

Program Complot
(Version 2021-1)

by

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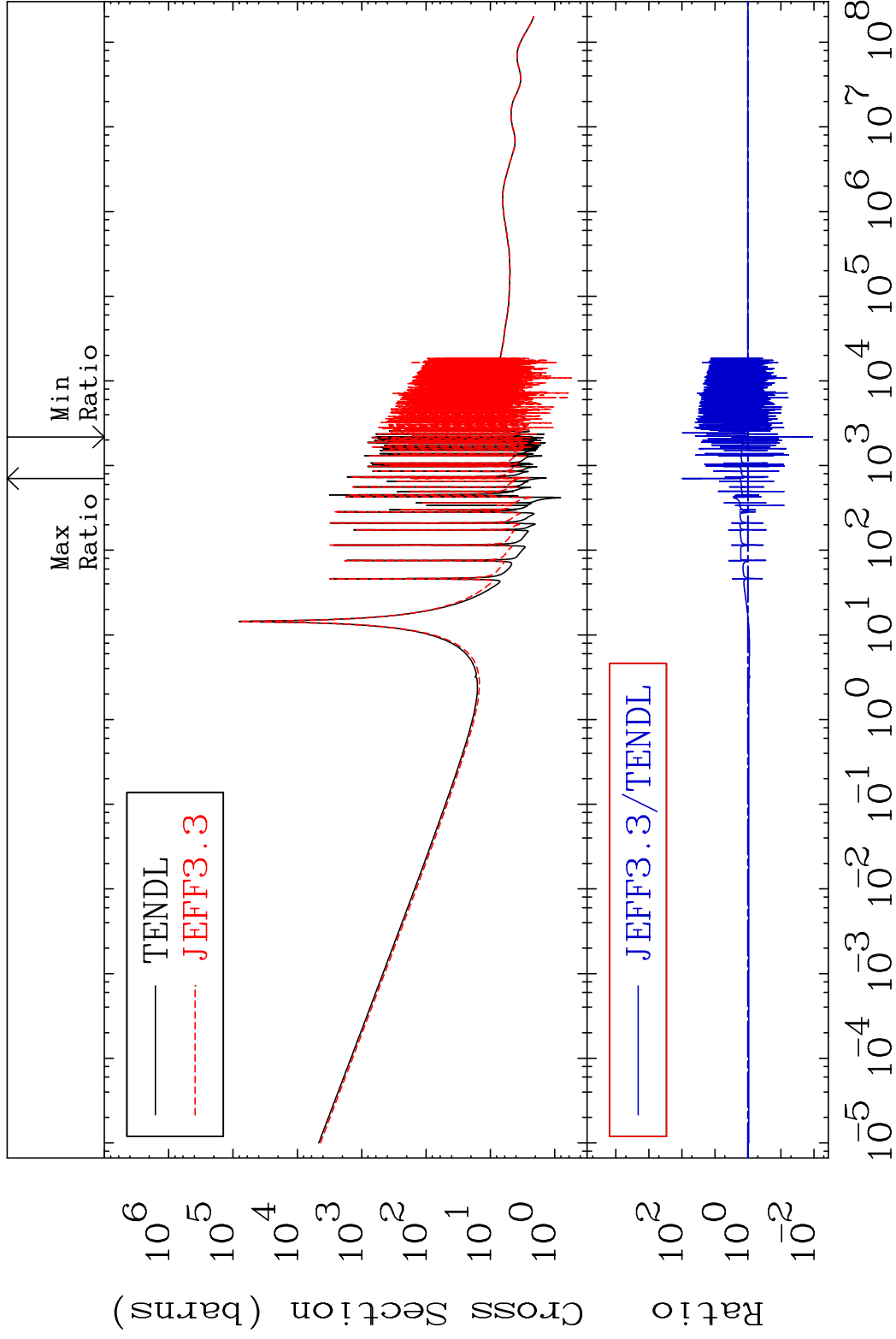
Press Mouse Button to Start

MAT 5446

Total

54-Xe-131

Cross Section -98.90 To 9576. %



1

Incident Energy (eV)

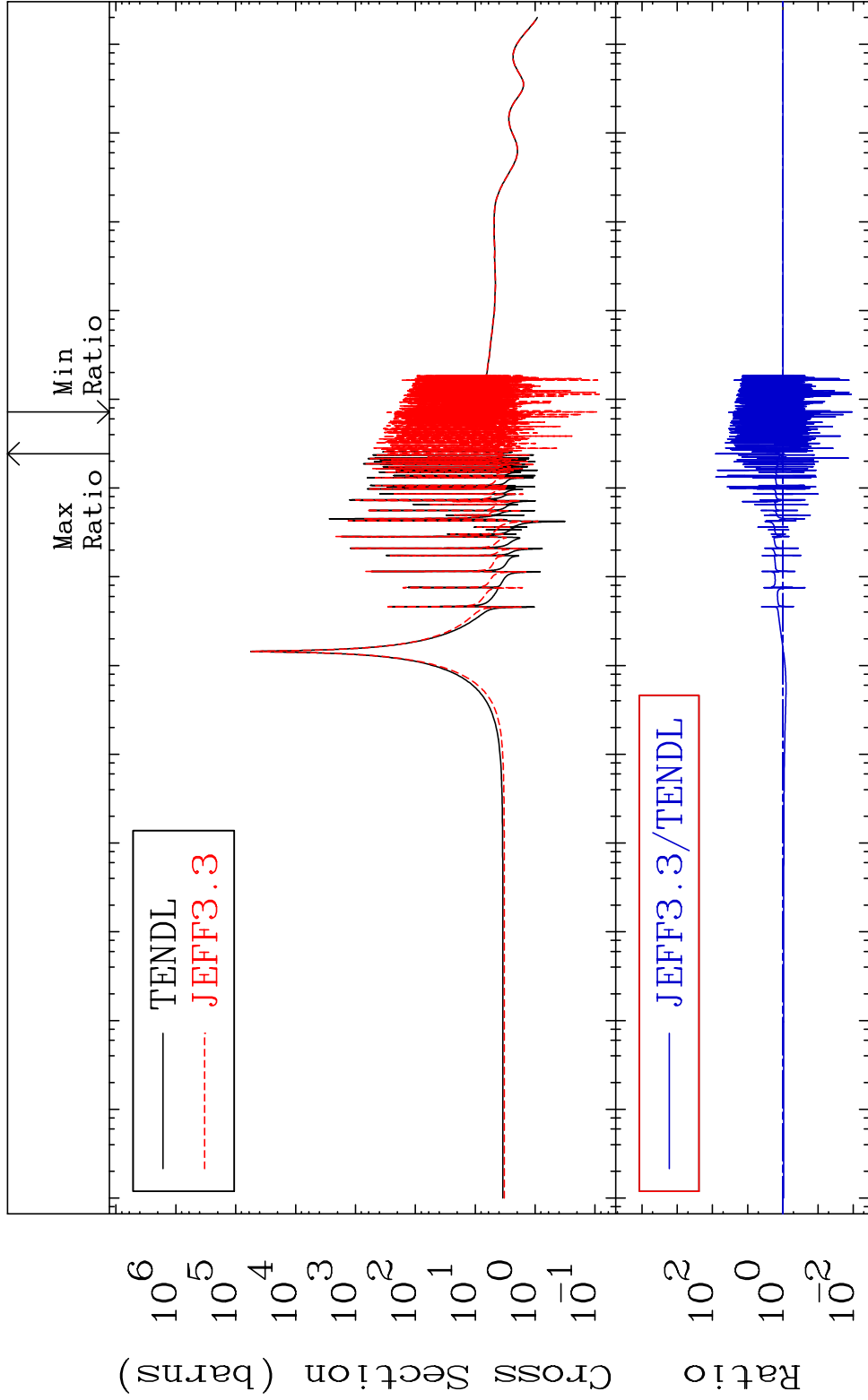
54-Xe-131

MAT 5446

Elastic

54-Xe-131

Cross Section -98.93 To 8010. %



2

Incident Energy (eV)

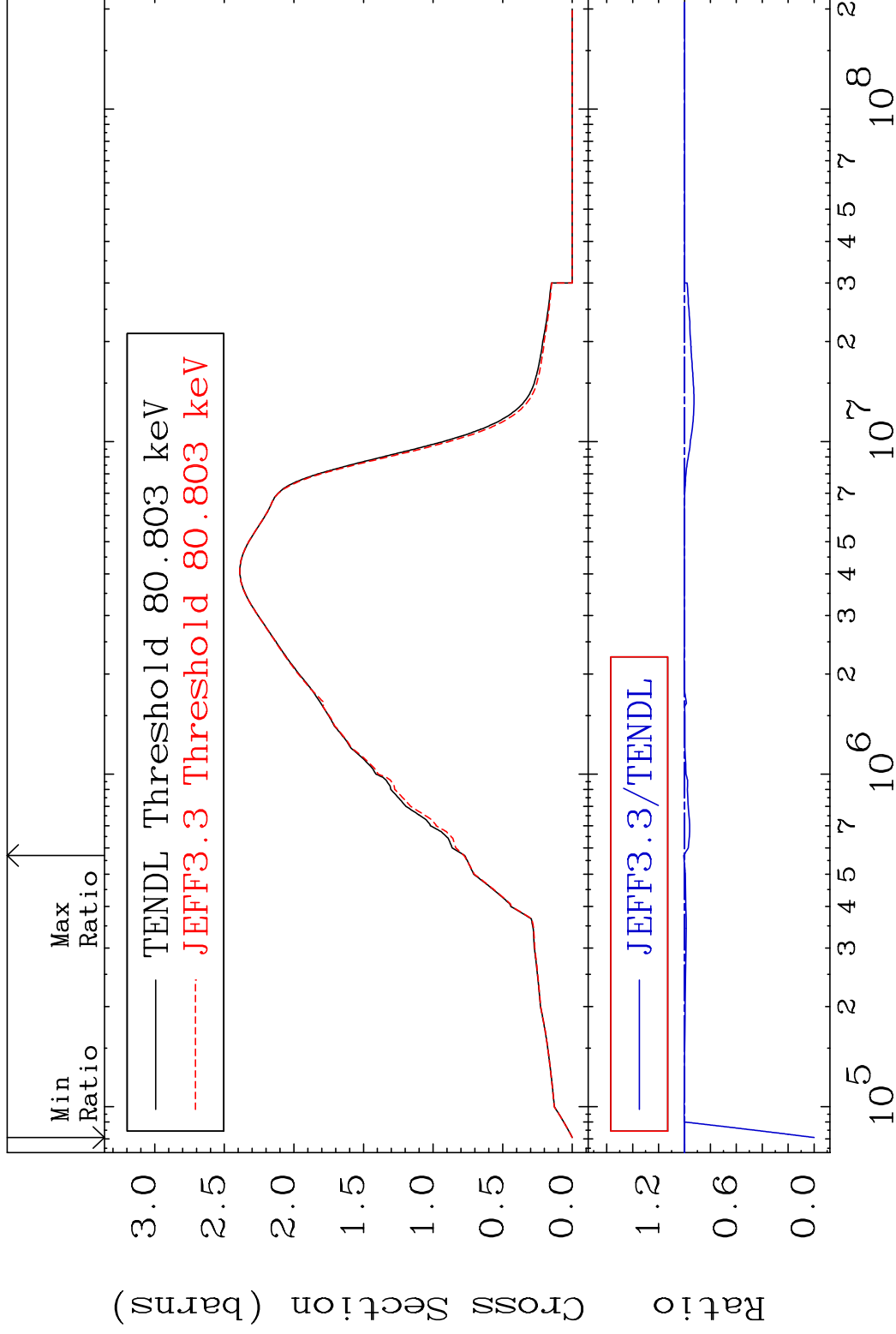
54-Xe-131

MAT 5446

Inelastic

54-Xe-131

Cross Section -100.0 To 0.652 %

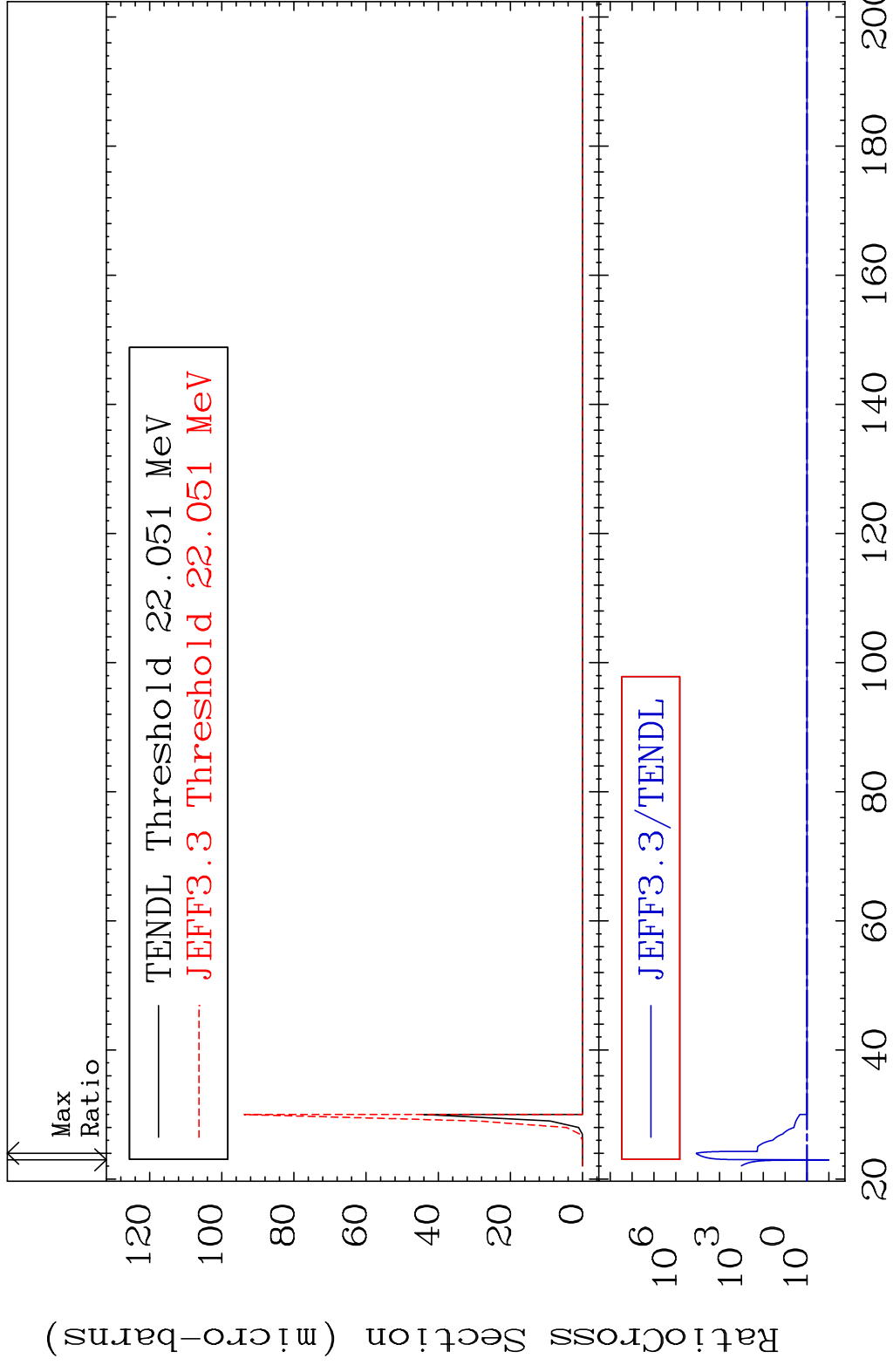


3

Incident Energy (eV)

54-Xe-131

MAT 5446 (n,2n) d 54-Xe-131
 Cross Section -90.00 To 9999. %

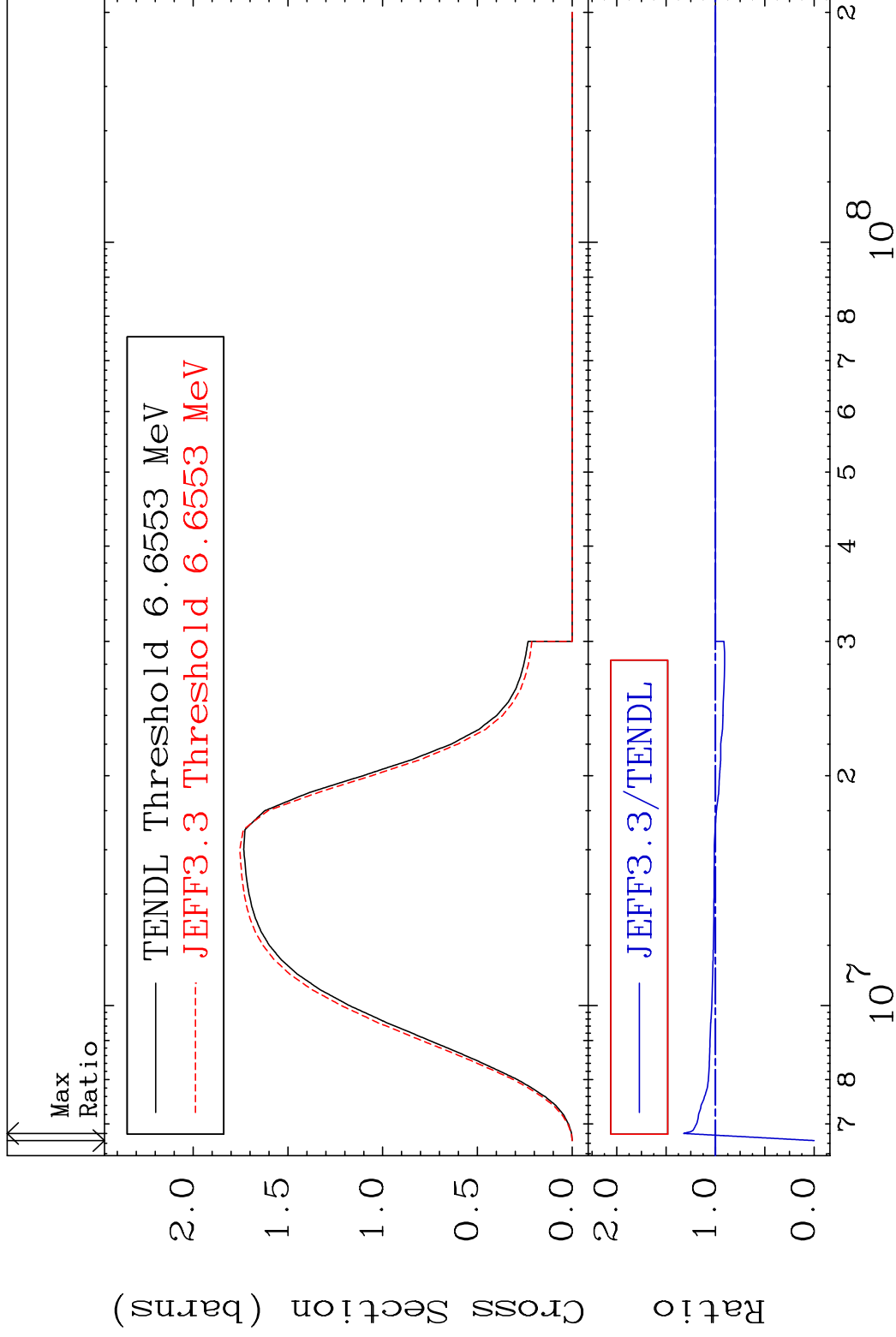


MAT 5446

(n,2n)

54-Xe-131

Cross Section -100.0 To 32.24 %



5

Incident Energy (eV)

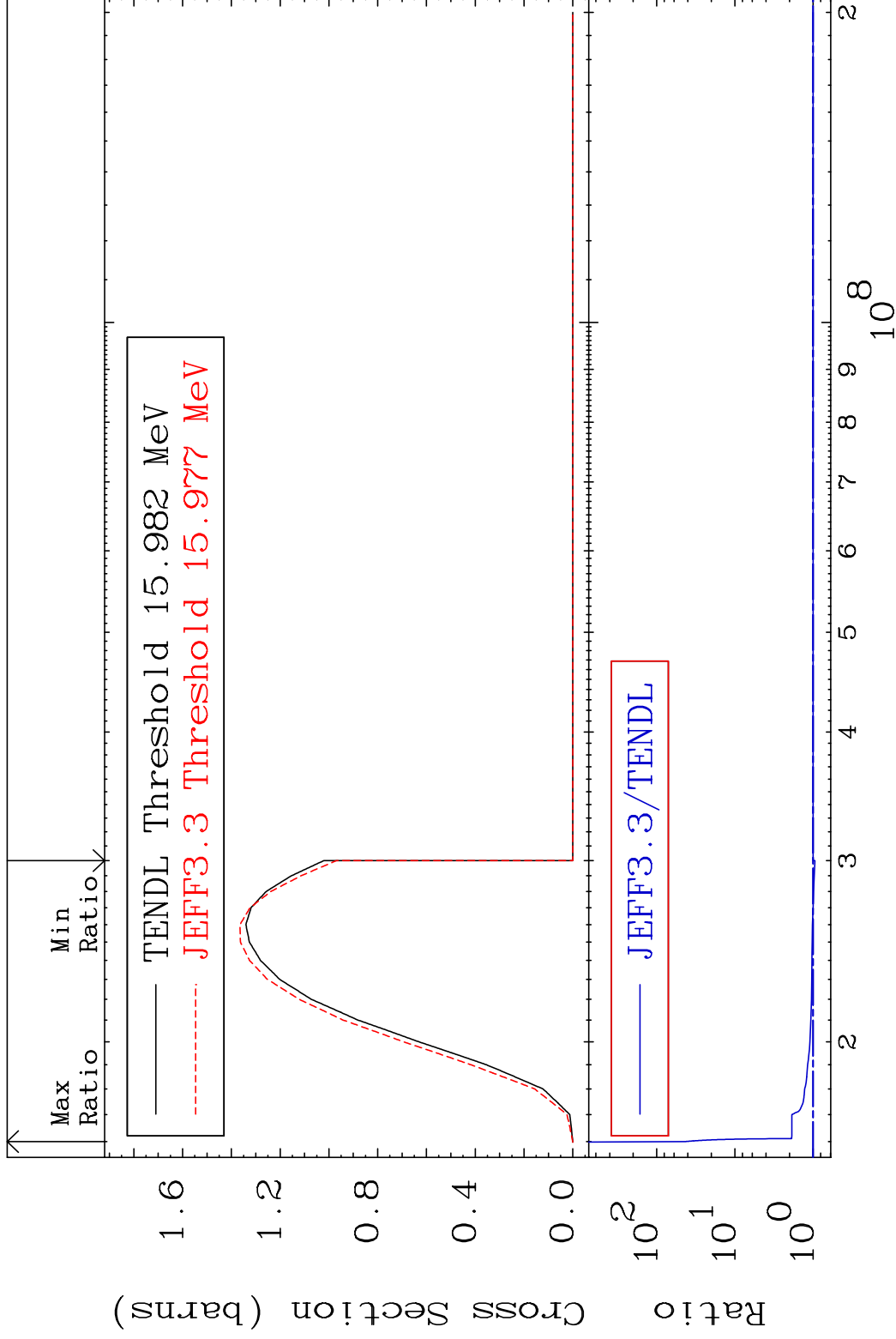
54-Xe-131

MAT 5446

(n,3n)

54-Xe-131

Cross Section -5.066 To 4342. %



6

Incident Energy (eV)

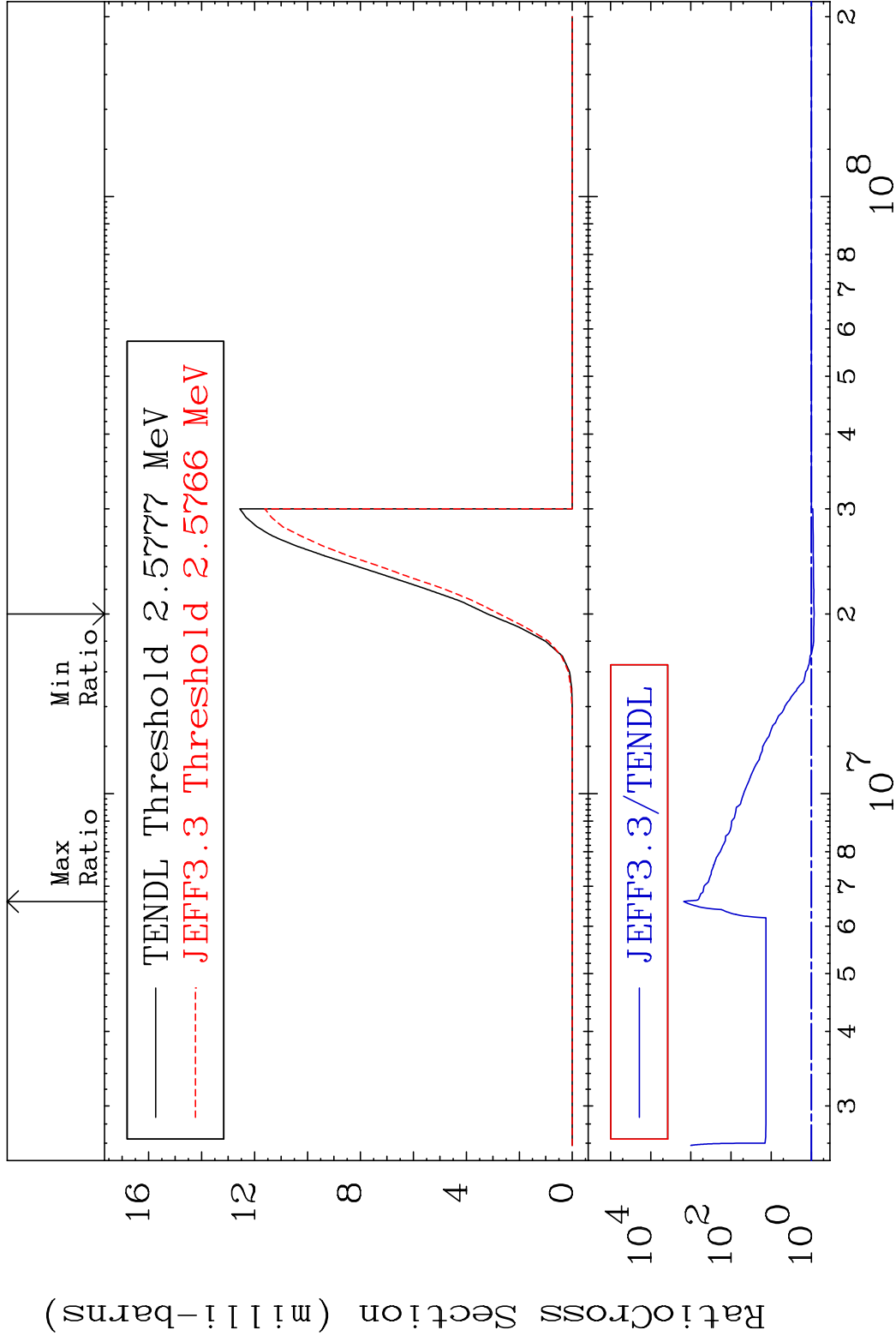
54-Xe-131

MAT 5446

(n, n') α

54-Xe-131

Cross Section -13.87 To 9999. %



7

Incident Energy (eV)

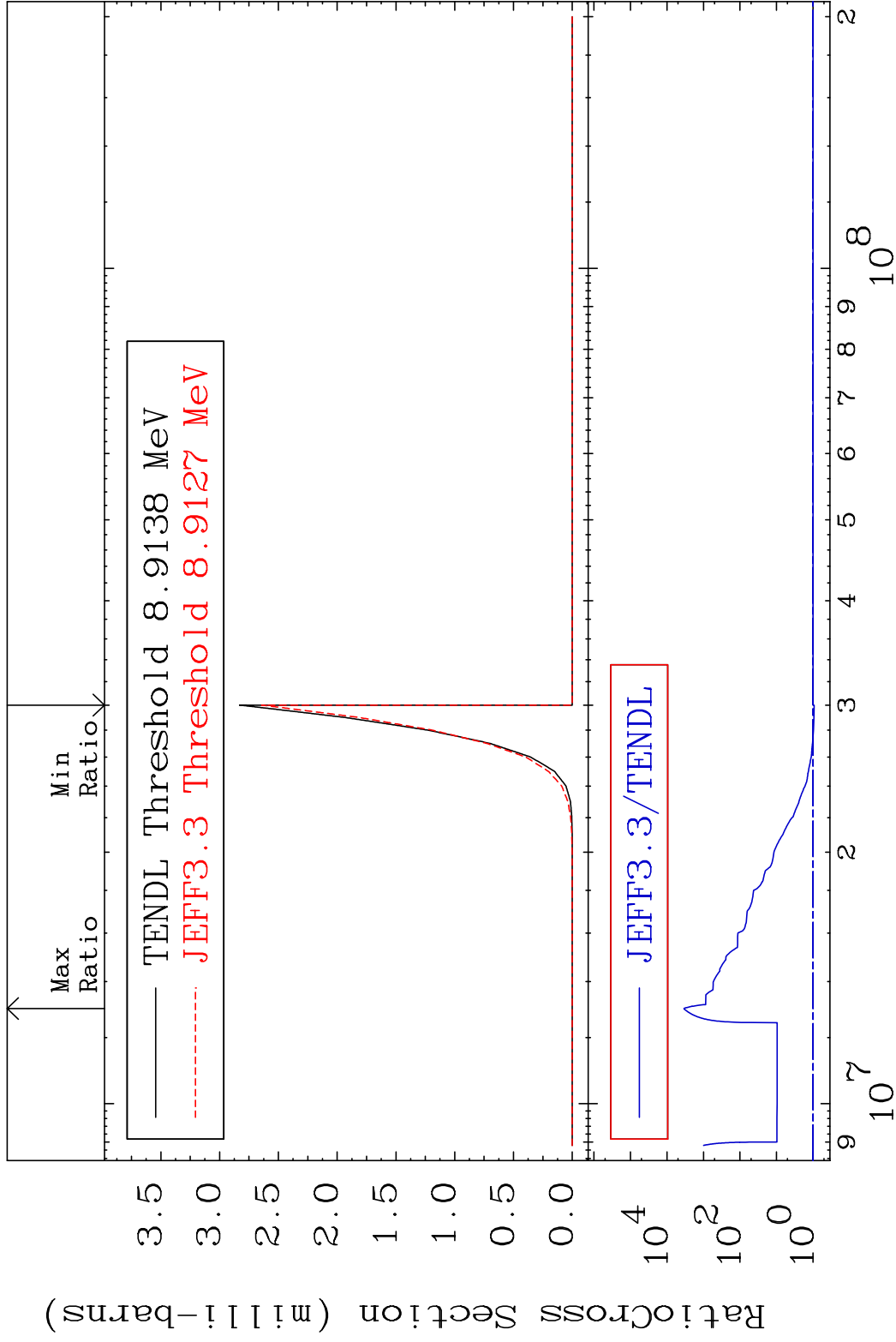
54-Xe-131

MAT 5446

(n,2n) α

54-Xe-131

Cross Section -6.612 To 9999. %



8

Incident Energy (eV)

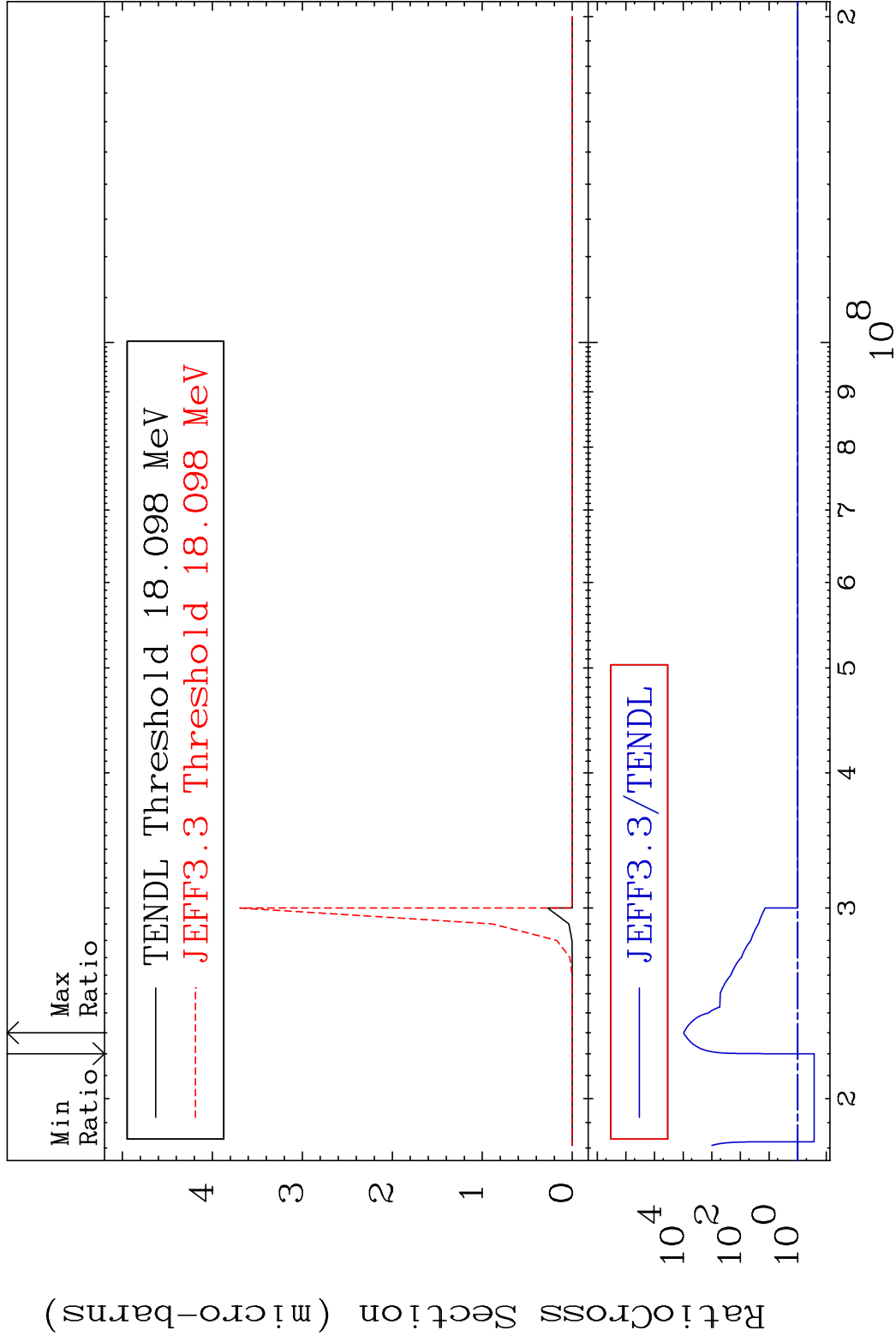
54-Xe-131

MAT 5446

(n,3n) α

54-Xe-131

Cross Section -73.37 To 9999. %

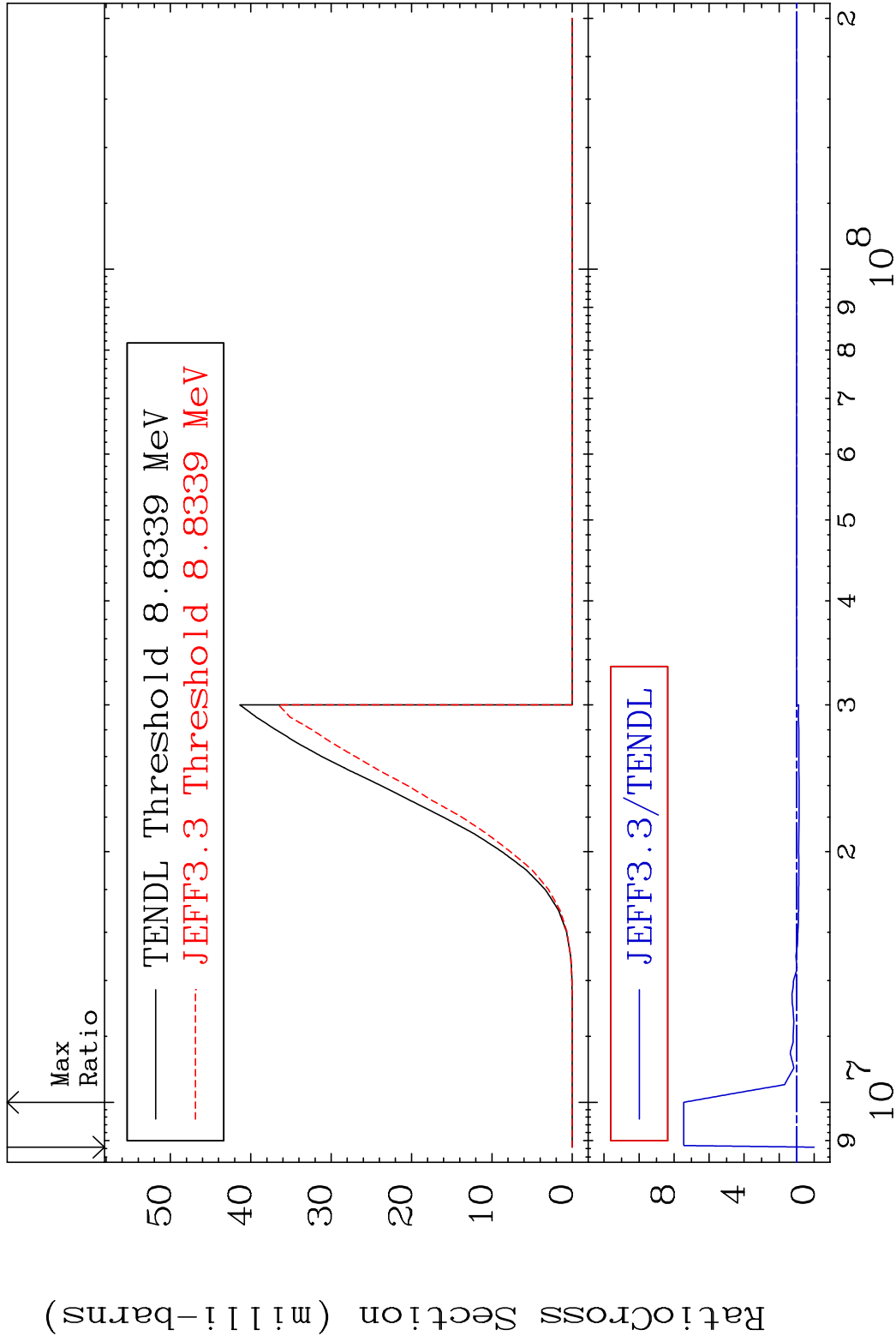


MAT 5446

(n, n') p

54-Xe-131

Cross Section -100.0 To 645.2 %



10

Incident Energy (eV)

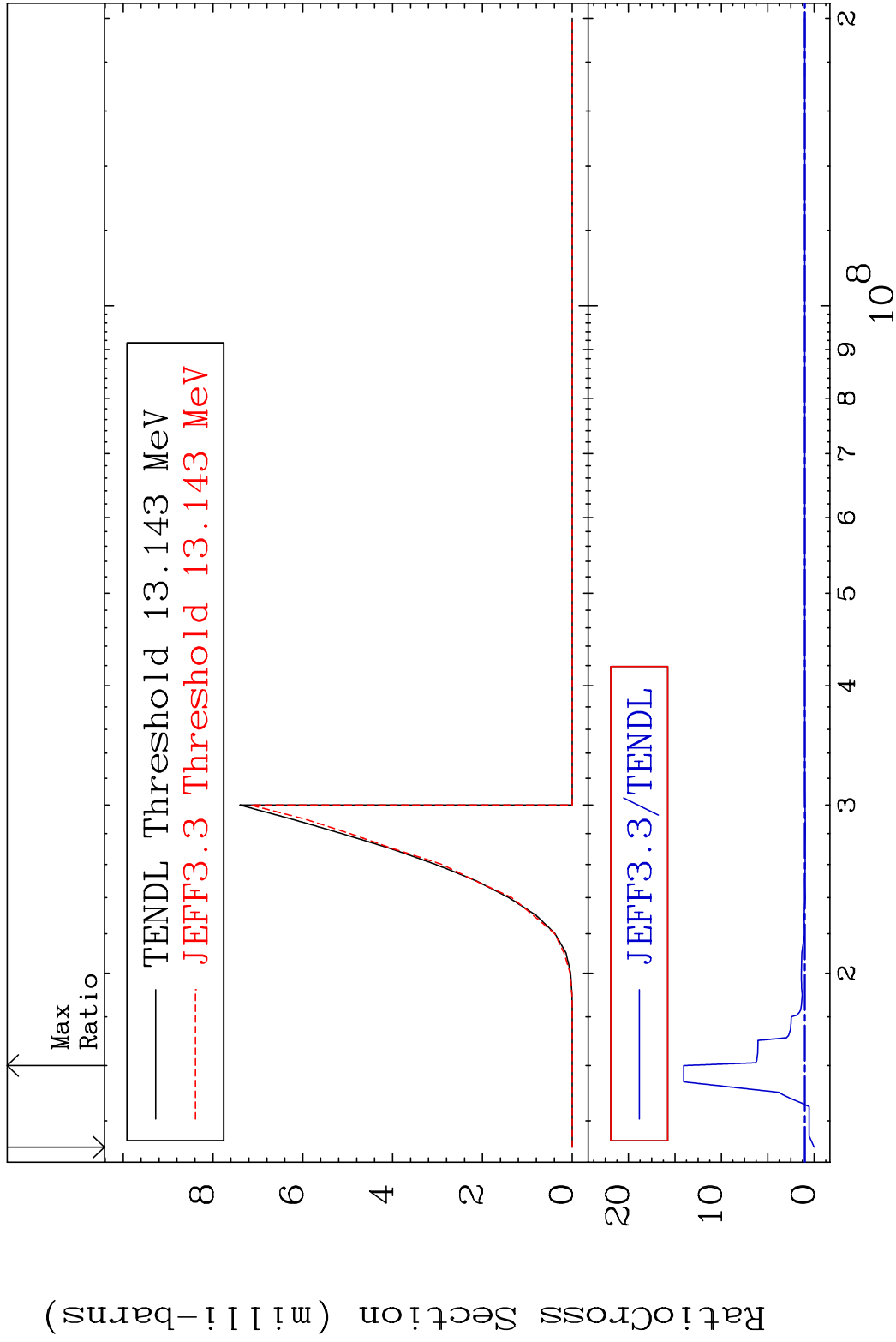
54-Xe-131

MAT 5446

(n, n') d

54-Xe-131

Cross Section -100.0 To 1306. %

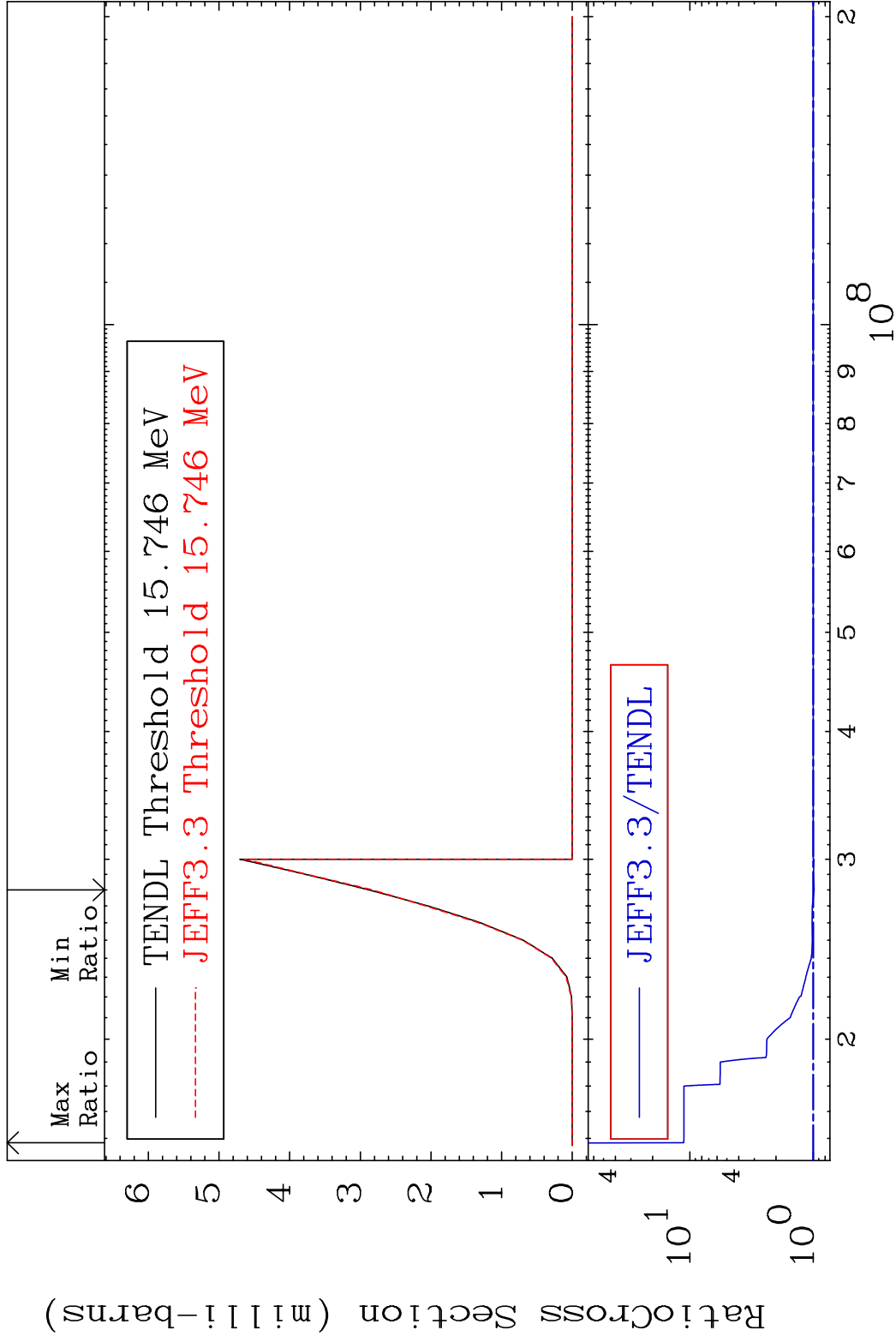


MAT 5446

(n, n') t

54-Xe-131

Cross Section -1.711 To 1020. %

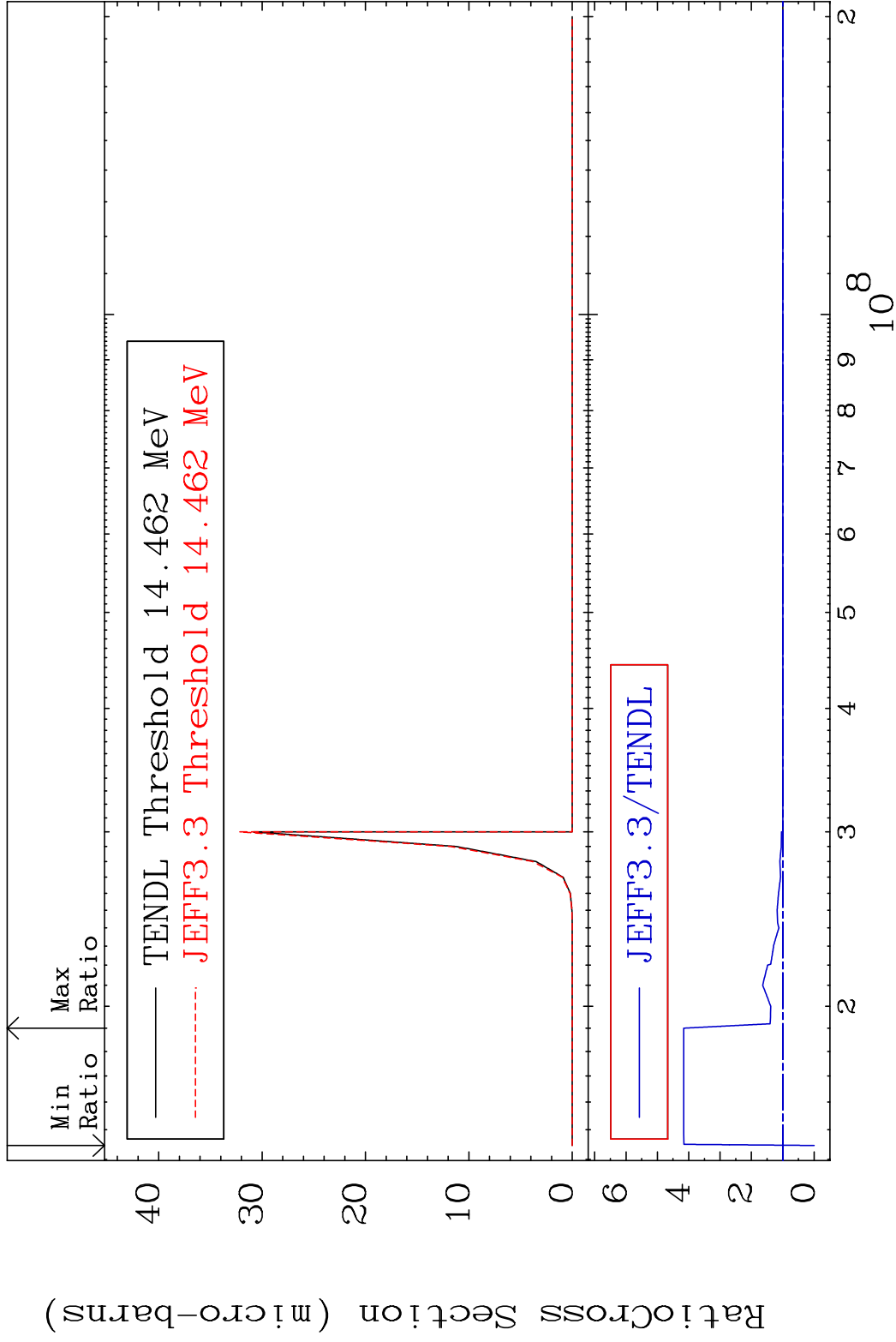


MAT 5446

(n,n') He-3

54-Xe-131

Cross Section -100.0 To 316.1 %



13

Incident Energy (eV)

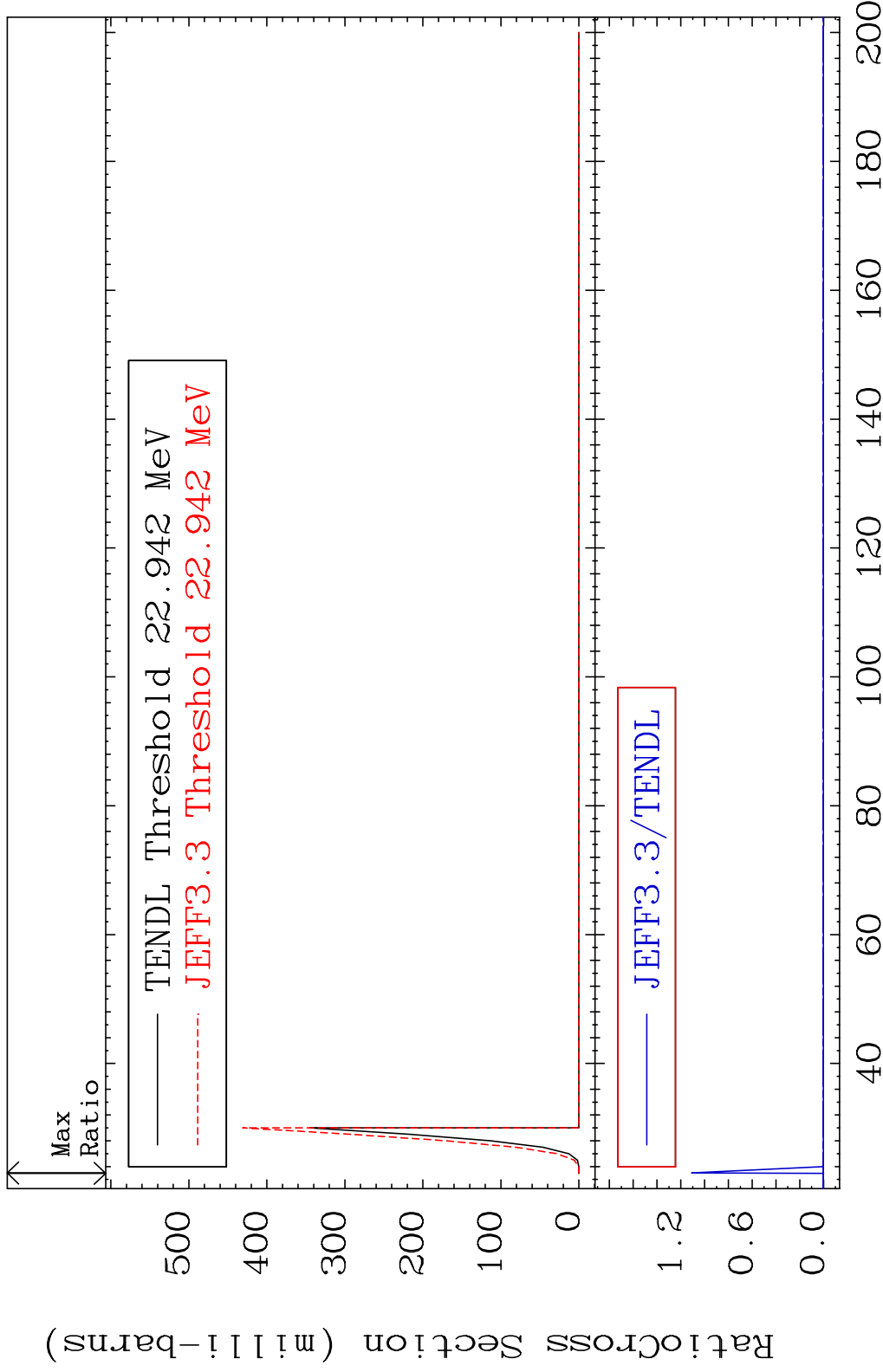
54-Xe-131

MAT 5446

(n, 4n)

54-Xe-131

Cross Section -100.0 To 9999. %

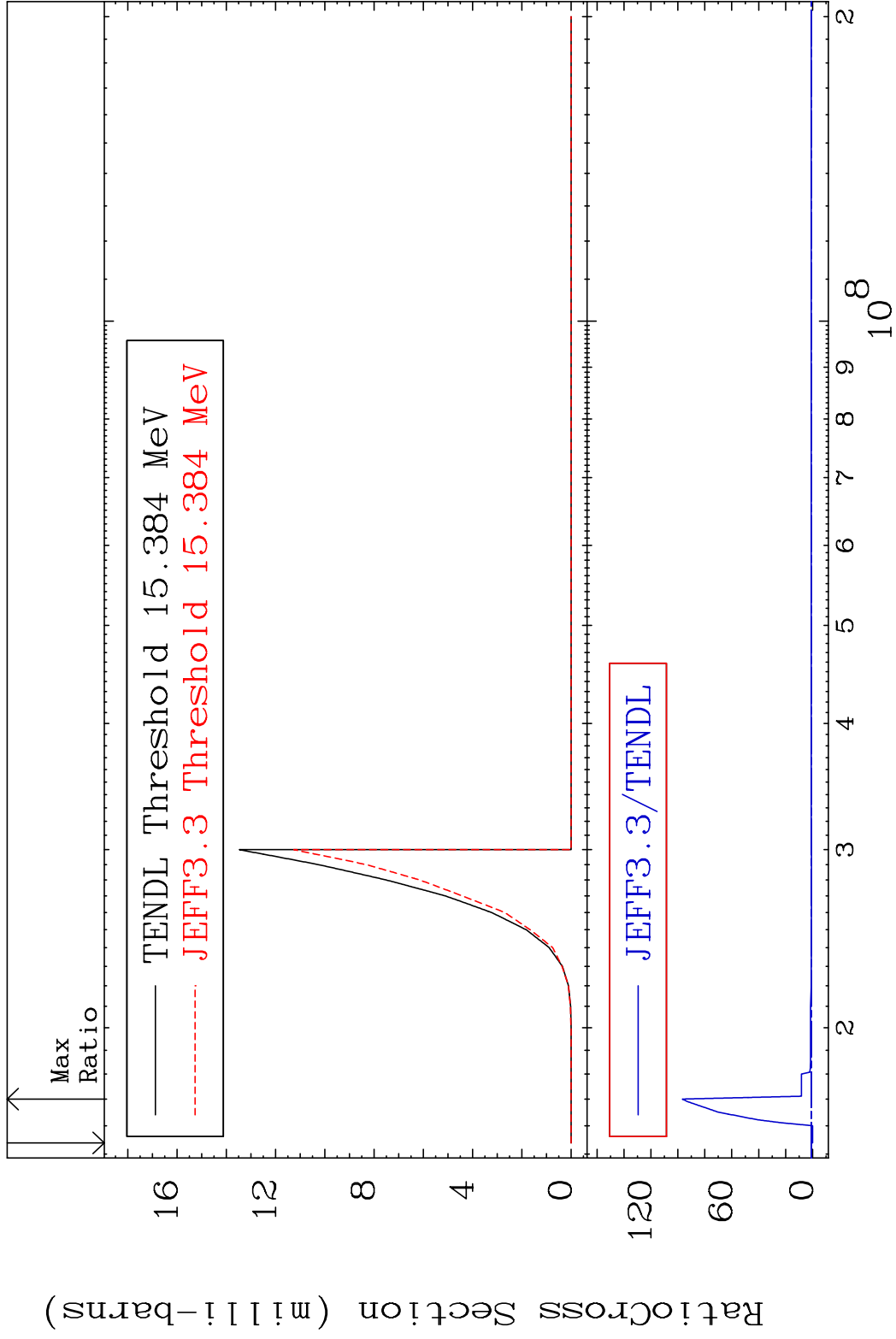


MAT 5446

(n,2n) p

54-Xe-131

Cross Section -100.0 To 9568. %

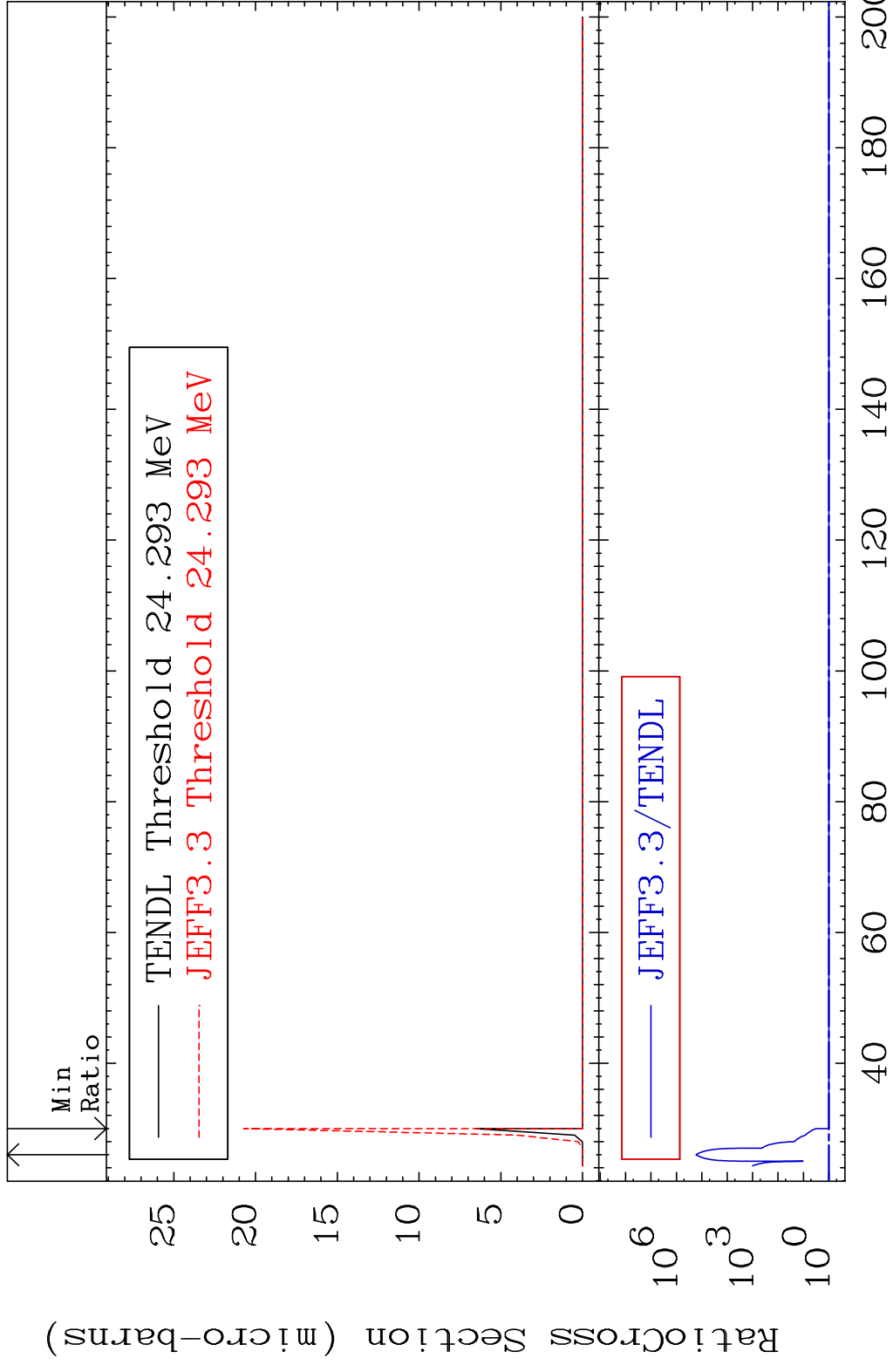


15

Incident Energy (eV)

54-Xe-131

MAT 5446 (n,3n) p 54-Xe-131
 Cross Section 0.000 To 9999. %

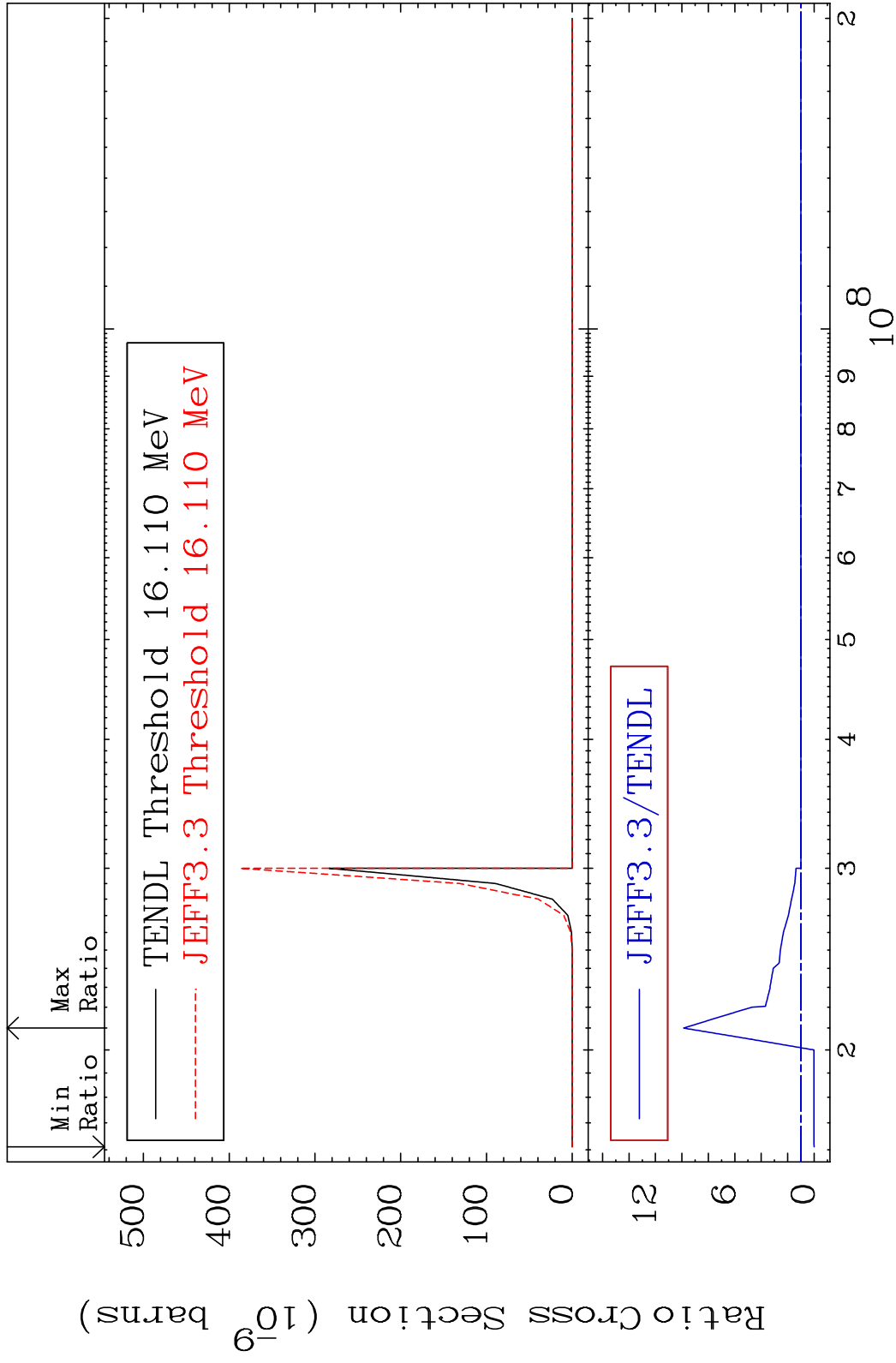


MAT 5446

(n,2n) p

54-Xe-131

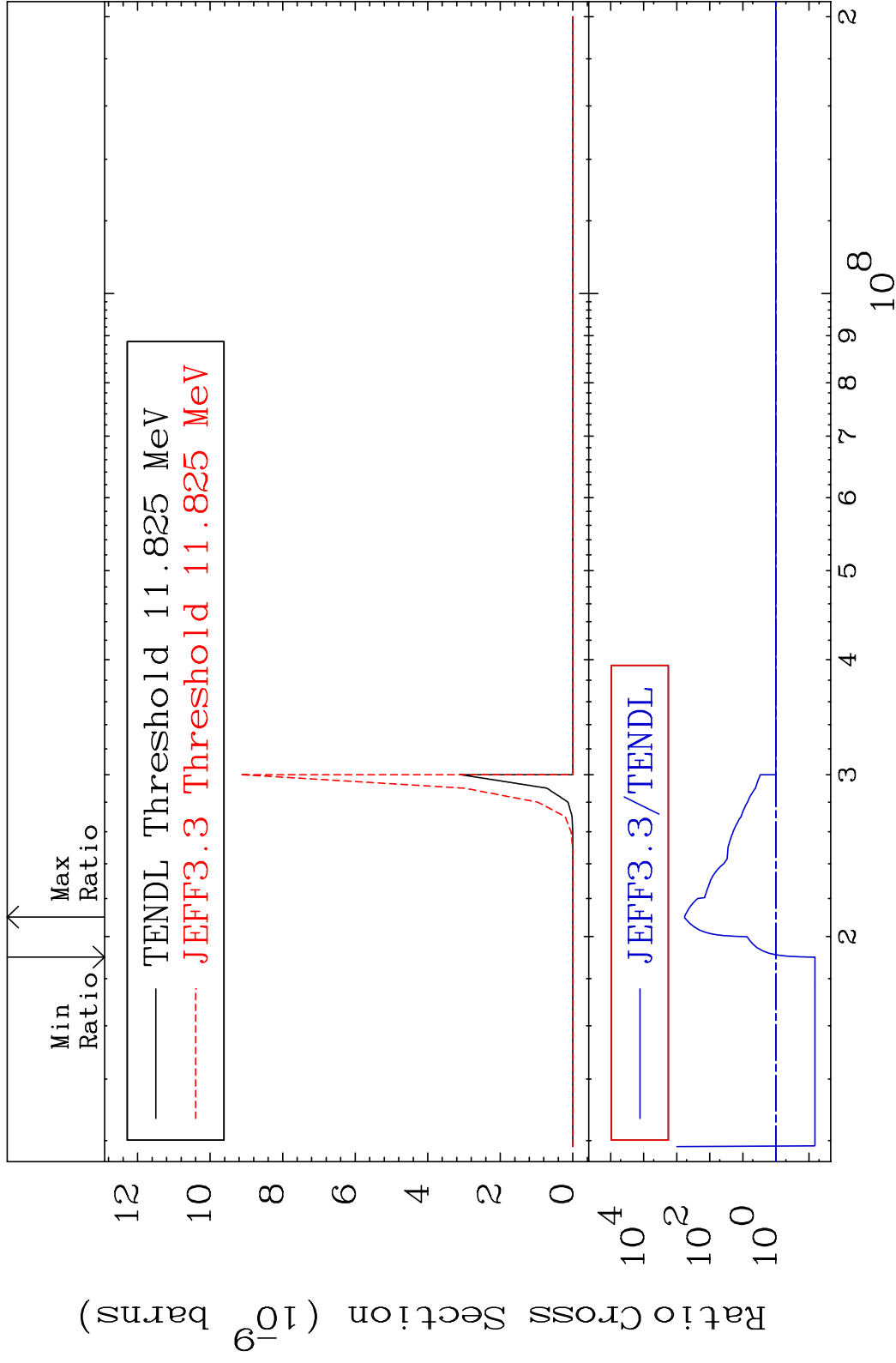
Cross Section -100.0 To 886.8 %



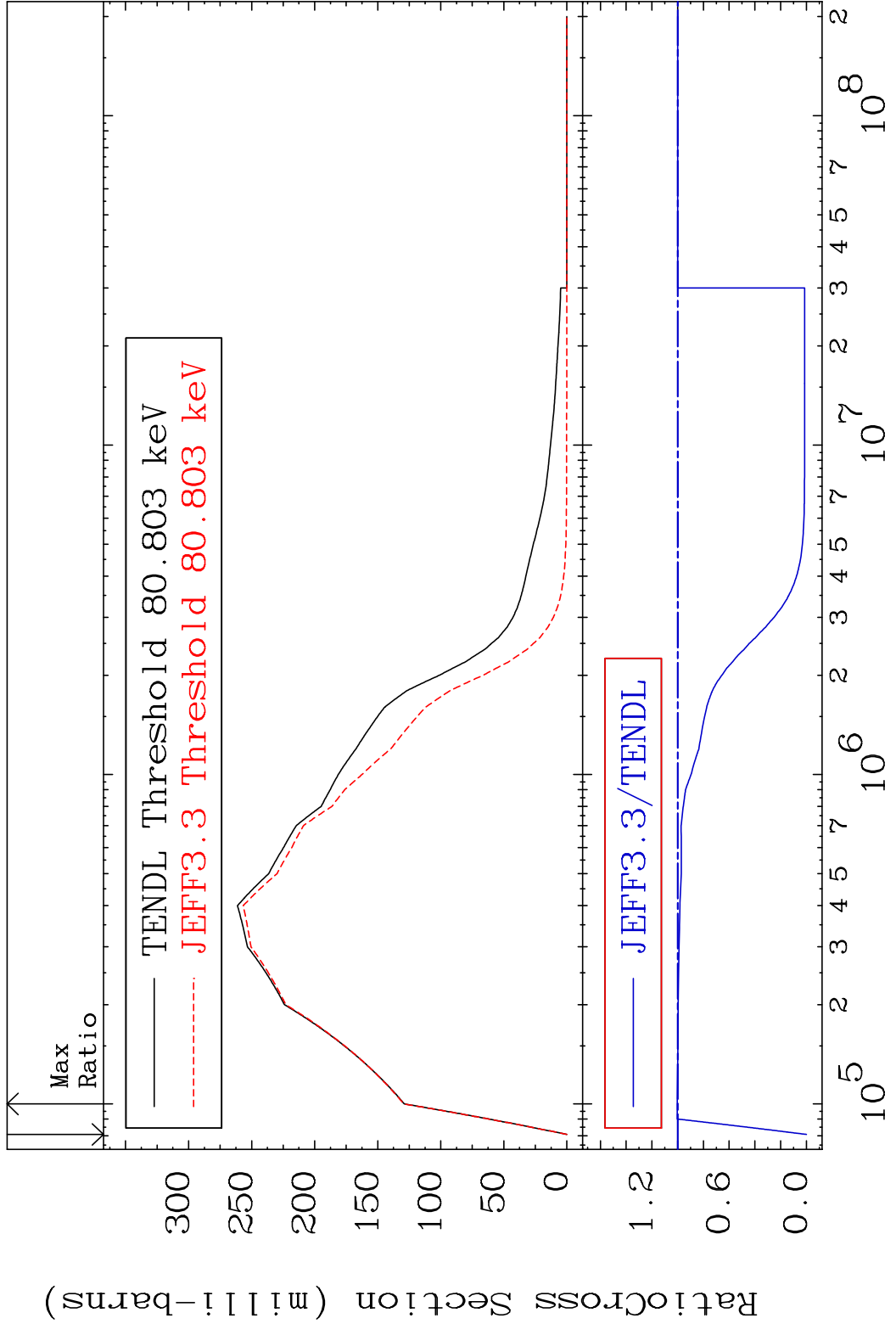
MAT 5446

(n,n') p α 54-Xe-131

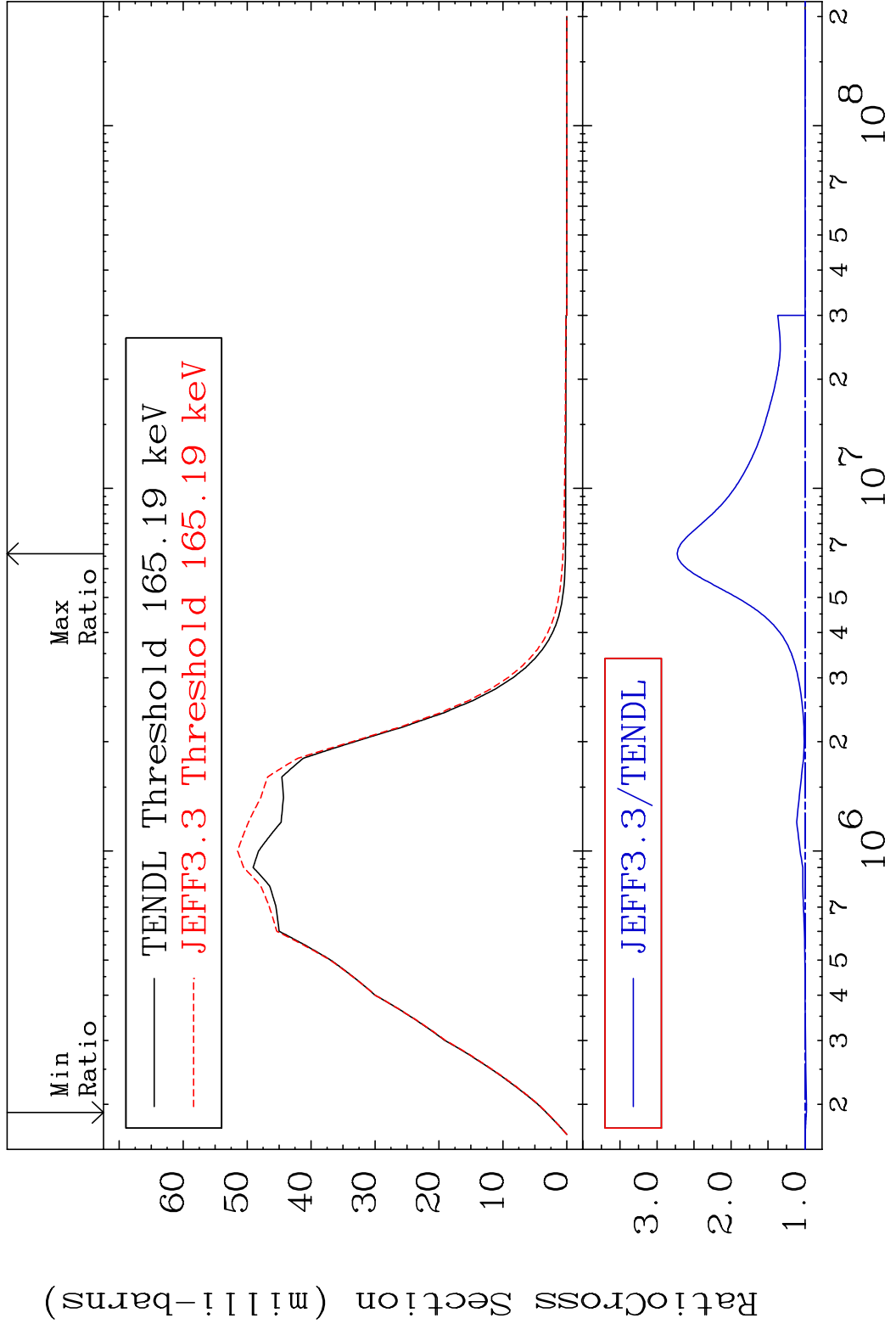
Cross Section -93.36 To 9999. %



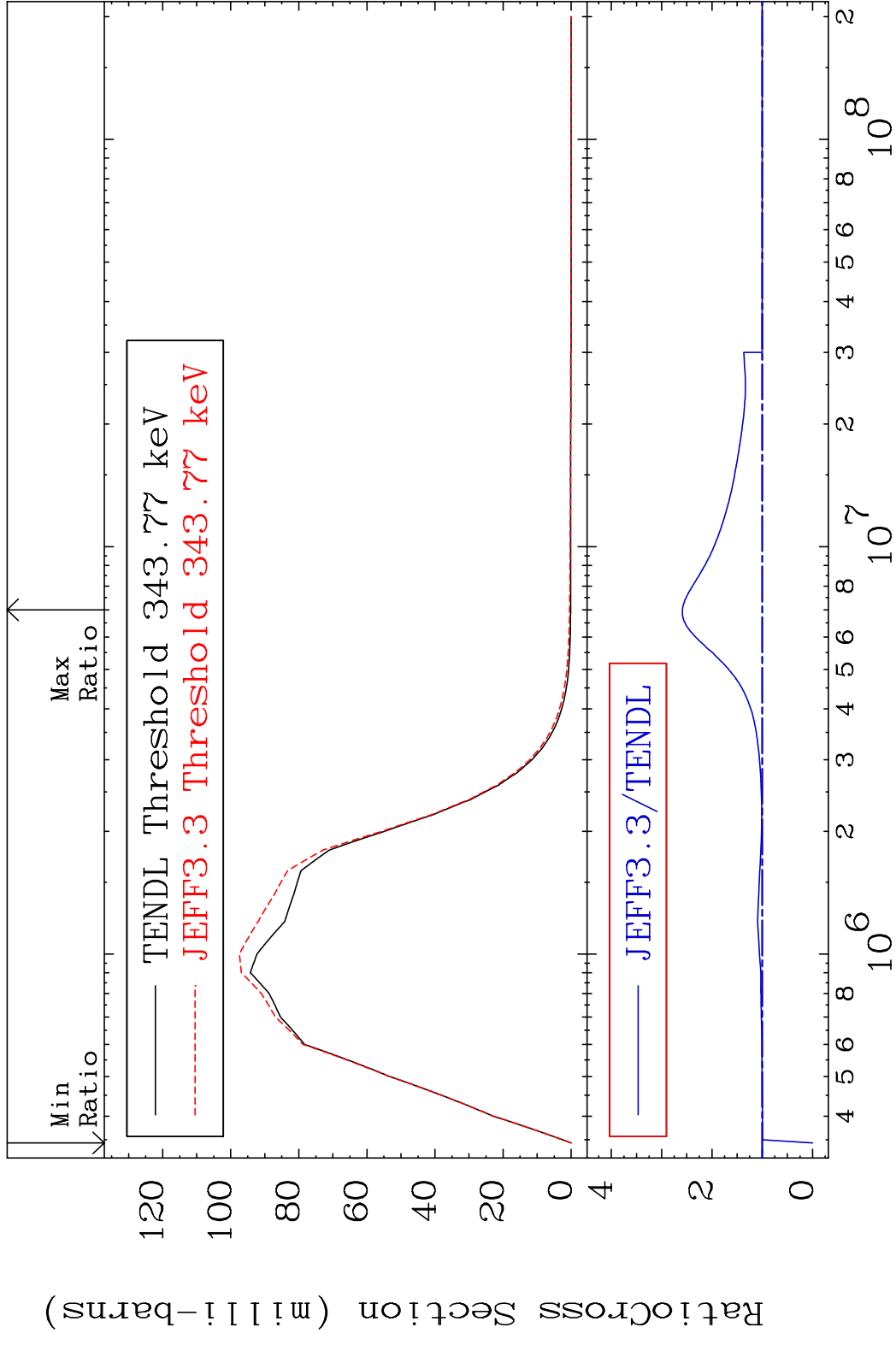
MAT 5446 MT= 51 (n,n') Level 54-Xe-131
 Cross Section -100.0 To 0.357 %



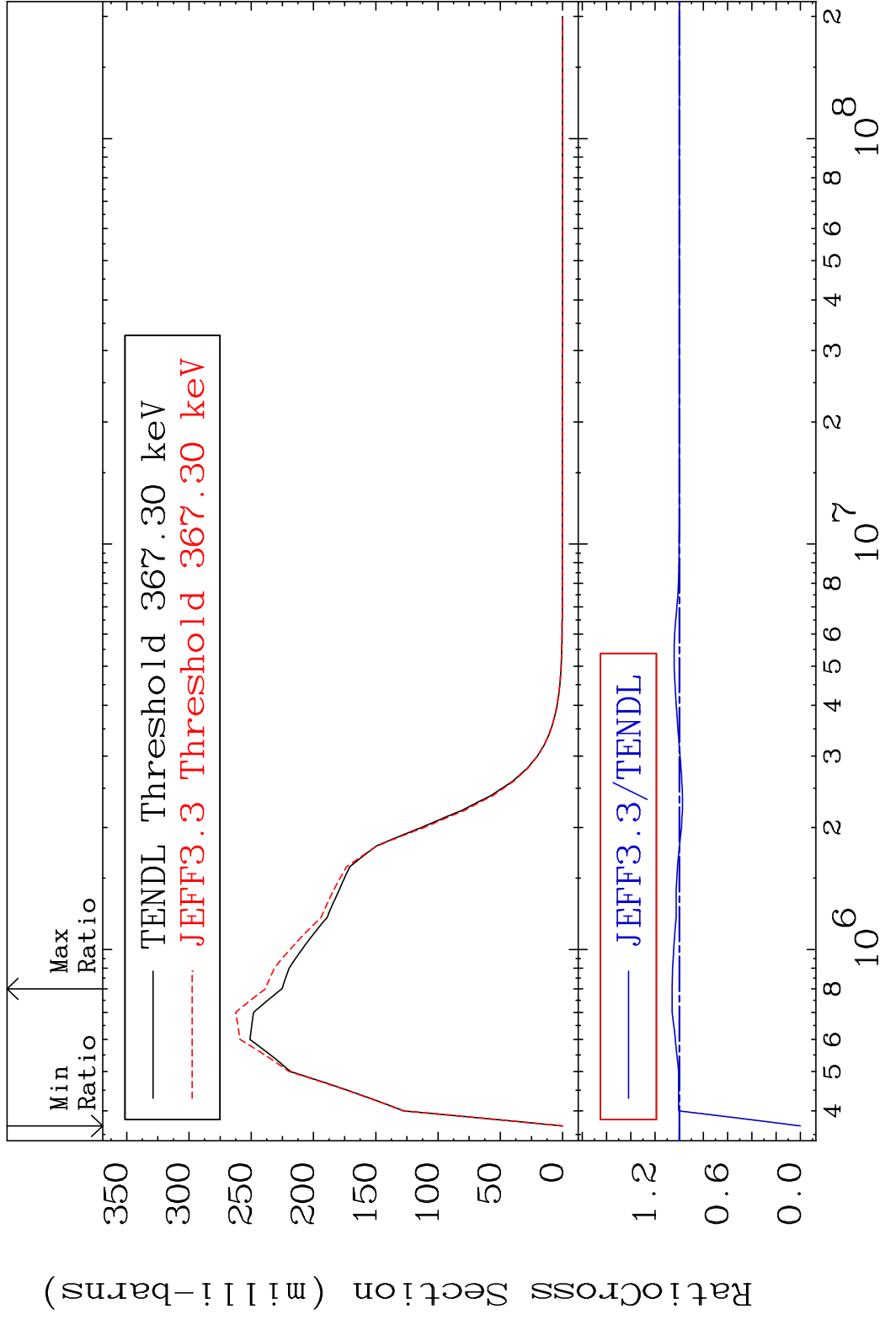
MAT 5446 MT= 52 (n, n') Level 54-Xe-131
 Cross Section -1.756 To 172.7 %



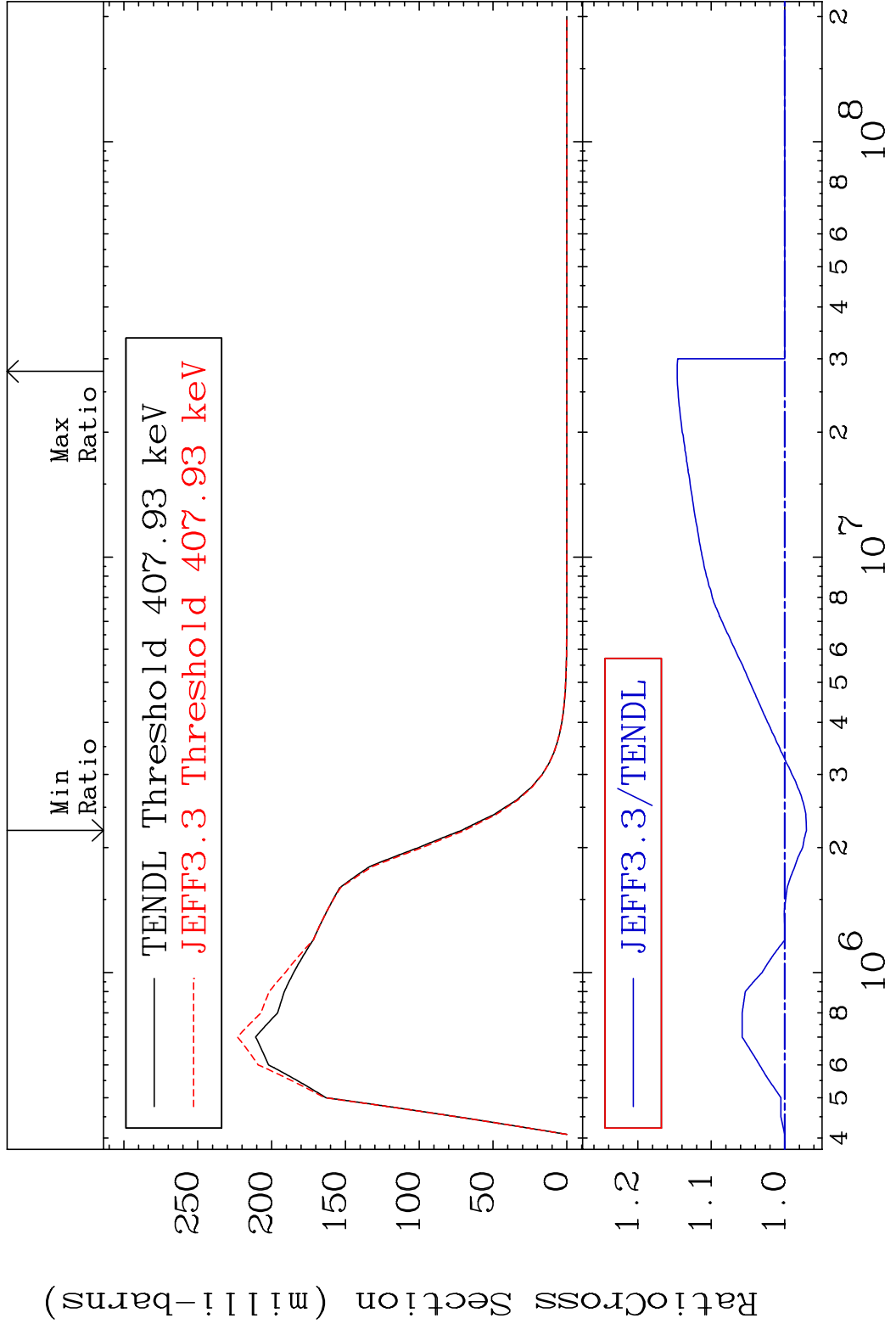
MAT 5446 MT= 53 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 158.8 %



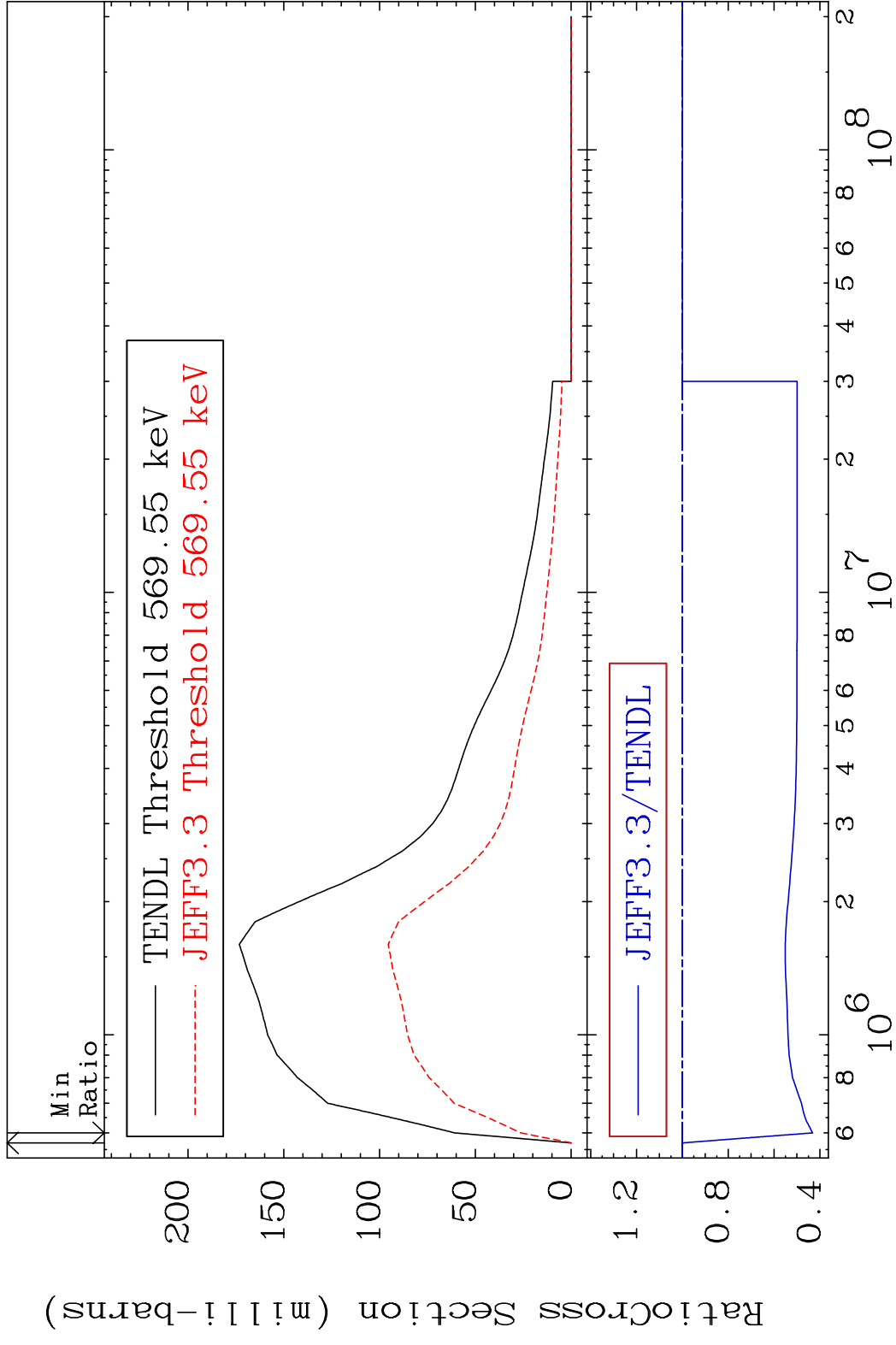
MAT 5446 MT= 54 (n,n') Level 54-Xe-131
 Cross Section -100.0 To 5.898 %



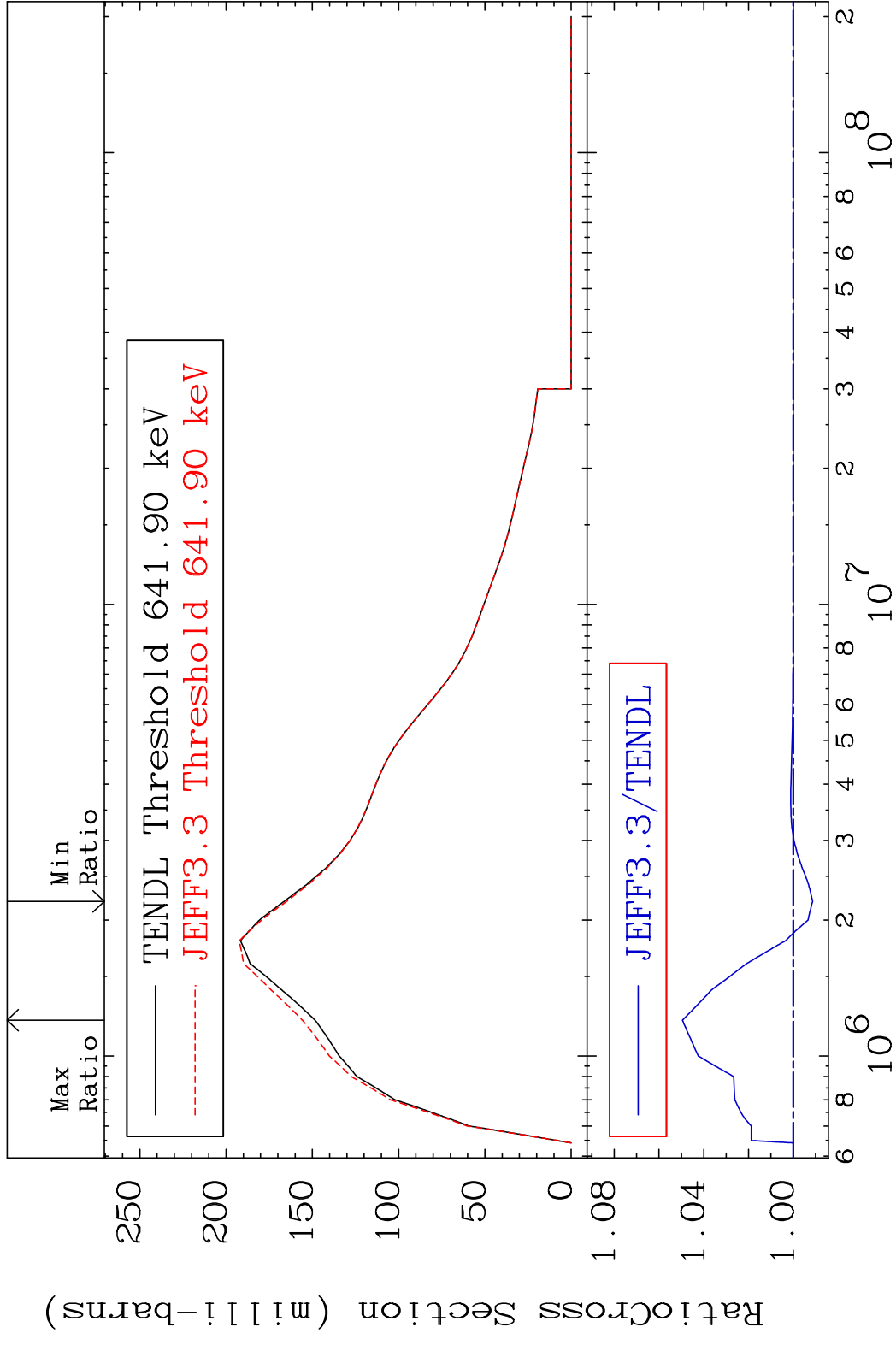
MAT 5446 MT= 55 (n, n') Level 54-Xe-131
 Cross Section -2.961 To 14.65 %



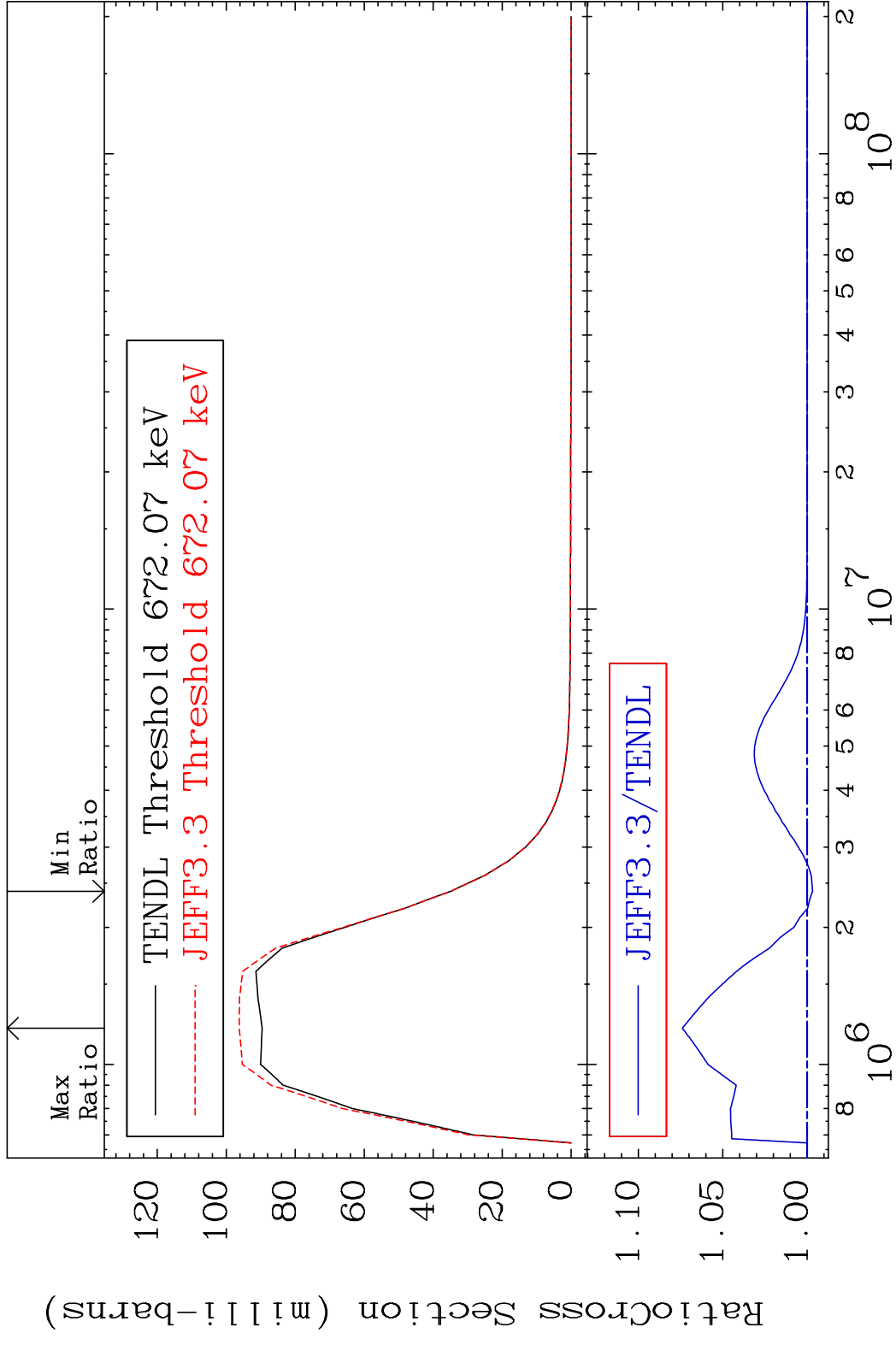
MAT 5446 MT= 56 (n,n') Level 54-Xe-131
 Cross Section -56.79 To 0.000 %



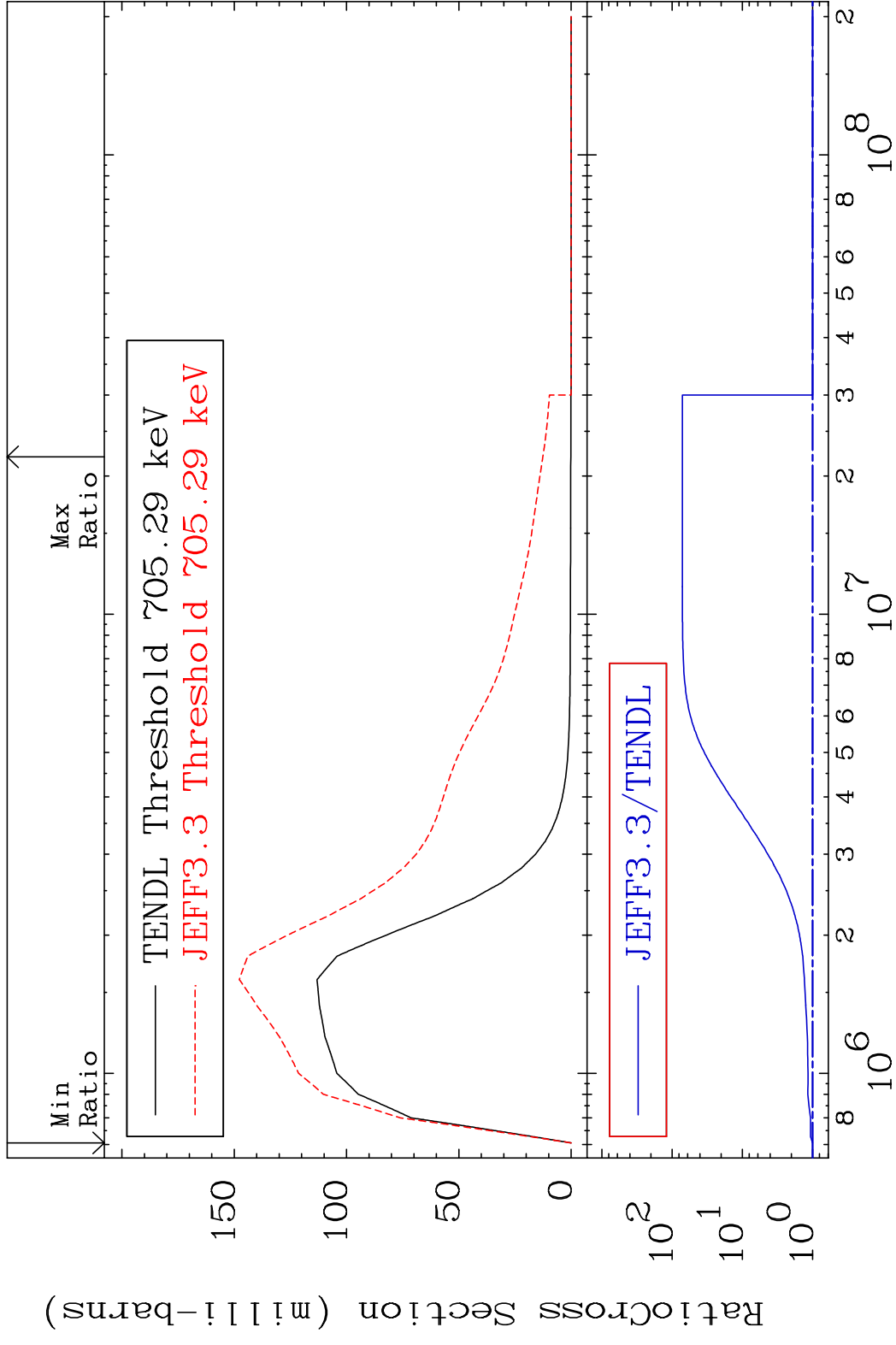
MAT 5446 MT= 57 (n,n') Level 54-Xe-131
 Cross Section -0.862 To 4.957 %



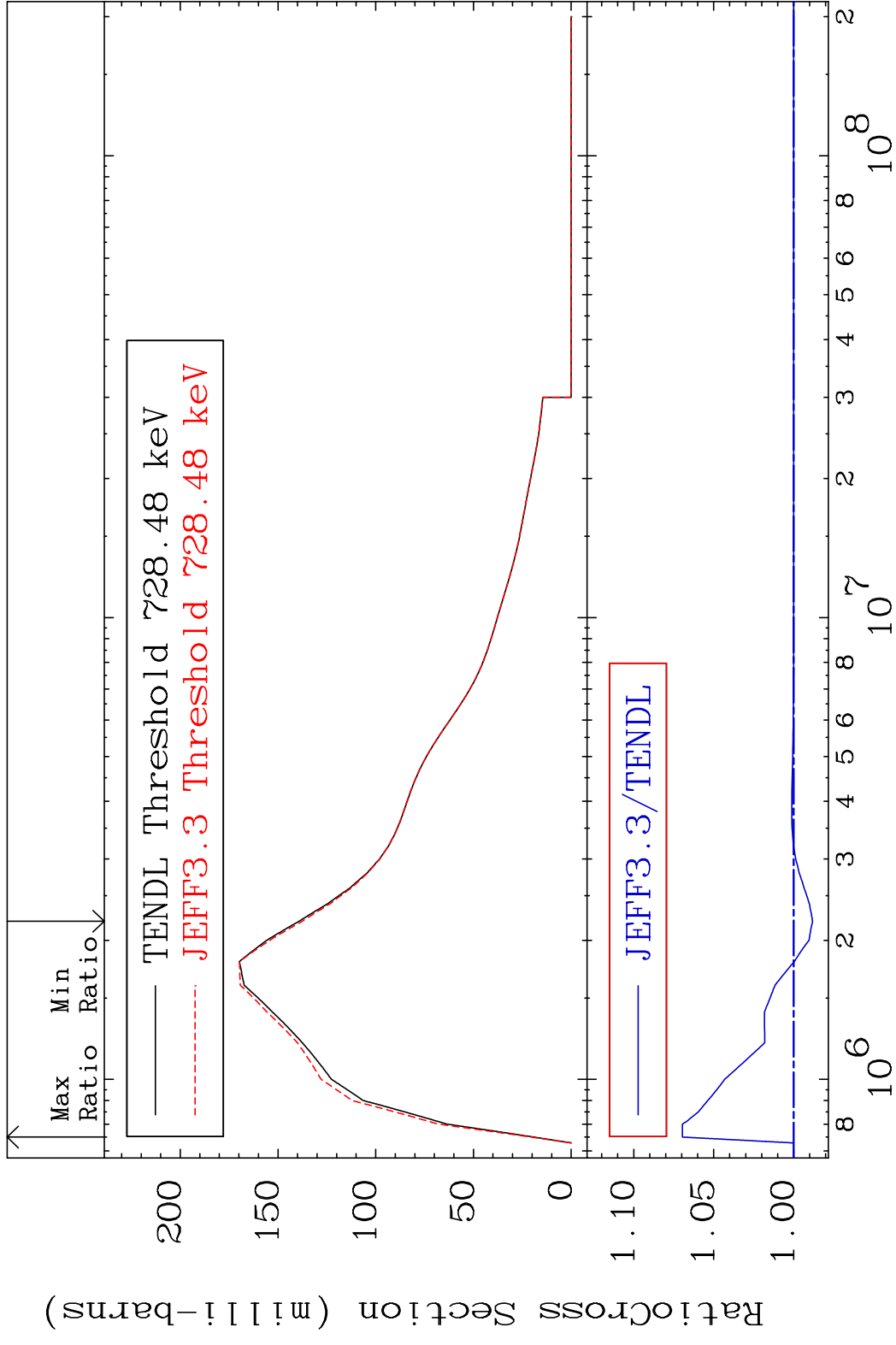
MAT 5446 MT= 58 (n,n') Level 54-Xe-131
 Cross Section -0.324 To 7.394 %



MAT 5446 MT= 59 (n, n') Level 54-Xe-131
 Cross Section 0.000 To 7047. %

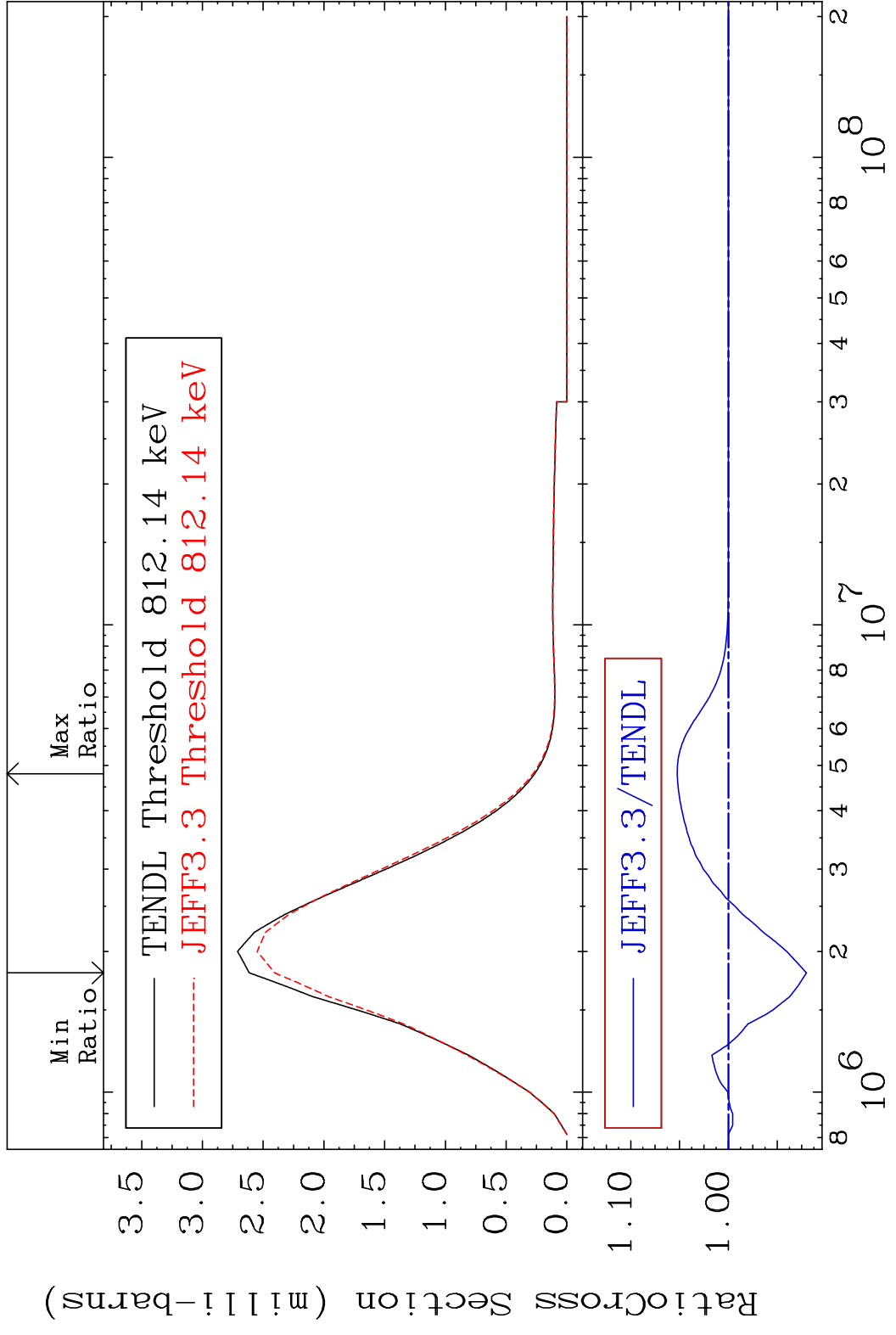


MAT 5446 MT= 60 (n,n') Level 54-Xe-131
 Cross Section -1.181 To 6.959 %

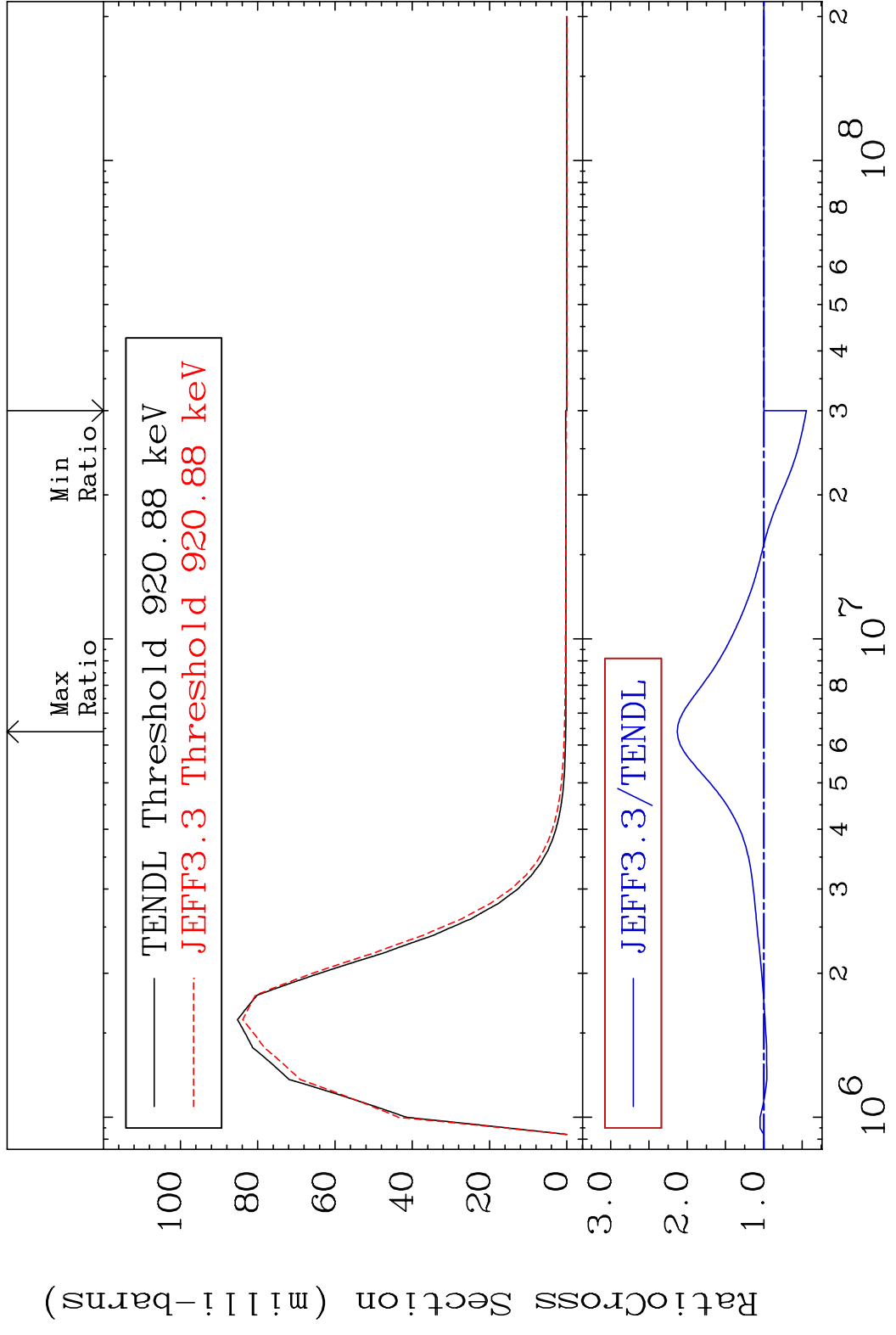


28 Incident Energy (eV) 54-Xe-131

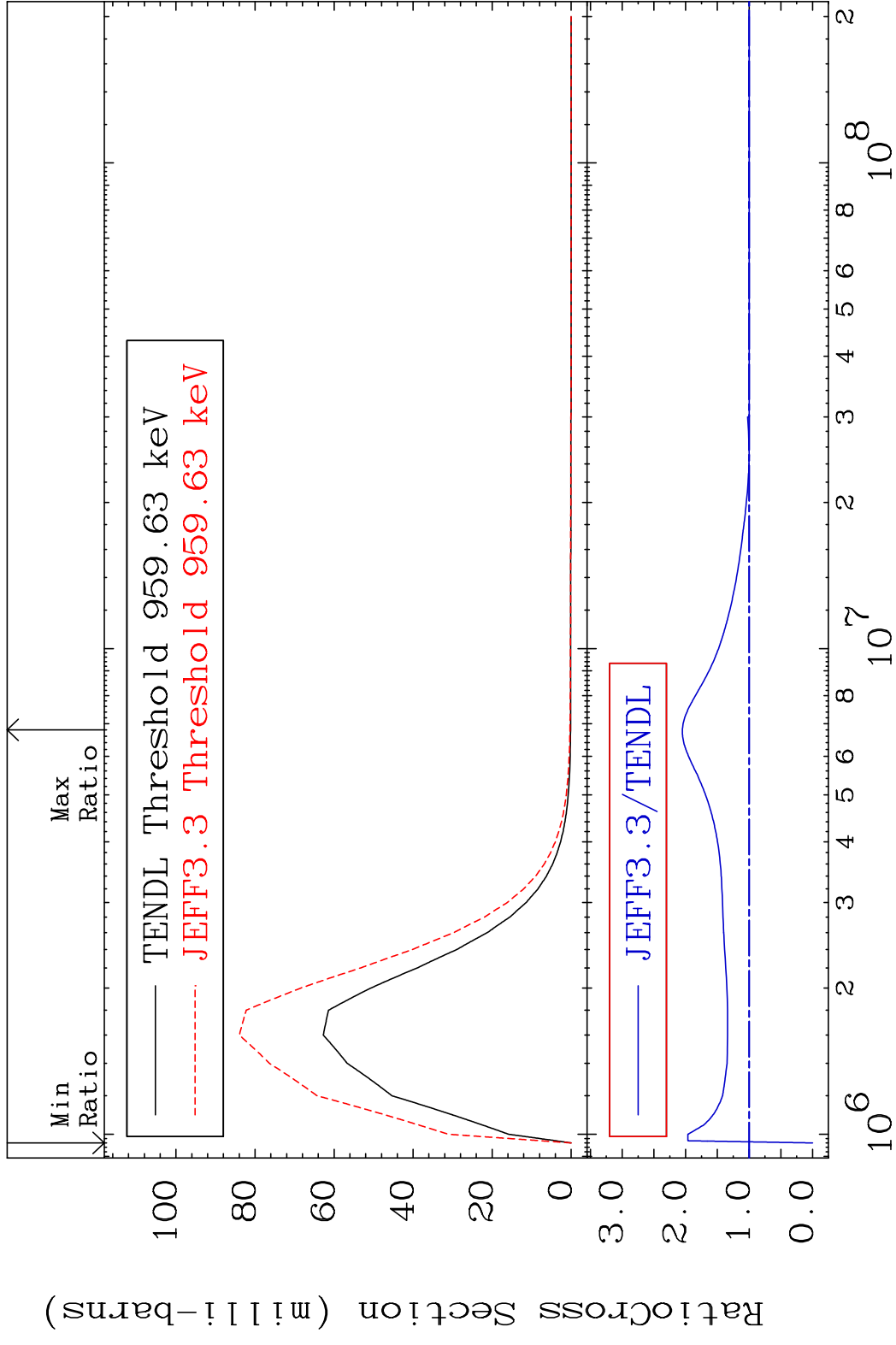
MAT 5446 MT= 61 (n,n') Level 54-Xe-131
 Cross Section -7.977 To 5.245 %



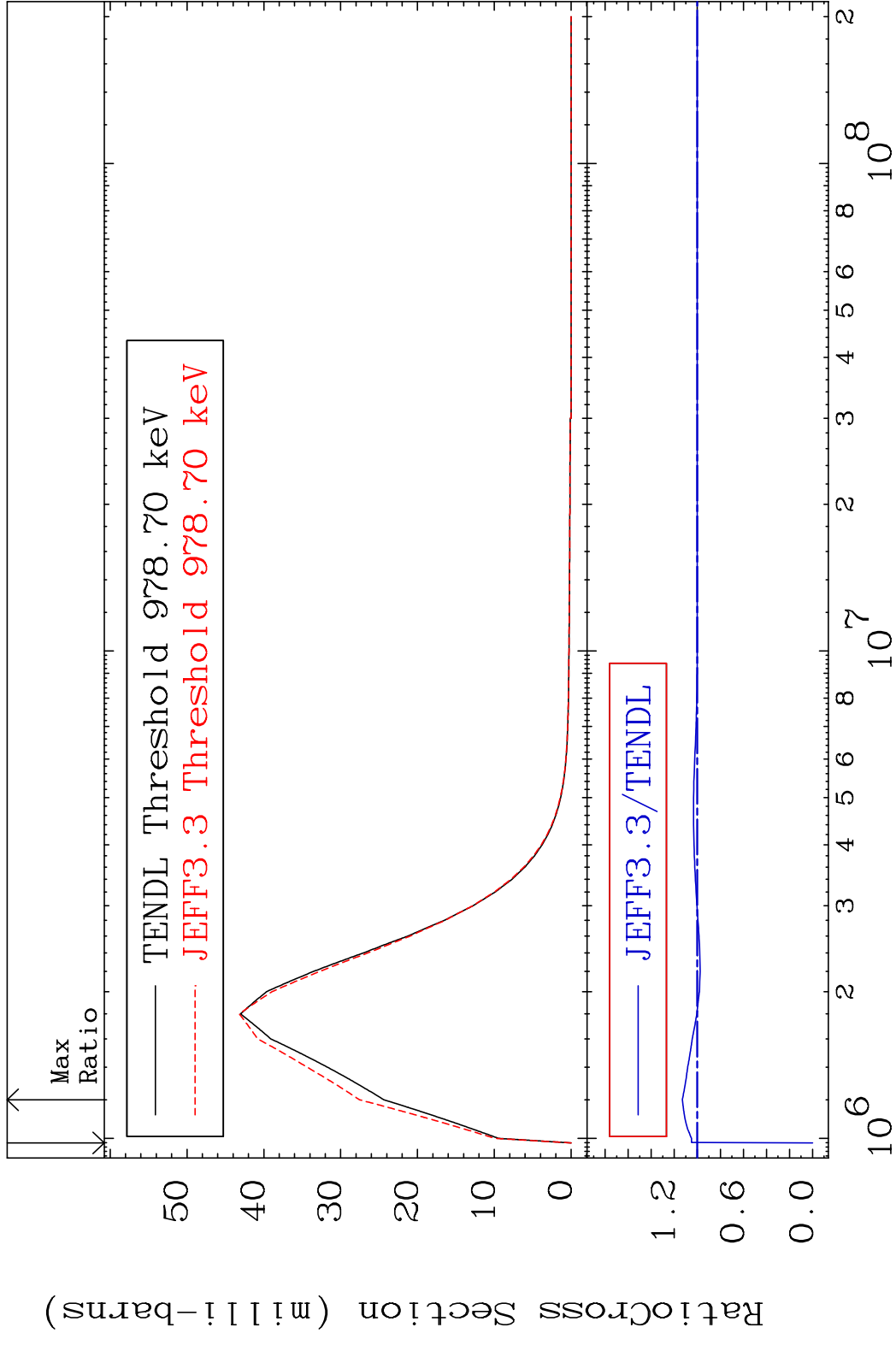
MAT 5446 MT= 62 (n, n') Level 54-Xe-131
 Cross Section -55.64 To 113.1 %



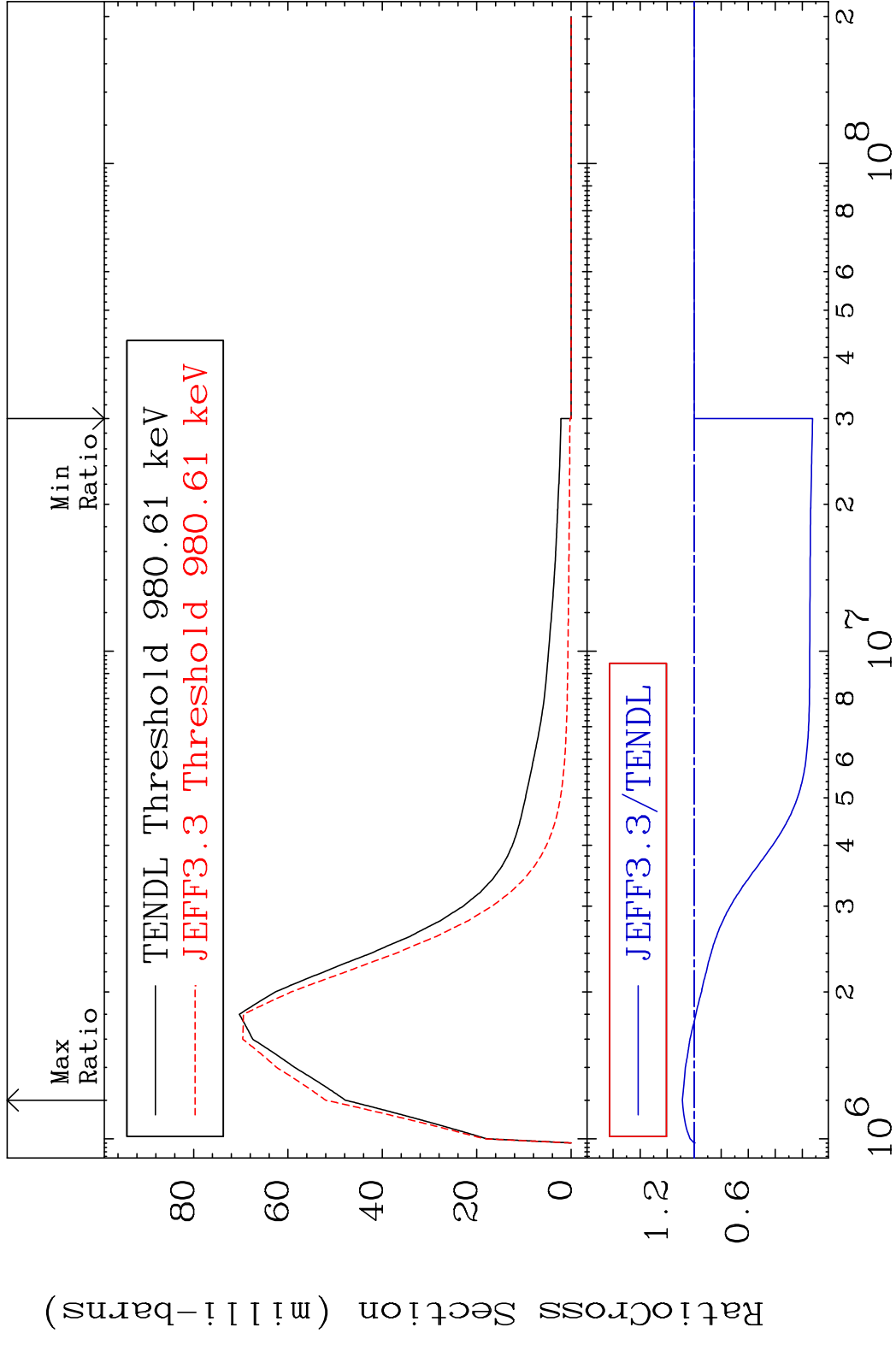
MAT 5446 MT= 63 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 105.2 %



MAT 5446 MT= 64 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 12.98 %

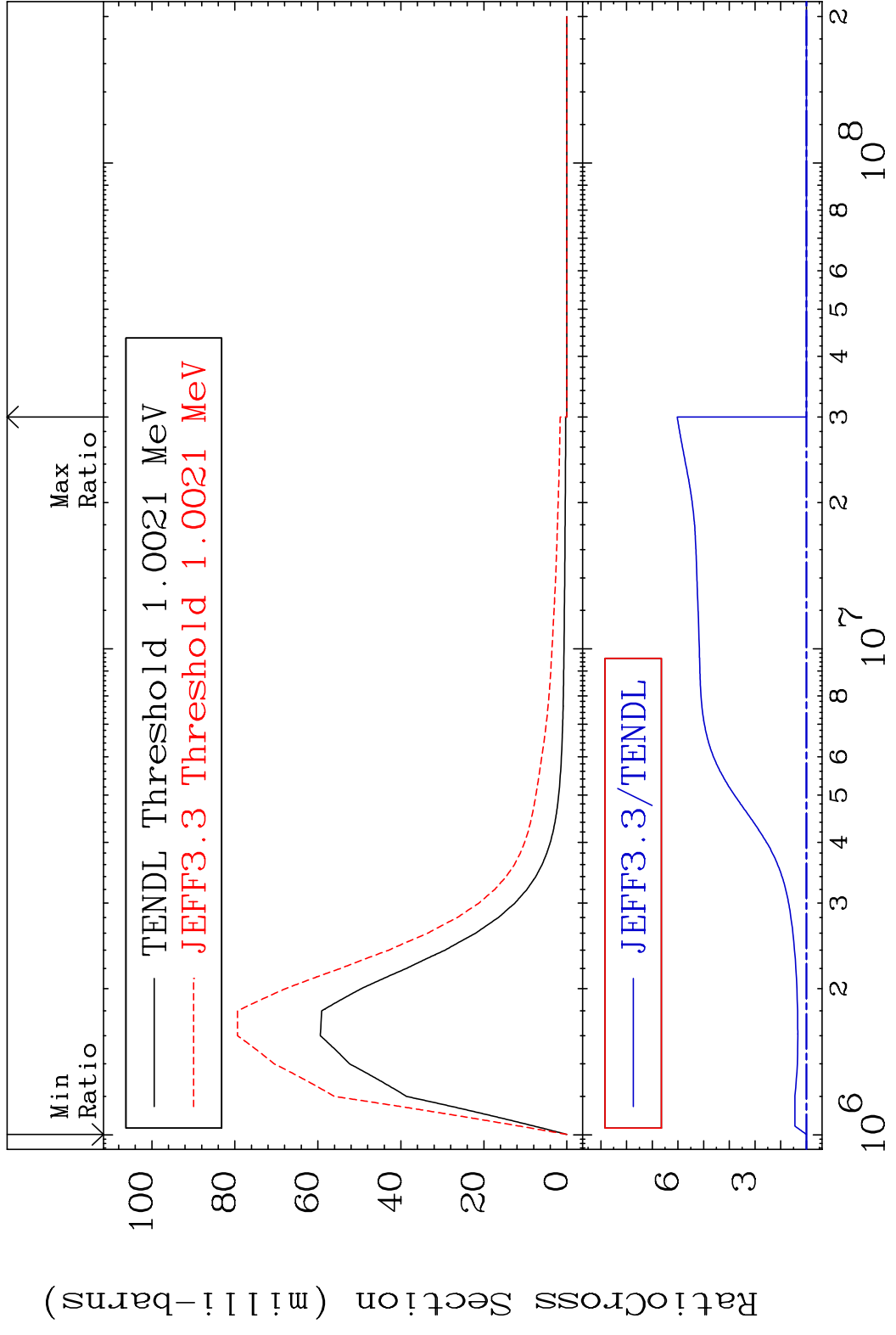


MAT 5446 MT= 65 (n, n') Level 54-Xe-131
 Cross Section -87.56 To 8.751 %



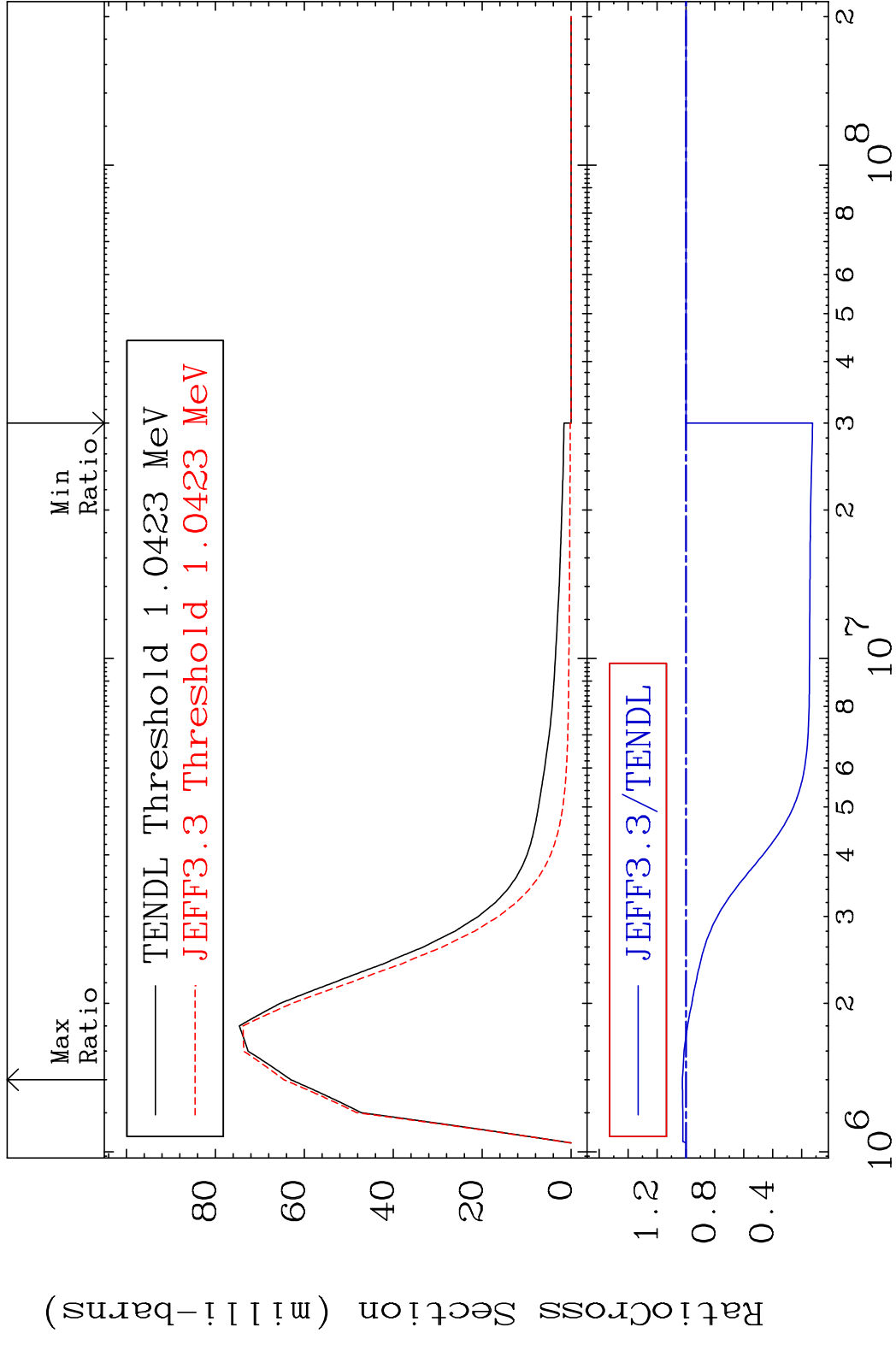
33 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 66 (n, n') Level 54-Xe-131
 Cross Section 0.000 To 502.9 %



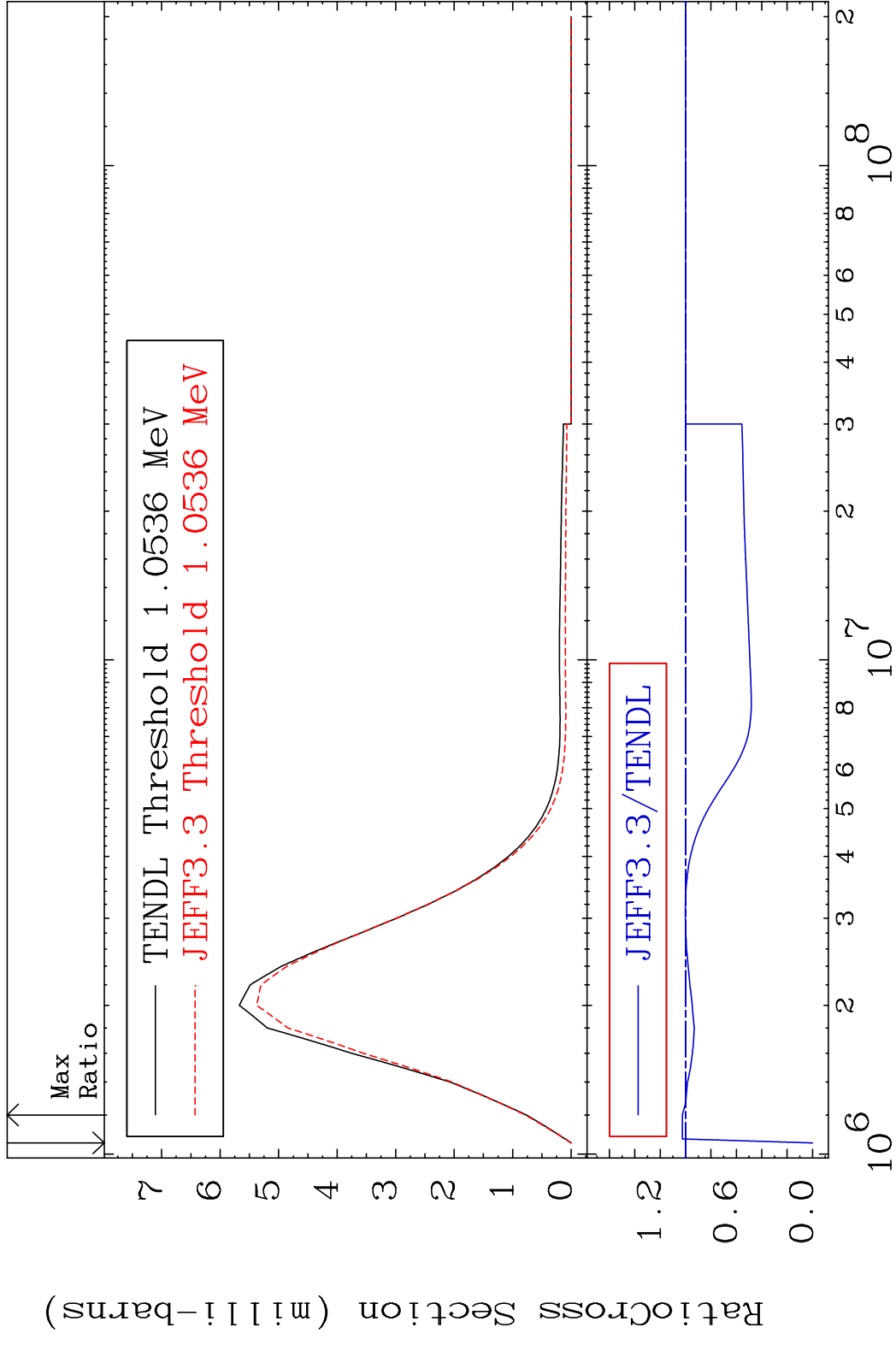
34 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 67 (n,n') Level 54-Xe-131
 Cross Section -87.57 To 2.488 %

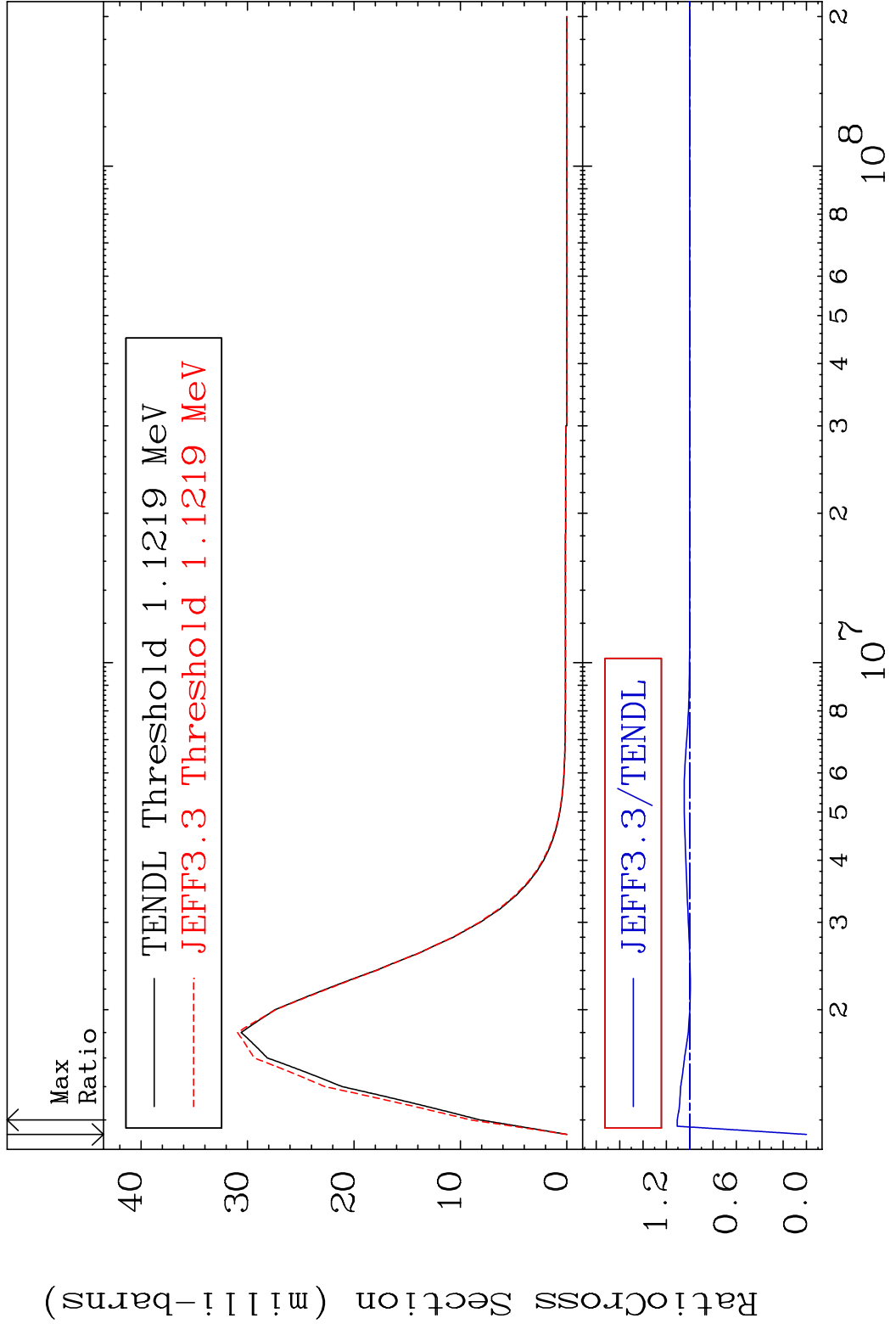


35 Incident Energy (eV) 54-Xe-131

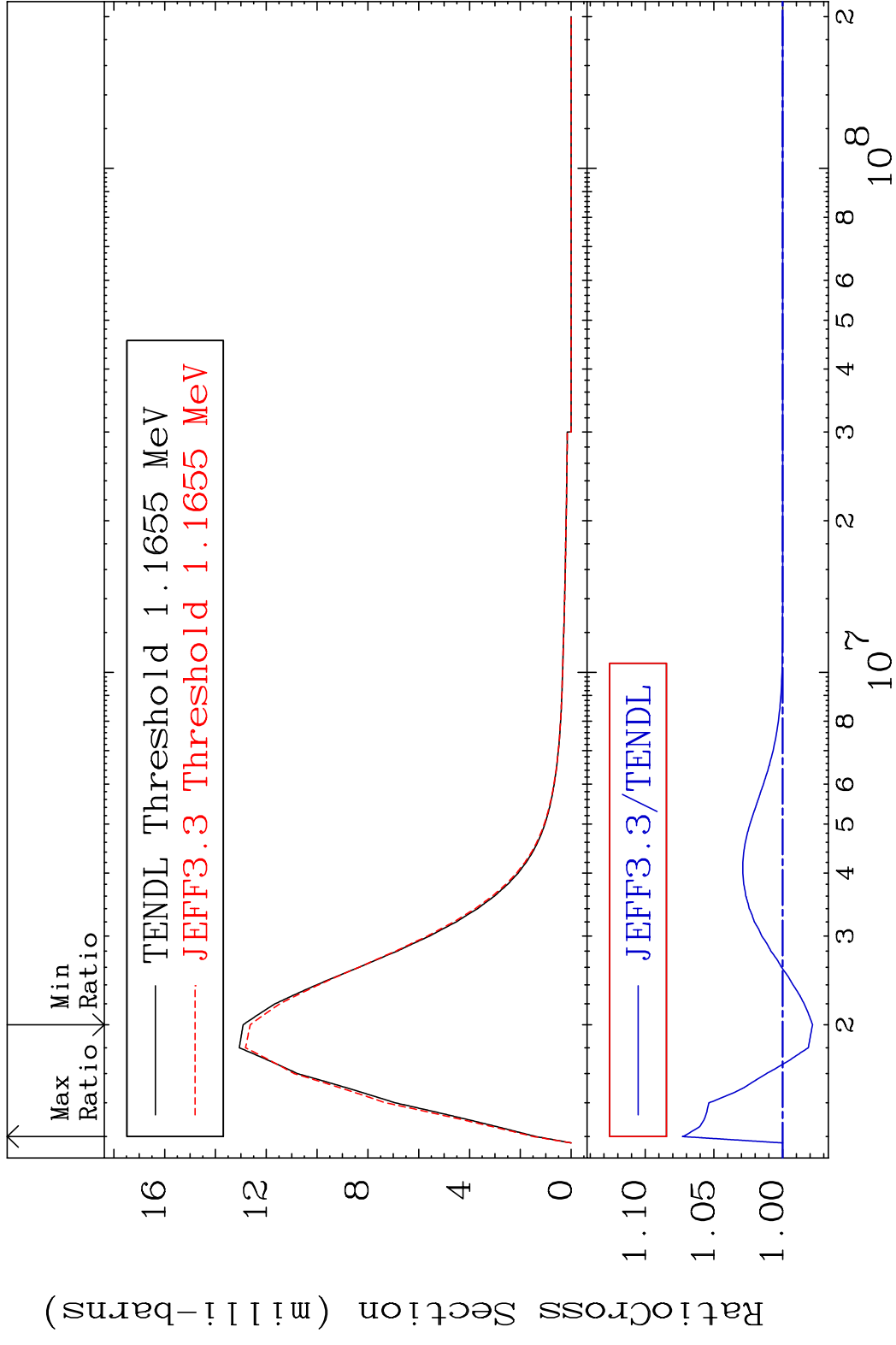
MAT 5446 MT= 68 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 2.569 %



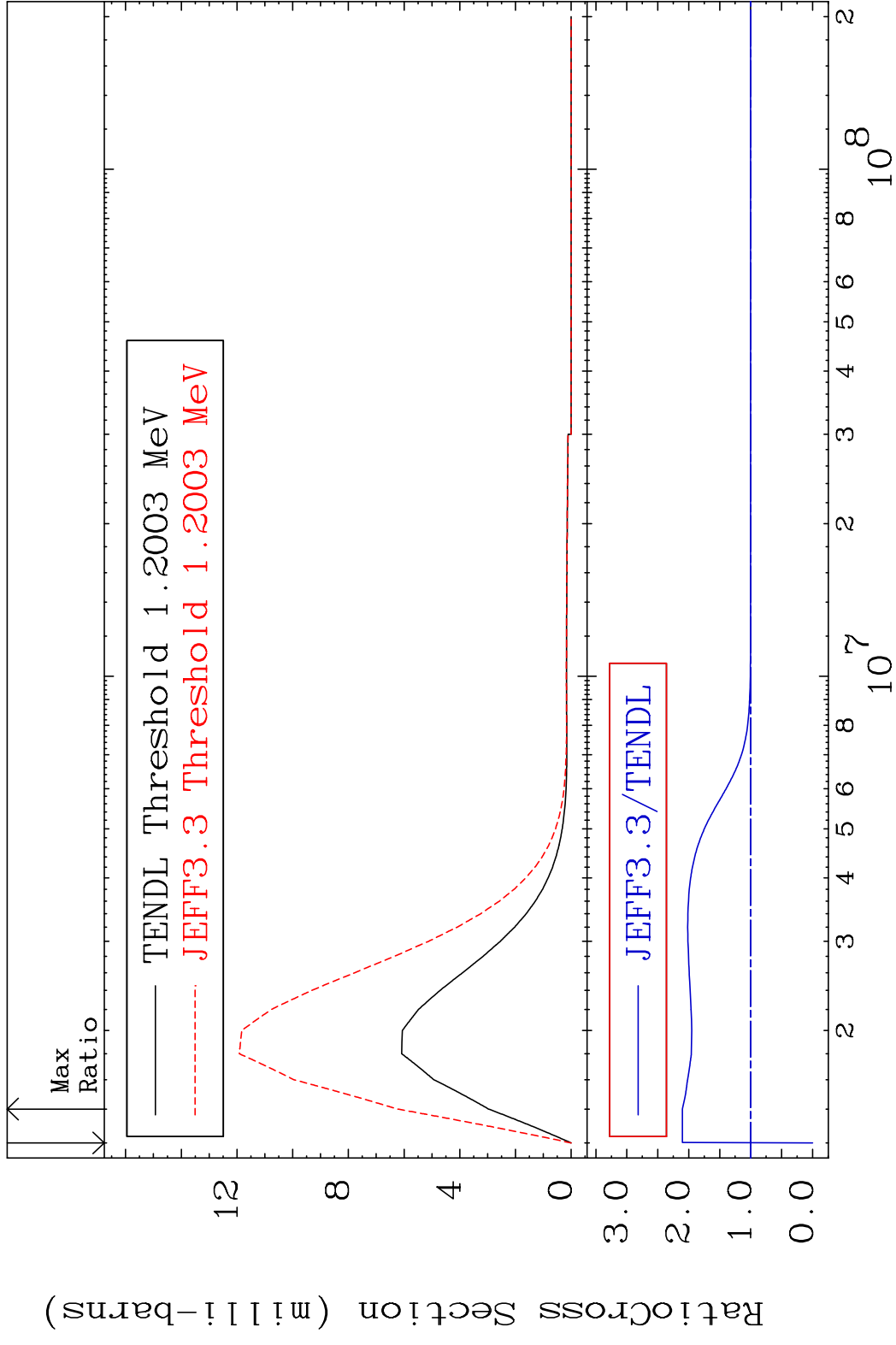
MAT 5446 MT= 69 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 10.70 %



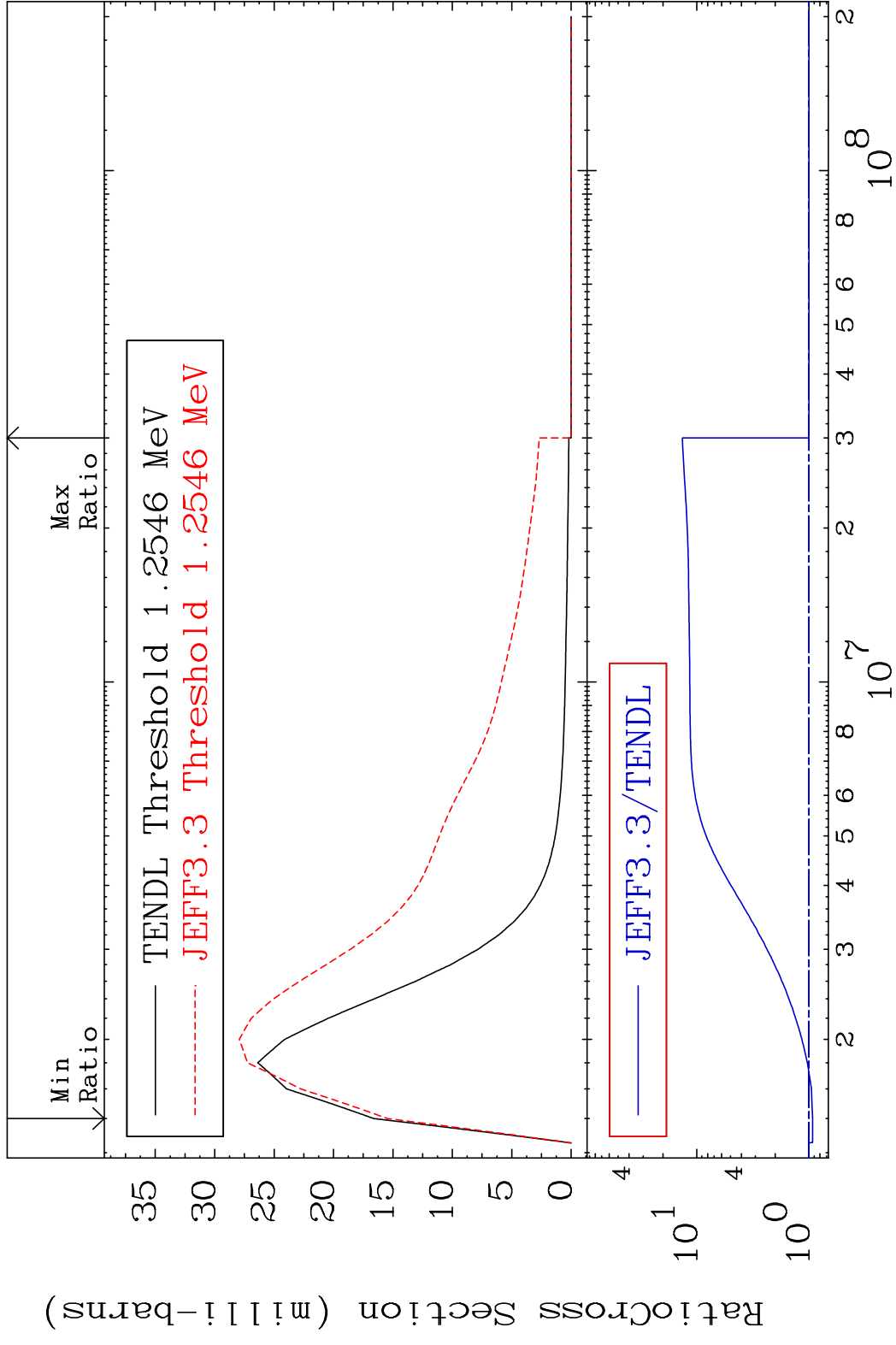
MAT 5446 MT= 70 (n,n') Level 54-Xe-131
 Cross Section -2.176 To 7.300 %



MAT 5446 MT= 71 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 110.3 %

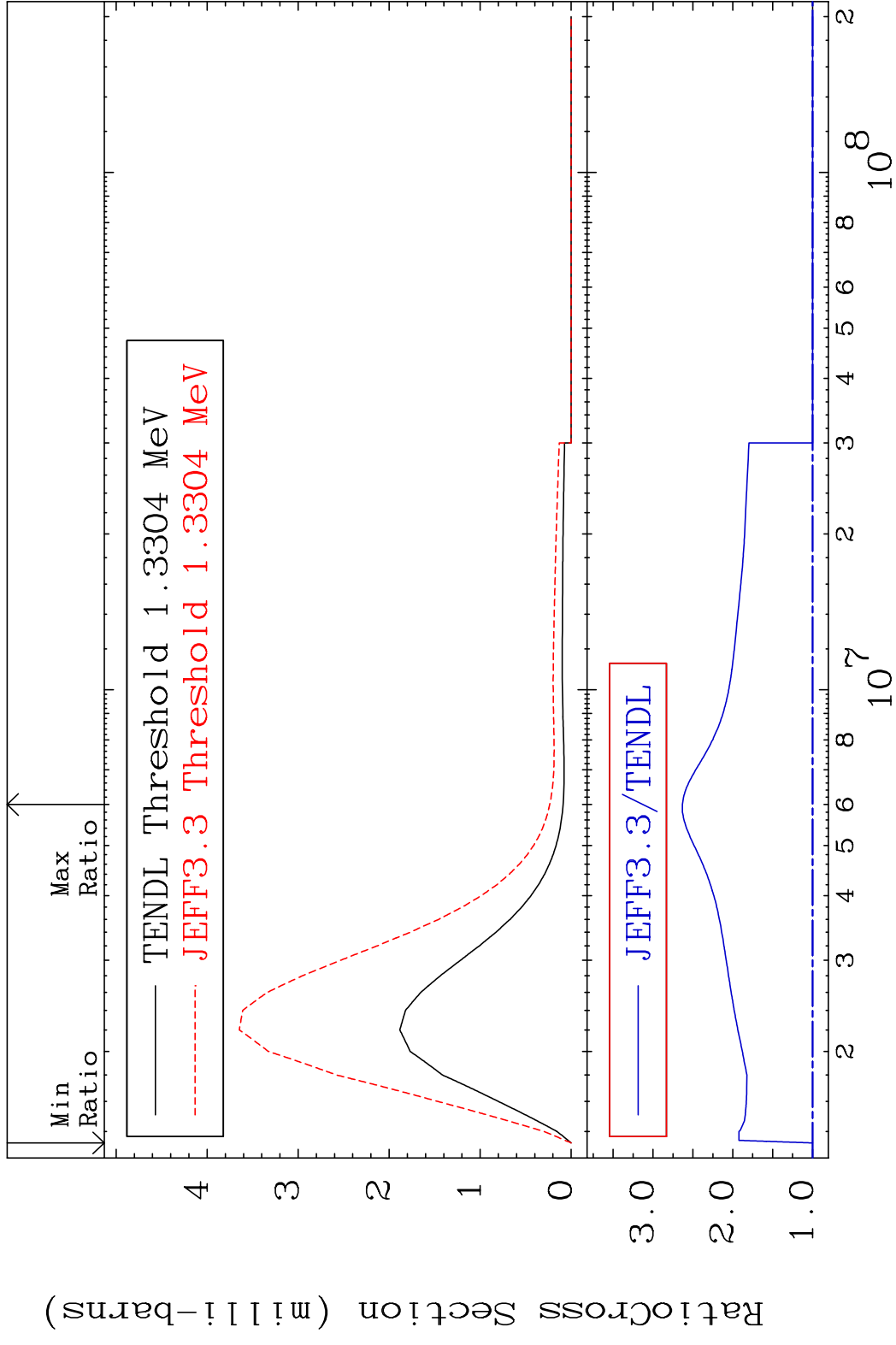


MAT 5446 MT= 72 (n, n') Level 54-Xe-131
 Cross Section -6.945 To 1242. %

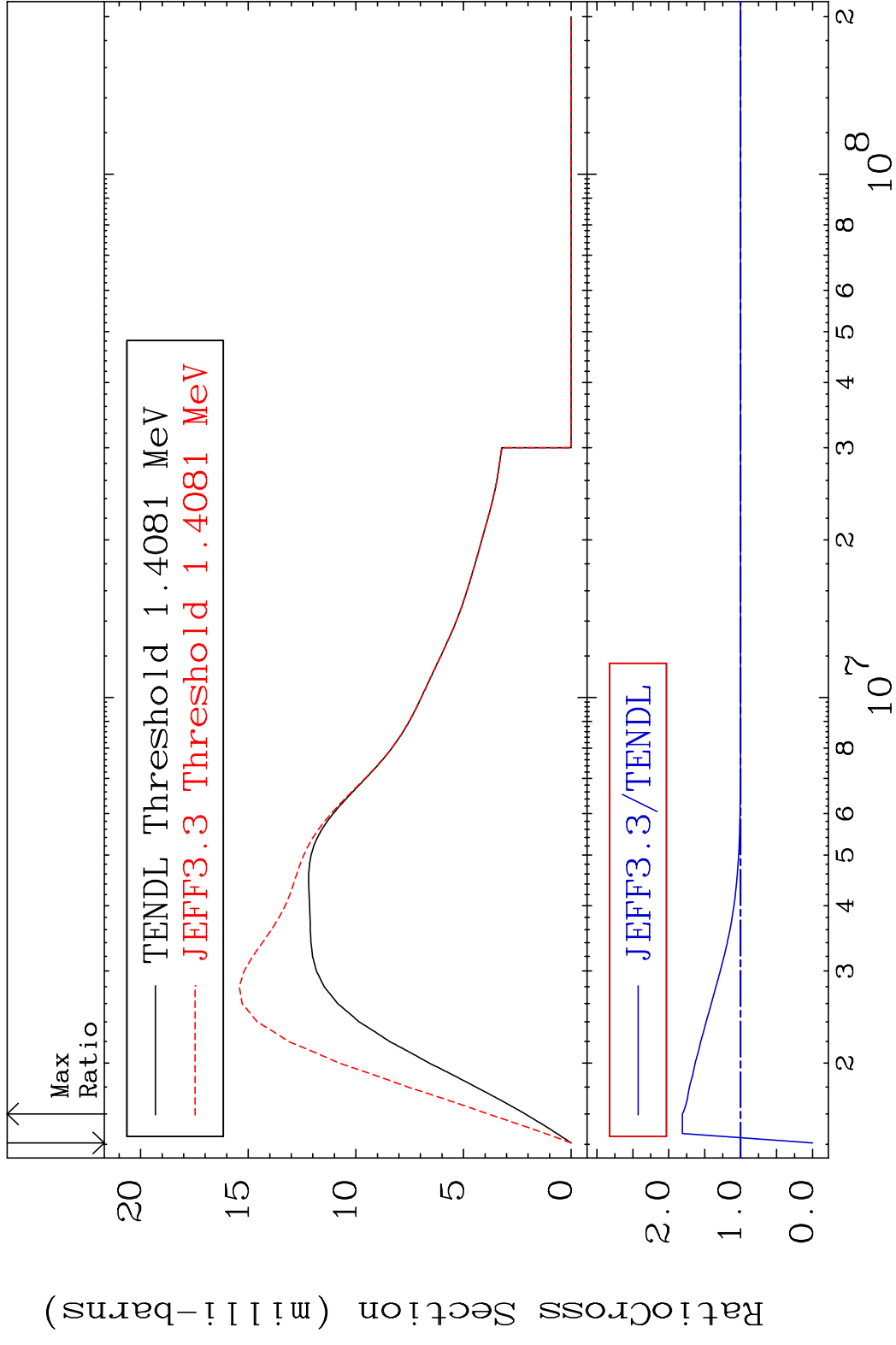


40 Incident Energy (eV) 54-Xe-131

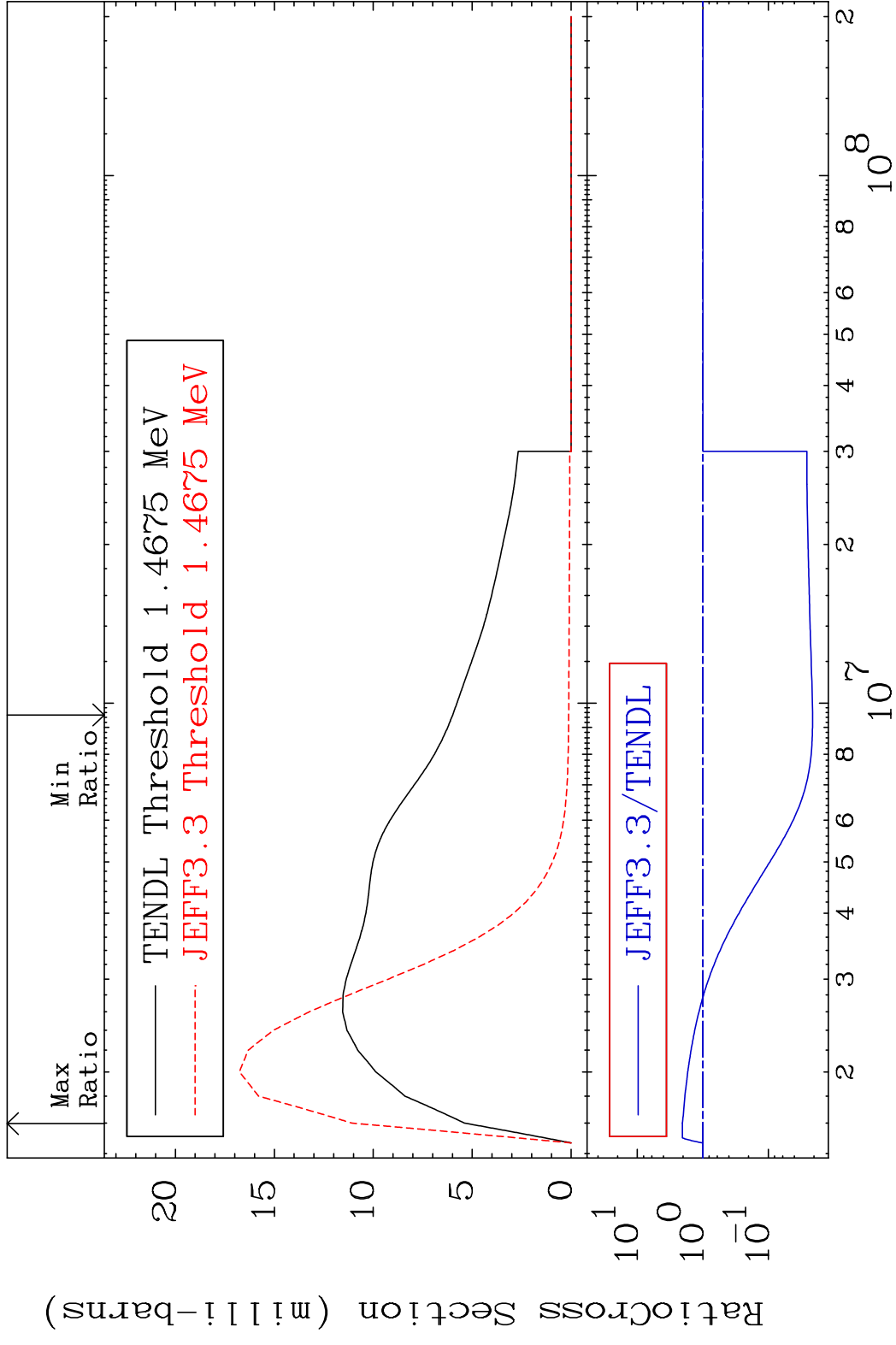
MAT 5446 MT= 73 (n, n') Level 54-Xe-131
 Cross Section 0.000 To 163.2 %



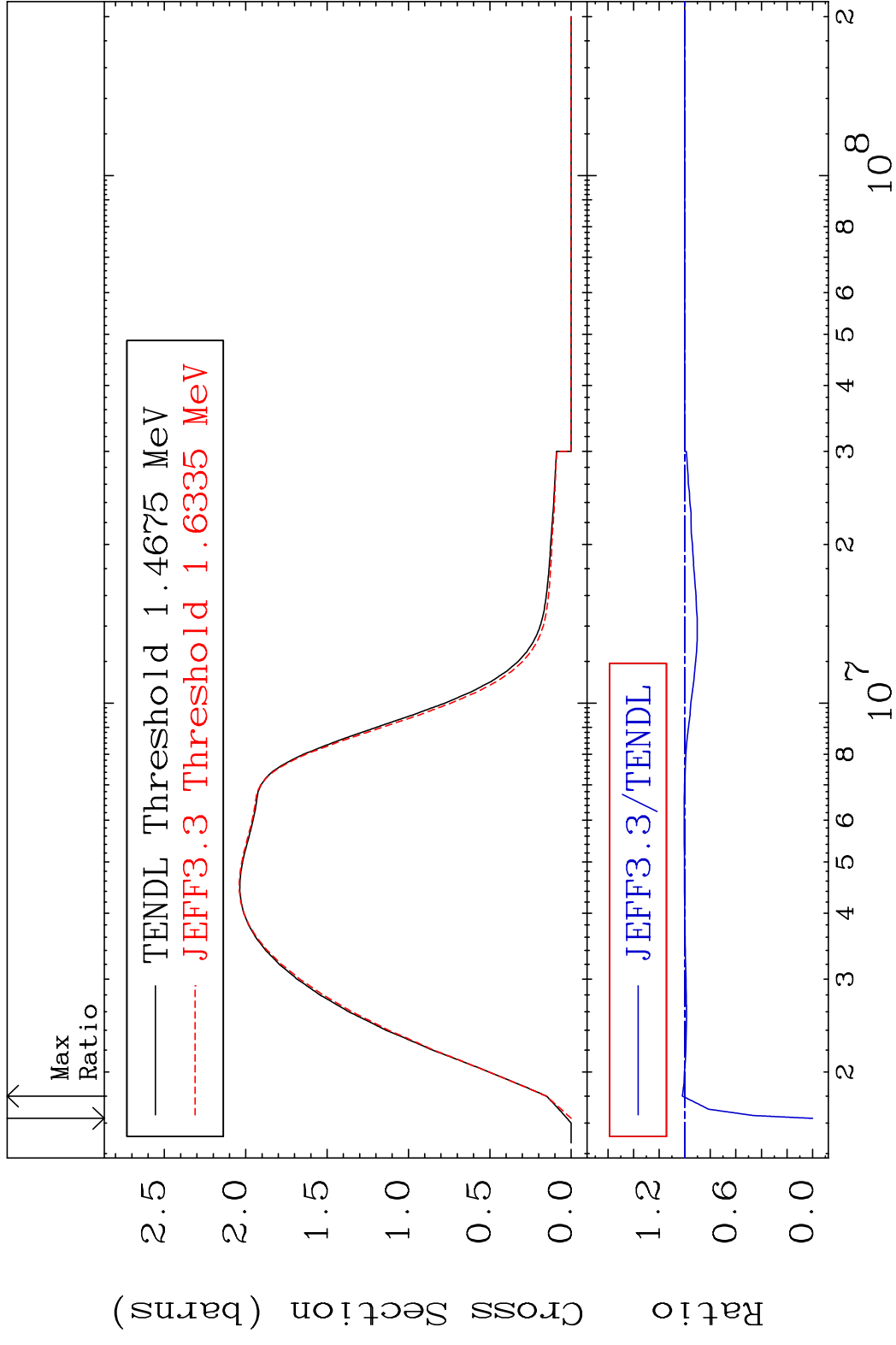
MAT 5446 MT= 74 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 81.09 %



MAT 5446 MT= 75 (n,n') Level 54-Xe-131
 Cross Section -97.89 To 105.3 %



MAT 5446 (n, n') Continuum 54-Xe-131
 Cross Section -100.0 To 1.831 %

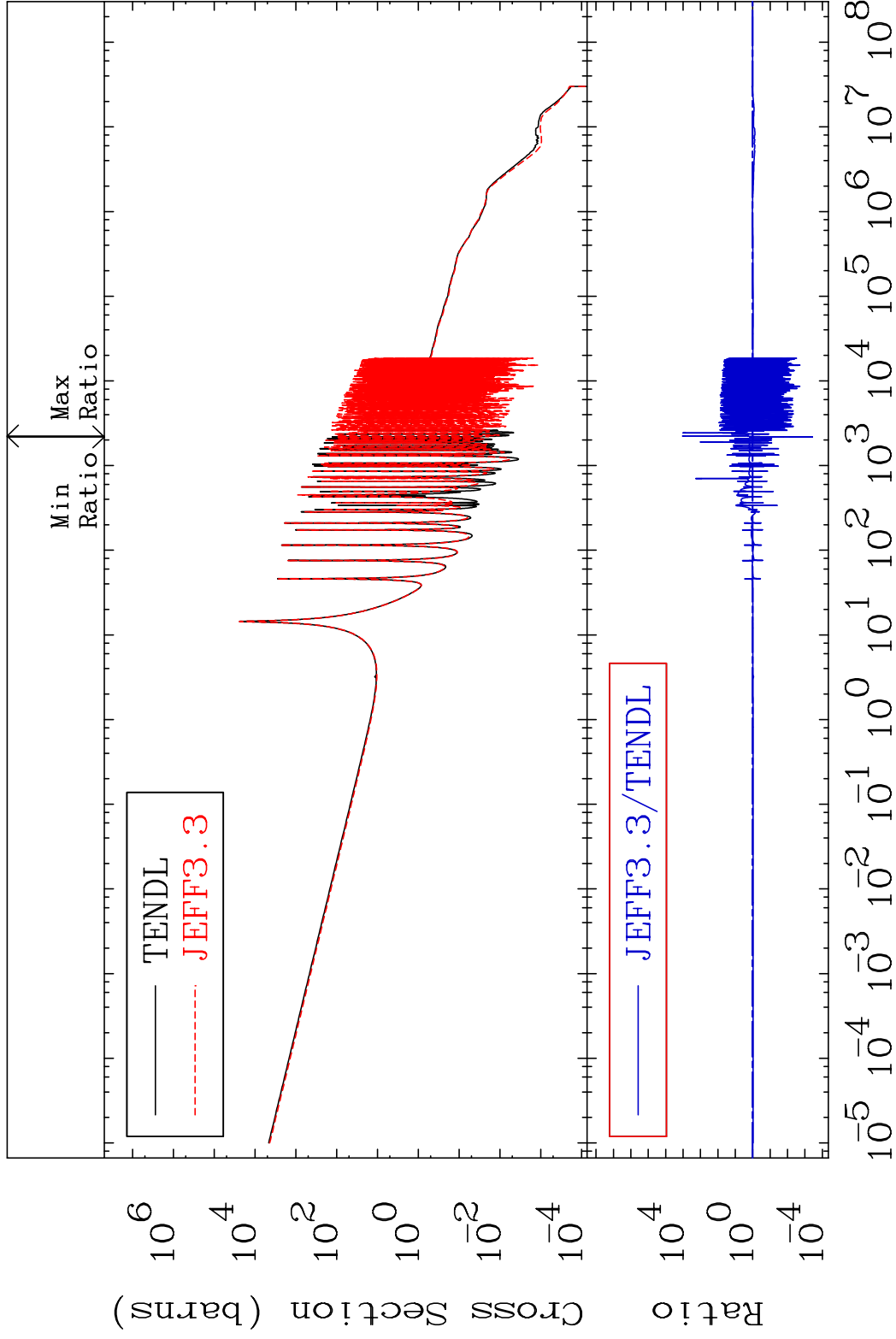


MAT 5446

(n, γ)

54-Xe-131

Cross Section -99.96 To 9999. %



45

Incident Energy (eV)

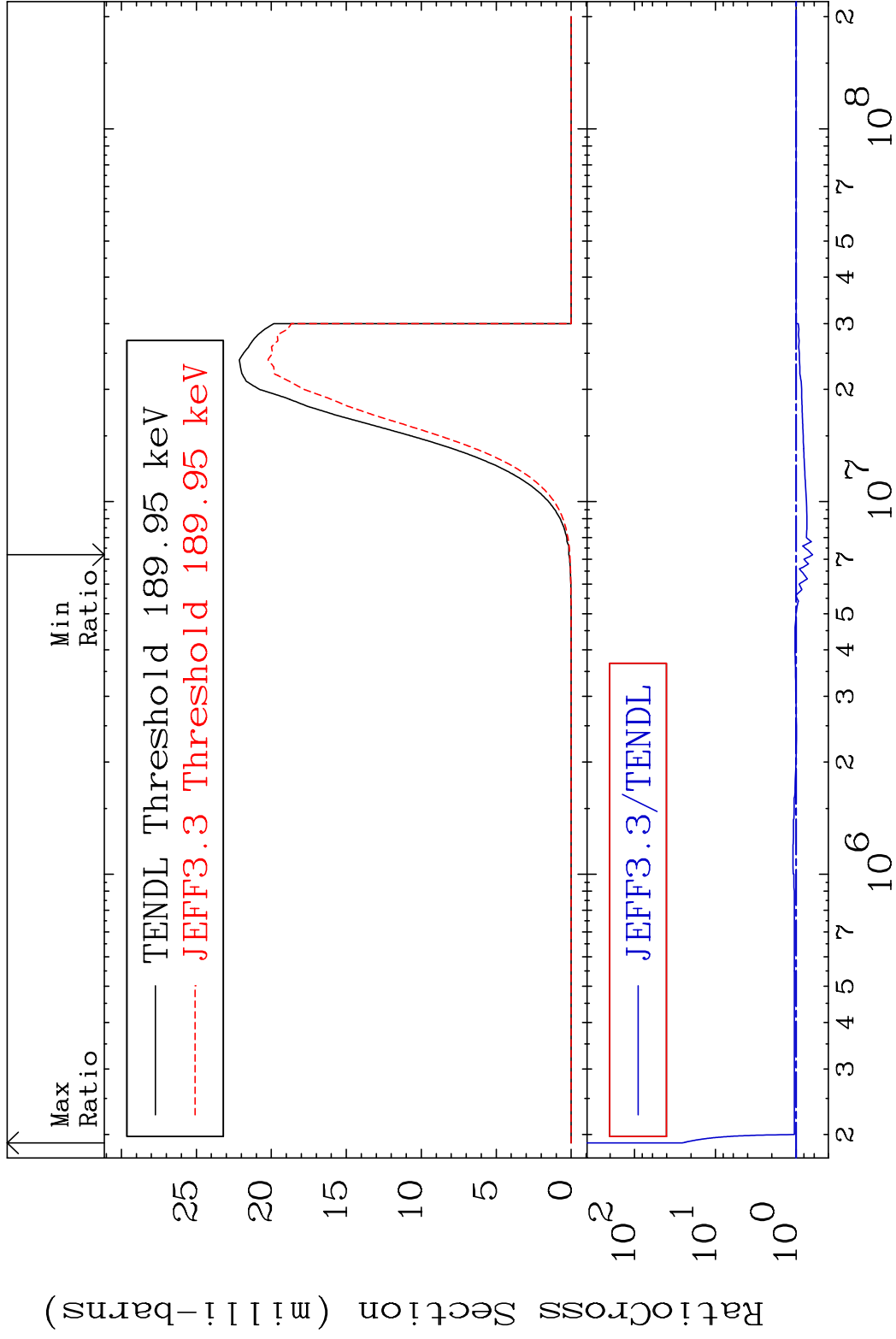
54-Xe-131

MAT 5446

(n, p)

54-Xe-131

Cross Section -37.27 To 2459. %

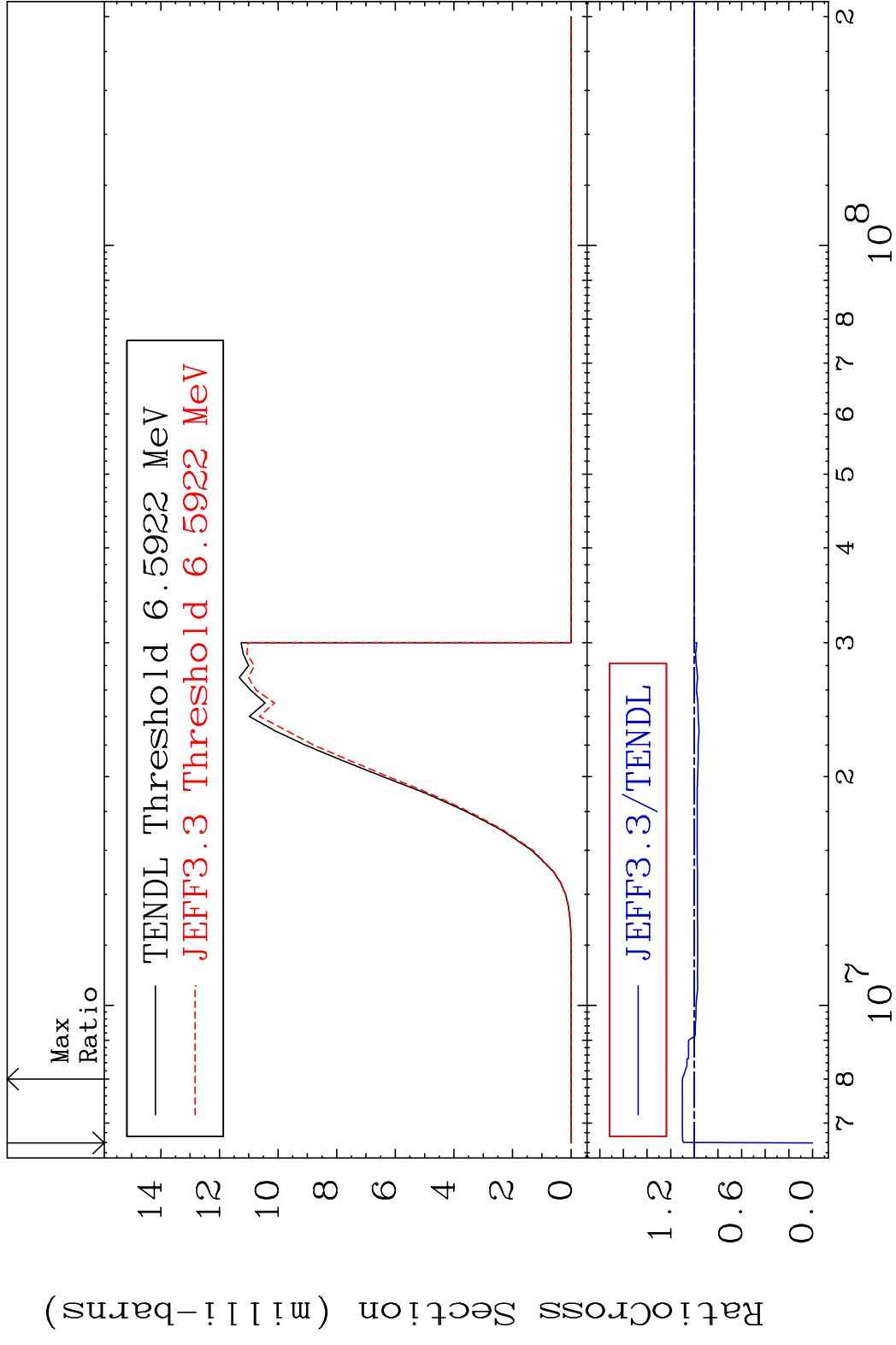


MAT 5446

(n, d)

54-Xe-131

Cross Section -100.0 To 10.14 %

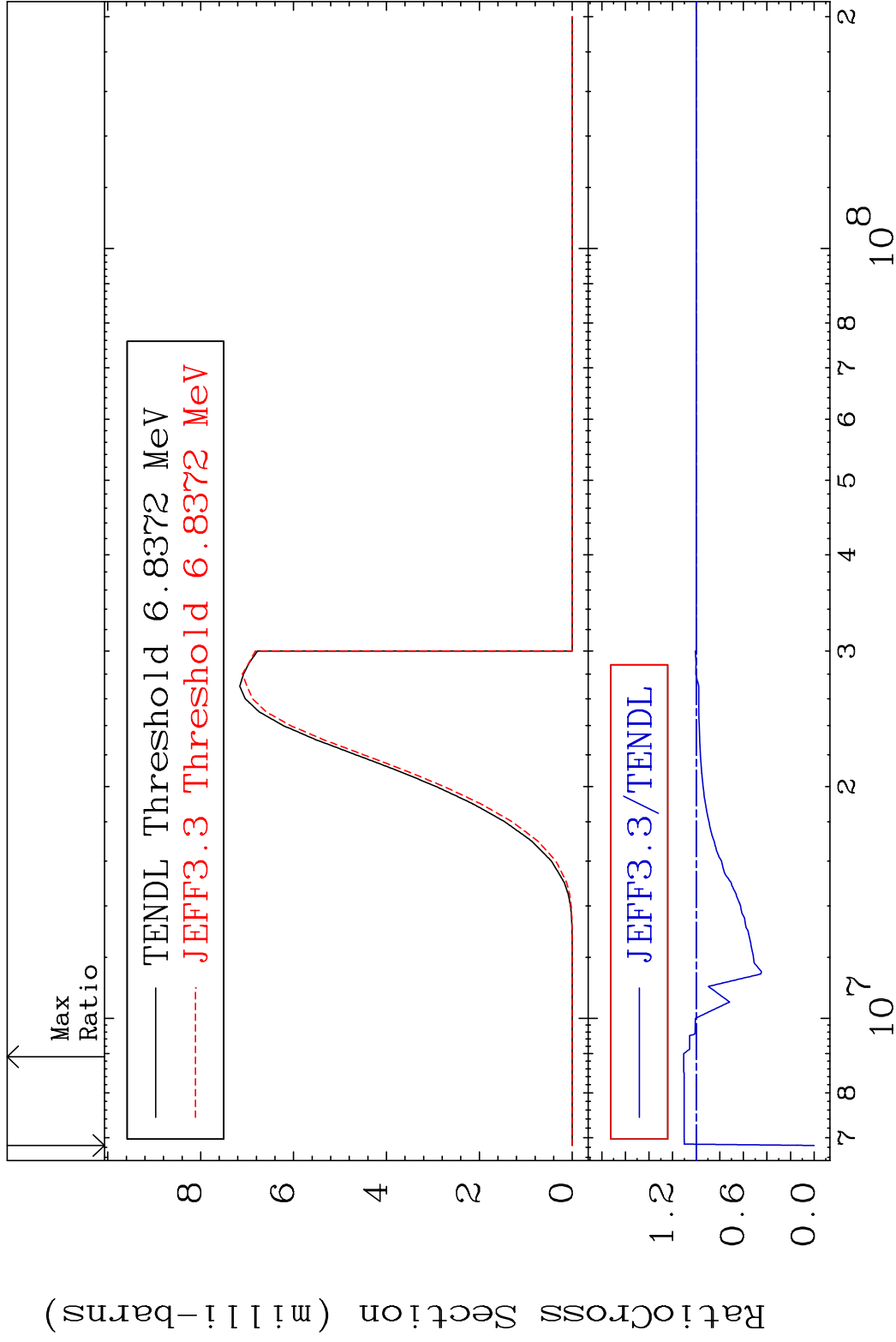


MAT 5446

(n, t)

54-Xe-131

Cross Section -100.0 To 10.60 %



48

Incident Energy (eV)

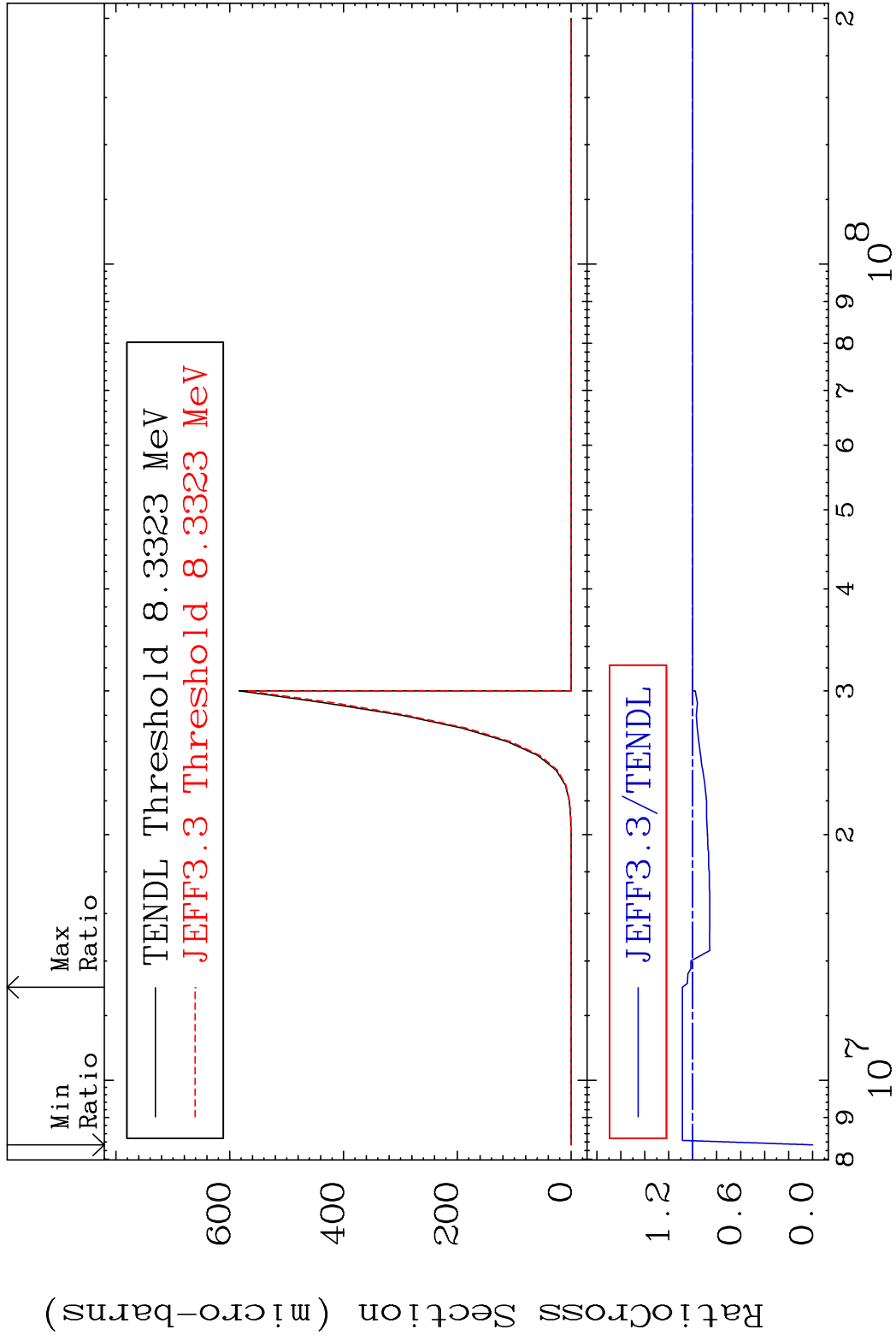
54-Xe-131

MAT 5446

(n, He-3)

54-Xe-131

Cross Section -100.0 To 8.662 %



49

Incident Energy (eV)

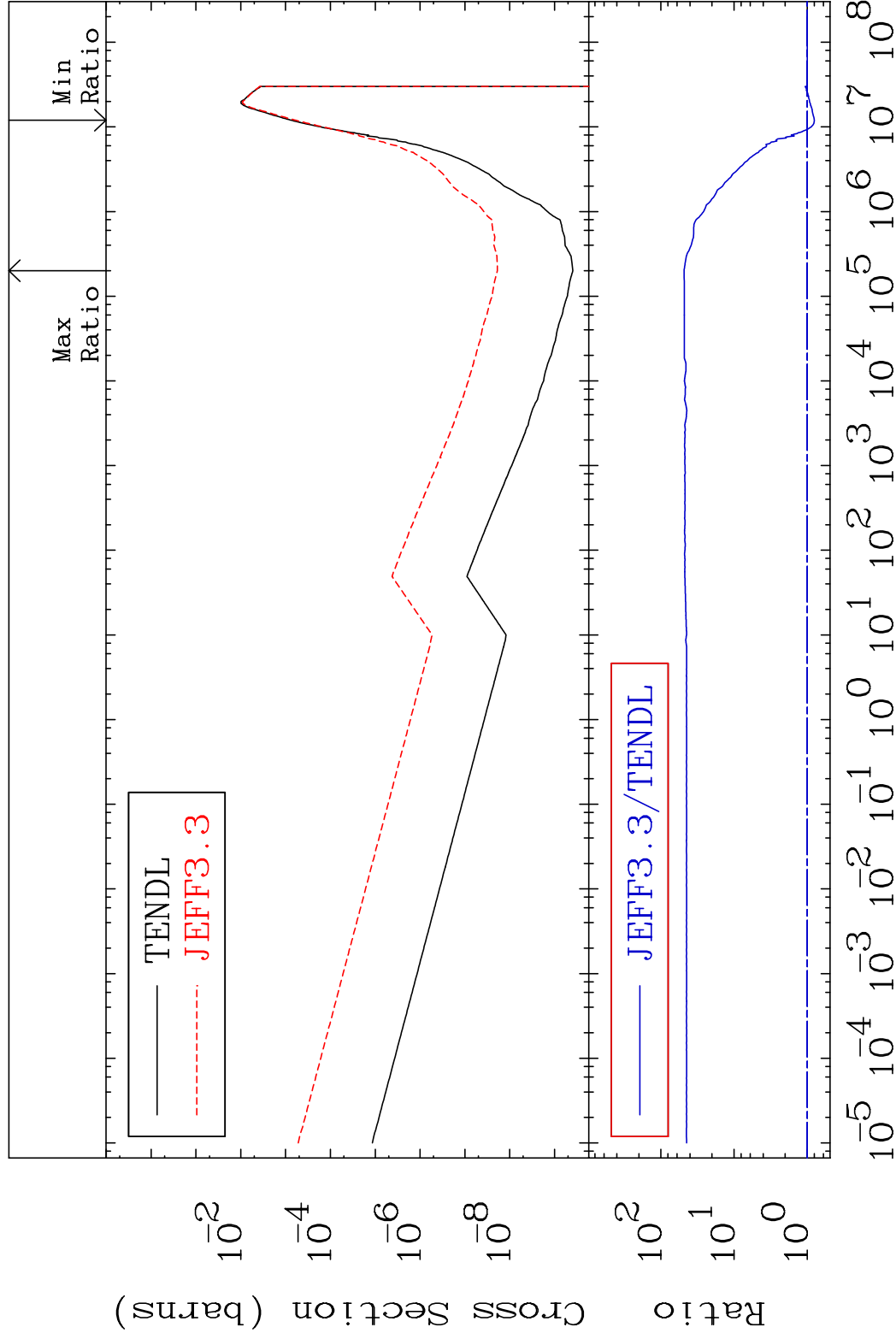
54-Xe-131

MAT 5446

54-Xe-131

(n, α)

Cross Section -19.99 To 4721. %



50

Incident Energy (eV)

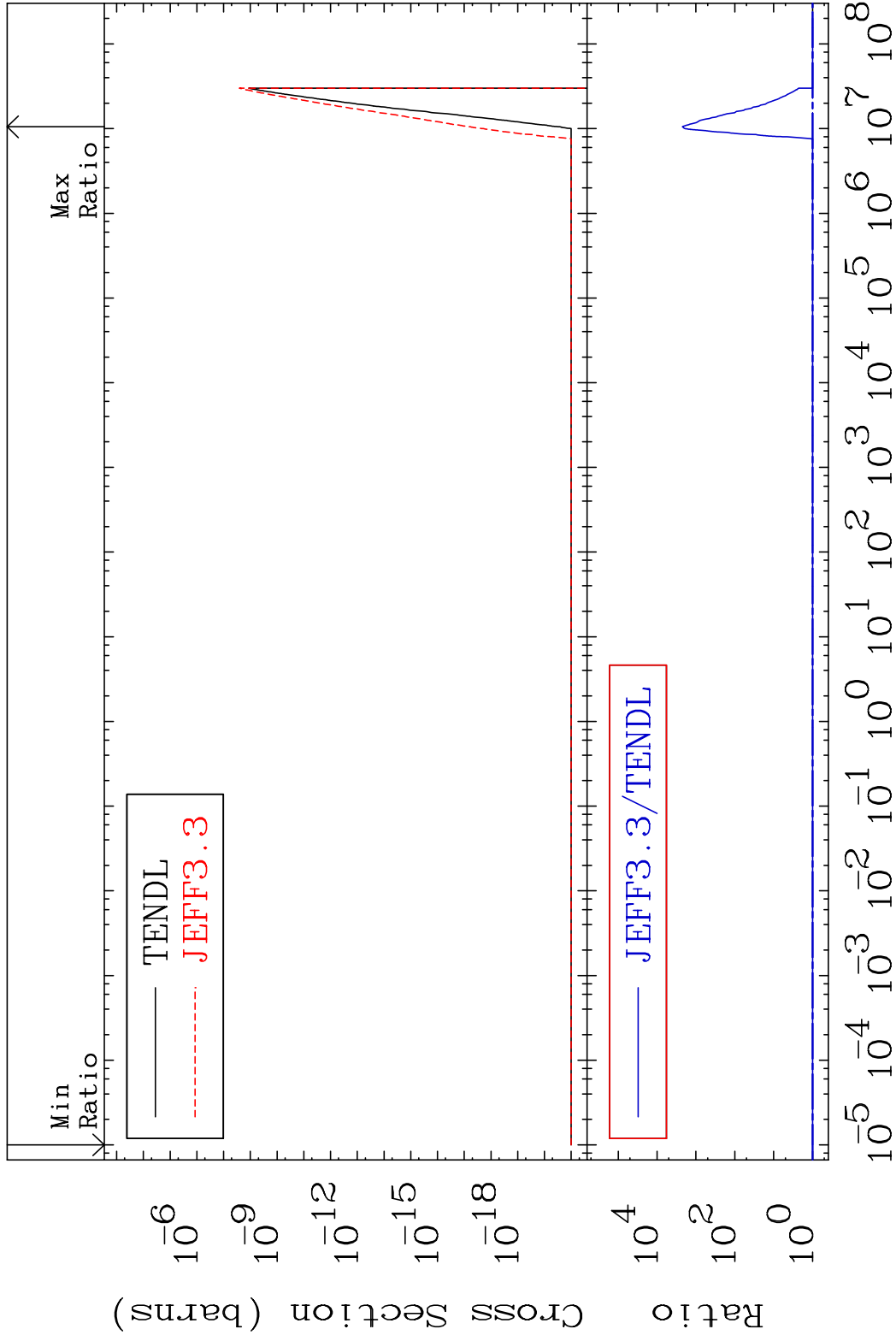
54-Xe-131

MAT 5446

(n,2α)

54-Xe-131

Cross Section 0.000 To 9999. %



51

Incident Energy (eV)

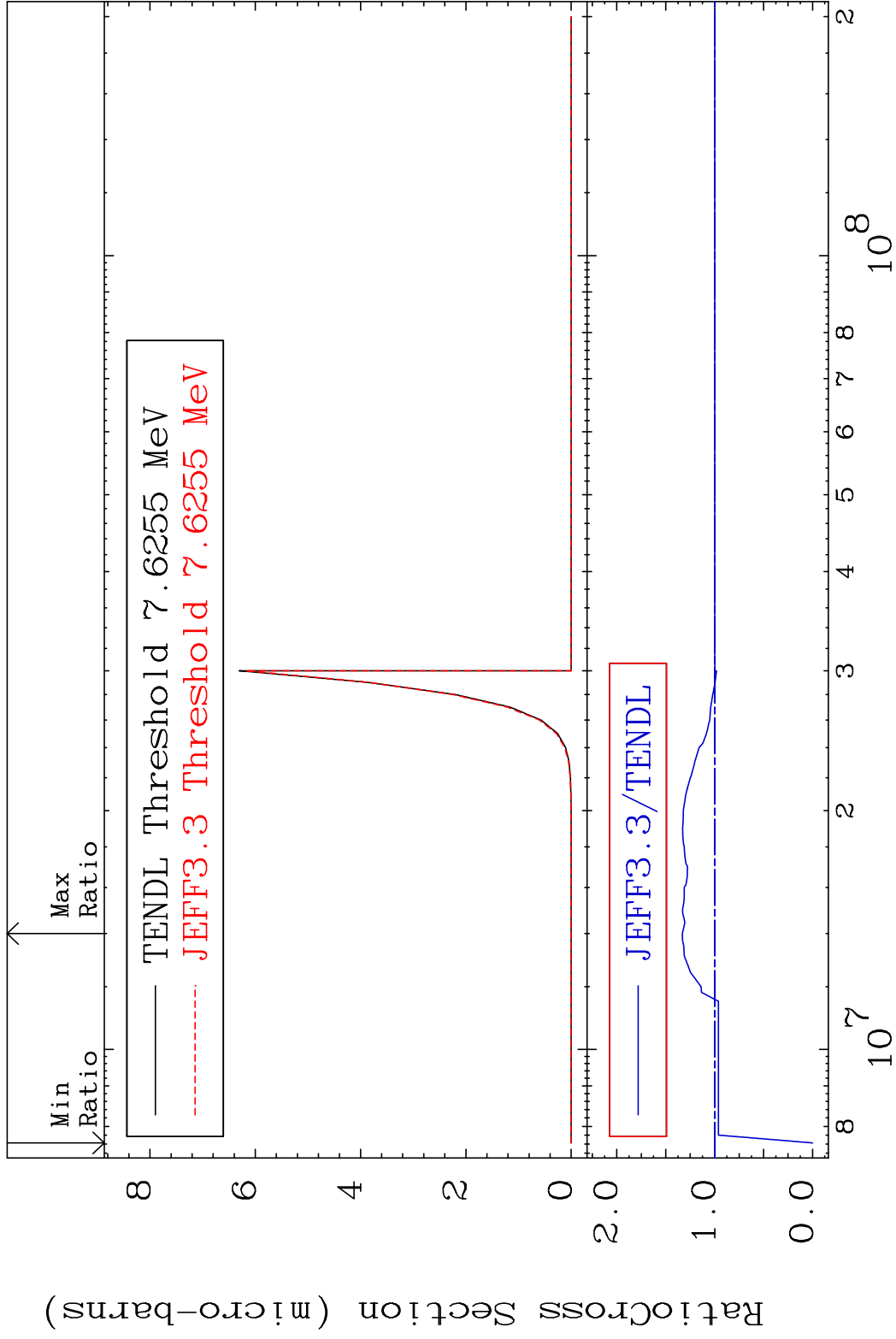
54-Xe-131

MAT 5446

(n,2p)

54-Xe-131

Cross Section -100.0 To 33.03 %



52

Incident Energy (eV)

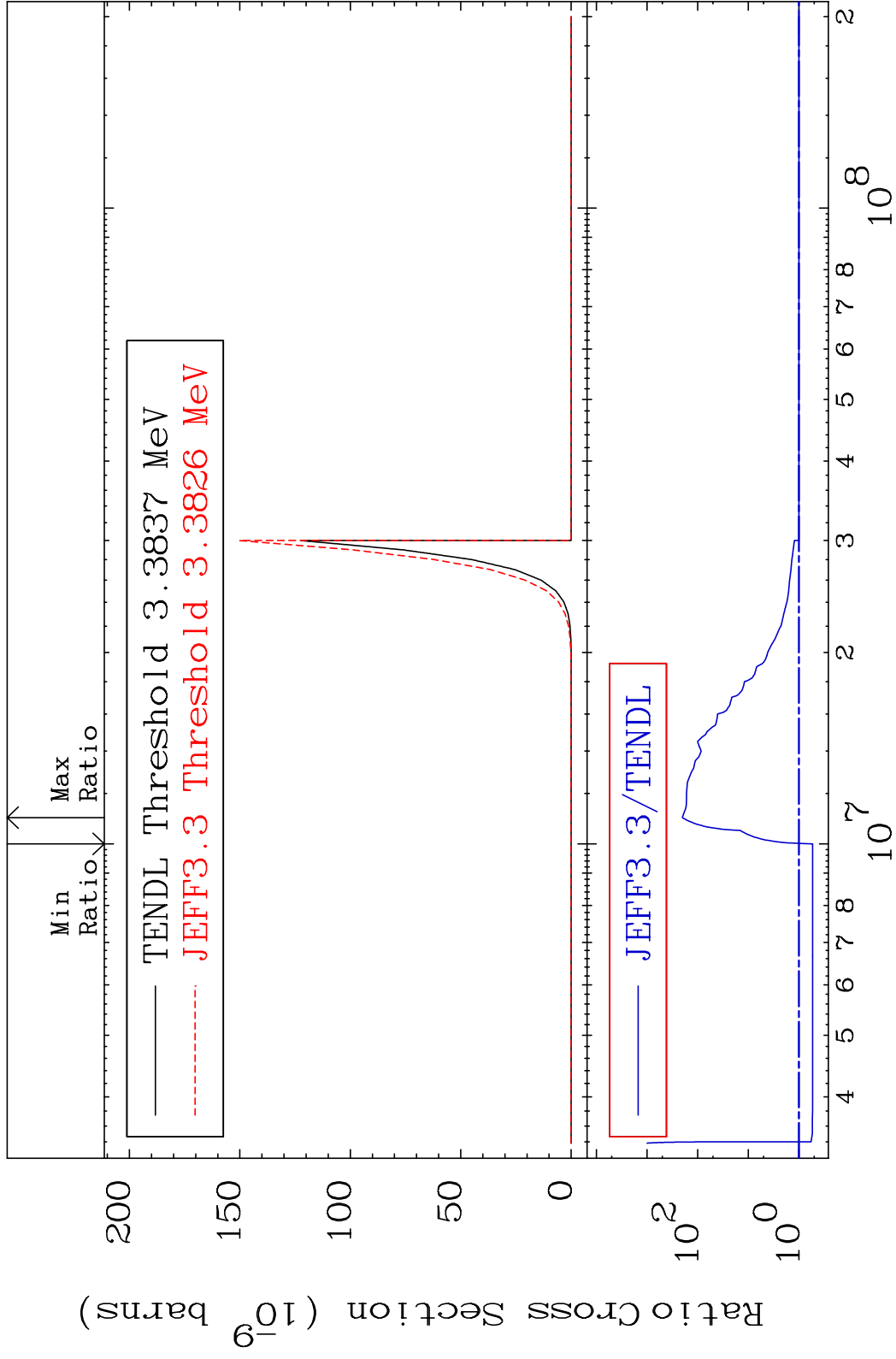
54-Xe-131

MAT 5446

(n,p) α

54-Xe-131

Cross Section -46.12 To 9999. %

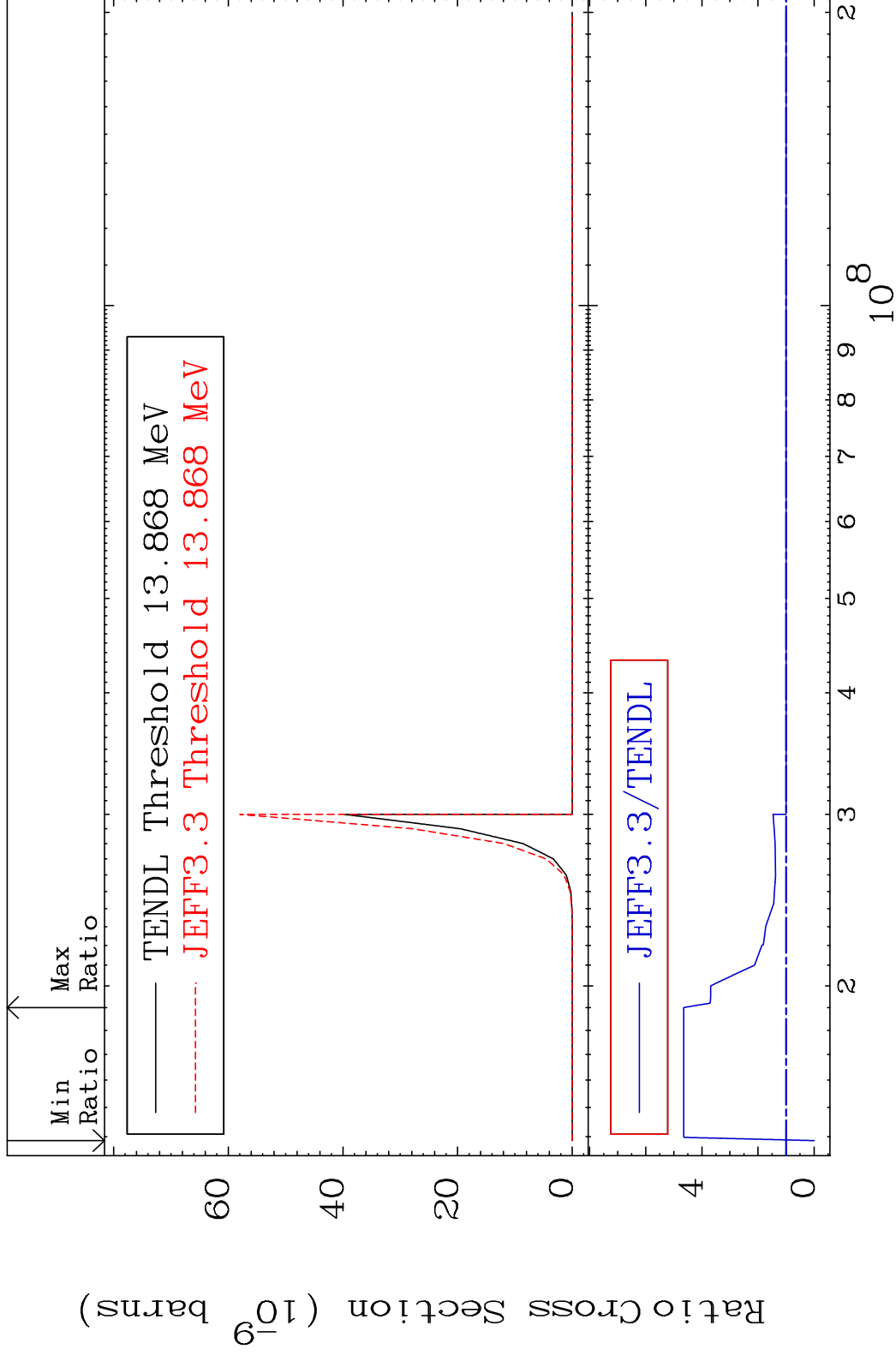


MAT 5446

(n,p) d

54-Xe-131

Cross Section -100.0 To 364.9 %



54

Incident Energy (eV)

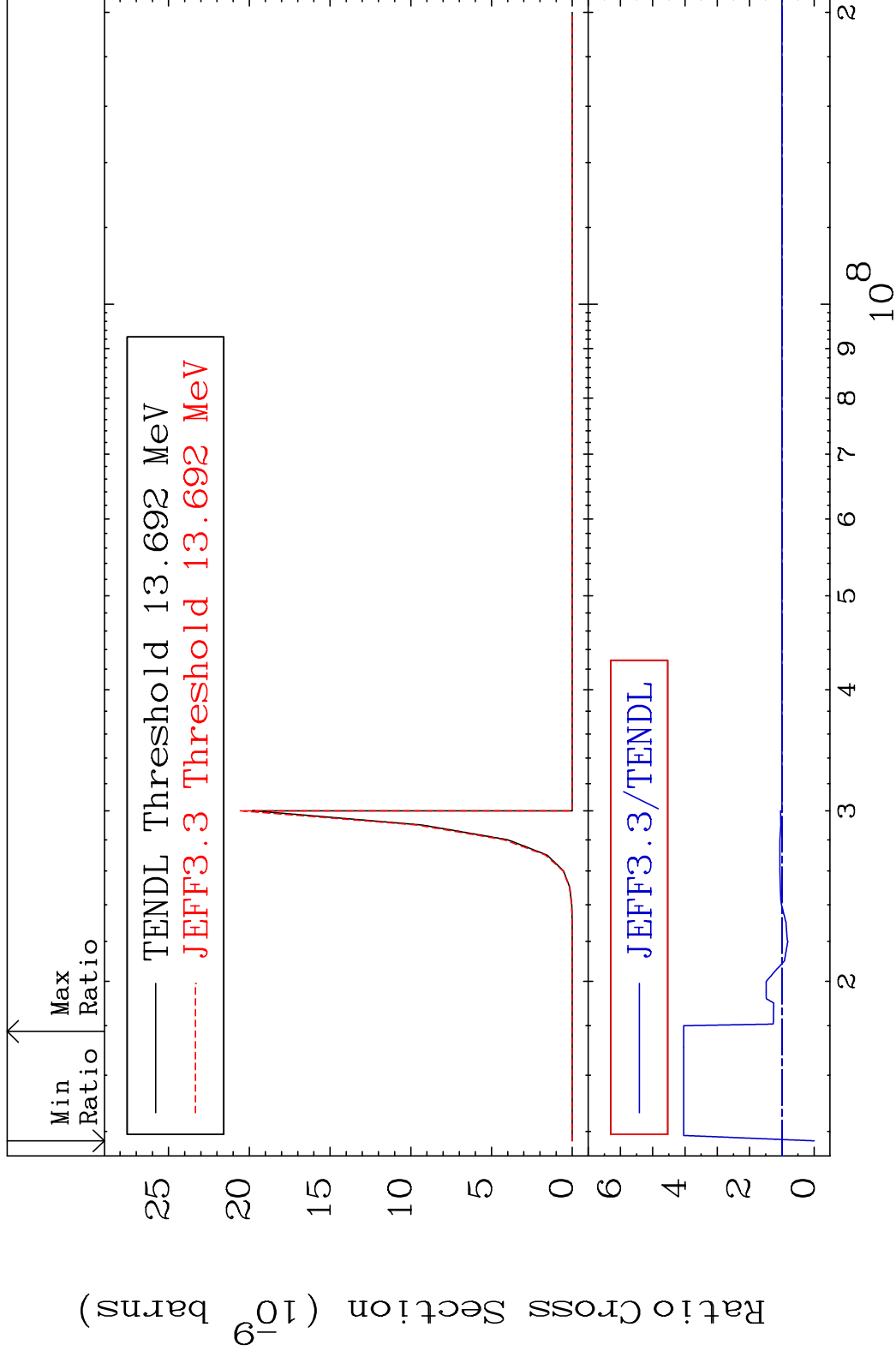
54-Xe-131

MAT 5446

(n,p) t

54-Xe-131

Cross Section -100.0 To 304.2 %



55

Incident Energy (eV)

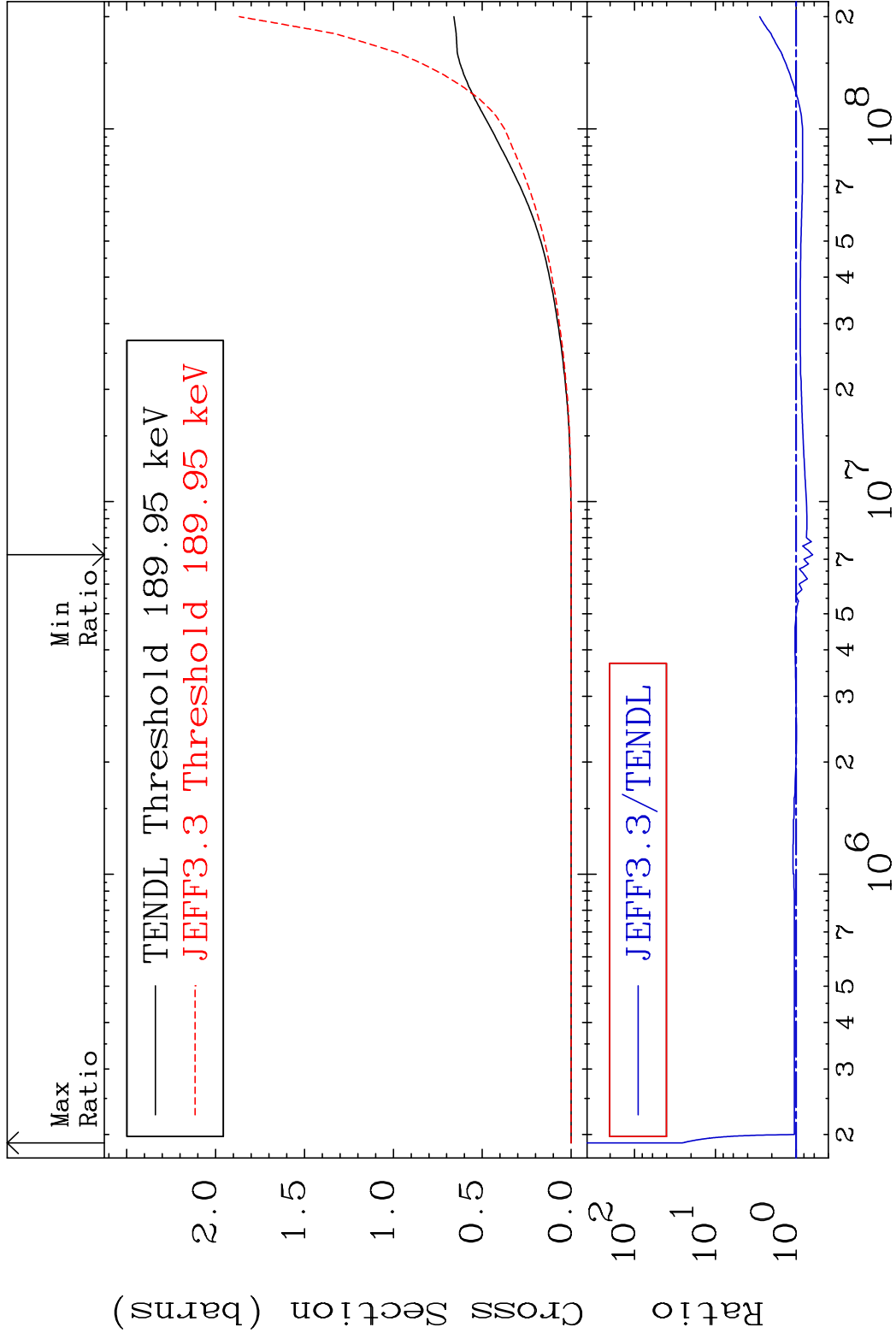
54-Xe-131

MAT 5446

Hydrogen Production

54-Xe-131

Cross Section -37.27 To 2459. %

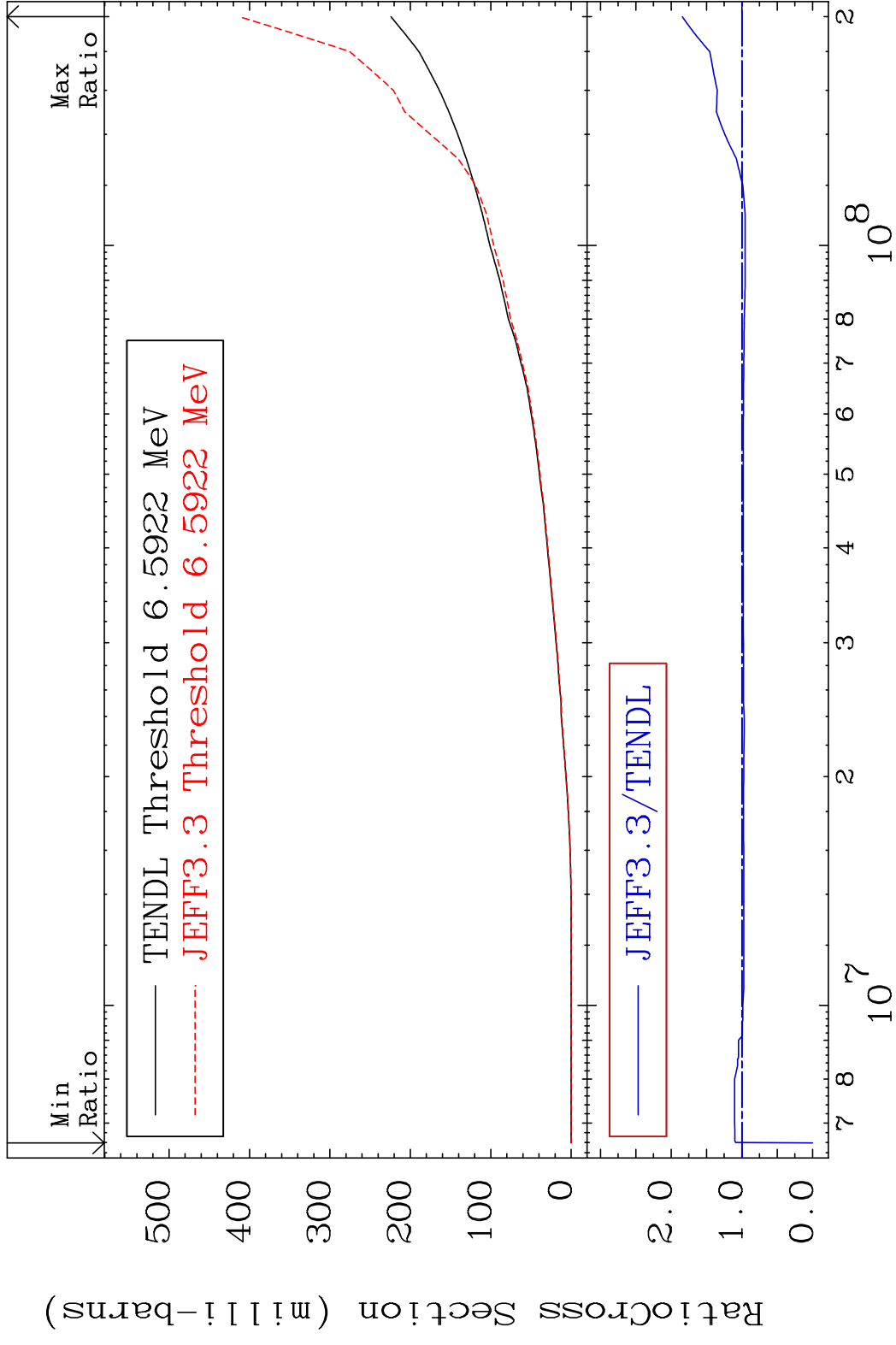


56

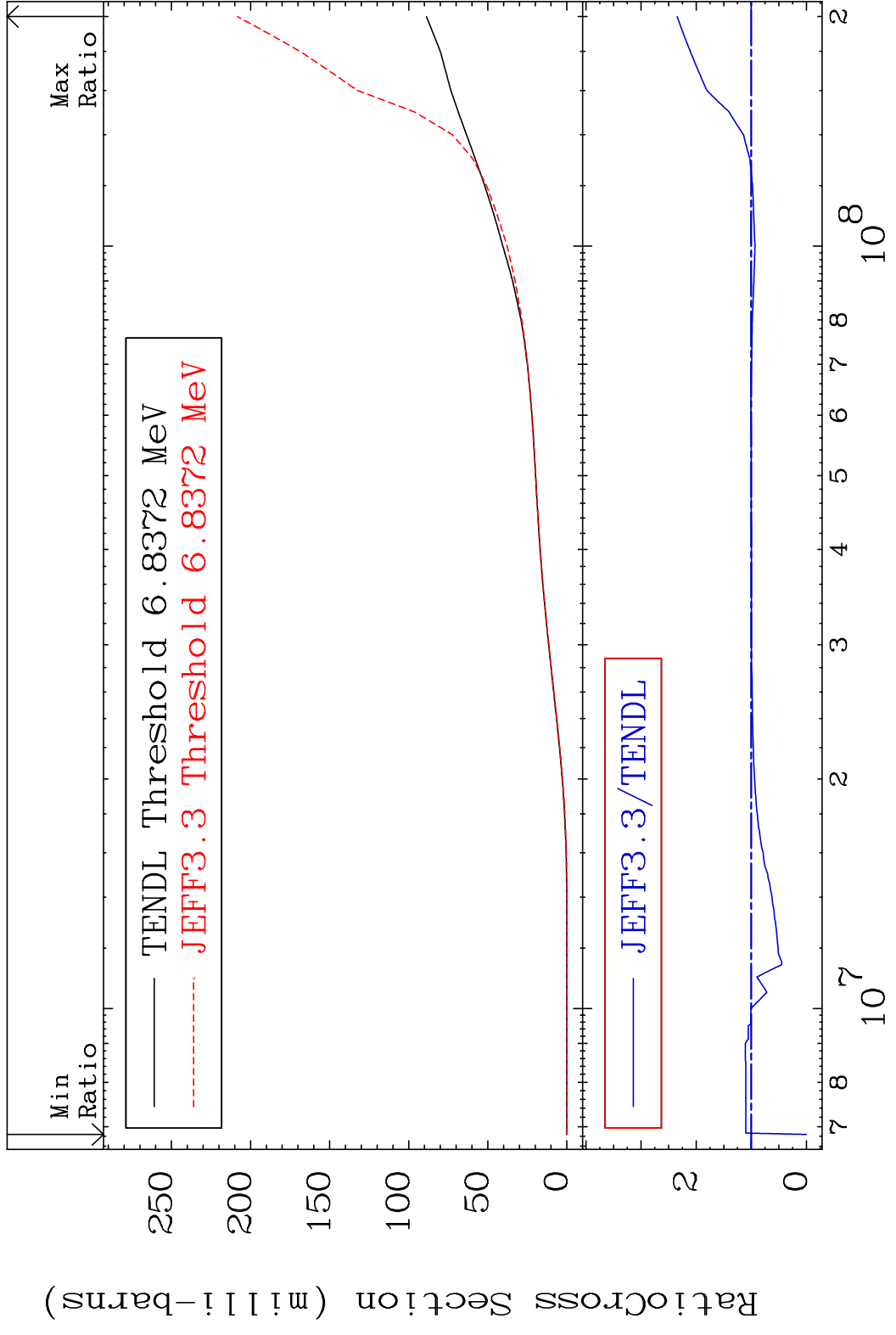
Incident Energy (eV)

54-Xe-131

MAT 5446 Deuterium Production 54-Xe-131
 Cross Section -100.0 To 84.22 %



MAT 5446 Tritium Production 54-Xe-131
 Cross Section -100.0 To 134.5 %

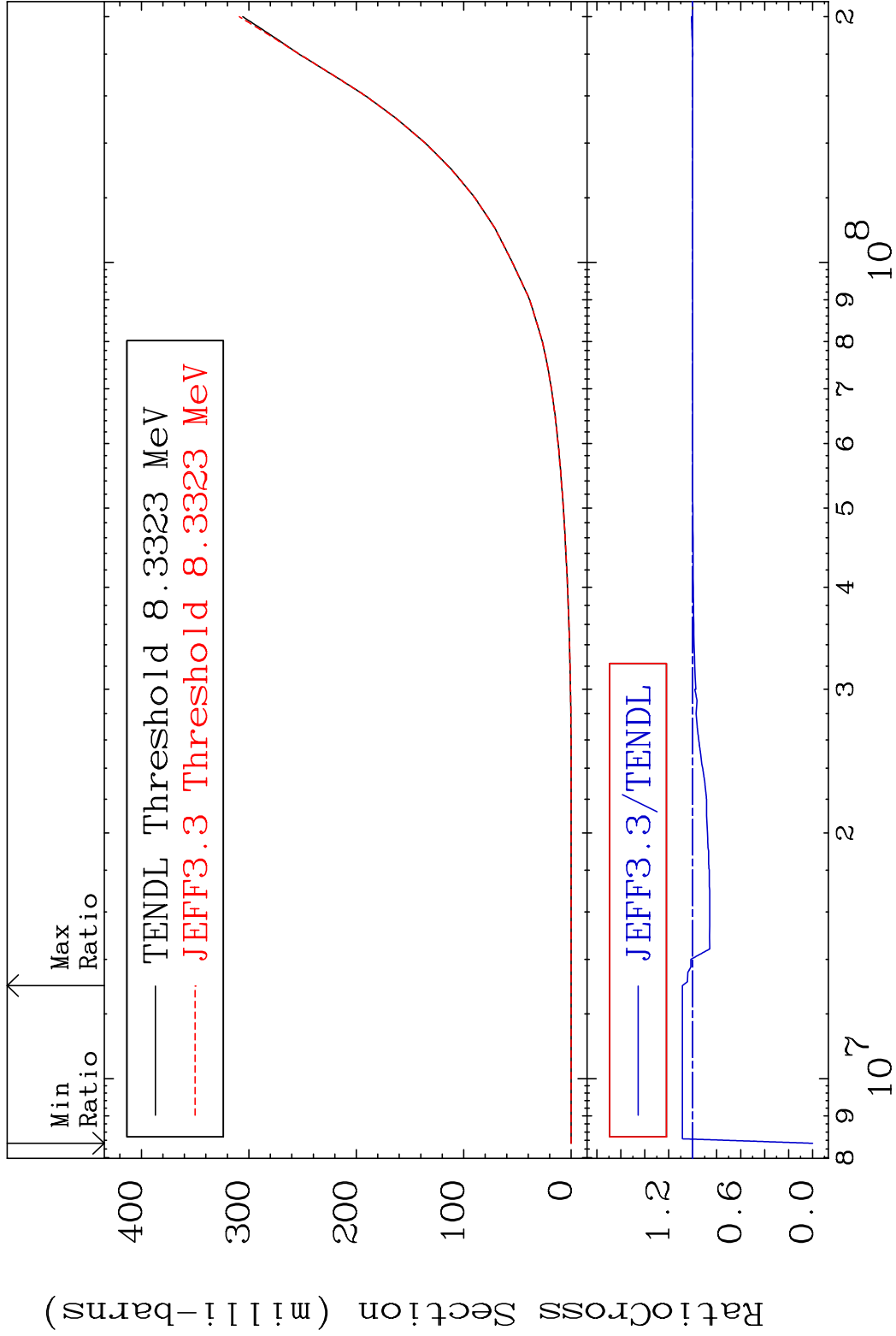


MAT 5446

He-3 Production

54-Xe-131

Cross Section -100.0 To 8.662 %



59

Incident Energy (eV)

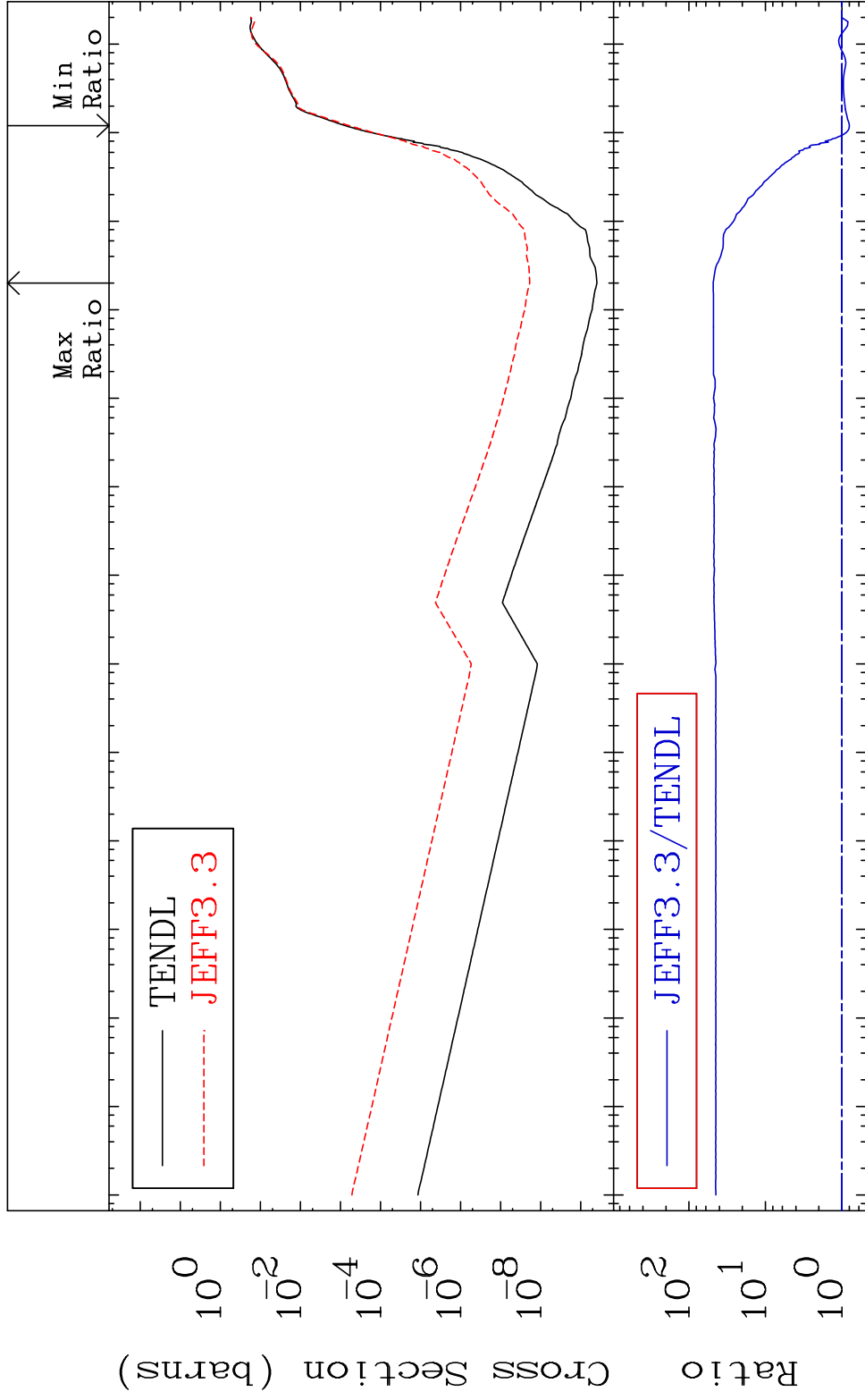
54-Xe-131

MAT 5446

He-4 Production

54-Xe-131

Cross Section -19.88 To 4721. %



Ratio

60

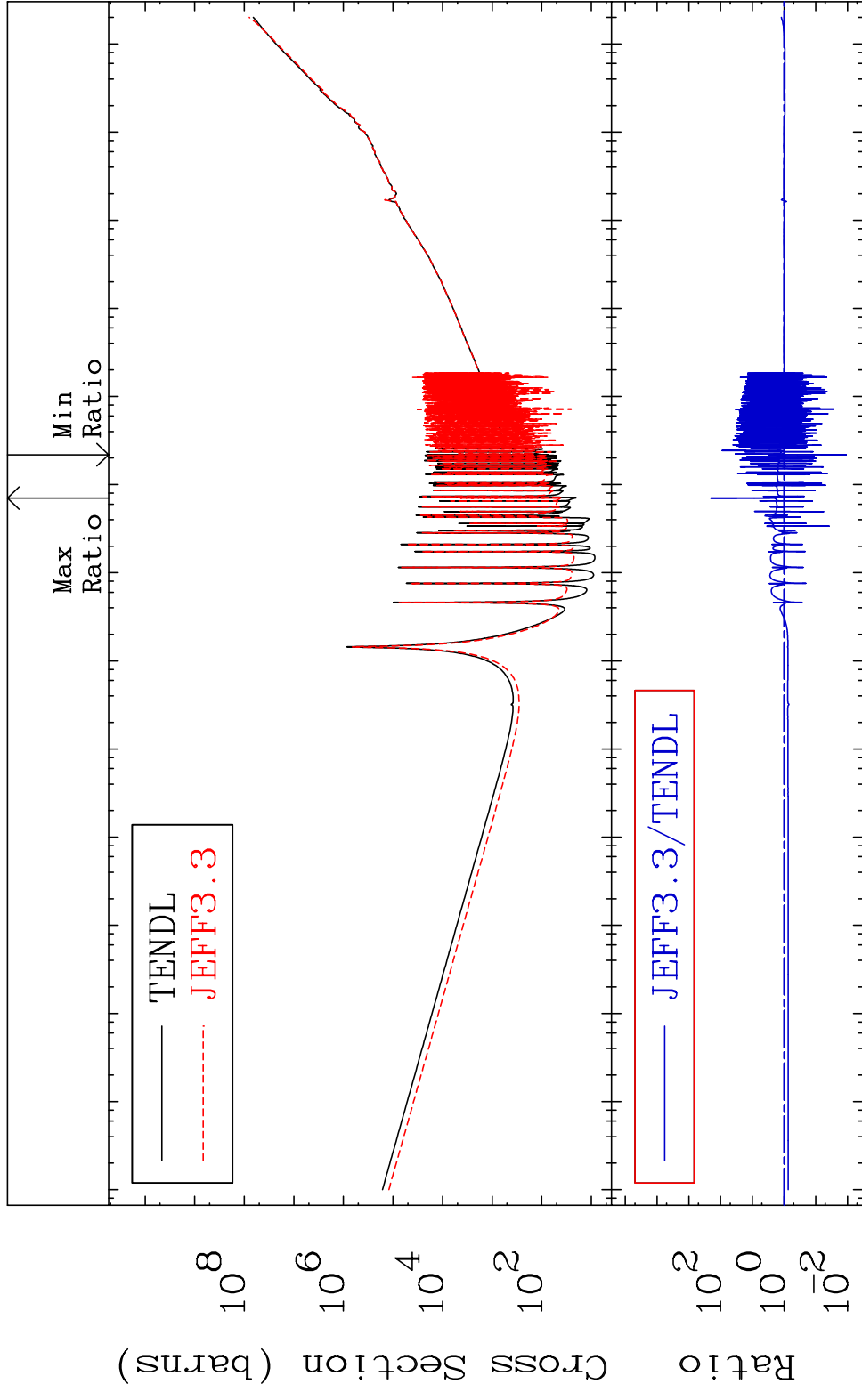
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma total (eV-barns) 54-Xe-131

Cross Section -98.91 To 9999. %



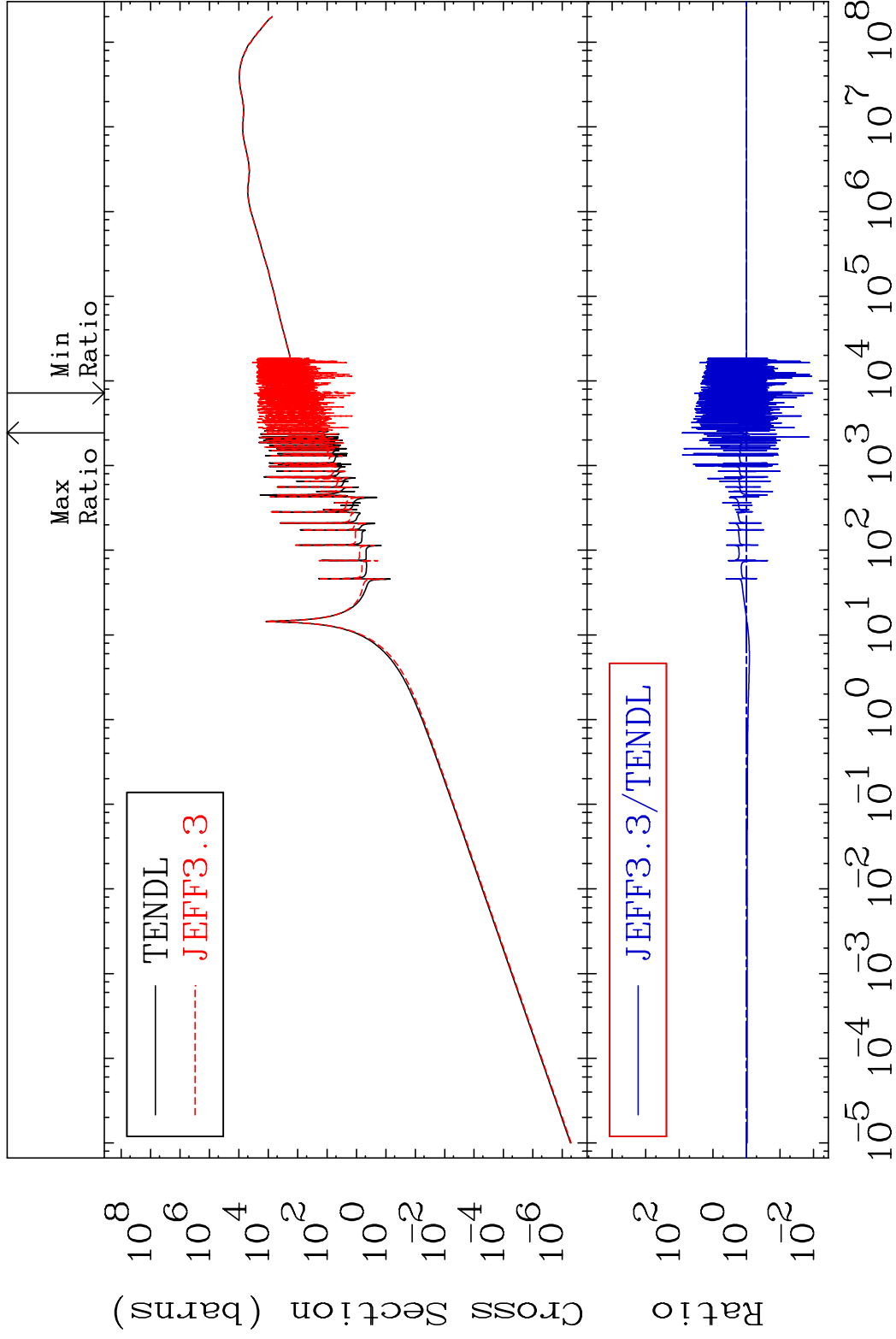
61

Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma elastic Cross Section -98.93 To 8010. %
54-Xe-131

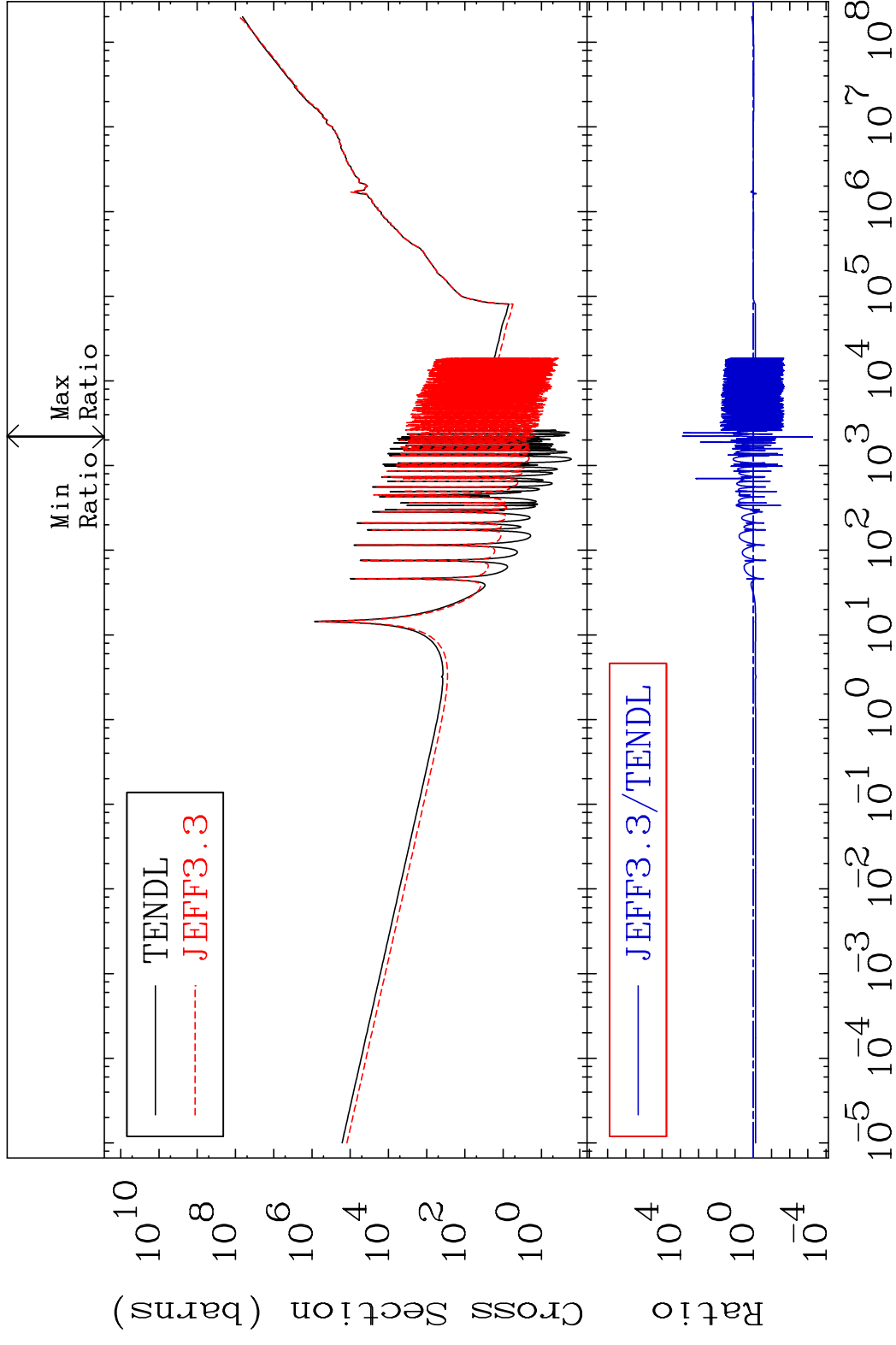


62

Incident Energy (eV)

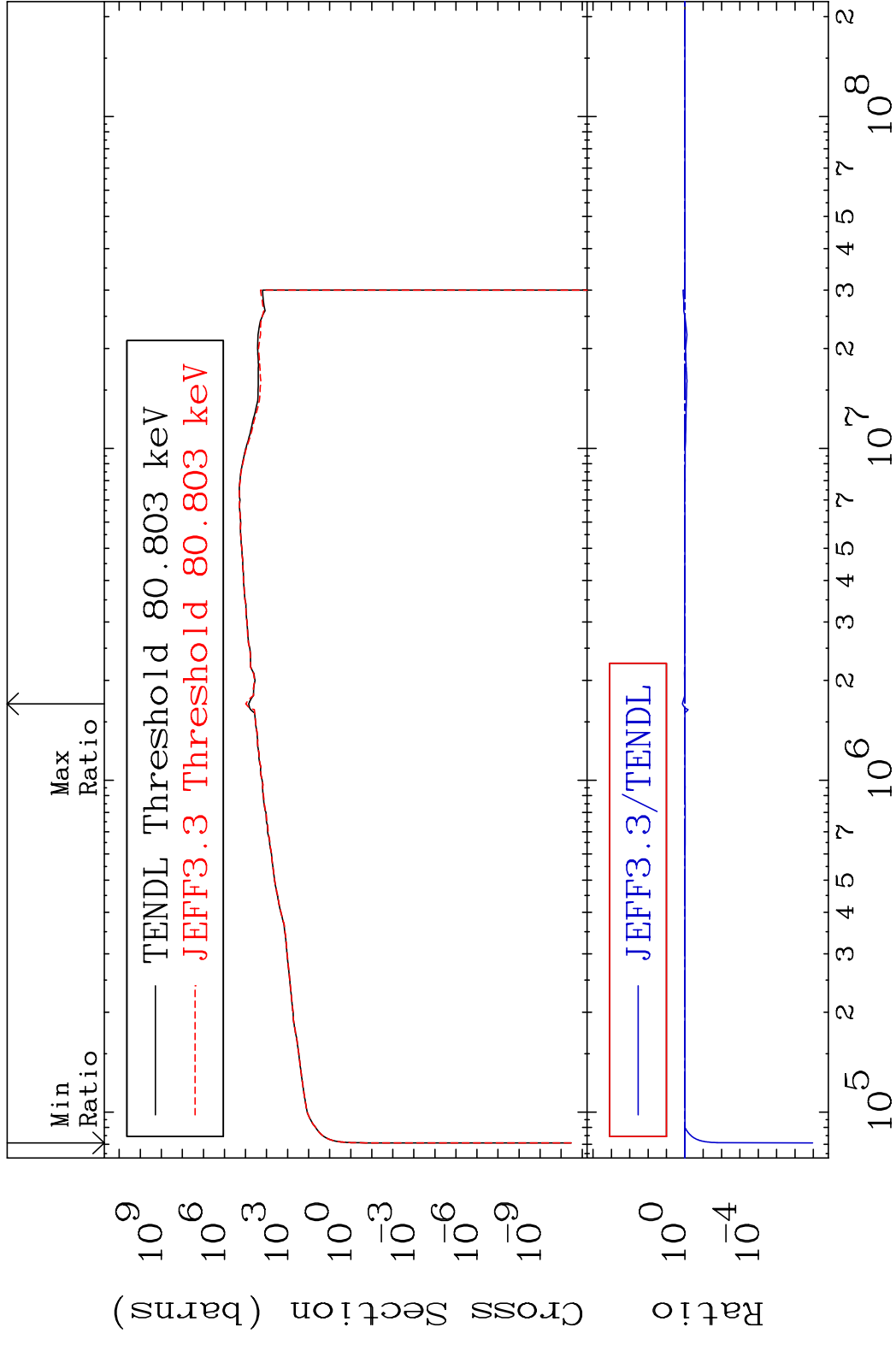
54-Xe-131

MAT 5446 Kerma non-elastic (all but mt2) 54-Xe-131
 Cross Section -99.94 To 9999. %

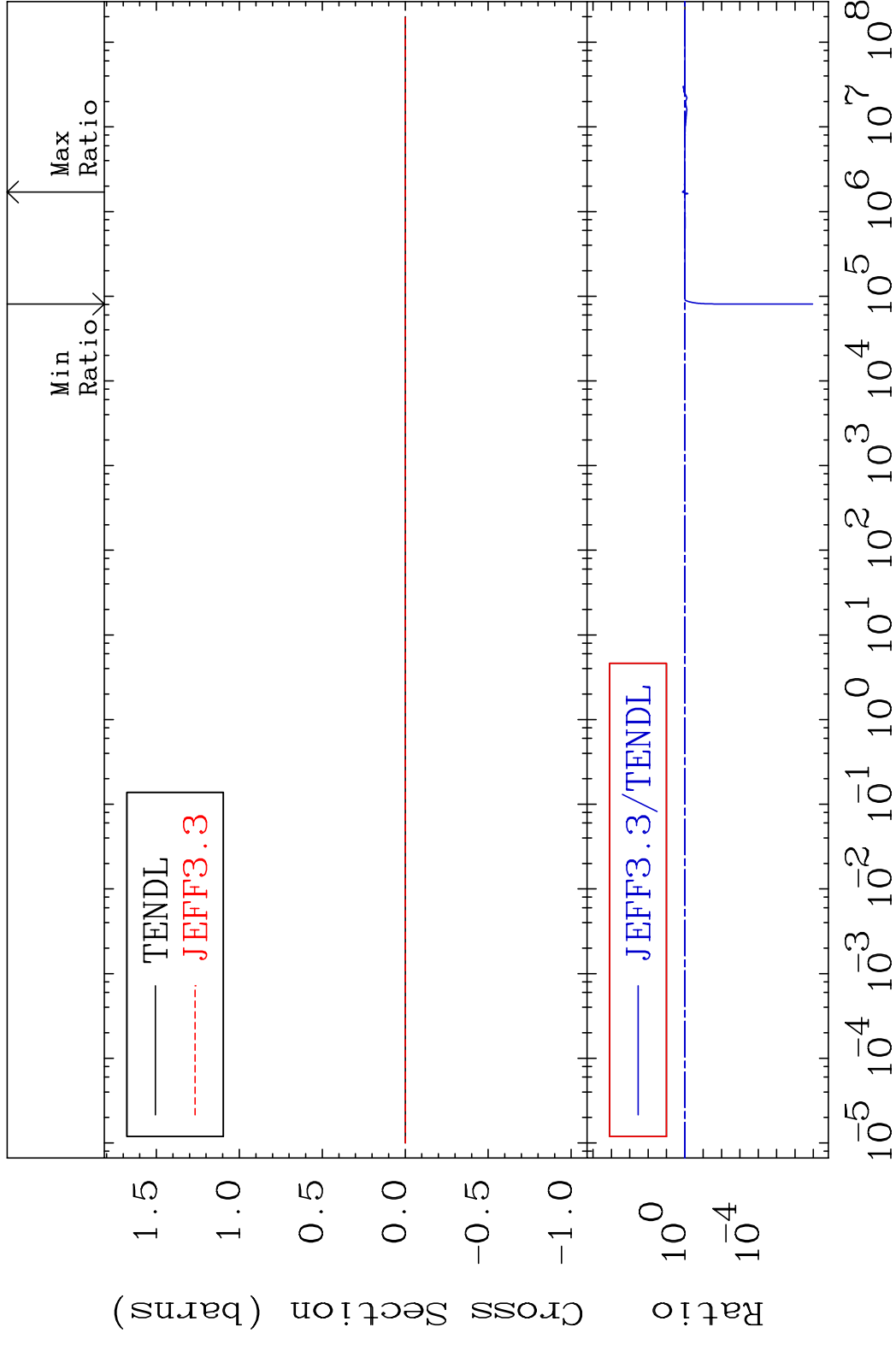


63 Incident Energy (eV) 54-Xe-131

MAT 5446 Kerma inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 36.08 %



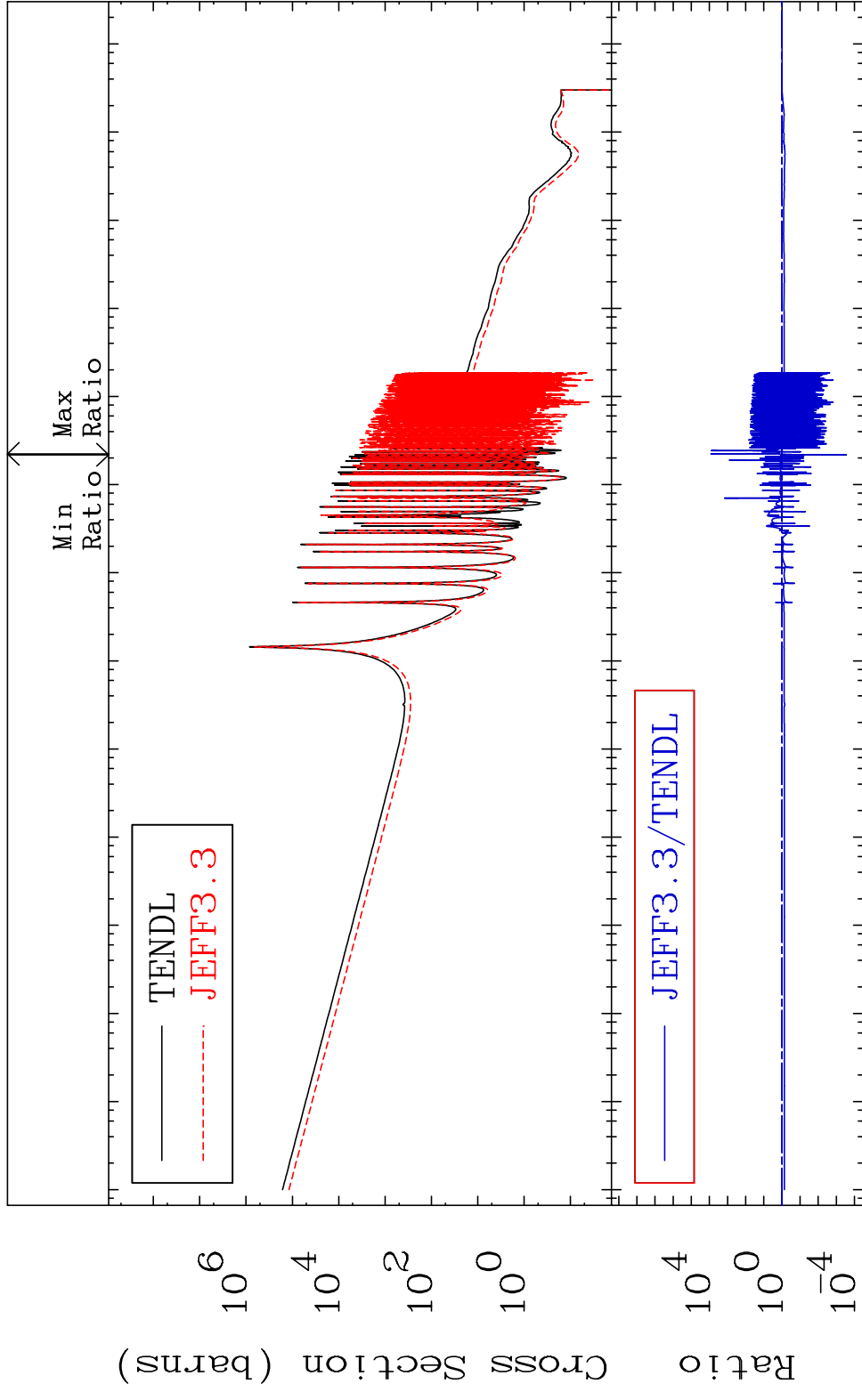
MAT 5446 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-131
 Cross Section -100.0 To 36.08 %



MAT 5446

Kerma capture (mt102) 54-Xe-131

Cross Section -99.97 To 9999. %



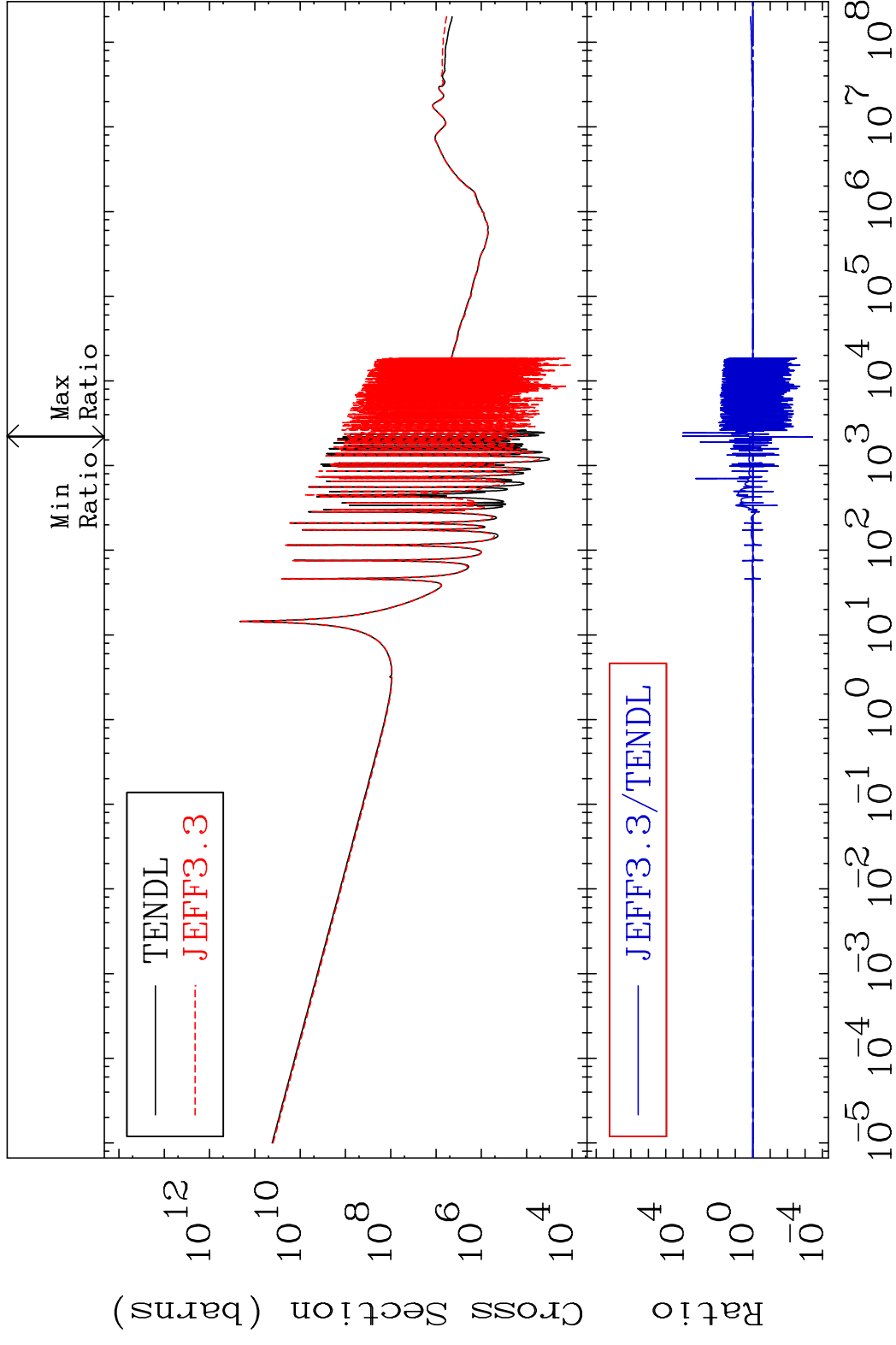
66

Incident Energy (eV)

54-Xe-131

MAT 5446

Total photon (eV-barns) 54-Xe-131
Cross Section -99.96 To 9999. %

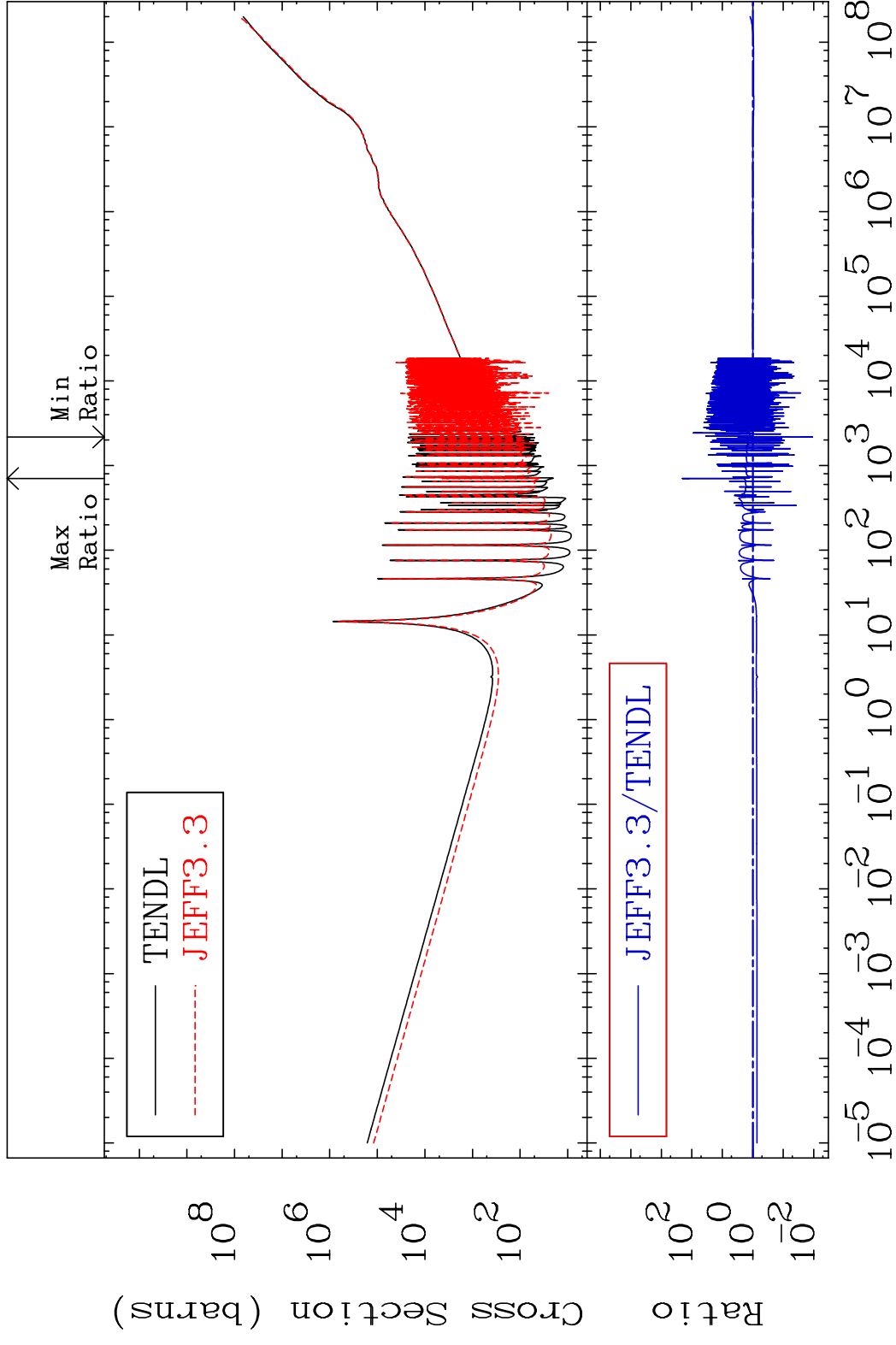


67

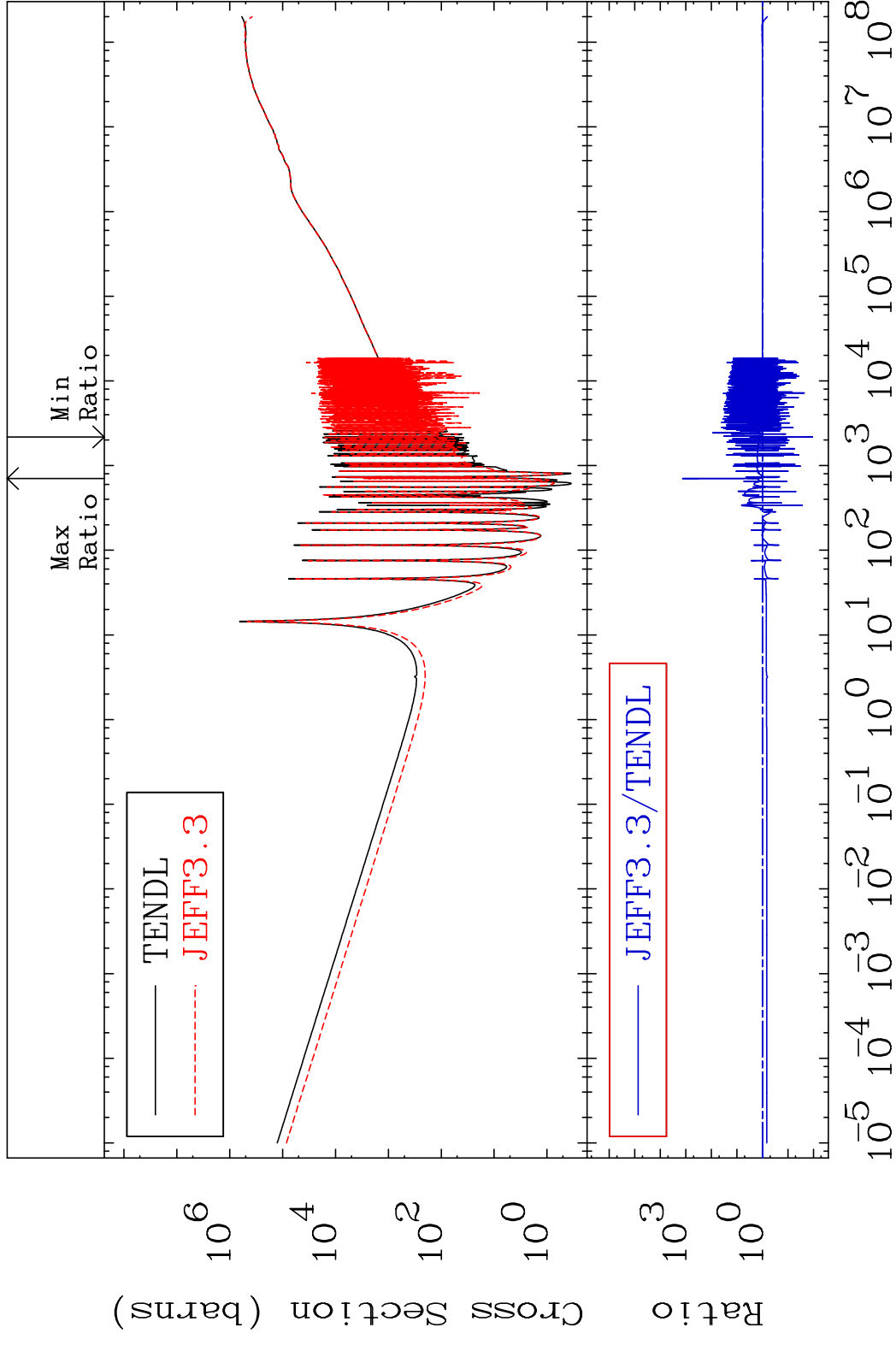
Incident Energy (eV)

54-Xe-131

MAT 5446 Total kinematic kerma (high limit) 54-Xe-131
 Cross Section -98.91 To 9999. %



MAT 5446 Dpa total (eV-barns) 54-Xe-131
 Cross Section -98.92 To 9999. %

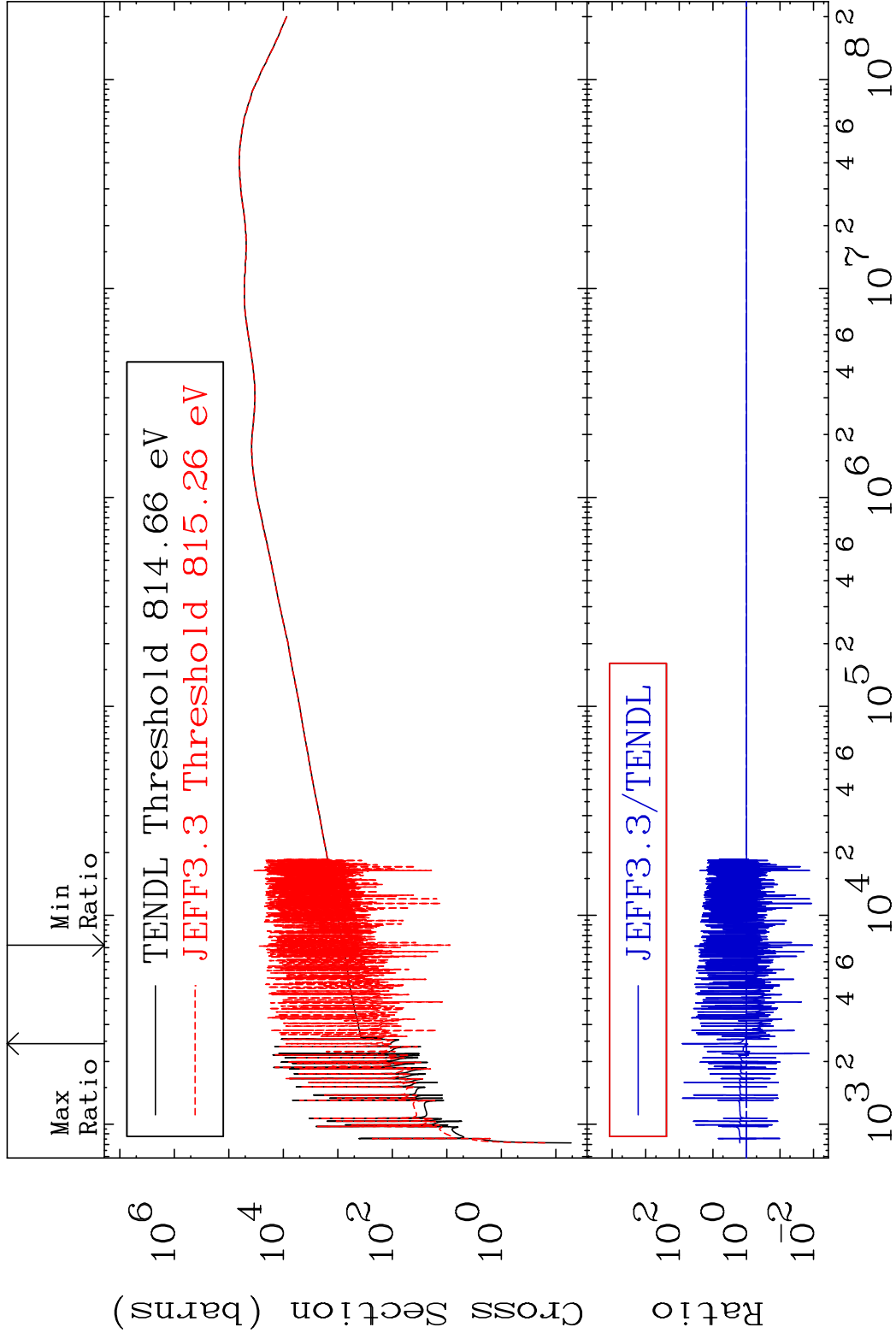


MAT 5446

Dpa elastic (mt2)

54-Xe-131

Cross Section -98.93 To 8010. %

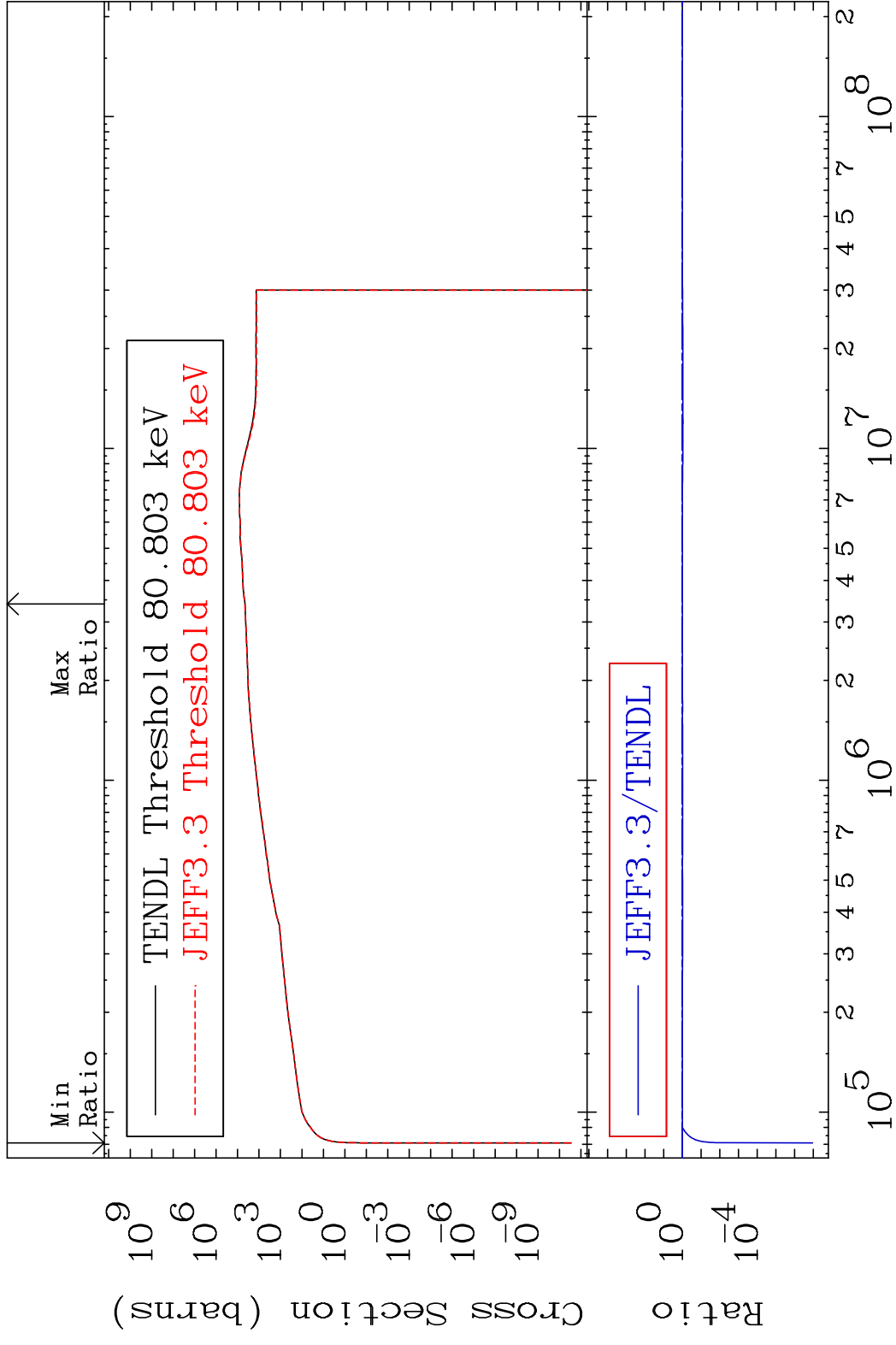


70

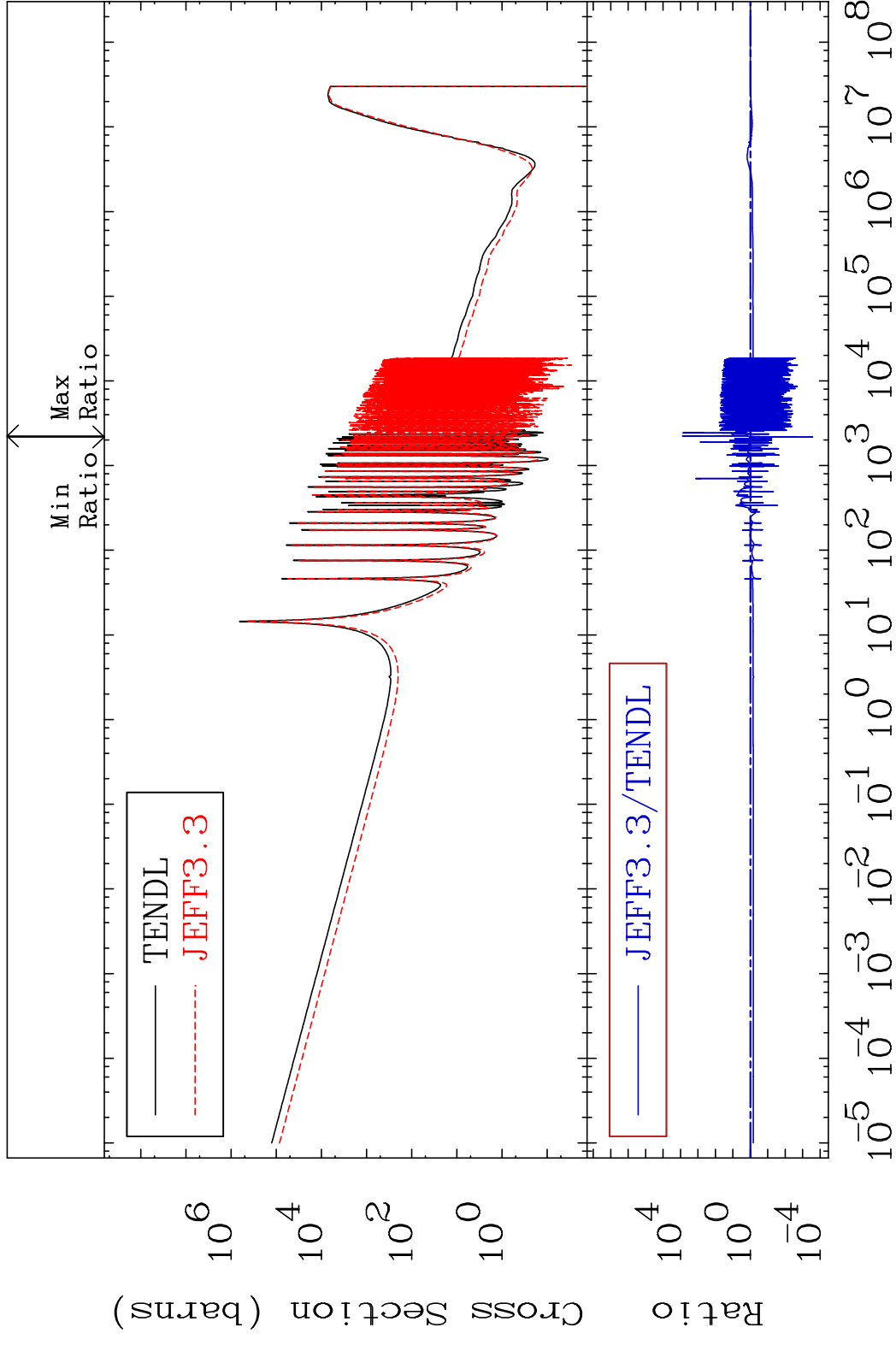
Incident Energy (eV)

54-Xe-131

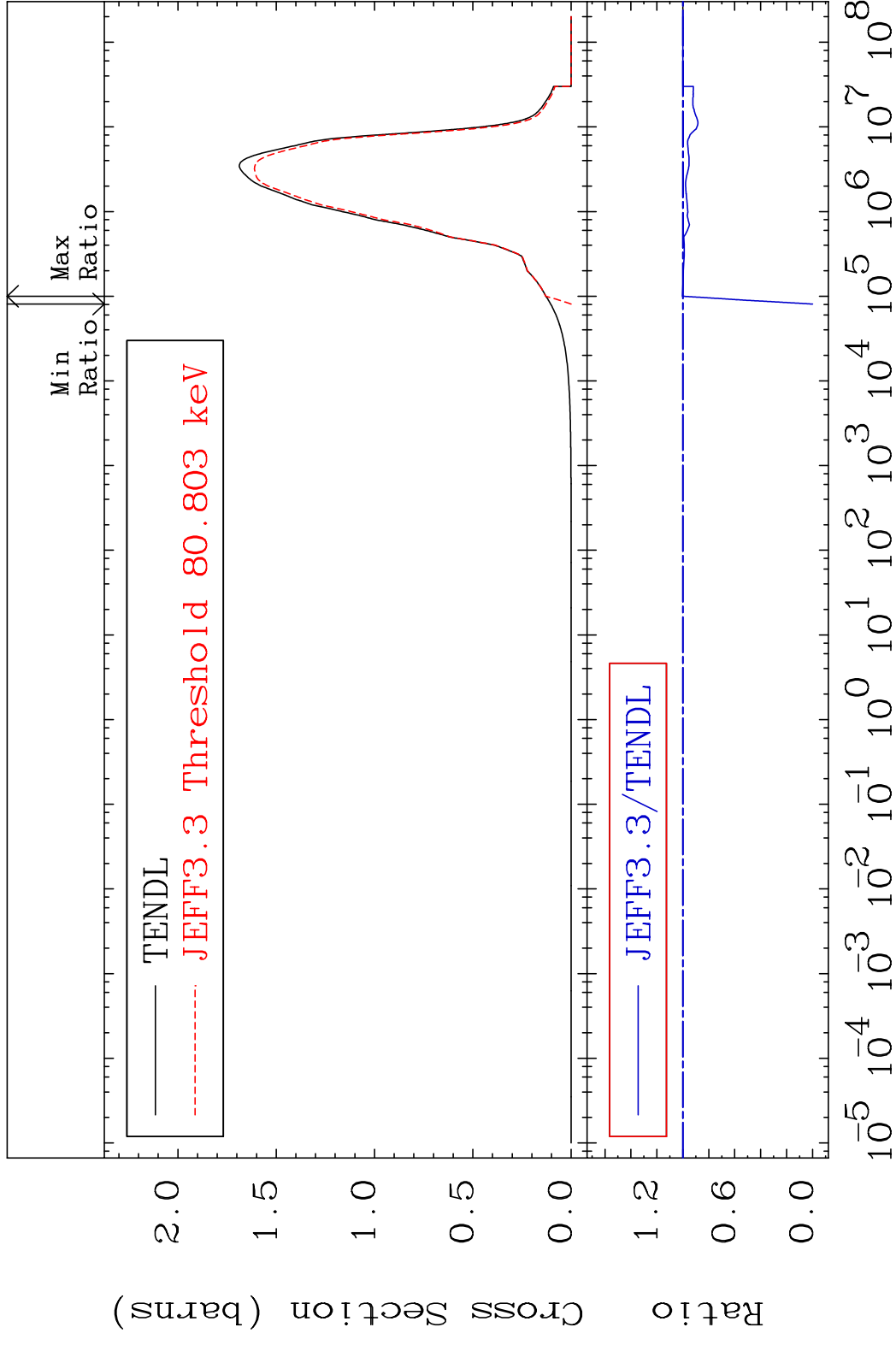
MAT 5446 Dpa inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 0.760 %



MAT 5446 Dpa disappearance (mt102 -120) 54-Xe-131
 Cross Section -99.97 To 9999. %

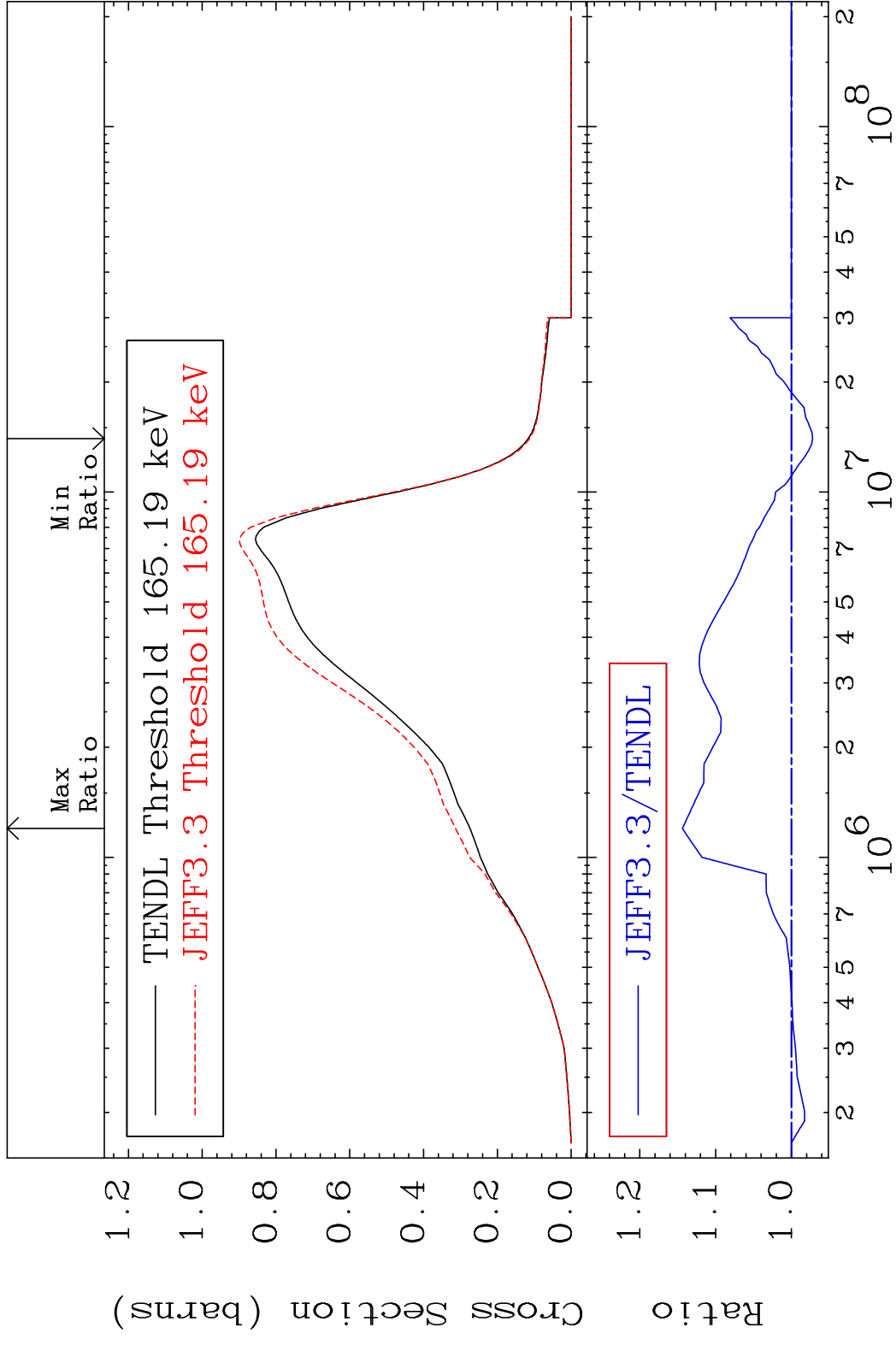


MAT 5446 Inelastic:54-Xe-131g 54-Xe-131
 Radionuclide Production Cross Section Ratio 0.357 %

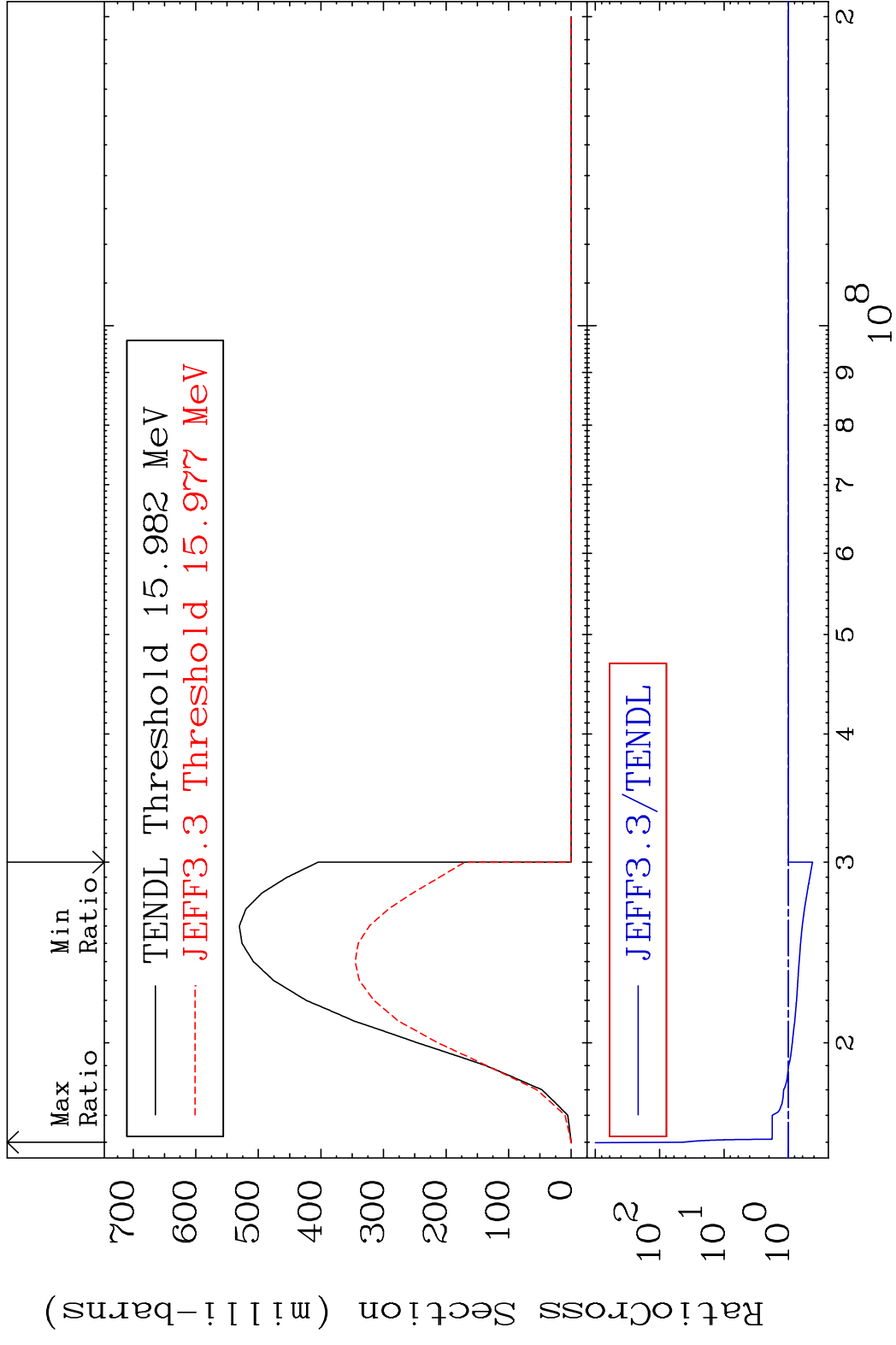


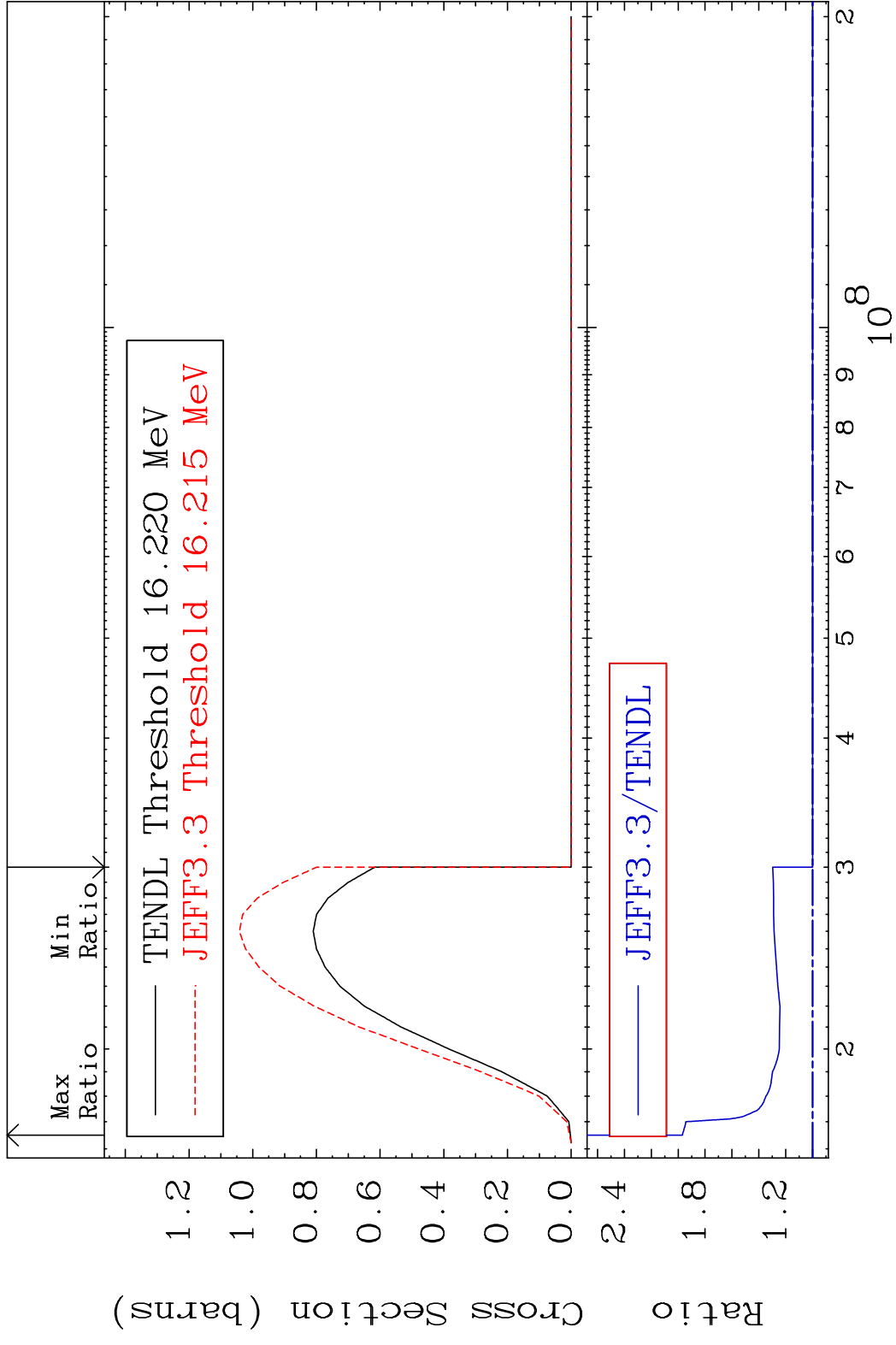
73 Incident Energy (eV) 54-Xe-131

MAT 5446 Inelastic:54-Xe-131m2 54-Xe-131
 Radionuclide Production Cross Section 14.38 %

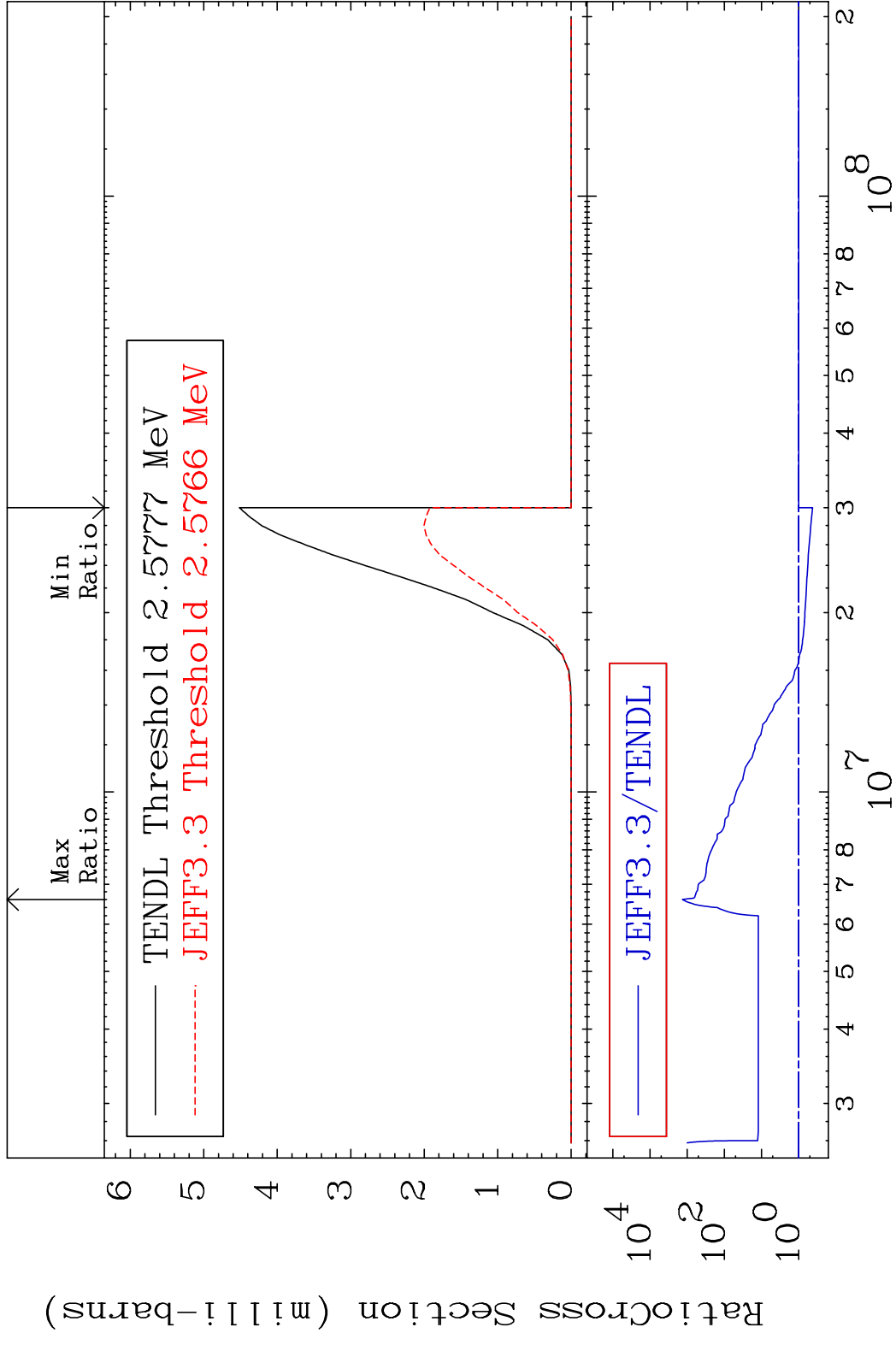


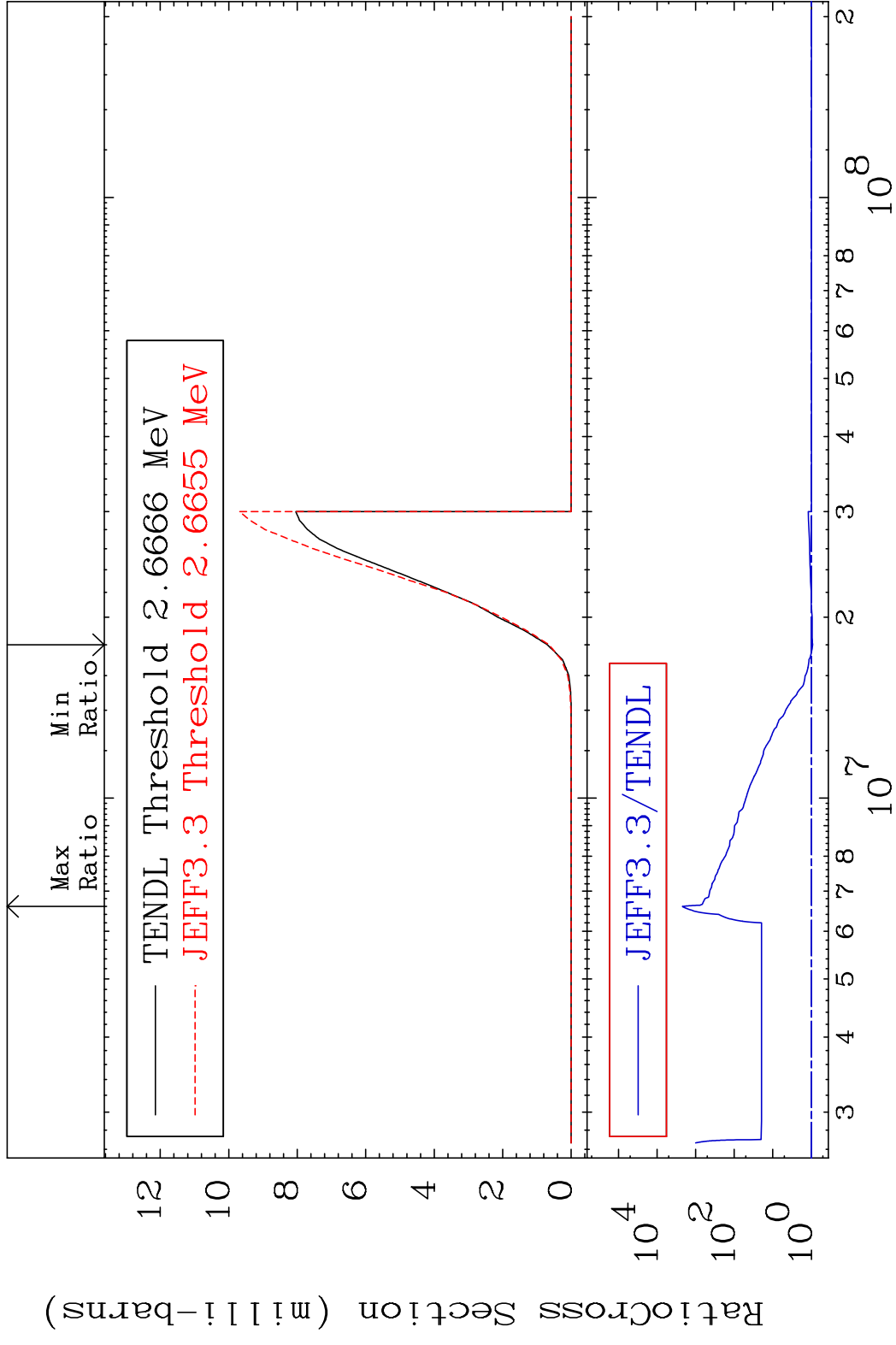
MAT 5446 (n,3n):54-Xe-129g 54-Xe-131
 Radionuclide Production Cross Section 54Xe-131 4342. %

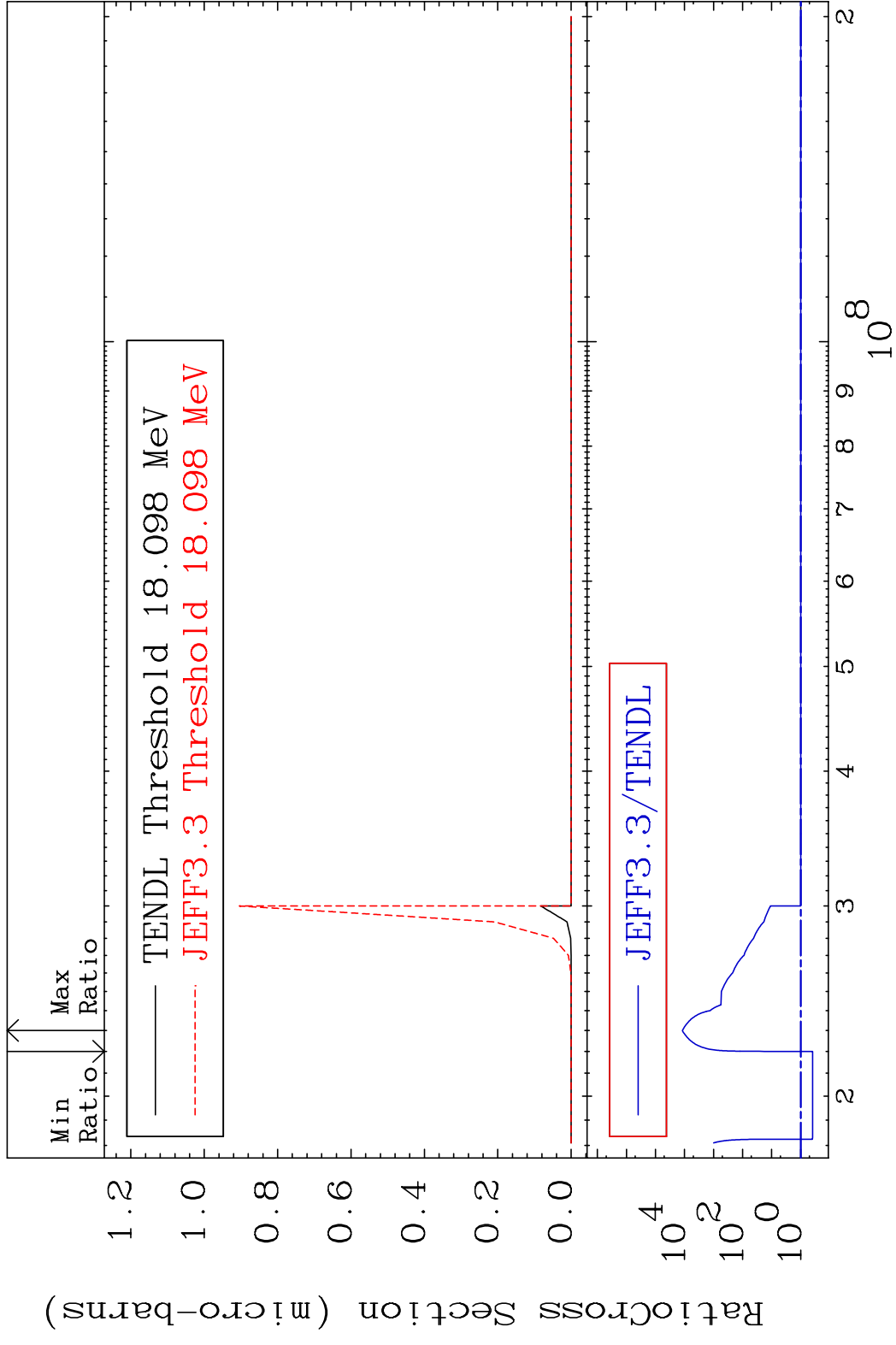




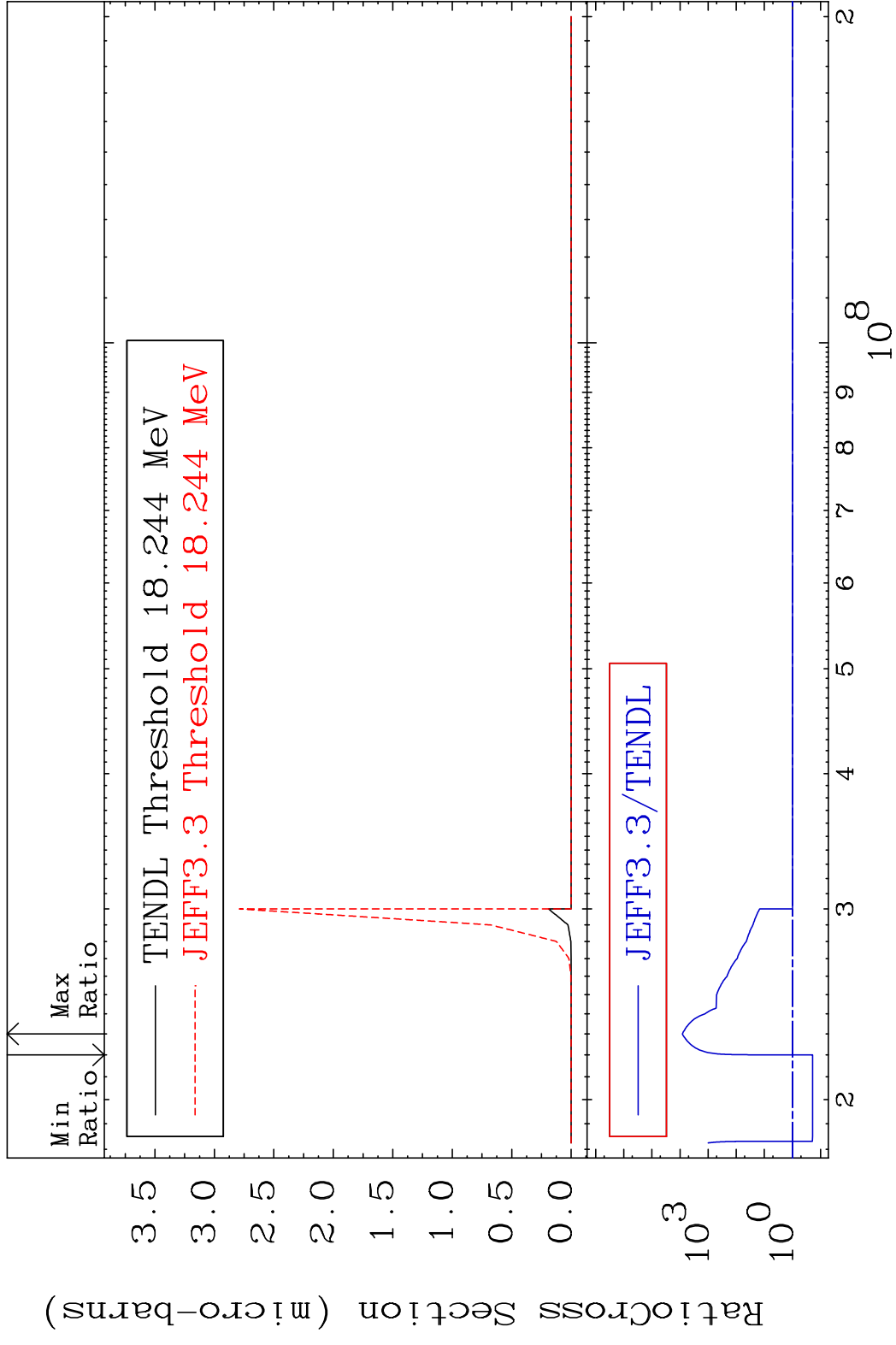
MAT 5446 (n, n') α :52-Te-127g 54-Xe-131
 Radionuclide Production Cross Section 5446 to 9999. %



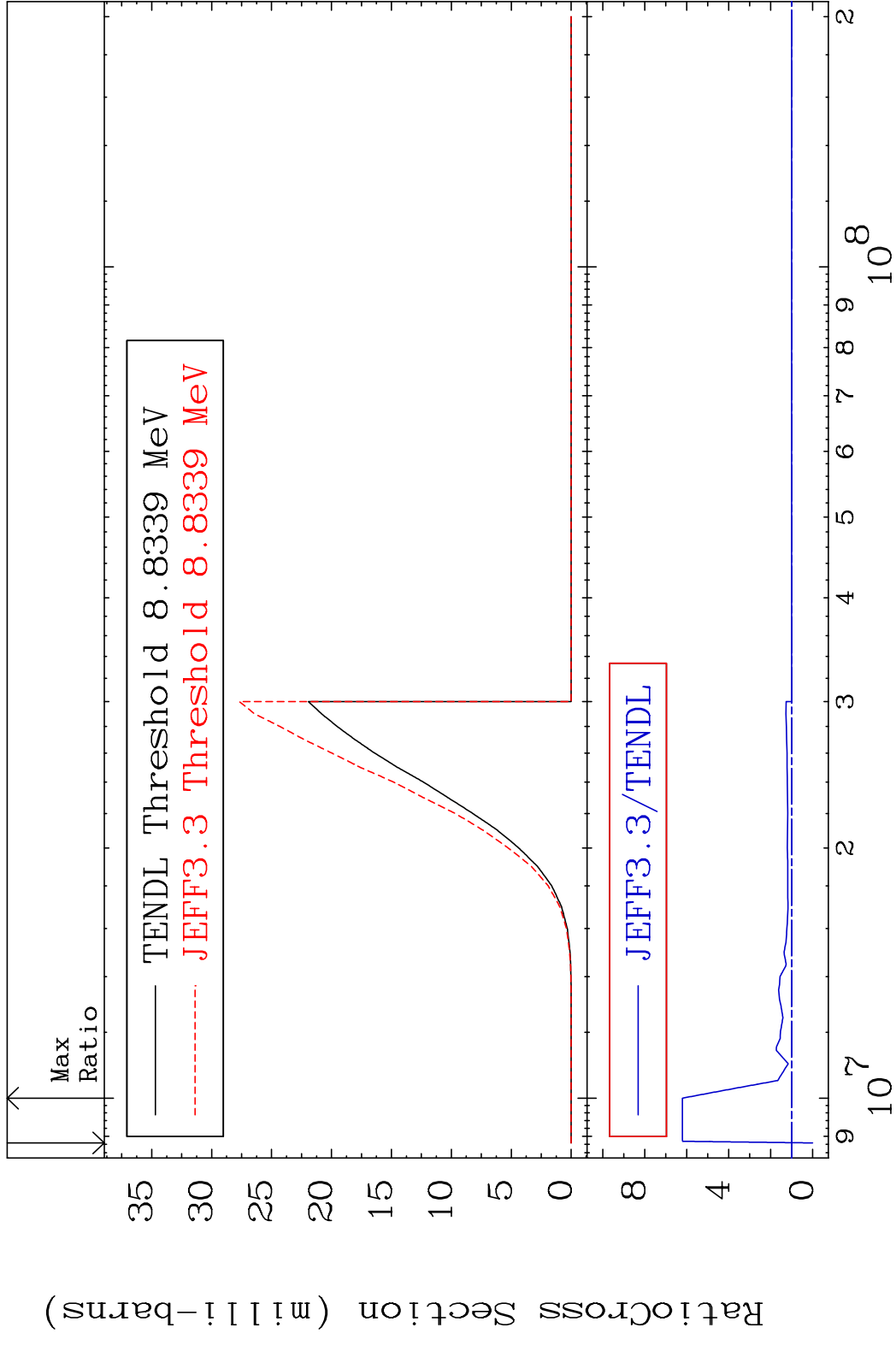




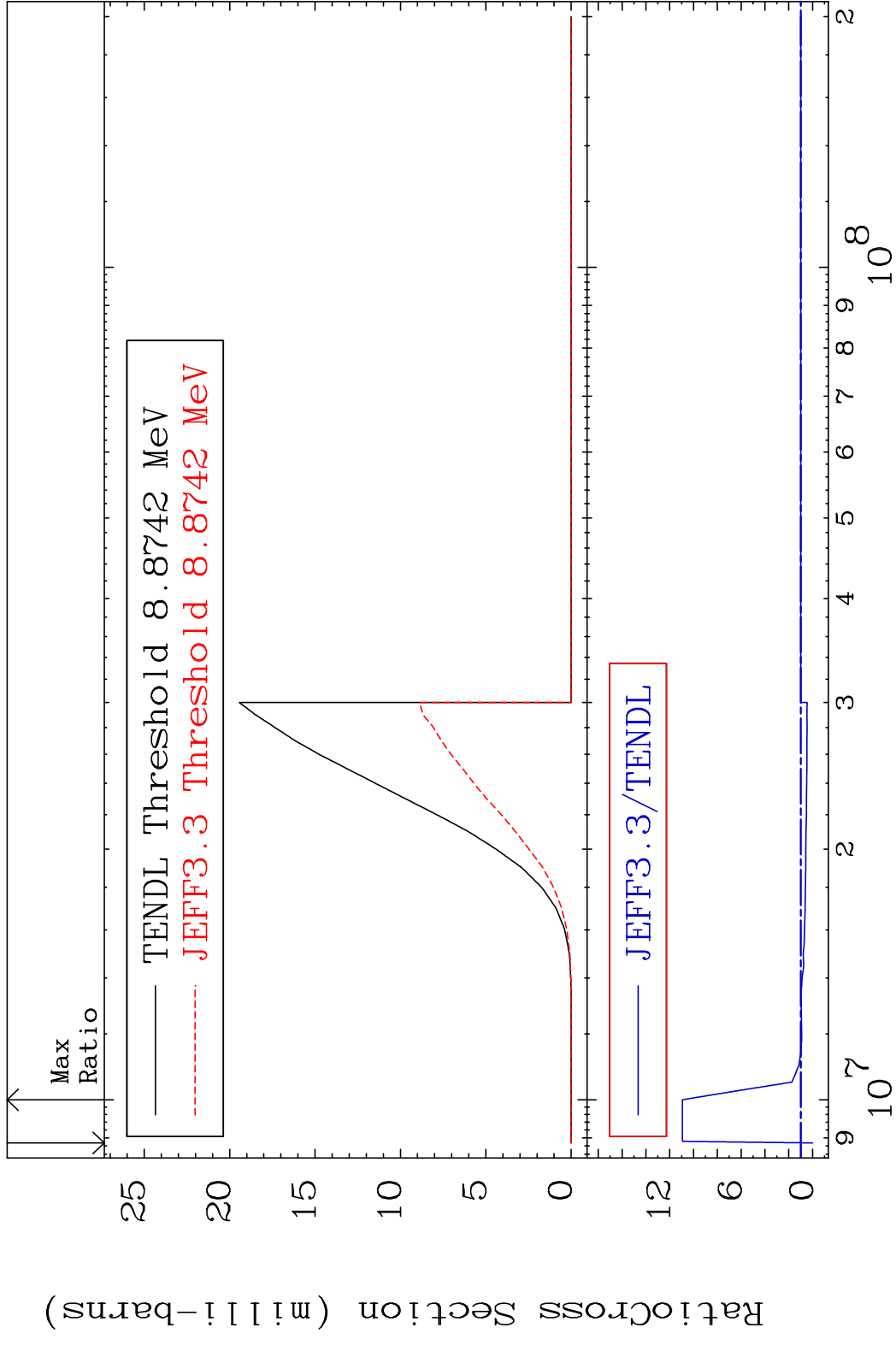
MAT 5446 (n,3n) α :52-Te-125m2 54-Xe-131
 Radionuclide Production Cross Section to 9999. %



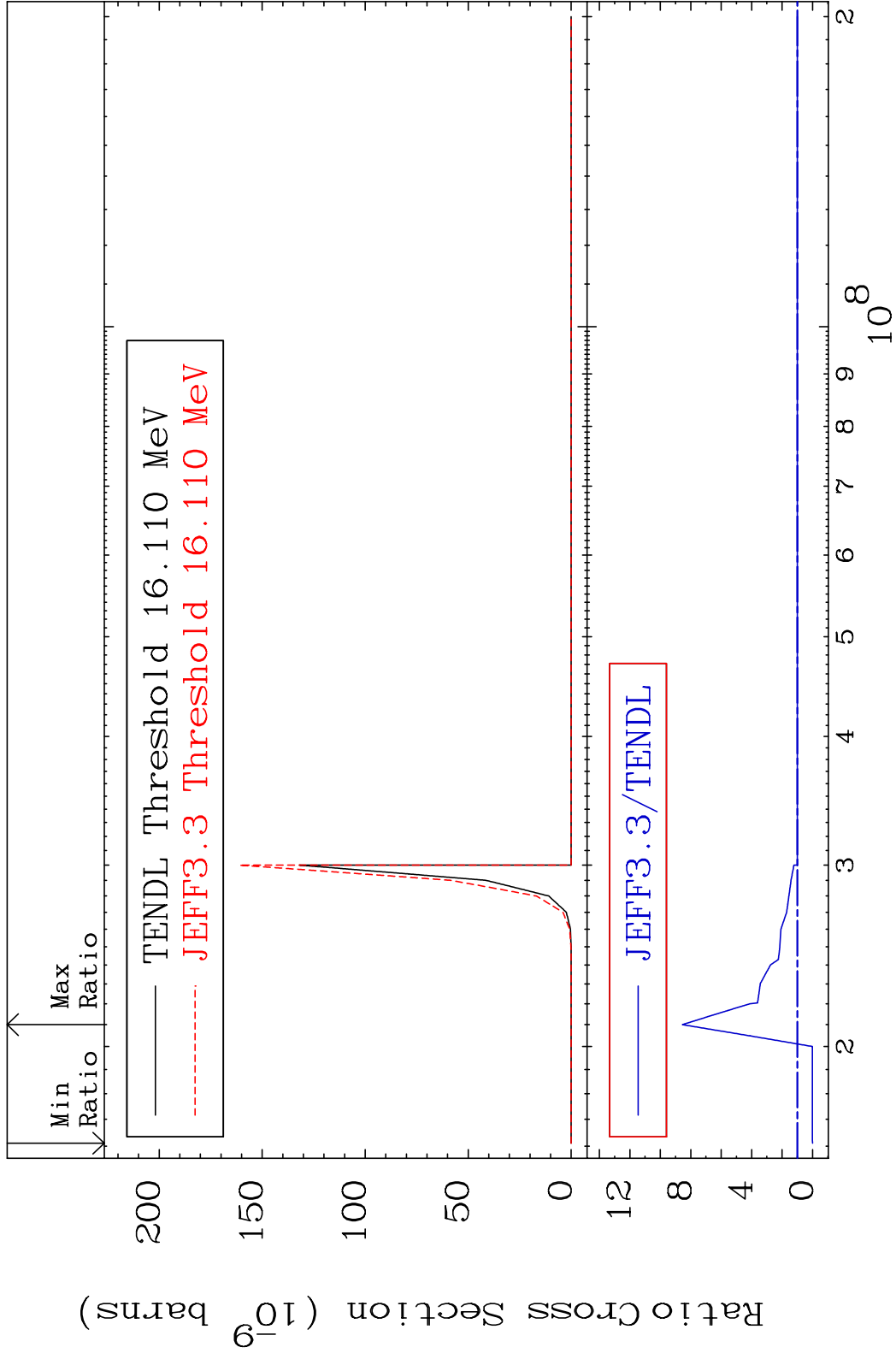
MAT 5446 (n, n') p:53-I -130g 54-Xe-131
 Radionuclide Production Cross Section 180.0 dth 520.7 %



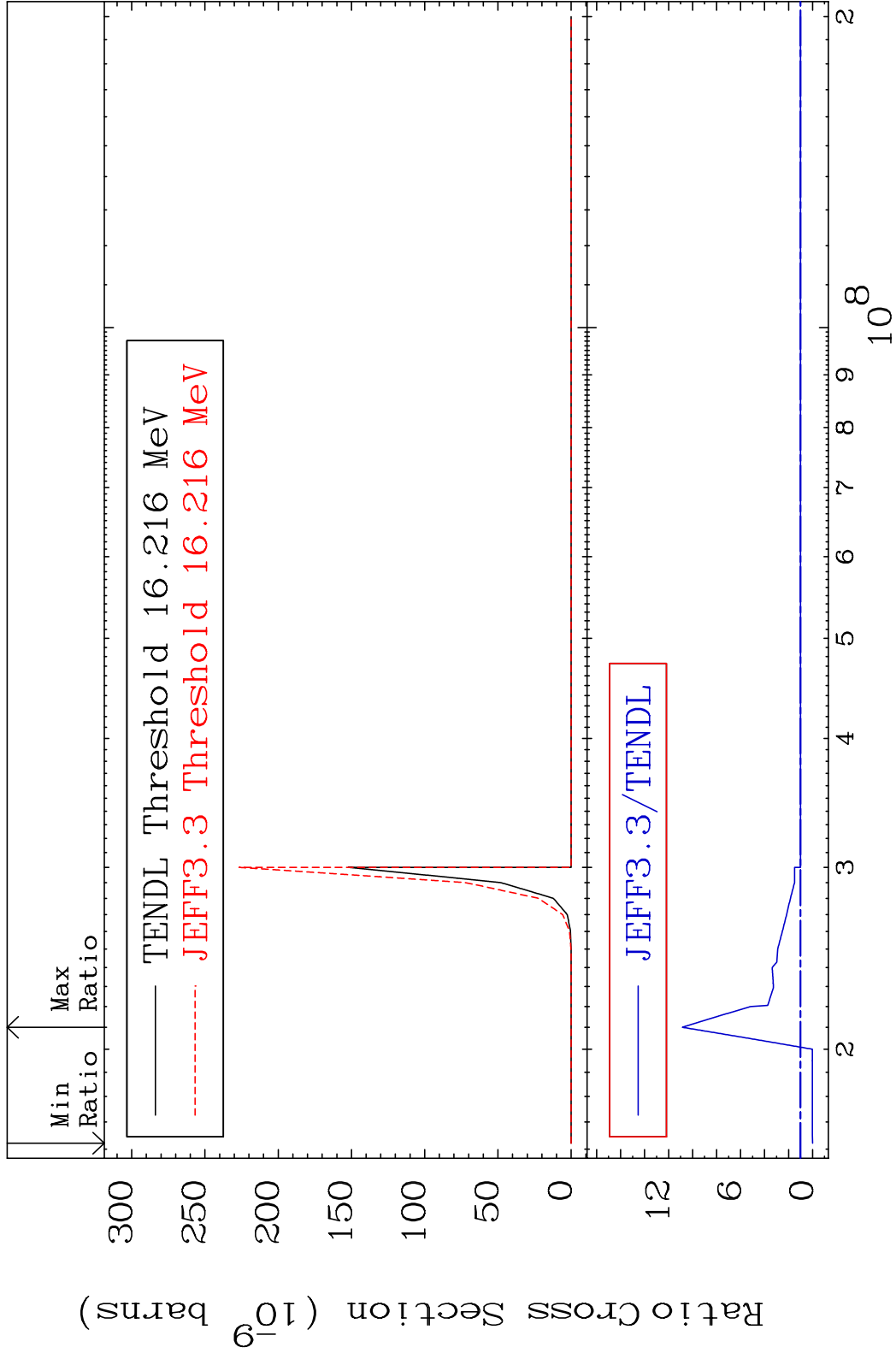
MAT 5446 (n, n') p:53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section 1800 d to 993.8 %

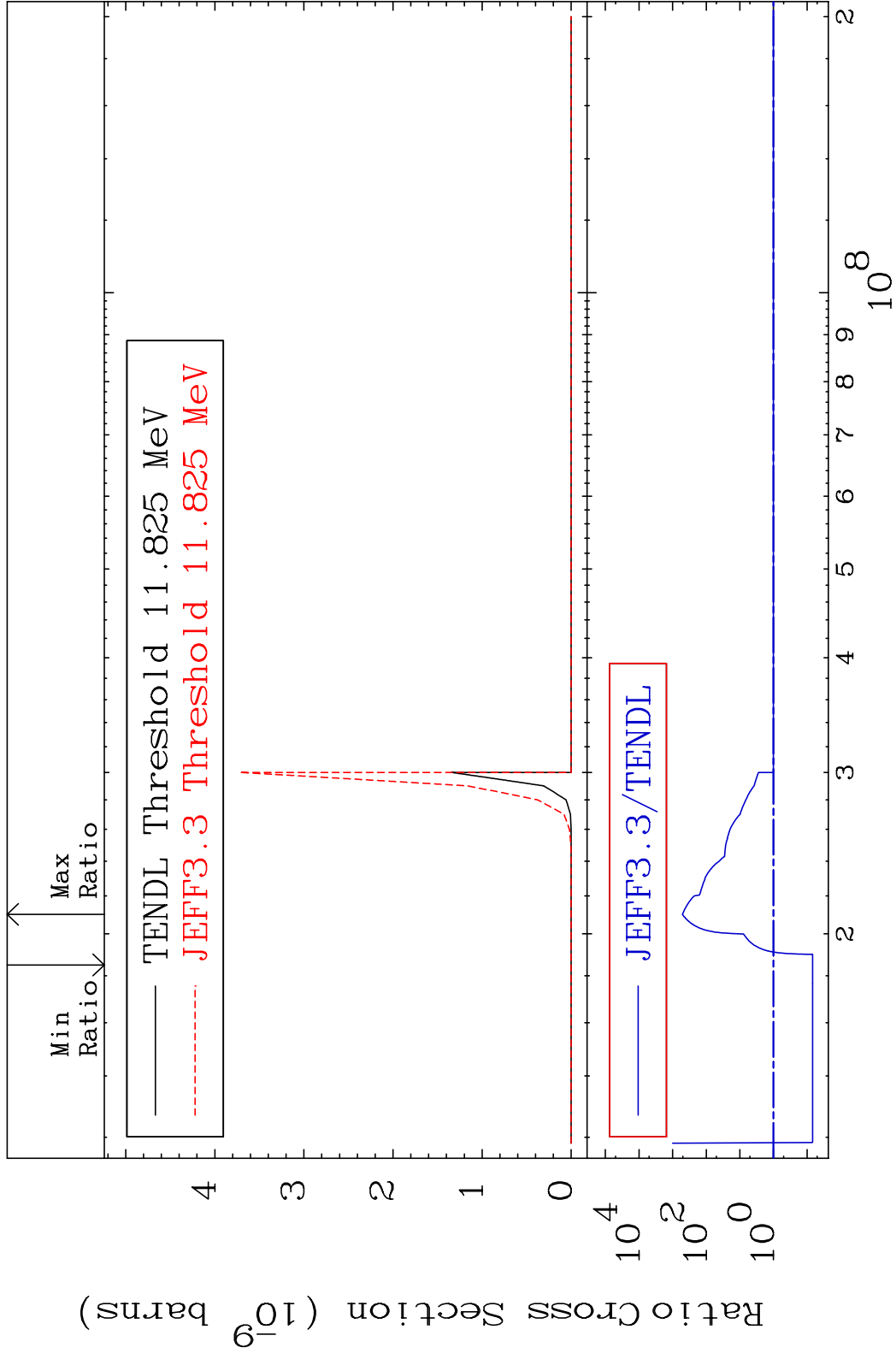


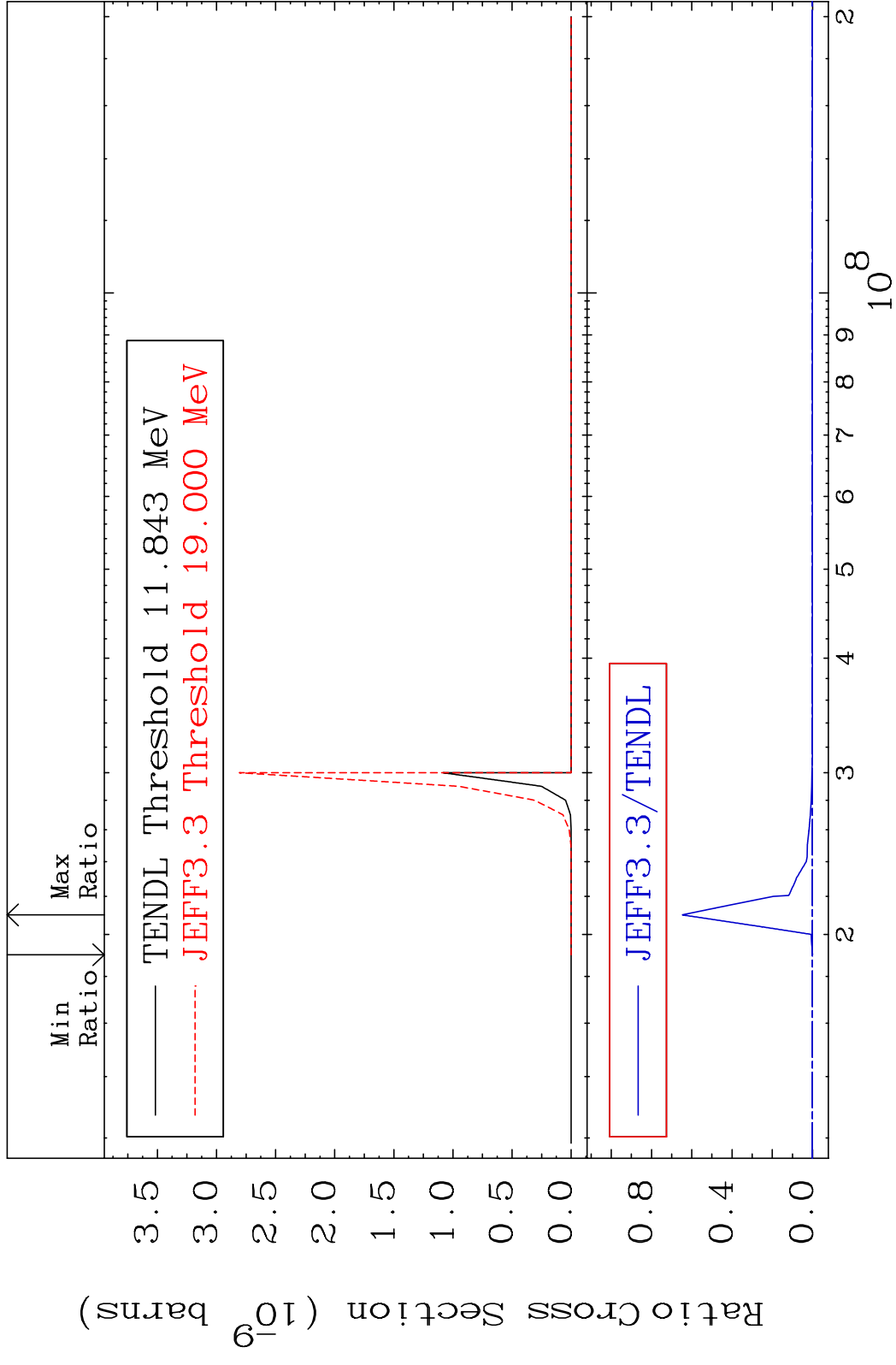
MAT 5446 (n,2n) p:52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dtd 755.1 %



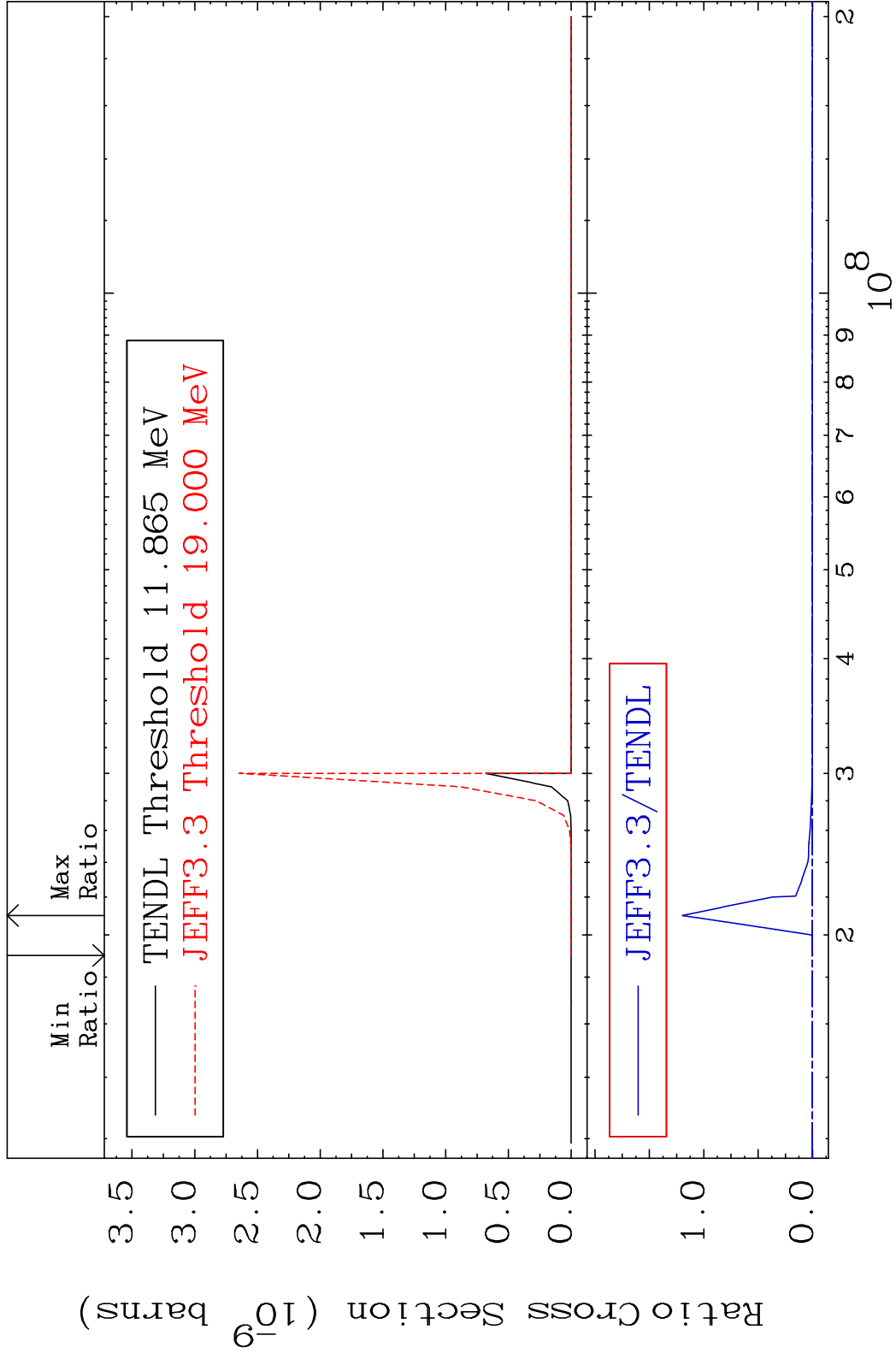
MAT 5446 (n,2n) p:52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 985.3 %



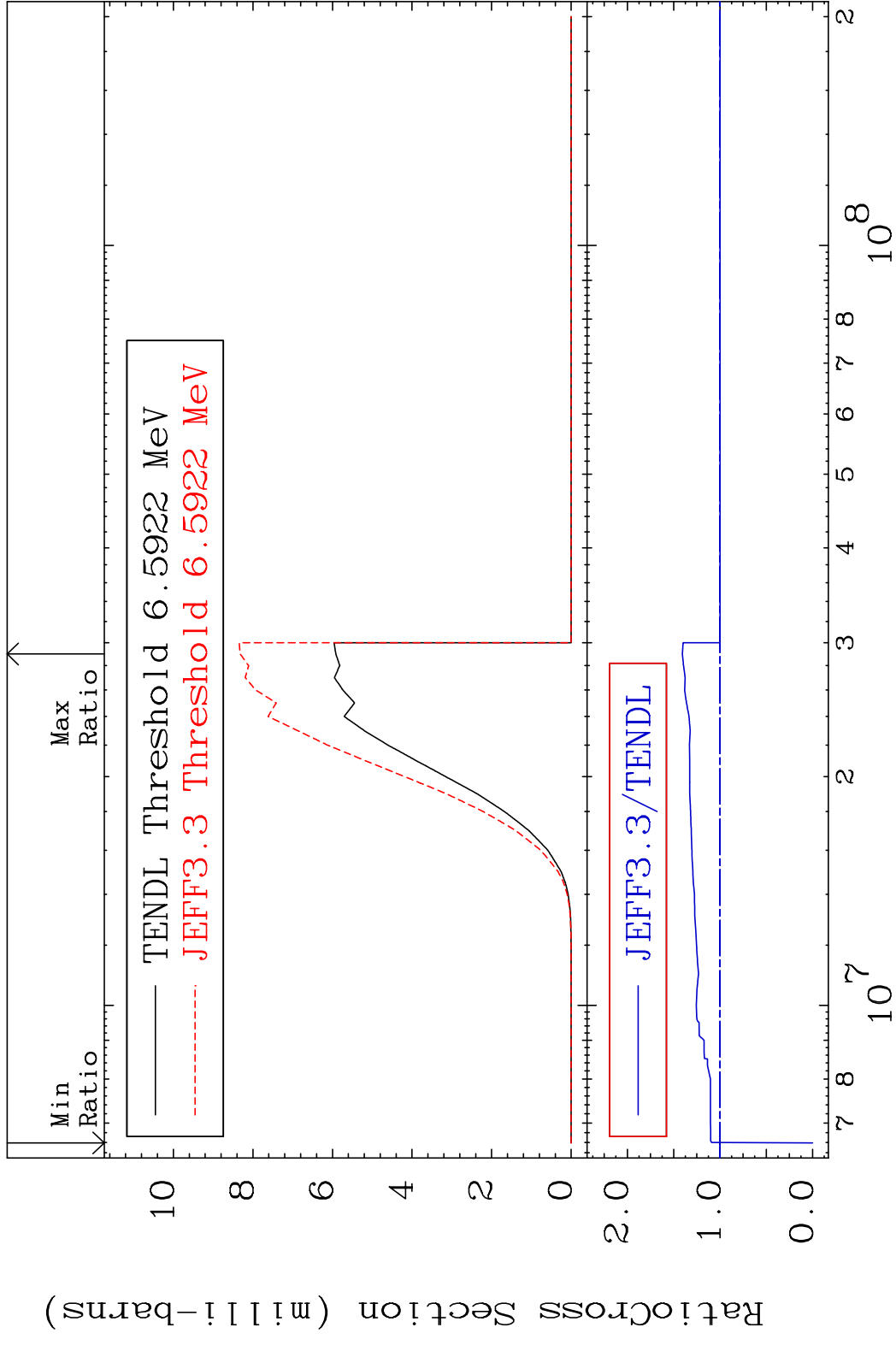




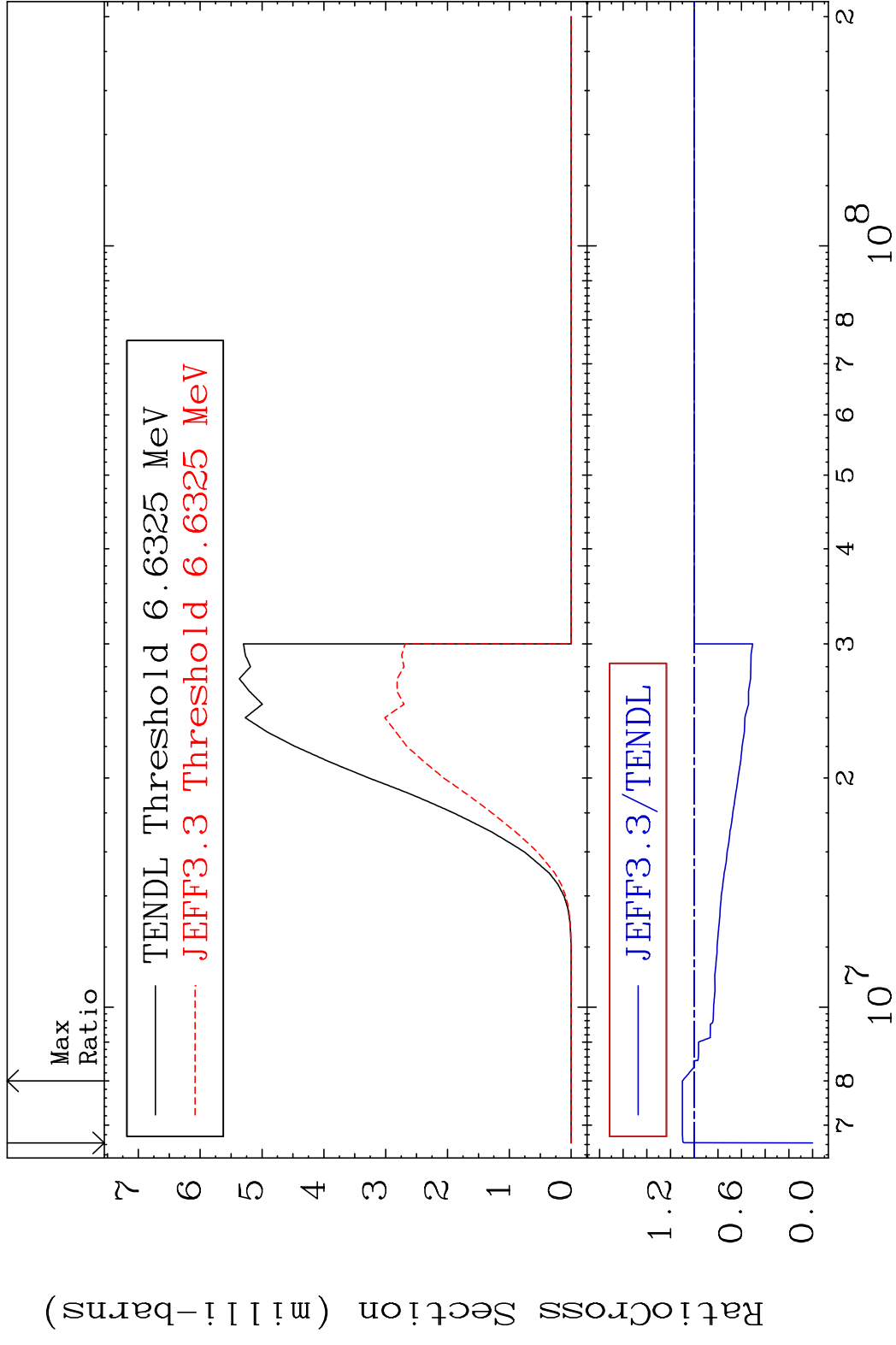
MAT 5446 (n, n') p α :51-Sb-126m2 54-Xe-131
 Radionuclide Production Cross Section Ratio 9999. %



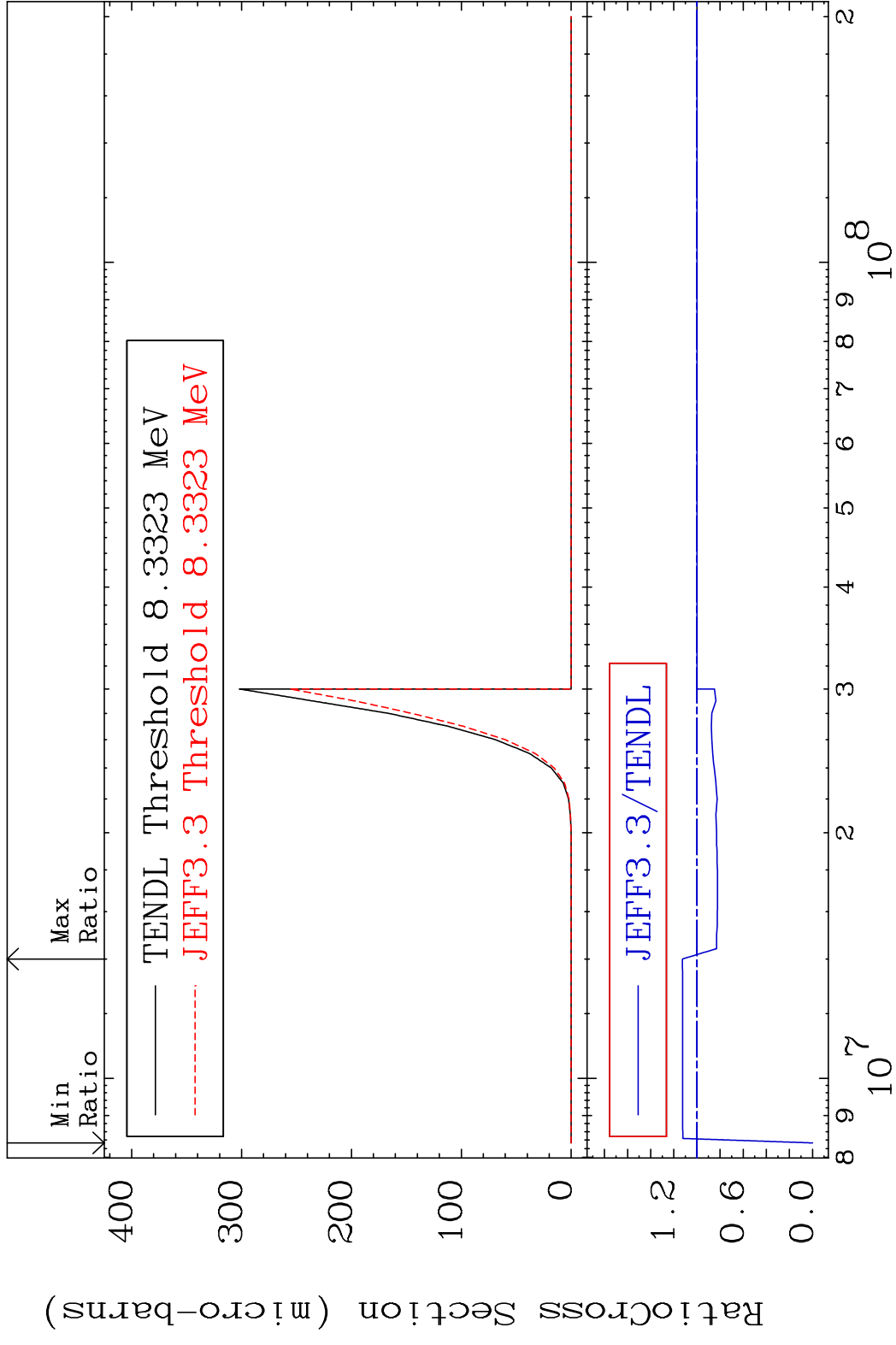
MAT 5446 (n, d):53-I -130g 54-Xe-131
 Radionuclide Production Cross Section 40.64 %



MAT 5446 (n, d):53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section 10.02 %

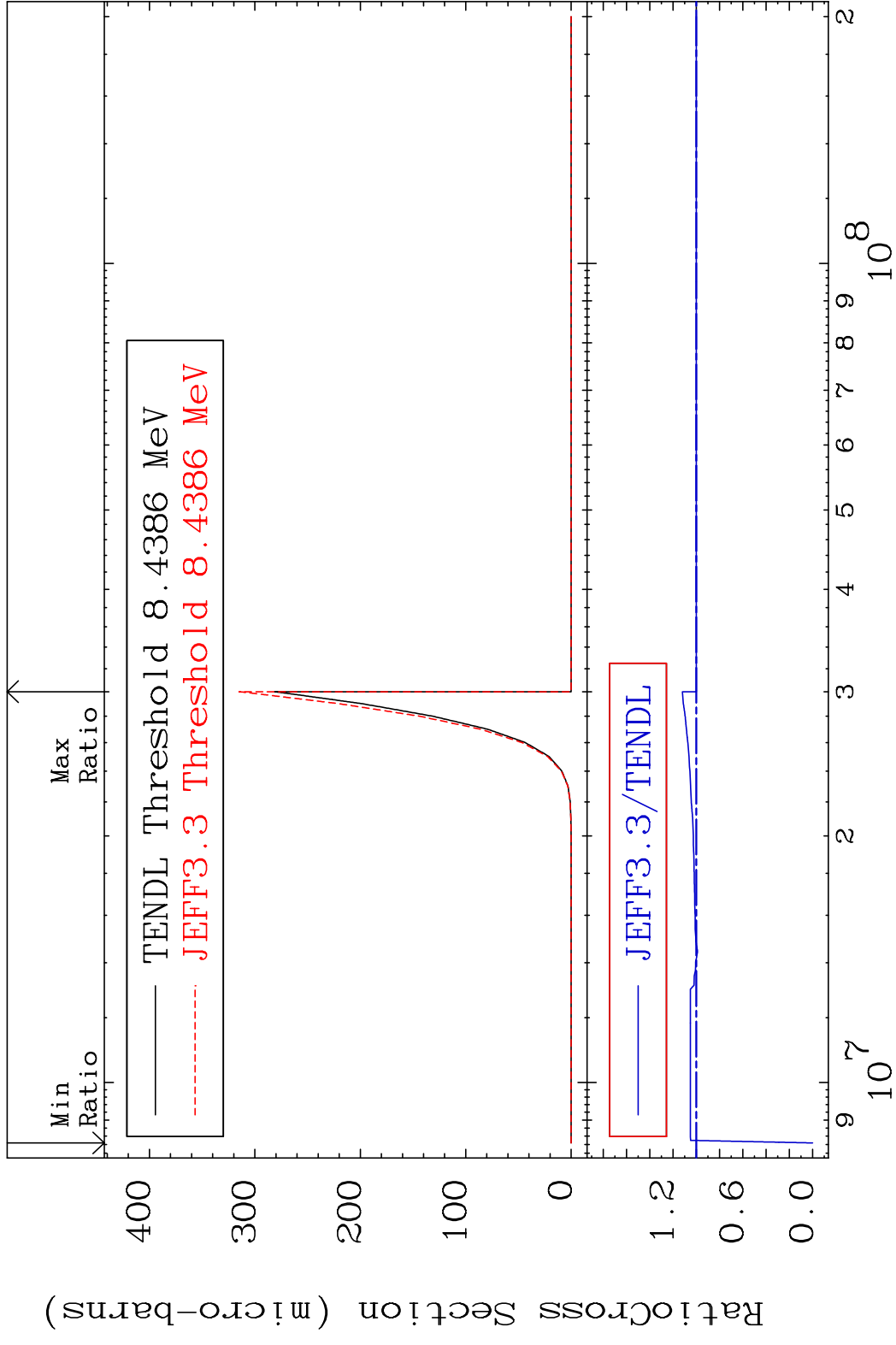


MAT 5446 (n, He-3): 52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dpo 12.60 %



90 Incident Energy (eV) 54-Xe-131

MAT 5446 (n, He-3) : 52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section Ratio 11.95 %



MAT 5446 (n,p) d:52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section Ratio 309.8 %

