

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

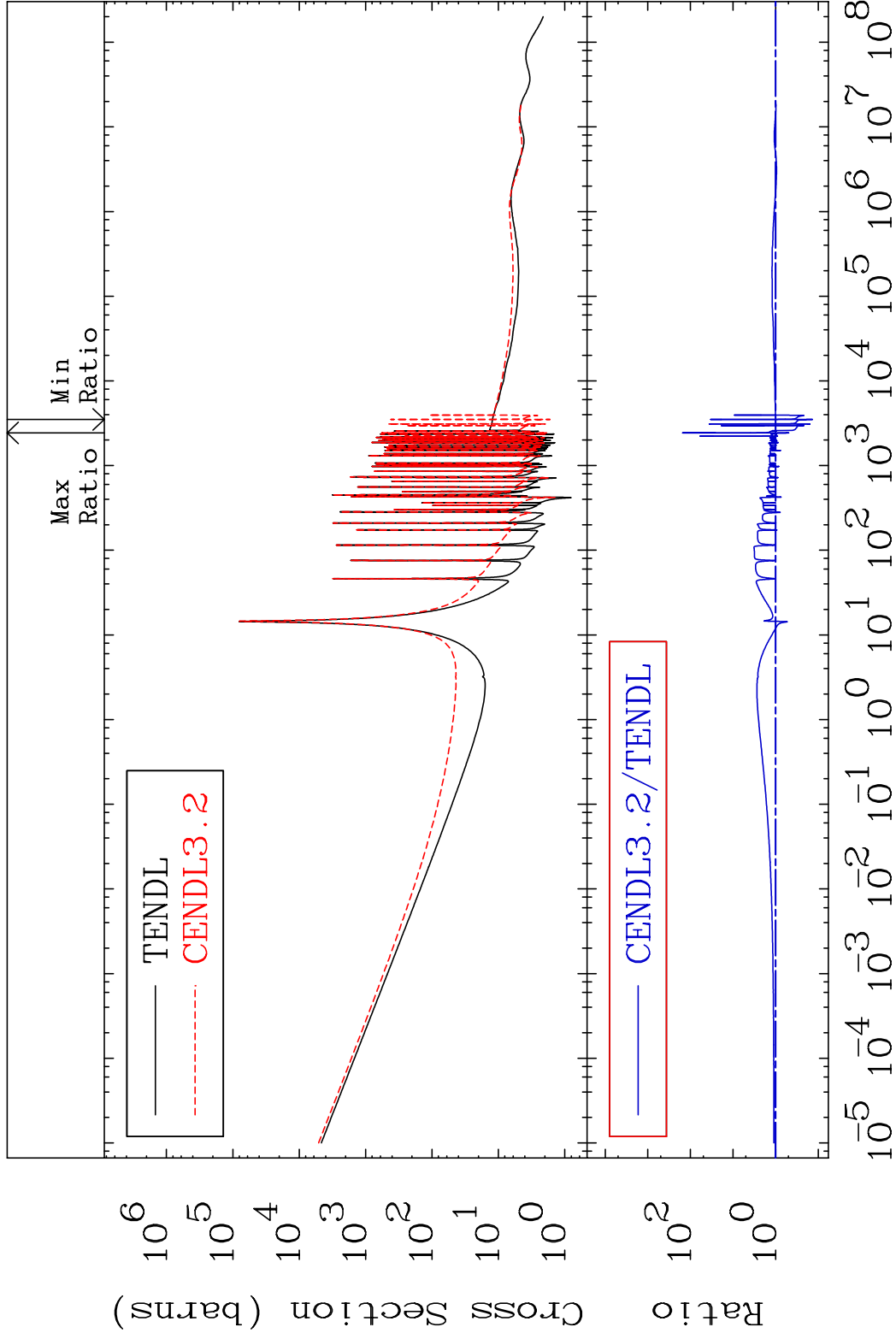
MAT 5446

Total

54-Xe-131

Cross Section

-86.36 To 9999. %



1

Incident Energy (eV)

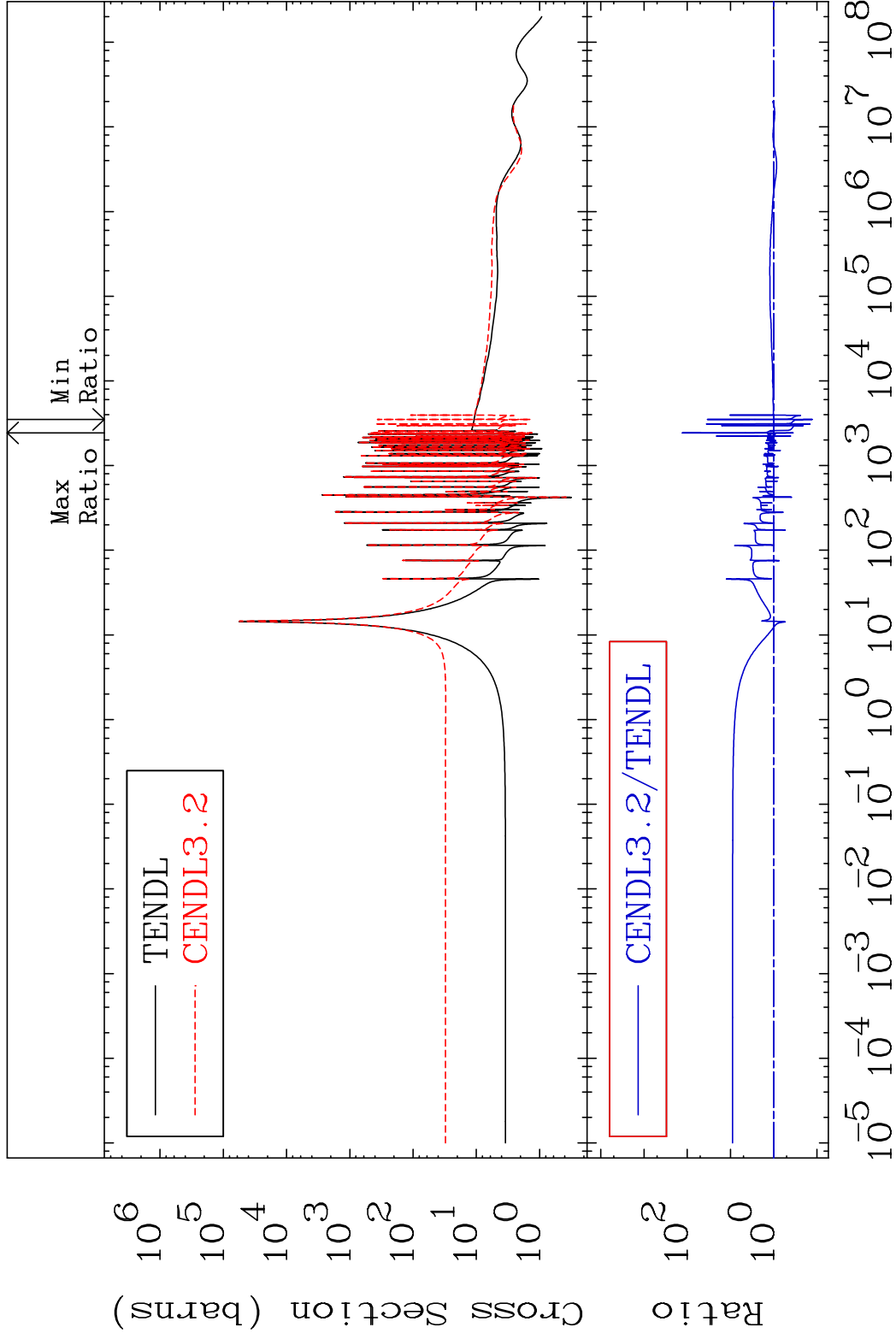
54-Xe-131

MAT 5446

Elastic

54-Xe-131

Cross Section -87.39 To 9999. %



2

Incident Energy (eV)

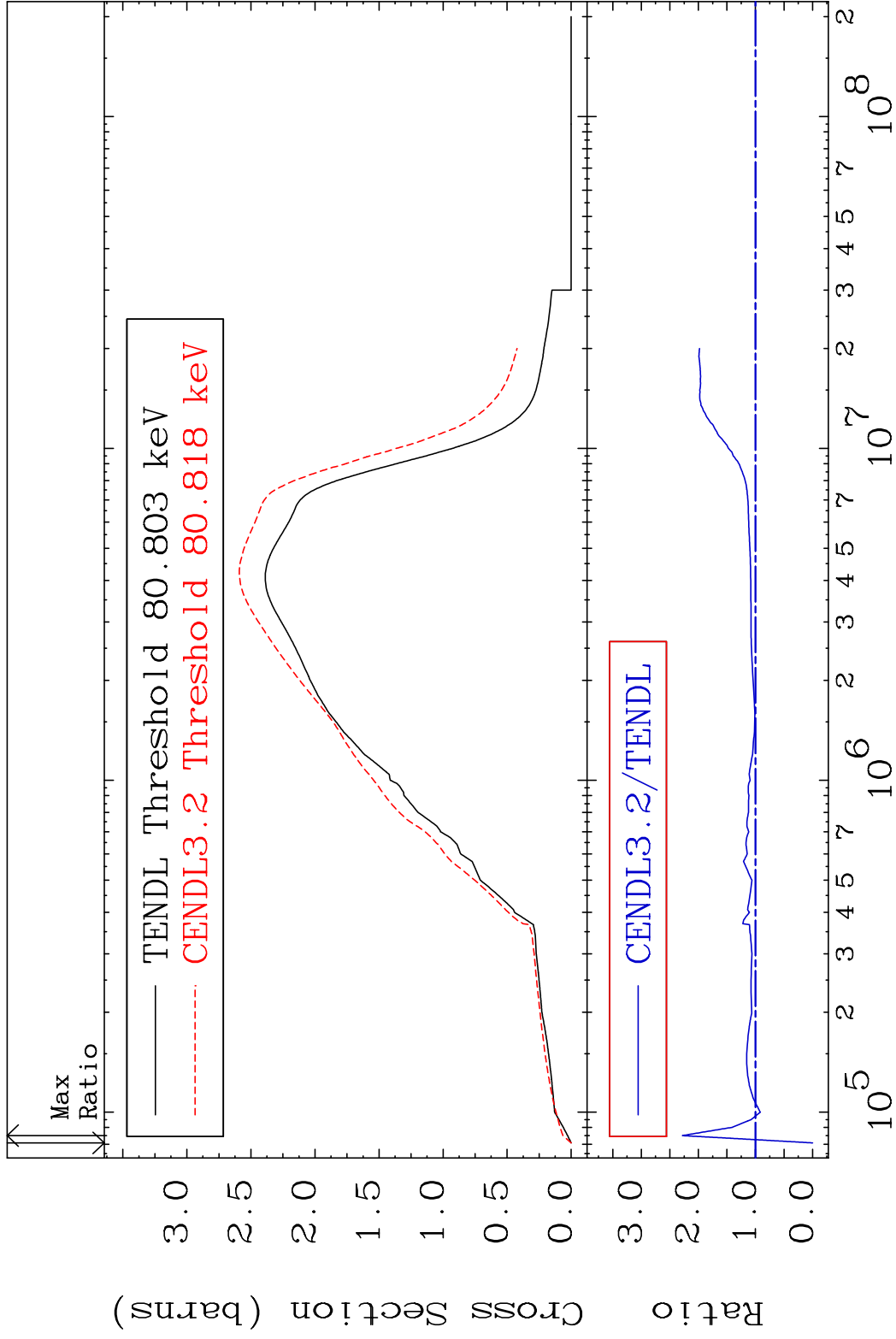
54-Xe-131

MAT 5446

Inelastic

54-Xe-131

Cross Section -100.0 To 128.1 %



3

Incident Energy (eV)

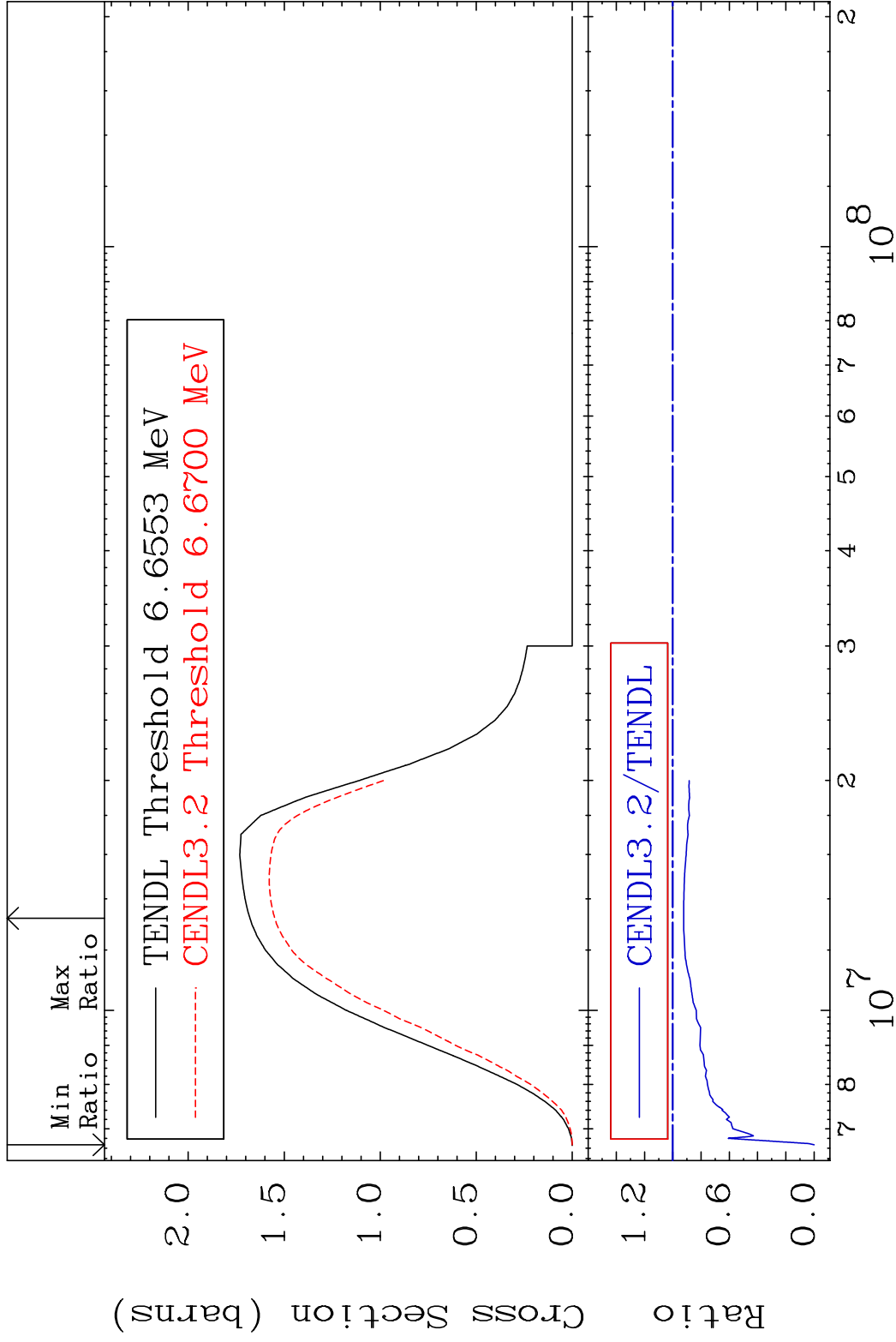
54-Xe-131

MAT 5446

(n,2n)

54-Xe-131

Cross Section -100.0 To -7.673%

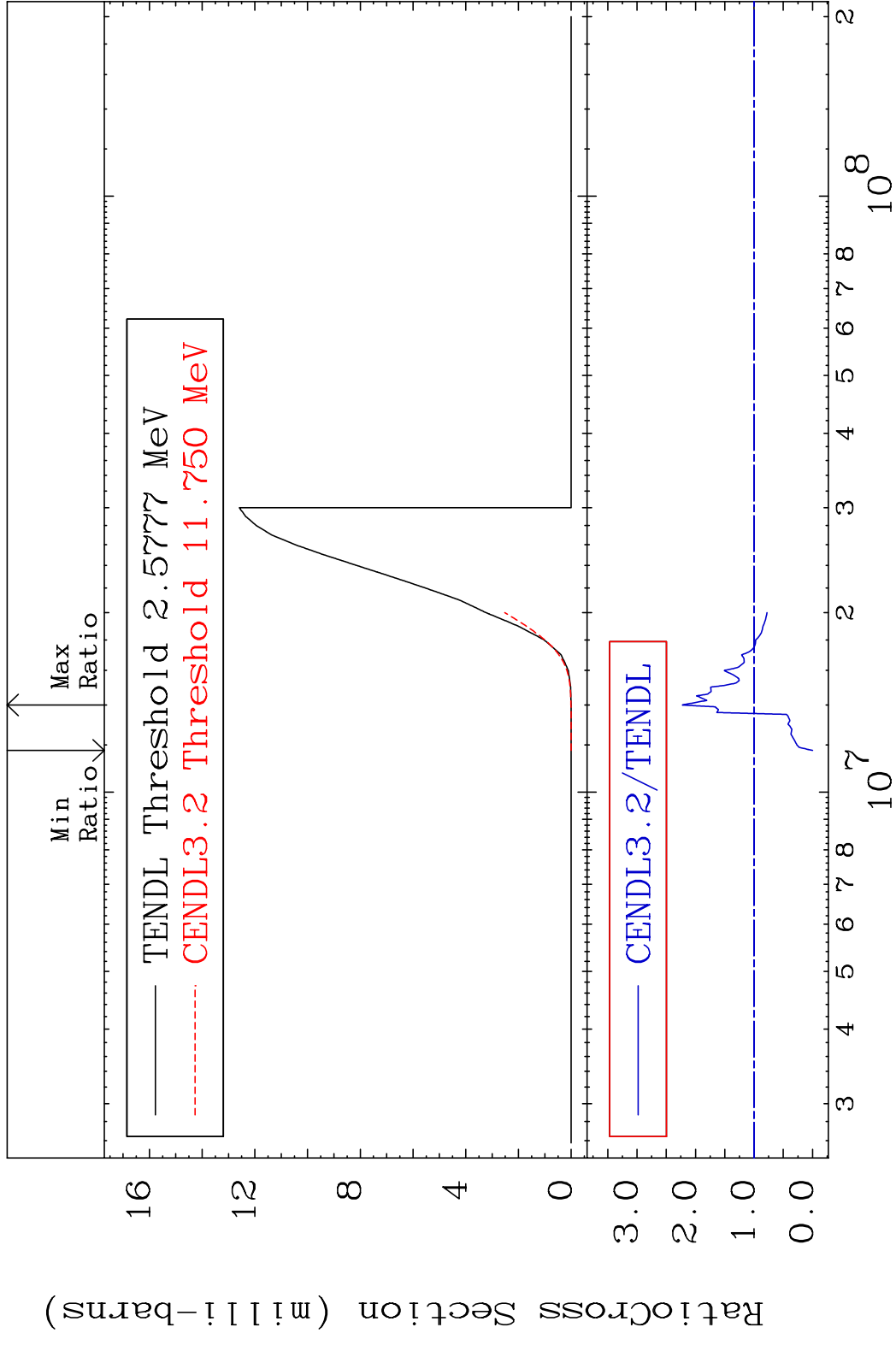


4

Incident Energy (eV)

54-Xe-131

MAT 5446 (n, n') α 54-Xe-131
 Cross Section -100.0 To 122.5 %

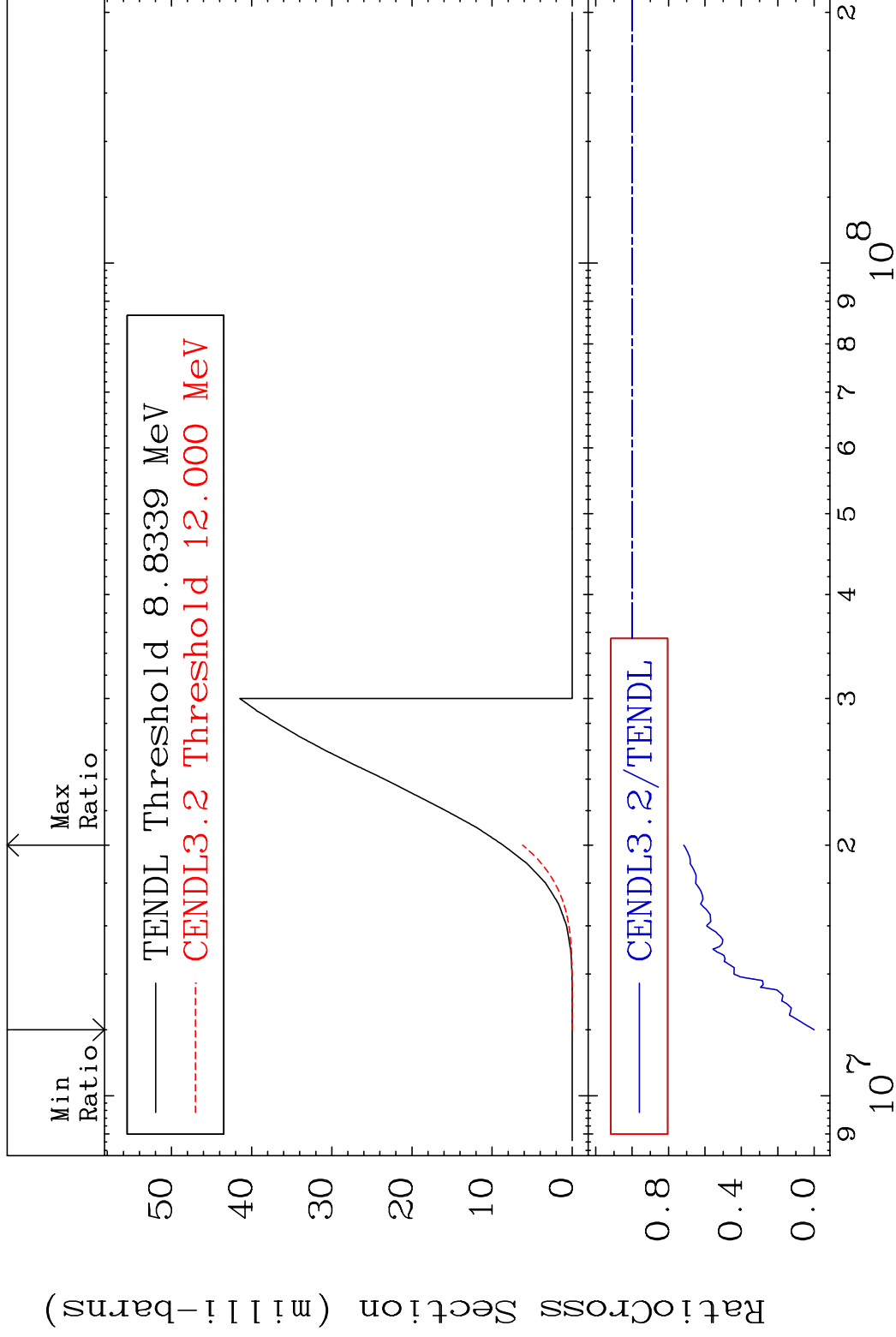


MAT 5446

(n, n') p

54-Xe-131

Cross Section -100.0 To -28.31%

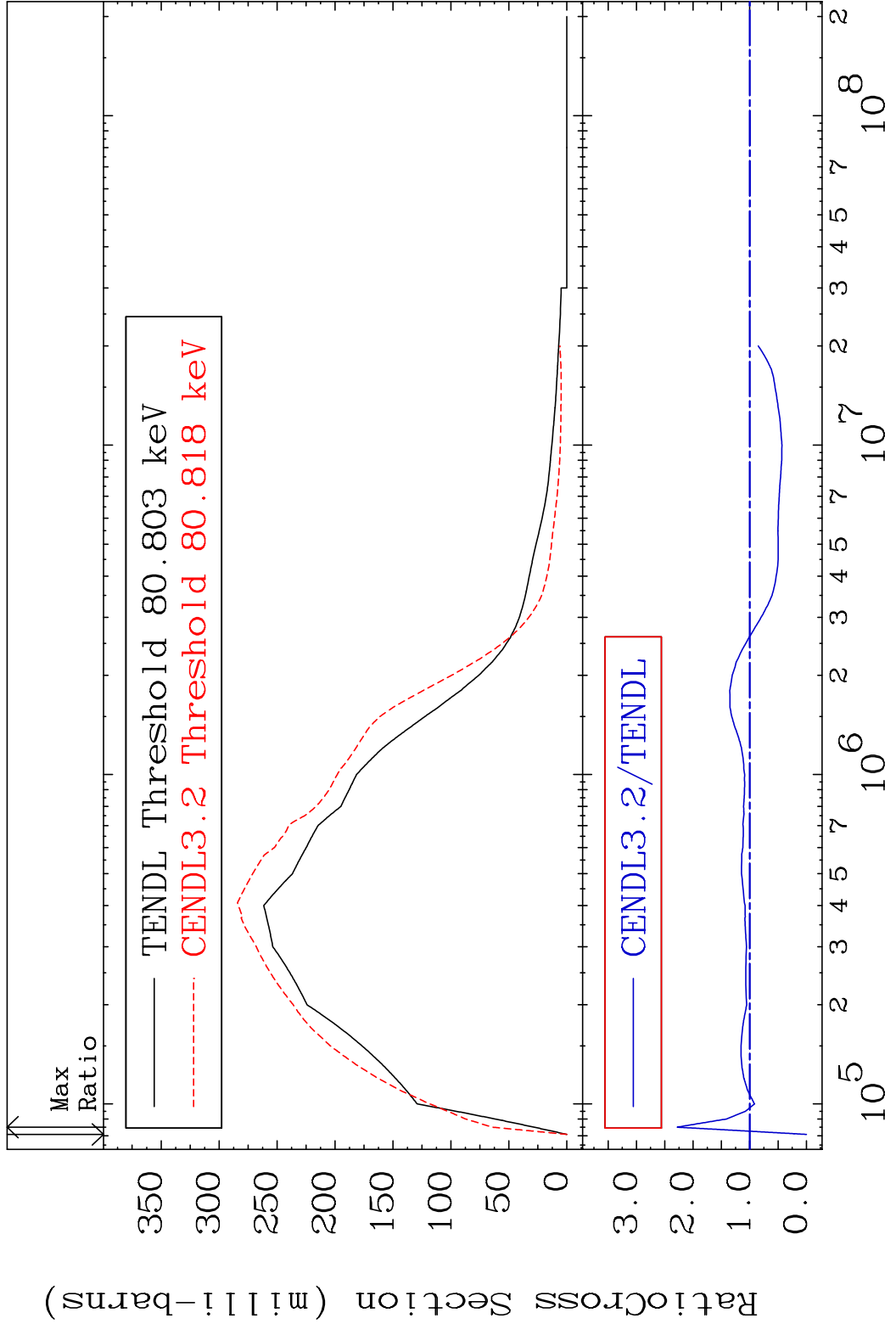


7

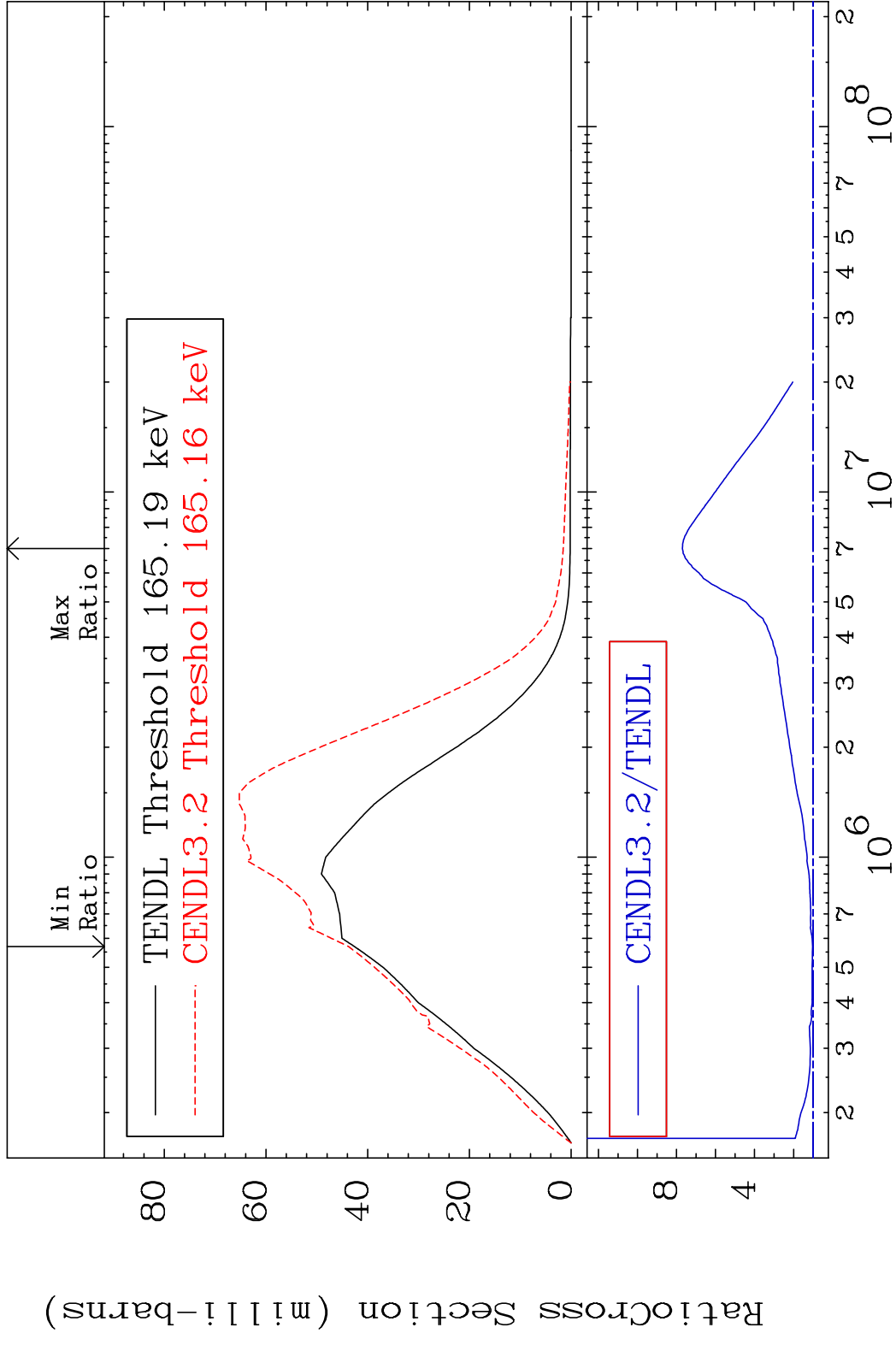
Incident Energy (eV)

54-Xe-131

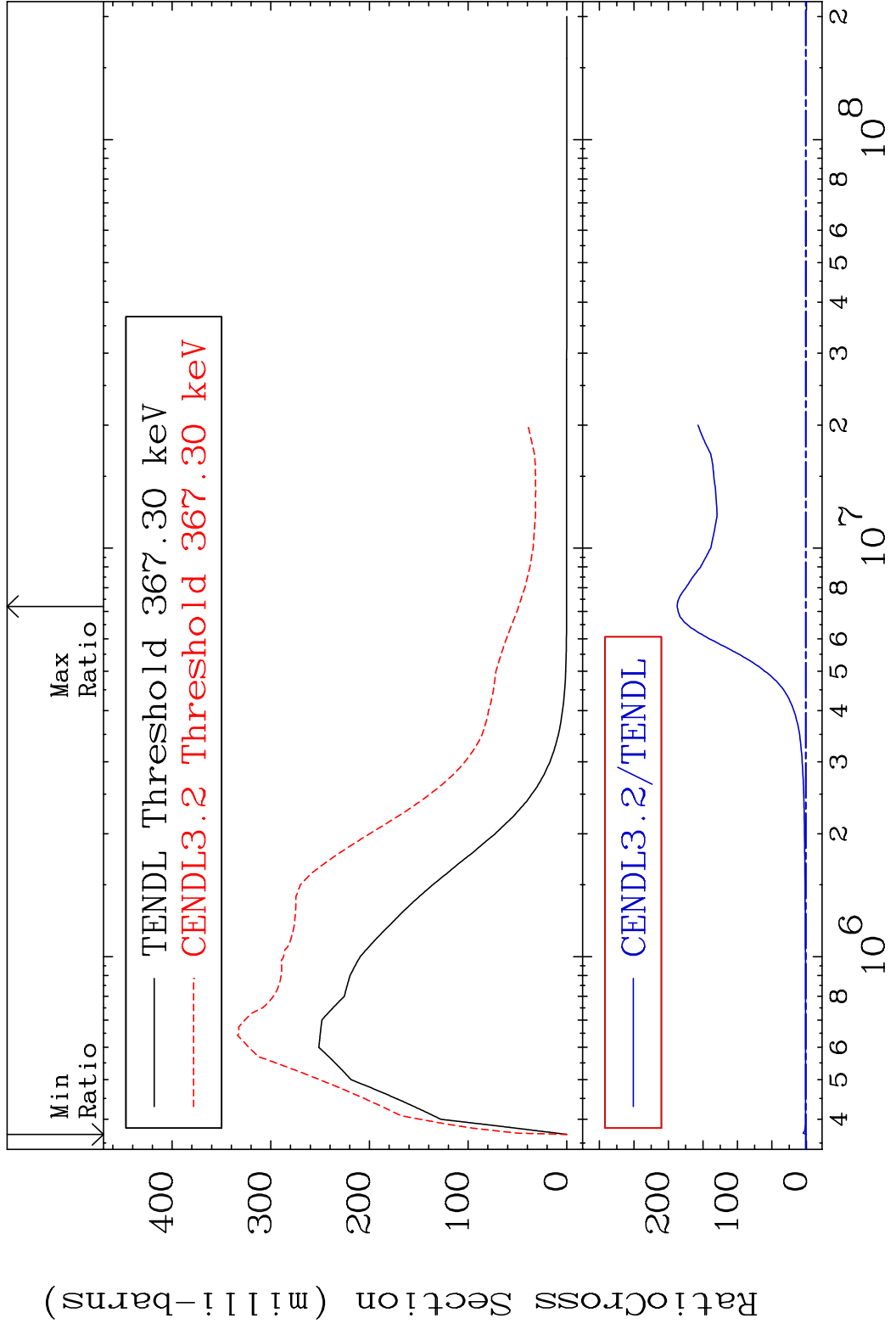
MAT 5446 MT= 51 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 128.1 %



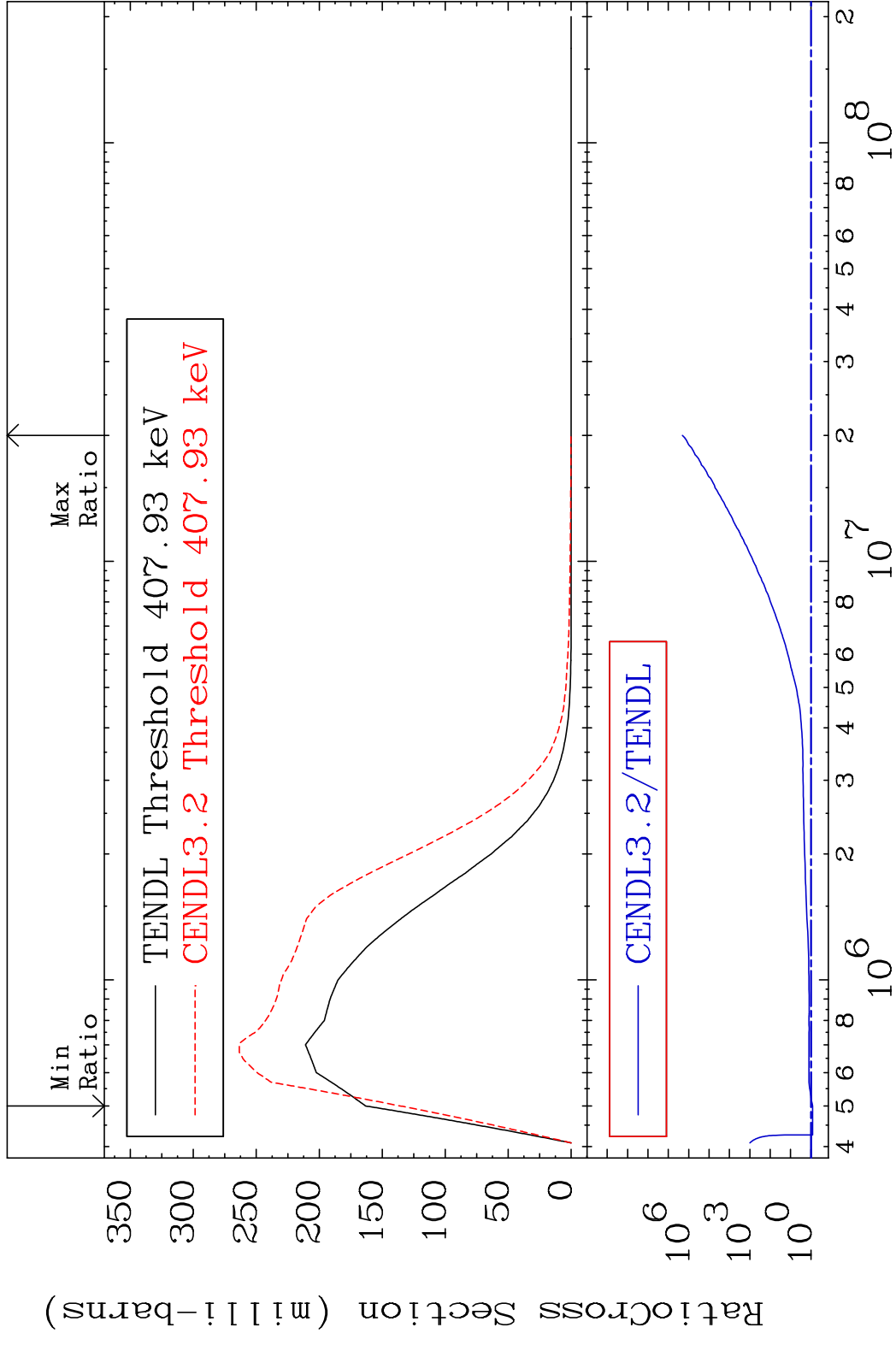
MAT 5446 MT= 52 (n, n') Level 54-Xe-131
 Cross Section 2.711 To 670.0 %



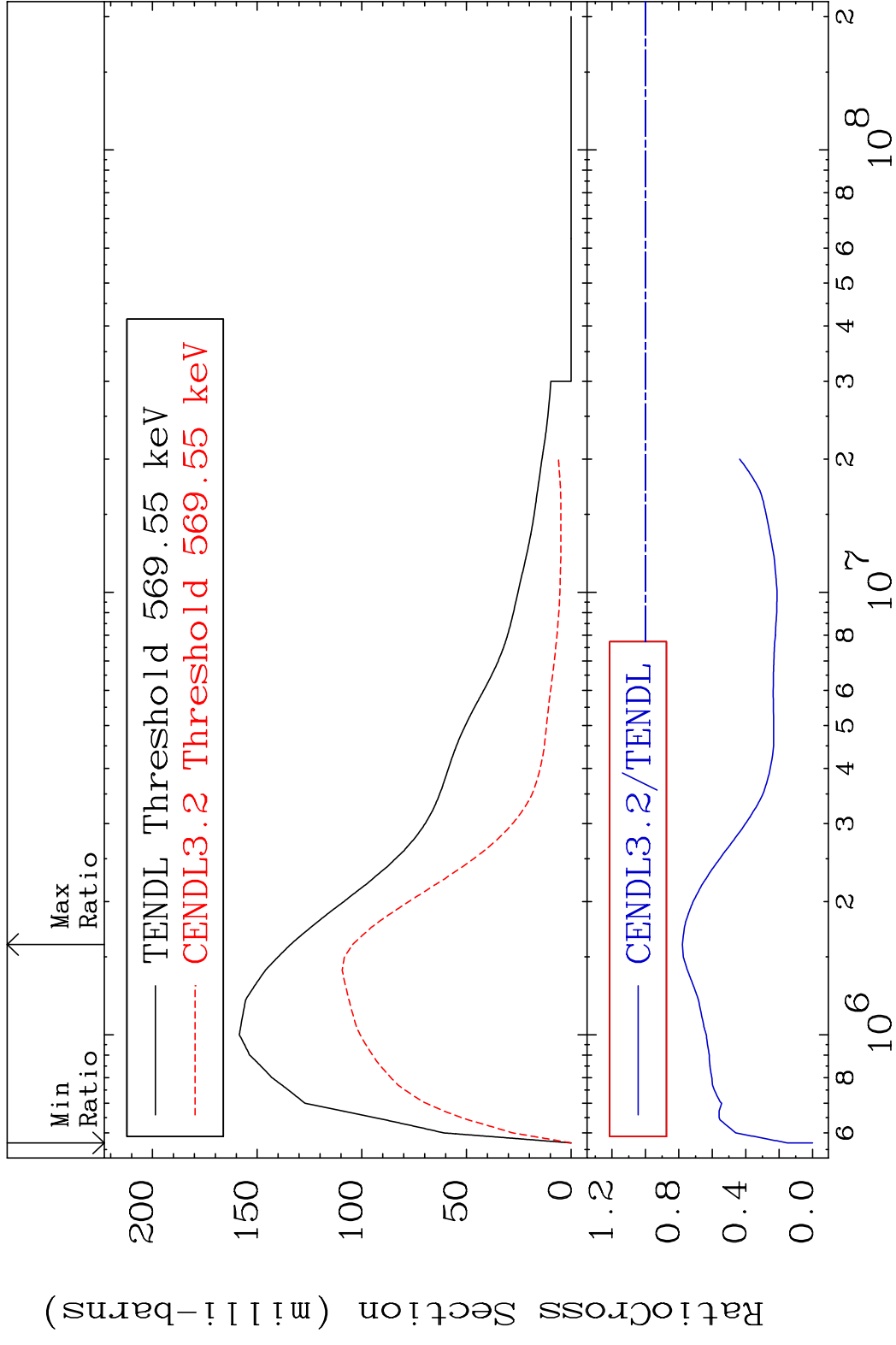
MAT 5446 MT= 54 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 9999. %



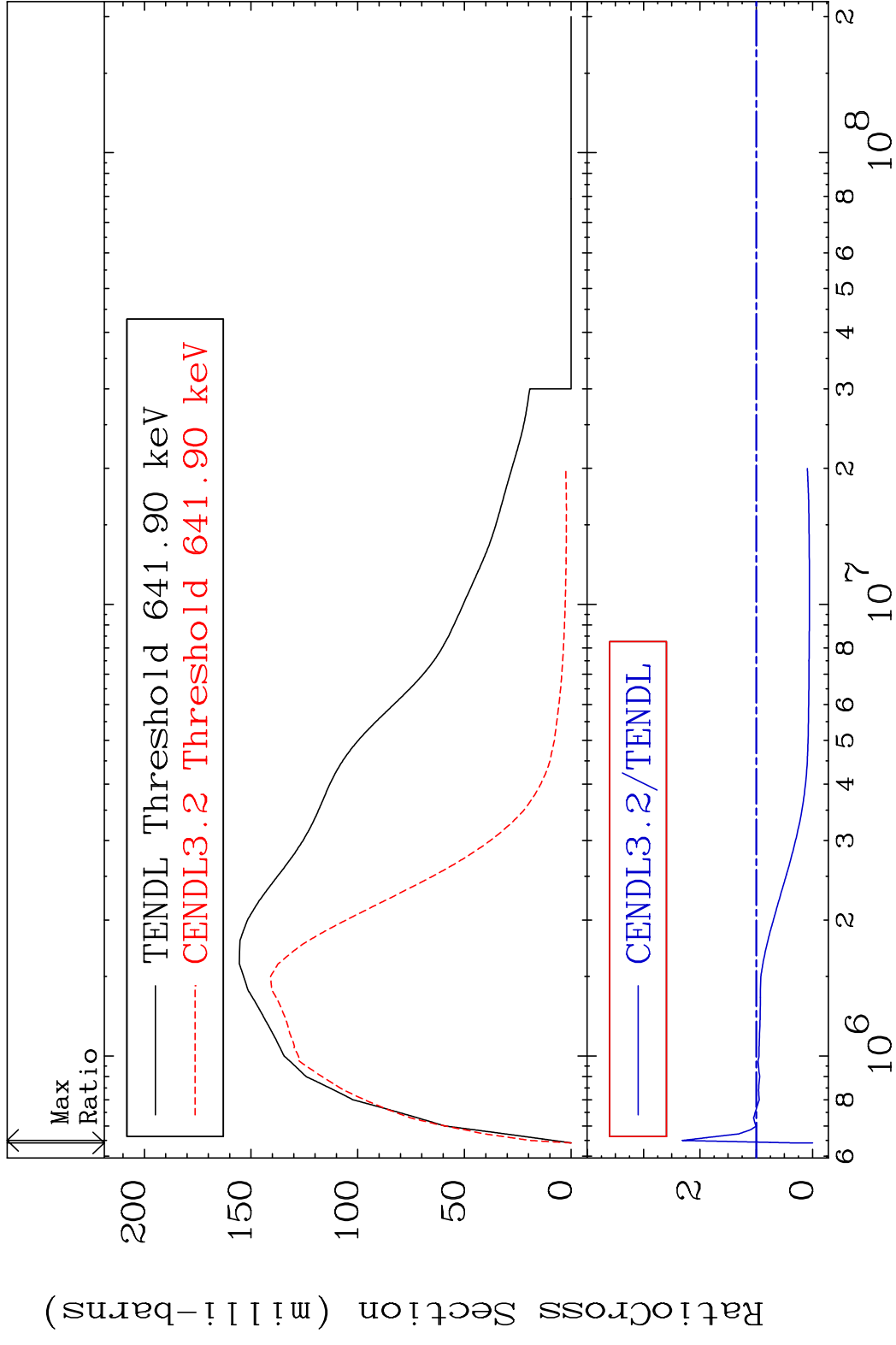
MAT 5446 MT= 55 (n, n') Level 54-Xe-131
 Cross Section -16.93 To 9999. %



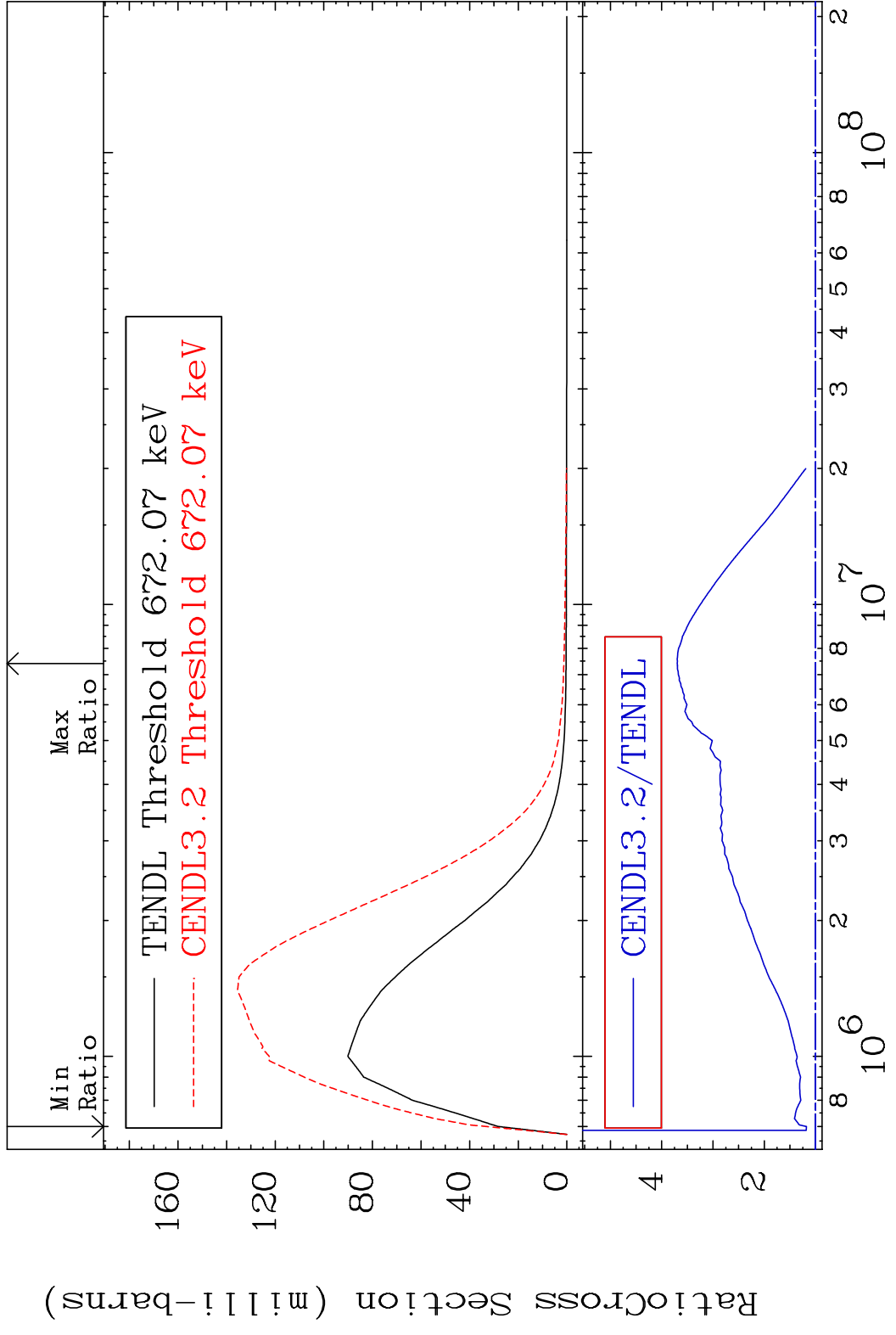
MAT 5446 MT= 56 (n,n') Level 54-Xe-131
 Cross Section -100.0 To -22.10%



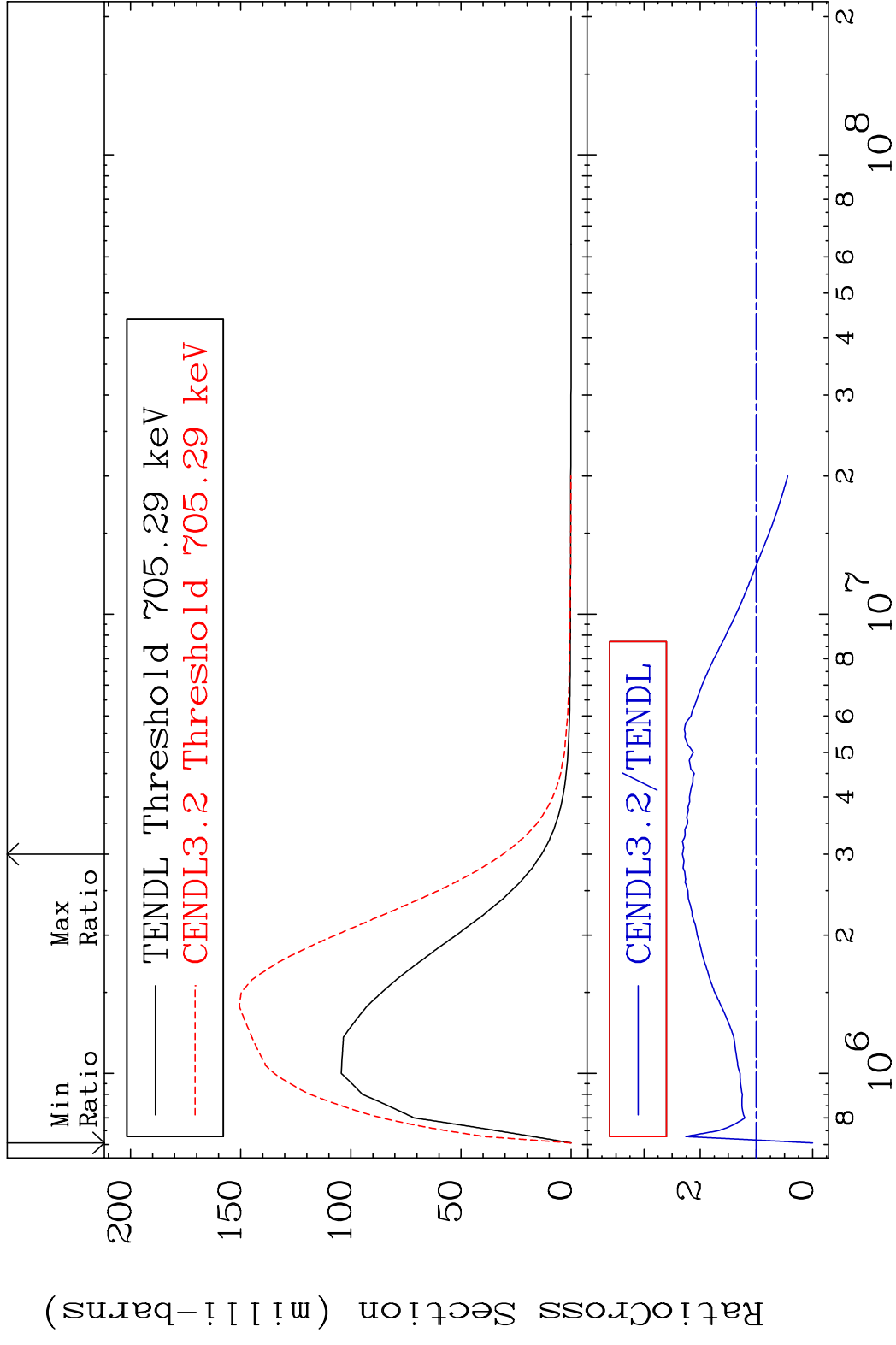
MAT 5446 MT= 57 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 131.2 %



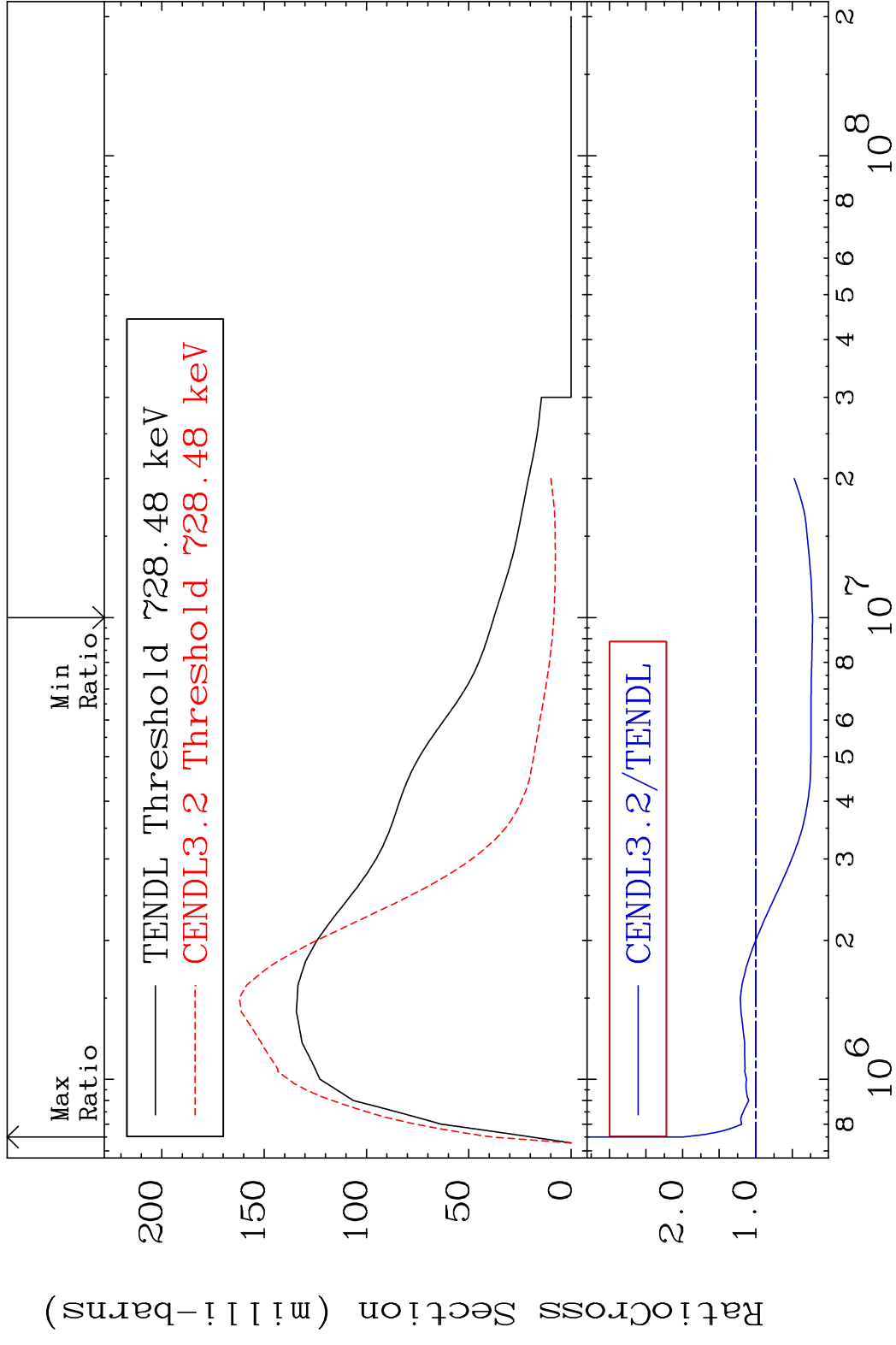
MAT 5446 MT= 58 (n, n') Level 54-Xe-131
 Cross Section 17.89 To 269.7 %



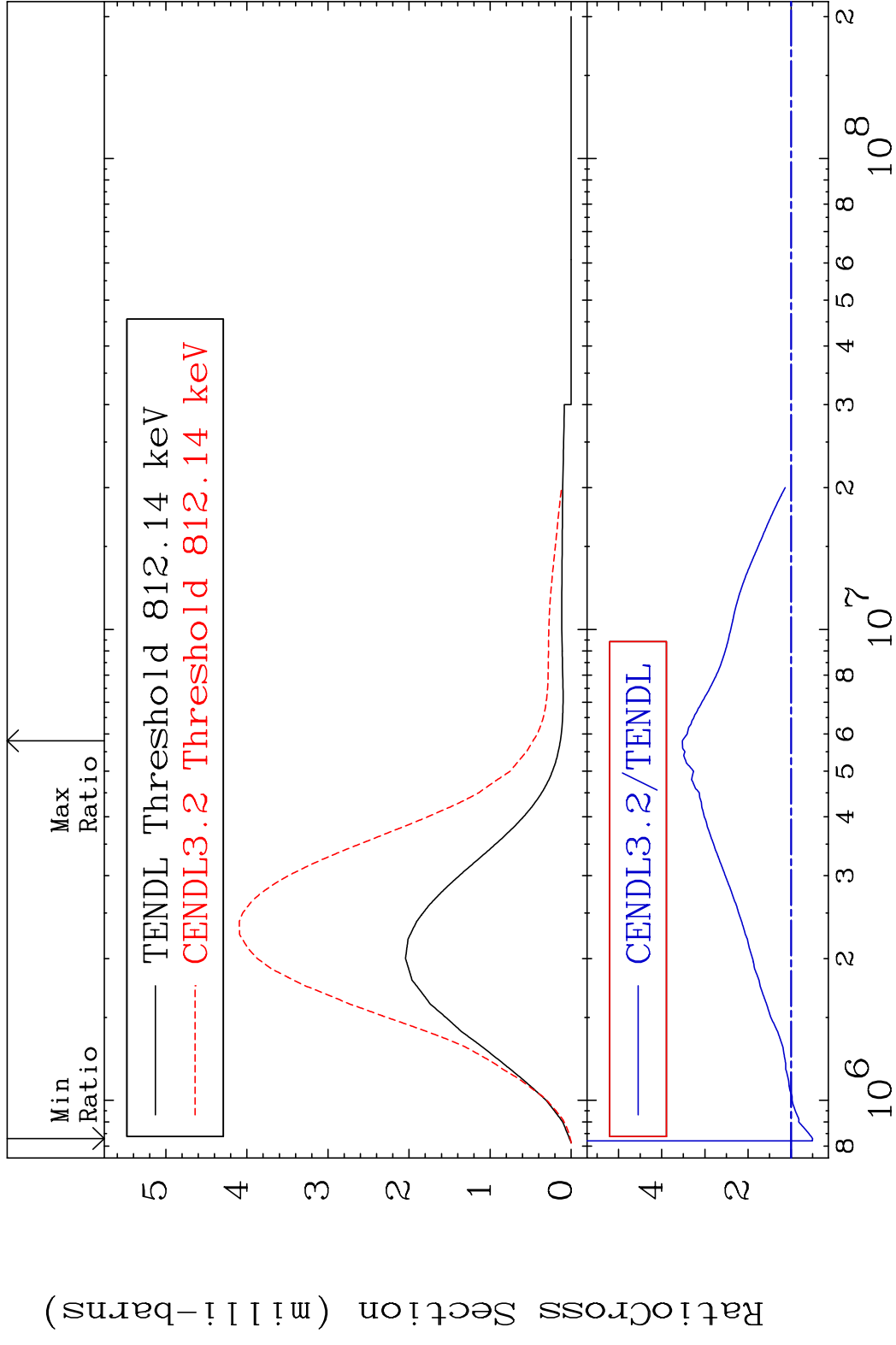
MAT 5446 MT= 59 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 131.8 %



MAT 5446 MT= 60 (n, n') Level 54-Xe-131
 Cross Section -77.58 To 100.3 %

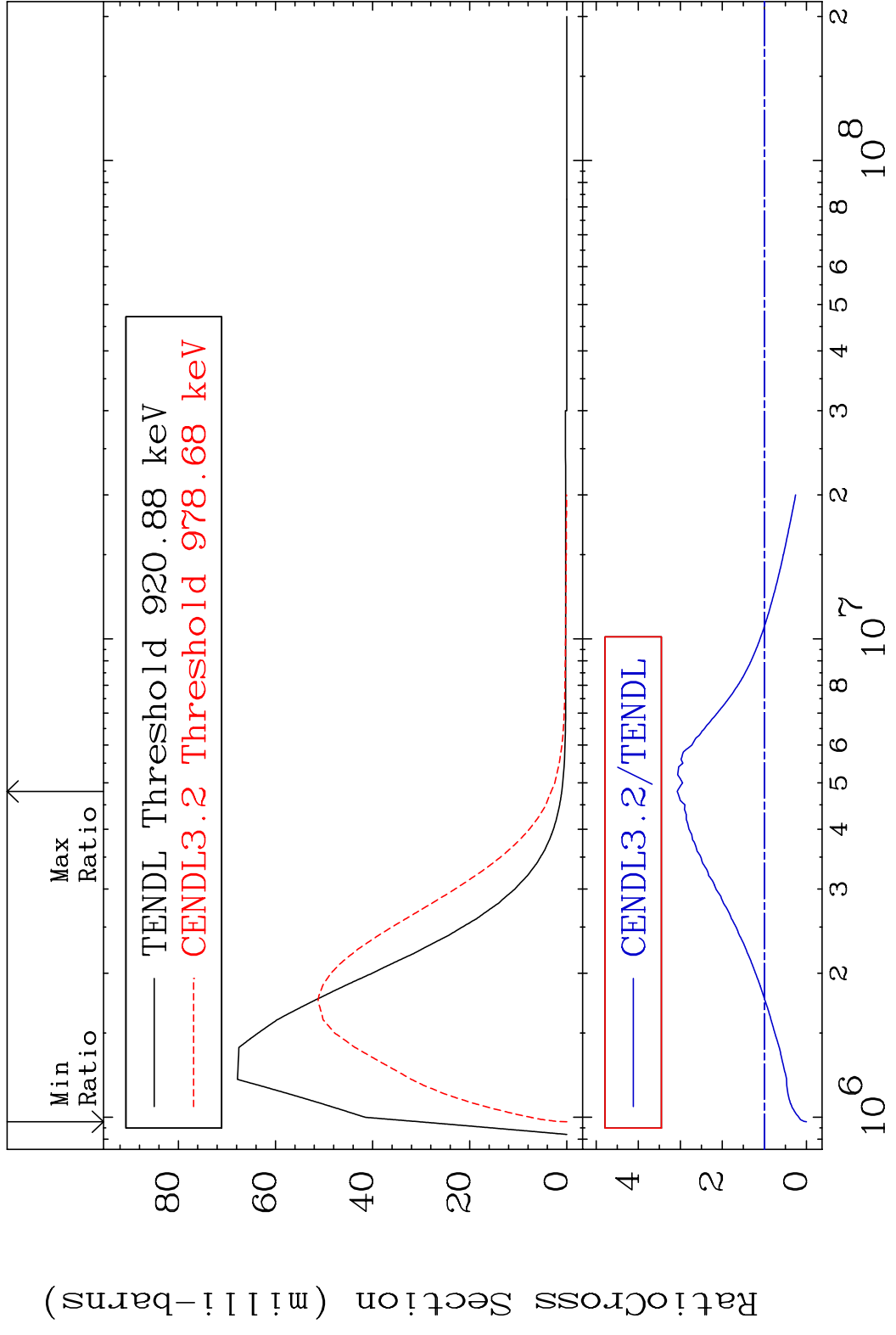


MAT 5446 MT= 61 (n, n') Level 54-Xe-131
 Cross Section -49.69 To 252.2 %

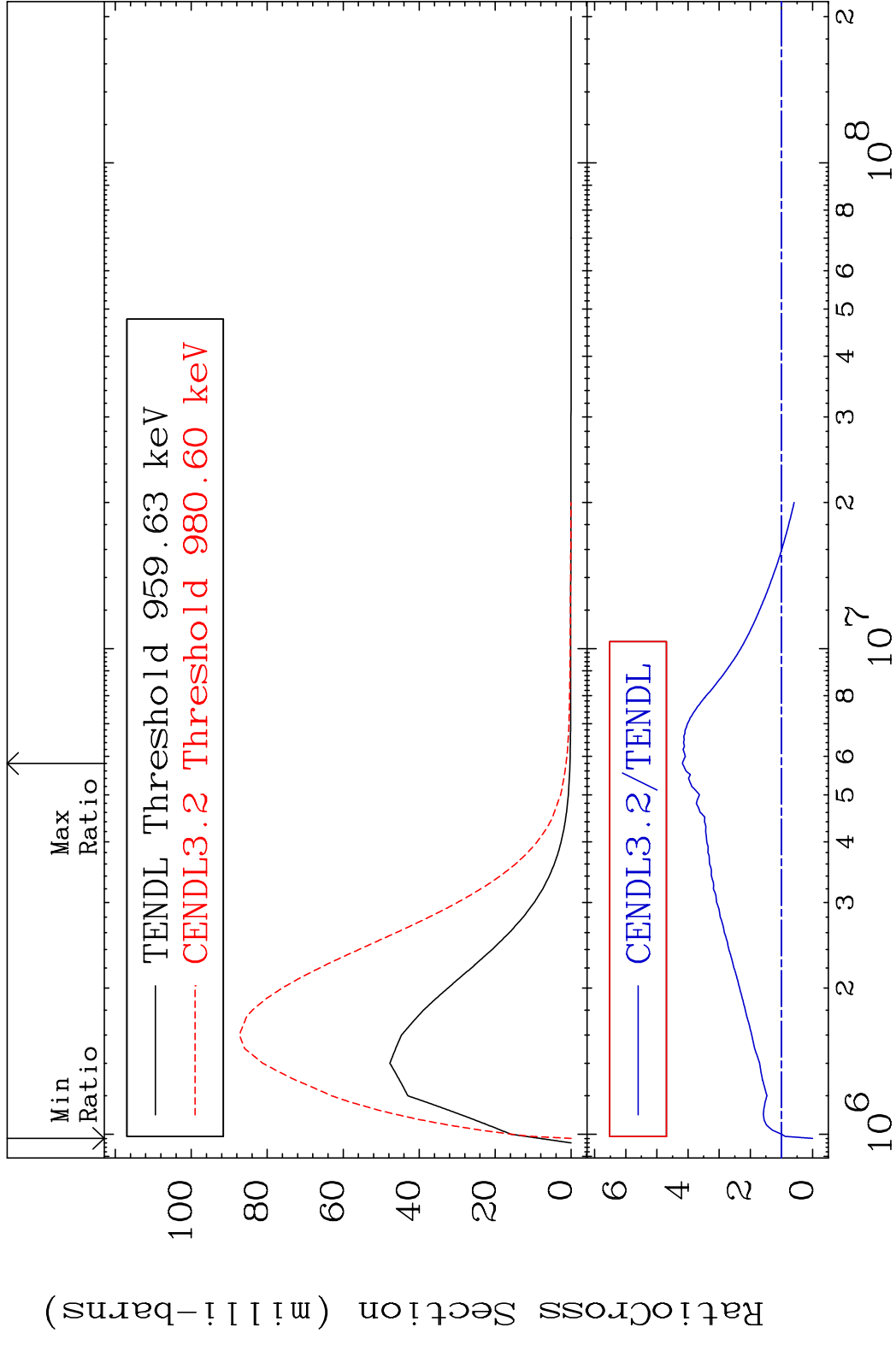


18 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 62 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 207.5 %

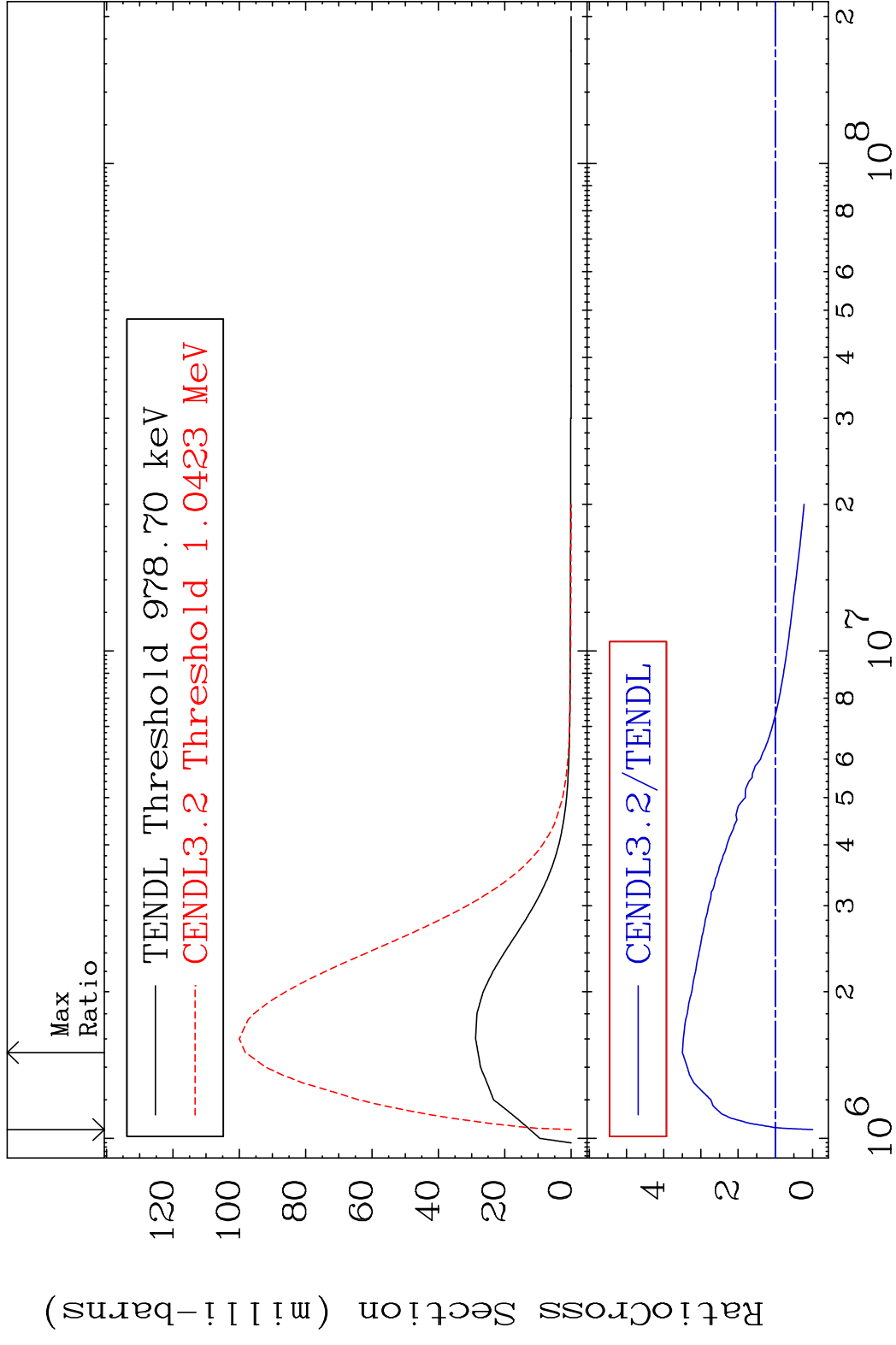


MAT 5446 MT= 63 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 318.4 %



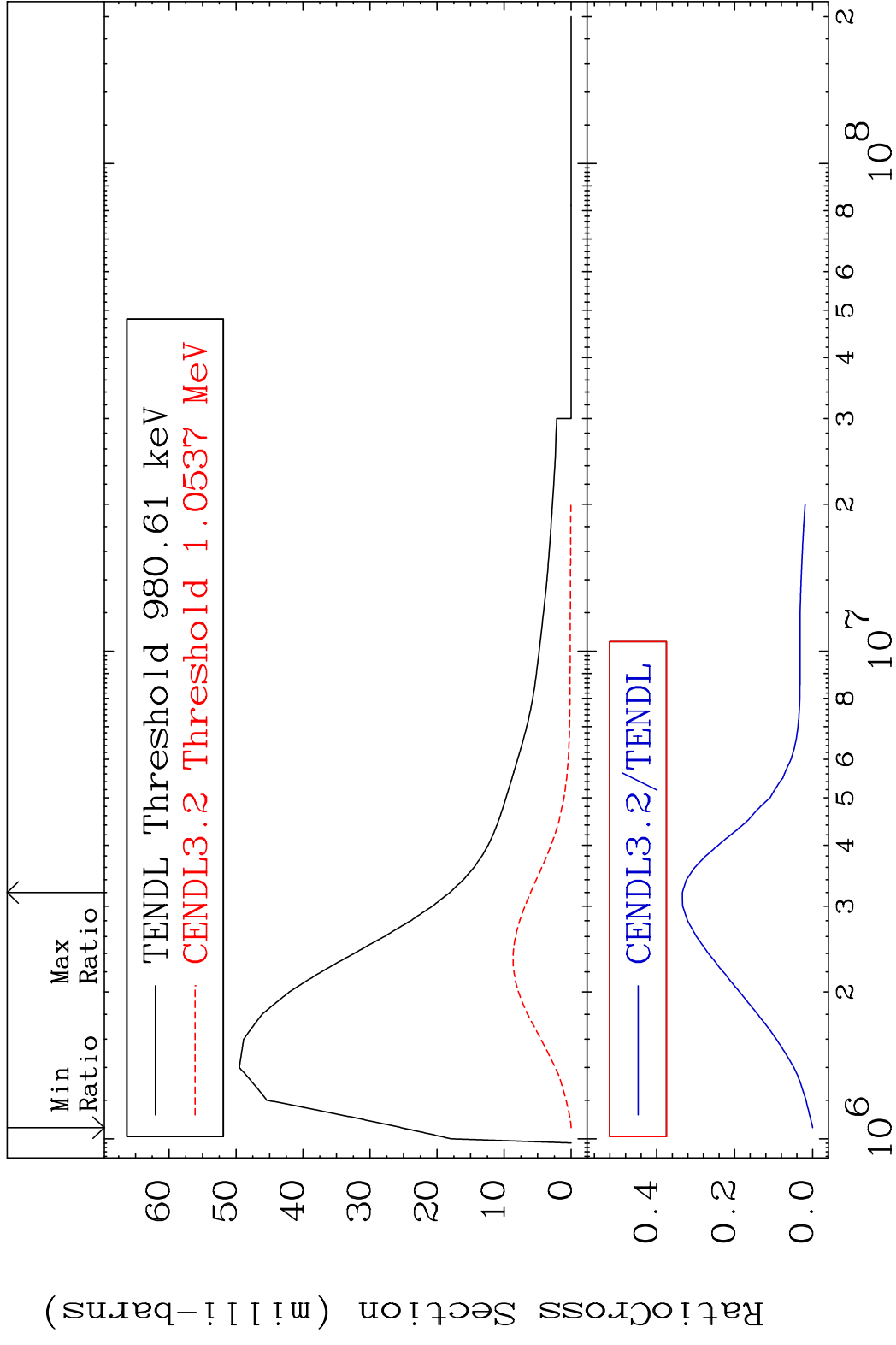
20 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 64 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 249.9 %

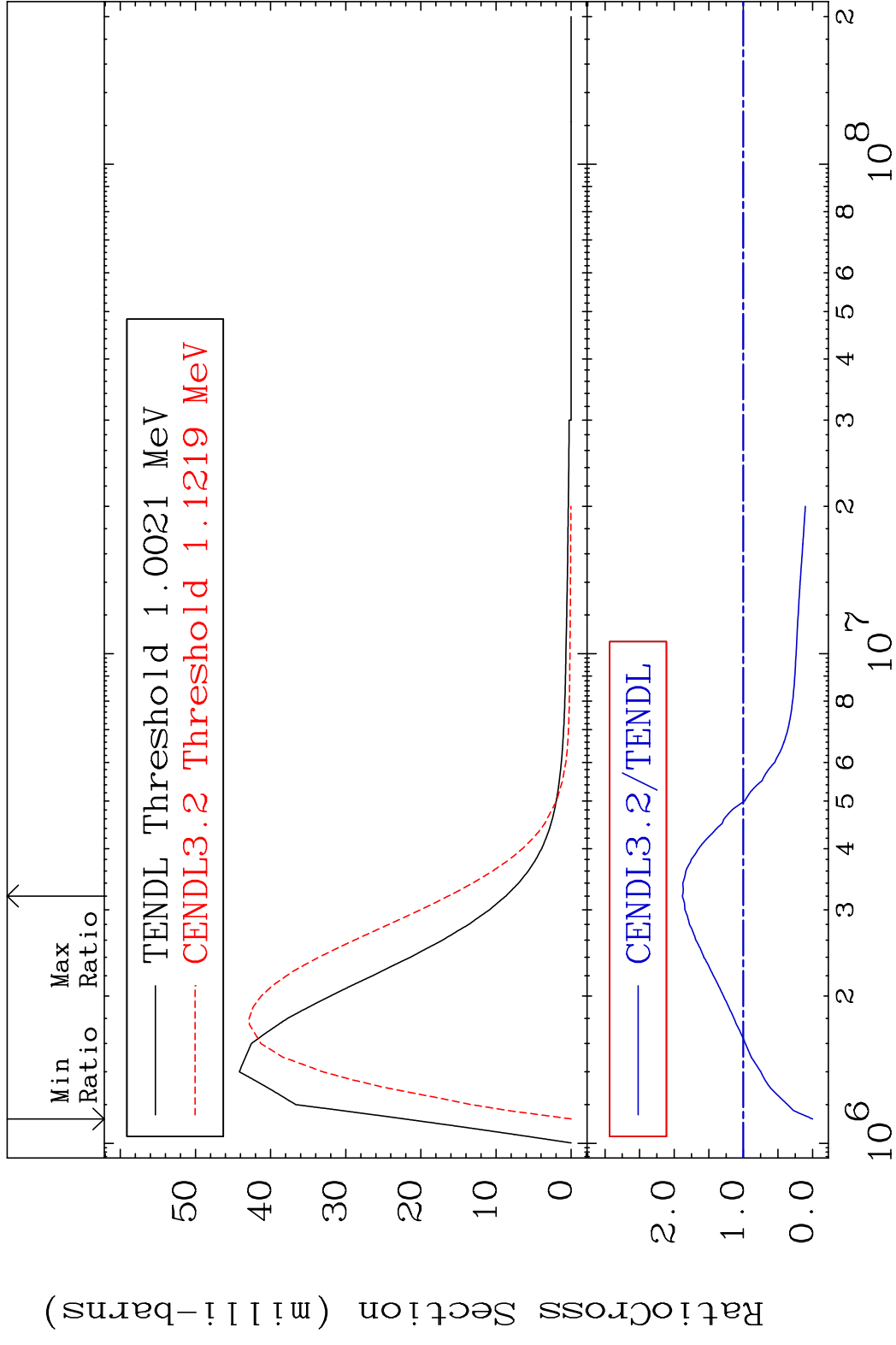


21 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 65 (n, n') Level 54-Xe-131
 Cross Section -100.0 To -66.59%

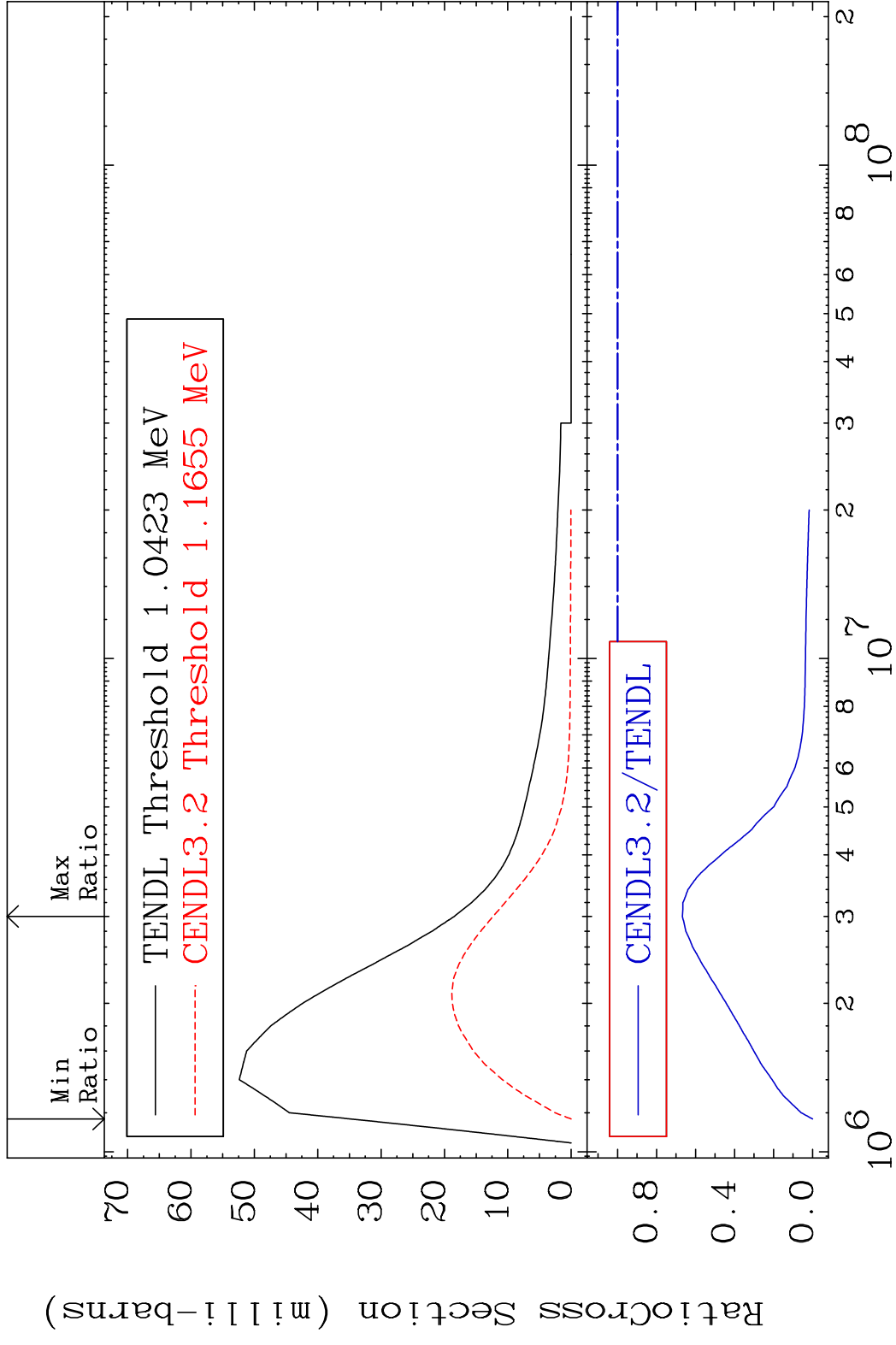


MAT 5446 MT= 66 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 88.18 %



23 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 67 (n, n') Level 54-Xe-131
 Cross Section -100.0 To -33.21%

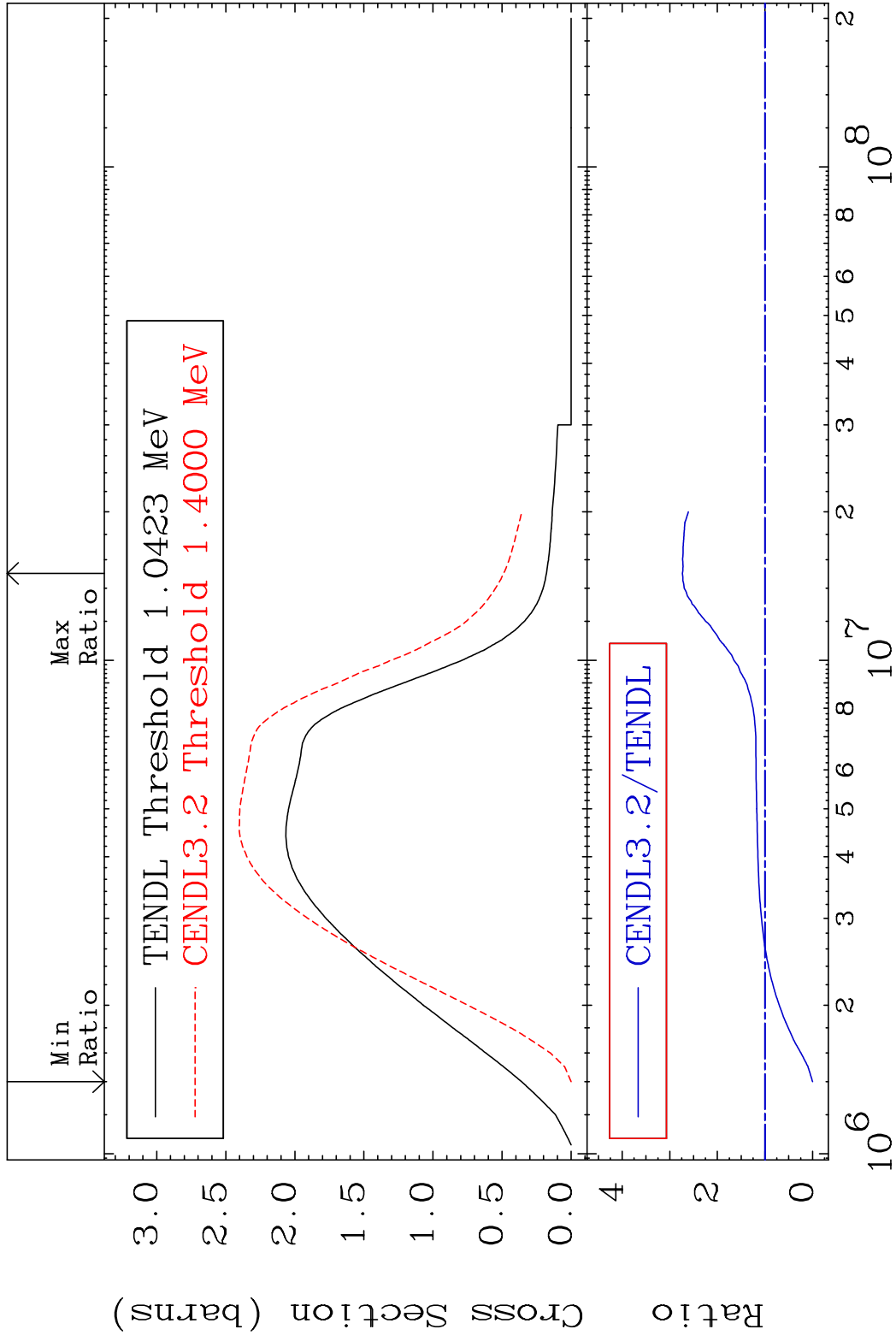


MAT 5446

(n, n') Continuum

54-Xe-131

Cross Section -100.0 To 173.6 %



25

Incident Energy (eV)

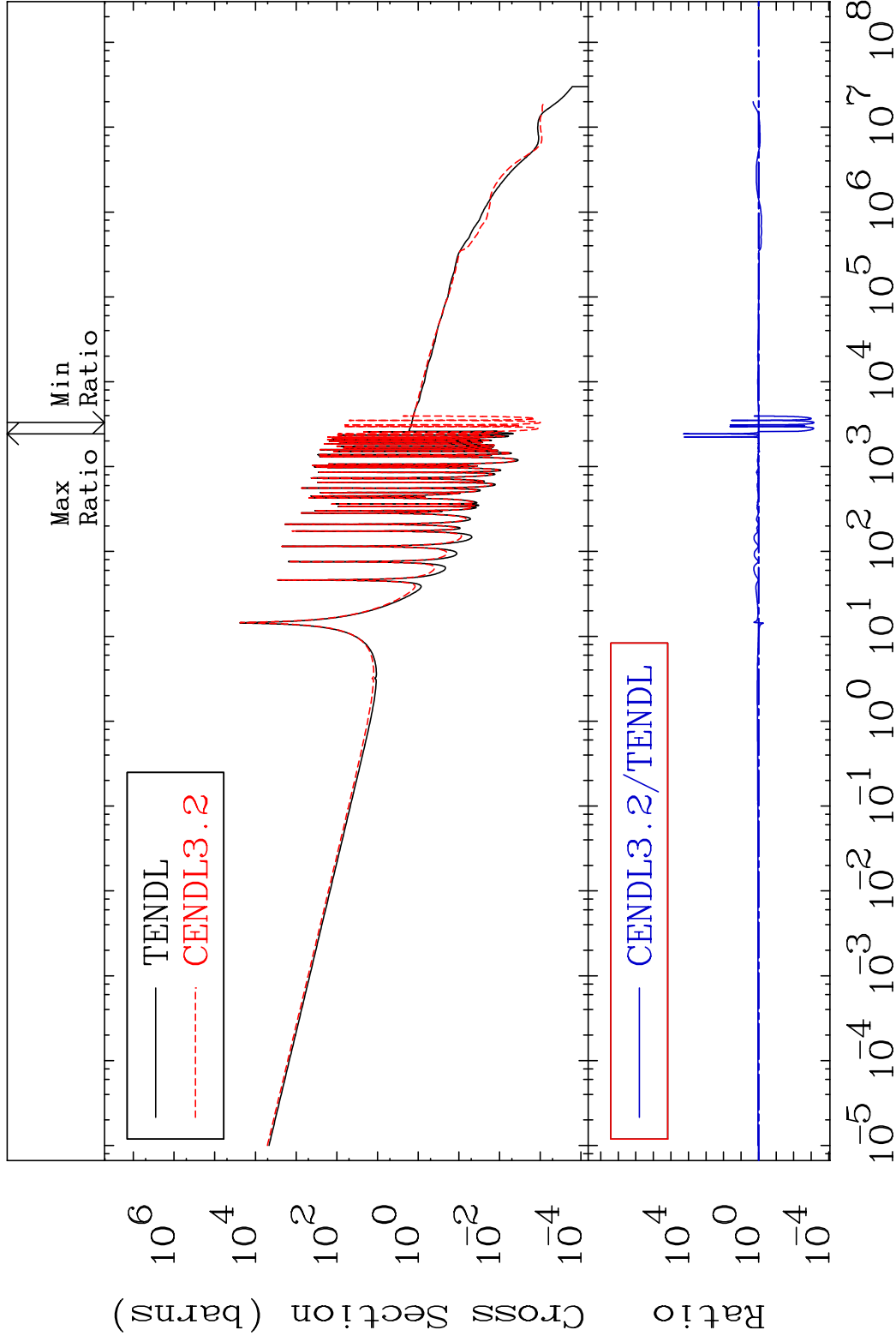
54-Xe-131

MAT 5446

(n, γ)

54-Xe-131

Cross Section -99.93 To 9999. %



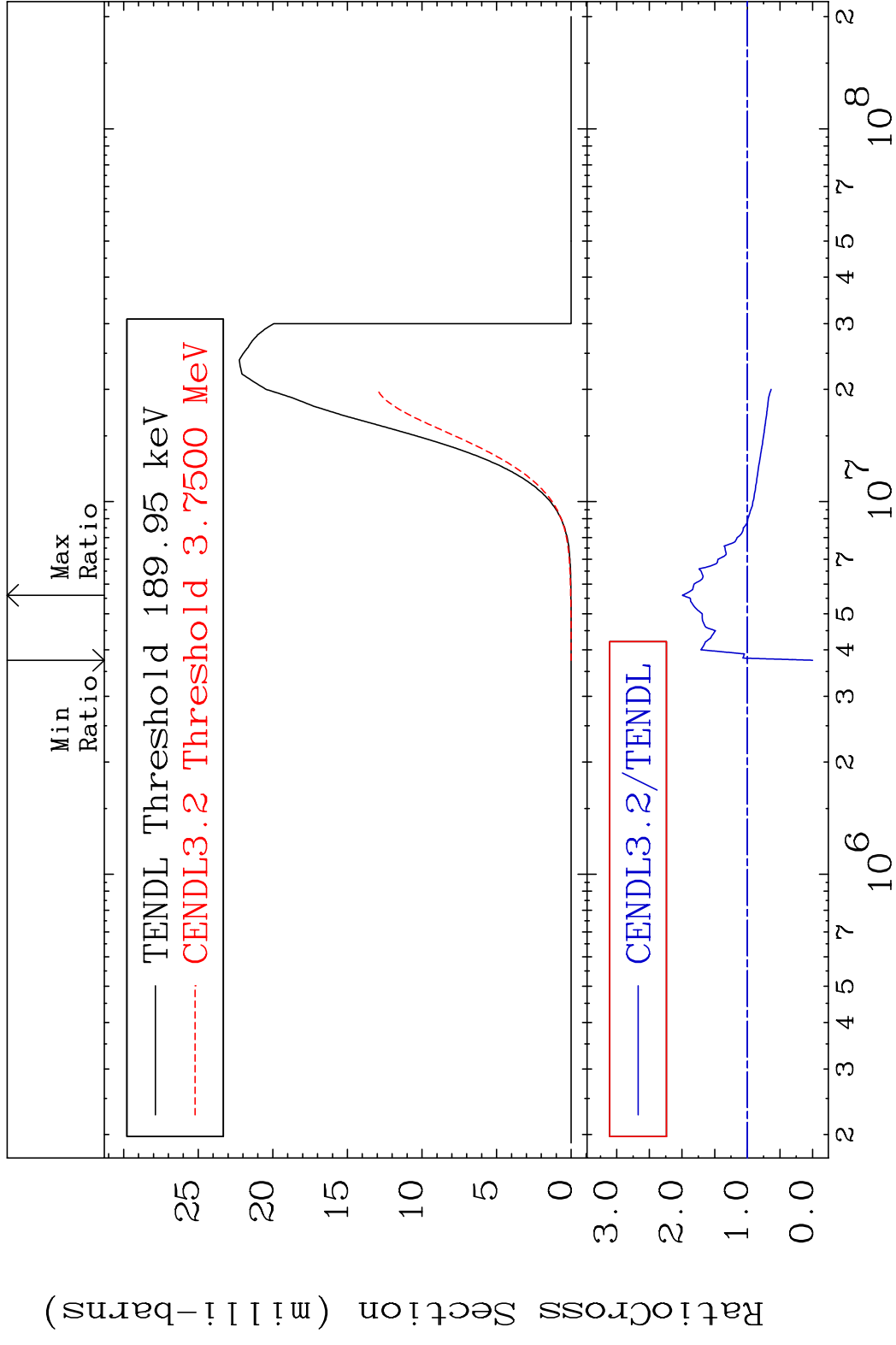
26

Incident Energy (eV)

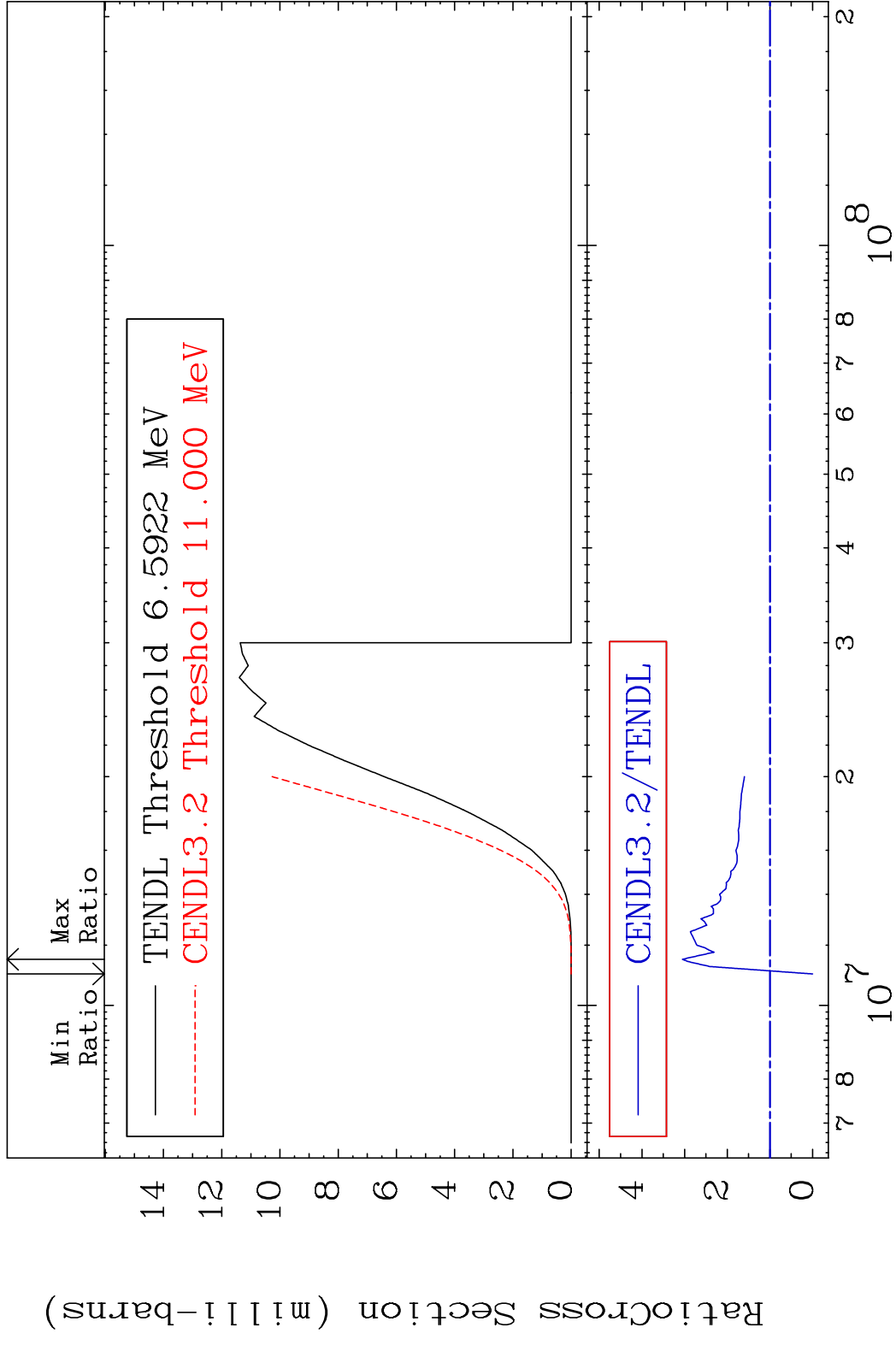
54-Xe-131

MAT 5446

(n, p) 54-Xe-131
Cross Section -100.0 To 99.51 %



MAT 5446 (n,d) 54-Xe-131
 Cross Section -100.0 To 205.2 %

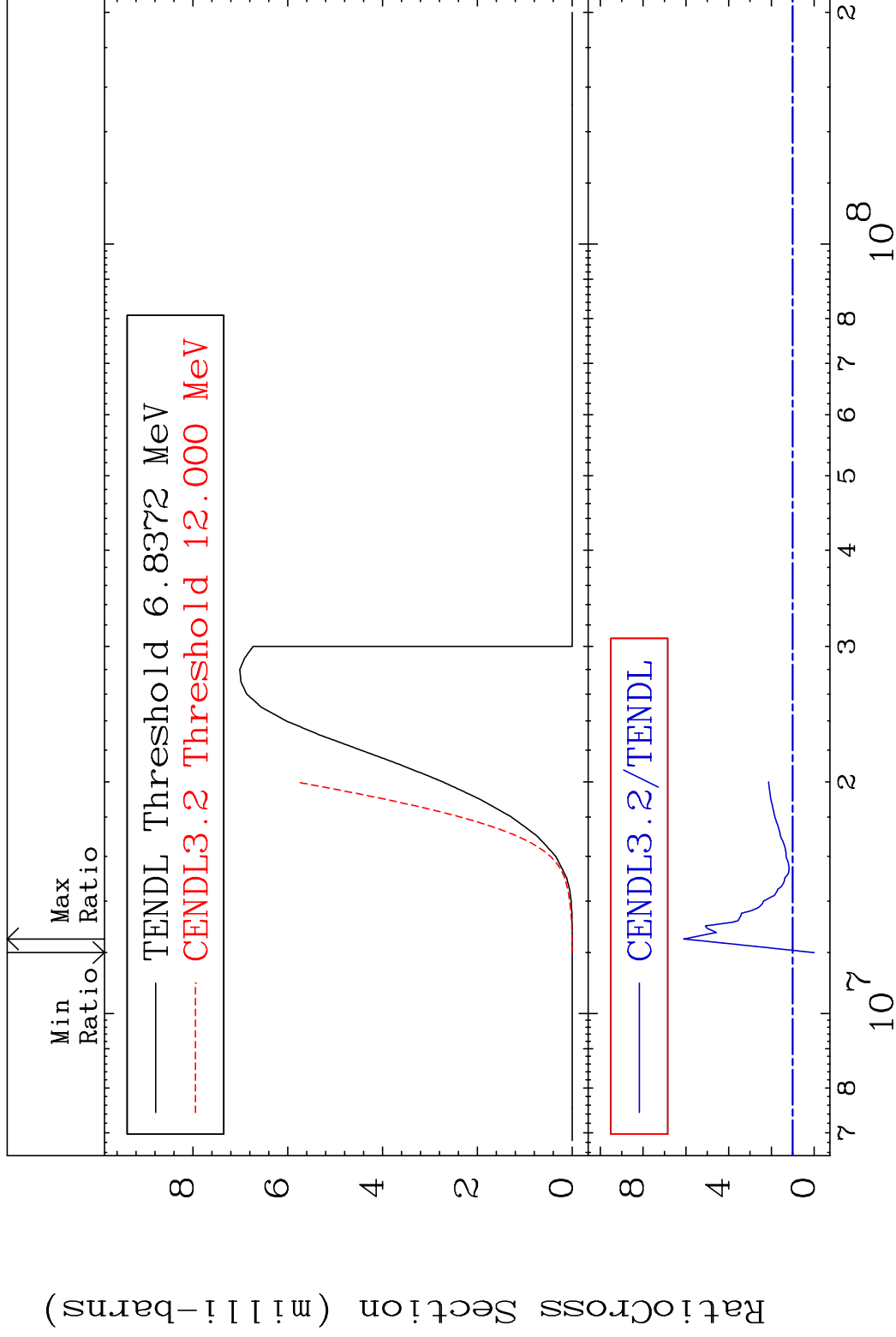


MAT 5446

(n, t)

54-Xe-131

Cross Section -100.0 To 510.4 %



29

Incident Energy (eV)

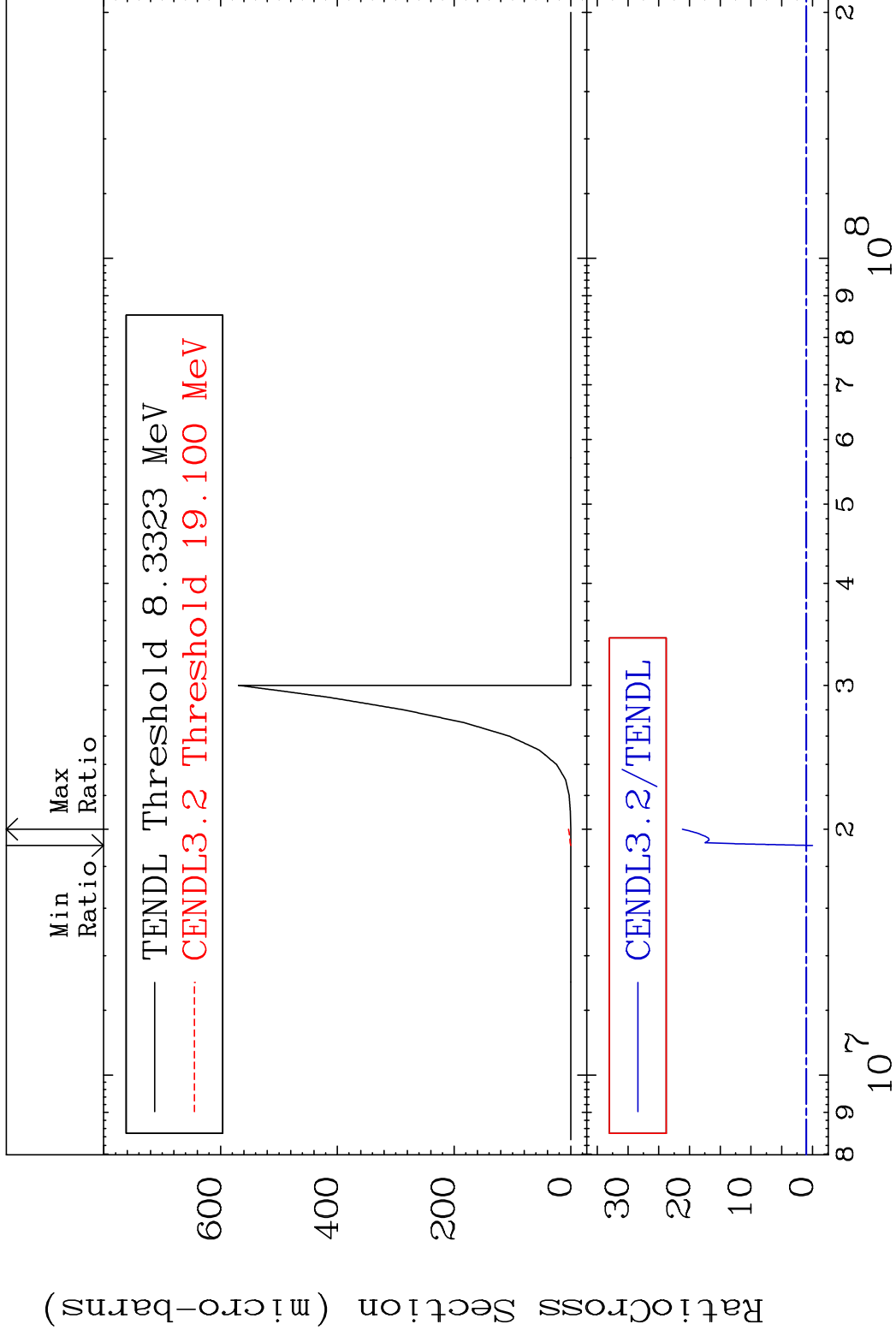
54-Xe-131

MAT 5446

(n, He-3)

54-Xe-131

Cross Section -100.0 To 2019. %



30

Incident Energy (eV)

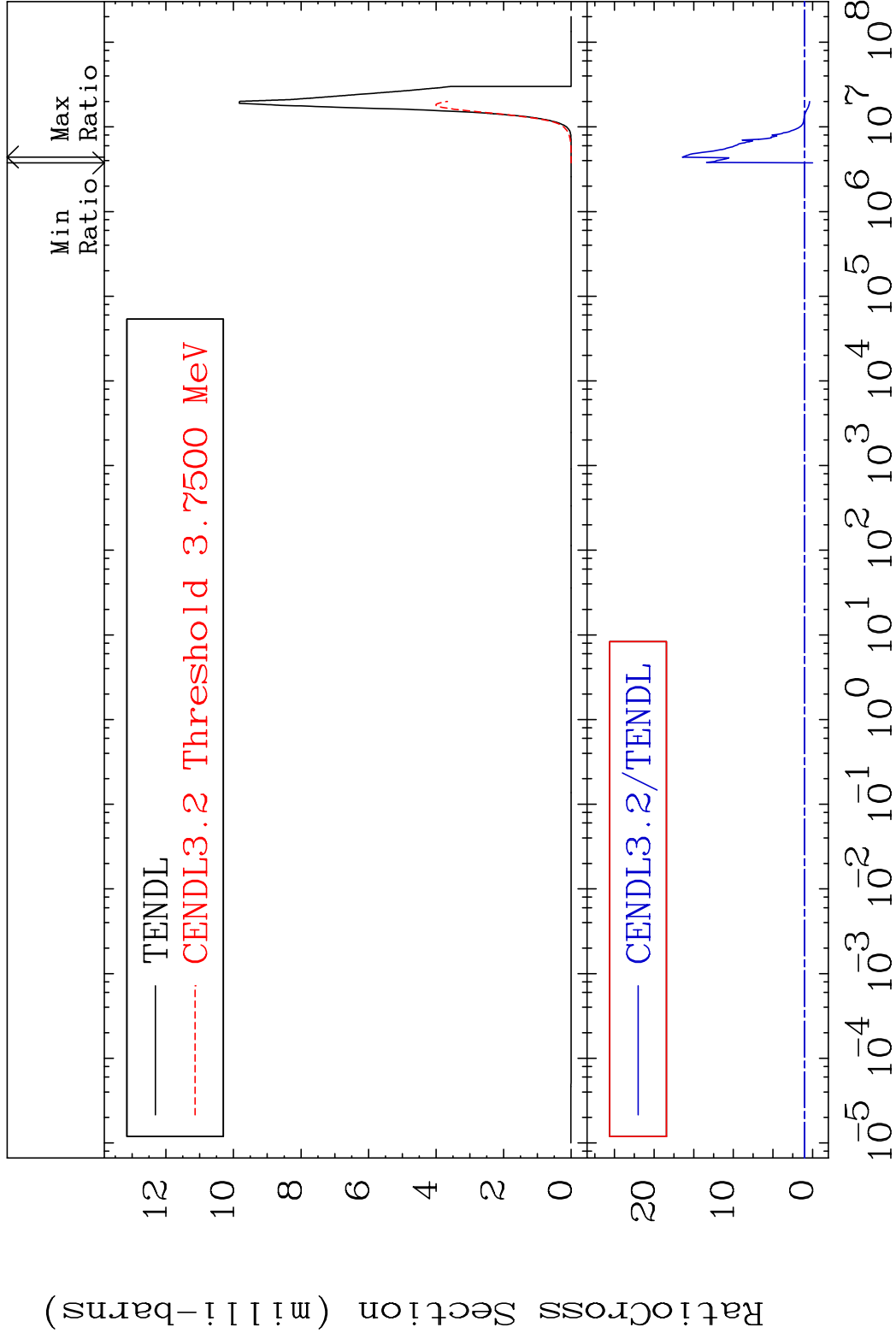
54-Xe-131

MAT 5446

(n, α)

54-Xe-131

Cross Section -100.0 To 1544. %

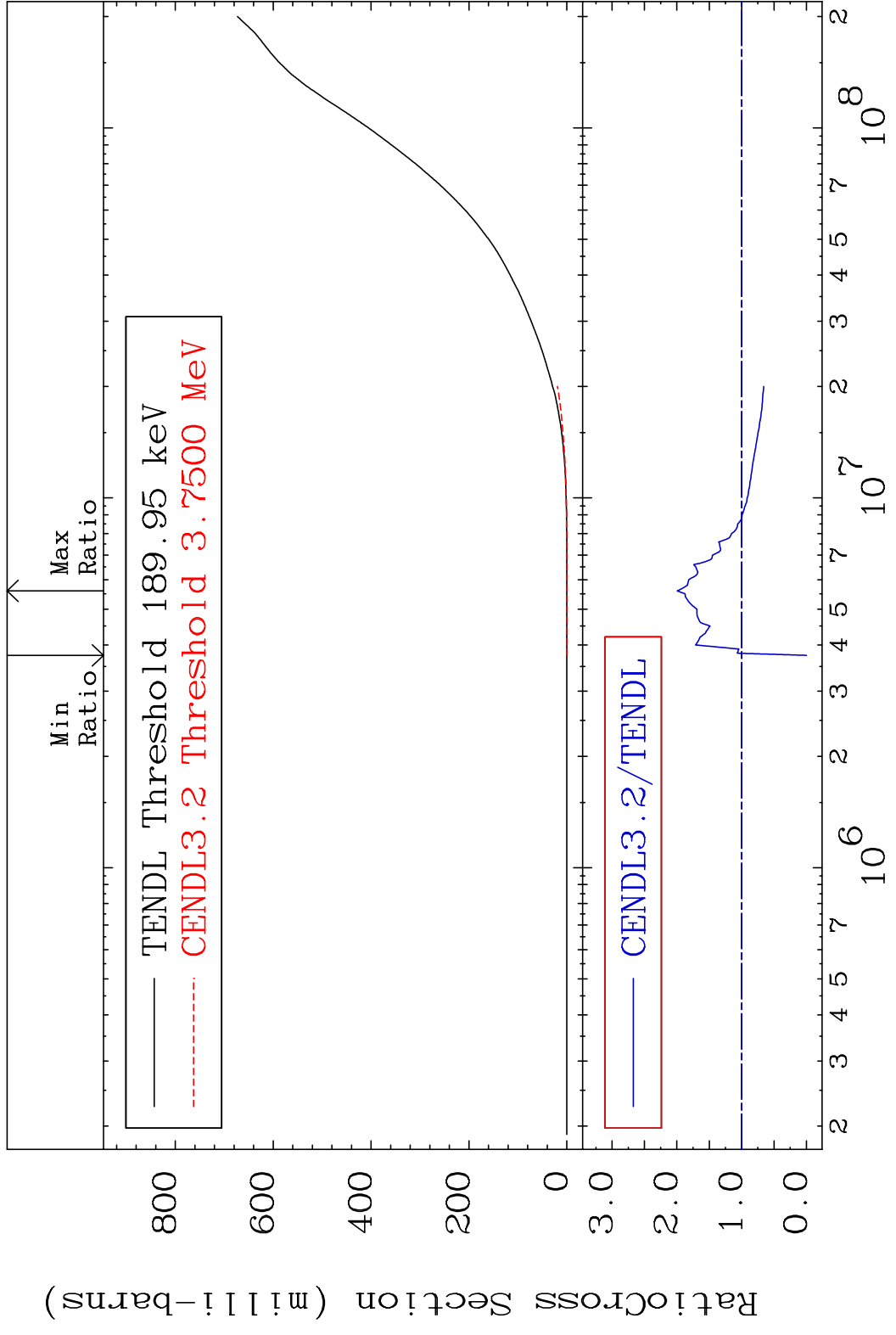


31

Incident Energy (eV)

54-Xe-131

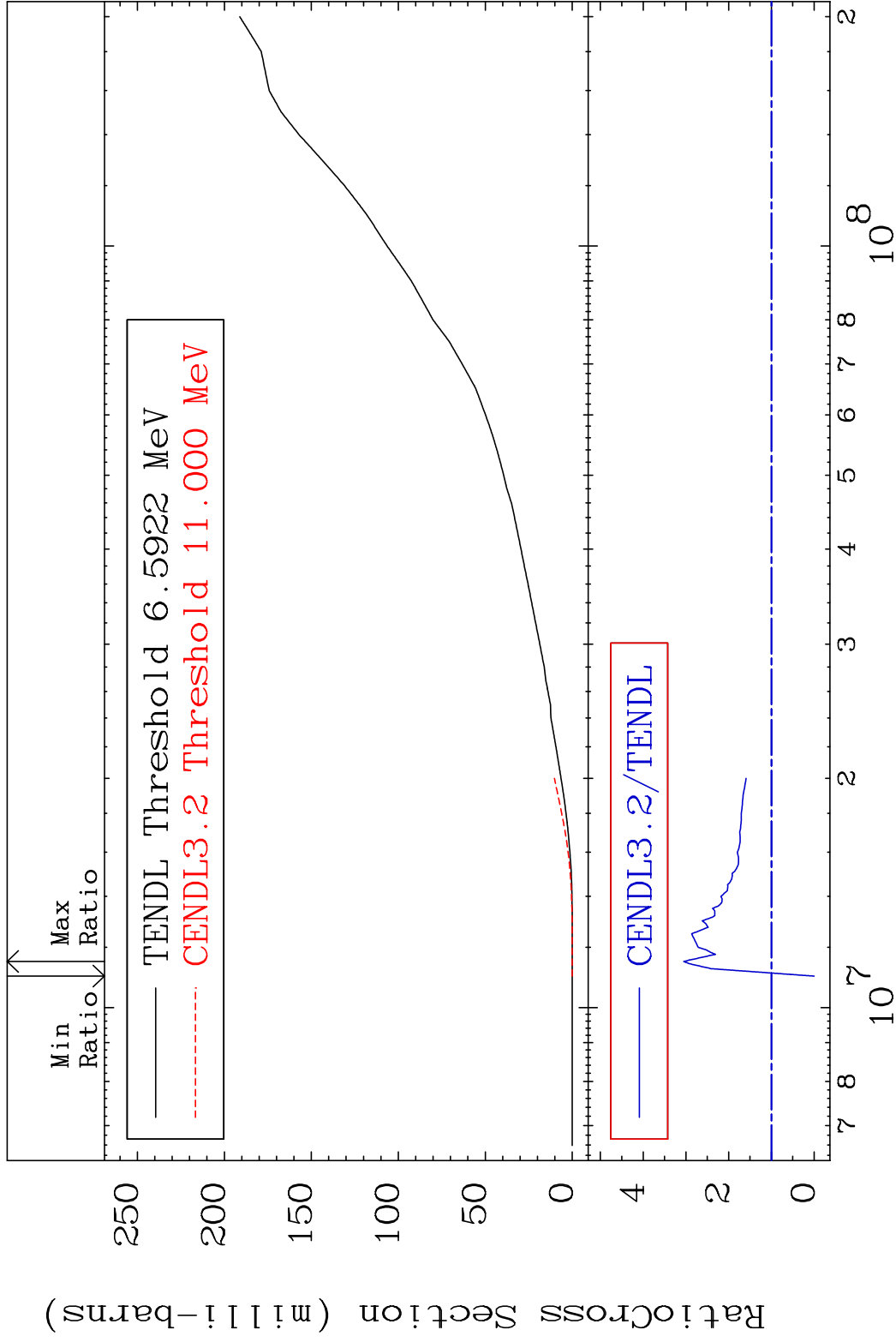
MAT 5446 Hydrogen Production 54-Xe-131
 Cross Section -100.0 To 99.51 %



MAT 5446

Deuterium Production 54-Xe-131

Cross Section -100.0 To 205.2 %



33

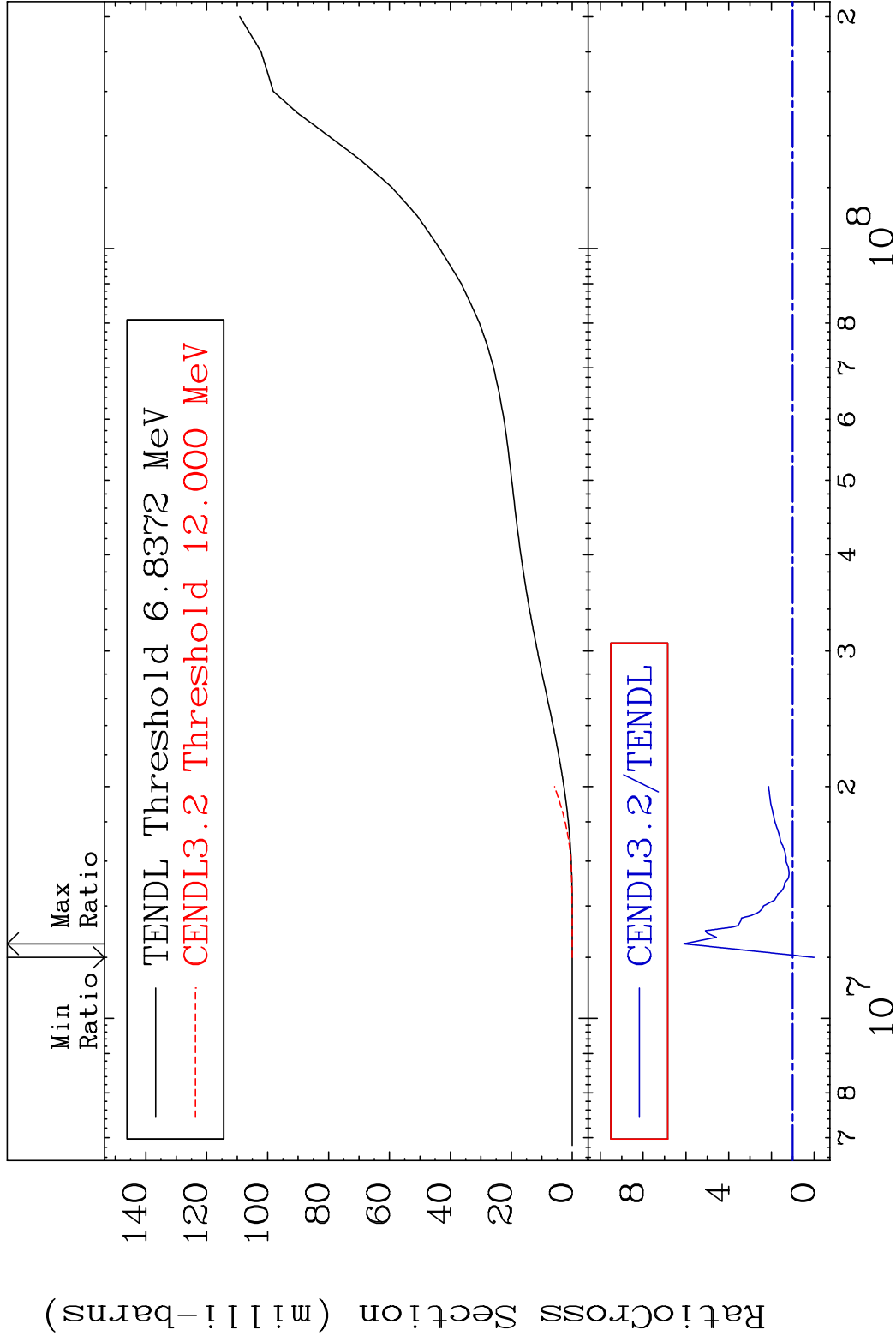
Incident Energy (eV)

54-Xe-131

MAT 5446

Tritium Production 54-Xe-131

Cross Section -100.0 To 510.4 %



34

Incident Energy (eV)

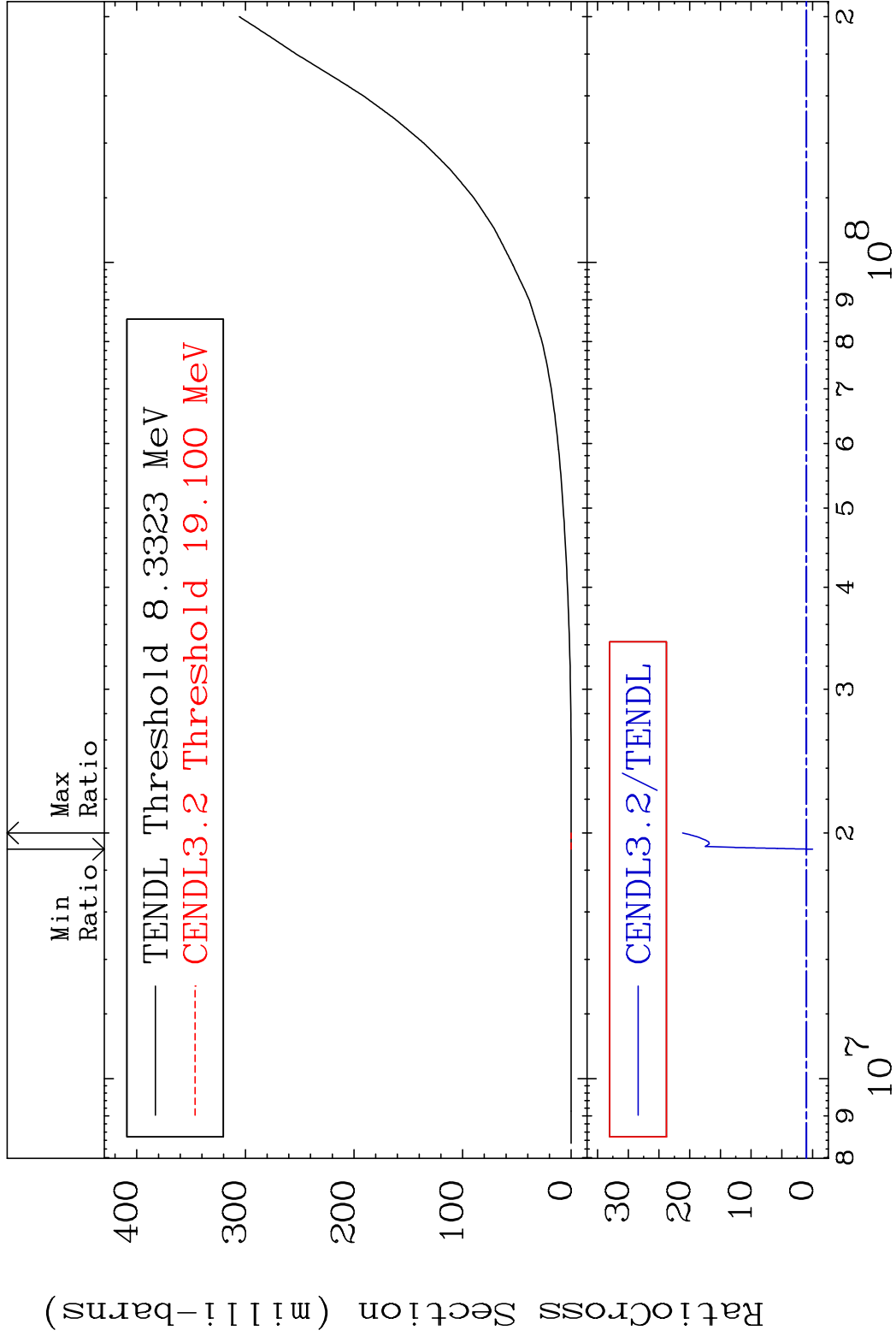
54-Xe-131

MAT 5446

He-3 Production

54-Xe-131

Cross Section -100.0 To 2019. %



35

Incident Energy (eV)

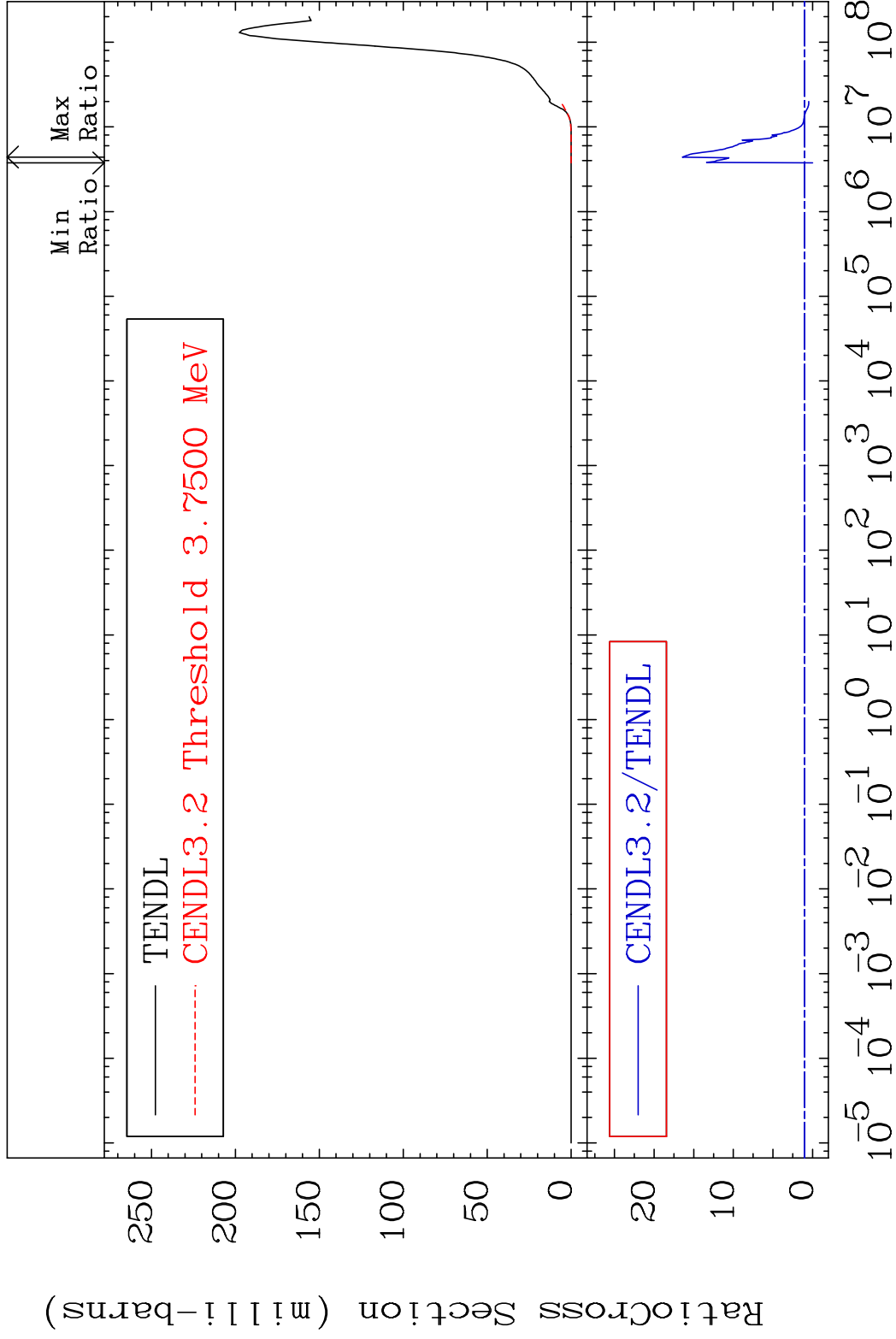
54-Xe-131

MAT 5446

He-4 Production

54-Xe-131

Cross Section -100.0 To 1544. %

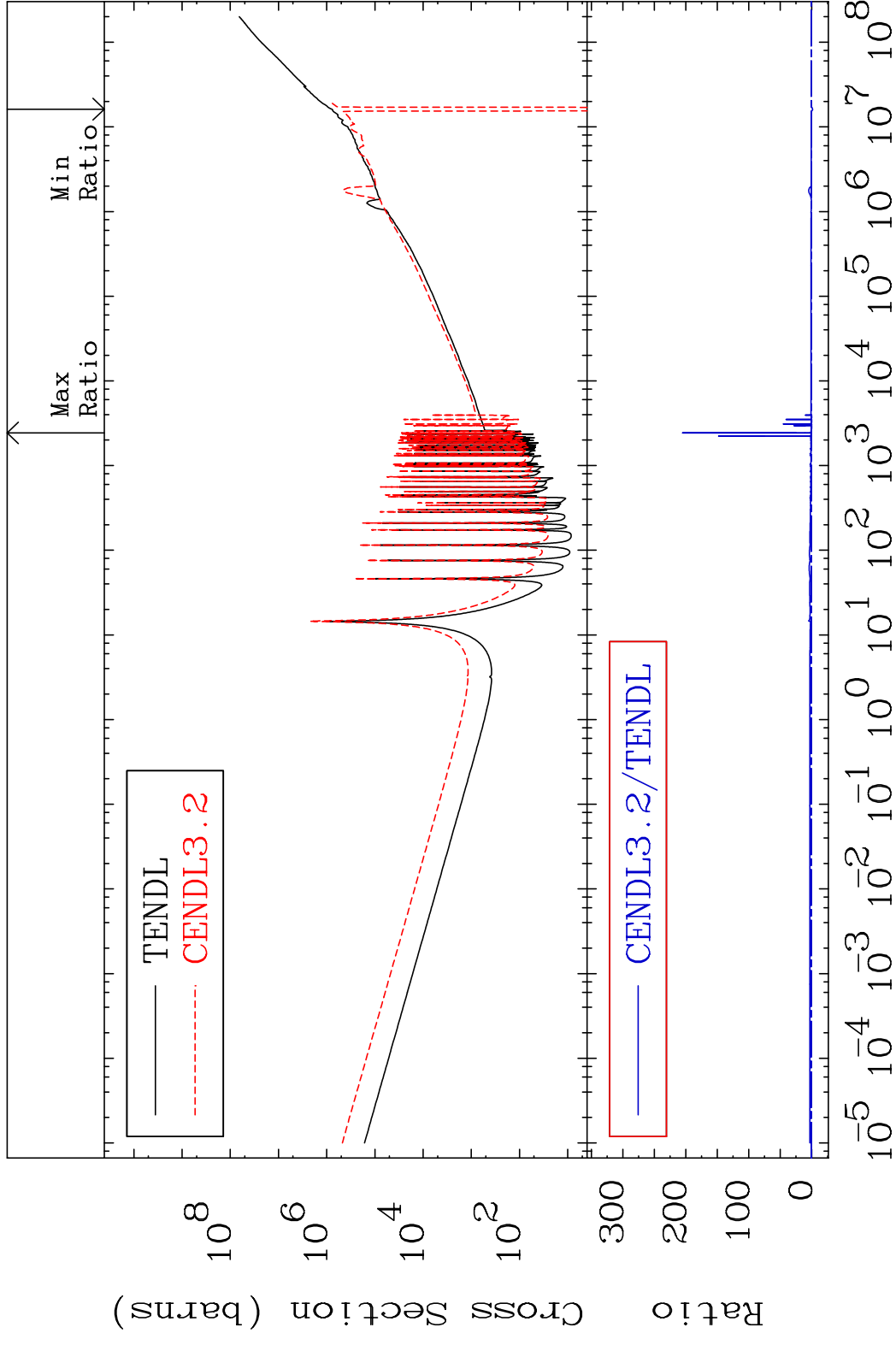


36

Incident Energy (eV)

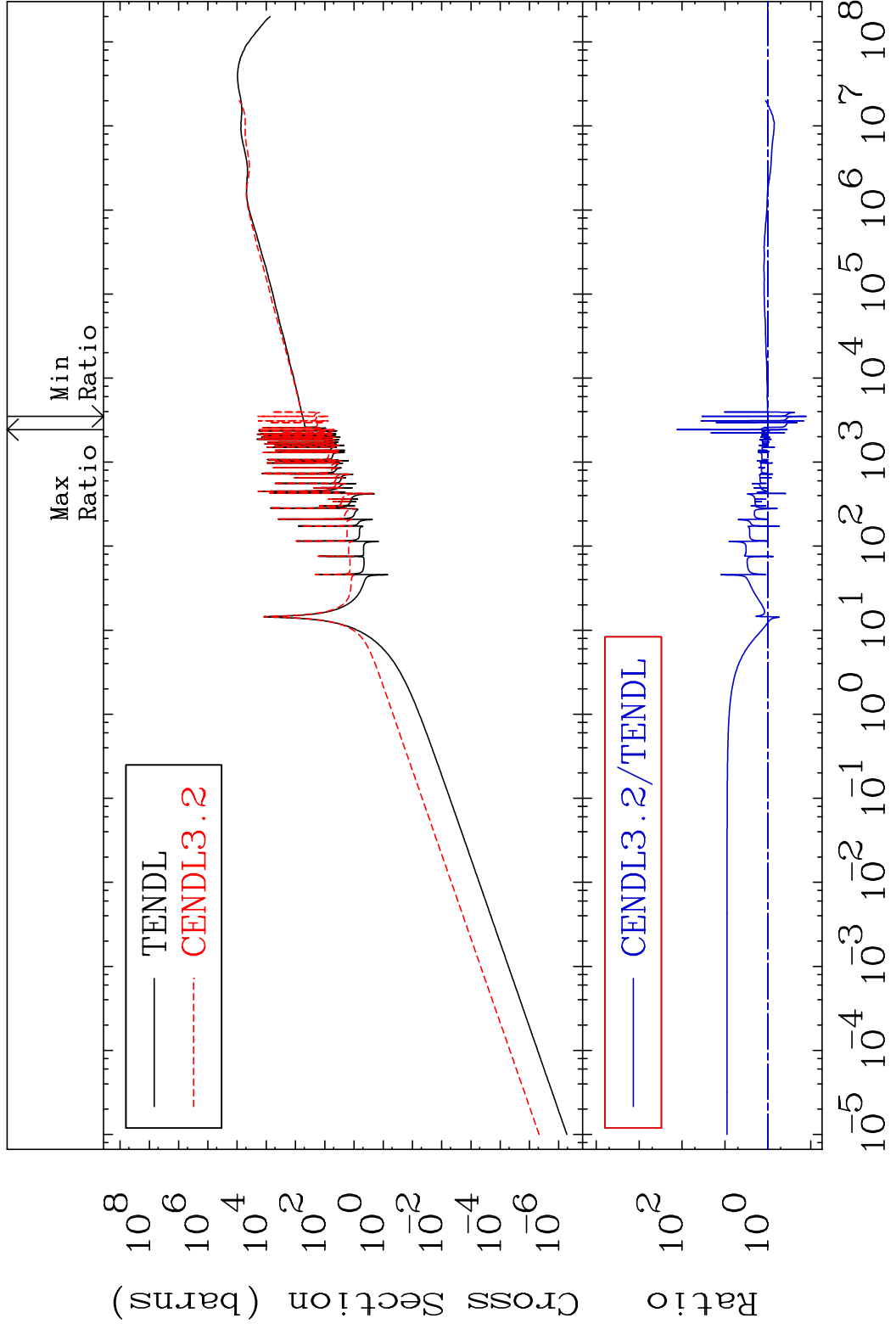
54-Xe-131

MAT 5446 Kerma total (eV-barns) 54-Xe-131
 Cross Section -220.6 To 9999. %

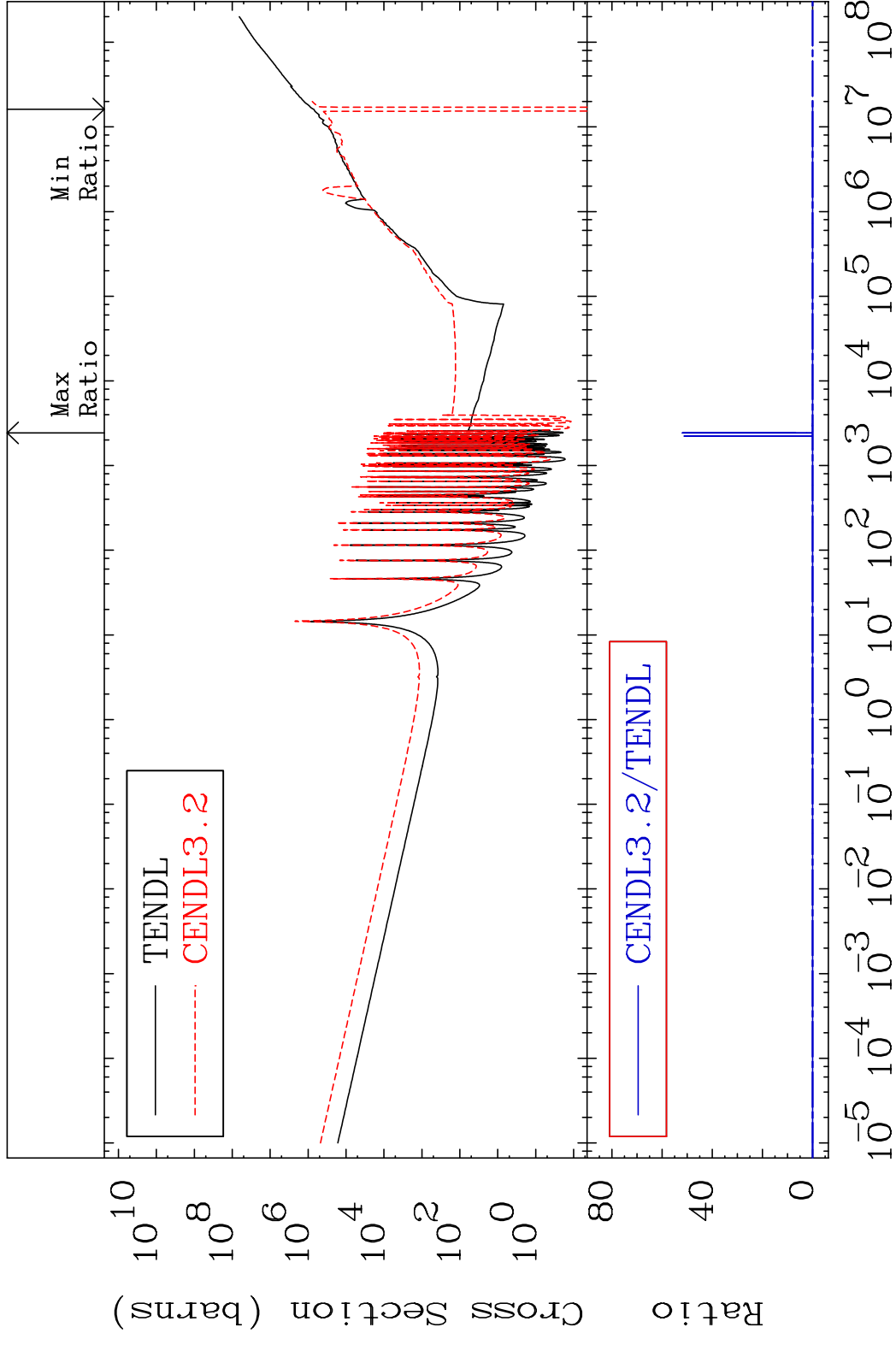


MAT 5446

Kerma elastic Cross Section -87.41 To 9999. %
54-Xe-131

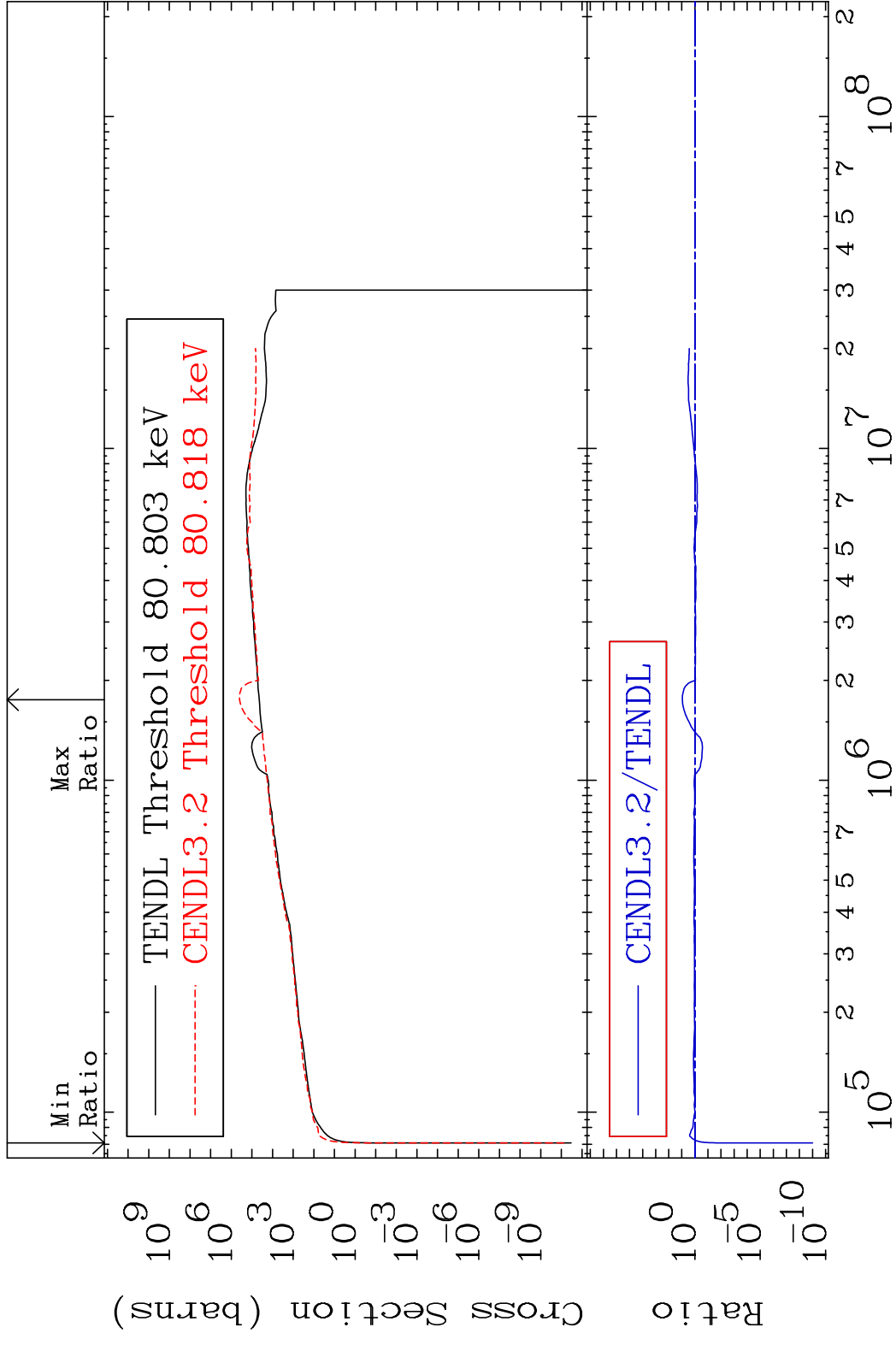


MAT 5446 Kerma non-elastic (all but mt2) 54-Xe-131
 Cross Section -240.7 To 9999. %



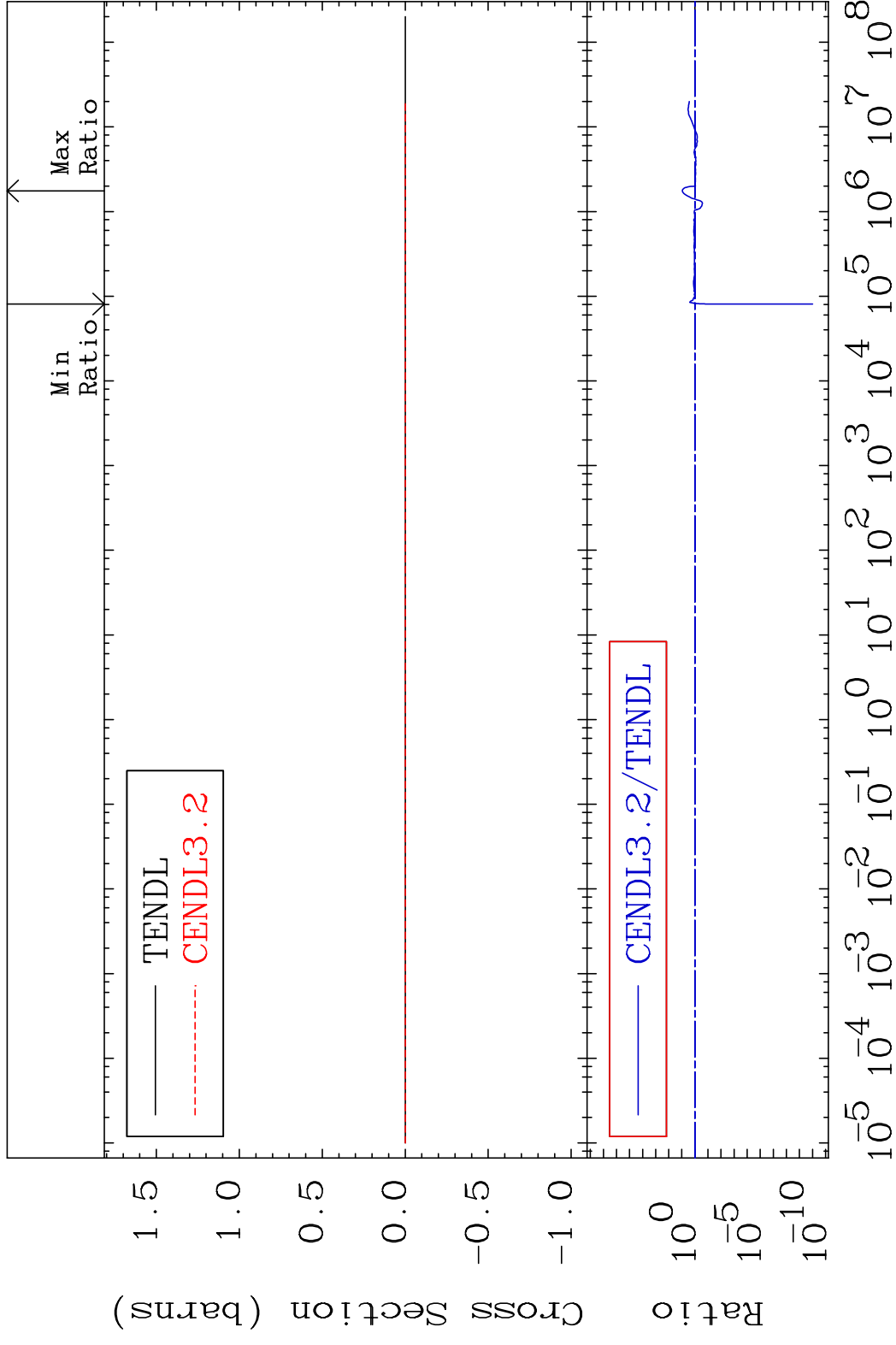
39 Incident Energy (eV) 54-Xe-131

MAT 5446 Kerma inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 809.3 %



40 Incident Energy (eV) 54-Xe-131

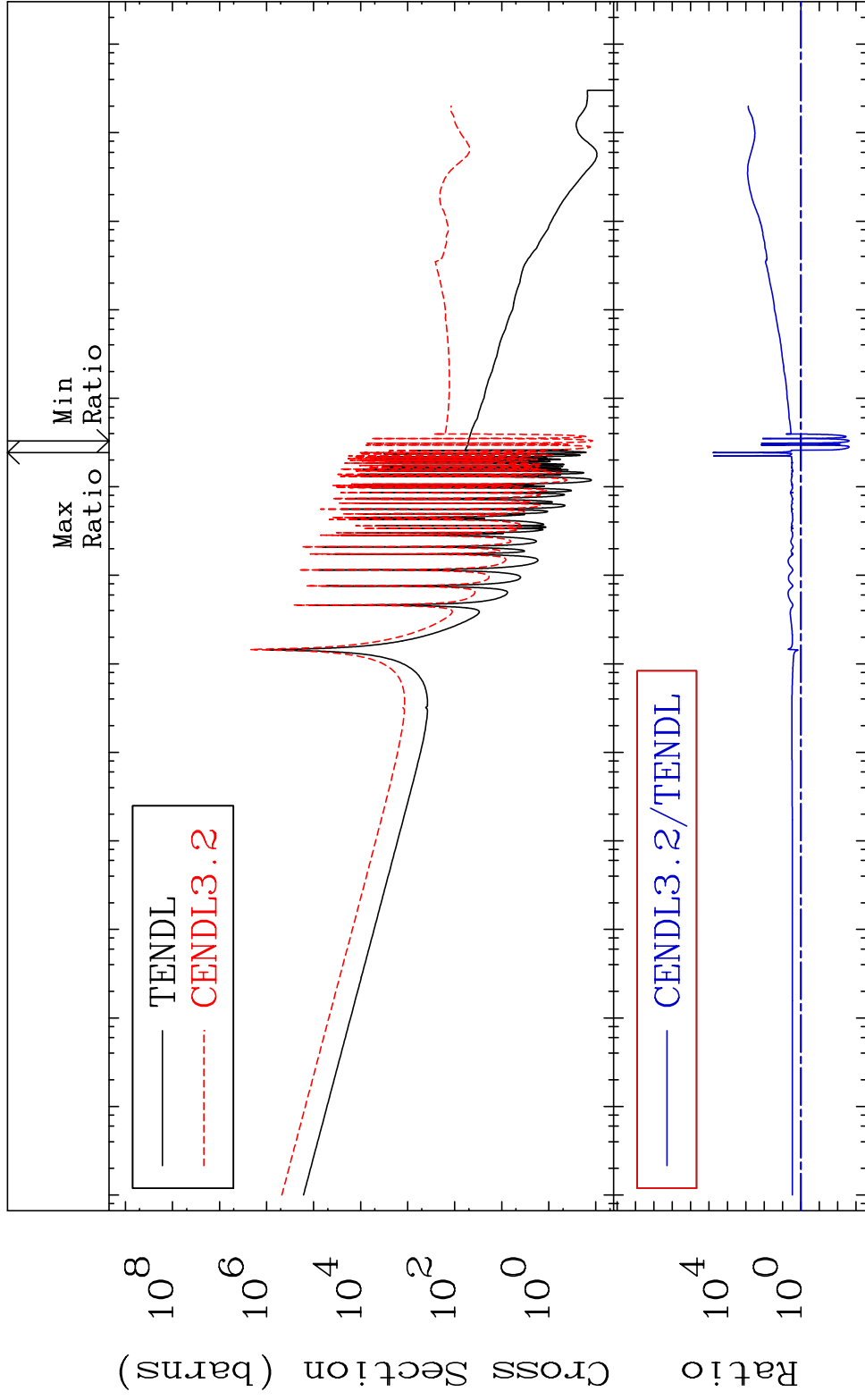
MAT 5446 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-131
 Cross Section -100.0 To 809.3 %



MAT 5446

Kerma capture (mt102) 54-Xe-131

Cross Section -99.77 To 9999. %

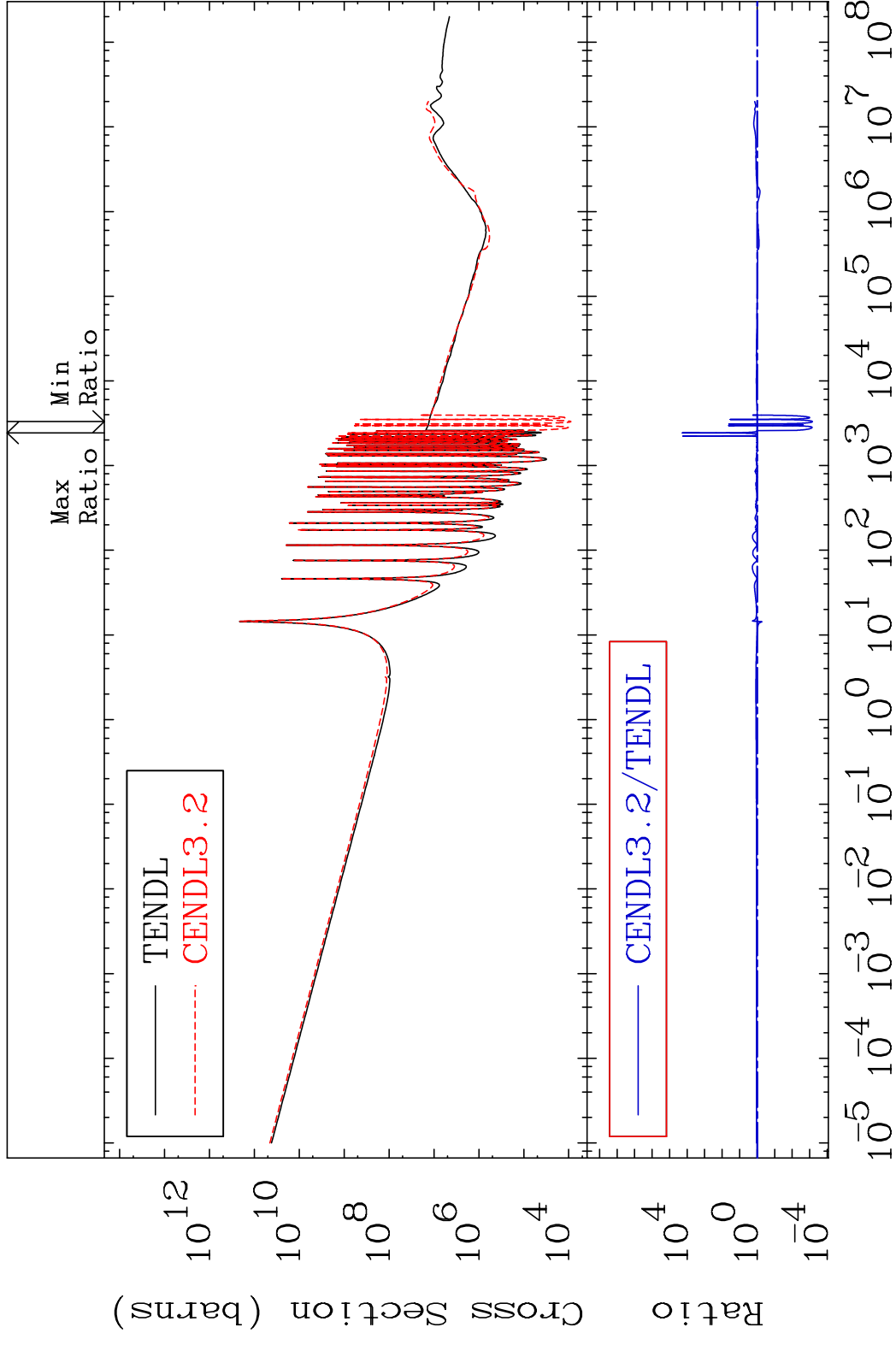


42

Incident Energy (eV)

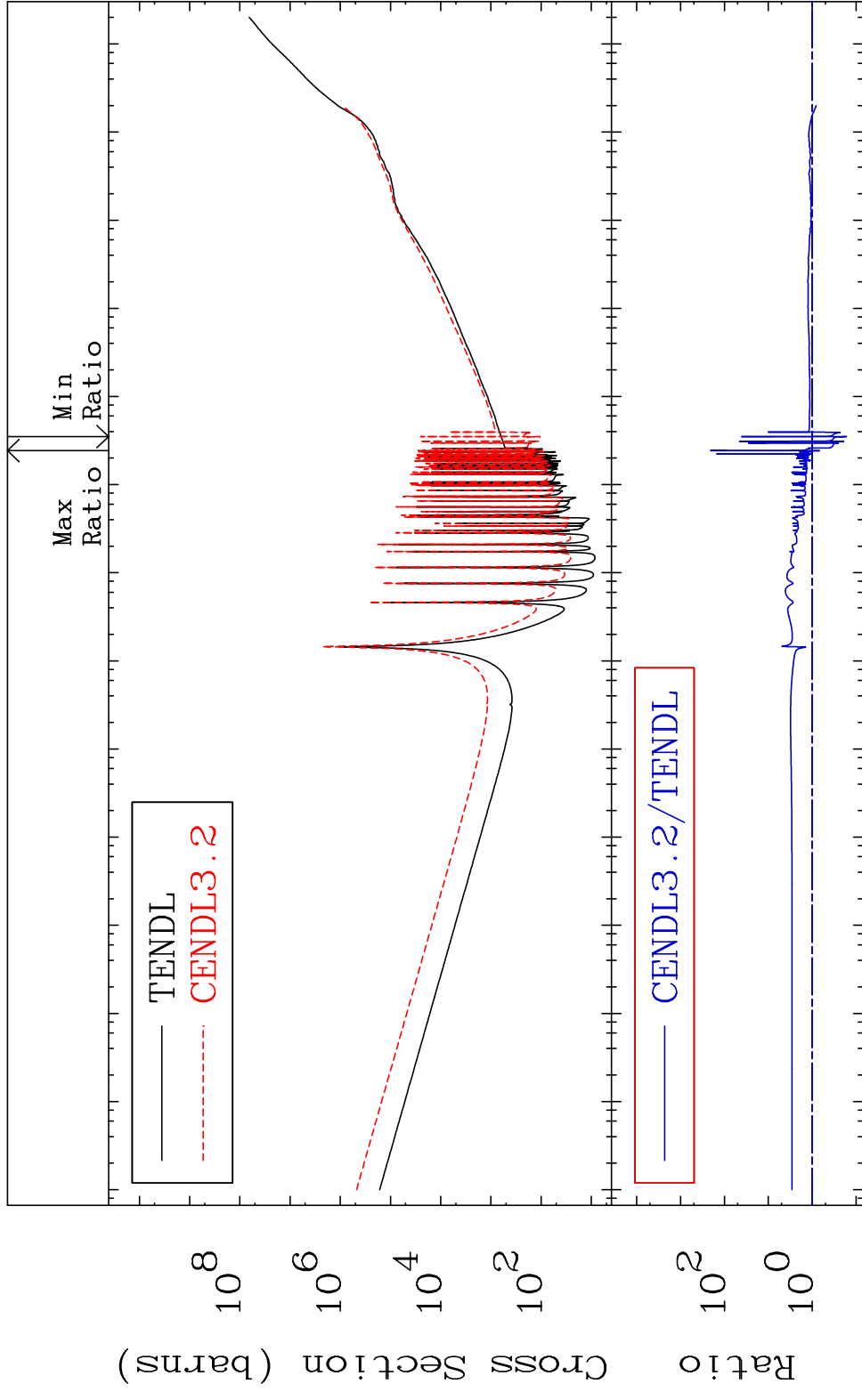
54-Xe-131

MAT 5446 Total photon (eV-barns) 54-Xe-131
 Cross Section -99.93 To 9999. %



43 Incident Energy (eV) 54-Xe-131

MAT 5446 Total kinematic kerma (high limit) 54-Xe-131
 Cross Section -83.33 To 9999. %

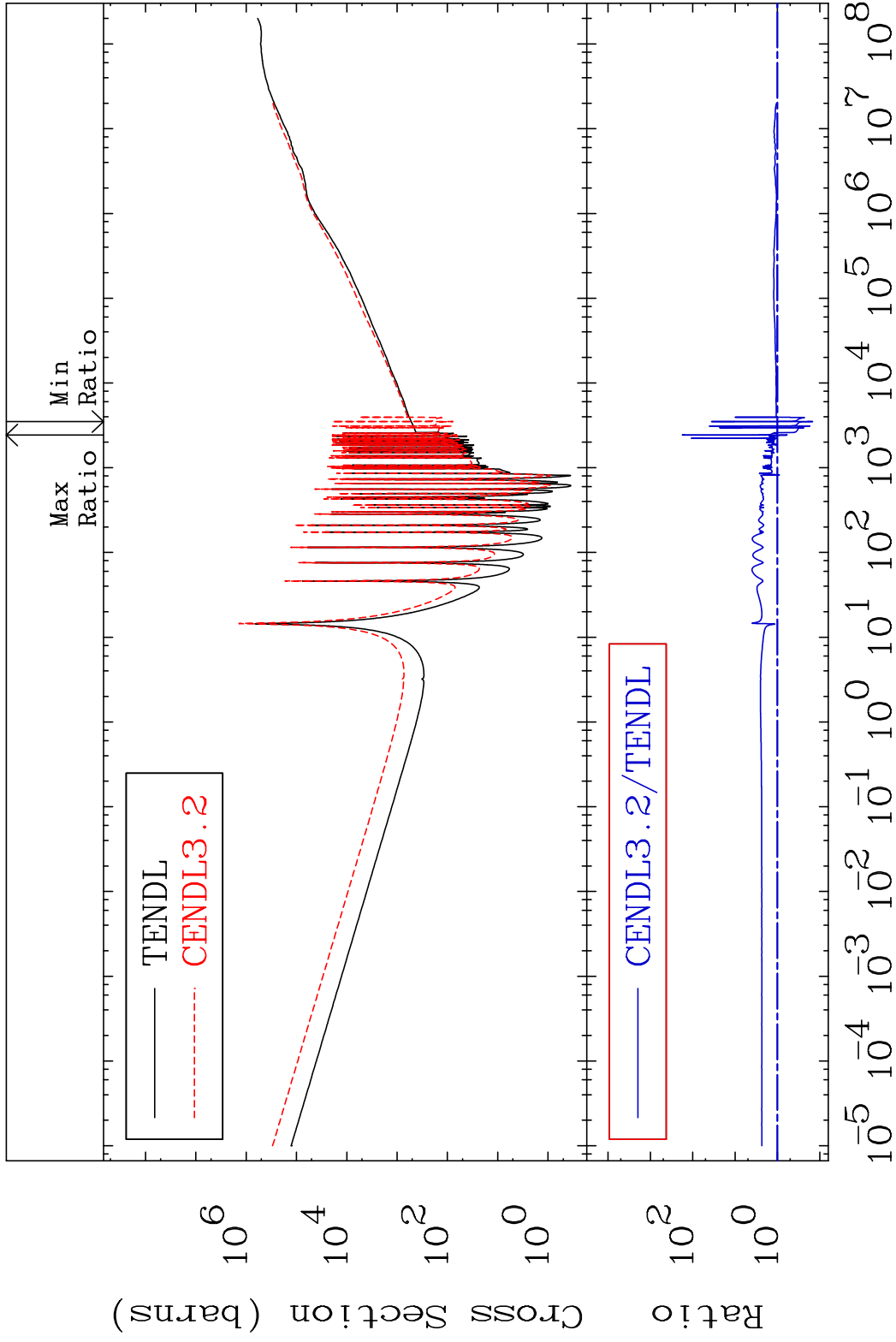


MAT 5446

Dpa total (eV-barns)

54-Xe-131

Cross Section -85.14 To 9999. %



45

Incident Energy (eV)

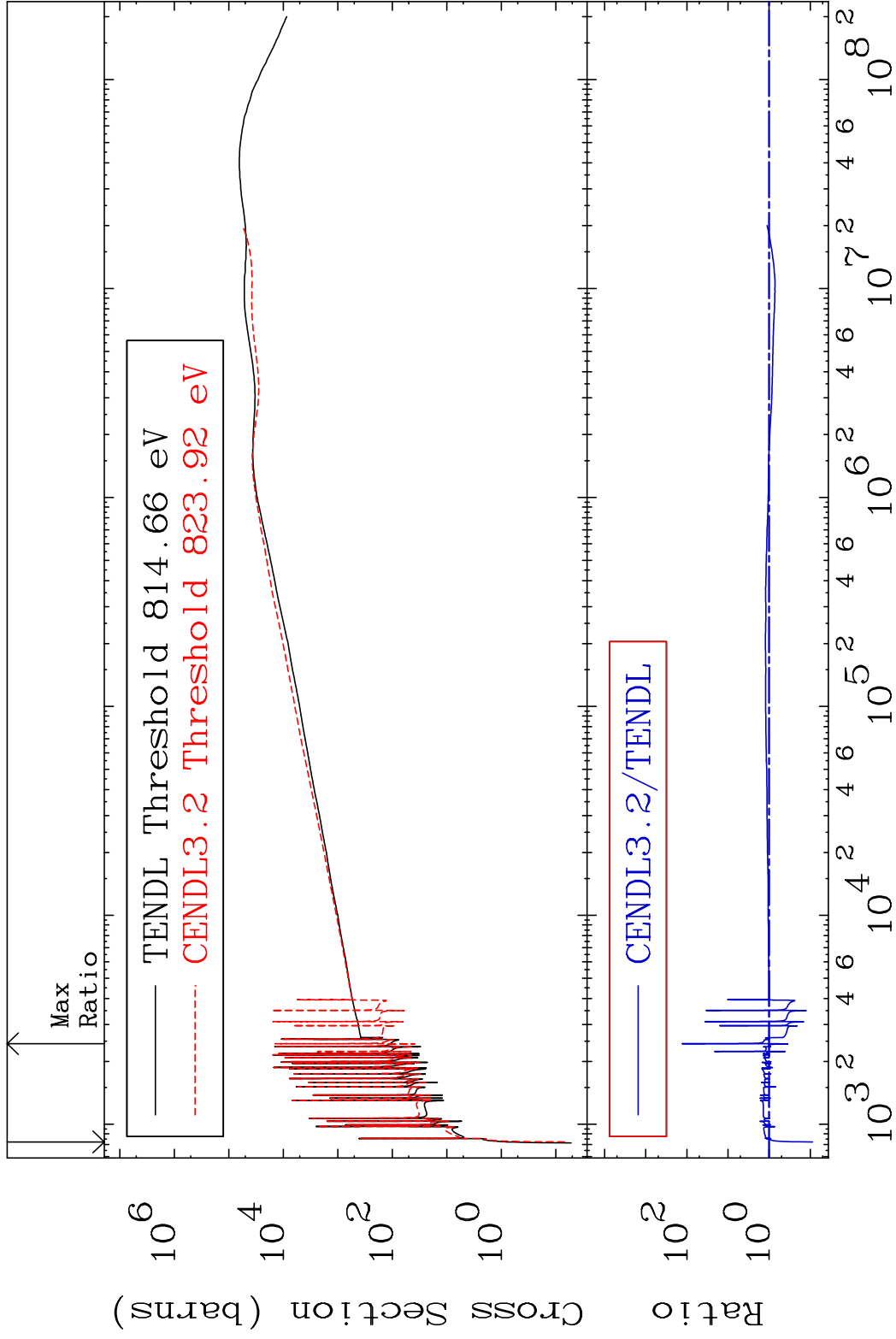
54-Xe-131

MAT 5446

Dpa elastic (mt2)

54-Xe-131

Cross Section -91.19 To 9999. %

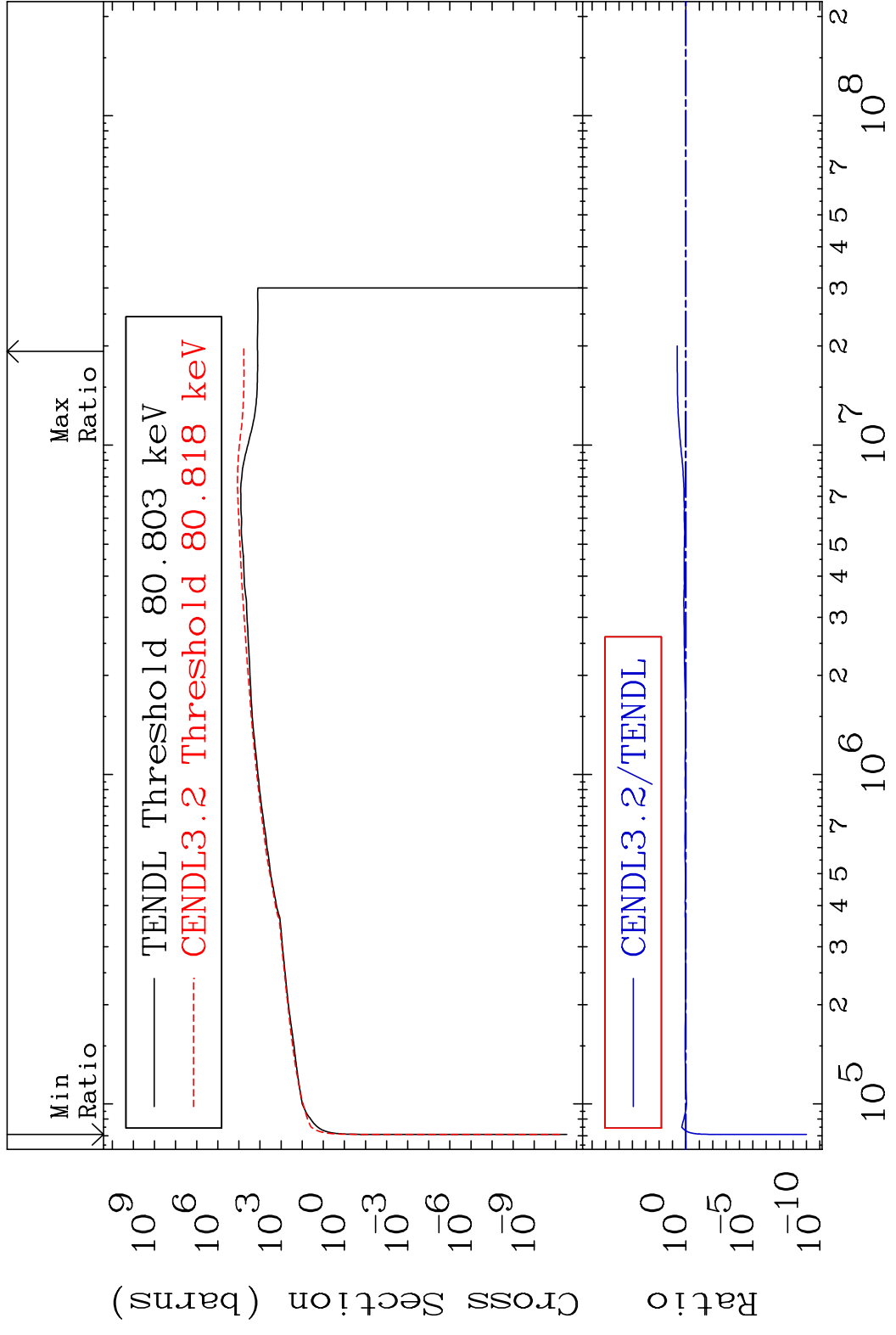


46

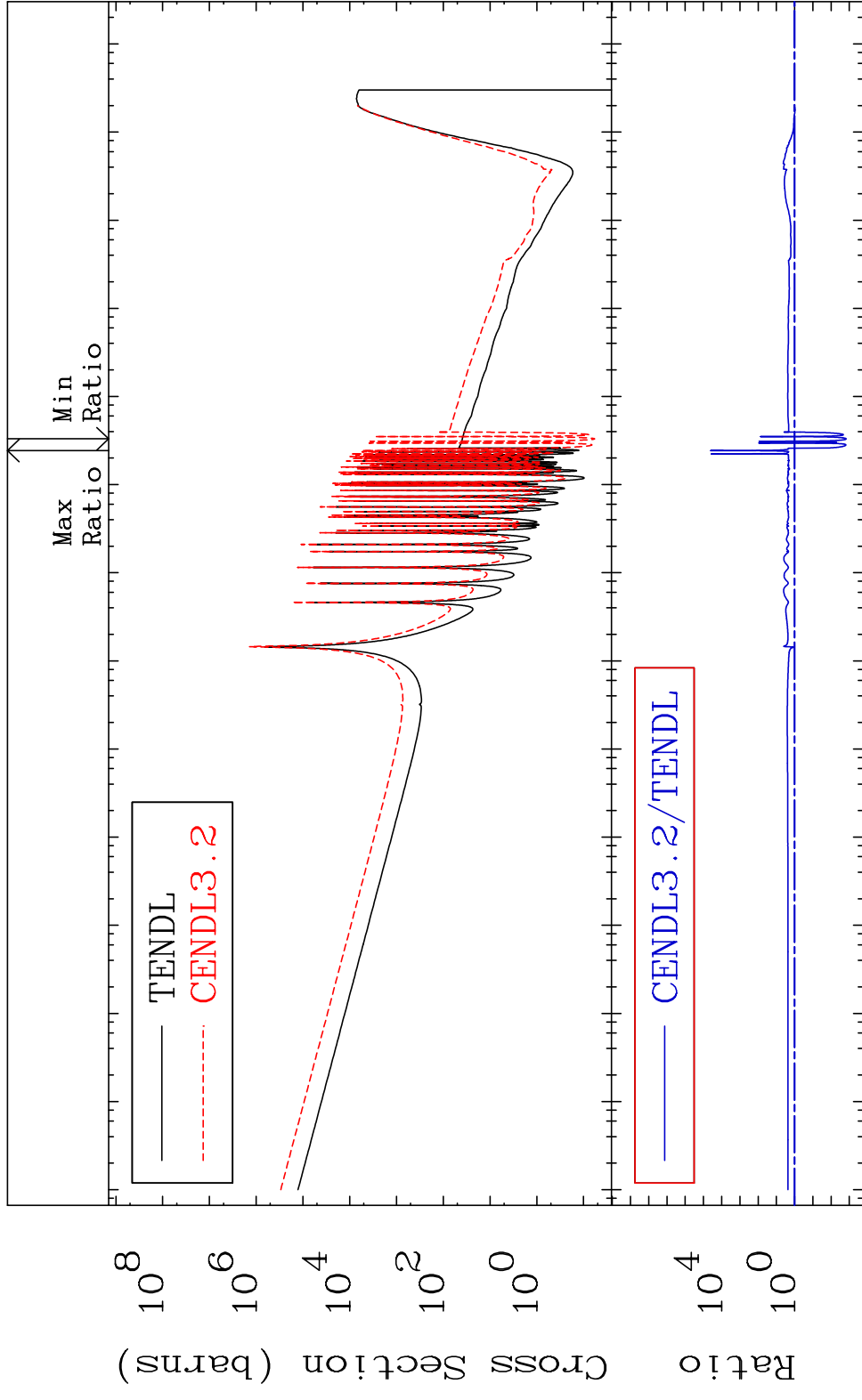
Incident Energy (eV)

54-Xe-131

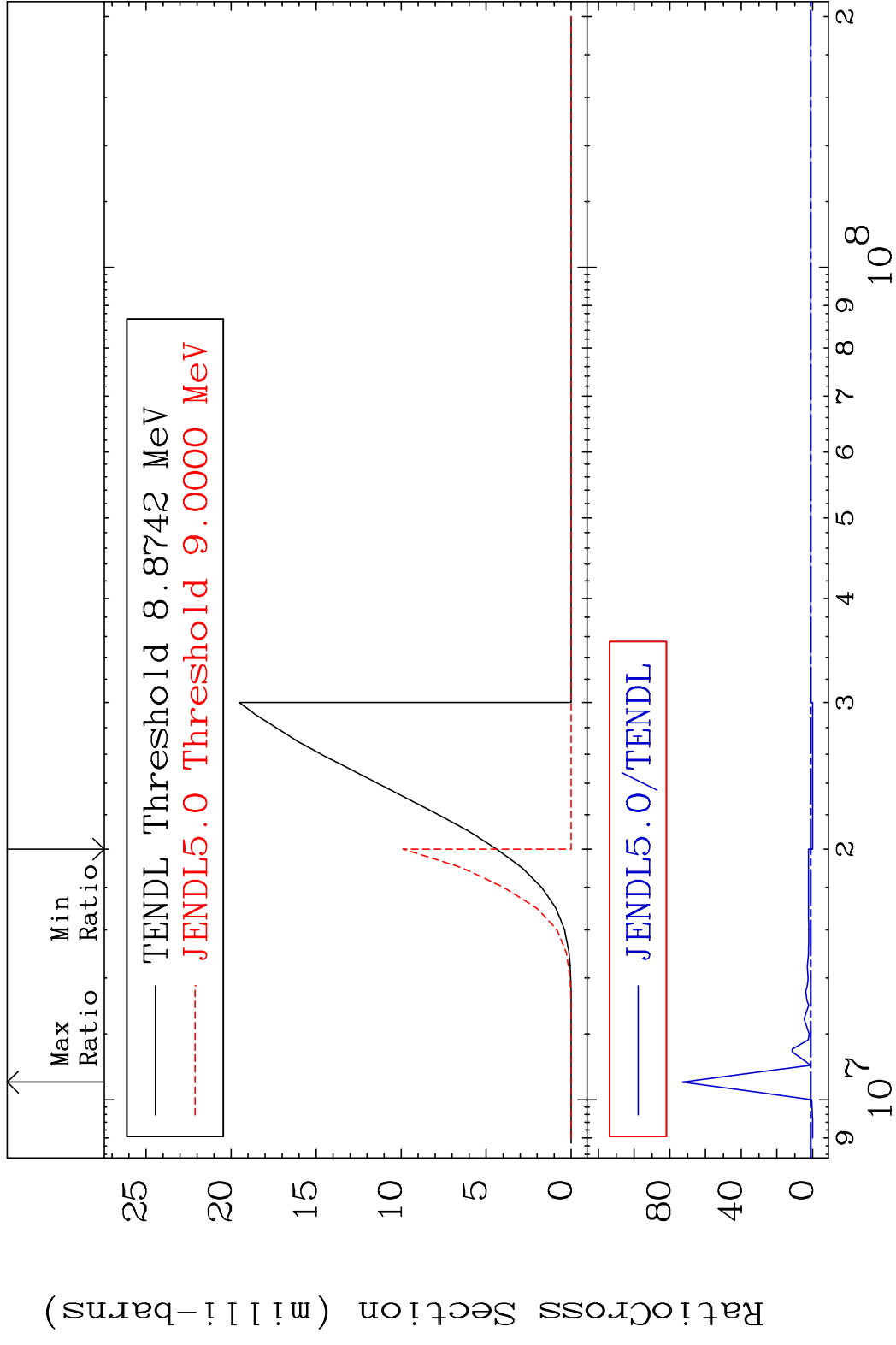
MAT 5446 Dpa inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 349.7 %



MAT 5446 Dpa disappearance (mt102 -120) 54-Xe-131
 Cross Section -99.85 To 9999. %

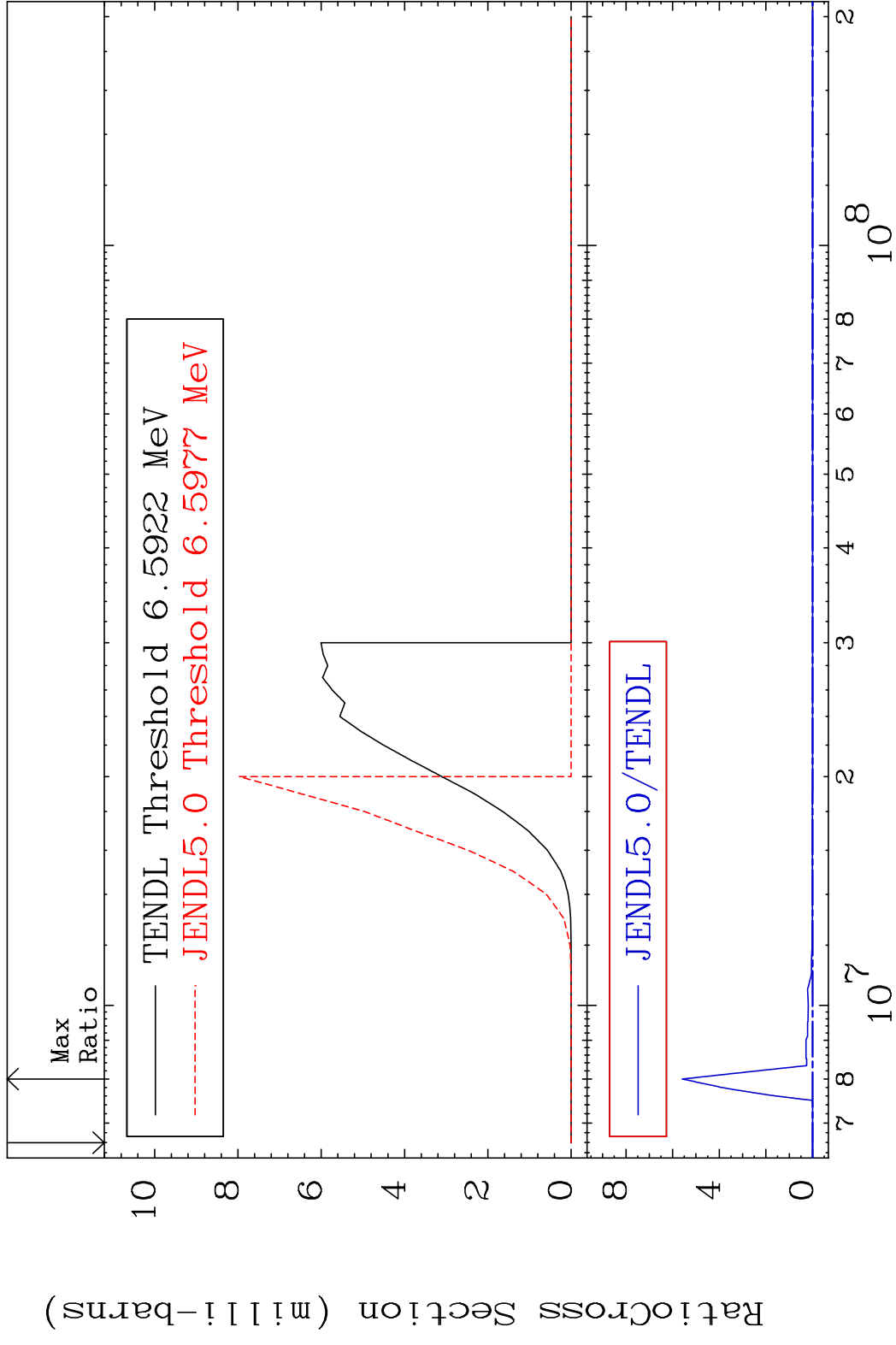


MAT 5446 (n, n') p:53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section 1800 d to 7196. %

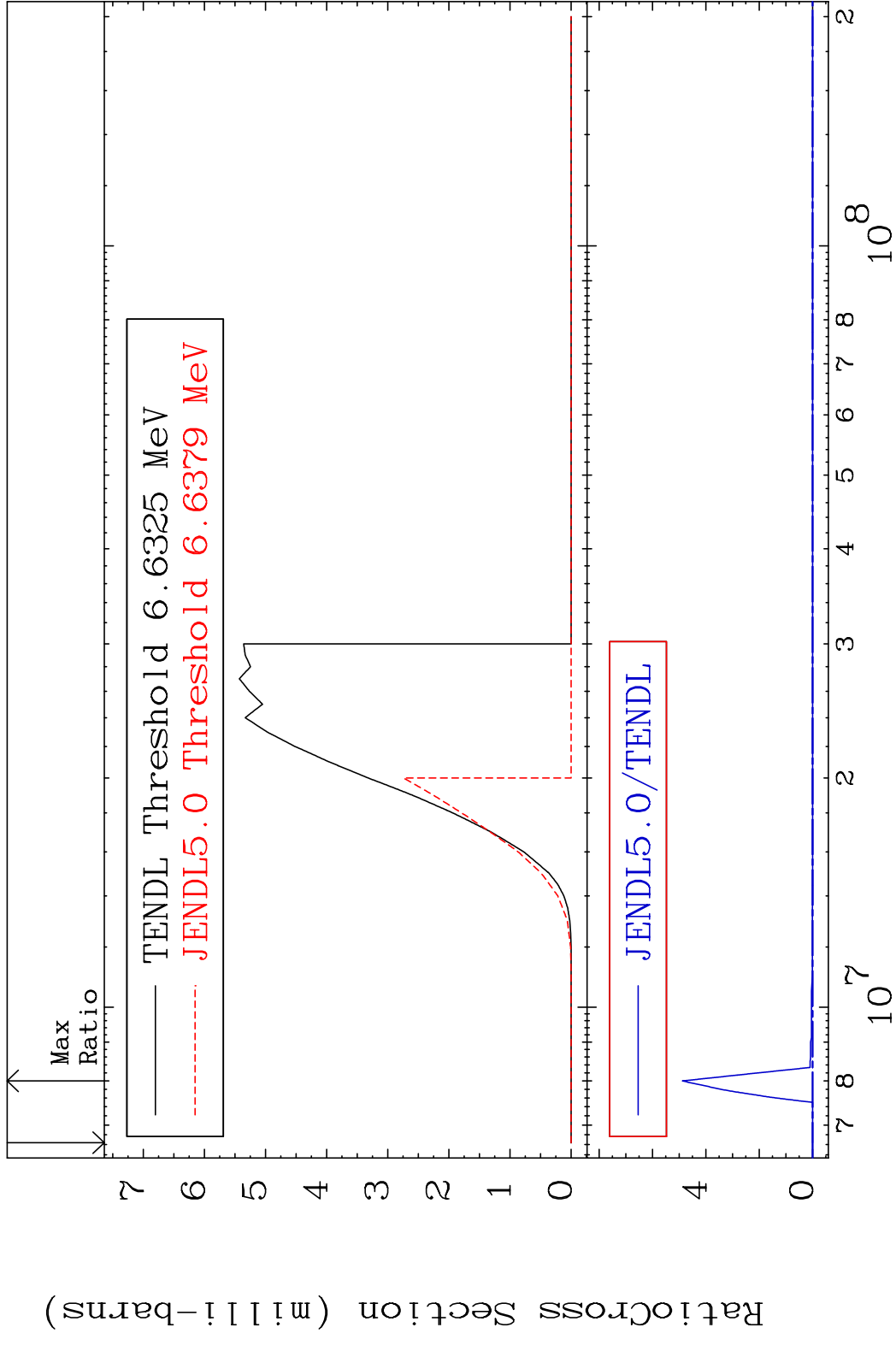


49 Incident Energy (eV) 54-Xe-131

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



MAT 5446 (n, d):53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section to 9999. %

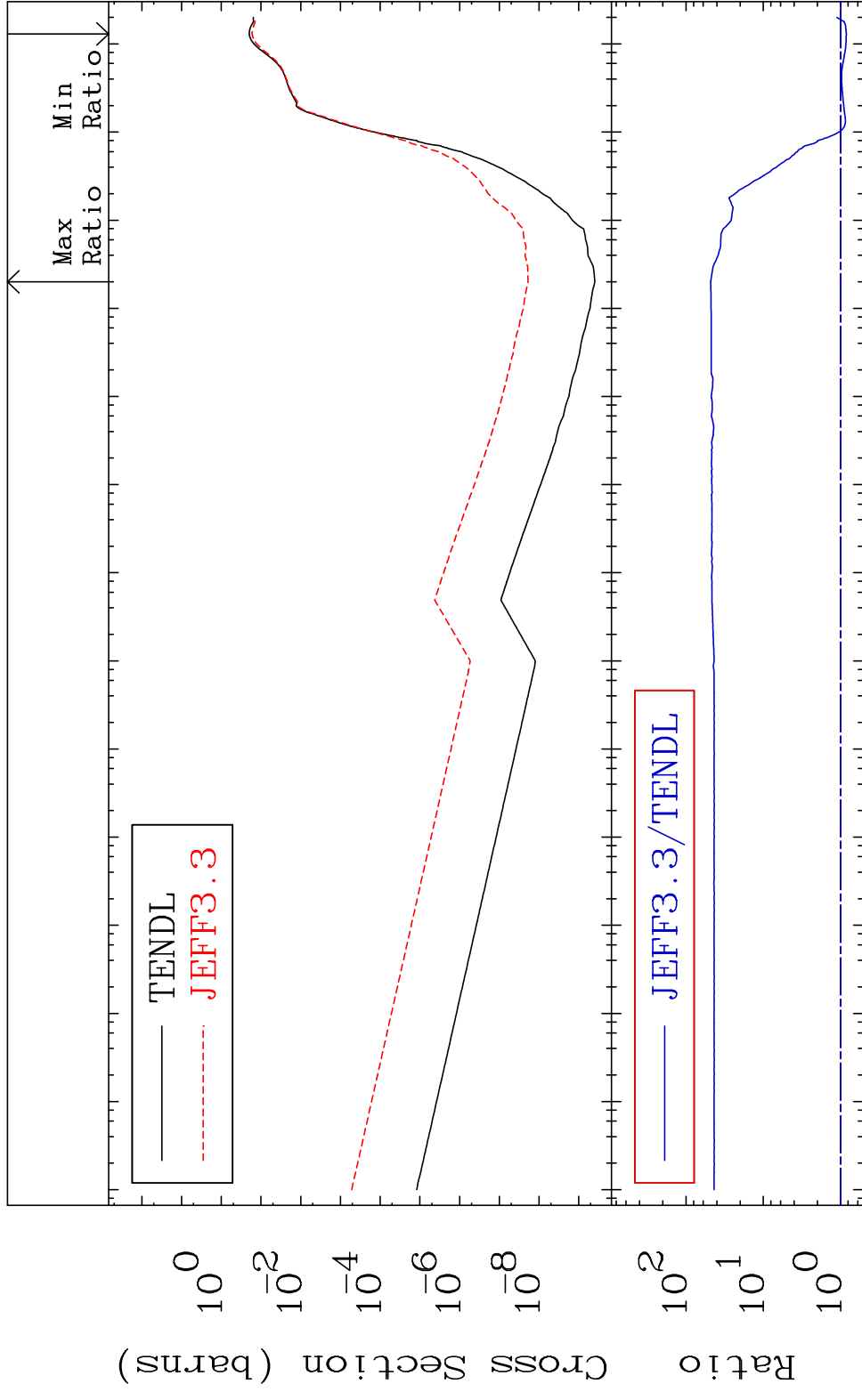


MAT 5446

He-4 Production

54-Xe-131

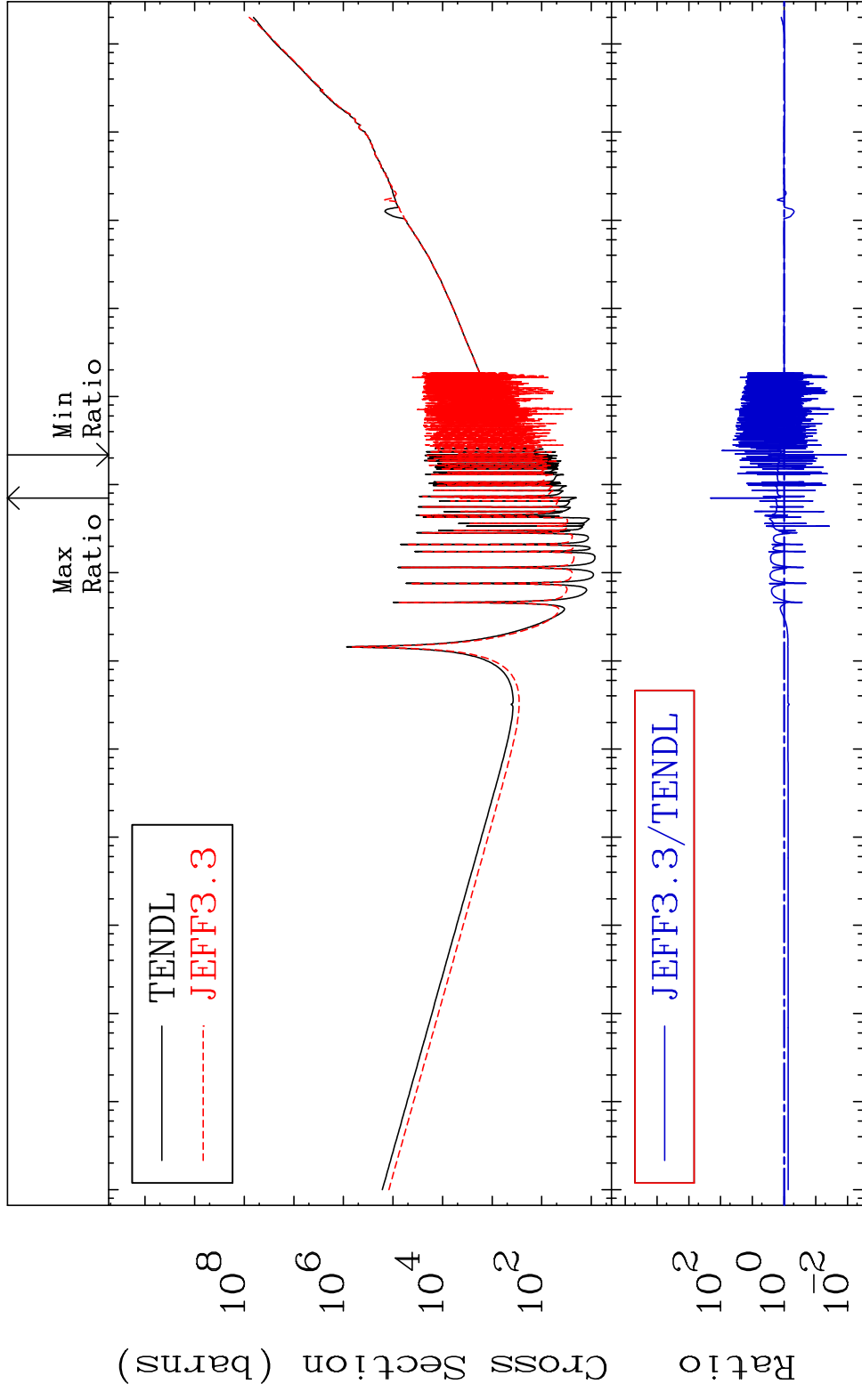
Cross Section -15.66 To 4702. %



MAT 5446

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

Cross Section -98.91 To 9999. %



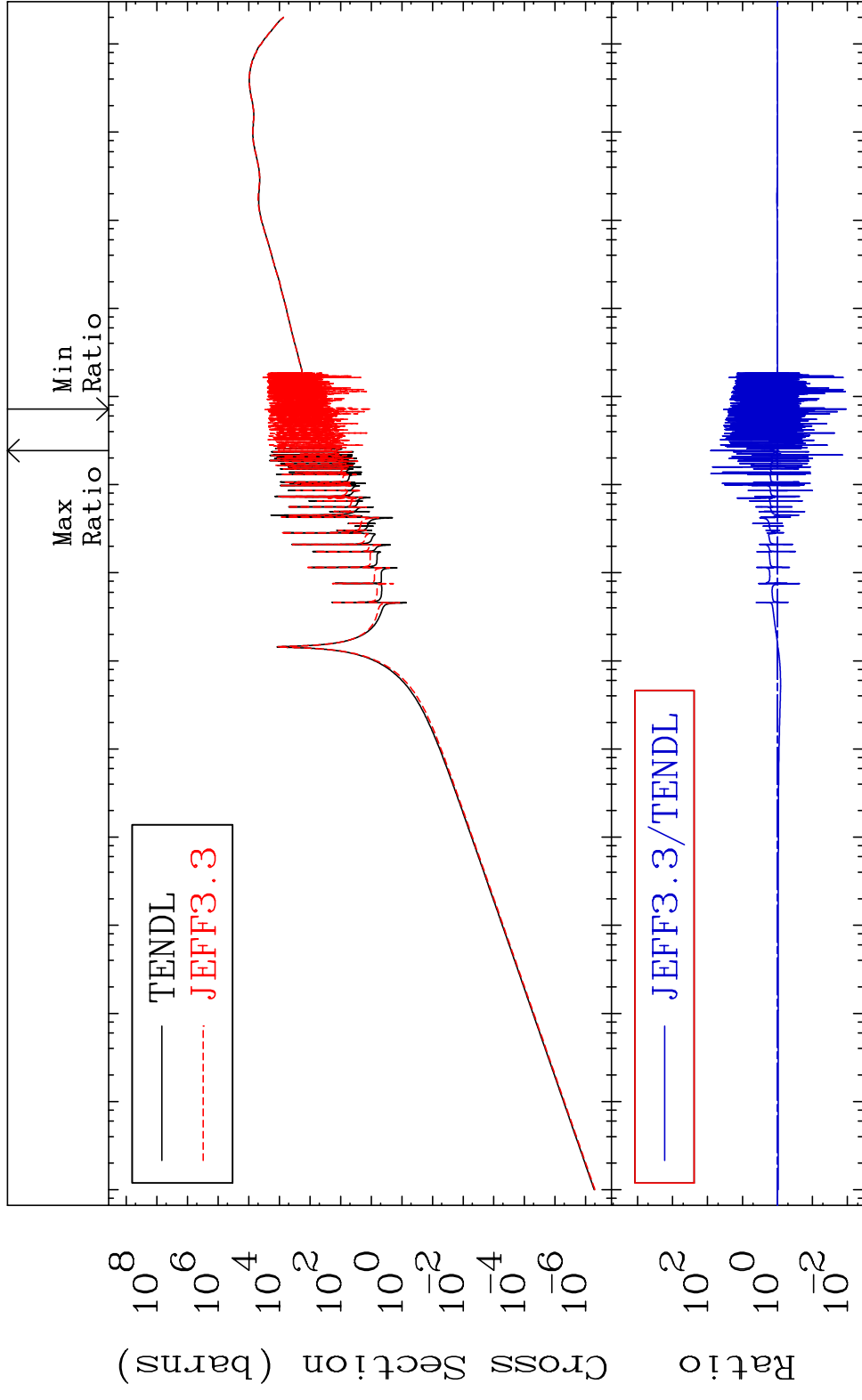
53

Incident Energy (eV)

54-Xe-131

MAT 5446

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

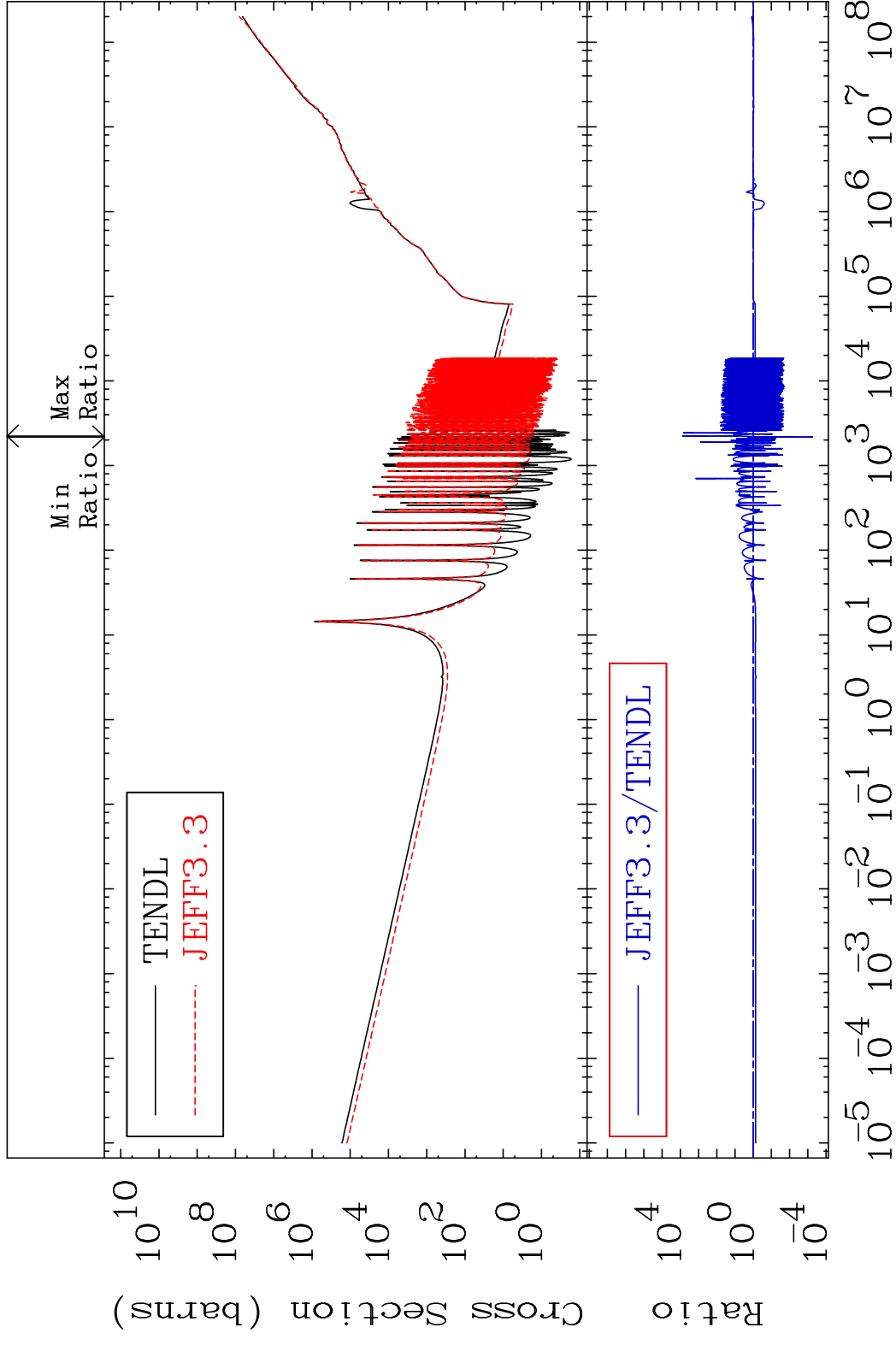


54

Incident Energy (eV)

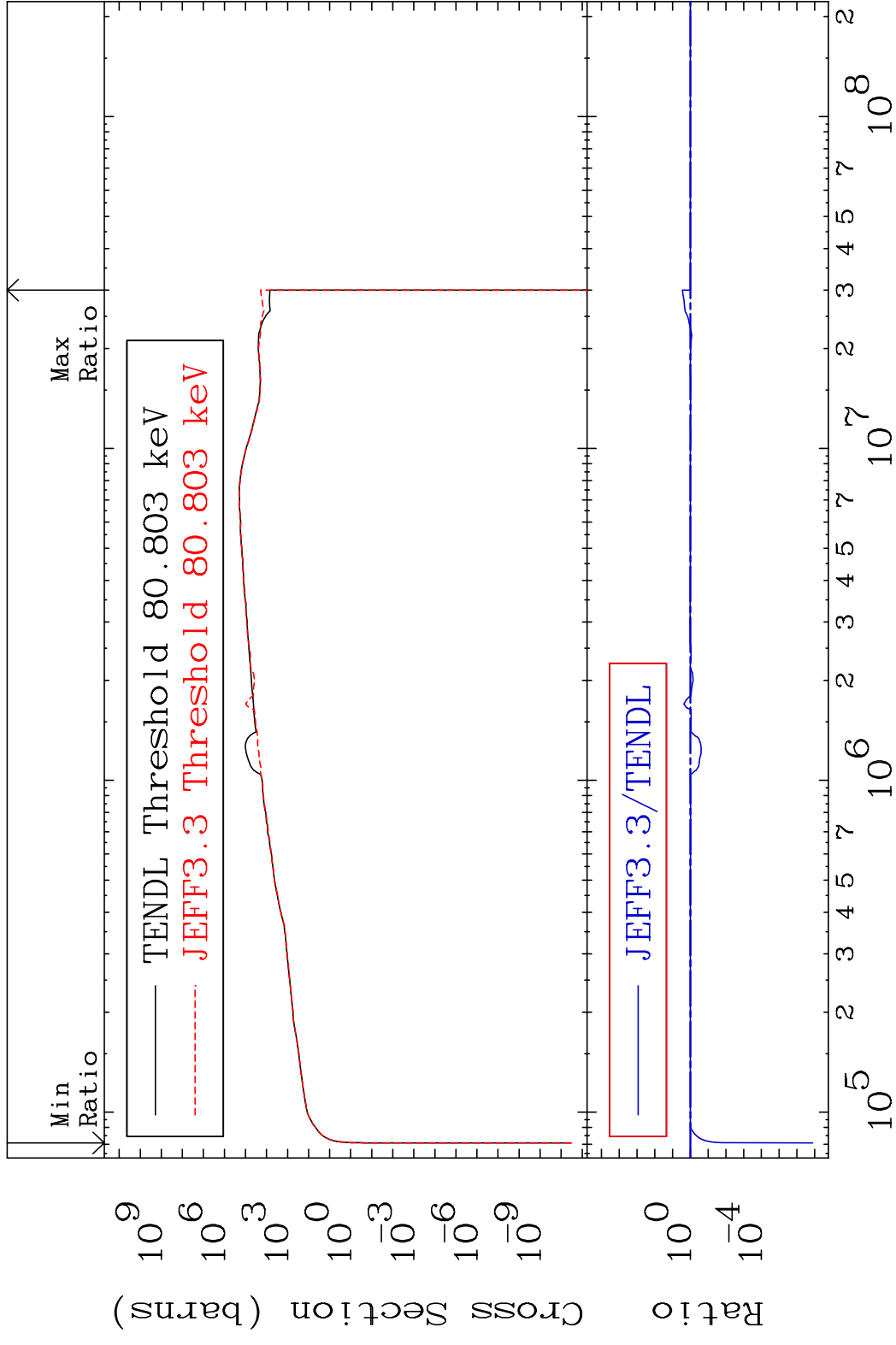
54-Xe-131

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

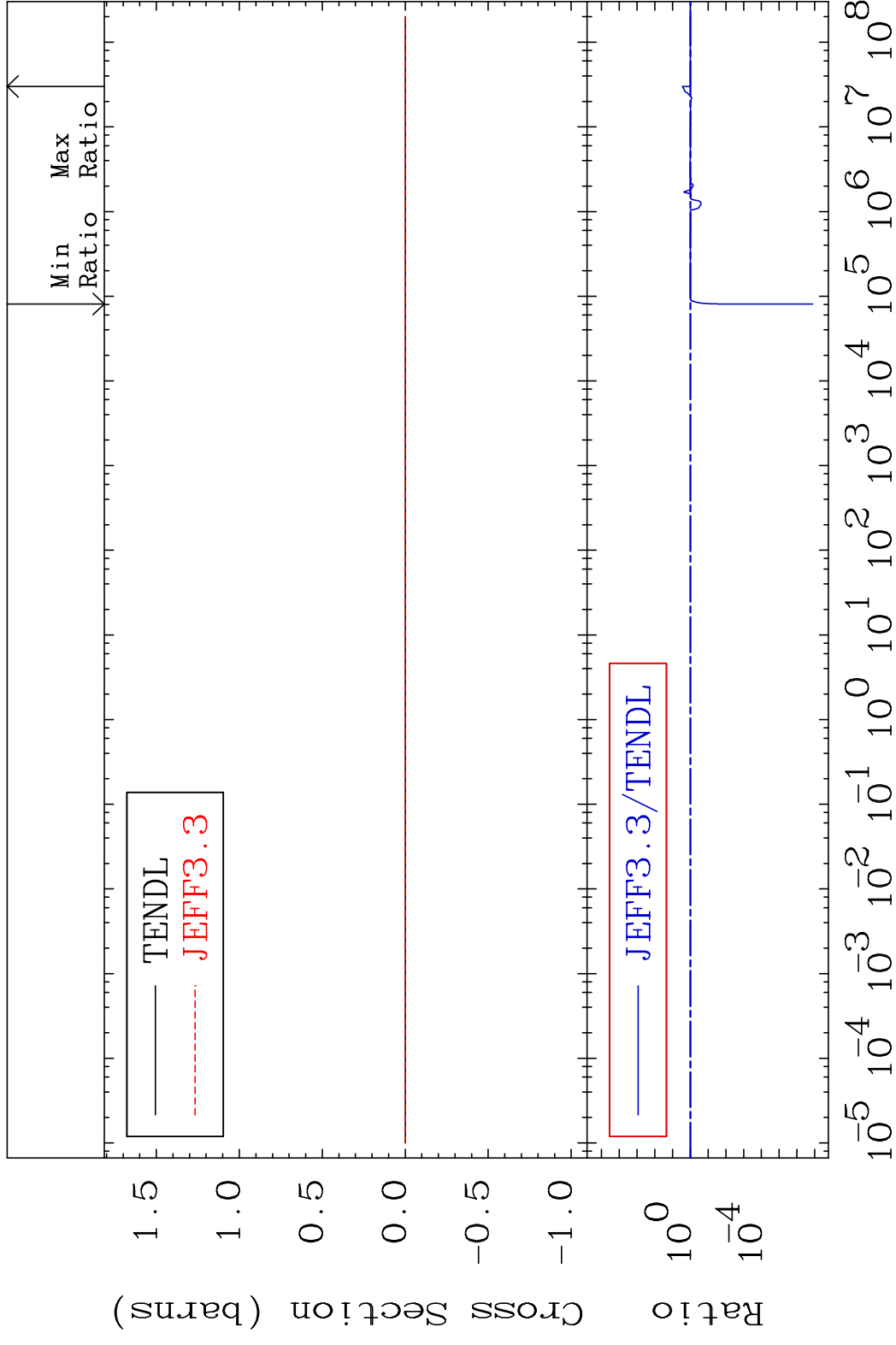


55 Incident Energy (eV) 54-Xe-131

MAT 5446 Kerma inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 181.2 %



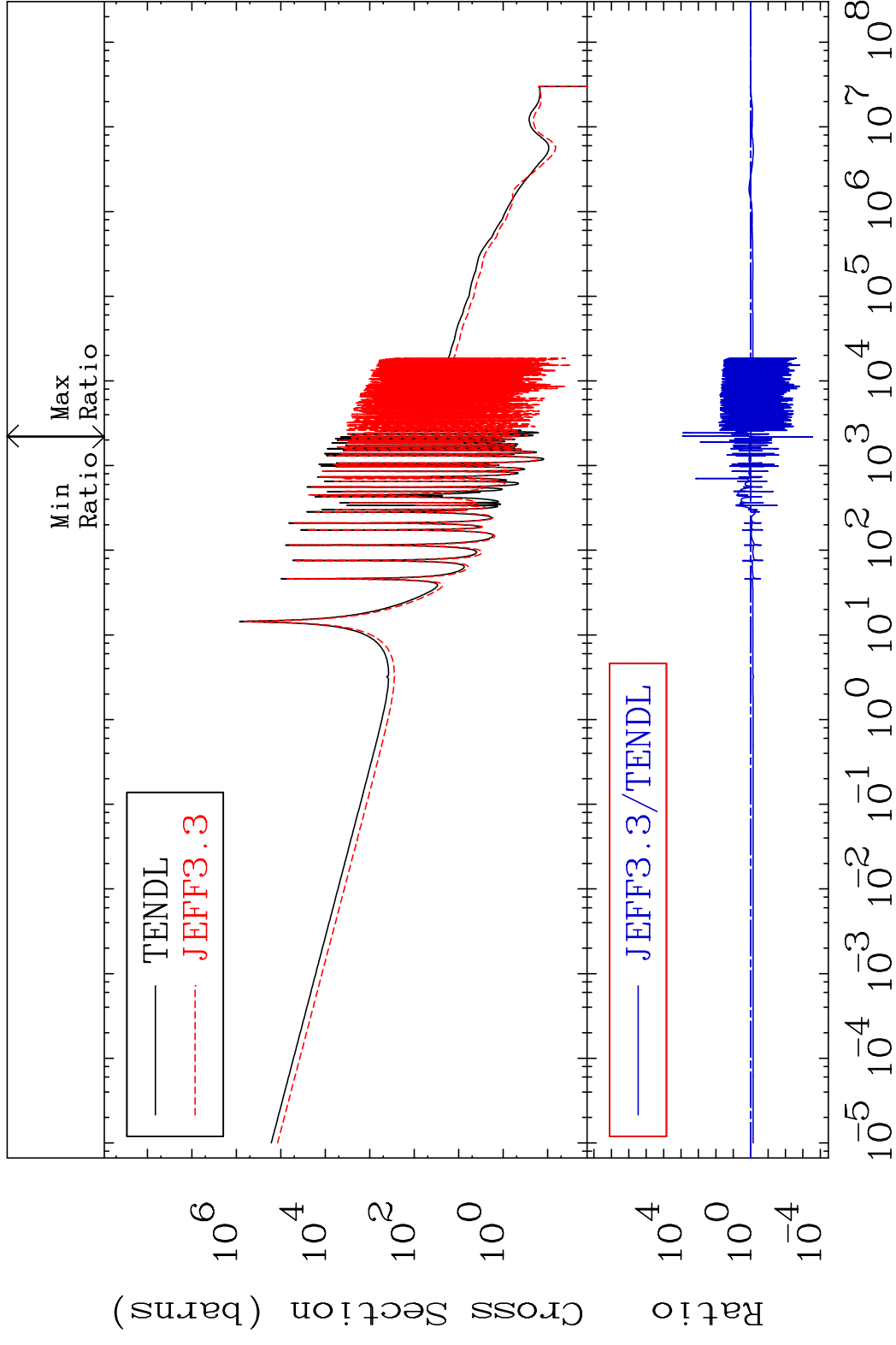
MAT 5446 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-131
 Cross Section -100.0 To 181.2 %



MAT 5446

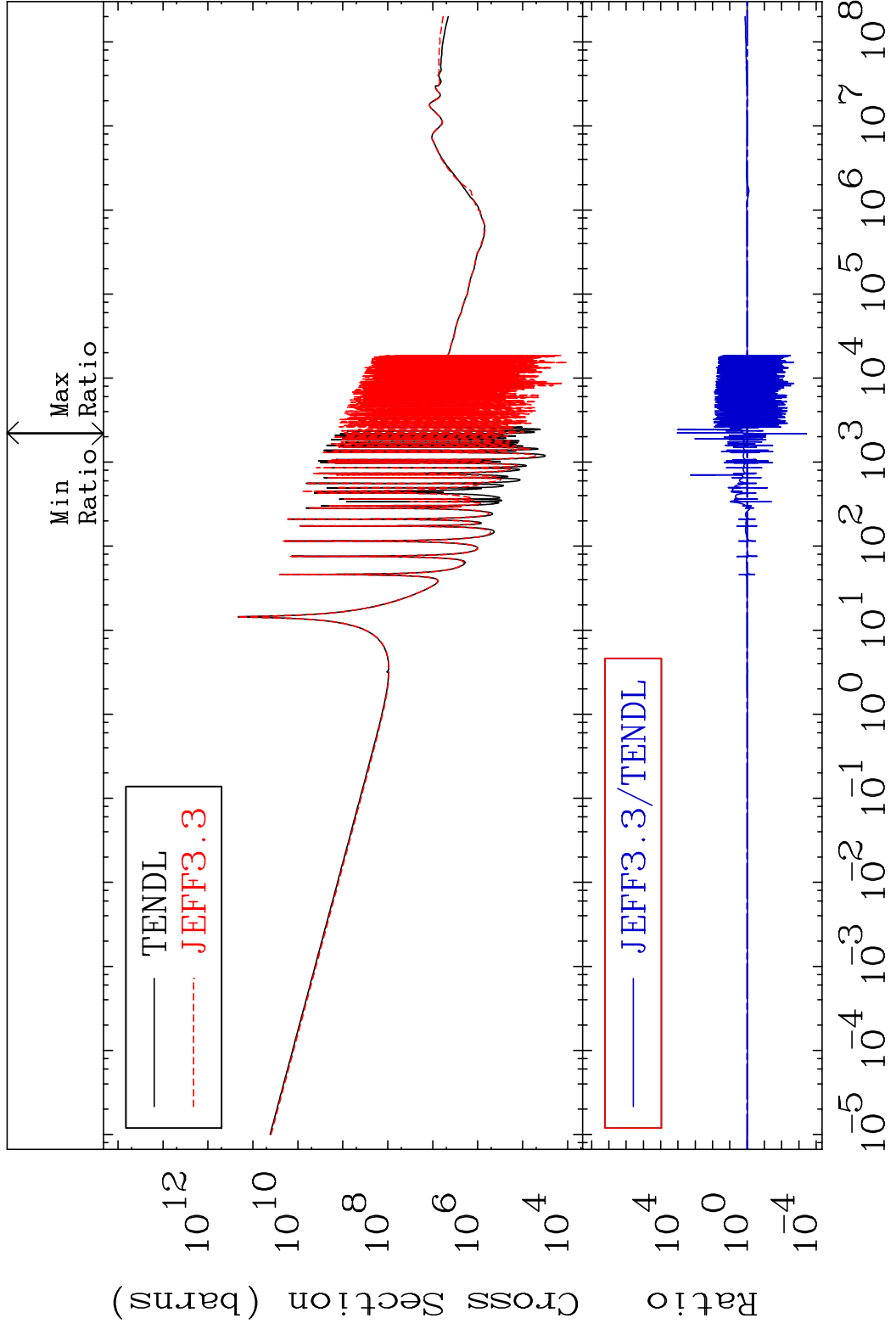
Kerma capture (mt102) 54-Xe-131

Cross Section -99.97 To 9999. %



MAT 5446

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

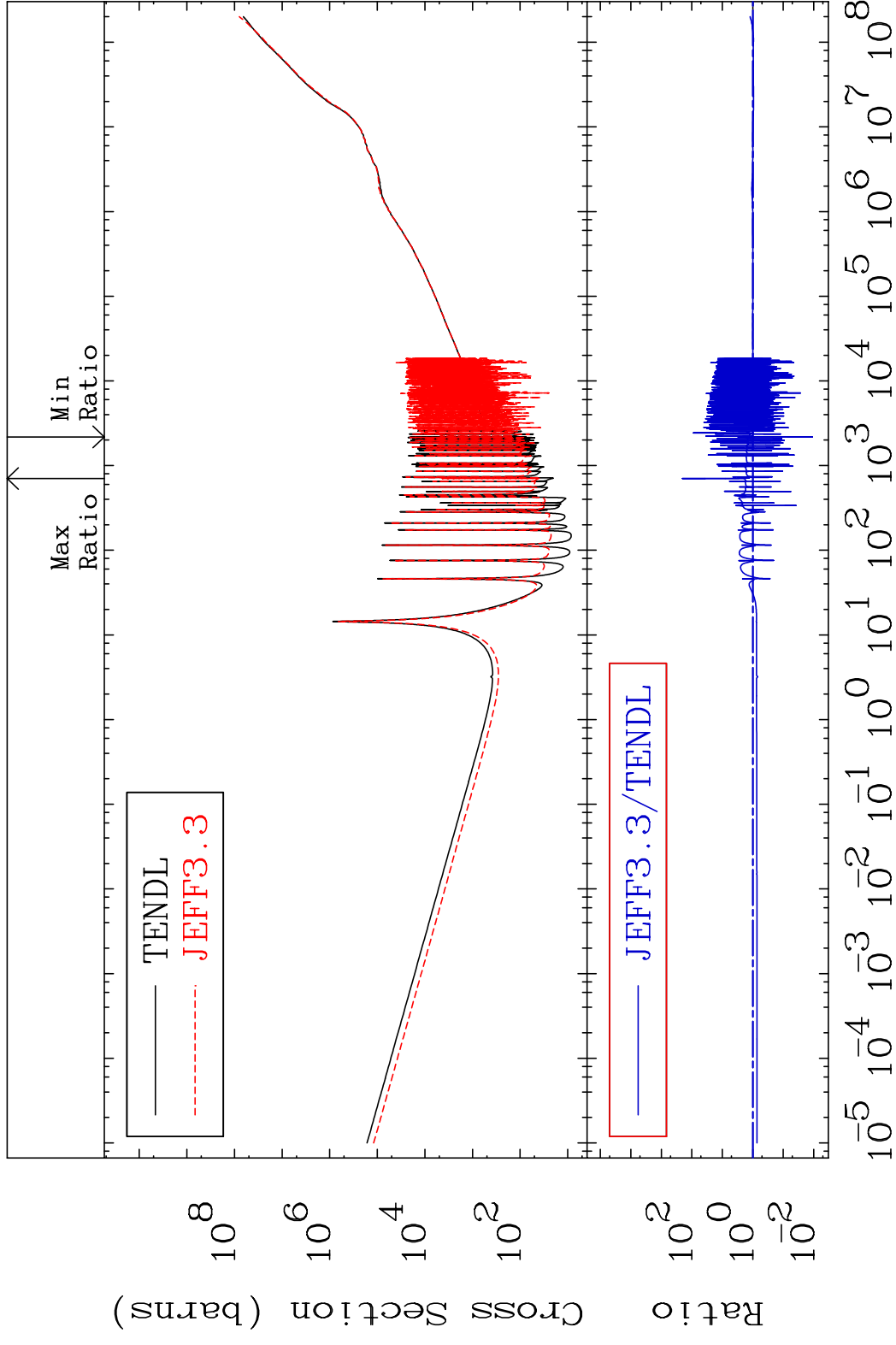


59

Incident Energy (eV)

54-Xe-131

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



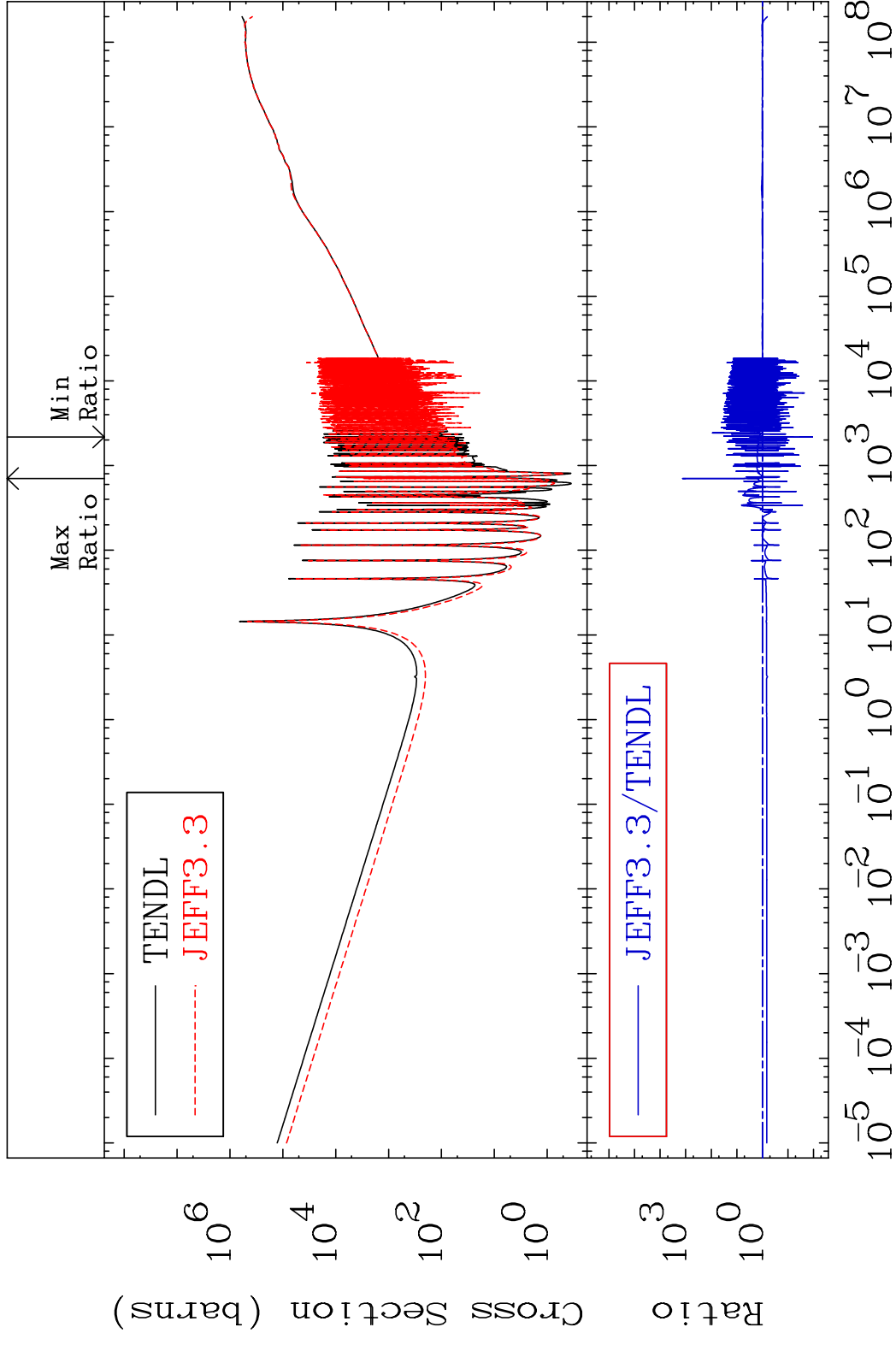
60 Incident Energy (eV) 54-Xe-131

MAT 5446

Dpa total (eV-barns)

54-Xe-131

Cross Section -98.92 To 9999. %



61

Incident Energy (eV)

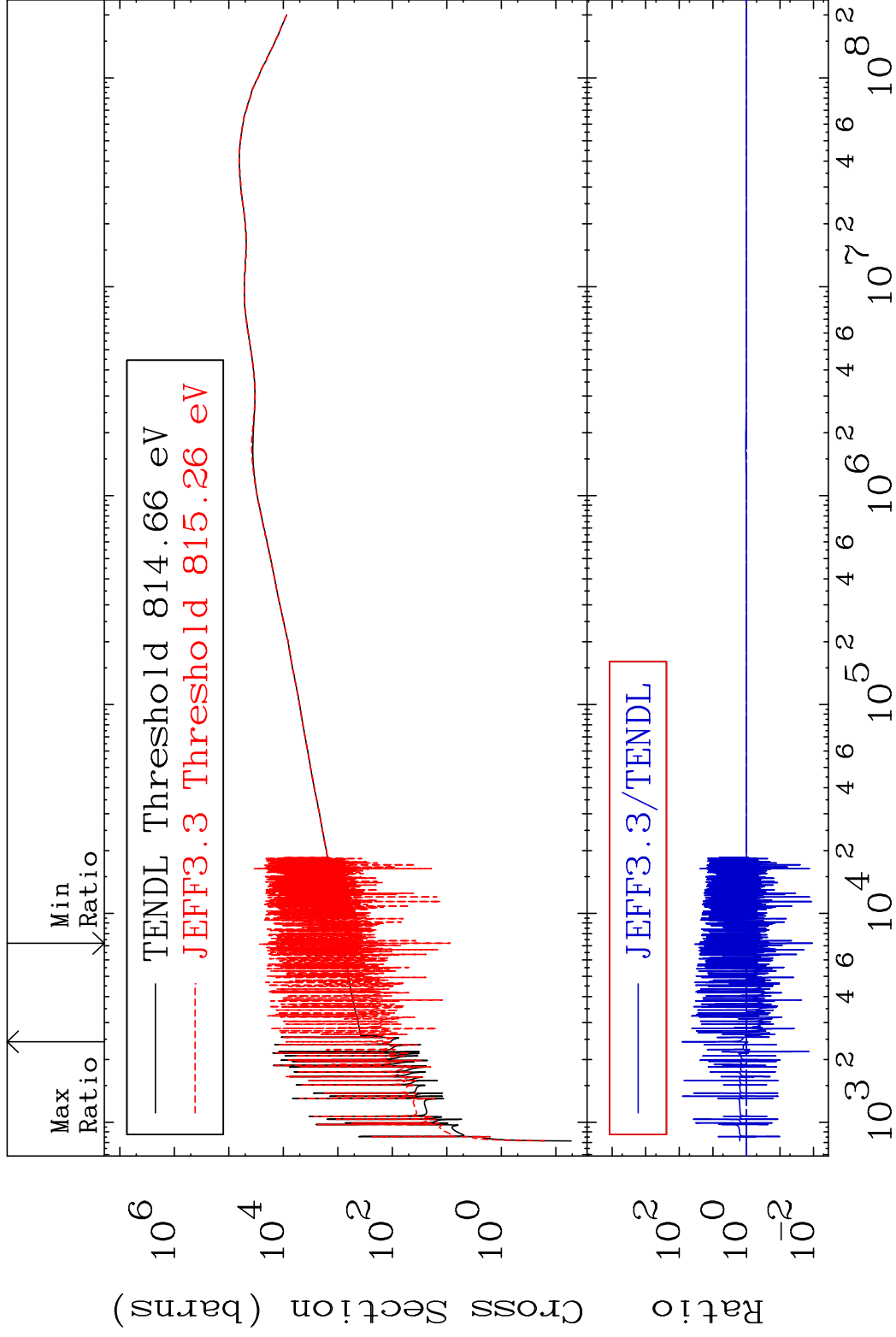
54-Xe-131

MAT 5446

Dpa elastic (mt2)

54-Xe-131

Cross Section -98.93 To 8010. %

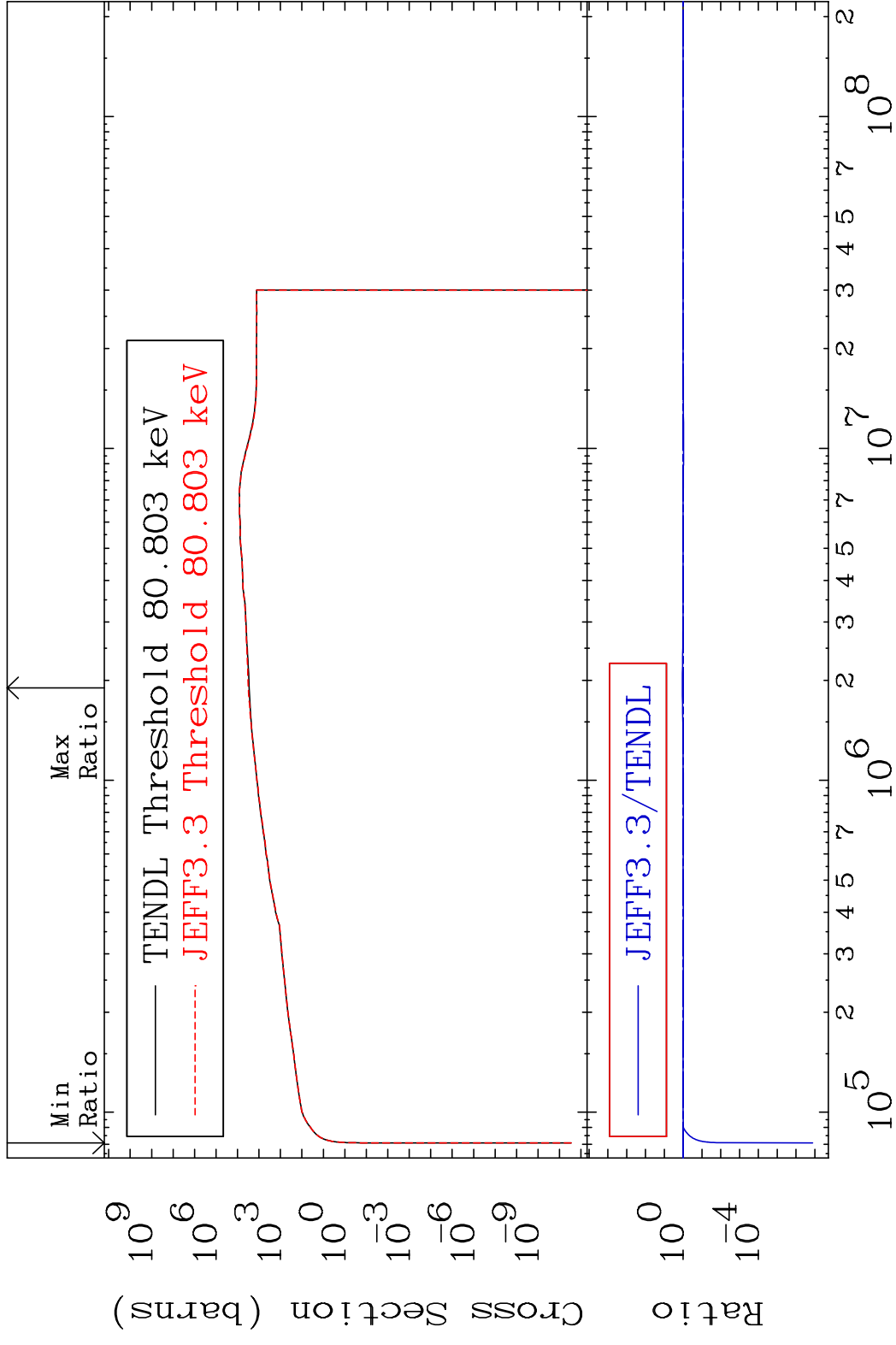


62

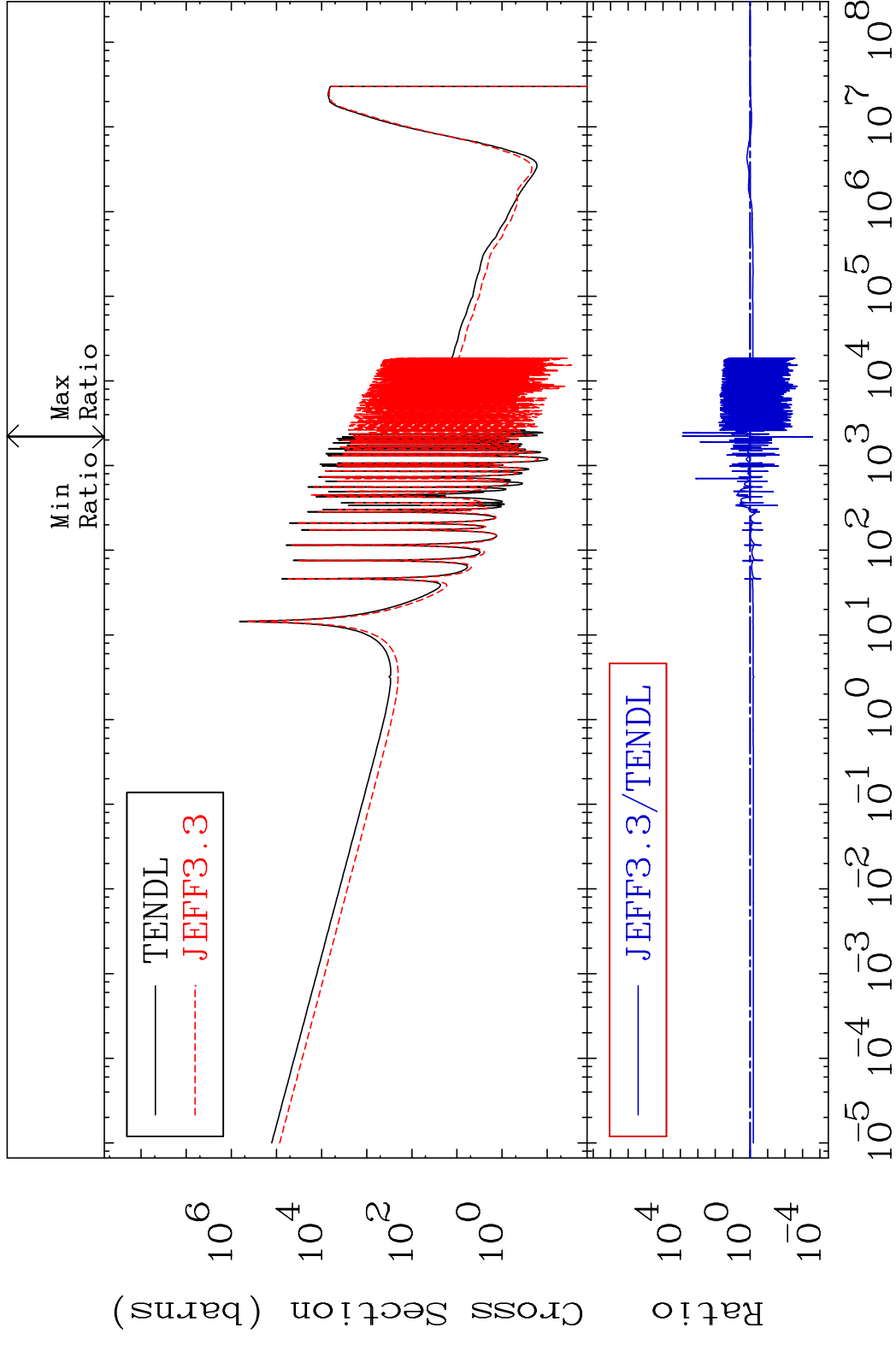
Incident Energy (eV)

54-Xe-131

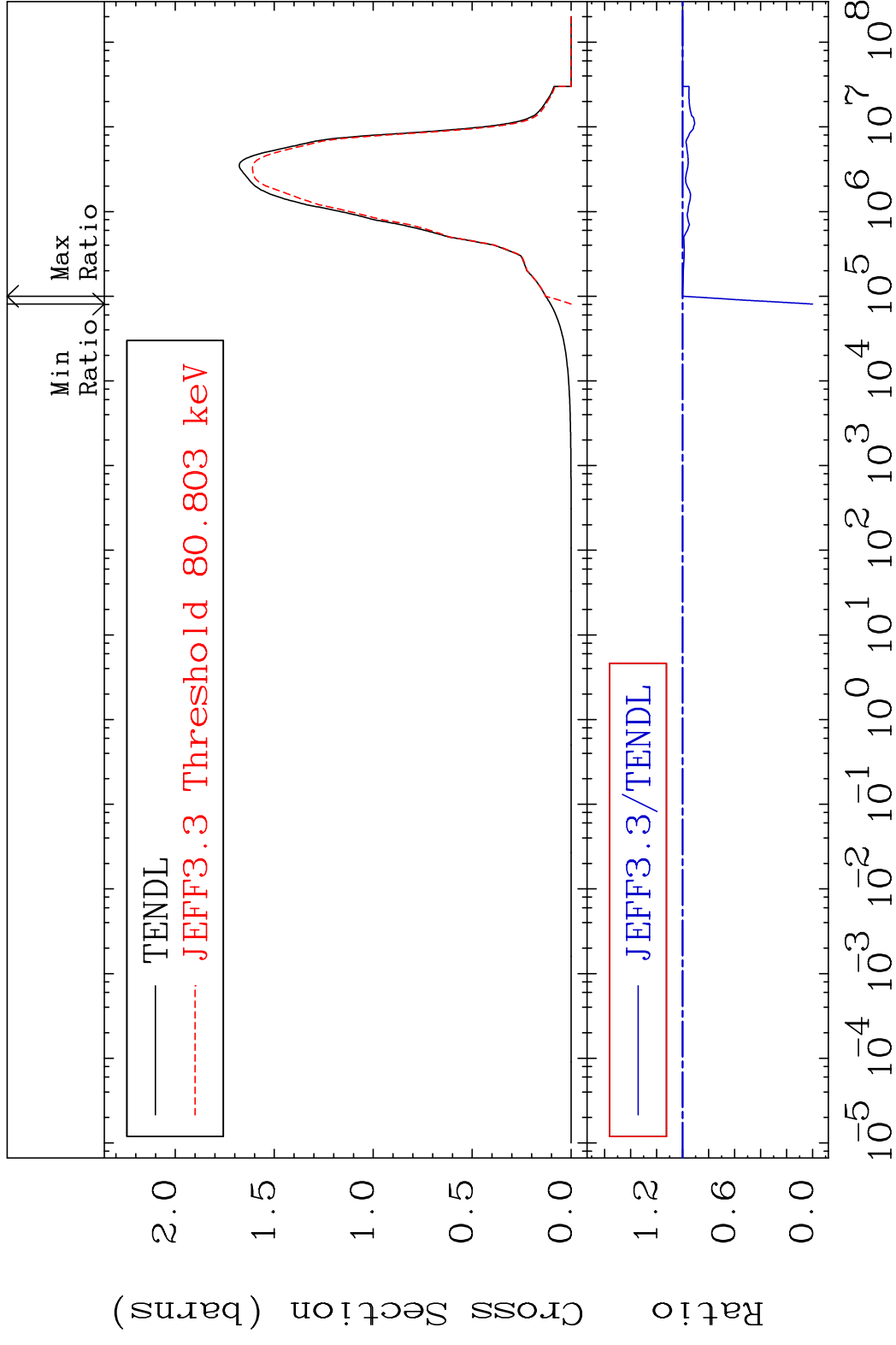
MAT 5446 Dpa inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 10.17 %

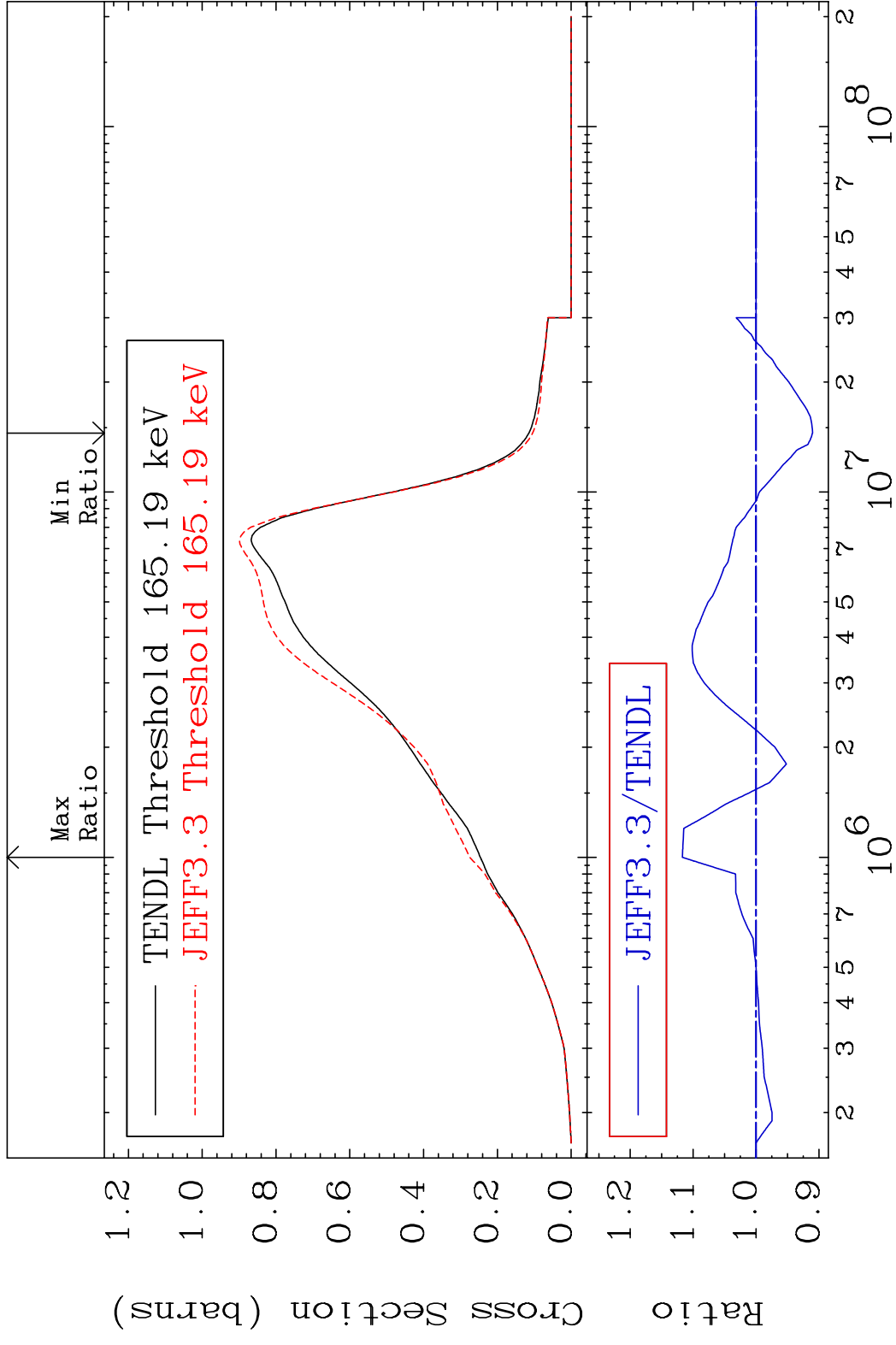


MAT 5446 Dpa disappearance (mt102 -120) 54-Xe-131
 Cross Section -99.97 To 9999. %

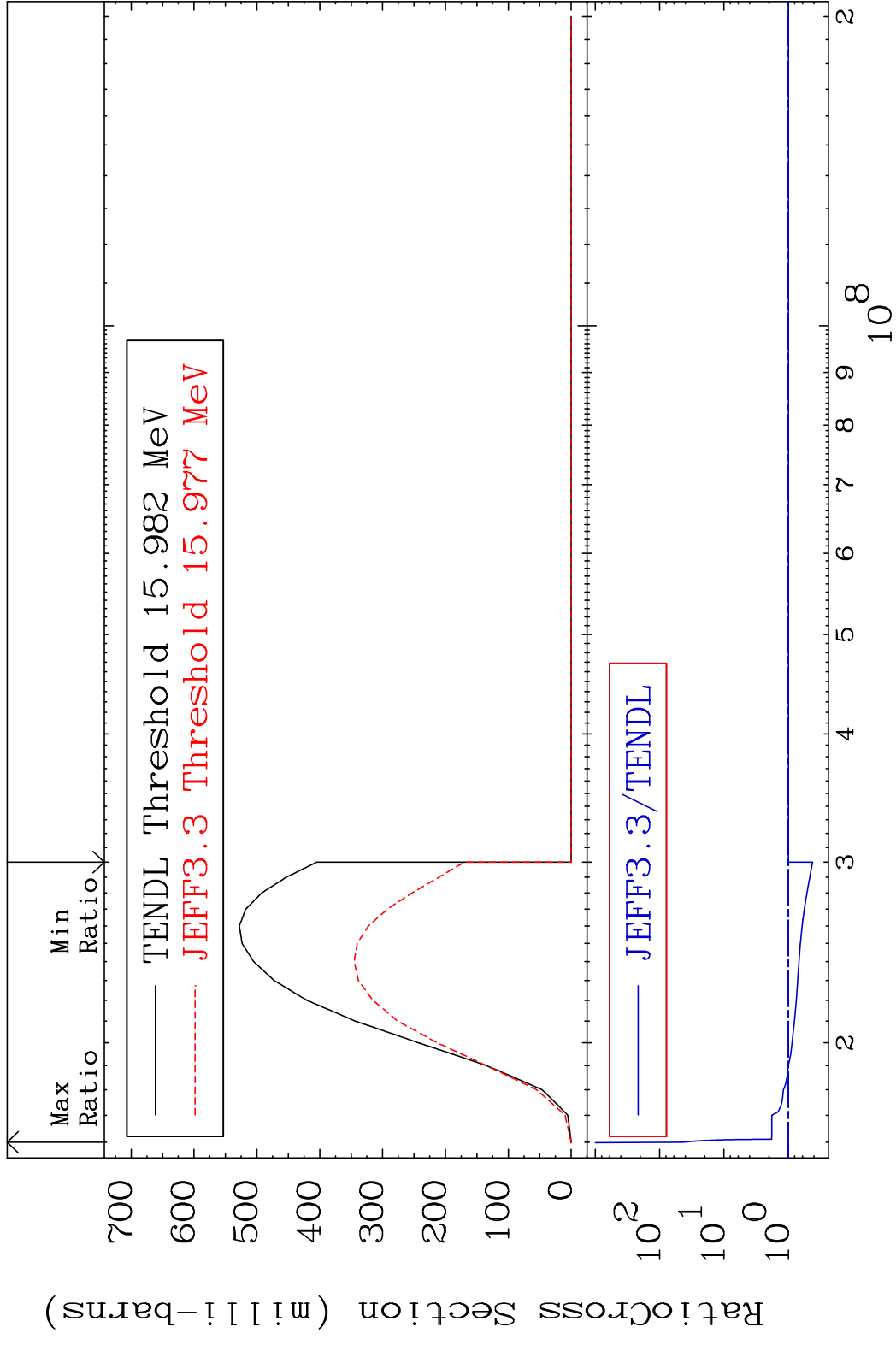


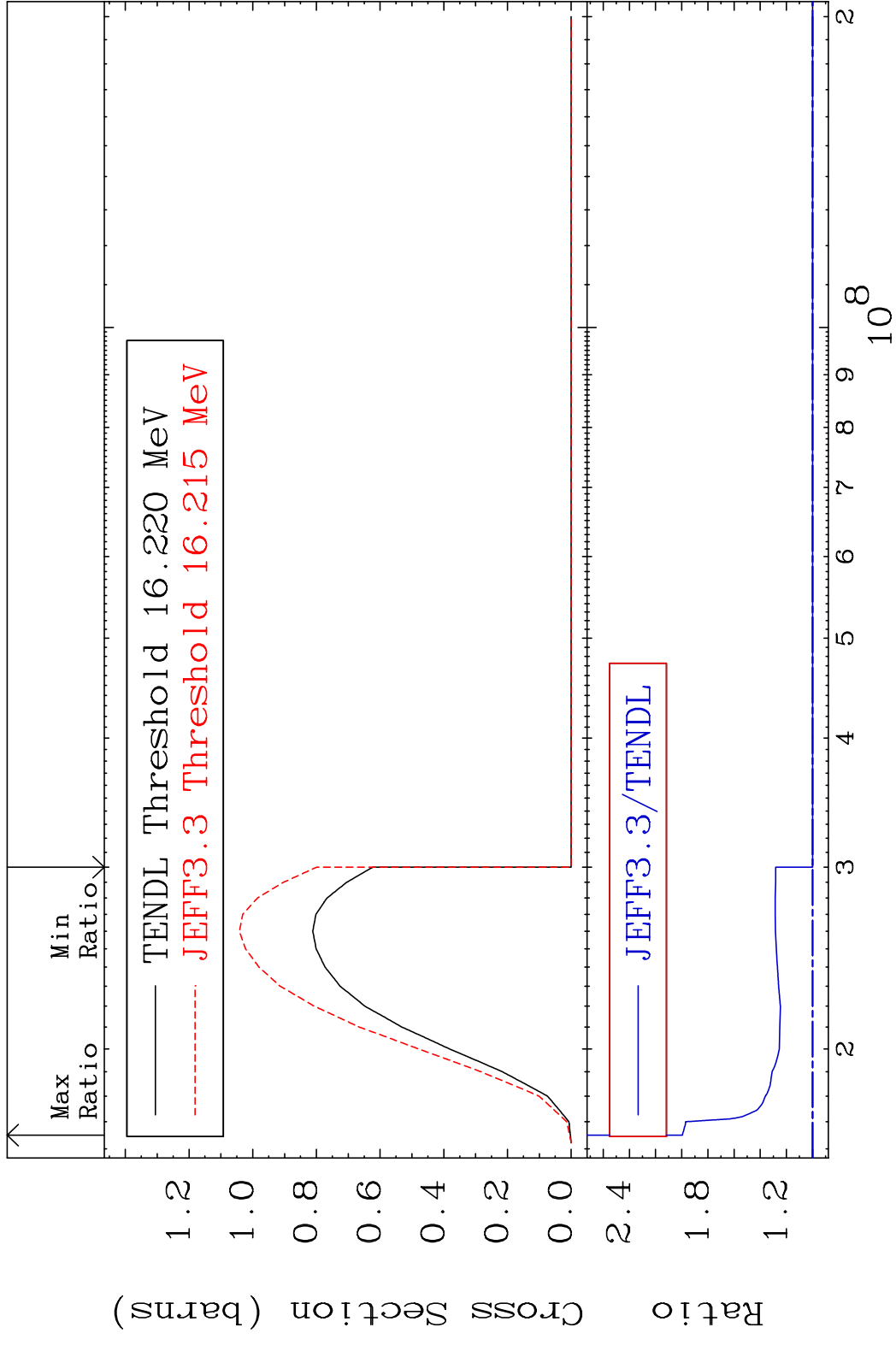
MAT 5446 Inelastic:54-Xe-131g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 0.214 %



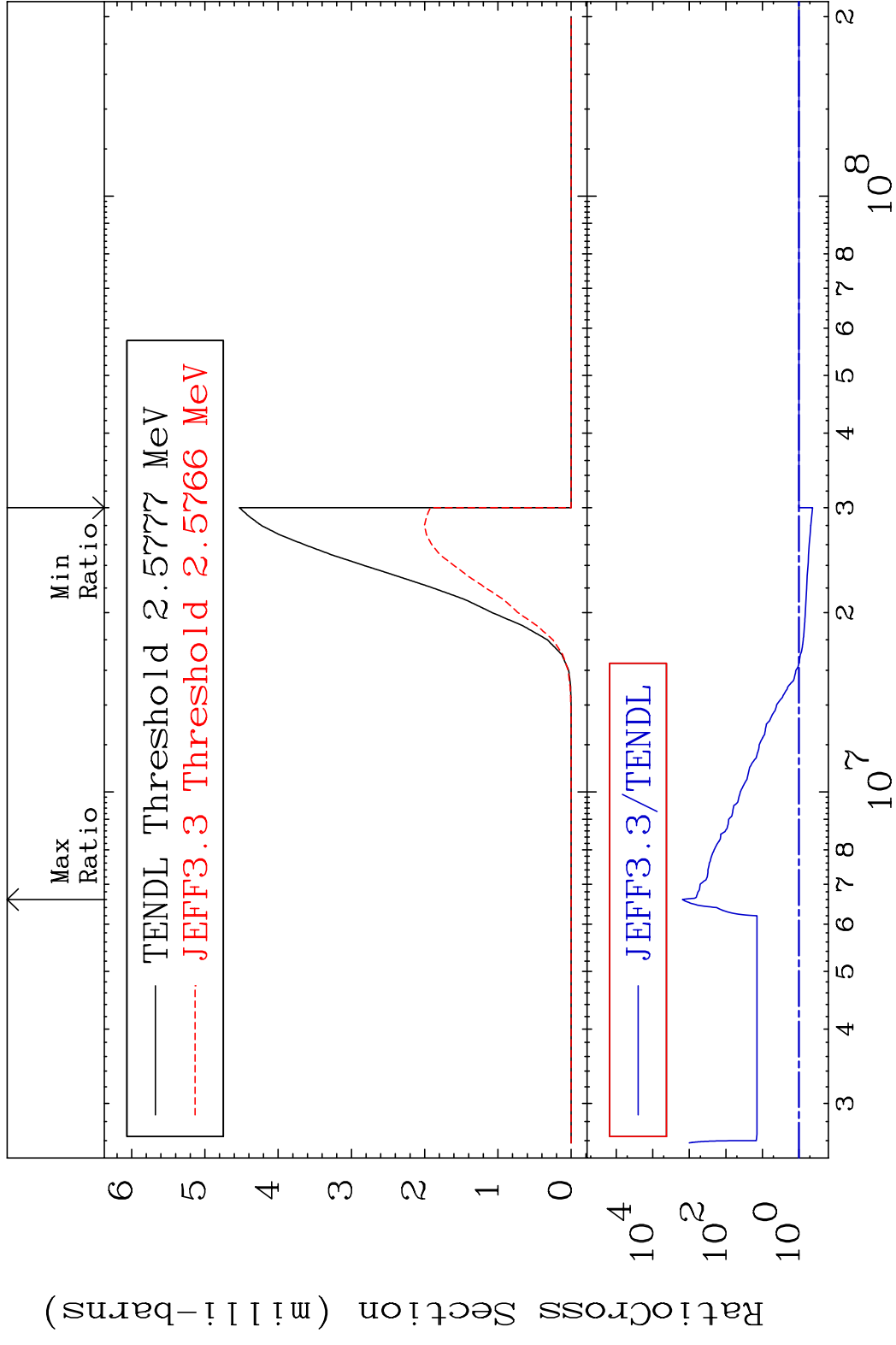


MAT 5446 (n,3n):54-Xe-129g 54-Xe-131
 Radionuclide Production Cross Section 5446 to 4339. %

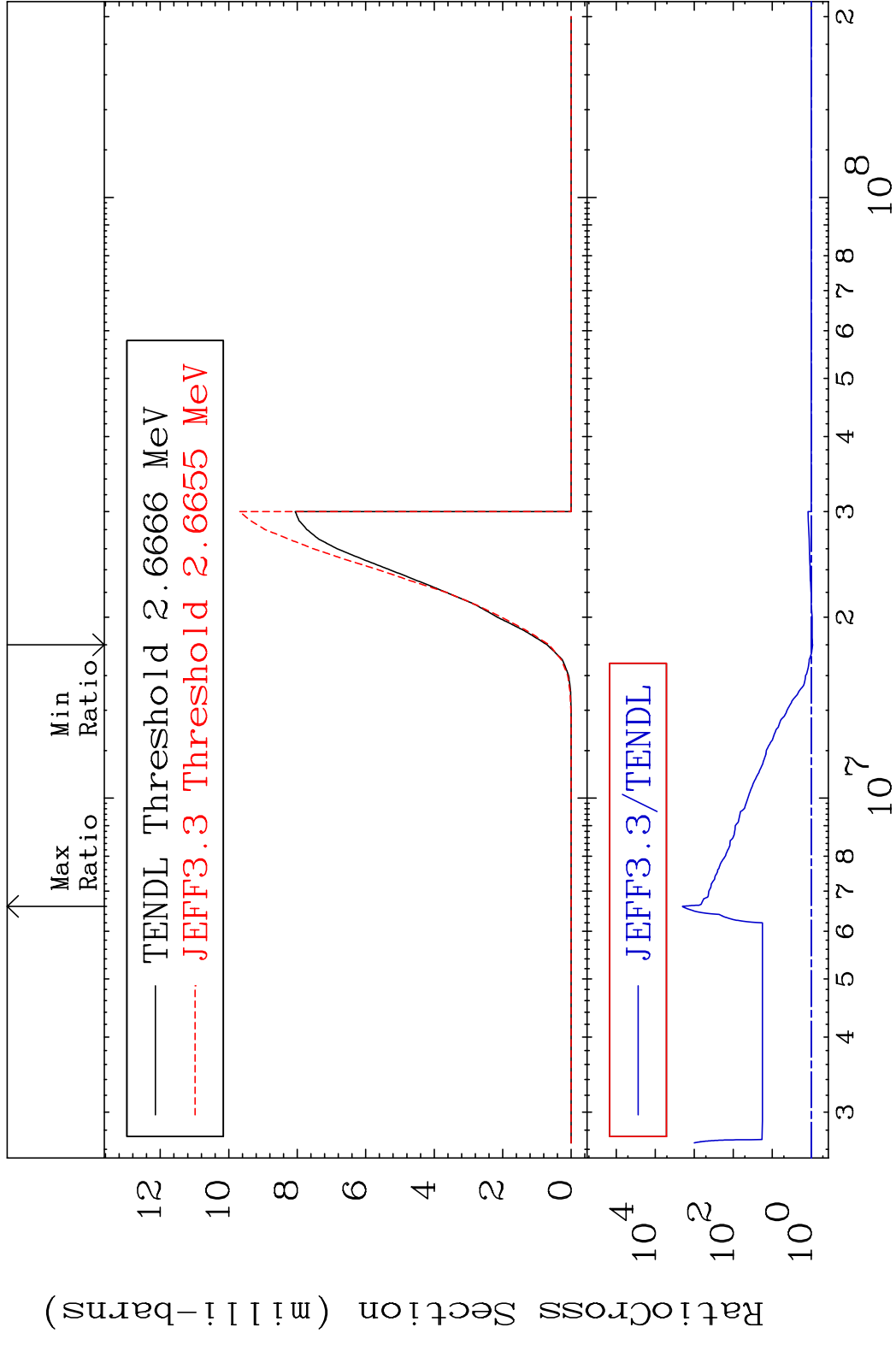


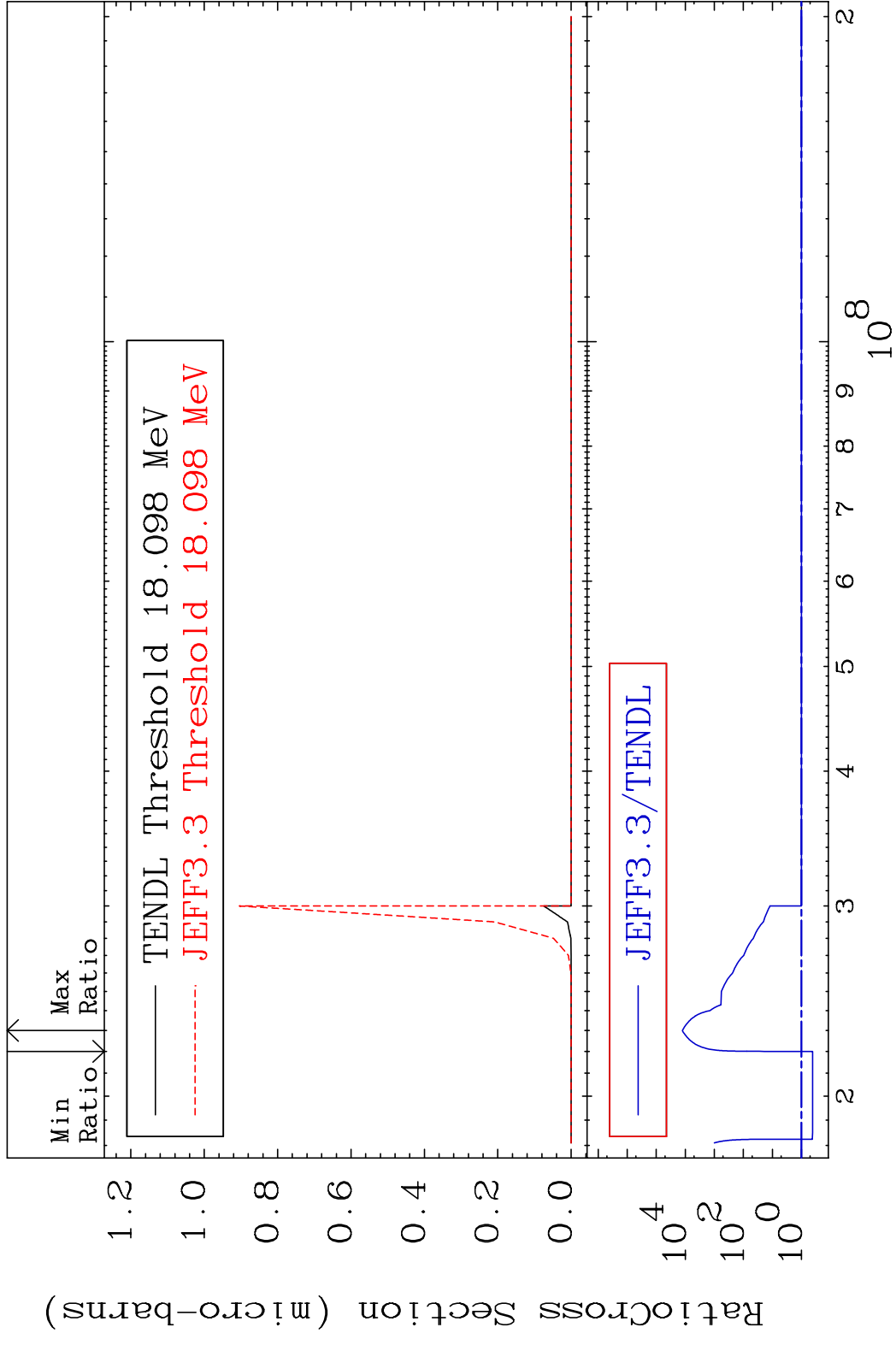


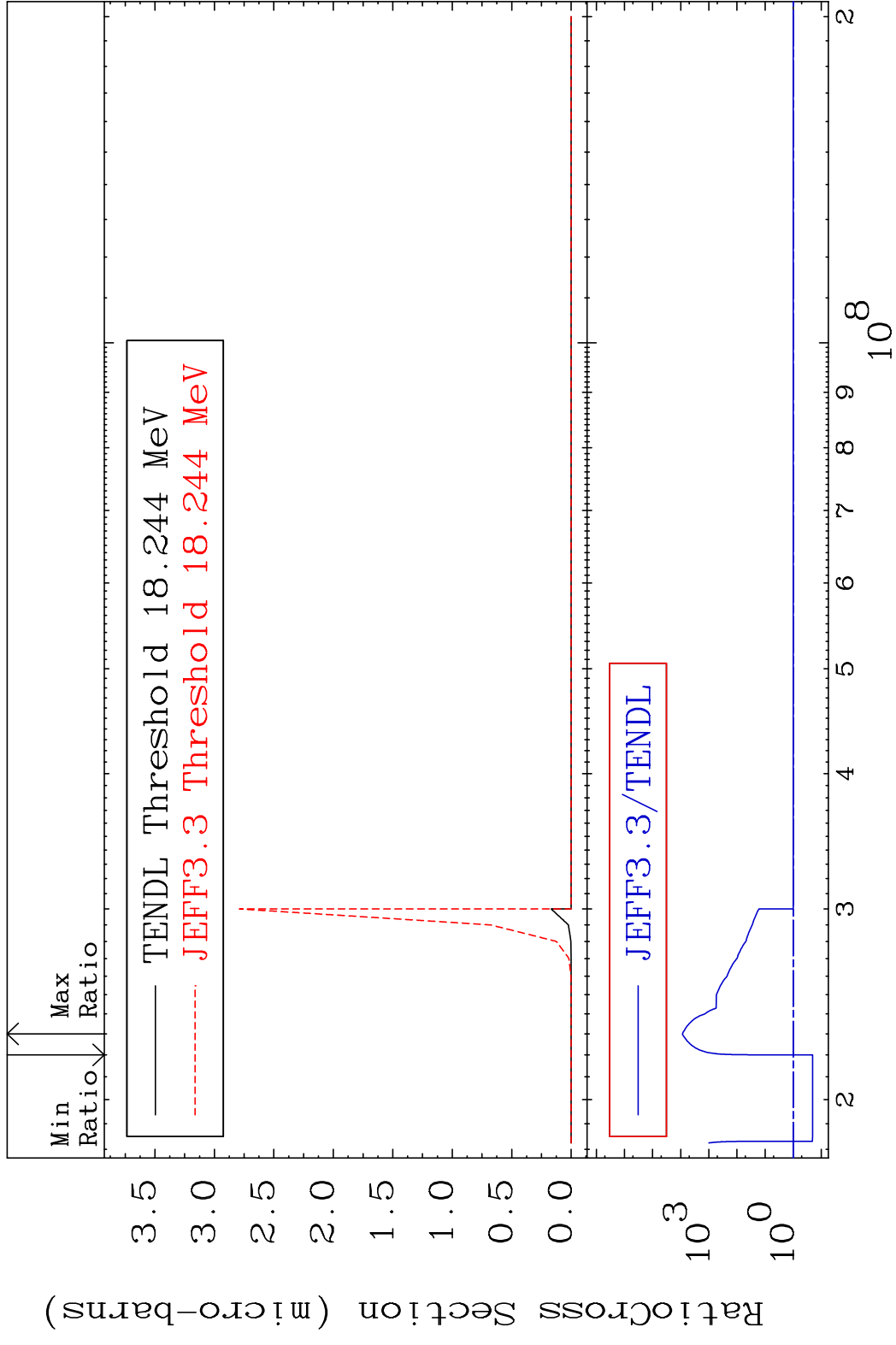
MAT 5446 (n, n') α :52-Te-127g 54-Xe-131
 Radionuclide Production Cross Section 5446 to 9999. %



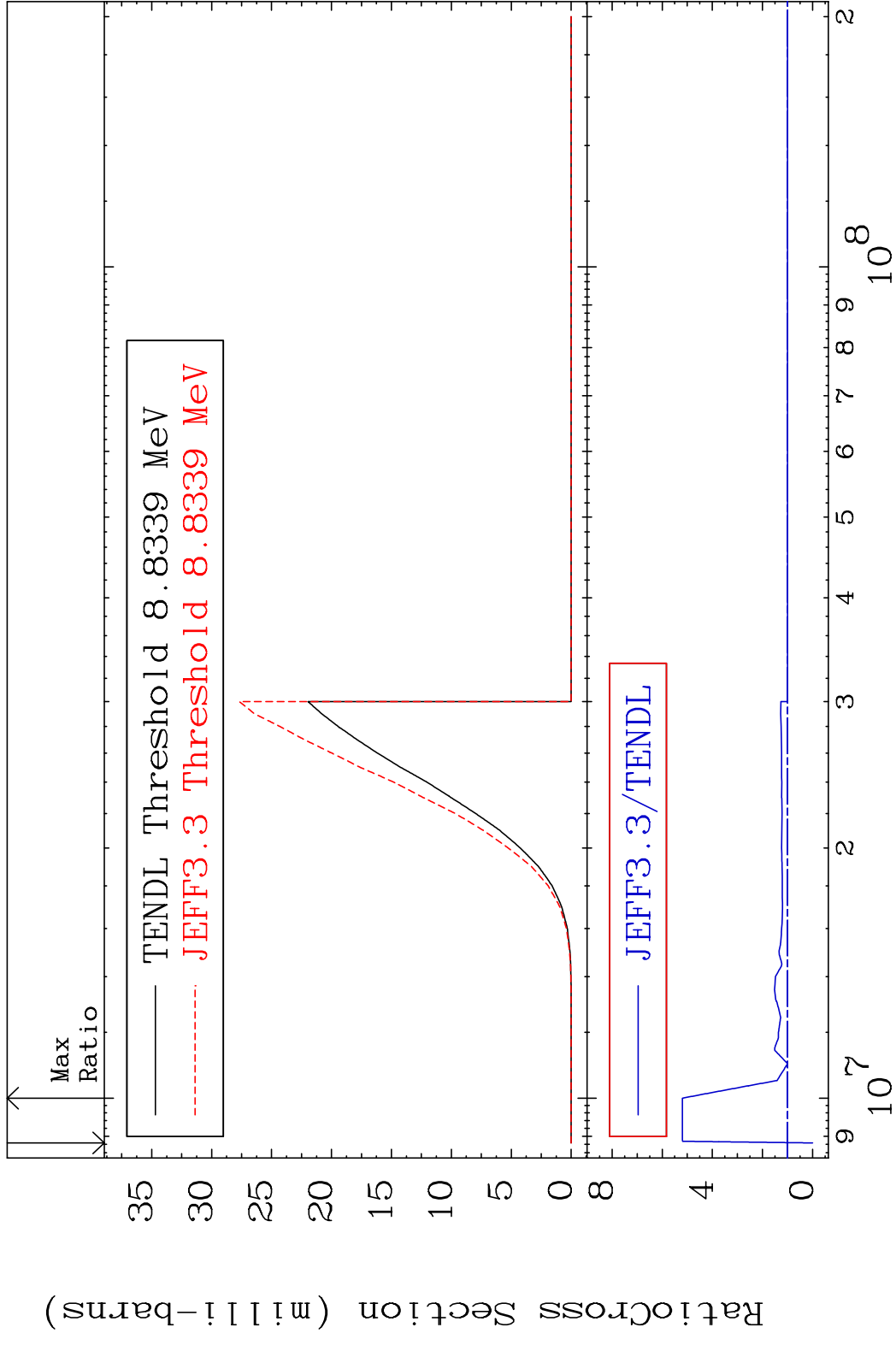
MAT 5446 (n, n') α :52-Te-127m2 54-Xe-131
 Radionuclide Production Cross Section 9999. %



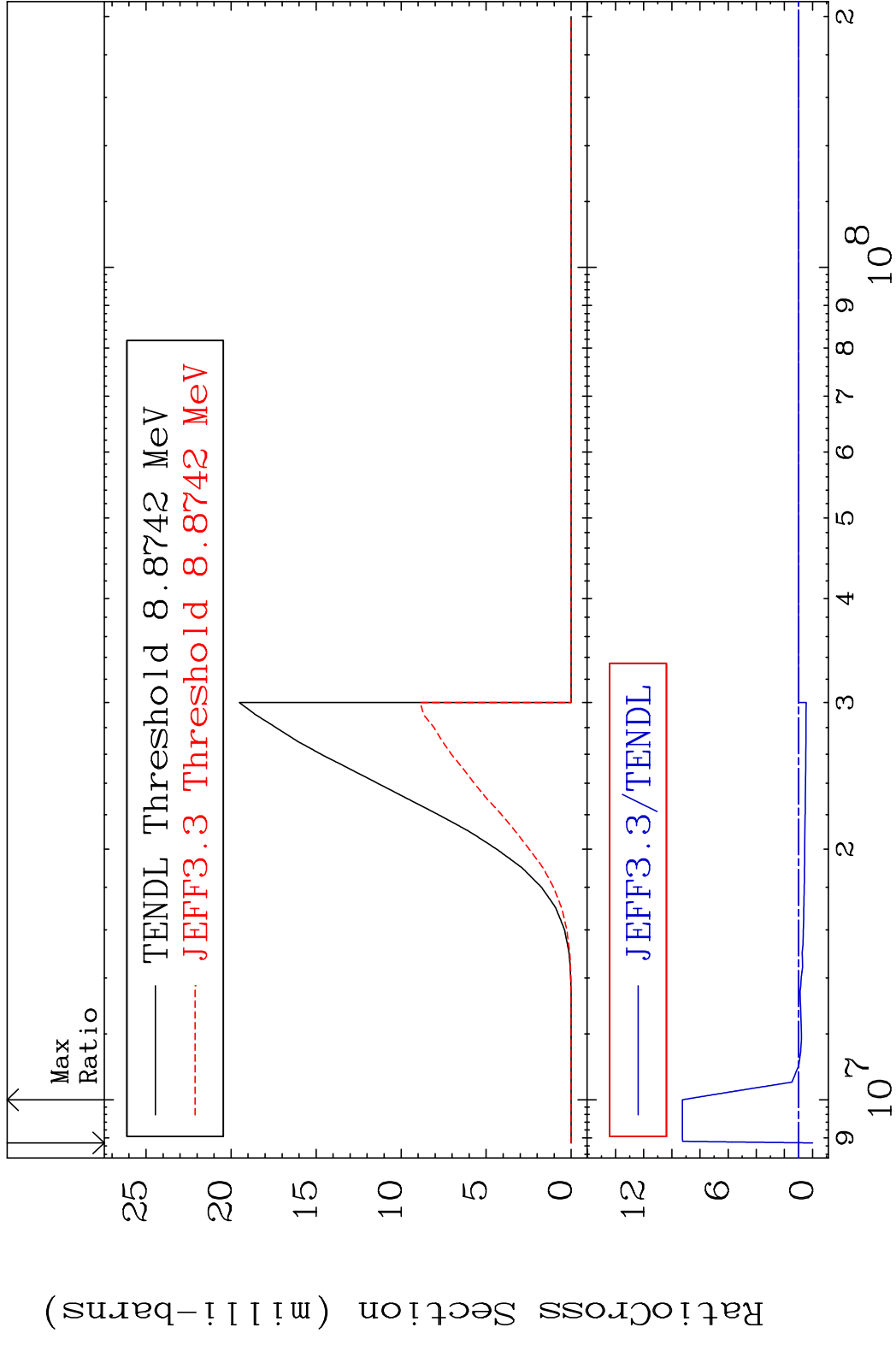




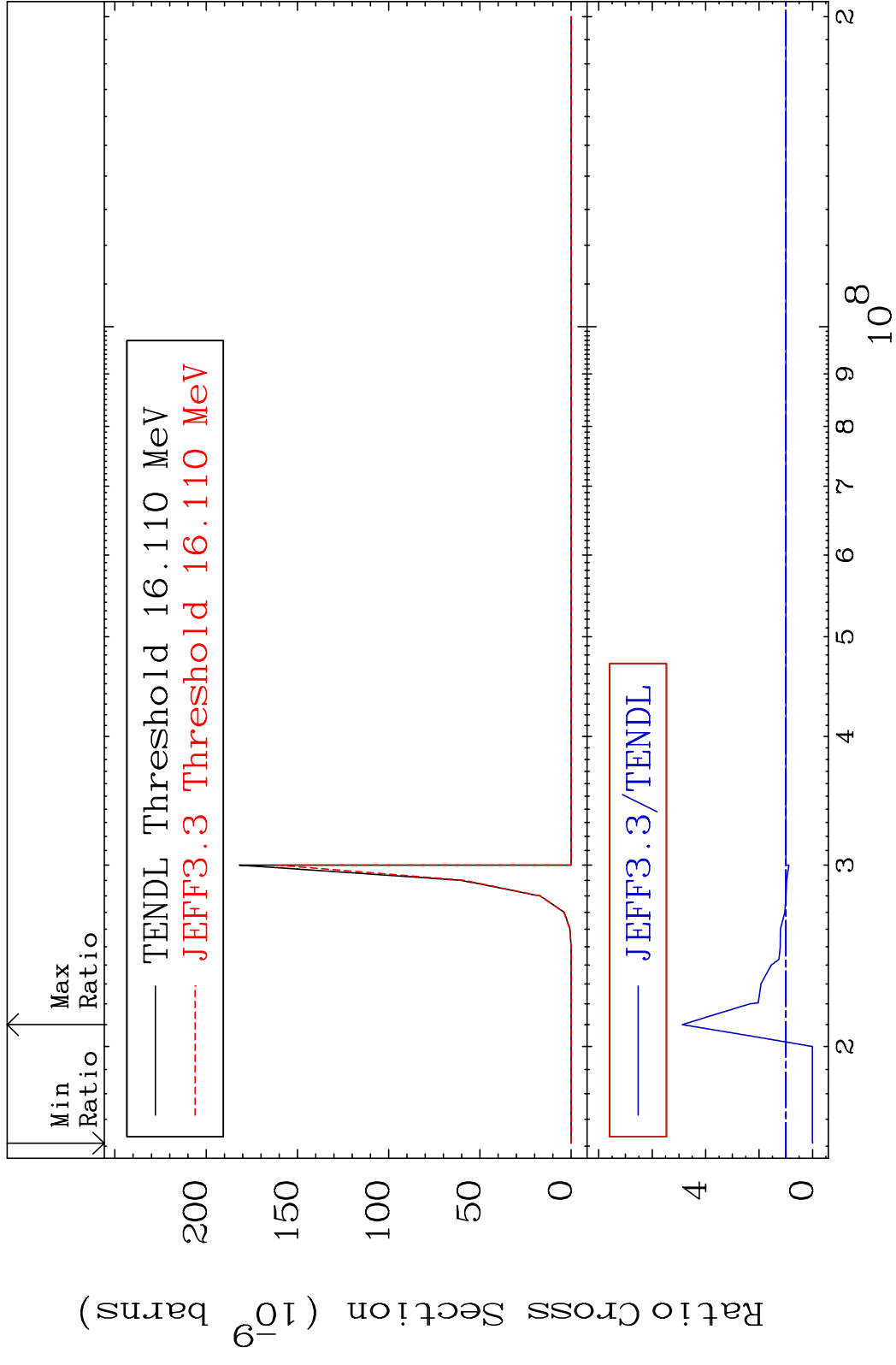
MAT 5446 (n, n') p:53-I -130g 54-Xe-131
 Radionuclide Production Cross Section Ratio 419.6 %



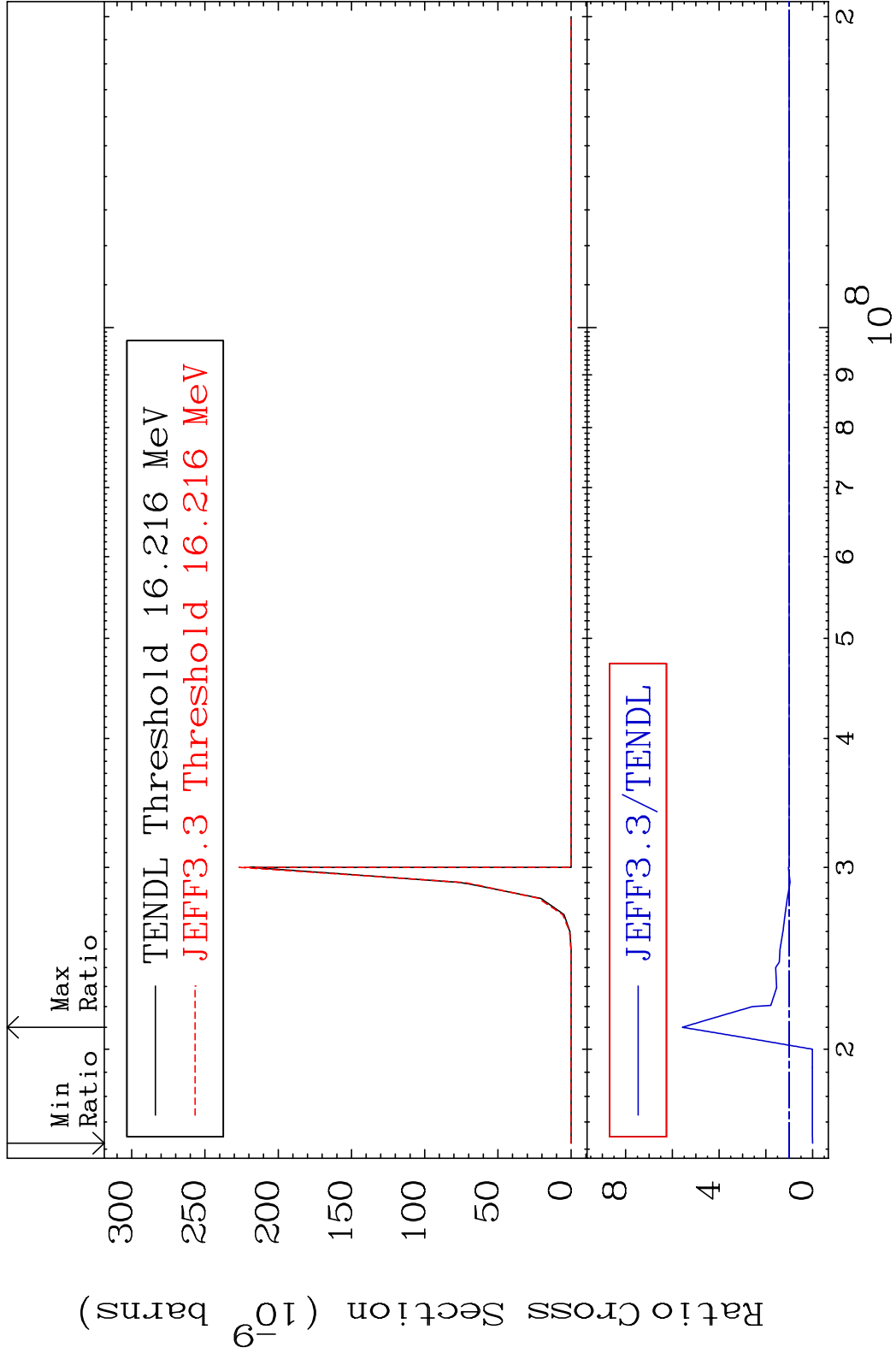
MAT 5446 (n, n') p:53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section 825.4 %

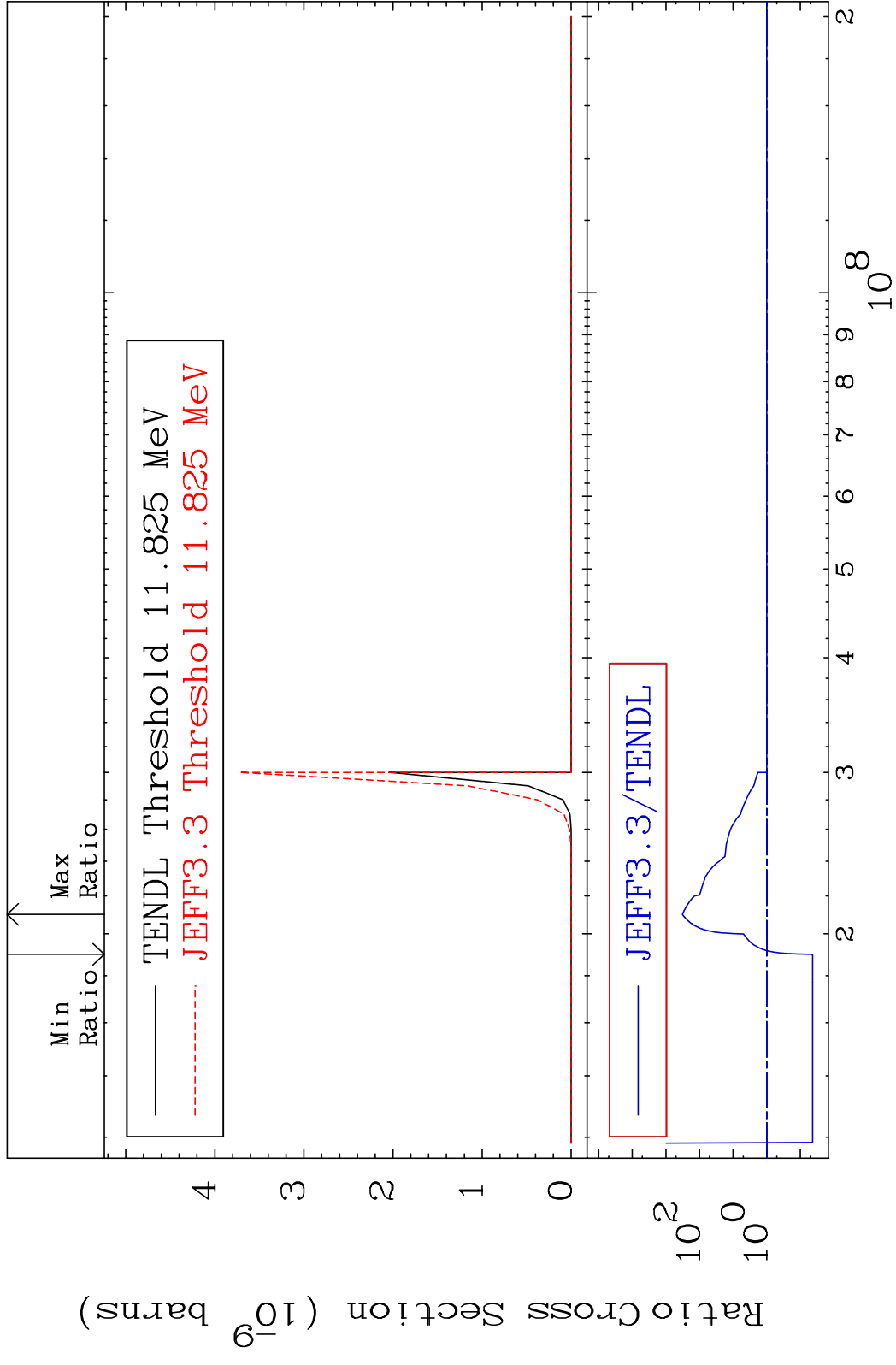


MAT 5446 (n,2n) p:52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 387.1 %

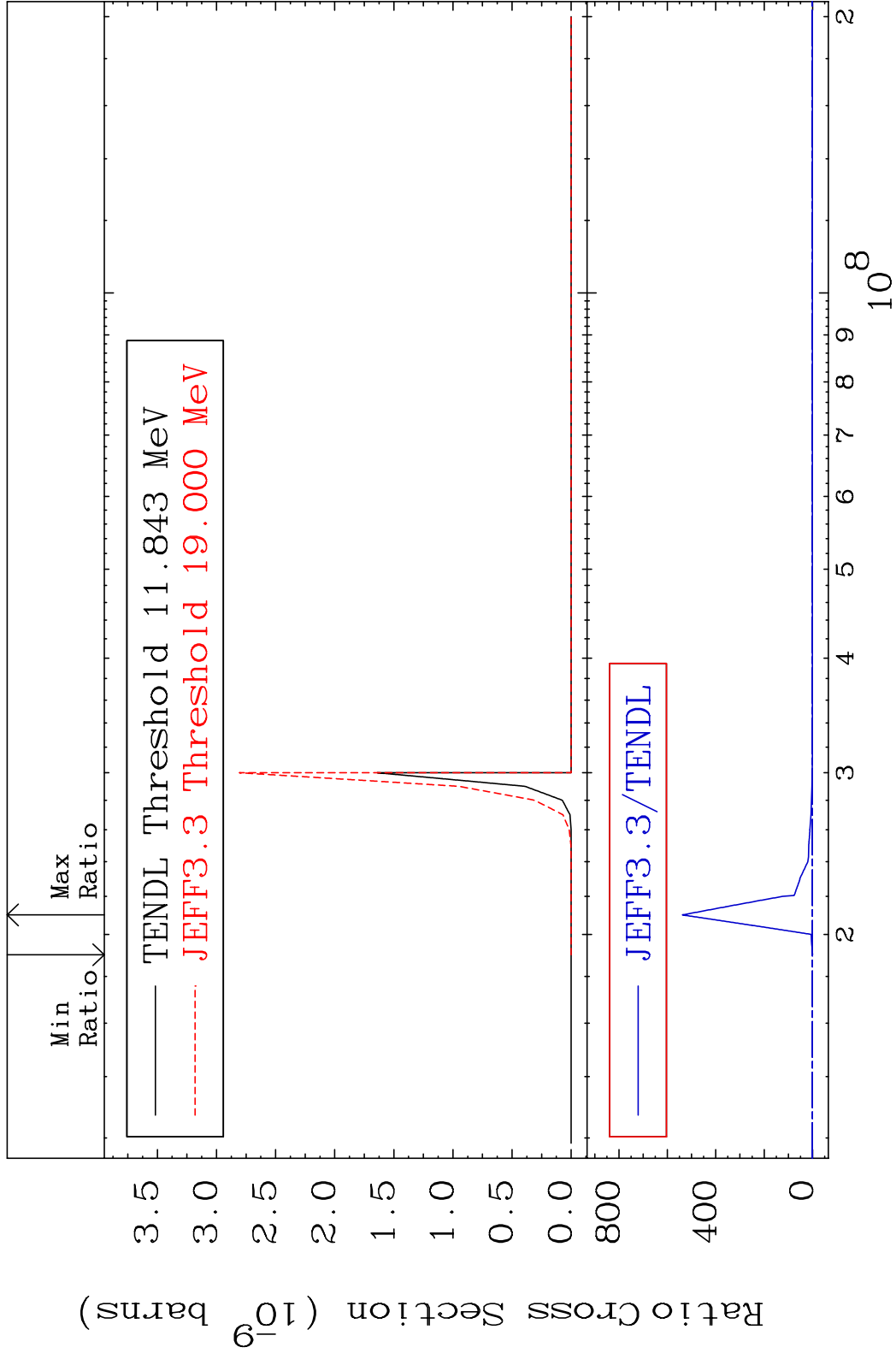


MAT 5446 (n,2n) p:52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 457.5 %

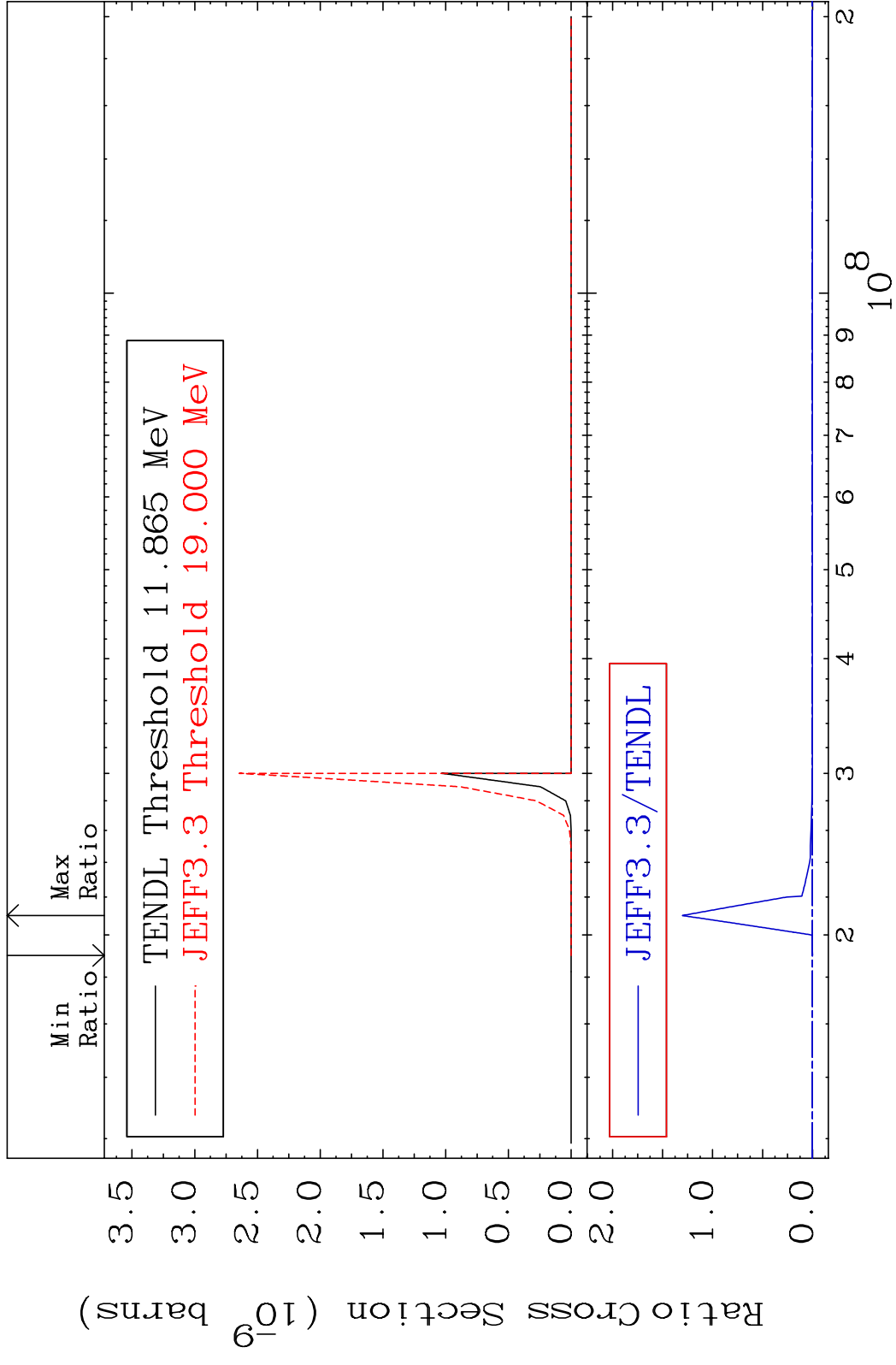




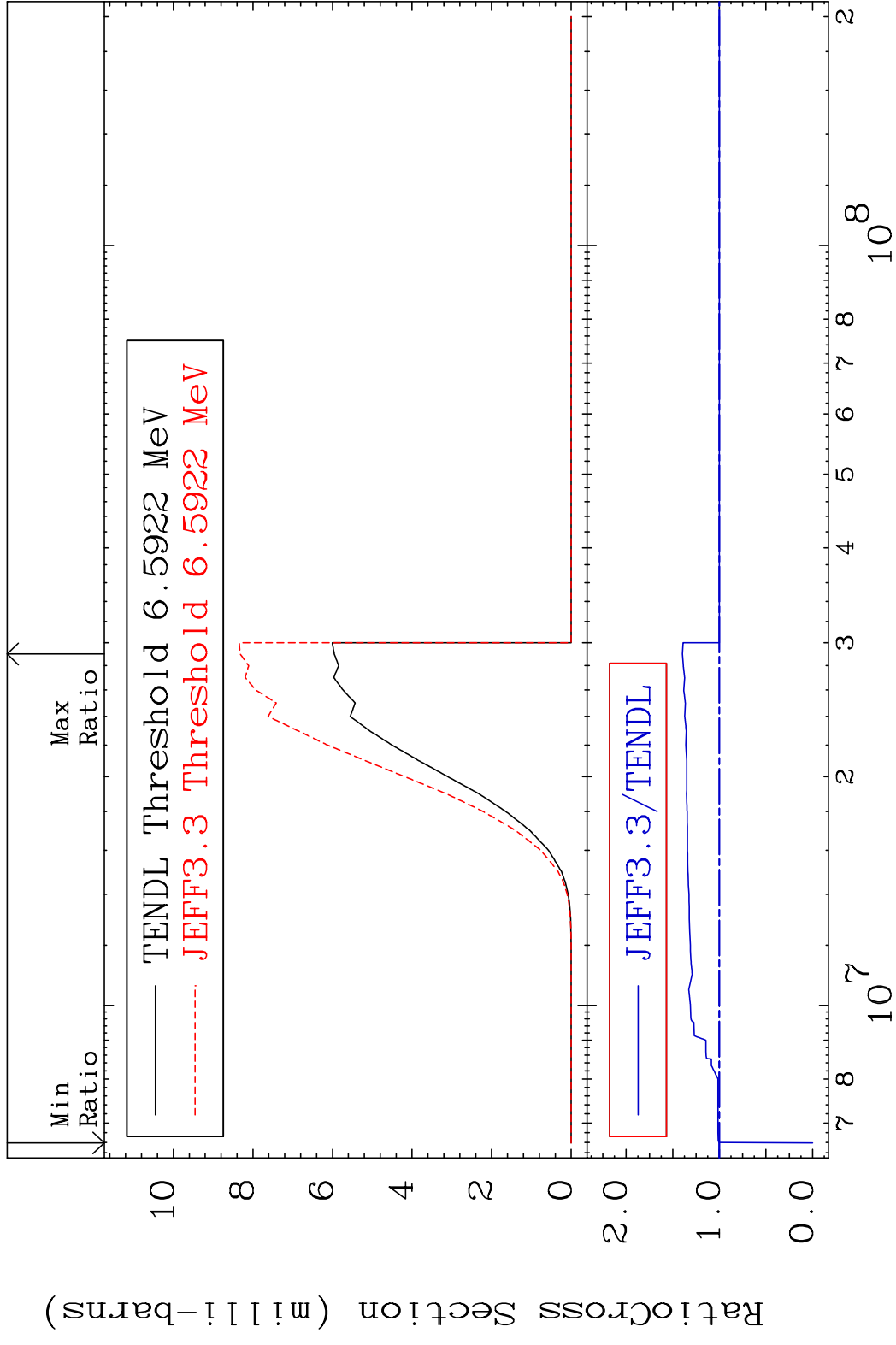
MAT 5446 (n, n') p α :51-Sb-126m1 54-Xe-131
 Radionuclide Production Cross Section Ratio 9999. %



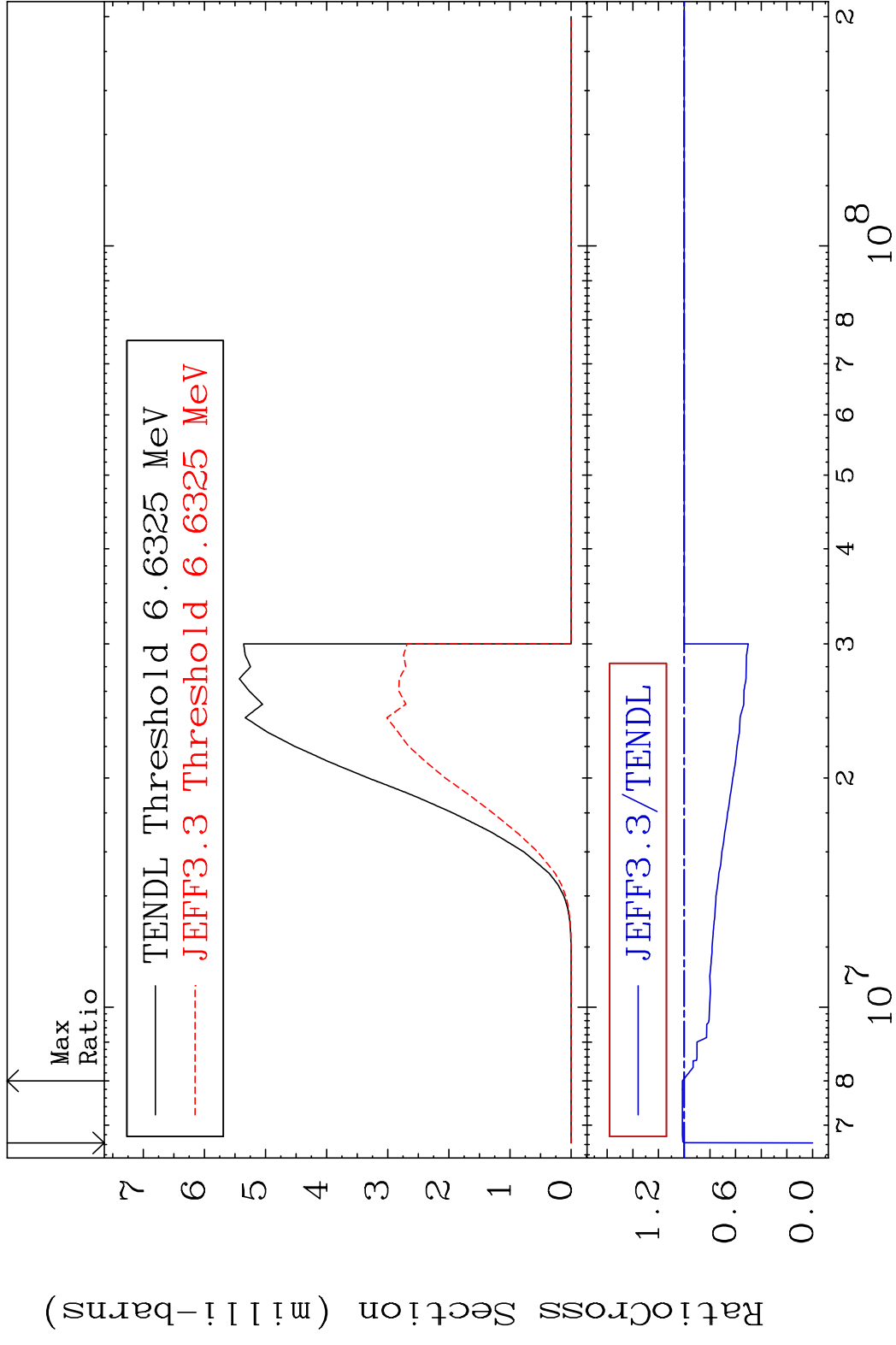
MAT 5446 (n, n') p α :51-Sb-126m2 54-Xe-131
 Radionuclide Production Cross Section 100.00 dth 9999. %



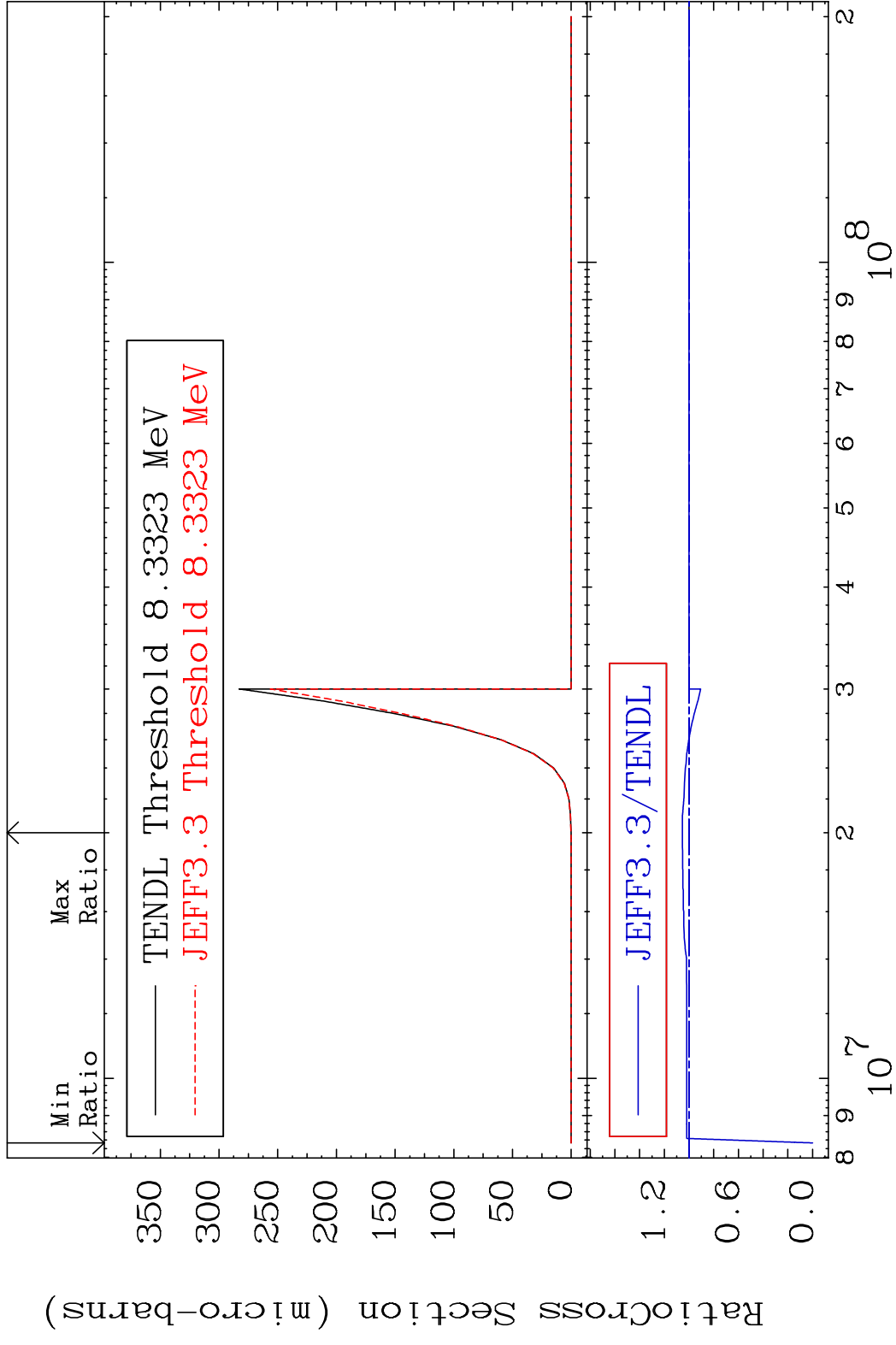
MAT 5446 (n, d):53-I -130g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 39.71 %



MAT 5446 (n, d):53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section 1.452 %



MAT 5446 (n, He-3): 52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section Ratio 5.394 %



MAT 5446 (n, He-3) : 52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section Ratio 9.937 %

