

Program Complot
(Version 2021-1)

by

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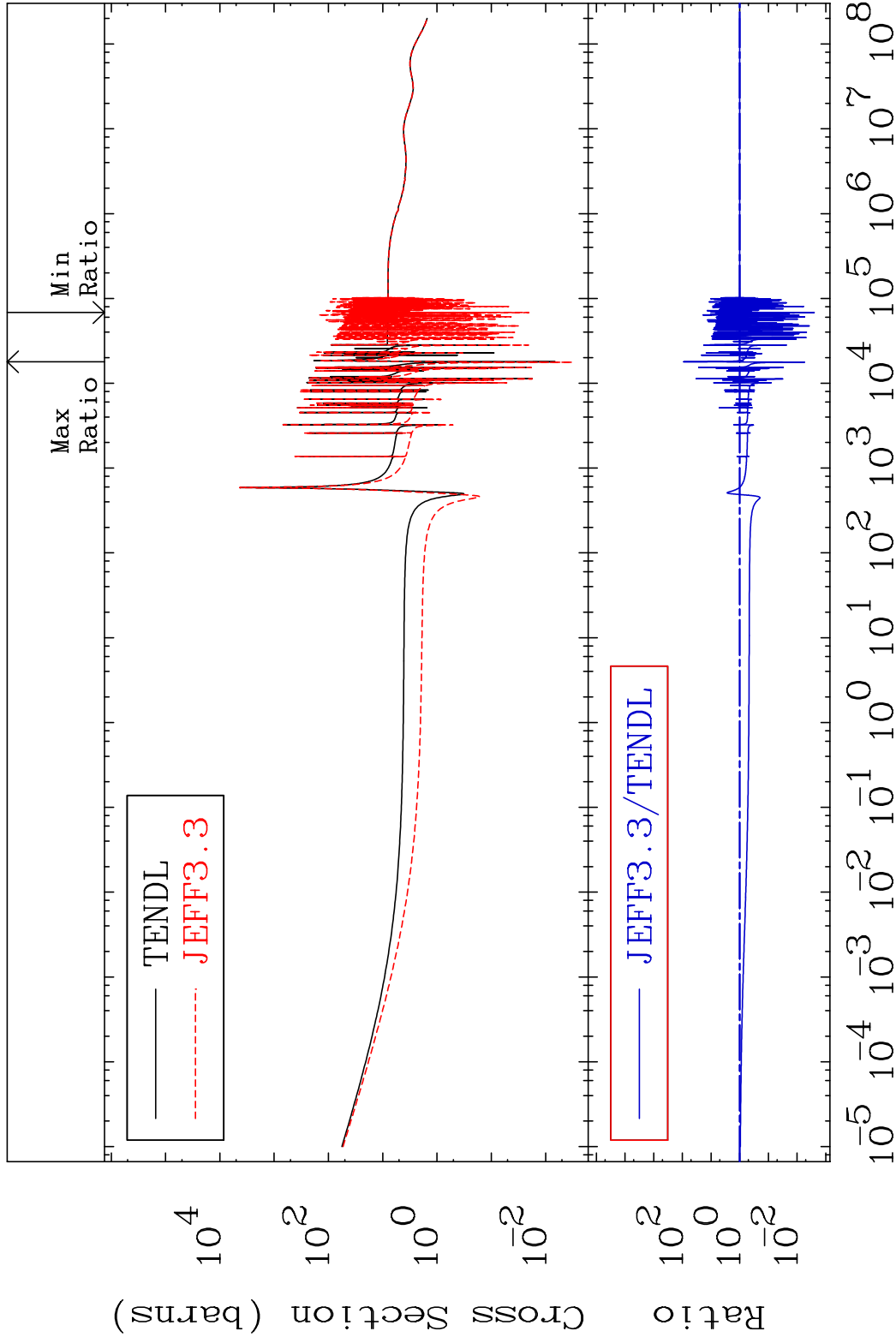
Press Mouse Button to Start

MAT 3831

Total

38-Sr-86

Cross Section -99.74 To 8932. %



1

Incident Energy (eV)

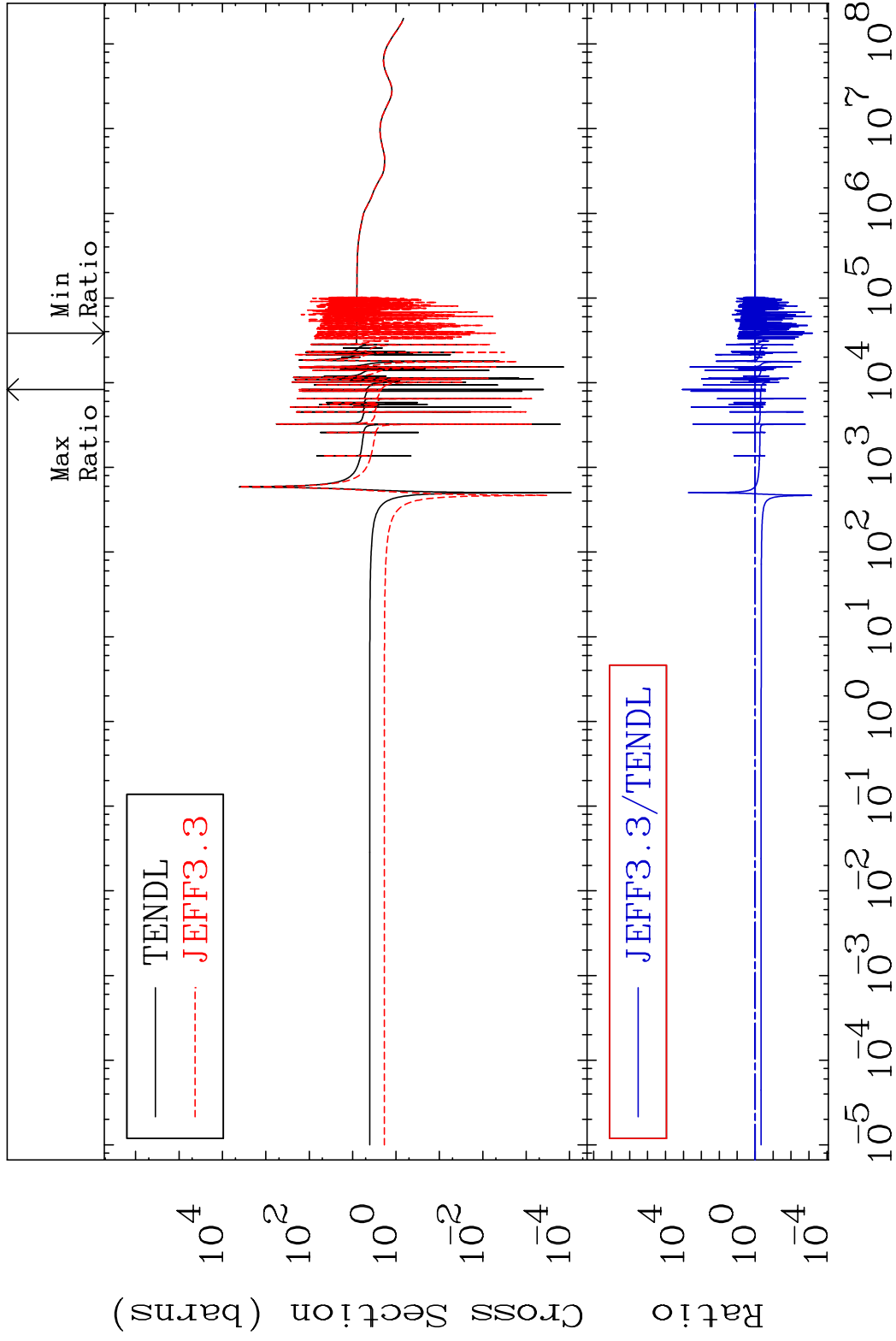
38-Sr-86

MAT 3831

Elastic

38-Sr-86

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

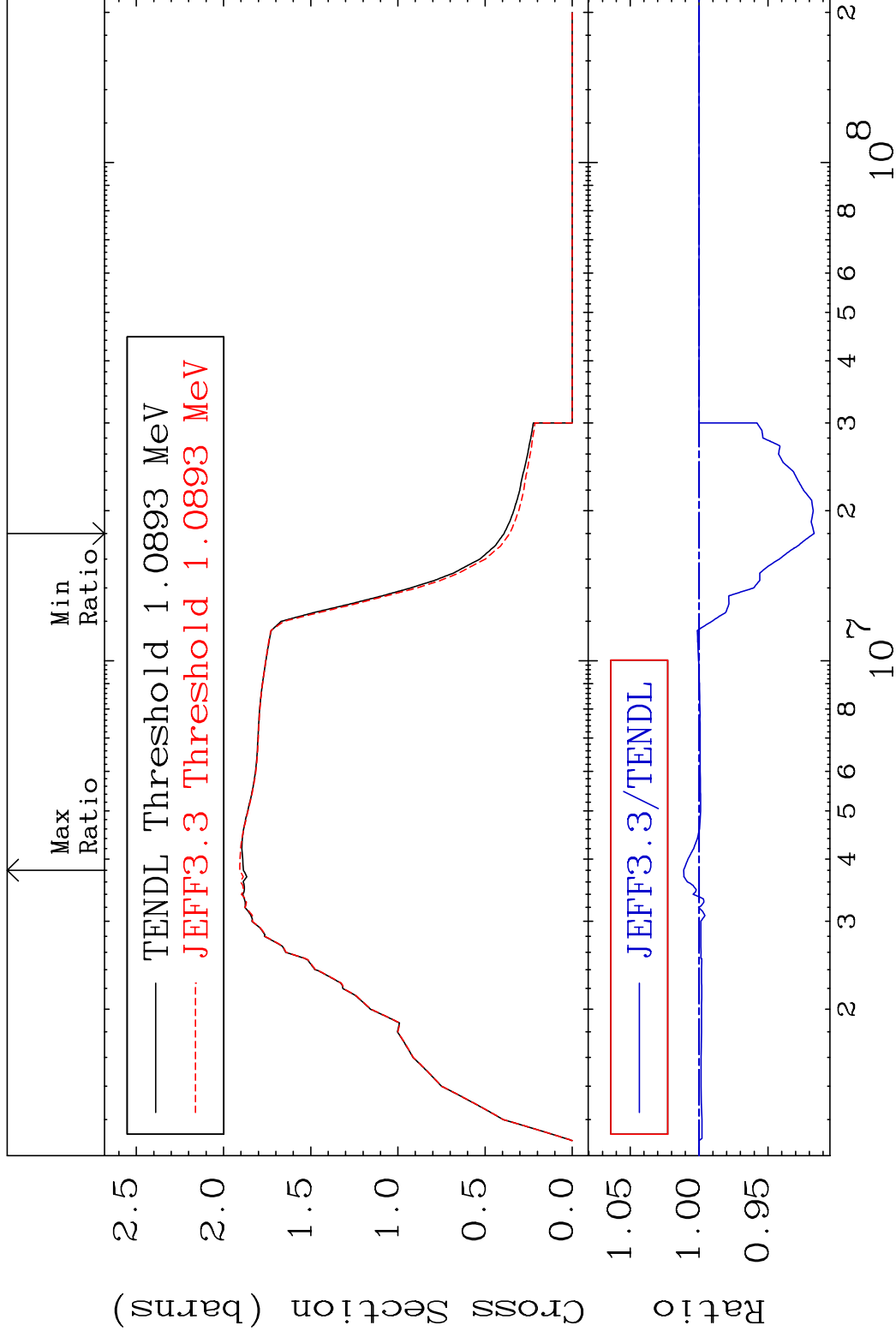
38-Sr-86

MAT 3831

Inelastic

38-Sr-86

Cross Section -8.346 To 1.117 %

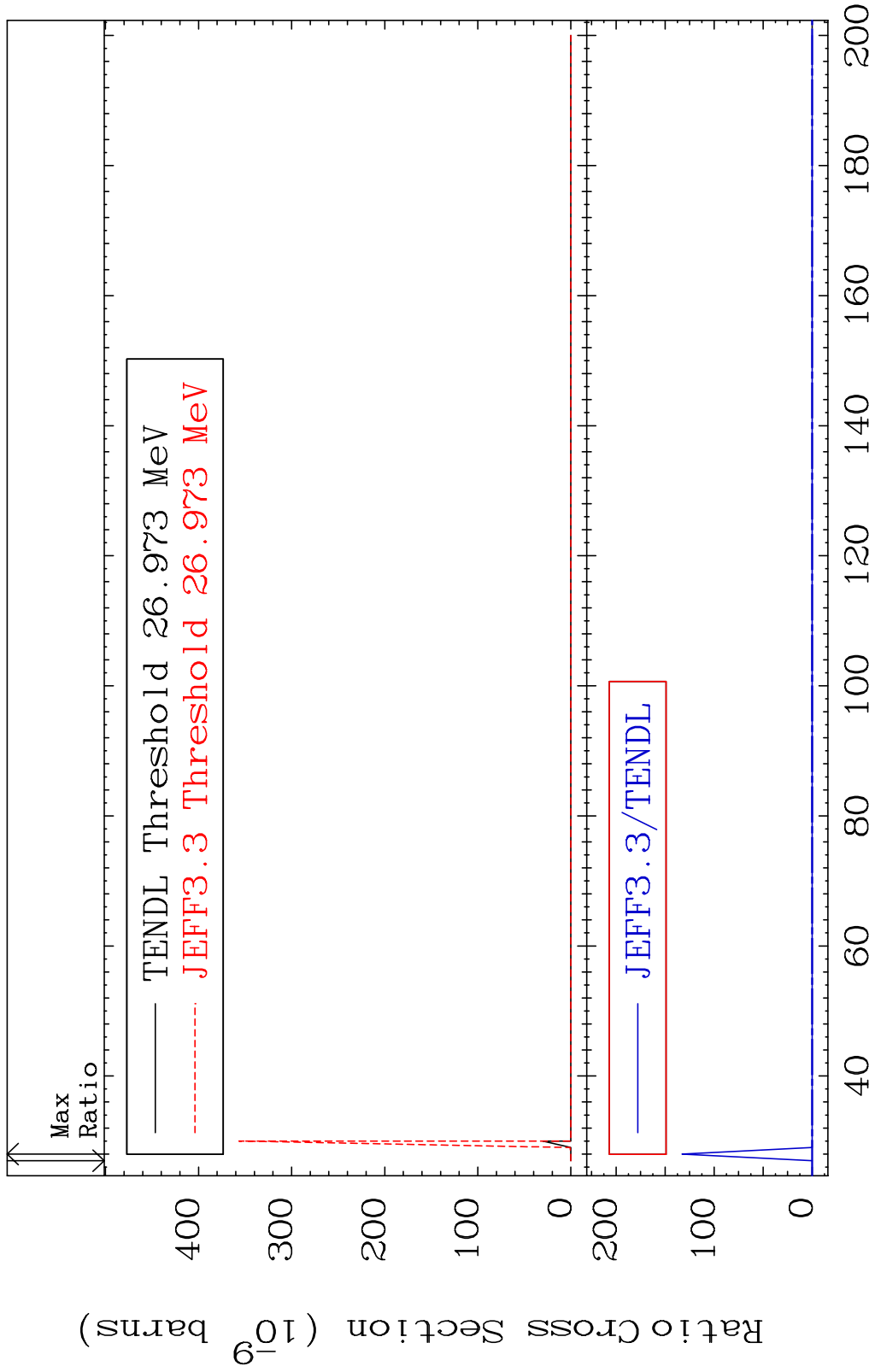


3

Incident Energy (eV)

38-Sr-86

MAT 3831 (n,2n) d 38-Sr-86
Cross Section -100.0 To 9999. %



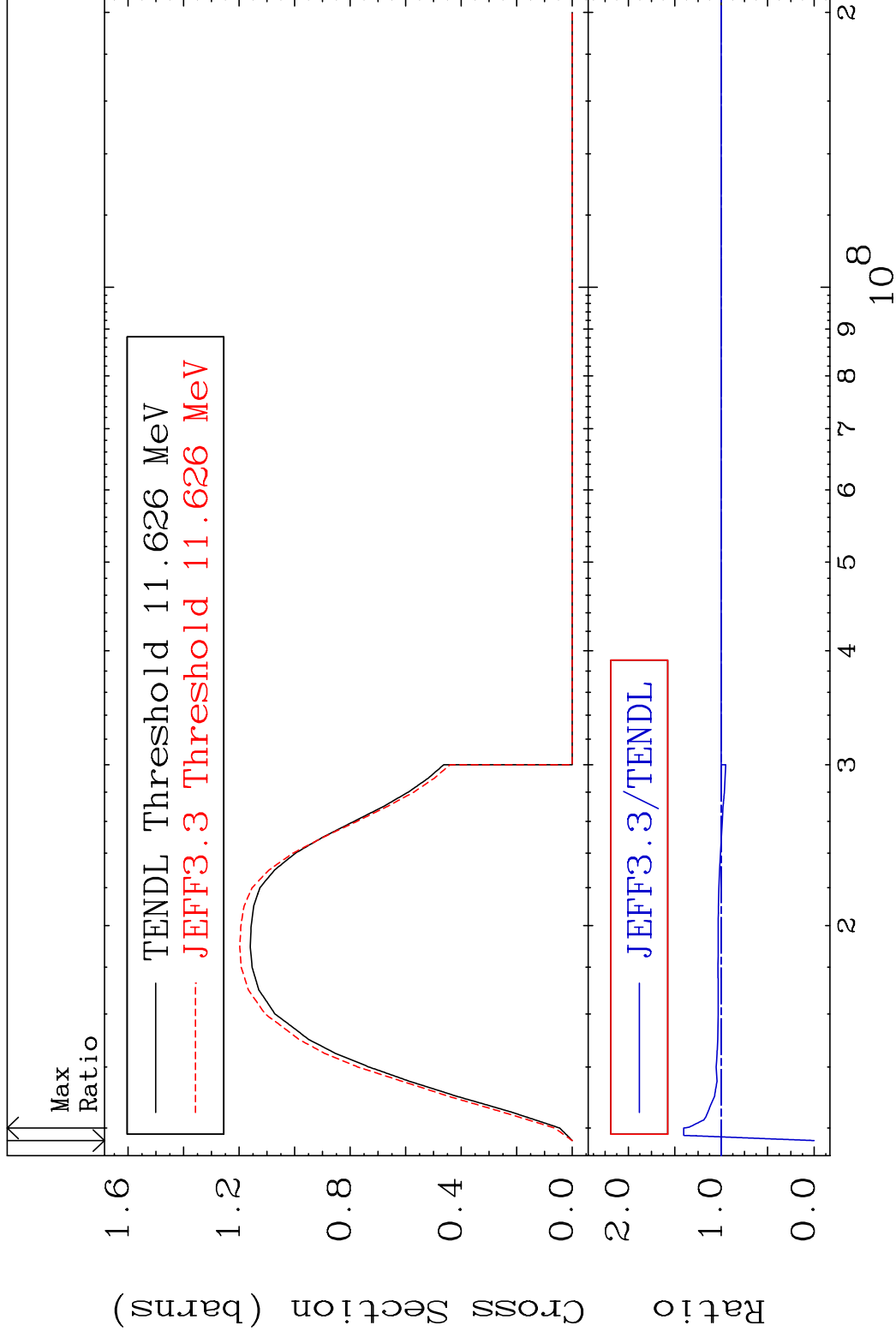
4 Incident Energy (MeV) 38-Sr-86

MAT 3831

(n,2n)

38-Sr-86

Cross Section -100.0 To 40.42 %



5

Incident Energy (eV)

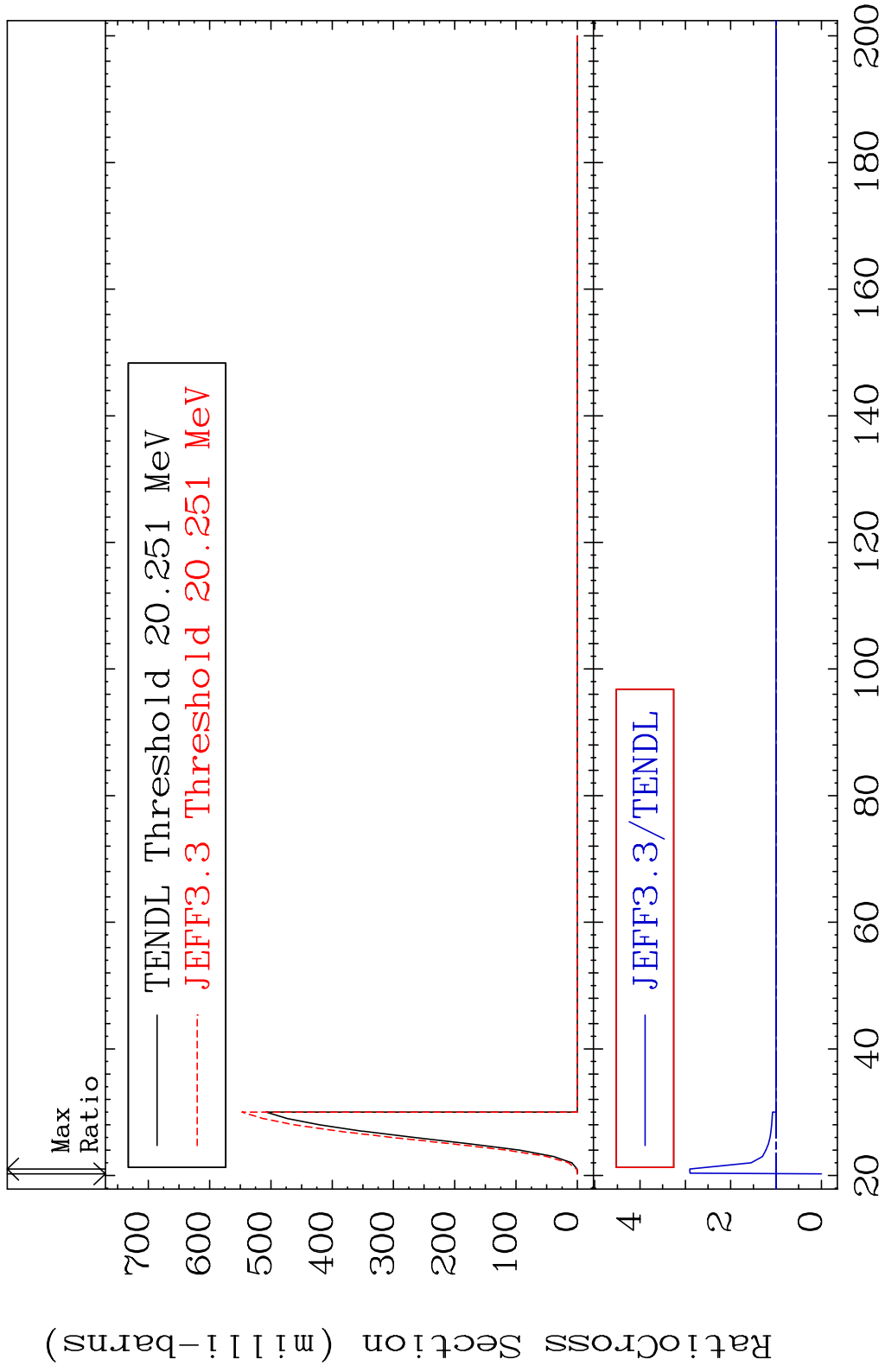
38-Sr-86

MAT 3831

(n,3n)

38-Sr-86

Cross Section -100.0 To 190.2 %

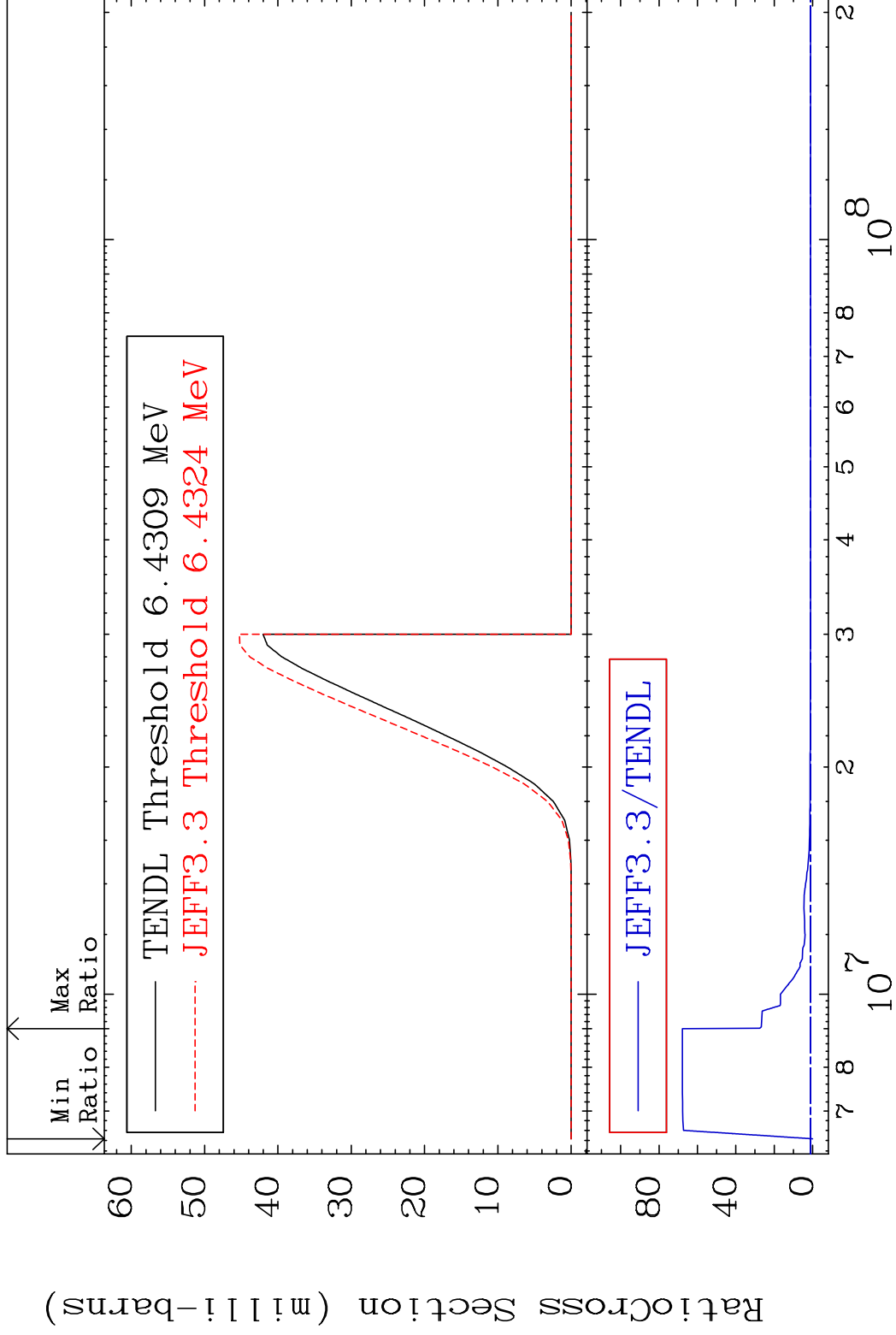


MAT 3831

(n, n') α

38-Sr-86

Cross Section -100.0 To 6686. %



7

Incident Energy (eV)

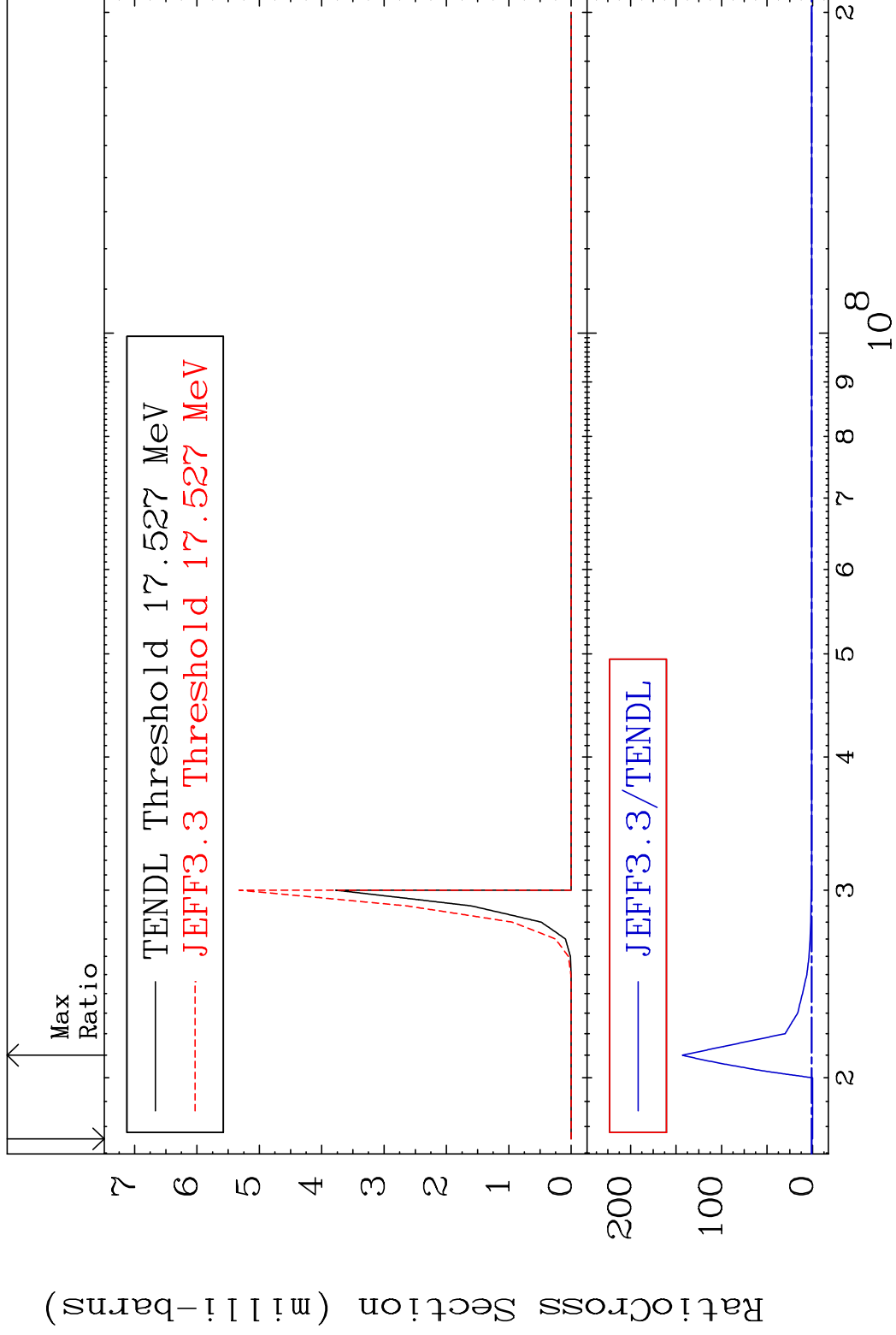
38-Sr-86

MAT 3831

(n,2n) α

38-Sr-86

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

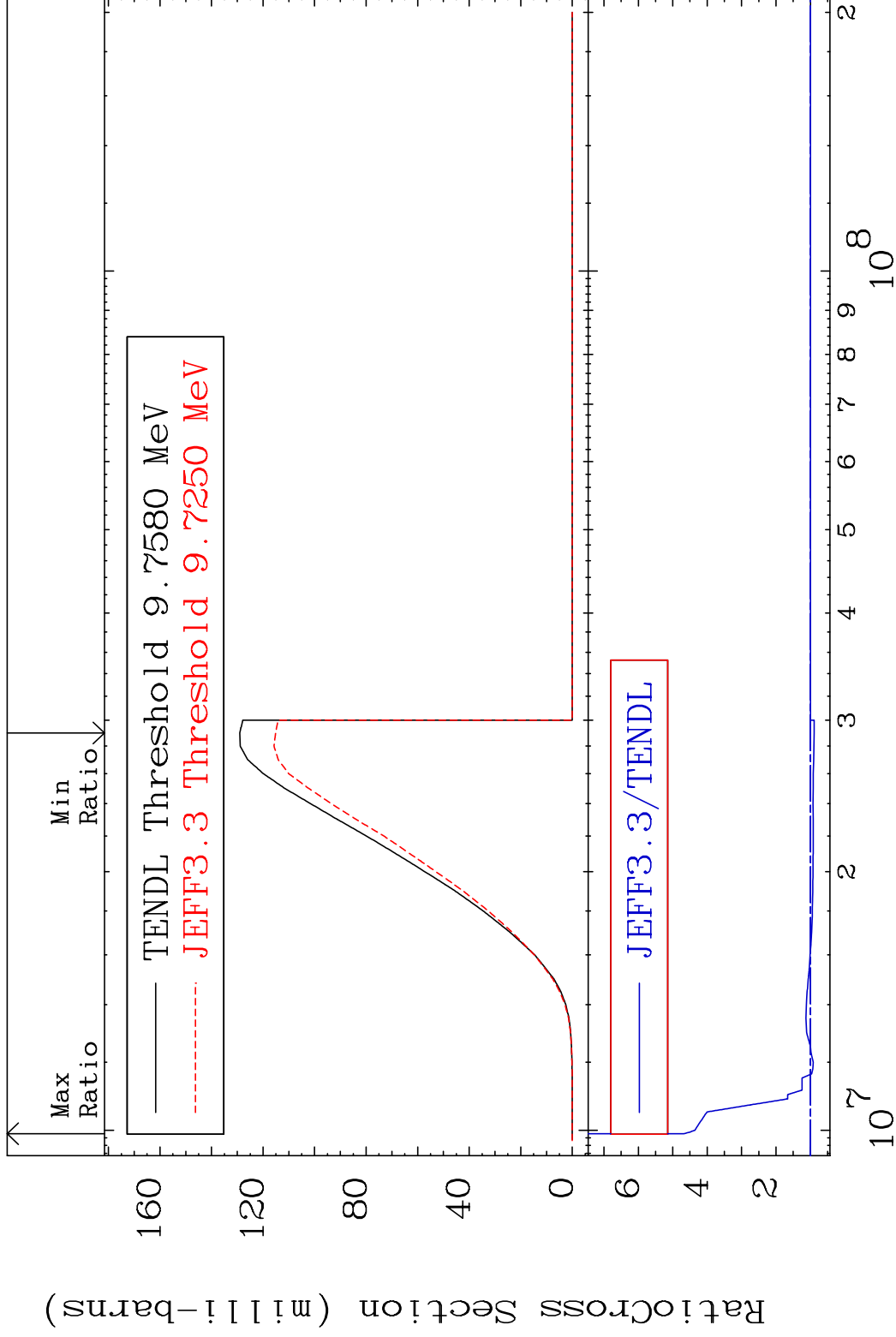
38-Sr-86

MAT 3831

(n, n') p

38-Sr-86

Cross Section -10.78 To 368.3 %



9

Incident Energy (eV)

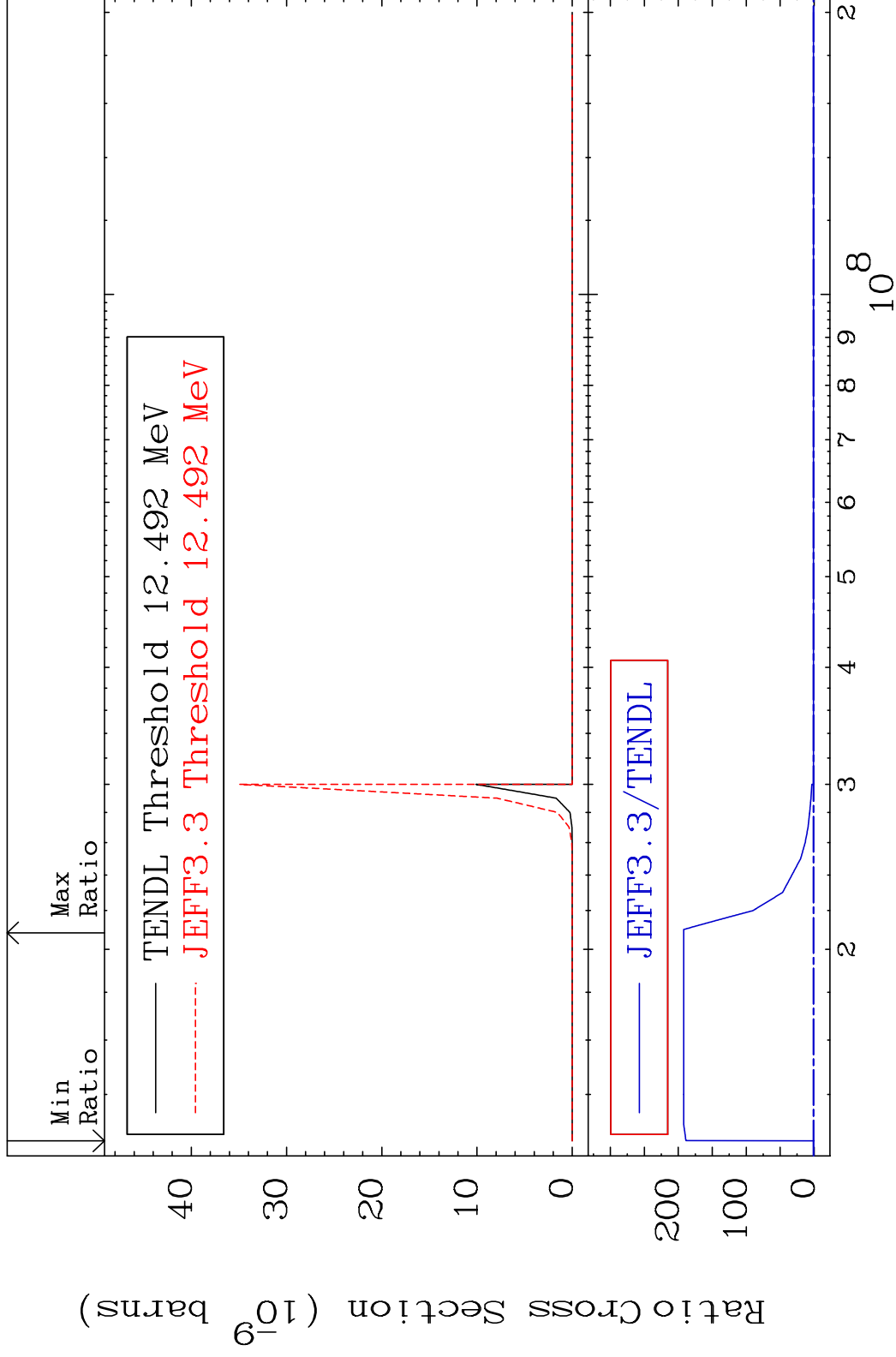
38-Sr-86

MAT 3831

(n, n') 2 α

38-Sr-86

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

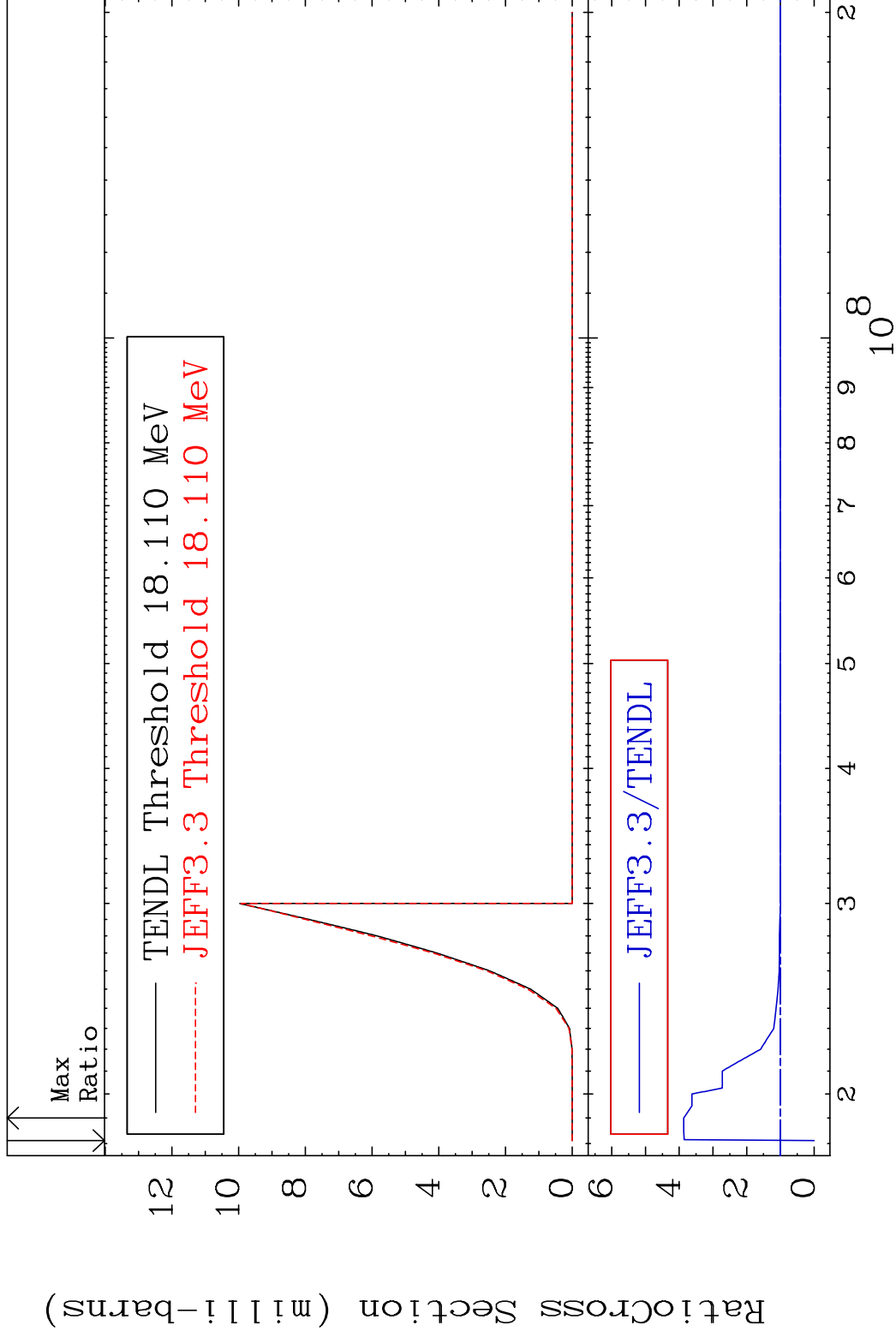
38-Sr-86

MAT 3831

(n, n') d

38-Sr-86

Cross Section -100.0 To 286.9 %



11

Incident Energy (eV)

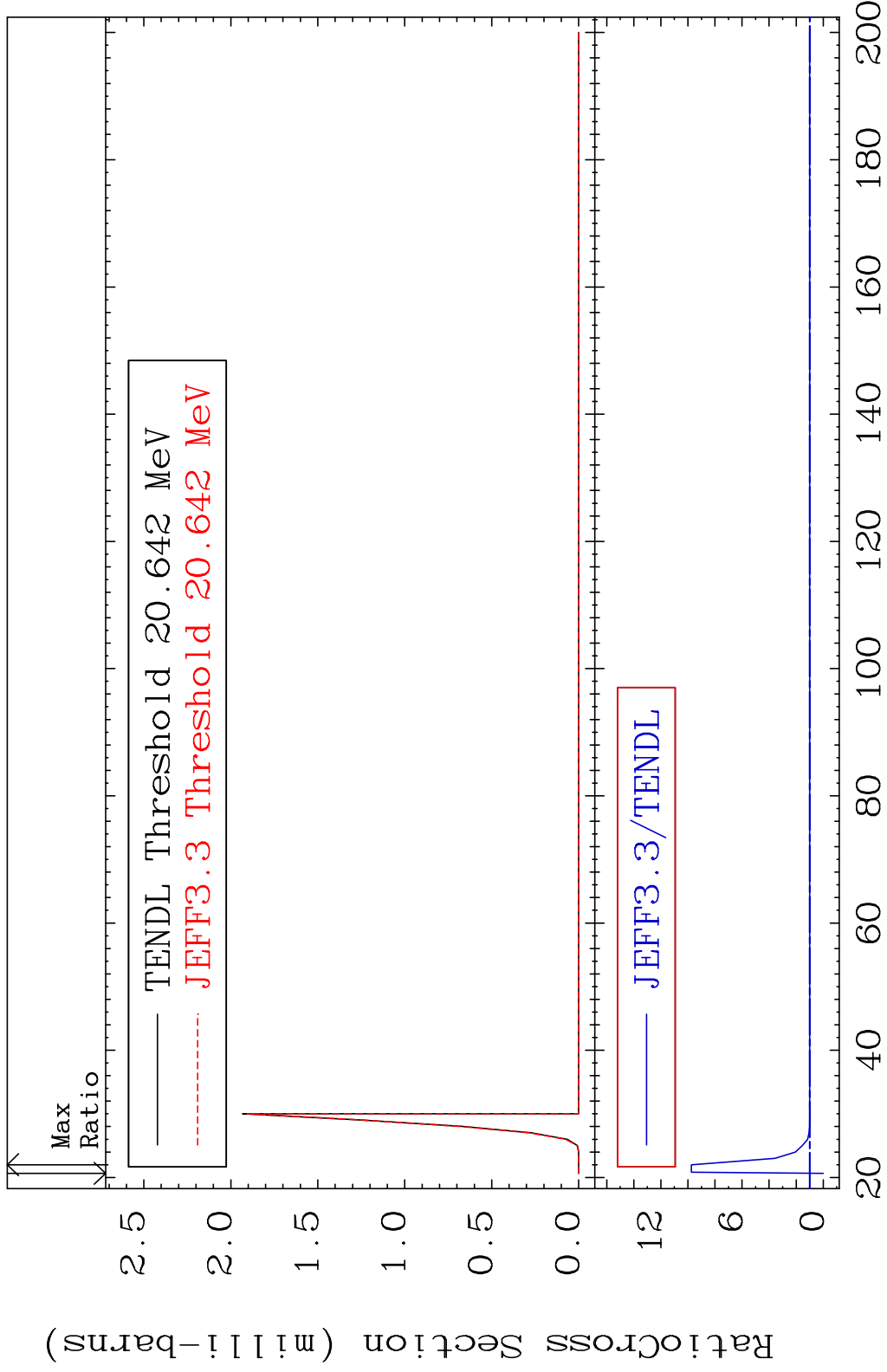
38-Sr-86

MAT 3831

(n, n') t

38-Sr-86

Cross Section -100.0 To 874.7 %



12

Incident Energy (MeV)

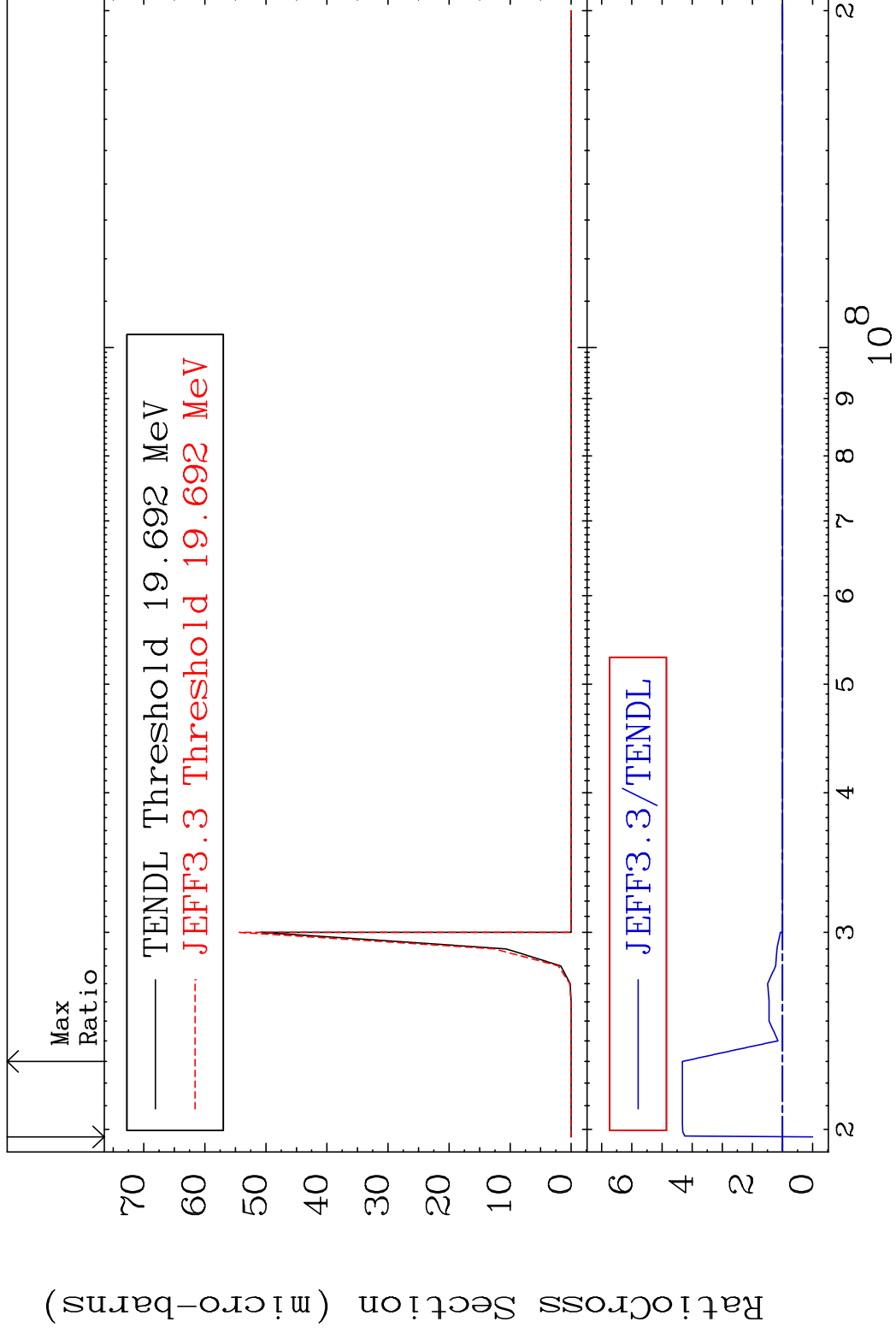
38-Sr-86

MAT 3831

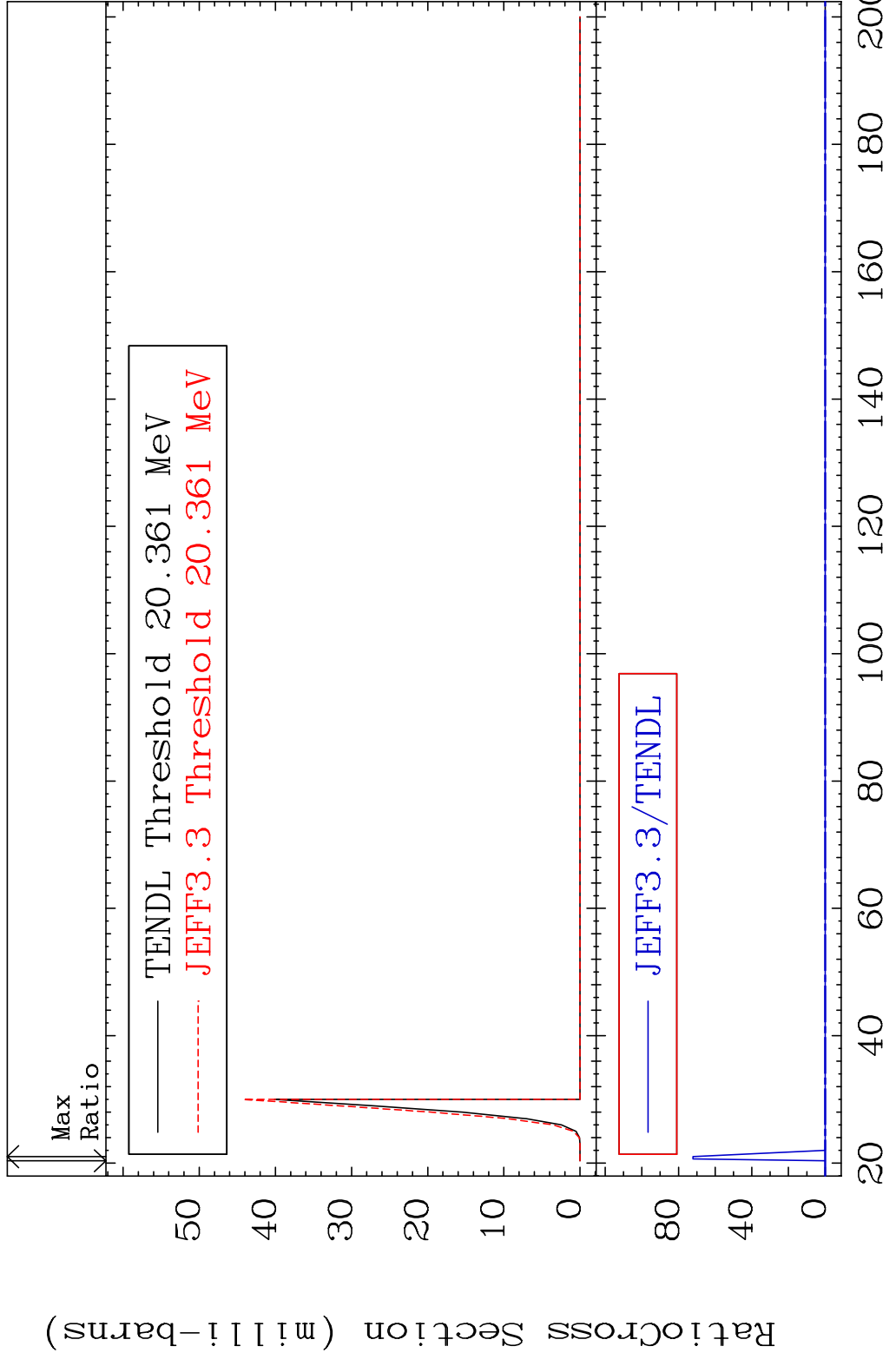
(n,n') He-3

38-Sr-86

Cross Section -100.0 To 332.4 %



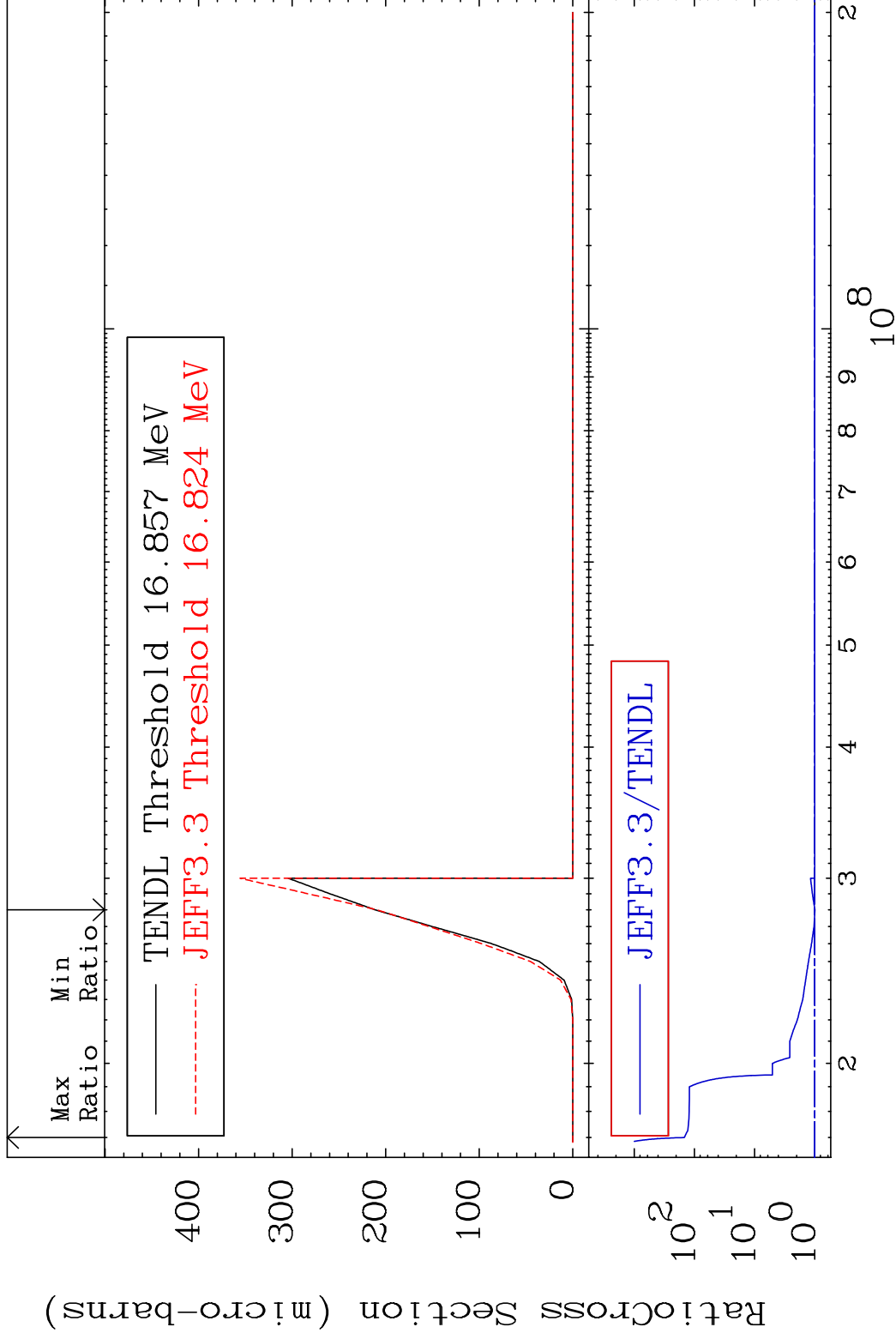
MAT 3831 (n,2n) p 38-Sr-86
 Cross Section -100.0 To 9999. %



MAT 3831

(n,2n) p 38-Sr-86

Cross Section -0.938 To 9999. %



15

Incident Energy (eV)

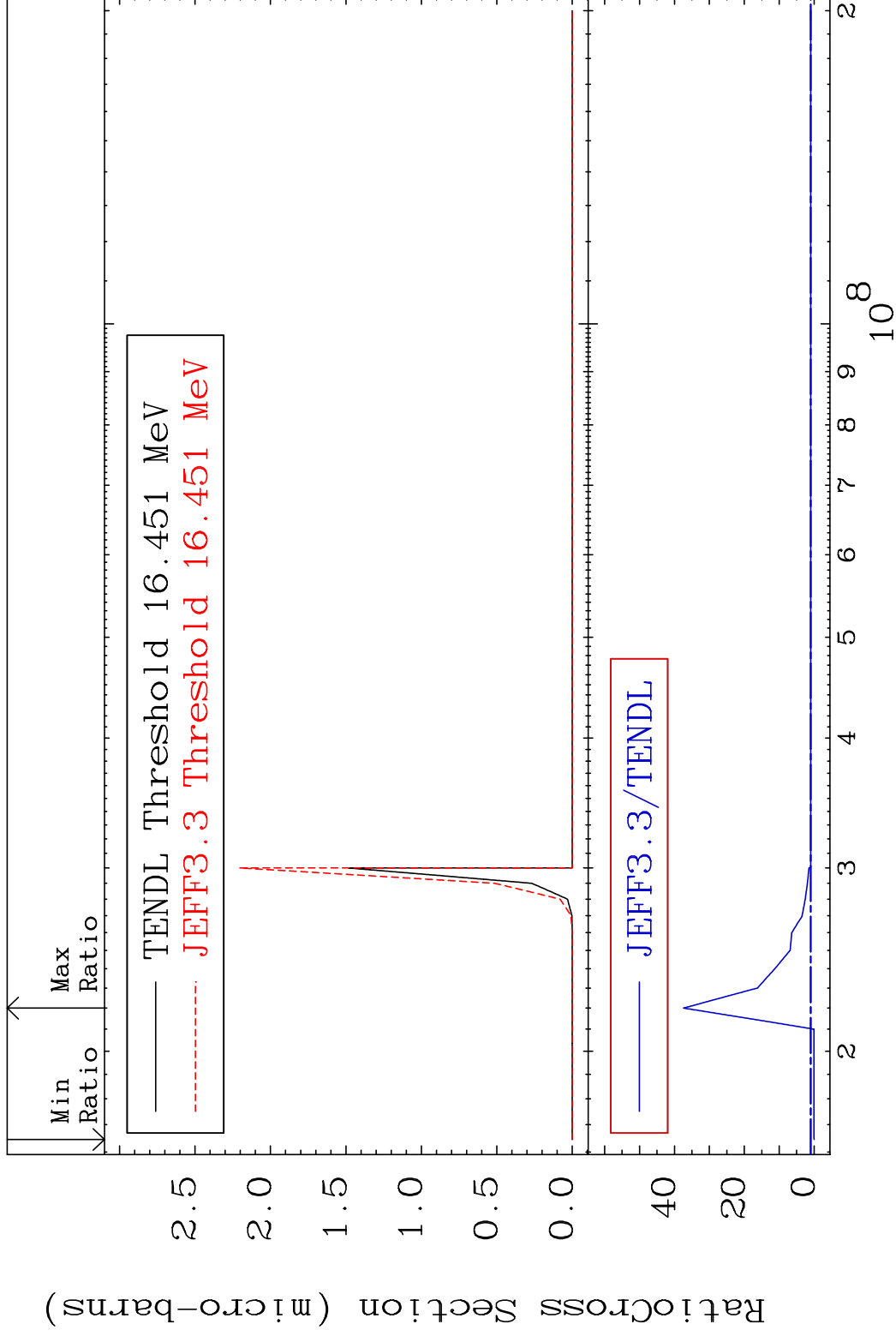
38-Sr-86

MAT 3831

(n,n') p α

38-Sr-86

Cross Section -100.0 To 3637. %



16

Incident Energy (eV)

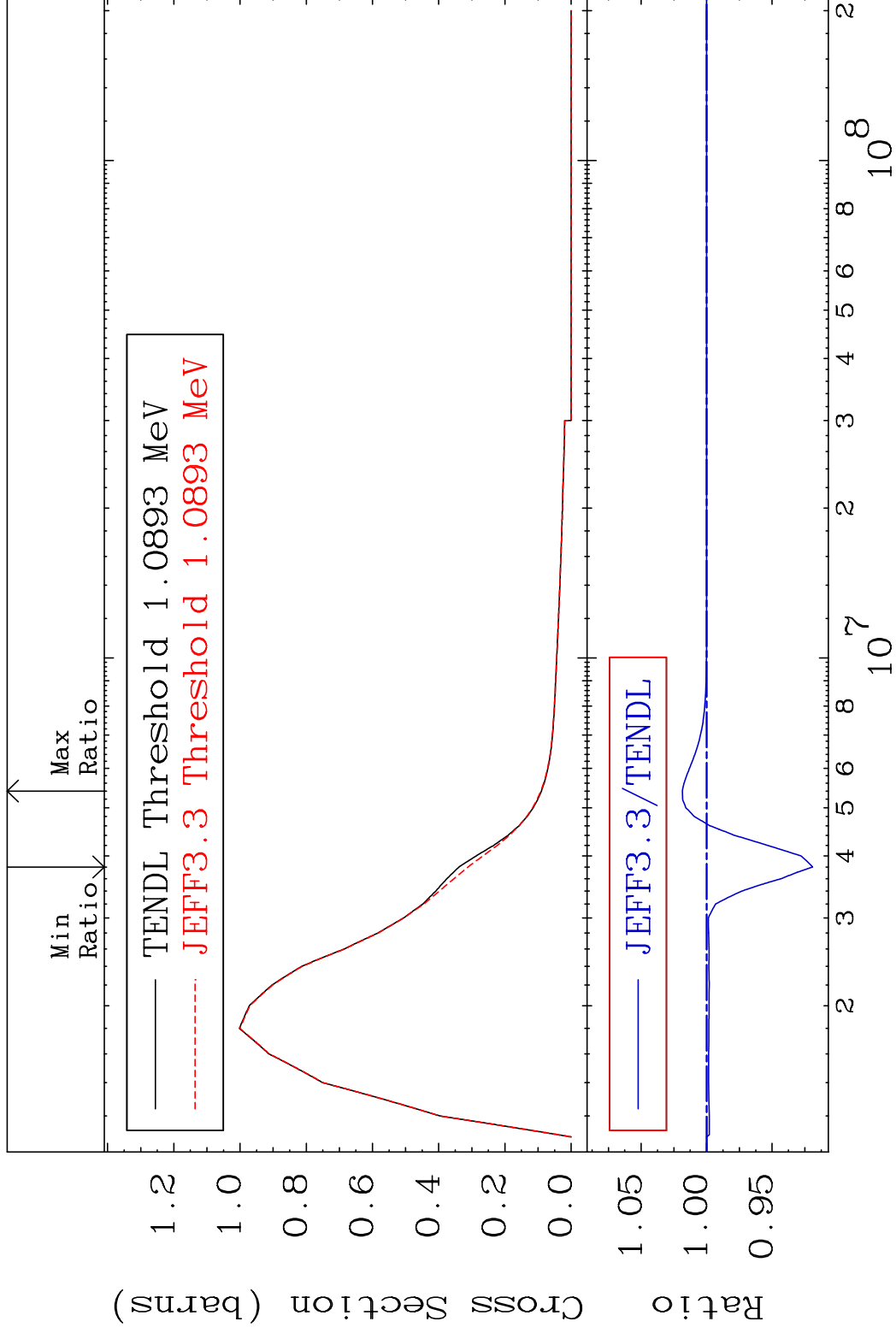
38-Sr-86

MAT 3831

MT= 51 (n,n') Level

38-Sr-86

Cross Section -8.093 To 1.853 %

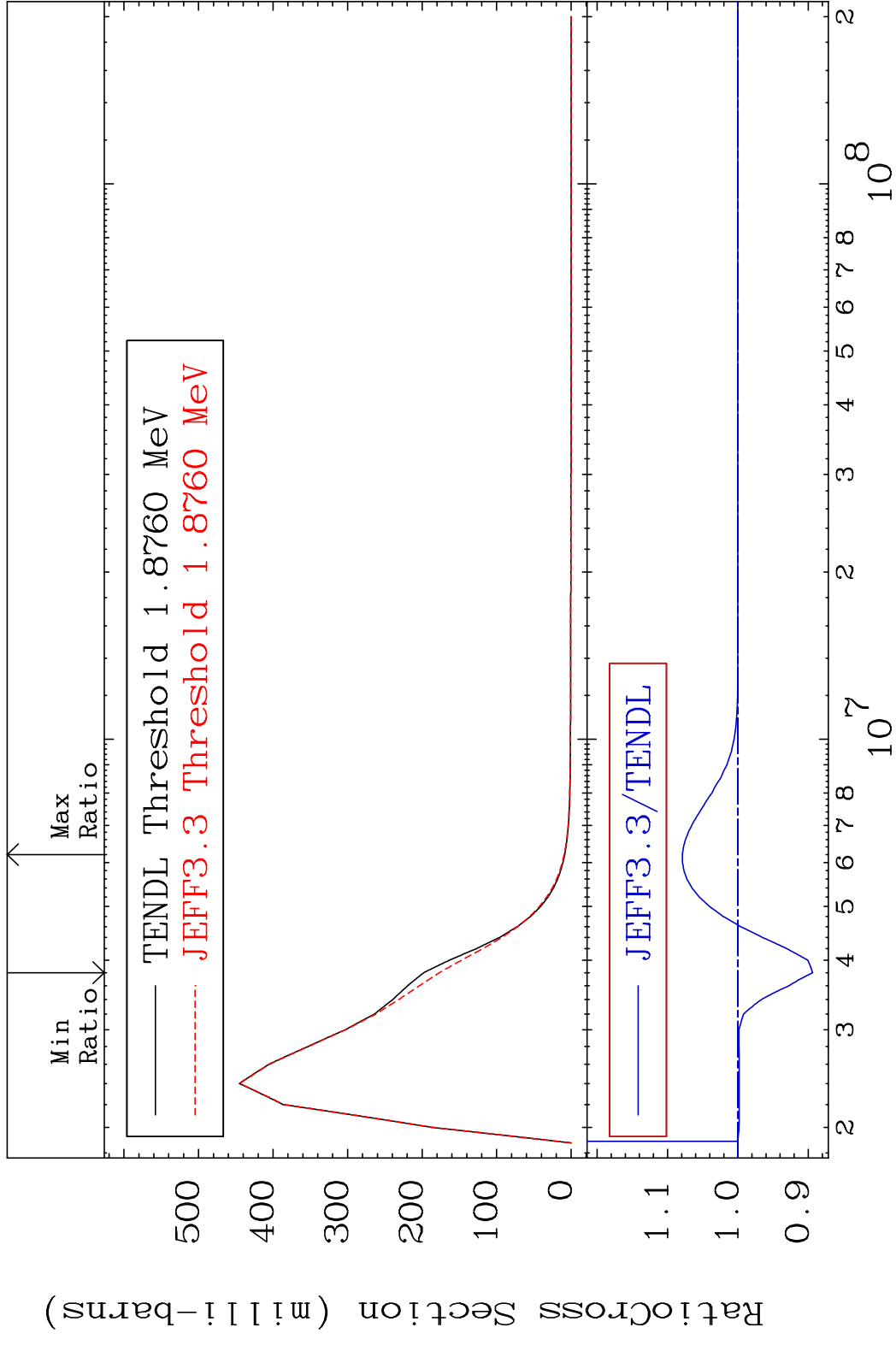


17

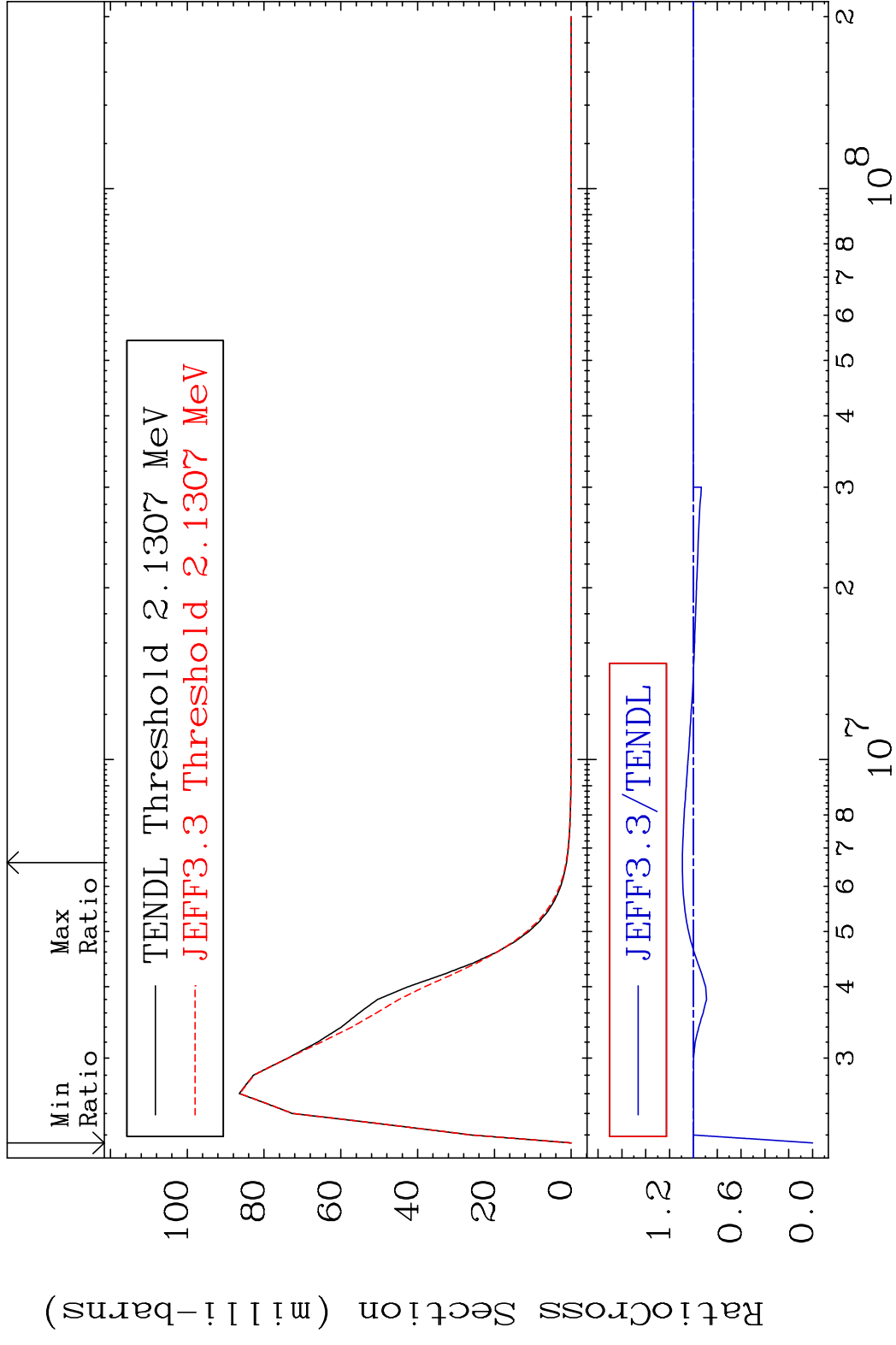
Incident Energy (eV)

38-Sr-86

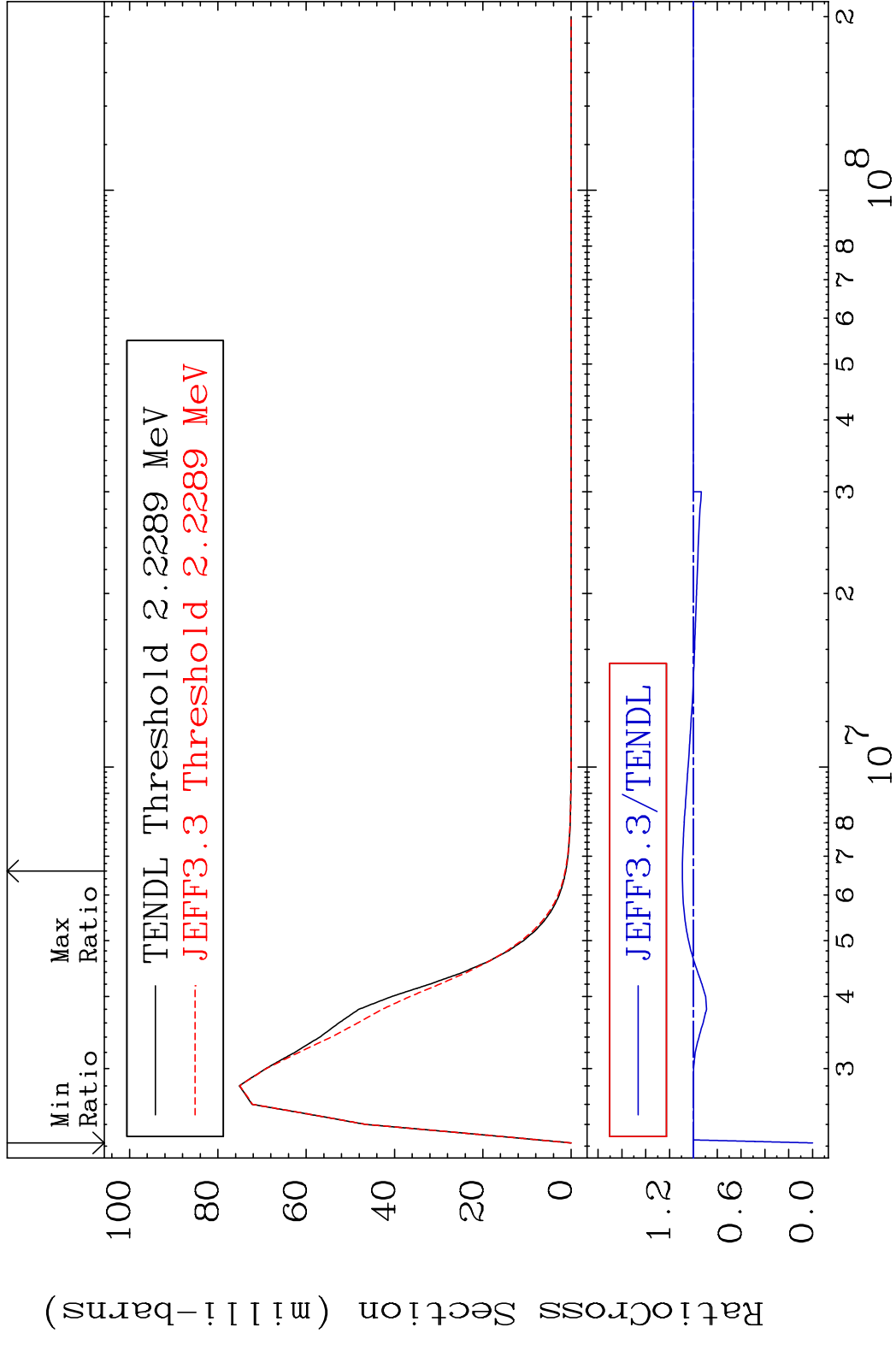
MAT 3831 MT= 52 (n, n') Level 38-Sr-86
 Cross Section -10.61 To 7.893 %



MAT 3831 MT= 53 (n, n') Level 38-Sr-86
 Cross Section -100.0 To 9.276 %

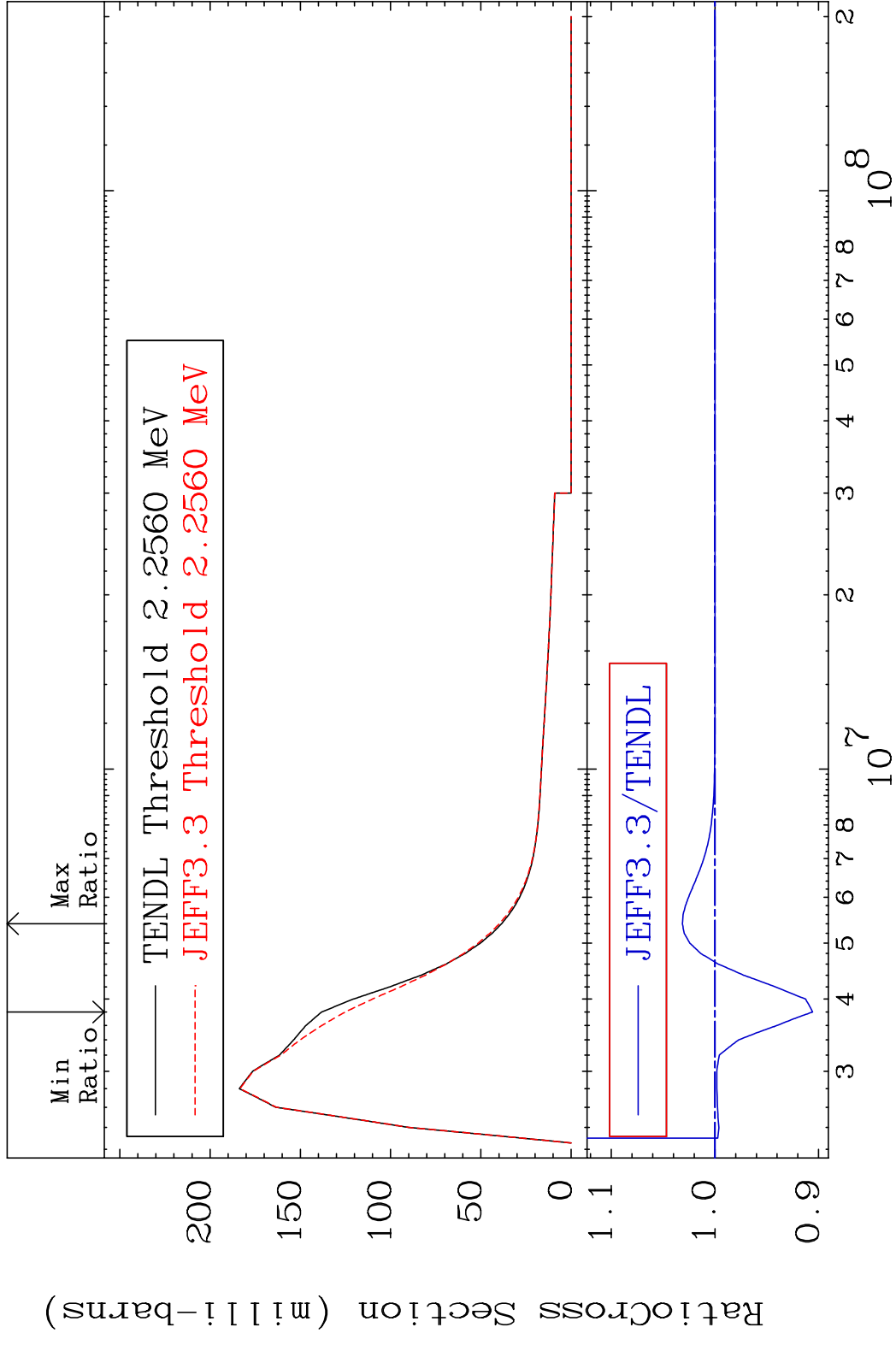


MAT 3831 MT= 54 (n, n') Level 38-Sr-86
 Cross Section -100.0 To 9.281 %

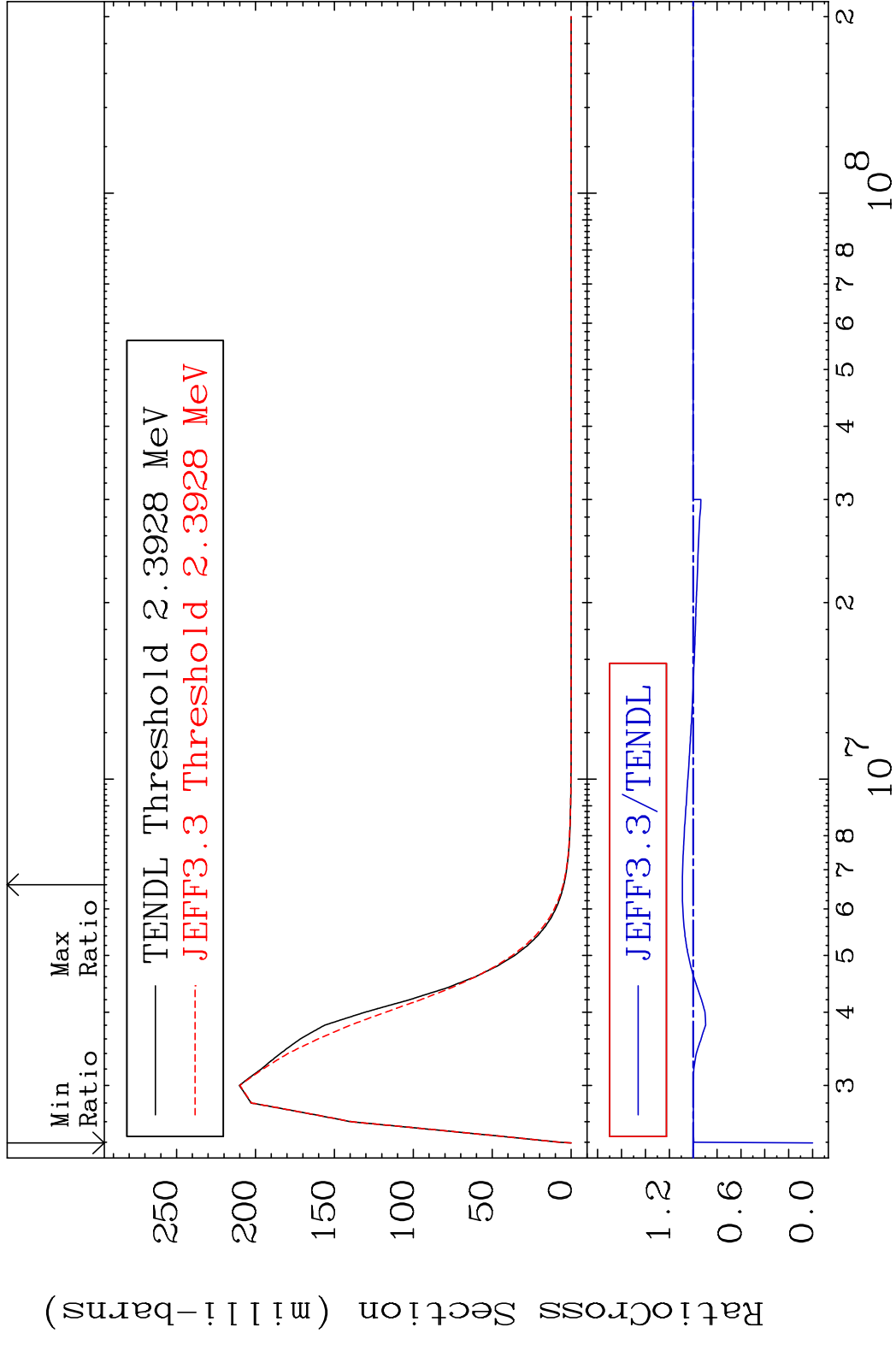


20 30 40 50 60 70 80 10⁷ 10⁸ 38-Sr-86

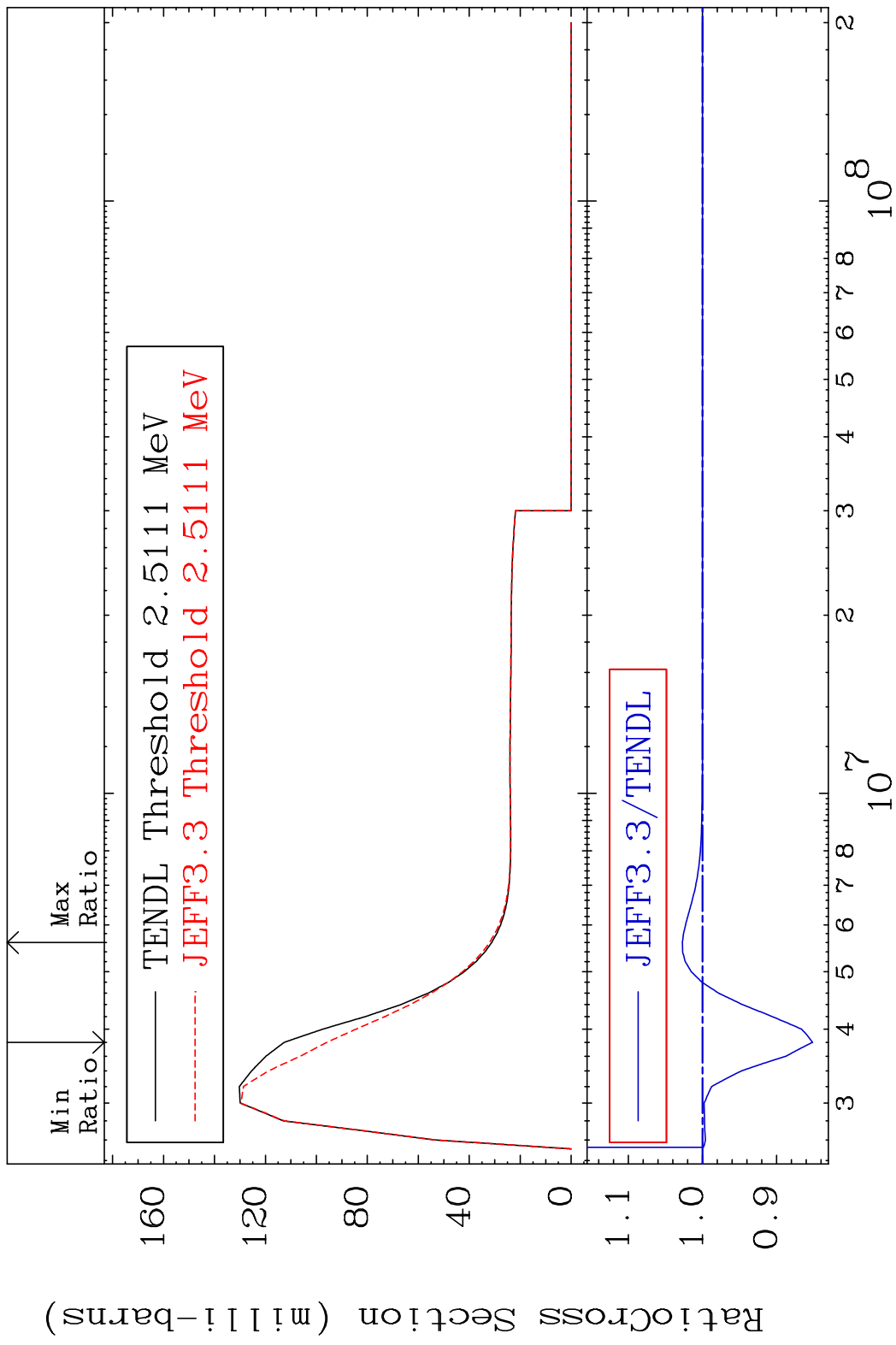
MAT 3831 MT= 55 (n, n') Level 38-Sr-86
 Cross Section -9.417 To 3.145 %



MAT 3831 MT= 56 (n,n') Level 38-Sr-86
 Cross Section -100.0 To 9.060 %



MAT 3831 MT= 57 (n, n') Level 38-Sr-86
 Cross Section -14.86 To 2.707 %

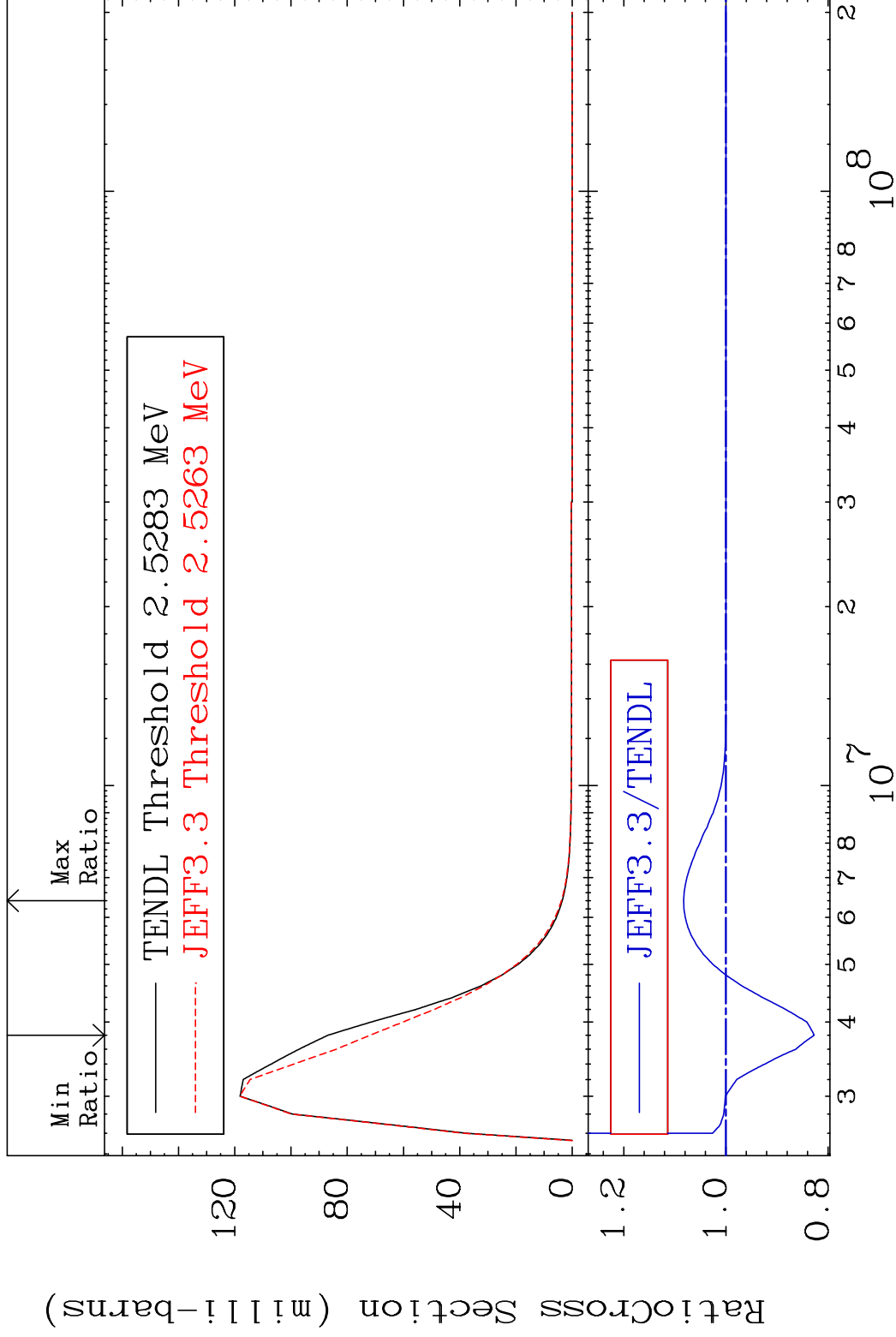


MAT 3831

MT= 58 (n, n') Level

38-Sr-86

Cross Section -17.28 To 8.267 %

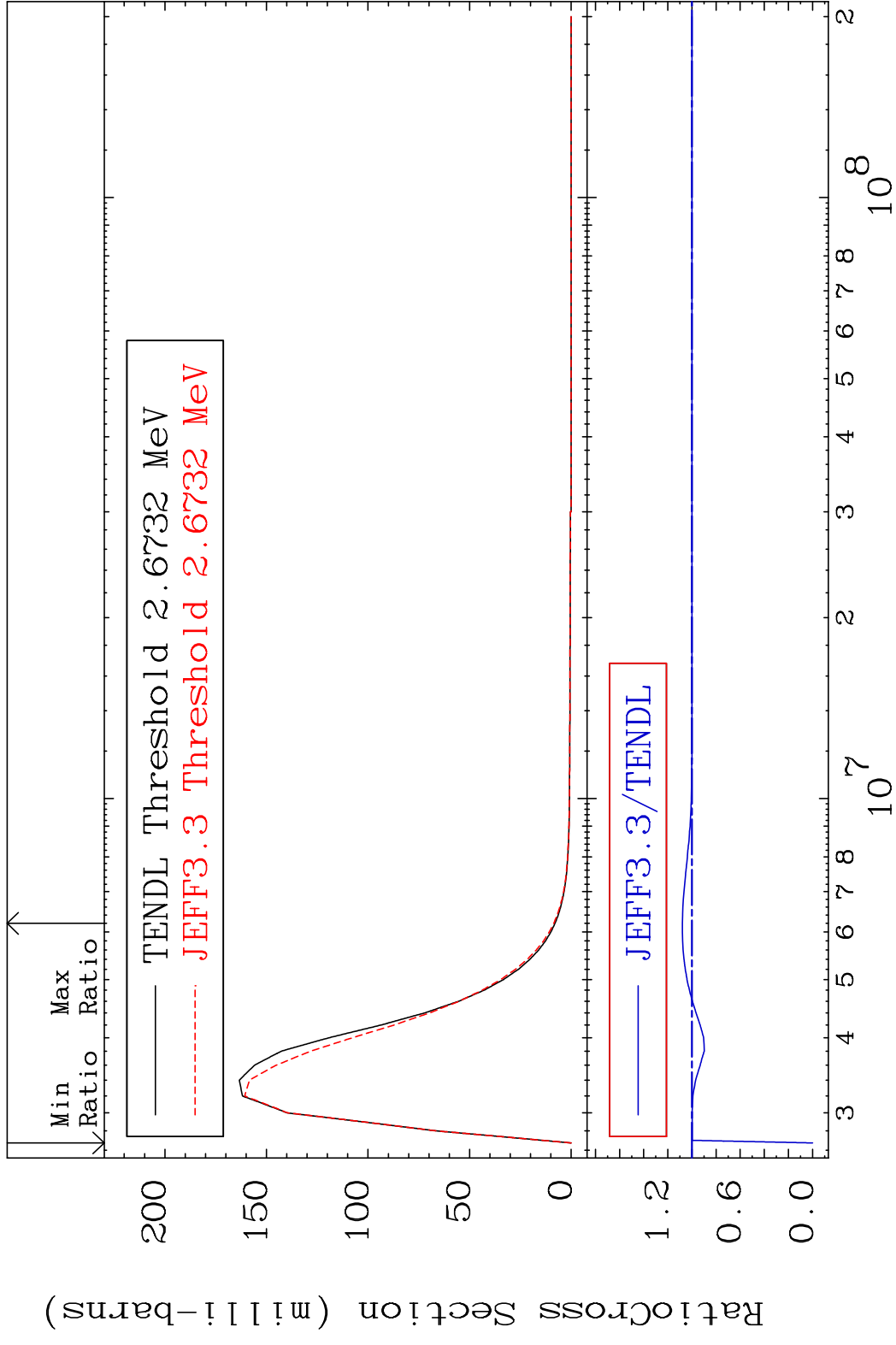


24

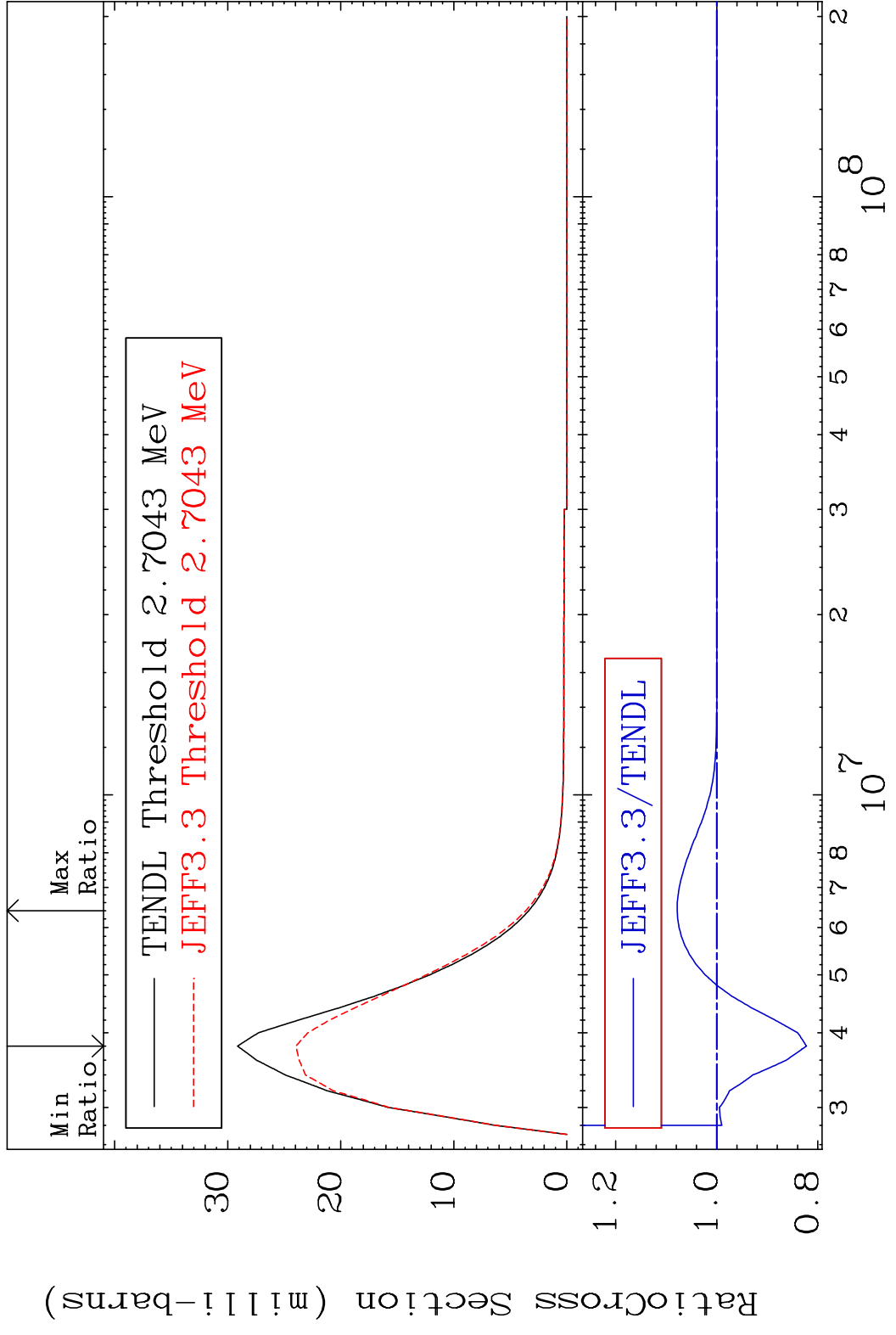
Incident Energy (eV)

38-Sr-86

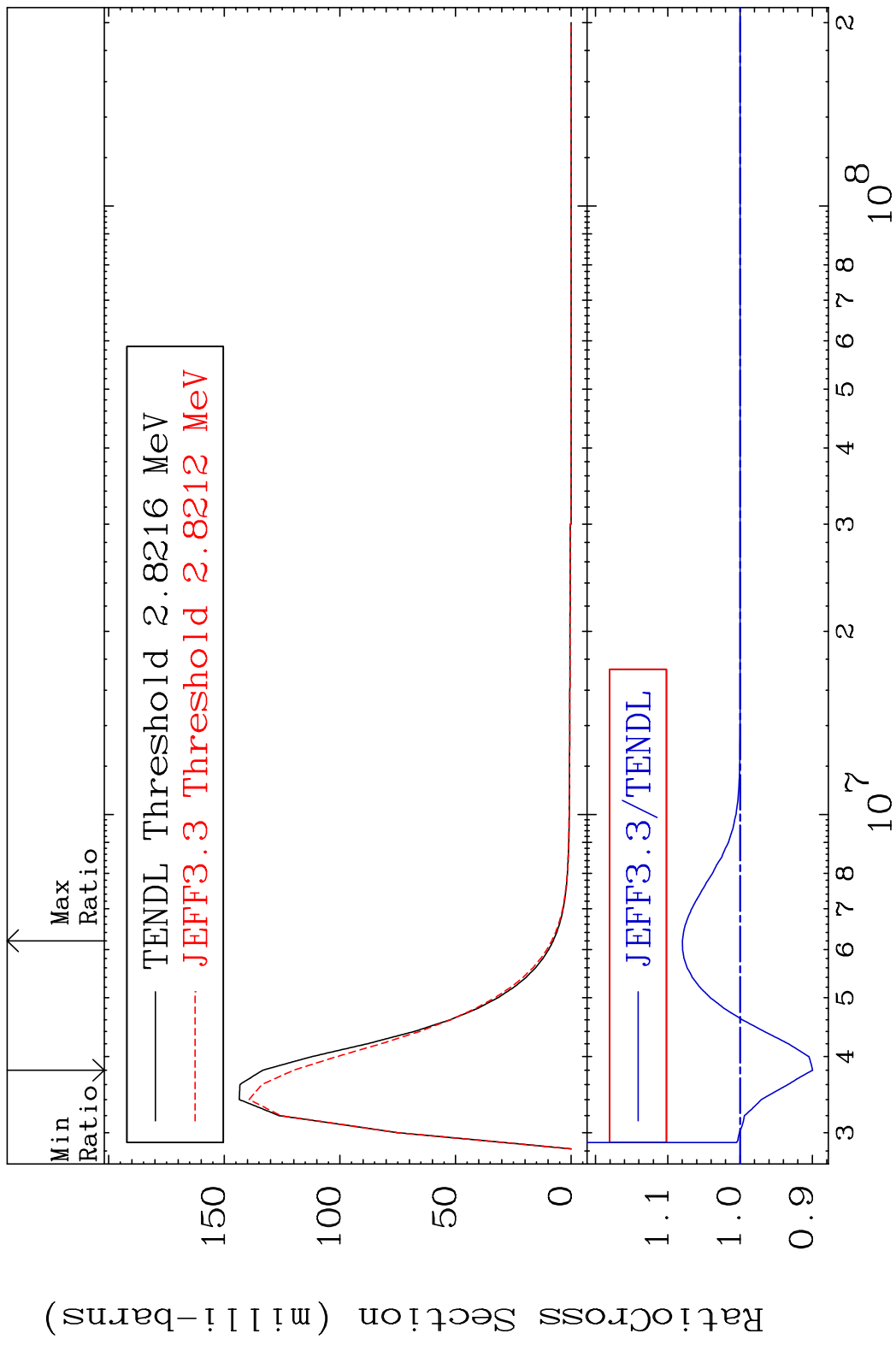
MAT 3831 MT= 59 (n, n') Level 38-Sr-86
 Cross Section -100.0 To 7.965 %



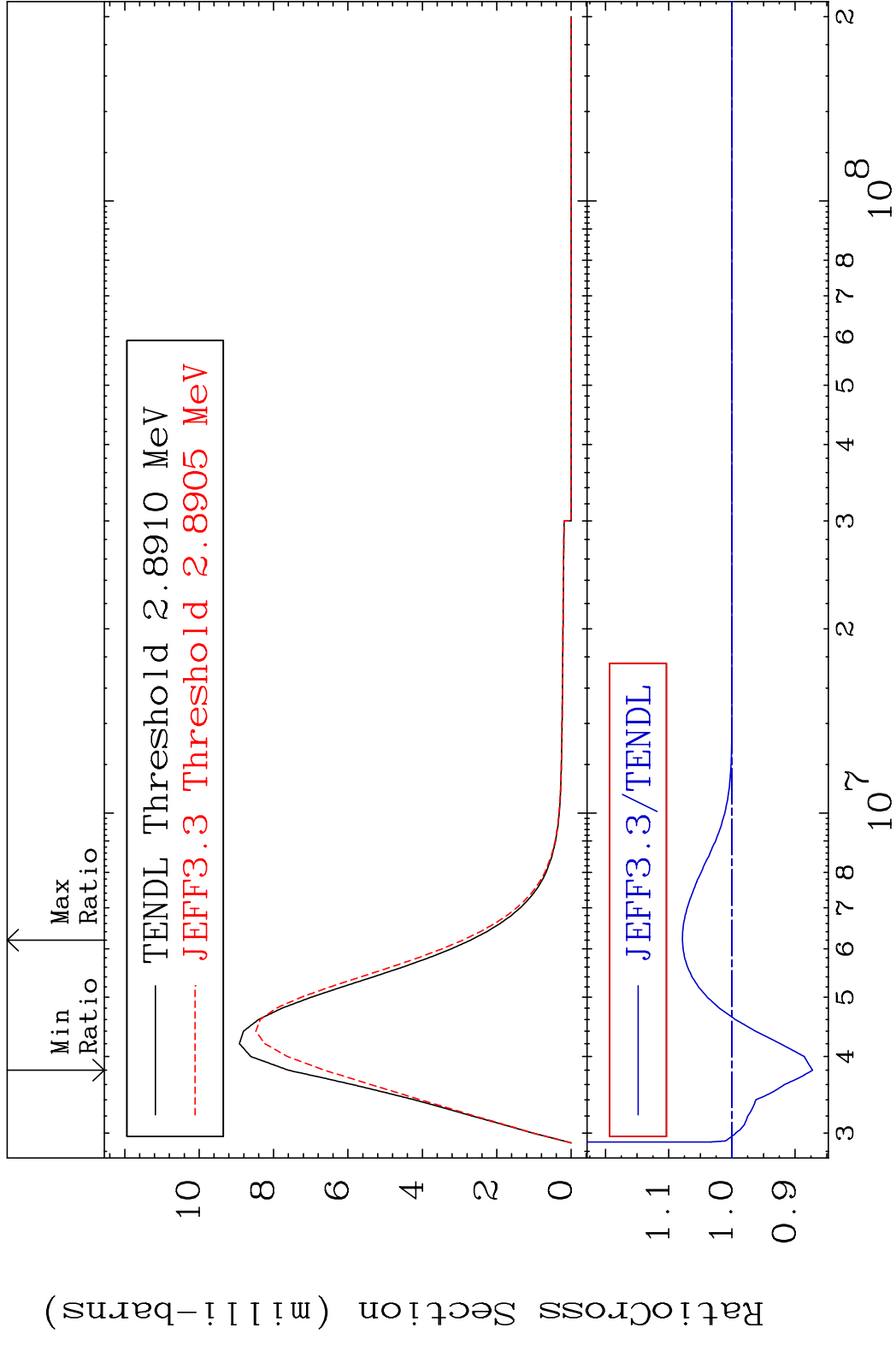
MAT 3831 MT= 60 (n, n') Level 38-Sr-86
 Cross Section -17.75 To 7.830 %



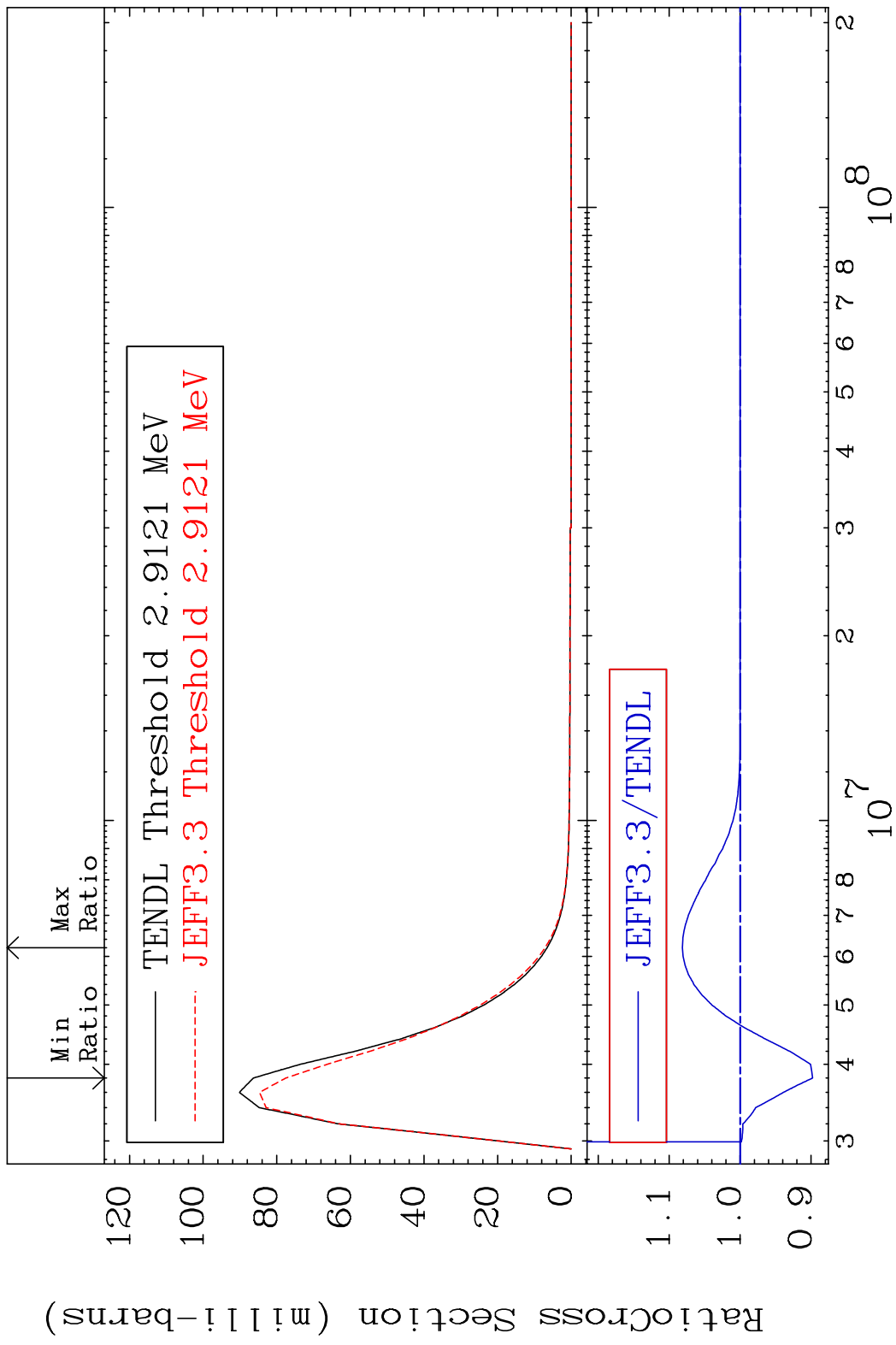
MAT 3831 MT= 61 (n, n') Level 38-Sr-86
 Cross Section -10.04 To 7.988 %



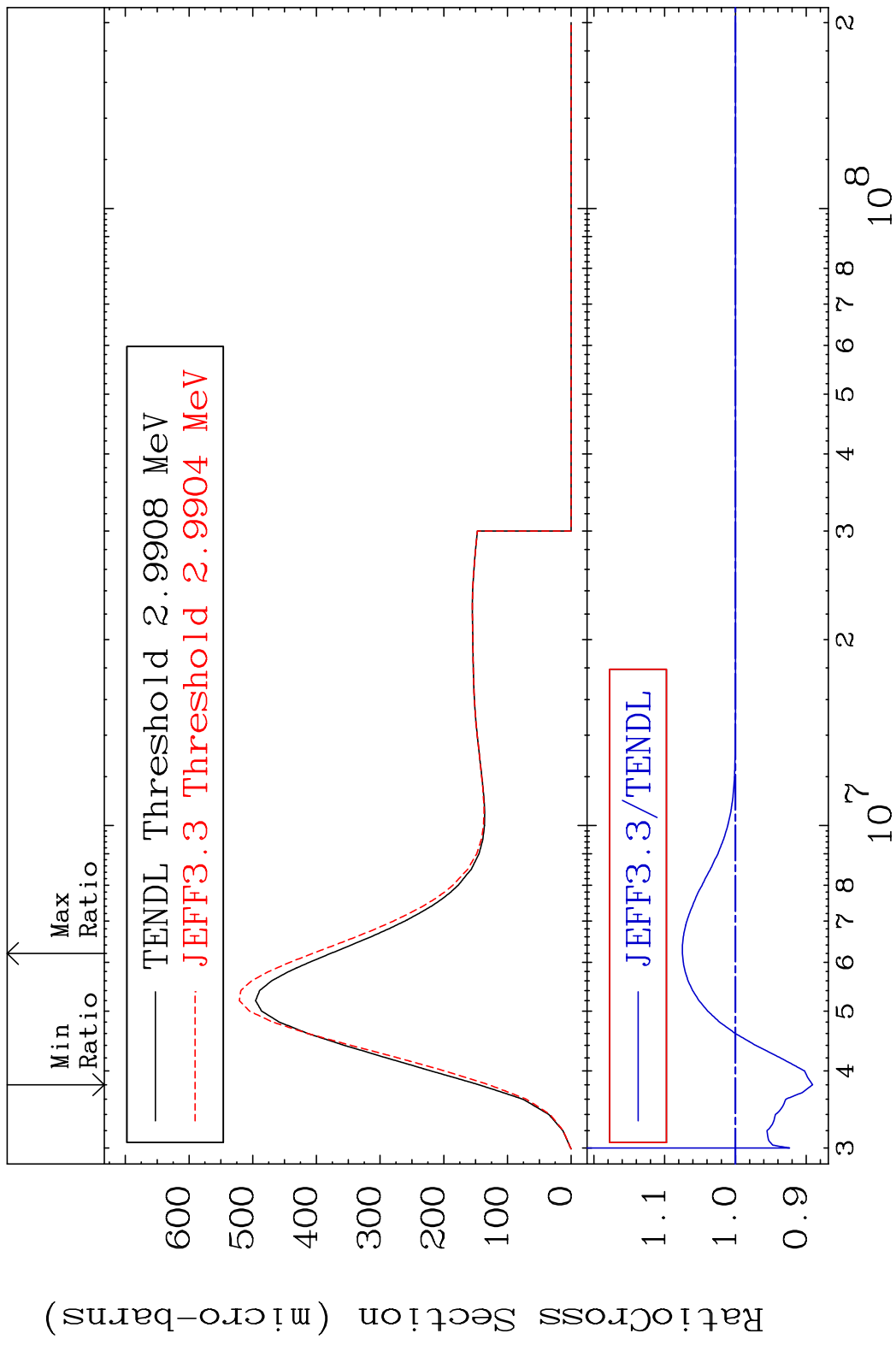
MAT 3831 MT= 62 (n, n') Level 38-Sr-86
 Cross Section -12.76 To 7.841 %



MAT 3831 MT= 63 (n, n') Level 38-Sr-86
 Cross Section -10.20 To 8.146 %



MAT 3831 MT= 64 (n, n') Level 38-Sr-86
 Cross Section -10.89 To 7.498 %



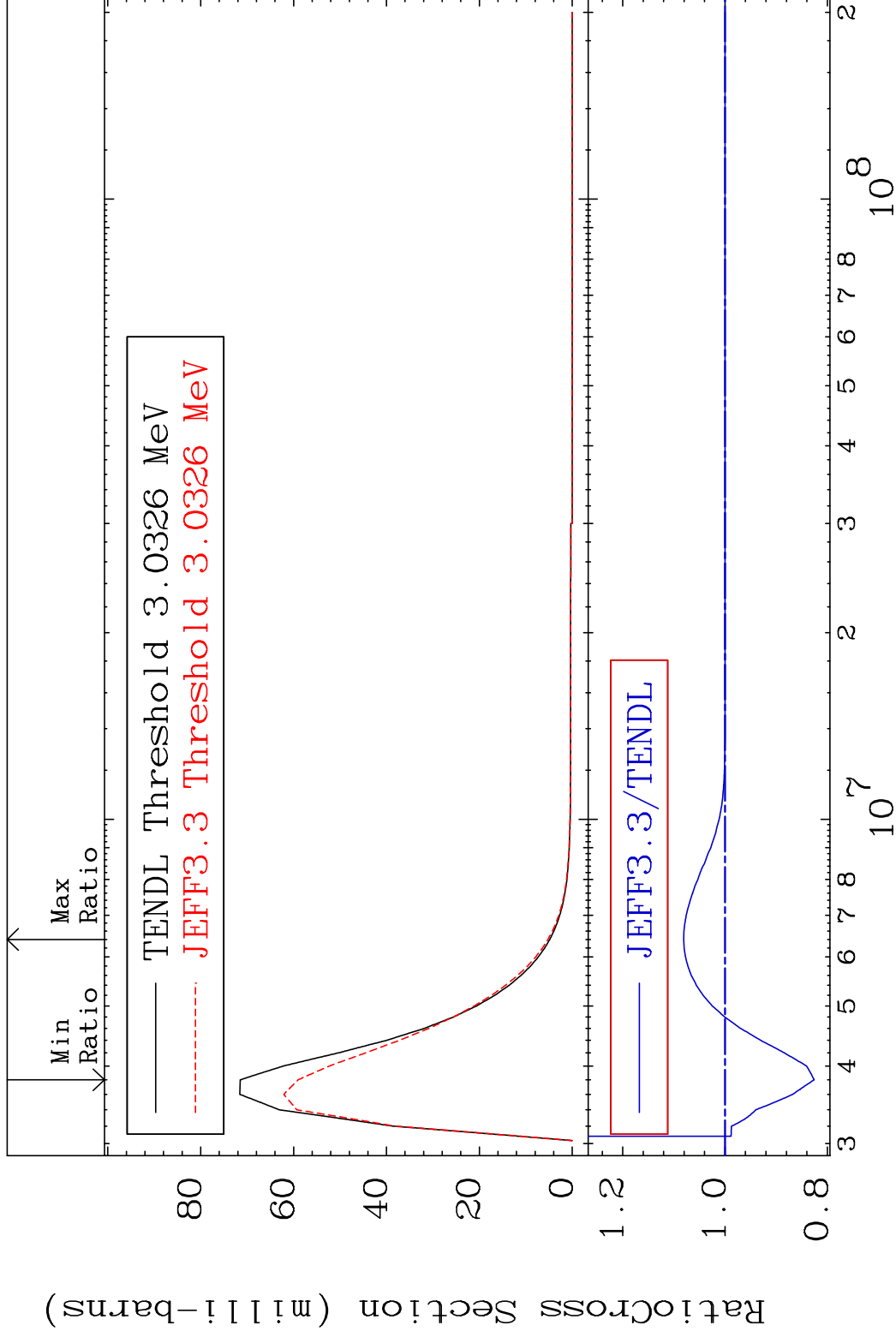
30 Incident Energy (eV) 38-Sr-86

MAT 3831

MT= 65 (n,n') Level

38-Sr-86

Cross Section -17.42 To 8.086 %

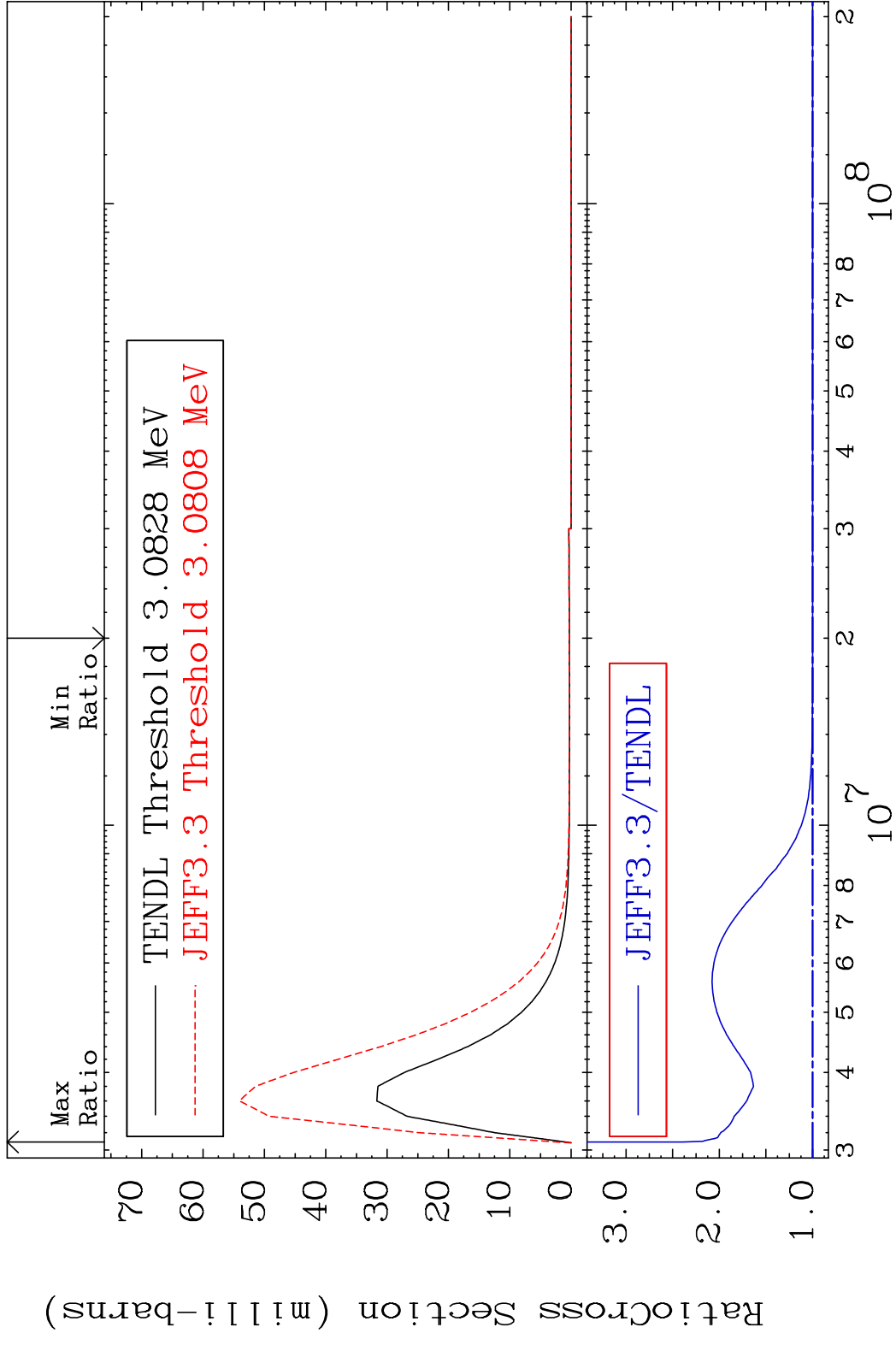


31

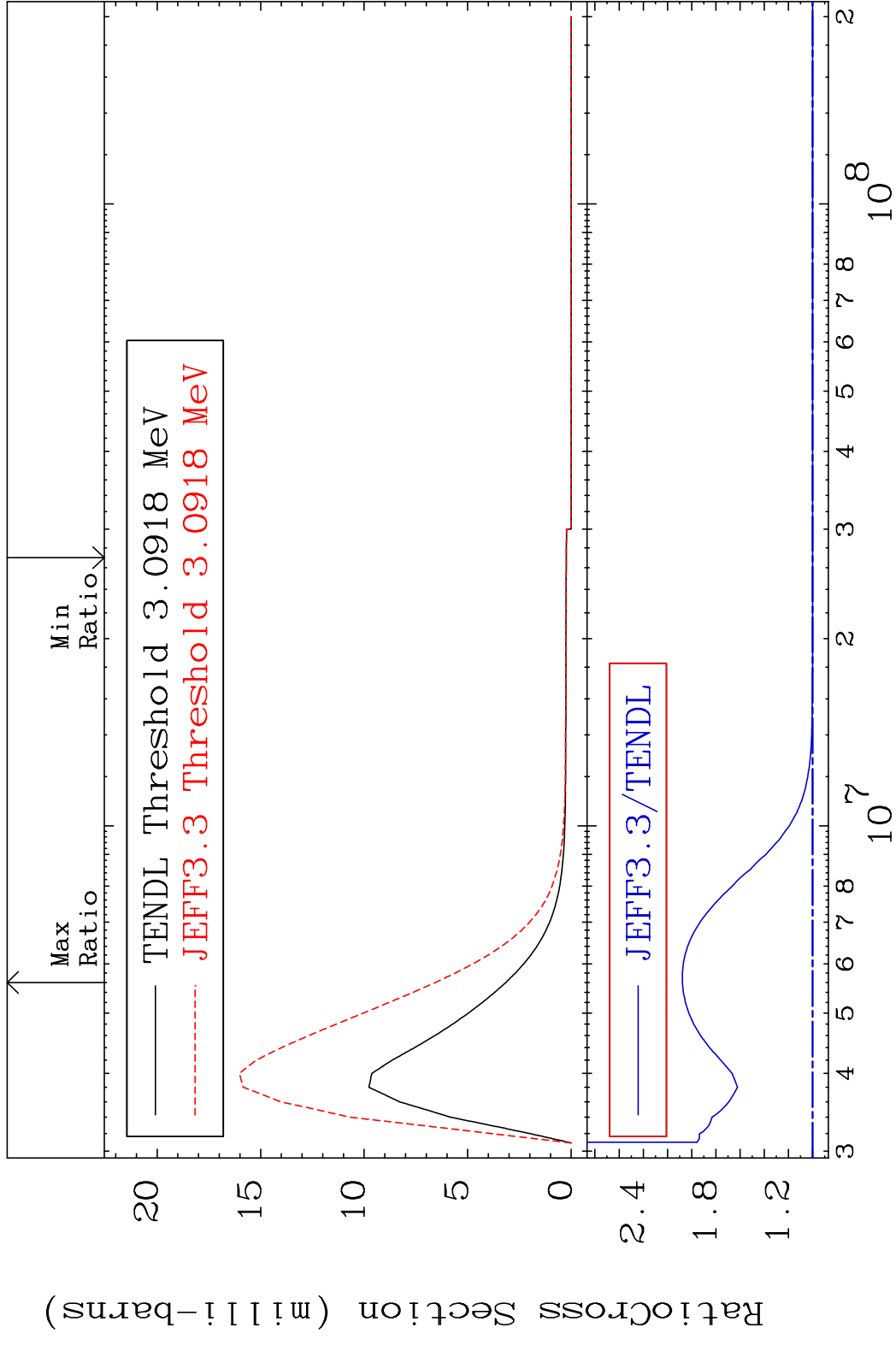
Incident Energy (eV)

38-Sr-86

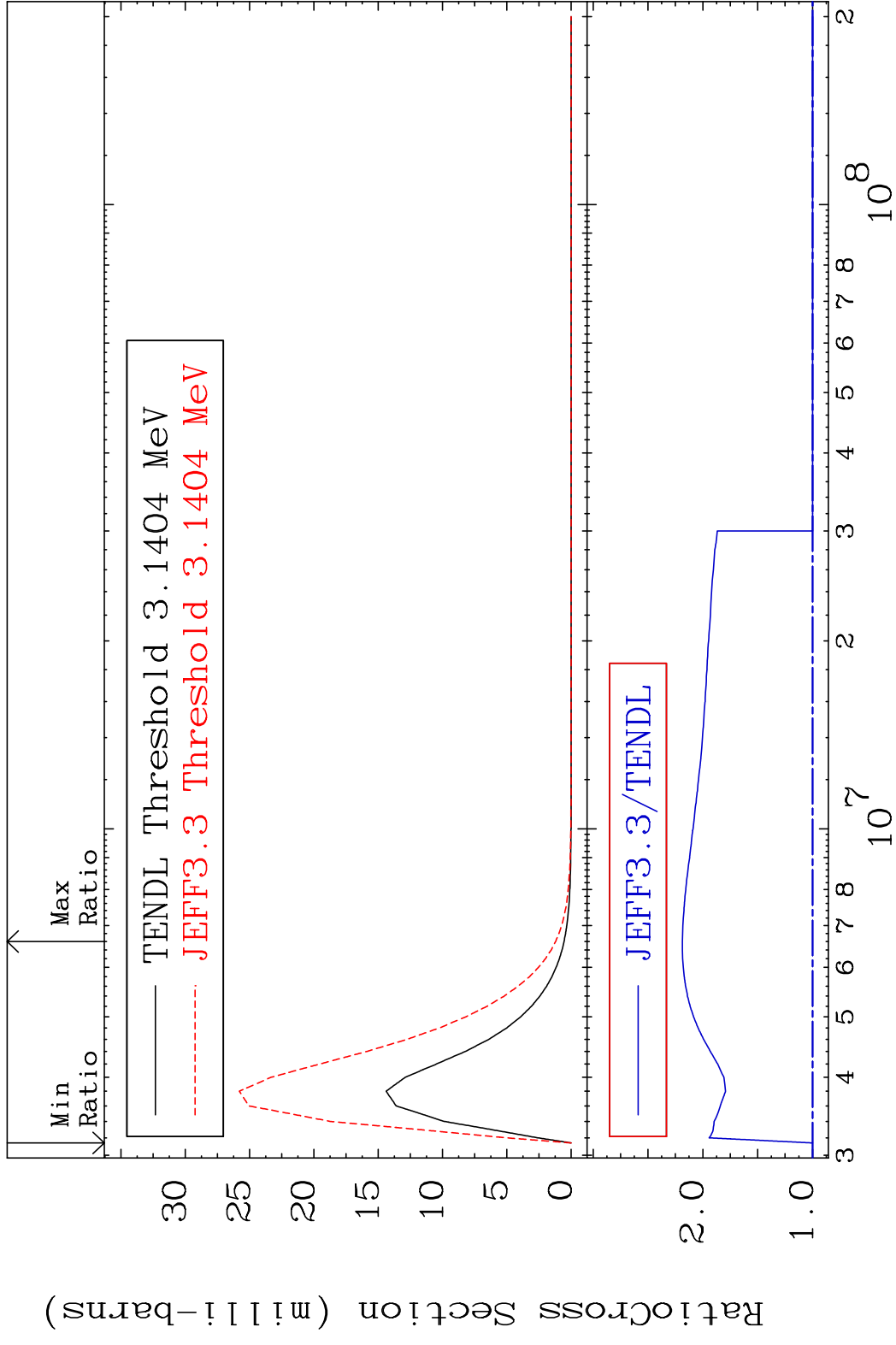
MAT 3831 MT= 66 (n, n') Level 38-Sr-86
 Cross Section -0.003 To 139.6 %



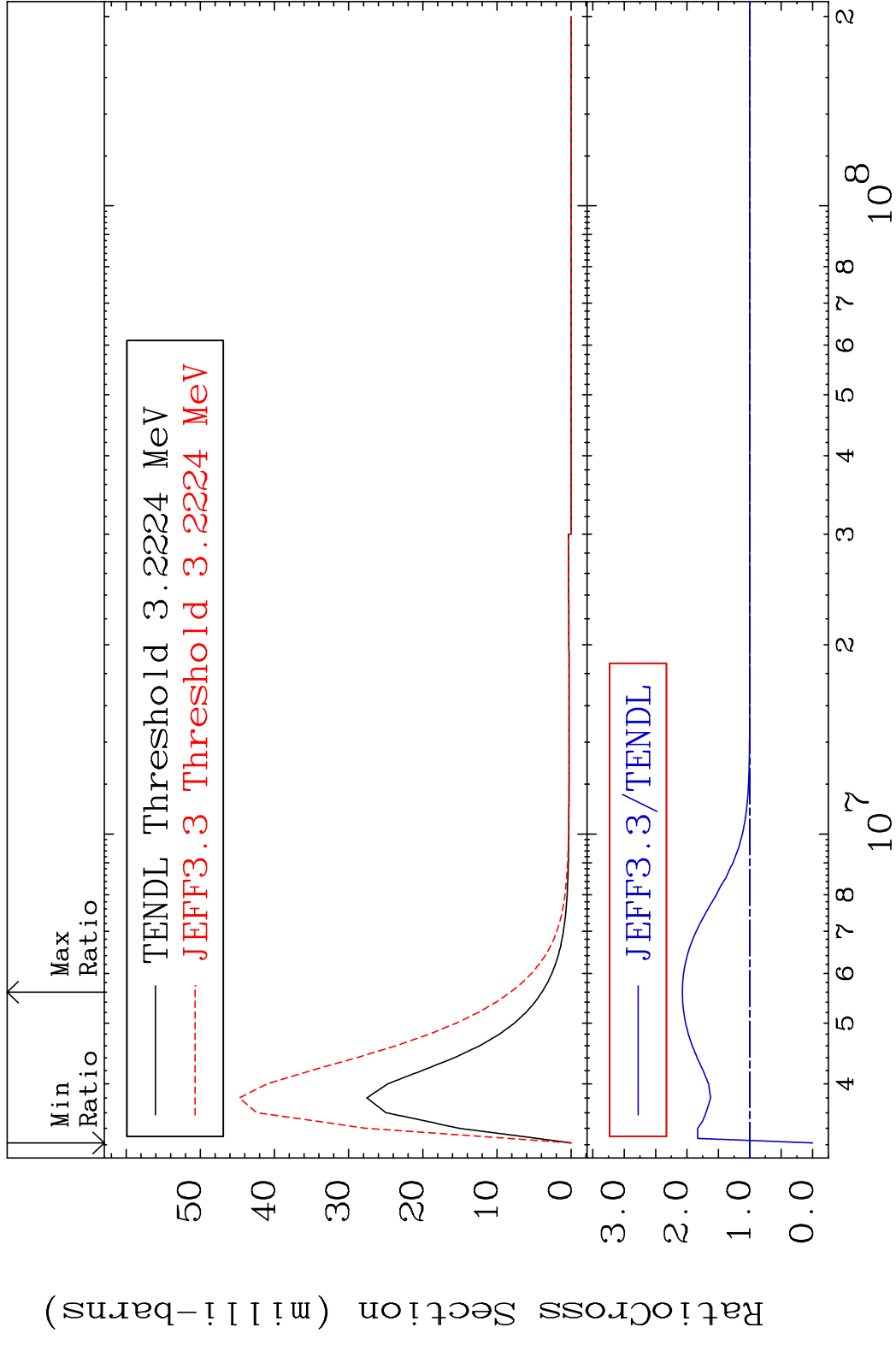
MAT 3831 MT= 67 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 107.7 %



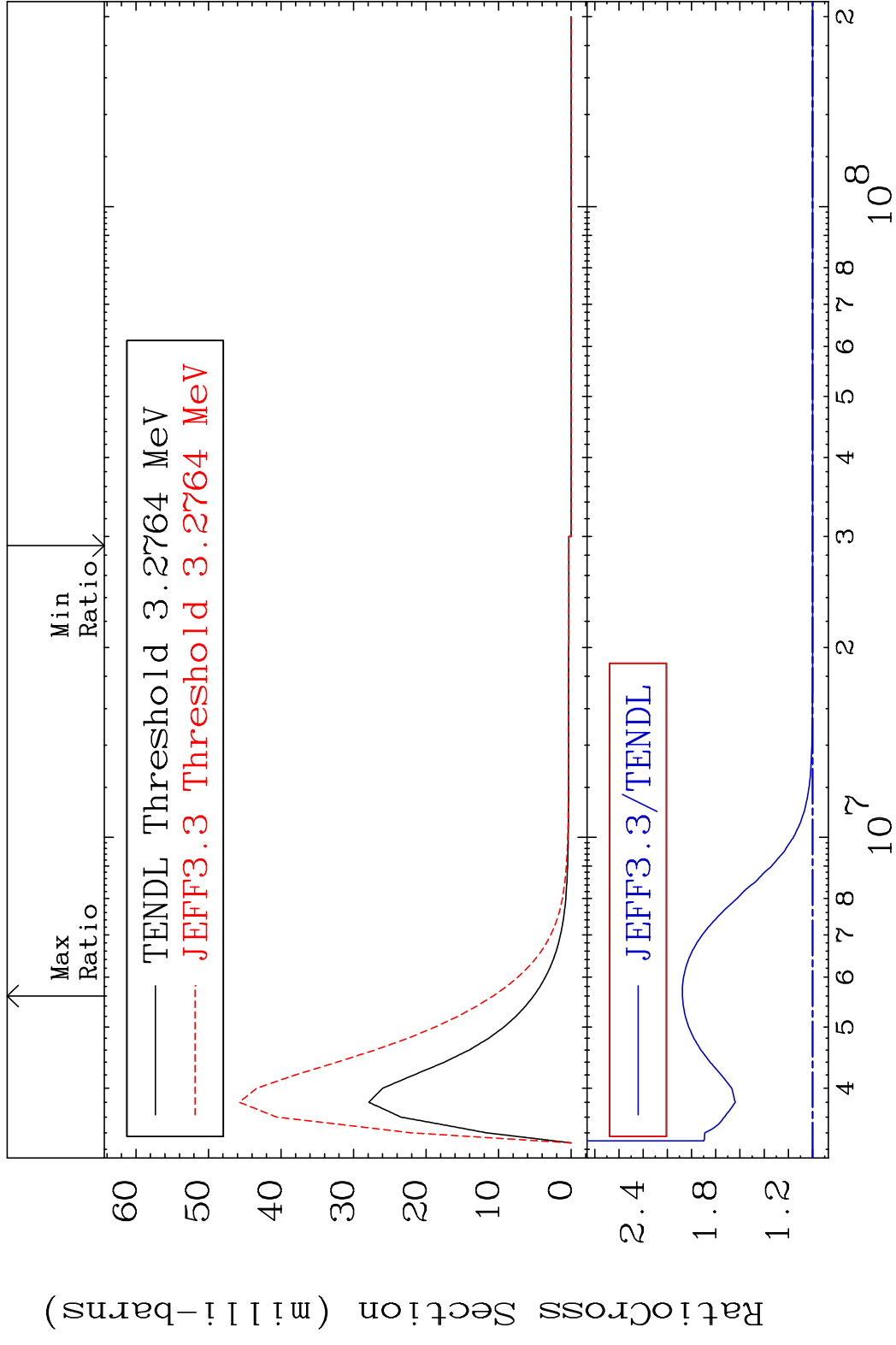
MAT 3831 MT= 68 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 118.7 %



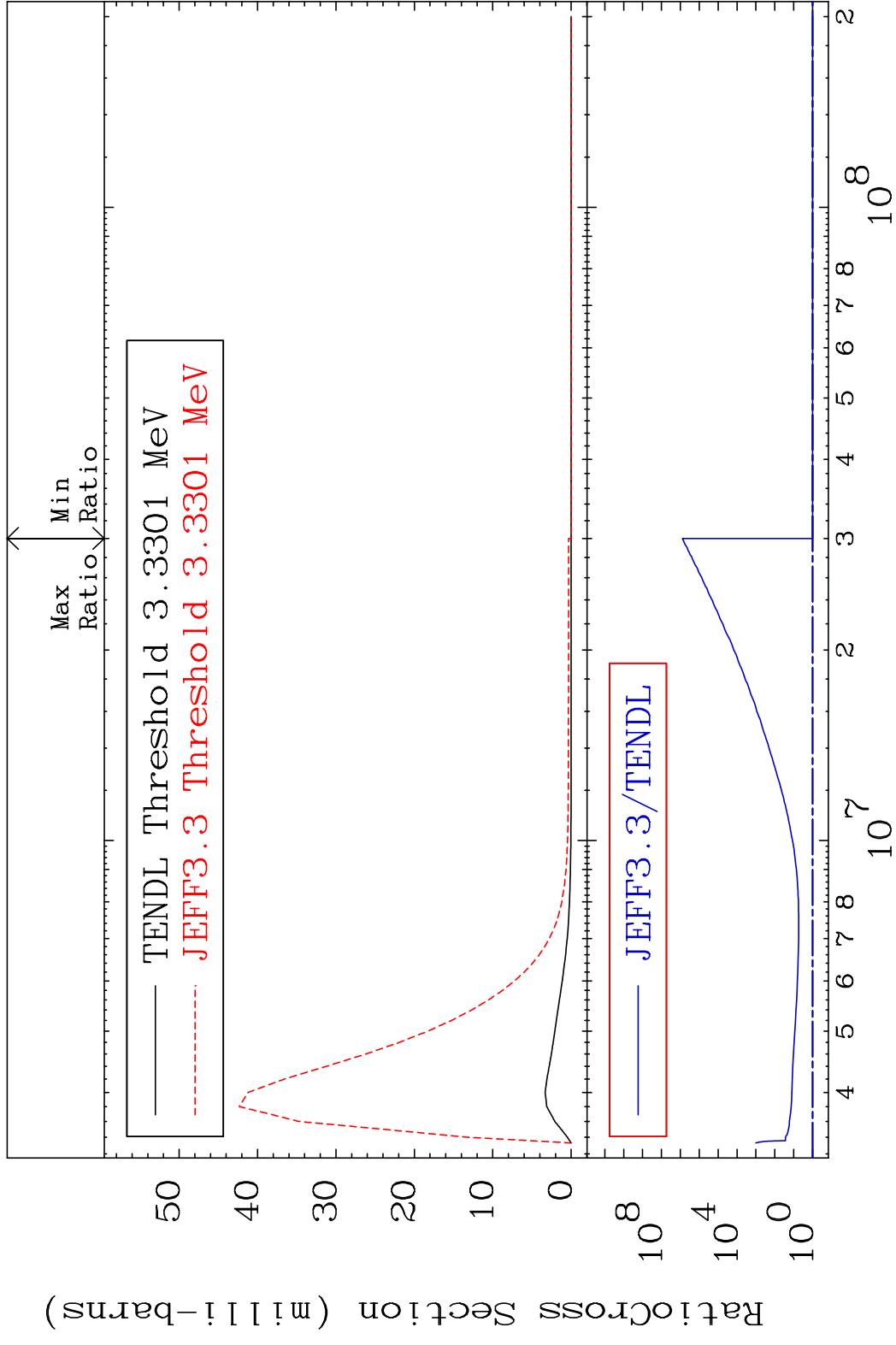
MAT 3831 MT= 69 (n, n') Level 38-Sr-86
 Cross Section -100.0 To 107.4 %



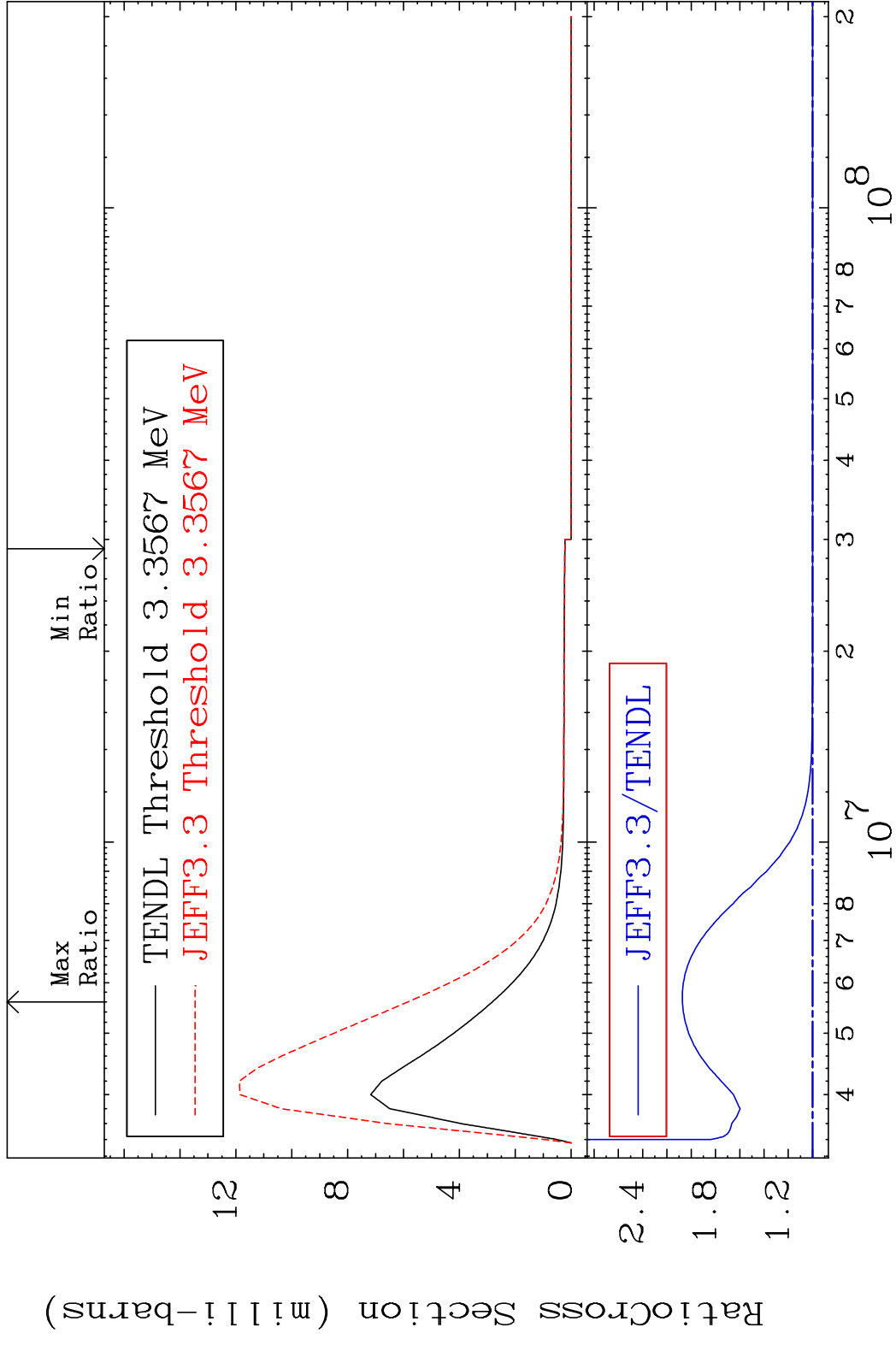
MAT 3831 MT= 70 (n,n') Level 38-Sr-86
 Cross Section 0.000 To 107.6 %



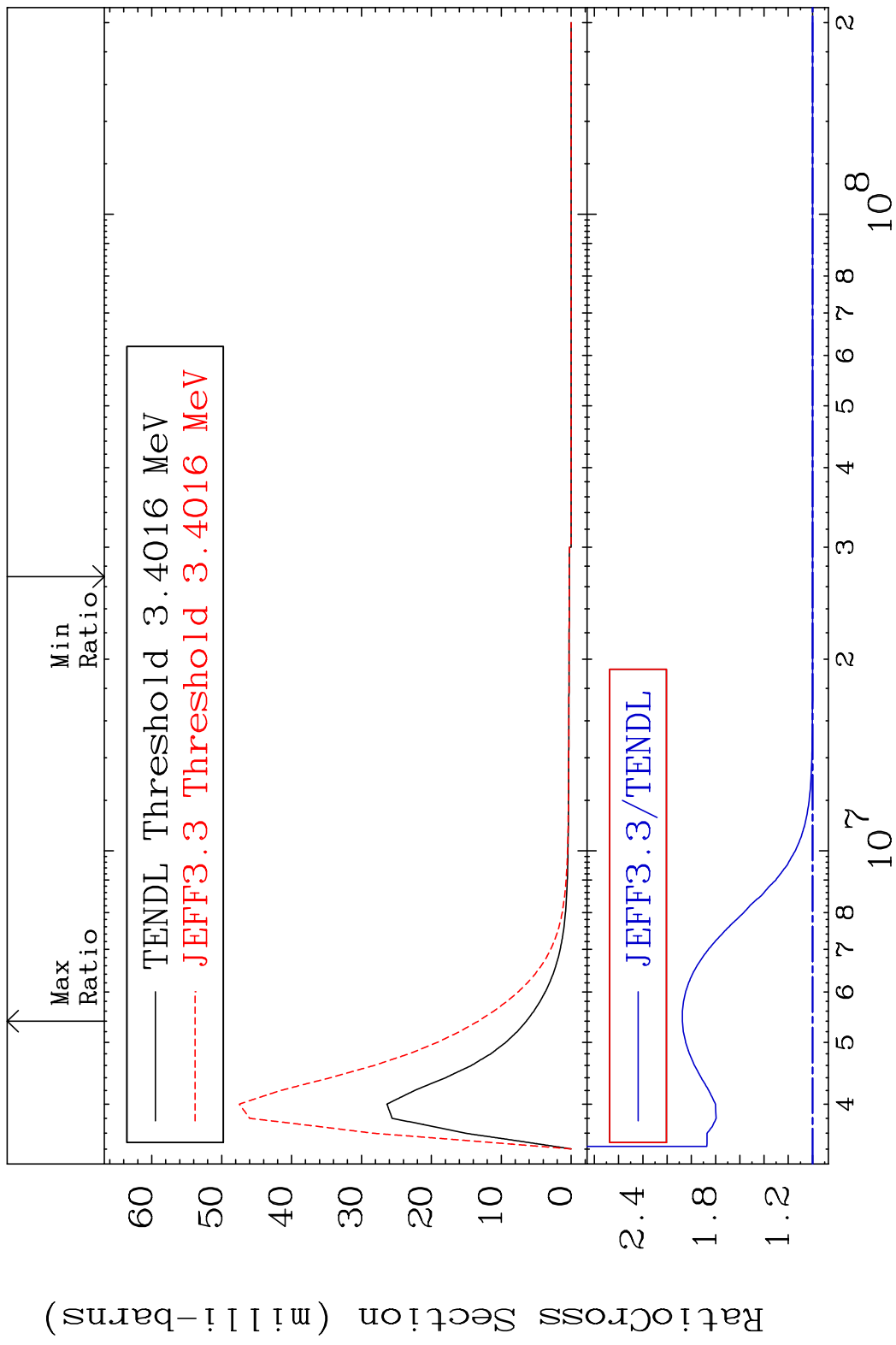
MAT 3831 MT= 71 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 9999. %



MAT 3831 MT= 72 (n,n') Level 38-Sr-86
 Cross Section 0.000 To 107.3 %

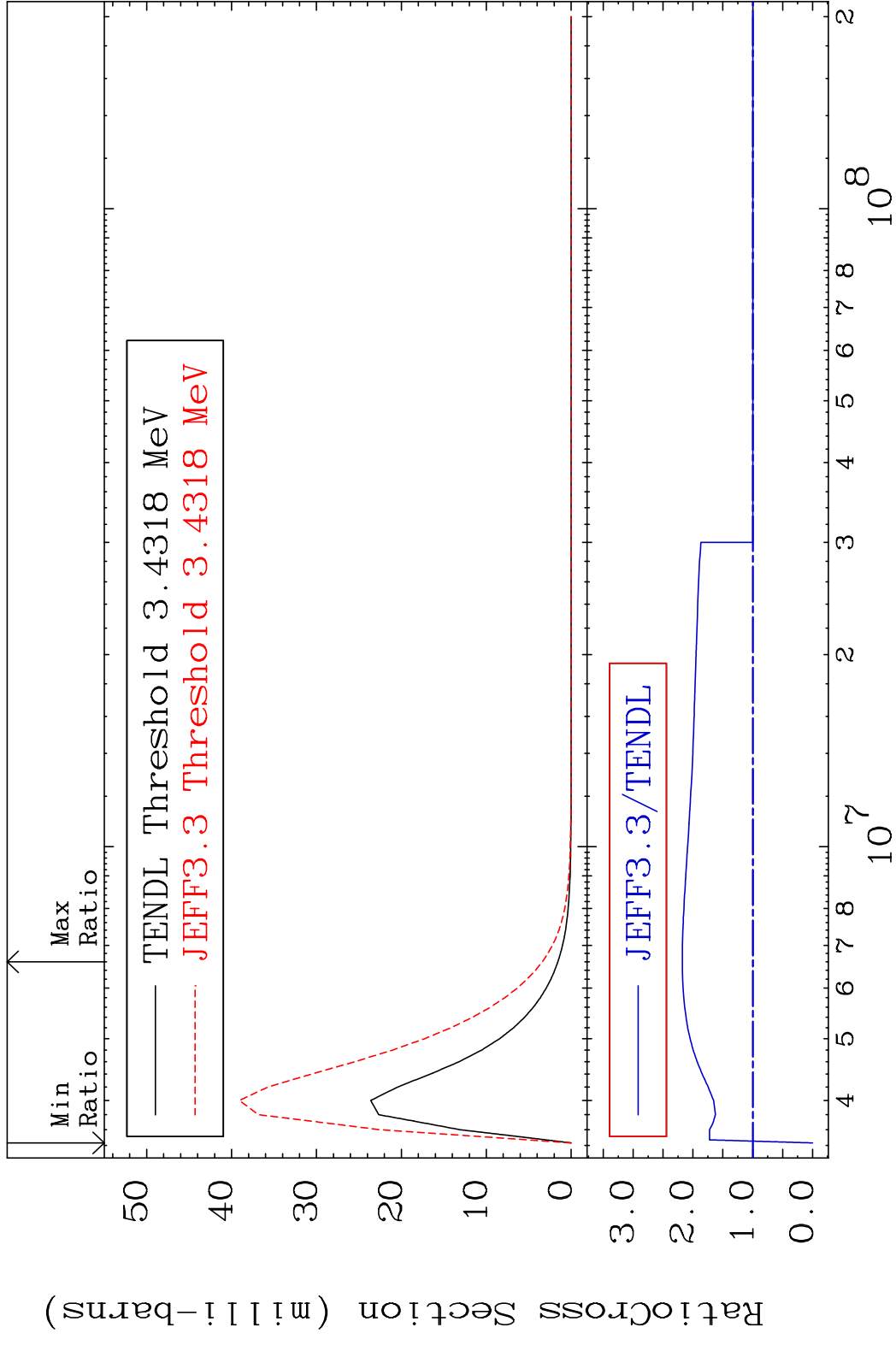


MAT 3831 MT= 73 (n,n') Level 38-Sr-86
 Cross Section 0.000 To 107.4 %



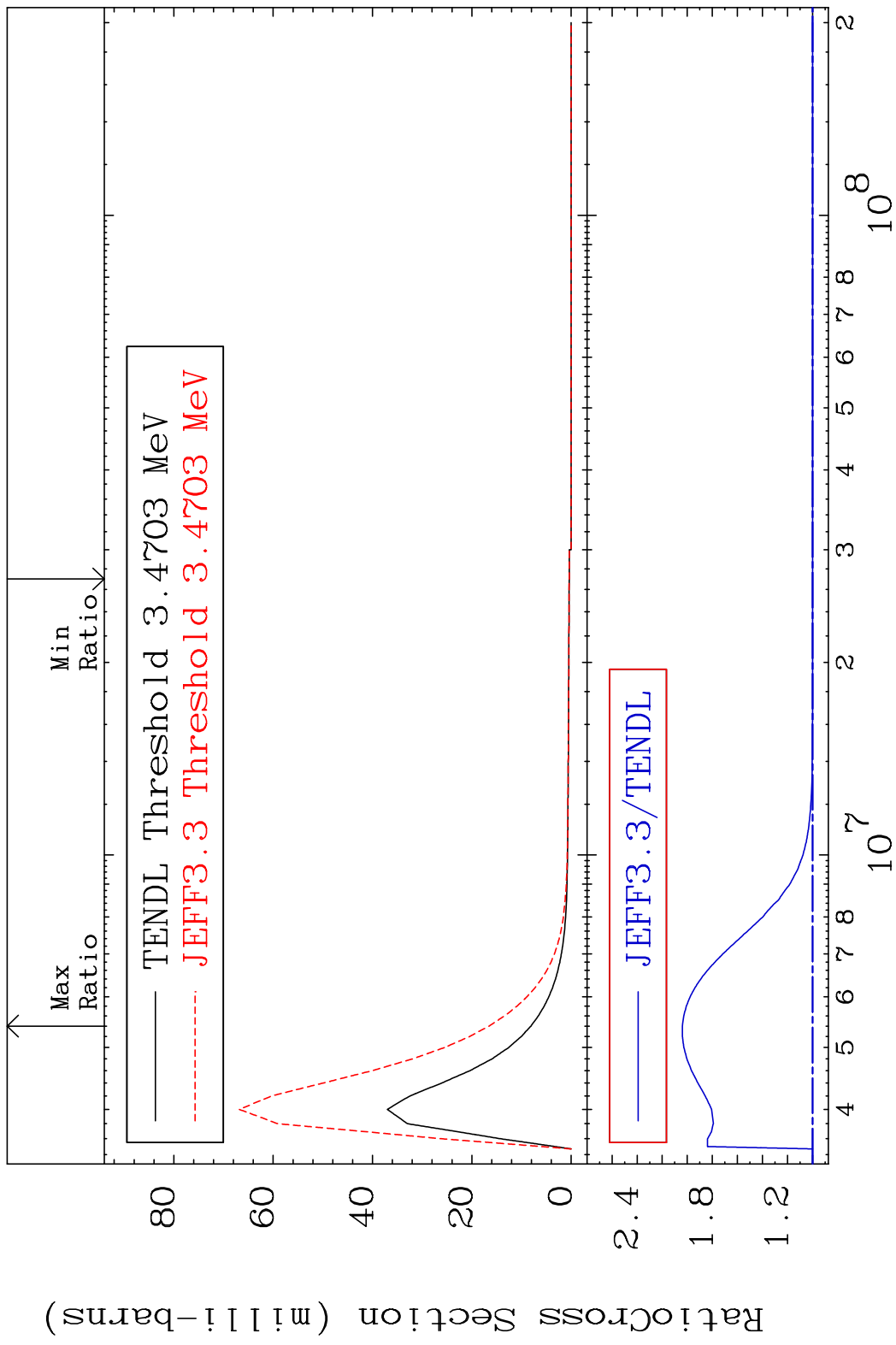
39 Incident Energy (eV) 38-Sr-86

MAT 3831 MT= 74 (n,n') Level 38-Sr-86
 Cross Section -100.0 To 117.7 %

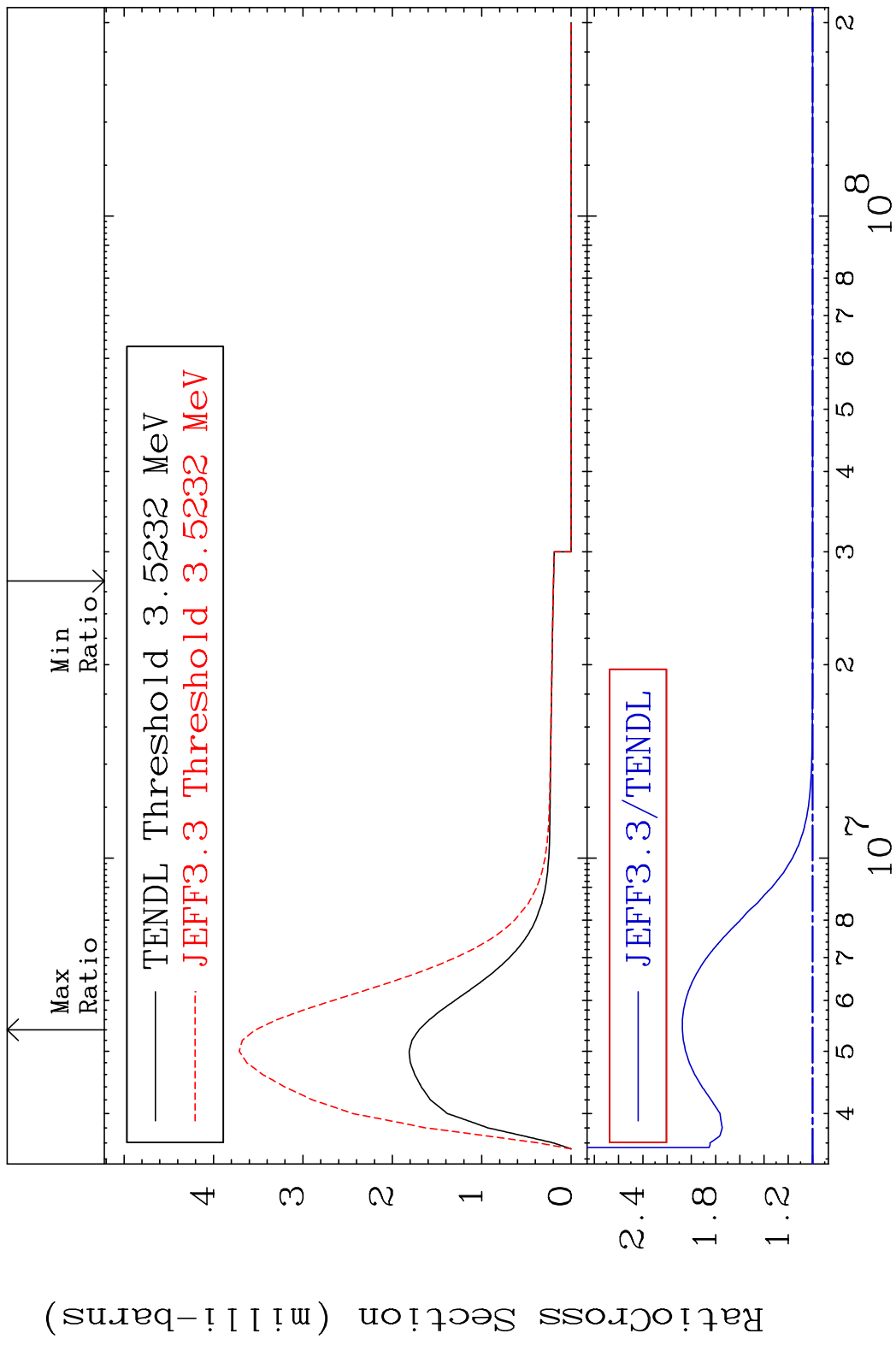


40 Incident Energy (eV) 38-Sr-86

MAT 3831 MT= 75 (n,n') Level 38-Sr-86
 Cross Section 0.000 To 103.9 %

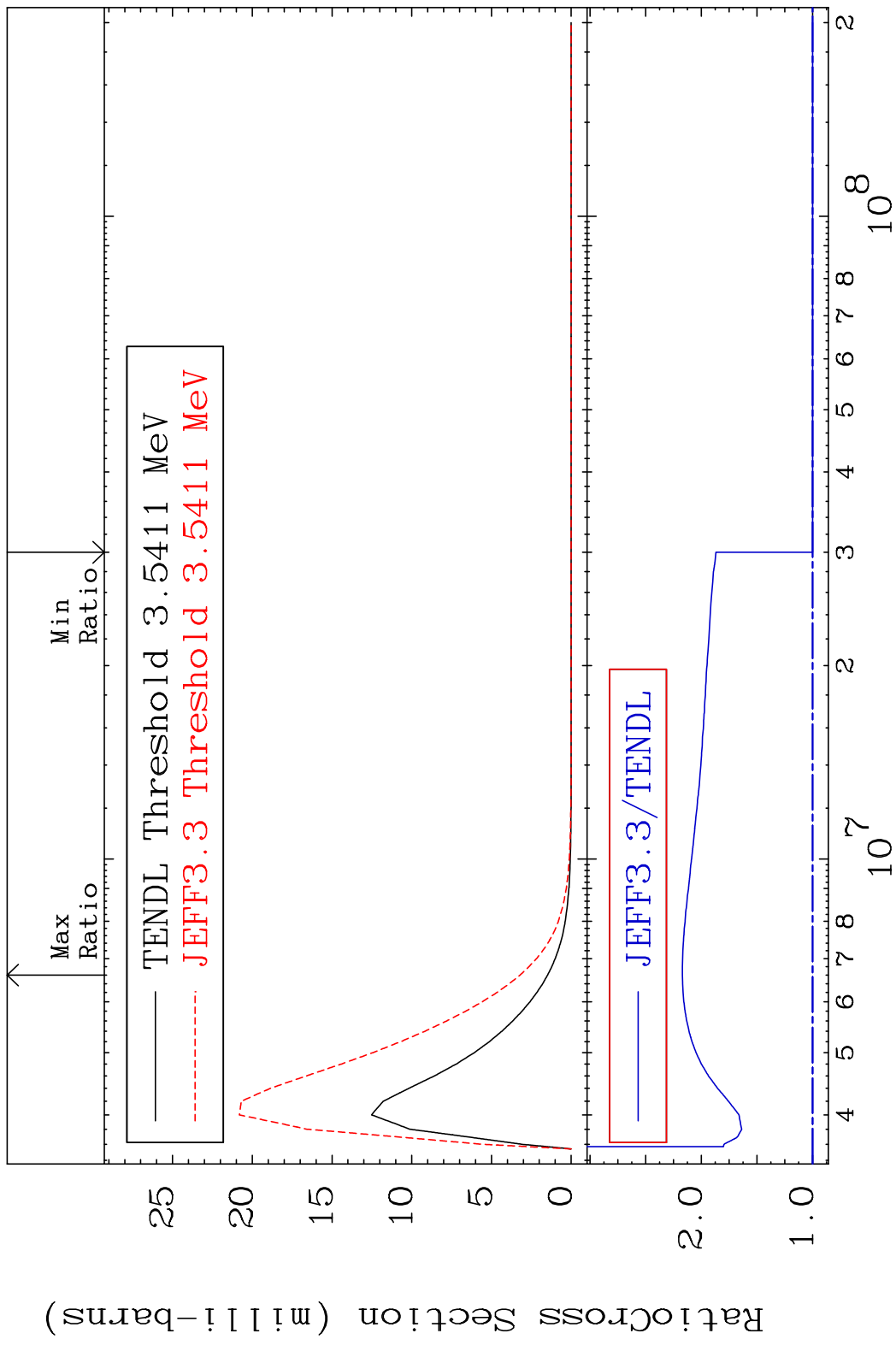


MAT 3831 MT= 76 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 107.4 %



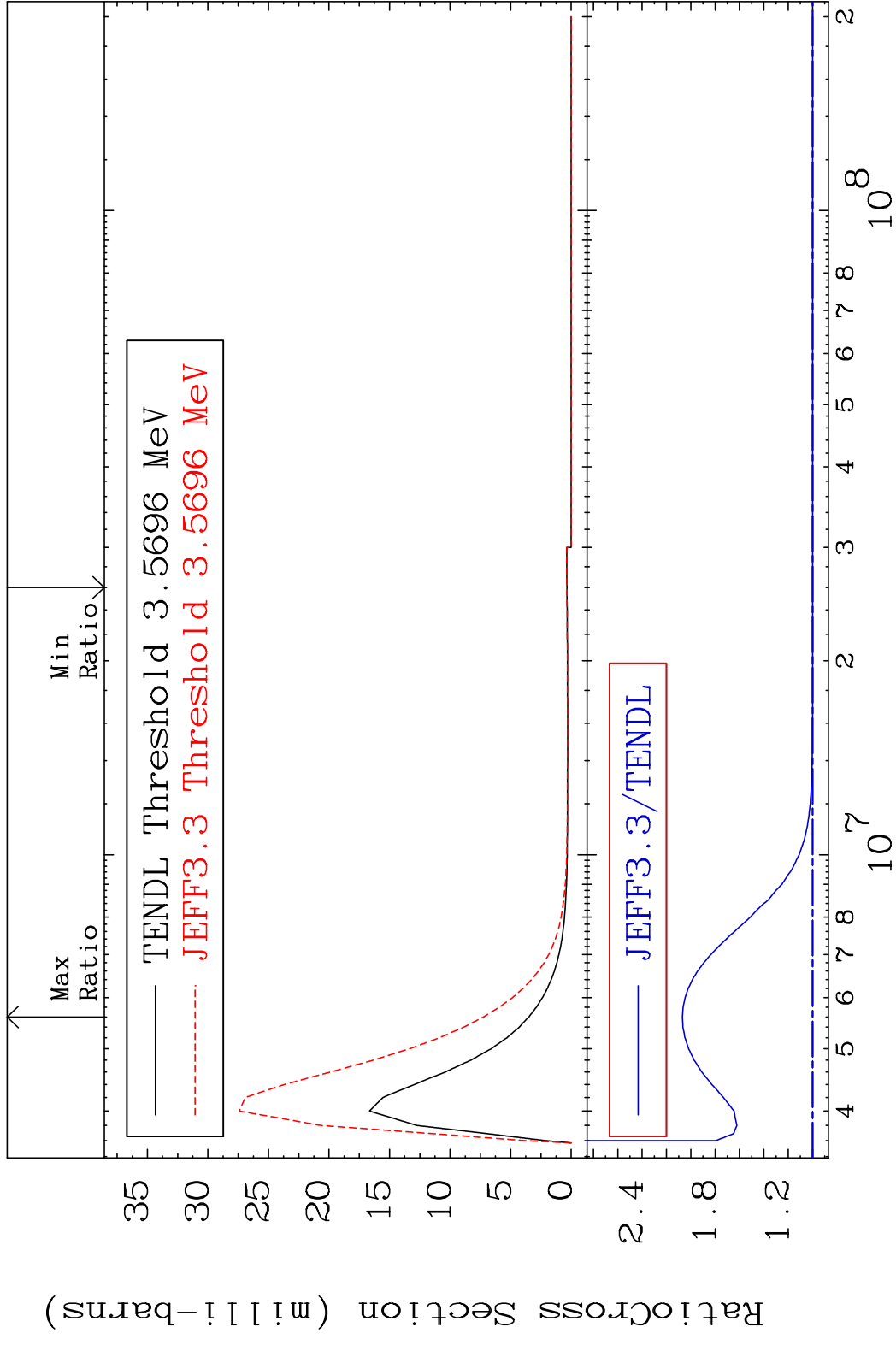
42 Incident Energy (eV) 38-Sr-86

MAT 3831 MT= 77 (n,n') Level 38-Sr-86
 Cross Section 0.000 To 117.1 %

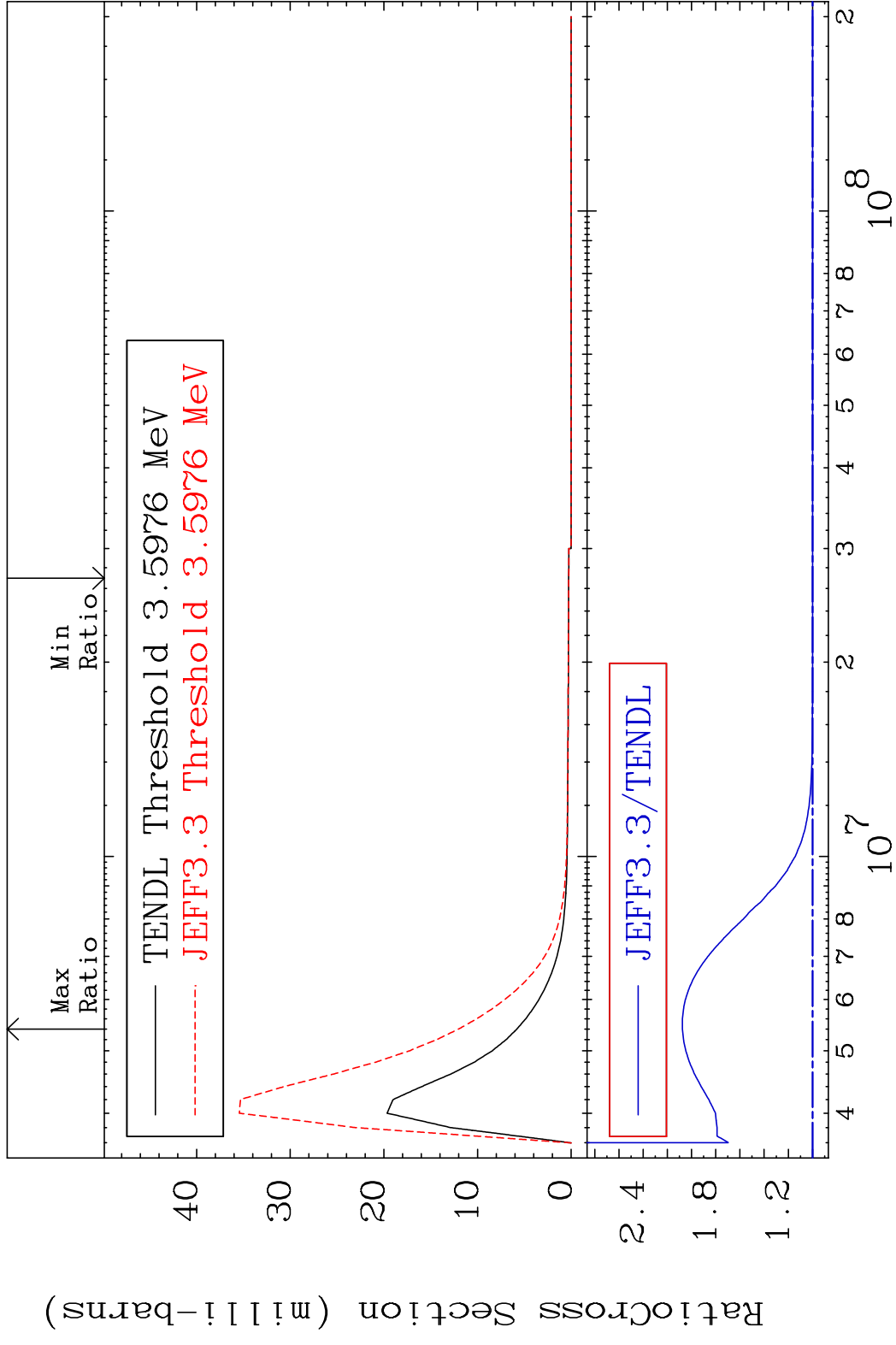


43 Incident Energy (eV) 38-Sr-86

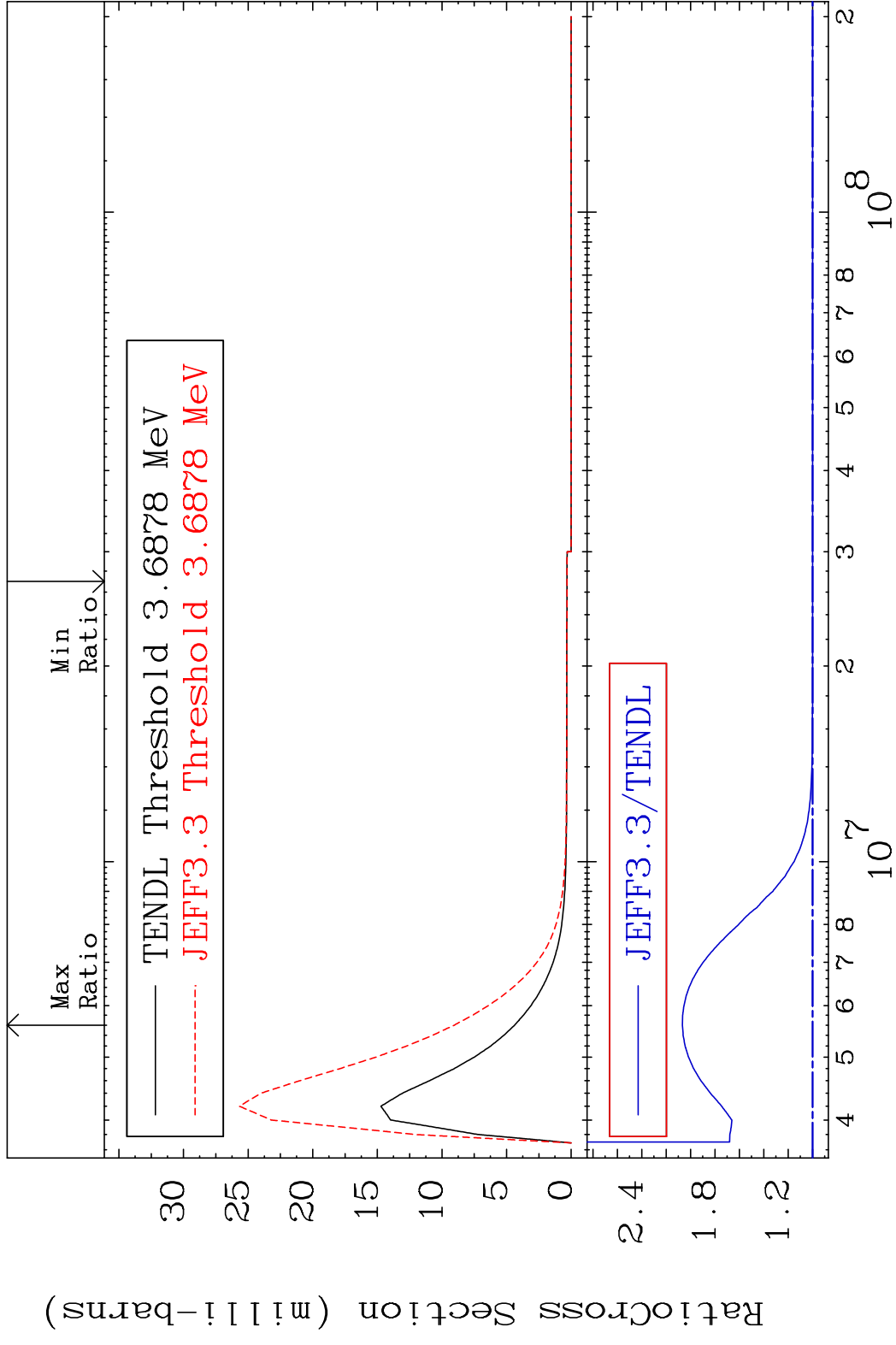
MAT 3831 MT= 78 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 106.9 %



MAT 3831 MT= 79 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 107.6 %



MAT 3831 MT= 80 (n, n') Level 38-Sr-86
 Cross Section 0.000 To 106.7 %

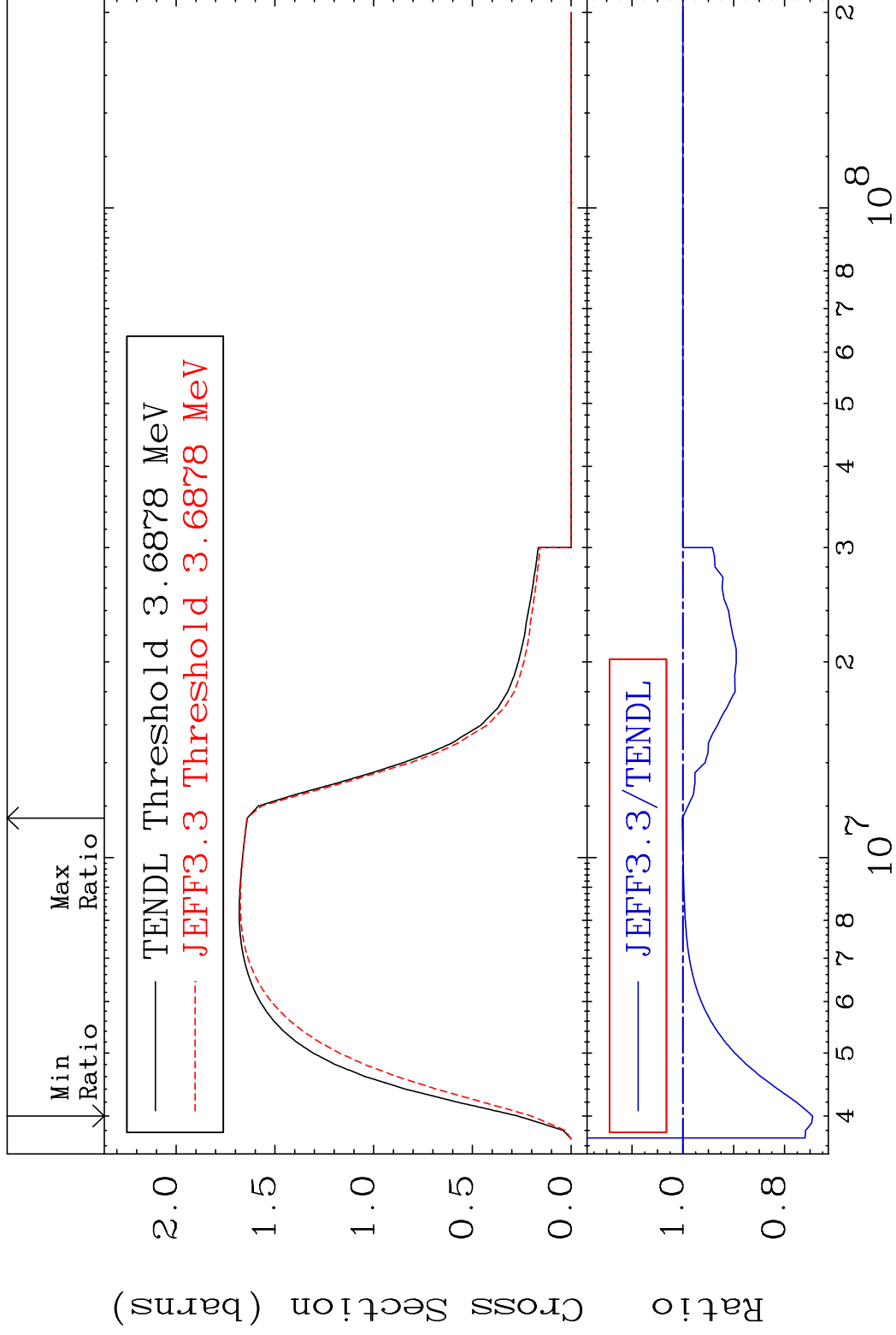


MAT 3831

(n, n') Continuum

38-Sr-86

Cross Section -25.50 To 0.102 %



47

Incident Energy (eV)

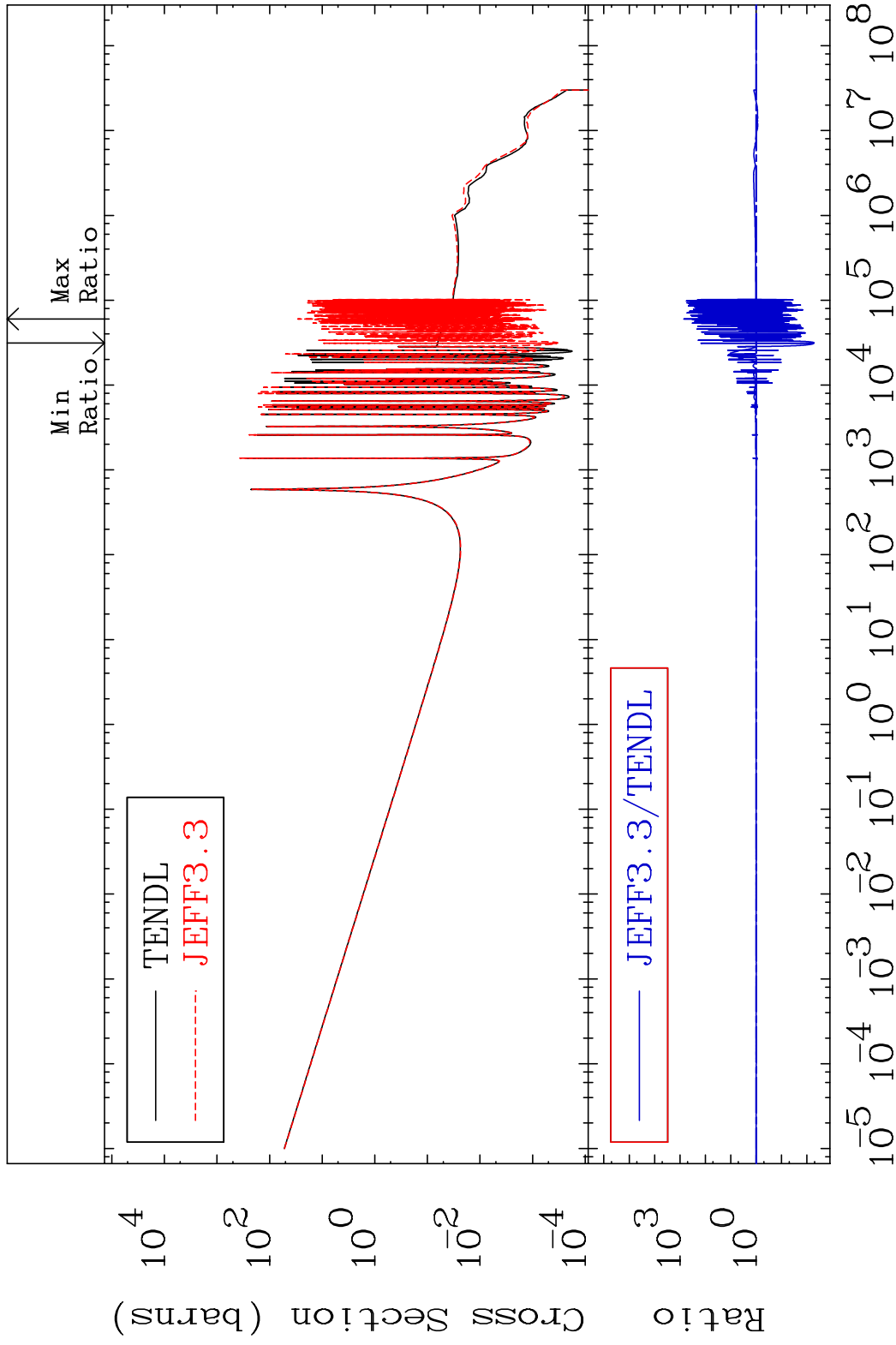
38-Sr-86

MAT 3831

(n, γ)

38-Sr-86

Cross Section -99.48 To 9999. %



48

Incident Energy (eV)

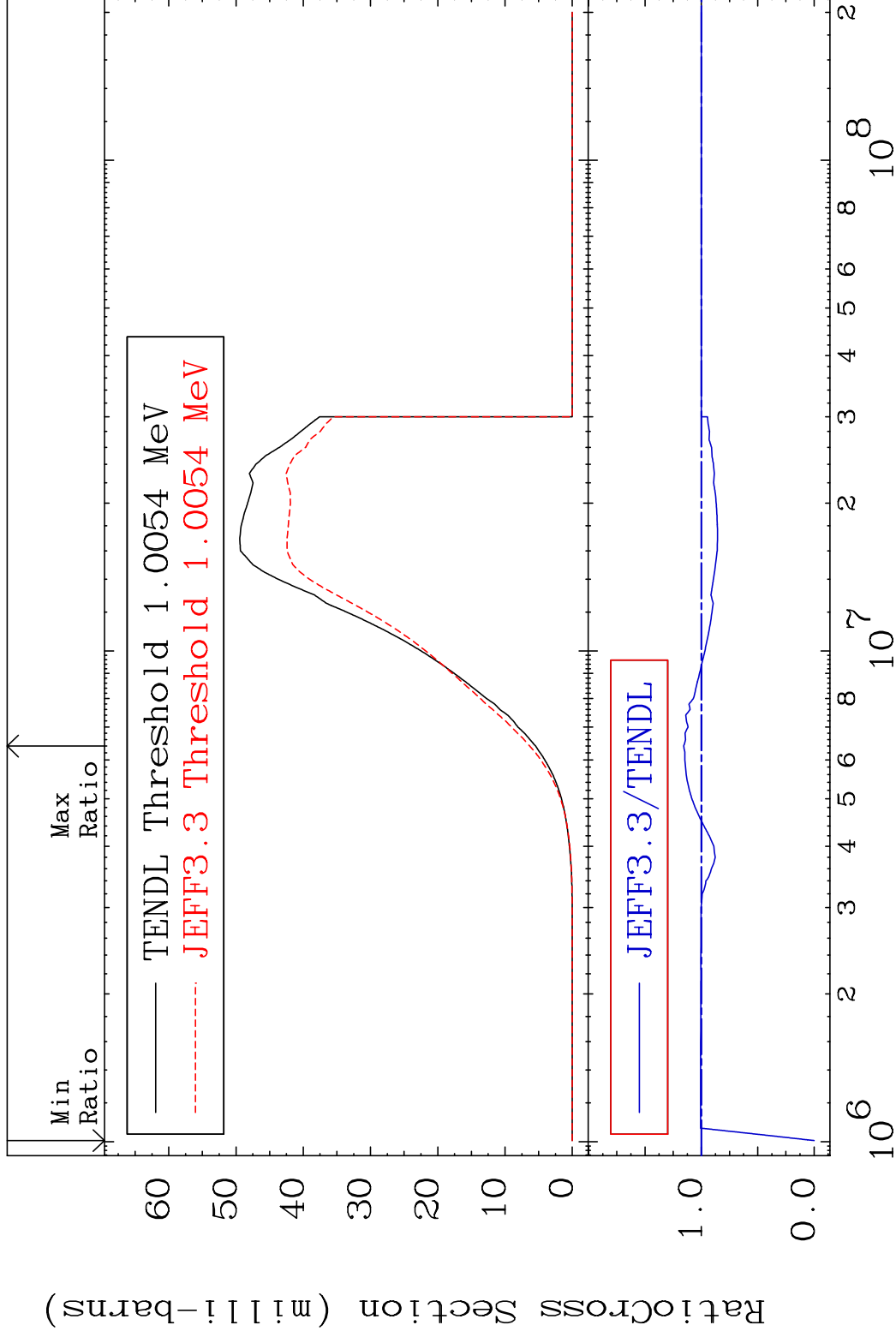
38-Sr-86

MAT 3831

(n,p)

38-Sr-86

Cross Section -100.0 To 15.71 %



49

Incident Energy (eV)

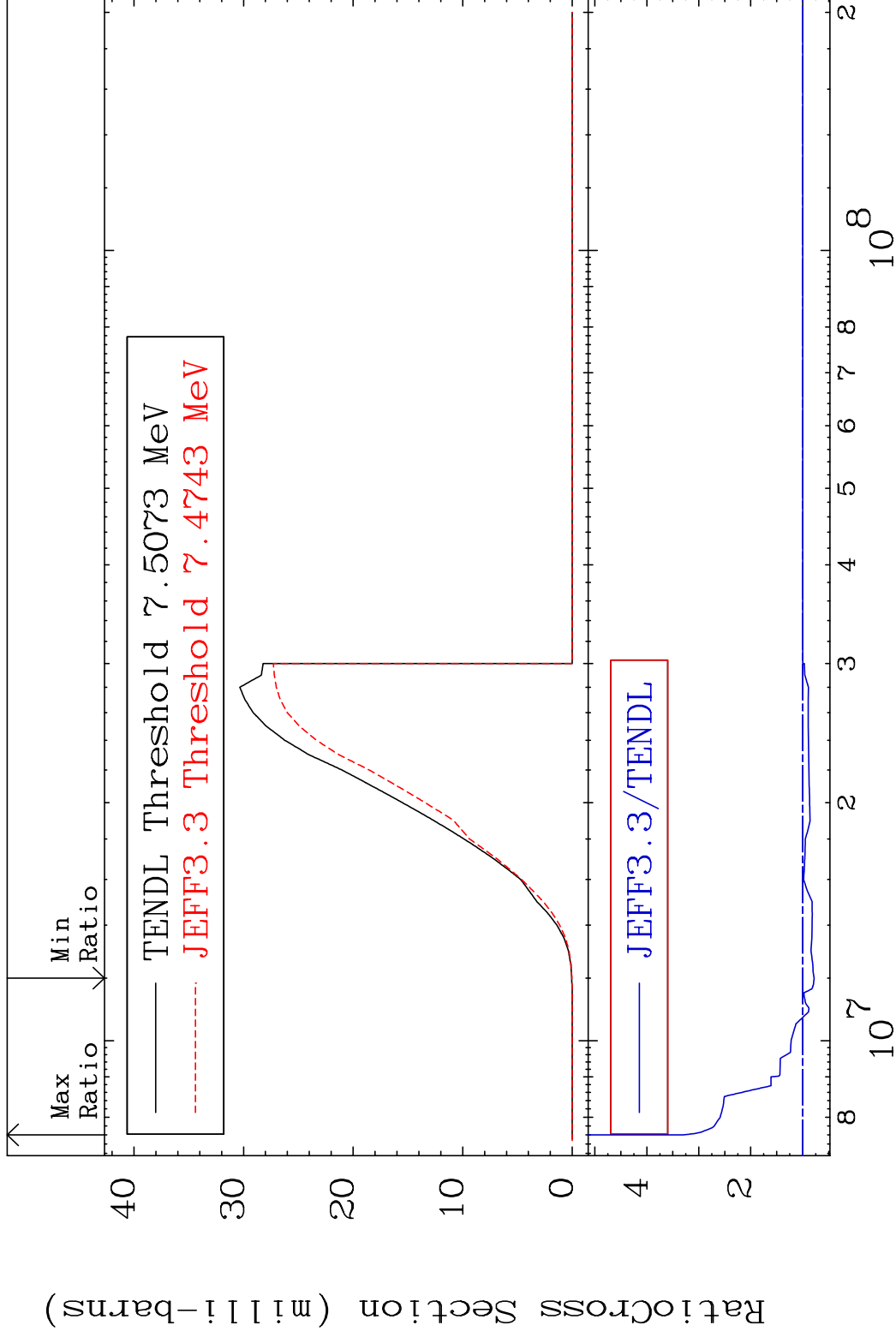
38-Sr-86

MAT 3831

(n, d)

38-Sr-86

Cross Section -21.97 To 229.1 %



50

Incident Energy (eV)

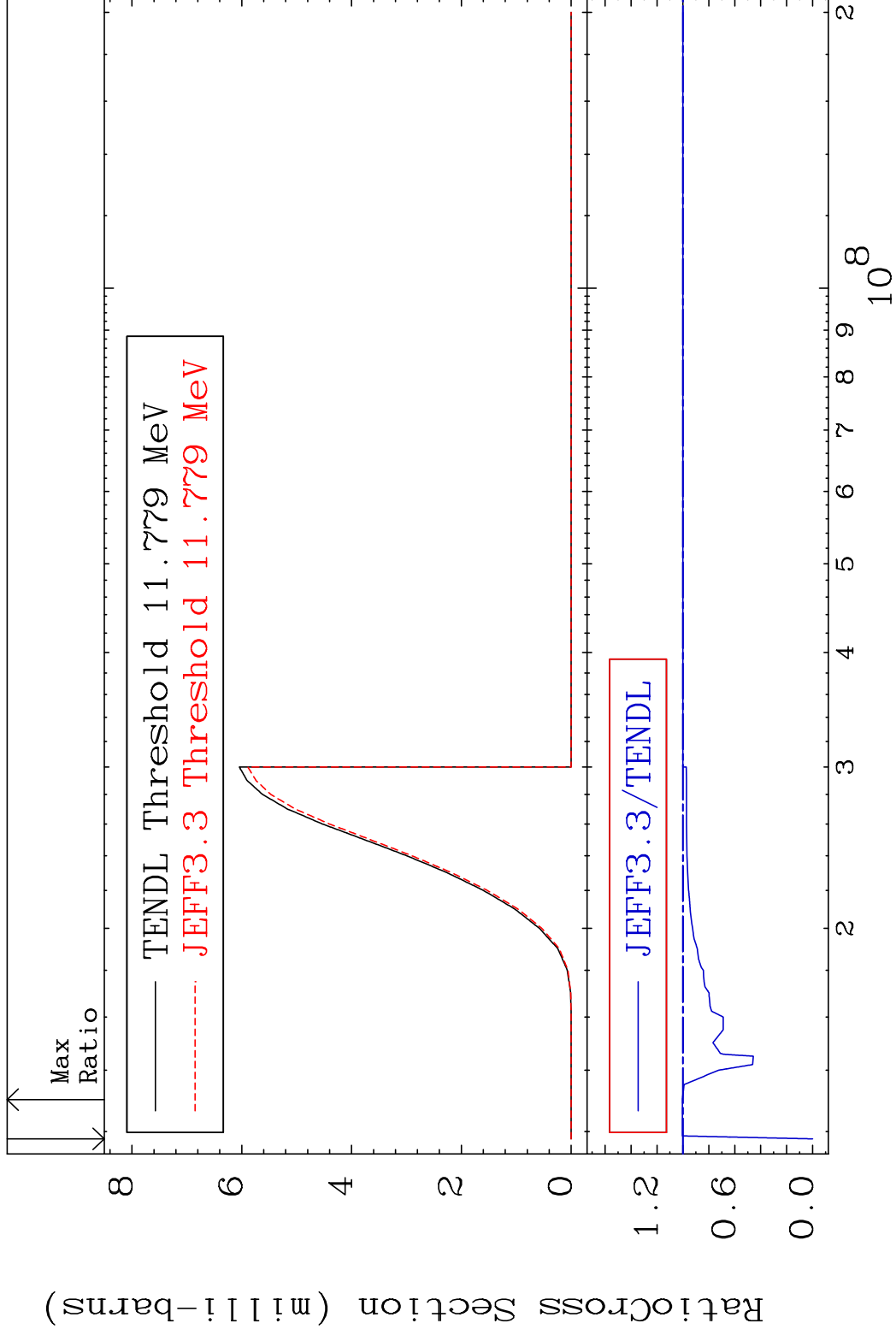
38-Sr-86

MAT 3831

(n, t)

38-Sr-86

Cross Section -100.0 To 0.419 %



51

Incident Energy (eV)

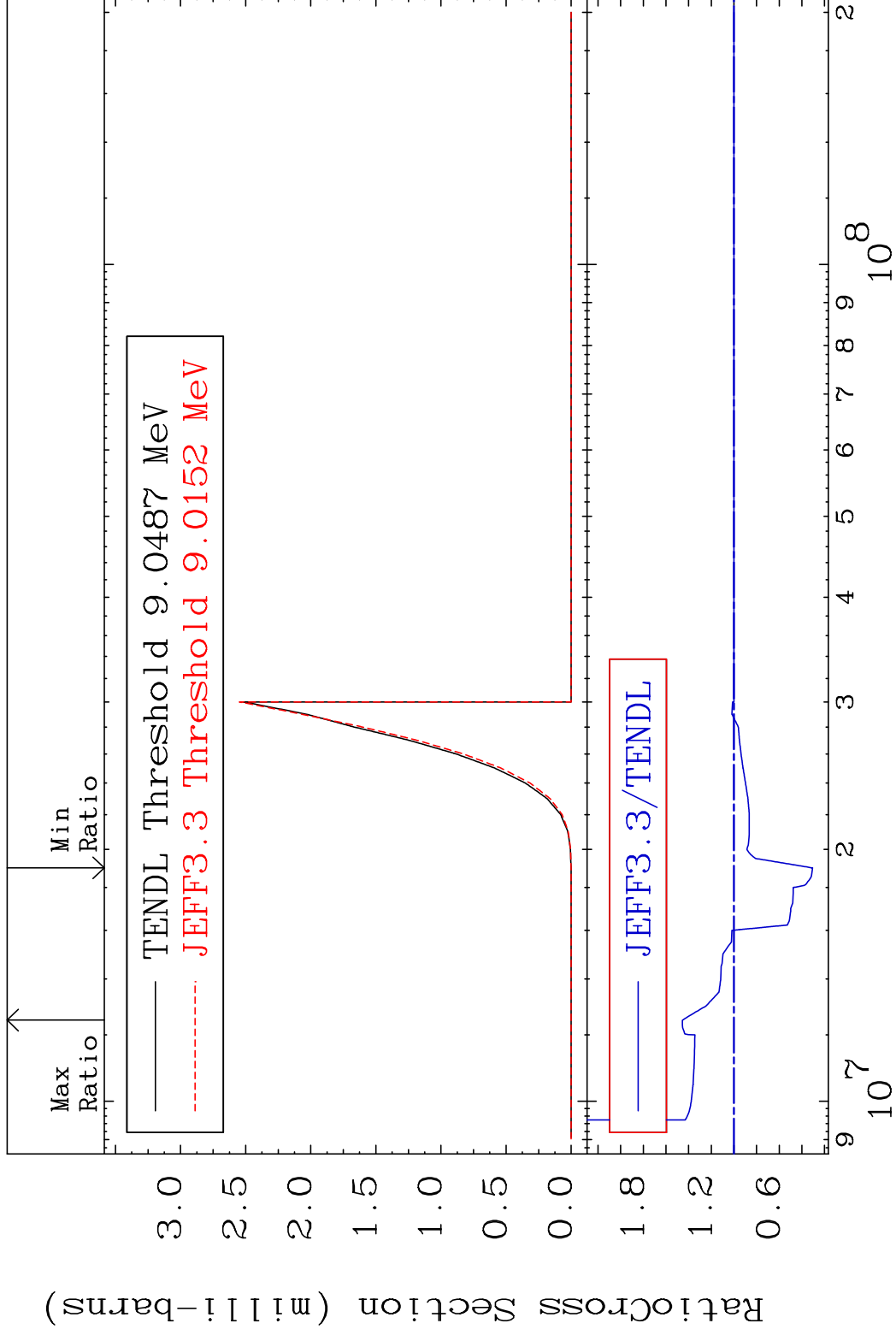
38-Sr-86

MAT 3831

(n, He-3)

38-Sr-86

Cross Section -69.46 To 45.53 %



52

Incident Energy (eV)

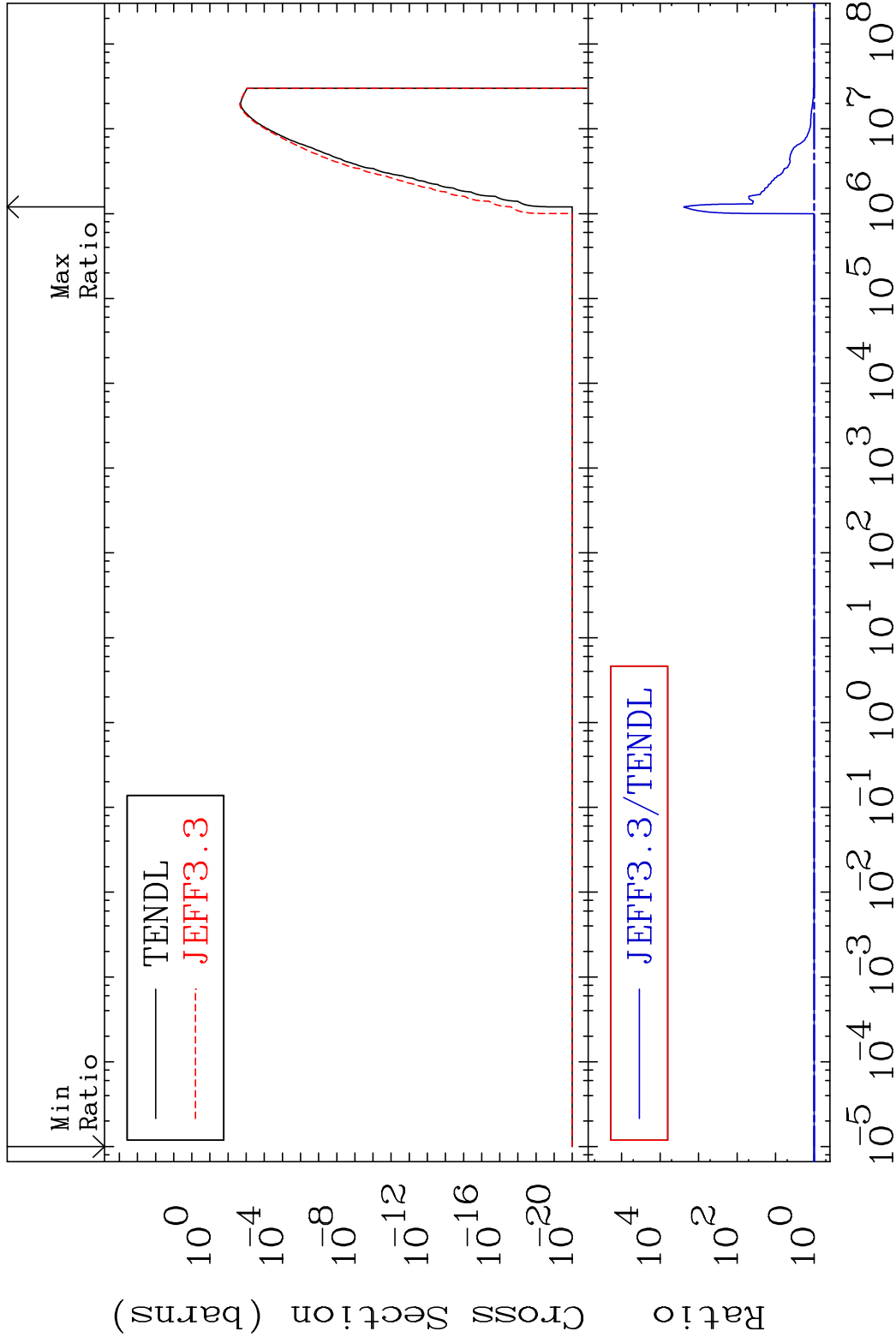
38-Sr-86

MAT 3831

(n, α)

38-Sr-86

Cross Section 0.000 To 9999. %



53

Incident Energy (eV)

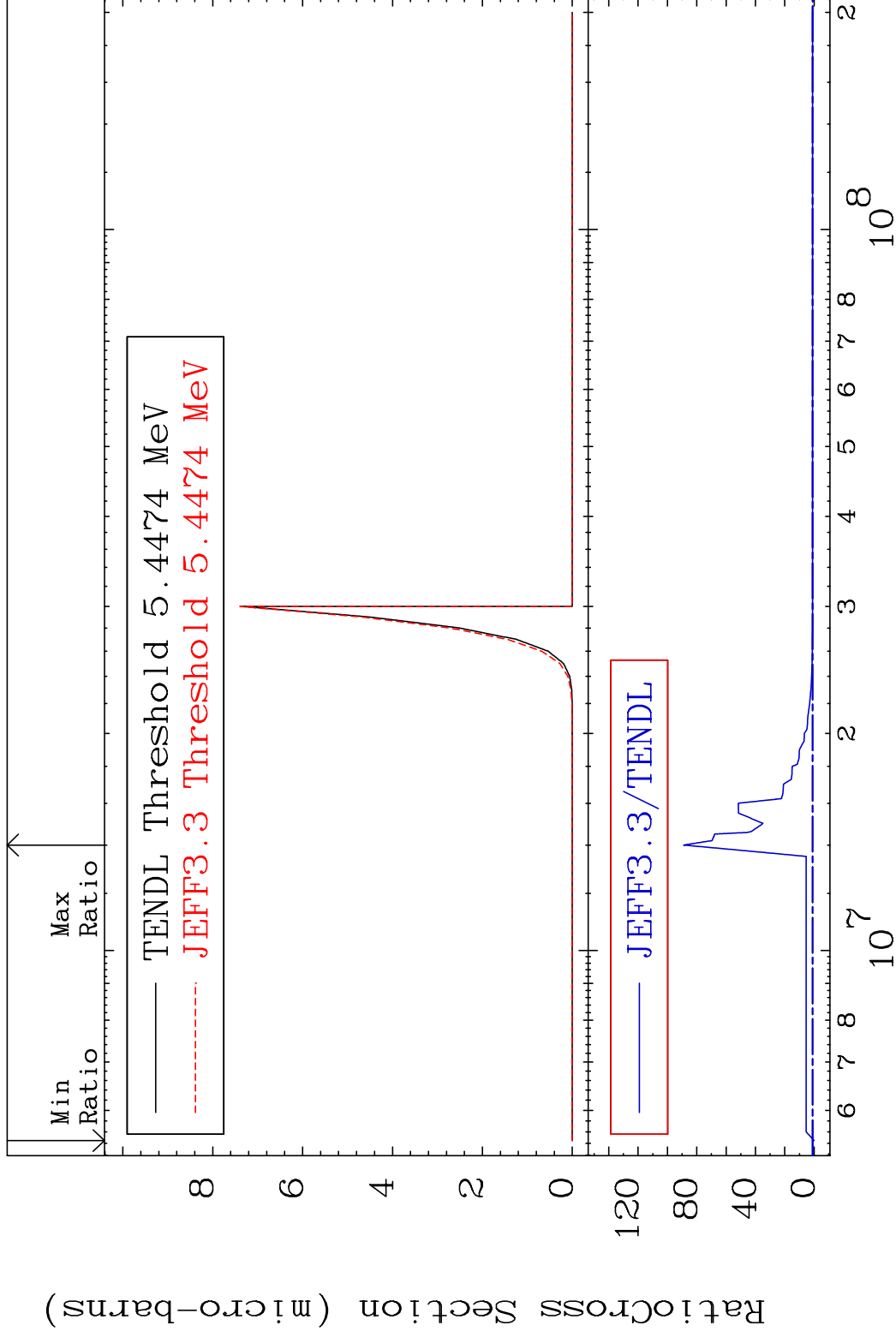
38-Sr-86

MAT 3831

(n,2α)

38-Sr-86

Cross Section -100.0 To 8793. %



54

Incident Energy (eV)

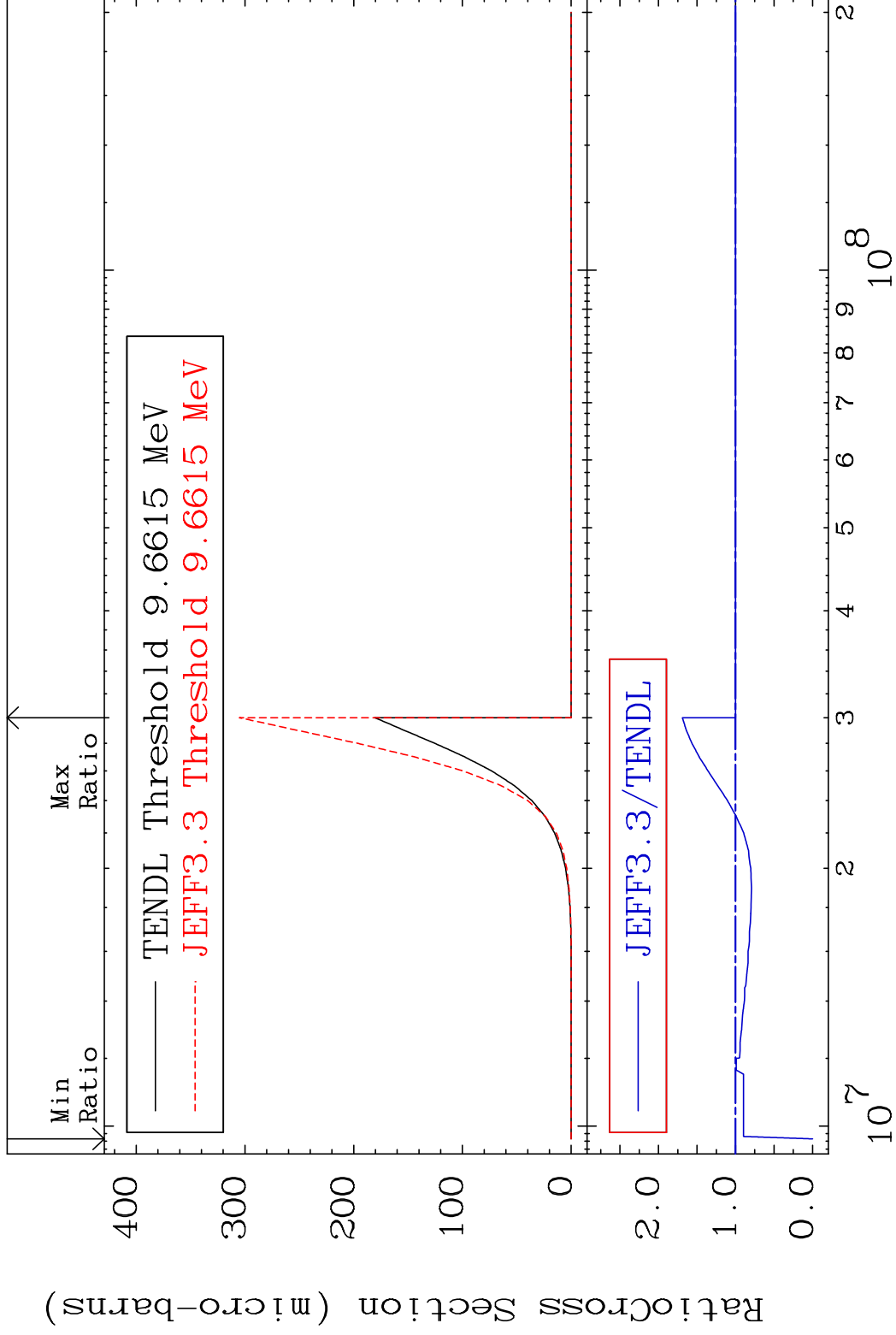
38-Sr-86

MAT 3831

(n,2p)

38-Sr-86

Cross Section -100.0 To 69.04 %



55

Incident Energy (eV)

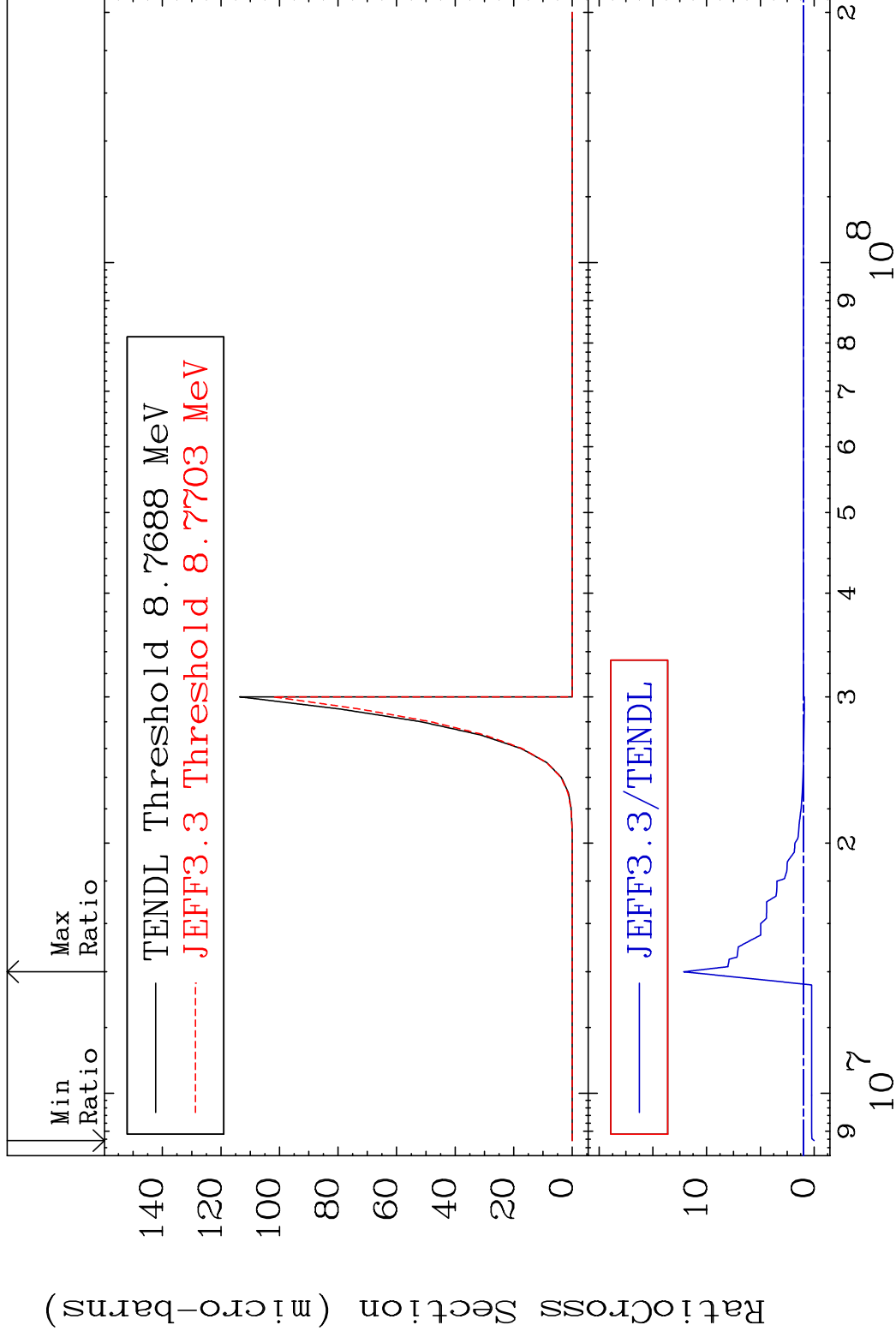
38-Sr-86

MAT 3831

(n,p) α

38-Sr-86

Cross Section -100.0 To 1113. %



56

Incident Energy (eV)

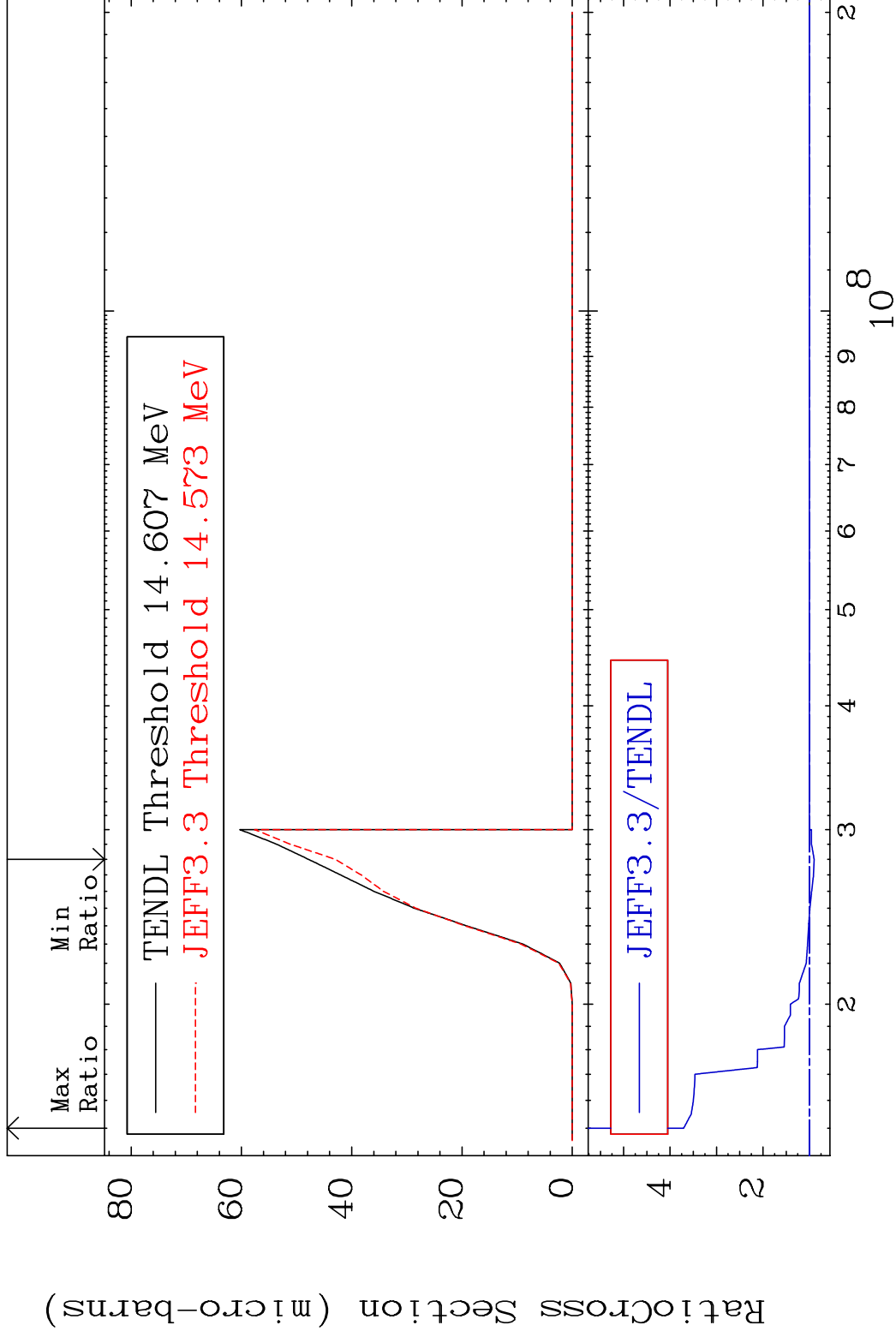
38-Sr-86

MAT 3831

(n,p) d

38-Sr-86

Cross Section -10.15 To 270.8 %

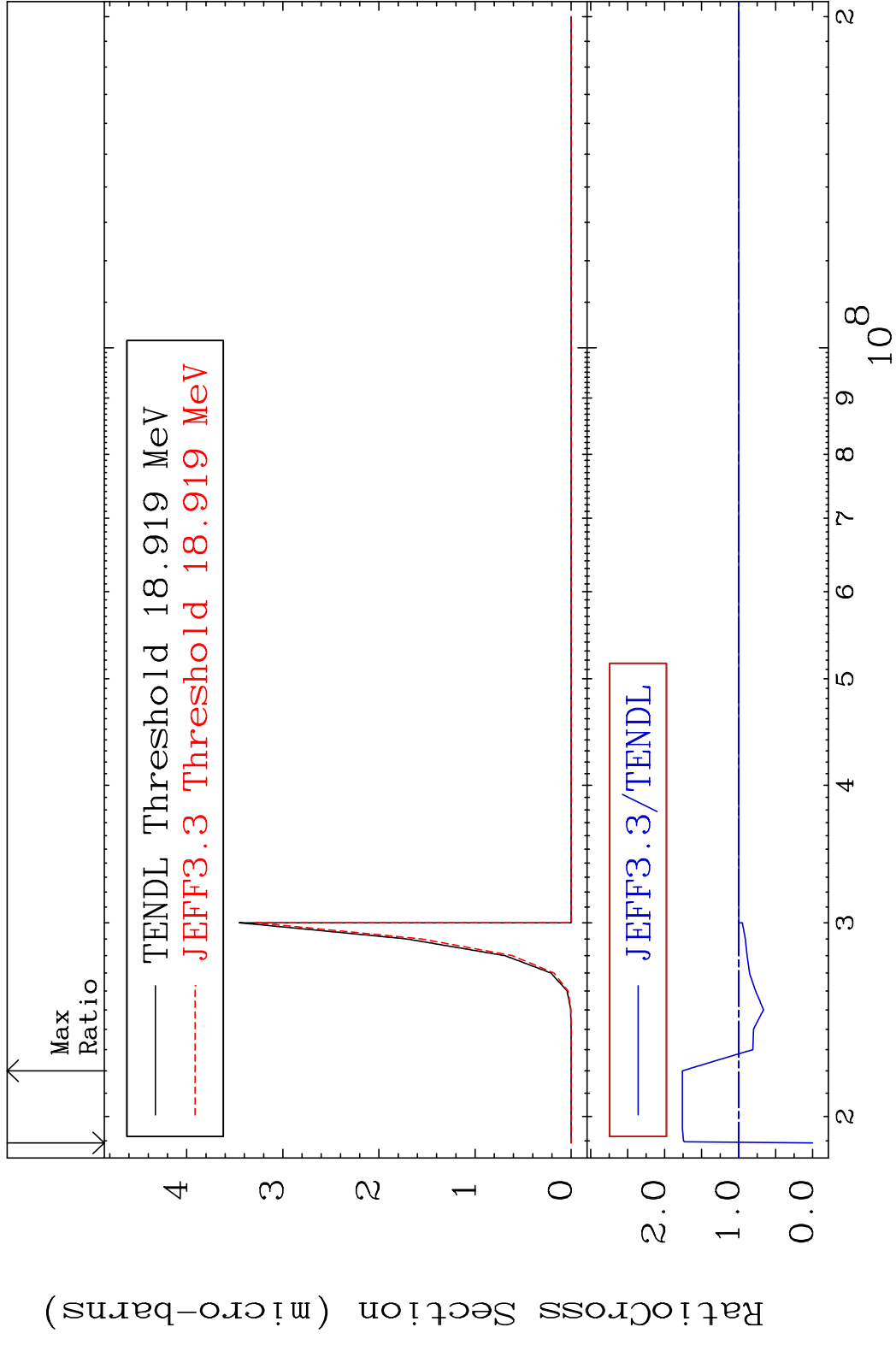


57

Incident Energy (eV)

38-Sr-86

MAT 3831 (n,p) t 38-Sr-86
 Cross Section -100.0 To 76.11 %

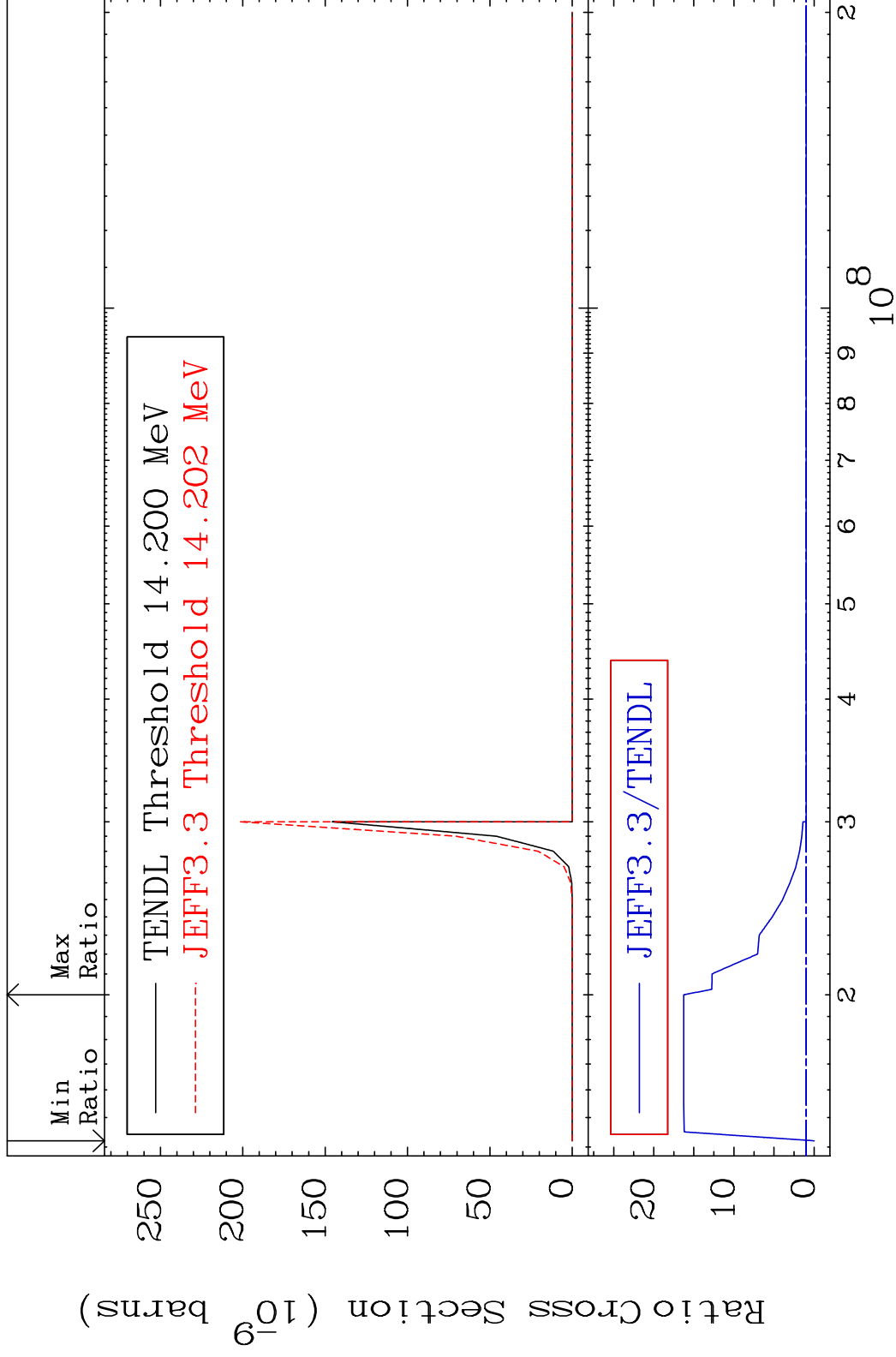


MAT 3831

(n,d) α

38-Sr-86

Cross Section -100.0 To 1527. %

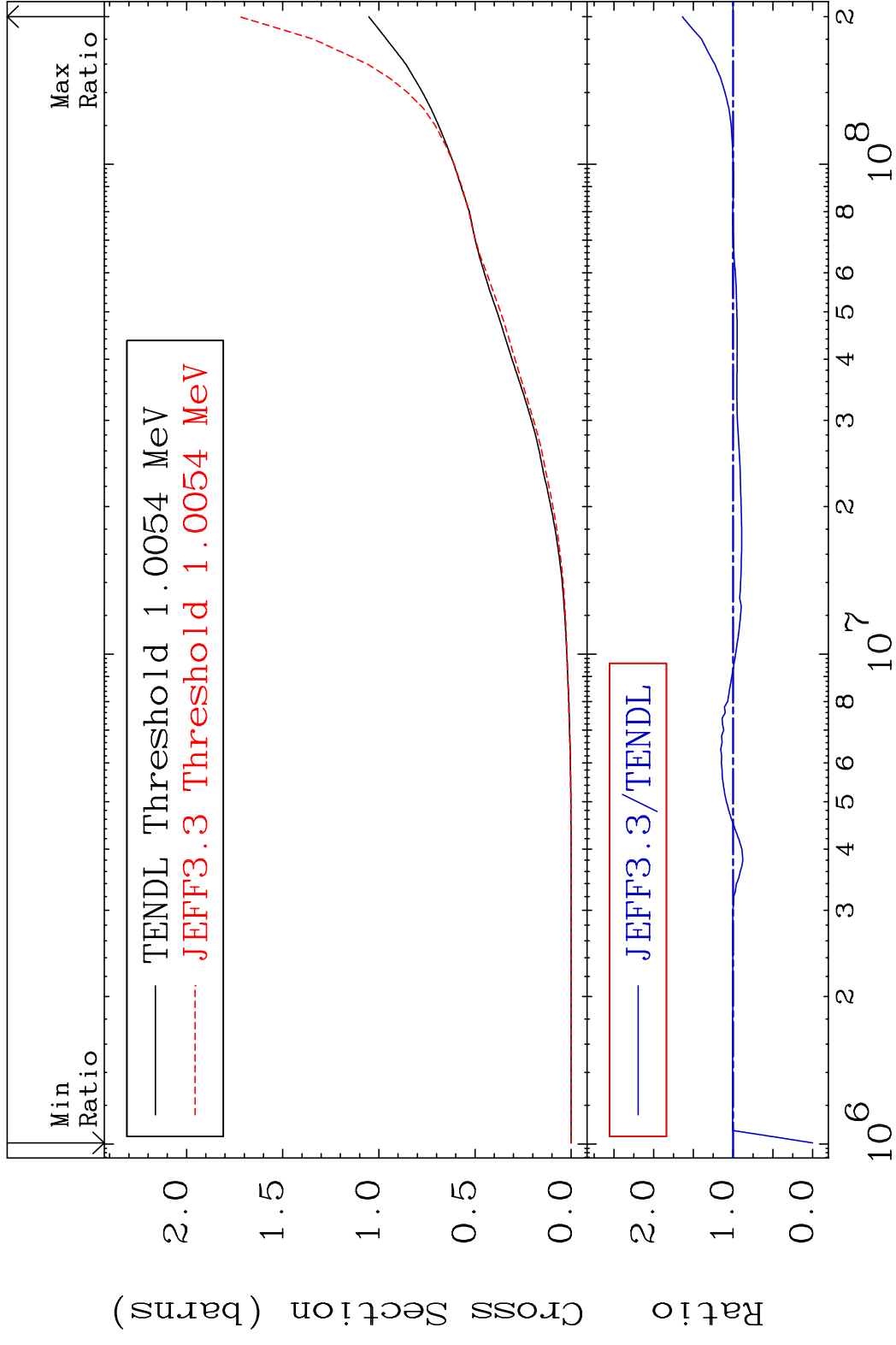


59

Incident Energy (eV)

38-Sr-86

MAT 3831 Hydrogen Production 38-Sr-86
 Cross Section -100.0 To 63.92 %



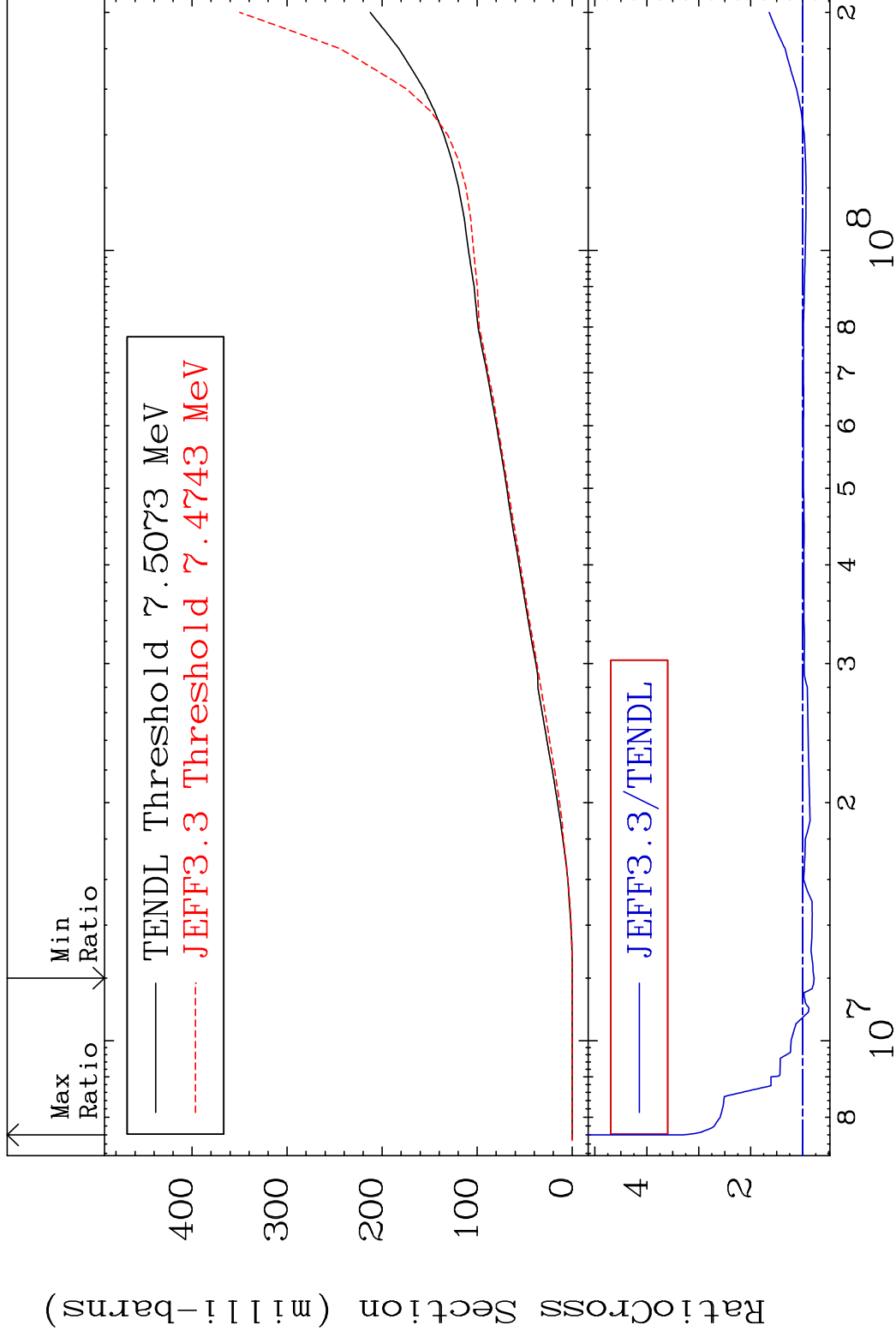
60 Incident Energy (eV) 38-Sr-86

MAT 3831

Deuterium Production

38-Sr-86

Cross Section -21.97 To 229.1 %

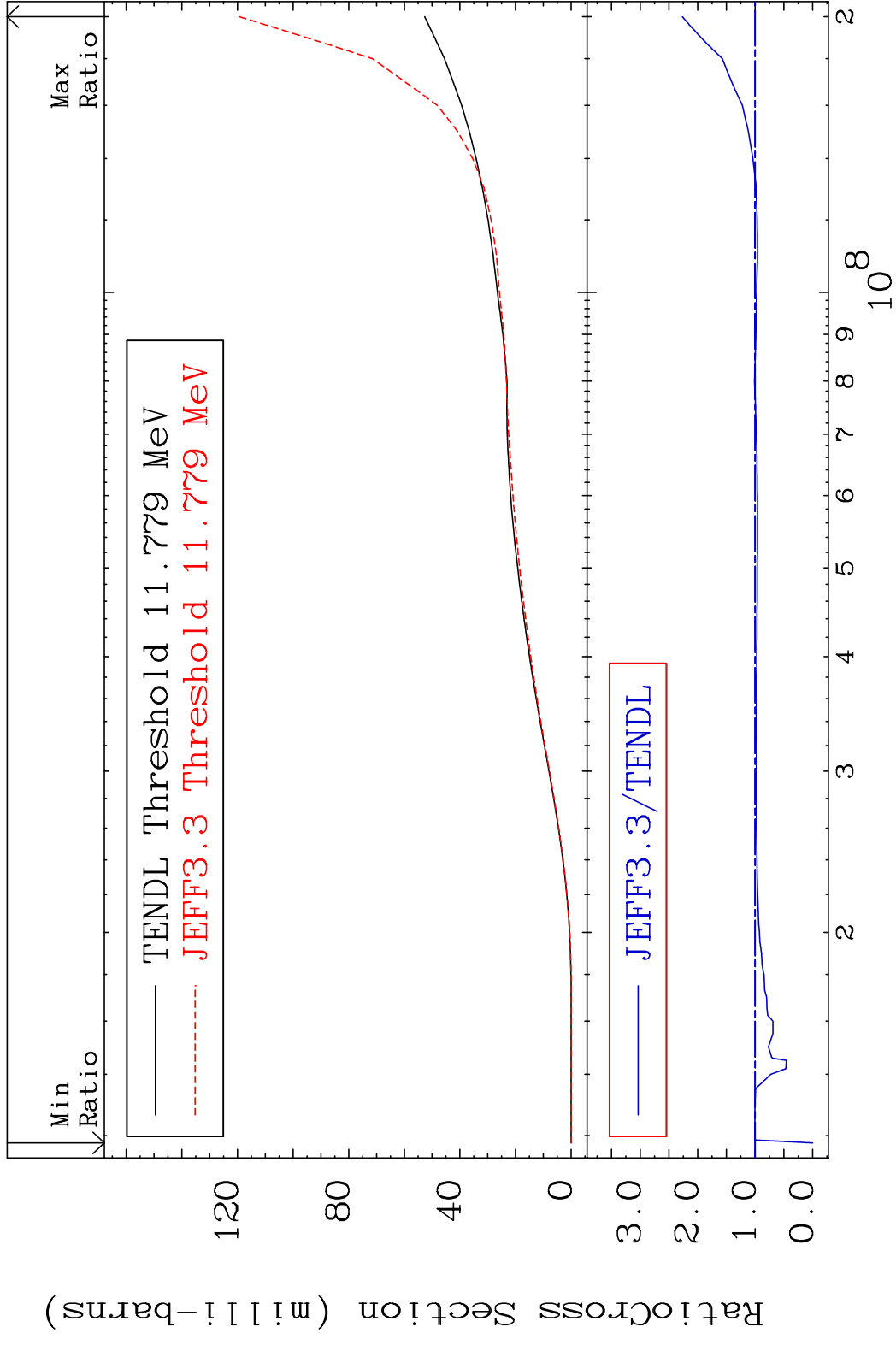


61

Incident Energy (eV)

38-Sr-86

MAT 3831 Tritium Production 38-Sr-86
 Cross Section -100.0 To 126.5 %

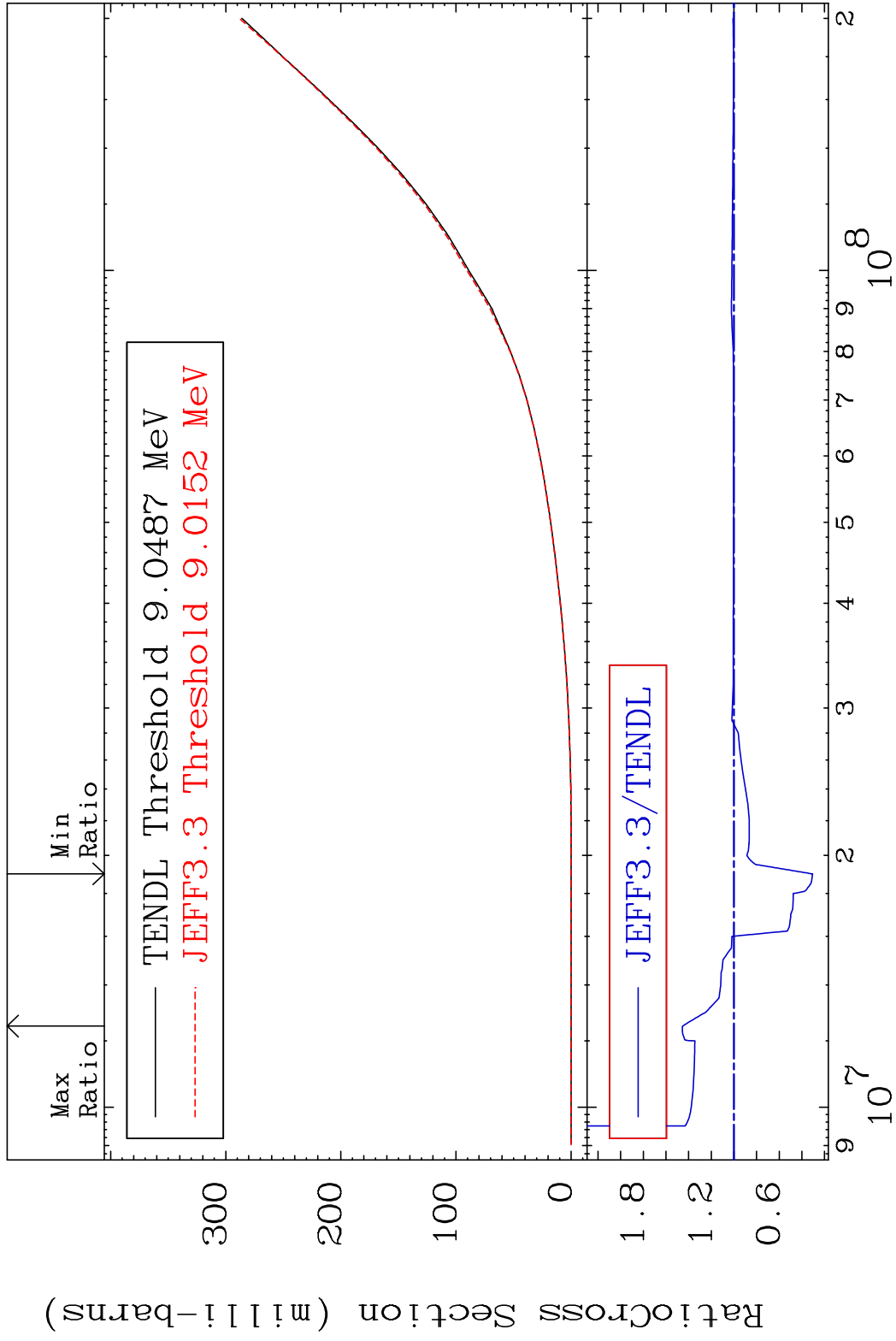


MAT 3831

He-3 Production

38-Sr-86

Cross Section -69.46 To 45.53 %



63

Incident Energy (eV)

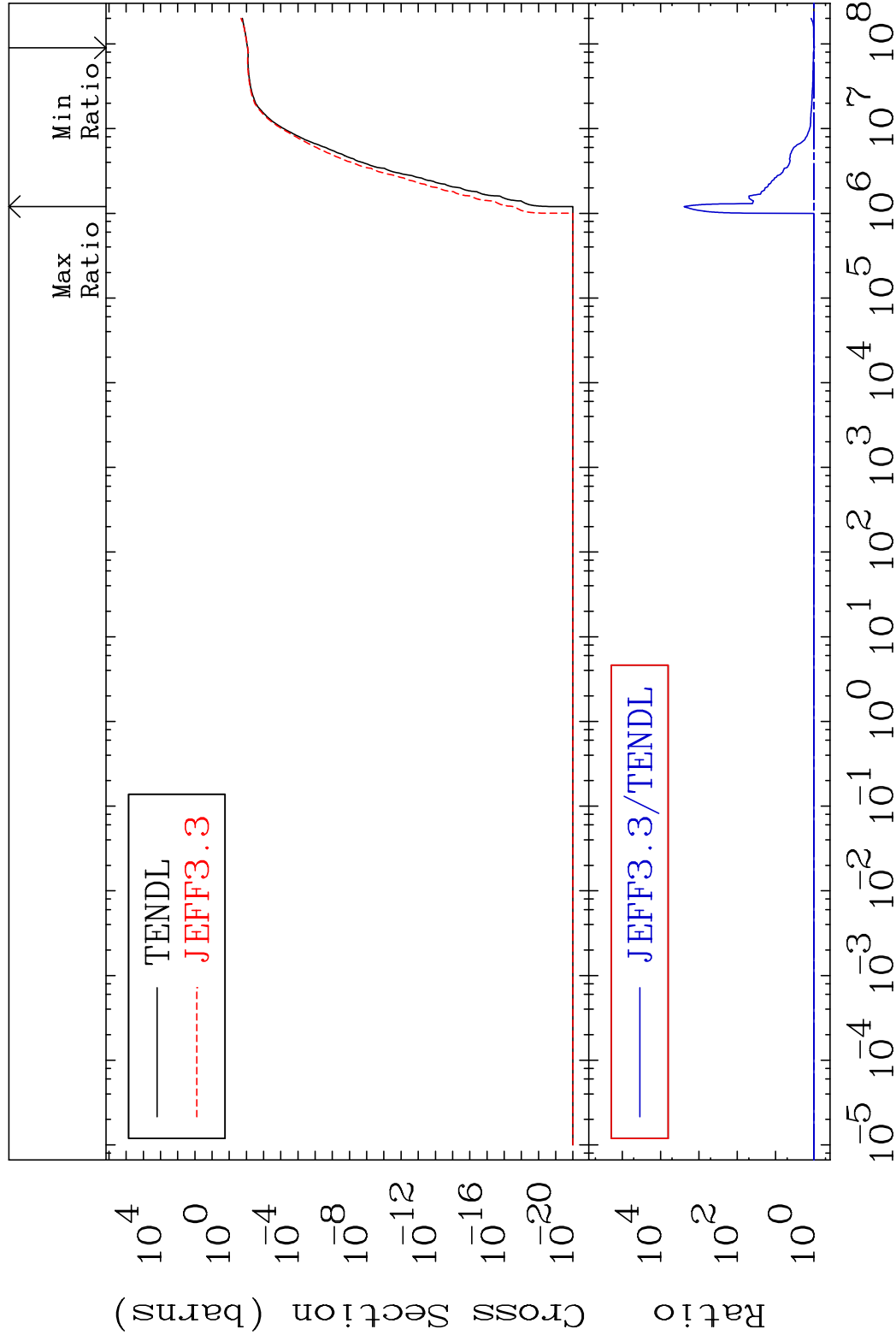
38-Sr-86

MAT 3831

He-4 Production

38-Sr-86

Cross Section -1.751 To 9999. %

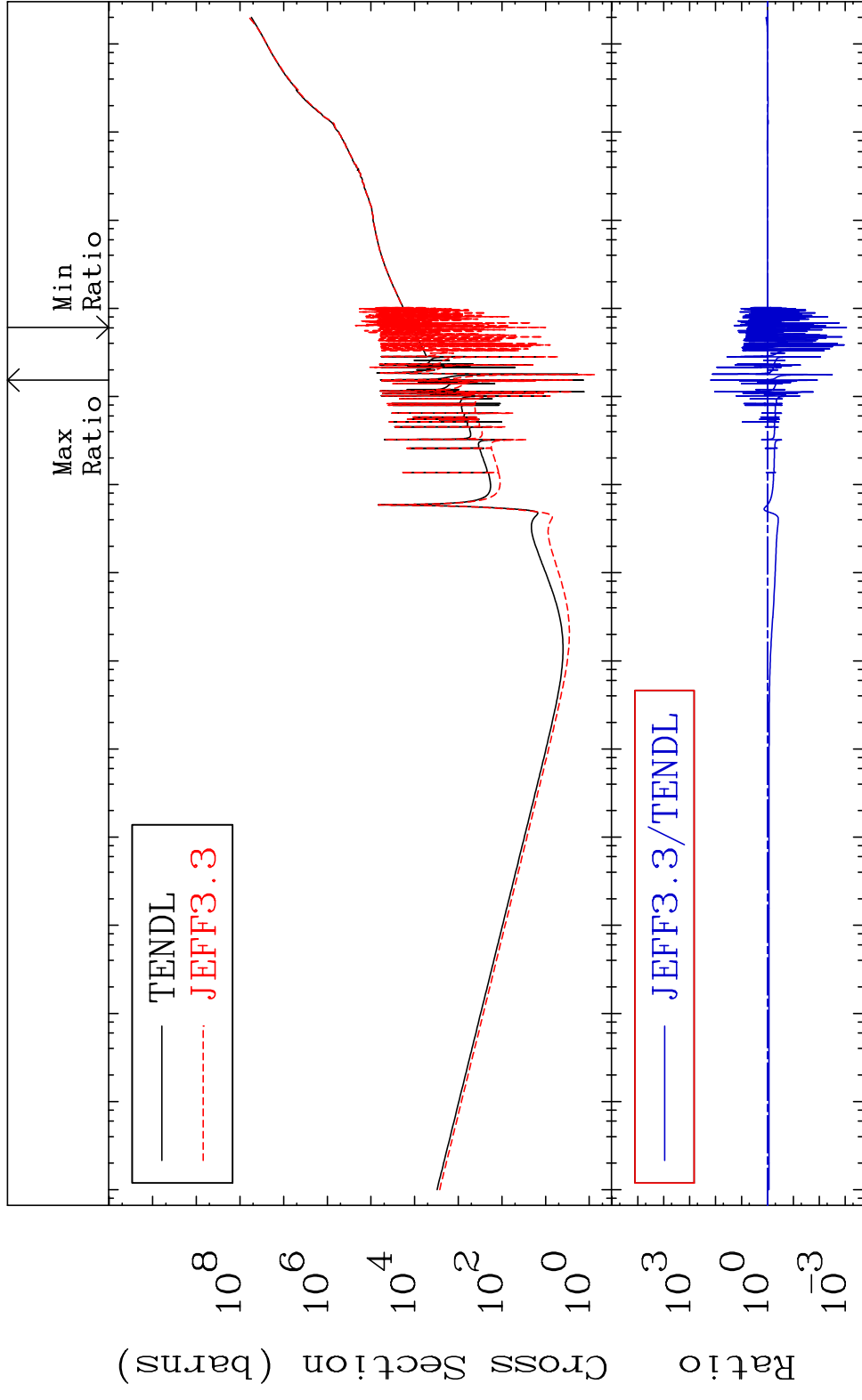


64

Incident Energy (eV)

38-Sr-86

MAT 3831 Kerma total (eV-barns) 38-Sr-86
 Cross Section -99.91 To 9999. %



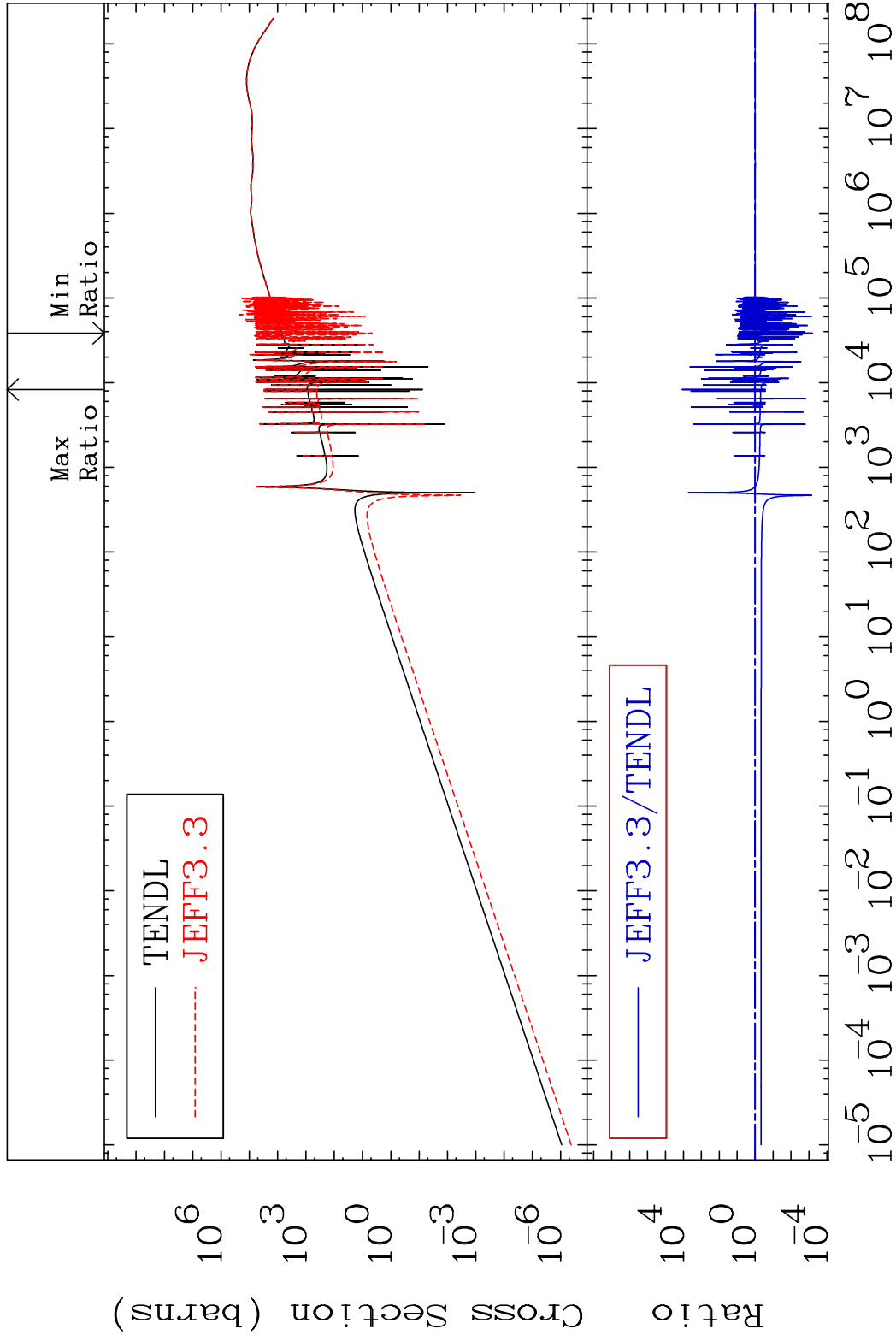
65 Incident Energy (eV) 38-Sr-86

MAT 3831

Kerma elastic

38-Sr-86

Cross Section -99.94 To 9999. %

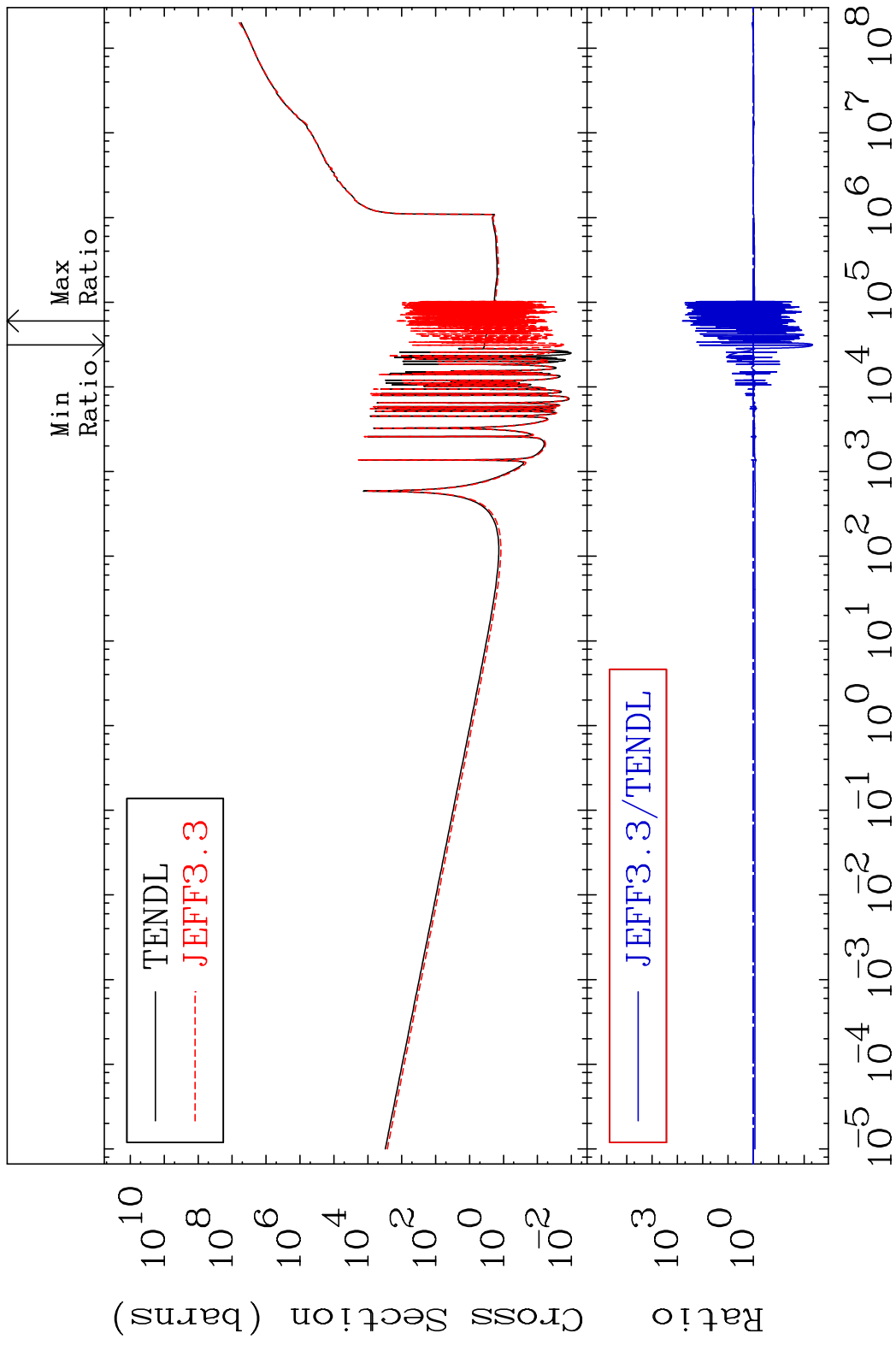


66

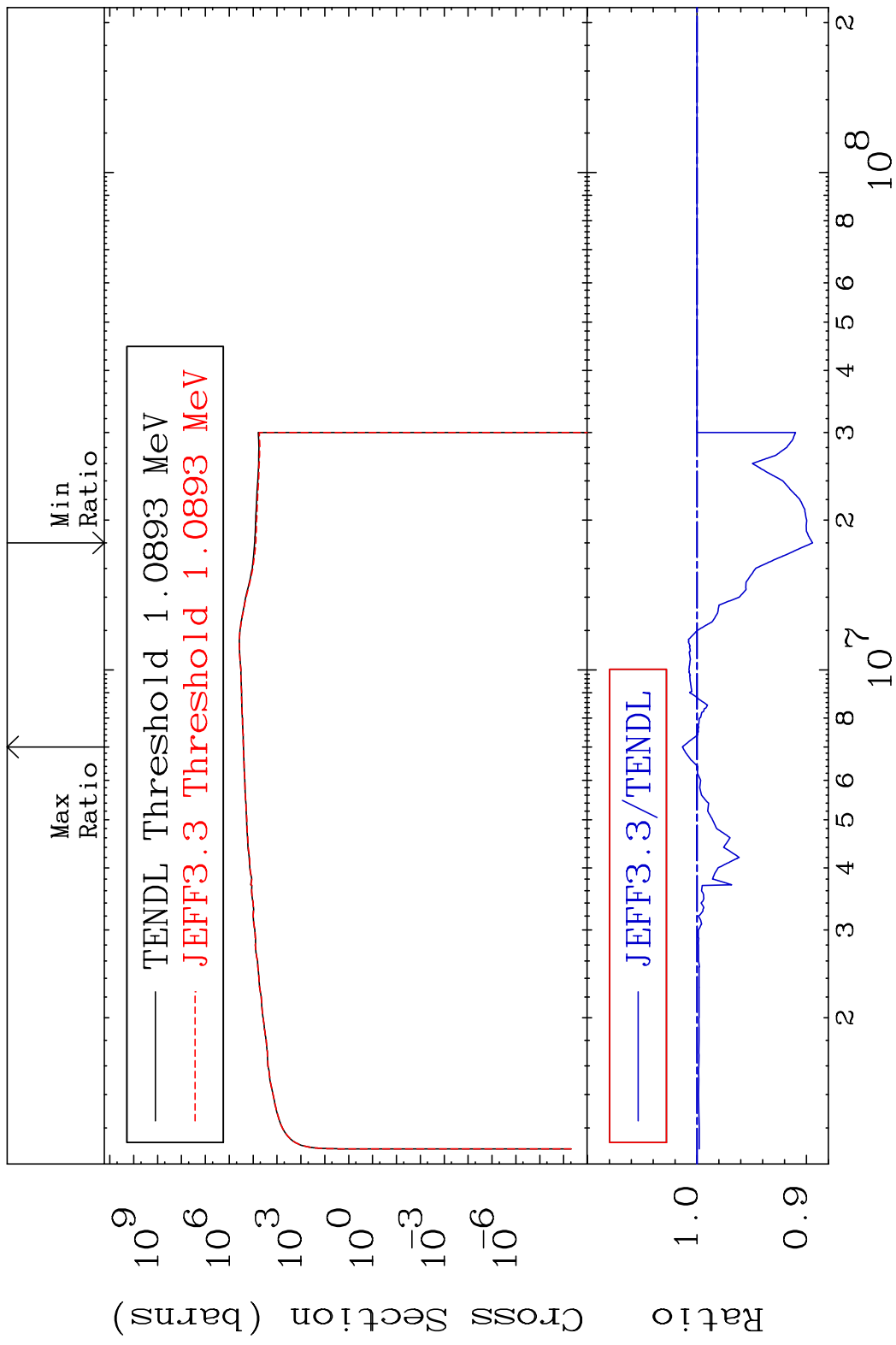
Incident Energy (eV)

38-Sr-86

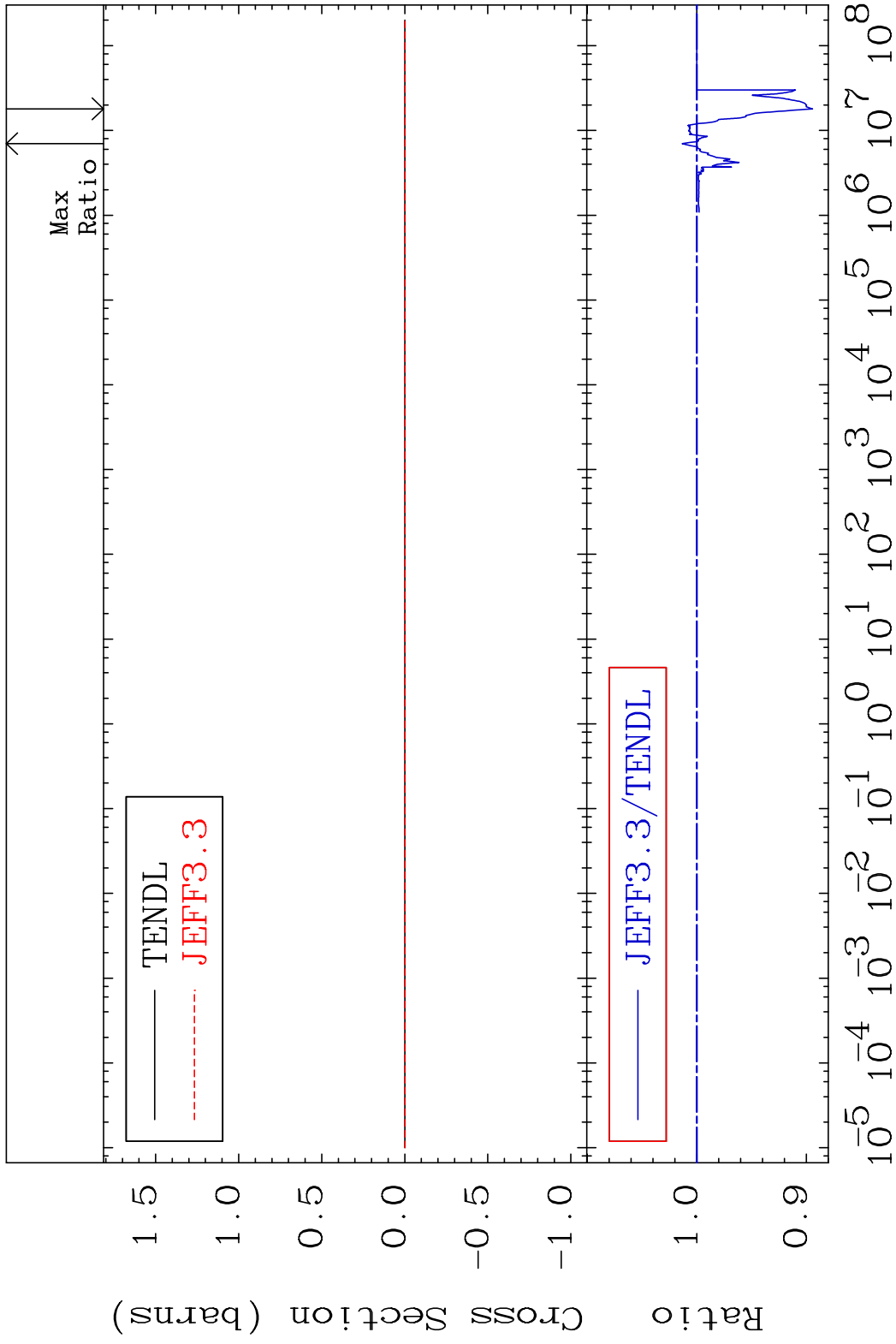
MAT 3831 Kerma non-elastic (all but mt2) 38-Sr-86
 Cross Section -99.54 To 9999. %



MAT 3831 Kerma inelastic (mt51-91) 38-Sr-86
 Cross Section -10.56 To 1.340 %



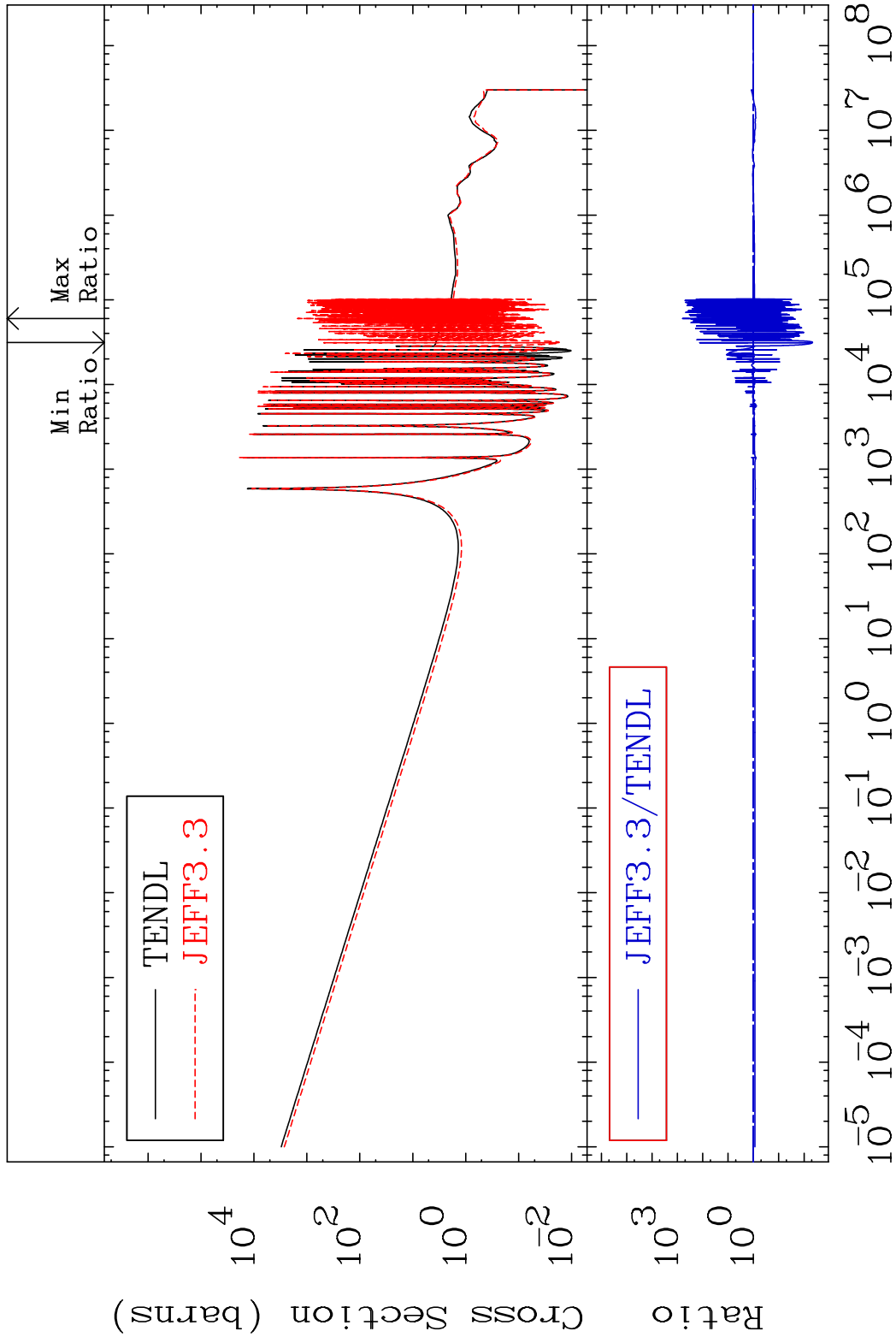
MAT 3831 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-86
 Cross Section -10.56 To 1.340 %



MAT 3831

Kerma capture (mt102) 38-Sr-86

Cross Section -99.54 To 9999. %

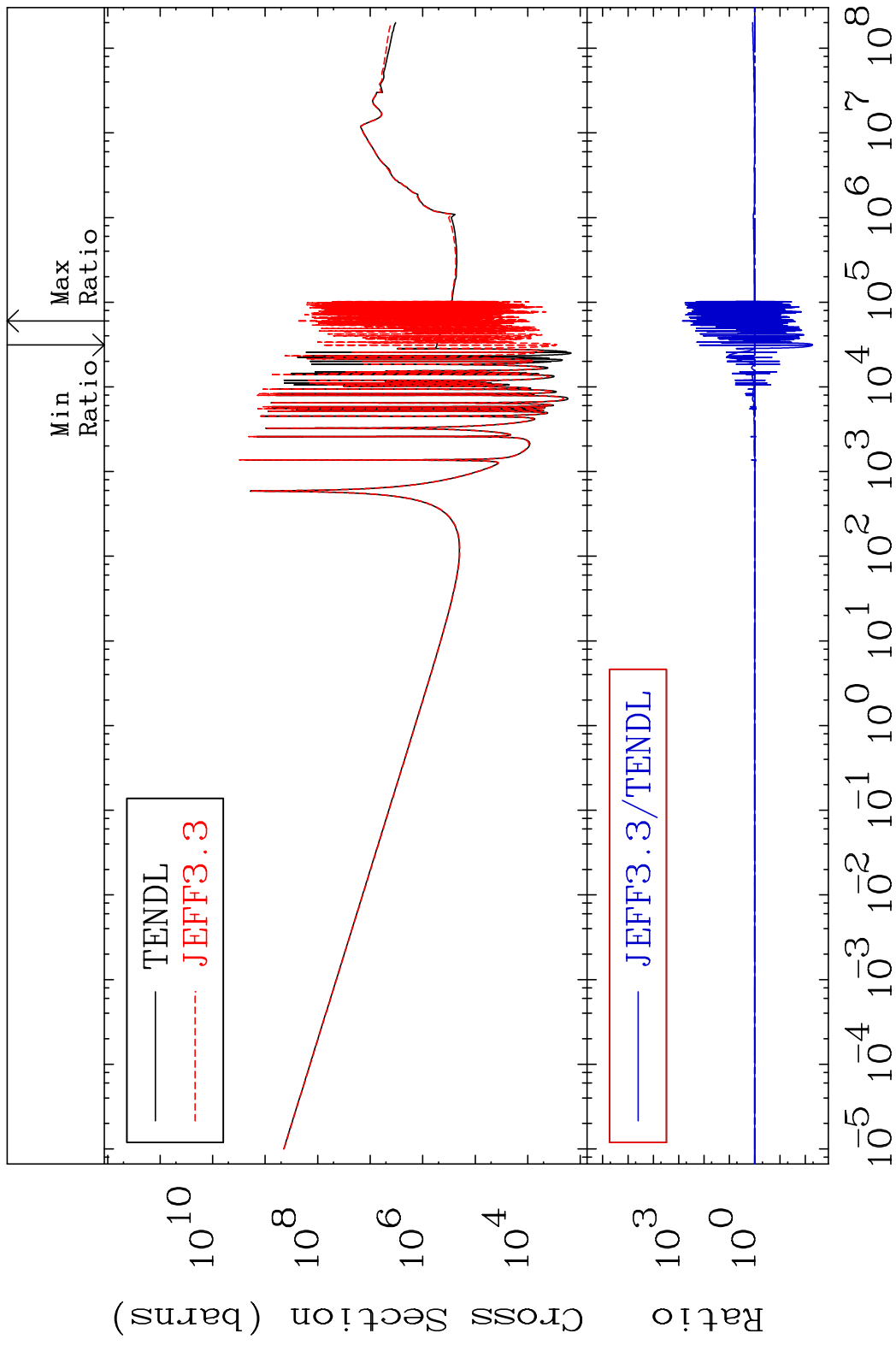


70

Incident Energy (eV)

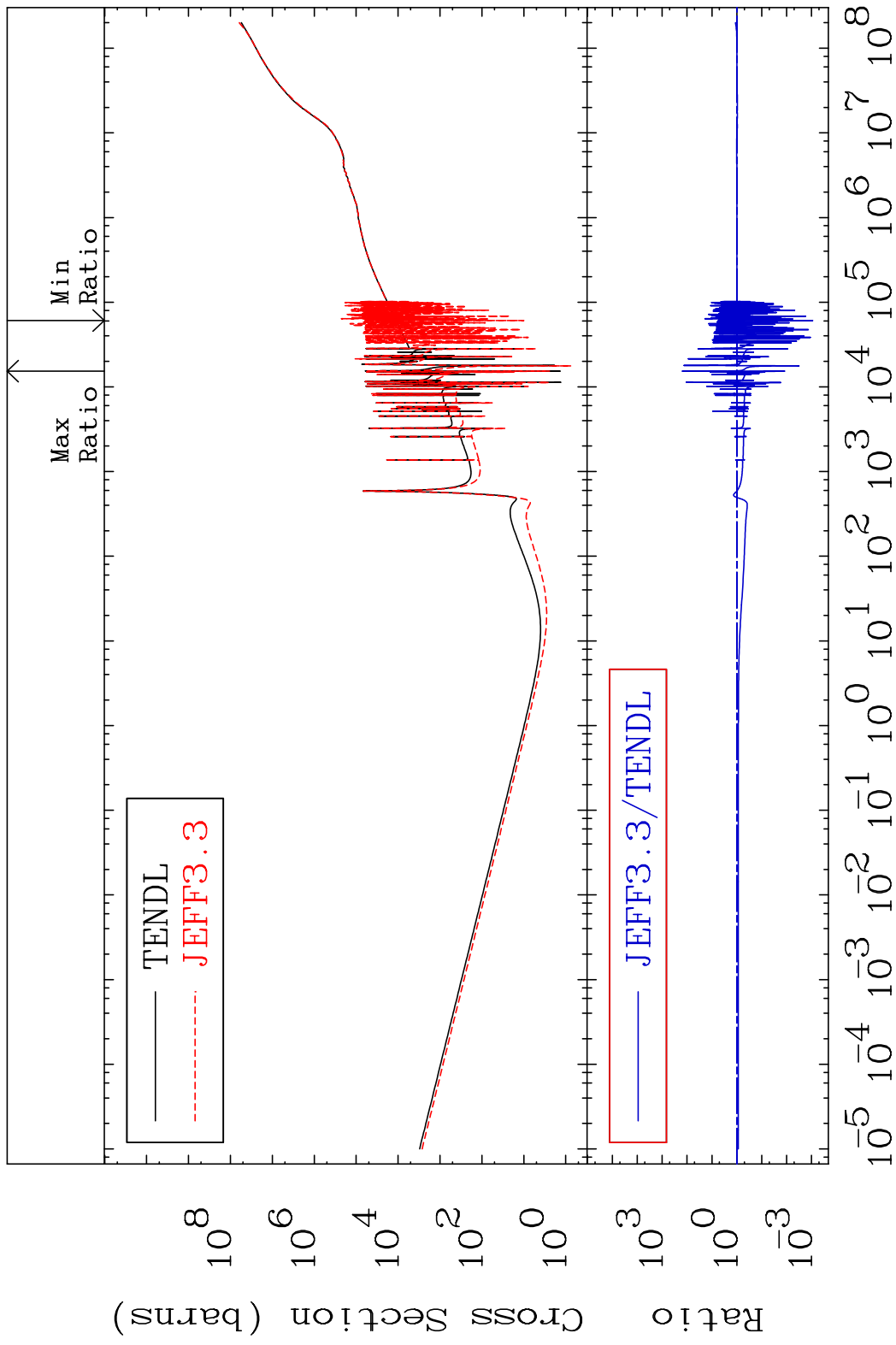
38-Sr-86

MAT 3831 Total photon (eV-barns) 38-Sr-86
 Cross Section -99.48 To 9999. %



71 Incident Energy (eV) 38-Sr-86

MAT 3831 Total kinematic kerma (high limit) 38-Sr-86
 Cross Section -99.91 To 9999. %

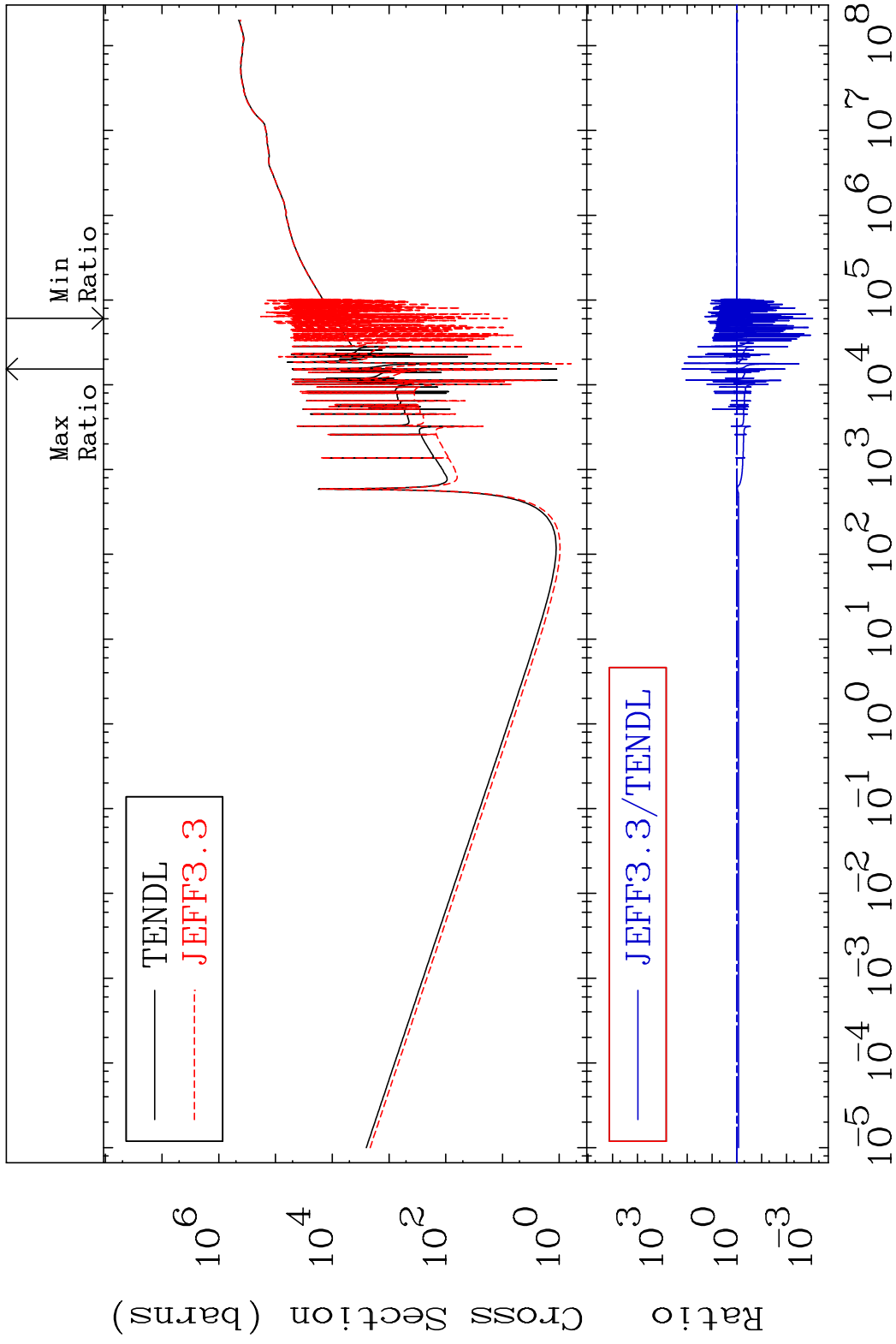


MAT 3831

Dpa total (eV-barns)

38-Sr-86

Cross Section -99.91 To 9999. %



73

Incident Energy (eV)

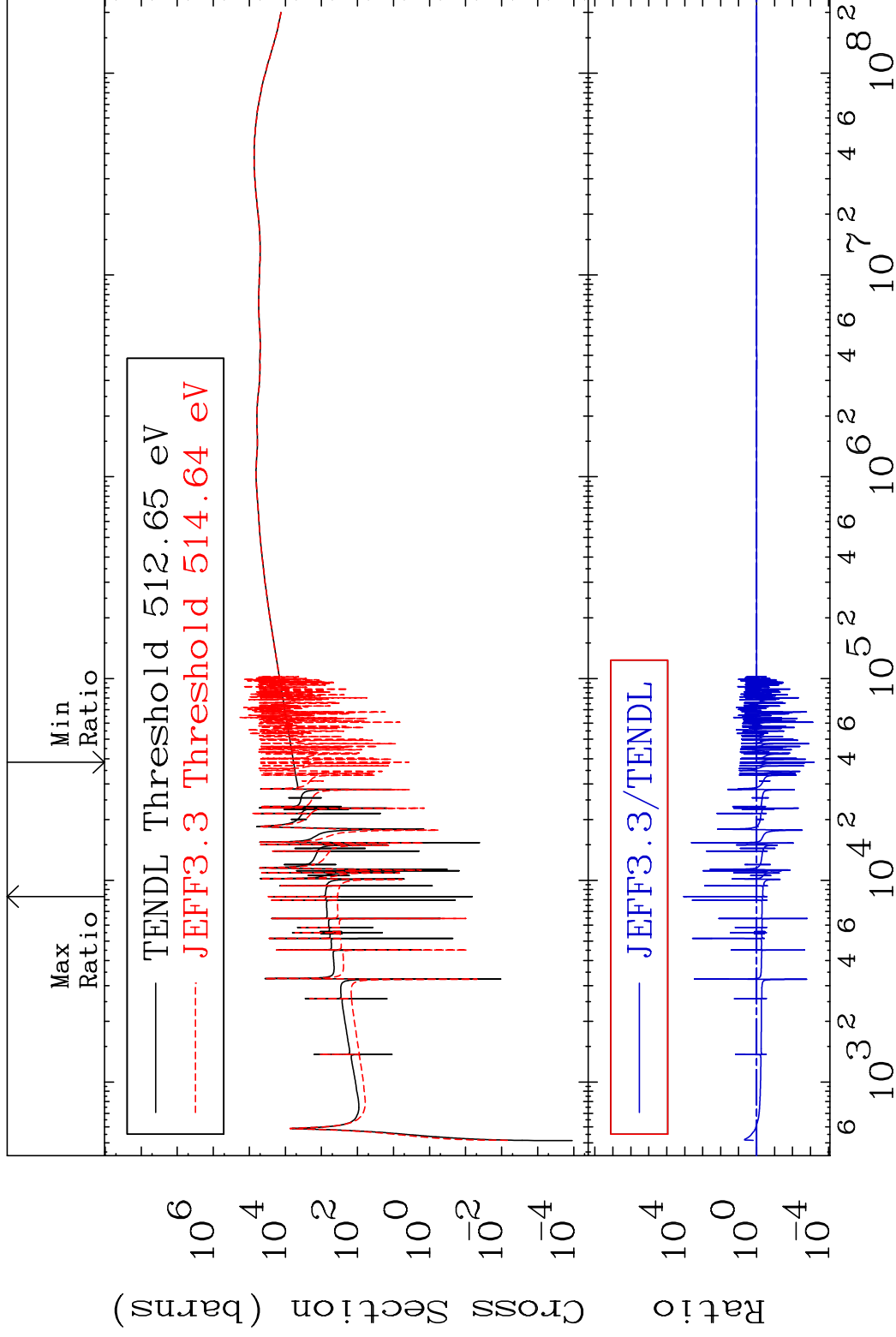
38-Sr-86

MAT 3831

Dpa elastic (mt2)

38-Sr-86

Cross Section -99.94 To 9999. %

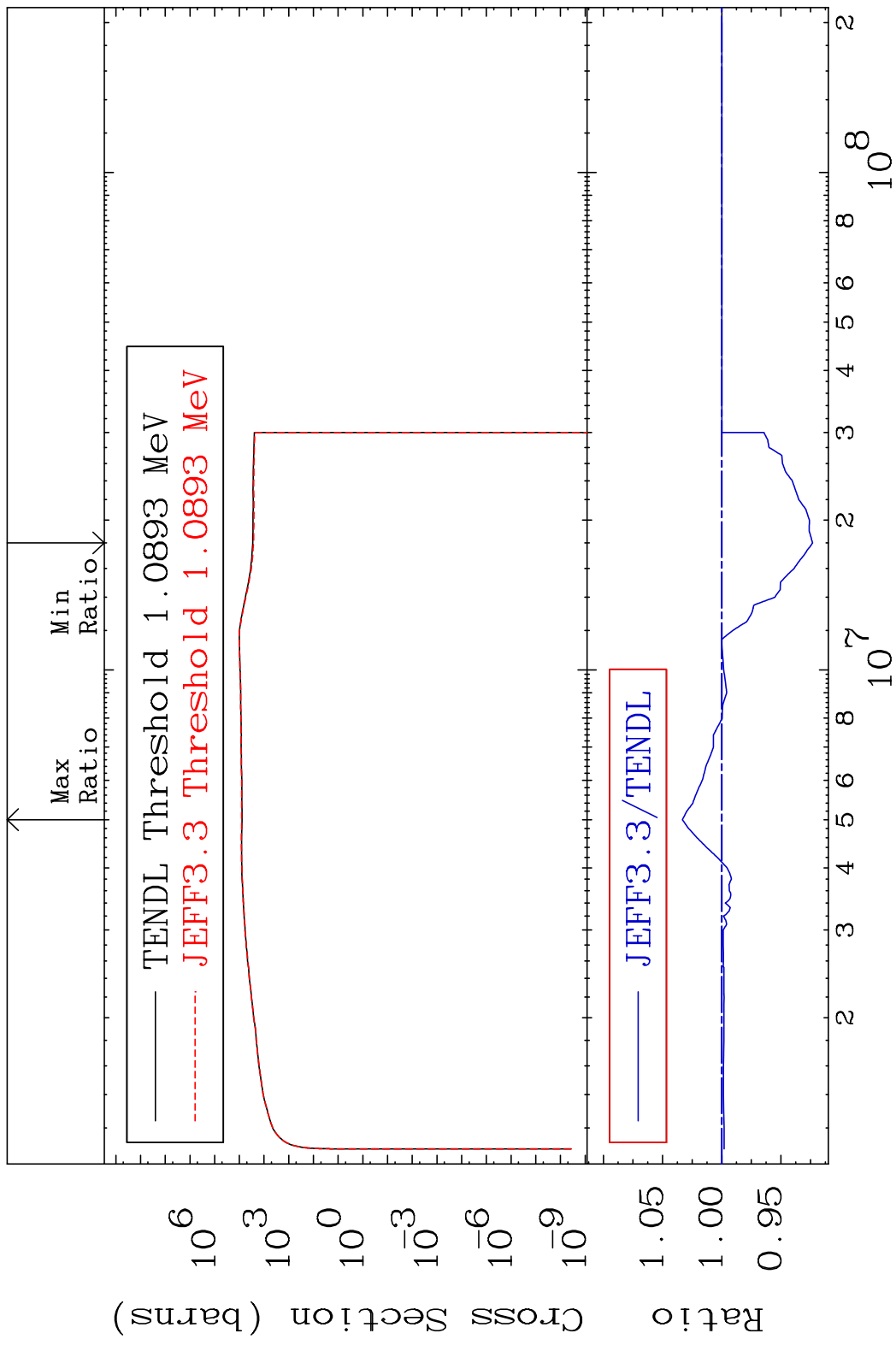


74

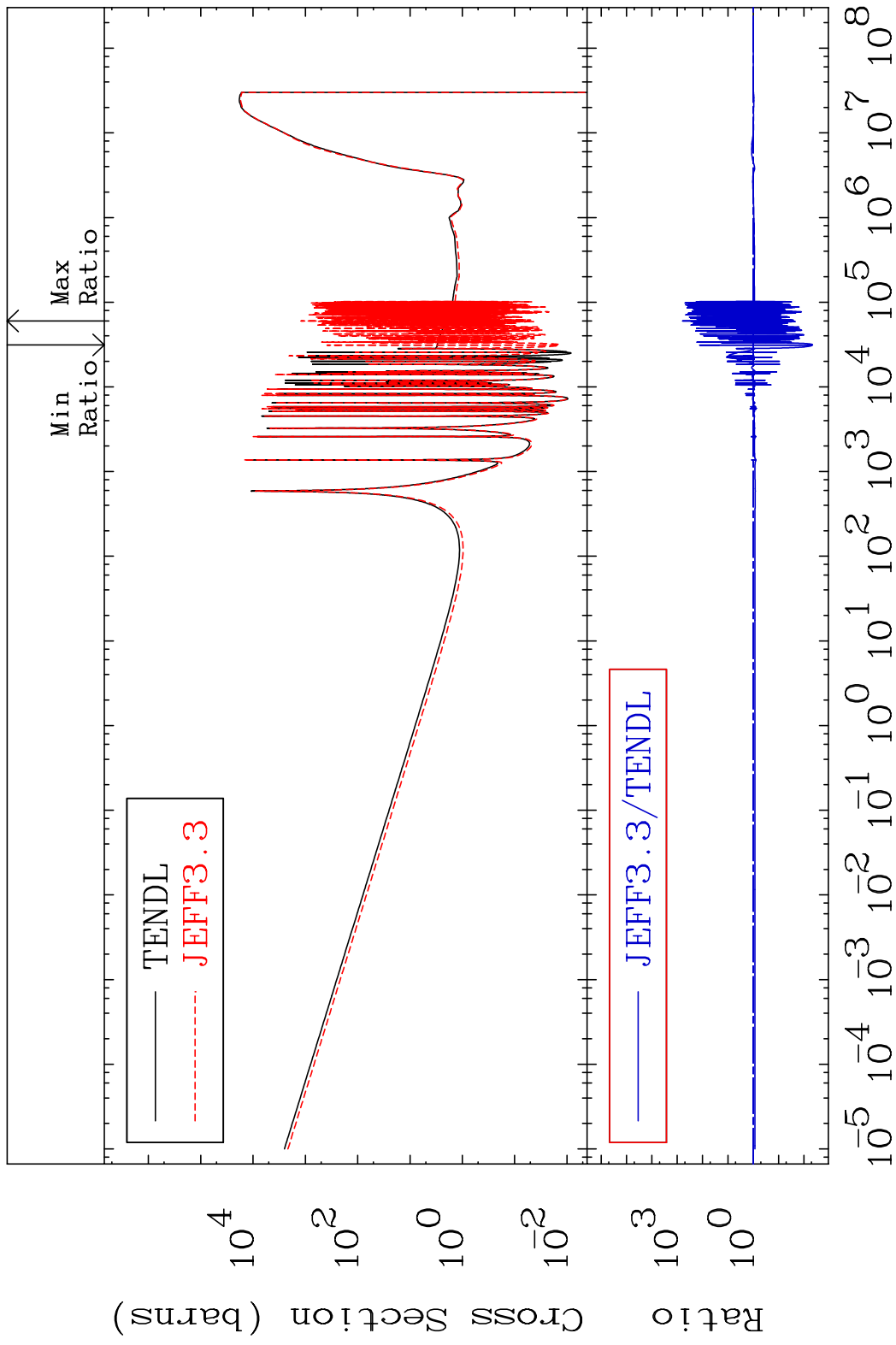
Incident Energy (eV)

38-Sr-86

MAT 3831 Dpa inelastic (mt51-91) 38-Sr-86
 Cross Section -7.674 To 3.327 %

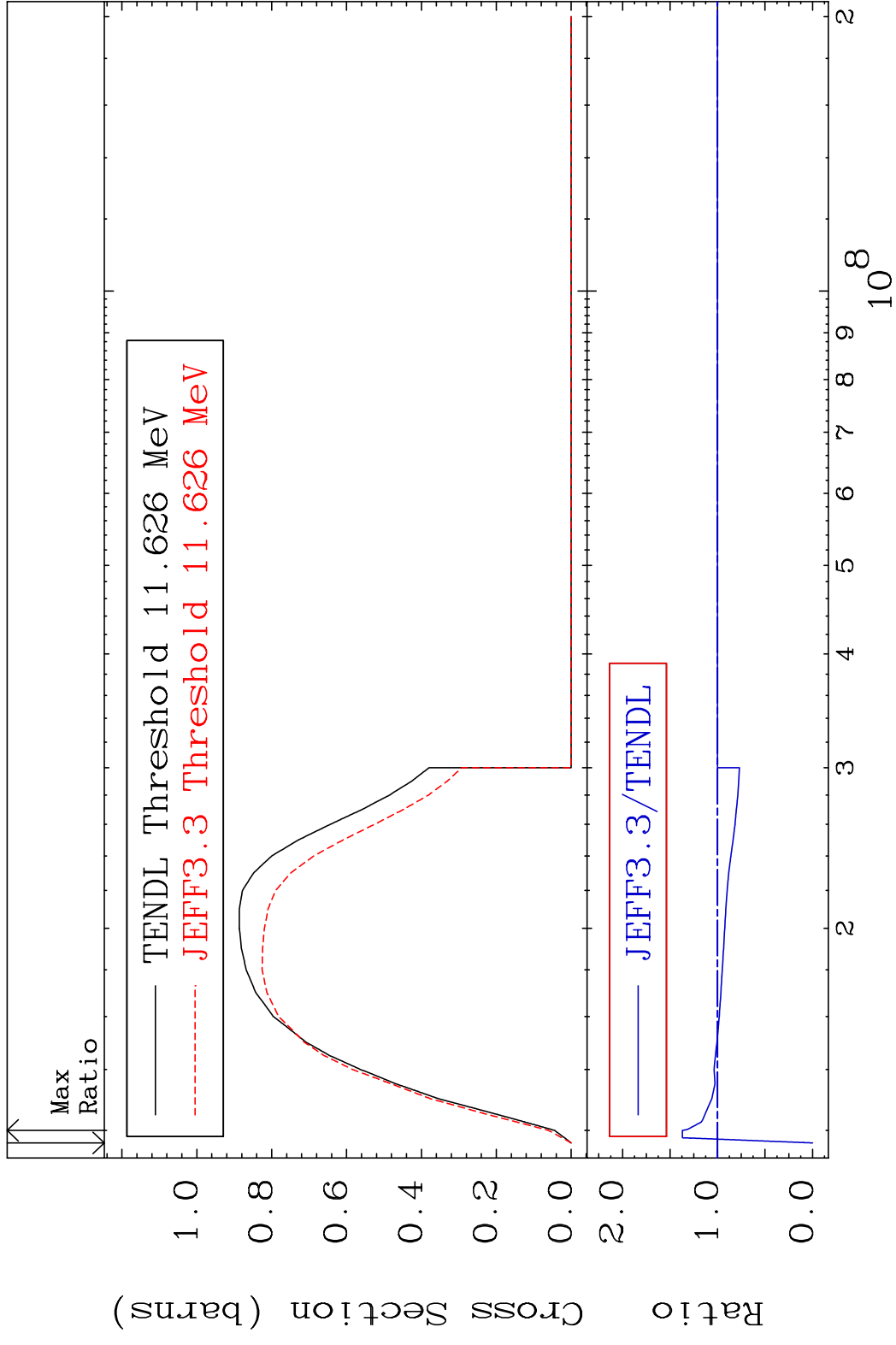


MAT 3831 Dpa disappearance (mt102 -120) 38-Sr-86
 Cross Section -99.54 To 9999. %

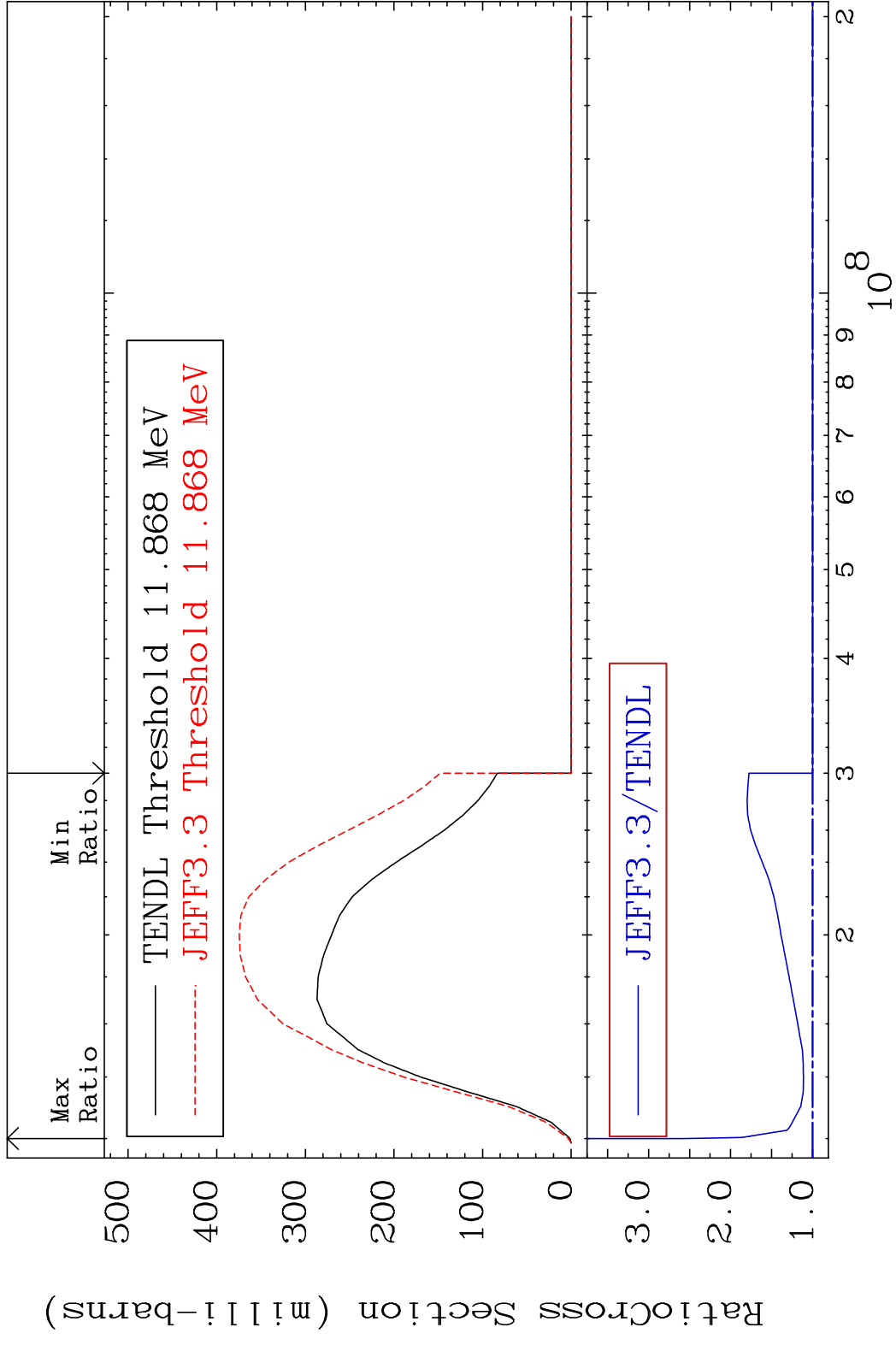


76 Incident Energy (eV) 38-Sr-86

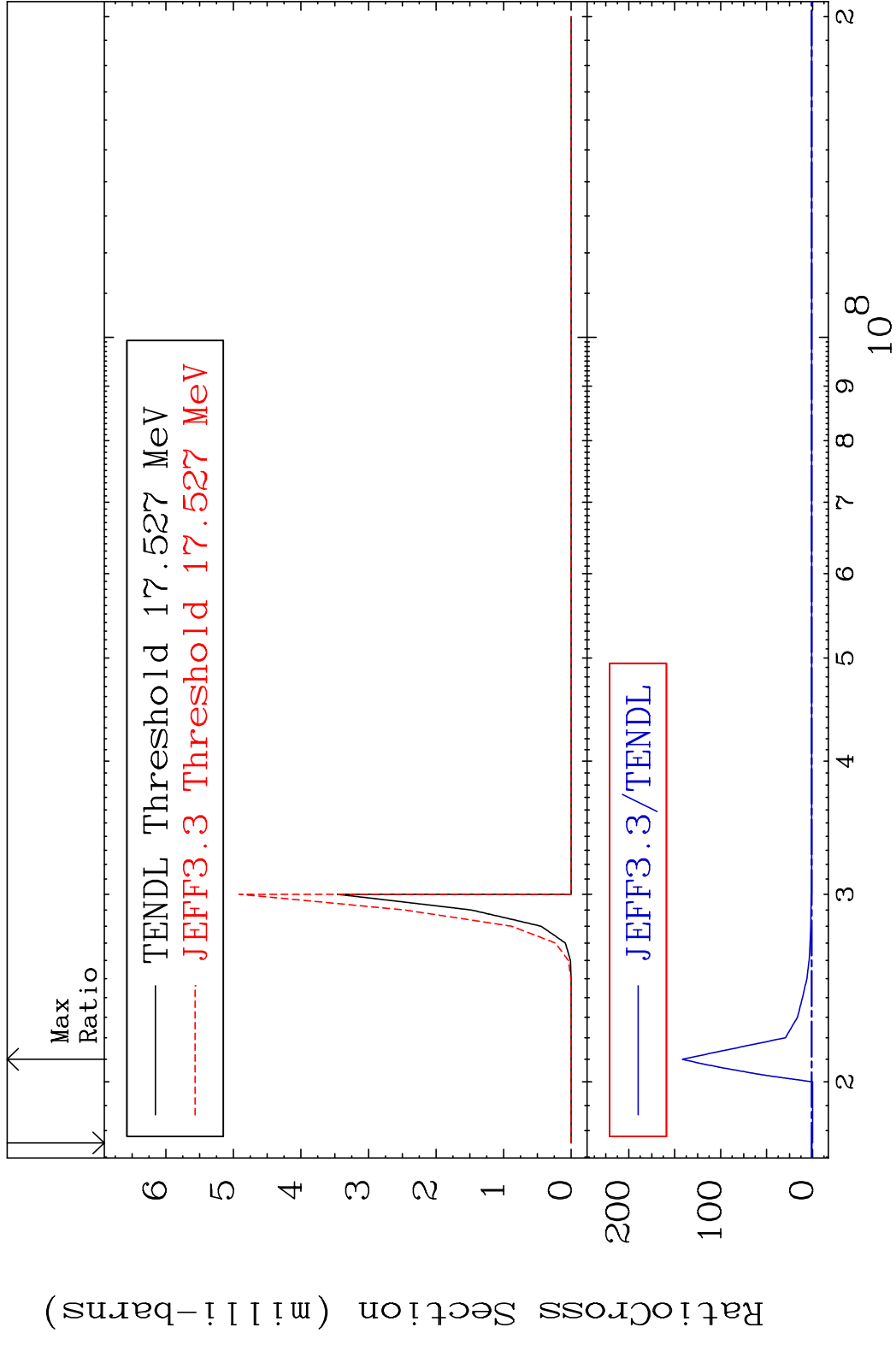
MAT 3831 (n,2n):38-Sr-85g 38-Sr-86
 Radionuclide Production Cross Section Ratio 37.05 %



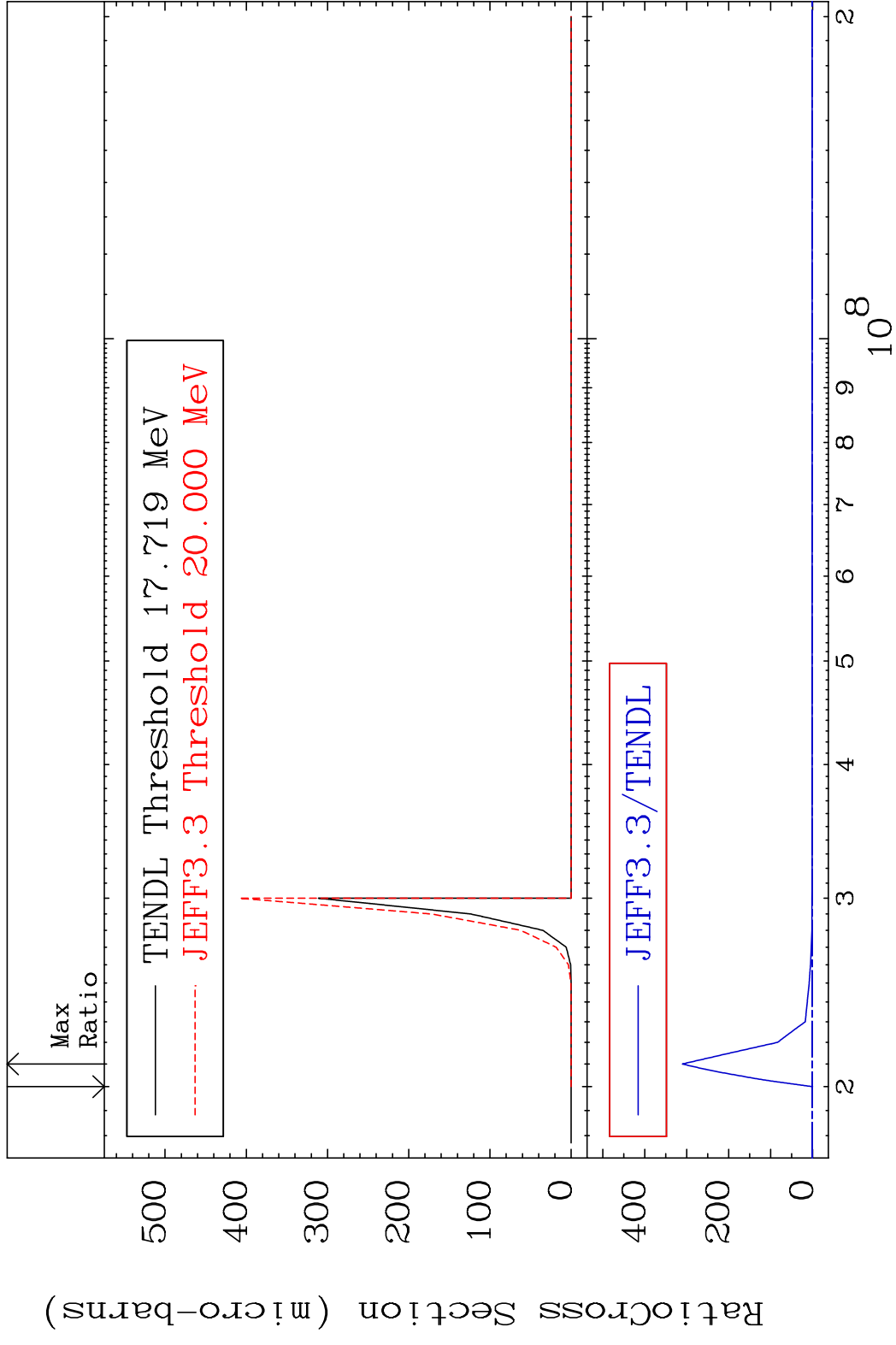
MAT 3831 (n,2n):38-Sr-85m2 38-Sr-86
 Radionuclide Production Cross Section 158.8 %

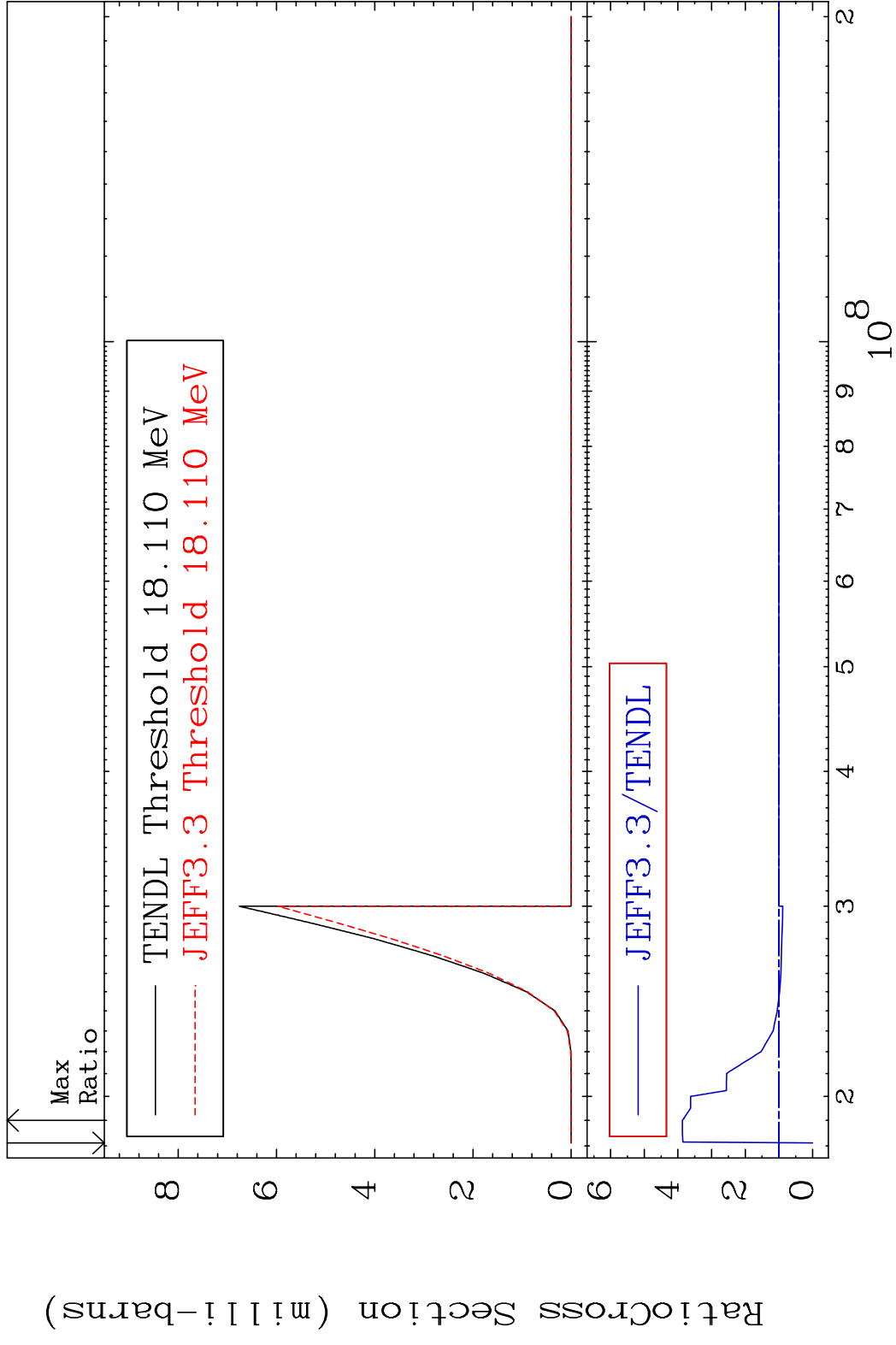


MAT 3831 (n,2n) α :36-Kr-81g 38-Sr-86
 Radionuclide Production Cross Section 1800 d to 9999. %

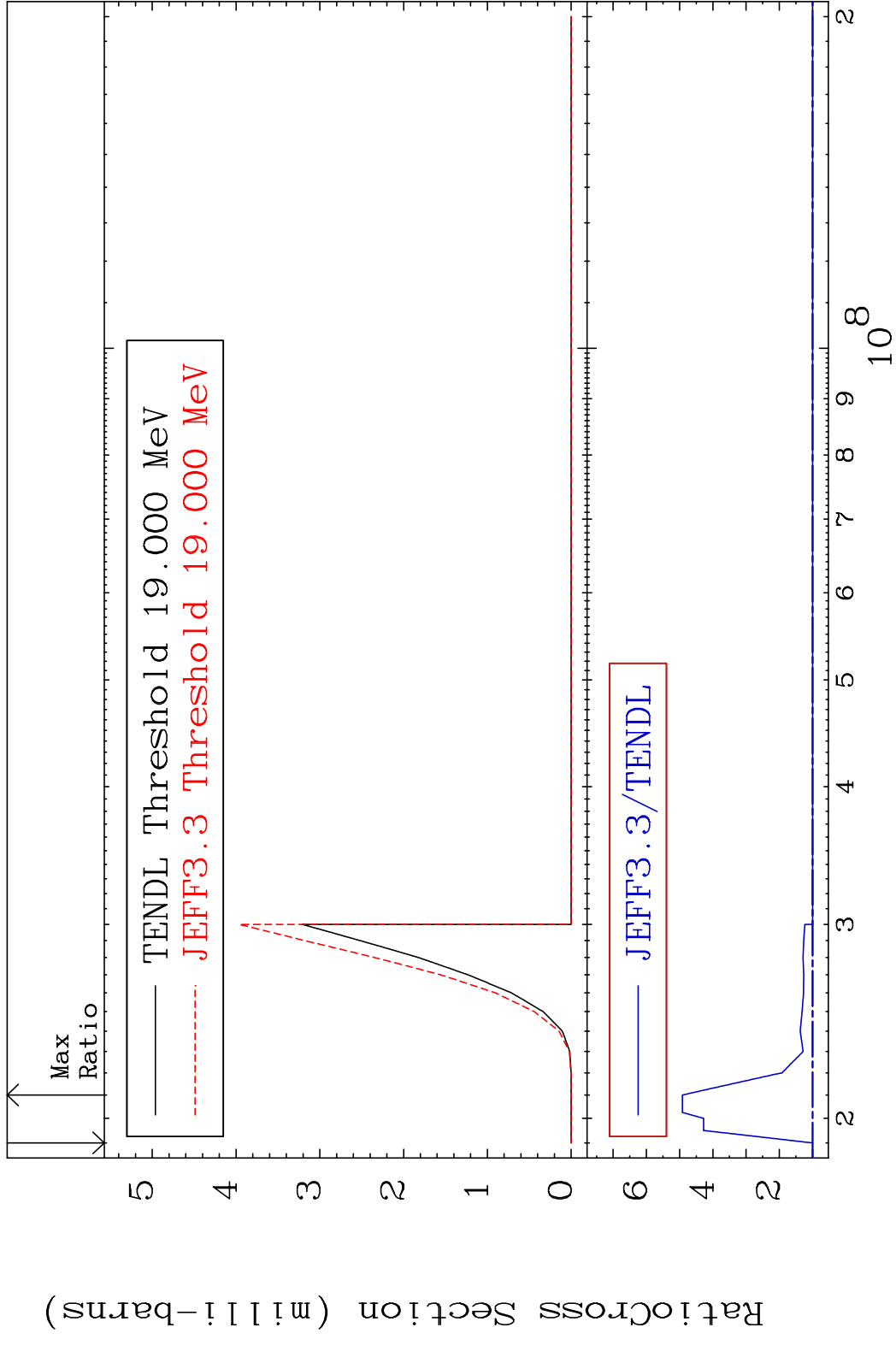


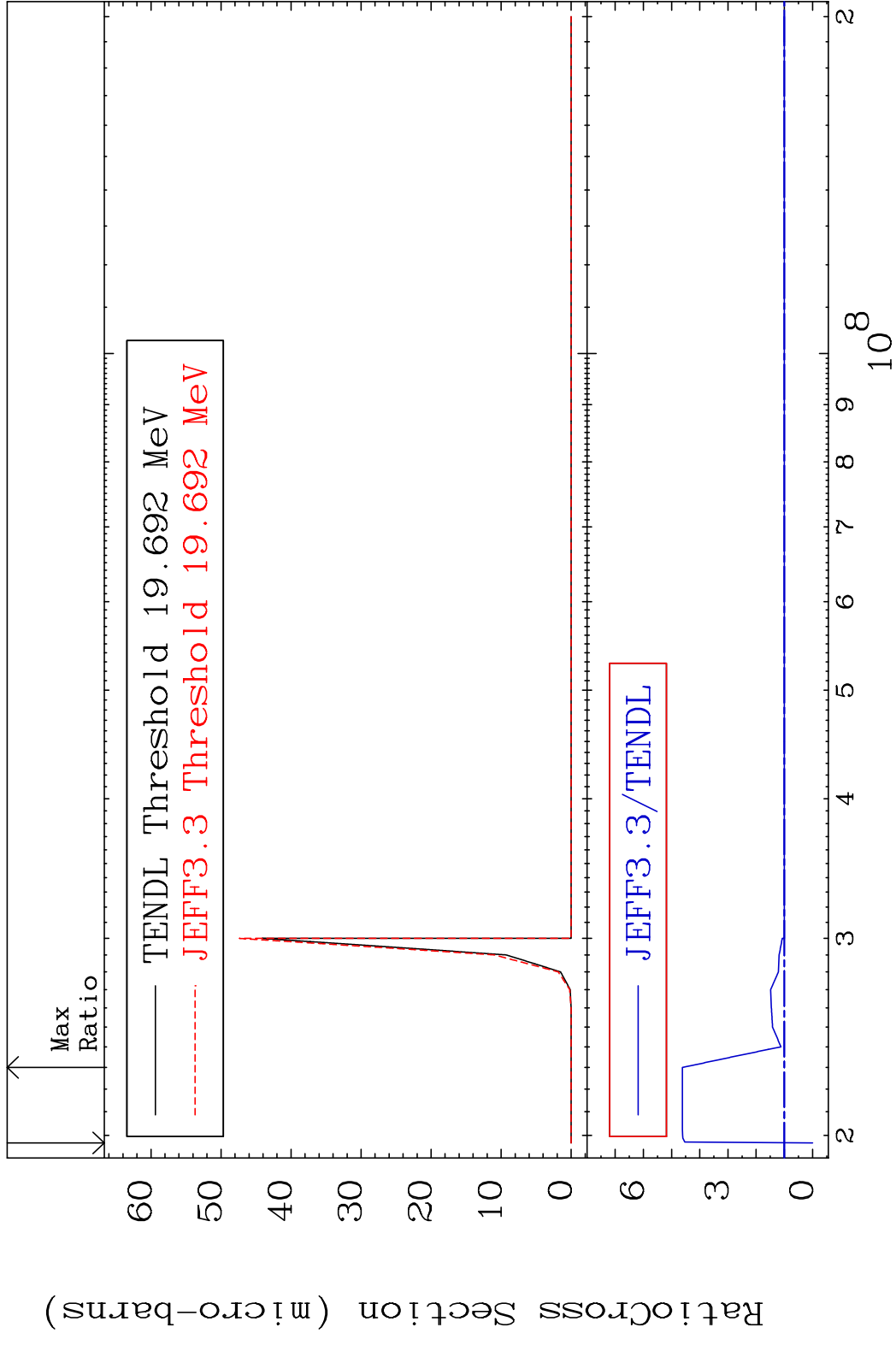
MAT 3831 (n,2n) α :36-Kr-81m2 38-Sr-86
 Radionuclide Production Cross Section 1800 dtd 9999. %

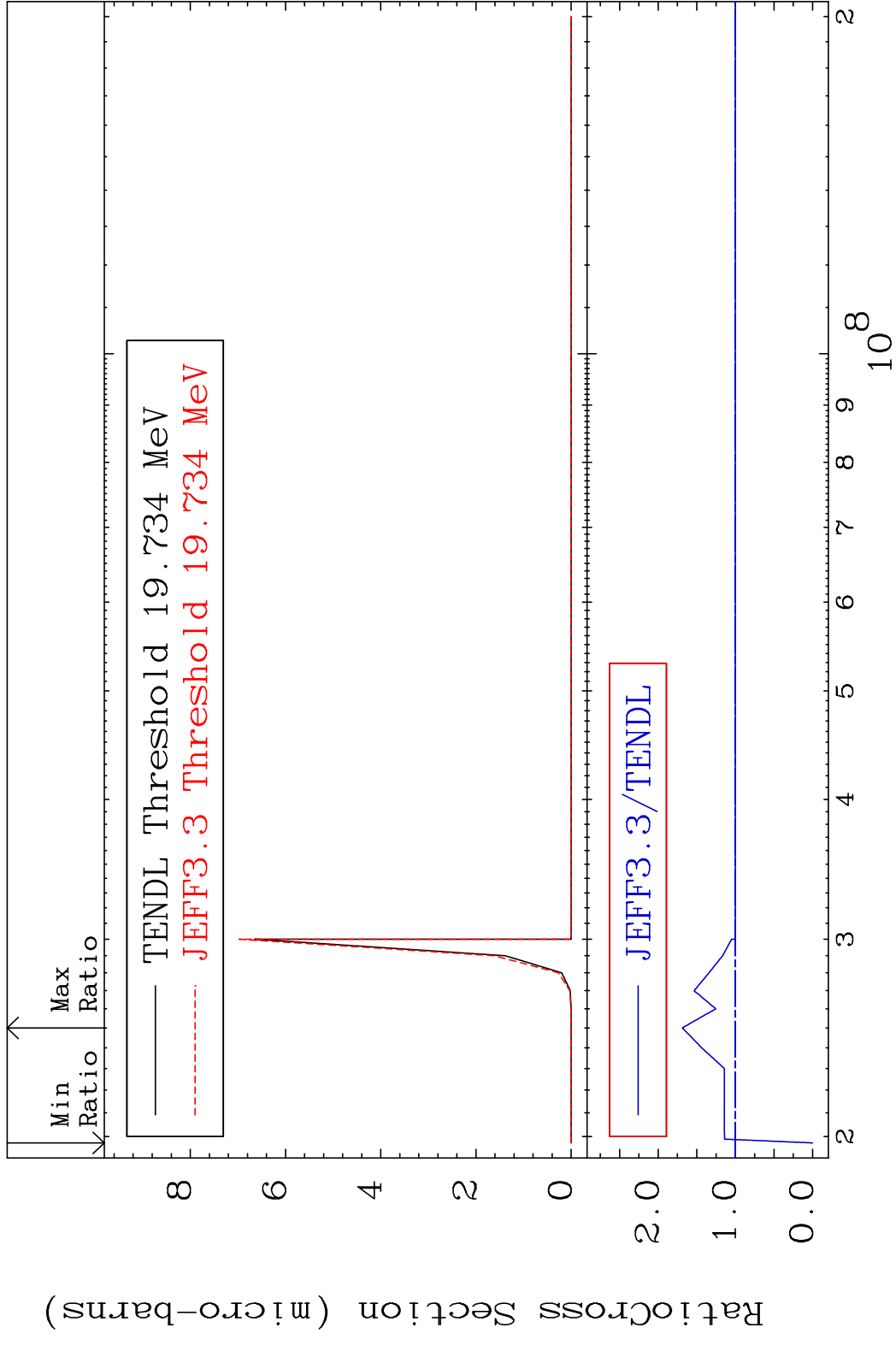




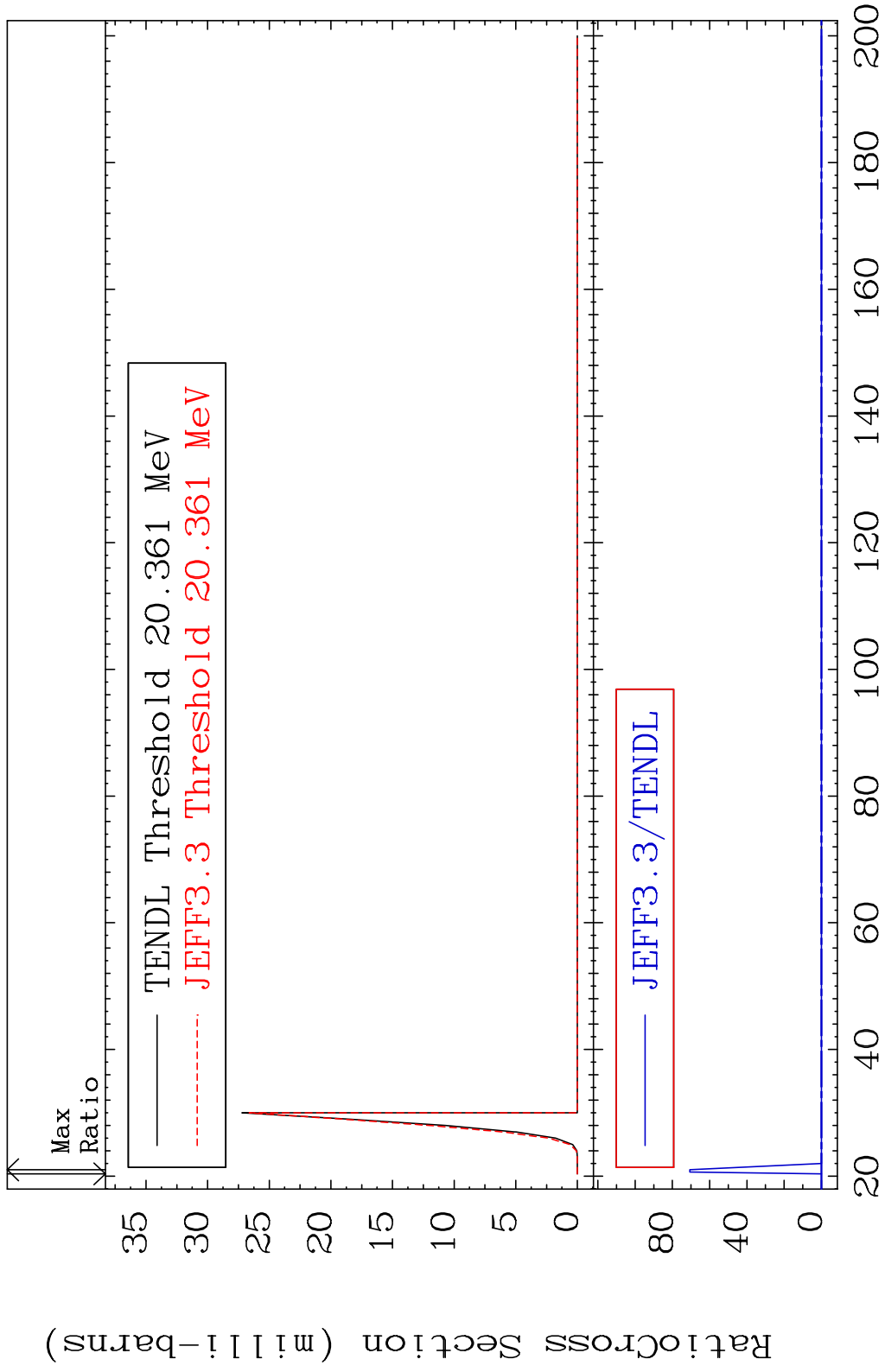
MAT 3831 (n, n') d:37-Rb-84m2 38-Sr-86
 Radionuclide Production Cross Section 391.8 %



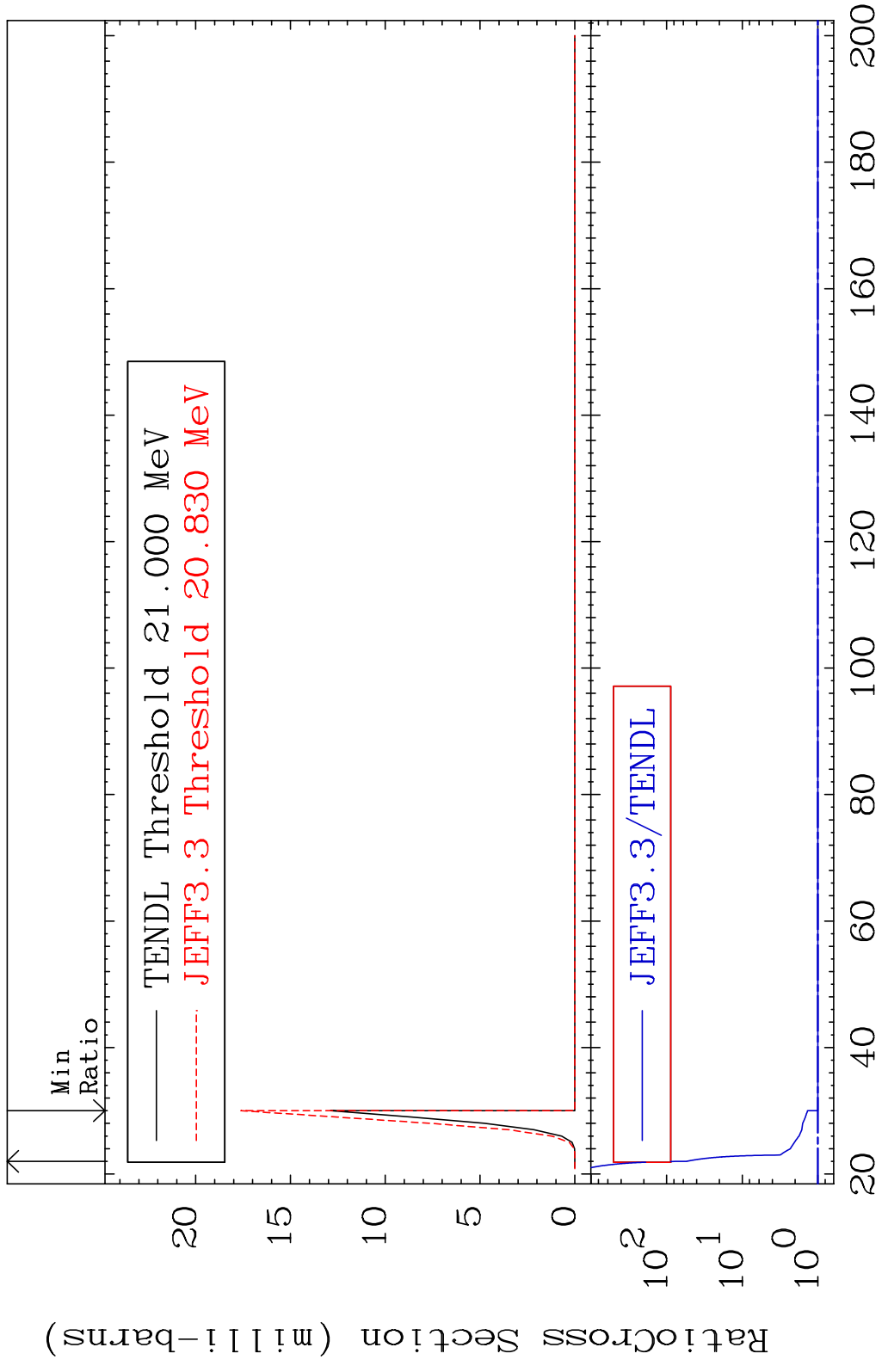




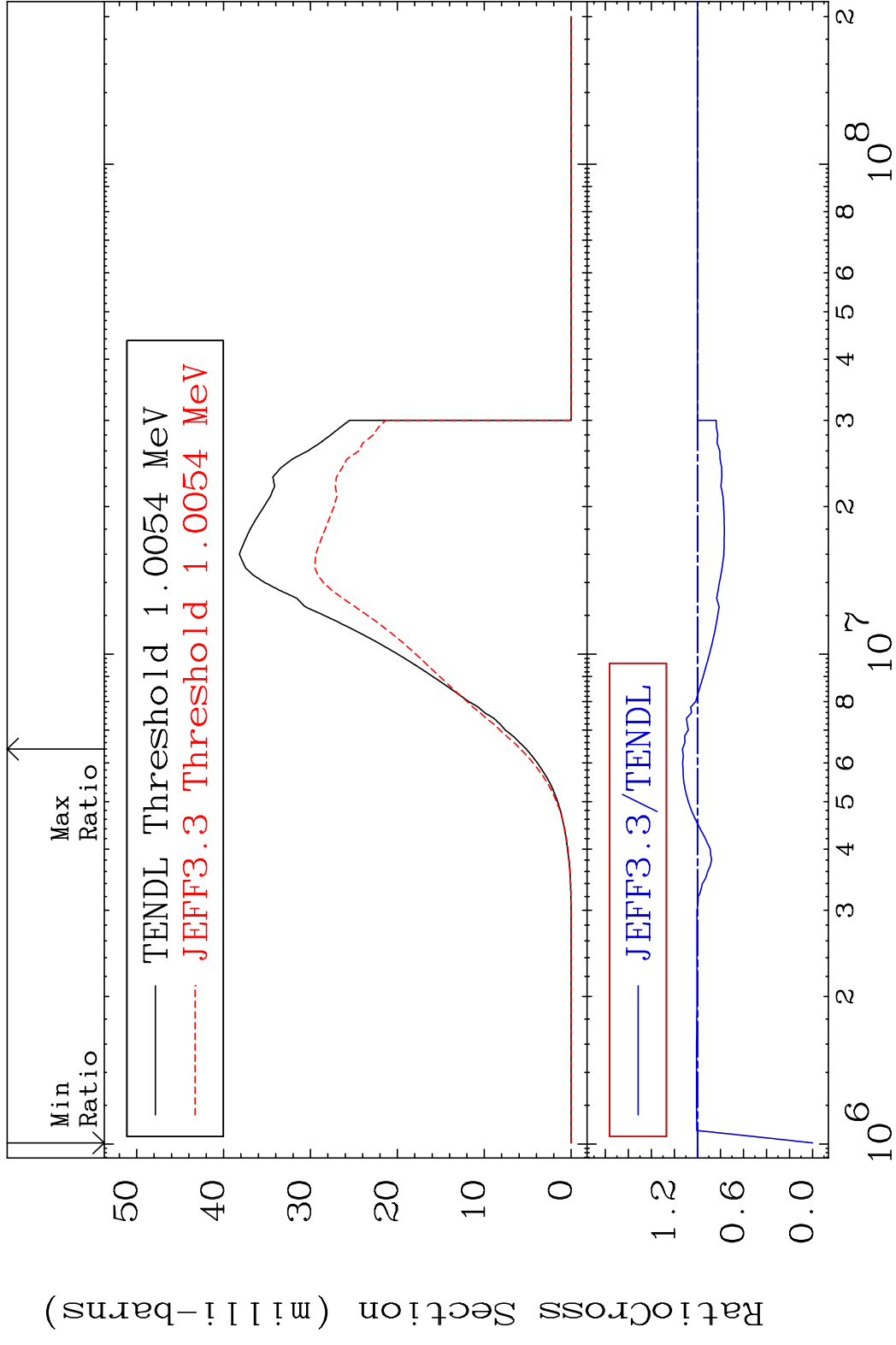
MAT 3831 (n,2n) p:37-Rb-84g 38-Sr-86
 Radionuclide Production Cross Section Ratio



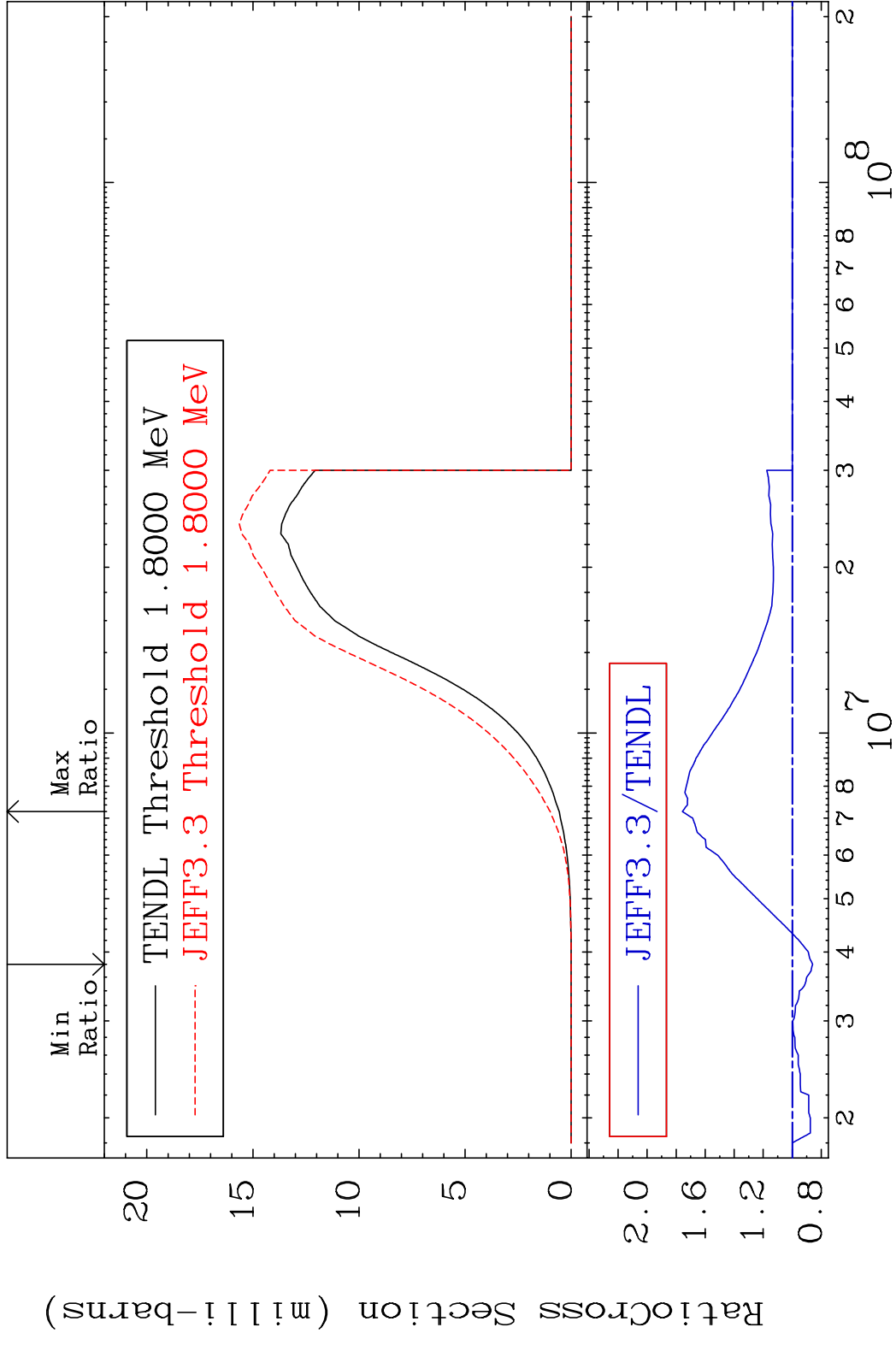
85 Incident Energy (MeV) 38-Sr-86



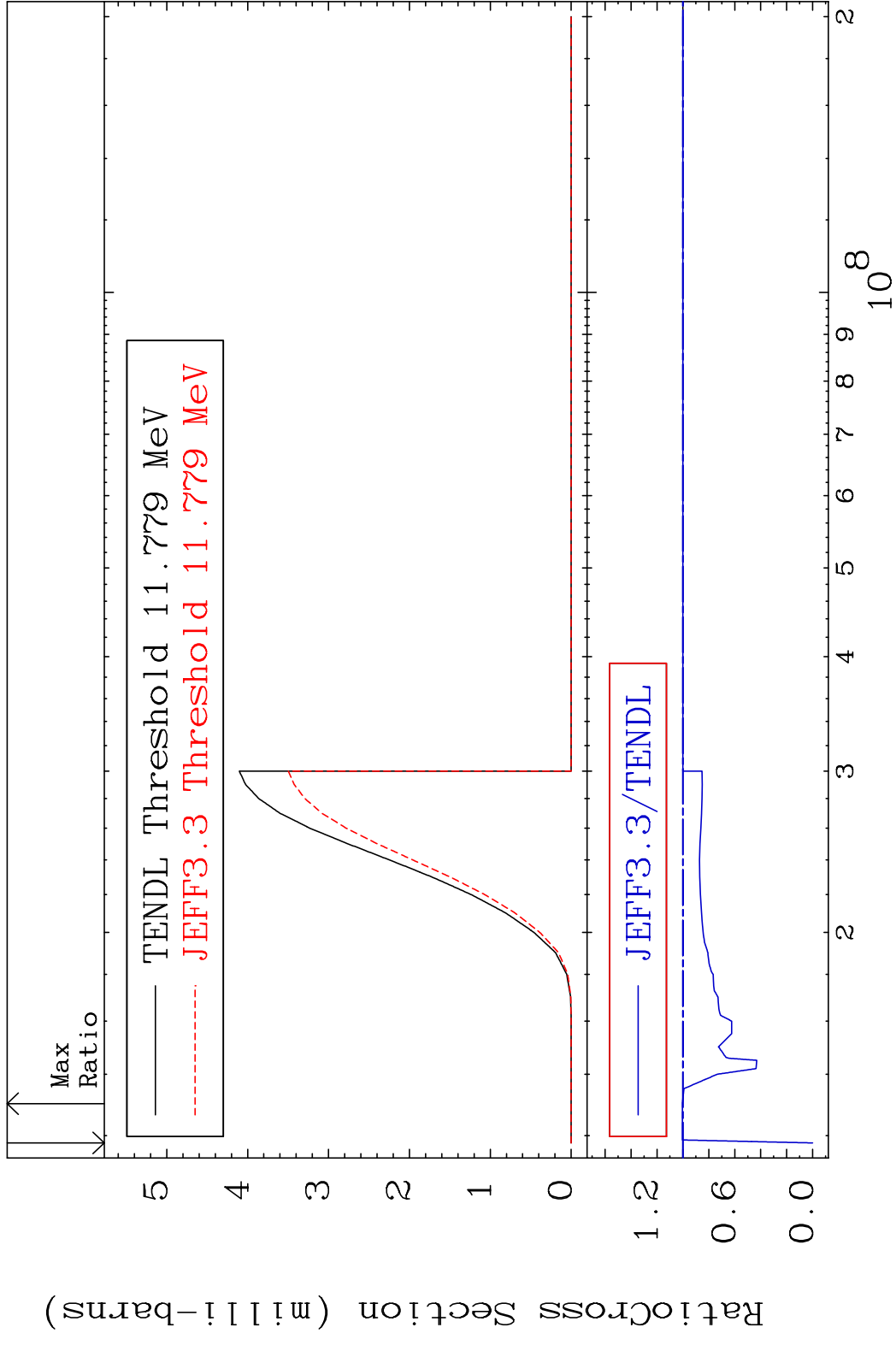
MAT 3831 (n, p) : 37-Rb-86g 38-Sr-86
 Radionuclide Production Cross Section 13.10 %



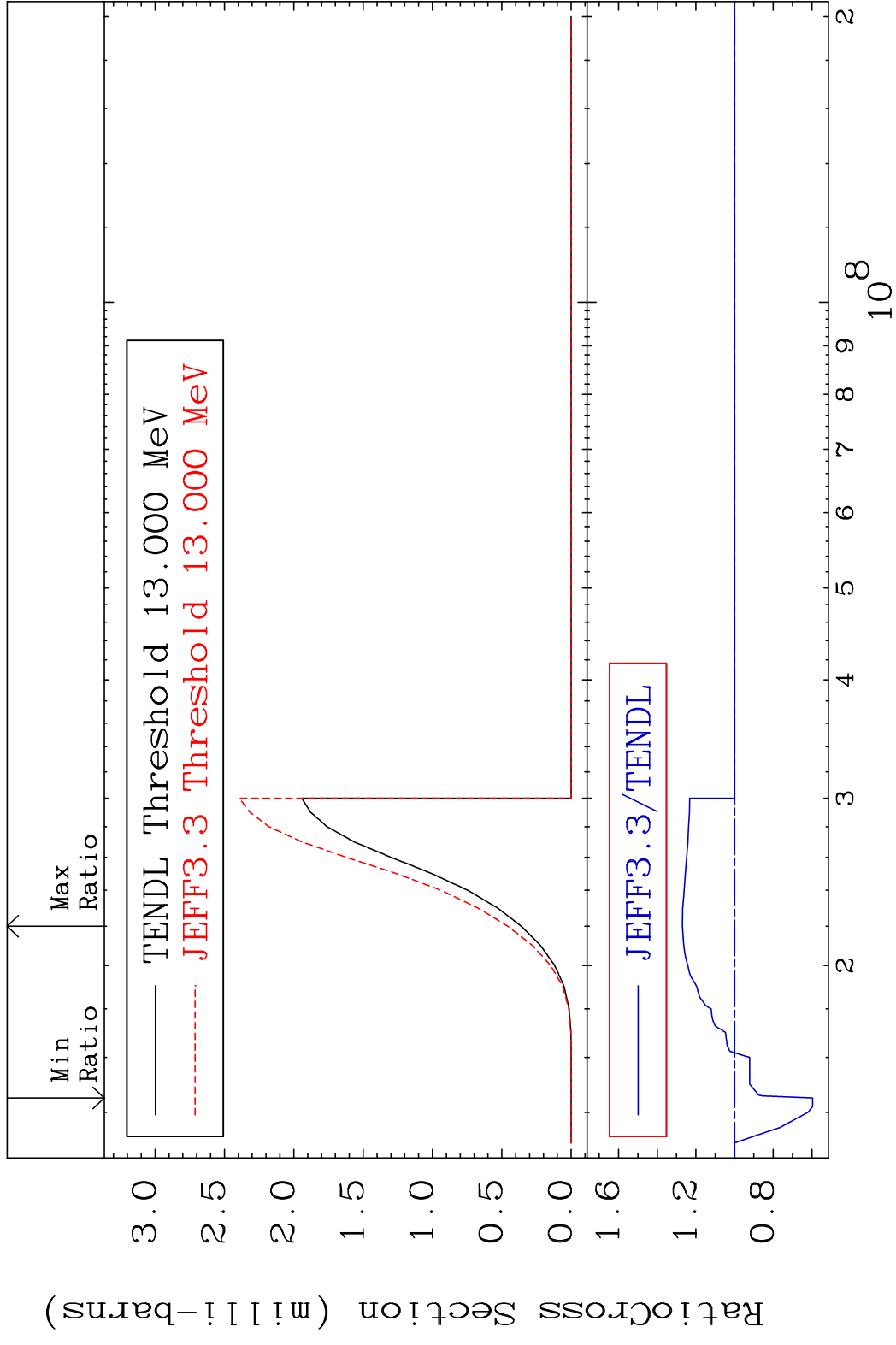
87 38-Sr-86

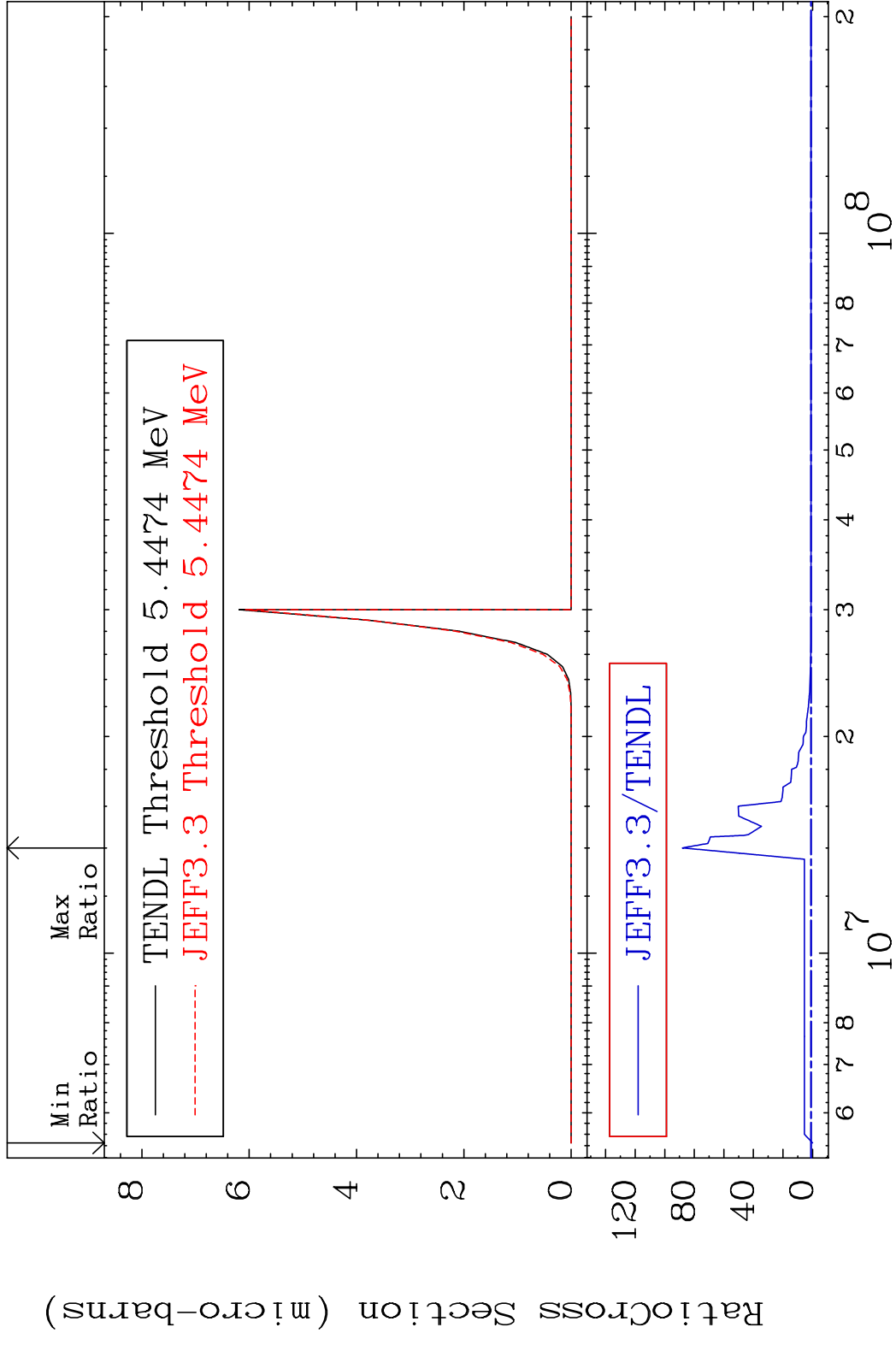


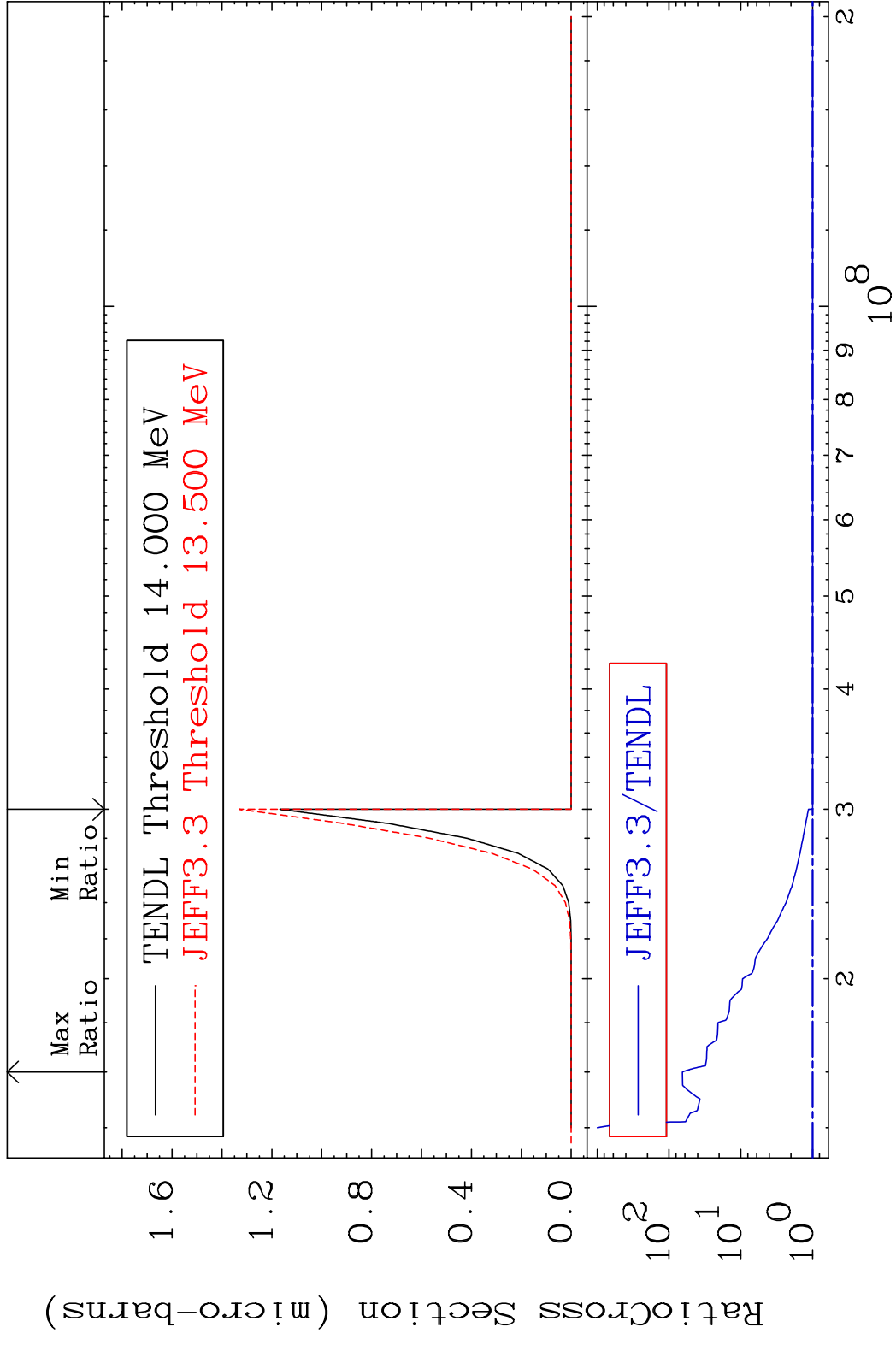
MAT 3831 (n, t):37-Rb-84g 38-Sr-86
 Radionuclide Production Cross Section 0.419 %



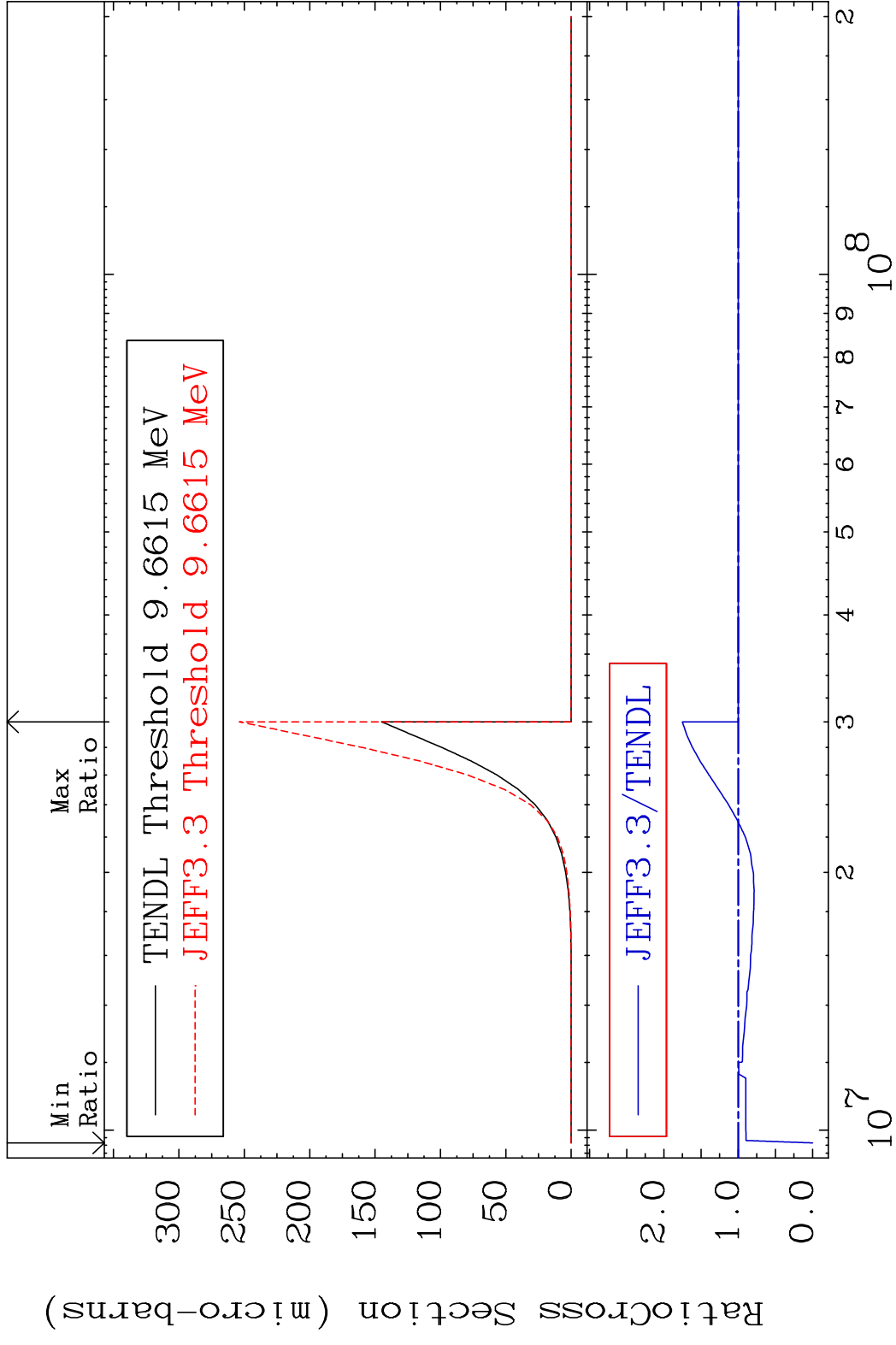
MAT 3831 (n, t):37-Rb-84m2 38-Sr-86
 Radionuclide Production Cross Section 26.98 %



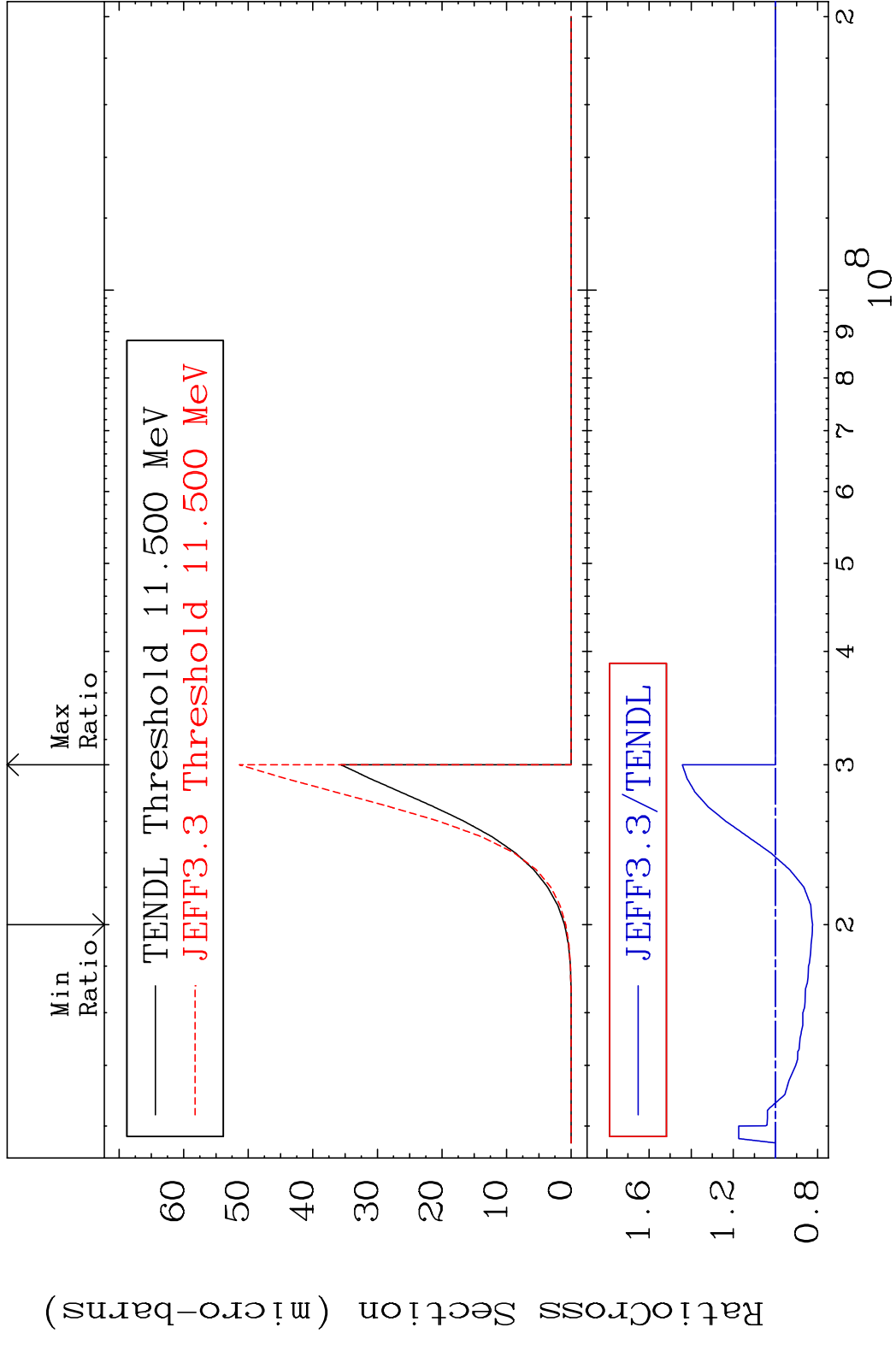


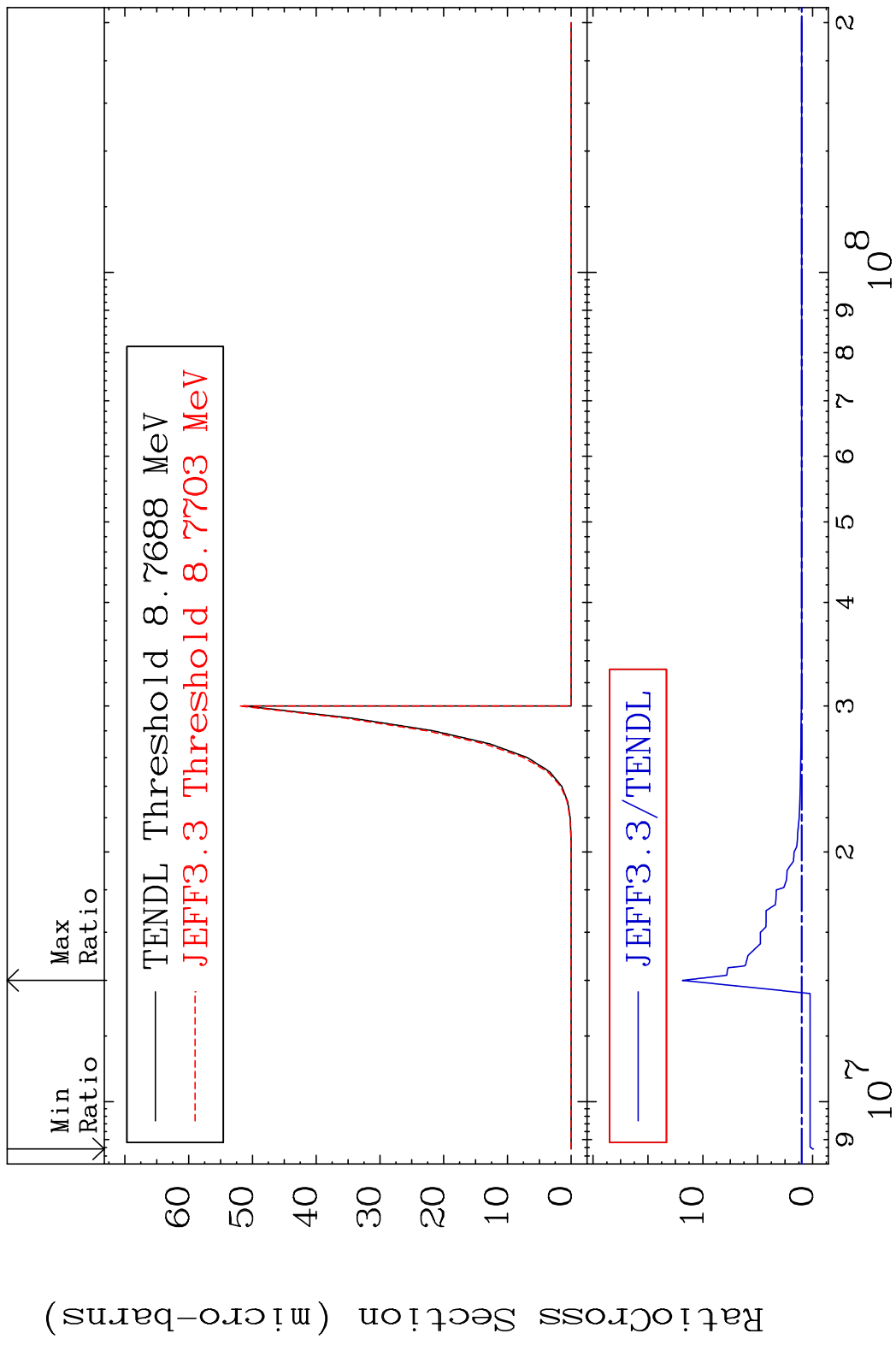


MAT 3831 (n,2p):36-Kr-85g 38-Sr-86
 Radionuclide Production Cross Section 180.01 dth 75.15 %

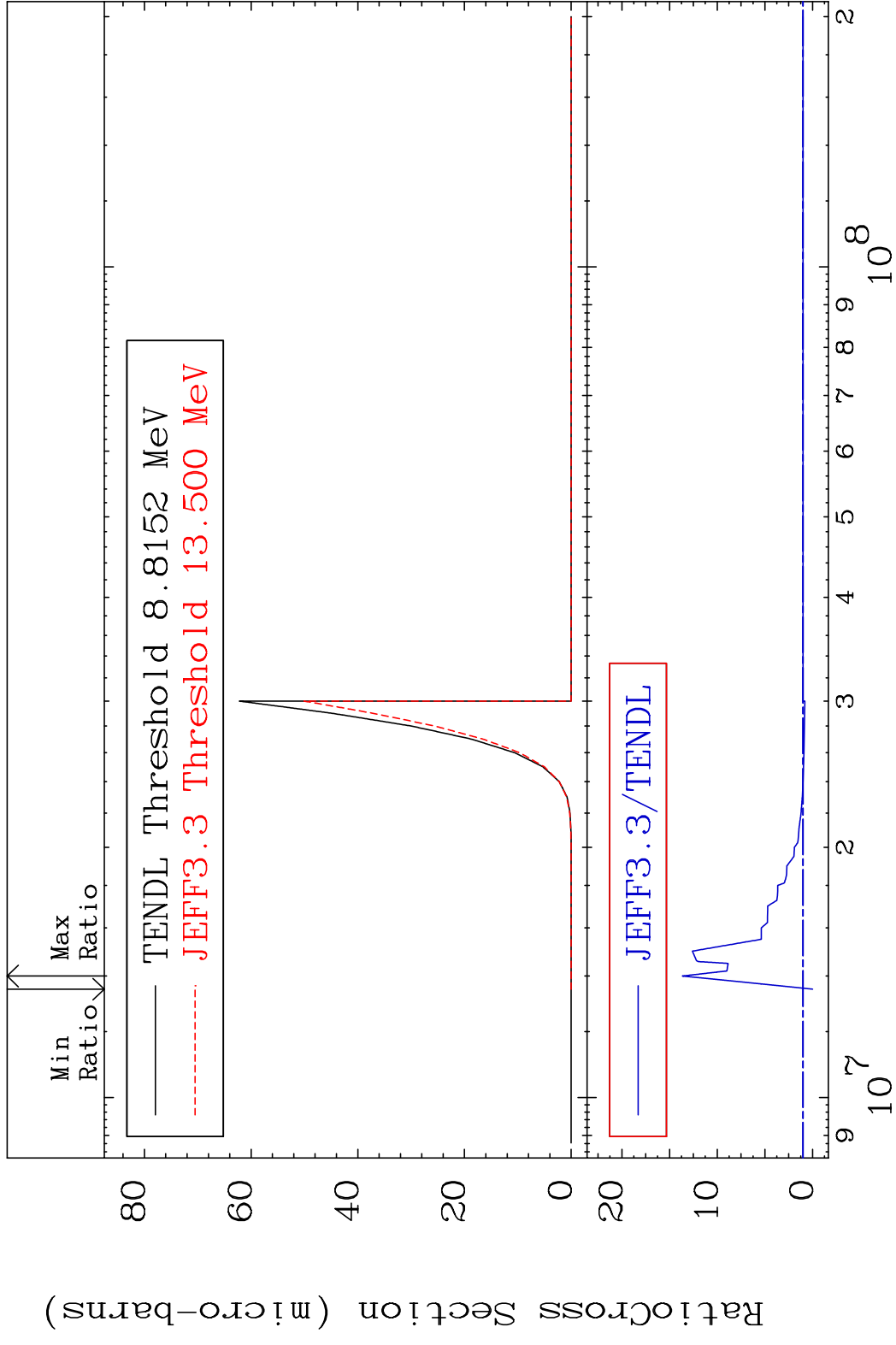


93 Incident Energy (eV) 38-Sr-86



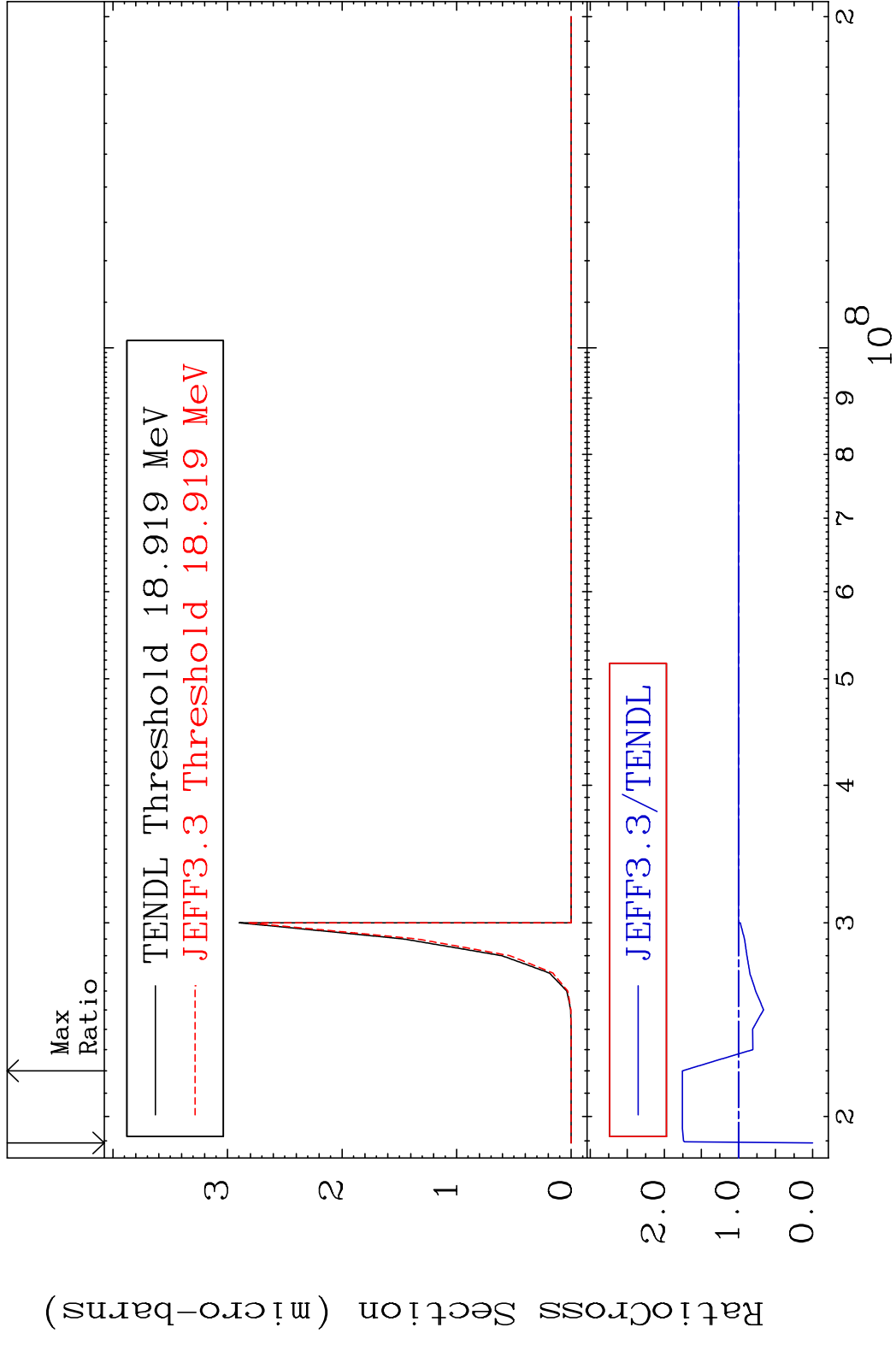


MAT 3831 (n, p) α :35-Br-82m1 38-Sr-86
 Radionuclide Production Cross Section 1266. %



96 Incident Energy (eV) 38-Sr-86

MAT 3831 (n, p) t:36-Kr-83g 38-Sr-86
 Radionuclide Production Cross Section 18.919 MeV 75.63 %



MAT 3831 (n,p) t:36-Kr-83m2 38-Sr-86
 Radionuclide Production Cross Section 18.962 MeV 80.56 %

