

Program Complot
(Version 2021-1)

by

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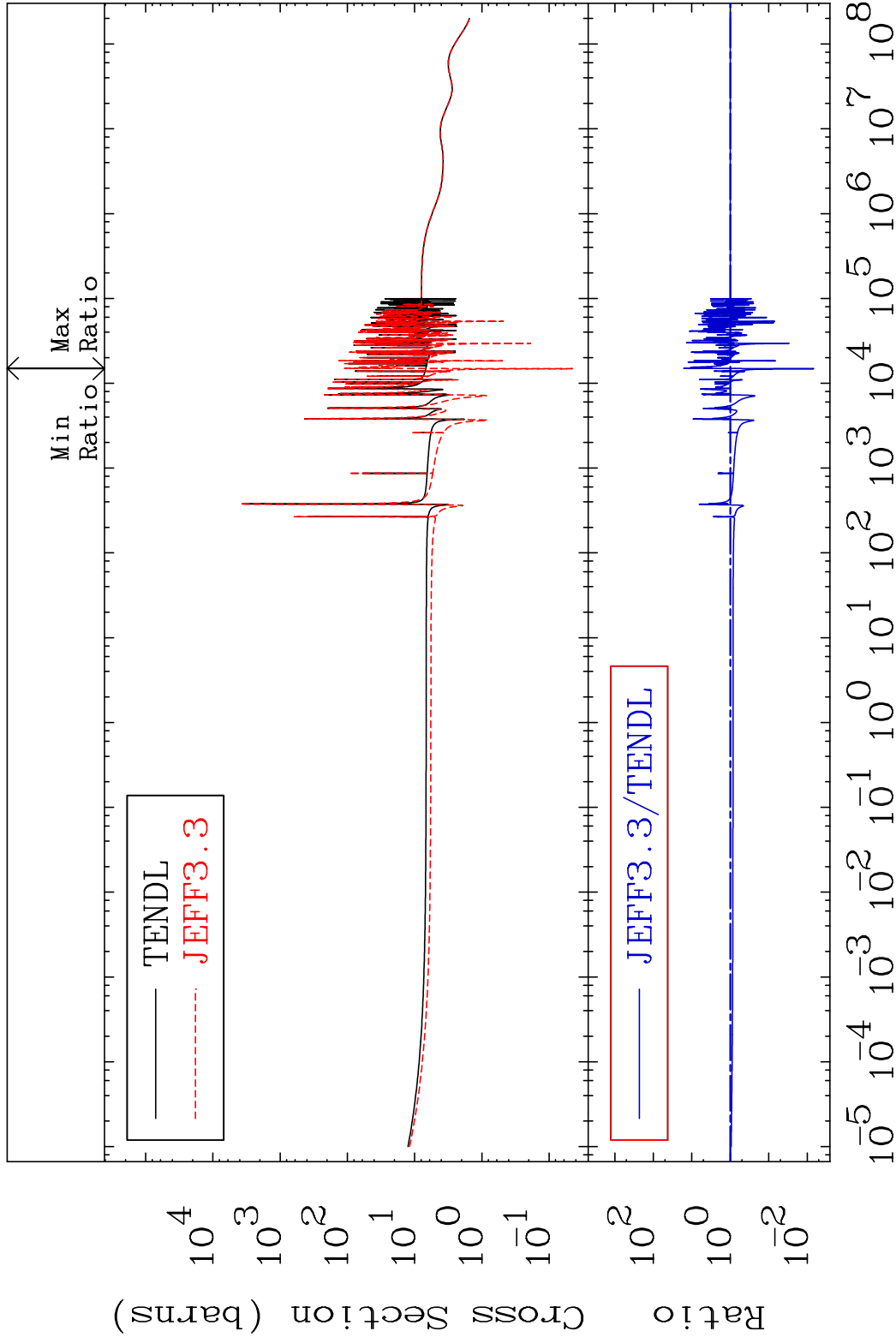
Press Mouse Button to Start

MAT 3731

Total

37-Rb-87

Cross Section -99.34 To 1527. %



1

Incident Energy (eV)

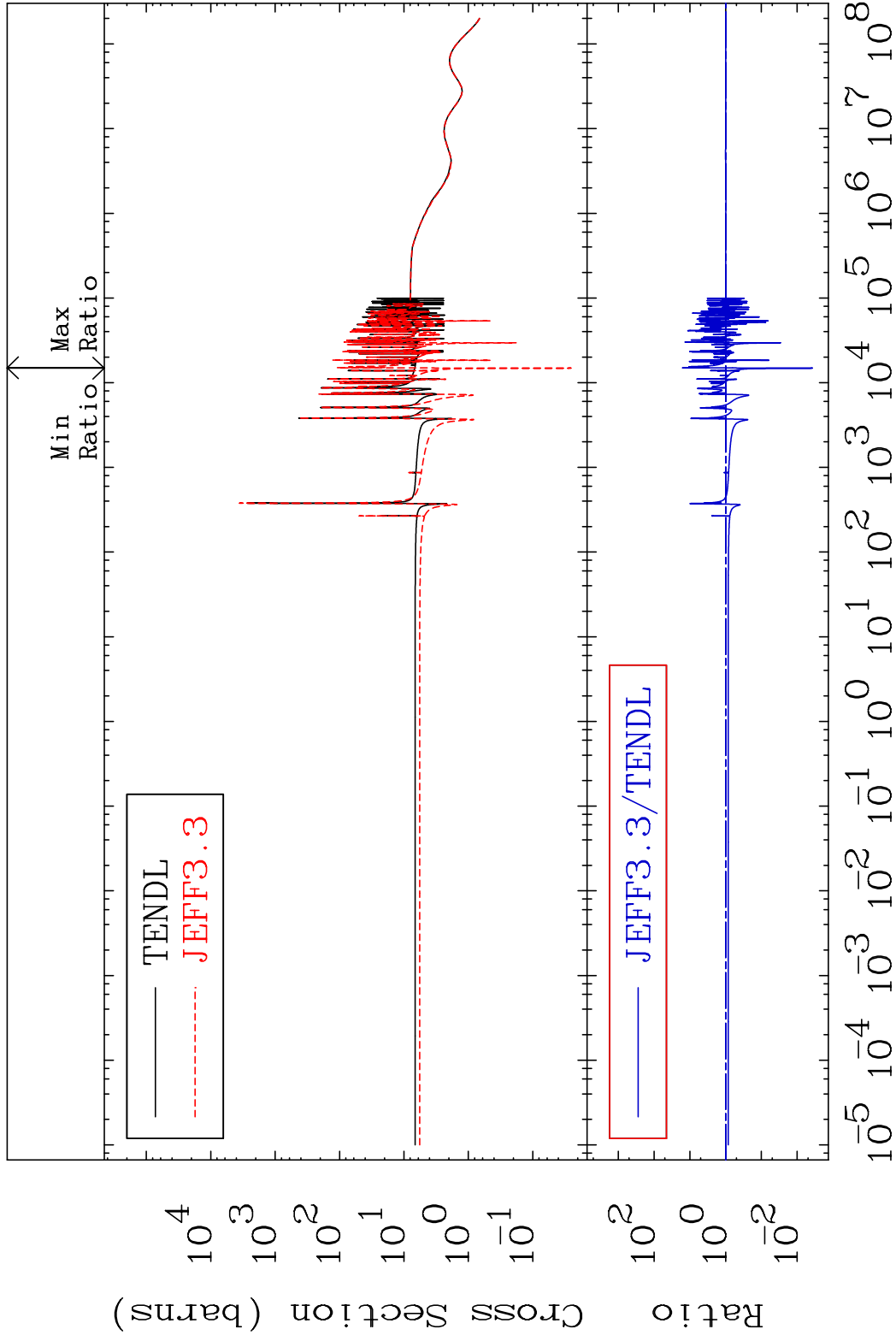
37-Rb-87

MAT 3731

Elastic

37-Rb-87

Cross Section -99.63 To 1519. %



2

Incident Energy (eV)

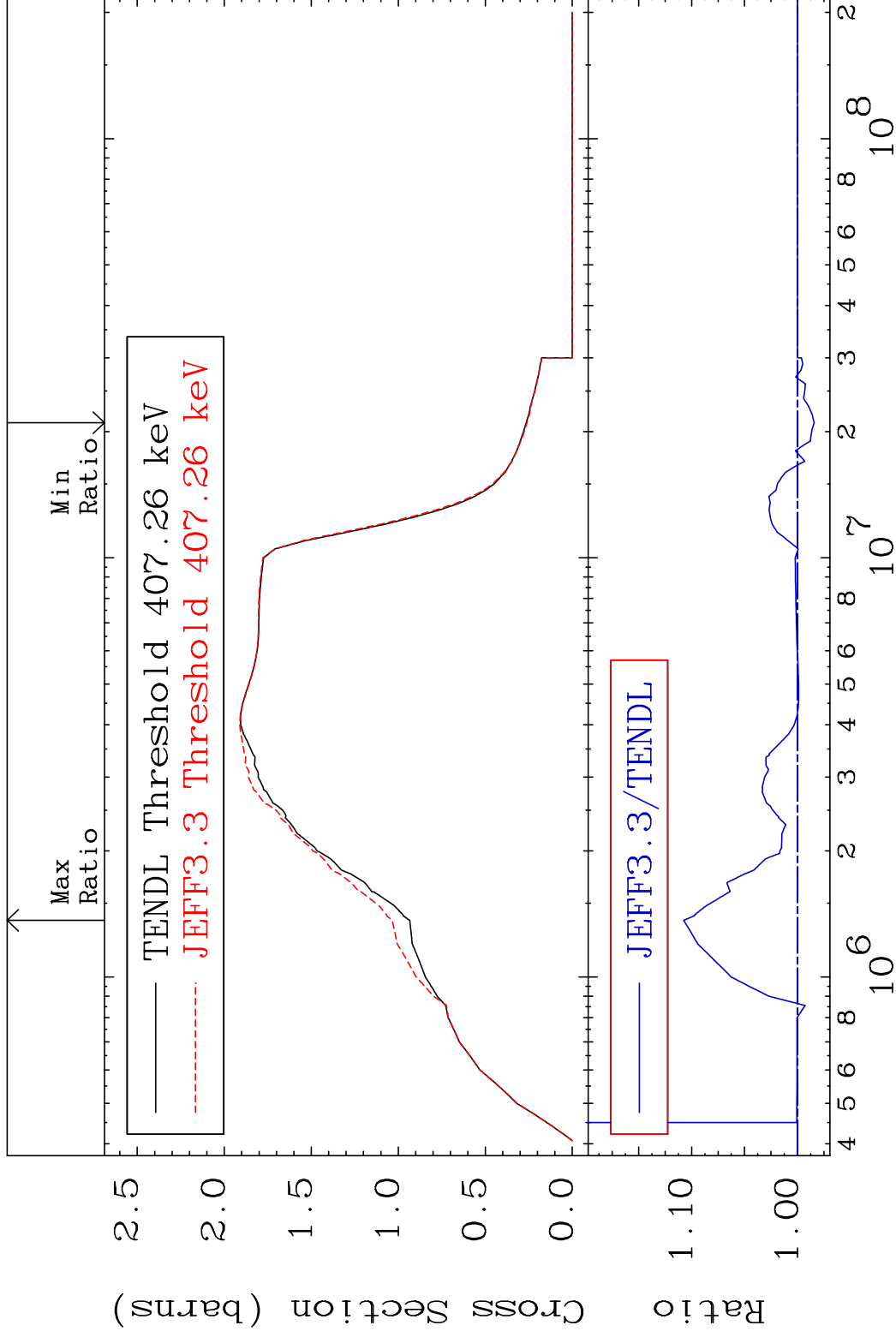
37-Rb-87

MAT 3731

Inelastic

37-Rb-87

Cross Section -1.567 To 10.75 %



3

Incident Energy (eV)

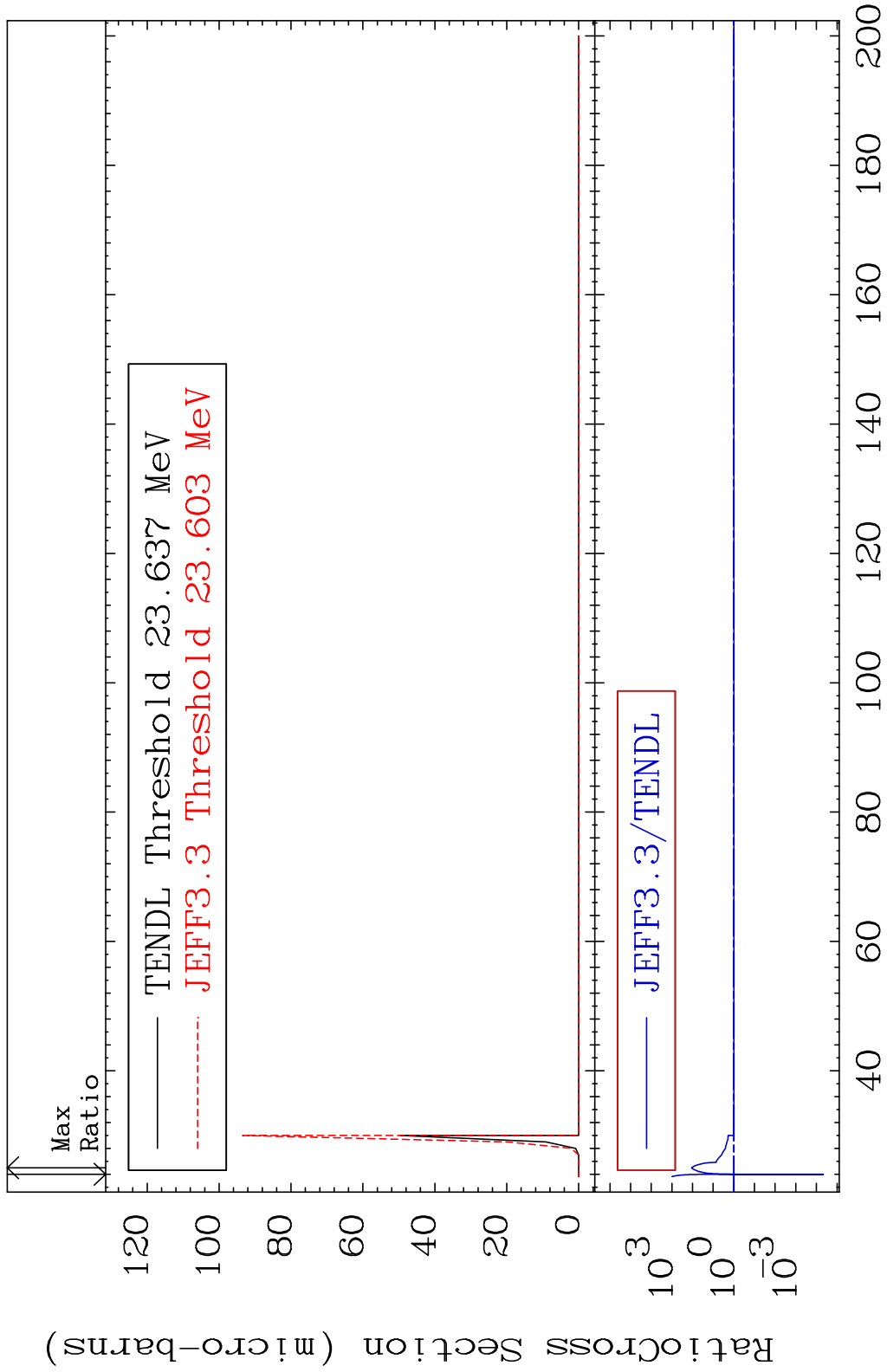
37-Rb-87

MAT 3731

(n,2n) d

37-Rb-87

Cross Section -100.0 To 9999. %

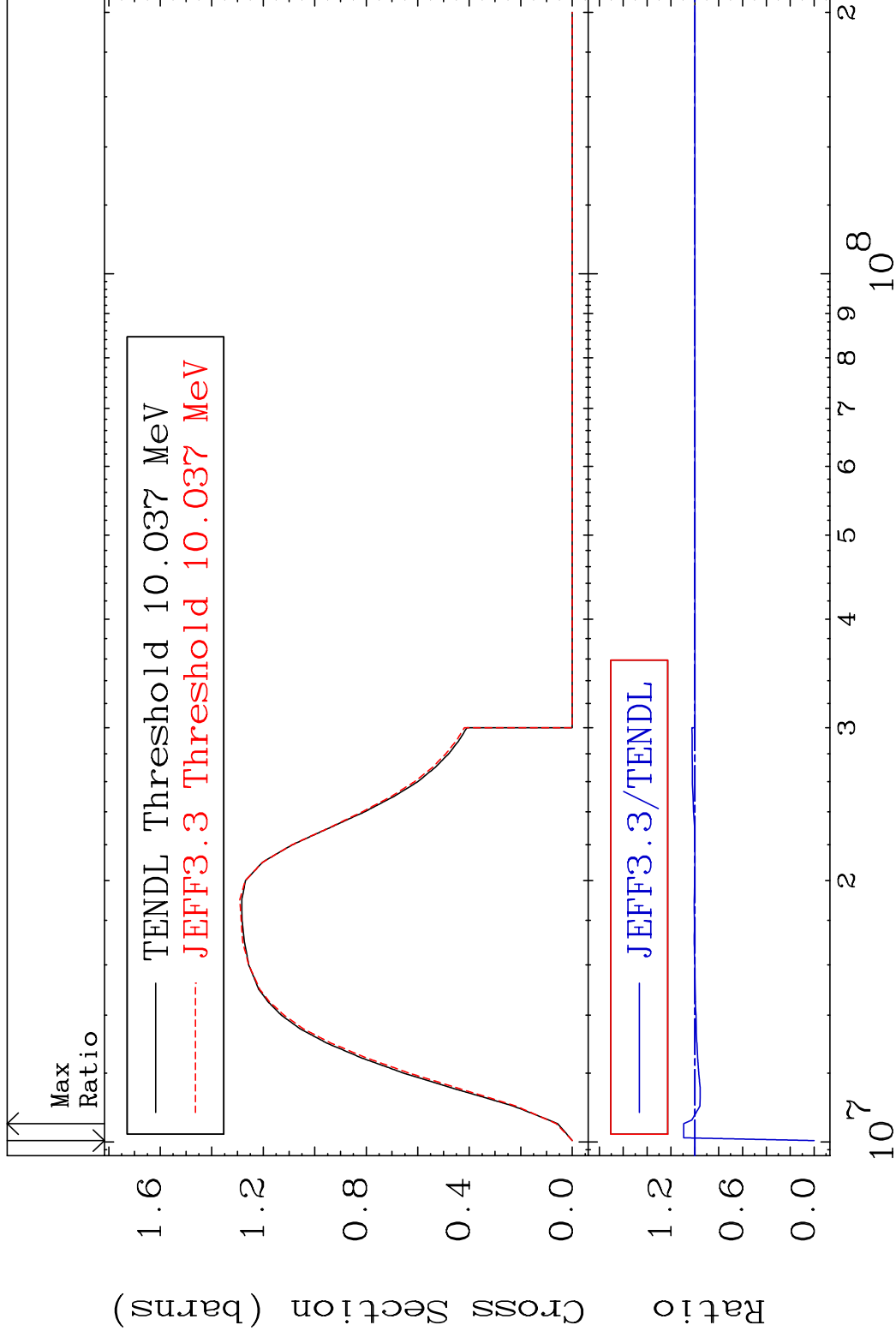


MAT 3731

(n,2n)

37-Rb-87

Cross Section -100.0 To 9.364 %



5

Incident Energy (eV)

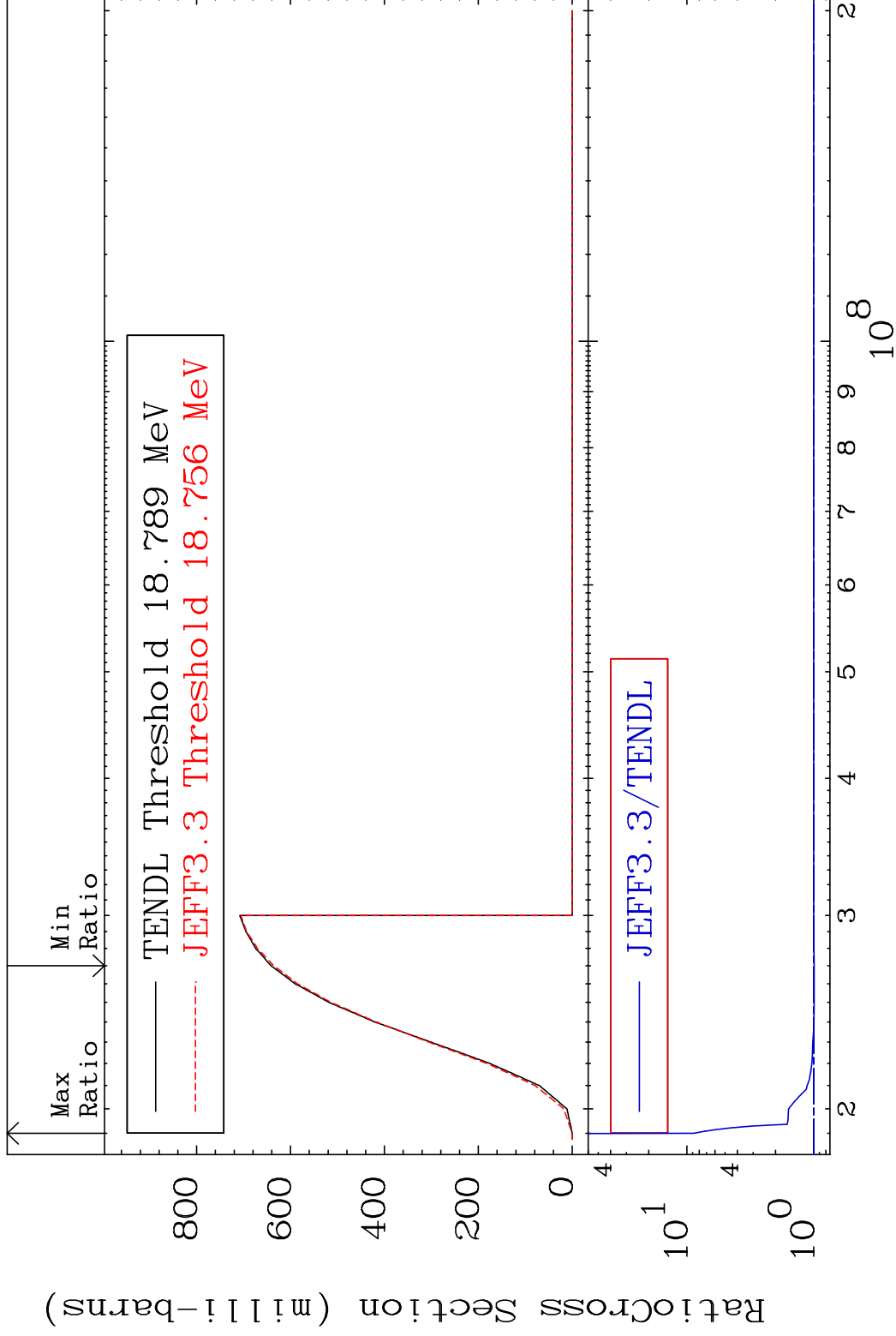
37-Rb-87

MAT 3731

(n,3n)

37-Rb-87

Cross Section -0.875 To 960.6 %



6

Incident Energy (eV)

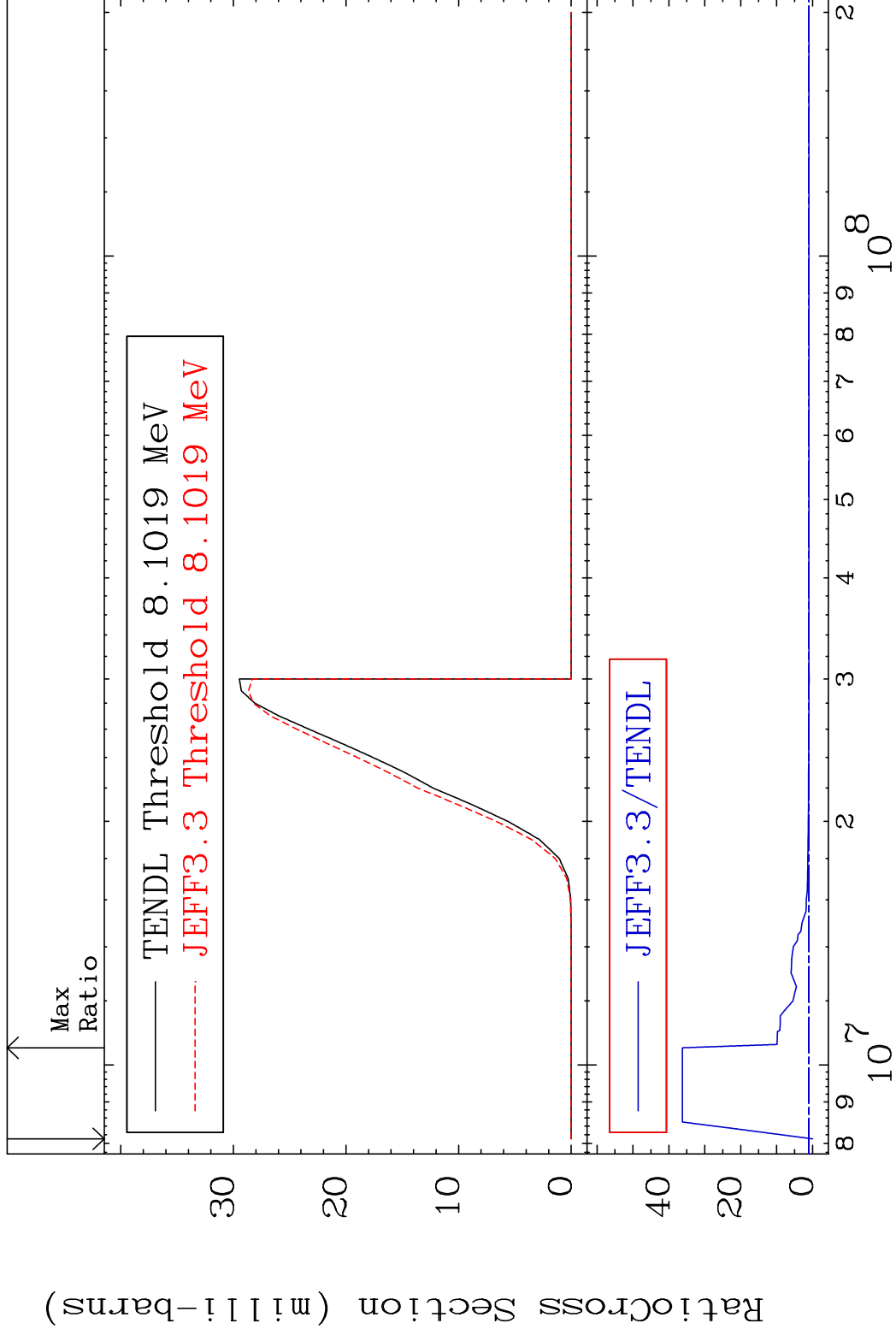
37-Rb-87

MAT 3731

(n, n') α

37-Rb-87

Cross Section -100.0 To 3524. %



7

Incident Energy (eV)

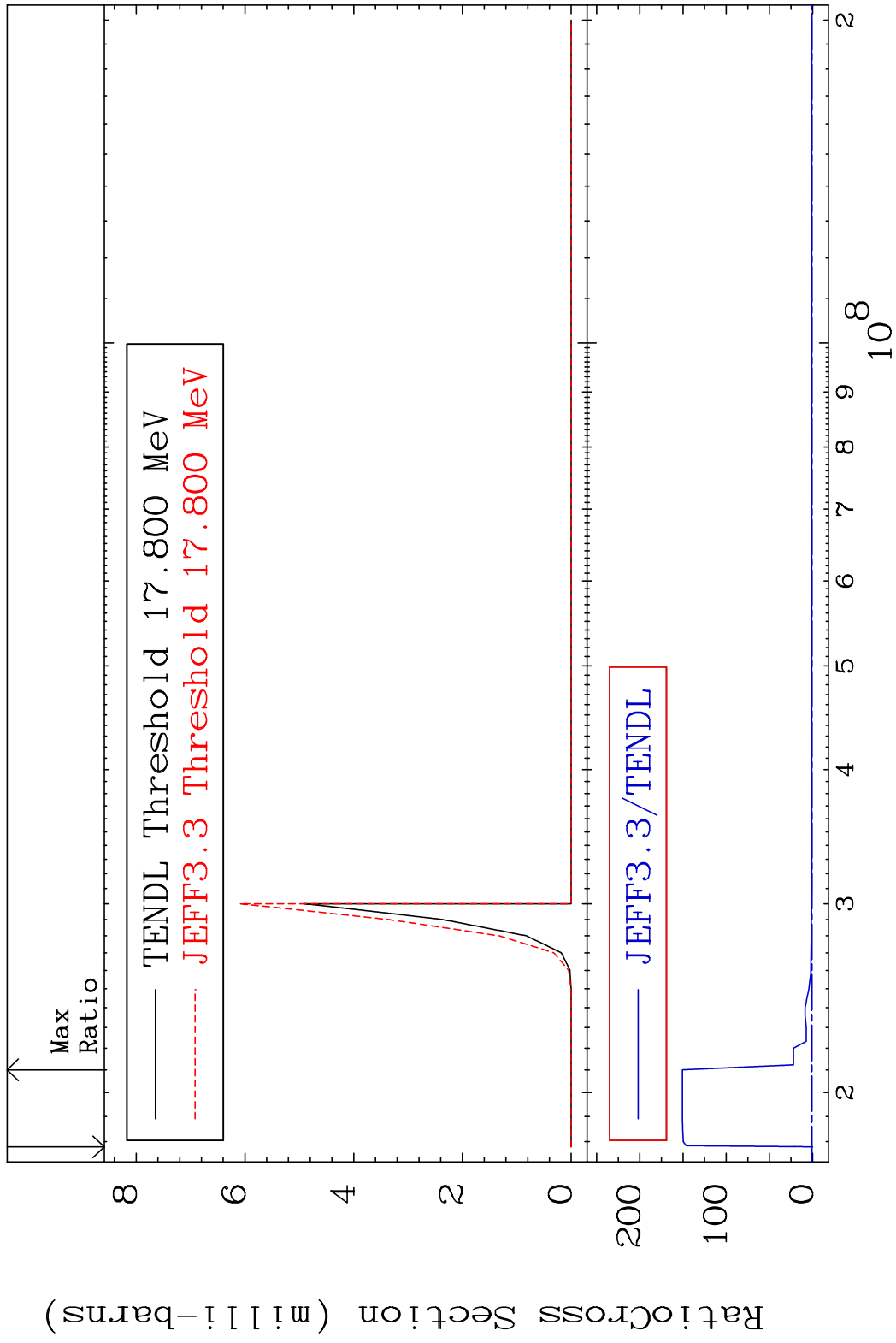
37-Rb-87

MAT 3731

(n,2n) α

37-Rb-87

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

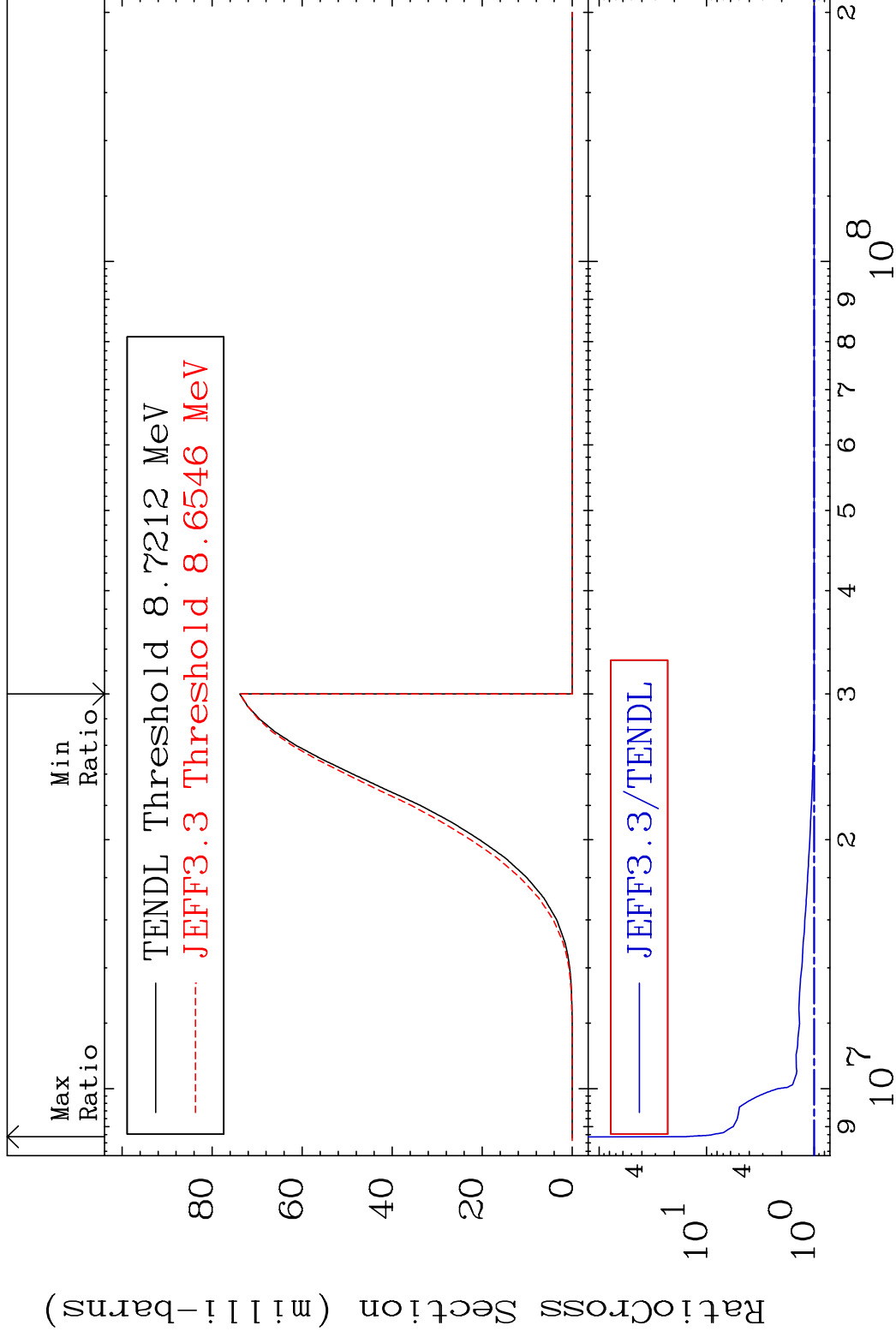
37-Rb-87

MAT 3731

(n, n') p

37-Rb-87

Cross Section -0.069 To 1534. %



9

Incident Energy (eV)

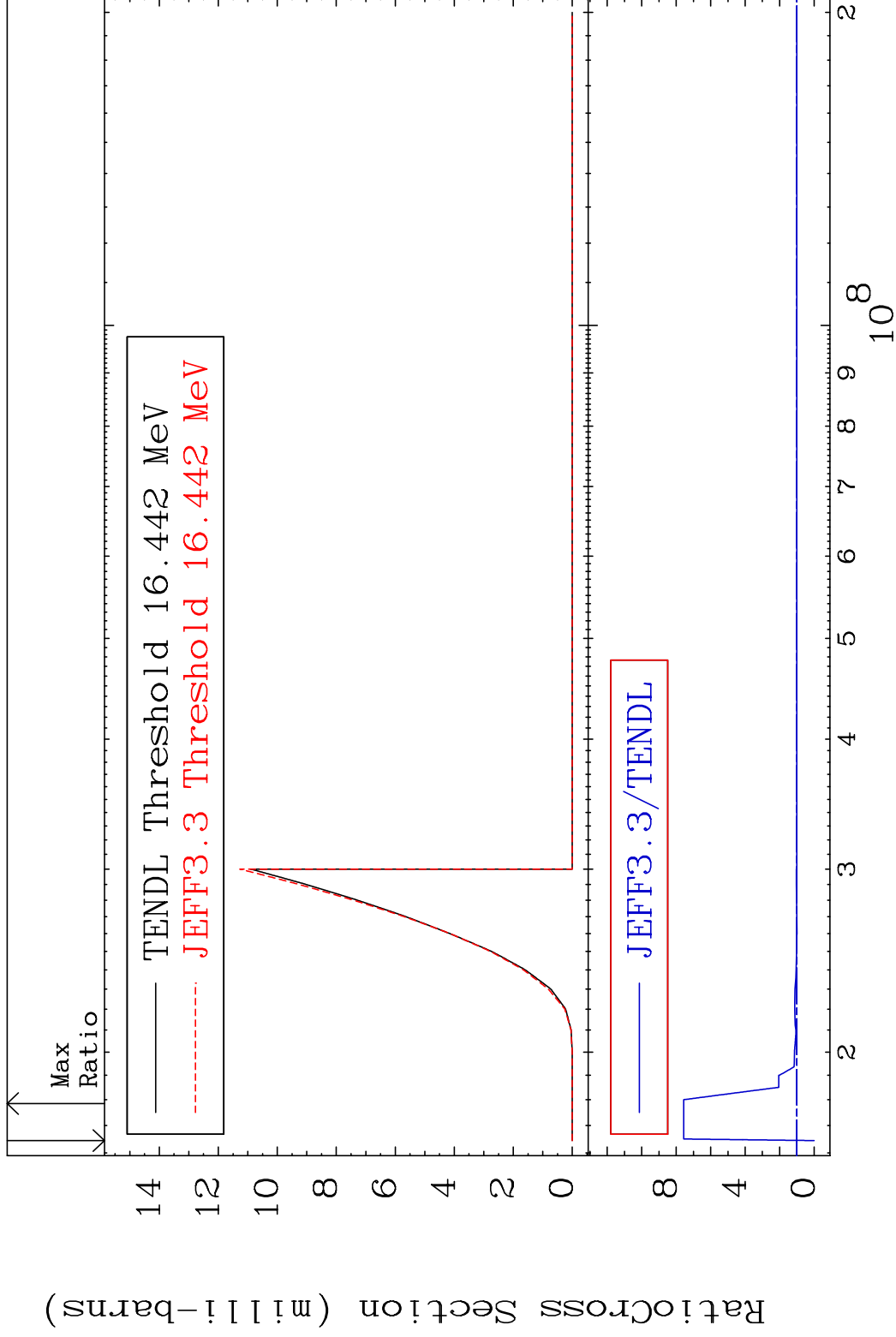
37-Rb-87

MAT 3731

(n, n') d

37-Rb-87

Cross Section -100.0 To 656.8 %



10

Incident Energy (eV)

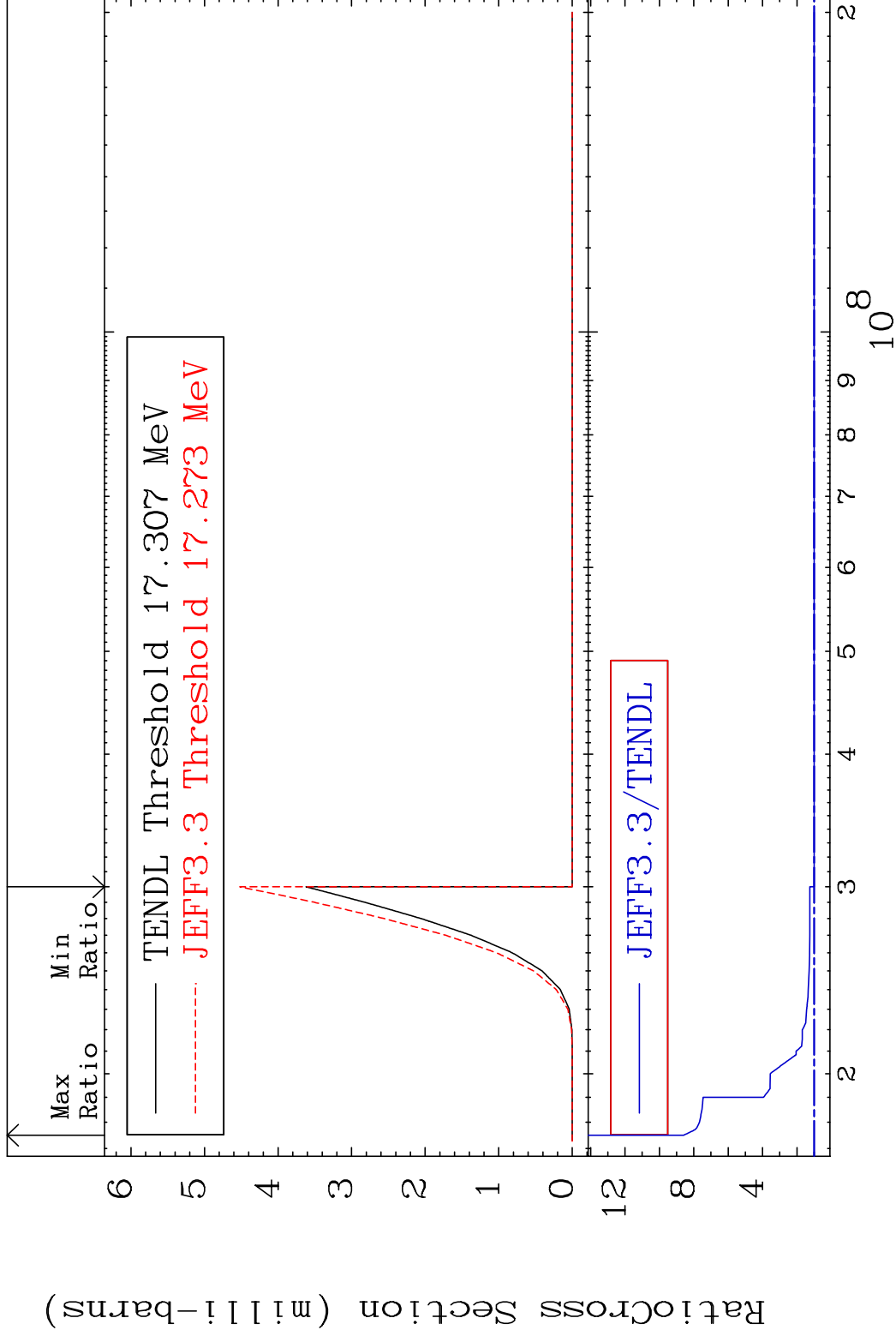
37-Rb-87

MAT 3731

(n, n') t

37-Rb-87

Cross Section 0.000 To 758.8 %

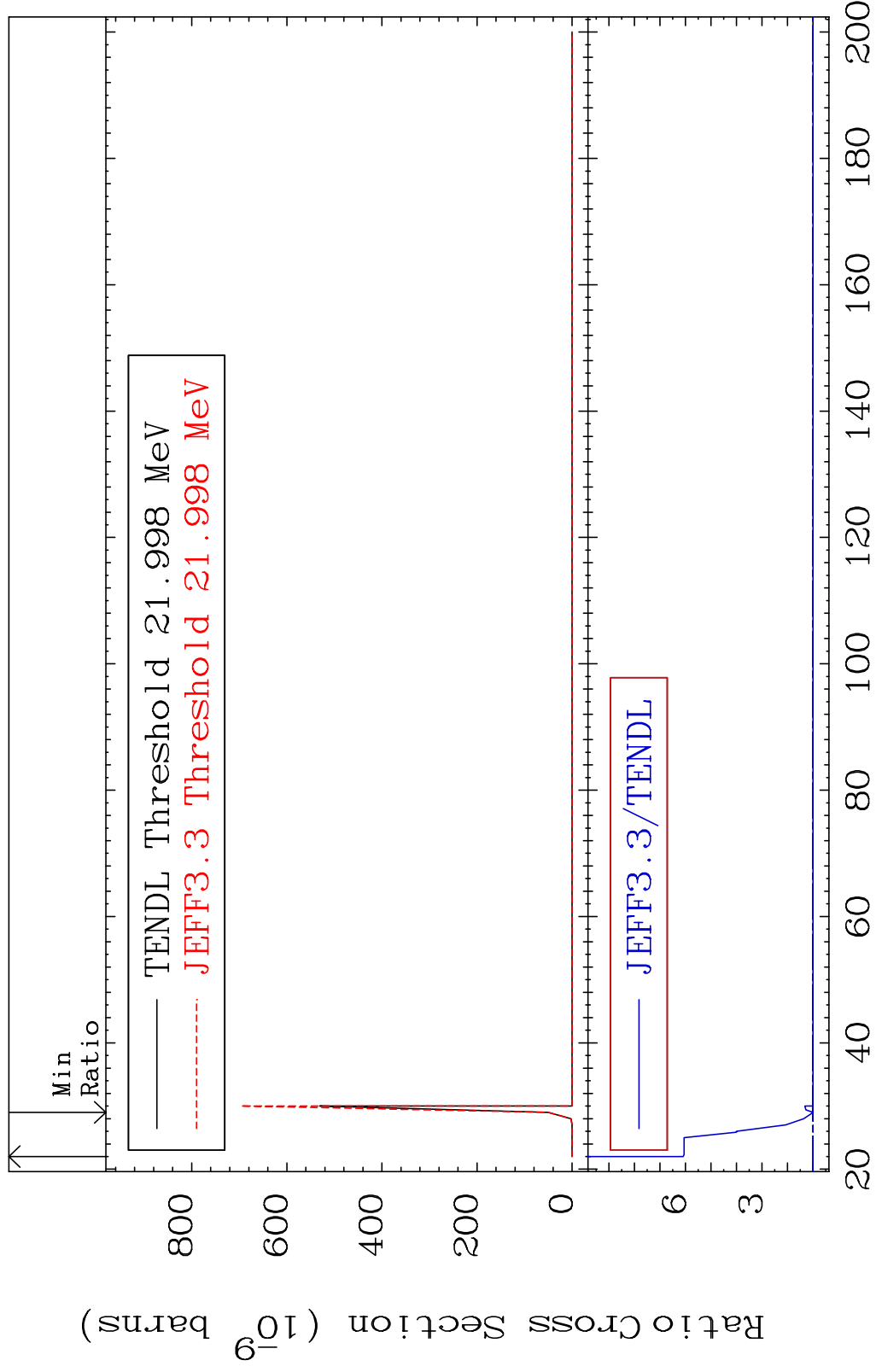


MAT 3731

(n,n') He-3

37-Rb-87

Cross Section -1.070 To 508.7 %



12

Incident Energy (MeV)

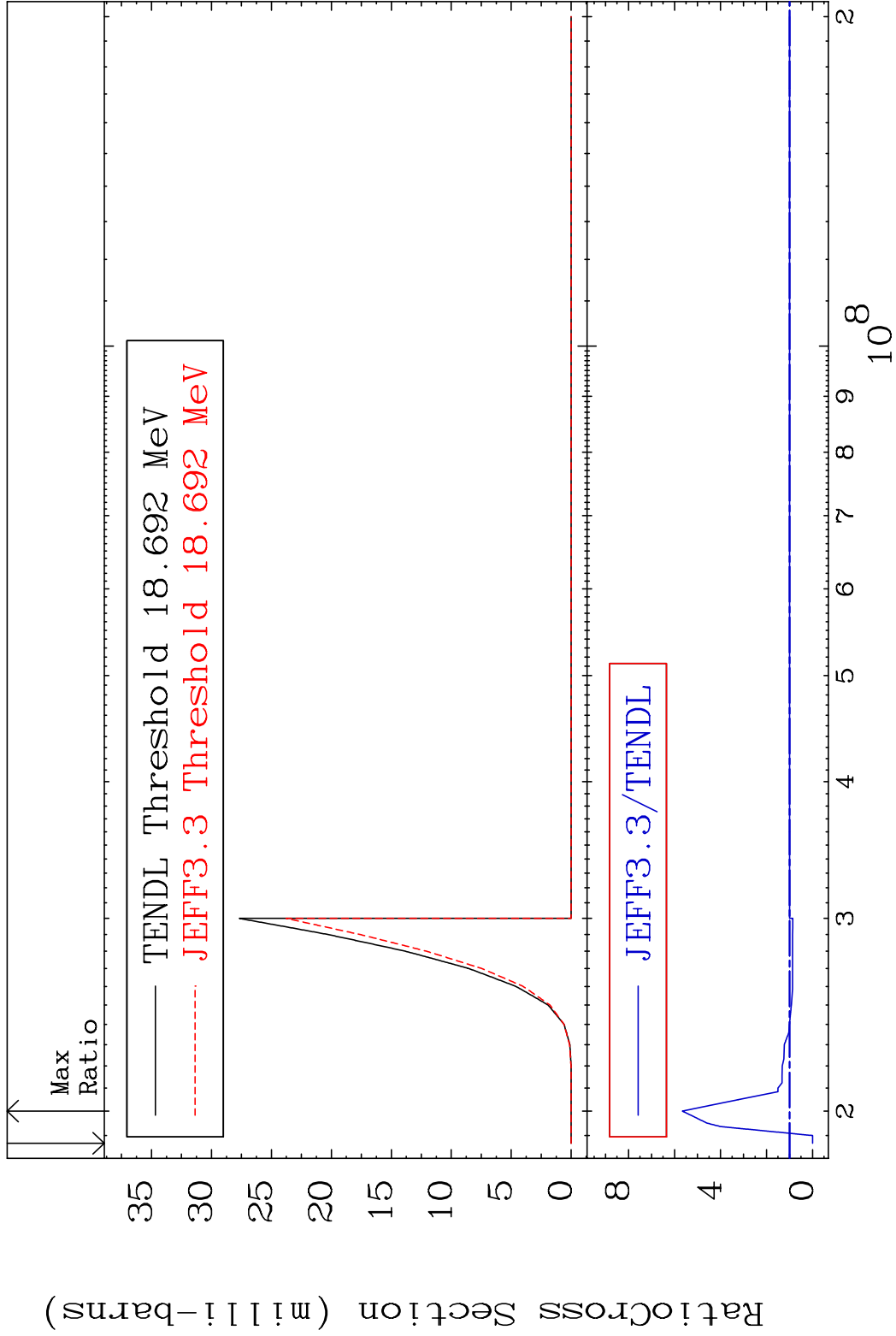
37-Rb-87

MAT 3731

(n,2n) p

37-Rb-87

Cross Section -100.0 To 466.0 %

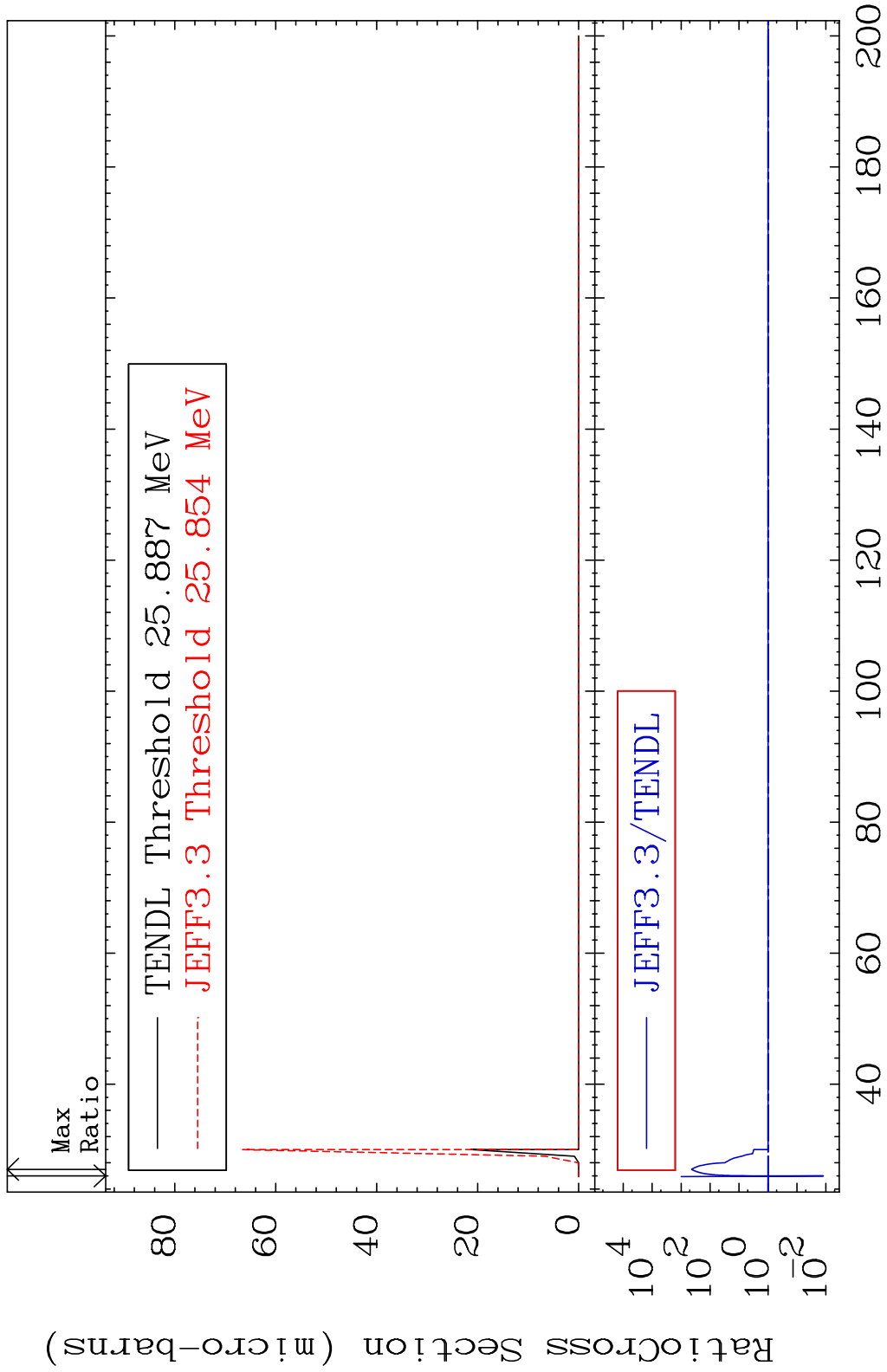


MAT 3731

(n,3n) p

37-Rb-87

Cross Section -98.77 To 9999. %

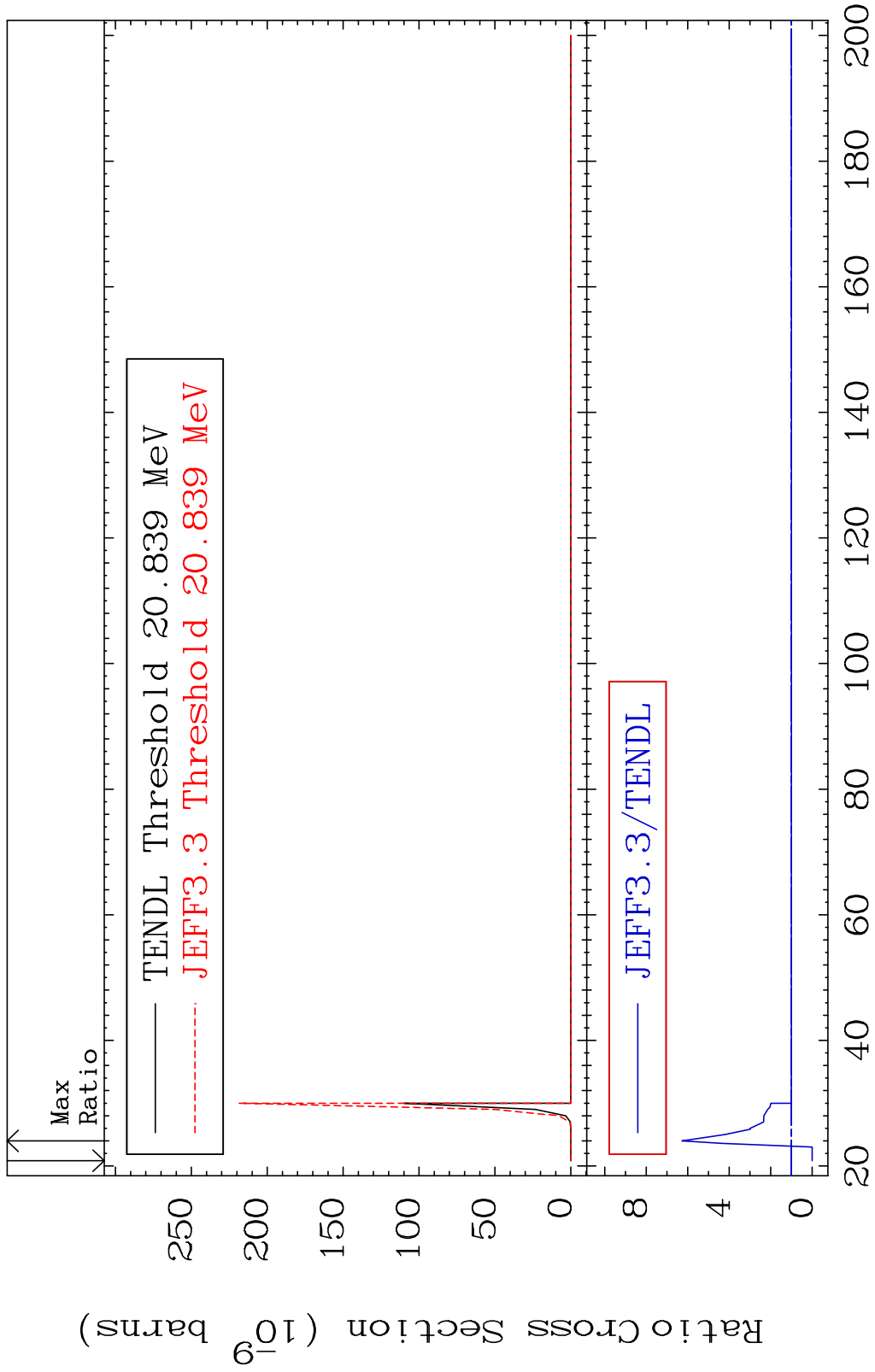


MAT 3731

(n,2n) p

37-Rb-87

Cross Section -100.0 To 527.3 %

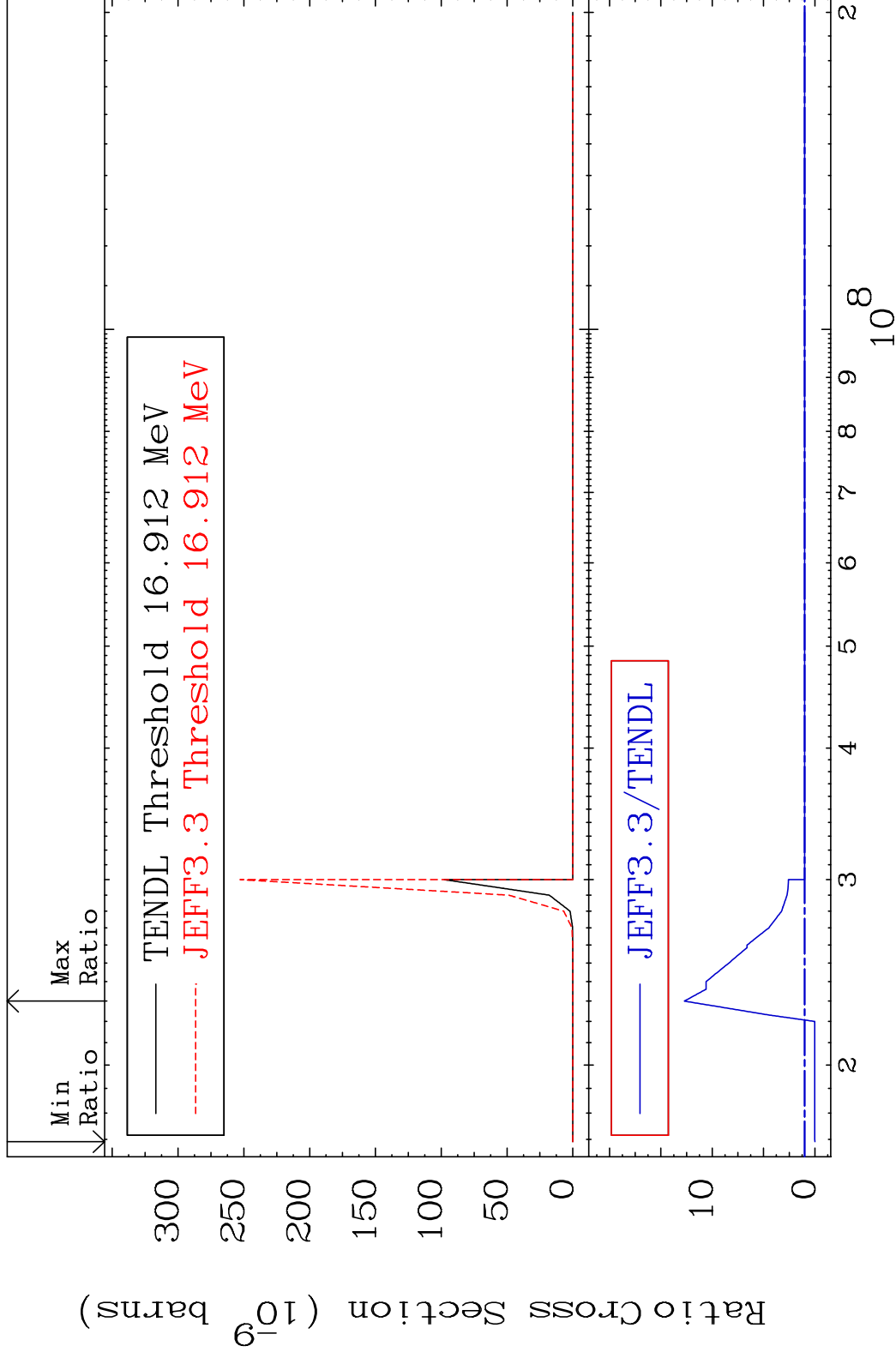


MAT 3731

$^{37}\text{Rb-87}$

(n,n') p α

Cross Section -100.0 To 1172. %

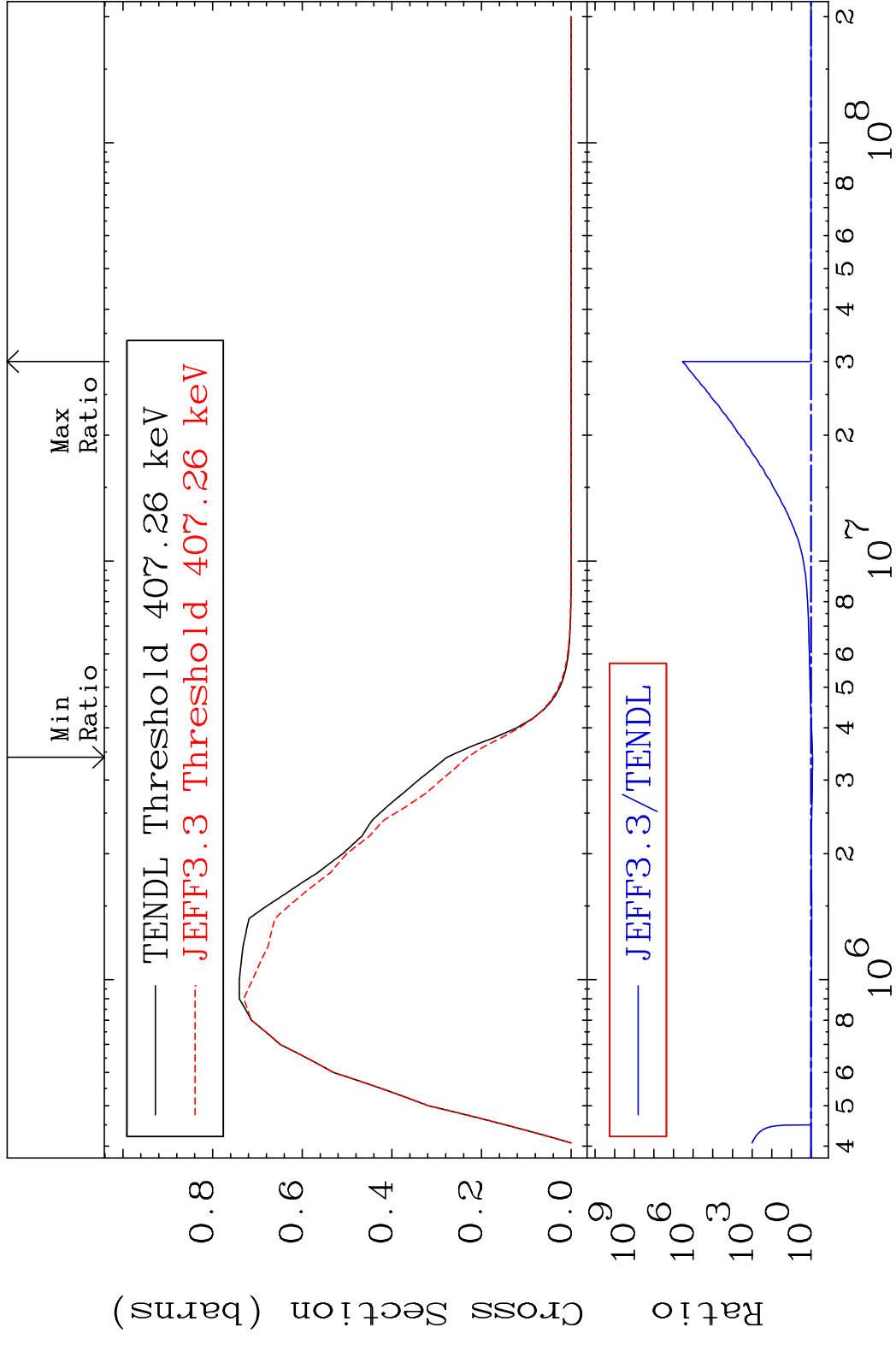


16

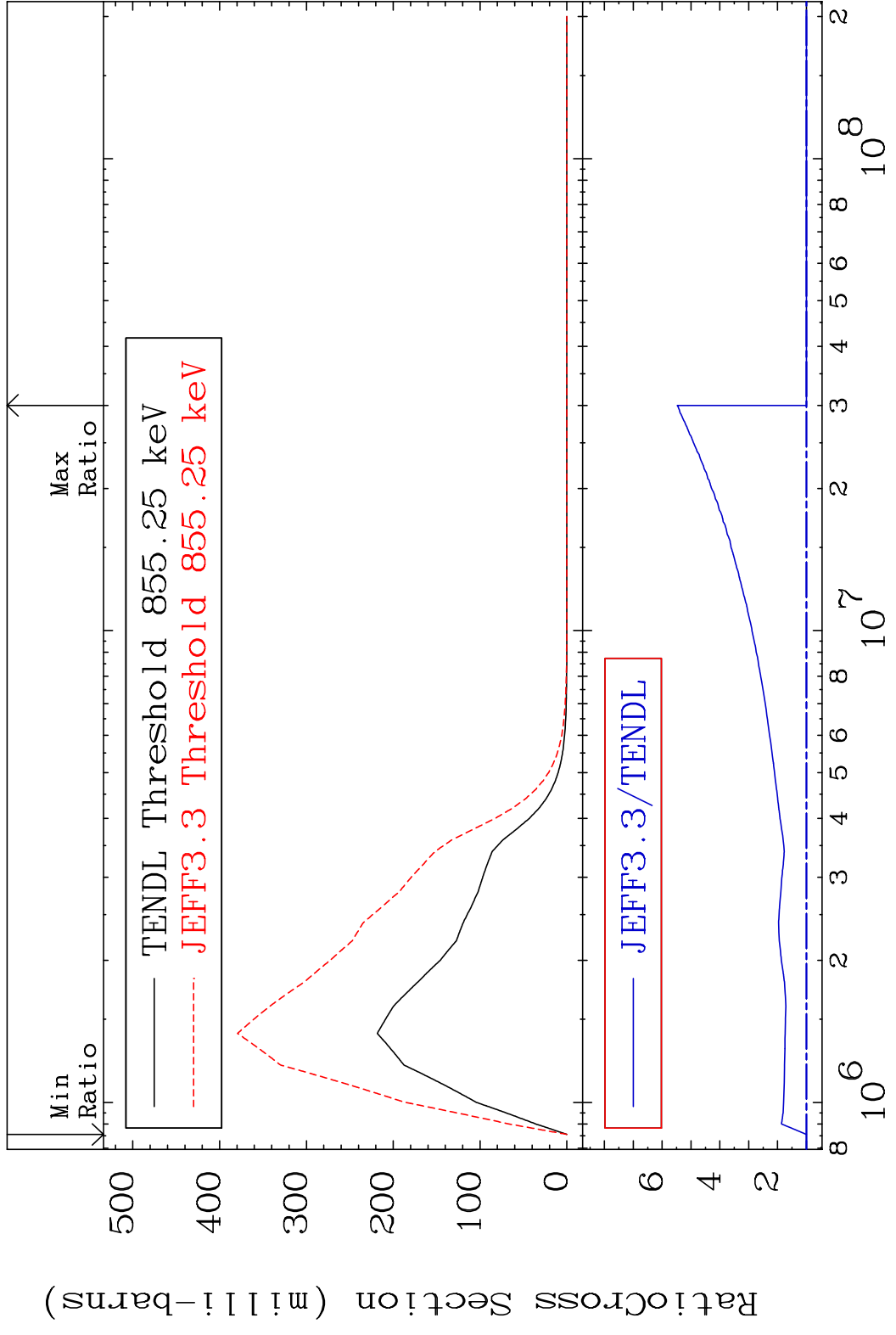
Incident Energy (eV)

$^{37}\text{Rb-87}$

MAT 3731 MT= 51 (n,n') Level 37-Rb-87
 Cross Section -16.34 To 9999. %

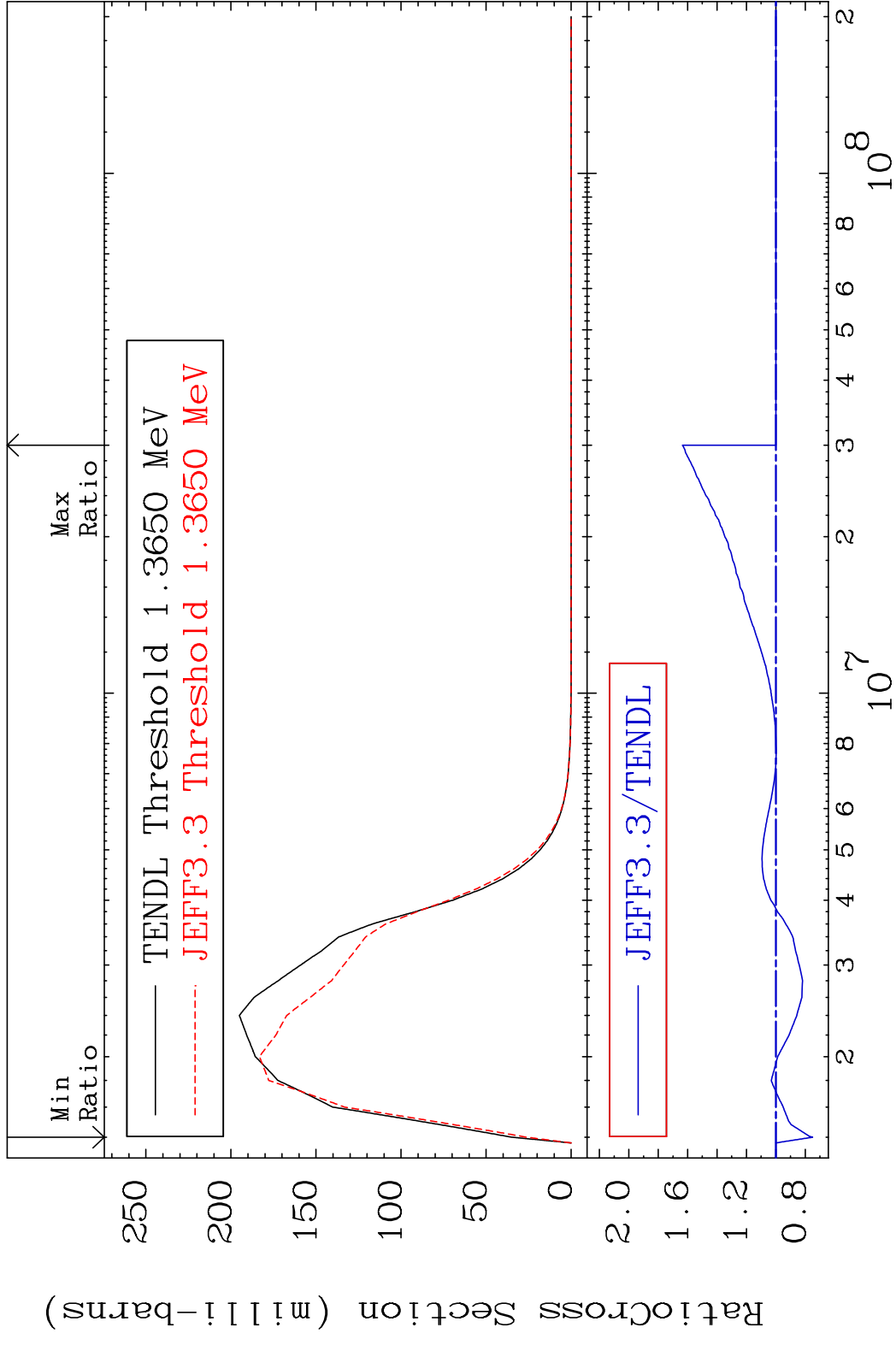


MAT 3731 MT= 52 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 447.9 %

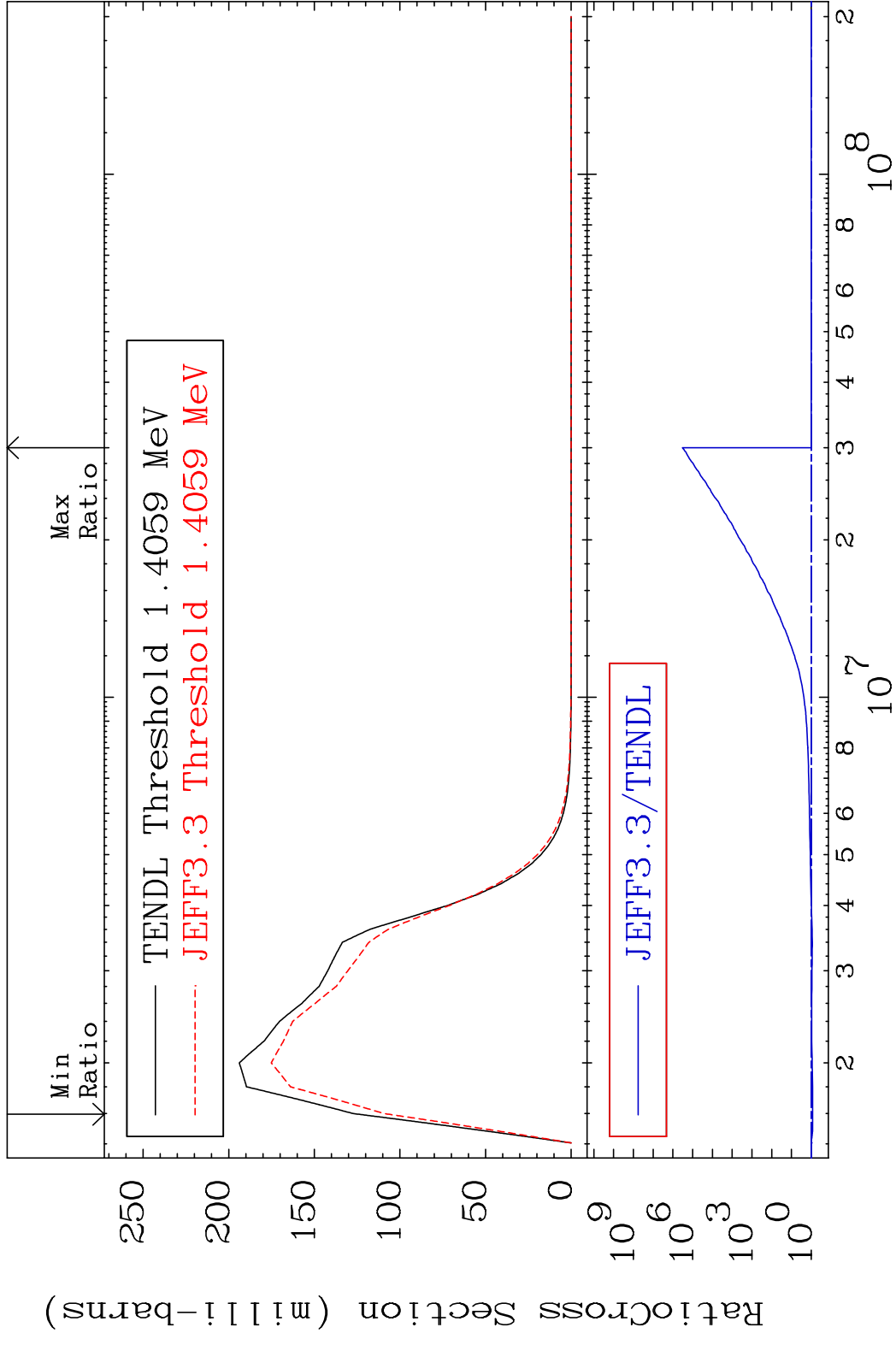


18 37-Rb-87

MAT 3731 MT= 53 (n, n') Level 37-Rb-87
 Cross Section -24.99 To 63.59 %

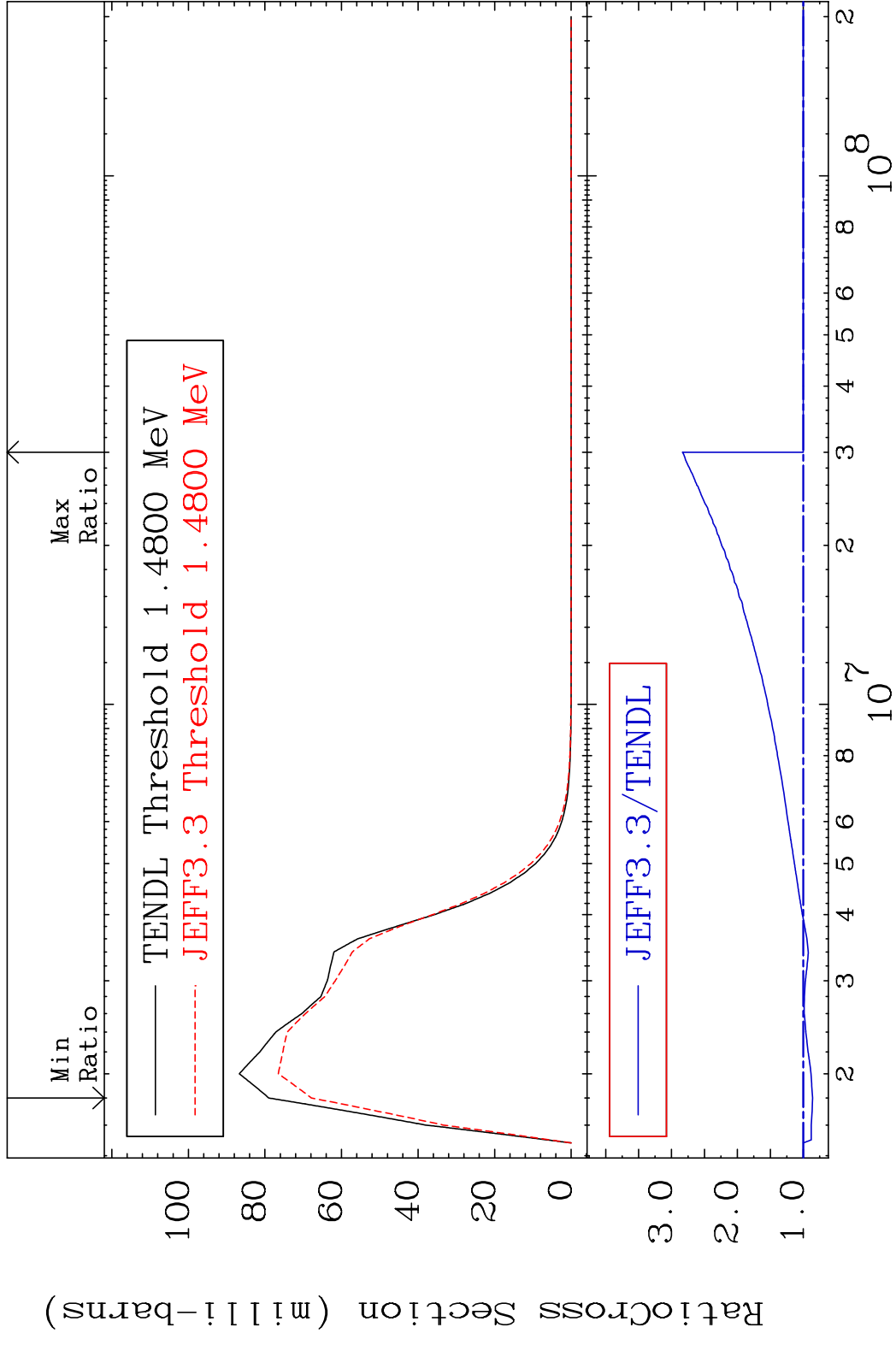


MAT 3731 MT= 54 (n,n') Level 37-Rb-87
 Cross Section -14.14 To 9999. %

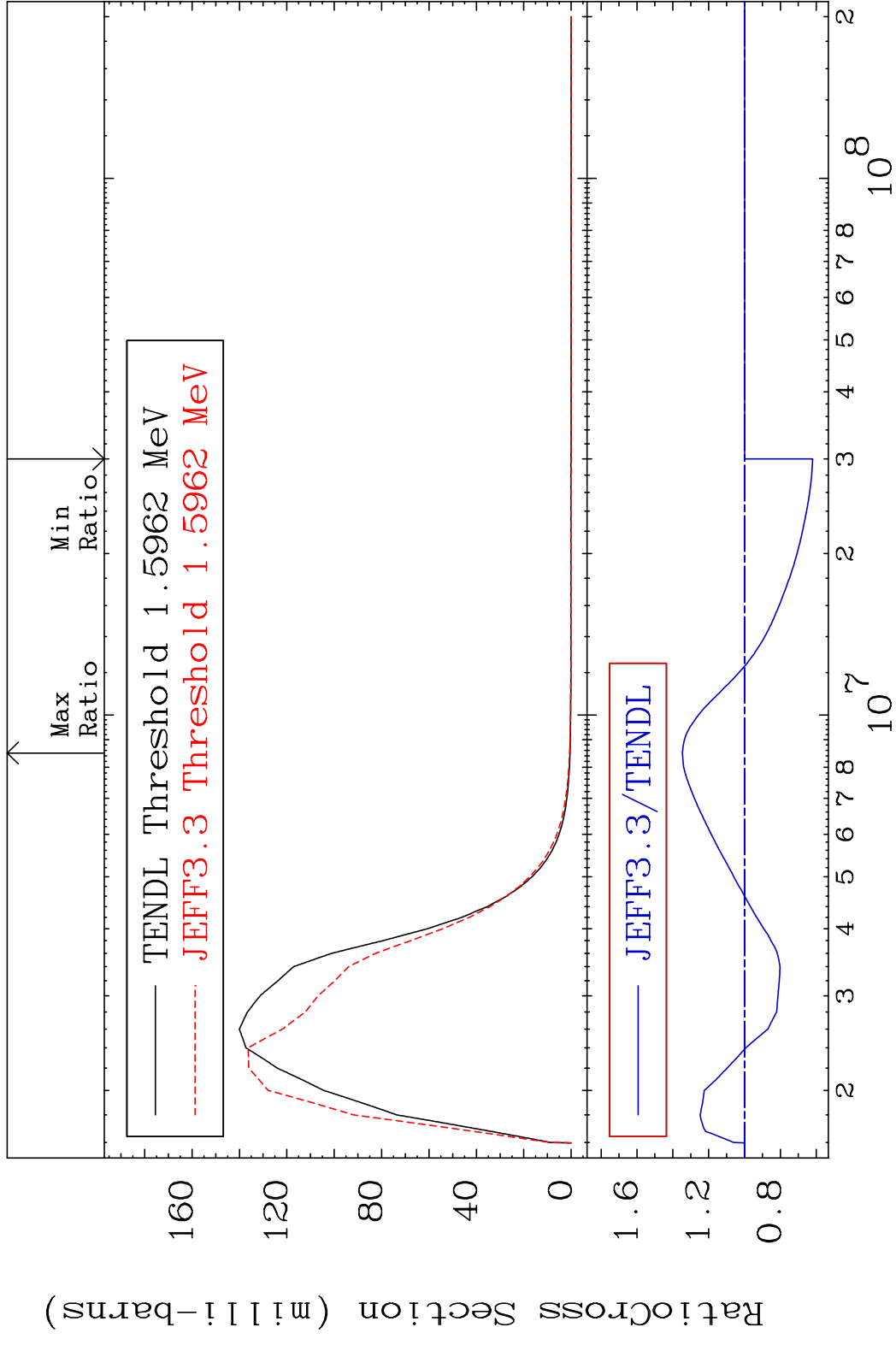


20 Incident Energy (eV) 37-Rb-87

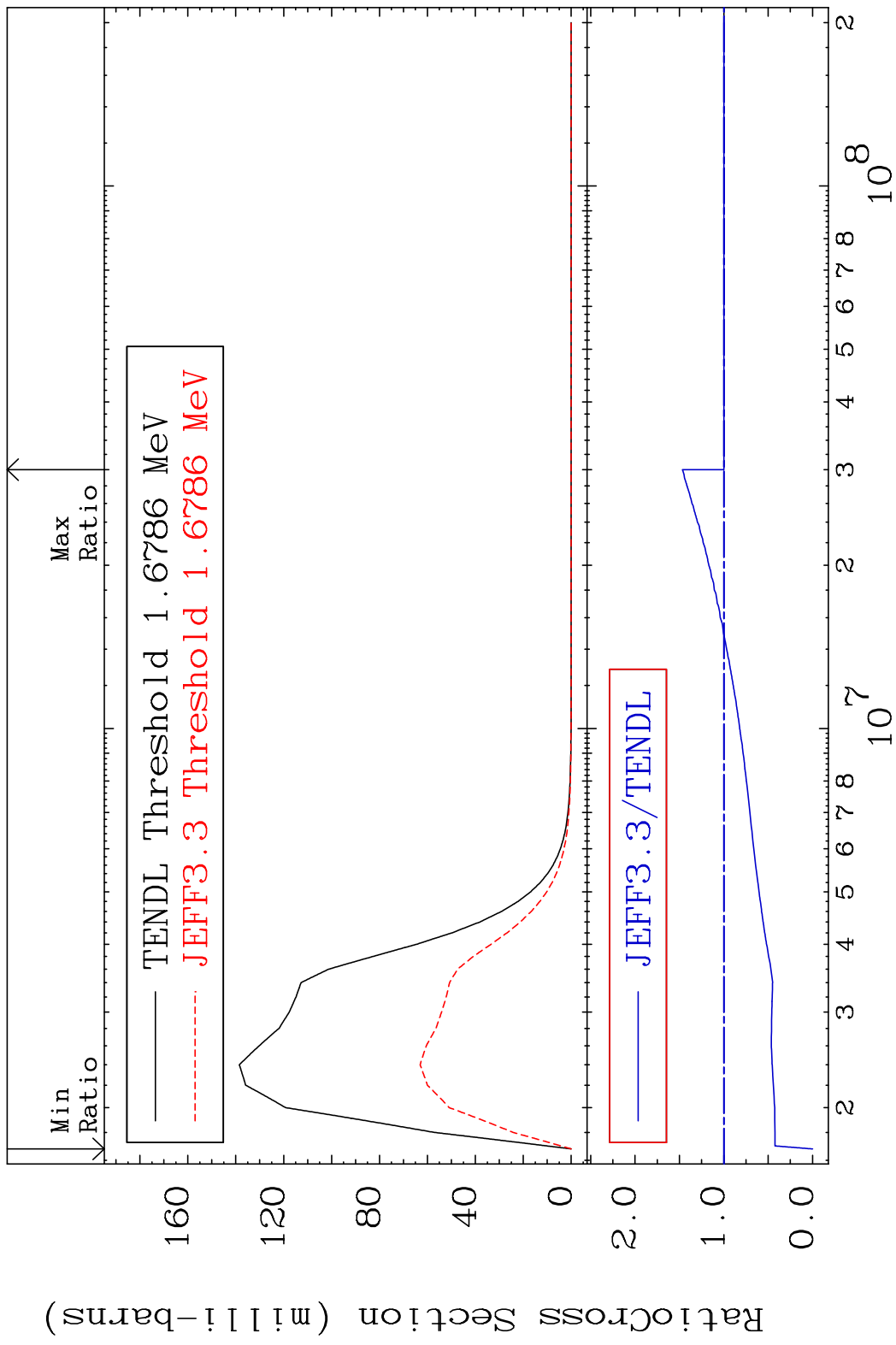
MAT 3731 MT= 55 (n, n') Level 37-Rb-87
 Cross Section -14.09 To 183.6 %



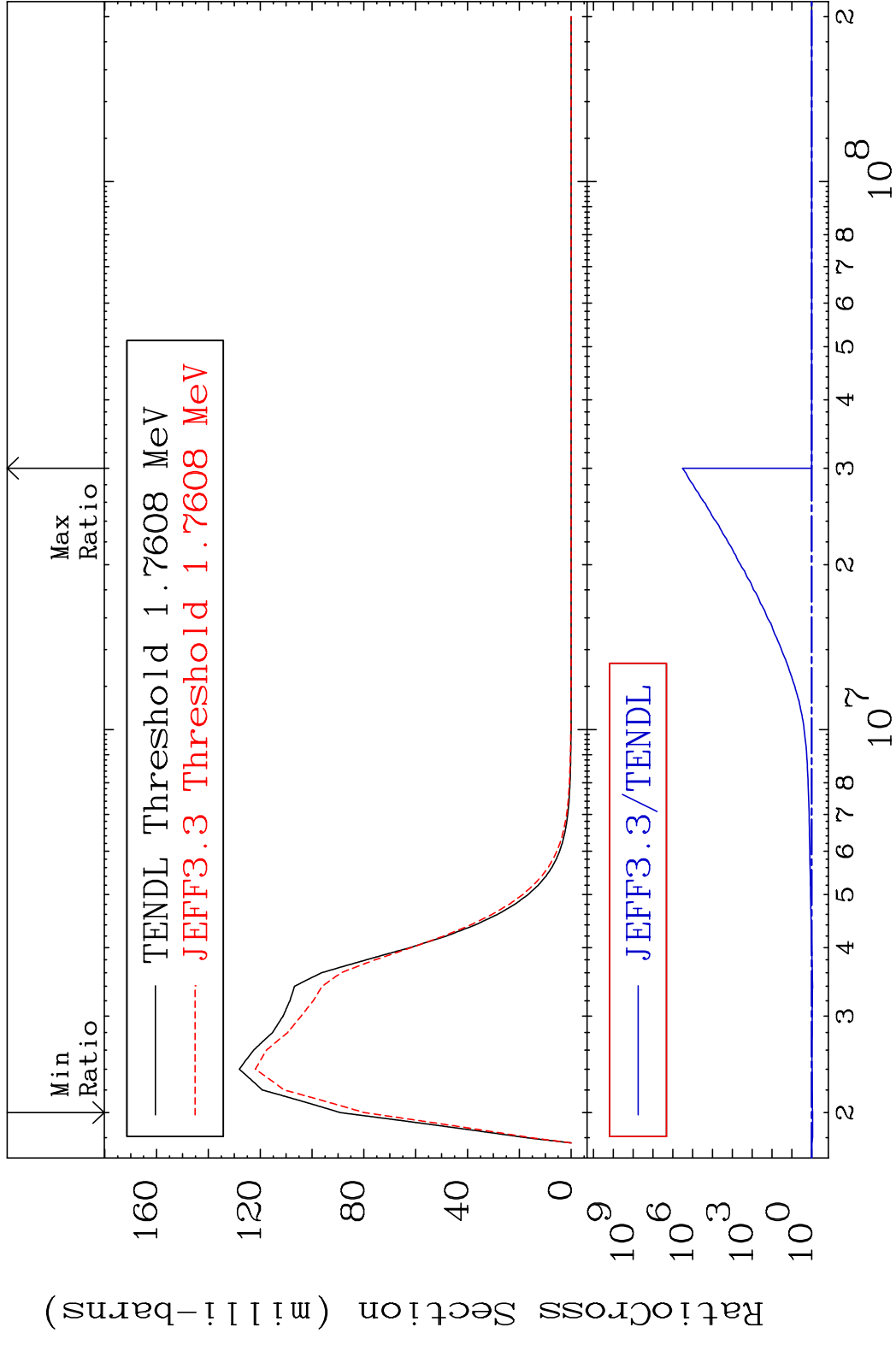
MAT 3731 MT= 56 (n,n') Level 37-Rb-87
 Cross Section -37.95 To 34.69 %



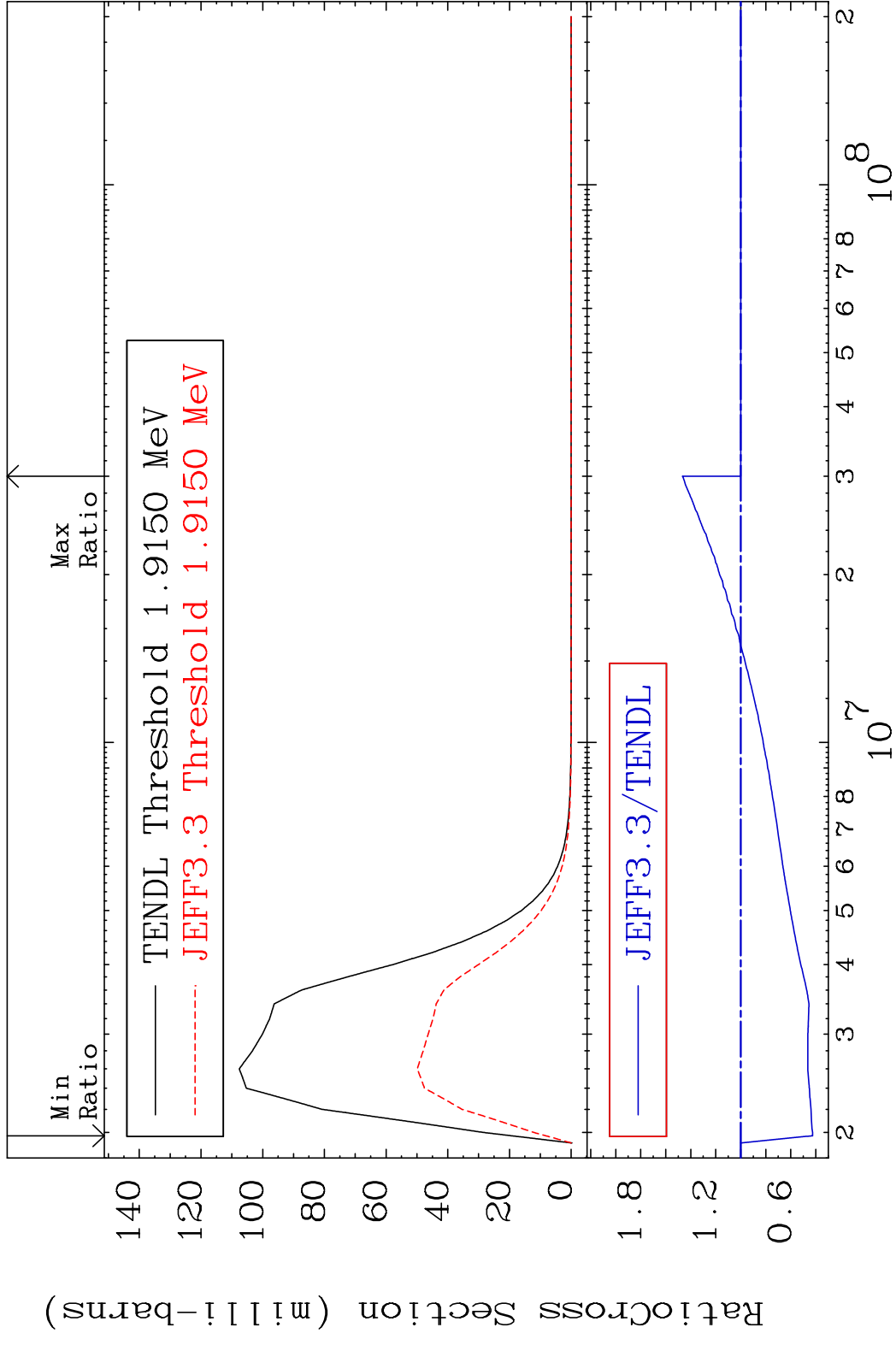
MAT 3731 MT= 57 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 46.69 %



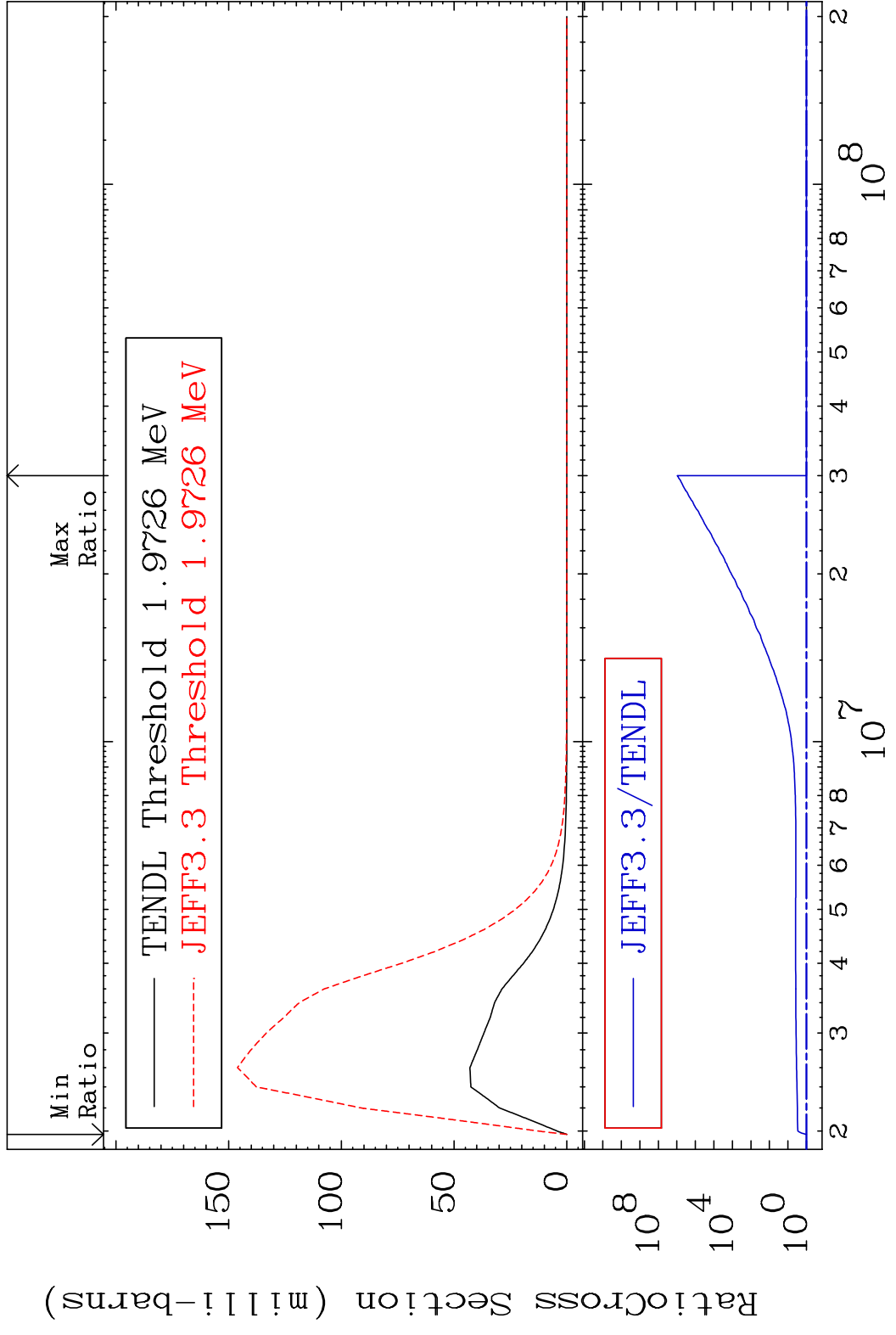
MAT 3731 MT= 58 (n, n') Level 37-Rb-87
 Cross Section -10.38 To 9999. %



MAT 3731 MT= 59 (n, n') Level 37-Rb-87
 Cross Section -57.42 To 46.70 %



MAT 3731 MT= 60 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 9999. %

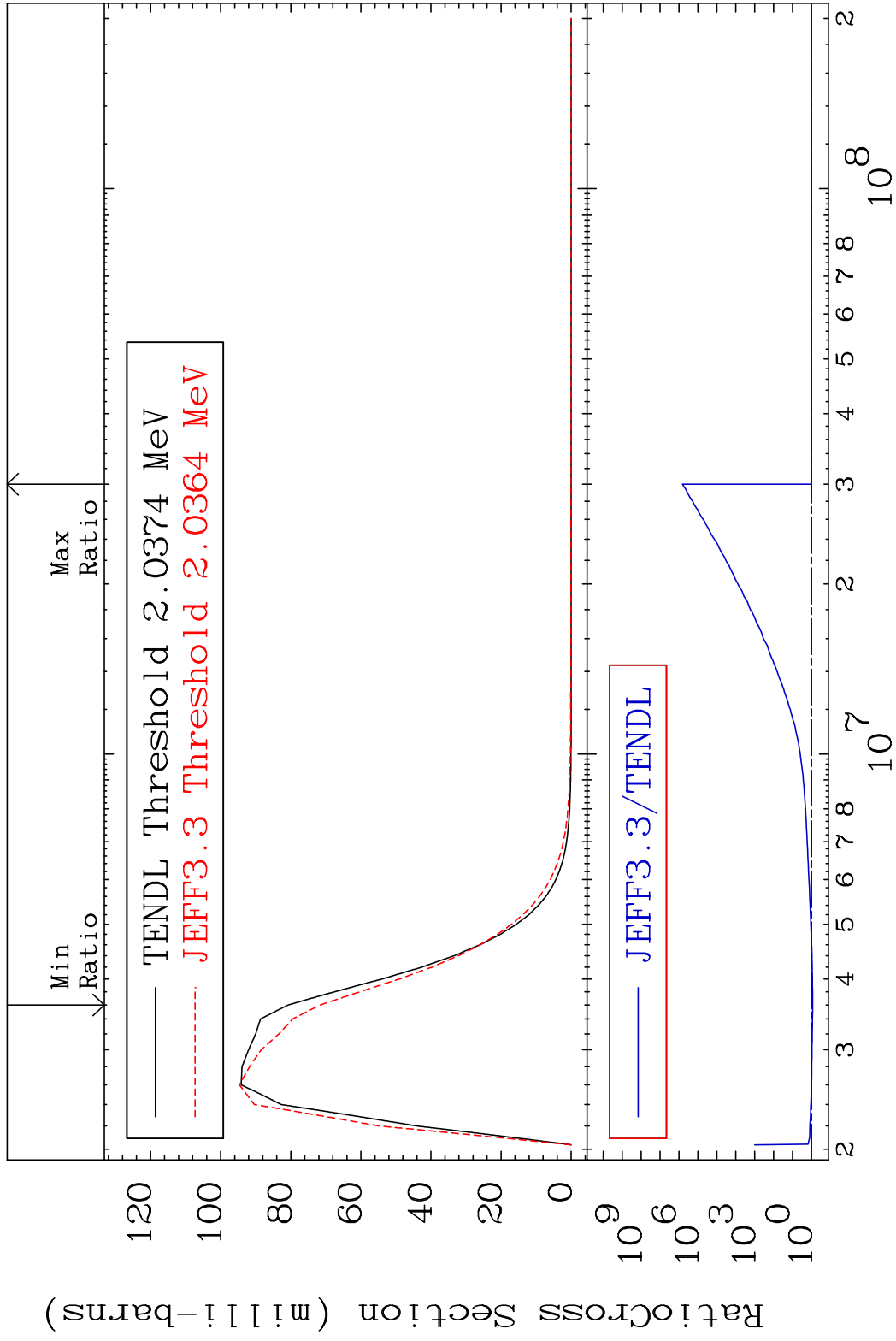


MAT 3731

MT= 61 (n, n') Level

37-Rb-87

Cross Section -11.32 To 9999. %

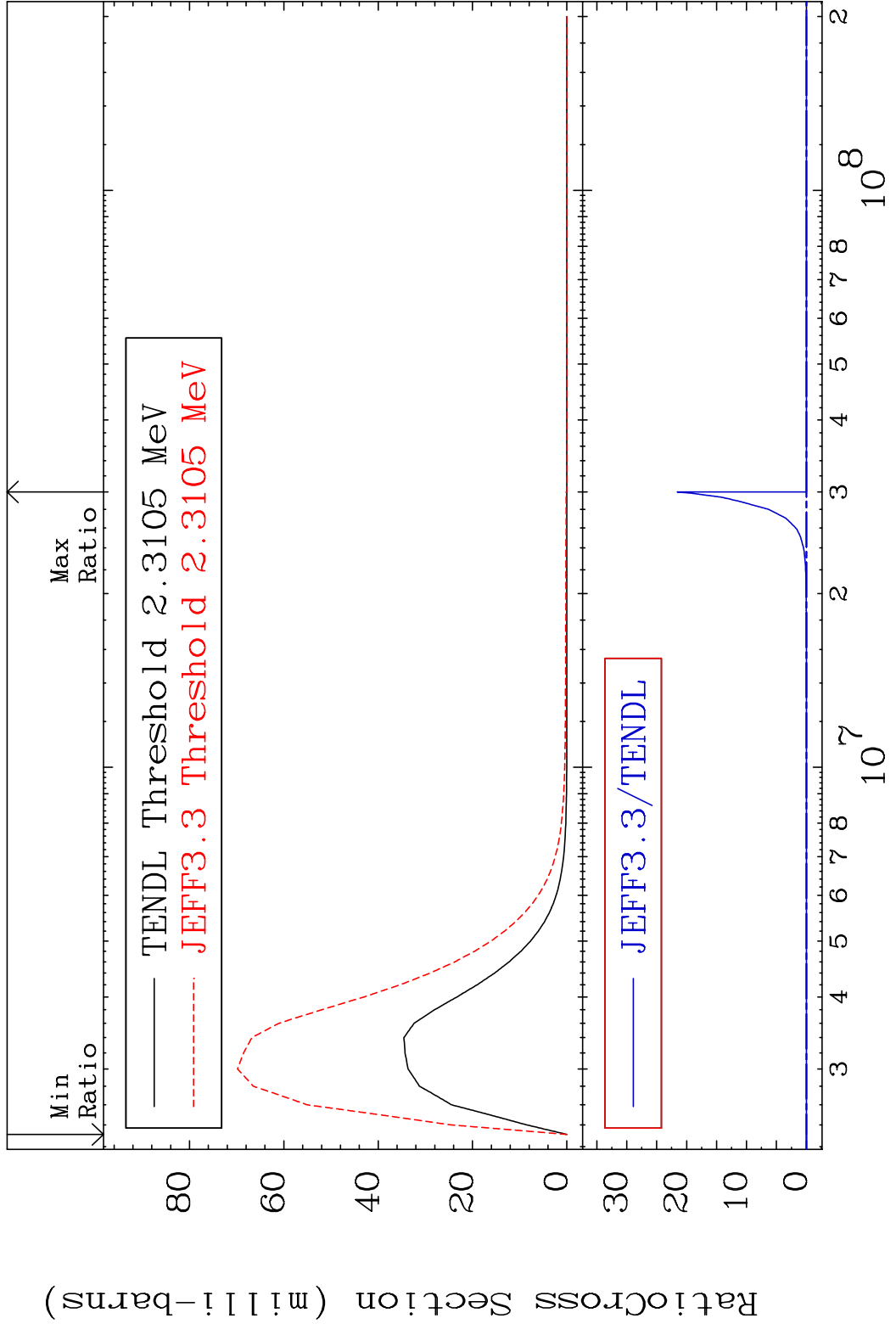


27

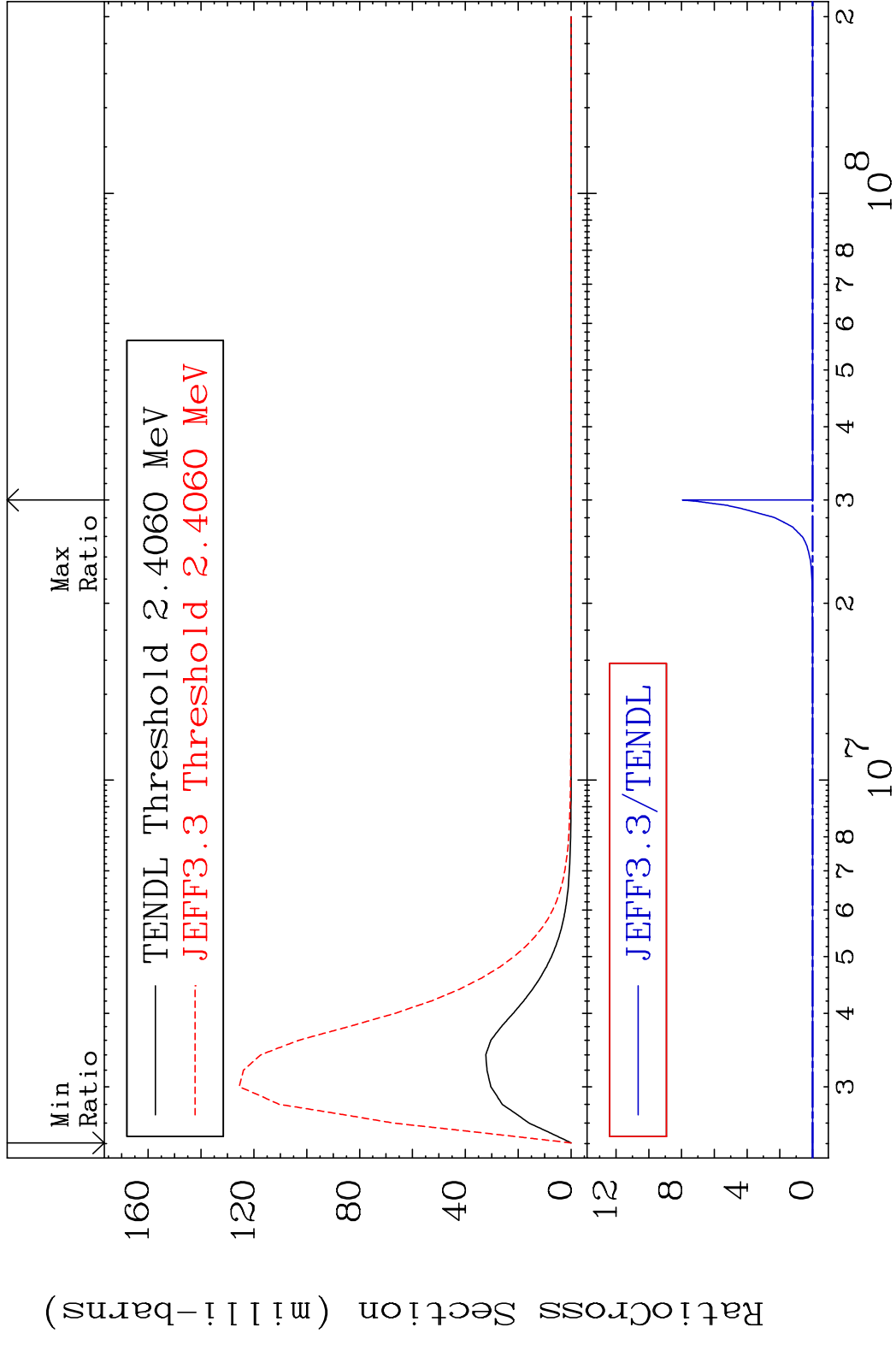
Incident Energy (eV)

37-Rb-87

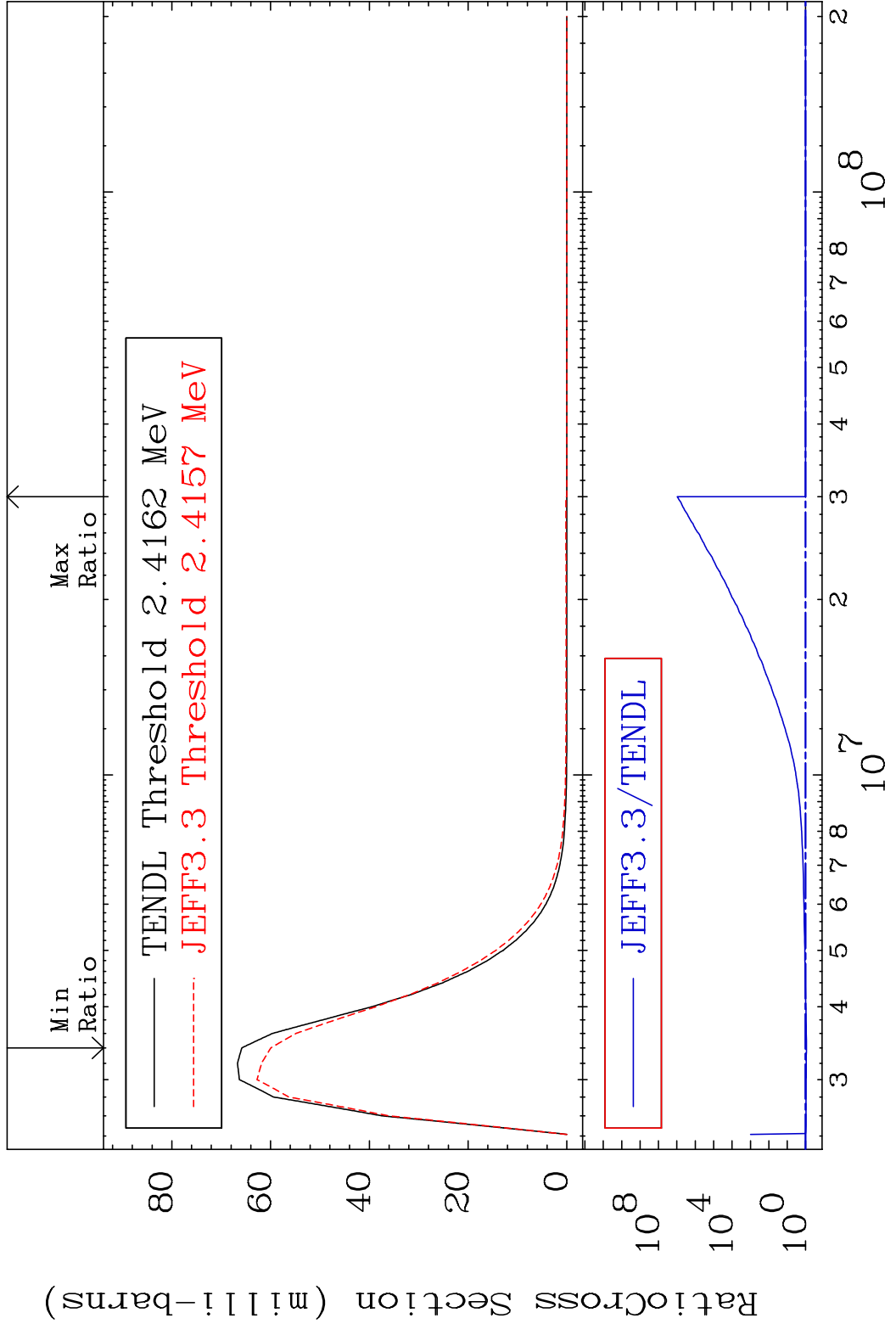
MAT 3731 MT= 62 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 MT= 63 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

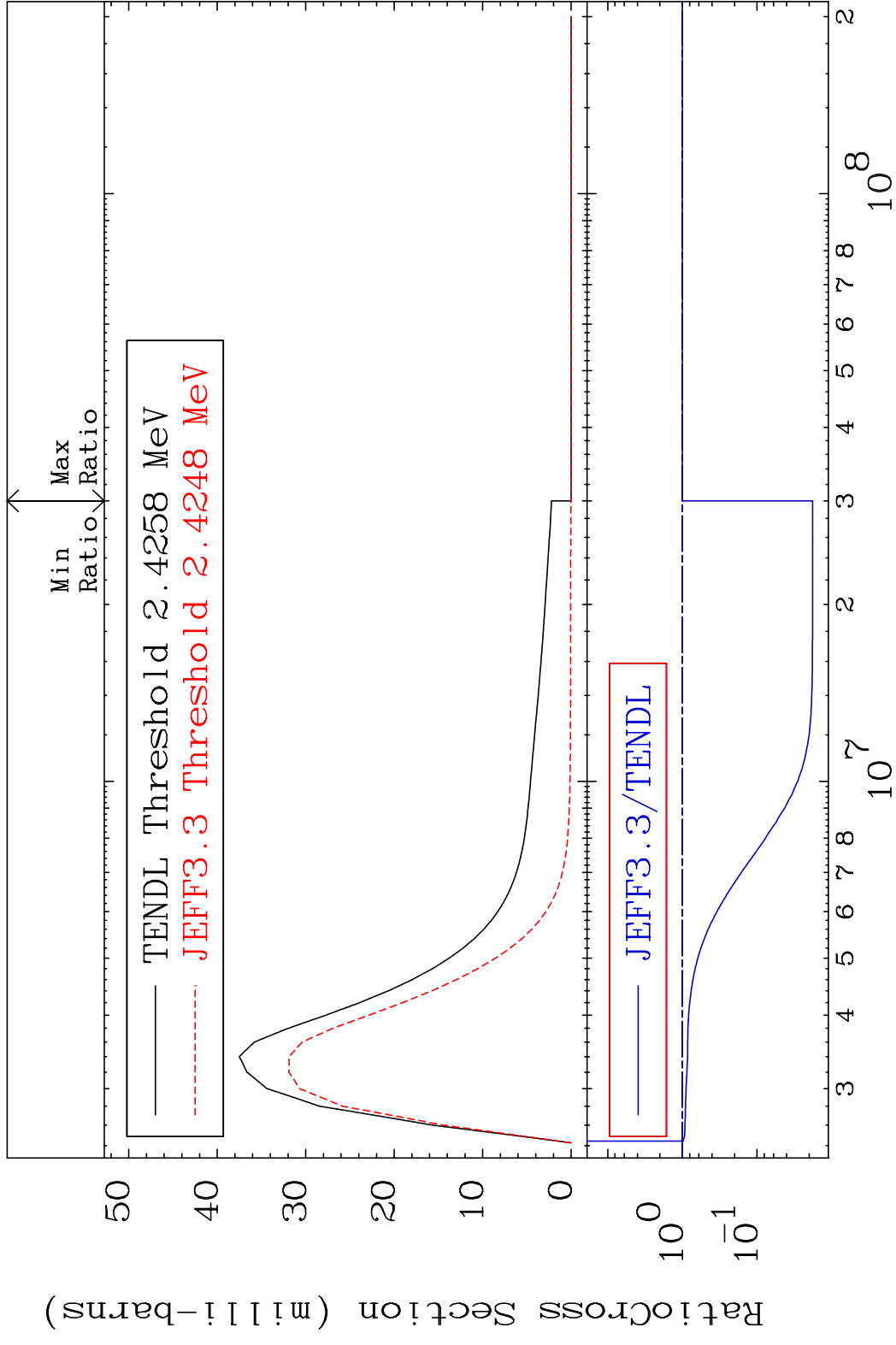


MAT 3731 MT= 64 (n, n') Level 37-Rb-87
 Cross Section -8.950 To 9999. %

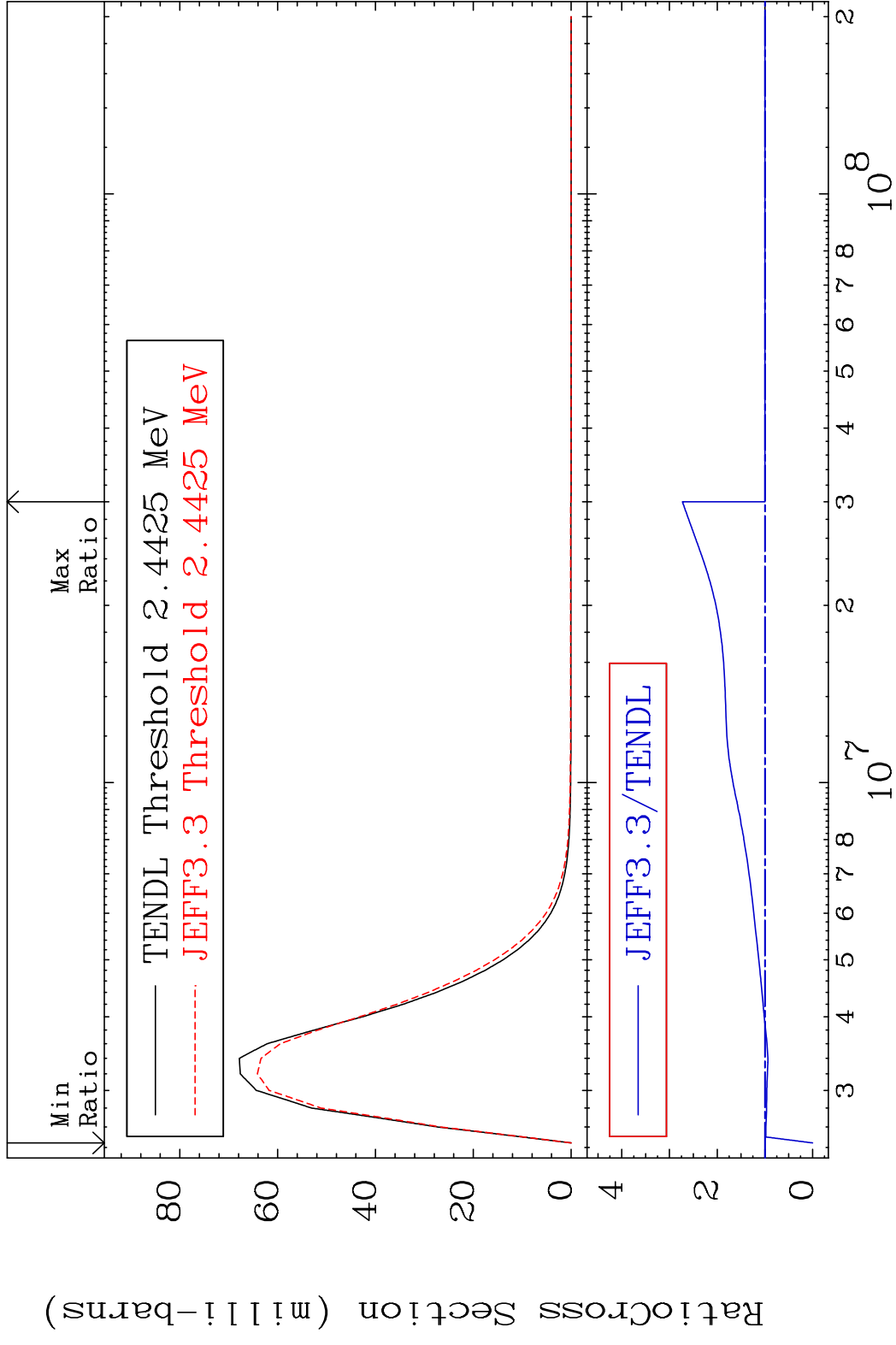


30 Incident Energy (eV) 37-Rb-87

MAT 3731 MT= 65 (n, n') Level 37-Rb-87
 Cross Section -98.20 To 0.000 %



MAT 3731 MT= 66 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 173.0 %

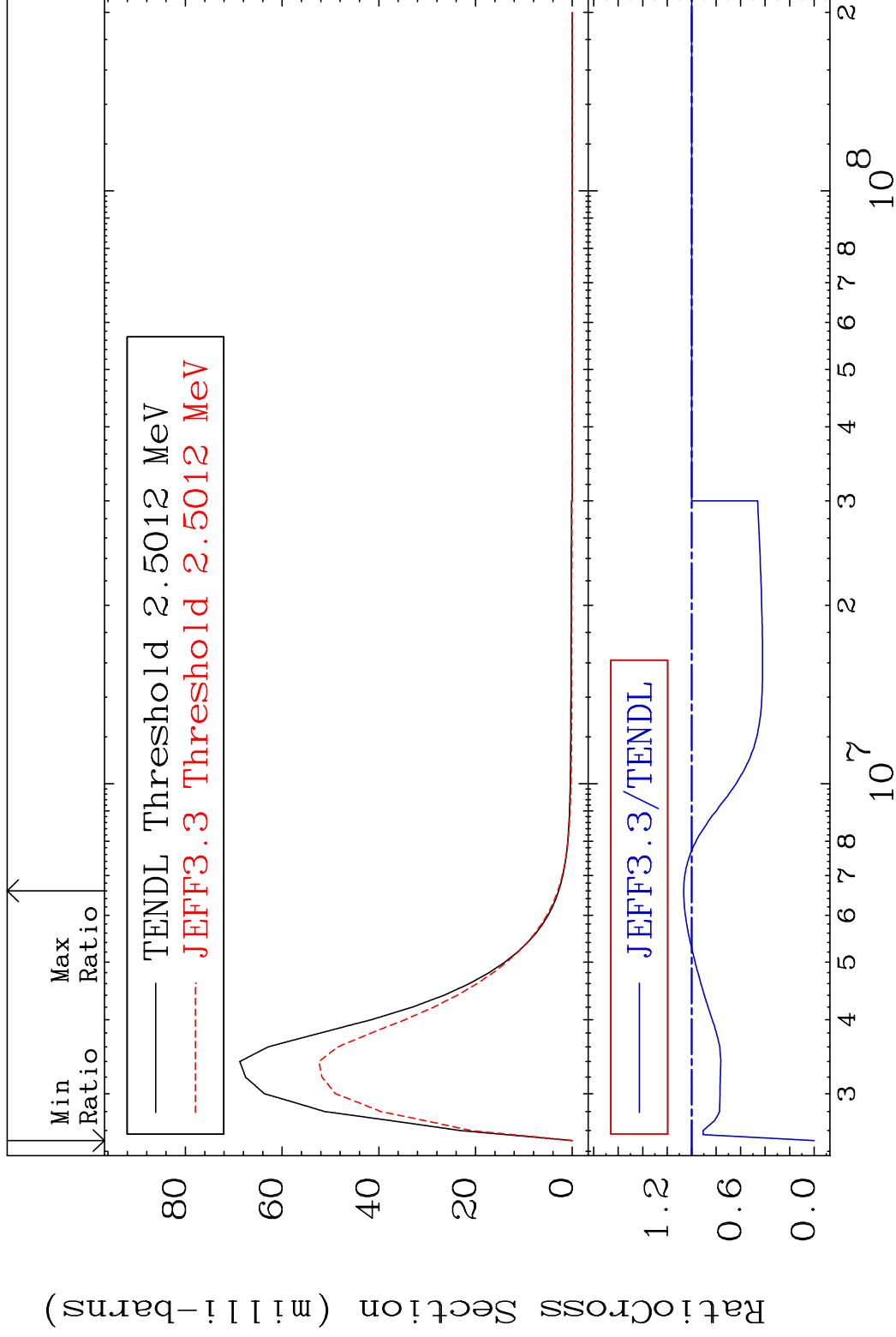


MAT 3731

MT= 67 (n, n') Level

37-Rb-87

Cross Section -100.0 To 6.543 %

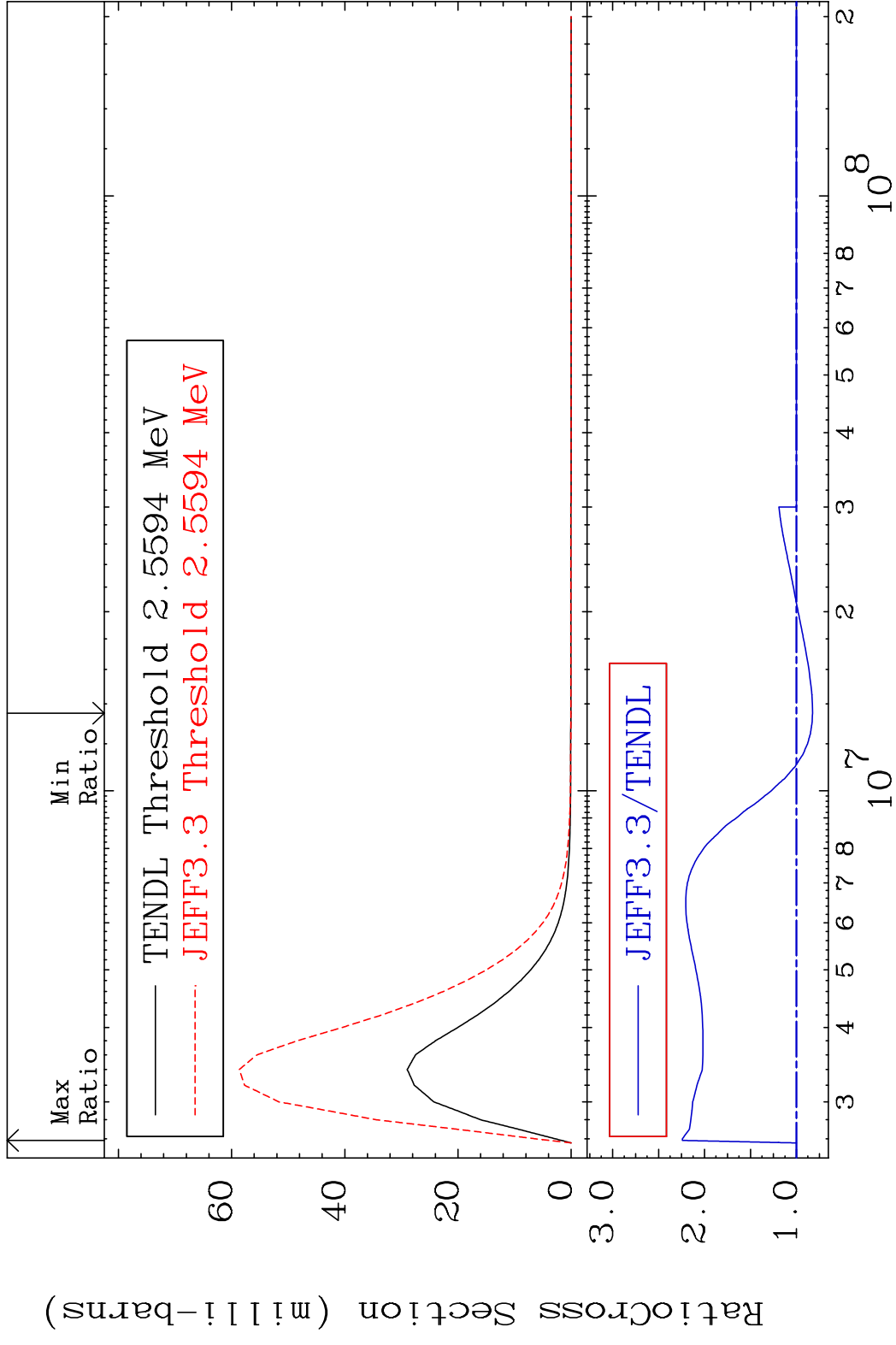


33

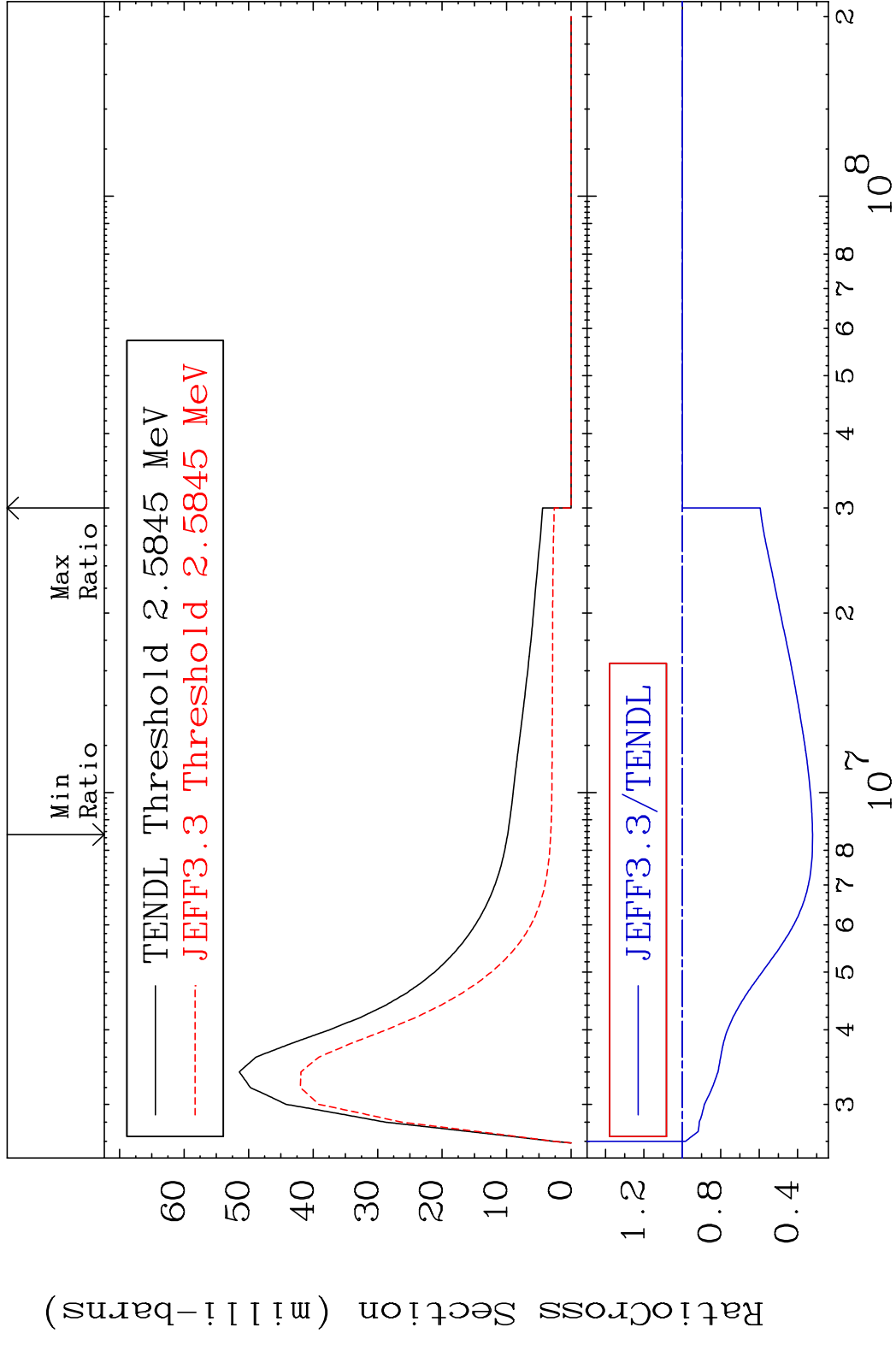
Incident Energy (eV)

37-Rb-87

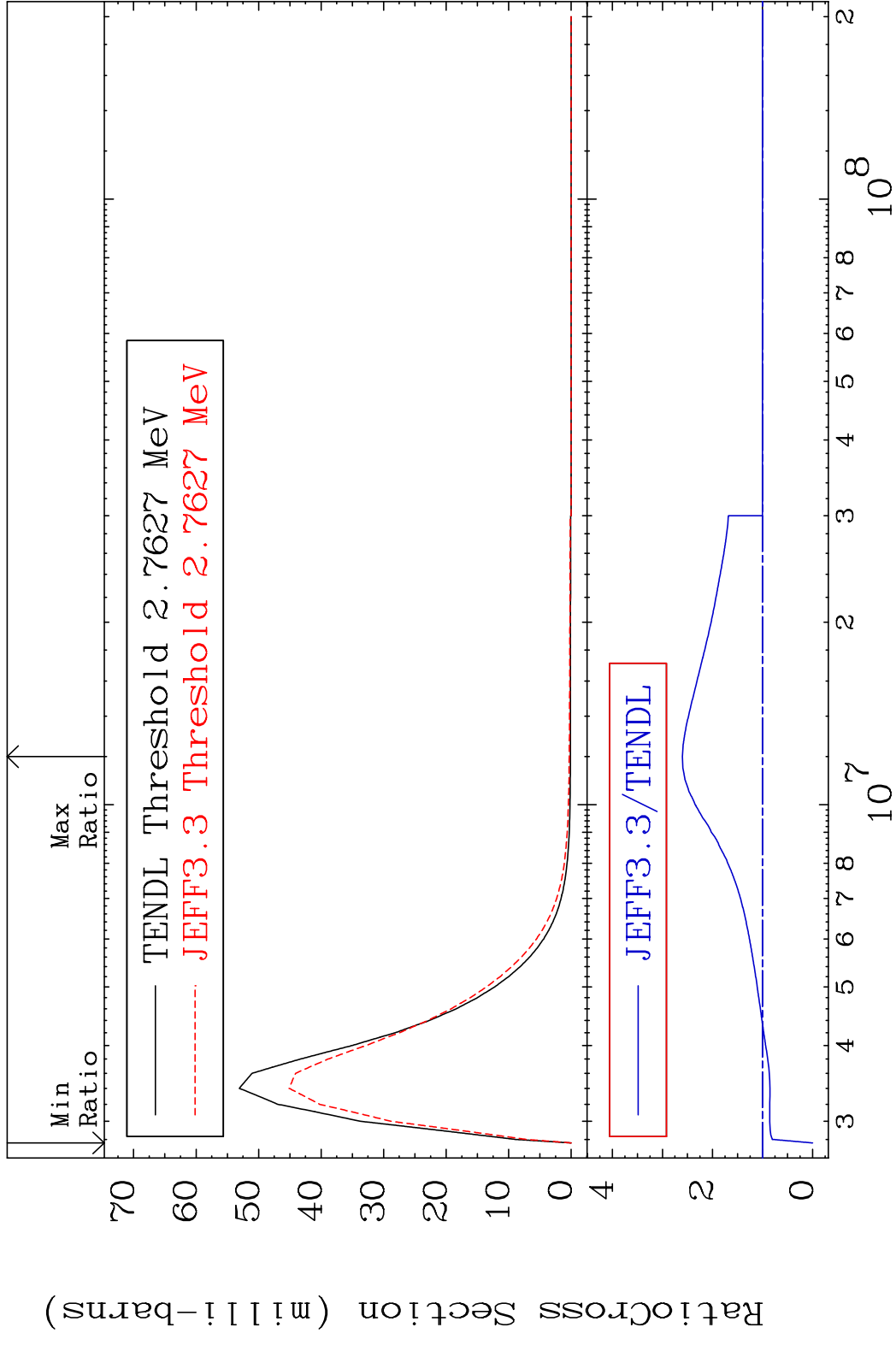
MAT 3731 MT= 68 (n, n') Level 37-Rb-87
 Cross Section -17.59 To 124.1 %



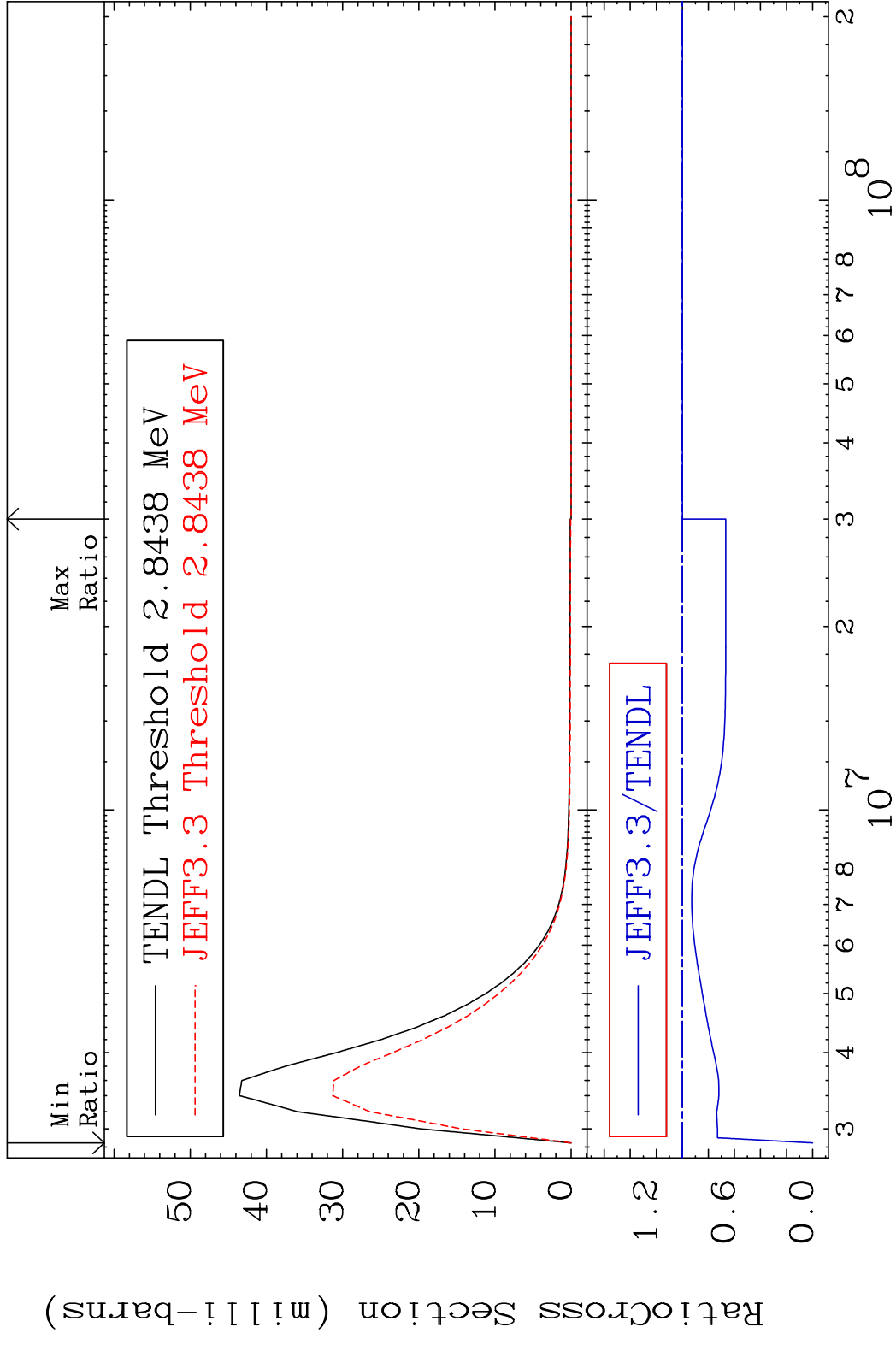
MAT 3731 MT= 69 (n, n') Level 37-Rb-87
 Cross Section -67.80 To 0.000 %



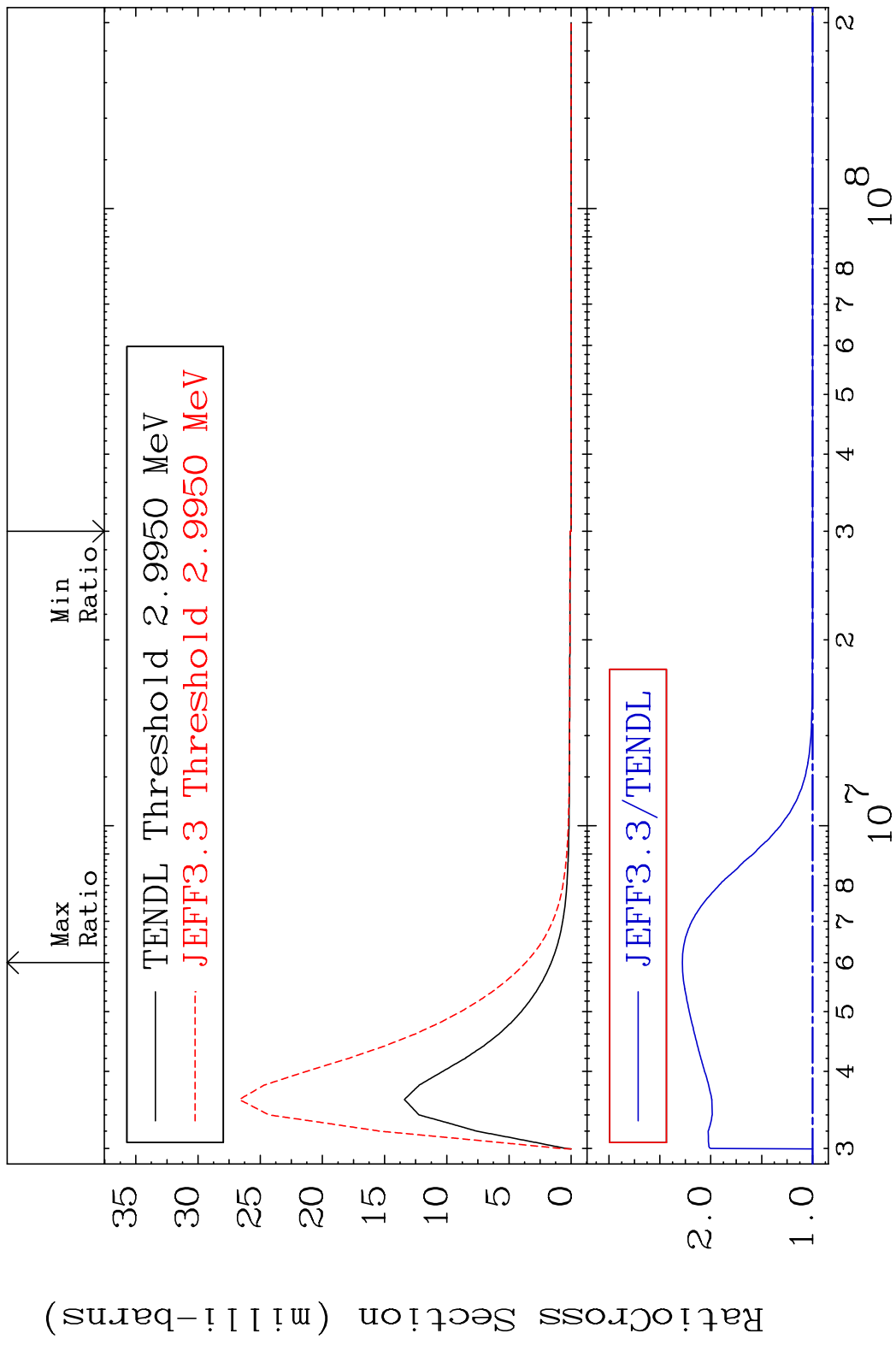
MAT 3731 MT= 70 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 160.2 %



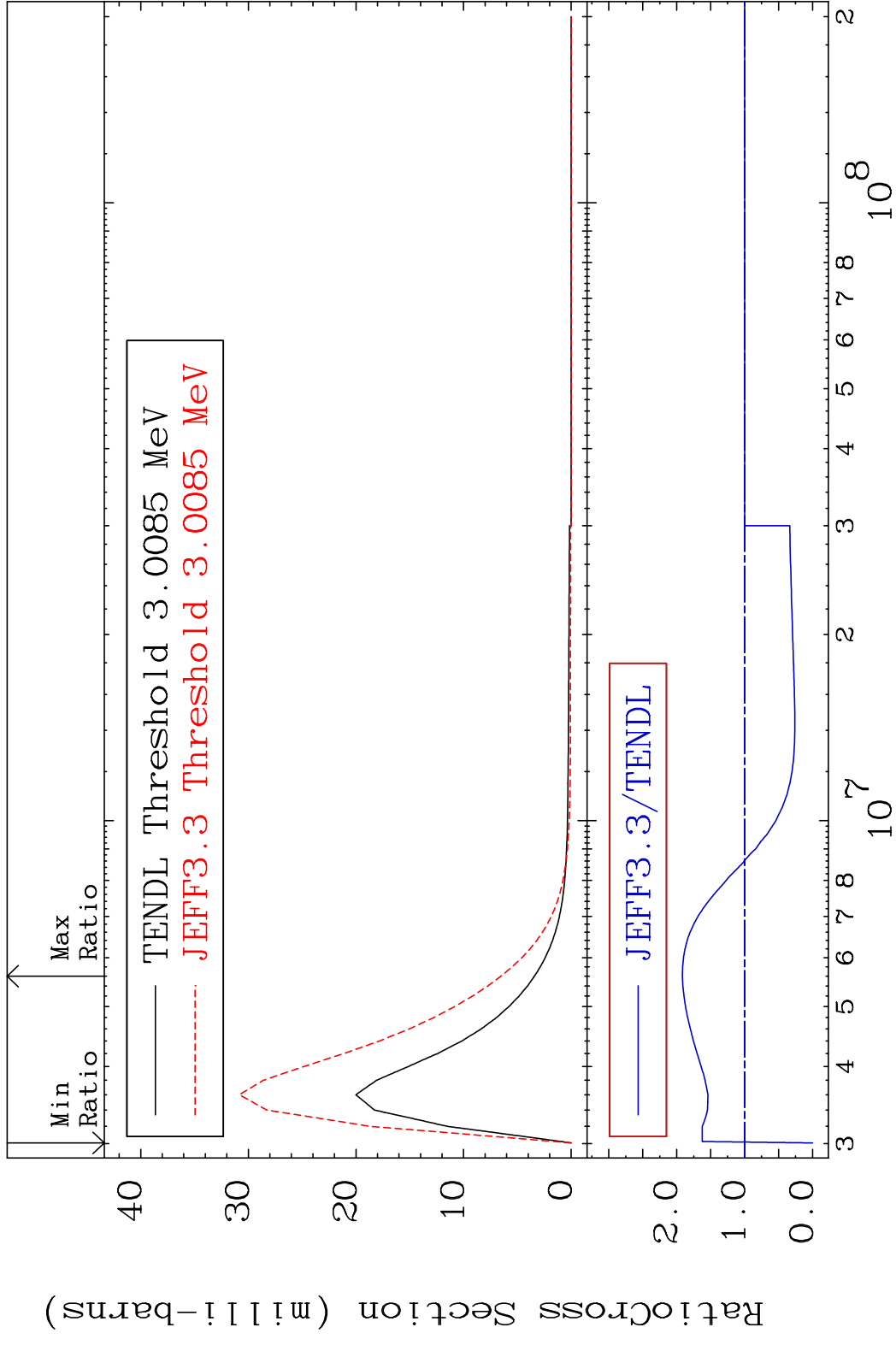
MAT 3731 MT= 71 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 0.000 %



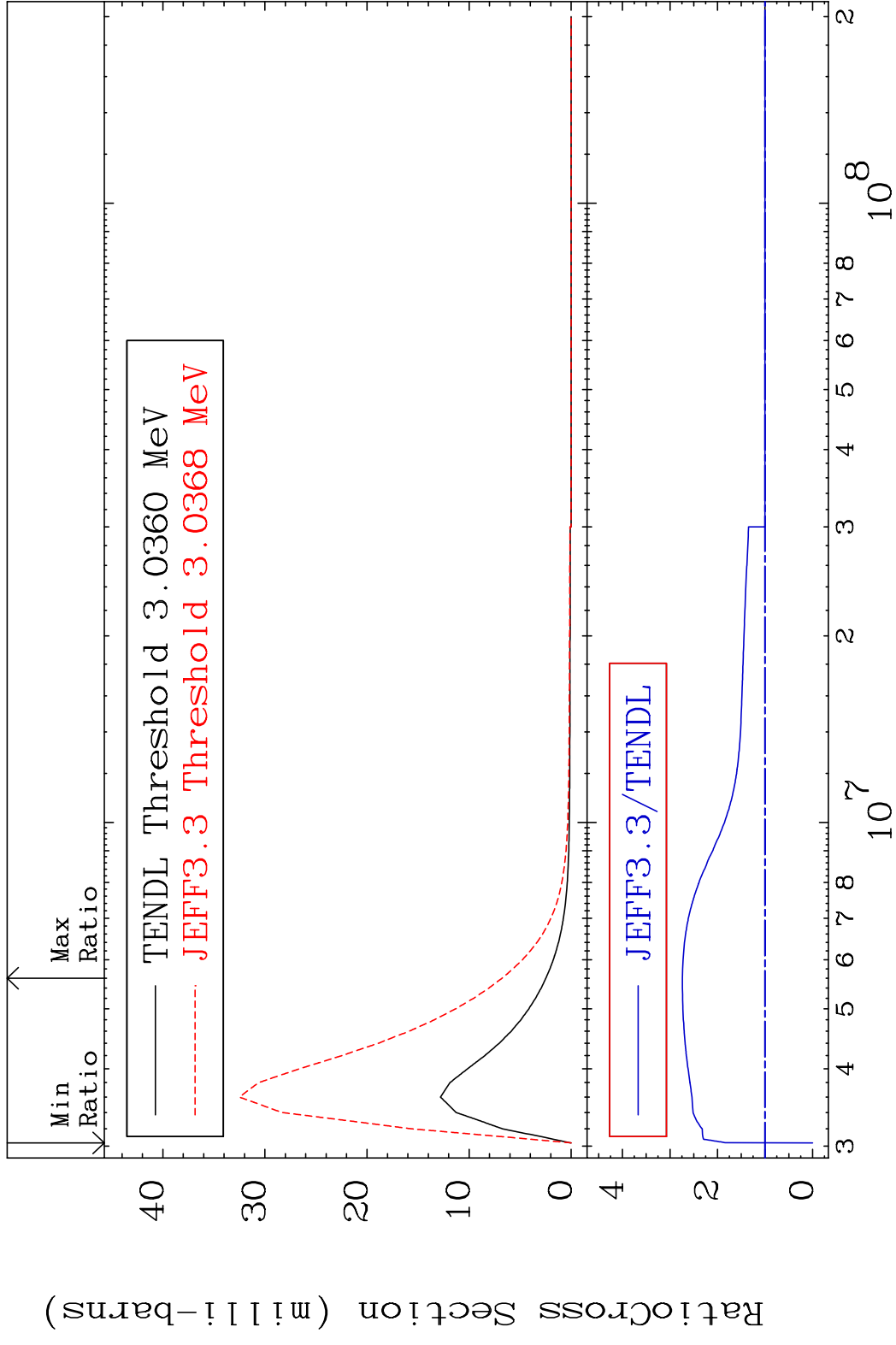
MAT 3731 MT= 72 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 127.9 %



MAT 3731 MT= 73 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 91.67 %

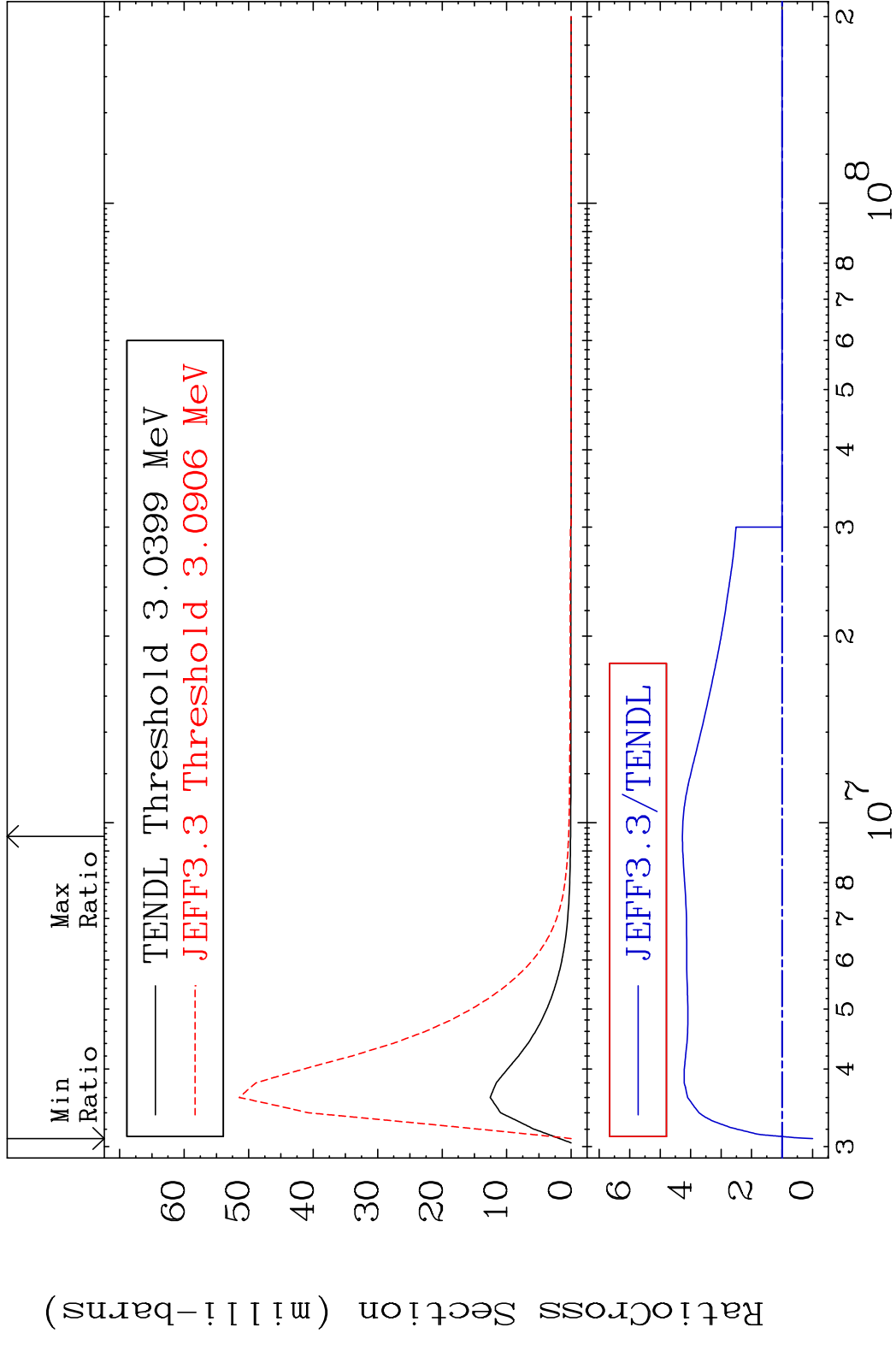


MAT 3731 MT= 74 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 174.0 %

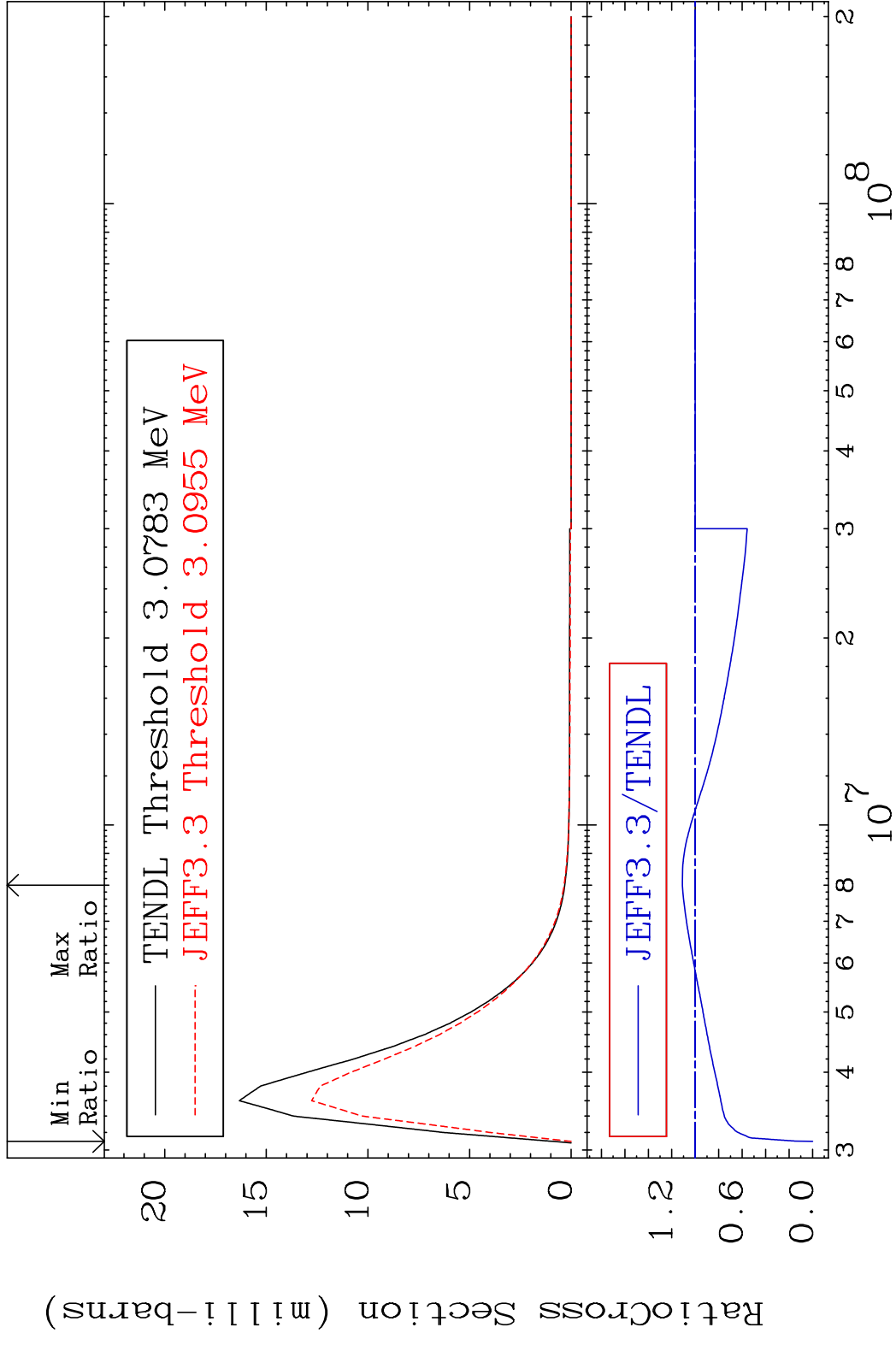


40 Incident Energy (eV) 37-Rb-87

MAT 3731 MT= 75 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 327.2 %



MAT 3731 MT= 76 (n,n') Level 37-Rb-87
 Cross Section -100.0 To 10.98 %

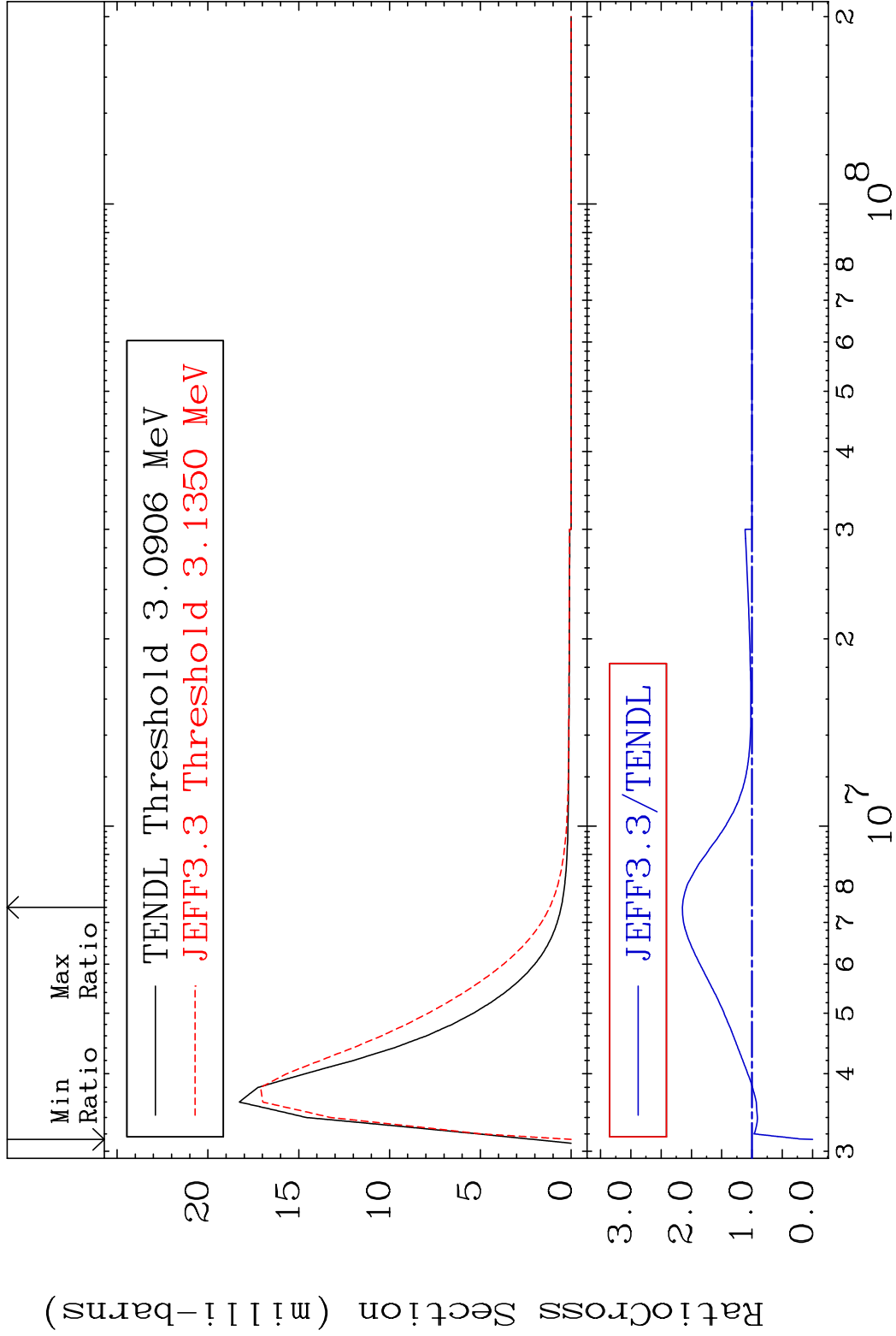


MAT 3731

MT= 77 (n, n') Level

37-Rb-87

Cross Section -100.0 To 115.0 %

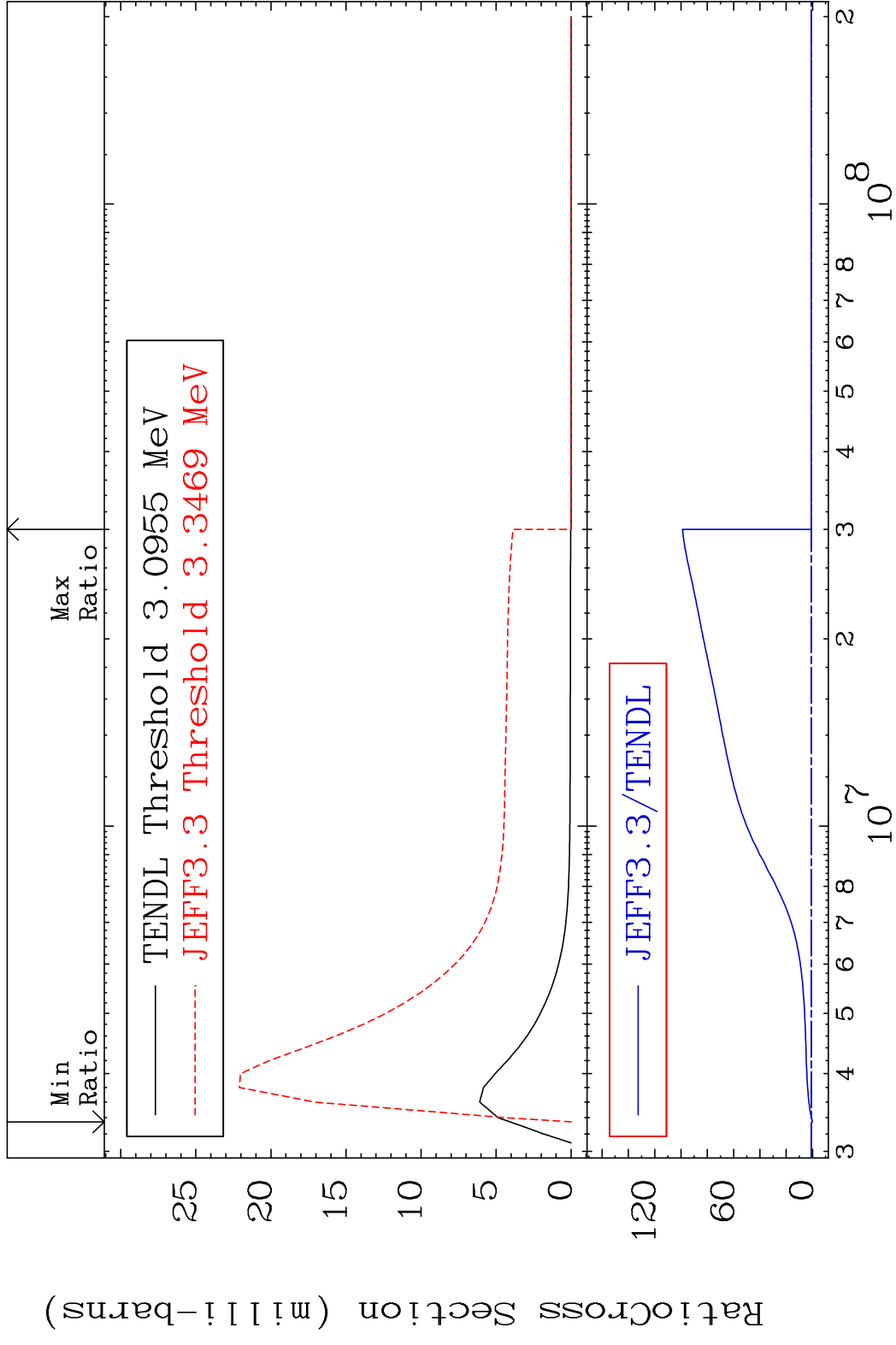


43

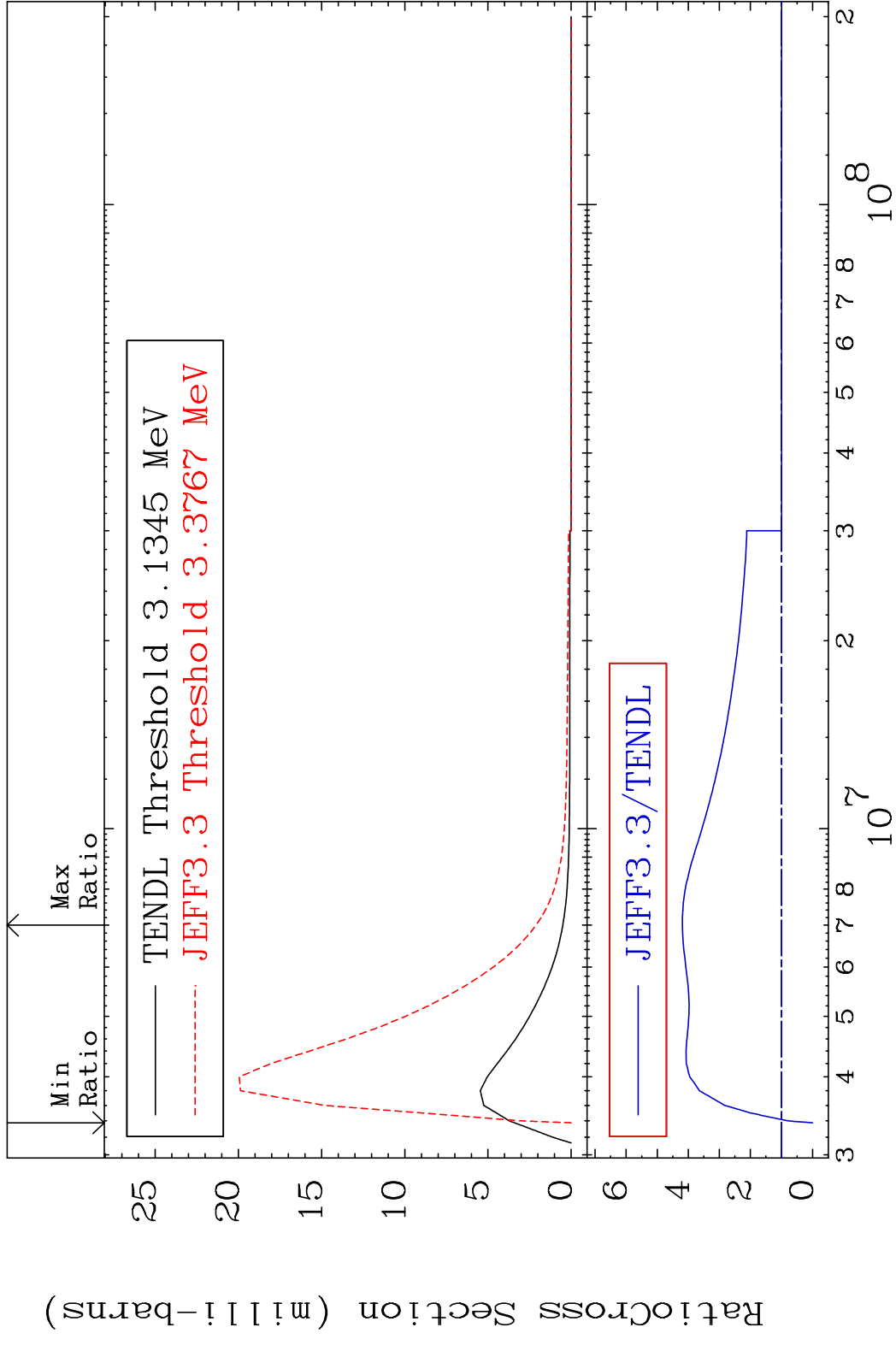
Incident Energy (eV)

37-Rb-87

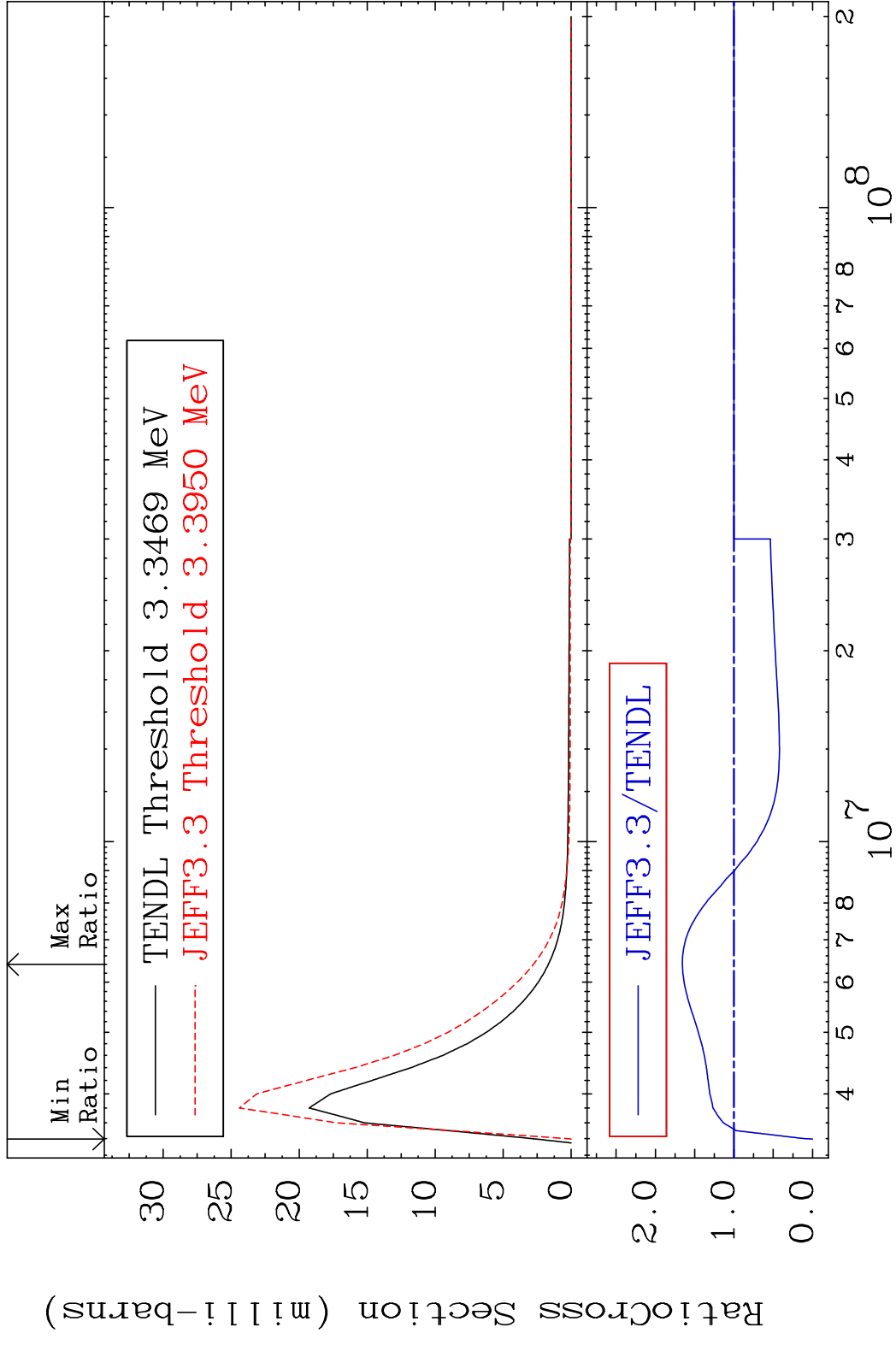
MAT 3731 MT= 78 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9797. %



MAT 3731 MT= 79 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 319.1 %



MAT 3731 MT= 80 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 65.70 %

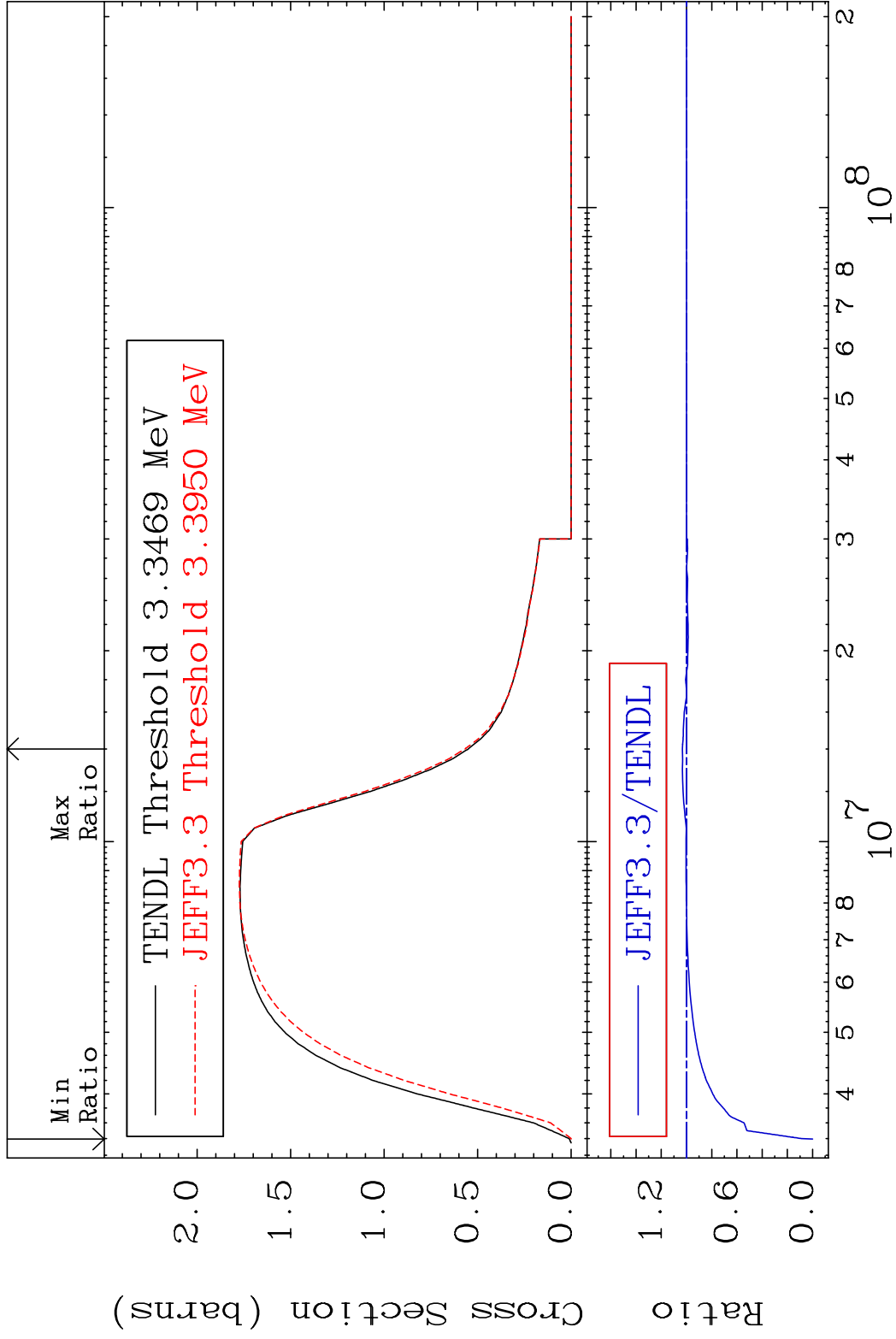


MAT 3731

(n,n') Continuum

37-Rb-87

Cross Section -100.0 To 3.281 %



47

Incident Energy (eV)

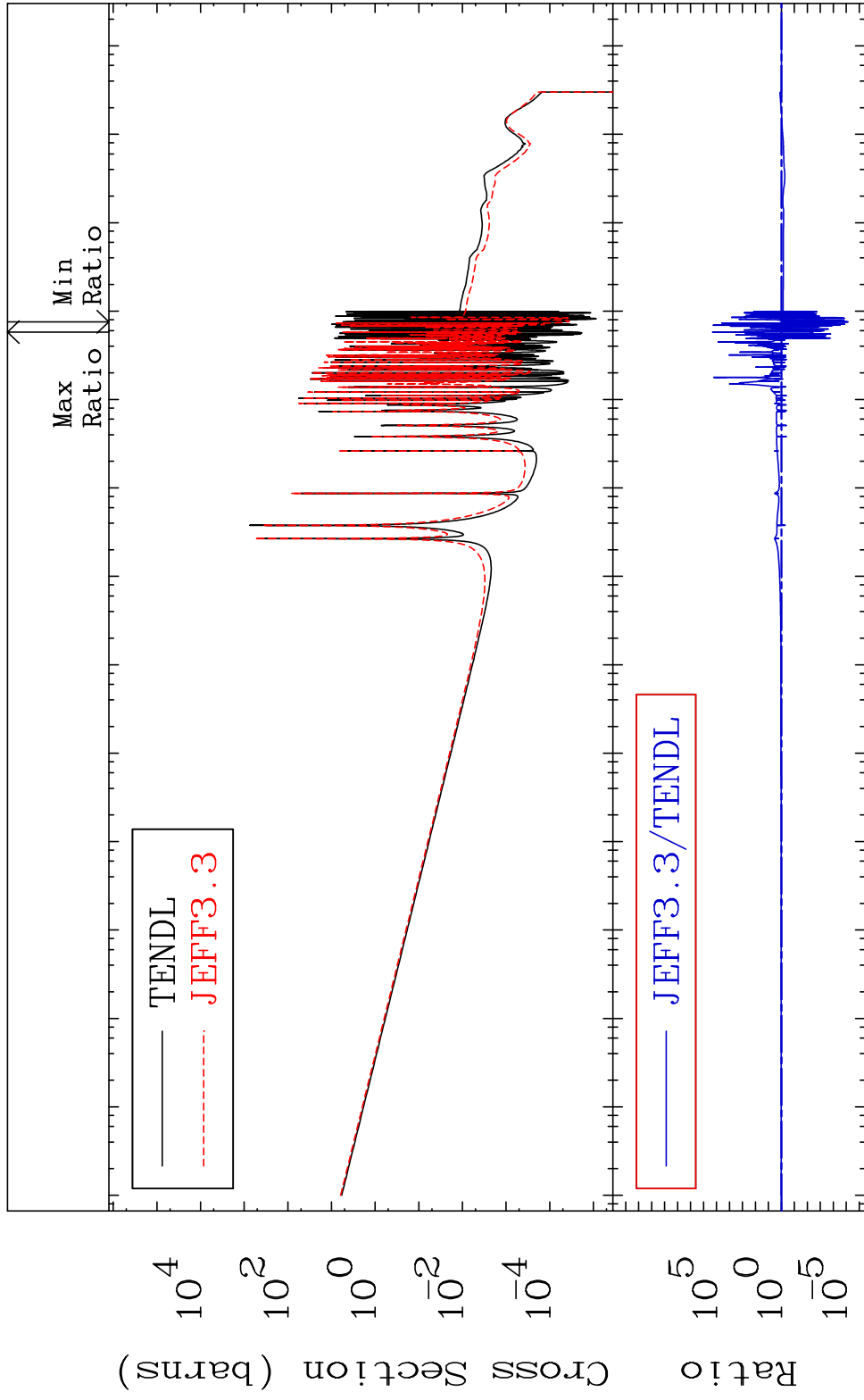
37-Rb-87

MAT 3731

(n, γ)

37-Rb-87

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

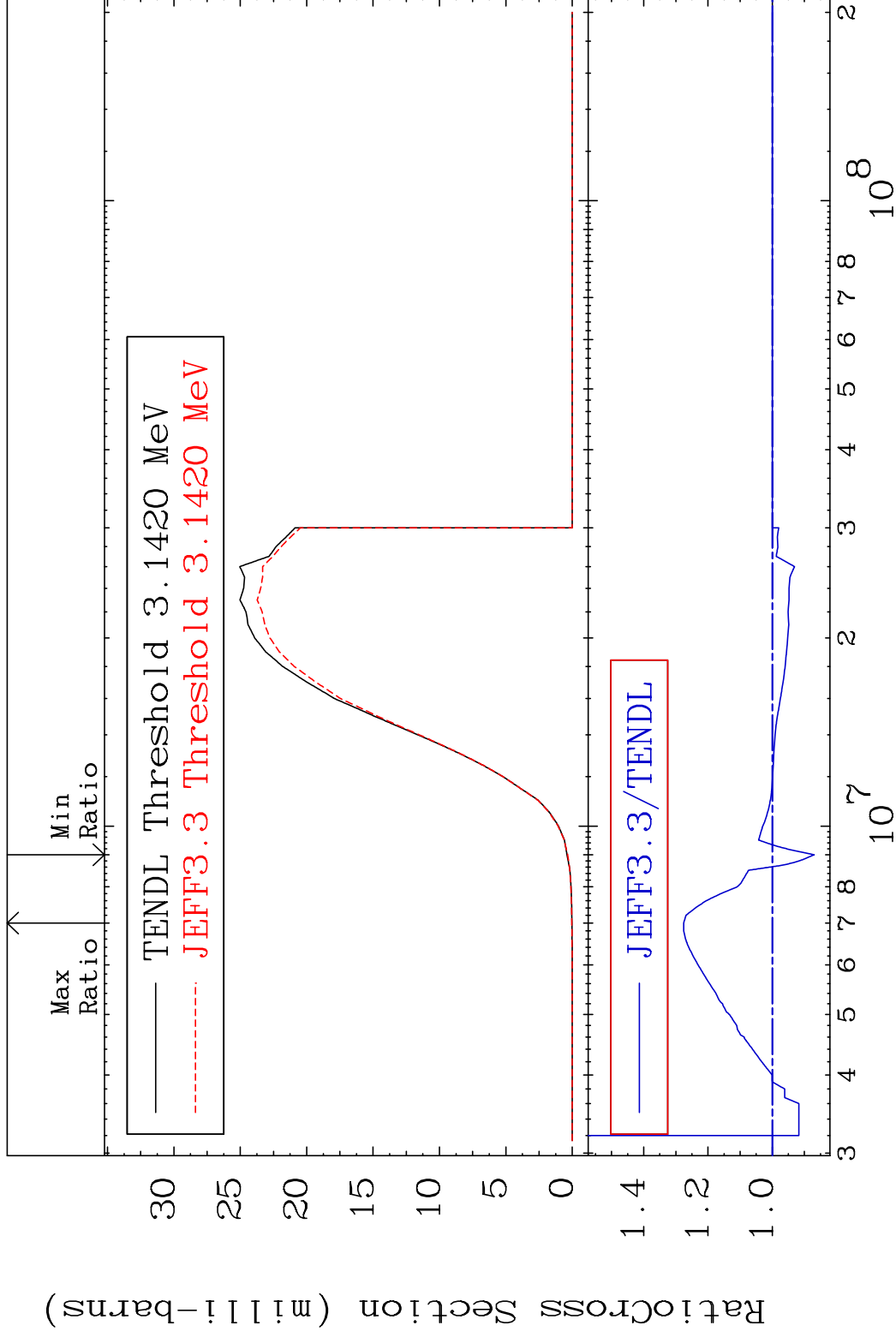
37-Rb-87

MAT 3731

(n,p)

37-Rb-87

Cross Section -13.00 To 27.57 %



49

Incident Energy (eV)

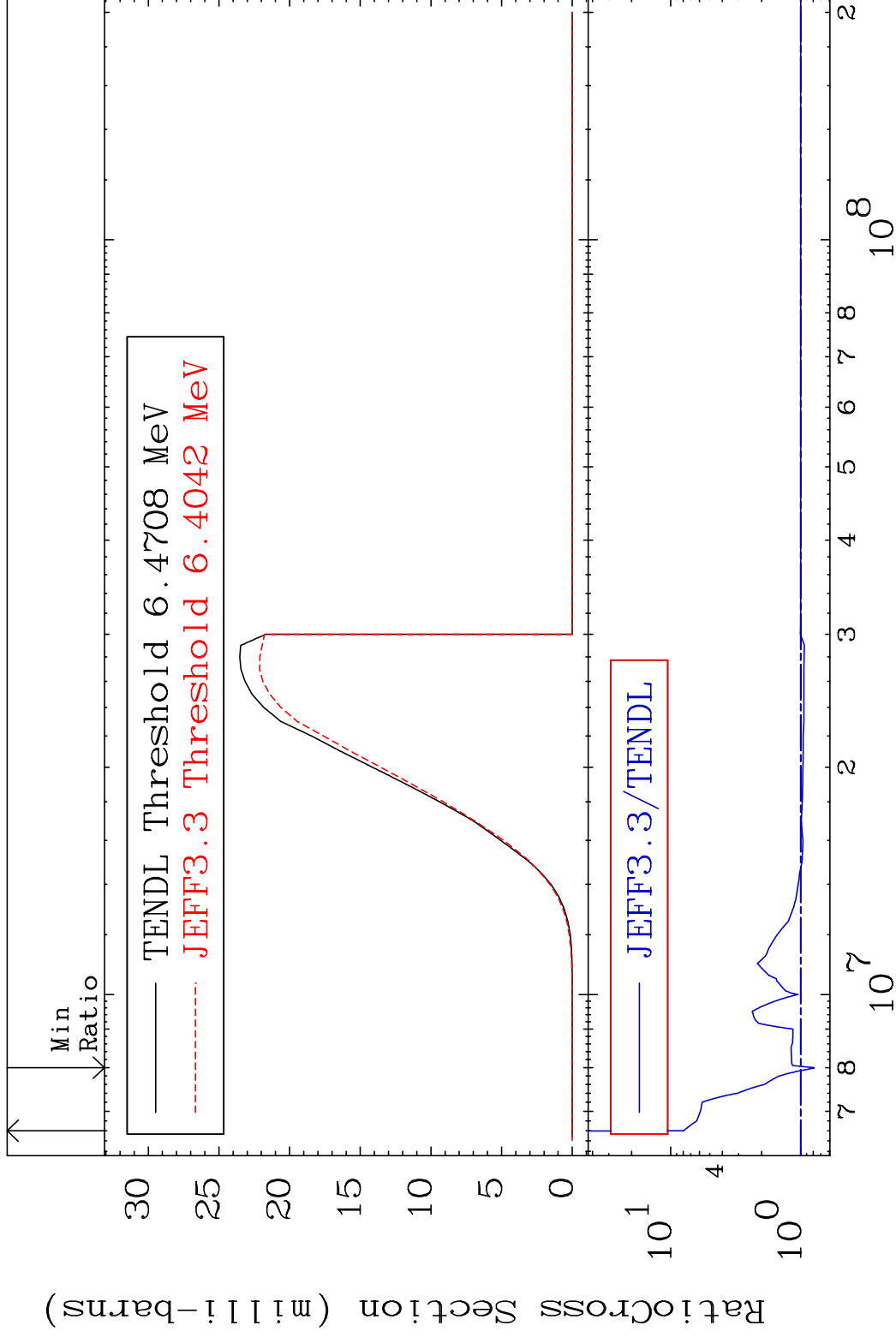
37-Rb-87

MAT 3731

(n, d)

37-Rb-87

Cross Section -21.27 To 694.9 %



50

Incident Energy (eV)

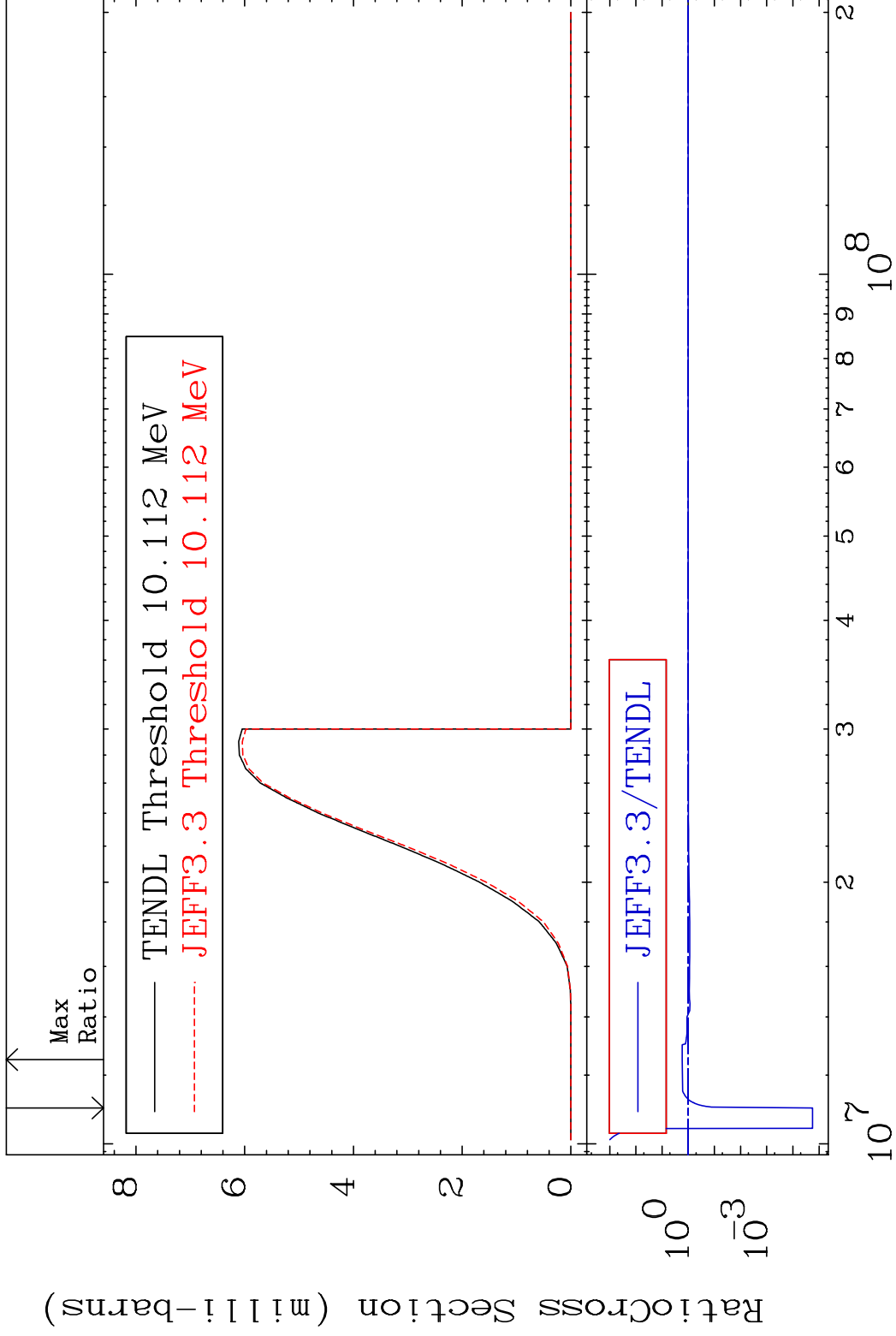
37-Rb-87

MAT 3731

(n, t)

37-Rb-87

Cross Section -100.0 To 70.51 %



51

Incident Energy (eV)

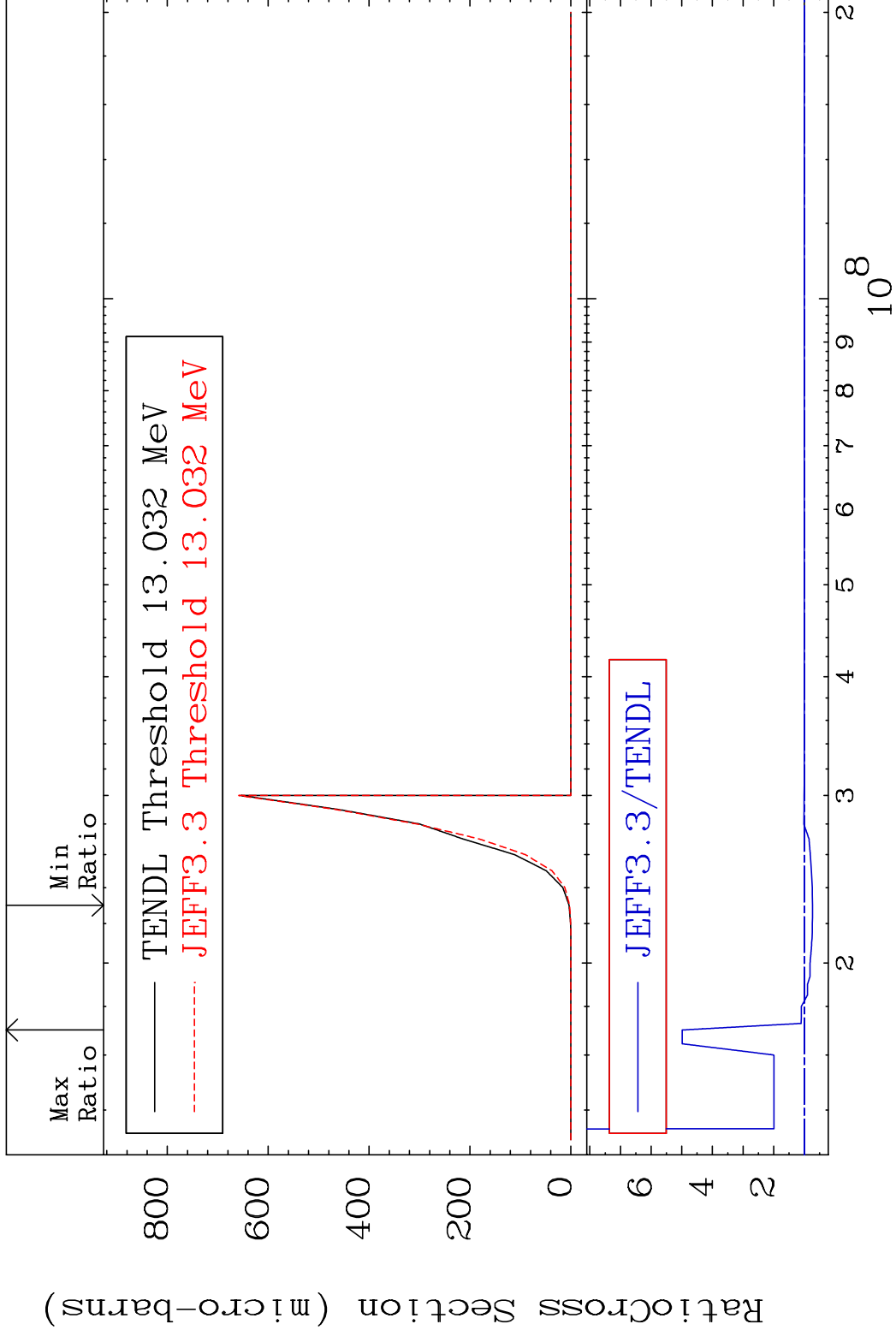
37-Rb-87

MAT 3731

(n, He-3)

37-Rb-87

Cross Section -26.54 To 398.8 %



52

Incident Energy (eV)

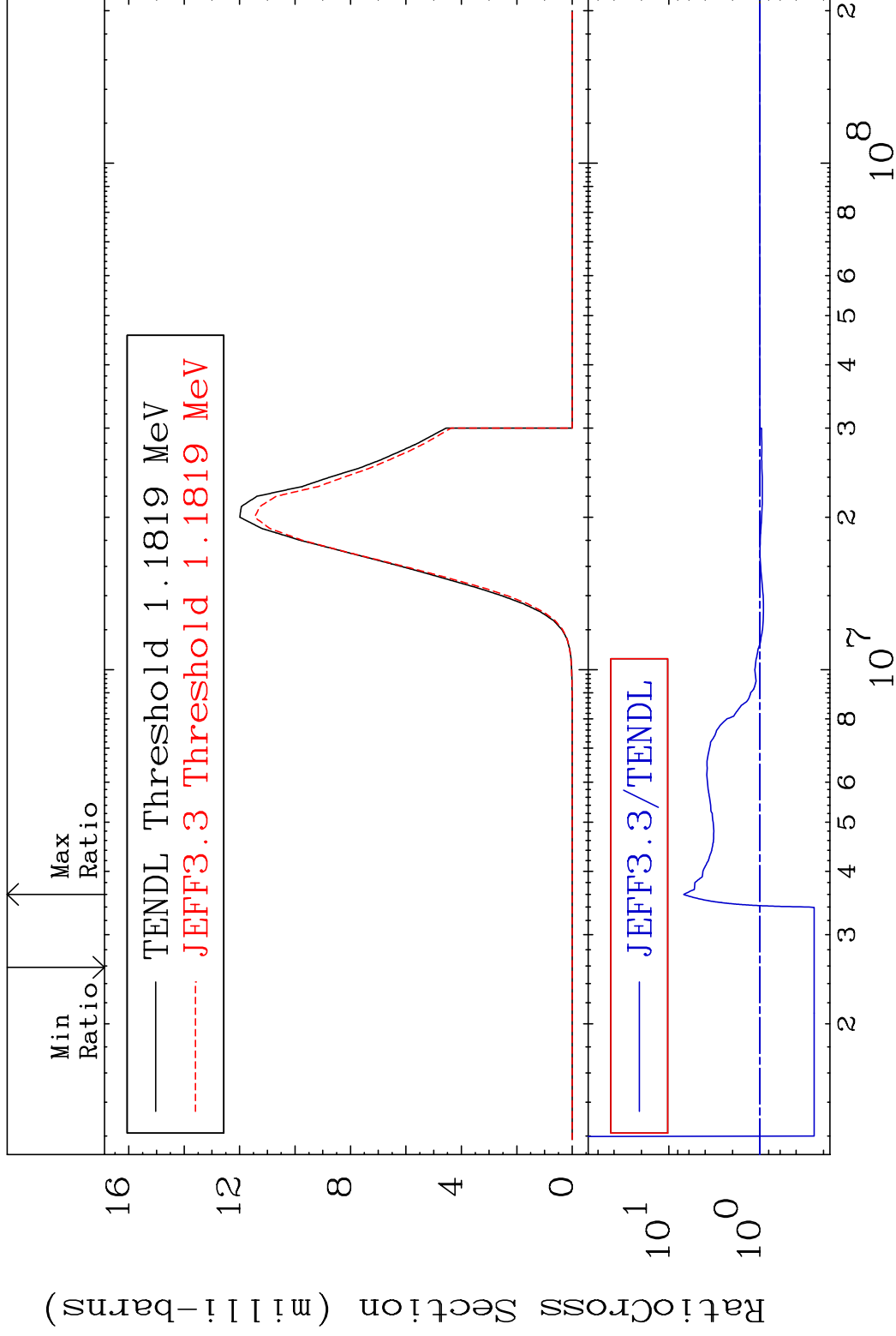
37-Rb-87

MAT 3731

(n, α)

37-Rb-87

Cross Section -74.63 To 587.5 %



53

Incident Energy (eV)

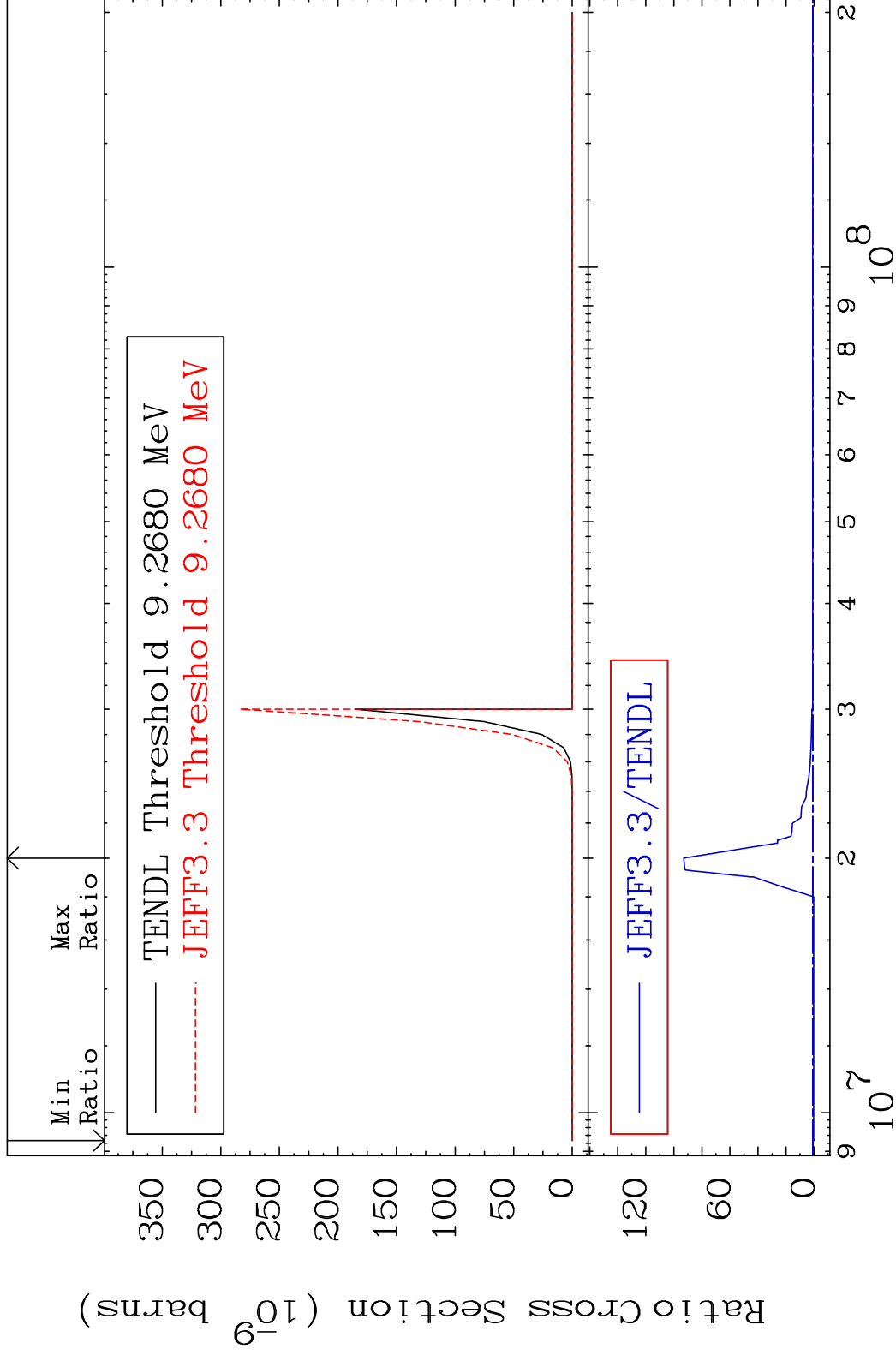
37-Rb-87

MAT 3731

(n,2α)

37-Rb-87

Cross Section -100.0 To 9201. %



54

Incident Energy (eV)

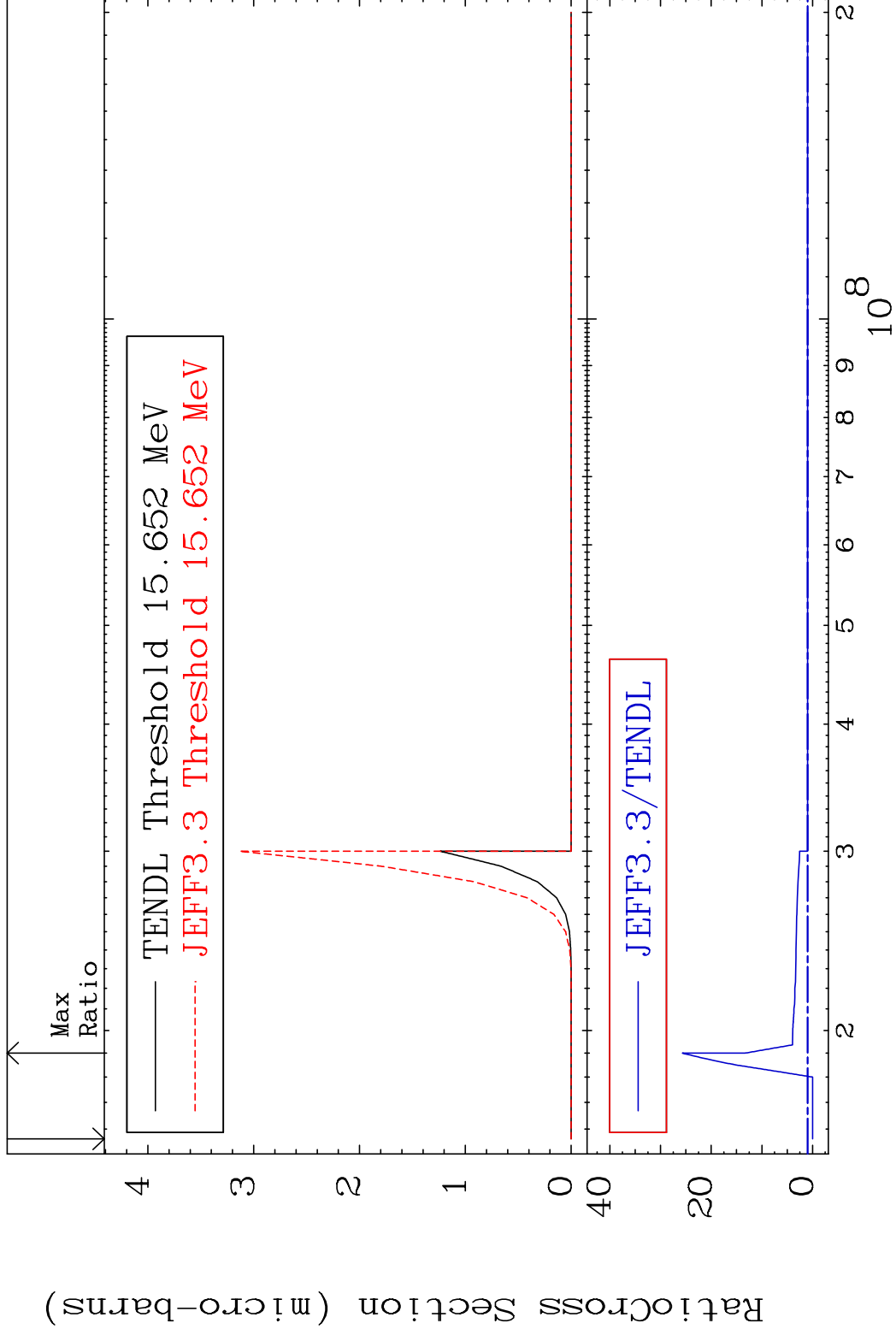
37-Rb-87

MAT 3731

(n,2p)

37-Rb-87

Cross Section -100.0 To 2469. %



55

Incident Energy (eV)

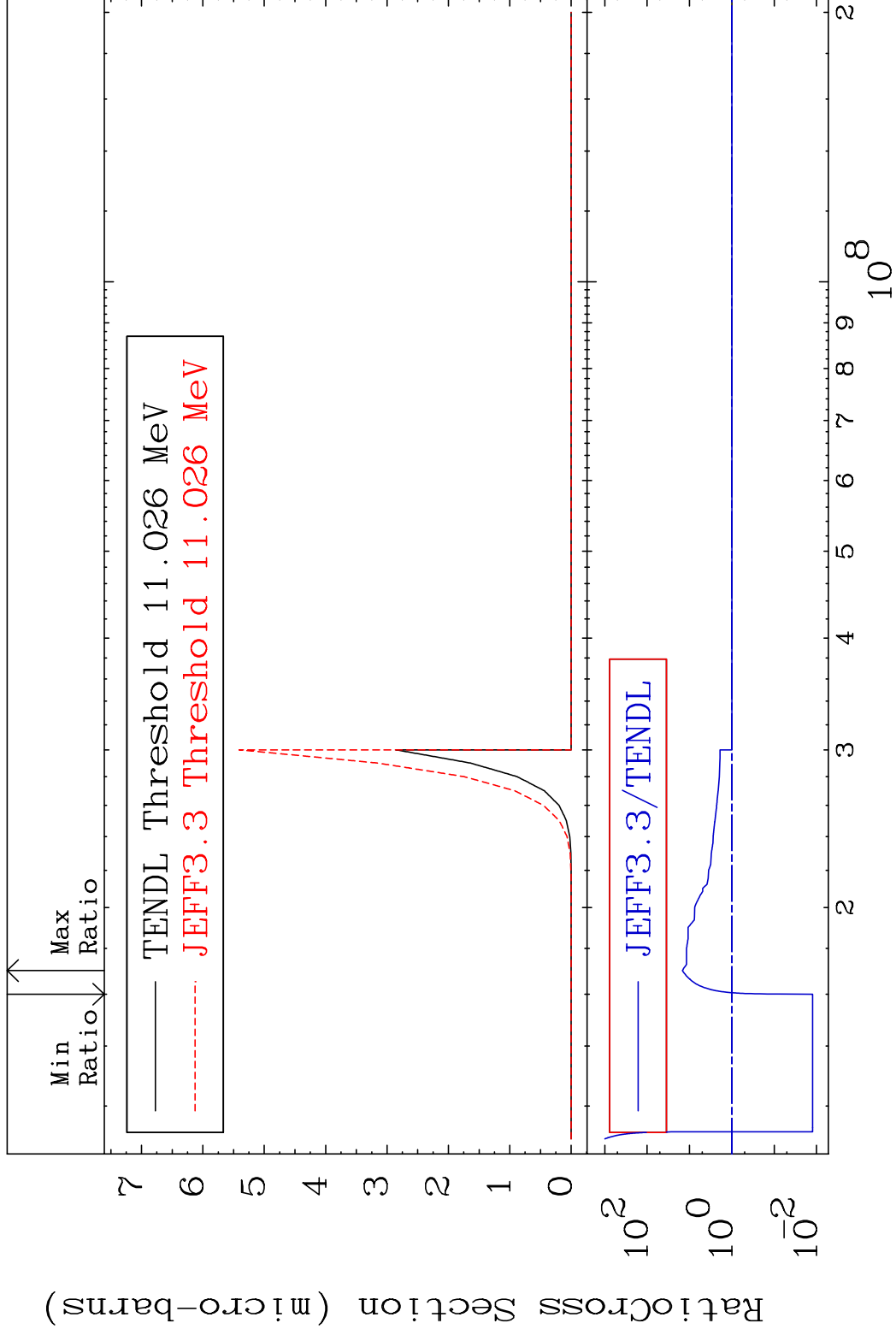
37-Rb-87

MAT 3731

(n,p) α

37-Rb-87

Cross Section -98.76 To 1372. %



56

Incident Energy (eV)

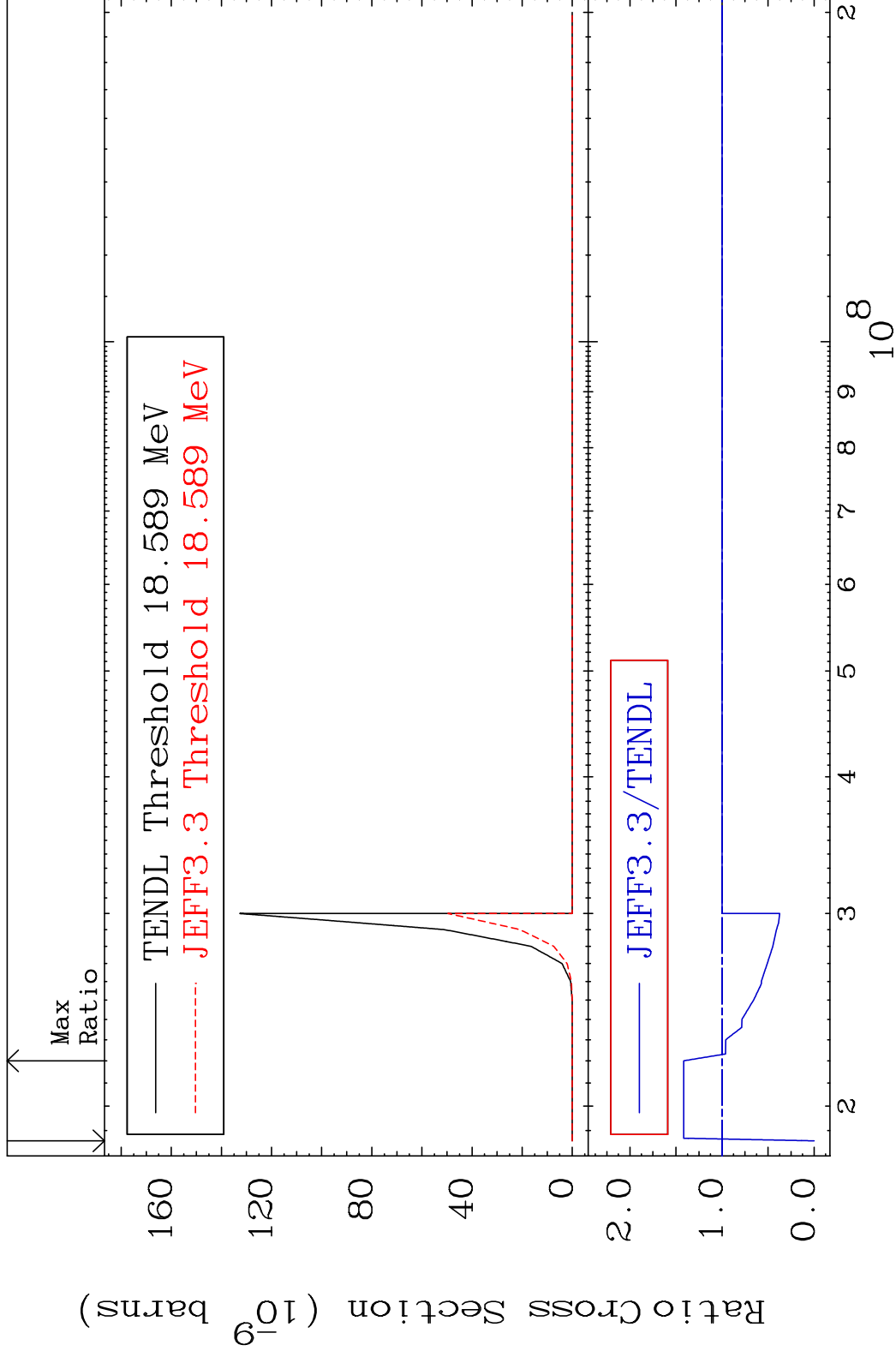
37-Rb-87

MAT 3731

(n,p) d

37-Rb-87

Cross Section -100.0 To 41.64 %



57

Incident Energy (eV)

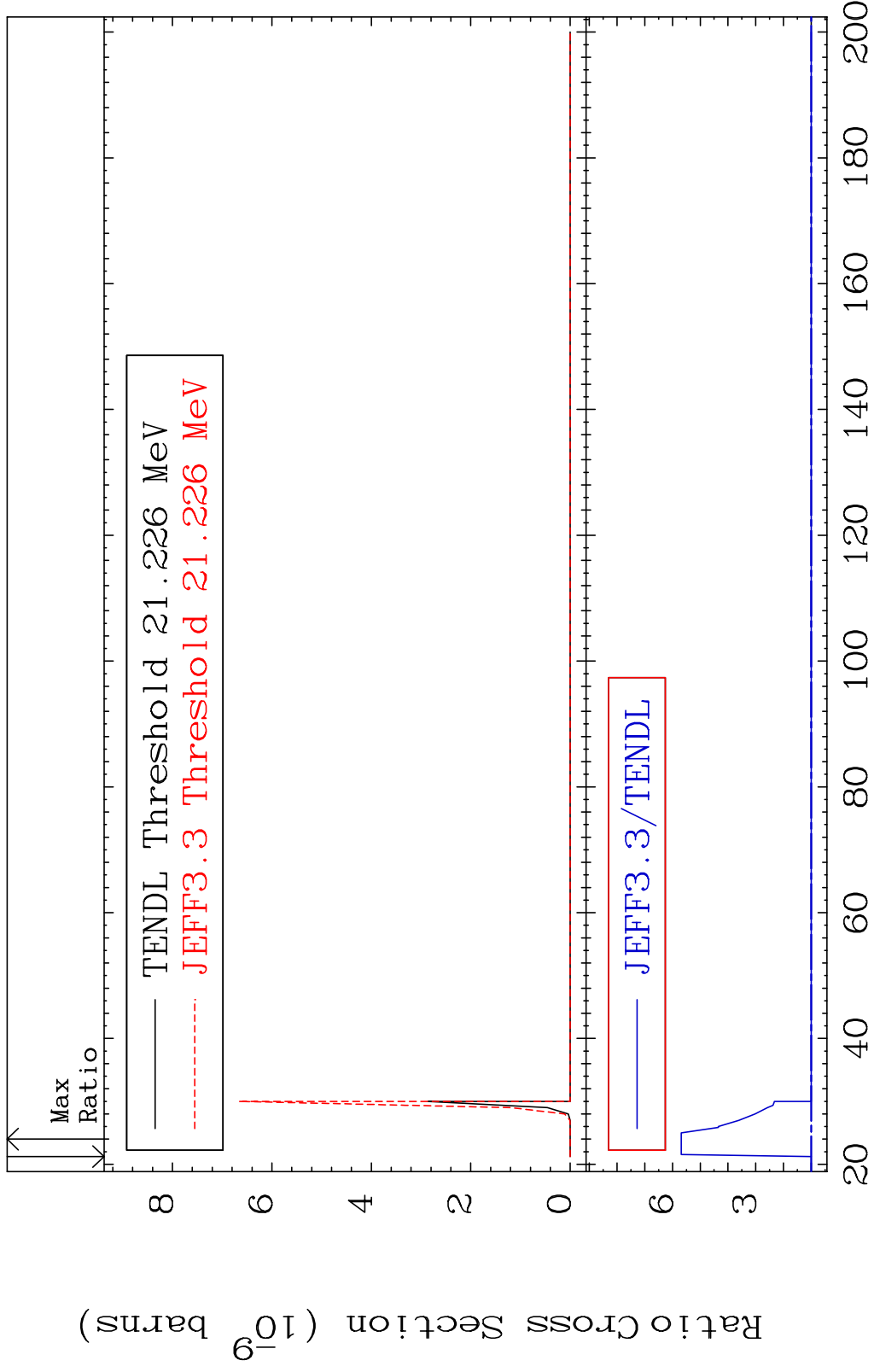
37-Rb-87

MAT 3731

(n,p) t

37-Rb-87

Cross Section 0.000 To 468.7 %



58

Incident Energy (MeV)

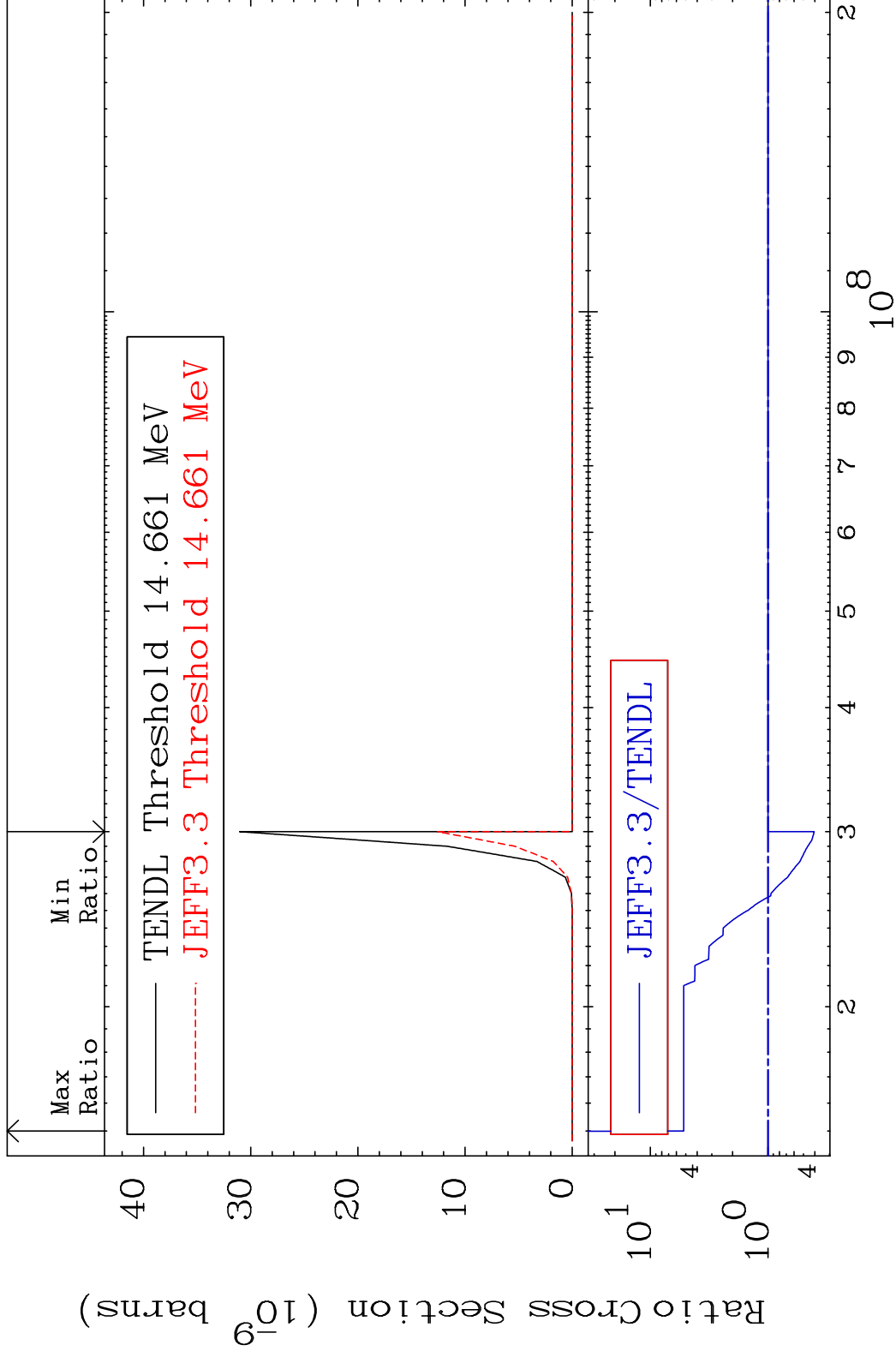
37-Rb-87

MAT 3731

(n,d) α

37-Rb-87

Cross Section -59.46 To 420.8 %



59

Incident Energy (eV)

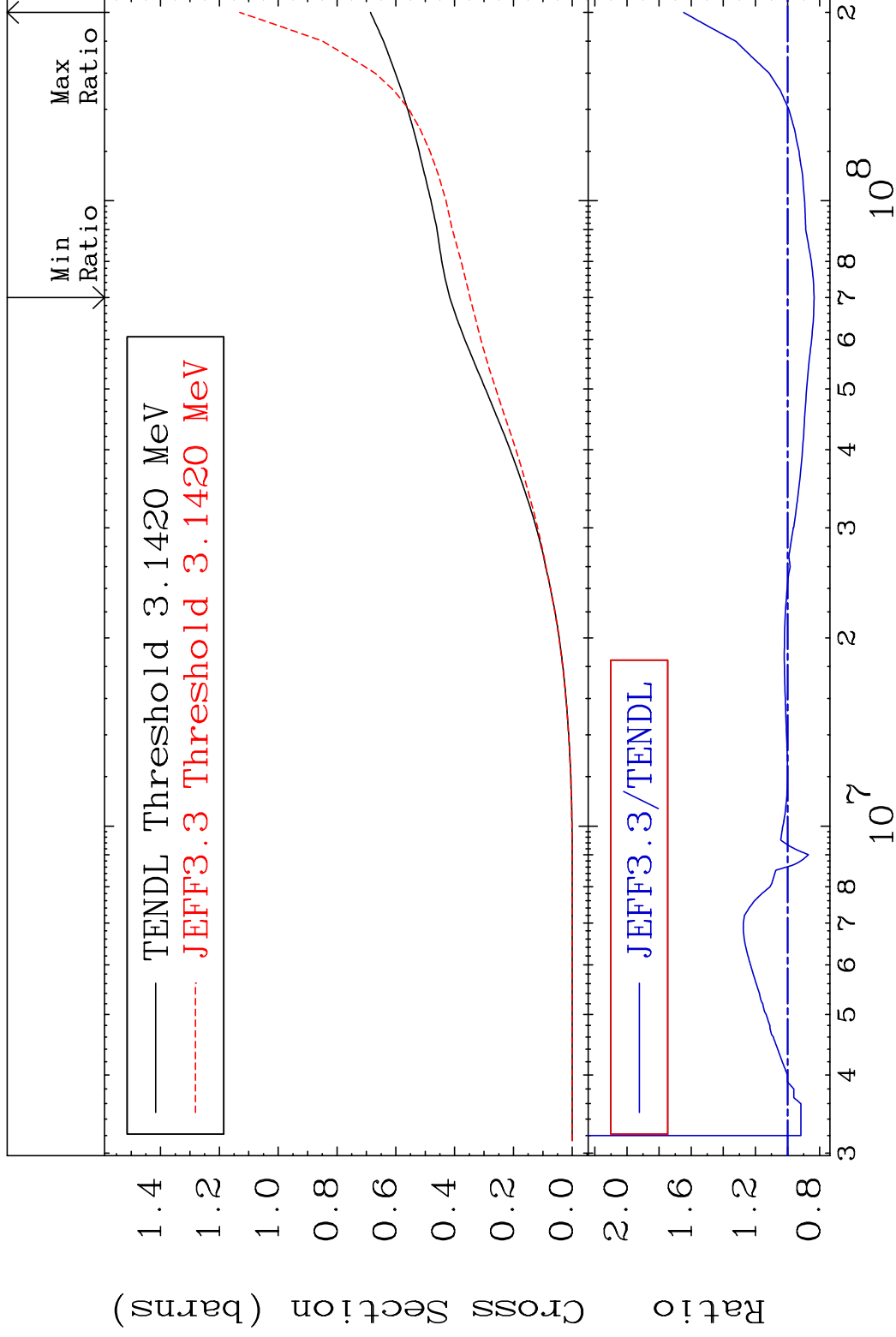
37-Rb-87

MAT 3731

Hydrogen Production

37-Rb-87

Cross Section -16.53 To 64.70 %



60

Incident Energy (eV)

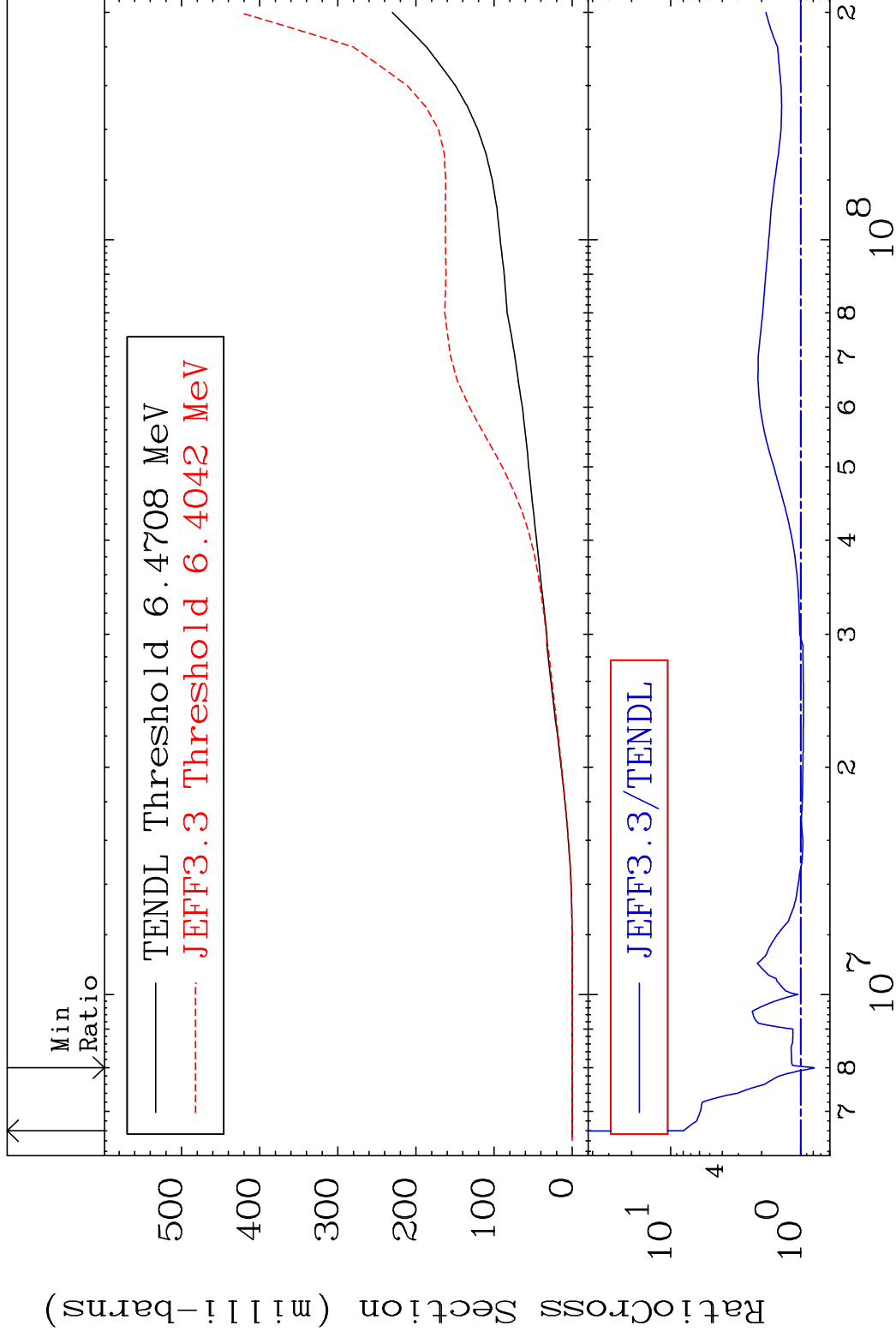
37-Rb-87

MAT 3731

Deuterium Production

37-Rb-87

Cross Section -21.27 To 694.9 %



61

Incident Energy (eV)

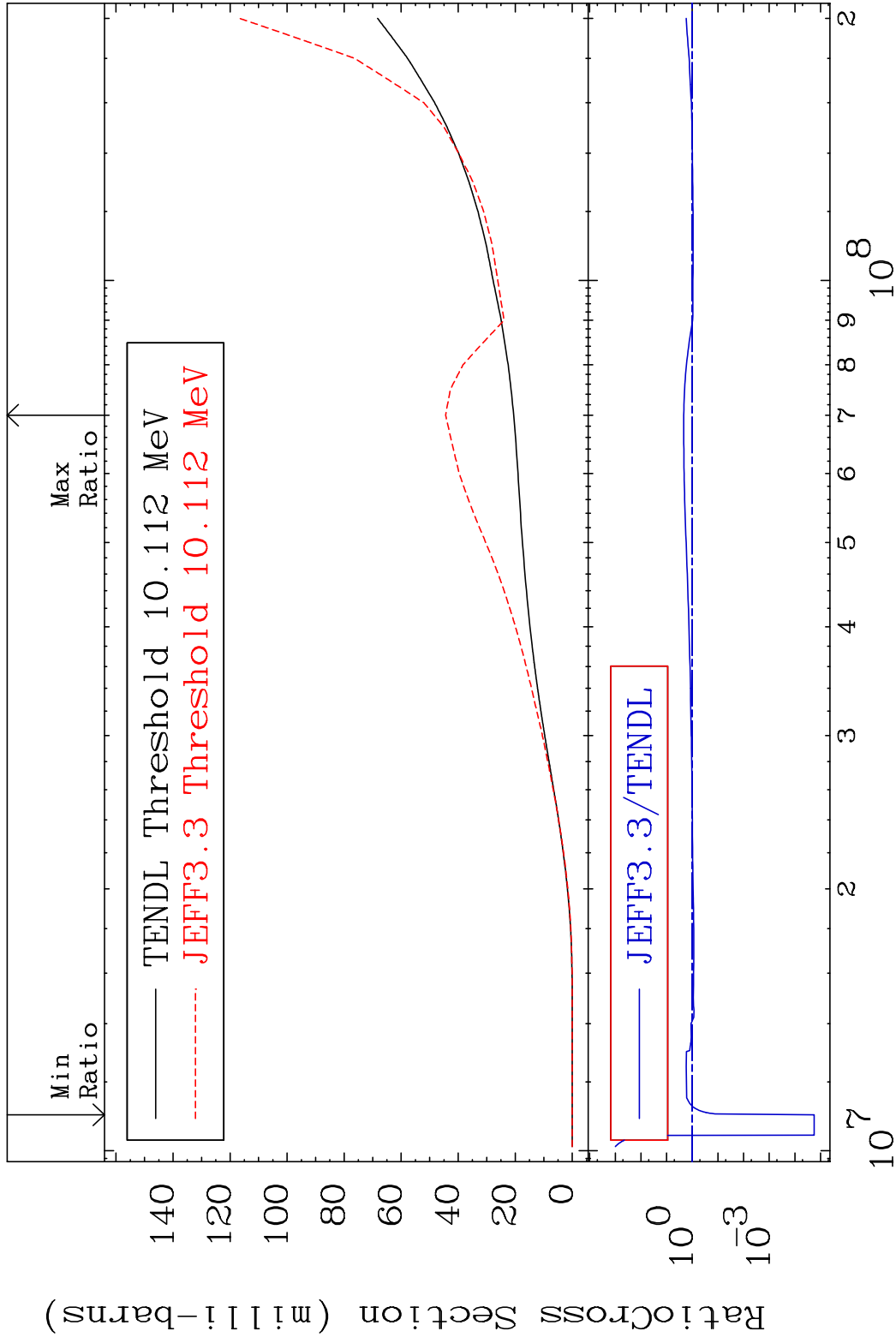
37-Rb-87

MAT 3731

Tritium Production

37-Rb-87

Cross Section -100.0 To 116.4 %



62

Incident Energy (eV)

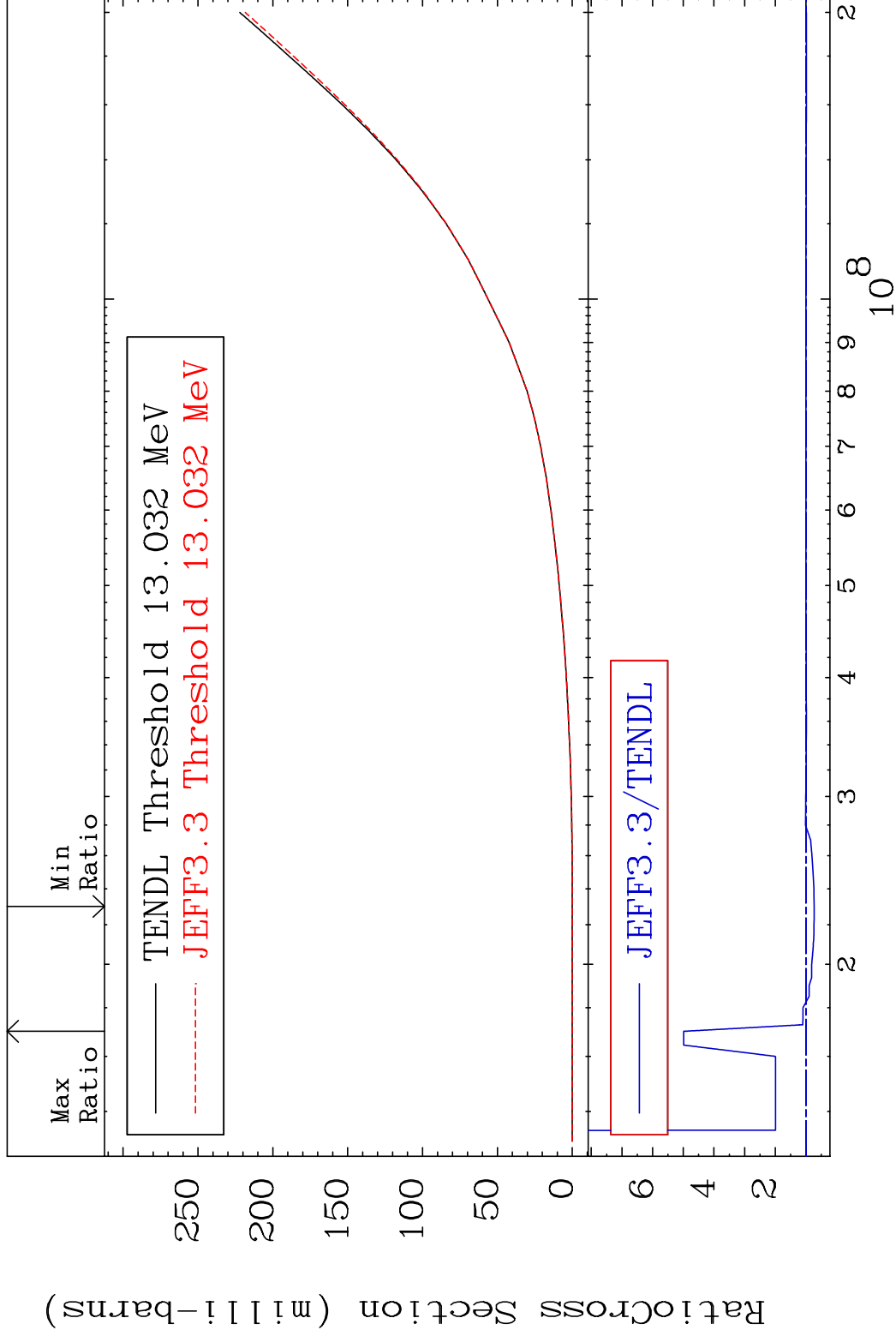
37-Rb-87

MAT 3731

He-3 Production

37-Rb-87

Cross Section -26.54 To 398.8 %



63

Incident Energy (eV)

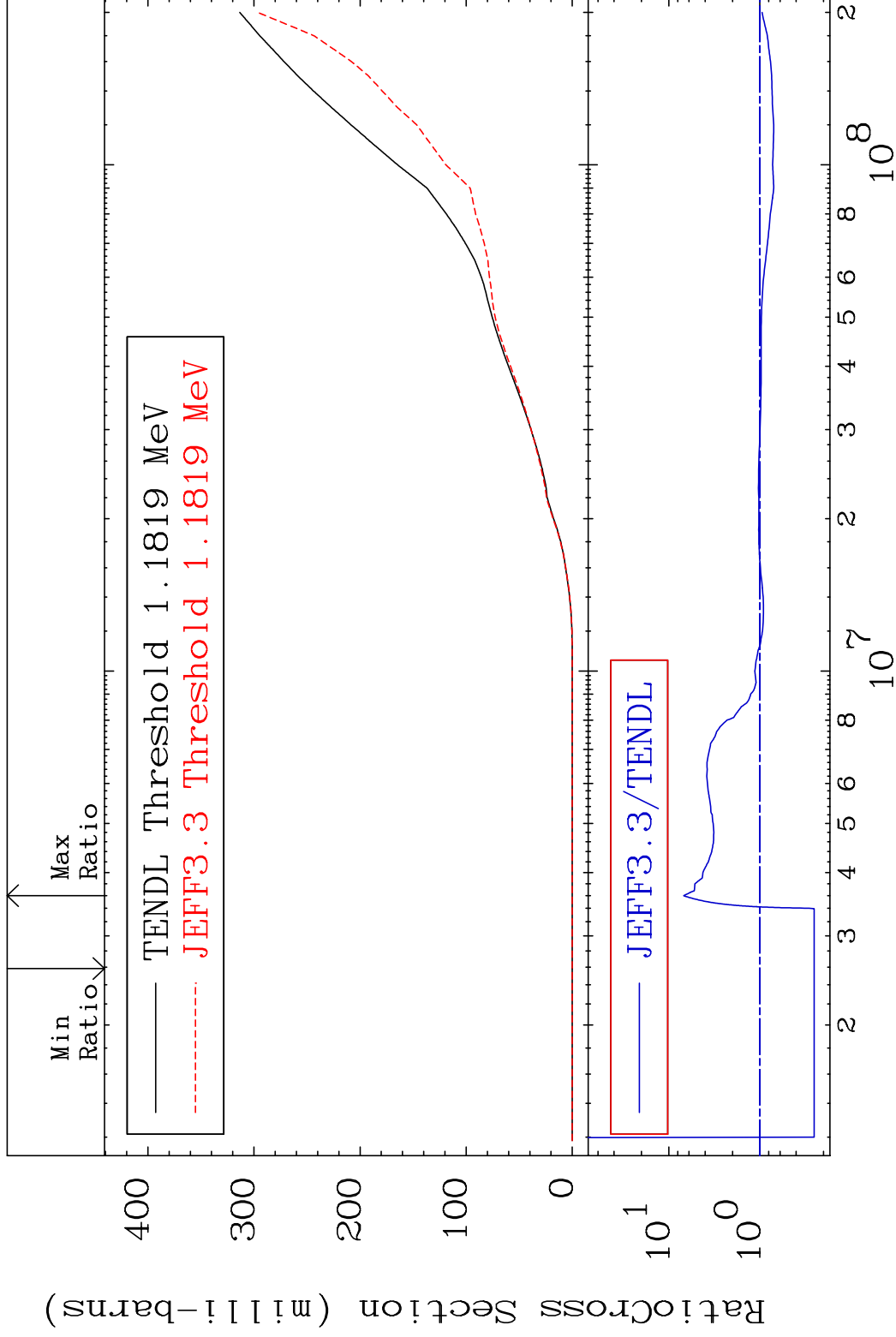
37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -74.63 To 587.5 %



64

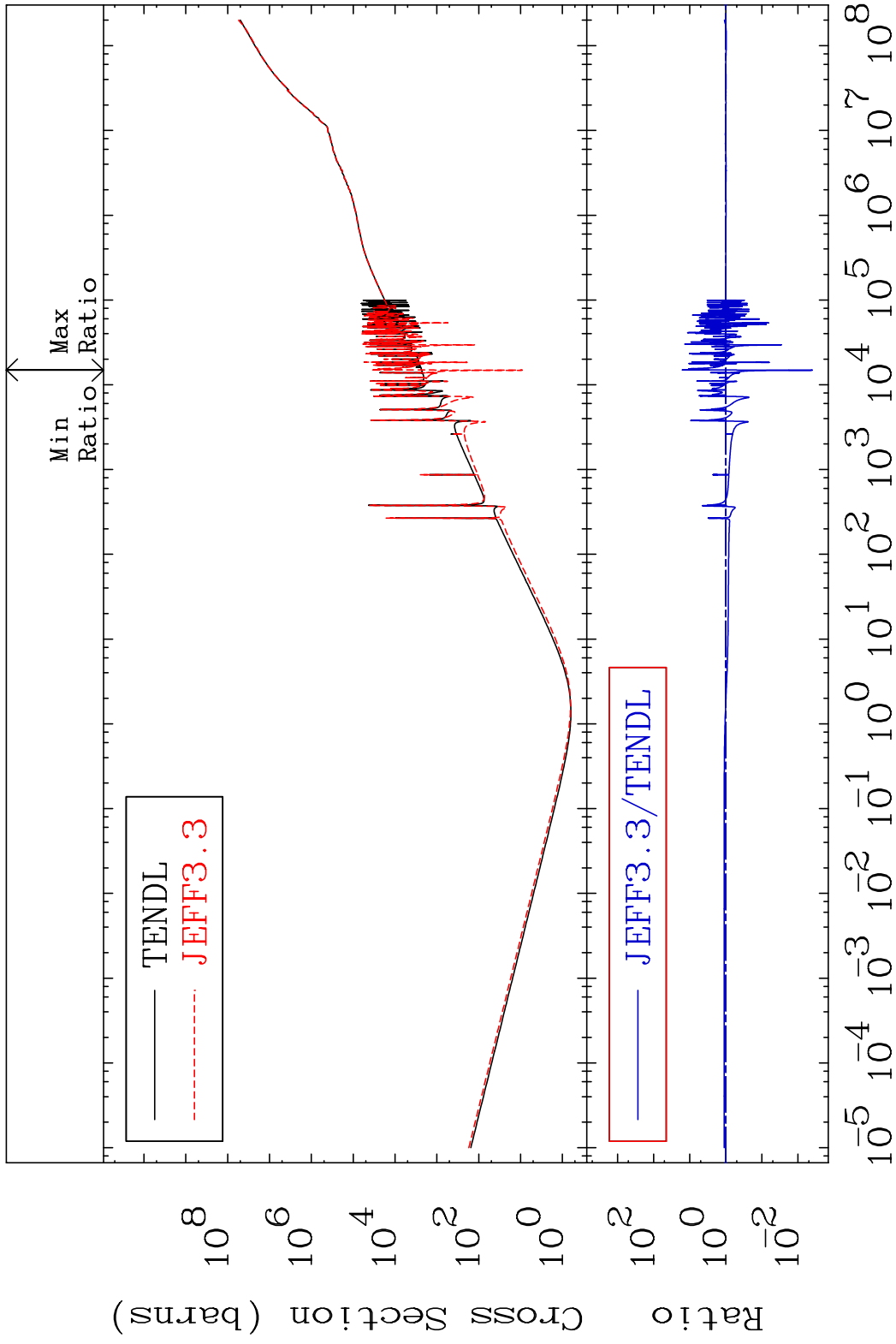
Incident Energy (eV)

37-Rb-87

MAT 3731

Kerma total (eV-barns) 37-Rb-87

Cross Section -99.60 To 1520. %



65

Incident Energy (eV)

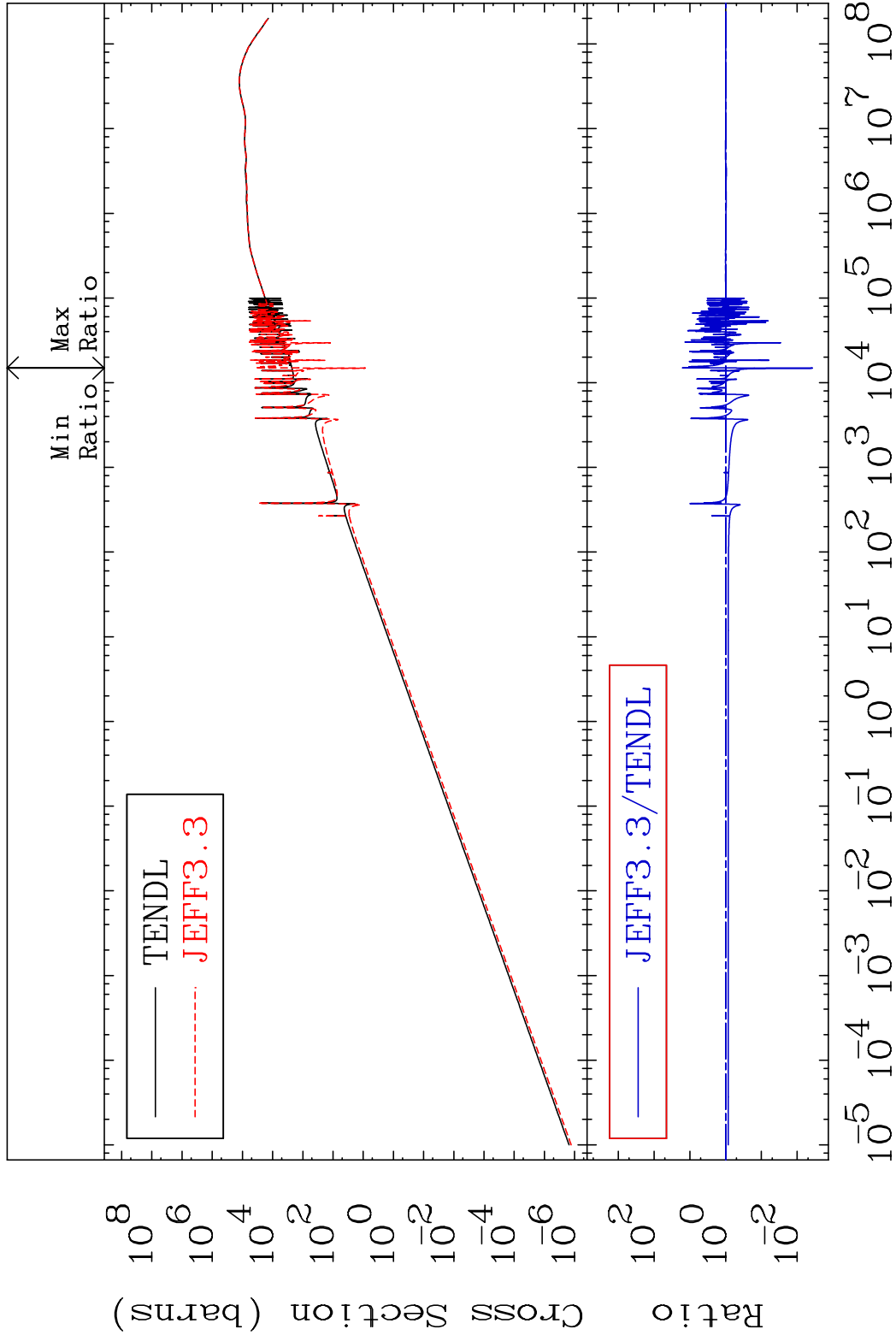
37-Rb-87

MAT 3731

Kerma elastic

37-Rb-87

Cross Section -99.63 To 1519. %

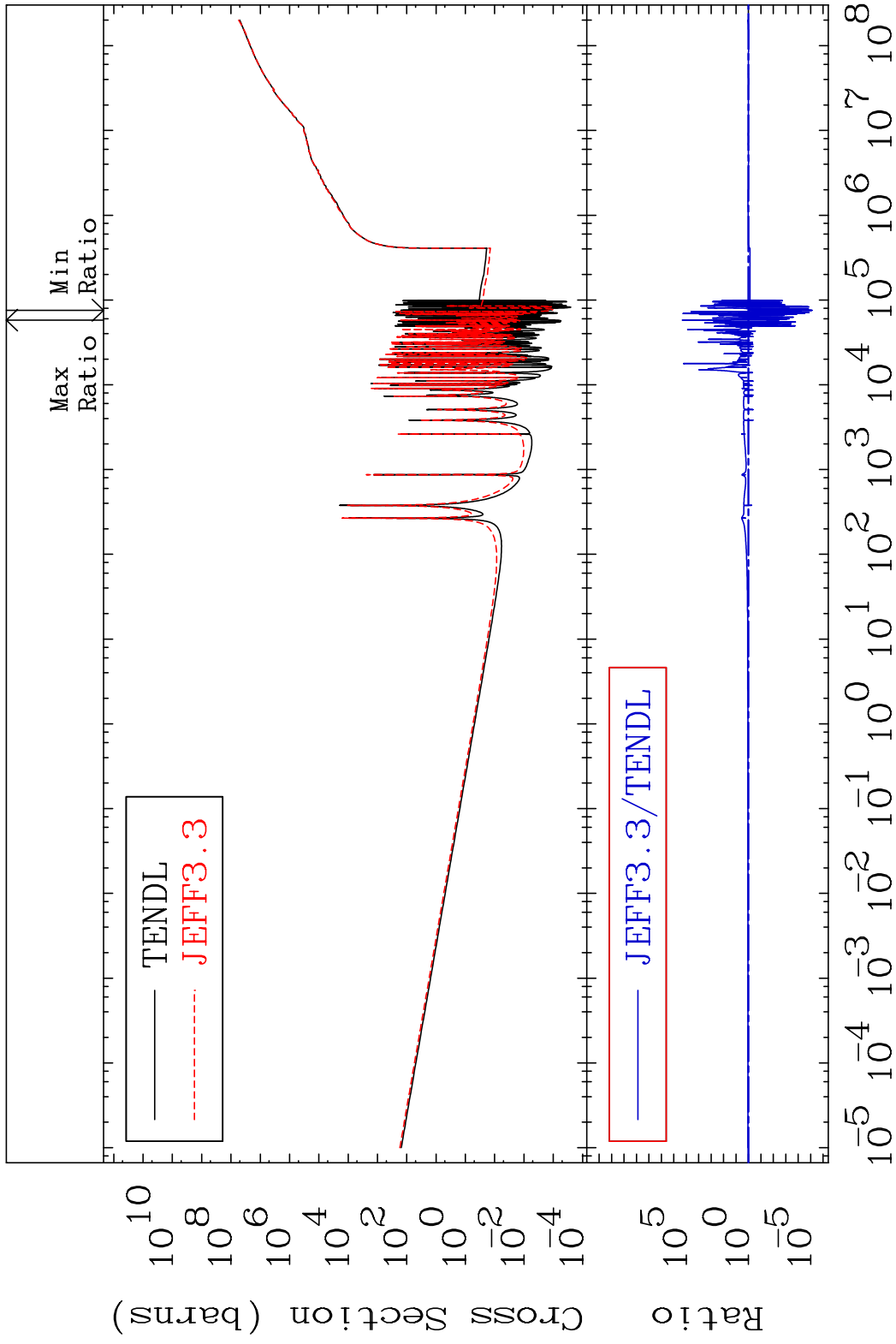


66

Incident Energy (eV)

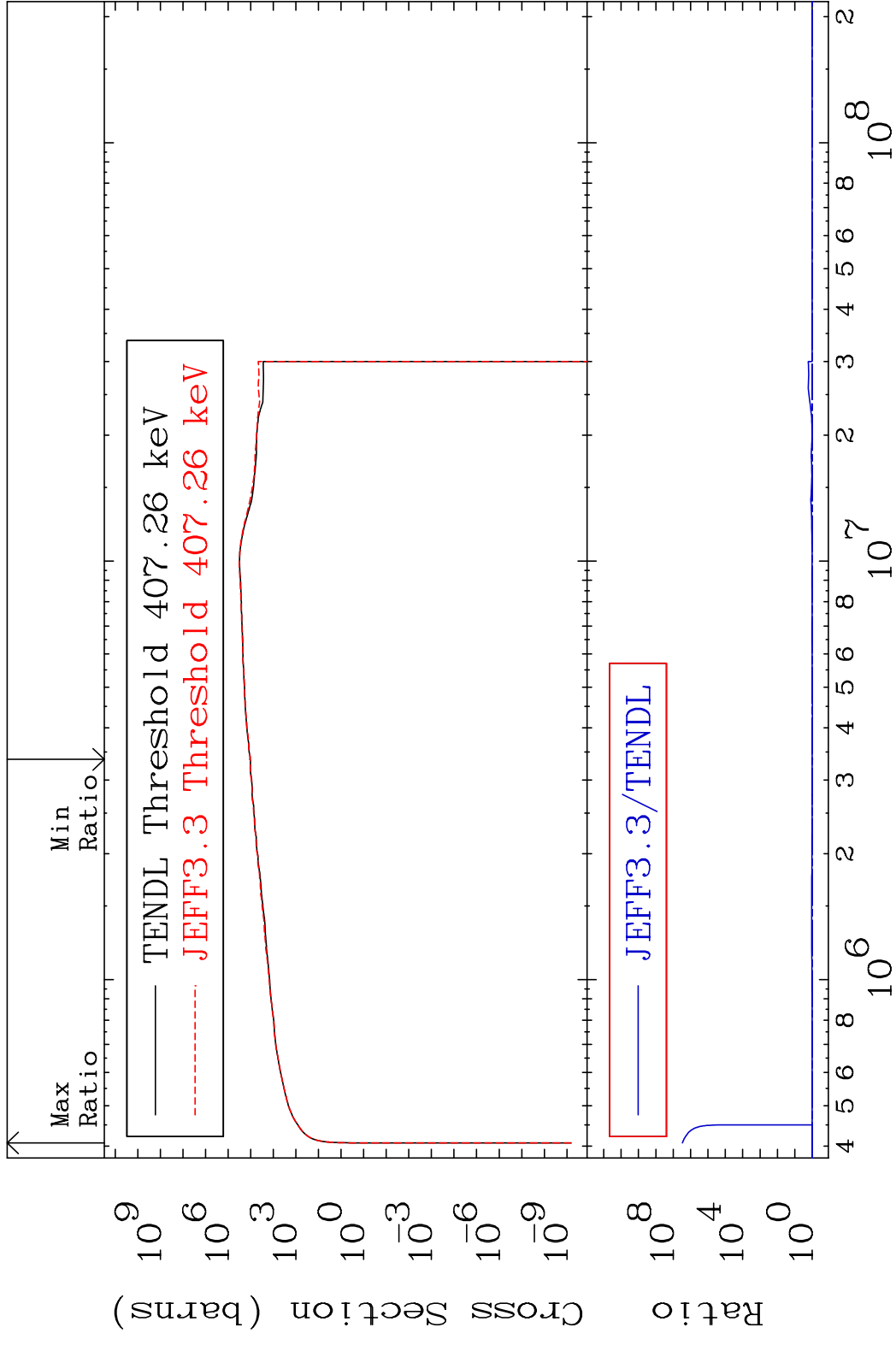
37-Rb-87

MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -100.0 To 9999. %

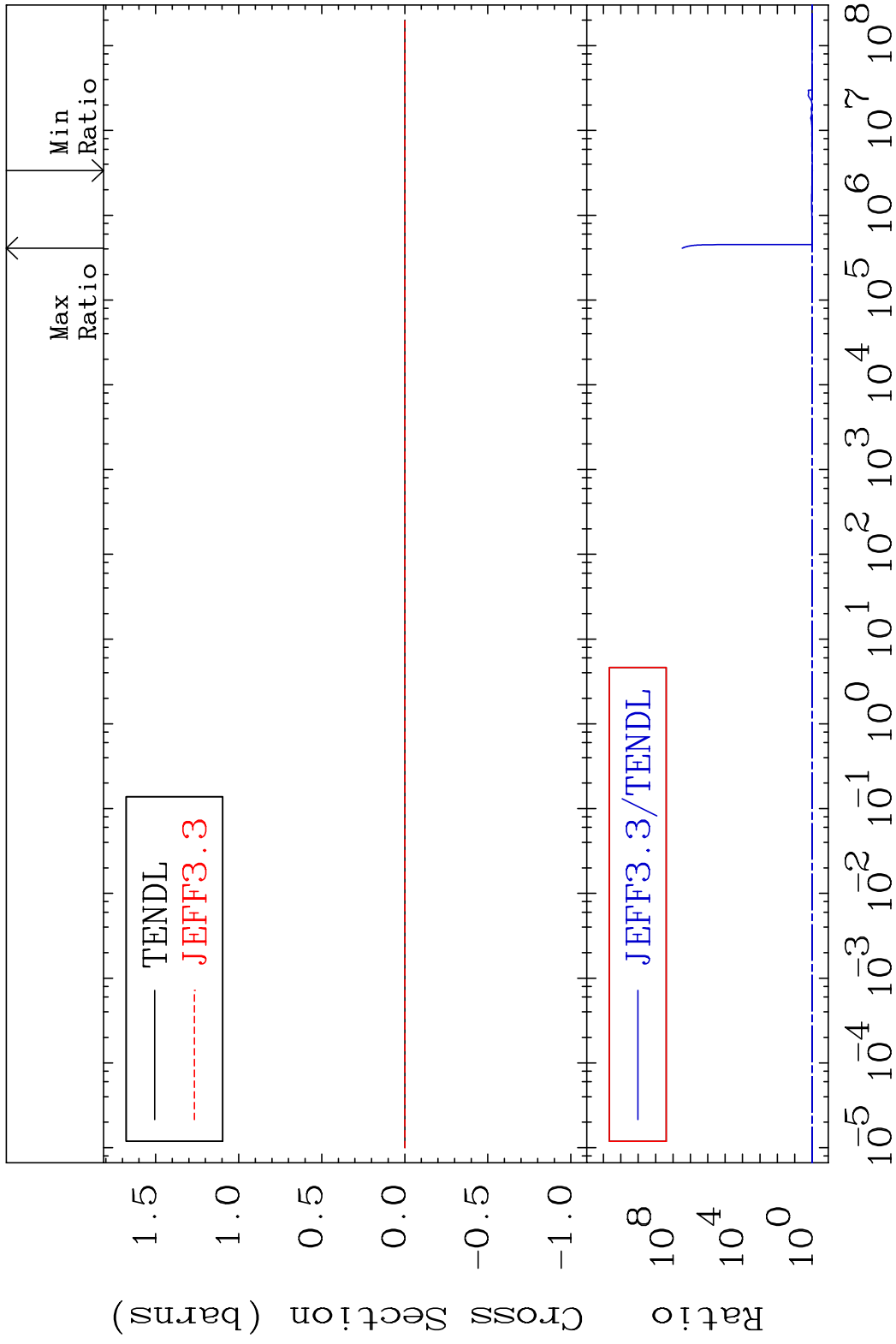


67 Incident Energy (eV) 37-Rb-87

MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -4.654 To 9999. %



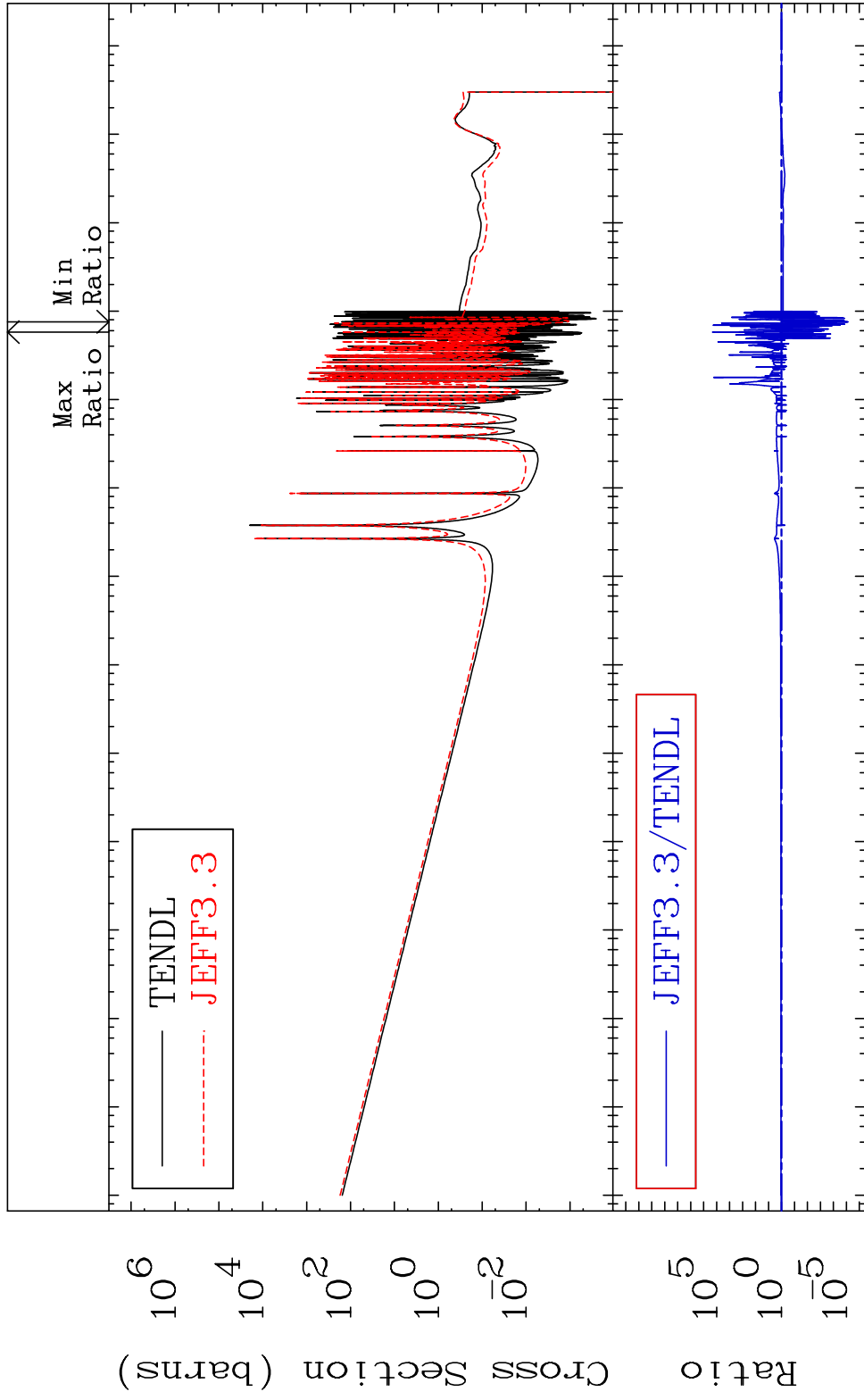
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -4.654 To 9999. %



MAT 3731

Kerma capture (mt102) 37-Rb-87

Cross Section -100.0 To 9999. %

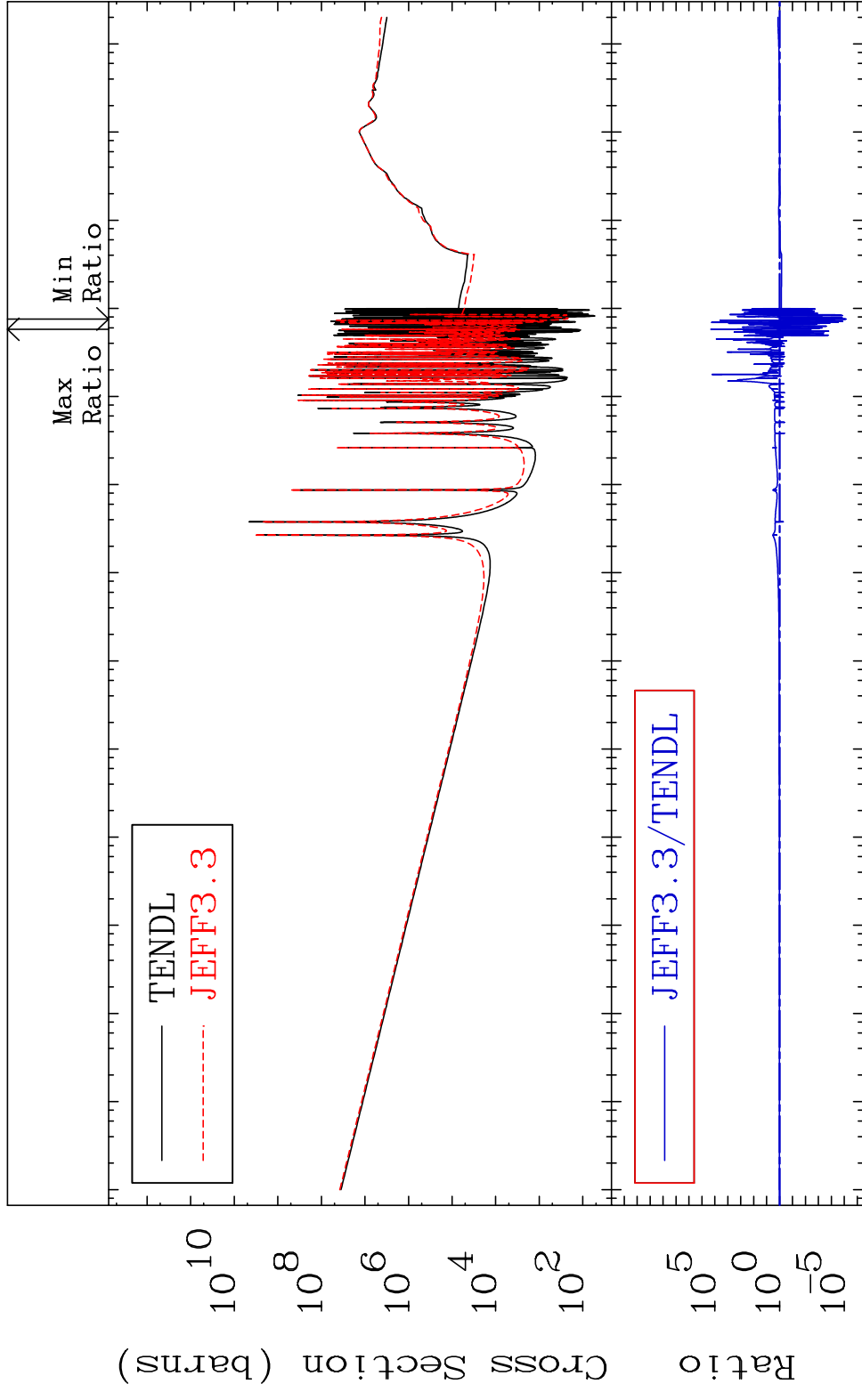


70

Incident Energy (eV)

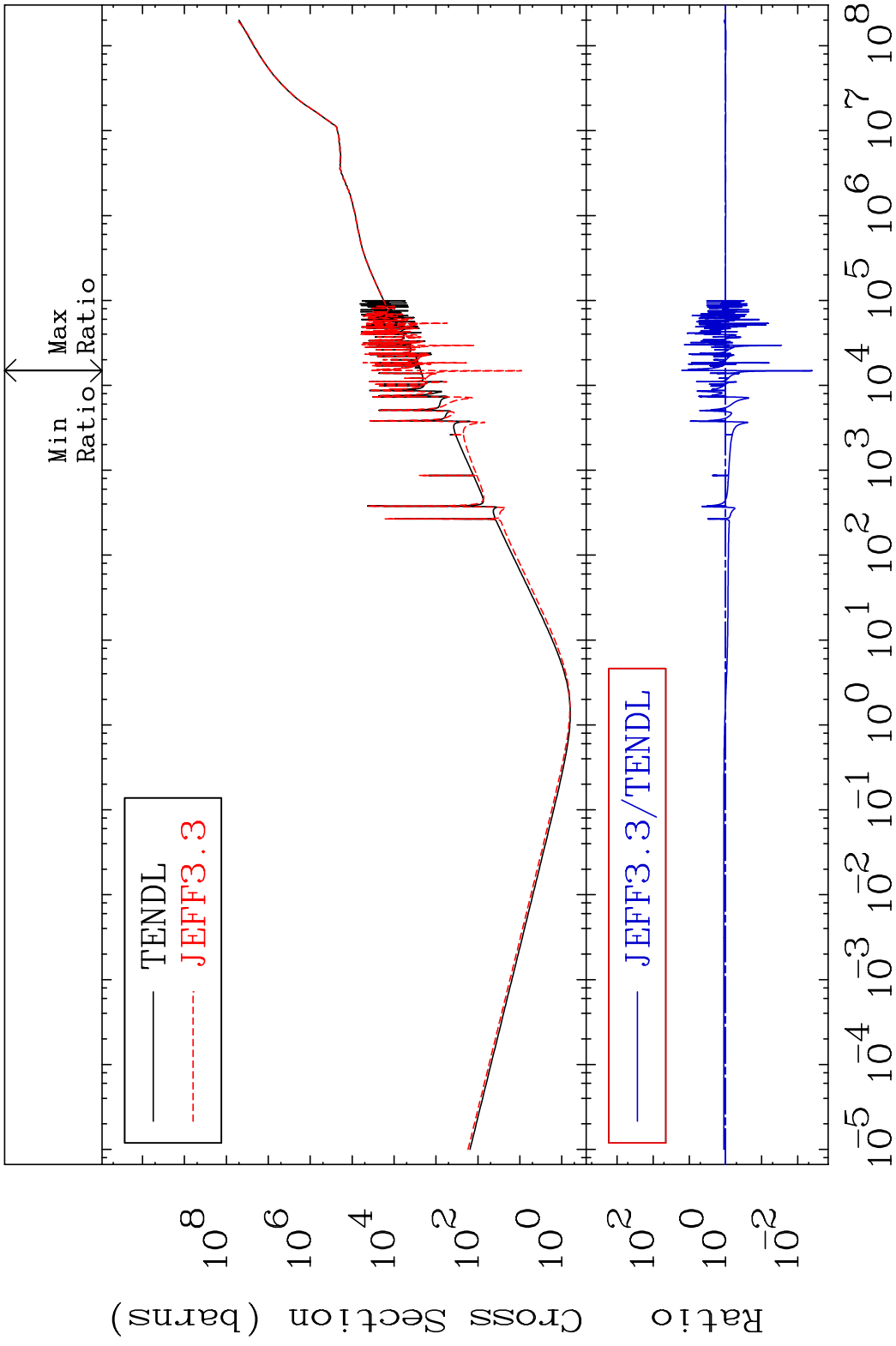
37-Rb-87

MAT 3731 Total photon (eV-barns) 37-Rb-87
 Cross Section -100.0 To 9999. %



71 Incident Energy (eV) 37-Rb-87

MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -99.60 To 1520. %

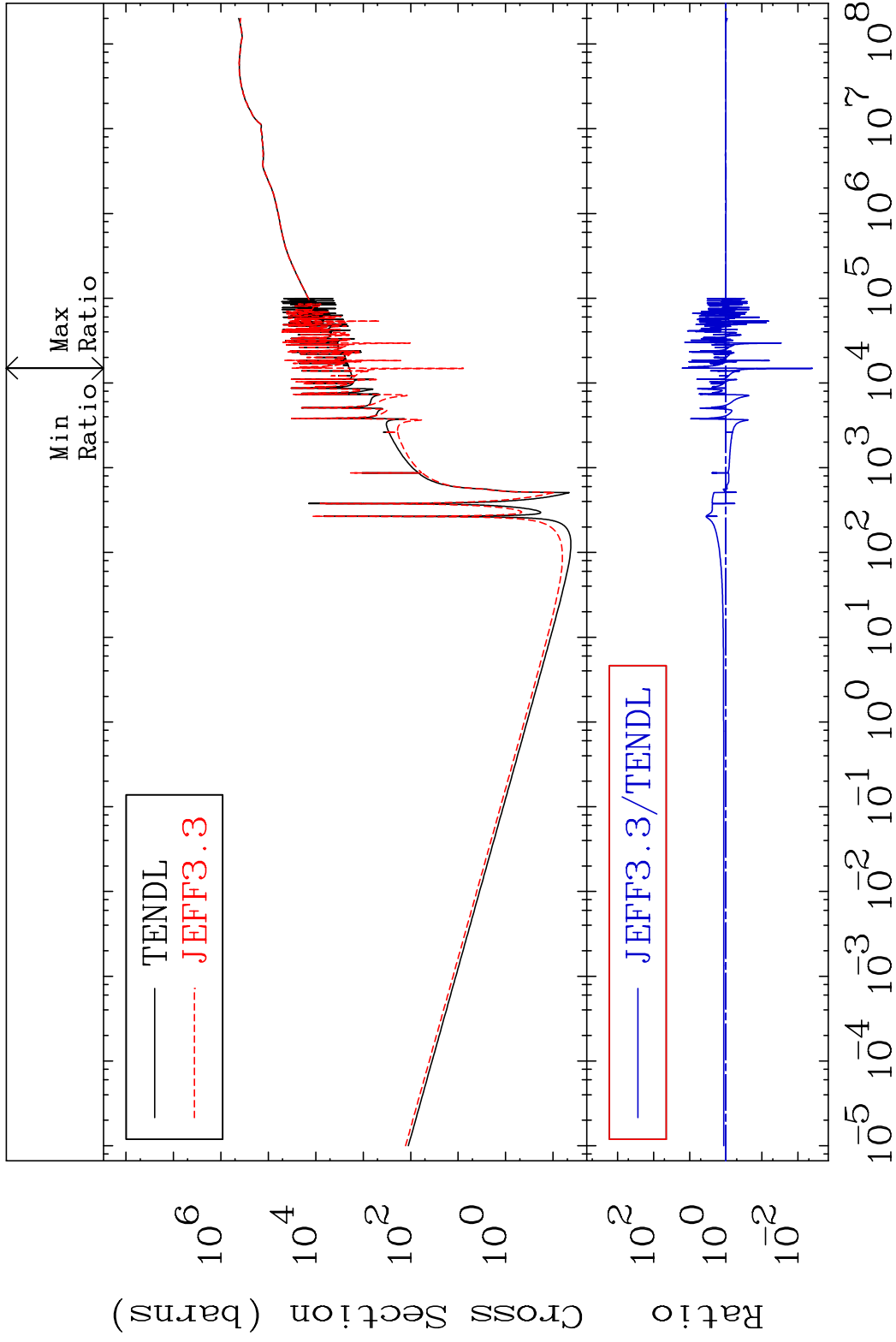


MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -99.61 To 1520. %



73

Incident Energy (eV)

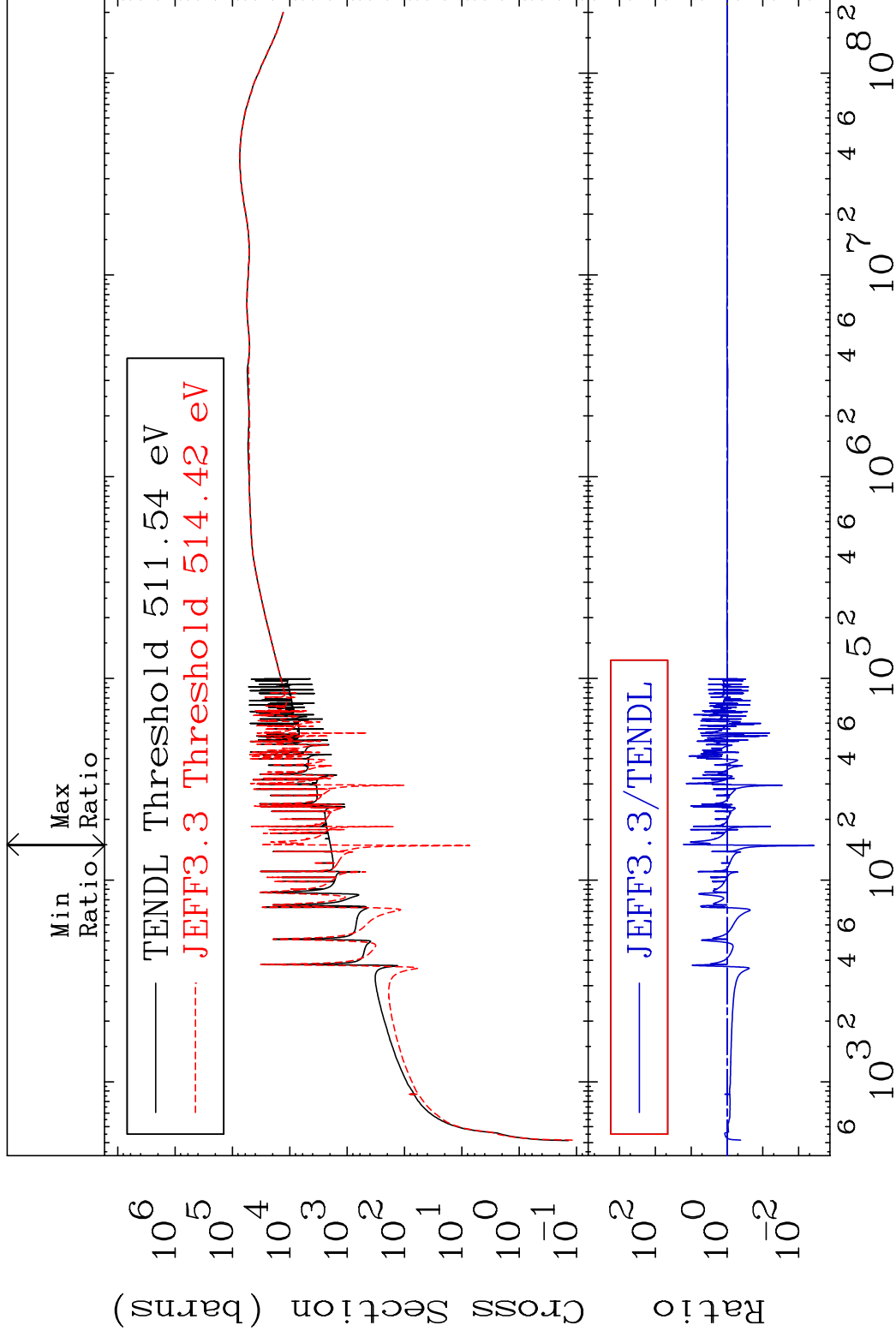
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -99.63 To 1519. %

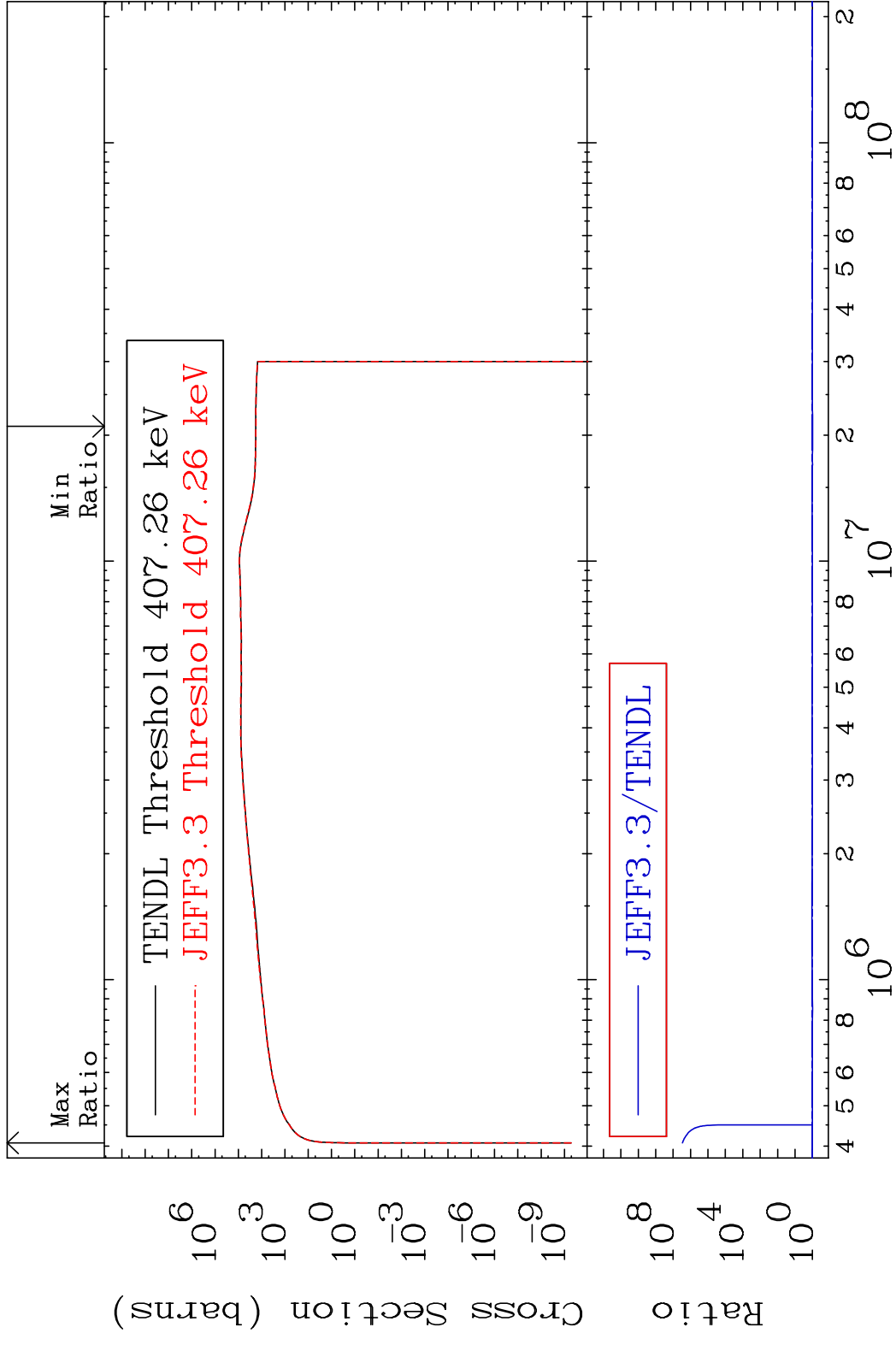


74

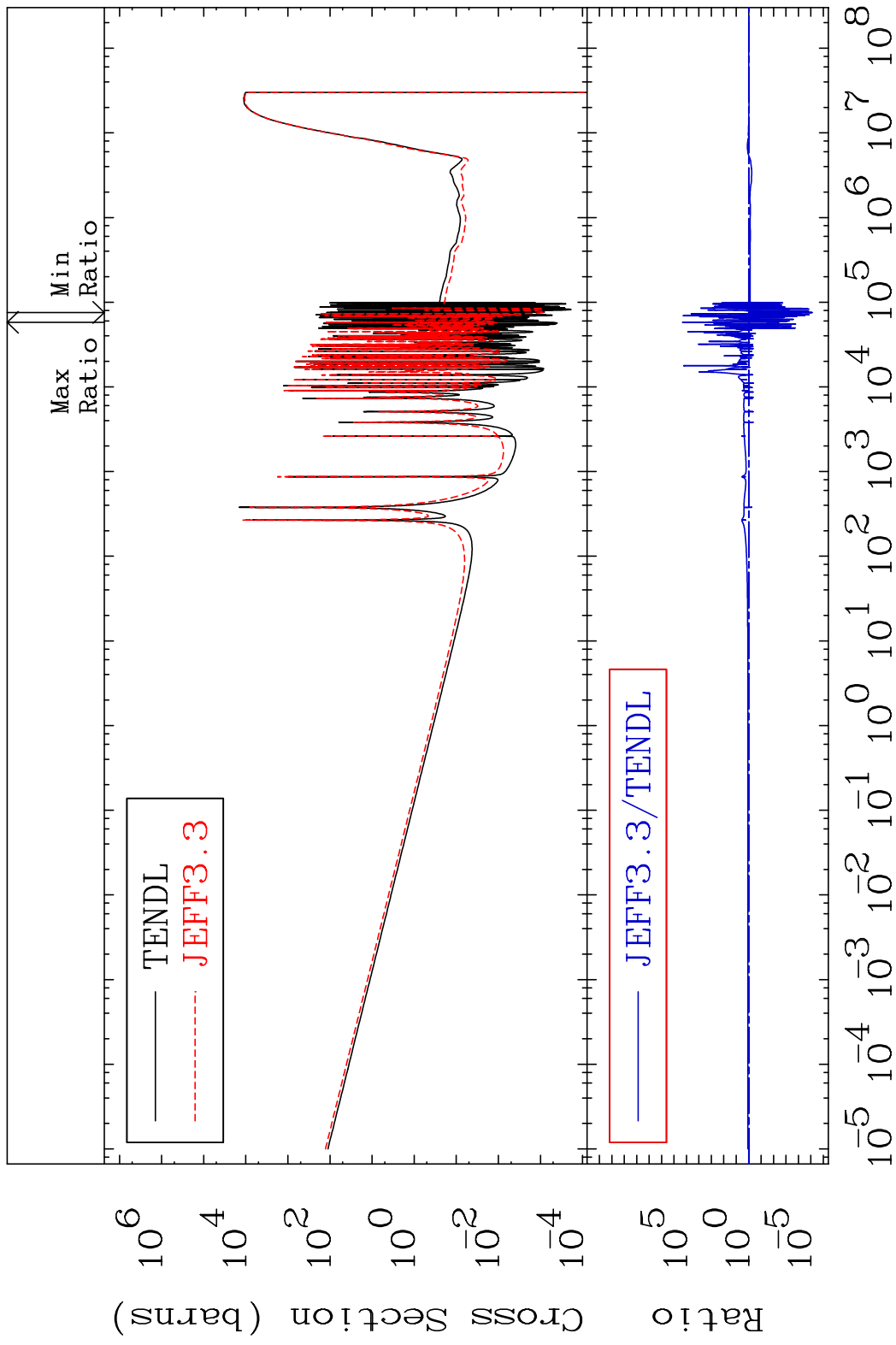
Incident Energy (eV)

37-Rb-87

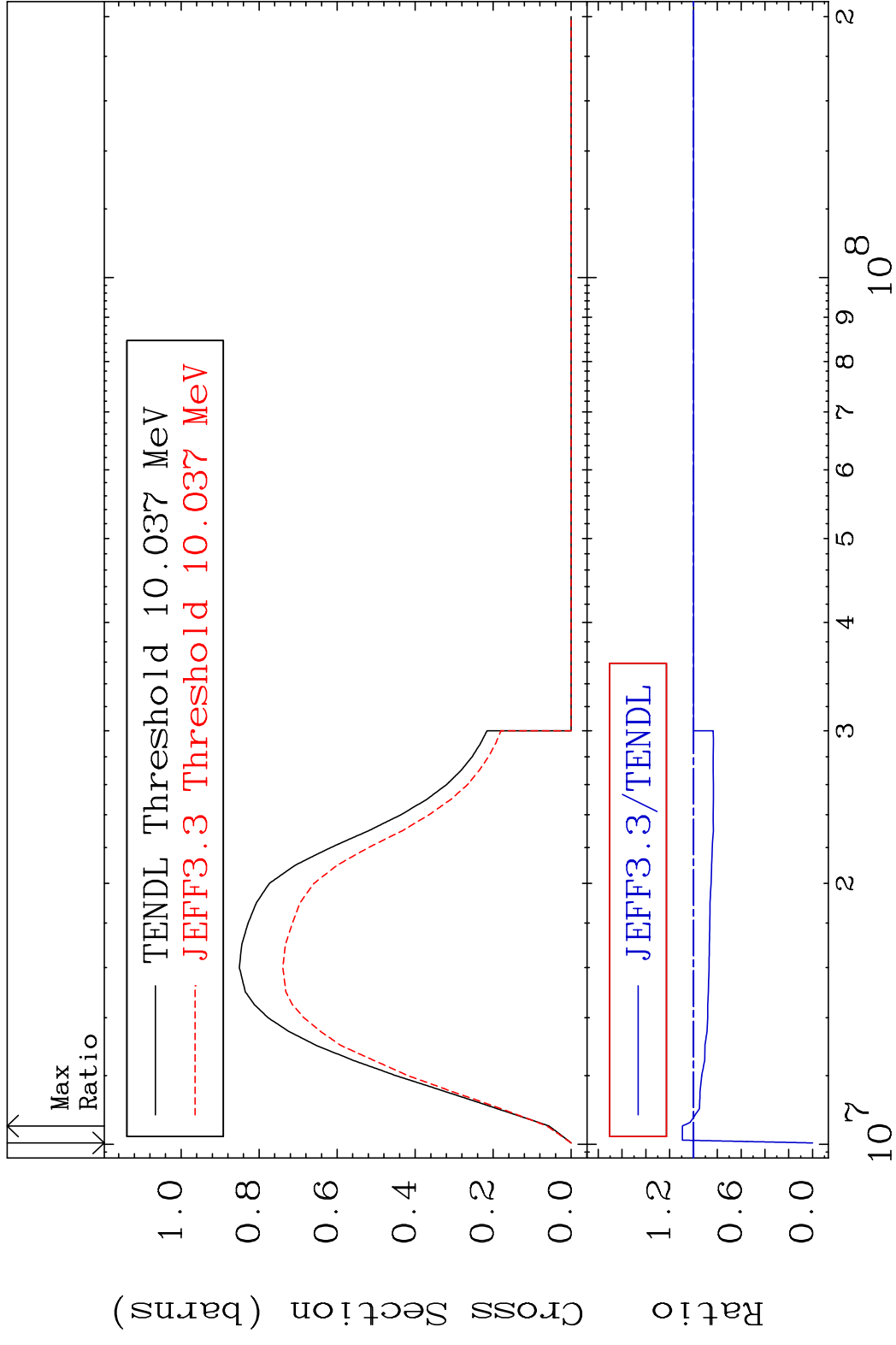
MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -1.381 To 9999. %



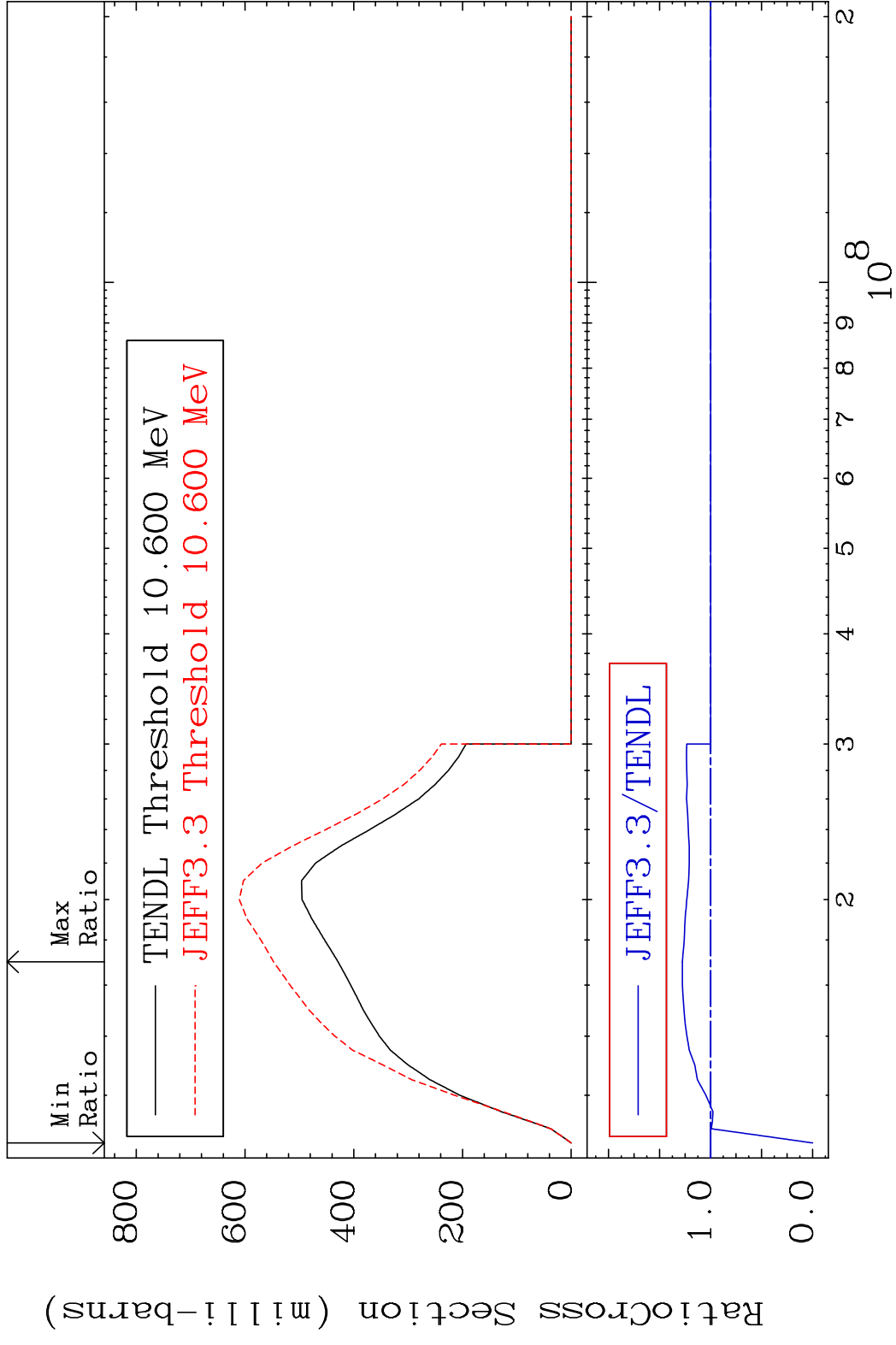
MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
 Cross Section -100.0 To 9999. %



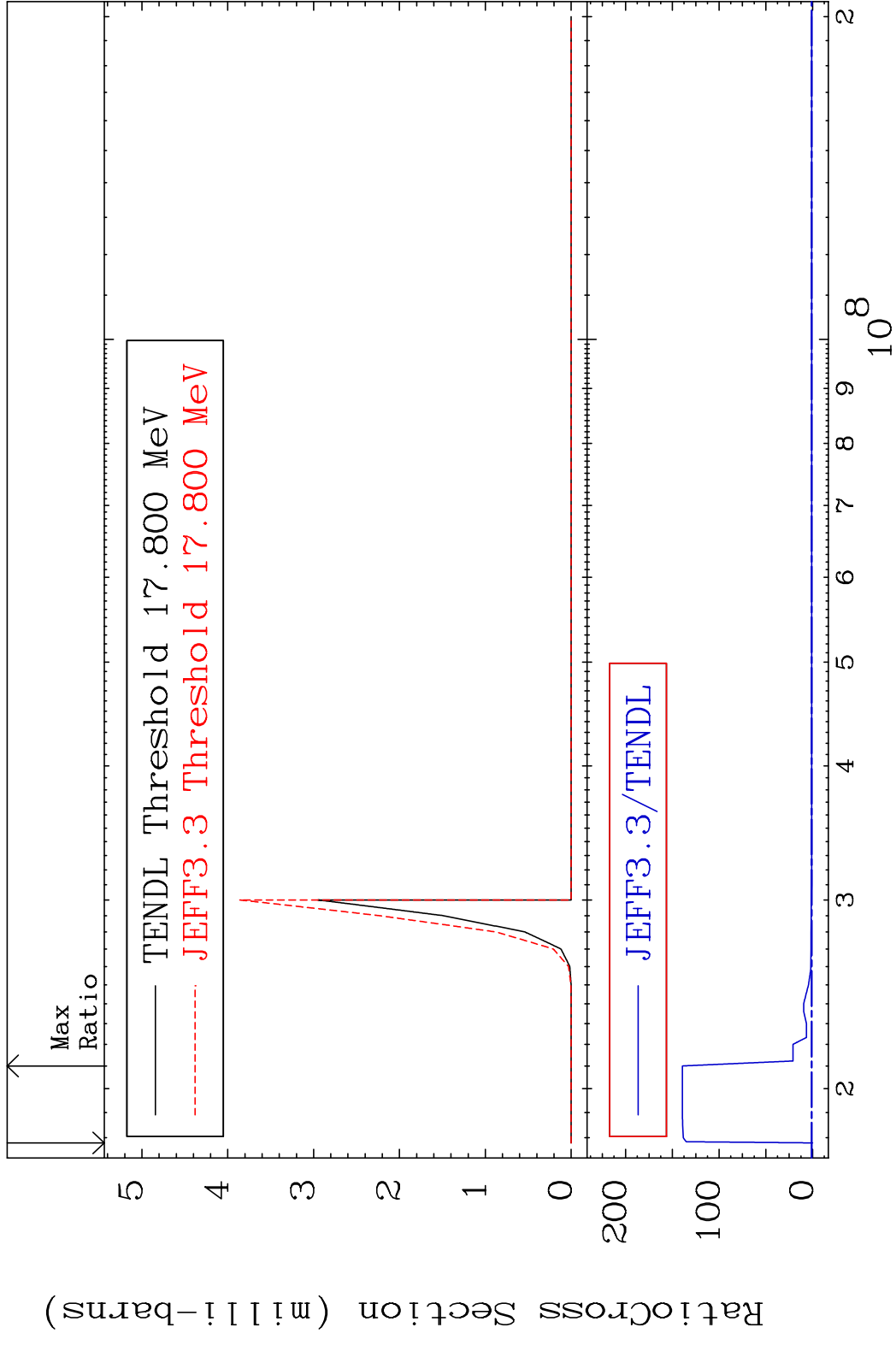
MAT 3731 (n,2n):37-Rb-86g 37-Rb-87
 Radionuclide Production Cross Section Ratio 9.364 %



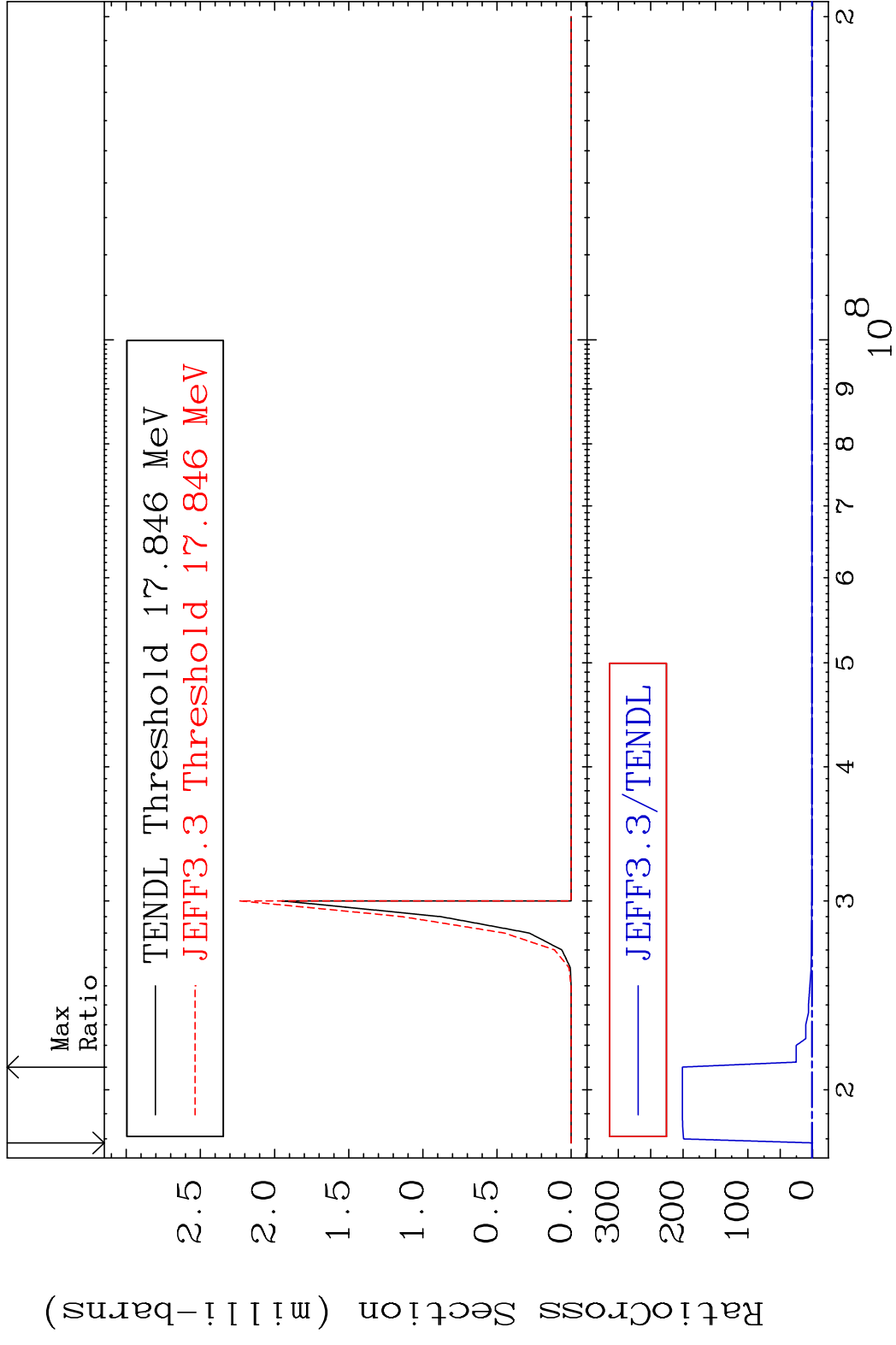
MAT 3731 (n,2n):37-Rb-86m2 37-Rb-87
 Radionuclide Production Cross Section Ratio 27.66 %

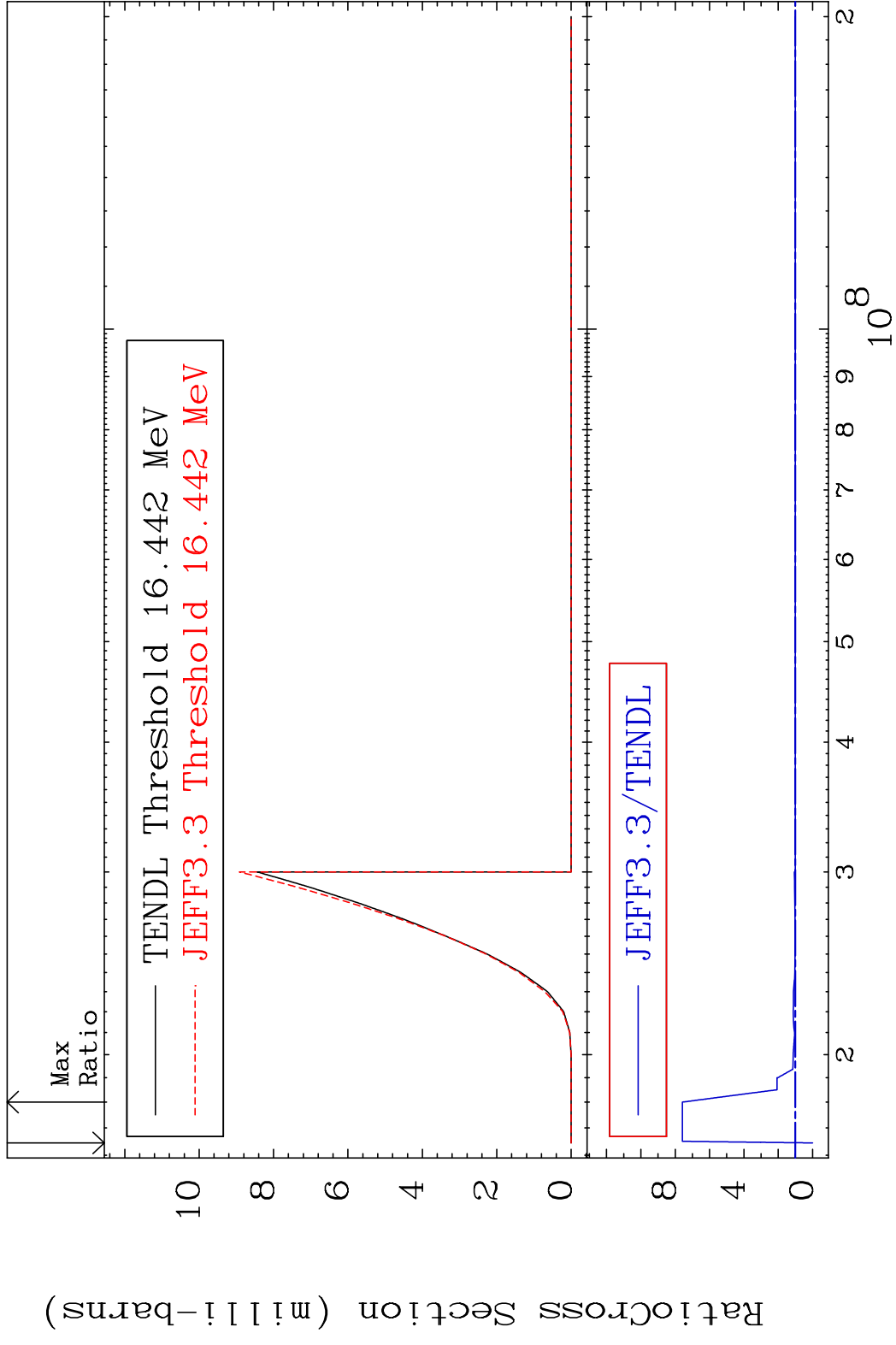


MAT 3731 (n,2n) α :35-Br-82g 37-Rb-87
 Radionuclide Production Cross Section 100.00 to 9999.00 %

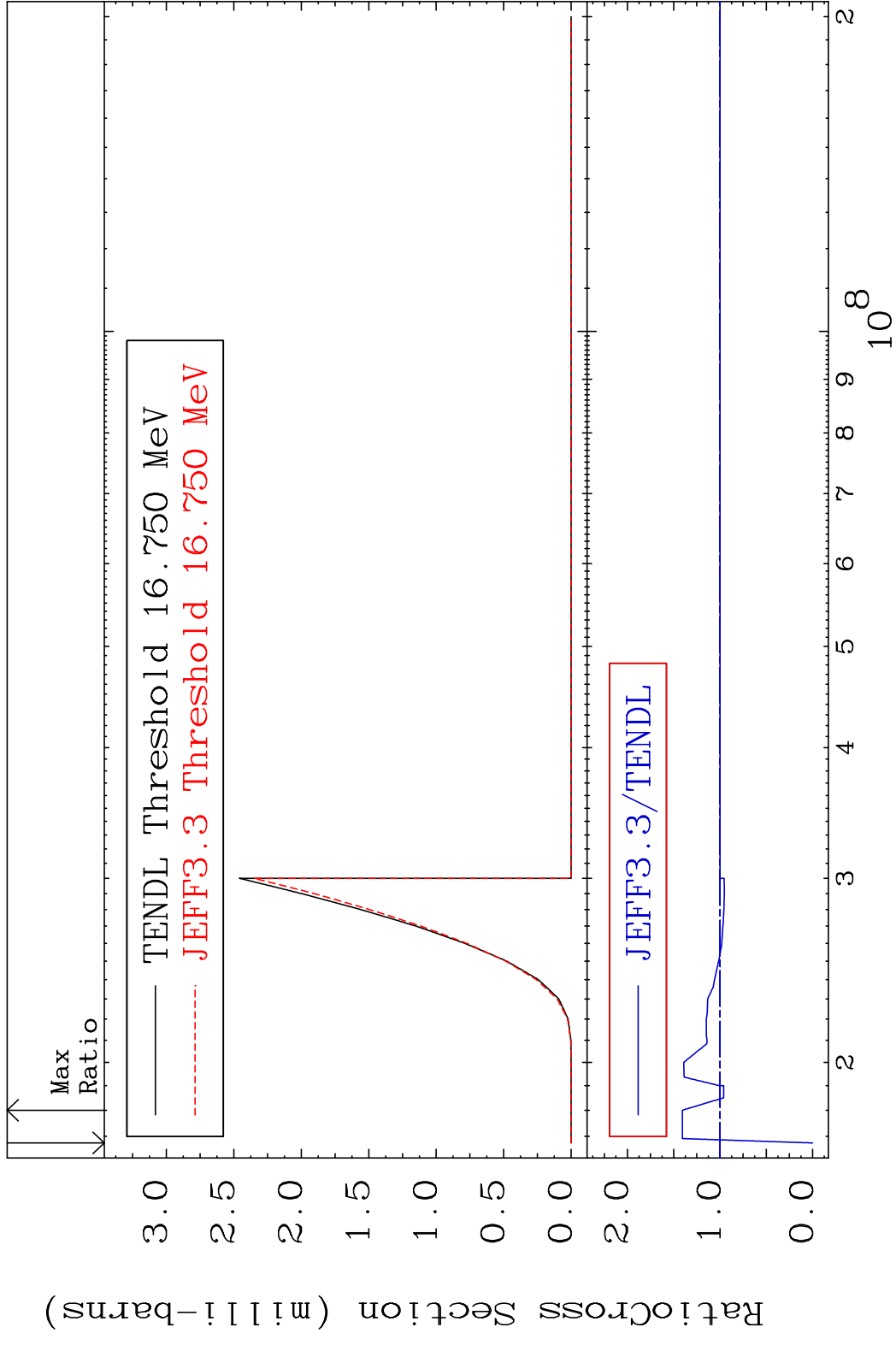


MAT 3731 (n,2n) α :35-Br-82m1 37-Rb-87
 Radionuclide Production Cross Section 18000 dno 9999. %

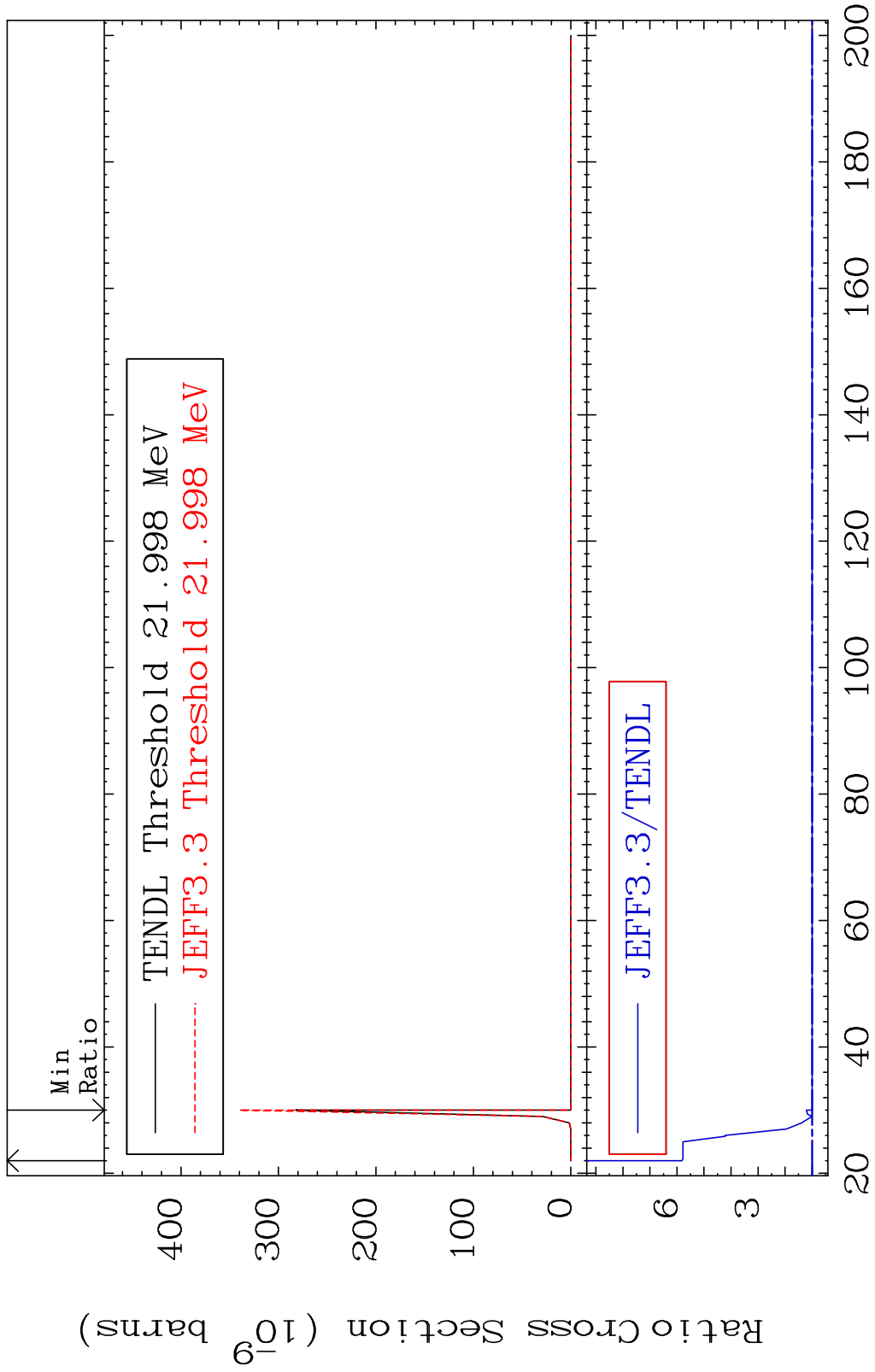


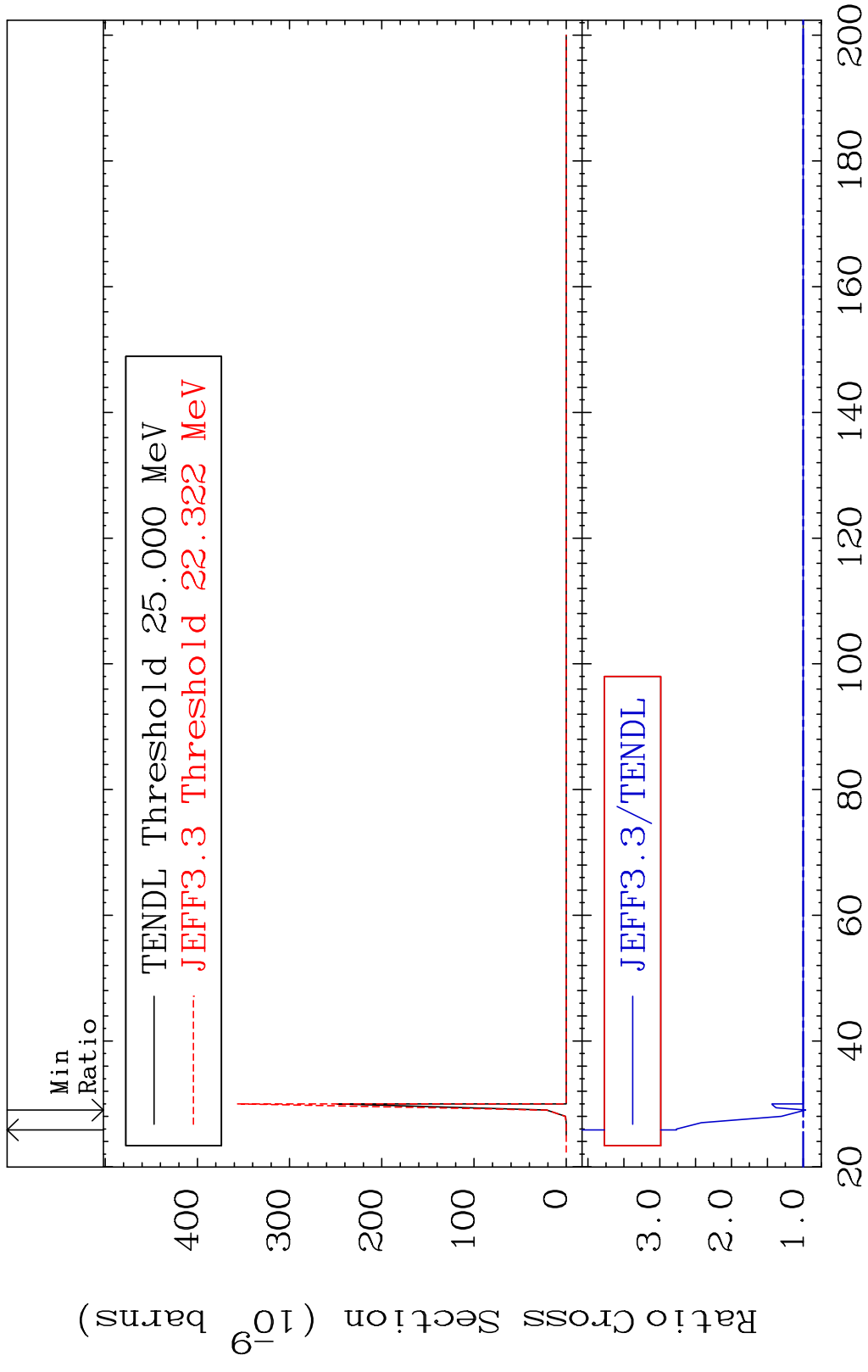


MAT 3731 (n, n') d:36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 40.66 %

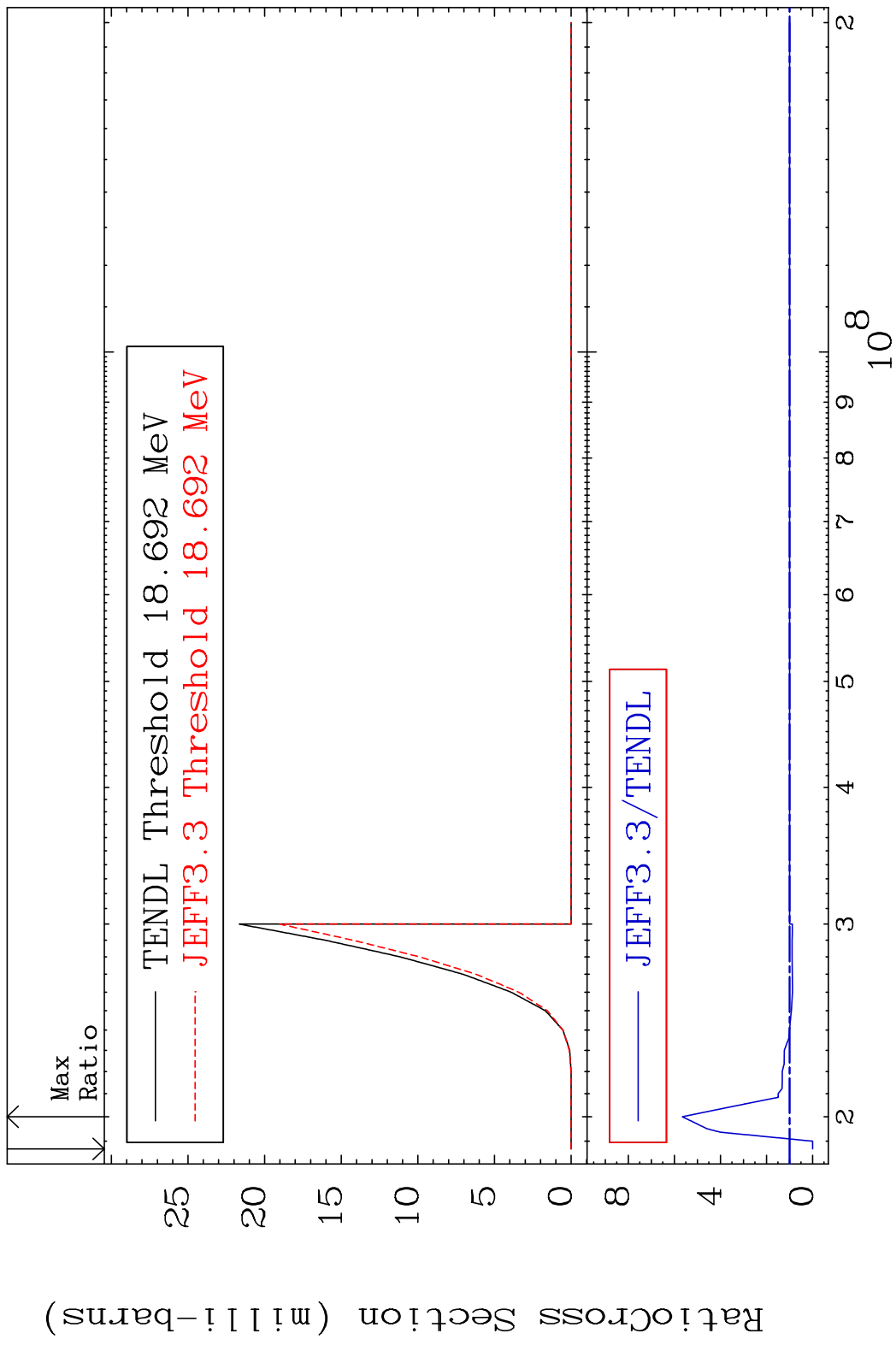


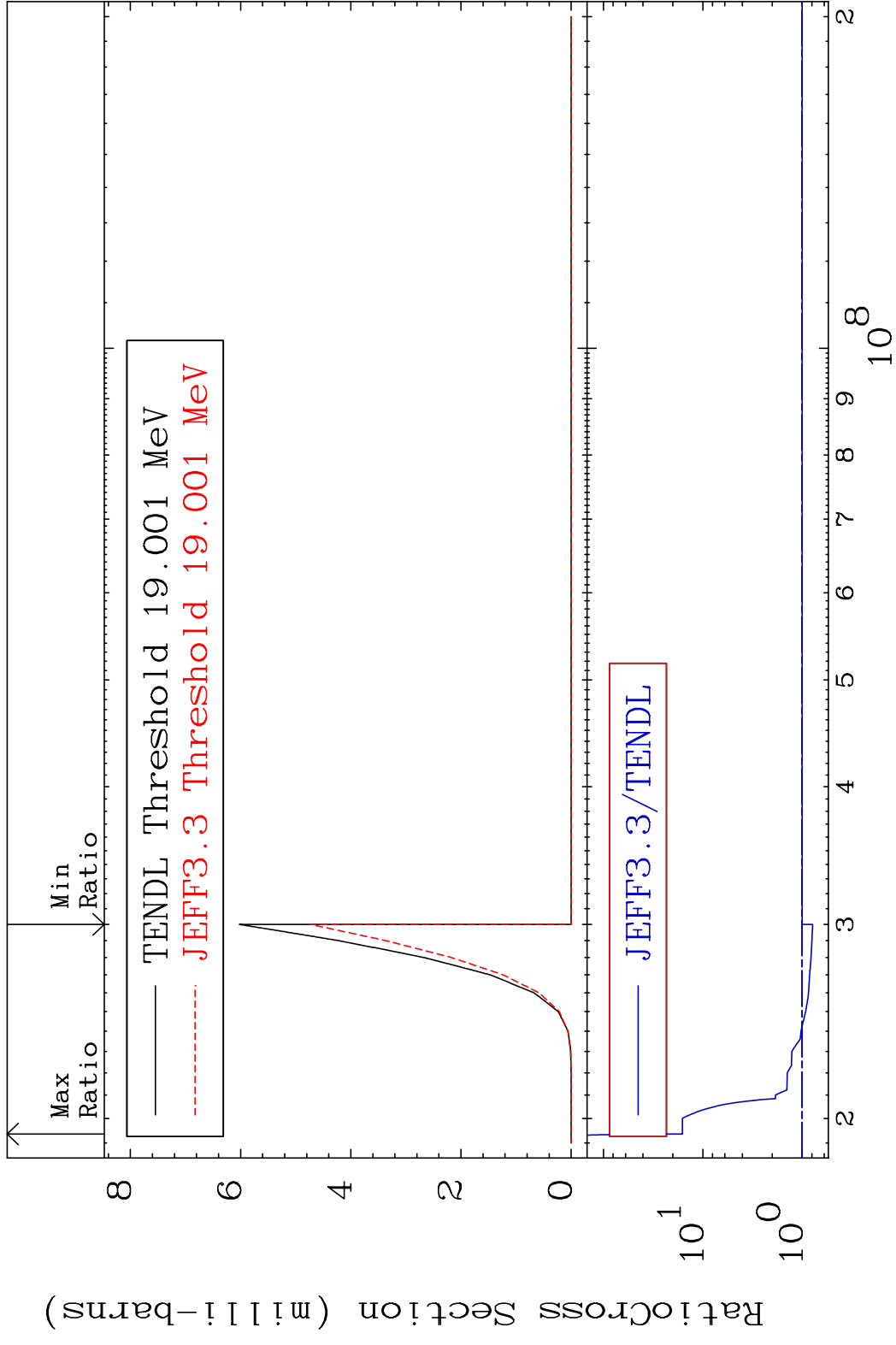
MAT 3731 (n, n') He-3:35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 481.5 %



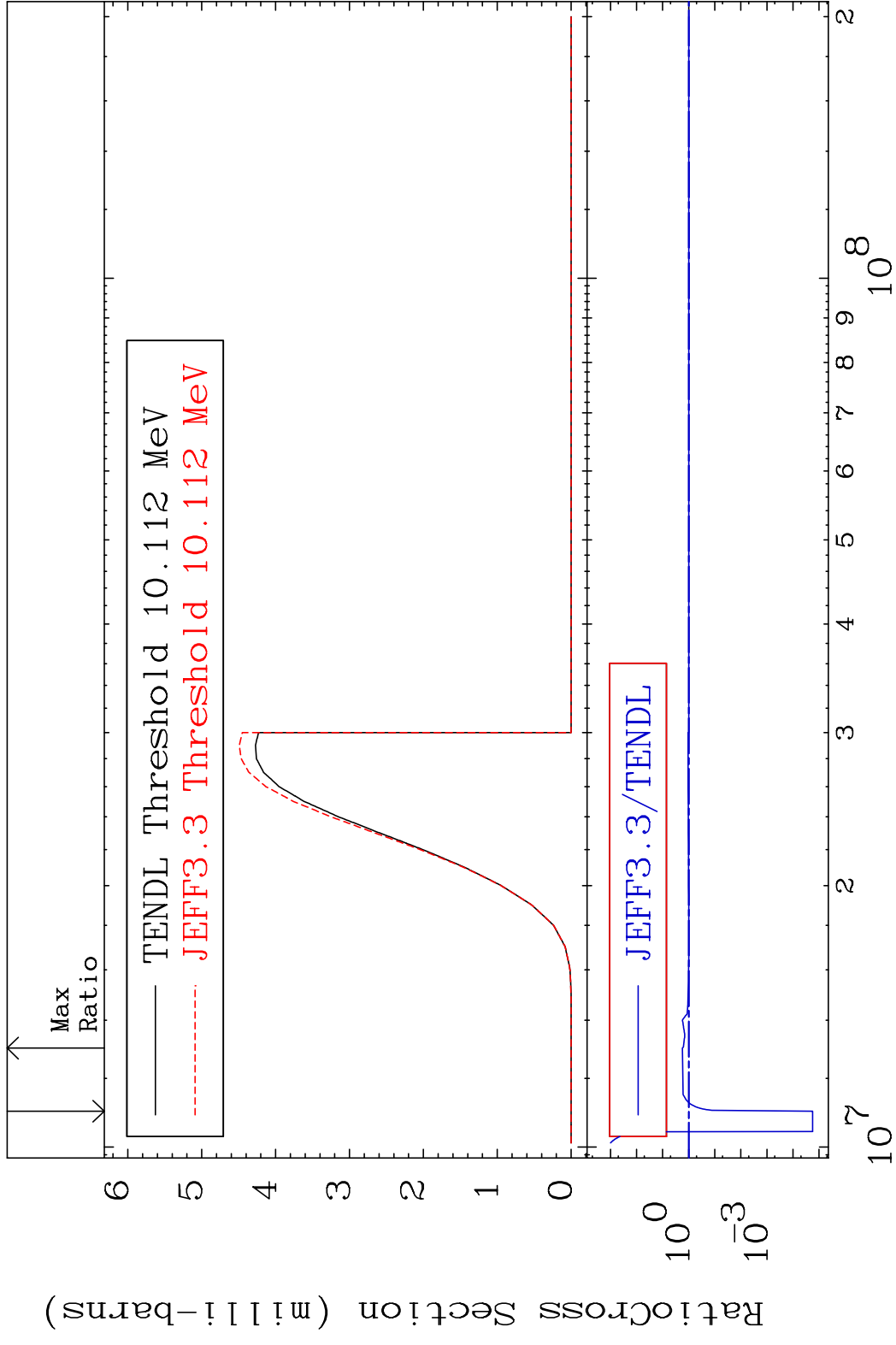


MAT 3731 (n,2n) p:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section Ratio 465.2 %



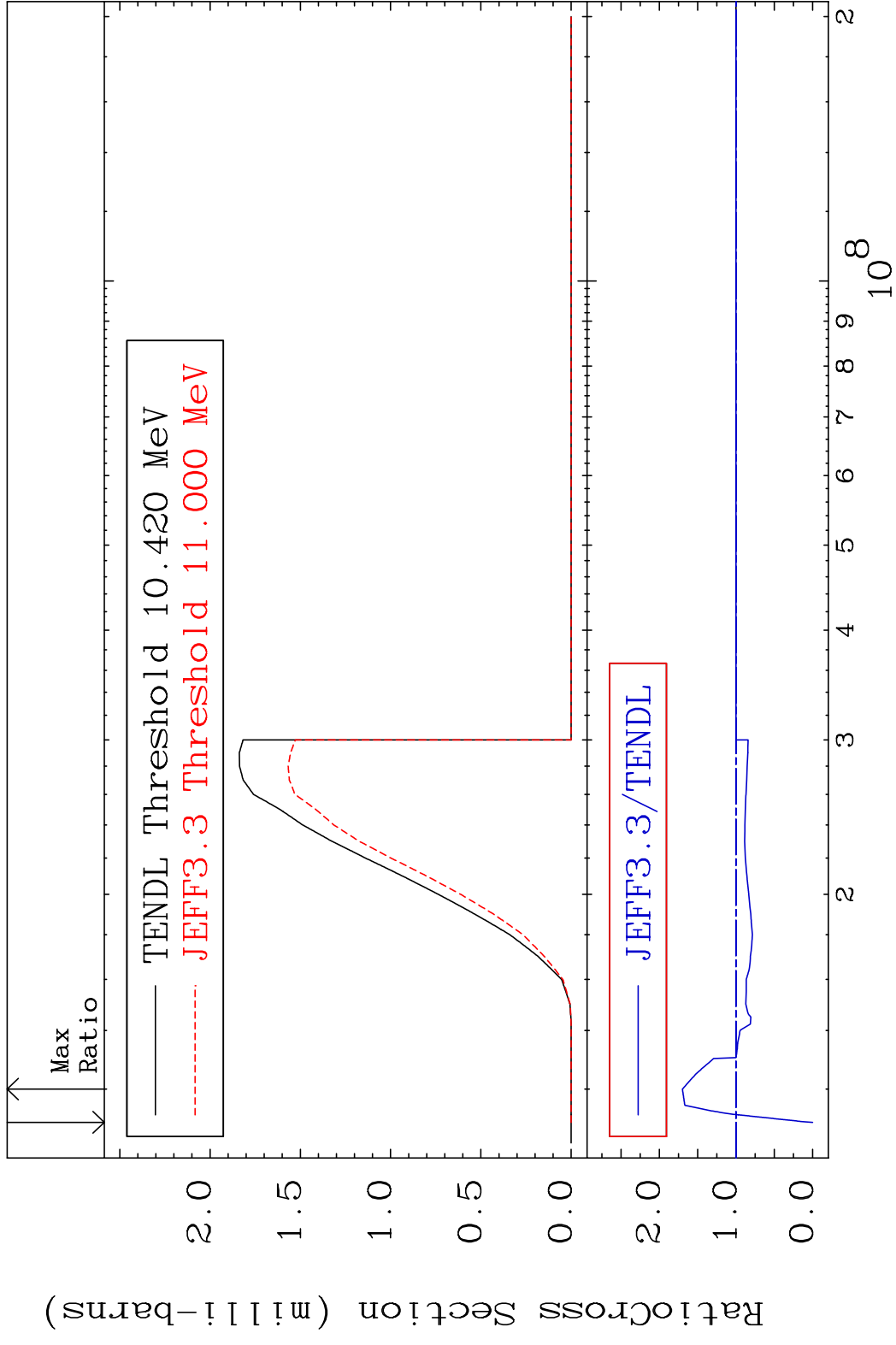


MAT 3731 (n, t):36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 180.01 dth 74.95 %

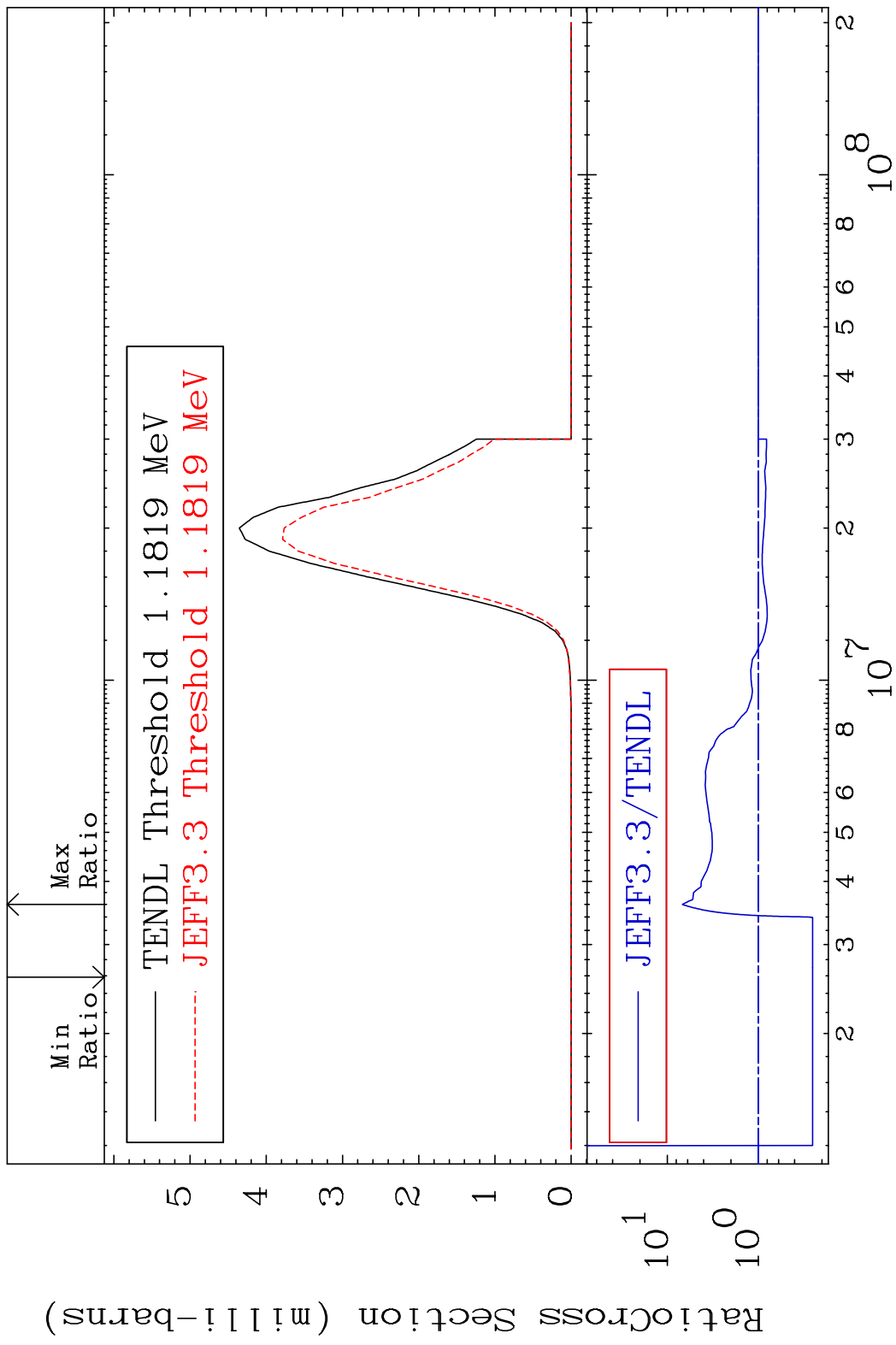


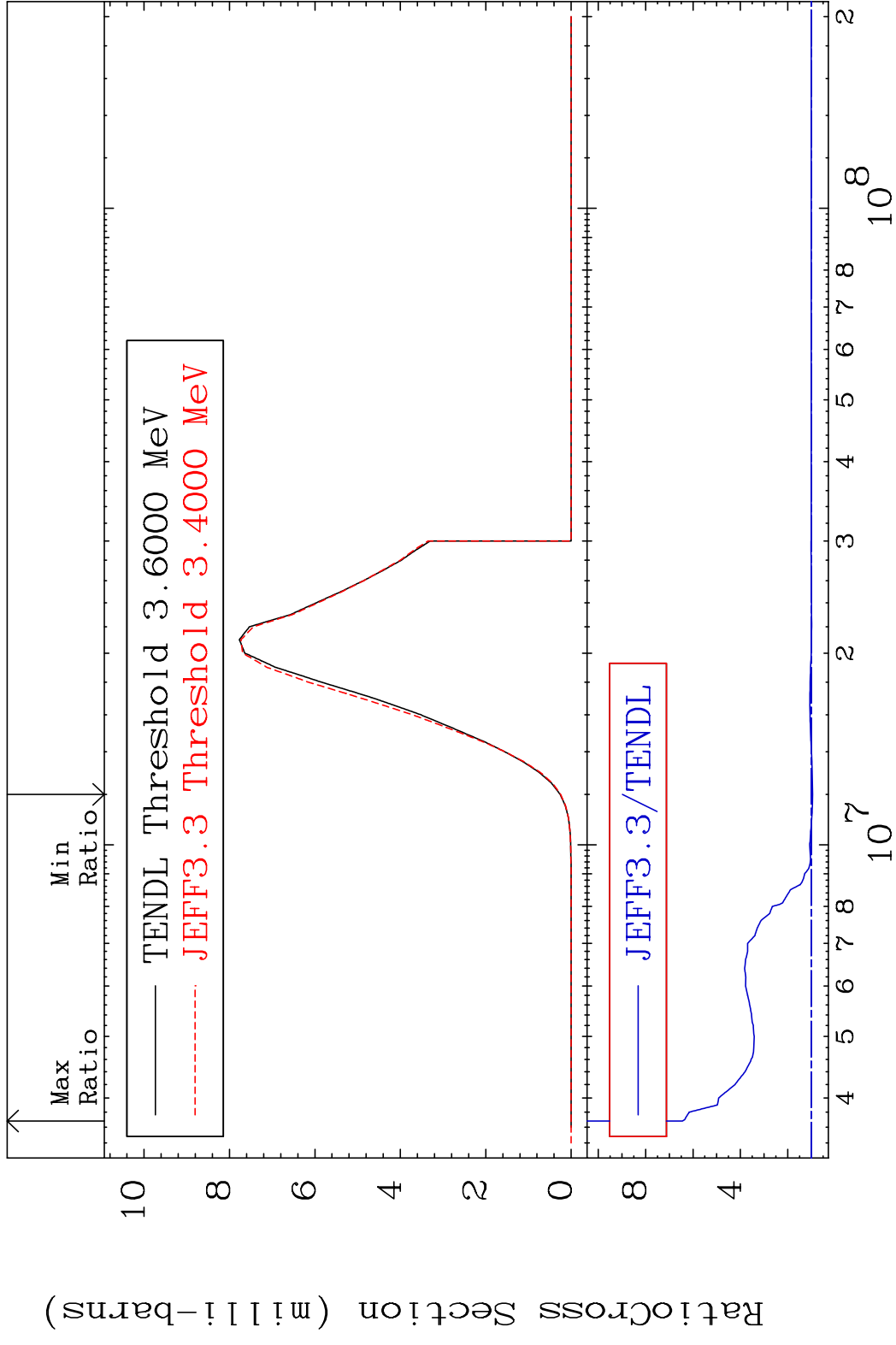
87 37-Rb-87

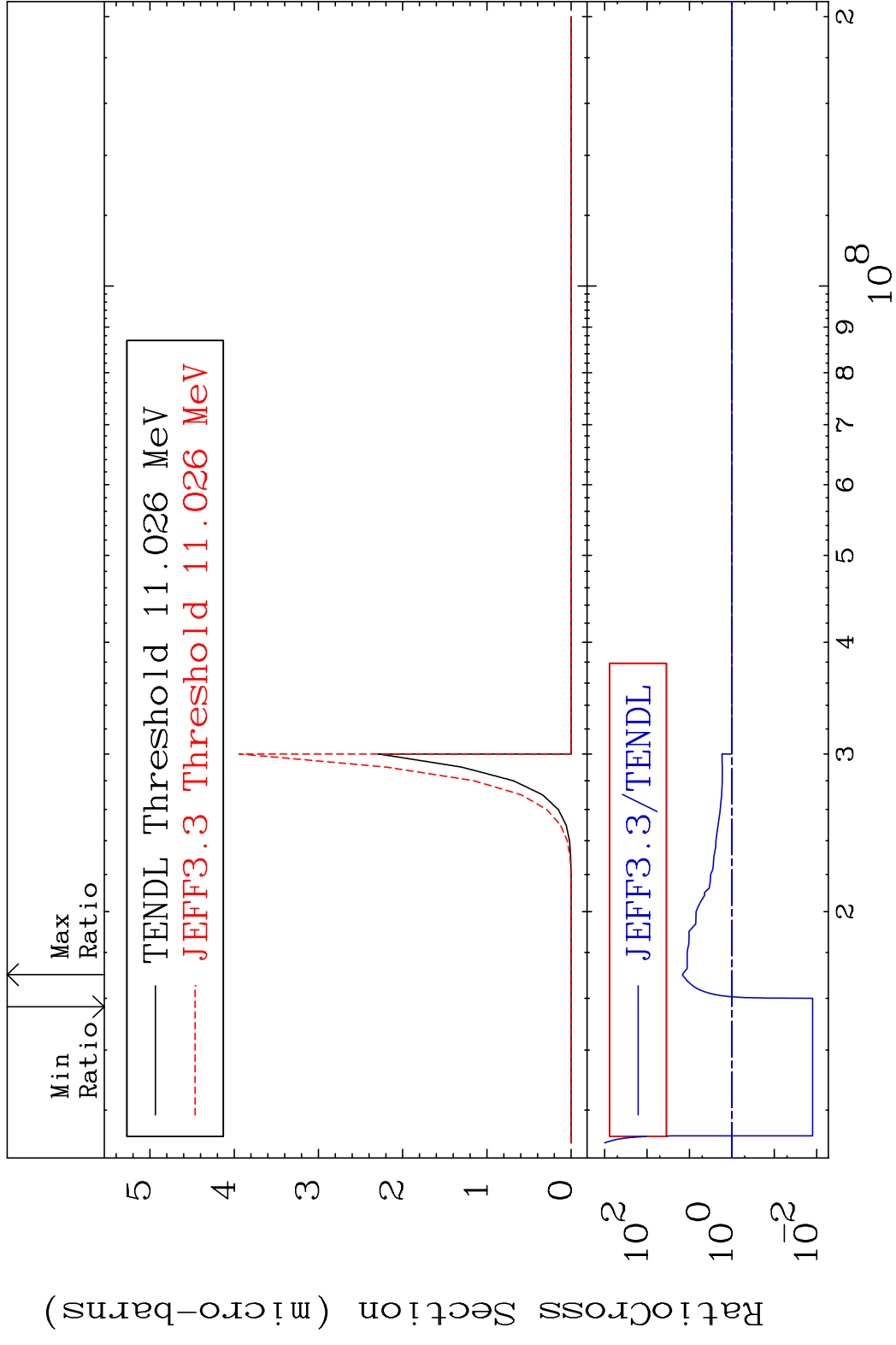
MAT 3731 (n, t):36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 69.96 %

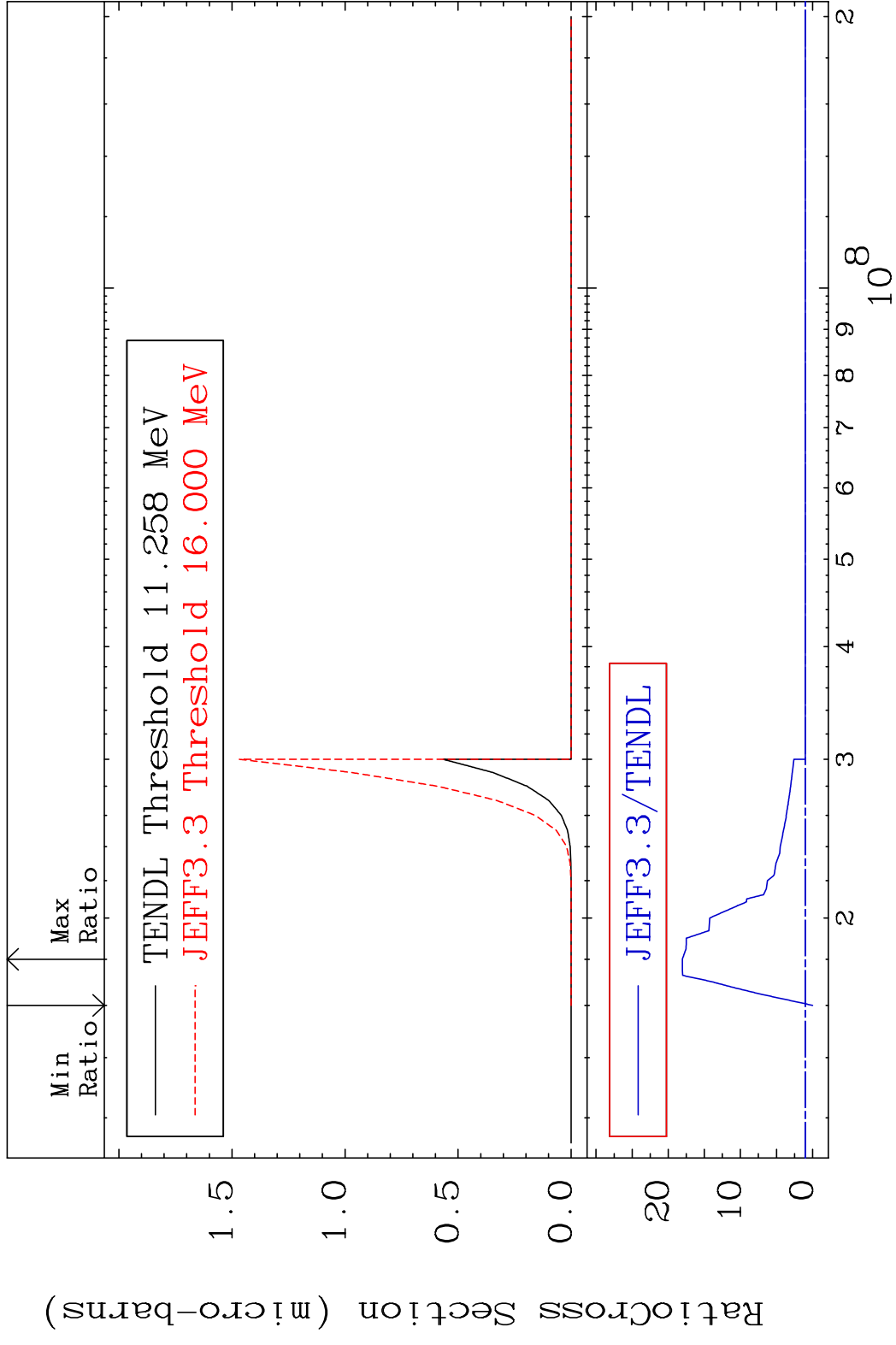


MAT 3731 (n, α): 35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 584.2 %

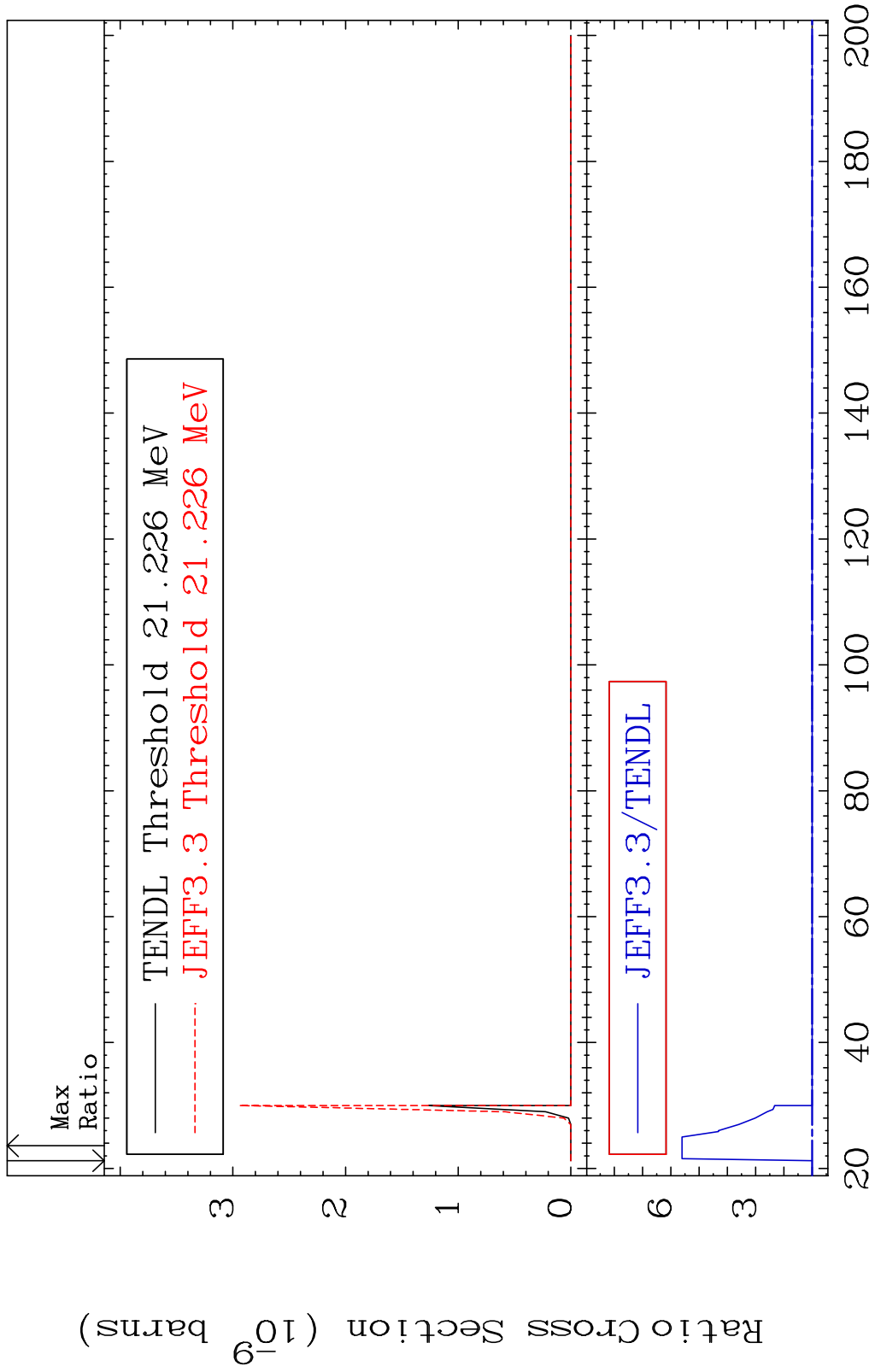








MAT 3731 (n, p) t:35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 460.7 %



MAT 3731 (n, p) t:35-Br-84m1 37-Rb-87
 Radionuclide Production Cross Section 529.5 %

