

Program Complot
(Version 2021-1)

by

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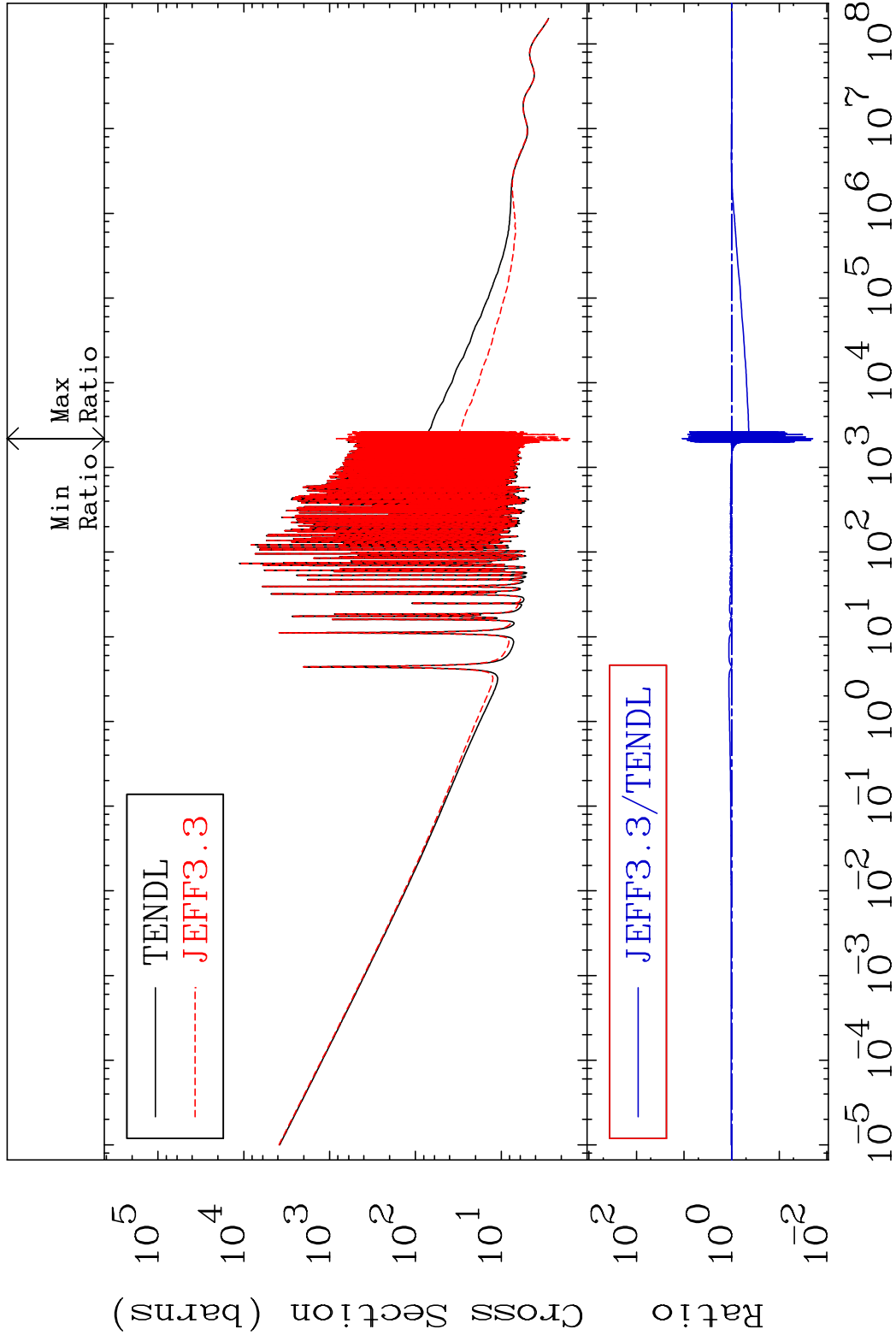
Press Mouse Button to Start

MAT 7531

Total

75-Re-187

Cross Section -98.01 To 985.0 %



1

Incident Energy (eV)

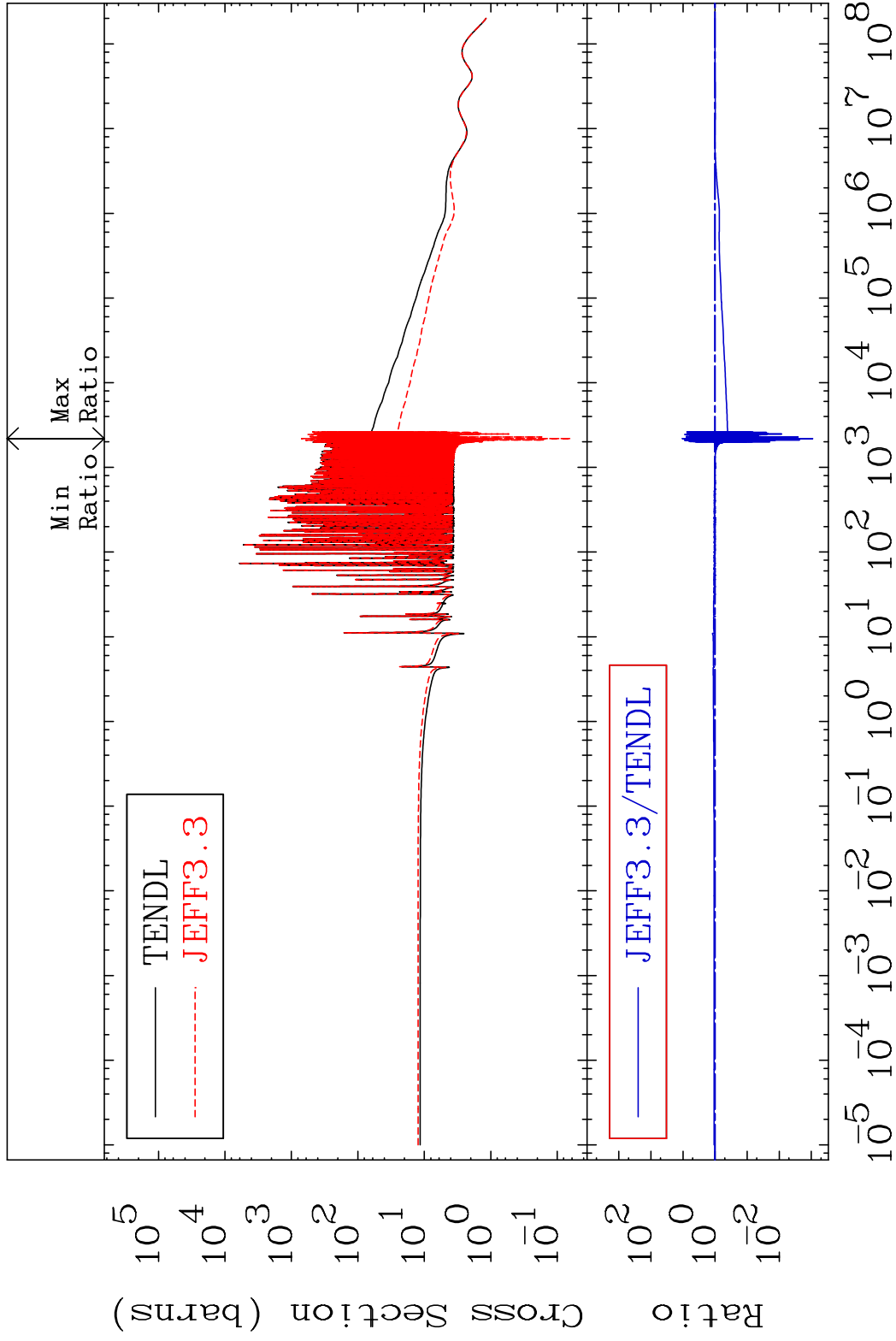
75-Re-187

MAT 7531

Elastic

75-Re-187

Cross Section -99.91 To 948.7 %



2

Incident Energy (eV)

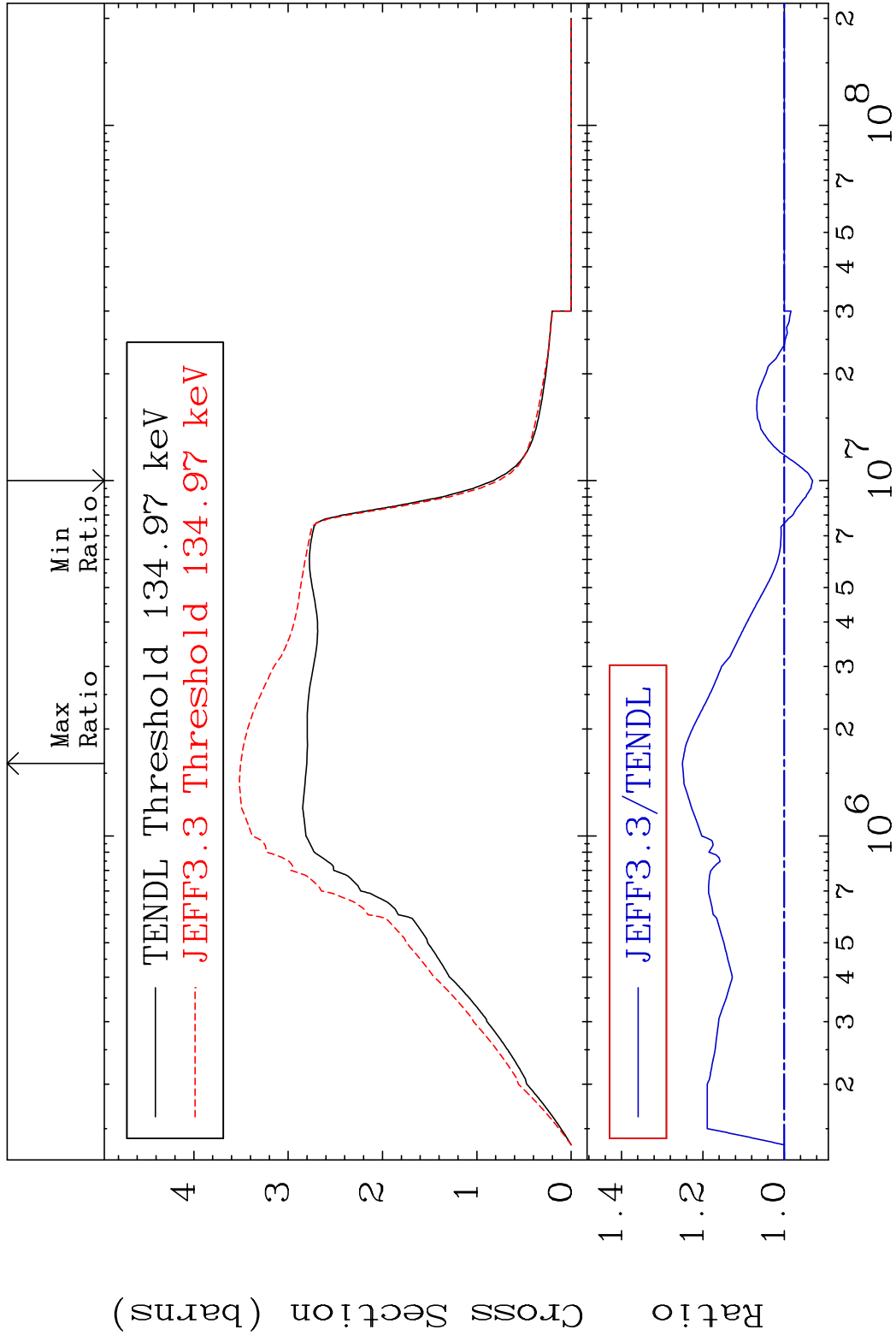
75-Re-187

MAT 7531

Inelastic

75-Re-187

Cross Section -6.961 To 25.04 %



3

Incident Energy (eV)

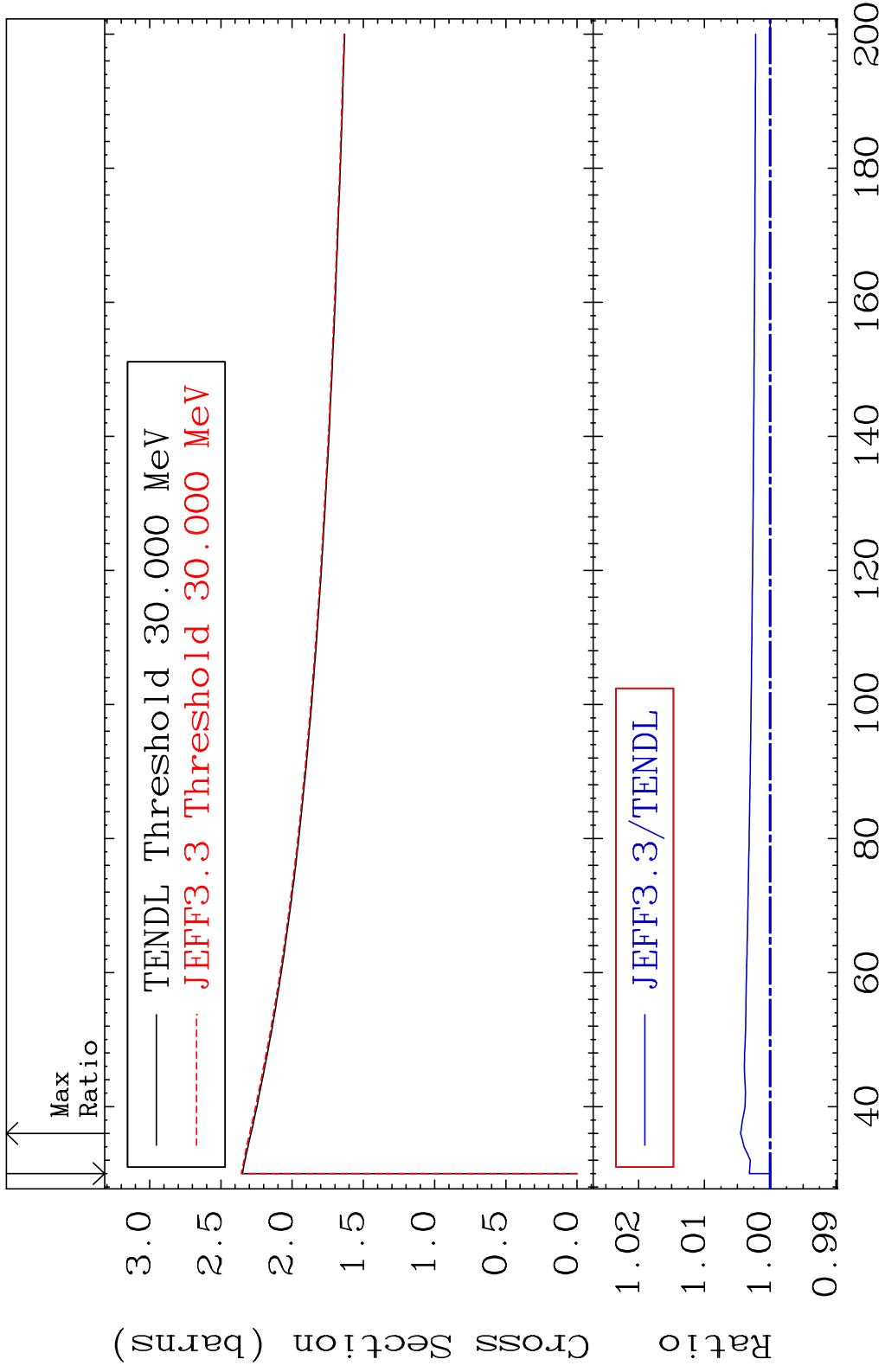
75-Re-187

MAT 7531

(n, remainder)

75-Re-187

Cross Section 0.000 To 0.448 %

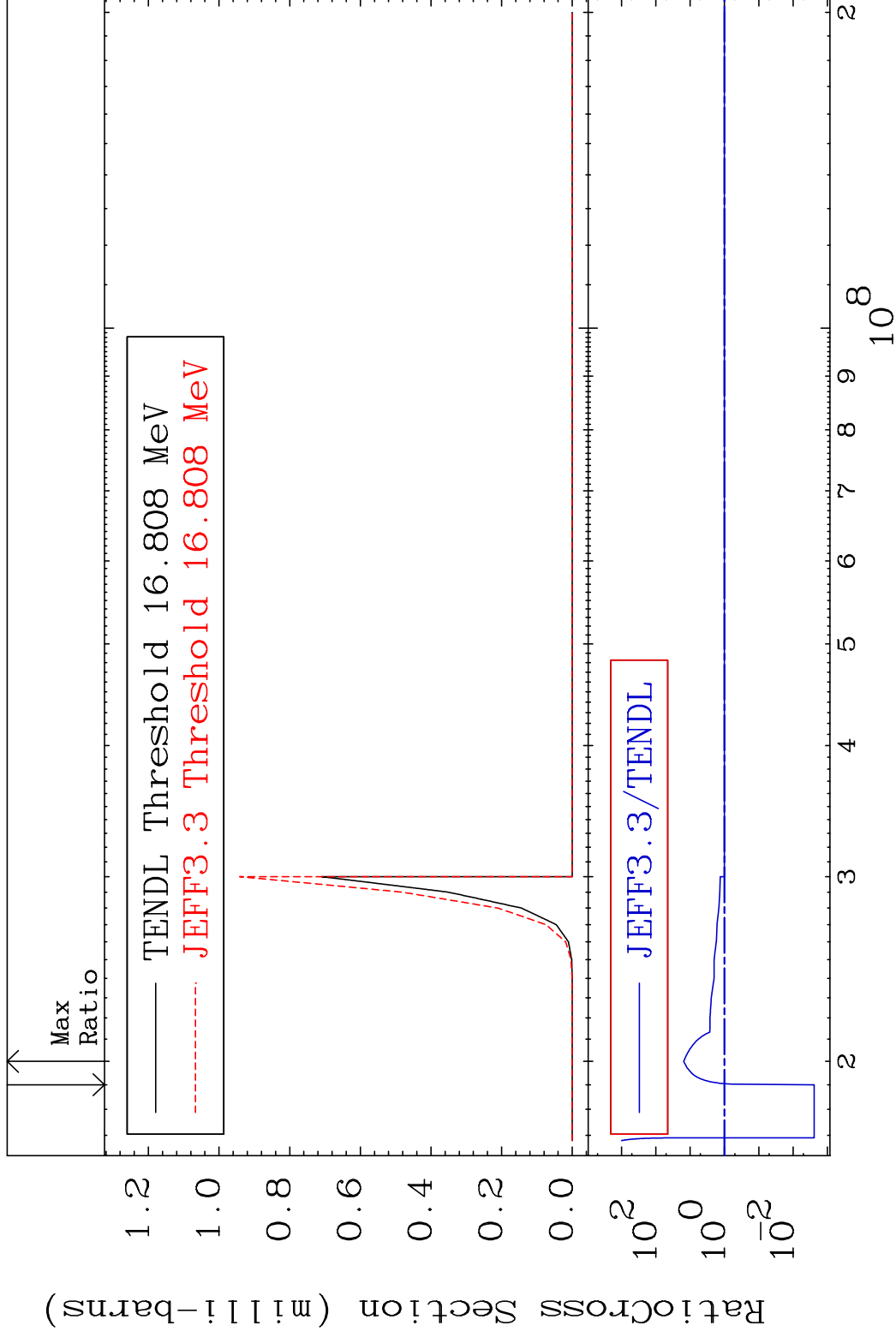


MAT 7531

(n,2n) d

75-Re-187

Cross Section -99.76 To 1446. %

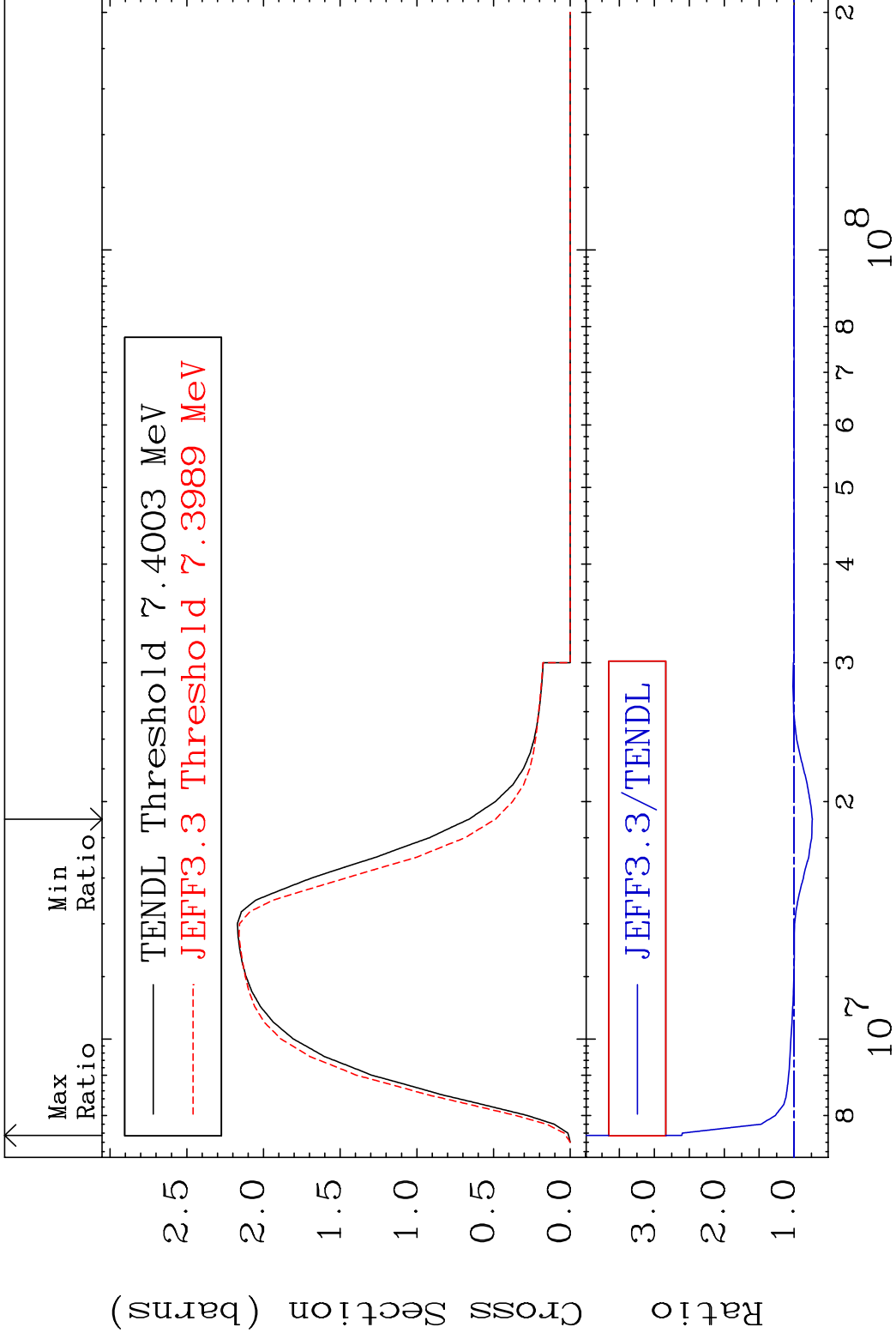


MAT 7531

(n,2n)

75-Re-187

Cross Section -26.10 To 160.8 %



6

Incident Energy (eV)

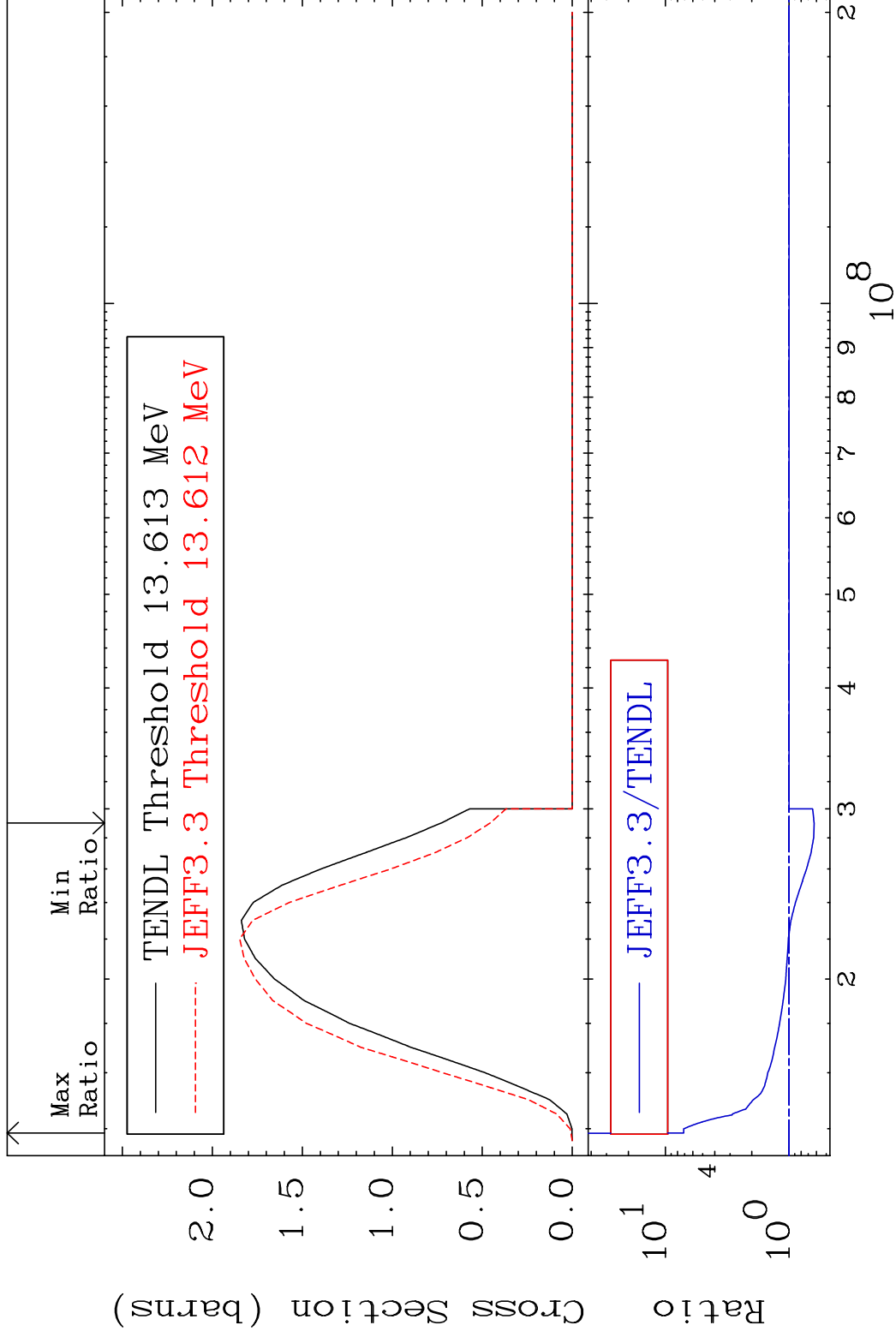
75-Re-187

MAT 7531

(n,3n)

75-Re-187

Cross Section -37.28 To 613.1 %



7

Incident Energy (eV)

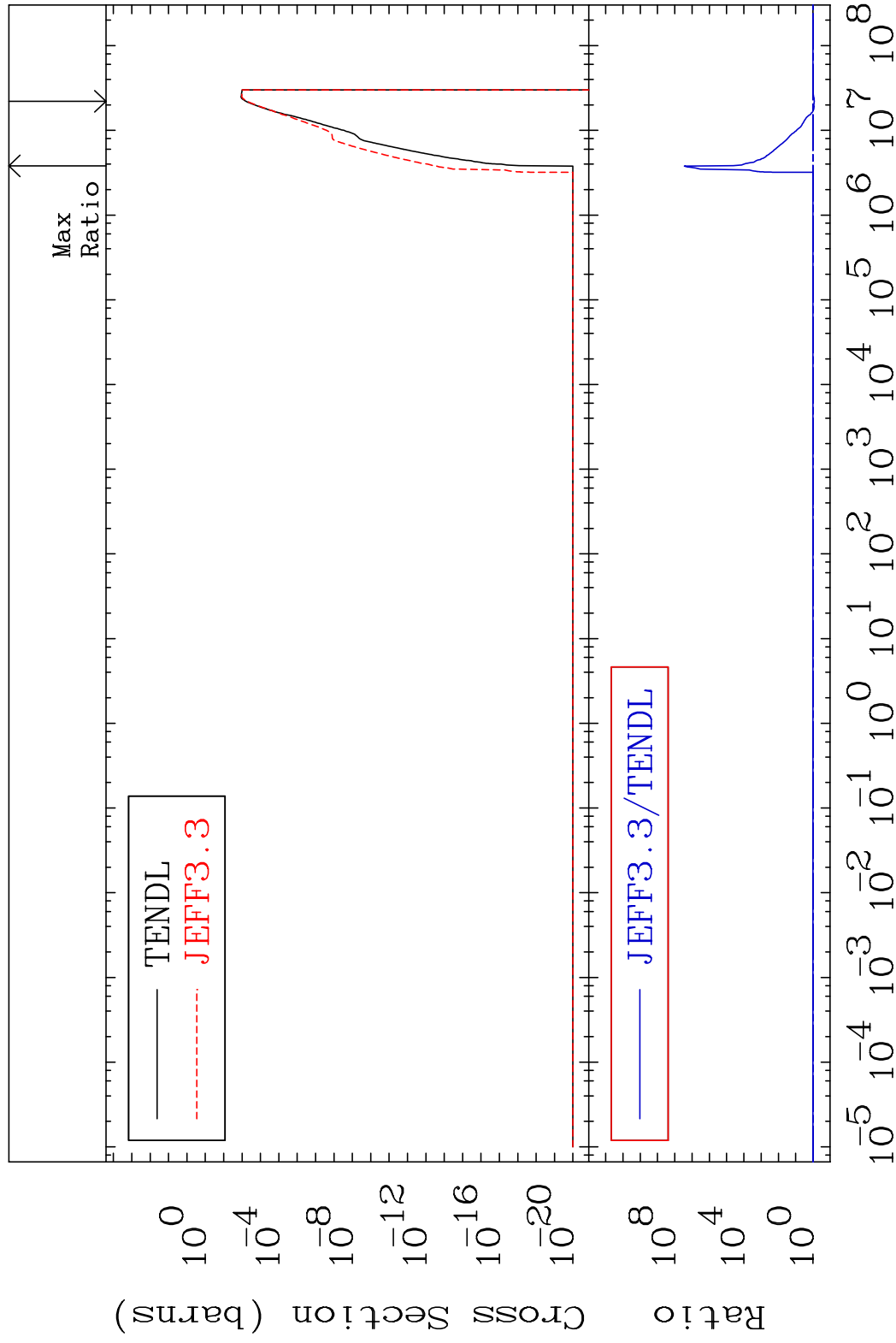
75-Re-187

MAT 7531

(n, n') α

75-Re-187

Cross Section -15.95 To 9999. %

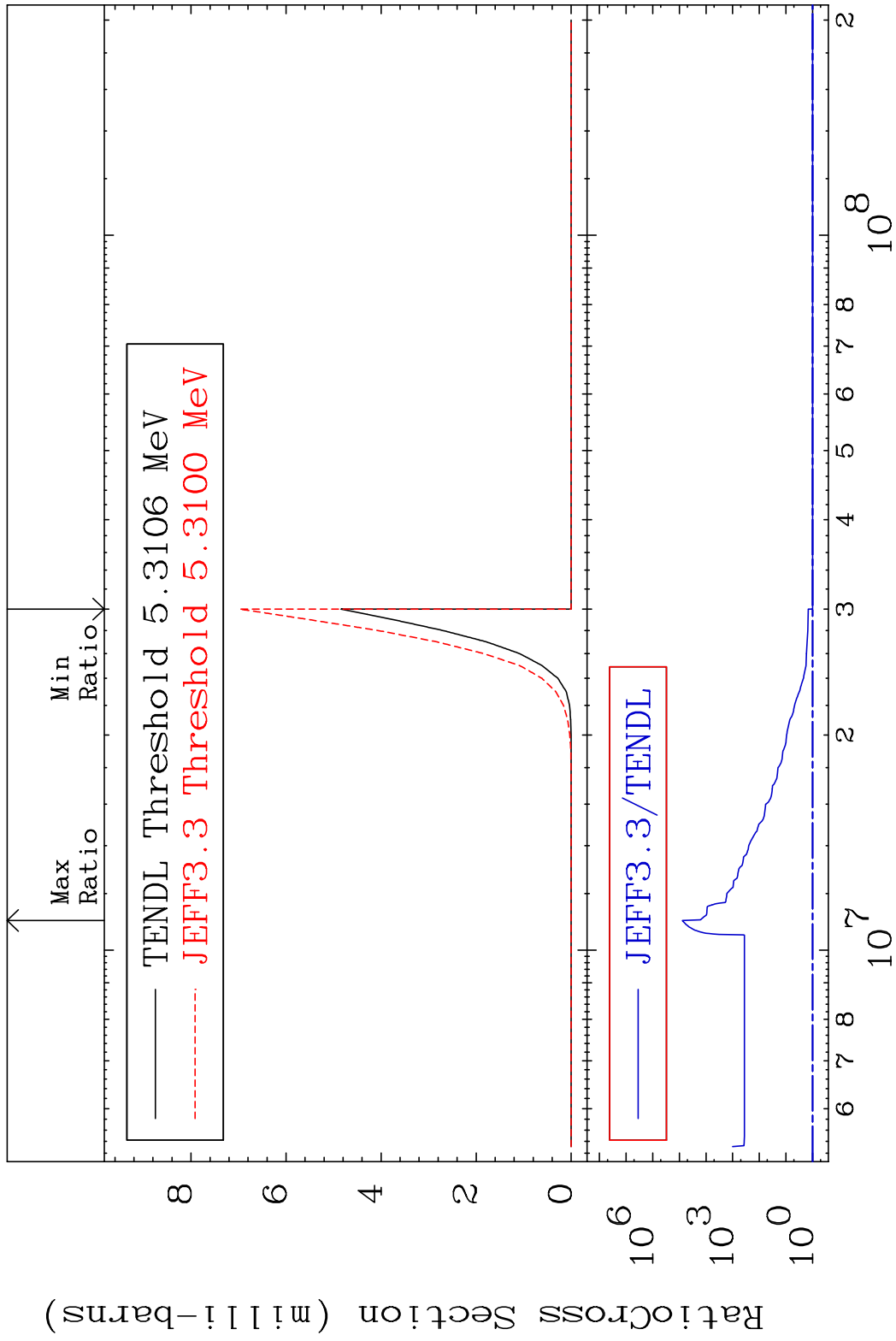


MAT 7531

(n,2n) α

75-Re-187

Cross Section 0.000 To 9999. %



9

Incident Energy (eV)

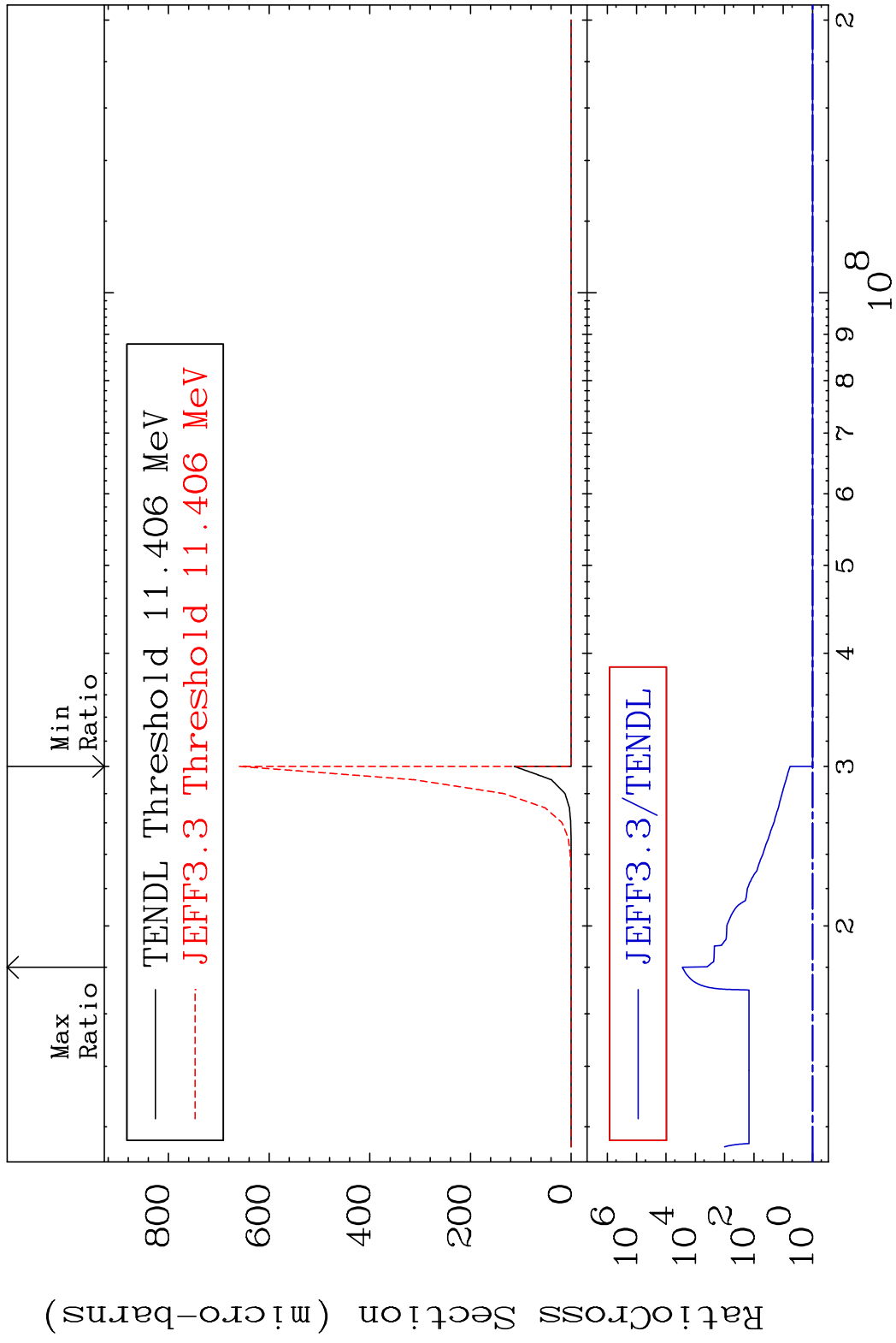
75-Re-187

MAT 7531

(n,3n) α

75-Re-187

Cross Section 0.000 To 9999. %



10

Incident Energy (eV)

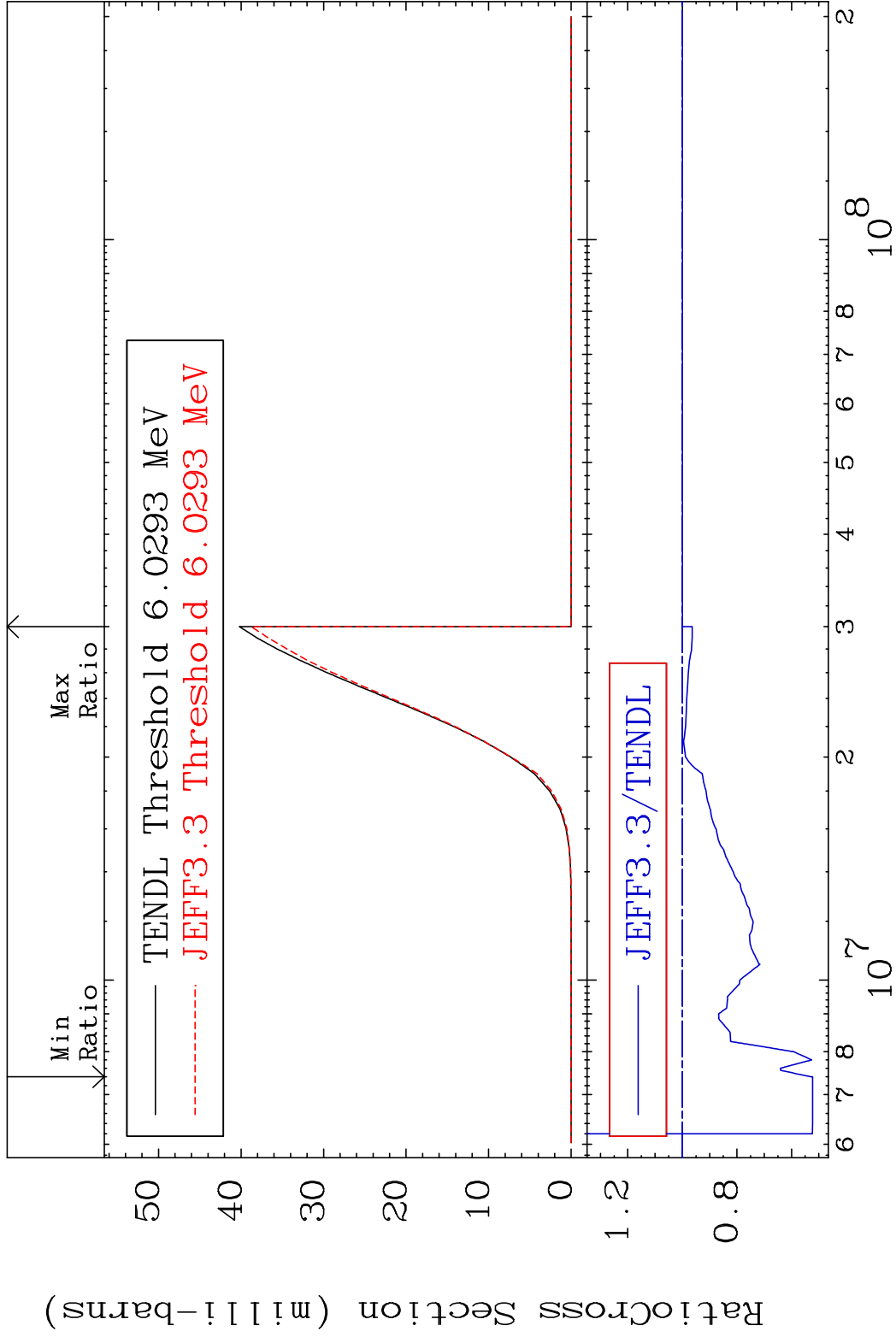
75-Re-187

MAT 7531

(n, n') p

75-Re-187

Cross Section -47.70 To 0.000 %

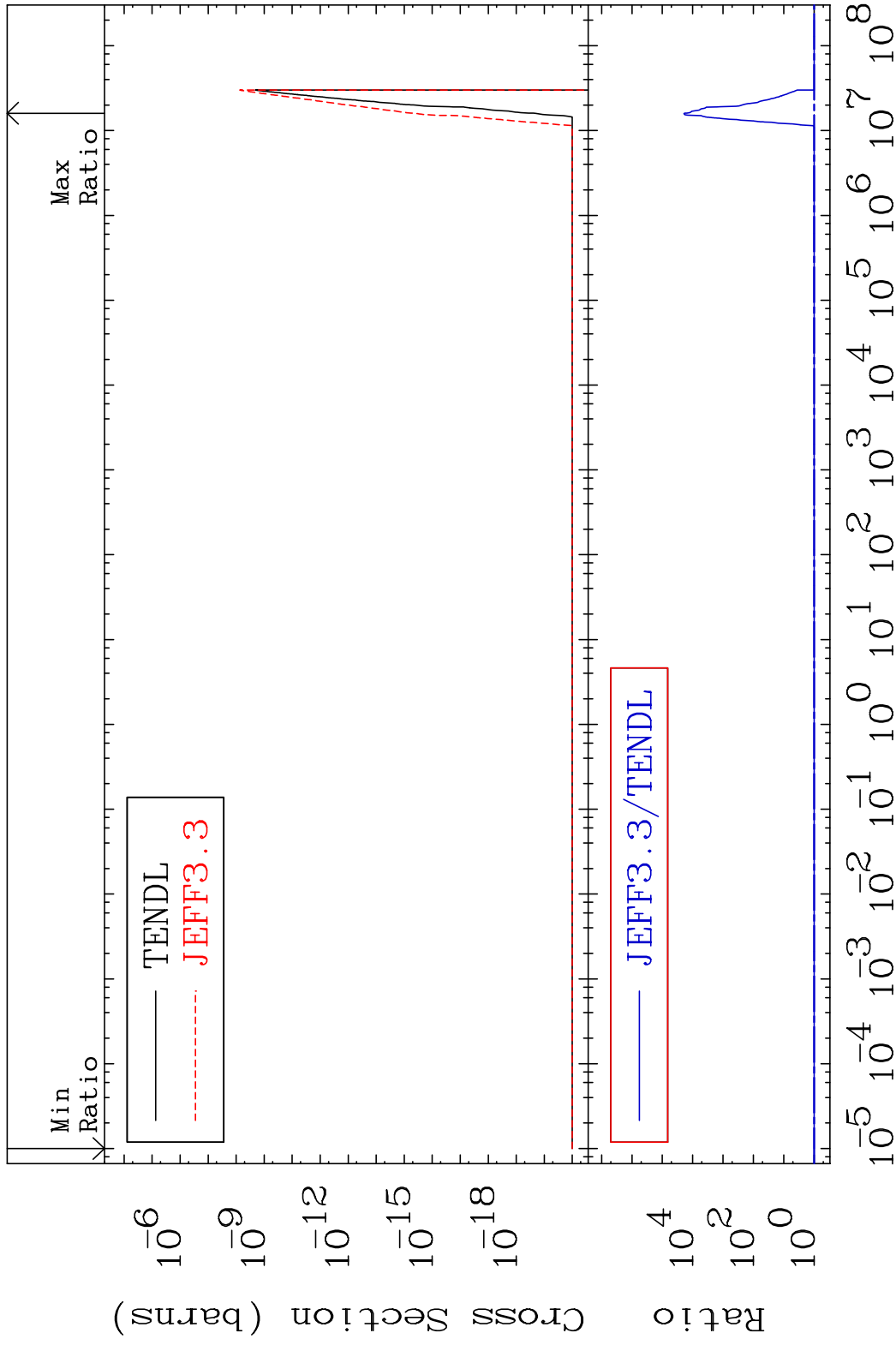


MAT 7531

(n, n') 2α

75-Re-187

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

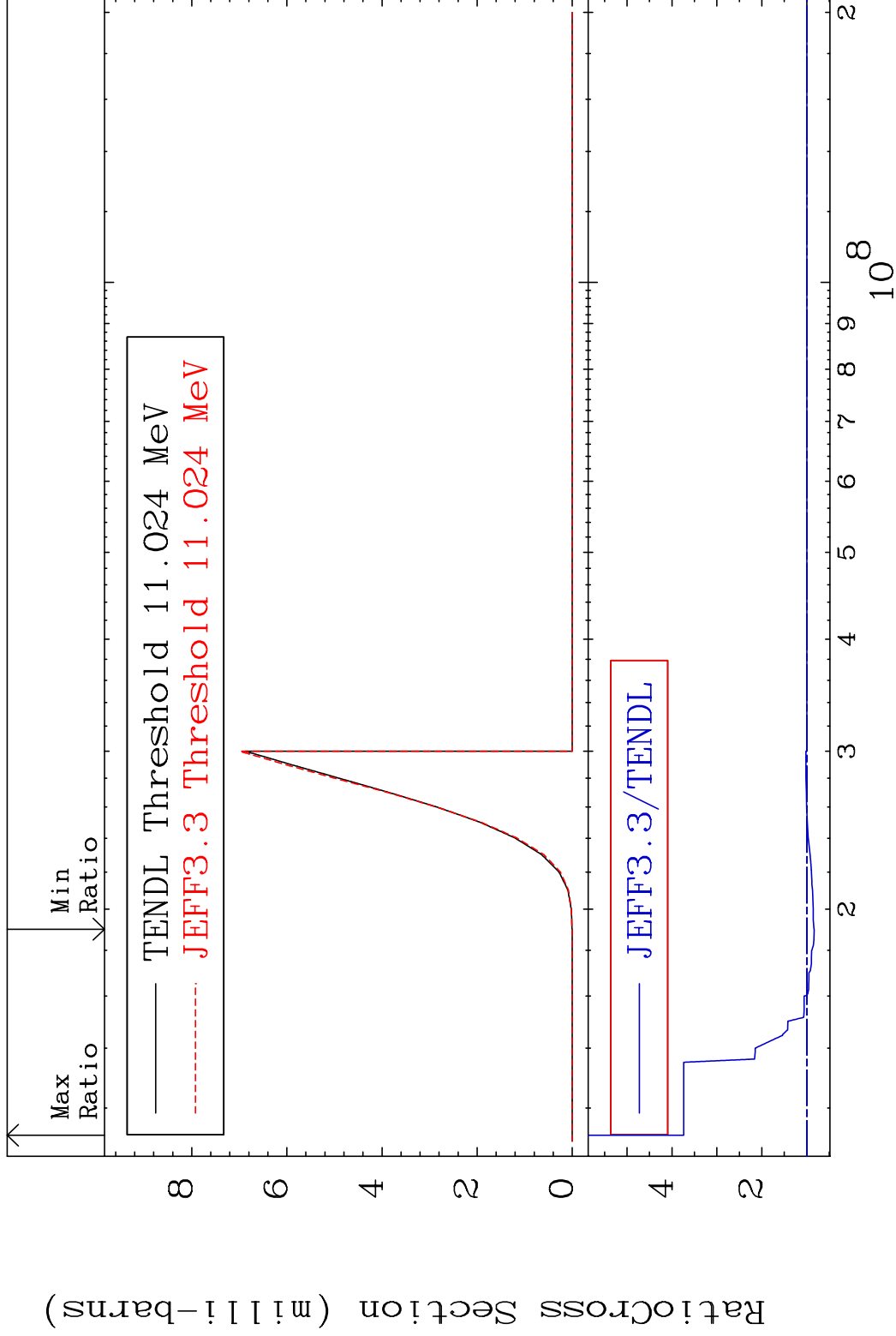
75-Re-187

MAT 7531

(n, n') d

75-Re-187

Cross Section -16.34 To 274.0 %

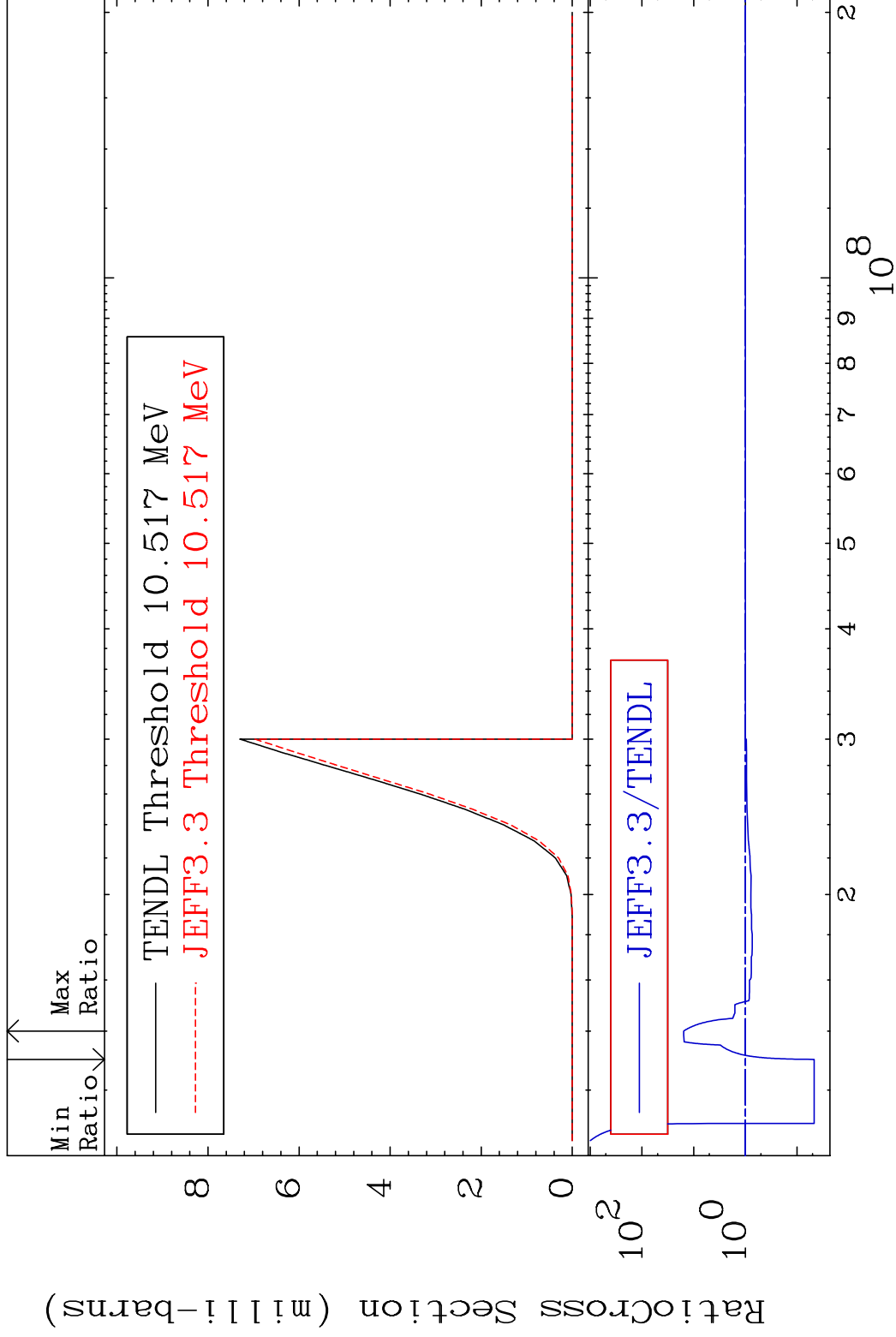


MAT 7531

(n, n') t

75-Re-187

Cross Section -95.33 To 1461. %

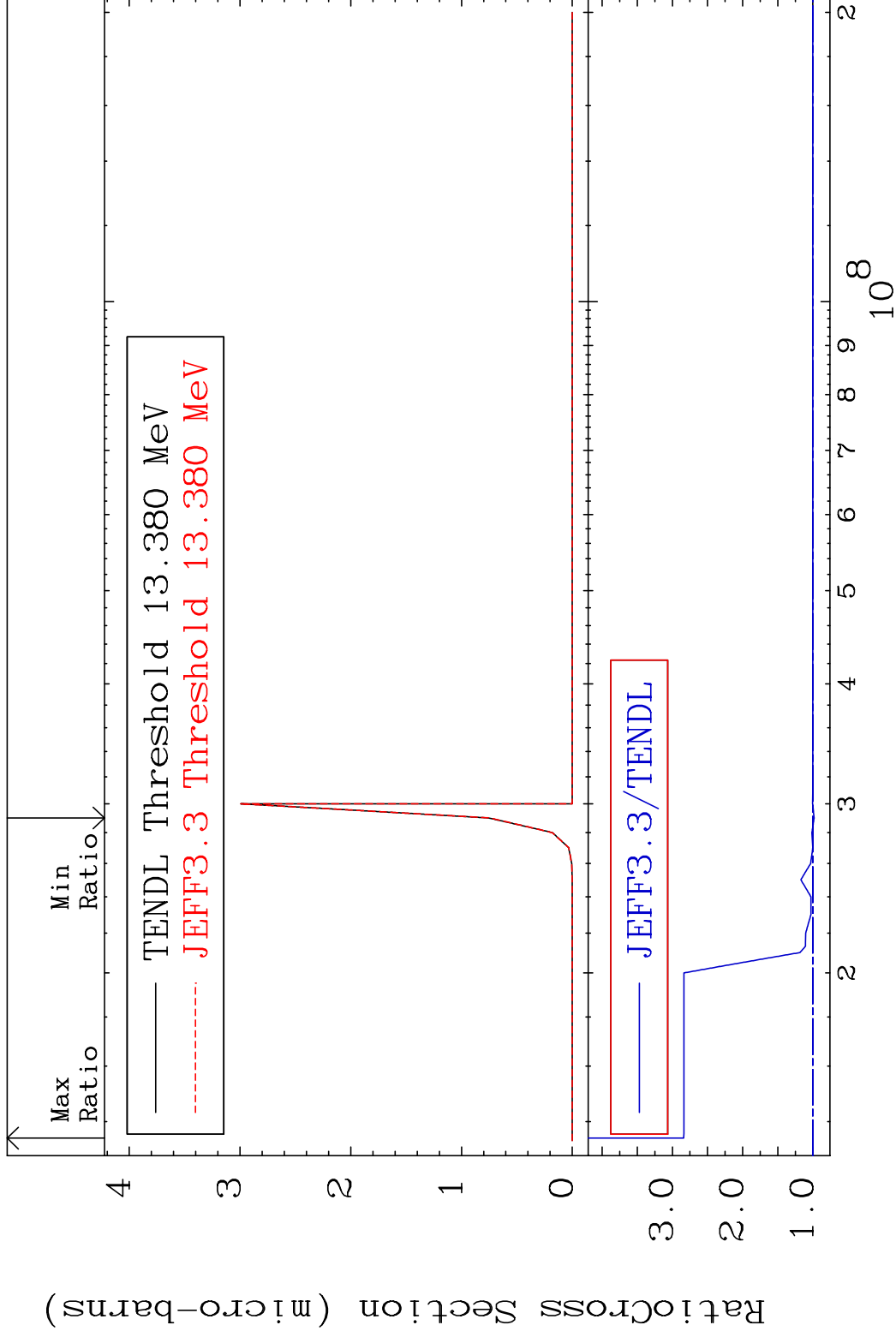


MAT 7531

(n,n') He-3

75-Re-187

Cross Section -1.747 To 184.0 %

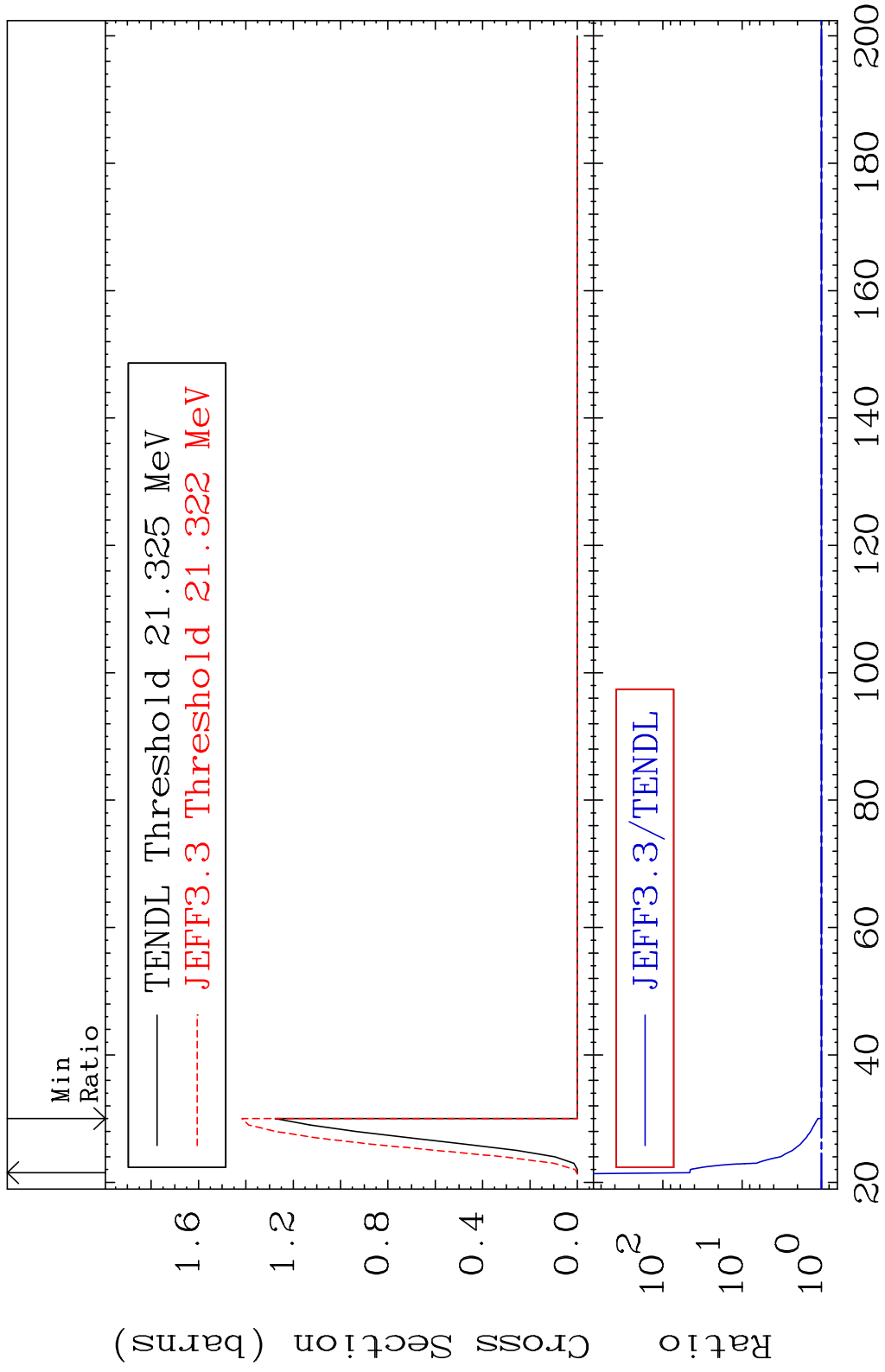


MAT 7531

(n,4n)

75-Re-187

Cross Section 0.000 To 4463. %

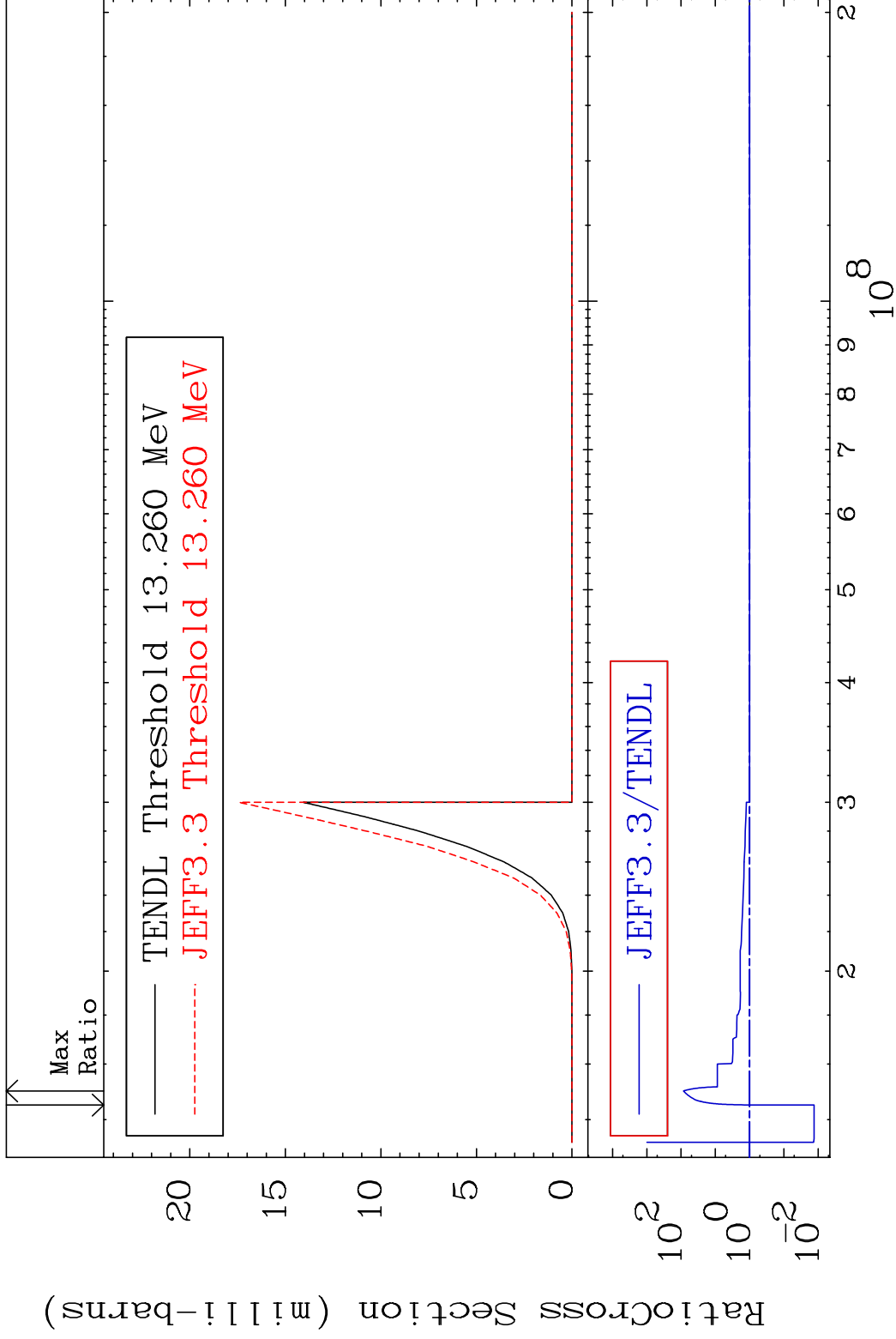


MAT 7531

(n,2n) p

75-Re-187

Cross Section -98.68 To 8425. %

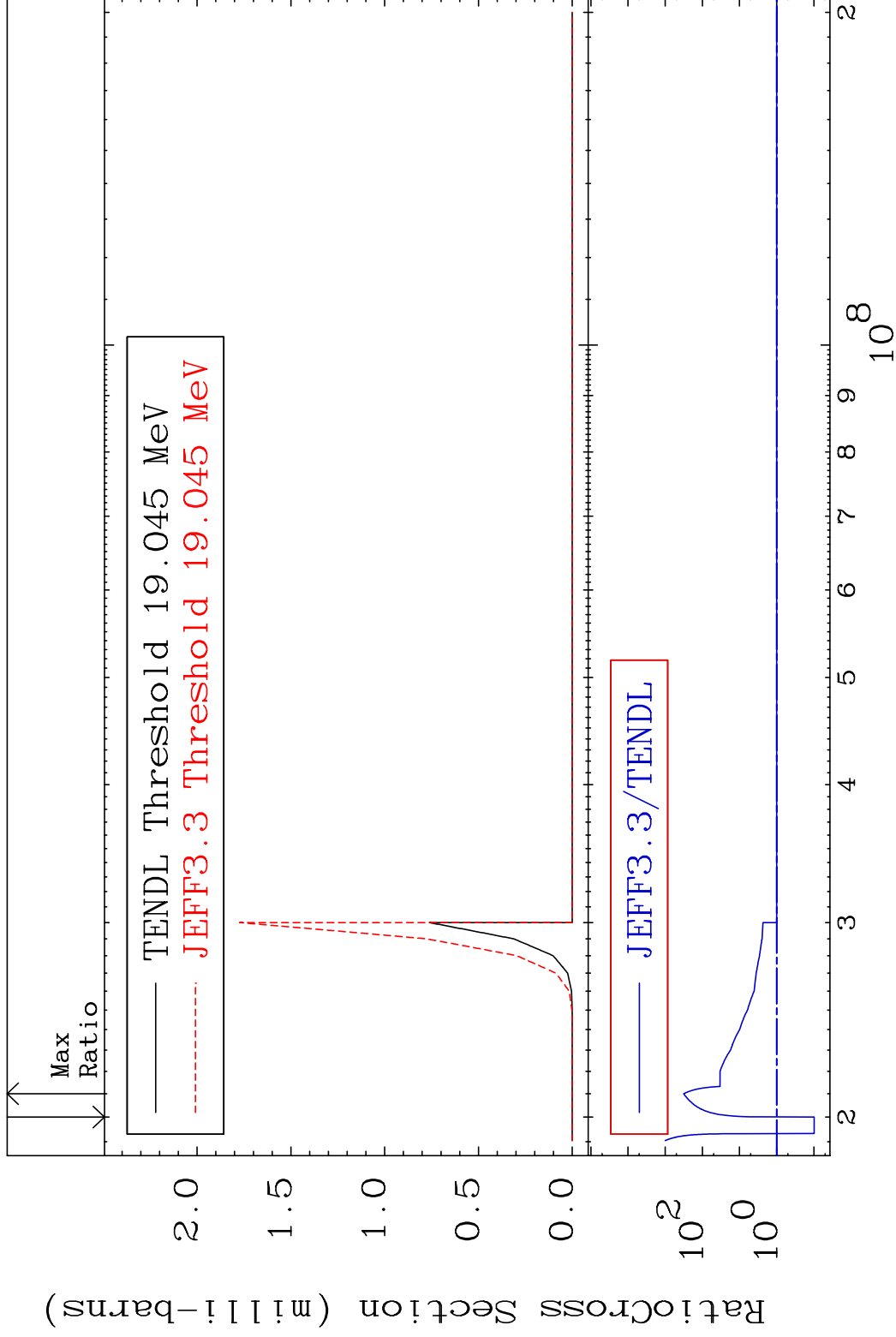


MAT 7531

(n,3n) p

75-Re-187

Cross Section -90.14 To 9999. %

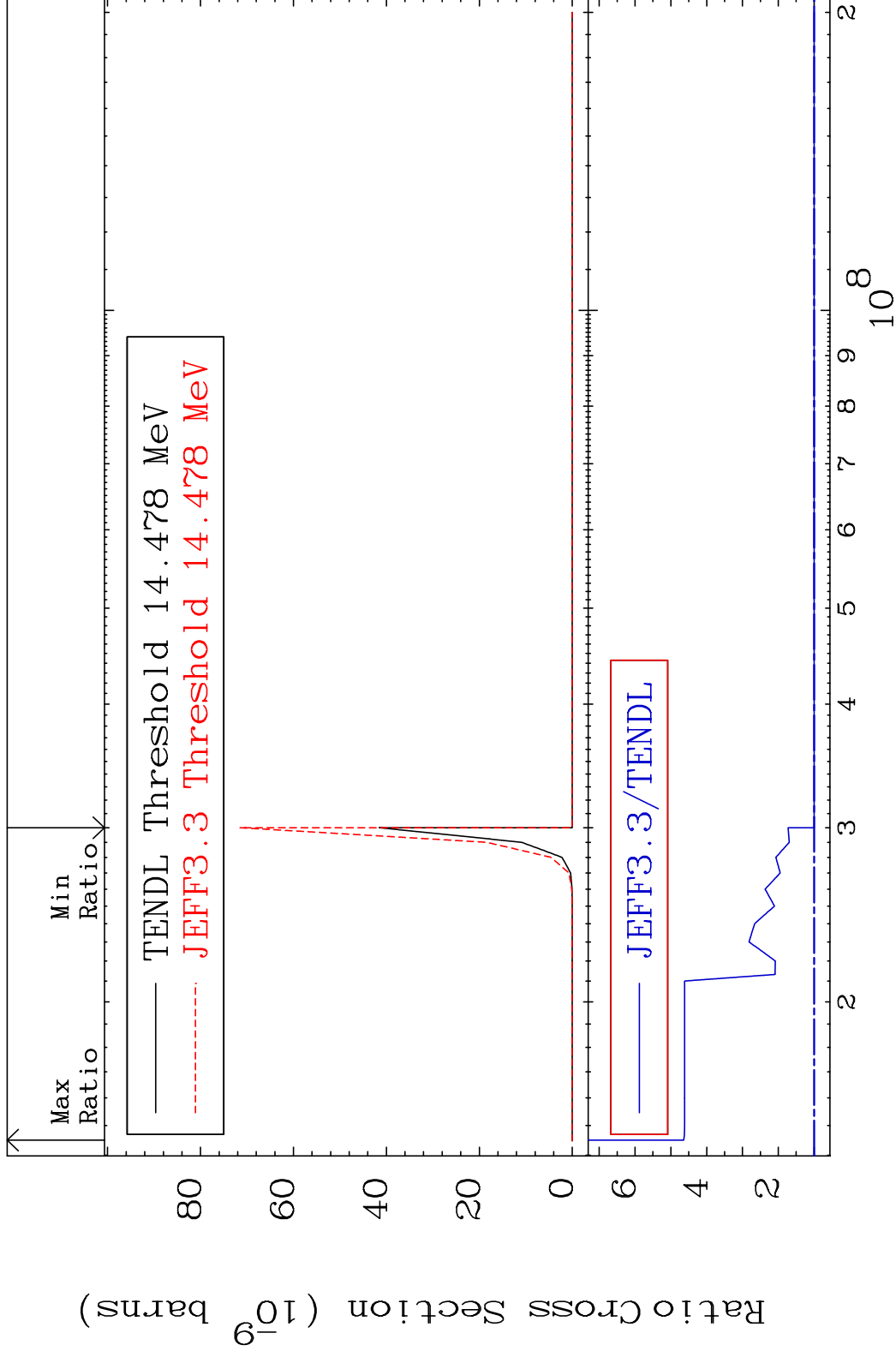


MAT 7531

(n,2n) p

75-Re-187

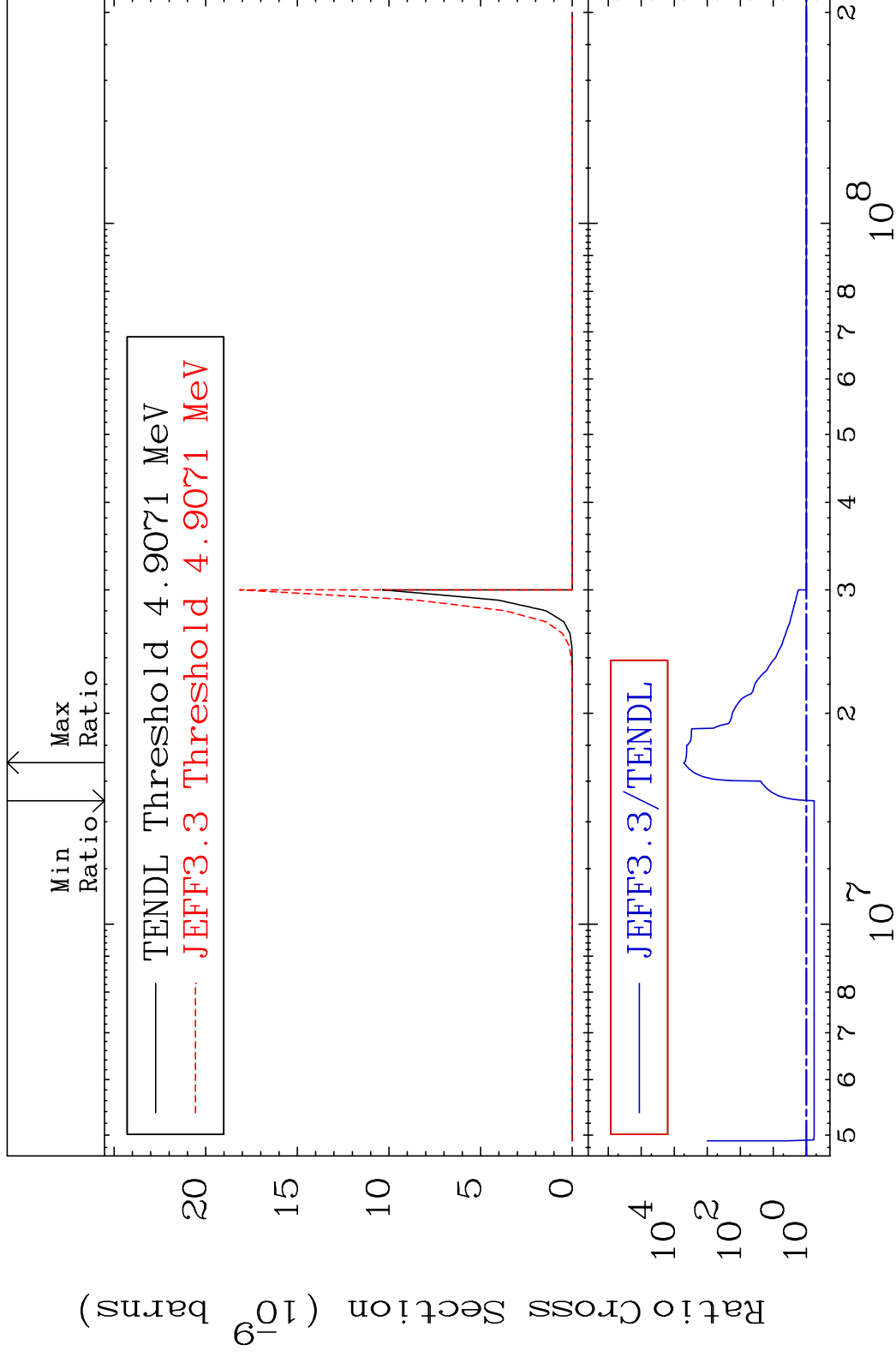
Cross Section 0.000 To 364.3 %



MAT 7531

(n,n') p α 75-Re-187

Cross Section -41.89 To 9999. %

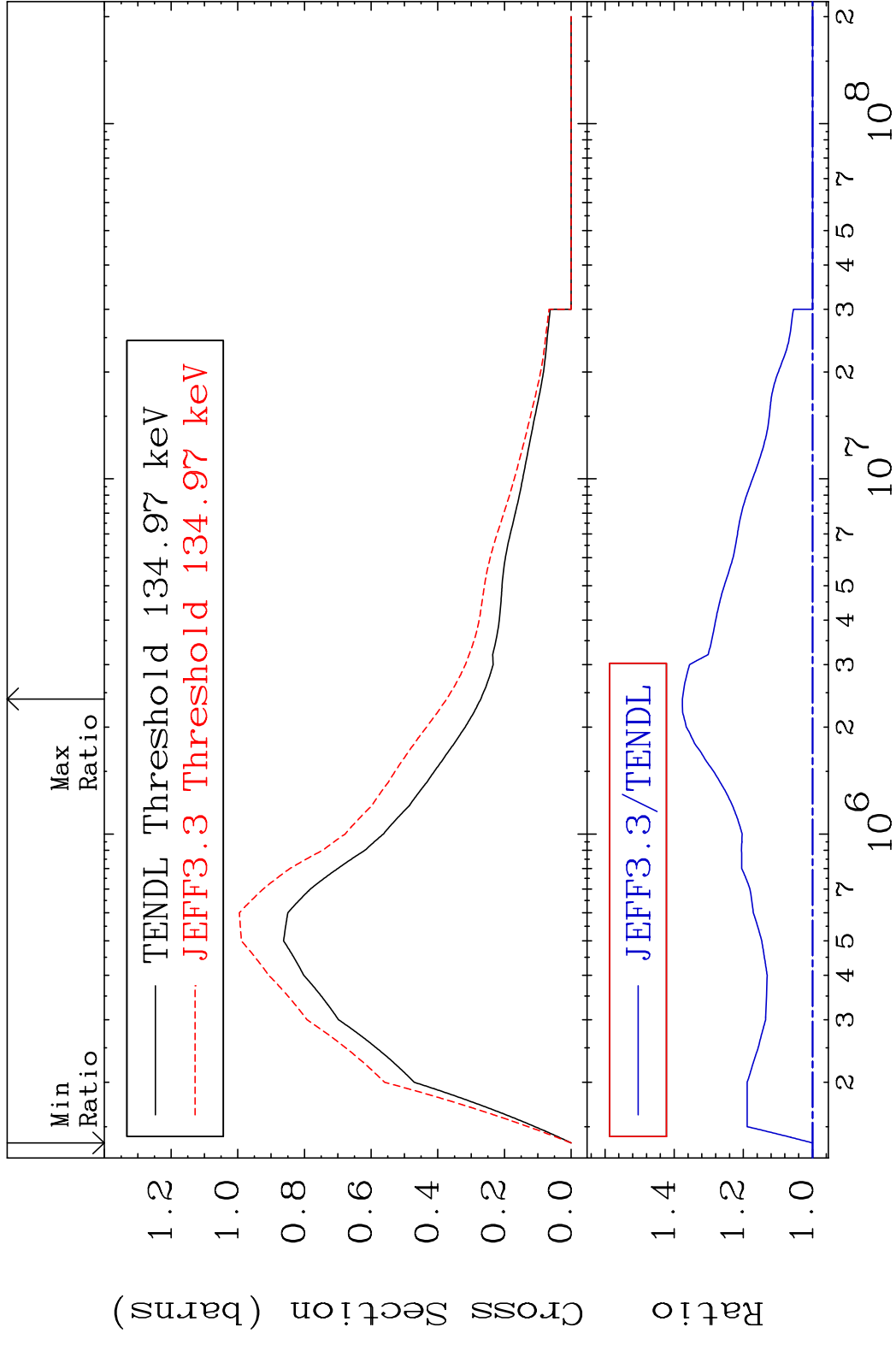


20

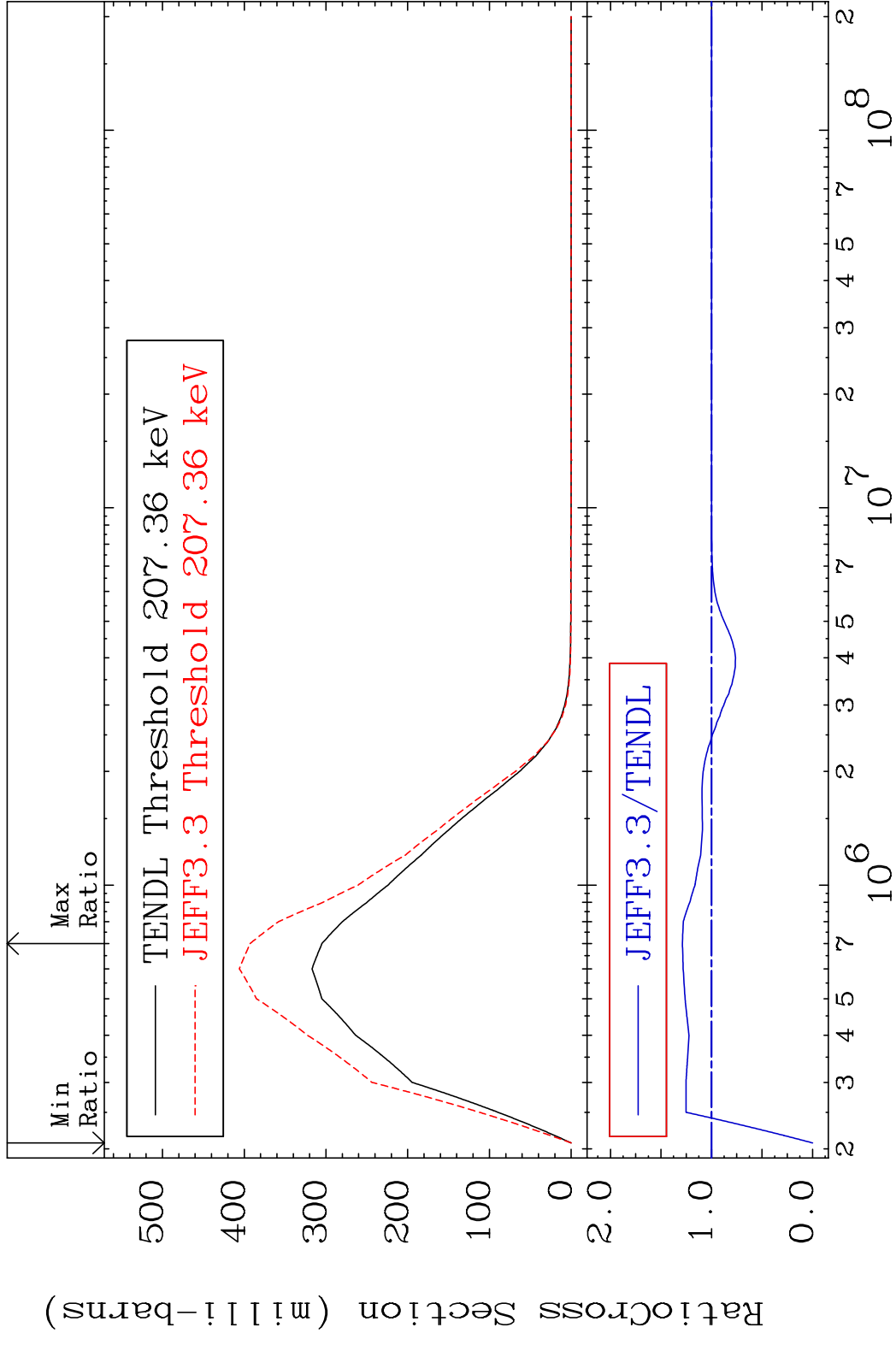
Incident Energy (eV)

75-Re-187

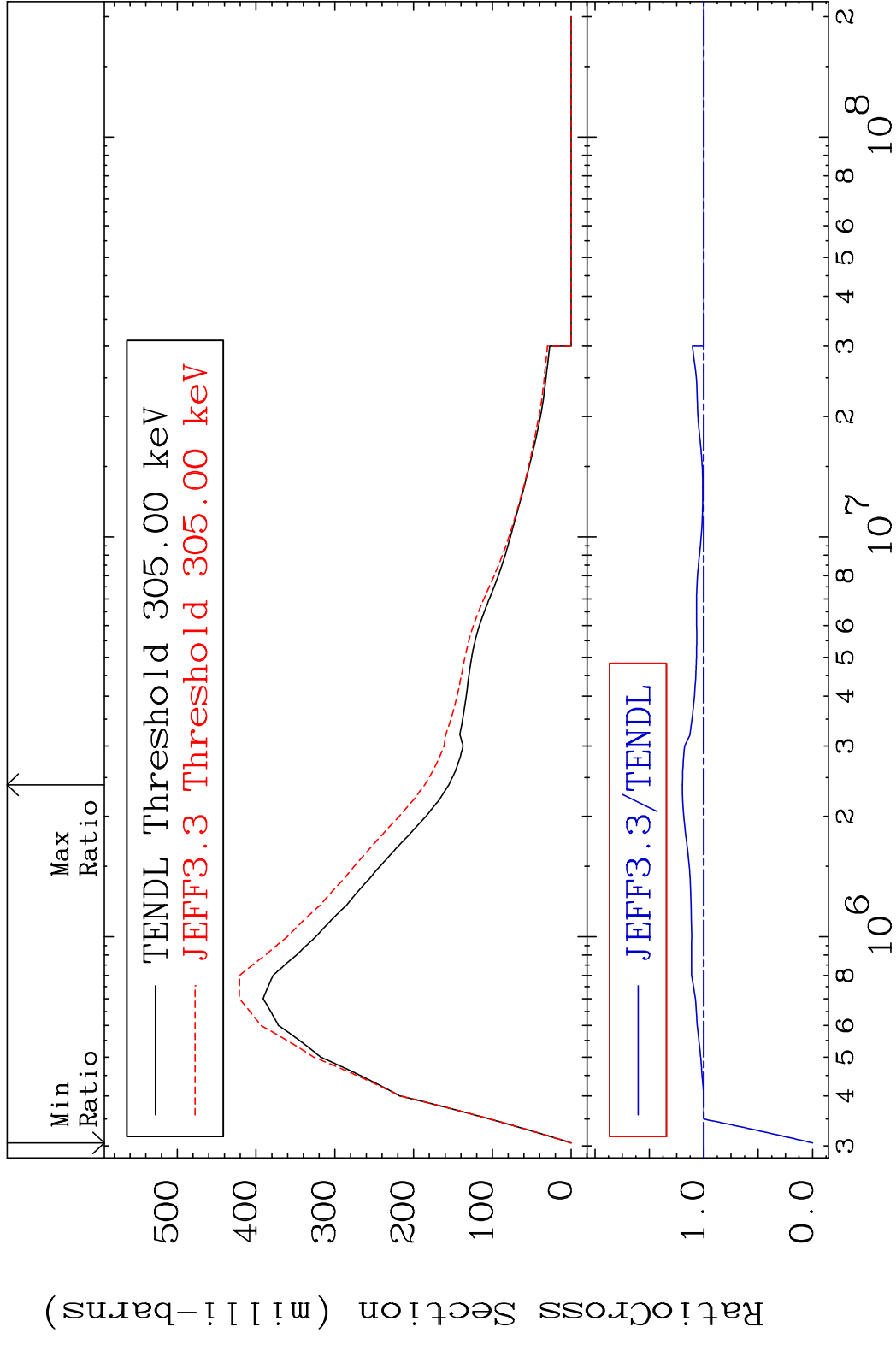
MAT 7531 MT= 51 (n, n') Level 75-Re-187
 Cross Section 0.000 To 37.64 %



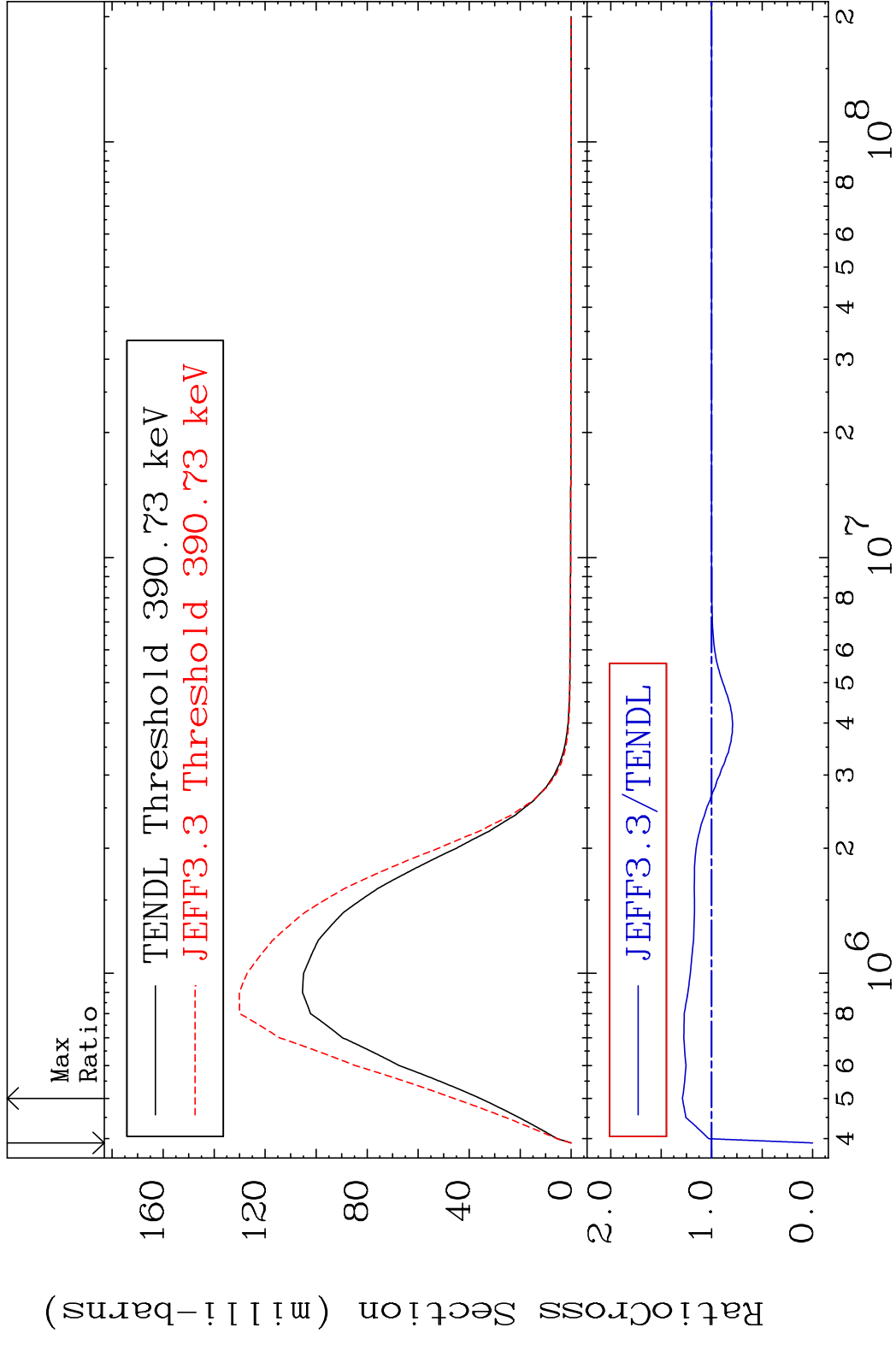
MAT 7531 MT= 52 (n, n') Level 75-Re-187
 Cross Section -100.0 To 28.84 %



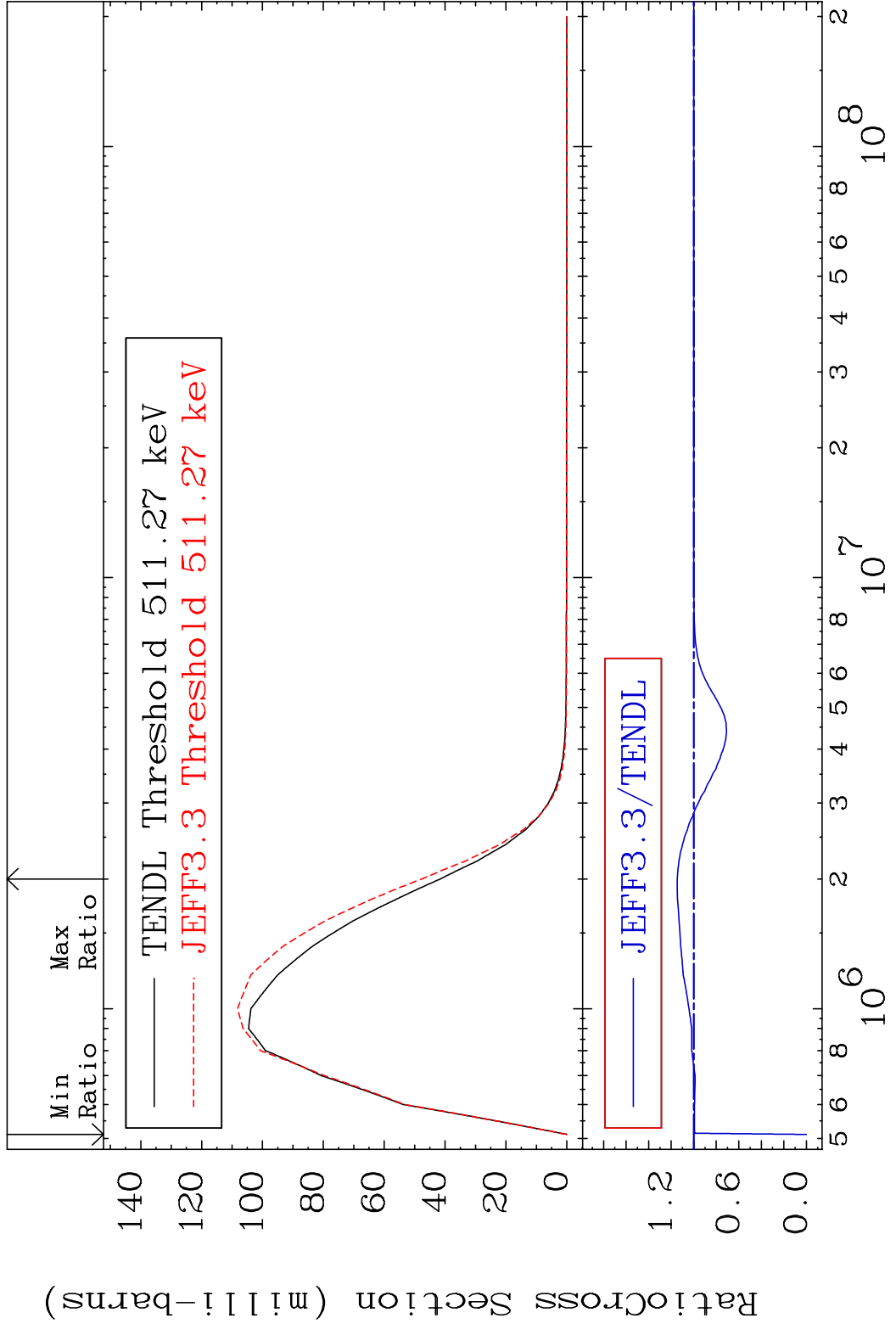
MAT 7531 MT= 53 (n, n') Level 75-Re-187
 Cross Section -100.0 To 19.70 %



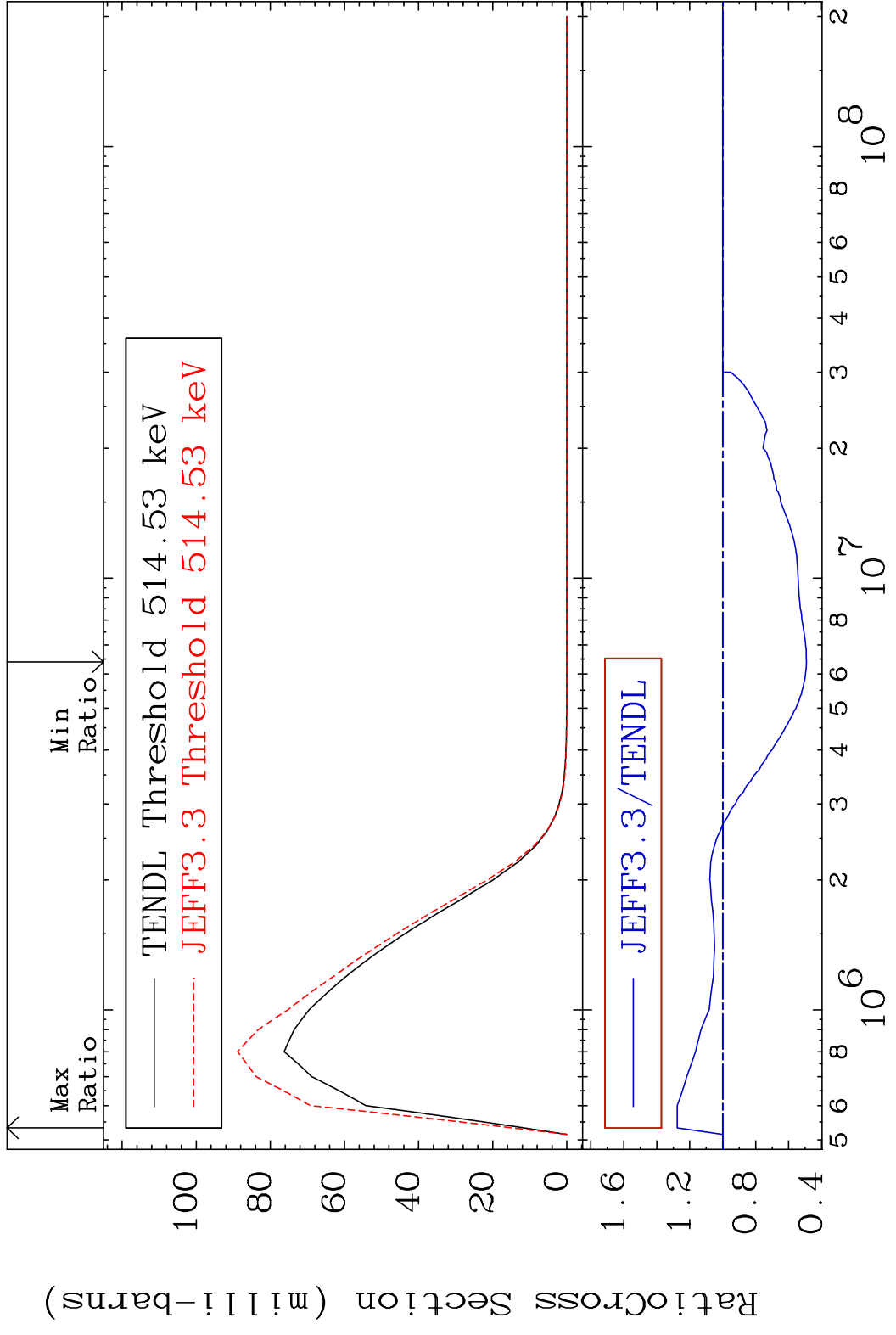
MAT 7531 MT= 54 (n,n') Level 75-Re-187
 Cross Section -100.0 To 29.06 %



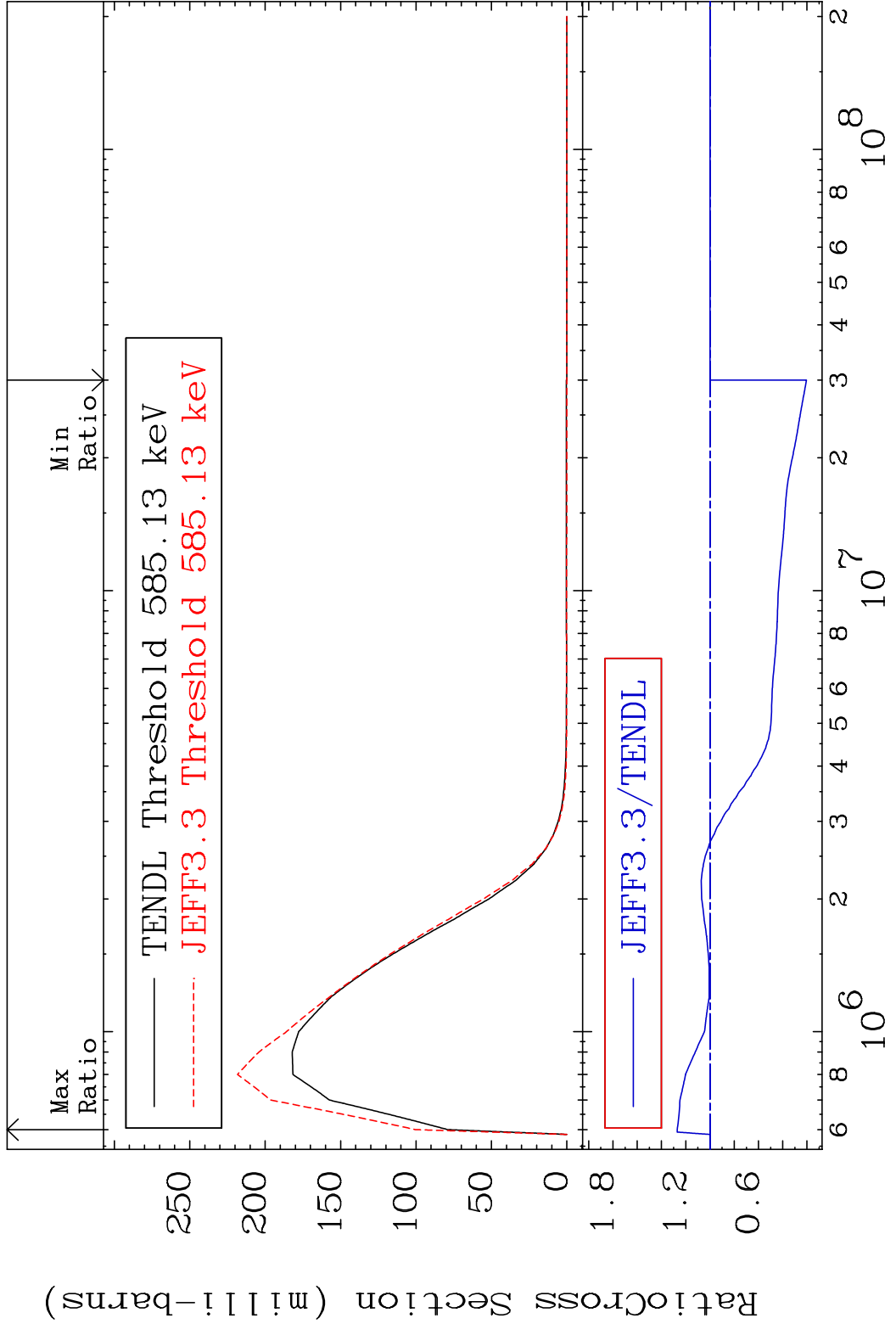
MAT 7531 MT= 55 (n, n') Level 75-Re-187
 Cross Section -100.0 To 14.67 %



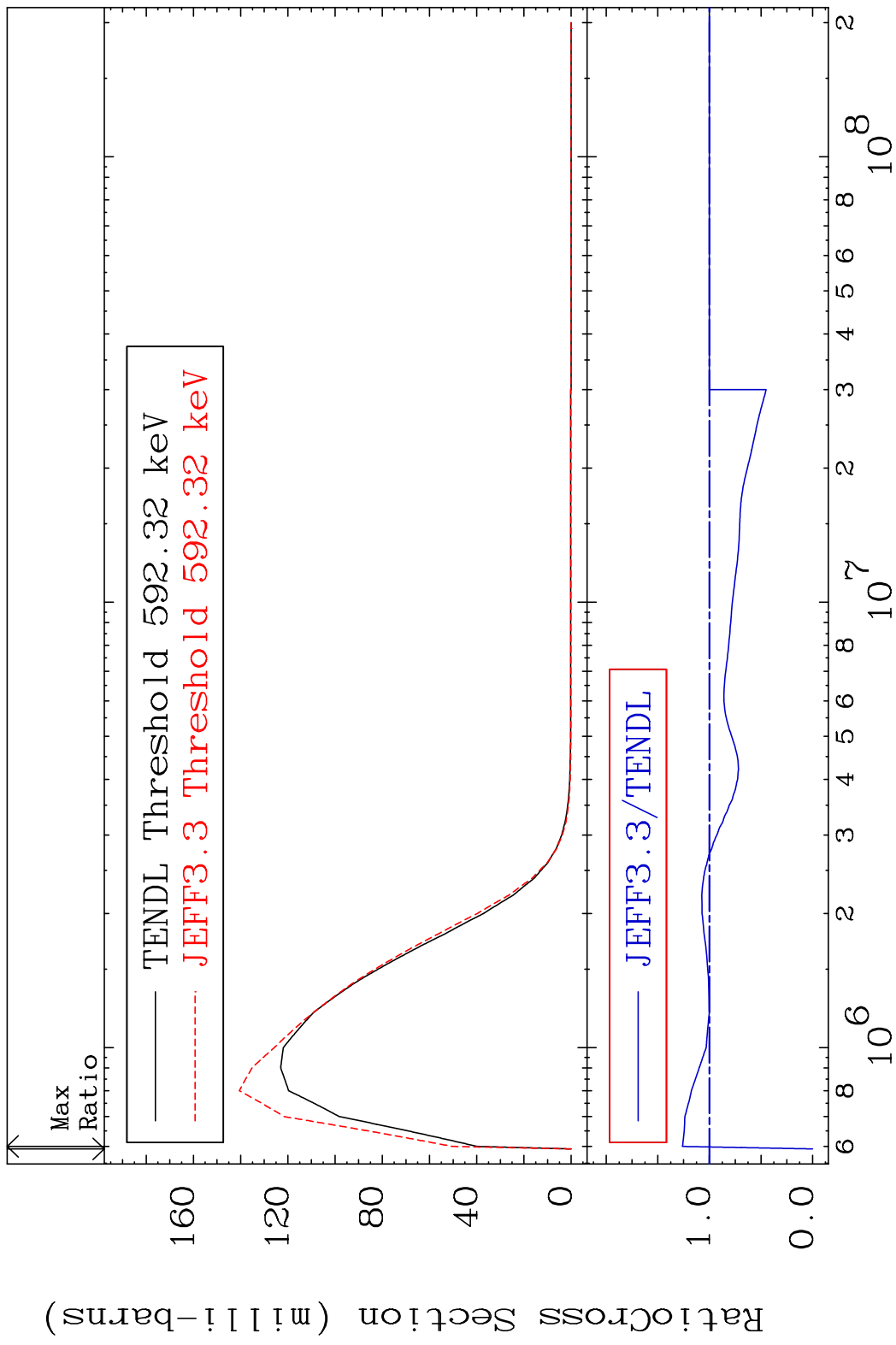
MAT 7531 MT= 56 (n,n') Level 75-Re-187
 Cross Section -50.75 To 27.62 %



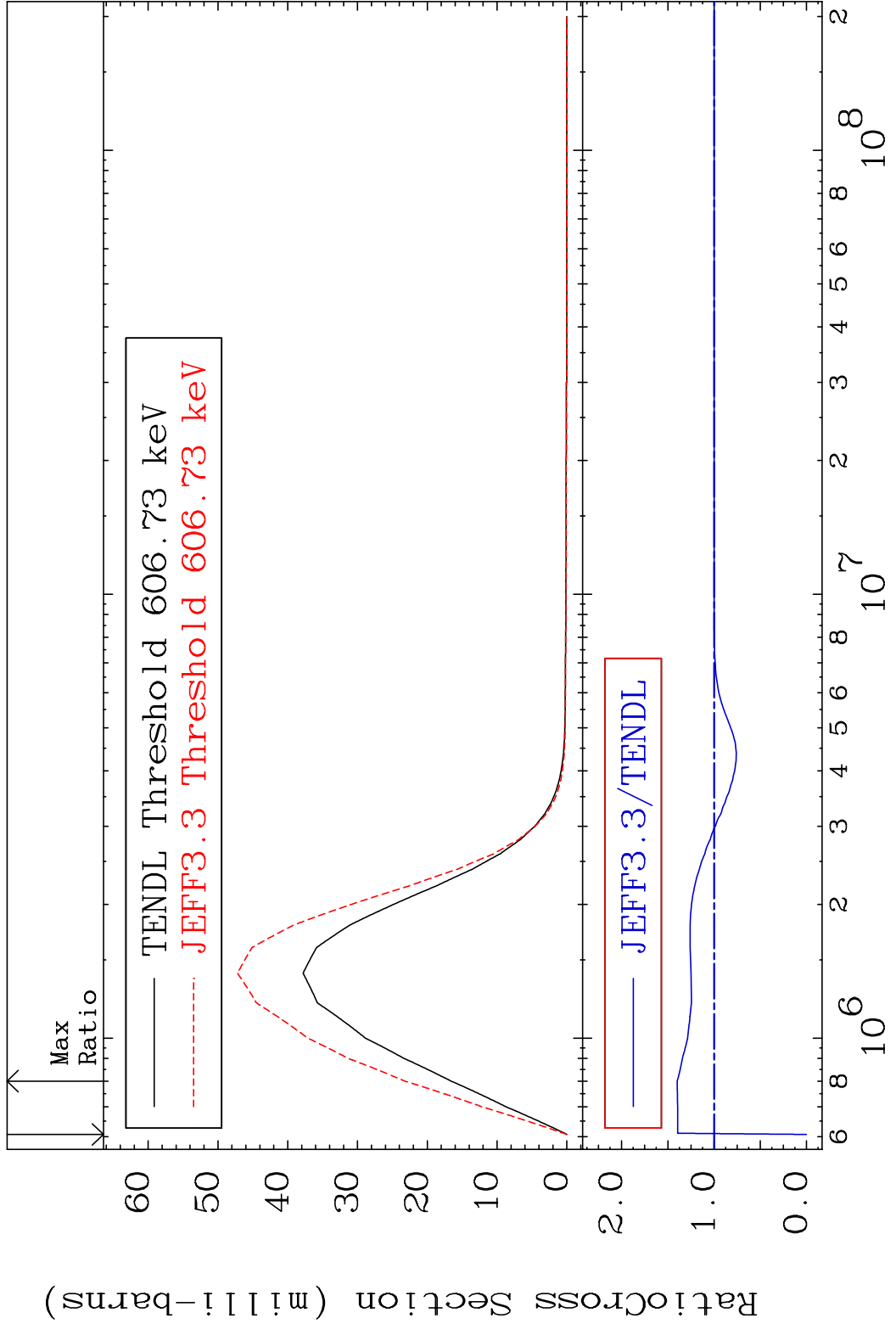
MAT 7531 MT= 57 (n, n') Level 75-Re-187
 Cross Section -79.50 To 27.04 %



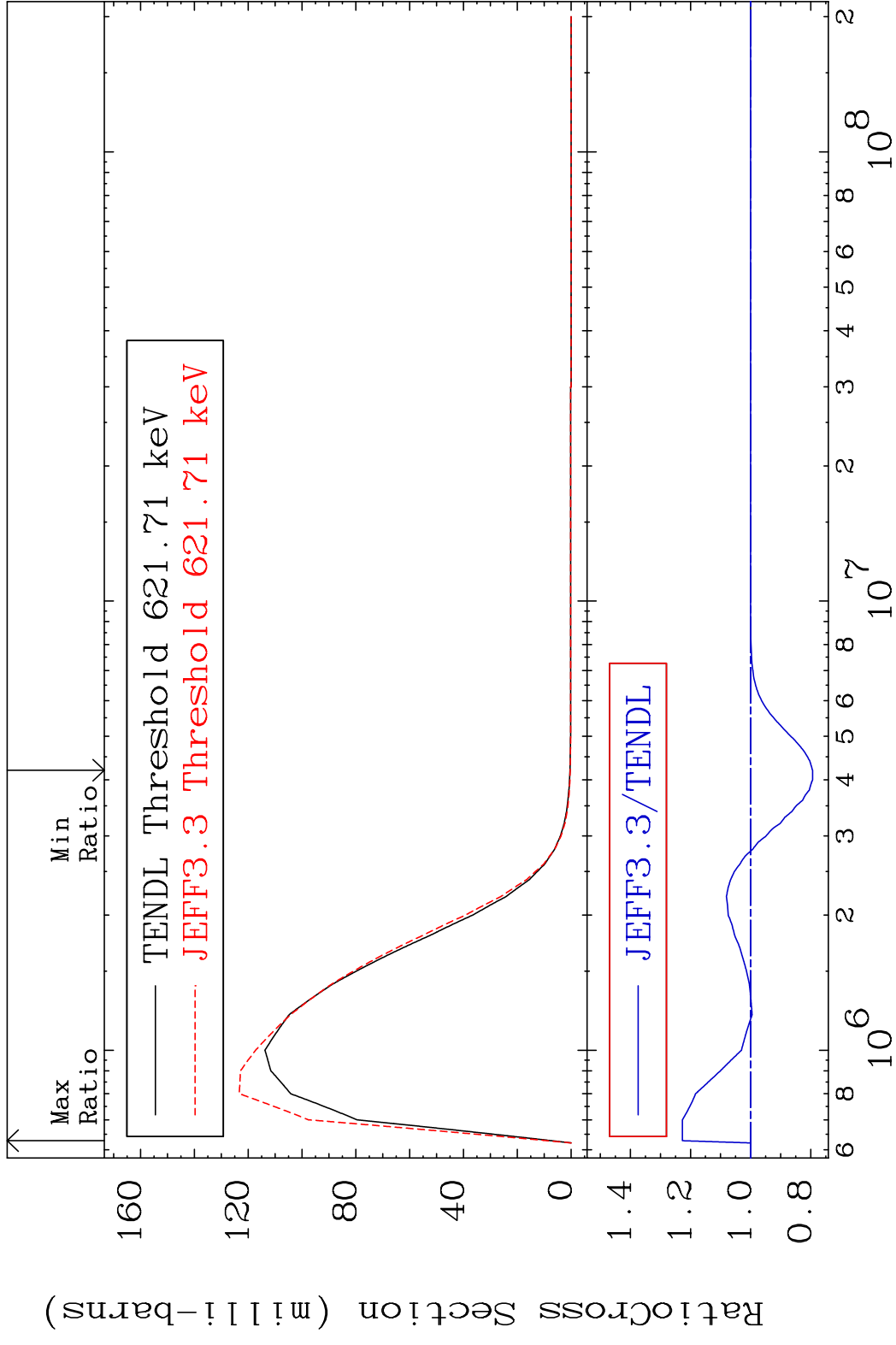
MAT 7531 MT= 58 (n,n') Level 75-Re-187
 Cross Section -100.0 To 26.23 %



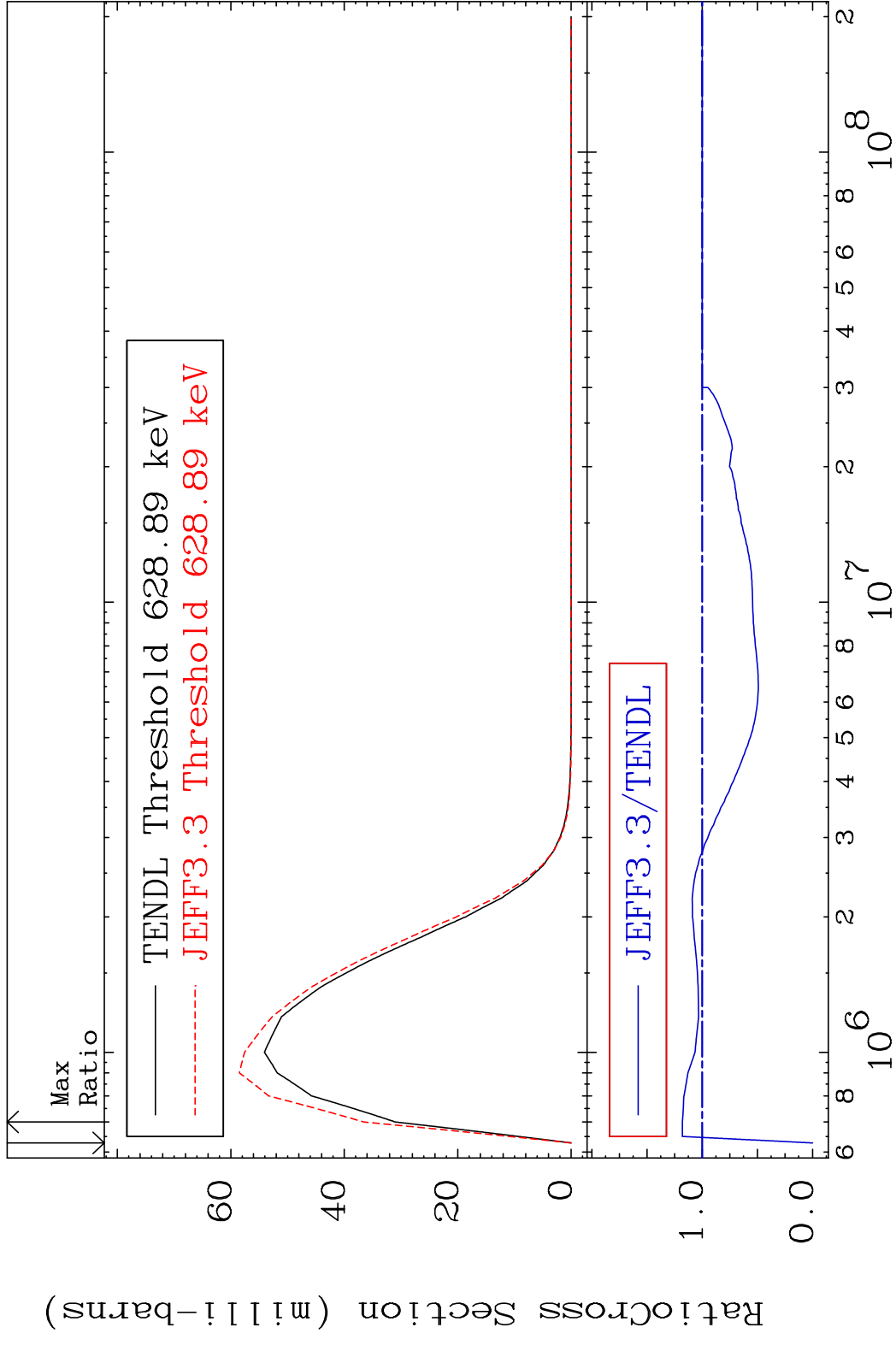
MAT 7531 MT= 59 (n,n') Level 75-Re-187
 Cross Section -100.0 To 39.87 %



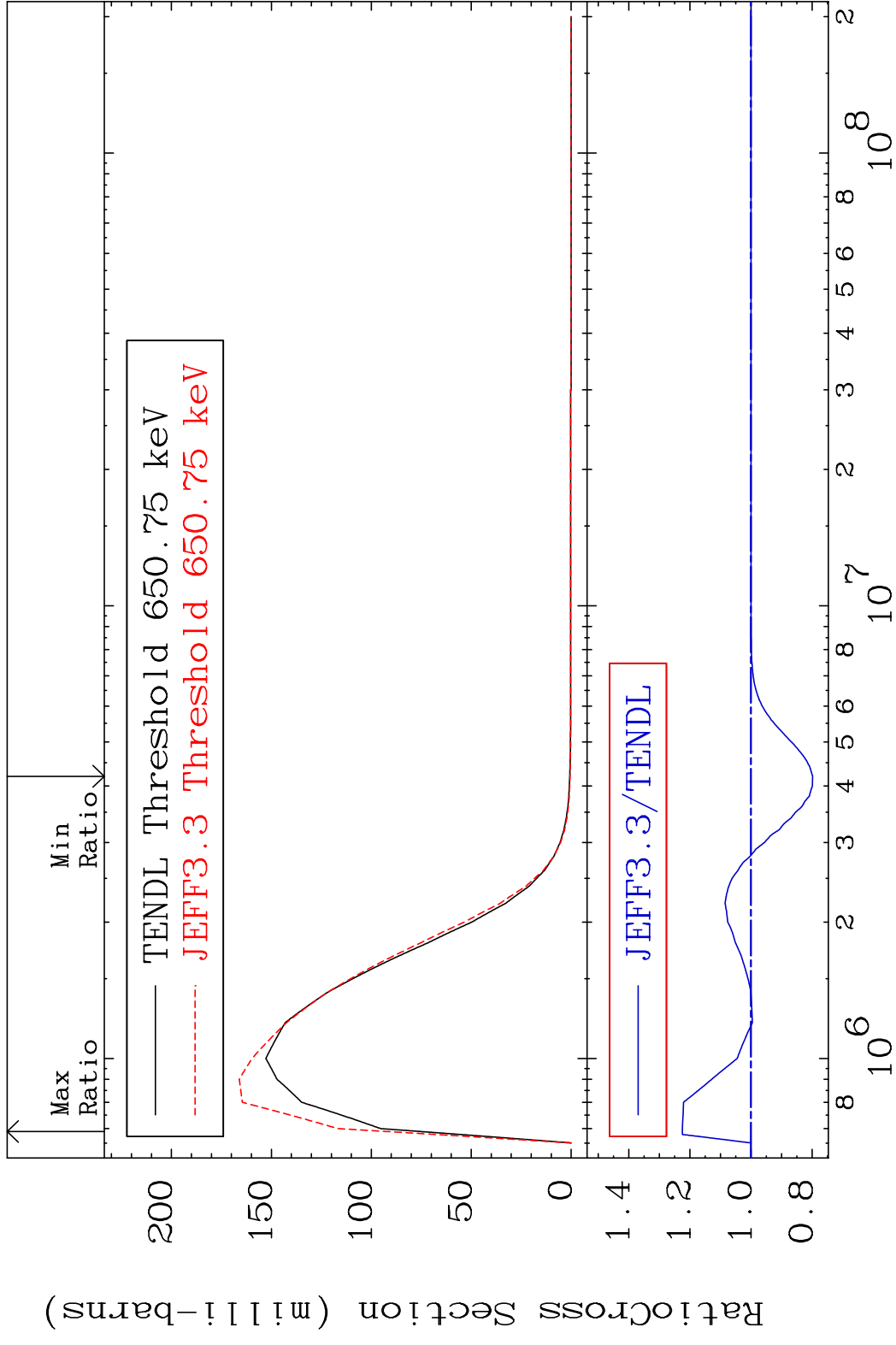
MAT 7531 MT= 60 (n, n') Level 75-Re-187
 Cross Section -20.61 To 22.71 %



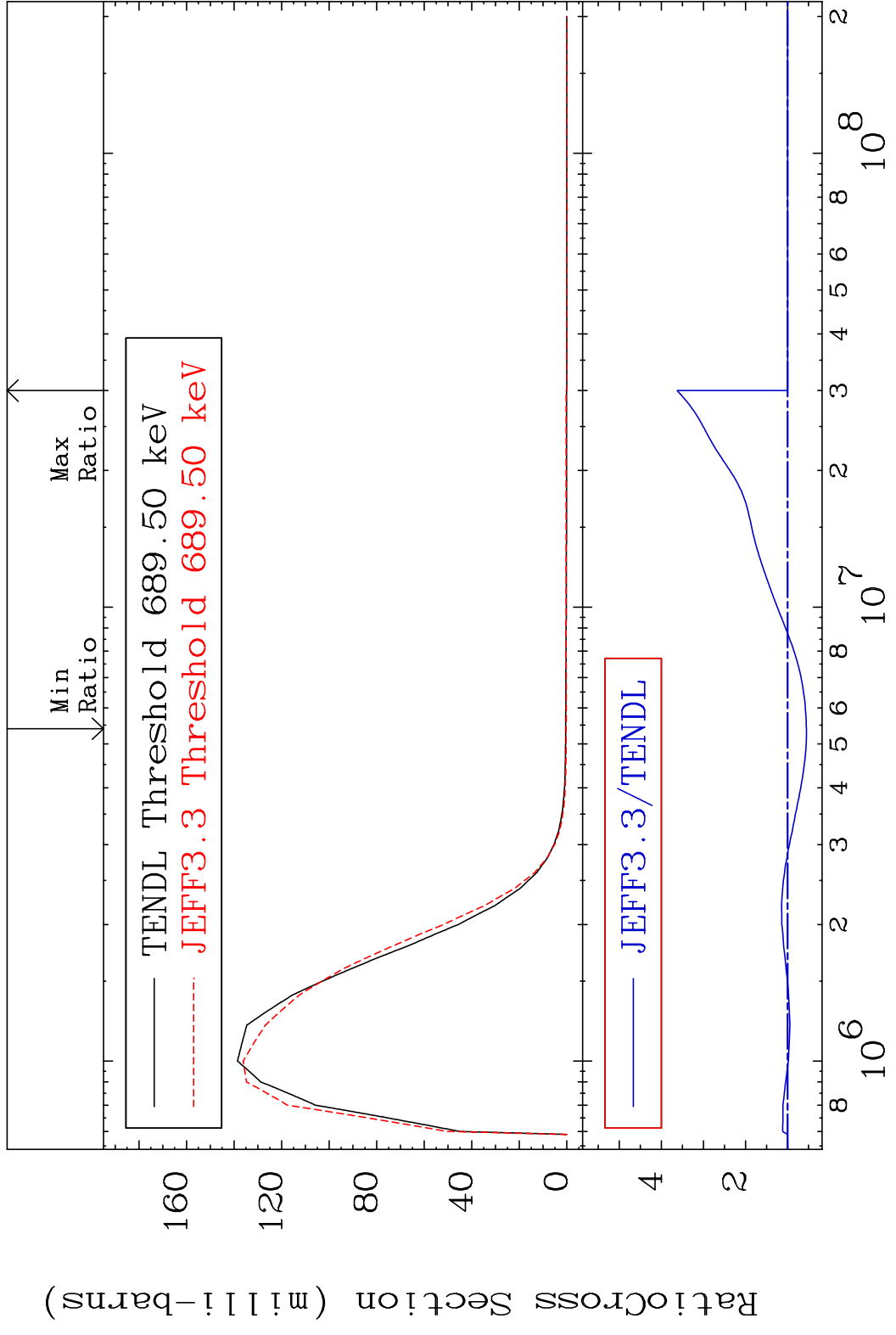
MAT 7531 MT= 61 (n,n') Level 75-Re-187
 Cross Section -100.0 To 17.96 %



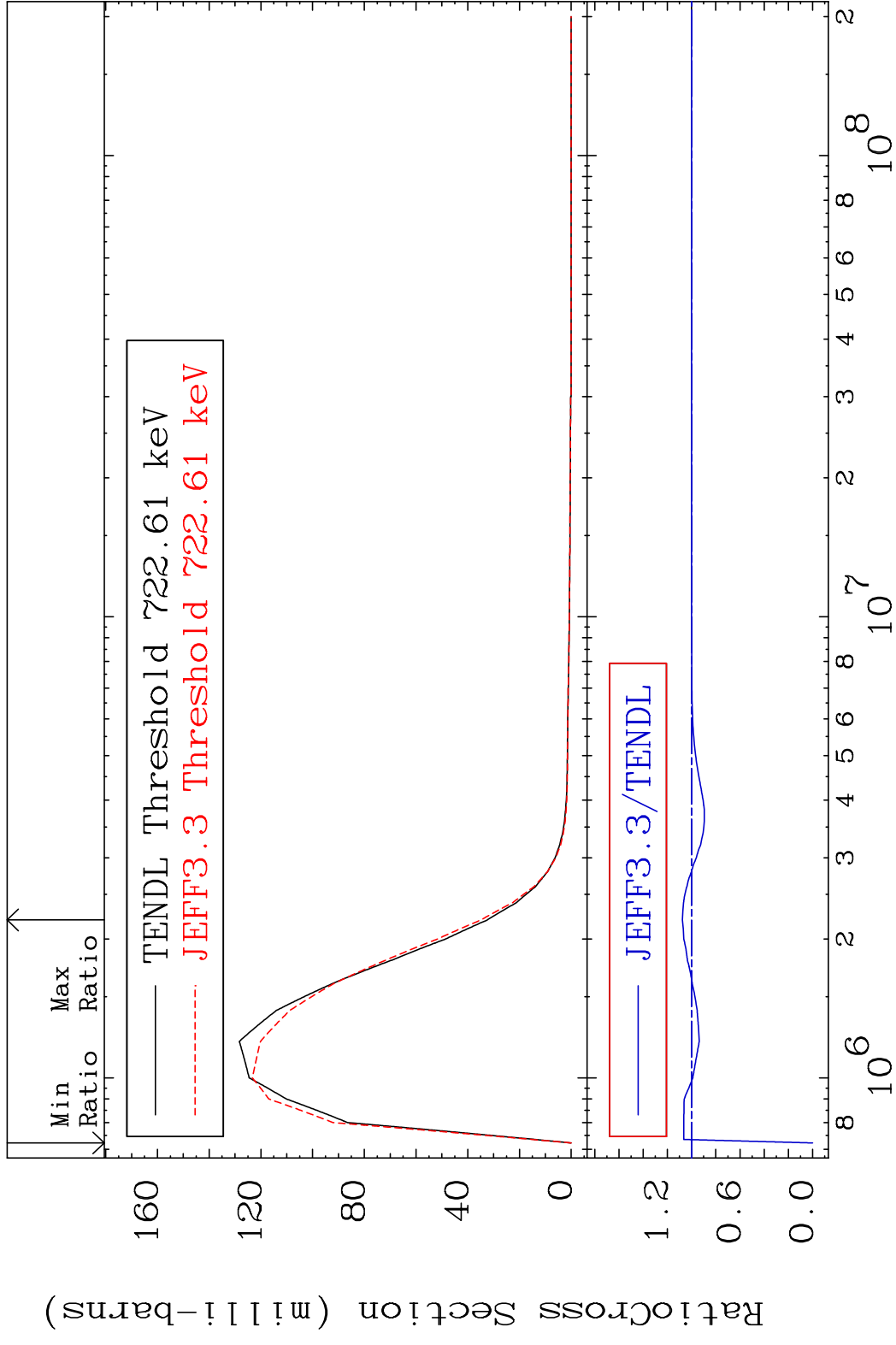
MAT 7531 MT= 62 (n, n') Level 75-Re-187
 Cross Section -20.17 To 22.45 %



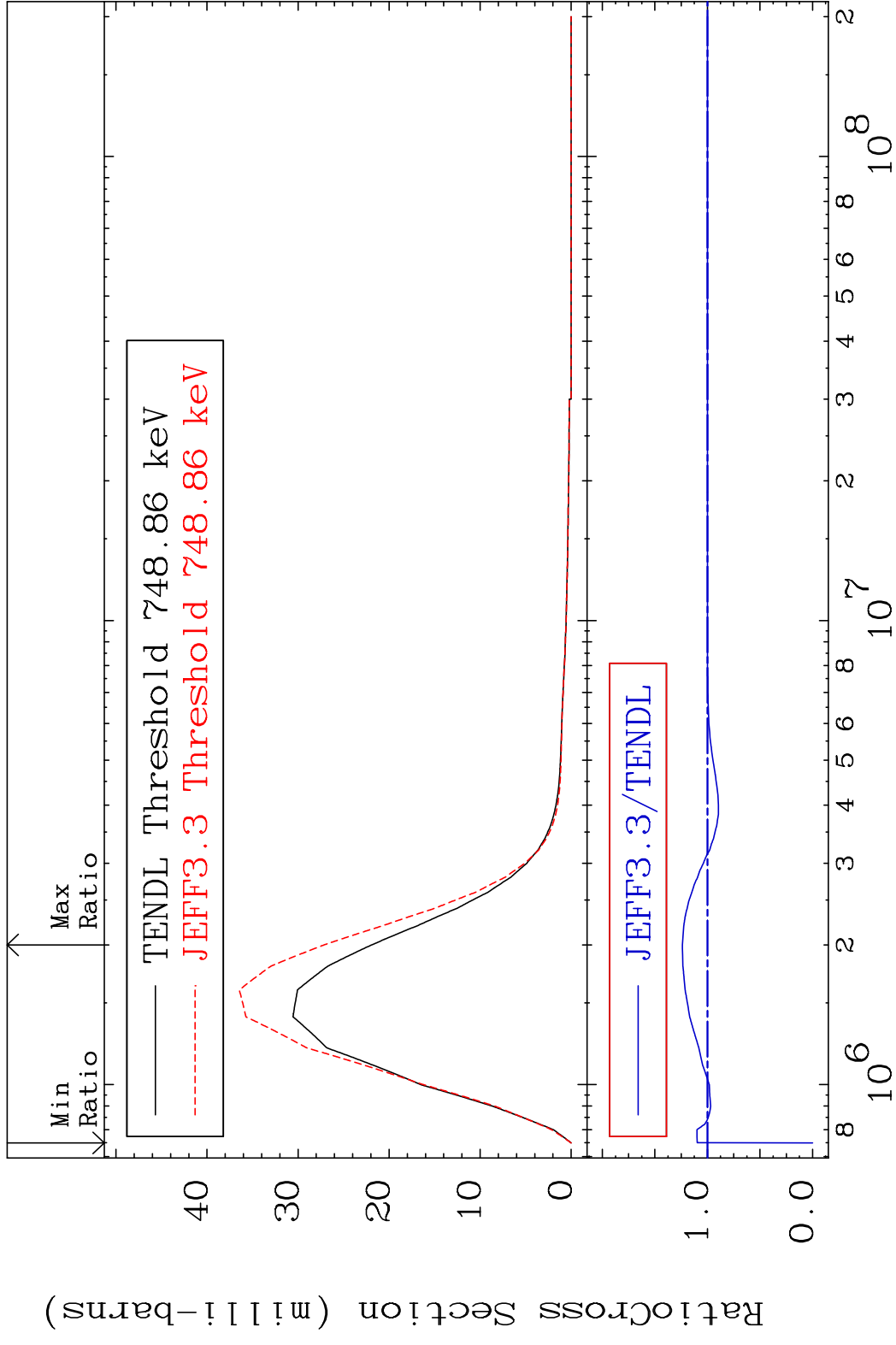
MAT 7531 MT= 63 (n, n') Level 75-Re-187
 Cross Section -44.77 To 262.5 %



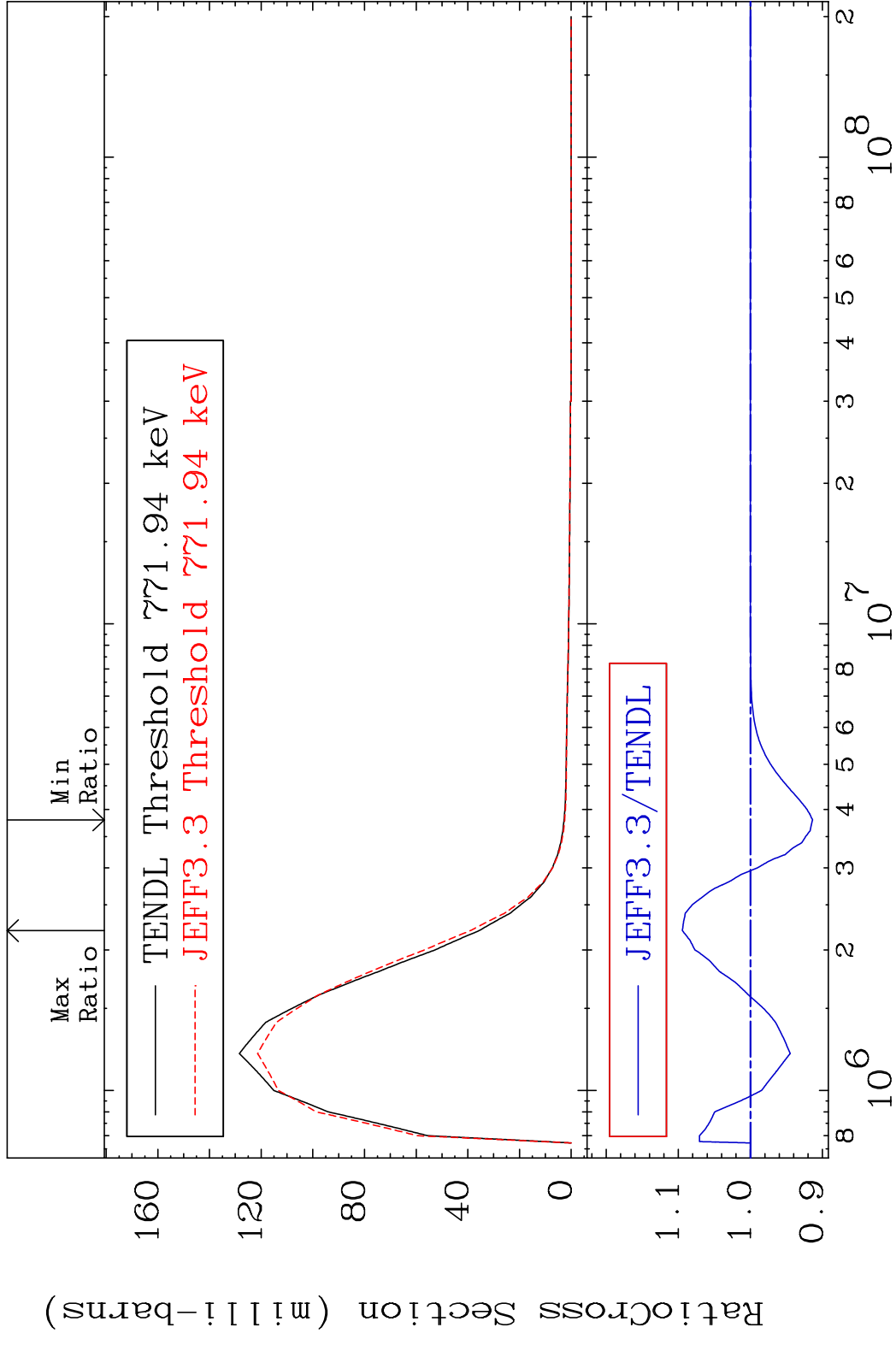
MAT 7531 MT= 64 (n,n') Level 75-Re-187
 Cross Section -100.0 To 7.643 %



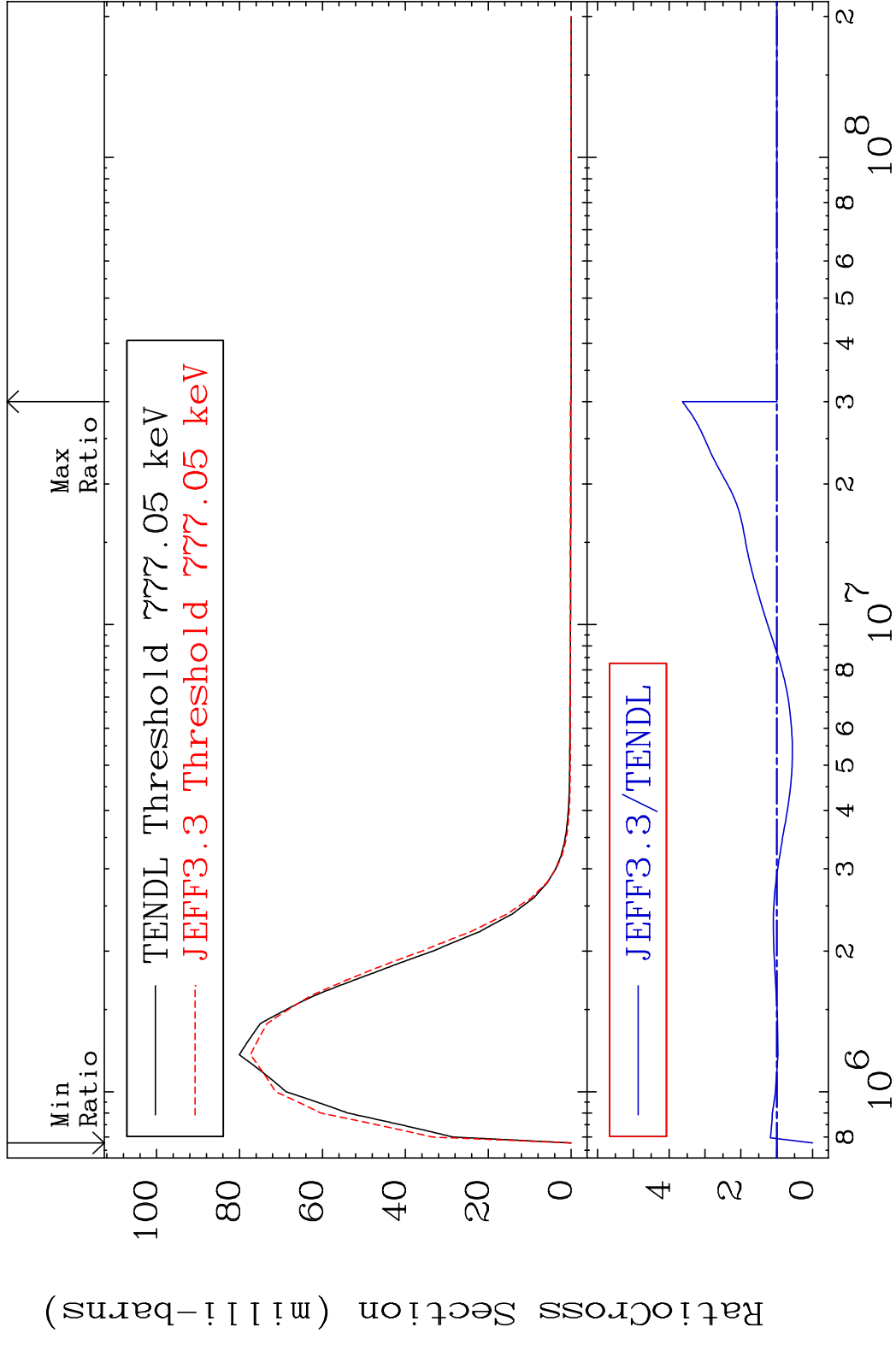
MAT 7531 MT= 65 (n, n') Level 75-Re-187
 Cross Section -100.0 To 23.86 %



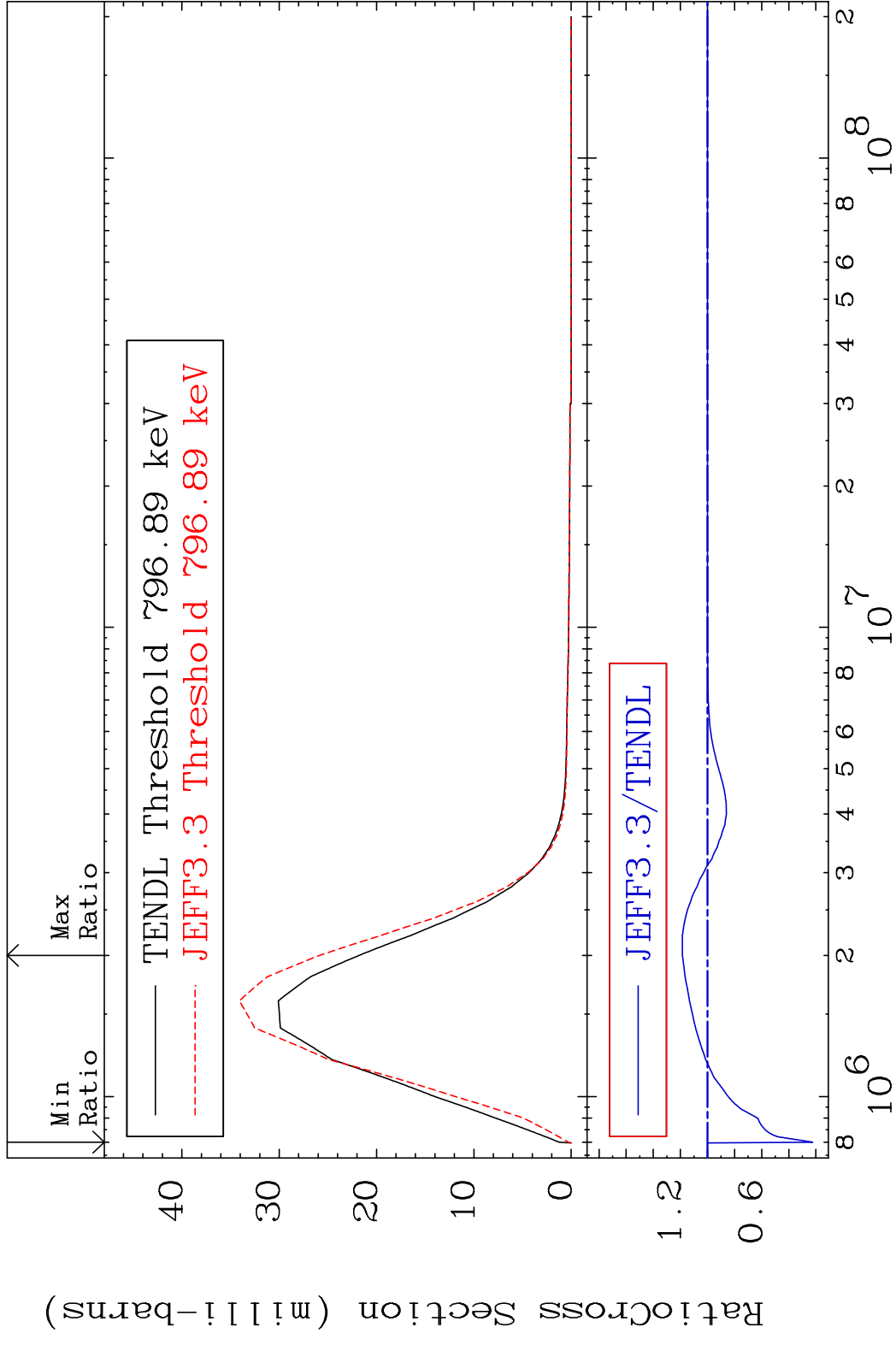
MAT 7531 MT= 66 (n,n') Level 75-Re-187
 Cross Section -8.620 To 9.440 %



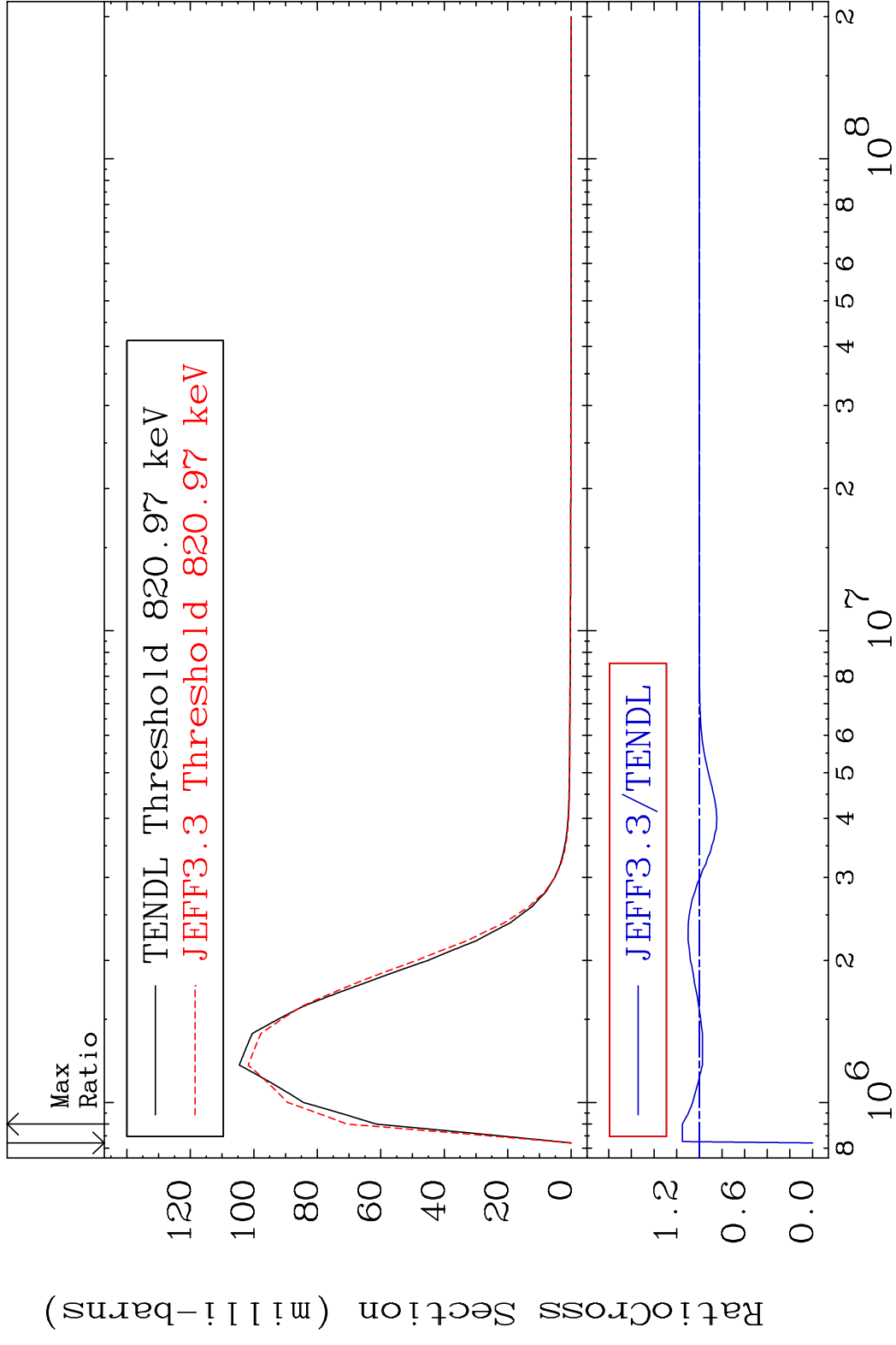
MAT 7531 MT= 67 (n, n') Level 75-Re-187
 Cross Section -100.0 To 263.2 %



MAT 7531 MT= 68 (n, n') Level 75-Re-187
 Cross Section -77.53 To 18.54 %



MAT 7531 MT= 69 (n, n') Level 75-Re-187
 Cross Section -100.0 To 14.97 %

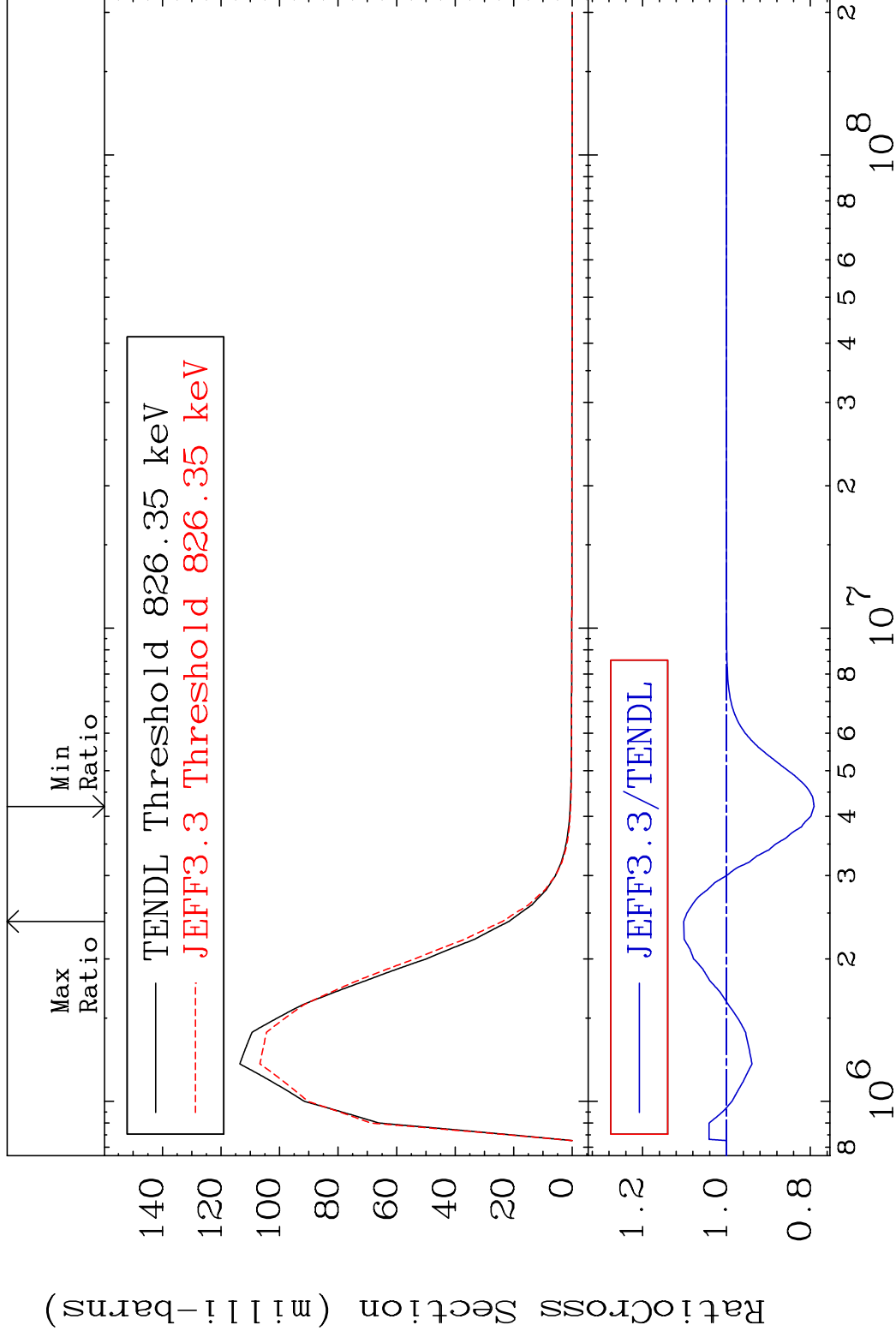


MAT 7531

MT= 70 (n, n') Level

75-Re-187

Cross Section -20.89 To 10.21 %

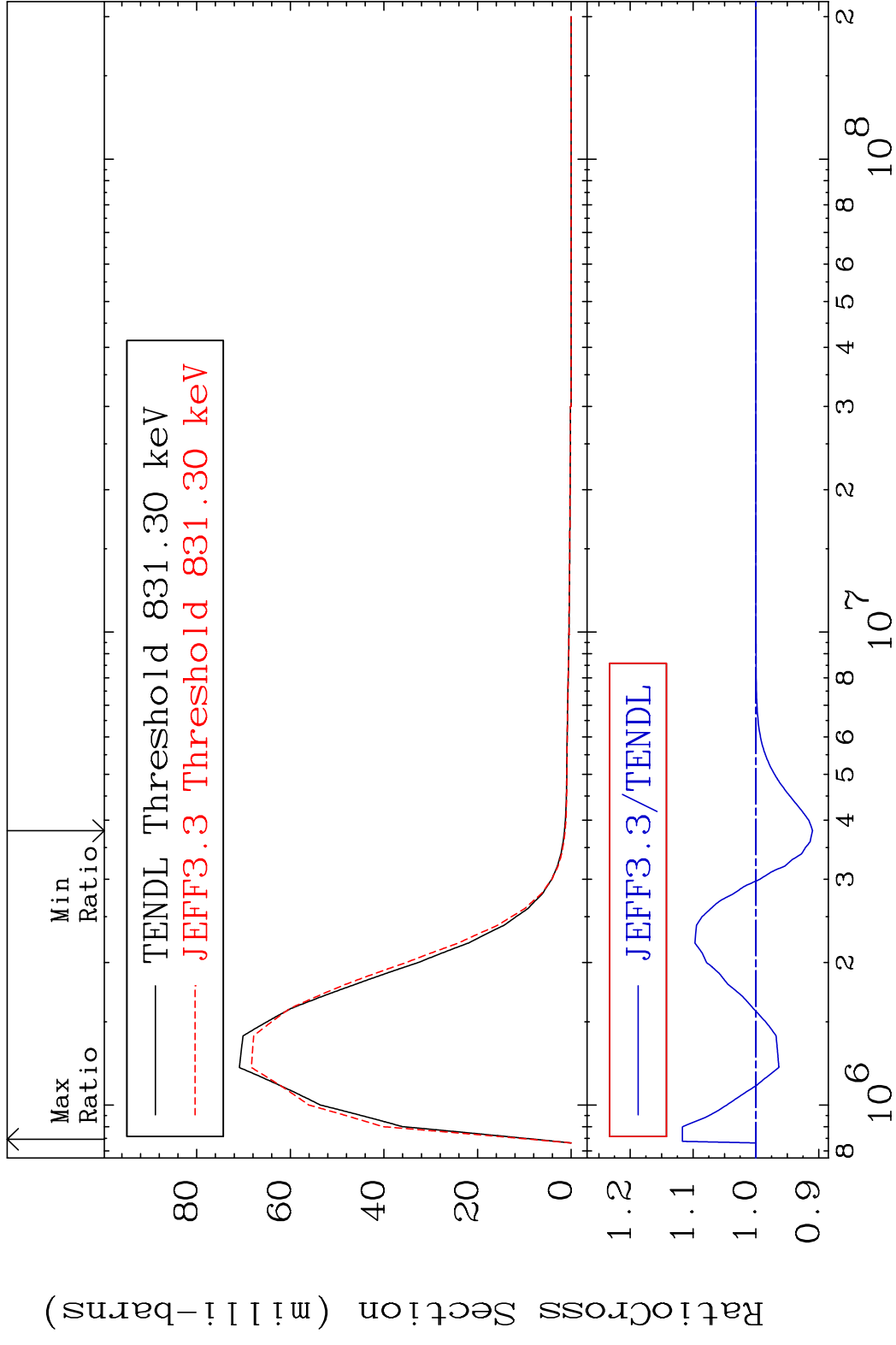


40

Incident Energy (eV)

75-Re-187

MAT 7531 MT= 71 (n, n') Level 75-Re-187
 Cross Section -9.017 To 11.71 %

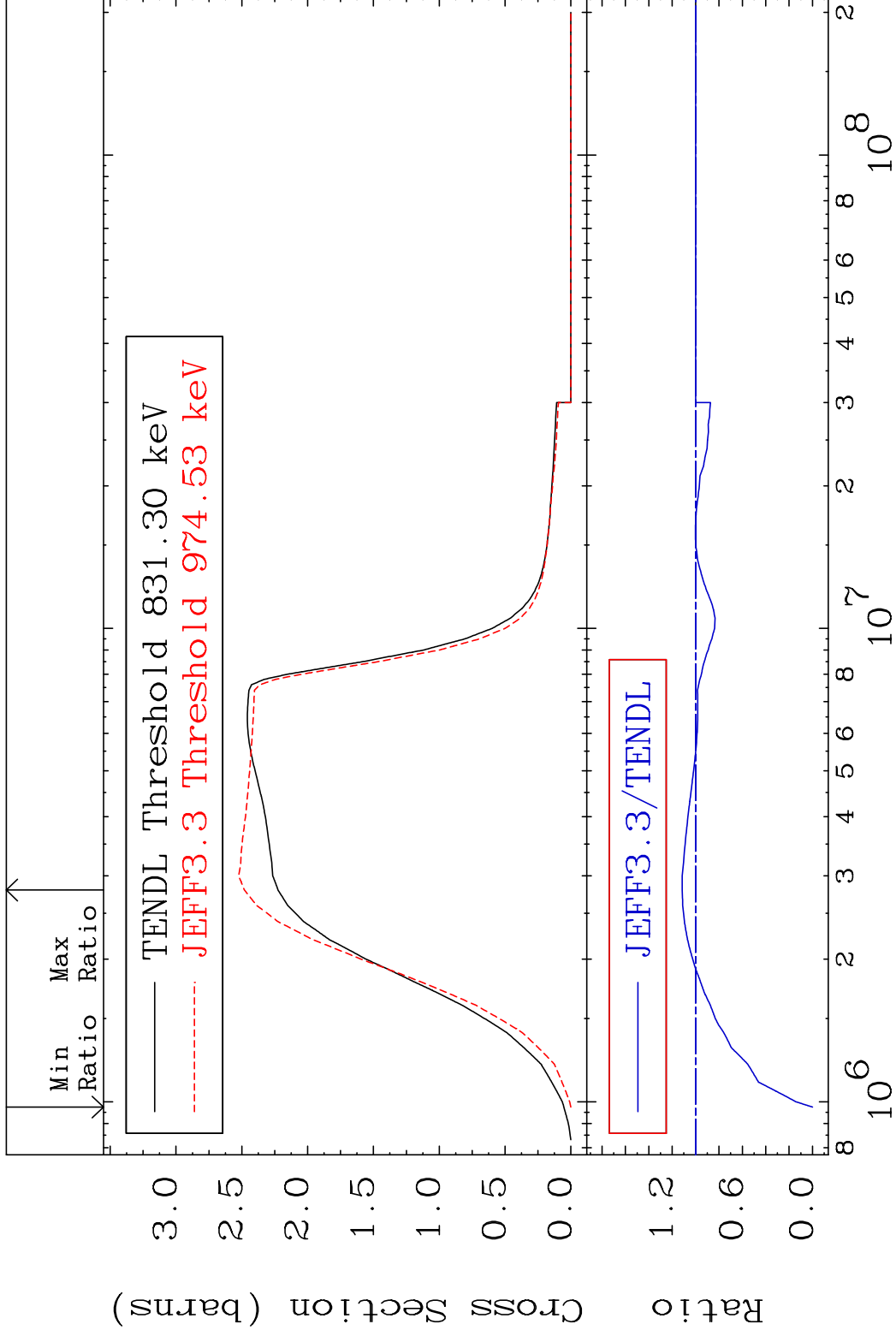


MAT 7531

(n, n') Continuum

75-Re-187

Cross Section -100.0 To 11.49 %



42

Incident Energy (eV)

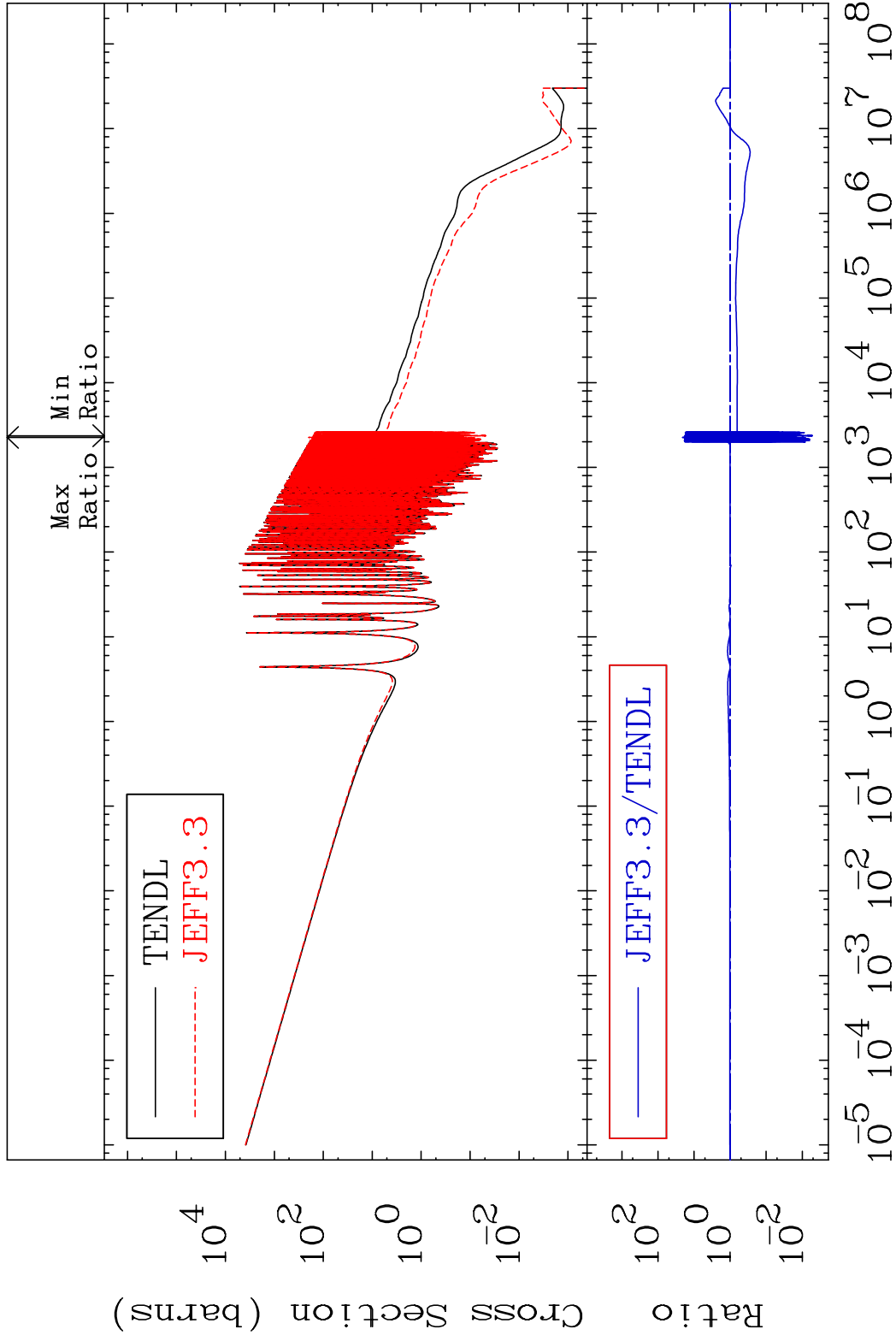
75-Re-187

MAT 7531

(n, γ)

75-Re-187

Cross Section -99.48 To 2008. %



43

Incident Energy (eV)

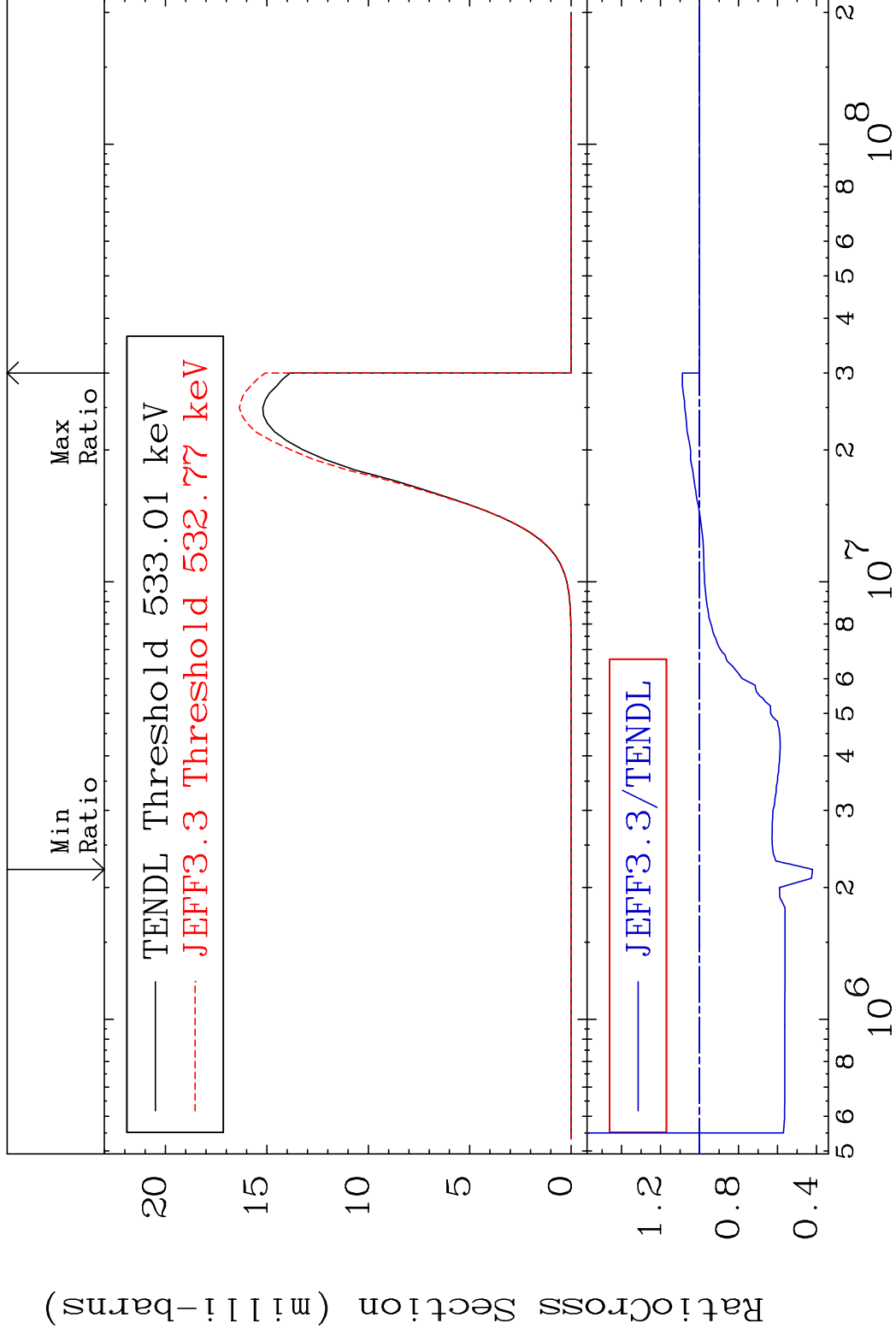
75-Re-187

MAT 7531

(n, p)

75-Re-187

Cross Section -57.98 To 8.822 %



44

Incident Energy (eV)

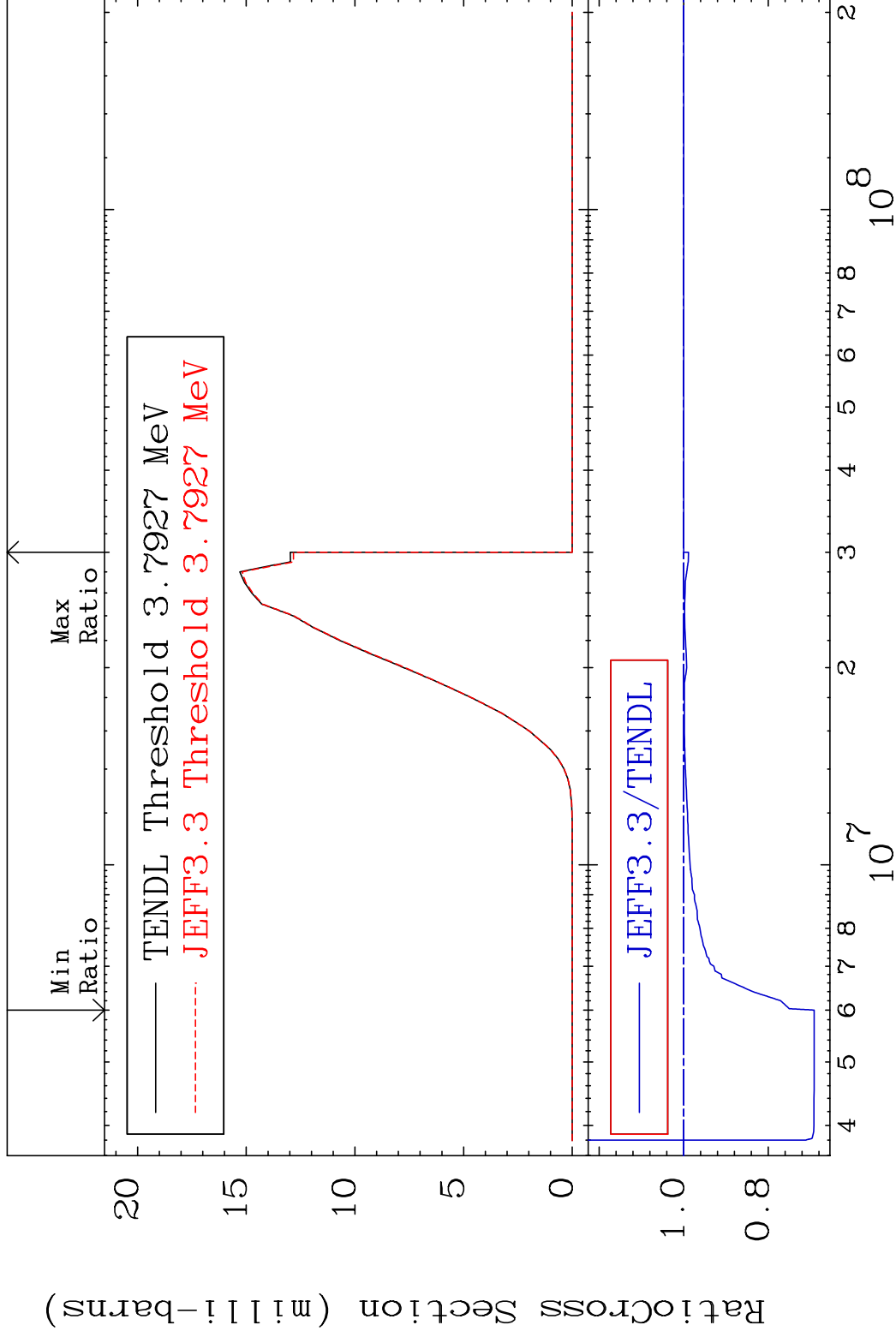
75-Re-187

MAT 7531

(n, d)

75-Re-187

Cross Section -30.84 To 0.000 %



45

Incident Energy (eV)

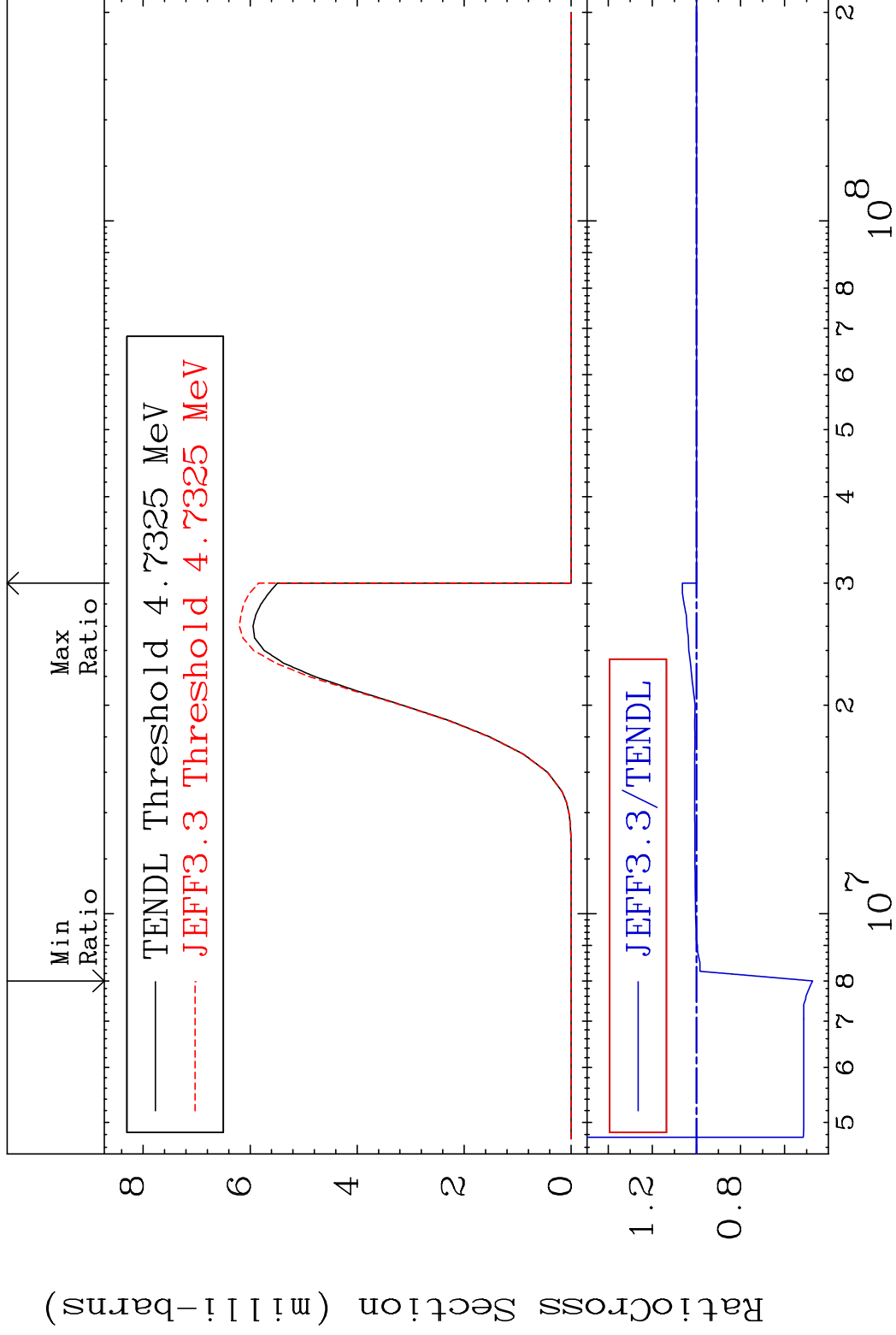
75-Re-187

MAT 7531

(n, t)

75-Re-187

Cross Section -52.66 To 6.383 %



46

Incident Energy (eV)

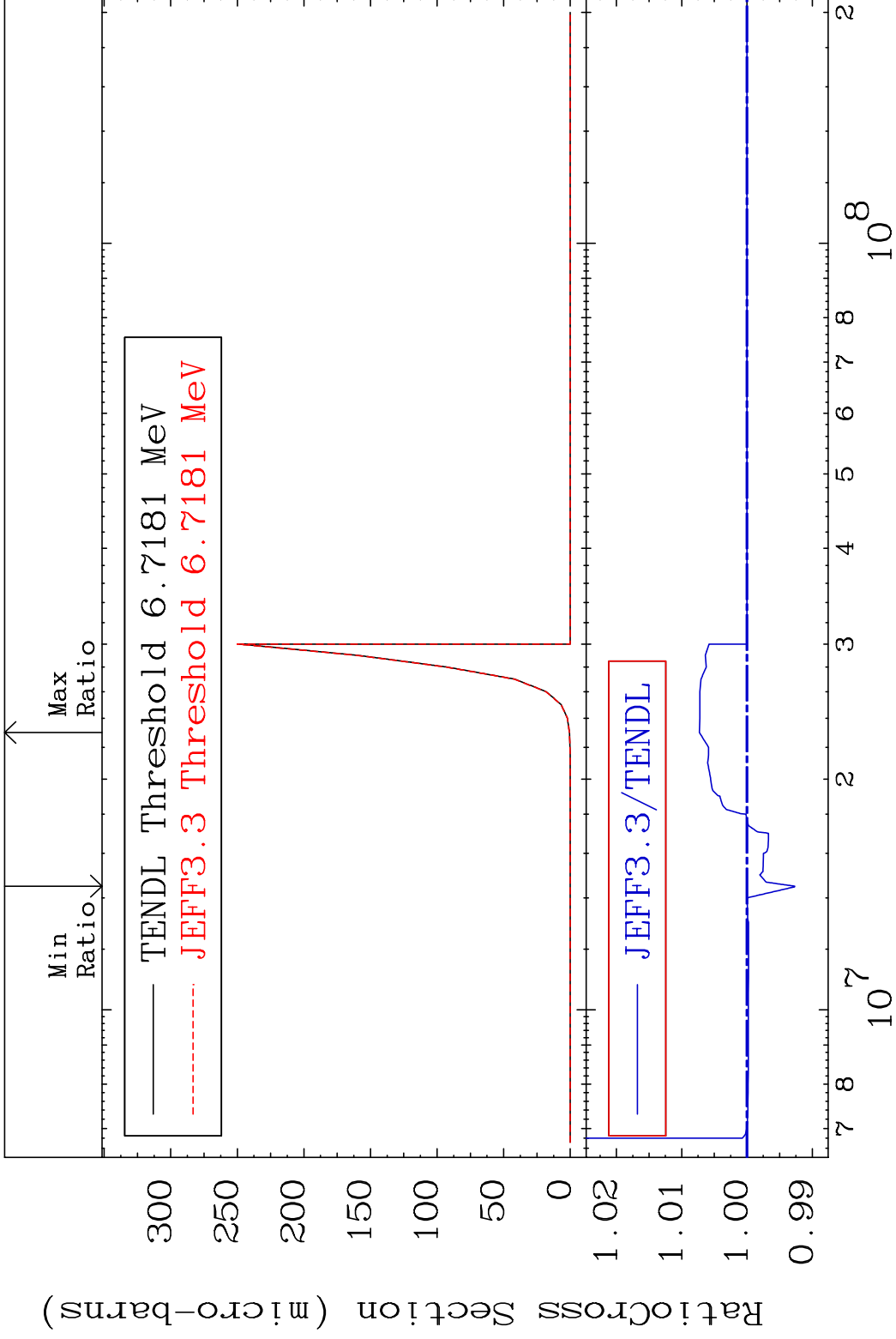
75-Re-187

MAT 7531

(n, He-3)

75-Re-187

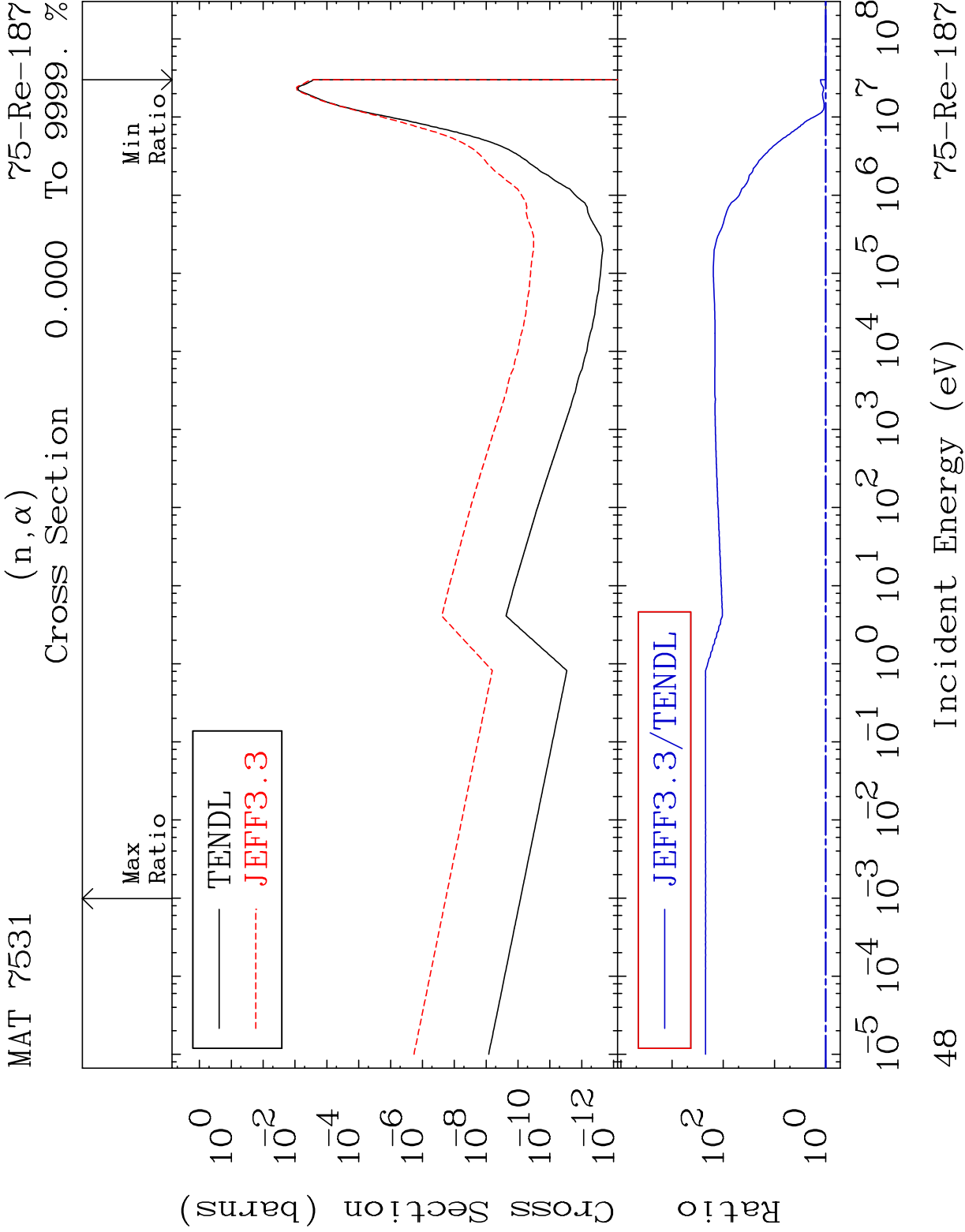
Cross Section -0.731 To 0.730 %



47

Incident Energy (eV)

75-Re-187

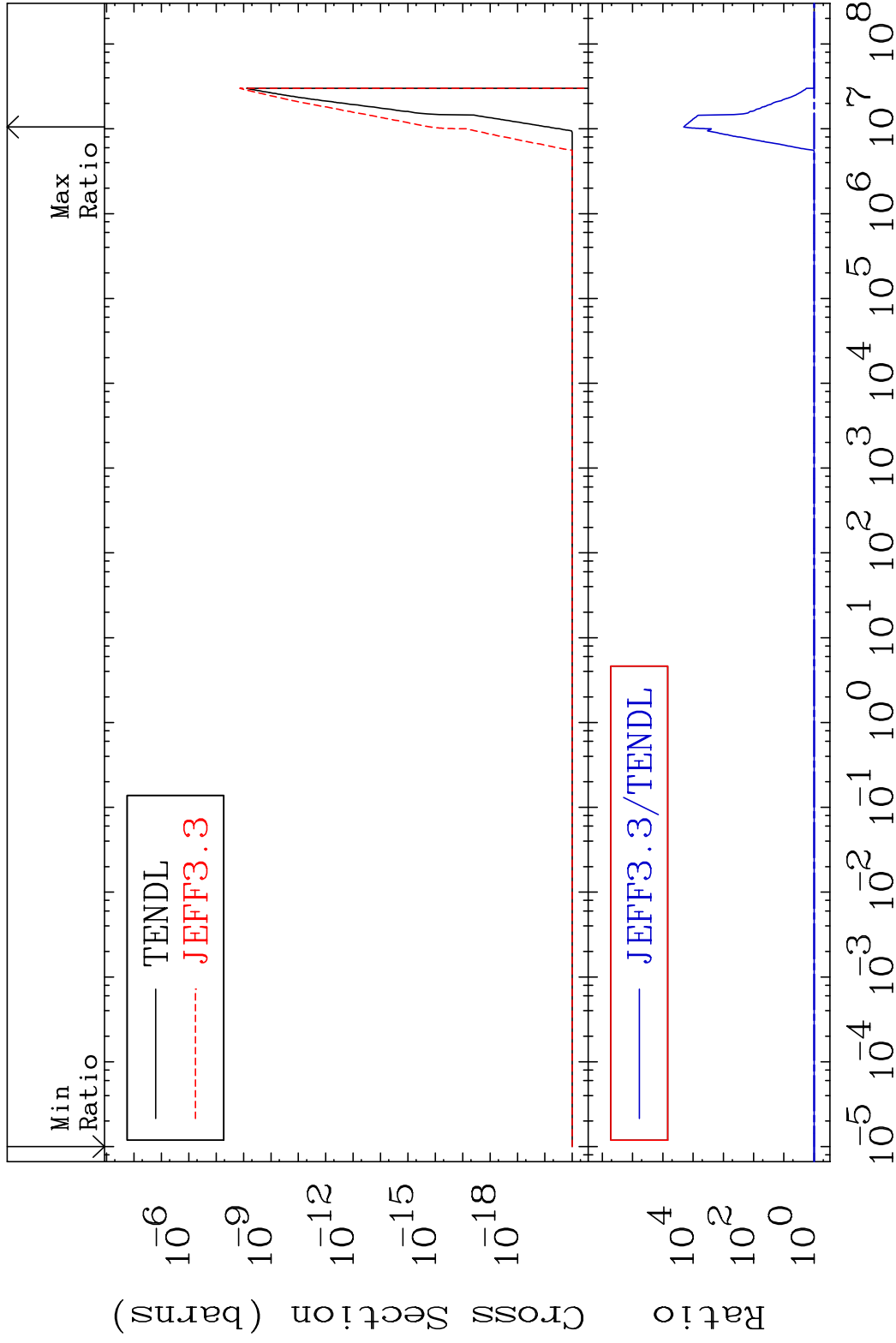


MAT 7531

(n,2α)

75-Re-187

Cross Section 0.000 To 9999. %



49

Incident Energy (eV)

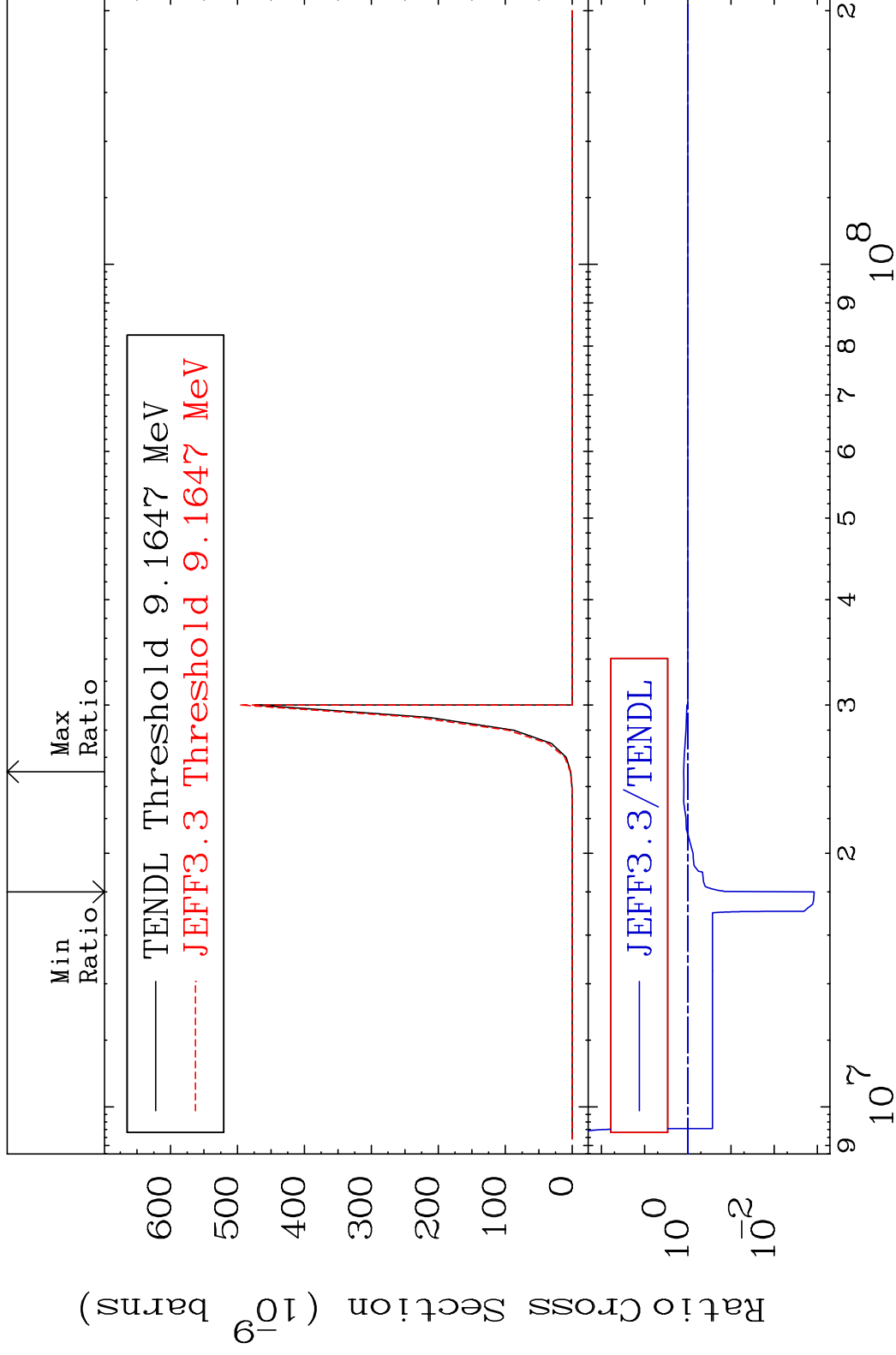
75-Re-187

MAT 7531

(n,2p)

75-Re-187

Cross Section -99.88 To 24.84 %



50

Incident Energy (eV)

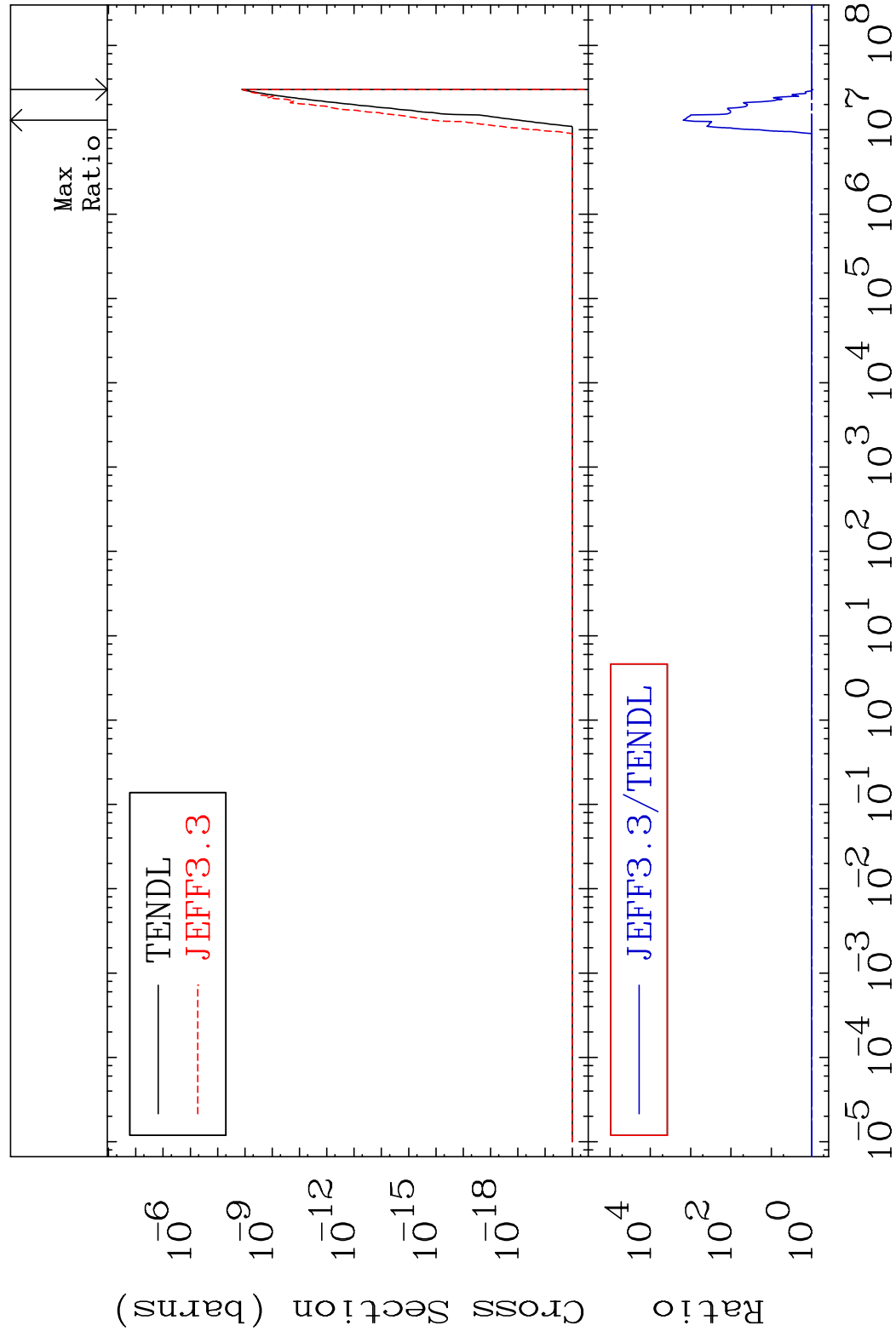
75-Re-187

MAT 7531

(n,p) α

75-Re-187

Cross Section -7.166 To 9999. %



51

Incident Energy (eV)

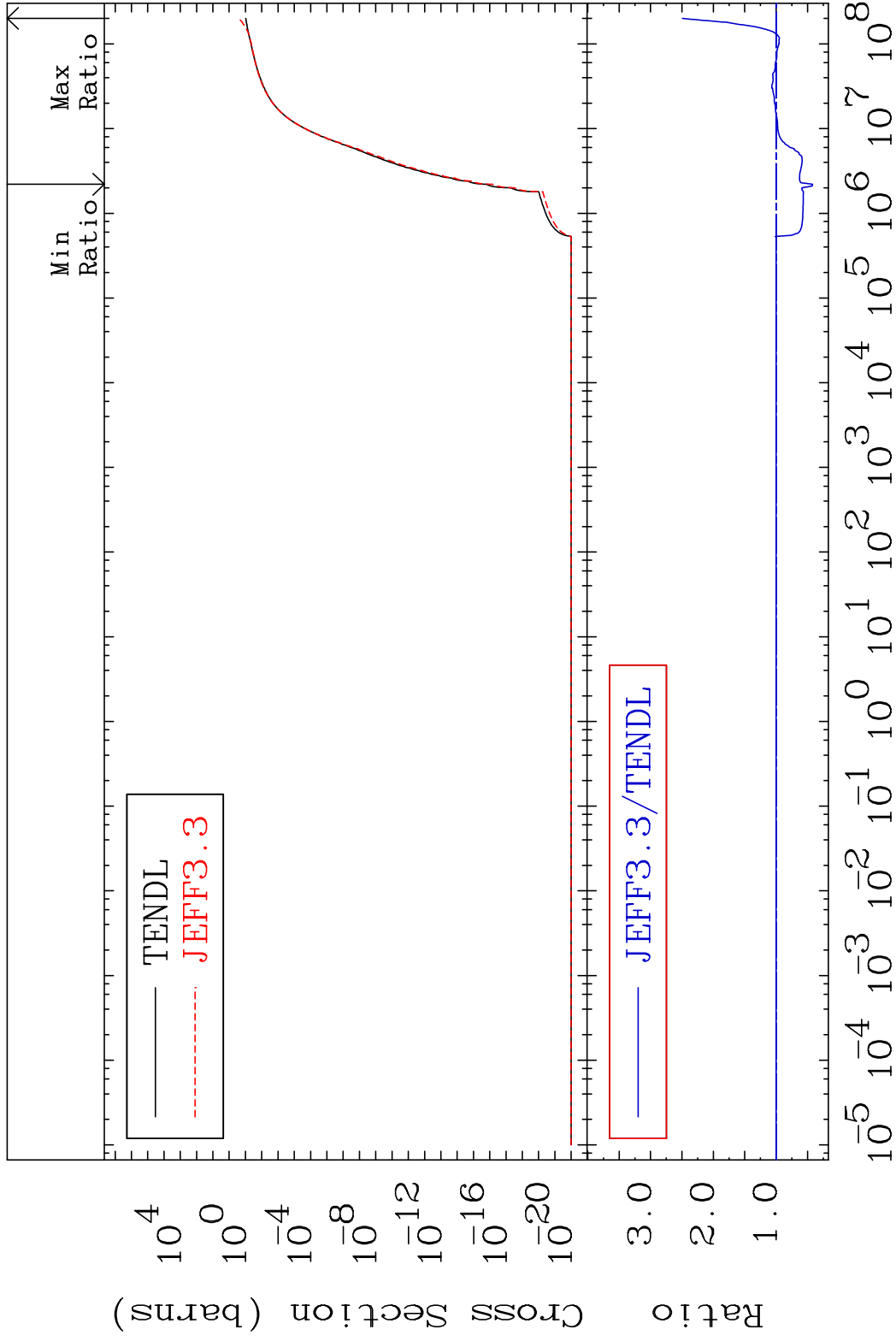
75-Re-187

MAT 7531

Hydrogen Production

75-Re-187

Cross Section -57.98 To 149.4 %

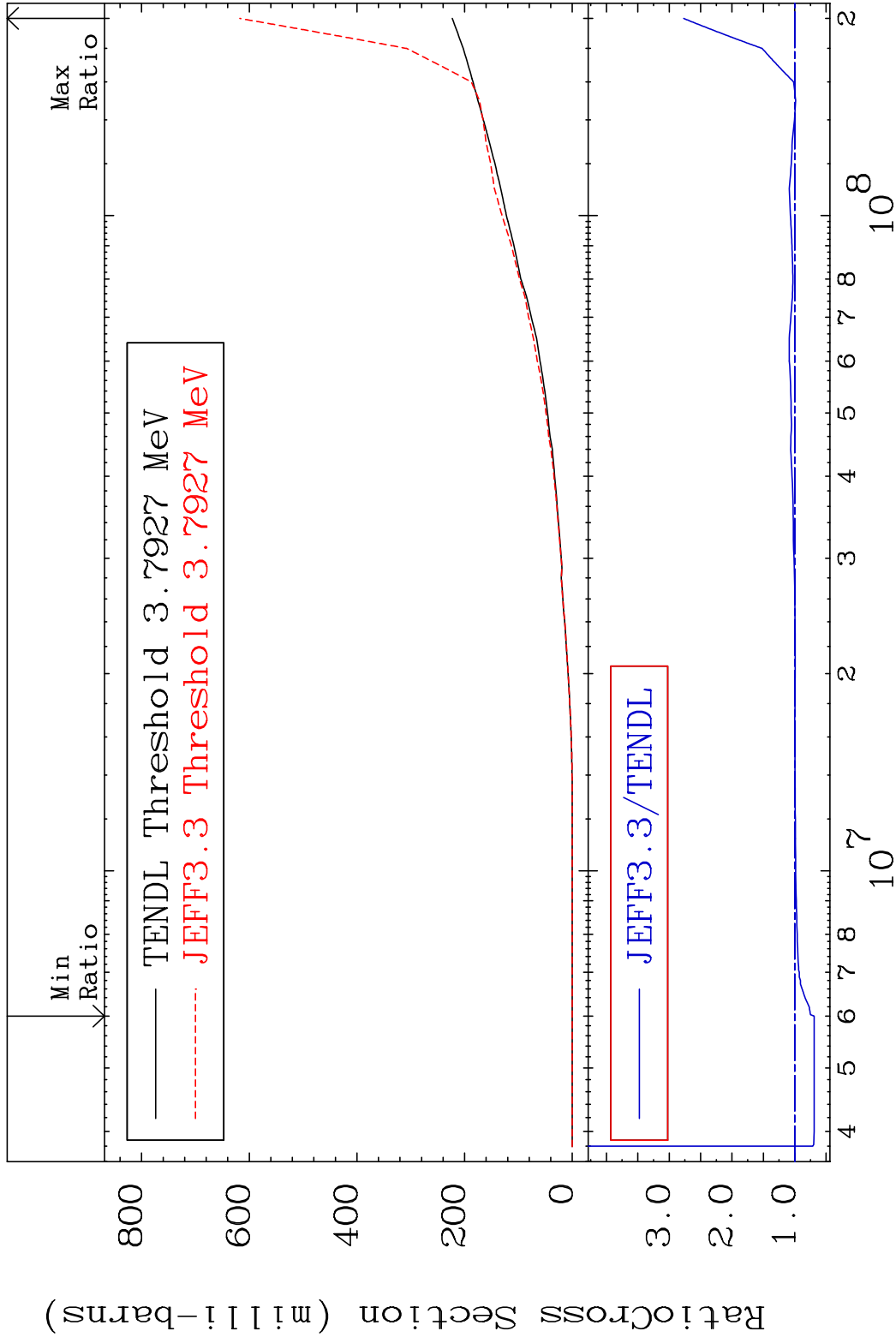


MAT 7531

Deuterium Production

75-Re-187

Cross Section -30.84 To 176.9 %



53

Incident Energy (eV)

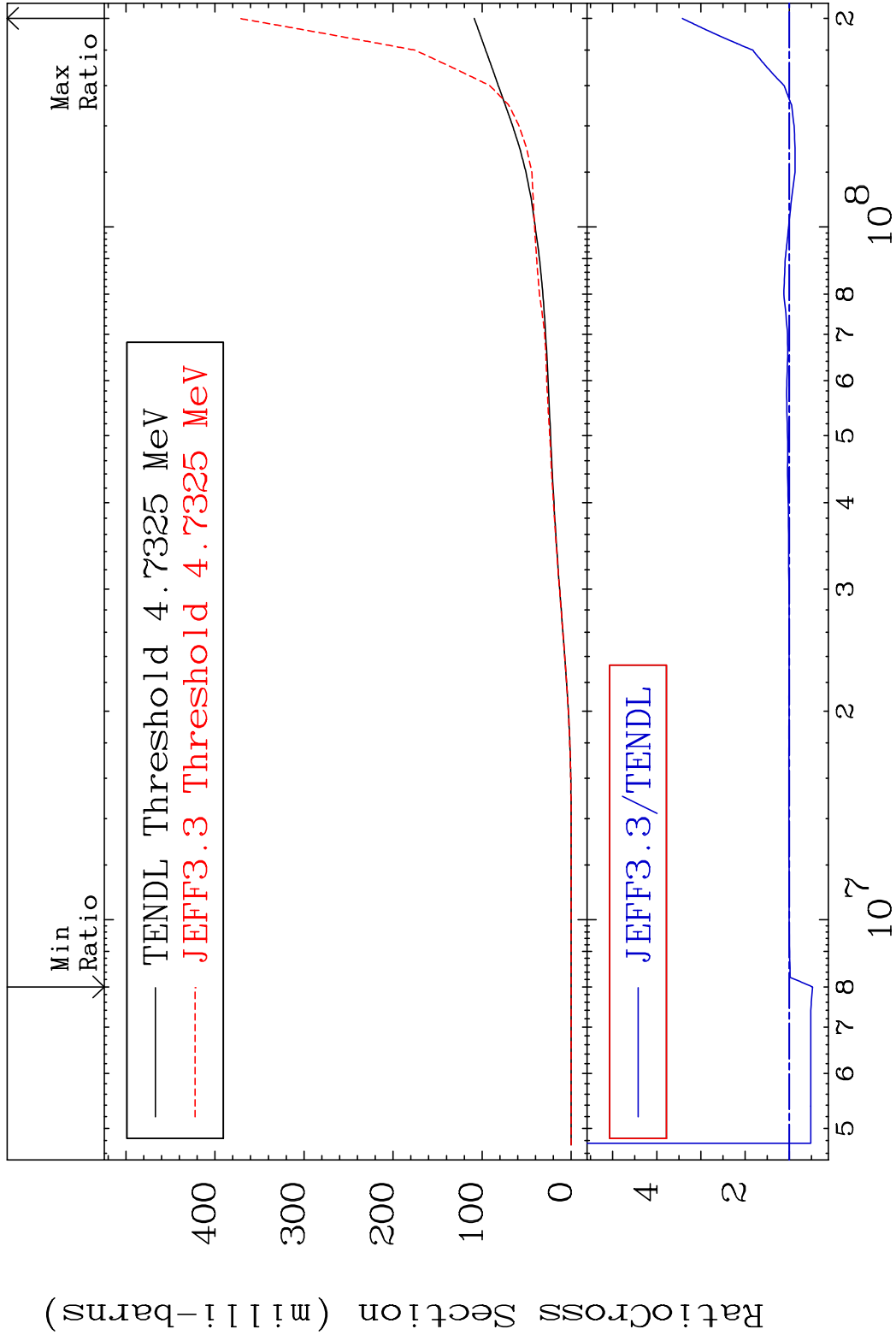
75-Re-187

MAT 7531

Tritium Production

75-Re-187

Cross Section -52.66 To 242.1 %



54

Incident Energy (eV)

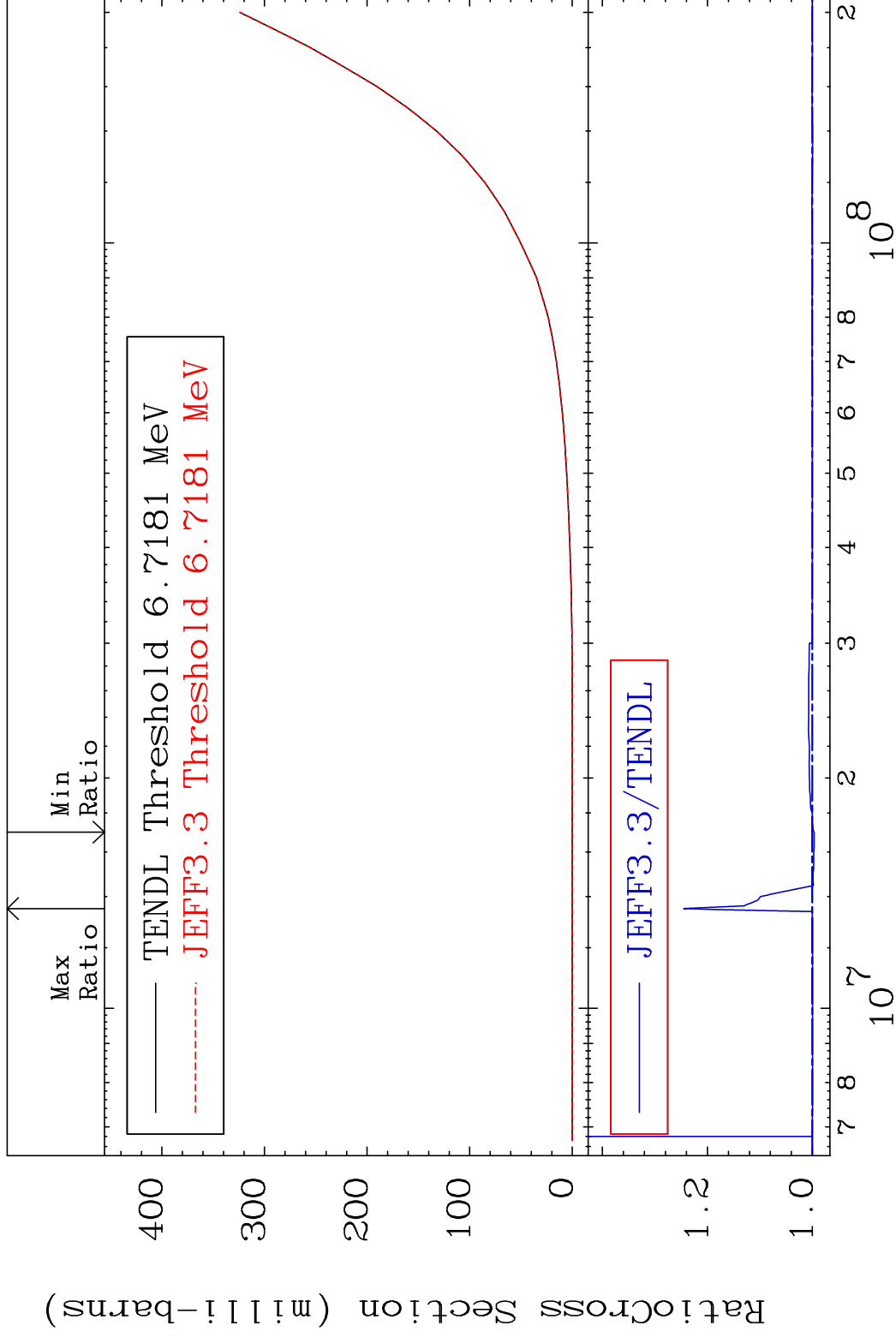
75-Re-187

MAT 7531

He-3 Production

75-Re-187

Cross Section -0.329 To 24.52 %

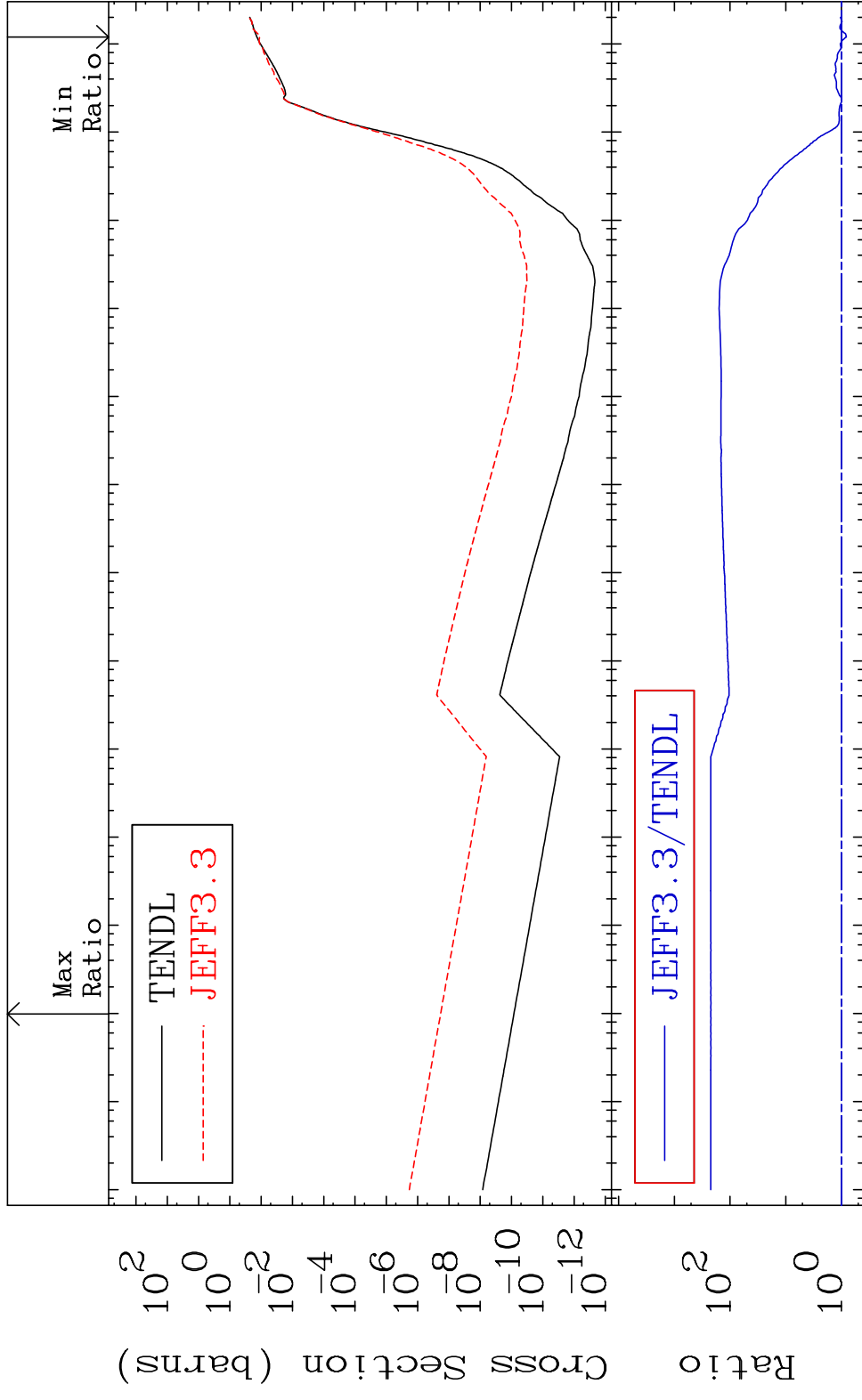


55

Incident Energy (eV)

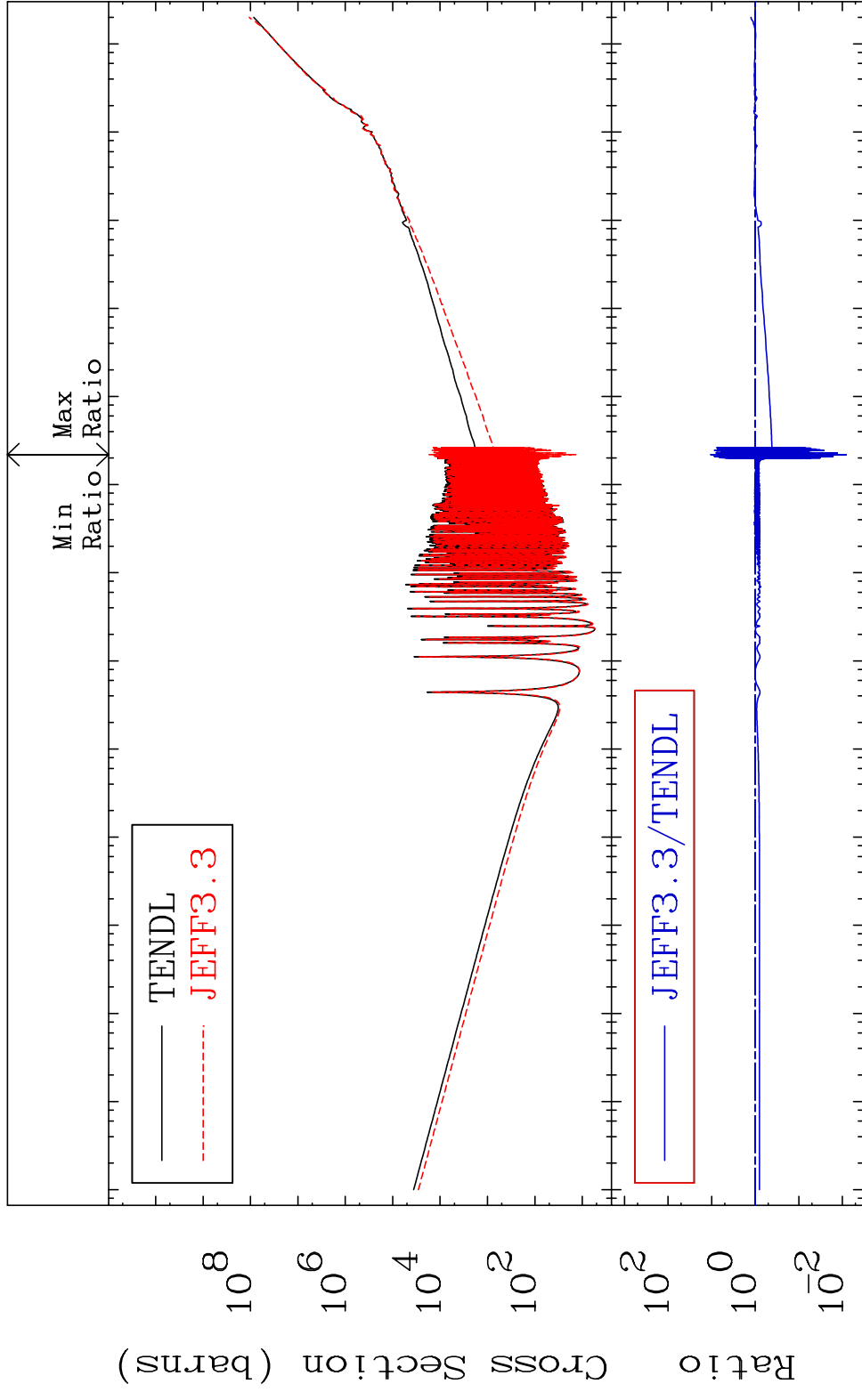
75-Re-187

MAT 7531 He-4 Production 75-Re-187
 Cross Section -18.39 To 9999. %



56 Incident Energy (eV) 75-Re-187

MAT 7531 Kerma total (eV-barns) 75-Re-187
 Cross Section -99.19 To 948.6 %

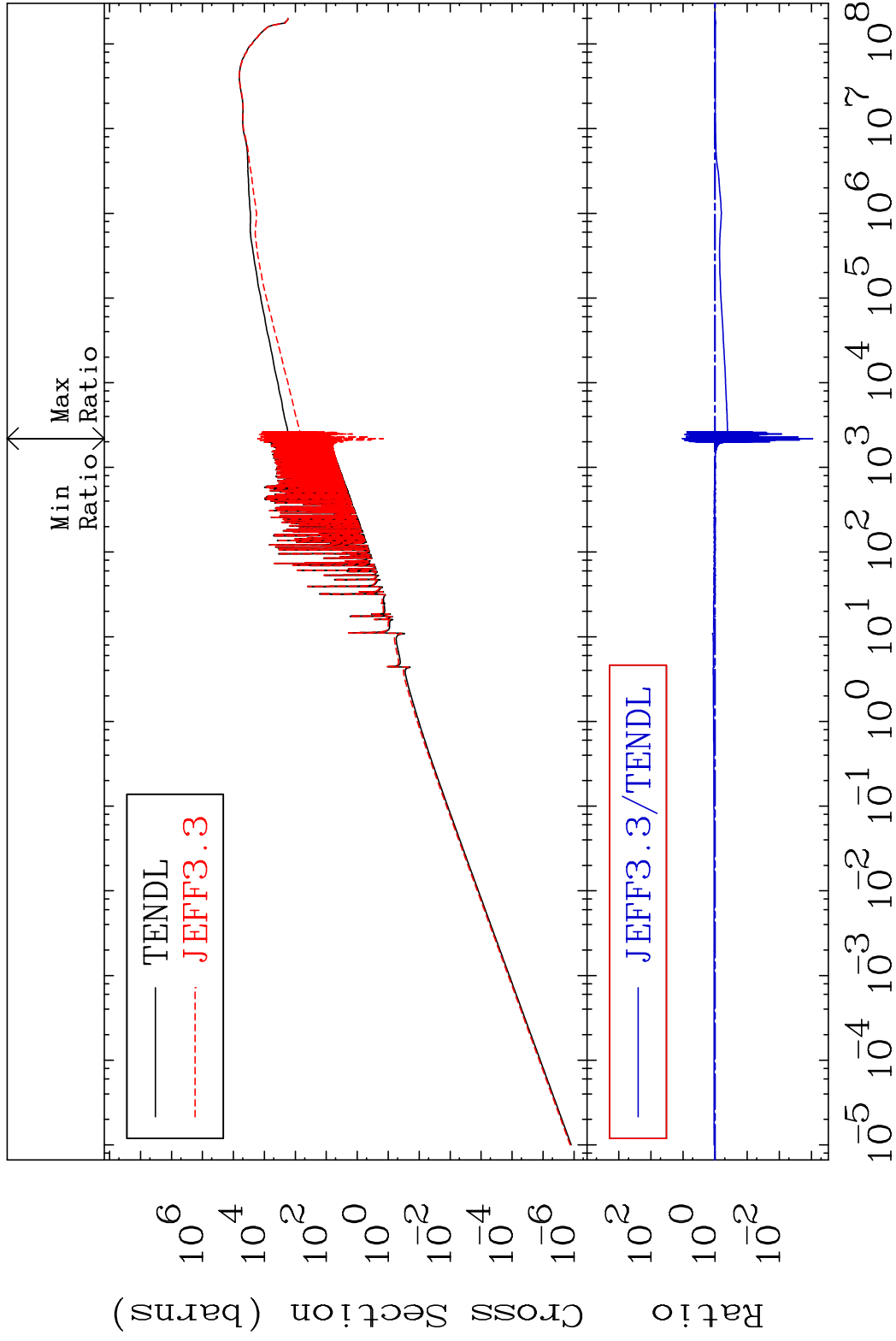


MAT 7531

Kerma elastic

75-Re-187

Cross Section -99.91 To 948.9 %

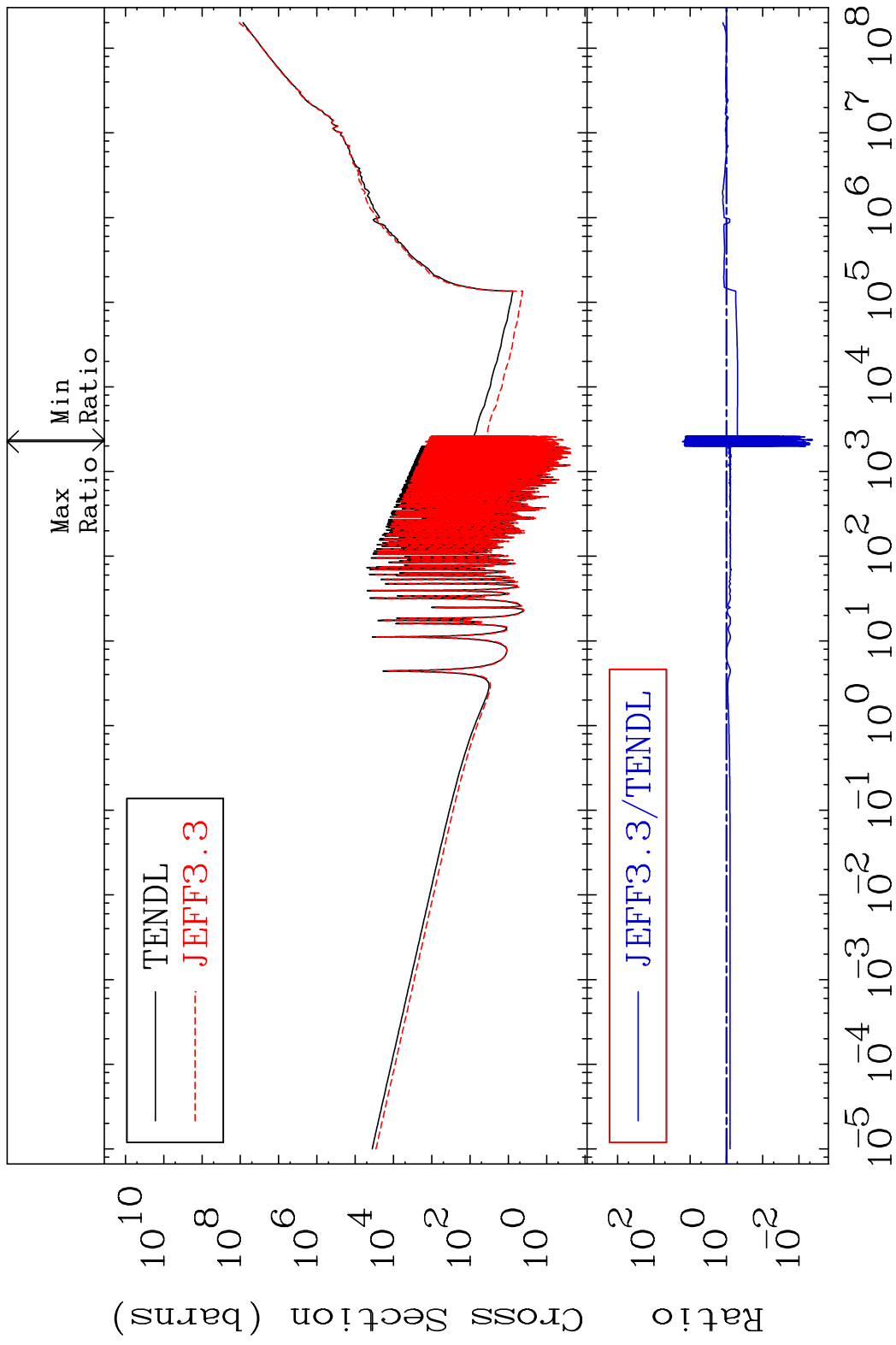


58

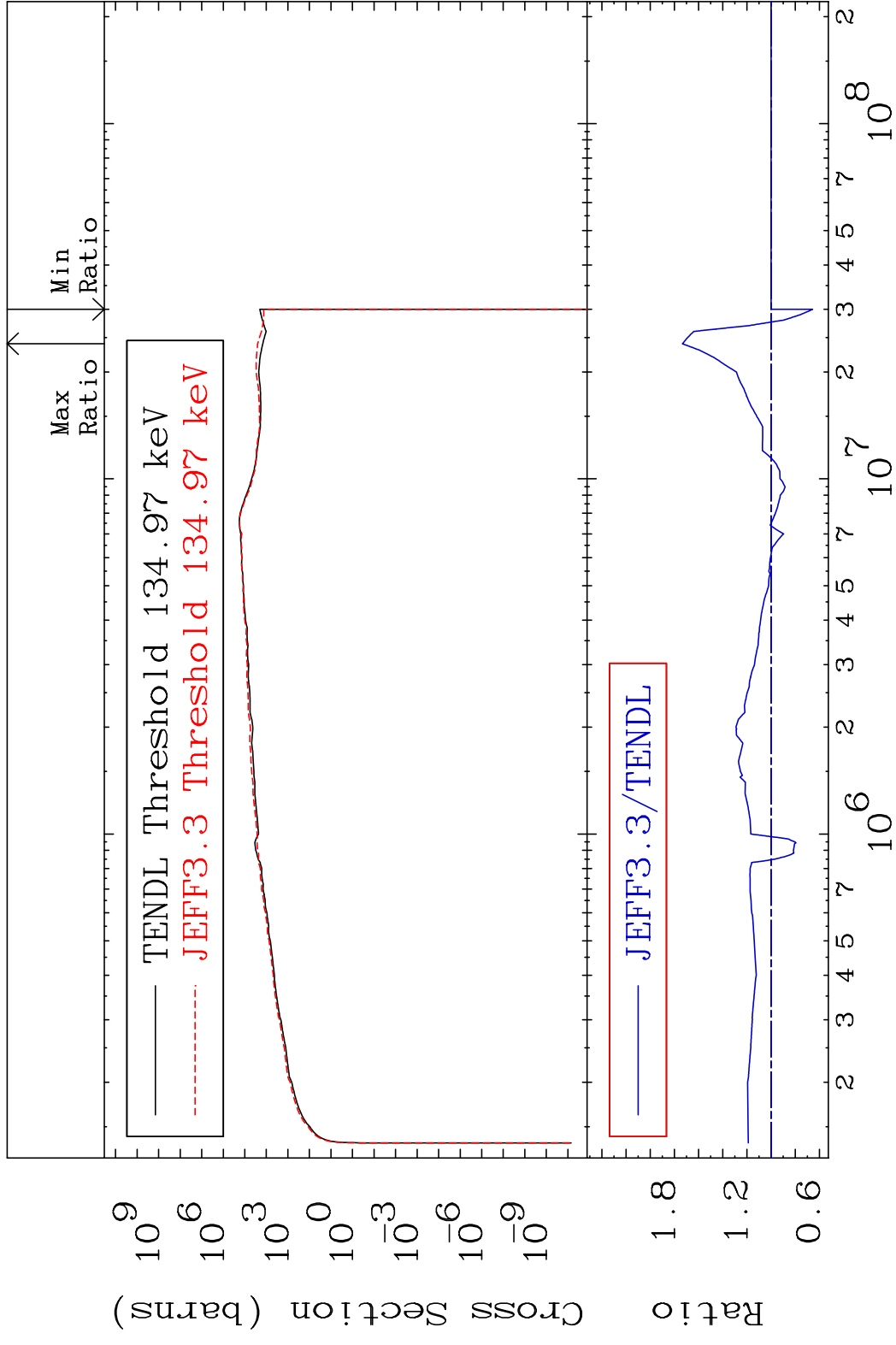
Incident Energy (eV)

75-Re-187

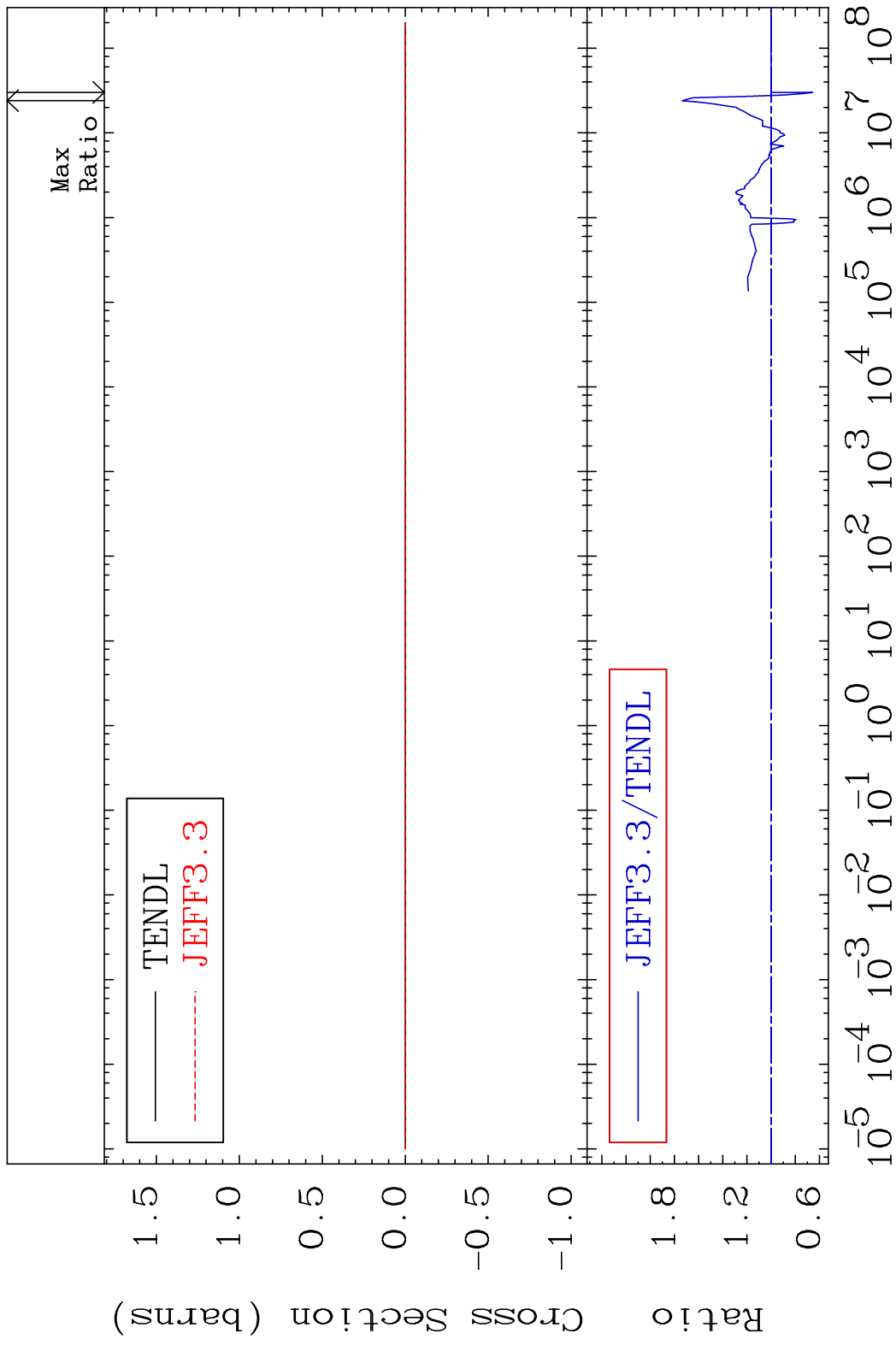
MAT 7531 Kerma non-elastic (all but mt2) 75-Re-187
 Cross Section -99.58 To 1542. %



MAT 7531 Kerma inelastic (mt51-91) 75-Re-187
 Cross Section -34.27 To 73.46 %



MAT 7531 Kerma fission (mt18 or mt19-20-21-38)75-Re-187
 Cross Section -34.27 To 73.46 %

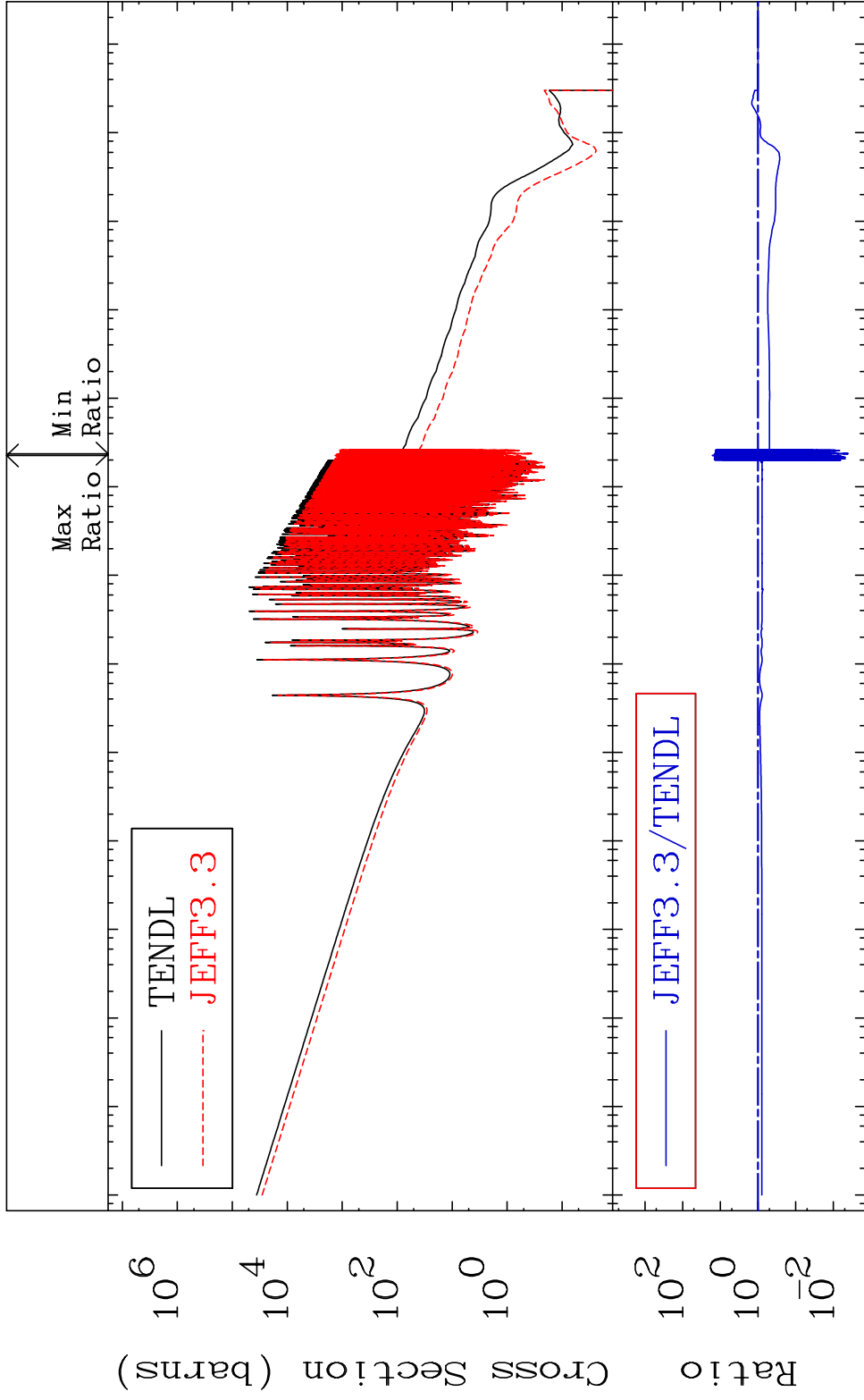


MAT 7531

Kerma capture (mt102)

75-Re-187

Cross Section -99.60 To 1542. %



62

Incident Energy (eV)

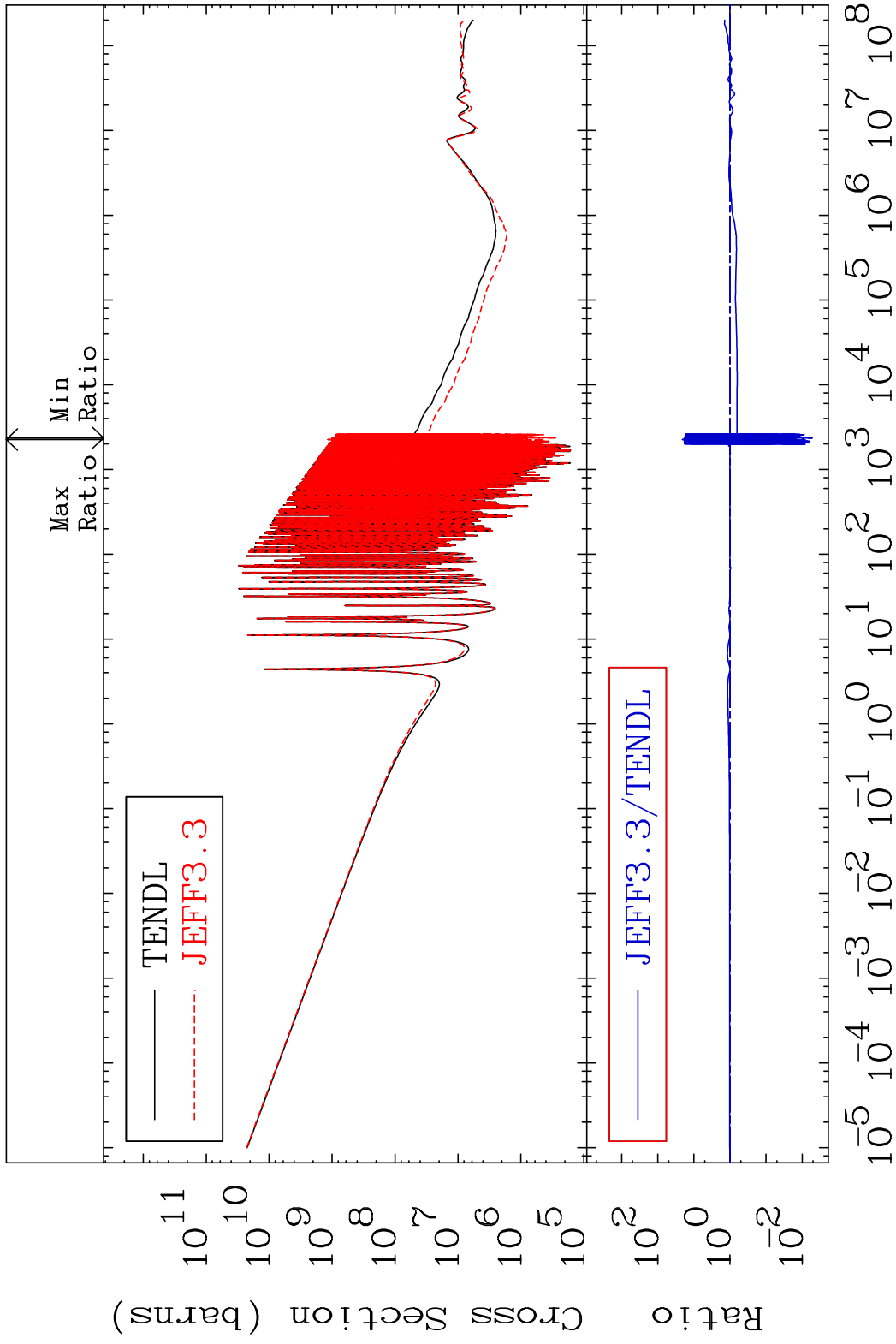
75-Re-187

MAT 7531

Total photon (eV-barns)

75-Re-187

Cross Section -99.48 To 2008. %

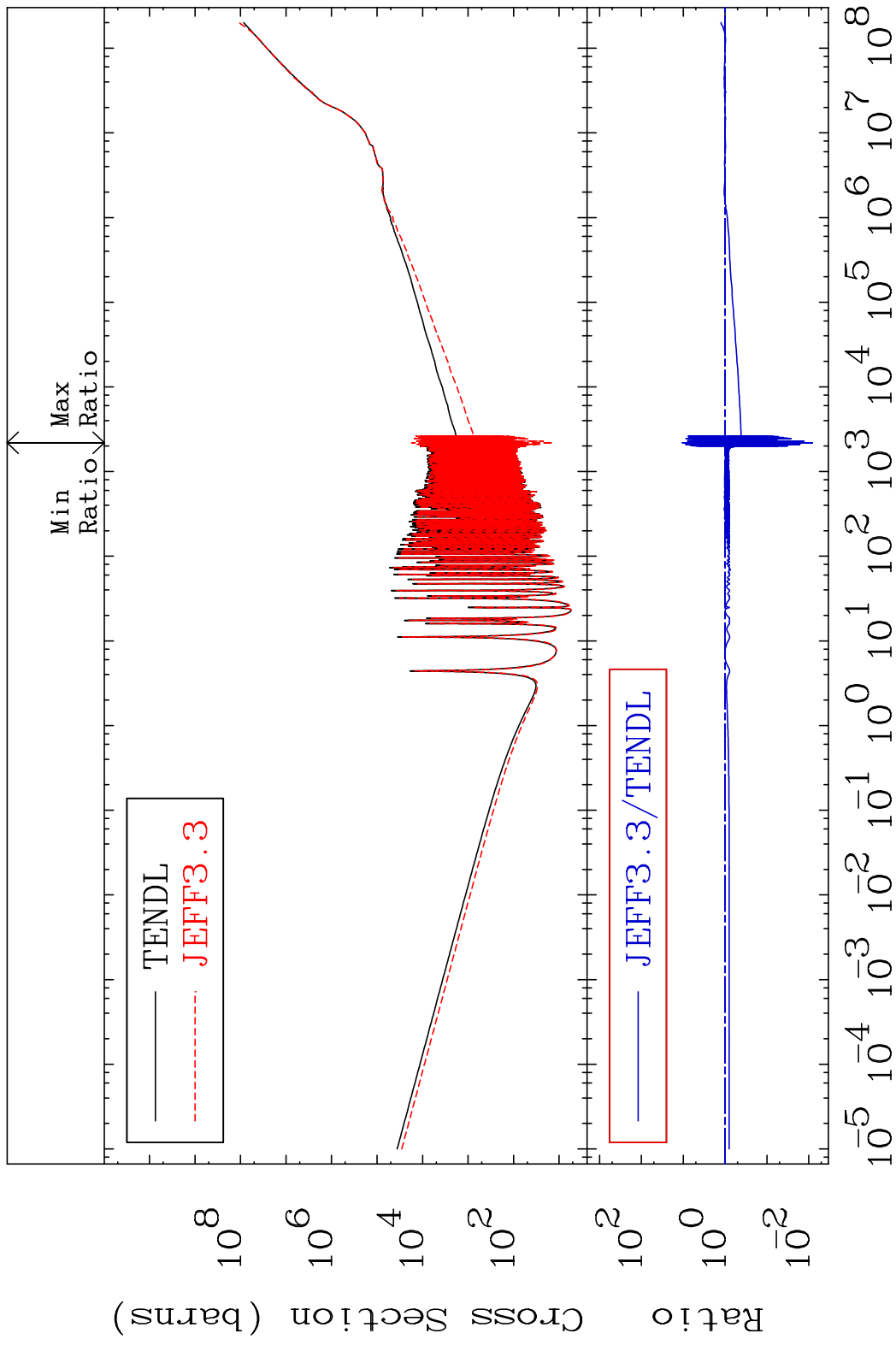


63

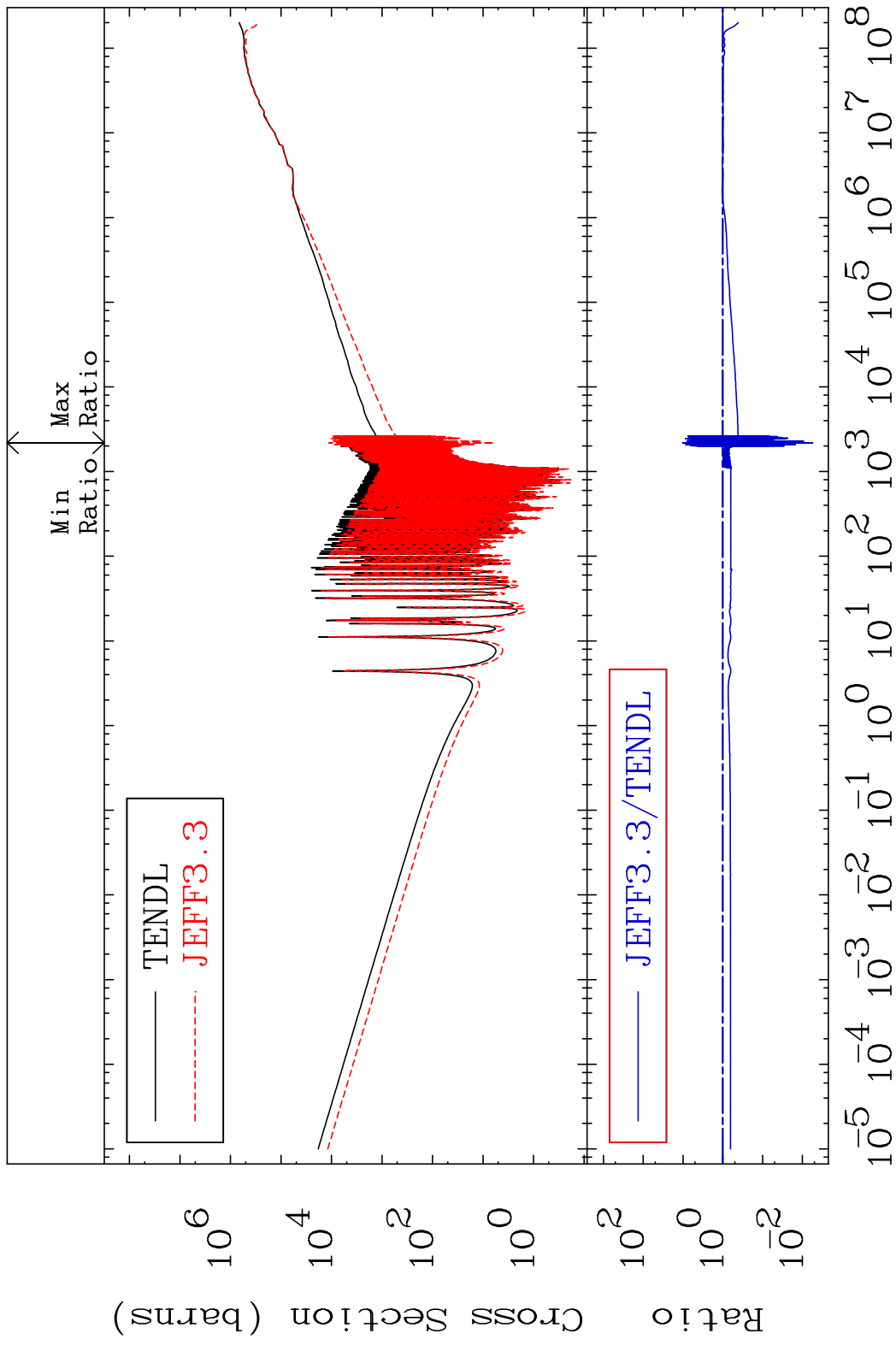
Incident Energy (eV)

75-Re-187

MAT 7531 Total kinematic kerma (high limit) 75-Re-187
 Cross Section -99.19 To 948.6 %



MAT 7531 Dpa total (eV-barns) 75-Re-187
 Cross Section -99.45 To 940.3 %

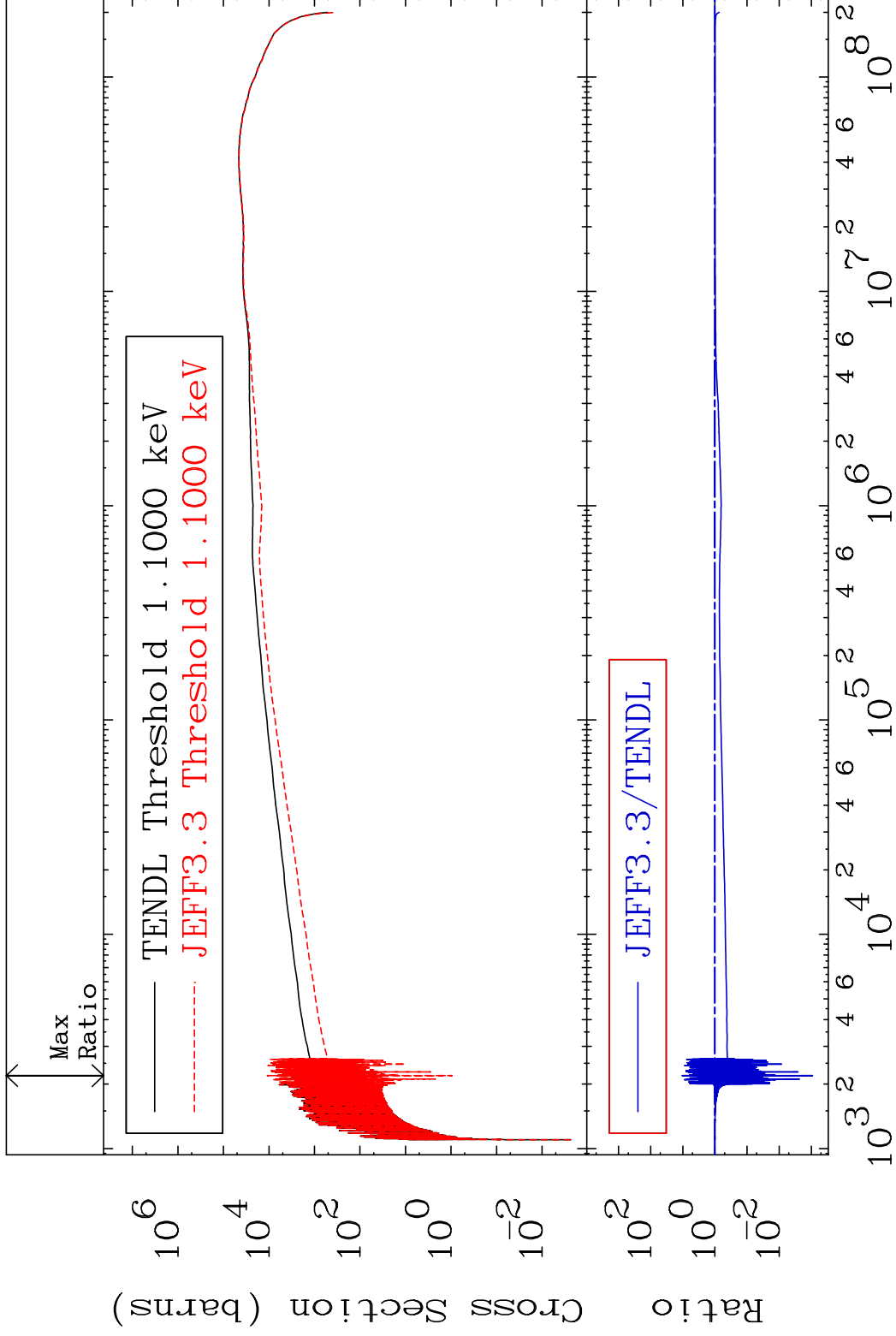


MAT 7531

Dpa elastic (mt2)

75-Re-187

Cross Section -99.91 To 949.1 %

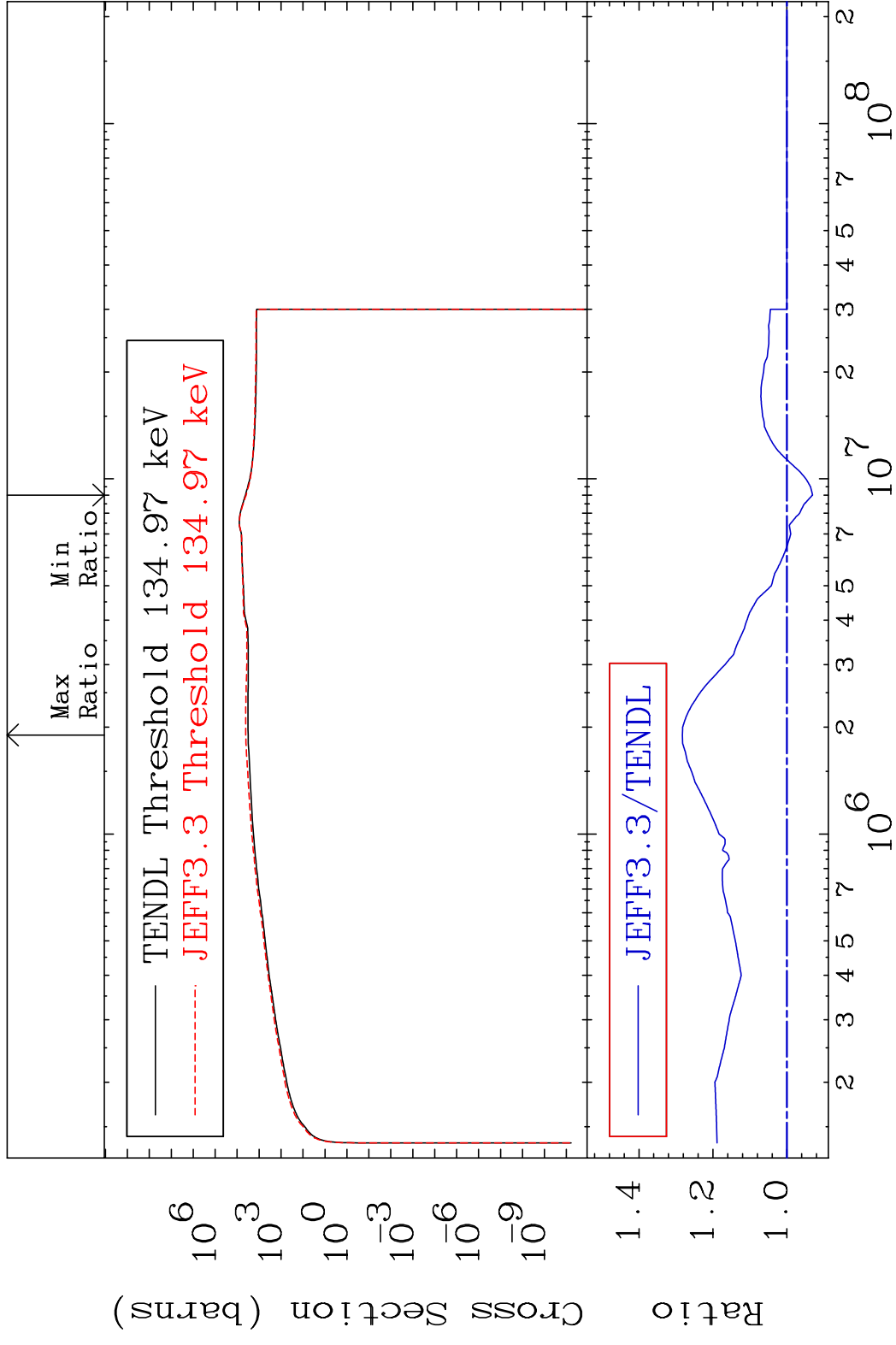


66

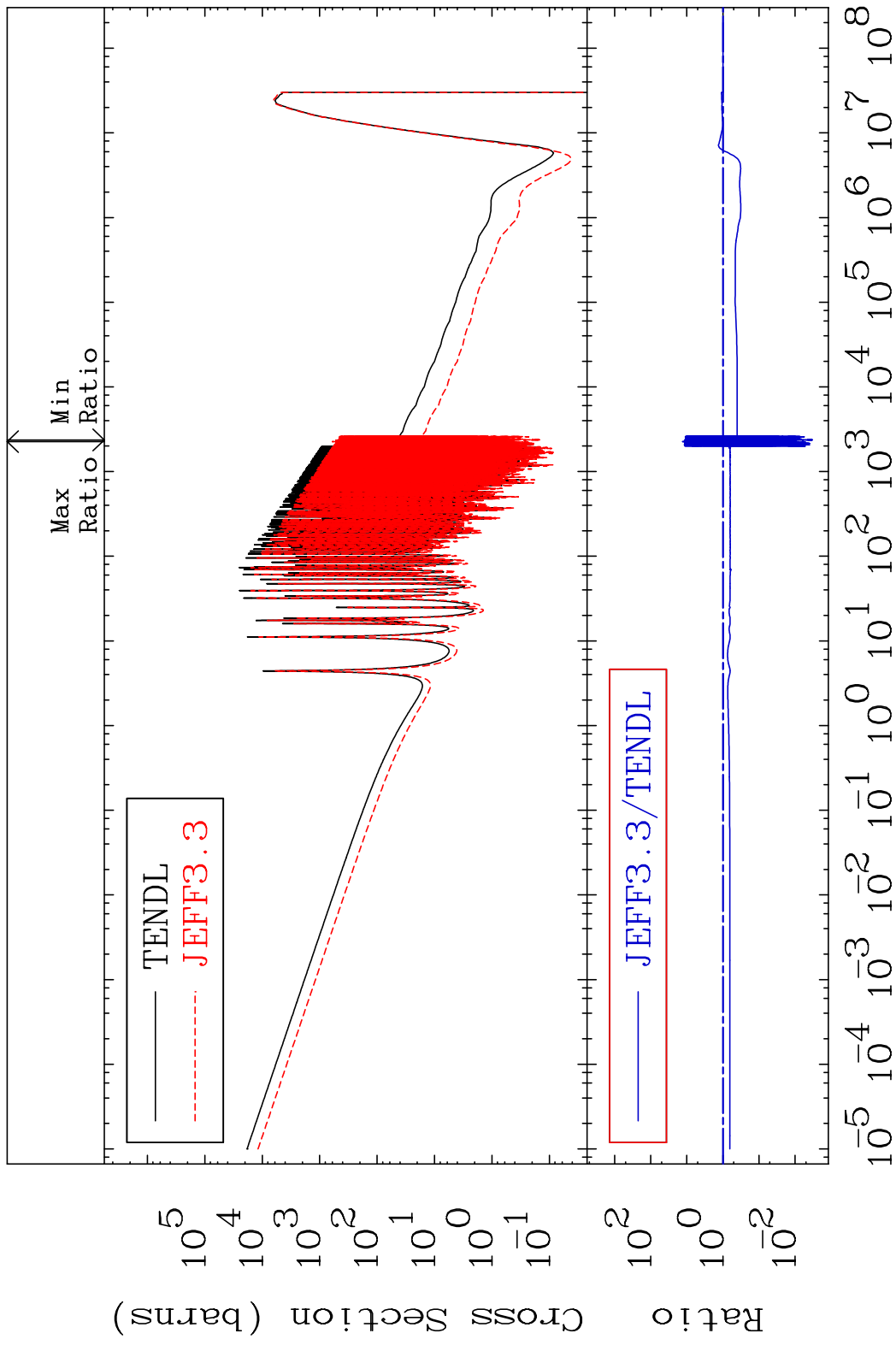
Incident Energy (eV)

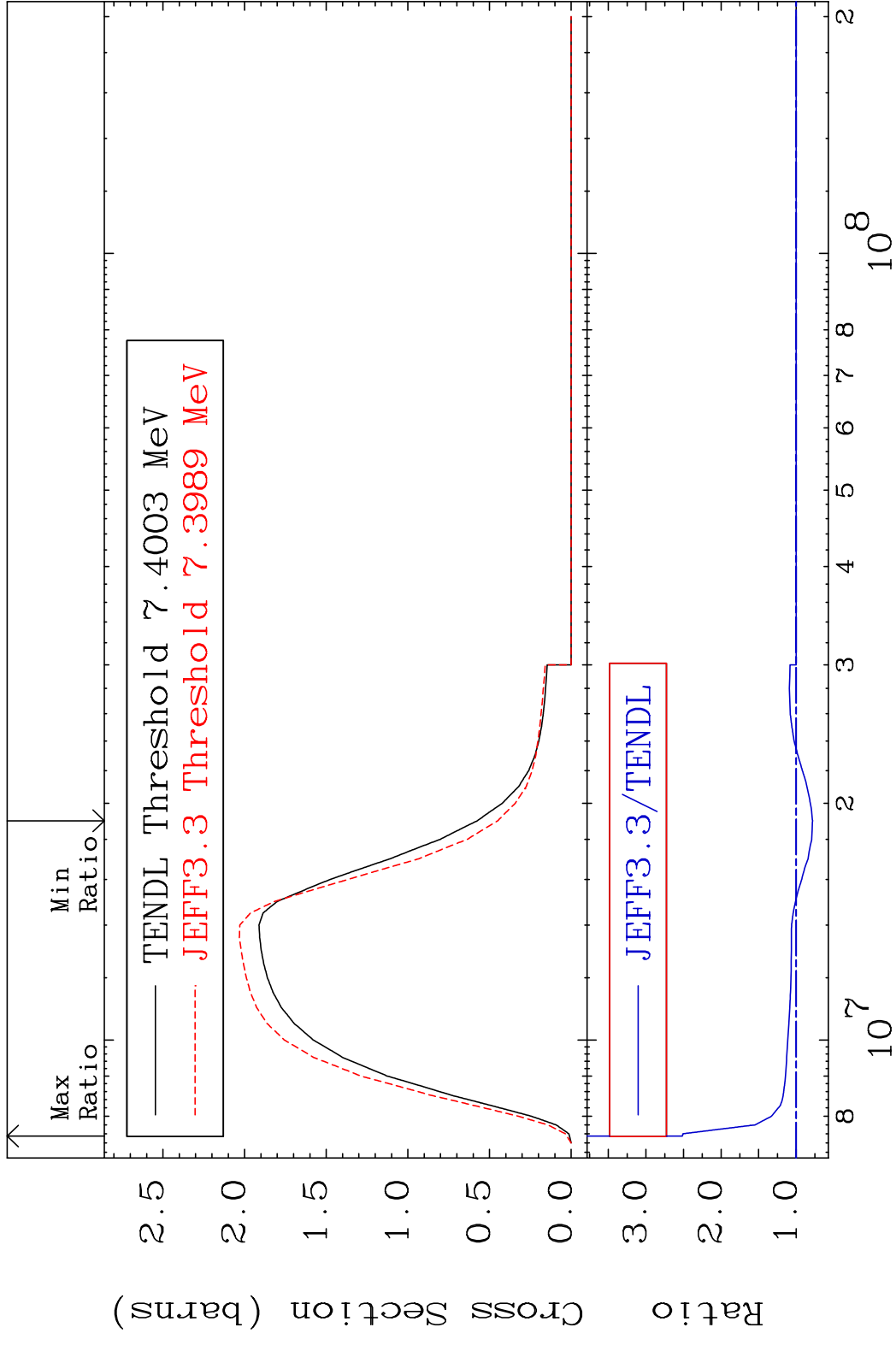
75-Re-187

MAT 7531 Dpa inelastic (mt51-91) 75-Re-187
 Cross Section -6.922 To 28.27 %

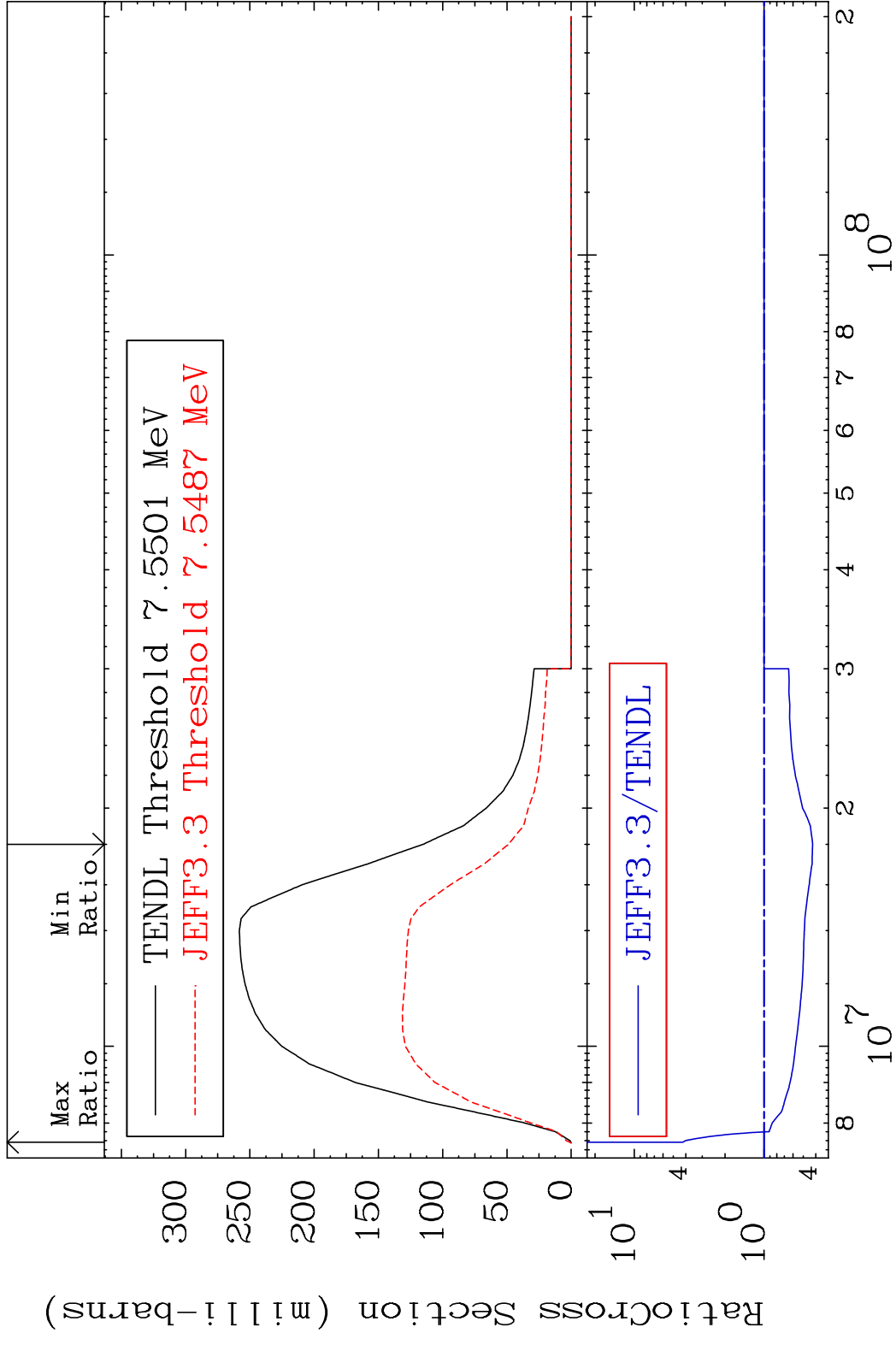


MAT 7531 Dpa disappearance (mt102 -120) 75-Re-187
 Cross Section -99.67 To 1230. %

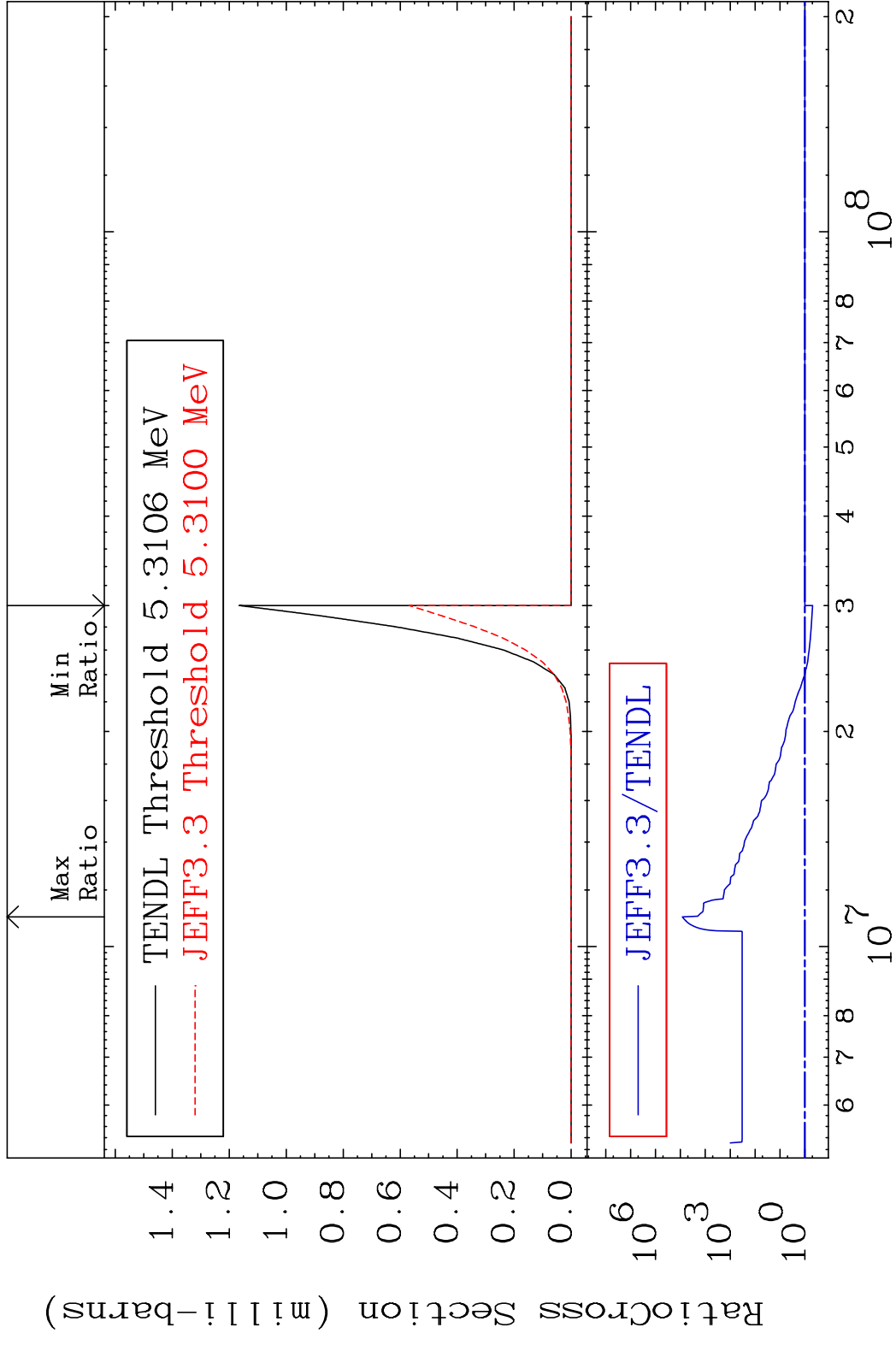


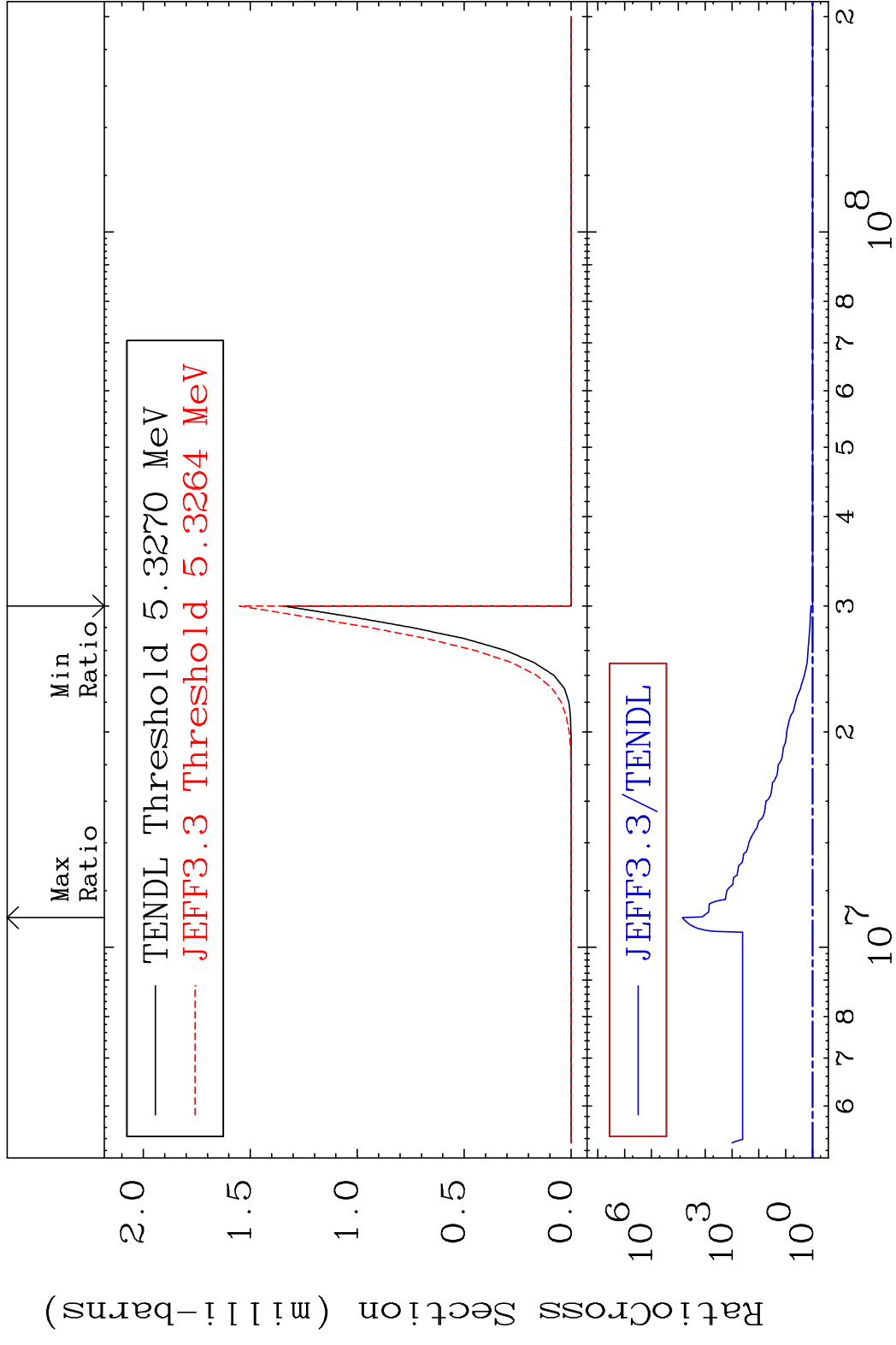


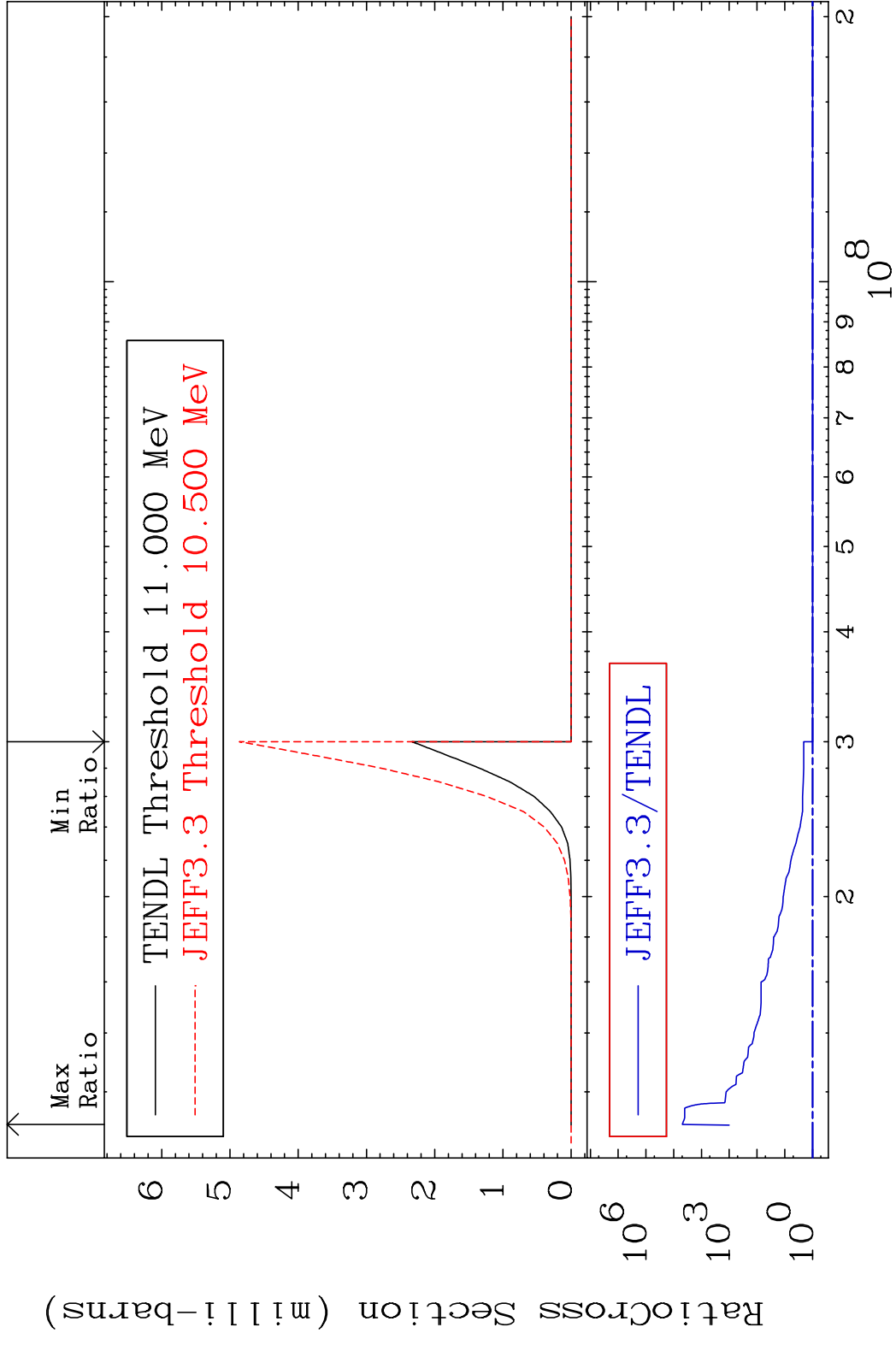
MAT 7531 (n,2n):75-Re-186m4 75-Re-187
 Radionuclide Production Cross Section 326.0 %



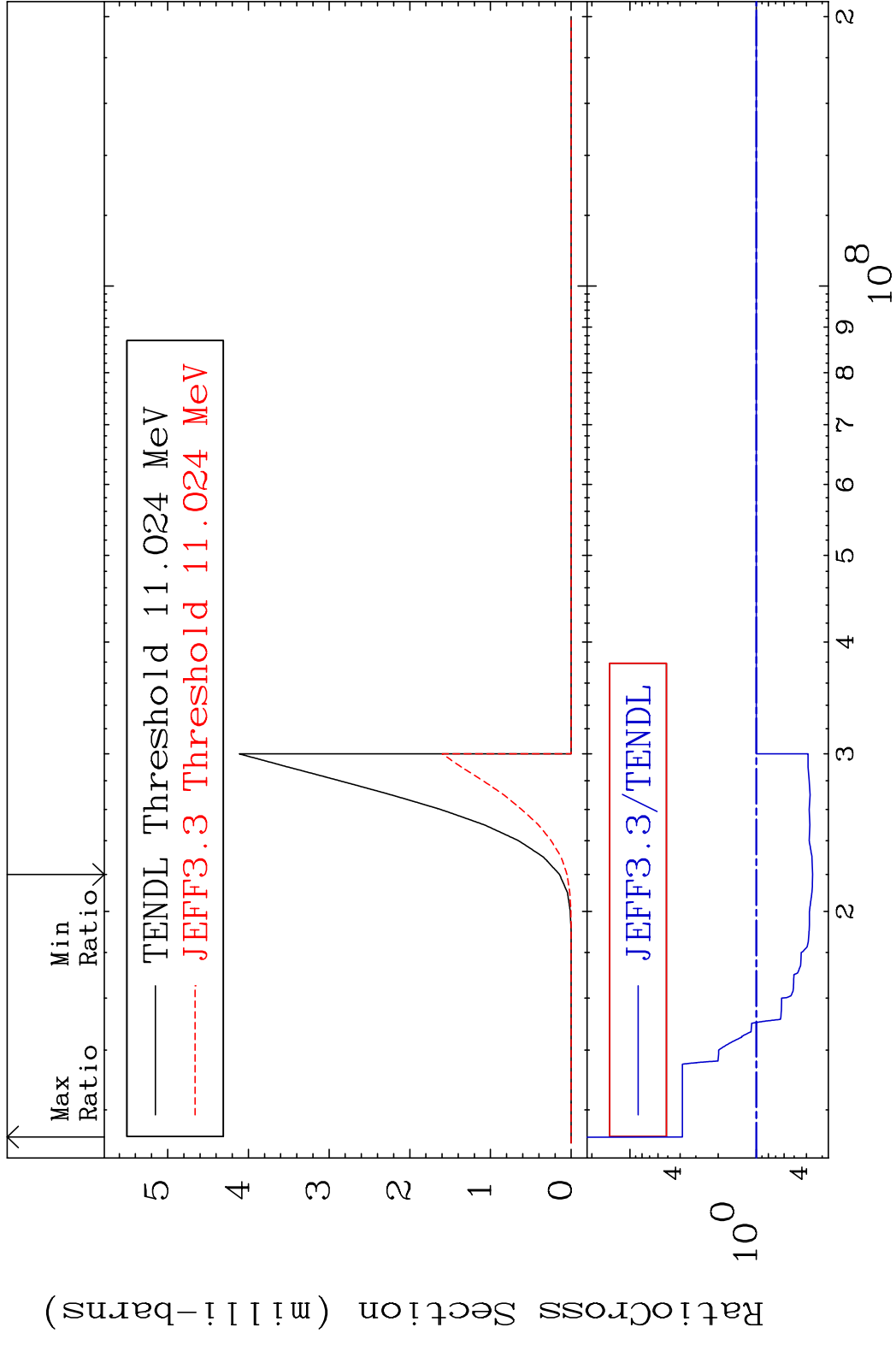
70 Incident Energy (eV) 75-Re-187



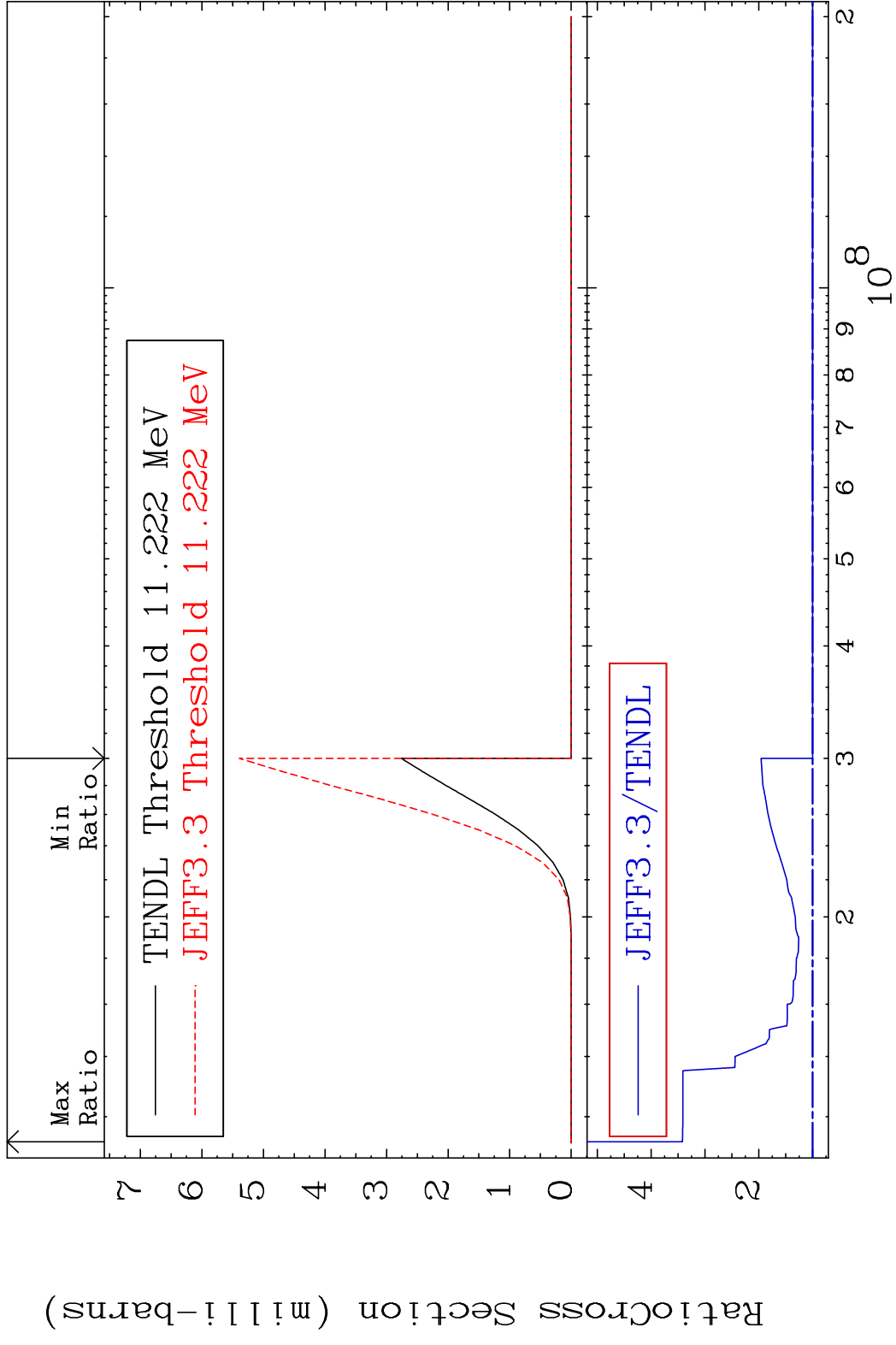




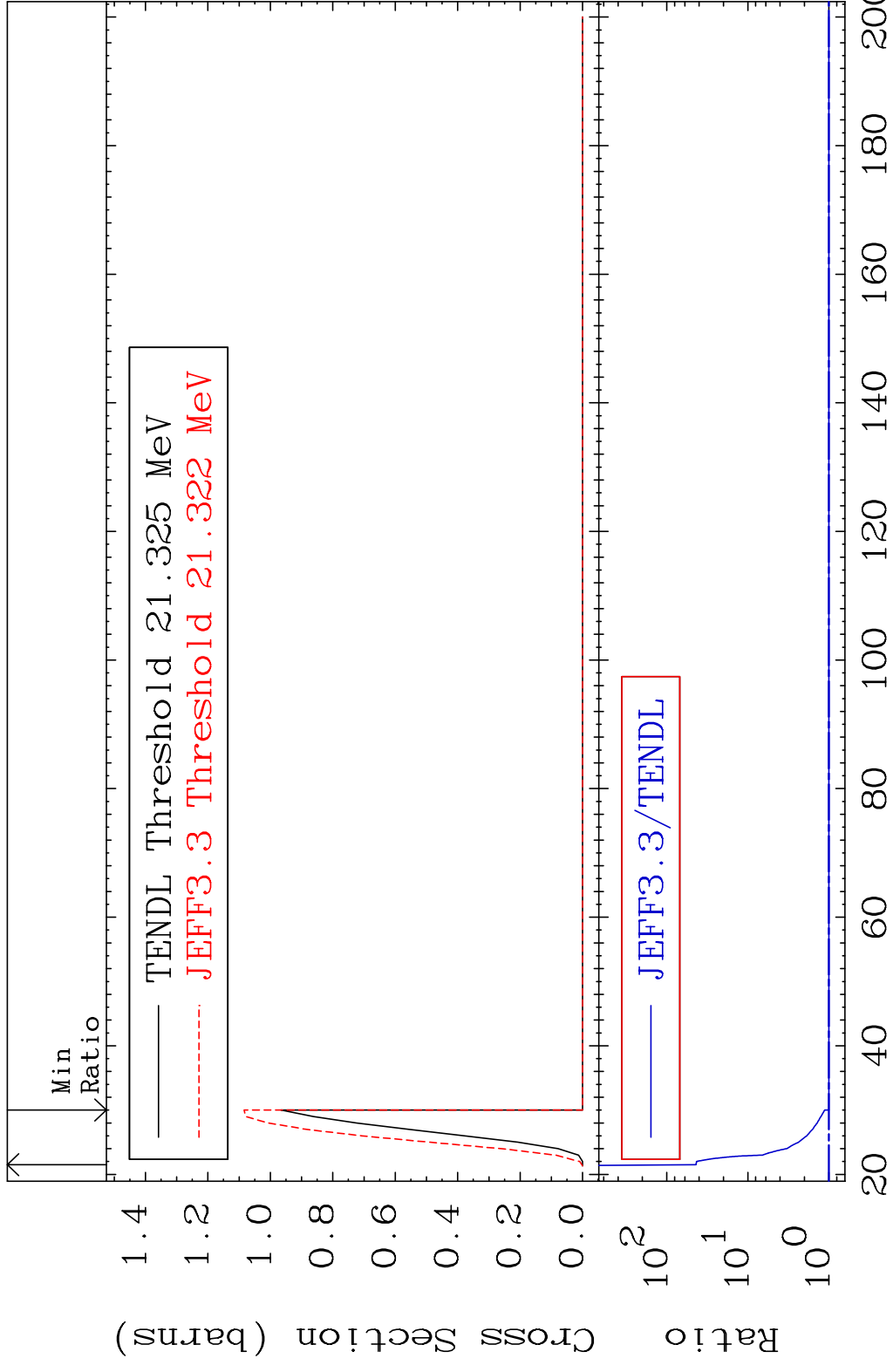
MAT 7531 (n, n') d:74-W -185g 75-Re-187
 Radionuclide Production Cross Section 284.2 %

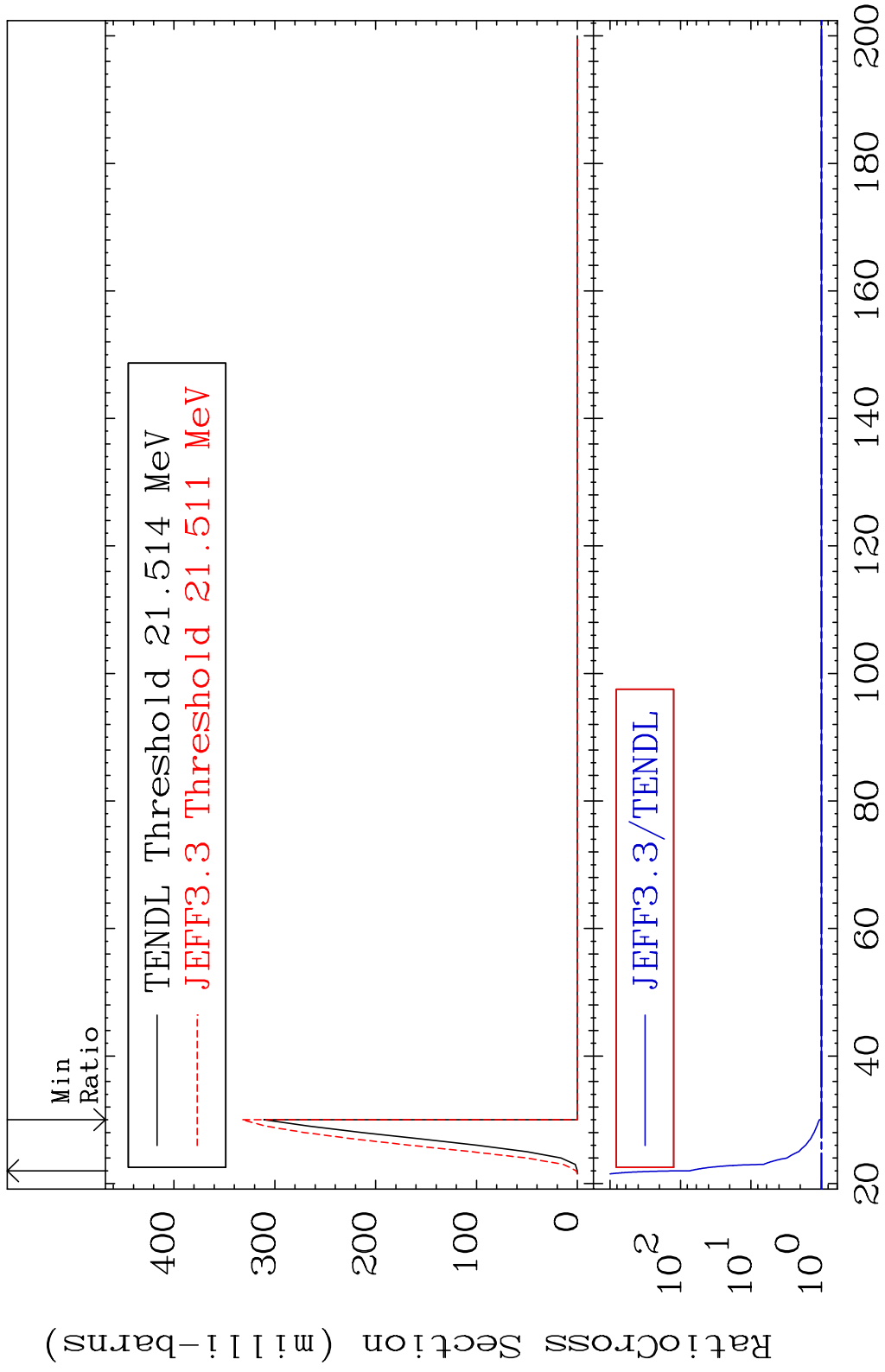


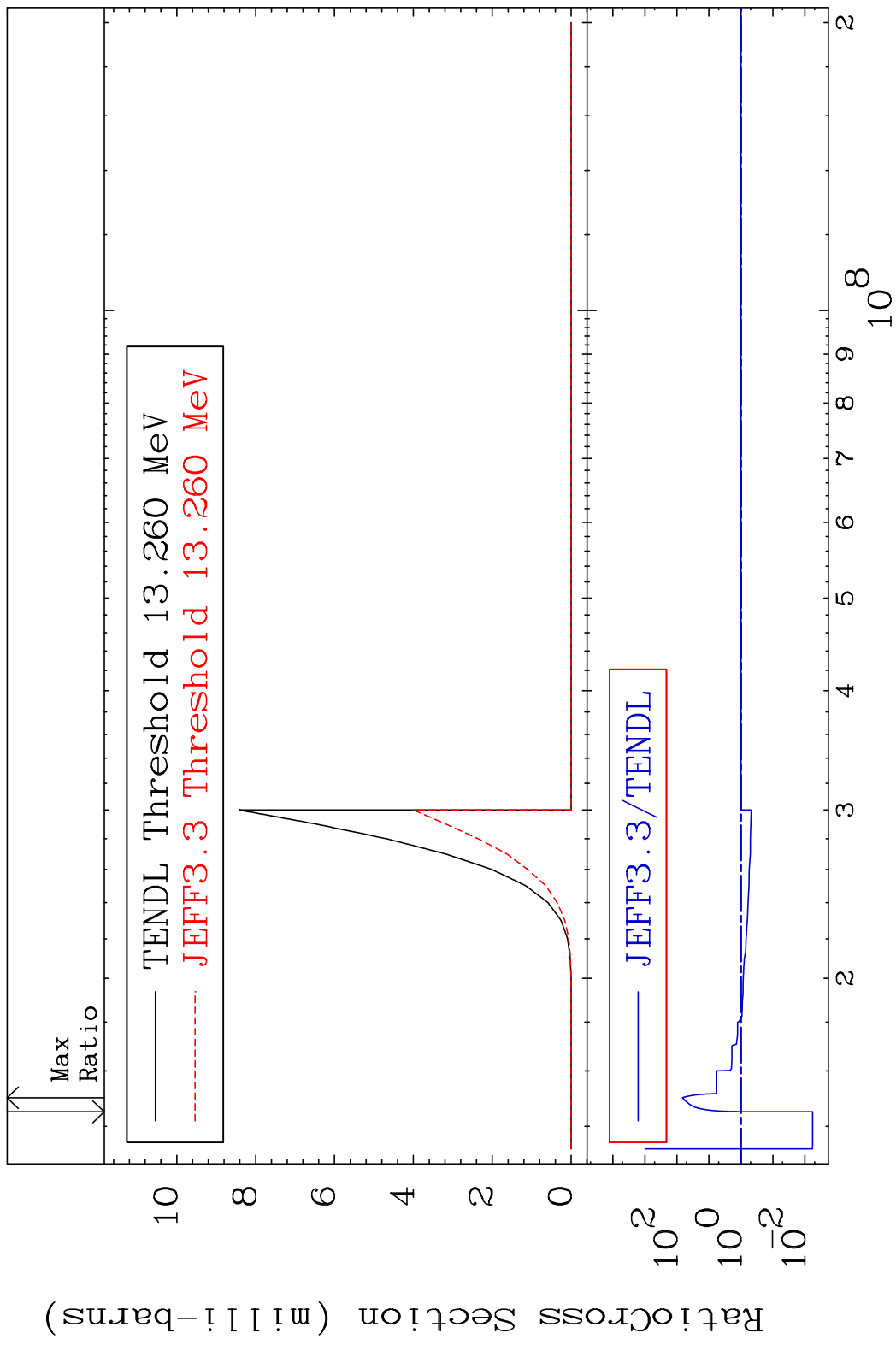
MAT 7531 (n, n') d:74-W -185m6 75-Re-187
 Radionuclide Production Cross Section 241.9 %

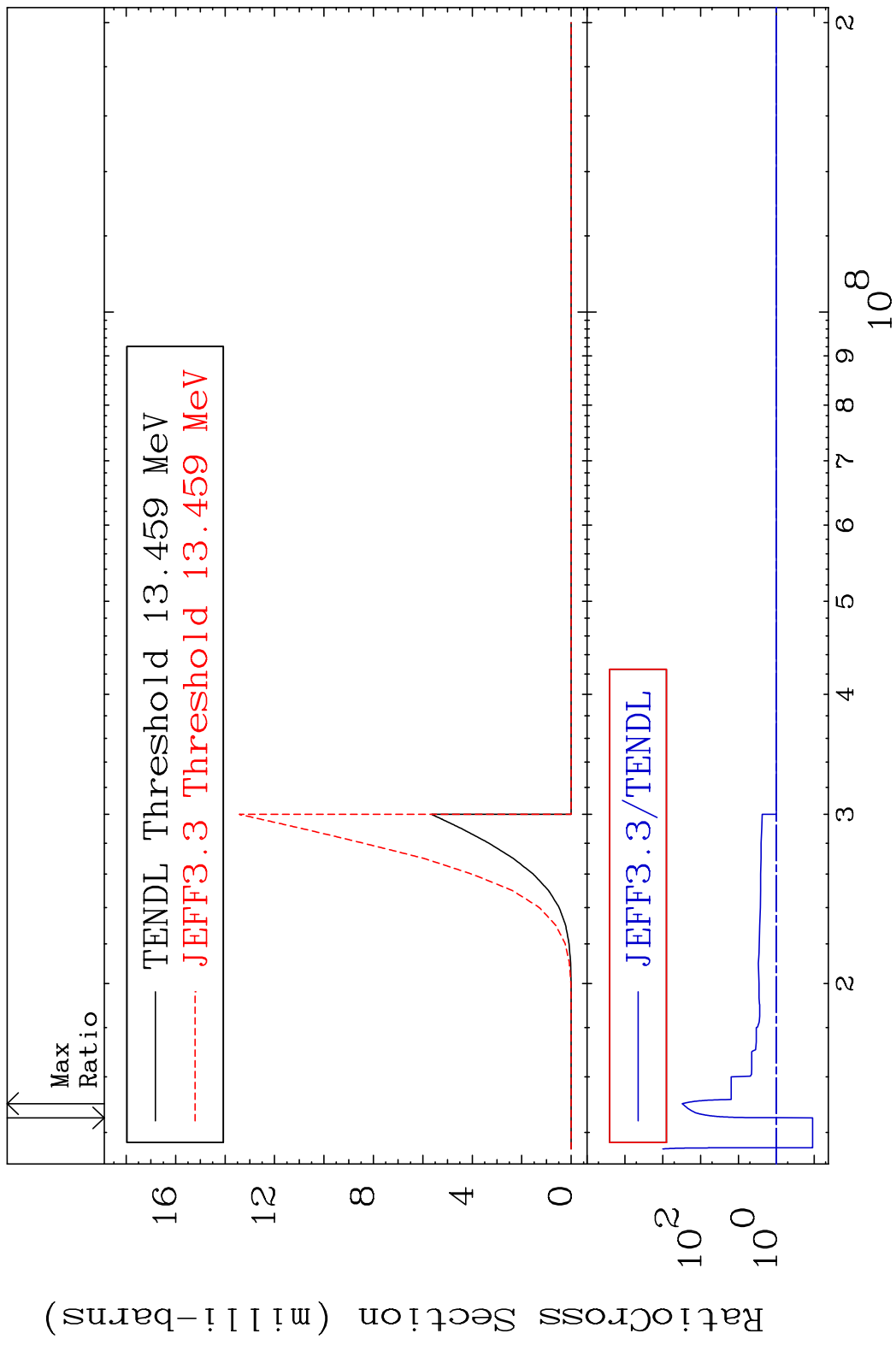


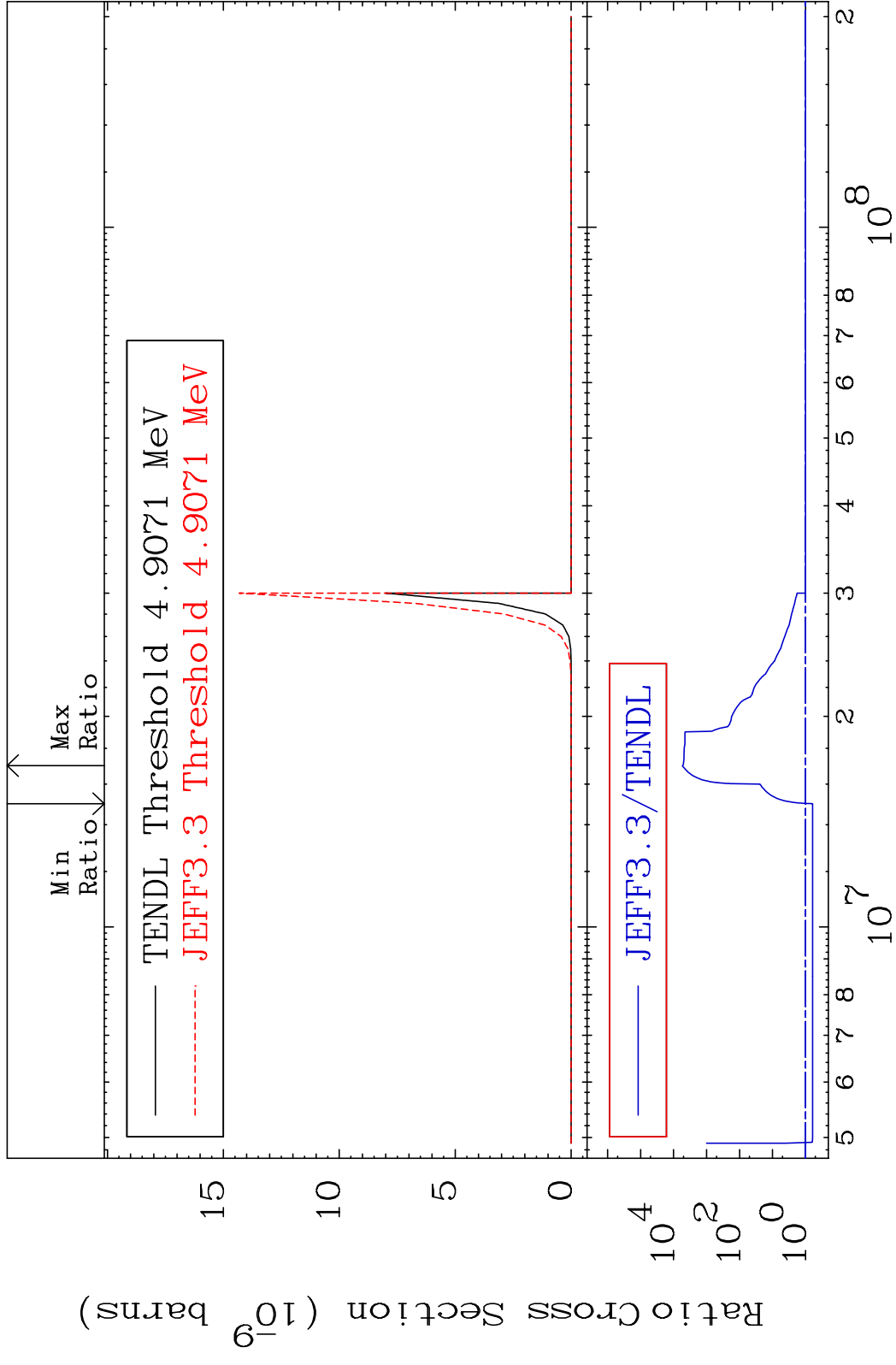
MAT 7531 (n,4n):75-Re-184g 75-Re-187
 Radionuclide Production Cross Section 4260. %

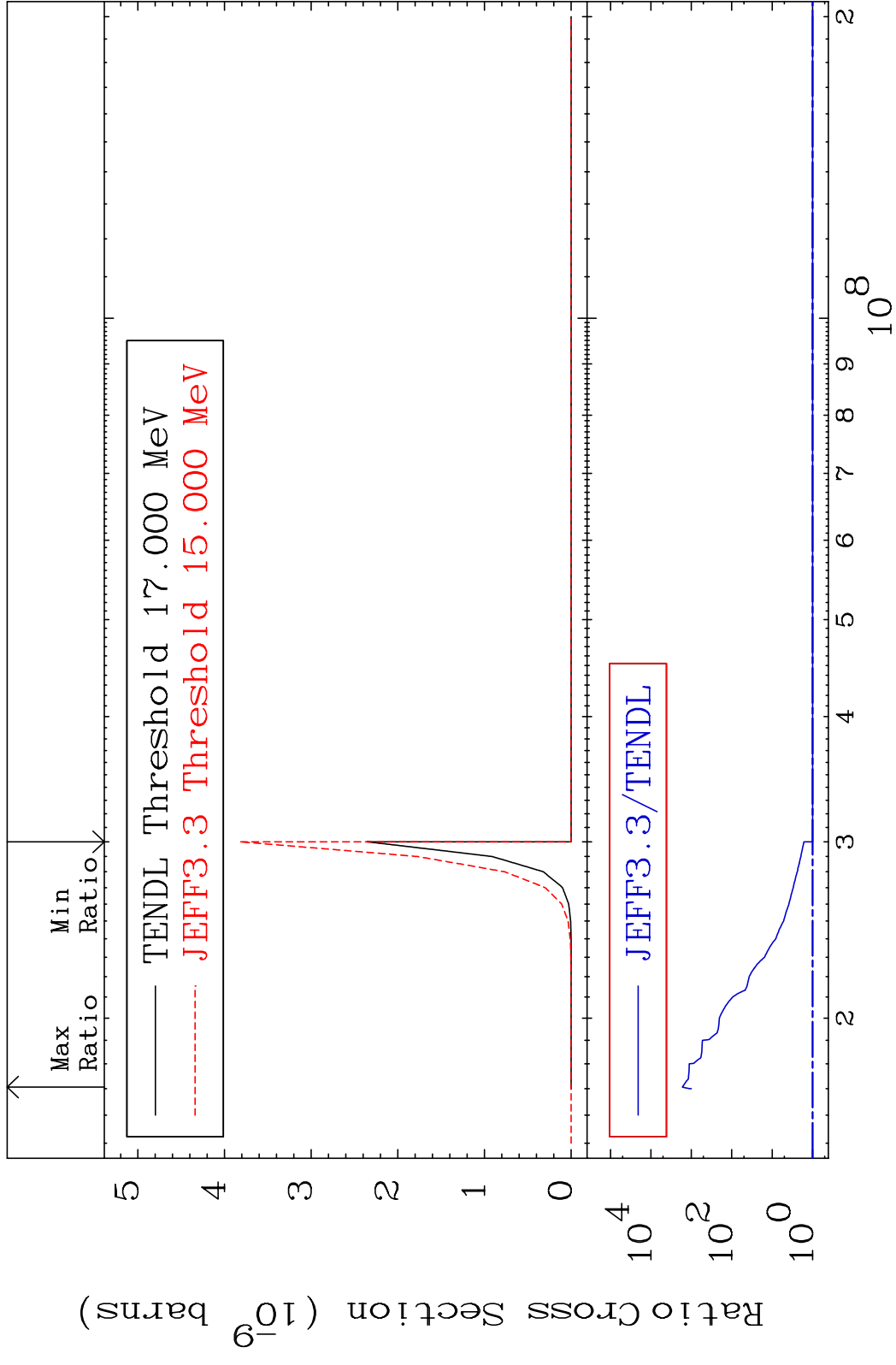


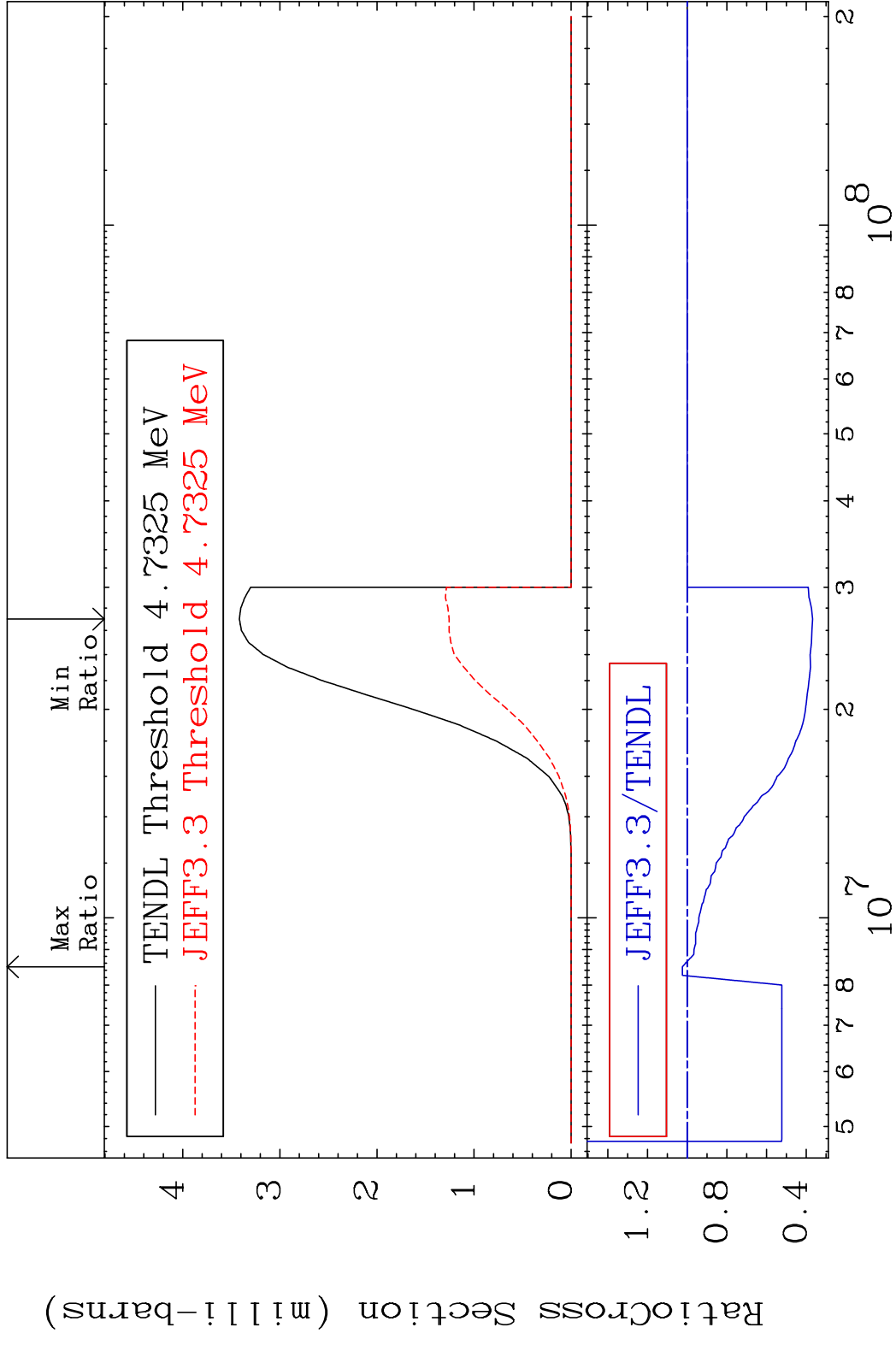












MAT 7531 (n, t):74-W -185m6 75-Re-187
 Radionuclide Production Cross Section 108.1 %

