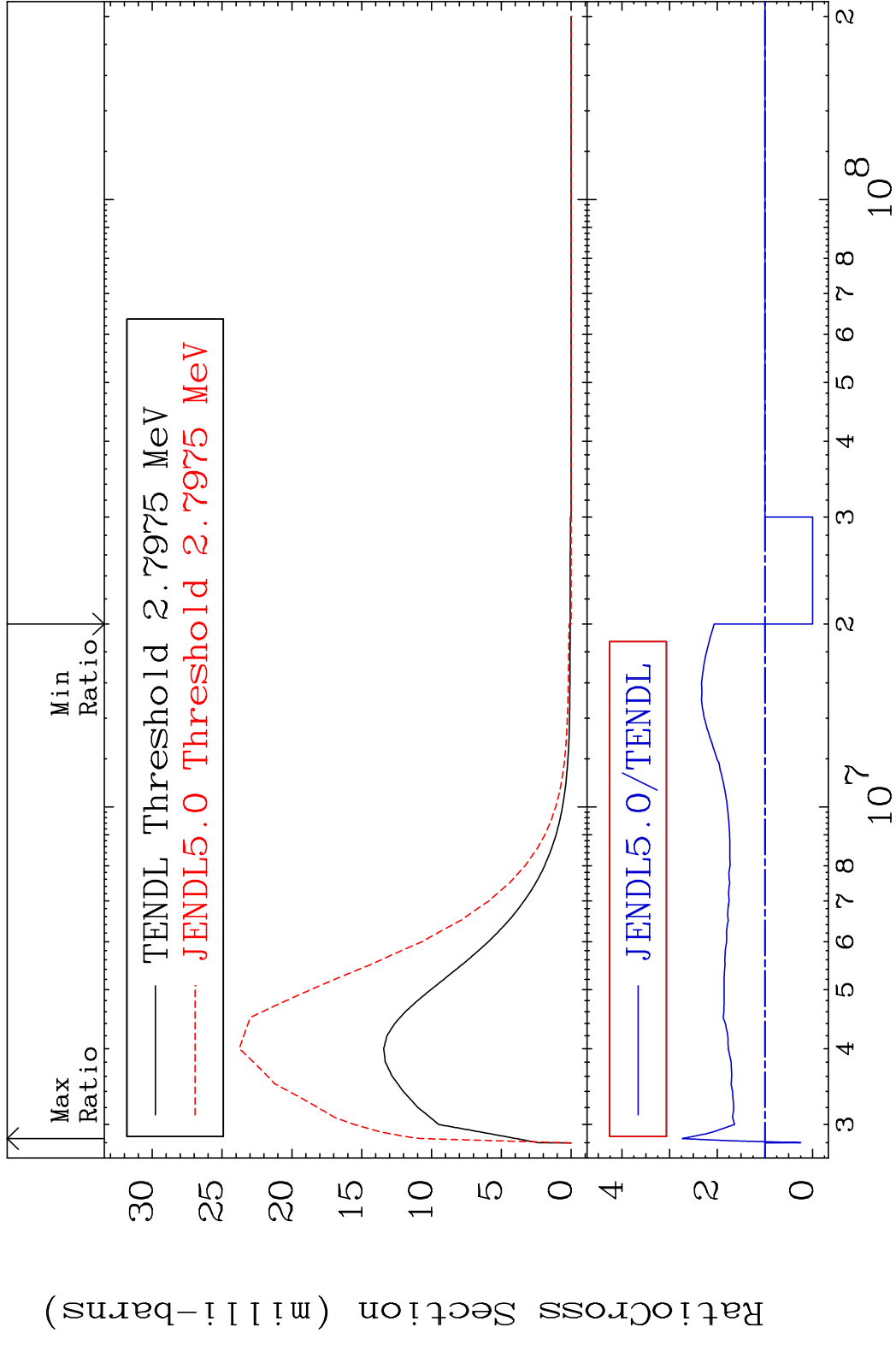


MAT 2322 MT= 79 (n, n') Level 23-V -49  
 Cross Section -100.0 To 376.7 %



38 Incident Energy (eV) 23-V -49

MAT 2322 MT= 80 (n, n') Level 23-V -49  
 Cross Section -100.0 To 173.3 %

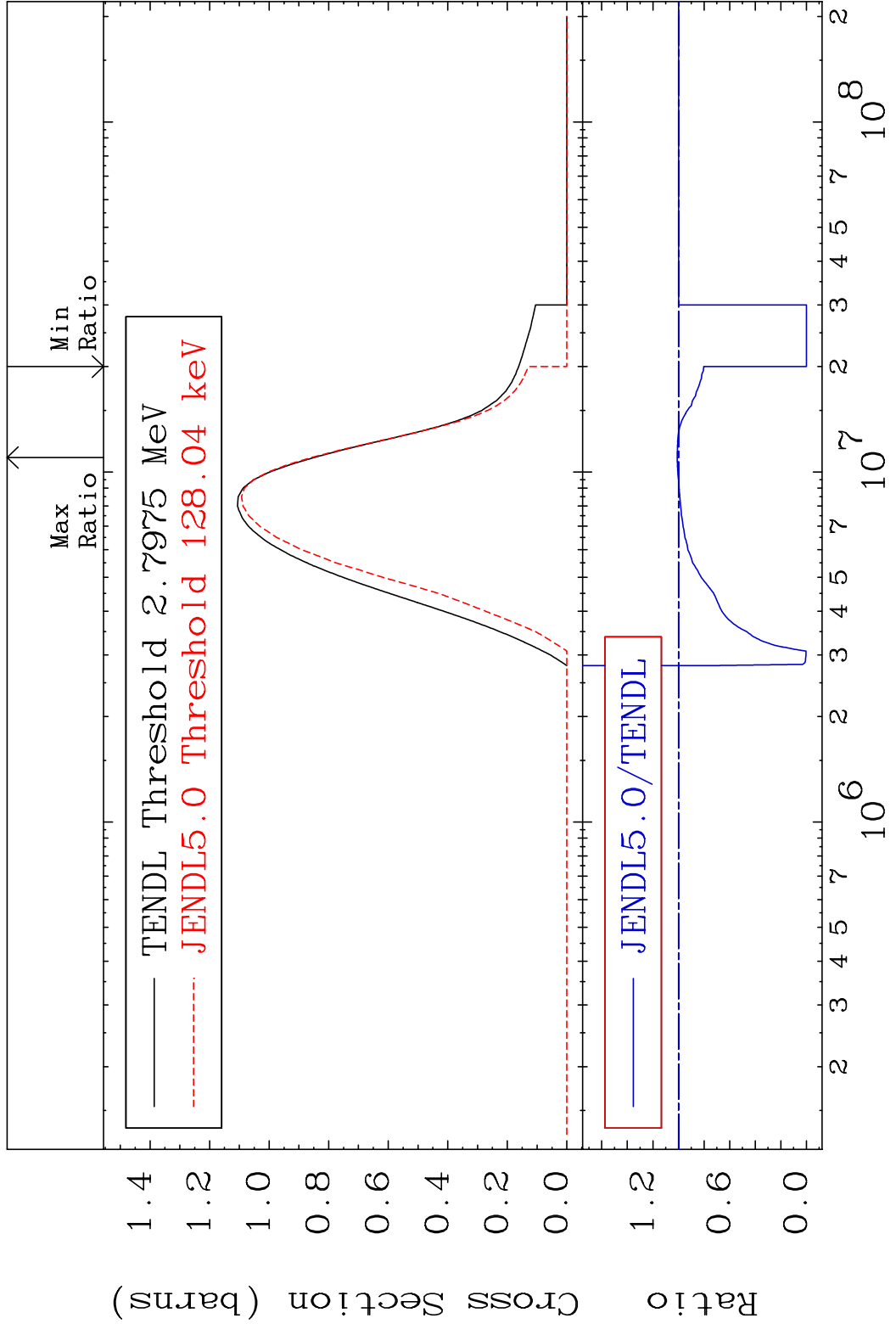




MAT 2322

(n, n') Continuum  
Cross Section -100.0 To 1.012 %

23-V -49



40

Incident Energy (eV)

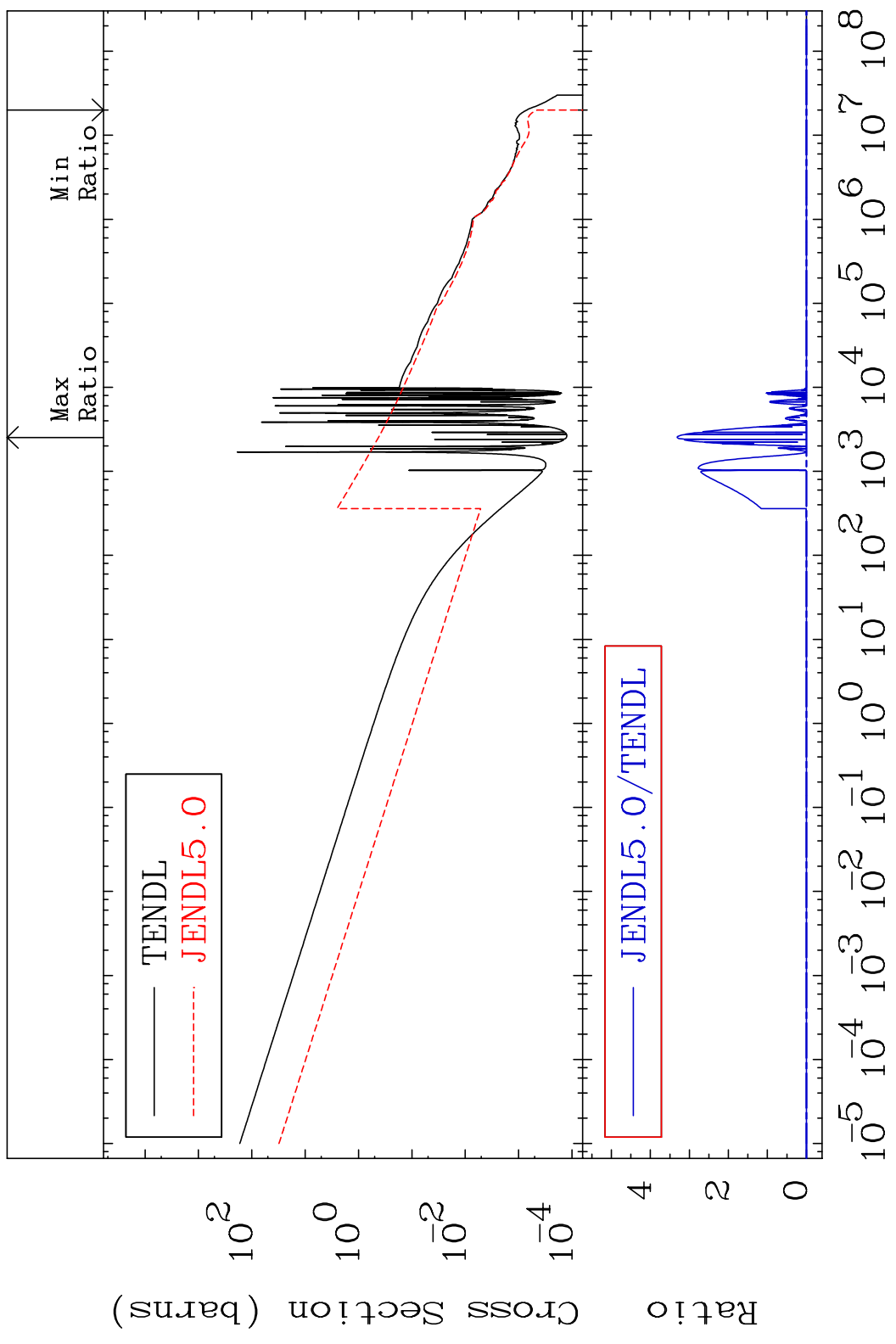
23-V -49

MAT 2322

(n,  $\gamma$ )

23-V -49

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

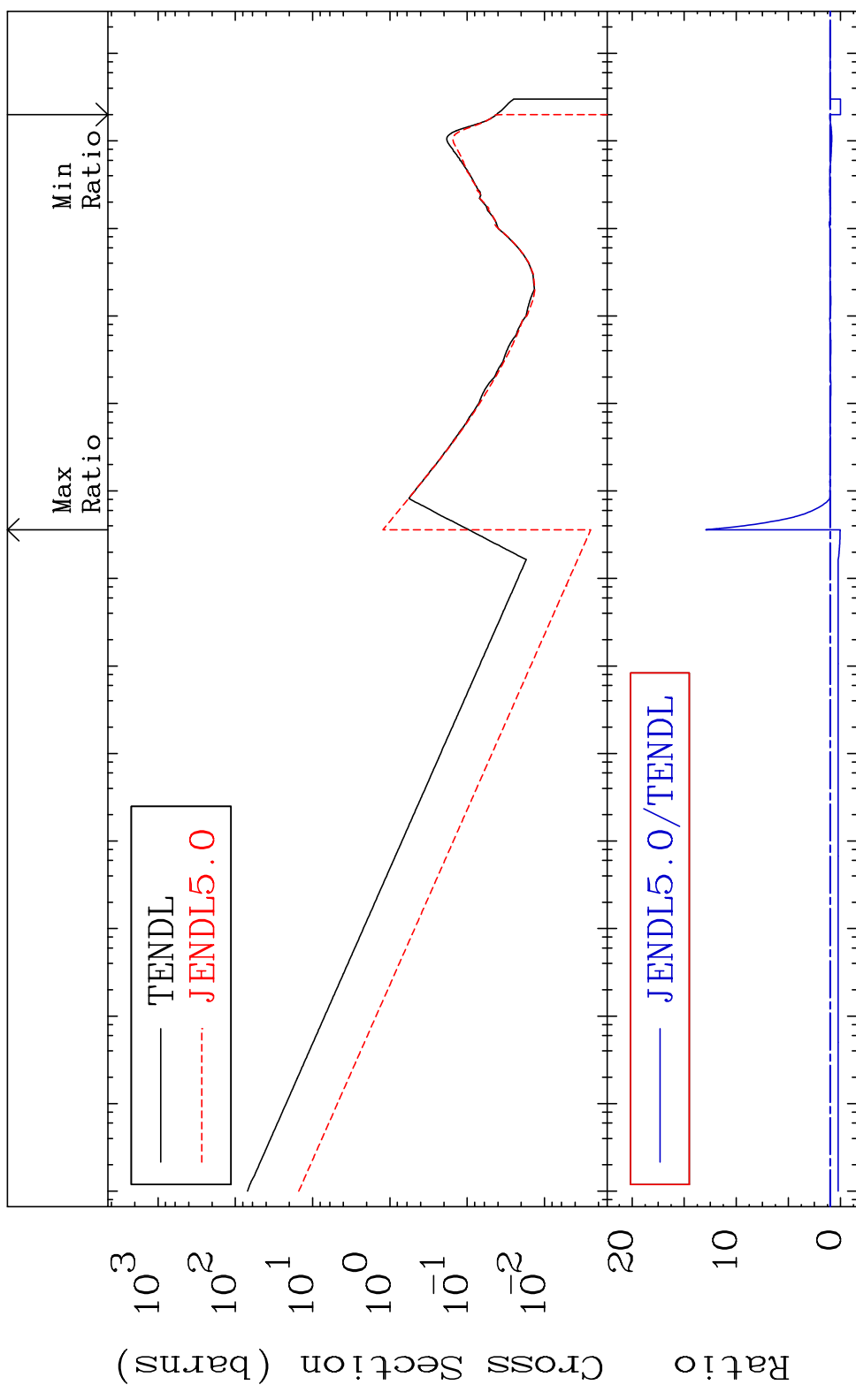
23-V -49

MAT 2322

(n, p)

23-V -49

Cross Section -100.0 To 1193. %



42

Incident Energy (eV)

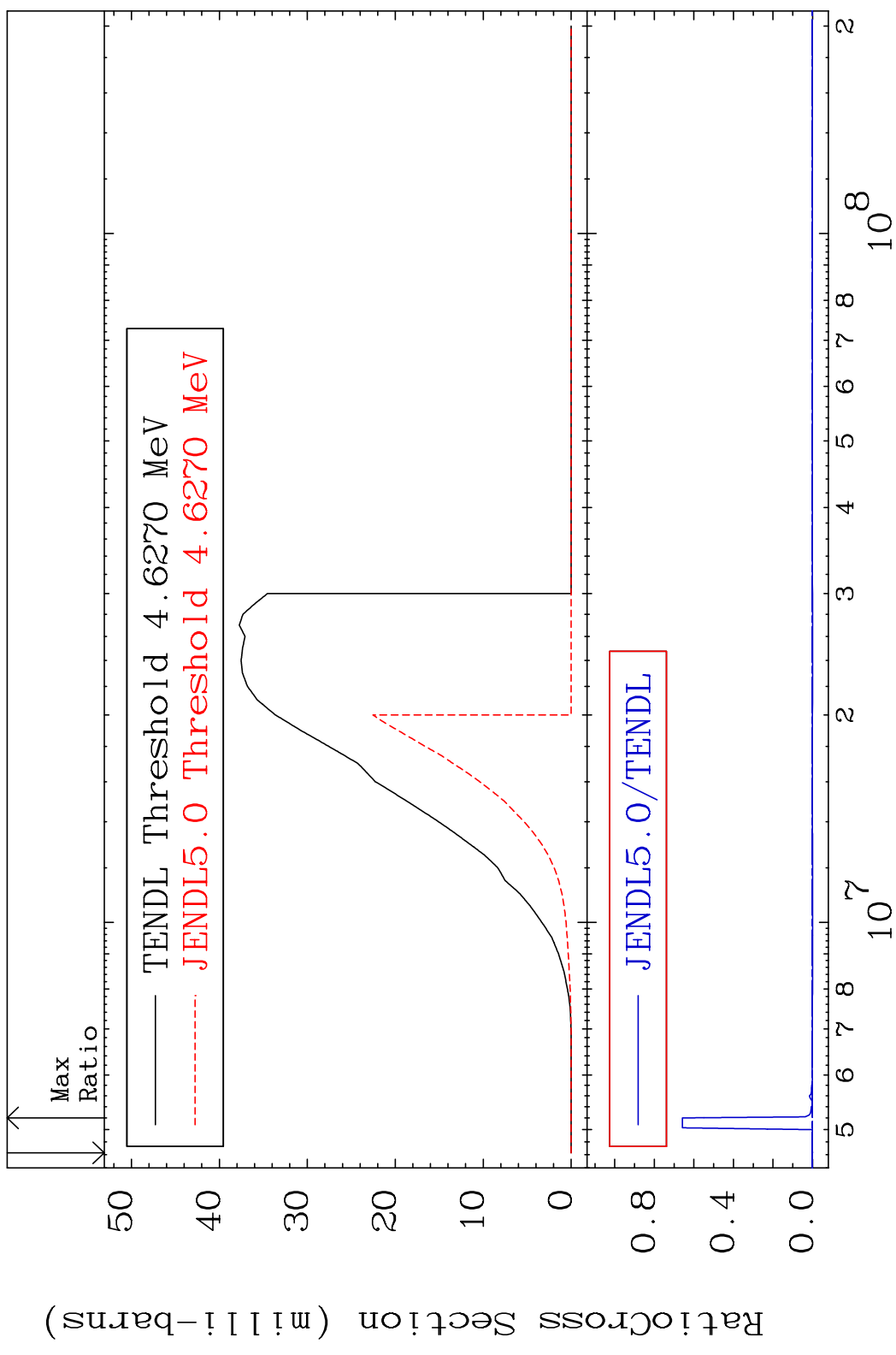
23-V -49

MAT 2322

(n,d)

23-V -49

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

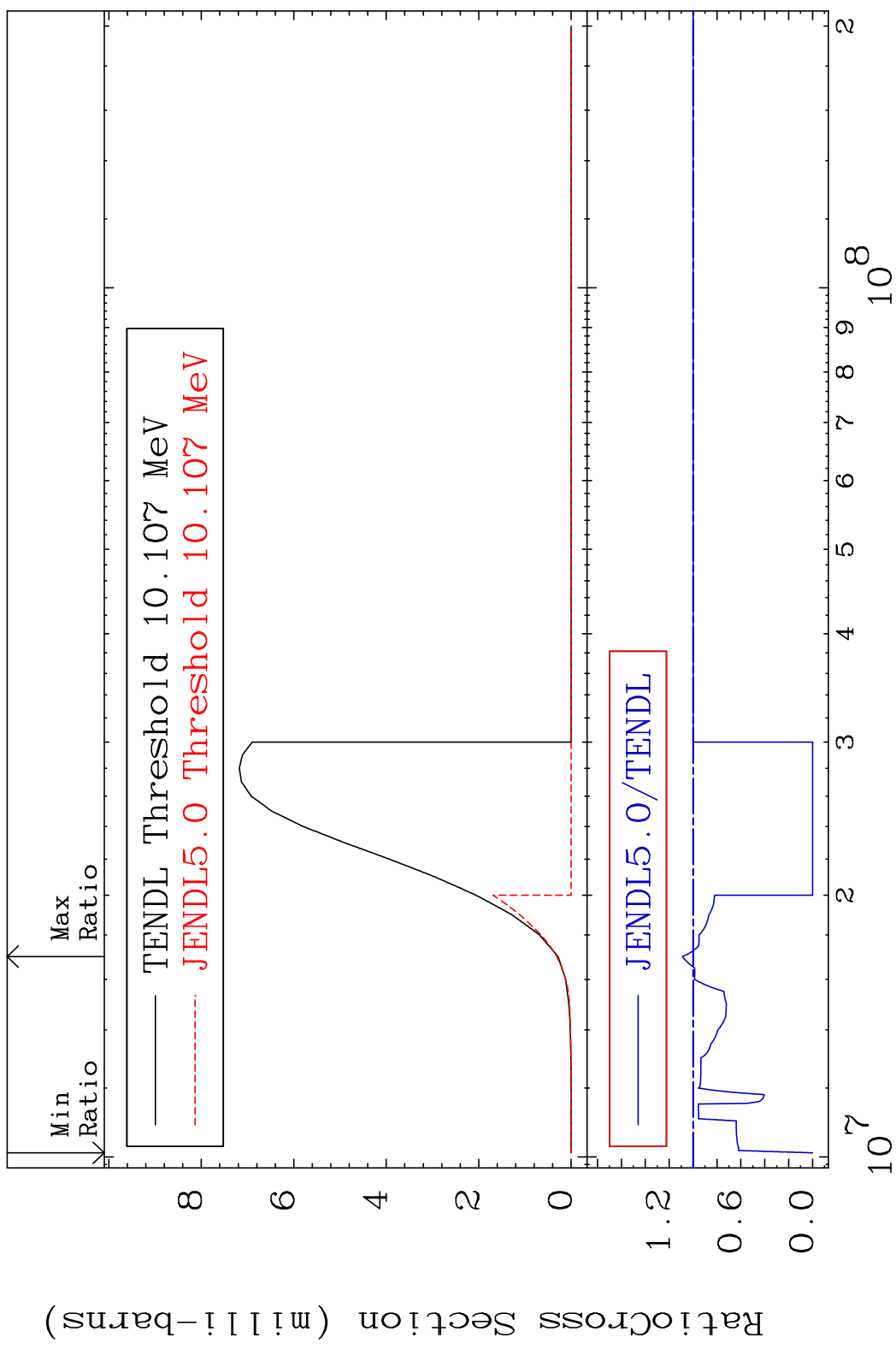
23-V -49

MAT 2322

(n, t)

23-V -49

Cross Section -100.0 To 8.990 %



44

Incident Energy (eV)

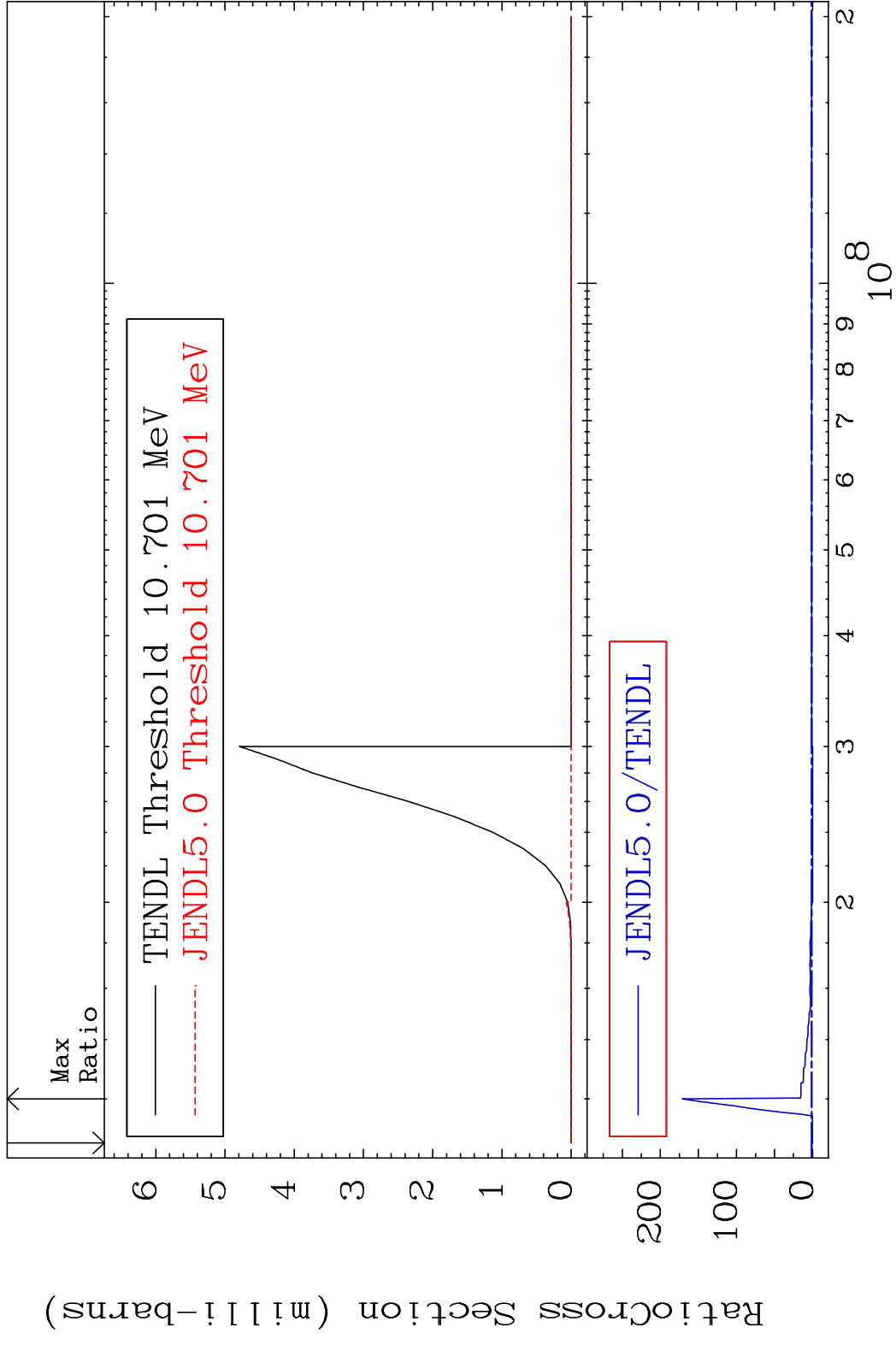
23-V -49

MAT 2322

(n, He-3)

23-V -49

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

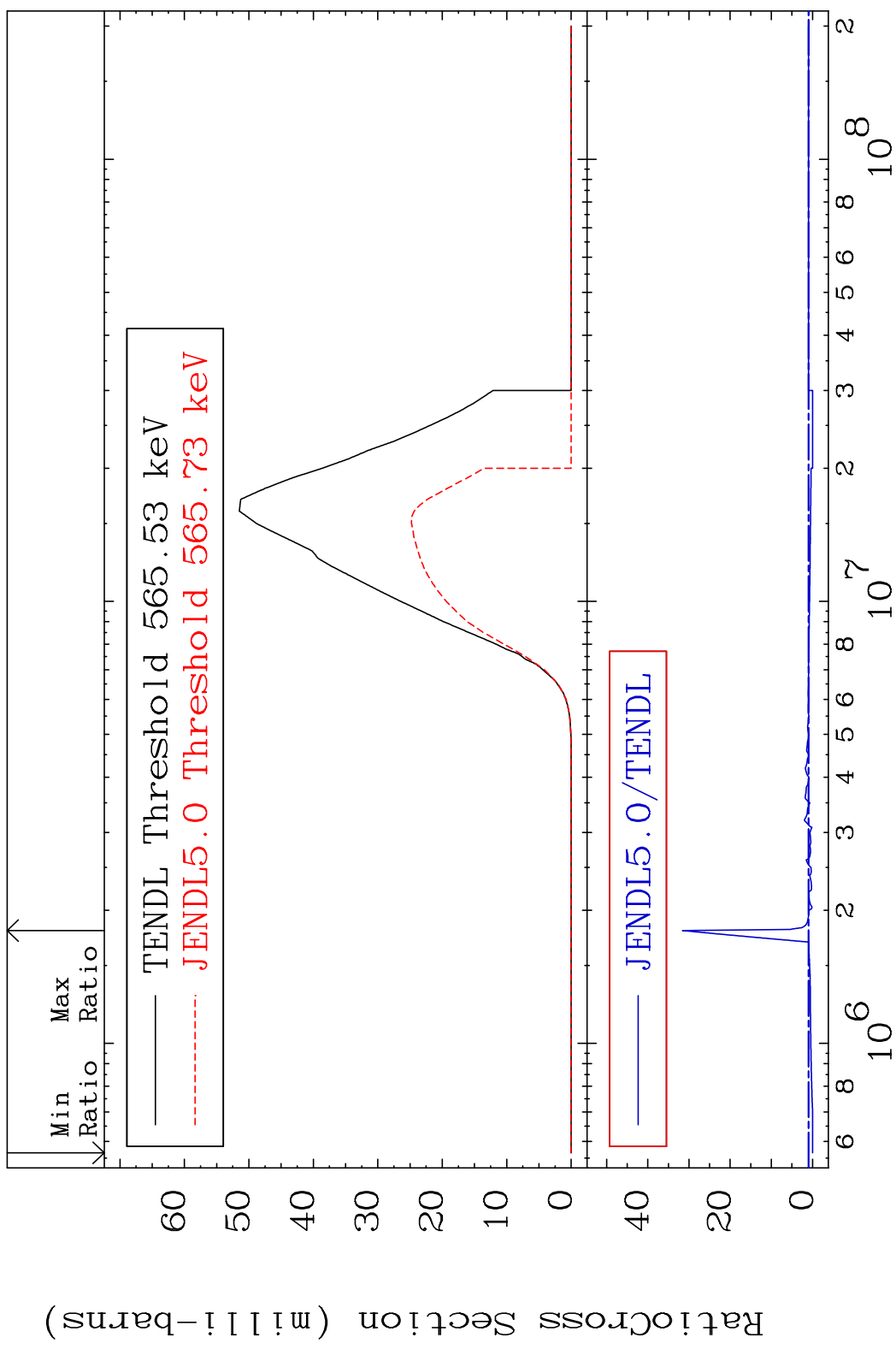
23-V -49

MAT 2322

(n,  $\alpha$ )

23-V -49

Cross Section -100.0 To 3061. %



46

Incident Energy (eV)

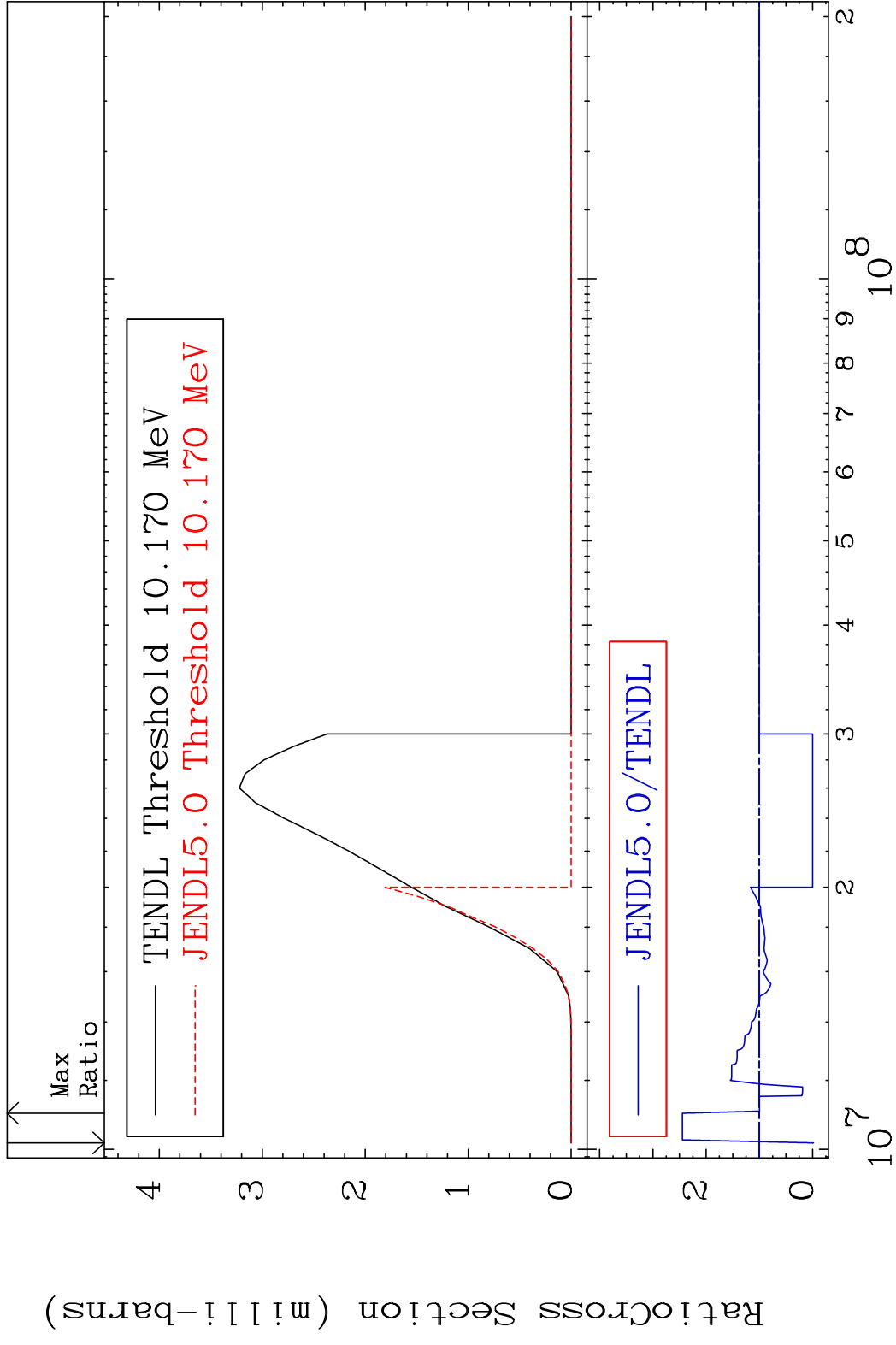
23-V -49

MAT 2322

(n,2p)

23-V -49

Cross Section -100.0 To 144.7 %



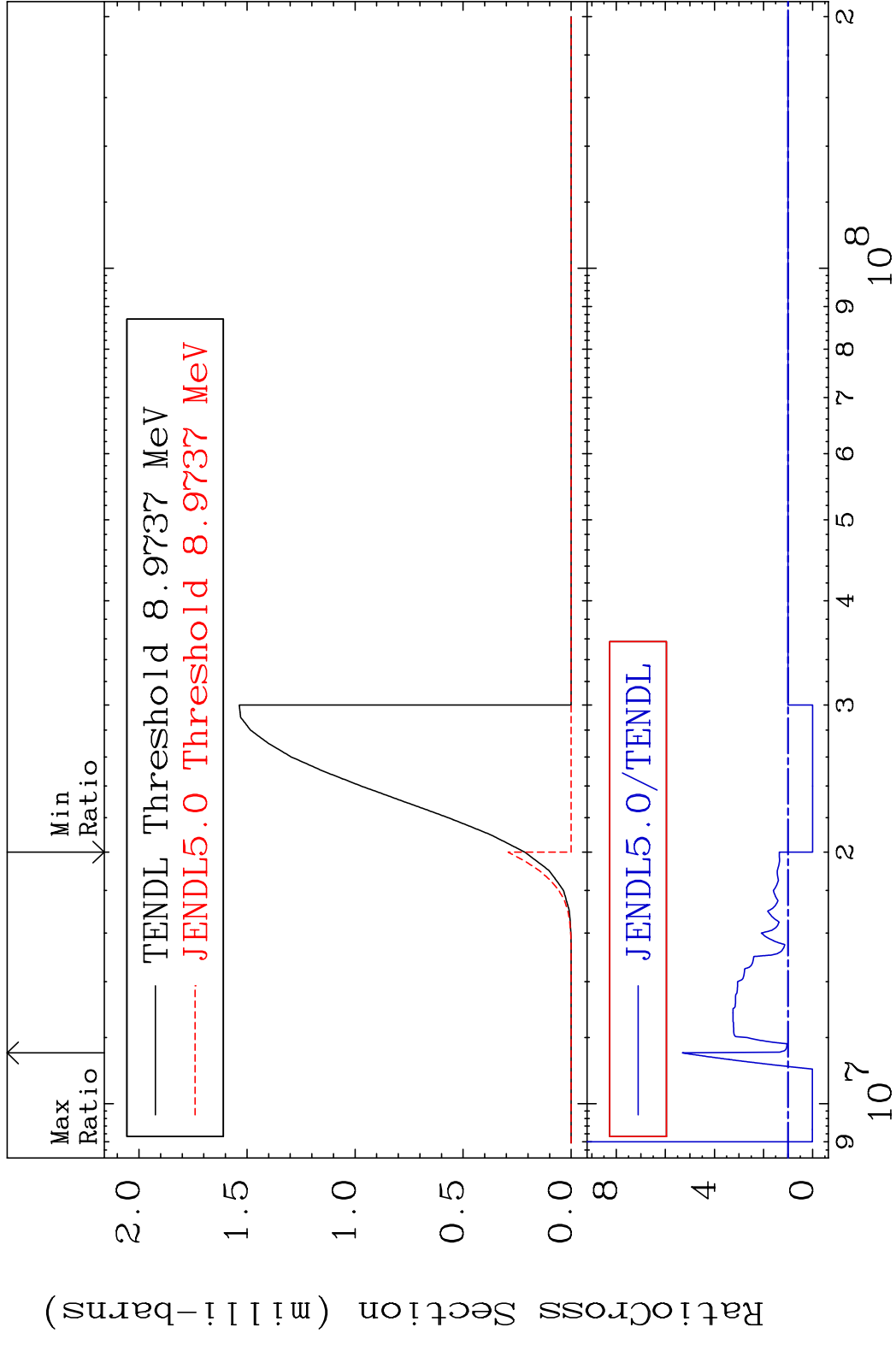
47

Incident Energy (eV)

23-V -49



MAT 2322 (n,p)  $\alpha$  23-V -49  
 Cross Section -100.0 To 430.8 %

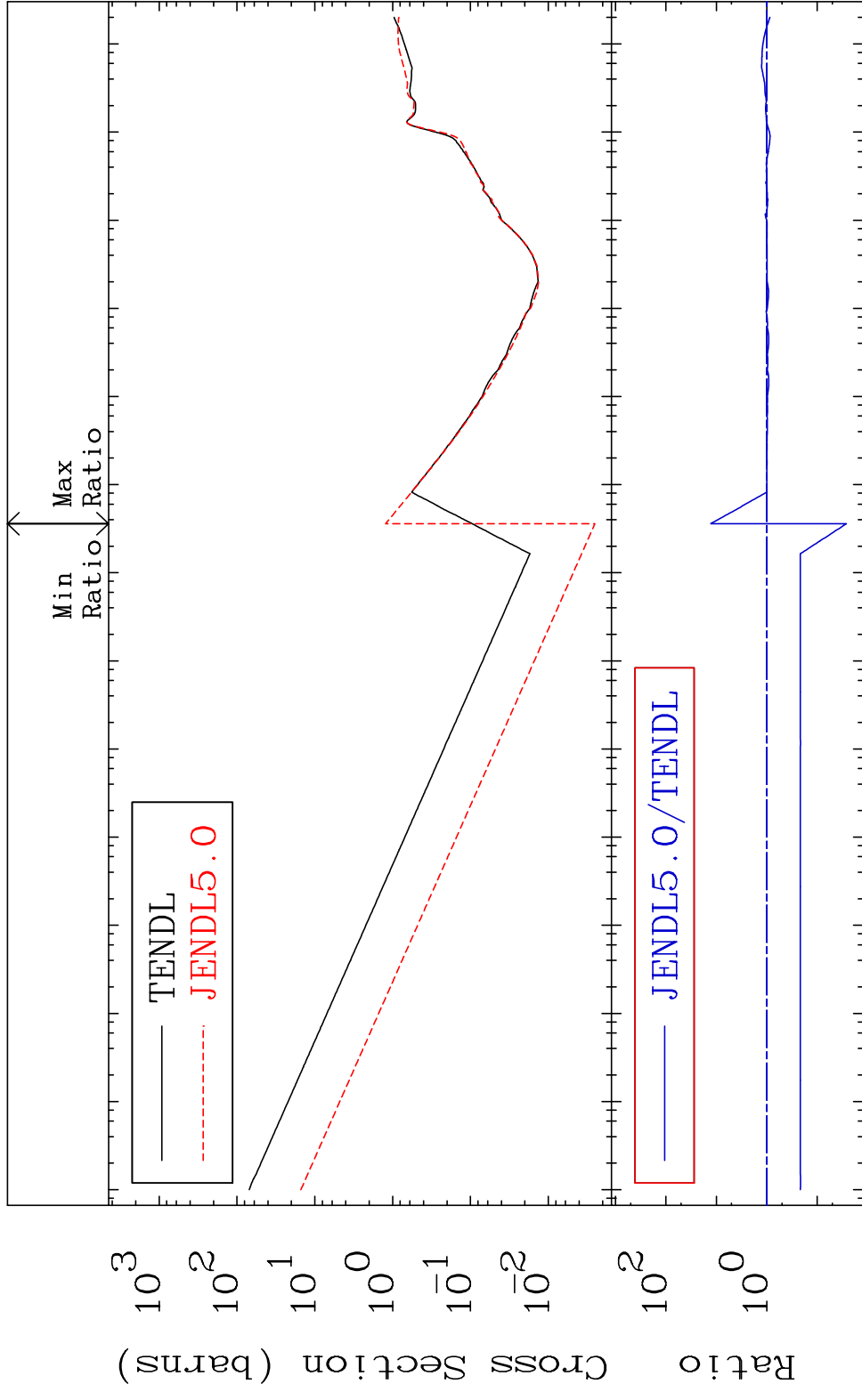


48 23-V -49

MAT 2322

Hydrogen Production  
Cross Section -97.35 To 1193. %

23-V -49



49

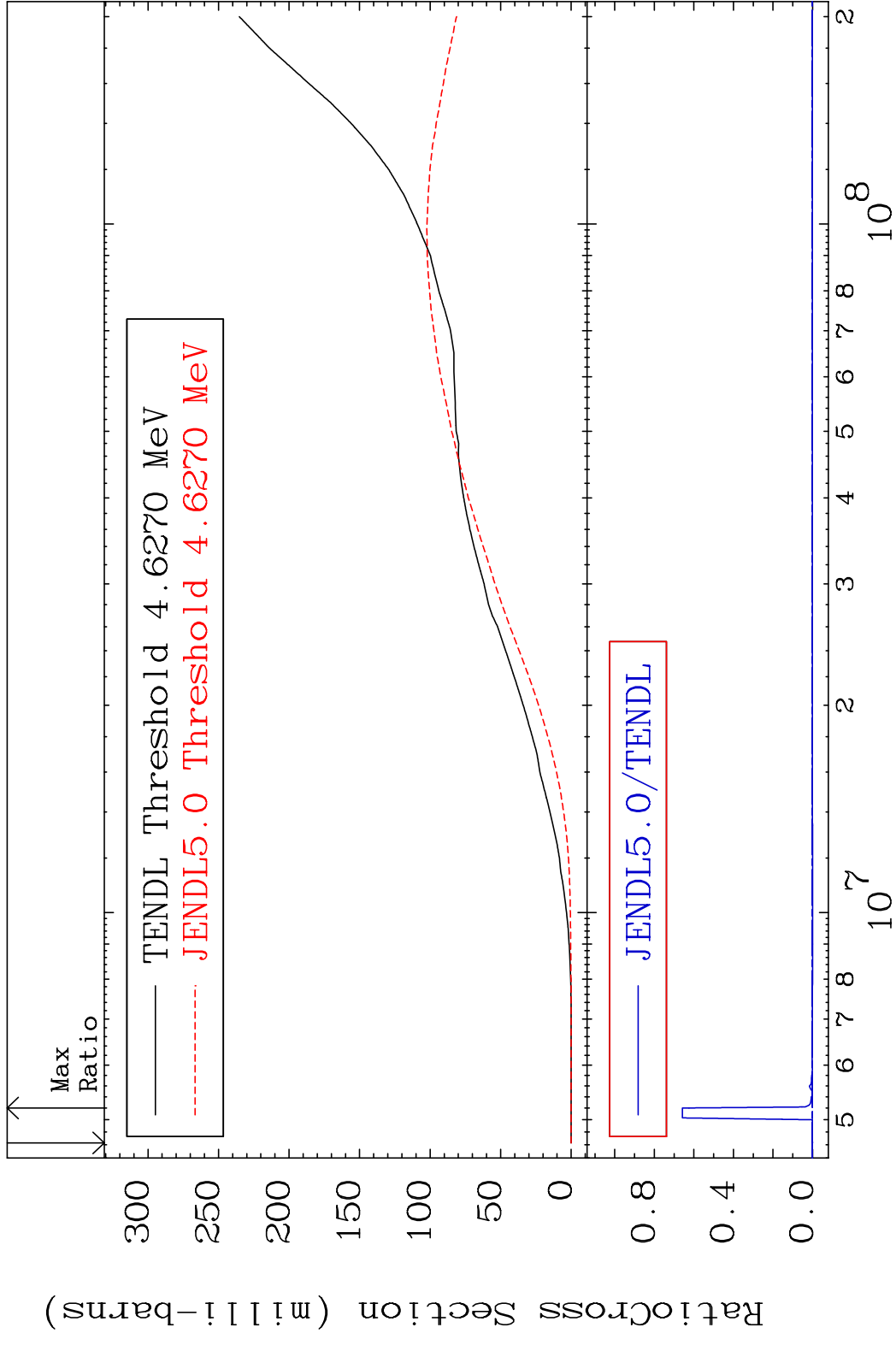
Incident Energy (eV)

23-V -49

MAT 2322

Deuterium Production 23-V -49

Cross Section -100.0 To 9999. %



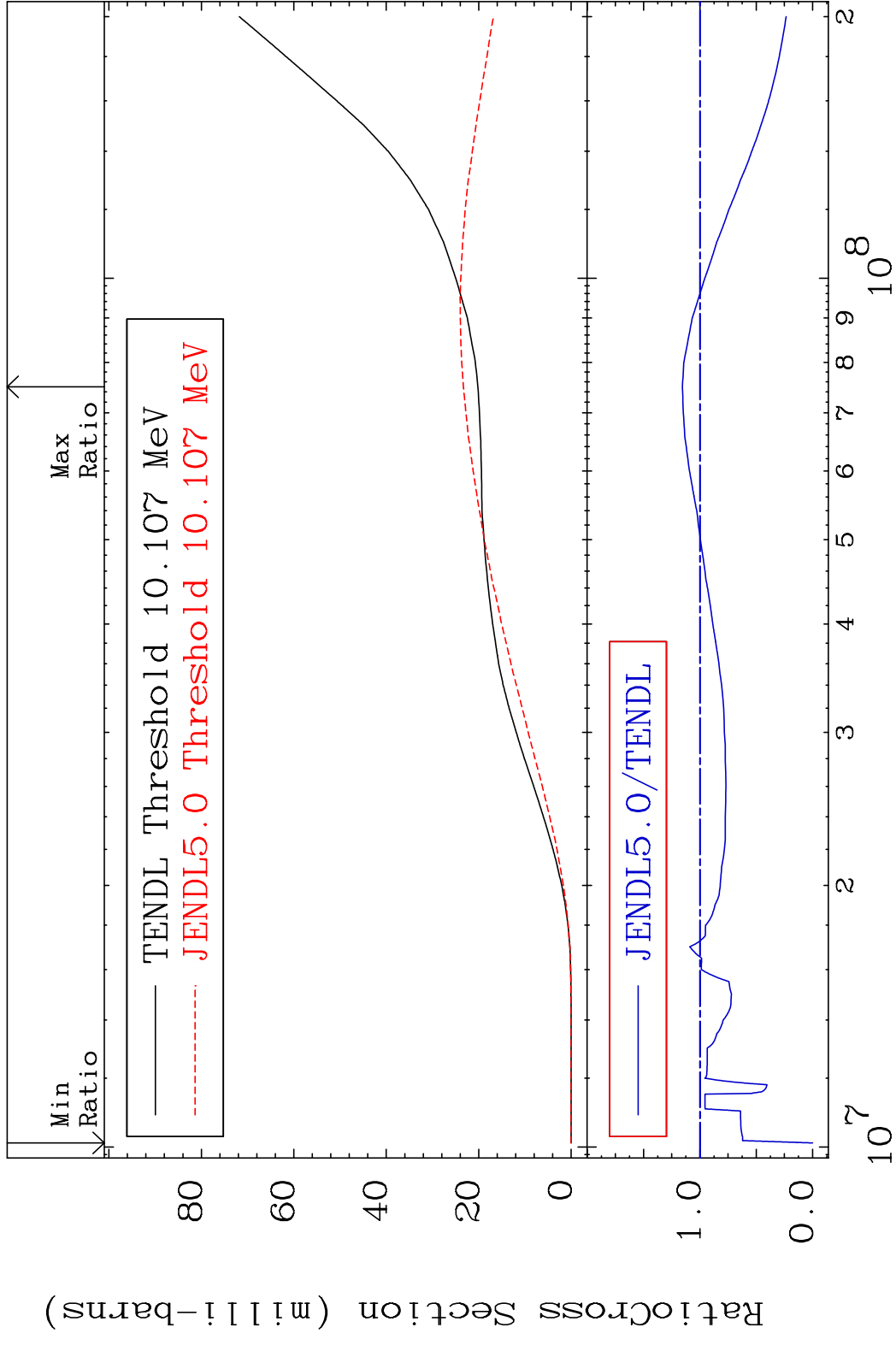
50

Incident Energy (eV) 23-V -49

MAT 2322

Tritium Production  
Cross Section -100.0 To 15.59 %

23-V -49

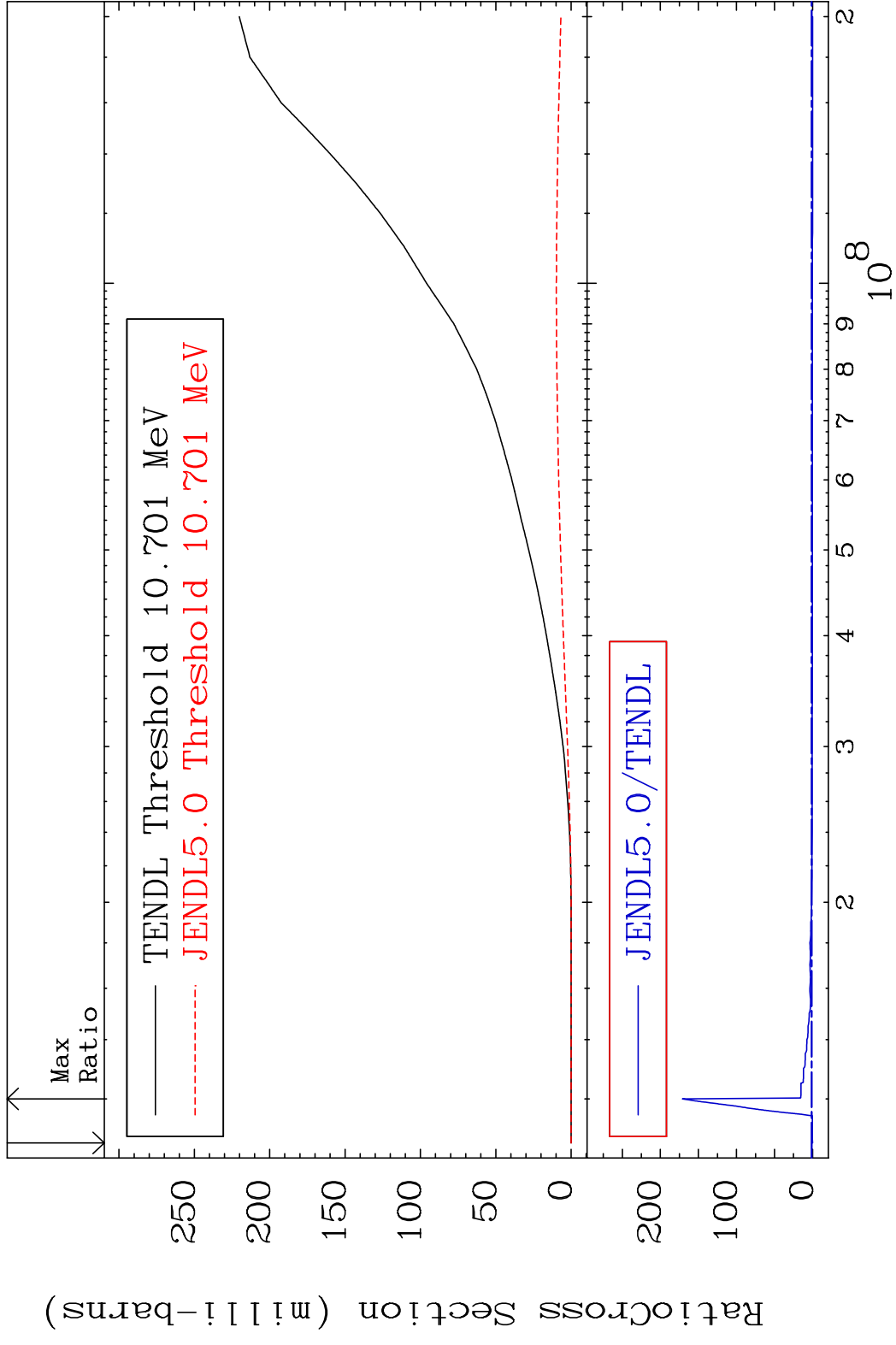


51

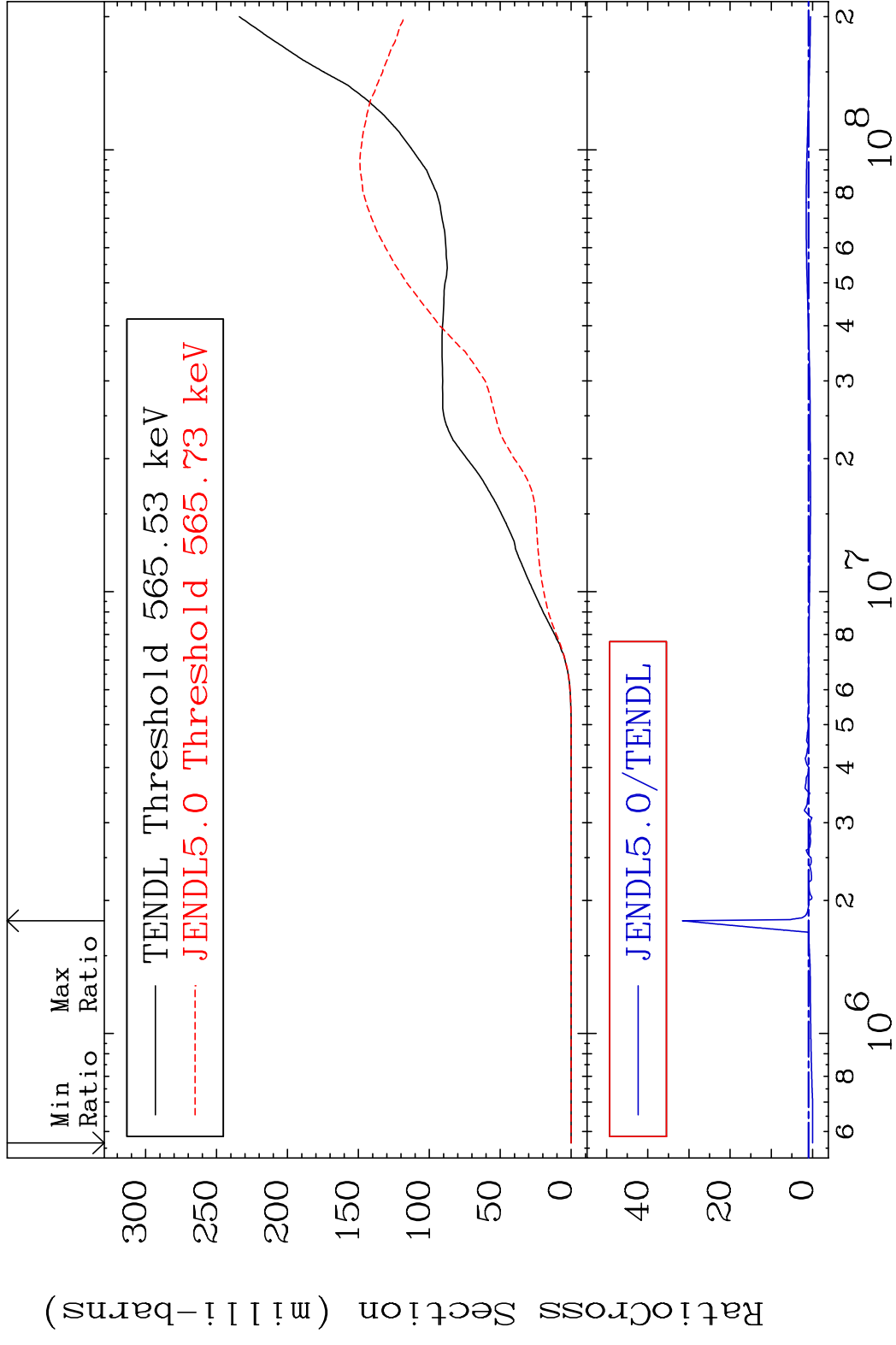
Incident Energy (eV)

23-V -49

MAT 2322 He-3 Production 23-V -49  
 Cross Section -100.0 To 9999. %

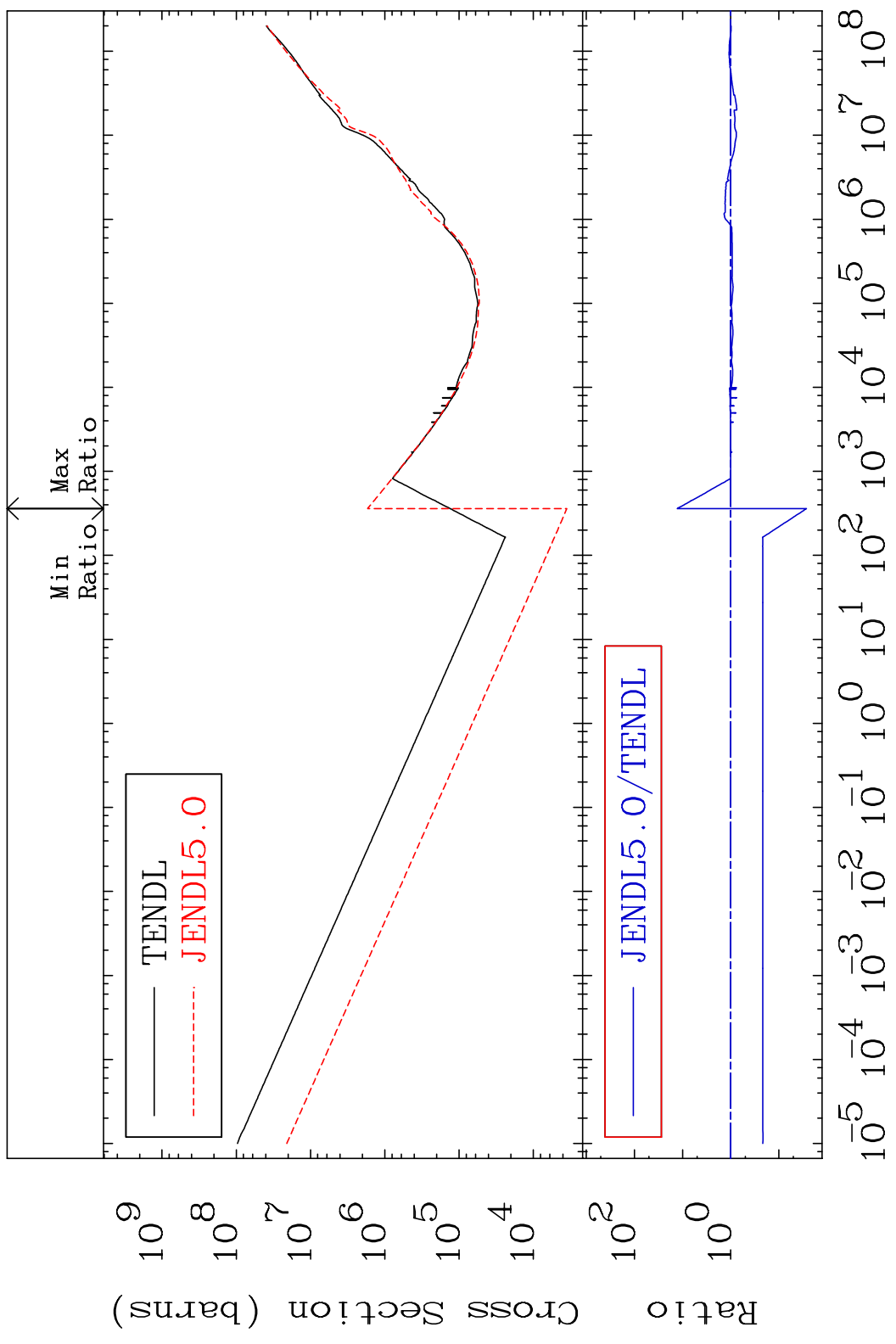


Cross Section -100.0 To 3061. %



MAT 2322

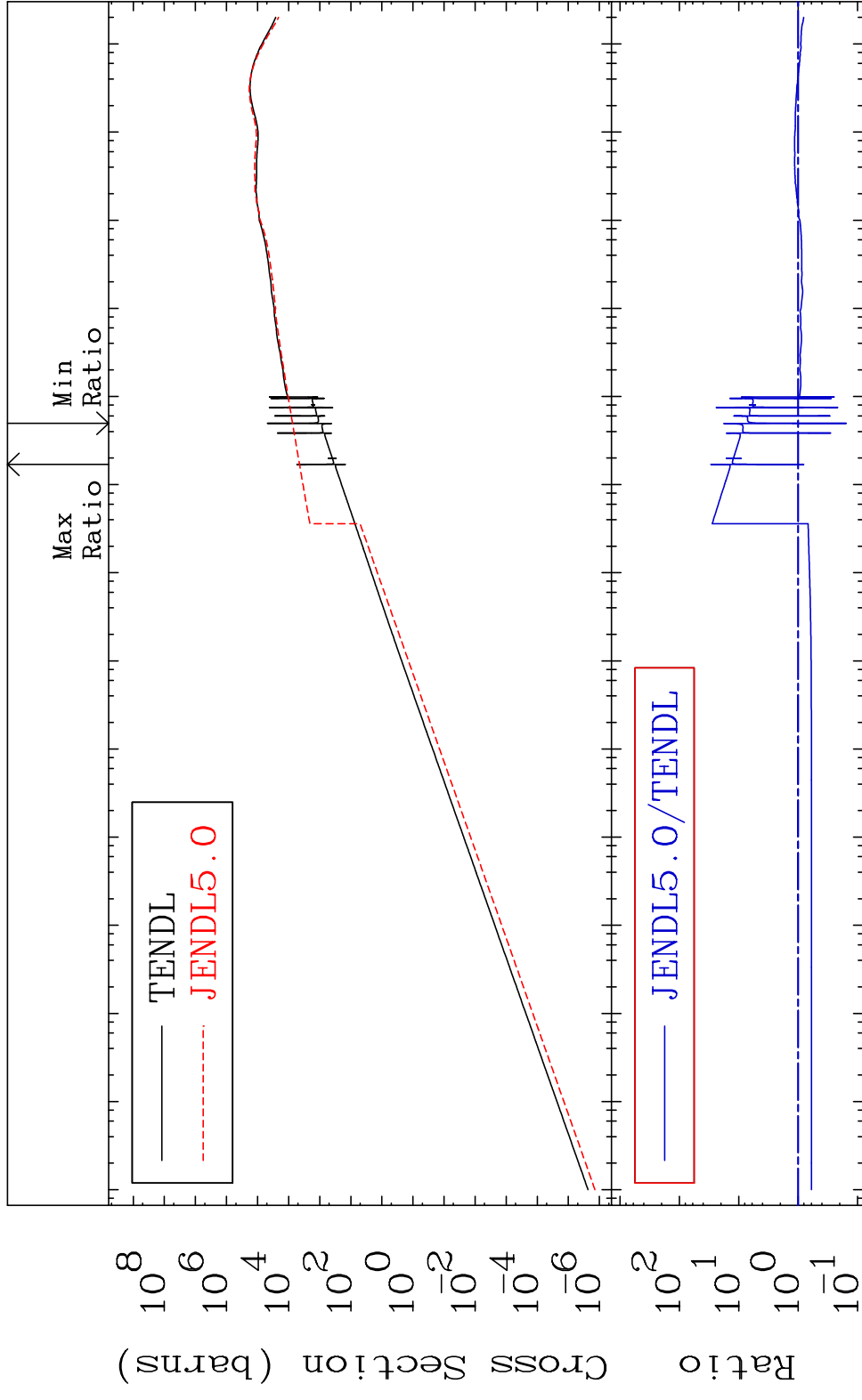
Kerma total (eV-barns) 23-V -49  
Cross Section -97.31 To 1194. %



MAT 2322

Kerma elastic  
Cross Section

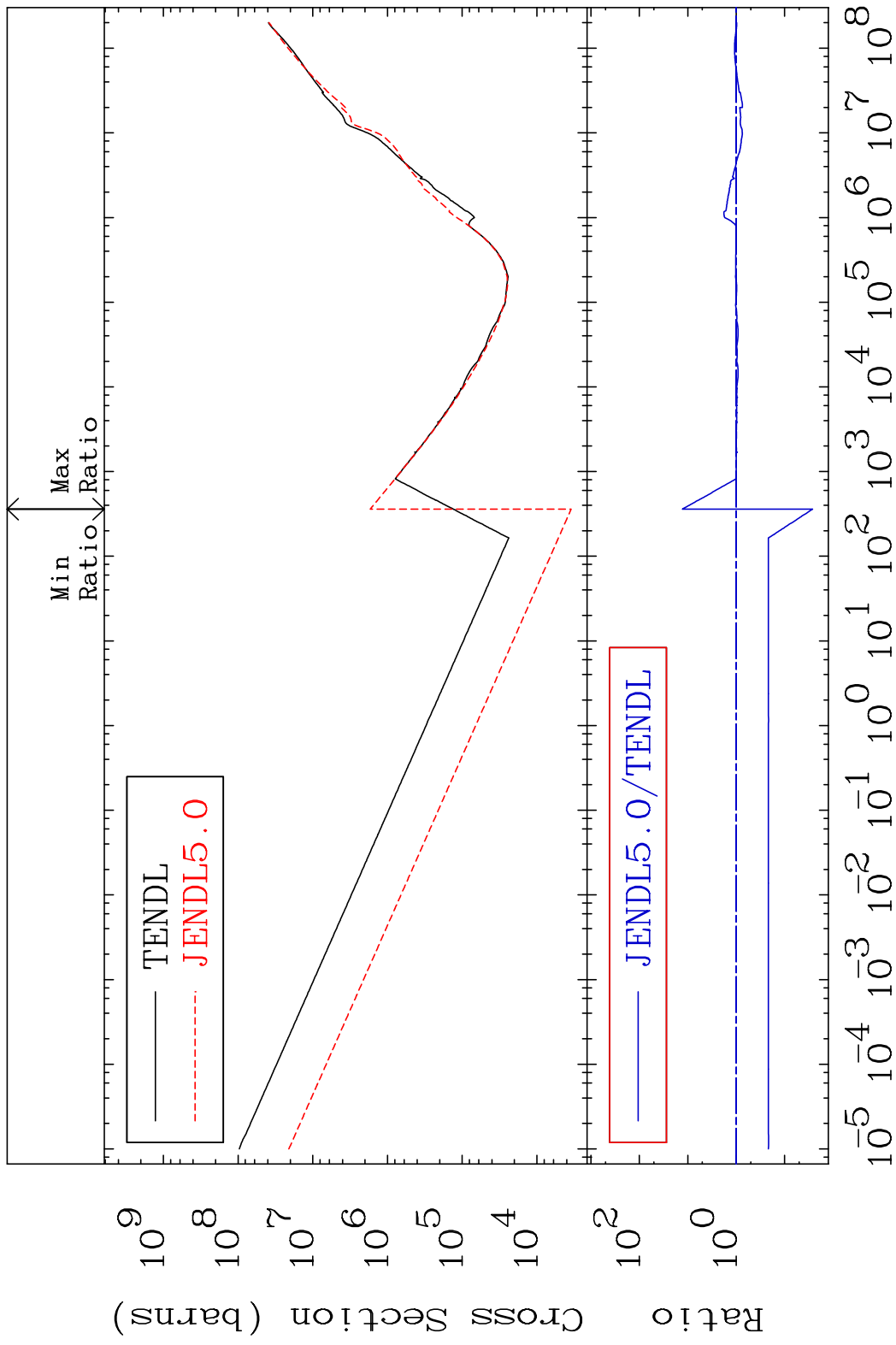
23-V -49  
-84.52 To 2877. %



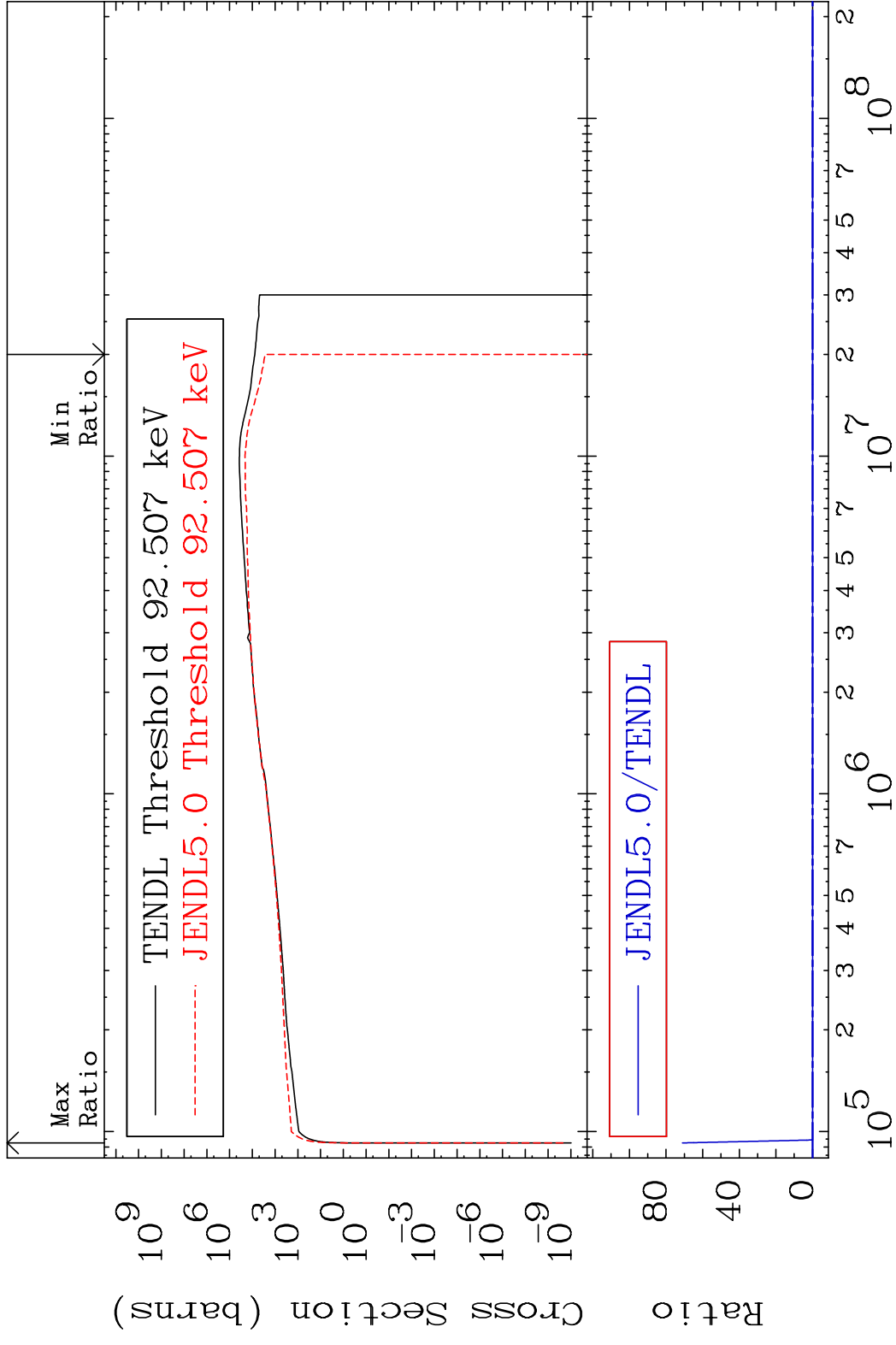
Incident Energy (eV) 23-V -49



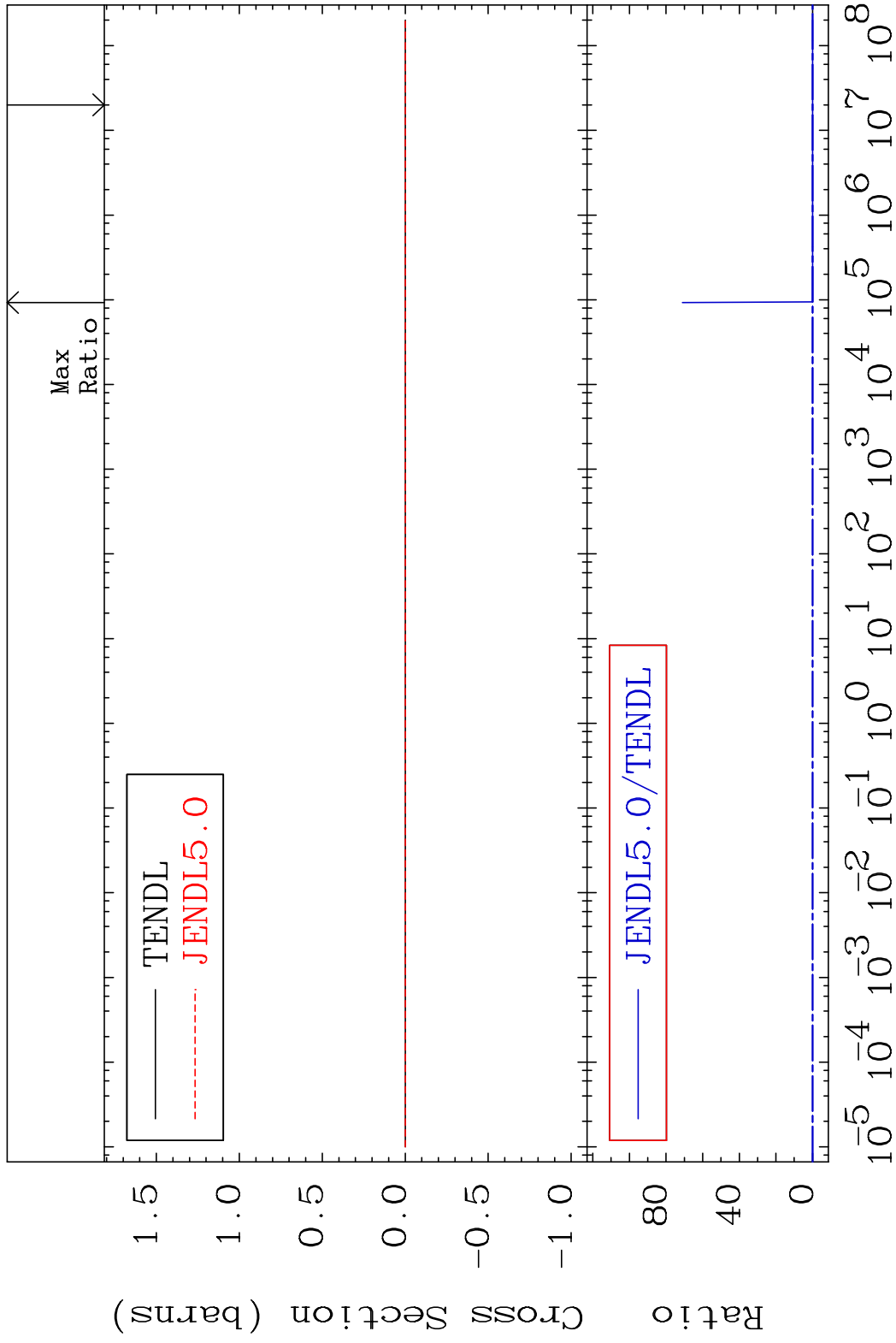
MAT 2322 Kerma non-elastic (all but mt2) 23-V -49  
 Cross Section -97.35 To 1193. %



MAT 2322 Kerma inelastic (mt51-91) 23-V -49  
 Cross Section -100.0 To 9999. %

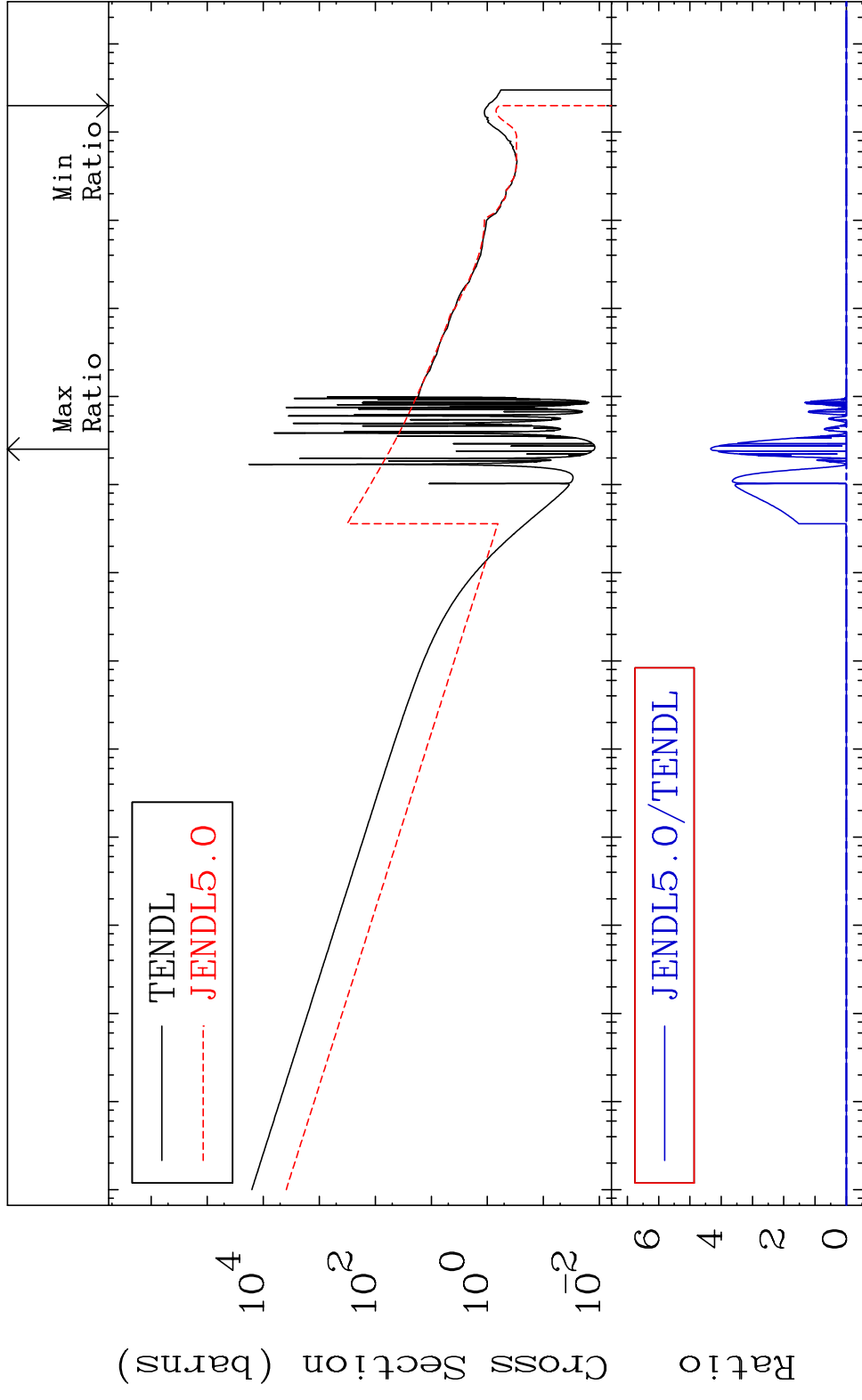


MAT 2322 Kerma fission (mt18 or mt19-20-21-38) 23-V -49  
 Cross Section -100.0 To 9999. %



MAT 2322

Kerma capture (mt102) 23-V -49  
Cross Section -100.0 To 9999. %



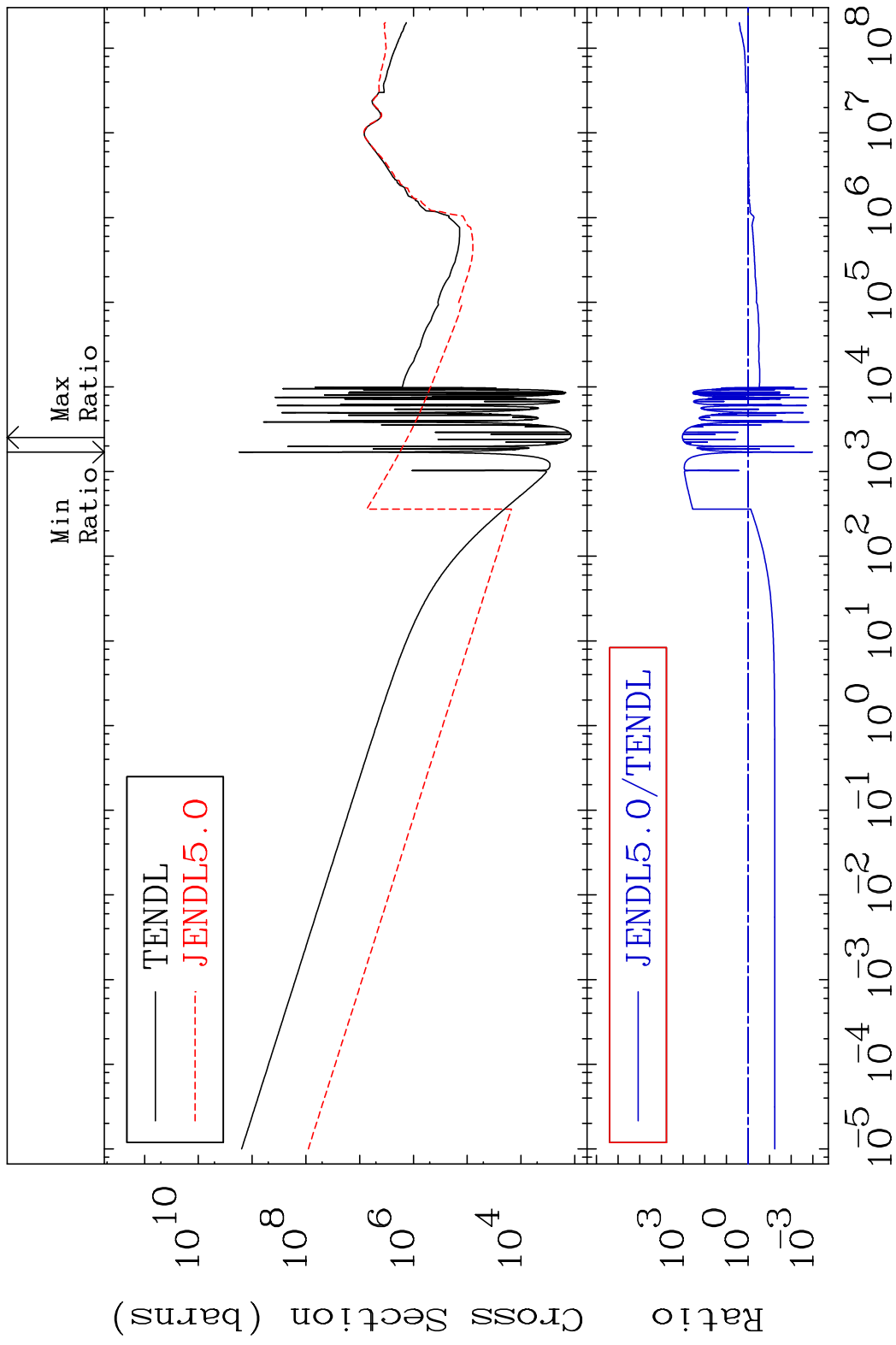
Ratio  
6  
4  
2  
0

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>

59

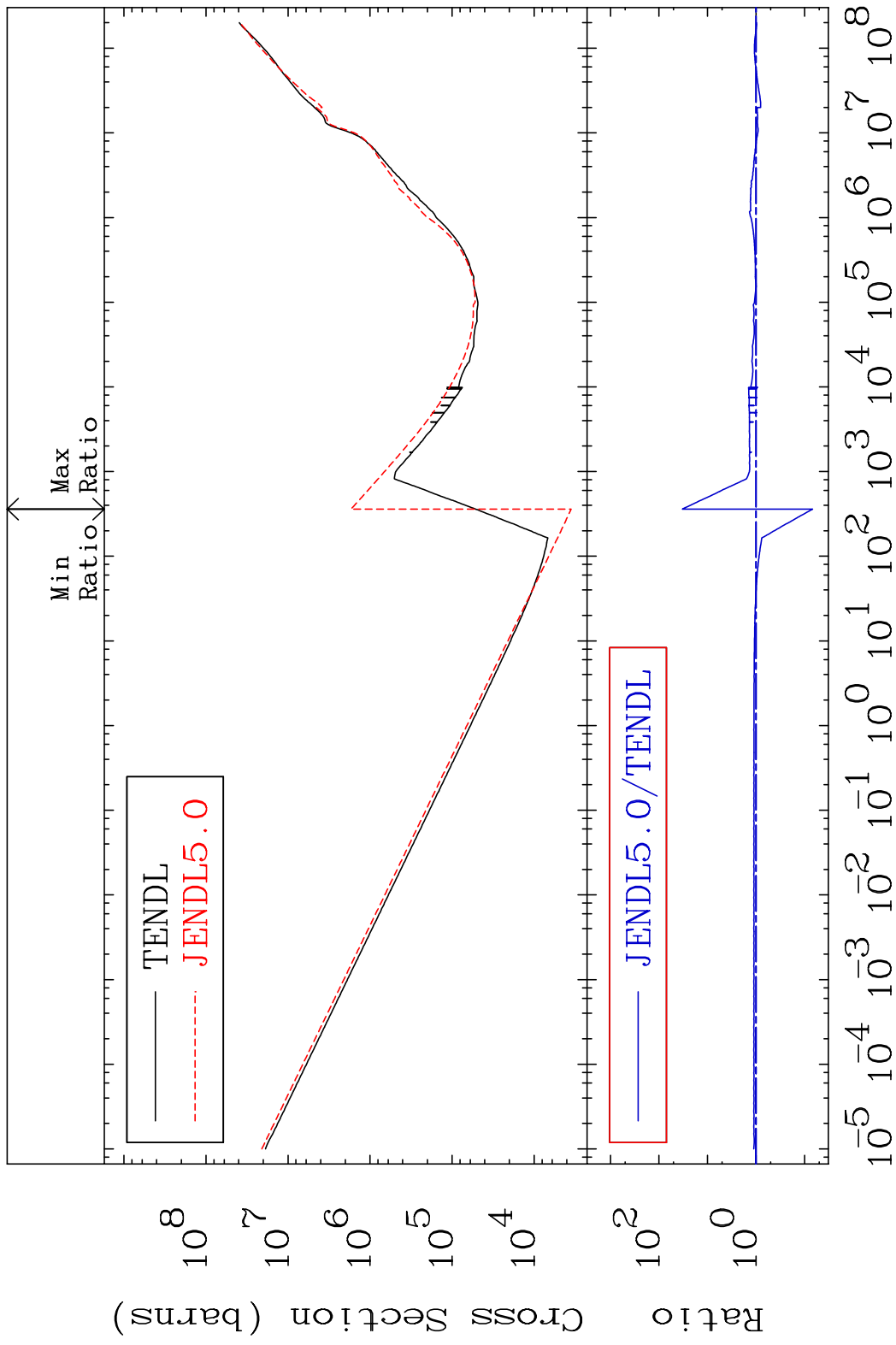
Incident Energy (eV) 23-V -49

MAT 2322 Total photon (eV-barns) 23-V -49  
Cross Section -99.90 To 9999. %



60 Incident Energy (eV) 23-V -49

MAT 2322 Total kinematic kerma (high limit) 23-V -49  
 Cross Section -93.15 To 3201. %

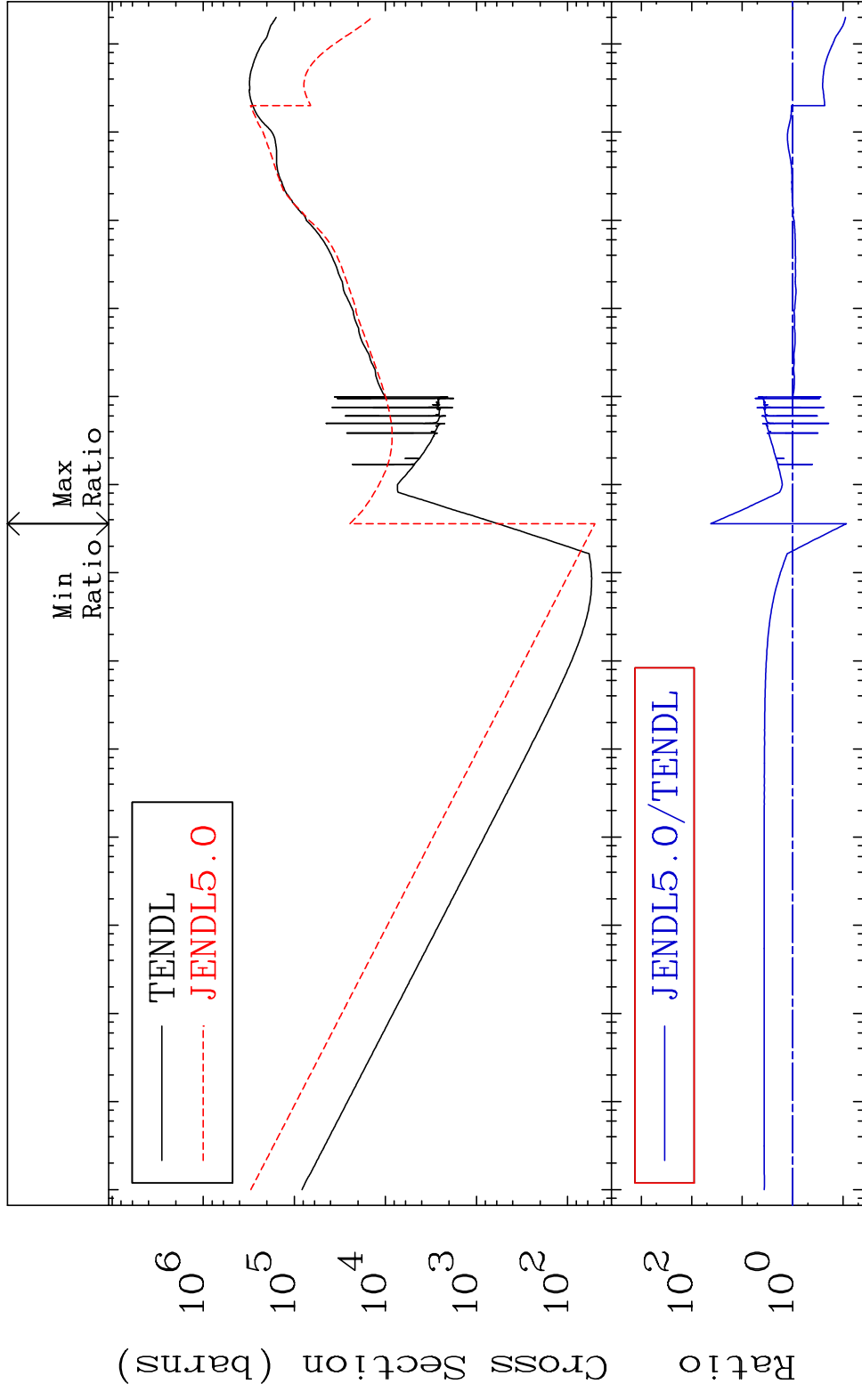


MAT 2322

Dpa total (eV-barns)

23-V -49

Cross Section -91.39 To 4101. %



62

Incident Energy (eV)

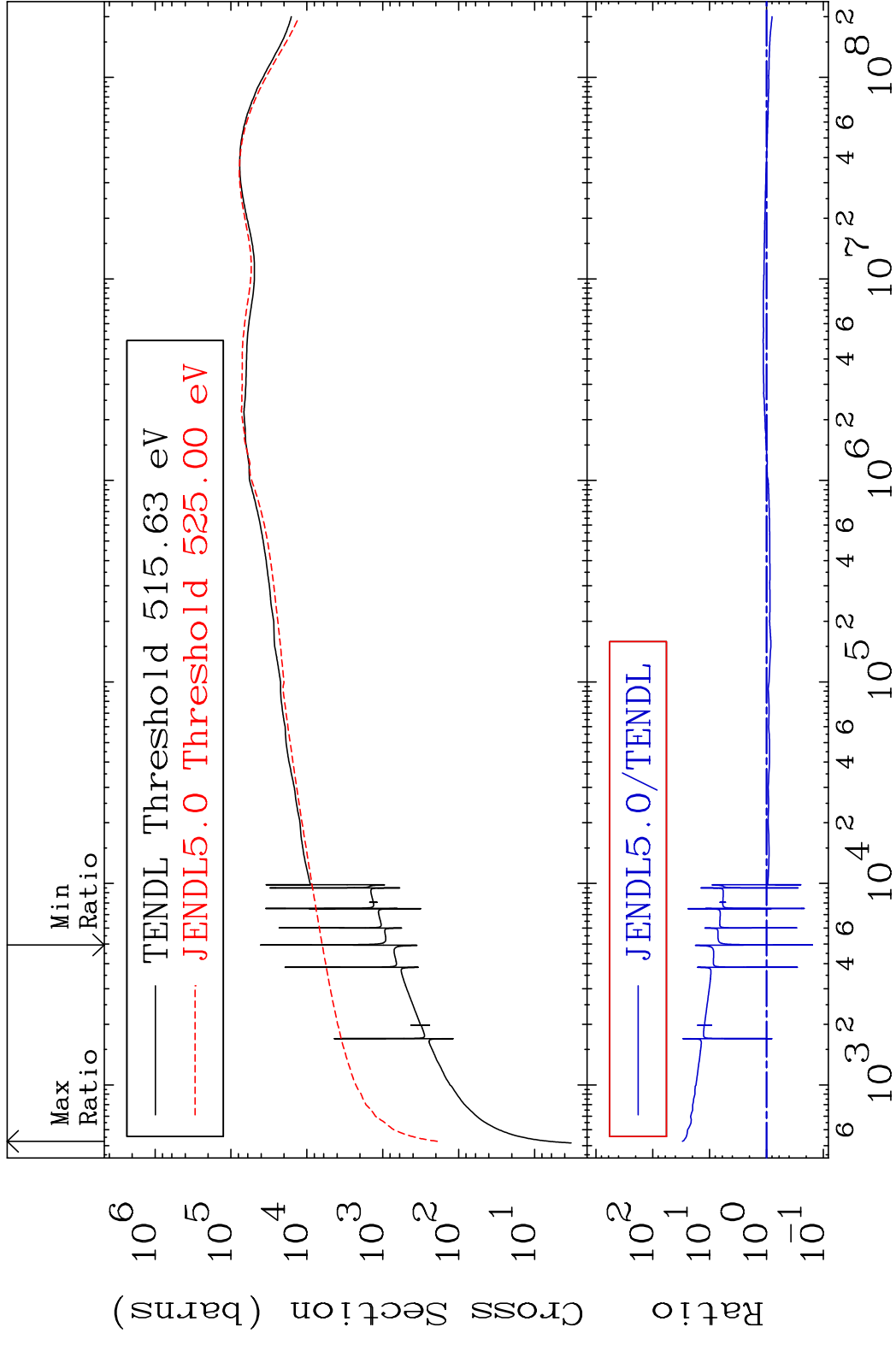
23-V -49

MAT 2322

Dpa elastic (mt2)

23-V -49

Cross Section -84.52 To 2919. %



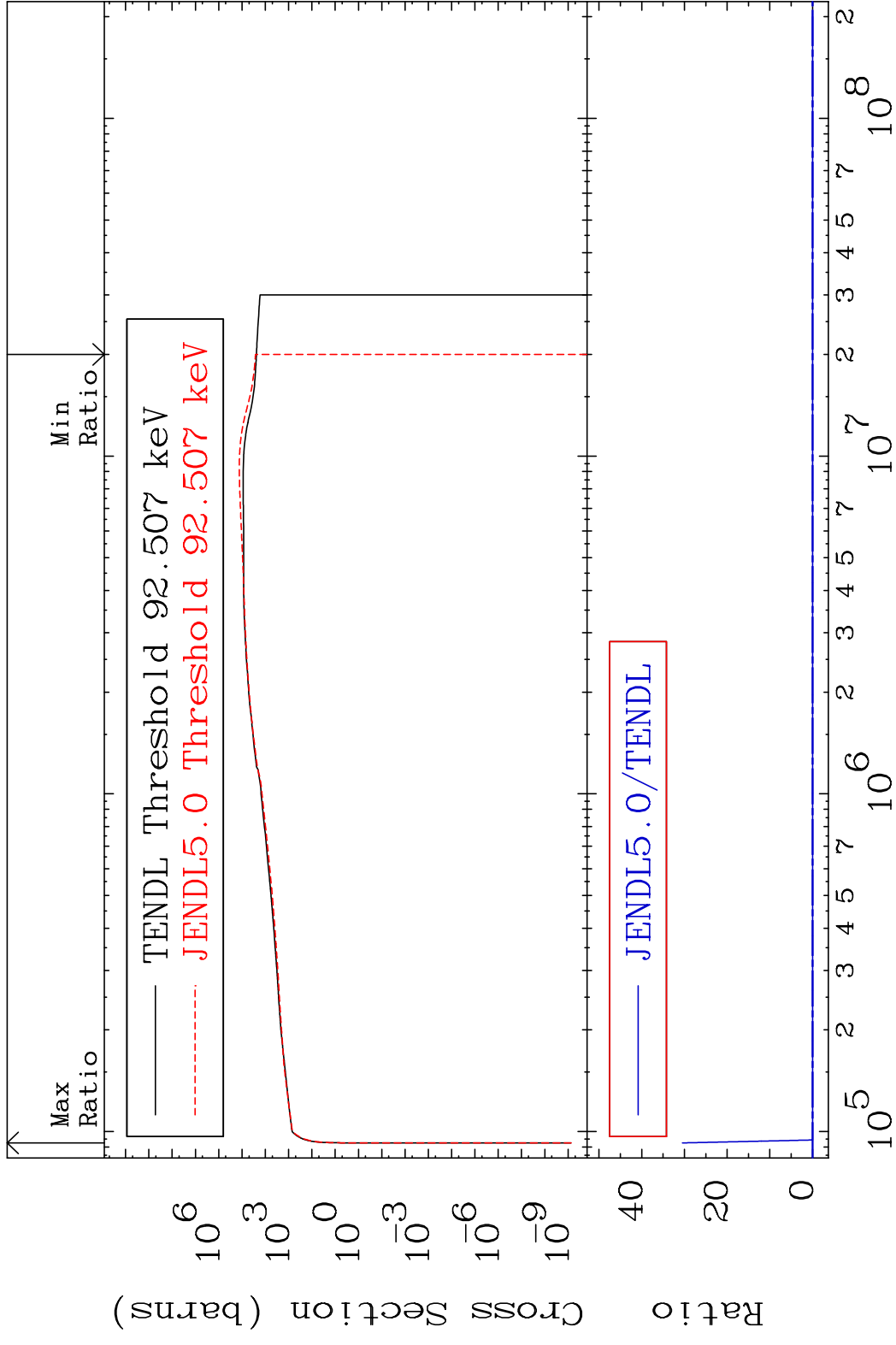
63

Incident Energy (eV)

23-V -49

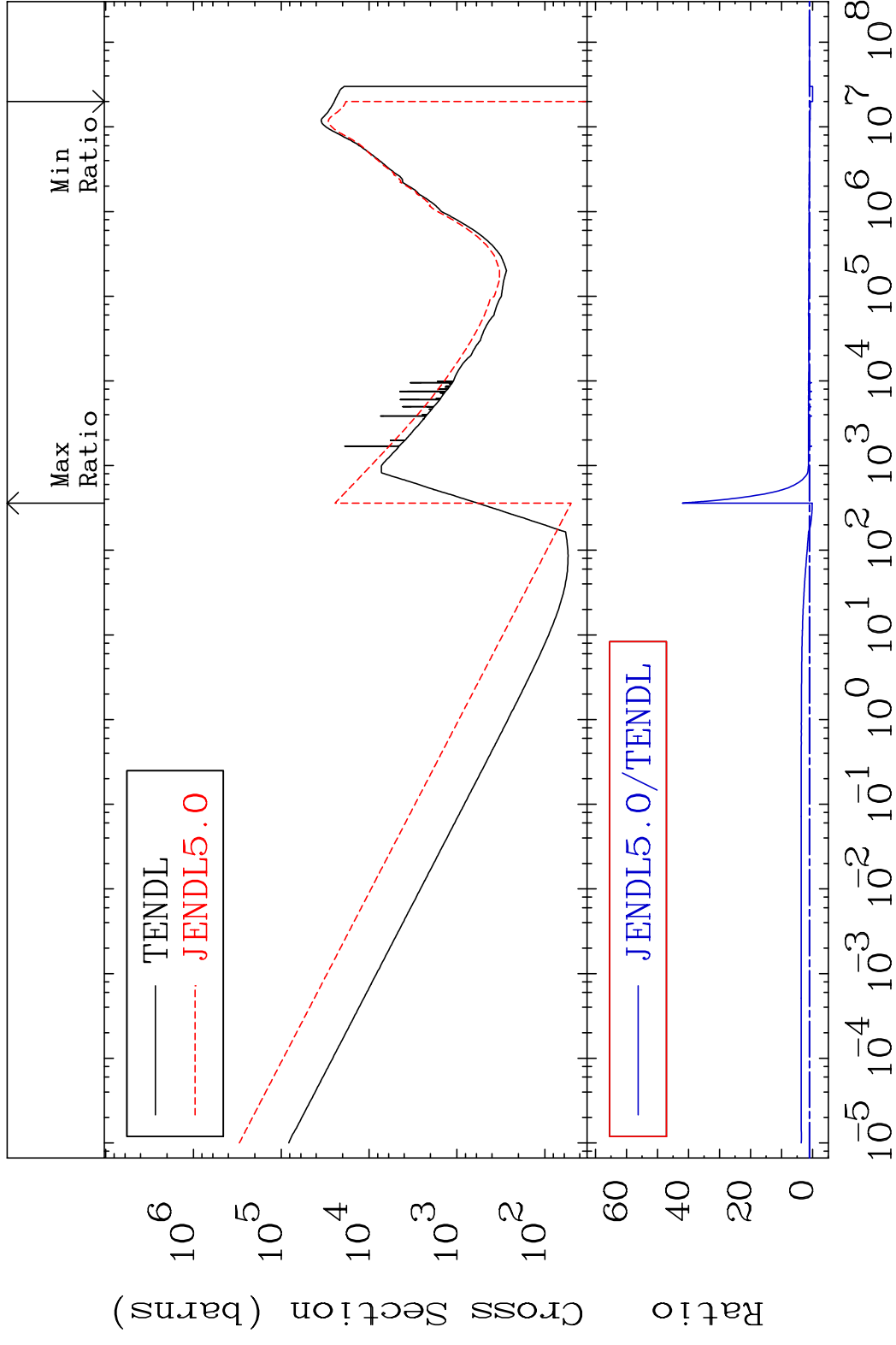


MAT 2322 Dpa inelastic (mt51-91) 23-V -49  
 Cross Section -100.0 To 9999. %



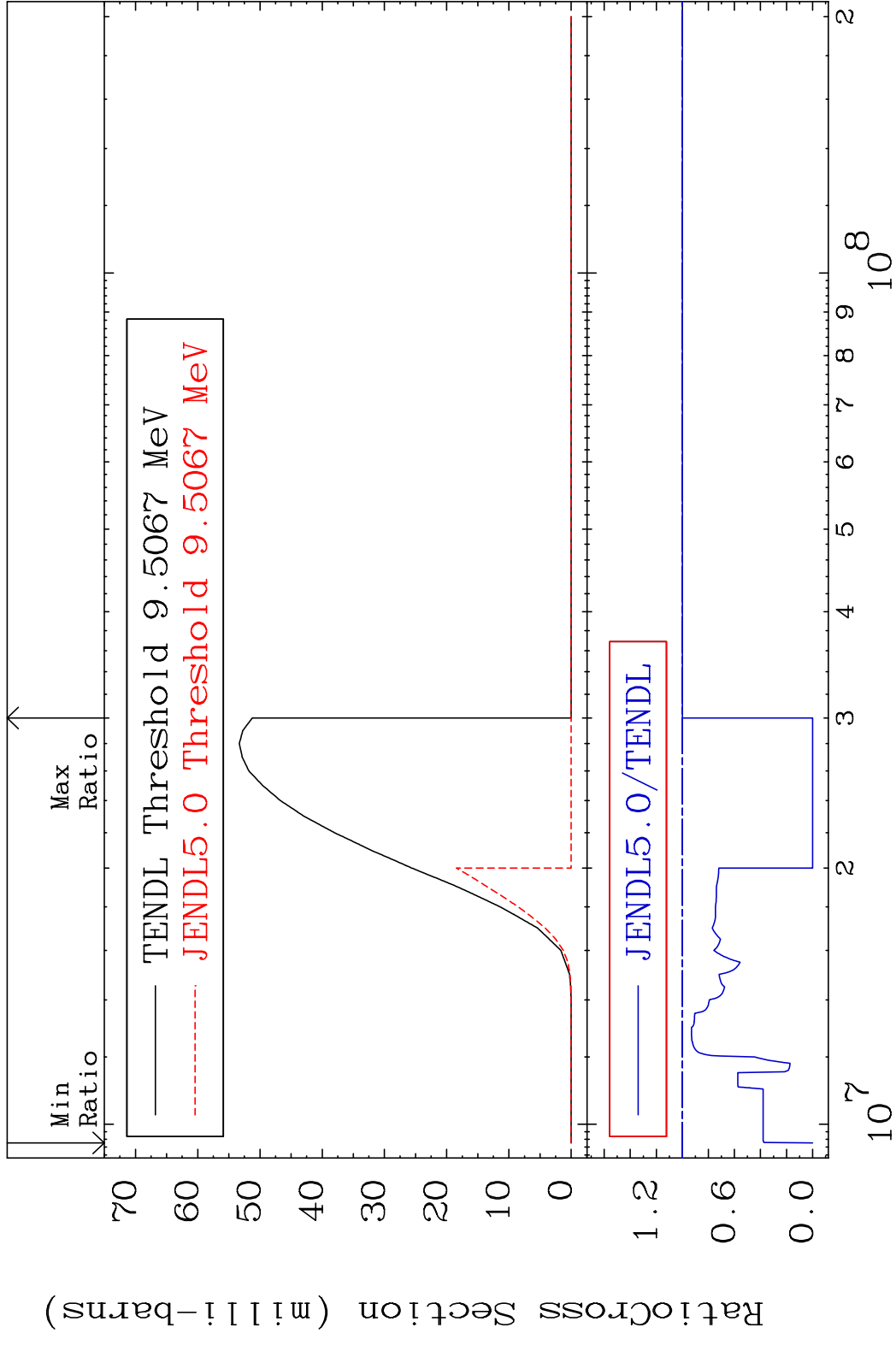
64 Incident Energy (eV) 23-V -49

MAT 2322 Dpa disappearance (mt102 -120) 23-V -49  
 Cross Section -100.0 To 4101. %

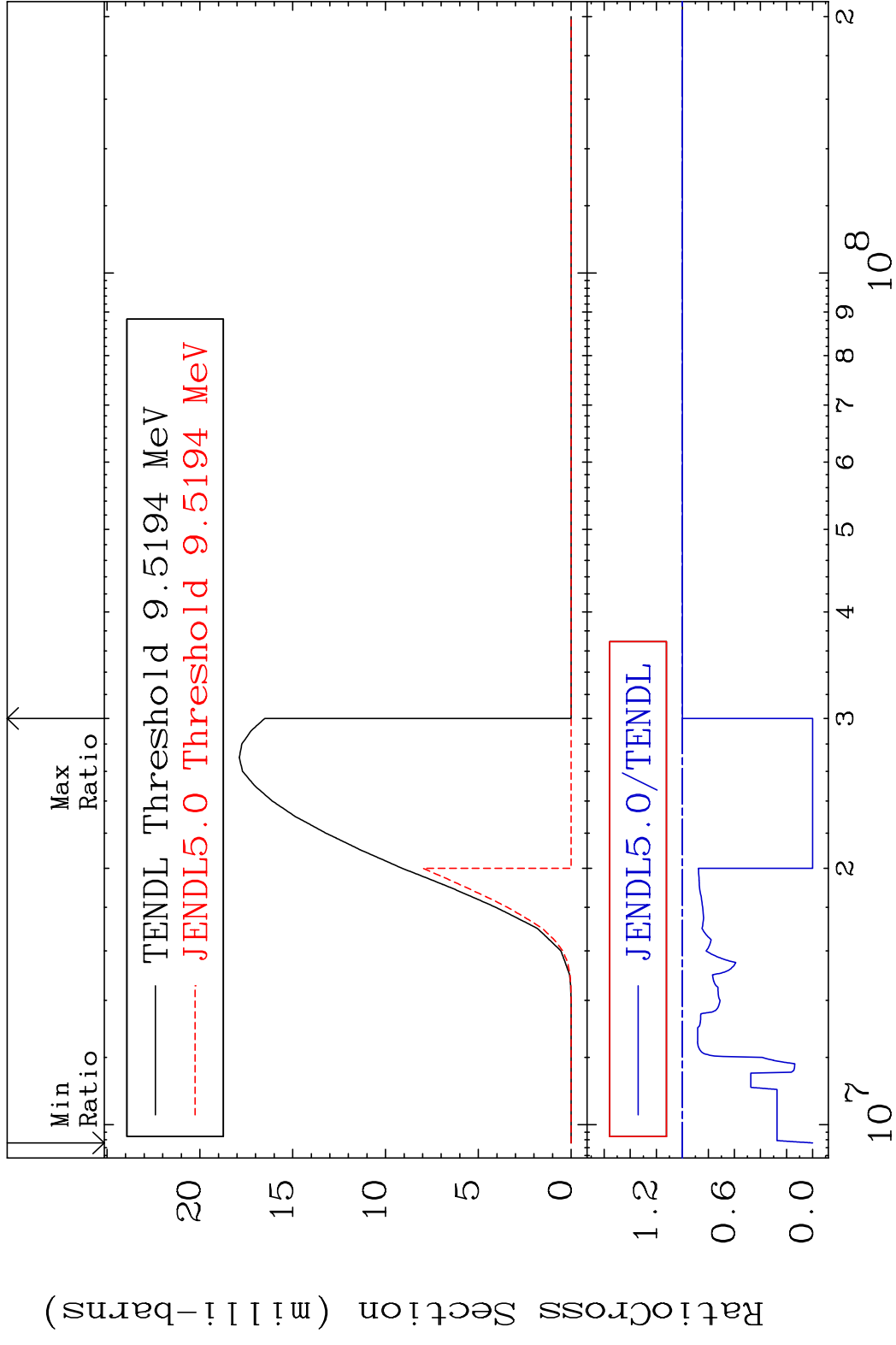


65 Incident Energy (eV) 23-V -49

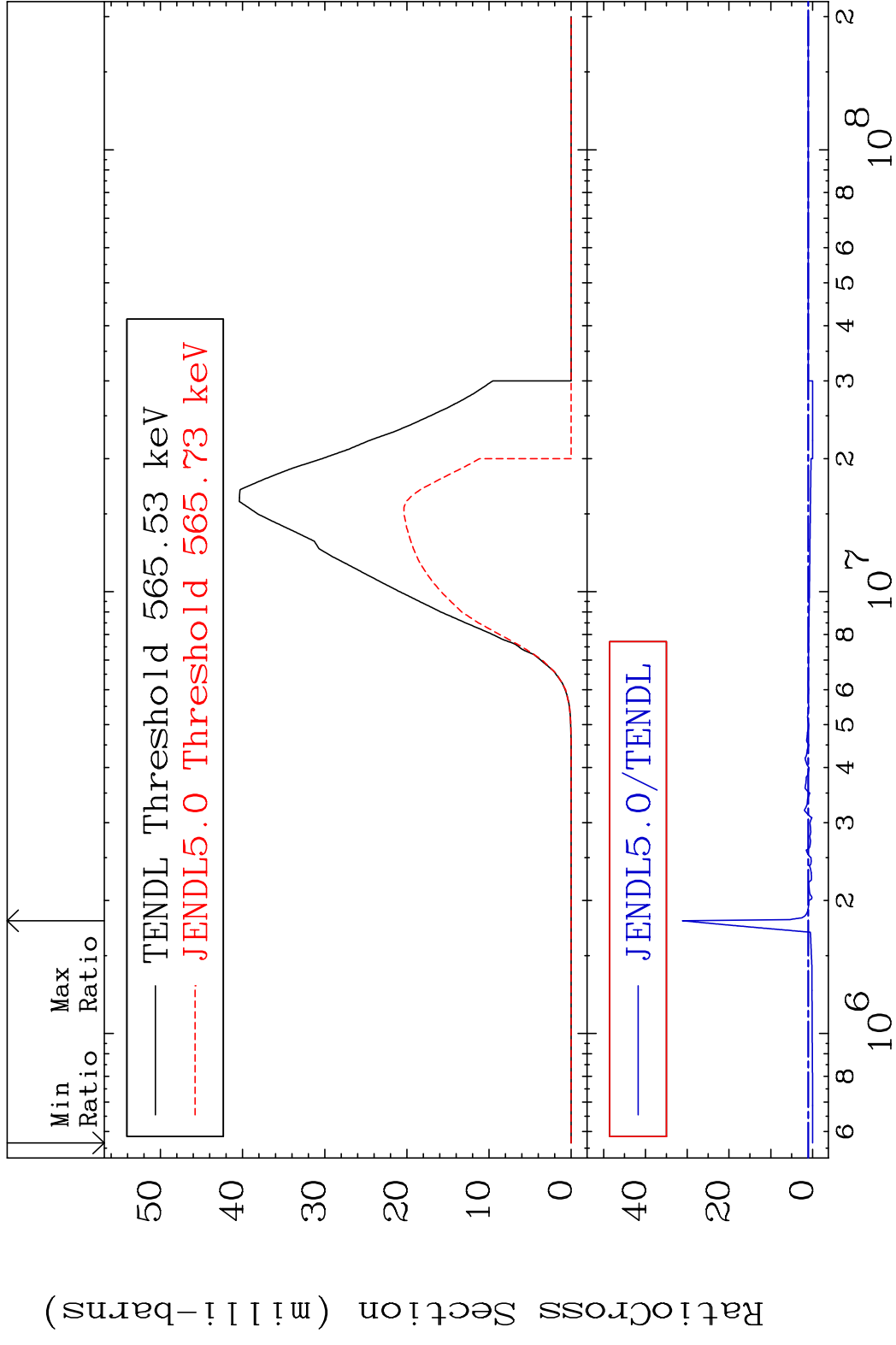
MAT 2322 (n, n')  $\alpha$ :21-Sc-45g 23-V -49  
 Radionuclide Production Cross Section Ratio 0.000 %

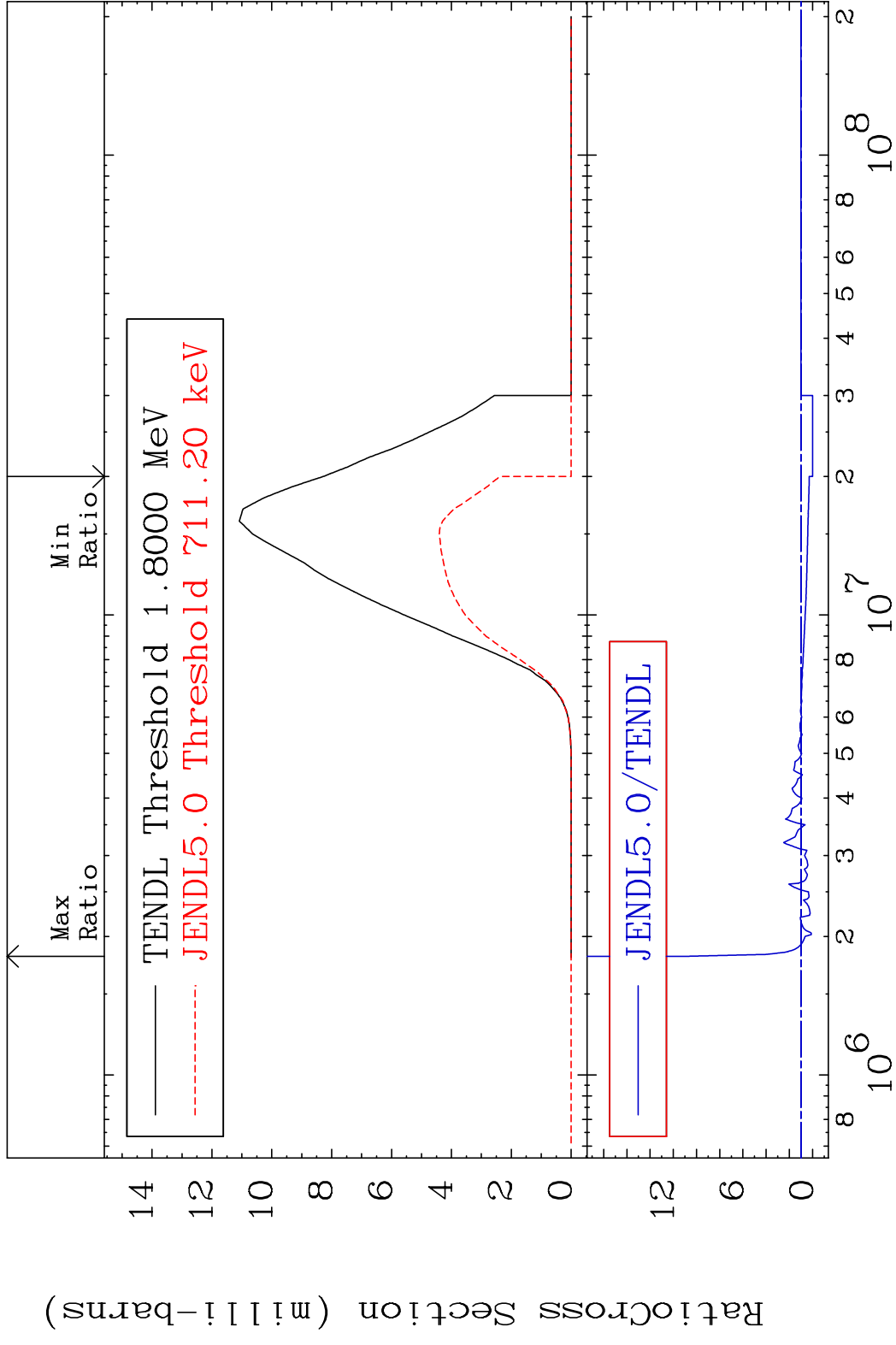


MAT 2322 (n, n')  $\alpha$ :21-Sc-45m1 23-V -49  
 Radionuclide Production Cross Section Ratio 0.000 %

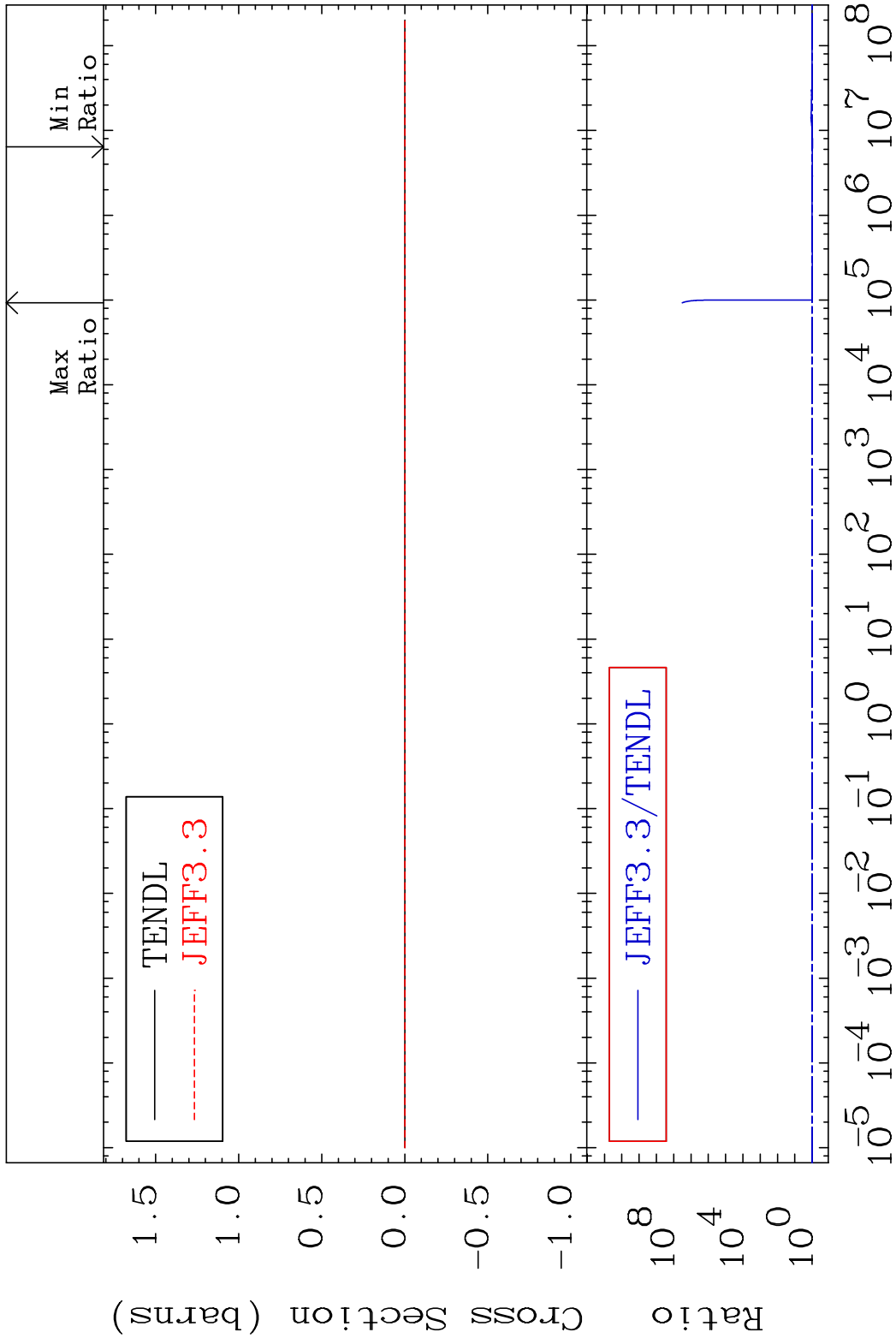


67 Incident Energy (eV) 23-V -49





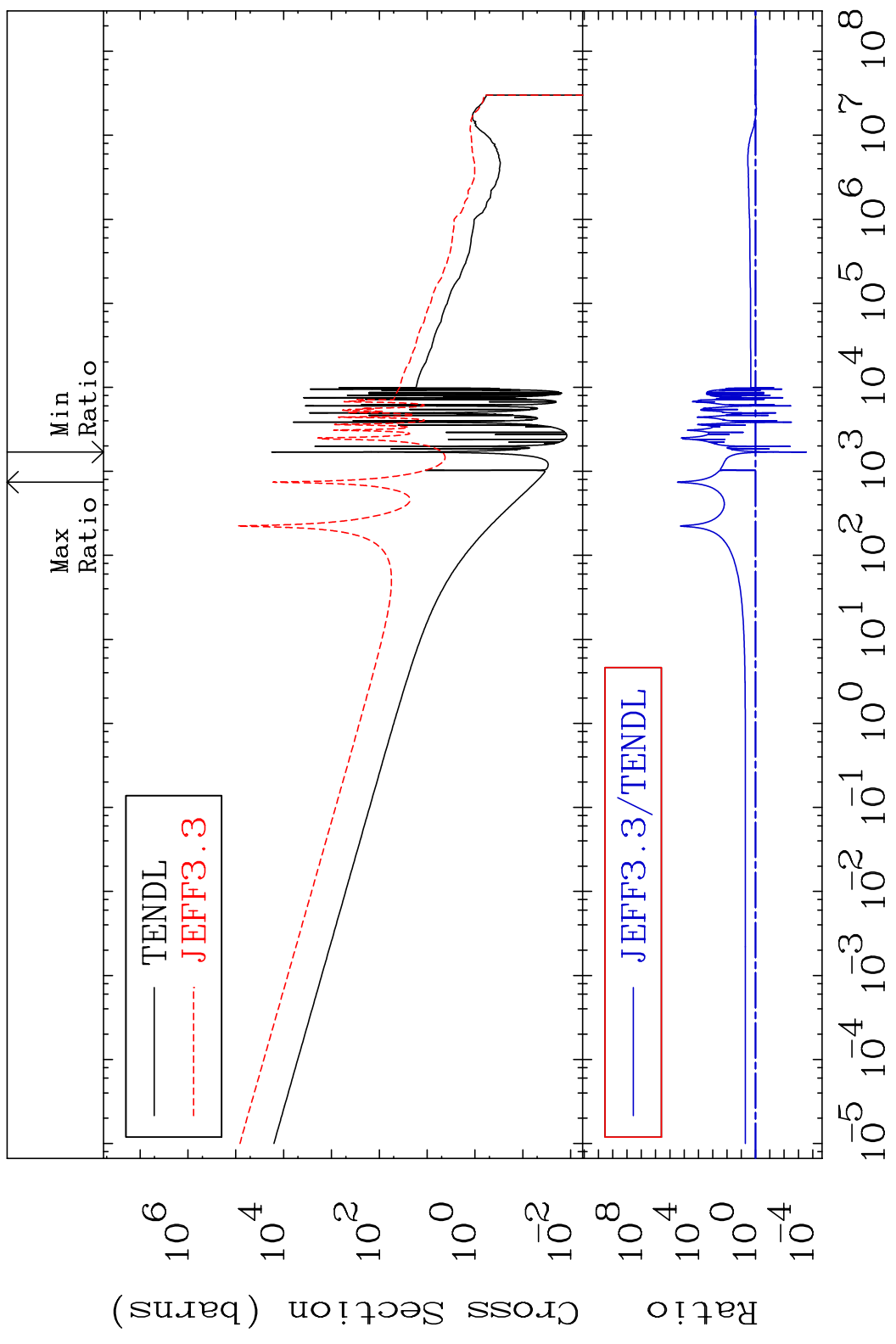
MAT 2322 Kerma fission (mt18 or mt19-20-21-38) 23-V -49  
 Cross Section -4.448 To 9999. %



70 Incident Energy (eV) 23-V -49

MAT 2322

Kerma capture (mt102) 23-V -49  
Cross Section -99.97 To 9999. %



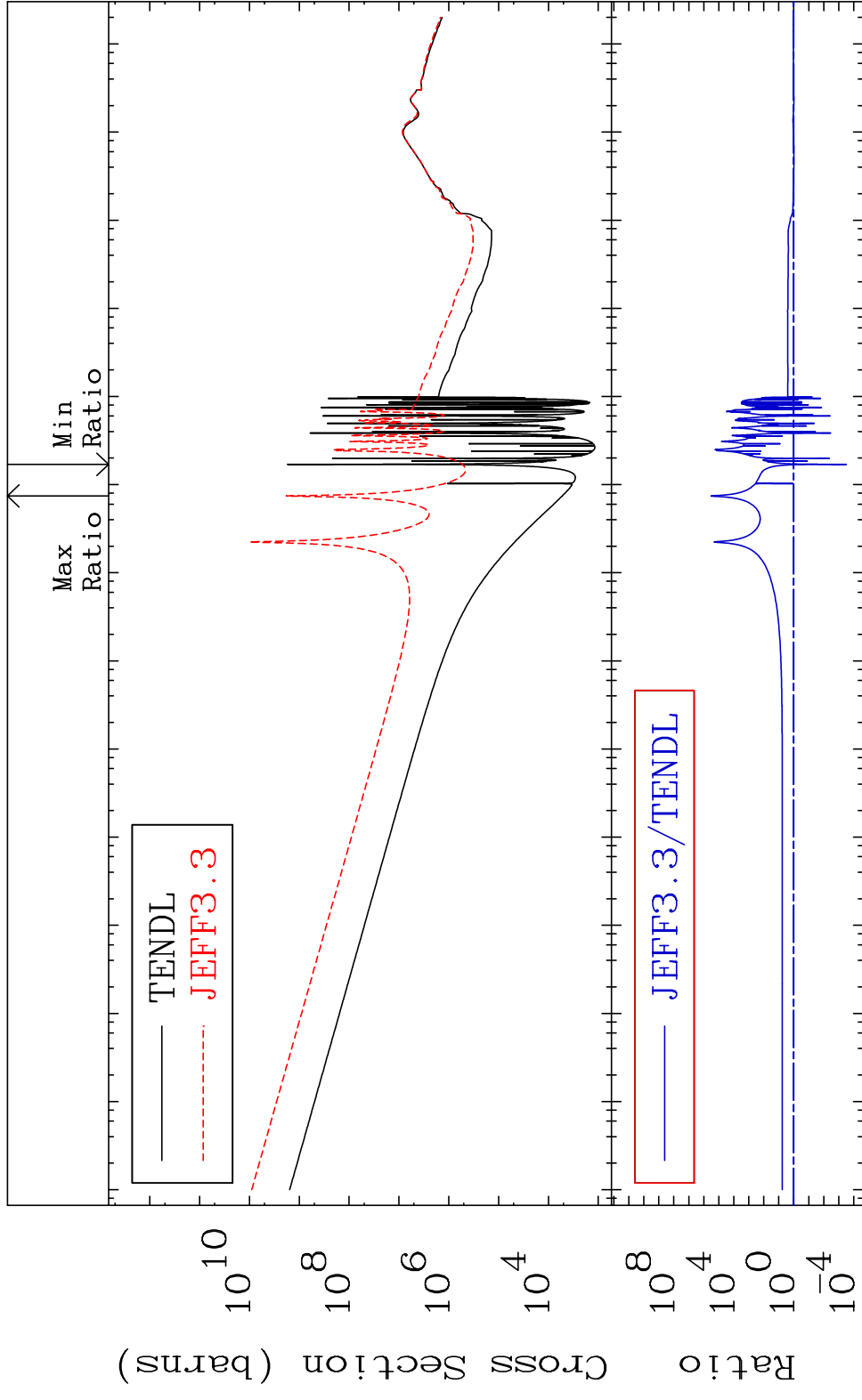
71

Incident Energy (eV) 23-V -49



MAT 2322

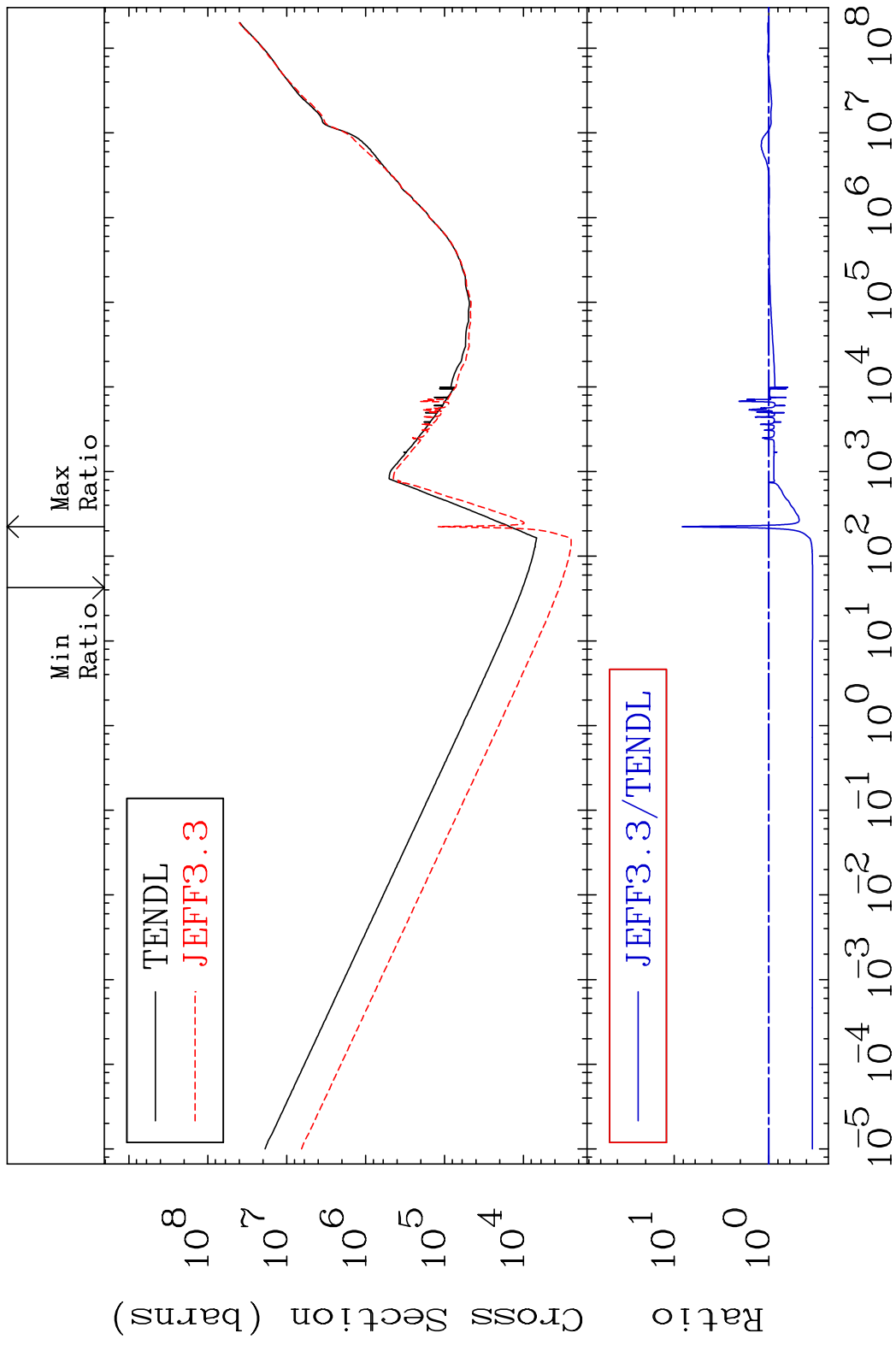
Total photon (eV-barns) 23-V -49  
Cross Section -99.97 To 9999. %



72

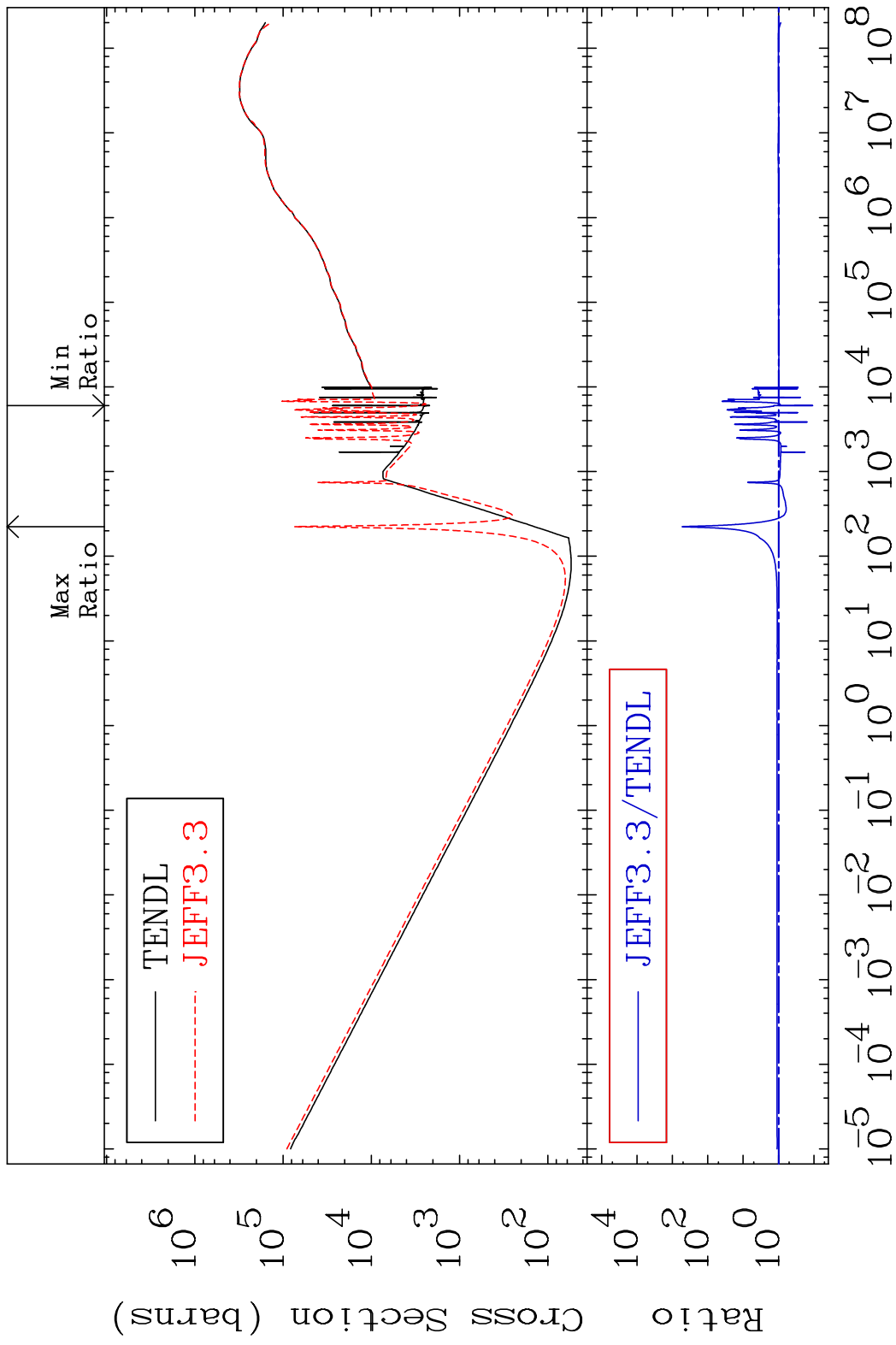
Incident Energy (eV) 23-V -49

MAT 2322 Total kinematic kerma (high limit) 23-V -49  
Cross Section -65.61 To 720.1 %



73 Incident Energy (eV) 23-V -49

MAT 2322      Dpa total (eV-barns)      23-V -49  
 Cross Section      -89.07 To 9999. %



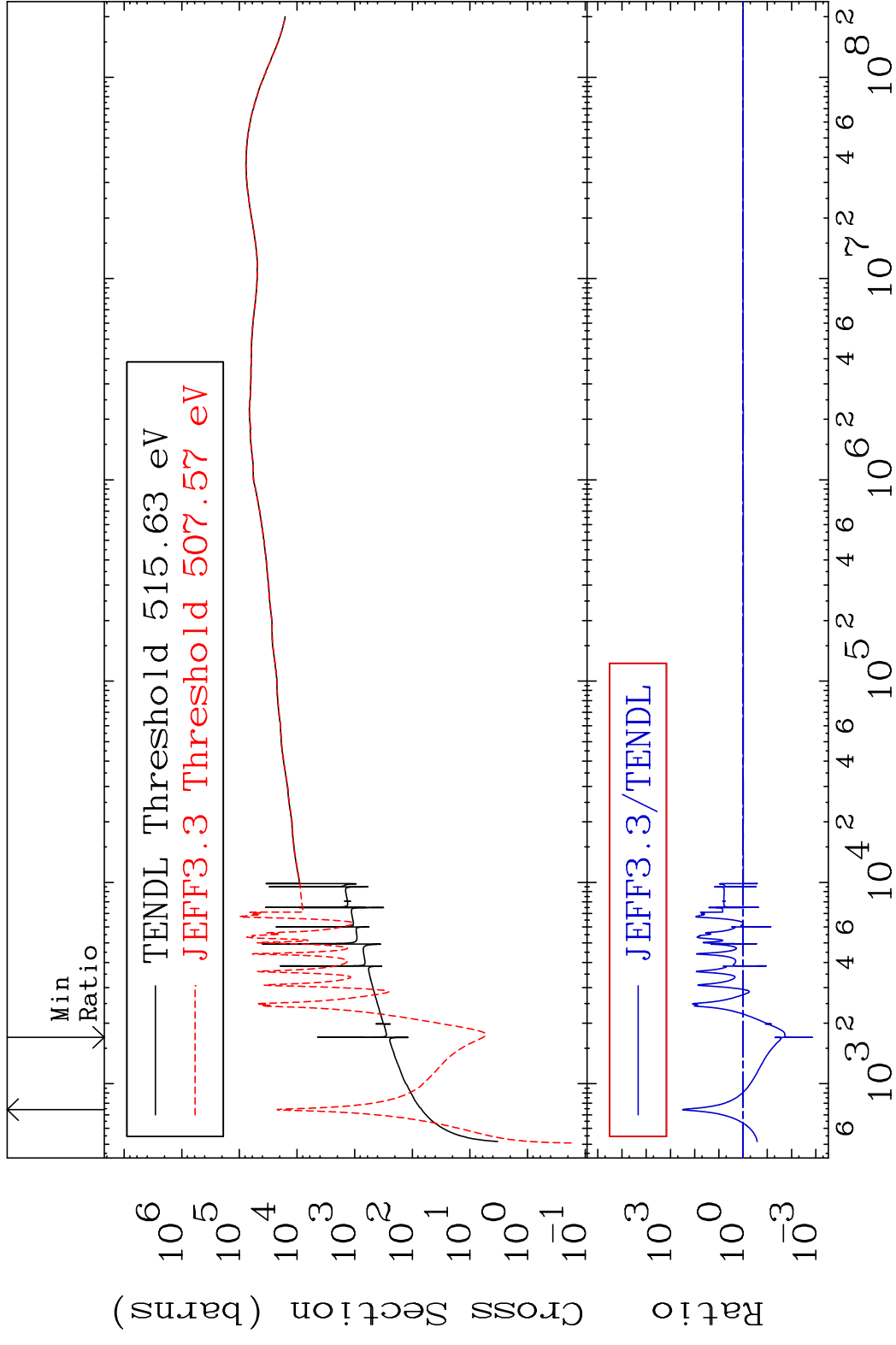
74      Incident Energy (eV)      23-V -49

MAT 2322

Dpa elastic (mt2)

23-V -49

Cross Section -99.86 To 9999. %

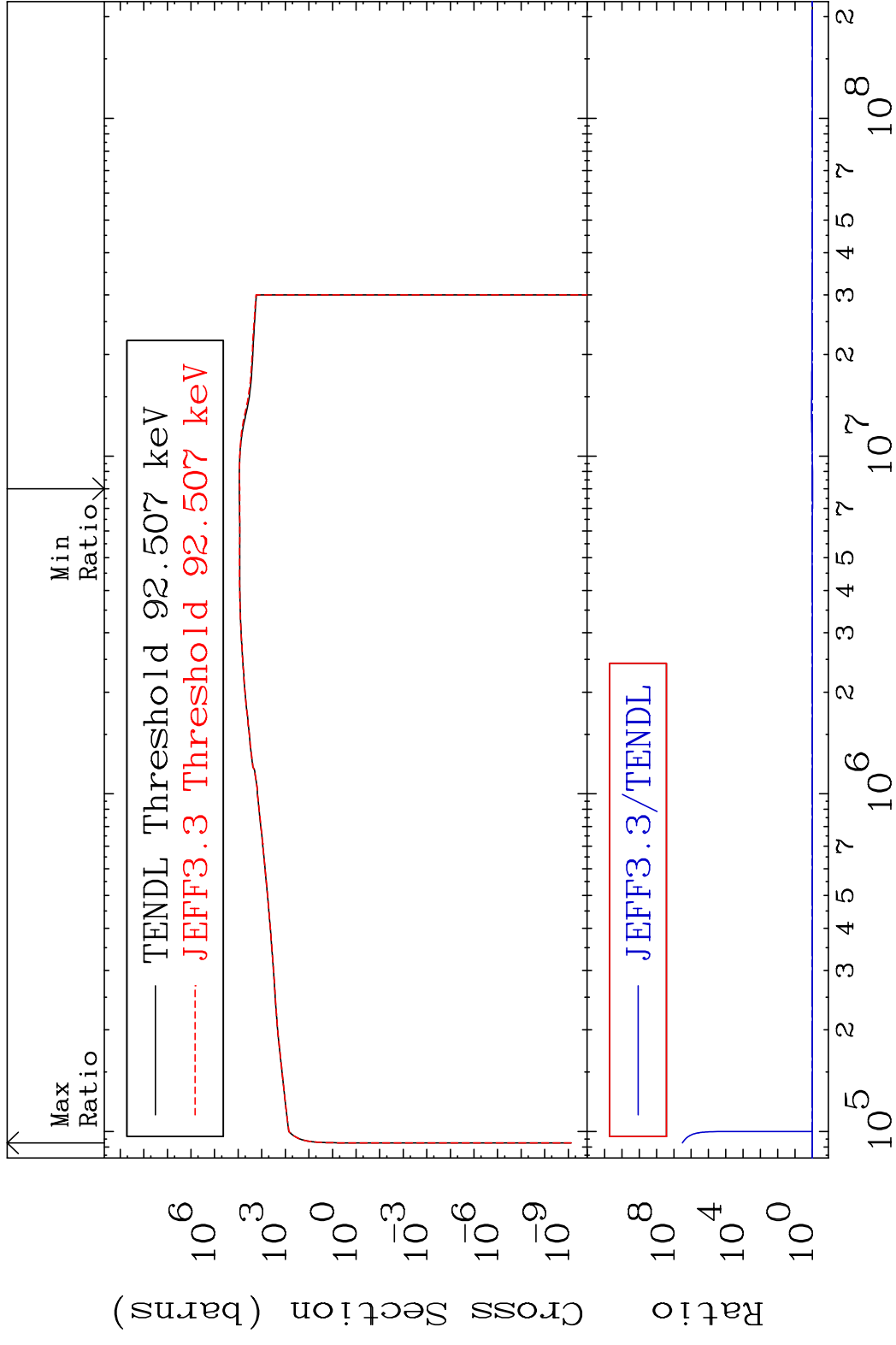


75

Incident Energy (eV)

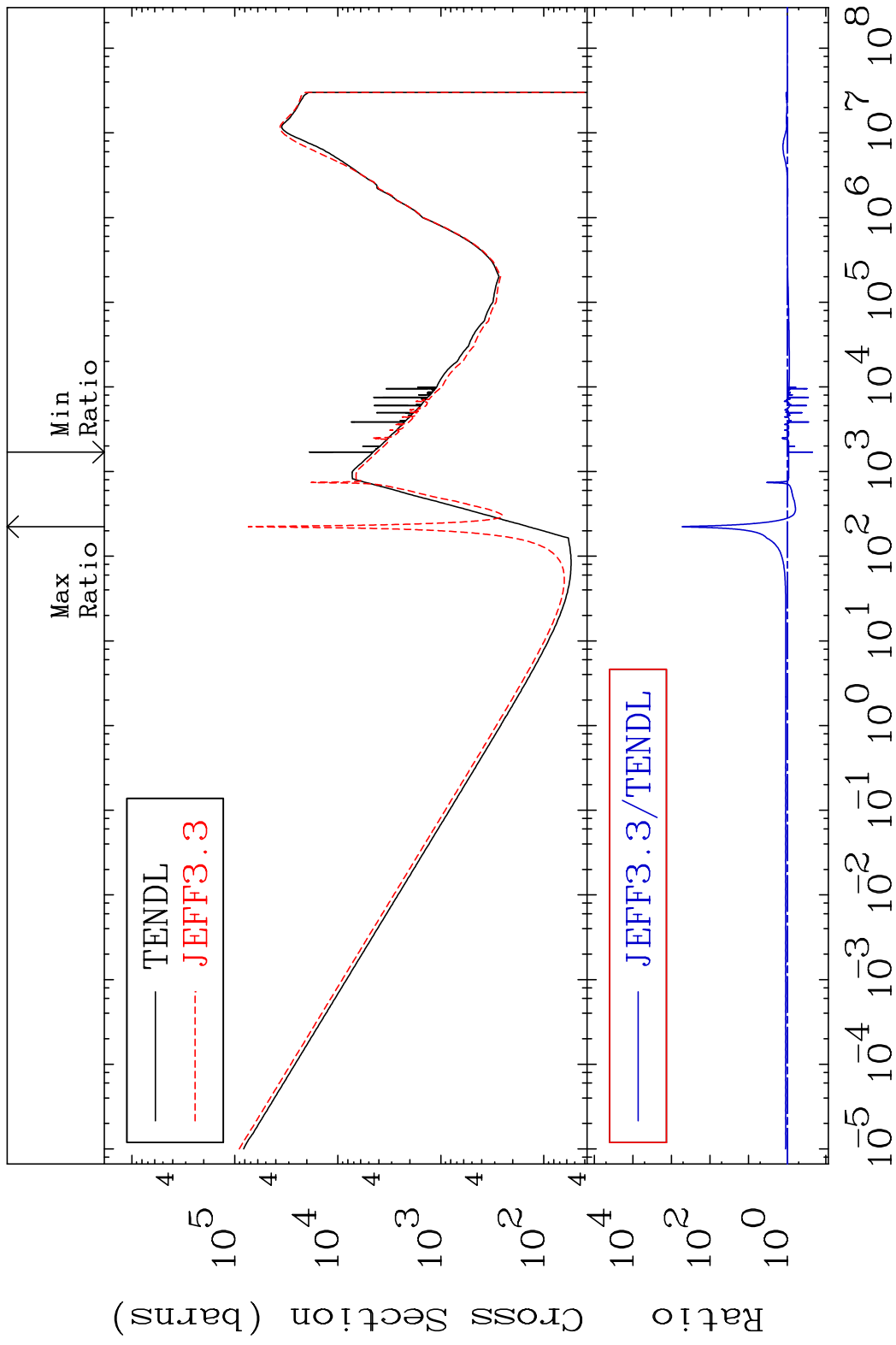
23-V -49

MAT 2322 Dpa inelastic (mt51-91) 23-V -49  
 Cross Section -3.073 To 9999. %

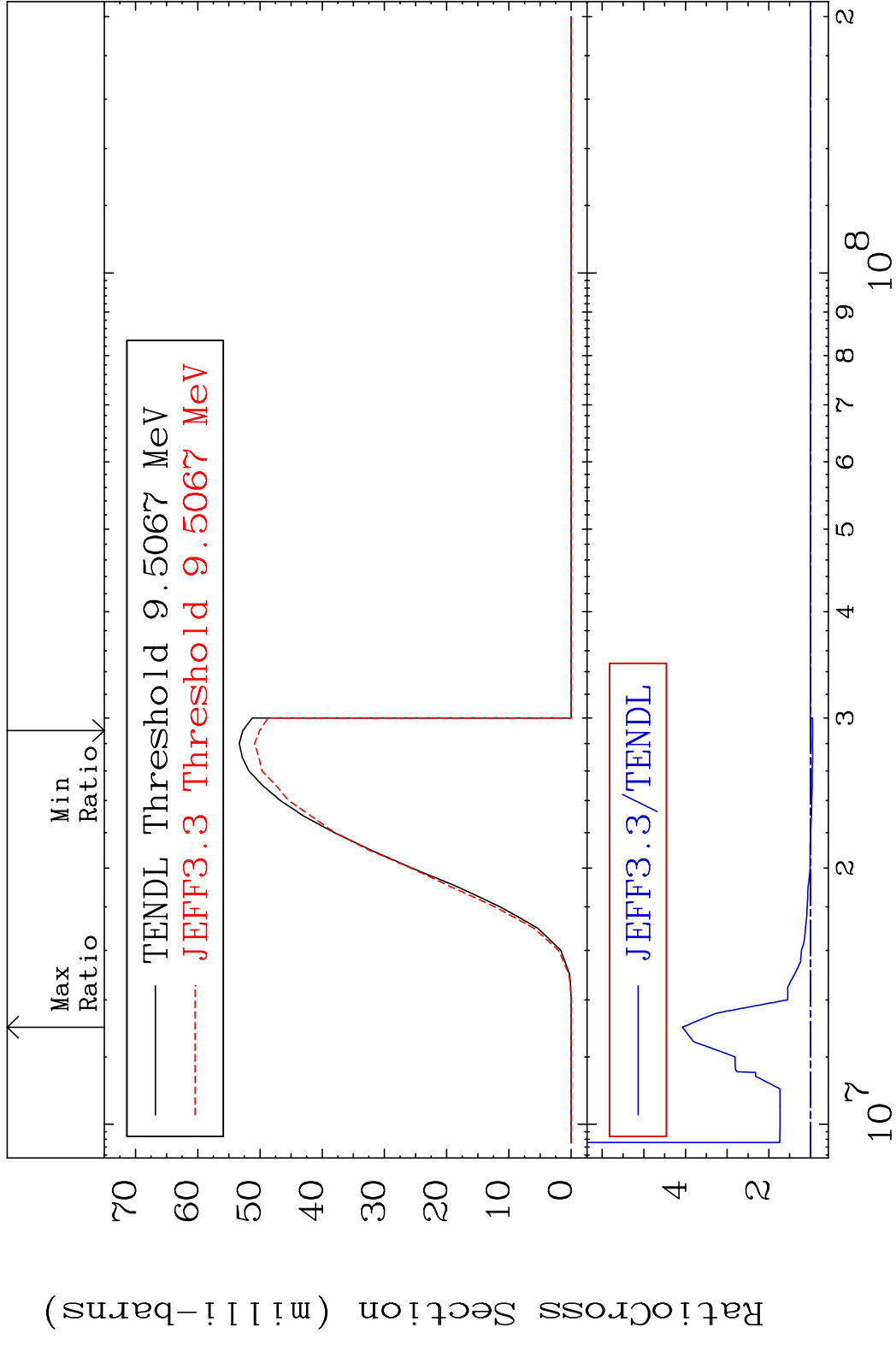


76 Incident Energy (eV) 23-V -49

MAT 2322 Dpa disappearance (mt102 -120) 23-V -49  
 Cross Section -78.01 To 9999. %

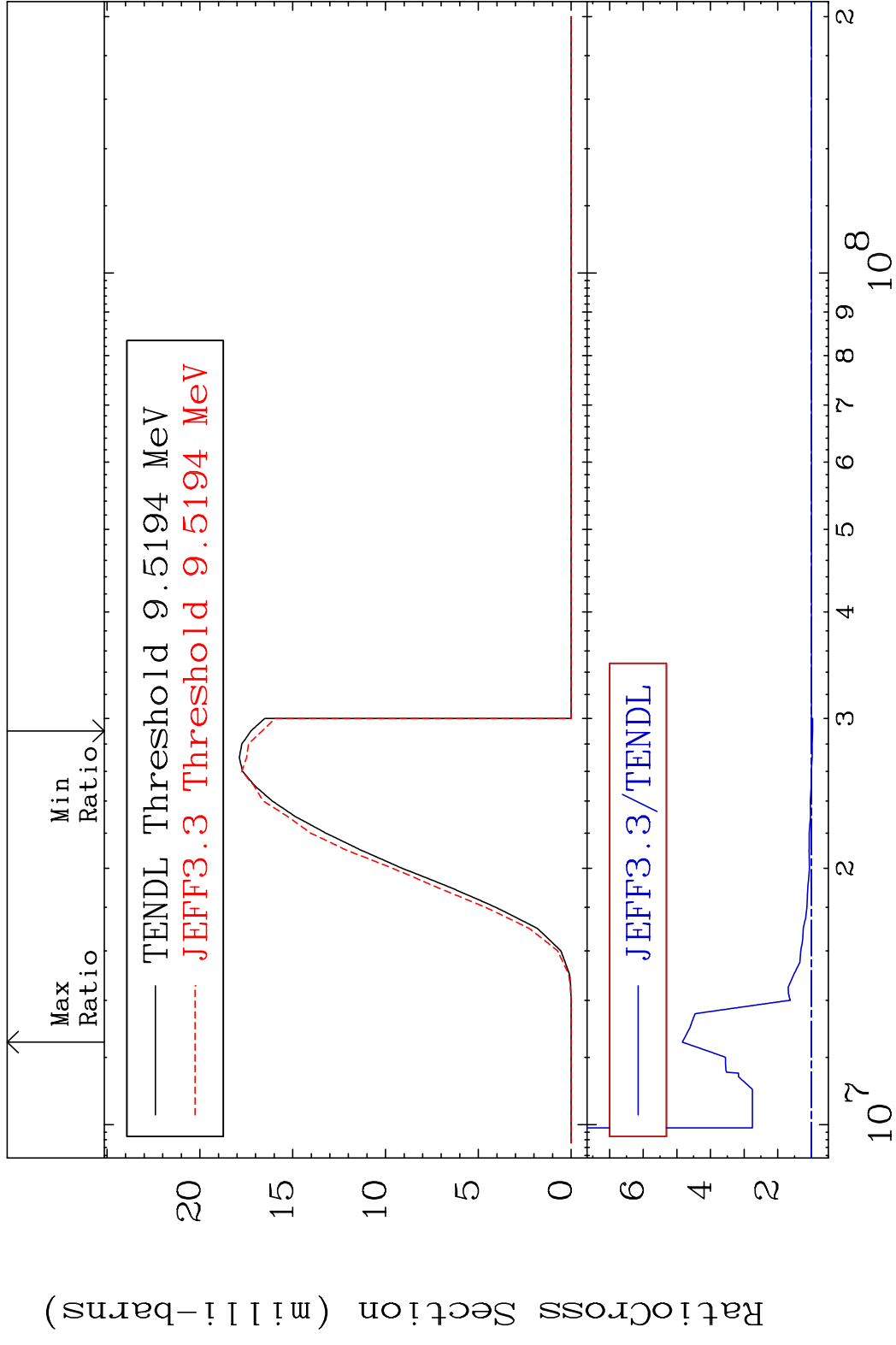


MAT 2322 (n, n')  $\alpha$ :21-Sc-45g 23-V -49  
 Radionuclide Production Cross-Section 307.6 %



78 Incident Energy (eV) 23-V -49

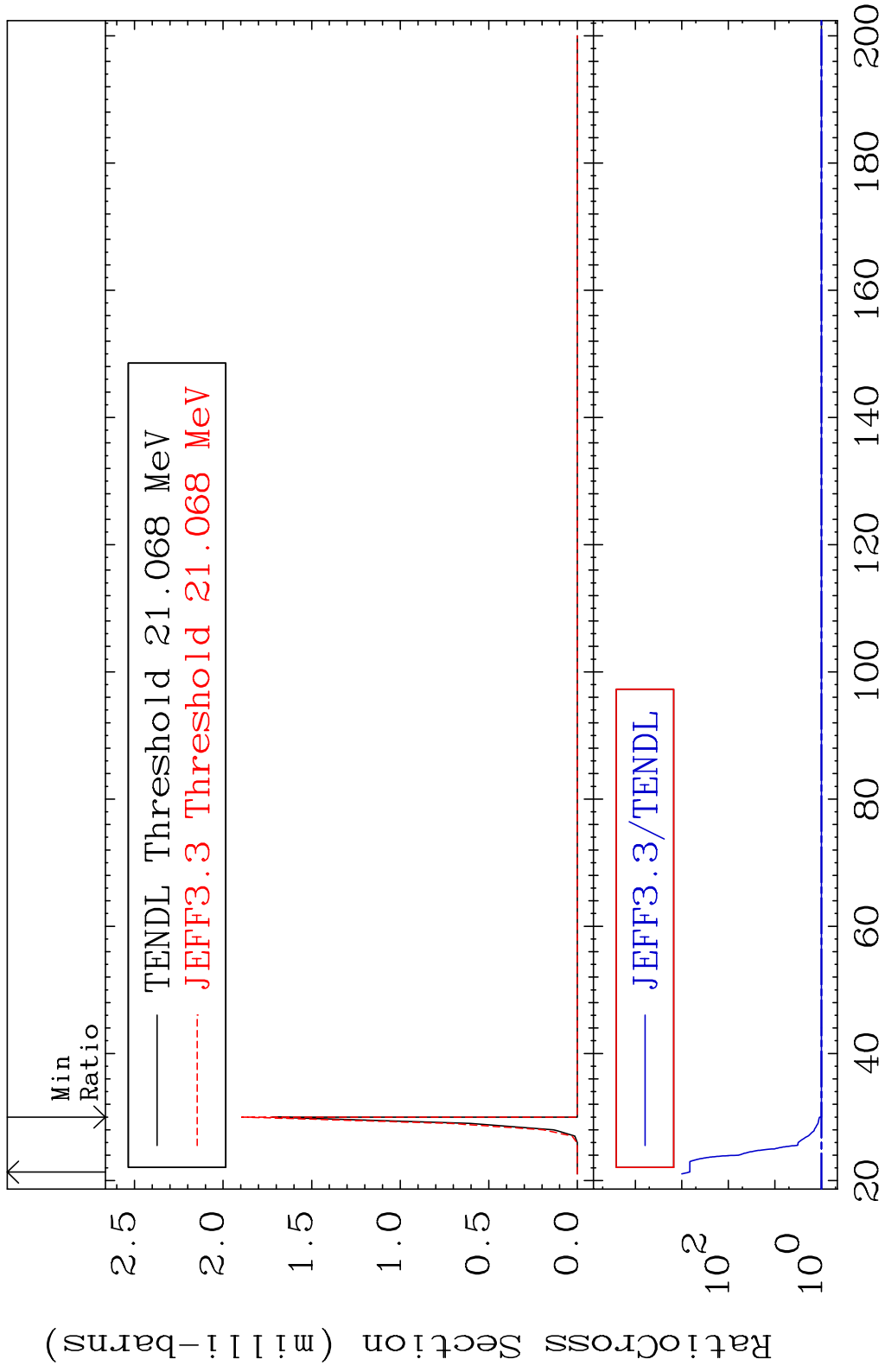
MAT 2322 (n, n')  $\alpha$ :21-Sc-45m1 23-V -49  
 Radionuclide Production Cross Section 383.7 %



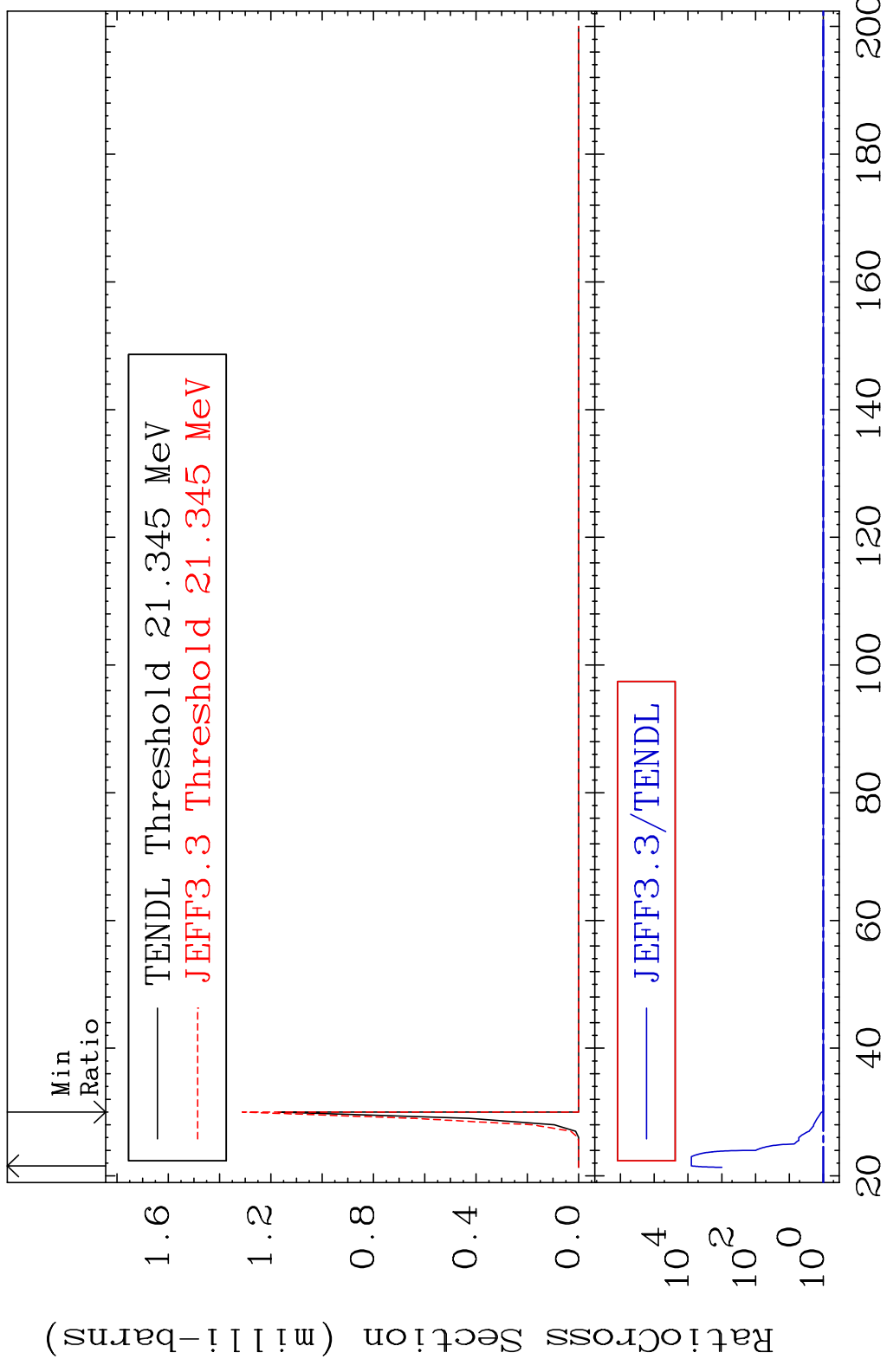
79 Incident Energy (eV) 23-V -49

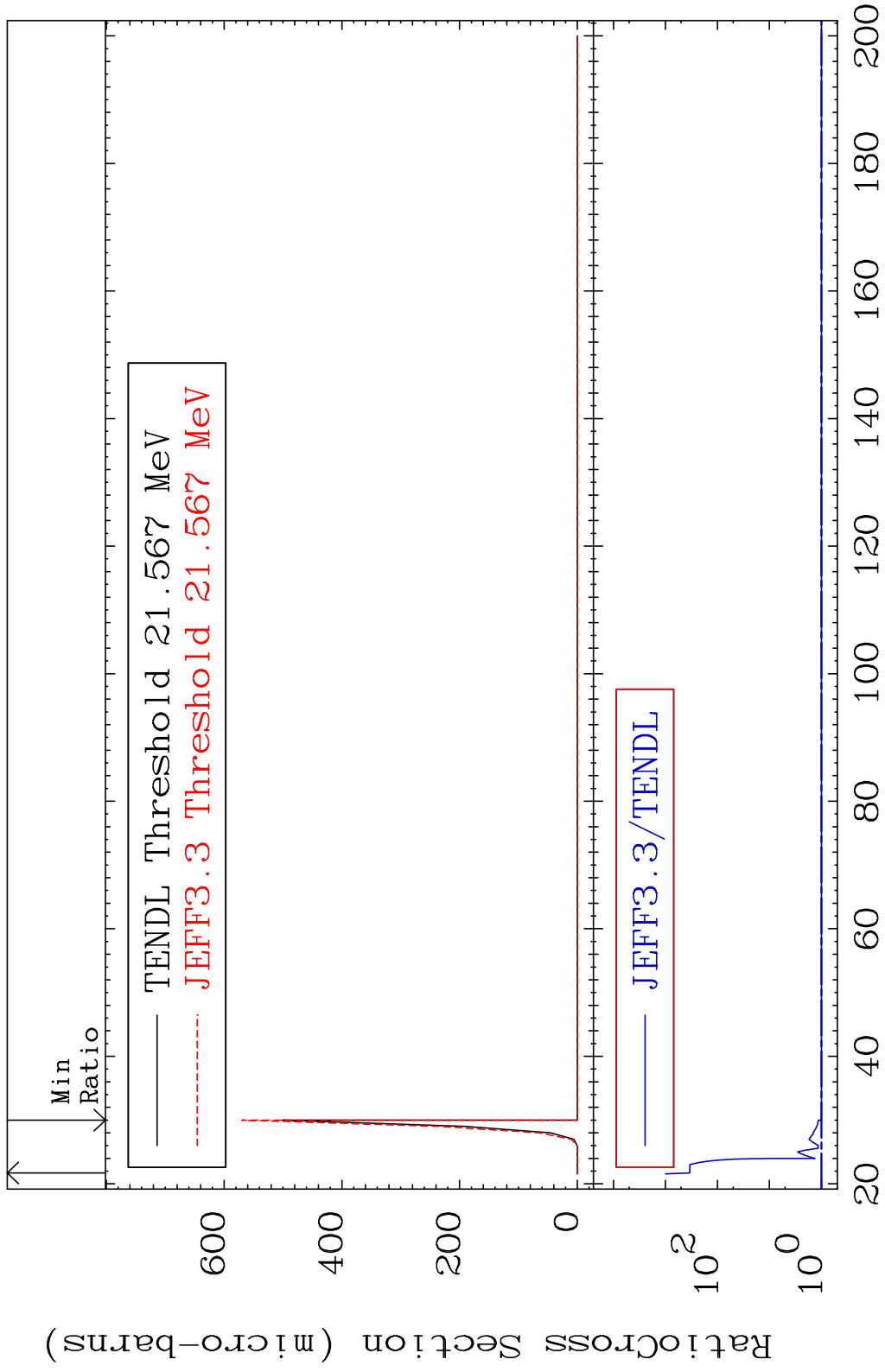


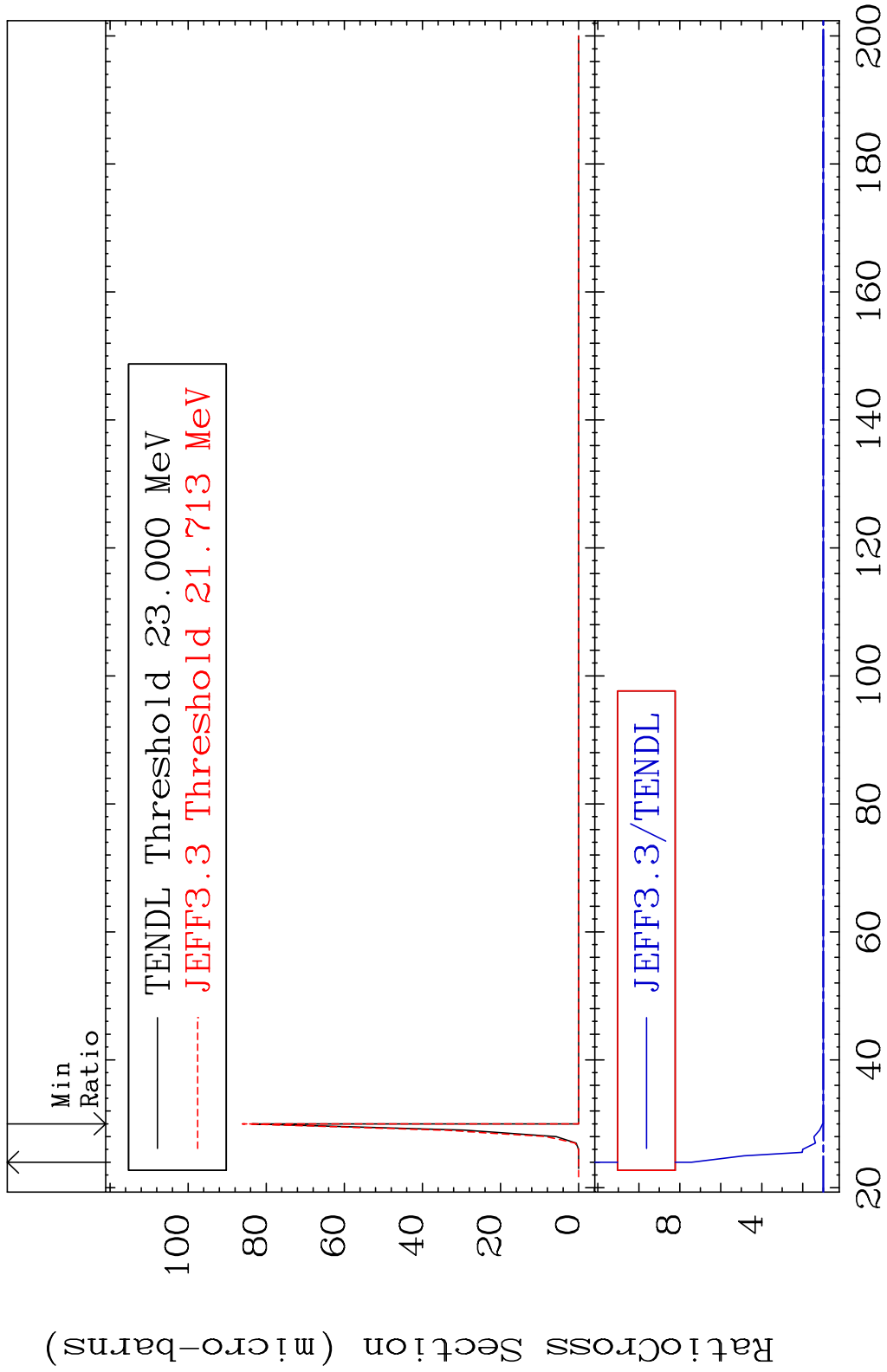
MAT 2322 (n,2n)  $\alpha$ :21-Sc-44g 23-V -49  
 Radionuclide Production Cross Section 9999. %

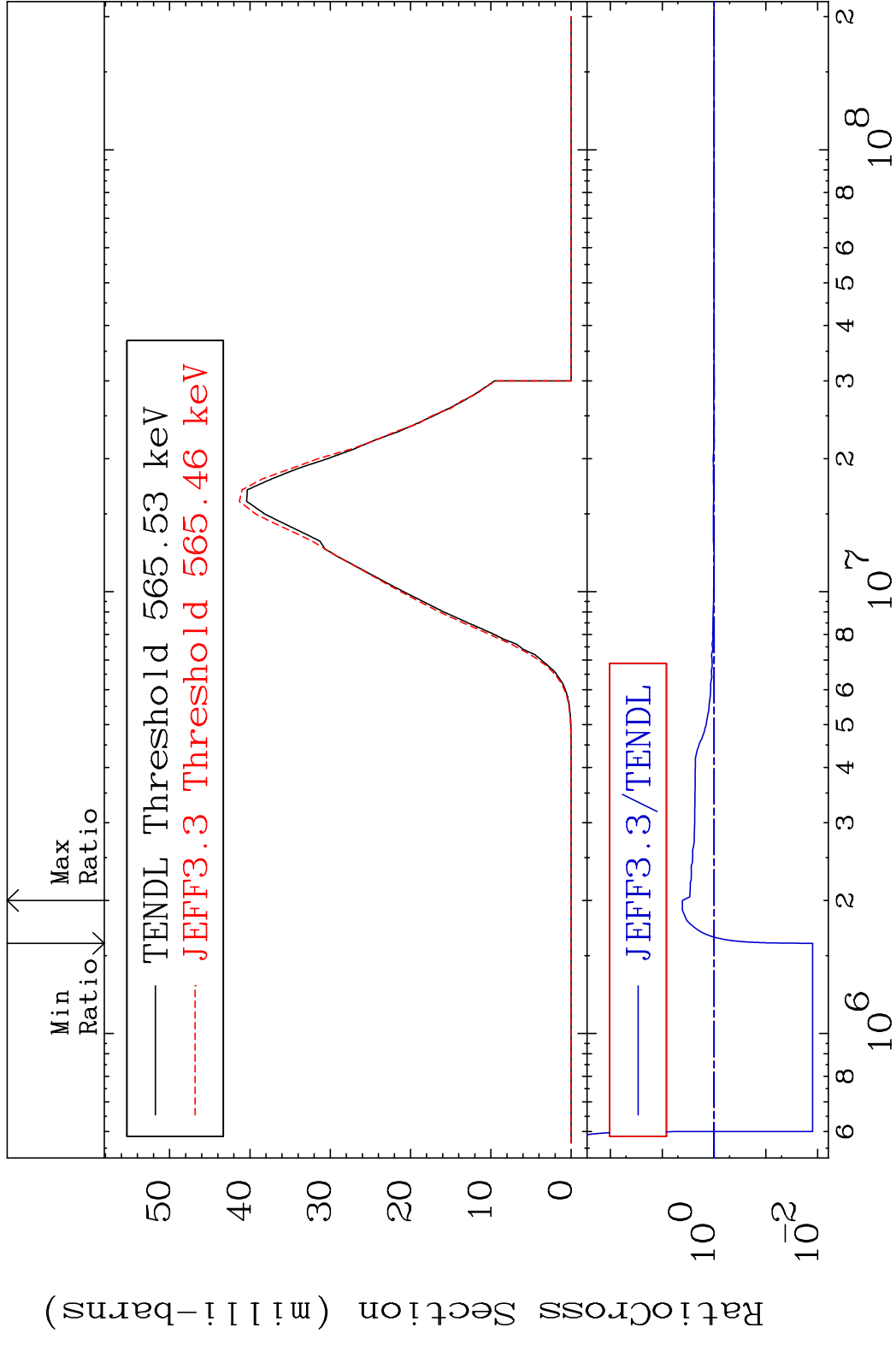


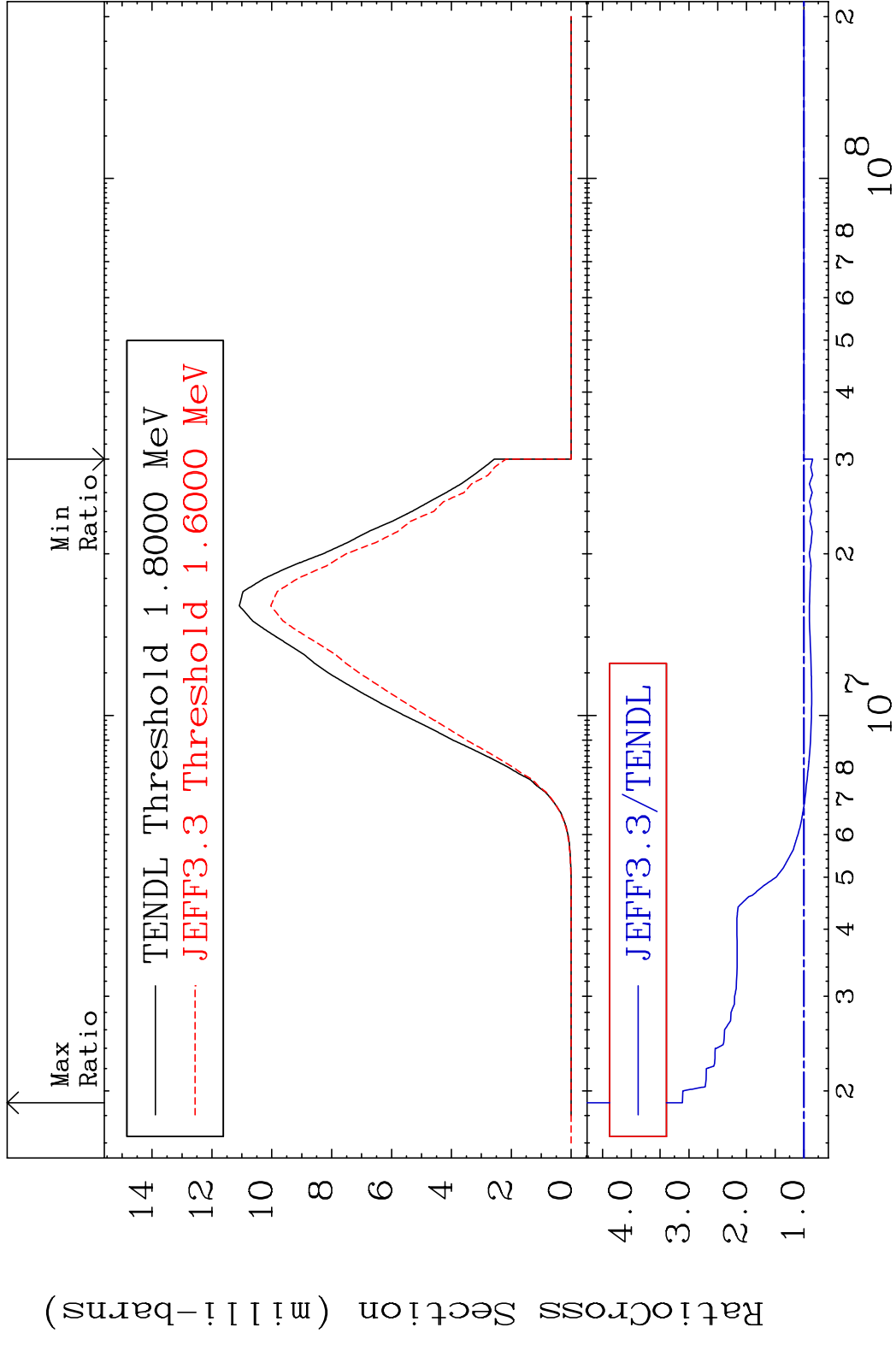
80 Incident Energy (MeV) 23-V -49

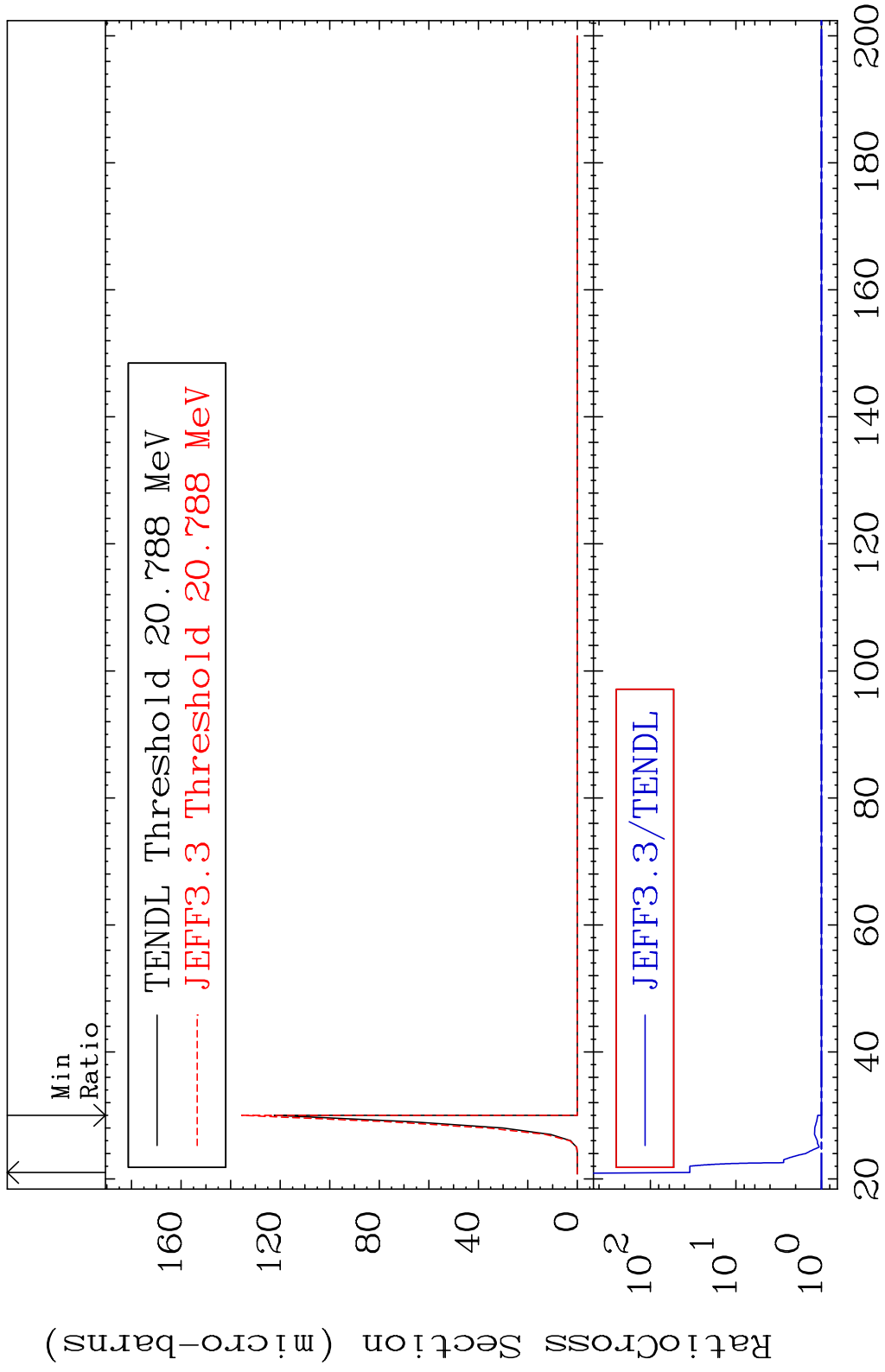












MAT 2322 (n,p) t:21-Sc-46m2 23-V -49  
 Radionuclide Production Cross Section 263.3 %

