

Program Complot
(Version 2021-1)

by

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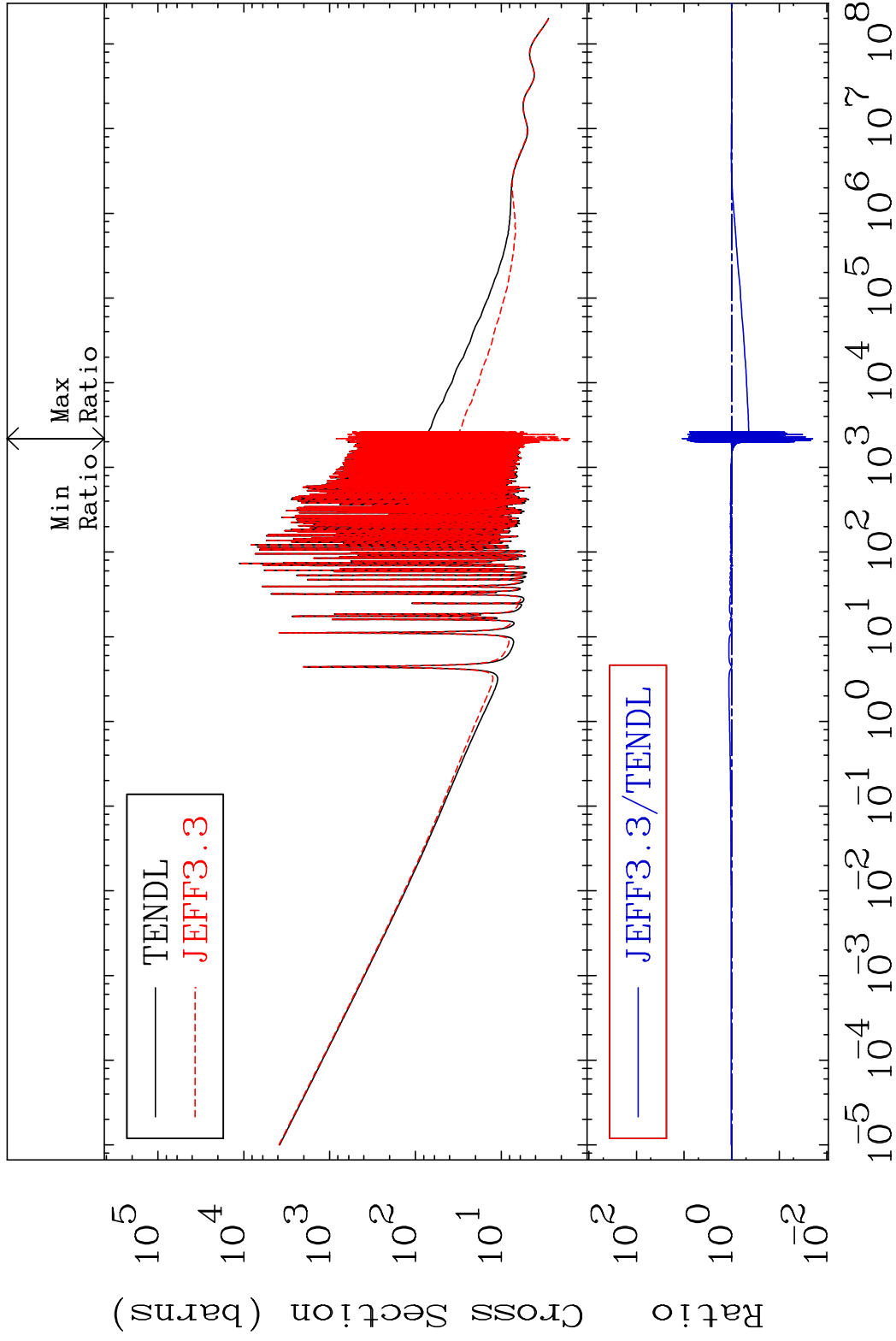
Press Mouse Button to Start

MAT 7531

Total

75-Re-187

Cross Section -98.01 To 985.0 %



1

Incident Energy (eV)

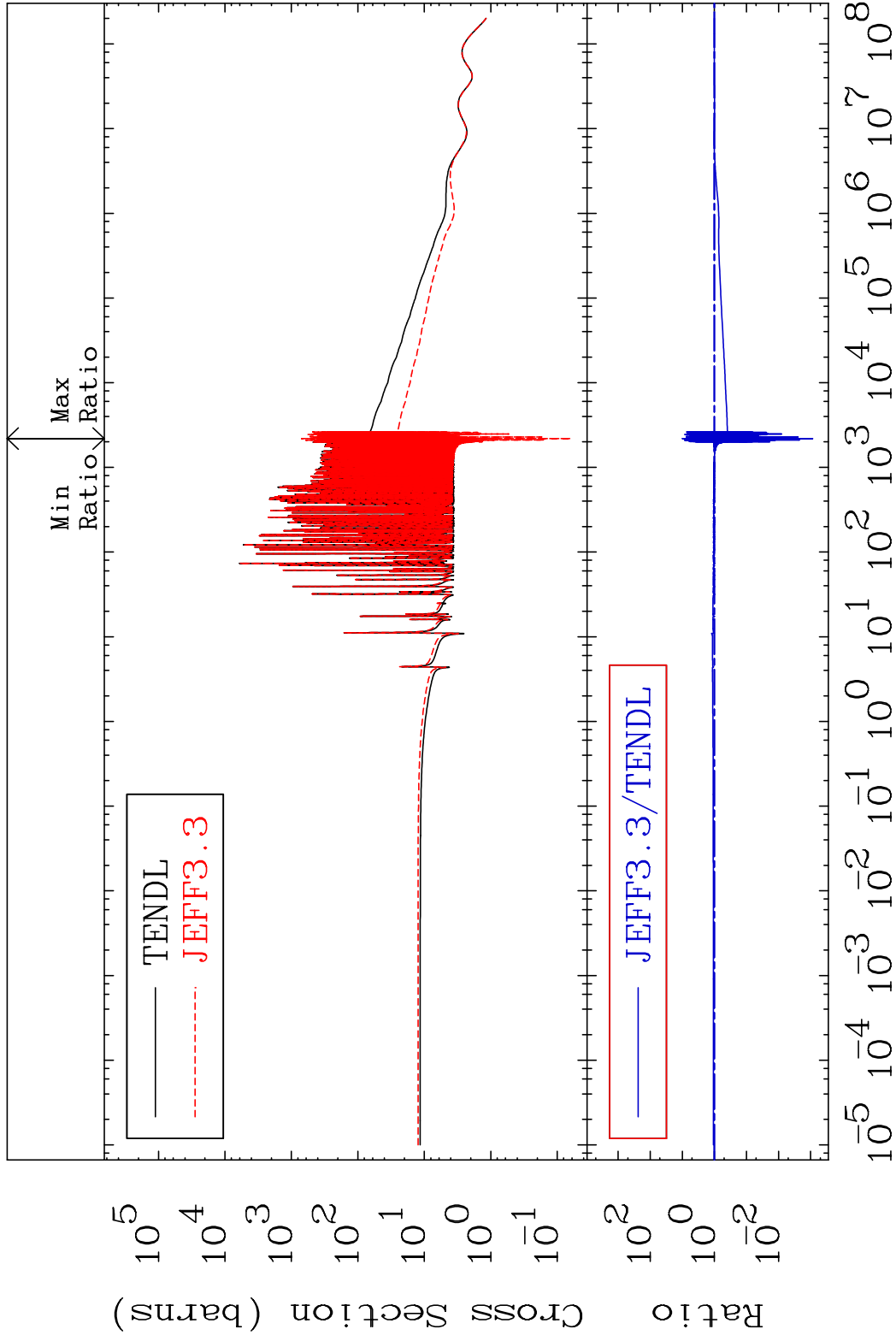
75-Re-187

MAT 7531

Elastic

75-Re-187

Cross Section -99.91 To 896.0 %



2

Incident Energy (eV)

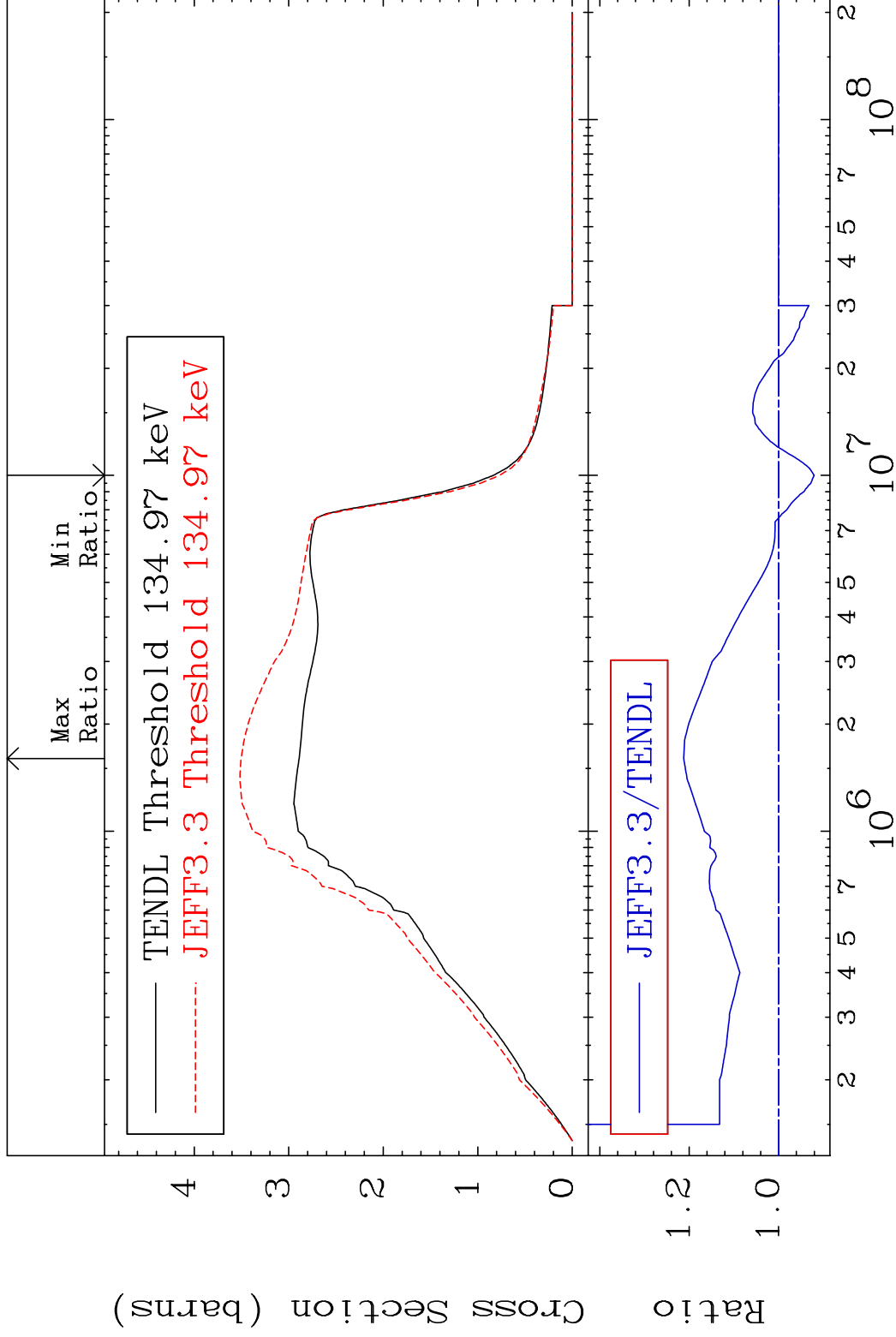
75-Re-187

MAT 7531

Inelastic

75-Re-187

Cross Section -7.963 To 21.23 %



3

Incident Energy (eV)

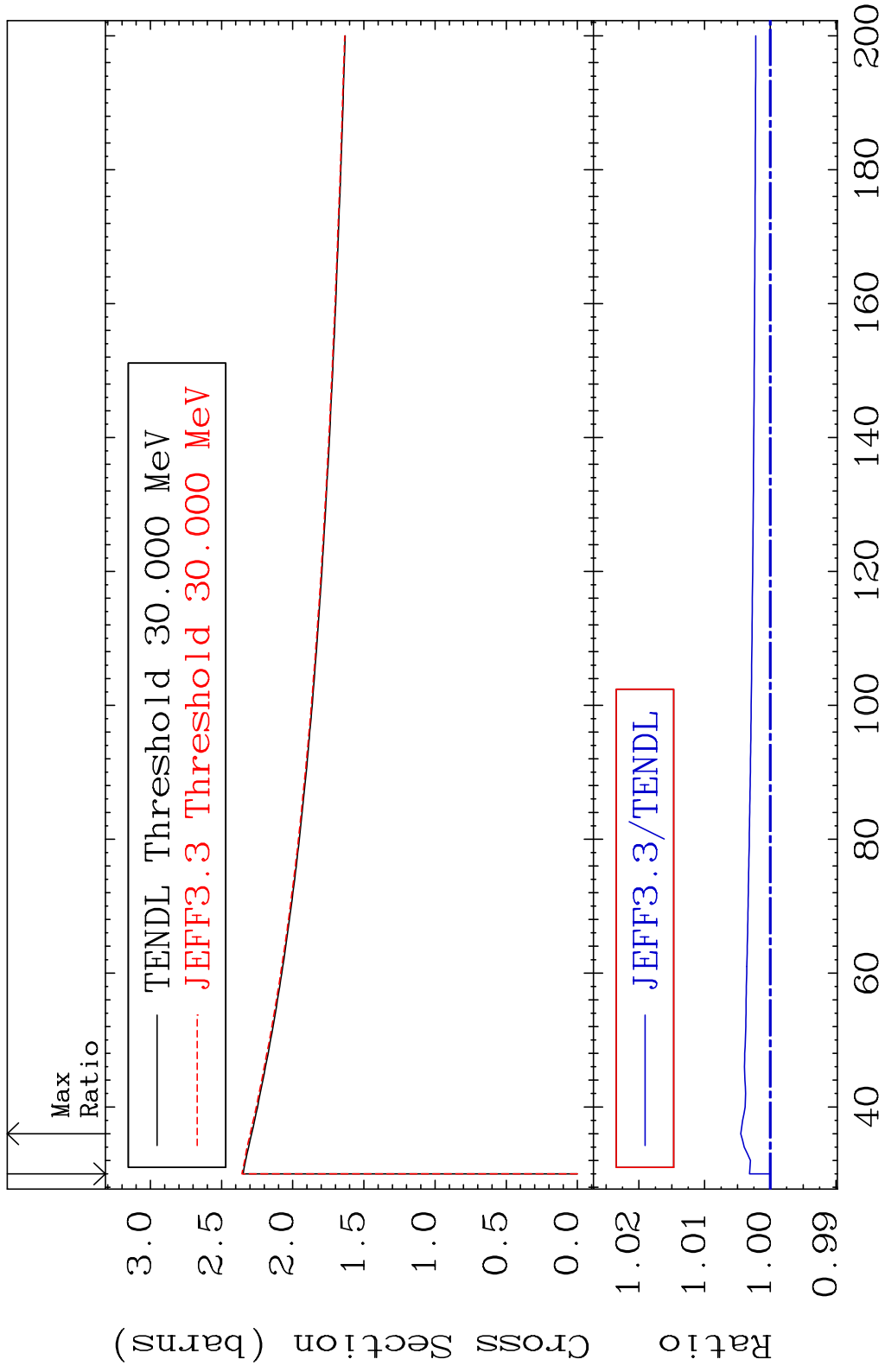
75-Re-187

MAT 7531

(n, remainder)

75-Re-187

Cross Section 0.000 To 0.448 %

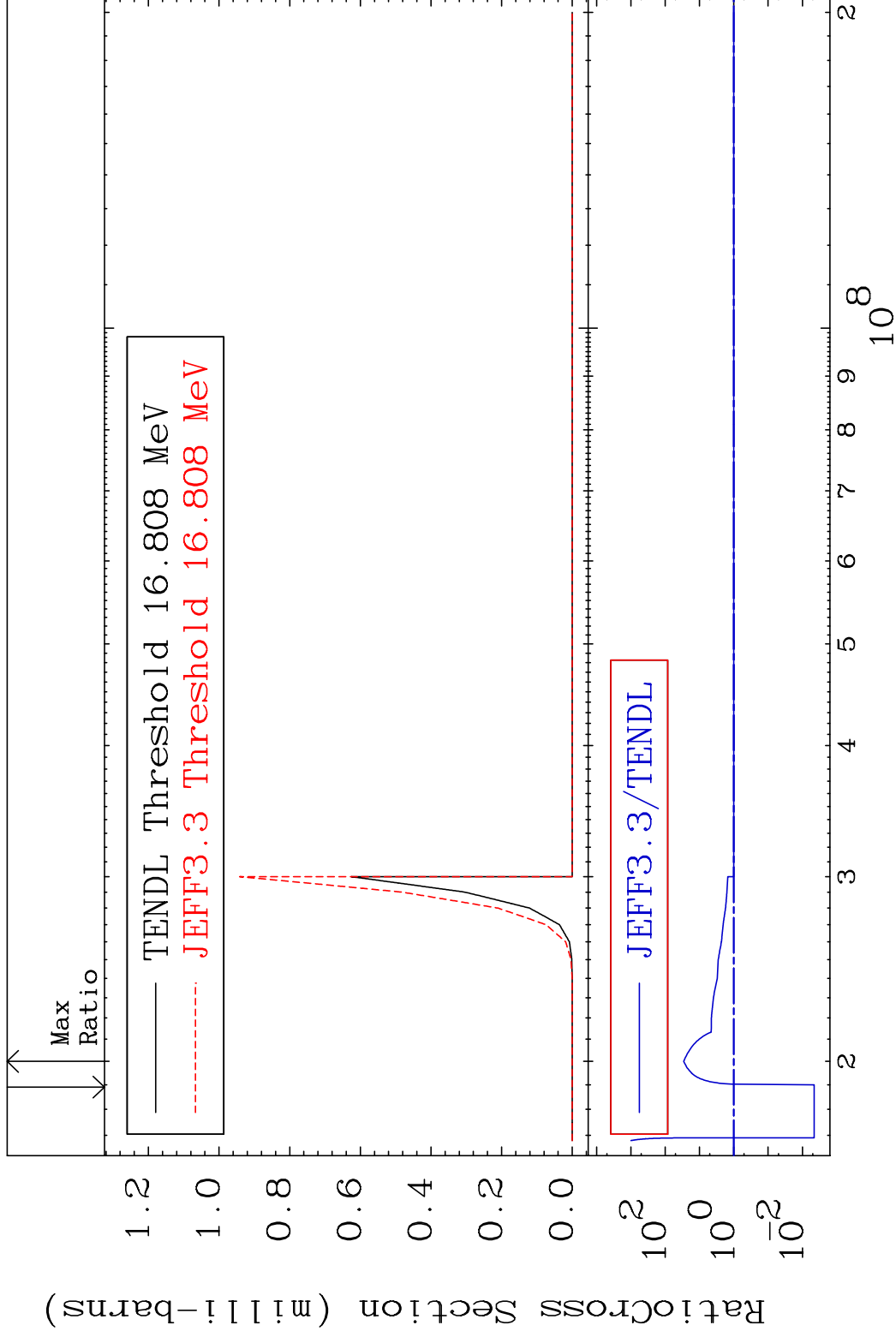


MAT 7531

(n,2n) d

75-Re-187

Cross Section -99.54 To 2794. %

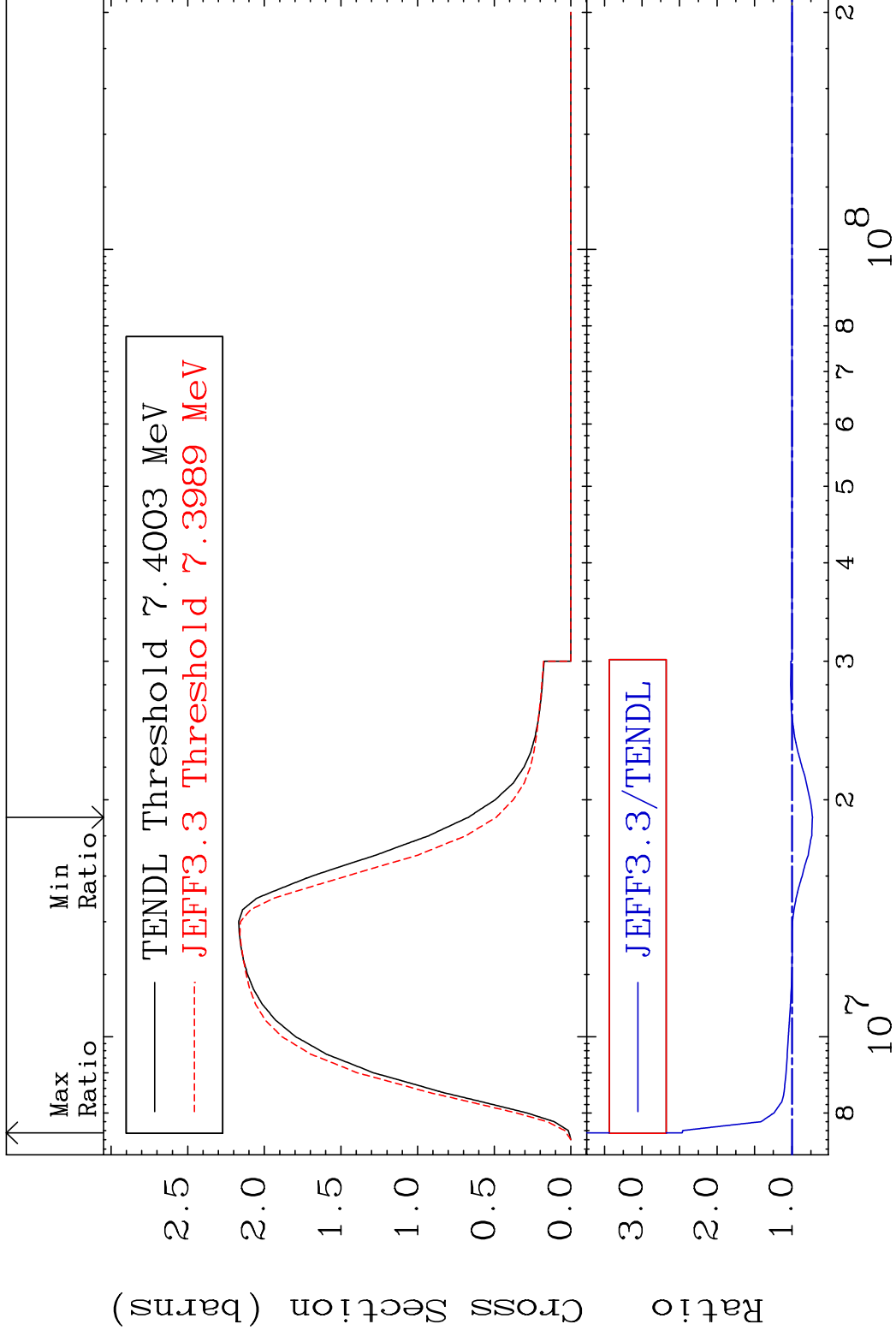


MAT 7531

(n,2n)

75-Re-187

Cross Section -27.16 To 146.5 %



6

Incident Energy (eV)

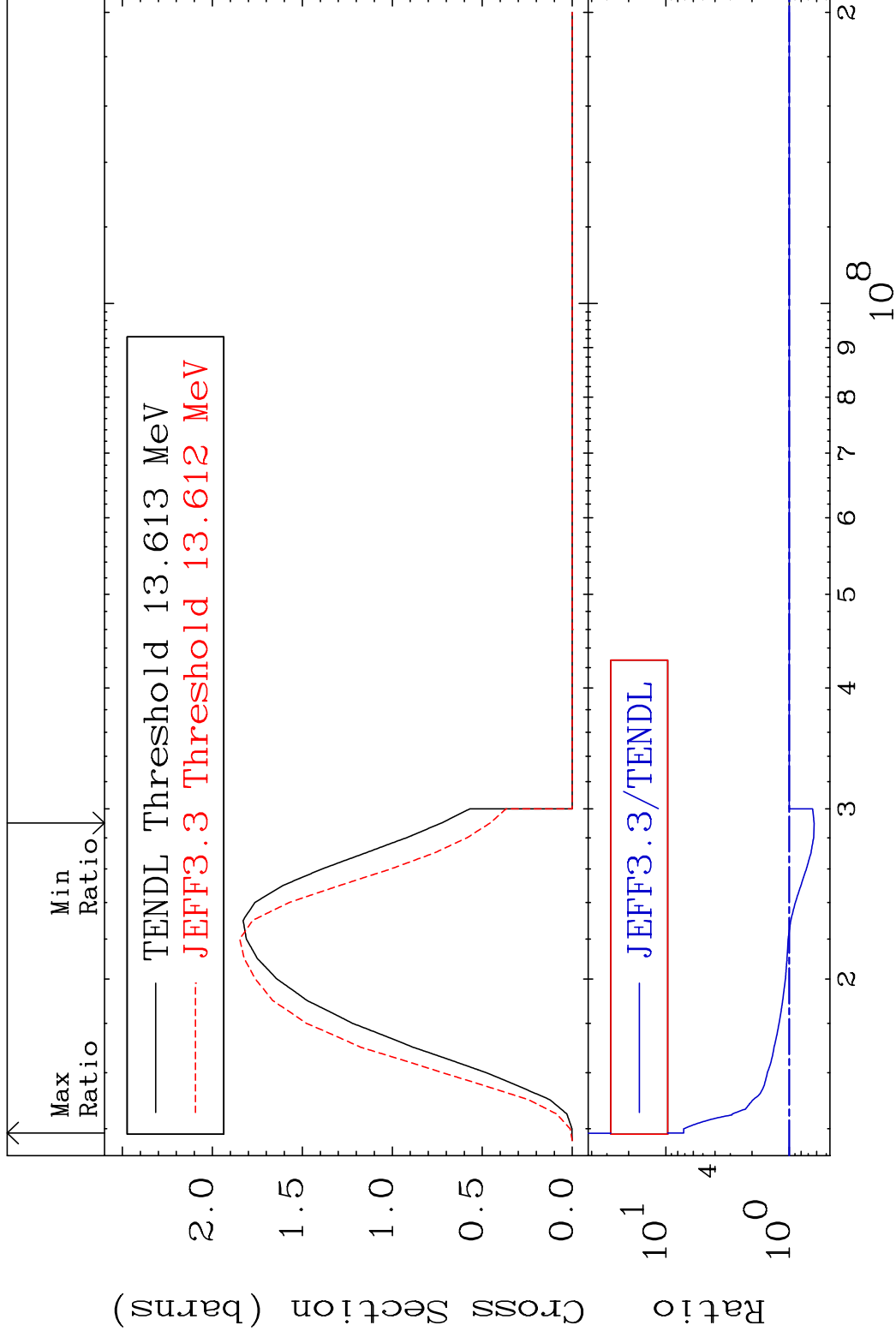
75-Re-187

MAT 7531

(n,3n)

75-Re-187

Cross Section -37.15 To 616.7 %

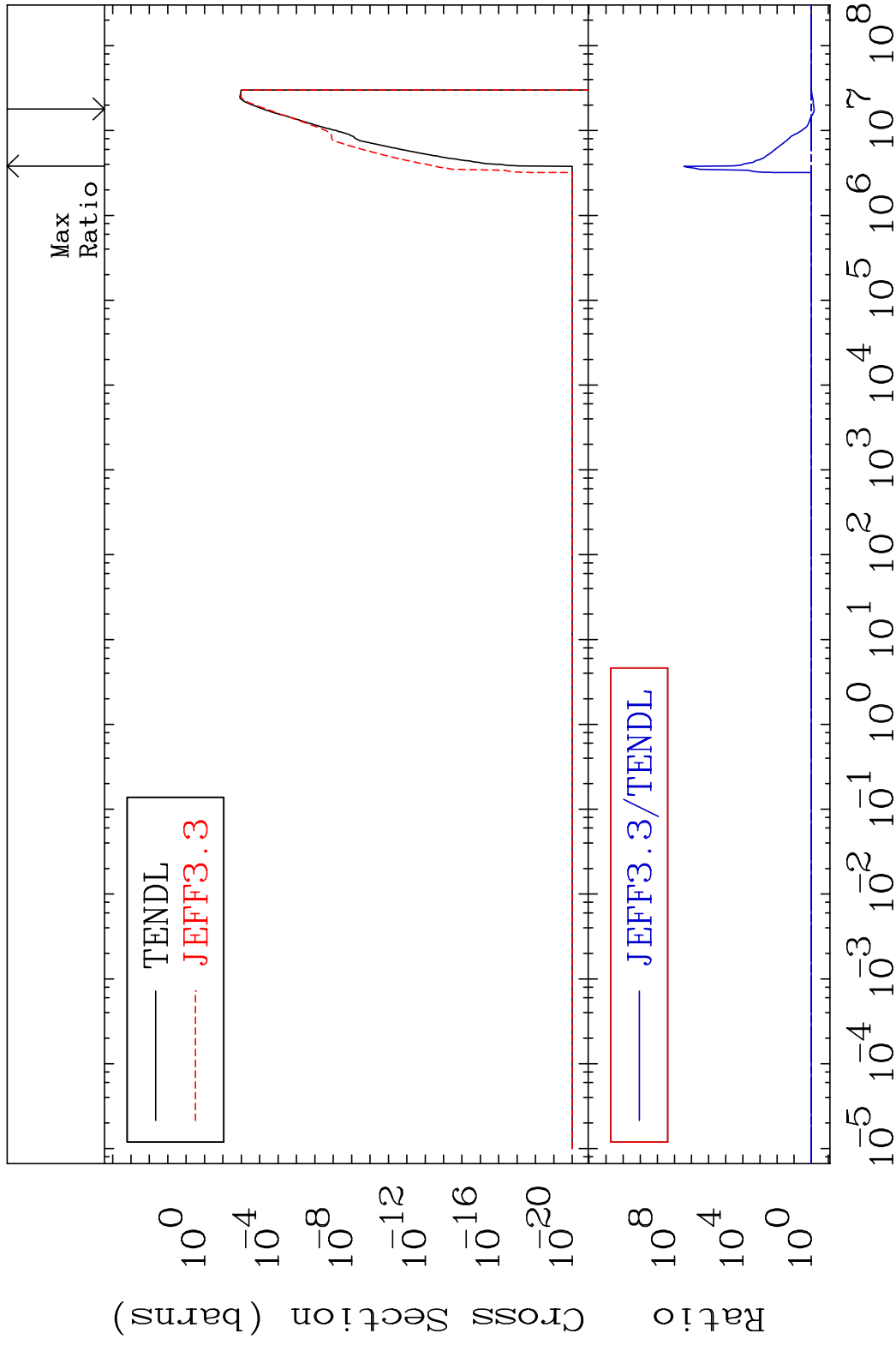


MAT 7531

(n, n') α

75-Re-187

Cross Section -32.16 To 9999. %

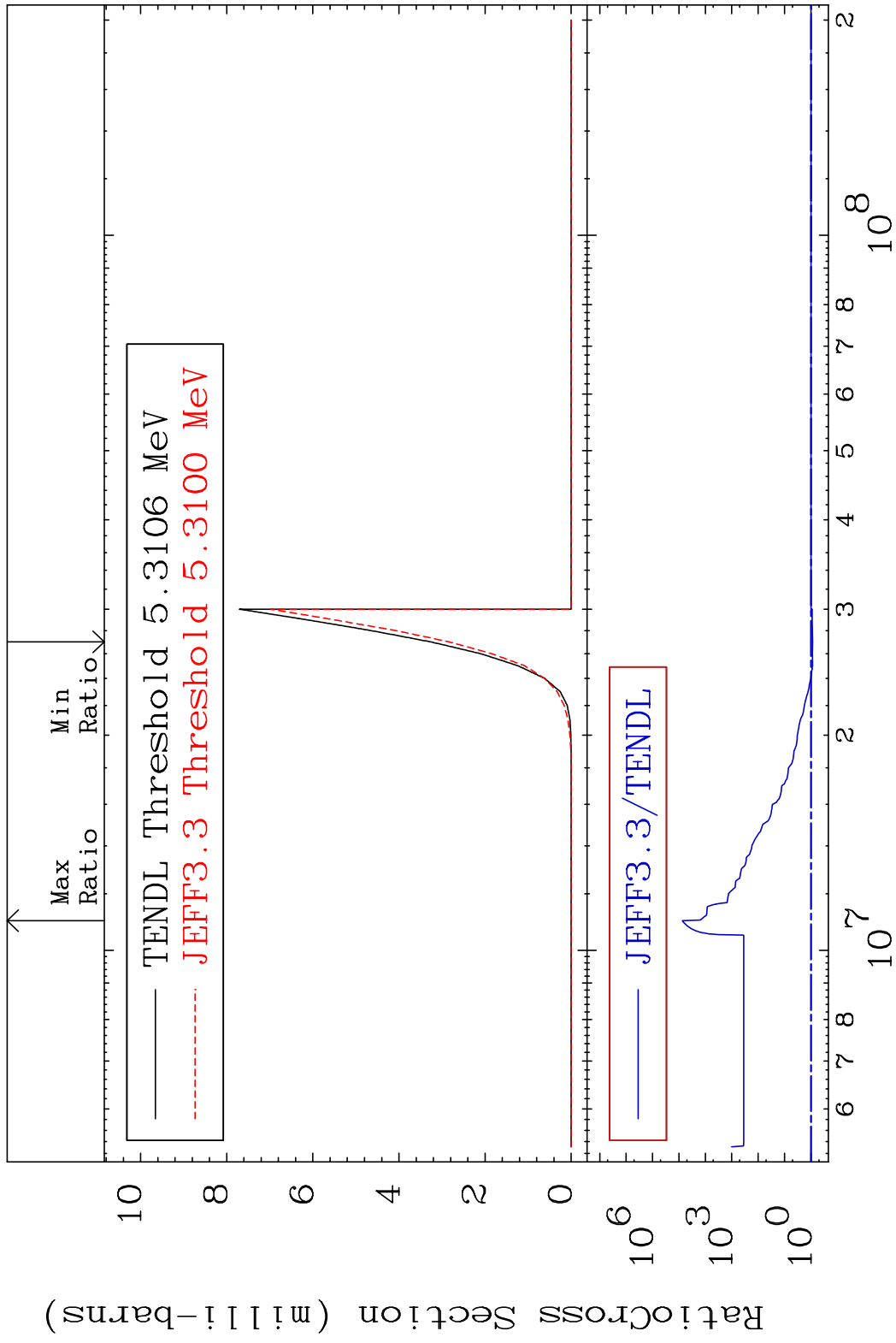


MAT 7531

(n,2n) α

75-Re-187

Cross Section -13.09 To 9999. %



9

Incident Energy (eV)

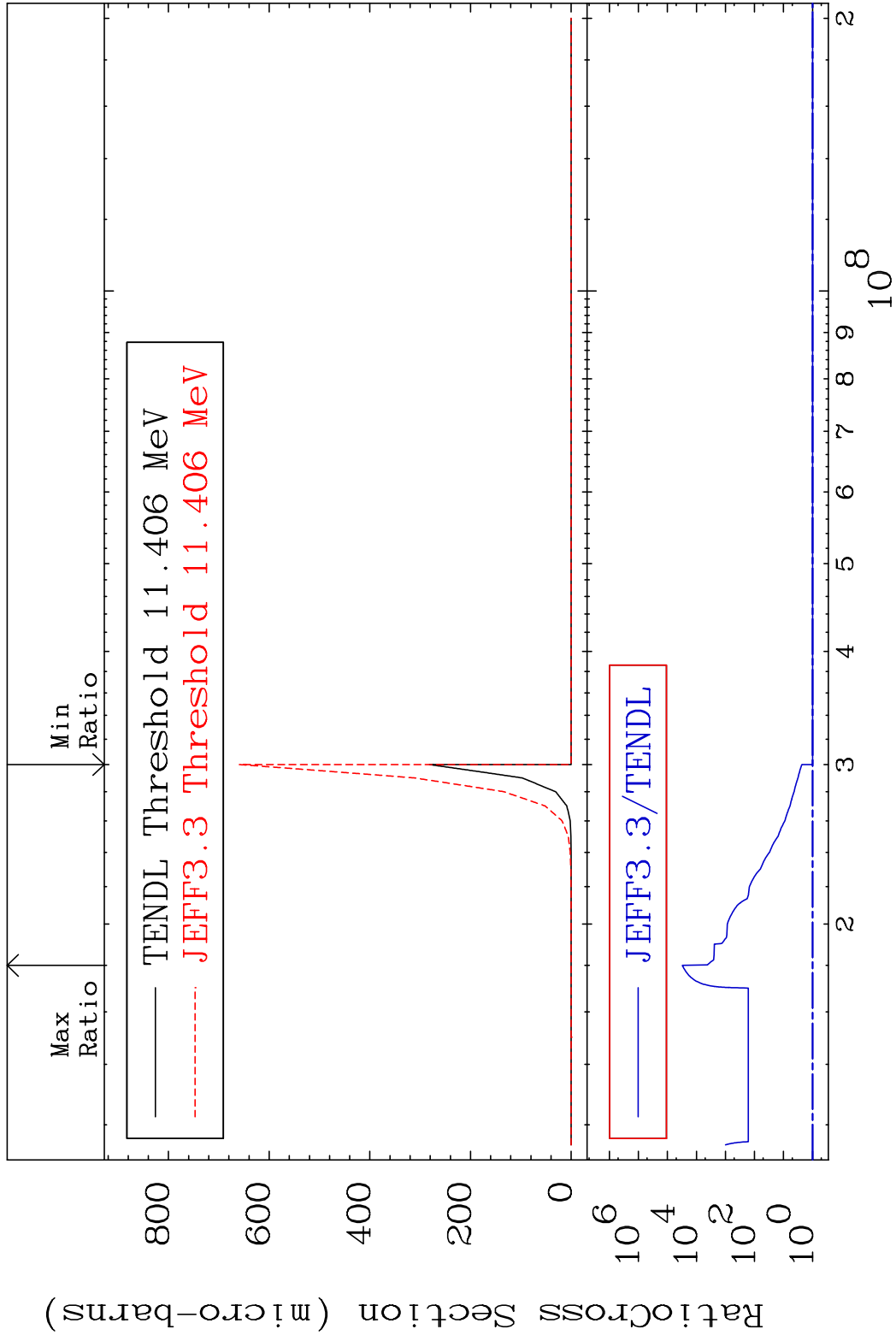
75-Re-187

MAT 7531

(n,3n) α

75-Re-187

Cross Section 0.000 To 9999. %



10

Incident Energy (eV)

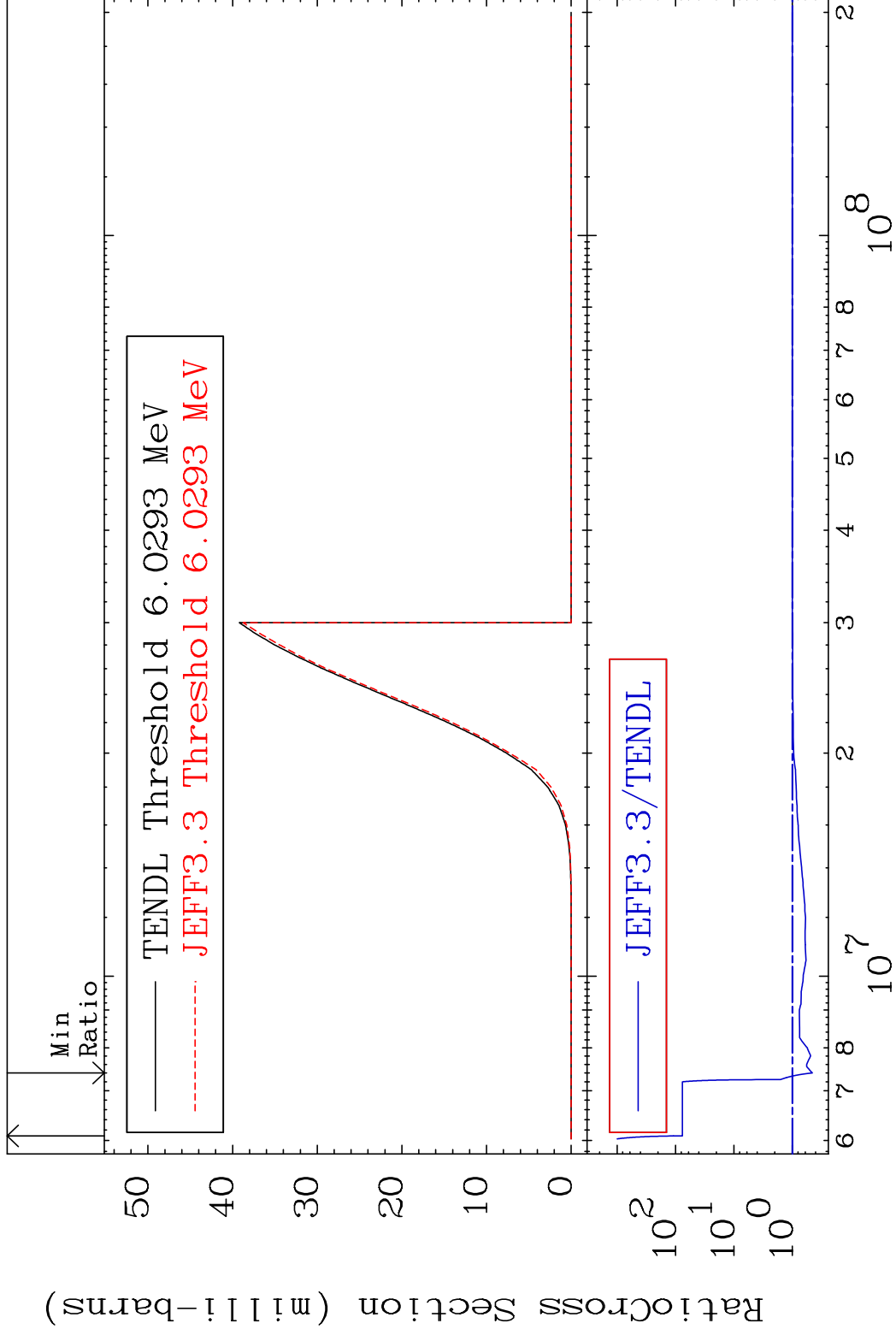
75-Re-187

MAT 7531

(n, n') p

75-Re-187

Cross Section -54.98 To 7529. %



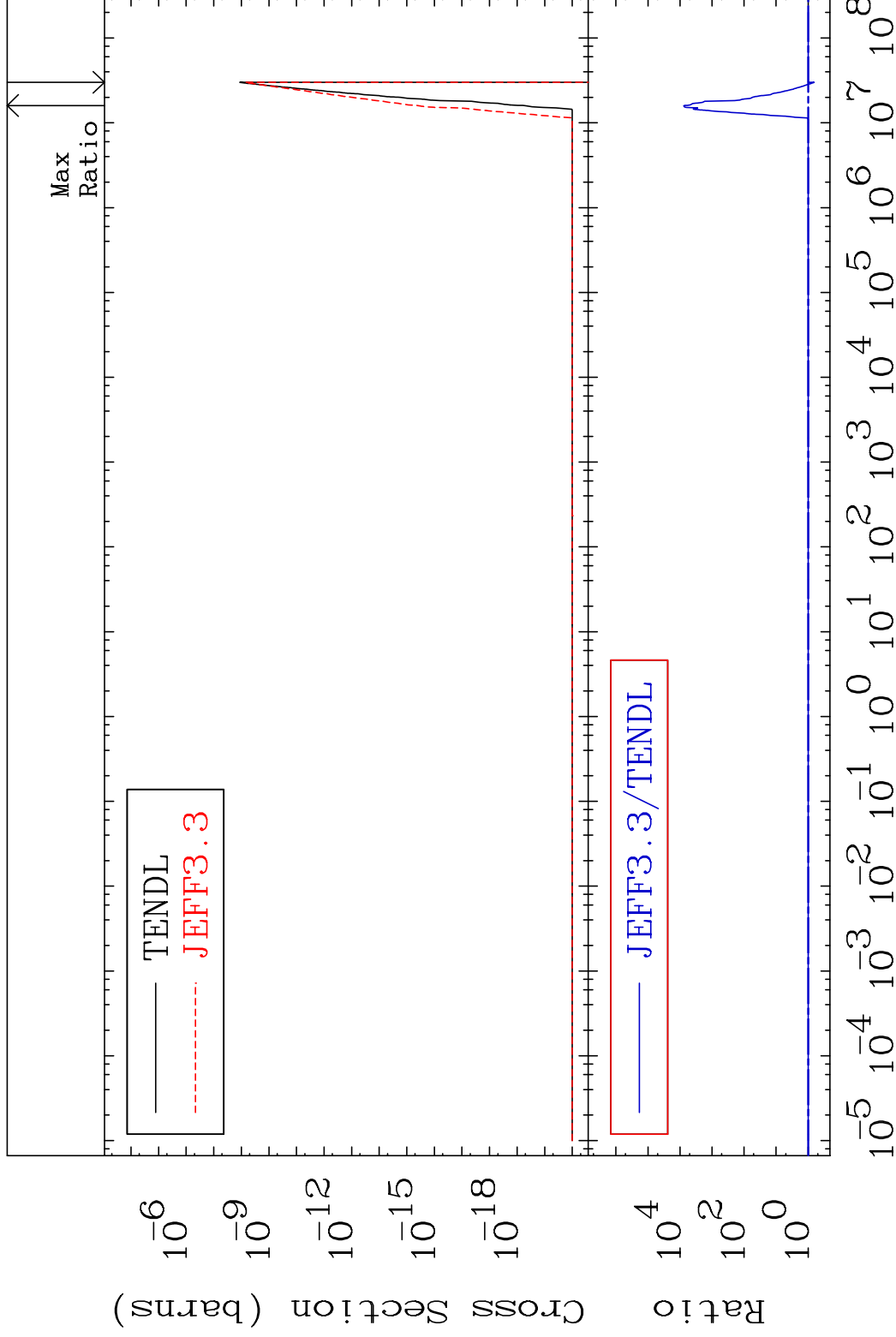
MAT 7531

(n, n') 2α

75-Re-187

Cross Section

-34.80 To 9999. %

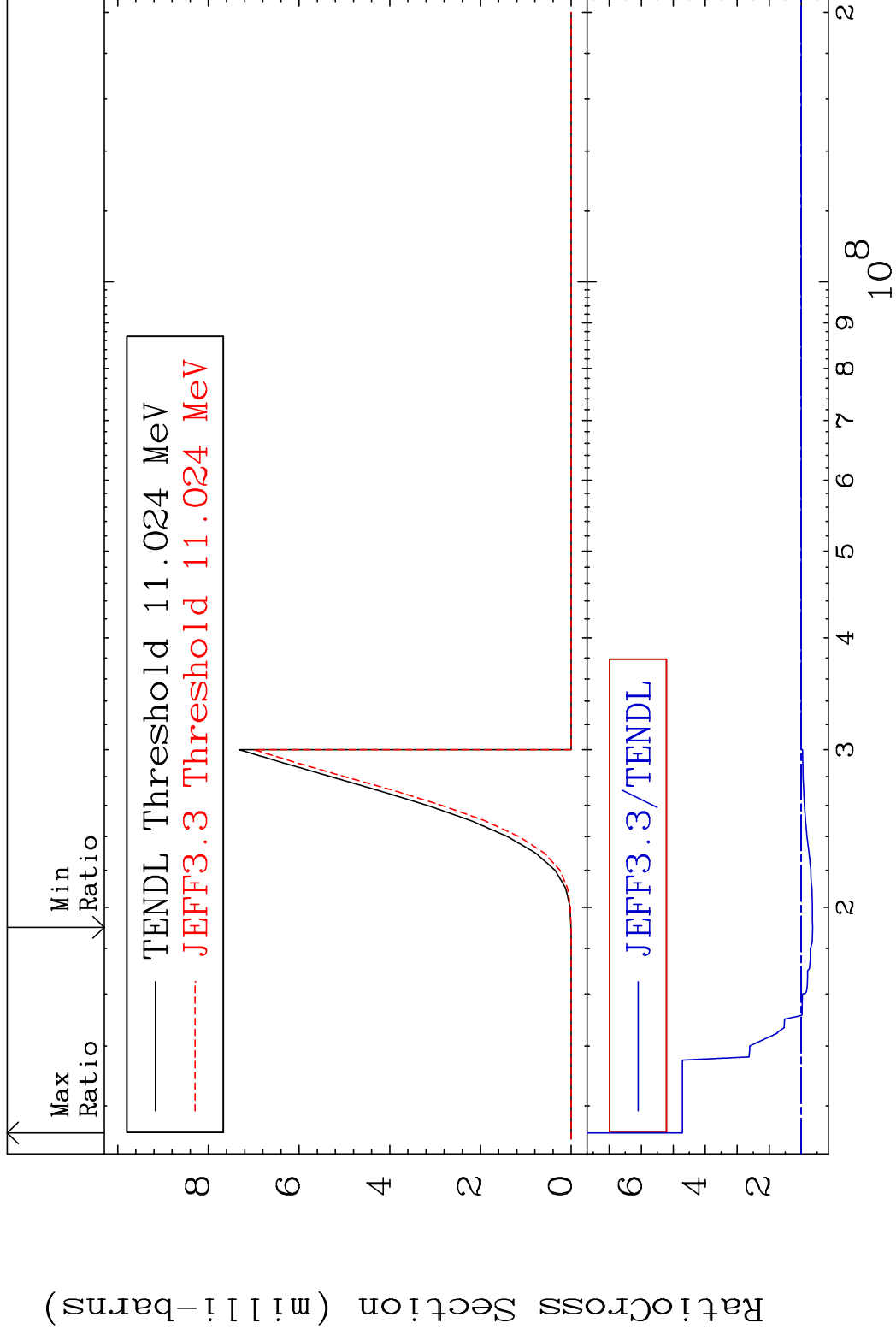


MAT 7531

(n, n') d

75-Re-187

Cross Section -35.52 To 371.5 %

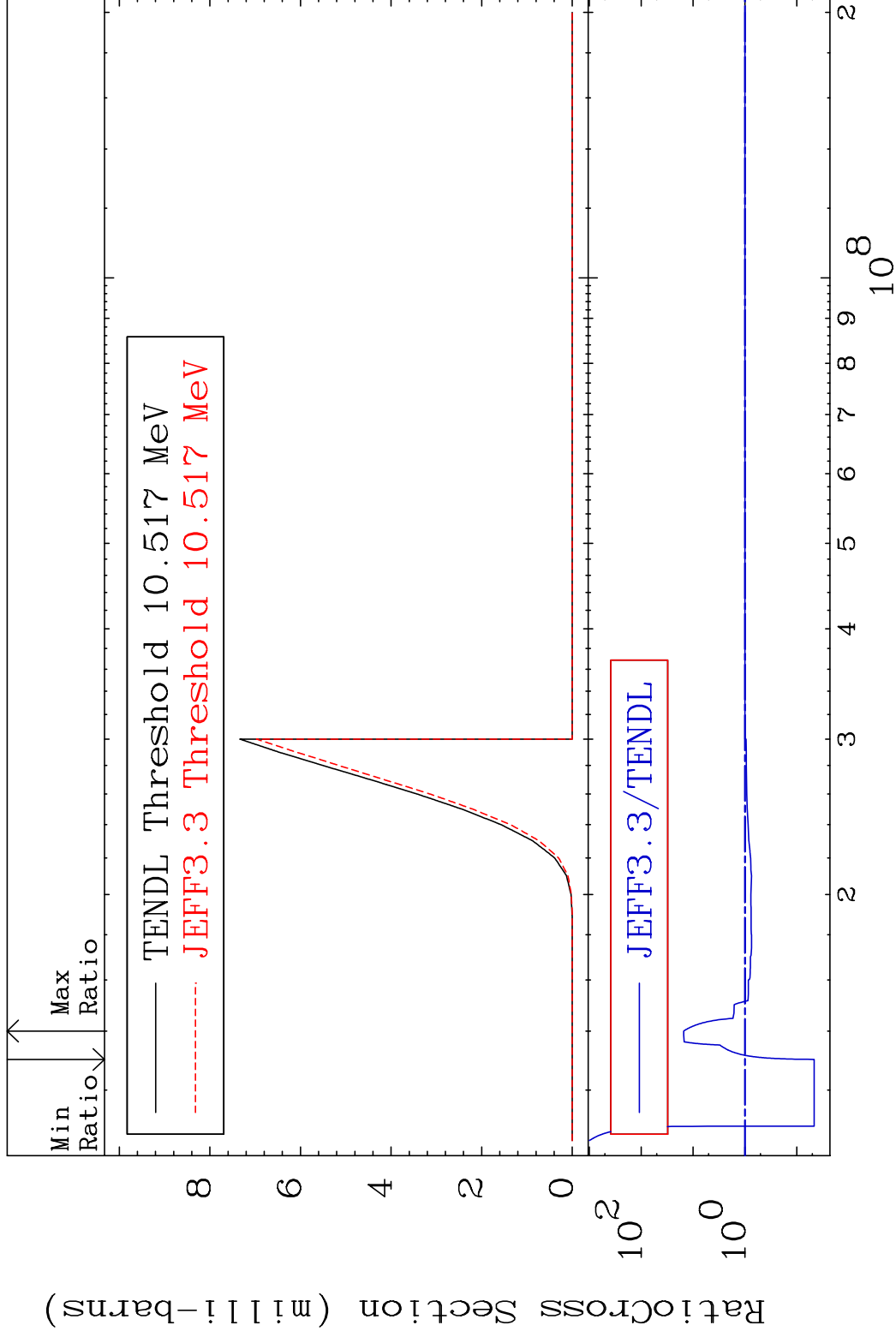


MAT 7531

(n, n') t

75-Re-187

Cross Section -95.37 To 1412. %

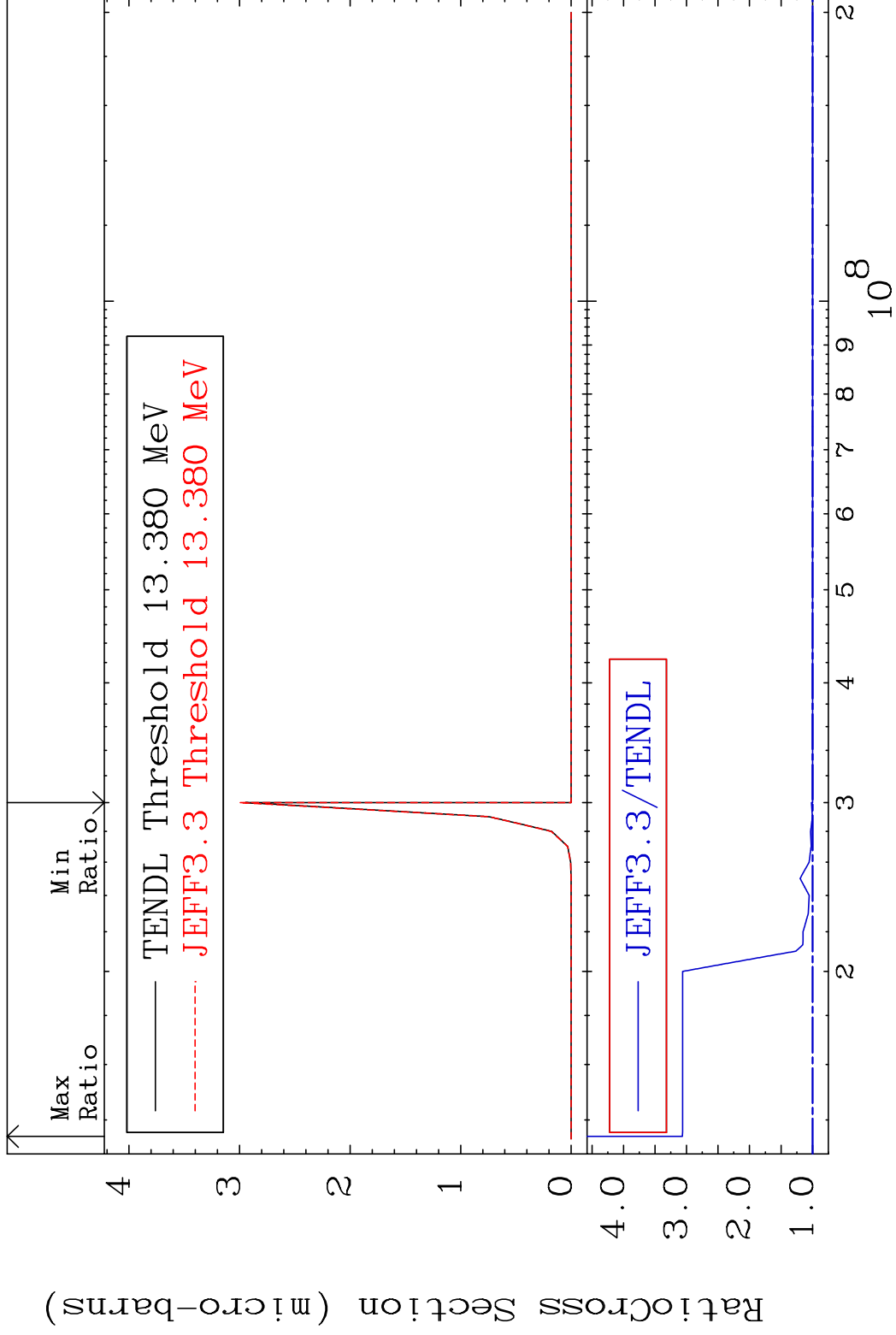


MAT 7531

(n,n') He-3

75-Re-187

Cross Section 0.000 To 206.6 %

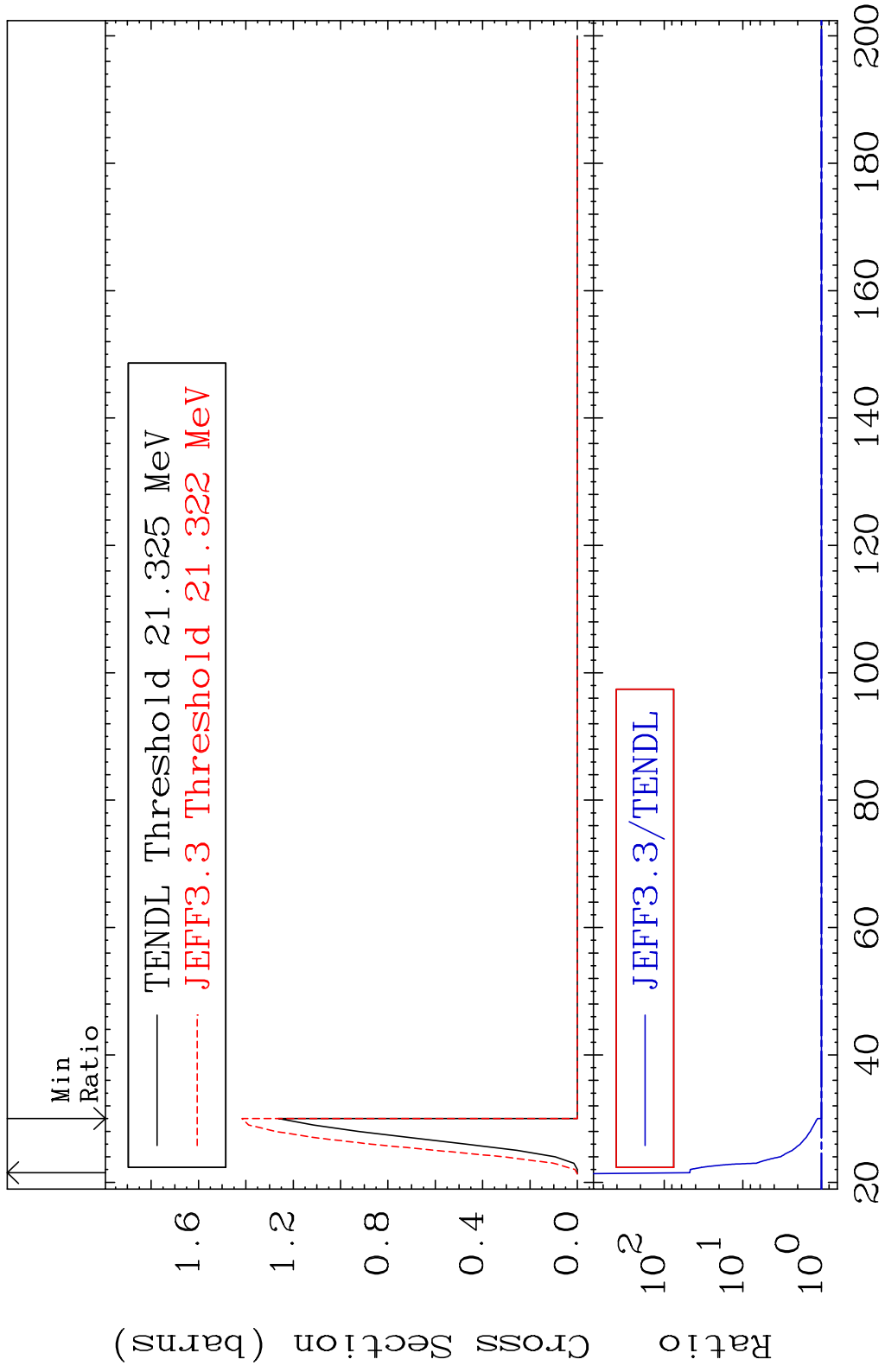


MAT 7531

(n,4n)

75-Re-187

Cross Section 0.000 To 4626. %

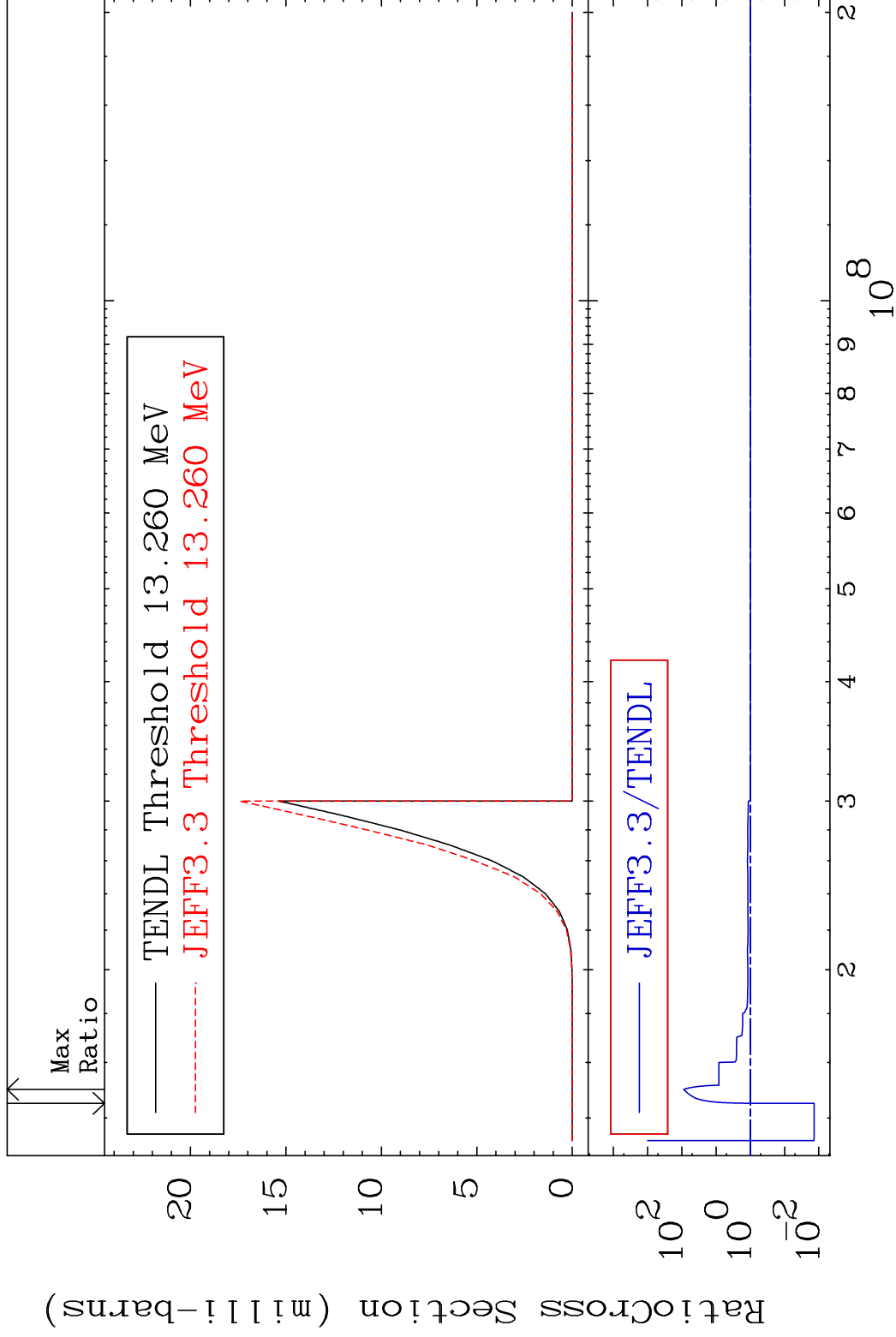


MAT 7531

(n,2n) p

75-Re-187

Cross Section -98.63 To 8772. %



17

Incident Energy (eV)

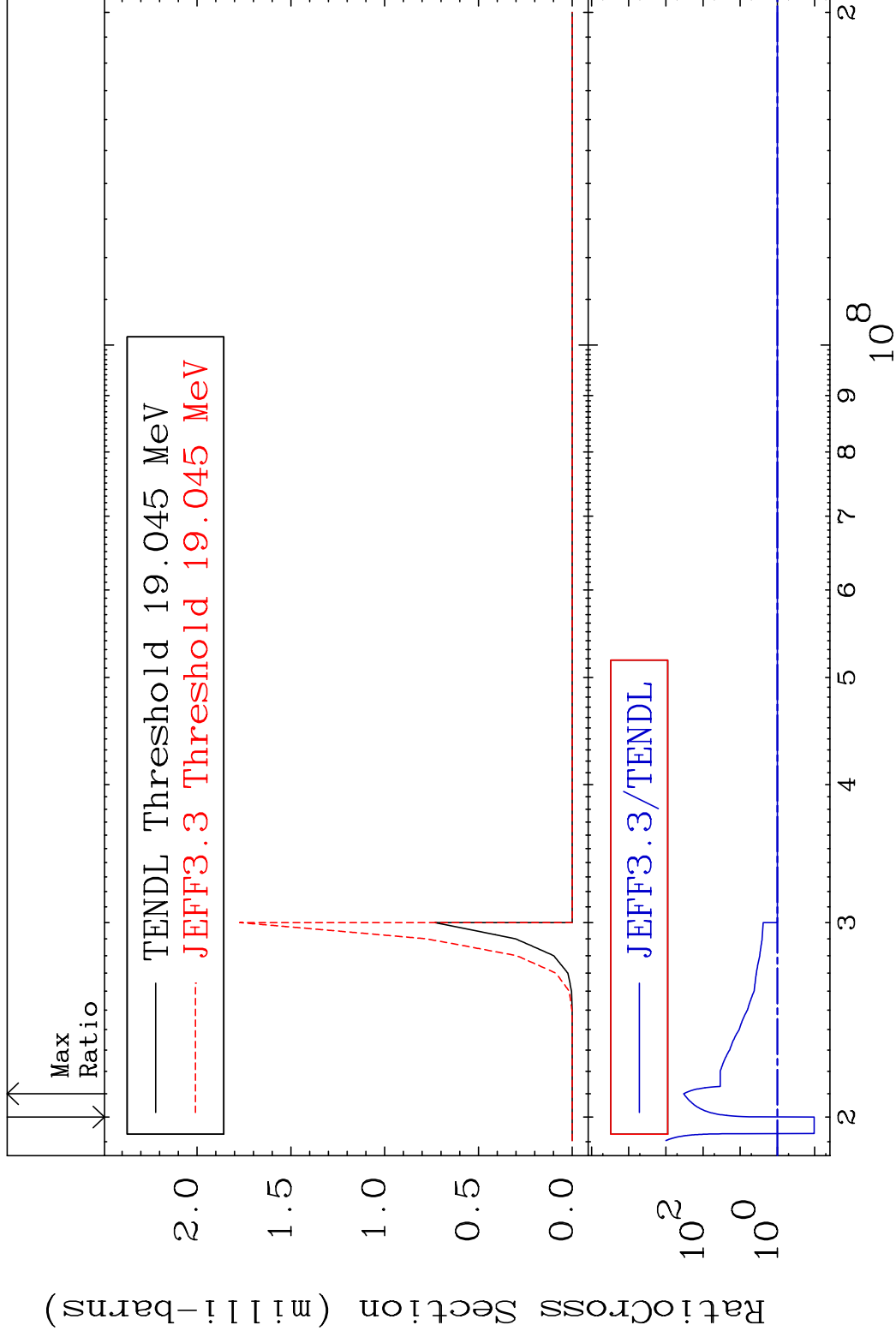
75-Re-187

MAT 7531

(n,3n) p

75-Re-187

Cross Section -89.71 To 9999. %

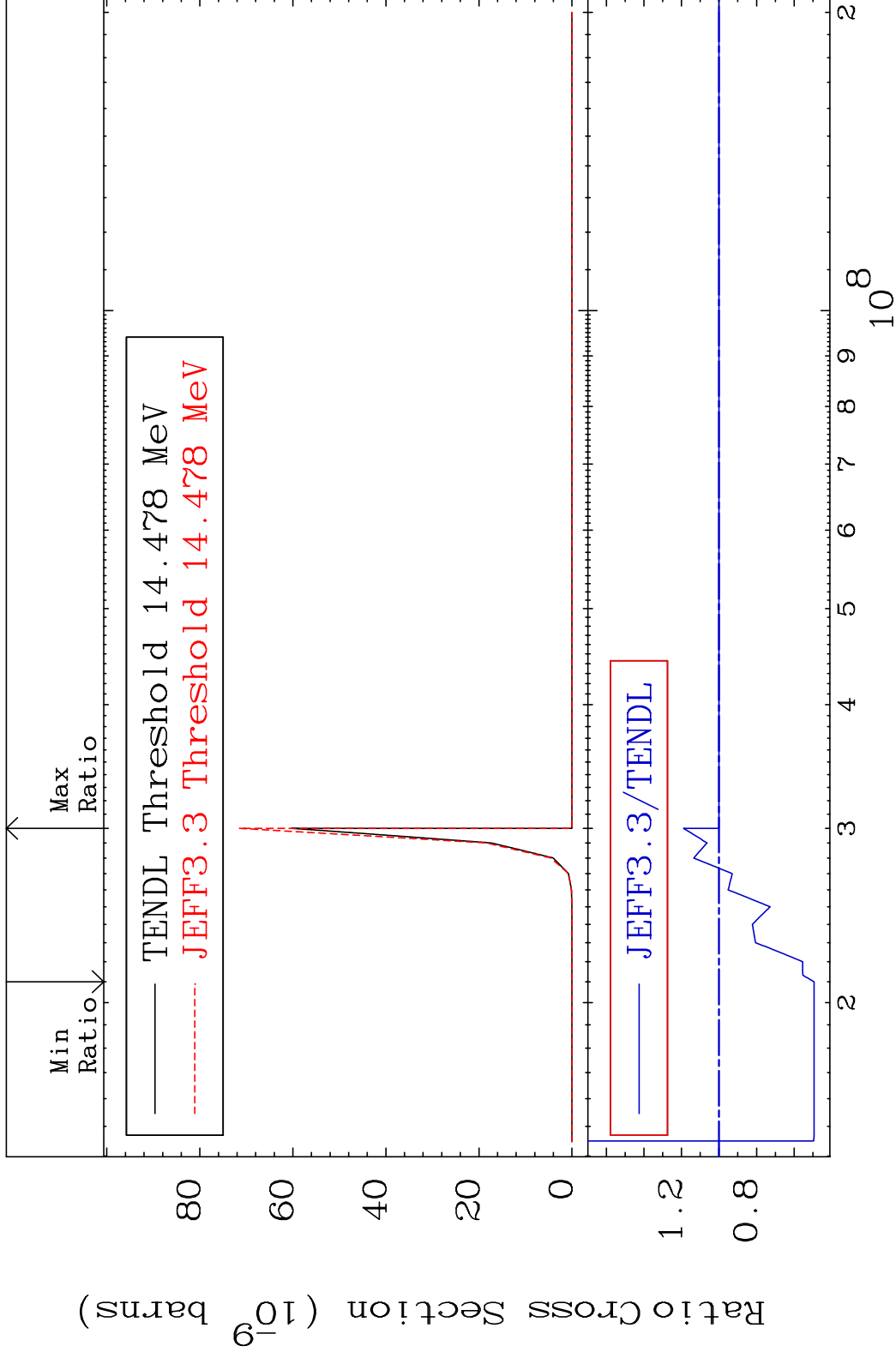


MAT 7531

(n,2n) p

75-Re-187

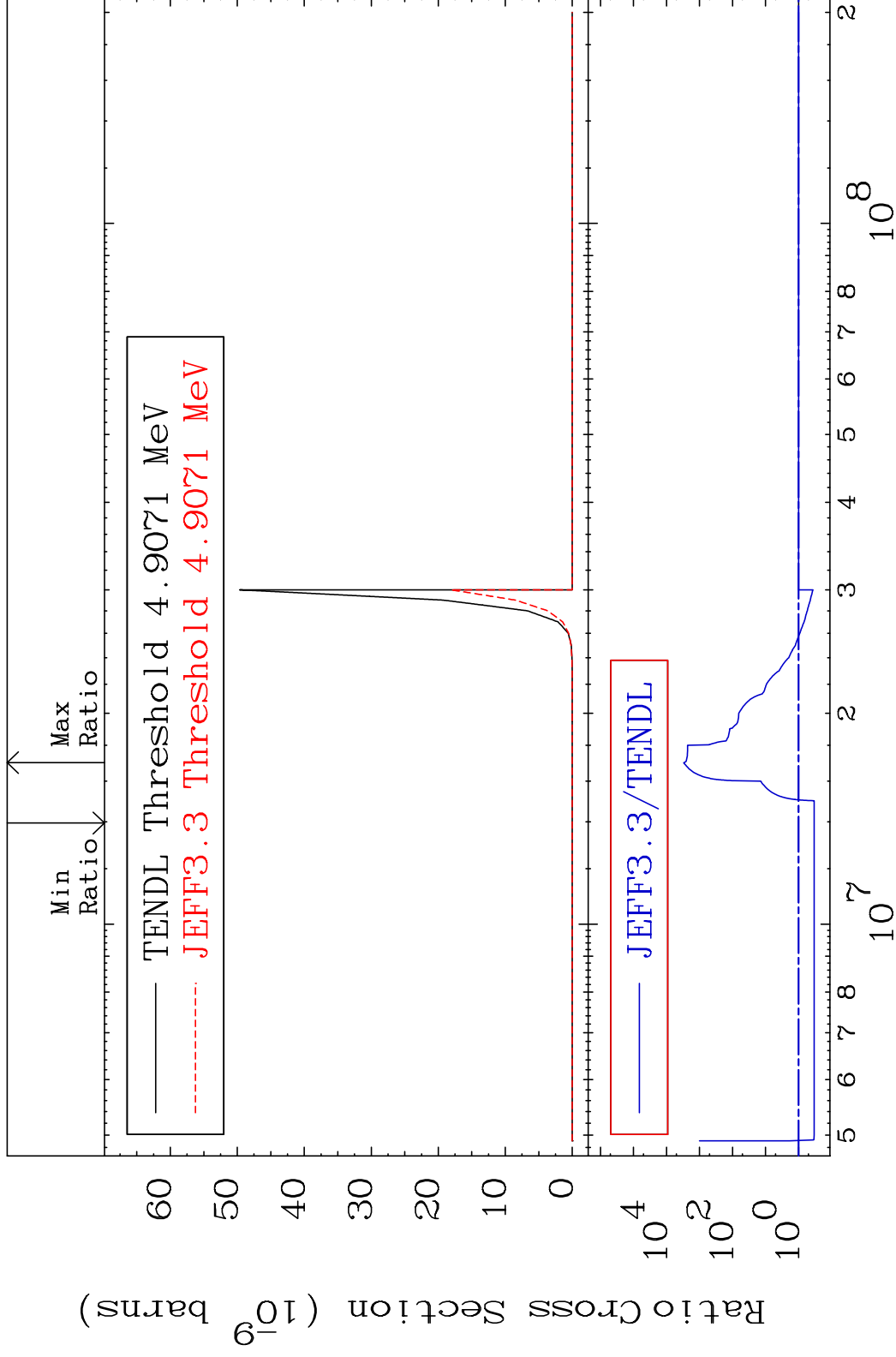
Cross Section -50.61 To 18.95 %



MAT 7531

(n,n') p α 75-Re-187

Cross Section -66.26 To 9999. %

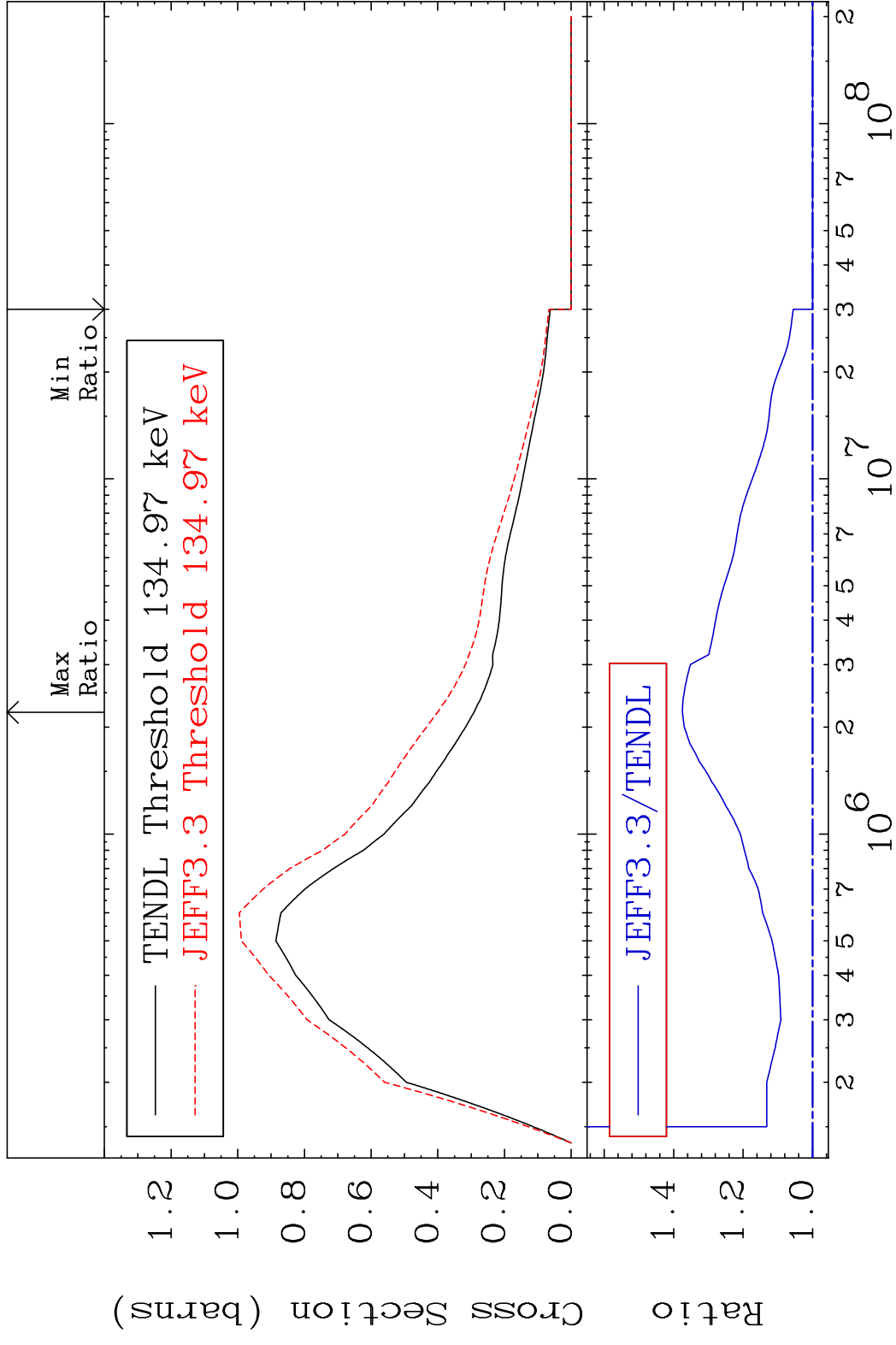


20

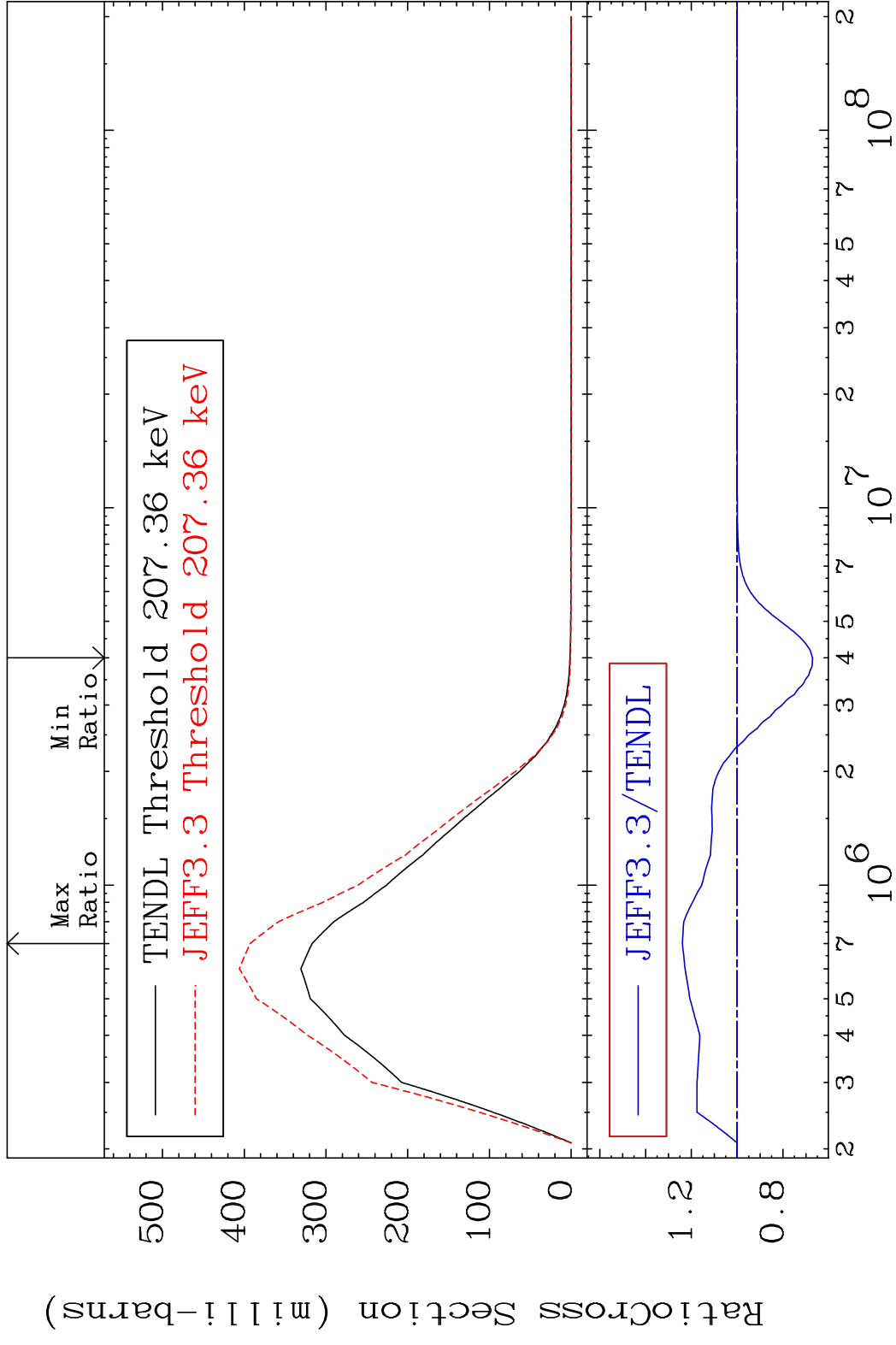
Incident Energy (eV)

75-Re-187

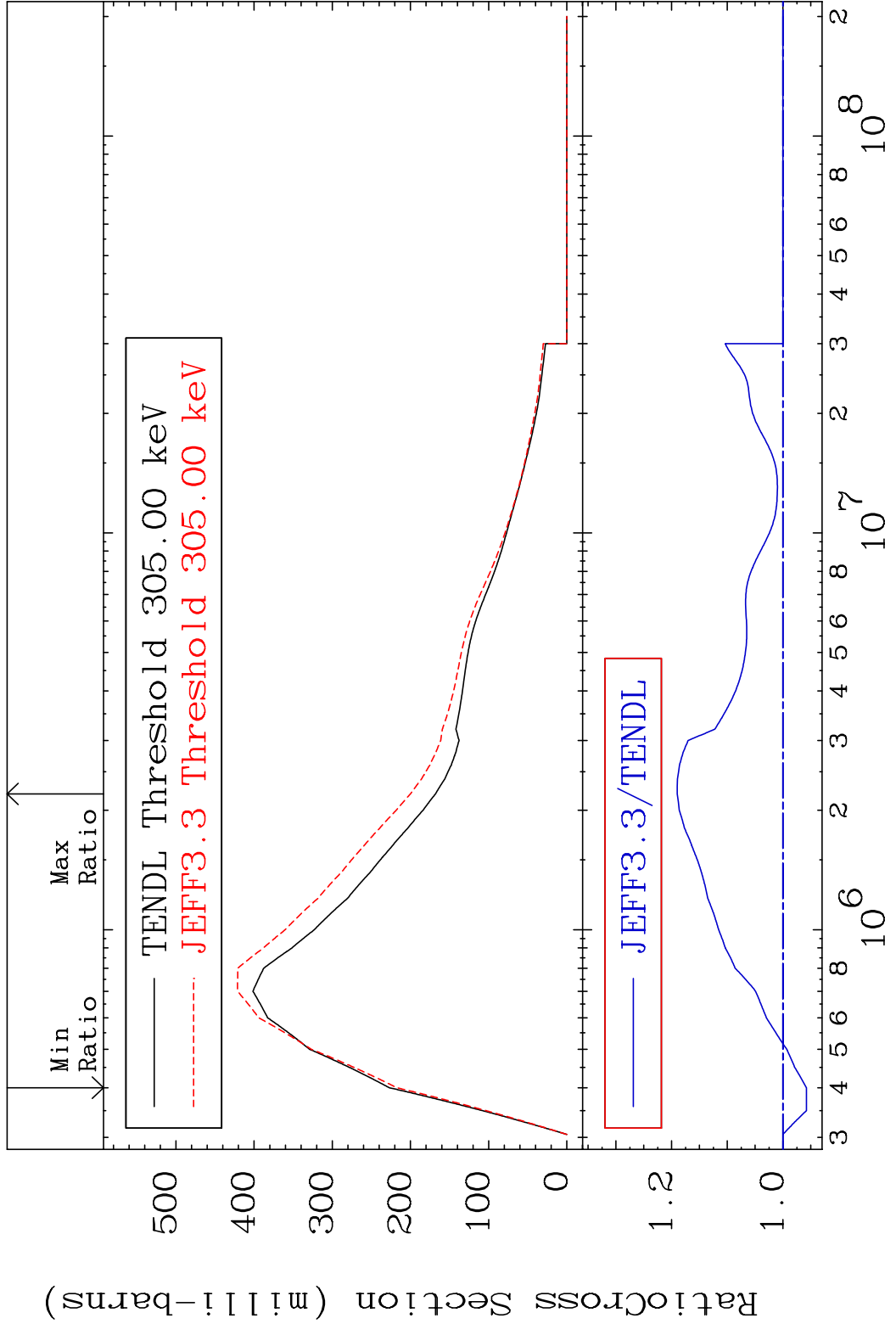
MAT 7531 MT= 51 (n, n') Level 75-Re-187
 Cross Section 0.000 To 37.50 %



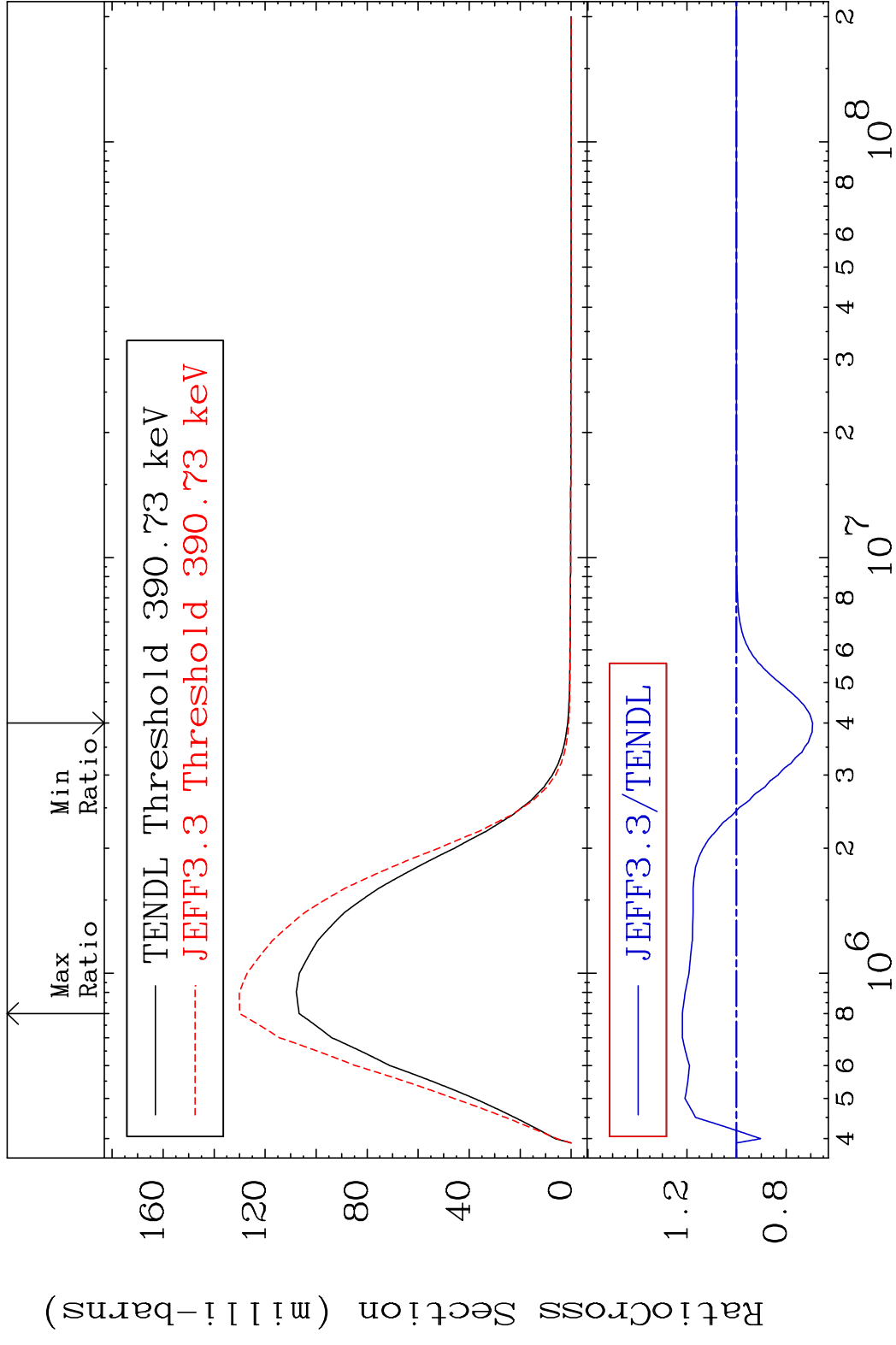
MAT 7531 MT= 52 (n,n') Level 75-Re-187
 Cross Section -32.90 To 23.95 %



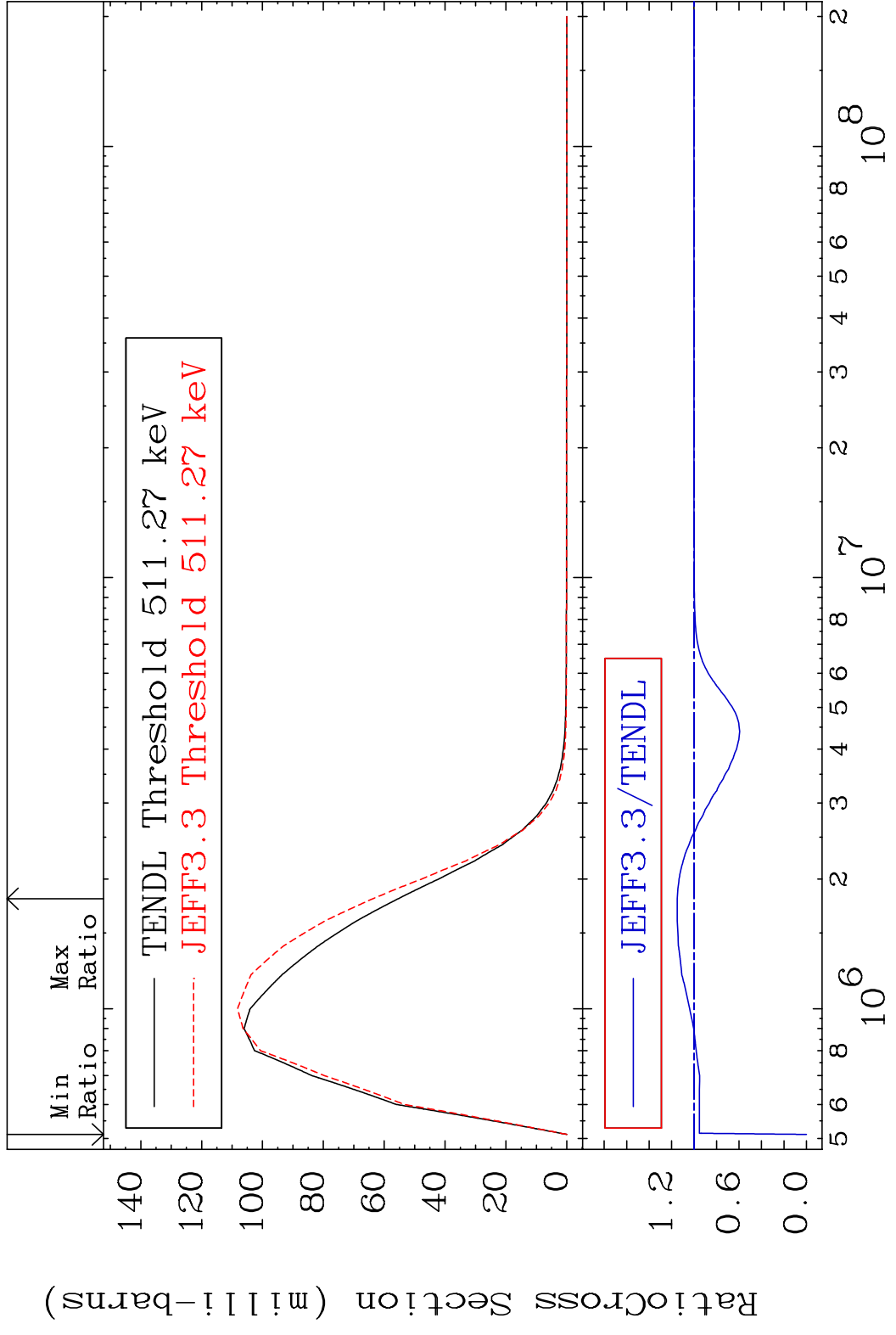
MAT 7531 MT= 53 (n, n') Level 75-Re-187
 Cross Section -4.217 To 19.00 %



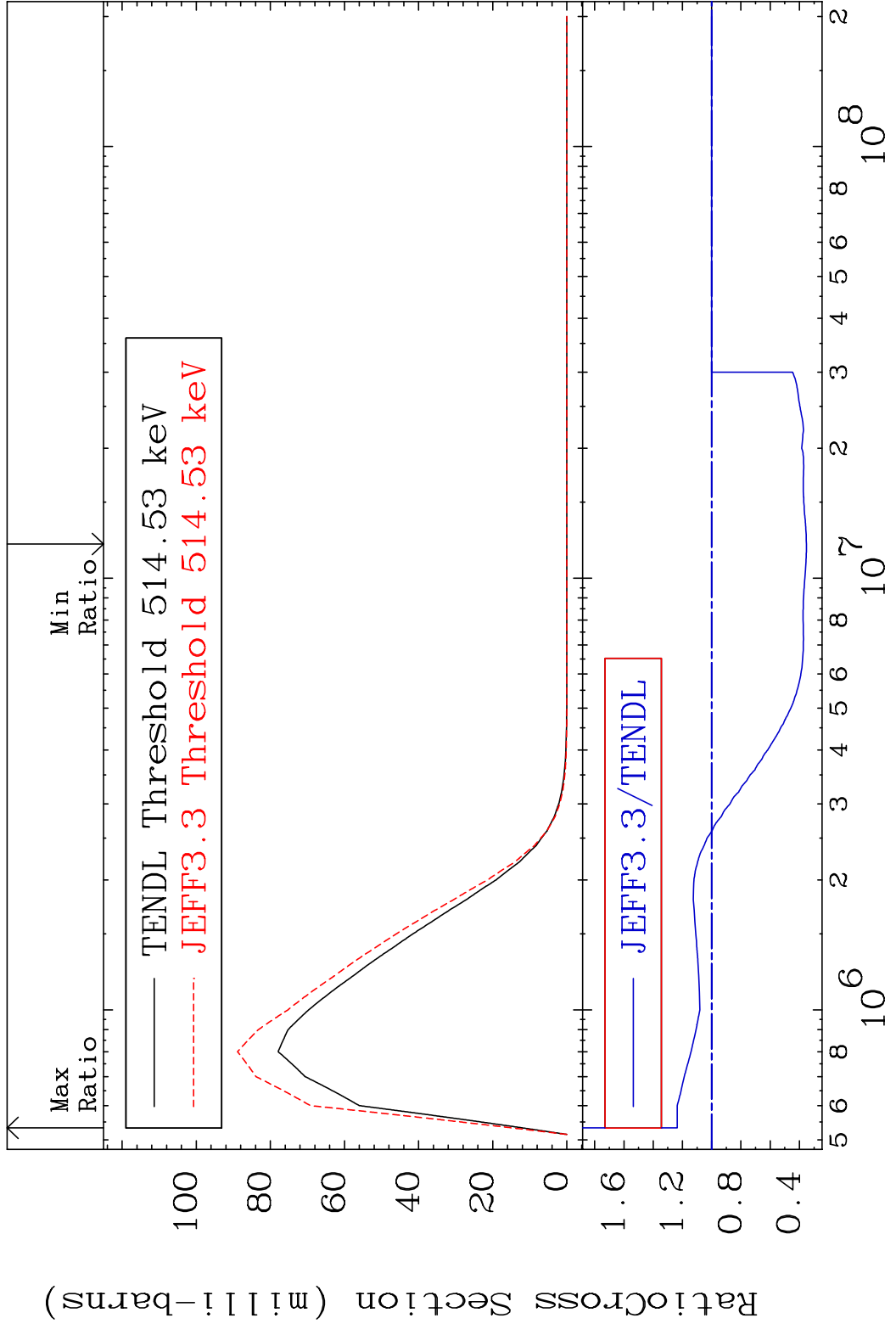
MAT 7531 MT= 54 (n,n') Level 75-Re-187
 Cross Section -30.69 To 21.87 %



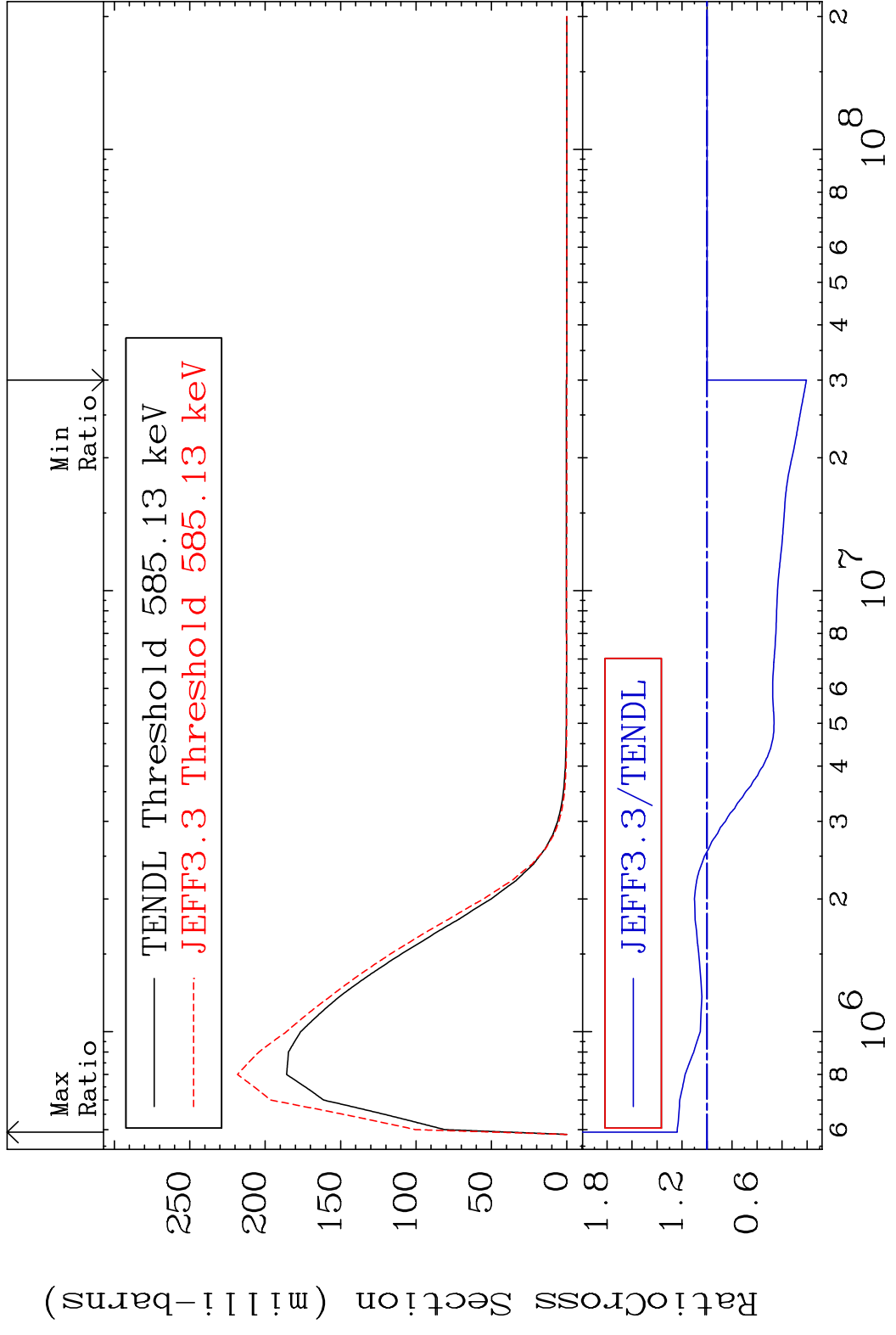
MAT 7531 MT= 55 (n,n') Level 75-Re-187
 Cross Section -100.0 To 15.04 %



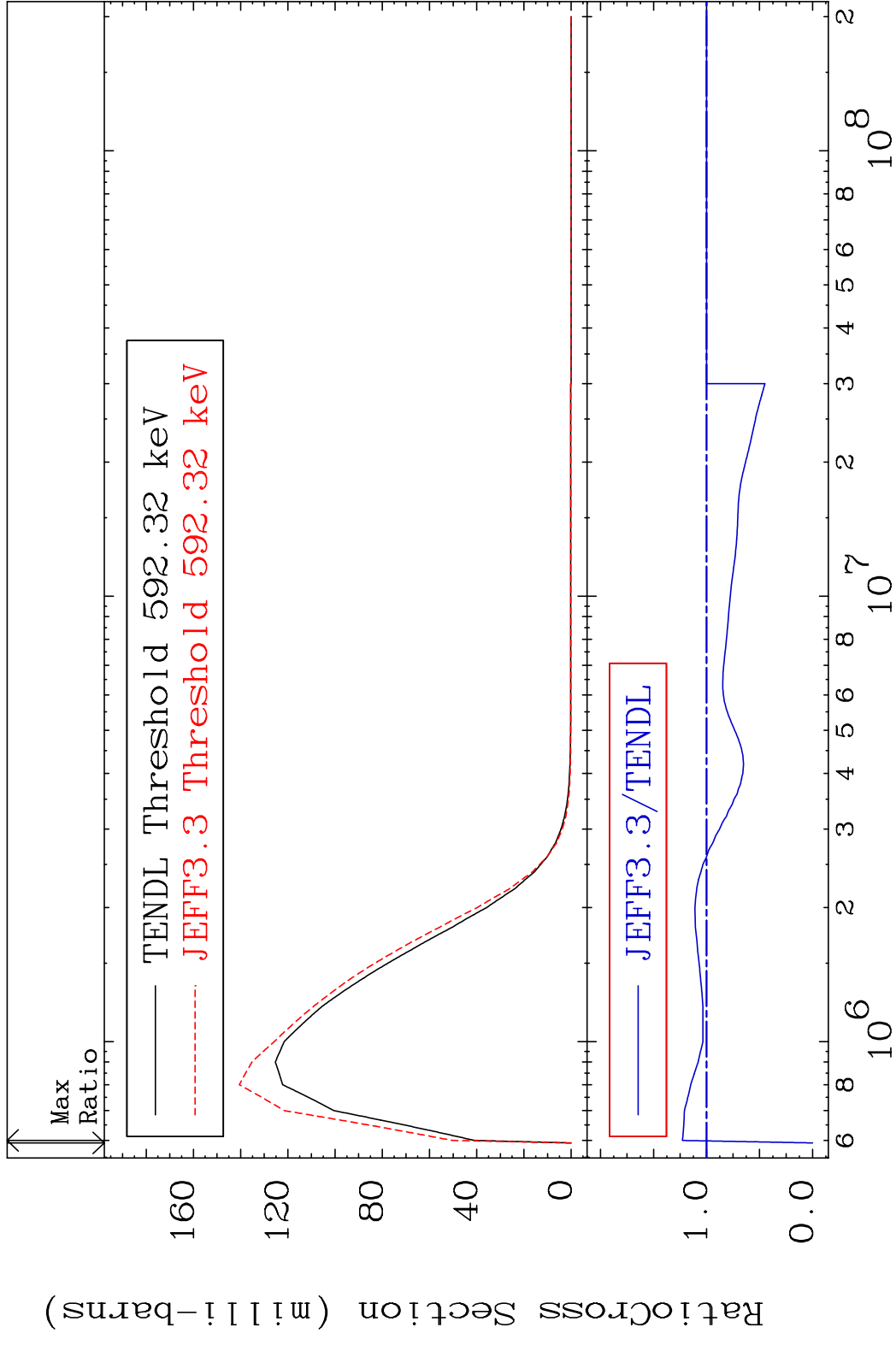
MAT 7531 MT= 56 (n,n') Level 75-Re-187
 Cross Section -64.78 To 23.59 %



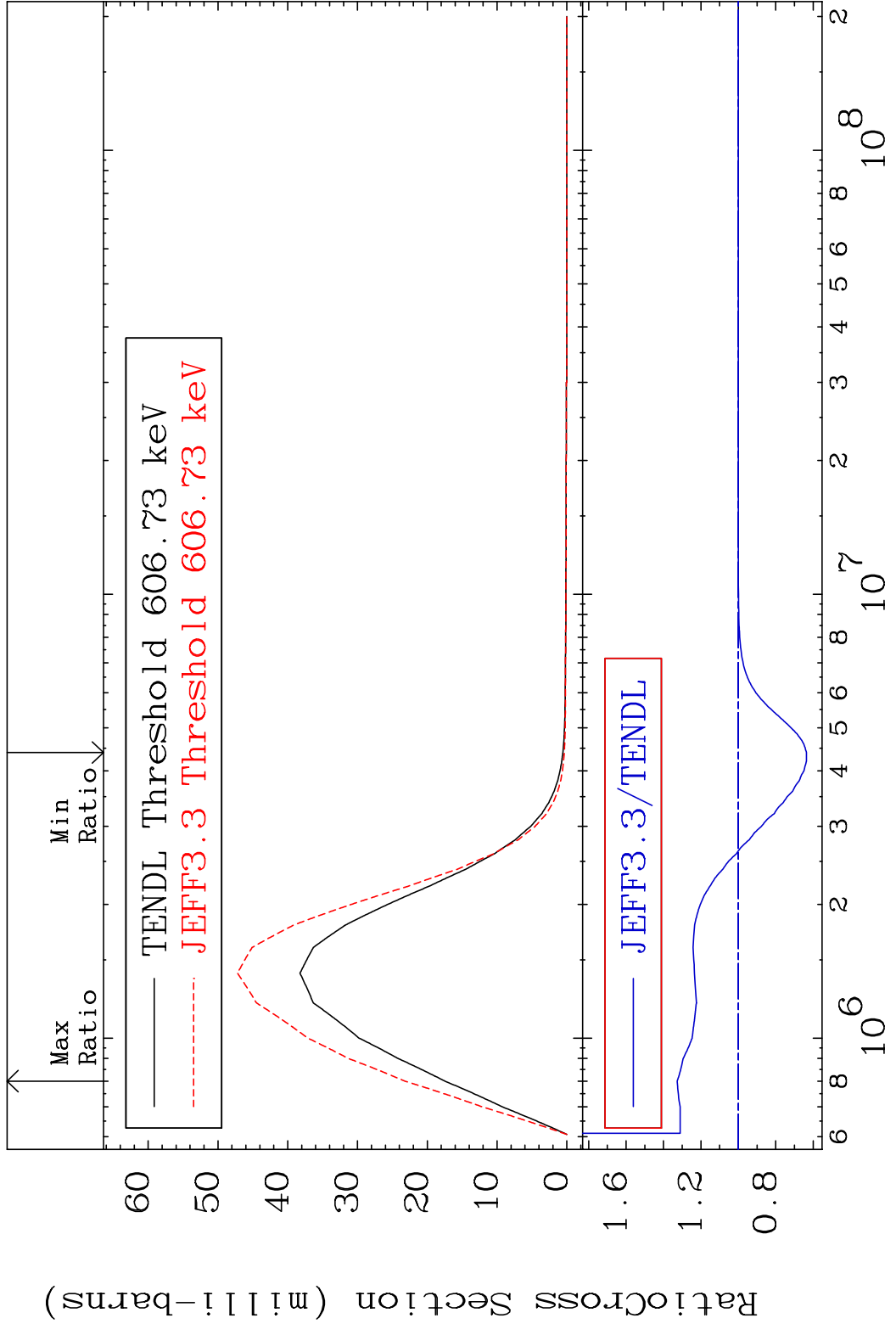
MAT 7531 MT= 57 (n, n') Level 75-Re-187
 Cross Section -79.50 To 23.83 %



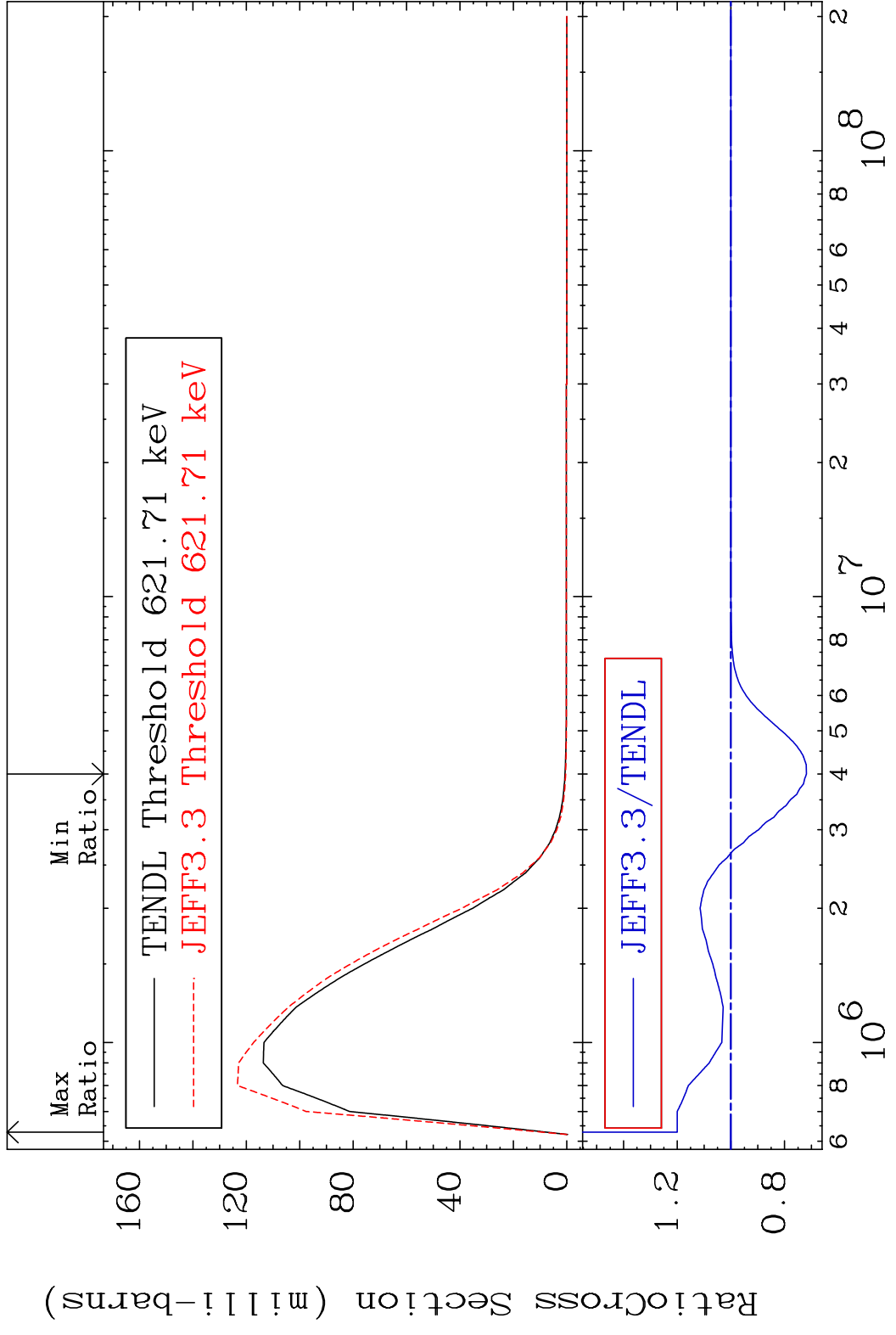
MAT 7531 MT= 58 (n, n') Level 75-Re-187
 Cross Section -100.0 To 22.85 %



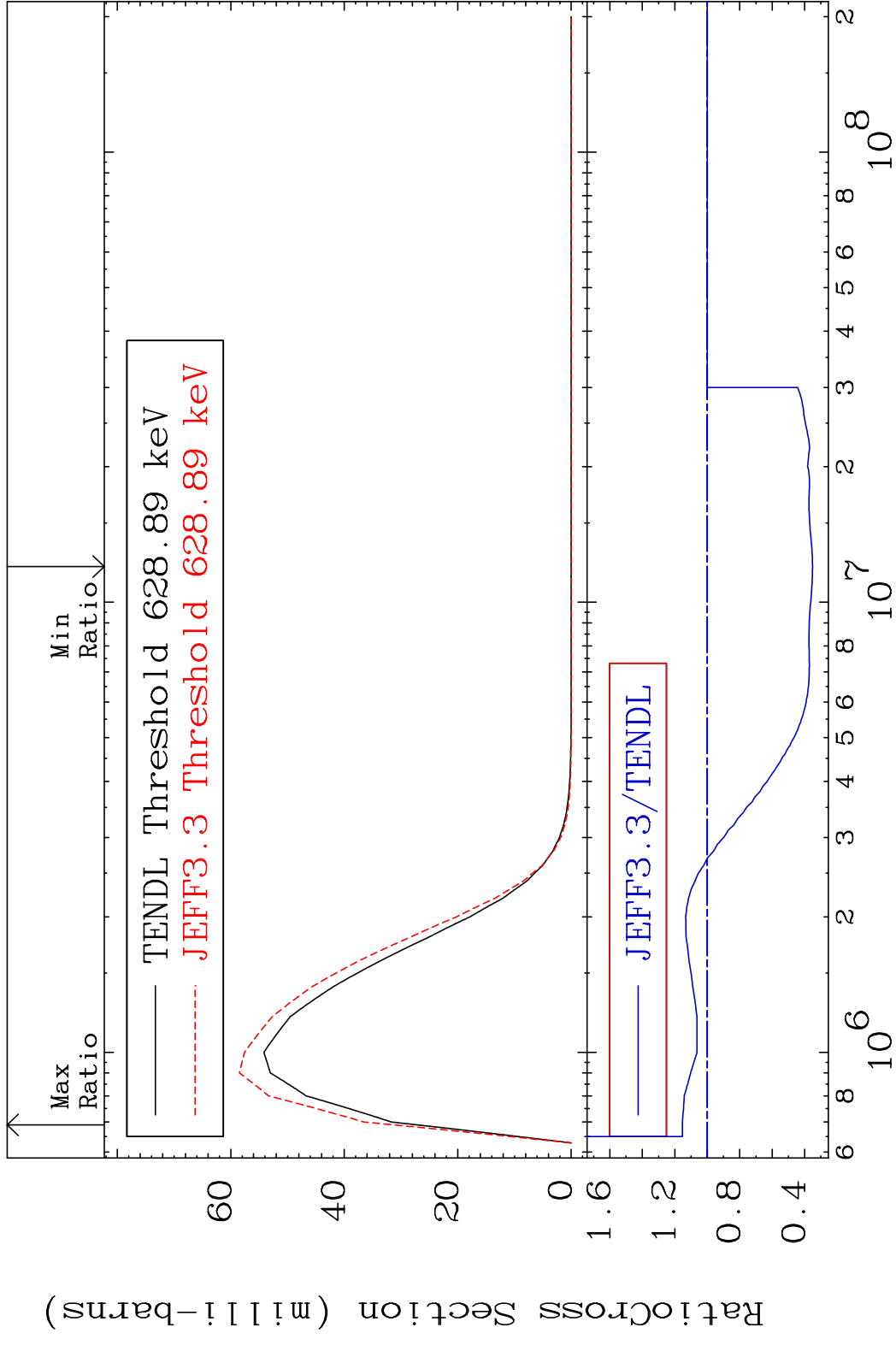
MAT 7531 MT= 59 (n,n') Level 75-Re-187
 Cross Section -36.37 To 32.69 %



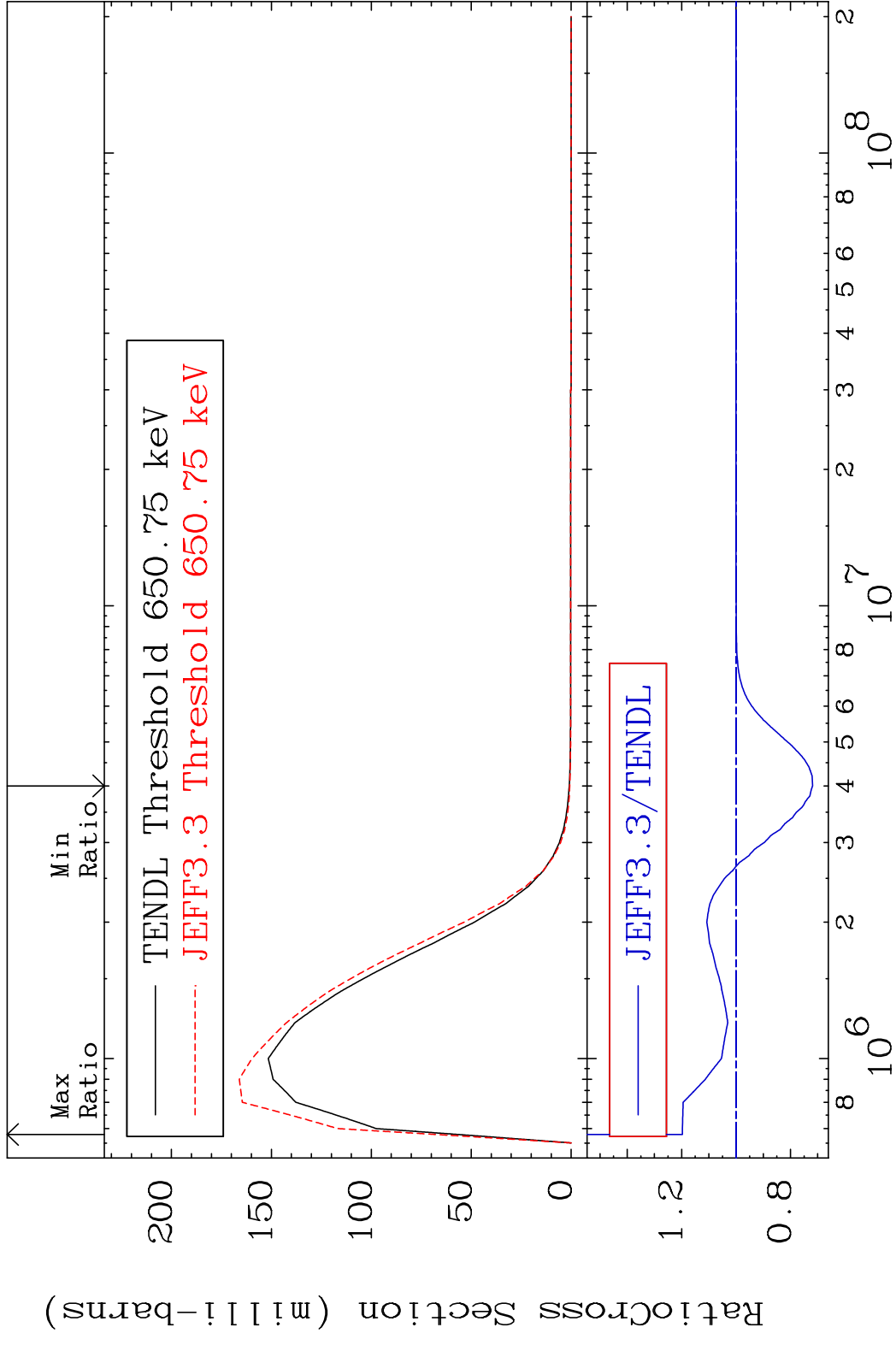
MAT 7531 MT= 60 (n, n') Level 75-Re-187
 Cross Section -28.13 To 20.02 %



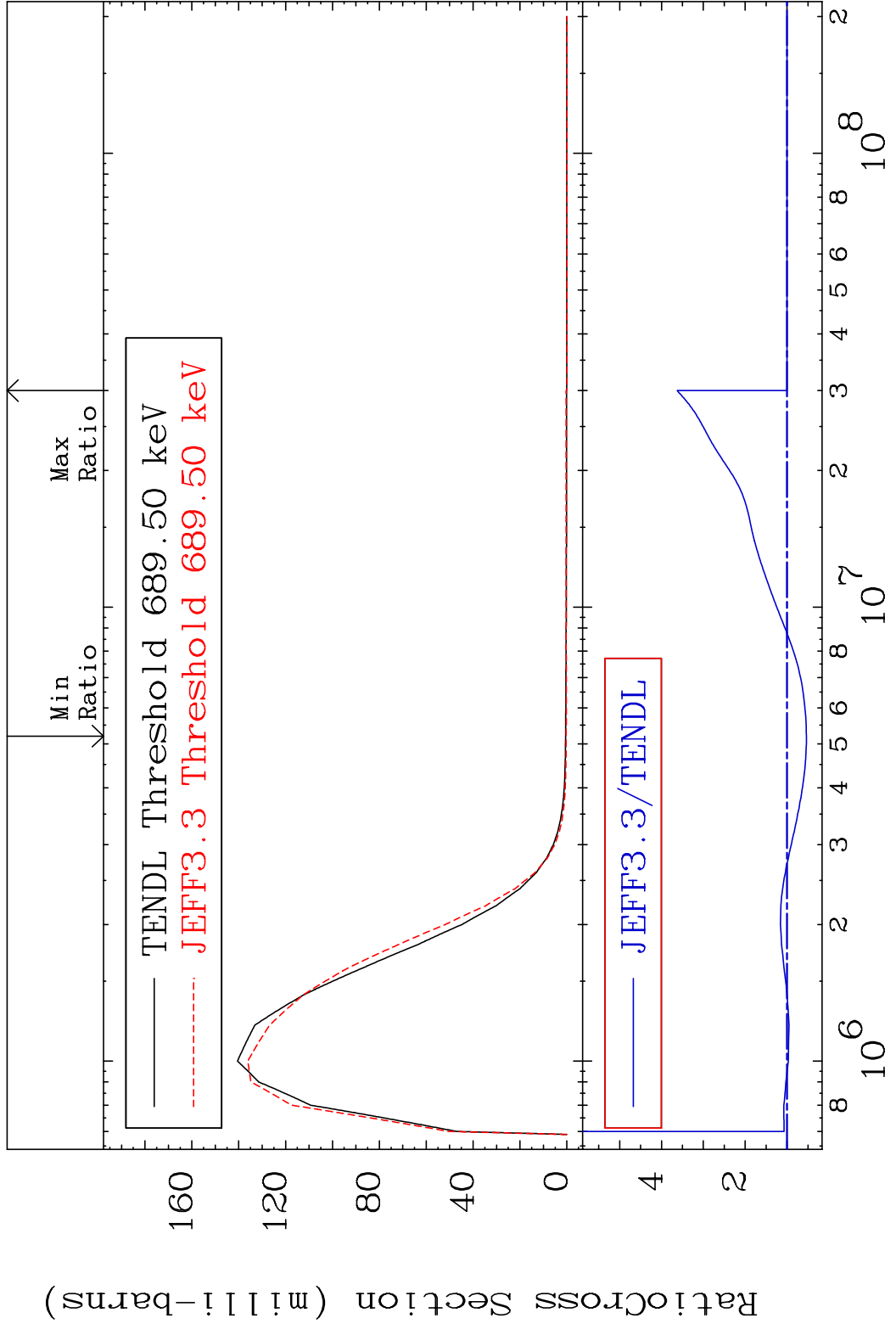
MAT 7531 MT= 61 (n, n') Level 75-Re-187
 Cross Section -64.87 To 15.35 %



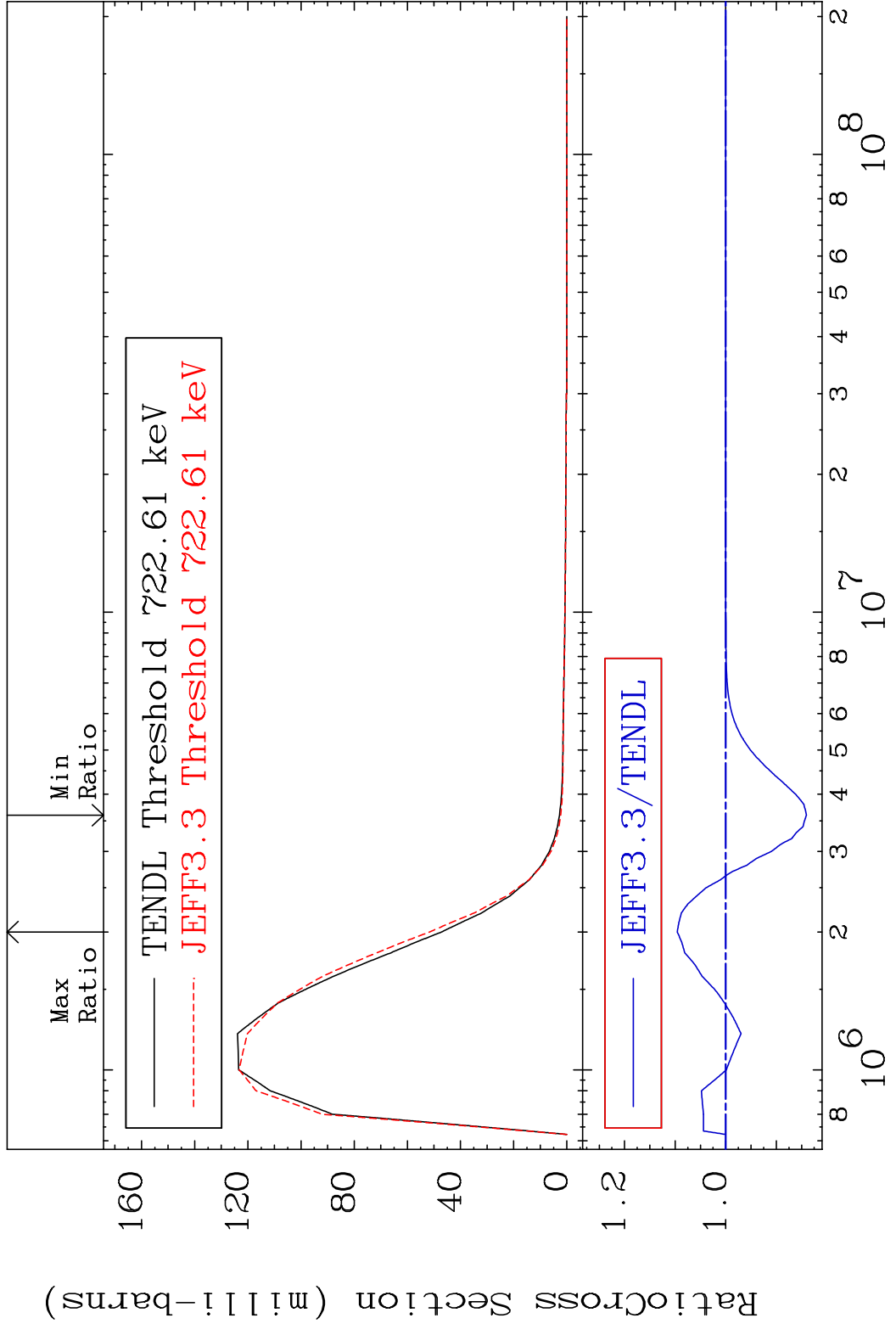
MAT 7531 MT= 62 (n, n') Level 75-Re-187
 Cross Section -28.10 To 19.74 %



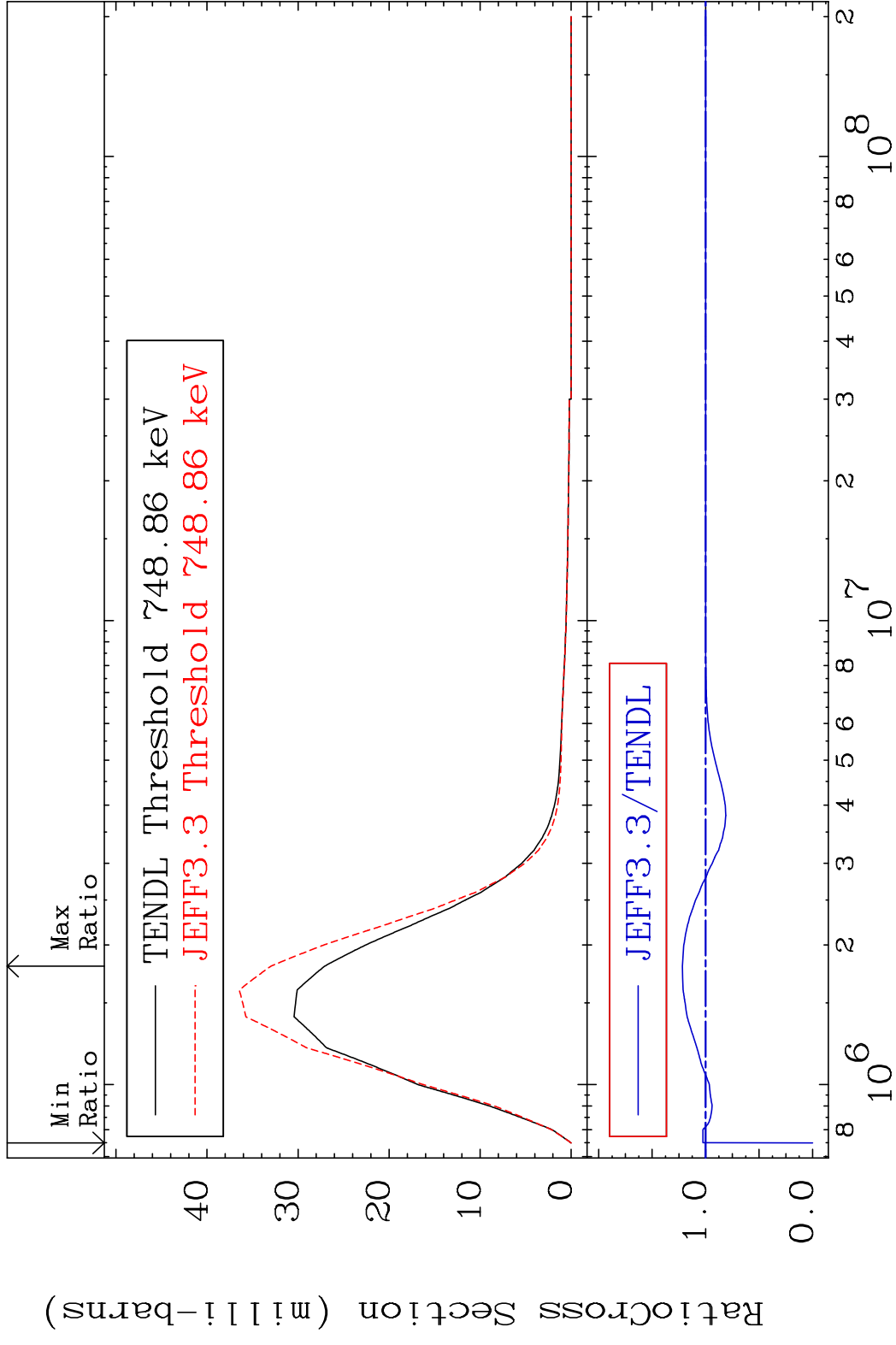
MAT 7531 MT= 63 (n, n') Level 75-Re-187
 Cross Section -46.36 To 262.5 %



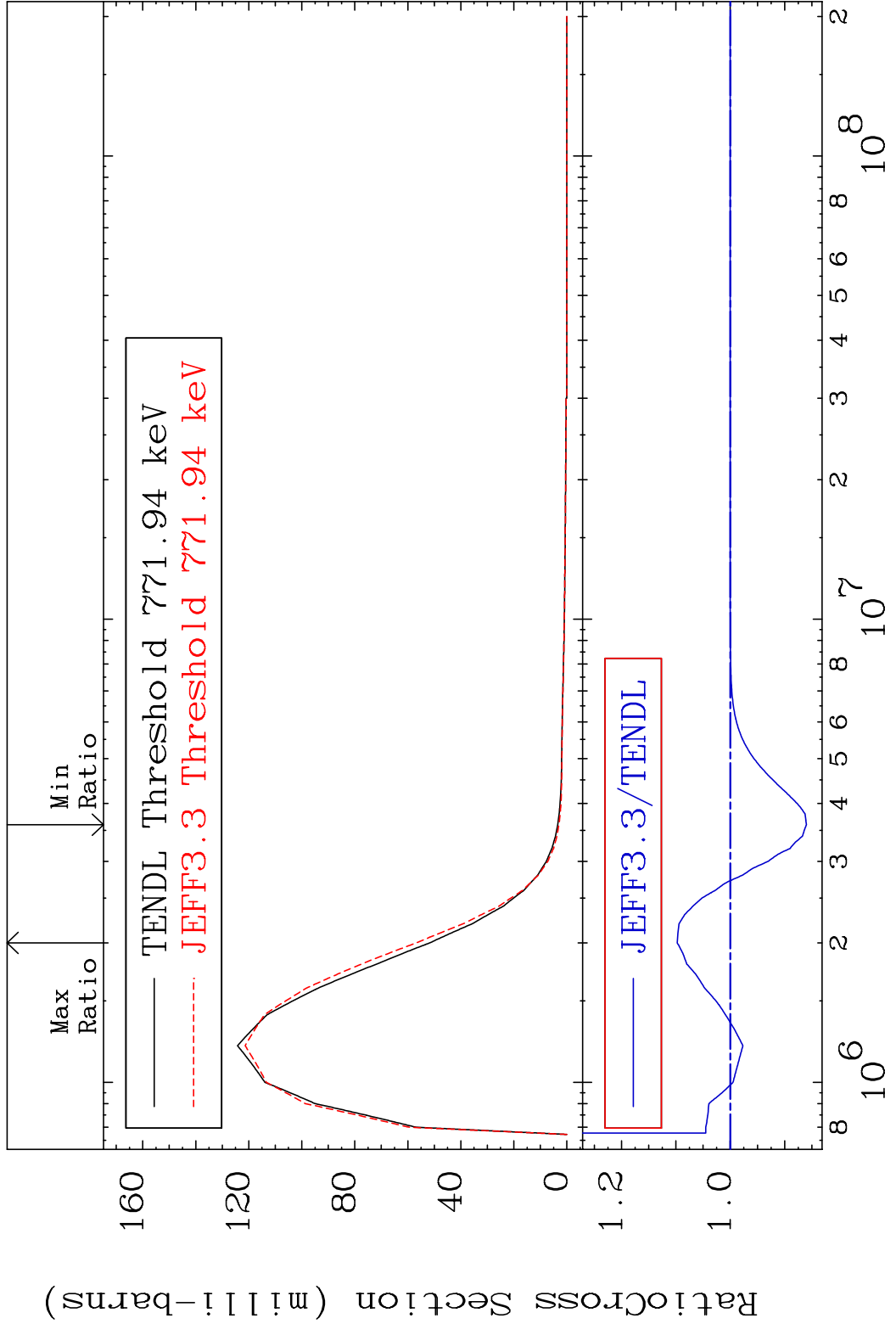
MAT 7531 MT= 64 (n, n') Level 75-Re-187
 Cross Section -15.95 To 9.595 %



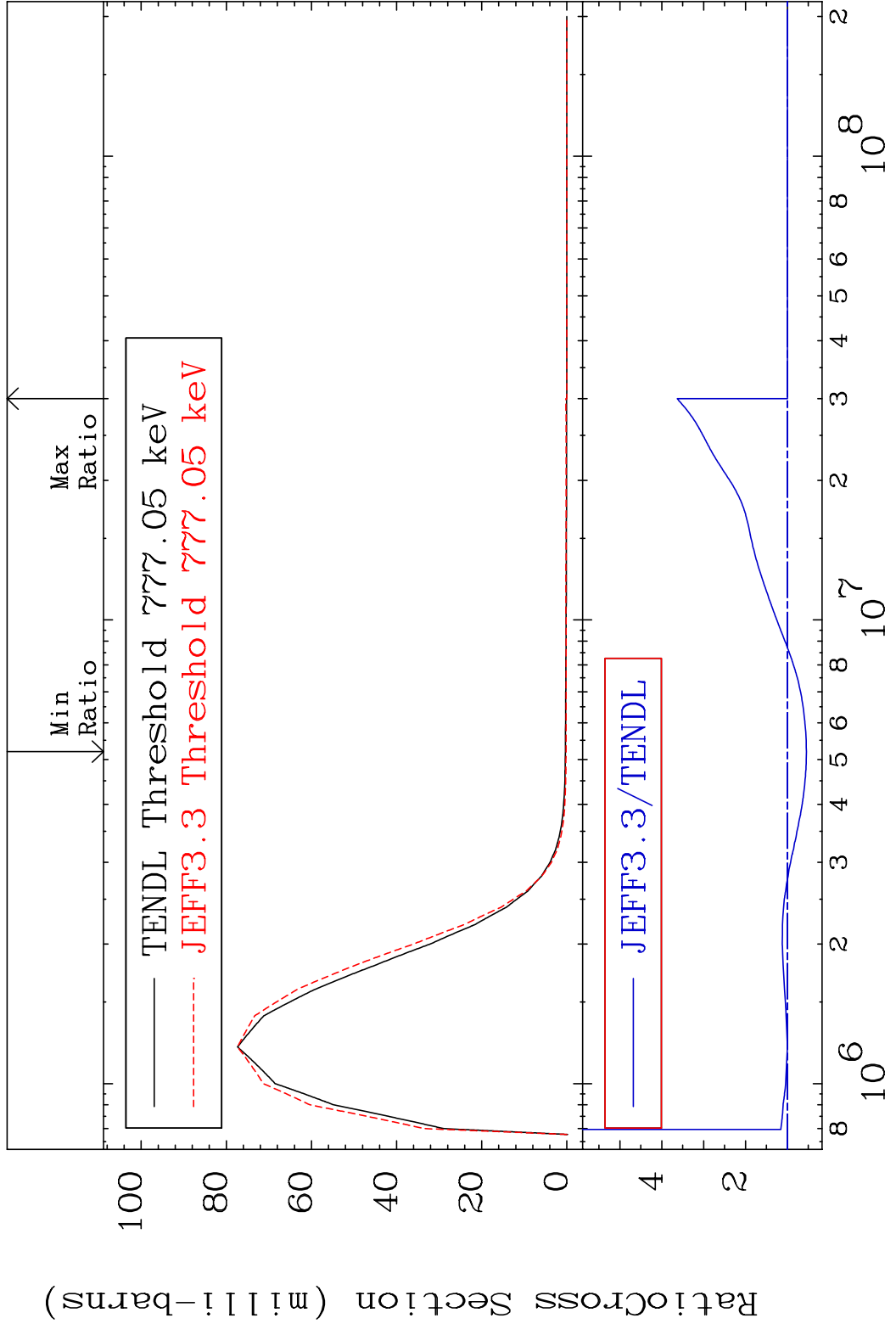
MAT 7531 MT= 65 (n,n') Level 75-Re-187
 Cross Section -100.0 To 21.76 %



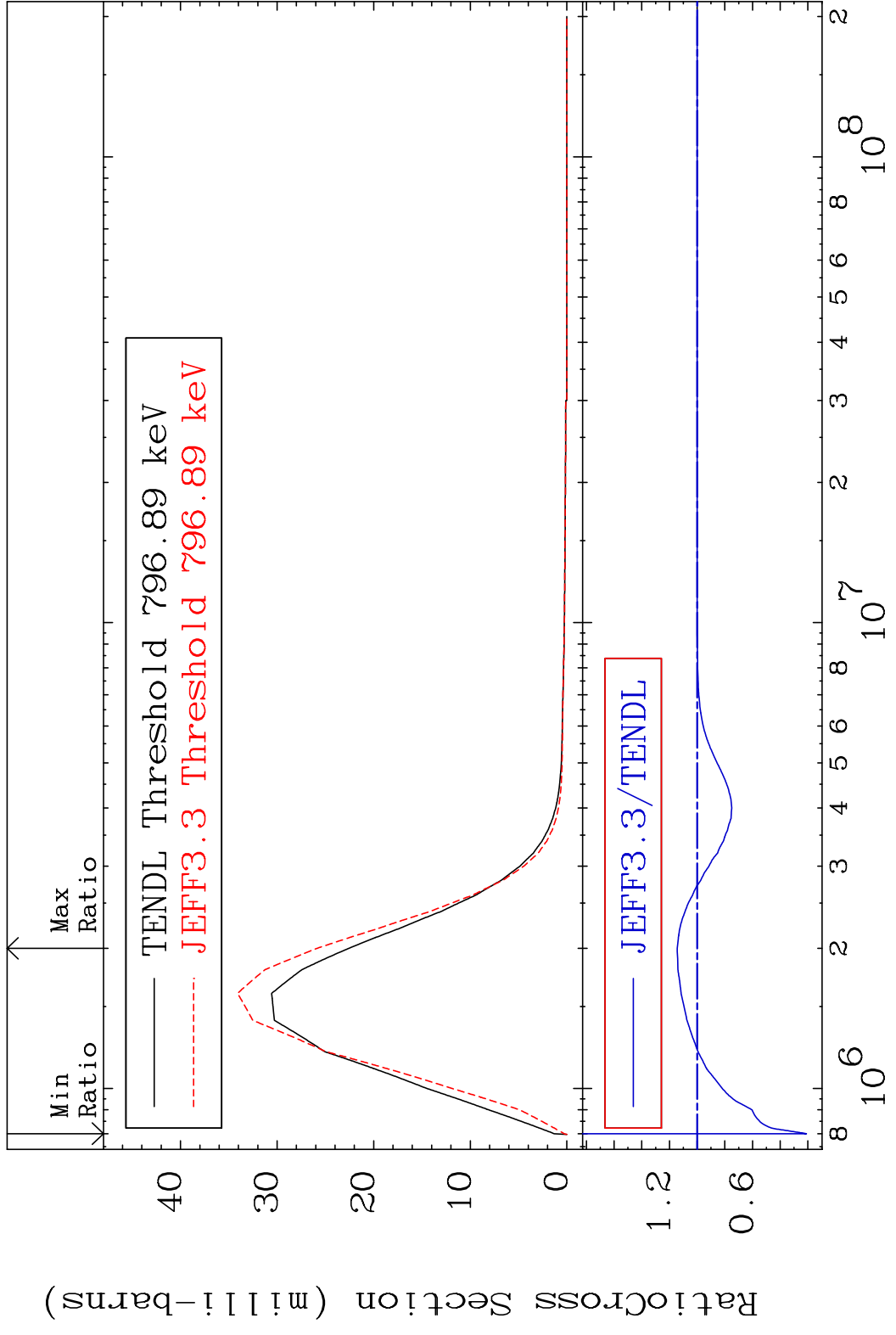
MAT 7531 MT= 66 (n, n') Level 75-Re-187
 Cross Section -14.00 To 9.763 %



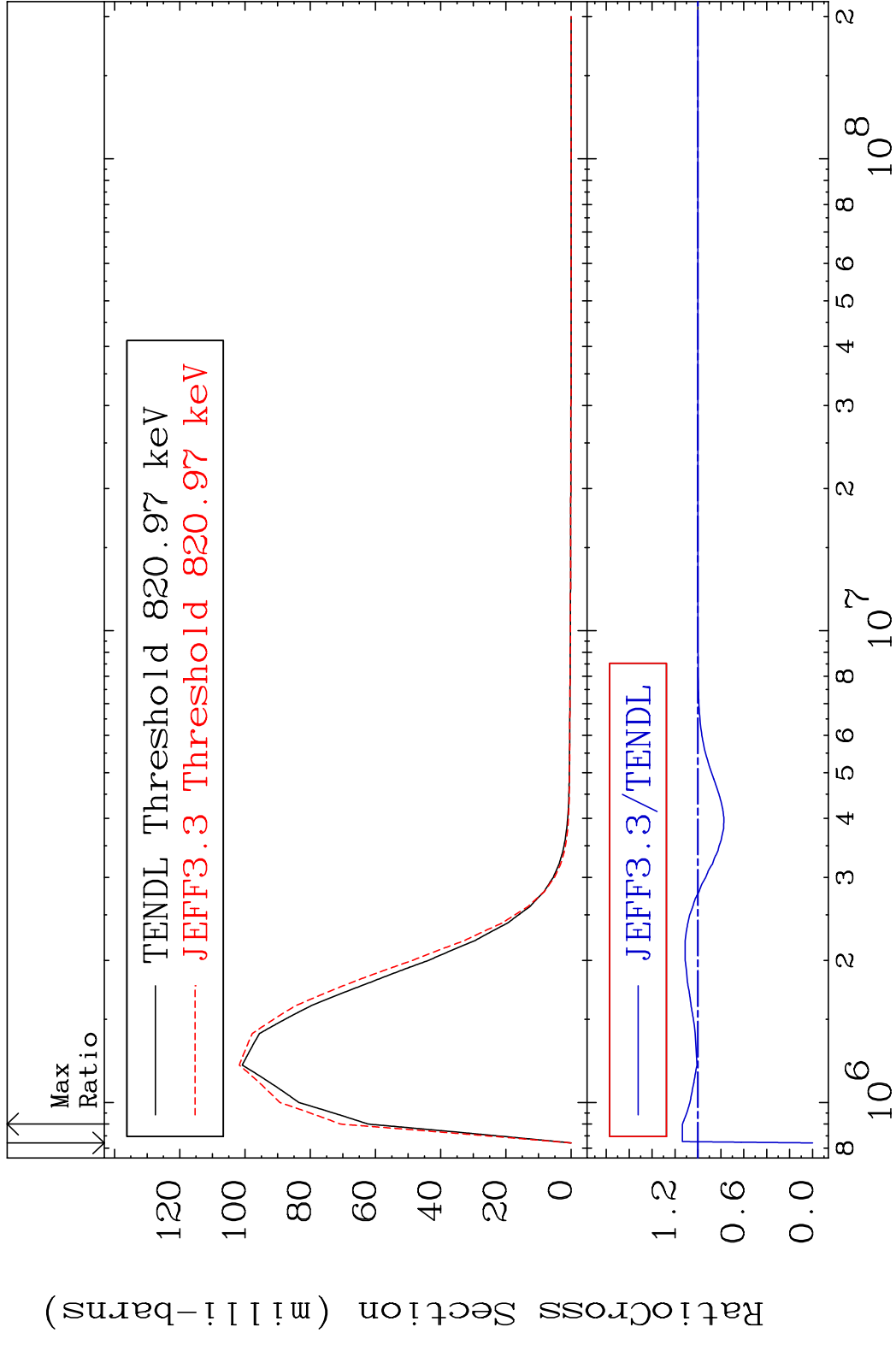
MAT 7531 MT= 67 (n, n') Level 75-Re-187
 Cross Section -45.50 To 263.2 %



MAT 7531 MT= 68 (n, n') Level 75-Re-187
 Cross Section -78.92 To 14.43 %



MAT 7531 MT= 69 (n, n') Level 75-Re-187
 Cross Section -100.0 To 13.59 %

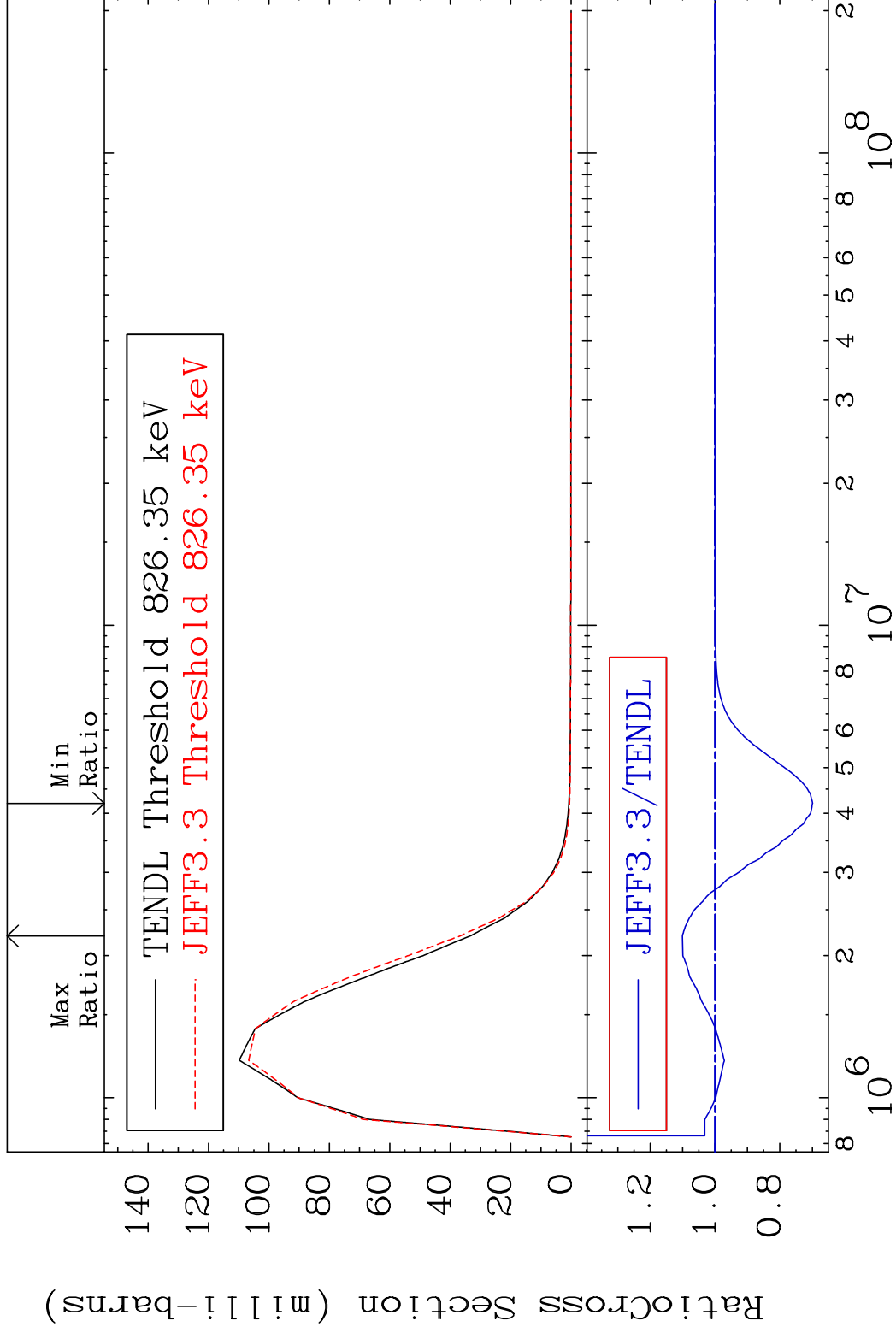


MAT 7531

MT= 70 (n, n') Level

75-Re-187

Cross Section -30.09 To 10.10 %



40

Incident Energy (eV)

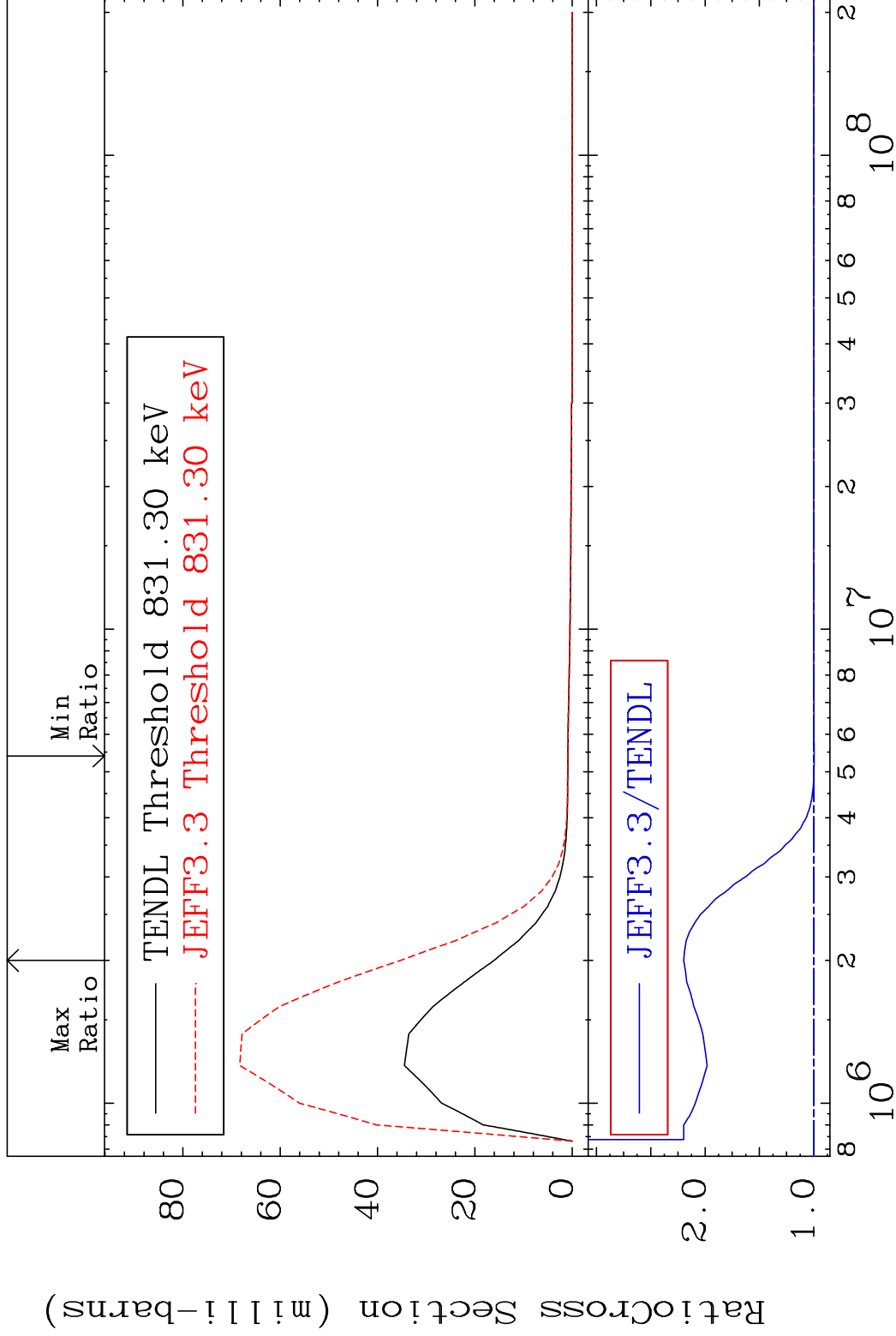
75-Re-187

MAT 7531

MT= 71 (n, n') Level

75-Re-187

Cross Section -0.320 To 119.7 %

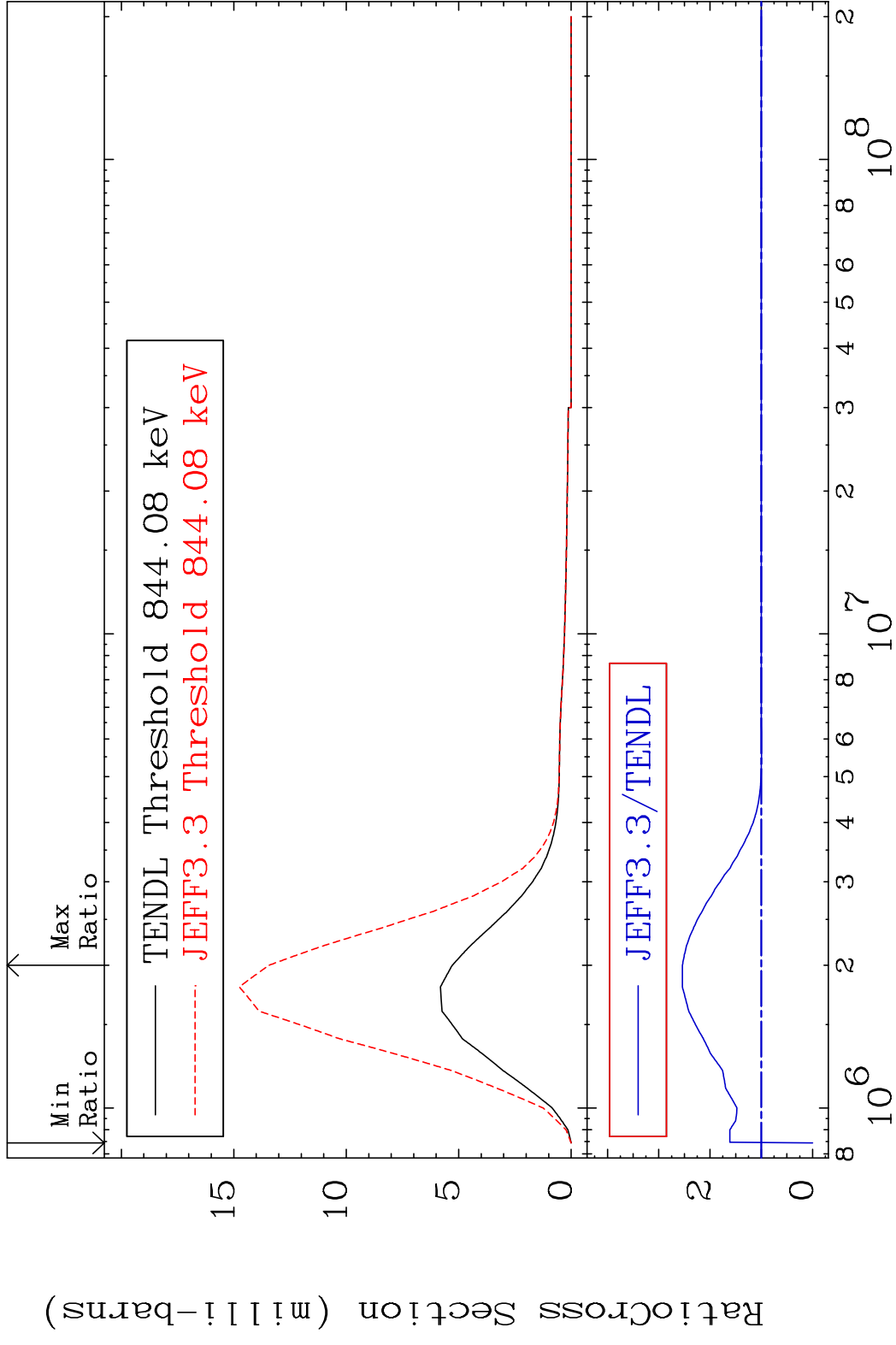


41

Incident Energy (eV)

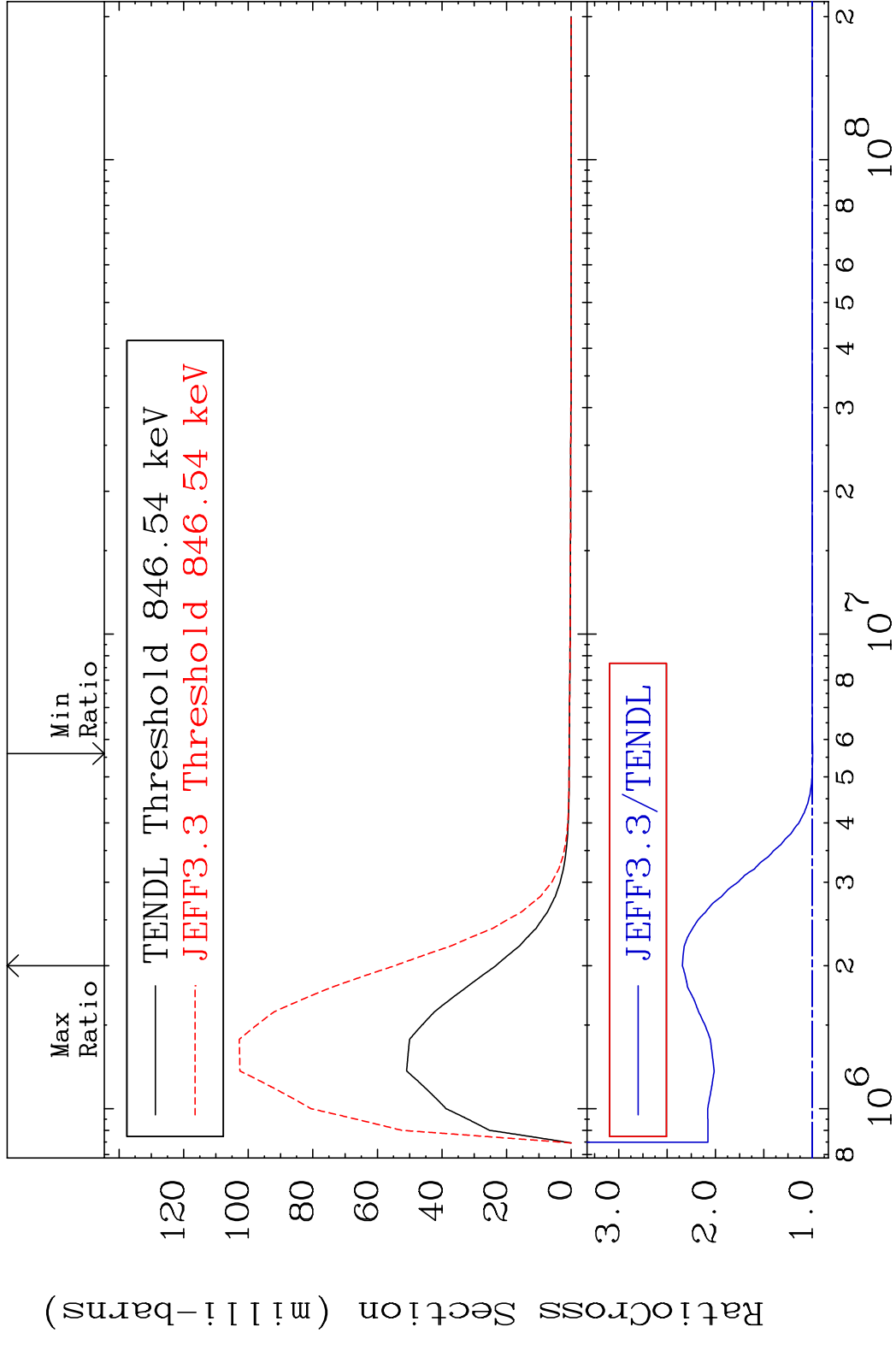
75-Re-187

MAT 7531 MT= 72 (n, n') Level 75-Re-187
 Cross Section -100.0 To 154.0 %



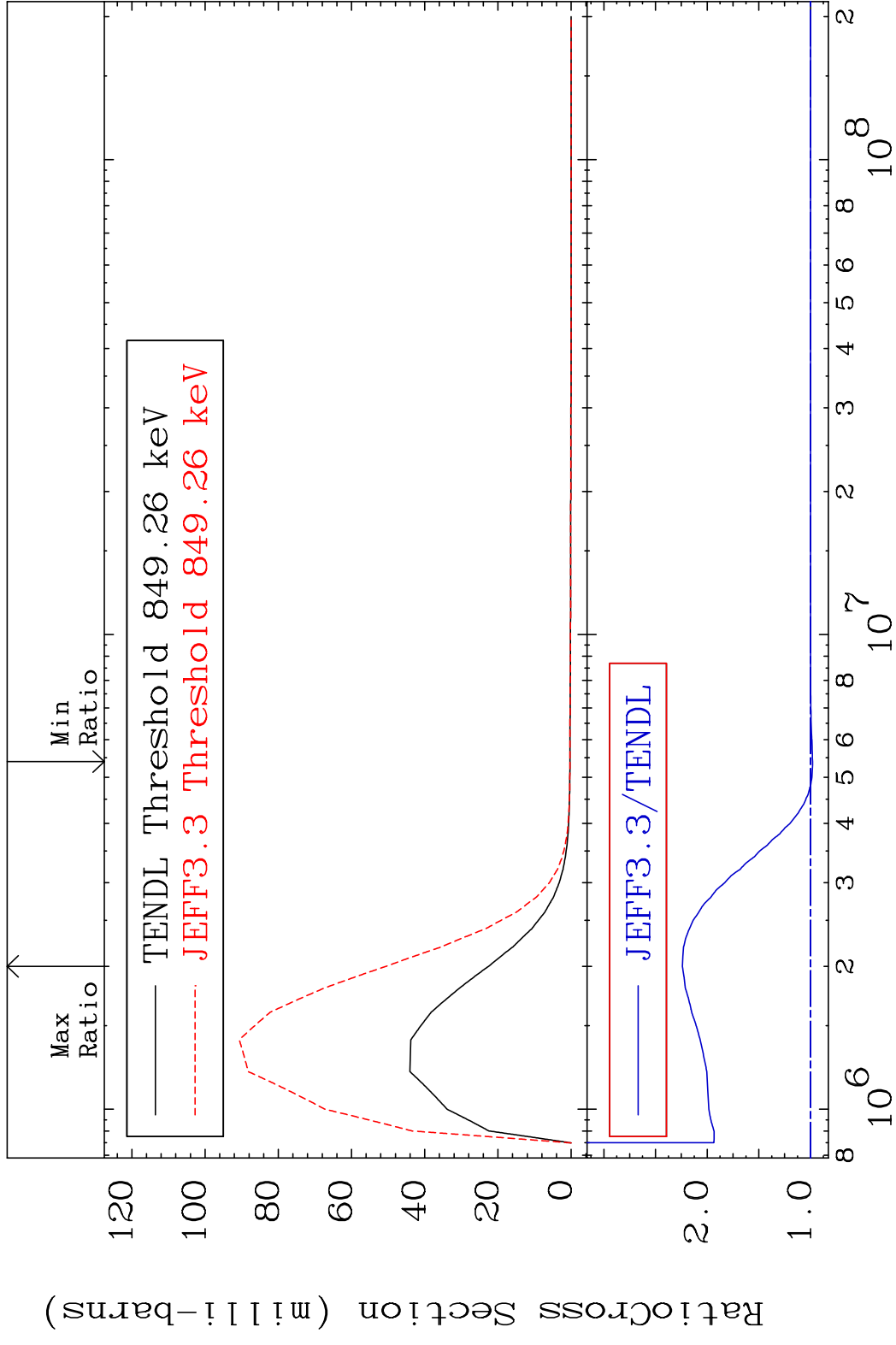
42 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 73 (n, n') Level 75-Re-187
 Cross Section -0.420 To 134.2 %

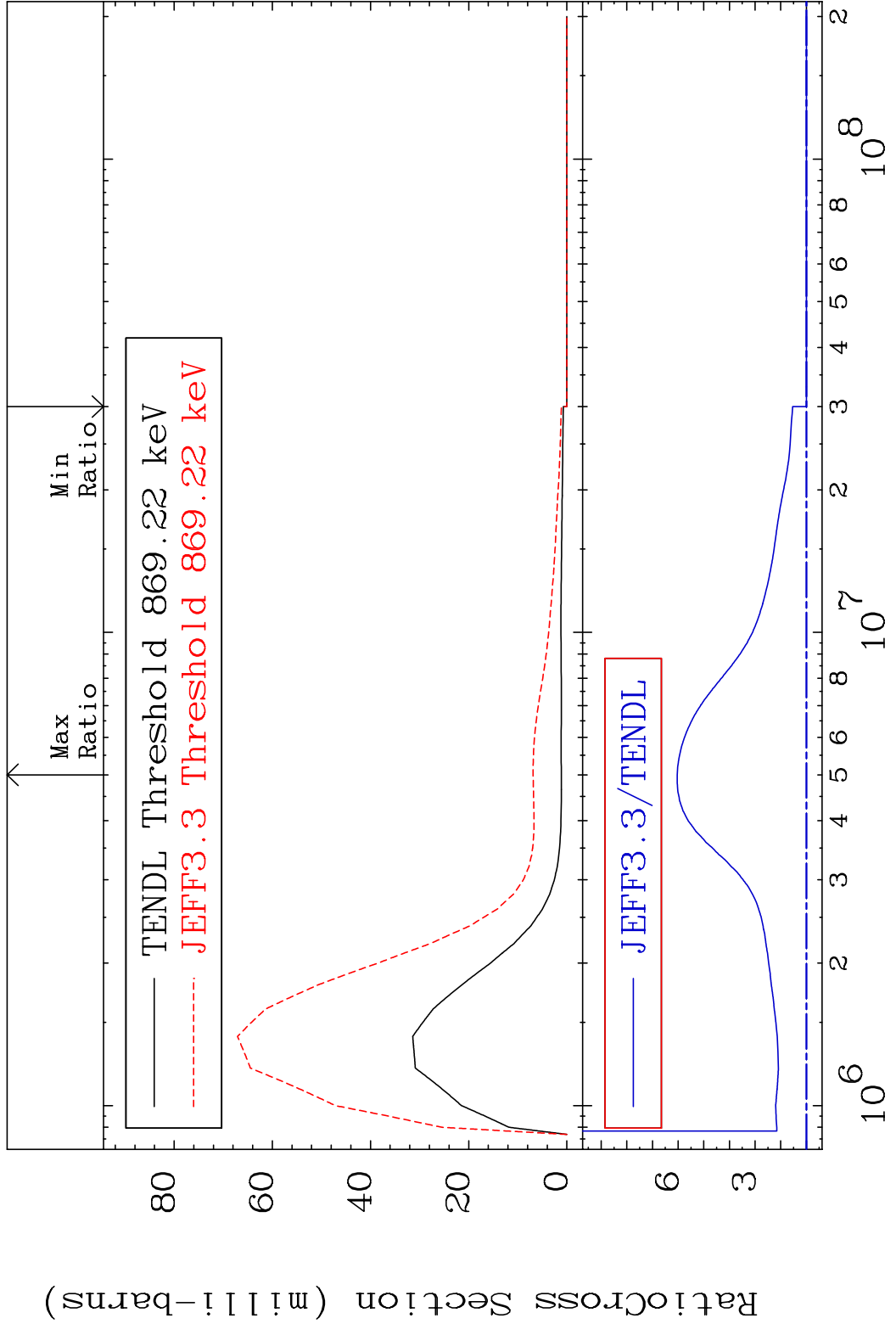


43 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 74 (n,n') Level 75-Re-187
 Cross Section -1.995 To 124.0 %



MAT 7531 MT= 75 (n, n') Level 75-Re-187
 Cross Section 0.000 To 503.7 %



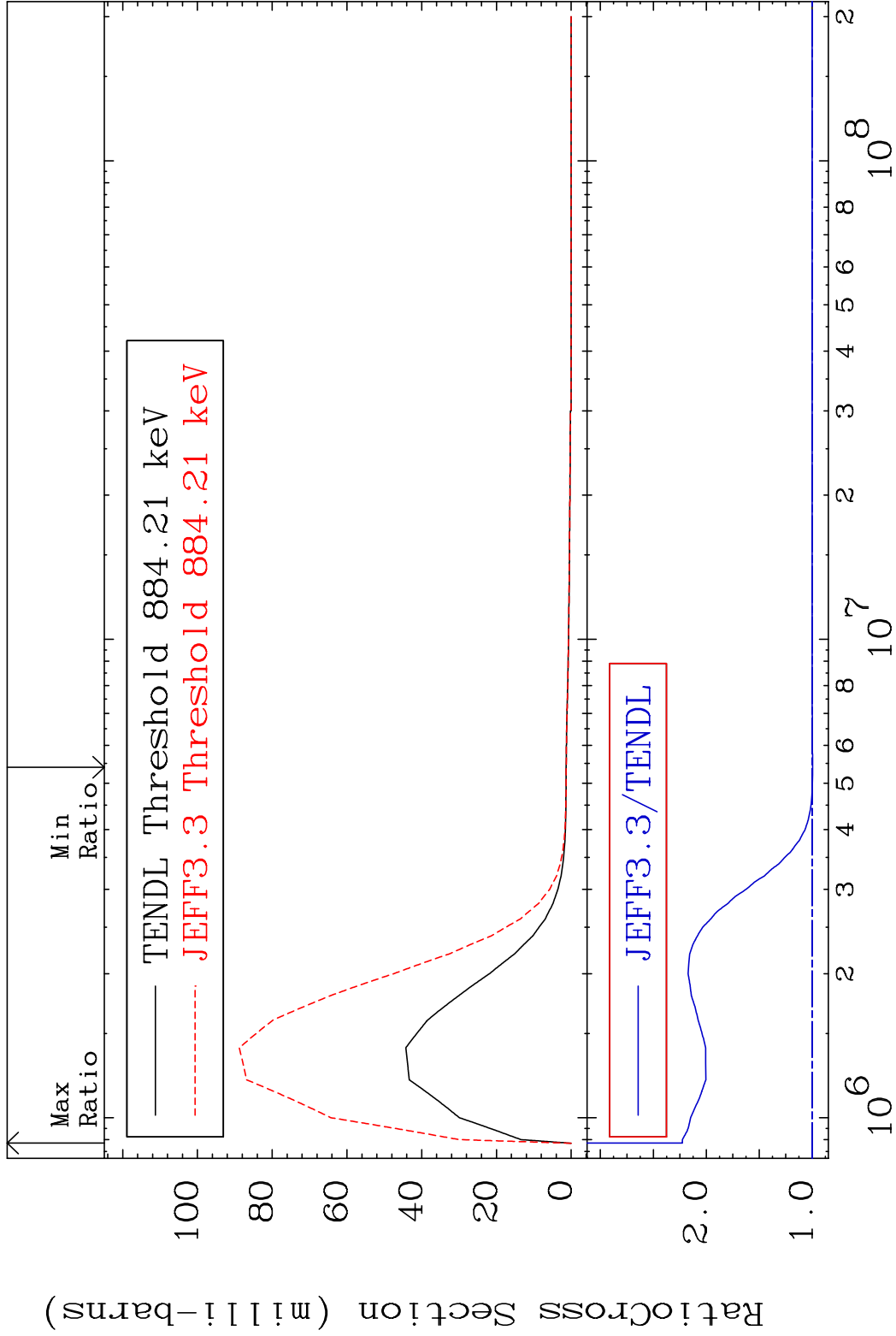
45 Incident Energy (eV) 75-Re-187

MAT 7531

MT= 76 (n,n') Level

75-Re-187

Cross Section -0.342 To 122.6 %

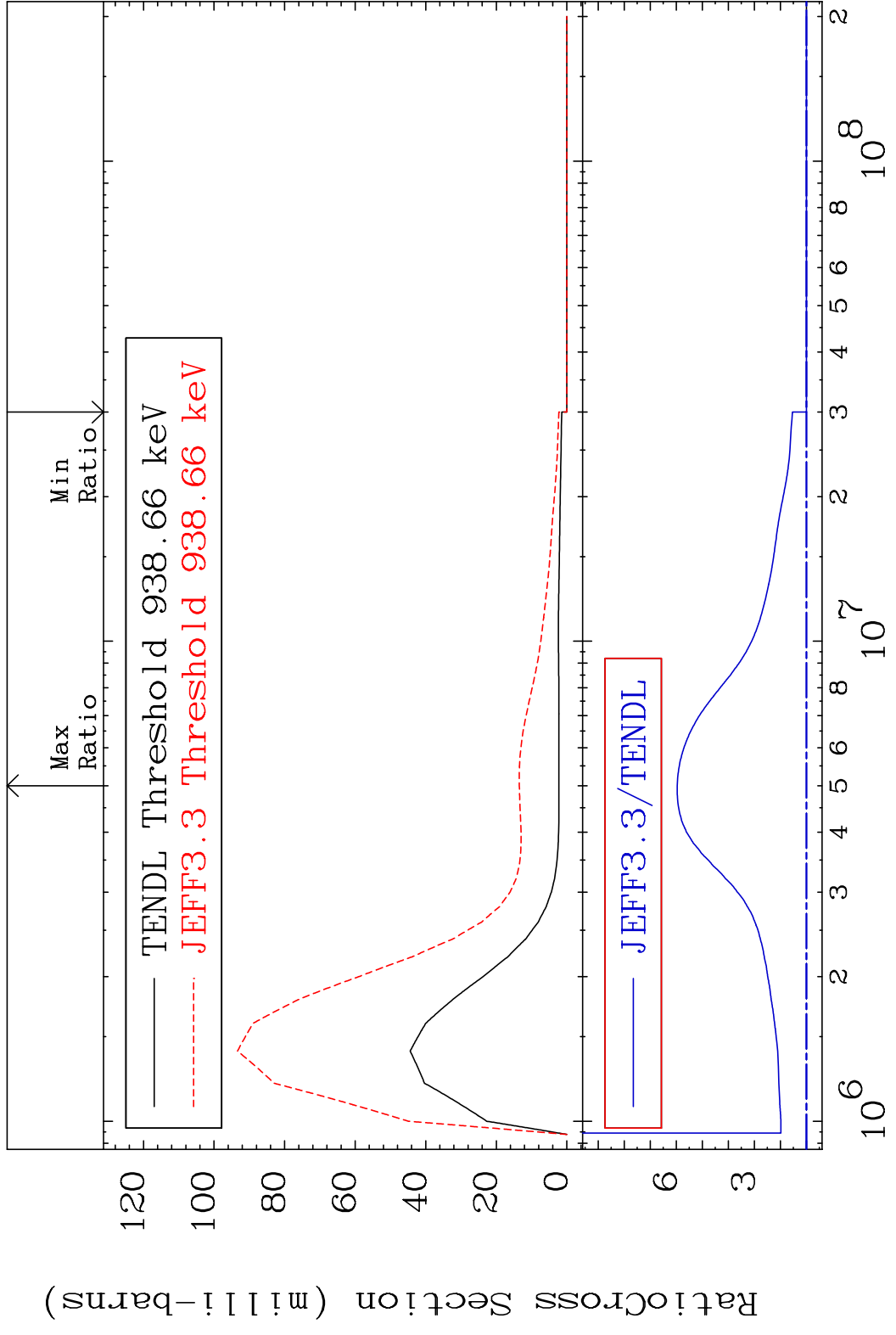


46

Incident Energy (eV)

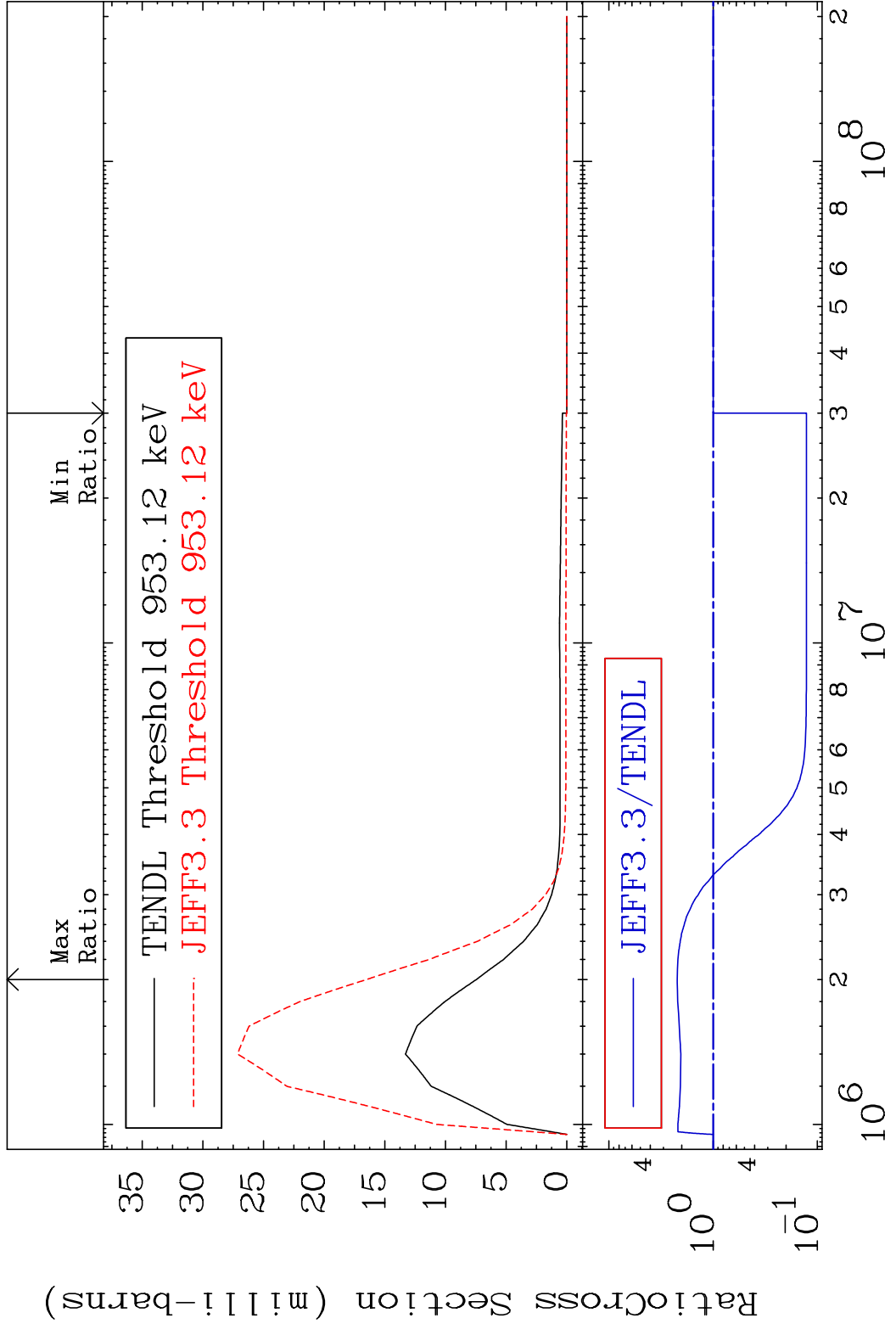
75-Re-187

MAT 7531 MT= 77 (n, n') Level 75-Re-187
 Cross Section 0.000 To 496.5 %



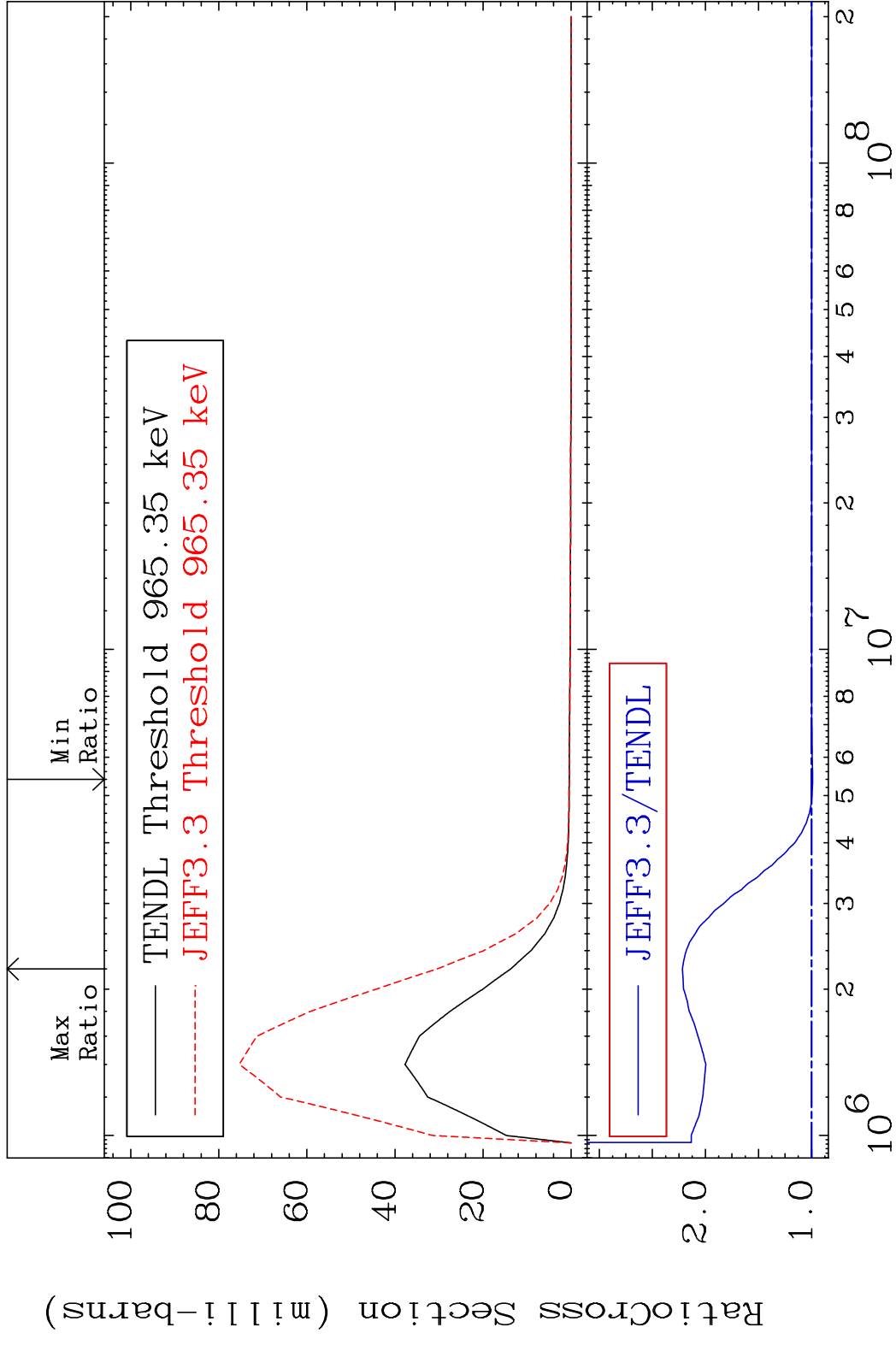
47 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 78 (n, n') Level 75-Re-187
 Cross Section -87.25 To 121.3 %



48 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 79 (n, n') Level 75-Re-187
 Cross Section -0.916 To 121.8 %



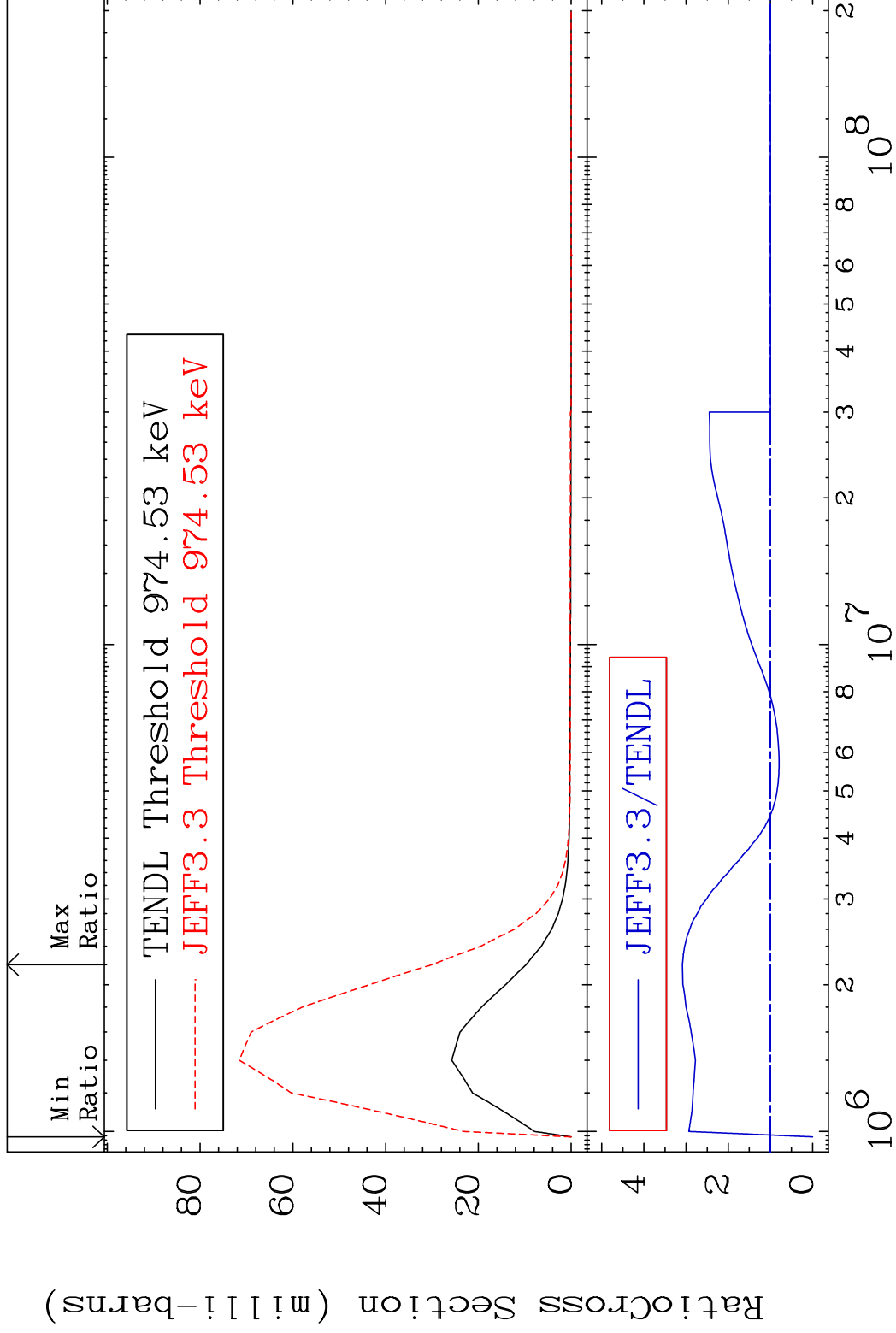
49 Incident Energy (eV) 75-Re-187

MAT 7531

MT= 80 (n, n') Level

75-Re-187

Cross Section -100.0 To 208.8 %



50

Incident Energy (eV)

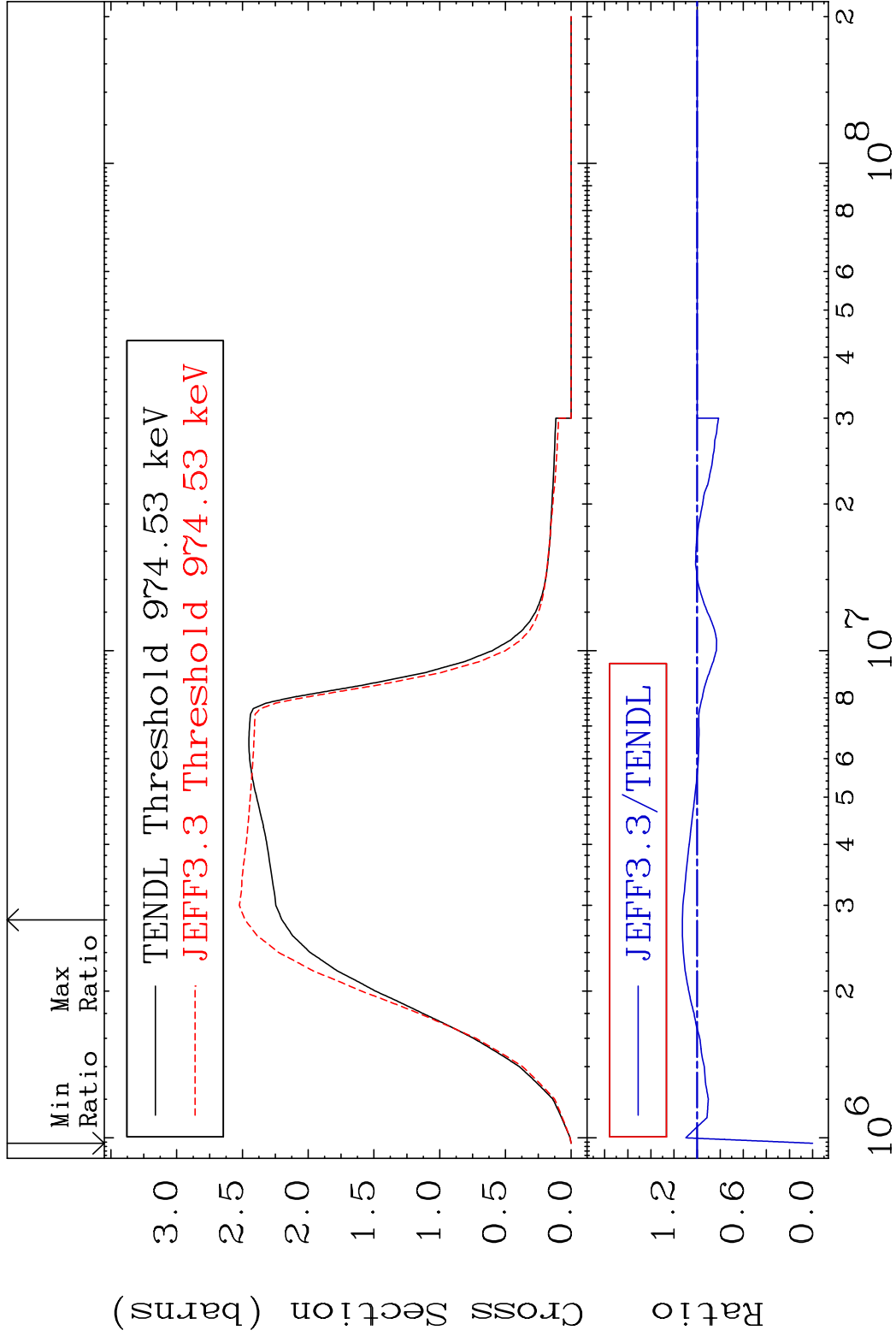
75-Re-187

MAT 7531

(n, n') Continuum

75-Re-187

Cross Section -100.0 To 12.77 %



51

Incident Energy (eV)

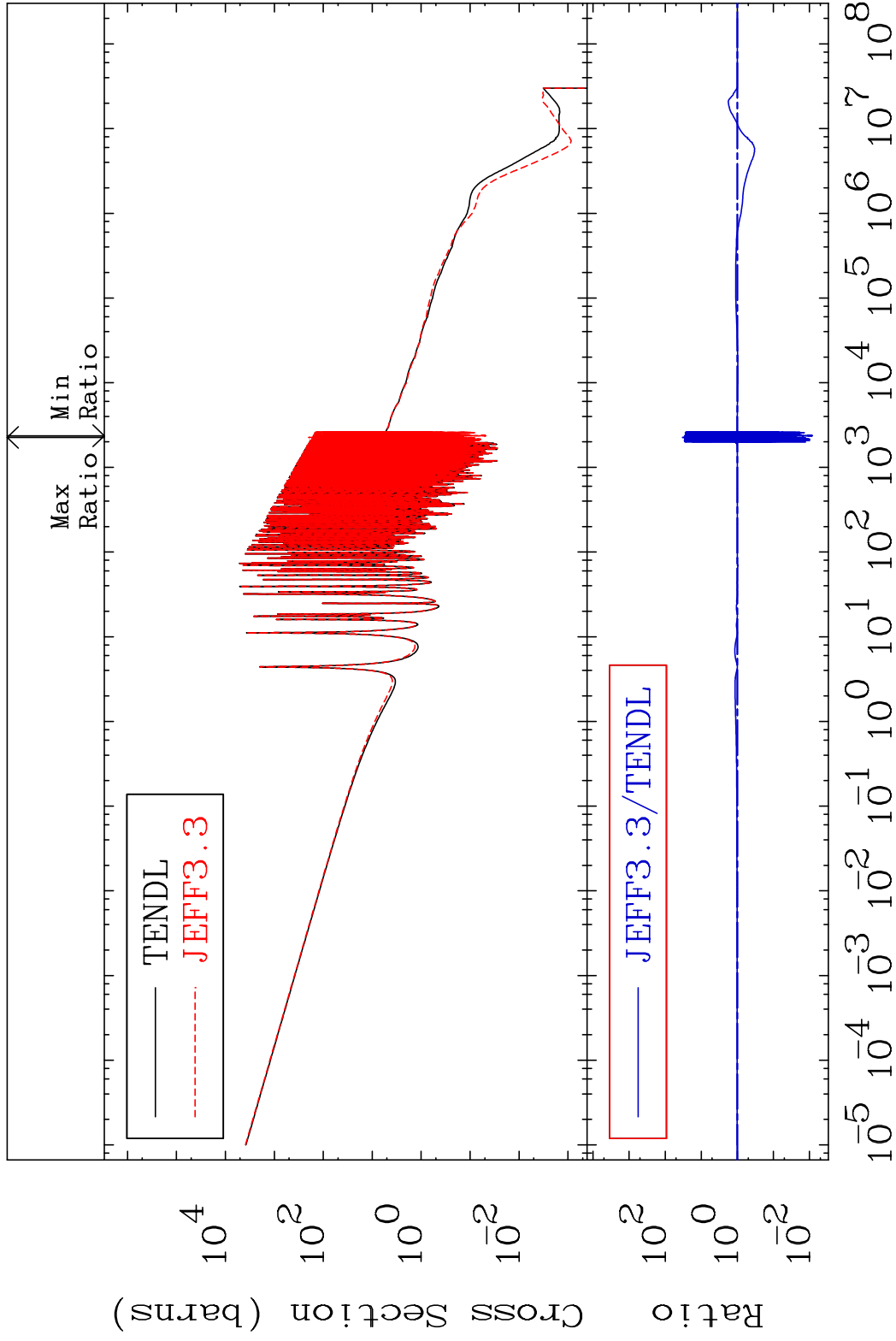
75-Re-187

MAT 7531

(n, γ)

75-Re-187

Cross Section -99.18 To 3246. %



52

Incident Energy (eV)

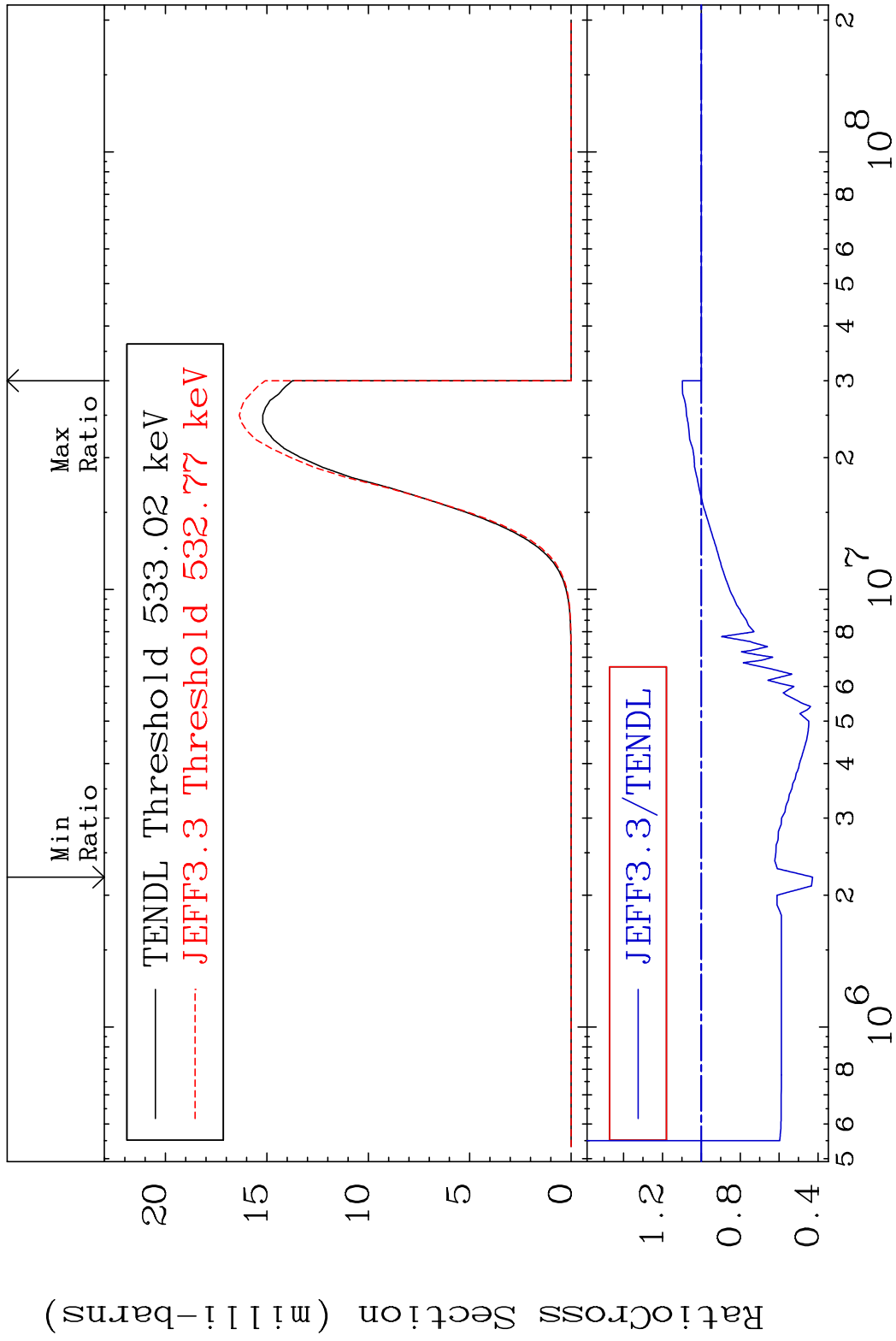
75-Re-187

MAT 7531

(n, p)

75-Re-187

Cross Section -57.20 To 9.757 %



53

Incident Energy (eV)

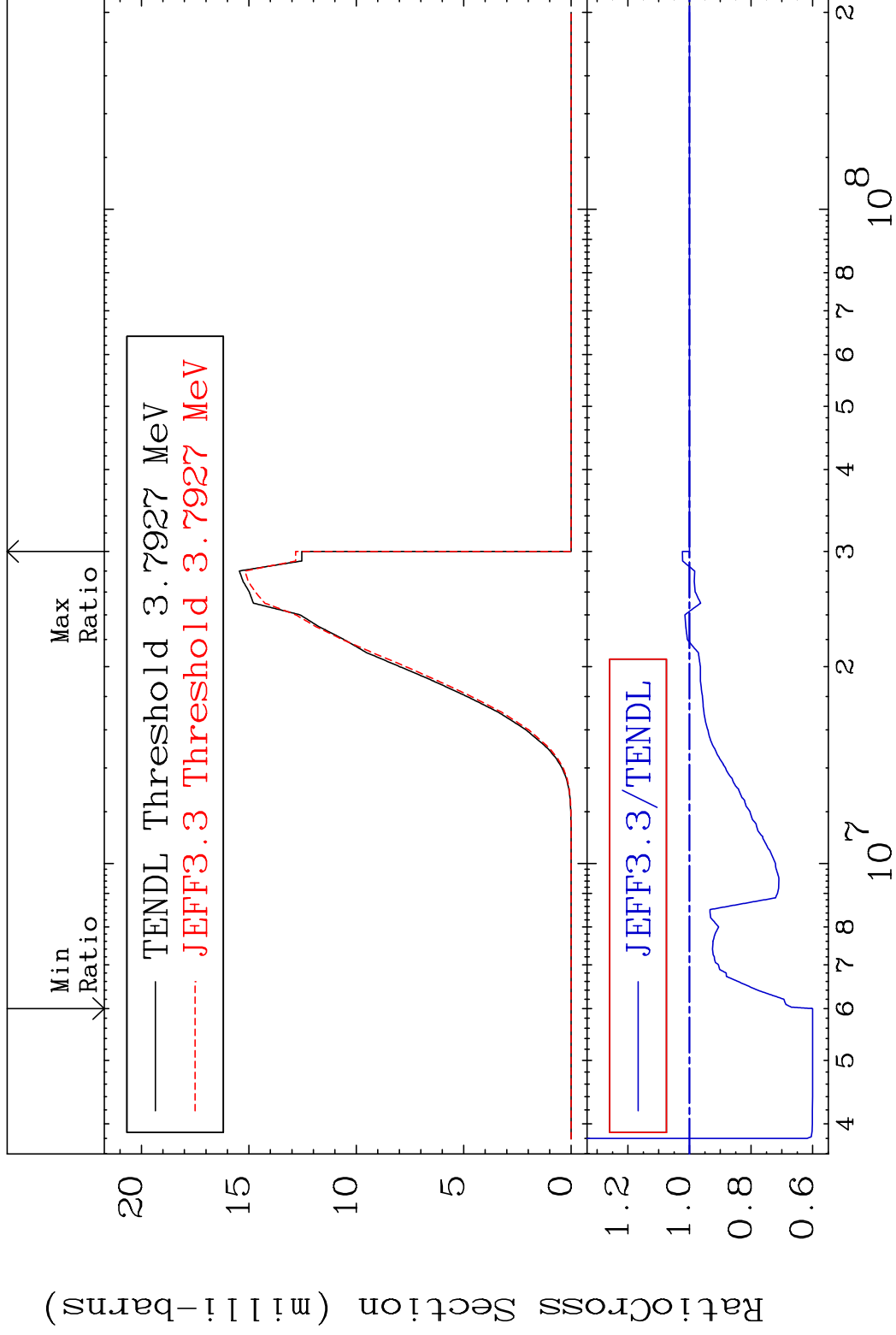
75-Re-187

MAT 7531

(n, d)

75-Re-187

Cross Section -39.95 To 2.331 %

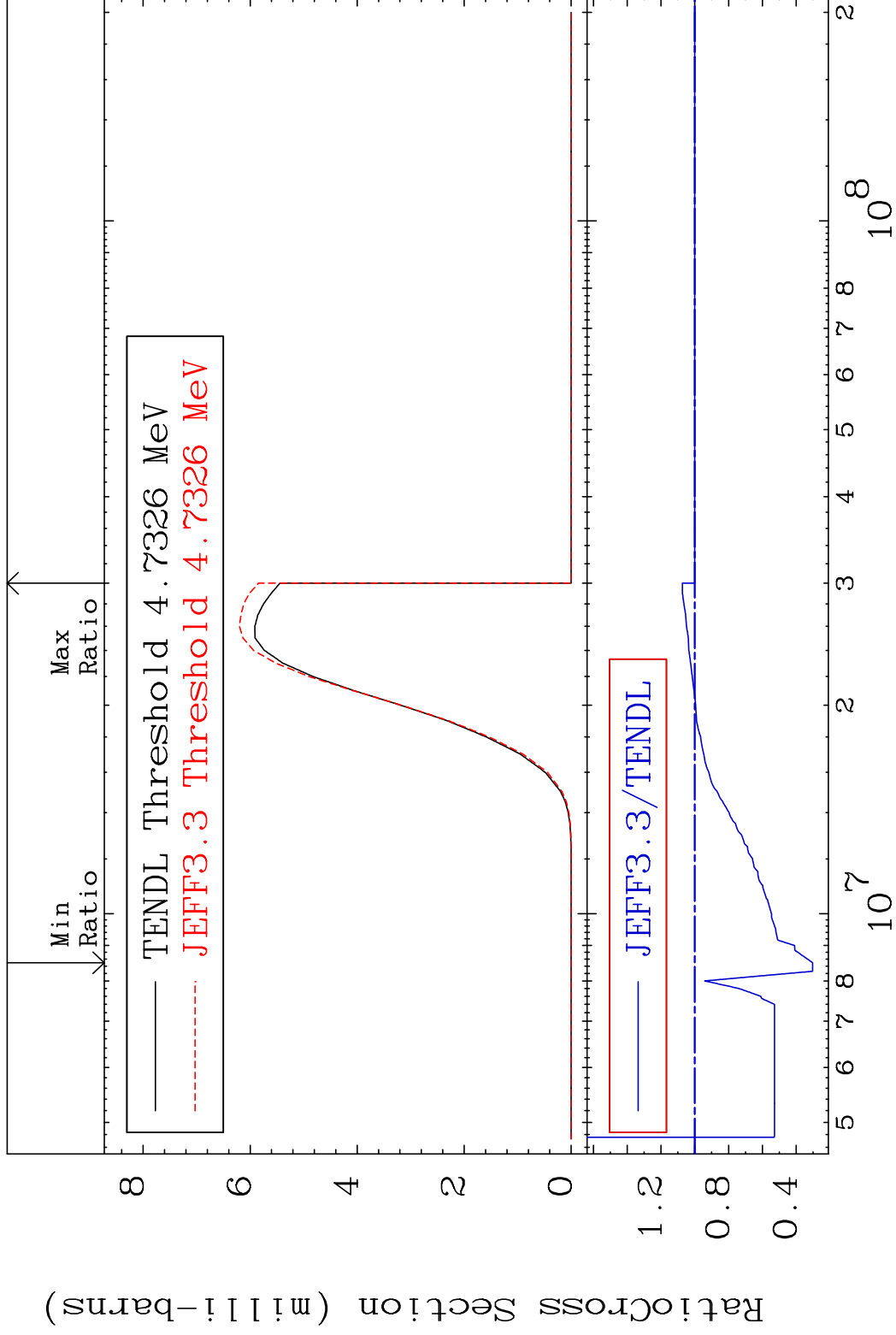


MAT 7531

(n, t)

75-Re-187

Cross Section -69.71 To 7.363 %



55

Incident Energy (eV)

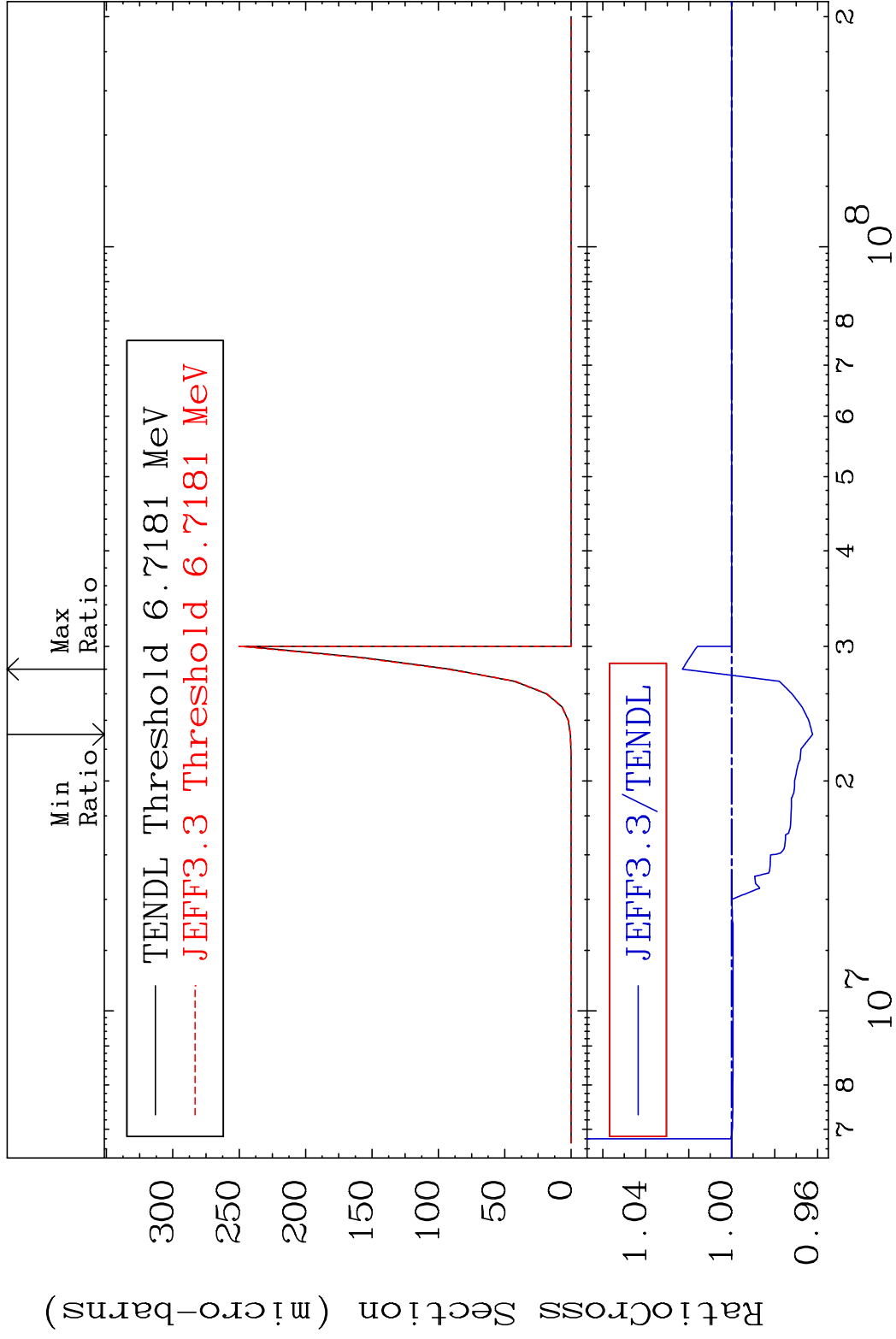
75-Re-187

MAT 7531

(n, He-3)

75-Re-187

Cross Section -3.765 To 2.297 %



56

Incident Energy (eV)

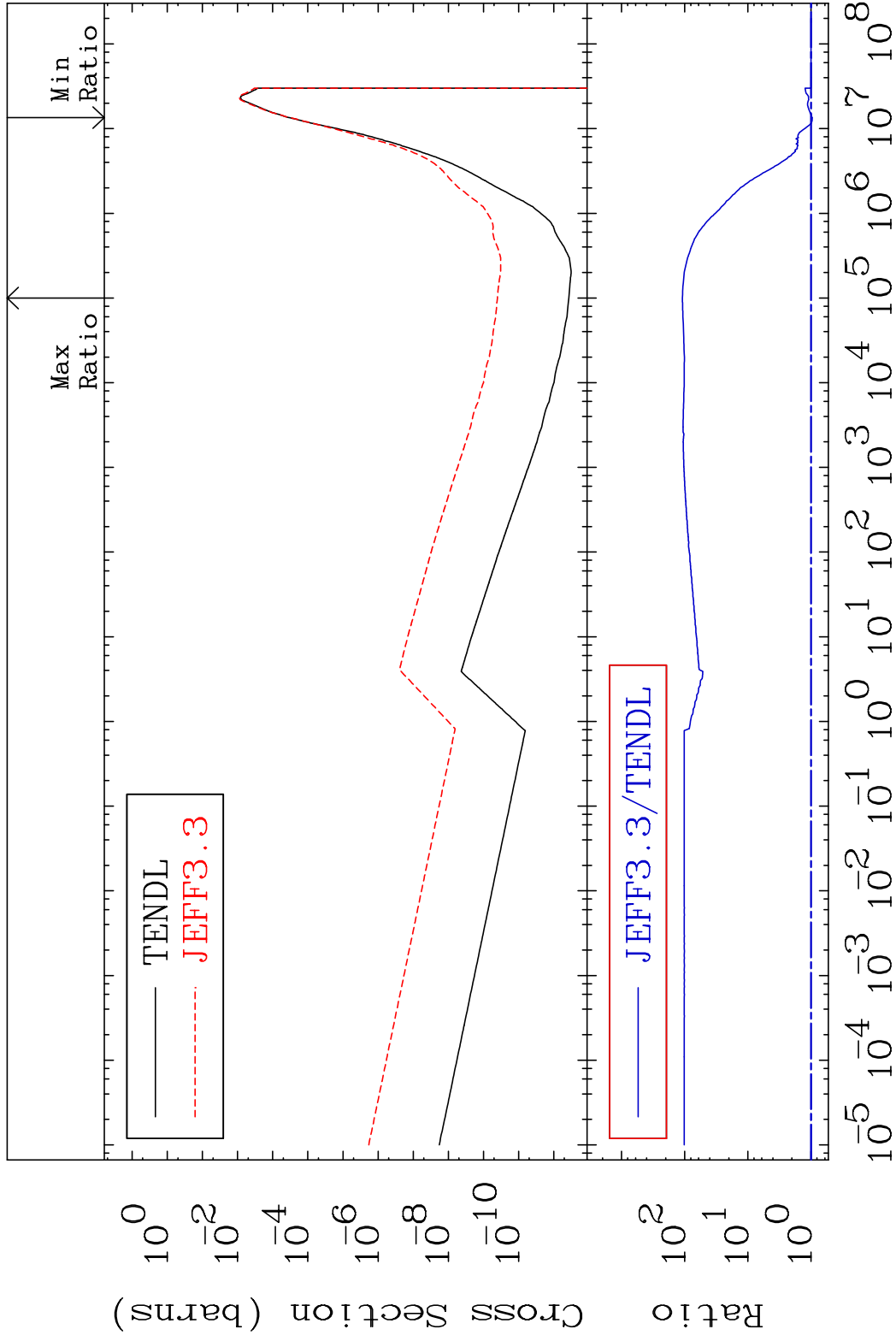
75-Re-187

MAT 7531

(n, α)

75-Re-187

Cross Section -5.837 To 9999. %

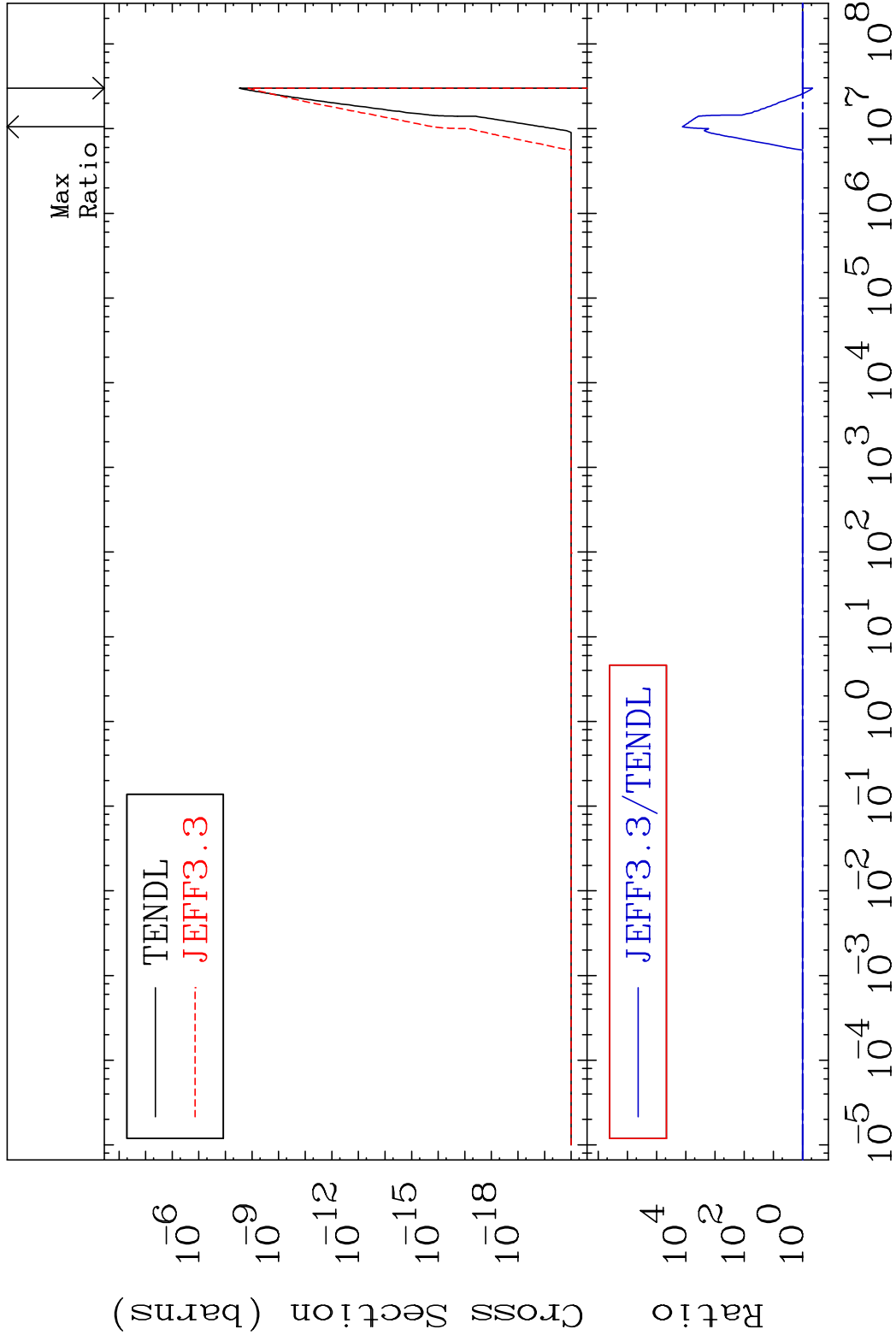


MAT 7531

(n, 2α)

75-Re-187

Cross Section -54.13 To 9999. %



58

Incident Energy (eV)

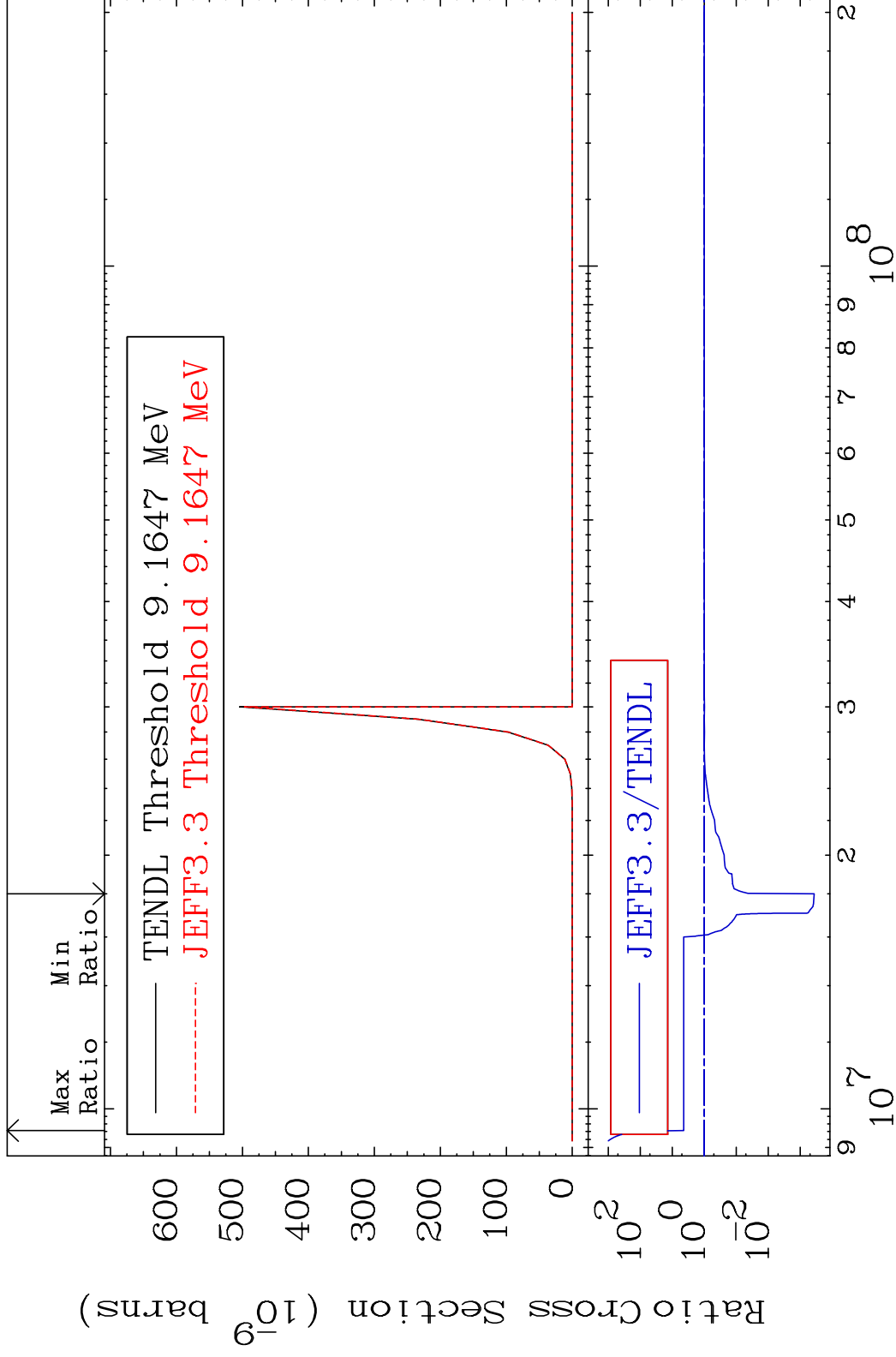
75-Re-187

MAT 7531

(n,2p)

75-Re-187

Cross Section -99.96 To 341.3 %



59

Incident Energy (eV)

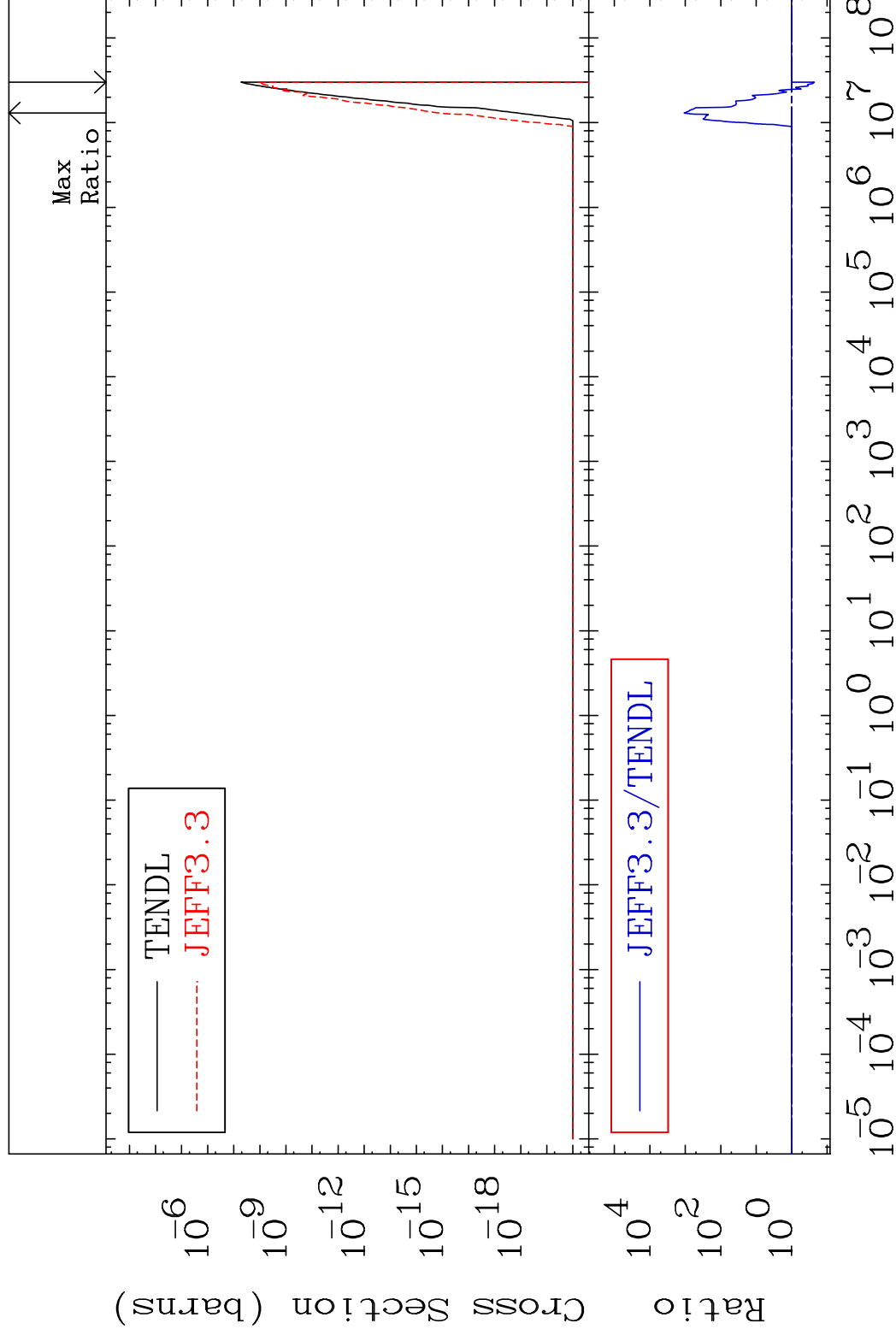
75-Re-187

MAT 7531

(n,p) α

75-Re-187

Cross Section -77.05 To 9999. %



60

Incident Energy (eV)

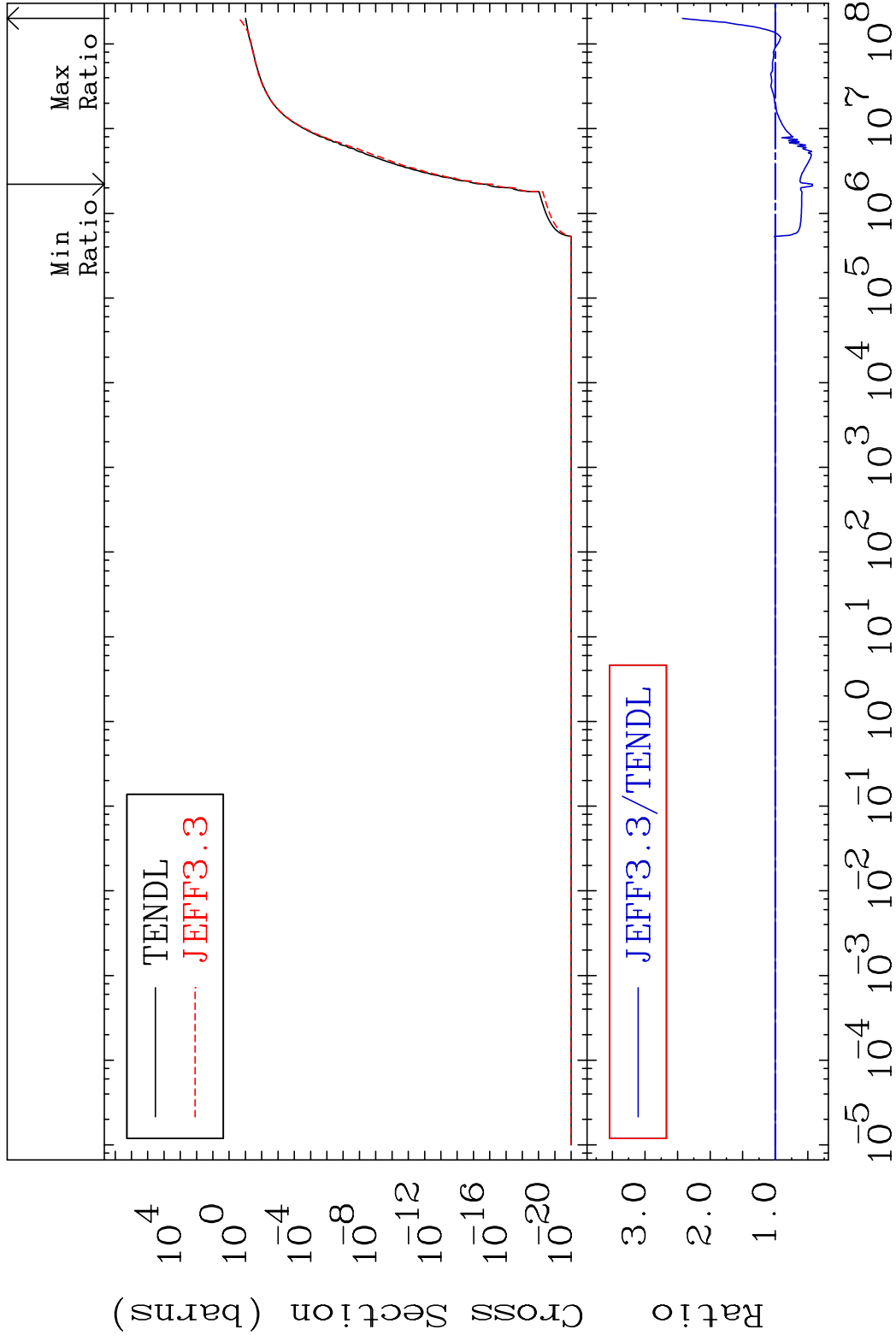
75-Re-187

MAT 7531

Hydrogen Production

75-Re-187

Cross Section -57.20 To 142.6 %



61

Incident Energy (eV)

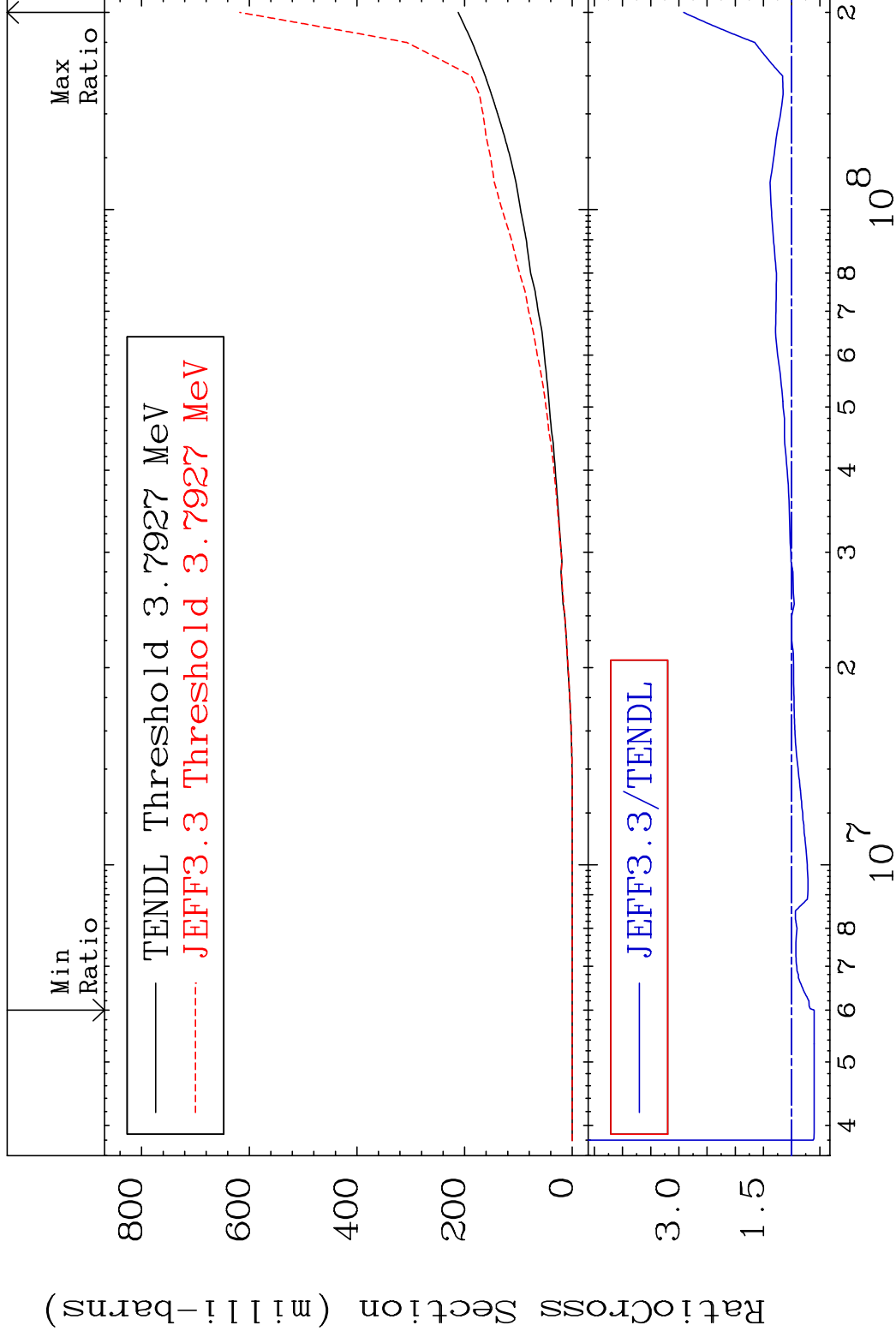
75-Re-187

MAT 7531

Deuterium Production

75-Re-187

Cross Section -39.95 To 191.6 %



62

Incident Energy (eV)

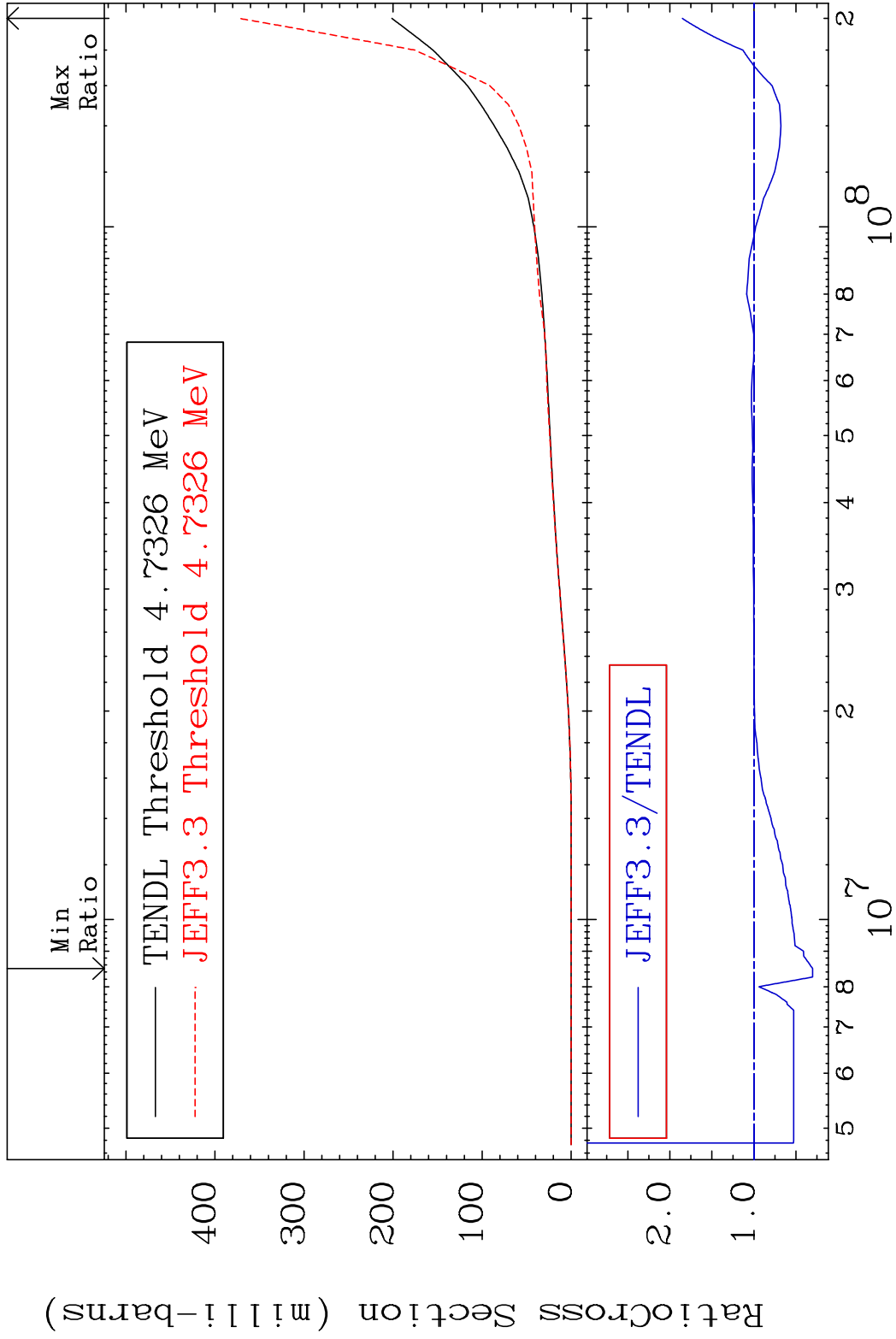
75-Re-187

MAT 7531

Tritium Production

75-Re-187

Cross Section -69.71 To 85.11 %

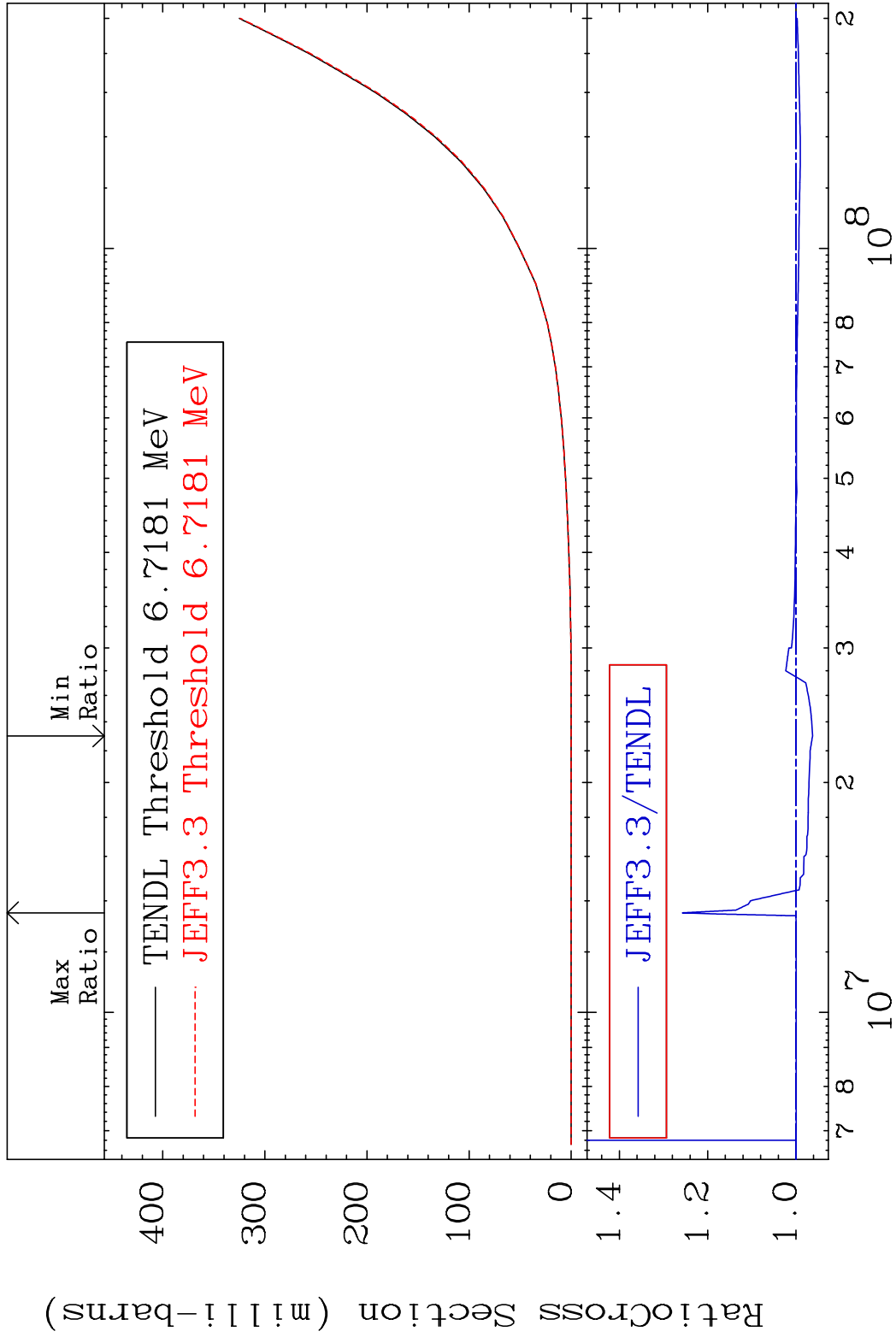


MAT 7531

He-3 Production

75-Re-187

Cross Section -3.765 To 25.74 %

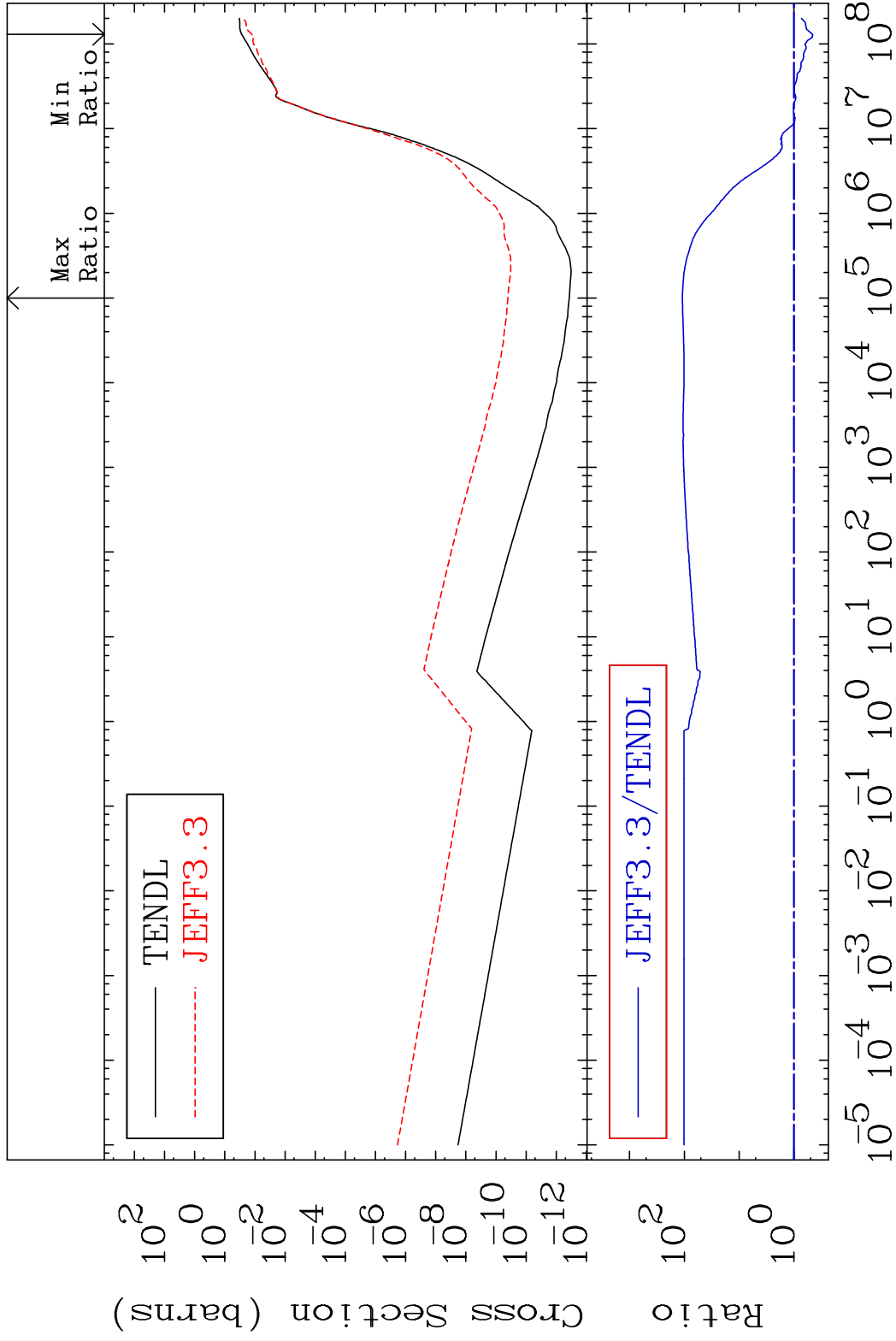


MAT 7531

He-4 Production

75-Re-187

Cross Section -54.20 To 9999. %

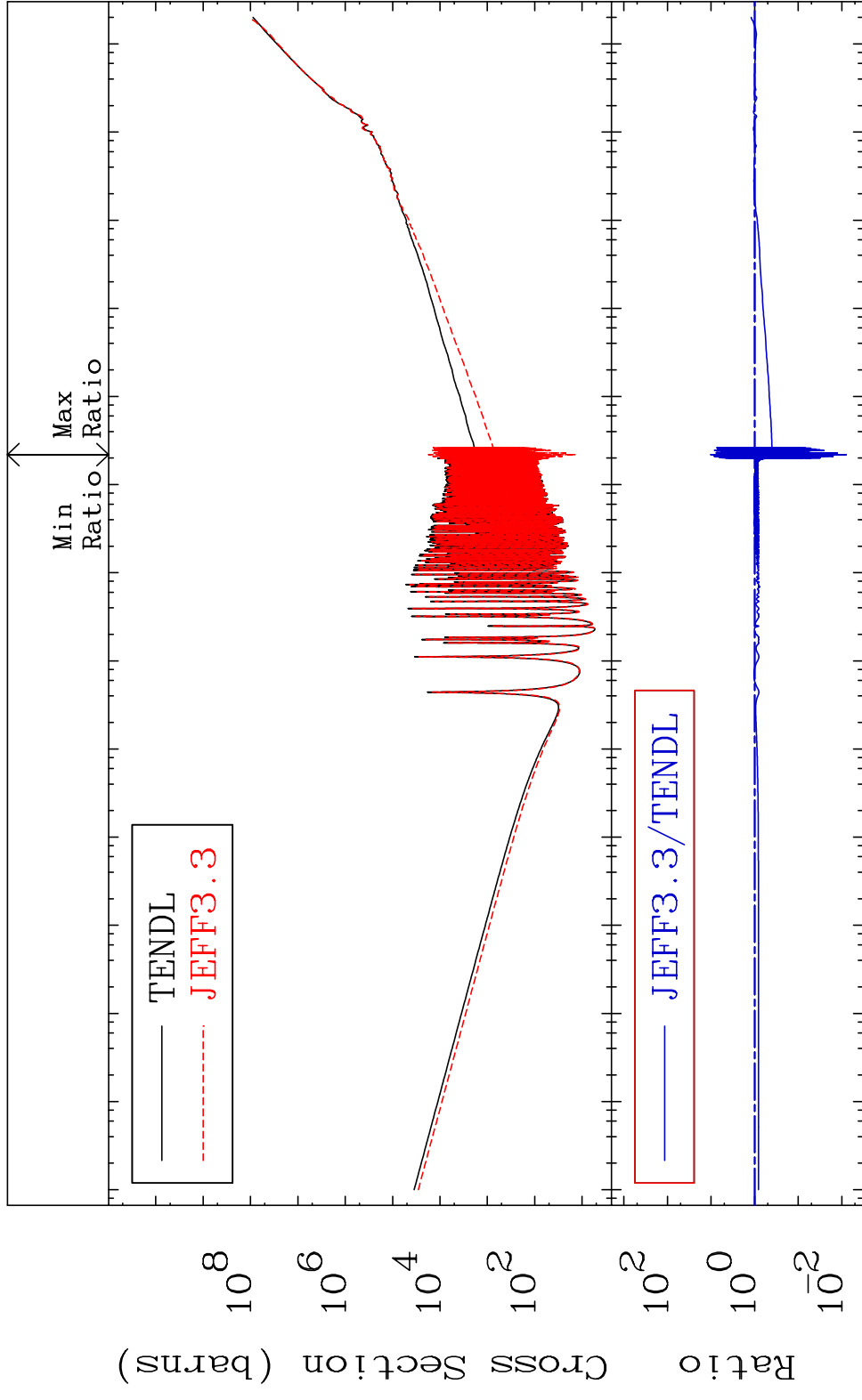


65

Incident Energy (eV)

75-Re-187

MAT 7531 Kerma total (eV-barns) 75-Re-187
 Cross Section -99.21 To 919.3 %

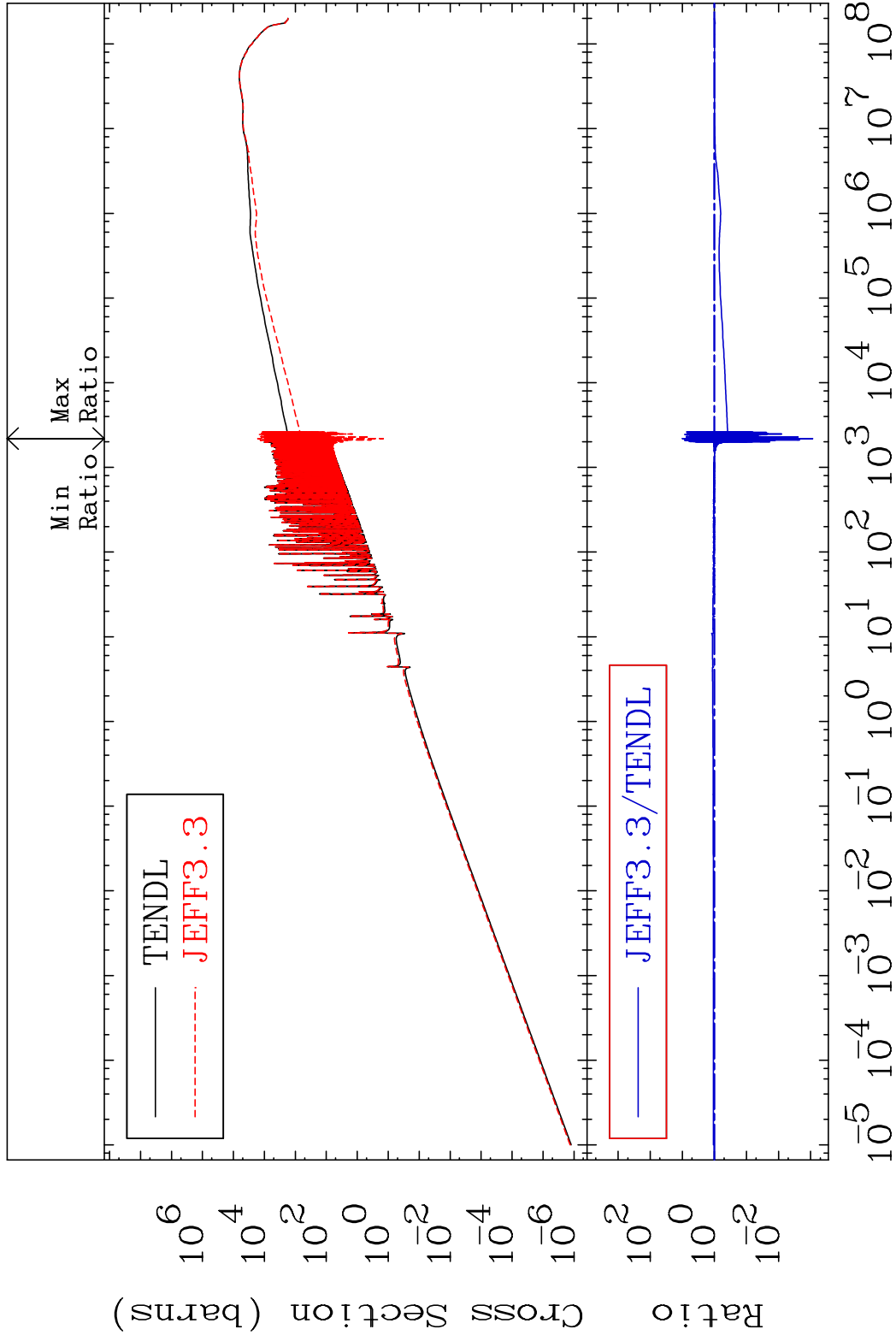


MAT 7531

Kerma elastic

75-Re-187

Cross Section -99.91 To 896.2 %

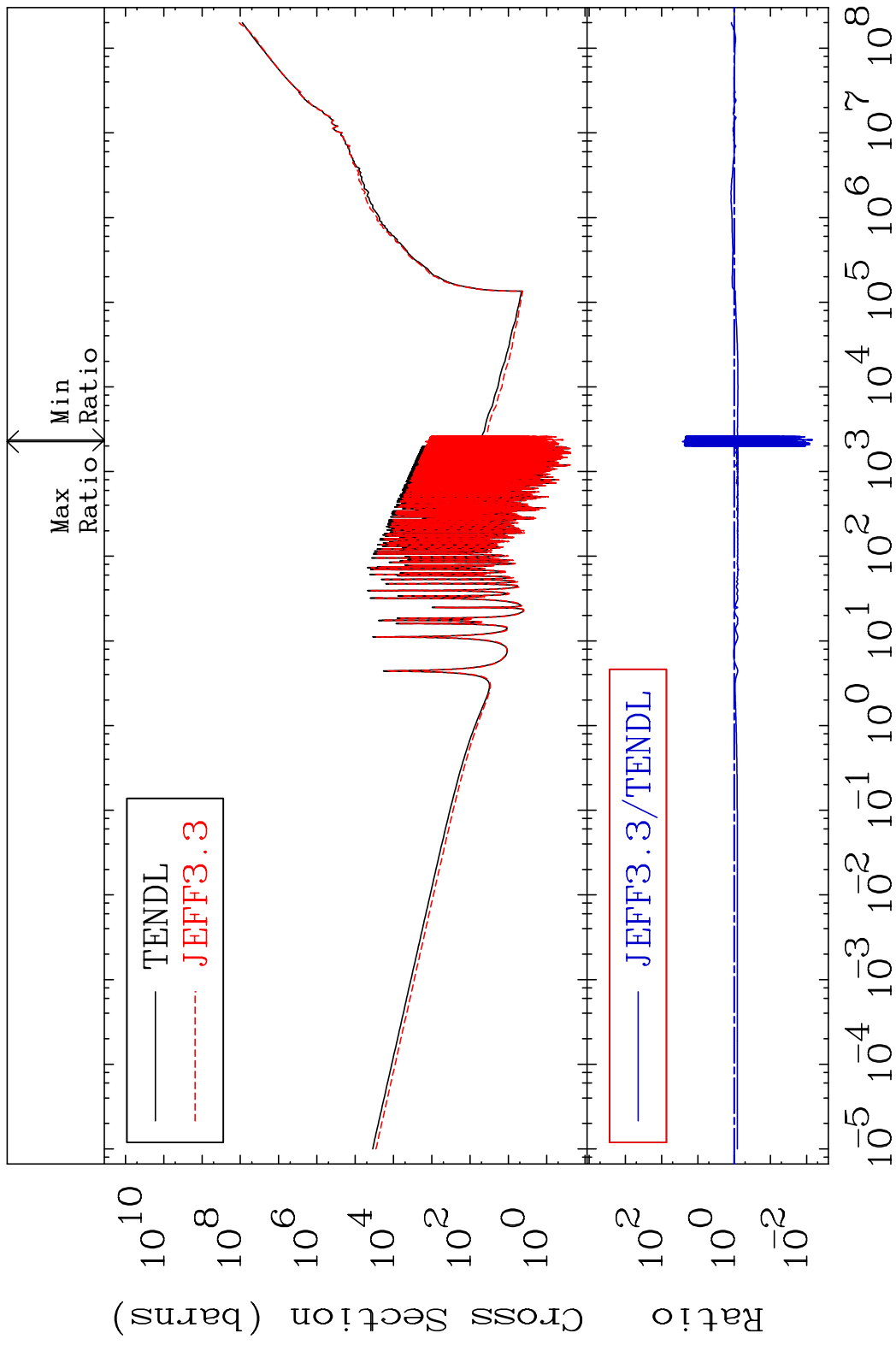


67

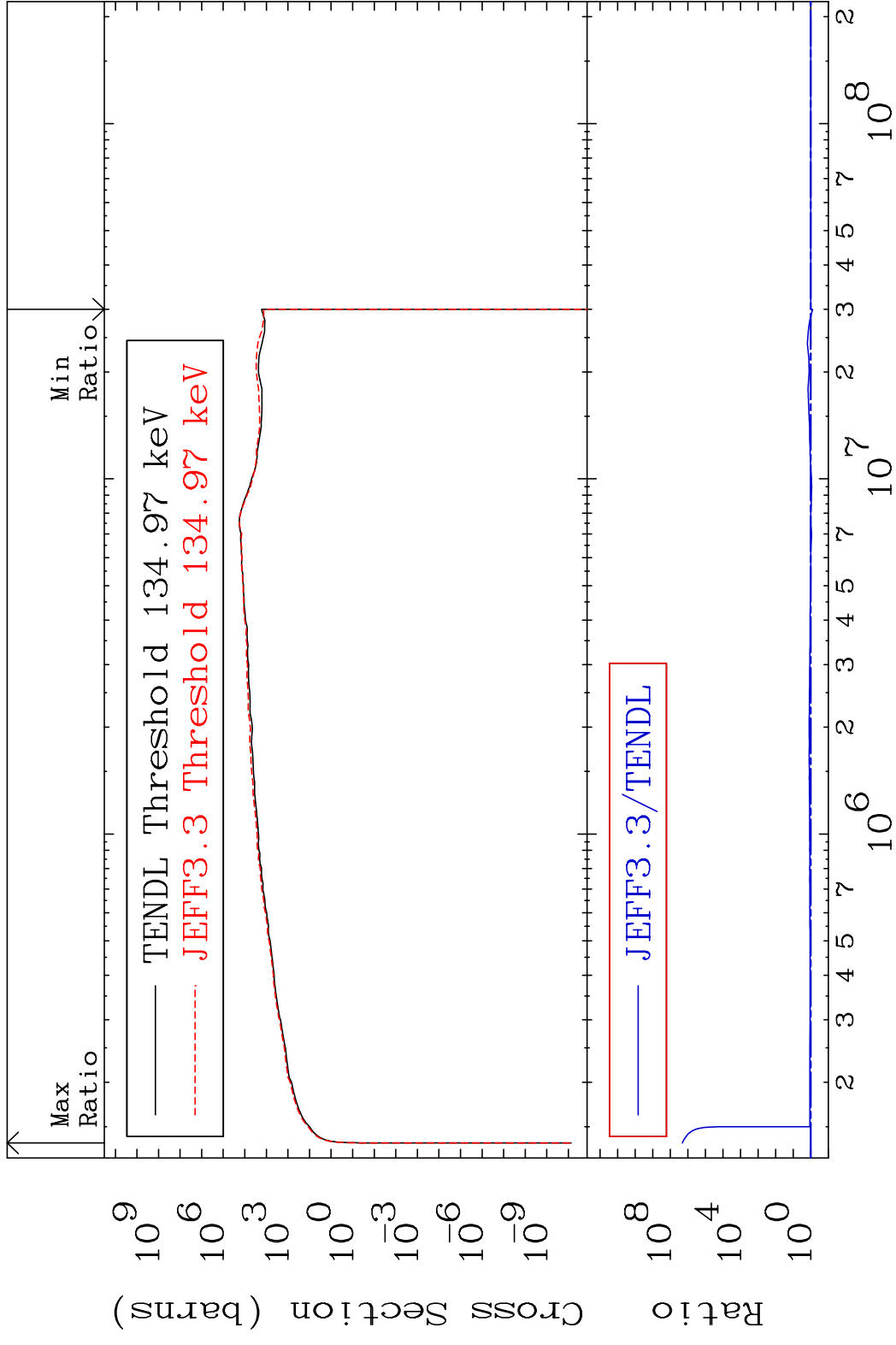
Incident Energy (eV)

75-Re-187

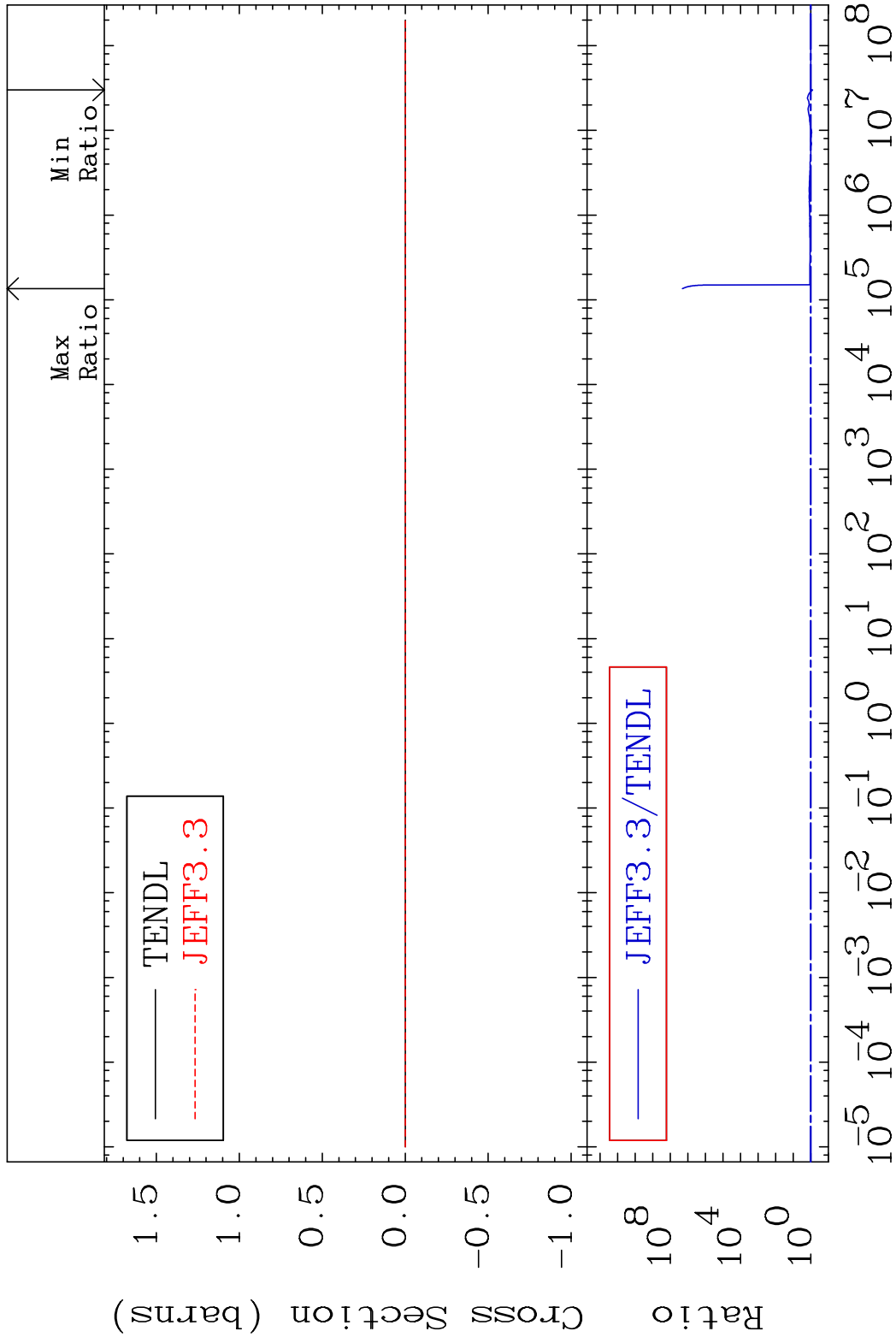
MAT 7531 Kerma non-elastic (all but mt2) 75-Re-187
 Cross Section -99.31 To 2584. %



MAT 7531 Kerma inelastic (mt51-91) 75-Re-187
 Cross Section -20.74 To 9999. %



MAT 7531 Kerma fission (mt18 or mt19-20-21-38)75-Re-187
 Cross Section -20.74 To 9999. %



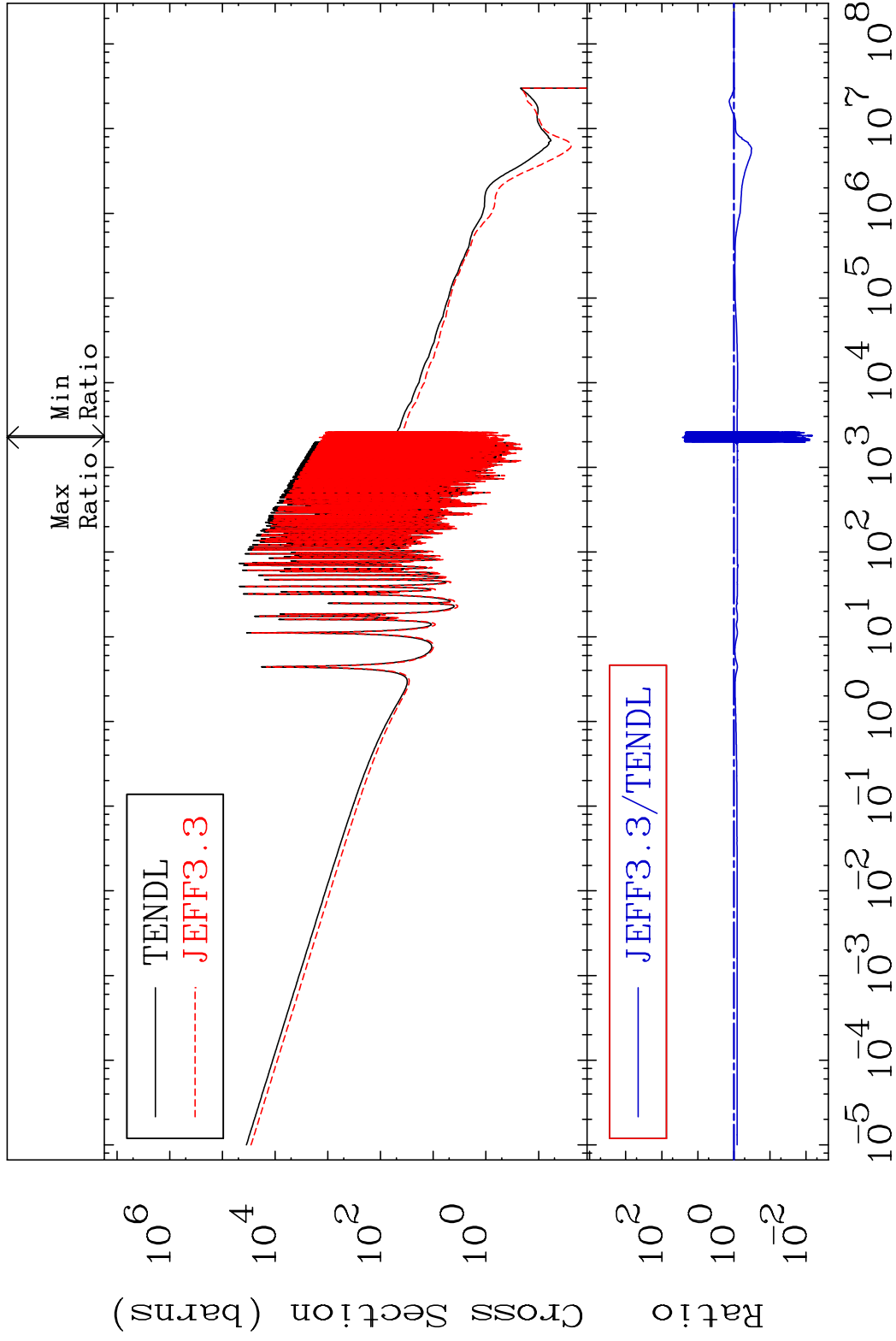
70 Incident Energy (eV) 75-Re-187

MAT 7531

Kerma capture (mt102)

75-Re-187

Cross Section -99.34 To 2584. %



71

Incident Energy (eV)

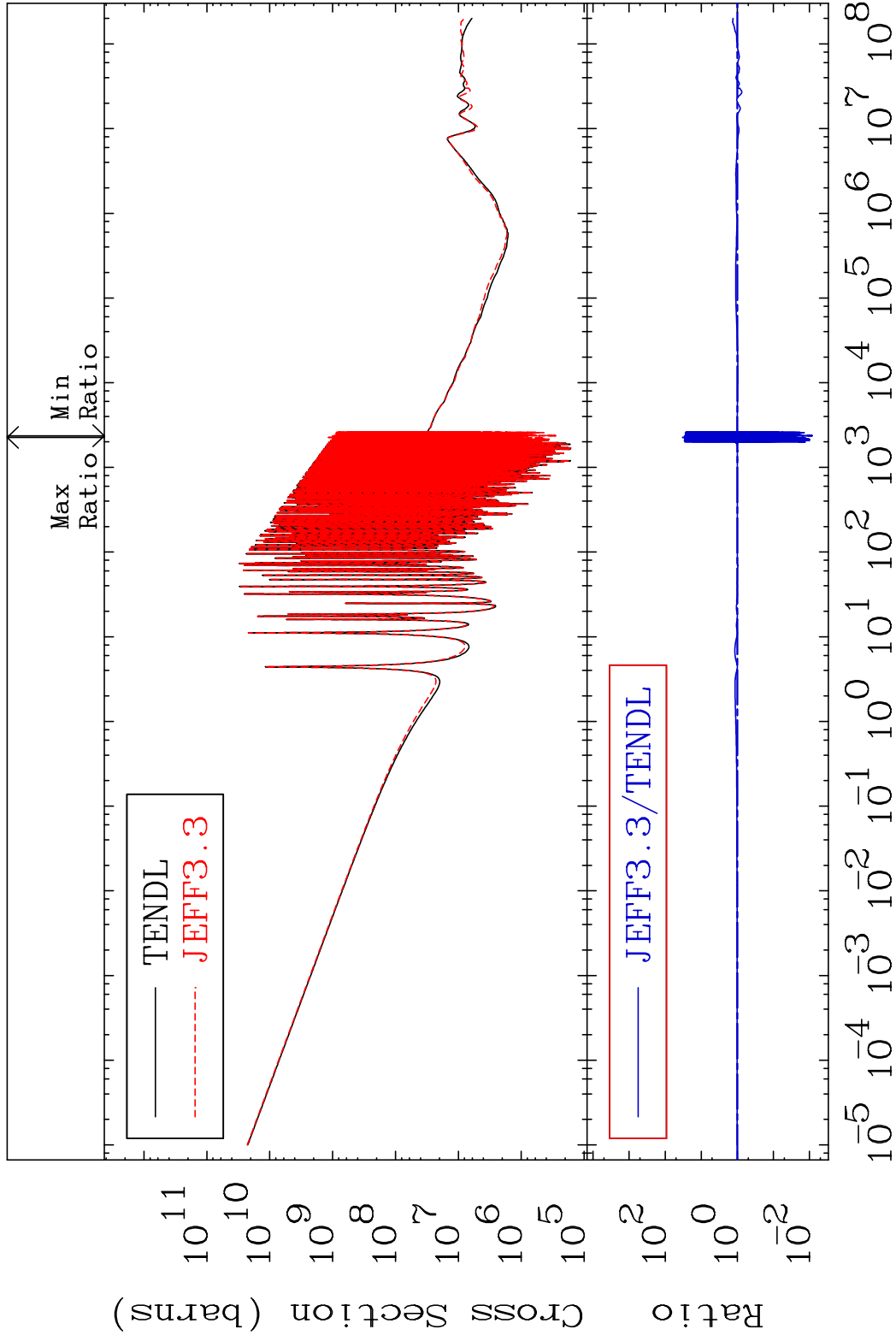
75-Re-187

MAT 7531

Total photon (eV-barns)

75-Re-187

Cross Section -99.18 To 3246. %

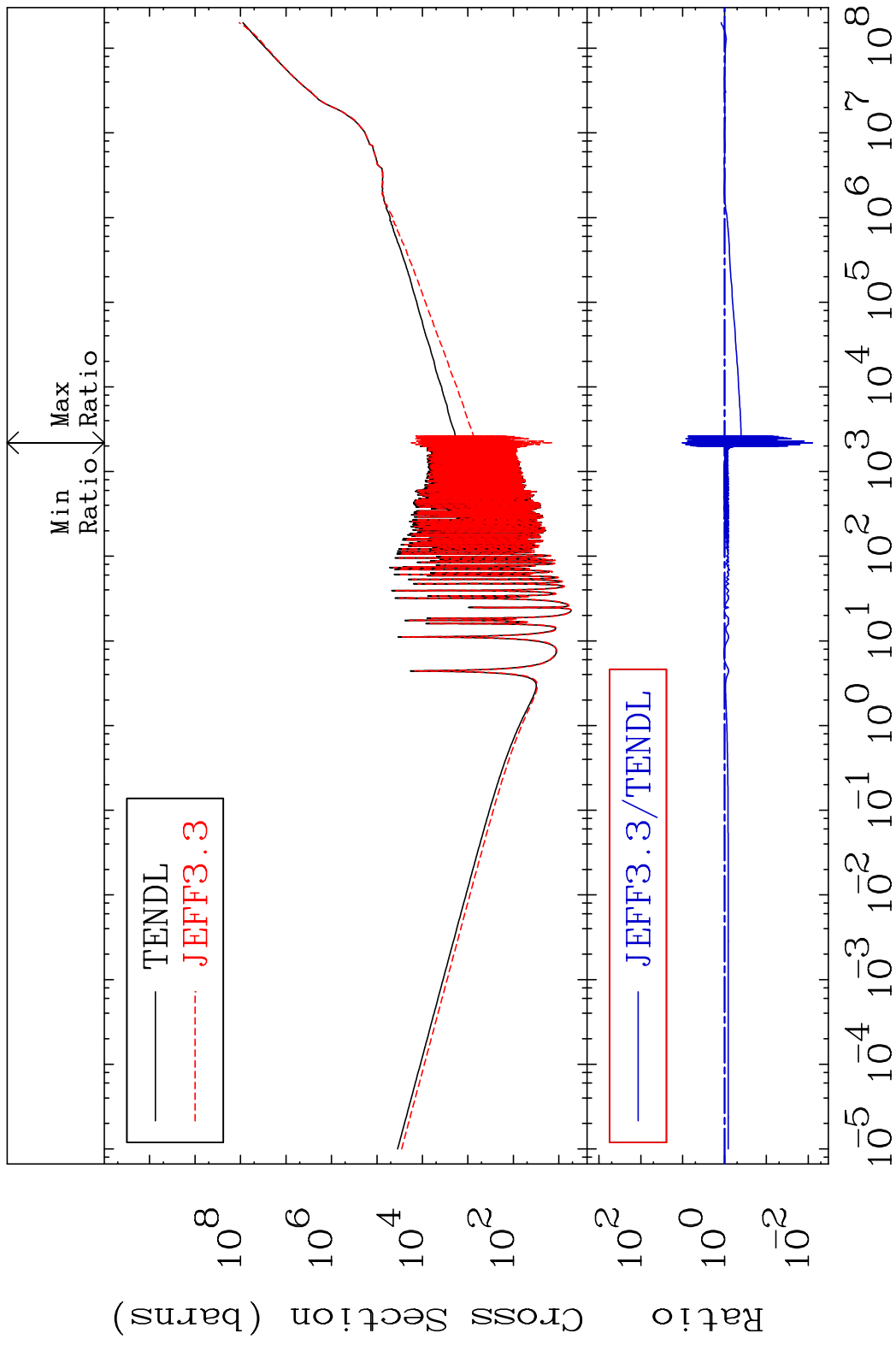


72

Incident Energy (eV)

75-Re-187

MAT 7531 Total kinematic kerma (high limit) 75-Re-187
 Cross Section -99.21 To 919.3 %



73

Incident Energy (eV)

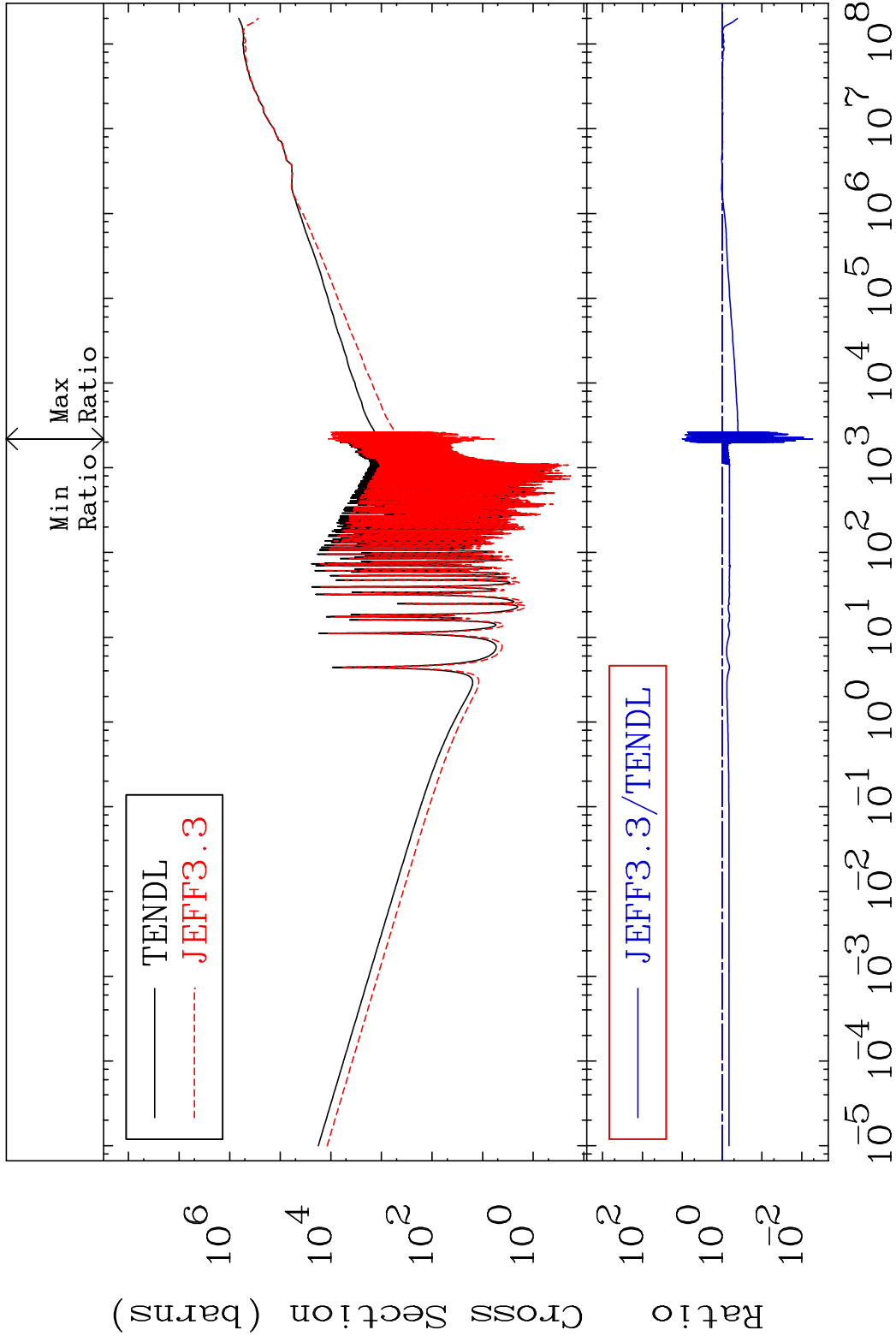
75-Re-187

MAT 7531

Dpa total (eV-barns)

75-Re-187

Cross Section -99.46 To 906.4 %



74

Incident Energy (eV)

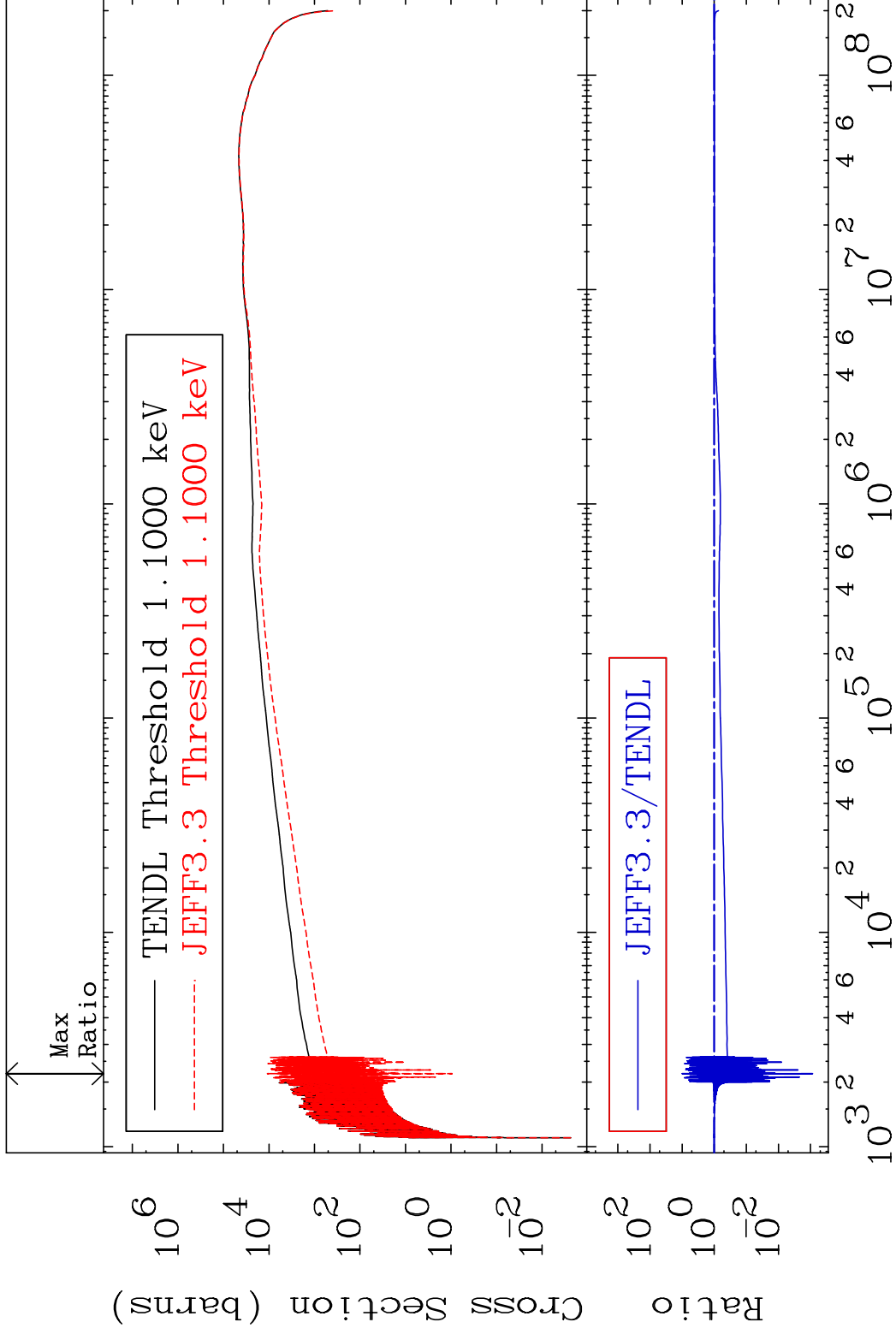
75-Re-187

MAT 7531

Dpa elastic (mt2)

75-Re-187

Cross Section -99.91 To 896.3 %

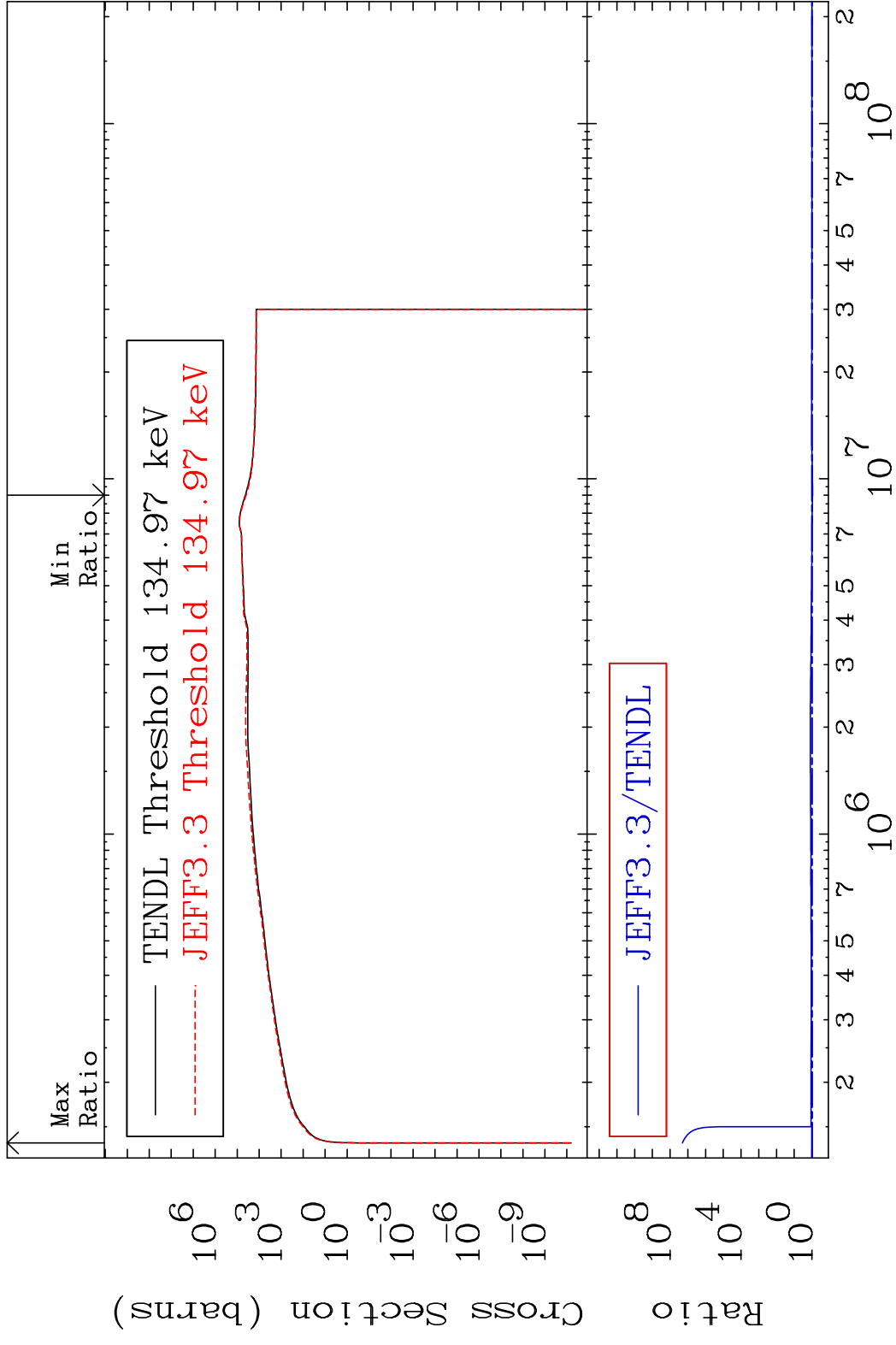


75

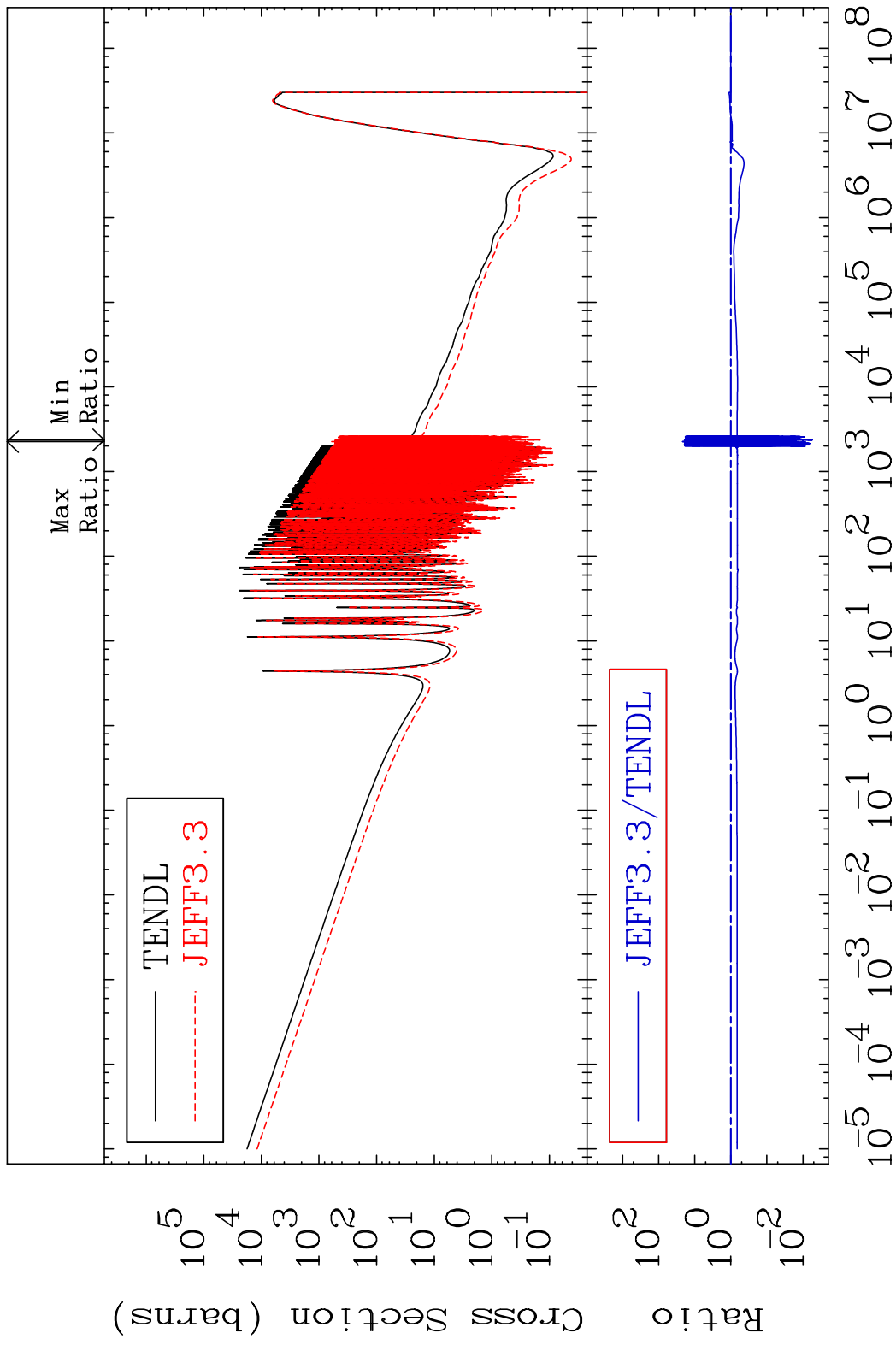
Incident Energy (eV)

75-Re-187

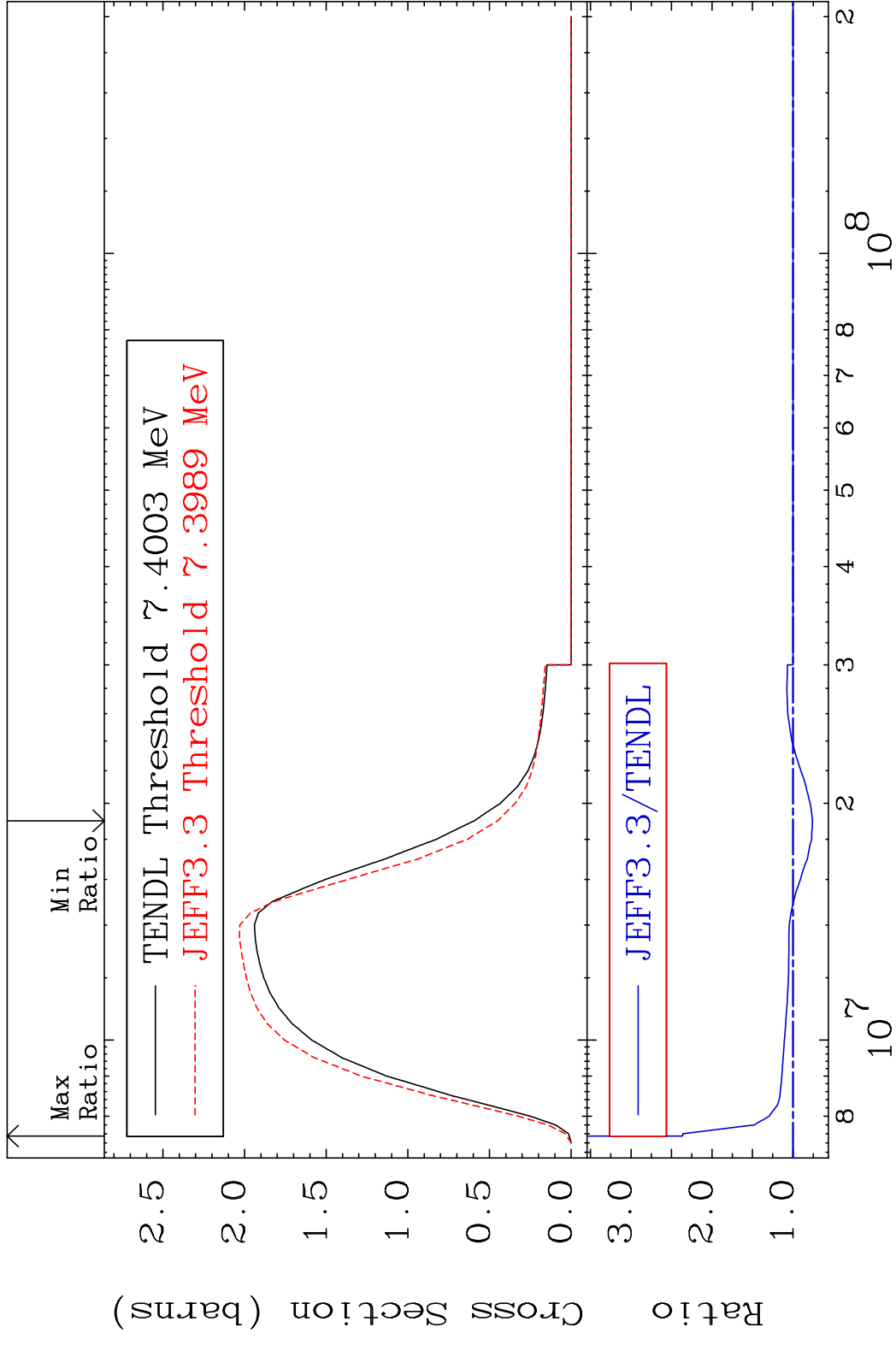
MAT 7531 Dpa inelastic (mt51-91) 75-Re-187
 Cross Section -7.951 To 9999. %



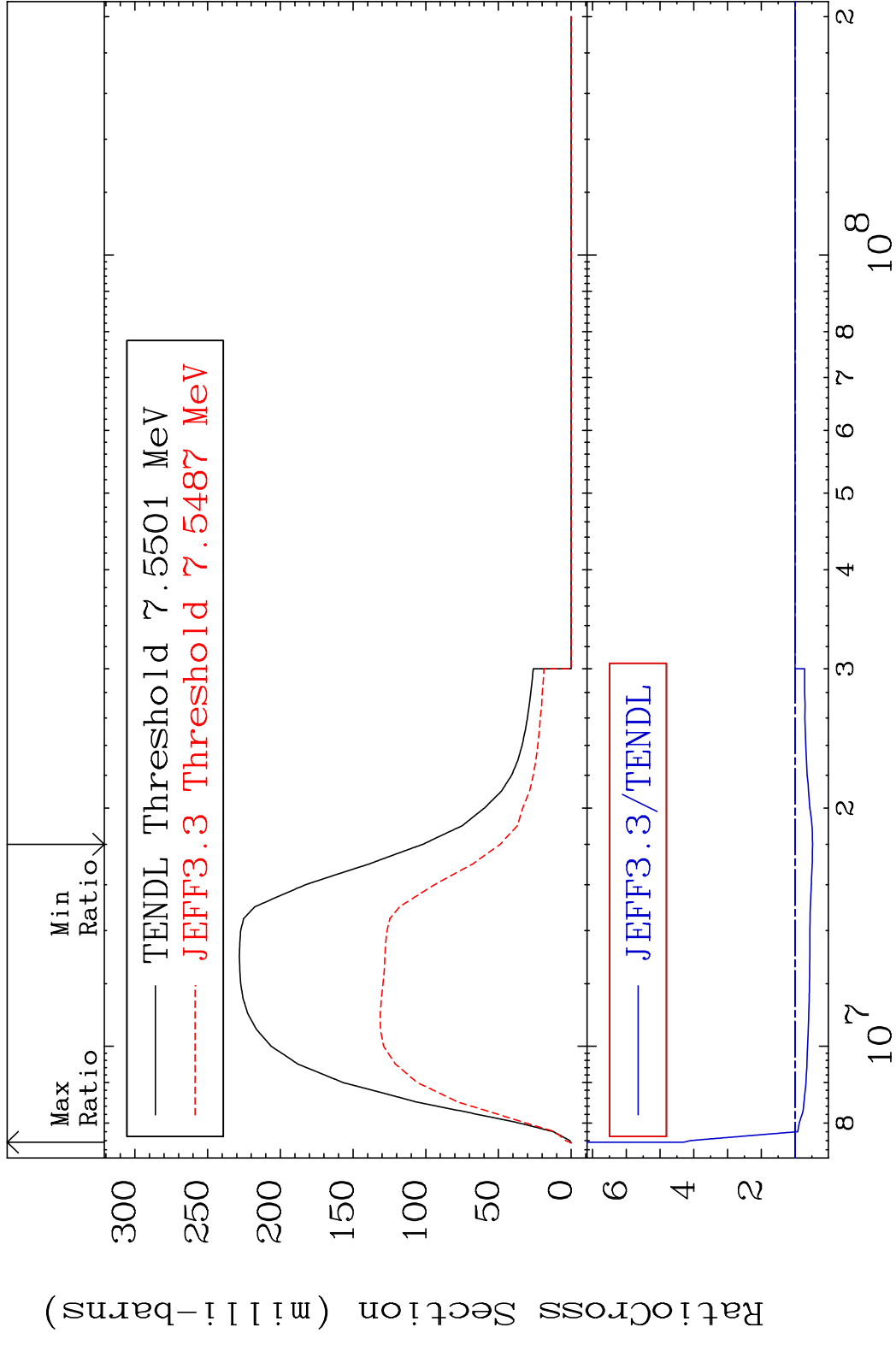
MAT 7531 Dpa disappearance (mt102 -120) 75-Re-187
 Cross Section -99.46 To 2098. %

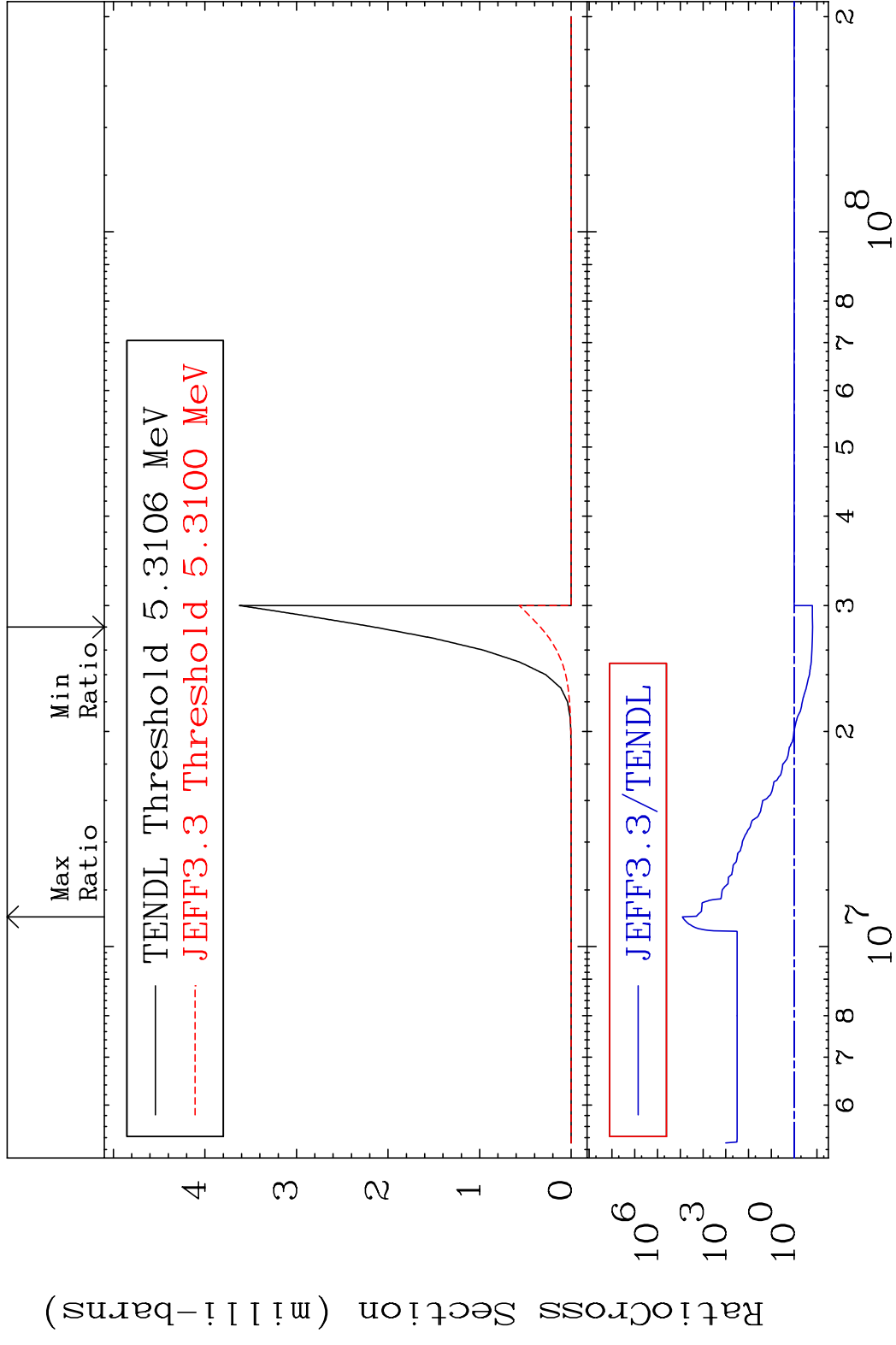


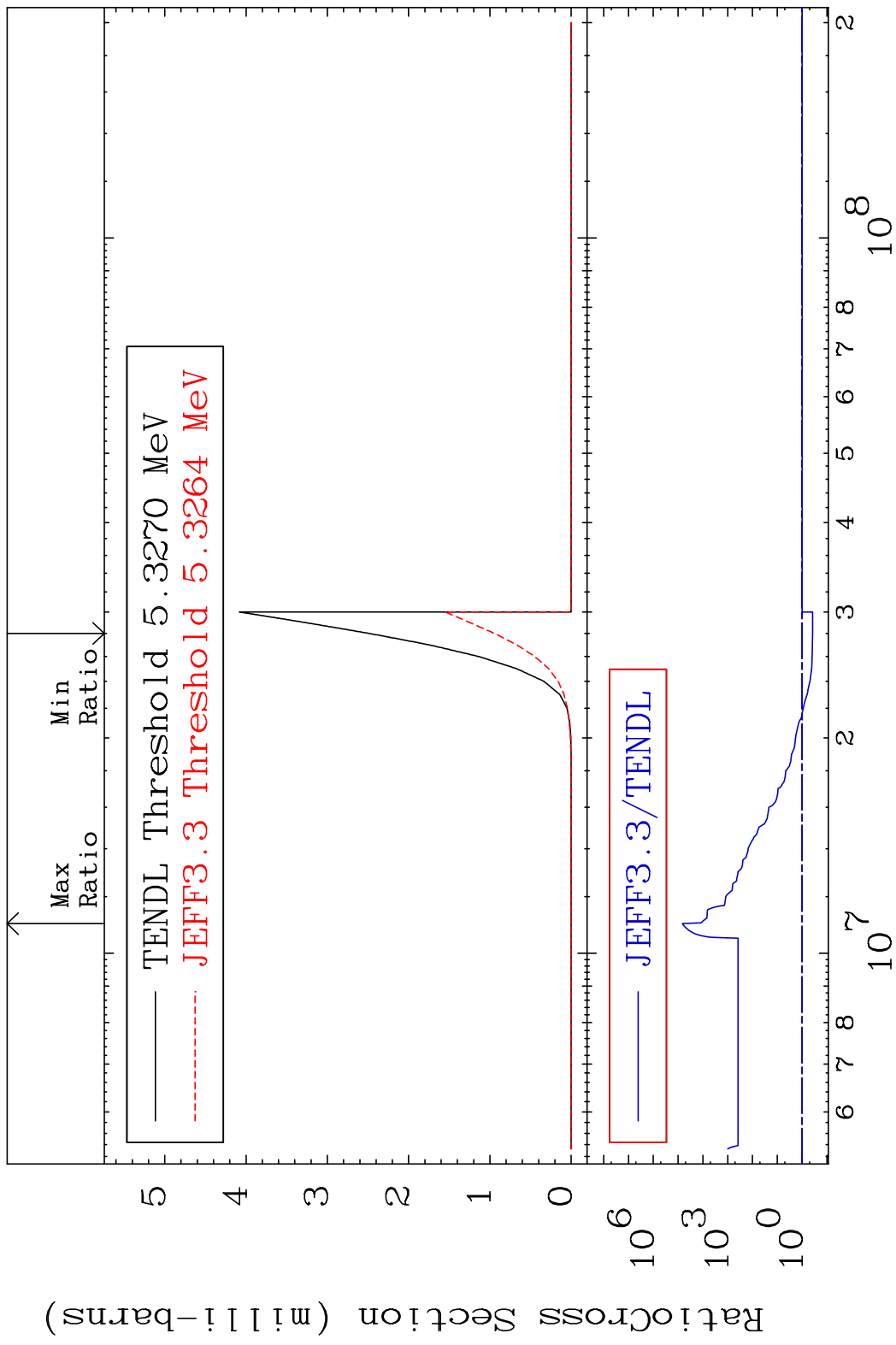
MAT 7531 (n,2n):75-Re-186g 75-Re-187
 Radionuclide Production Cross Section 136.6 %



MAT 7531 (n,2n):75-Re-186m4 75-Re-187
 Radionuclide Production Cross Section 333.8 %







MAT 7531 (n,4n):75-Re-184g 75-Re-187
 Radionuclide Production Cross Section 4418. %

