

Program Complot  
(Version 2021-1)

by

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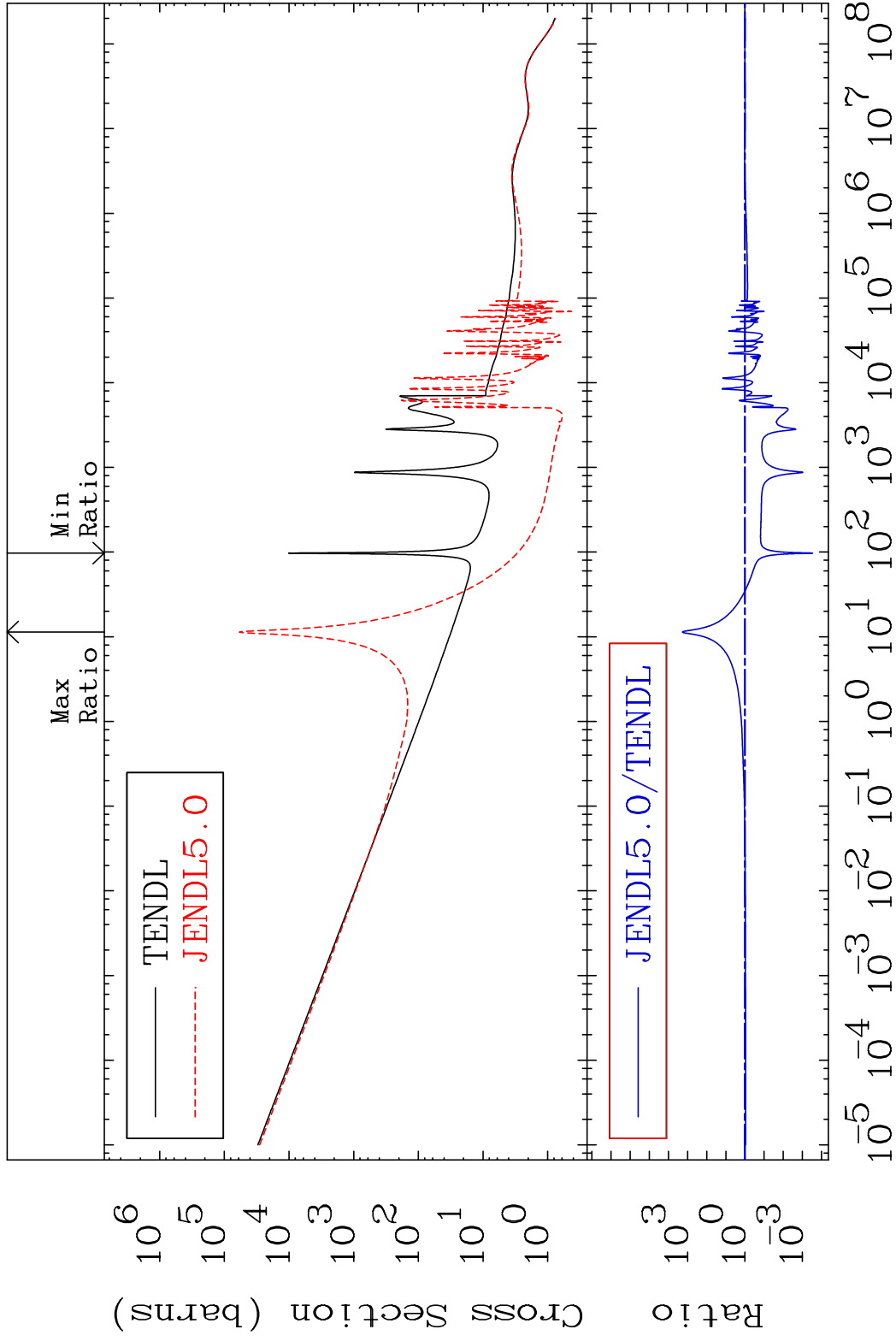
Press Mouse Button to Start

MAT 1834

Total

18-Ar-39

Cross Section -99.97 To 9999. %



1

Incident Energy (eV)

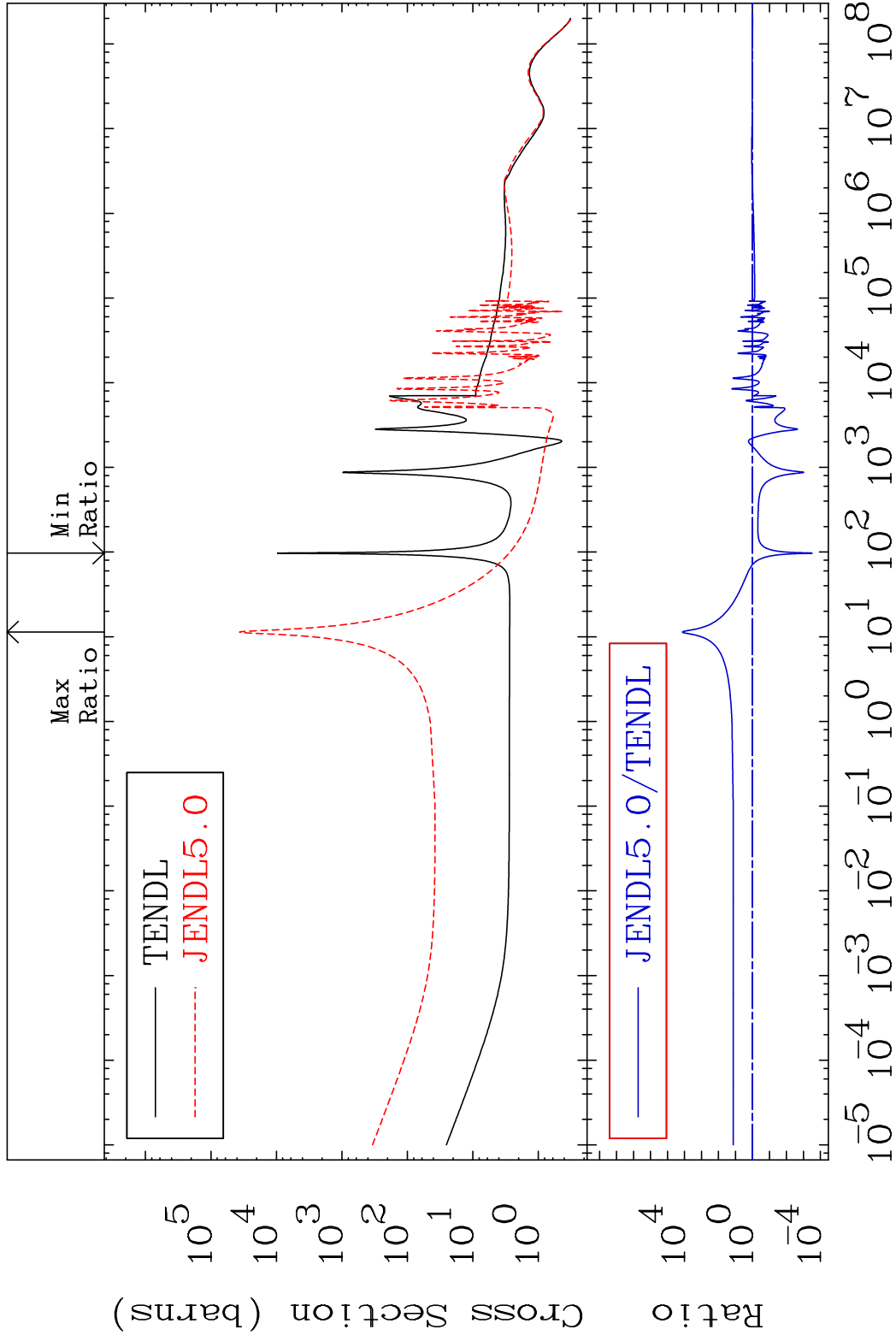
18-Ar-39

MAT 1834

Elastic

18-Ar-39

Cross Section -99.97 To 9999. %



2

Incident Energy (eV)

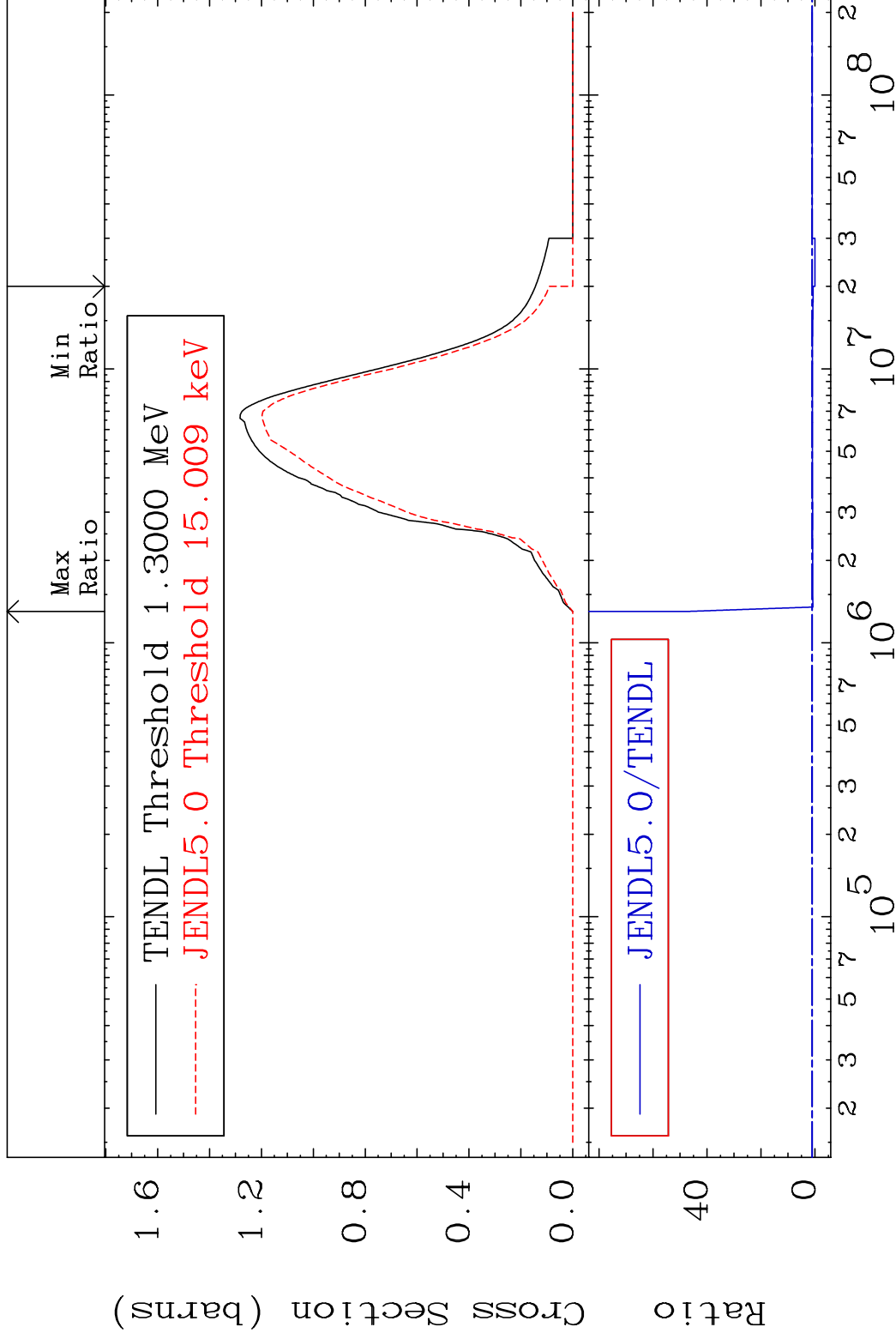
18-Ar-39

MAT 1834

Inelastic

18-Ar-39

Cross Section -100.0 To 4738. %



3

Incident Energy (eV)

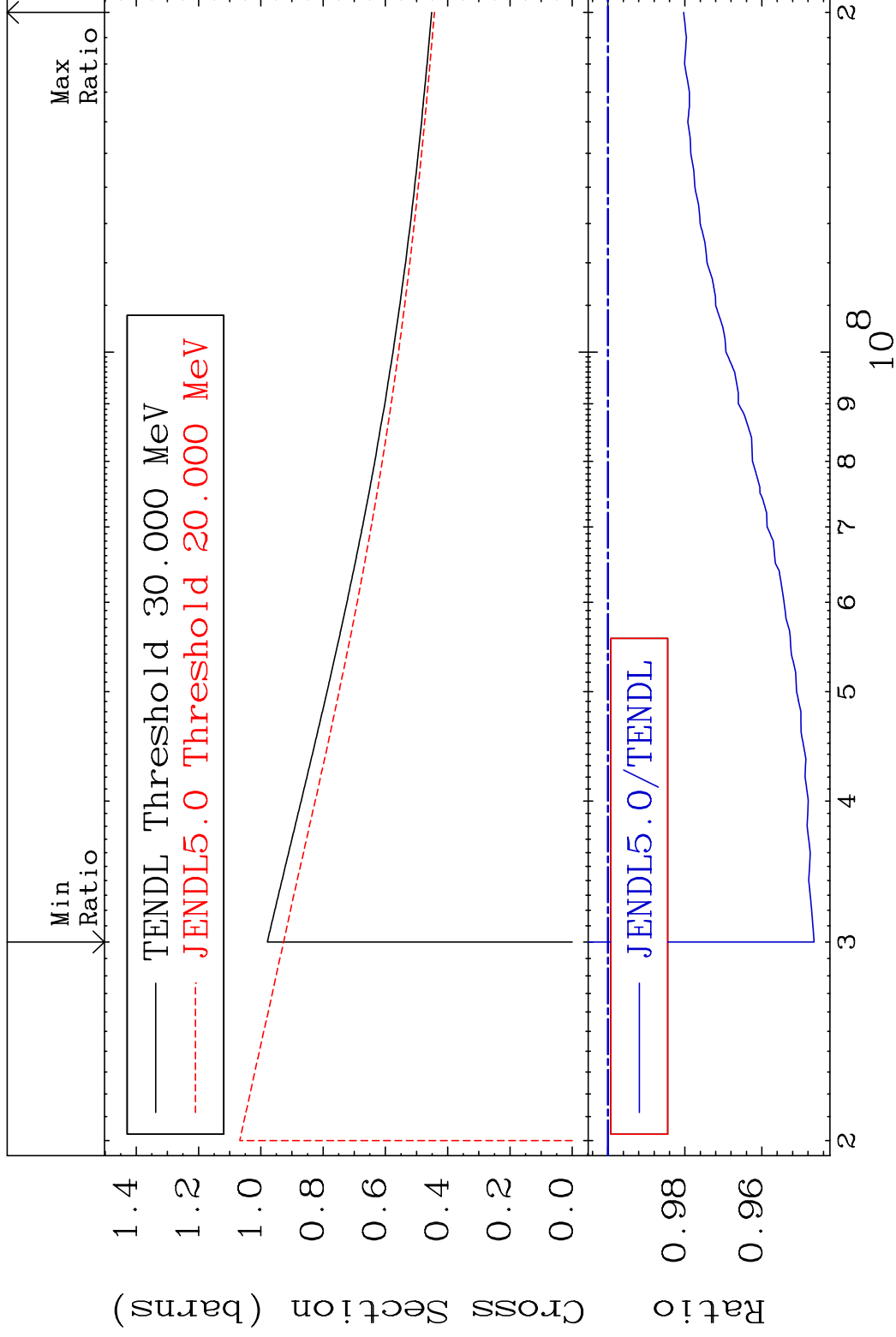
18-Ar-39

MAT 1834

(n, remainder)

18-Ar-39

Cross Section -5.358 To -1.968%



4

Incident Energy (eV)

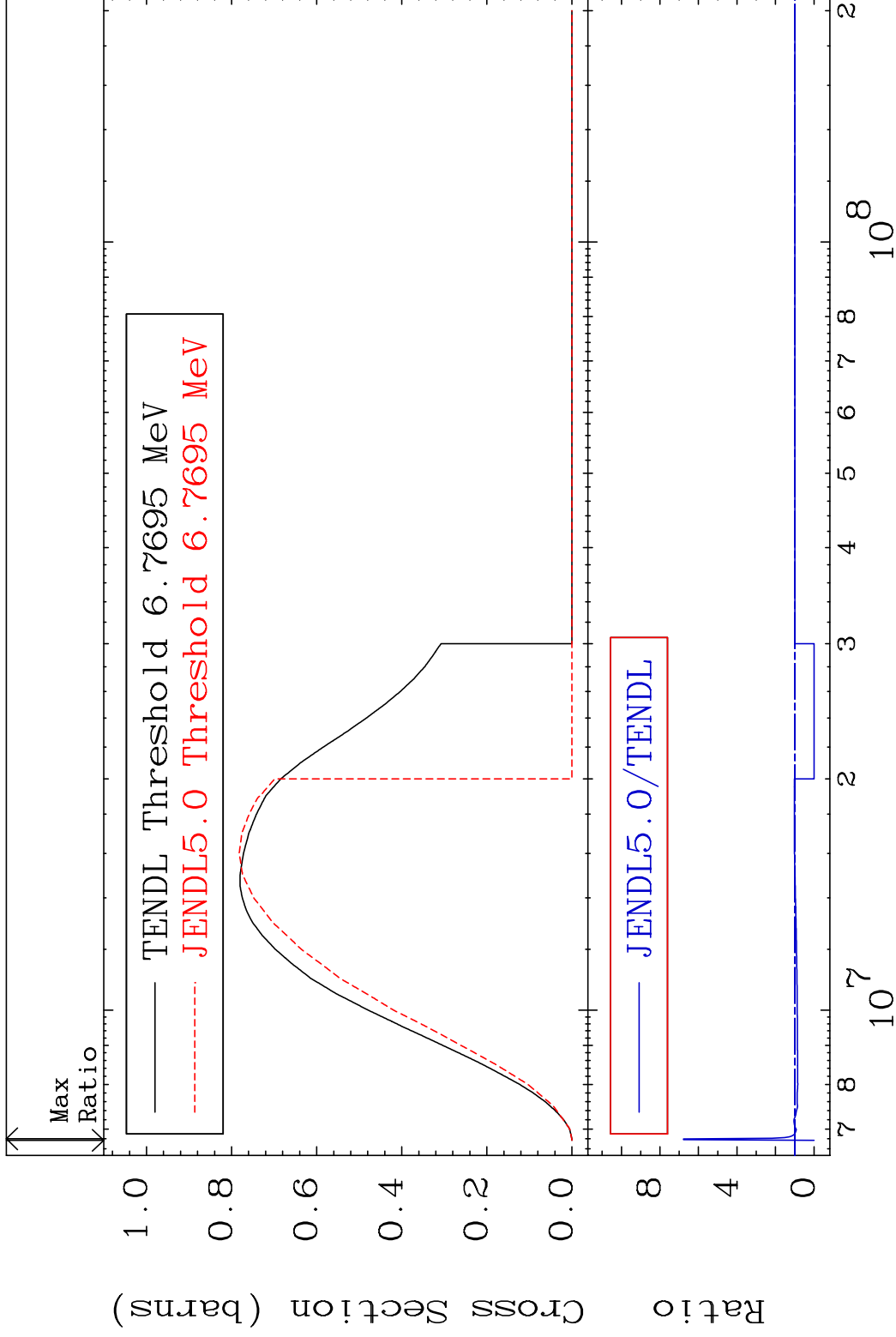
18-Ar-39

MAT 1834

(n,2n)

18-Ar-39

Cross Section -100.0 To 577.9 %



5

Incident Energy (eV)

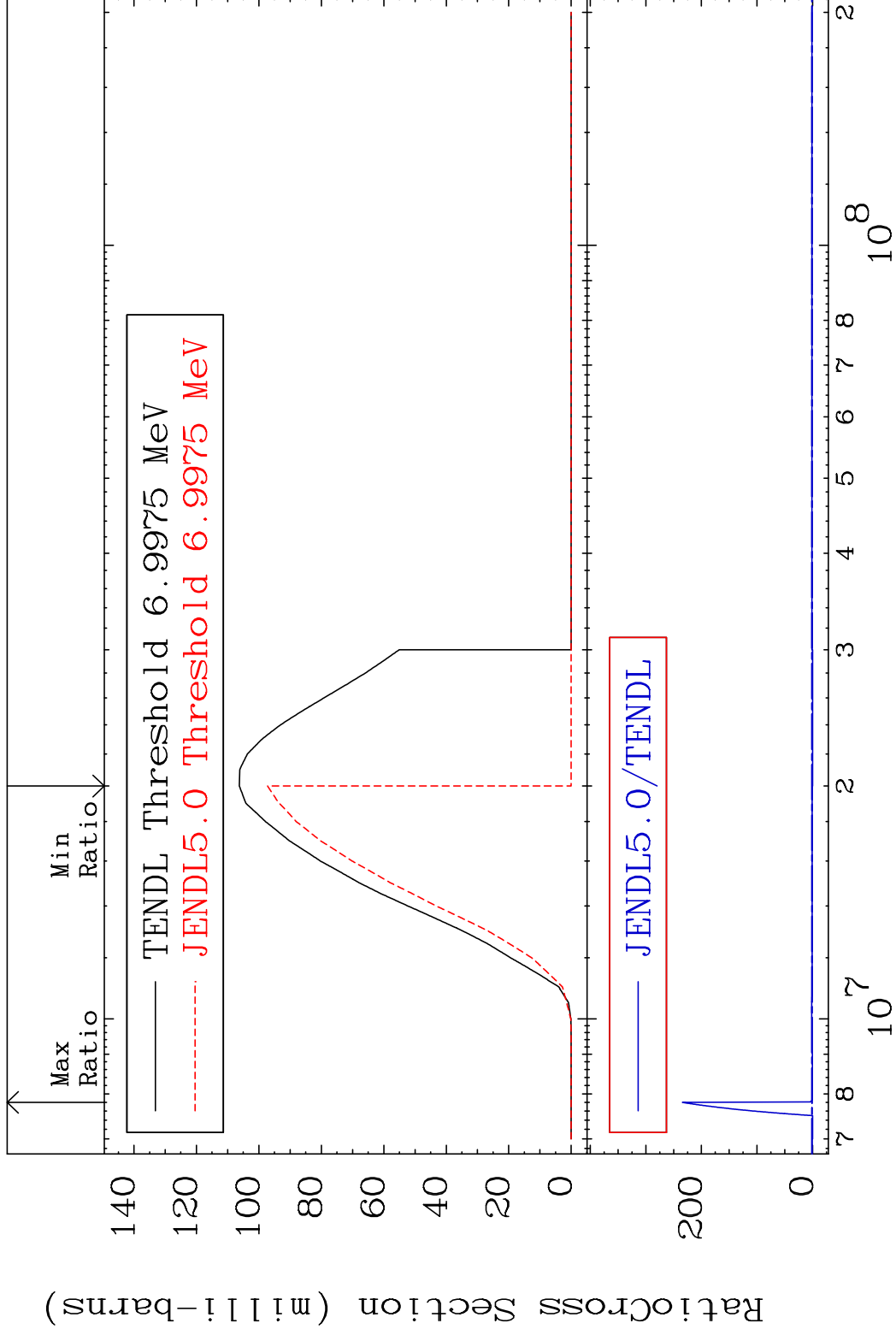
18-Ar-39

MAT 1834

(n, n')  $\alpha$

18-Ar-39

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

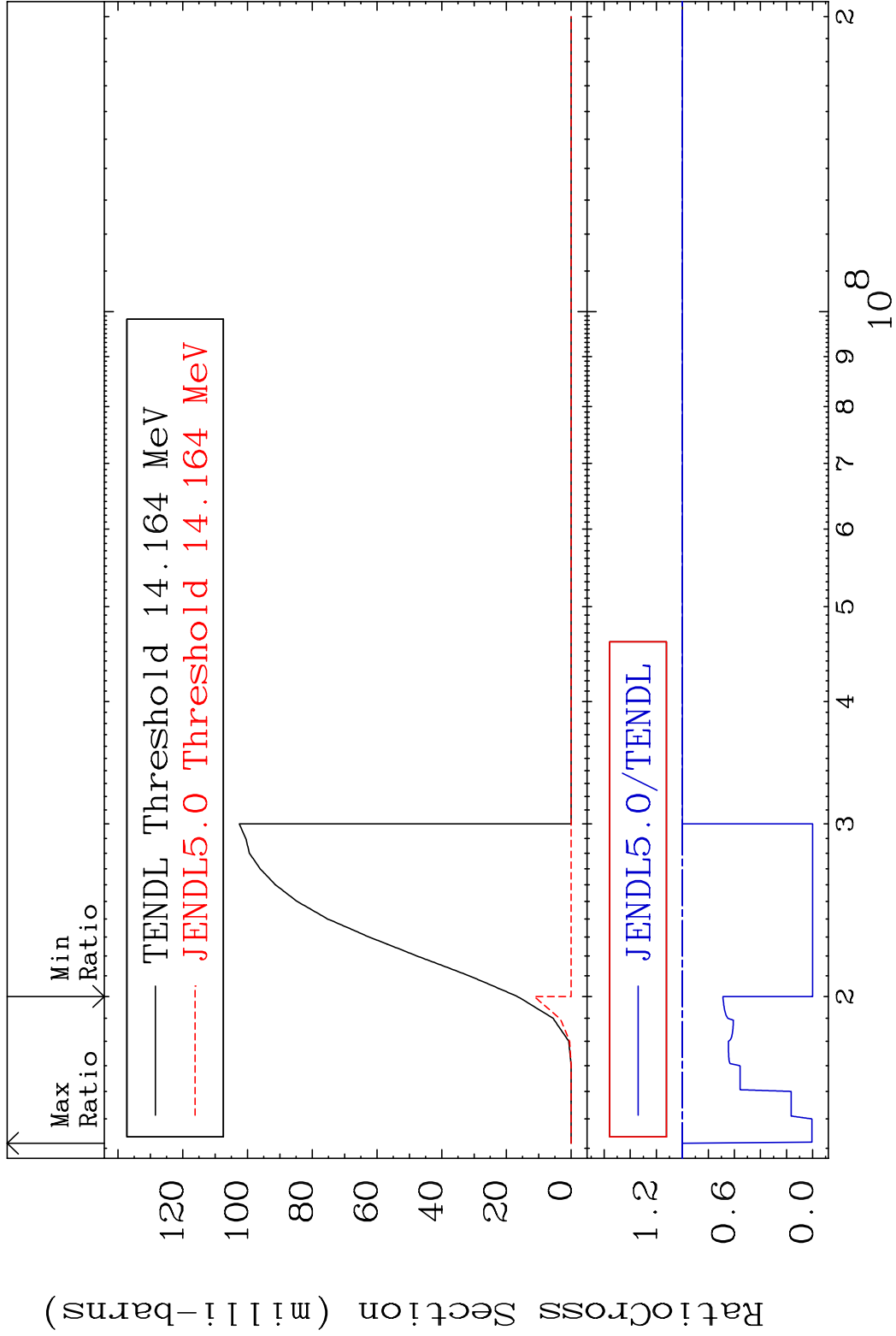
18-Ar-39

MAT 1834

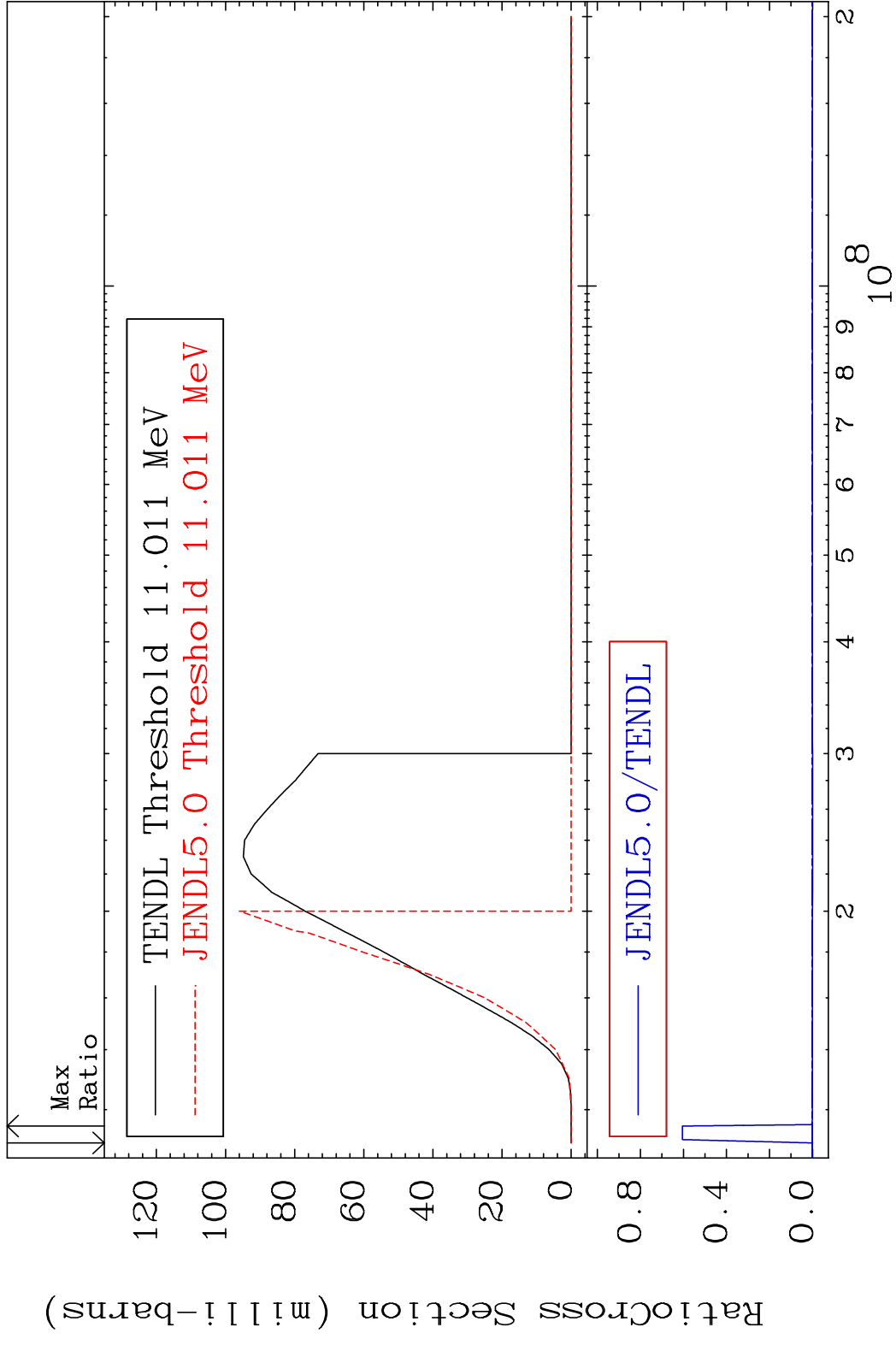
(n,2n)  $\alpha$

18-Ar-39

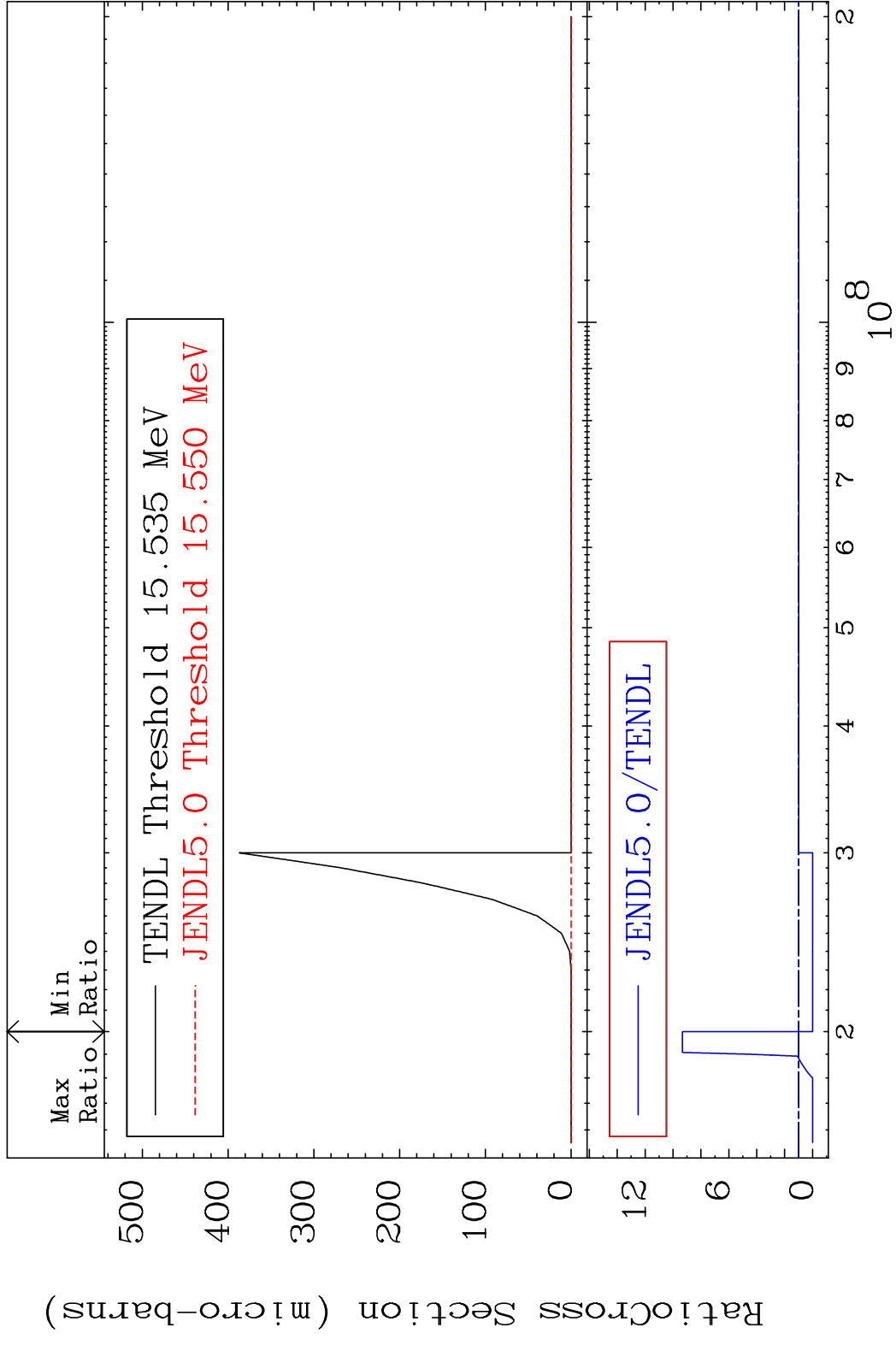
Cross Section -100.0 To 0.000 %



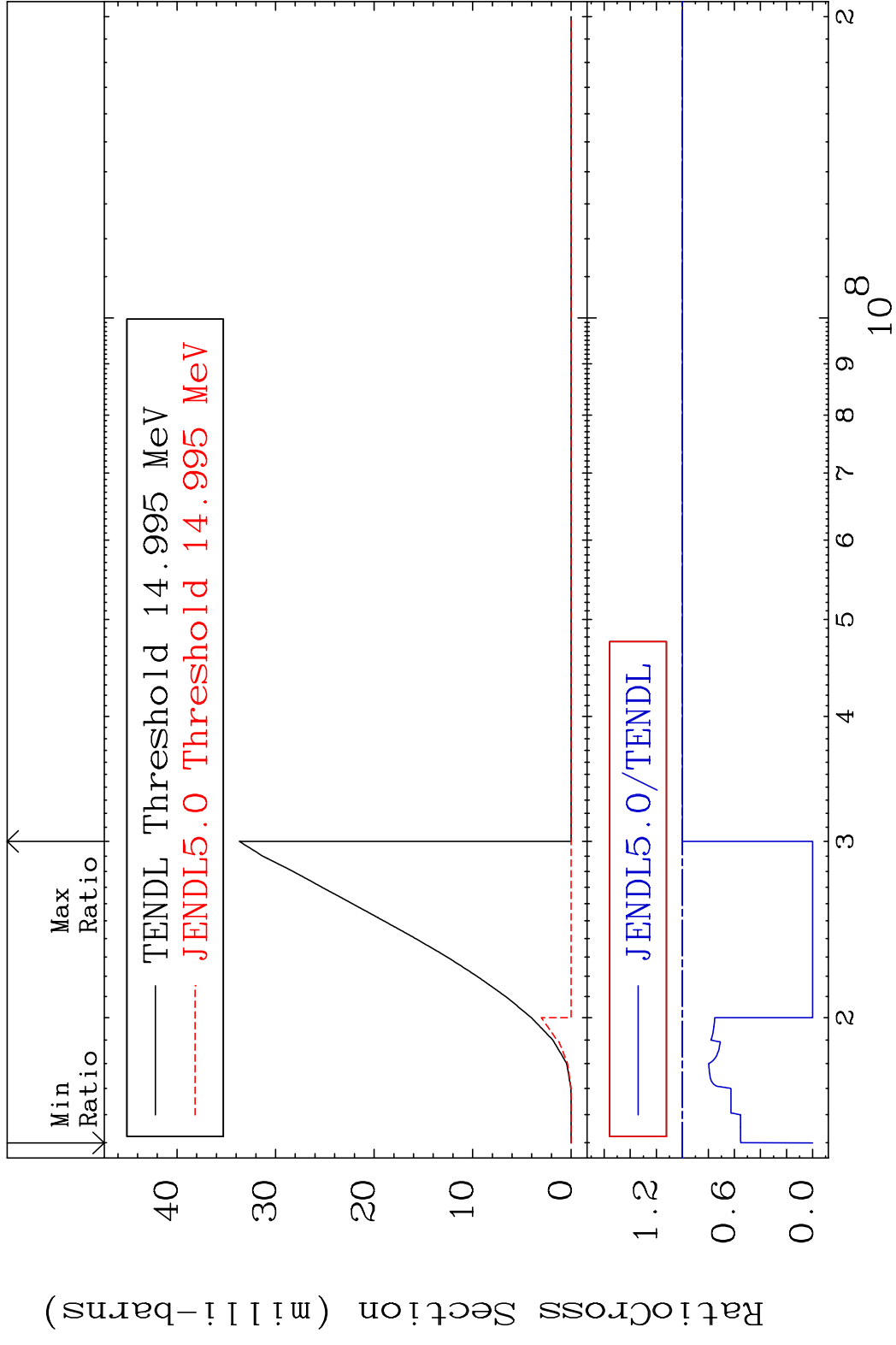
MAT 1834 (n, n') p 18-Ar-39  
 Cross Section -100.0 To 9999. %



MAT 1834 (n, n') 2α 18-Ar-39  
 Cross Section -100.0 To 833.2 %



MAT 1834 (n, n') d 18-Ar-39  
 Cross Section -100.0 To 0.000 %



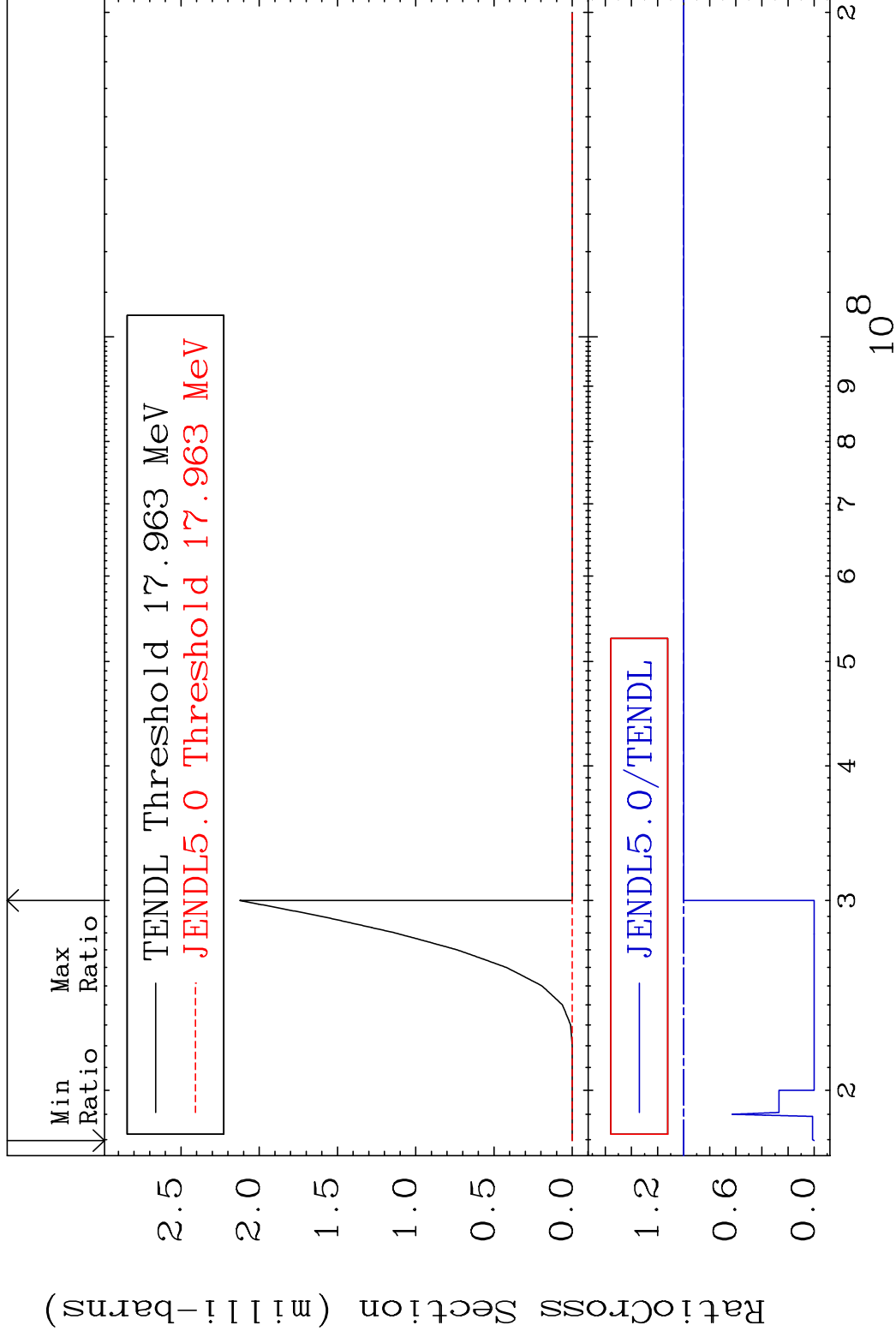
10 Incident Energy (eV) 18-Ar-39

MAT 1834

(n,n') He-3

18-Ar-39

Cross Section -100.0 To 0.000 %

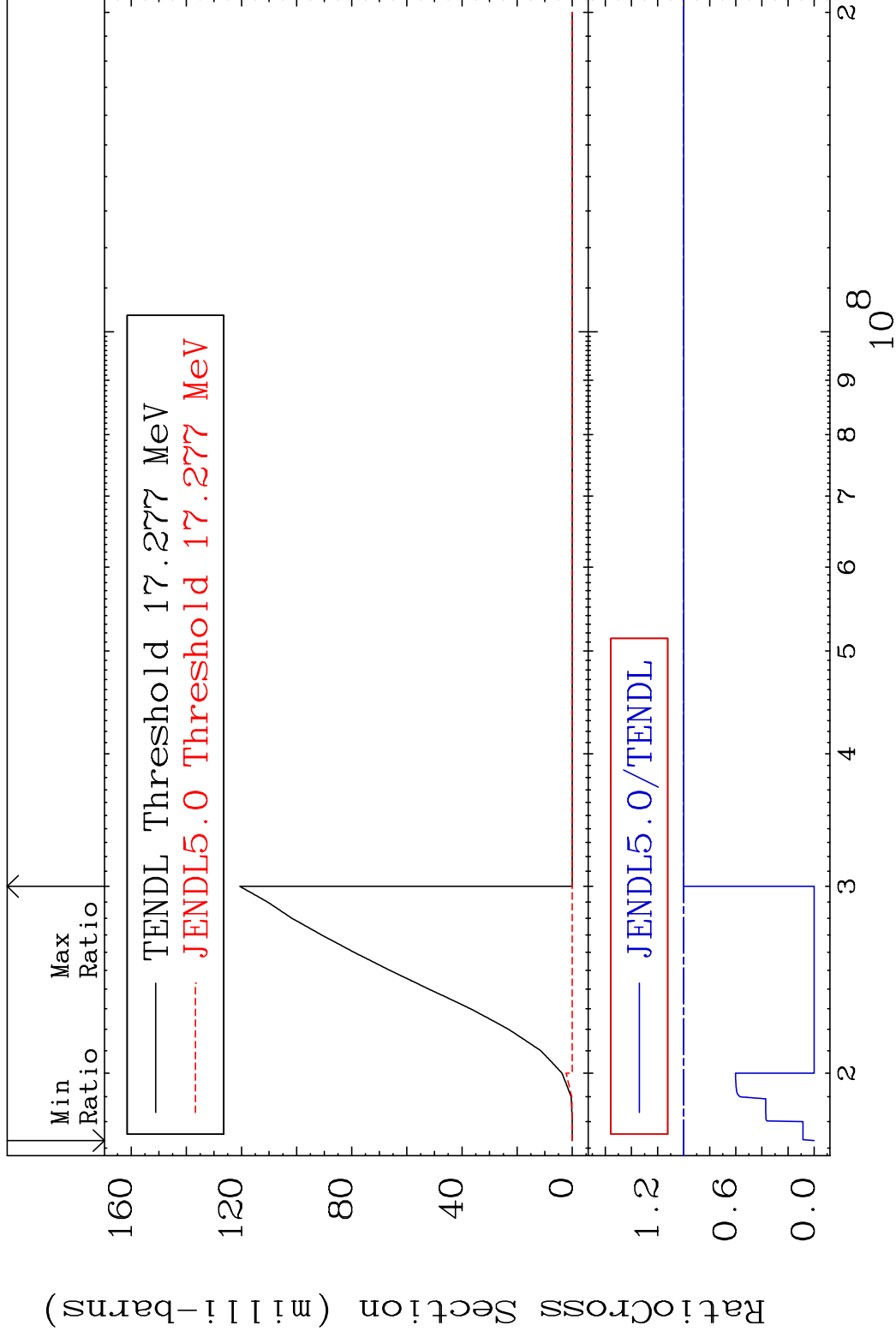


MAT 1834

(n,2n) p

18-Ar-39

Cross Section -100.0 To 0.000 %

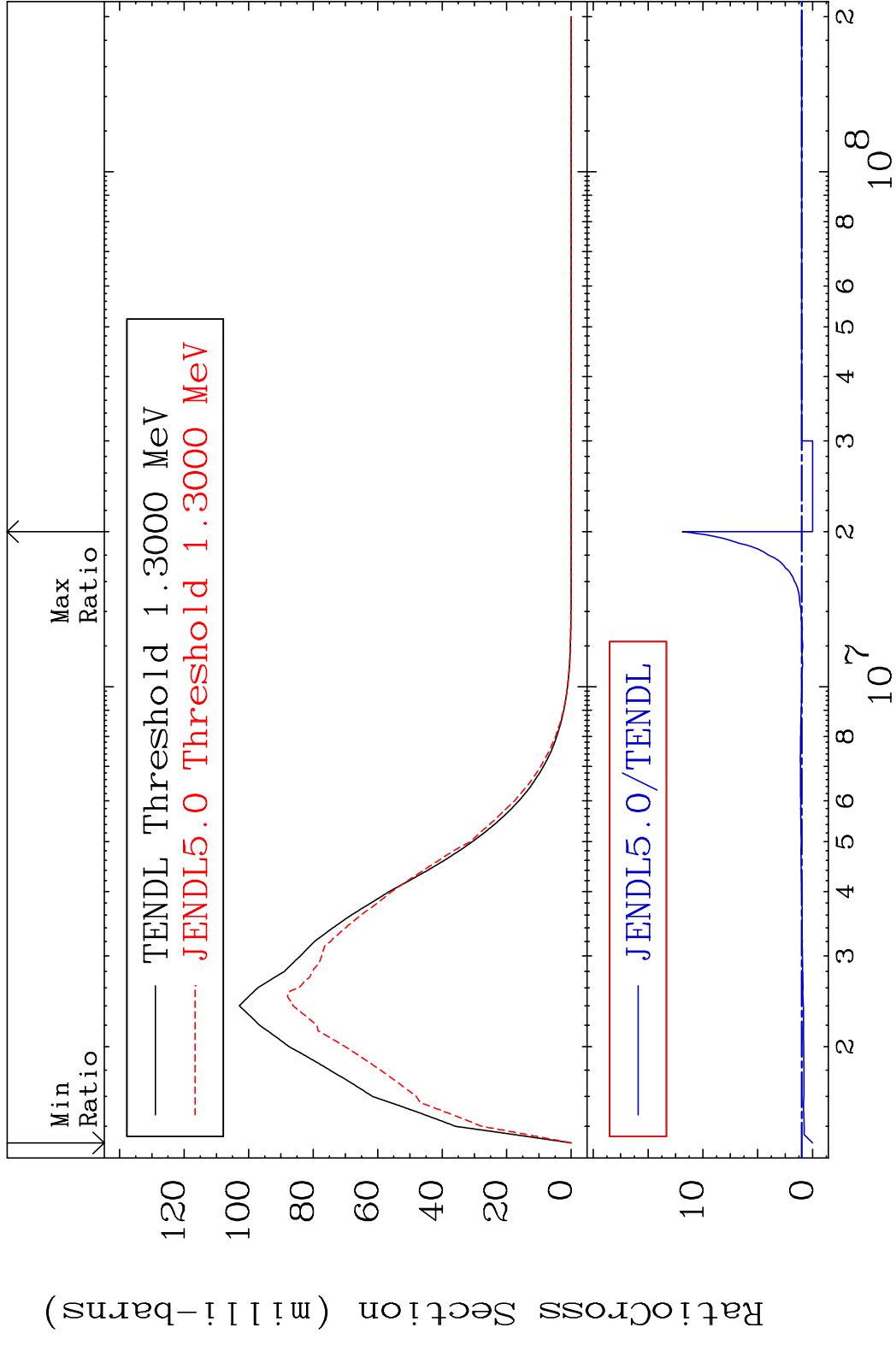


12

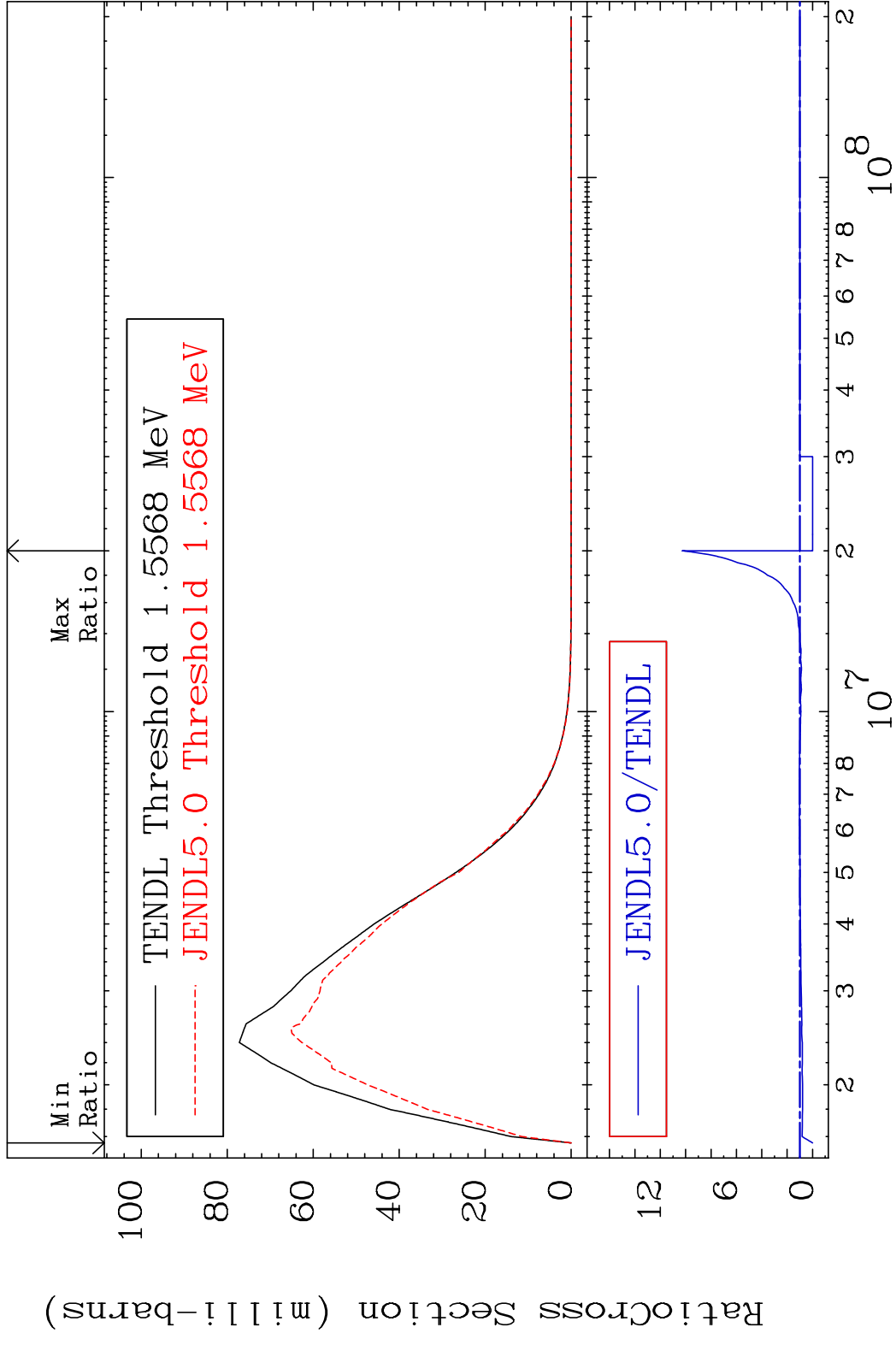
Incident Energy (eV)

18-Ar-39

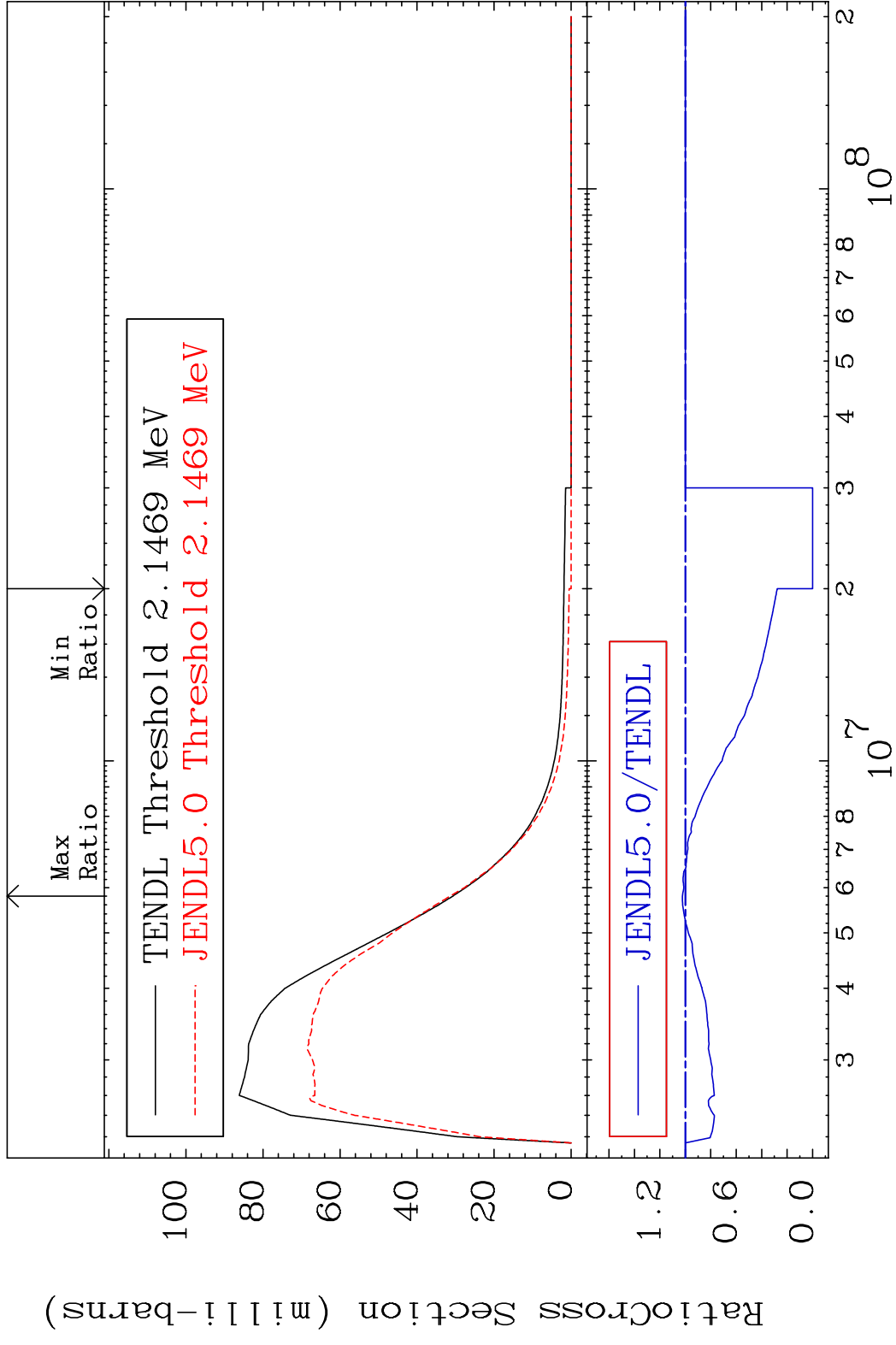
MAT 1834 MT= 51 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1087. %



MAT 1834 MT= 52 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 926.1 %

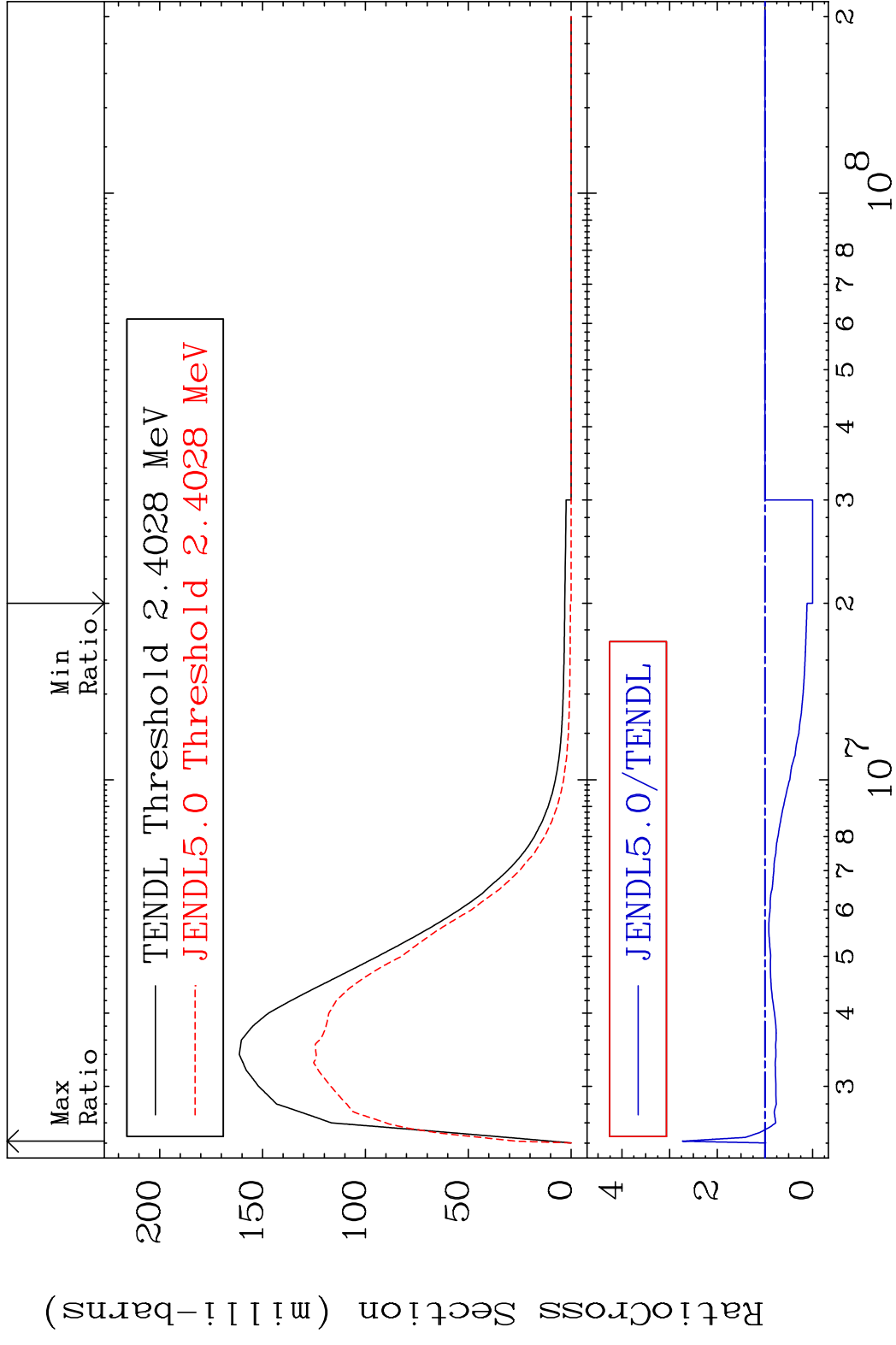


MAT 1834 MT= 53 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 2.311 %

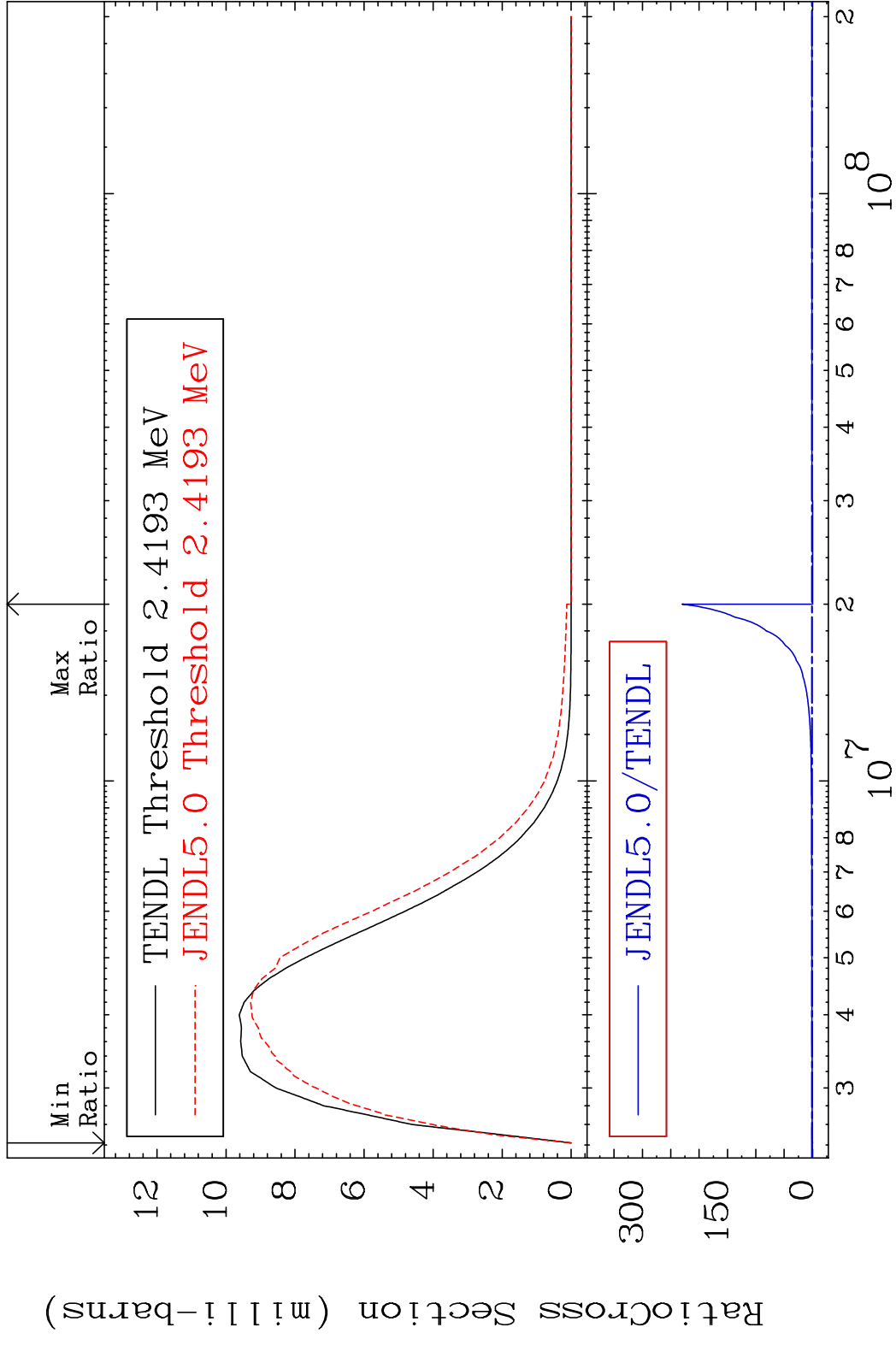


15 Incident Energy (eV) 18-Ar-39

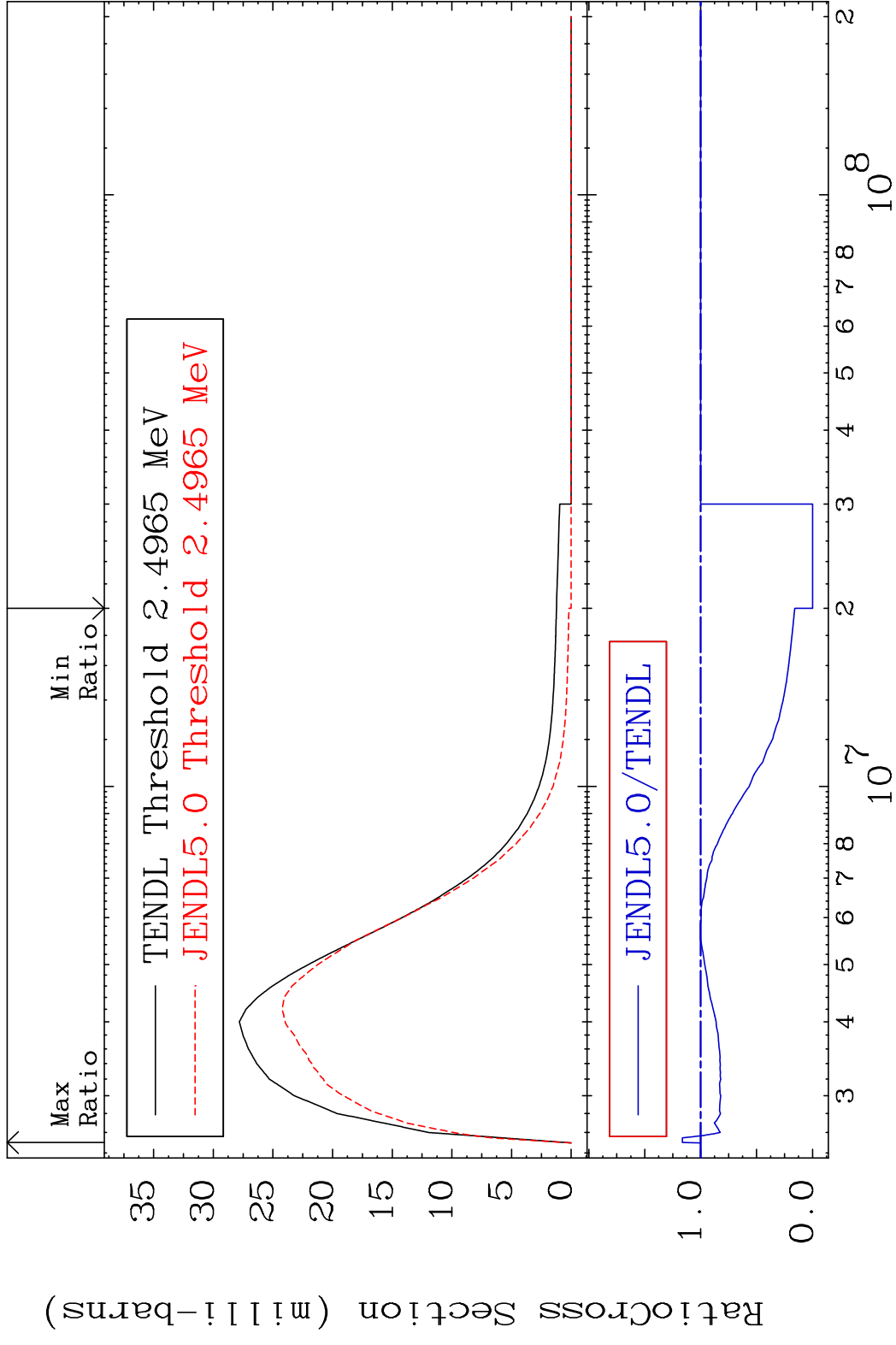
MAT 1834 MT= 54 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 173.2 %



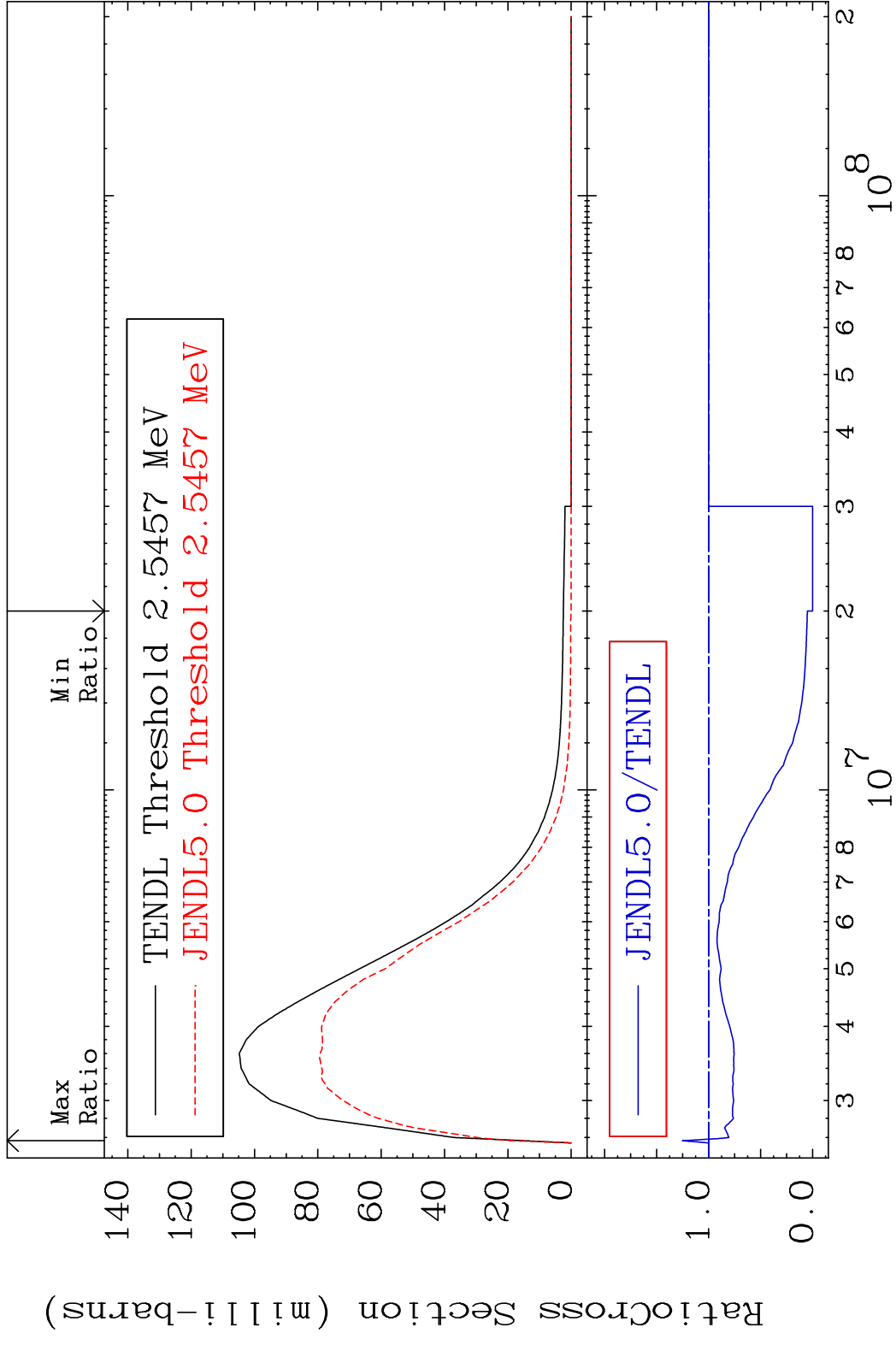
MAT 1834 MT= 55 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



MAT 1834 MT= 56 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 16.37 %

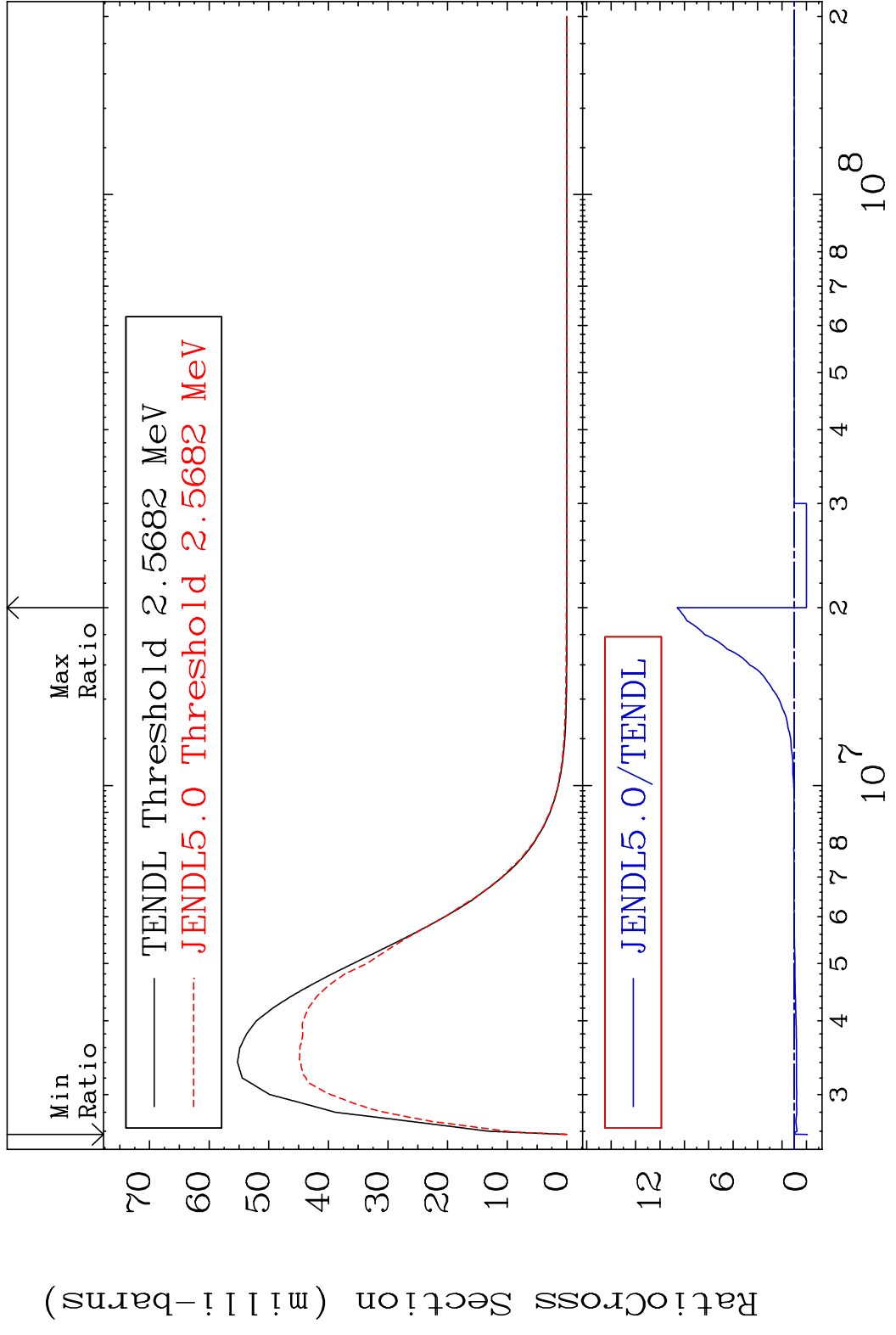


MAT 1834 MT= 57 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 25.27 %

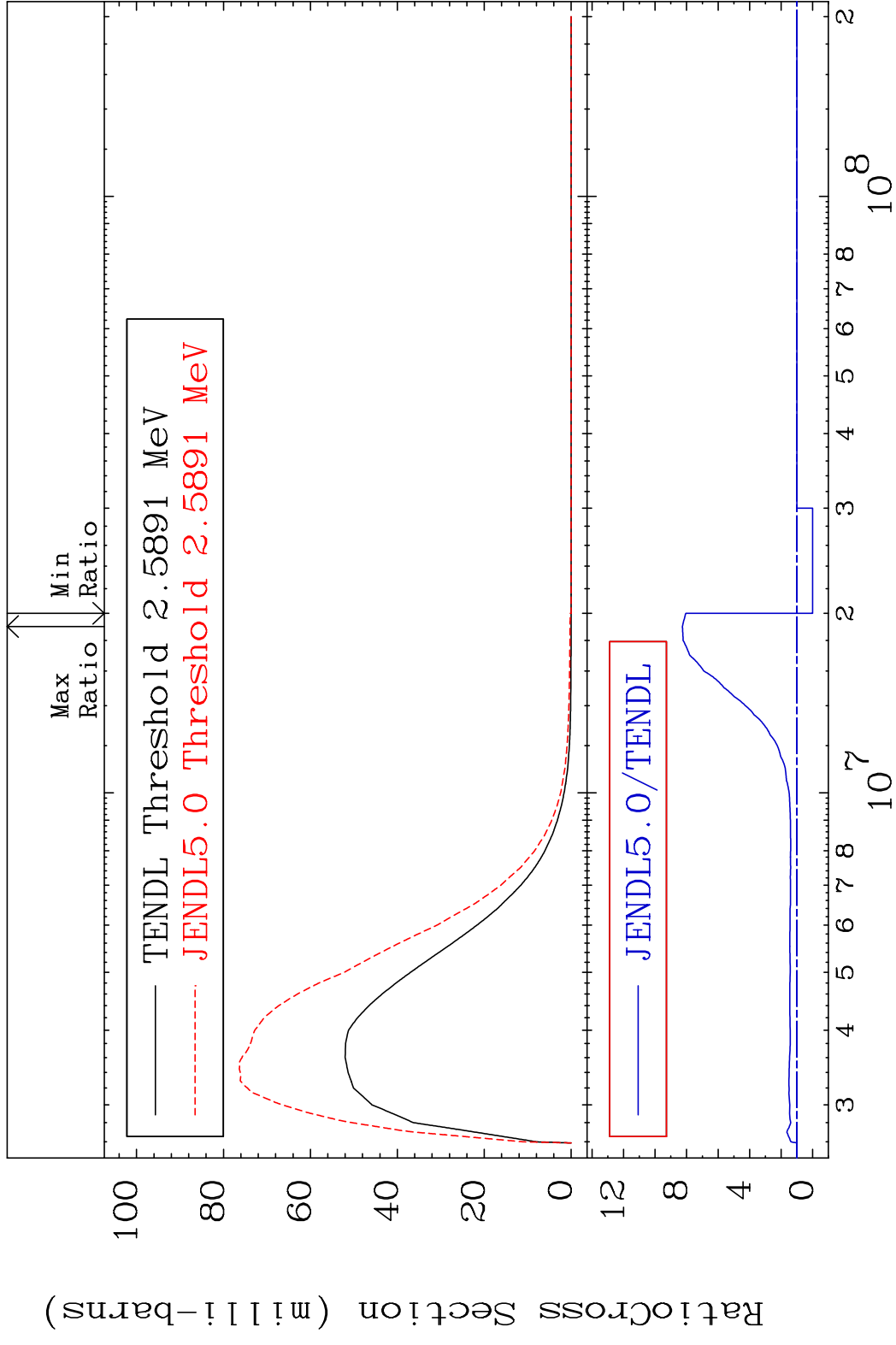


19 Incident Energy (eV) 18-Ar-39

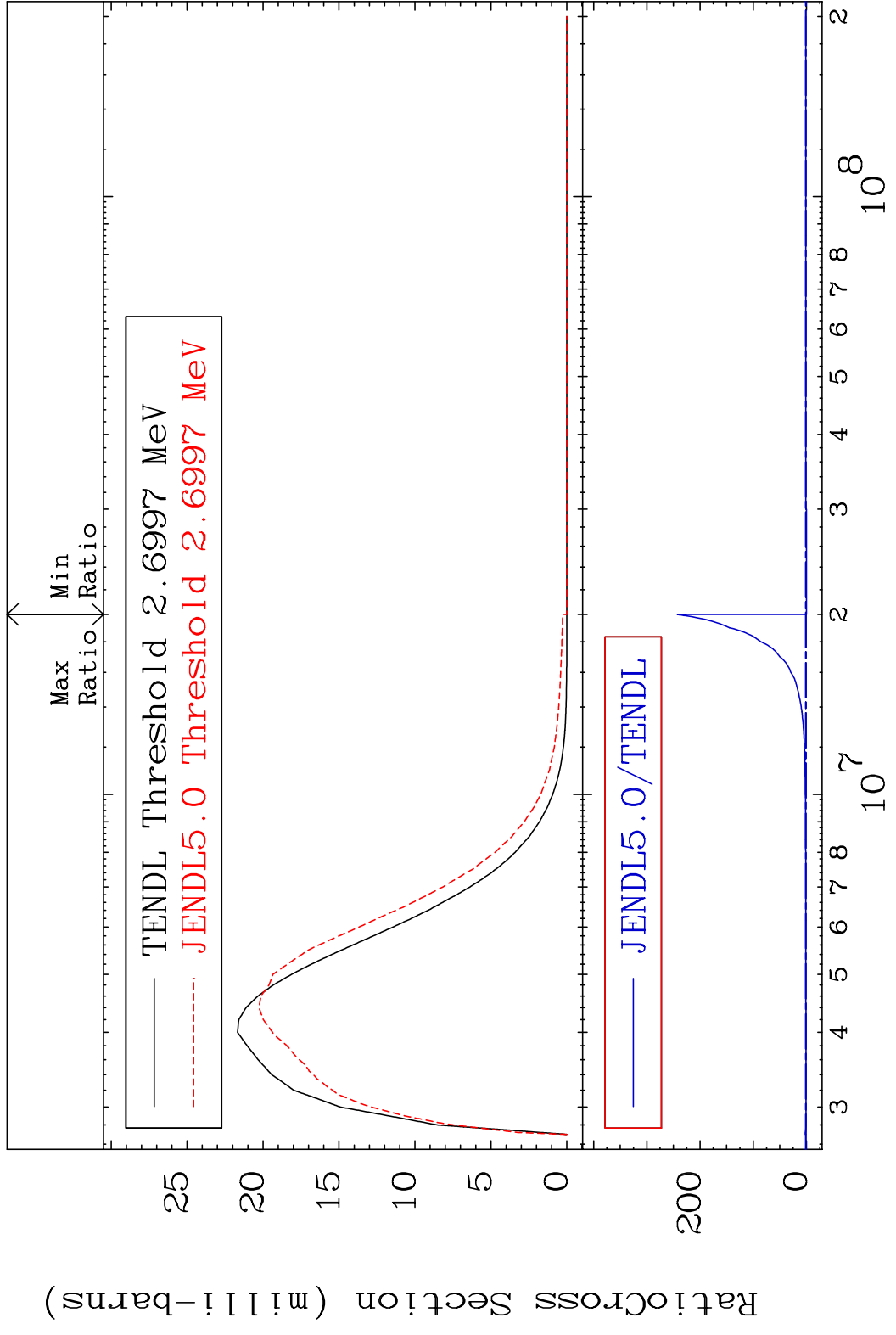
MAT 1834 MT= 58 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 959.0 %



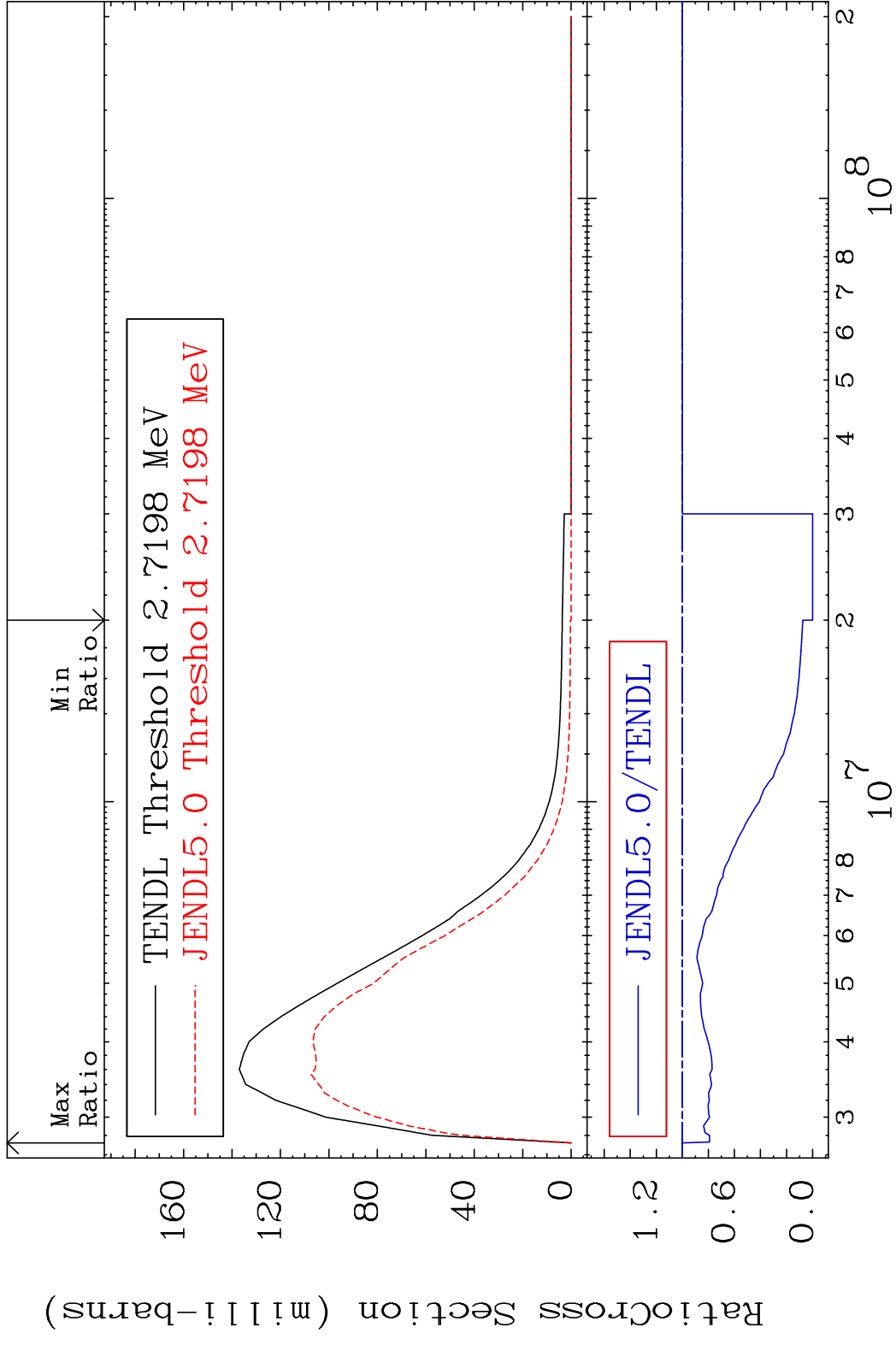
MAT 1834 MT= 59 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 727.0 %



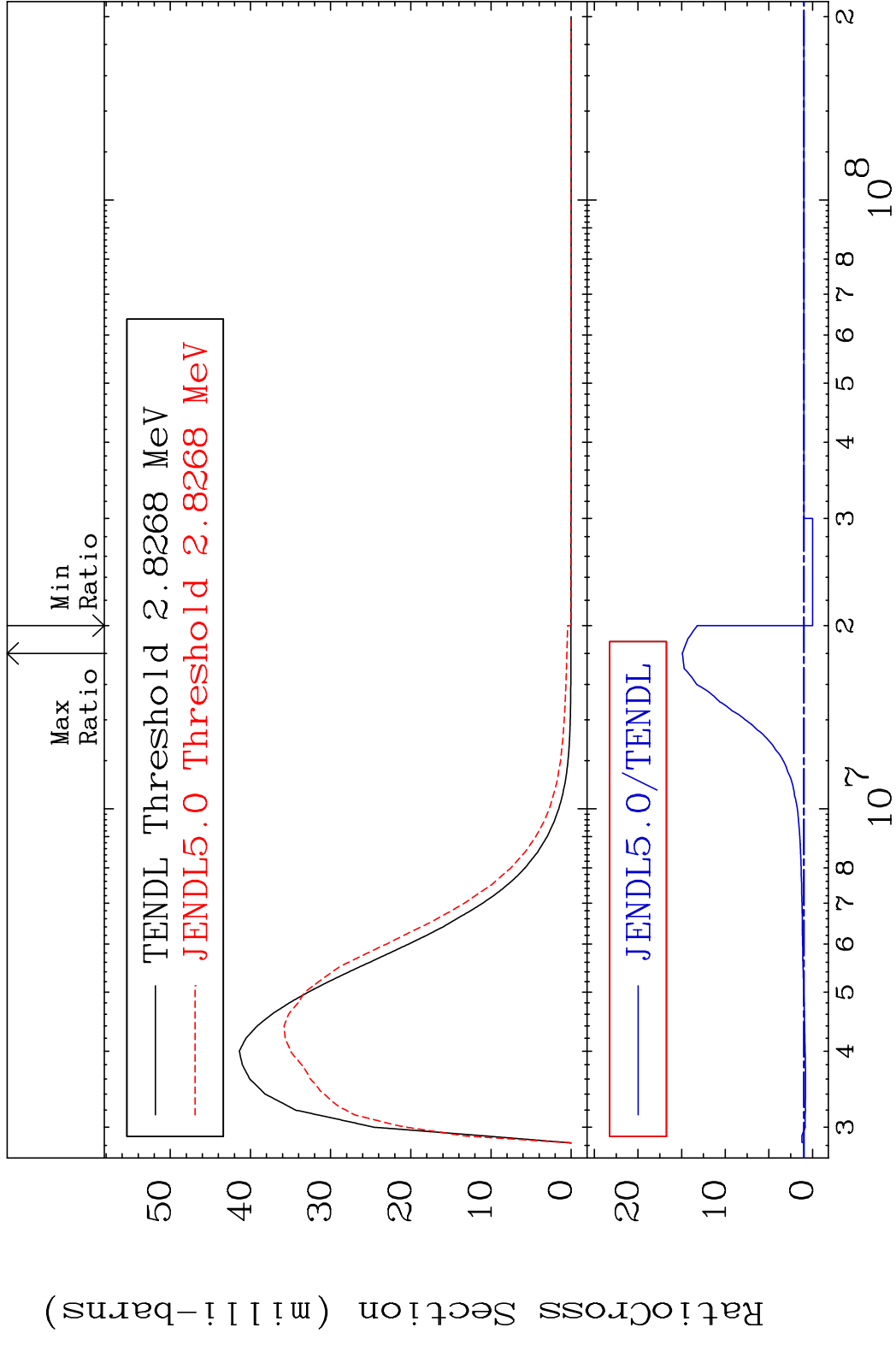
MAT 1834 MT= 60 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



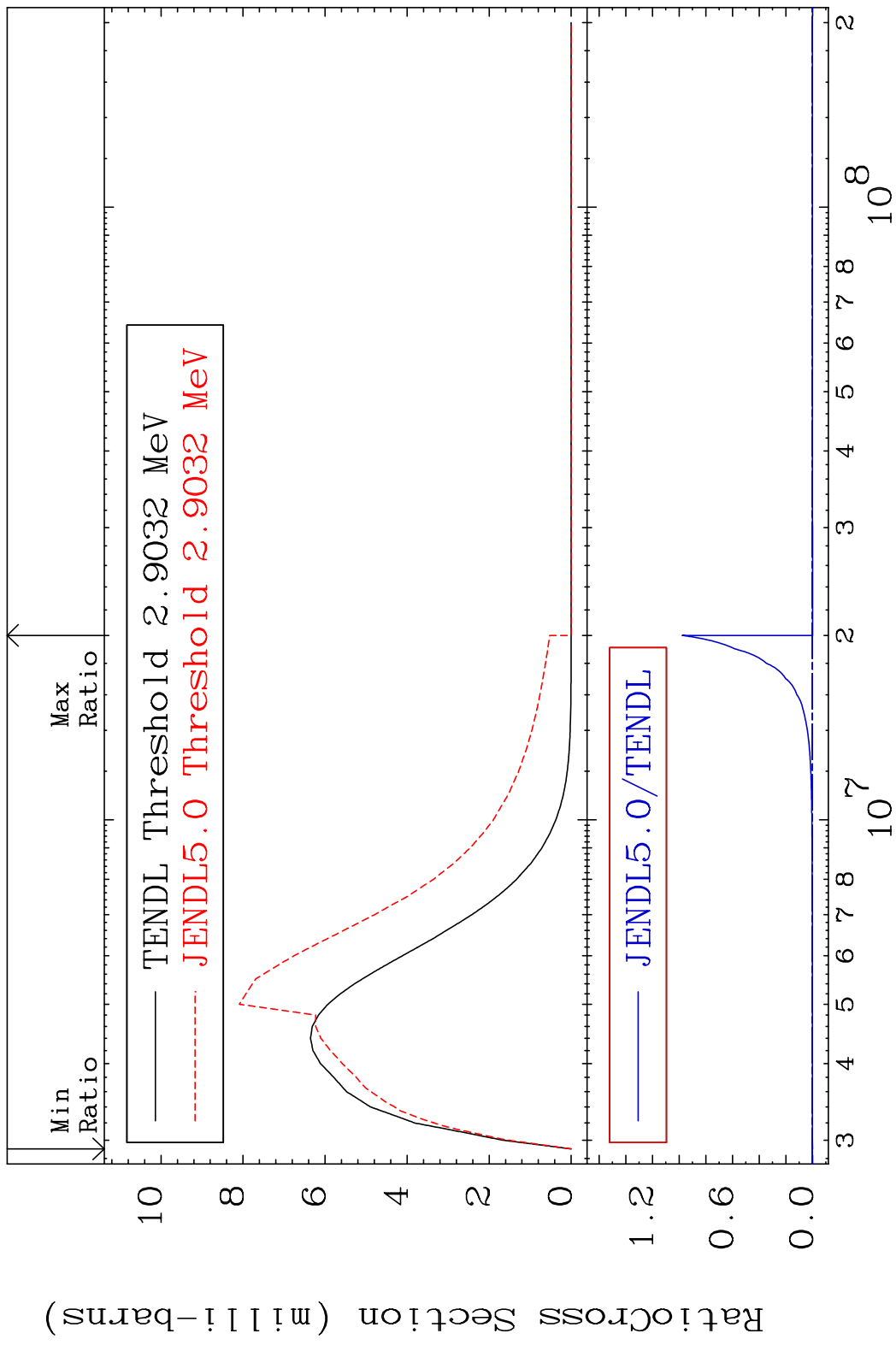
MAT 1834 MT= 61 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 0.000 %



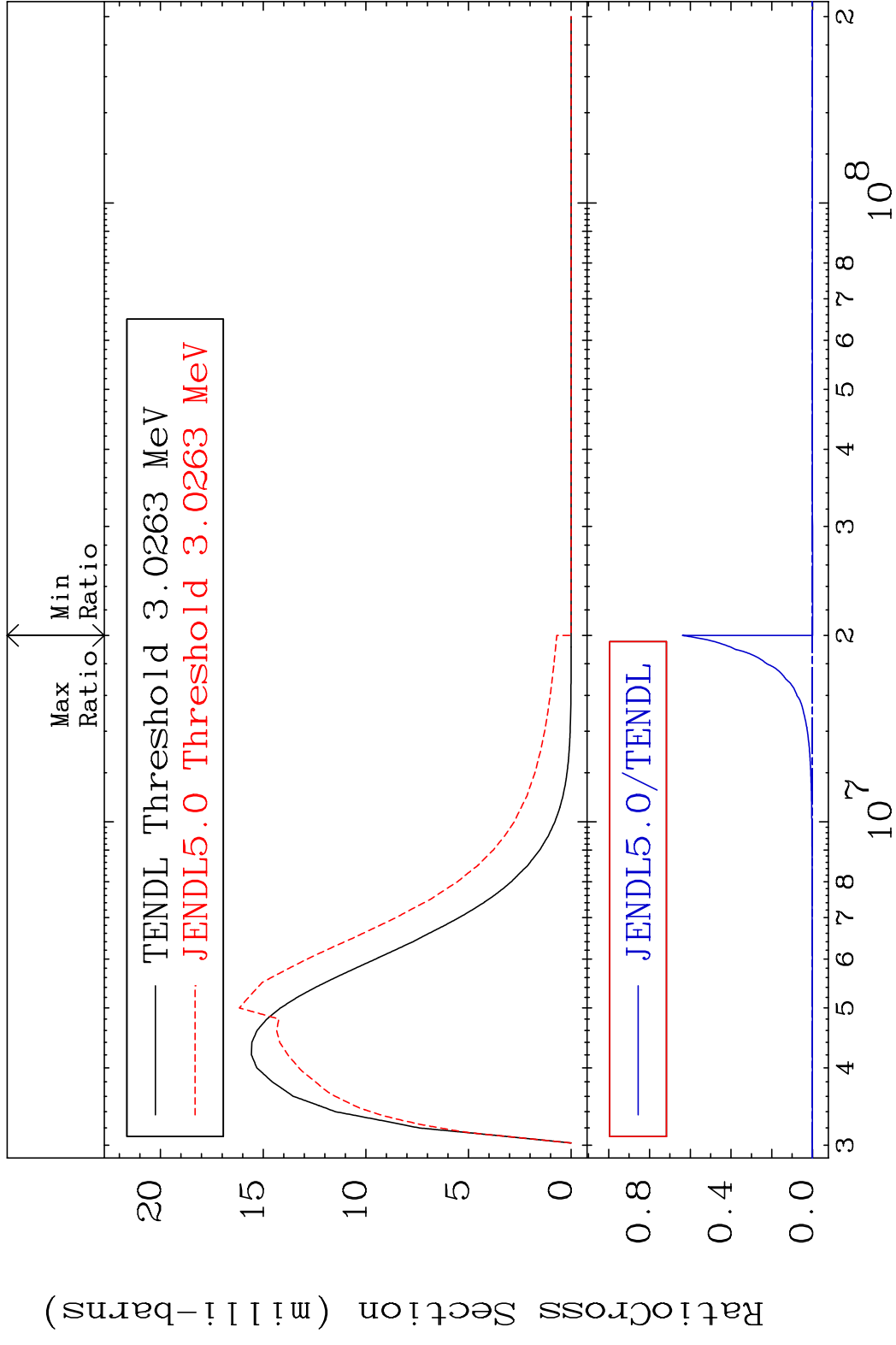
MAT 1834 MT= 62 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1392. %



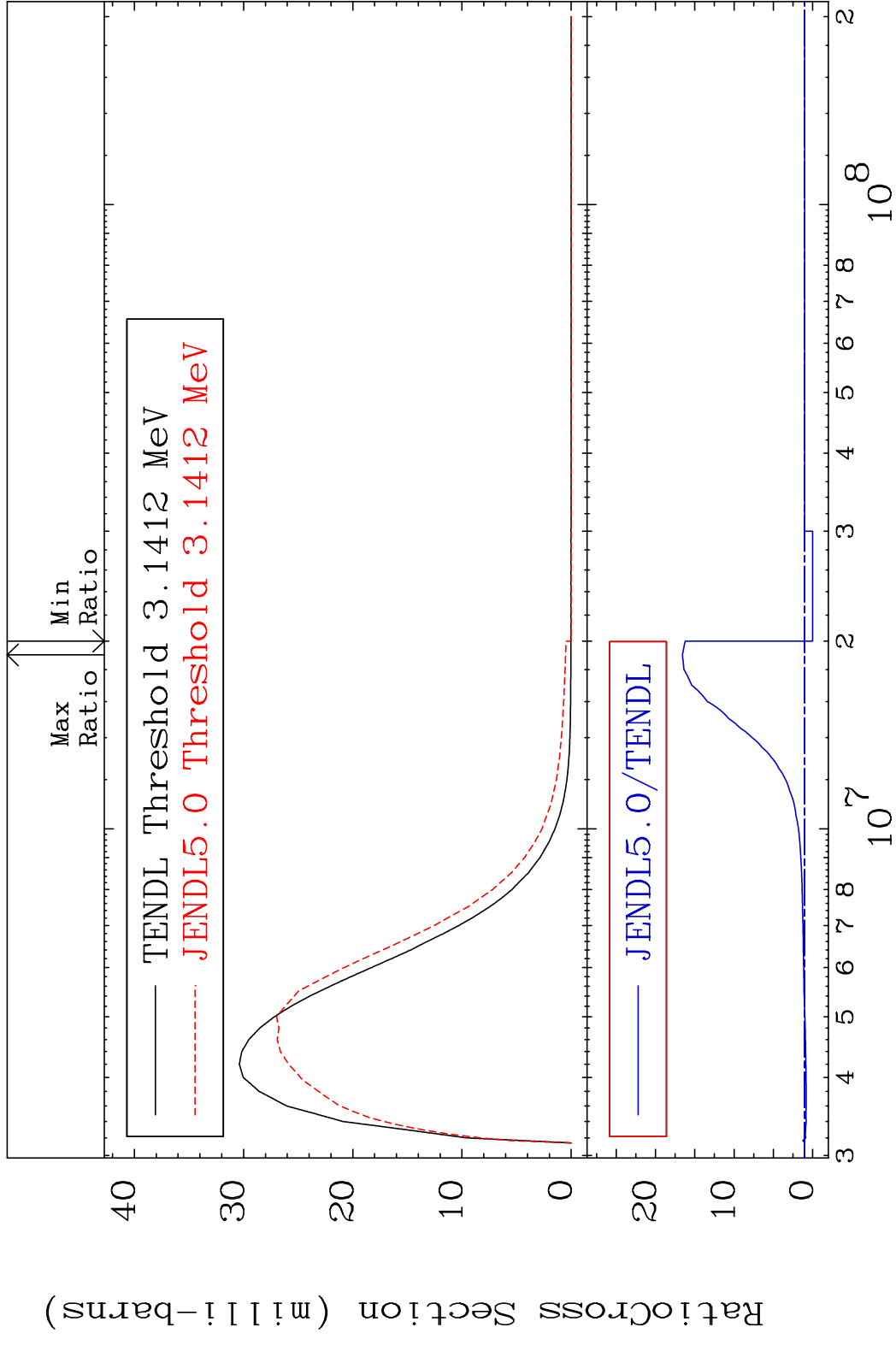
MAT 1834 MT= 63 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



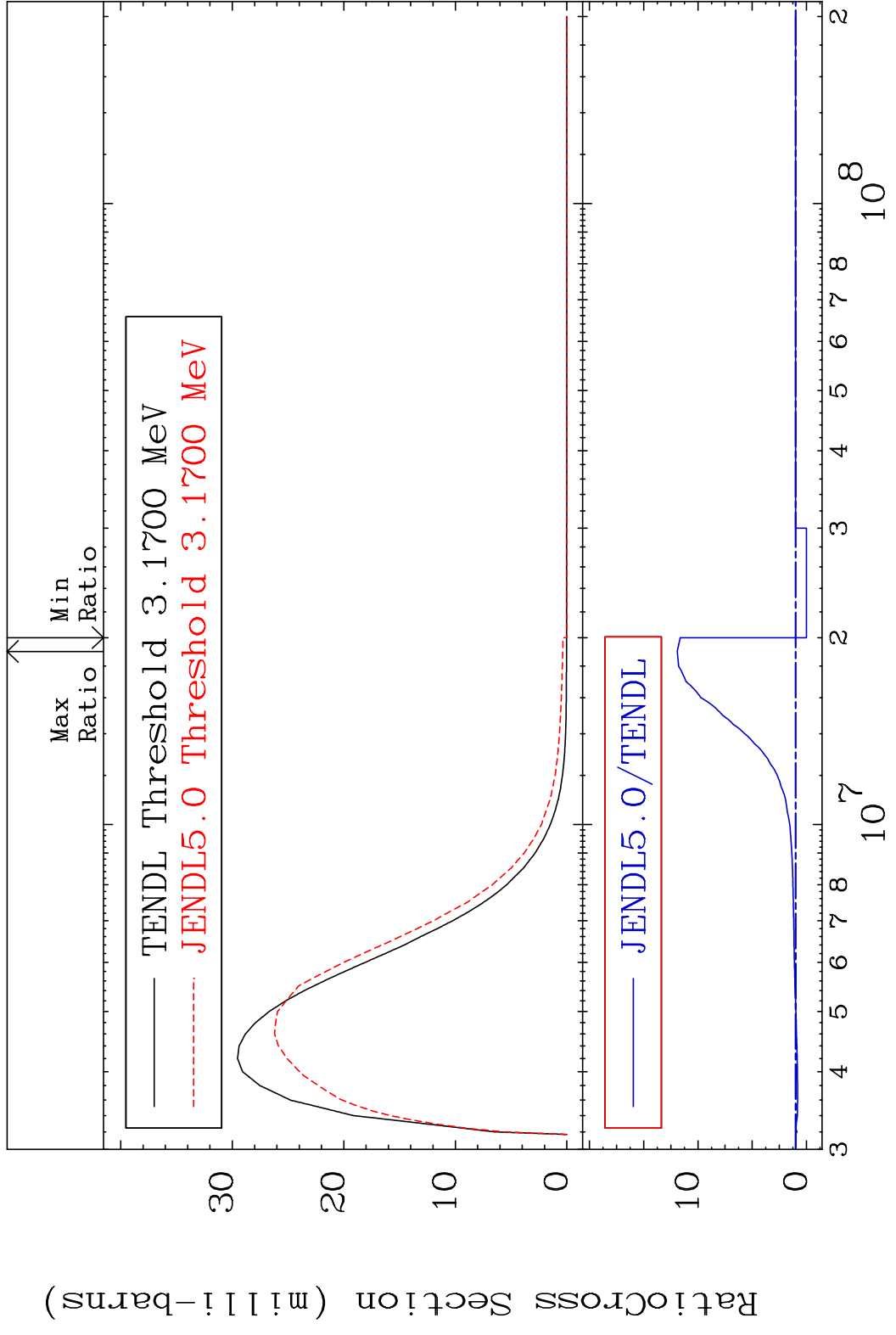
MAT 1834 MT= 64 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



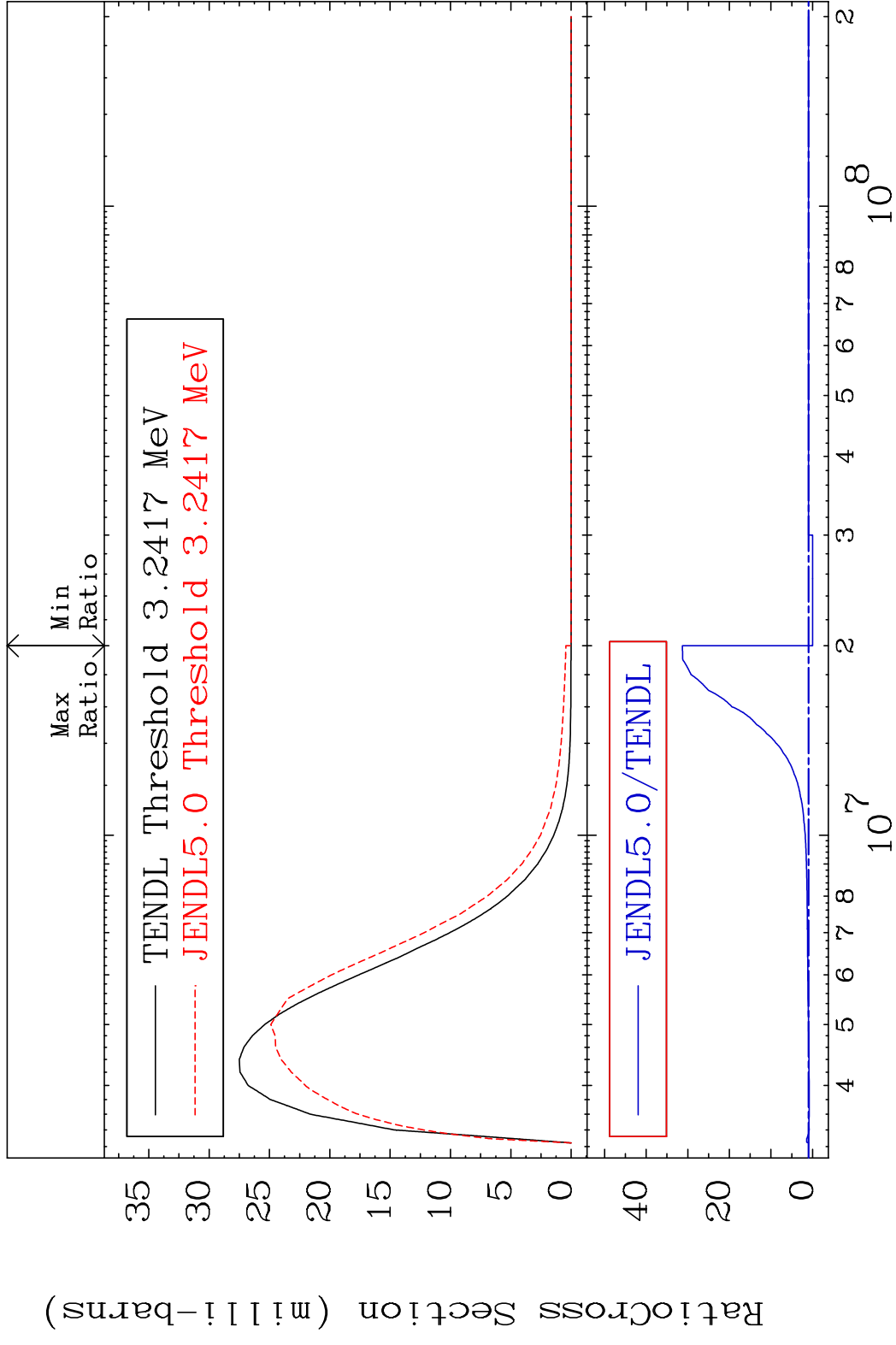
MAT 1834 MT= 65 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1558. %



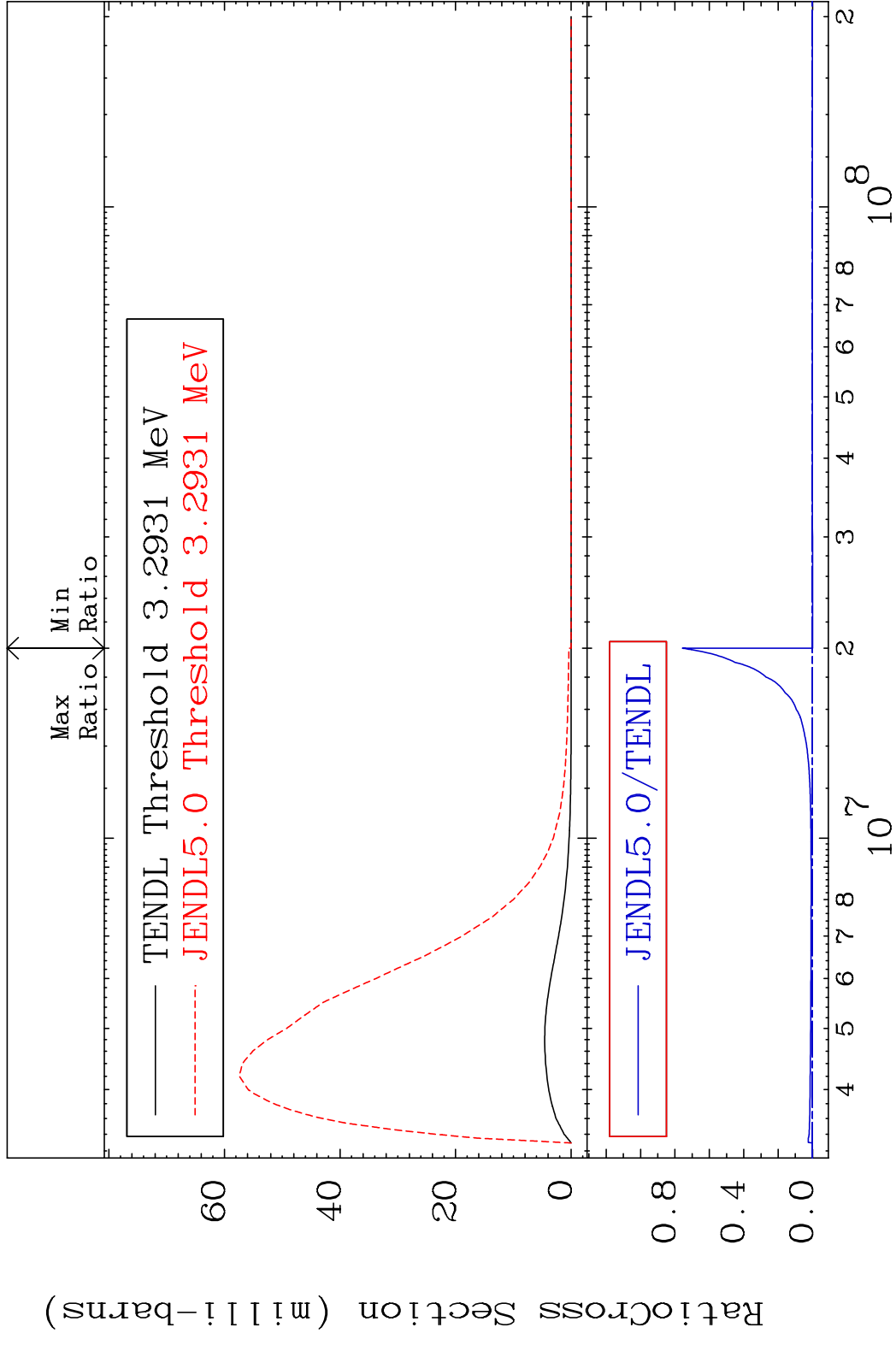
MAT 1834 MT= 66 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 1092. %



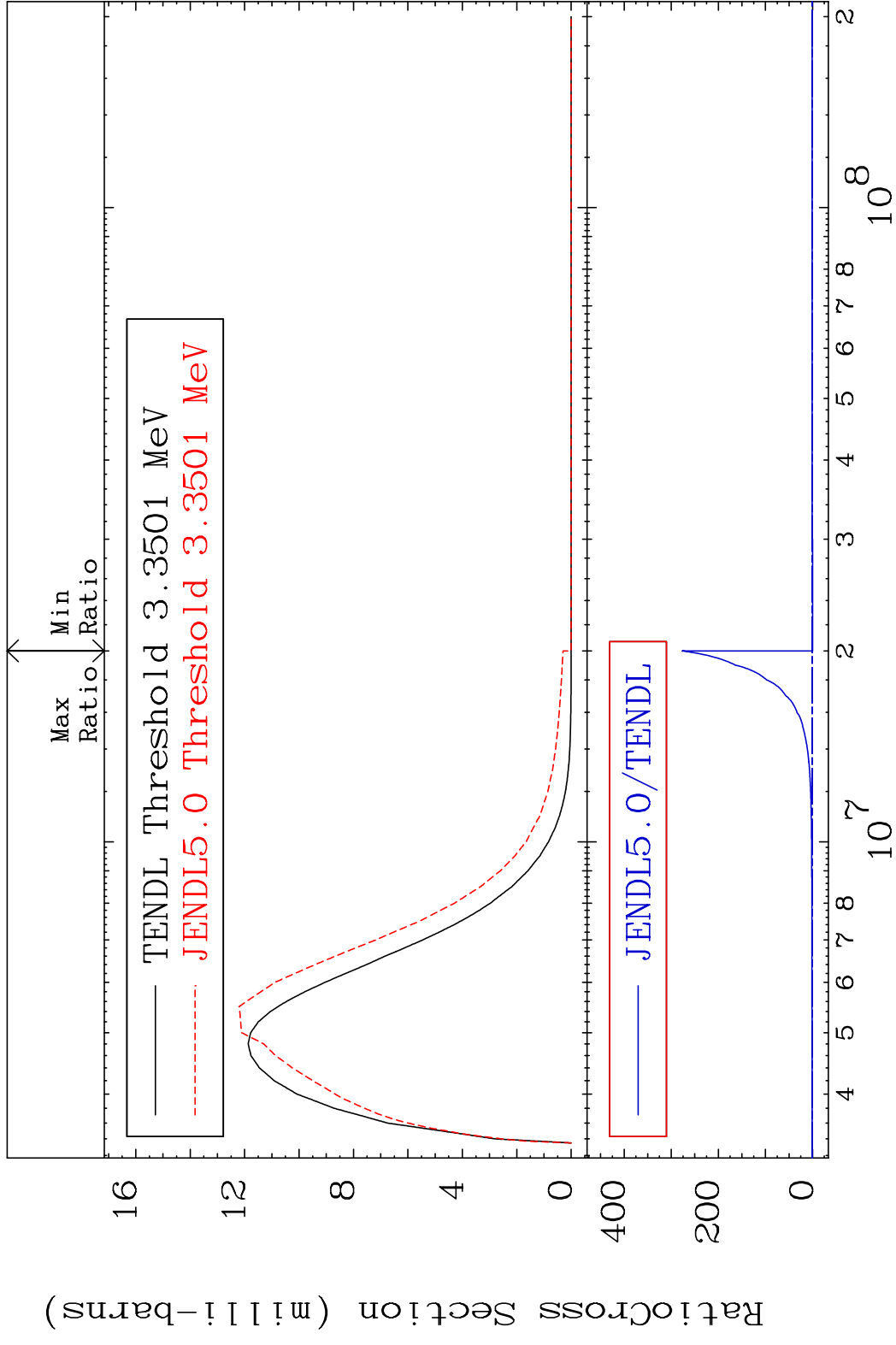
MAT 1834 MT= 67 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 3030. %



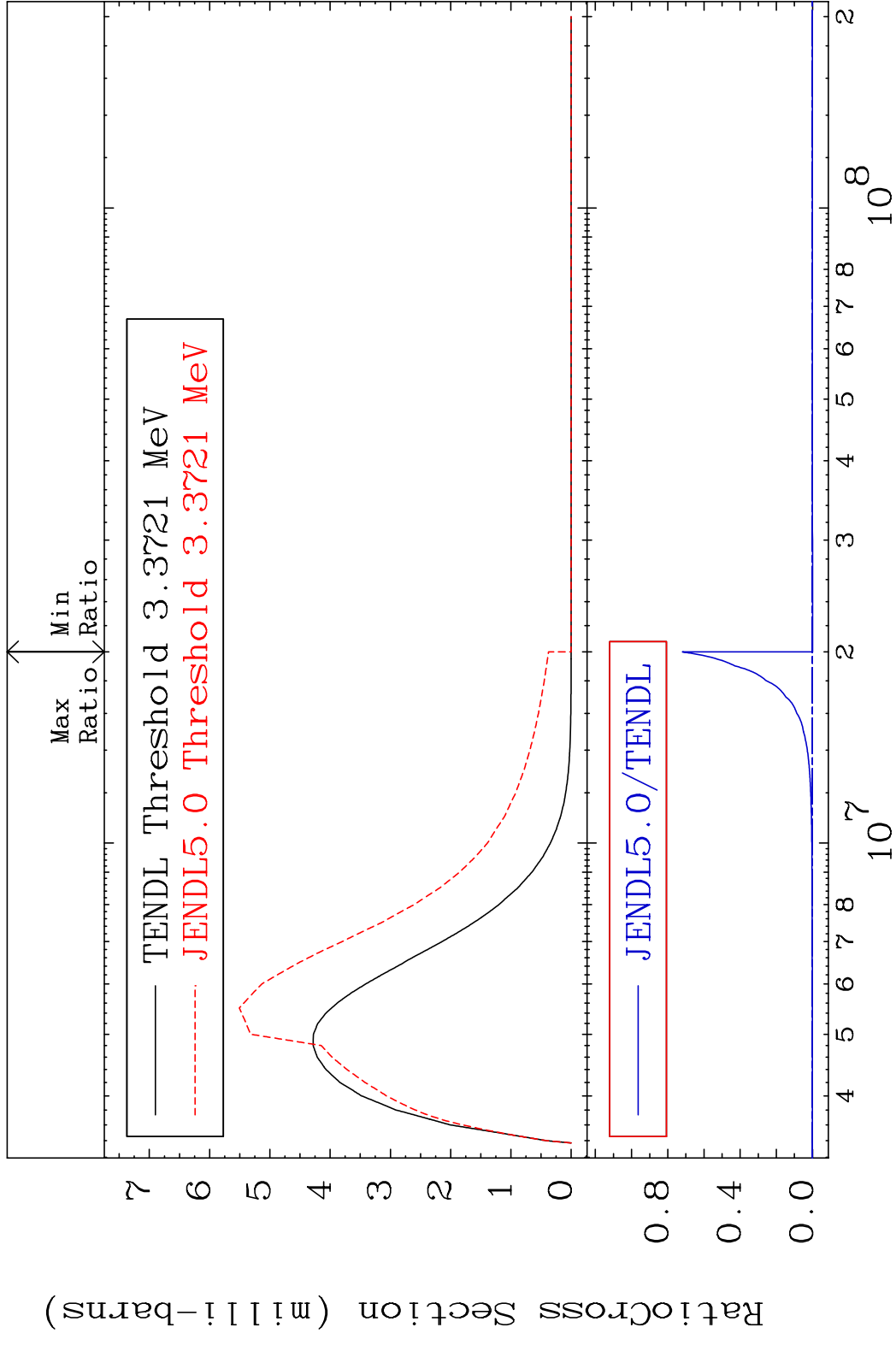
MAT 1834 MT= 68 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



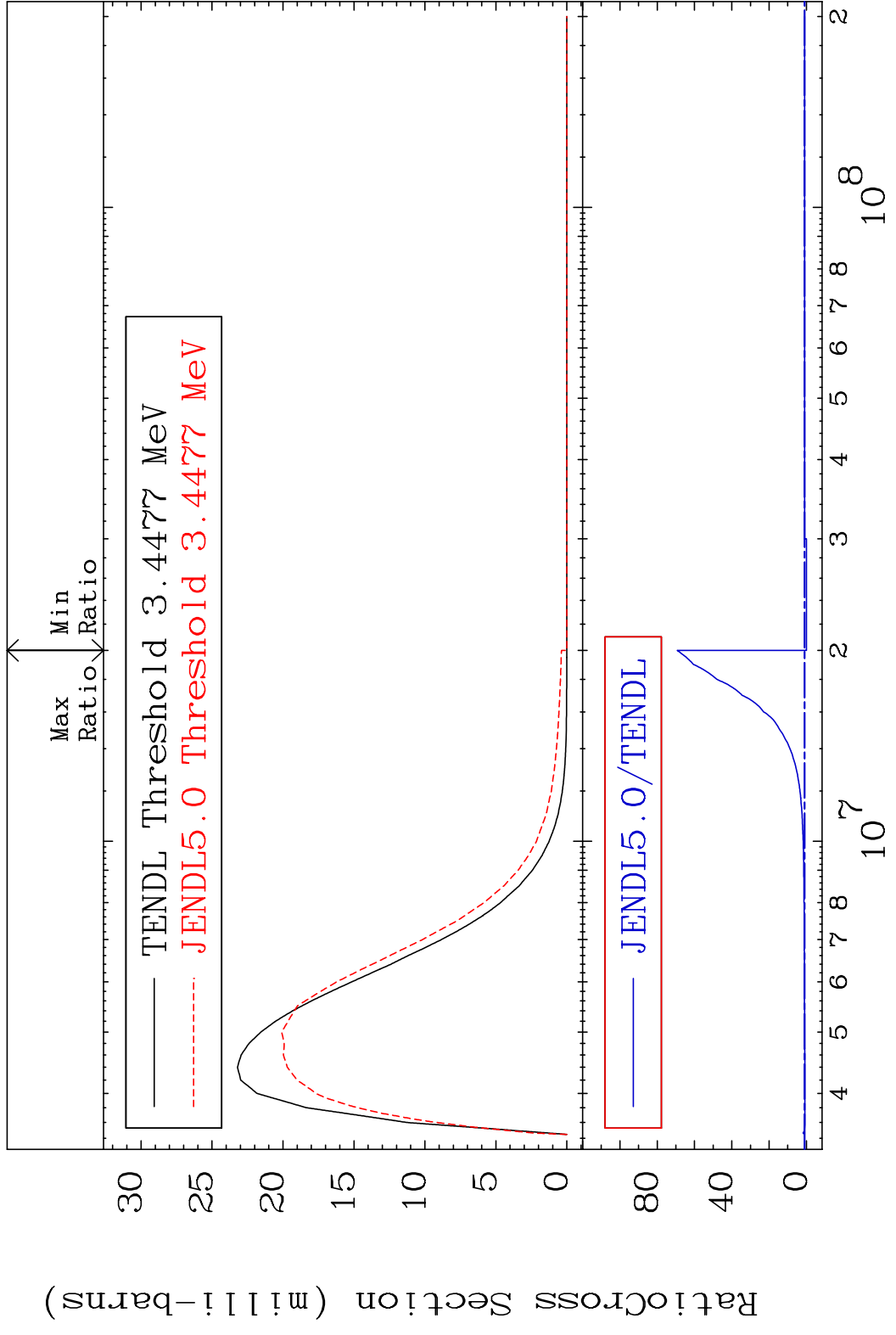
MAT 1834 MT= 69 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



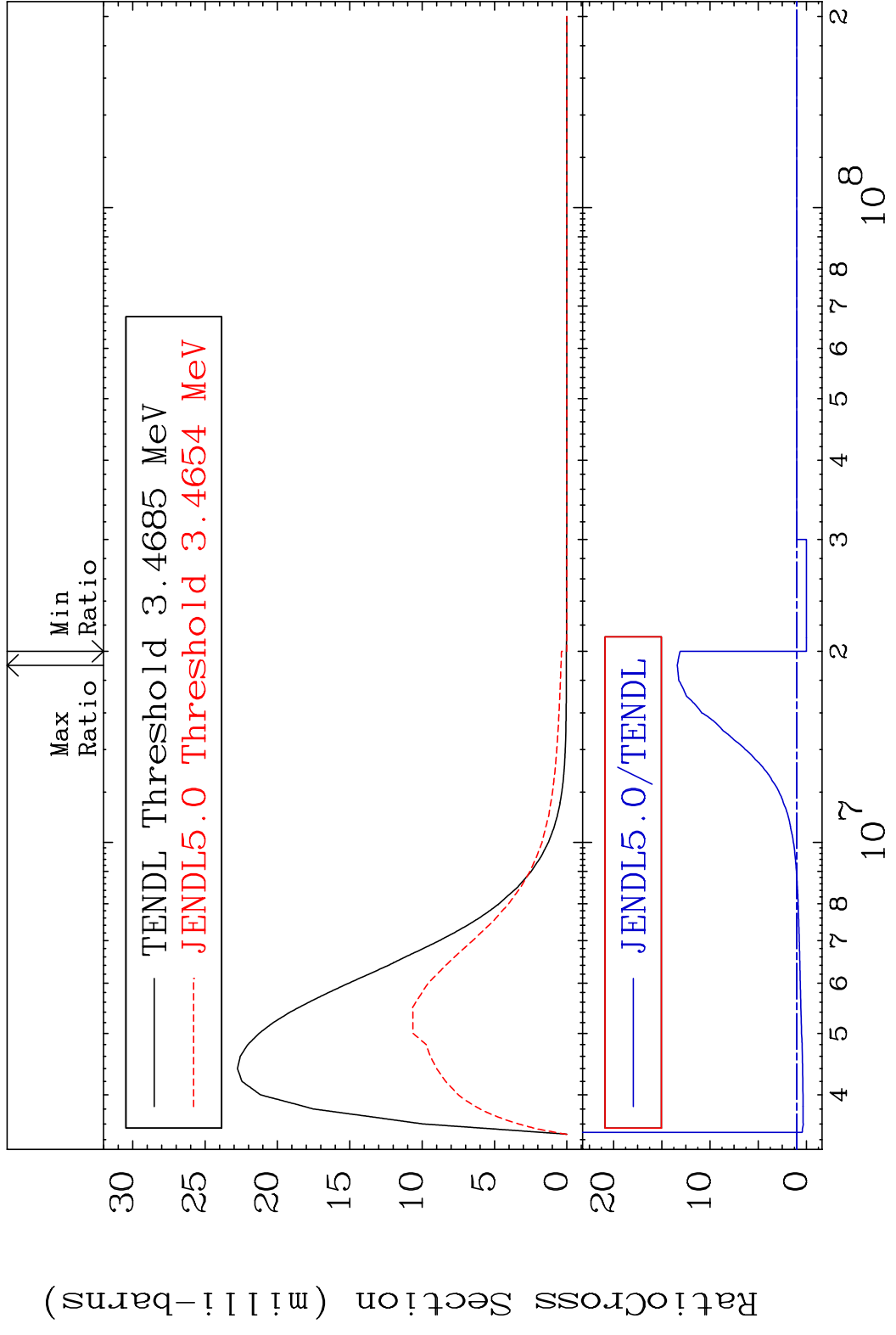
MAT 1834 MT= 70 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



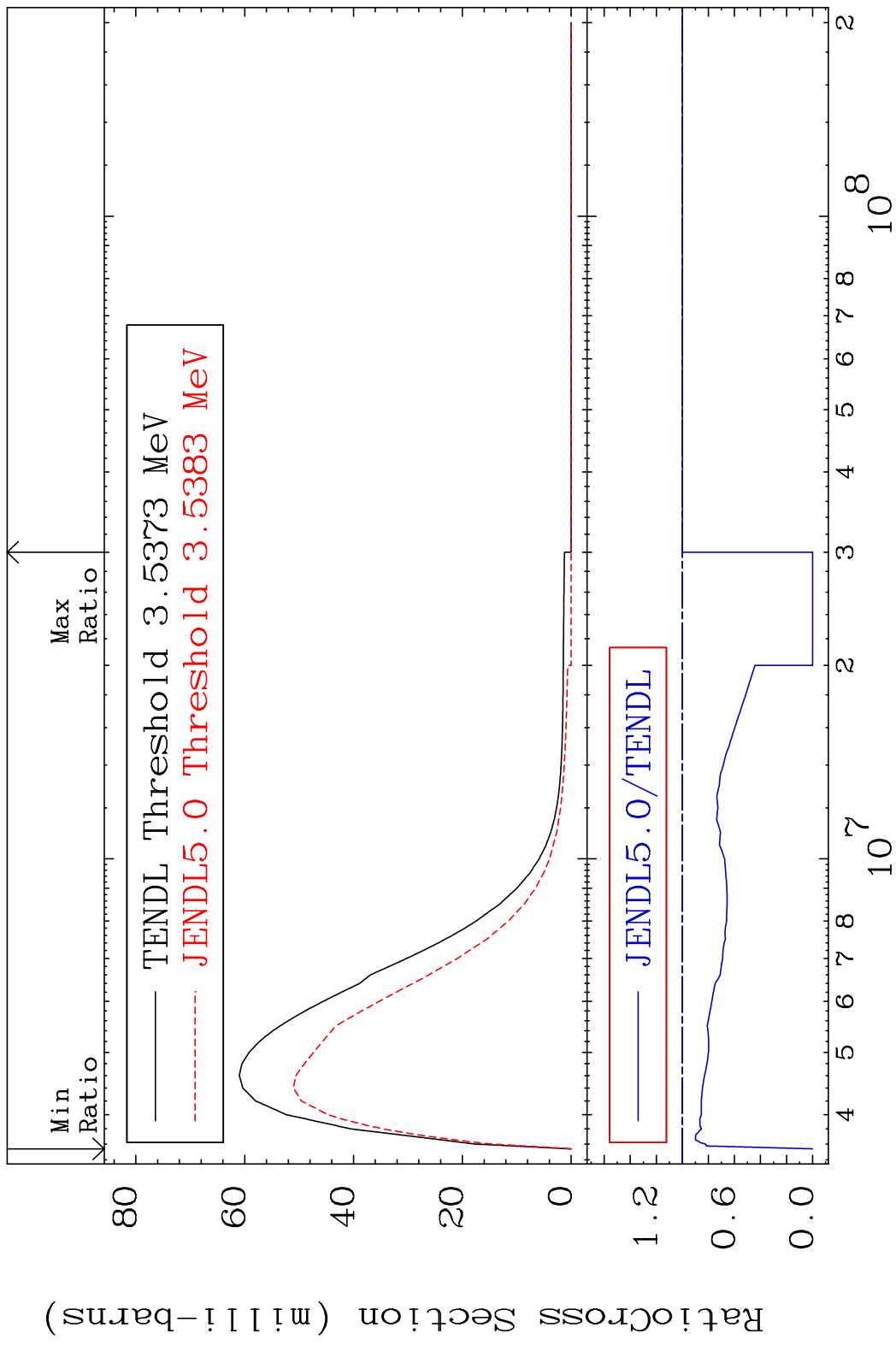
MAT 1834 MT= 71 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 6830. %



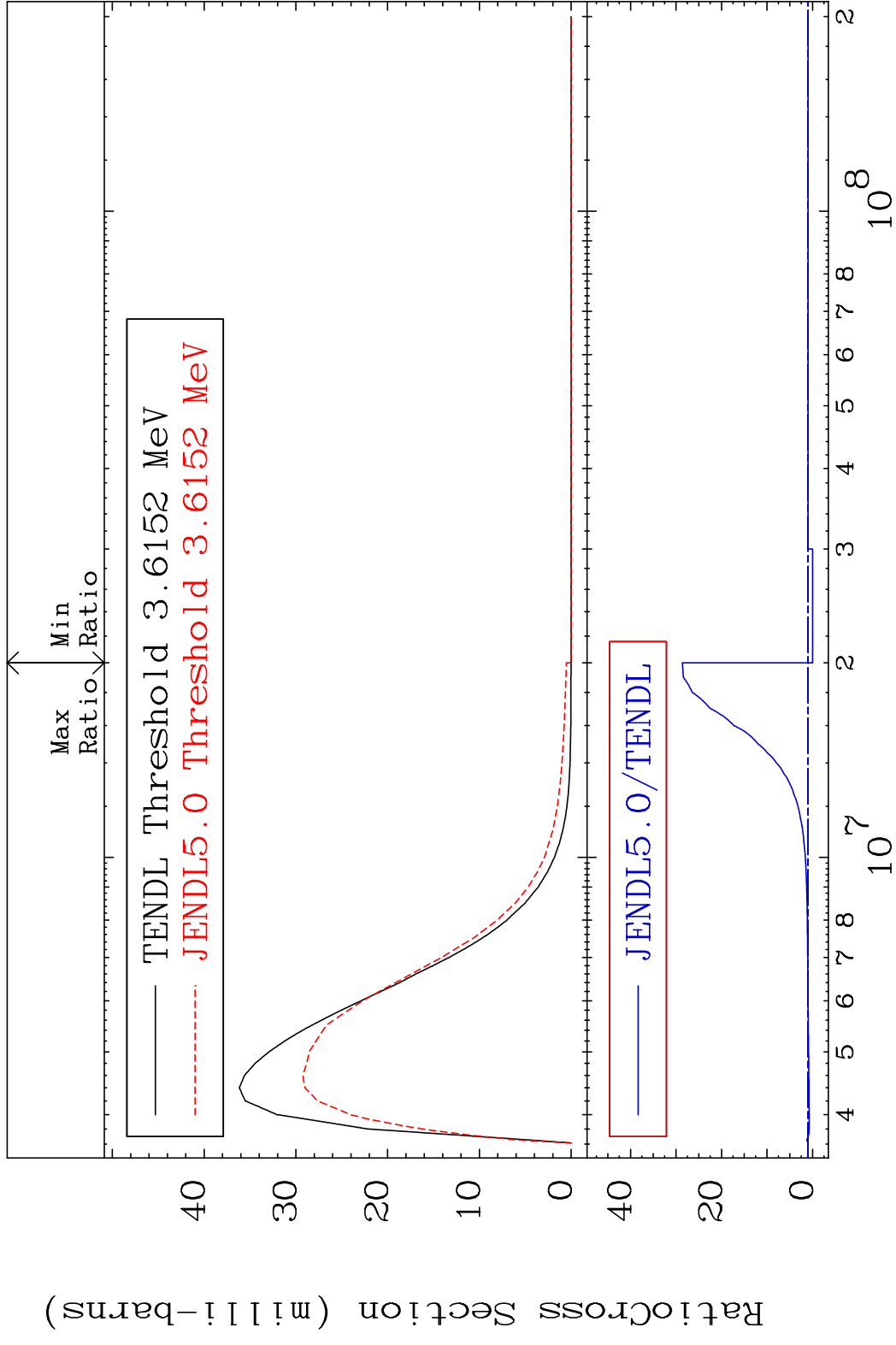
MAT 1834 MT= 72 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 1240. %



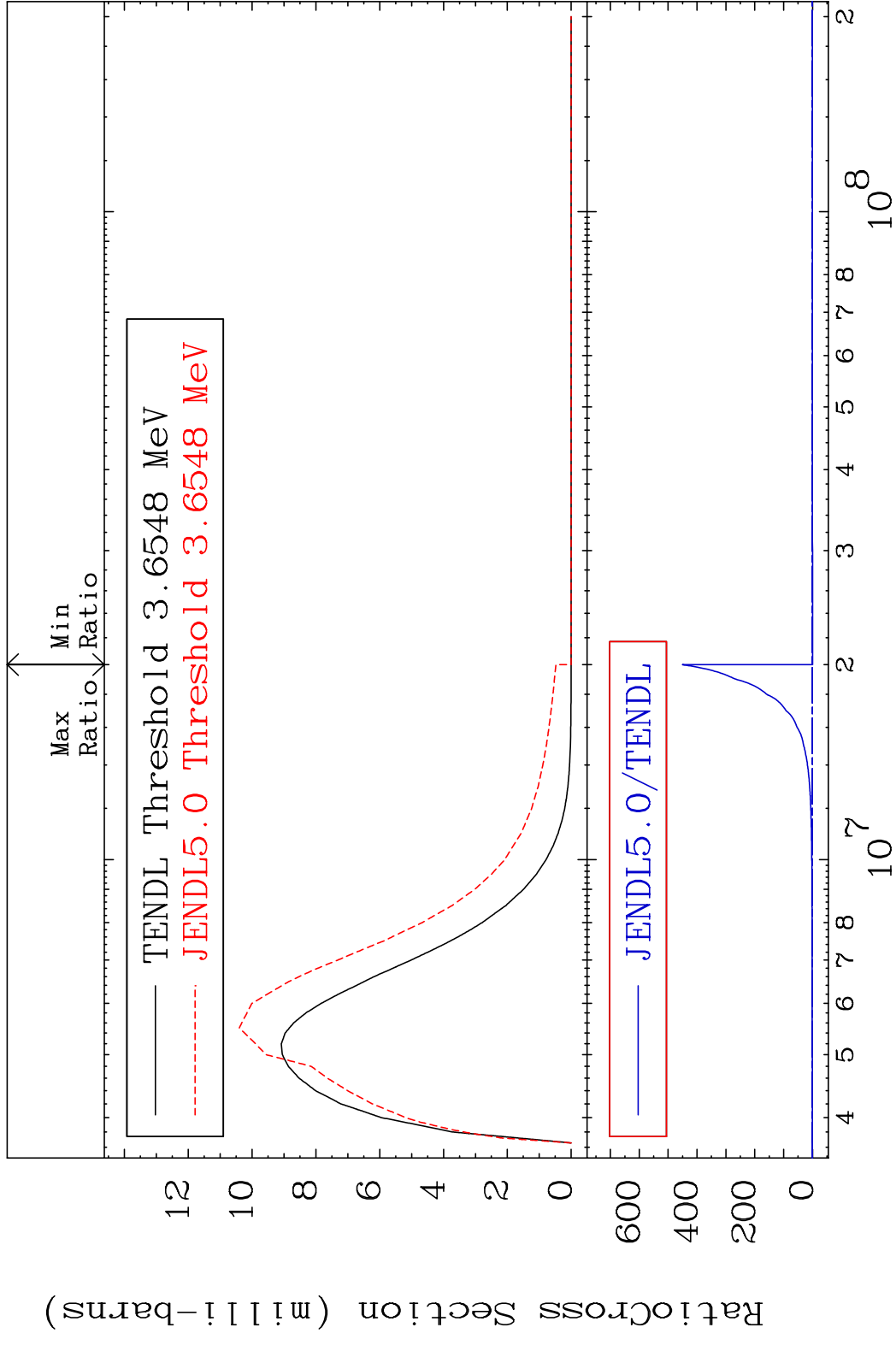
MAT 1834 MT= 73 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 0.000 %



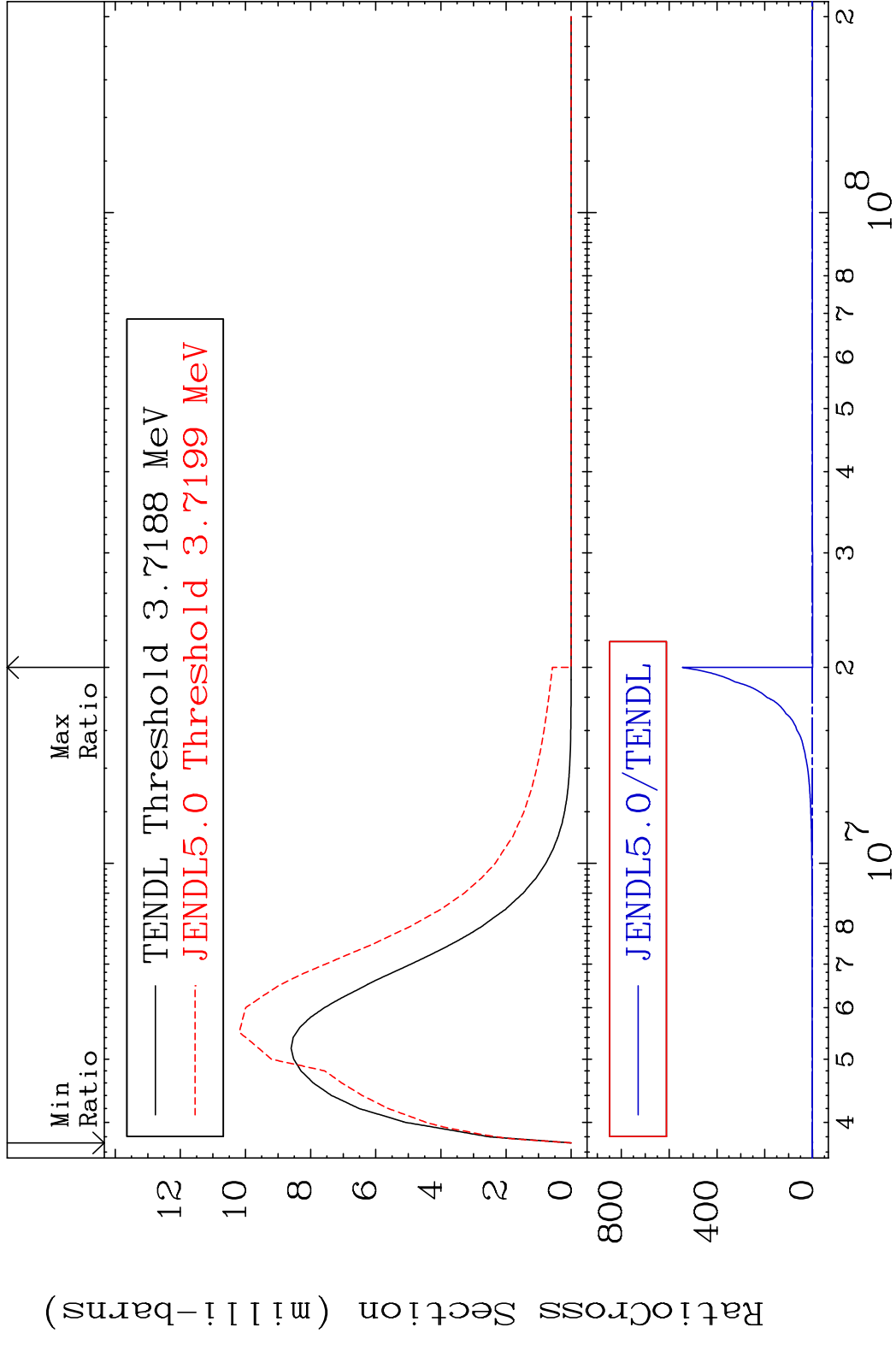
MAT 1834 MT= 74 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 2761. %



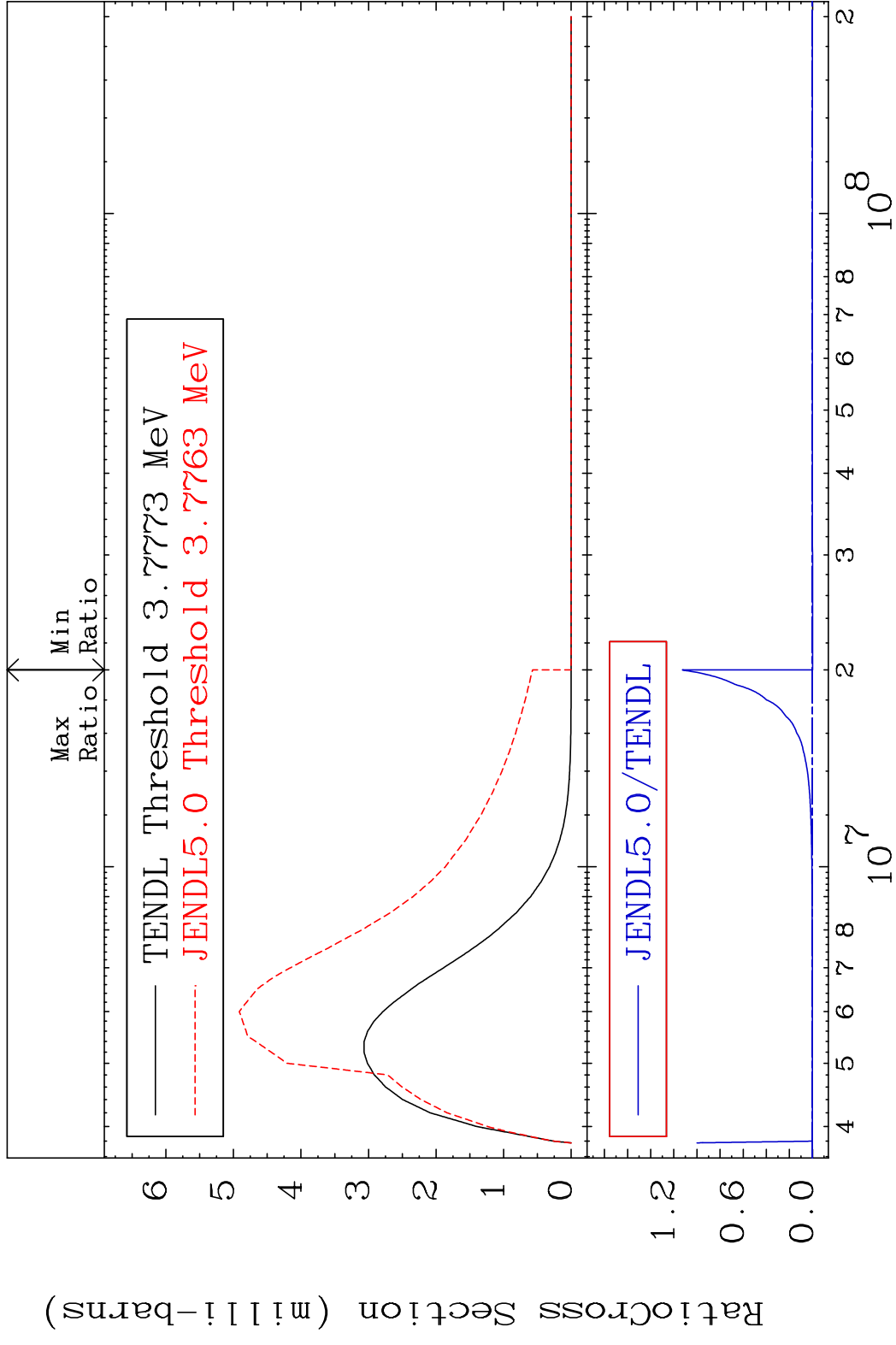
MAT 1834 MT= 75 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



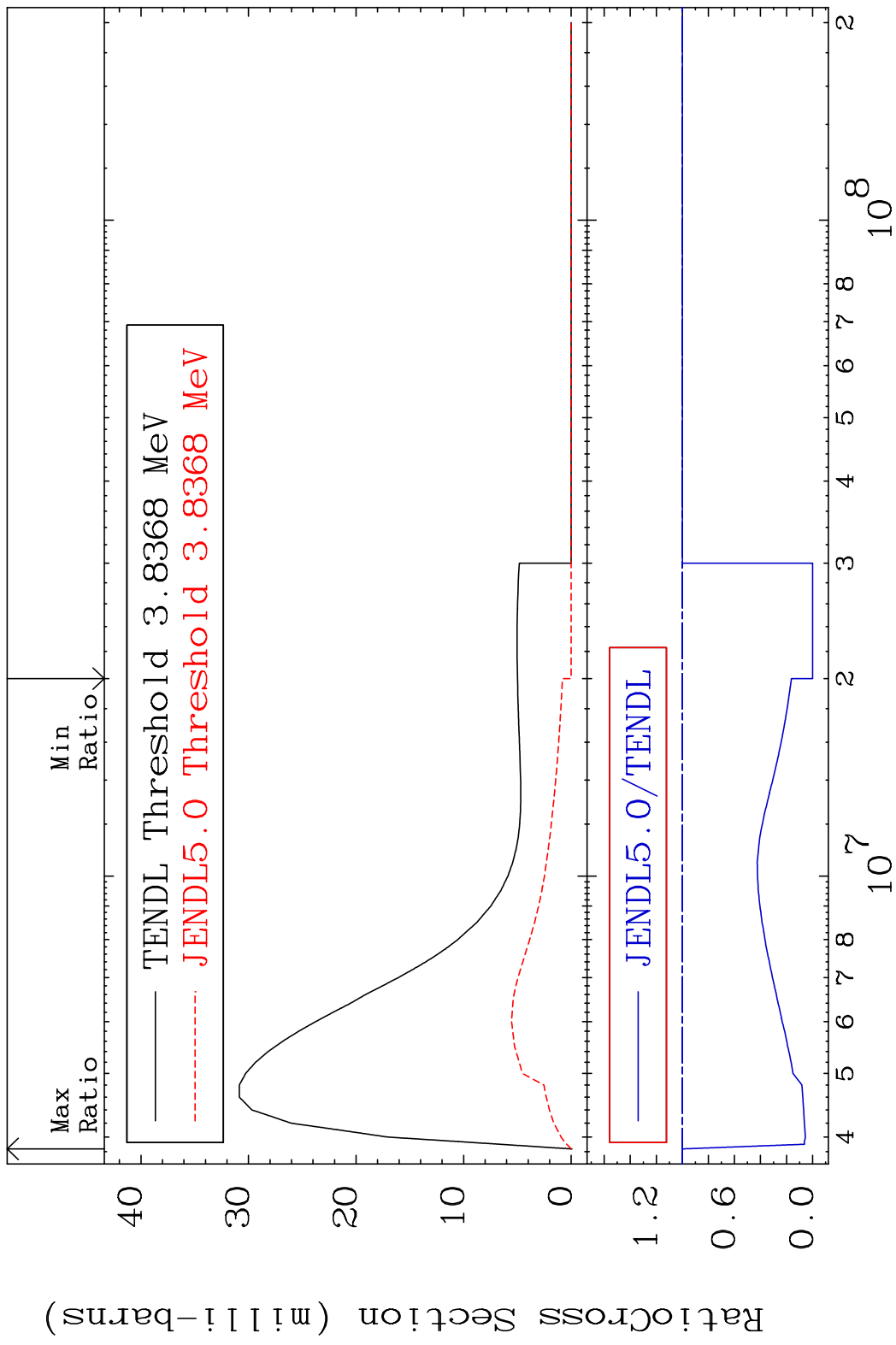
MAT 1834 MT= 76 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %



MAT 1834 MT= 77 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 9999. %

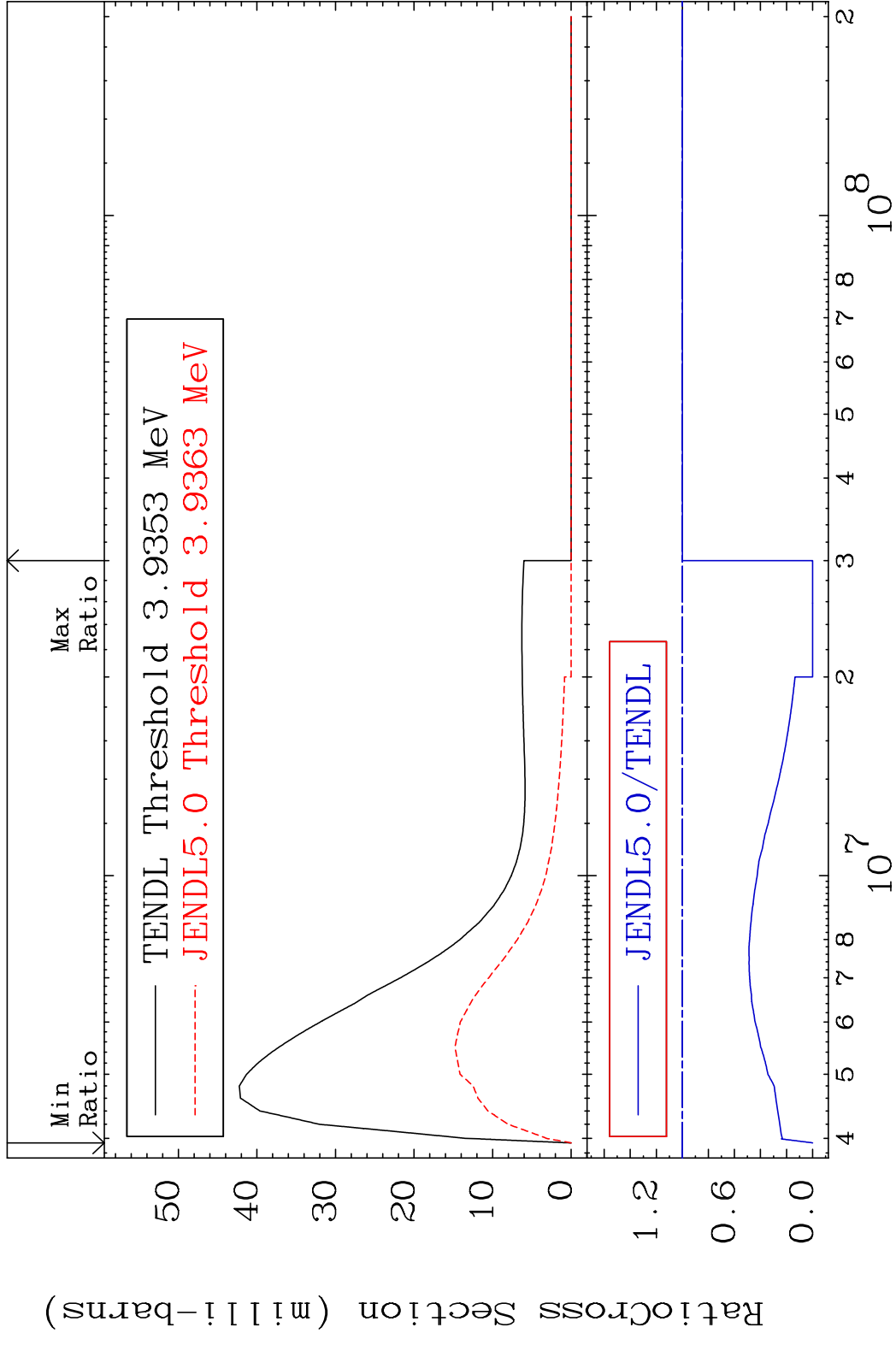


MAT 1834 MT= 78 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 0.000 %

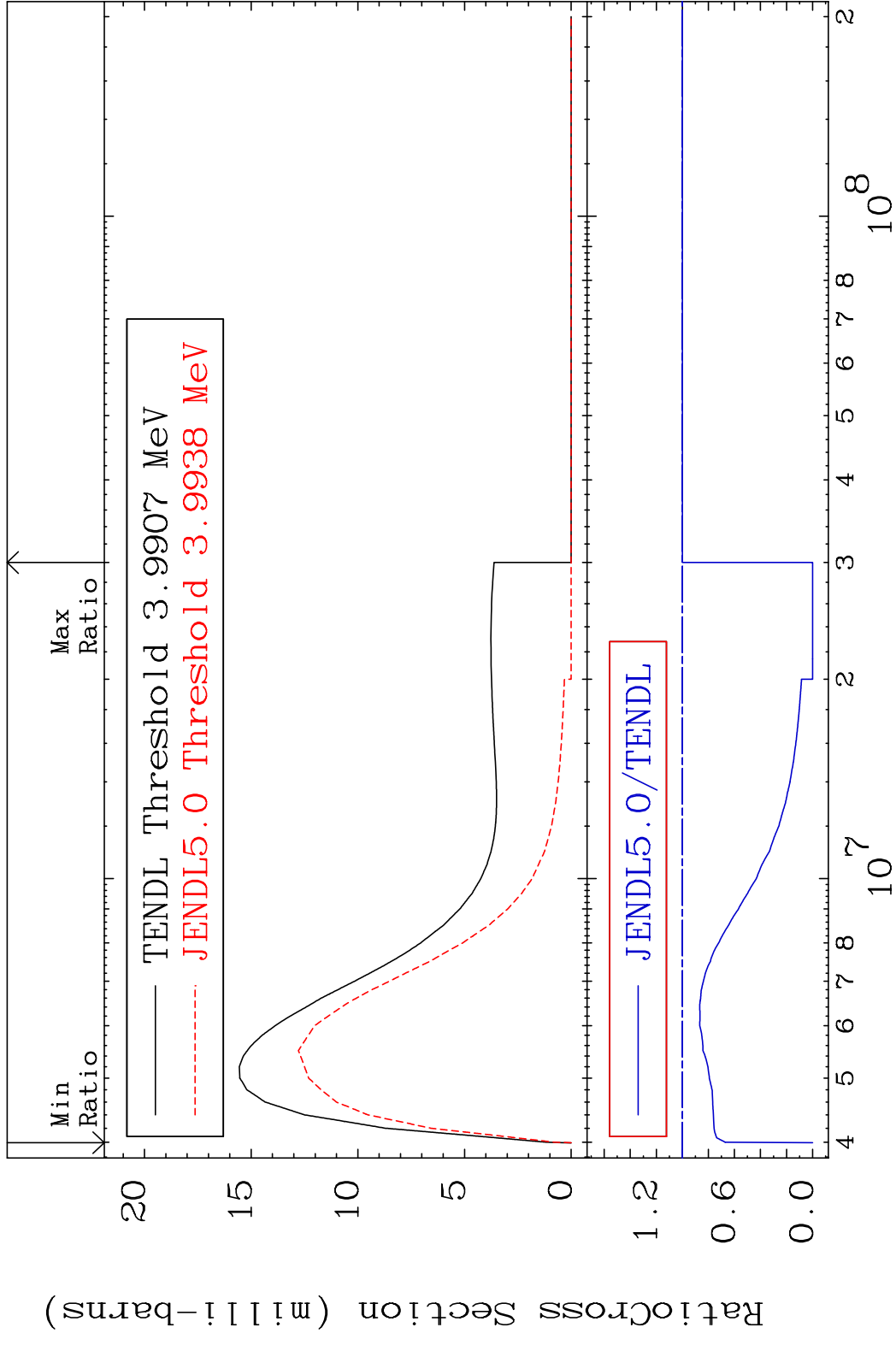


40 18-Ar-39

MAT 1834 MT= 79 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 0.000 %



MAT 1834 MT= 80 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 0.000 %

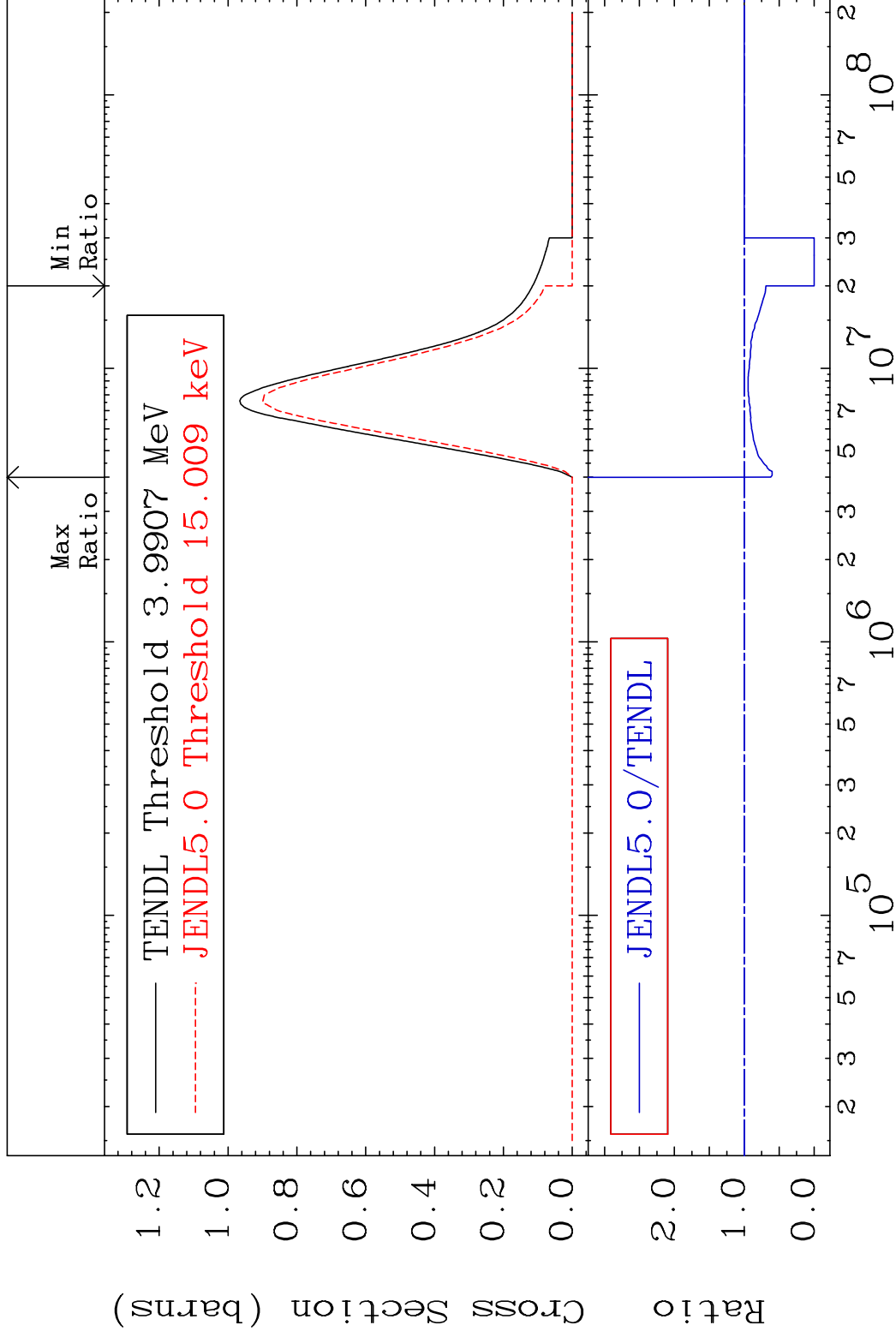


MAT 1834

(n, n') Continuum

18-Ar-39

Cross Section -100.0 To 86.73 %



43

Incident Energy (eV)

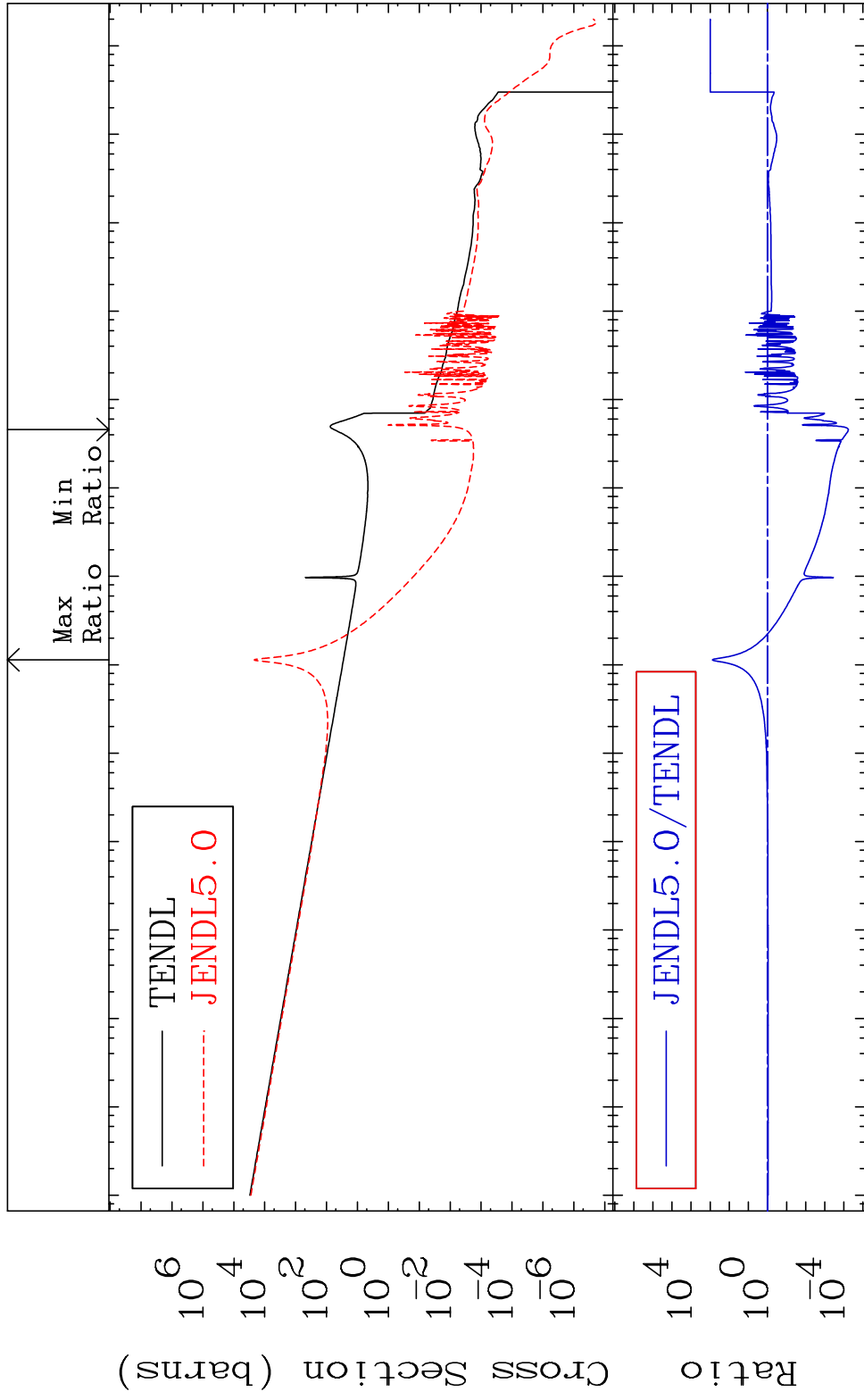
18-Ar-39

MAT 1834

(n,  $\gamma$ )

18-Ar-39

Cross Section -99.99 To 9999. %

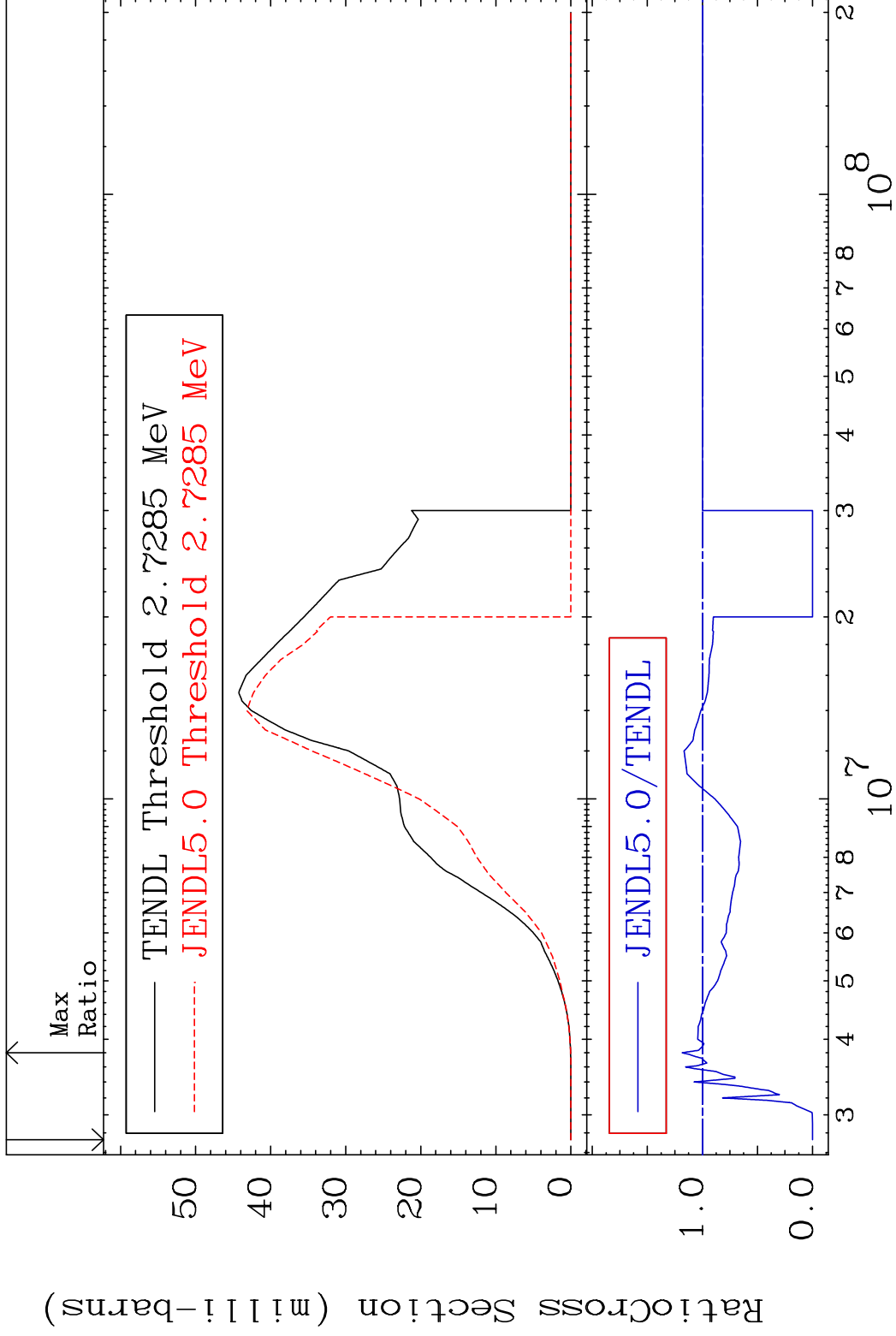


MAT 1834

(n,p)

18-Ar-39

Cross Section -100.0 To 18.40 %



45

Incident Energy (eV)

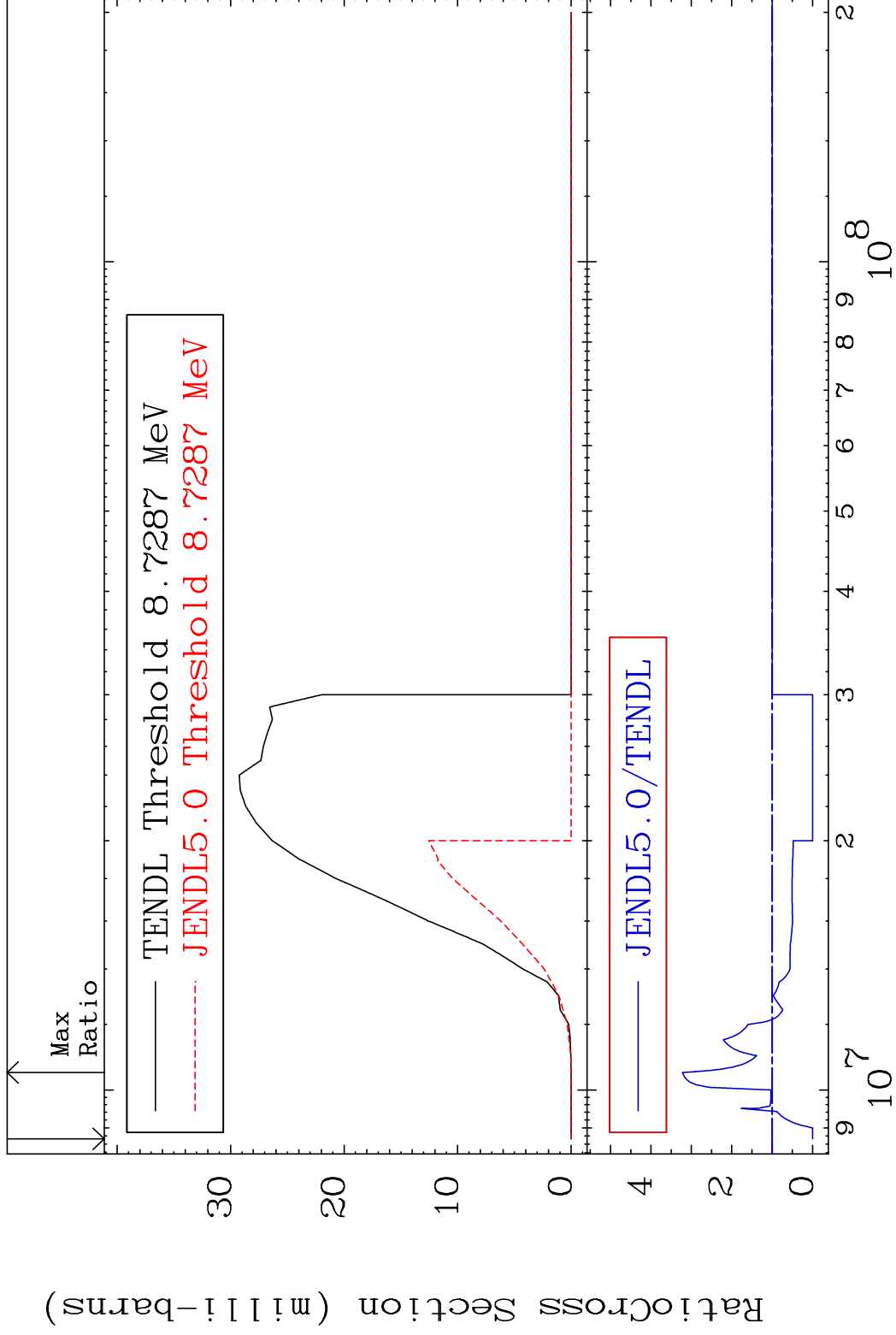
18-Ar-39

MAT 1834

(n,d)

18-Ar-39

Cross Section -100.0 To 222.3 %



46

Incident Energy (eV)

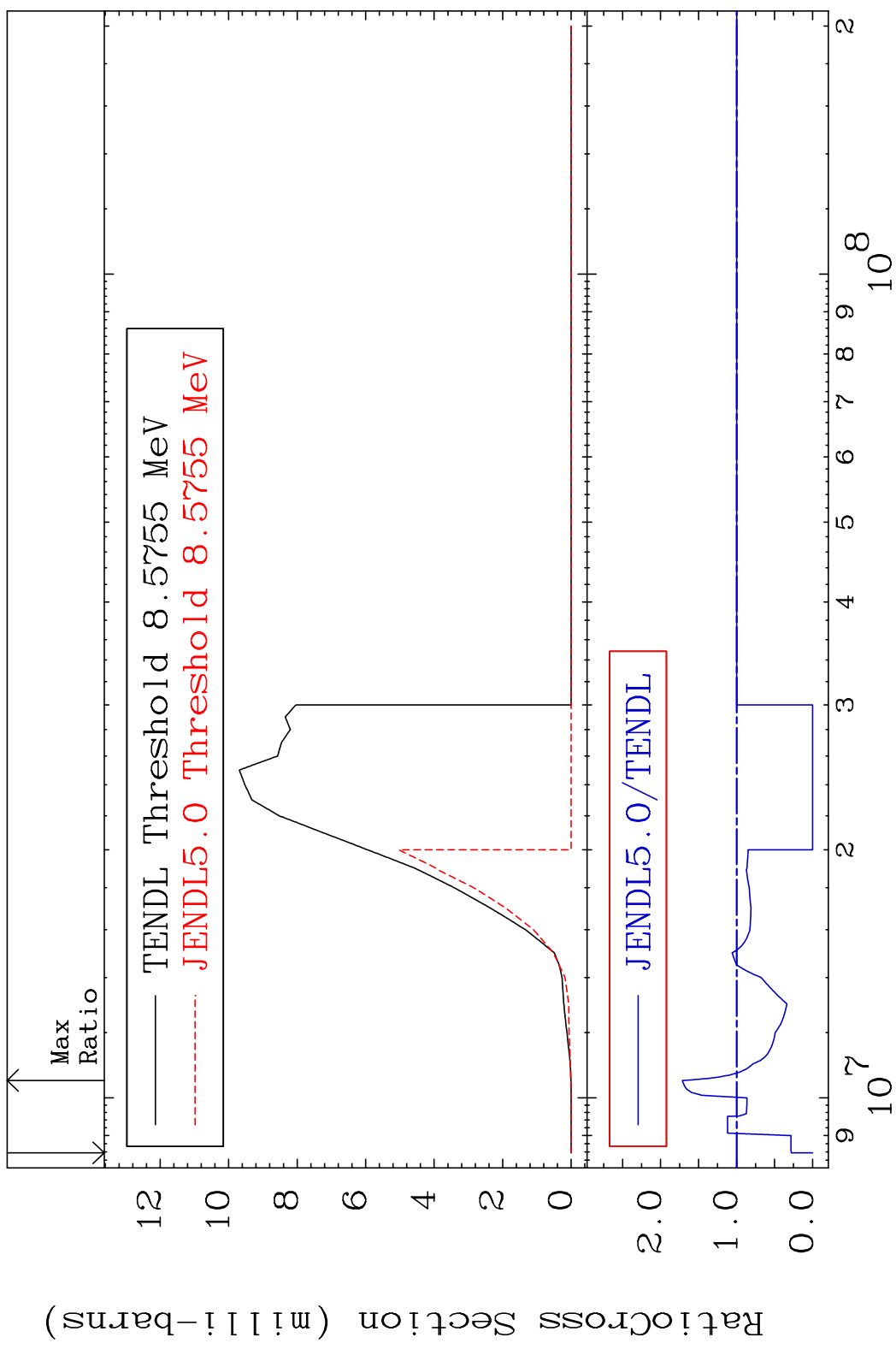
18-Ar-39

MAT 1834

(n, t)

18-Ar-39

Cross Section -100.0 To 71.36 %



47

Incident Energy (eV)

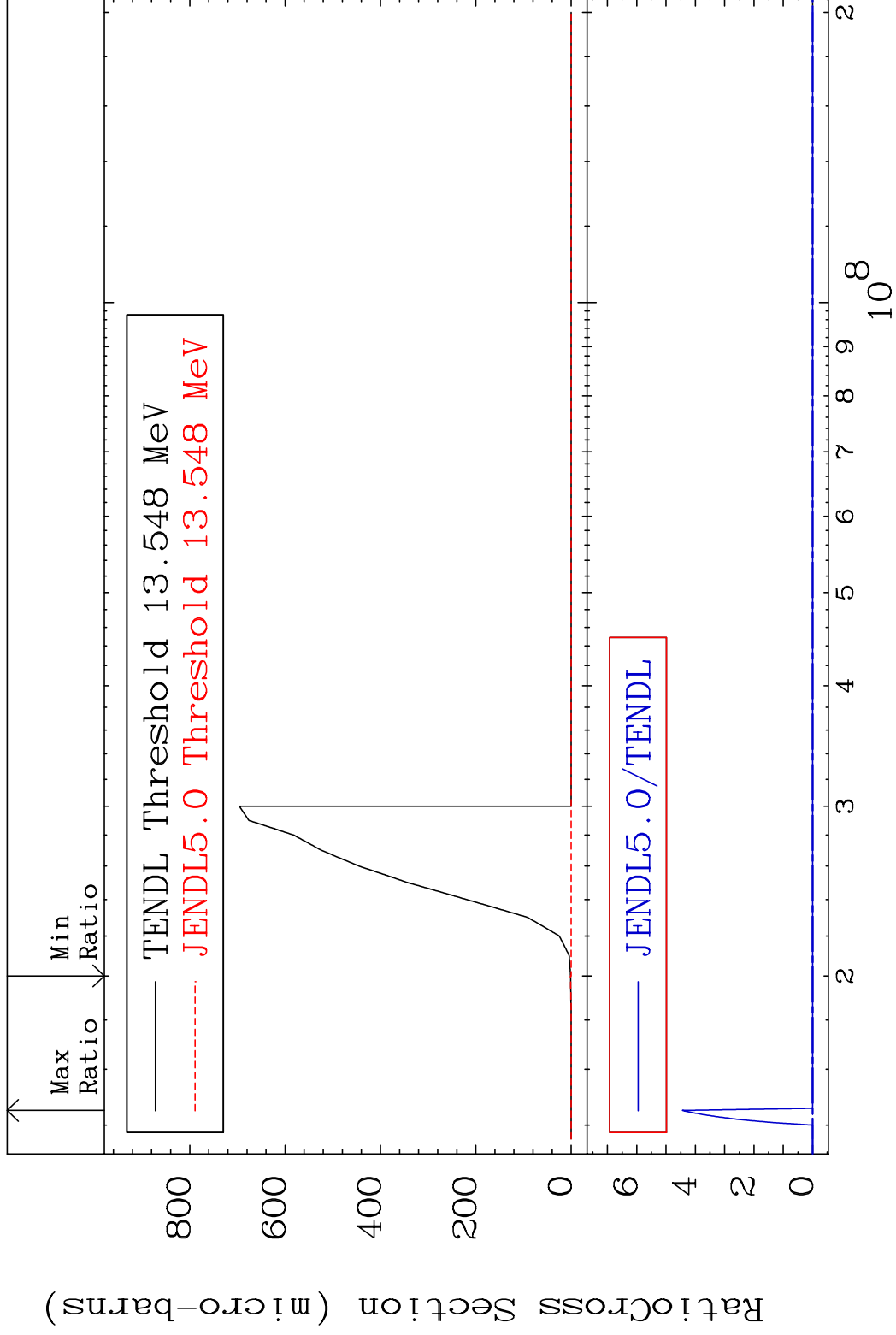
18-Ar-39

MAT 1834

(n, He-3)

18-Ar-39

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

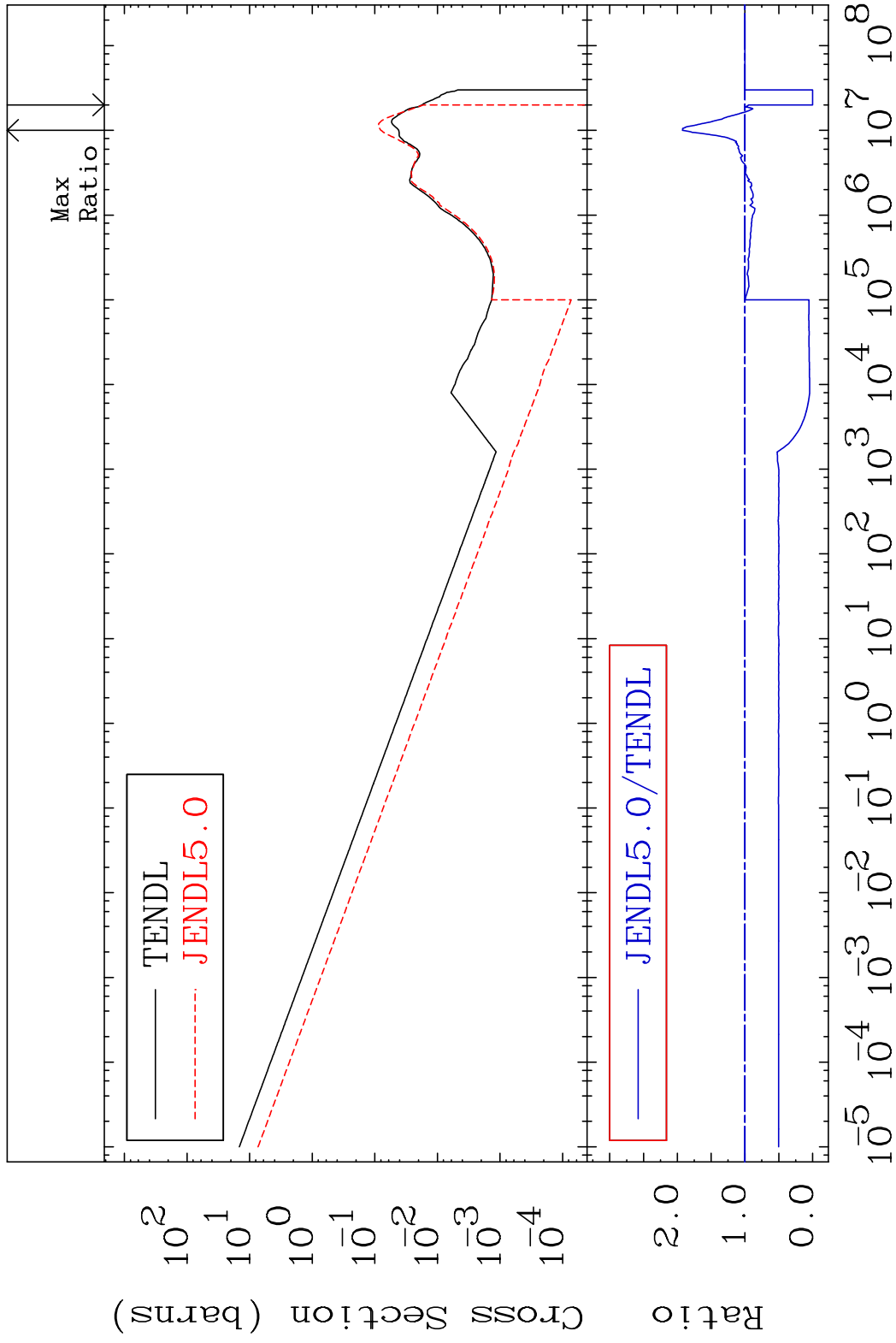
18-Ar-39

MAT 1834

(n,  $\alpha$ )

18-Ar-39

Cross Section -100.0 To 92.59 %



49

Incident Energy (eV)

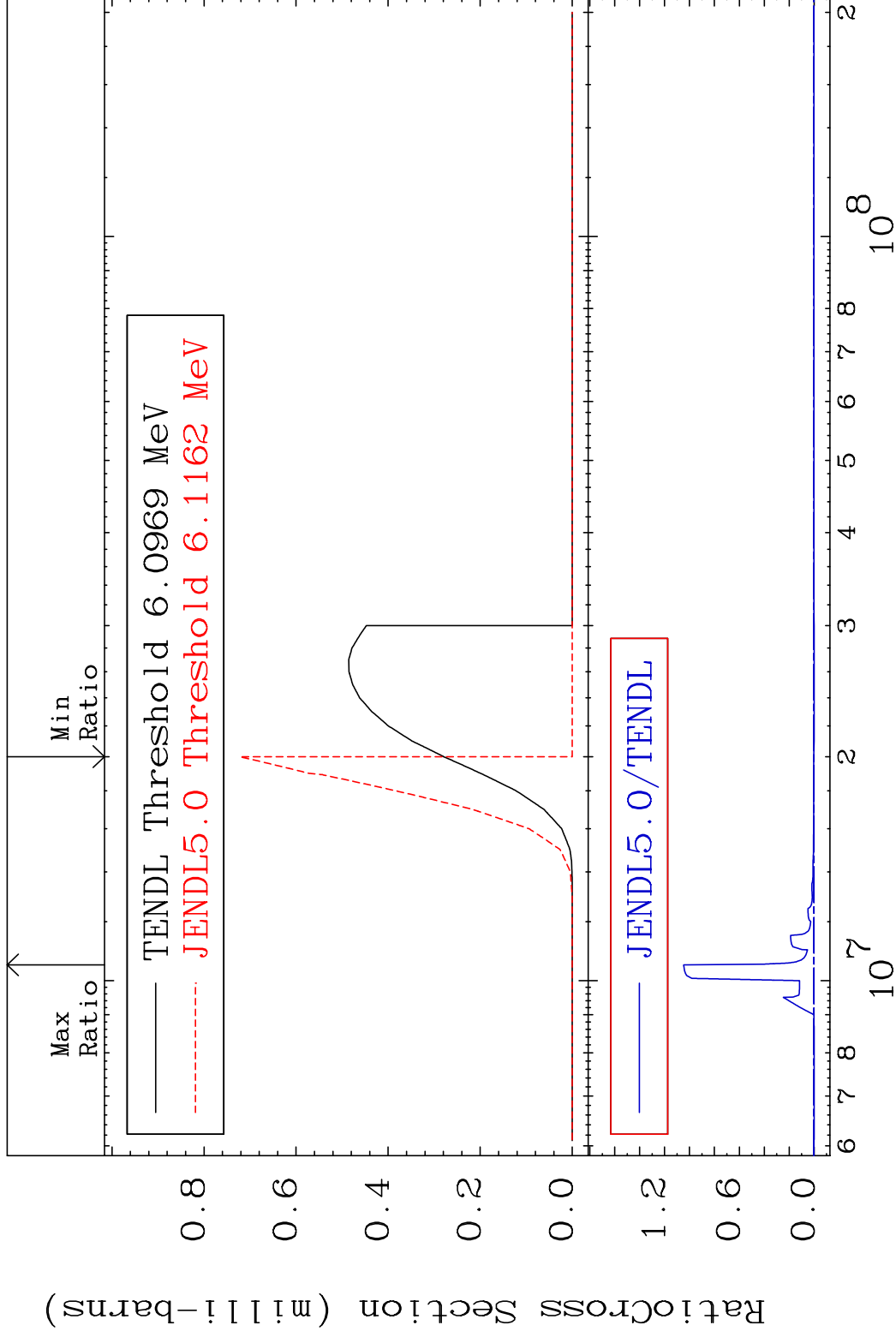
18-Ar-39

MAT 1834

(n,2α)

18-Ar-39

Cross Section -100.0 To 9999. %

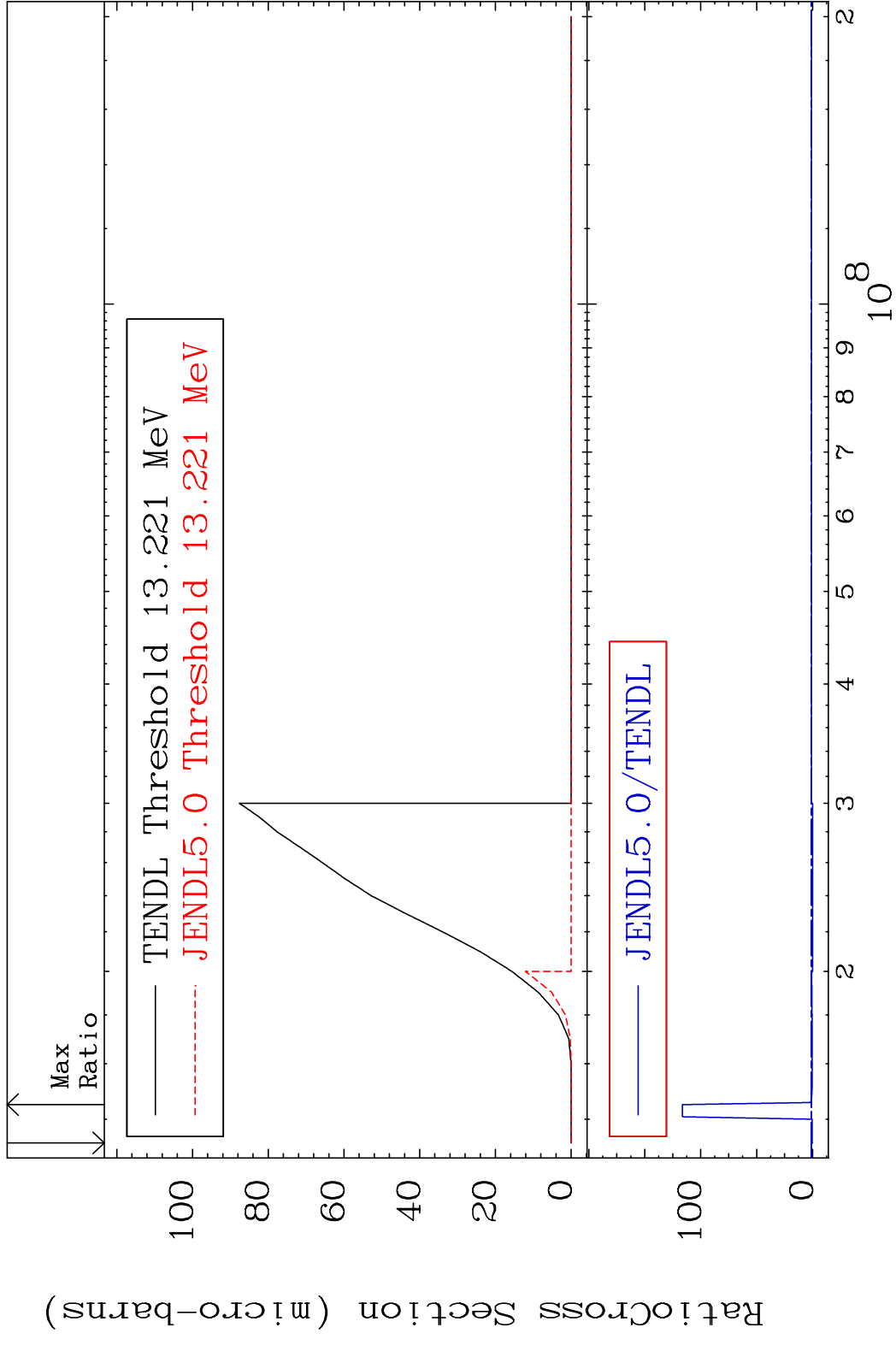


50

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2p) 18-Ar-39  
 Cross Section -100.0 To 9999. %

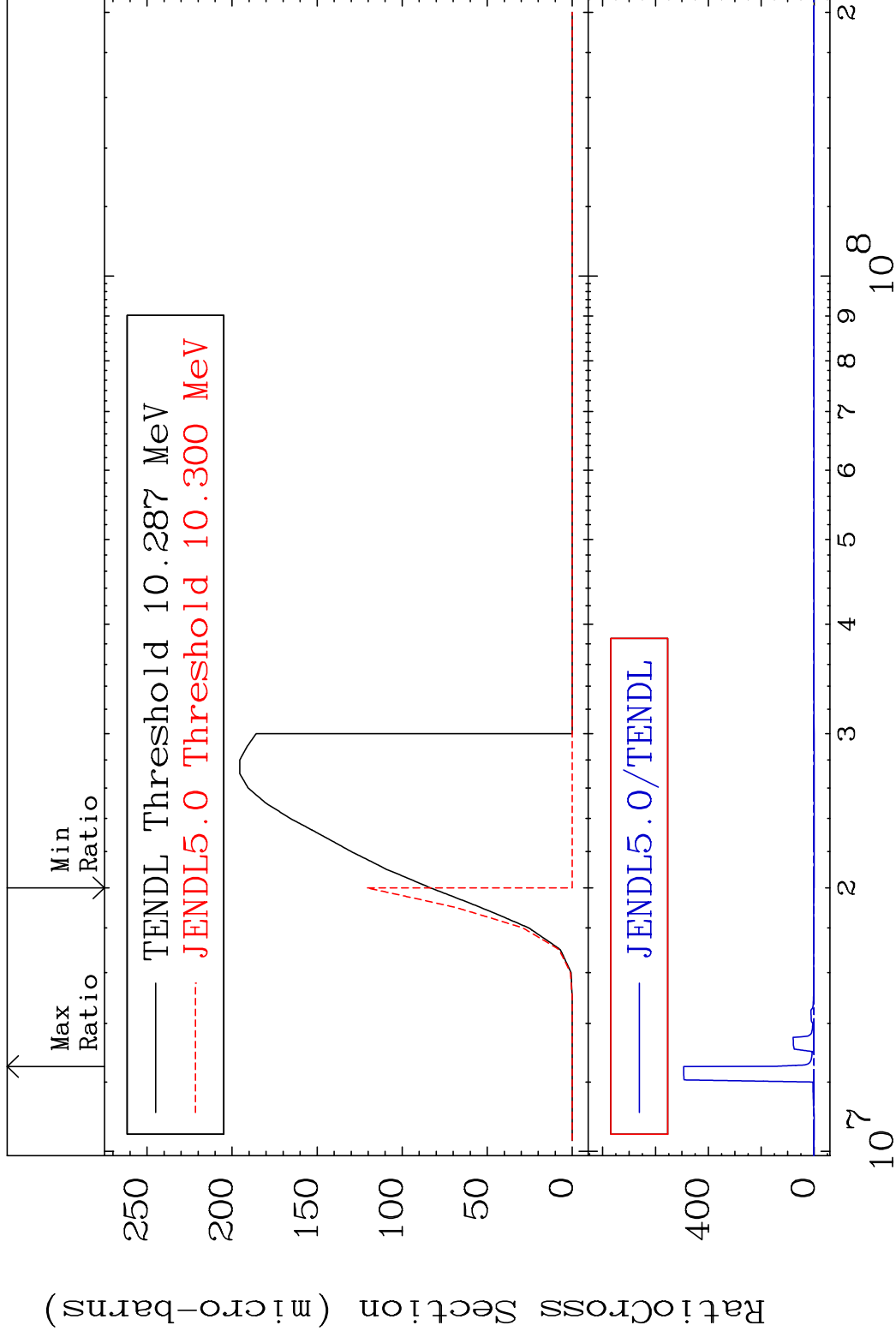


MAT 1834

(n,p)  $\alpha$

18-Ar-39

Cross Section -100.0 To 9999. %

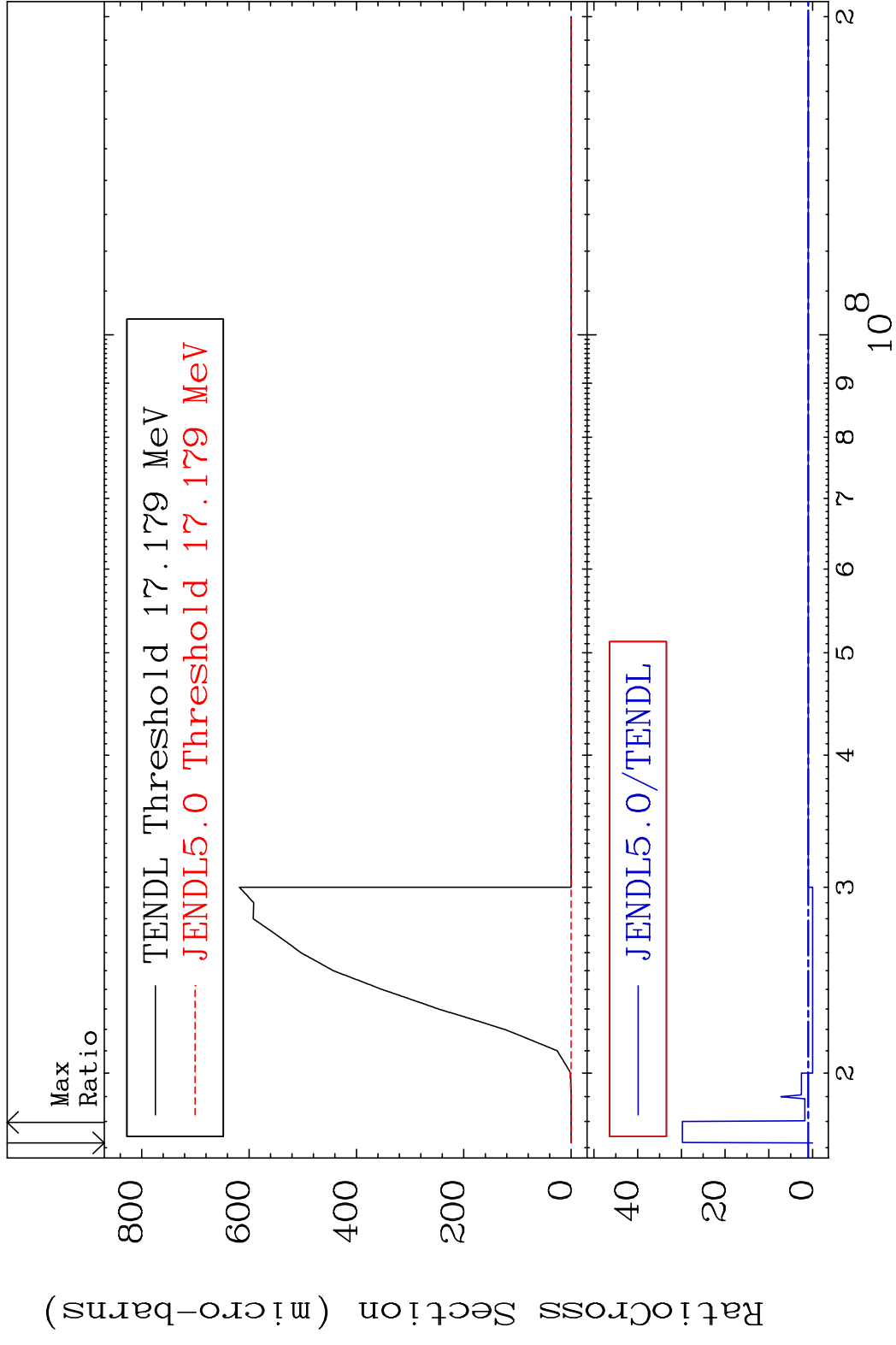


52

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,p) t 18-Ar-39  
 Cross Section -100.0 To 2877. %

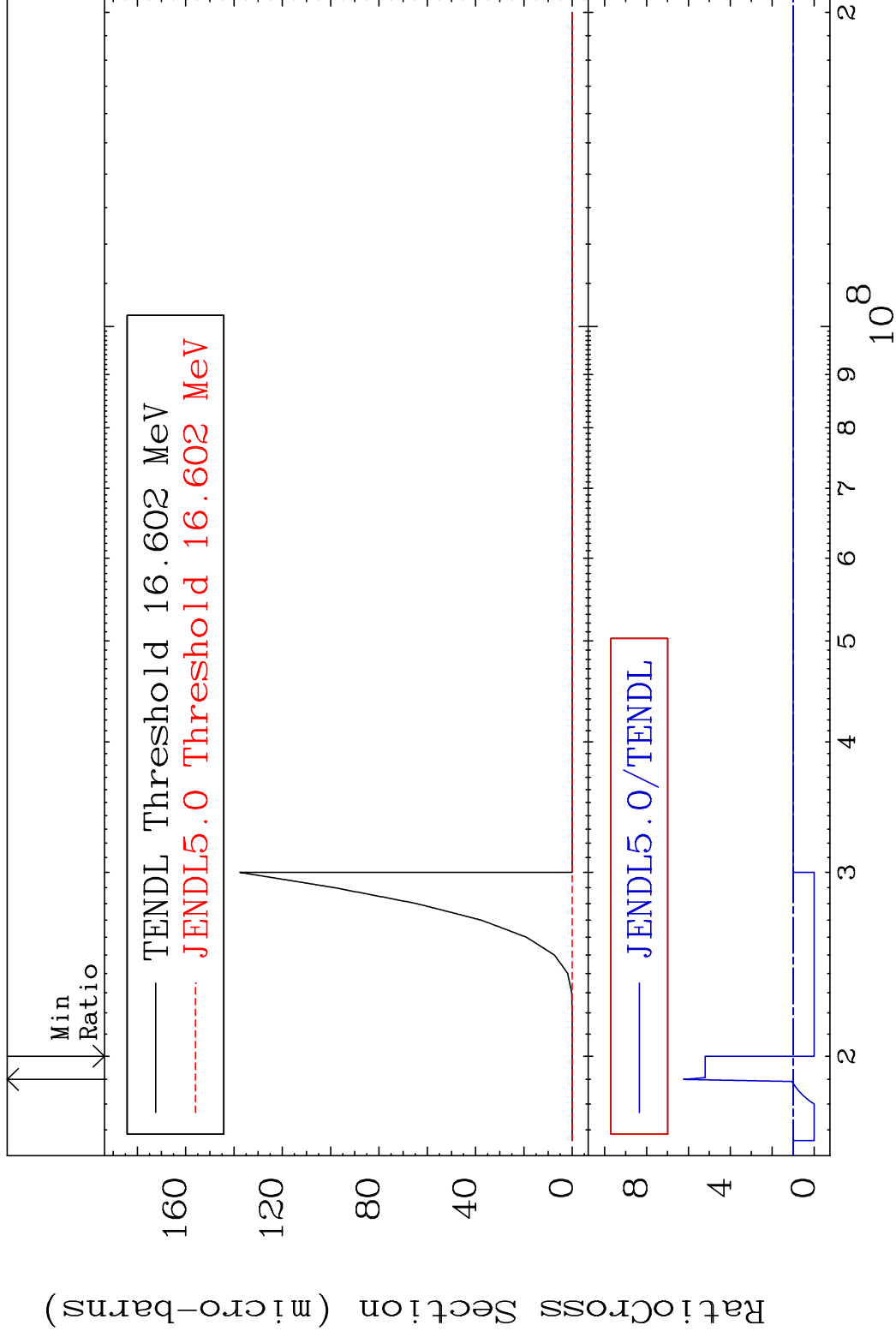


MAT 1834

(n, d)  $\alpha$

18-Ar-39

Cross Section -100.0 To 522.9 %

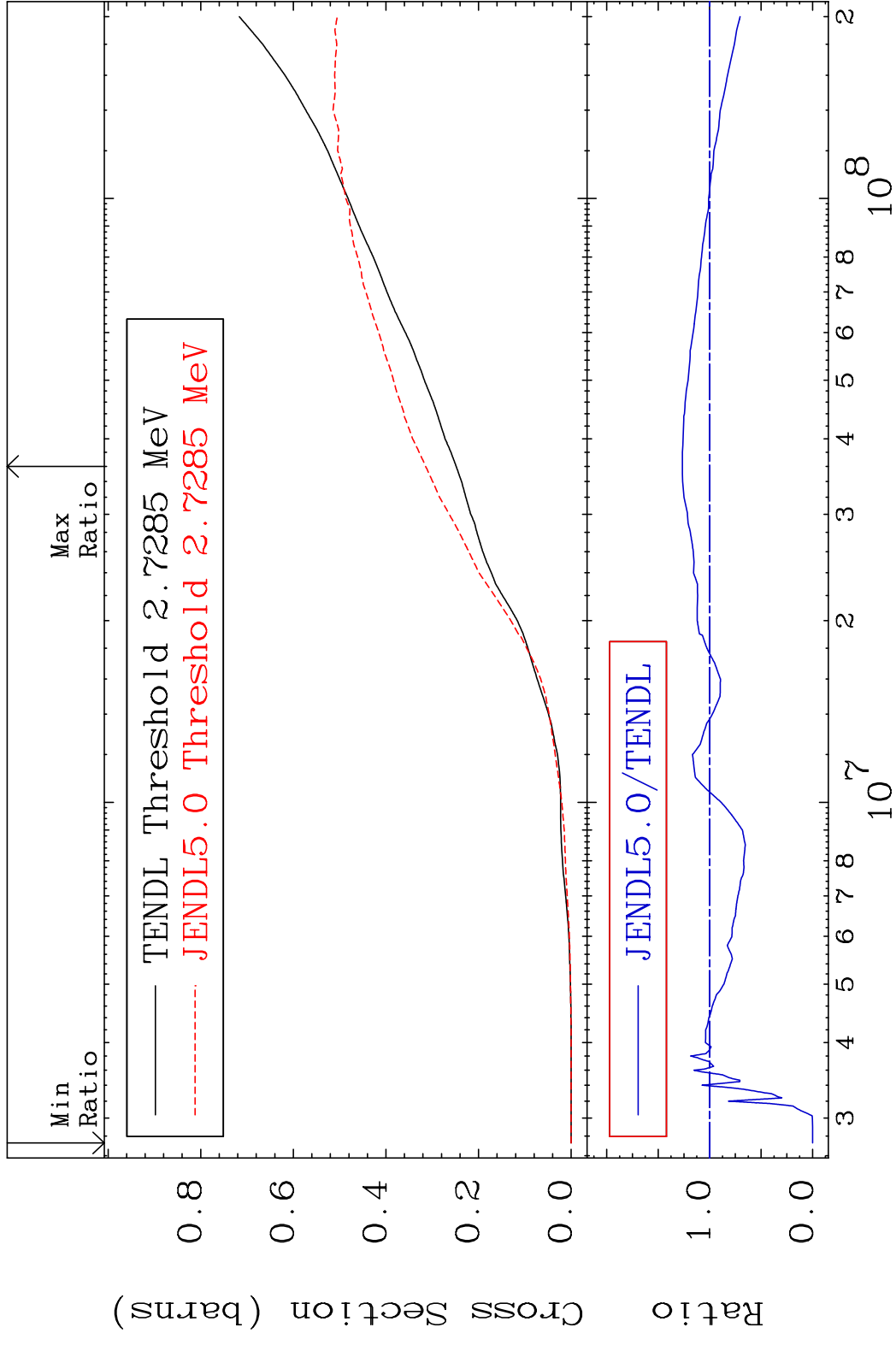


54

Incident Energy (eV)

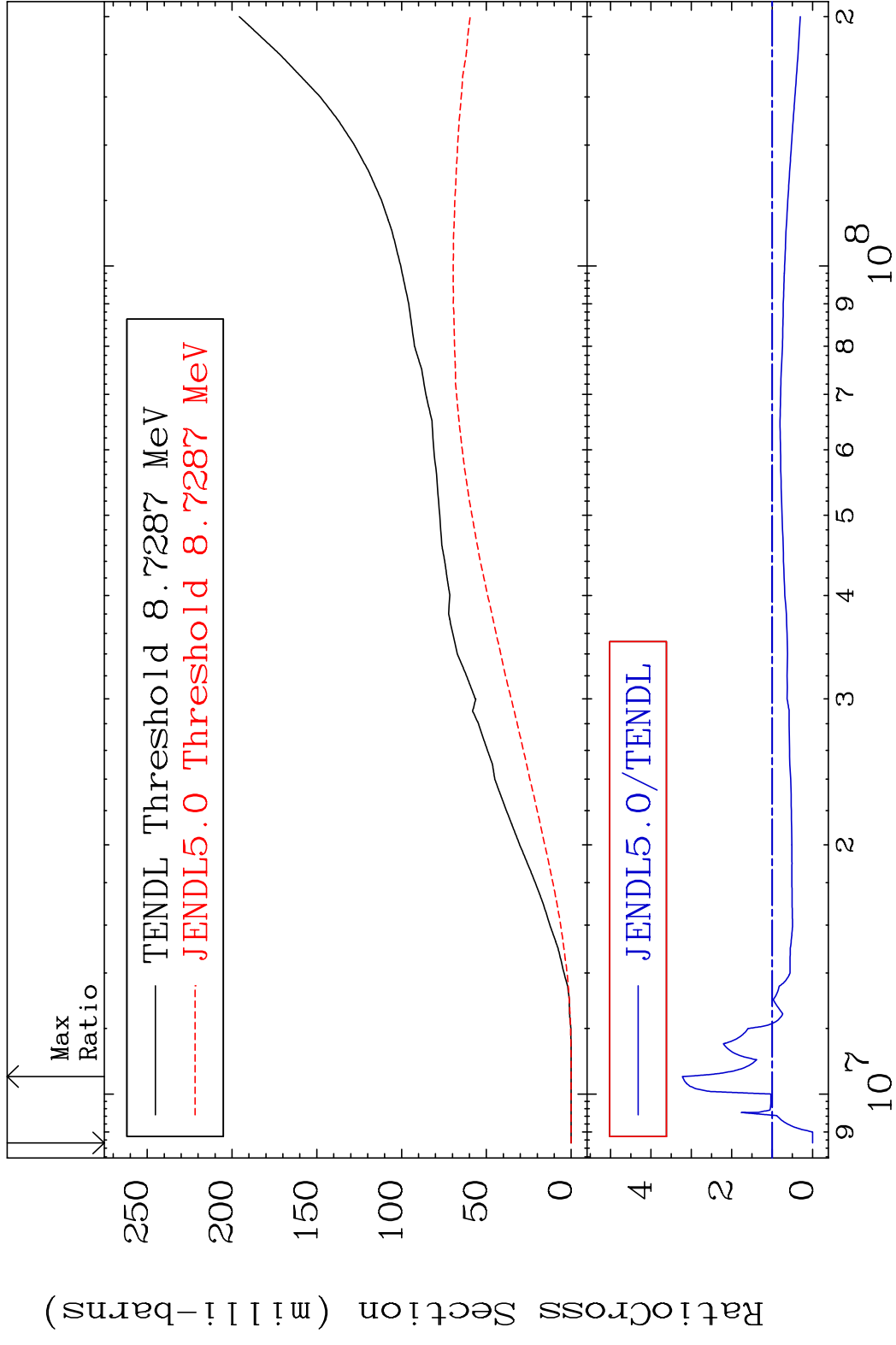
18-Ar-39

MAT 1834 Hydrogen Production 18-Ar-39  
 Cross Section -100.0 To 26.51 %

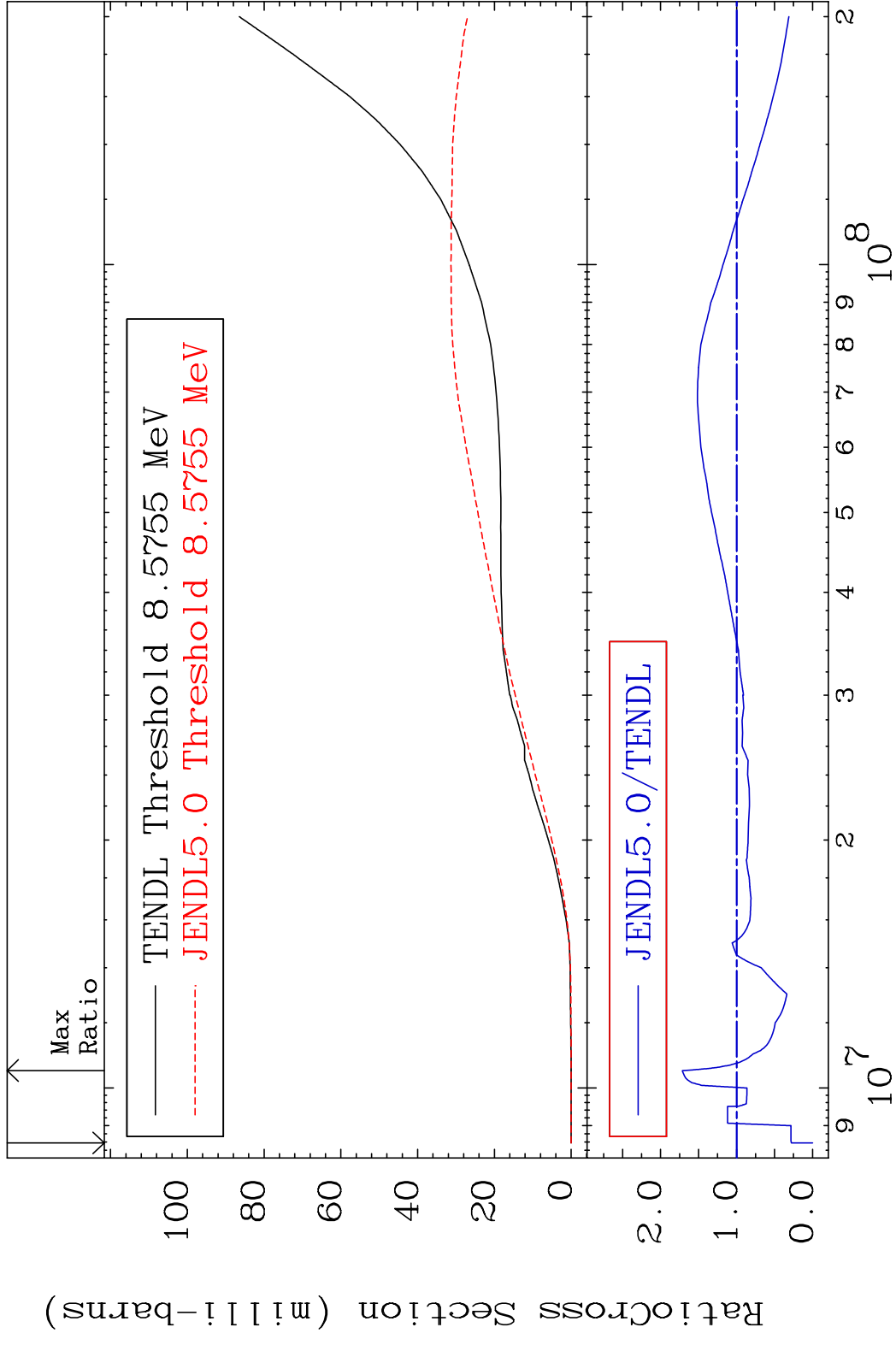


55 Incident Energy (eV) 18-Ar-39

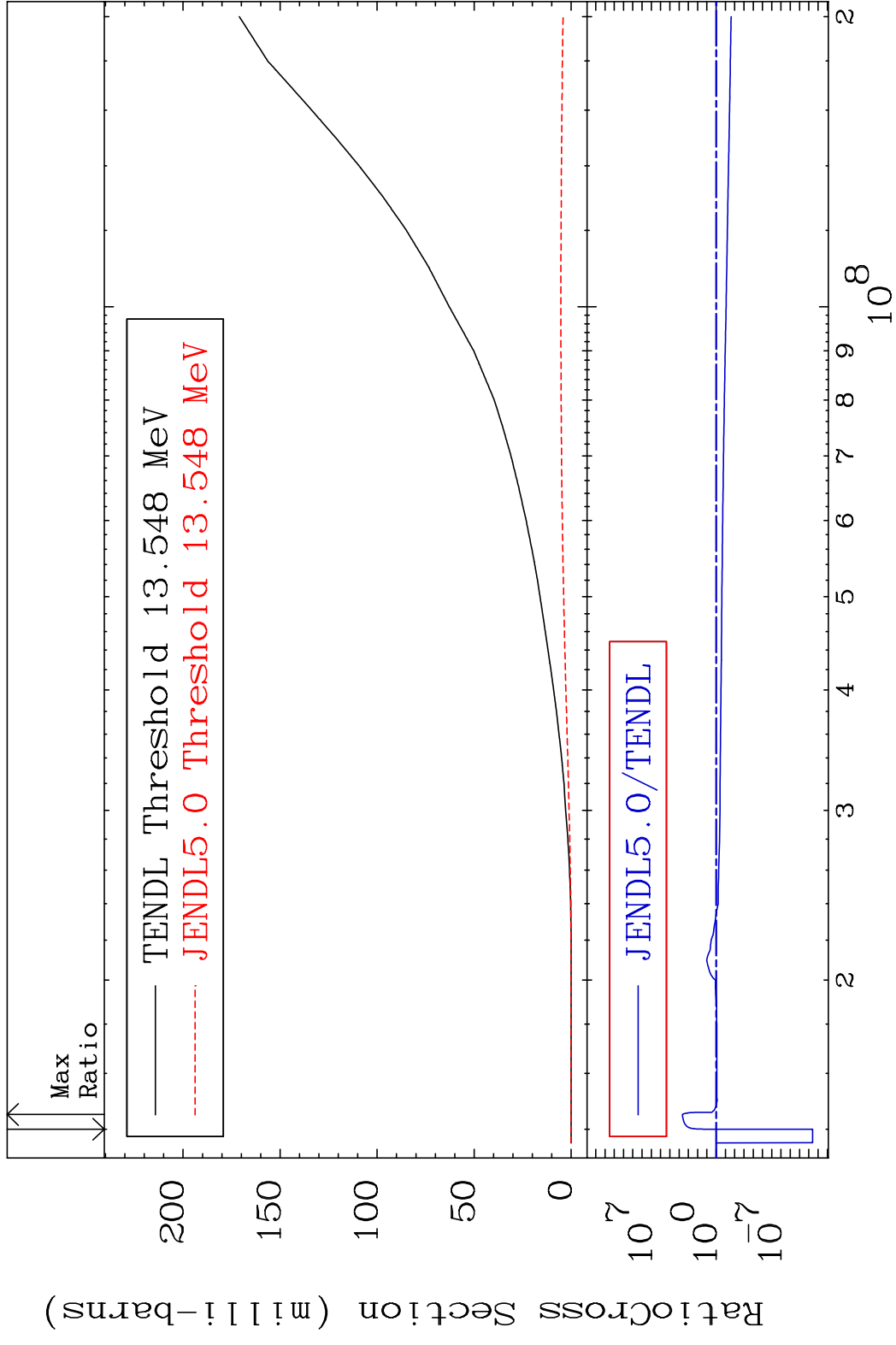
MAT 1834 Deuterium Production 18-Ar-39  
 Cross Section -100.0 To 222.3 %



MAT 1834 Tritium Production 18-Ar-39  
 Cross Section -100.0 To 71.36 %



Cross Section -100.0 To 9999. %

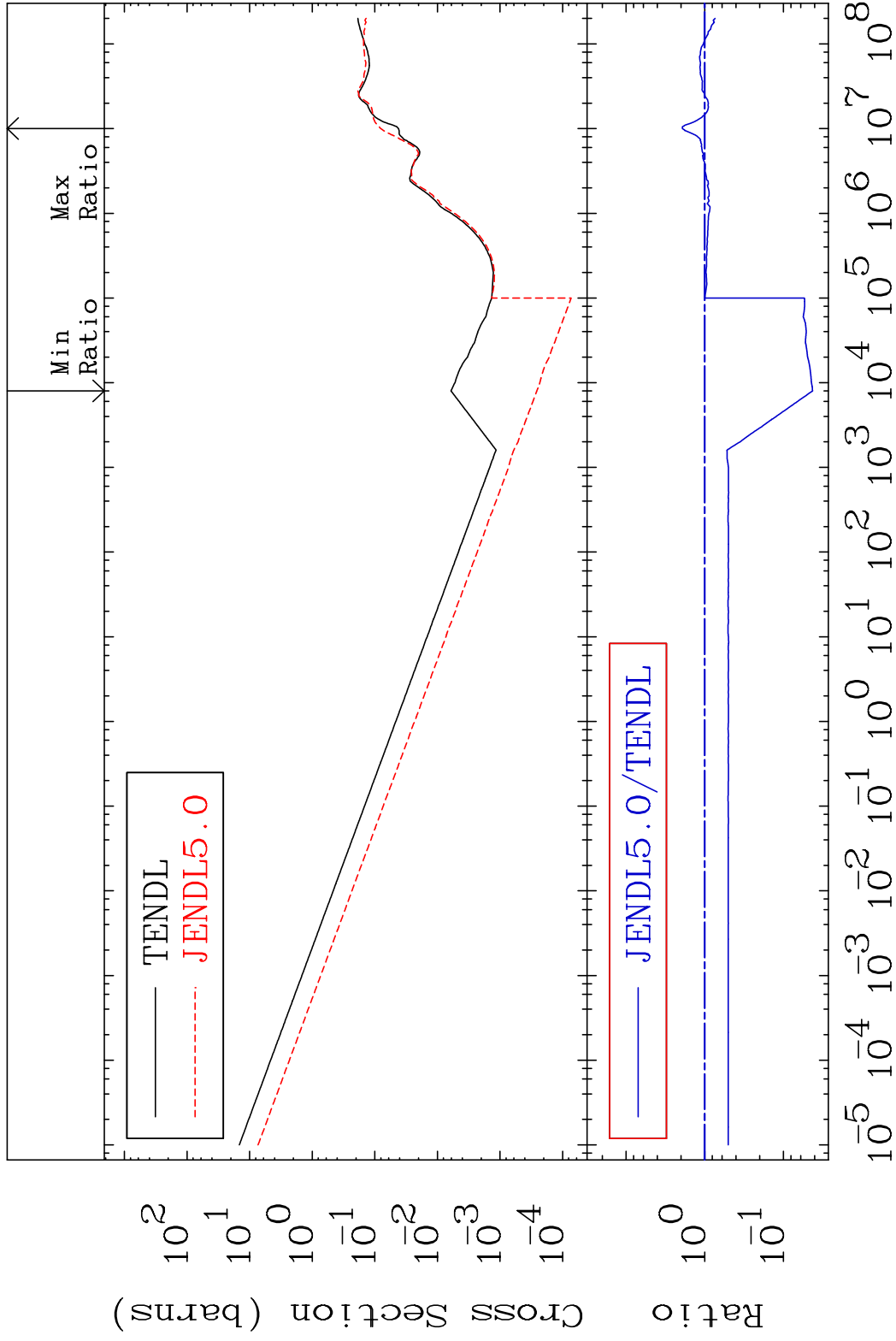


MAT 1834

He-4 Production

18-Ar-39

Cross Section -95.74 To 92.37 %

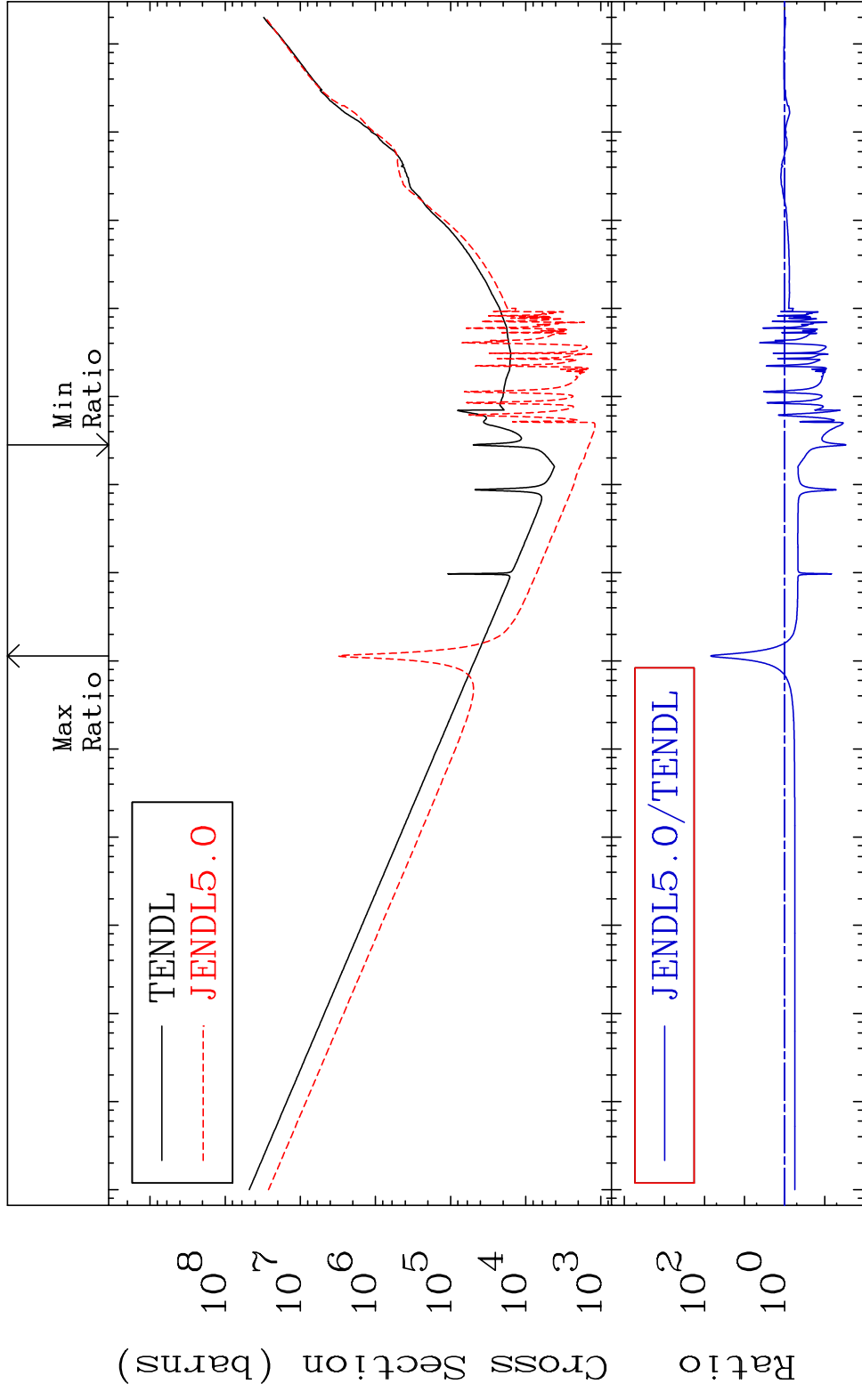


59

Incident Energy (eV)

18-Ar-39

MAT 1834 Kerma total (eV-barns) 18-Ar-39  
 Cross Section -97.12 To 6887. %



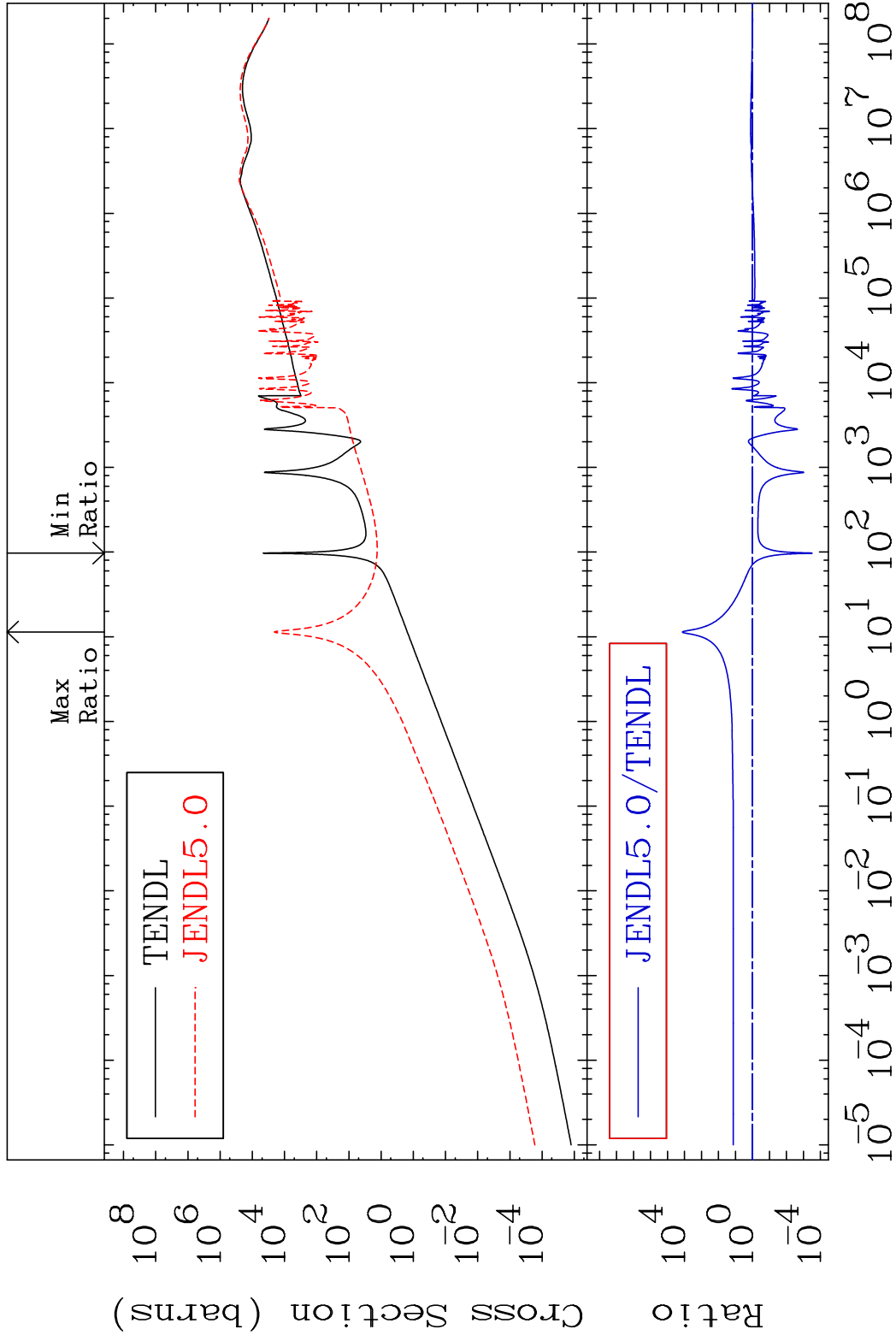
60 Incident Energy (eV) 18-Ar-39

MAT 1834

Kerma elastic

18-Ar-39

Cross Section -99.97 To 9999. %

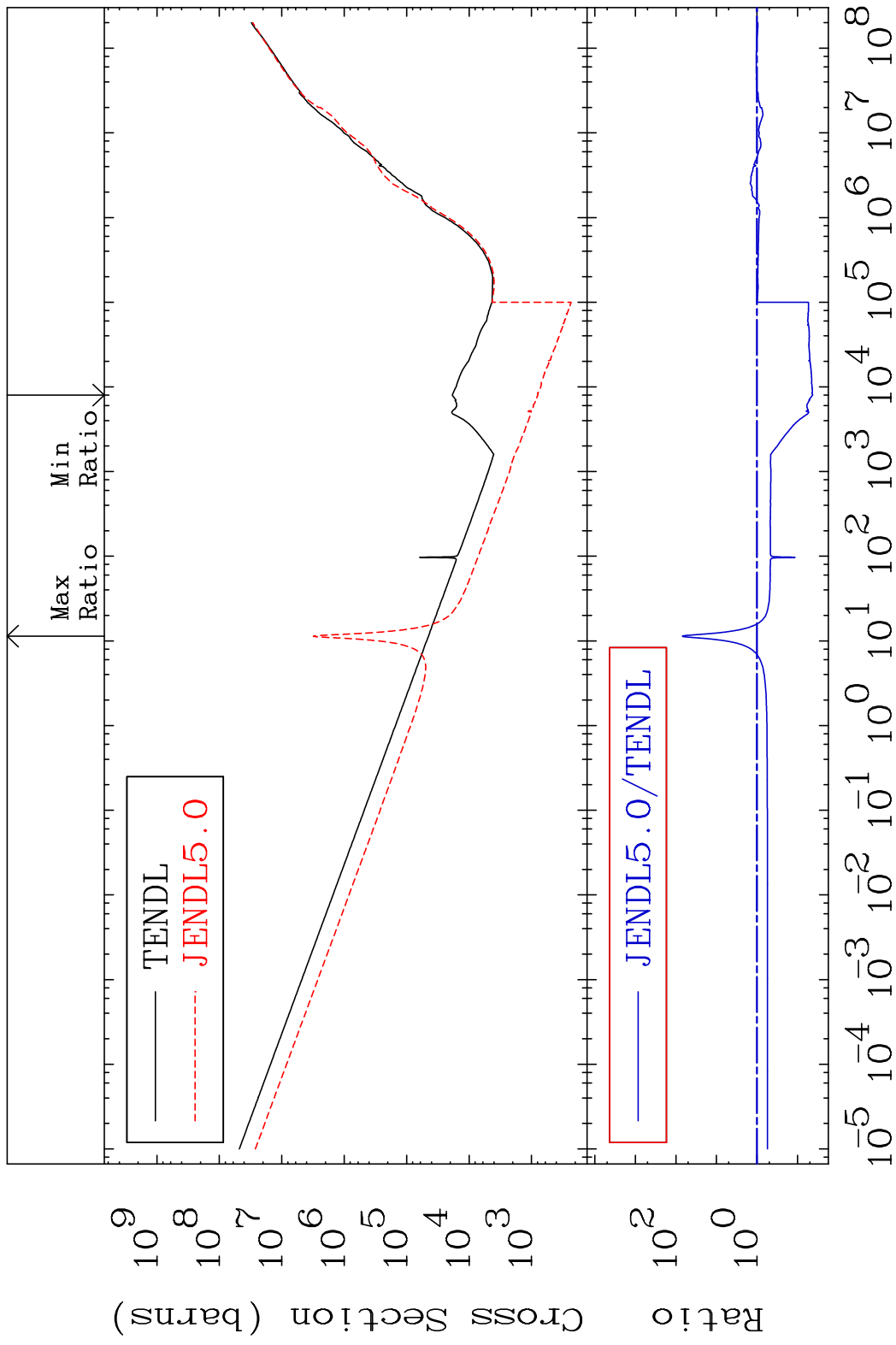


61

Incident Energy (eV)

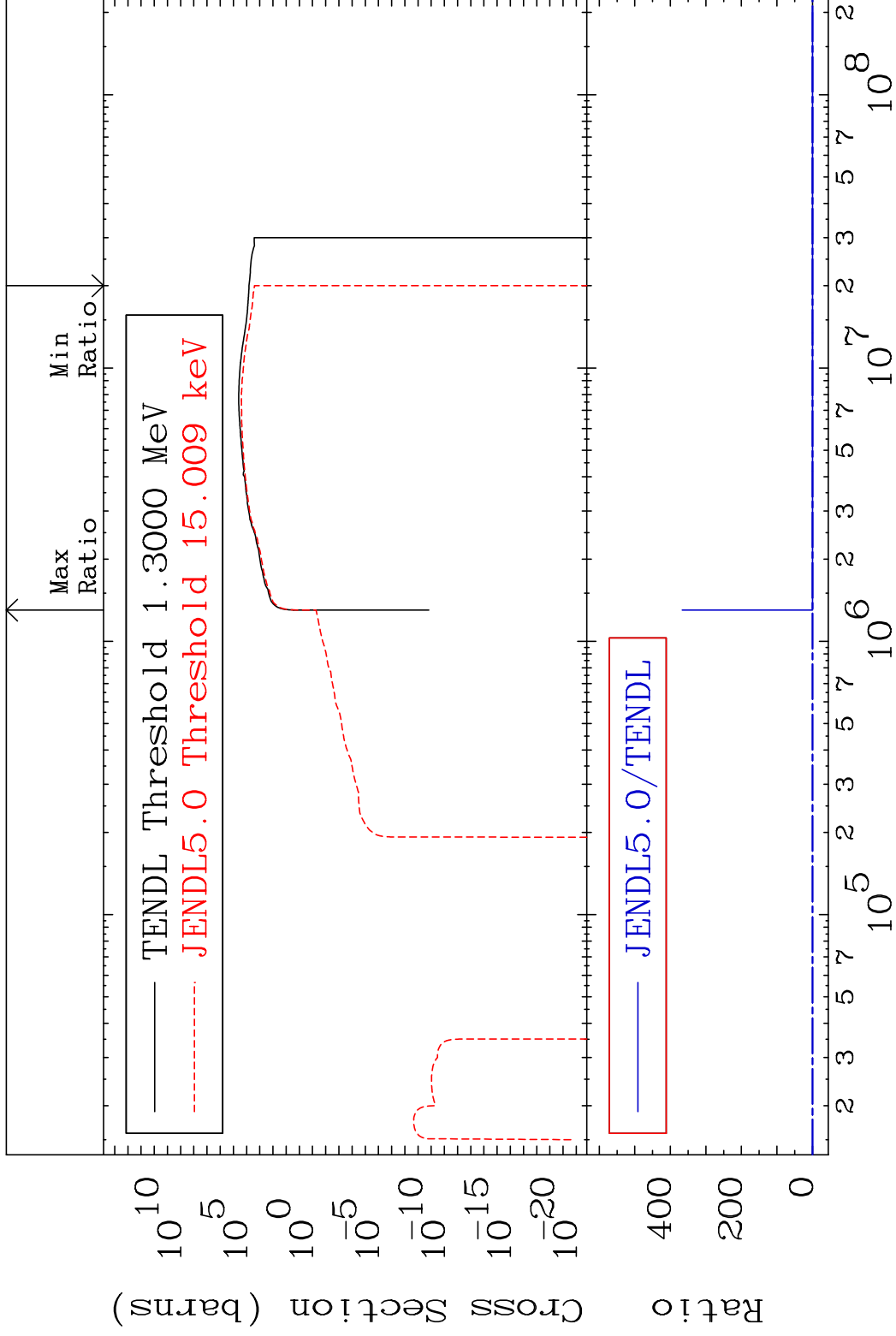
18-Ar-39

MAT 1834 Kerma non-elastic (all but mt2) 18-Ar-39  
 Cross Section -95.73 To 6841. %

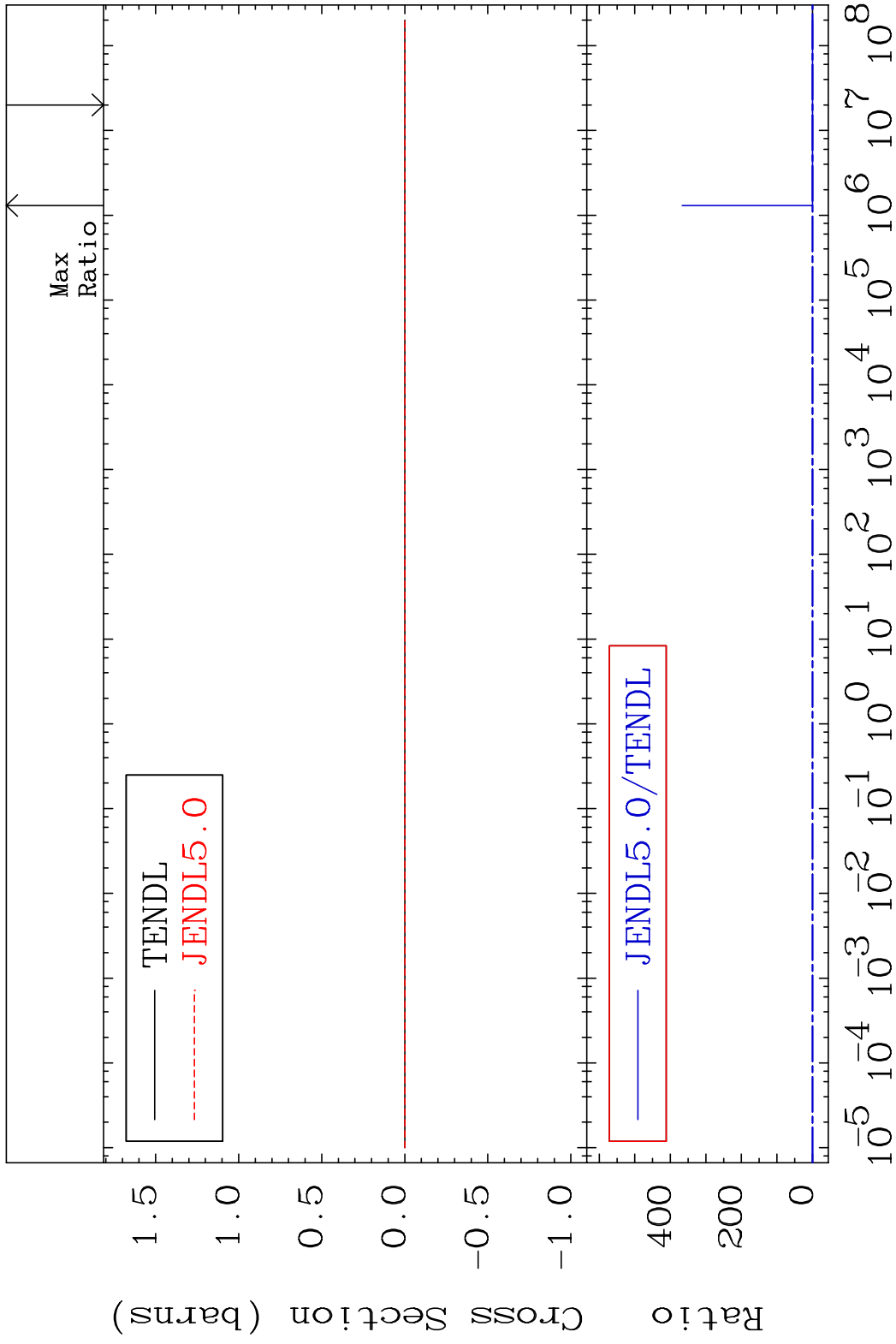


MAT 1834

Kerma inelastic (mt51-91) 18-Ar-39  
Cross Section -100.0 To 9999. %



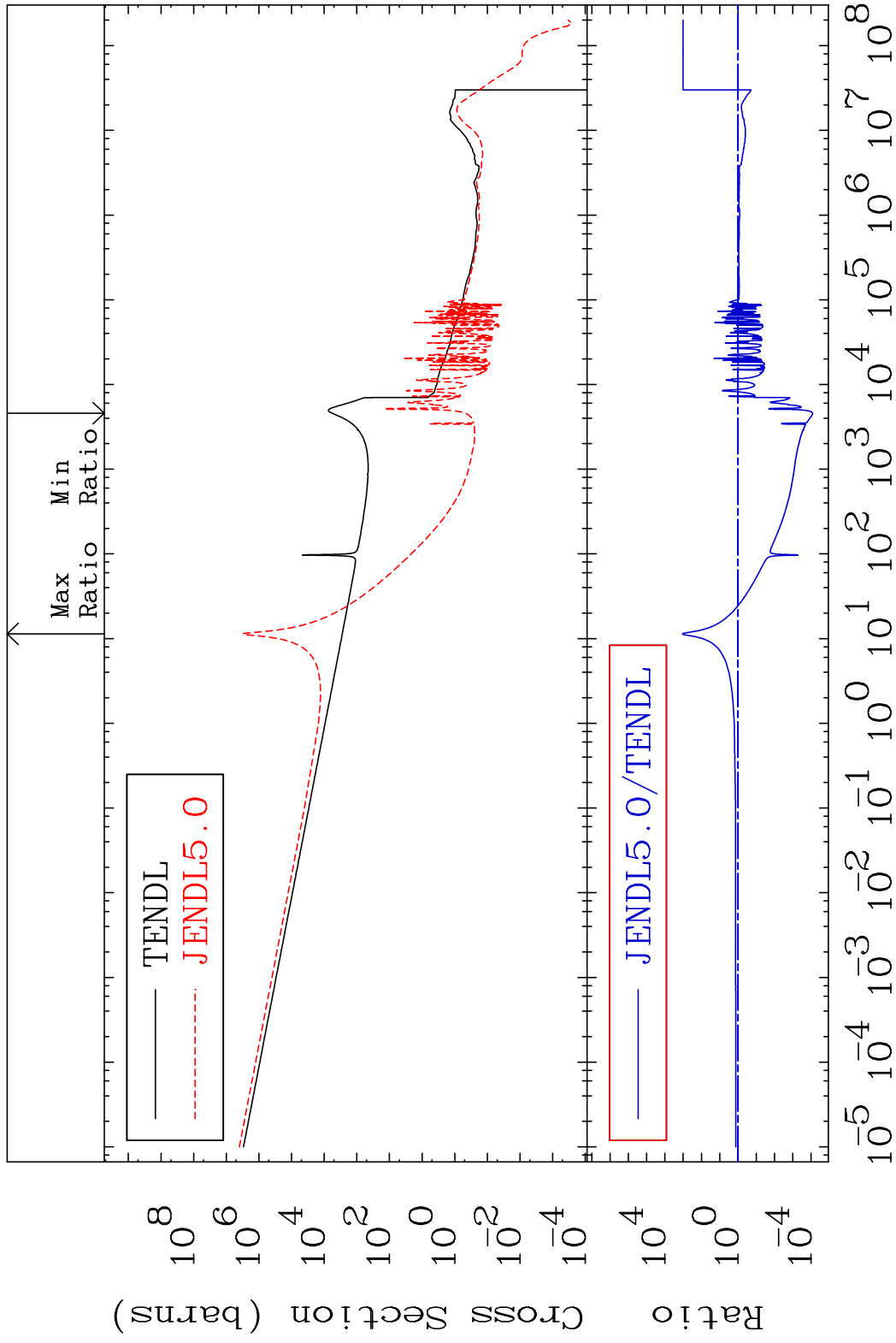
MAT 1834 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-39  
 Cross Section -100.0 To 9999. %



MAT 1834

Kerma capture (mt102) 18-Ar-39

Cross Section -99.99 To 9999. %

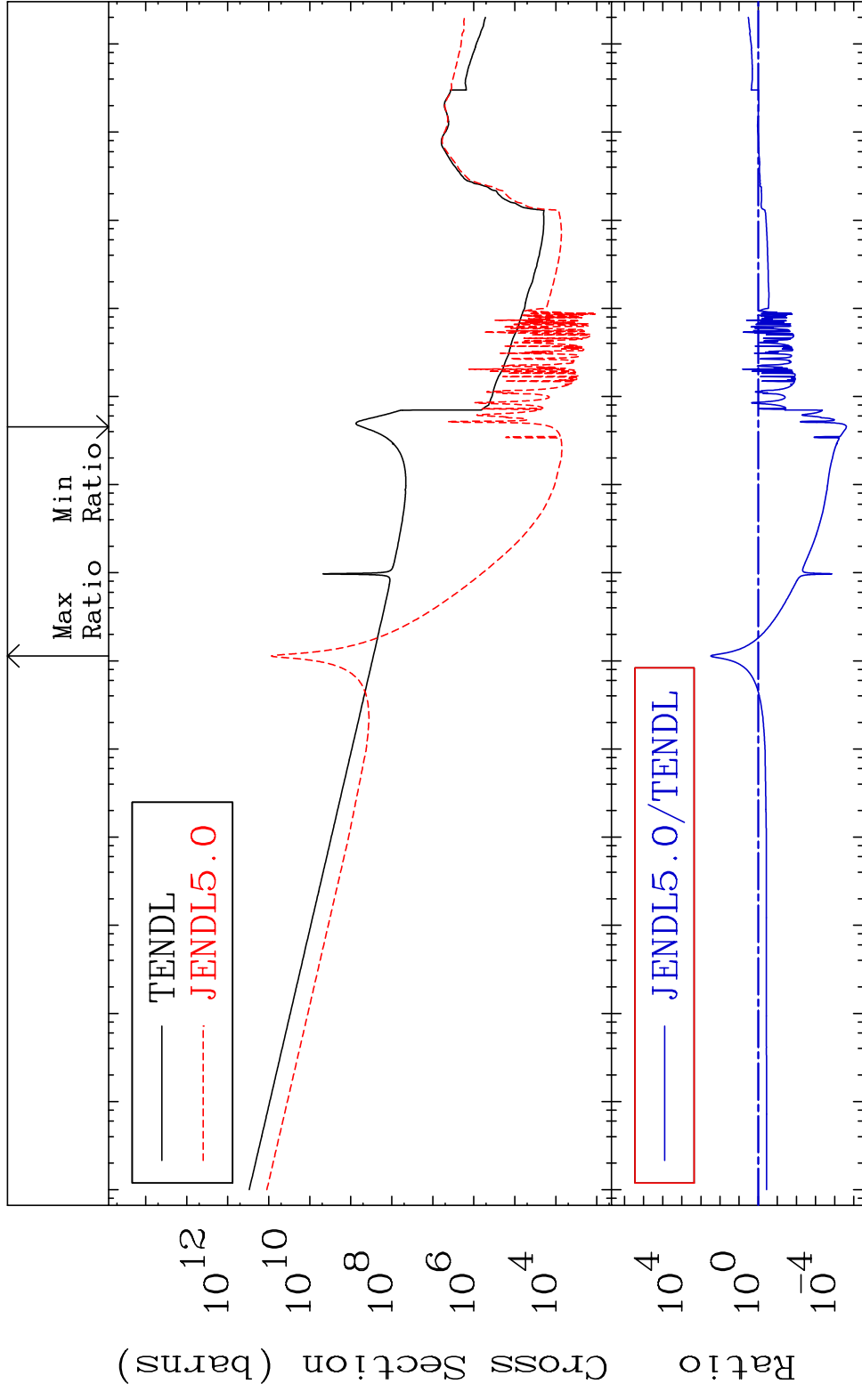


65

Incident Energy (eV)

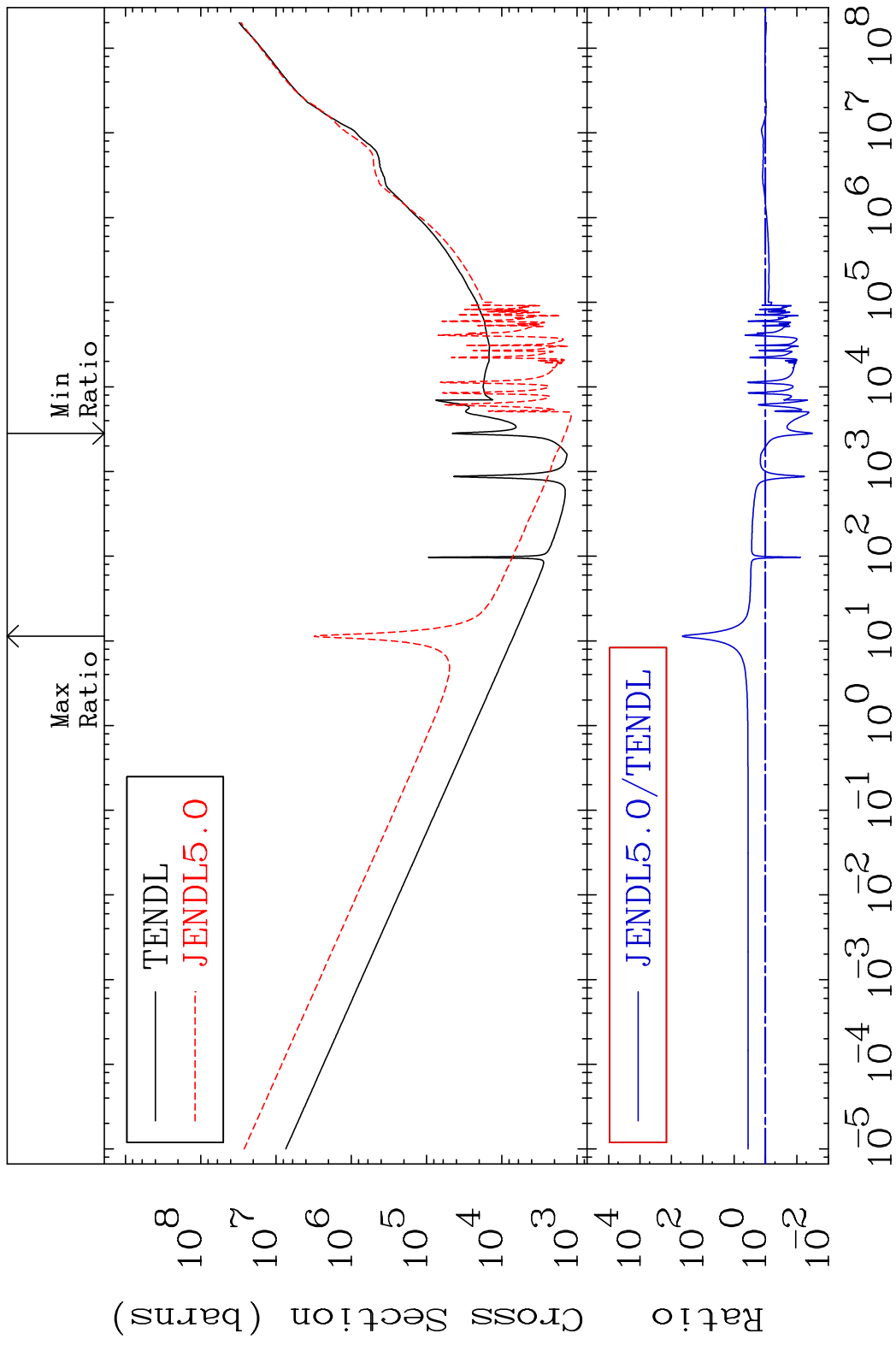
18-Ar-39

MAT 1834 Total photon (eV-barns) 18-Ar-39  
 Cross Section -100.0 To 9999. %

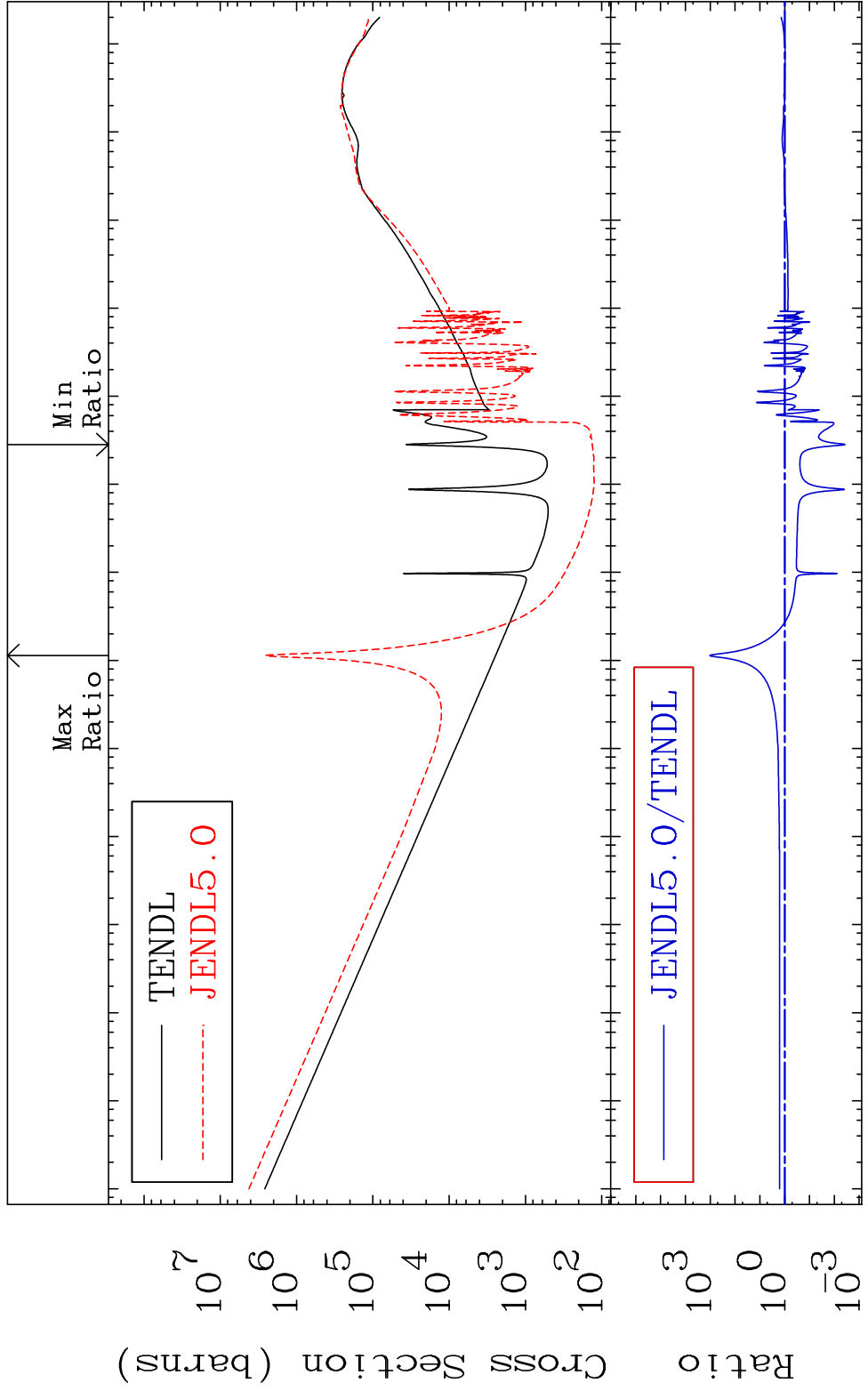


66 Incident Energy (eV) 18-Ar-39

MAT 1834 Total kinematic kerma (high limit) 18-Ar-39  
 Cross Section -96.84 To 9999. %



MAT 1834 Dpa total (eV-barns) 18-Ar-39  
 Cross Section -99.64 To 9999. %

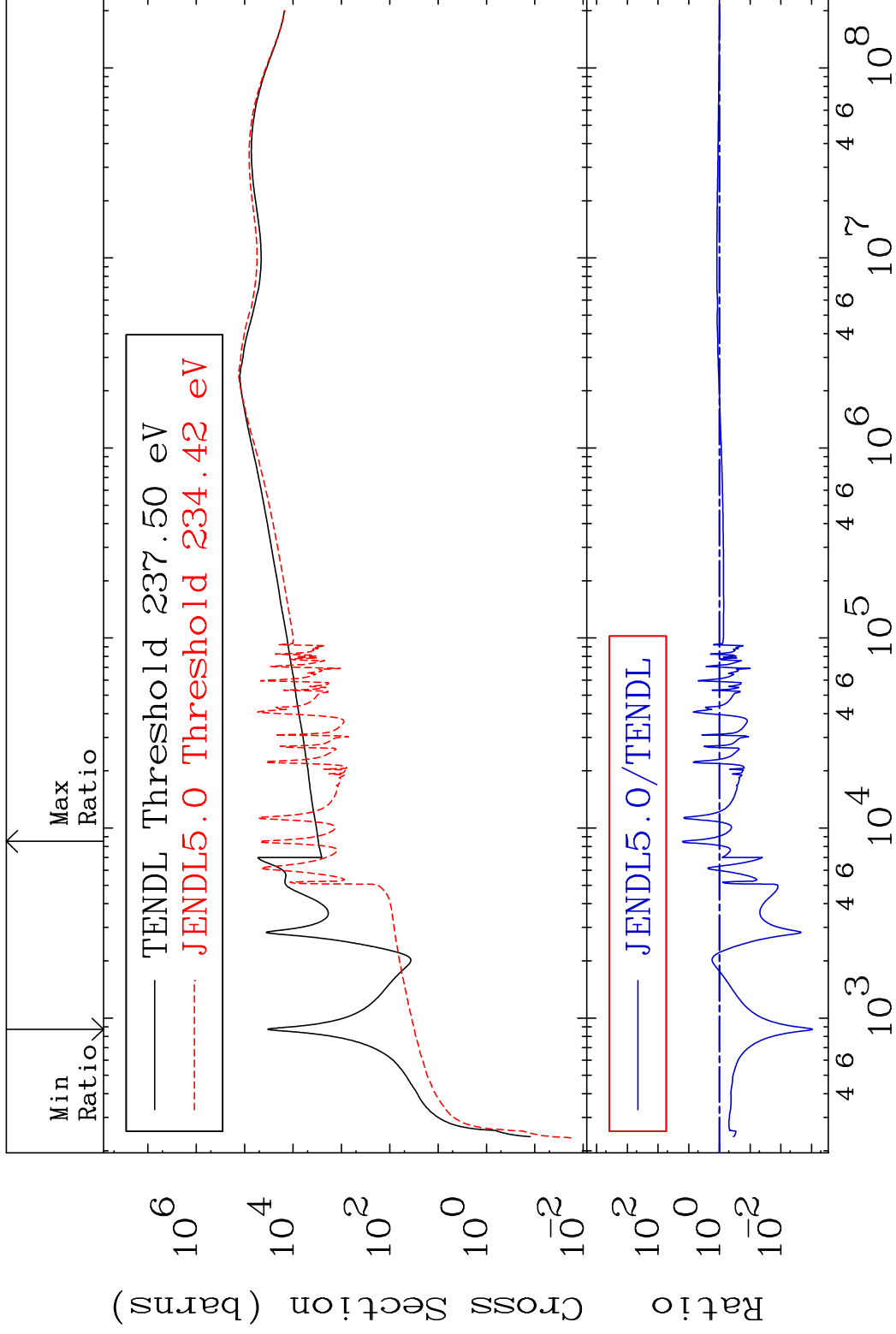


MAT 1834

Dpa elastic (mt2)

18-Ar-39

Cross Section -99.91 To 1536. %

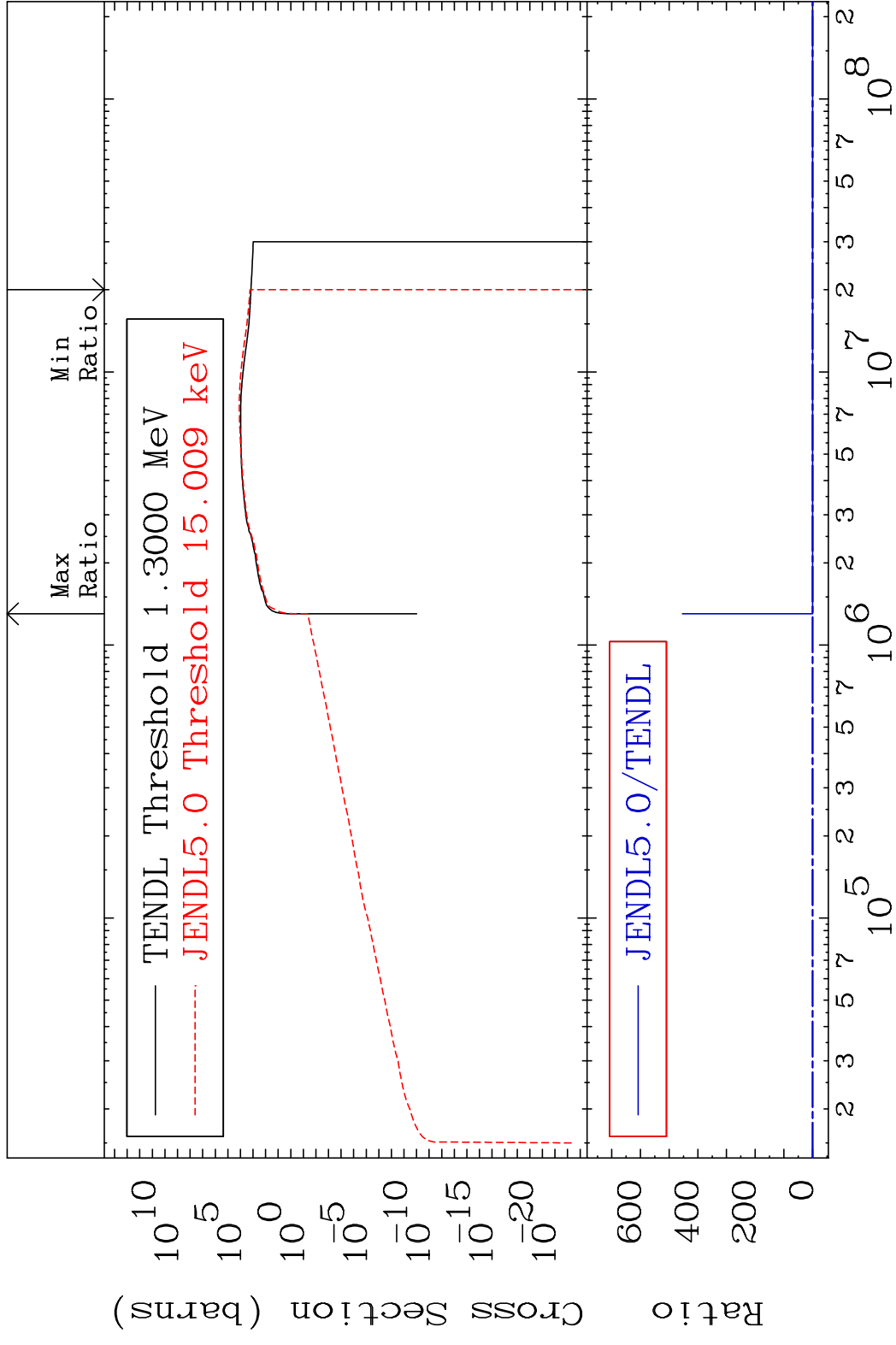


69

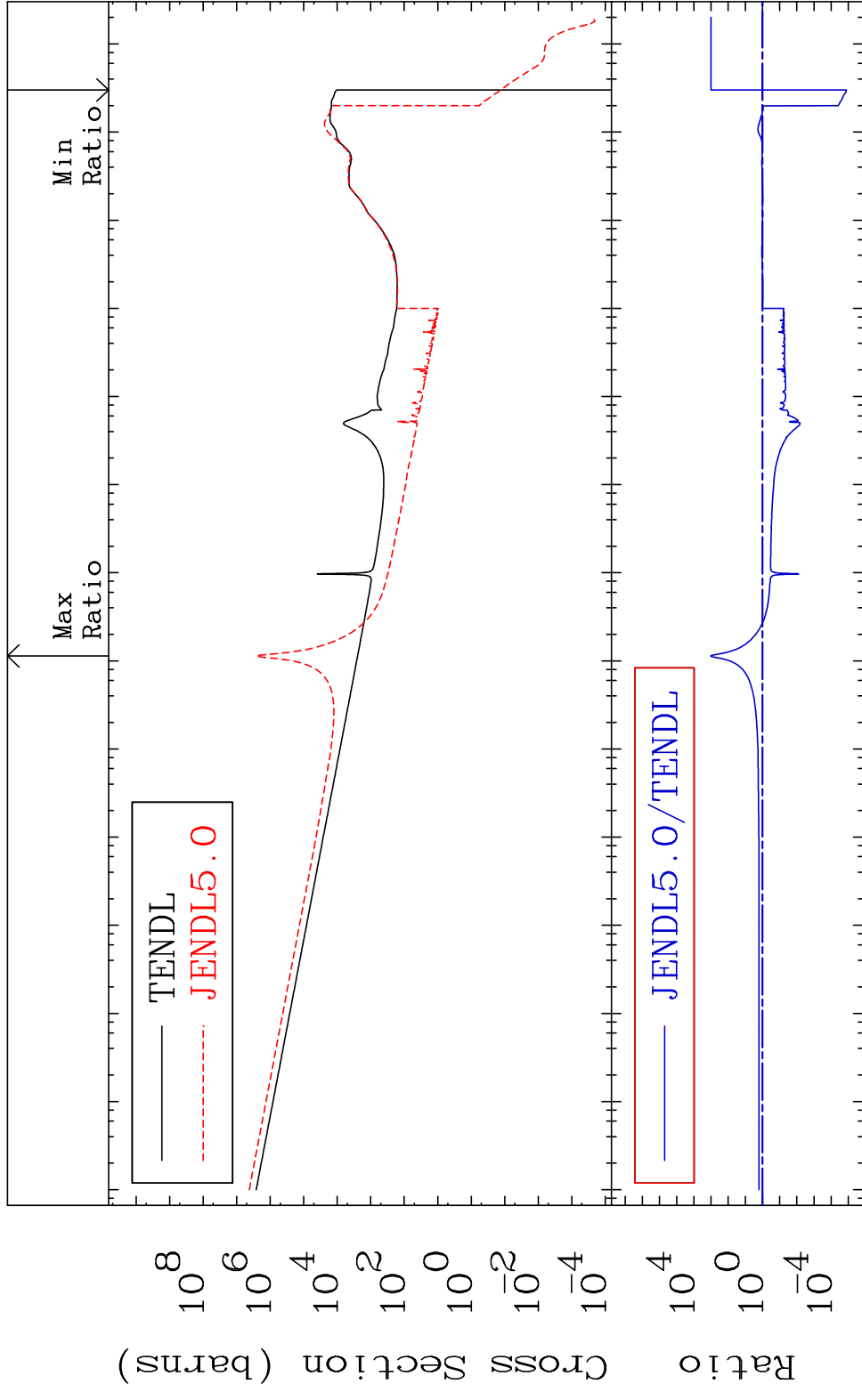
Incident Energy (eV)

18-Ar-39

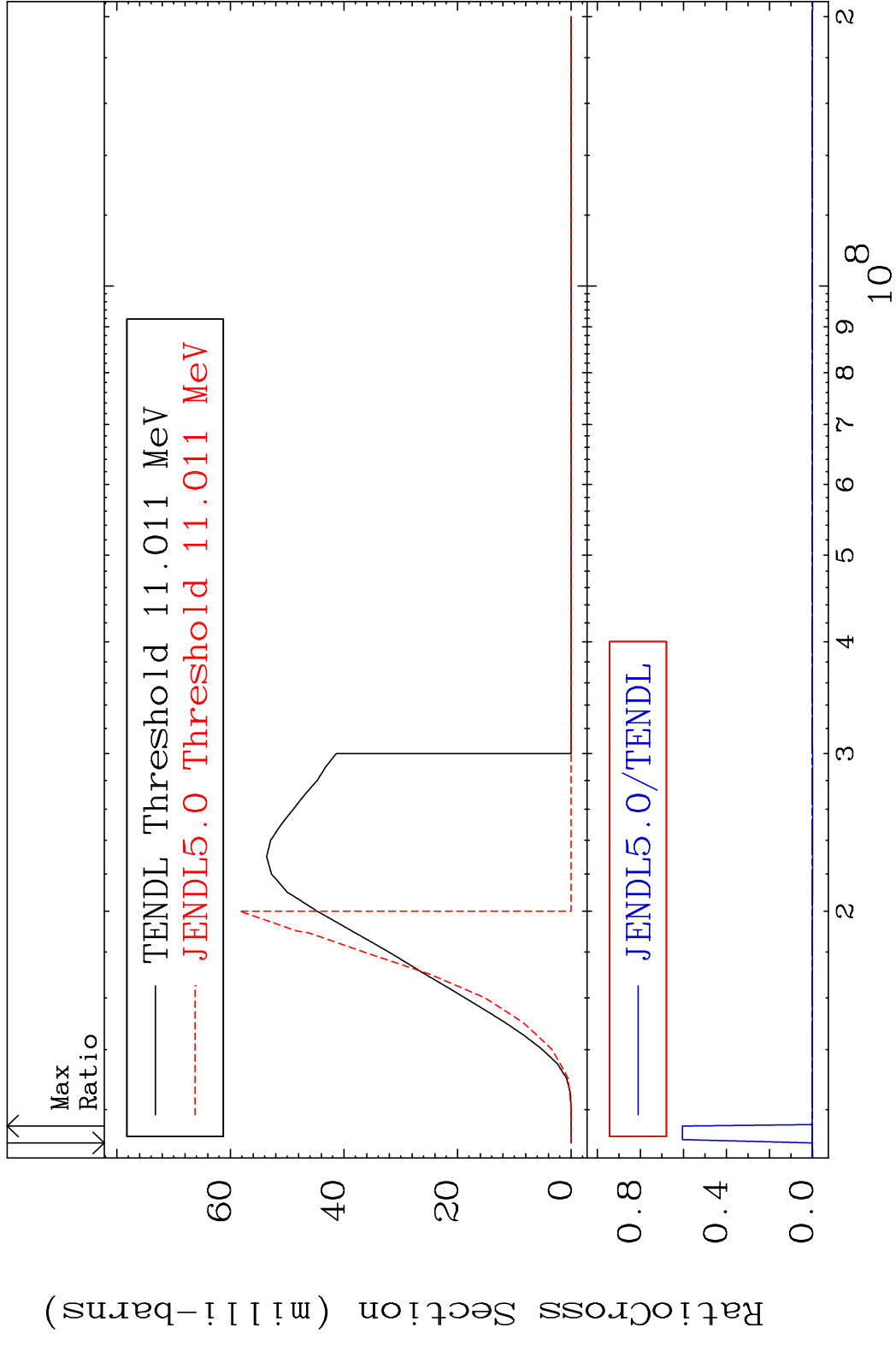
MAT 1834 Dpa inelastic (mt51-91) 18-Ar-39  
 Cross Section -100.0 To 9999. %

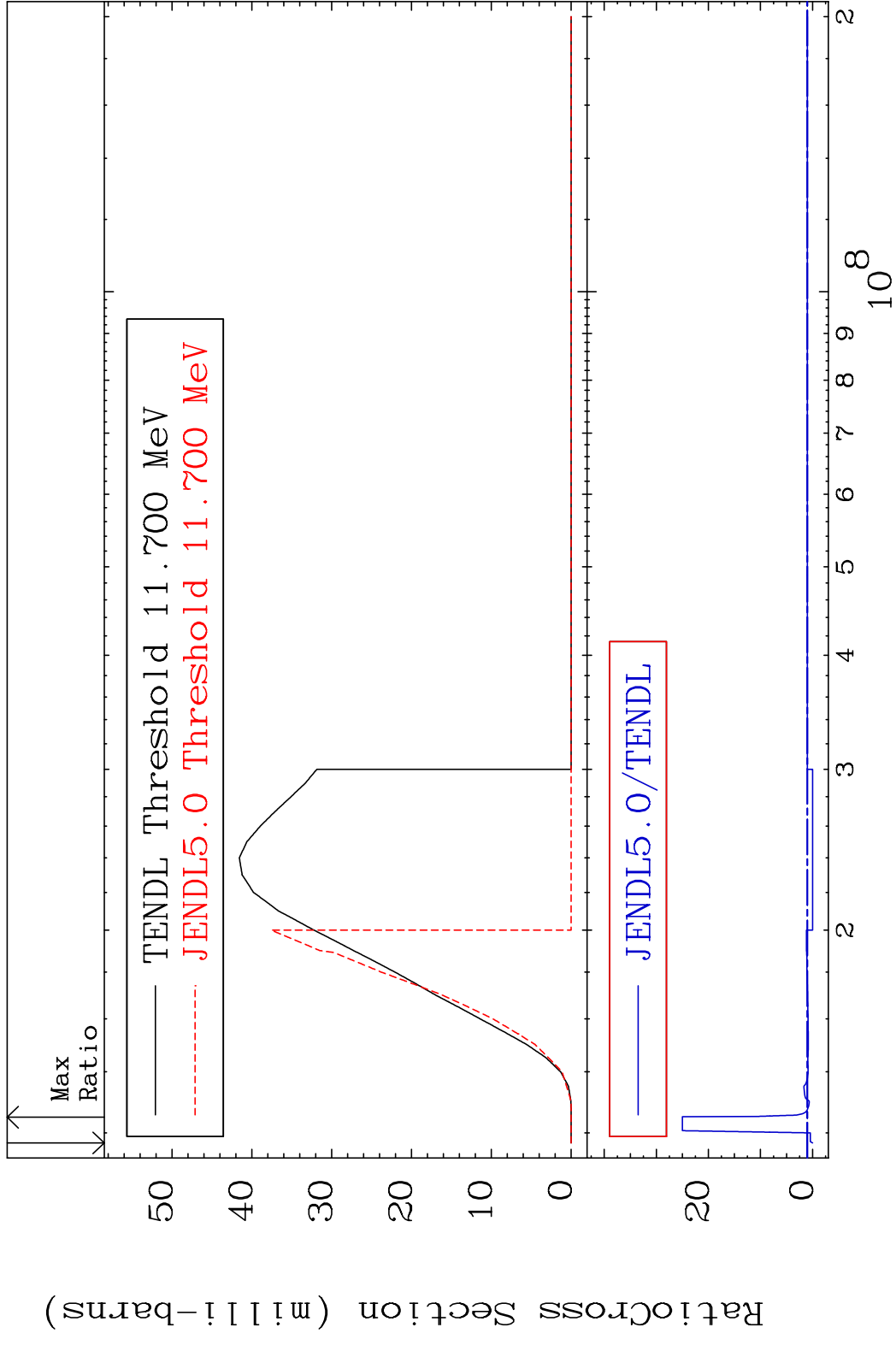


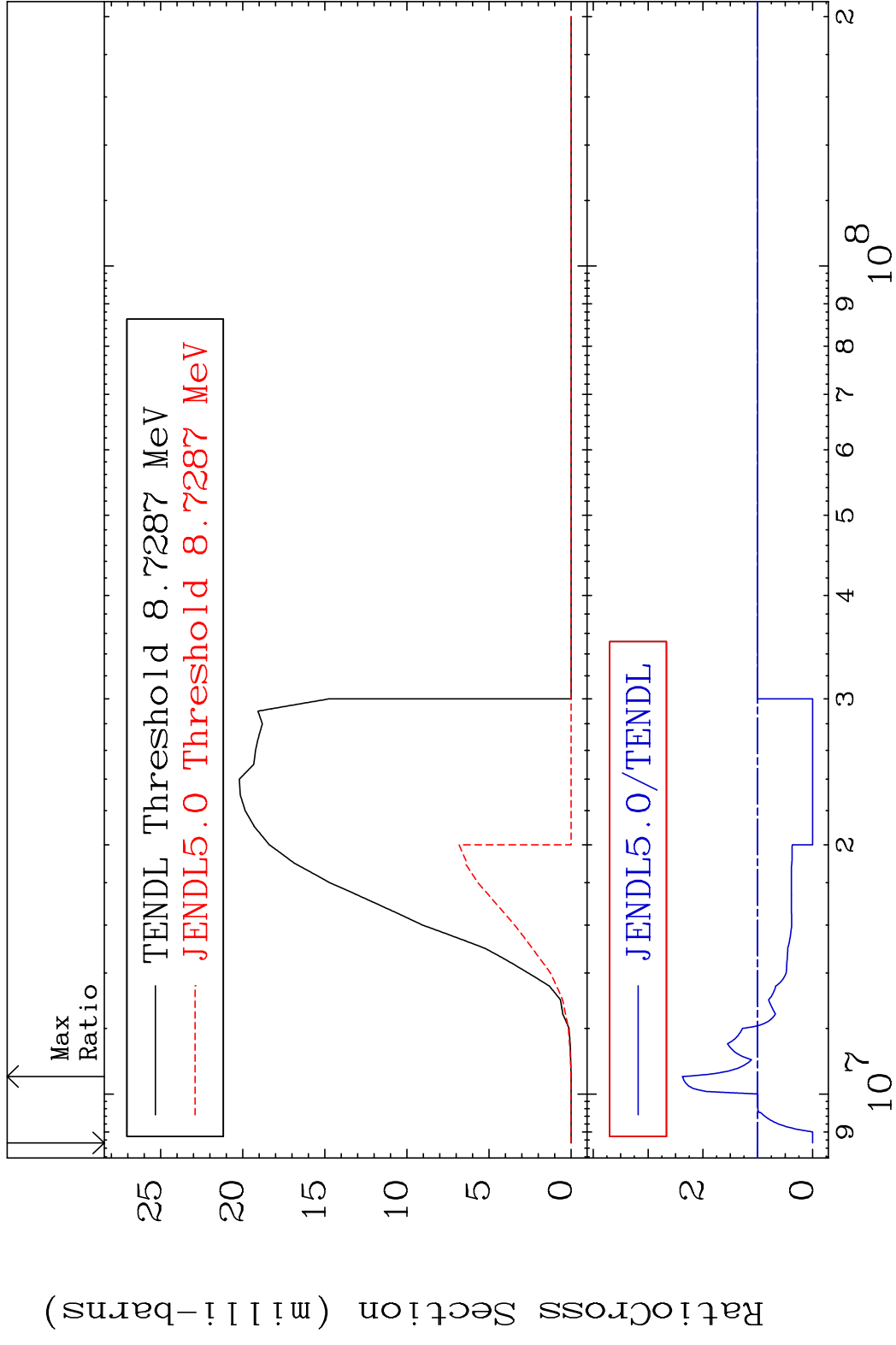
MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39  
 Cross Section -100.0 To 9999. %

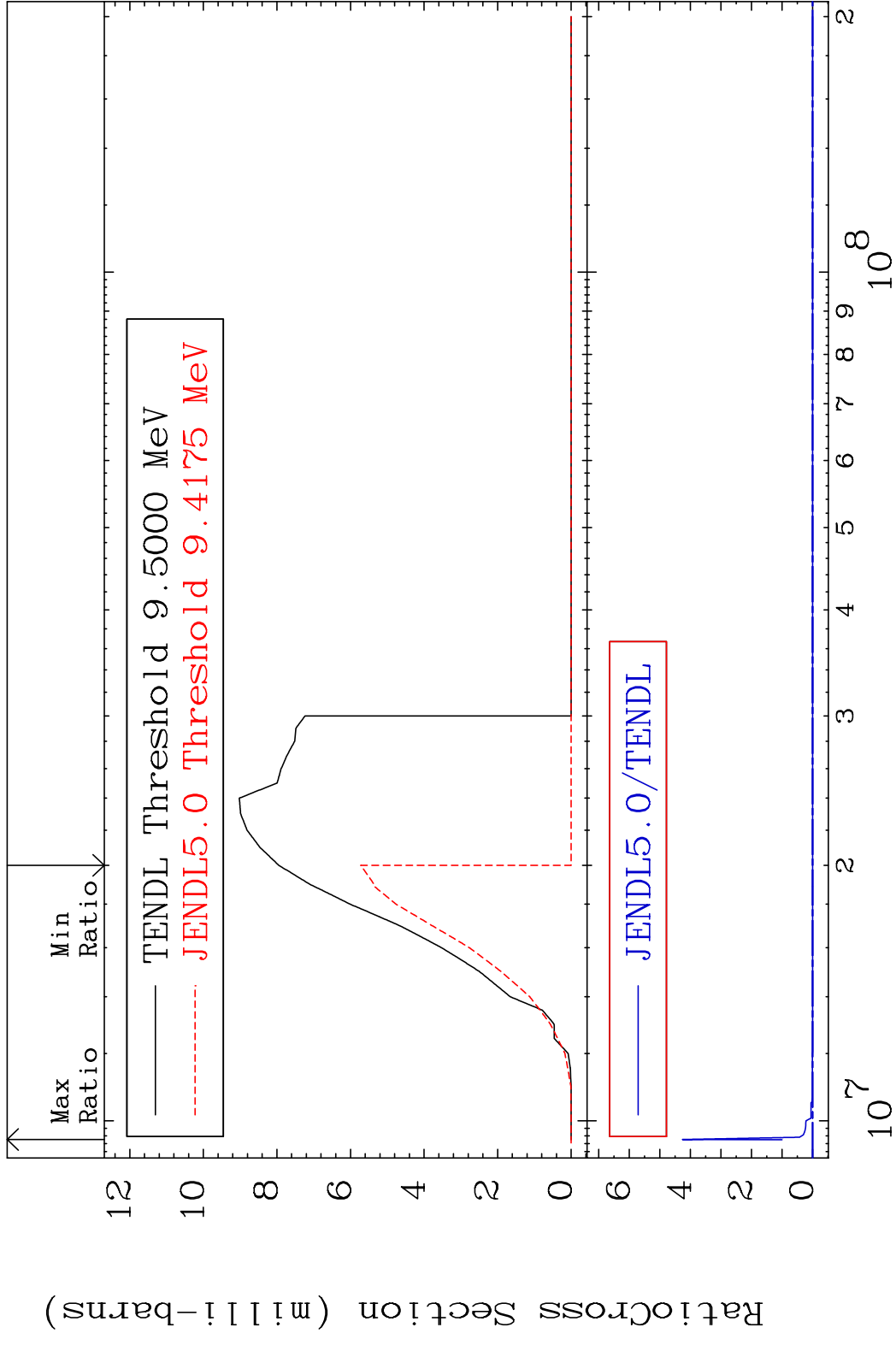


MAT 1834 (n, n') p:17-Cl-38g 18-Ar-39  
 Radionuclide Production Cross Section Ratio

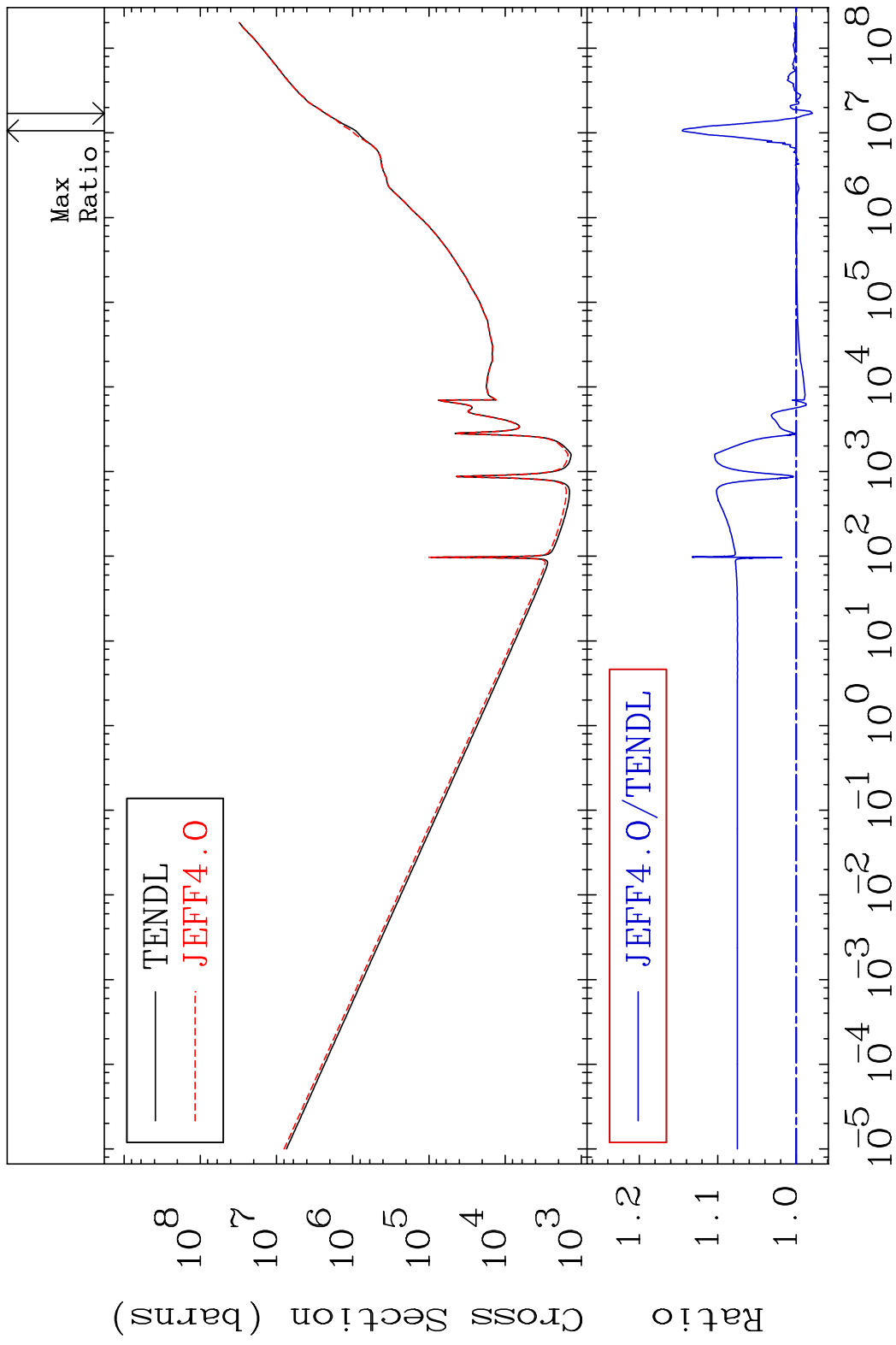








MAT 1834 Total kinematic kerma (high limit) 18-Ar-39  
 Cross Section -2.072 To 14.52 %

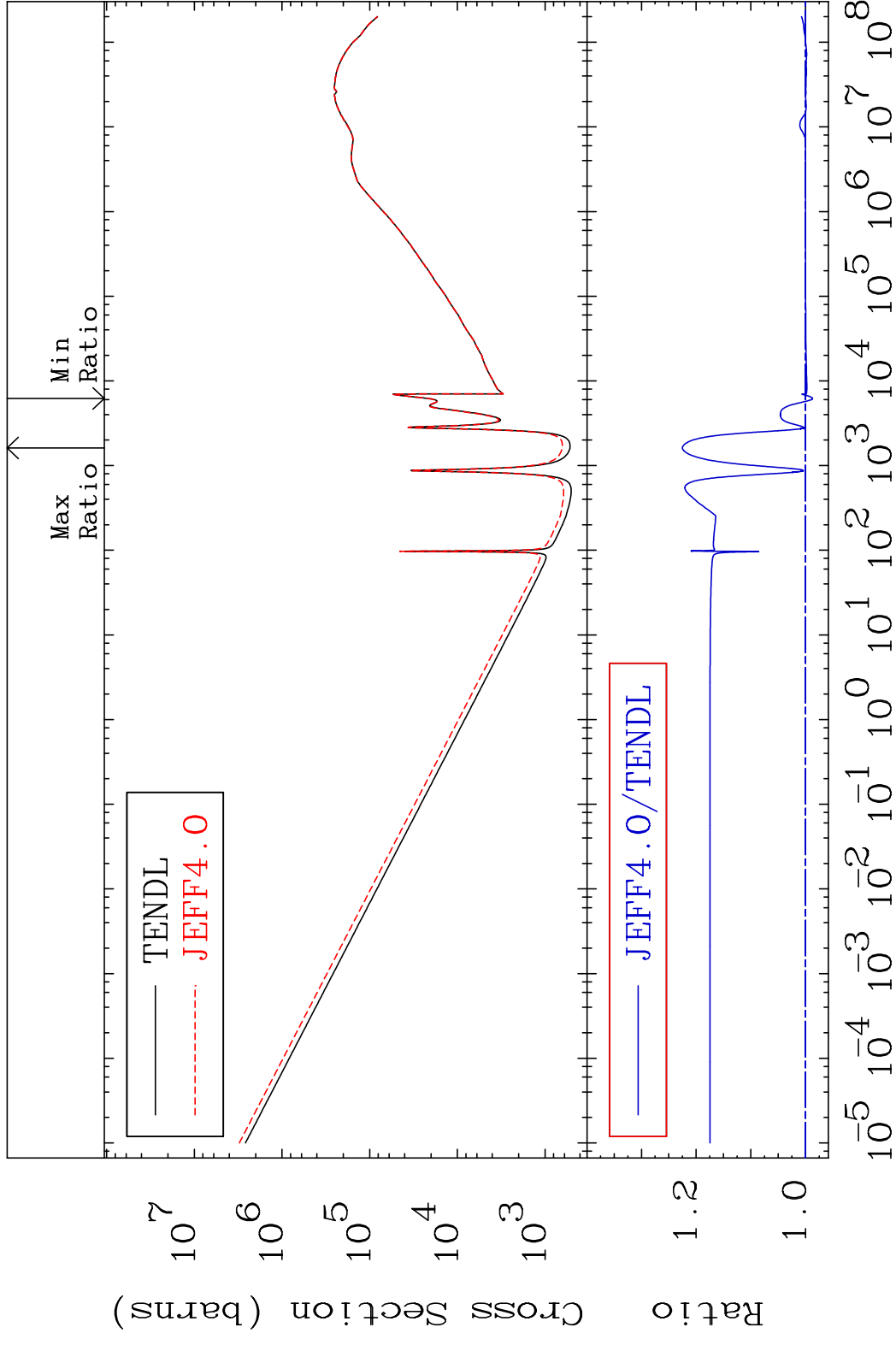


MAT 1834

Dpa total (eV-barns)

18-Ar-39

Cross Section -1.299 To 22.52 %

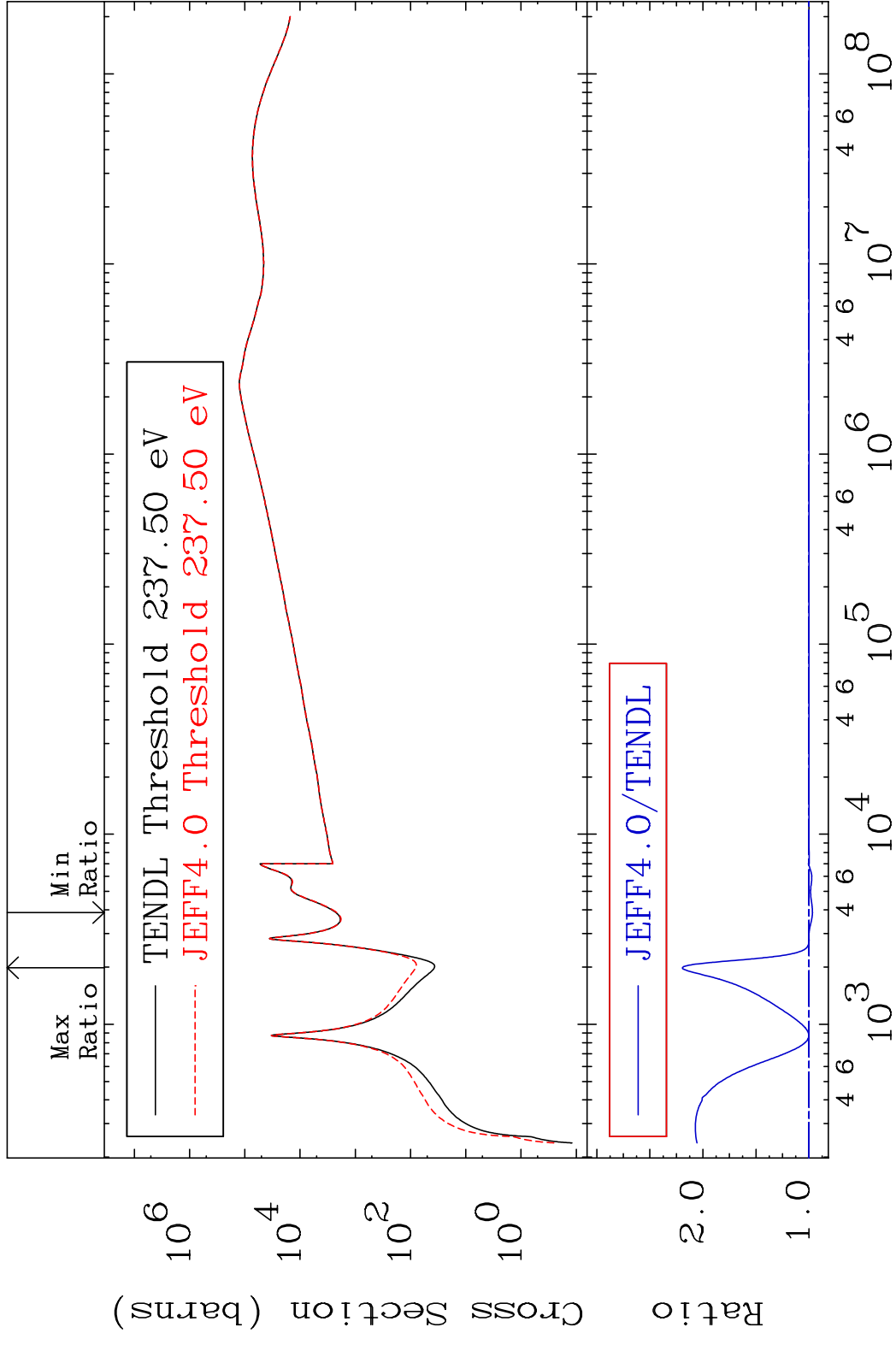


77

Incident Energy (eV)

18-Ar-39

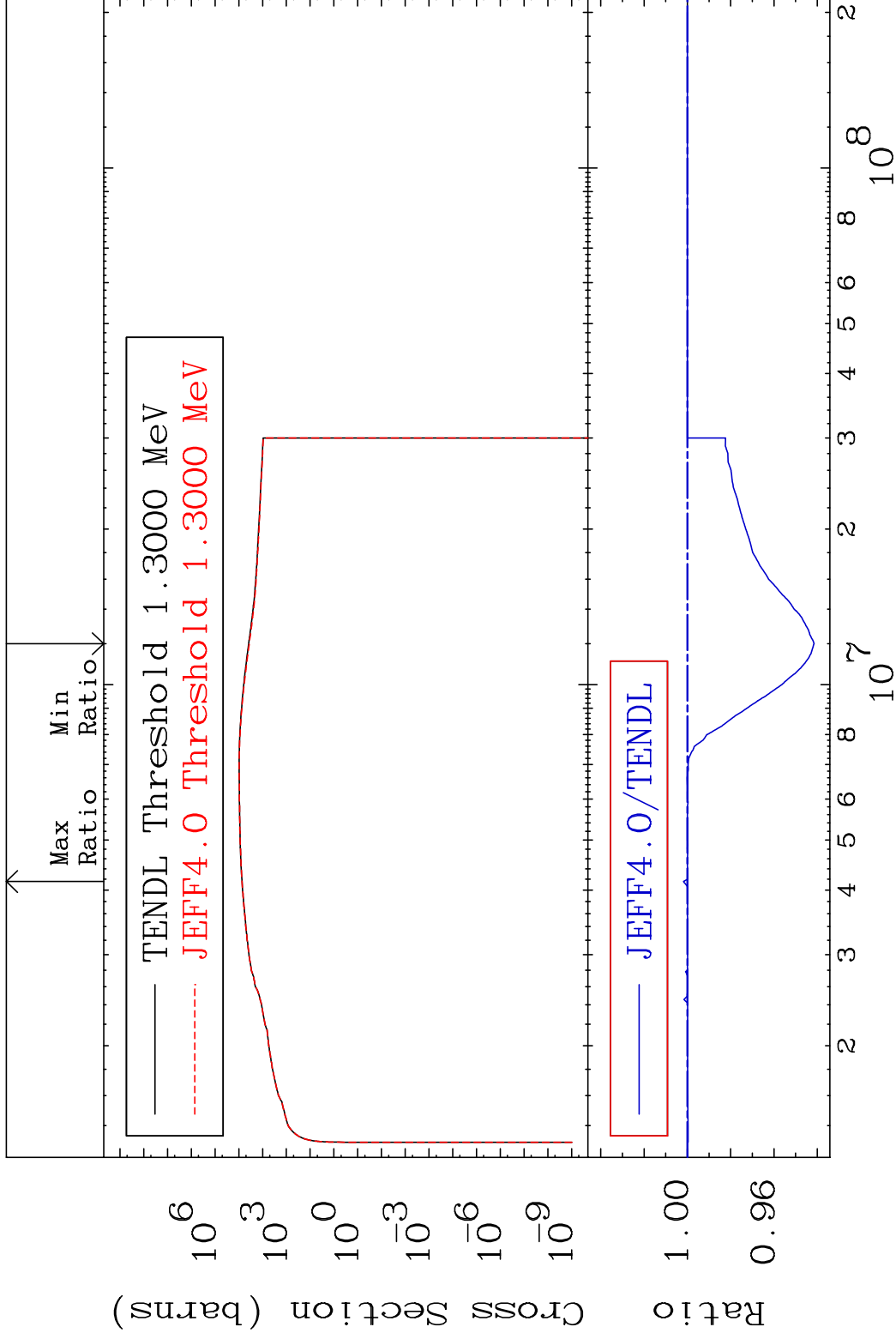
Cross Section -3.370 To 119.4 %



MAT 1834

Dpa inelastic (mt51-91) 18-Ar-39

Cross Section -5.850 To 0.182 %

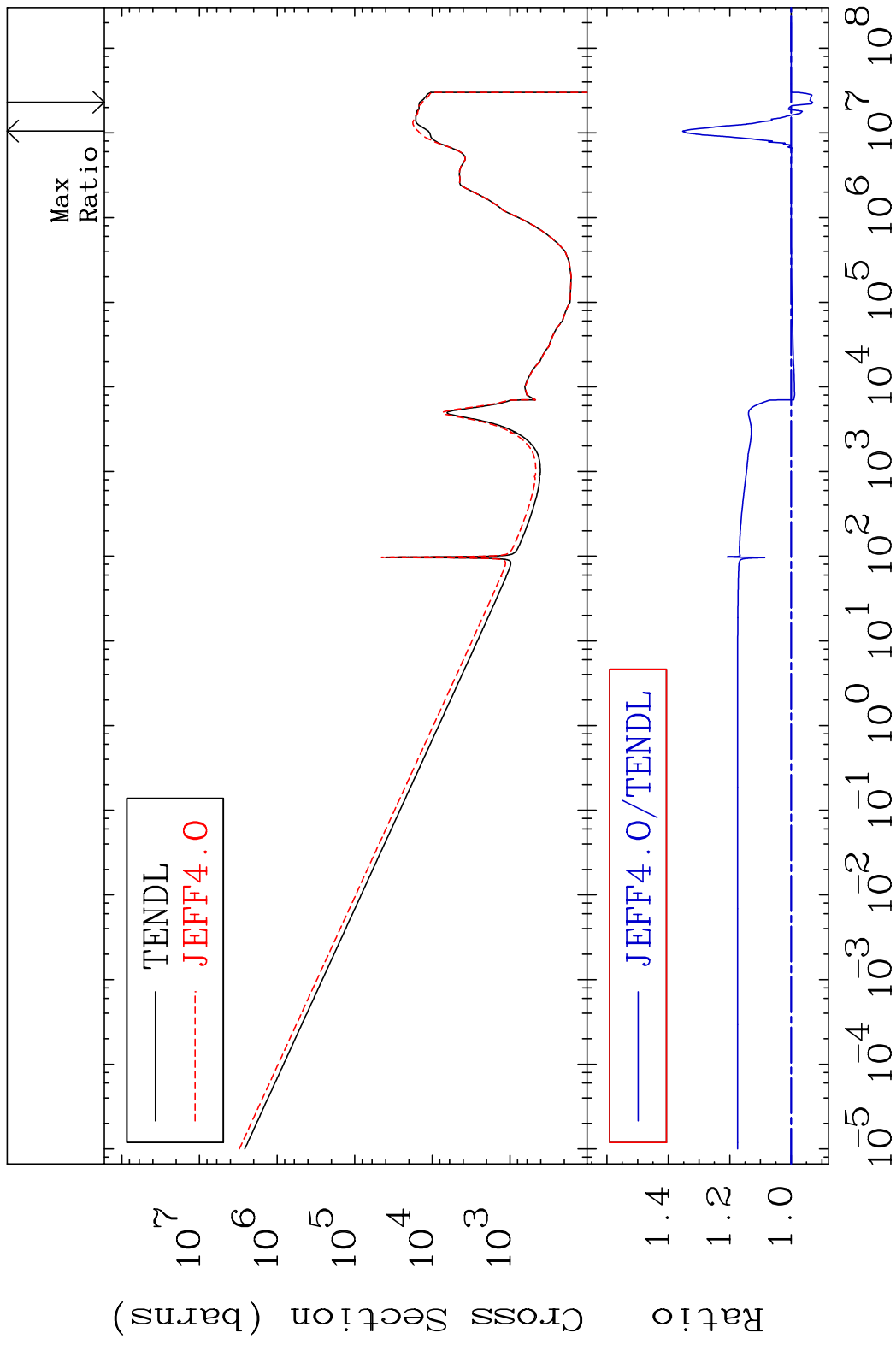


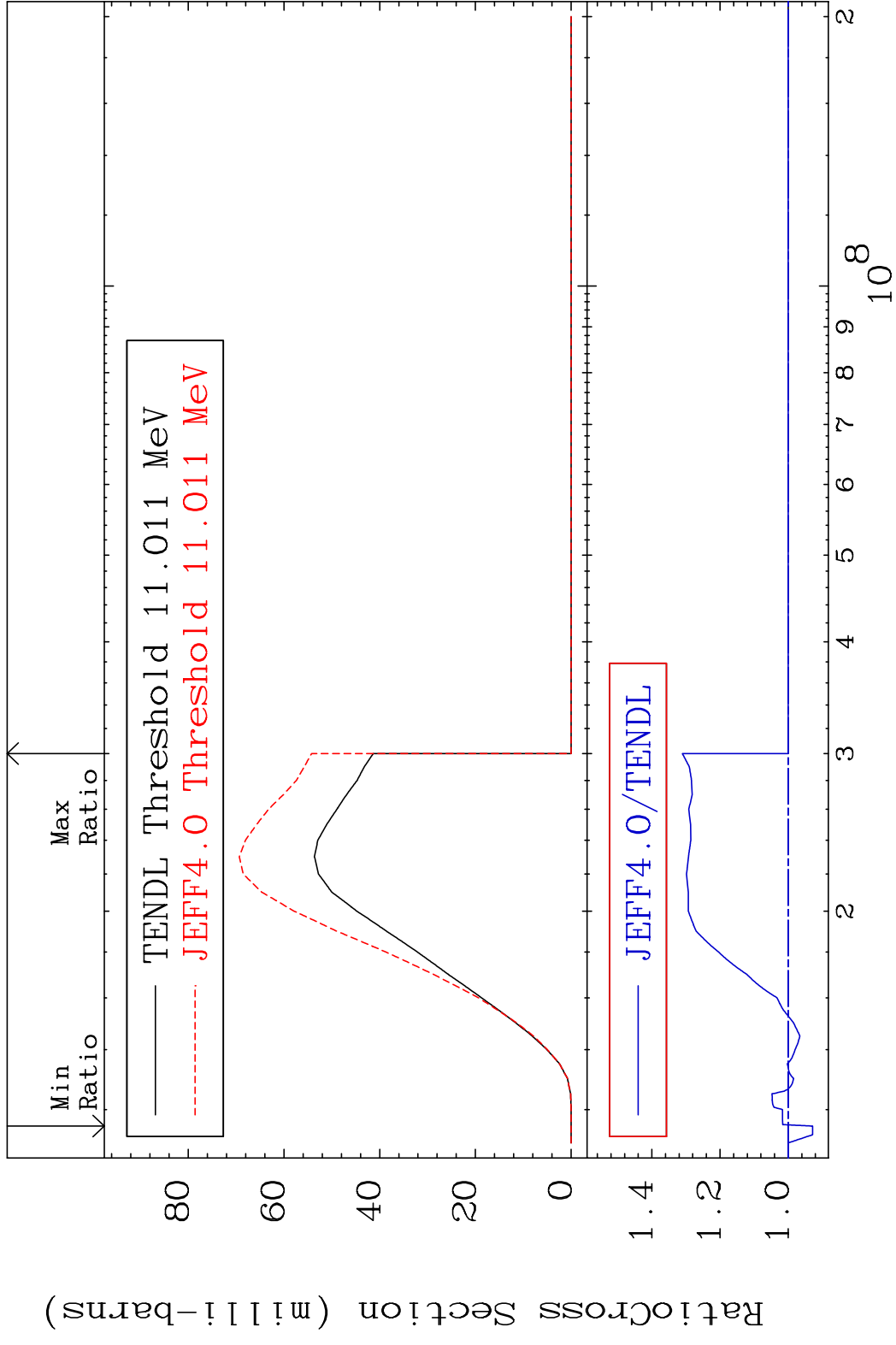
79

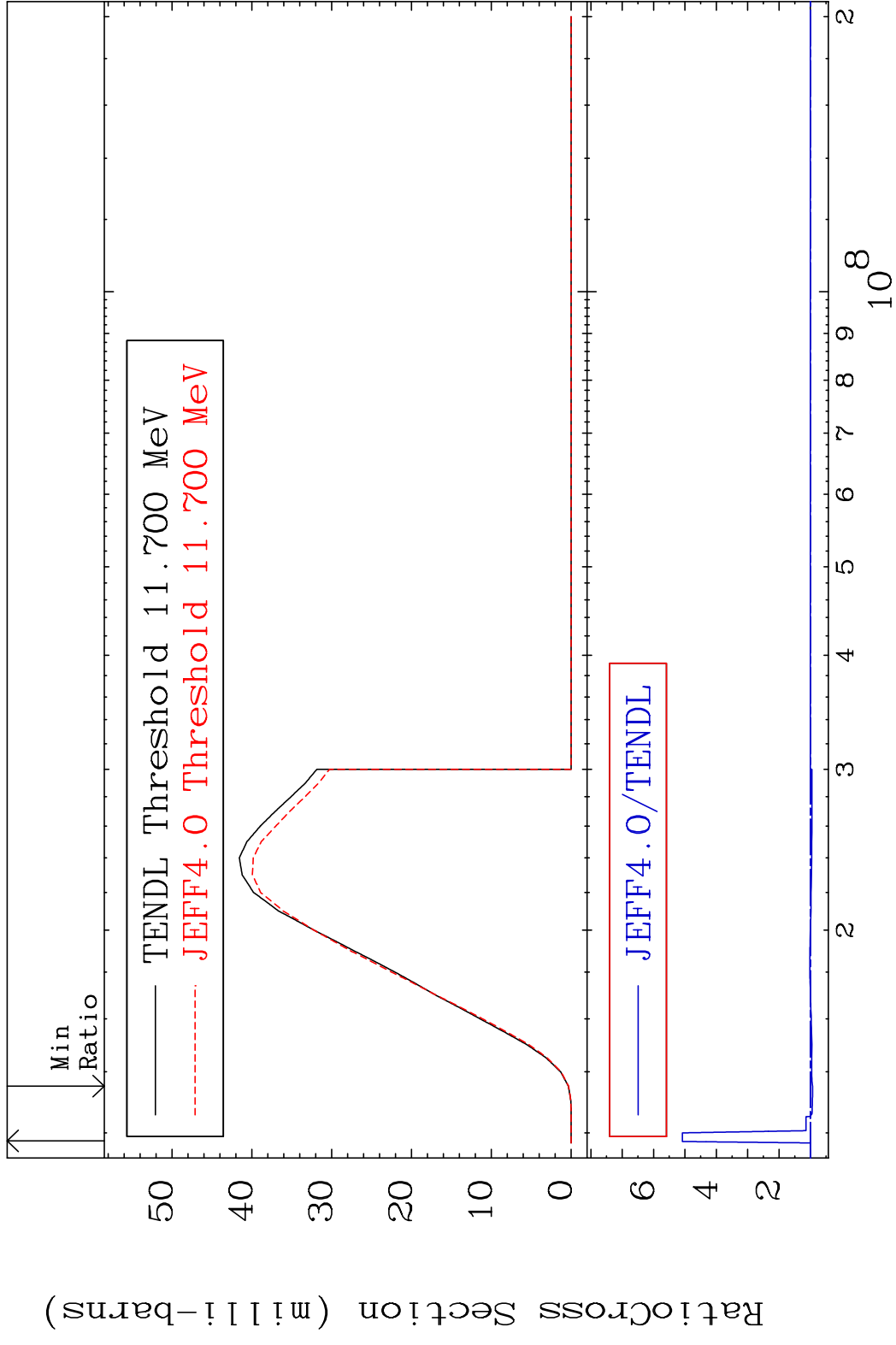
Incident Energy (eV)

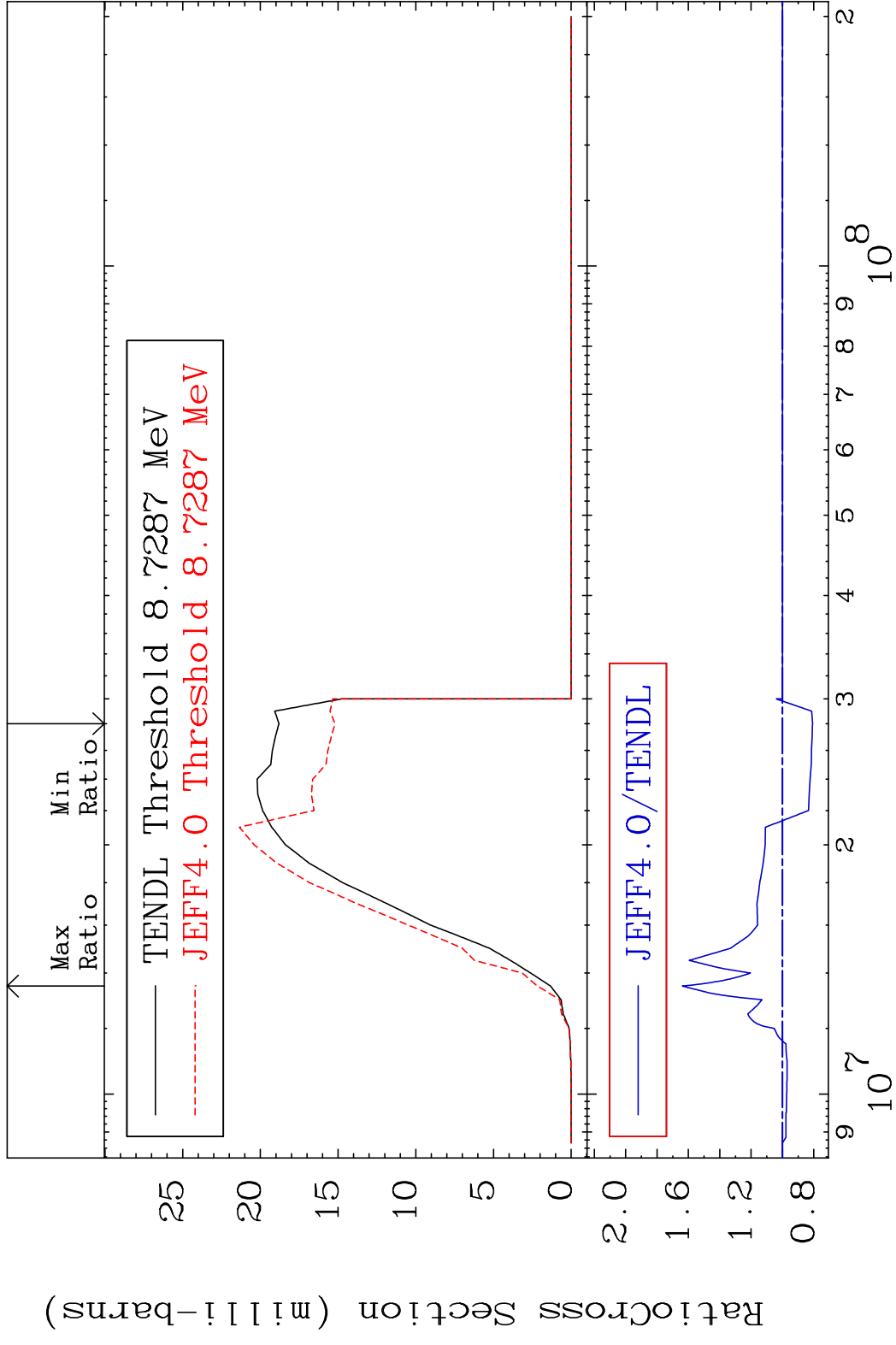
18-Ar-39

MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39  
 Cross Section -6.972 To 35.43 %









MAT 1834 (n,d):17-Cl-38m1 18-Ar-39  
 Radionuclide Production Cross Section 30.11 %

