

Program Complot  
(Version 2021-1)

by

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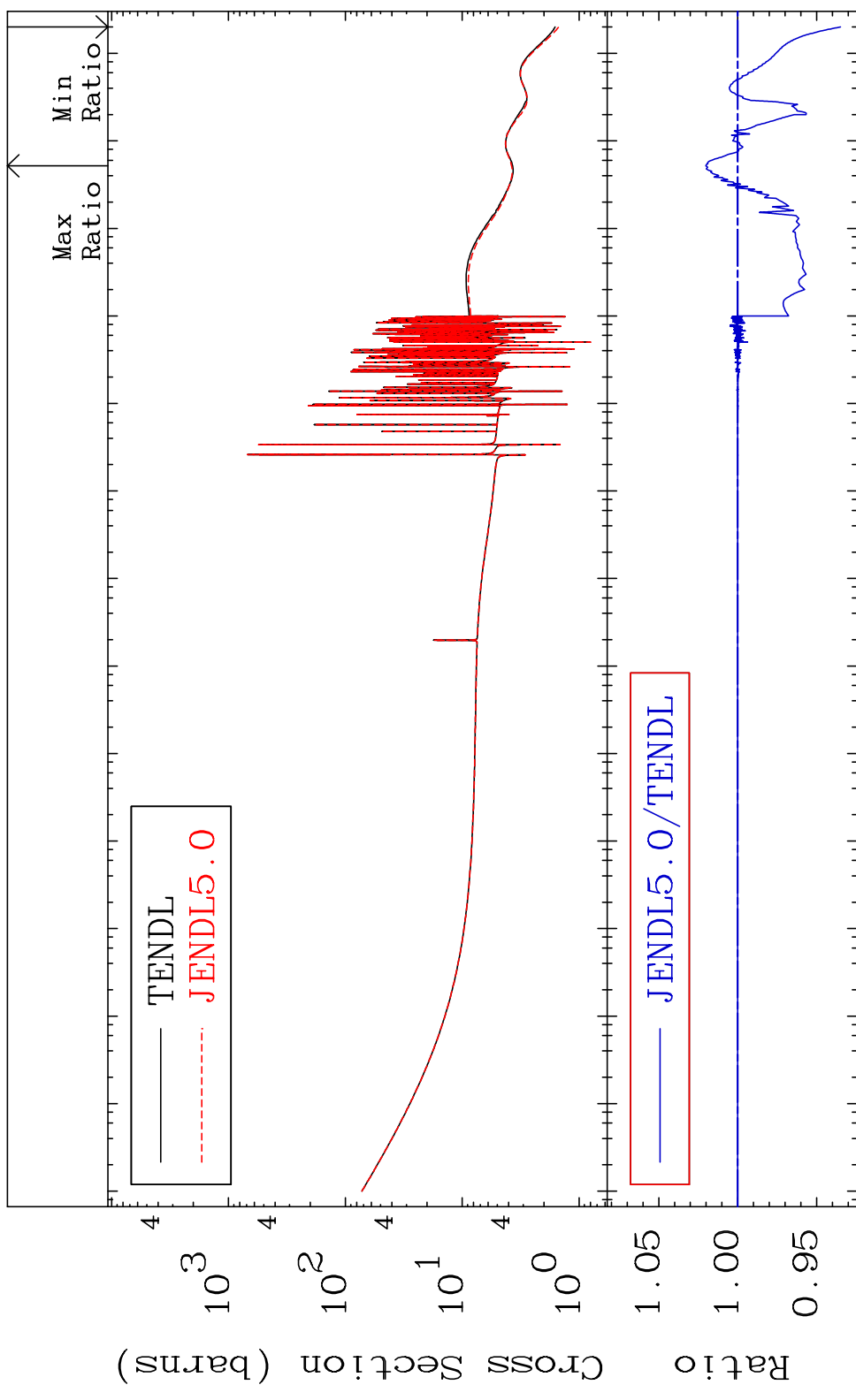
Press Mouse Button to Start

MAT 3925

Total

39-Y -89

Cross Section -6.506 To 2.023 %



1

Incident Energy (eV)

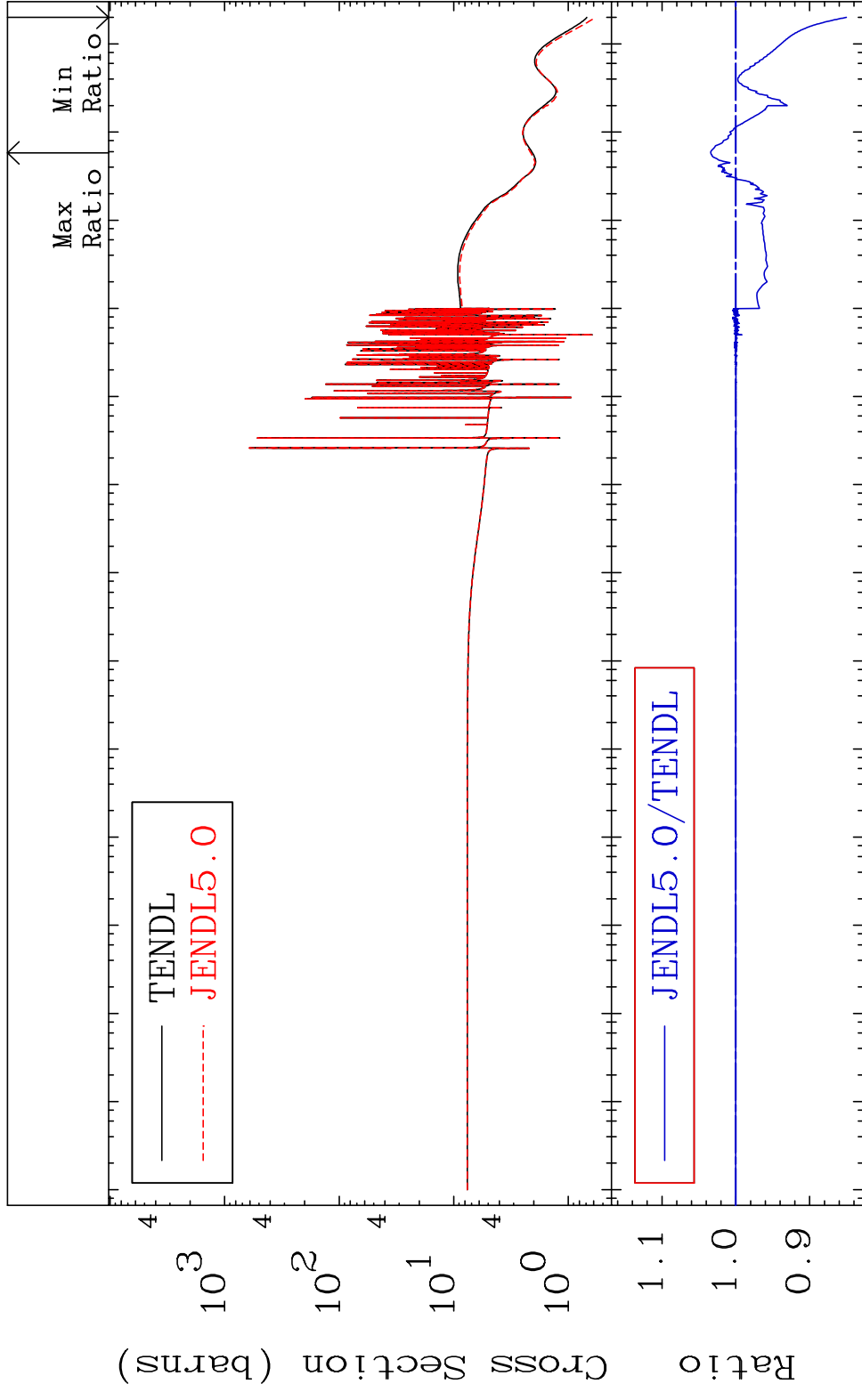
39-Y -89

MAT 3925

Elastic

39-Y -89

Cross Section -14.96 To 3.398 %

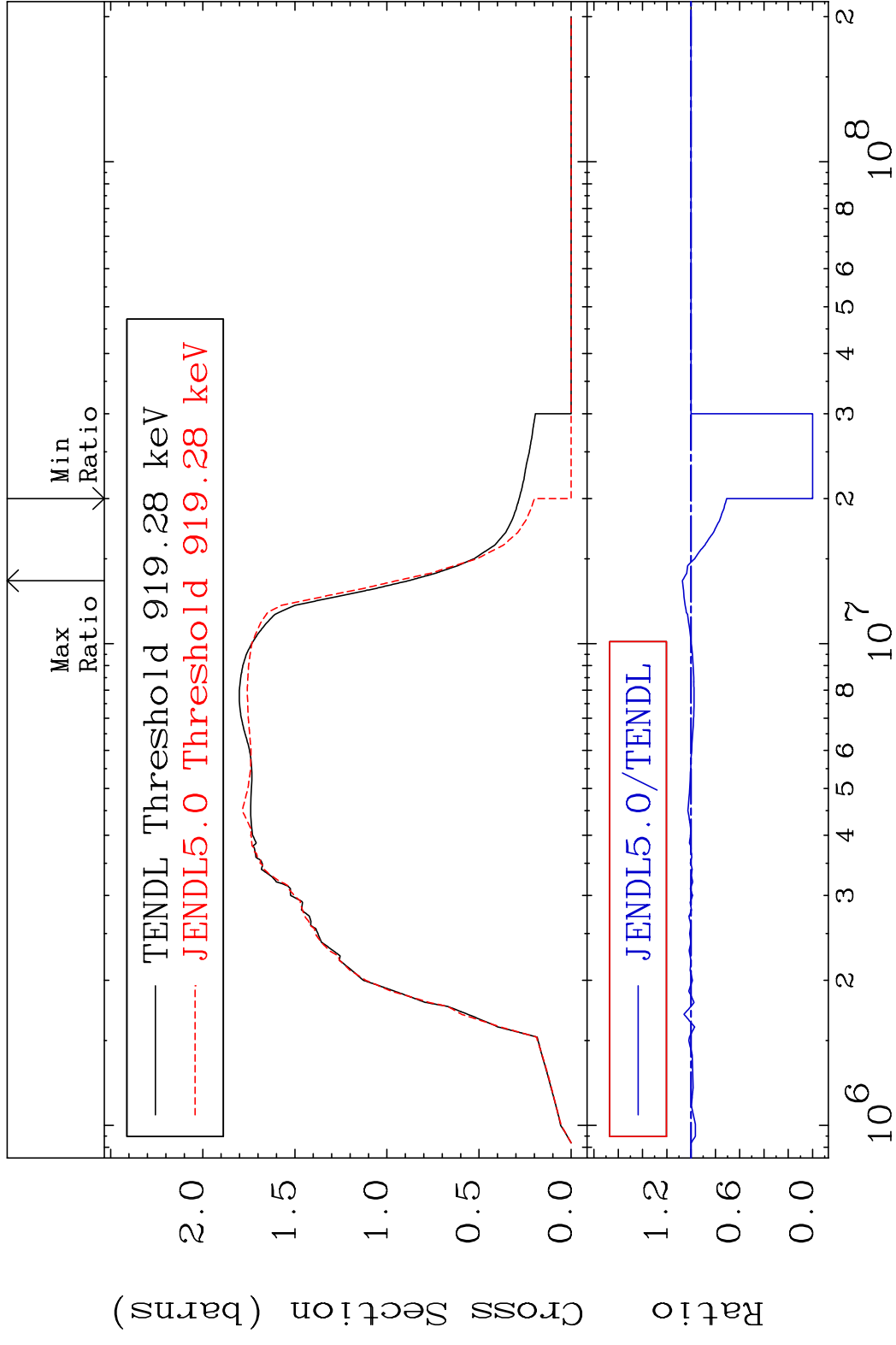


2

Incident Energy (eV)

39-Y -89

MAT 3925 Inelastic Cross Section -100.0 To 7.183 % 39-Y -89



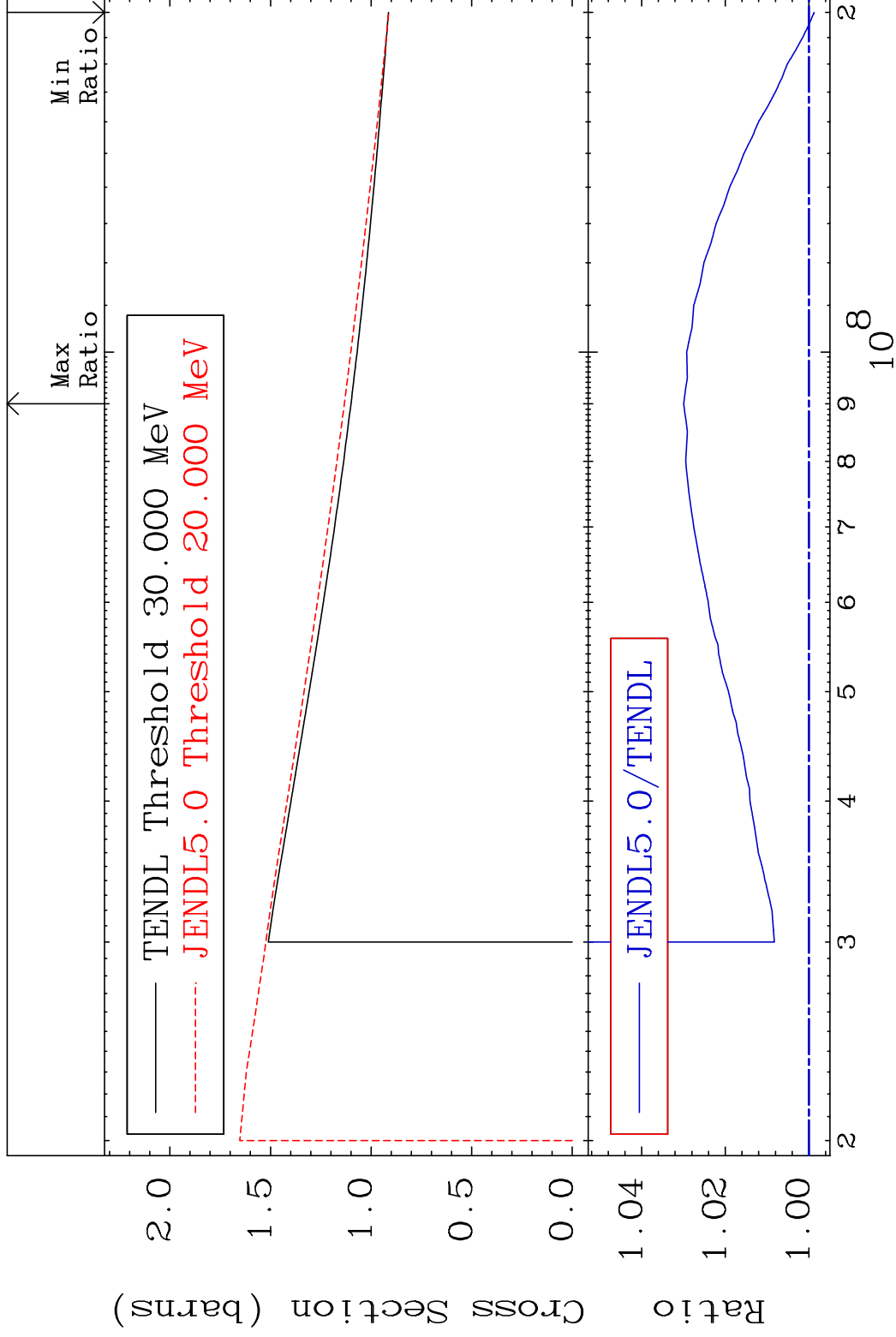
3 39-Y -89

MAT 3925

(n, remainder)

39-Y -89

Cross Section -0.125 To 2.996 %



4

Incident Energy (eV)

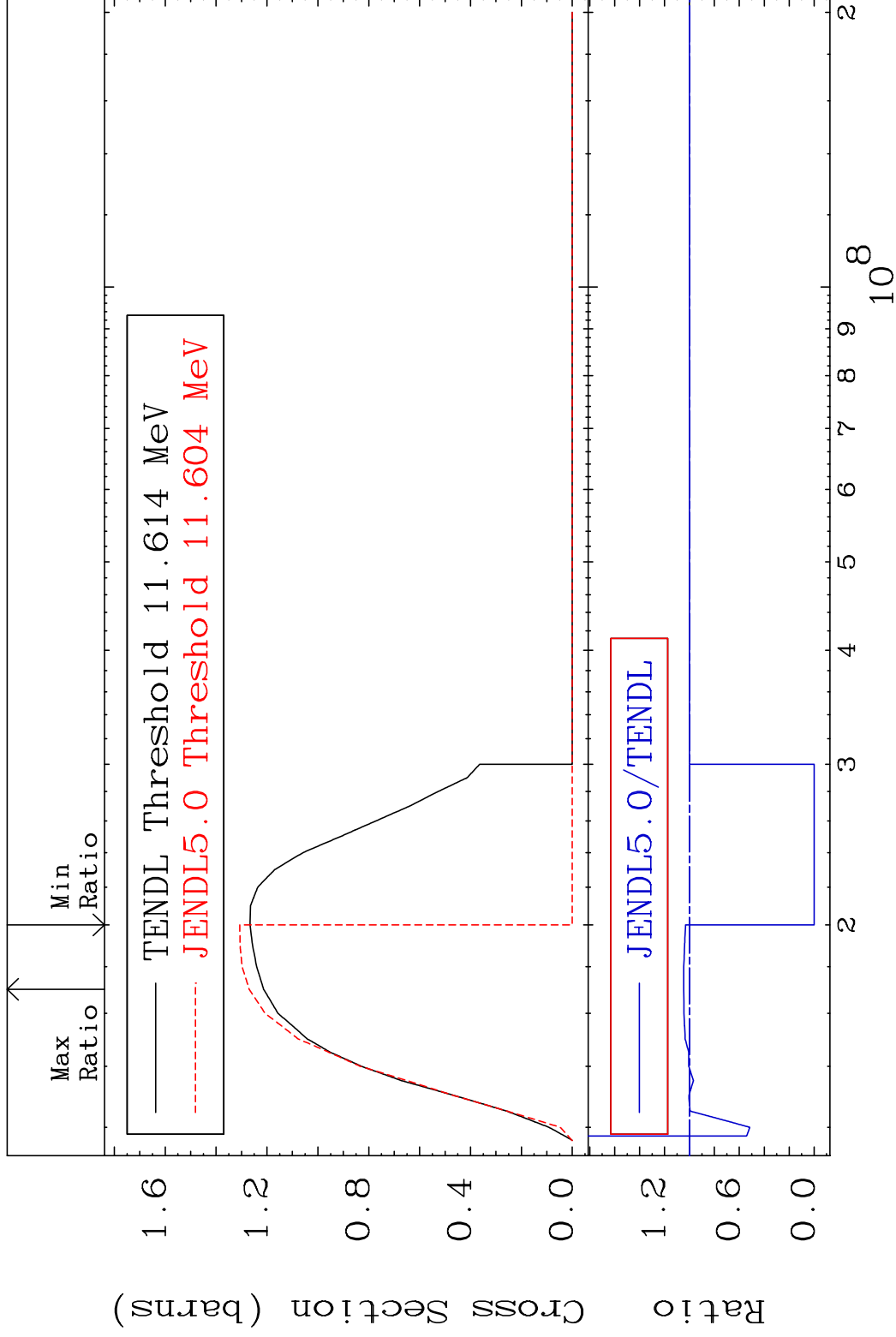
39-Y -89

MAT 3925

(n,2n)

39-Y -89

Cross Section -100.0 To 4.668 %

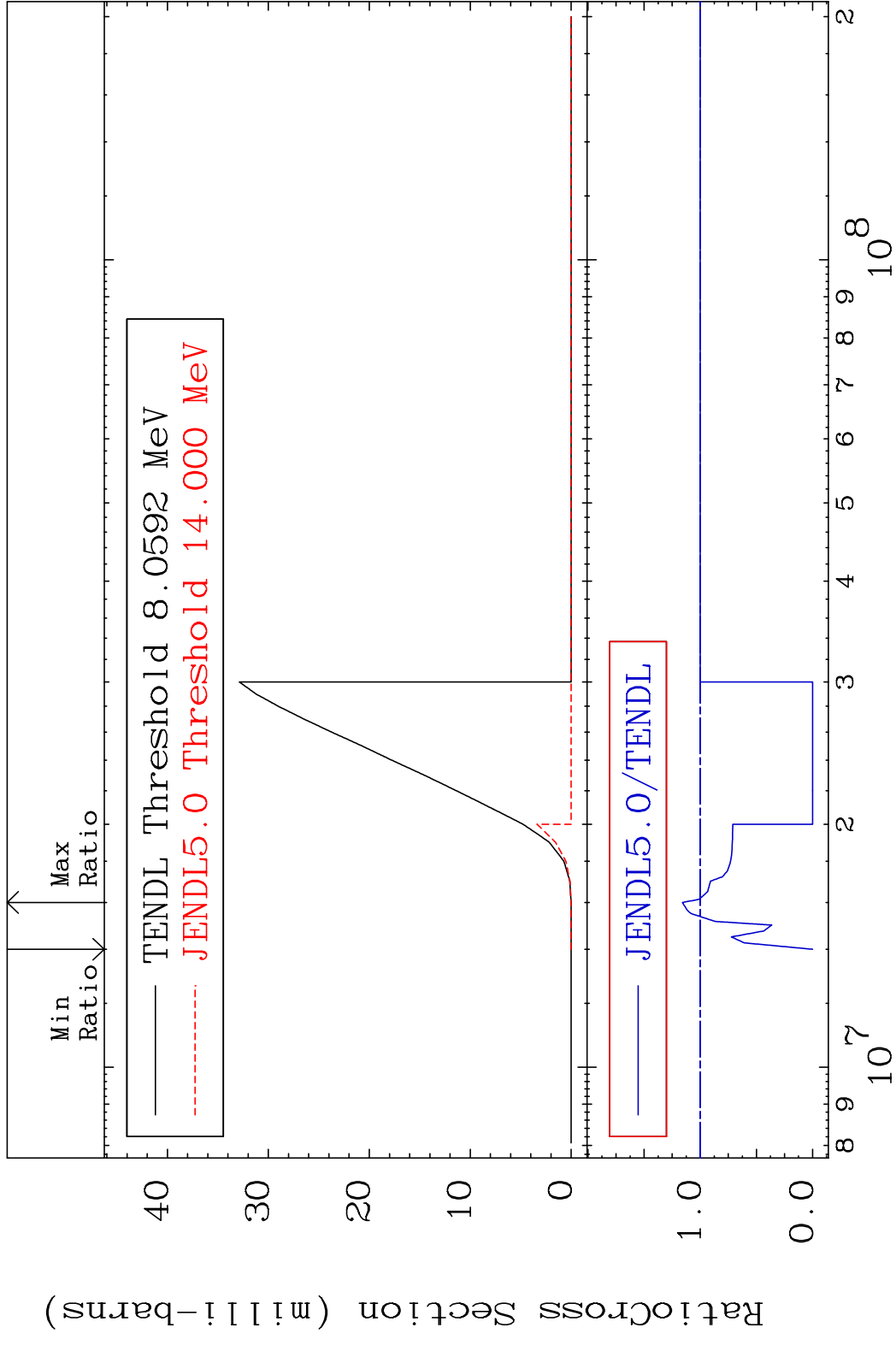


5

Incident Energy (eV)

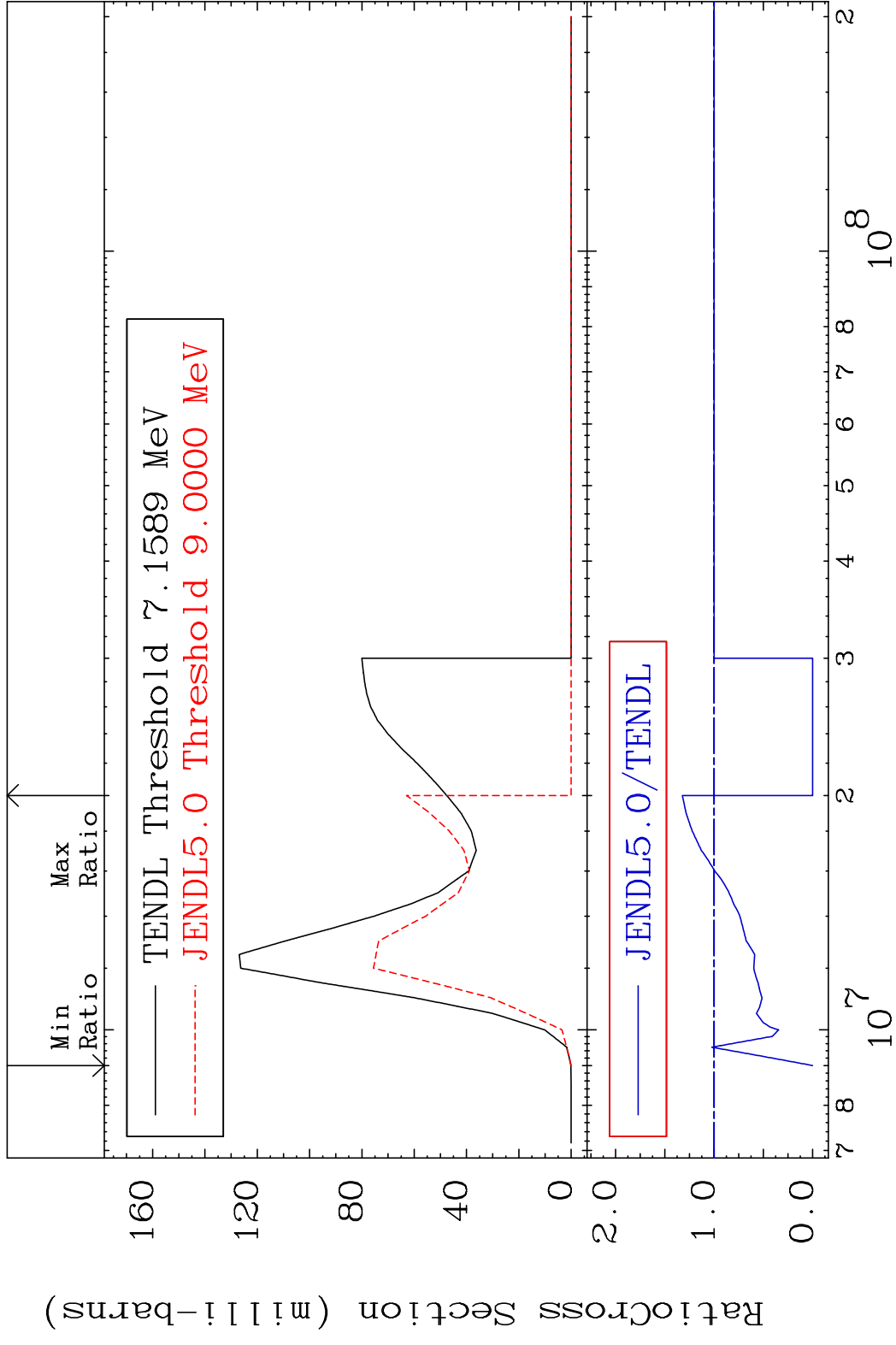
39-Y -89

MAT 3925 (n, n')  $\alpha$  39-Y -89  
 Cross Section -100.0 To 15.94 %



6 39-Y -89

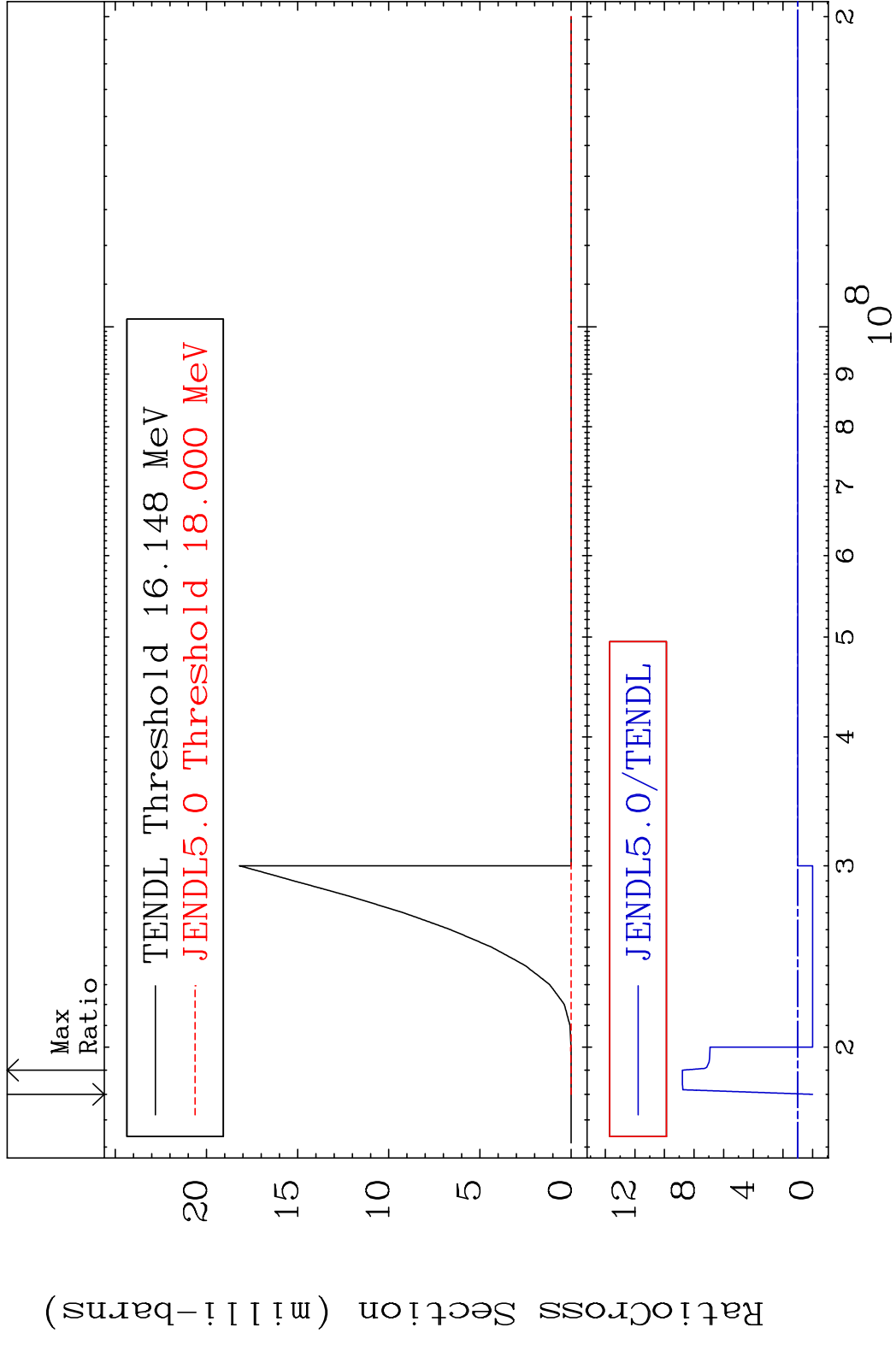
MAT 3925 (n, n') p 39-Y -89  
 Cross Section -100.0 To 32.24 %



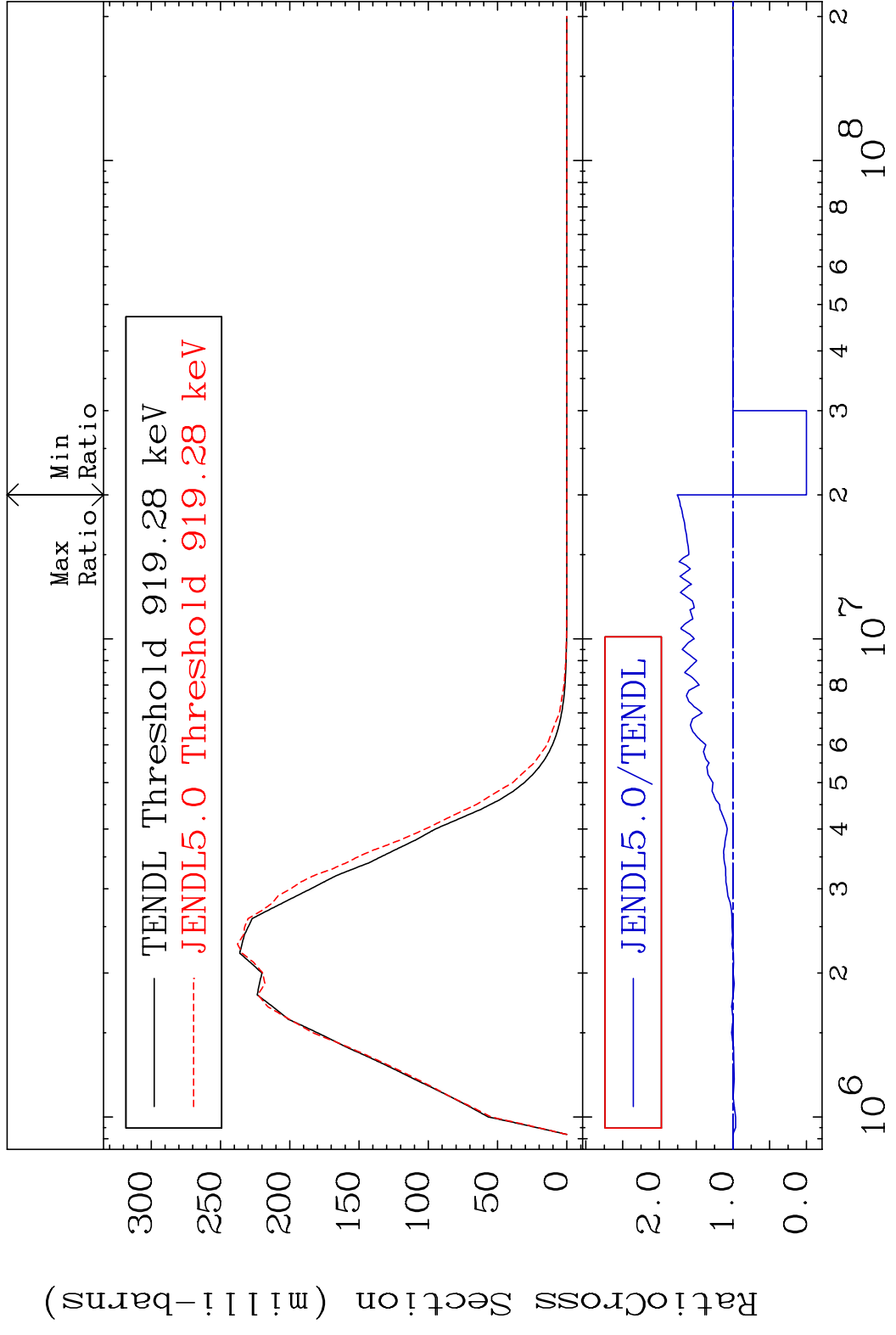
7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 39-Y -89



MAT 3925 (n, n') d 39-Y -89  
 Cross Section -100.0 To 779.3 %

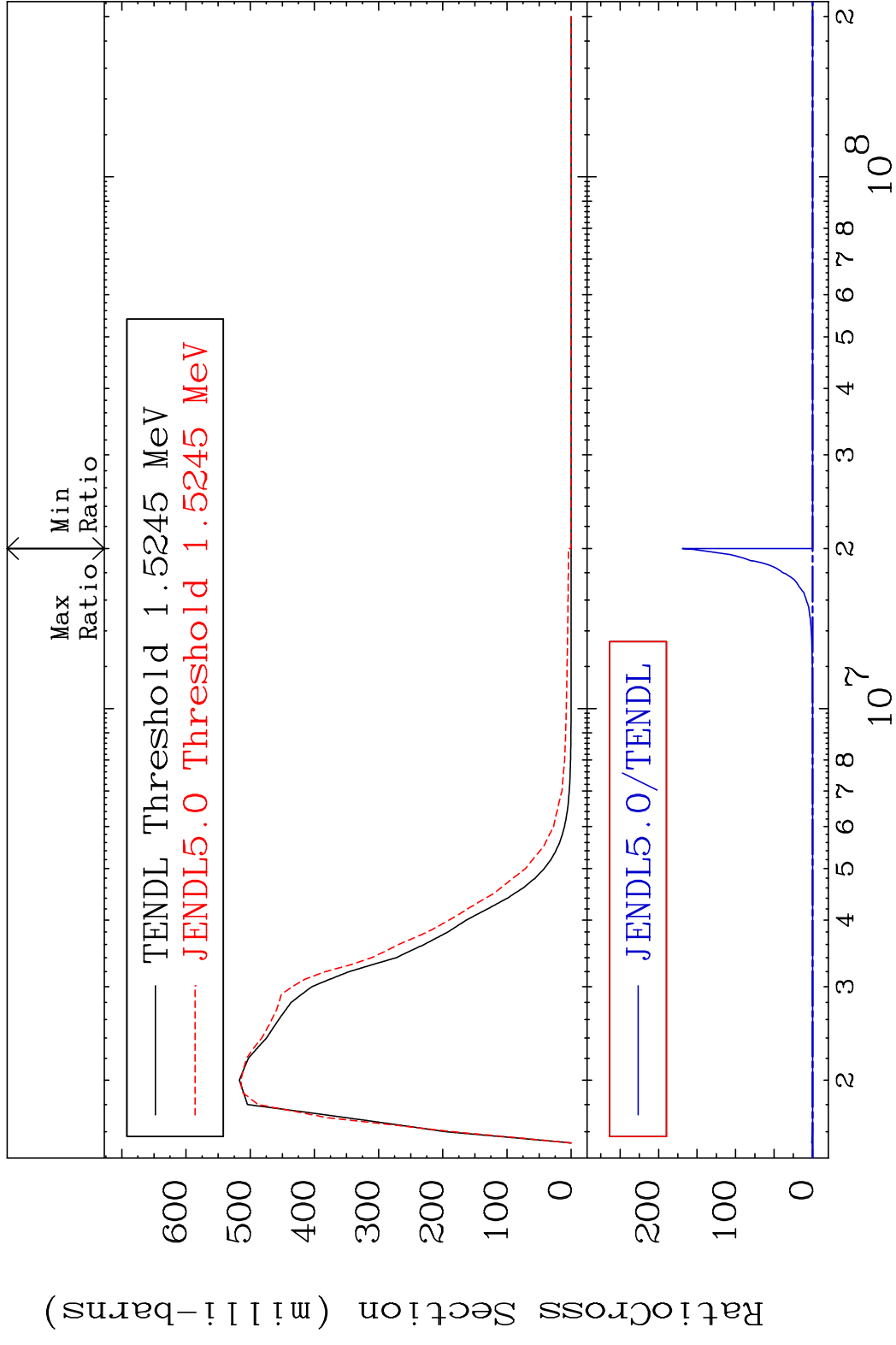


MAT 3925 MT= 51 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 75.77 %



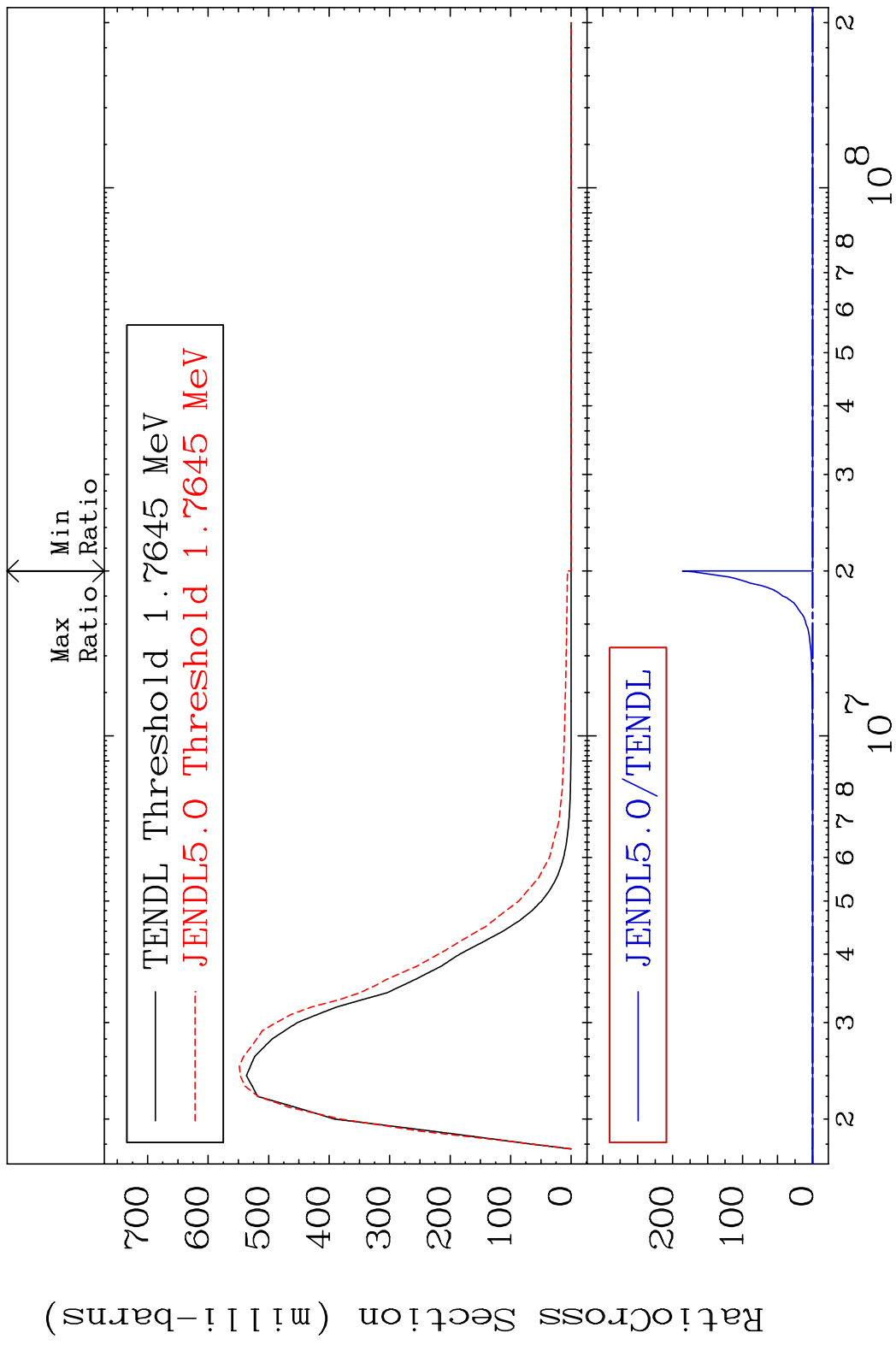
9 Incident Energy (eV) 39-Y -89

MAT 3925 MT= 52 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %

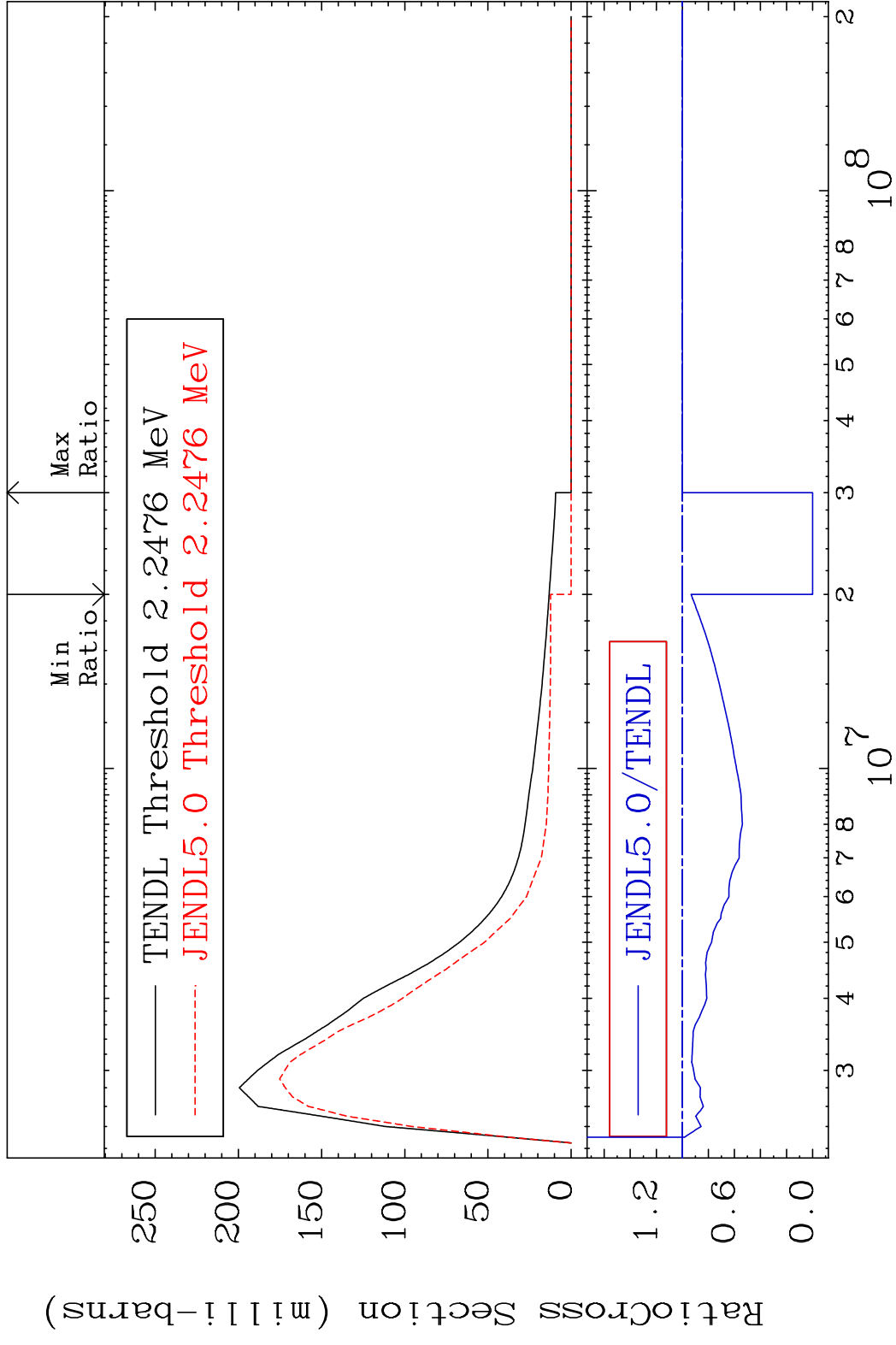


10 Incident Energy (eV) 39-Y -89

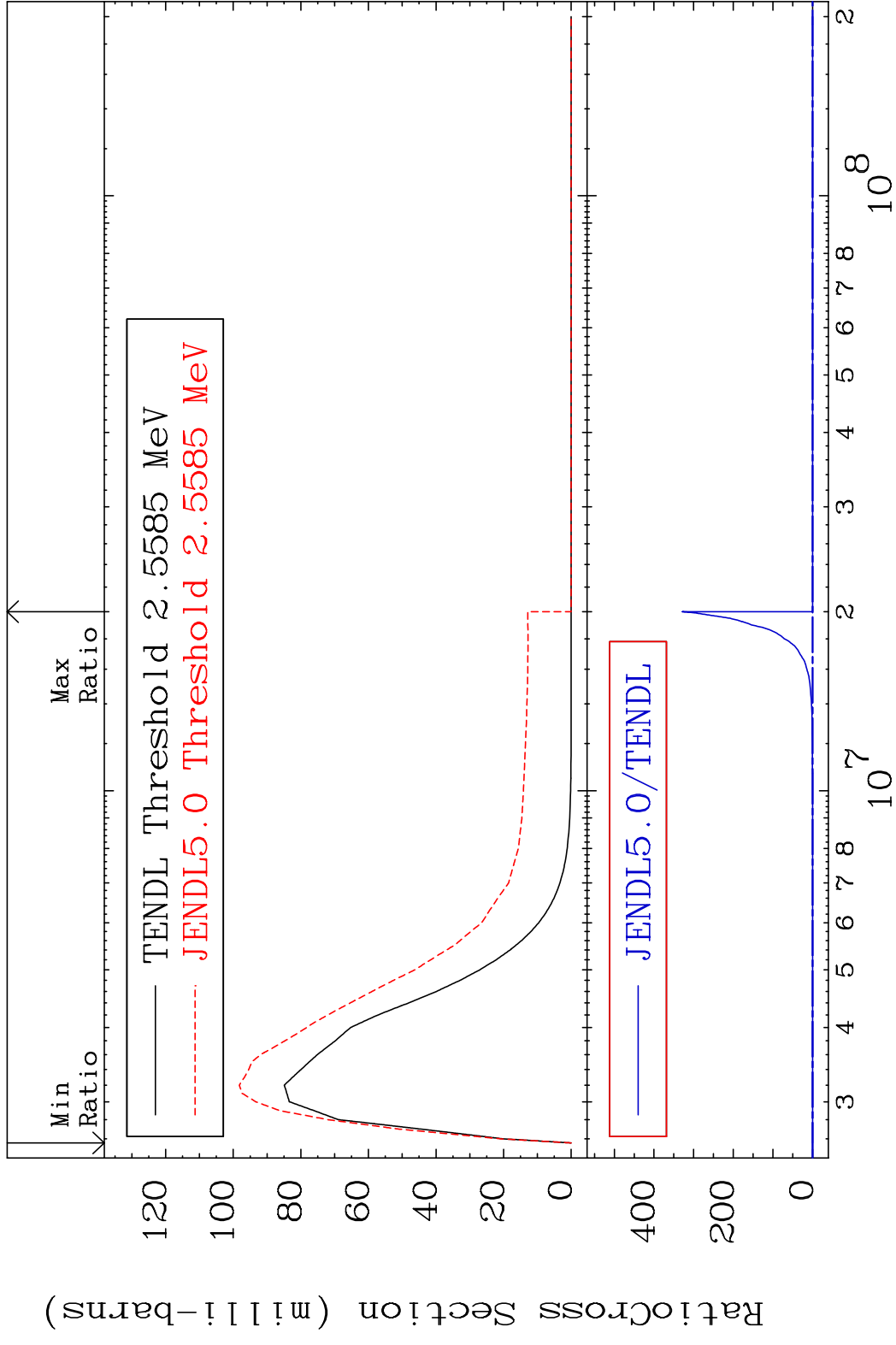
MAT 3925 MT= 53 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



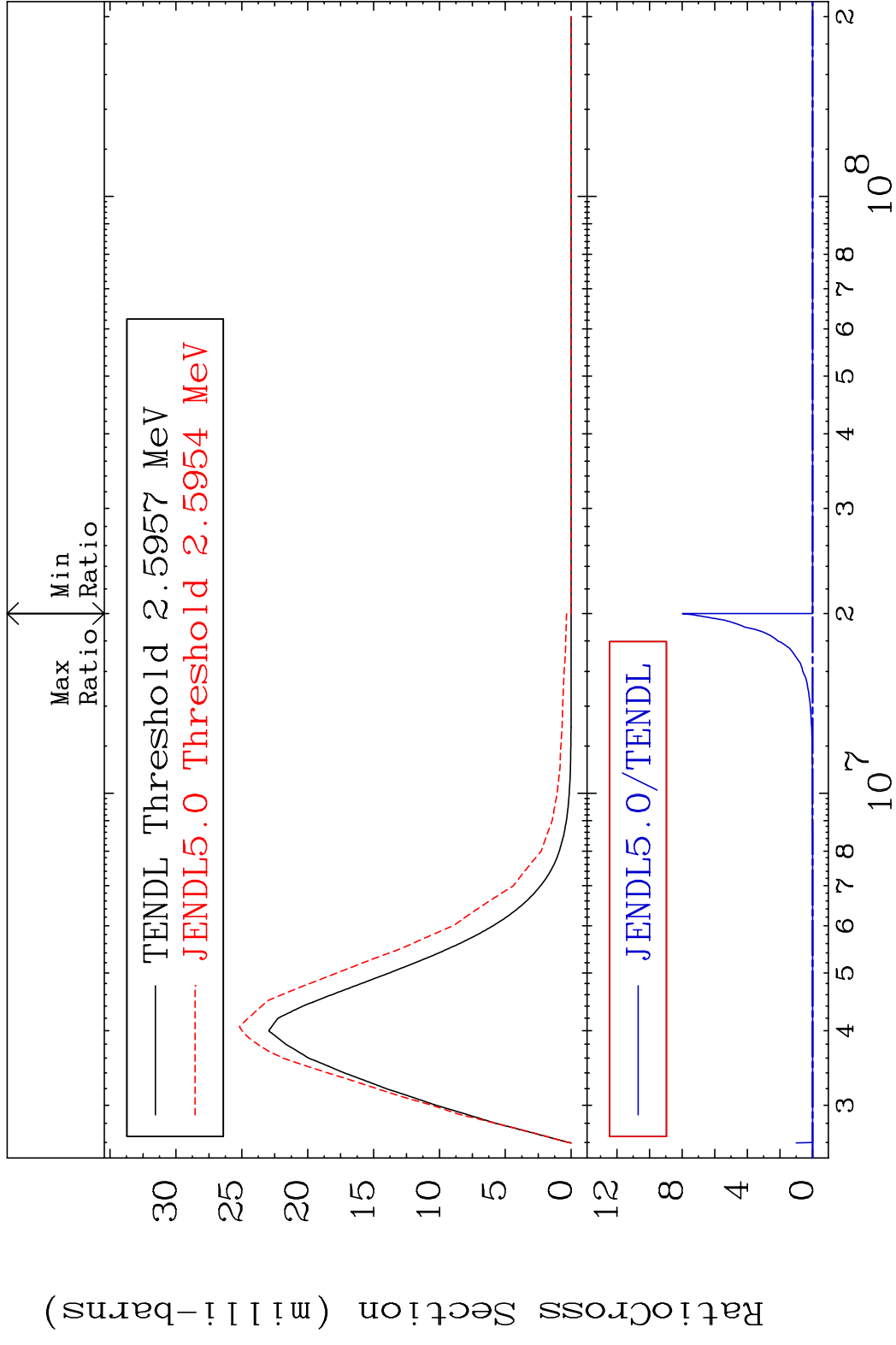
MAT 3925 MT= 54 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 0.000 %



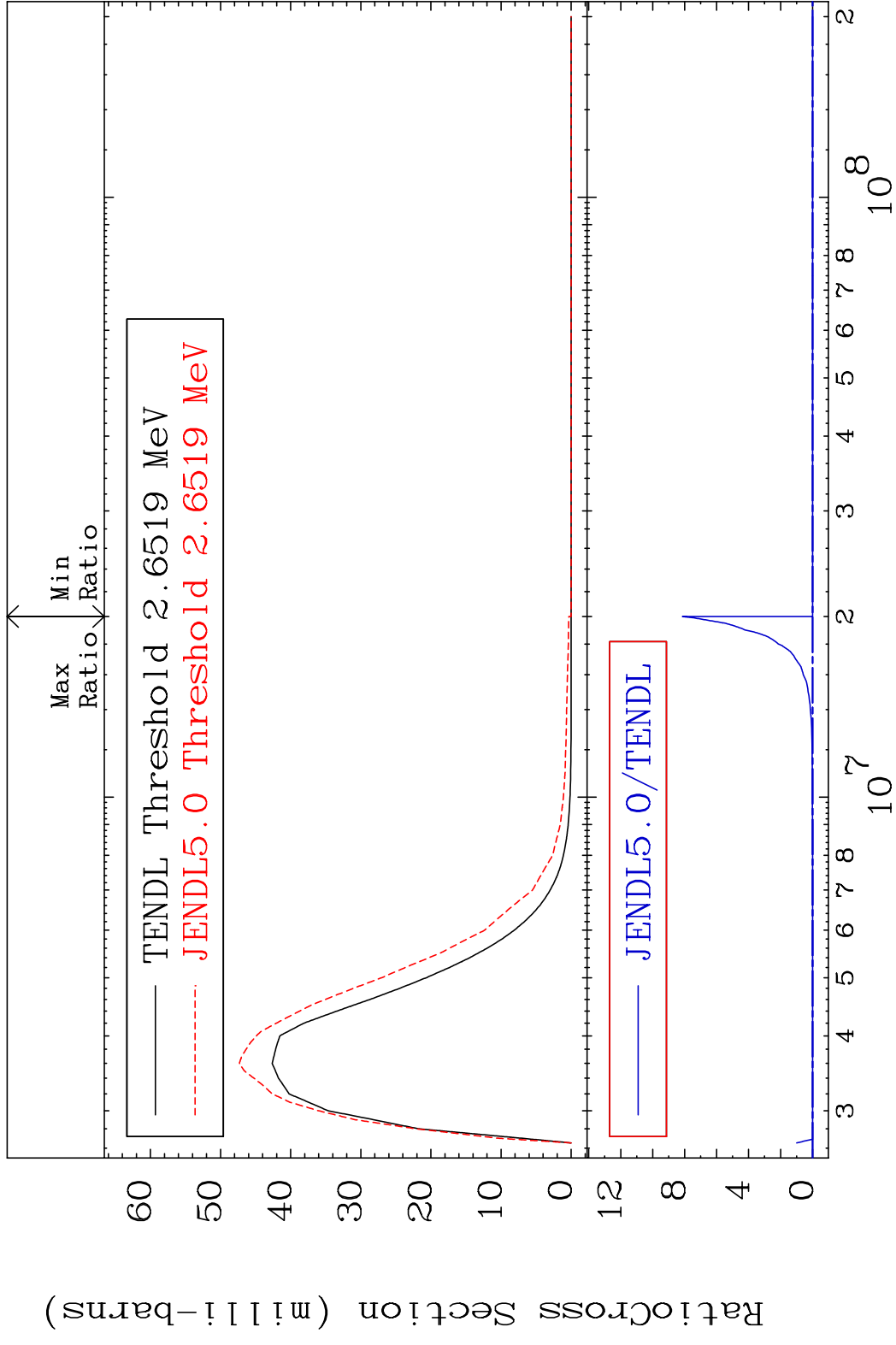
MAT 3925 MT= 55 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



MAT 3925 MT= 56 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



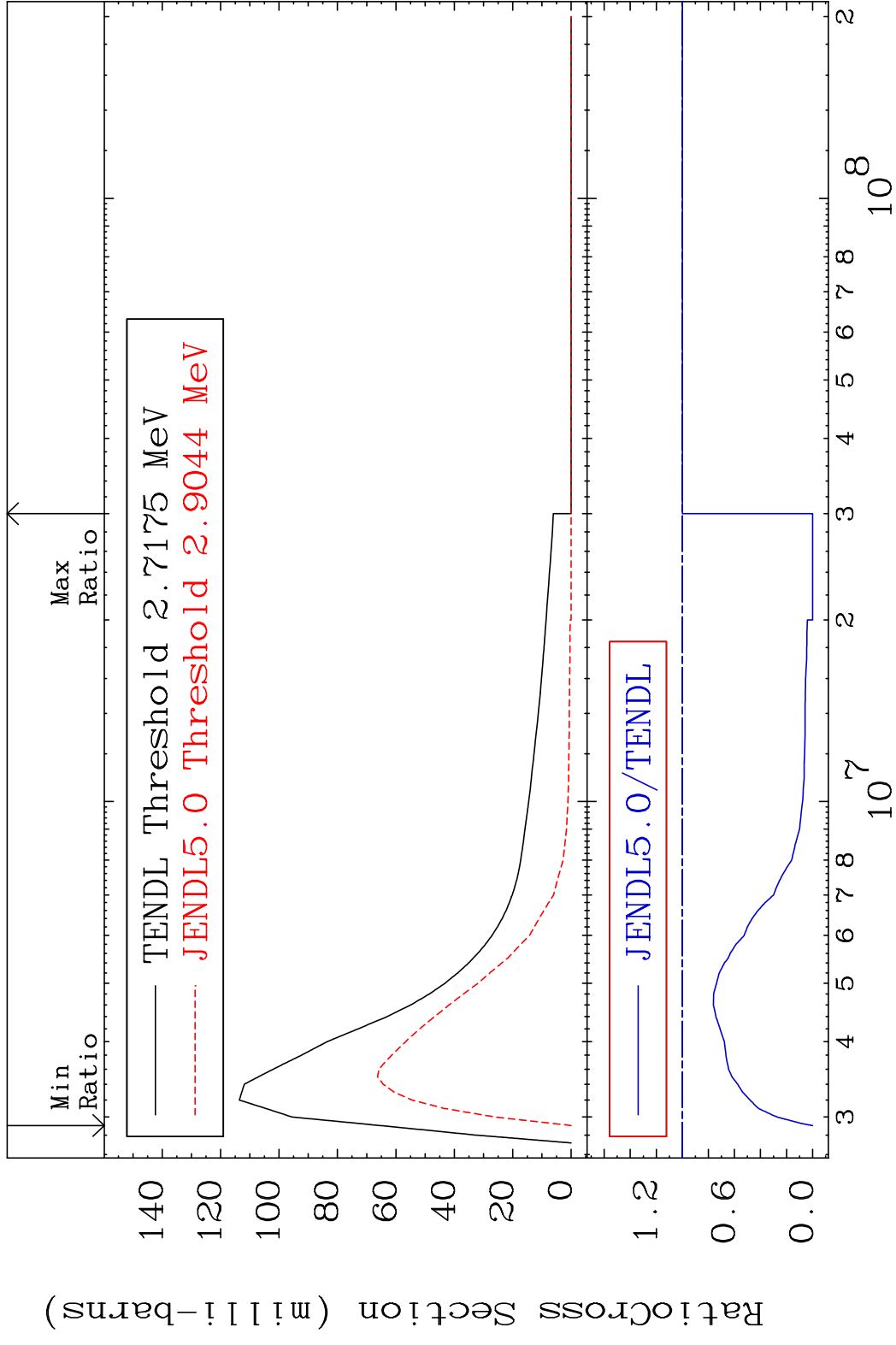
MAT 3925 MT= 57 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



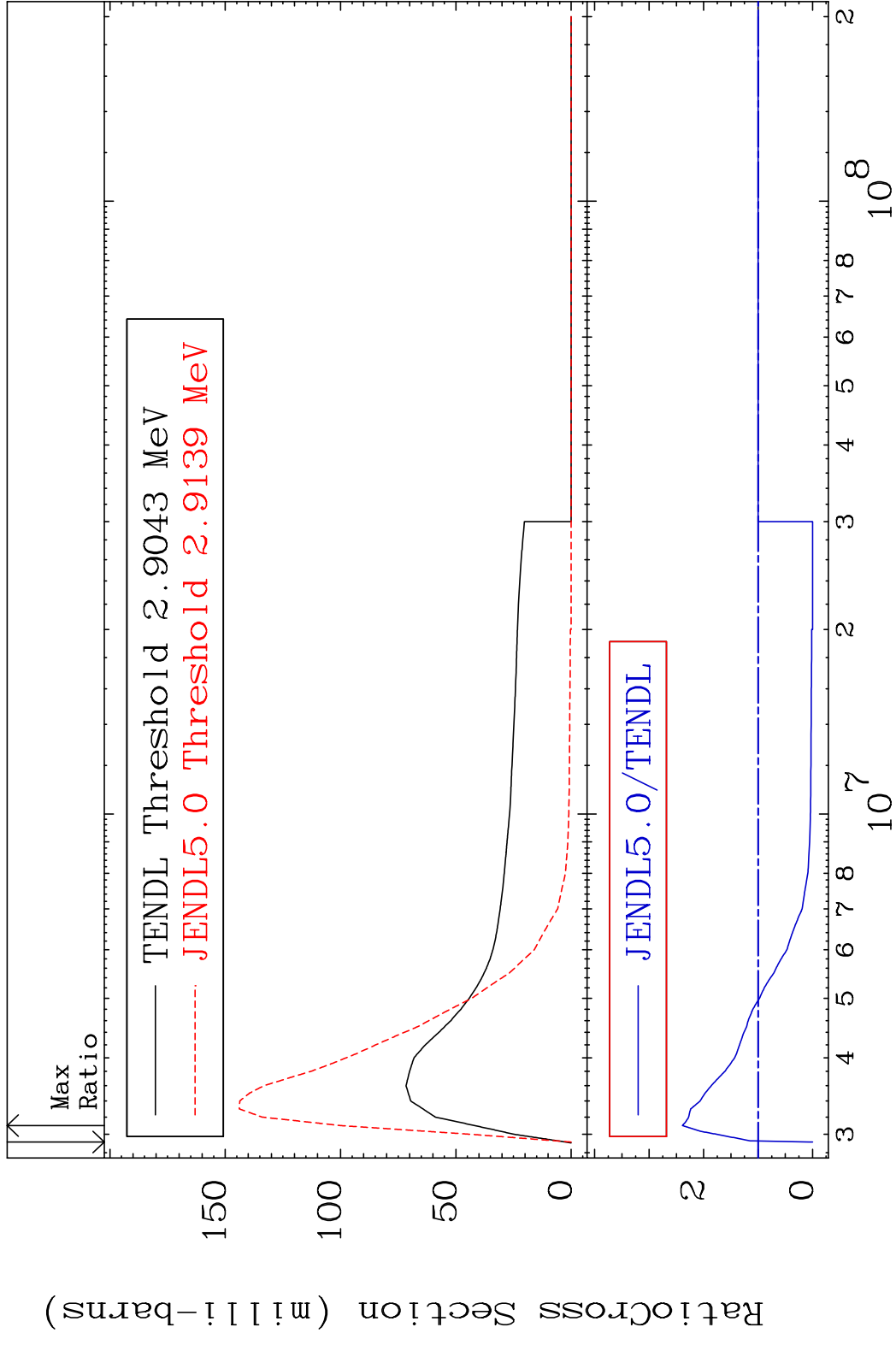
15 Incident Energy (eV) 39-Y -89



MAT 3925 MT= 58 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 0.000 %

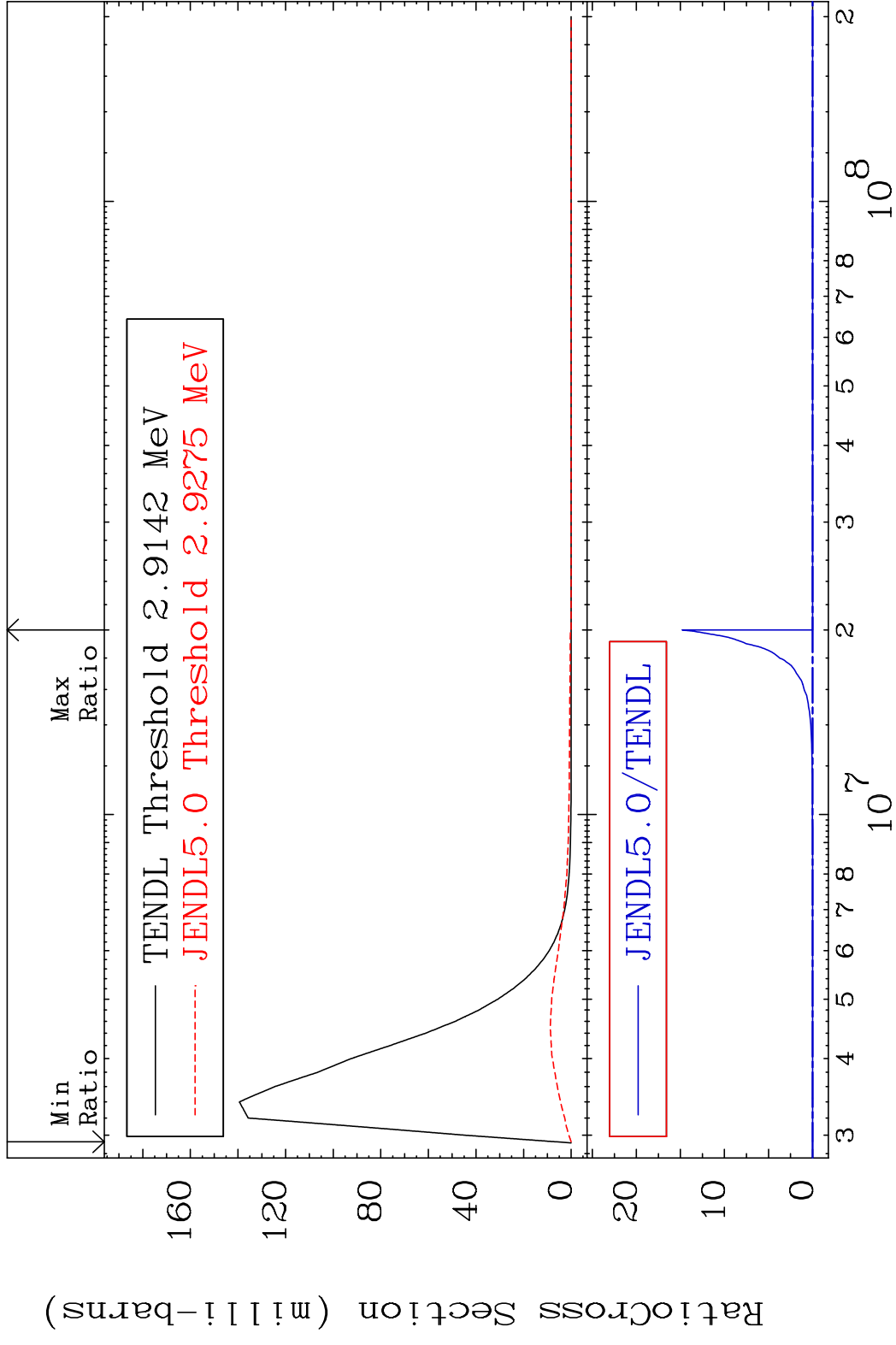


MAT 3925 MT= 59 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 139.0 %

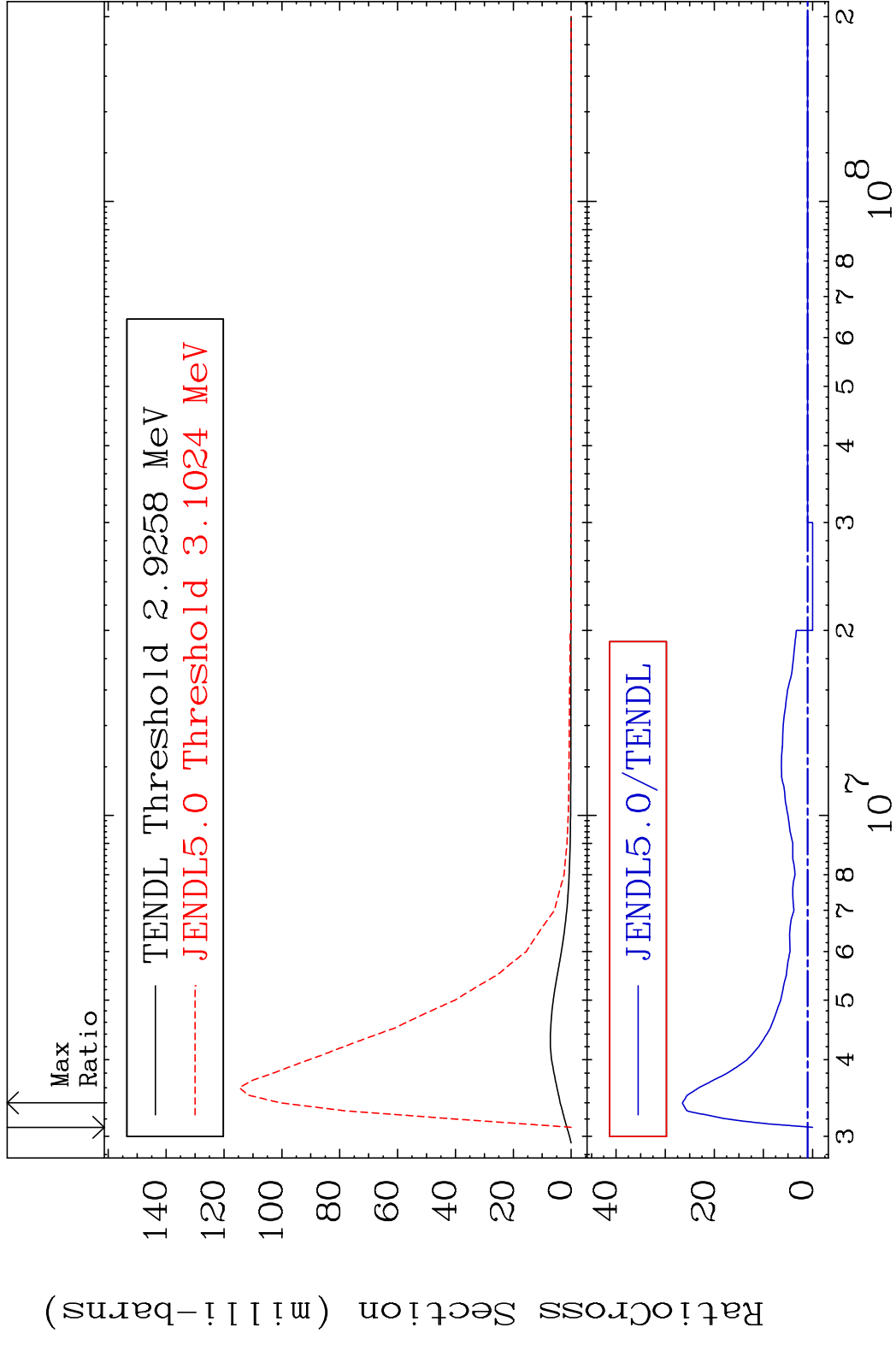


17 Incident Energy (eV) 39-Y -89

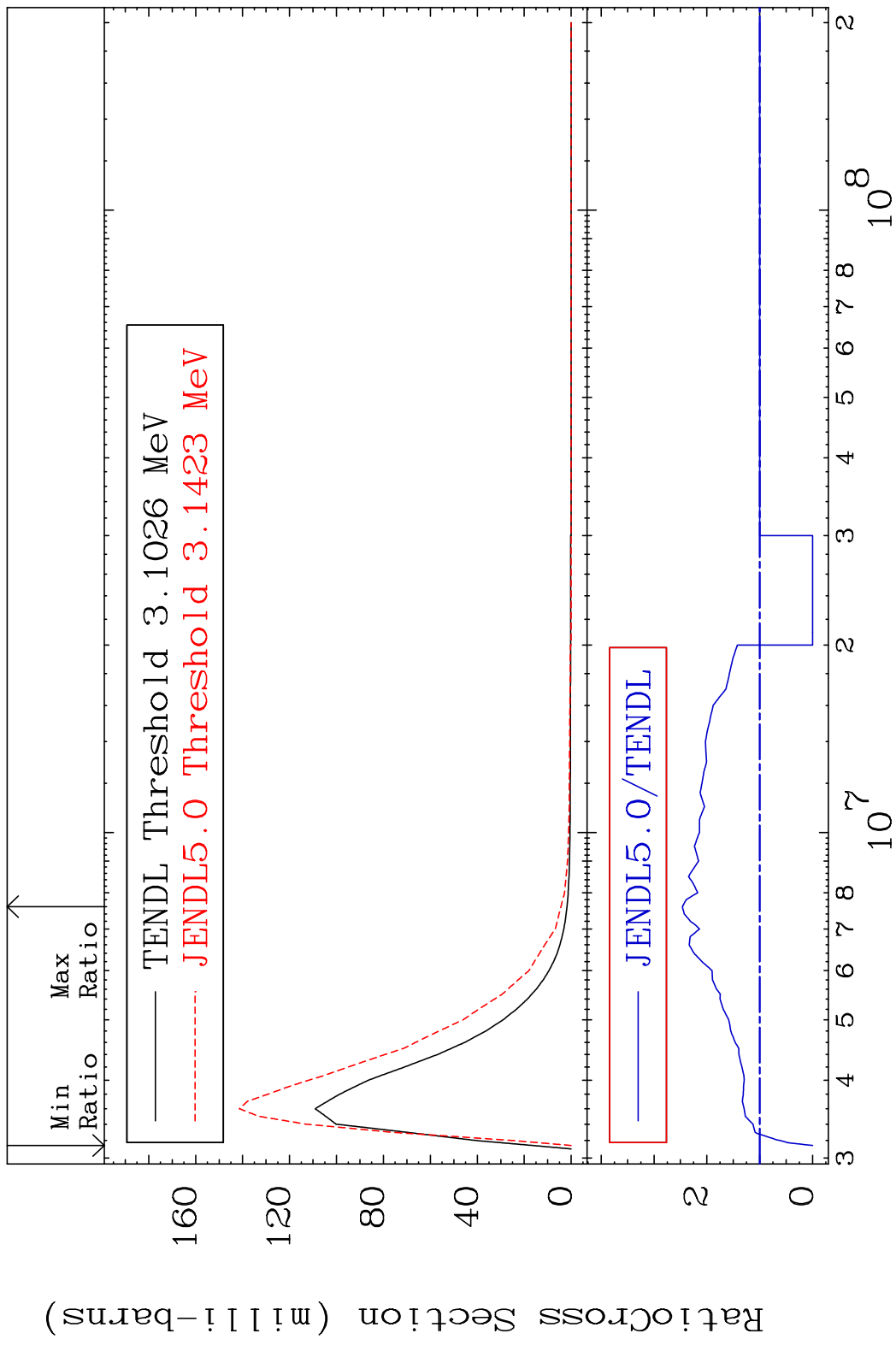
MAT 3925 MT= 60 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



MAT 3925 MT= 61 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 2551. %

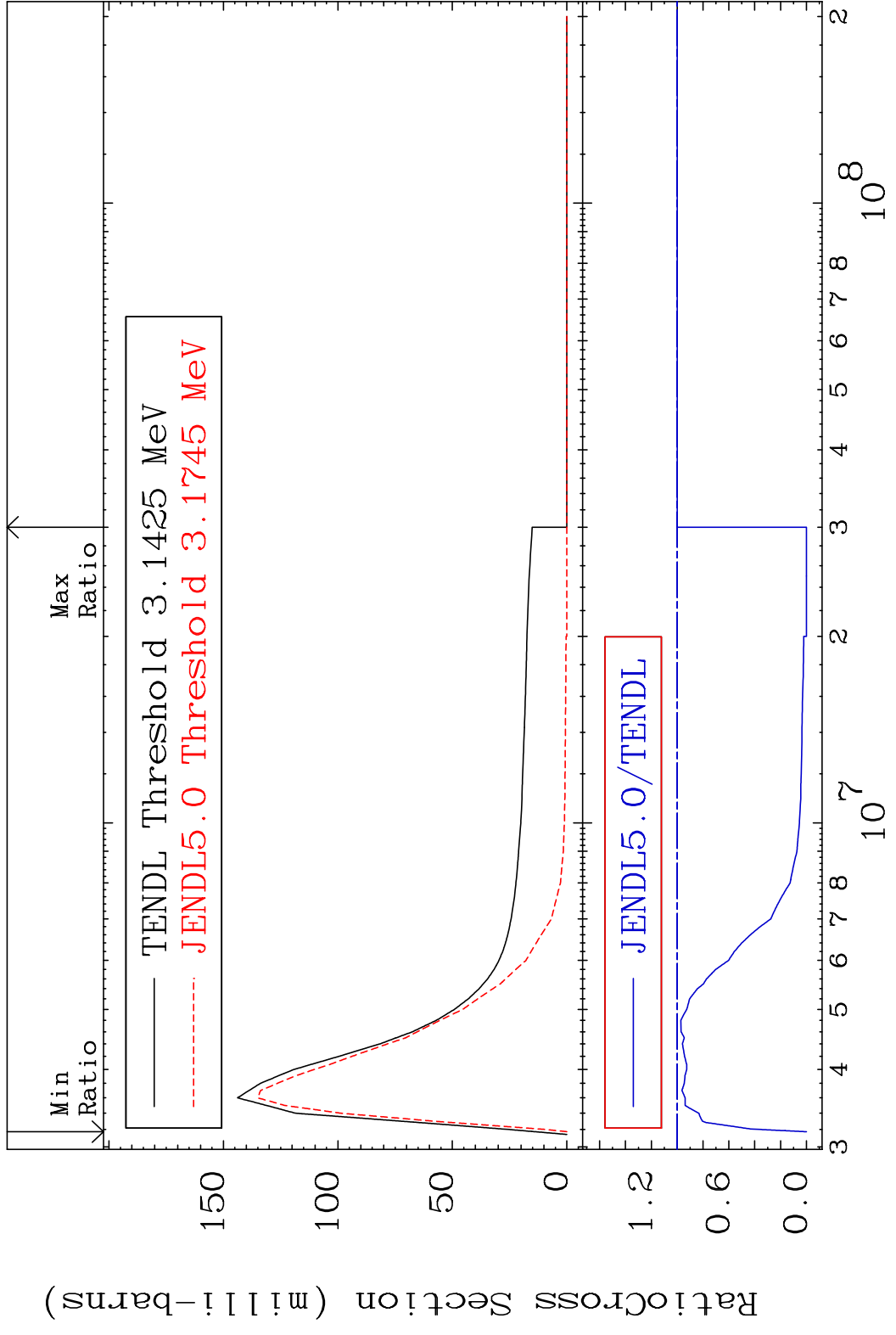


MAT 3925 MT= 62 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 146.4 %

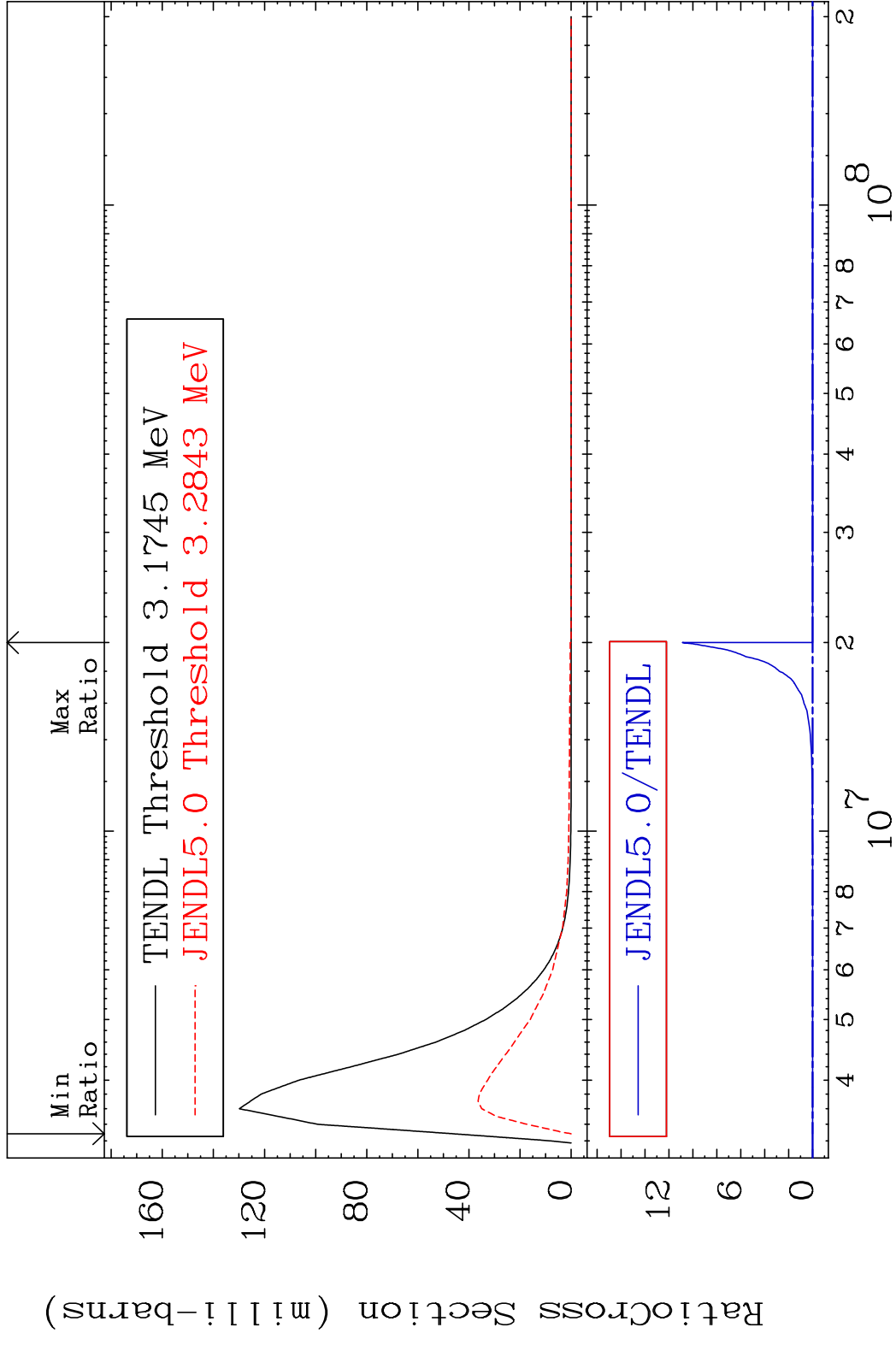


20 39-Y -89

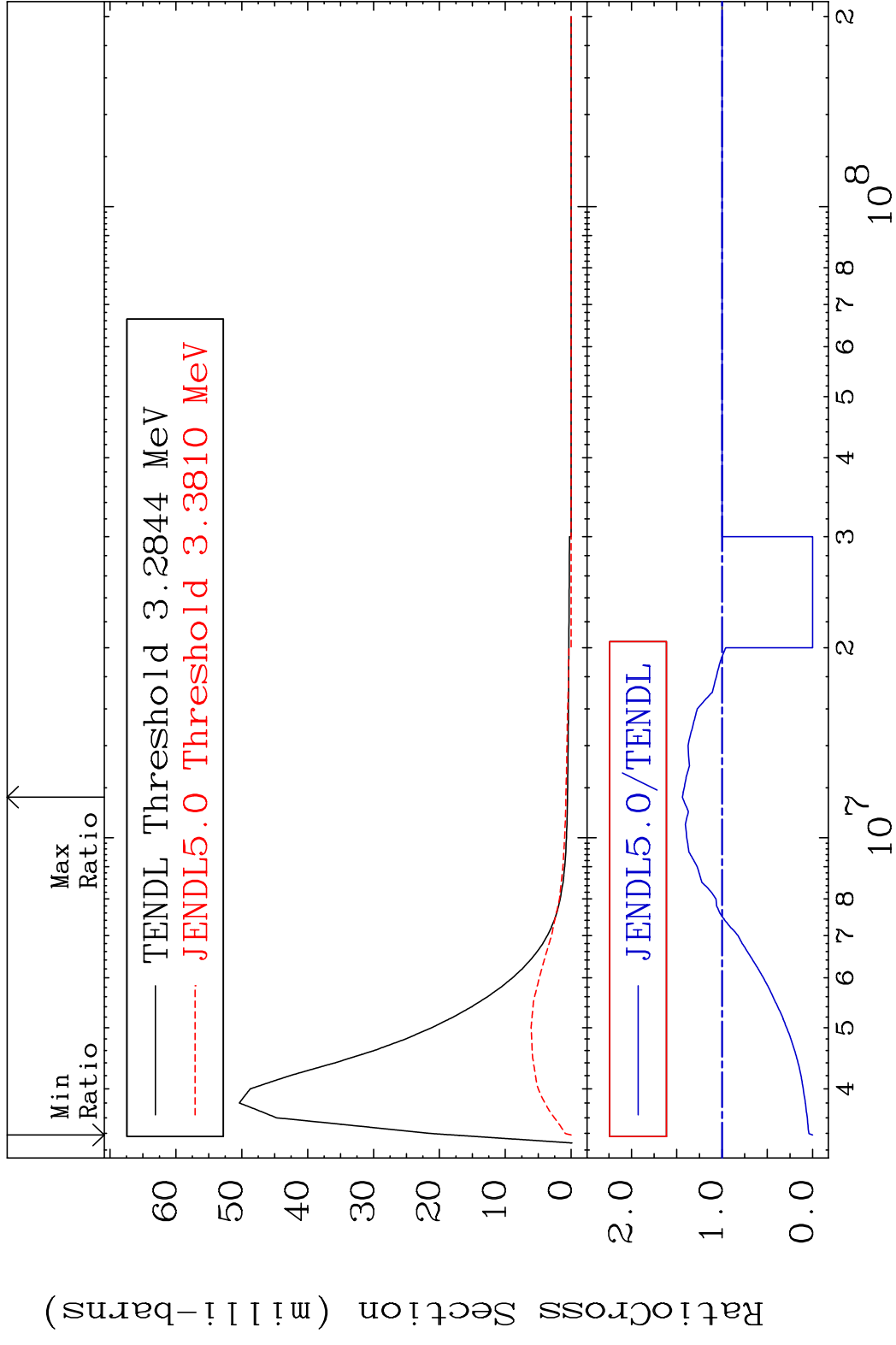
MAT 3925 MT= 63 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 0.000 %



MAT 3925 MT= 64 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %

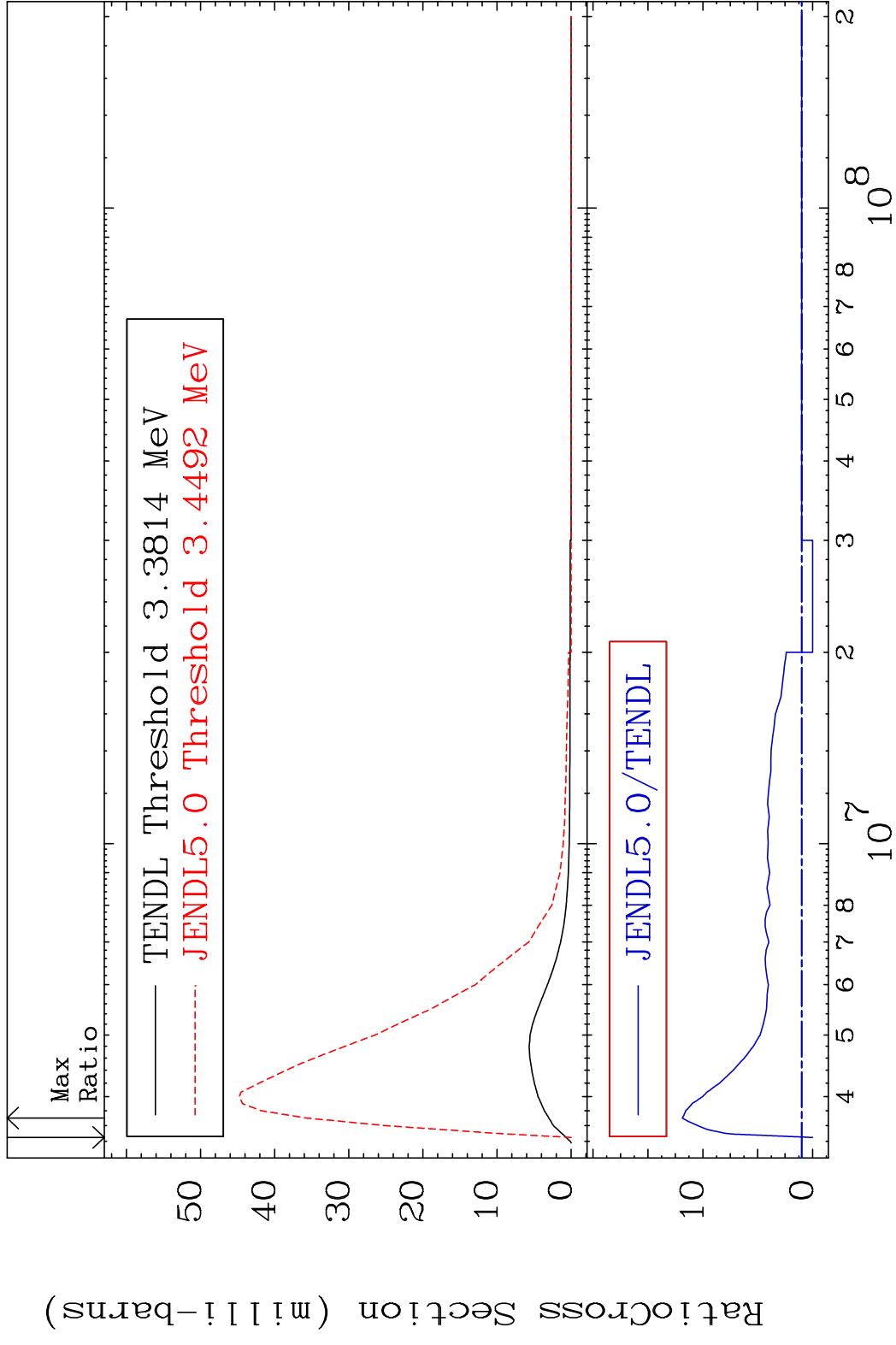


MAT 3925 MT= 65 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 43.84 %

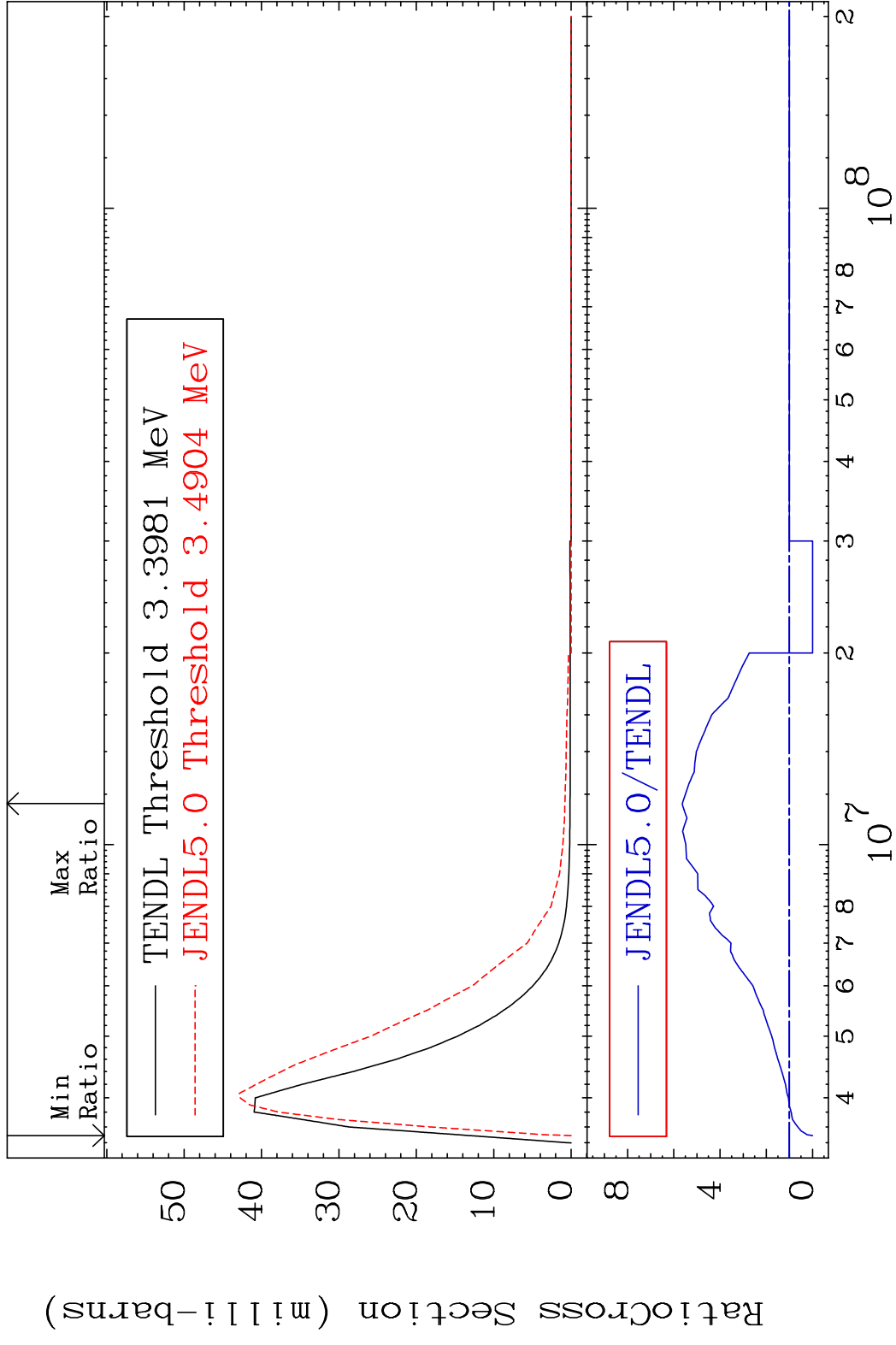




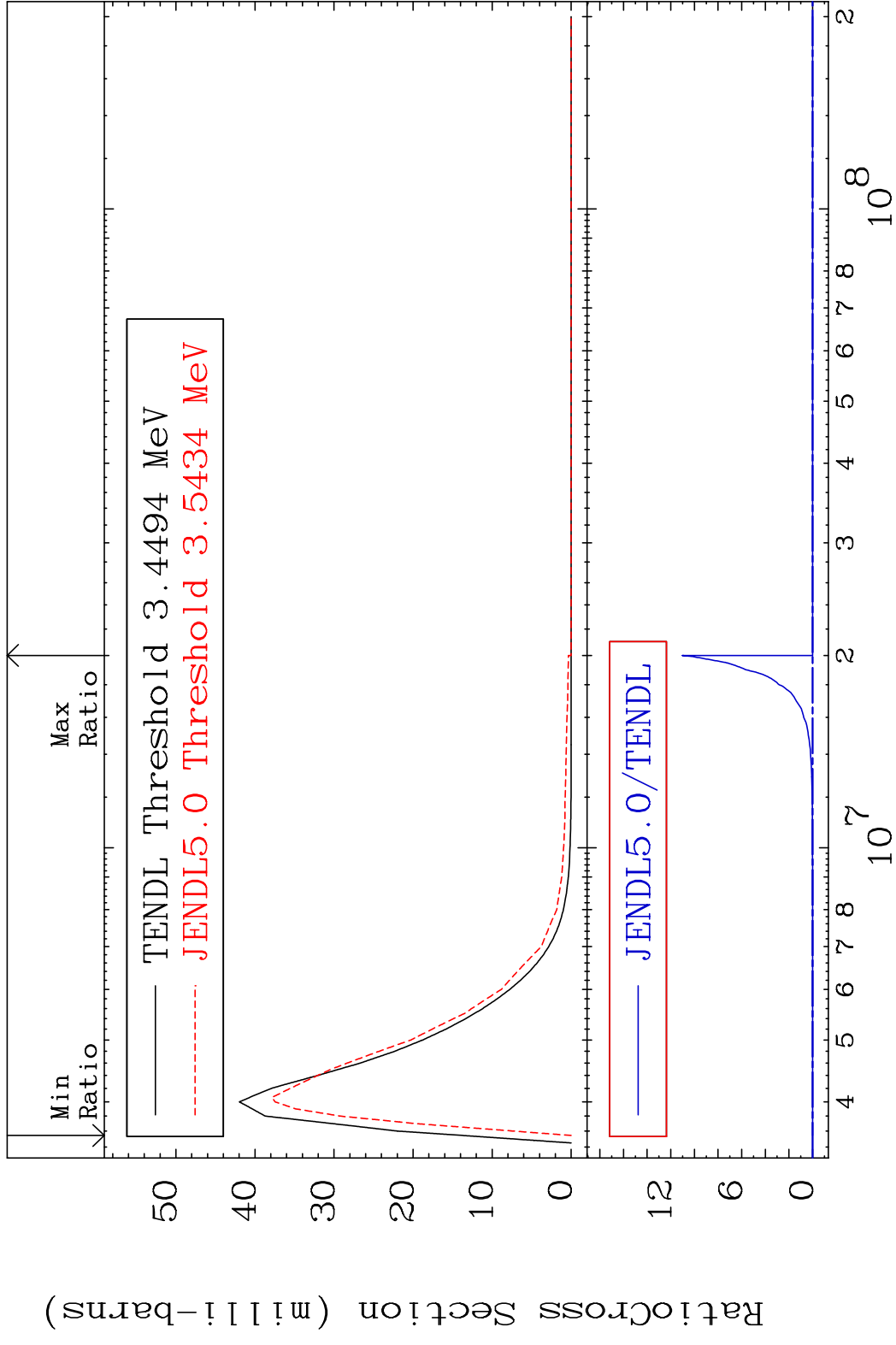
MAT 3925 MT= 66 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 1086. %



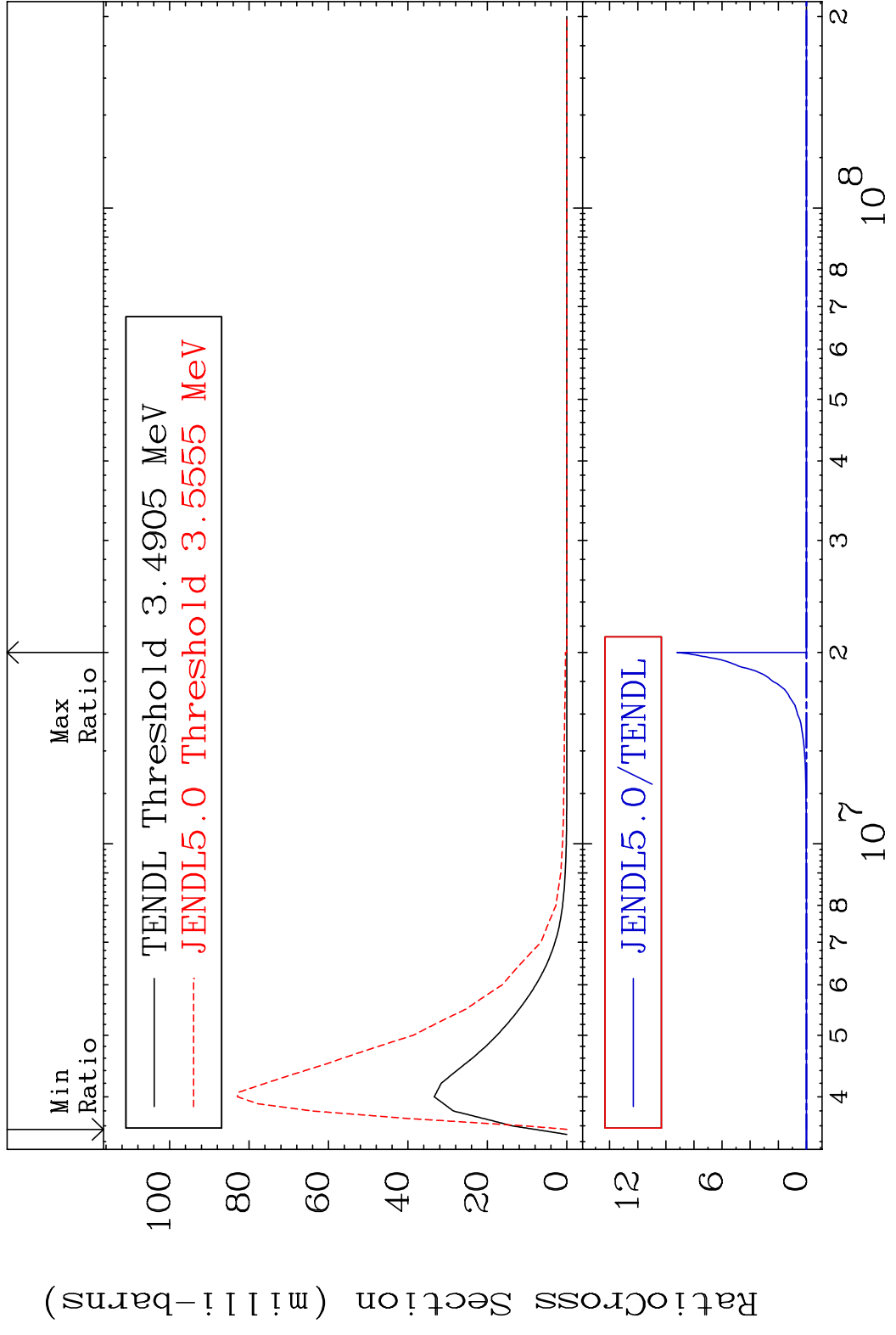
MAT 3925 MT= 67 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 463.0 %



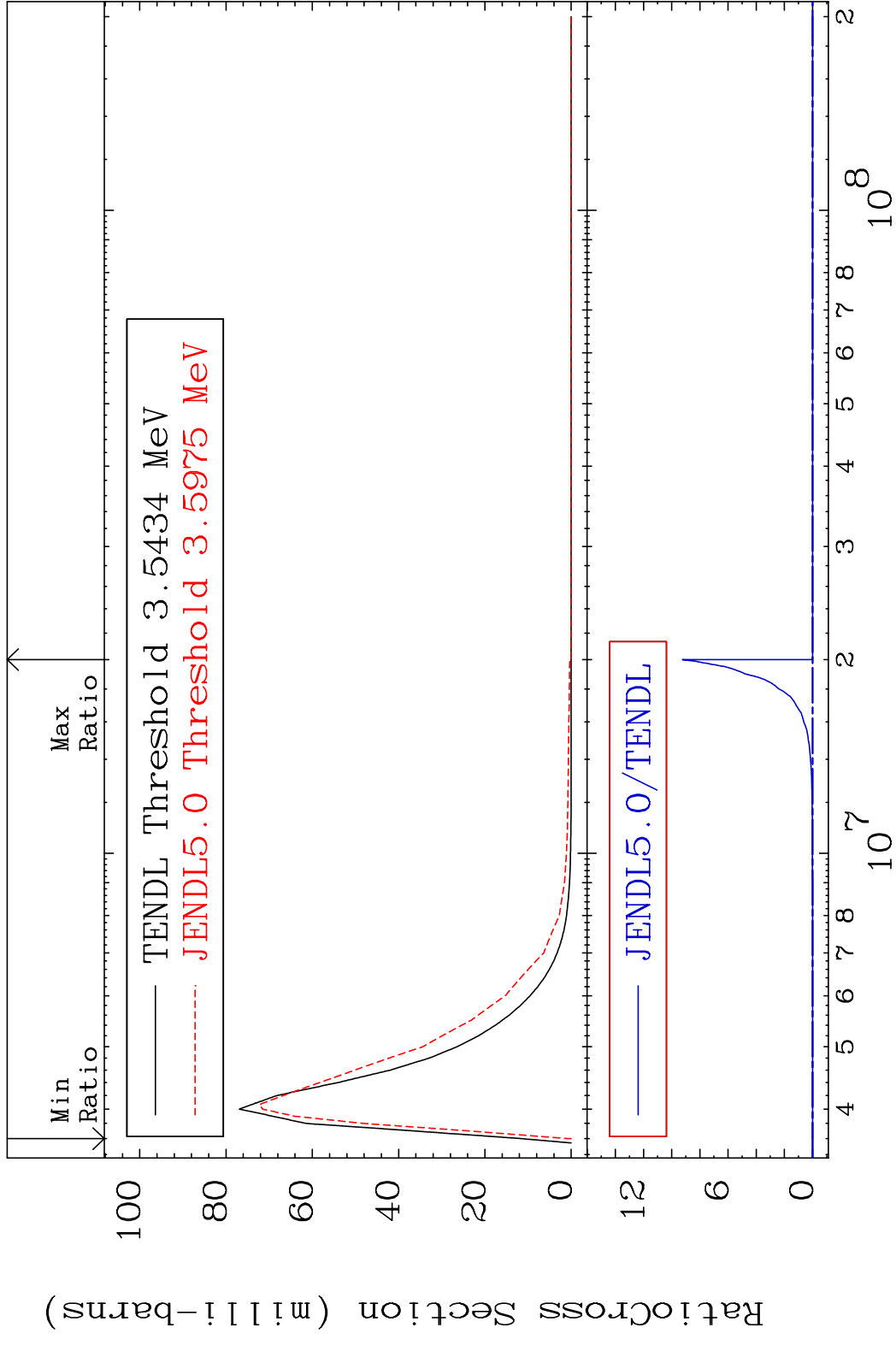
MAT 3925 MT= 68 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



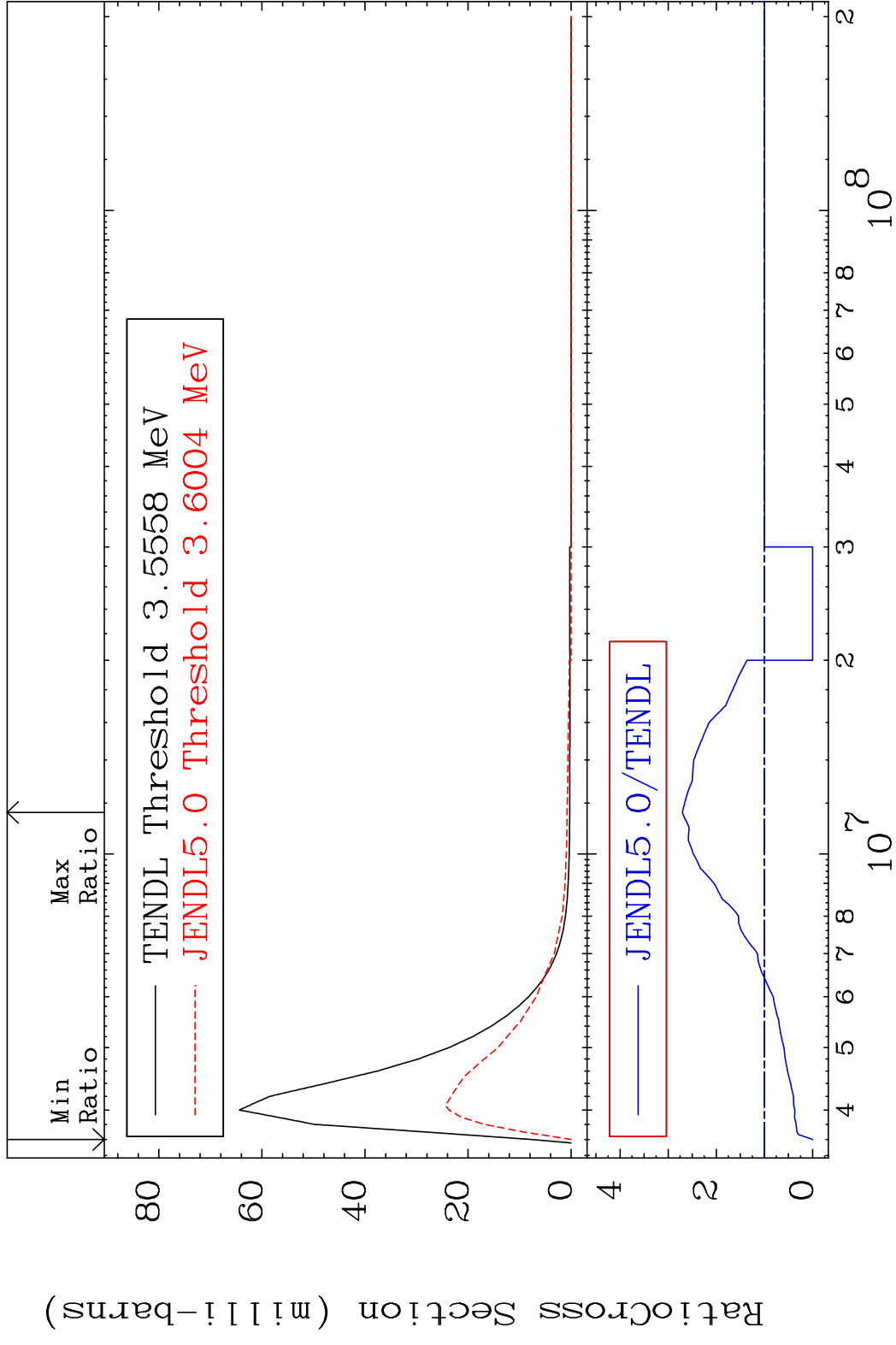
MAT 3925 MT= 69 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



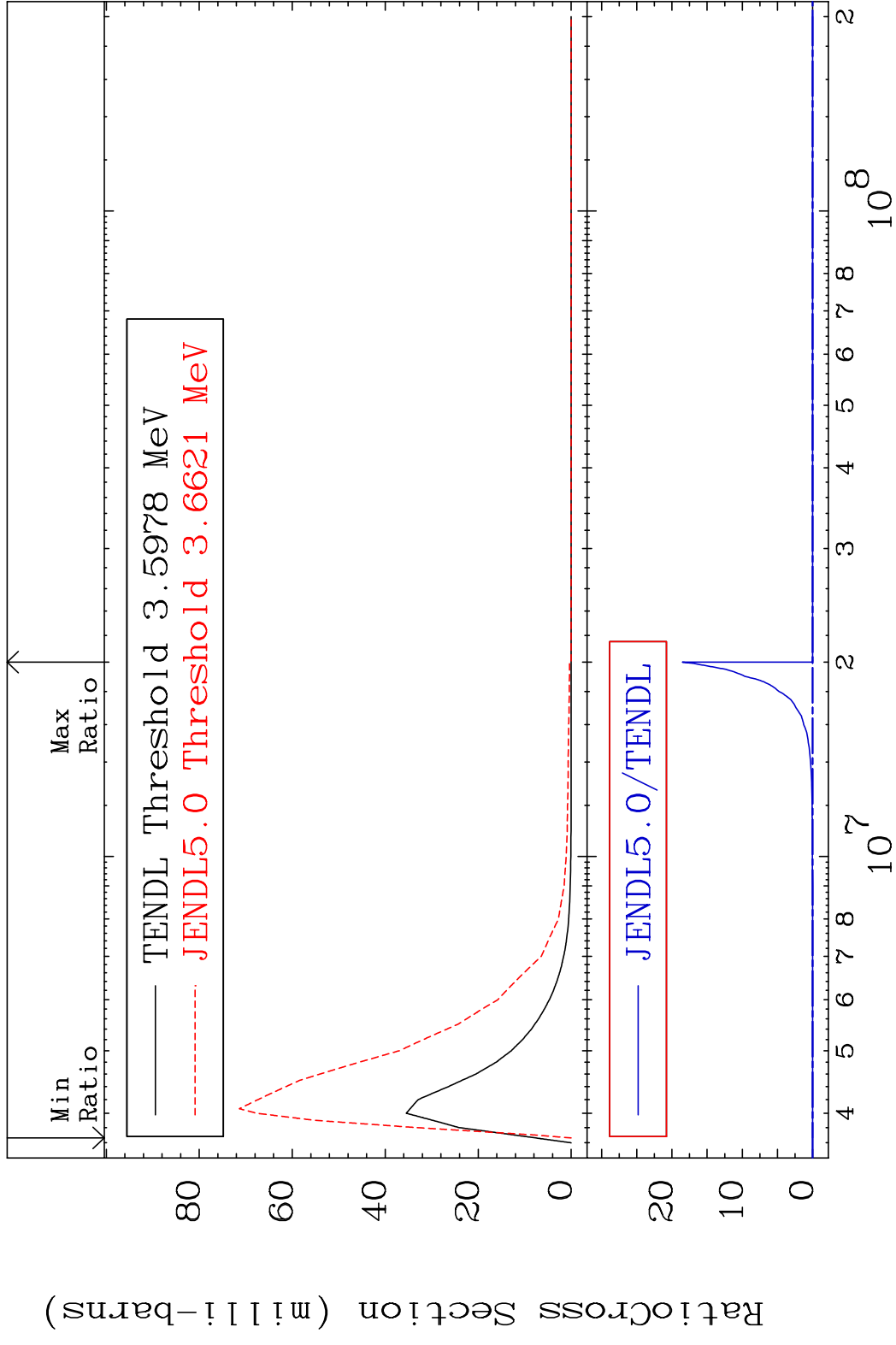
MAT 3925 MT= 70 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



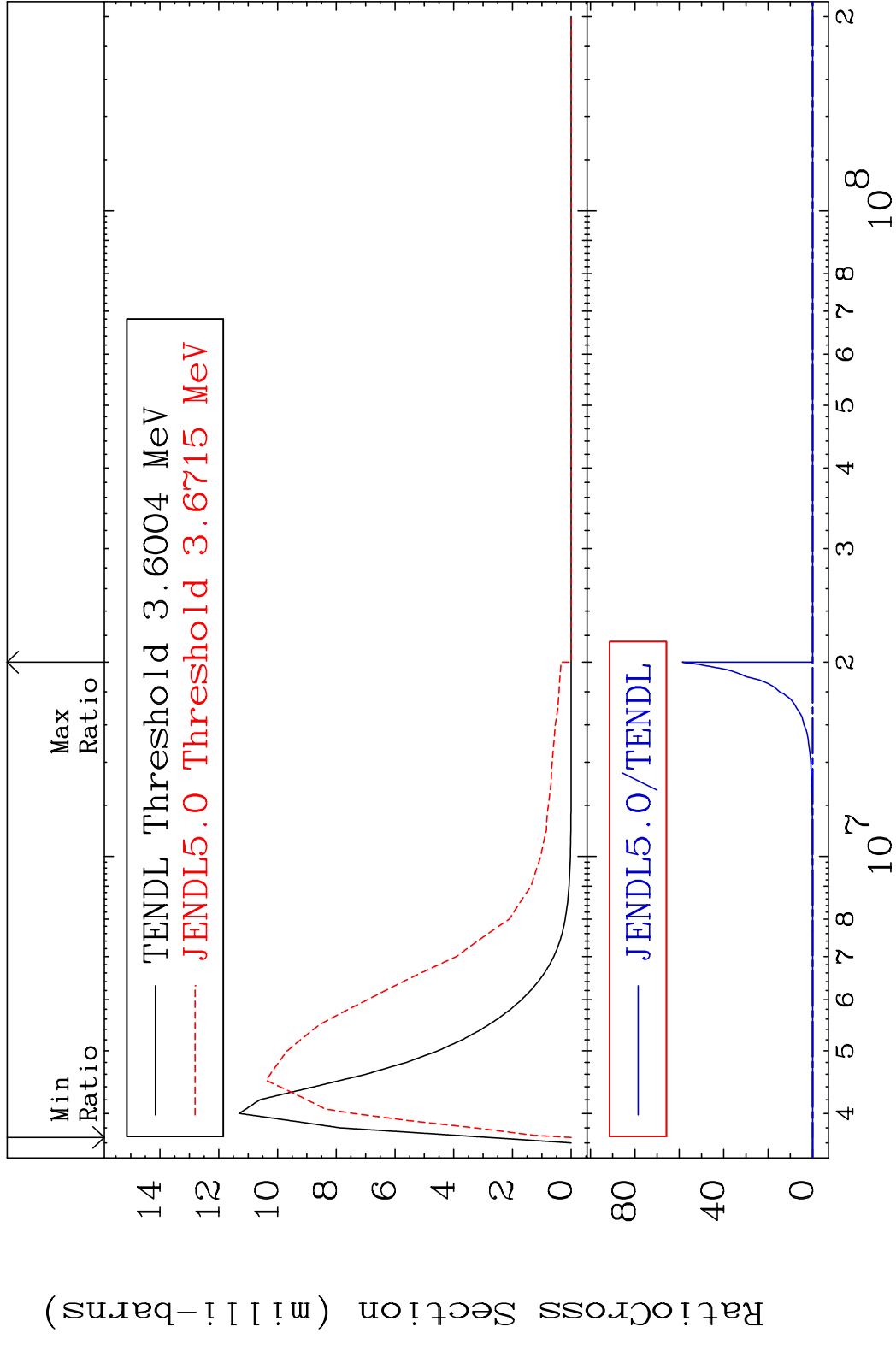
MAT 3925 MT= 71 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 170.5 %



MAT 3925 MT= 72 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %

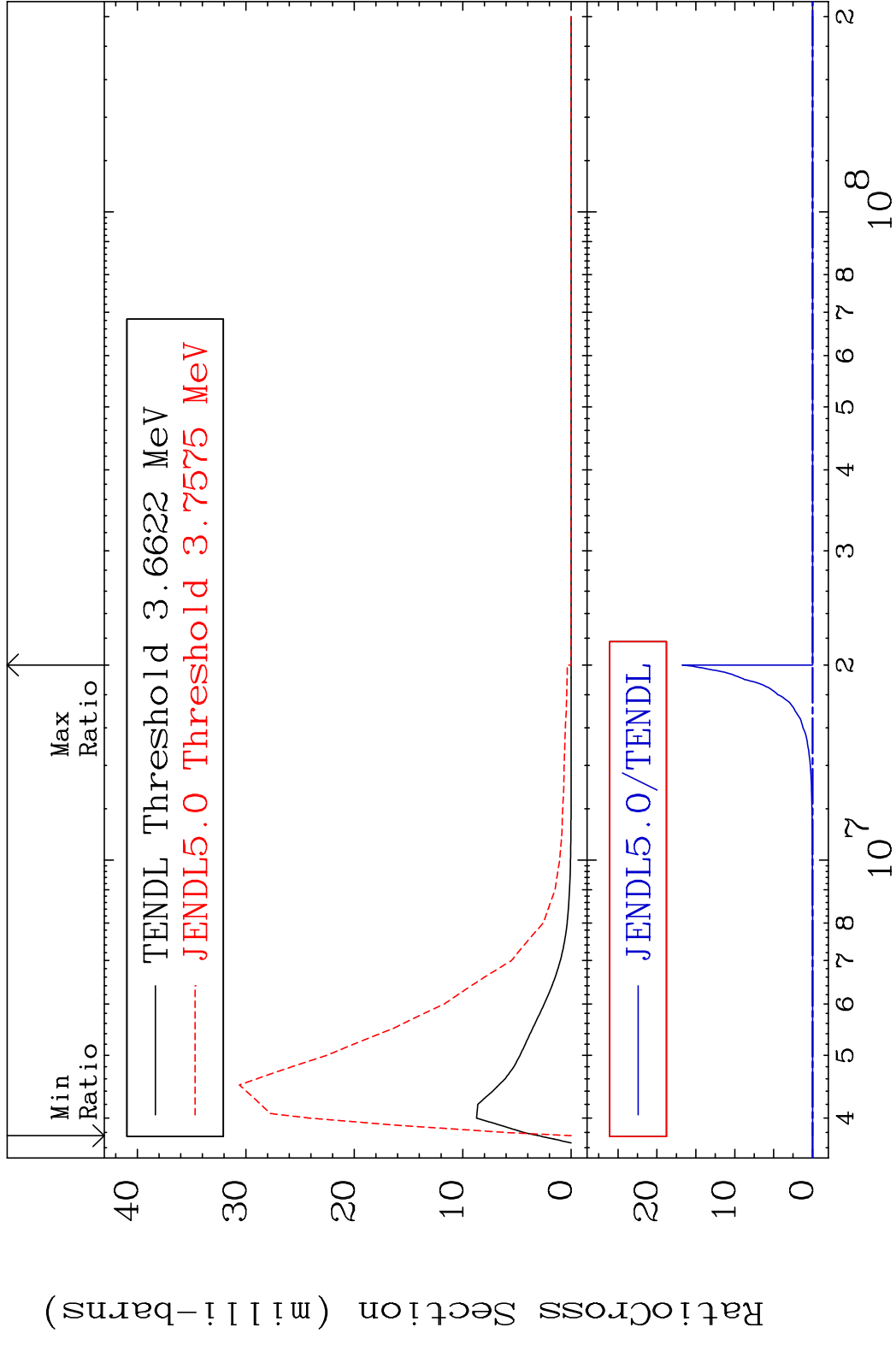


MAT 3925 MT= 73 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %

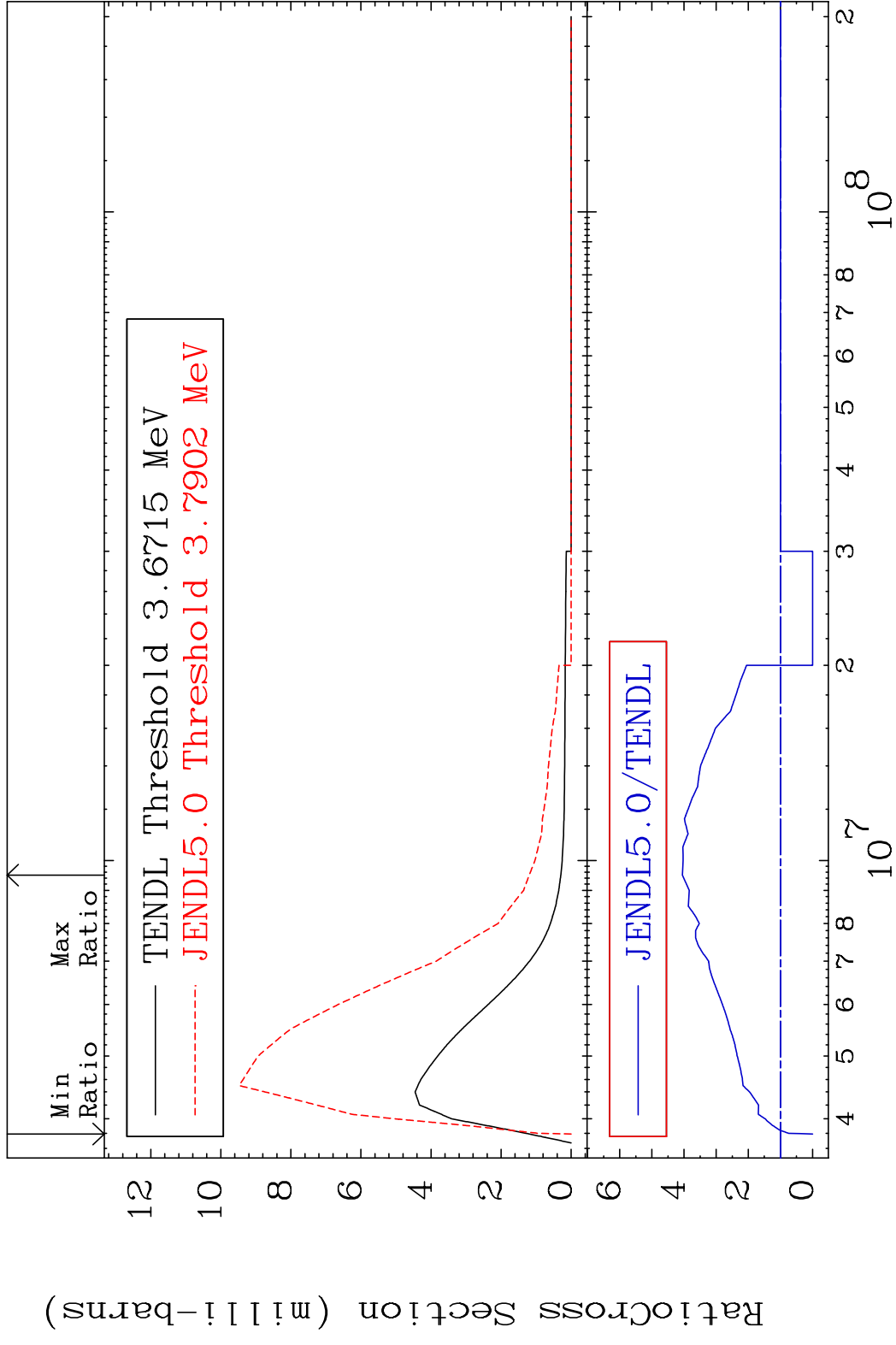




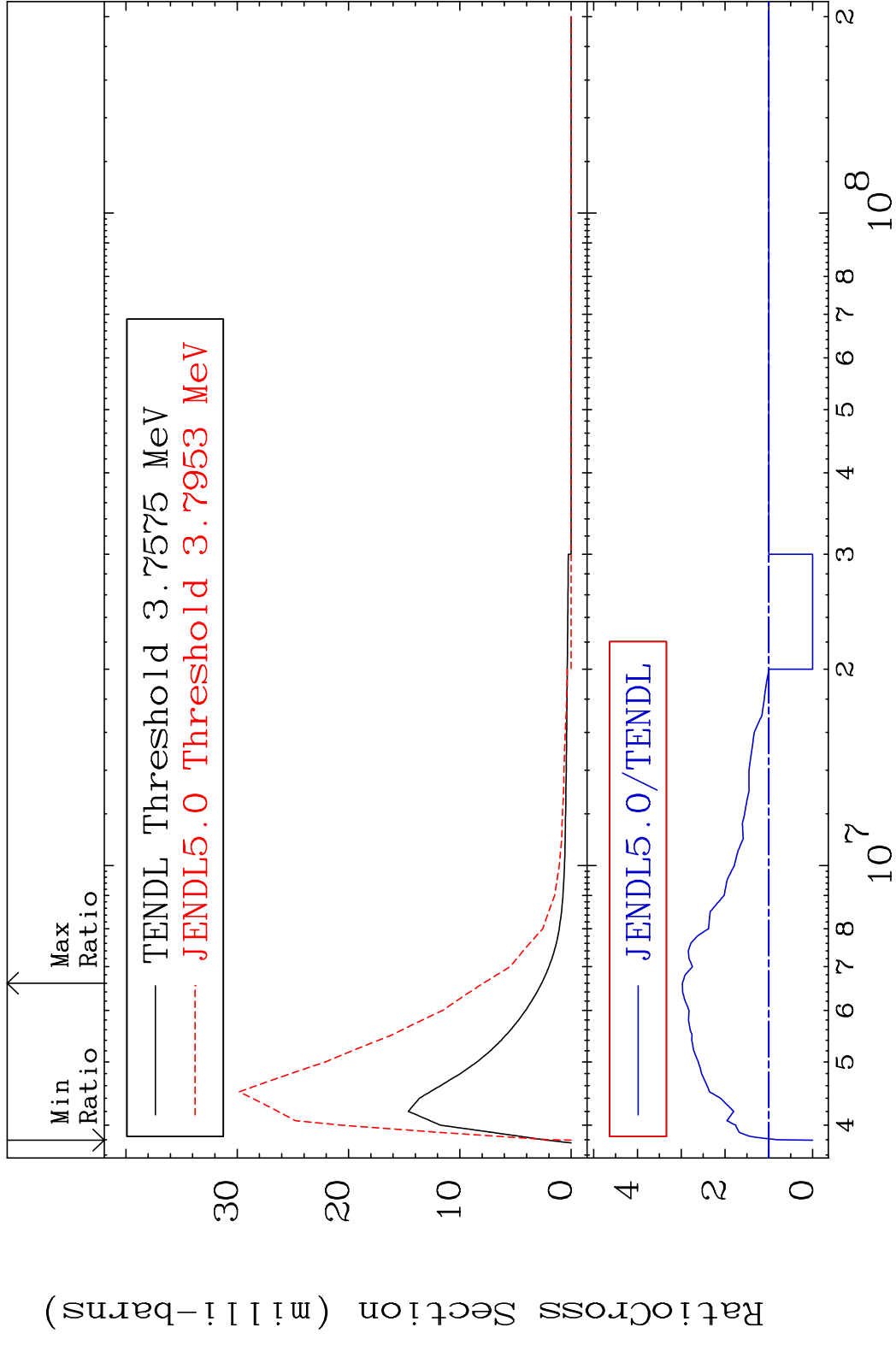
MAT 3925 MT= 74 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



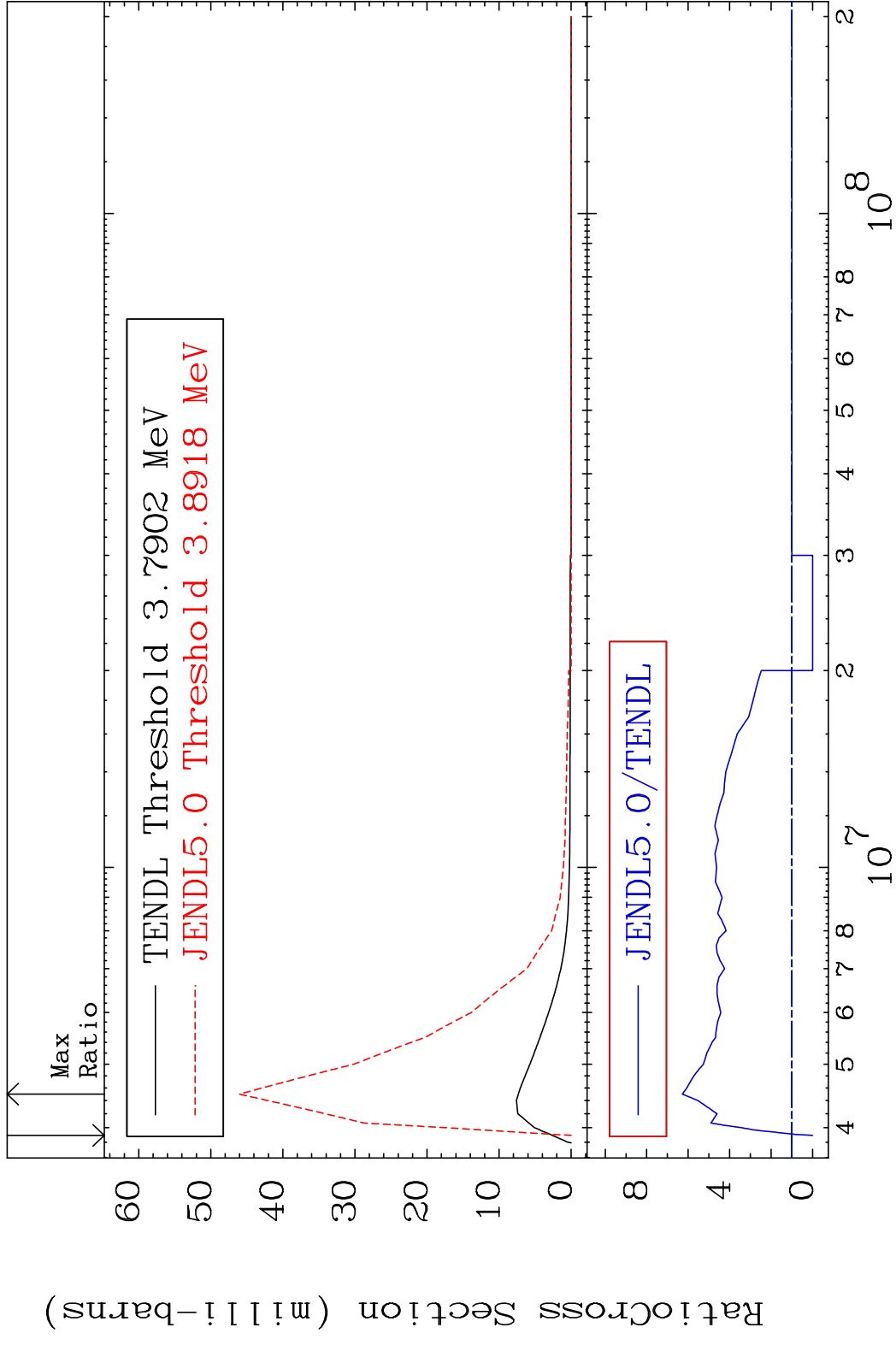
MAT 3925 MT= 75 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 305.2 %



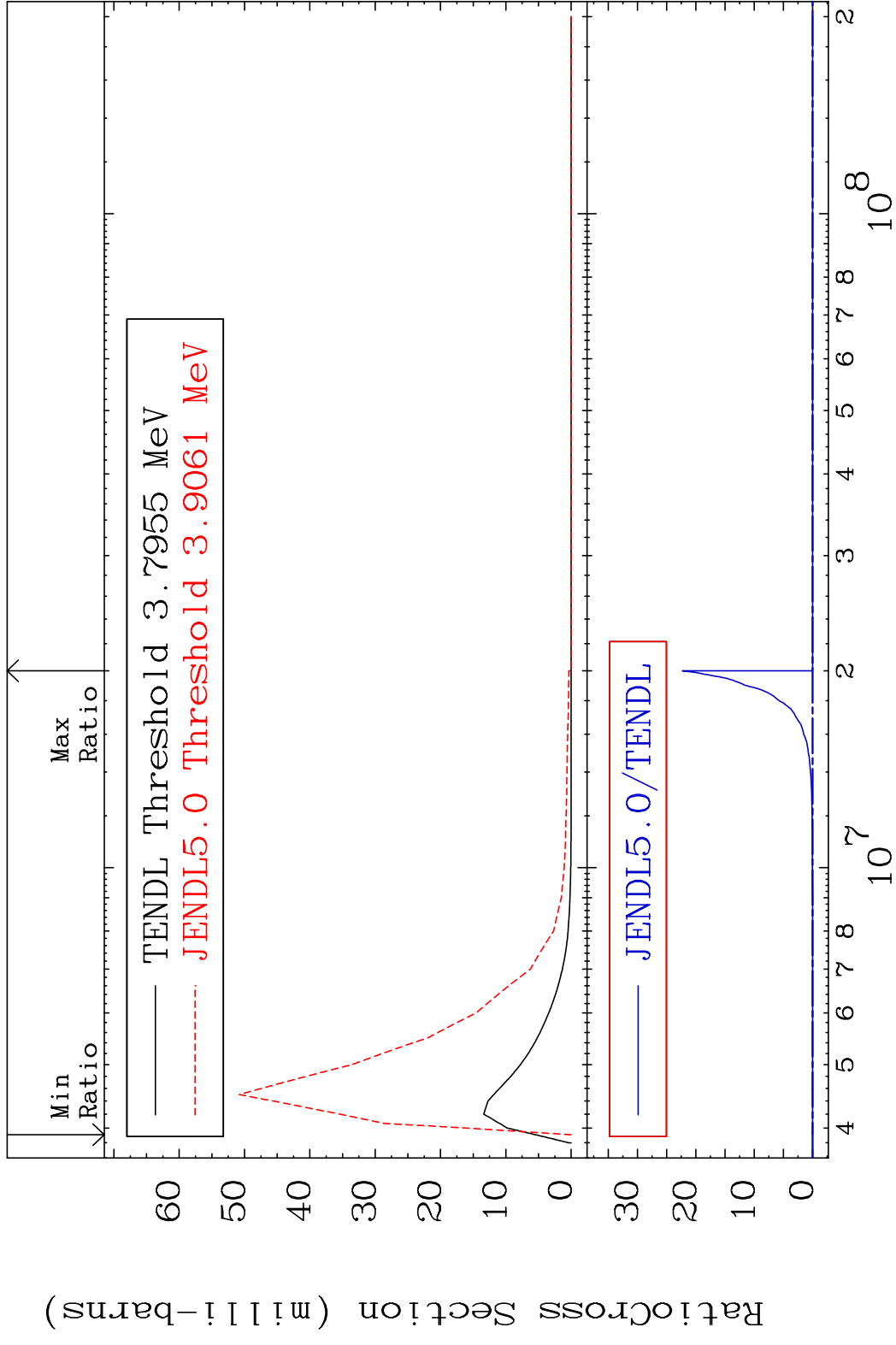
MAT 3925 MT= 76 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 197.3 %



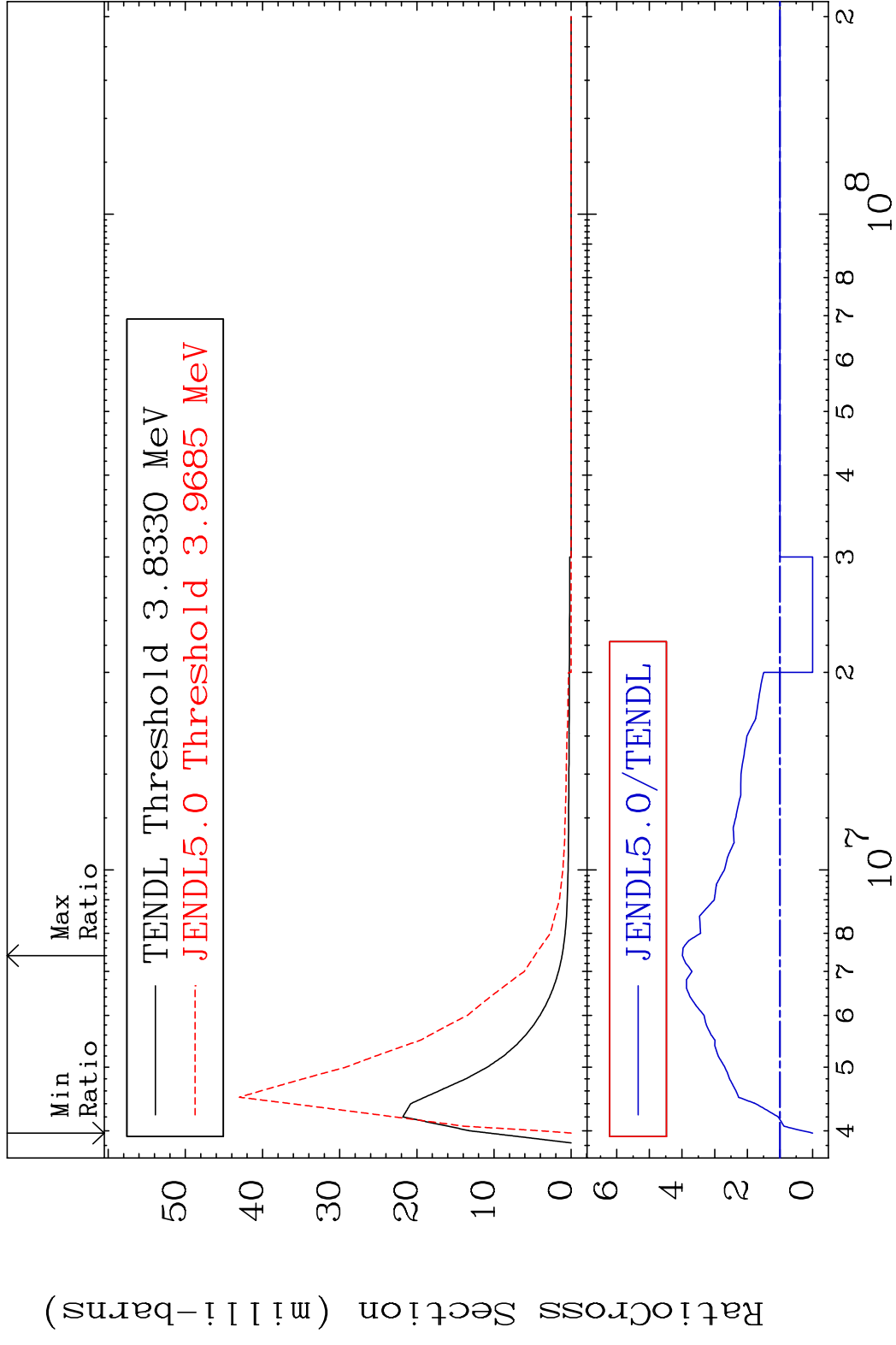
MAT 3925 MT= 77 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 528.0 %



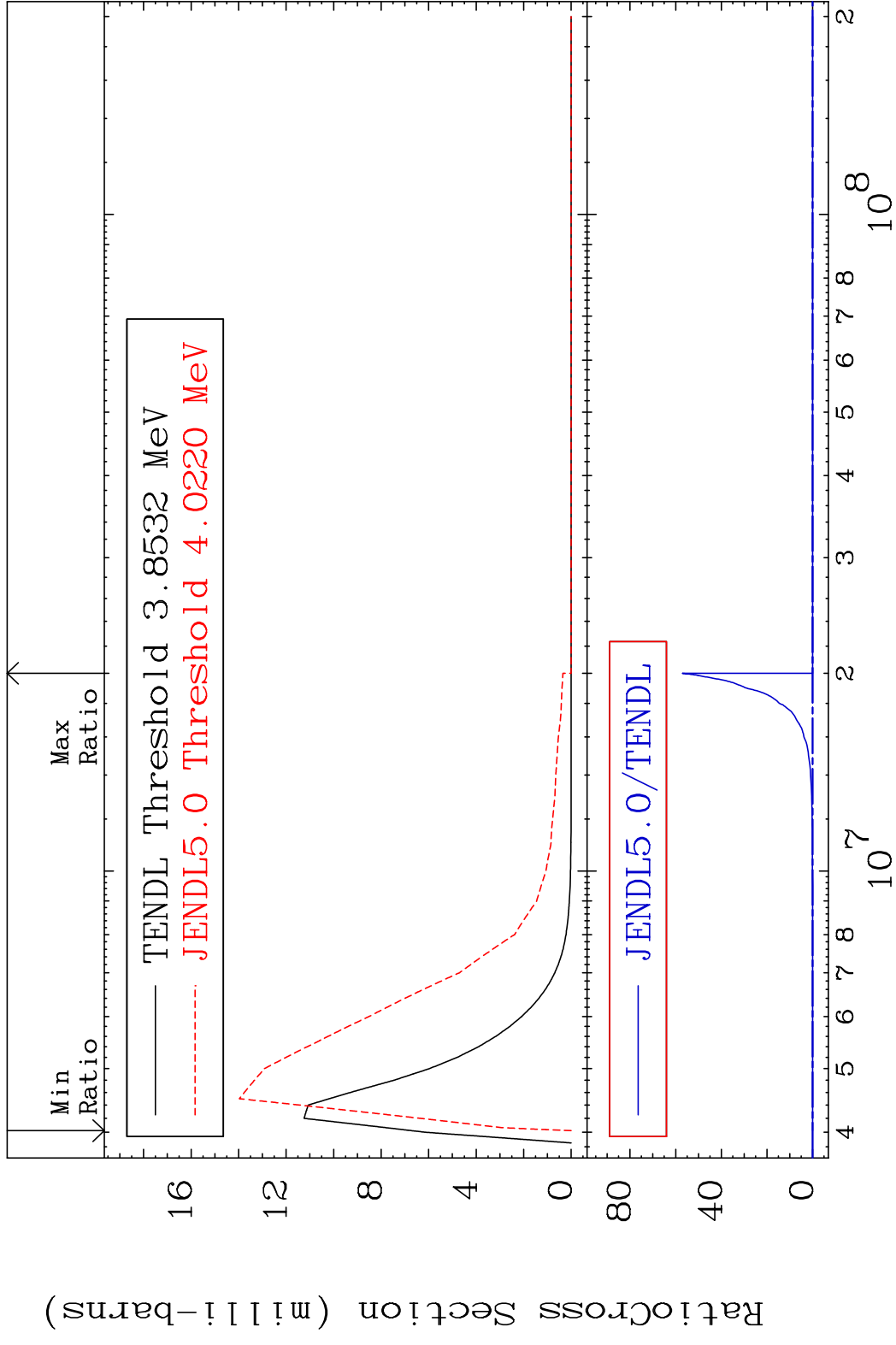
MAT 3925 MT= 78 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



MAT 3925 MT= 79 (n,n') Level 39-Y -89  
 Cross Section -100.0 To 299.0 %



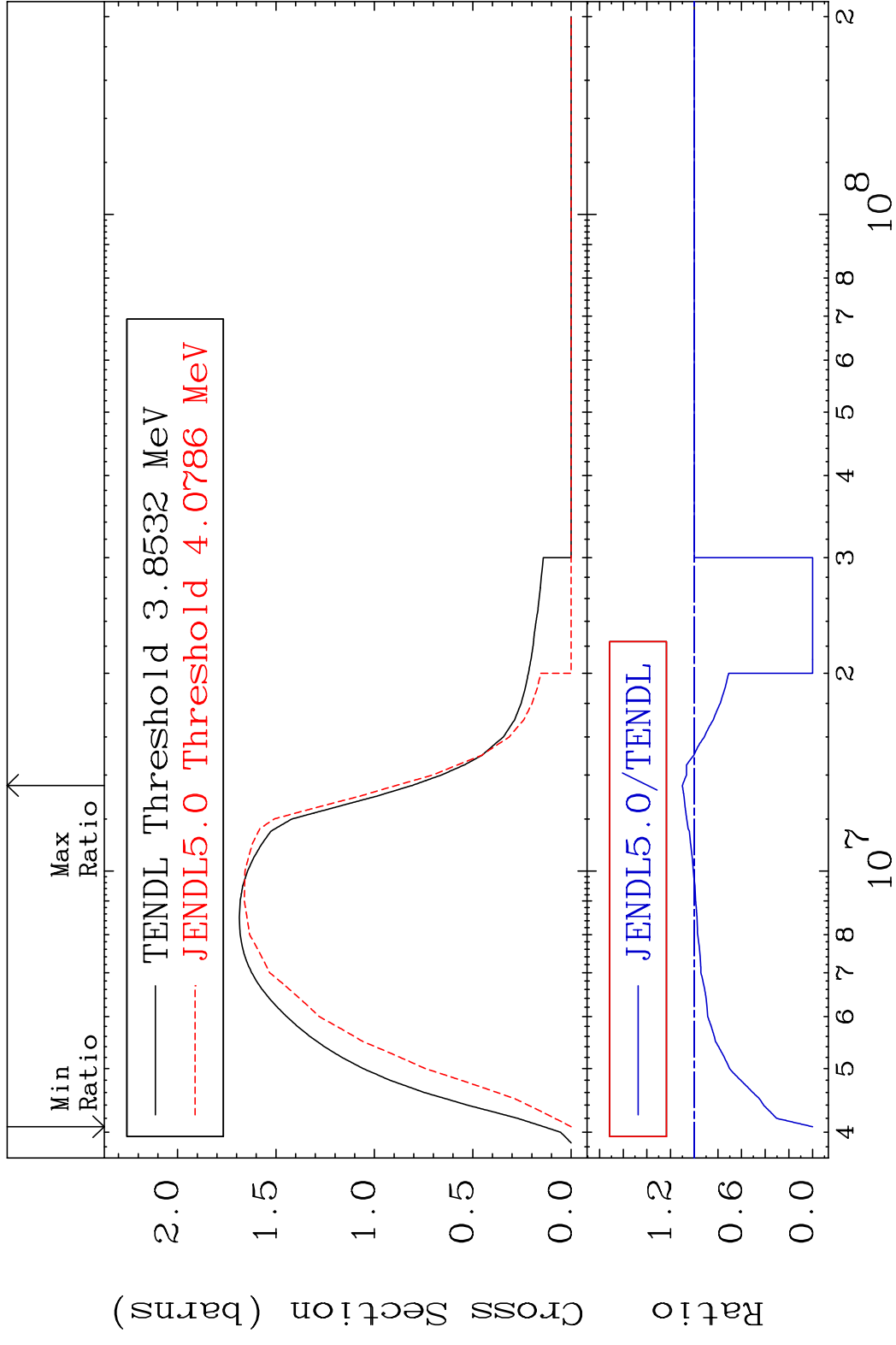
MAT 3925 MT= 80 (n, n') Level 39-Y -89  
 Cross Section -100.0 To 9999. %



MAT 3925

(n,n') Continuum  
Cross Section -100.0 To 10.03 %

39-Y -89



39

Incident Energy (eV) 39-Y -89

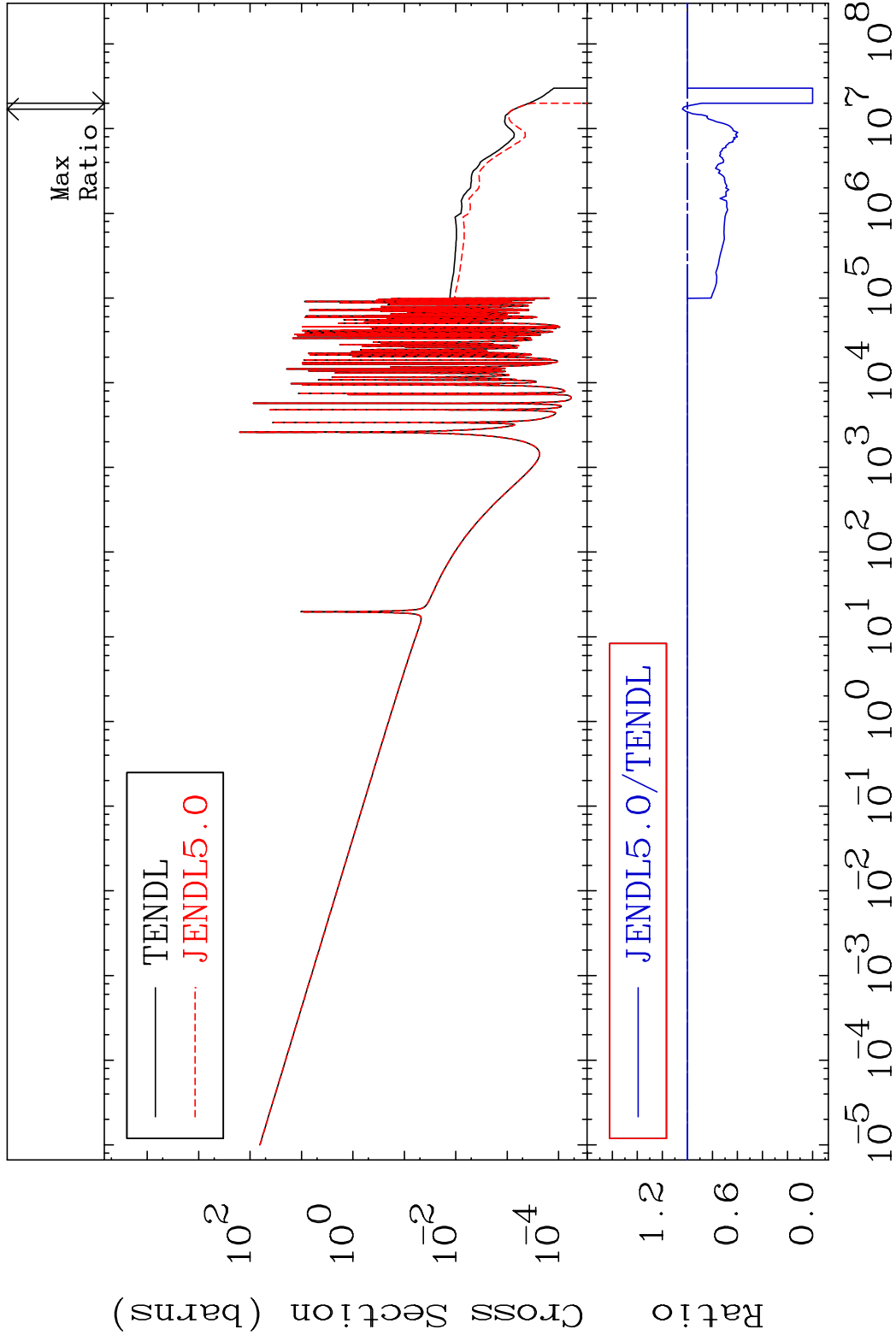


MAT 3925

(n,  $\gamma$ )

39-Y -89

Cross Section -100.0 To 4.029 %

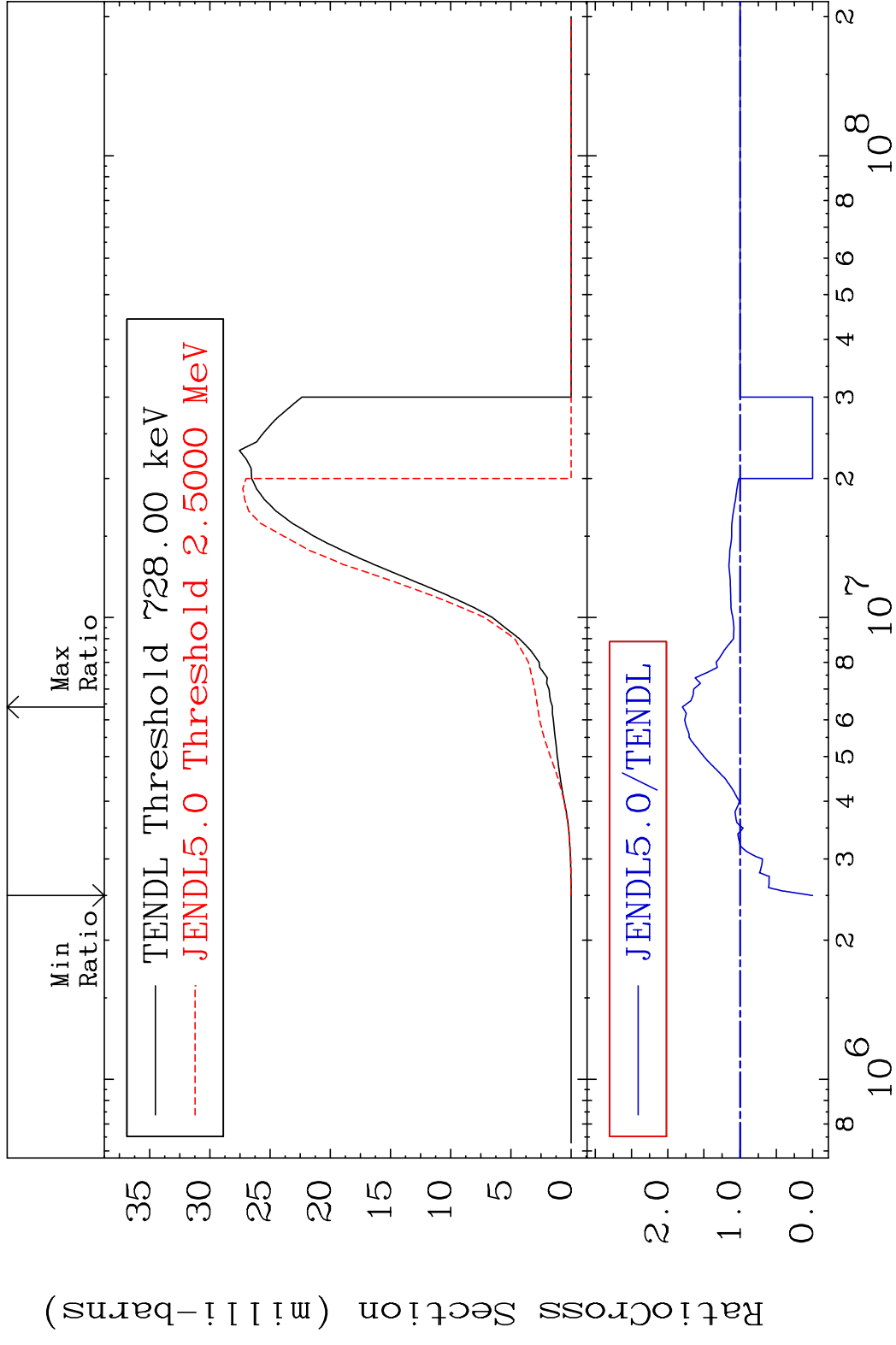


40

Incident Energy (eV)

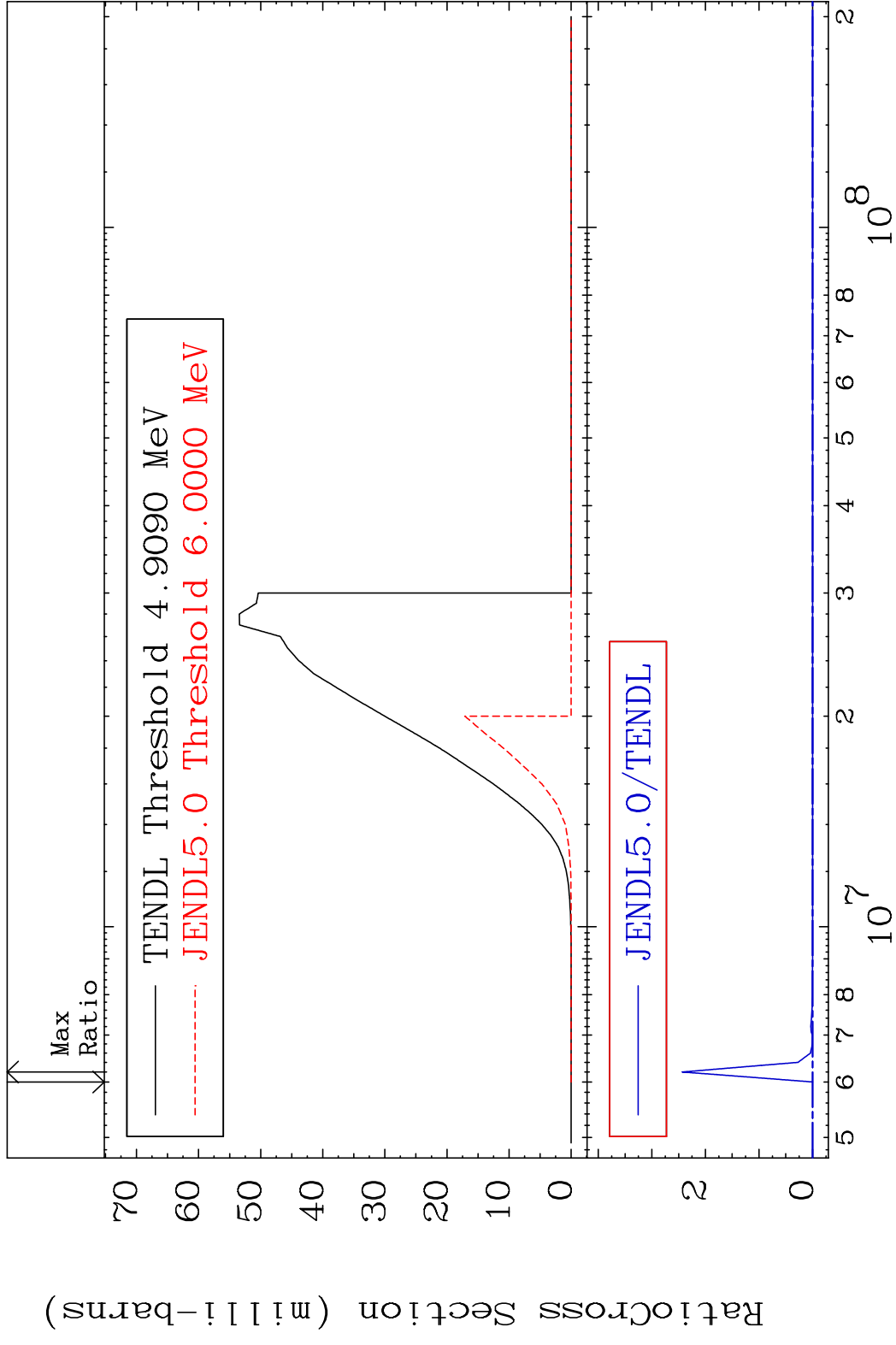
39-Y -89

MAT 3925 (n,p) 39-Y -89  
Cross Section -100.0 To 79.75 %

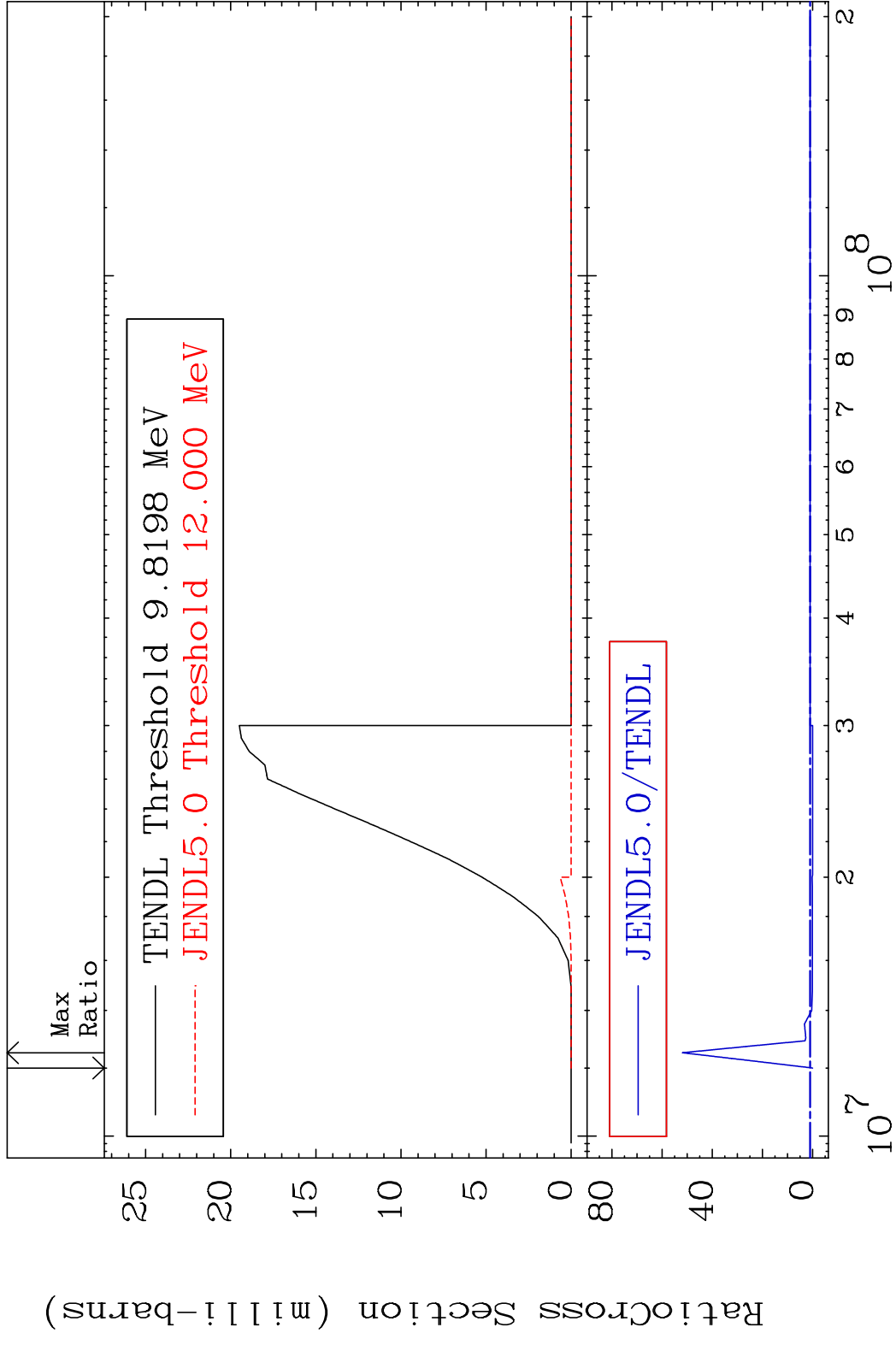


41 Incident Energy (eV) 39-Y -89

MAT 3925 (n,d) 39-Y -89  
 Cross Section -100.0 To 9999. %



MAT 3925 (n, t) 39-Y -89  
 Cross Section -100.0 To 5091. %



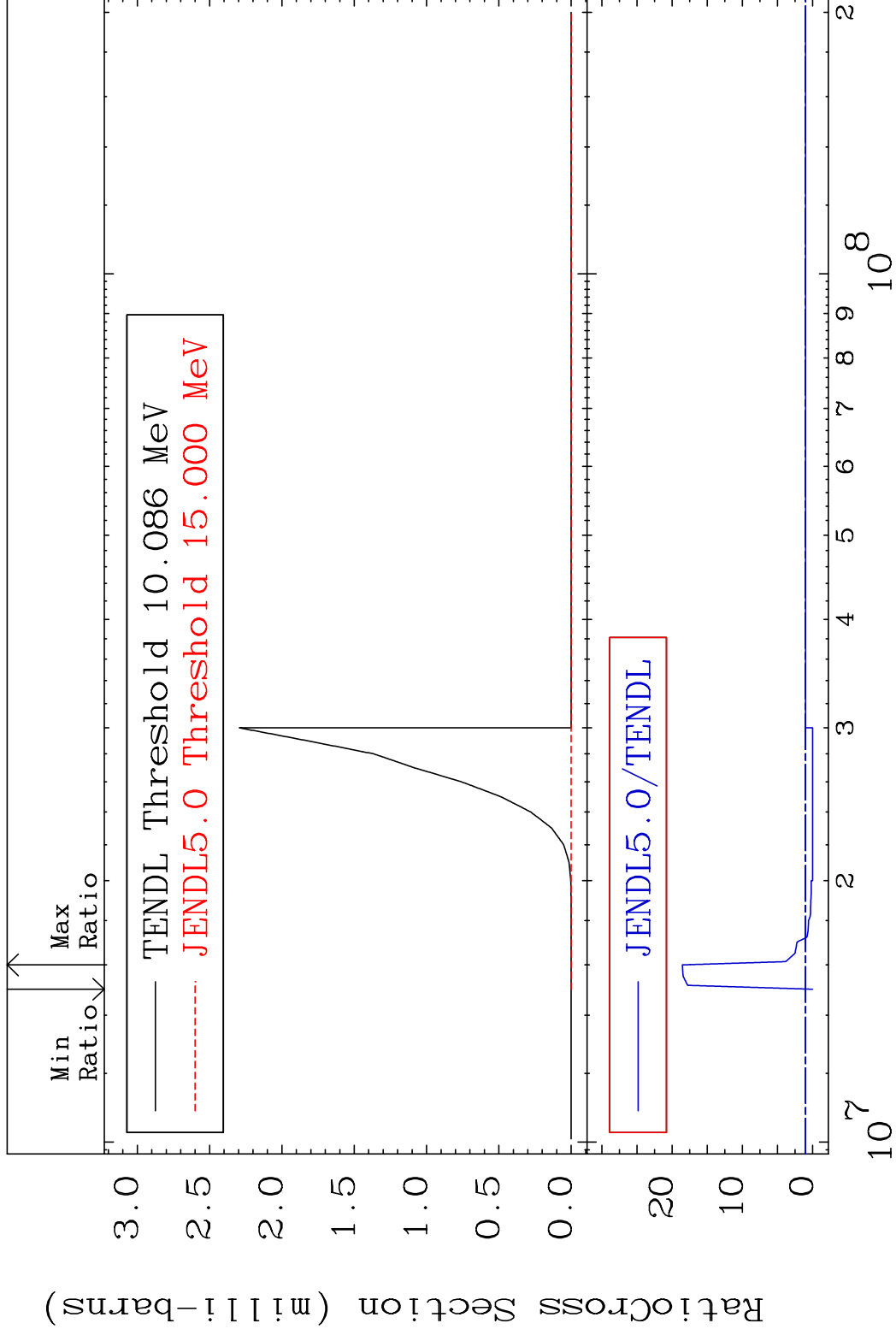
43 Incident Energy (eV) 39-Y -89

MAT 3925

(n, He-3)

39-Y -89

Cross Section -100.0 To 1754. %



44

Incident Energy (eV)

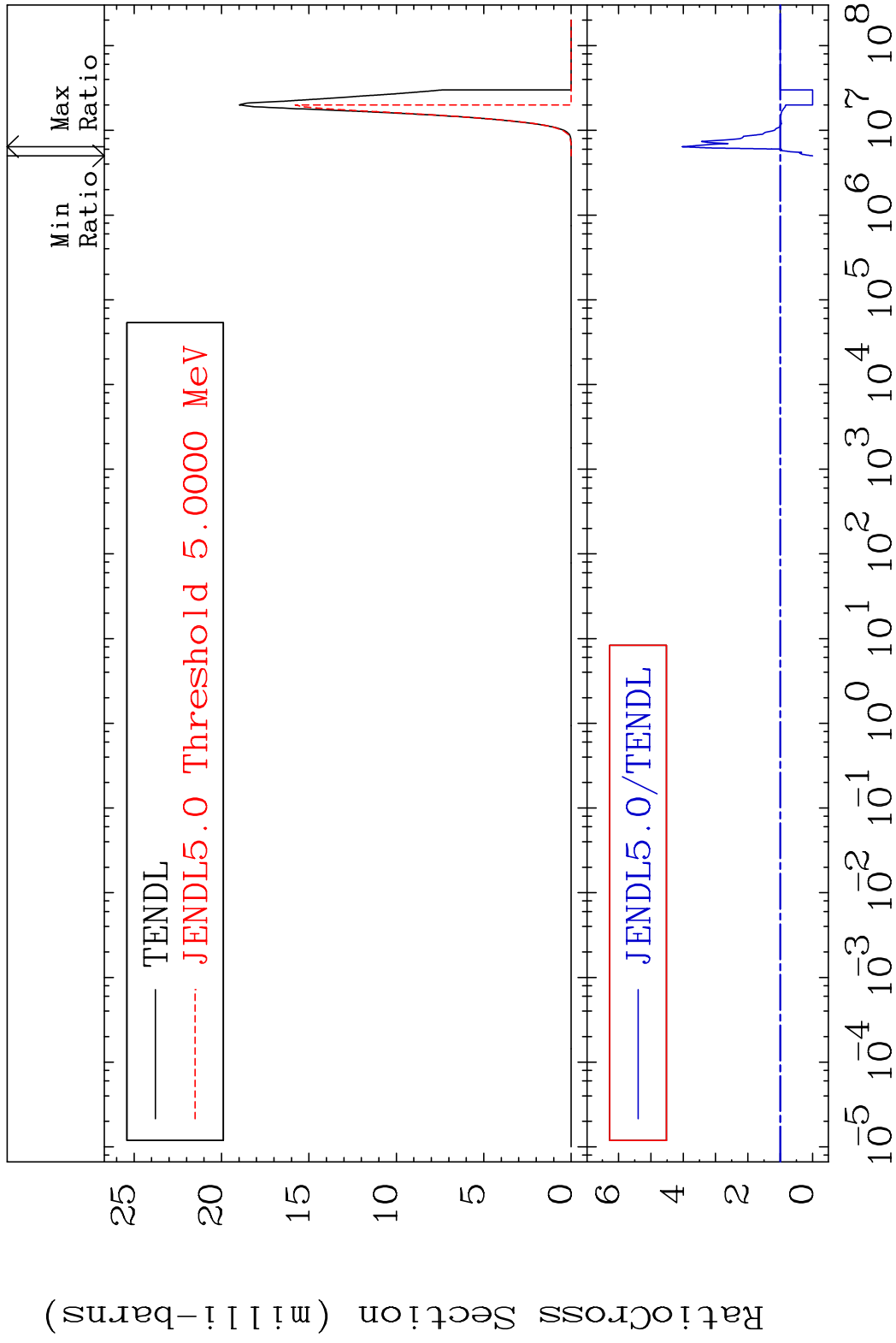
39-Y -89

MAT 3925

(n,  $\alpha$ )

39-Y -89

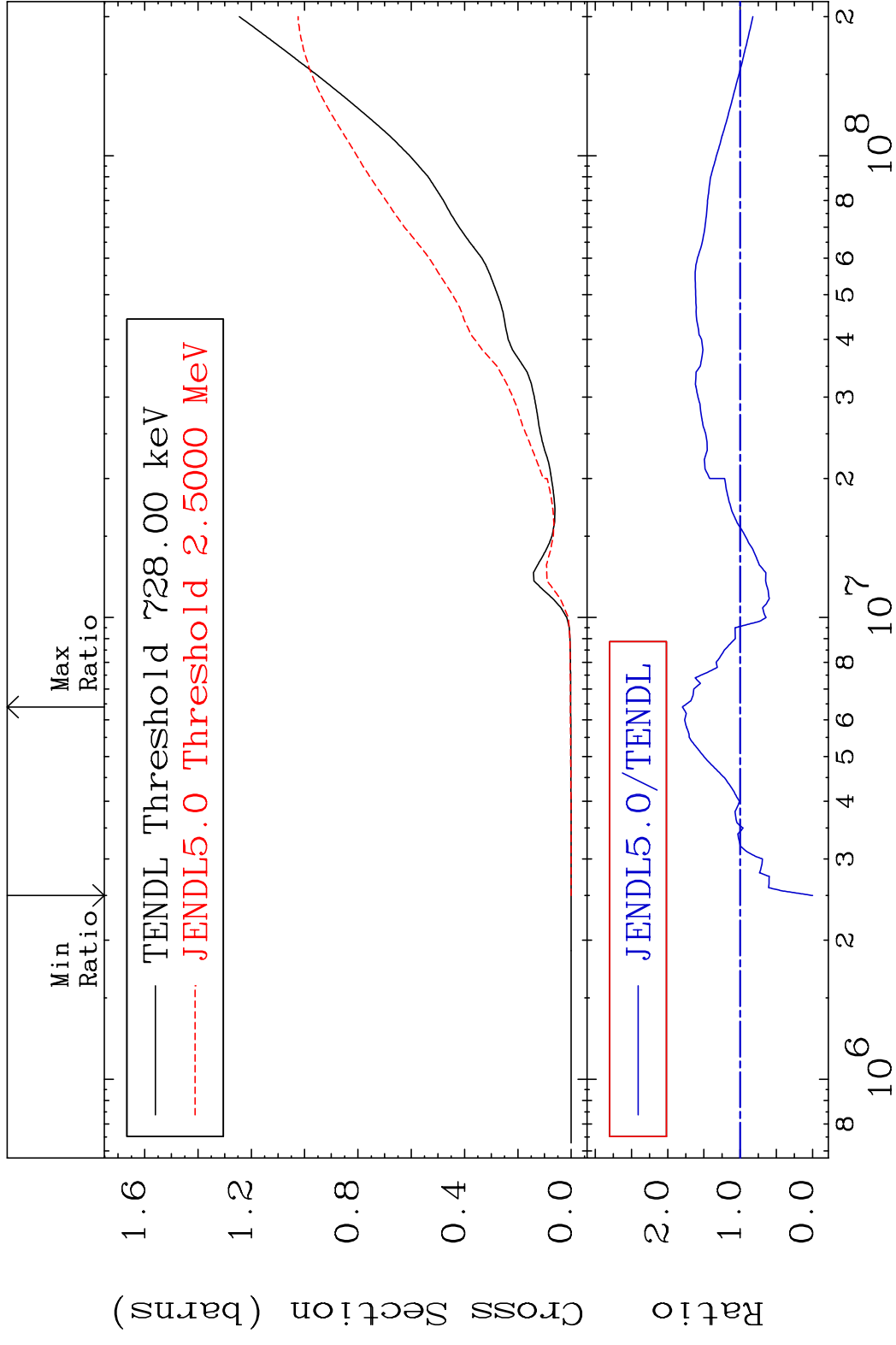
Cross Section -100.0 To 302.7 %



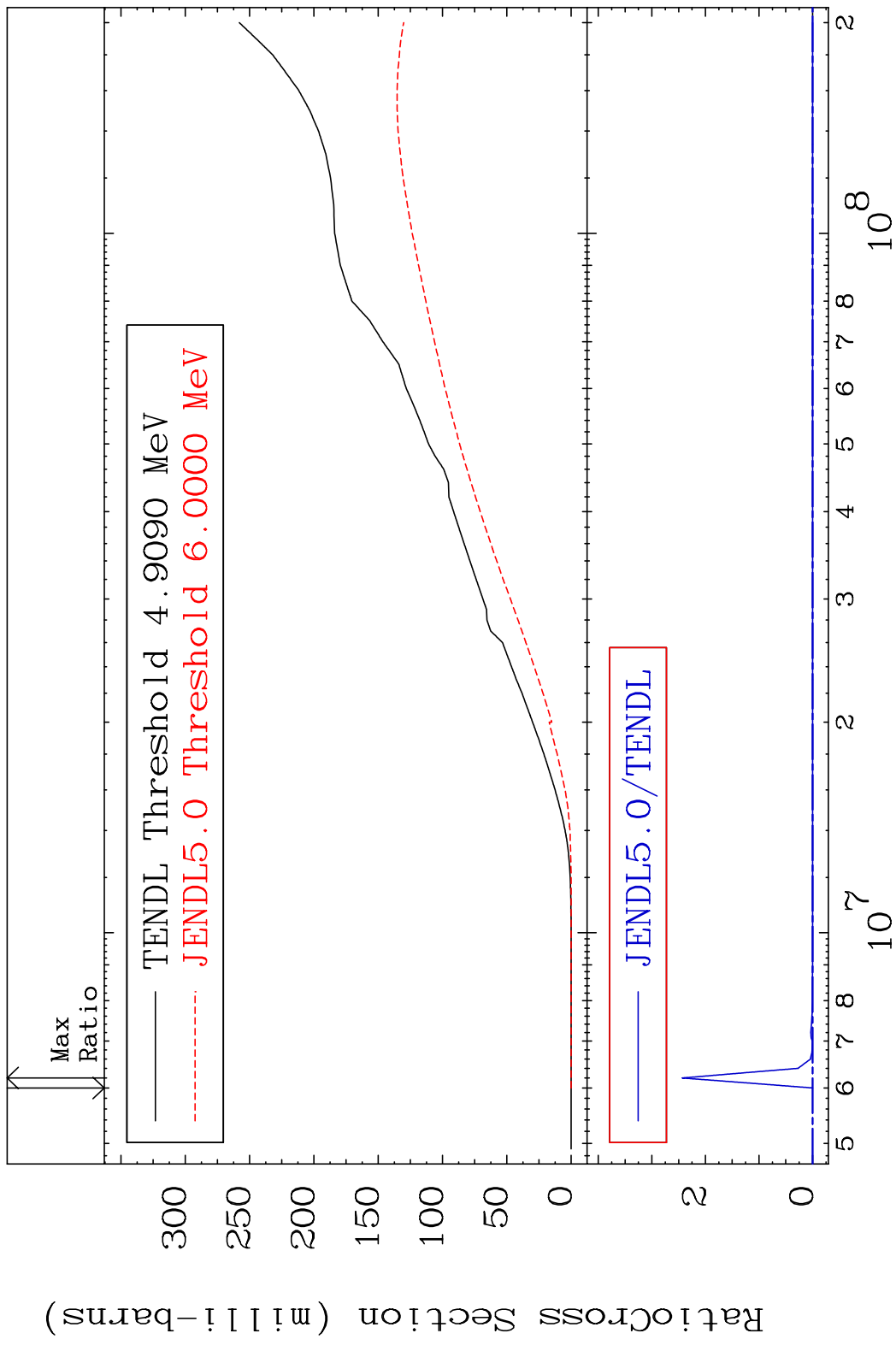
45

Incident Energy (eV)

39-Y -89



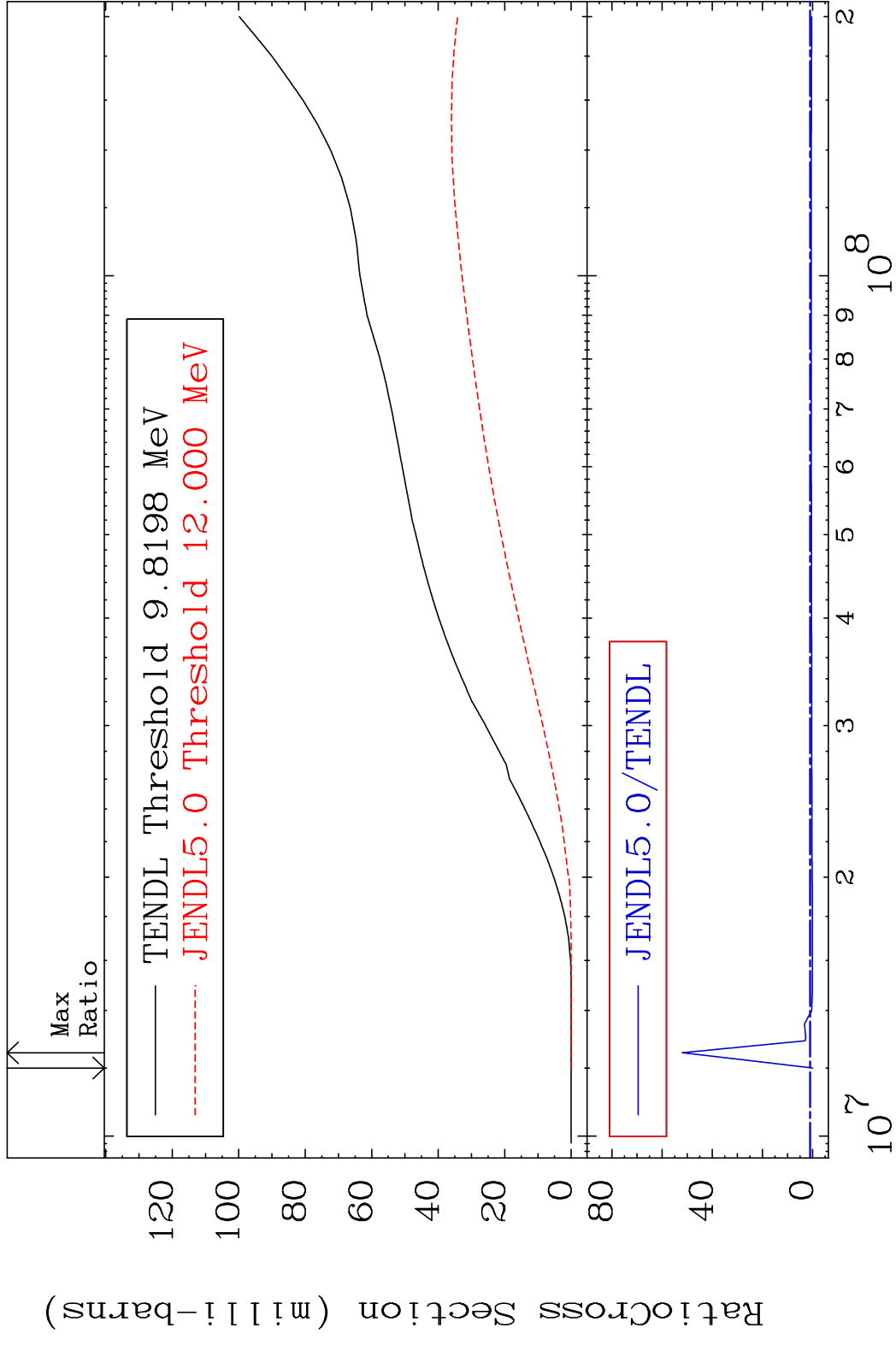
MAT 3925 Deuterium Production 39-Y -89  
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 39-Y -89



MAT 3925 Tritium Production 39-Y -89  
Cross Section -100.0 To 5091. %



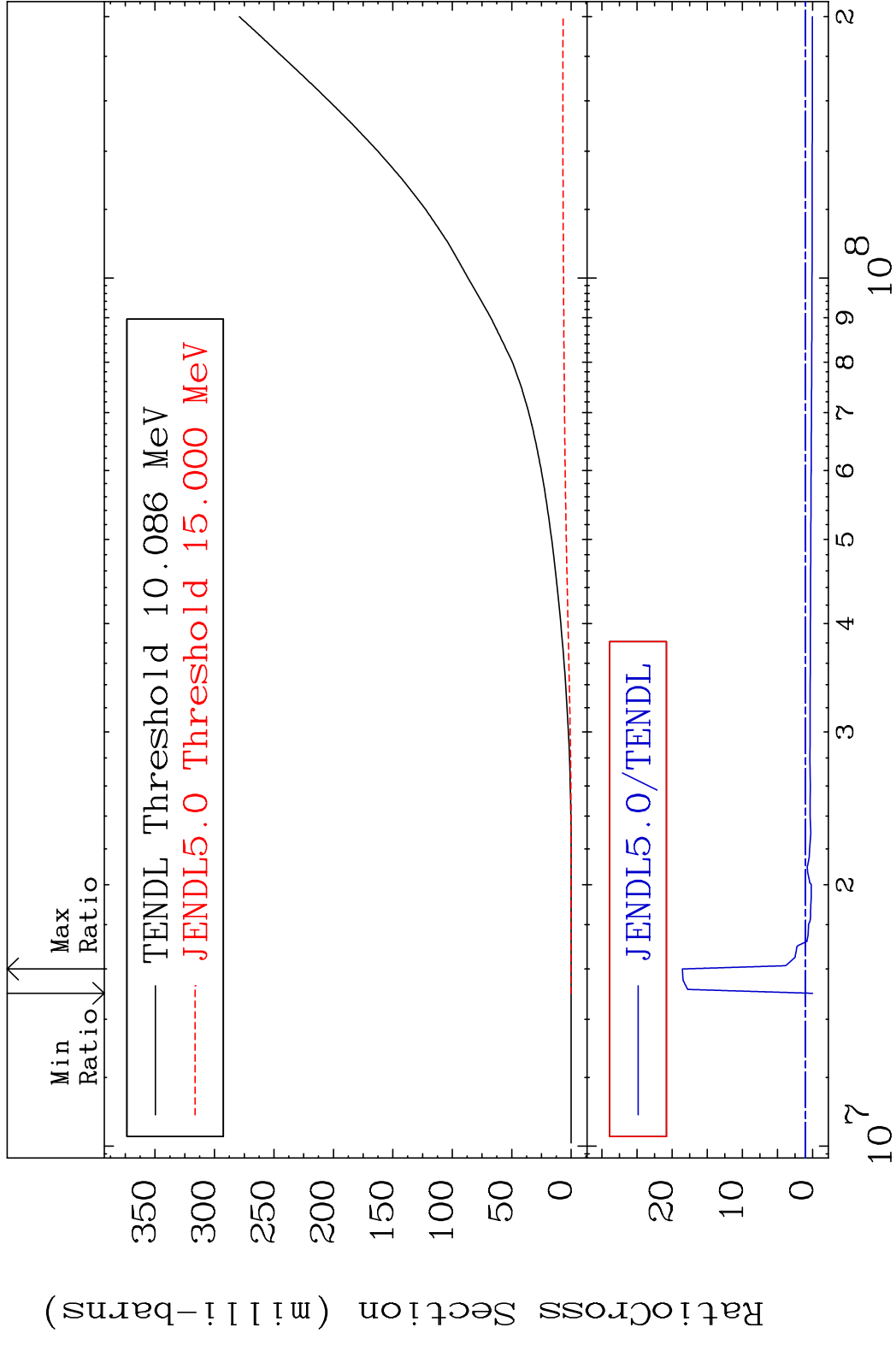
48 Incident Energy (eV) 39-Y -89

MAT 3925

He-3 Production

39-Y -89

Cross Section -100.0 To 1754. %



49

Incident Energy (eV)

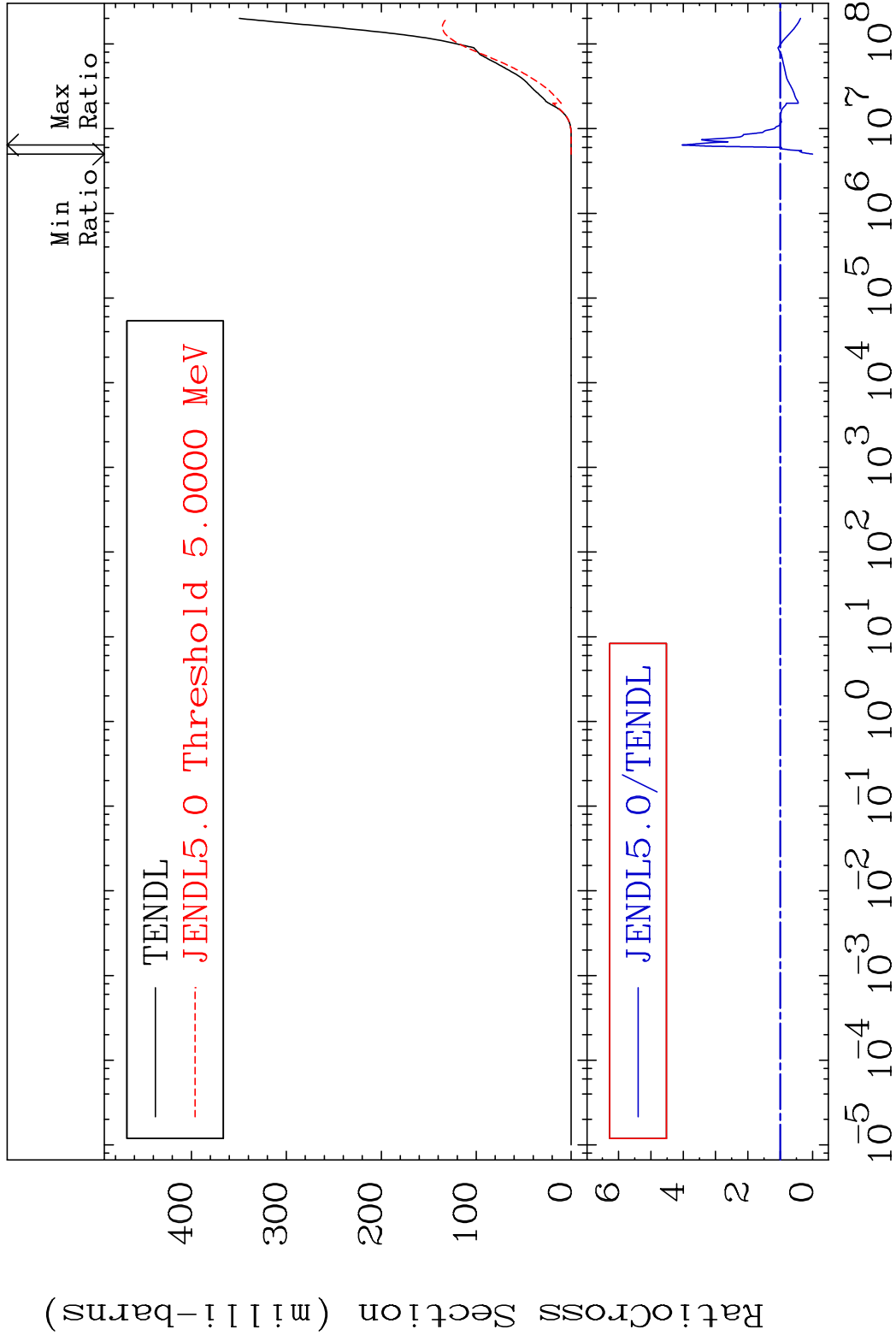
39-Y -89

MAT 3925

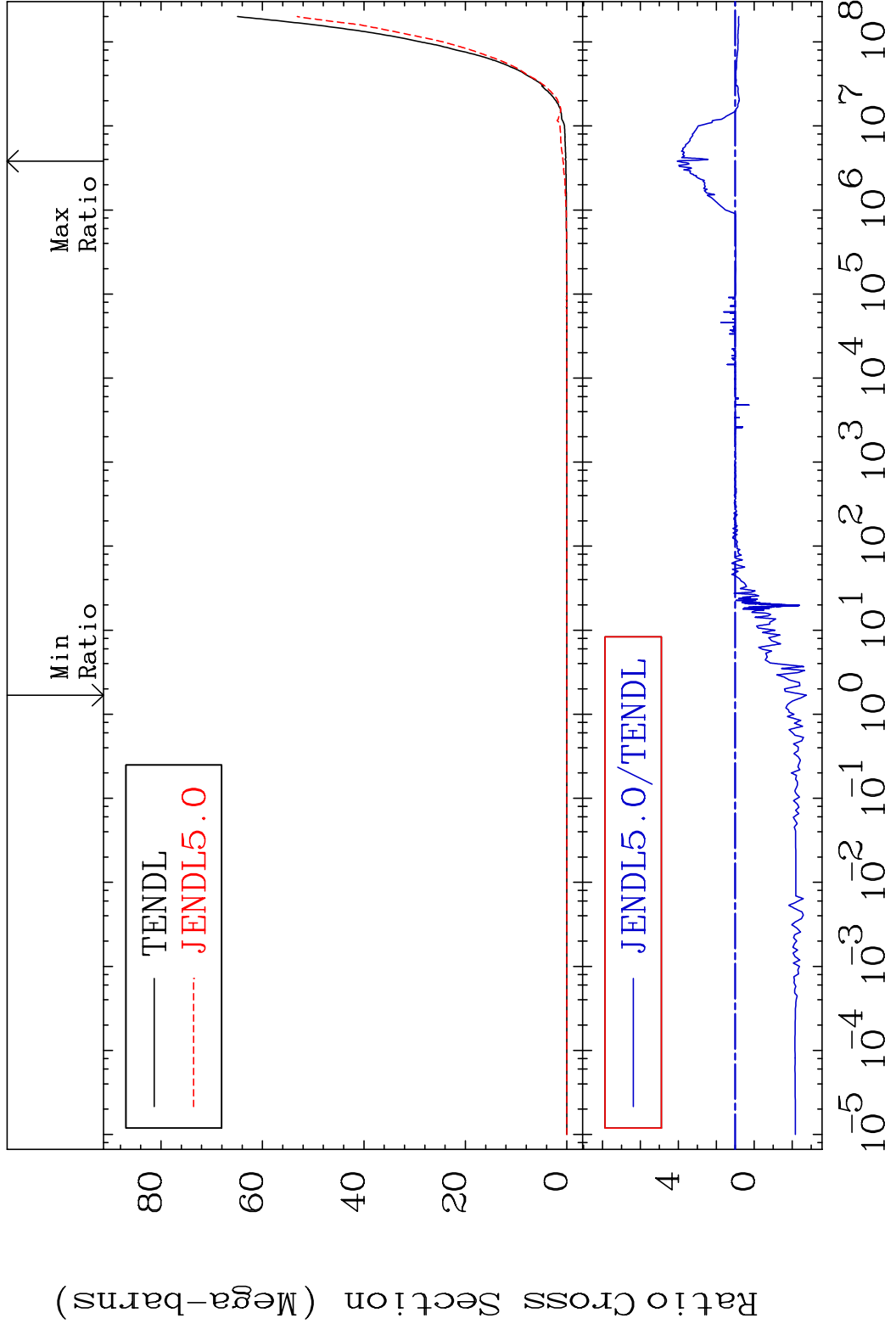
He-4 Production

39-Y -89

Cross Section -100.0 To 302.7 %



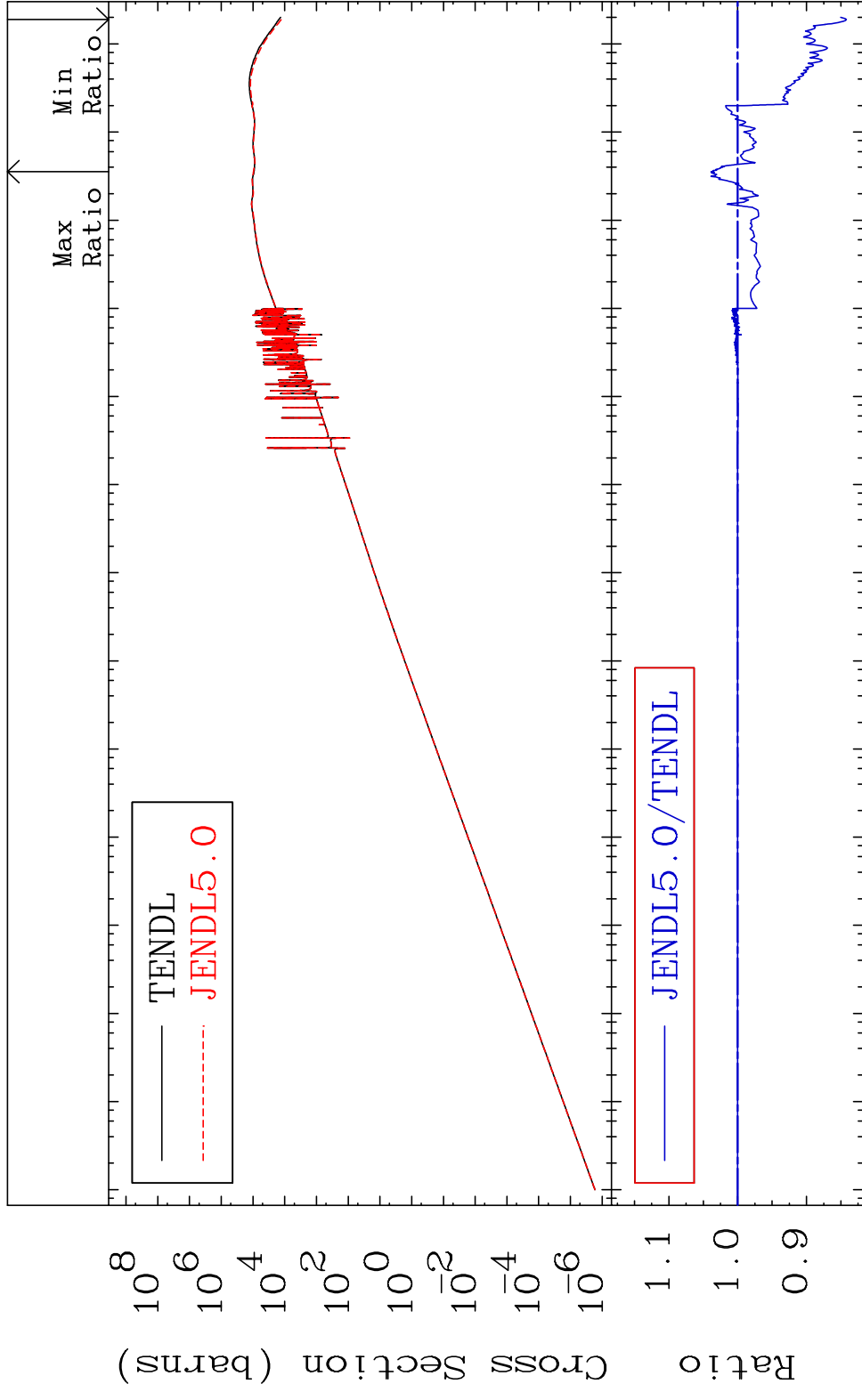
MAT 3925 Kerma total (eV-barns) 39-Y -89  
 Cross Section -375.0 To 306.1 %



MAT 3925

Kerma elastic  
Cross Section

39-Y -89  
-15.79 To 3.924 %

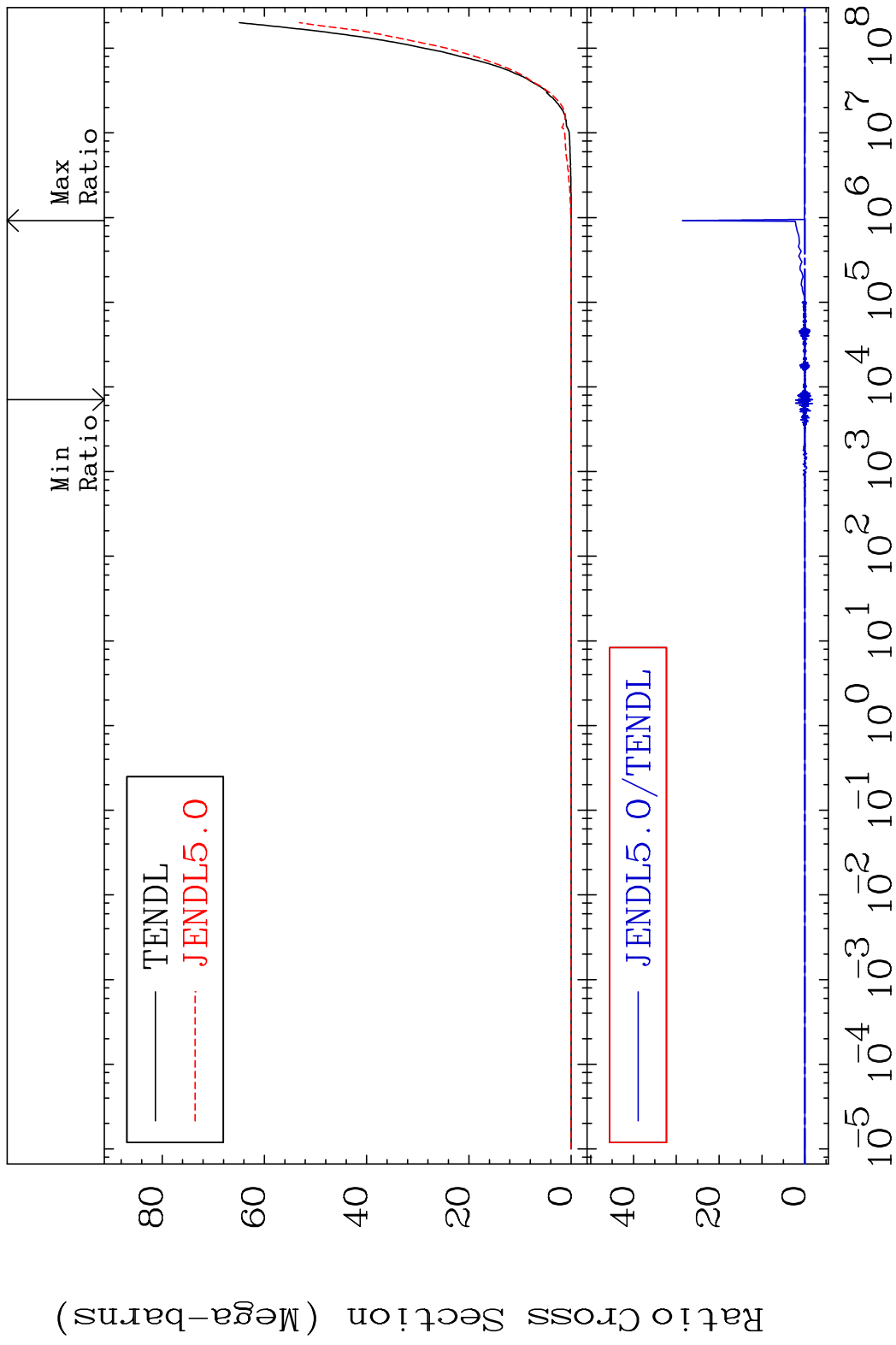


52

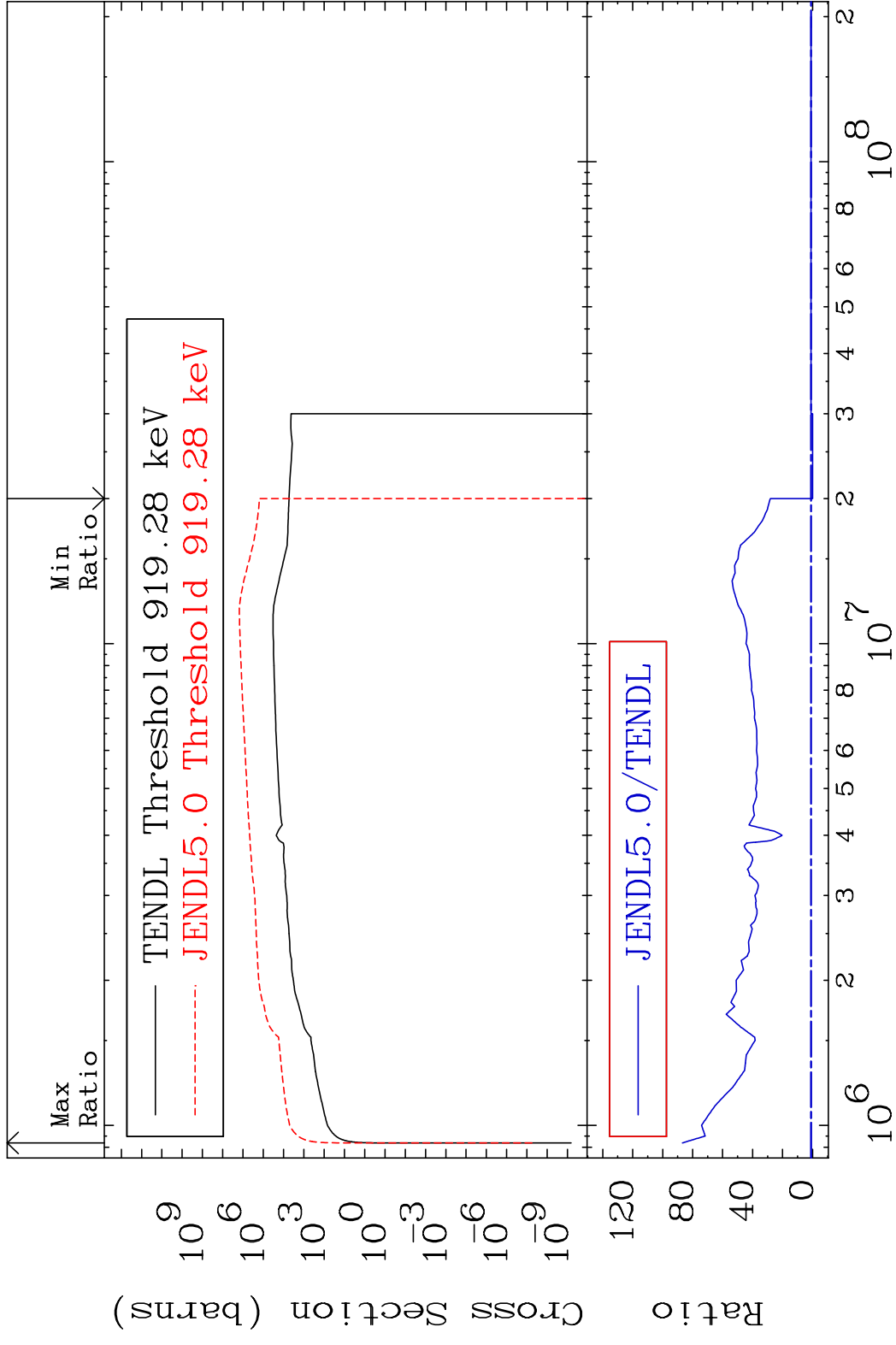
Incident Energy (eV)

39-Y -89

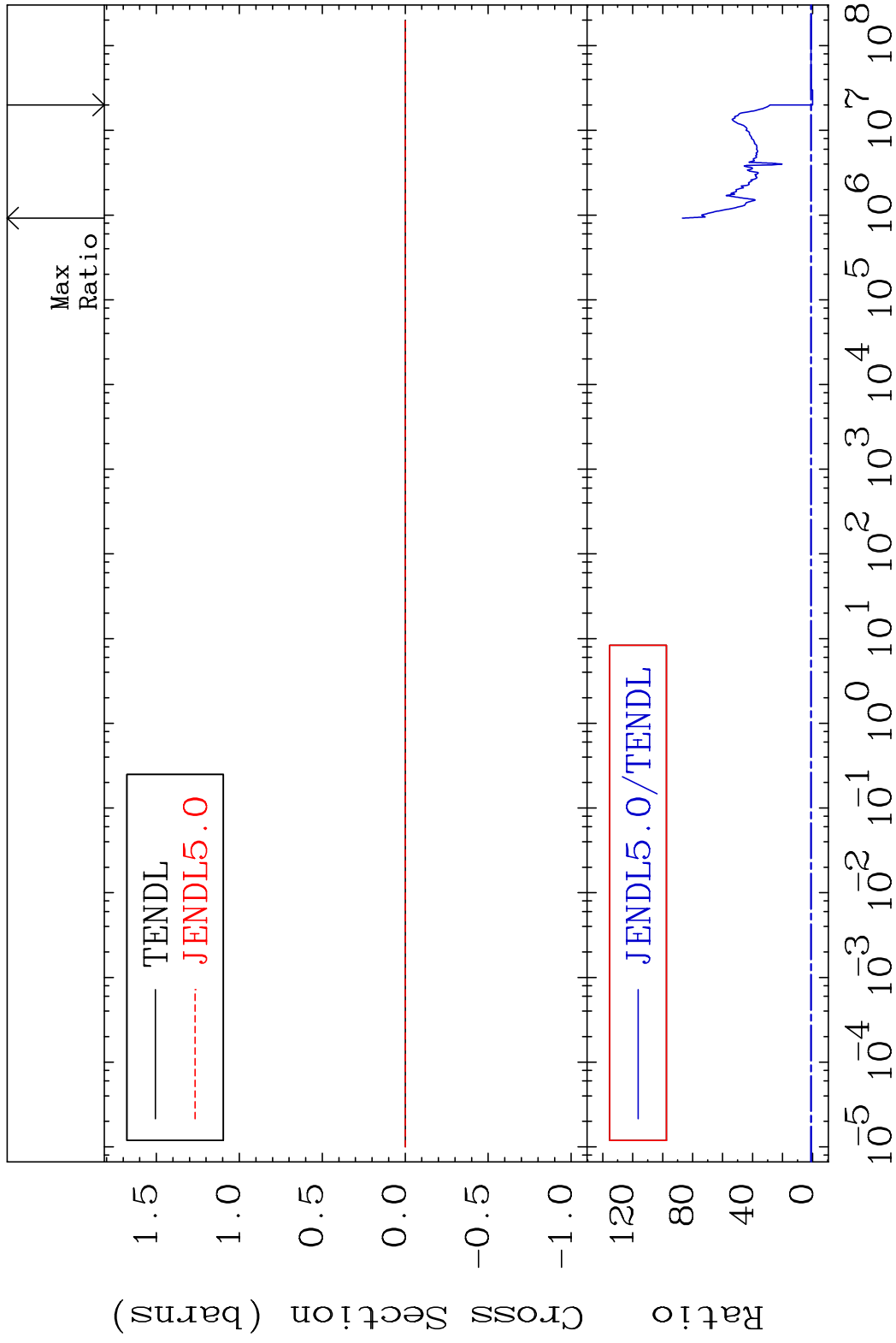
MAT 3925 Kerma non-elastic (all but mt2) 39-Y -89  
Cross Section -9999. To 9999. %



MAT 3925 Kerma inelastic (mt51-91) 39-Y -89  
 Cross Section -100.0 To 8587. %

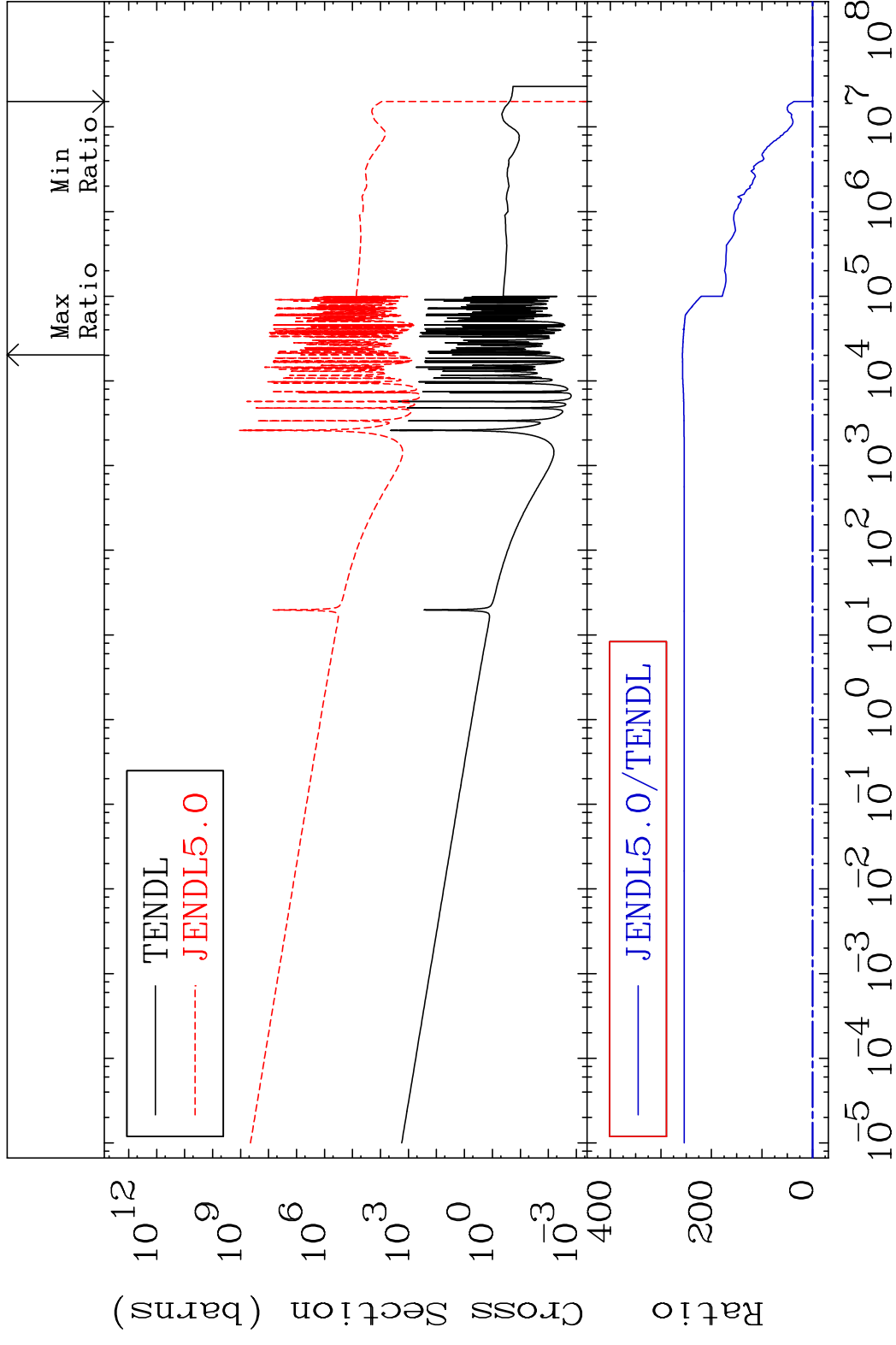


MAT 3925 Kerma fission (mt18 or mt19-20-21-38) 39-Y -89  
 Cross Section -100.0 To 8587. %



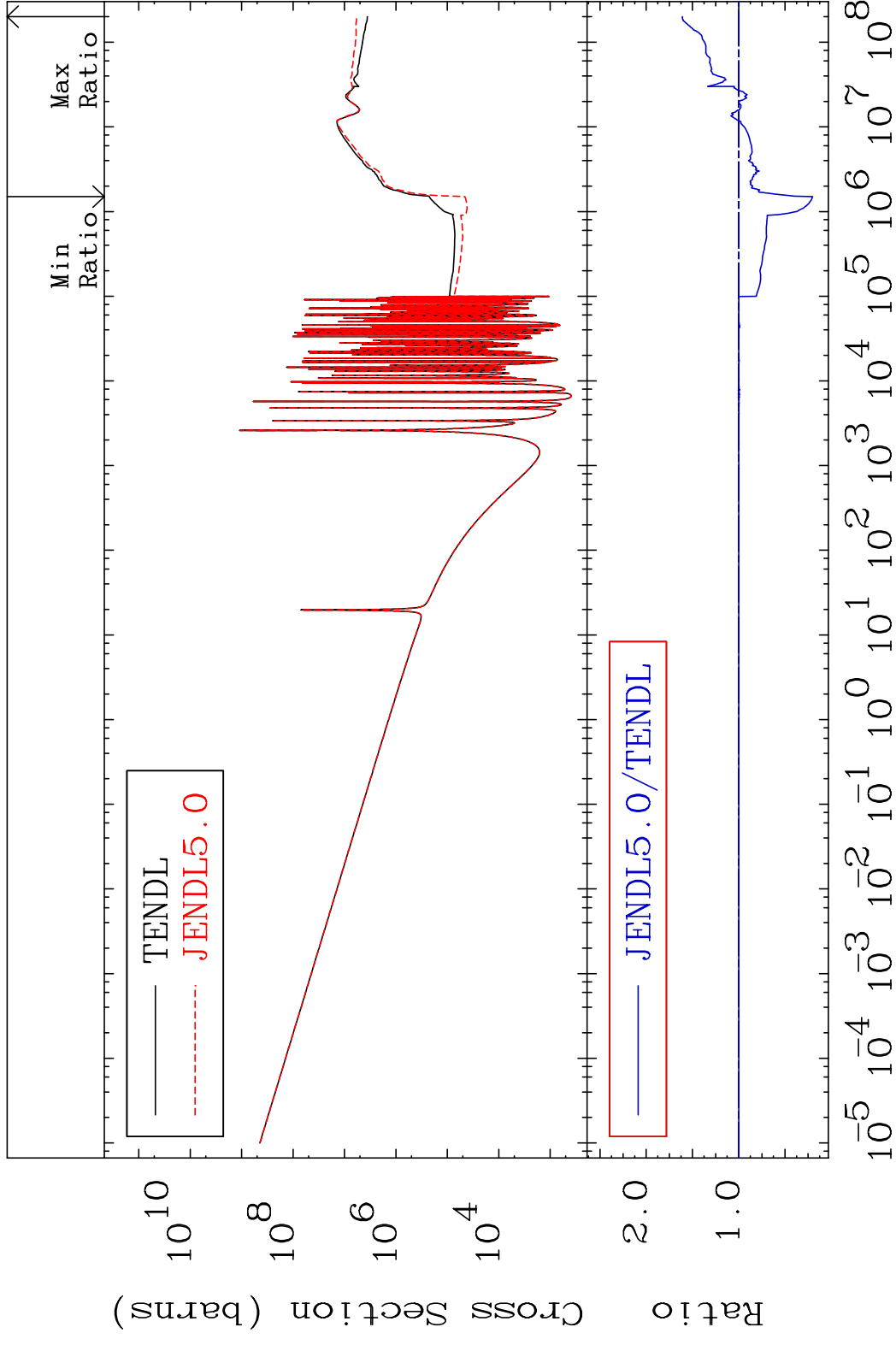


MAT 3925 Kerma capture (mt102) 39-Y -89  
 Cross Section -100.0 To 9999. %



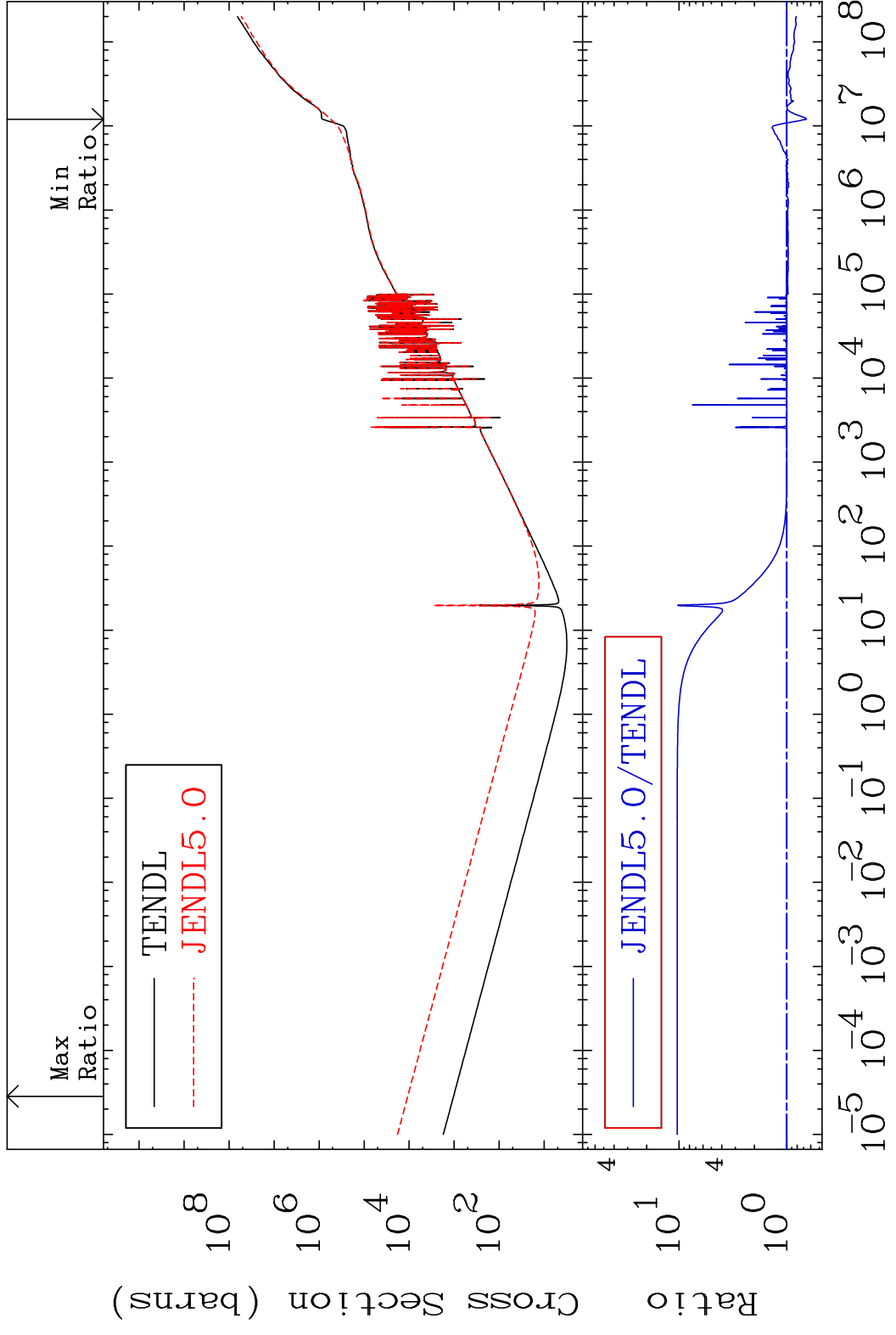
56 Incident Energy (eV) 39-Y -89

MAT 3925 Total photon (eV-barns) 39-Y -89  
 Cross Section -79.77 To 60.96 %

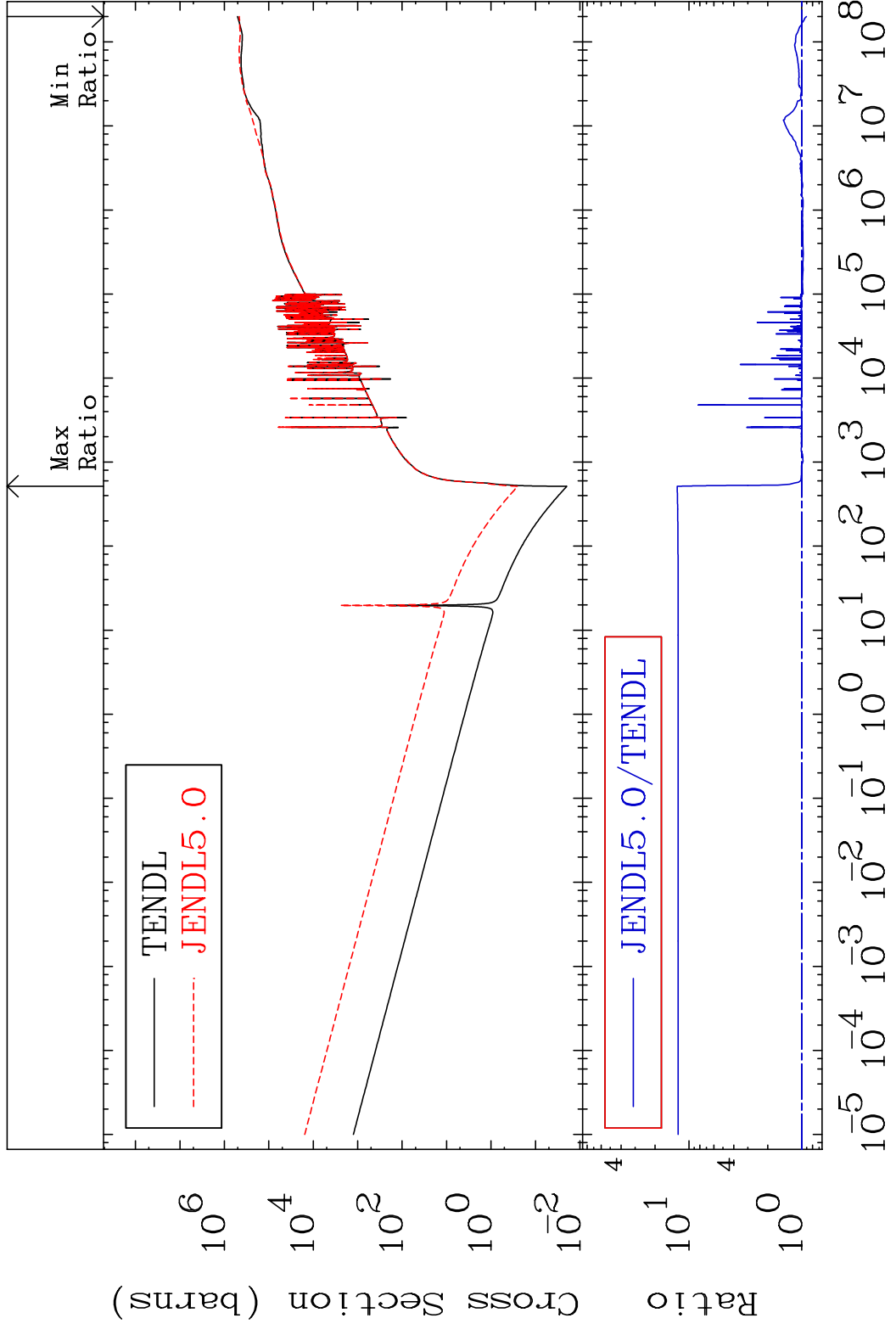


57 Incident Energy (eV) 39-Y -89

MAT 3925 Total kinematic kerma (high limit) 39-Y -89  
 Cross Section -34.19 To 939.9 %



MAT 3925      Dpa total (eV-barns)      39-Y -89  
 Cross Section      -9.342 To 1172. %

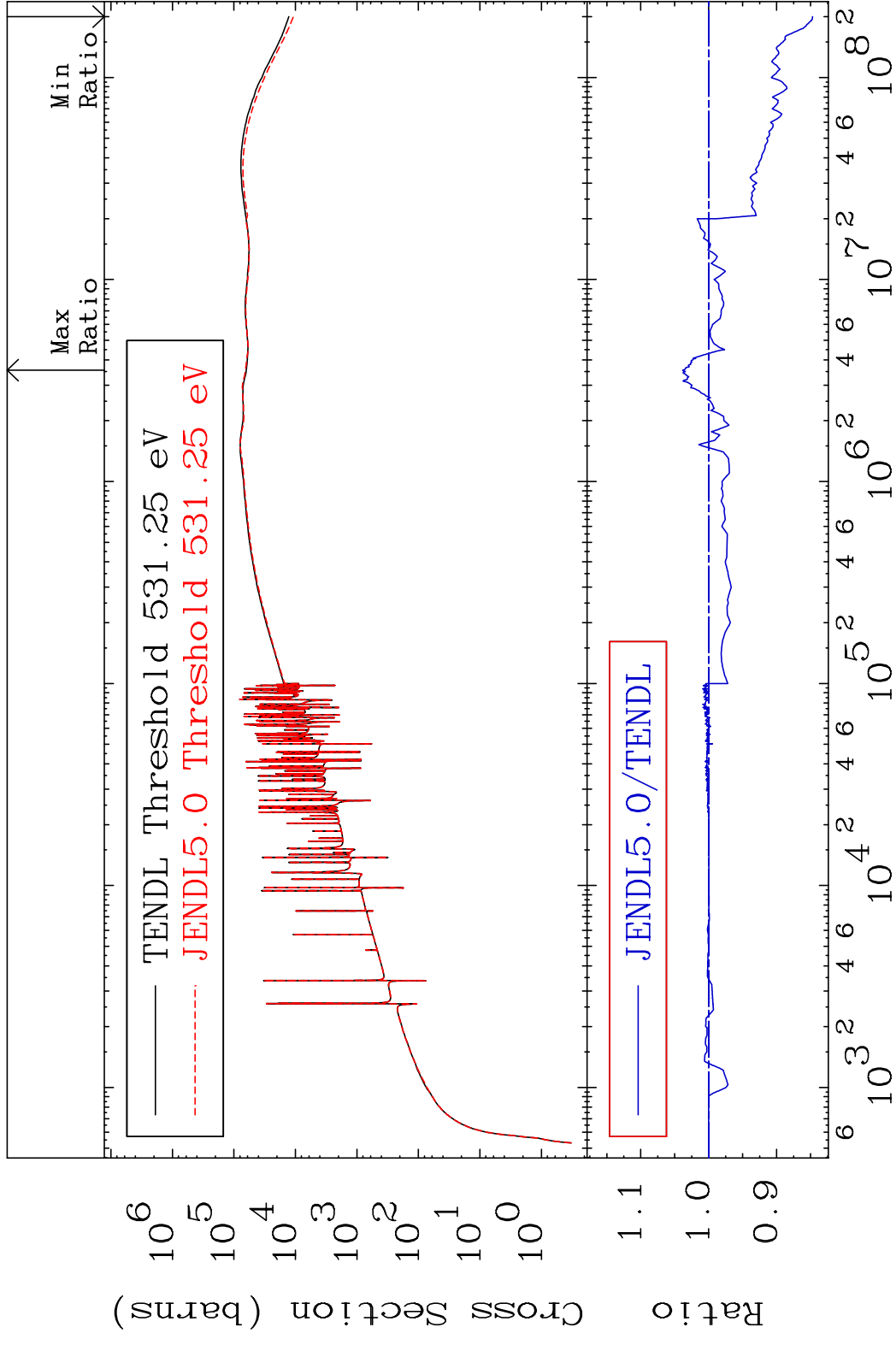


MAT 3925

Dpa elastic (mt2)

39-Y -89

Cross Section -15.29 To 3.876 %

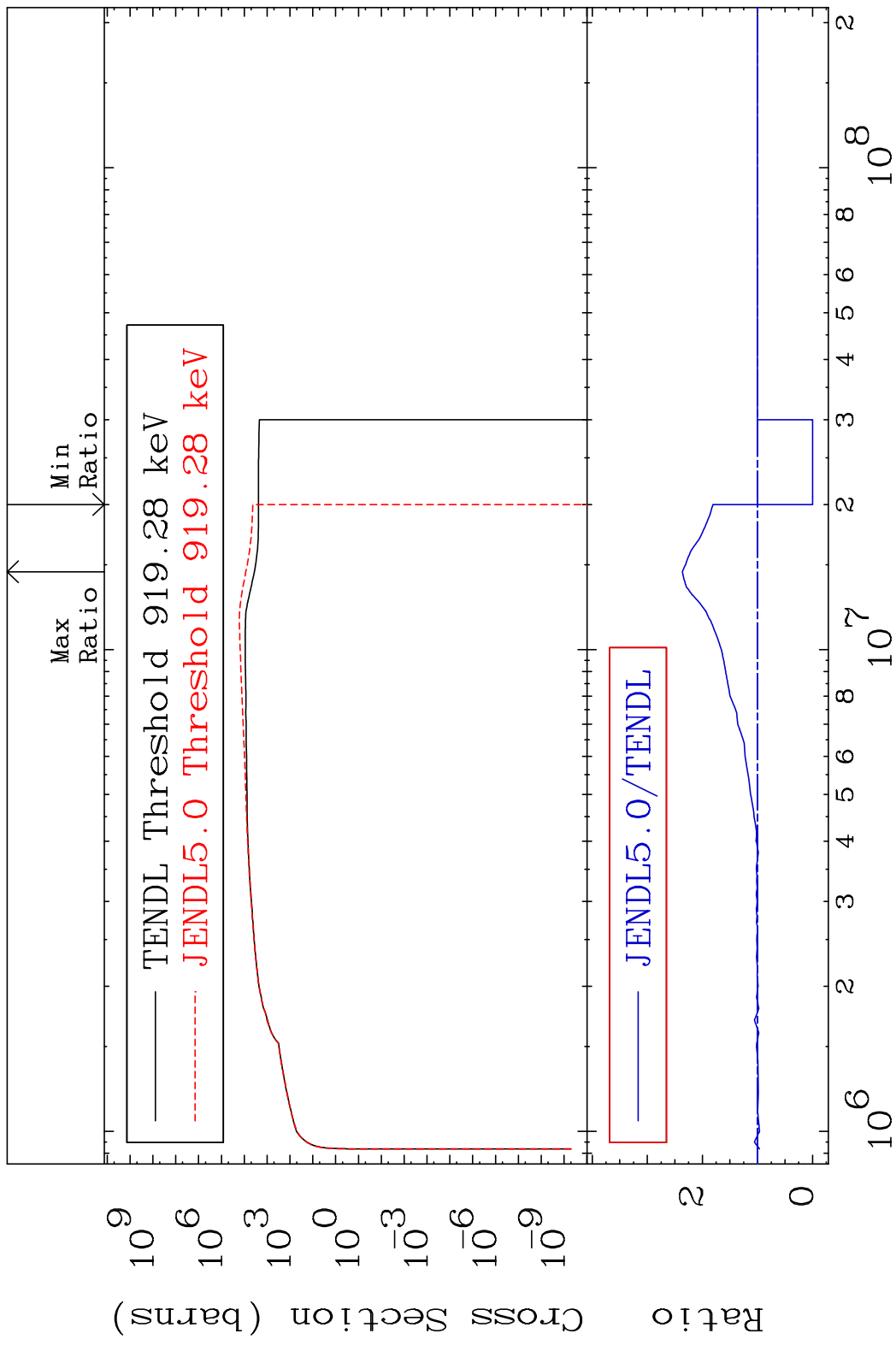


60

Incident Energy (eV)

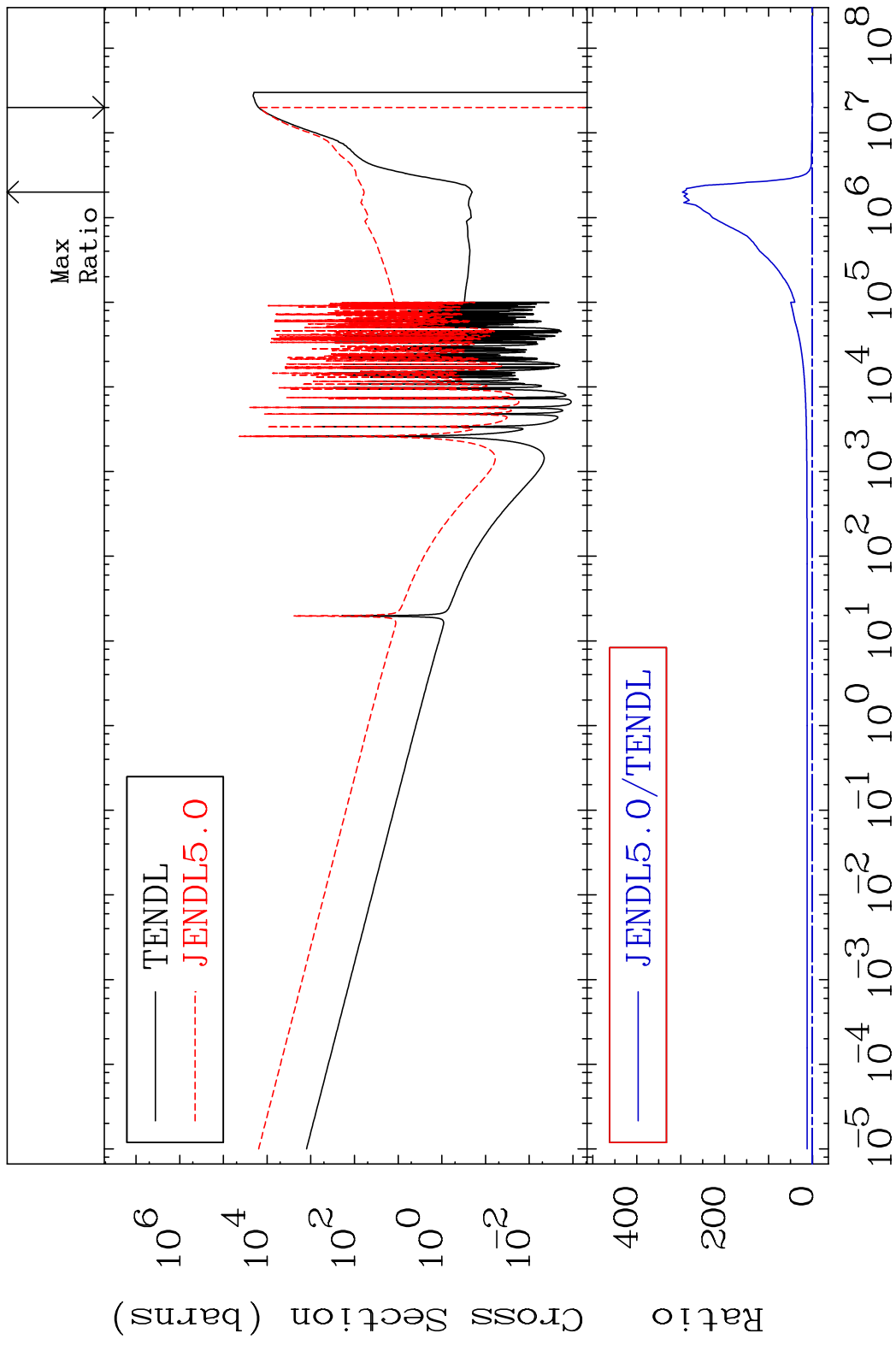
39-Y -89

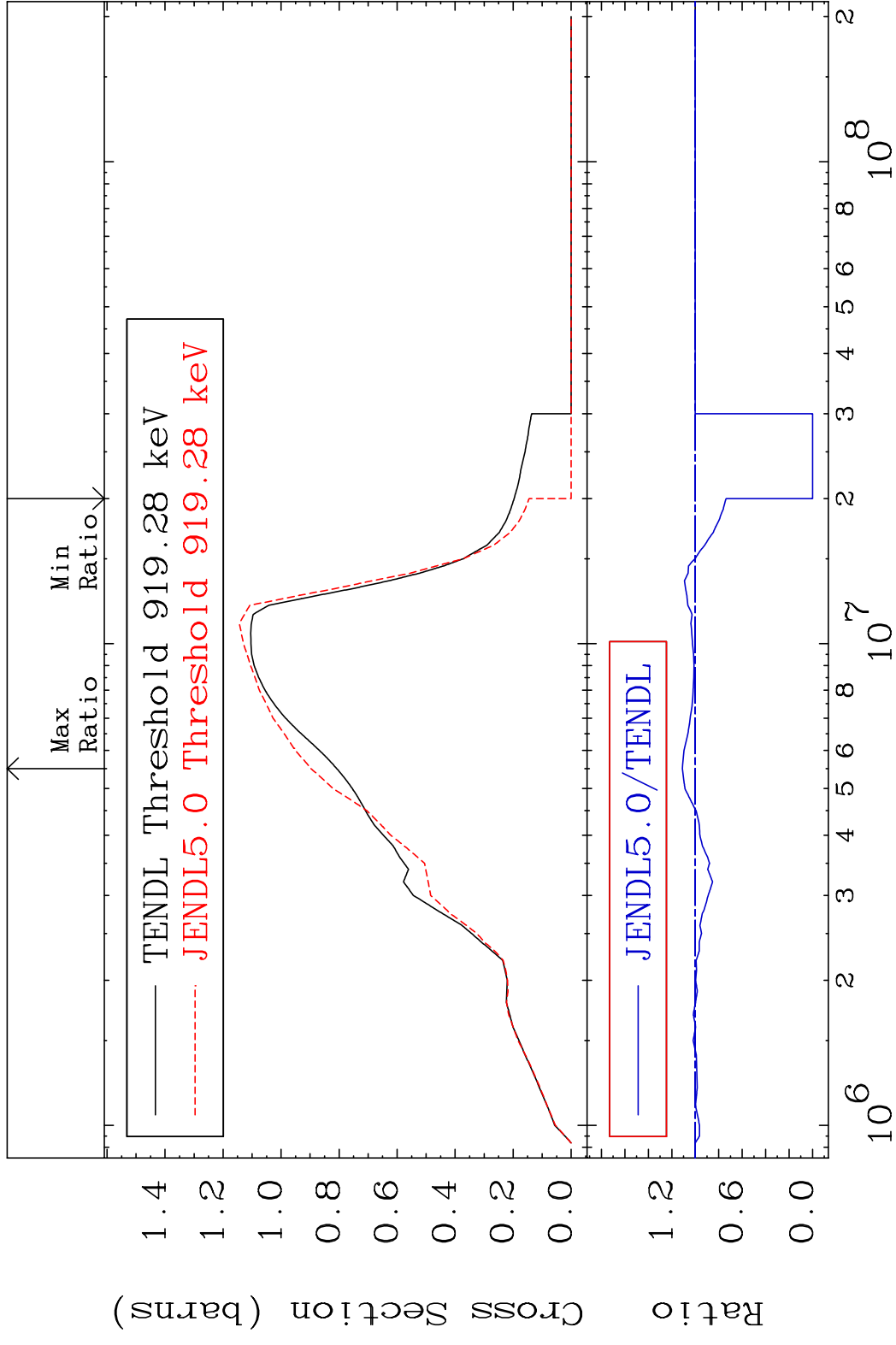
MAT 3925 Dpa inelastic (mt51-91) 39-Y -89  
 Cross Section -100.0 To 136.4 %



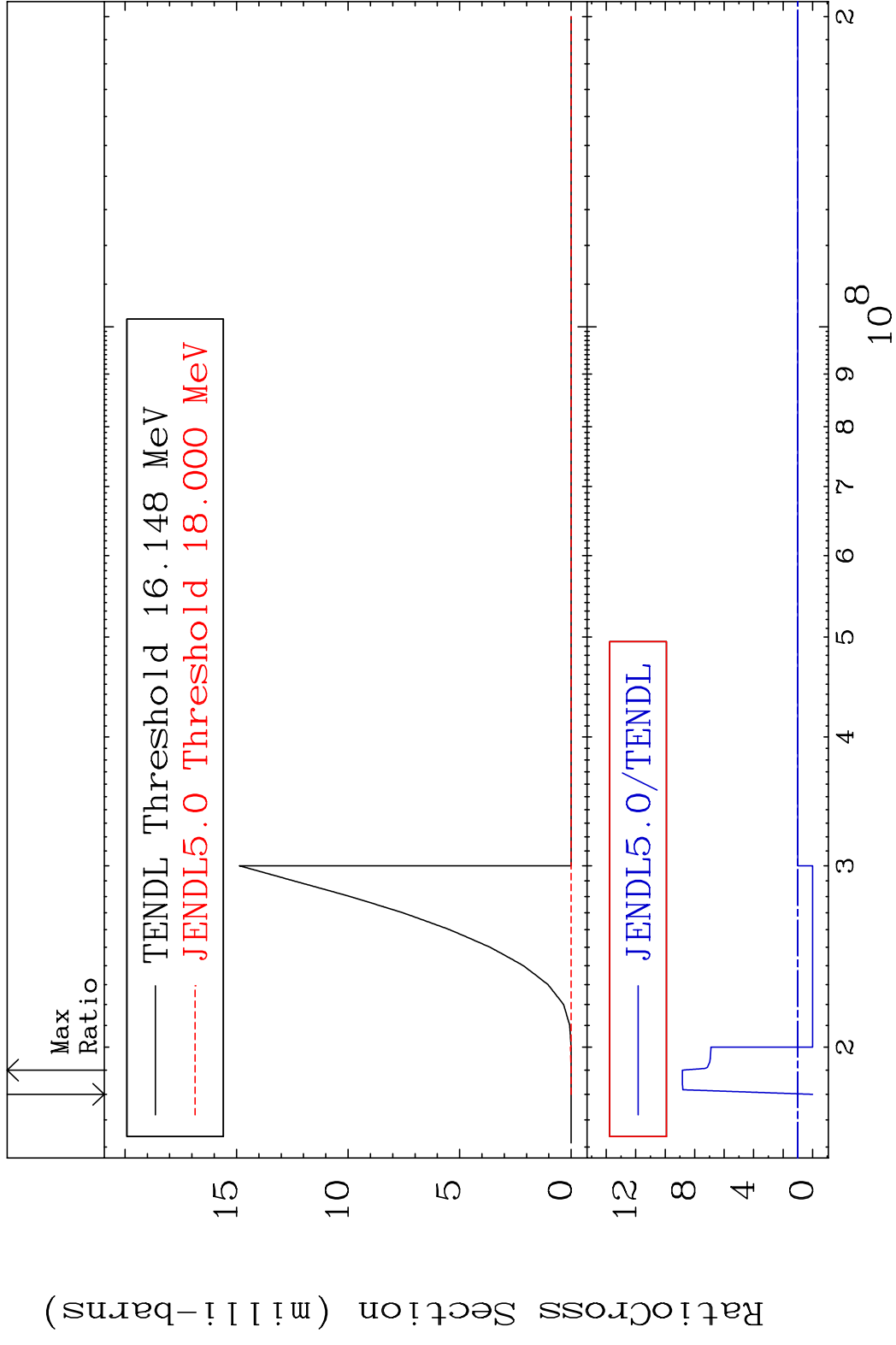
61 Incident Energy (eV) 39-Y -89

MAT 3925 Dpa disappearance (mt102 -120) 39-Y -89  
Cross Section -100.0 To 9999. %

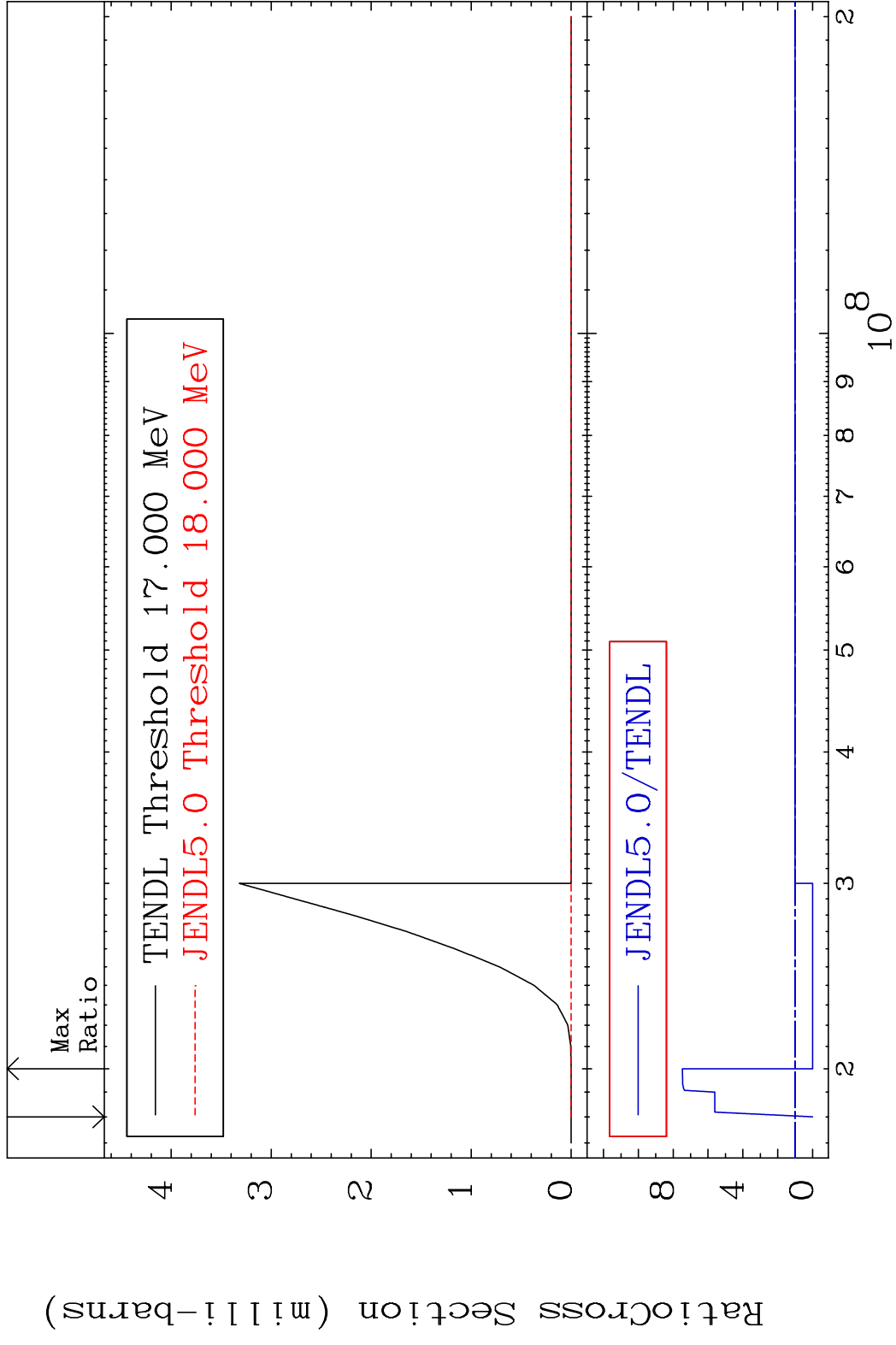


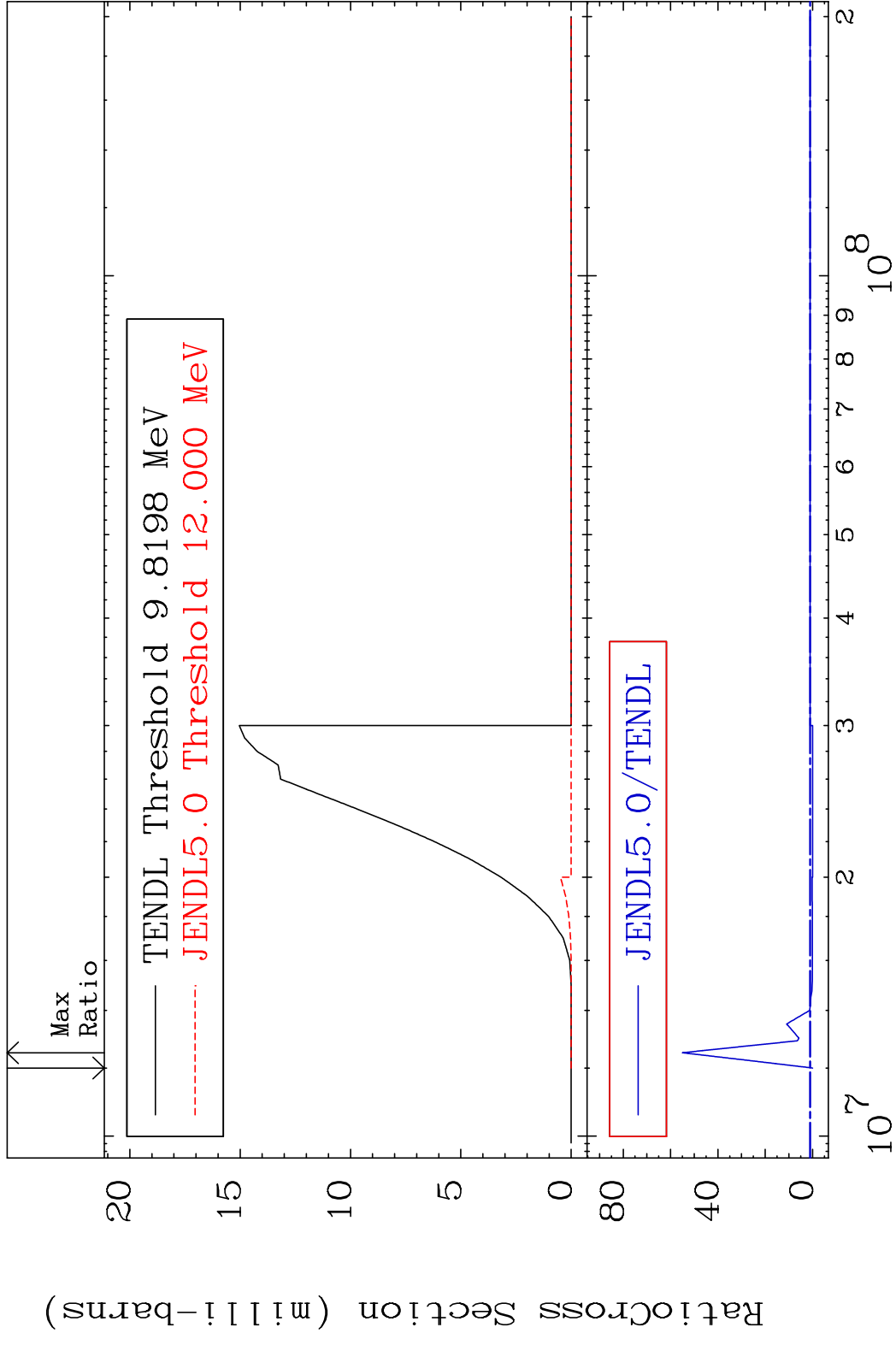






MAT 3925 (n, n') d:38-Sr-87m1 39-Y -89  
 Radionuclide Production Cross Section 647.4 %





MAT 3925 (n, t):38-Sr-87m1 39-Y -89  
 Radionuclide Production Cross Section 180.0 mb to 2702. %

