

Program Complot  
(Version 2021-1)

by

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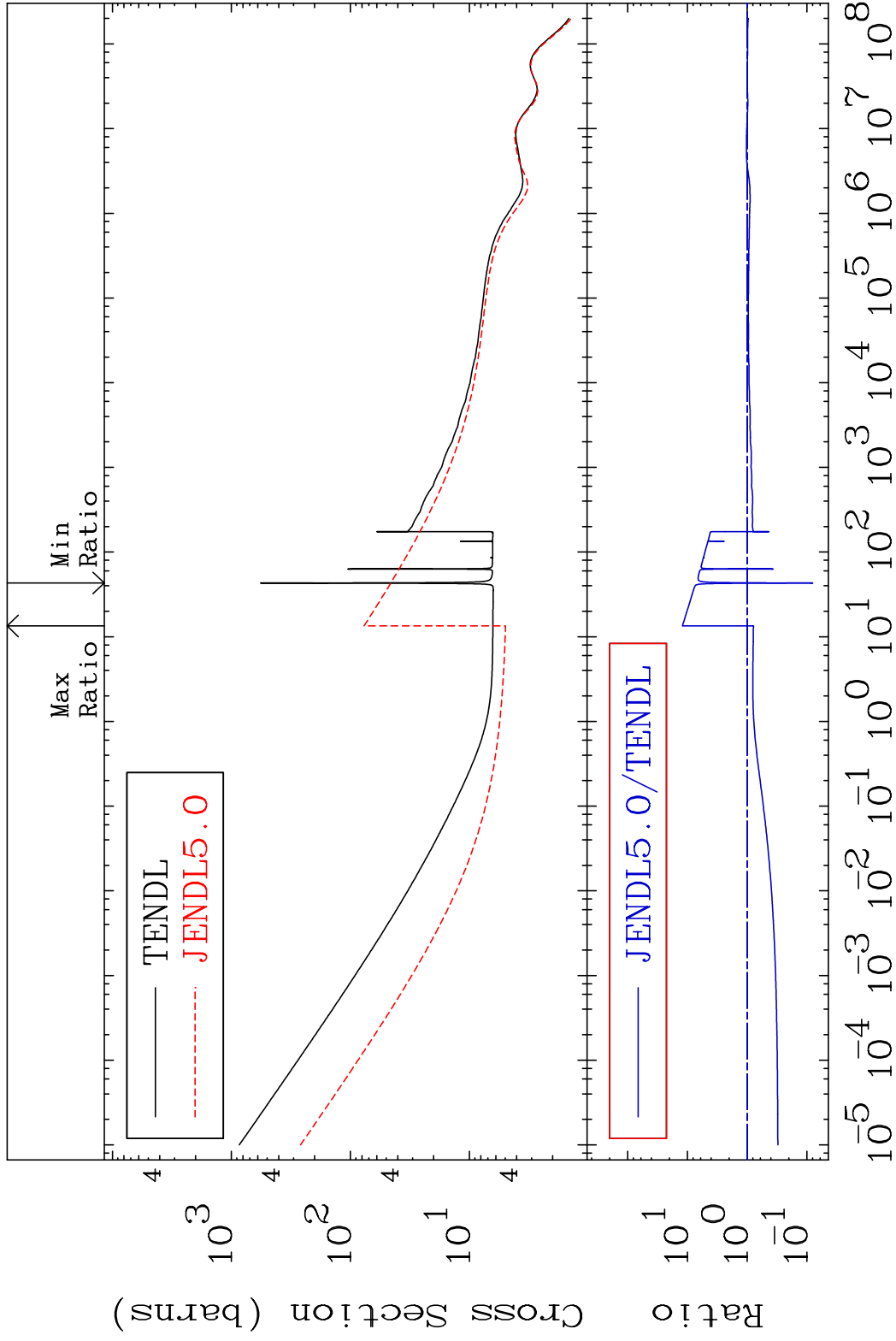
Press Mouse Button to Start

MAT 3534

Total

35-Br-82

Cross Section -91.97 To 1111. %



1

Incident Energy (eV)

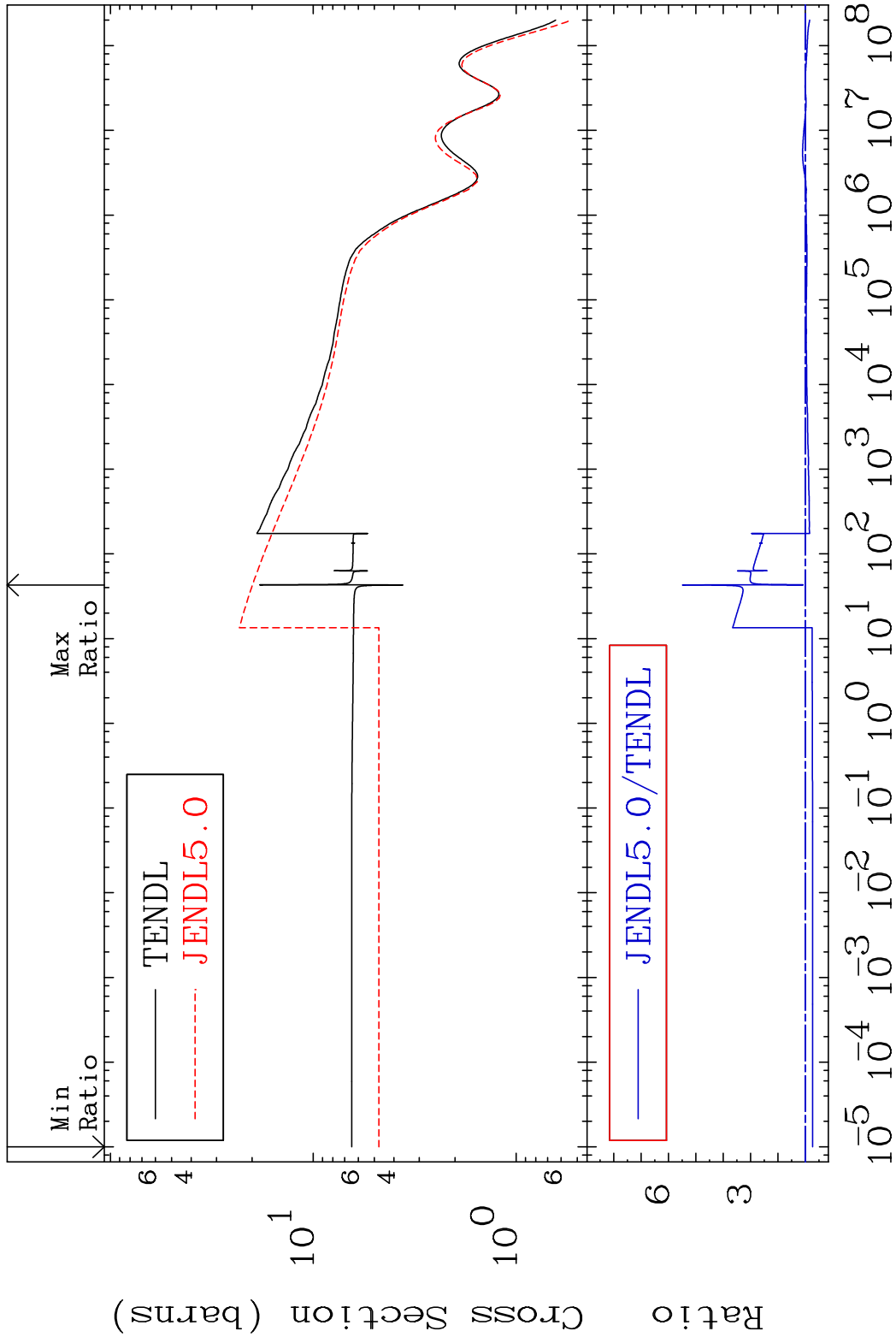
35-Br-82

MAT 3534

Elastic

35-Br-82

Cross Section -26.67 To 449.4 %

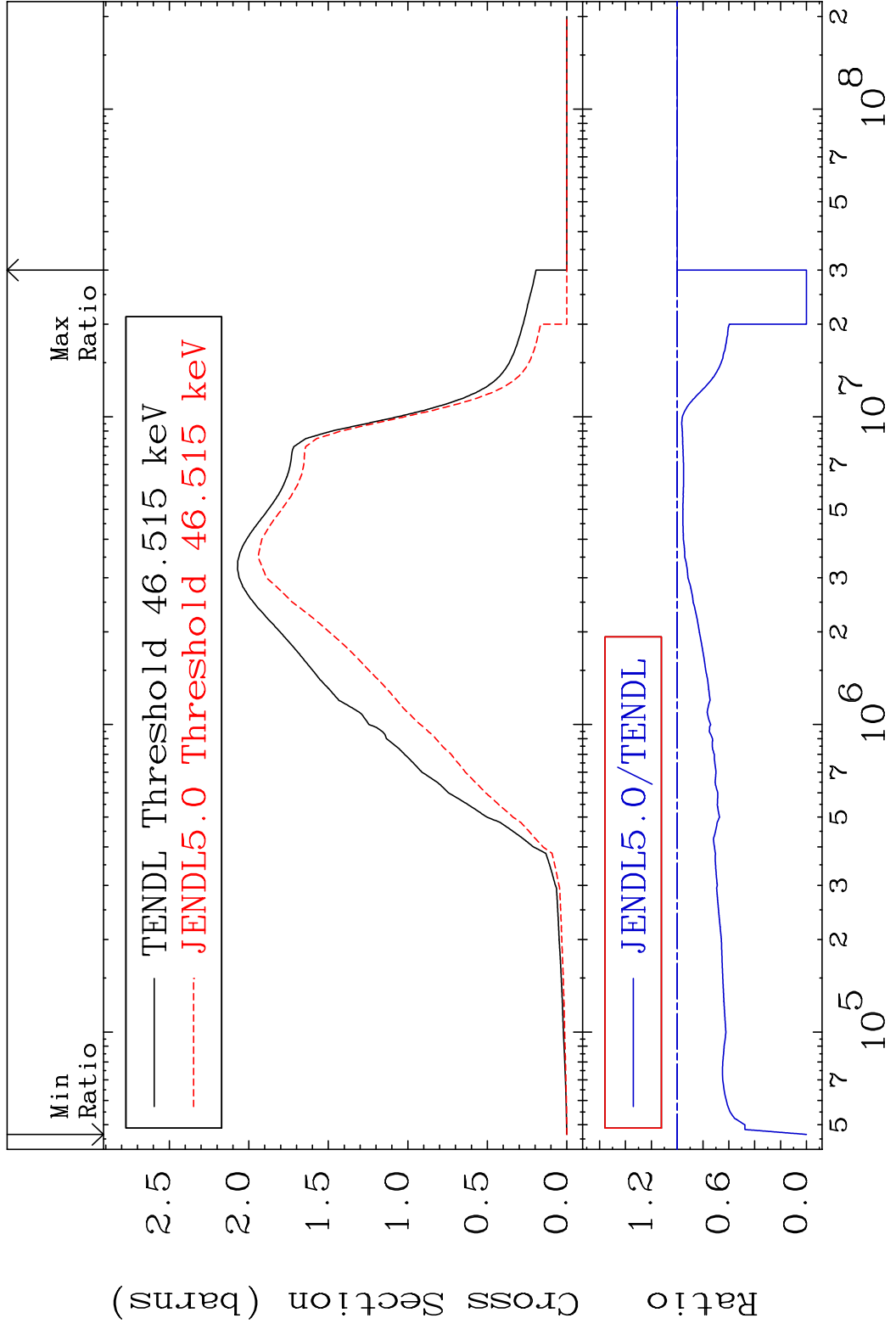


2

Incident Energy (eV)

35-Br-82

MAT 3534 Inelastic Cross Section -100.0 To 0.000 % 35-Br-82

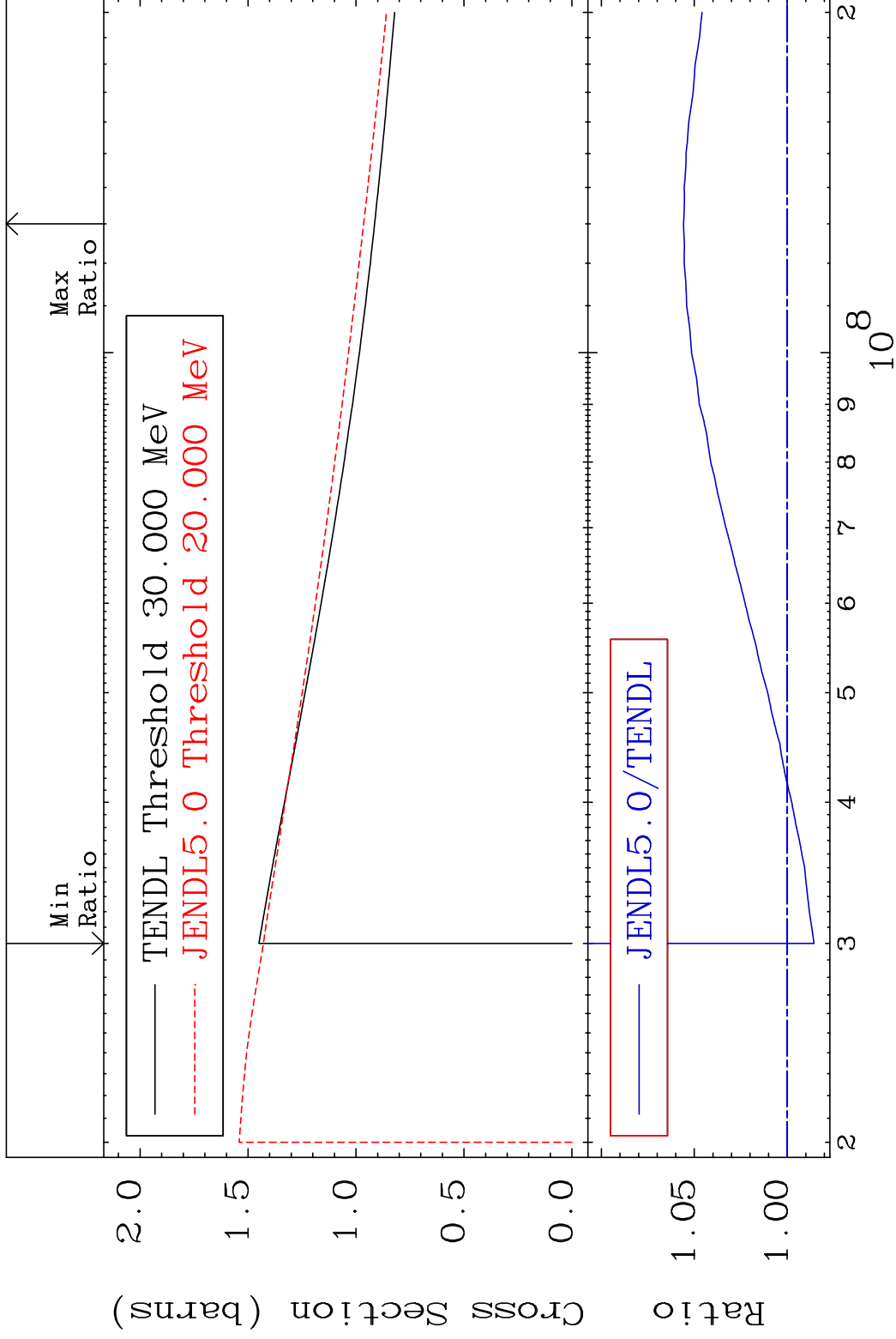


MAT 3534

(n, remainder)

35-Br-82

Cross Section -1.445 To 5.584 %



4

Incident Energy (eV)

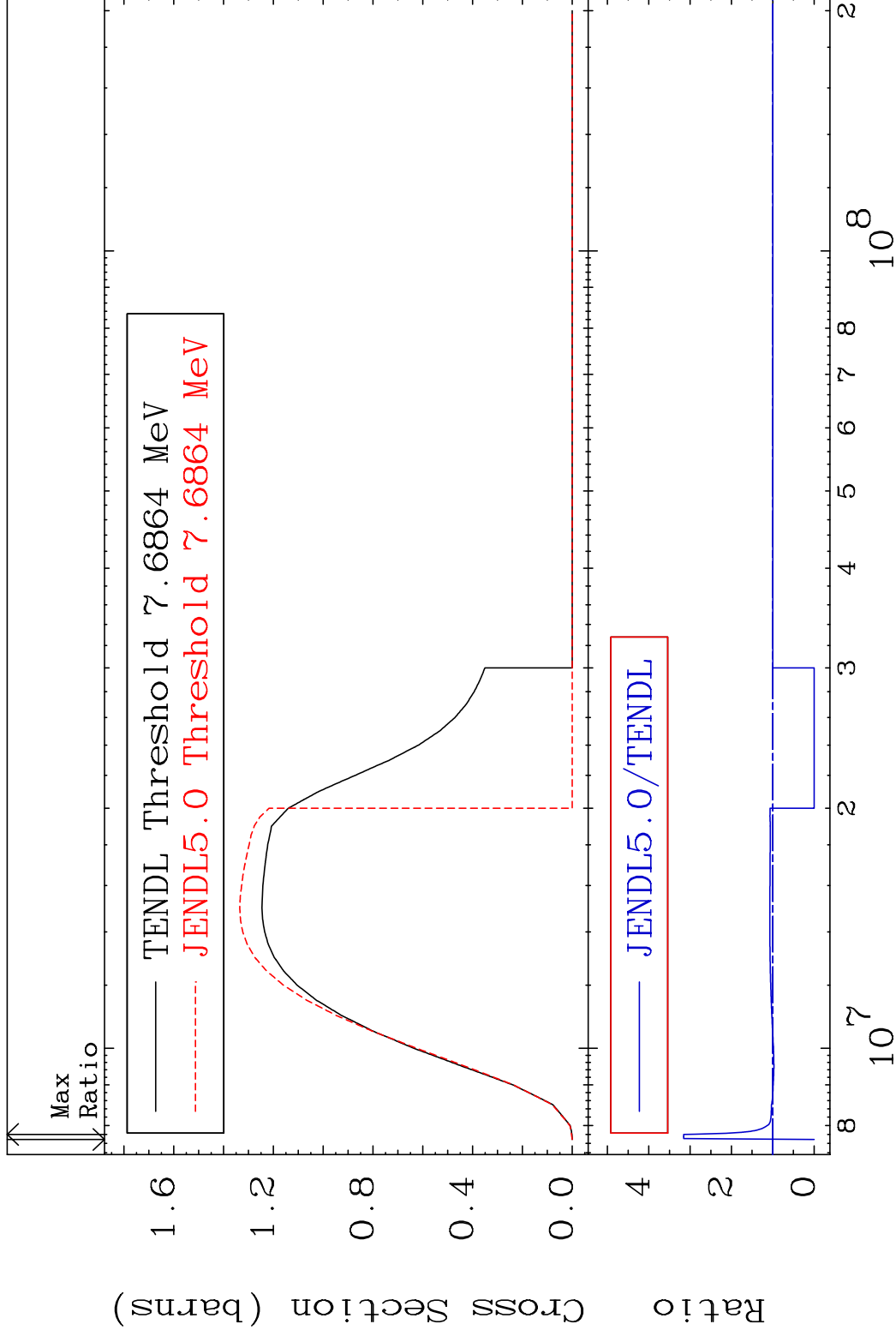
35-Br-82

MAT 3534

(n,2n)

35-Br-82

Cross Section -100.0 To 215.7 %

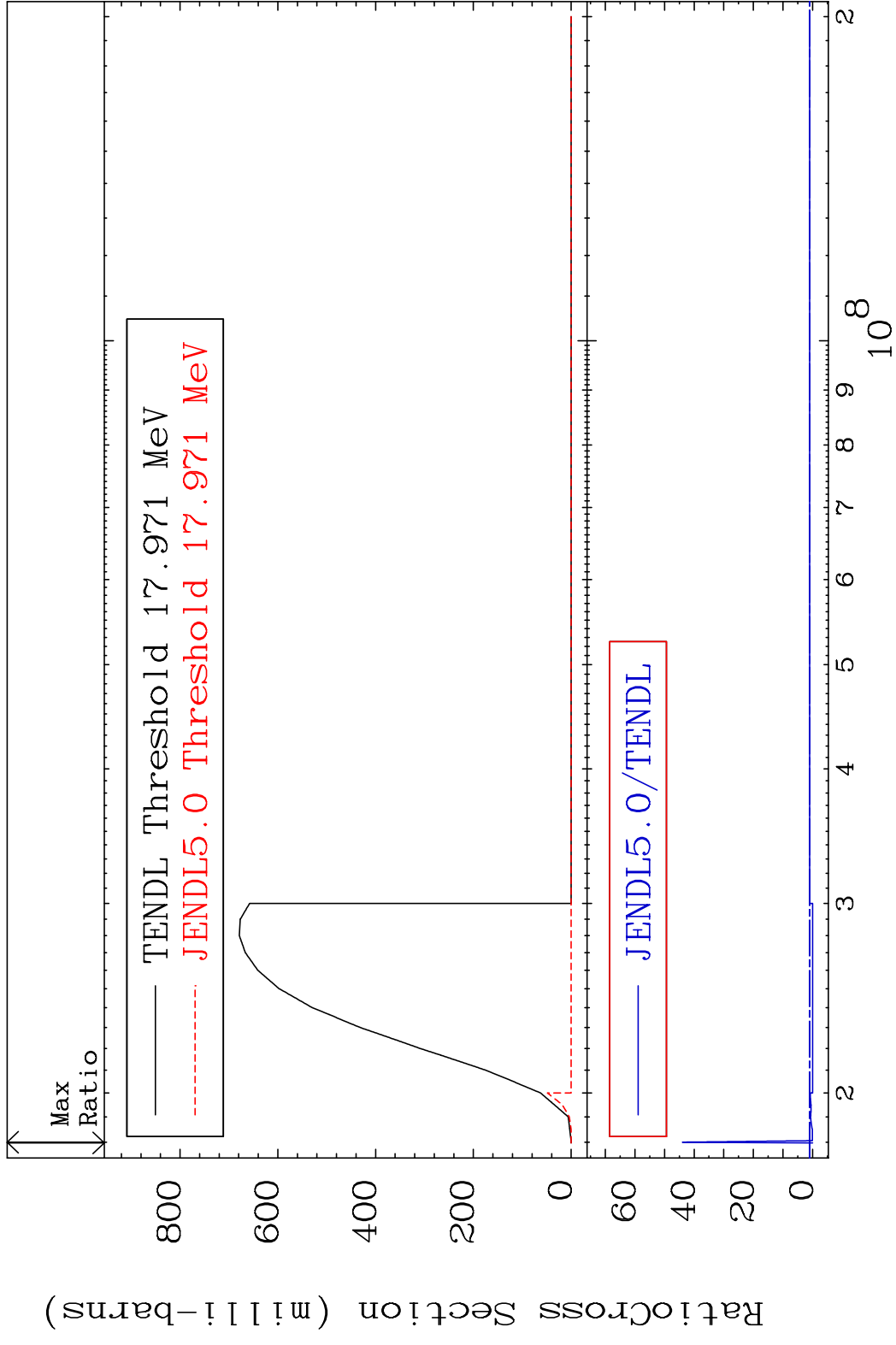


5

Incident Energy (eV)

35-Br-82

MAT 3534 (n,3n) 35-Br-82  
 Cross Section -100.0 To 4299. %

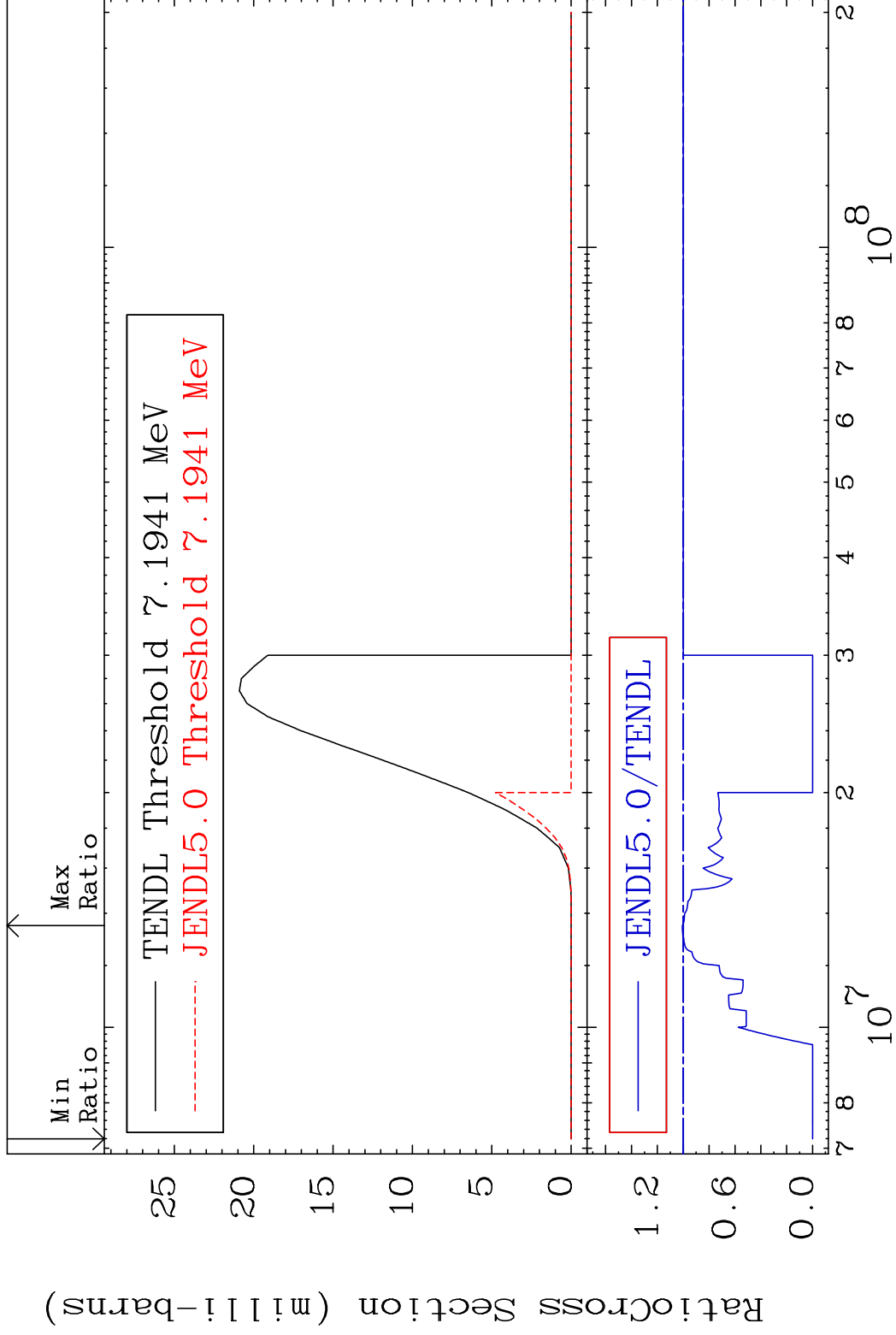


MAT 3534

(n, n')  $\alpha$

35-Br-82

Cross Section -100.0 To 0.671 %



7

Incident Energy (eV)

35-Br-82

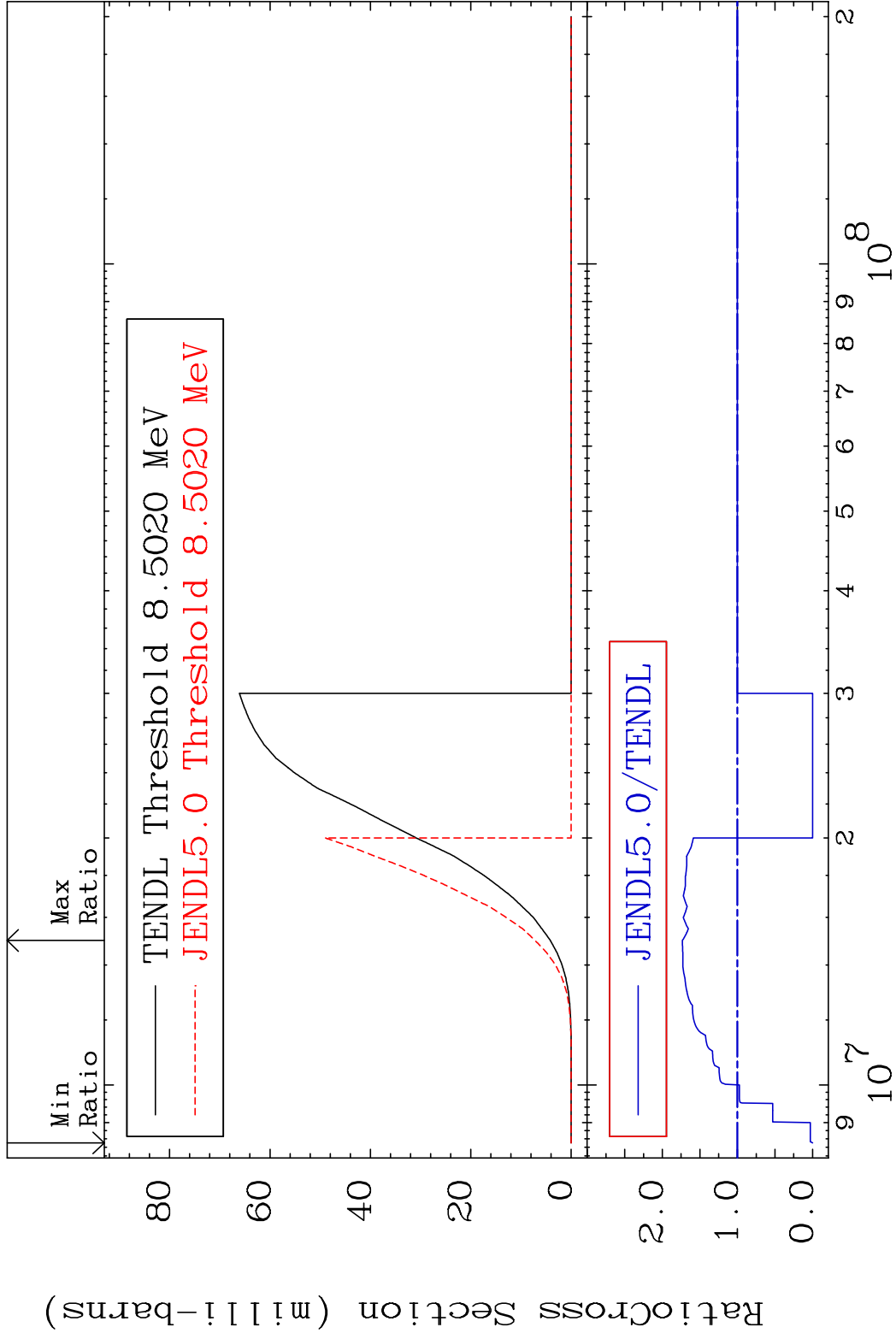


MAT 3534

(n, n') p

35-Br-82

Cross Section -100.0 To 73.36 %

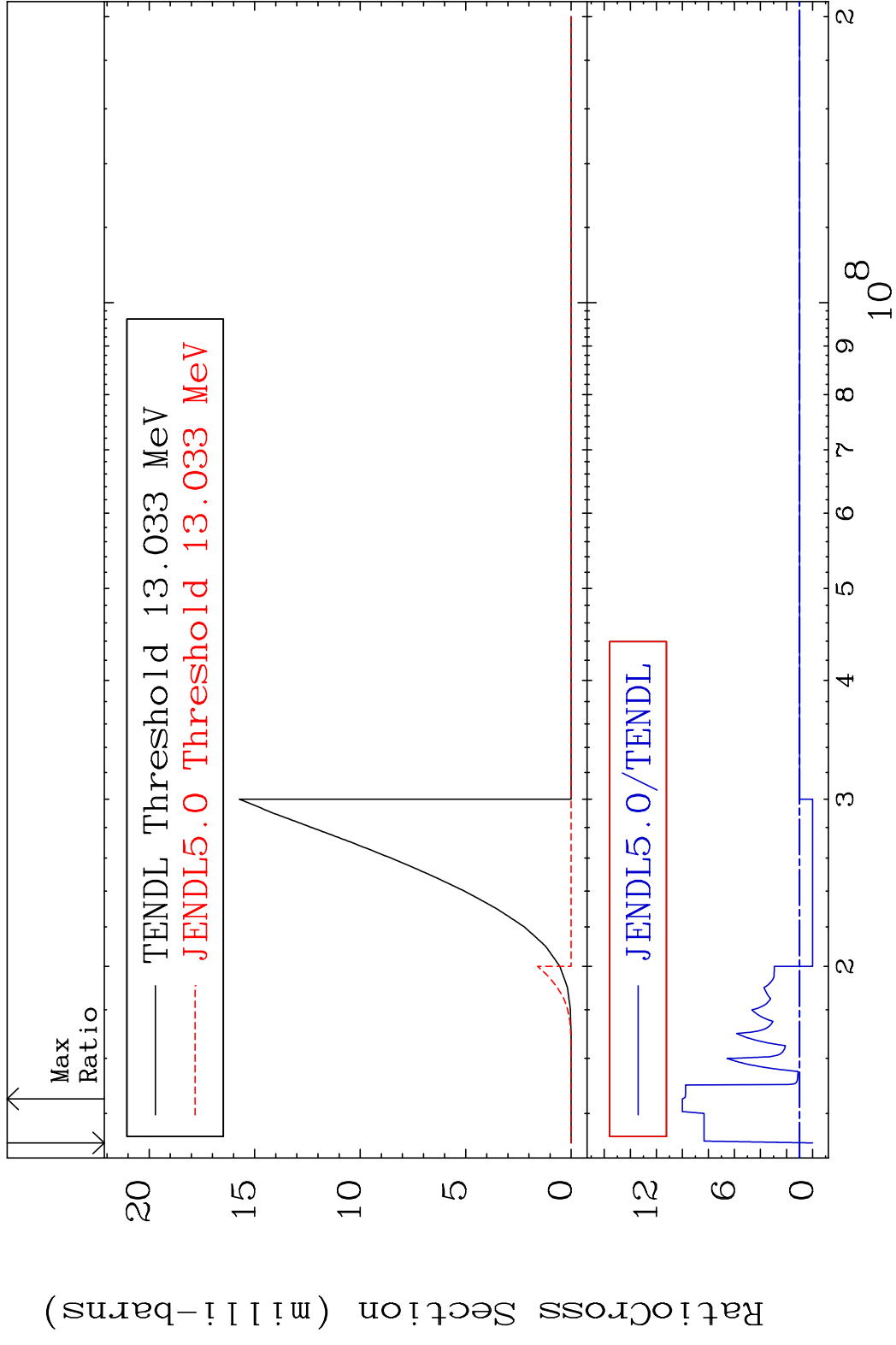


8

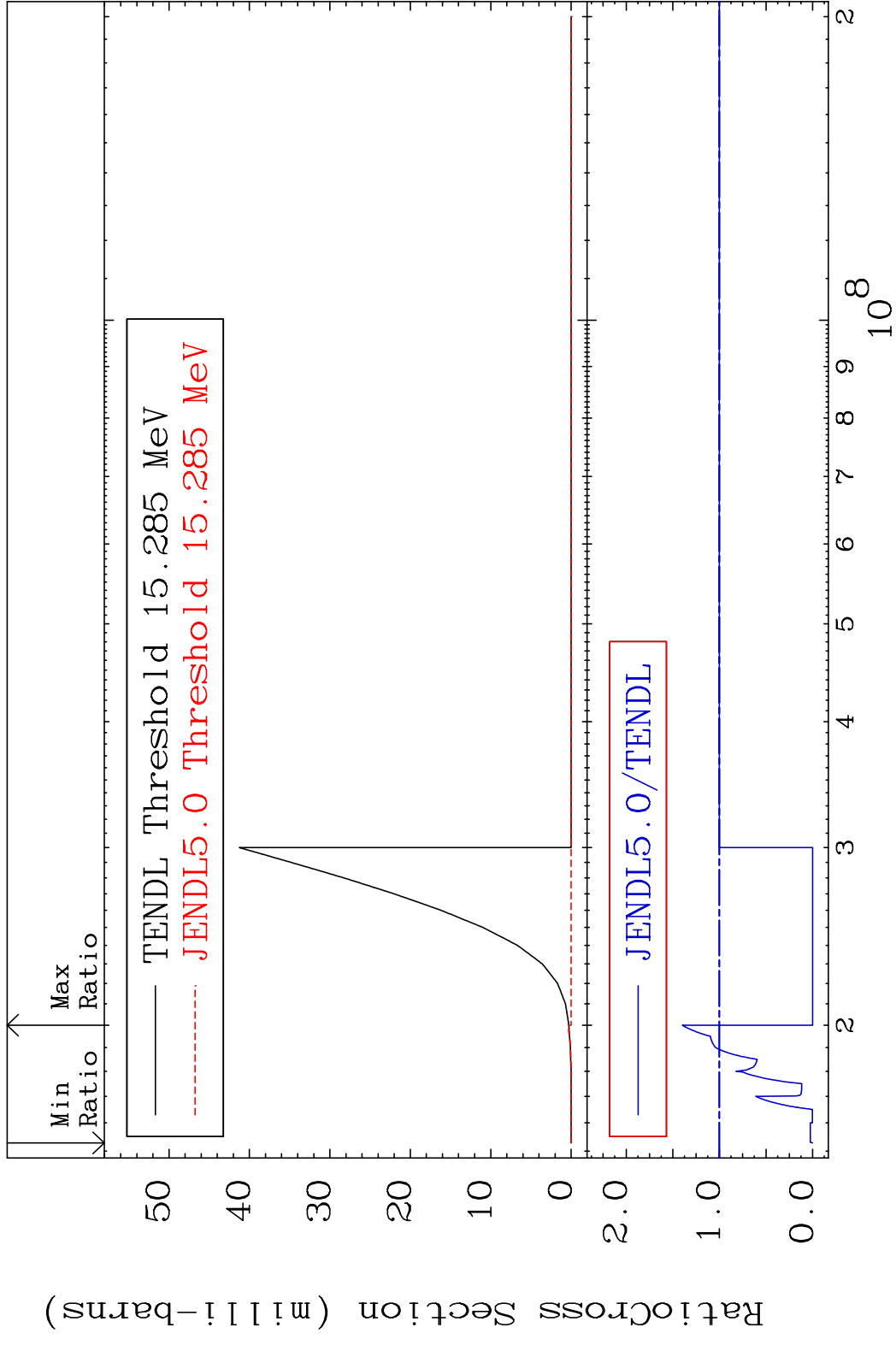
Incident Energy (eV)

35-Br-82

MAT 3534 (n, n') d 35-Br-82  
 Cross Section -100.0 To 900.2 %

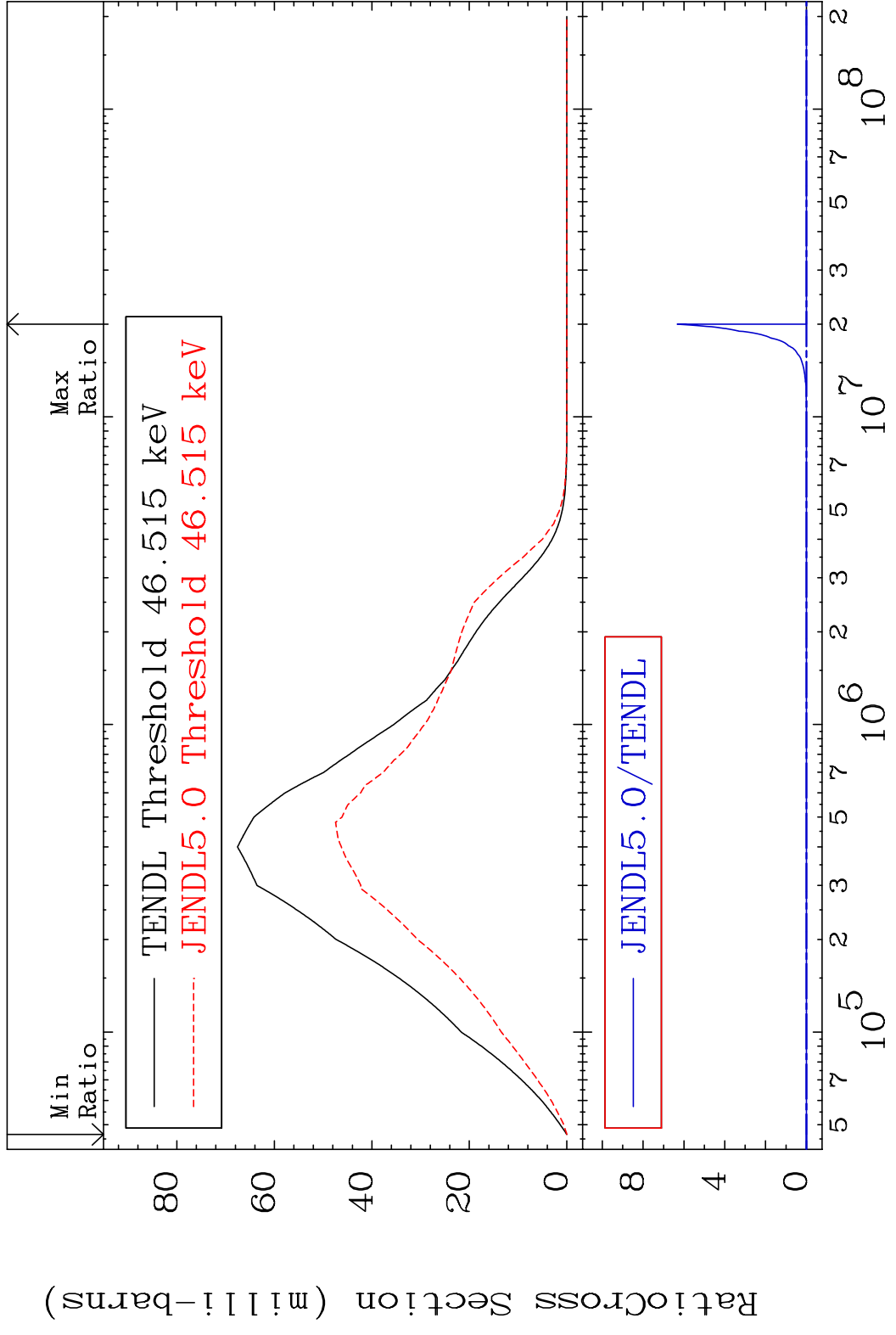


MAT 3534 (n,2n) p 35-Br-82  
 Cross Section -100.0 To 39.76 %

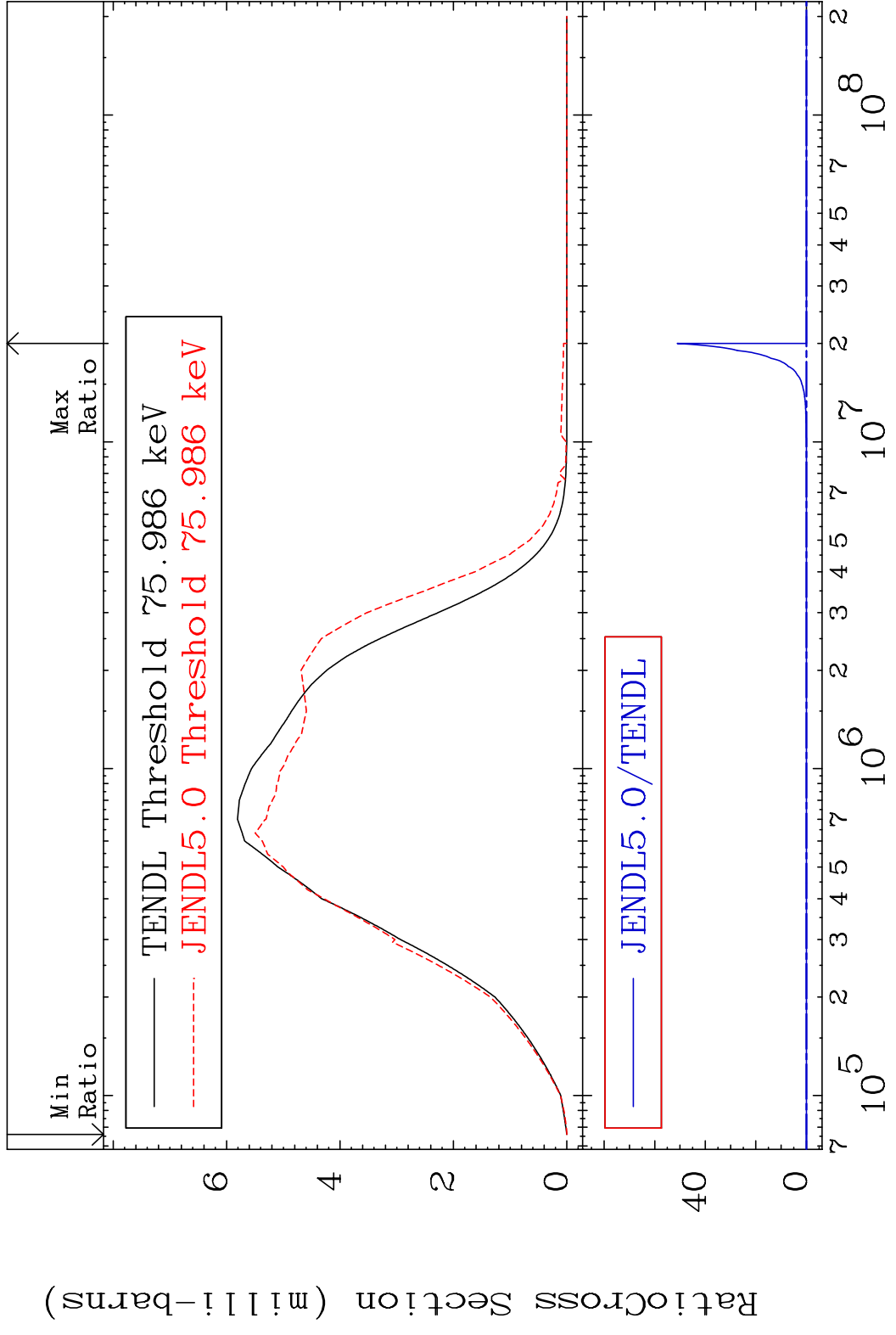


10 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 51 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

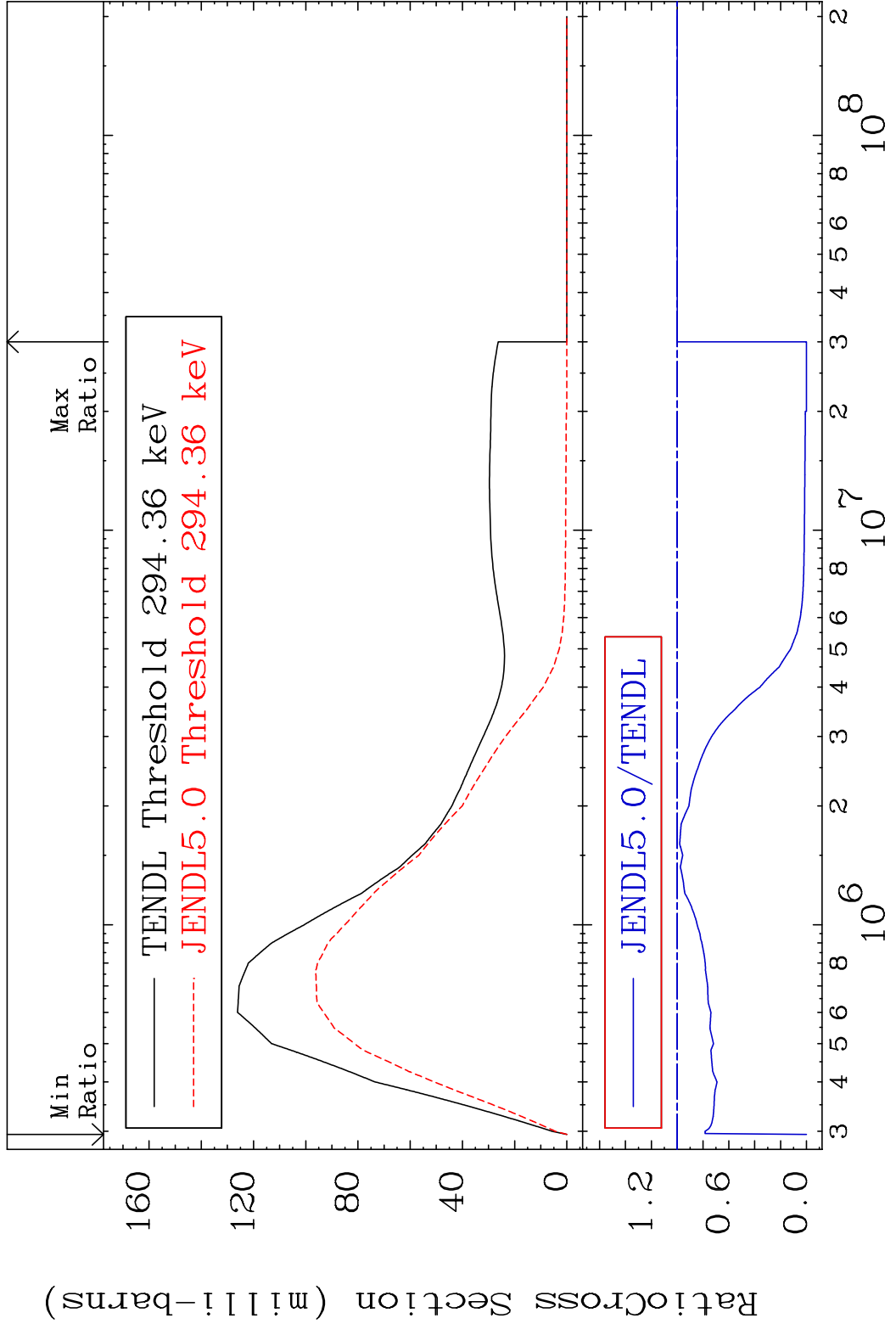


MAT 3534 MT= 52 (n,n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

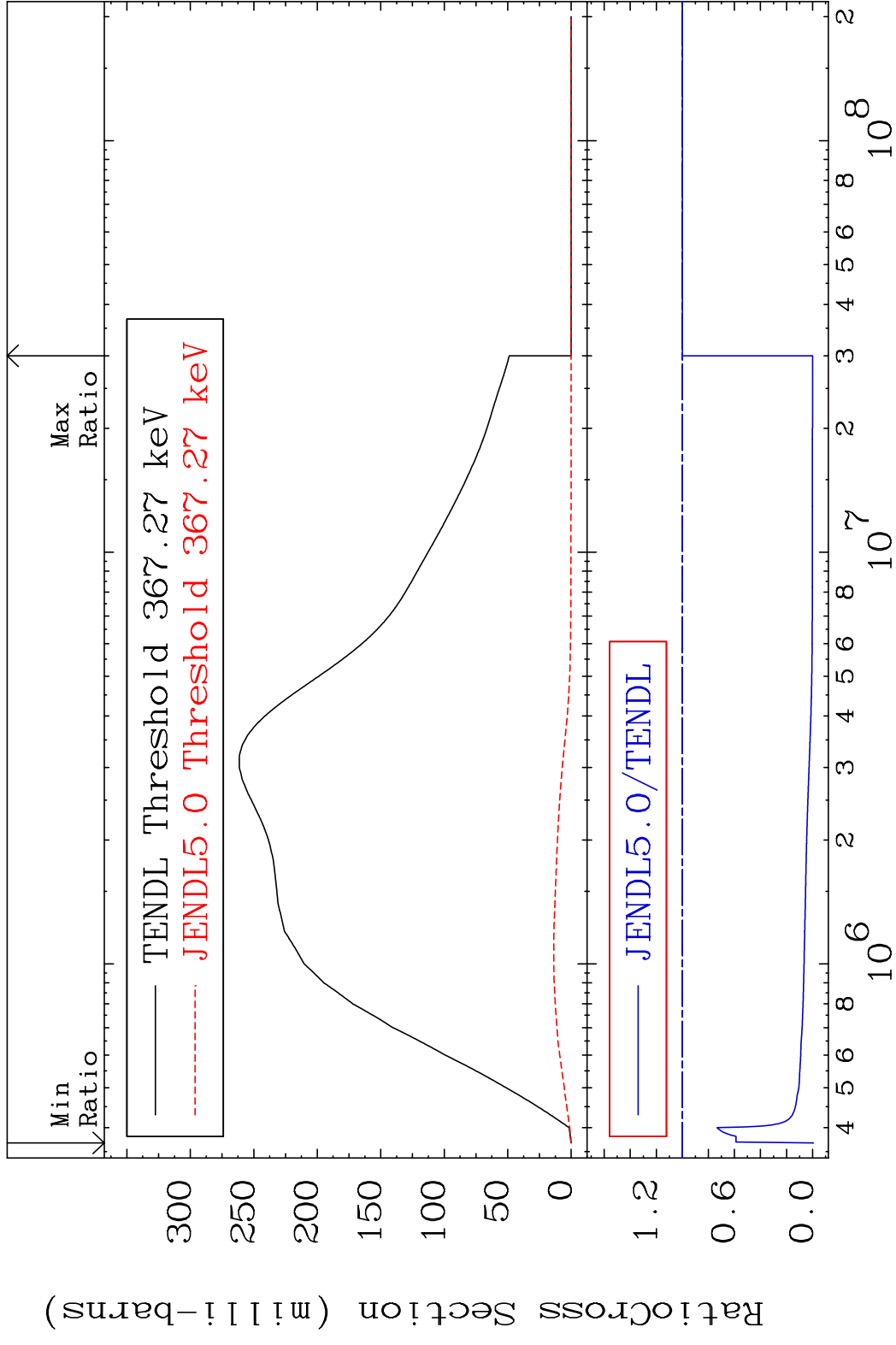


12 35-Br-82

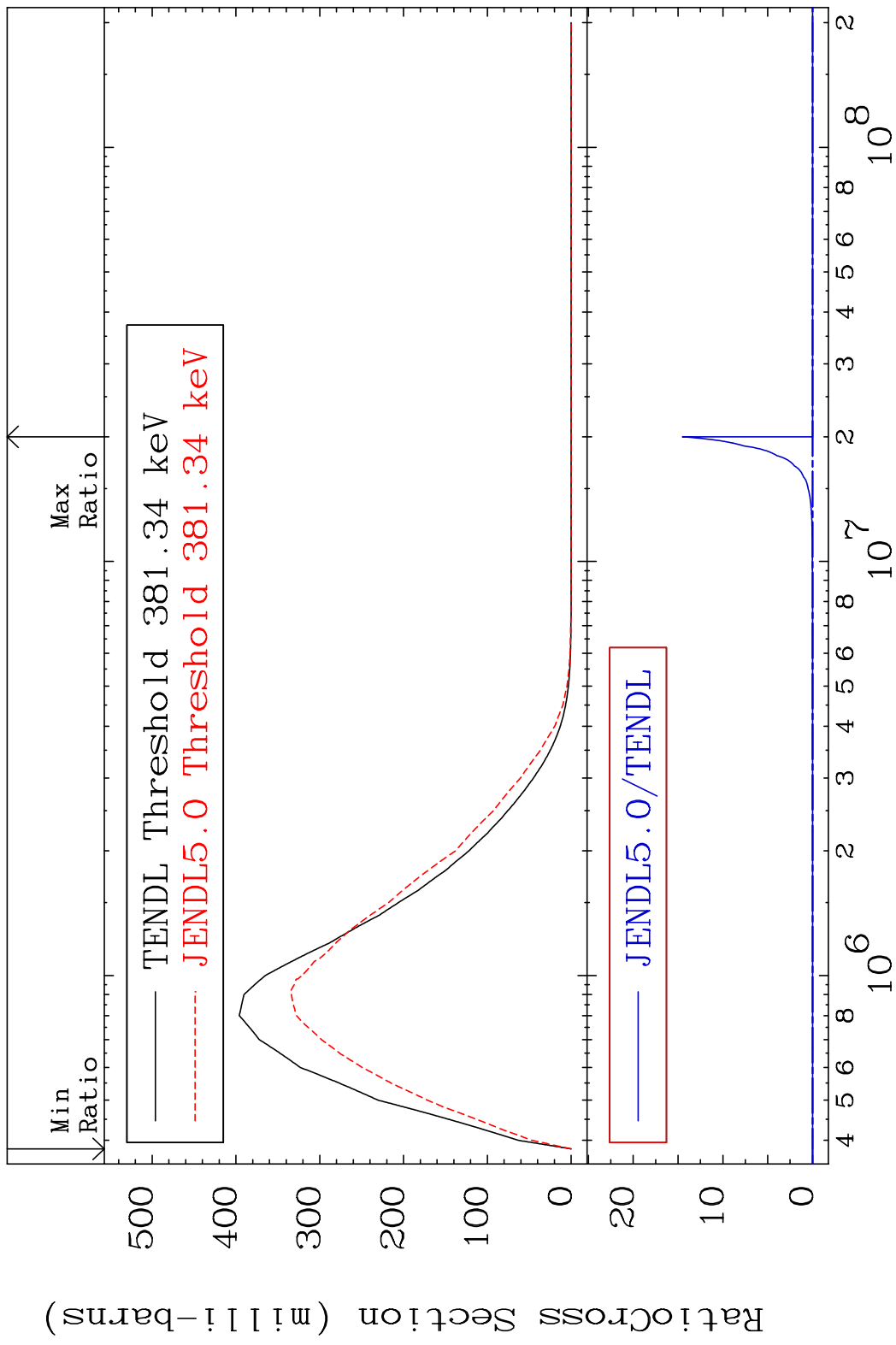
MAT 3534 MT= 53 (n,n') Level 35-Br-82  
 Cross Section -100.0 To 0.000 %



MAT 3534 MT= 54 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 0.000 %

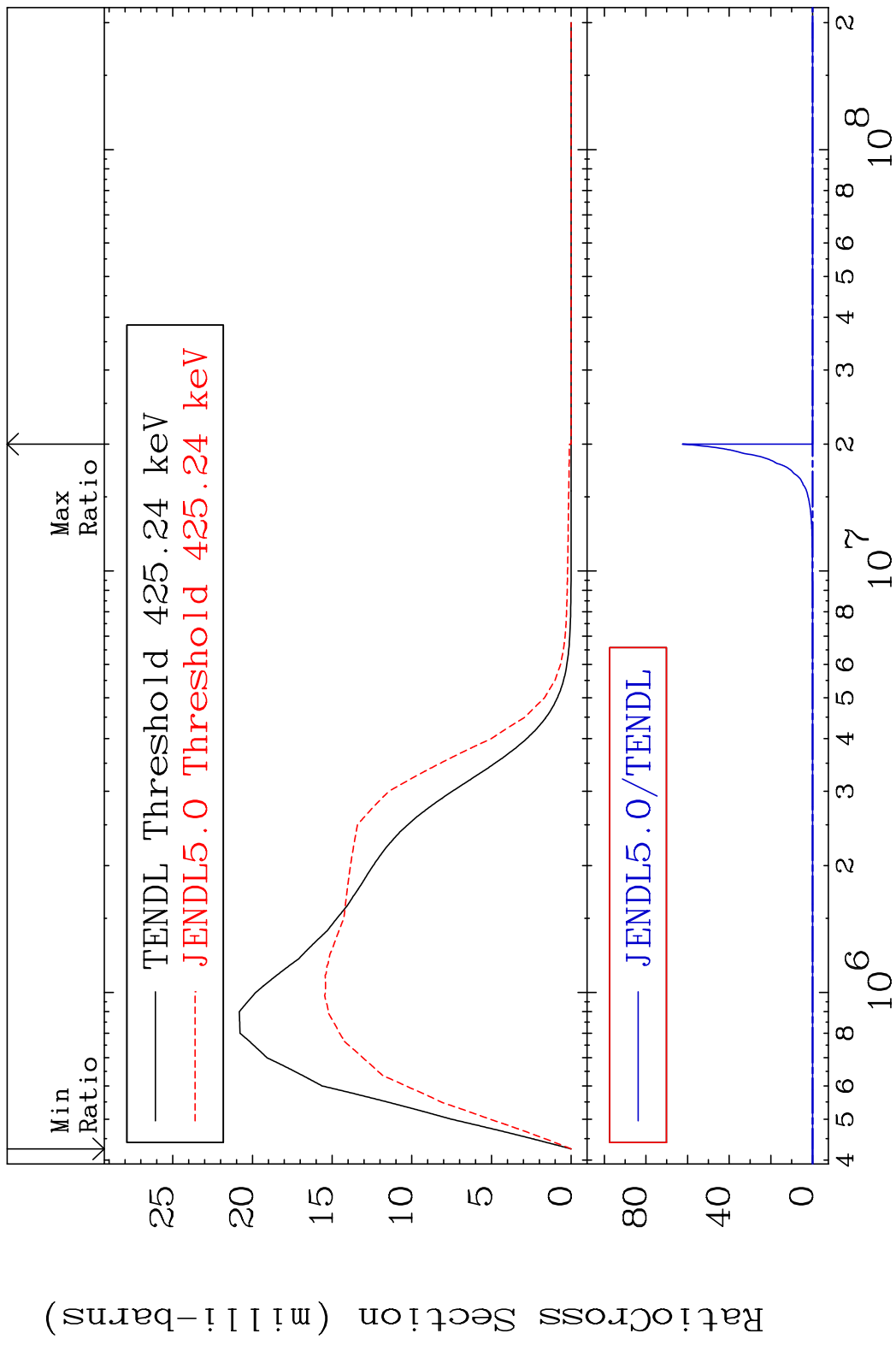


MAT 3534 MT= 55 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



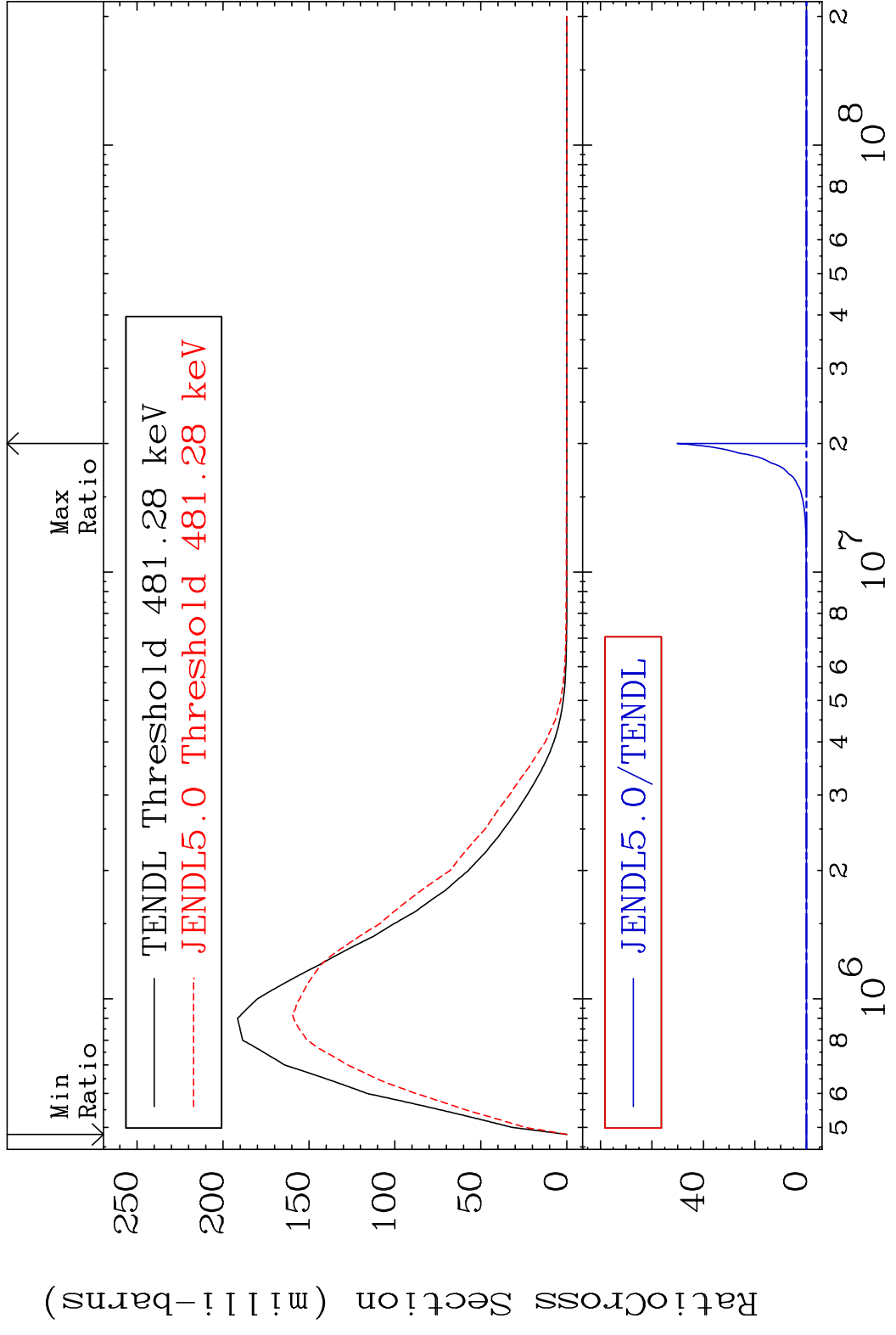


MAT 3534 MT= 56 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

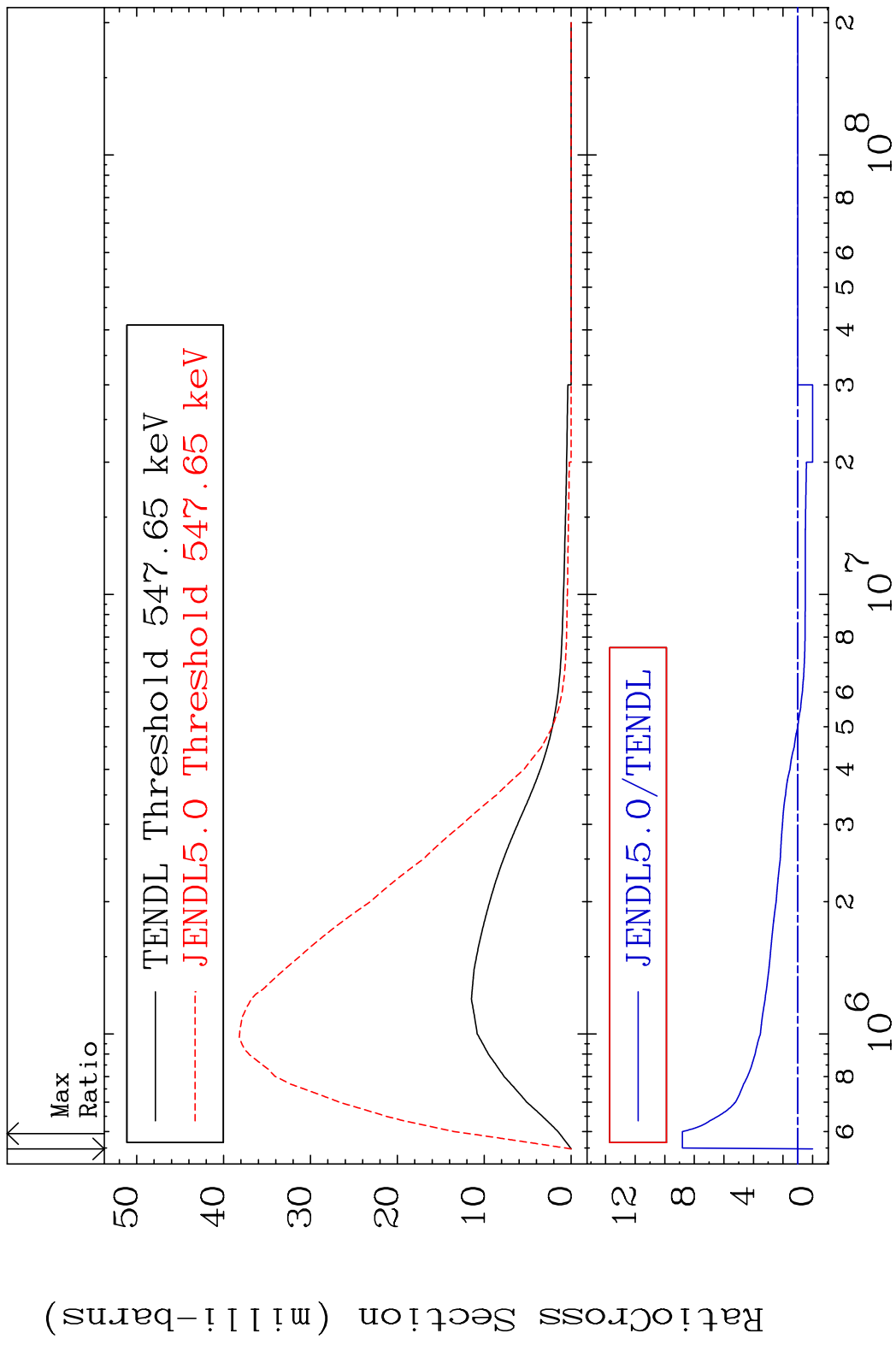


16 Incident Energy (eV) 35-Br-82

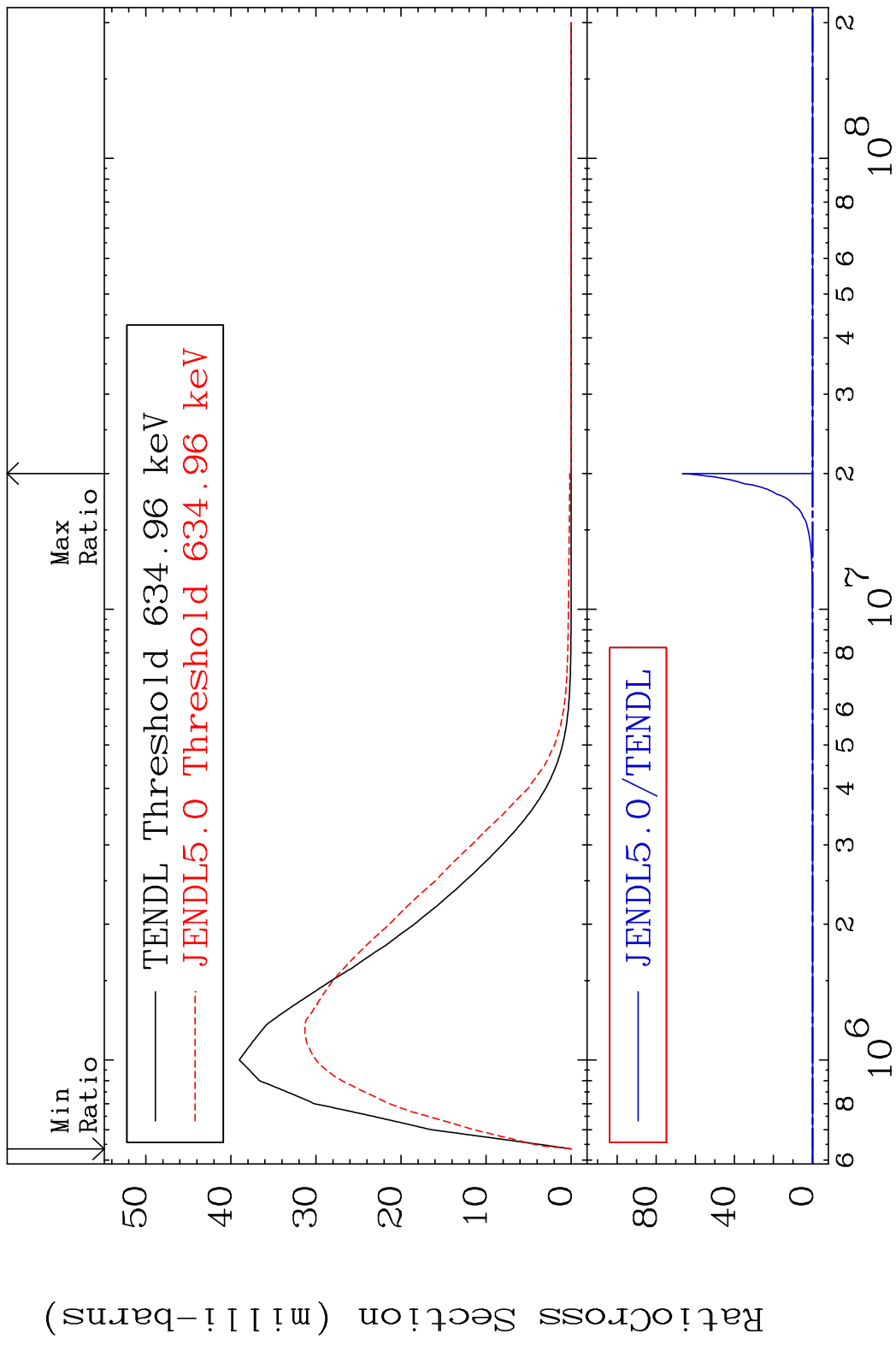
MAT 3534 MT= 57 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



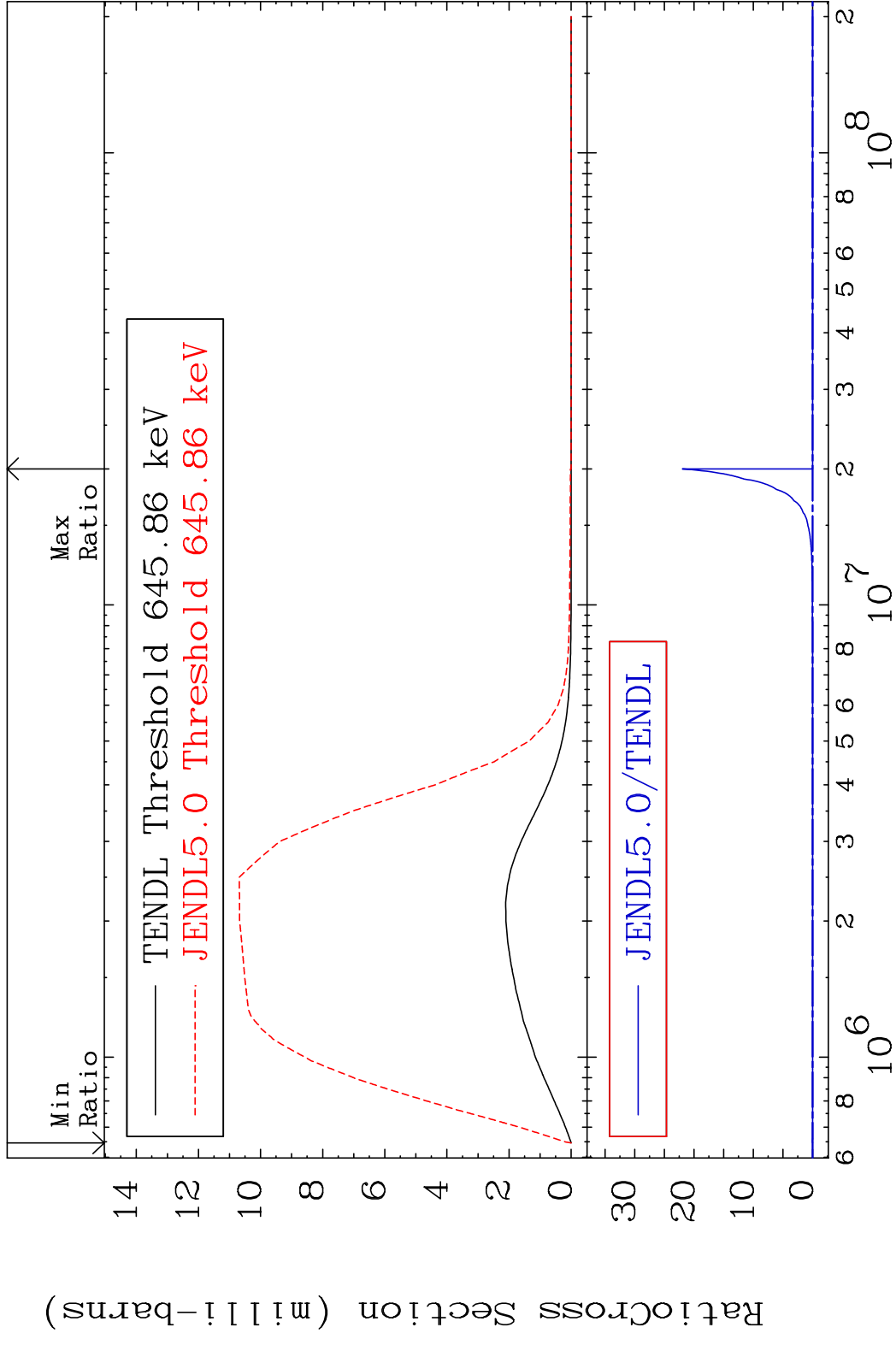
MAT 3534 MT= 58 (n,n') Level 35-Br-82  
 Cross Section -100.0 To 780.8 %



MAT 3534 MT= 59 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

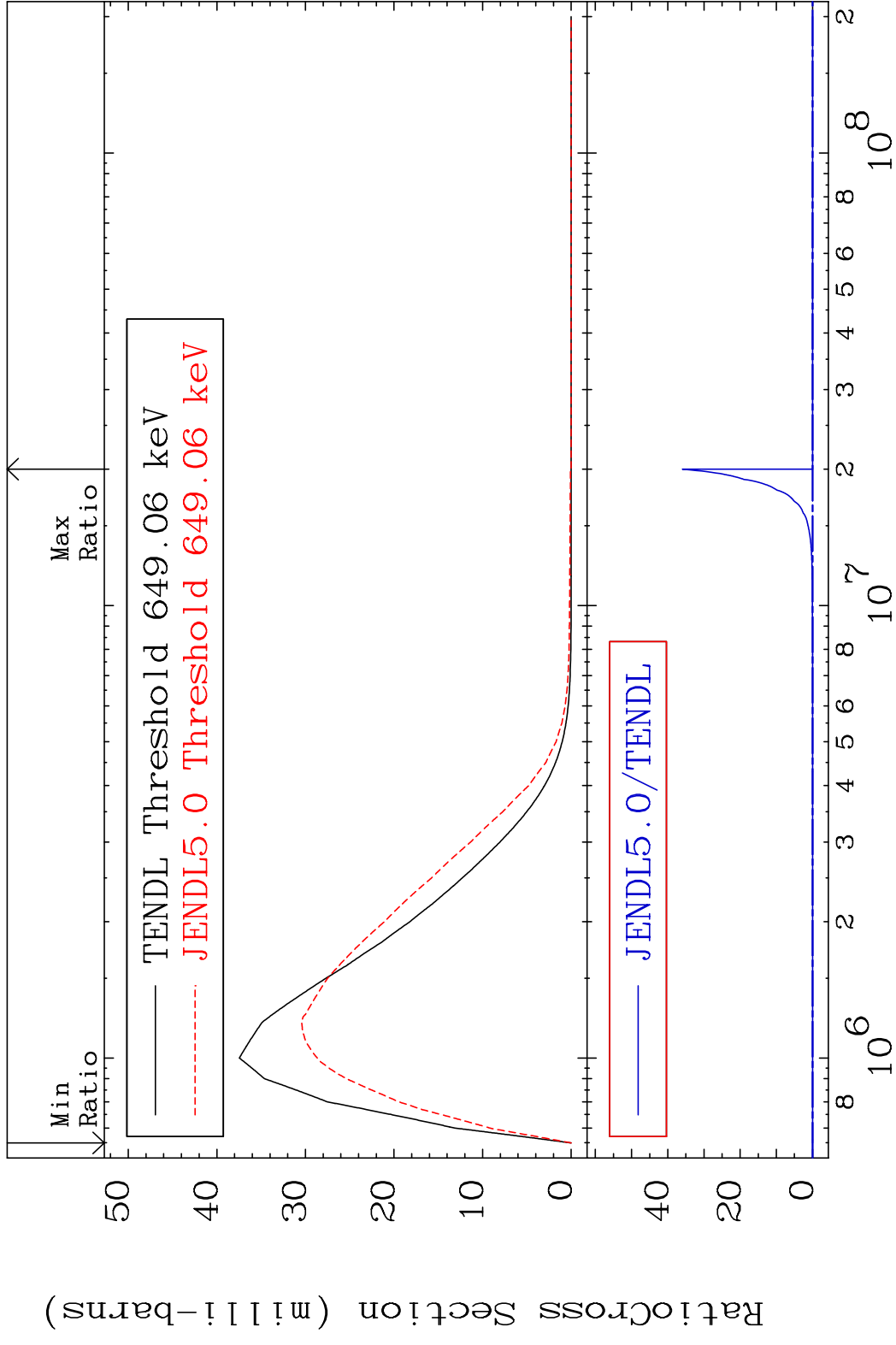


MAT 3534 MT= 60 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

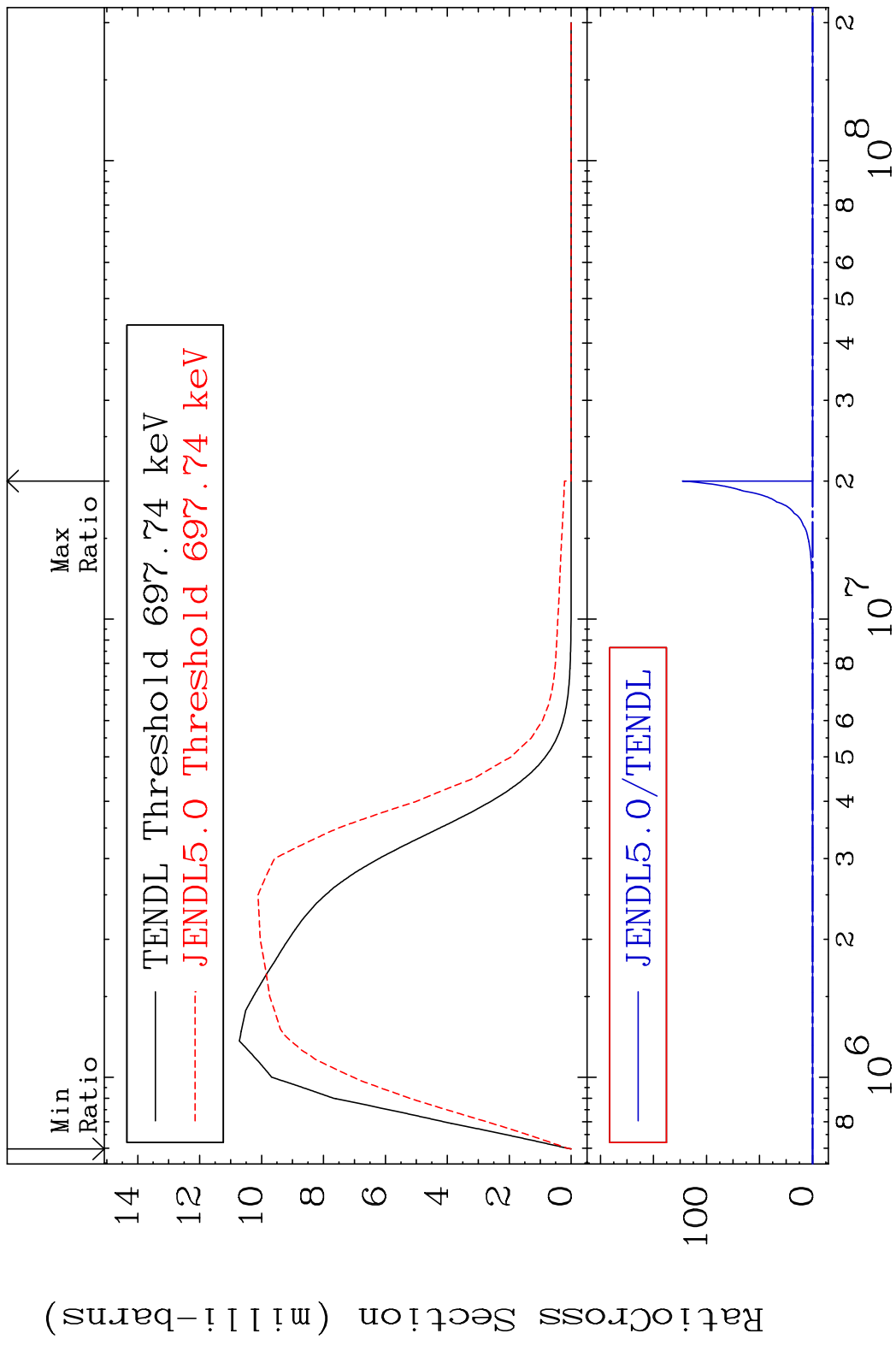


20 35-Br-82

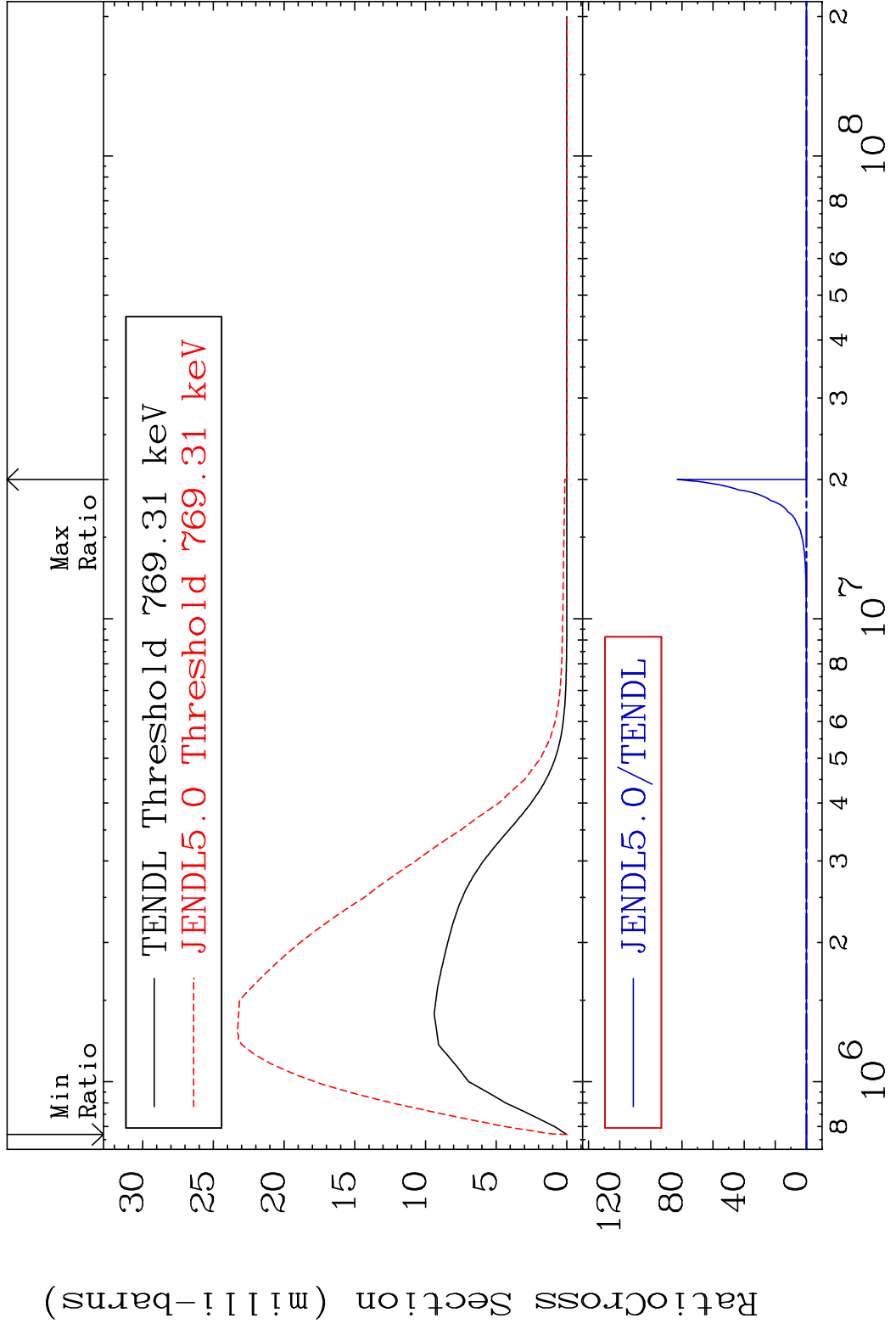
MAT 3534 MT= 61 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



MAT 3534 MT= 62 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



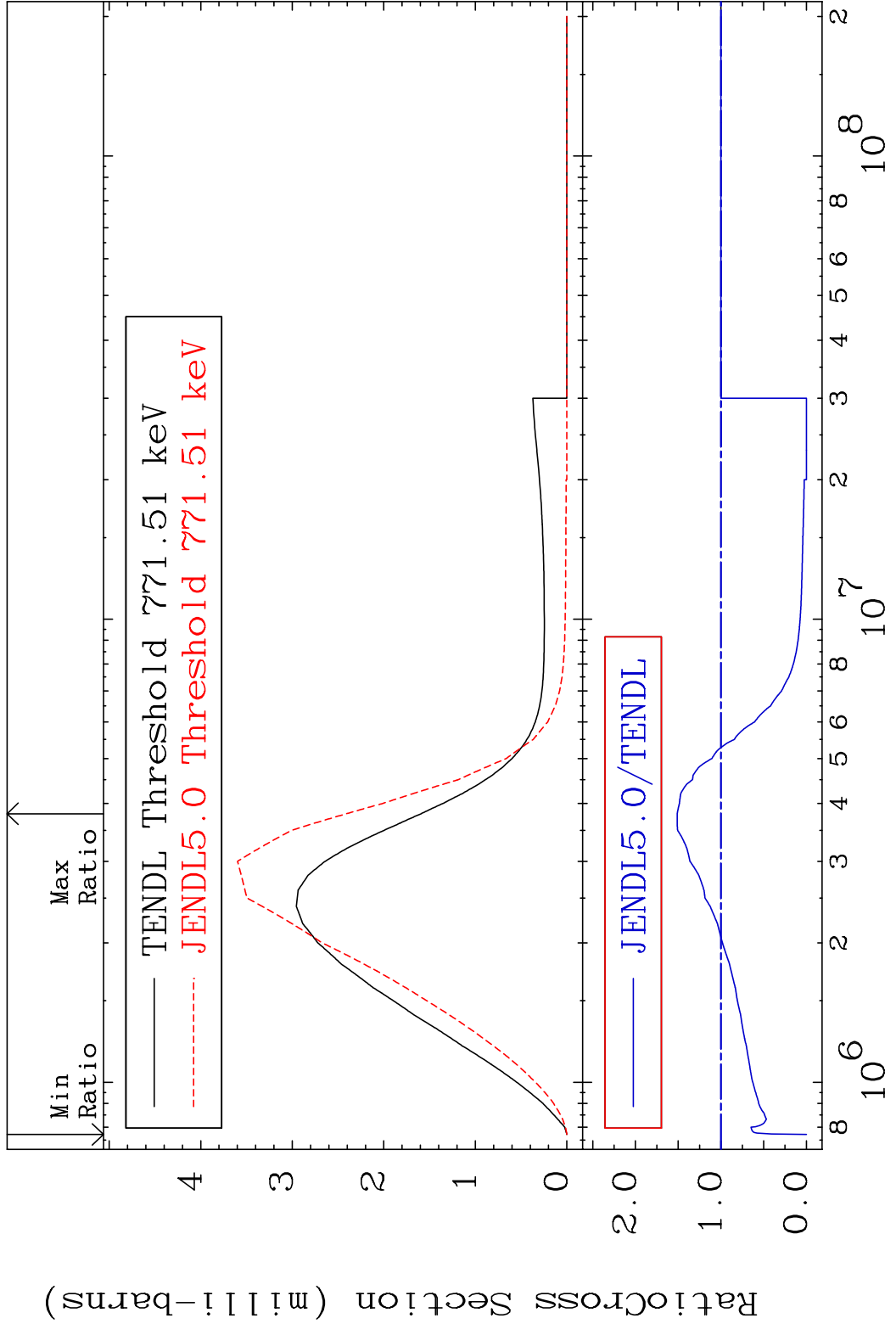
MAT 3534 MT= 63 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



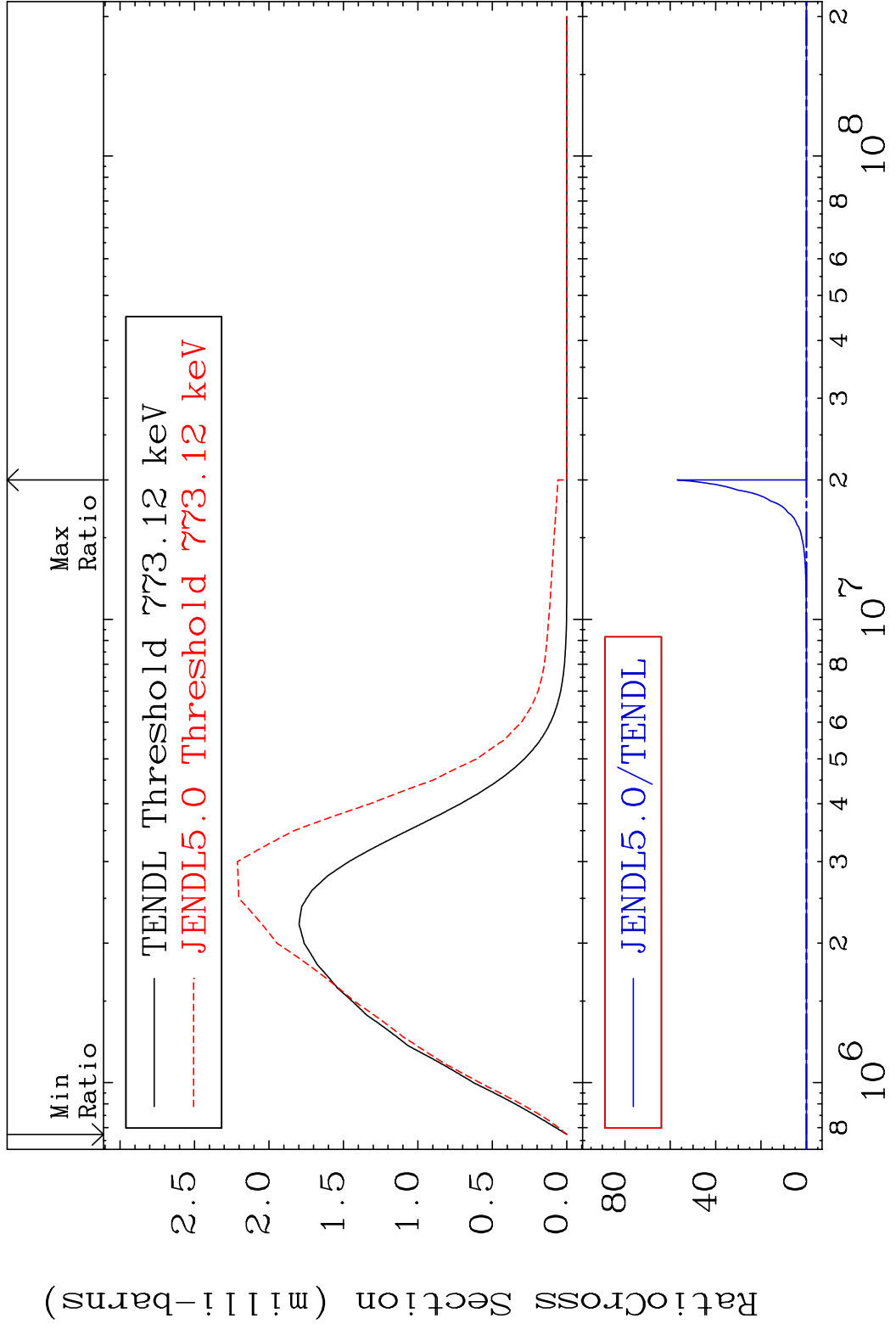
23 Incident Energy (eV) 35-Br-82



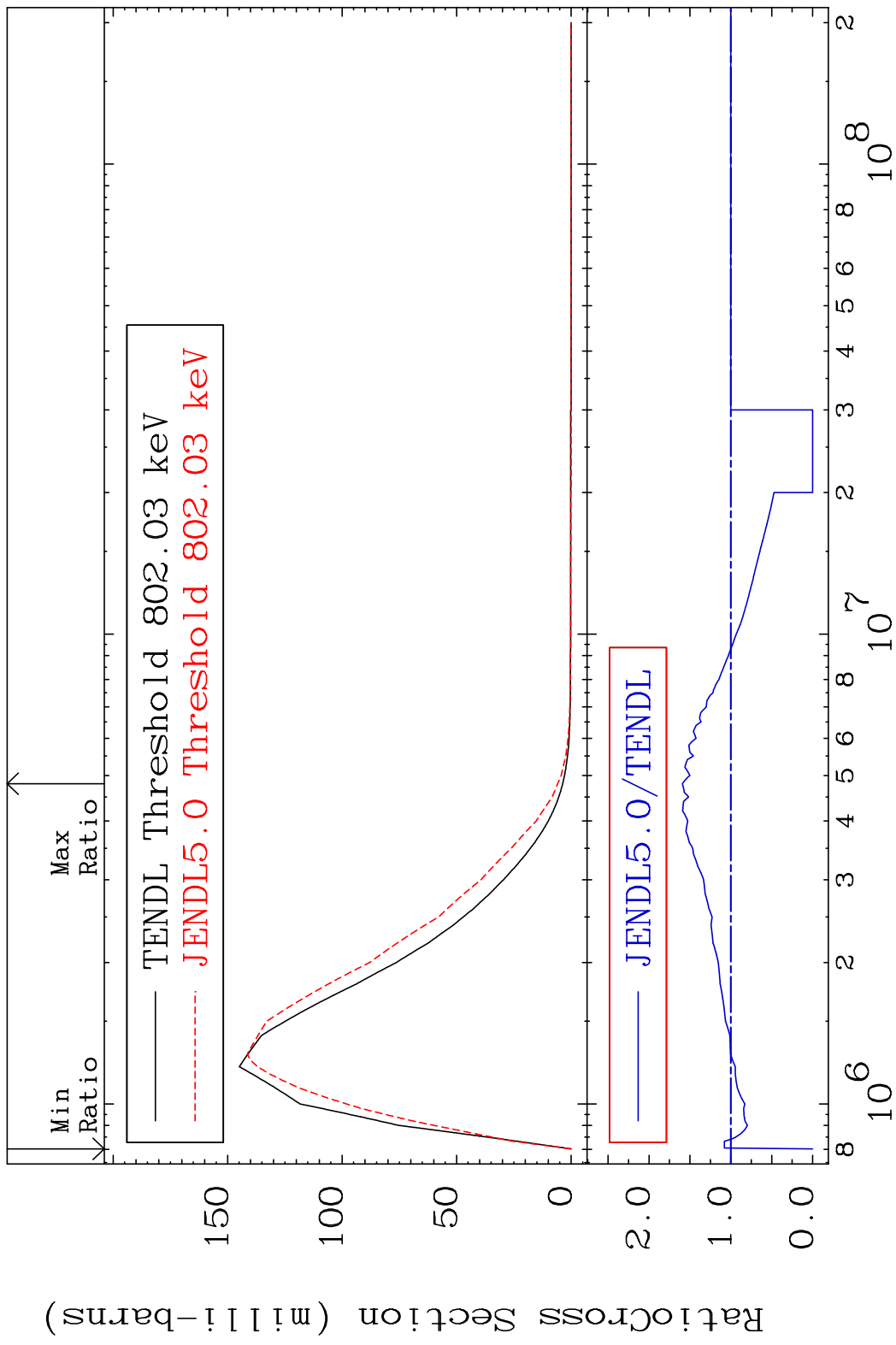
MAT 3534 MT= 64 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 51.18 %



MAT 3534 MT= 65 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

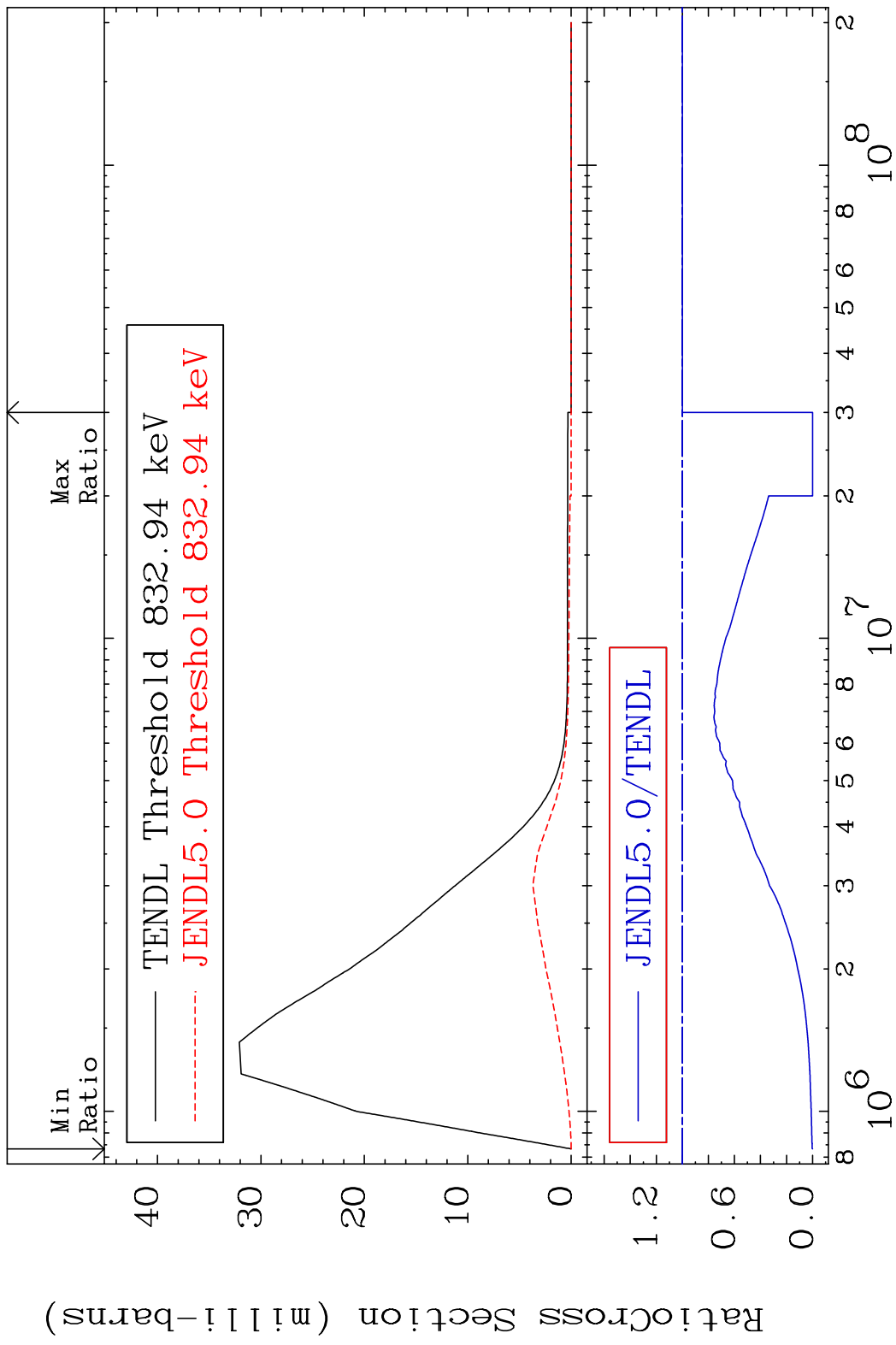


MAT 3534 MT= 66 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 59.24 %

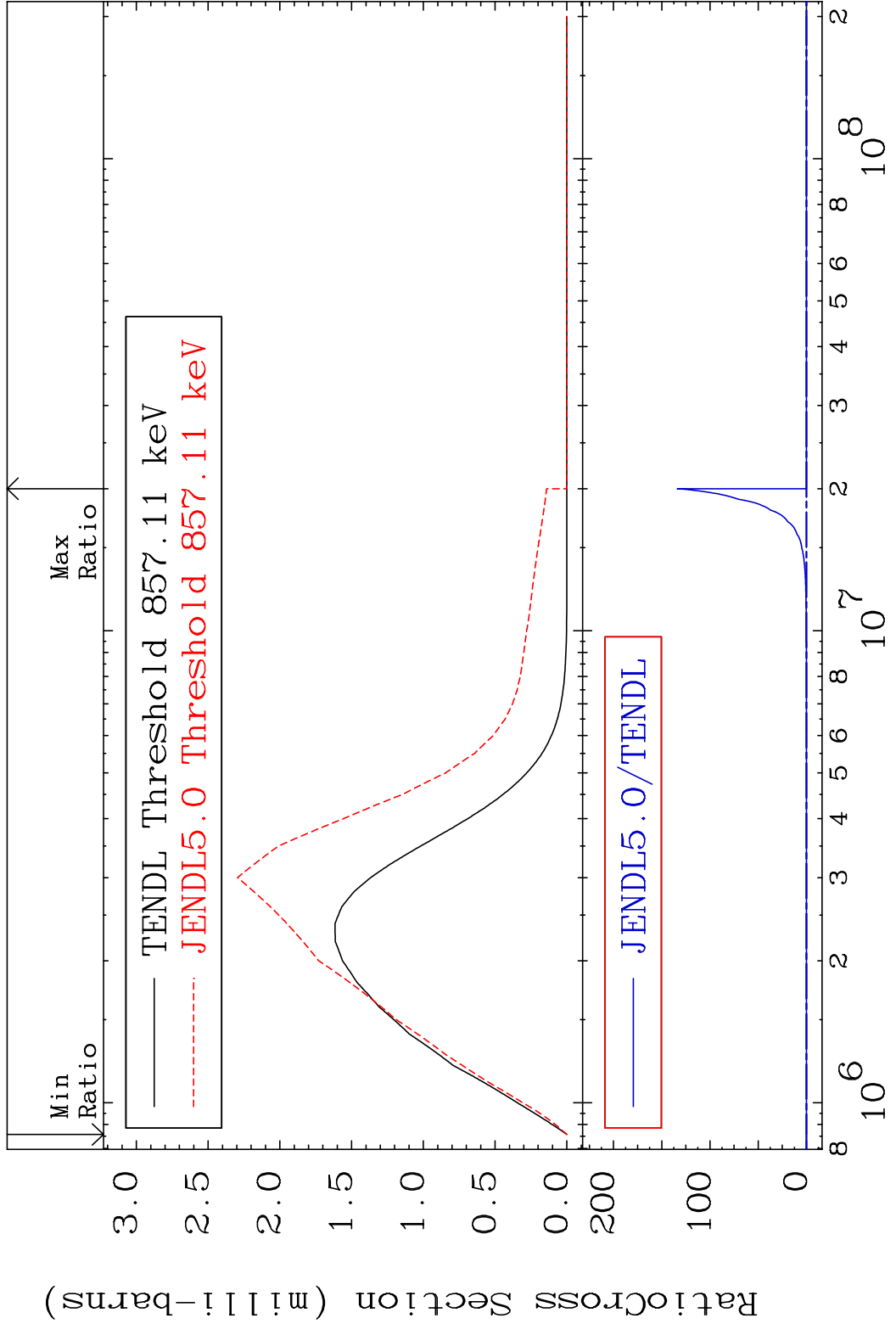


26 35-Br-82

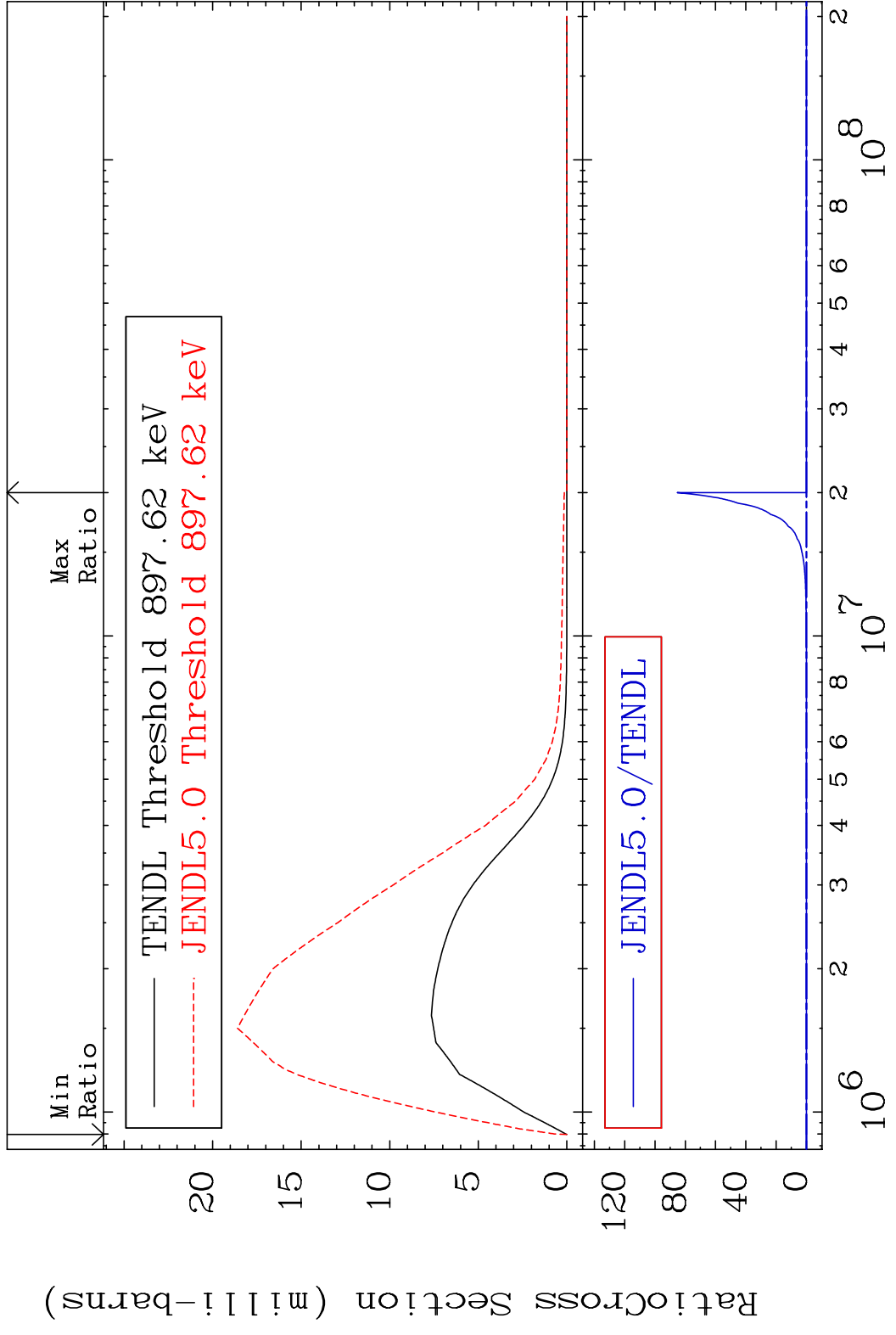
MAT 3534 MT= 67 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 0.000 %



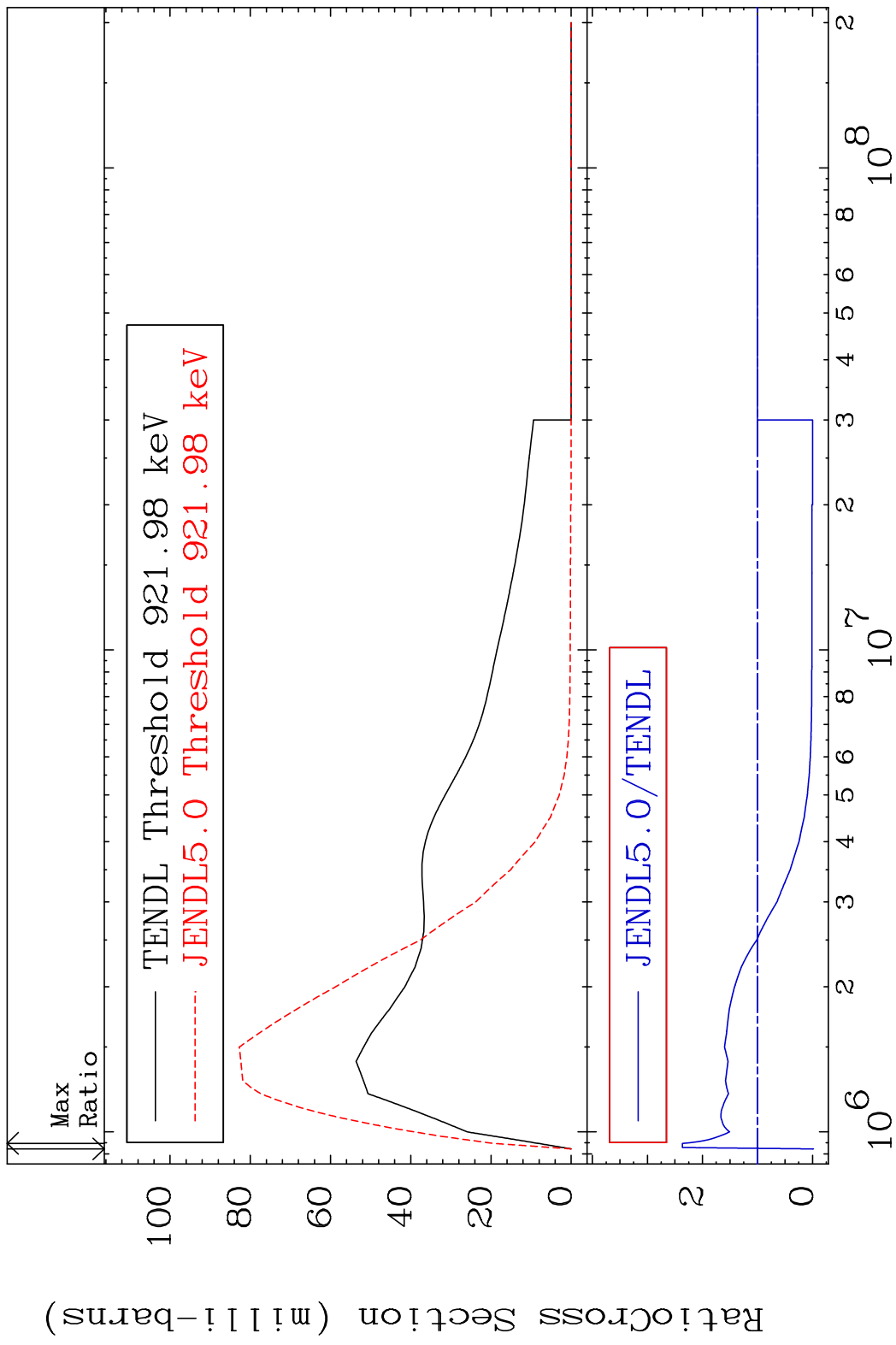
MAT 3534 MT= 68 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



MAT 3534 MT= 69 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

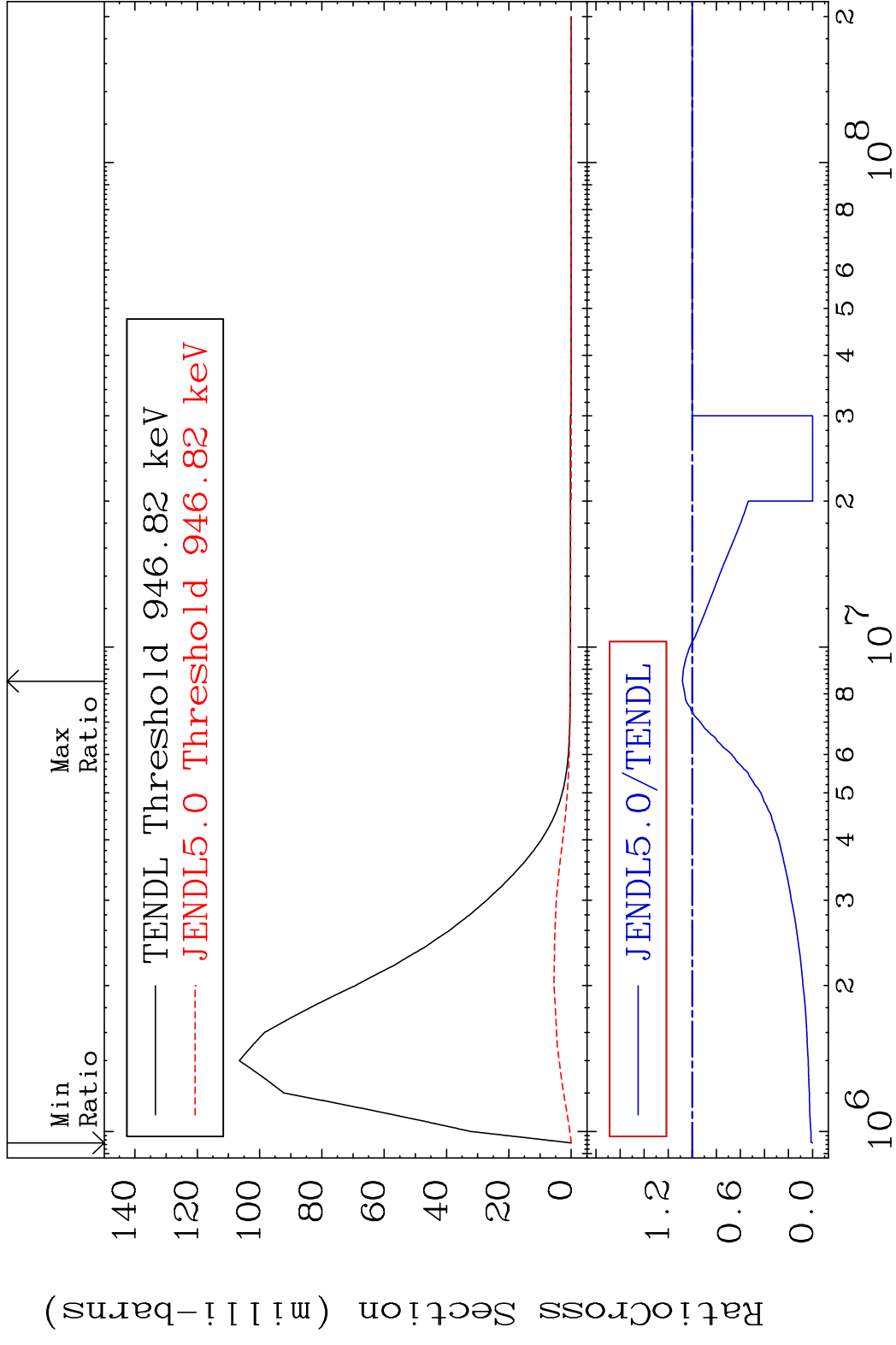


MAT 3534 MT= 70 (n,n') Level 35-Br-82  
 Cross Section -100.0 To 136.5 %



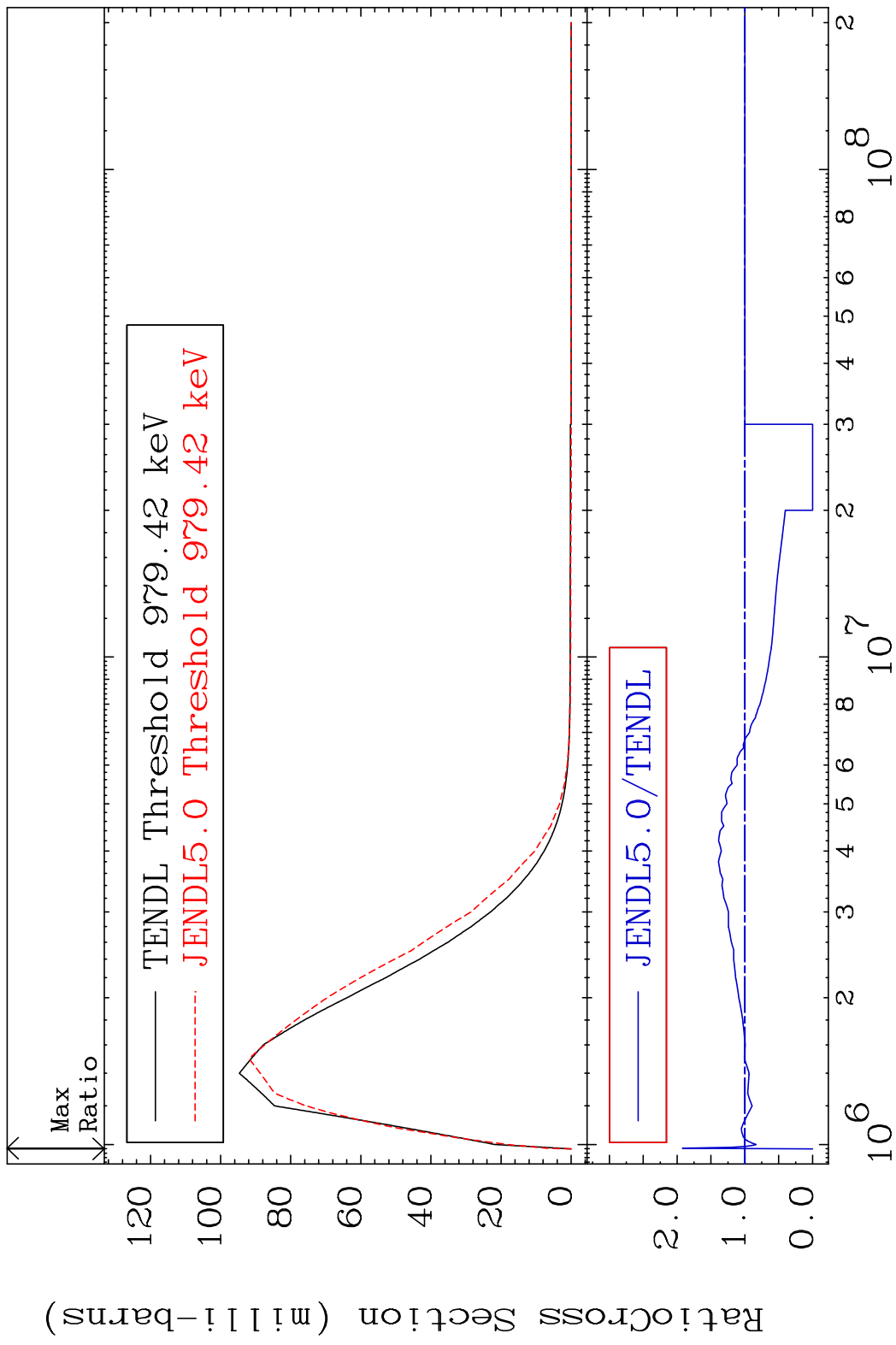
30 2 3 4 5 6 8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 35-Br-82

MAT 3534 MT= 71 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 8.247 %



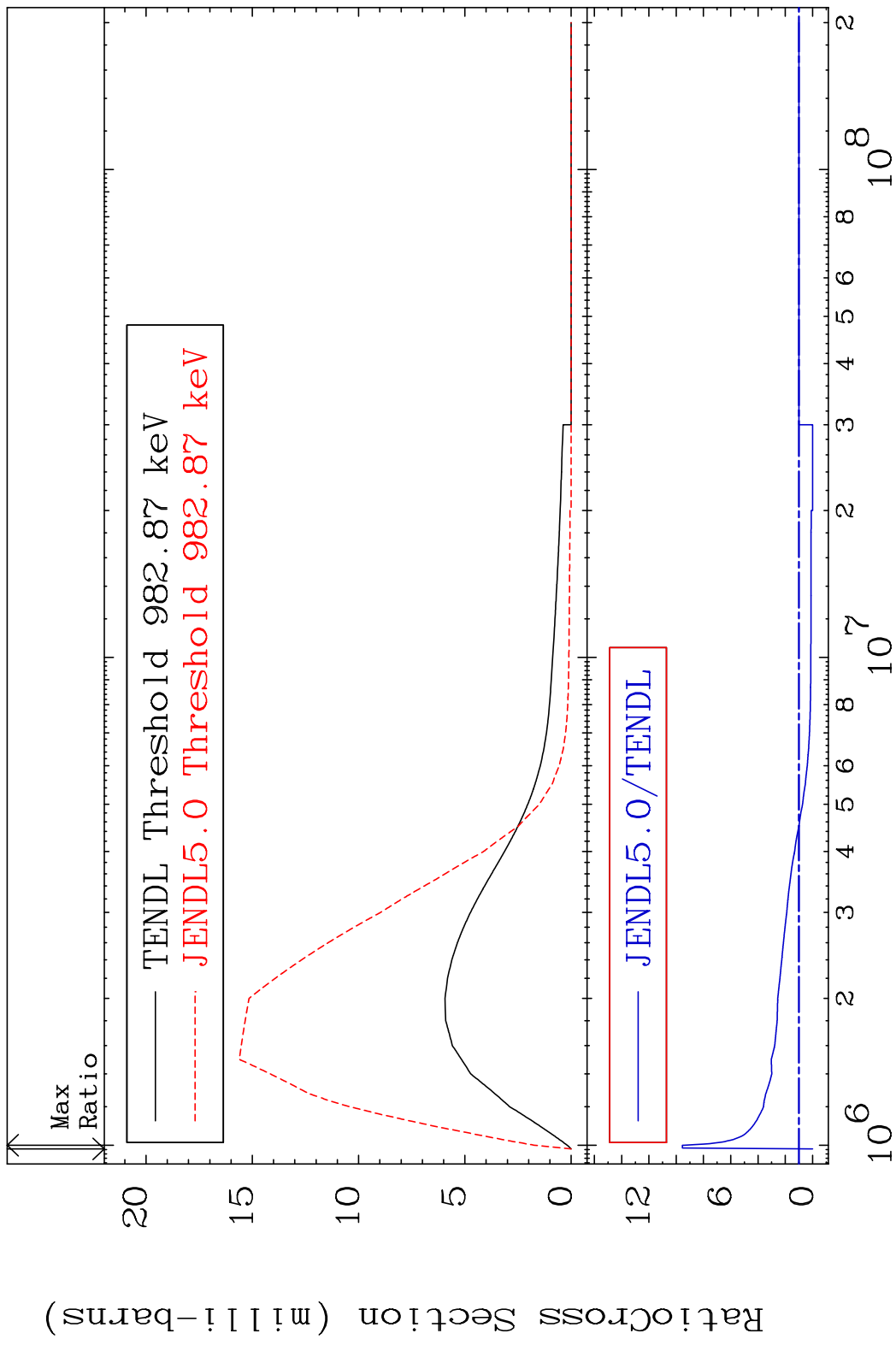


MAT 3534 MT= 72 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 92.25 %



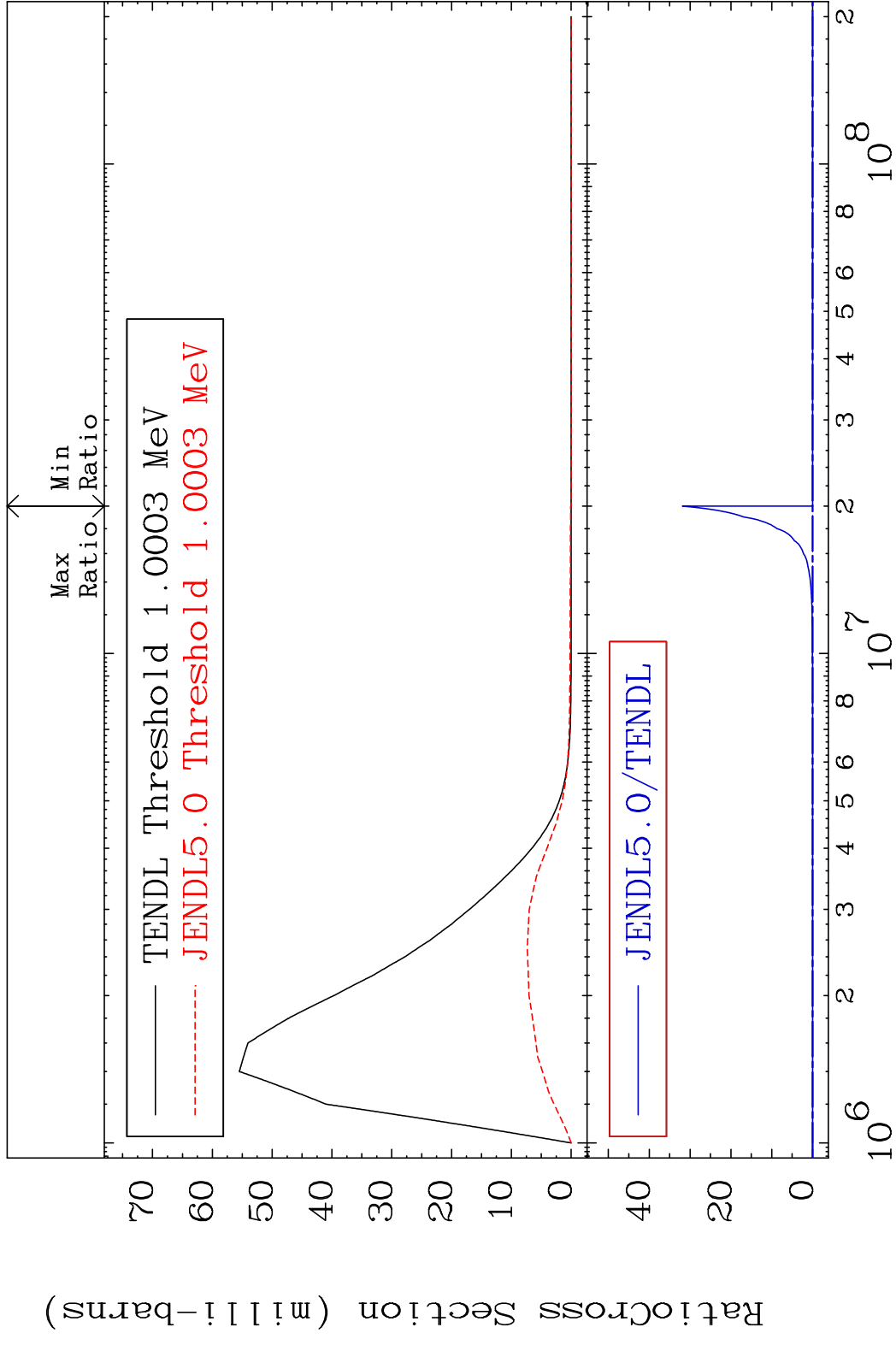
32 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 73 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 855.0 %

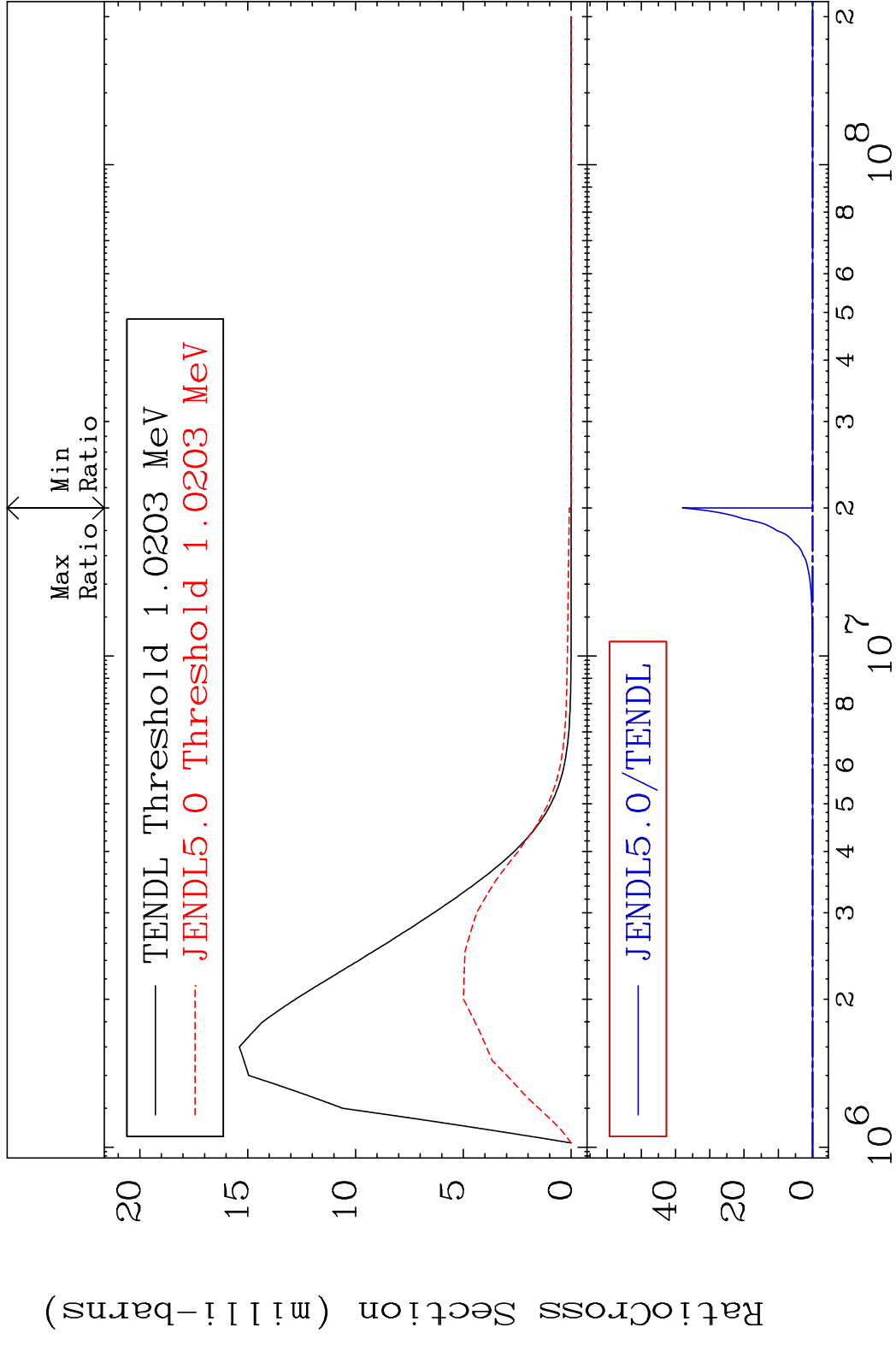


33 35-Br-82

MAT 3534 MT= 74 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

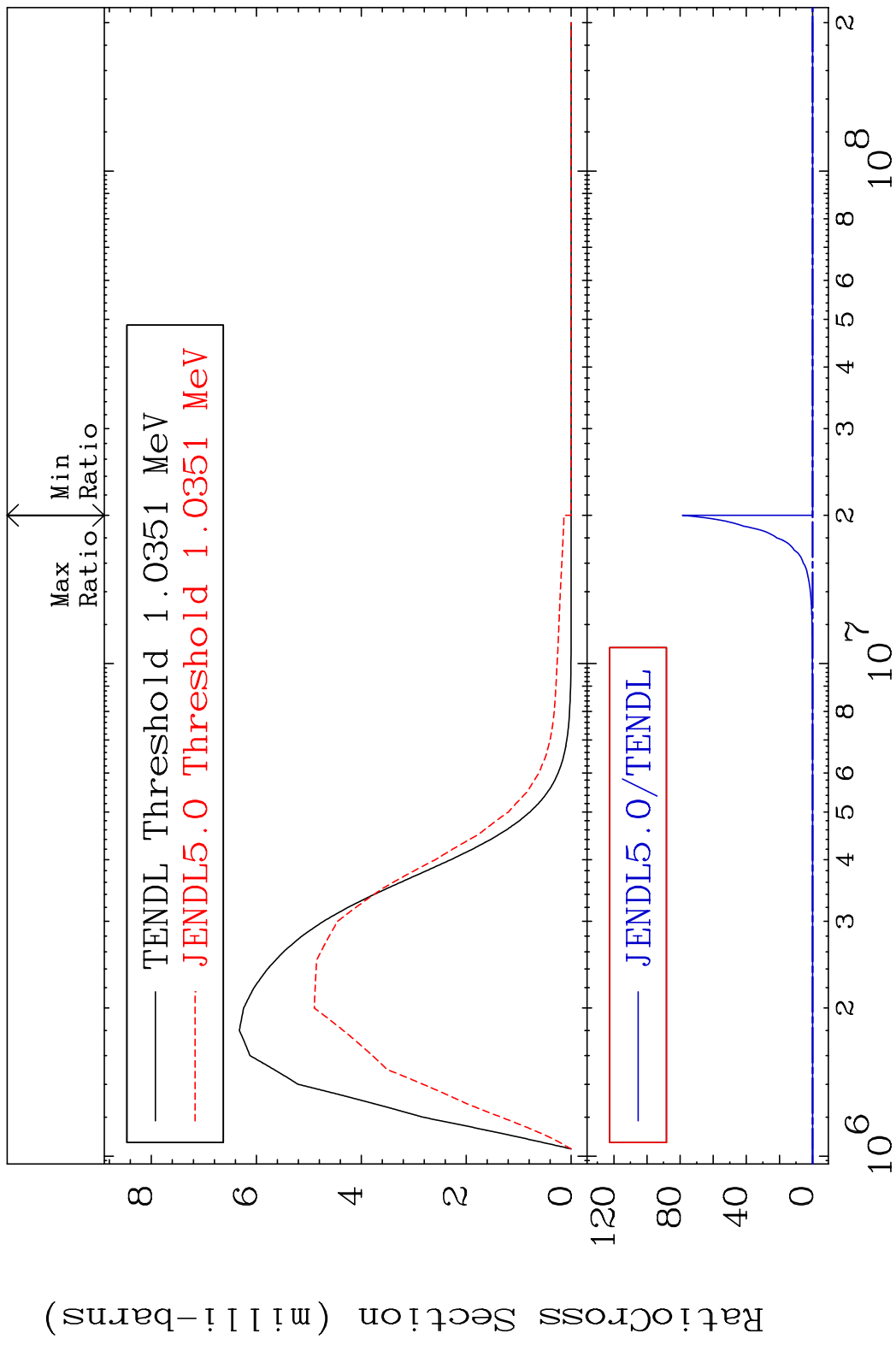


MAT 3534 MT= 75 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



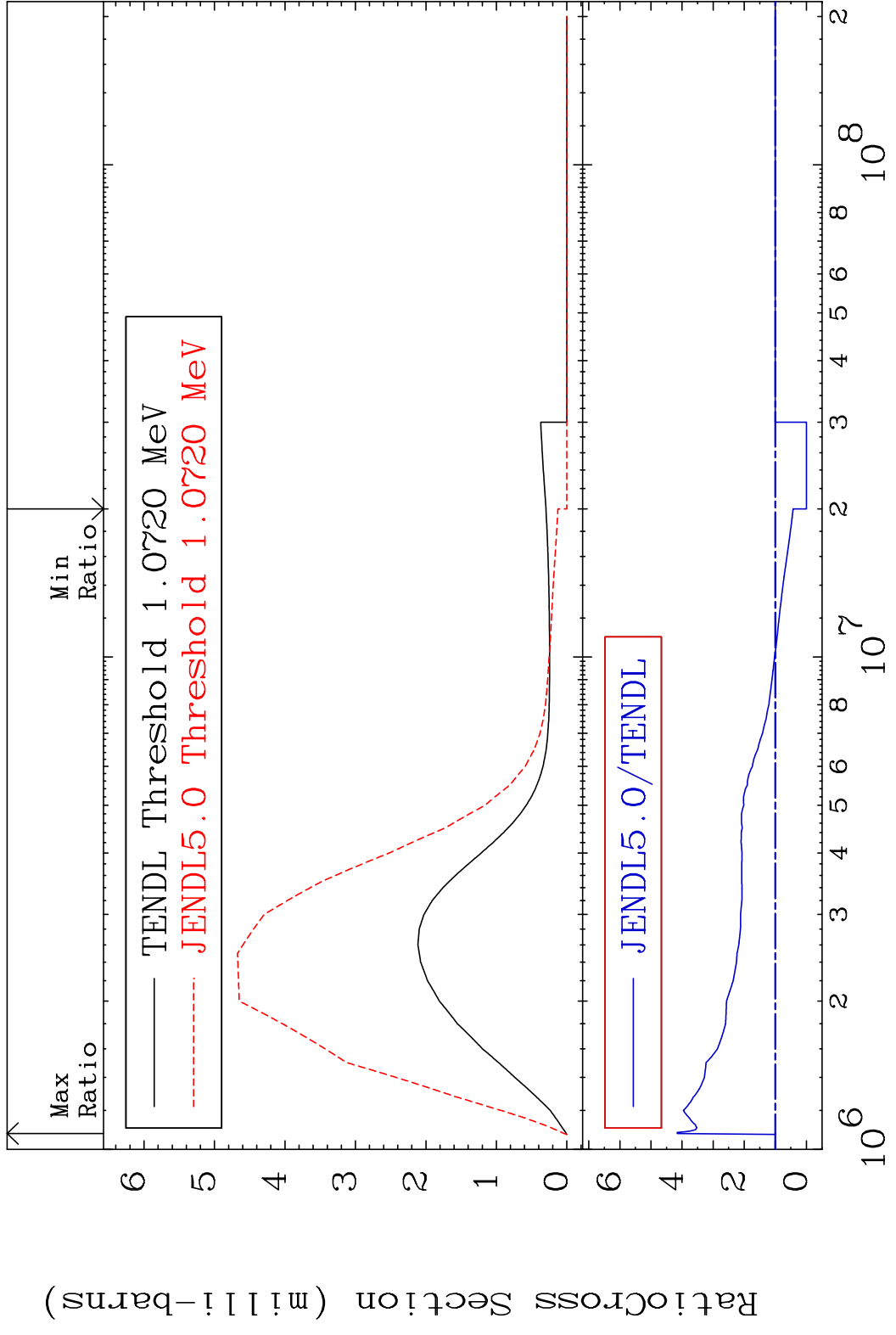
35 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 76 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %

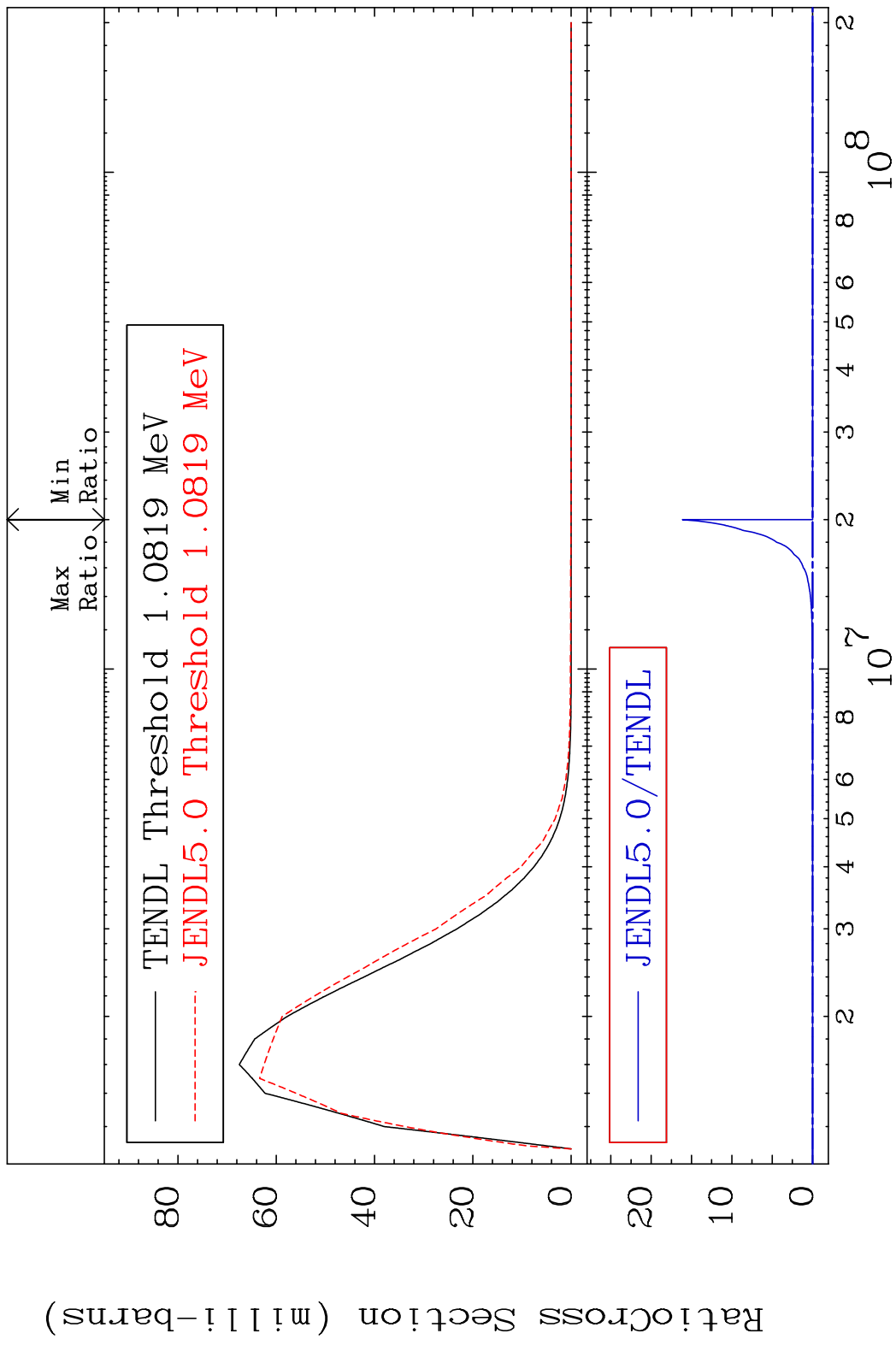


36 Incident Energy (eV) 35-Br-82

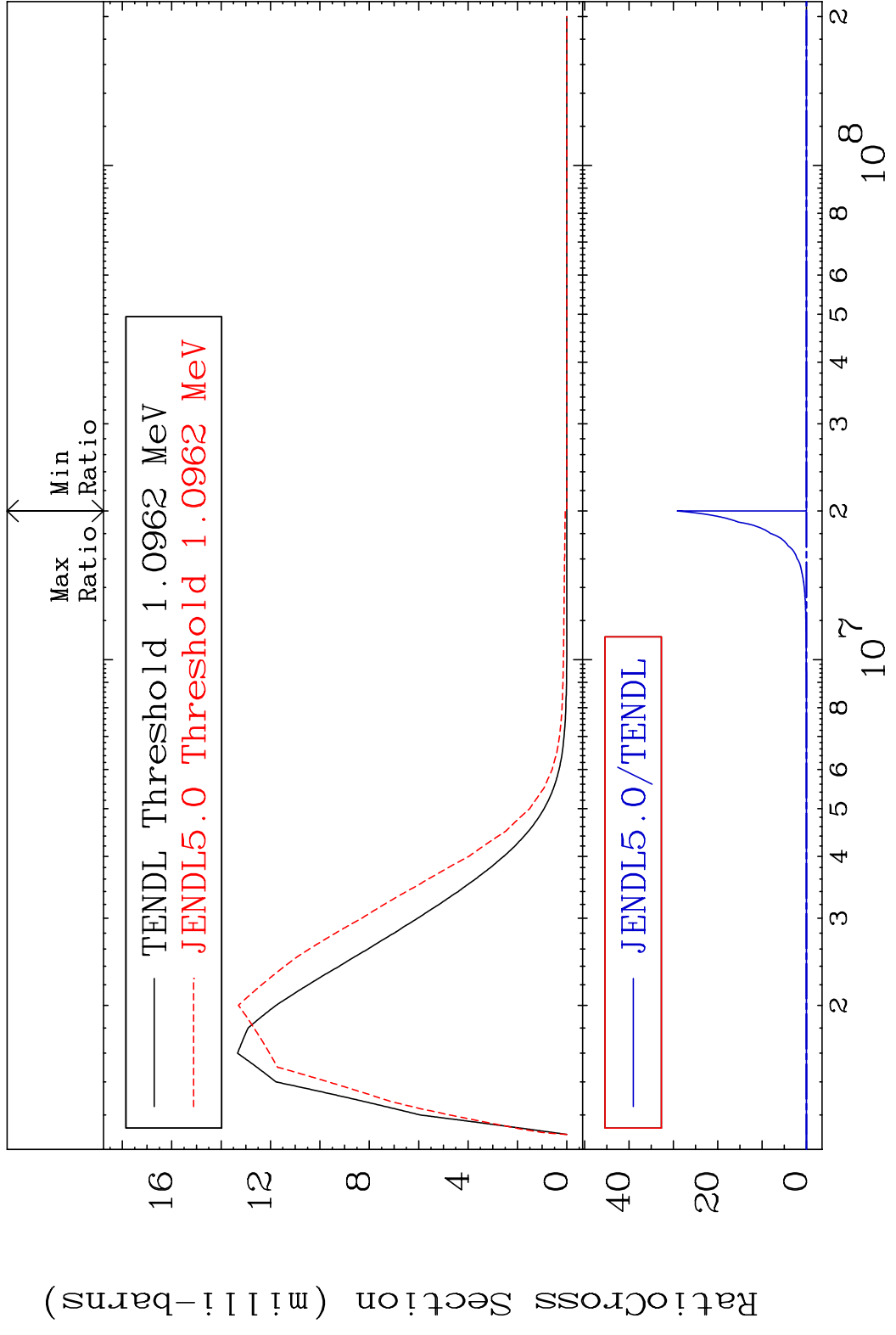
MAT 3534 MT= 77 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 315.7 %



MAT 3534 MT= 78 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %



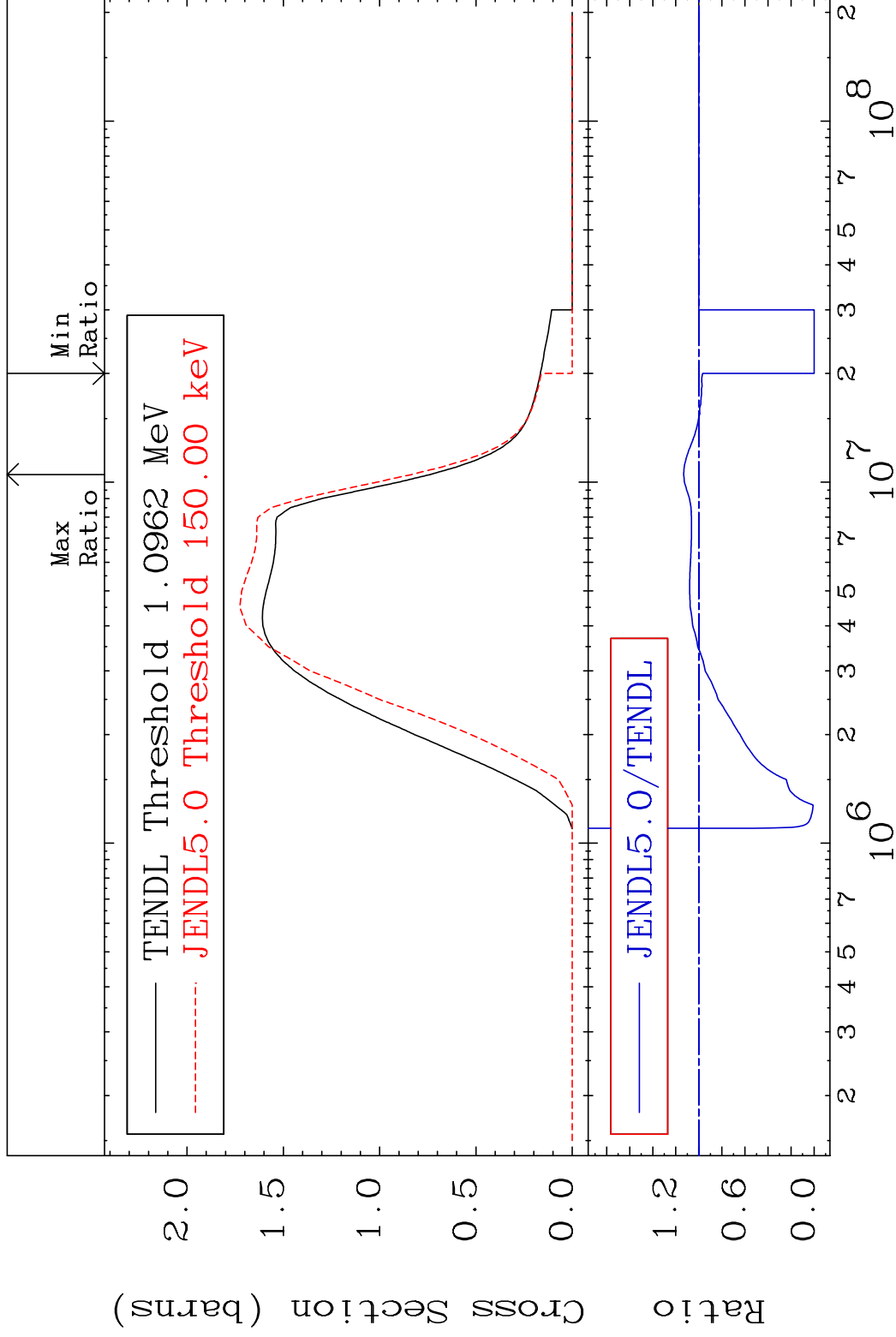
MAT 3534 MT= 79 (n, n') Level 35-Br-82  
 Cross Section -100.0 To 9999. %





MAT 3534

(n, n') Continuum  
Cross Section -100.0 To 13.18 %  
35-Br-82



40

Incident Energy (eV)

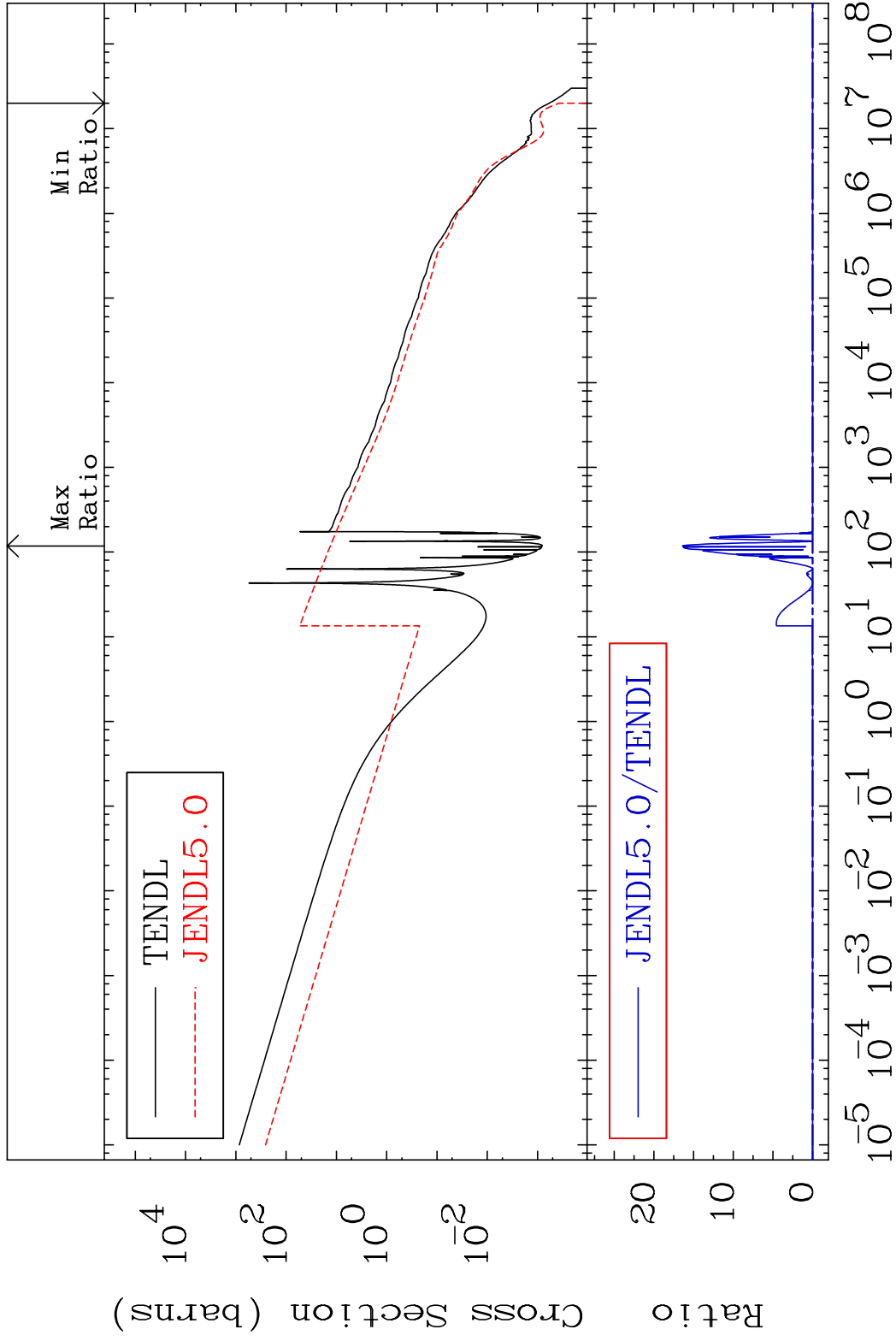
35-Br-82

MAT 3534

(n,  $\gamma$ )

35-Br-82

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

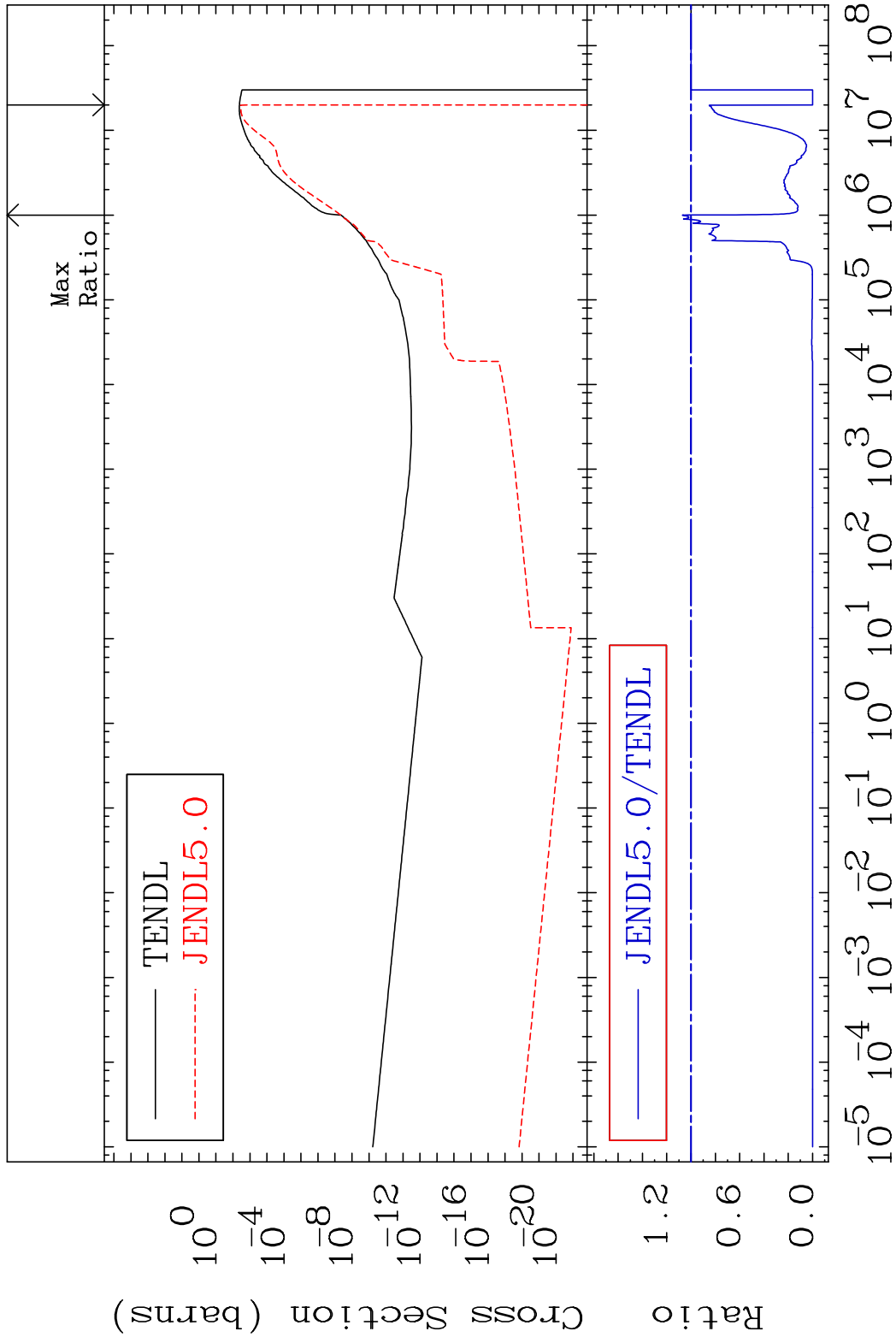
35-Br-82

MAT 3534

(n, p)

35-Br-82

Cross Section -100.0 To 7.150 %



42

Incident Energy (eV)

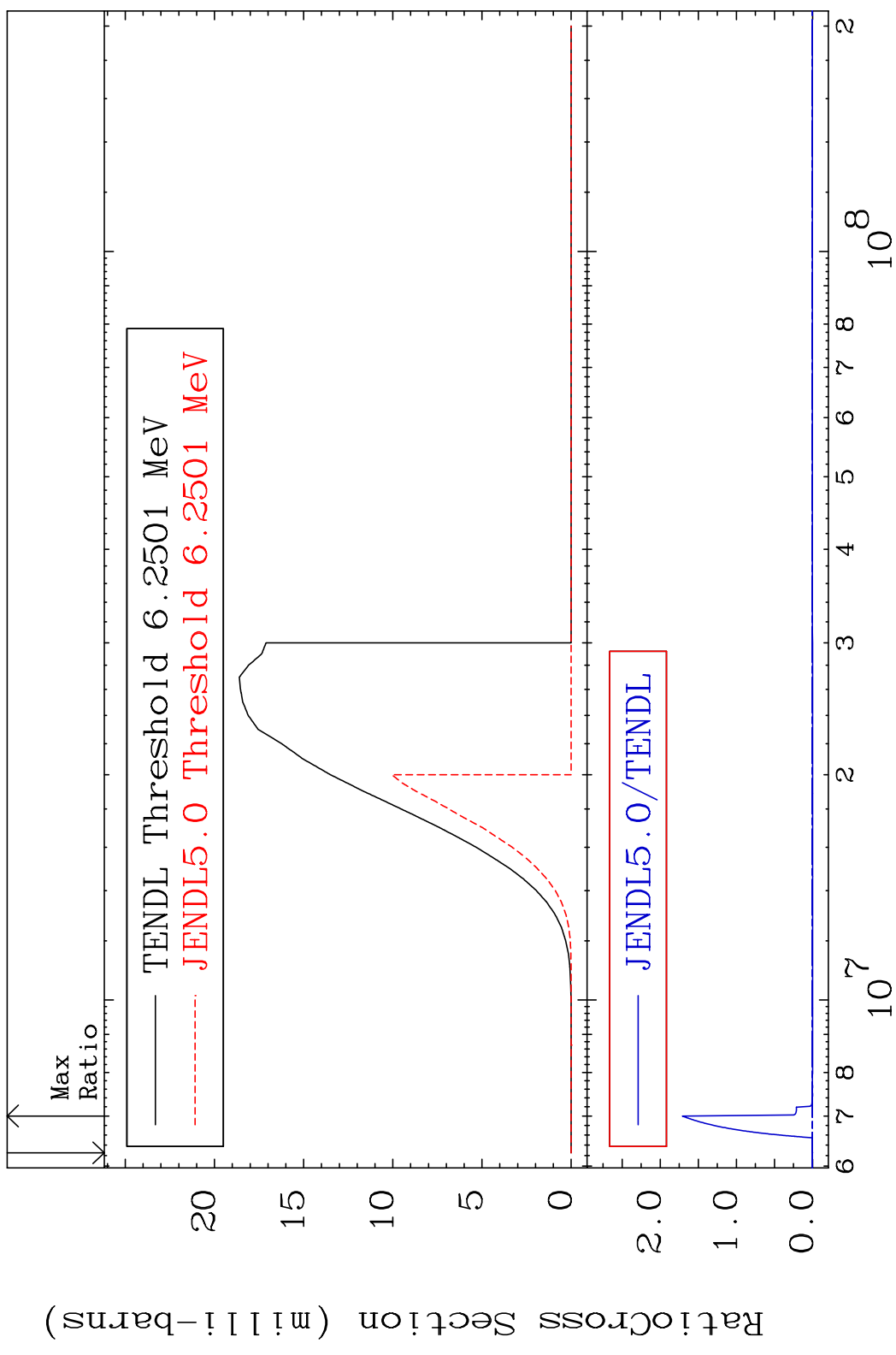
35-Br-82

MAT 3534

(n,d)

35-Br-82

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

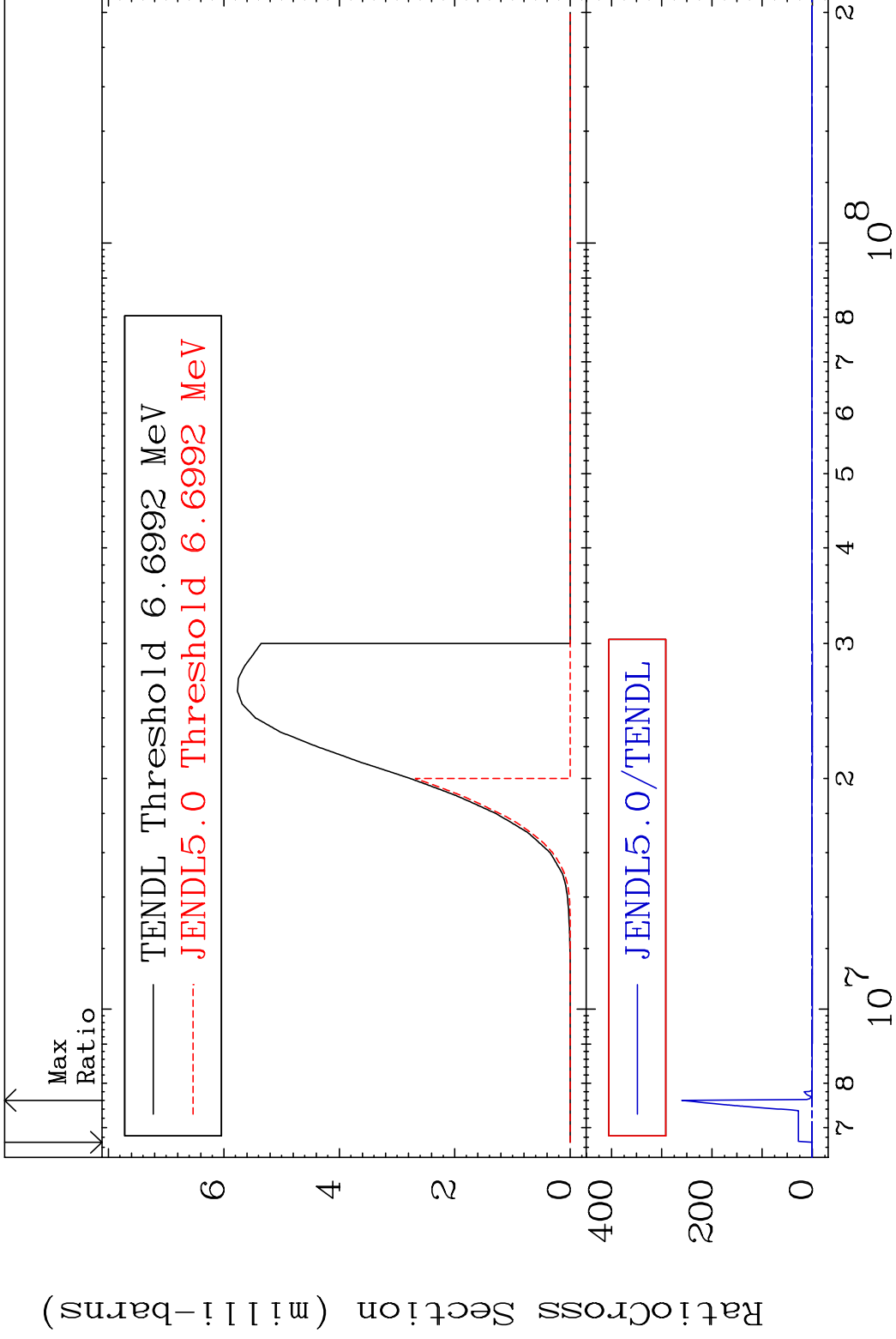
35-Br-82

MAT 3534

(n, t)

35-Br-82

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

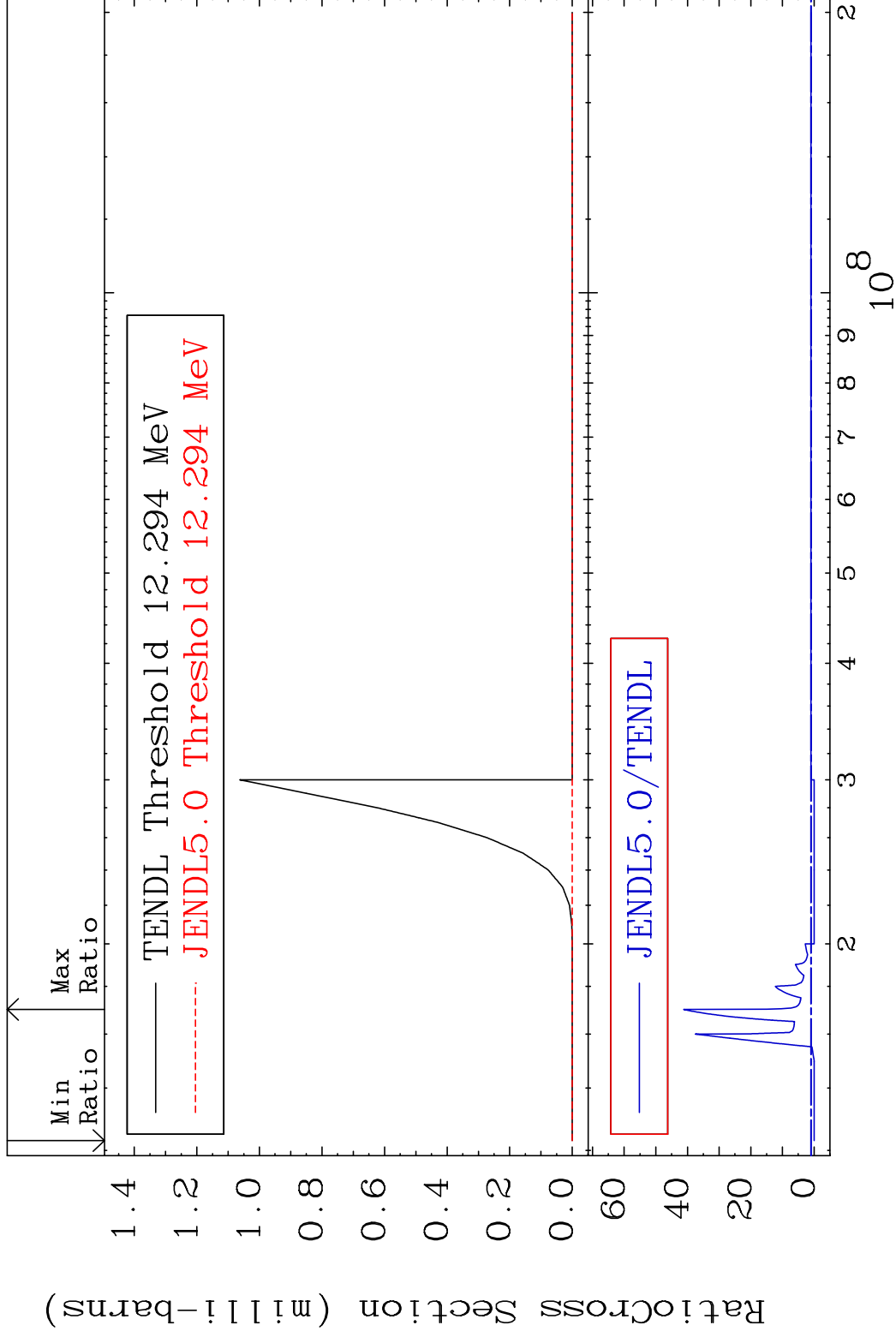
35-Br-82

MAT 3534

(n, He-3)

35-Br-82

Cross Section -100.0 To 4020. %



45

Incident Energy (eV)

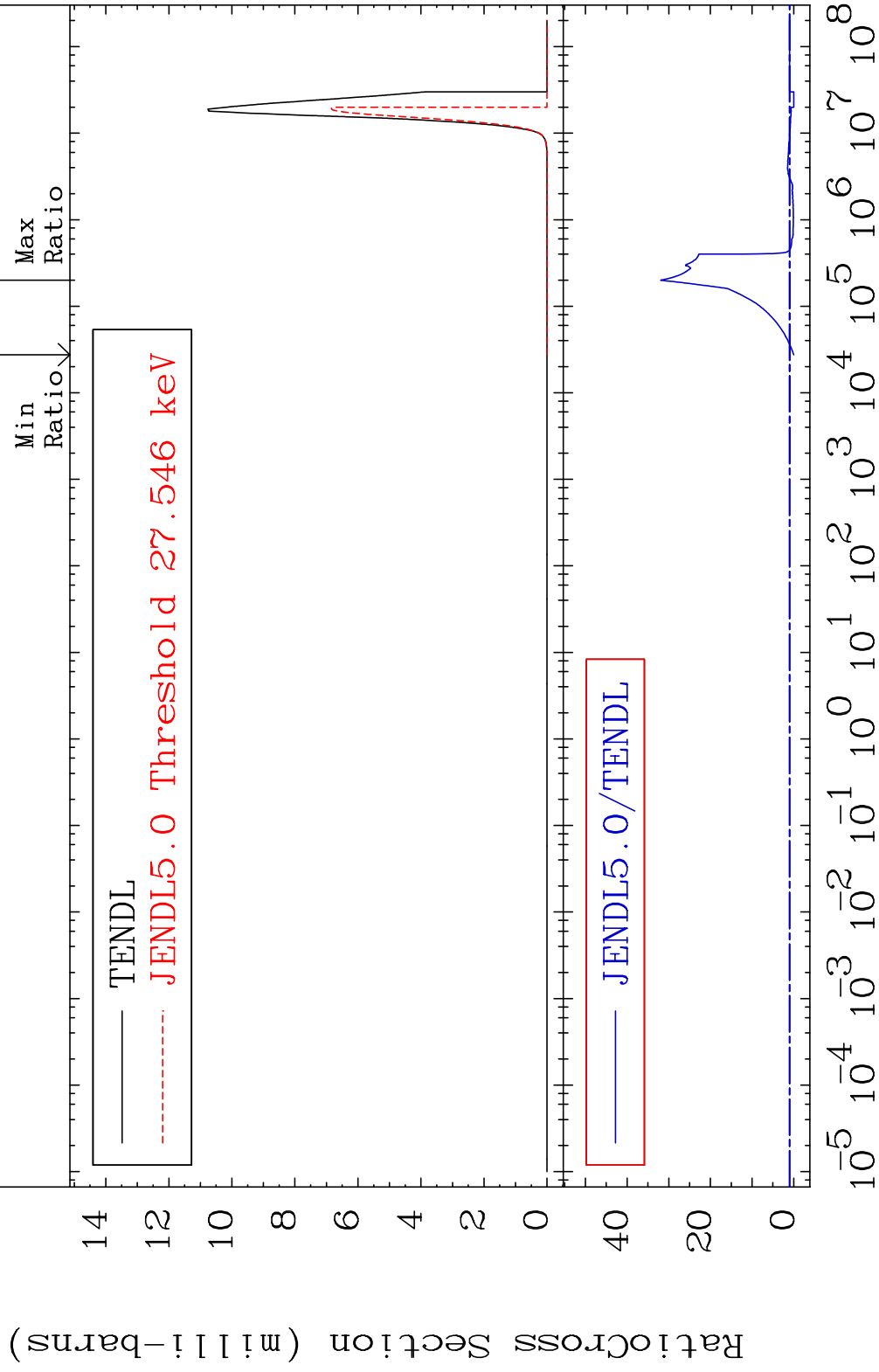
35-Br-82

MAT 3534

(n,  $\alpha$ )

35-Br-82

Cross Section -100.0 To 3094. %



46

Incident Energy (eV)

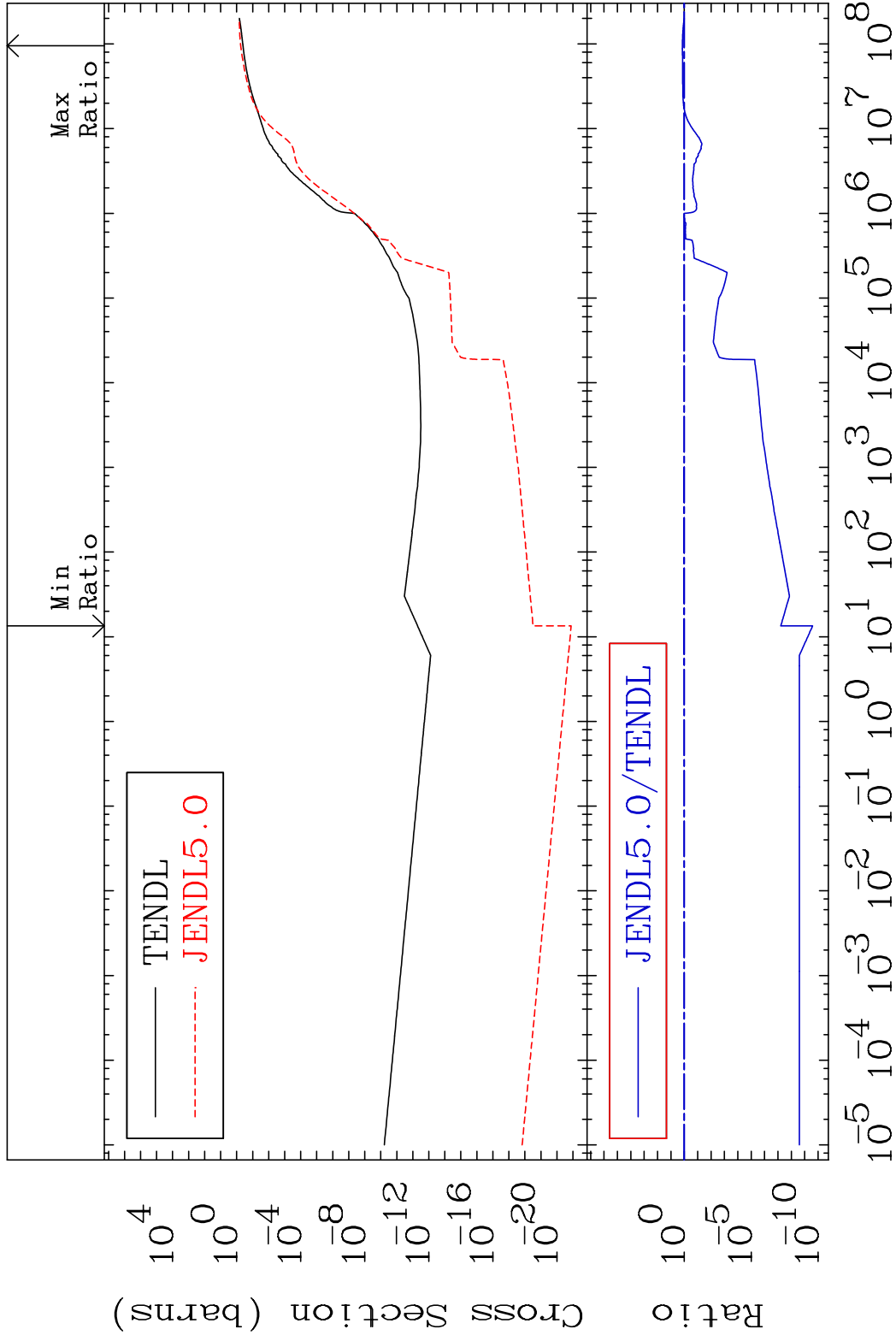
35-Br-82

MAT 3534

Hydrogen Production

35-Br-82

Cross Section -100.0 To 39.43 %



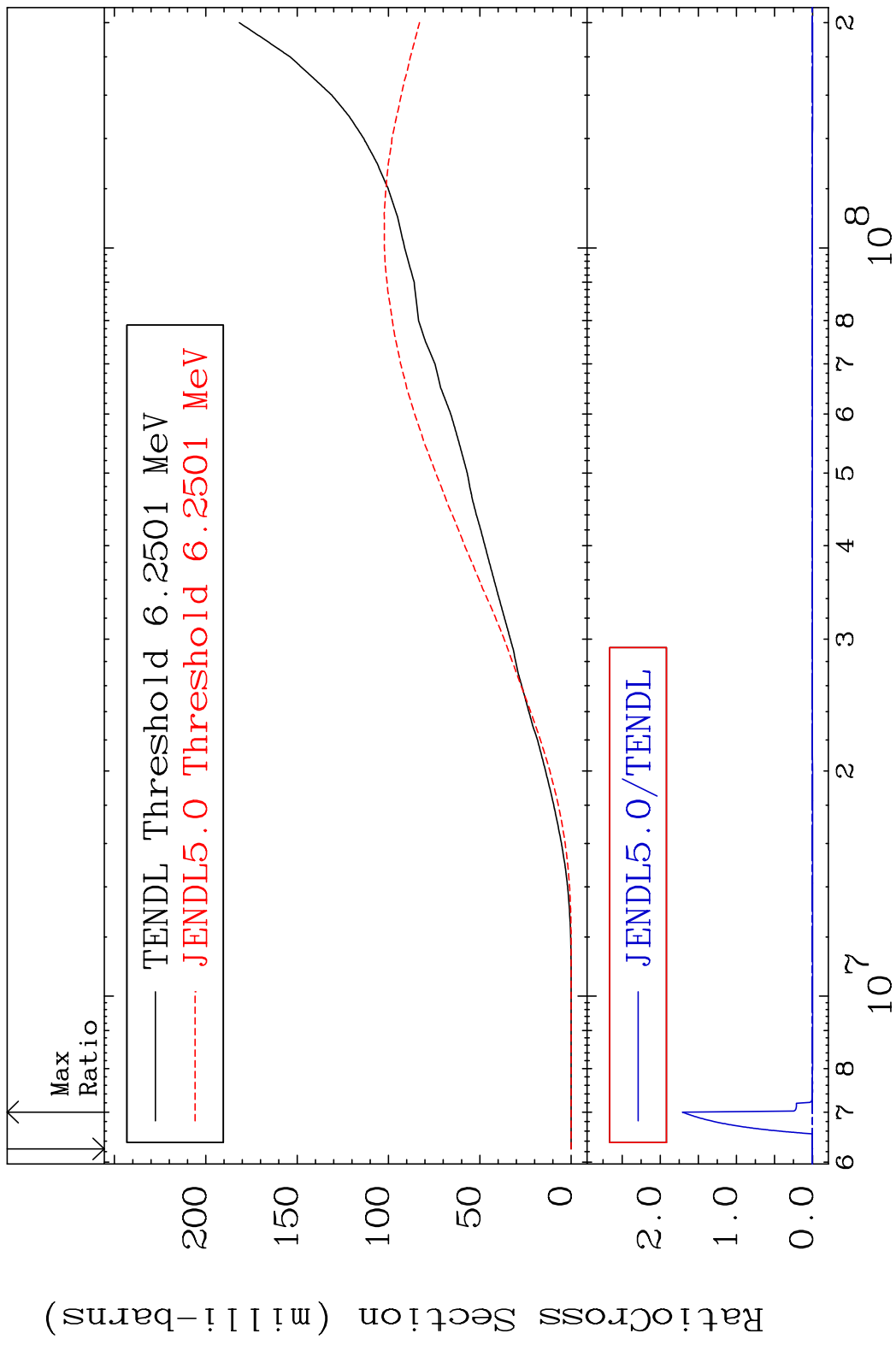
47

Incident Energy (eV)

35-Br-82

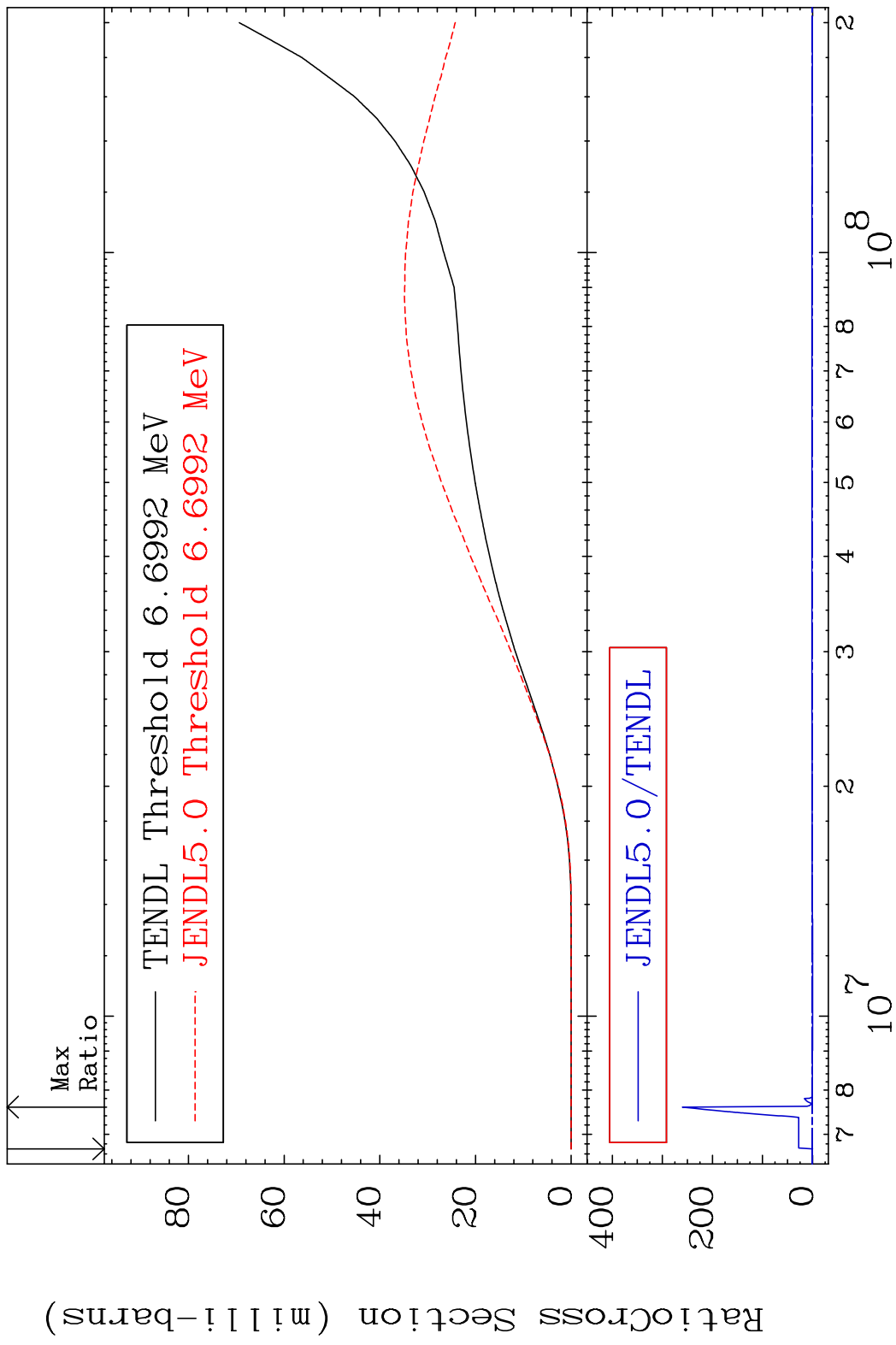


MAT 3534 Deuterium Production 35-Br-82  
 Cross Section -100.0 To 9999. %



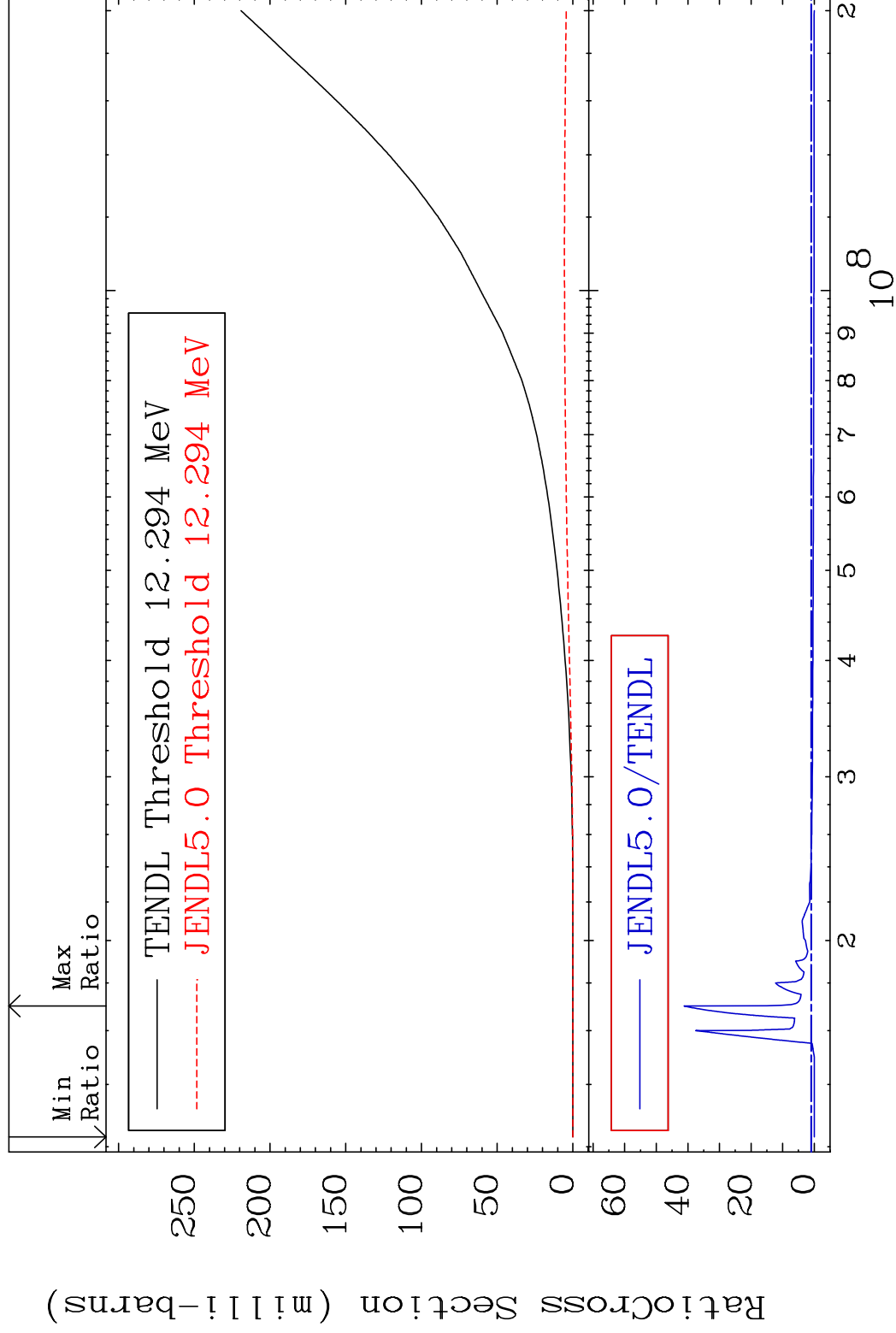
48 35-Br-82

MAT 3534 Tritium Production 35-Br-82  
 Cross Section -100.0 To 9999. %



49 35-Br-82

Cross Section -100.0 To 4020. %

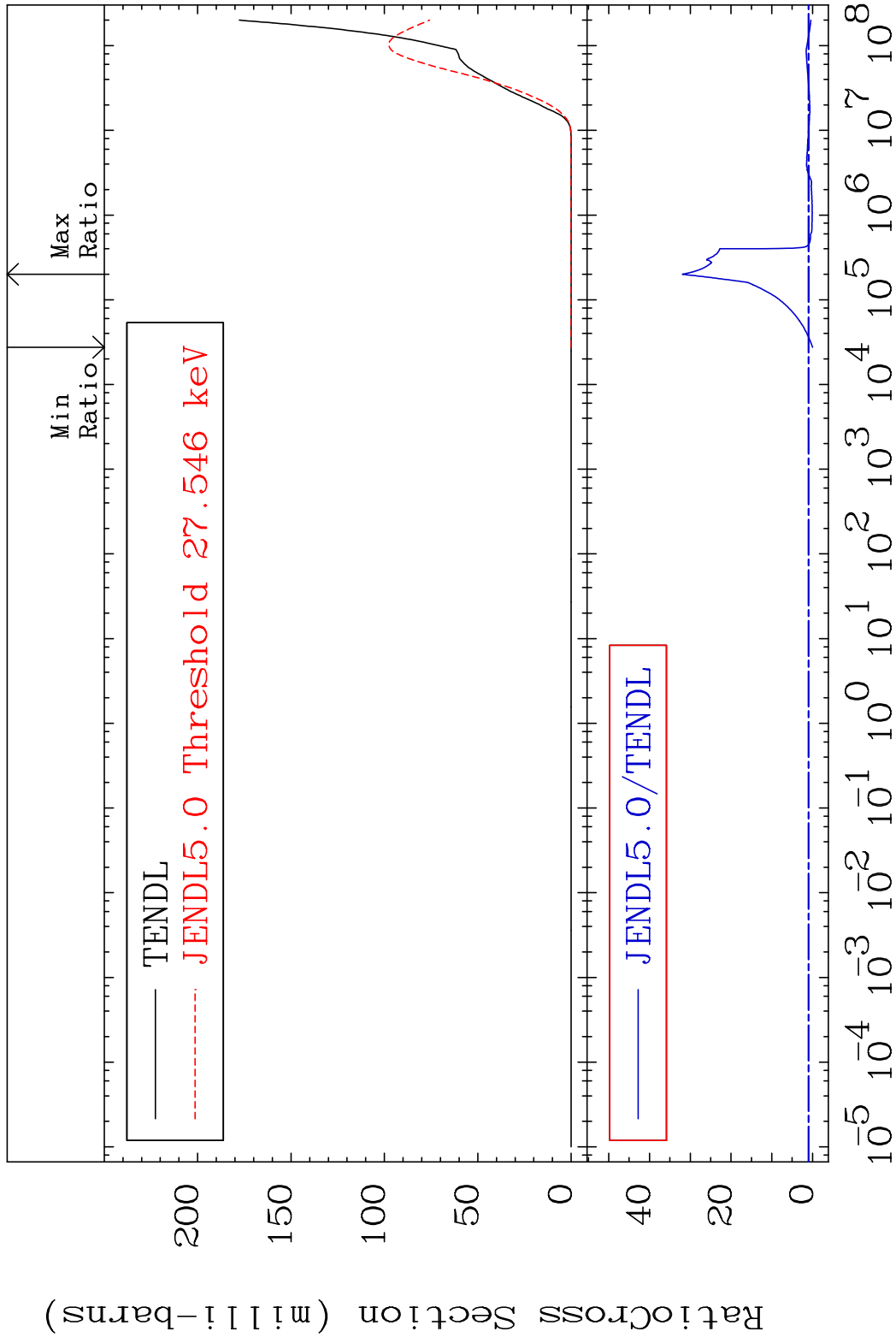


MAT 3534

He-4 Production

35-Br-82

Cross Section -100.0 To 3094. %

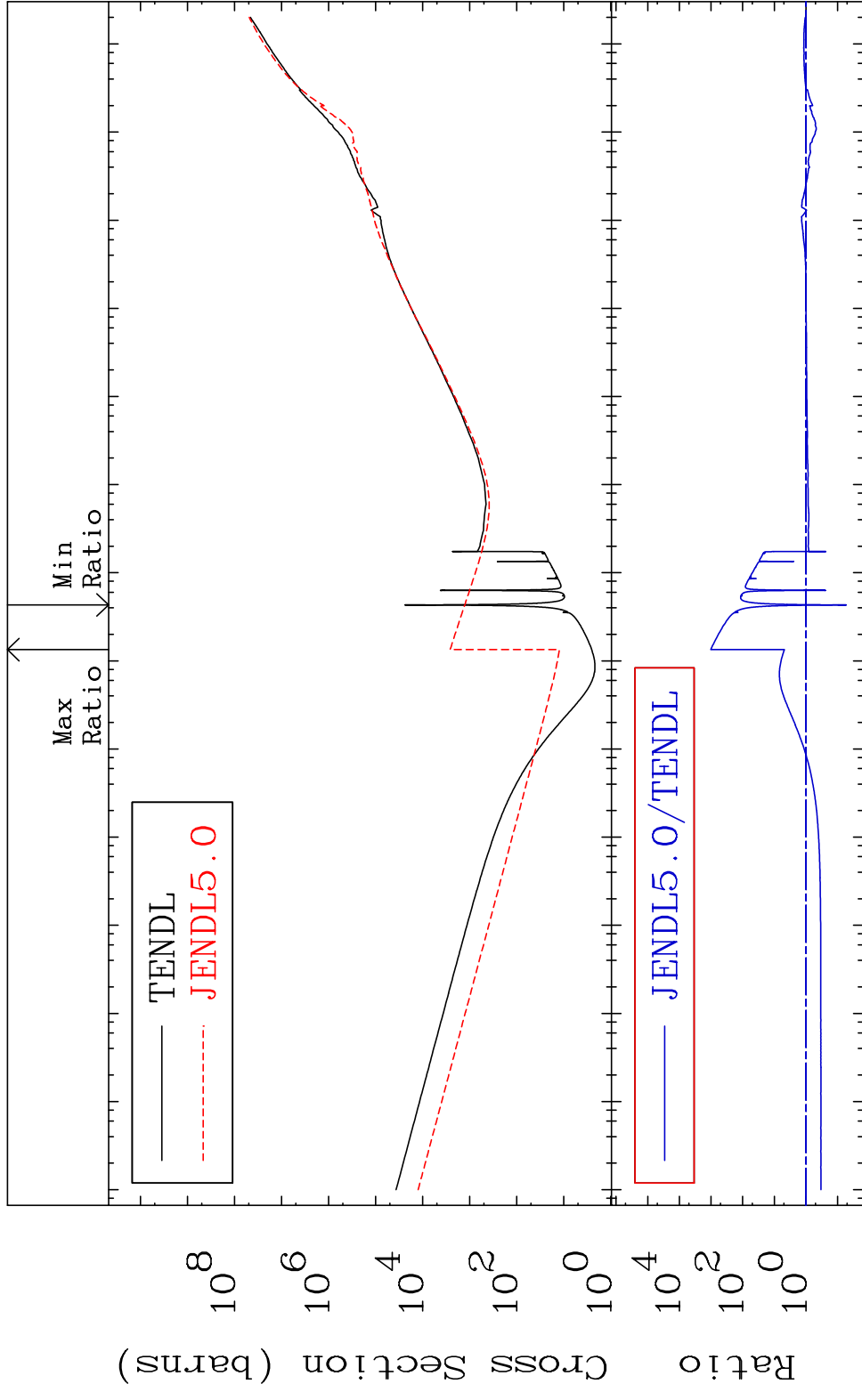


51

Incident Energy (eV)

35-Br-82

MAT 3534 Kerma total (eV-barns) 35-Br-82  
 Cross Section -94.68 To 9999. %



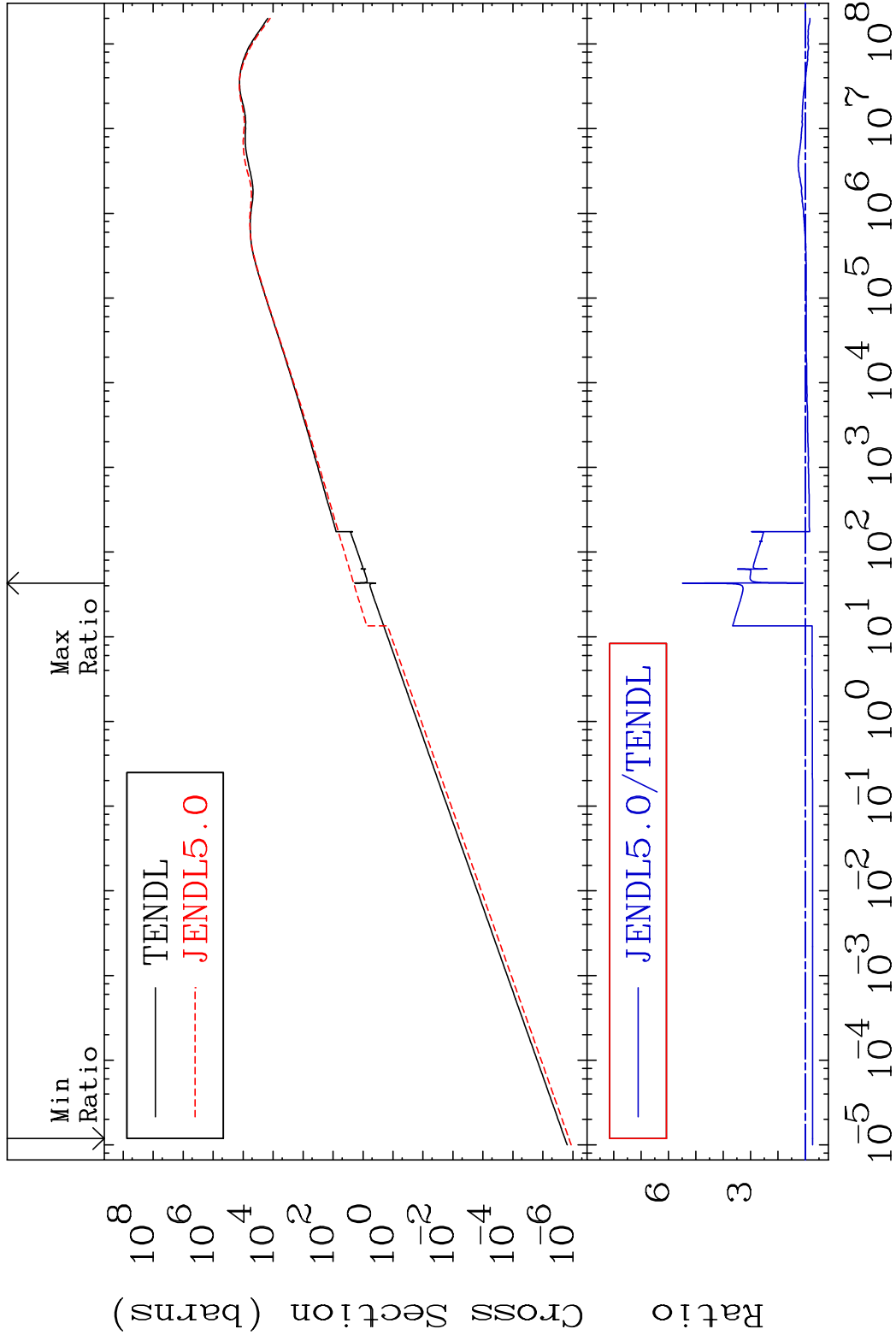
52 Incident Energy (eV) 35-Br-82

MAT 3534

Kerma elastic

35-Br-82

Cross Section -26.67 To 449.3 %

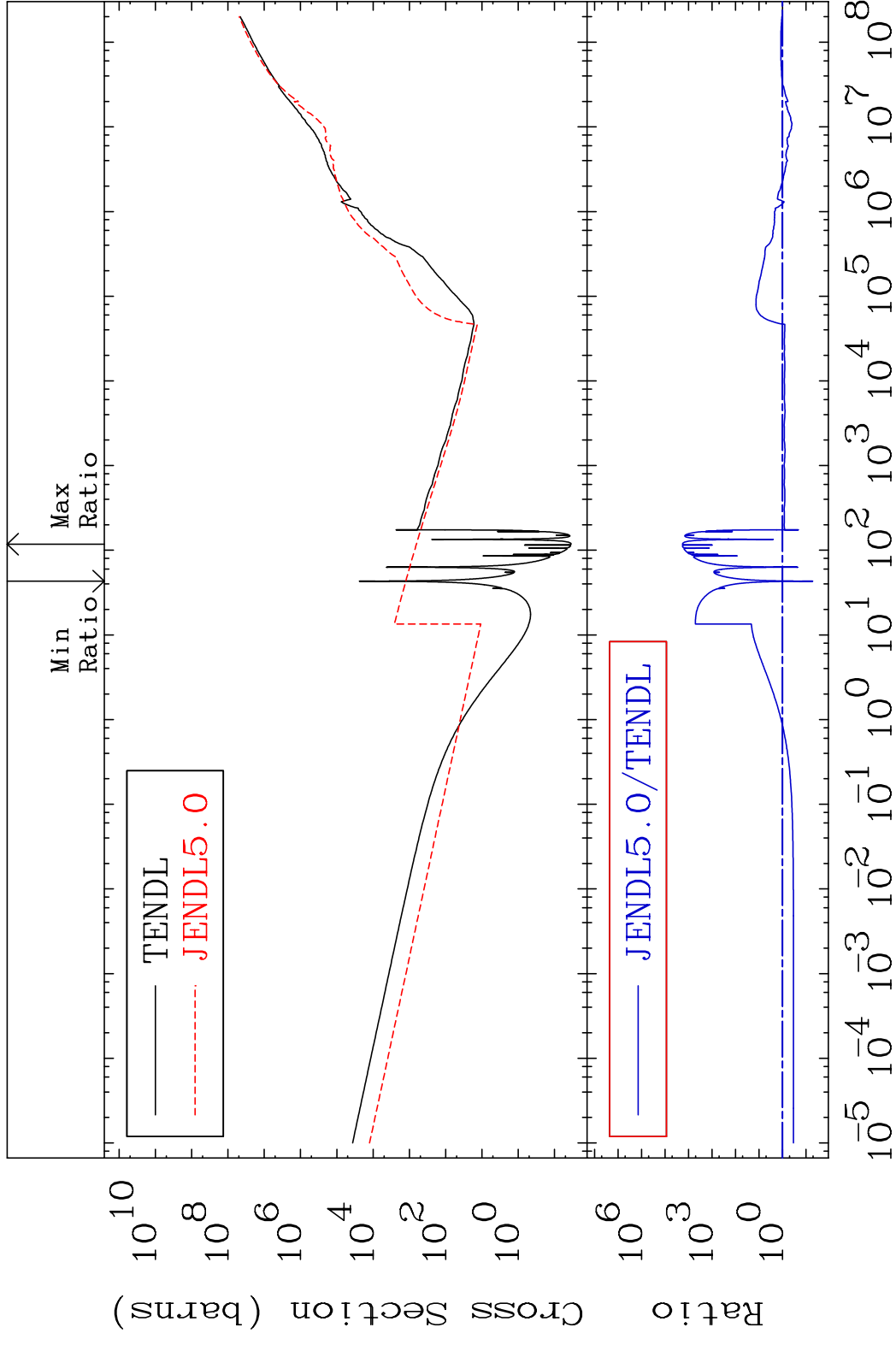


53

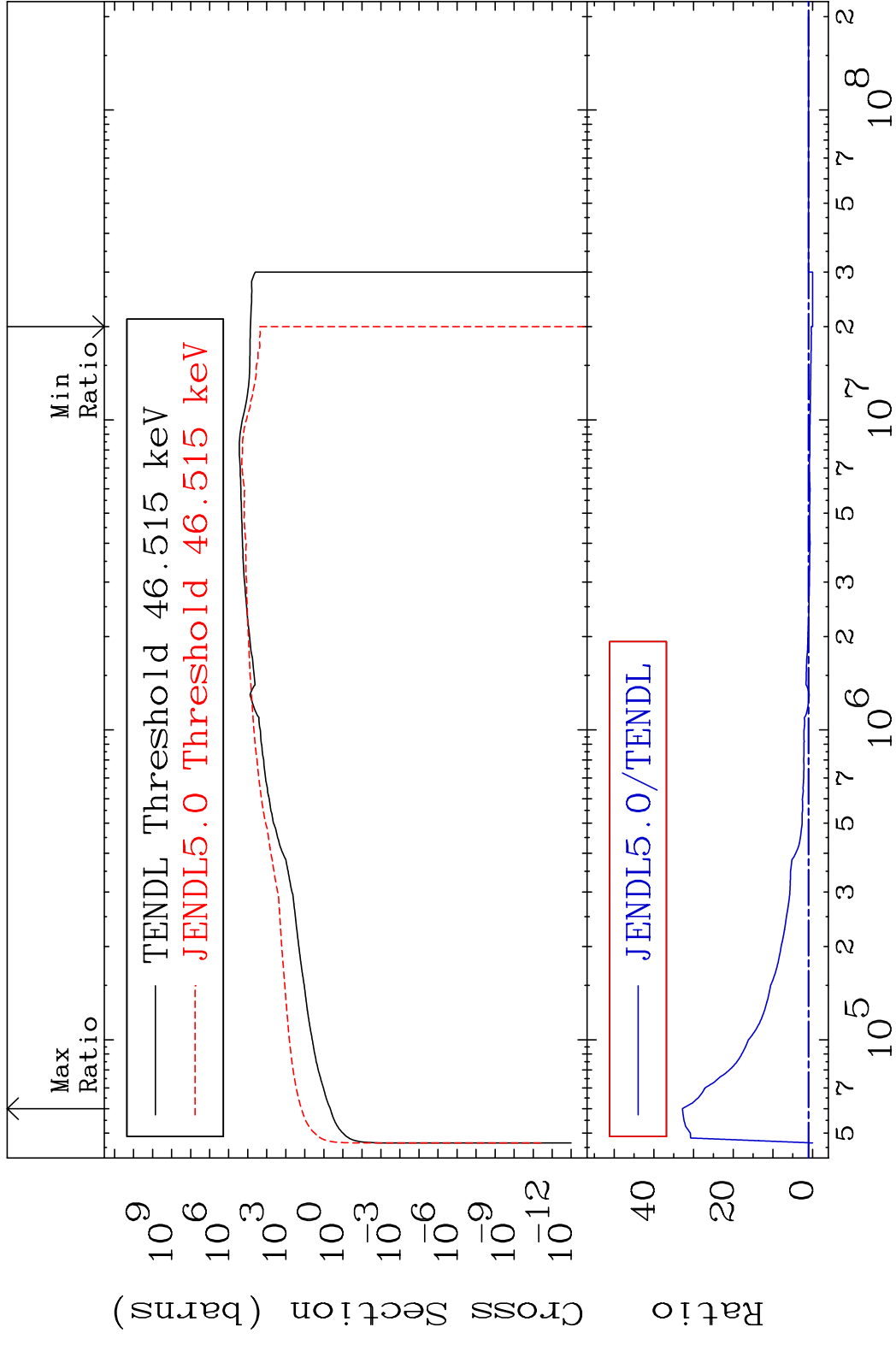
Incident Energy (eV)

35-Br-82

MAT 3534 Kerma non-elastic (all but mt2) 35-Br-82  
 Cross Section -94.76 To 9999. %

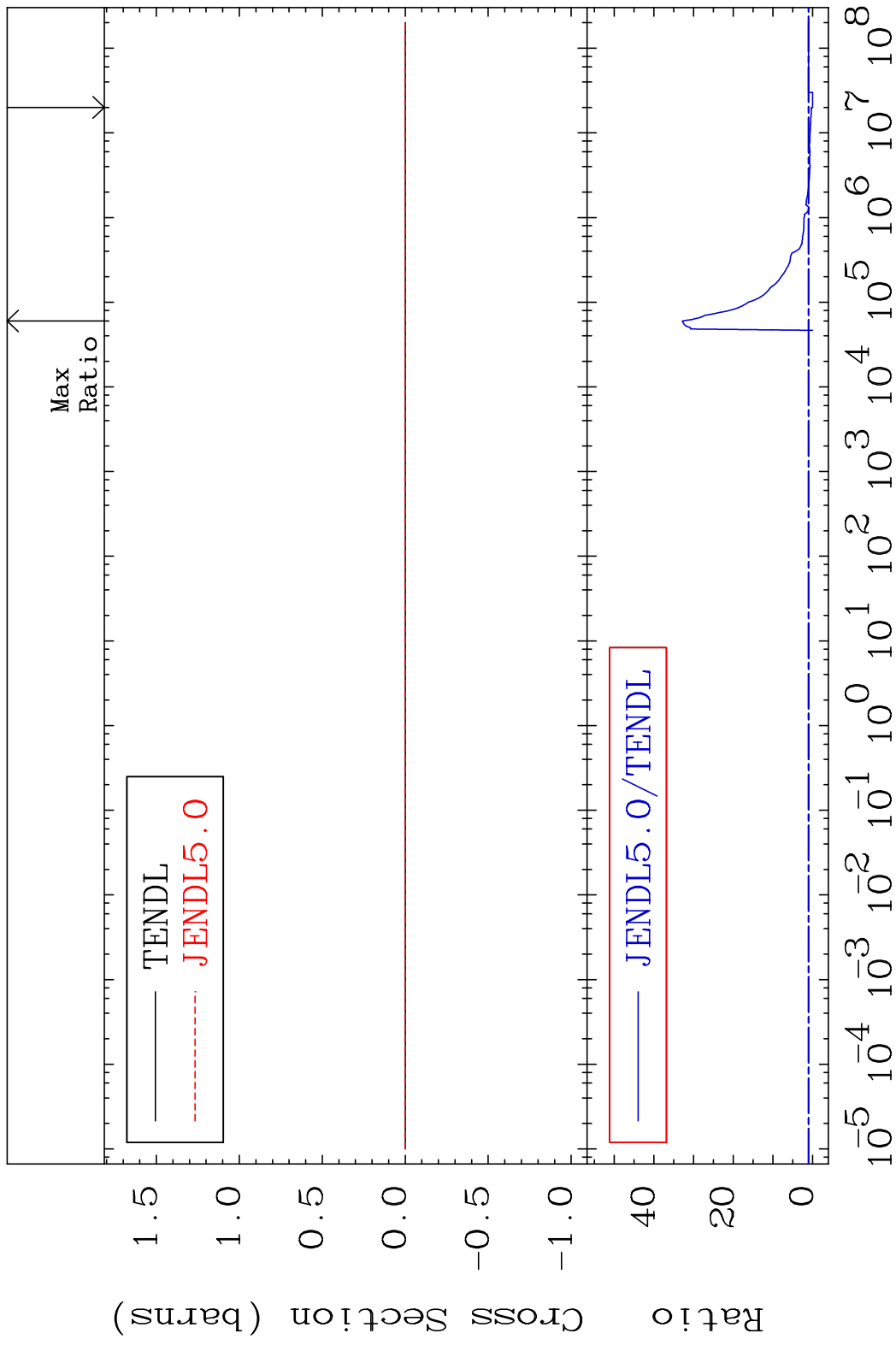


MAT 3534 Kerma inelastic (mt51-91) 35-Br-82  
 Cross Section -100.0 To 3183. %





MAT 3534 Kerma fission (mt18 or mt19-20-21-38) 35-Br-82  
 Cross Section -100.0 To 3183. %

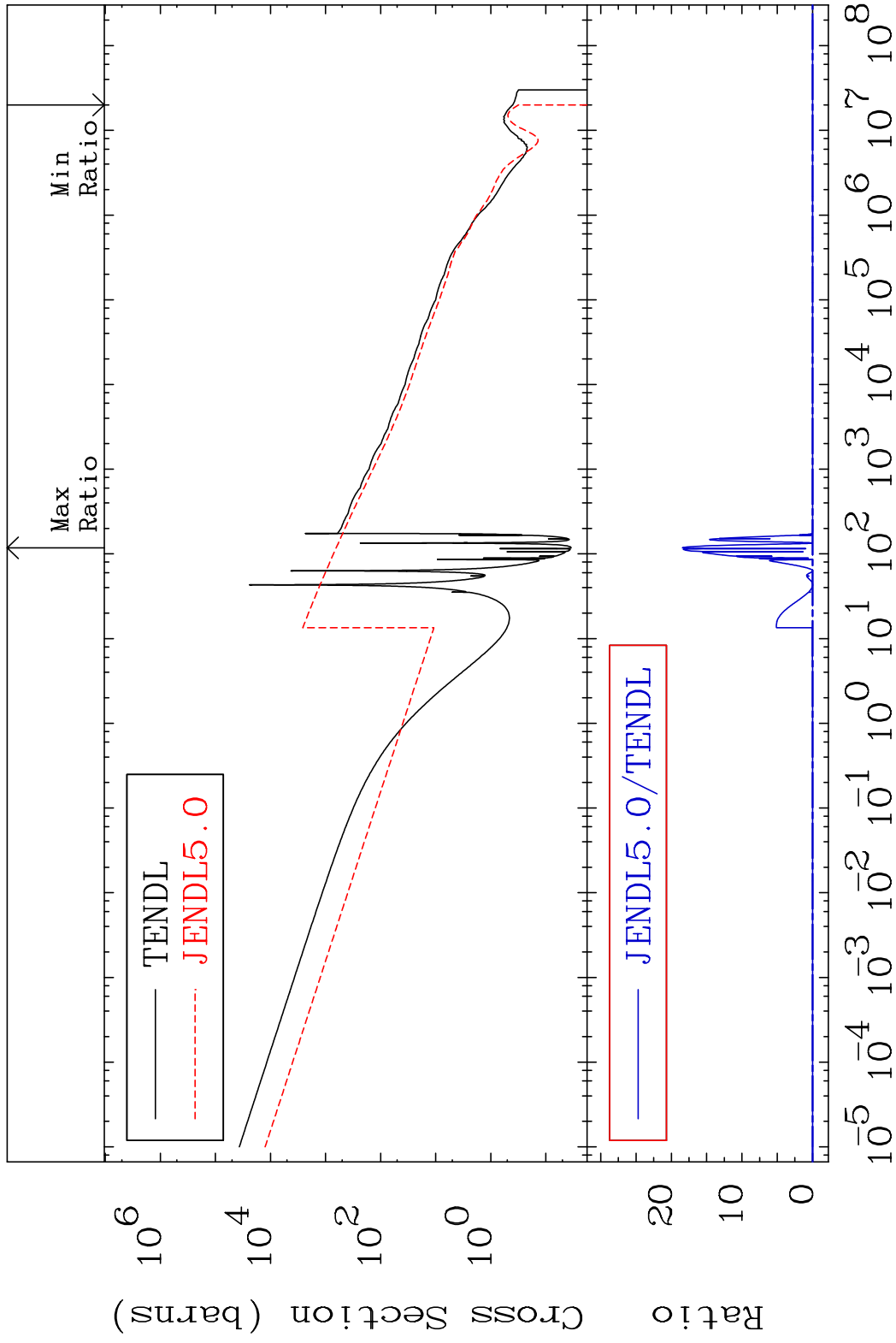


MAT 3534

Kerma capture (mt102)

35-Br-82

Cross Section -100.0 To 9999. %

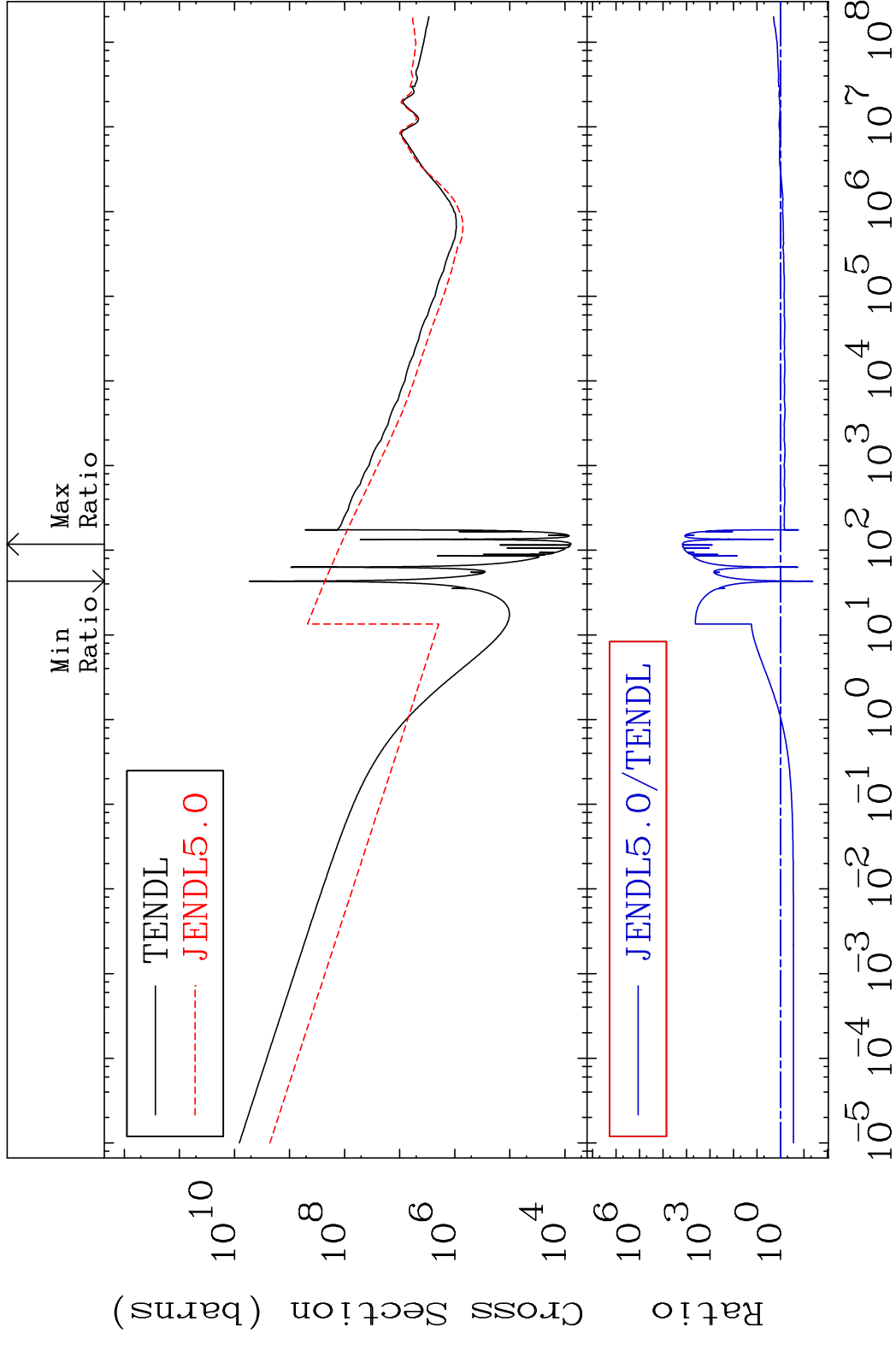


57

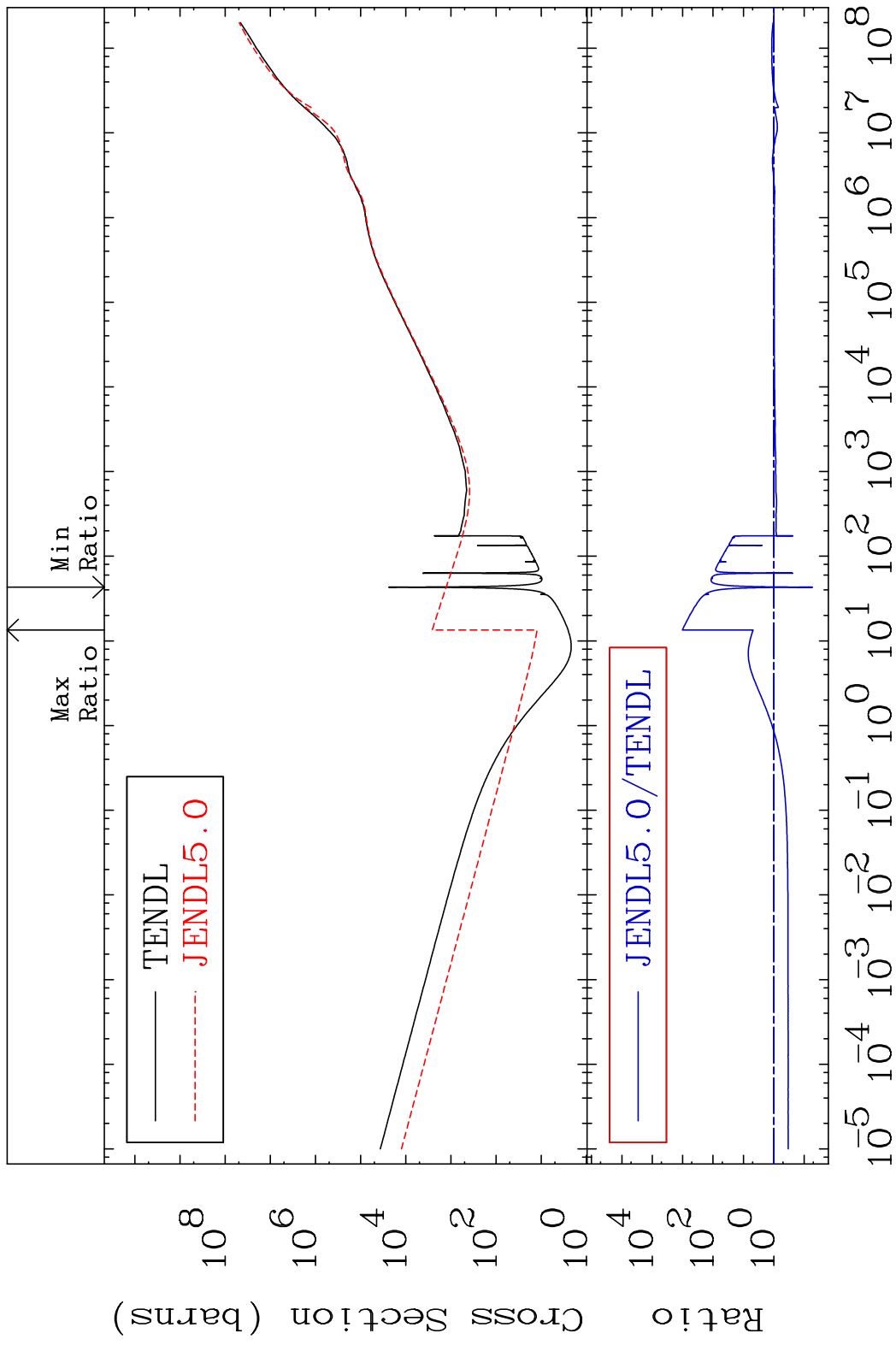
Incident Energy (eV)

35-Br-82

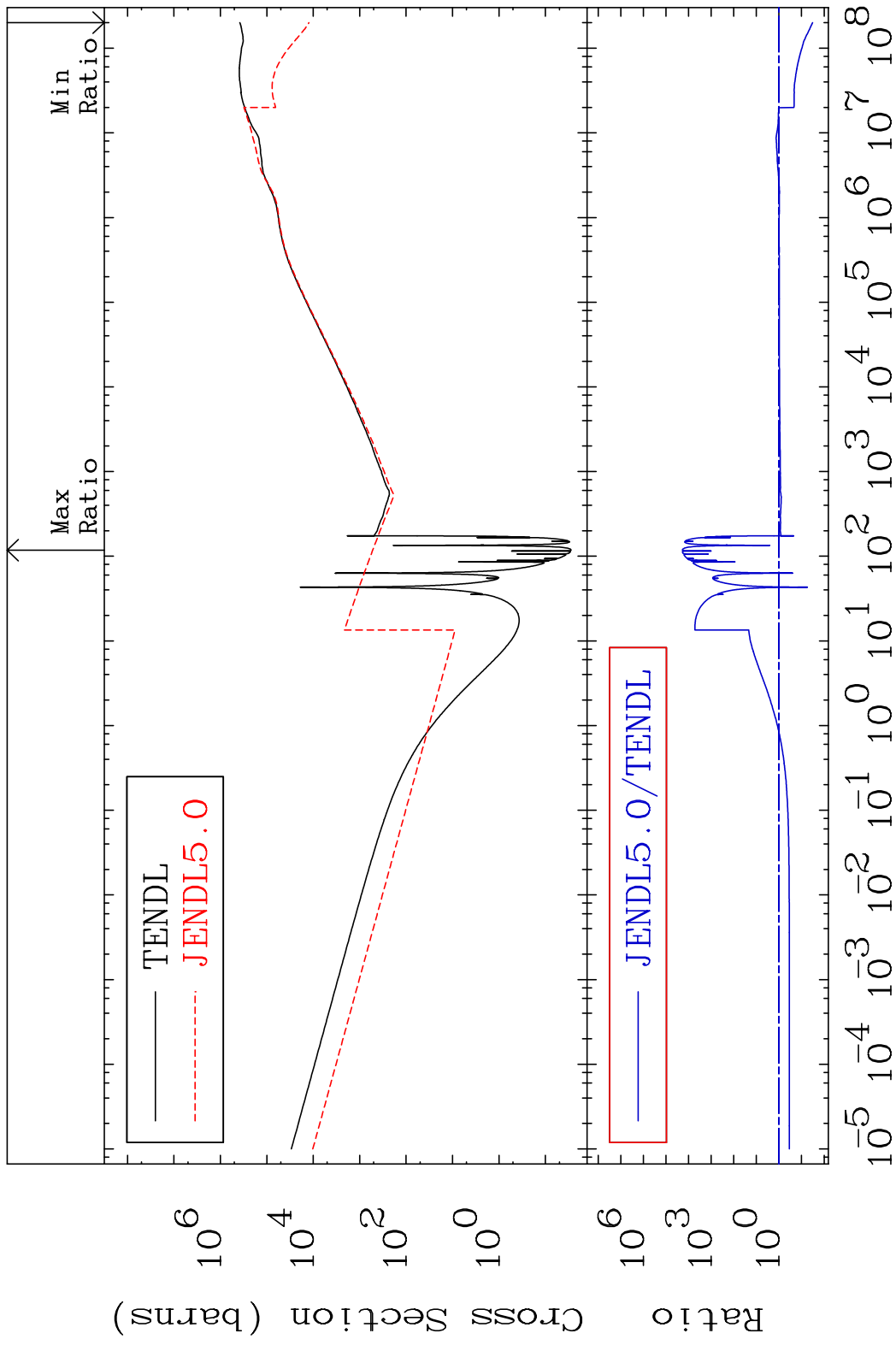
MAT 3534 Total photon (eV-barns) 35-Br-82  
 Cross Section -95.72 To 9999. %



MAT 3534 Total kinematic kerma (high limit) 35-Br-82  
Cross Section -94.68 To 9999. %



MAT 3534      Dpa total (eV-barns)      35-Br-82  
 Cross Section      -96.75 To 9999. %



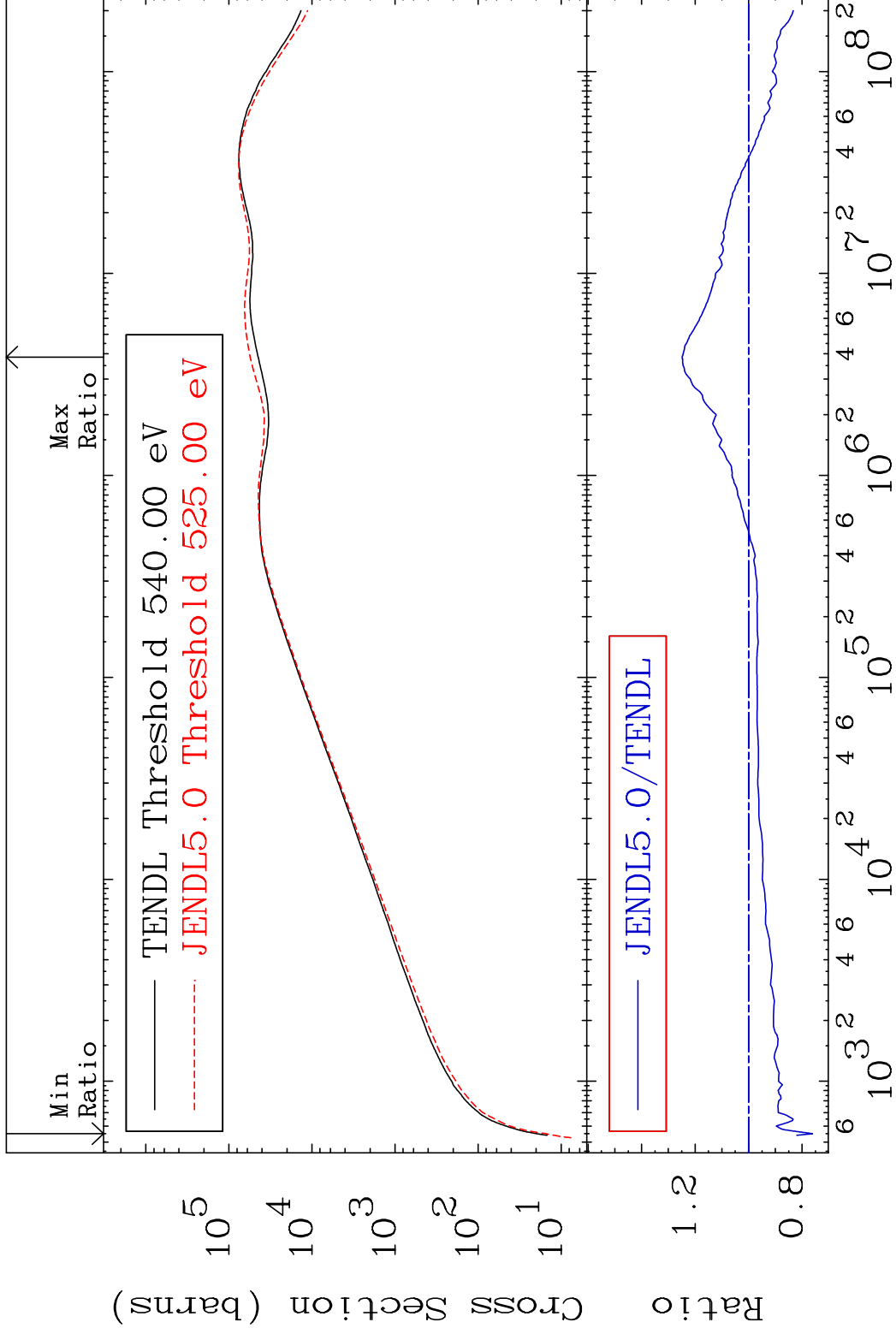
60      Incident Energy (eV)      35-Br-82

MAT 3534

Dpa elastic (mt2)

35-Br-82

Cross Section -23.88 To 24.84 %

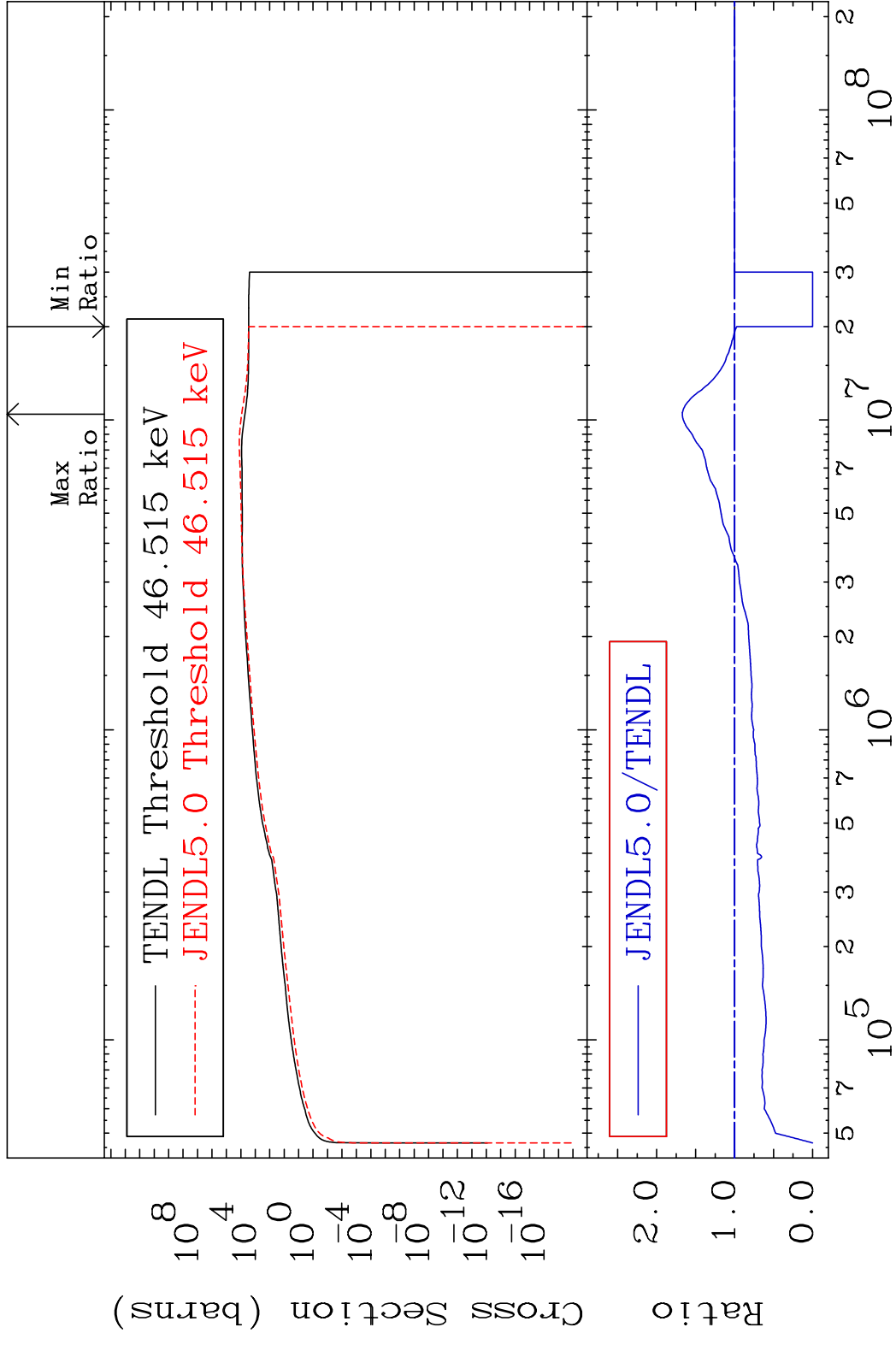


61

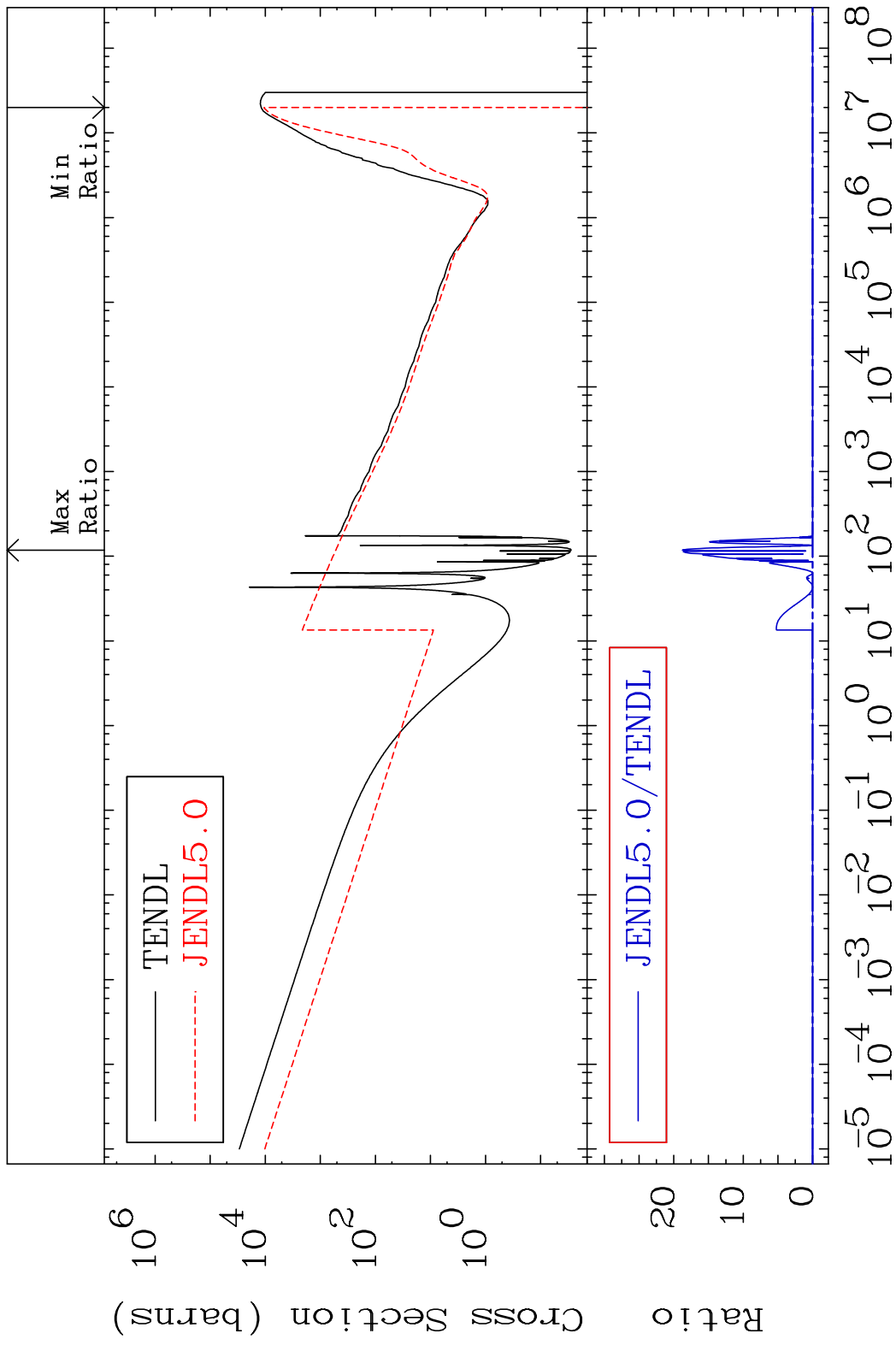
Incident Energy (eV)

35-Br-82

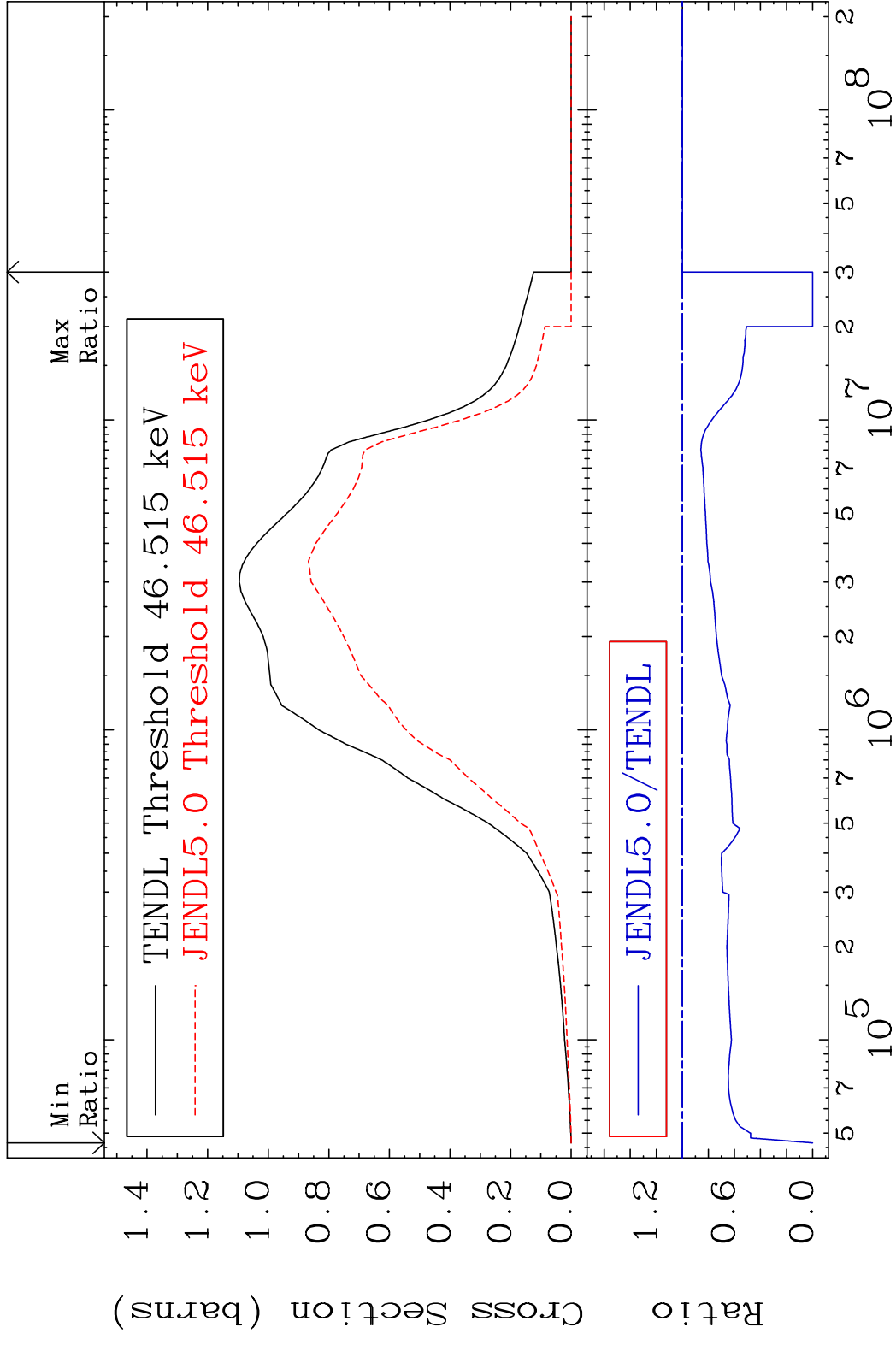
MAT 3534 Dpa inelastic (mt51-91) 35-Br-82  
 Cross Section -100.0 To 67.07 %



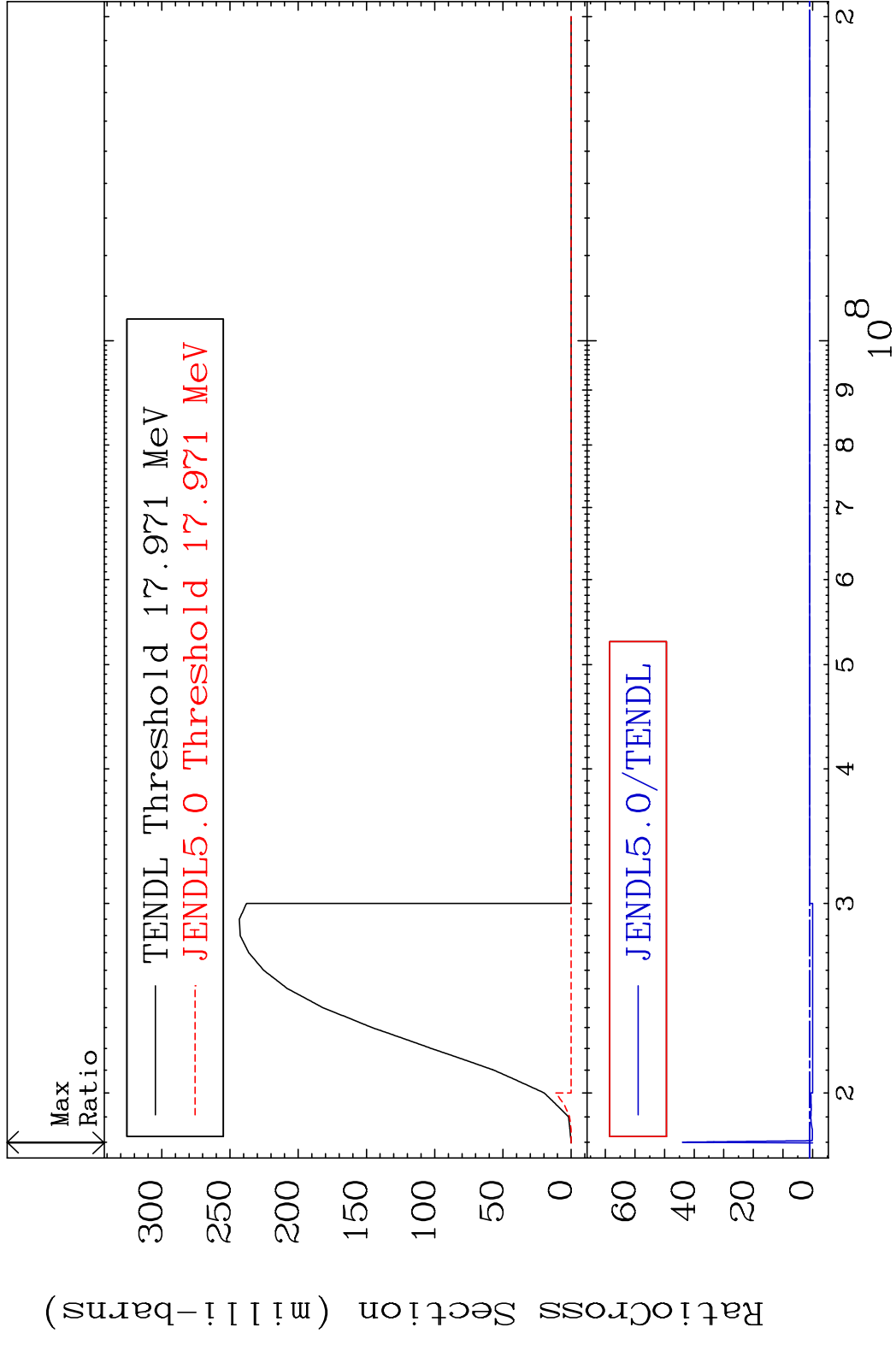
MAT 3534 Dpa disappearance (mt102 -120) 35-Br-82  
 Cross Section -100.0 To 9999. %

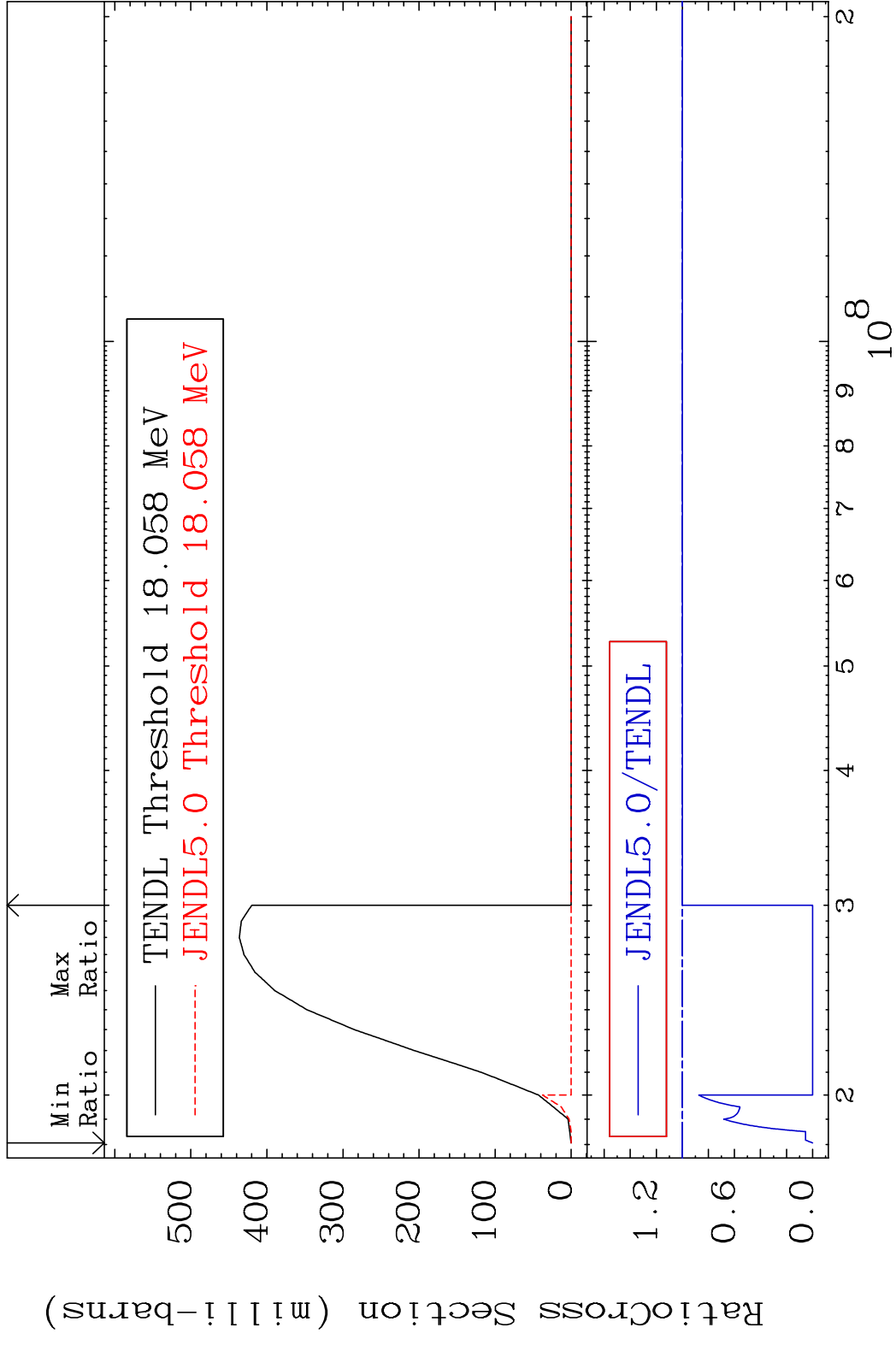




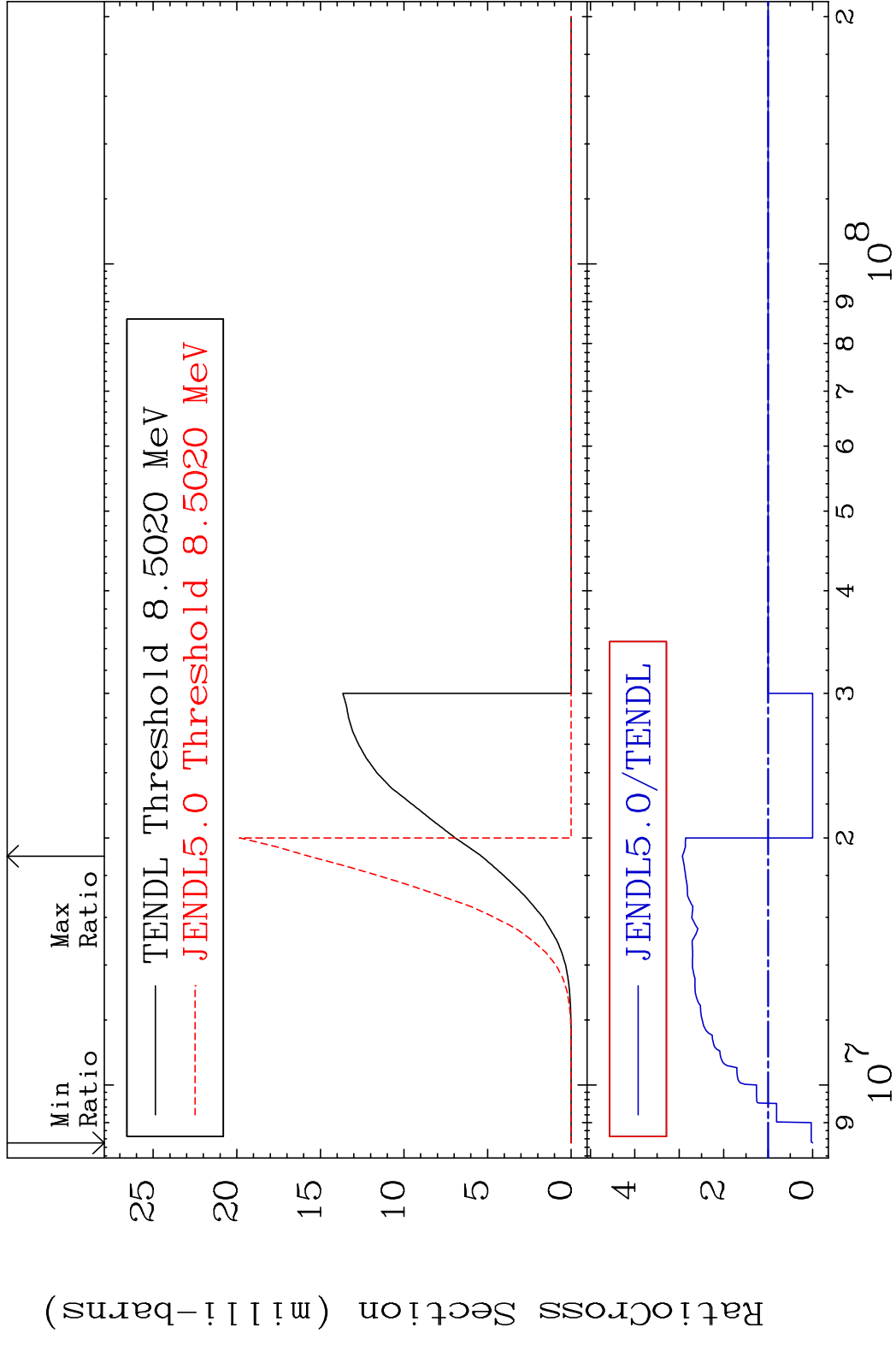


MAT 3534 (n,3n):35-Br-80g 35-Br-82  
 Radionuclide Production Cross Section 4298. %

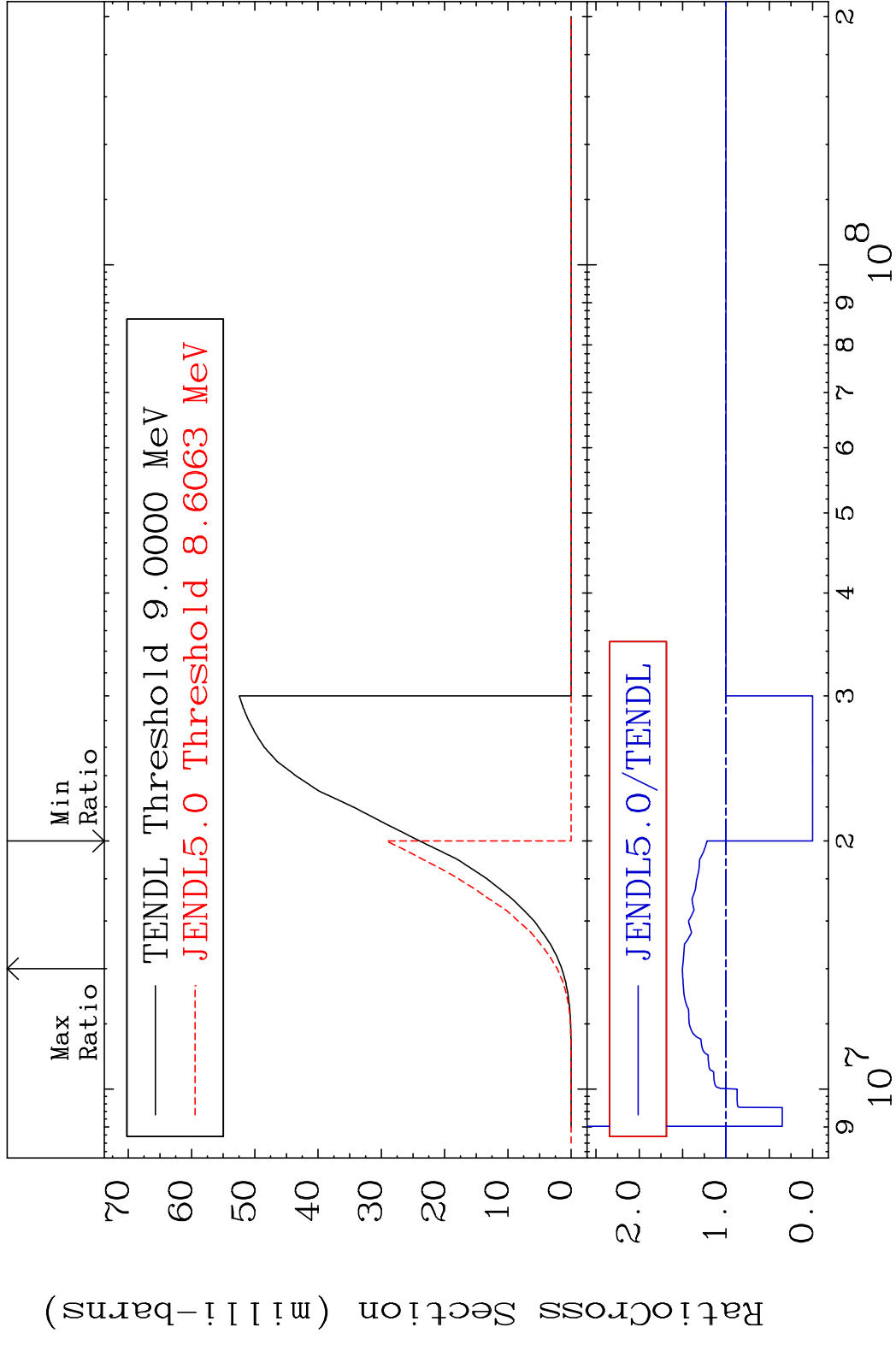


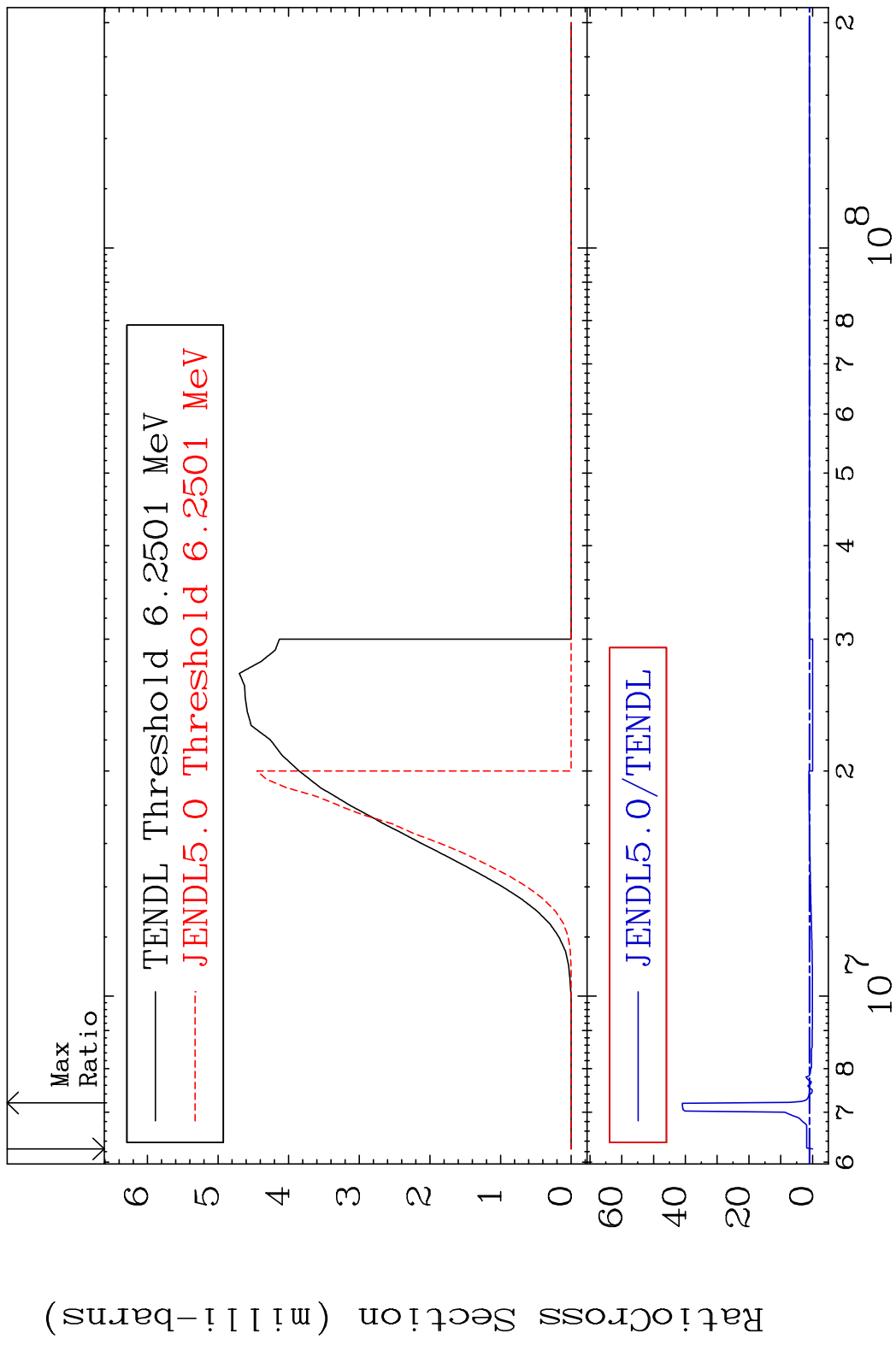


MAT 3534 (n, n') p:34-Se-81g 35-Br-82  
 Radionuclide Production Cross Section 193.0 %

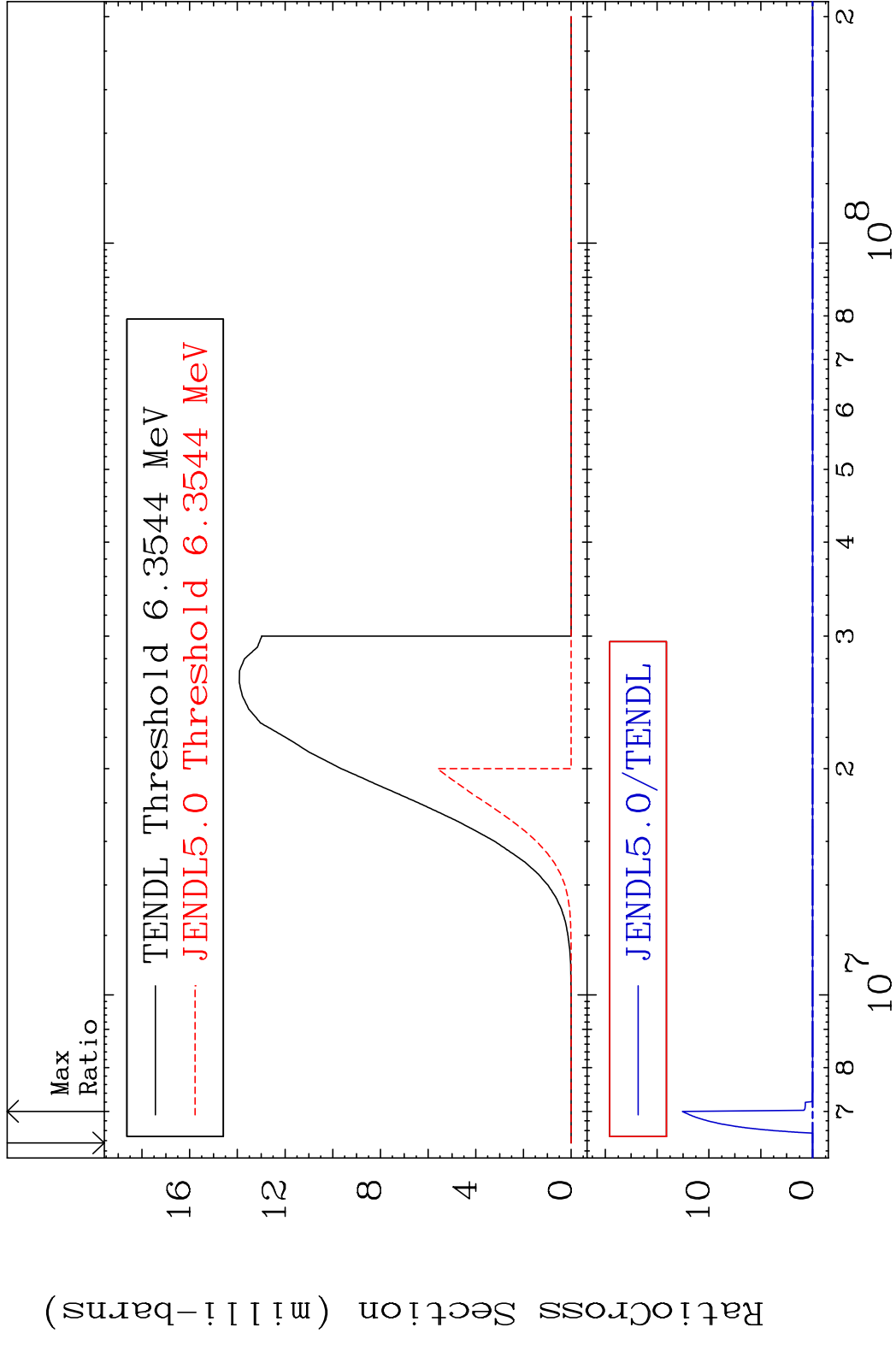


MAT 3534 (n, n') p:34-Se-81m1 35-Br-82  
 Radionuclide Production Cross Section 180.01 dth 50.33 %





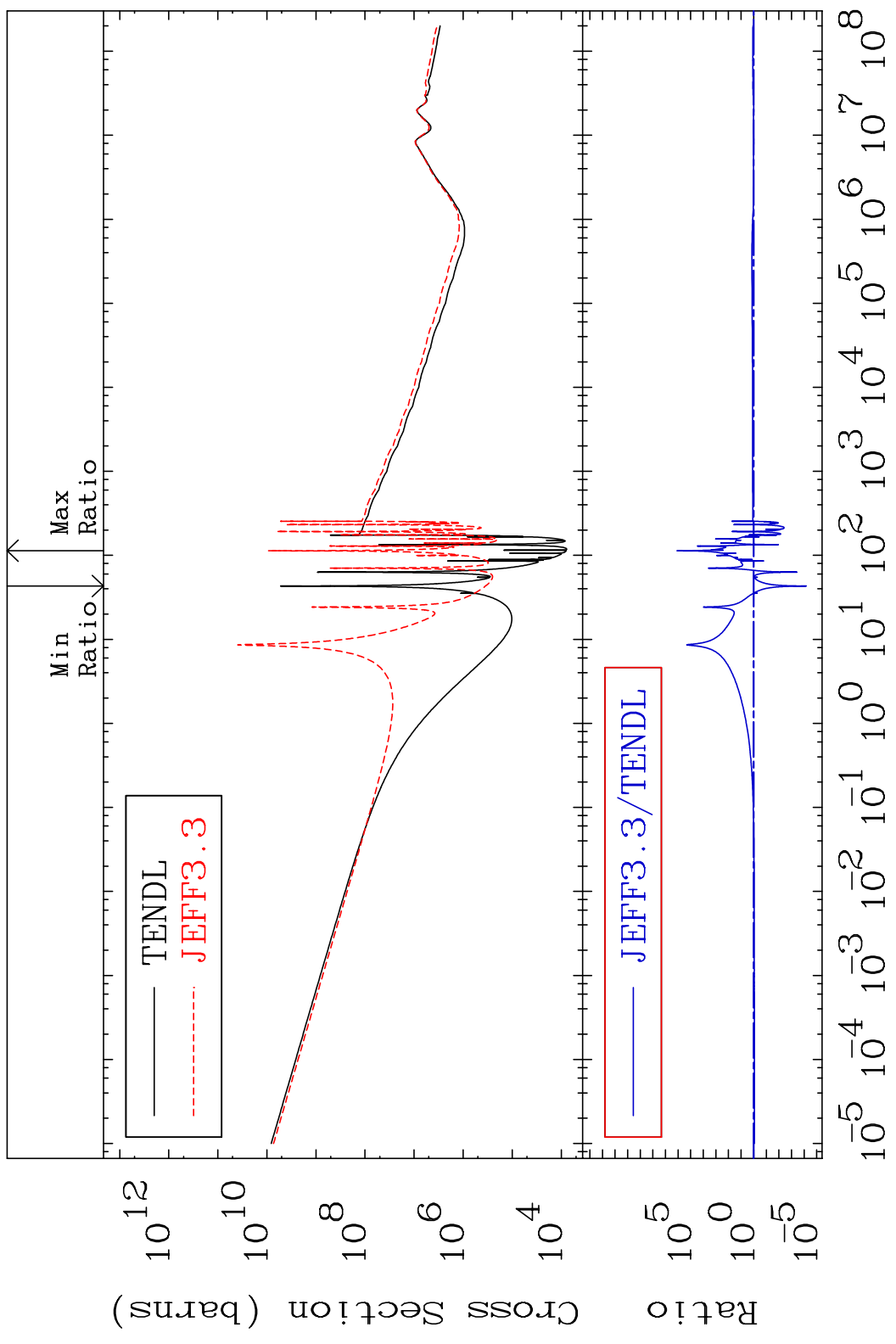
MAT 3534 (n,d):34-Se-81m1 35-Br-82  
 Radionuclide Production Cross Section Ratio 9999. %



70 35-Br-82

MAT 3534

Total photon (eV-barns) 35-Br-82  
Cross Section -99.99 To 9999. %



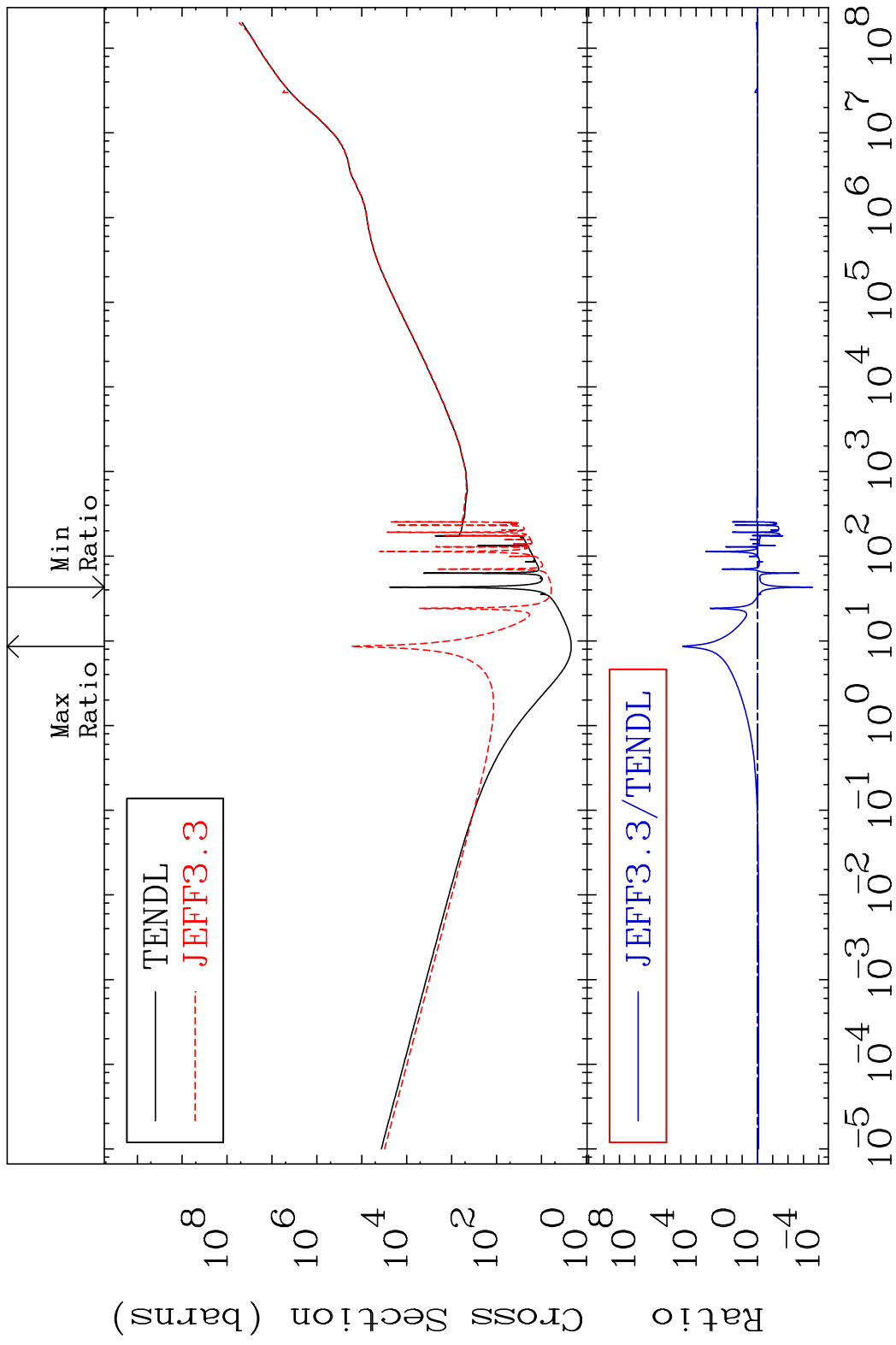
71

Incident Energy (eV)

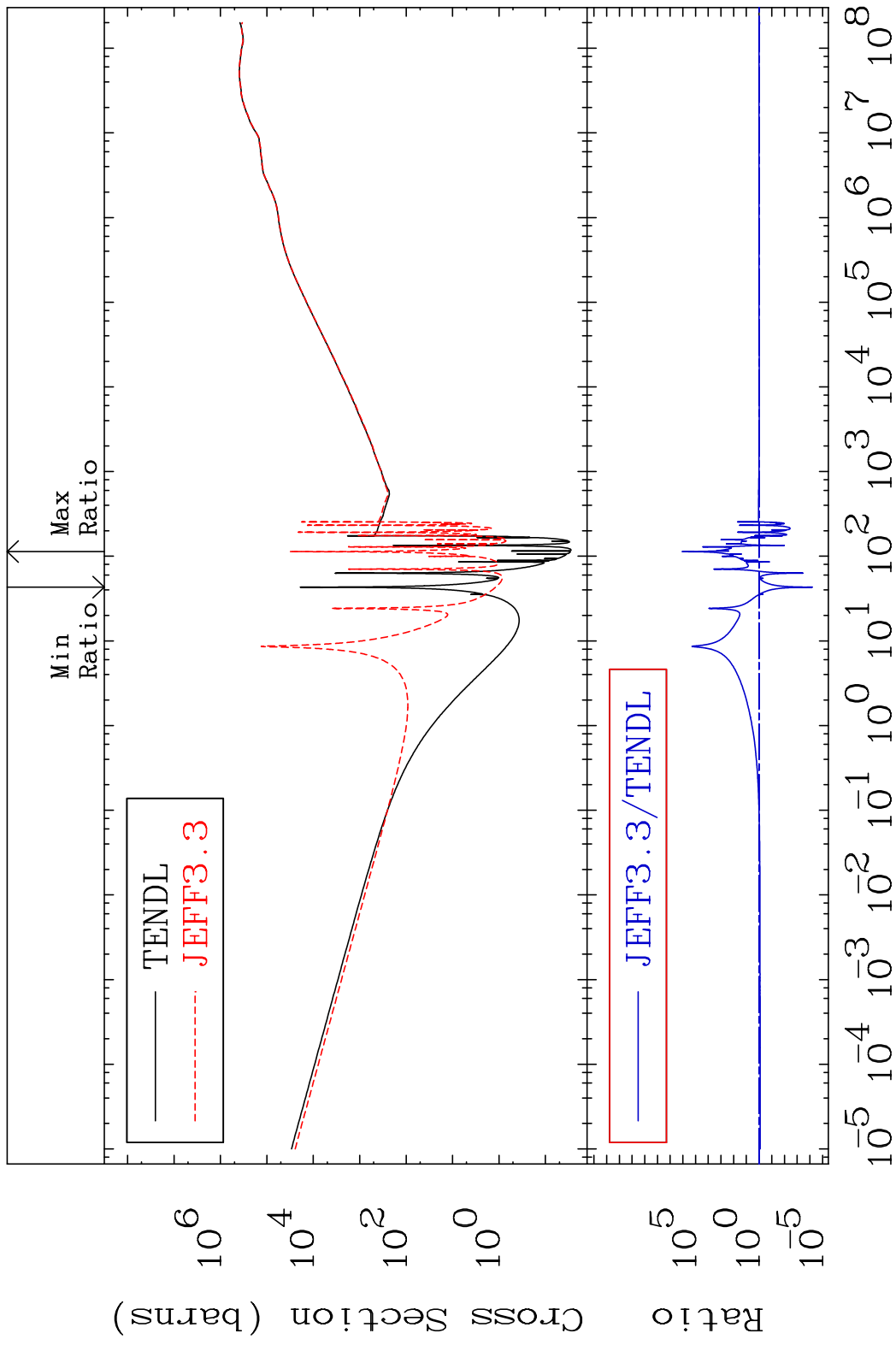
35-Br-82



MAT 3534 Total kinematic kerma (high limit) 35-Br-82  
 Cross Section -99.97 To 9999. %



MAT 3534      Dpa total (eV-barns)      35-Br-82  
 Cross Section      -99.99 To 9999.99 %



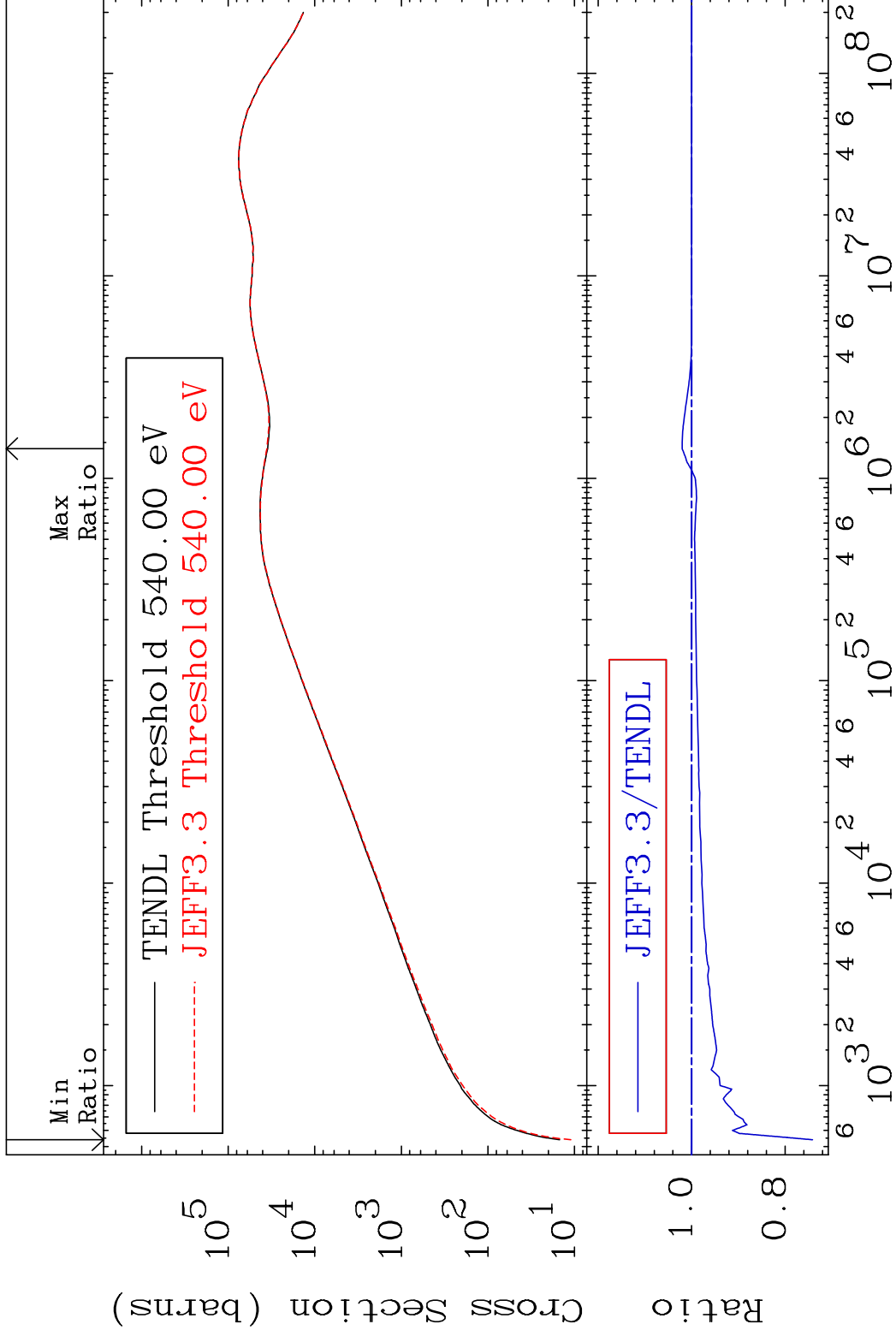
73      Incident Energy (eV)      35-Br-82

MAT 3534

Dpa elastic (mt2)

35-Br-82

Cross Section -25.86 To 2.026 %

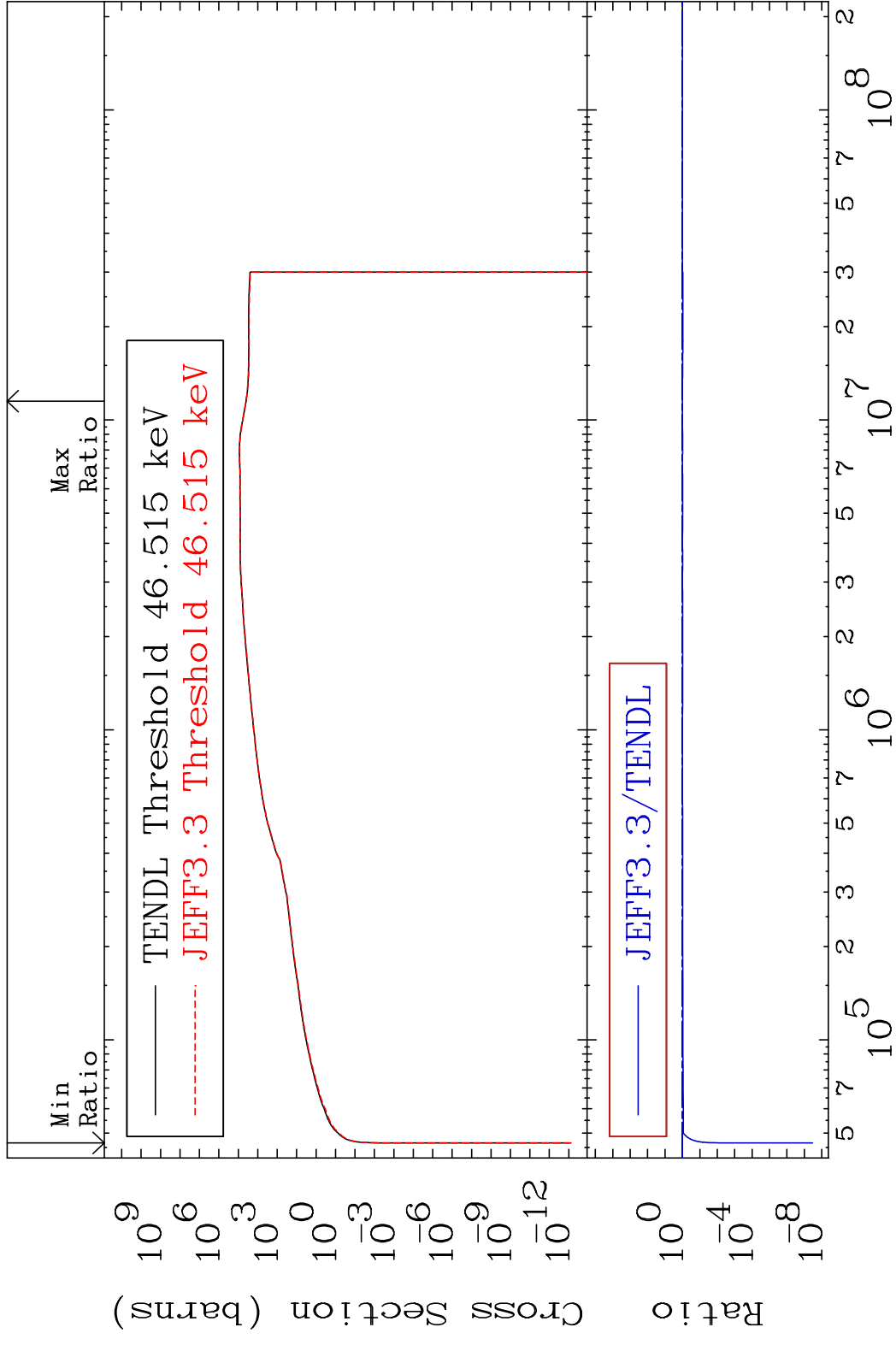


74

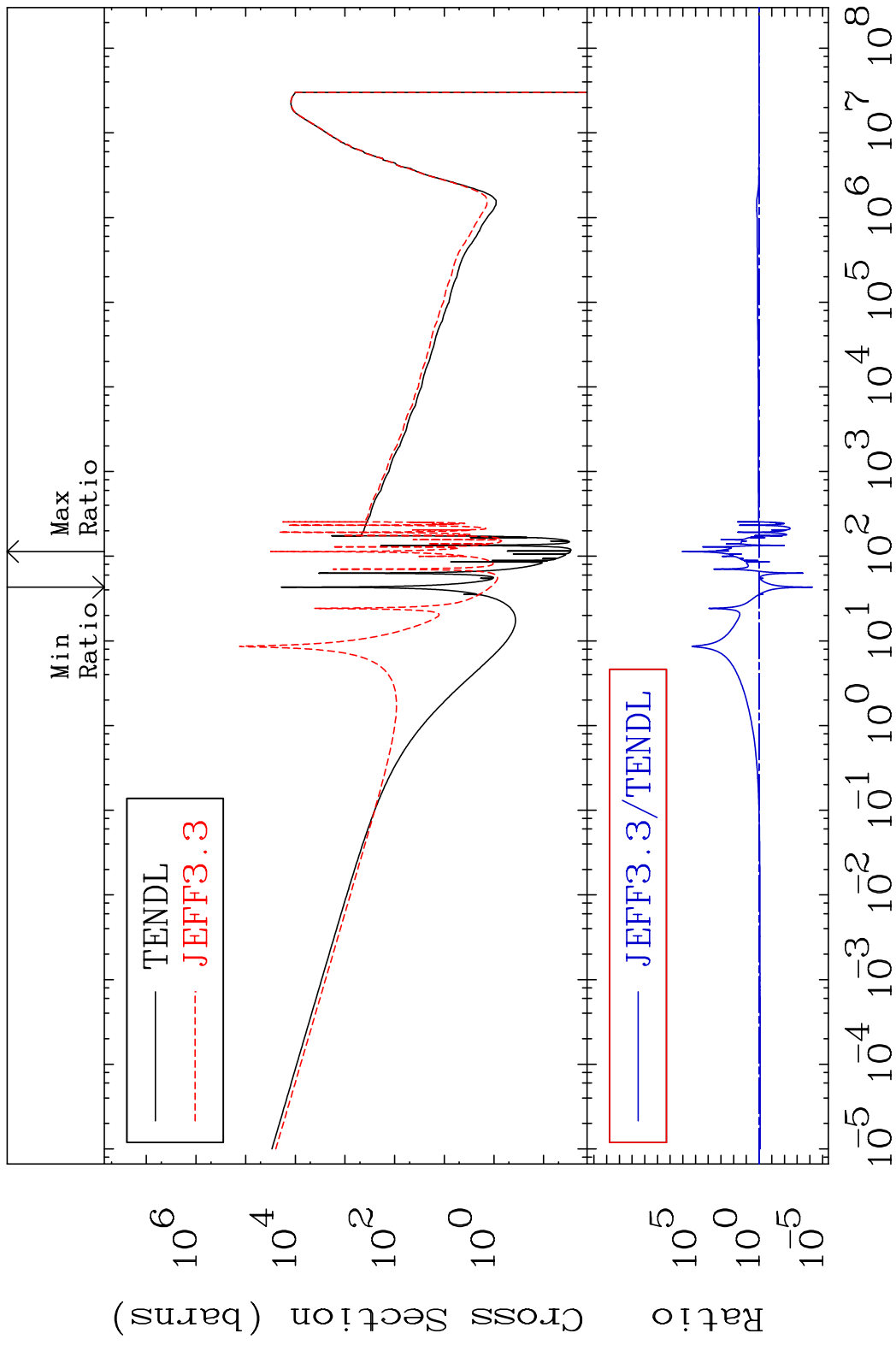
Incident Energy (eV)

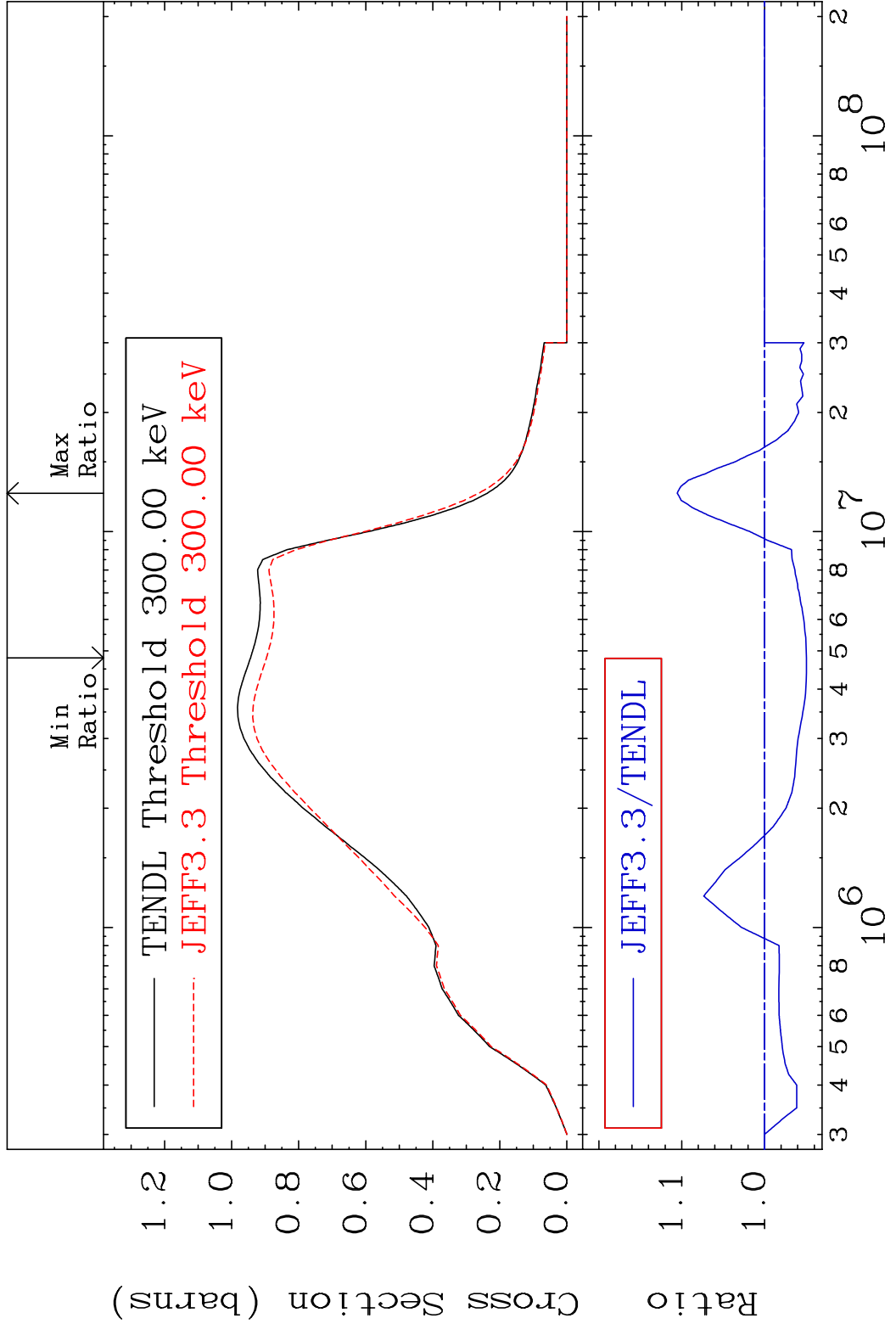
35-Br-82

MAT 3534 Dpa inelastic (mt51-91) 35-Br-82  
 Cross Section -100.0 To 0.972 %

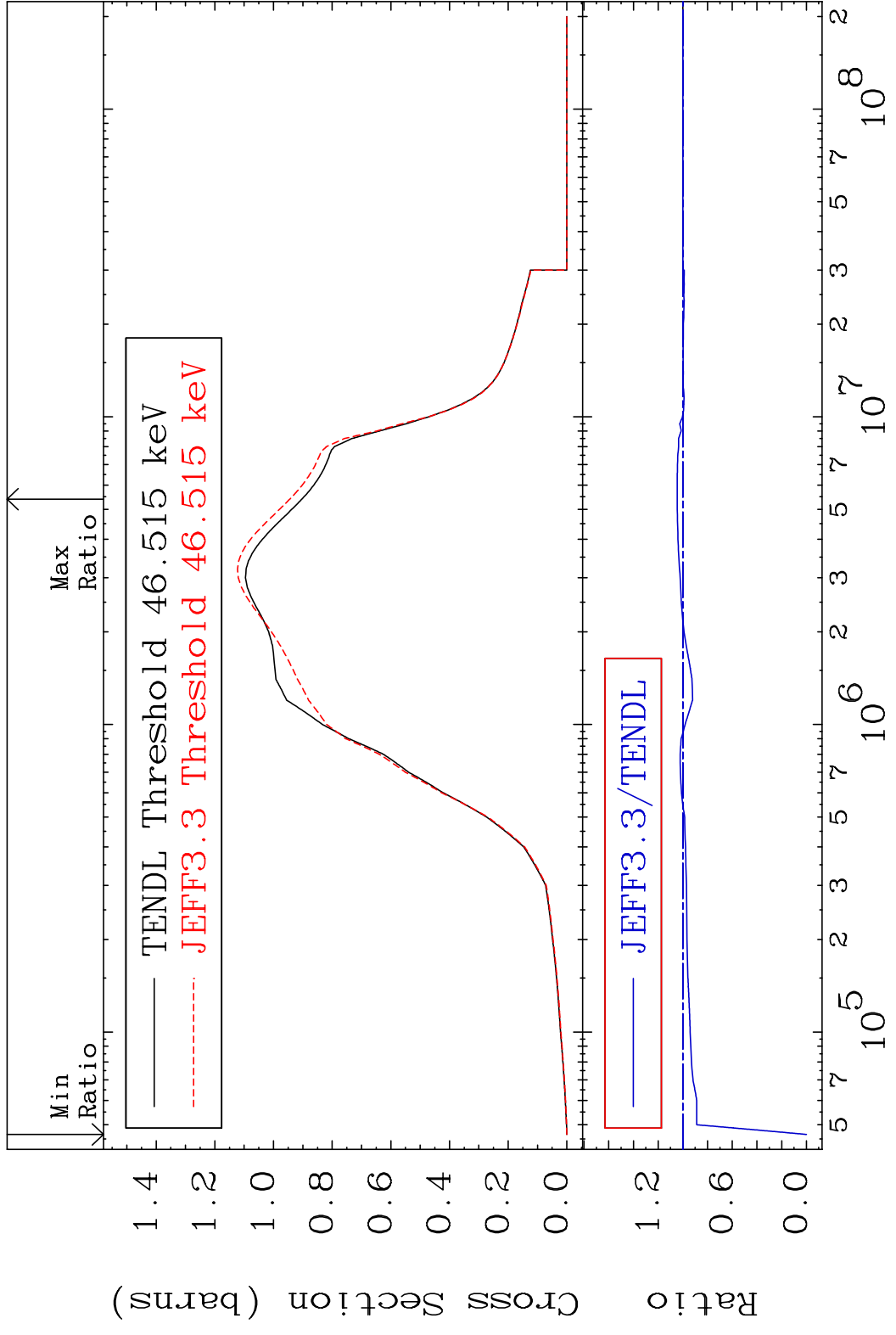


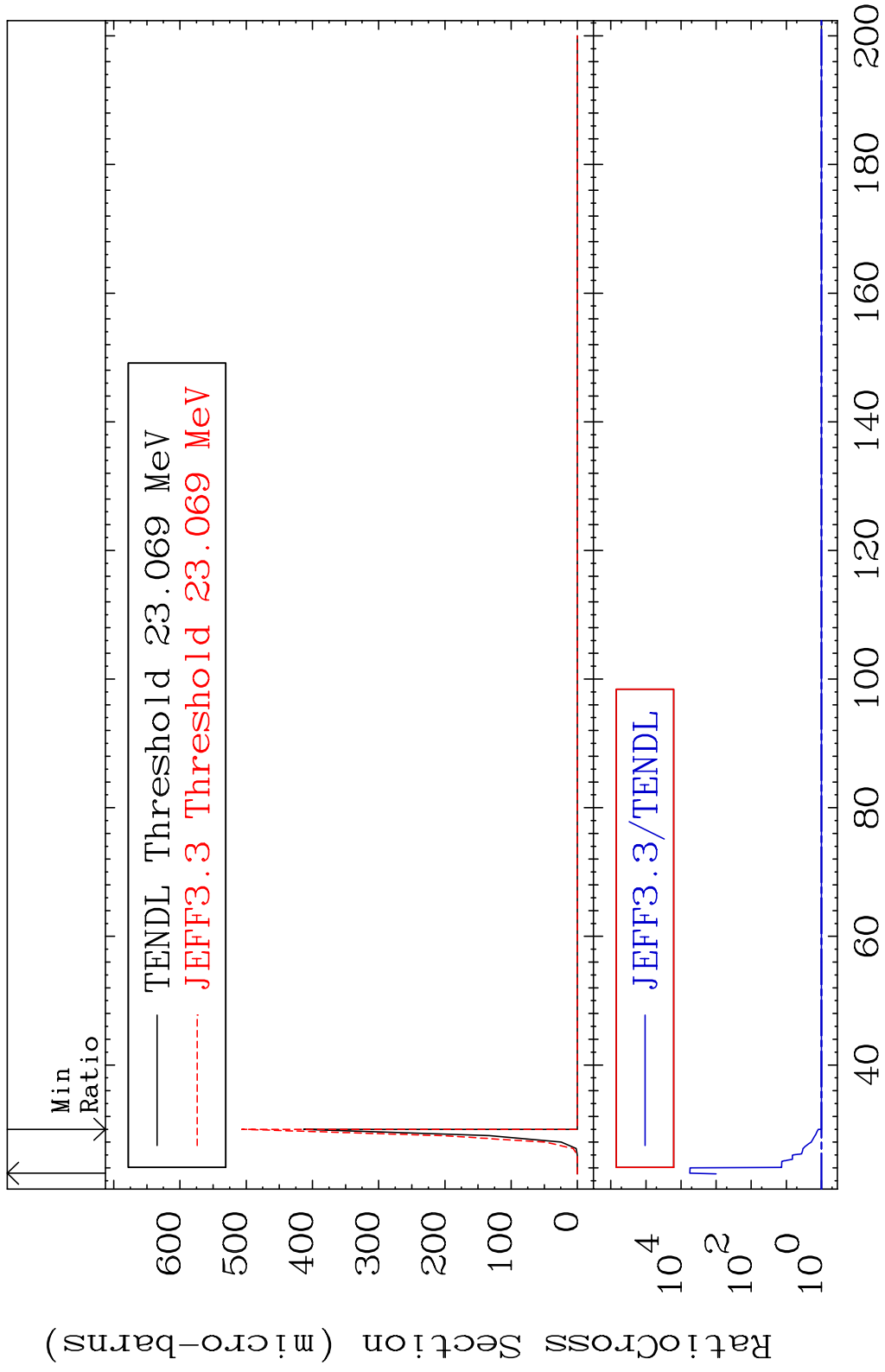
MAT 3534 Dpa disappearance (mt102 -120) 35-Br-82  
 Cross Section -99.99 To 9999. %





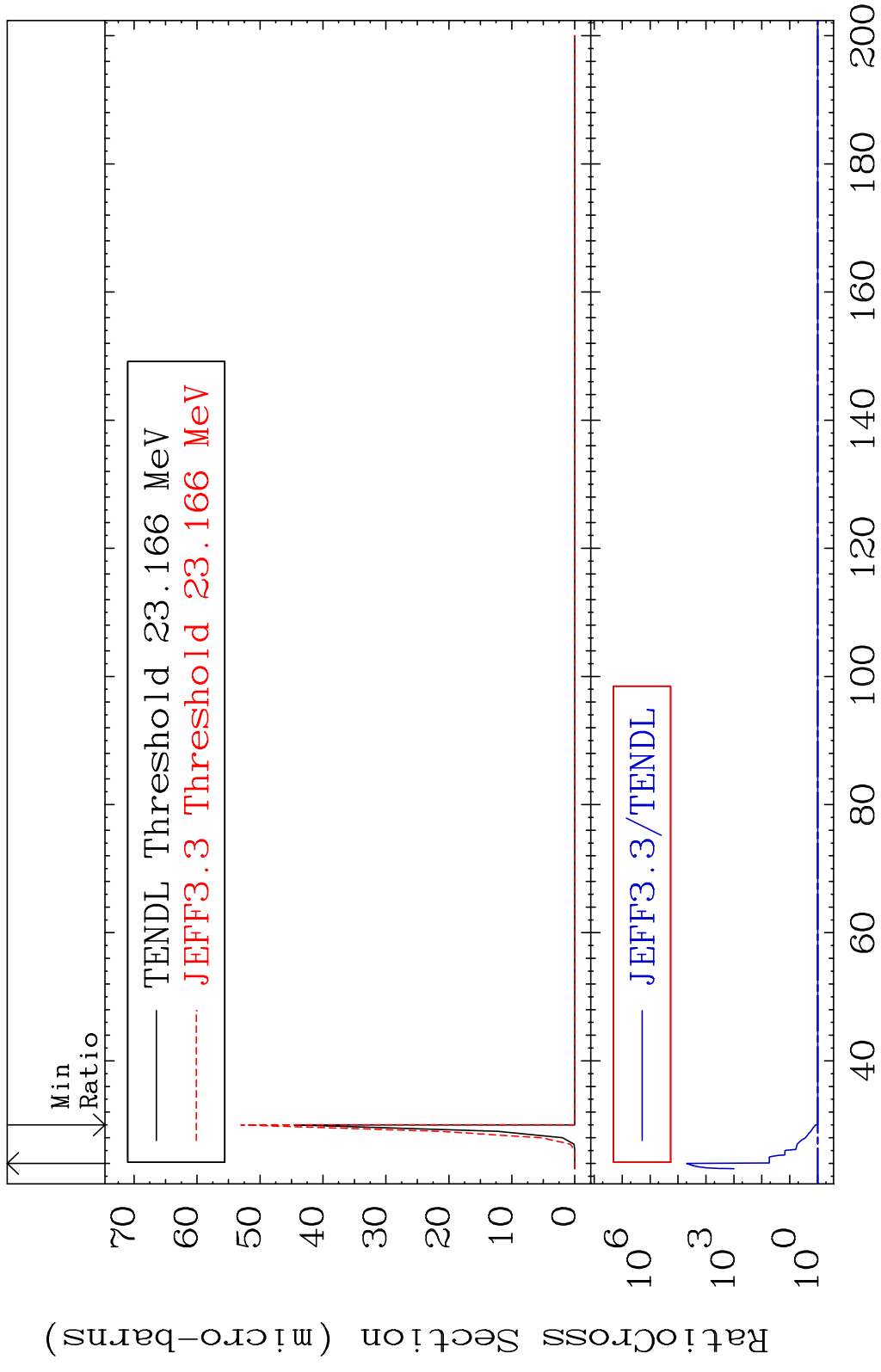
MAT 3534 Inelastic:35-Br-82m1 35-Br-82  
 Radionuclide Production Cross Section Ratio 4.589 %





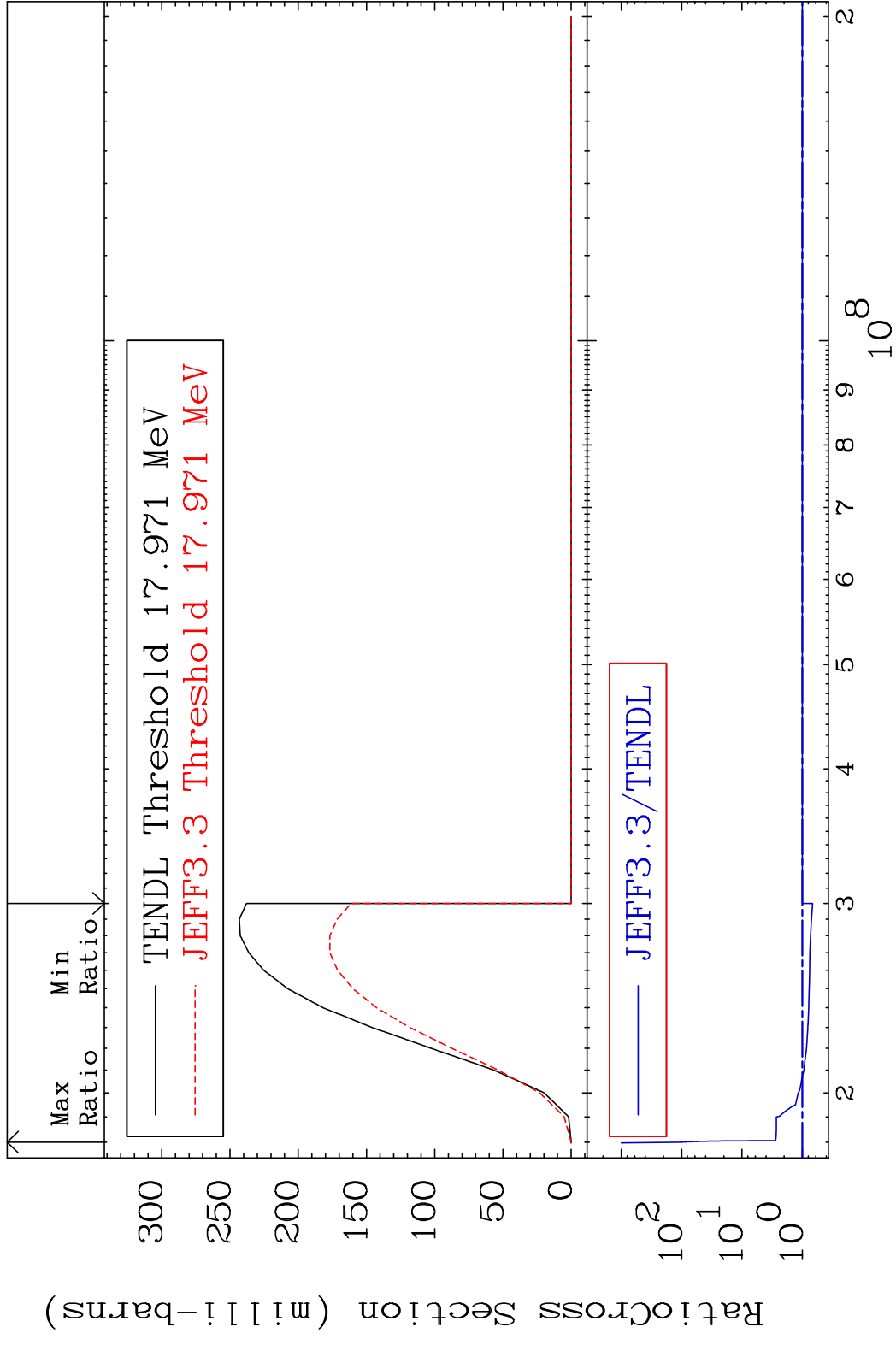


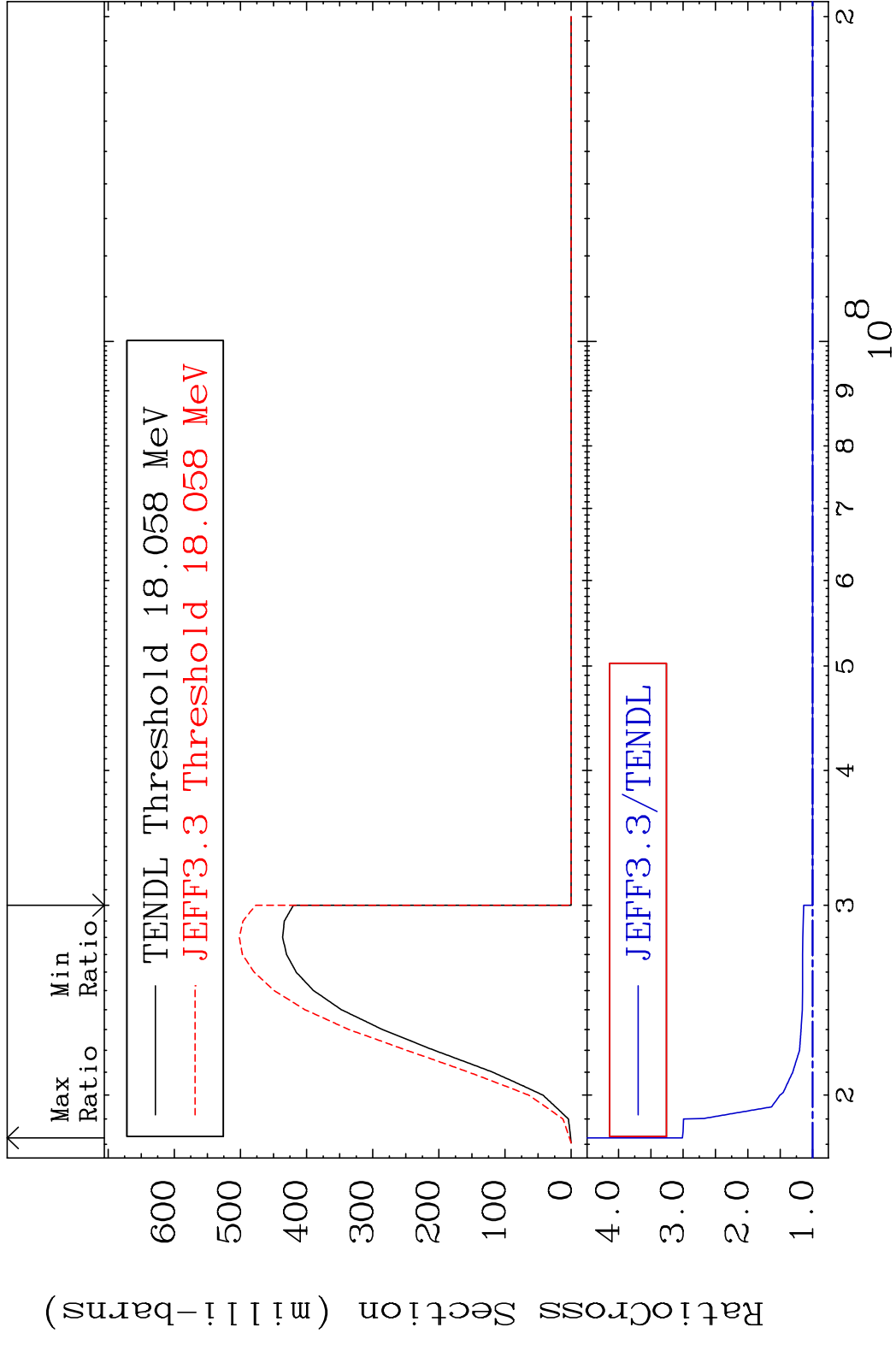
MAT 3534 (n,2n) d:34-Se-79m1 35-Br-82  
Radionuclide Production Cross Section 9999. %

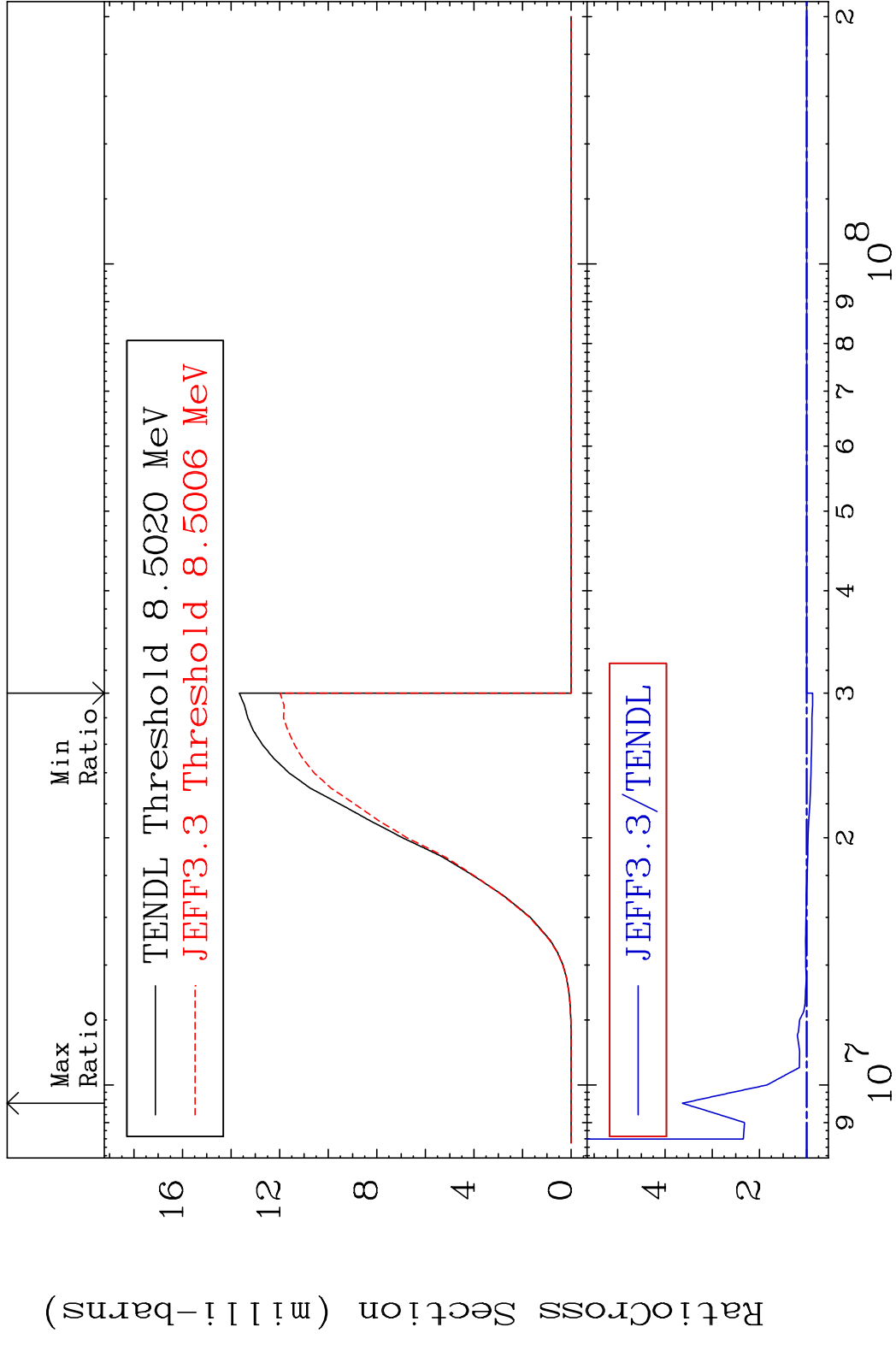


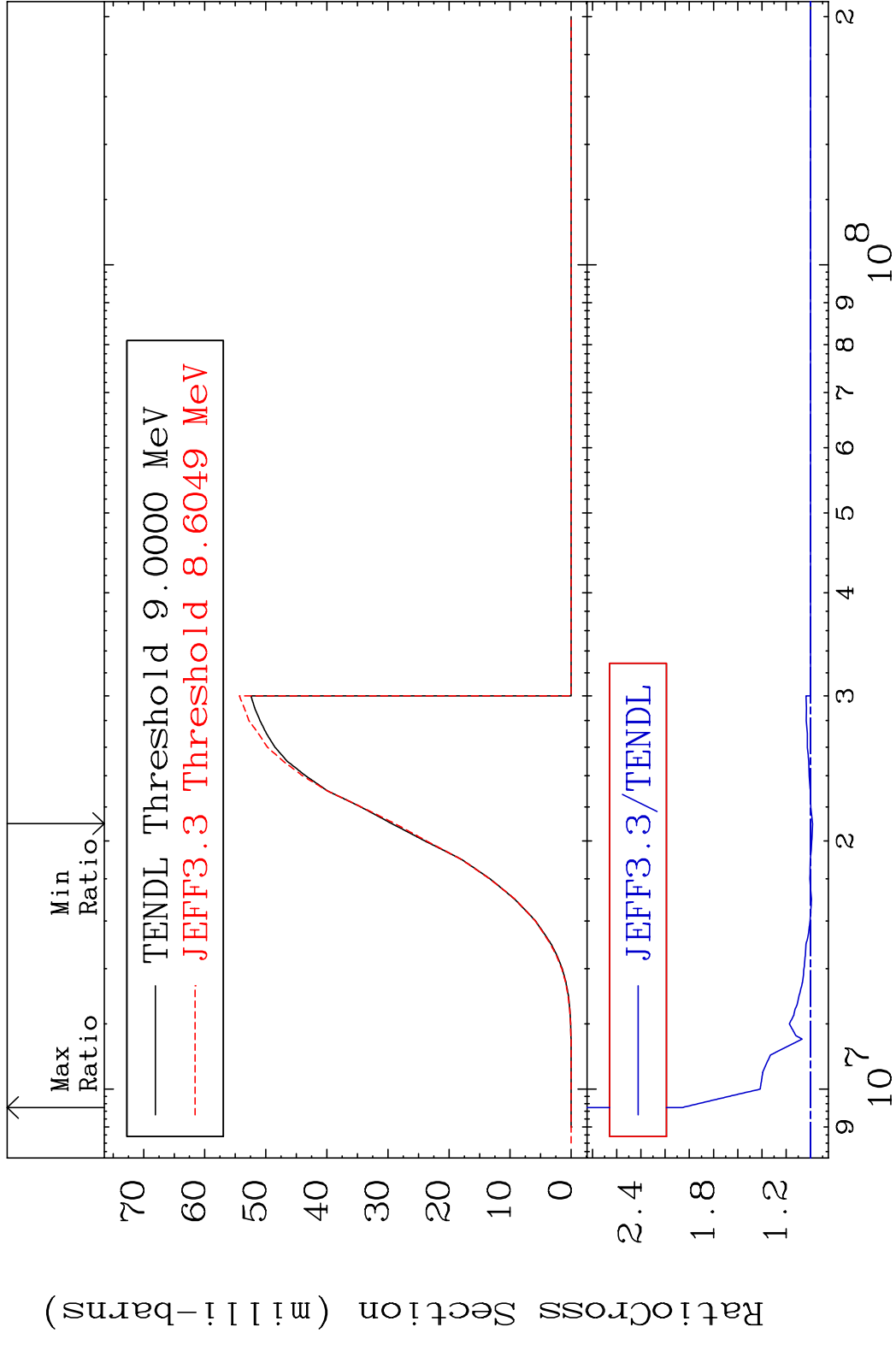
80 Incident Energy (MeV) 35-Br-82

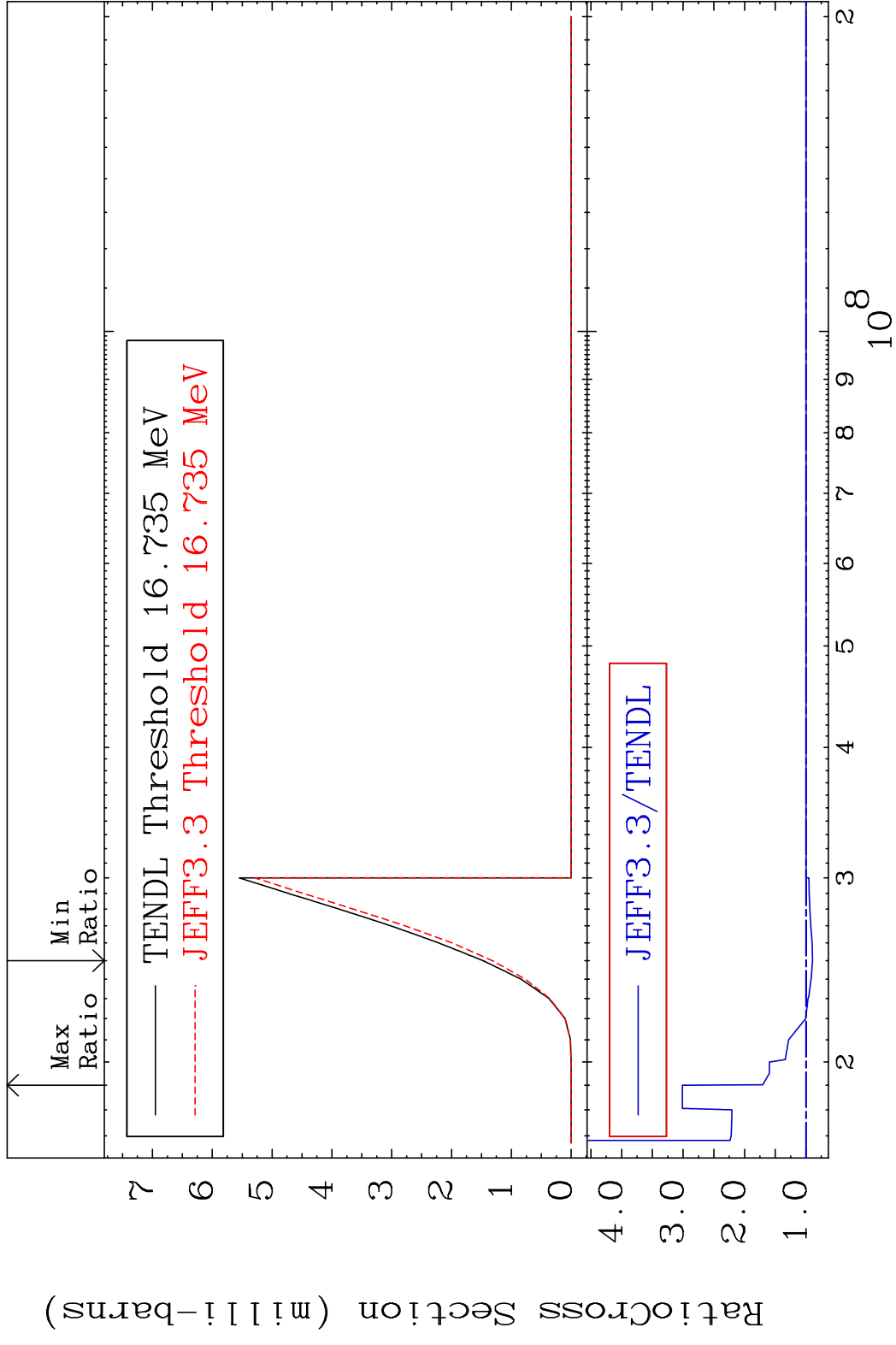
MAT 3534 (n,3n):35-Br-80g 35-Br-82  
 Radionuclide Production Cross Section 32.261 dth 9622. %

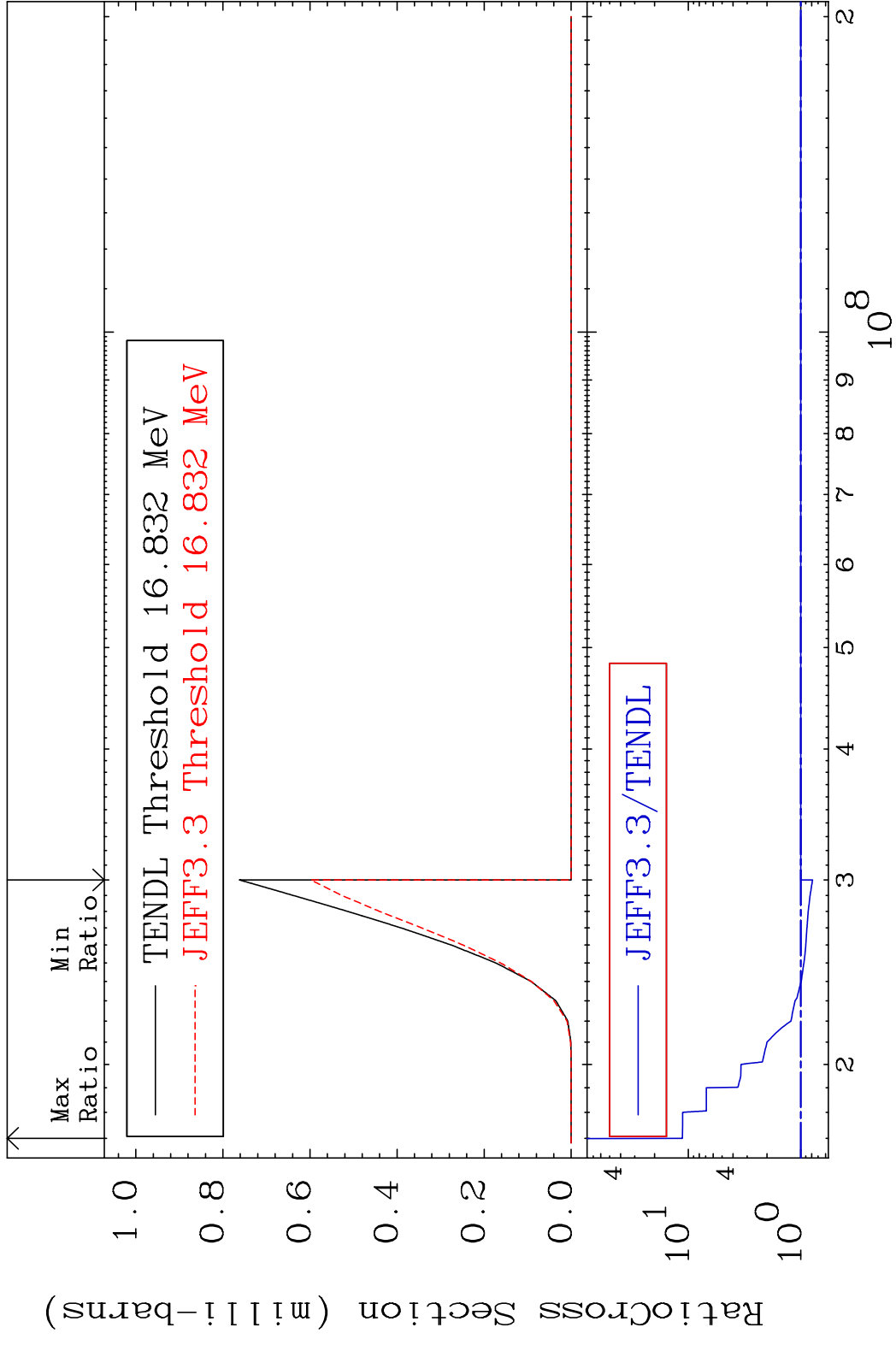


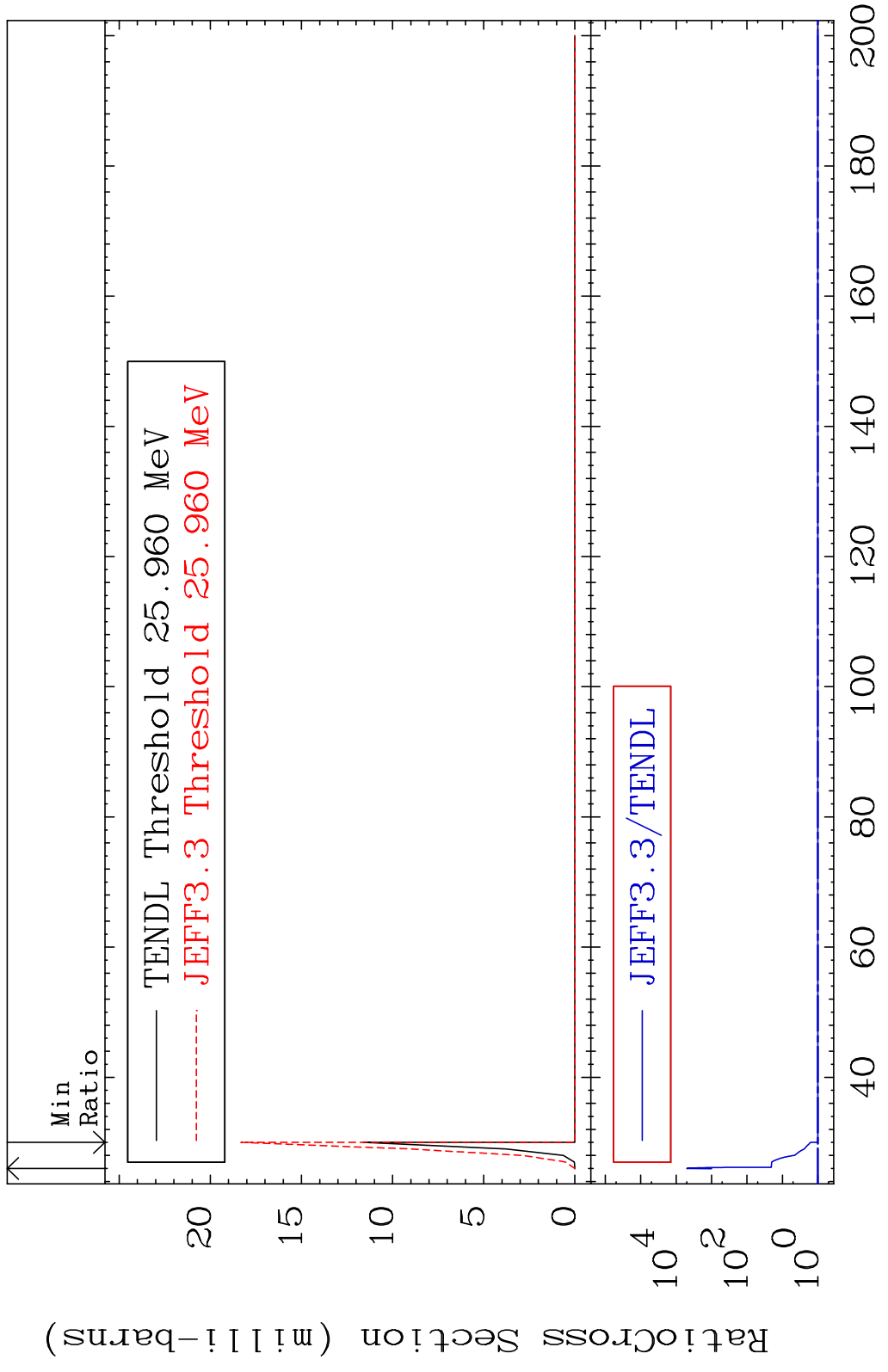






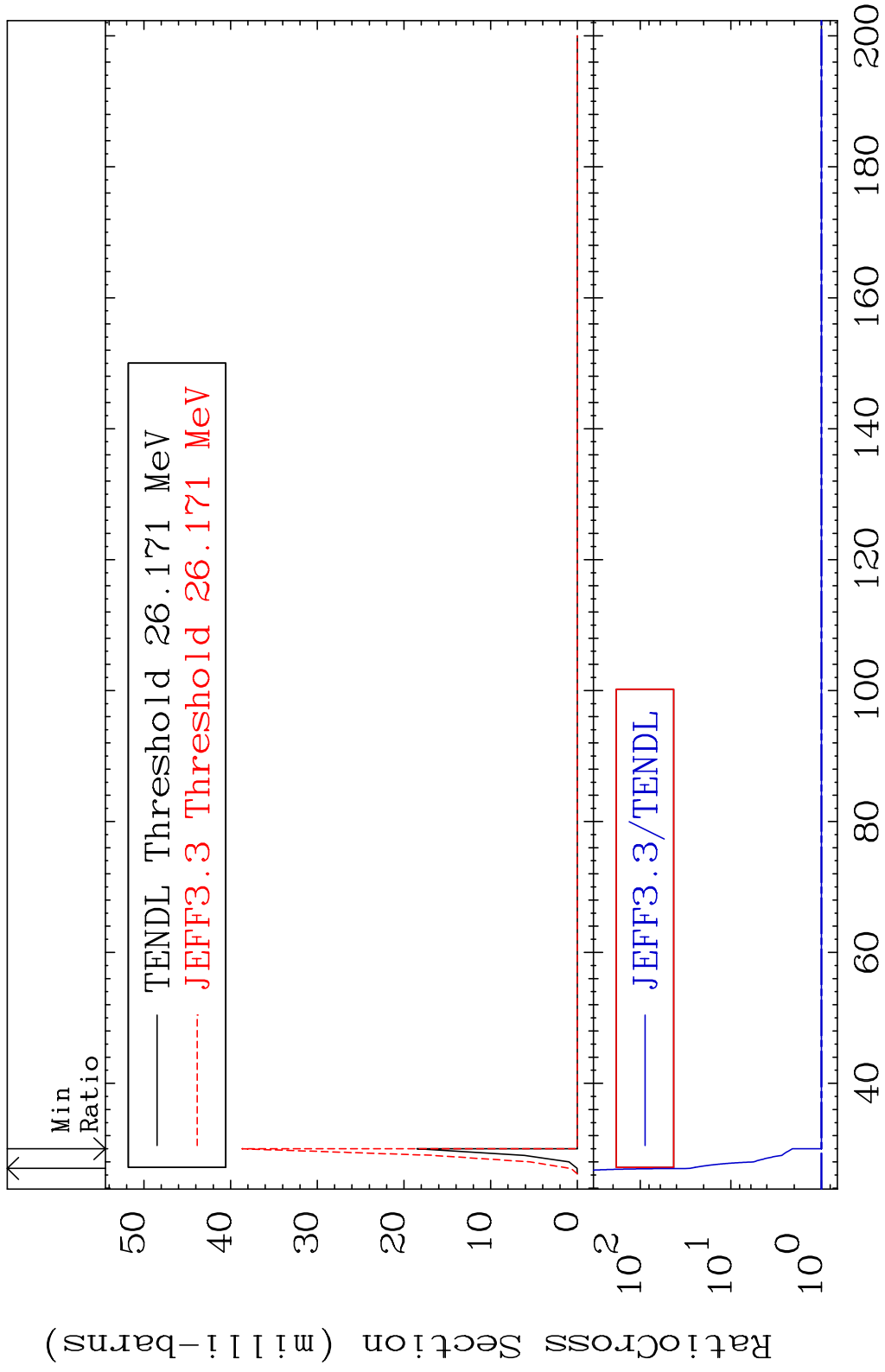


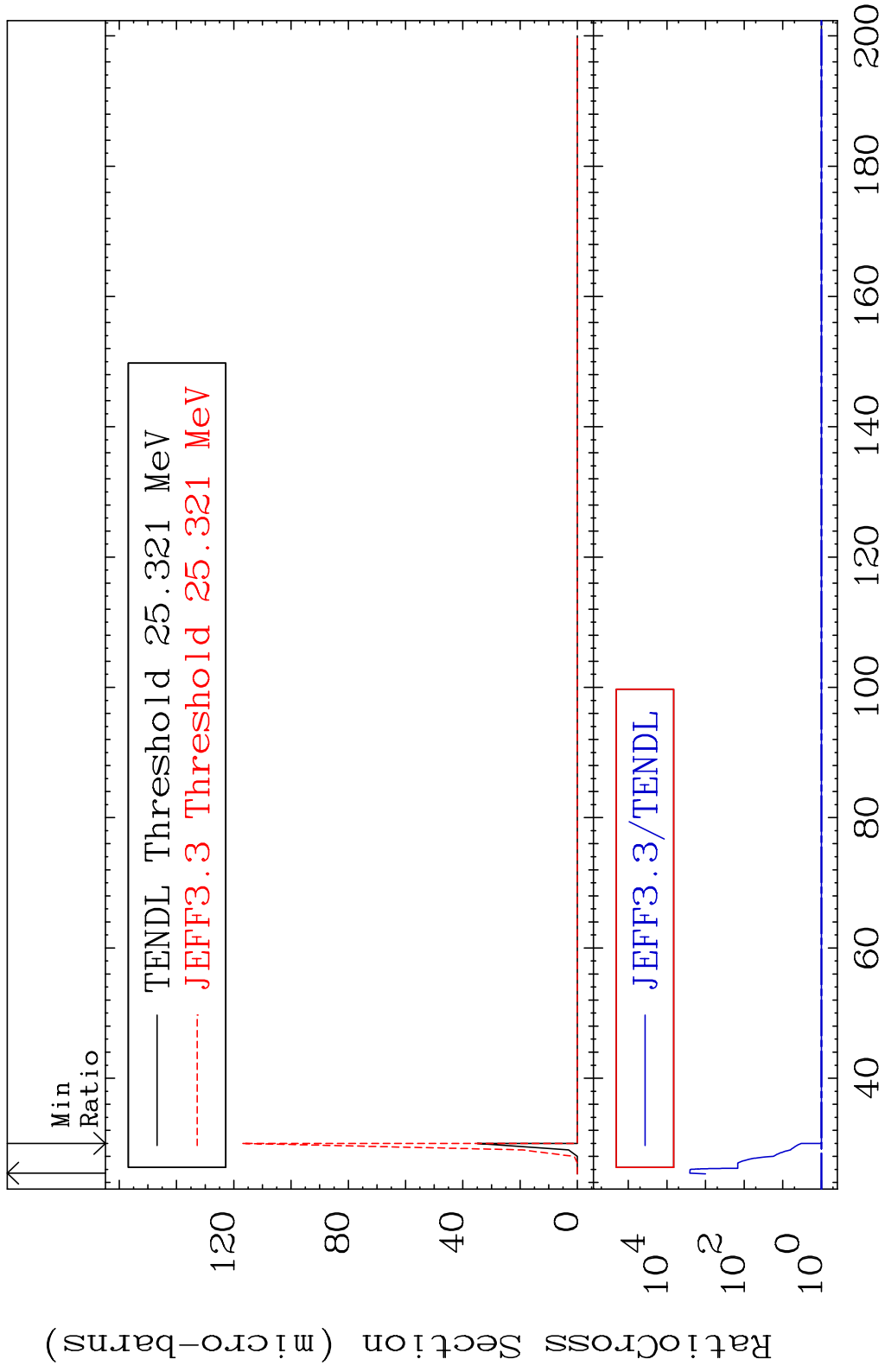


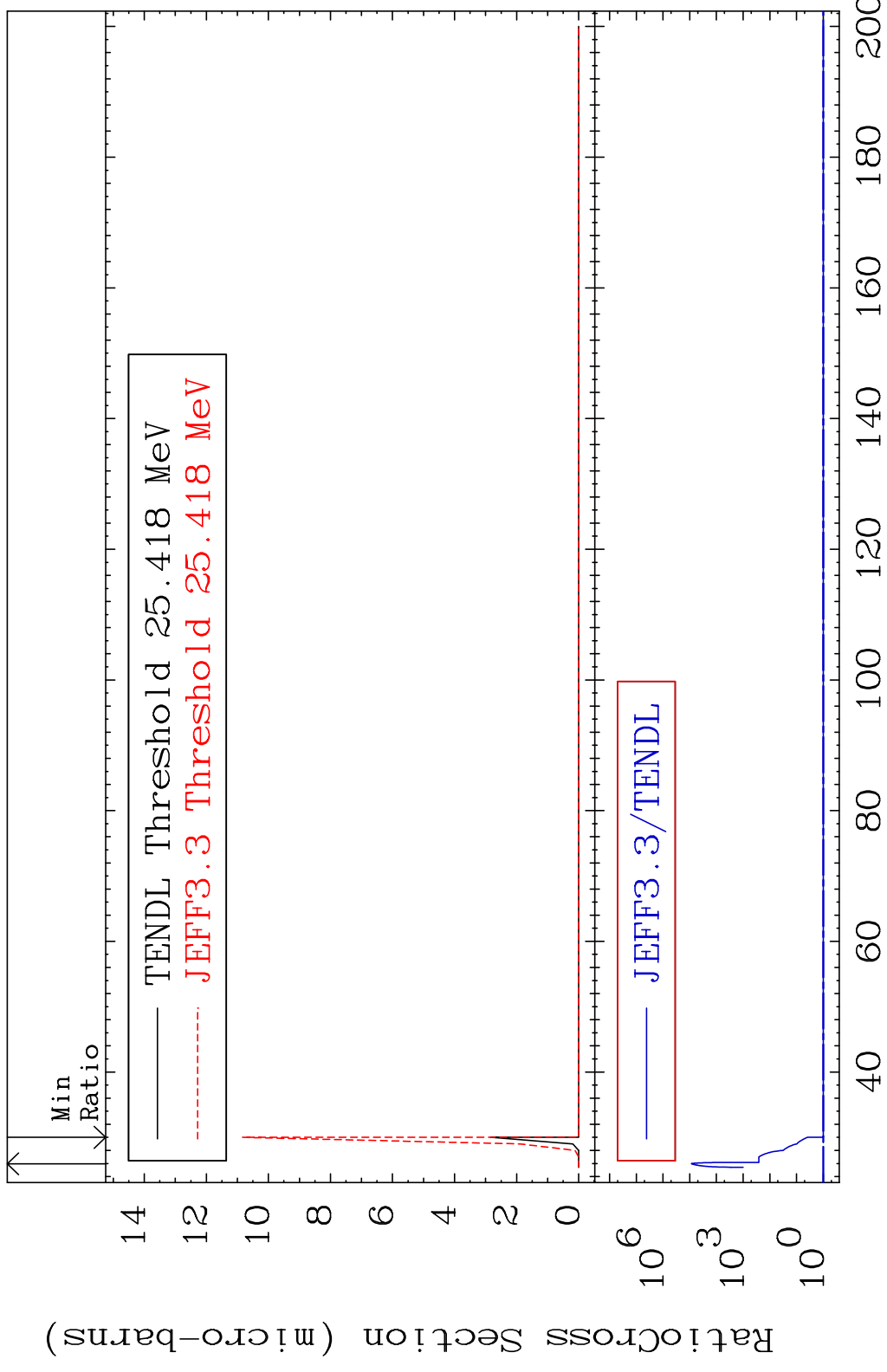


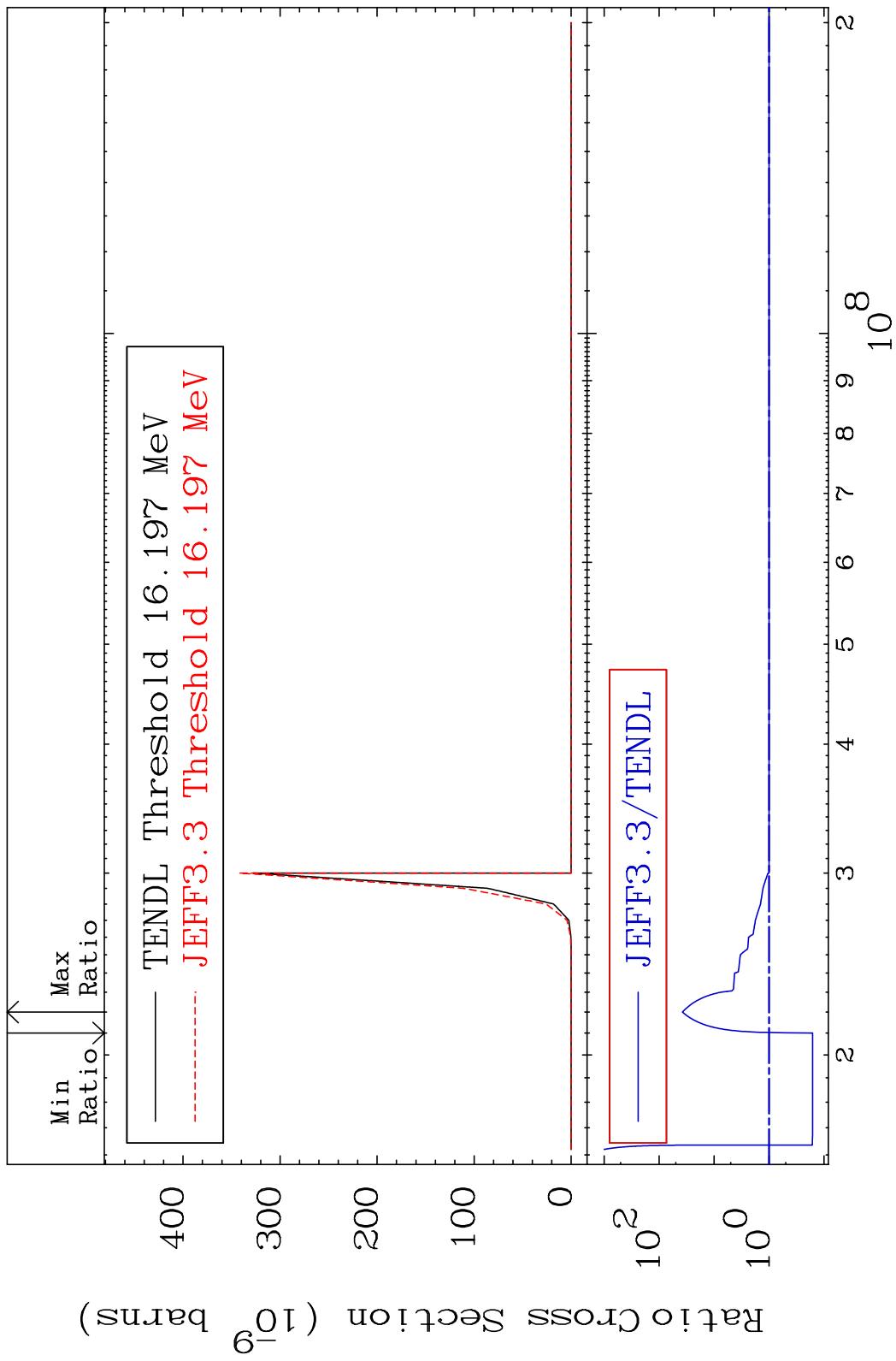


MAT 3534 (n,4n):35-Br-79m1 35-Br-82  
 Radionuclide Production Cross Section 2743. %

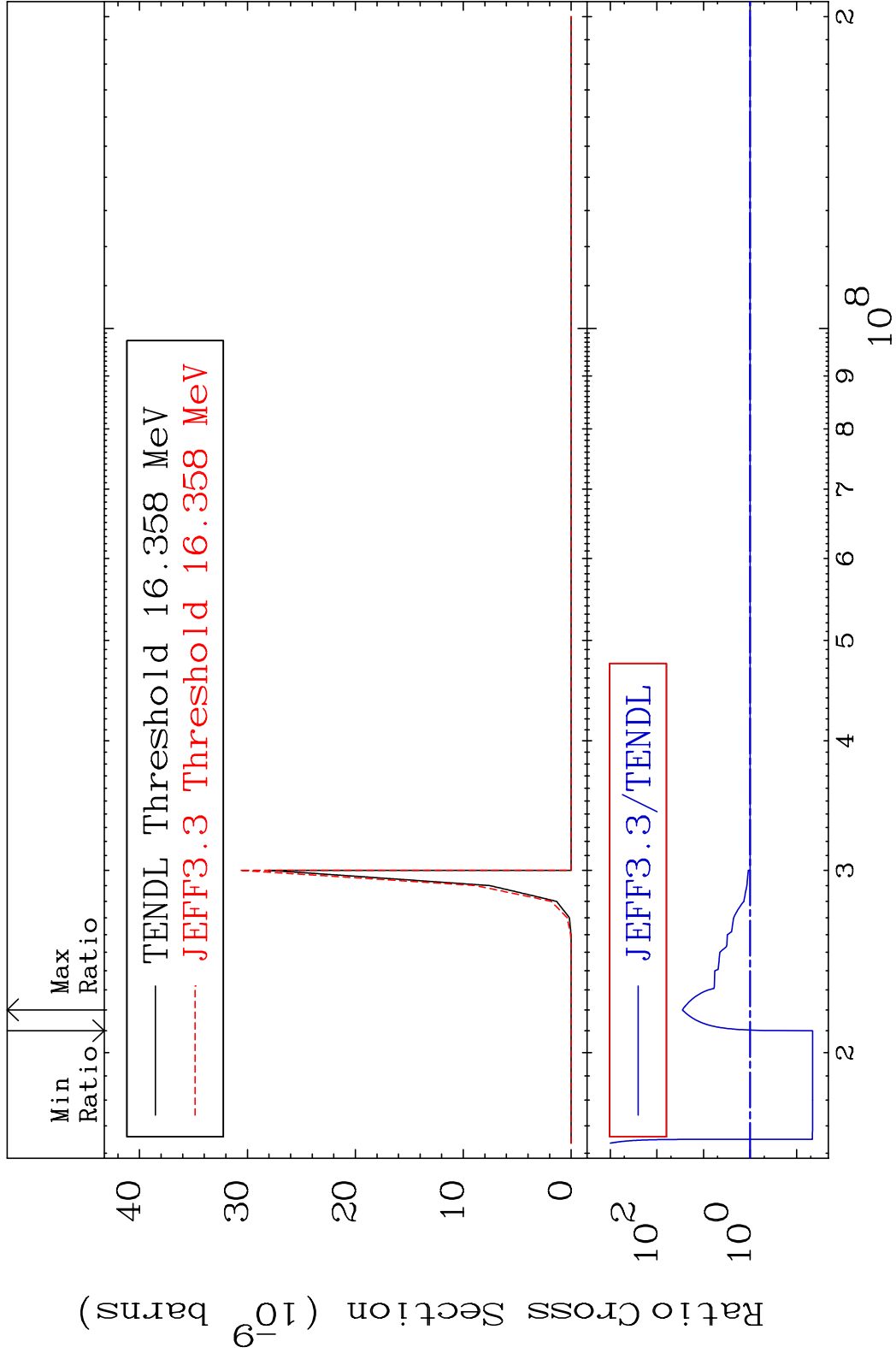




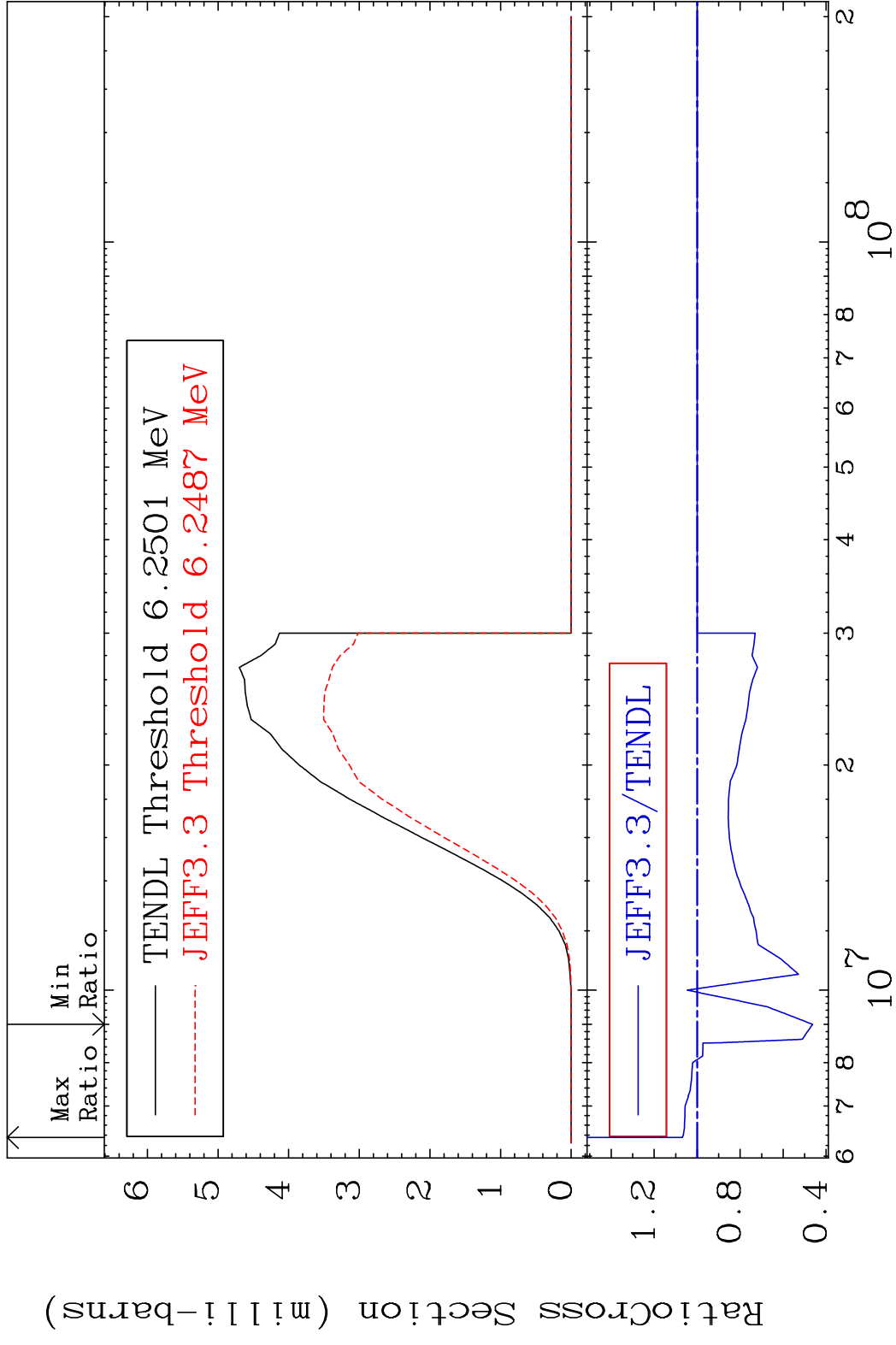




MAT 3534 (n, n') p  $\alpha$ :32-Ge-77m1 35-Br-82  
 Radionuclide Production Cross Section 2745. %



MAT 3534 (n, d):34-Se-81g 35-Br-82  
 Radionuclide Production Cross Section 6.899 %



MAT 3534 (n,d):34-Se-81m1 35-Br-82  
 Radionuclide Production Cross Section 18.50 %

