

Program Complot
(Version 2021-1)

by

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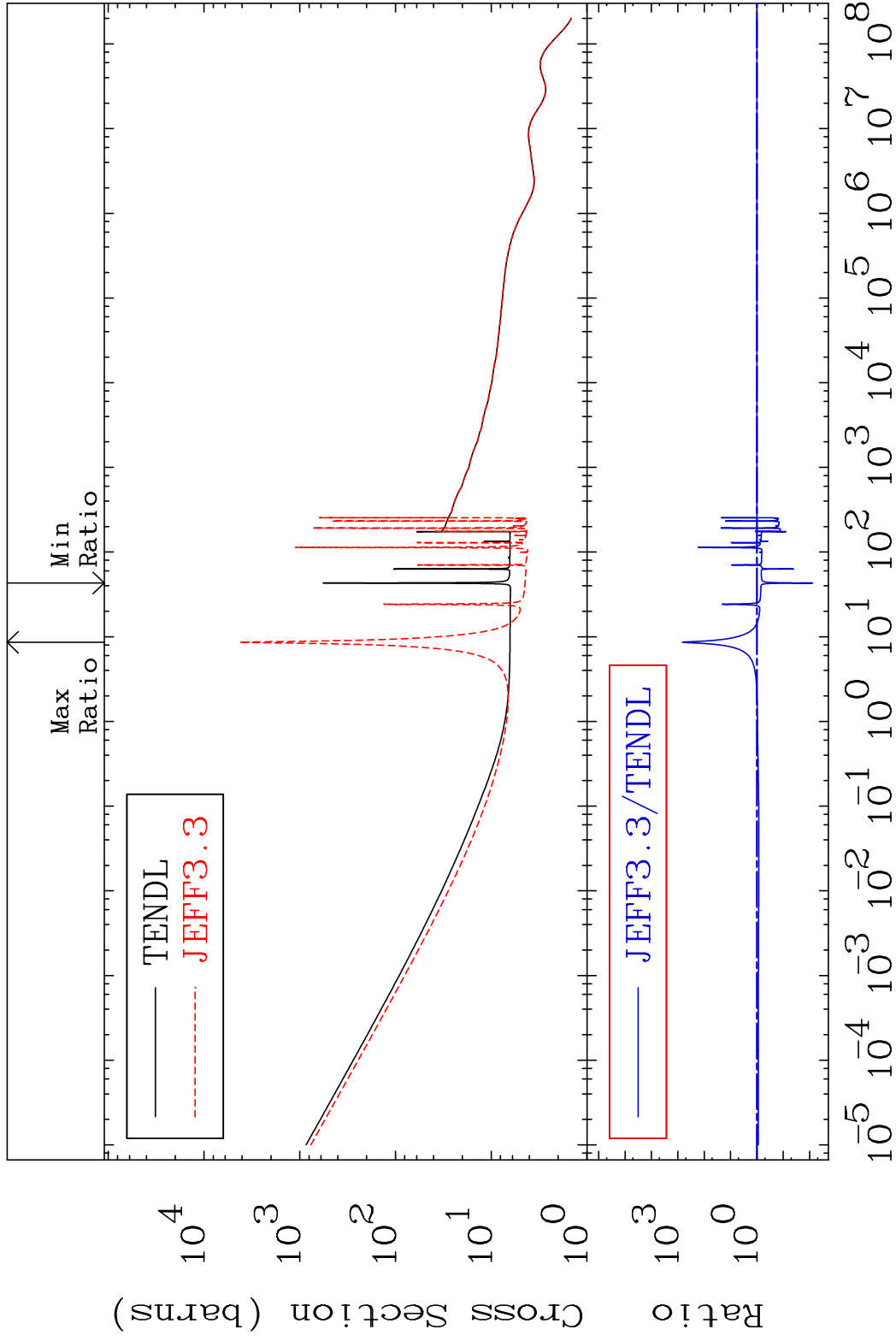
Press Mouse Button to Start

MAT 3534

Total

35-Br-82

Cross Section -99.22 To 9999. %



1

Incident Energy (eV)

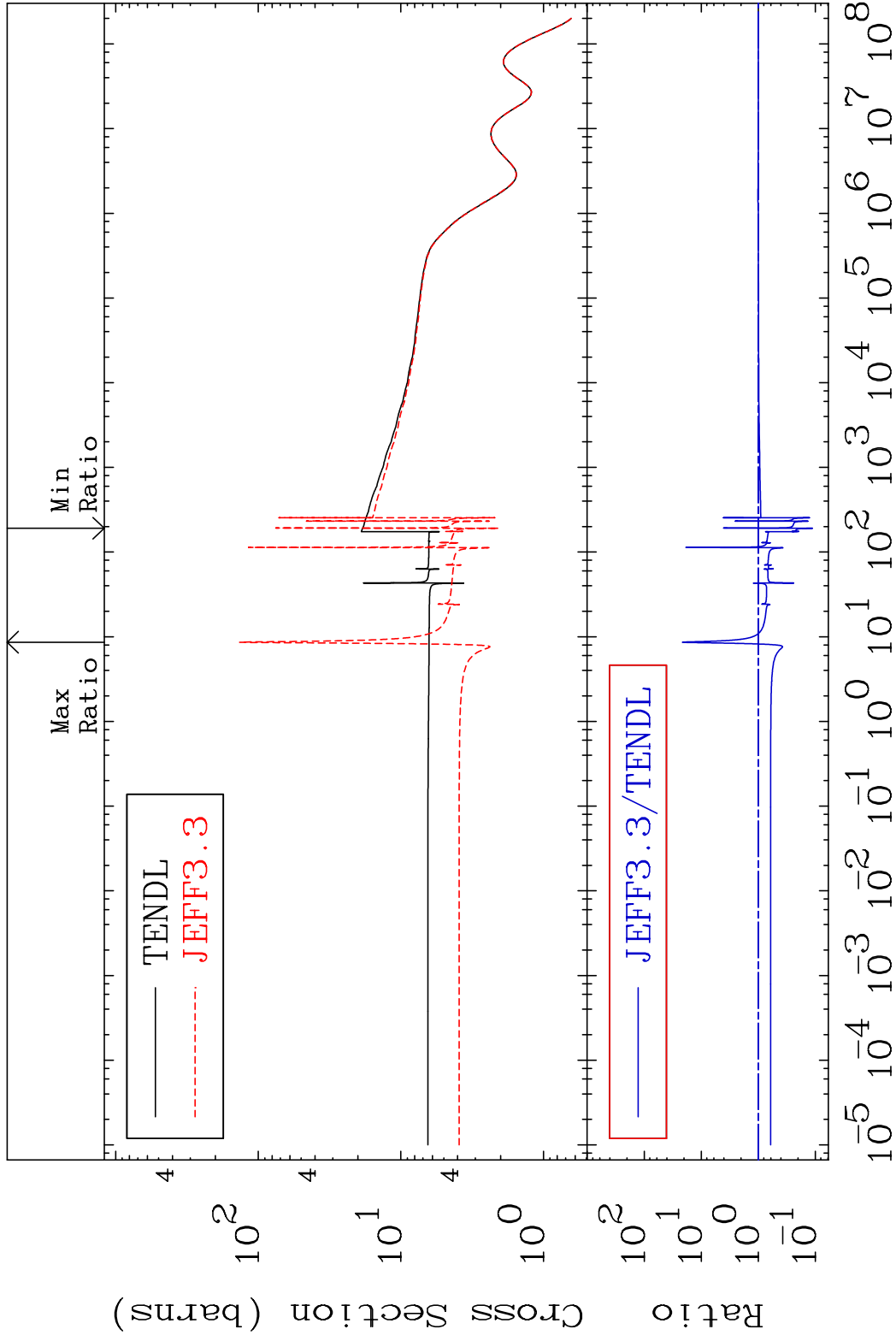
35-Br-82

MAT 3534

Elastic

35-Br-82

Cross Section -88.86 To 2041. %

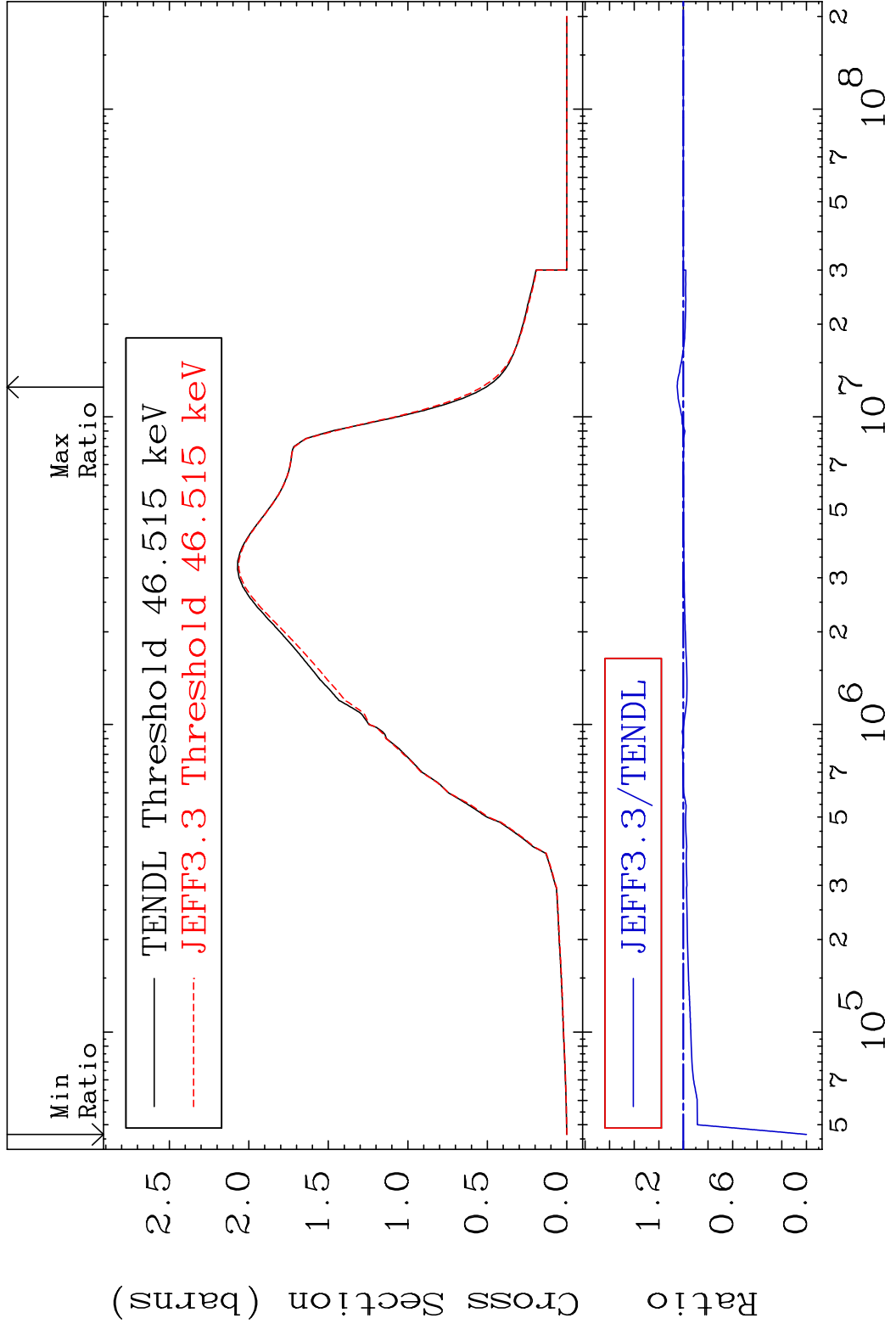


2

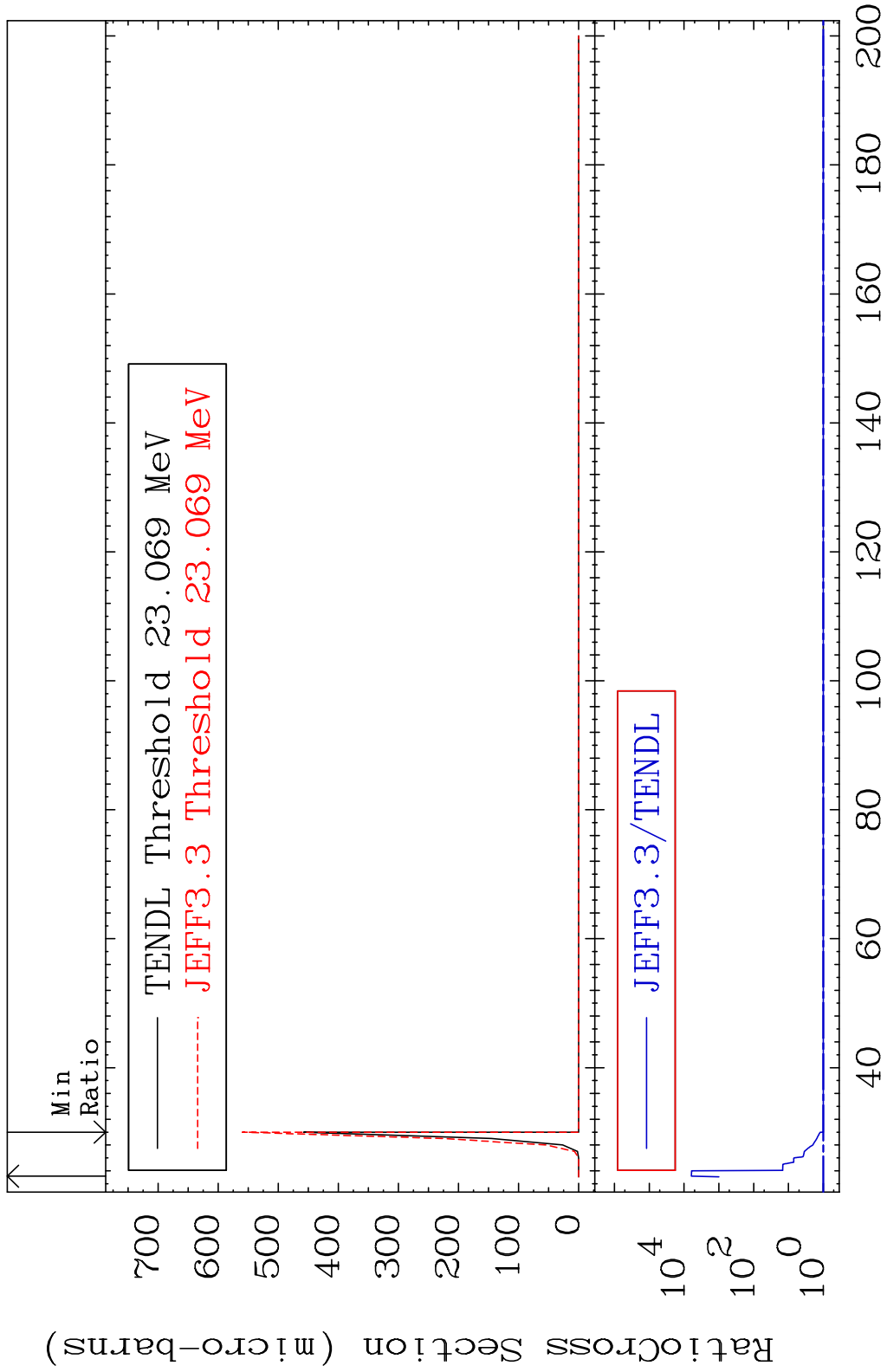
Incident Energy (eV)

35-Br-82

MAT 3534 Inelastic Cross Section -100.0 To 5.072 % 35-Br-82



MAT 3534 (n,2n) d 35-Br-82
 Cross Section 0.000 To 9999. %

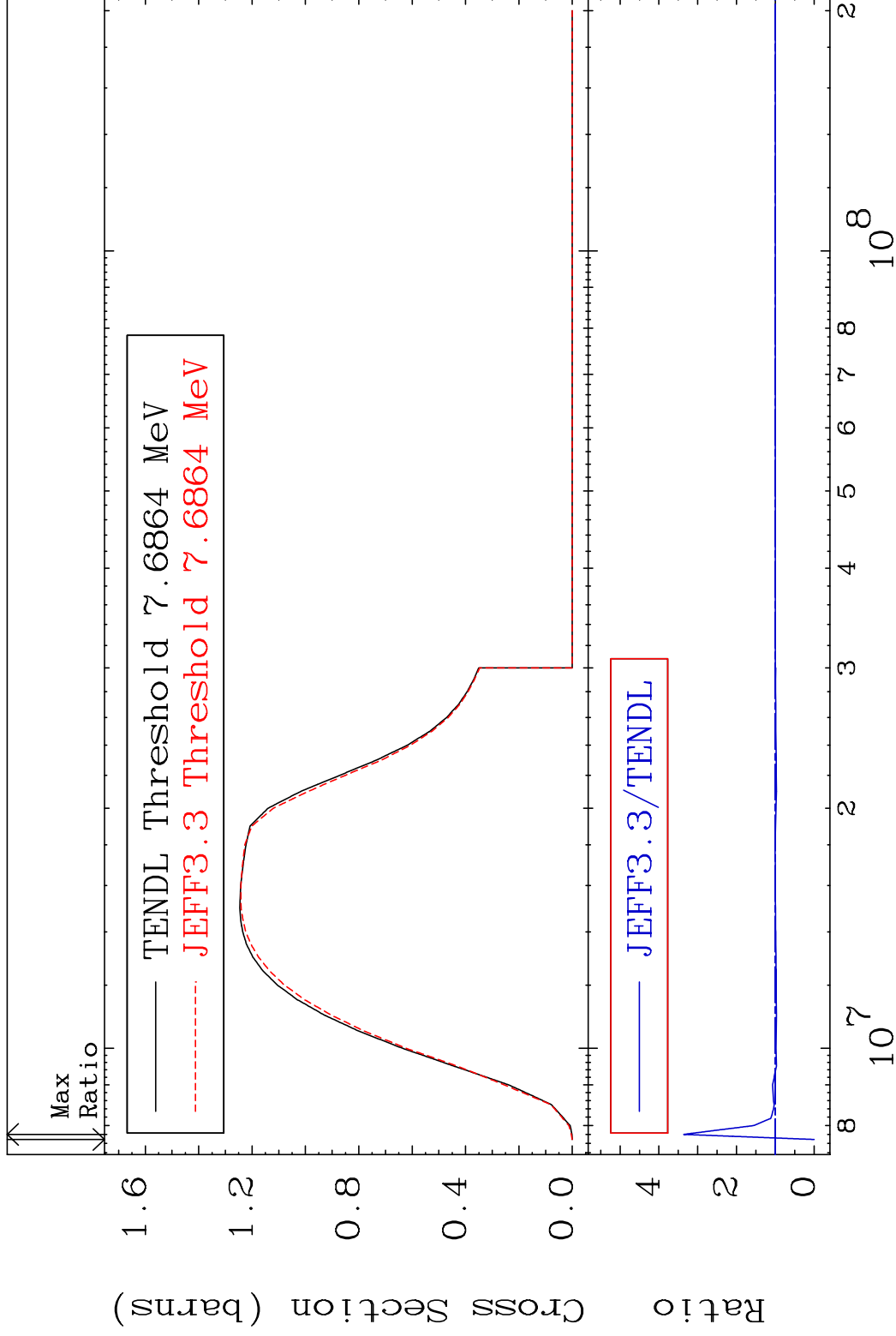


MAT 3534

(n,2n)

35-Br-82

Cross Section -100.0 To 236.2 %



5

Incident Energy (eV)

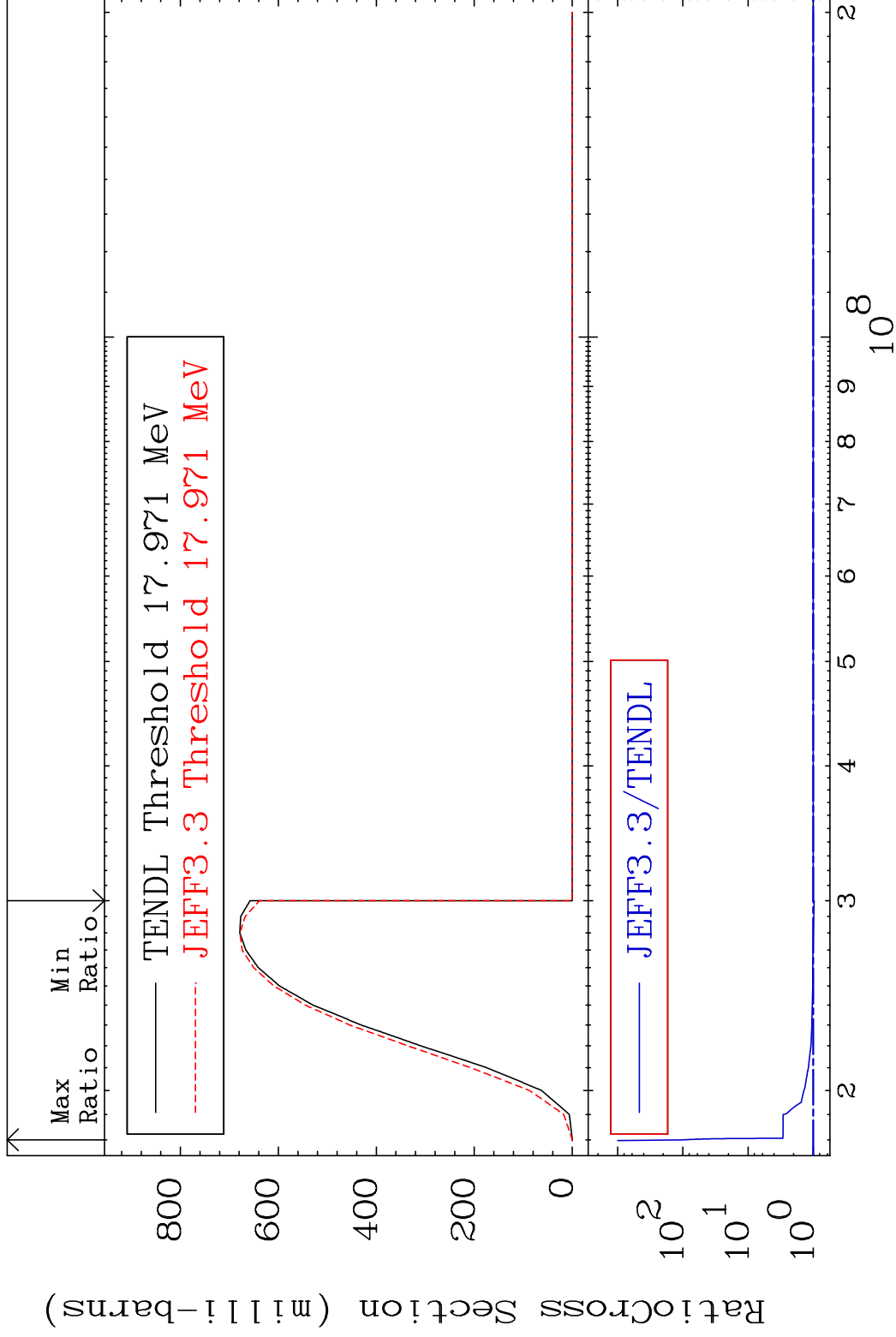
35-Br-82

MAT 3534

(n,3n)

35-Br-82

Cross Section -2.974 To 9622. %

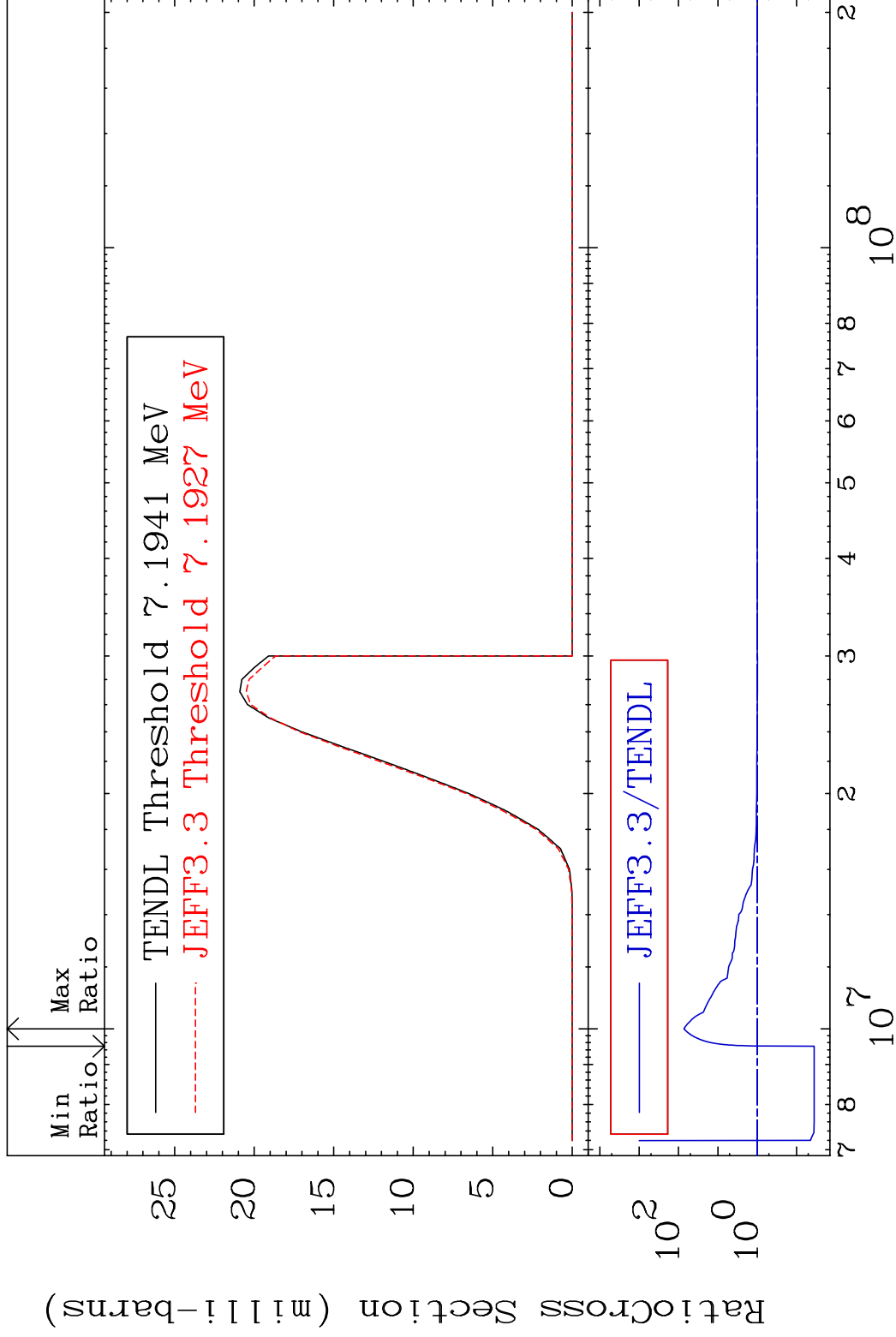


MAT 3534

(n, n') α

35-Br-82

Cross Section -96.44 To 7313. %



7

Incident Energy (eV)

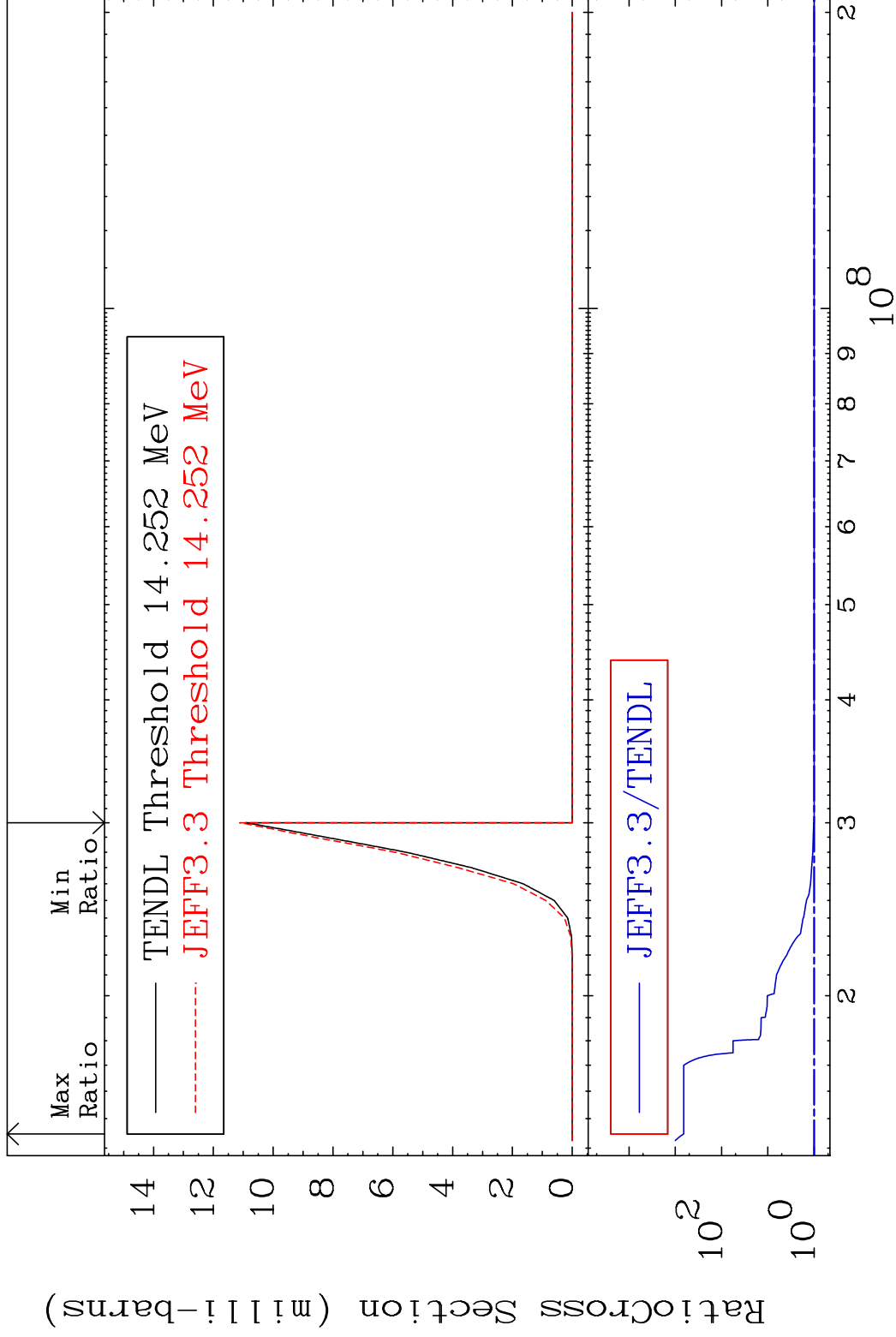
35-Br-82

MAT 3534

(n,2n) α

35-Br-82

Cross Section 0.000 To 9999. %



8

Incident Energy (eV)

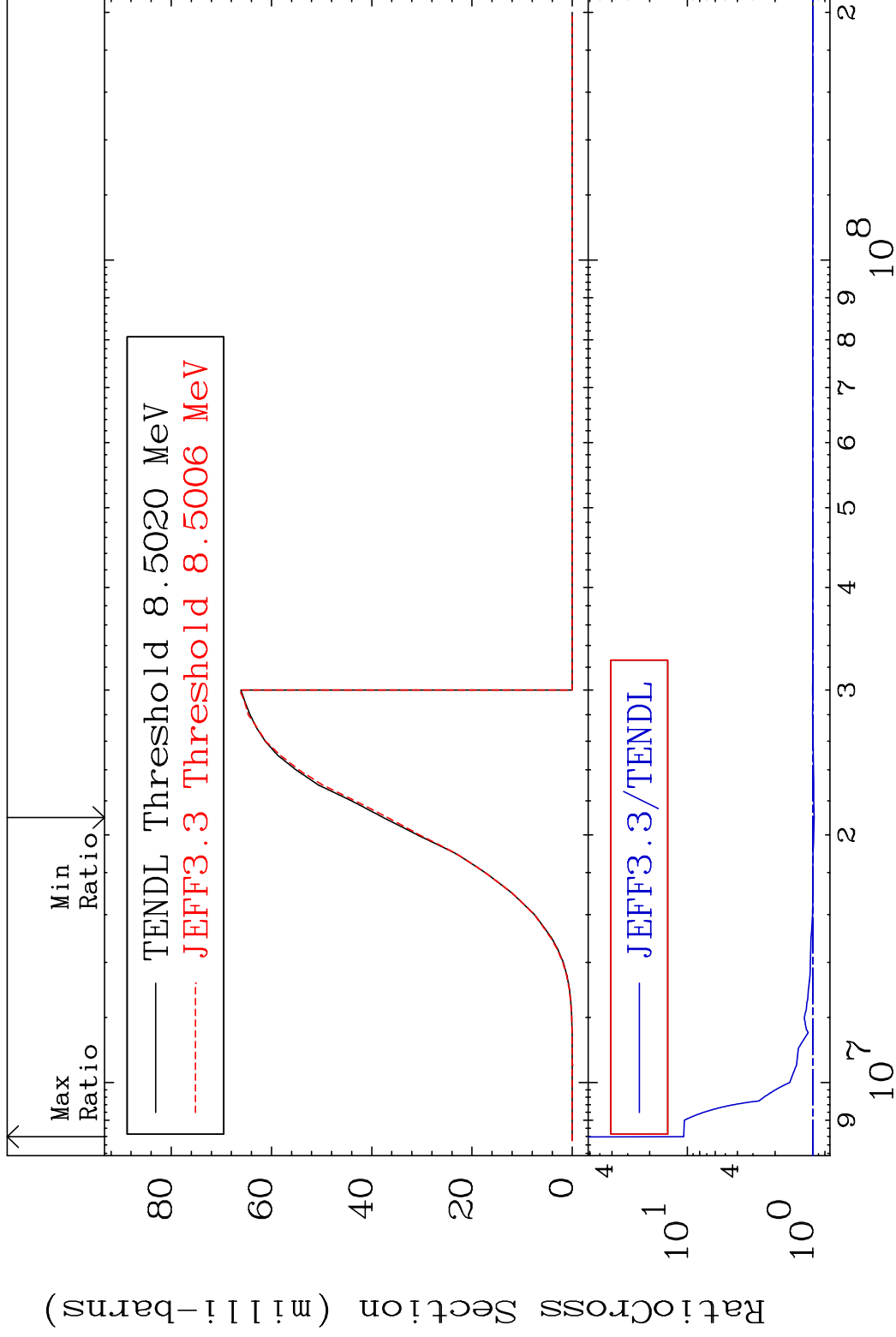
35-Br-82

MAT 3534

(n, n') p

35-Br-82

Cross Section -2.308 To 971.8 %



9

Incident Energy (eV)

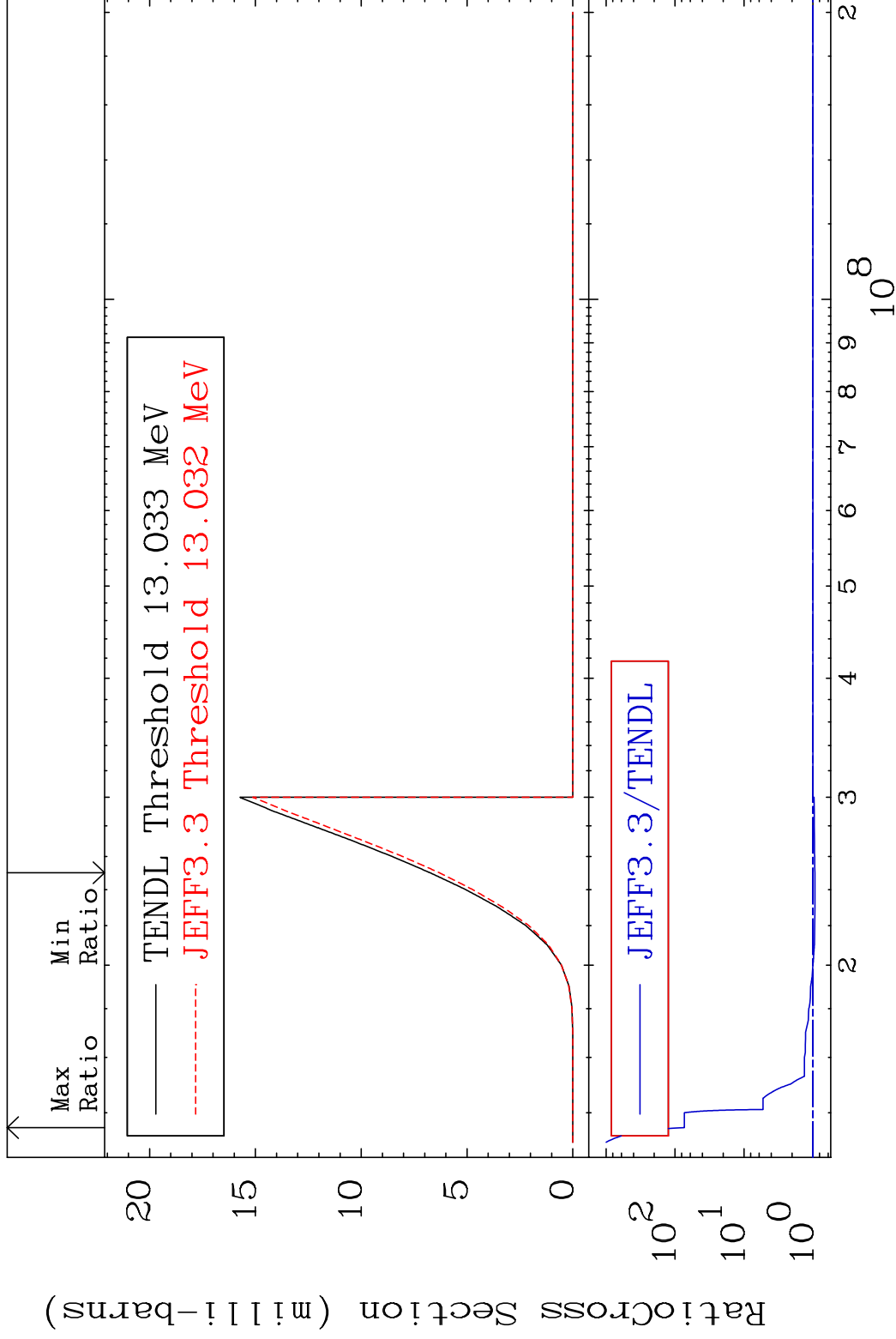
35-Br-82

MAT 3534

(n, n') d

35-Br-82

Cross Section -6.527 To 7229. %

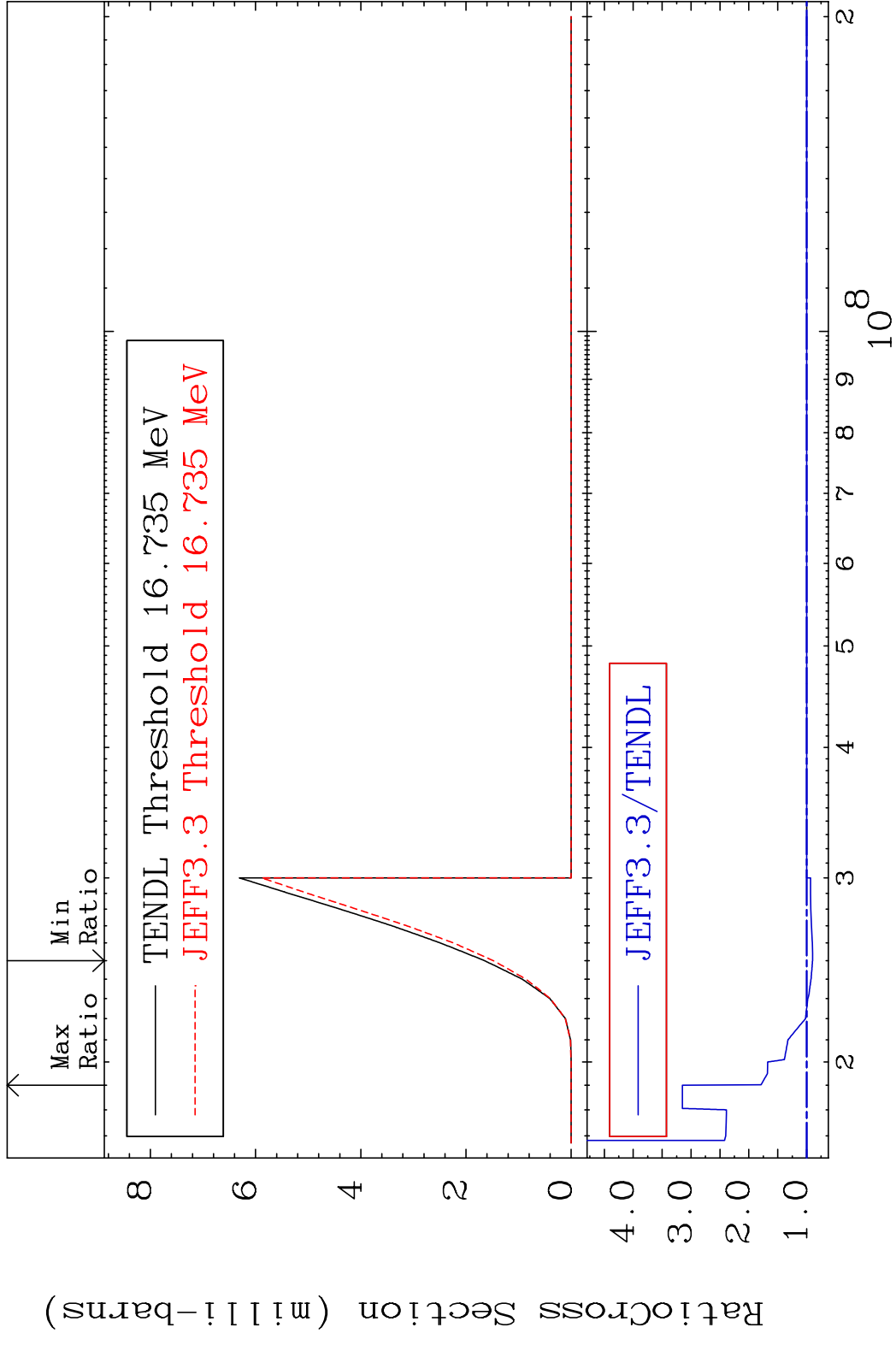


10

Incident Energy (eV)

35-Br-82

MAT 3534 (n, n') t 35-Br-82
 Cross Section -10.19 To 215.0 %

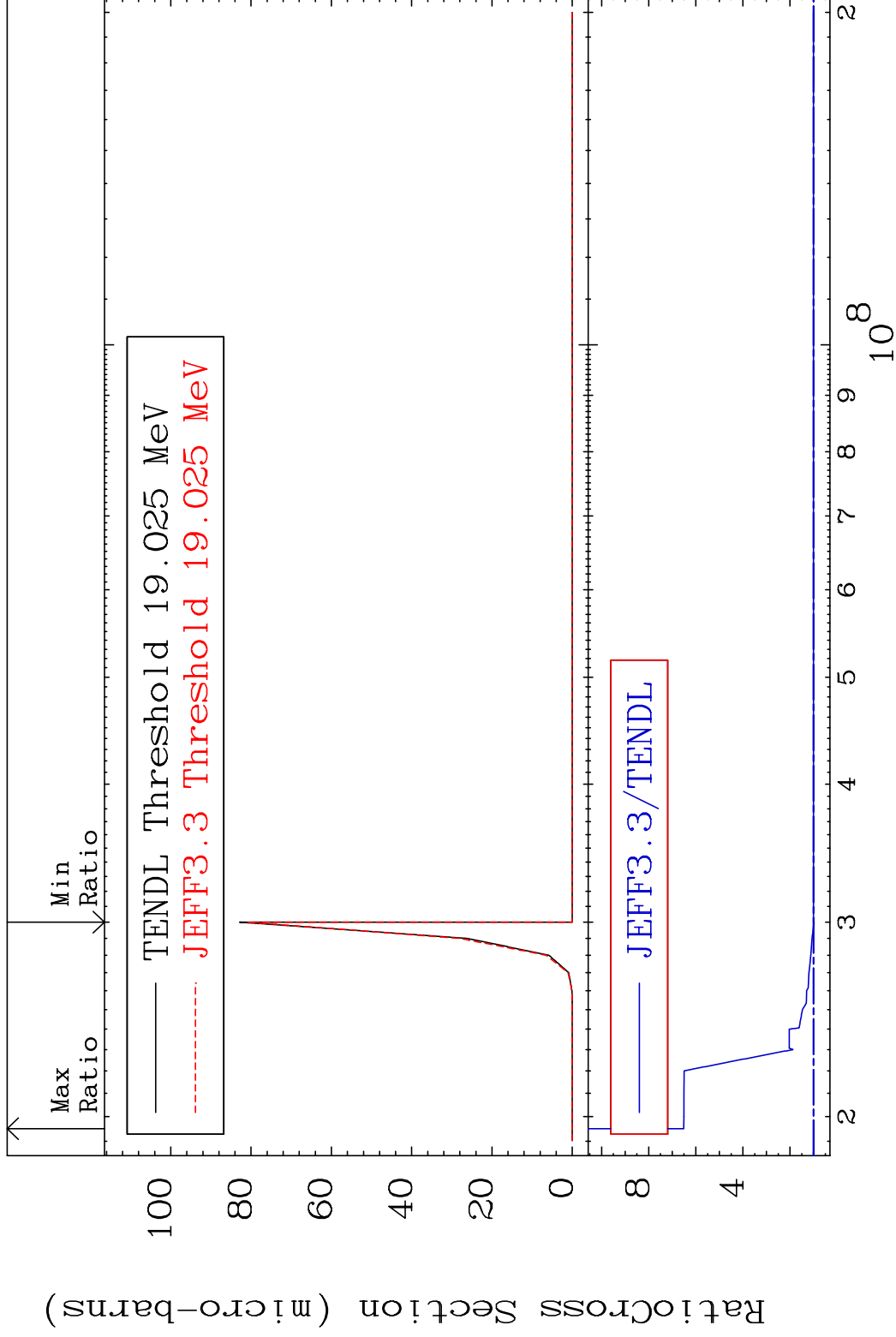


MAT 3534

(n,n') He-3

35-Br-82

Cross Section -2.265 To 551.6 %

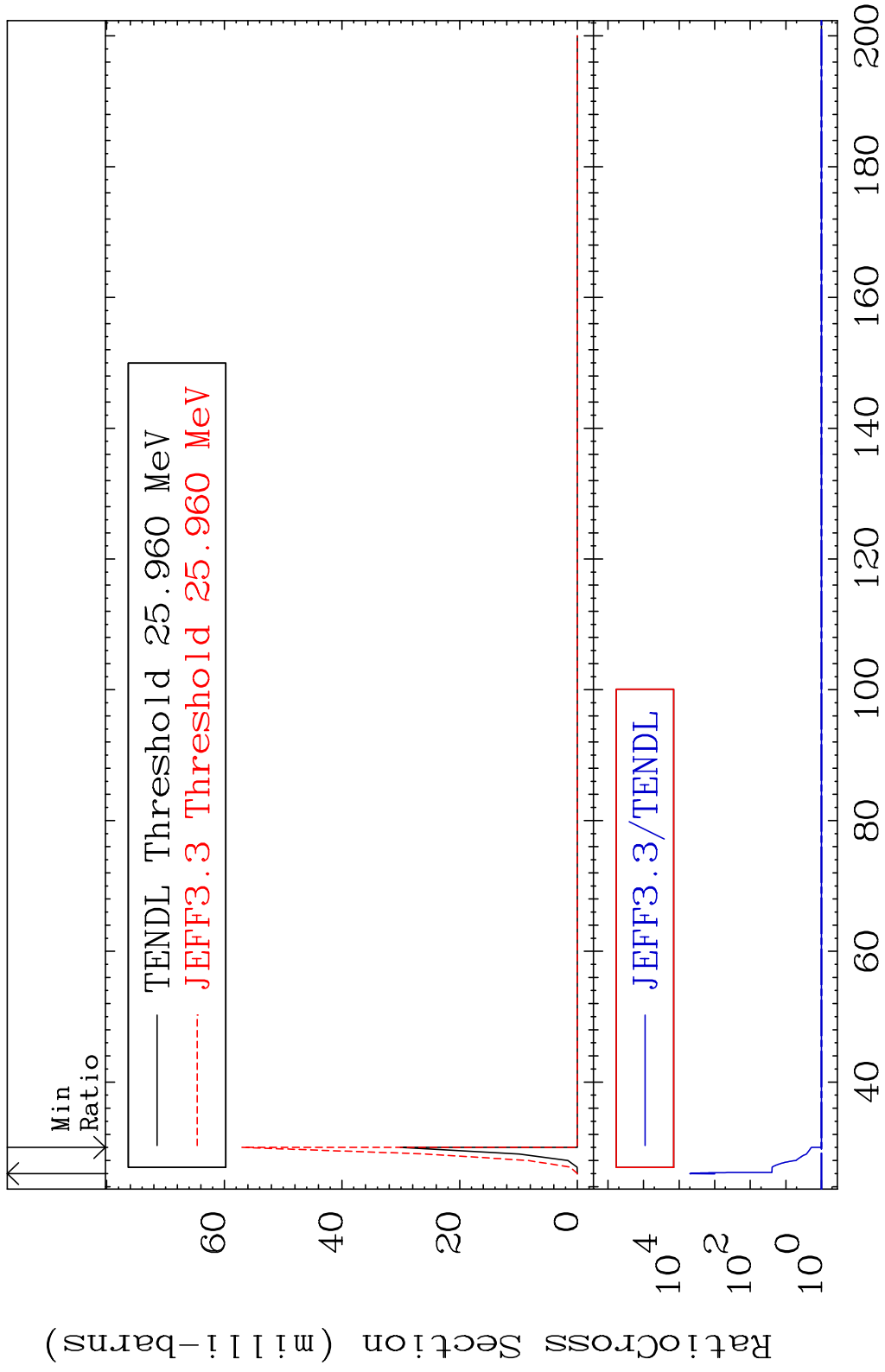


12

Incident Energy (eV)

35-Br-82

MAT 3534 (n,4n) 35-Br-82
 Cross Section 0.000 To 9999. %

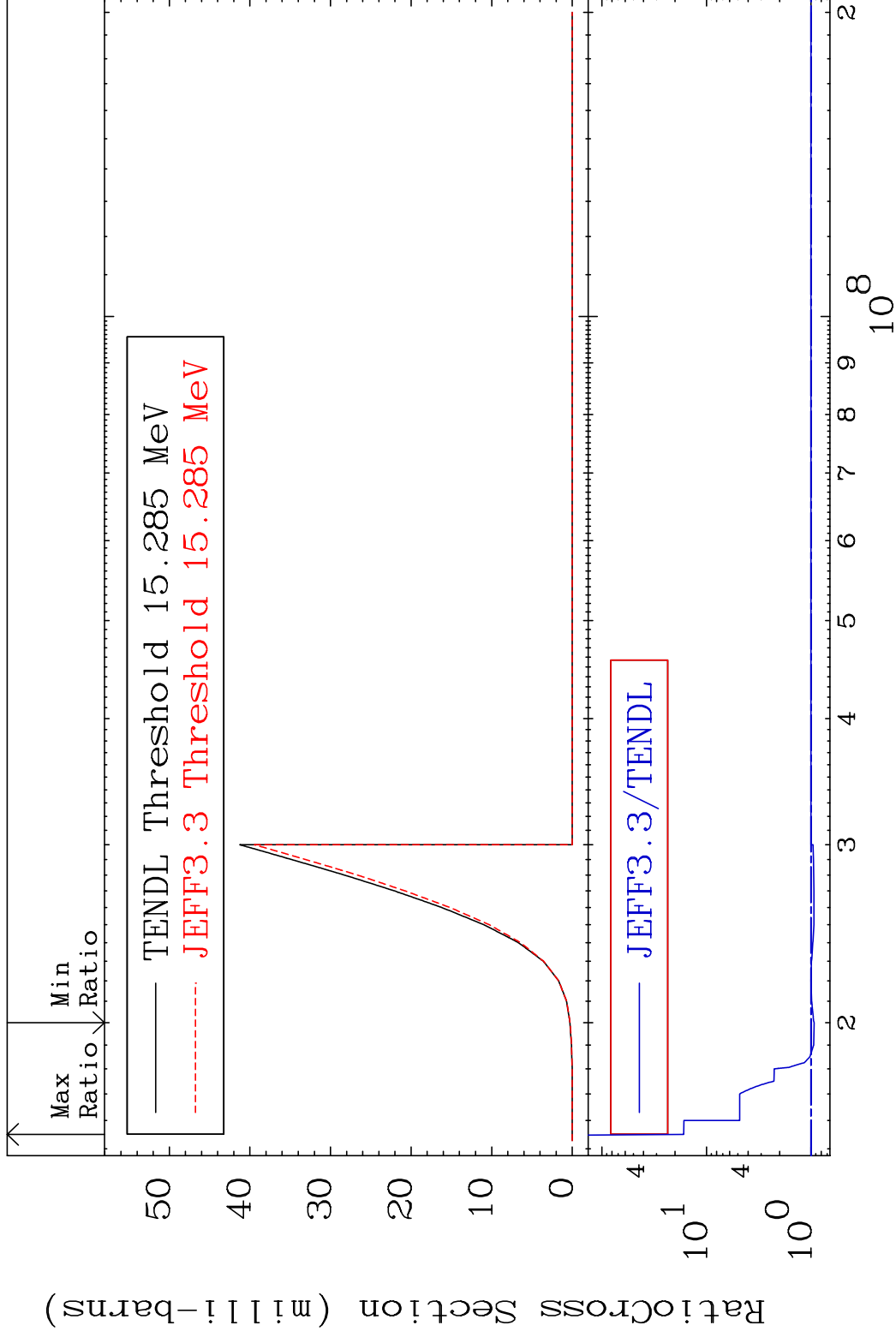


MAT 3534

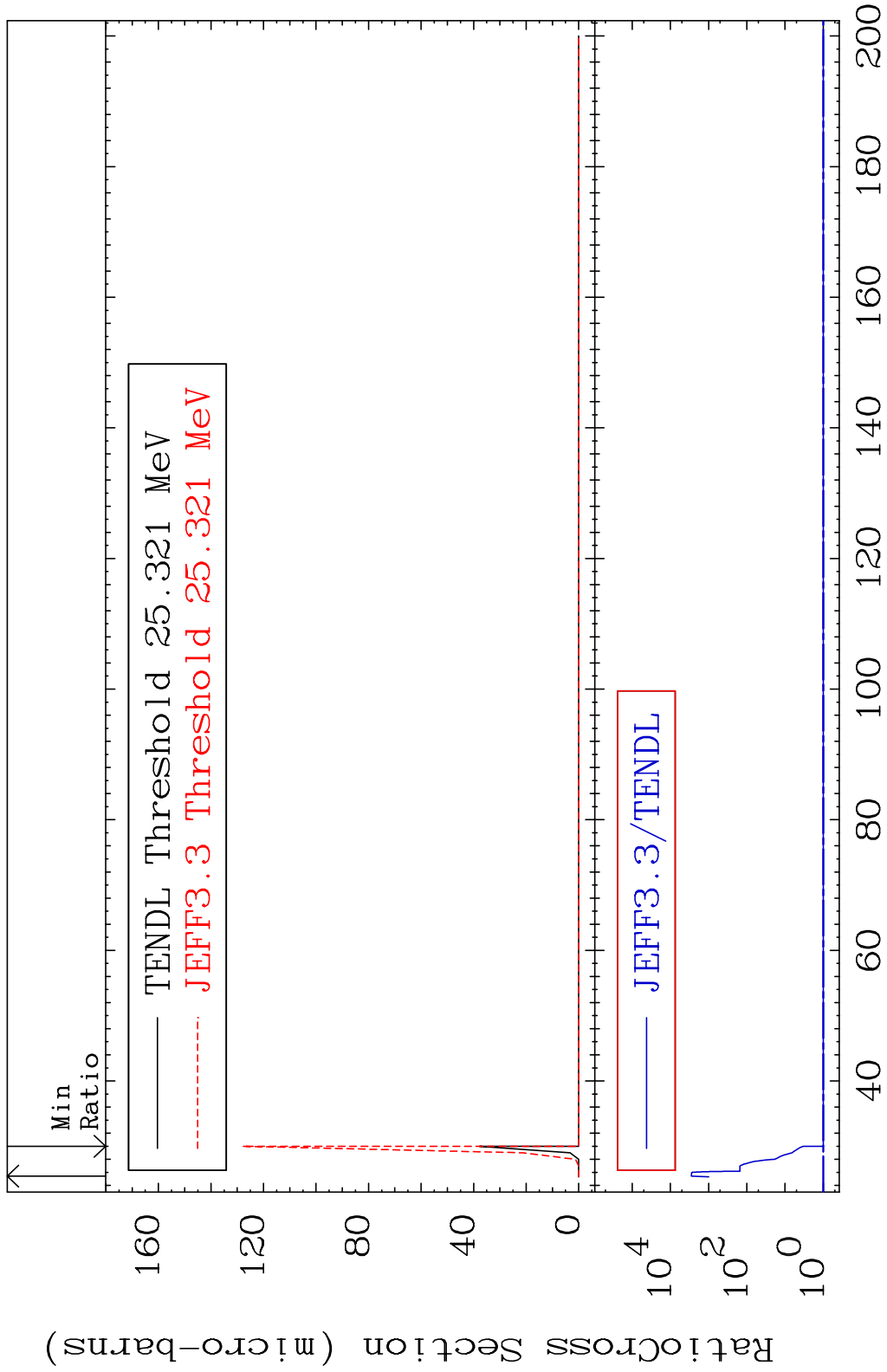
(n,2n) p

35-Br-82

Cross Section -6.494 To 1553. %



MAT 3534 (n,3n) p 35-Br-82
 Cross Section 0.000 To 9999. %

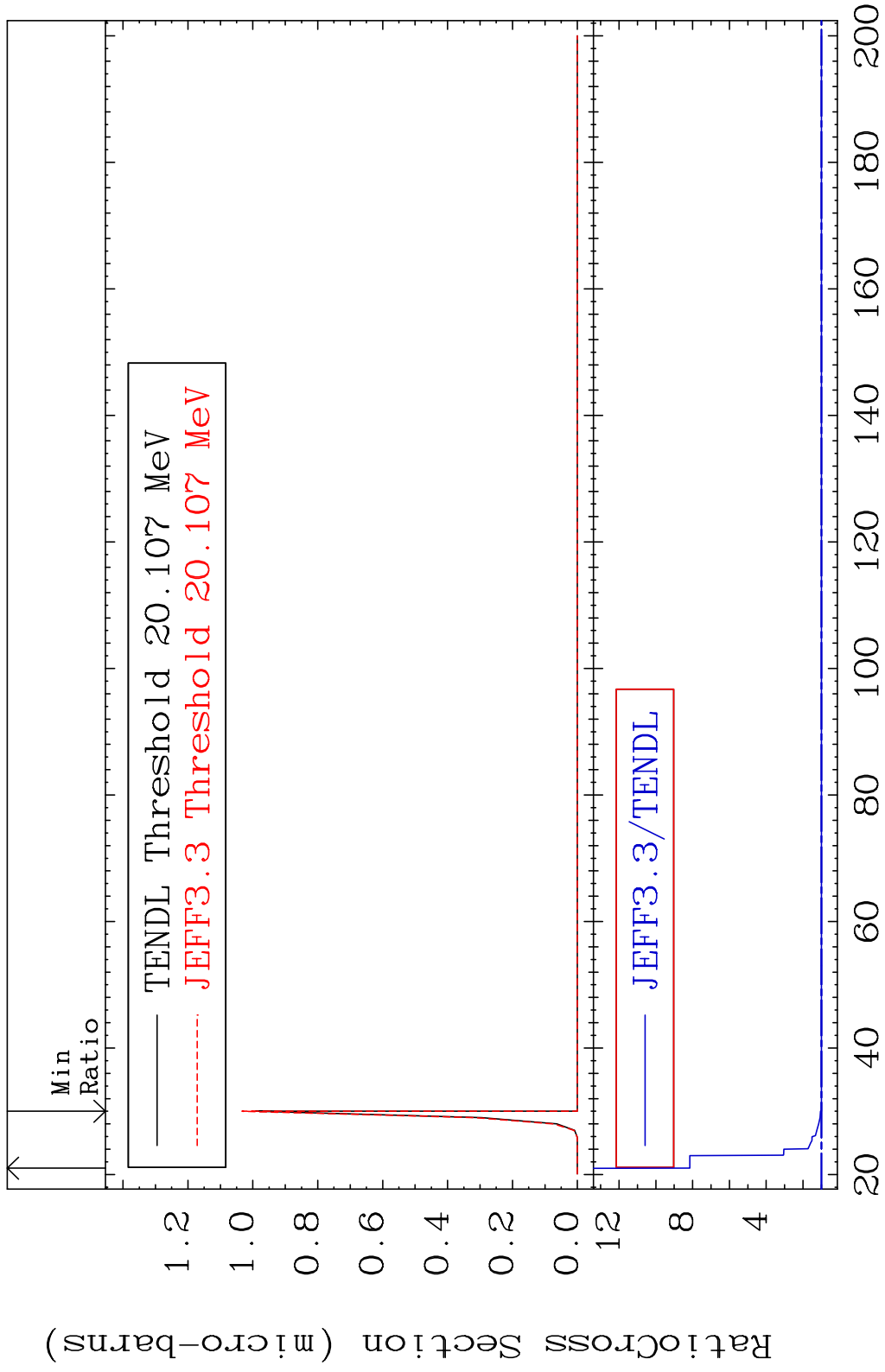


MAT 3534

(n,2n) p

35-Br-82

Cross Section 0.000 To 715.5 %



16

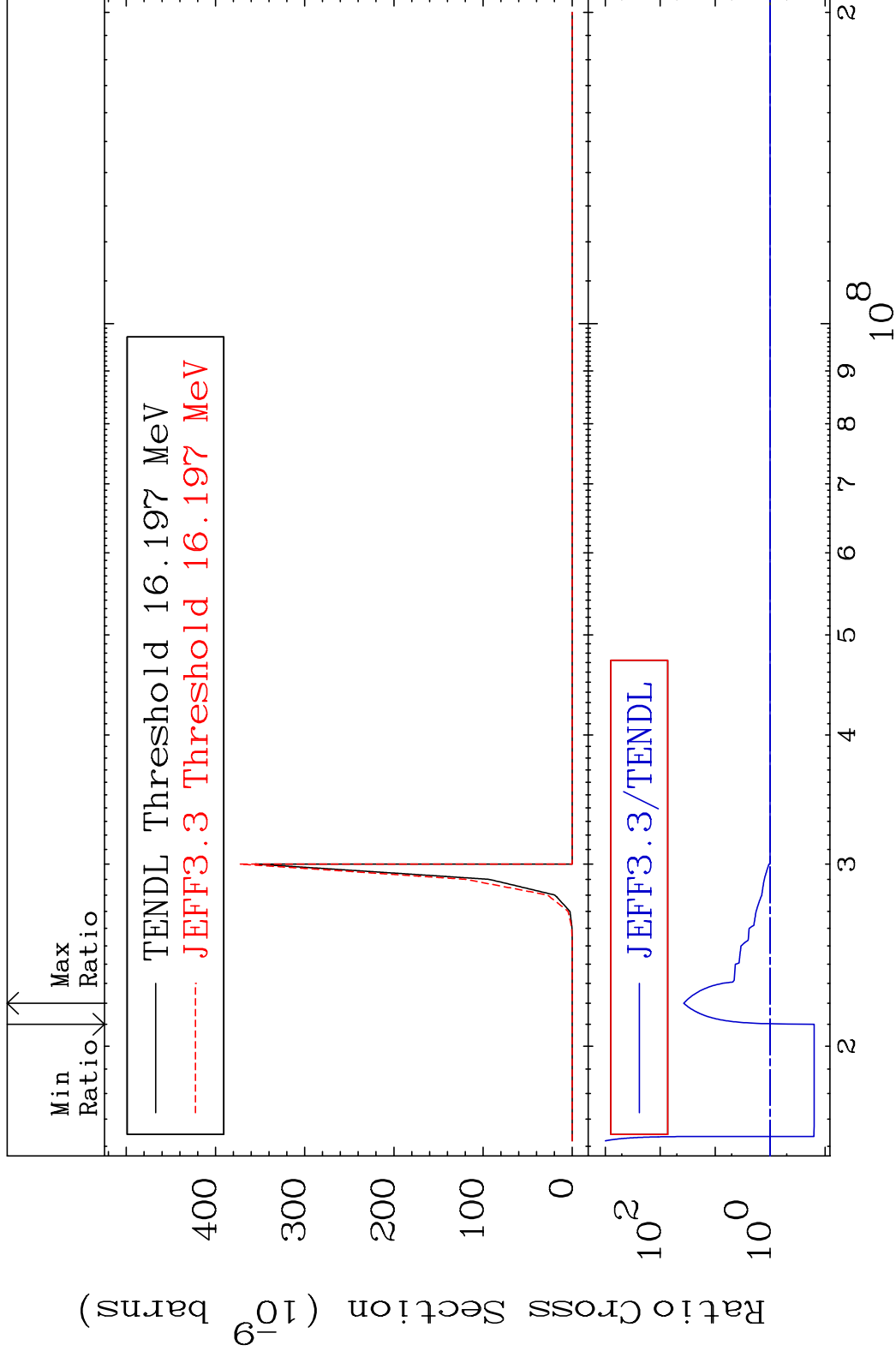
Incident Energy (MeV)

35-Br-82

MAT 3534

(n, n') p α 35-Br-82

Cross Section -84.17 To 3651. %

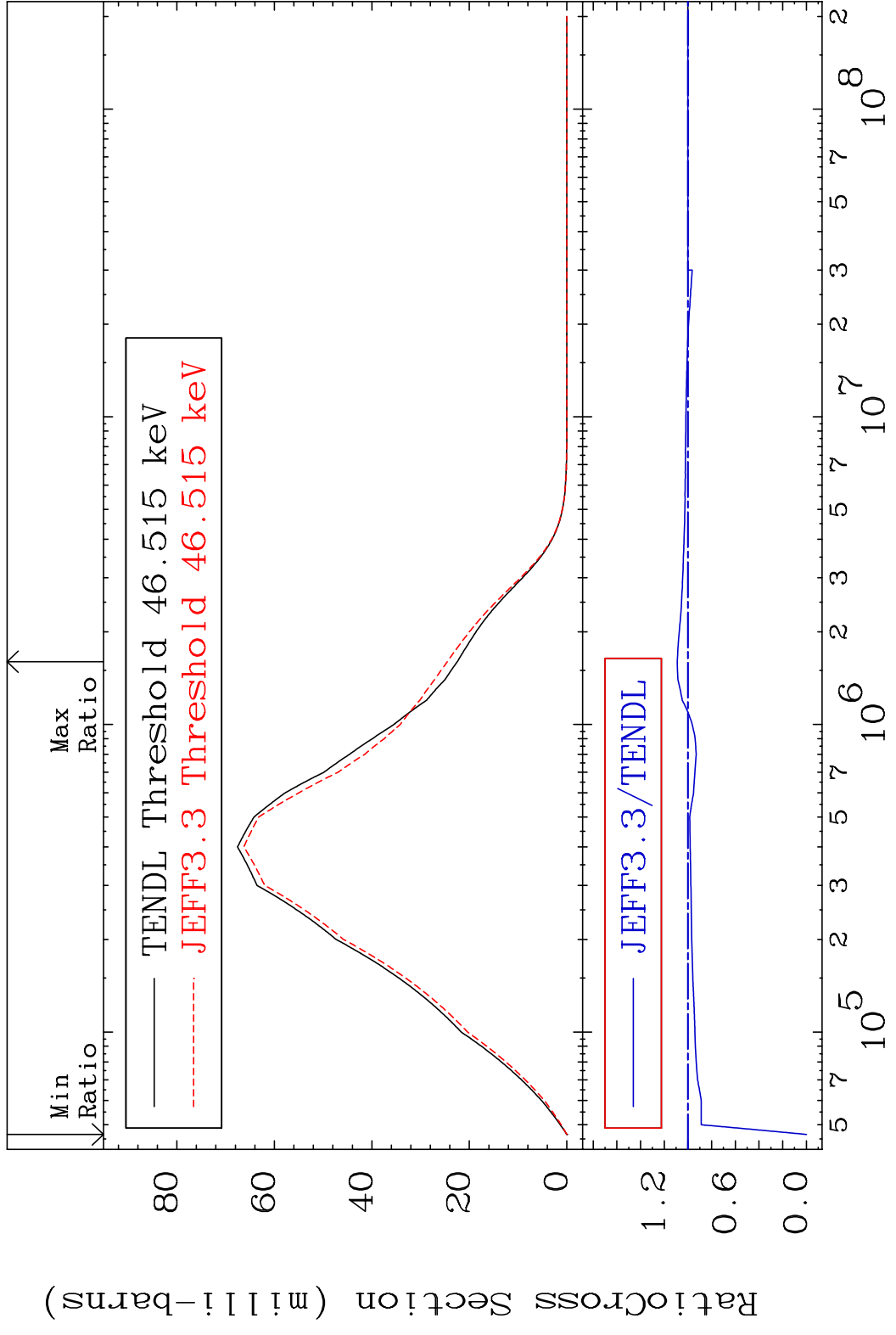


17

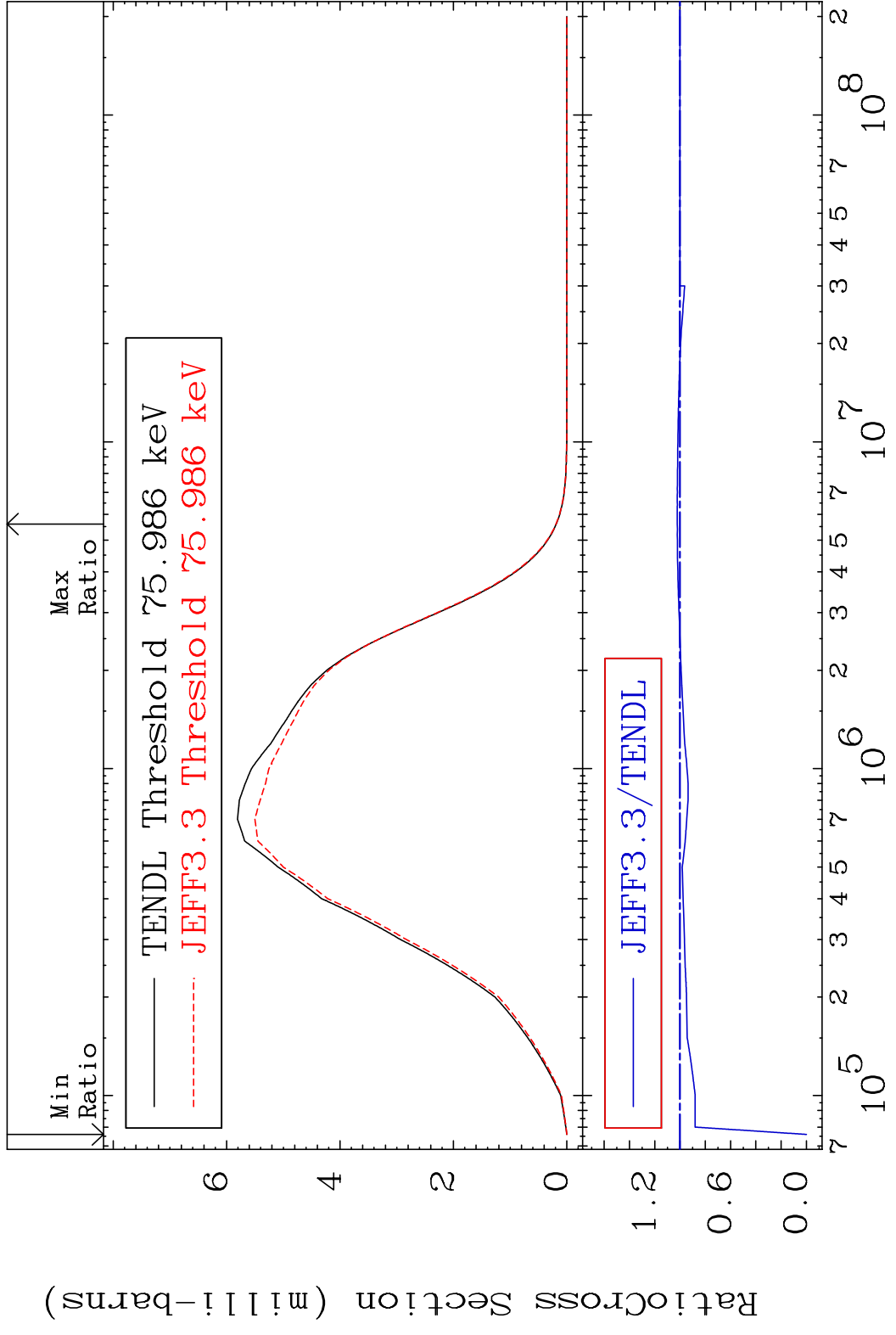
Incident Energy (eV)

35-Br-82

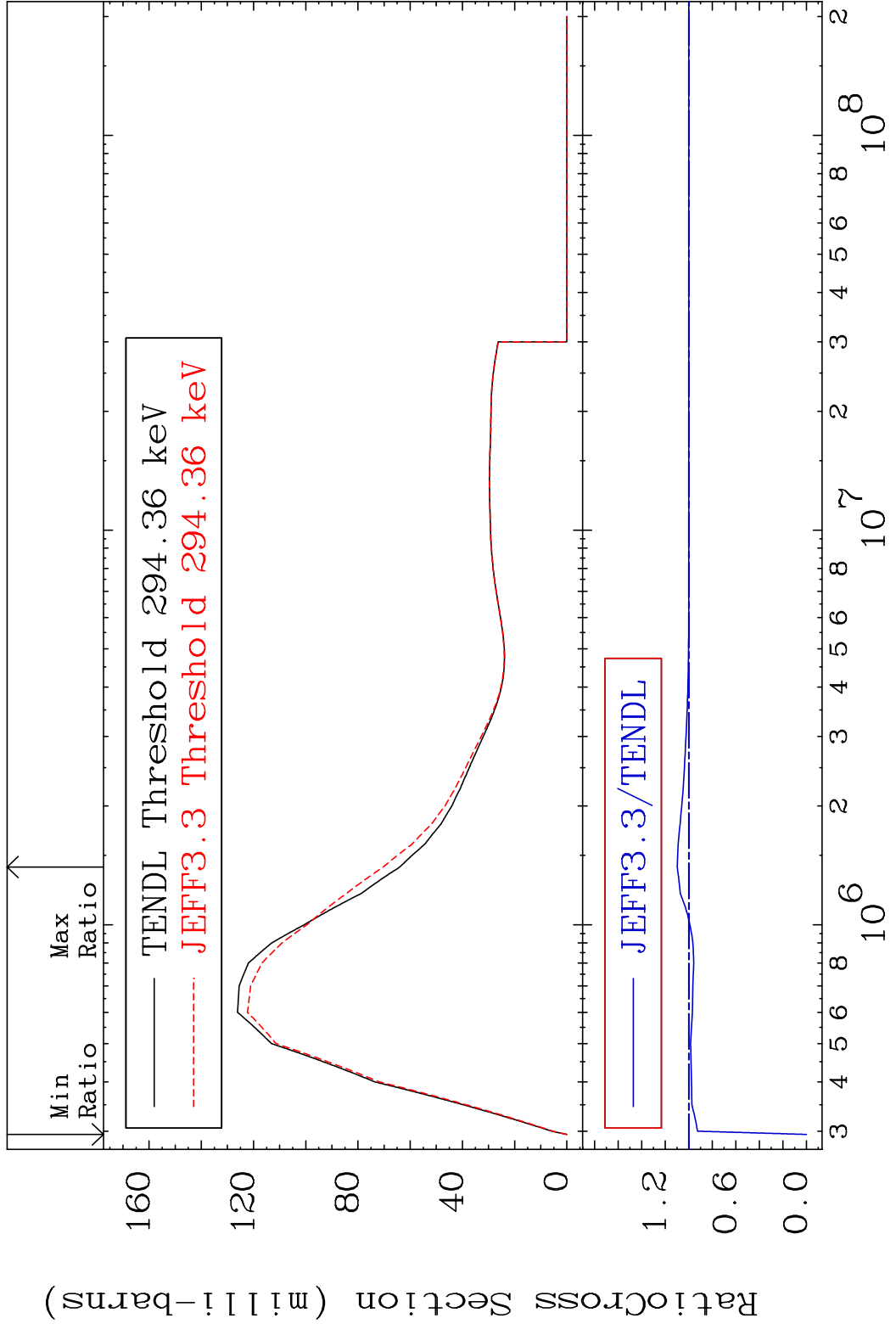
MAT 3534 MT= 51 (n, n') Level 35-Br-82
 Cross Section -100.0 To 9.069 %



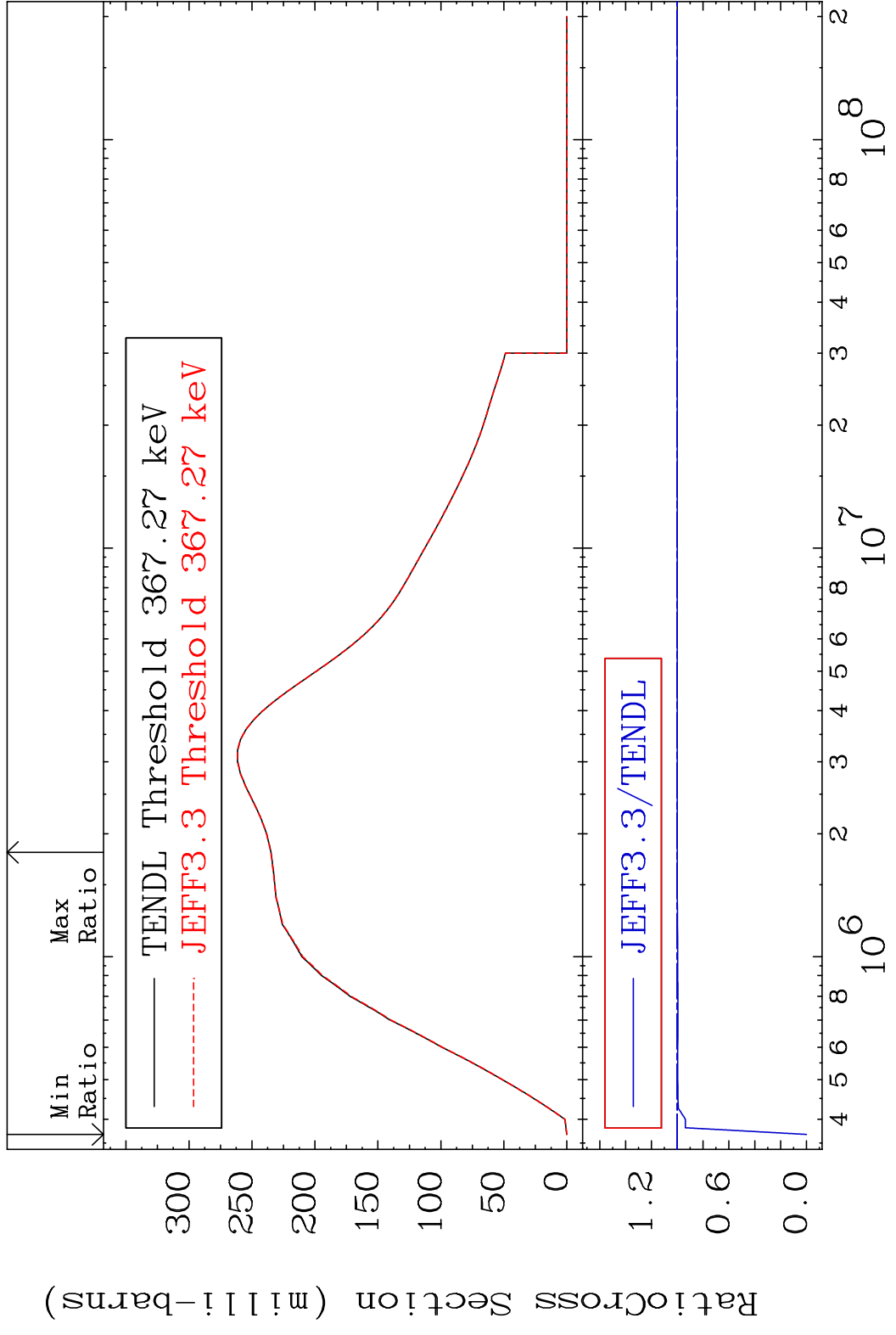
MAT 3534 MT= 52 (n, n') Level 35-Br-82
 Cross Section -100.0 To 2.248 %



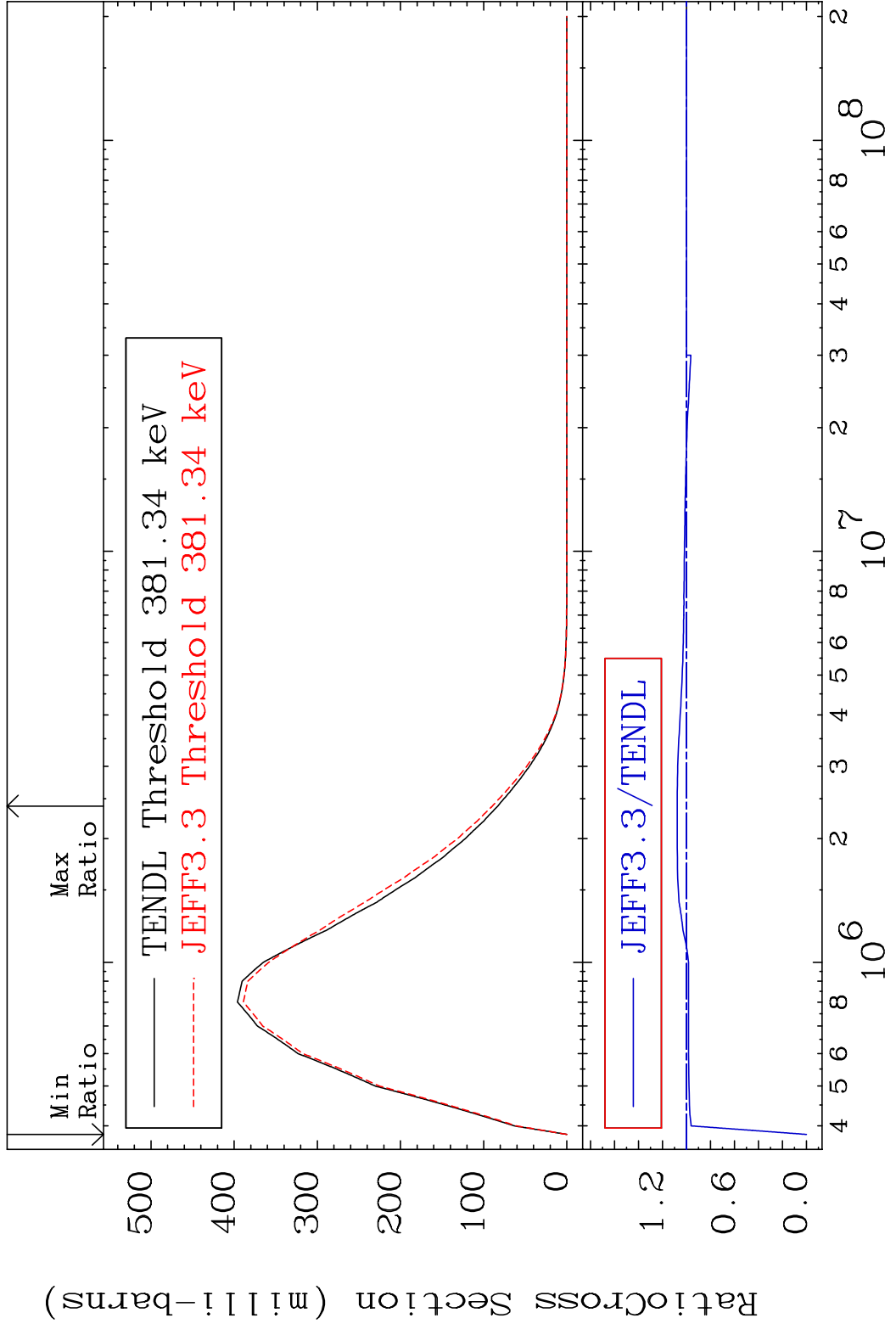
MAT 3534 MT= 53 (n, n') Level 35-Br-82
 Cross Section -100.0 To 9.860 %



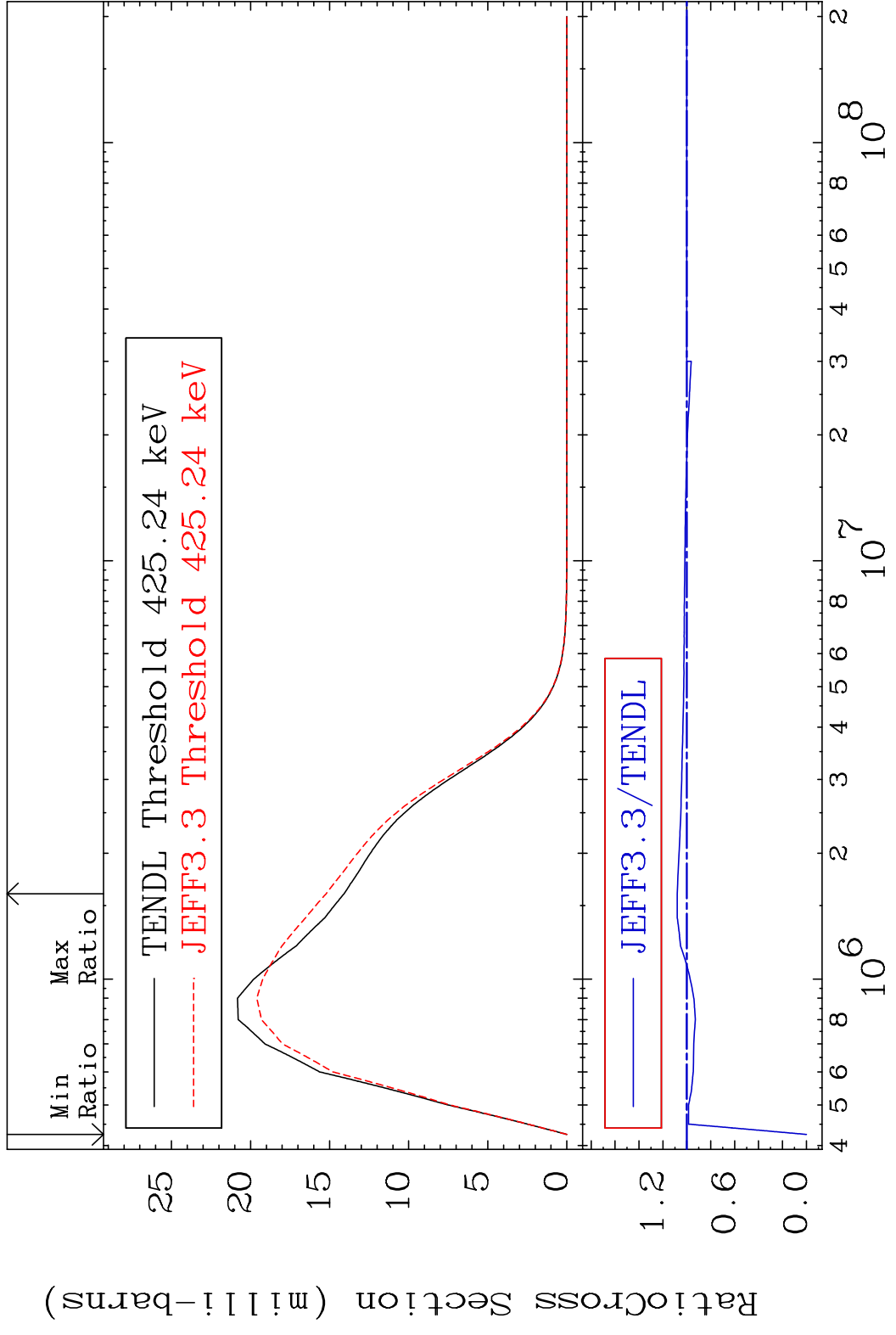
MAT 3534 MT= 54 (n, n') Level 35-Br-82
 Cross Section -100.0 To 0.065 %



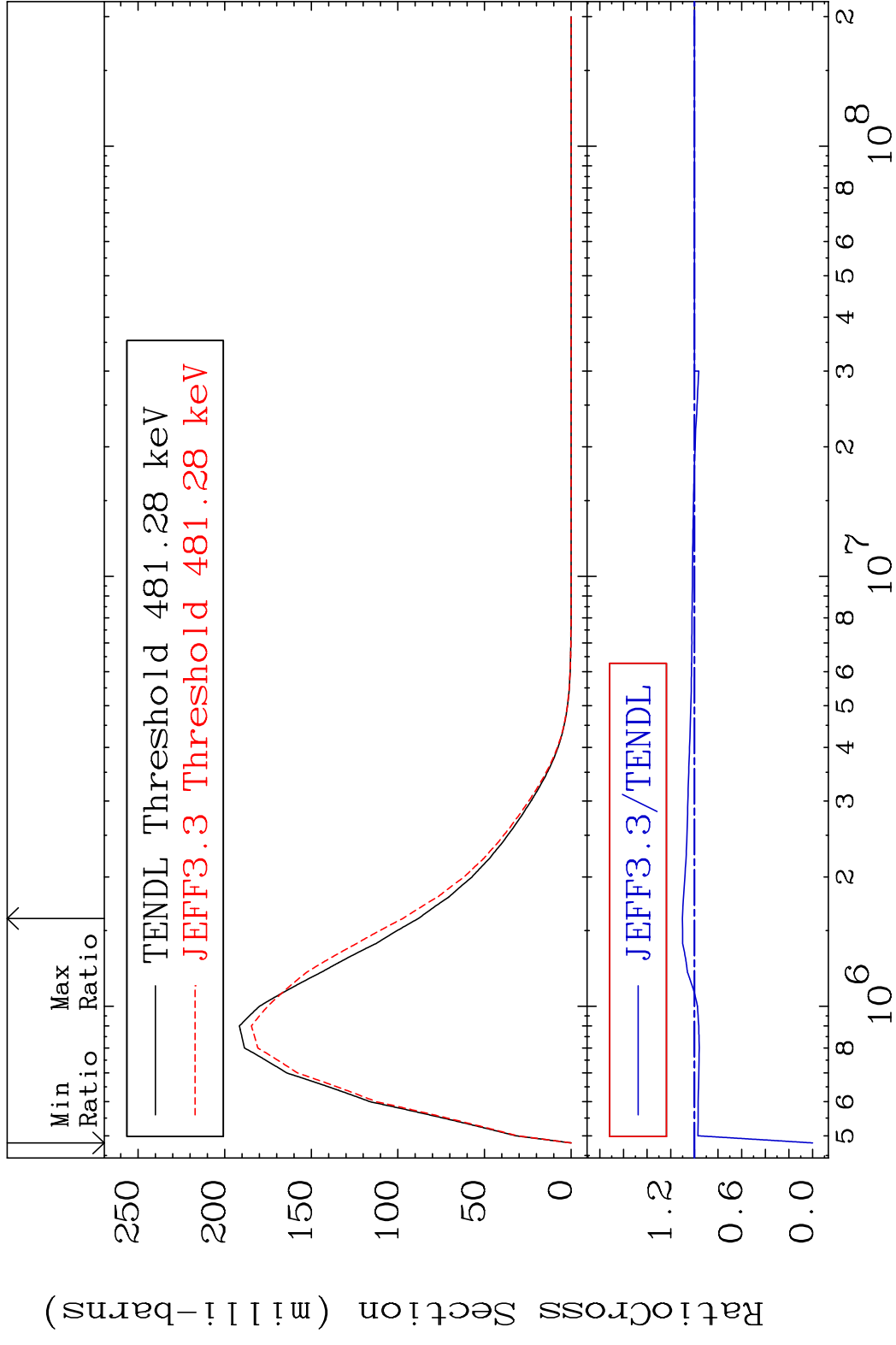
MAT 3534 MT= 55 (n,n') Level 35-Br-82
 Cross Section -100.0 To 7.757 %



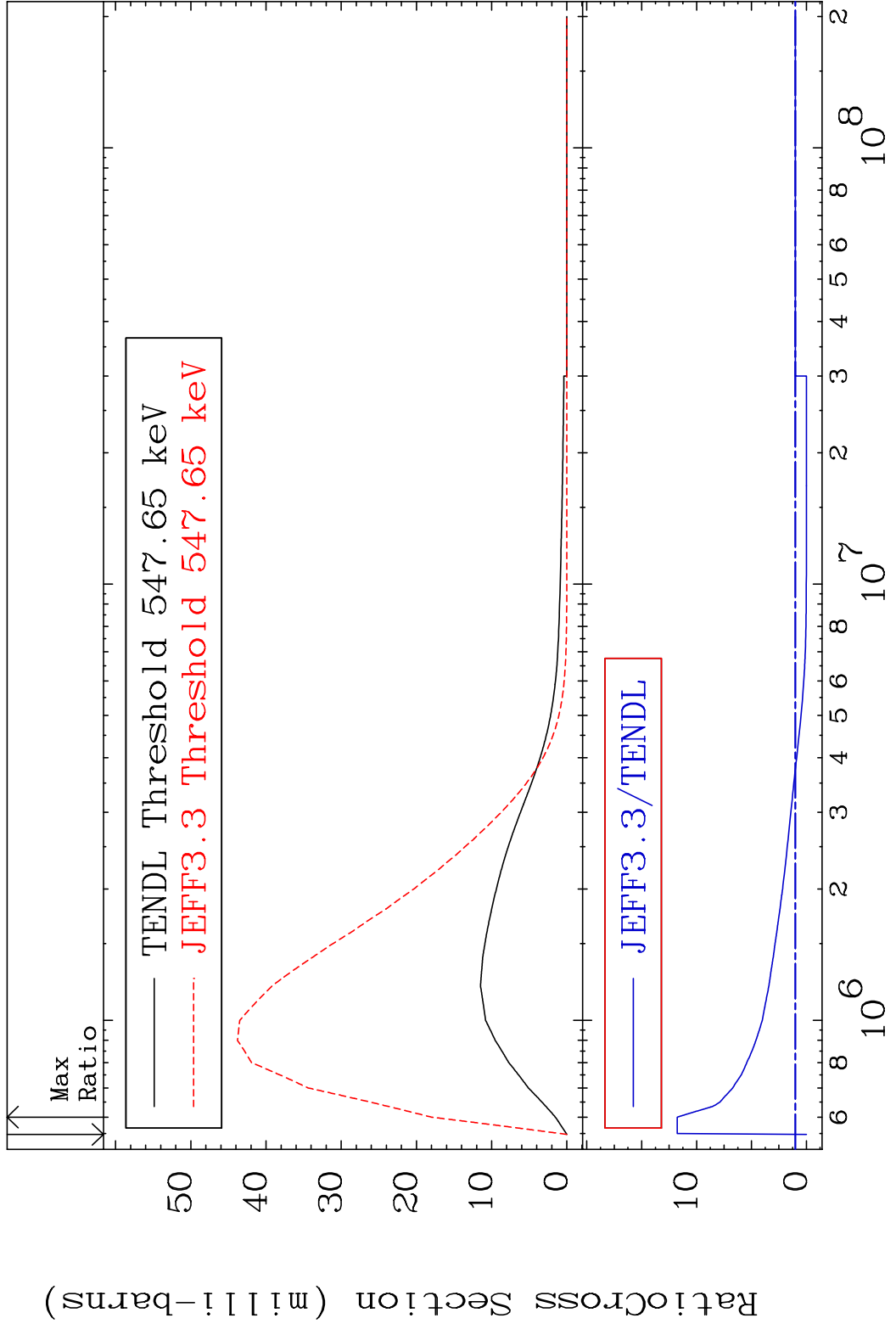
MAT 3534 MT= 56 (n,n') Level 35-Br-82
 Cross Section -100.0 To 8.068 %



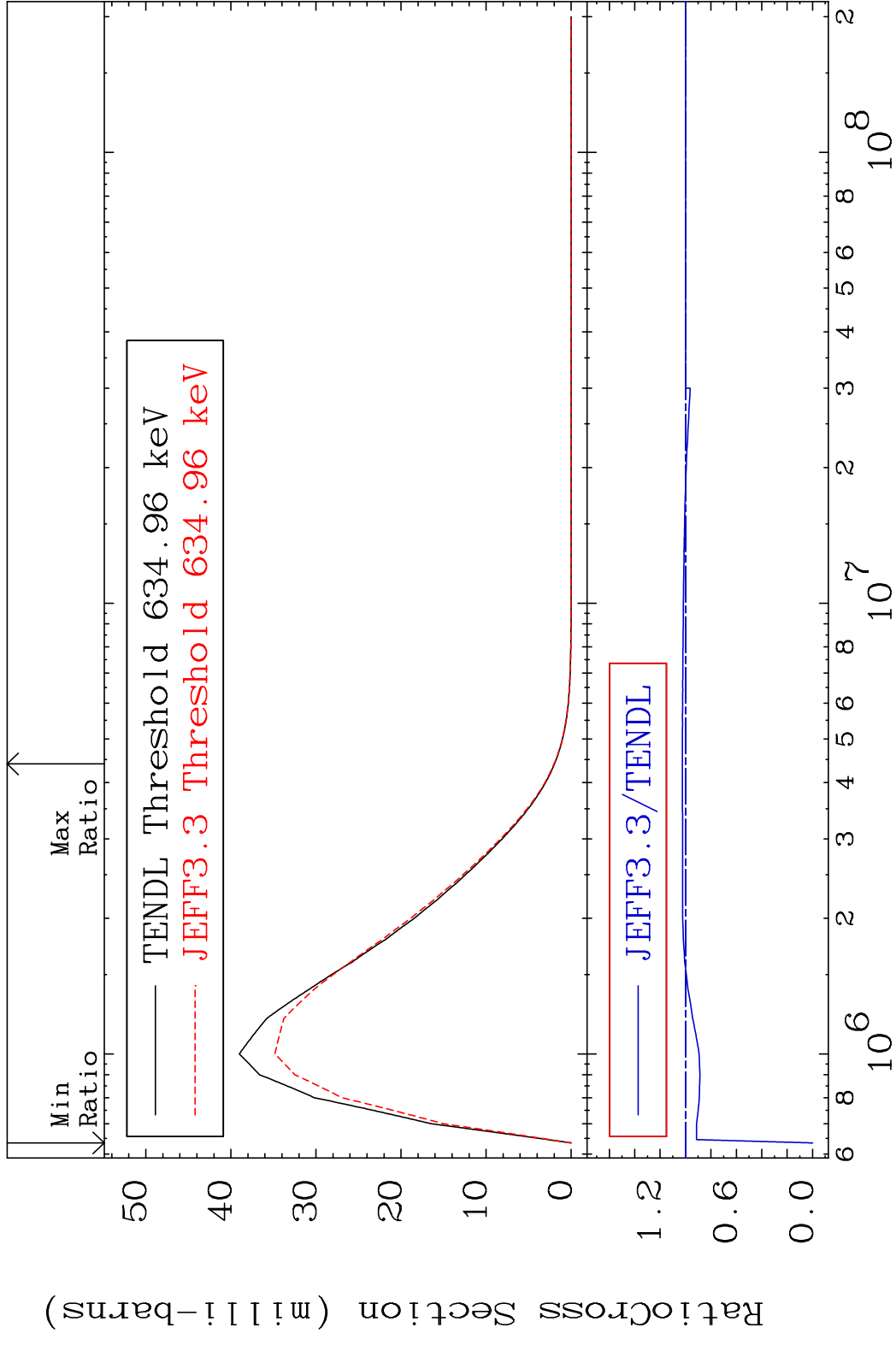
MAT 3534 MT= 57 (n, n') Level 35-Br-82
 Cross Section -100.0 To 10.20 %



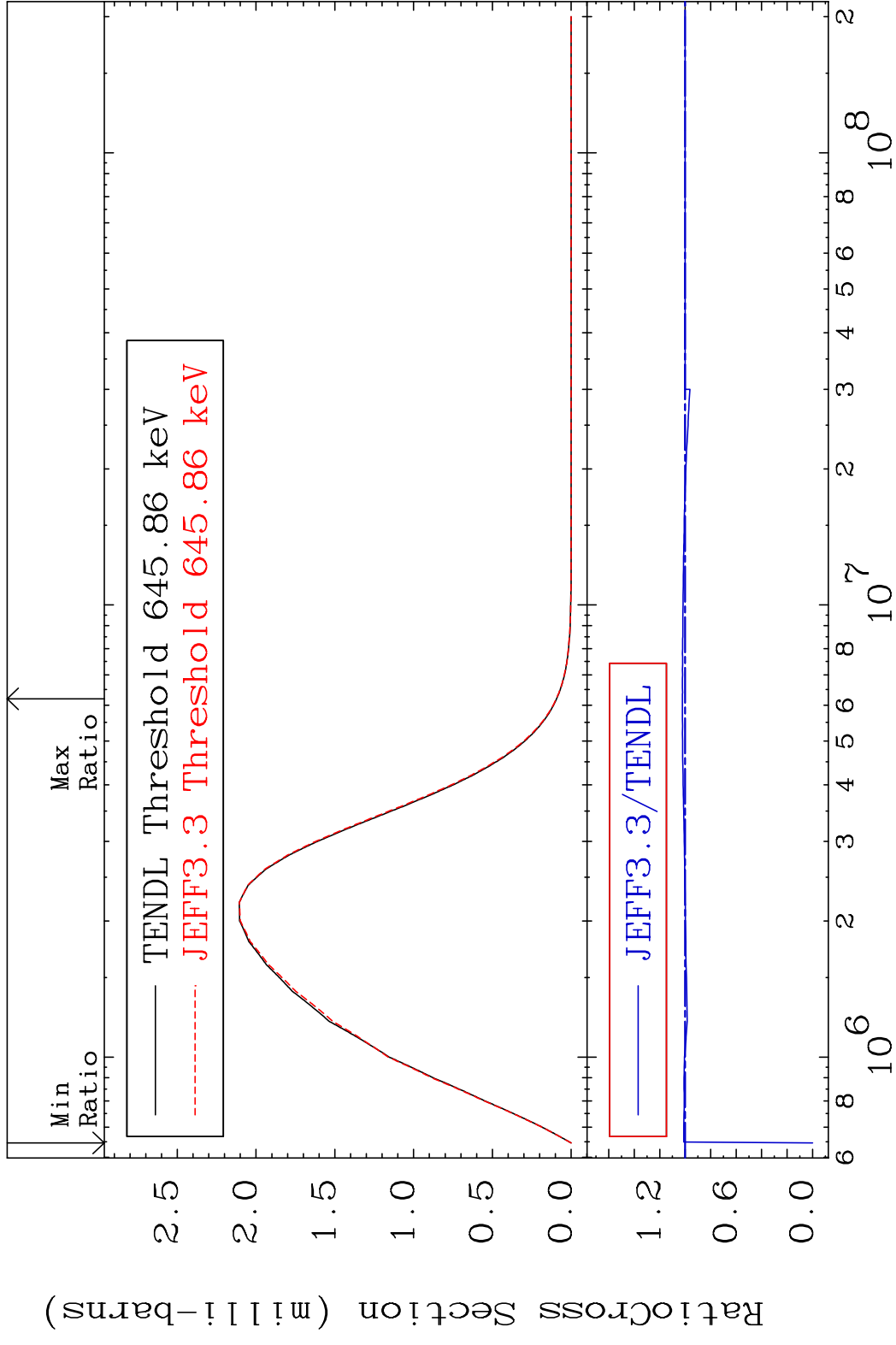
MAT 3534 MT= 58 (n, n') Level 35-Br-82
 Cross Section -100.0 To 1077. %



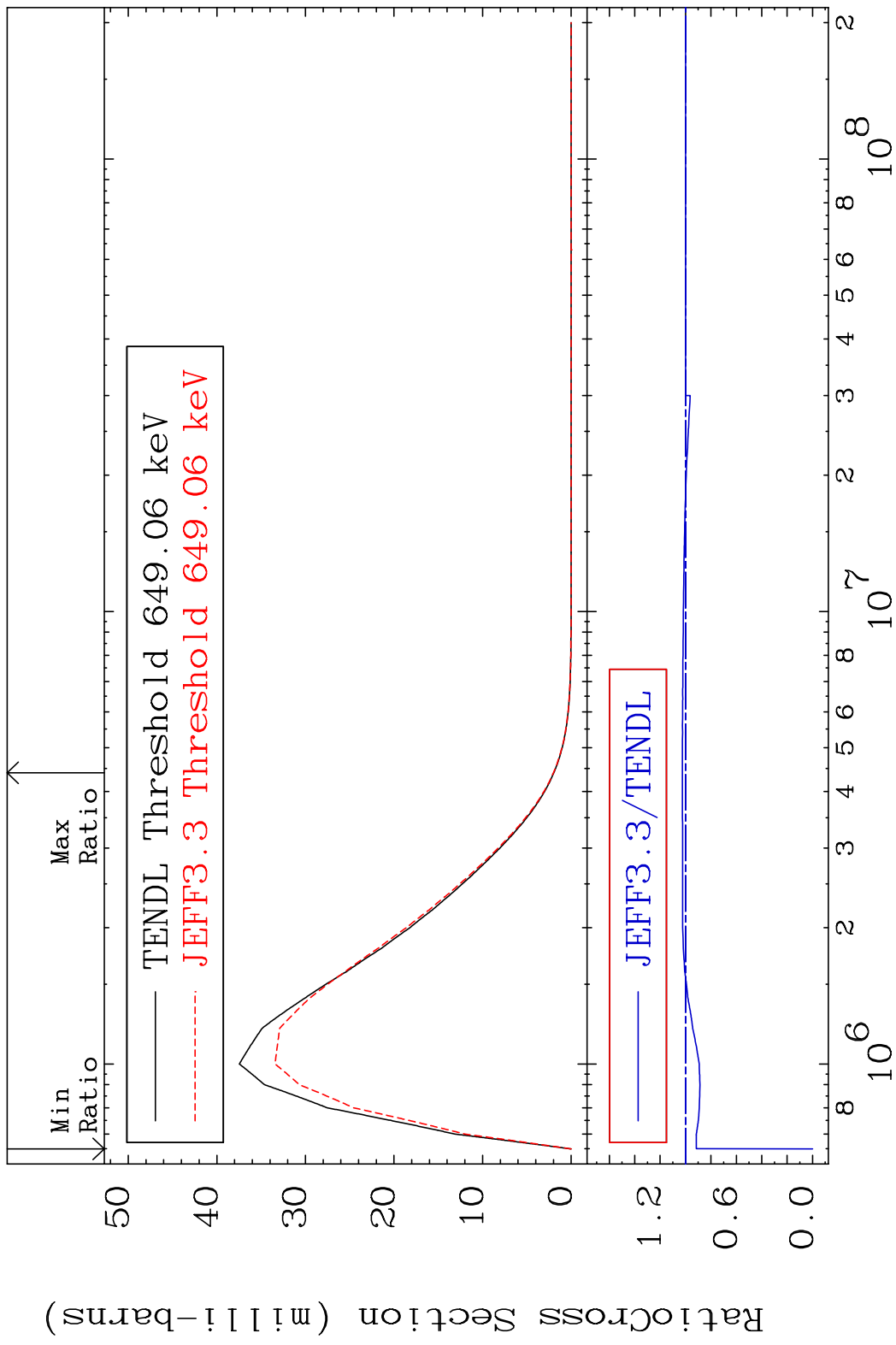
MAT 3534 MT= 59 (n, n') Level 35-Br-82
 Cross Section -100.0 To 2.503 %



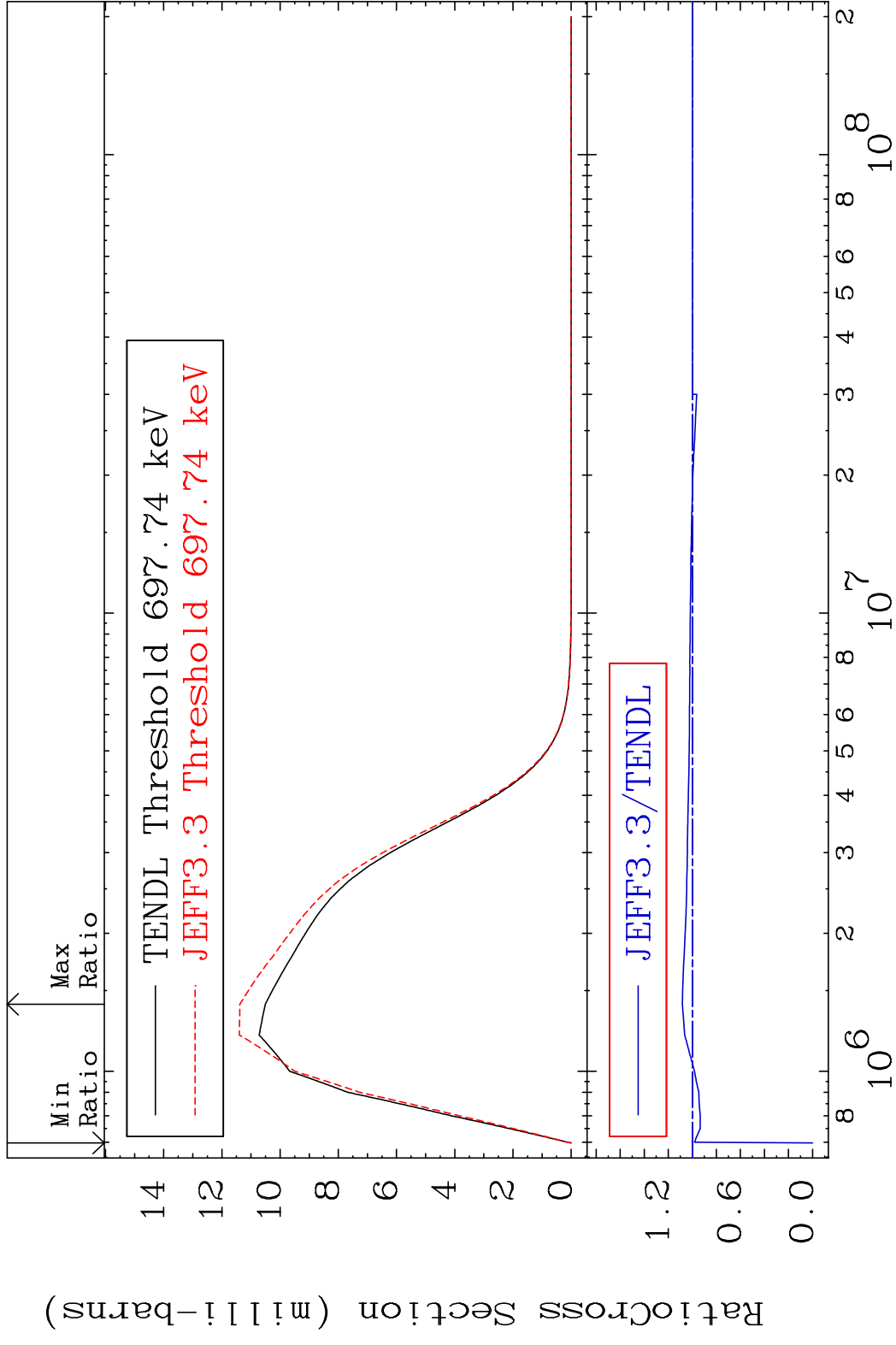
MAT 3534 MT= 60 (n, n') Level 35-Br-82
 Cross Section -100.0 To 2.224 %



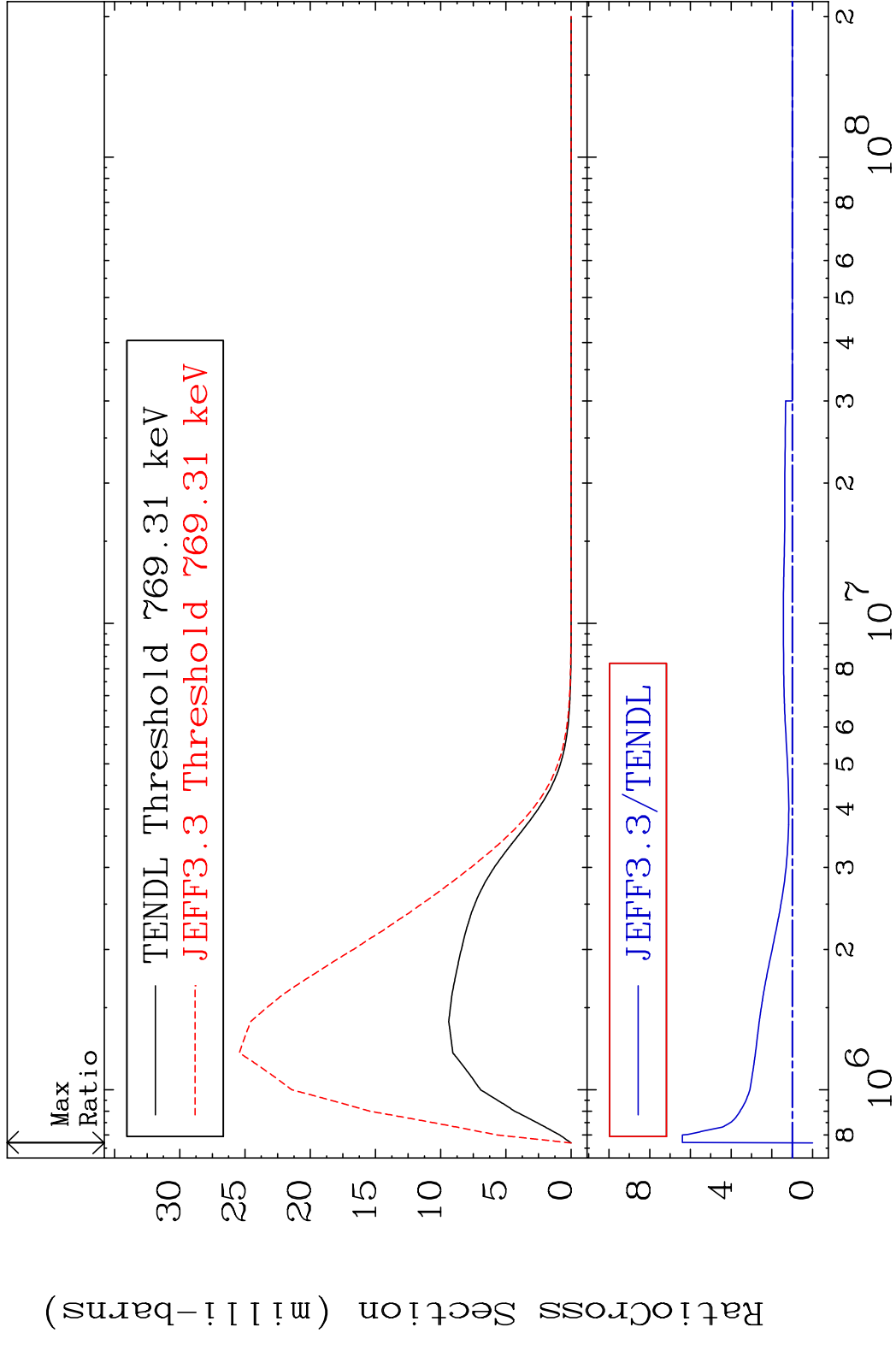
MAT 3534 MT= 61 (n, n') Level 35-Br-82
 Cross Section -100.0 To 2.501 %



MAT 3534 MT= 62 (n, n') Level 35-Br-82
 Cross Section -100.0 To 8.294 %

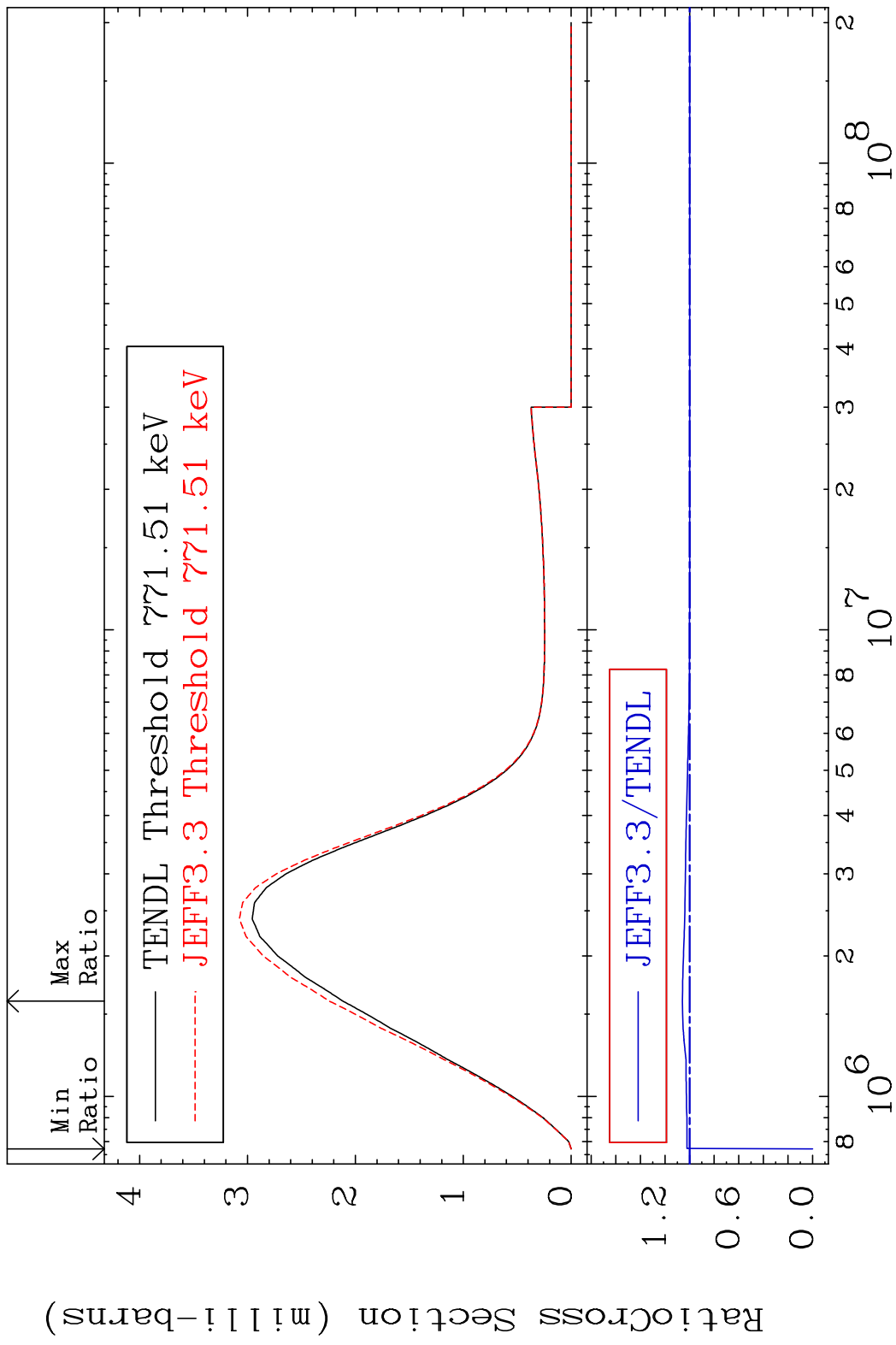


MAT 3534 MT= 63 (n, n') Level 35-Br-82
 Cross Section -100.0 To 539.6 %

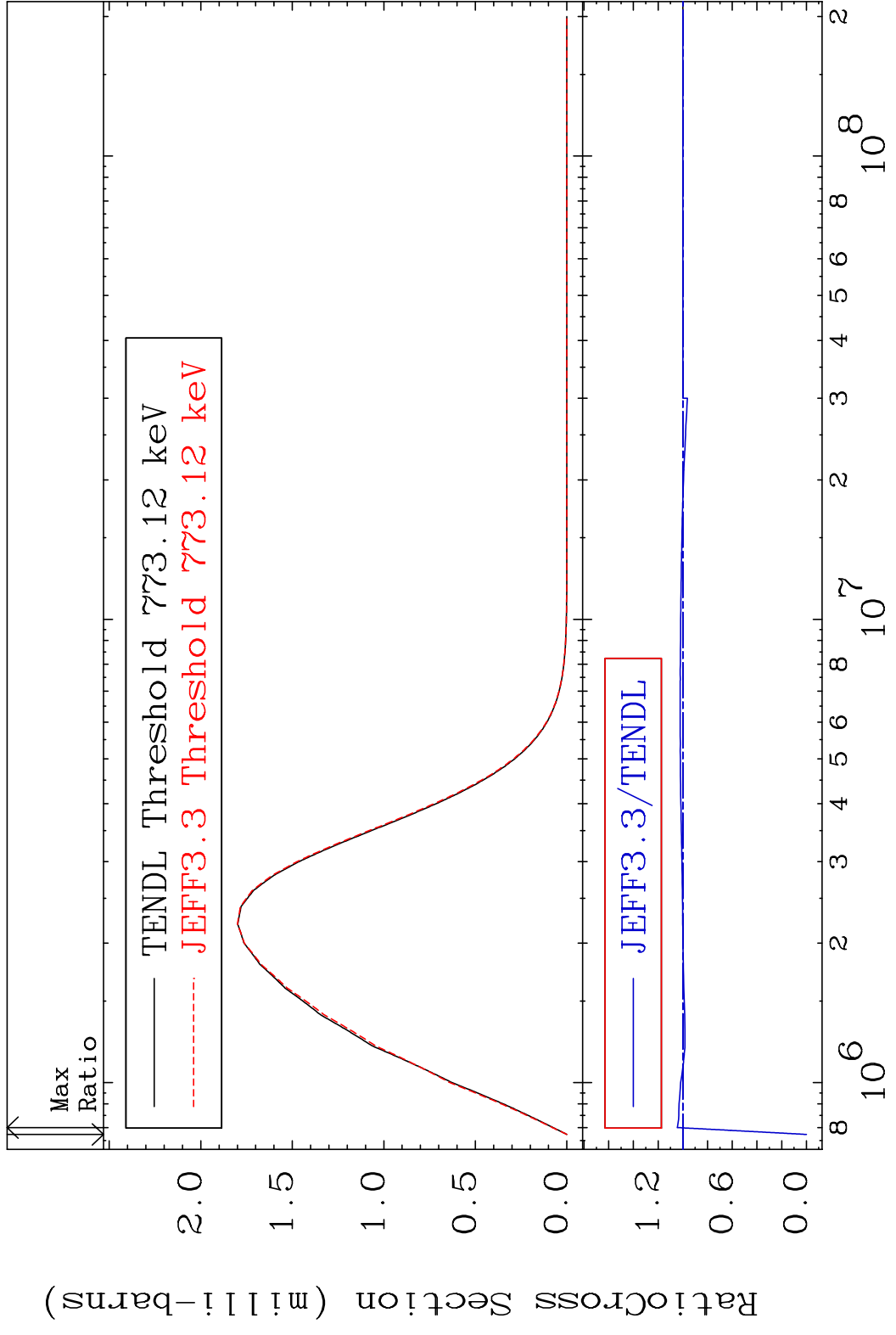


30 Incident Energy (eV) 35-Br-82

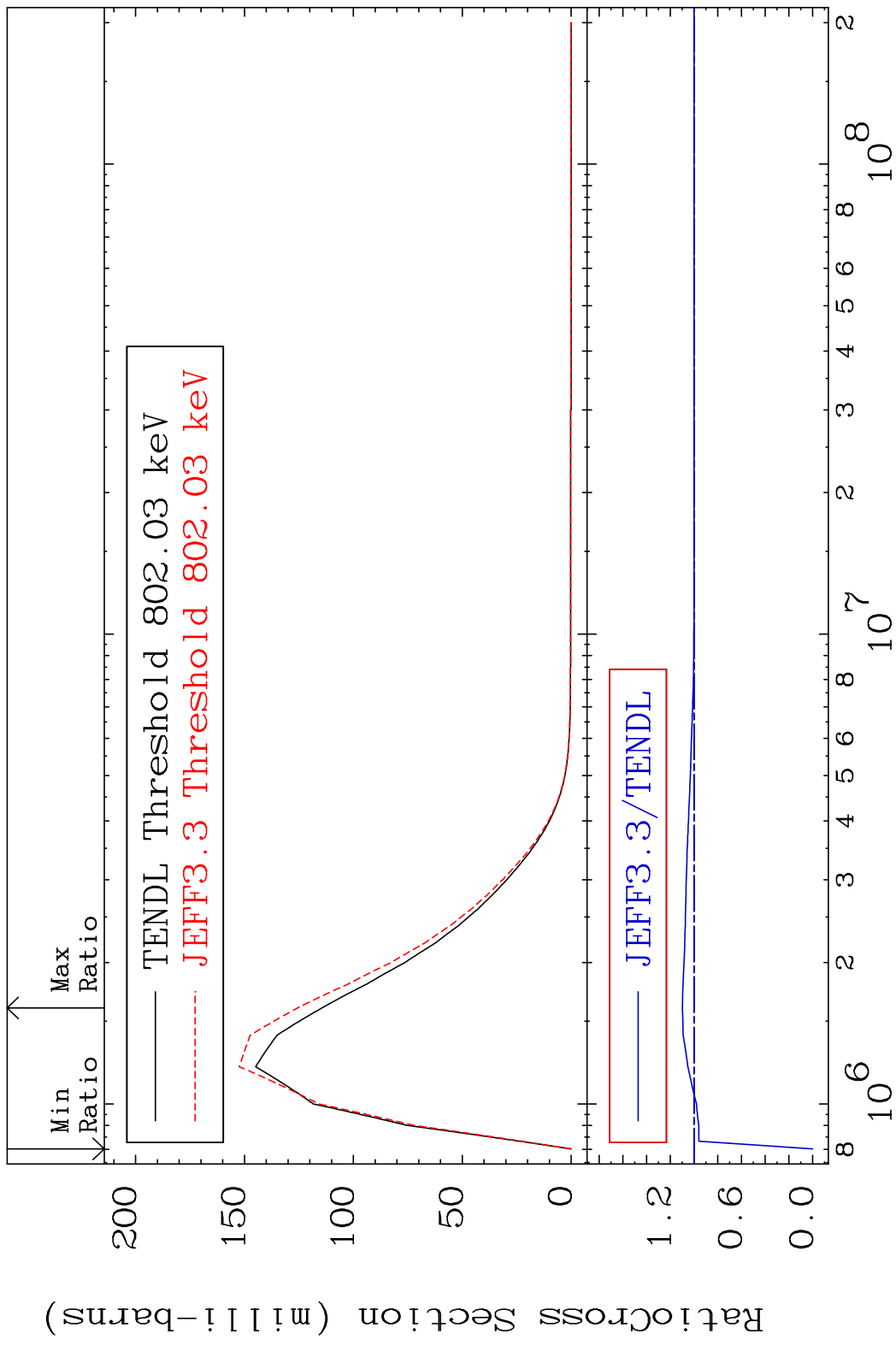
MAT 3534 MT= 64 (n, n') Level 35-Br-82
 Cross Section -100.0 To 5.878 %



MAT 3534 MT= 65 (n, n') Level 35-Br-82
 Cross Section -100.0 To 4.563 %

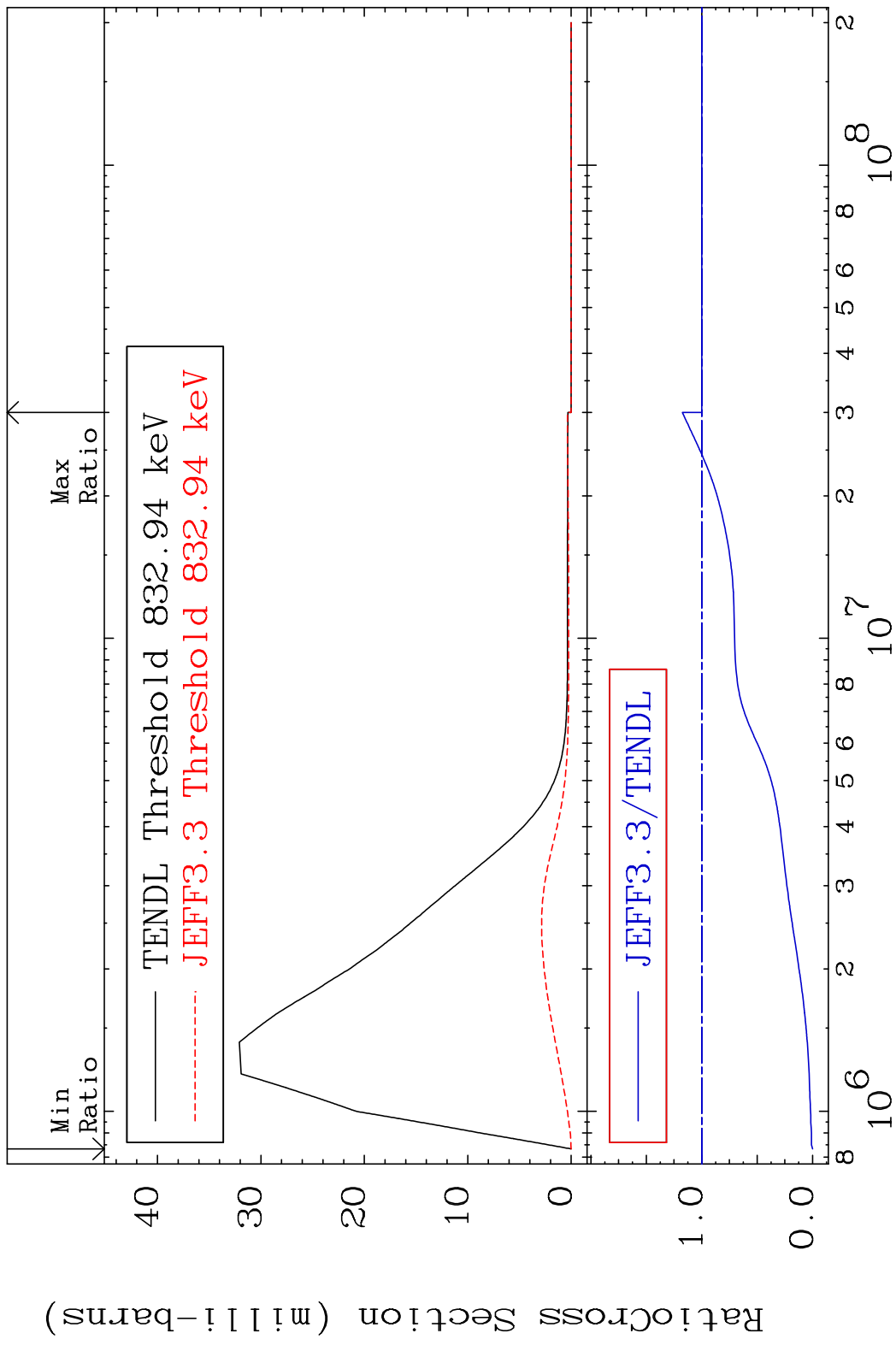


MAT 3534 MT= 66 (n,n') Level 35-Br-82
 Cross Section -100.0 To 9.794 %

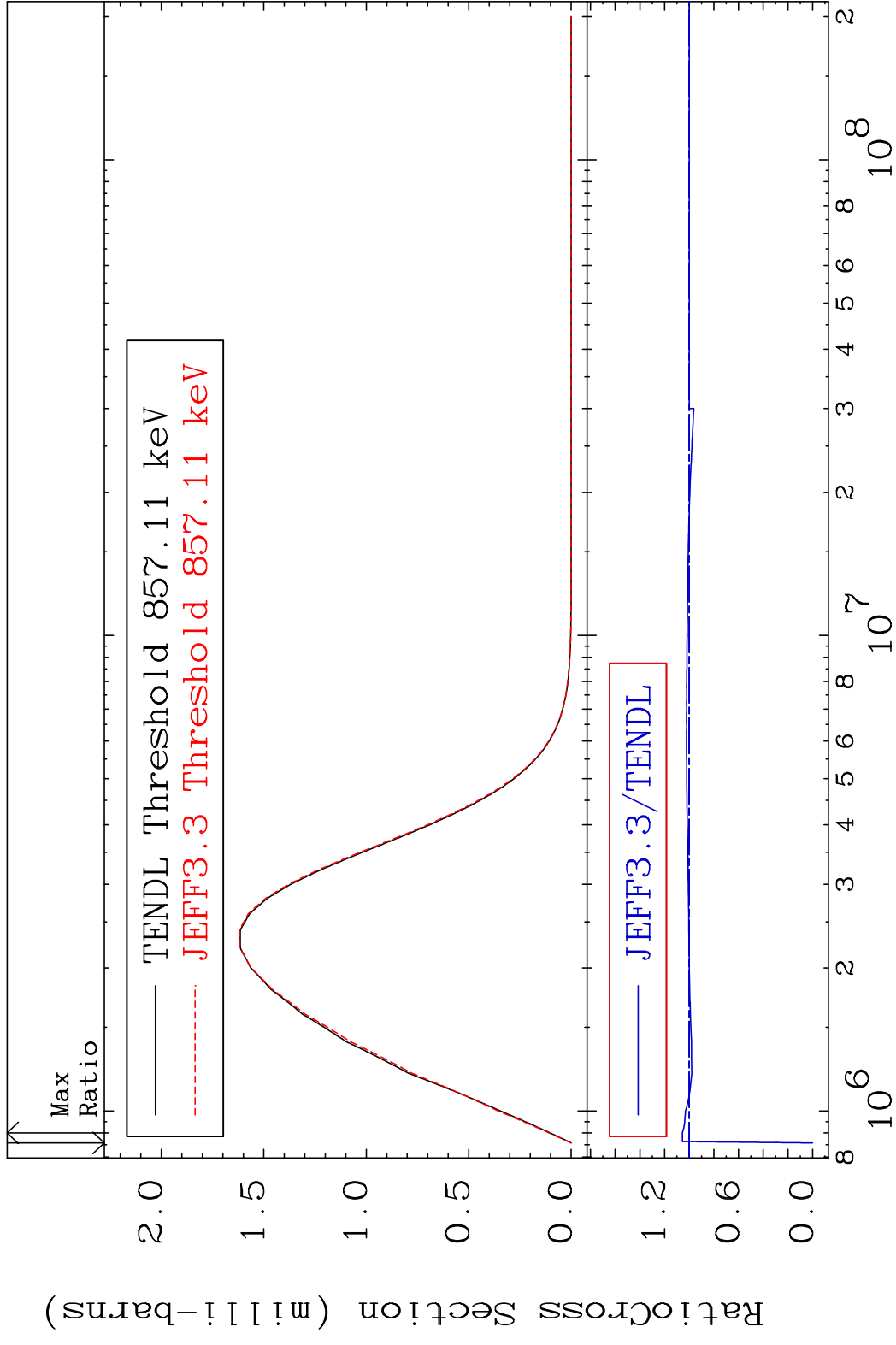


33 Incident Energy (eV) 35-Br-82

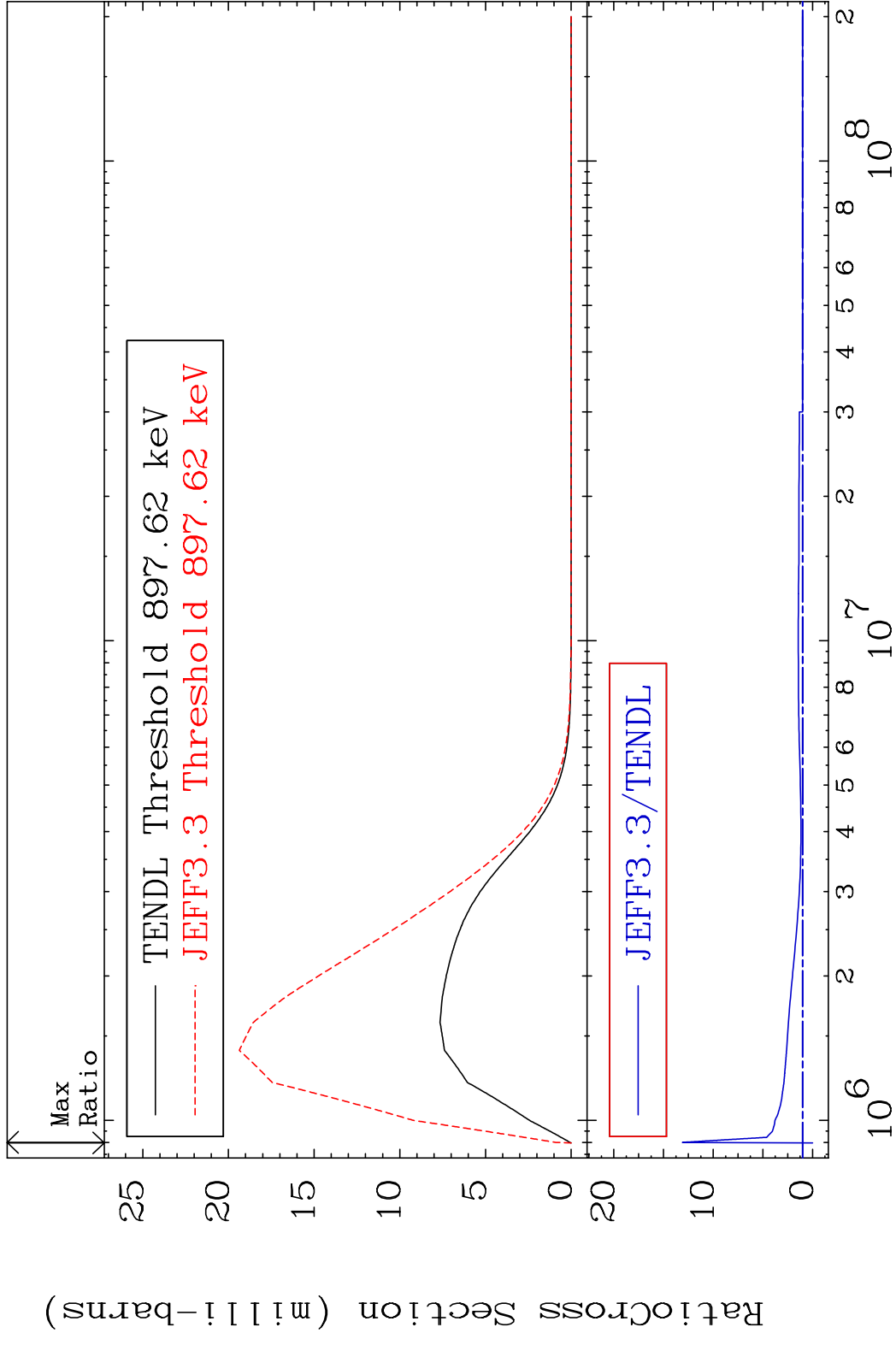
MAT 3534 MT= 67 (n, n') Level 35-Br-82
 Cross Section -100.0 To 17.48 %



MAT 3534 MT= 68 (n, n') Level 35-Br-82
 Cross Section -100.0 To 5.561 %

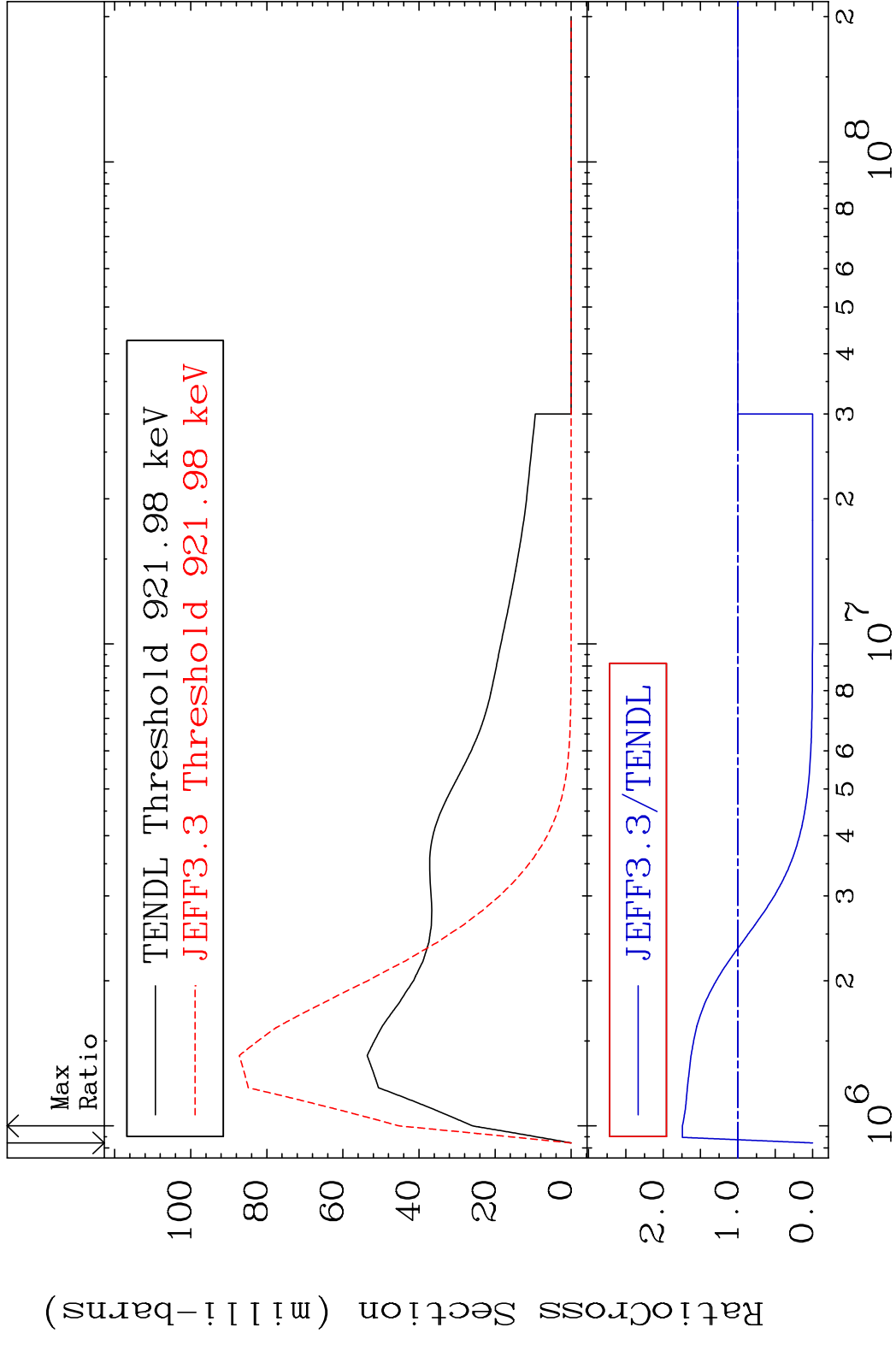


MAT 3534 MT= 69 (n,n') Level 35-Br-82
 Cross Section -100.0 To 1210. %

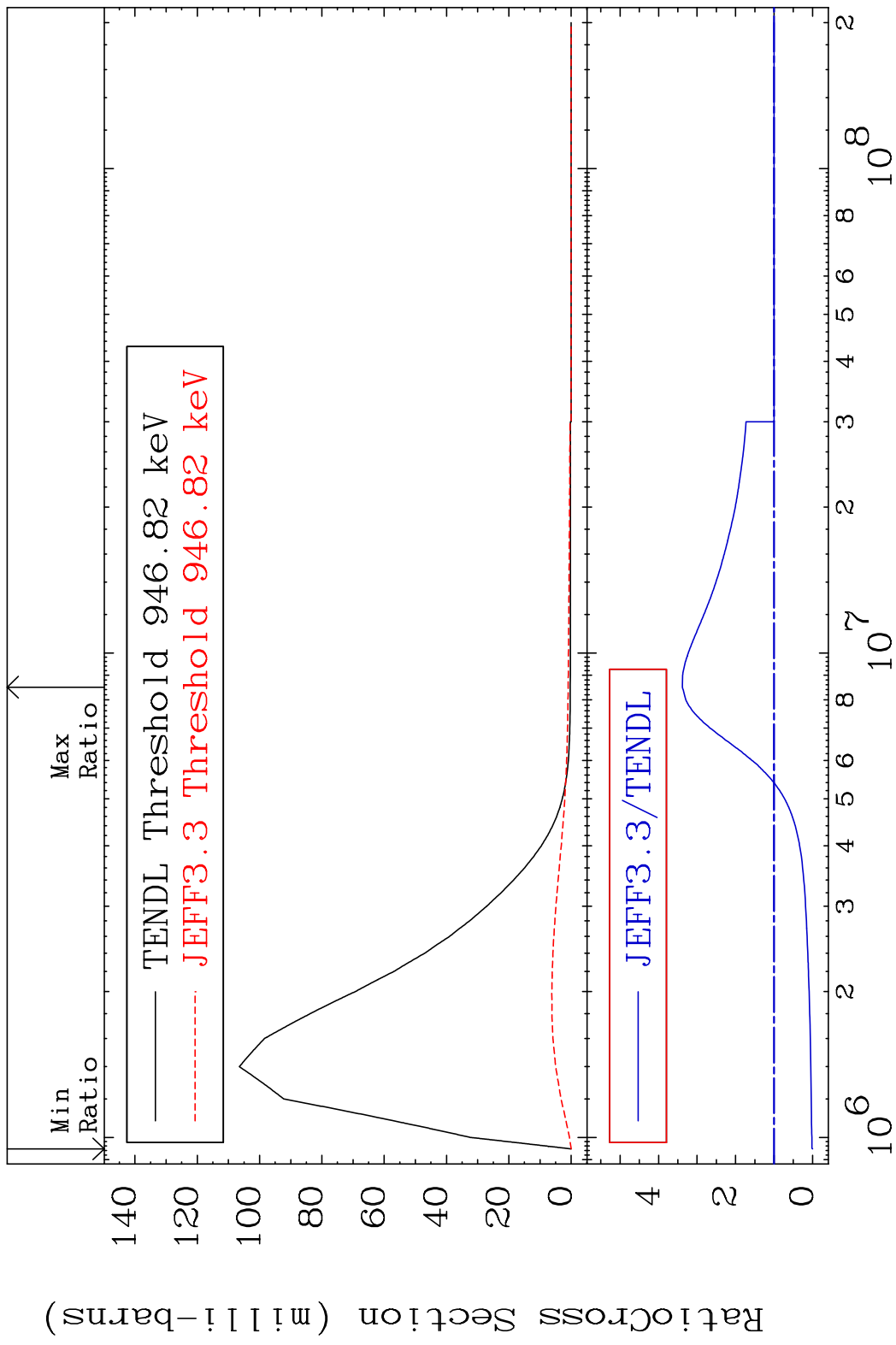


36 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 70 (n, n') Level 35-Br-82
 Cross Section -100.0 To 74.31 %

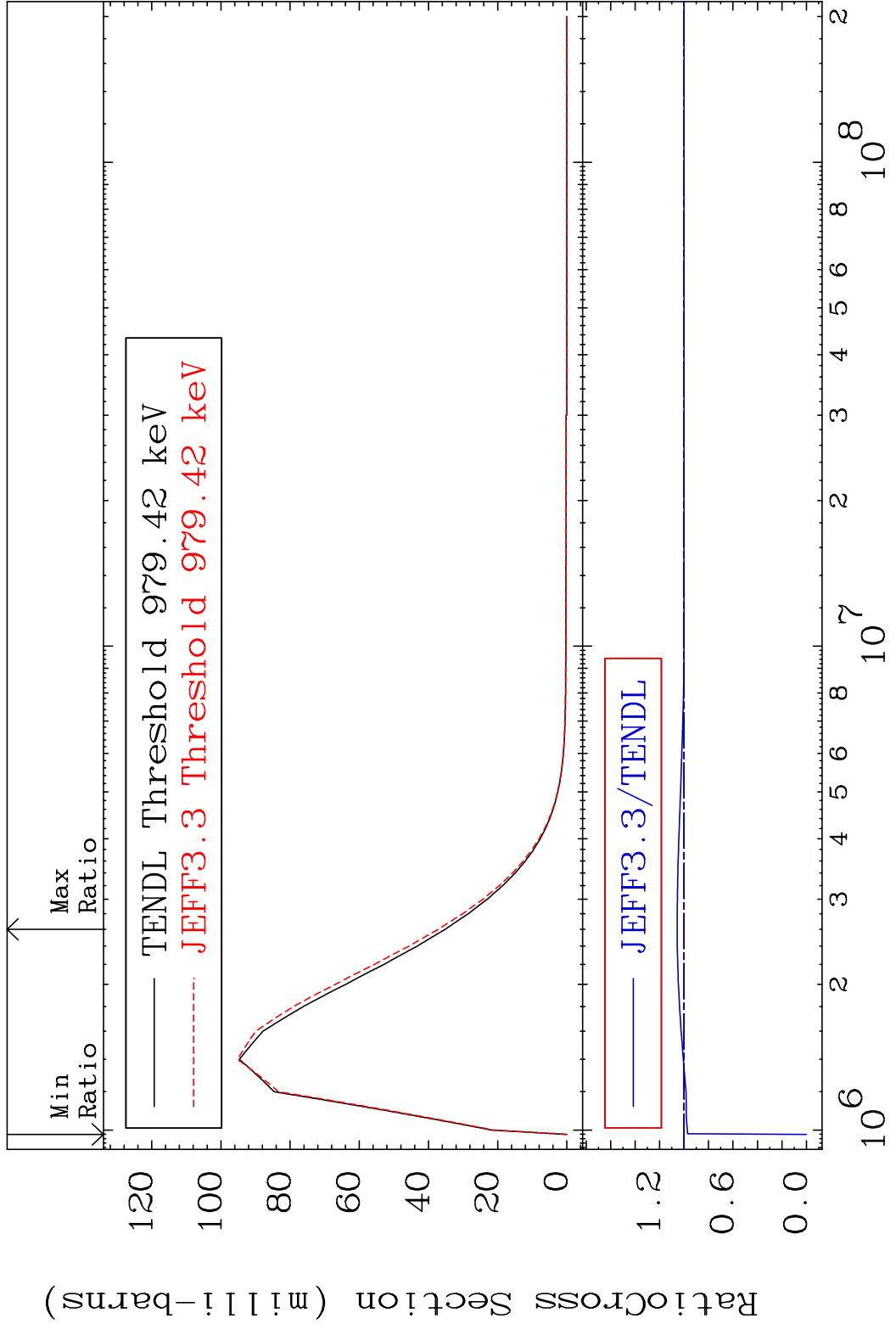


MAT 3534 MT= 71 (n, n') Level 35-Br-82
 Cross Section -100.0 To 238.2 %

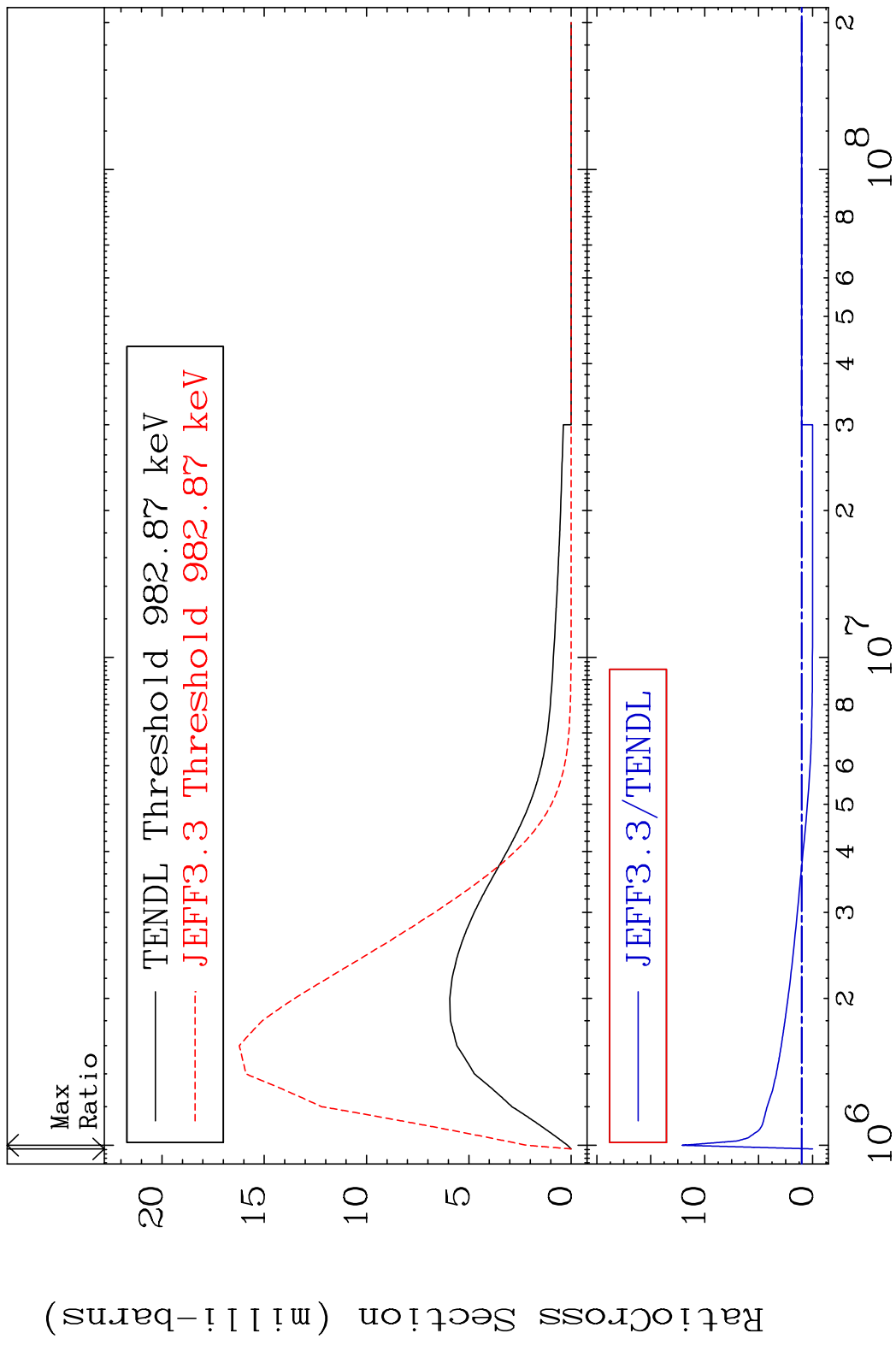


38 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 72 (n, n') Level 35-Br-82
 Cross Section -100.0 To 5.616 %

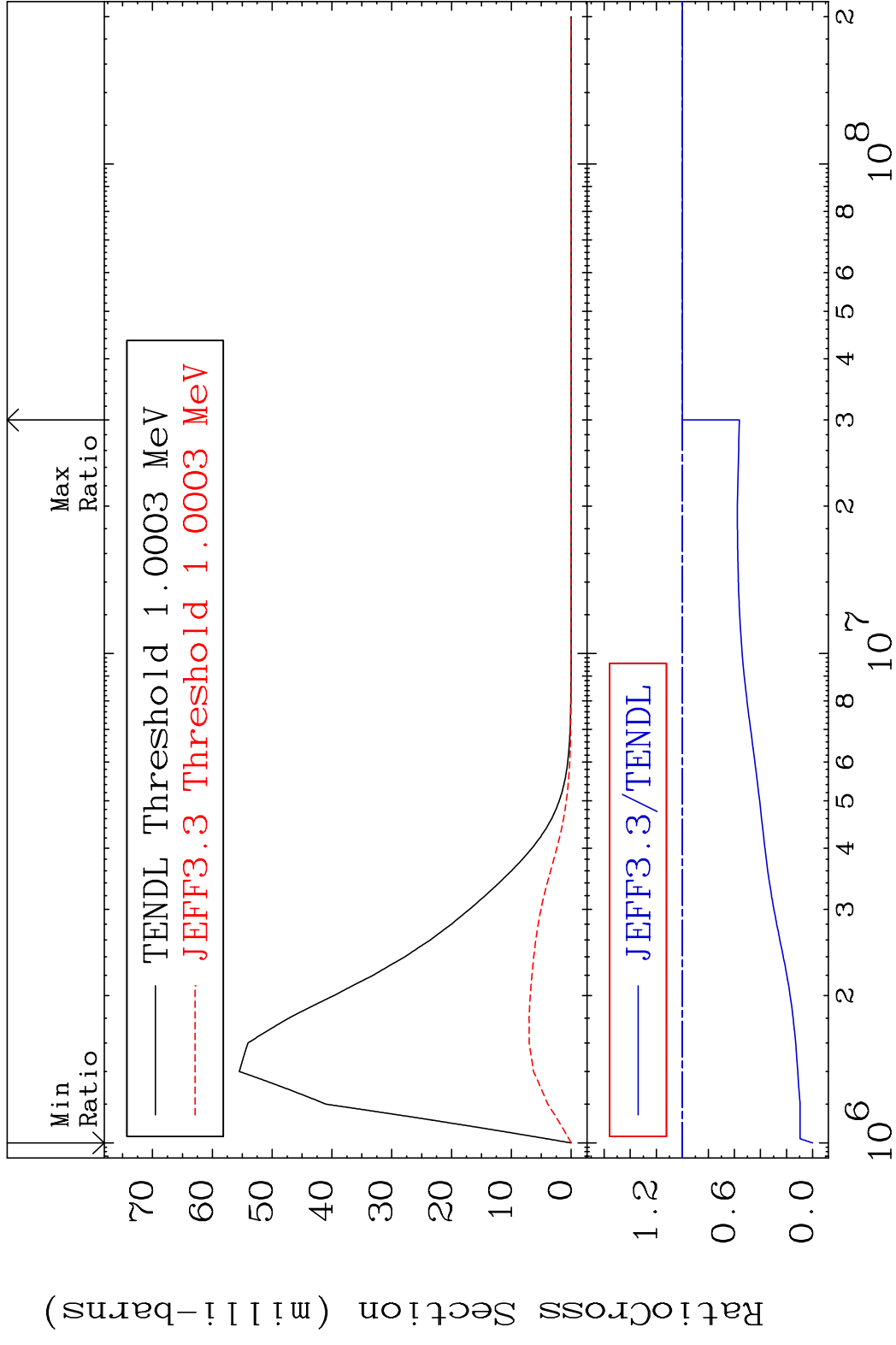


MAT 3534 MT= 73 (n, n') Level 35-Br-82
 Cross Section -100.0 To 1107. %

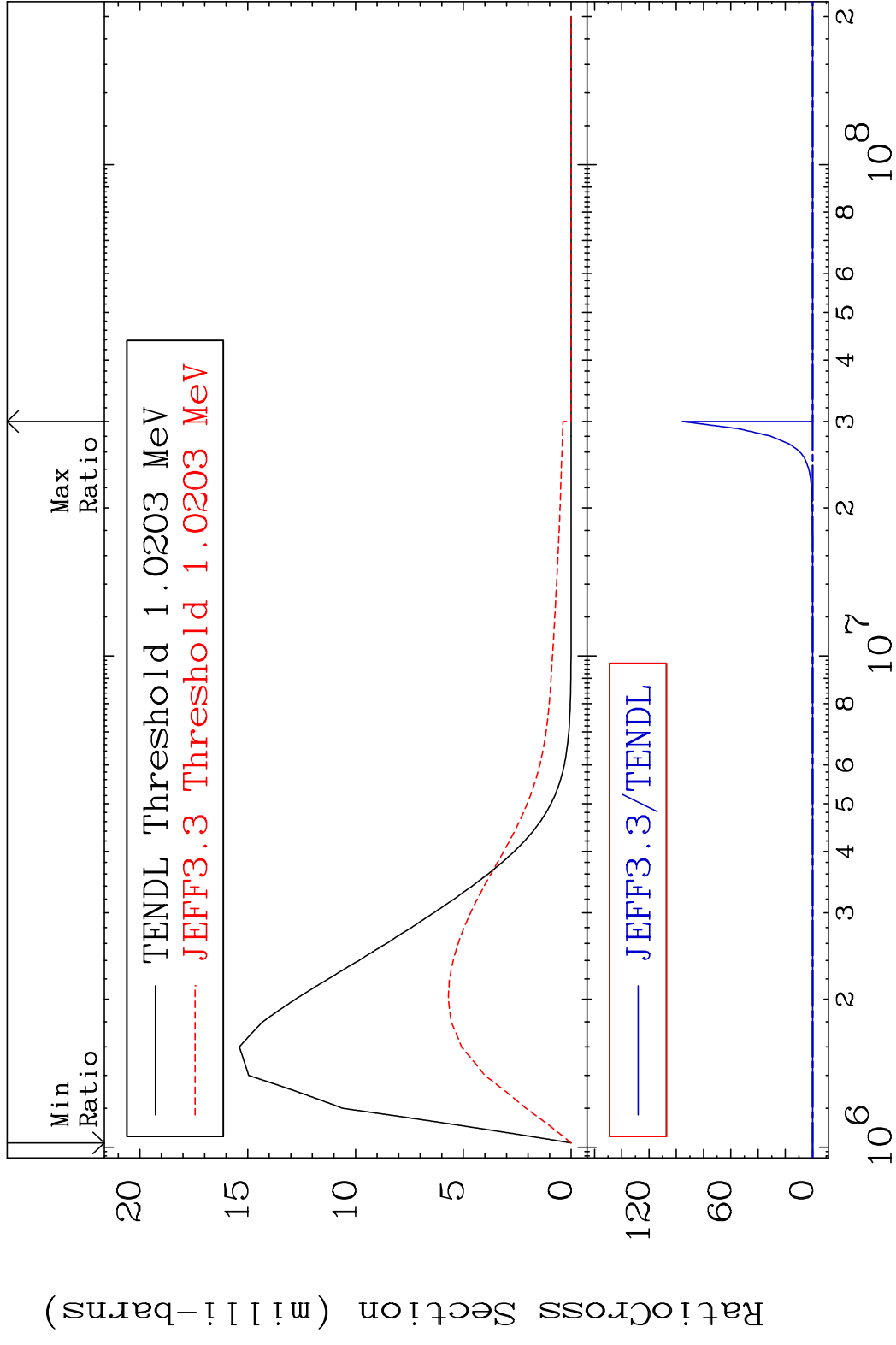


40 2 3 4 5 6 8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 35-Br-82

MAT 3534 MT= 74 (n,n') Level 35-Br-82
 Cross Section -100.0 To 0.000 %

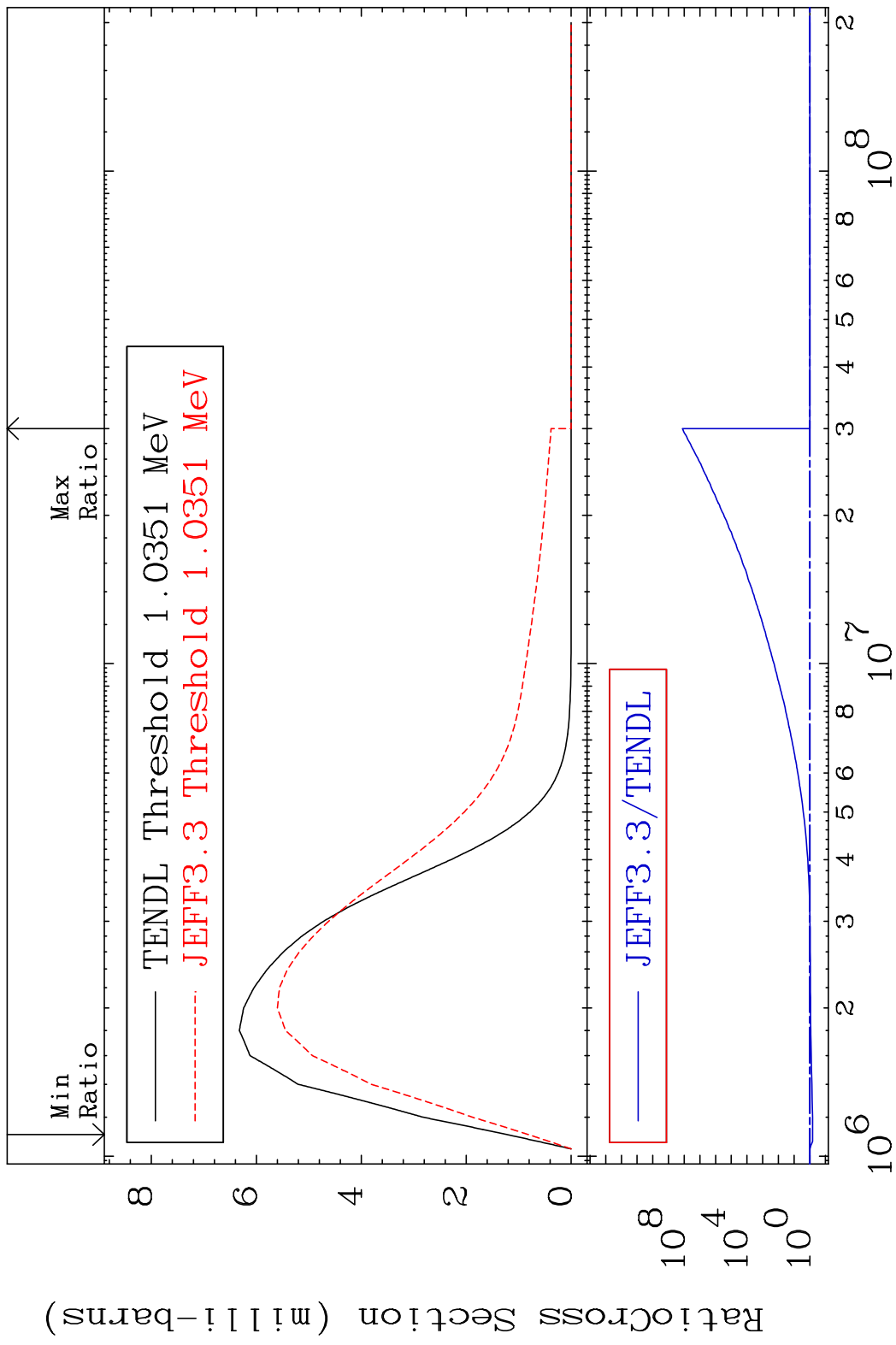


MAT 3534 MT= 75 (n, n') Level 35-Br-82
 Cross Section -100.0 To 9999. %



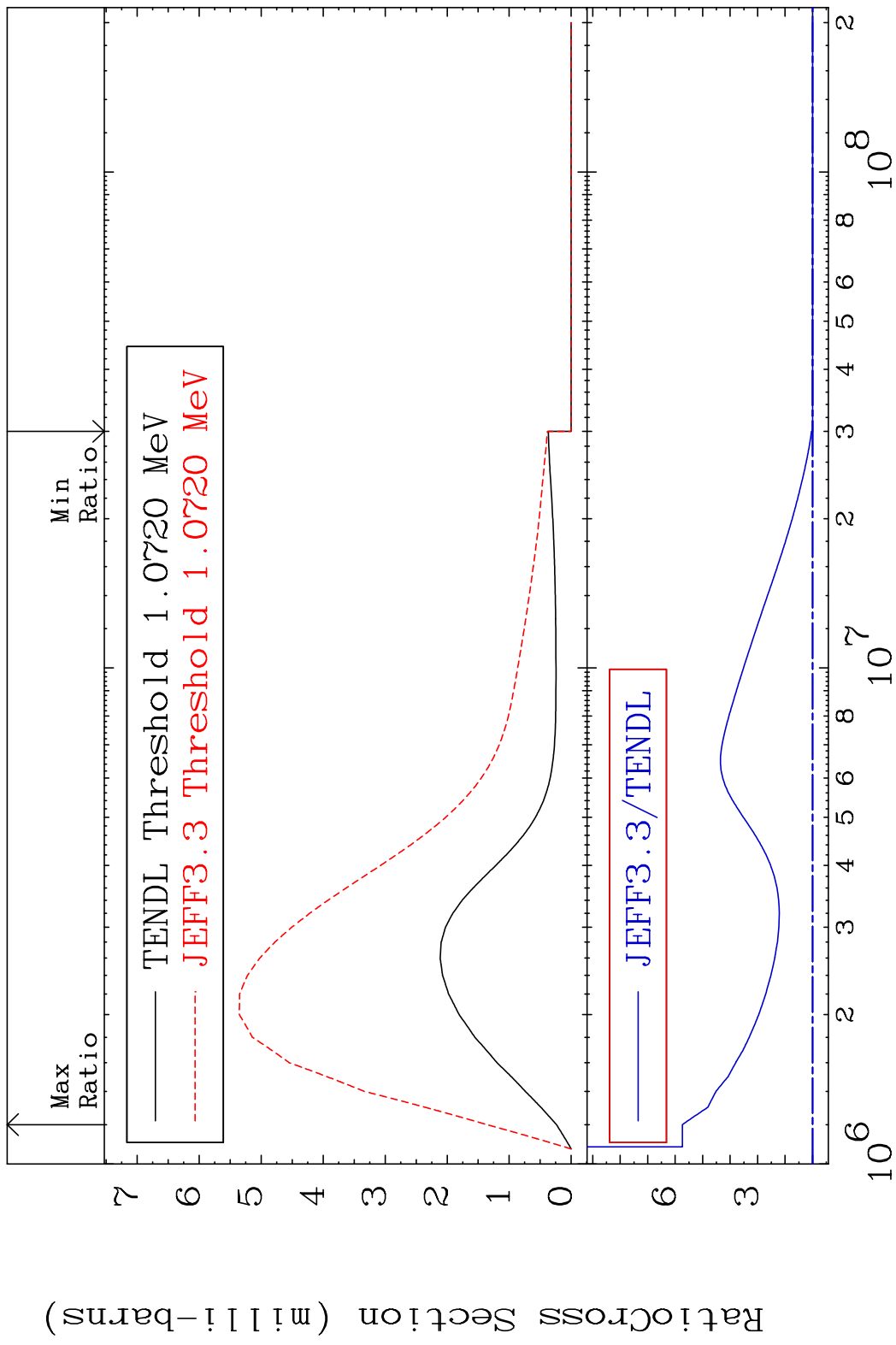
42 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 76 (n, n') Level 35-Br-82
 Cross Section -33.37 To 9999. %



43 Incident Energy (eV) 35-Br-82

MAT 3534 MT= 77 (n,n') Level 35-Br-82
 Cross Section 0.000 To 473.9 %



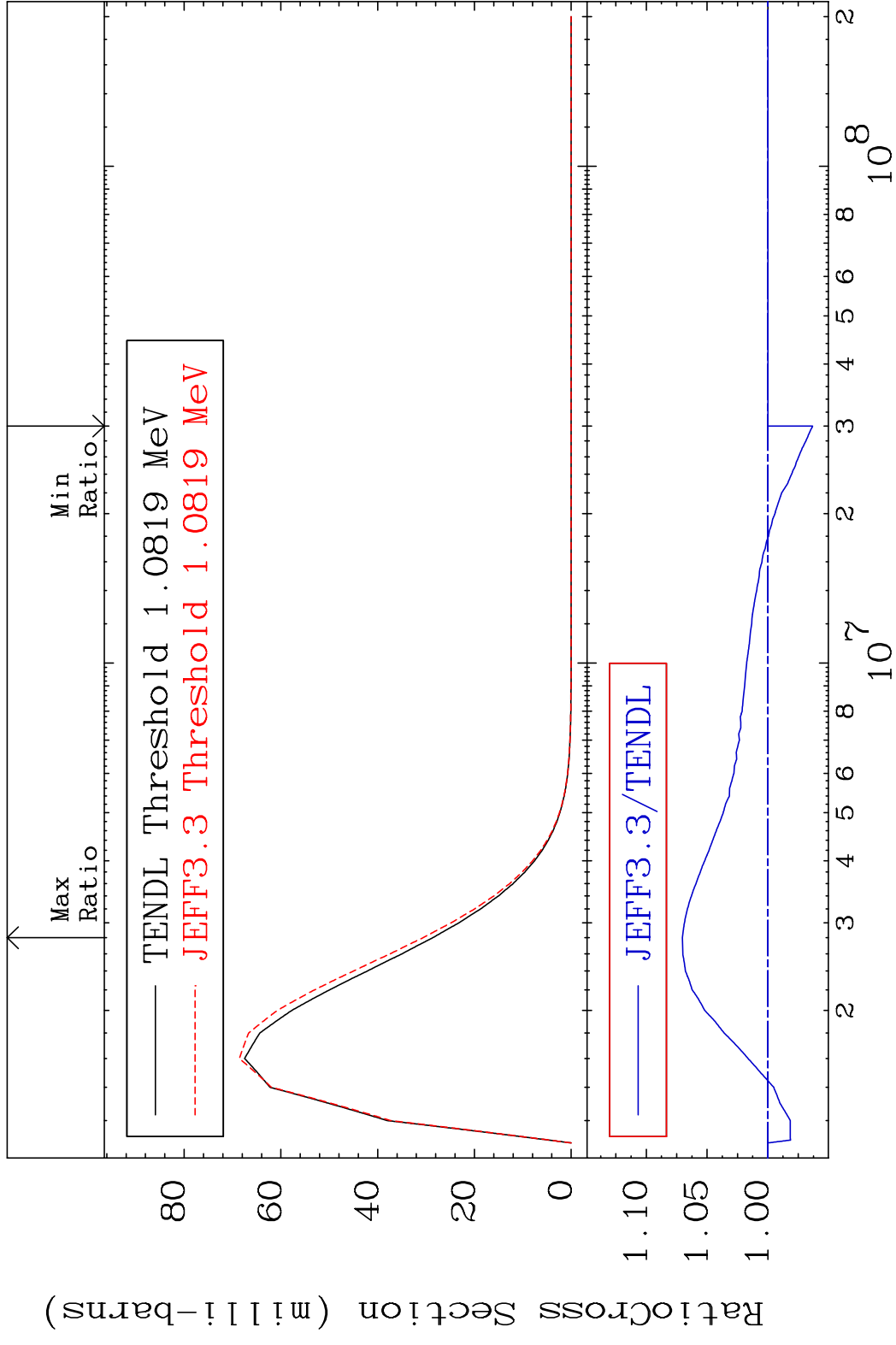
44 Incident Energy (eV) 35-Br-82

MAT 3534

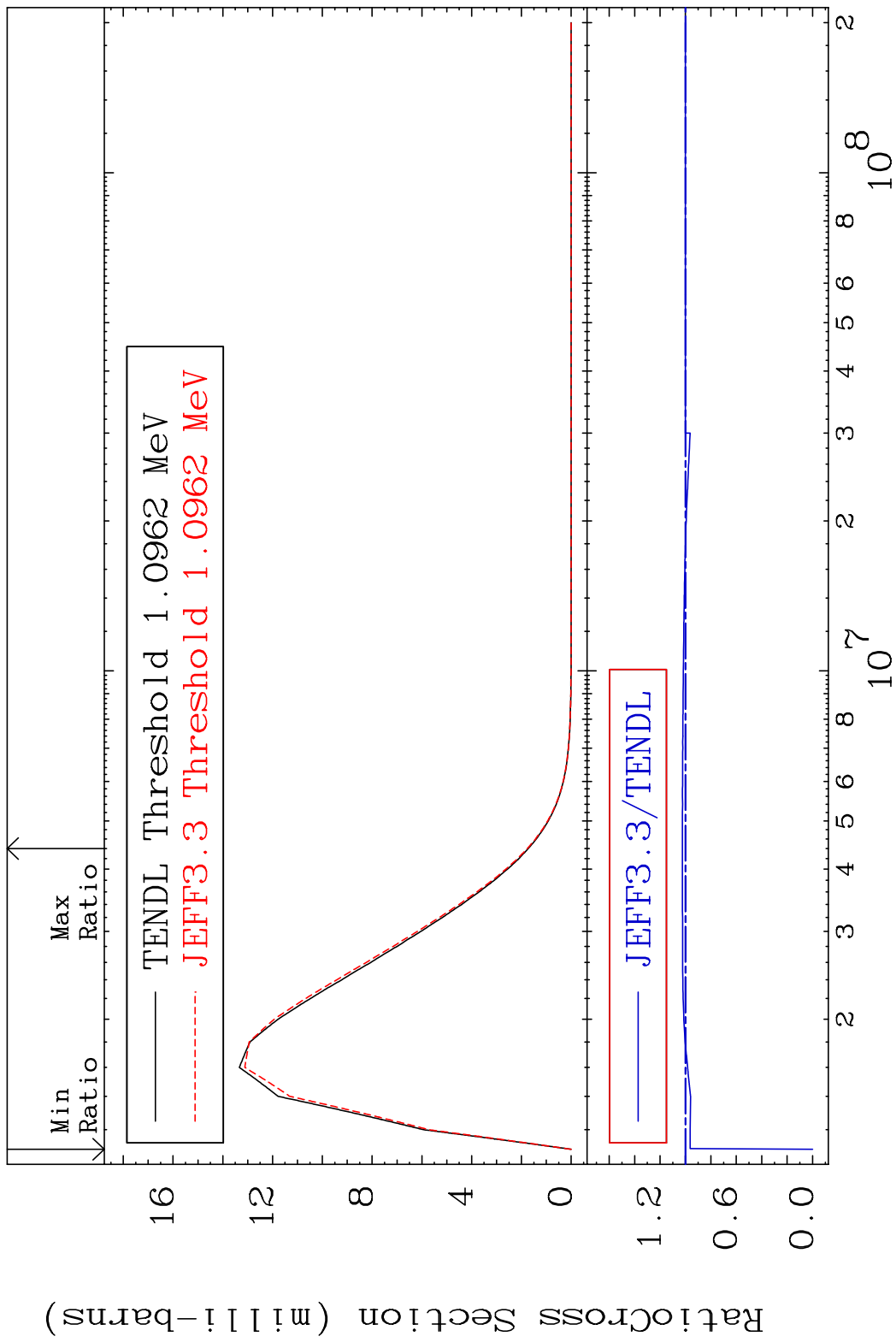
MT= 78 (n, n') Level

35-Br-82

Cross Section -3.675 To 7.032 %



MAT 3534 MT= 79 (n, n') Level 35-Br-82
 Cross Section -100.0 To 2.446 %

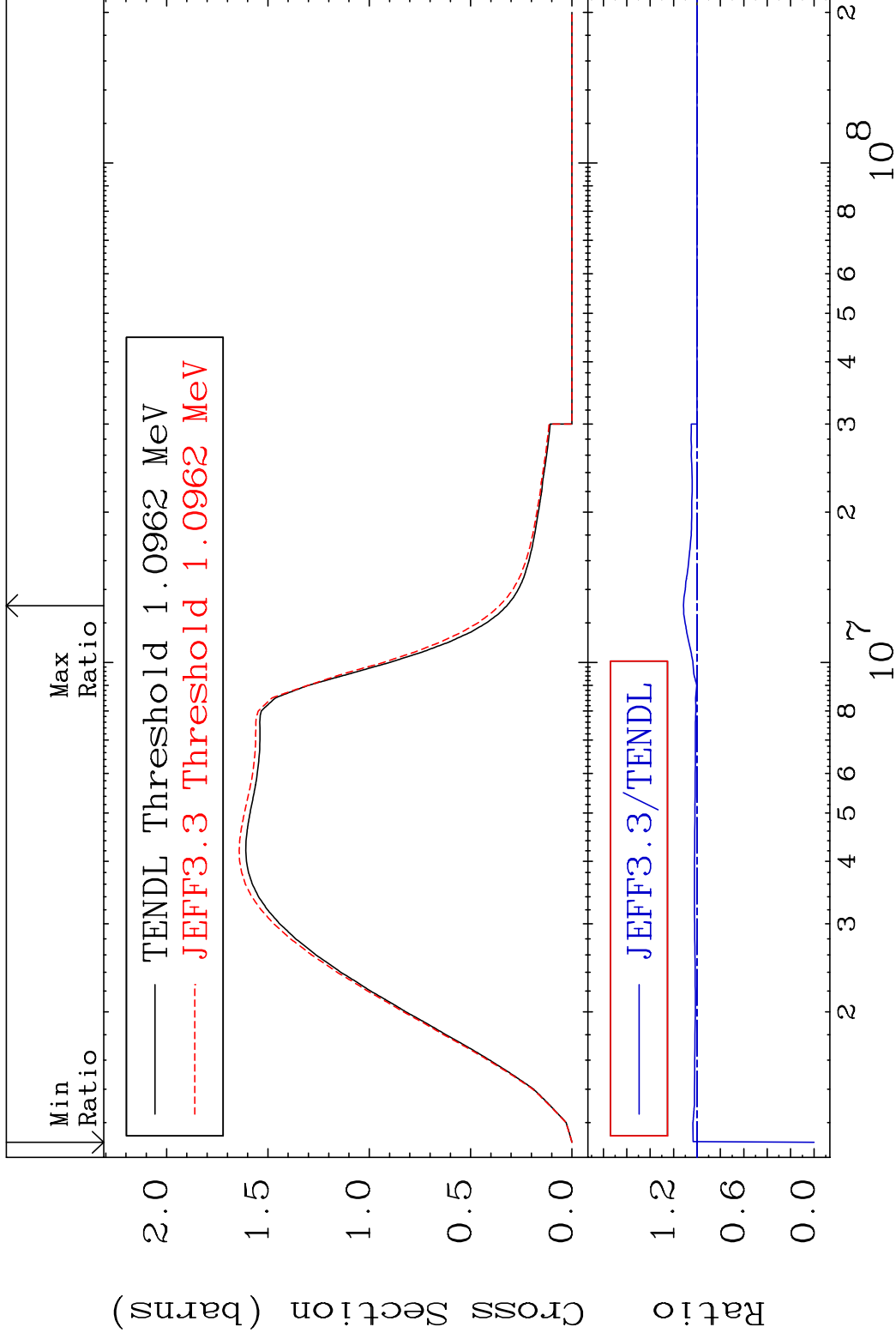


MAT 3534

(n, n') Continuum

³⁵Br-82

Cross Section -100.0 To 11.56 %



47

Incident Energy (eV)

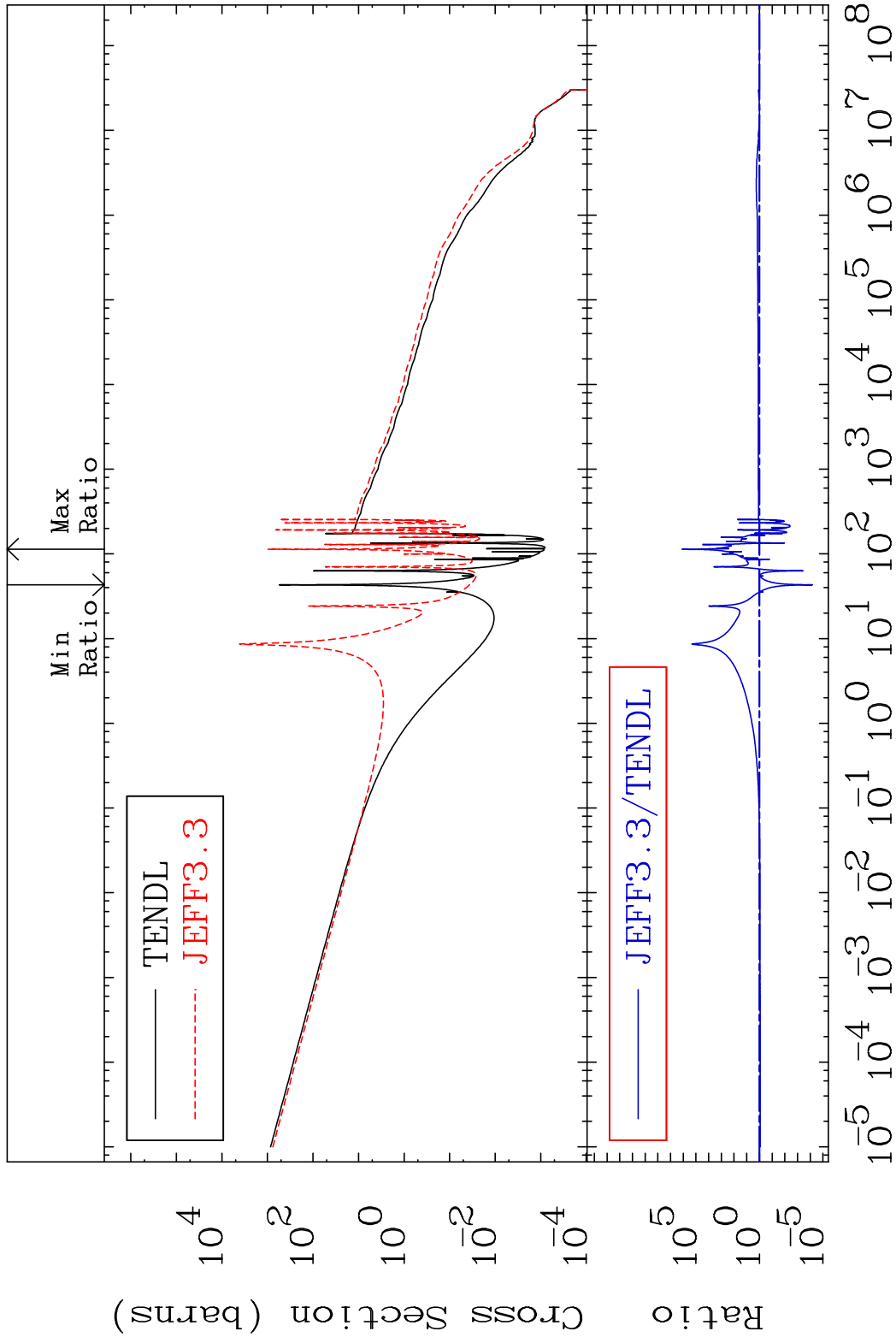
³⁵Br-82

MAT 3534

(n, γ)

35-Br-82

Cross Section -99.99 To 9999. %

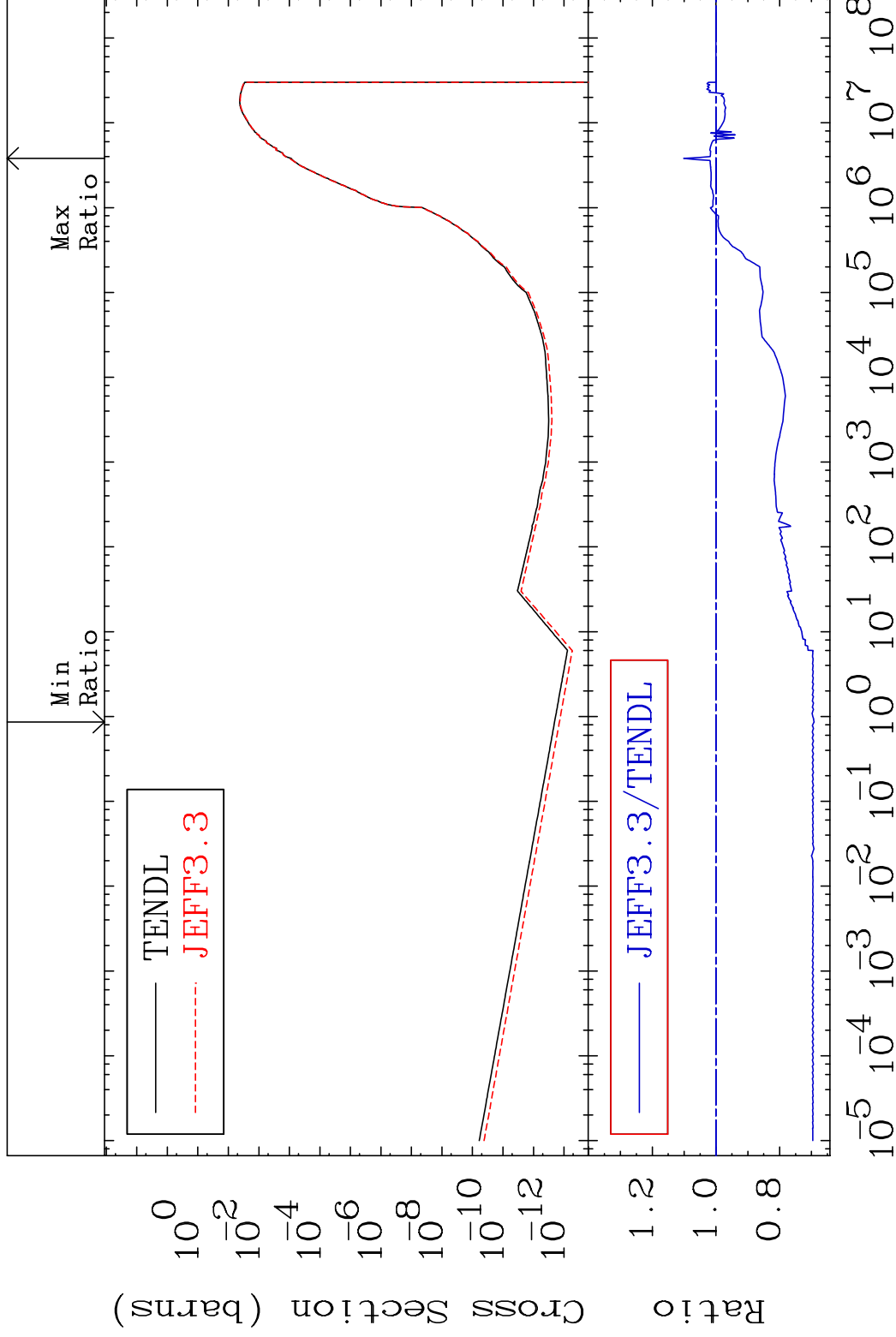


MAT 3534

(n, p)

35-Br-82

Cross Section -30.83 To 10.14 %



49

Incident Energy (eV)

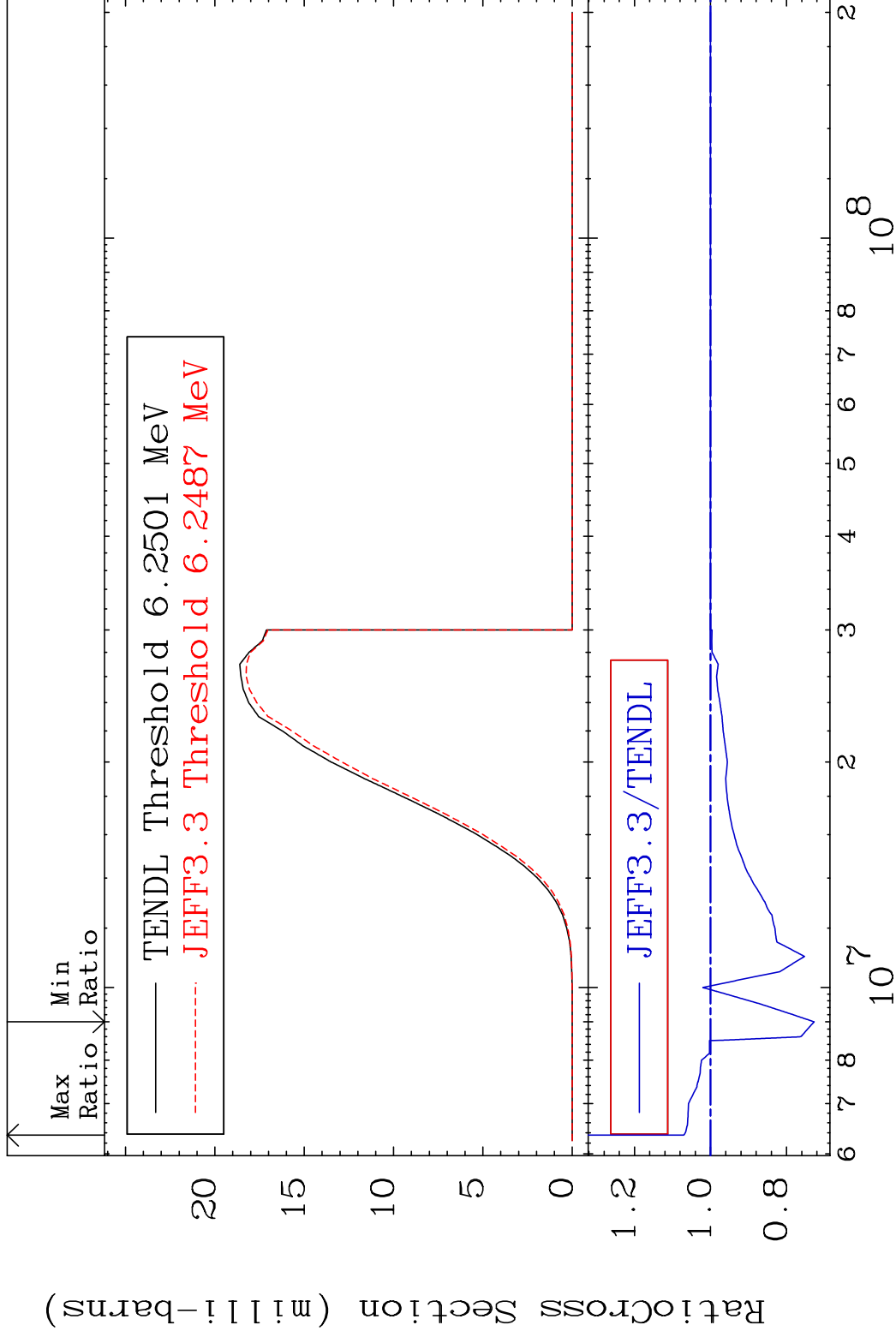
35-Br-82

MAT 3534

(n, d)

35-Br-82

Cross Section -27.26 To 7.073 %



50

Incident Energy (eV)

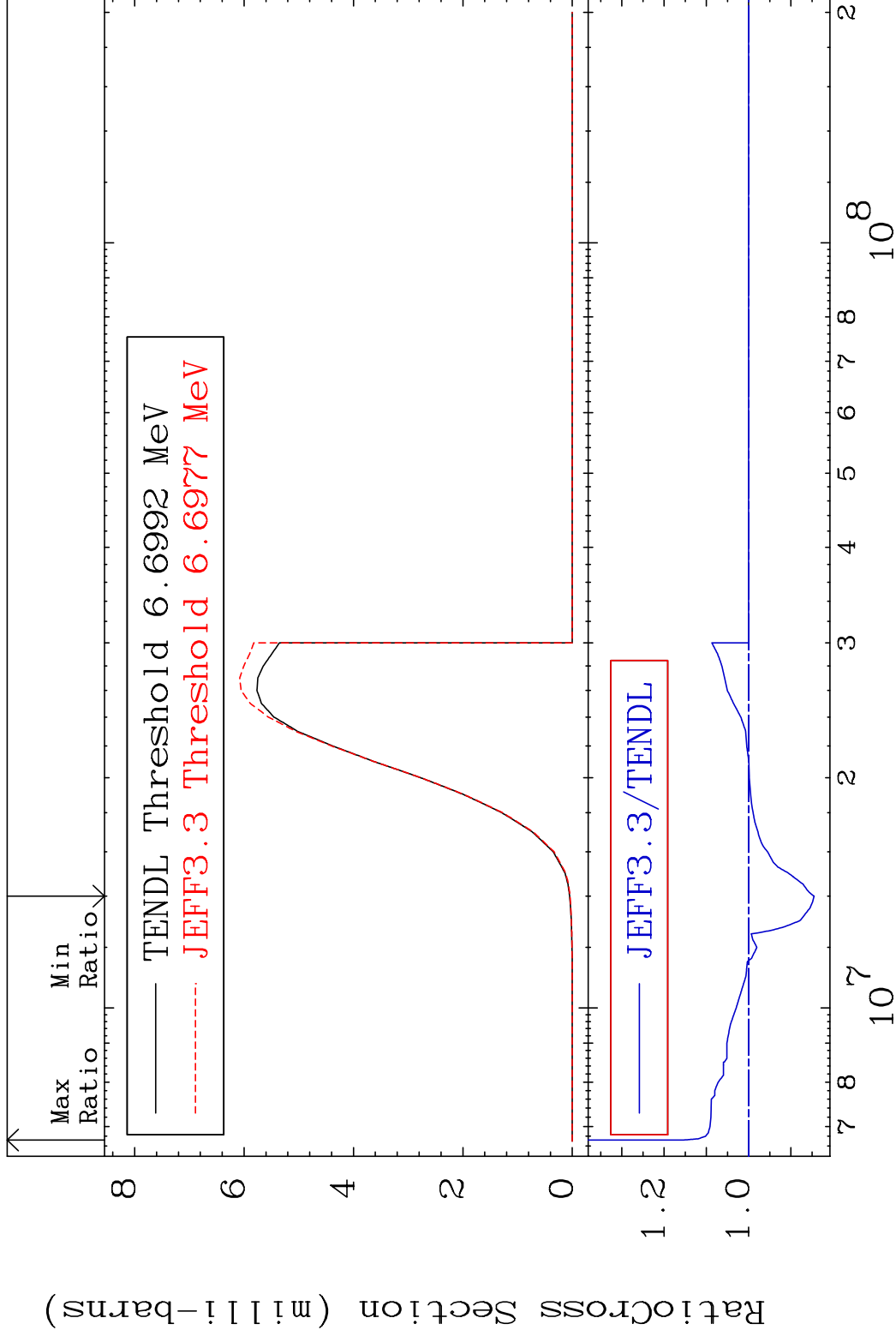
35-Br-82

MAT 3534

(n, t)

35-Br-82

Cross Section -15.48 To 15.38 %



51

Incident Energy (eV)

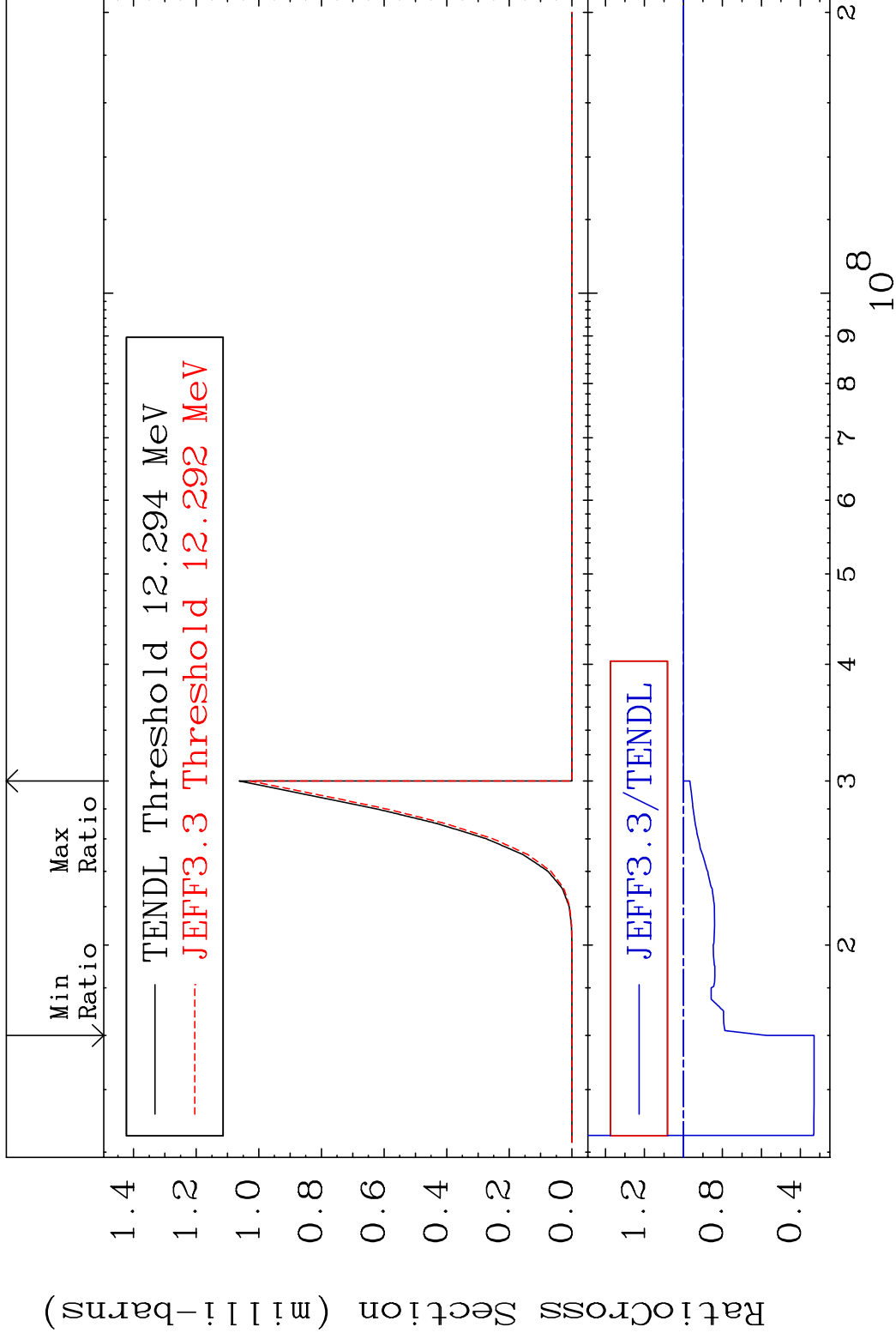
35-Br-82

MAT 3534

(n, He-3)

35-Br-82

Cross Section -66.99 To 0.000 %



52

Incident Energy (eV)

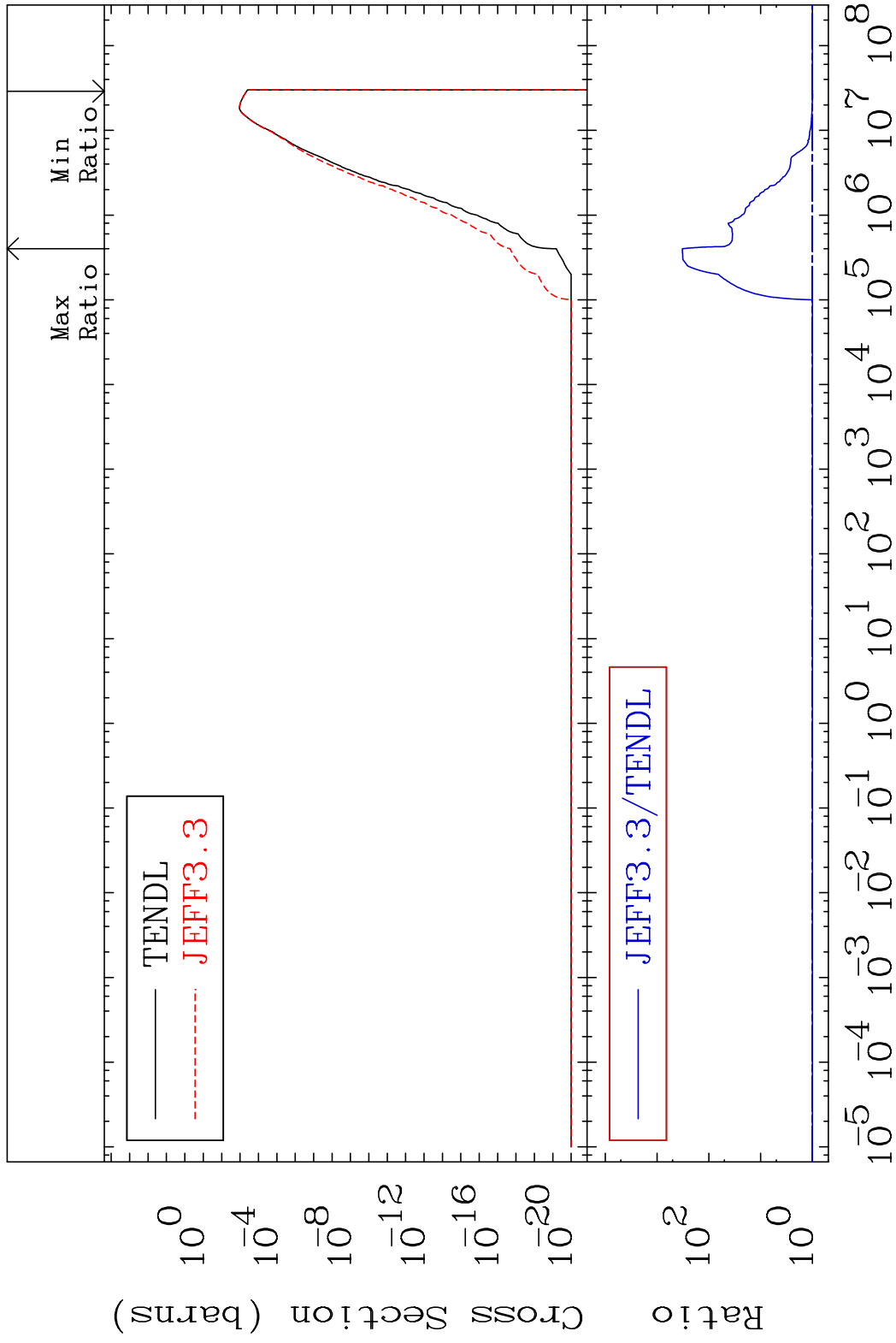
35-Br-82

MAT 3534

(n, α)

35-Br-82

Cross Section -0.478 To 9999. %



53

Incident Energy (eV)

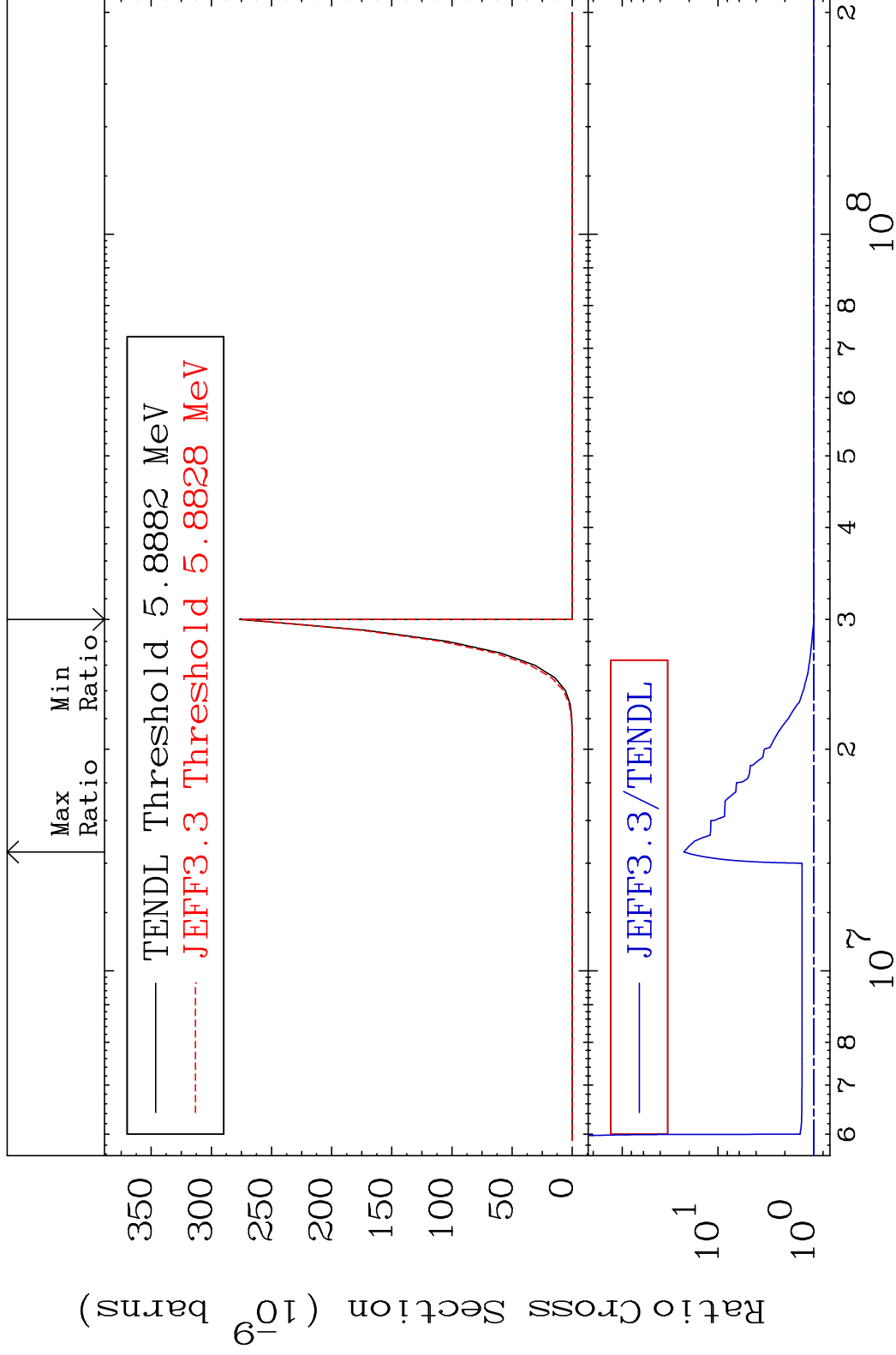
35-Br-82

MAT 3534

(n,2α)

35-Br-82

Cross Section -0.784 To 2180. %



54

Incident Energy (eV)

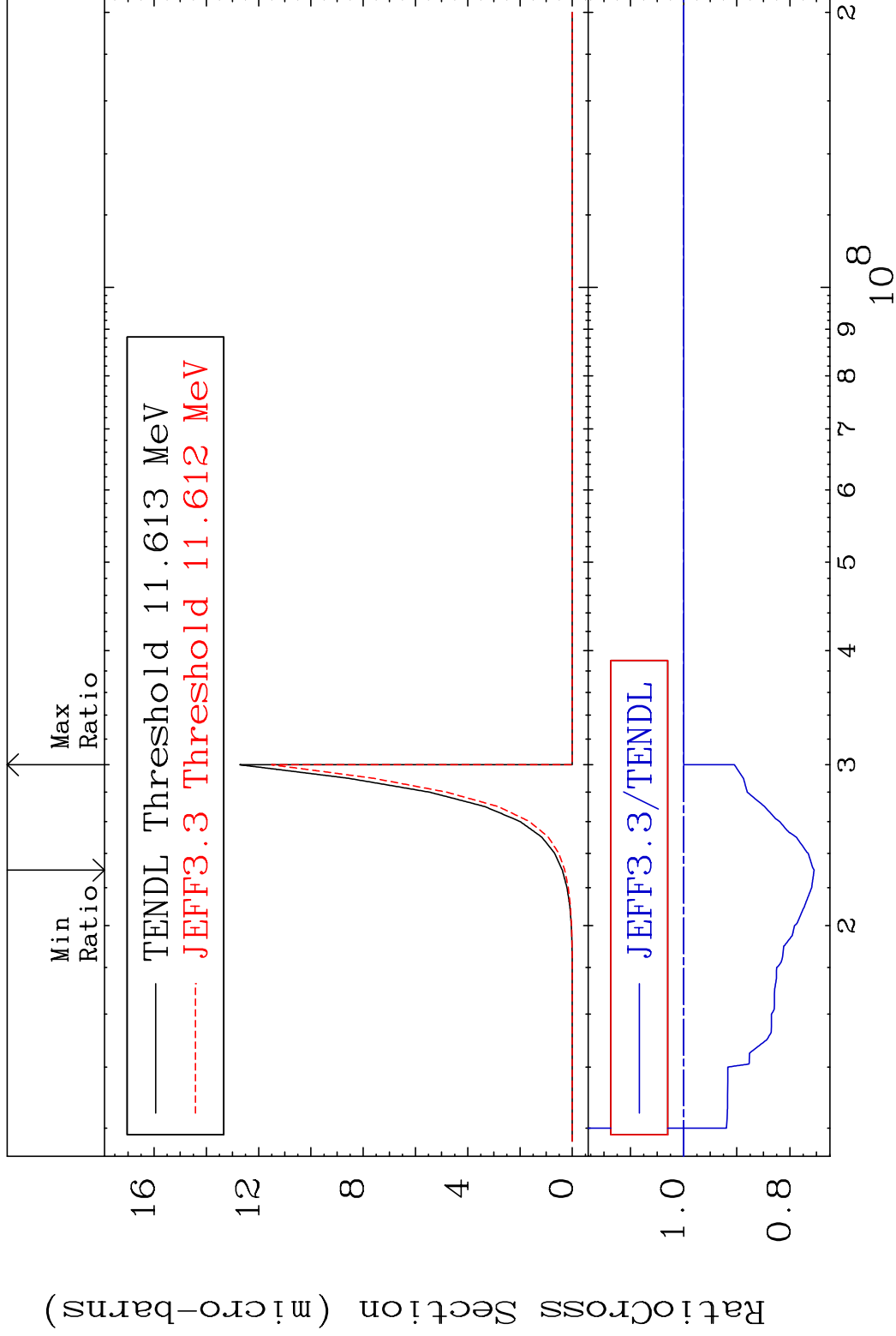
35-Br-82

MAT 3534

(n,2p)

35-Br-82

Cross Section -24.55 To 0.000 %



55

Incident Energy (eV)

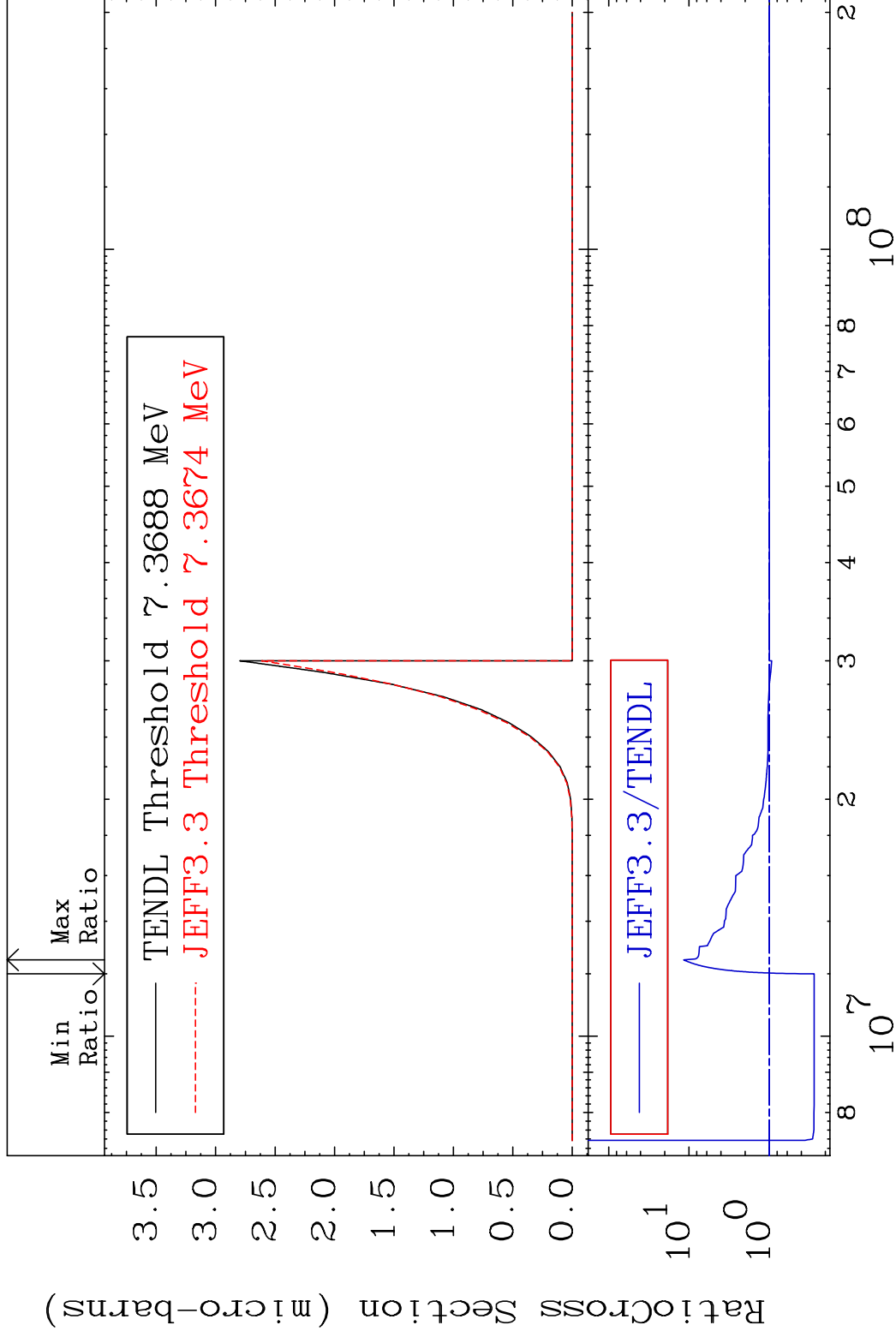
35-Br-82

MAT 3534

(n,p) α

35-Br-82

Cross Section -72.31 To 1065. %



56

Incident Energy (eV)

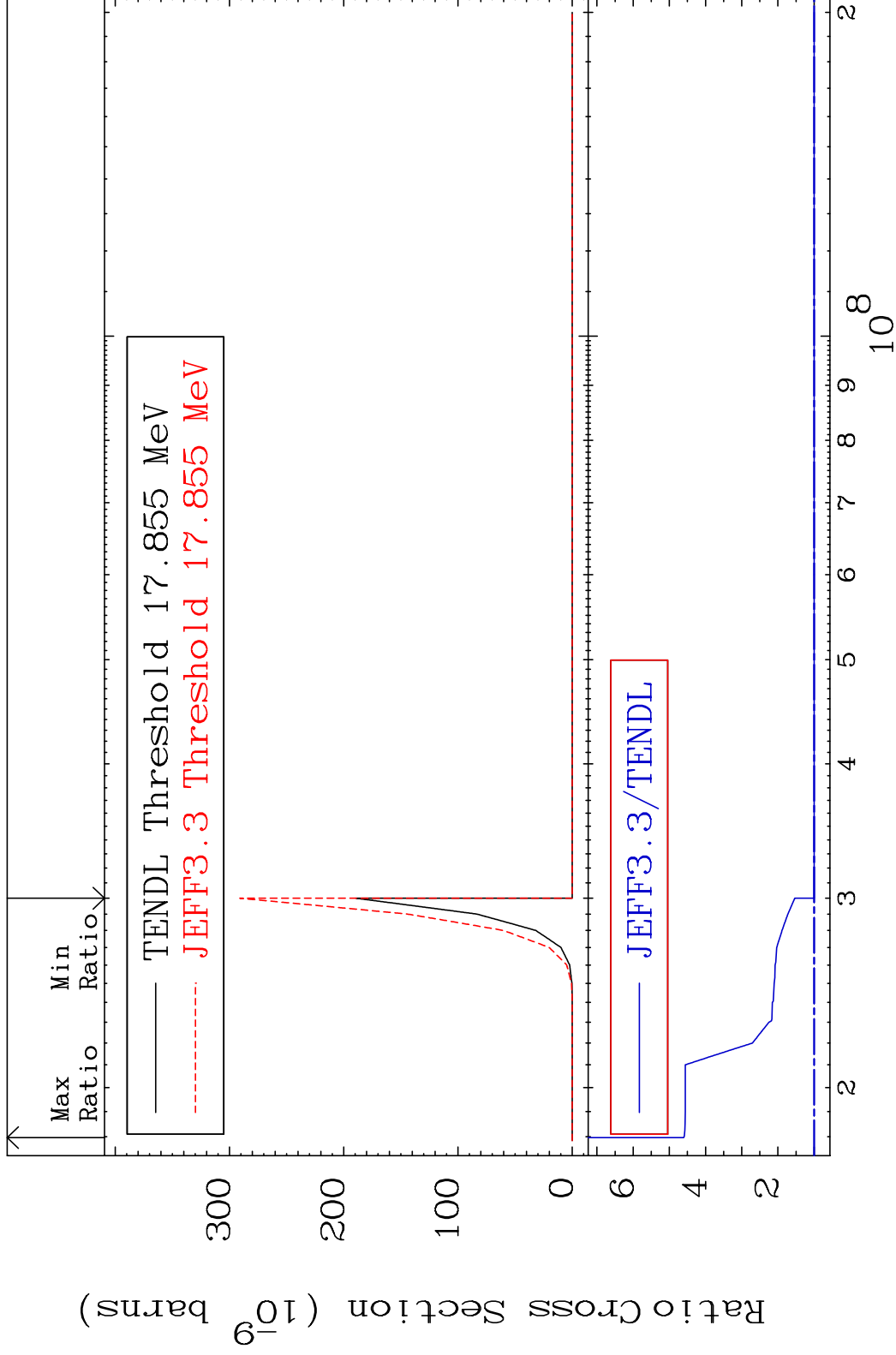
35-Br-82

MAT 3534

(n,p) d

35-Br-82

Cross Section 0.000 To 360.4 %



57

Incident Energy (eV)

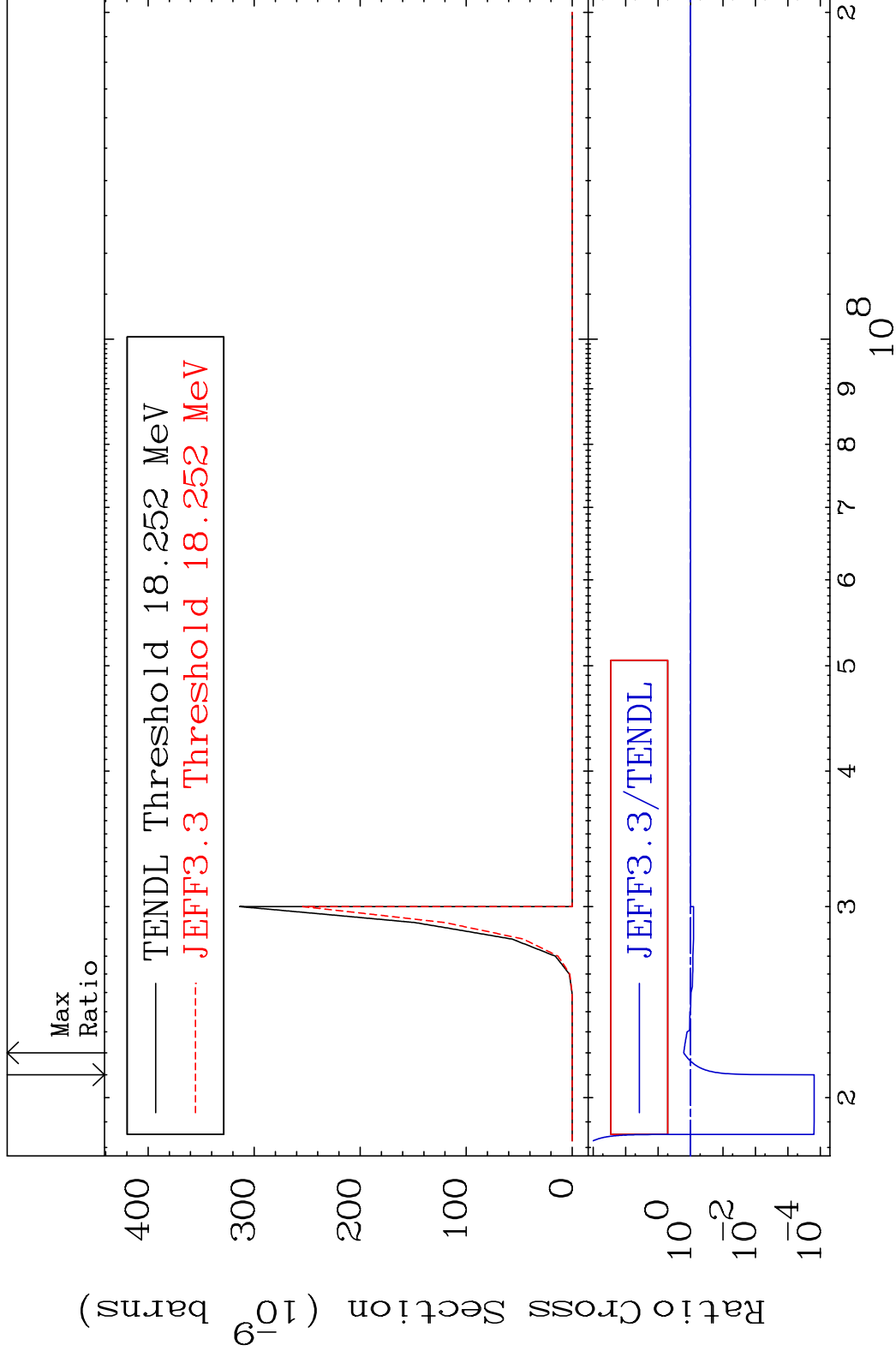
35-Br-82

MAT 3534

(n,p) t

35-Br-82

Cross Section -99.98 To 62.22 %



58

Incident Energy (eV)

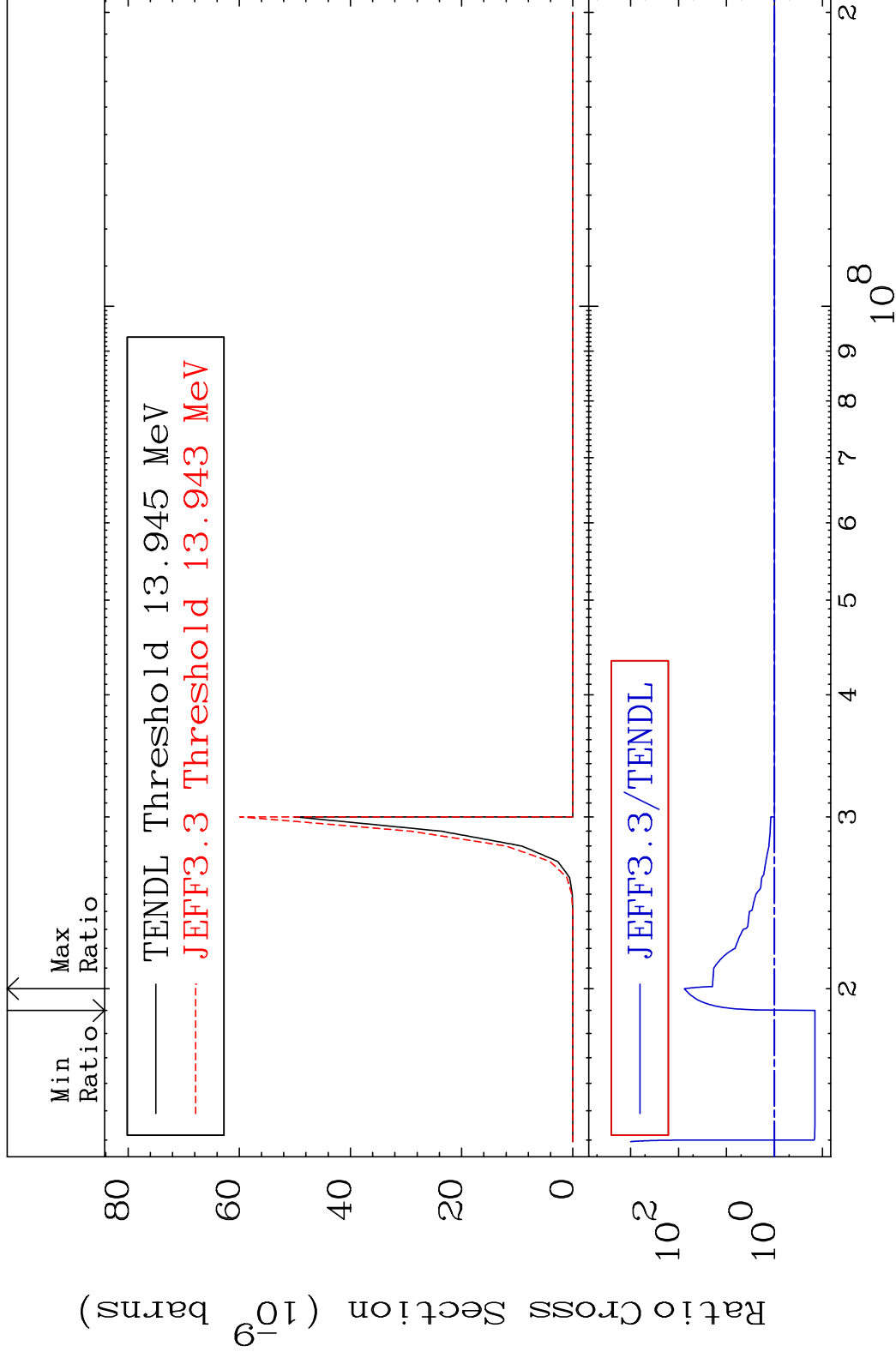
35-Br-82

MAT 3534

(n,d) α

35-Br-82

Cross Section -85.55 To 7479. %

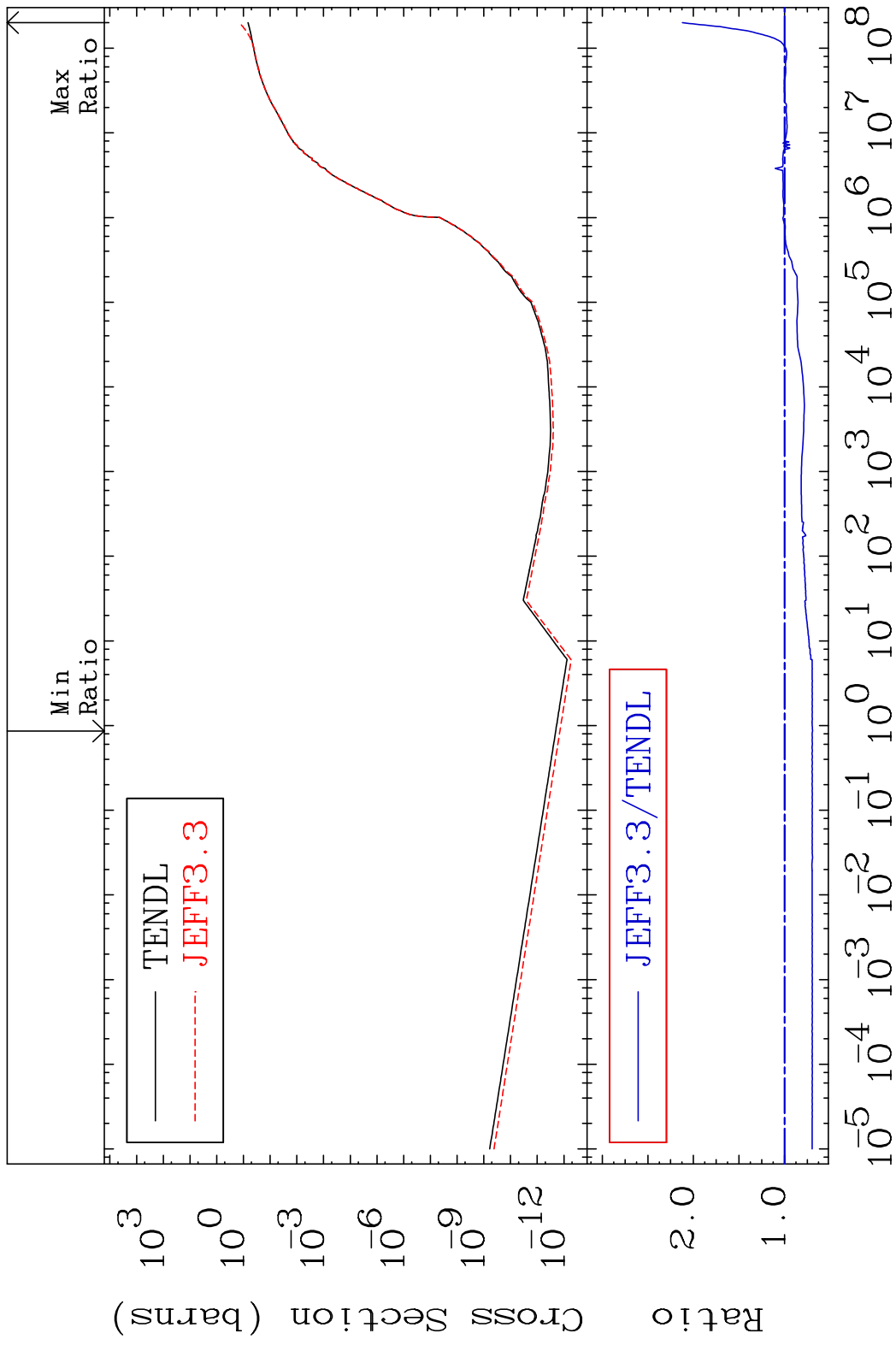


59

Incident Energy (eV)

35-Br-82

MAT 3534 Hydrogen Production 35-Br-82
Cross Section -30.83 To 112.1 %



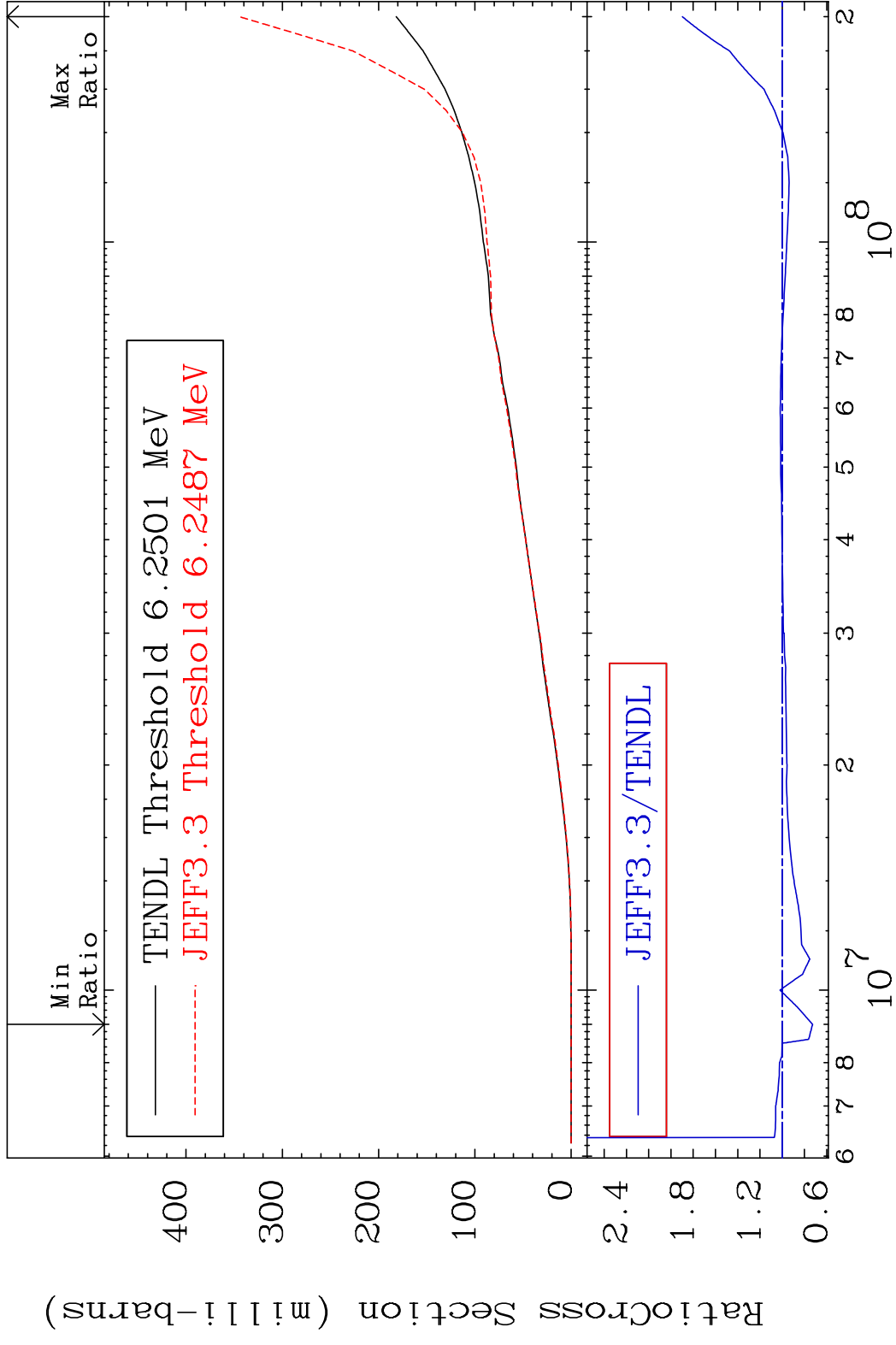
60 Incident Energy (eV) 35-Br-82

MAT 3534

Deuterium Production

35-Br-82

Cross Section -27.26 To 89.75 %



61

Incident Energy (eV)

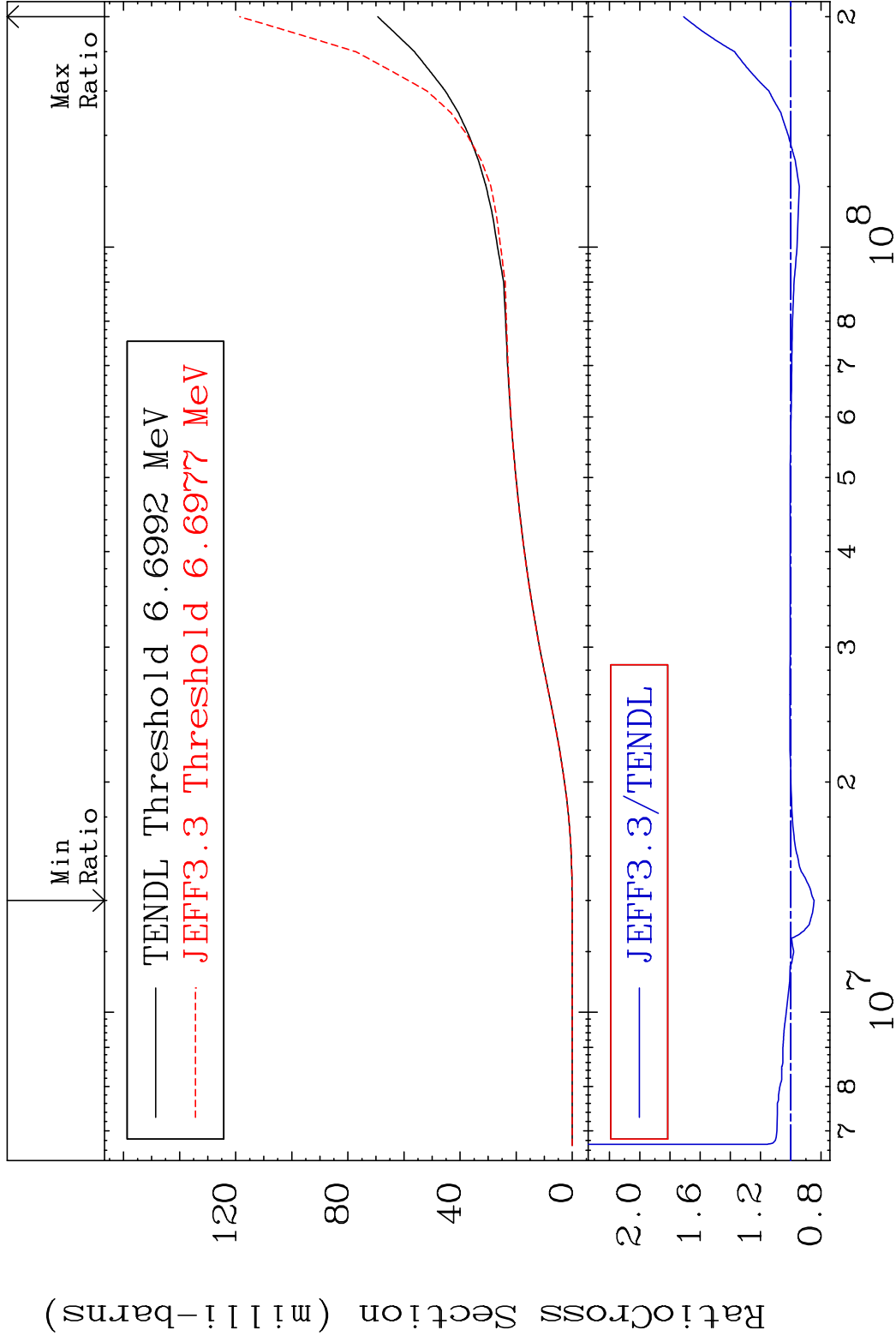
35-Br-82

MAT 3534

Tritium Production

35-Br-82

Cross Section -15.48 To 70.91 %



62

Incident Energy (eV)

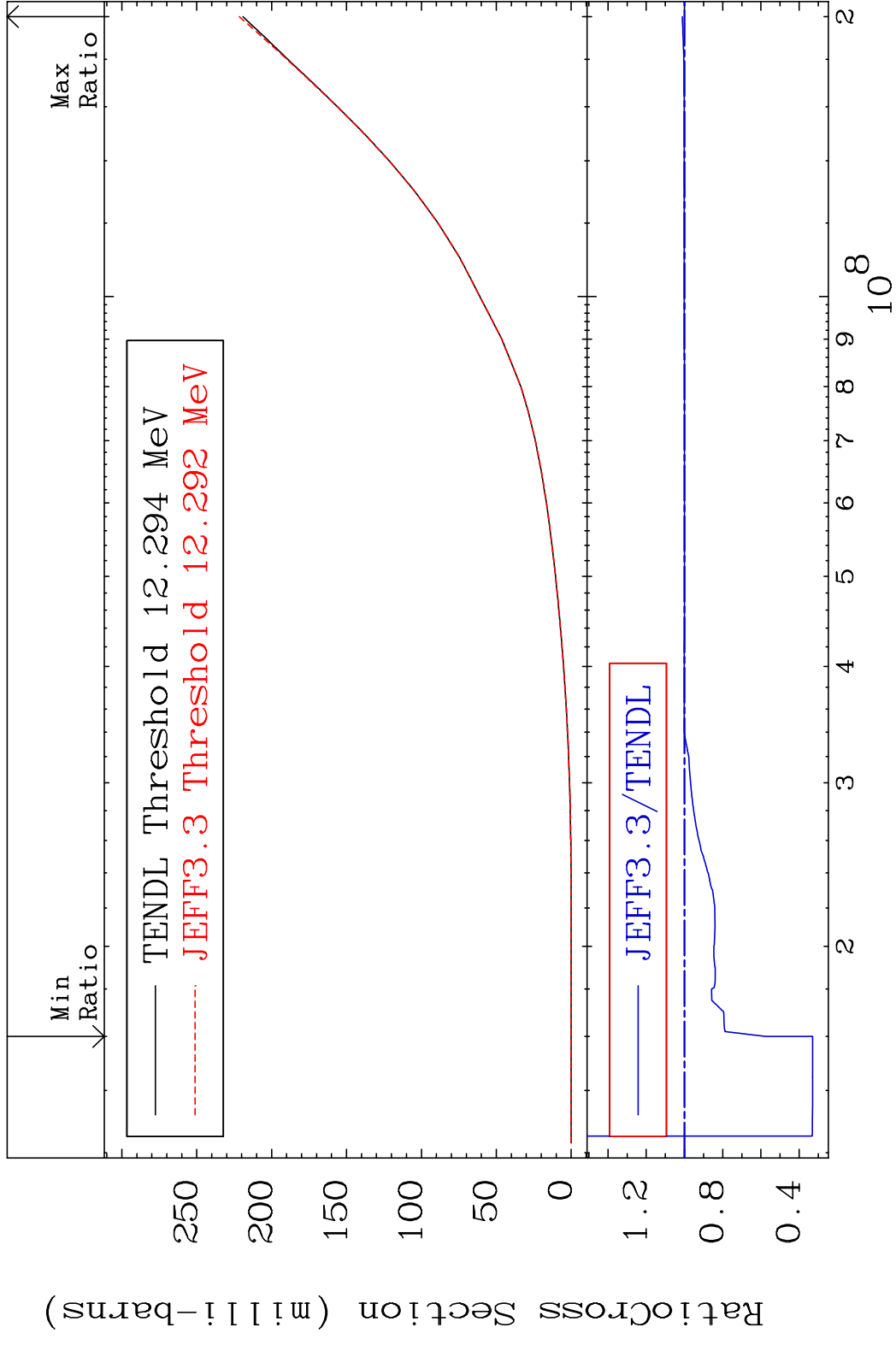
35-Br-82

MAT 3534

He-3 Production

35-Br-82

Cross Section -66.99 To 1.104 %



63

Incident Energy (eV)

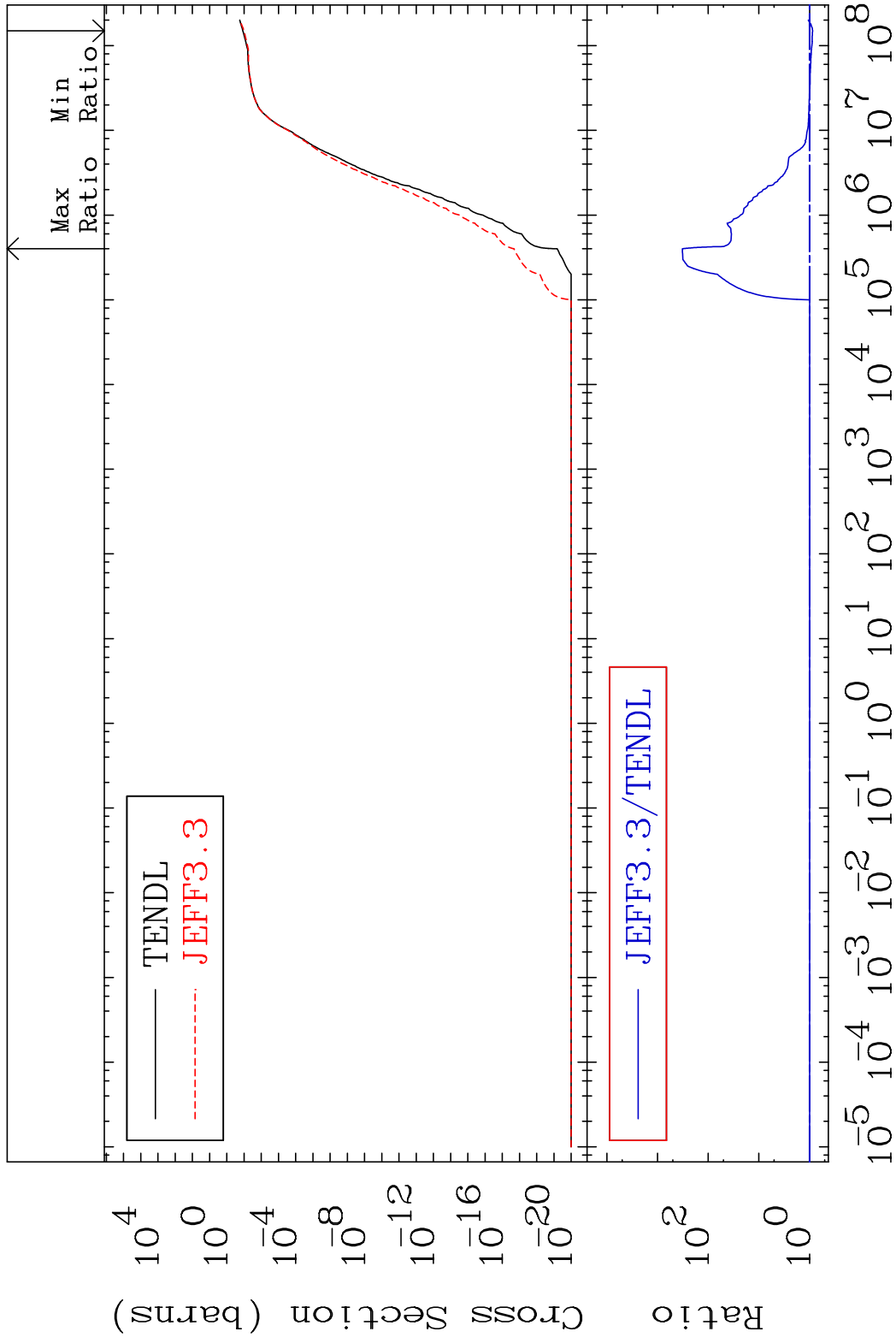
35-Br-82

MAT 3534

He-4 Production

35-Br-82

Cross Section -12.86 To 9999. %

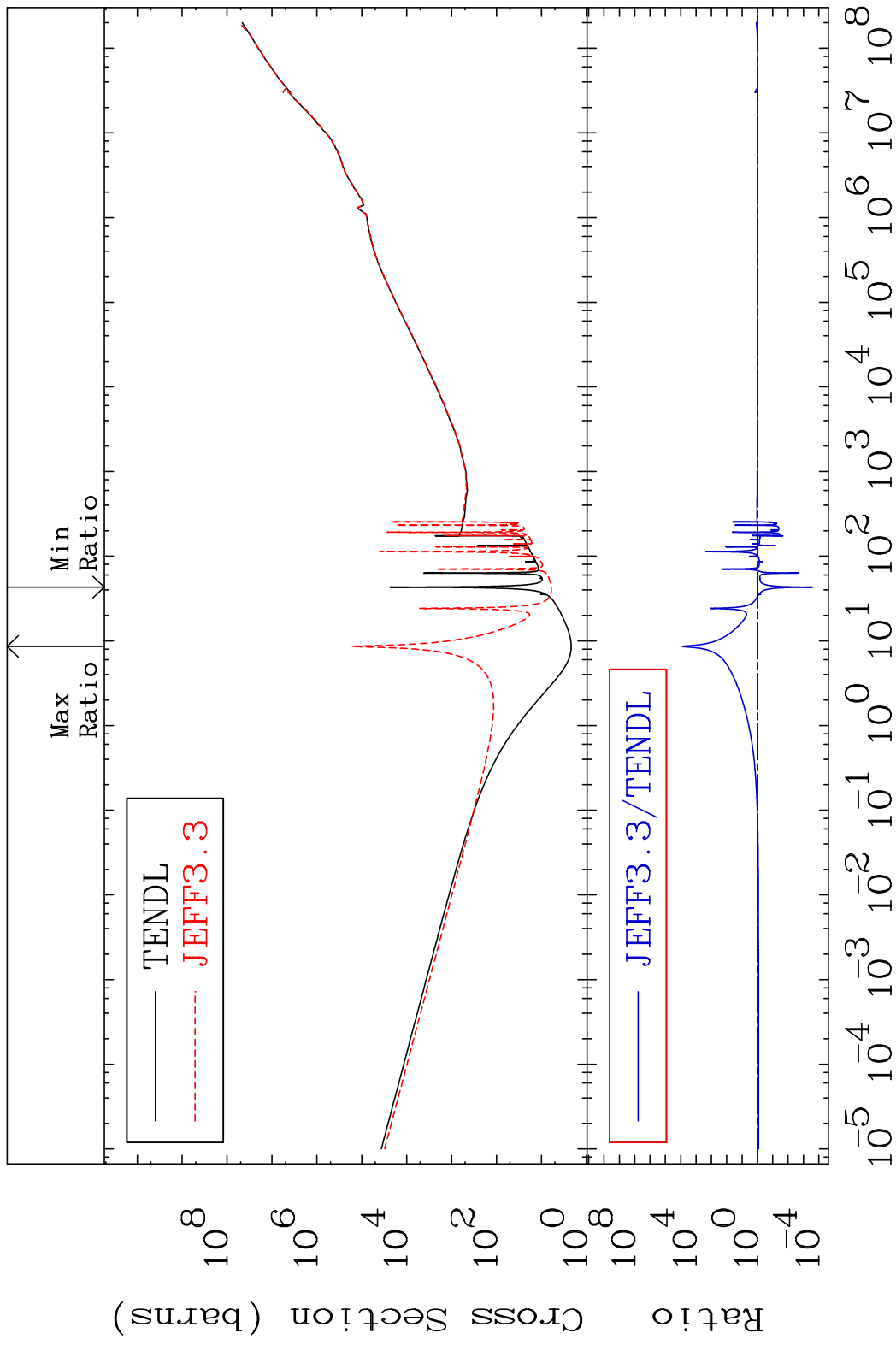


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Incident Energy (eV)

35-Br-82

MAT 3534 Kerma total (eV-barns) 35-Br-82
 Cross Section -99.97 To 9999. %

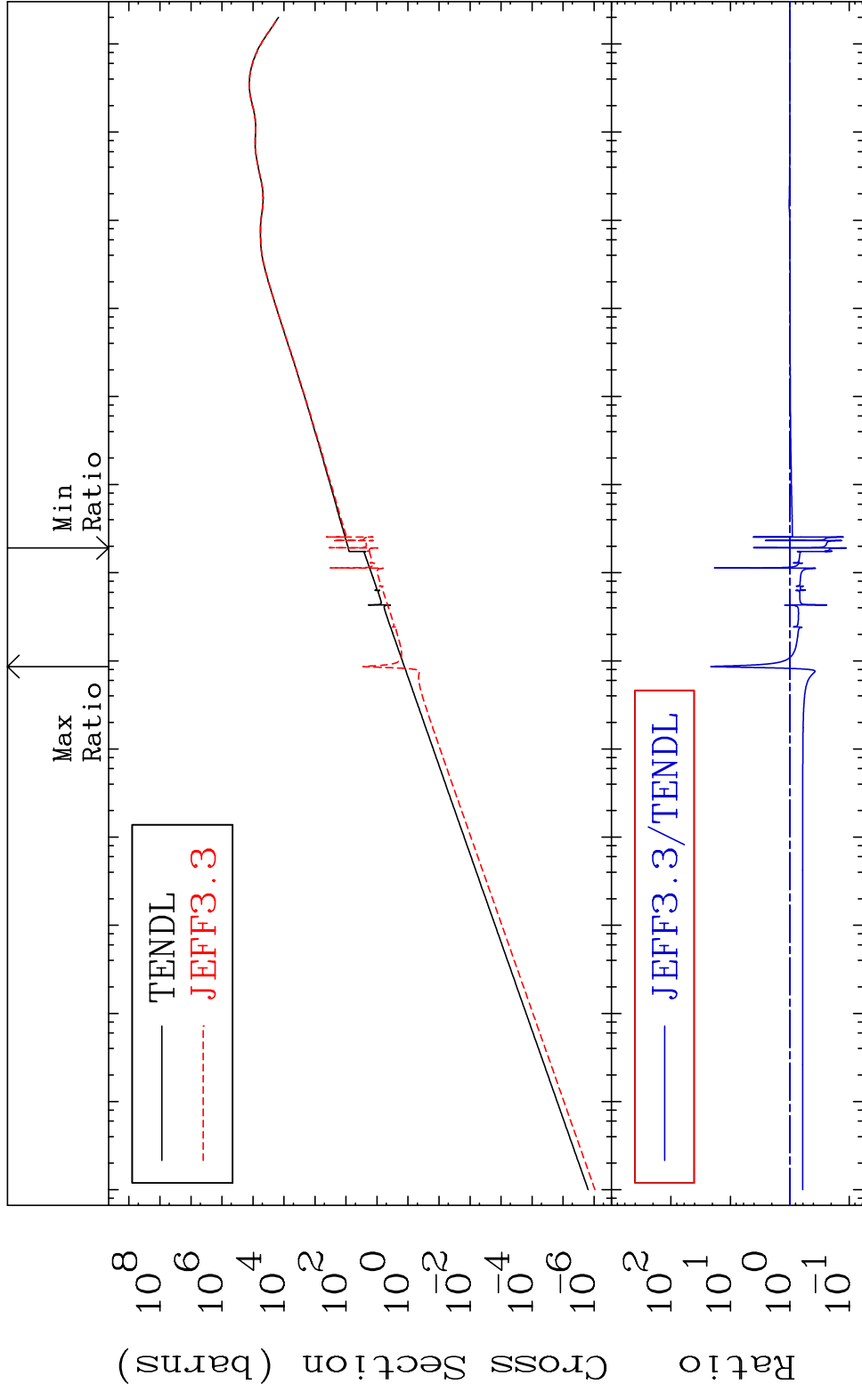


65 Incident Energy (eV) 35-Br-82

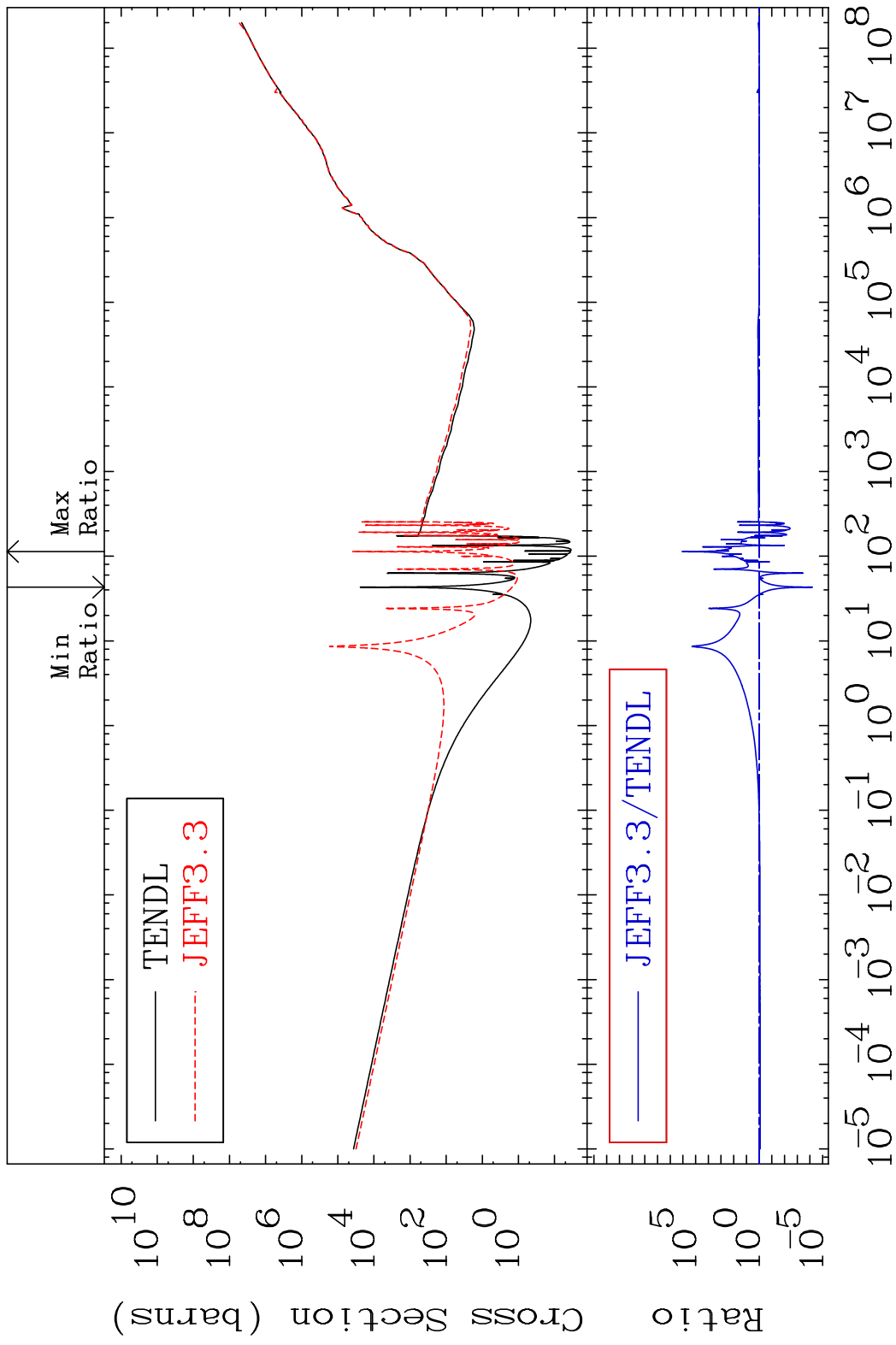
MAT 3534

Kerma elastic
Cross Section

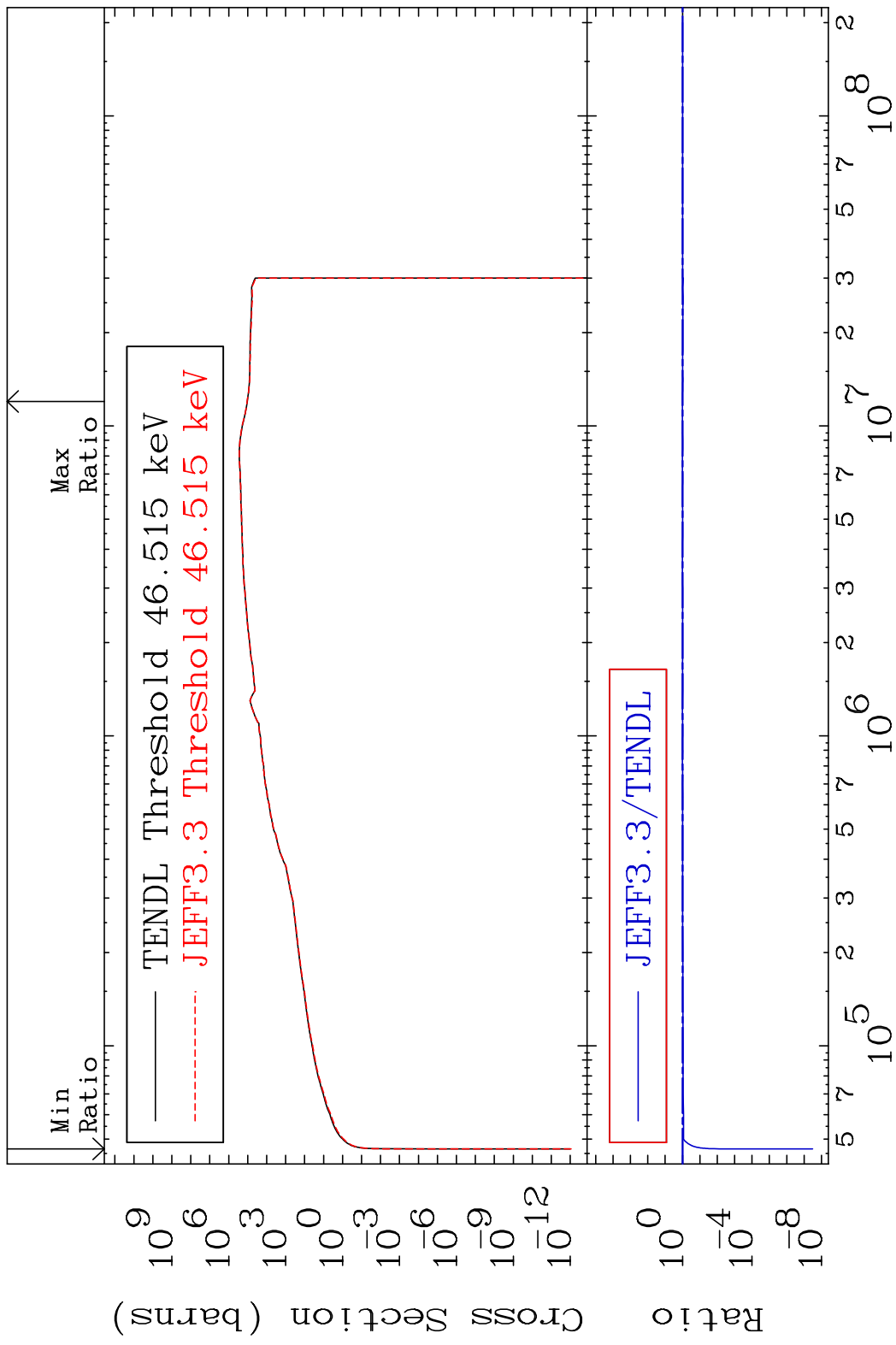
35-Br-82
-88.84 To 2041. %



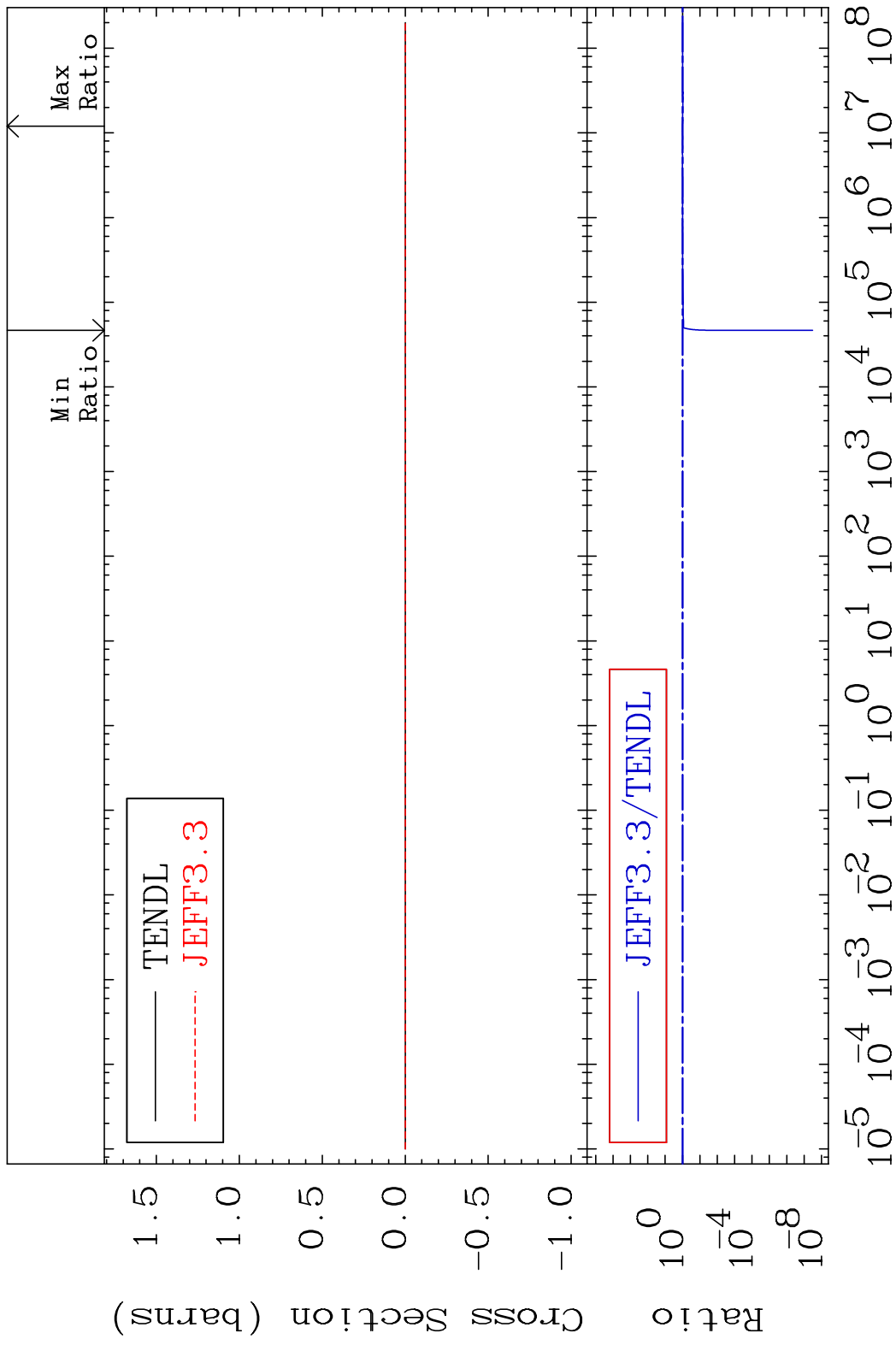
MAT 3534 Kerma non-elastic (all but mt2) 35-Br-82
 Cross Section -99.99 To 9999. %



MAT 3534 Kerma inelastic (mt51-91) 35-Br-82
 Cross Section -100.0 To 2.090 %



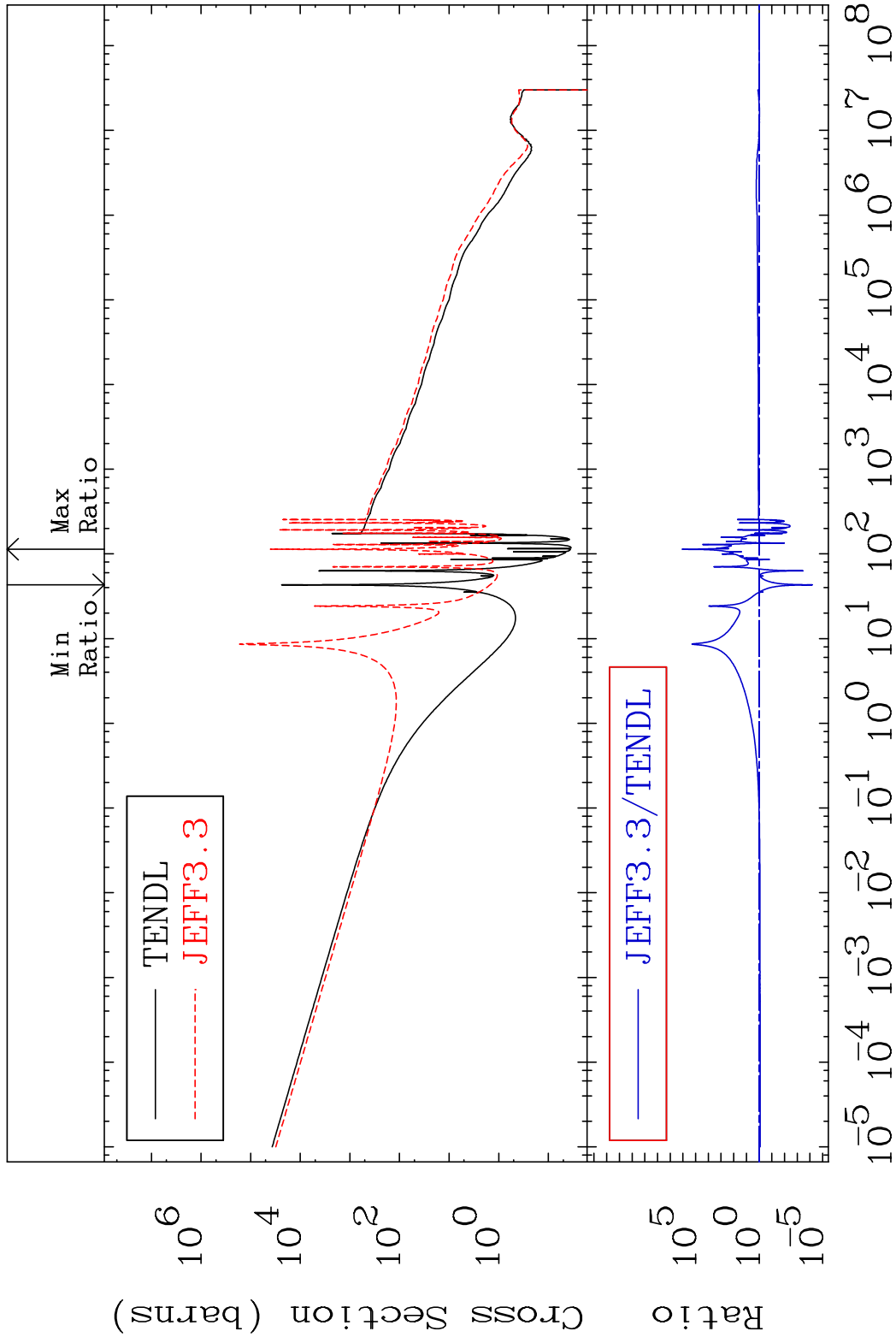
MAT 3534 Kerma fission (mt18 or mt19-20-21-38) 35-Br-82
 Cross Section -100.0 To 2.090 %



MAT 3534

Kerma capture (mt102) 35-Br-82

Cross Section -99.99 To 9999. %

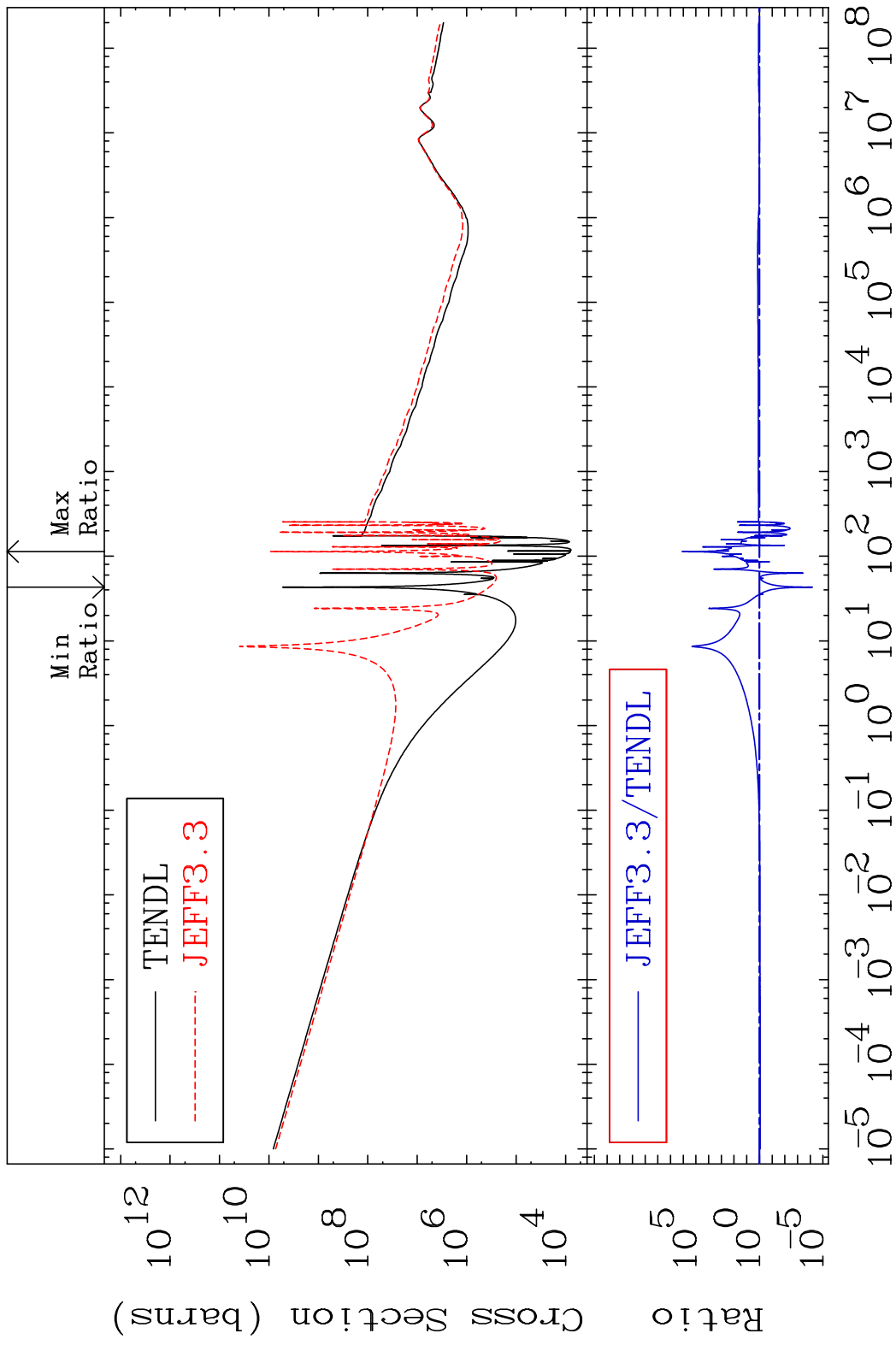


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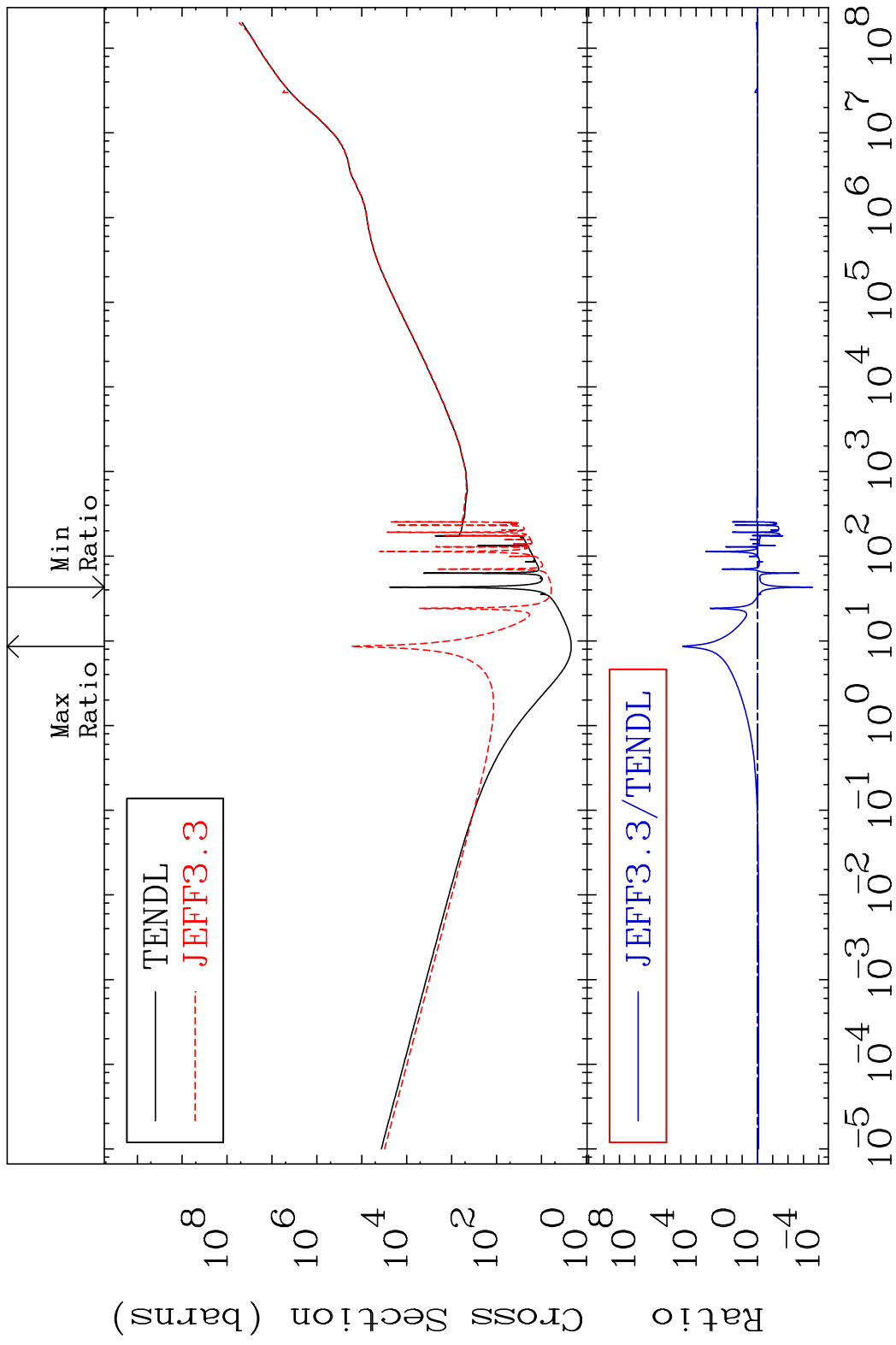
Incident Energy (eV)

35-Br-82

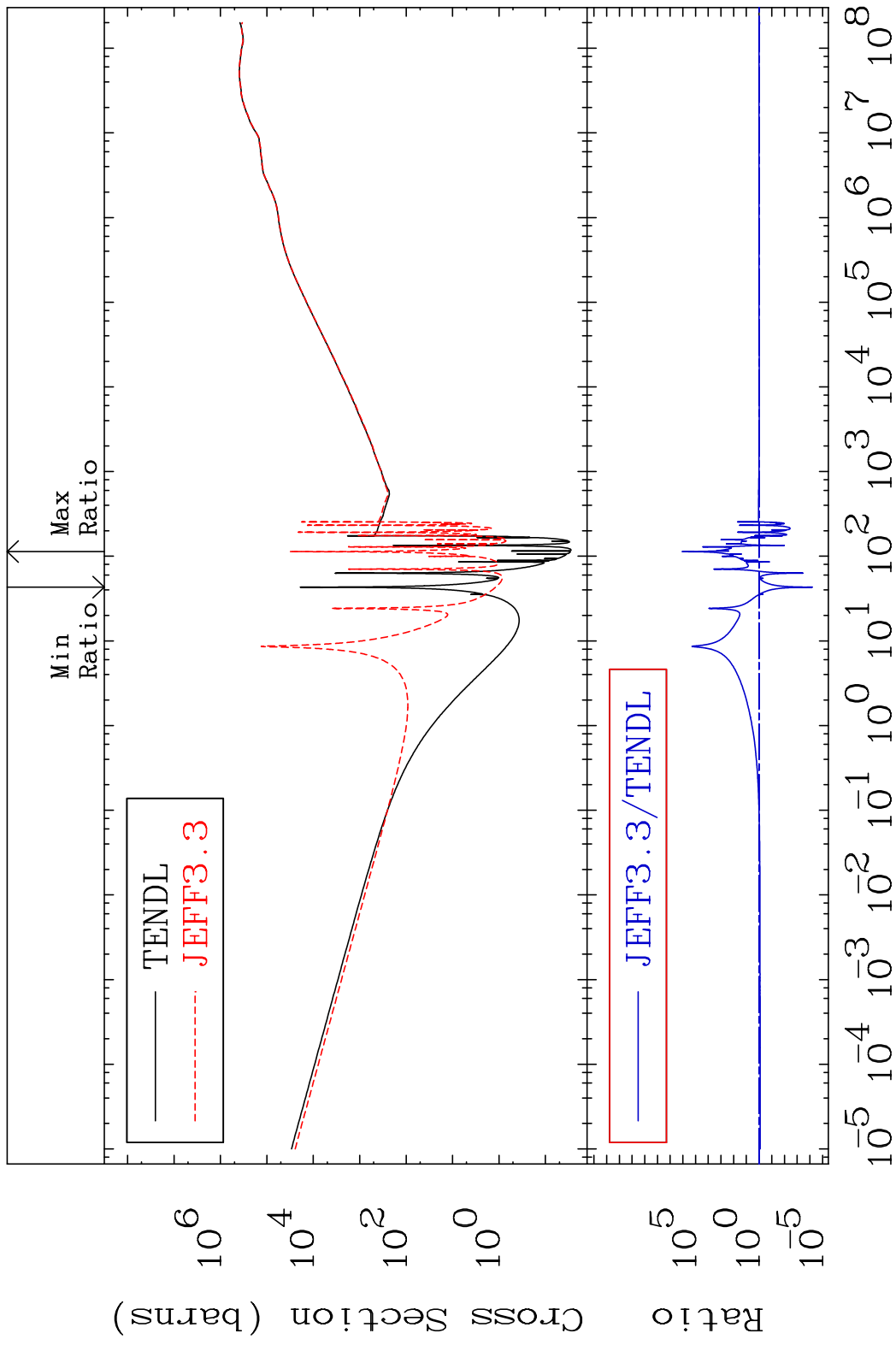
MAT 3534 Total photon (eV-barns) 35-Br-82
 Cross Section -99.99 To 9999. %



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 9999.9 %



73 Incident Energy (eV) 35-Br-82

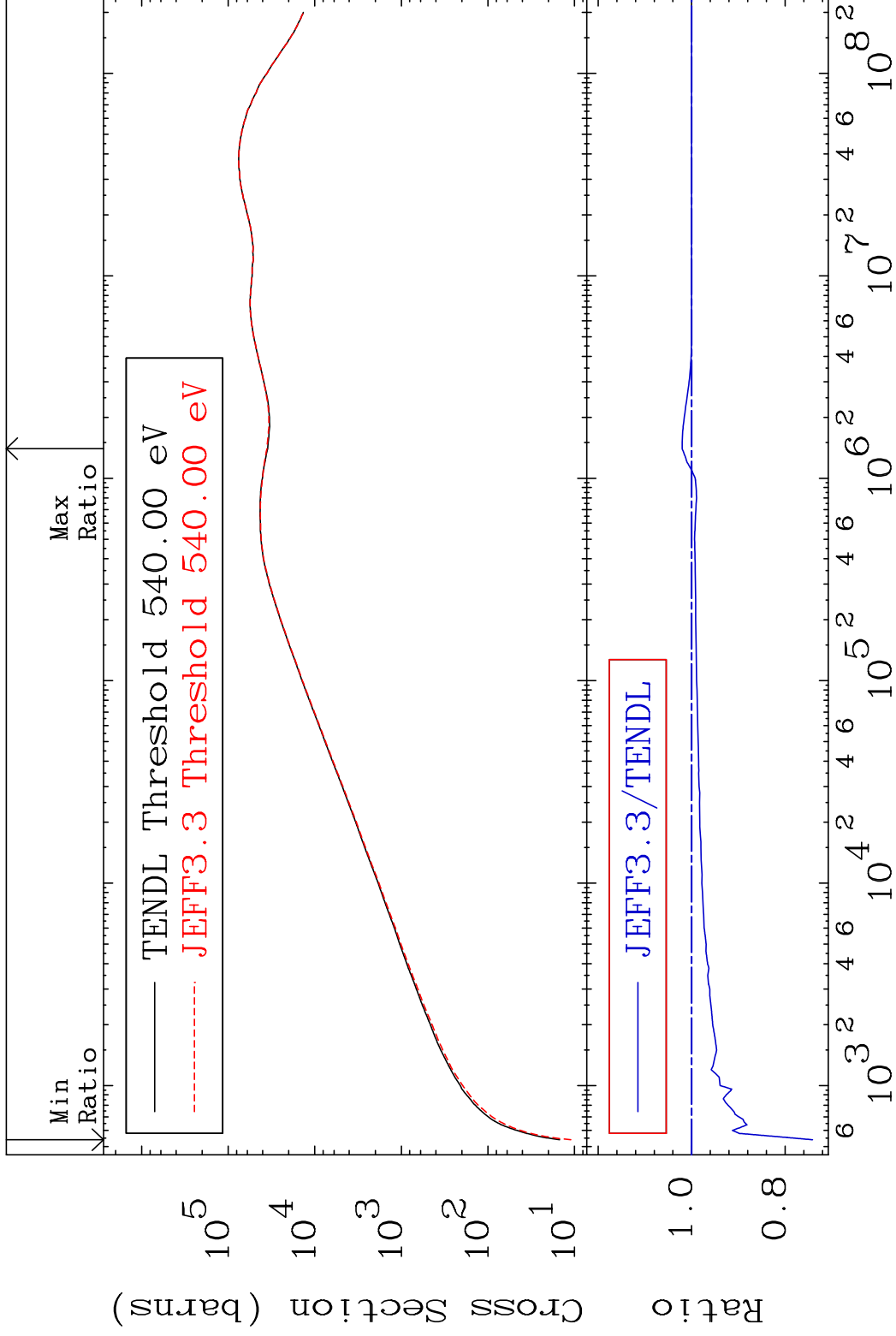
MAT 3534

Dpa elastic (mt2)

35-Br-82

Cross Section

-25.86 To 2.026 %

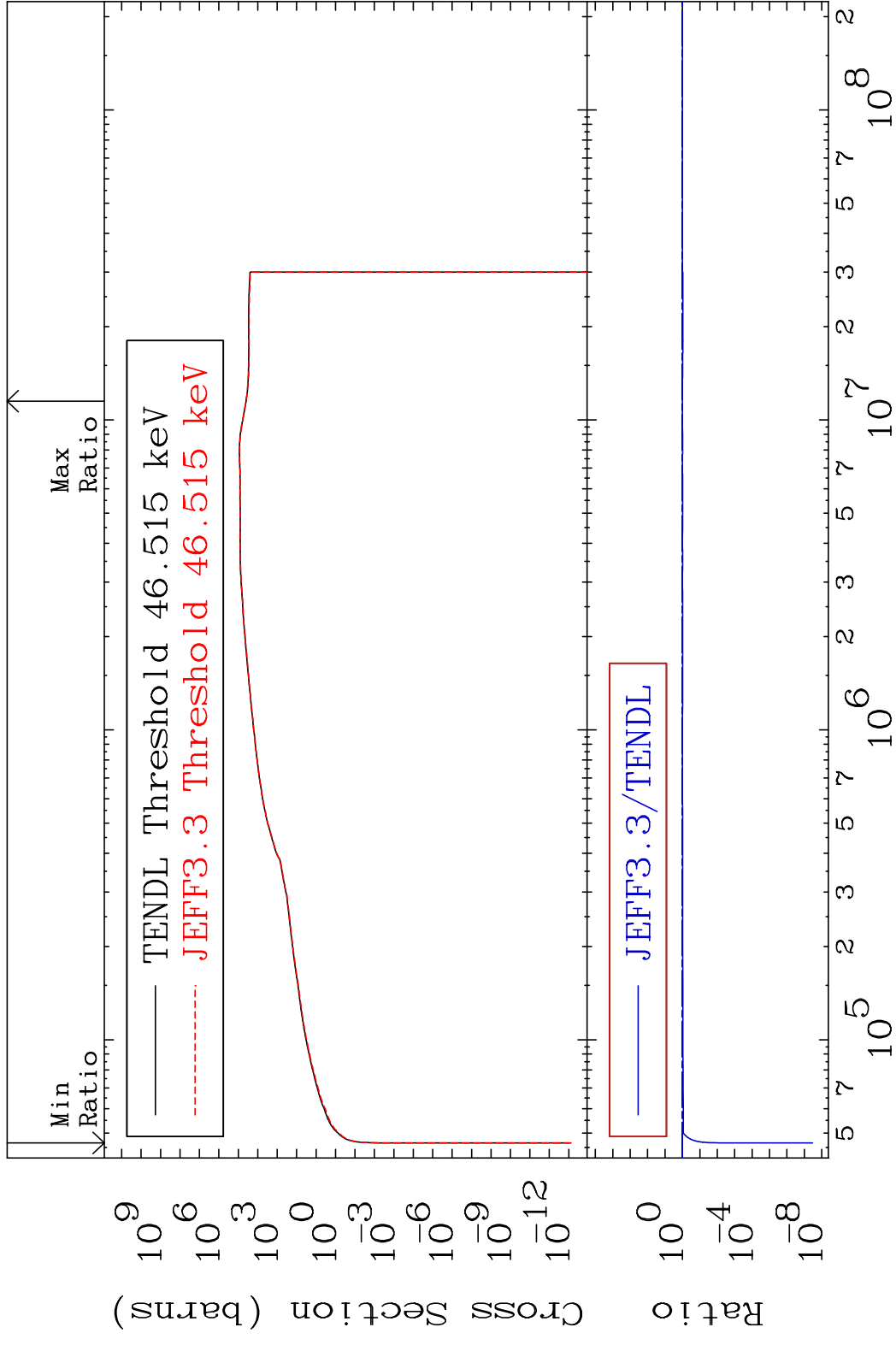


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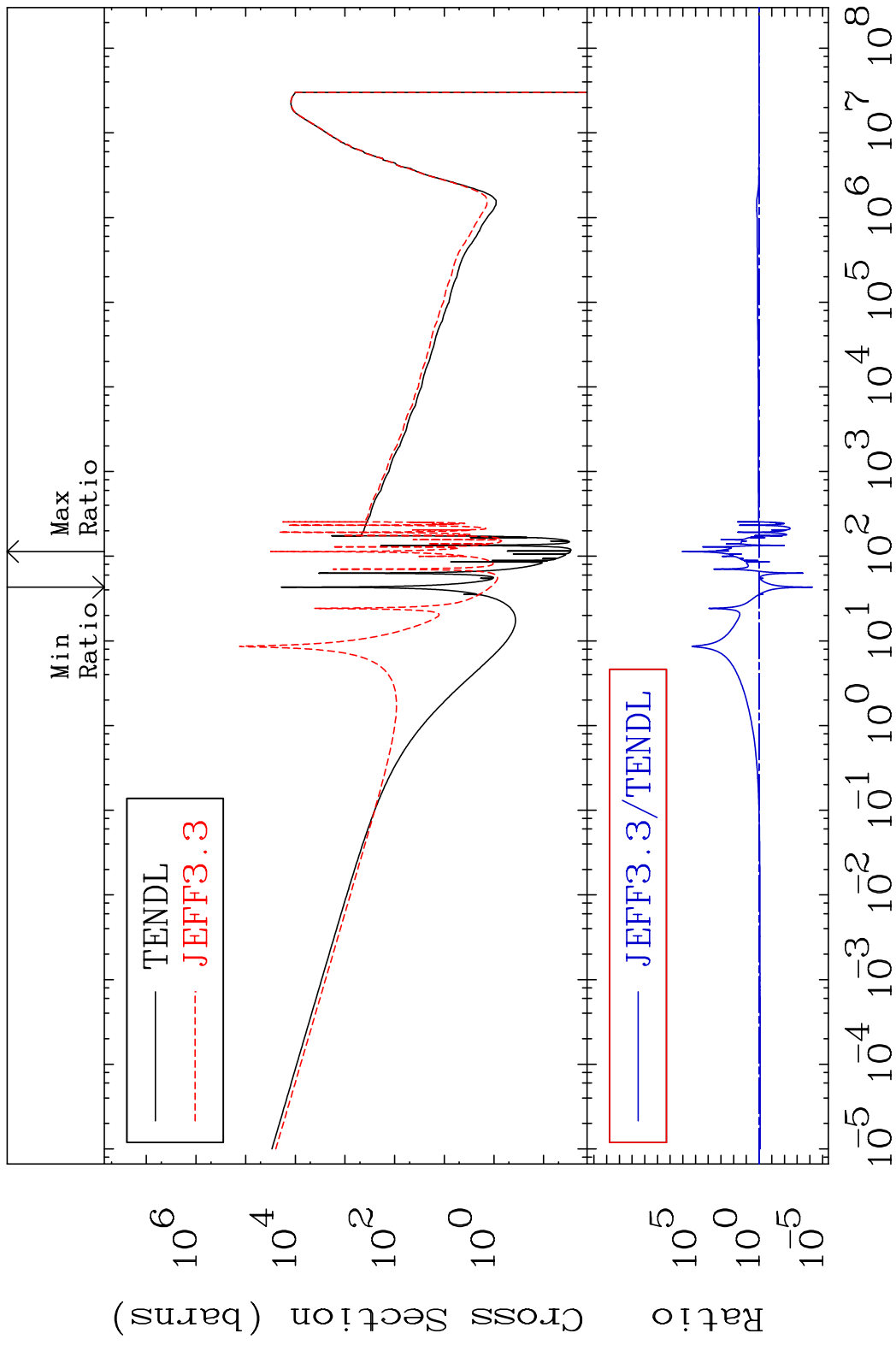
Incident Energy (eV)

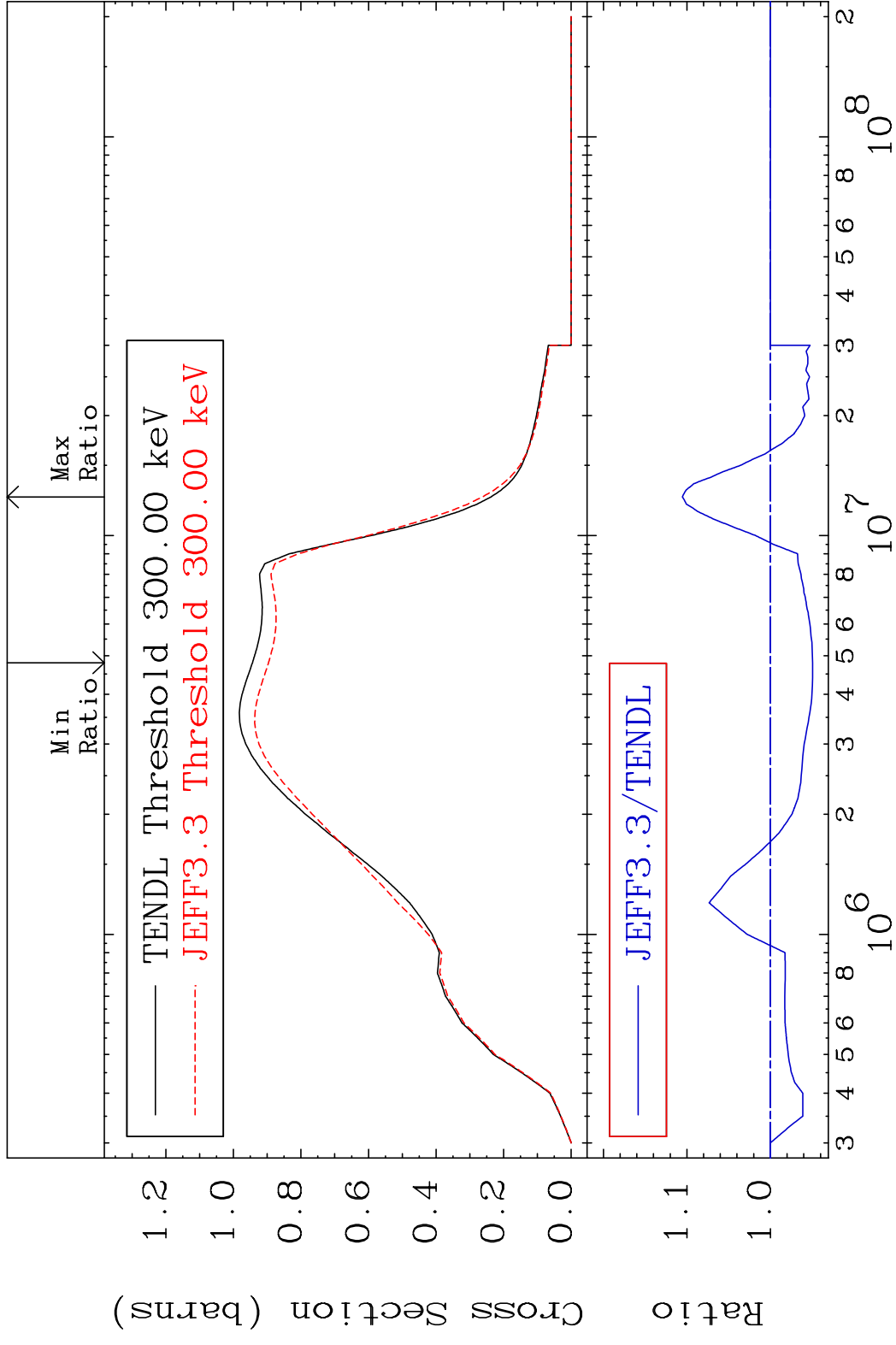
35-Br-82

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

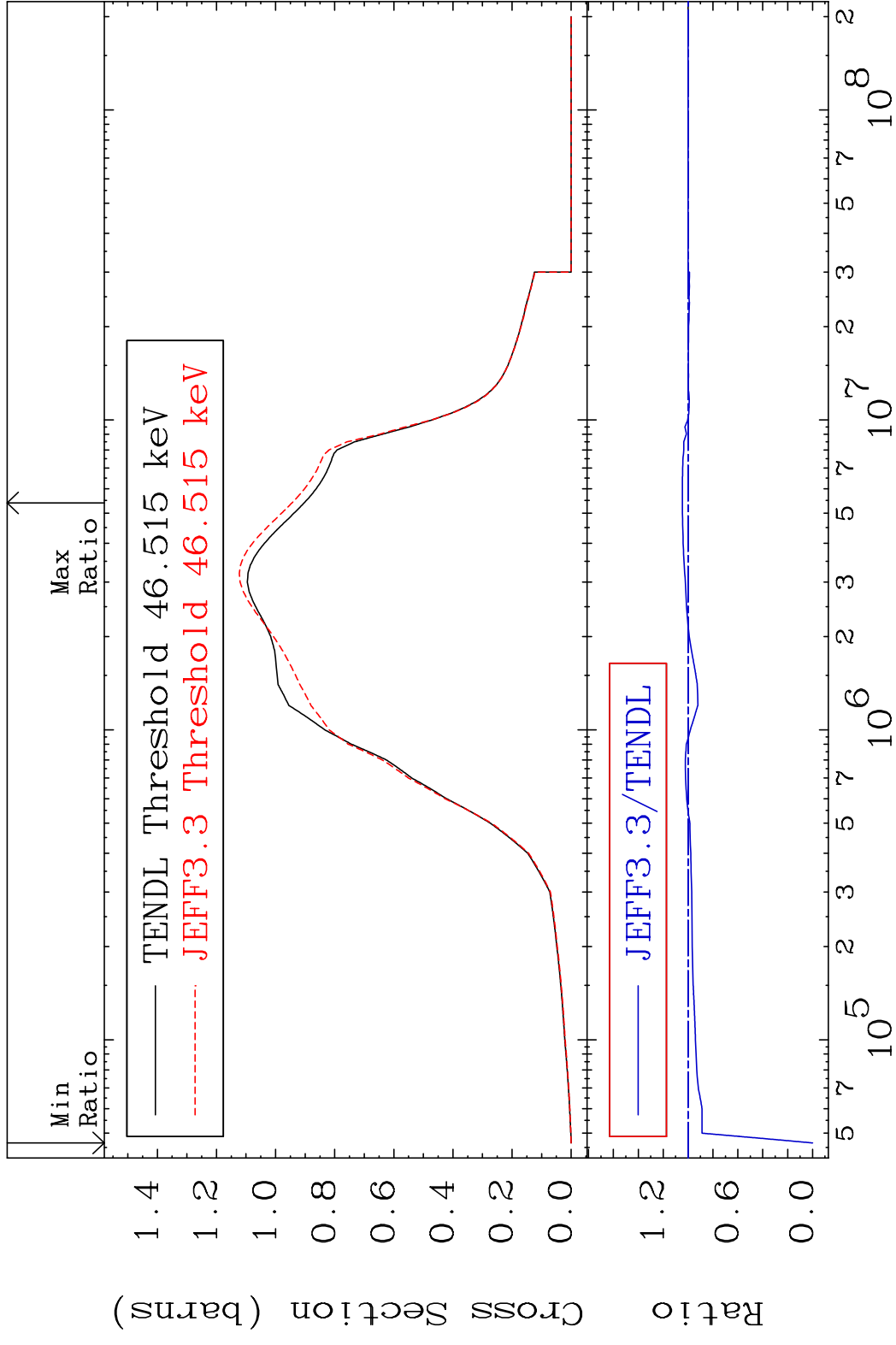


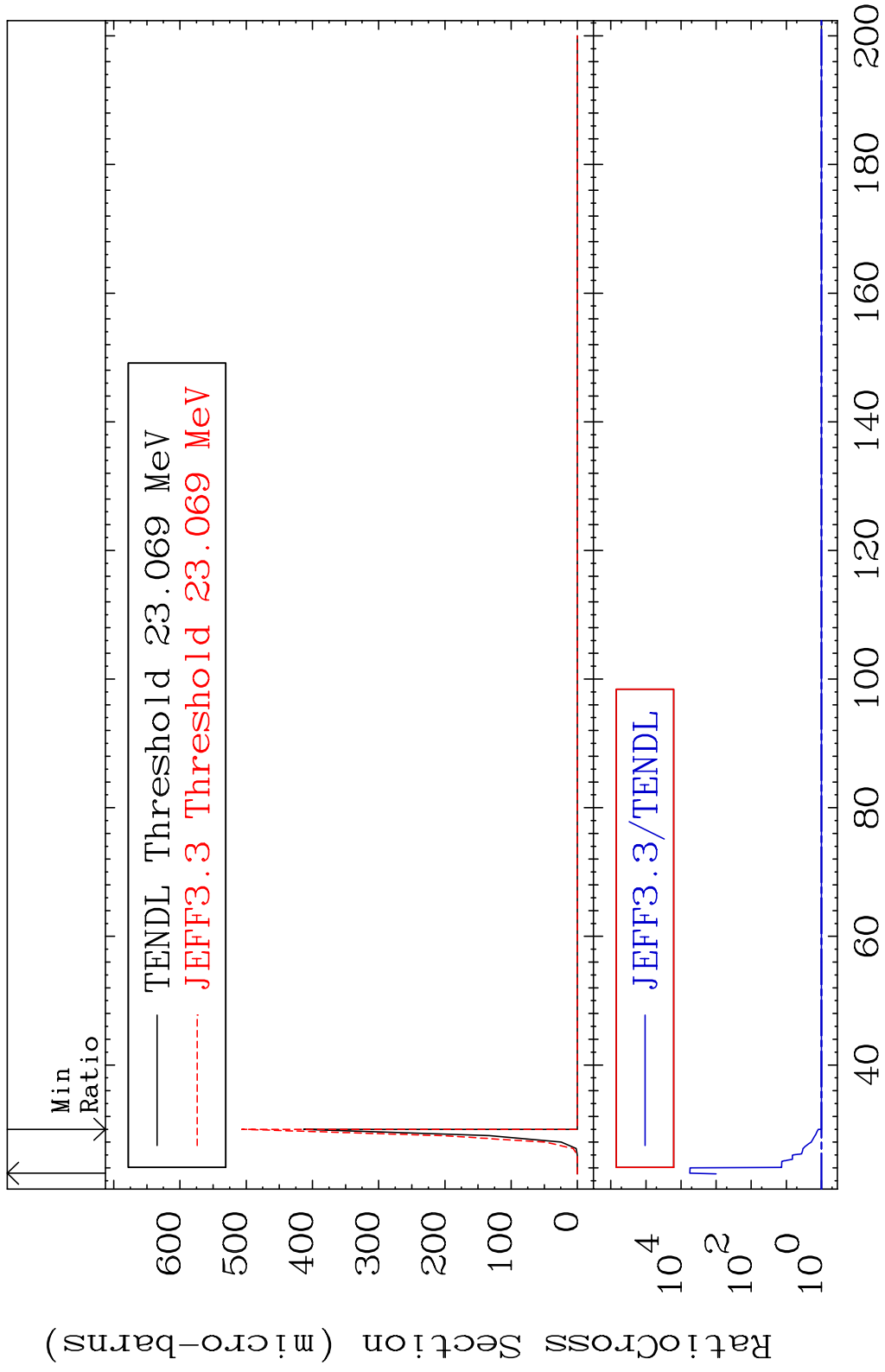
MAT 3534 Dpa disappearance (mt102 -120) 35-Br-82
 Cross Section -99.99 To 9999. %



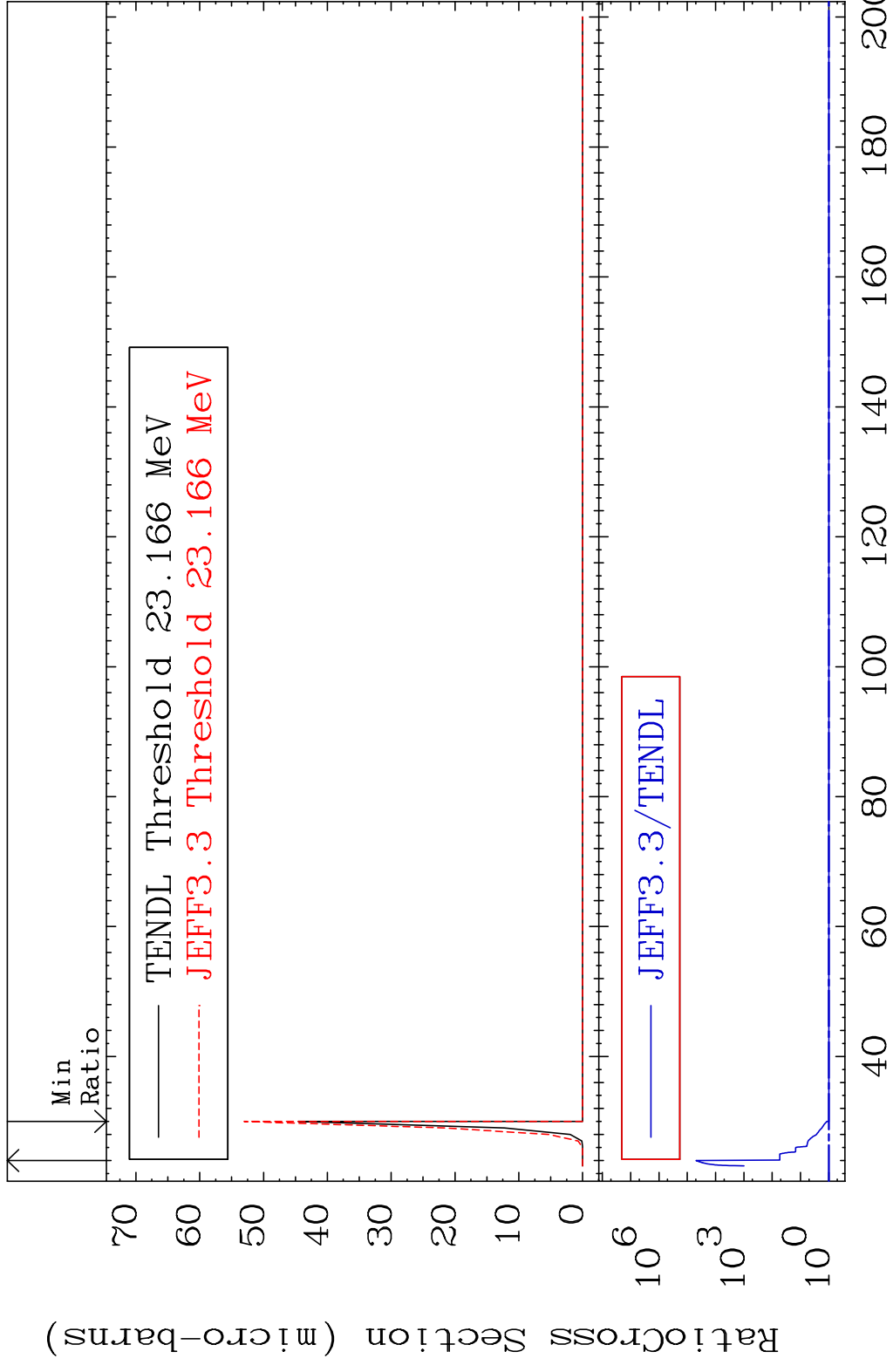


MAT 3534 Inelastic:35-Br-82m1 35-Br-82
 Radionuclide Production Cross Section Ratio 4.589 %



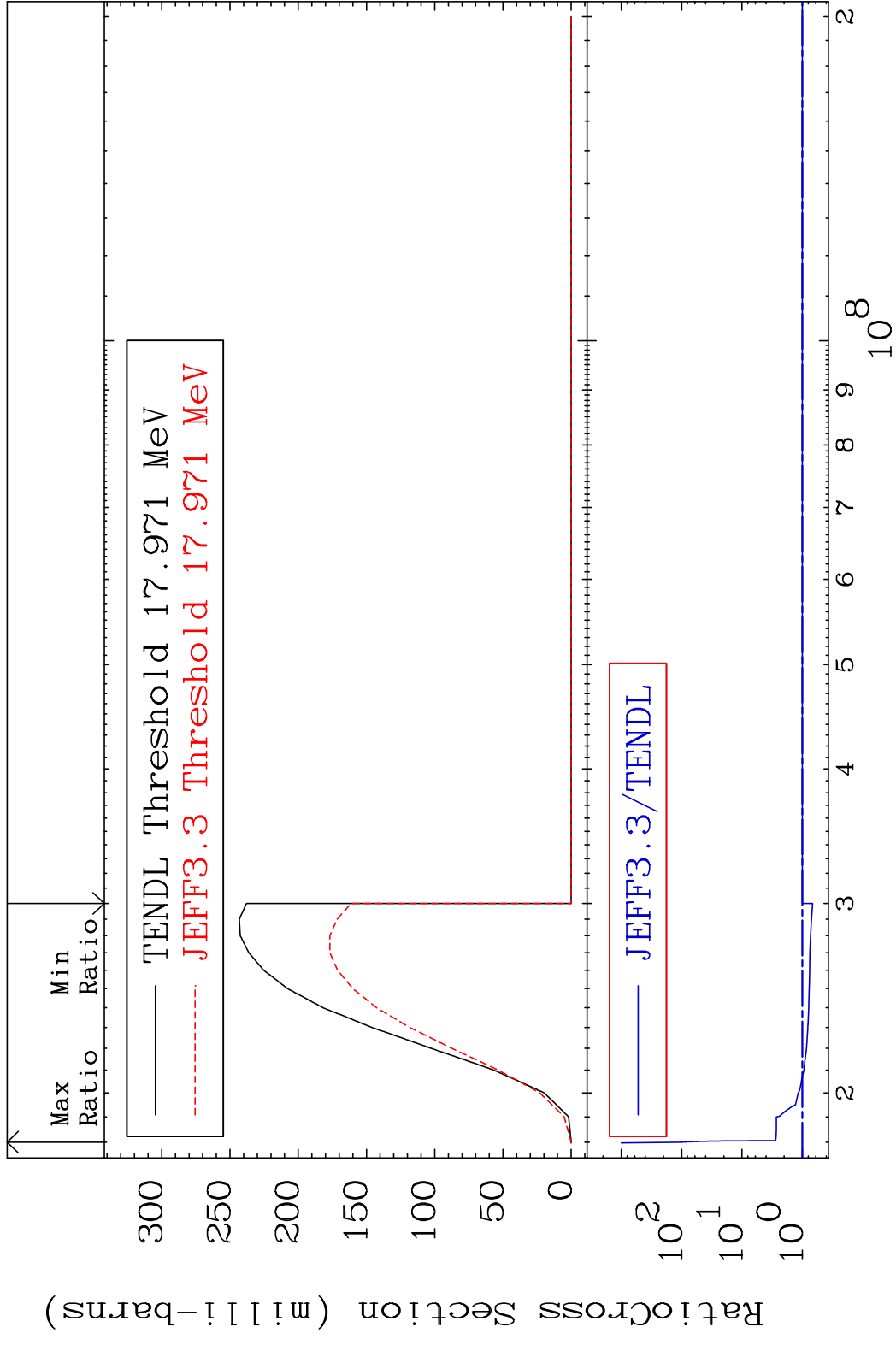


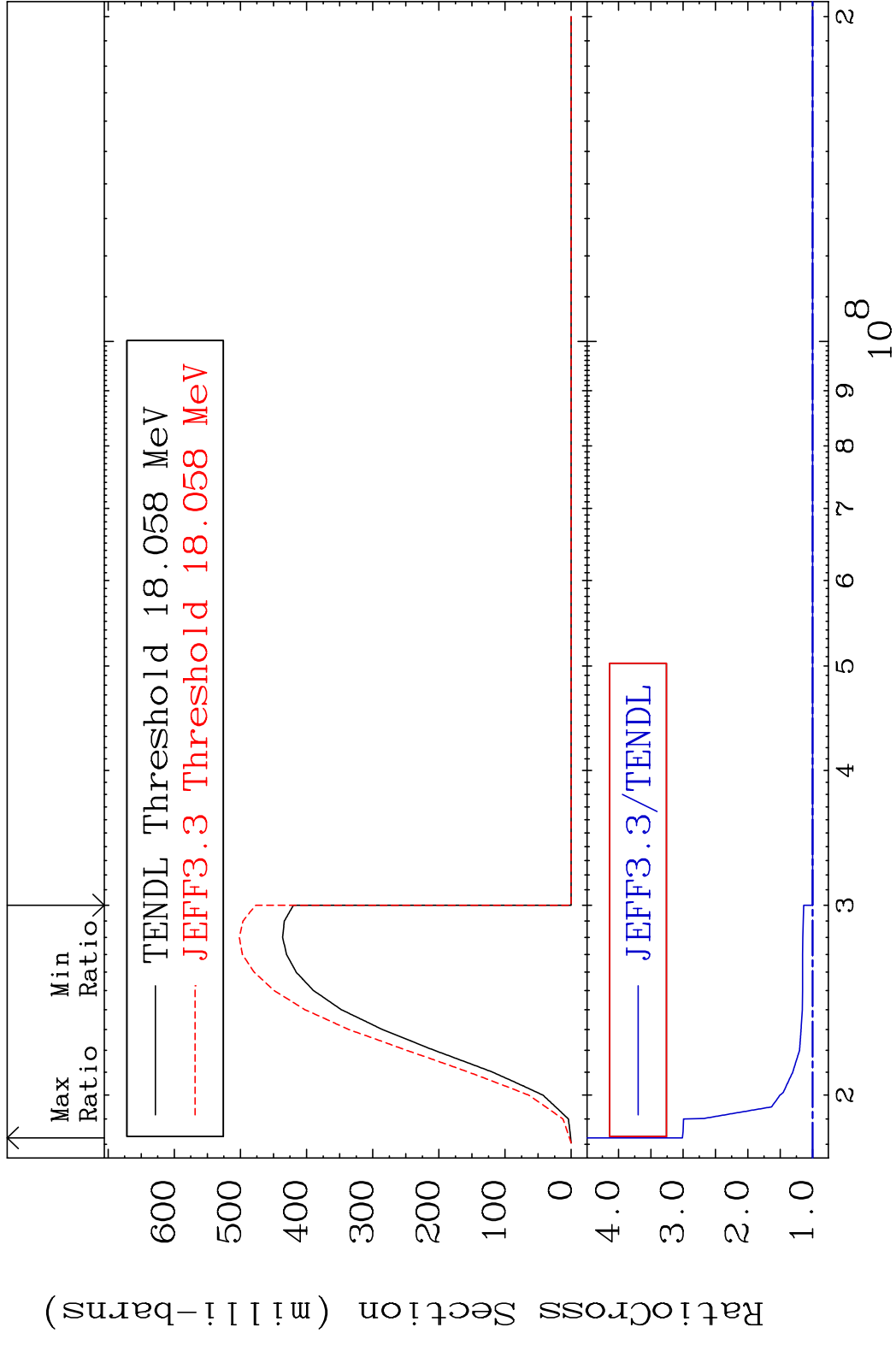
MAT 3534 (n,2n) d:34-Se-79m1 35-Br-82
Radionuclide Production Cross Section 9999. %

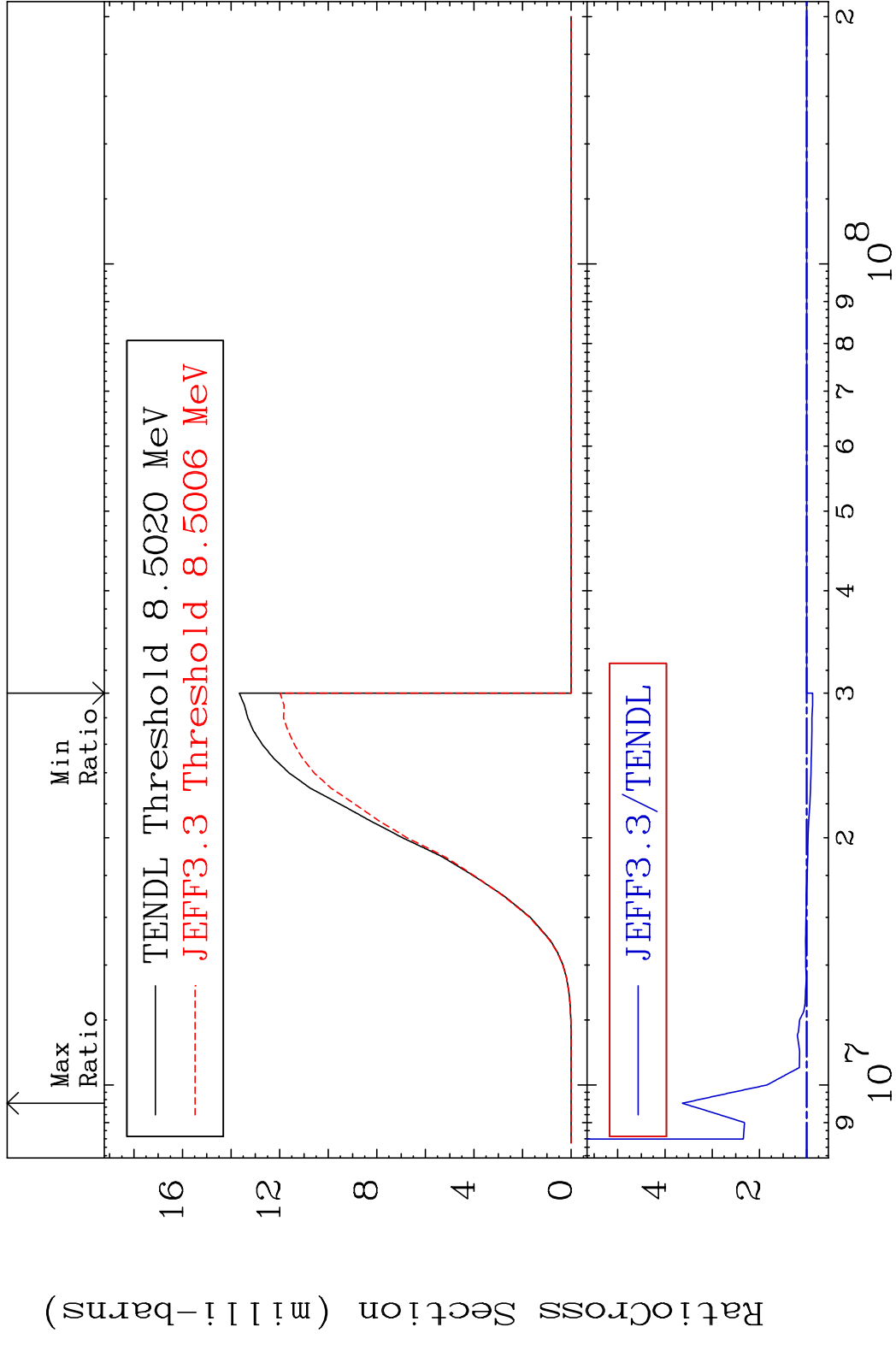


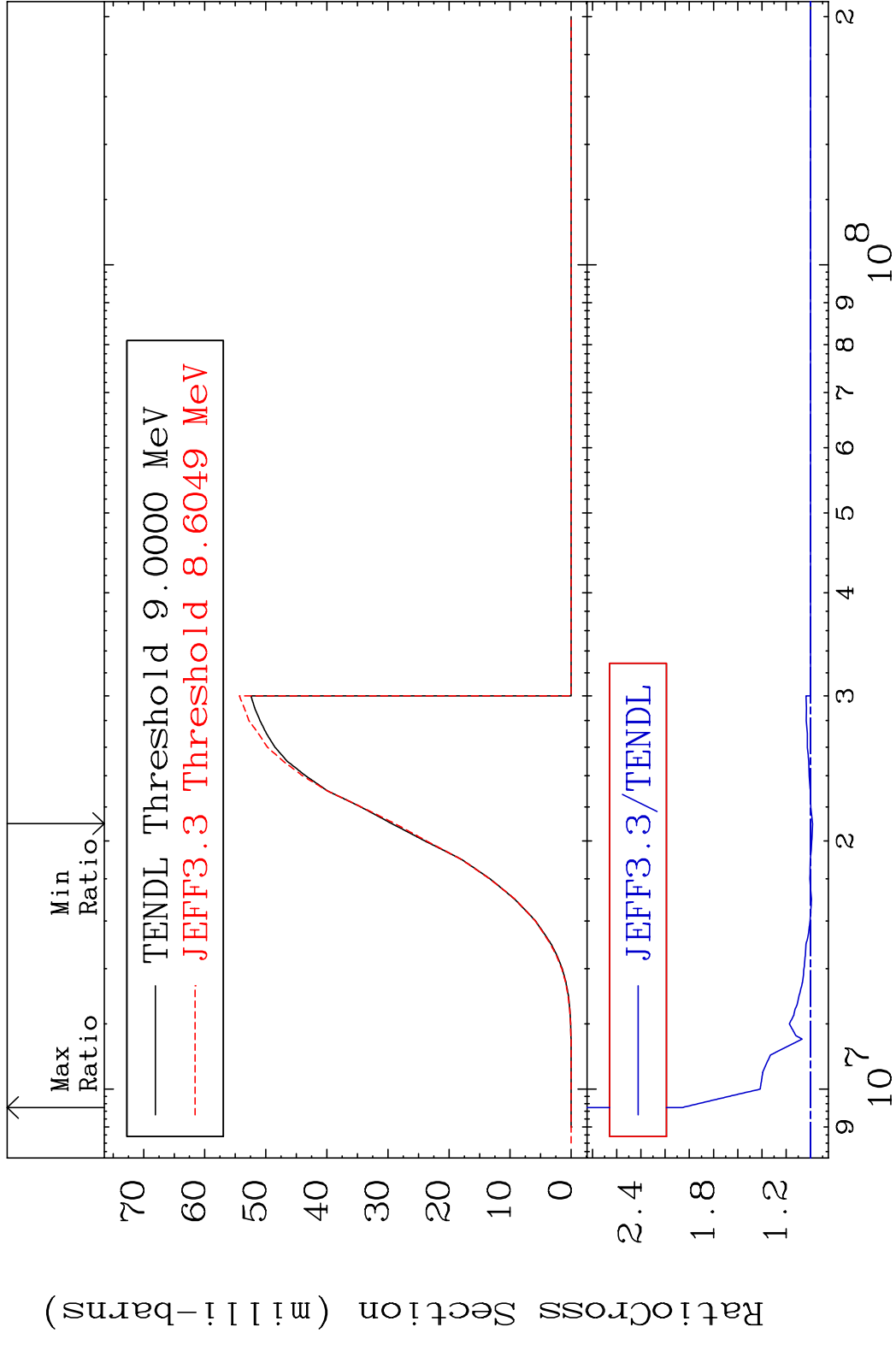
80 Incident Energy (MeV) 35-Br-82

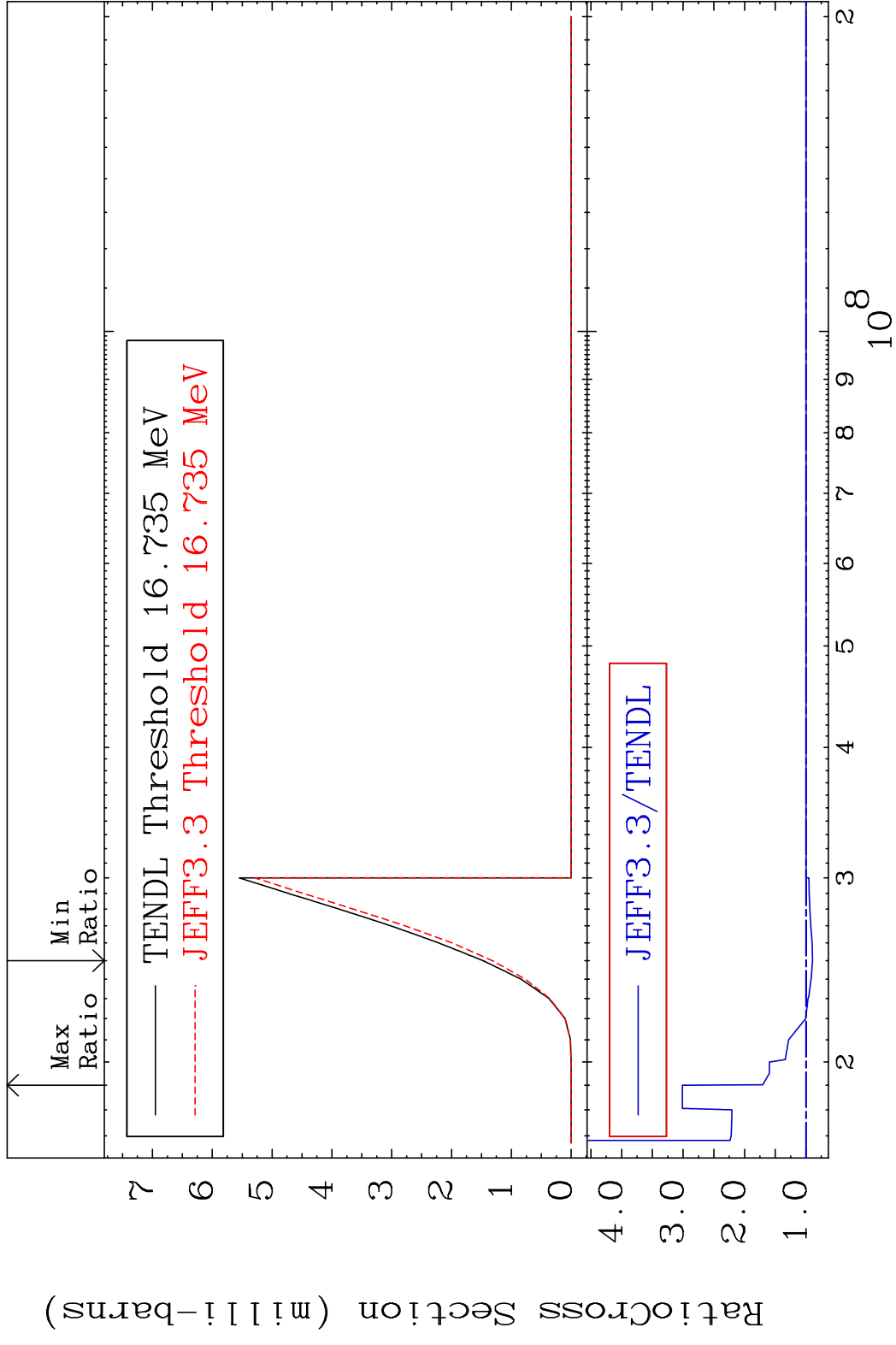
MAT 3534 (n,3n):35-Br-80g 35-Br-82
 Radionuclide Production Cross Section 32.261 dth 9622. %

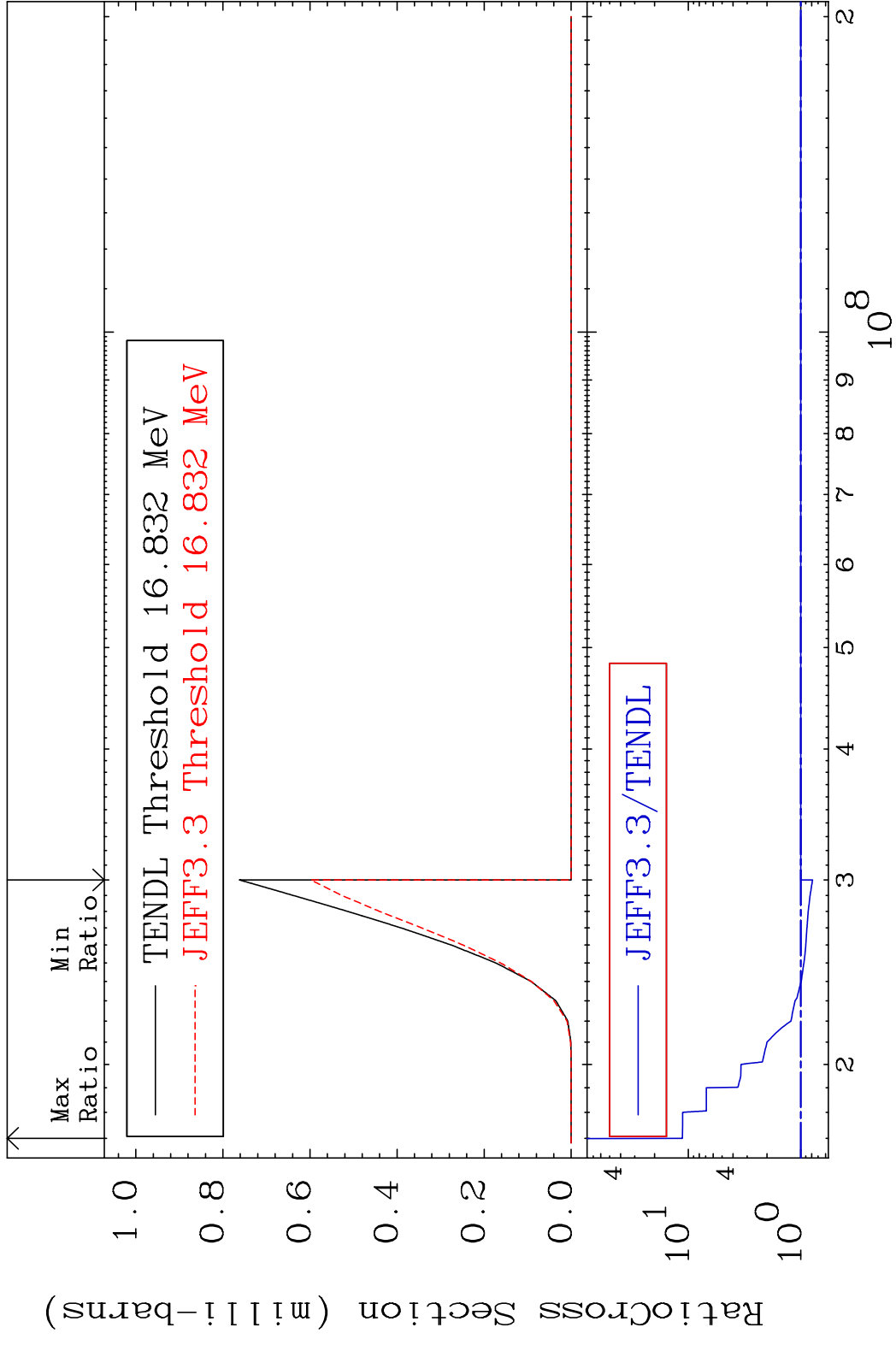


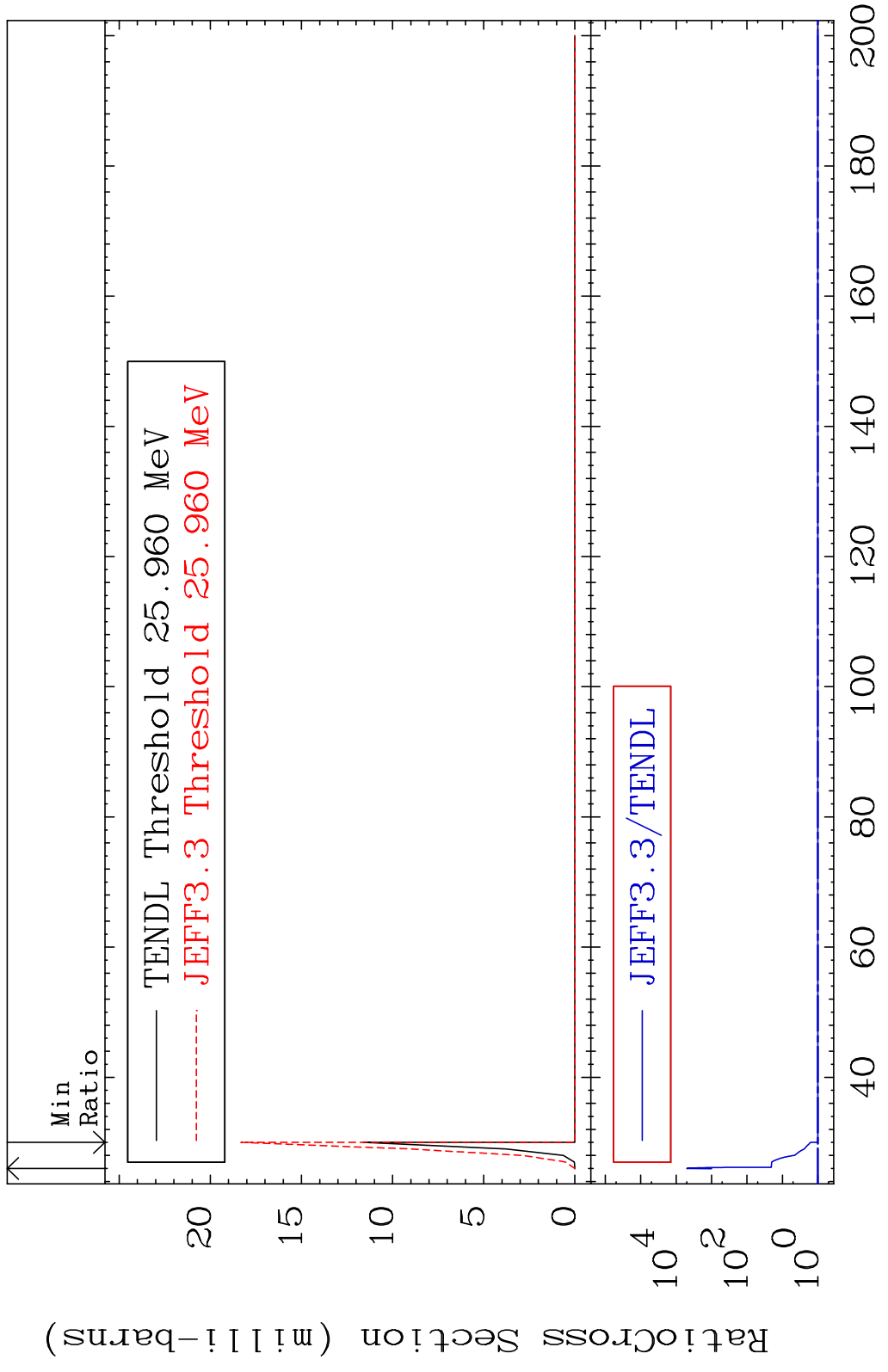




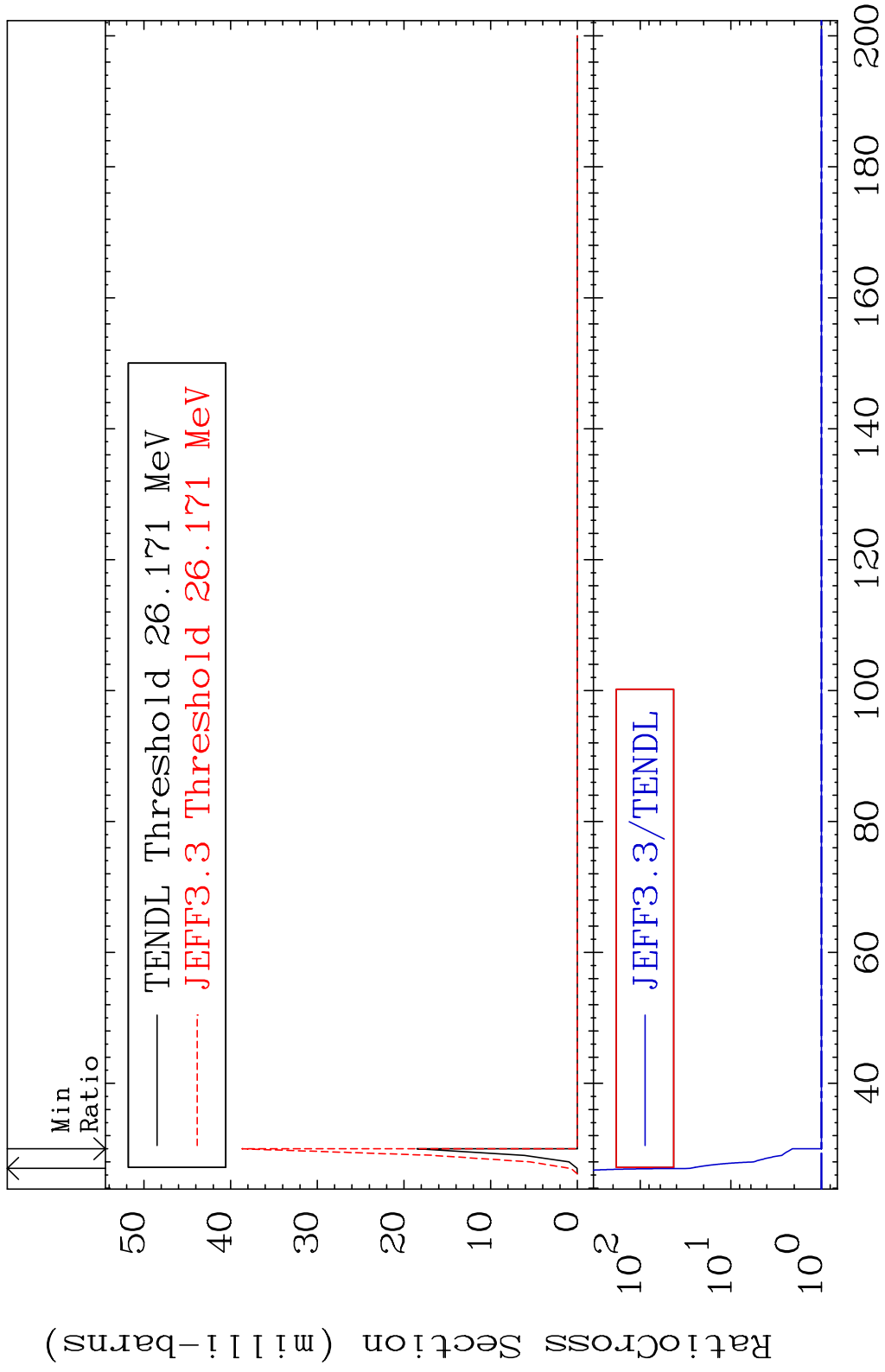


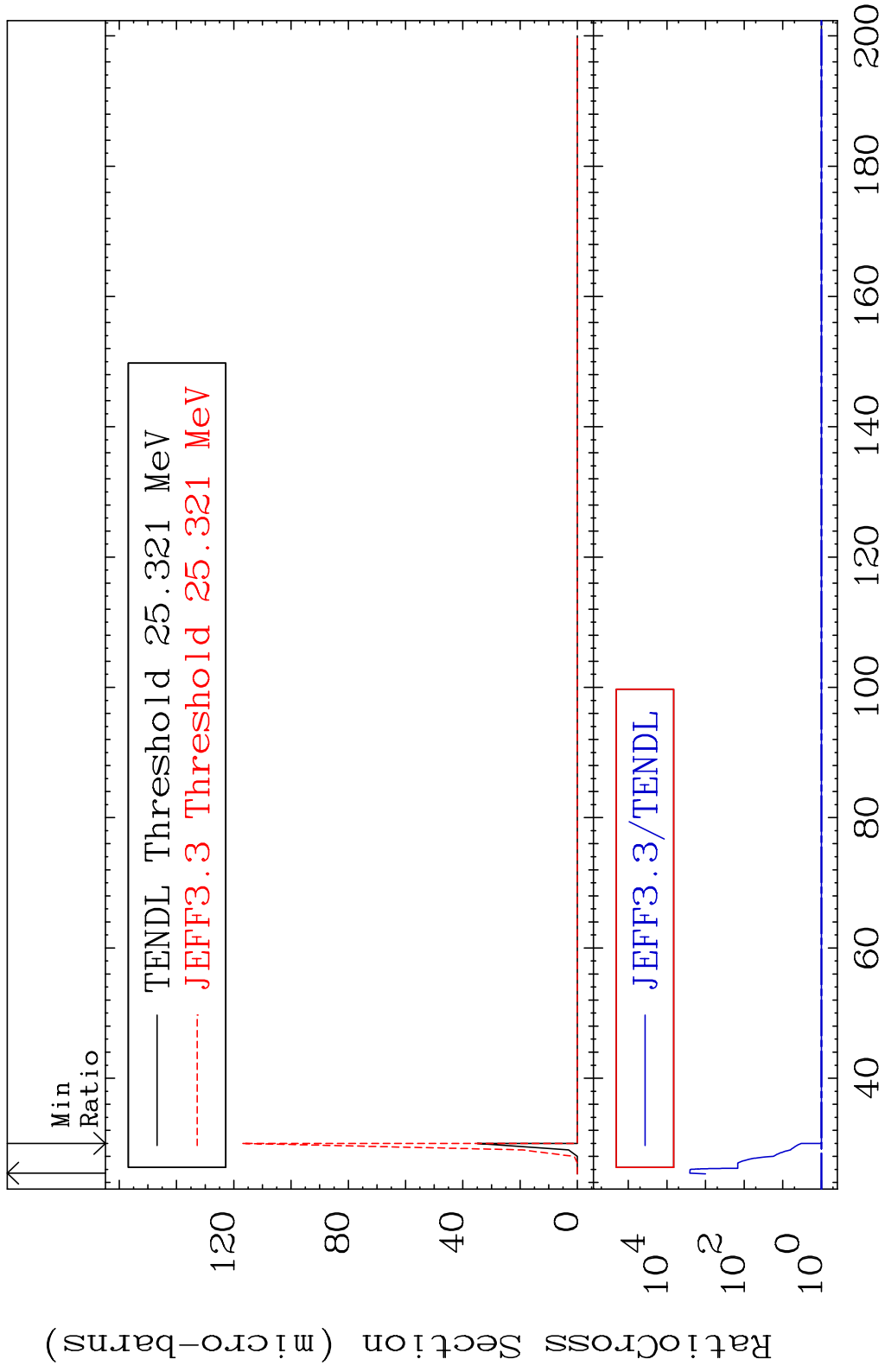


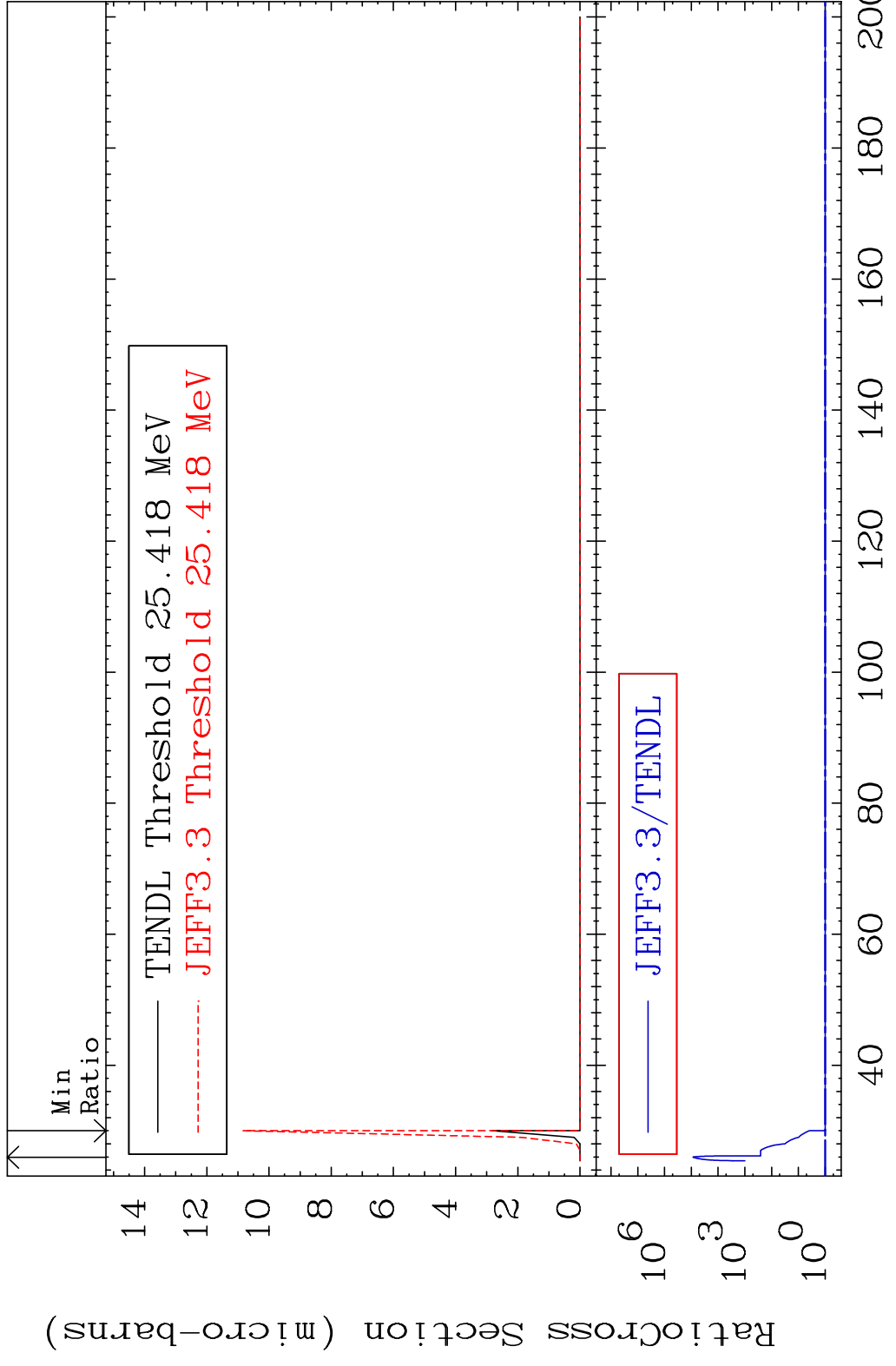


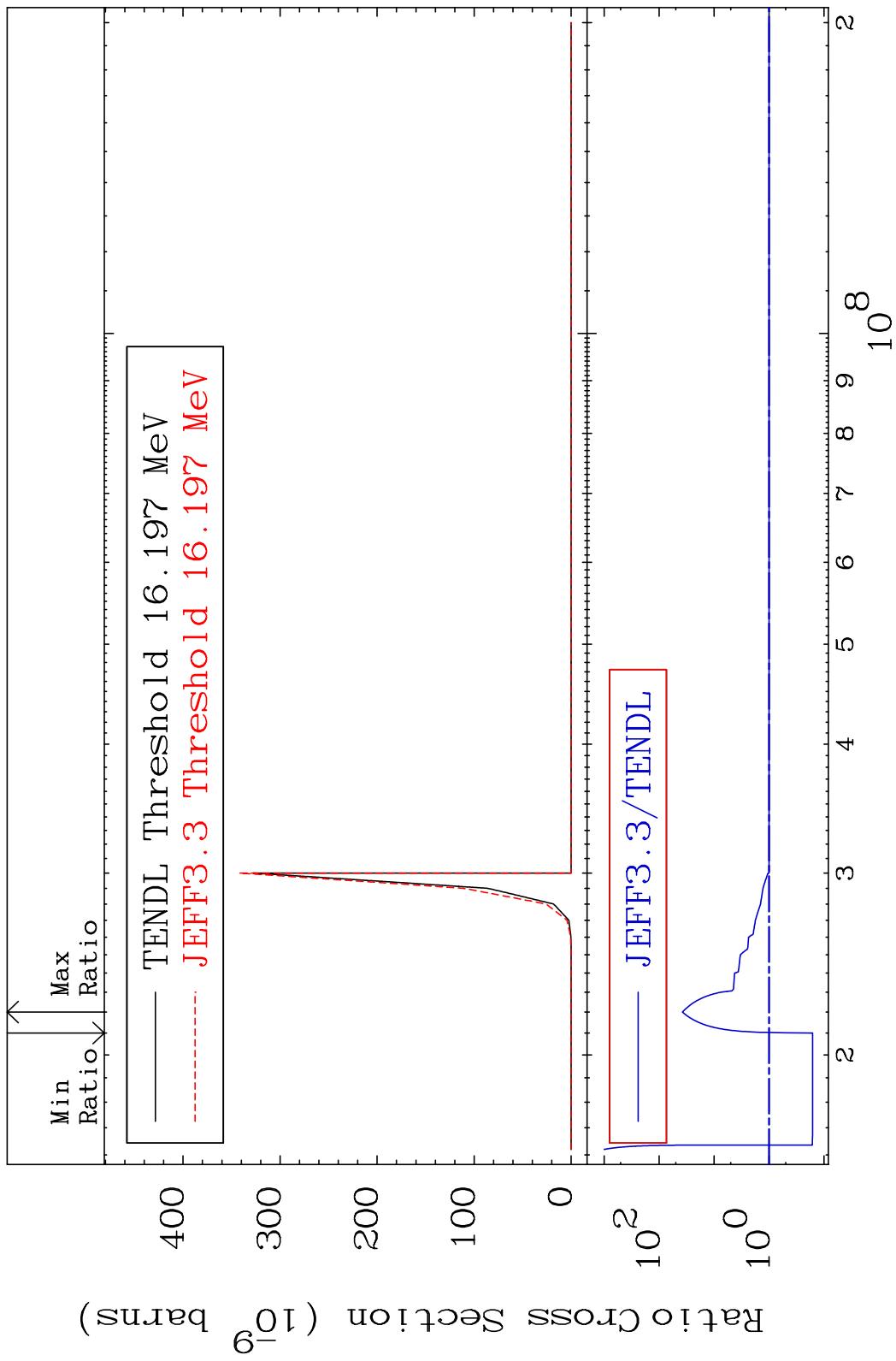


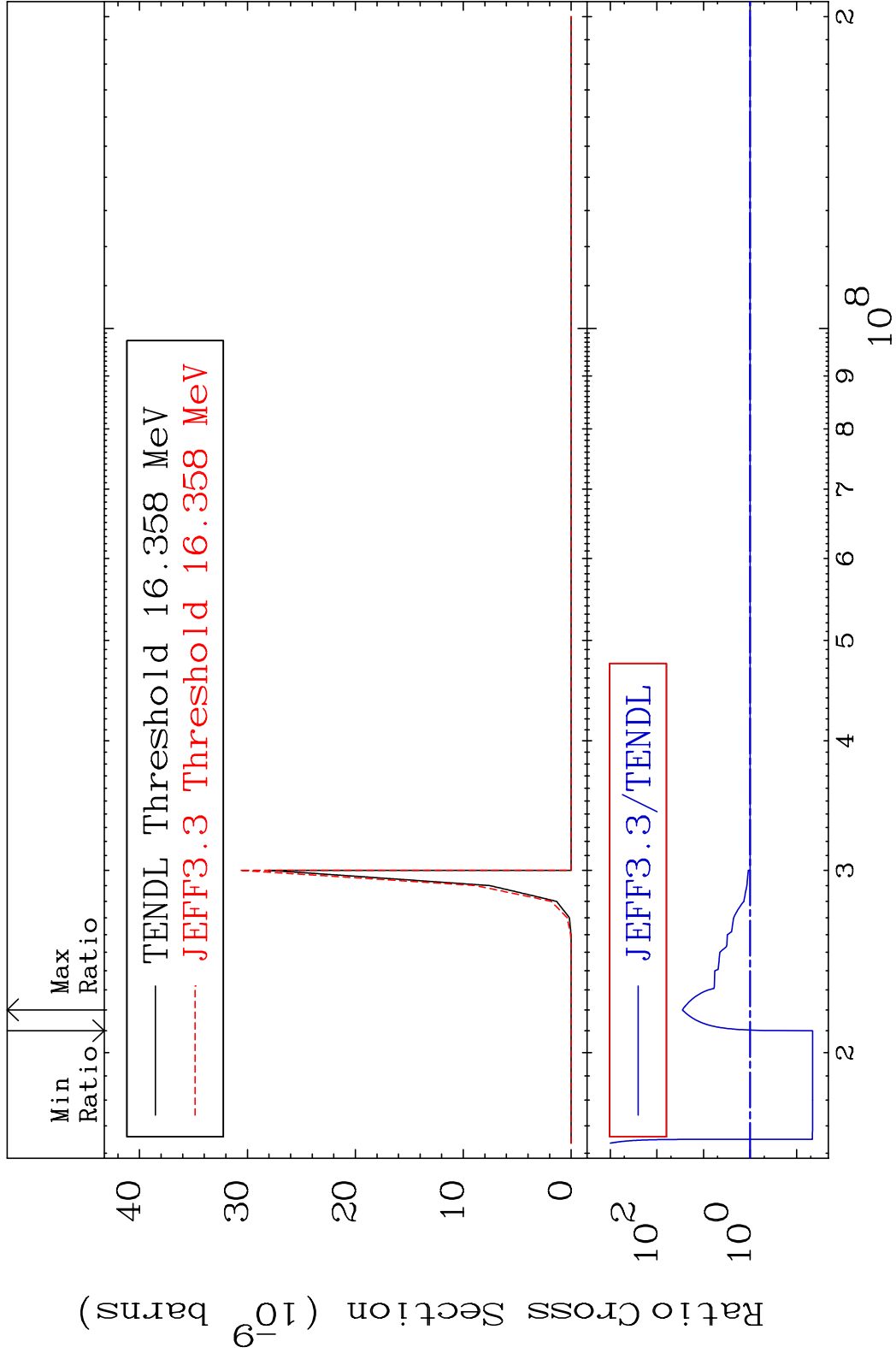
MAT 3534 (n,4n):35-Br-79m1 35-Br-82
 Radionuclide Production Cross Section 2743. %



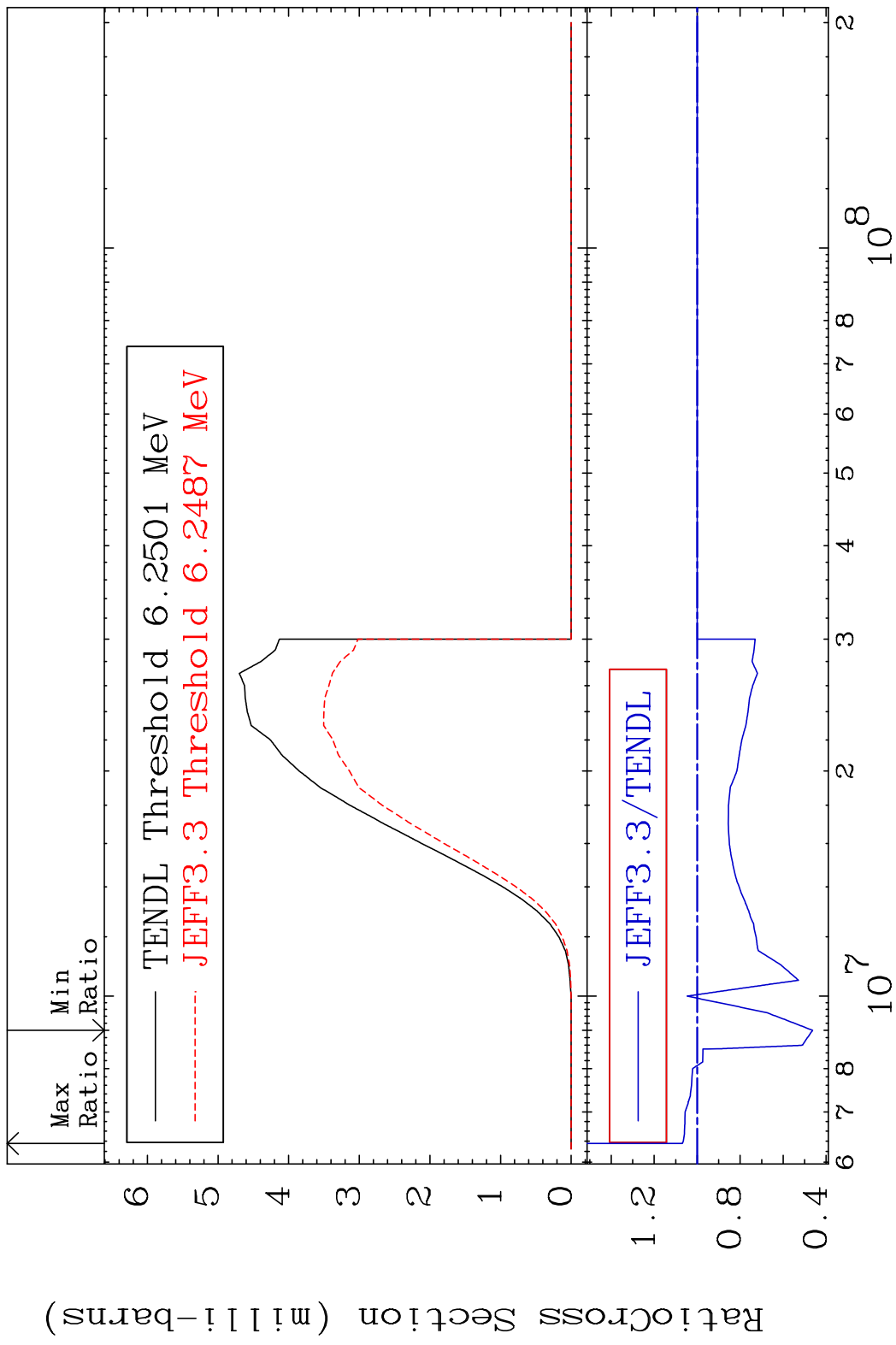




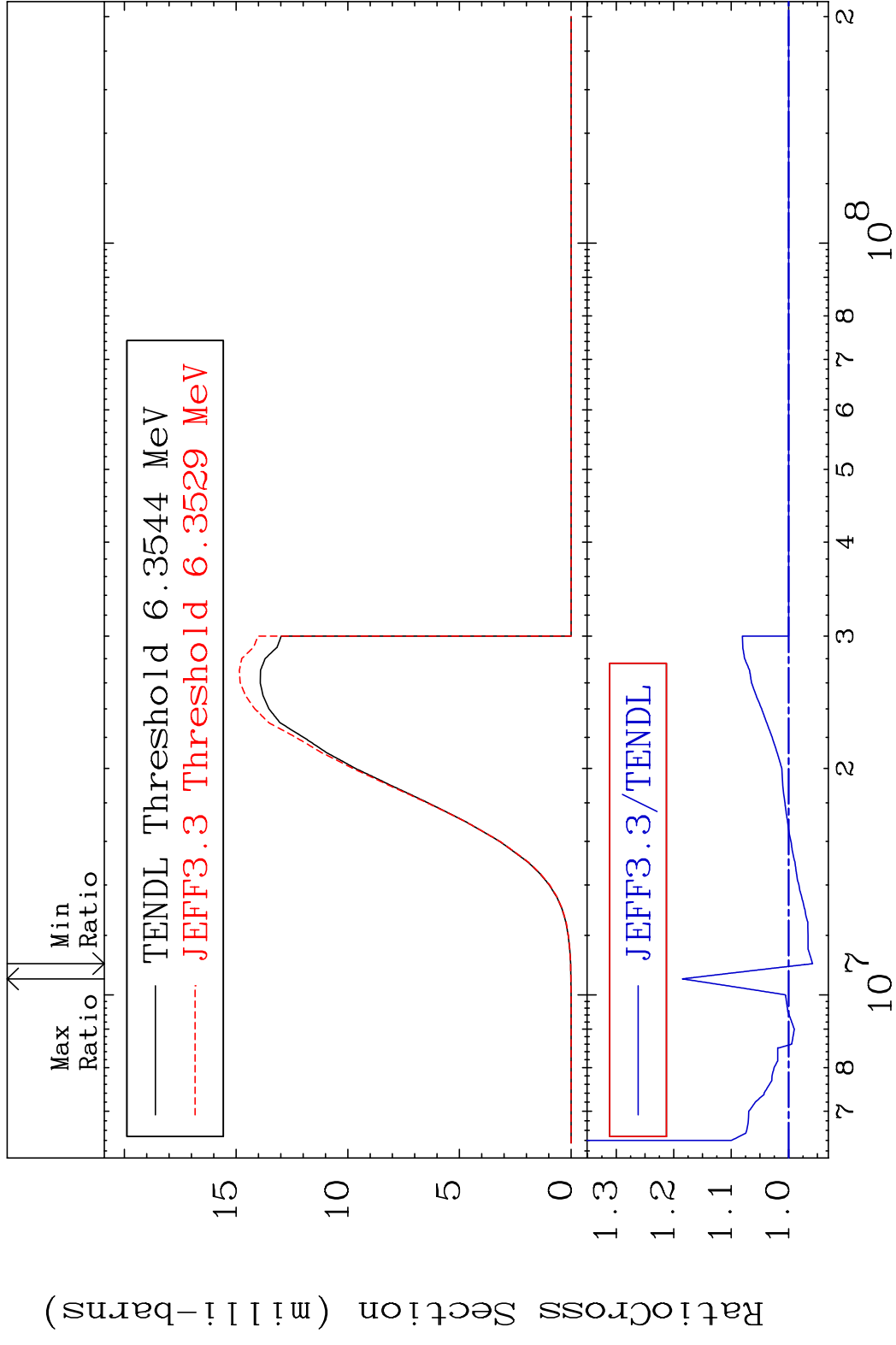




MAT 3534 (n, d):34-Se-81g 35-Br-82
 Radionuclide Production Cross Section 6.899 %



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



94 Incident Energy (eV) 35-Br-82

