

Program Complot
(Version 2021-1)

by

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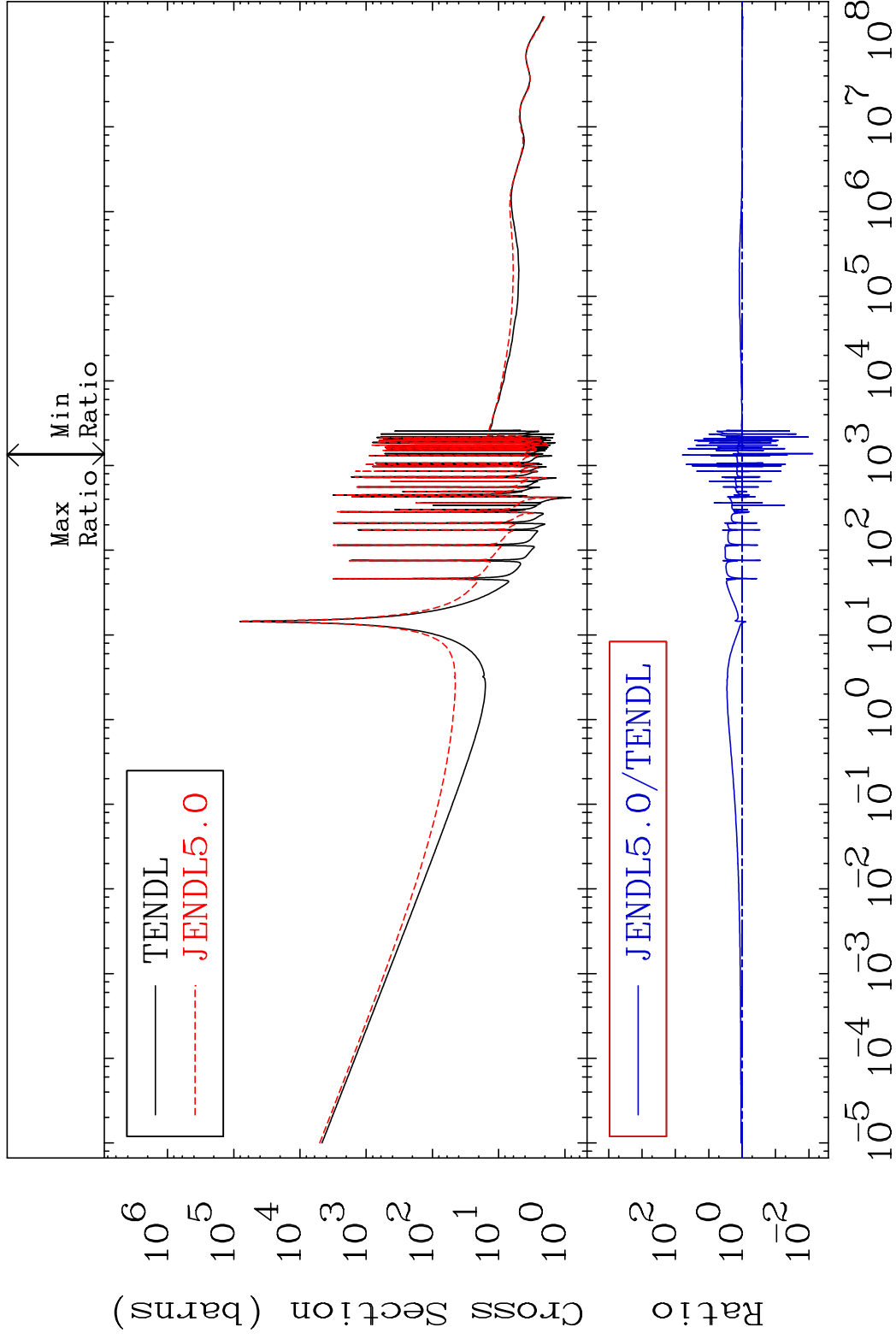
Press Mouse Button to Start

MAT 5446

Total

54-Xe-131

Cross Section -99.22 To 6094. %



1

Incident Energy (eV)

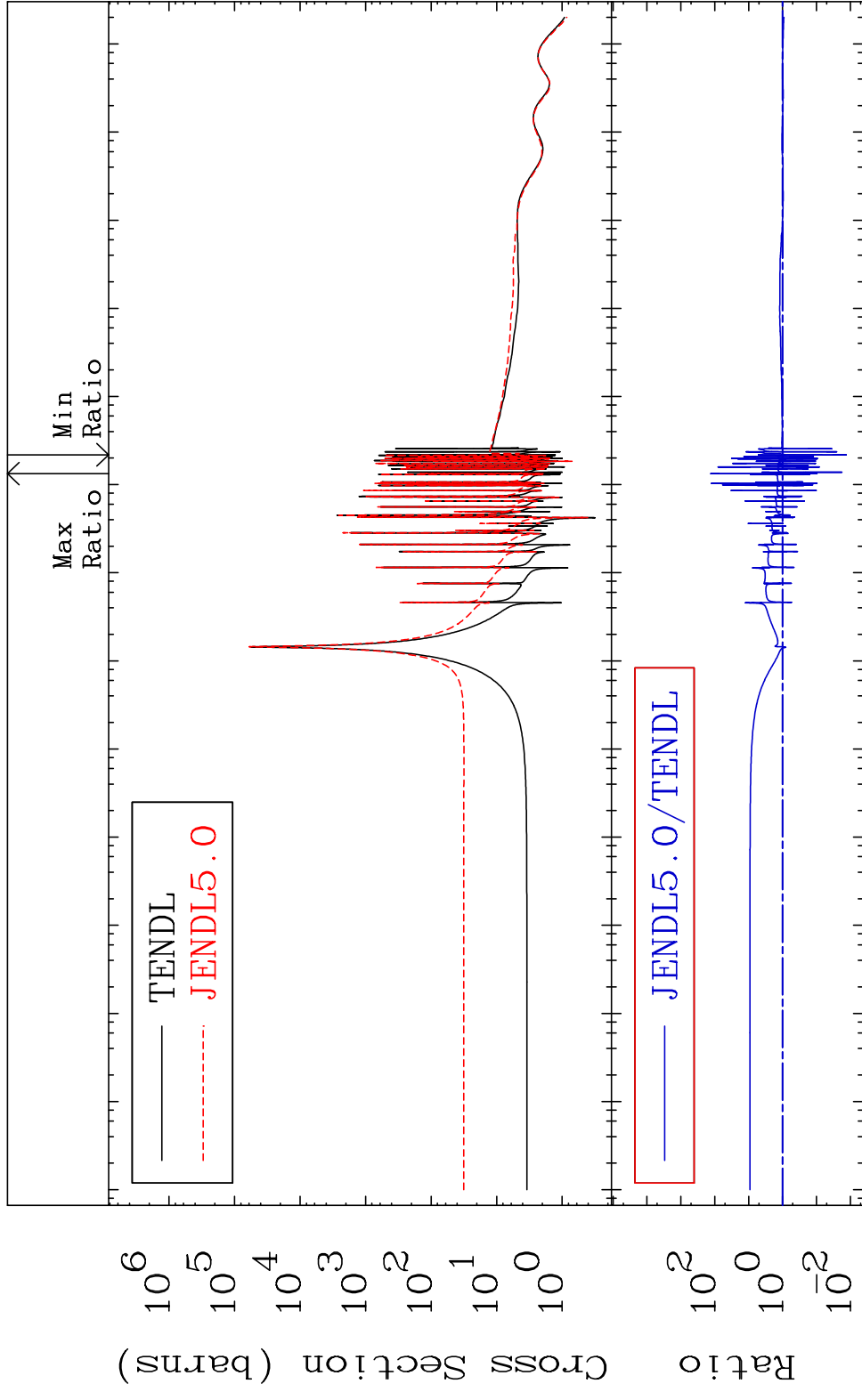
54-Xe-131

MAT 5446

54-Xe-131

Elastic

Cross Section -98.68 To 9999. %

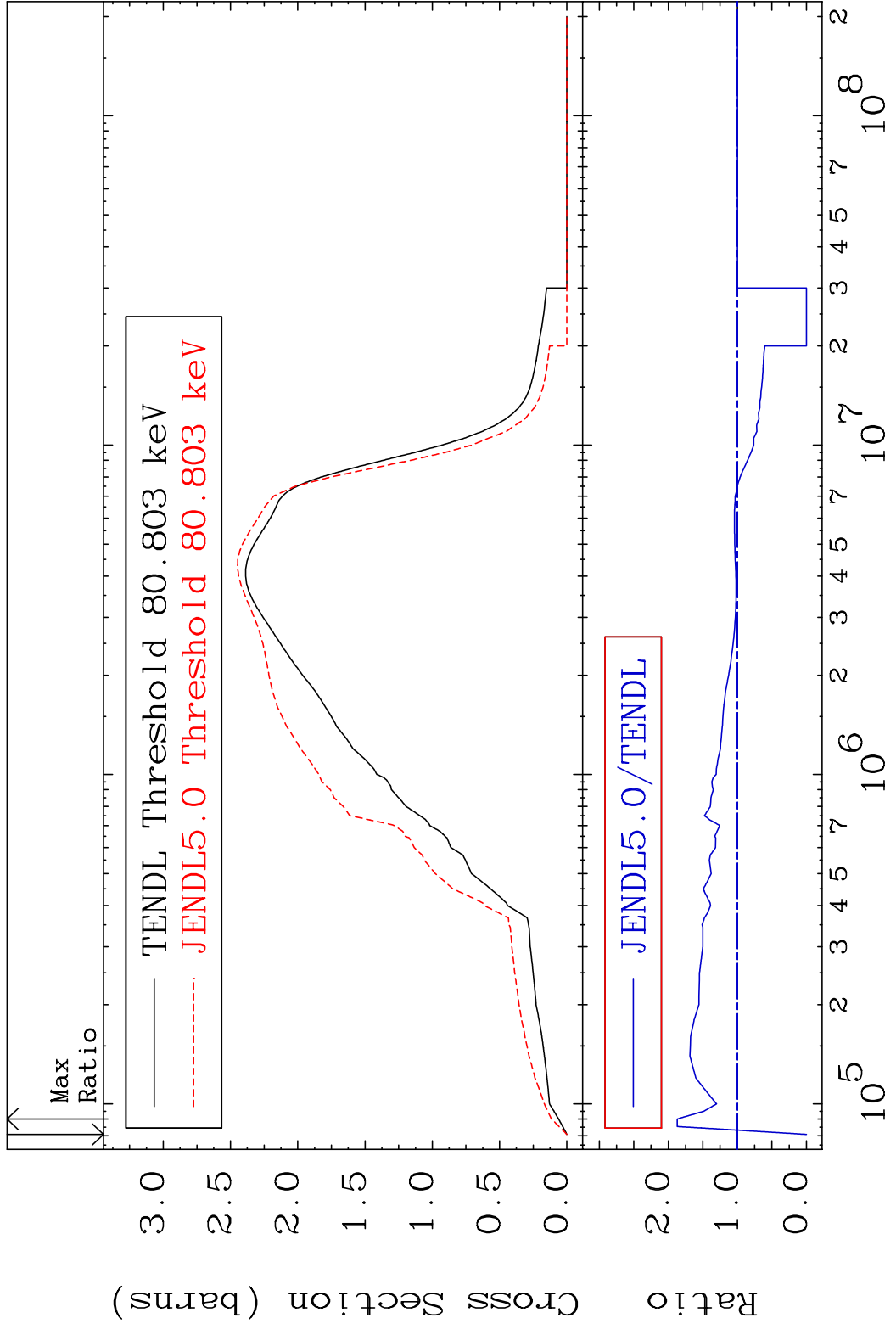


2

Incident Energy (eV)

54-Xe-131

MAT 5446 Inelastic 54-Xe-131
 Cross Section -100.0 To 87.14 %

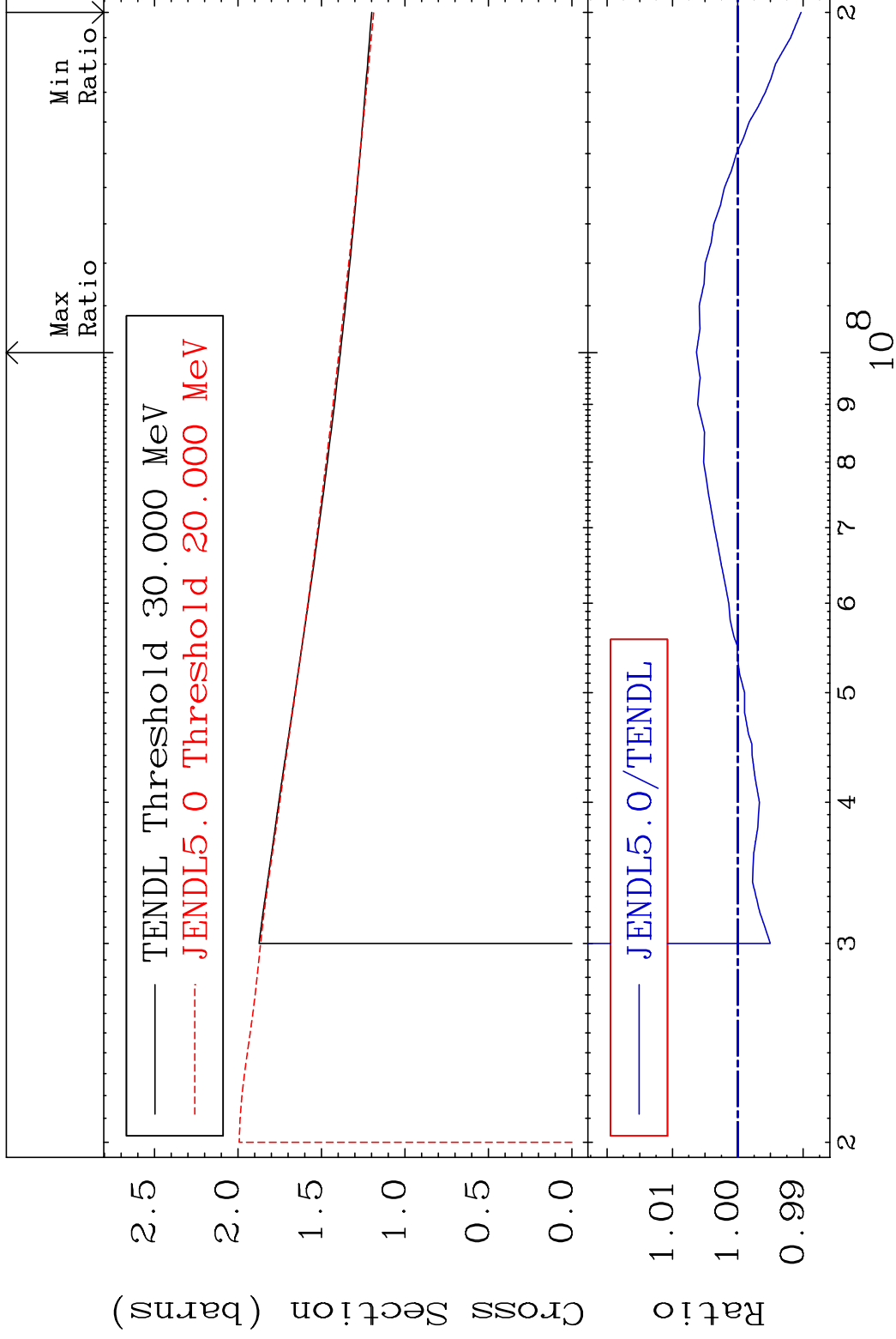


MAT 5446

(n, remainder)

54-Xe-131

Cross Section -0.967 To 0.632 %



4

Incident Energy (eV)

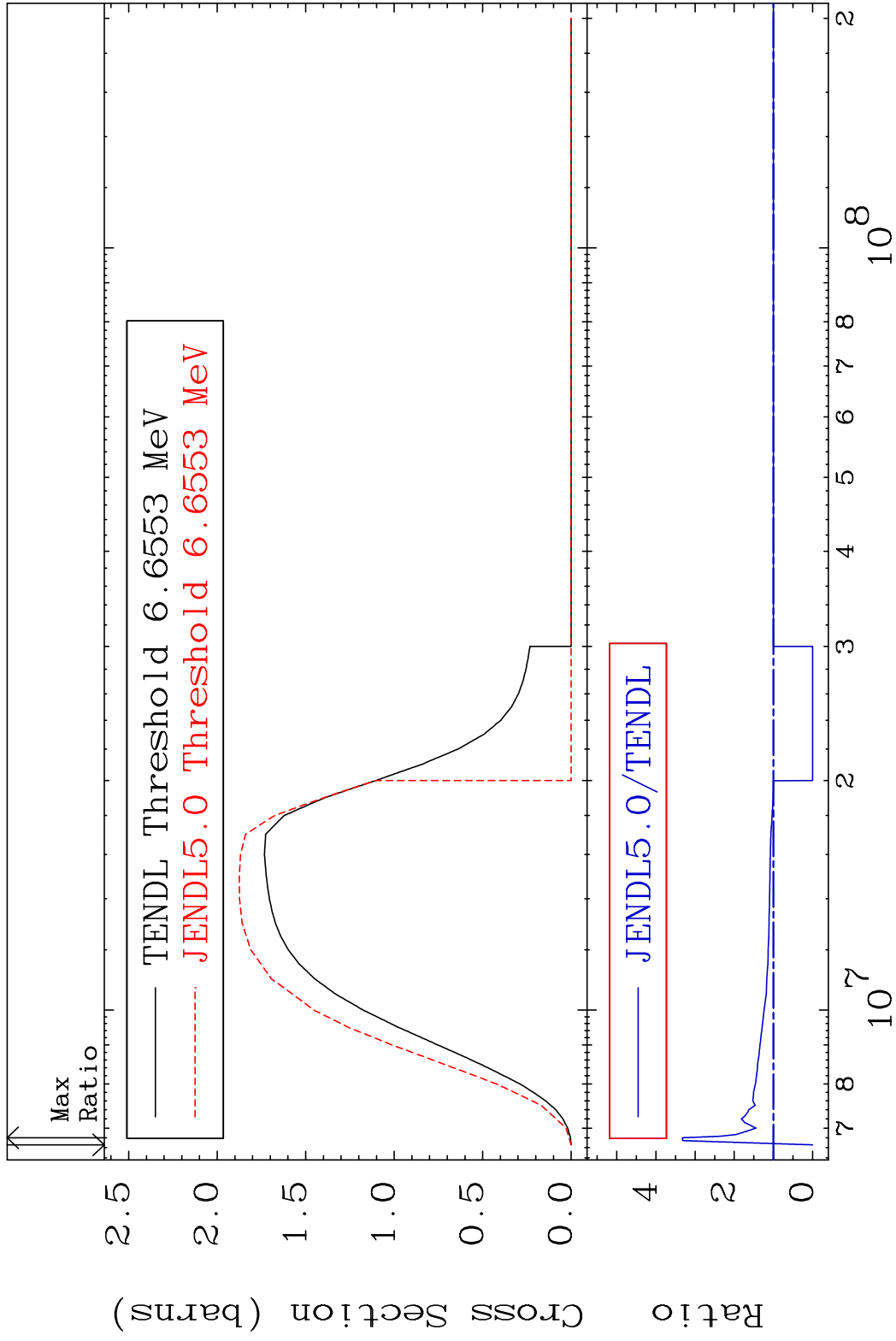
54-Xe-131

MAT 5446

(n,2n)

54-Xe-131

Cross Section -100.0 To 232.5 %



5

Incident Energy (eV)

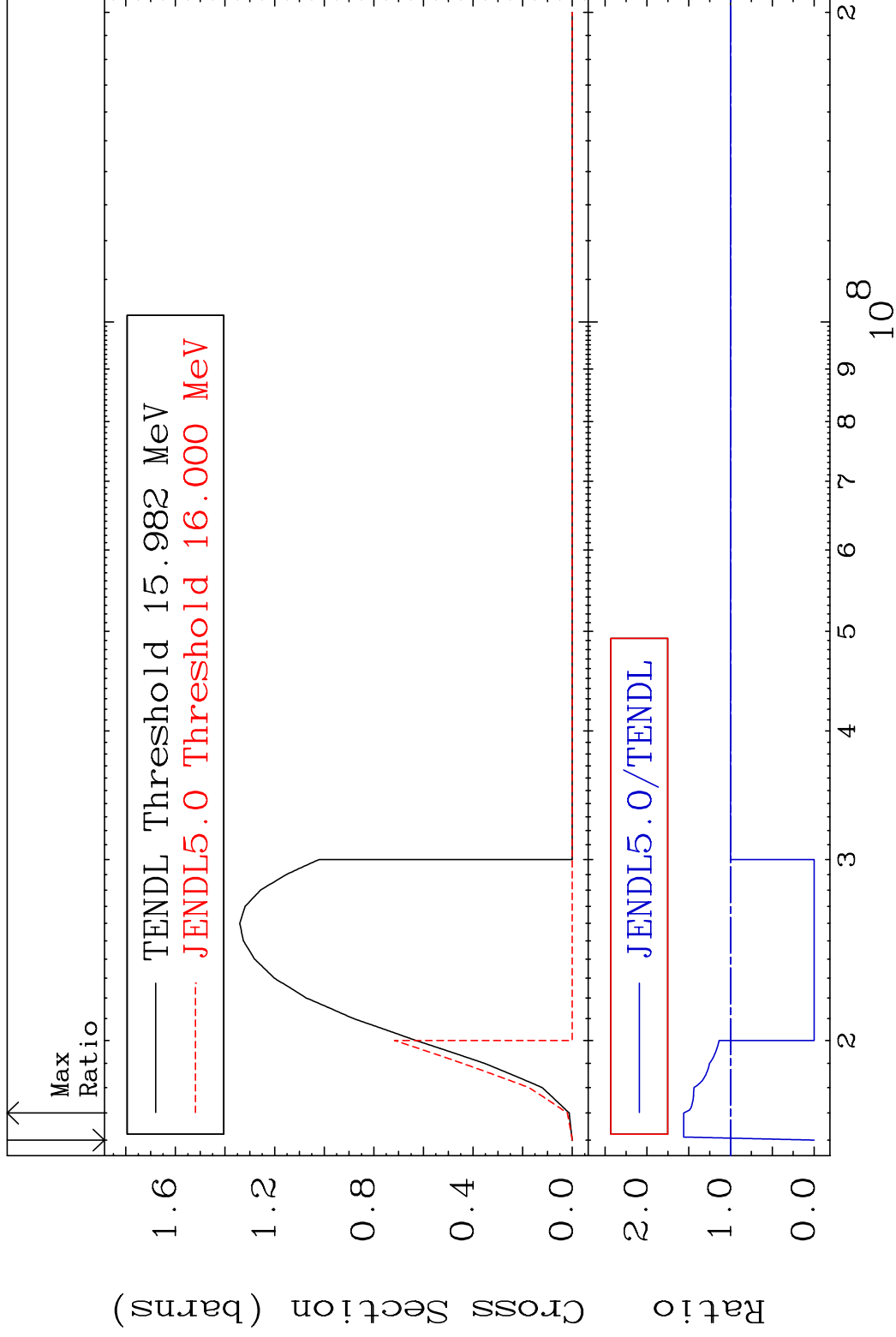
54-Xe-131

MAT 5446

(n,3n)

54-Xe-131

Cross Section -100.0 To 56.10 %

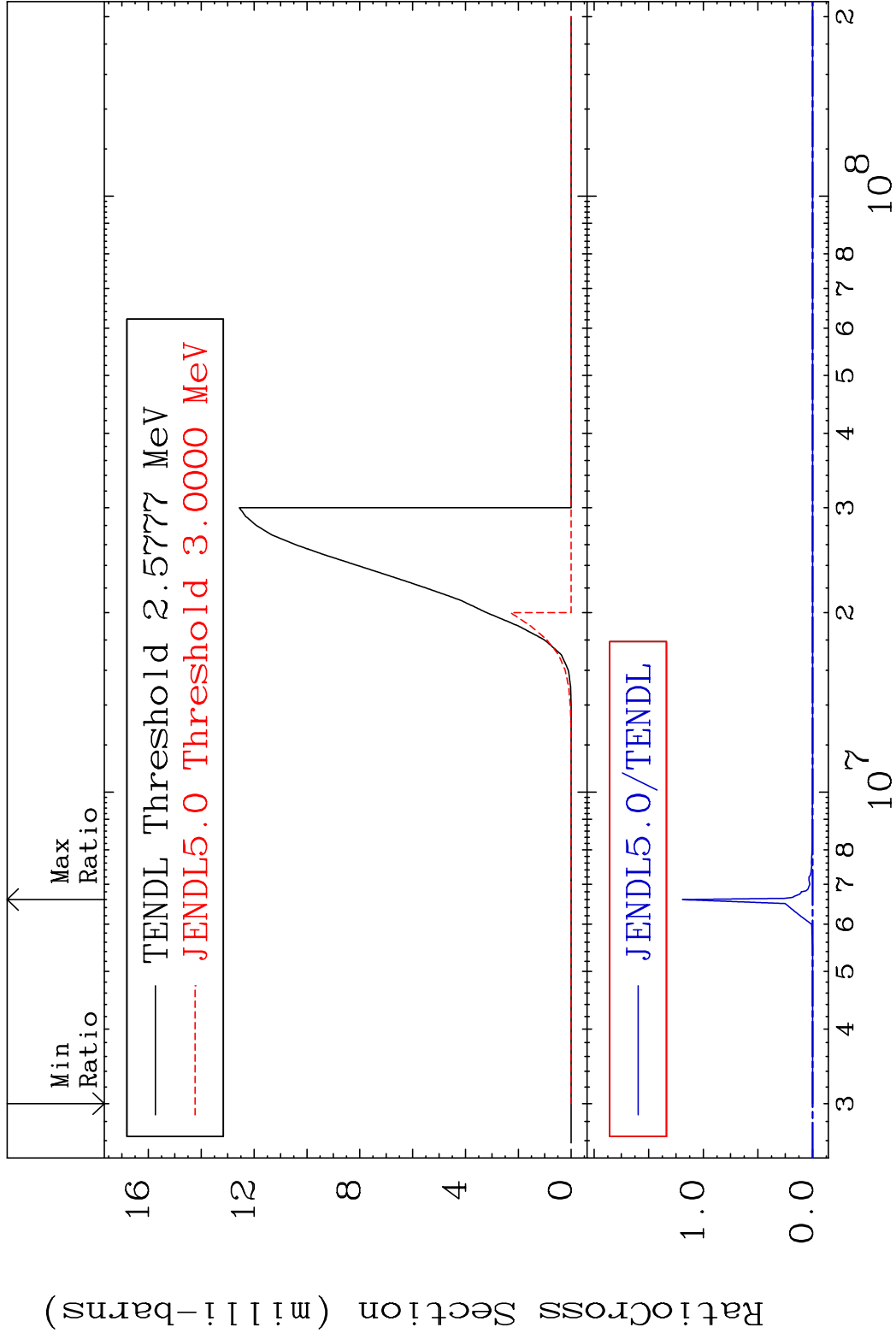


MAT 5446

(n, n') α

54-Xe-131

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

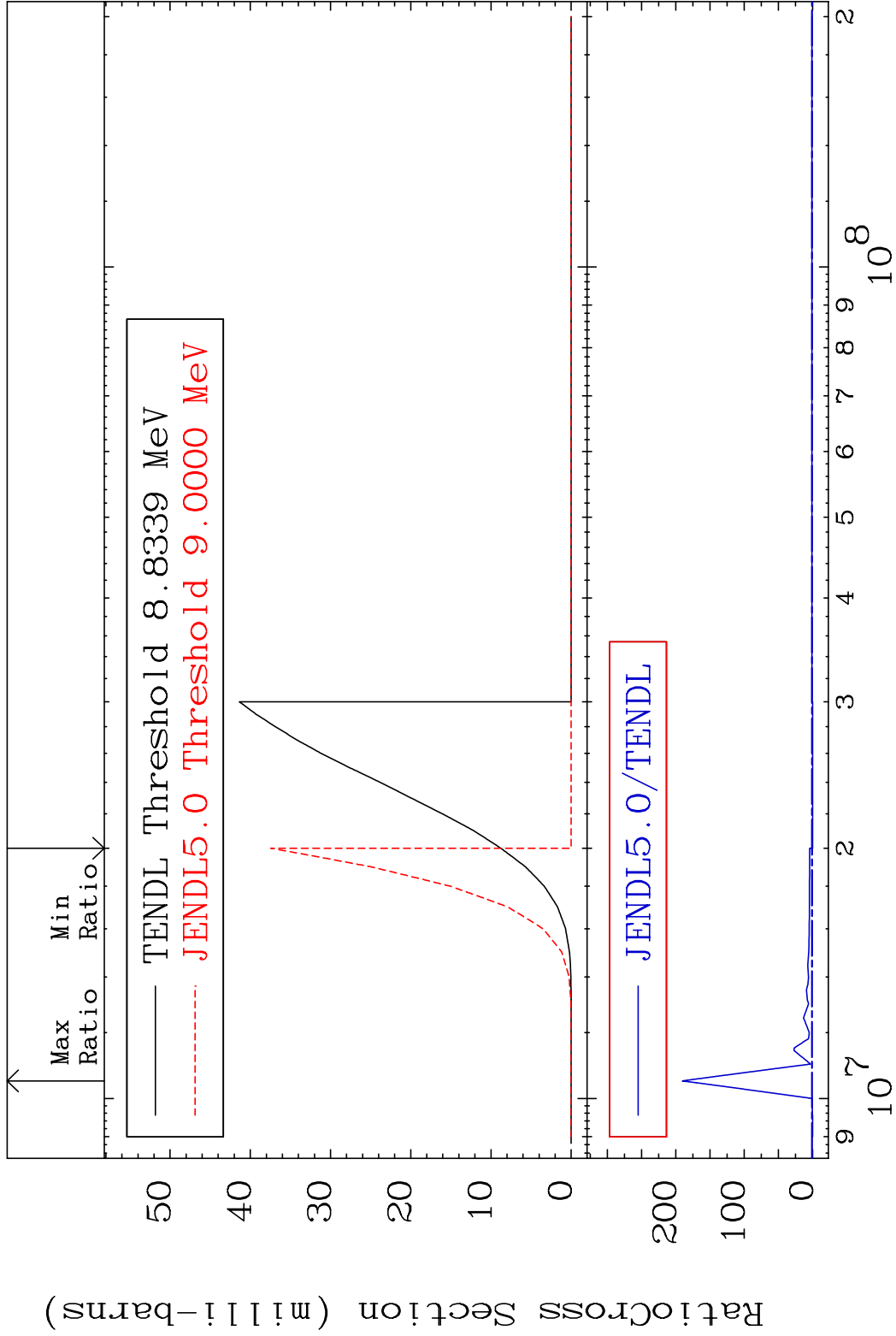
54-Xe-131

MAT 5446

(n, n') p

54-Xe-131

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

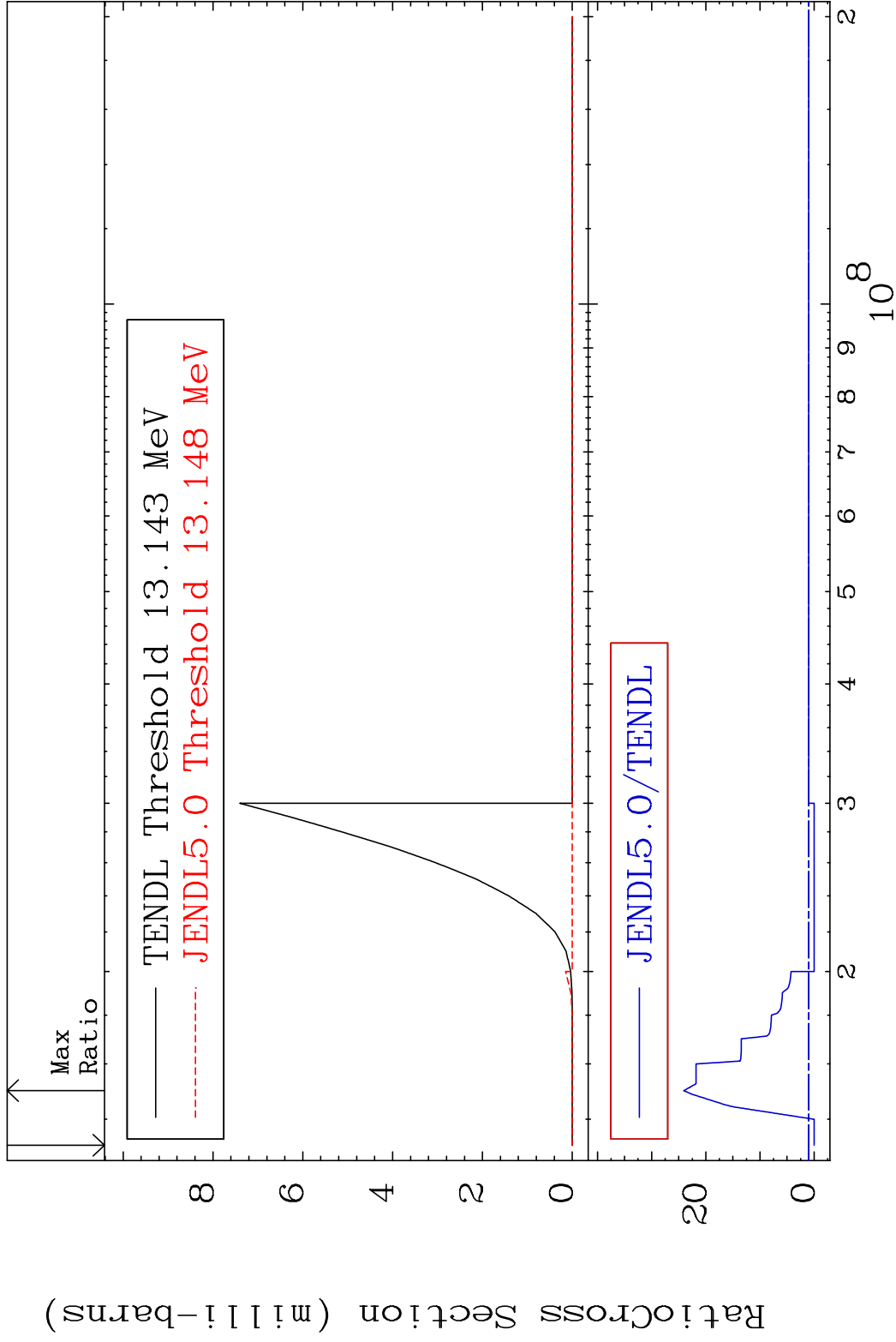
54-Xe-131

MAT 5446

(n, n') d

54-Xe-131

Cross Section -100.0 To 2309. %

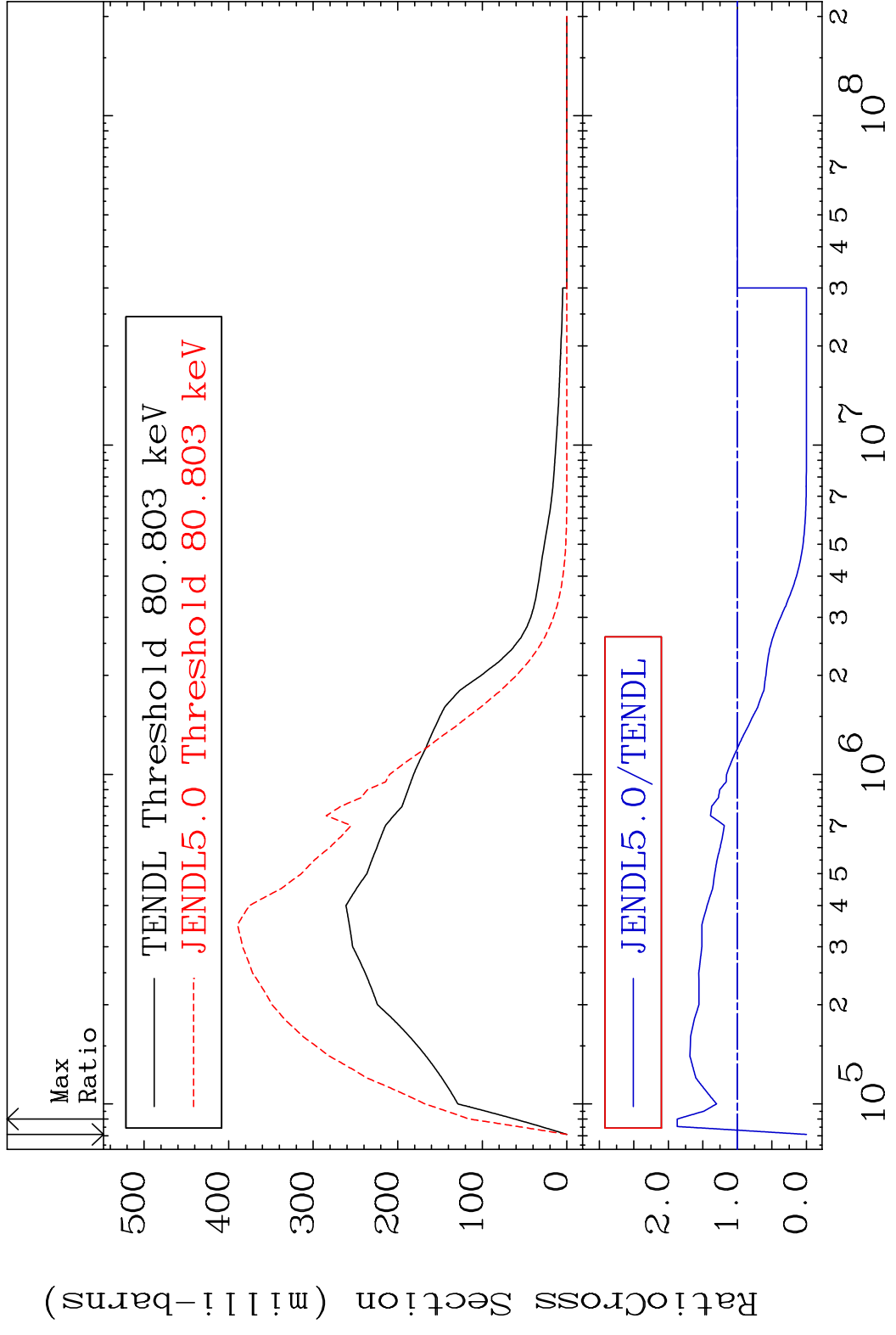


9

Incident Energy (eV)

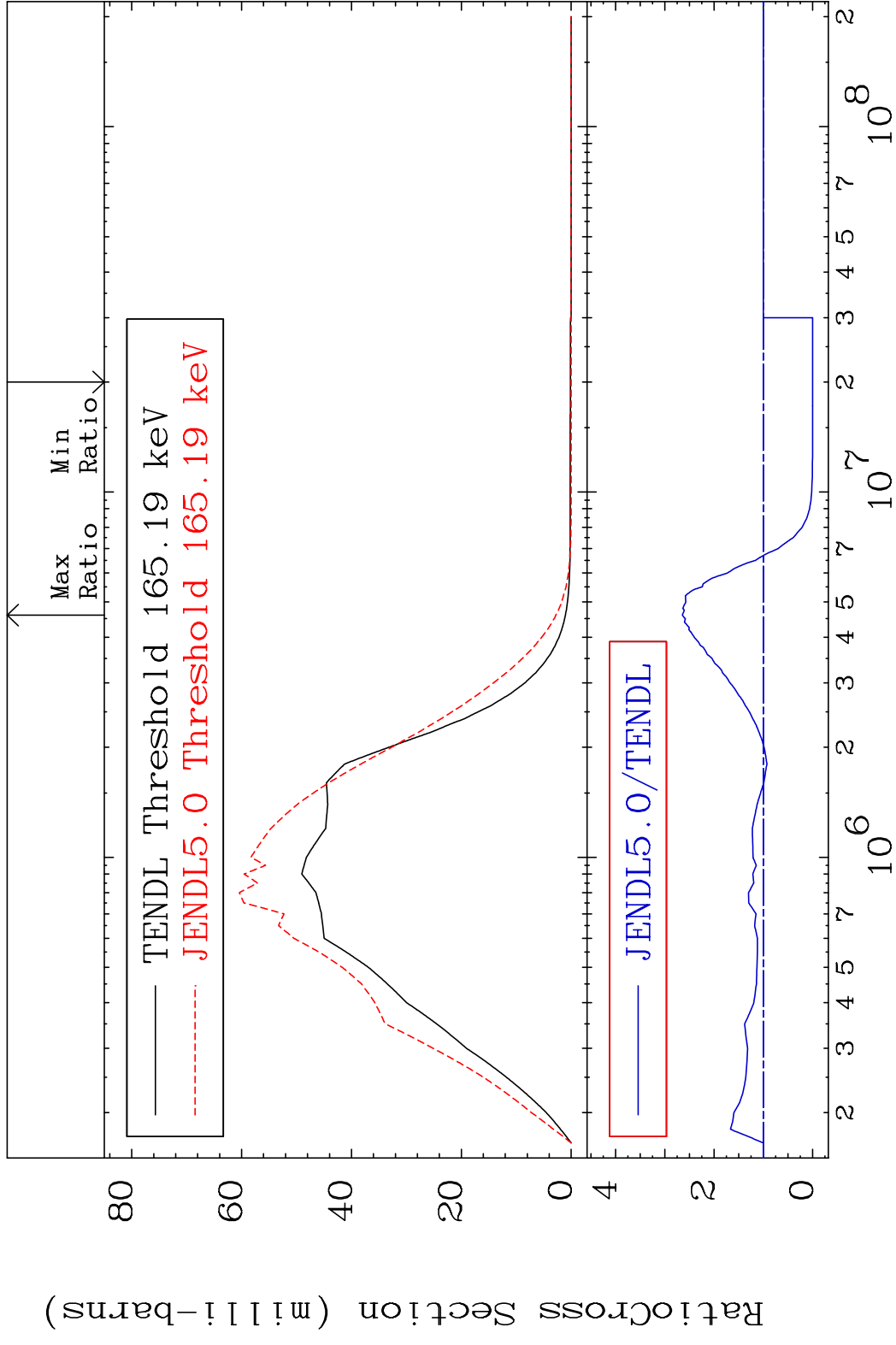
54-Xe-131

MAT 5446 MT= 51 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 87.14 %

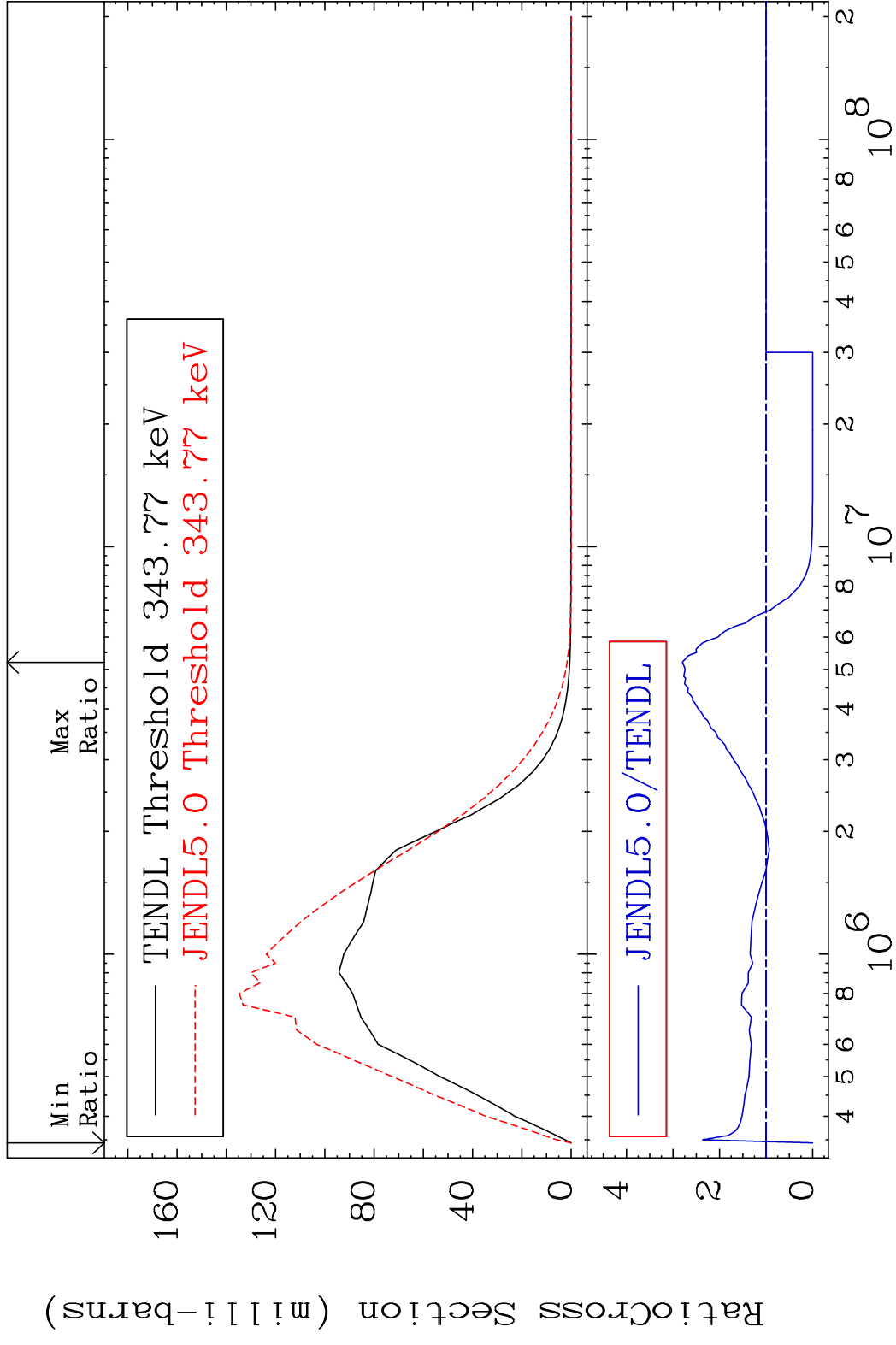


10 Incident Energy (eV) 54-Xe-131

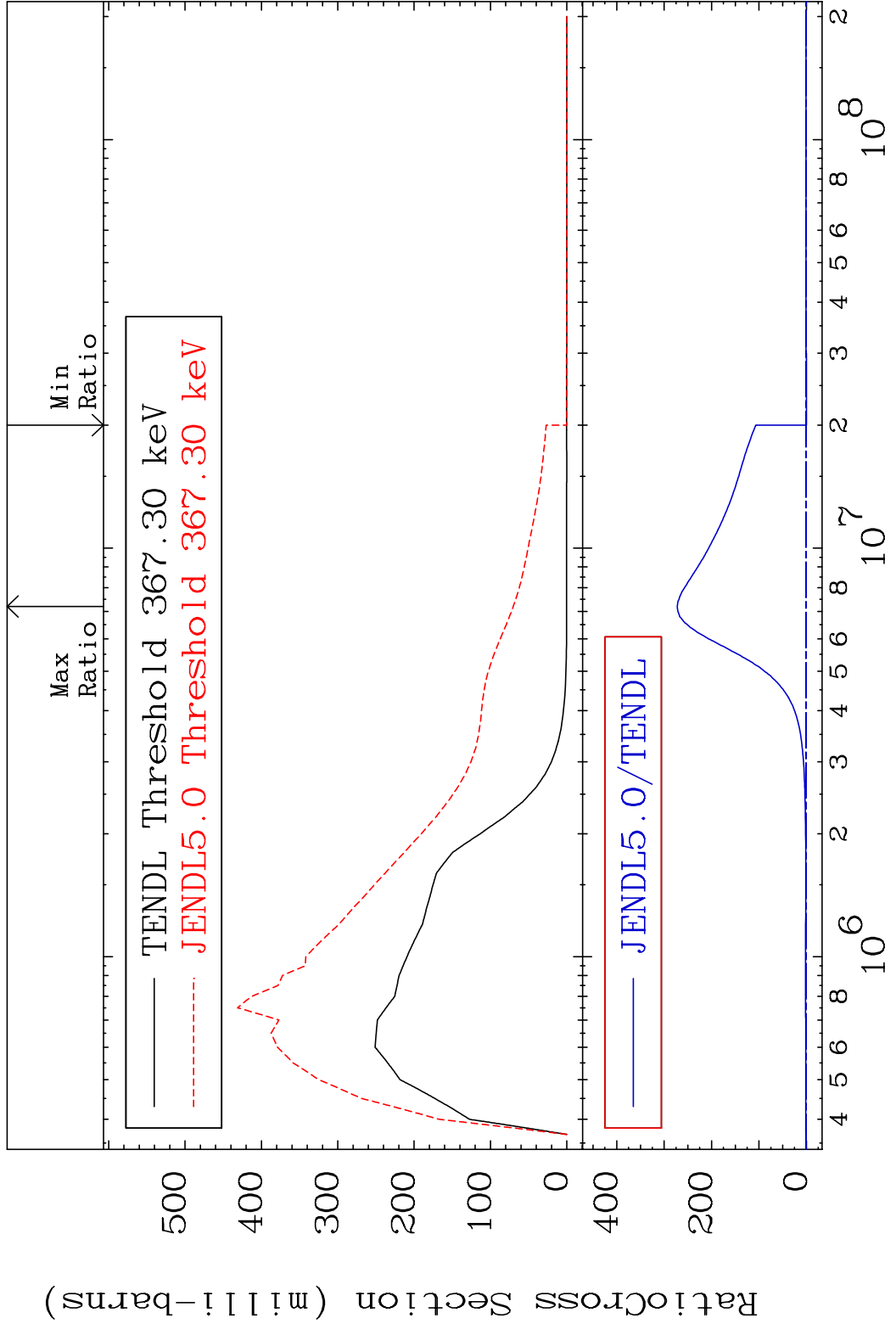
MAT 5446 MT= 52 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 164.5 %



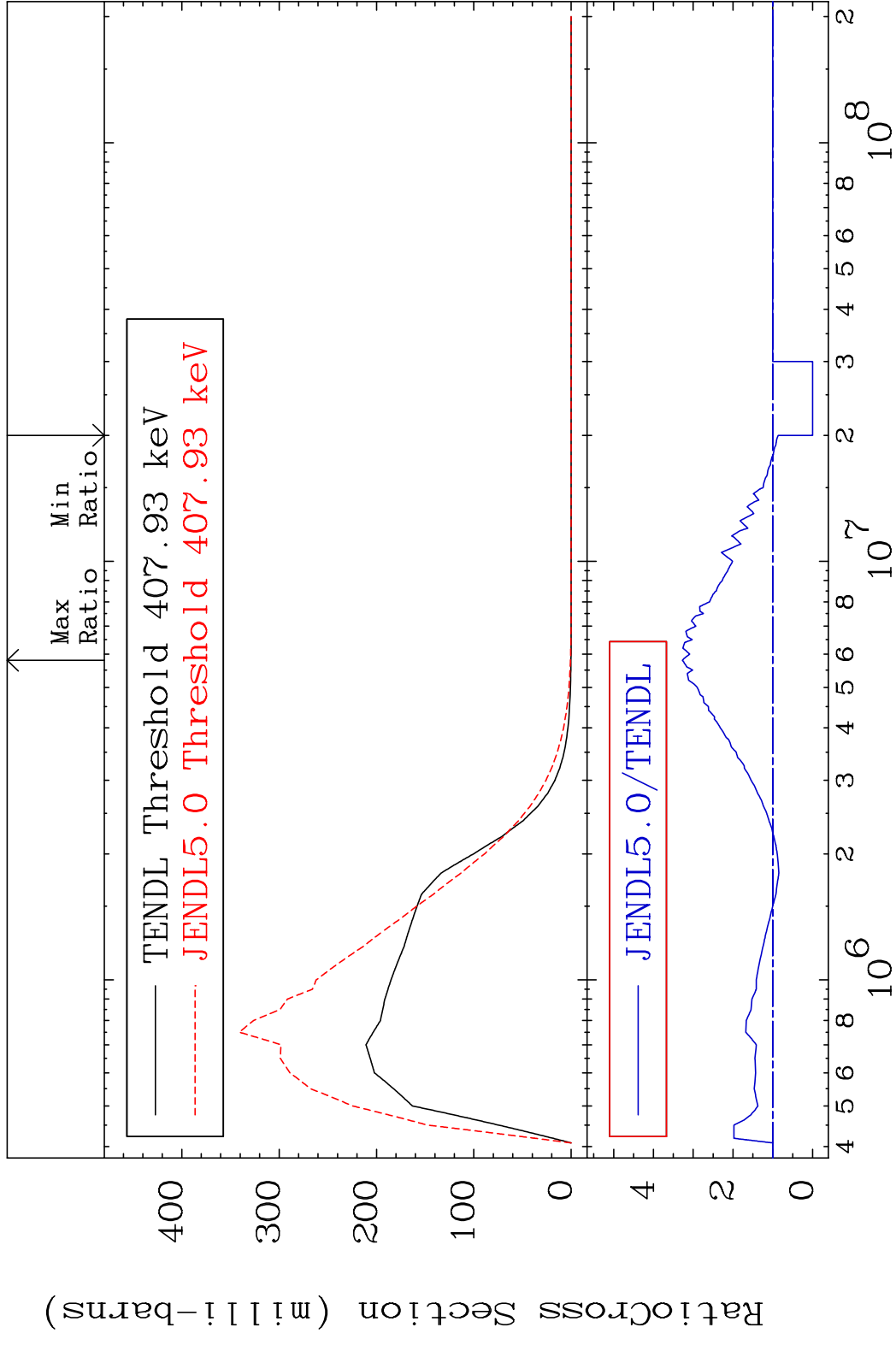
MAT 5446 MT= 53 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 179.9 %



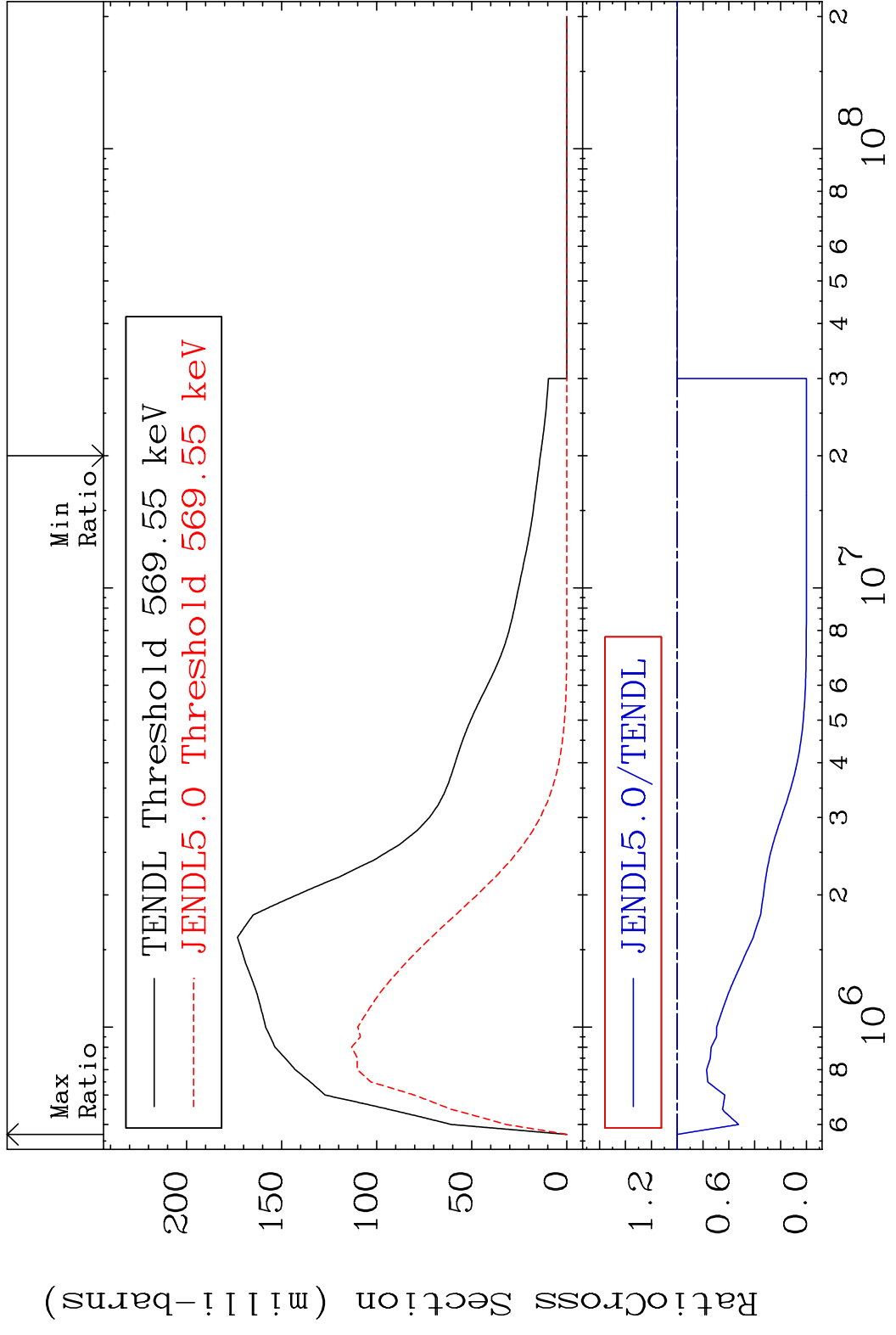
MAT 5446 MT= 54 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 9999. %



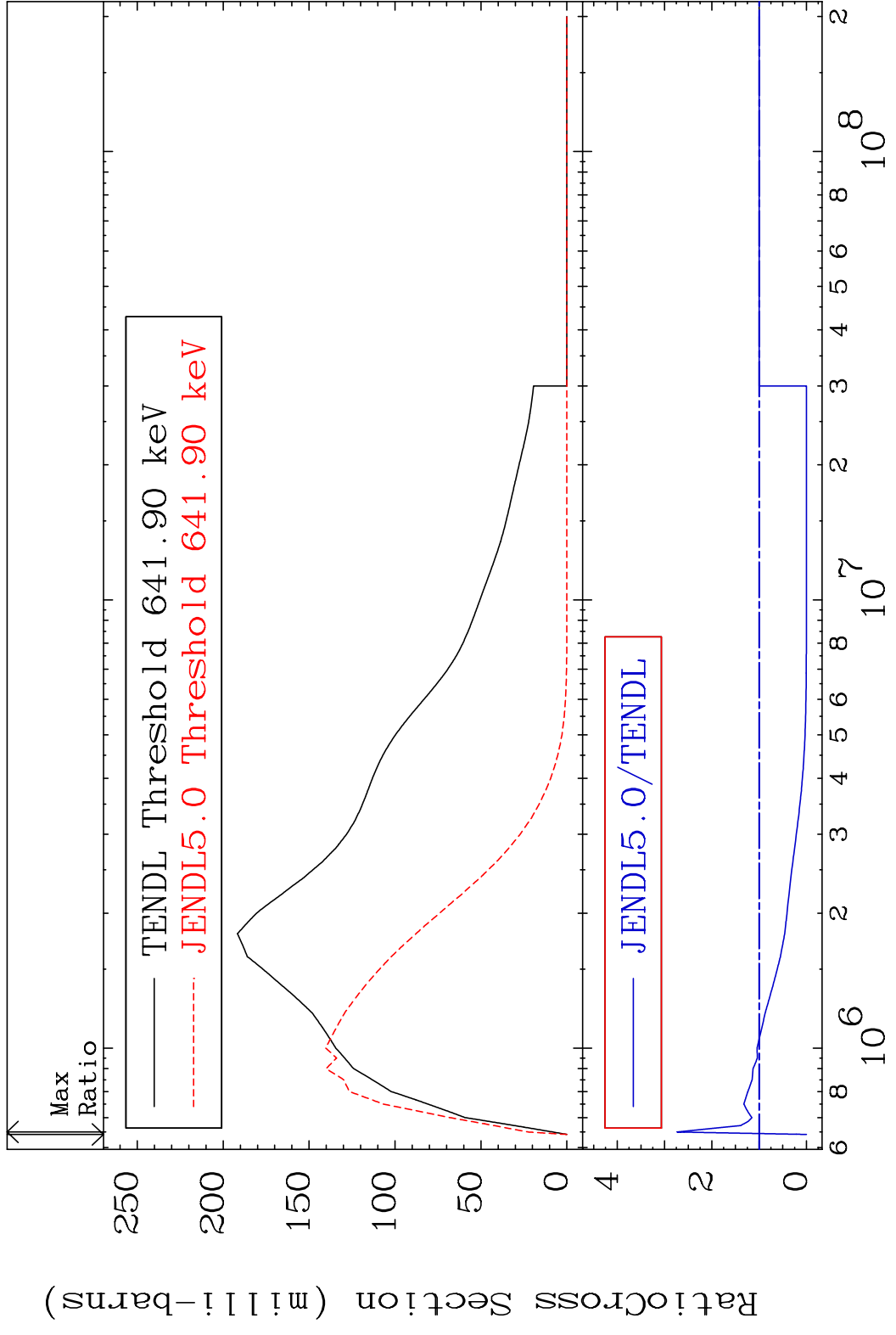
MAT 5446 MT= 55 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 227.3 %



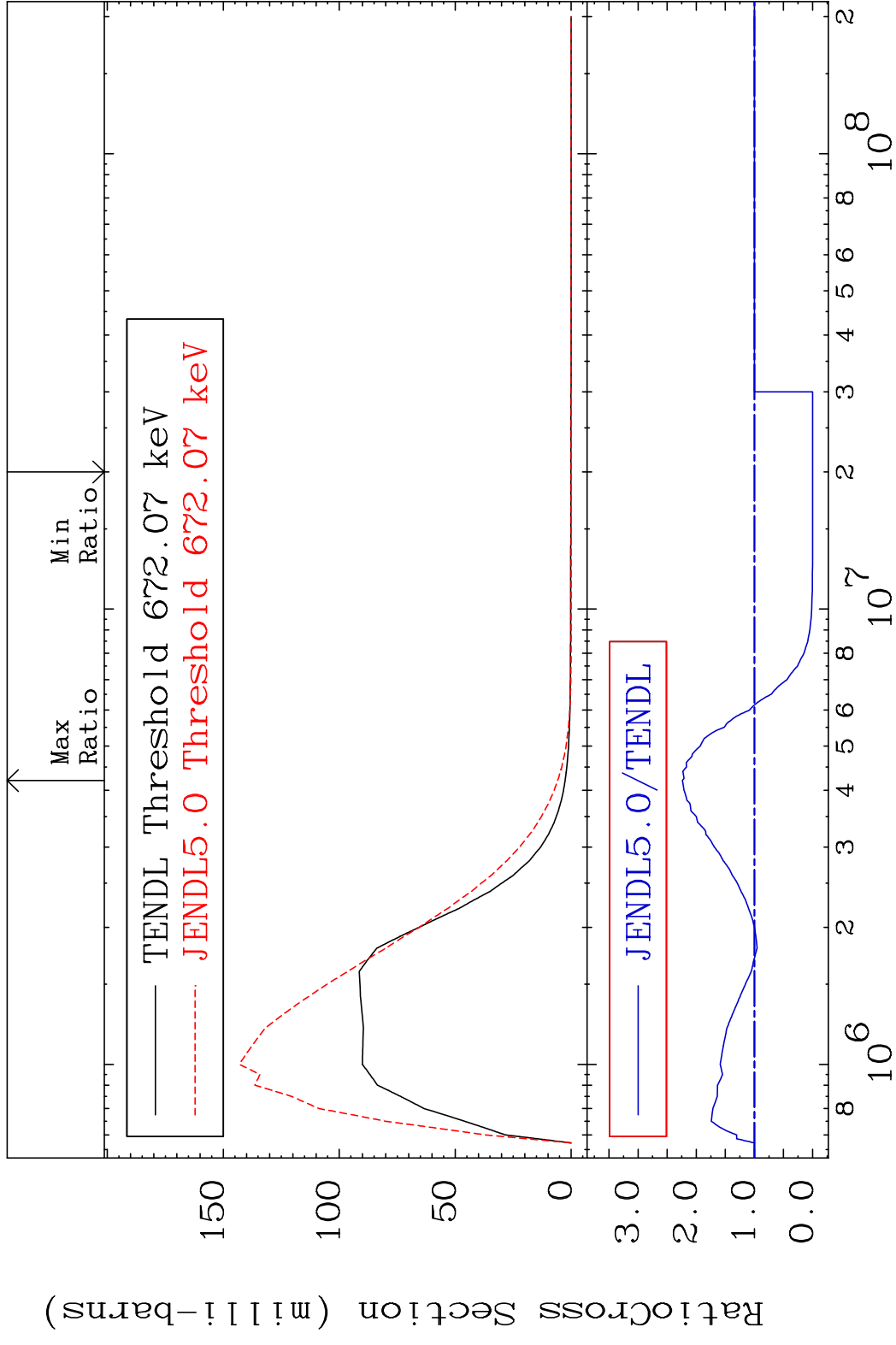
MAT 5446 MT= 56 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 0.000 %



MAT 5446 MT= 57 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 173.3 %

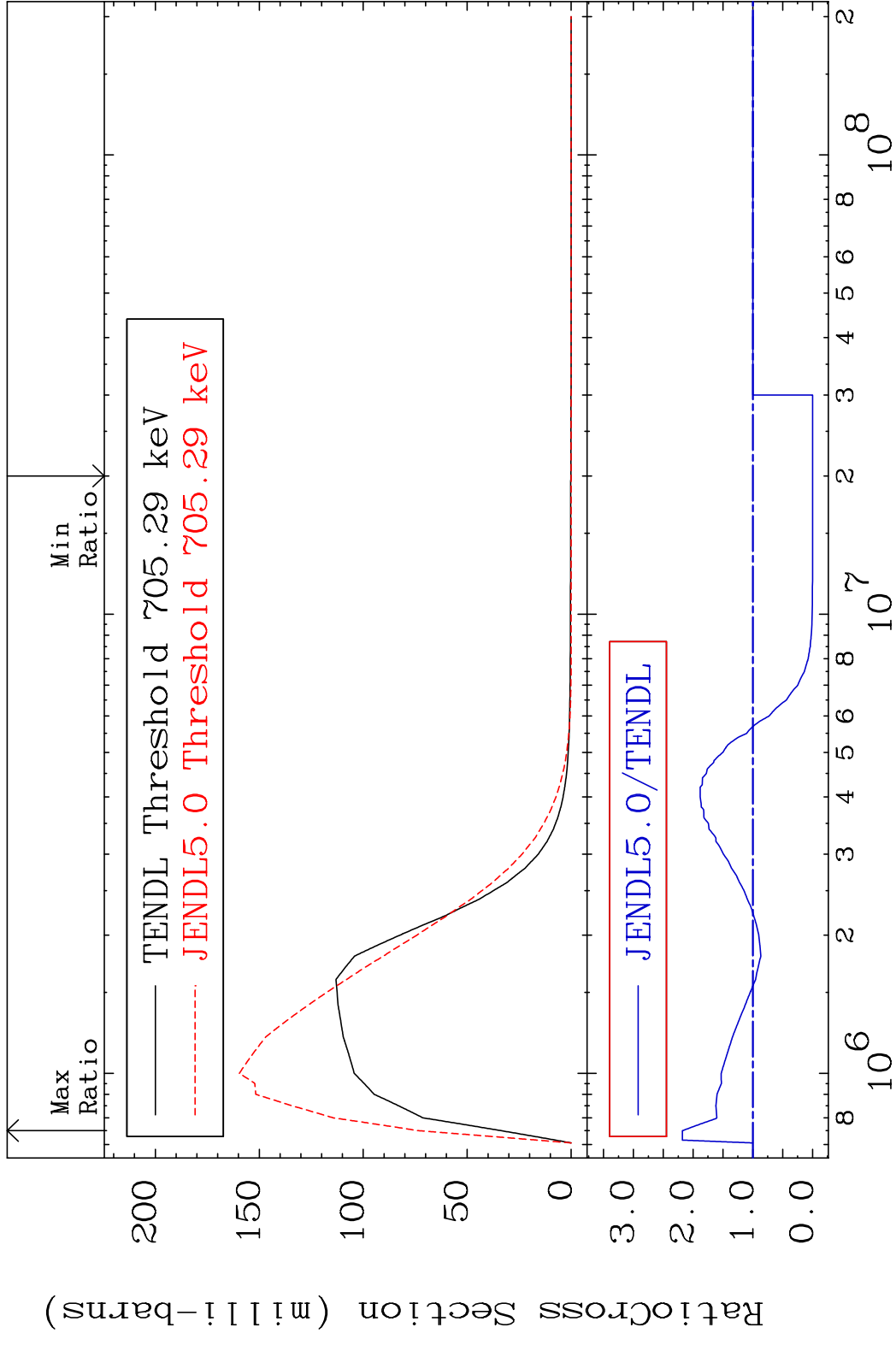


MAT 5446 MT= 58 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 123.9 %



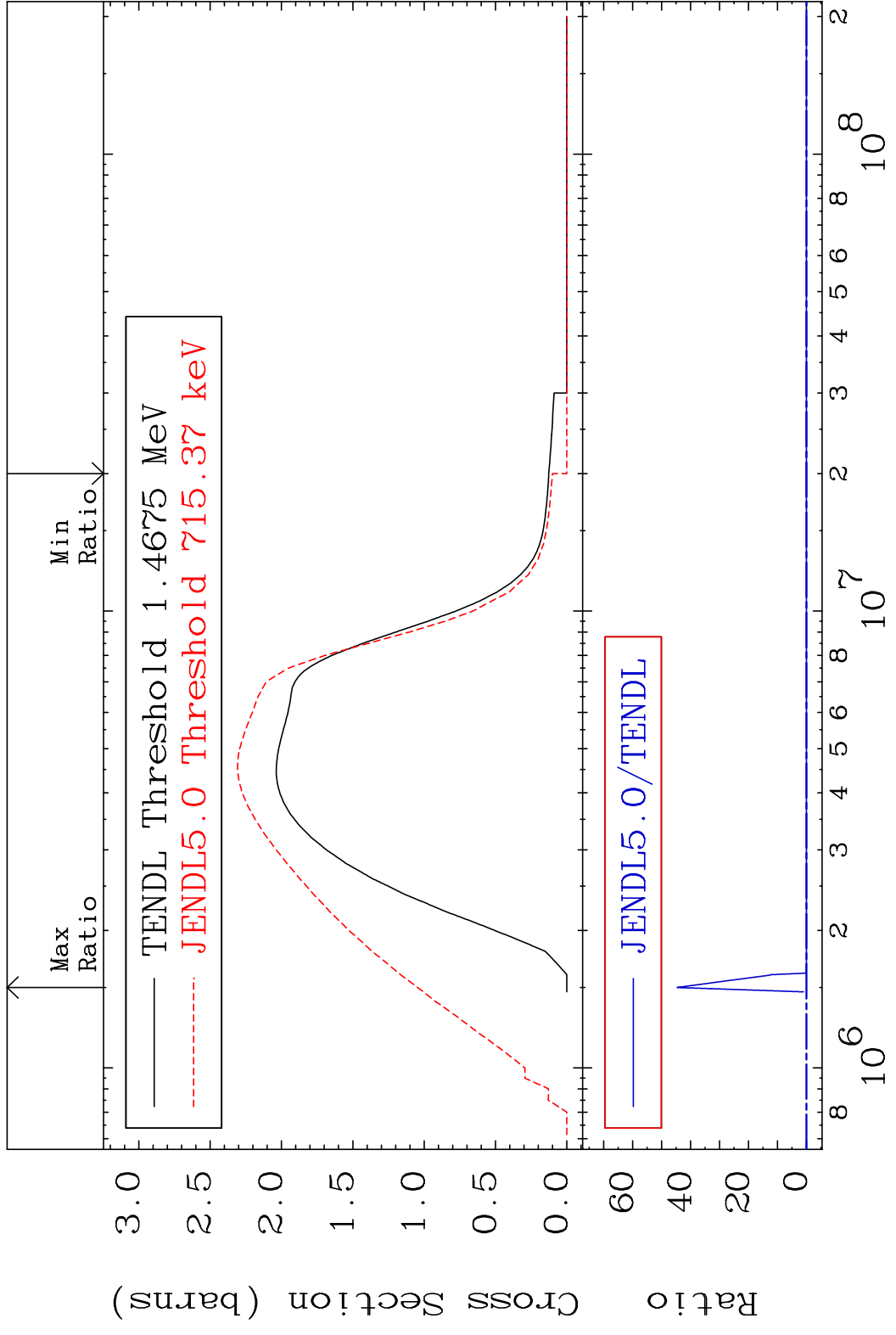
17 Incident Energy (eV) 54-Xe-131

MAT 5446 MT= 59 (n, n') Level 54-Xe-131
 Cross Section -100.0 To 118.0 %



18 Incident Energy (eV) 54-Xe-131

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

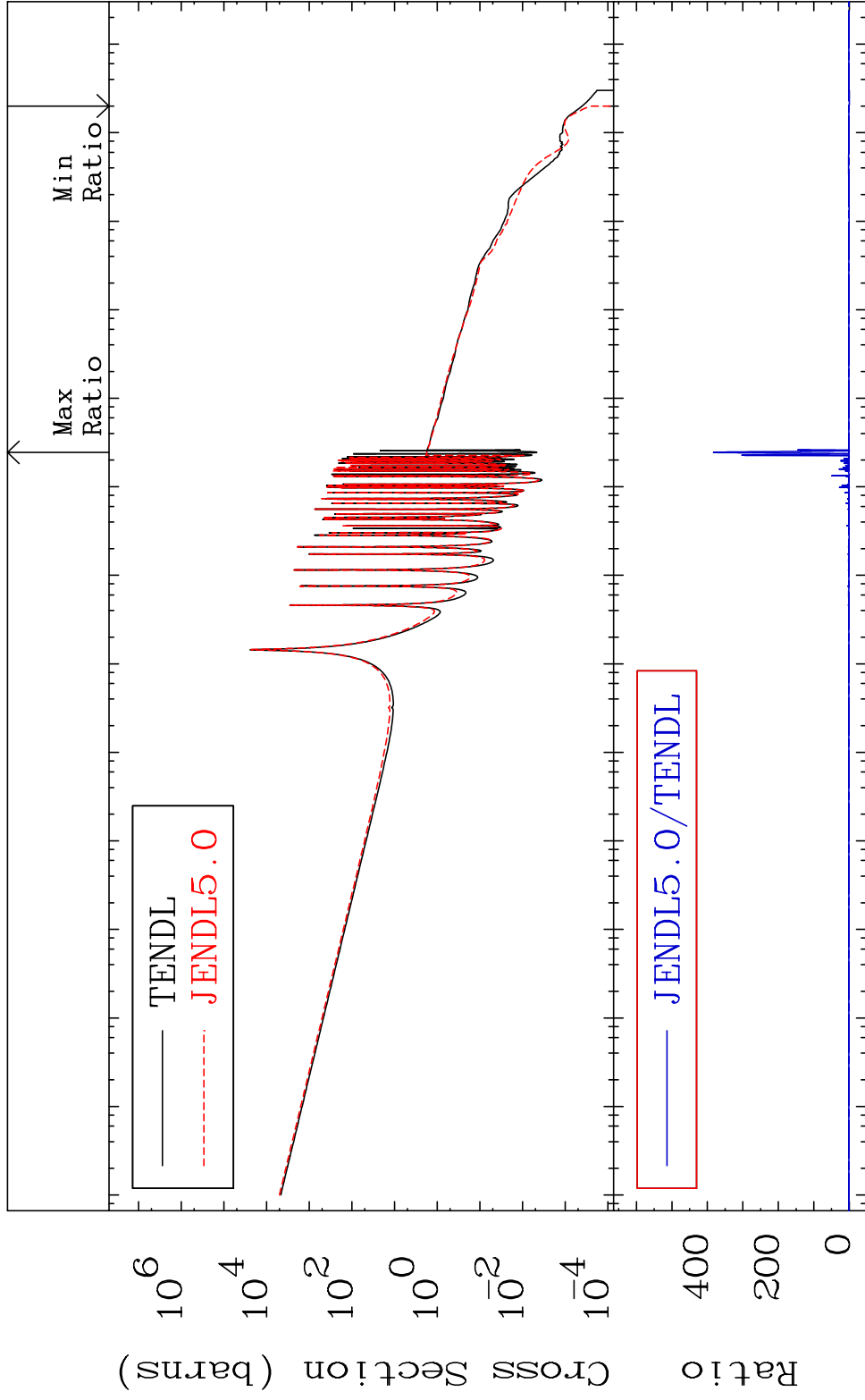


MAT 5446

(n, γ)

54-Xe-131

Cross Section -100.0 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

20

Incident Energy (eV)

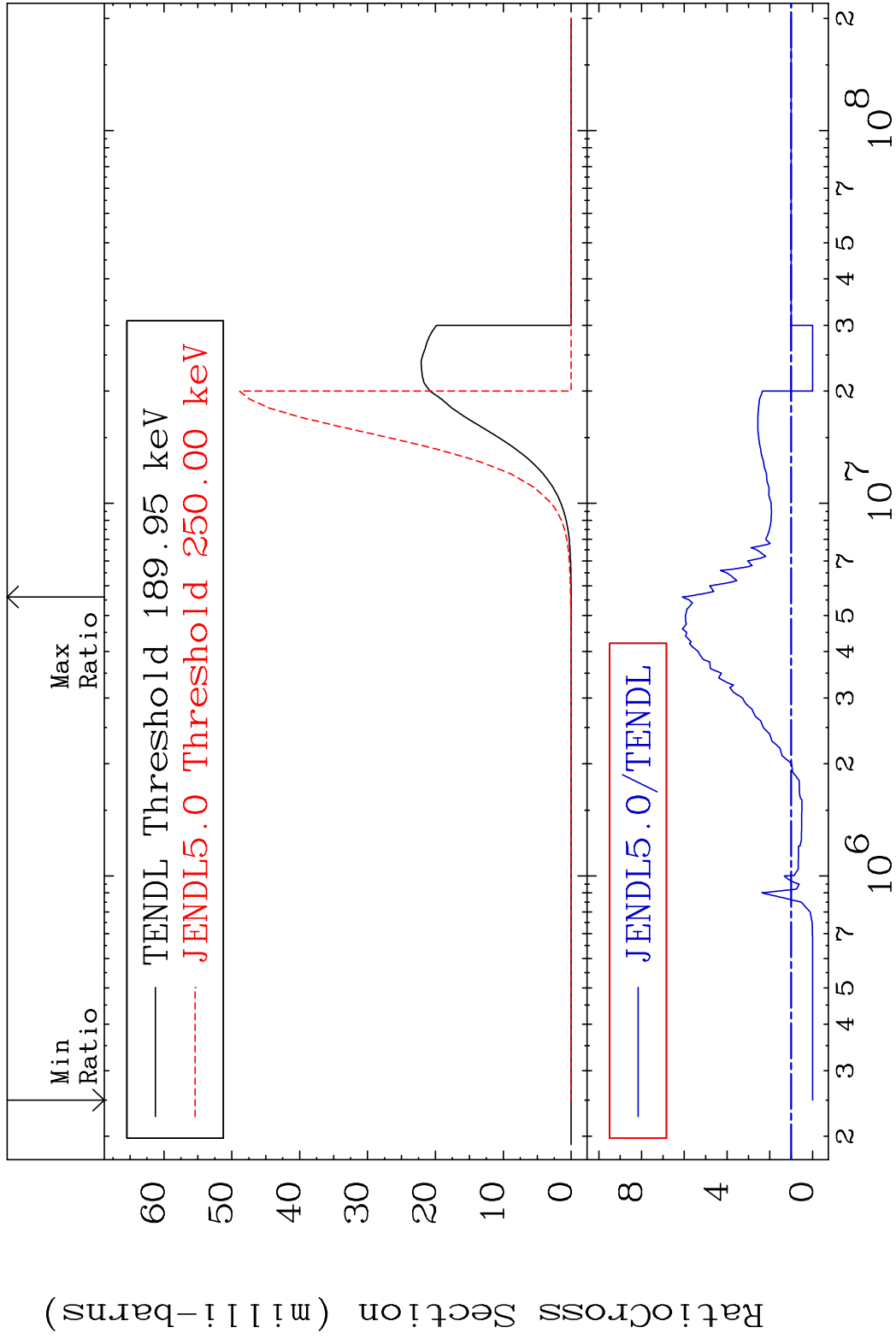
54-Xe-131

MAT 5446

(n, p)

54-Xe-131

Cross Section -100.0 To 509.2 %



21

Incident Energy (eV)

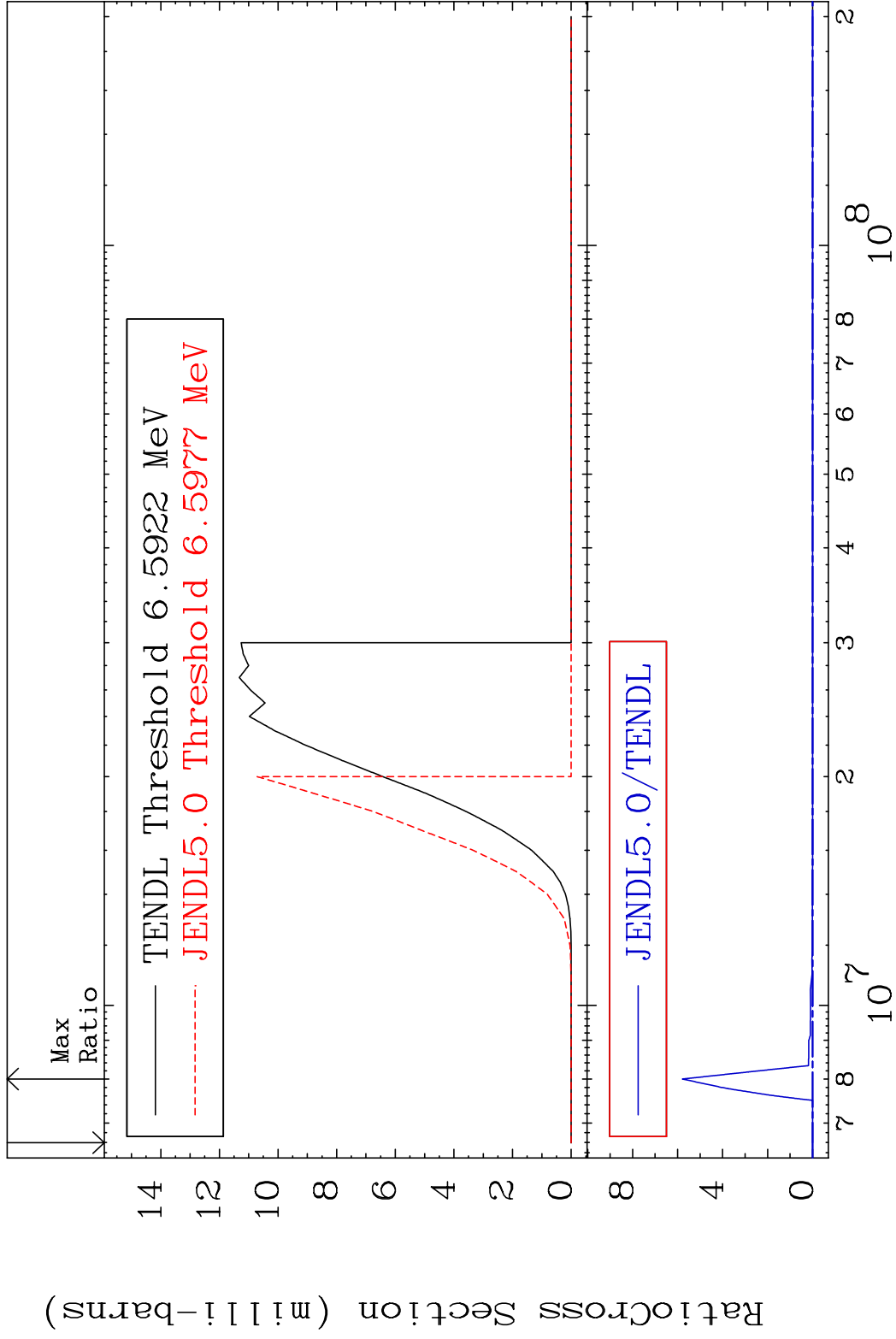
54-Xe-131

MAT 5446

(n,d)

54-Xe-131

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

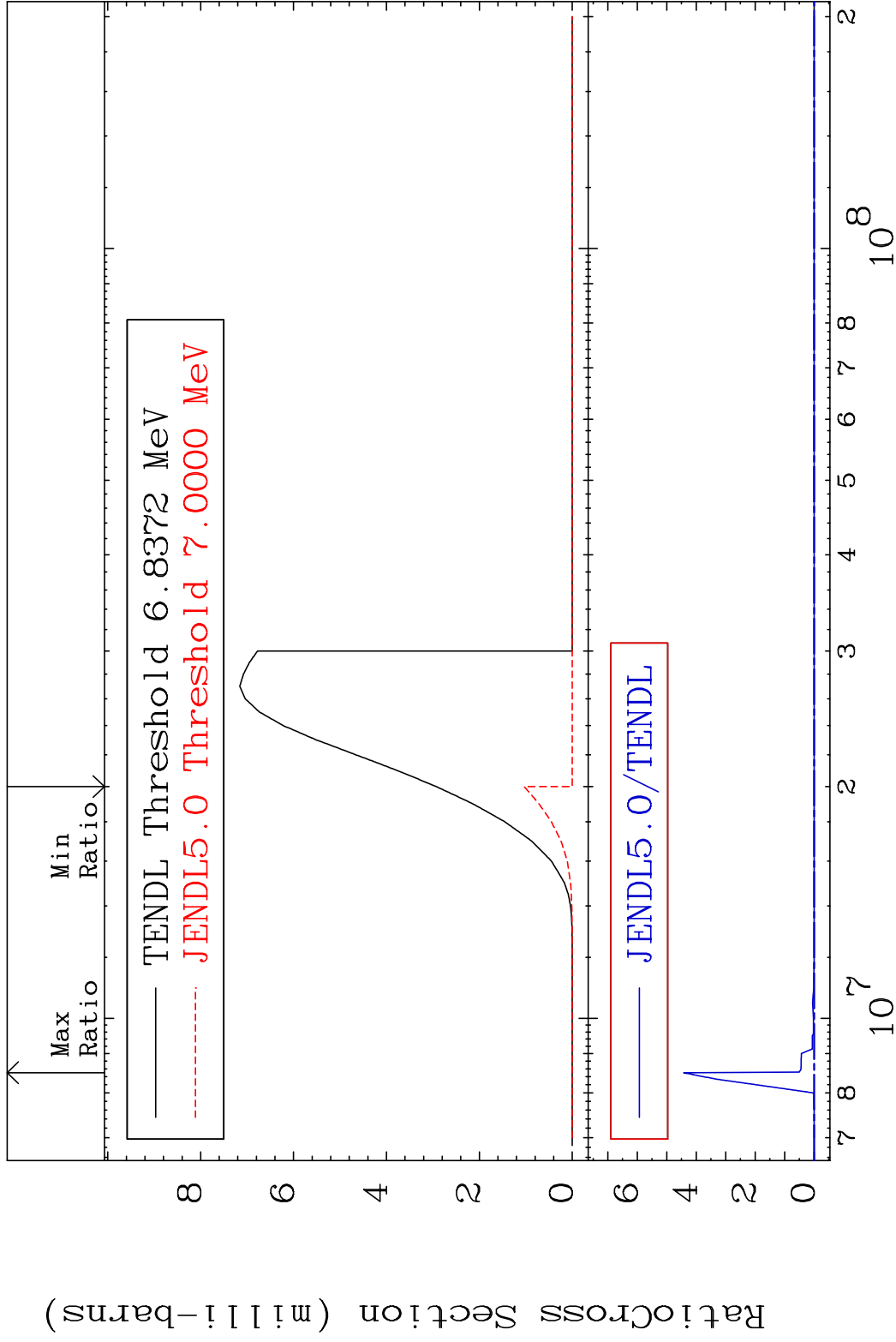
54-Xe-131

MAT 5446

(n, t)

54-Xe-131

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

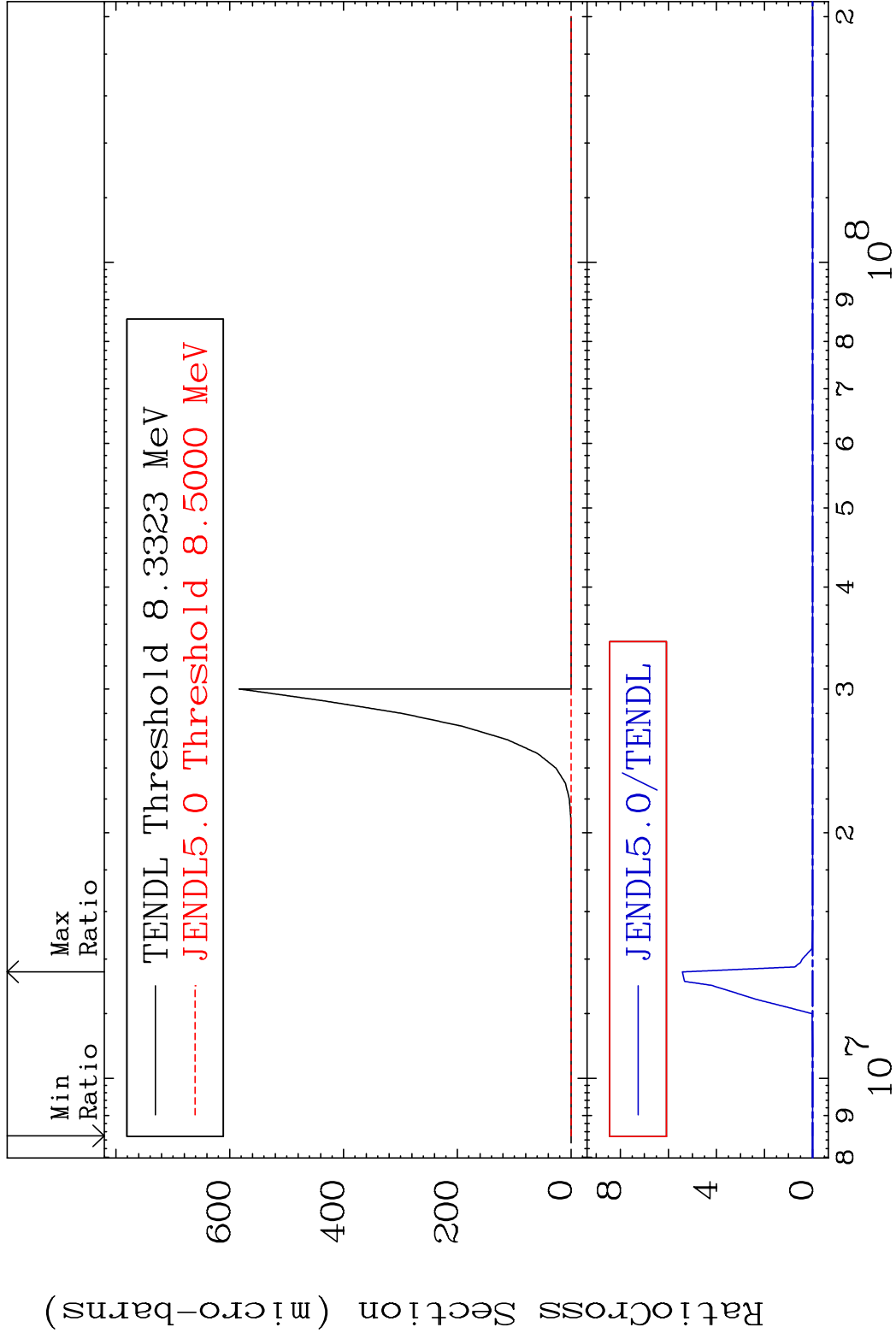
54-Xe-131

MAT 5446

(n, He-3)

54-Xe-131

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

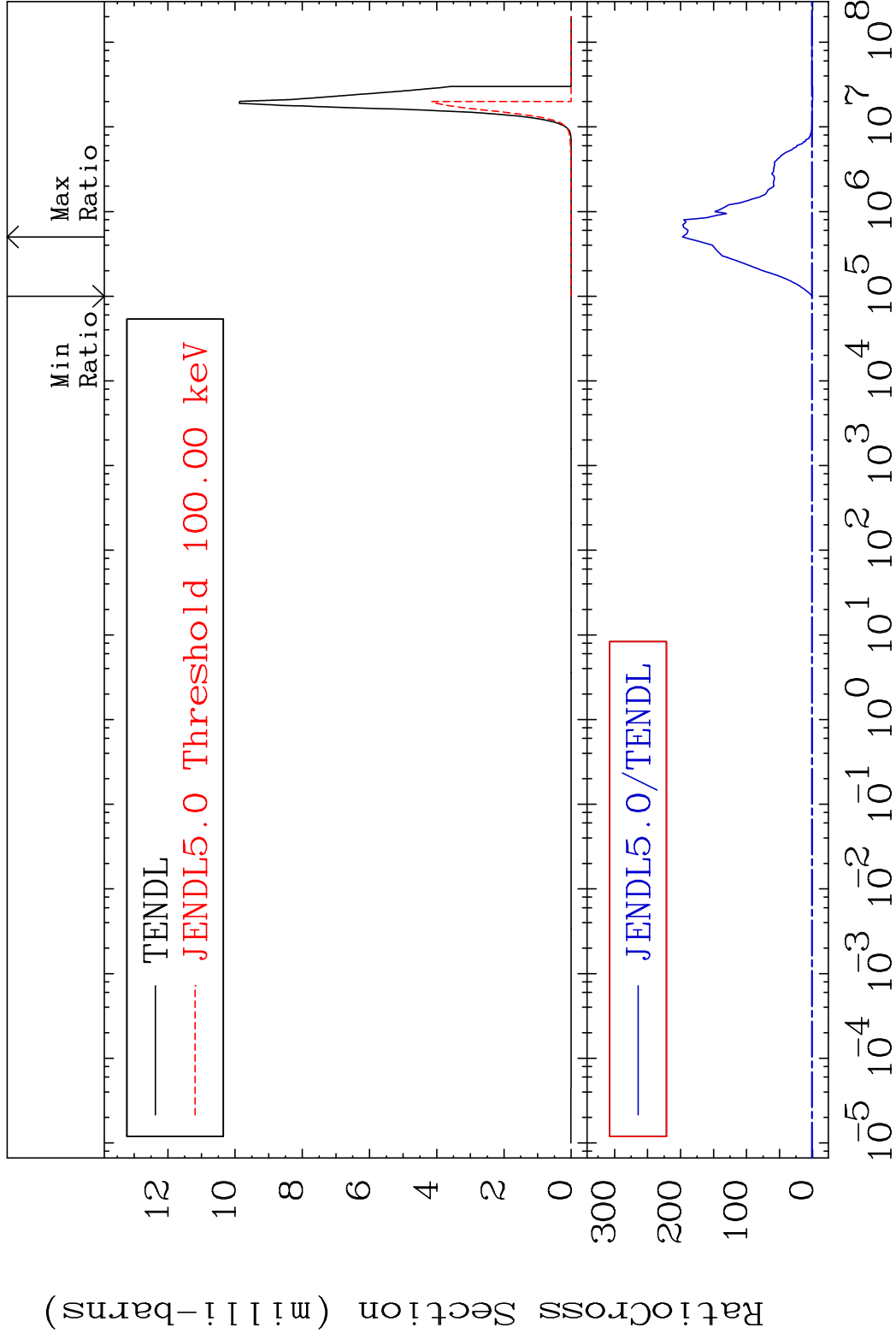
54-Xe-131

MAT 5446

(n, α)

54-Xe-131

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

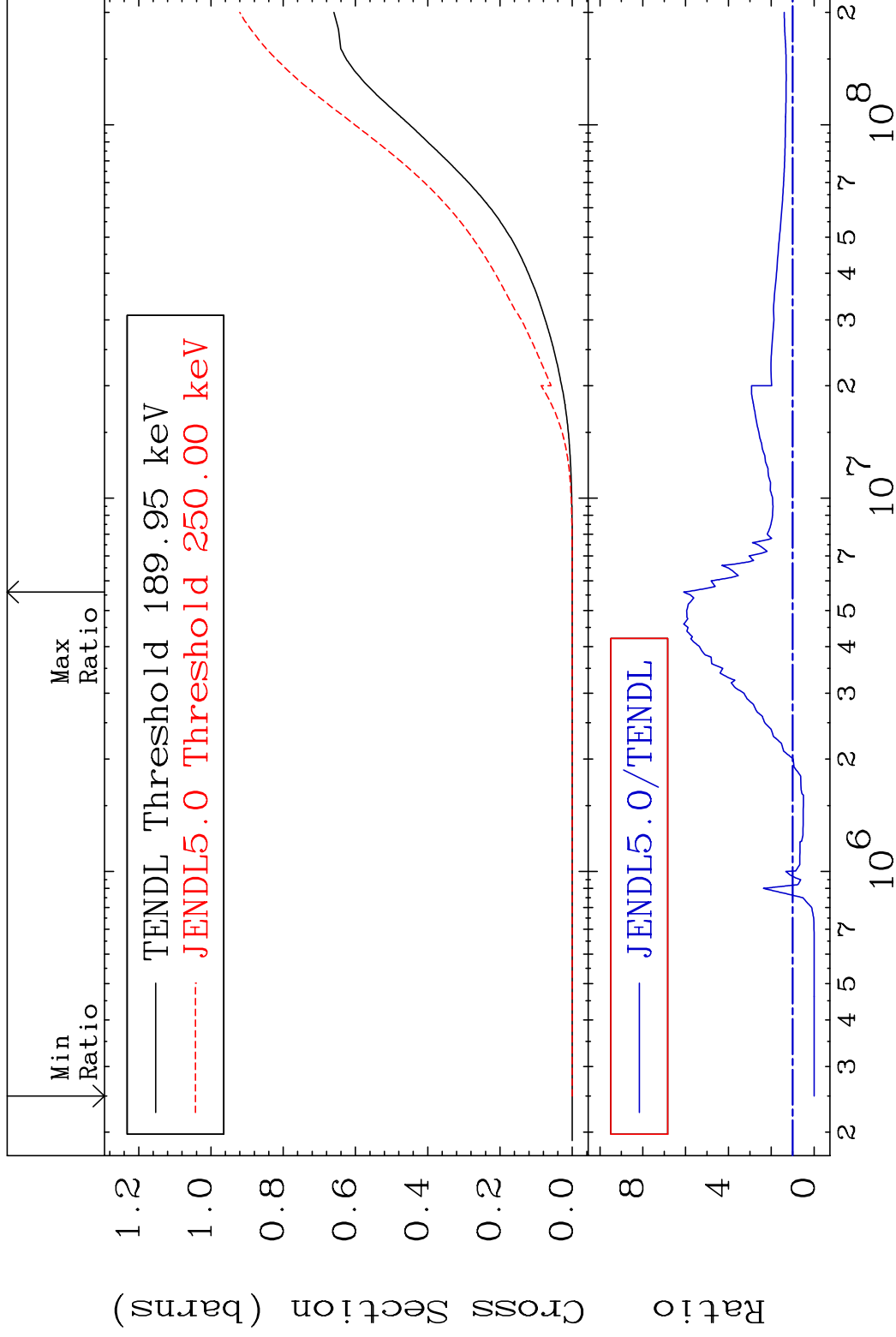
54-Xe-131

MAT 5446

Hydrogen Production

54-Xe-131

Cross Section -100.0 To 509.2 %



26

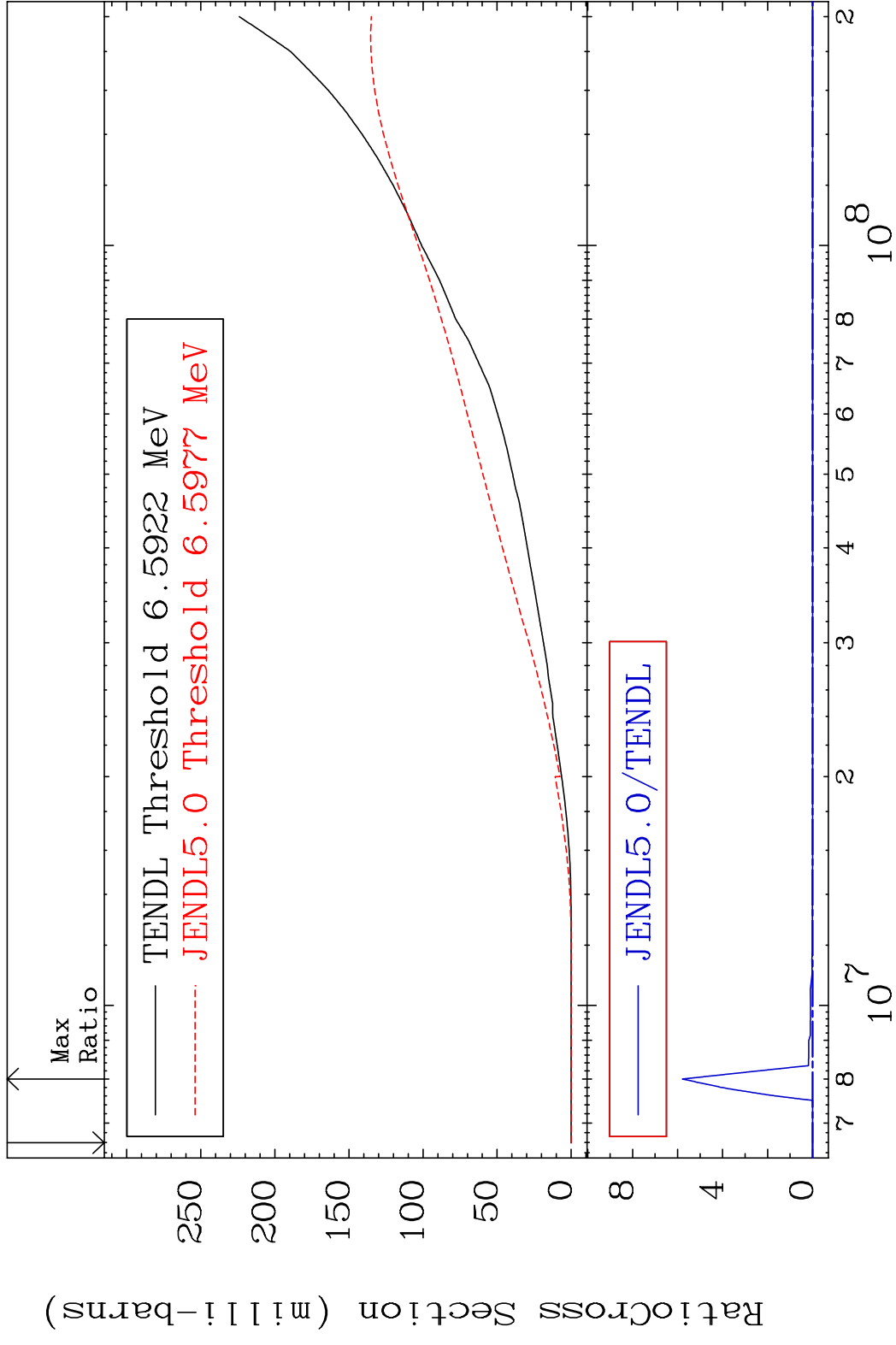
Incident Energy (eV)

54-Xe-131

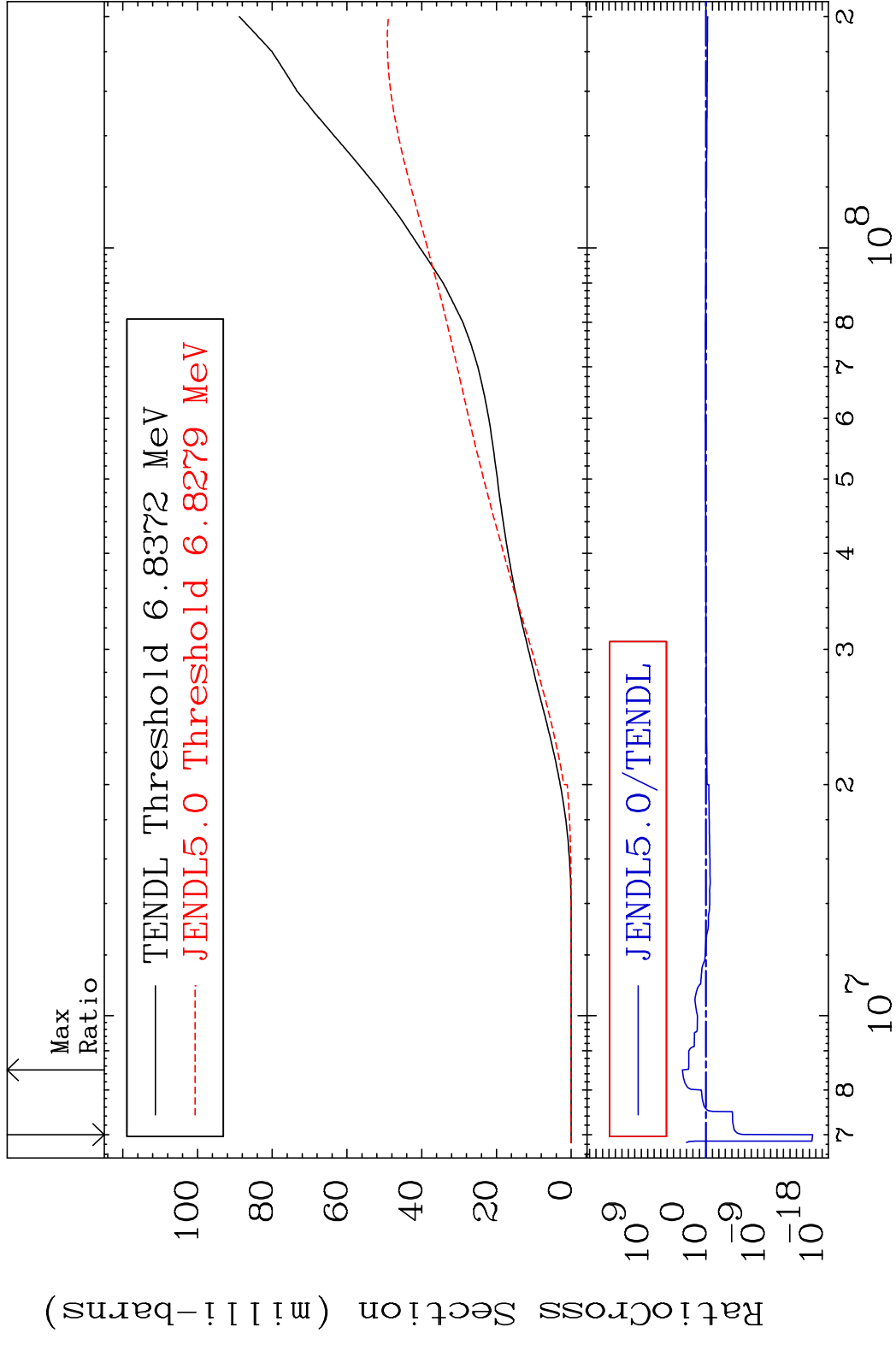
MAT 5446

Deuterium Production 54-Xe-131

Cross Section -100.0 To 9999. %



MAT 5446 Tritium Production 54-Xe-131
 Cross Section -100.0 To 9999. %

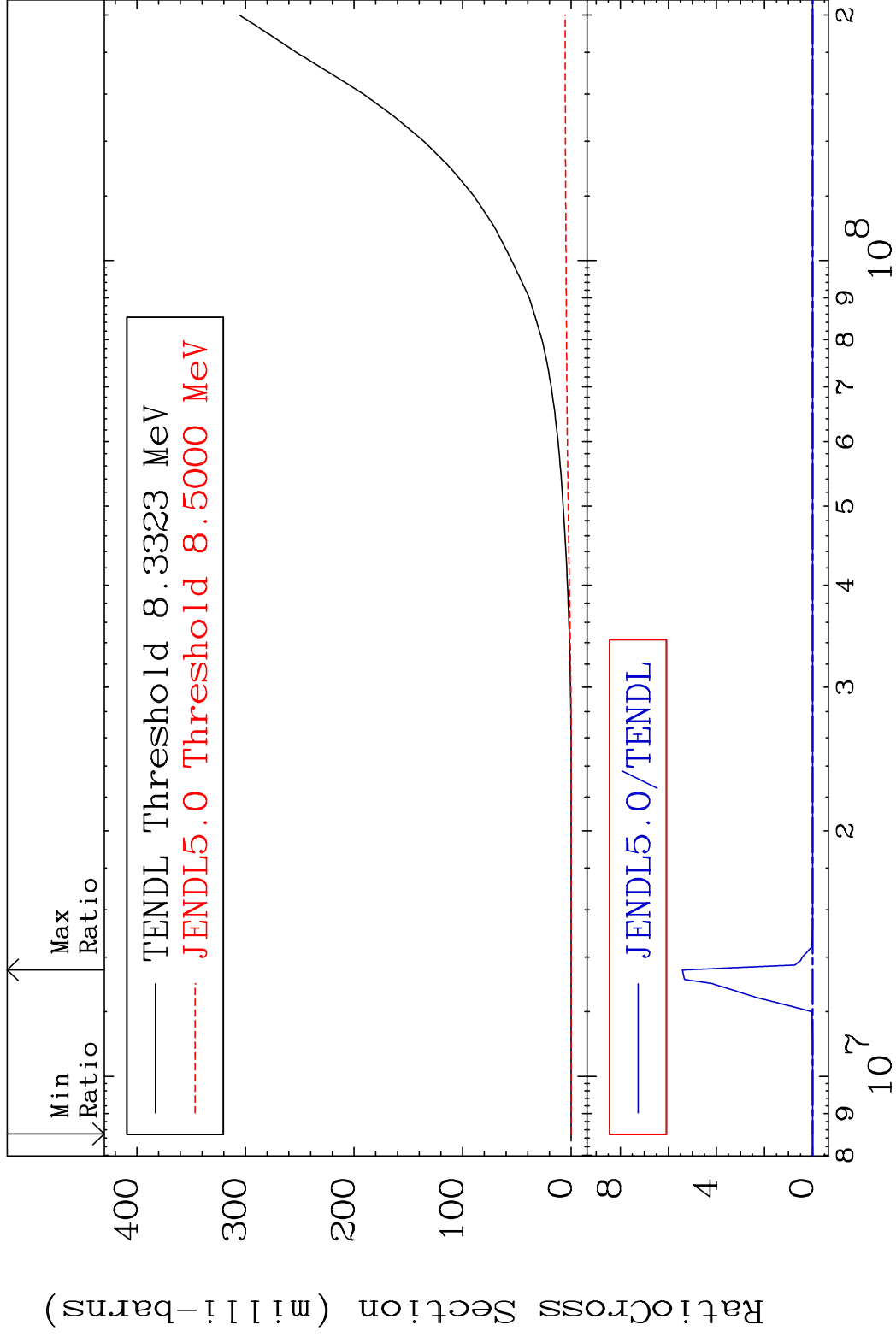


MAT 5446

He-3 Production

54-Xe-131

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

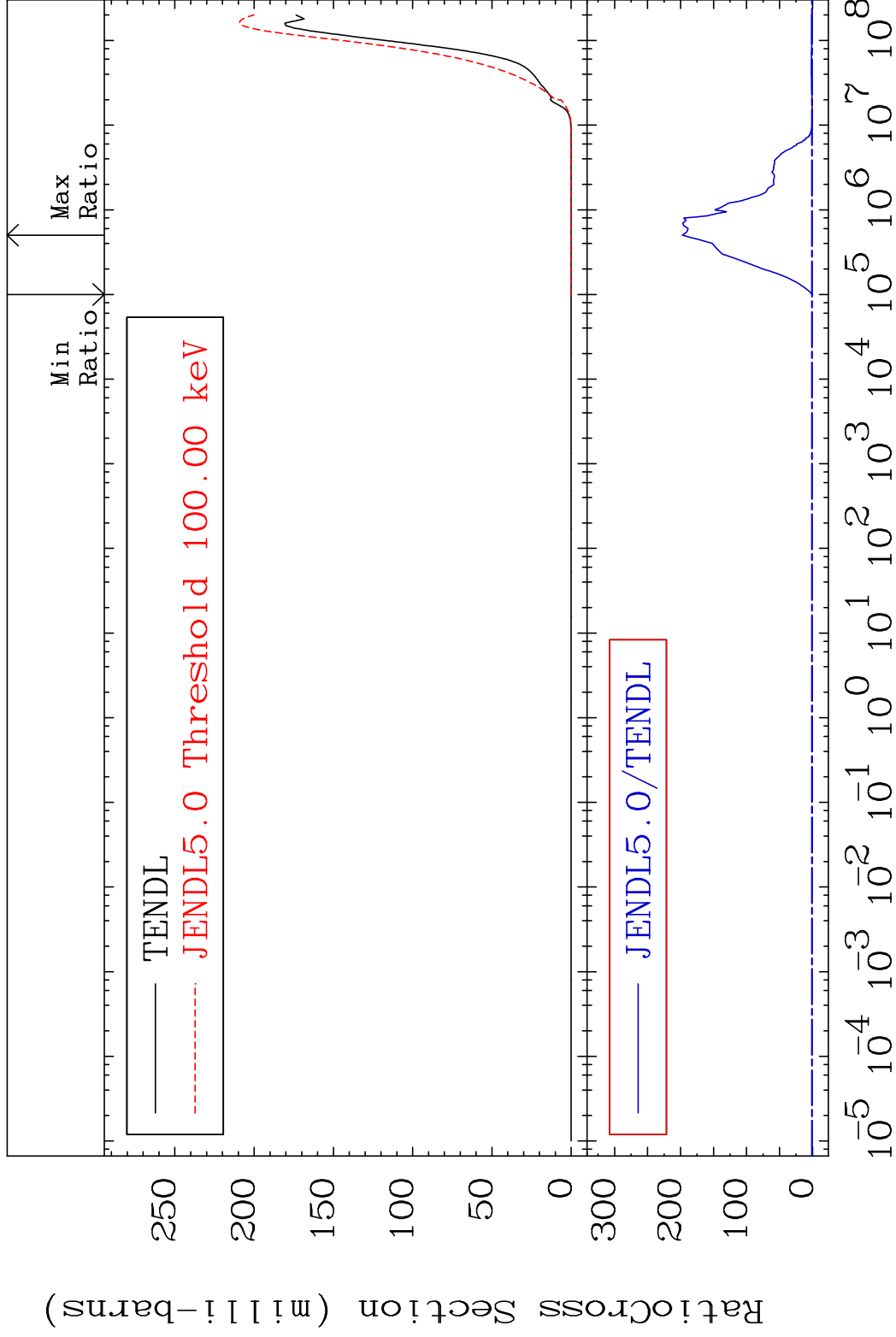
54-Xe-131

MAT 5446

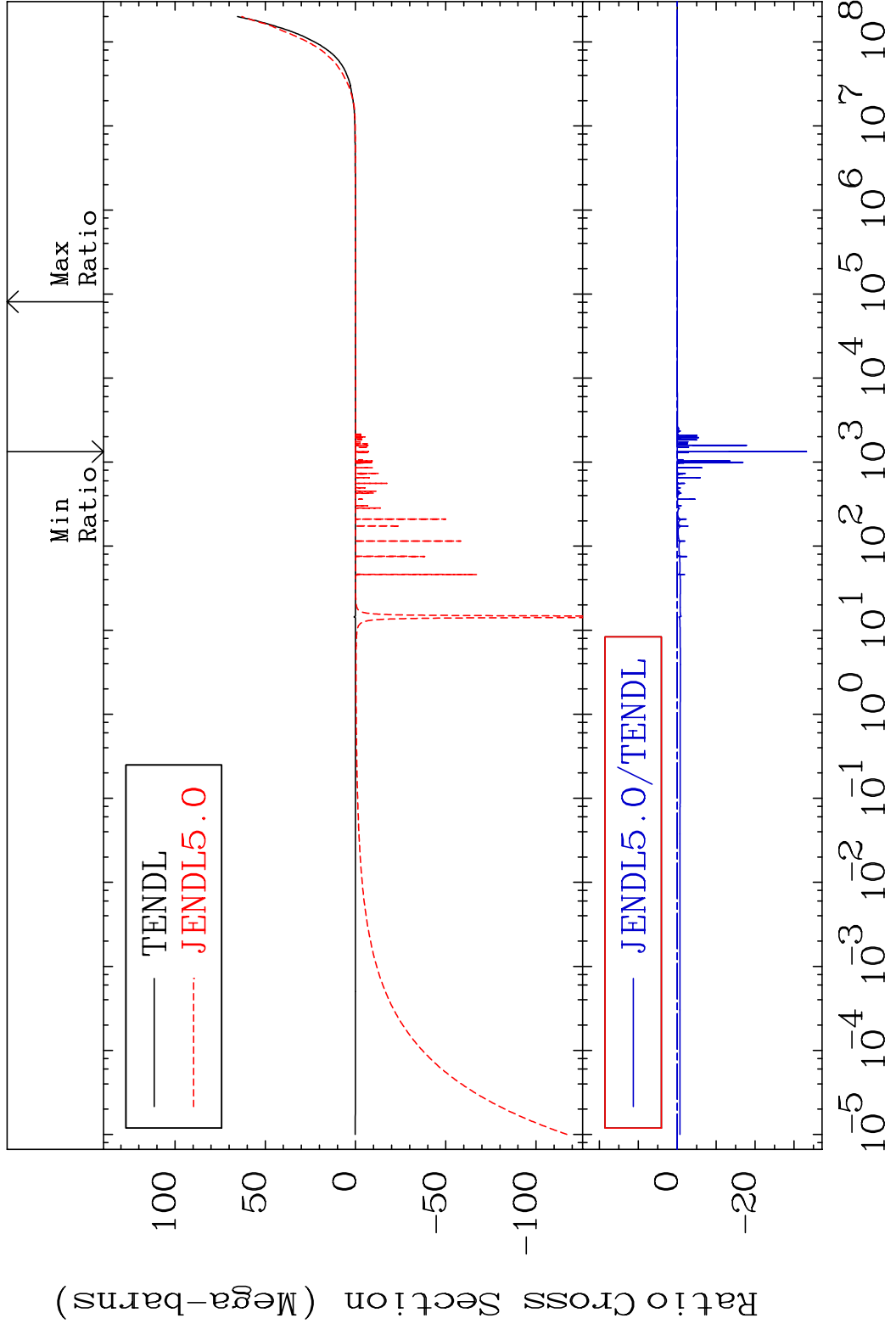
He-4 Production

54-Xe-131

Cross Section -100.0 To 9999. %



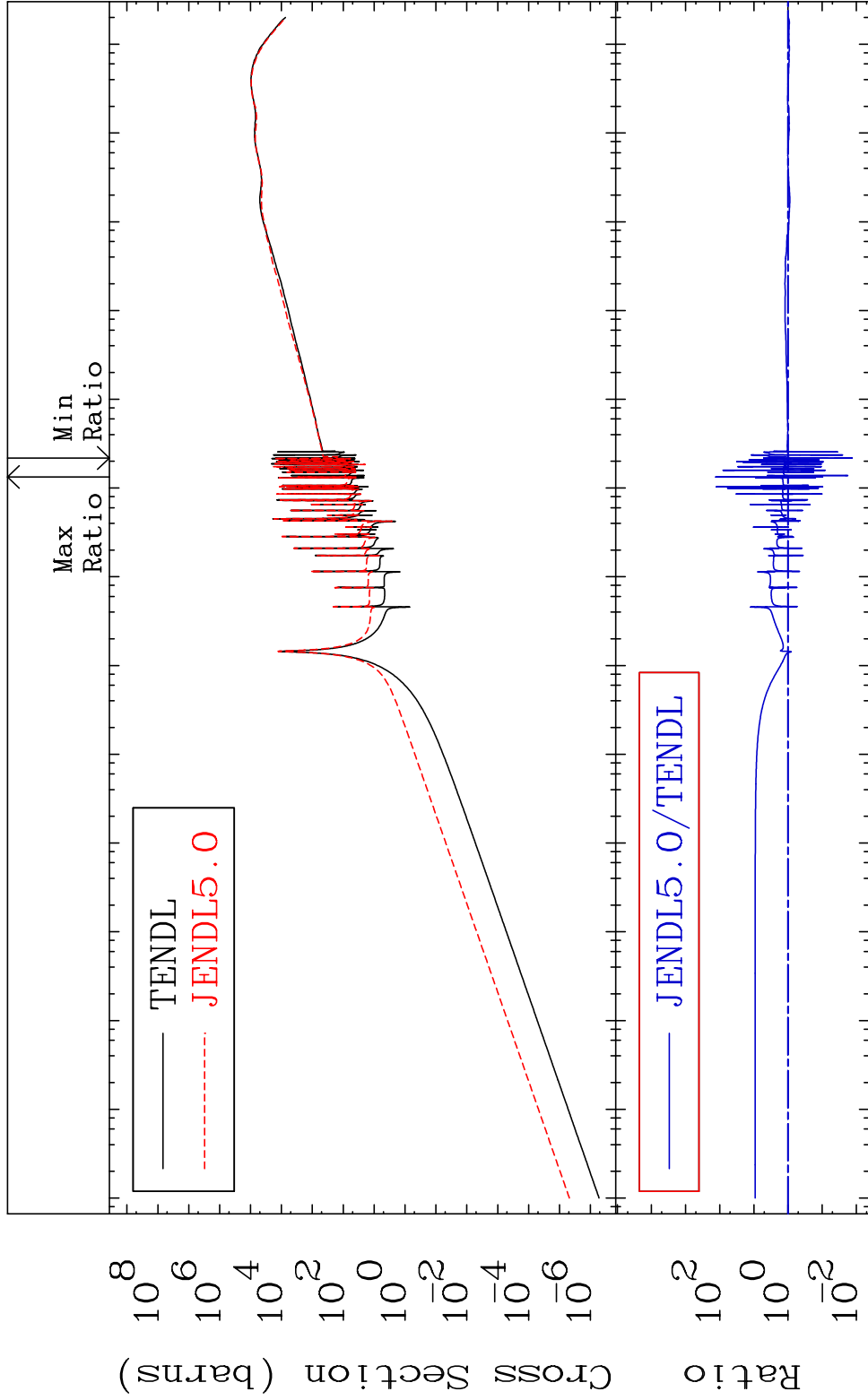
MAT 5446 Kerma total (eV-barns) 54-Xe-131
Cross Section -9999. To 1199. %



MAT 5446

Kerma elastic
Cross Section -98.68 To 9999. %

54-Xe-131

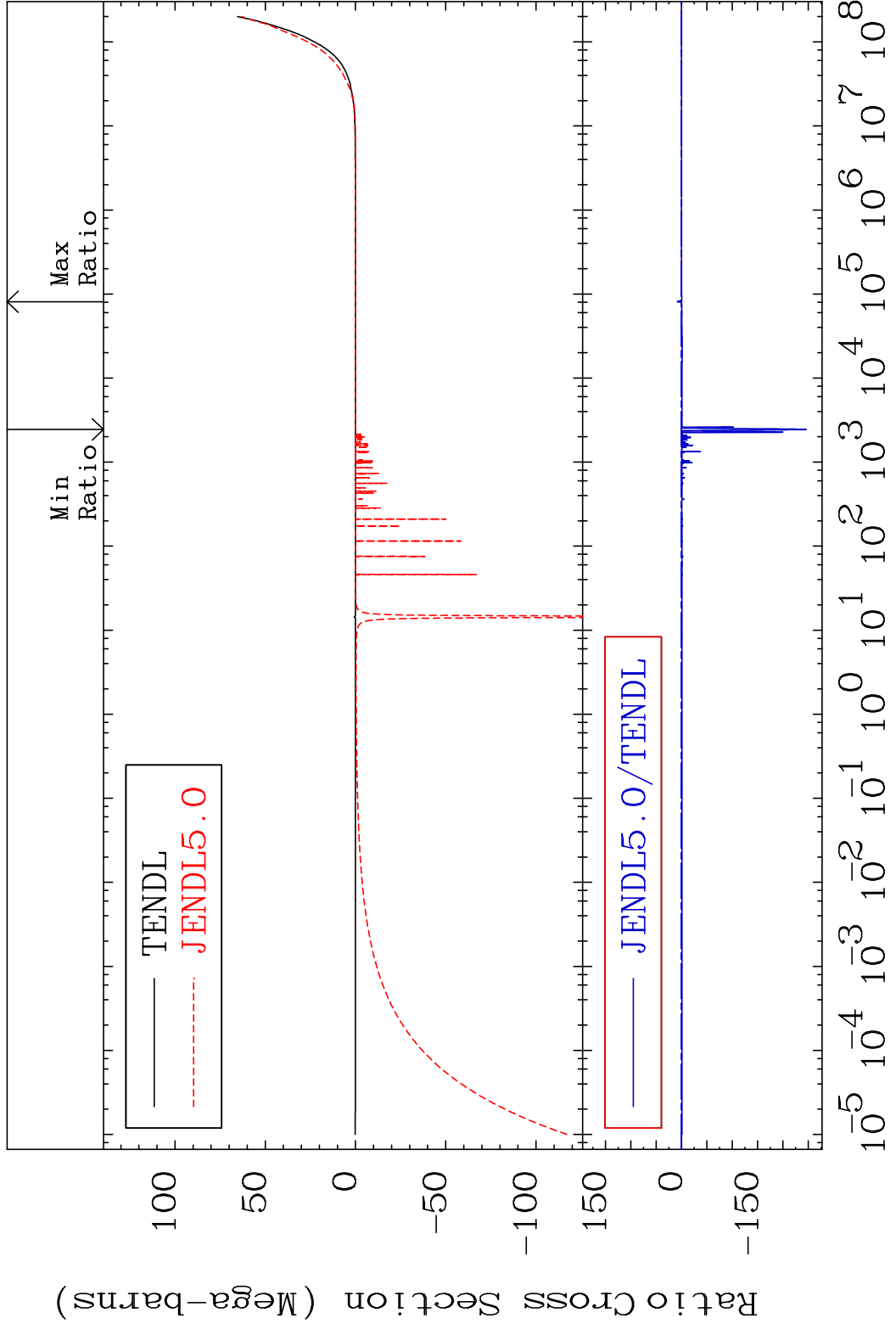


32

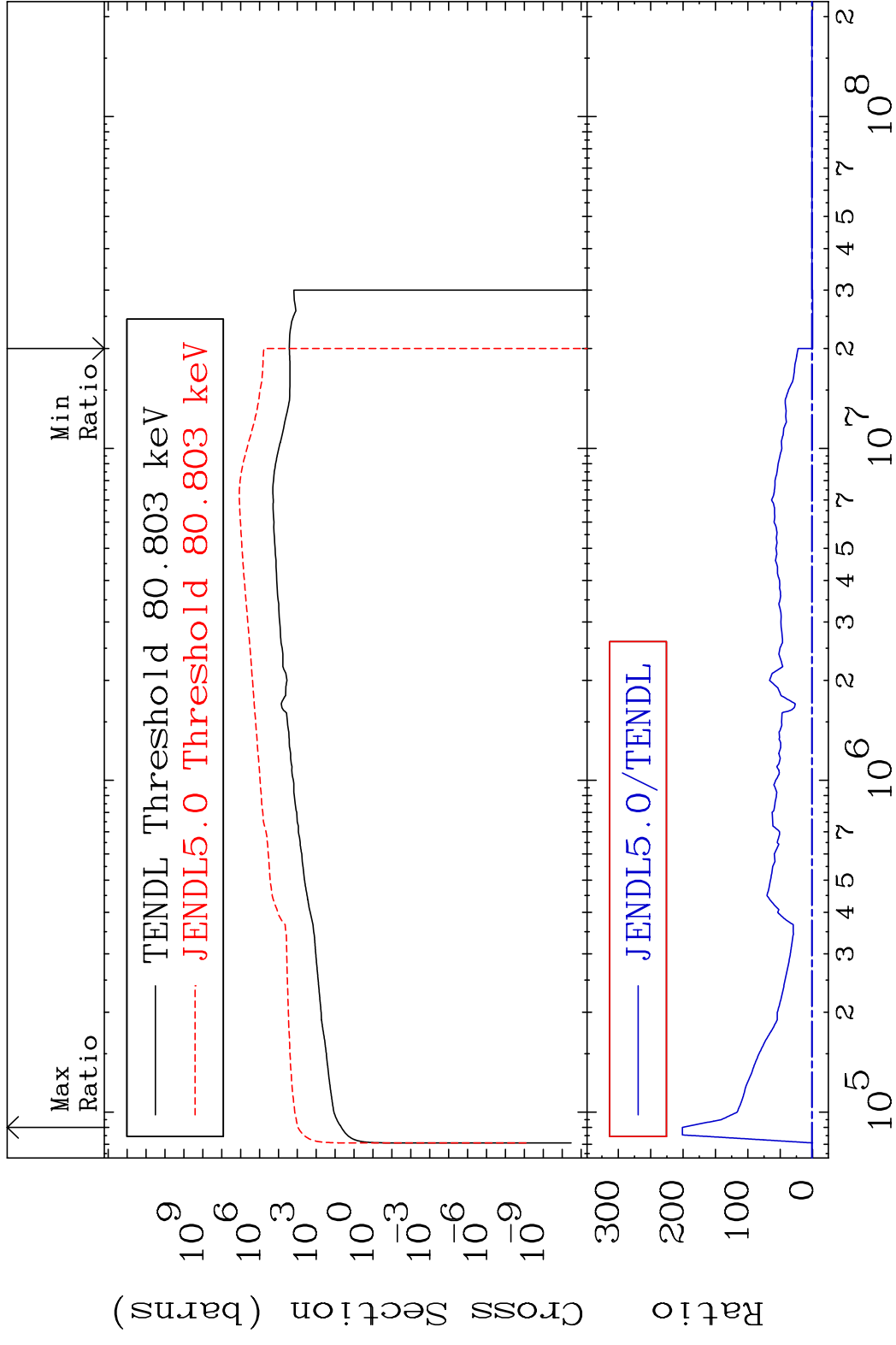
Incident Energy (eV)

54-Xe-131

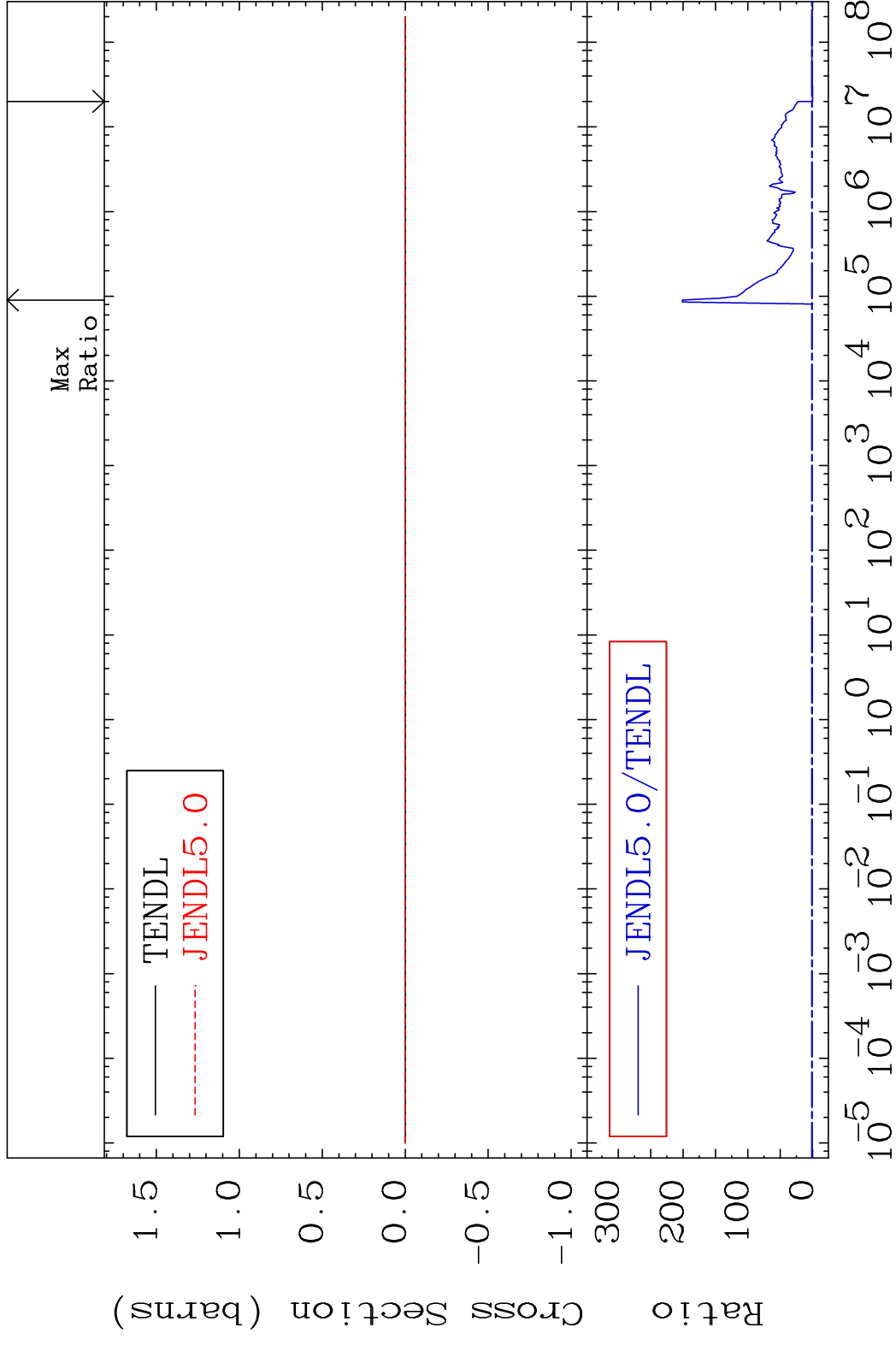
MAT 5446 Kerma non-elastic (all but mt2) 54-Xe-131
 Cross Section -9999. To 9999. %



MAT 5446 Kerma inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 9999. %



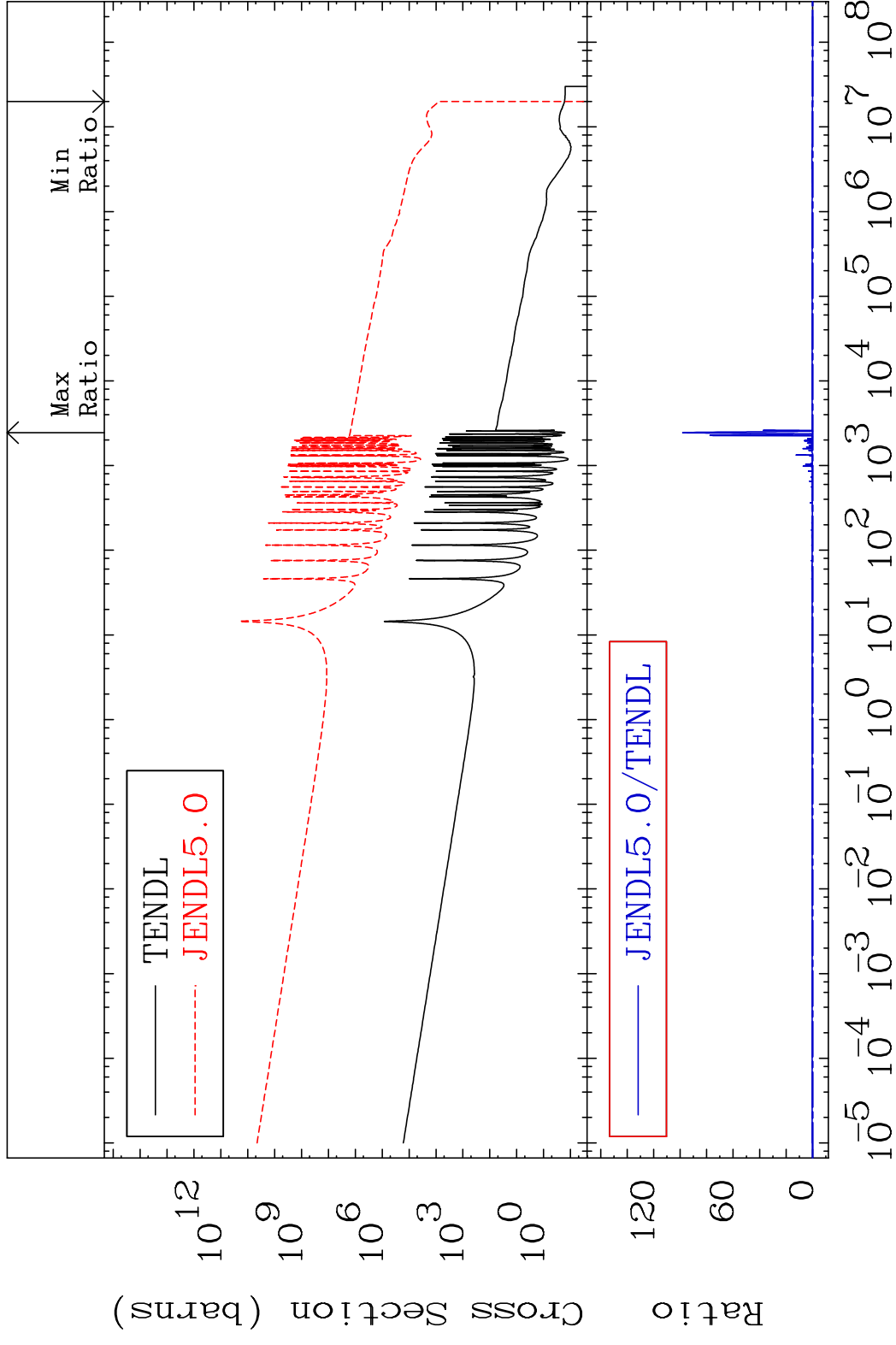
MAT 5446 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-131
 Cross Section -100.0 To 9999. %



MAT 5446

Kerma capture (mt102) 54-Xe-131

Cross Section -100.0 To 9999. %

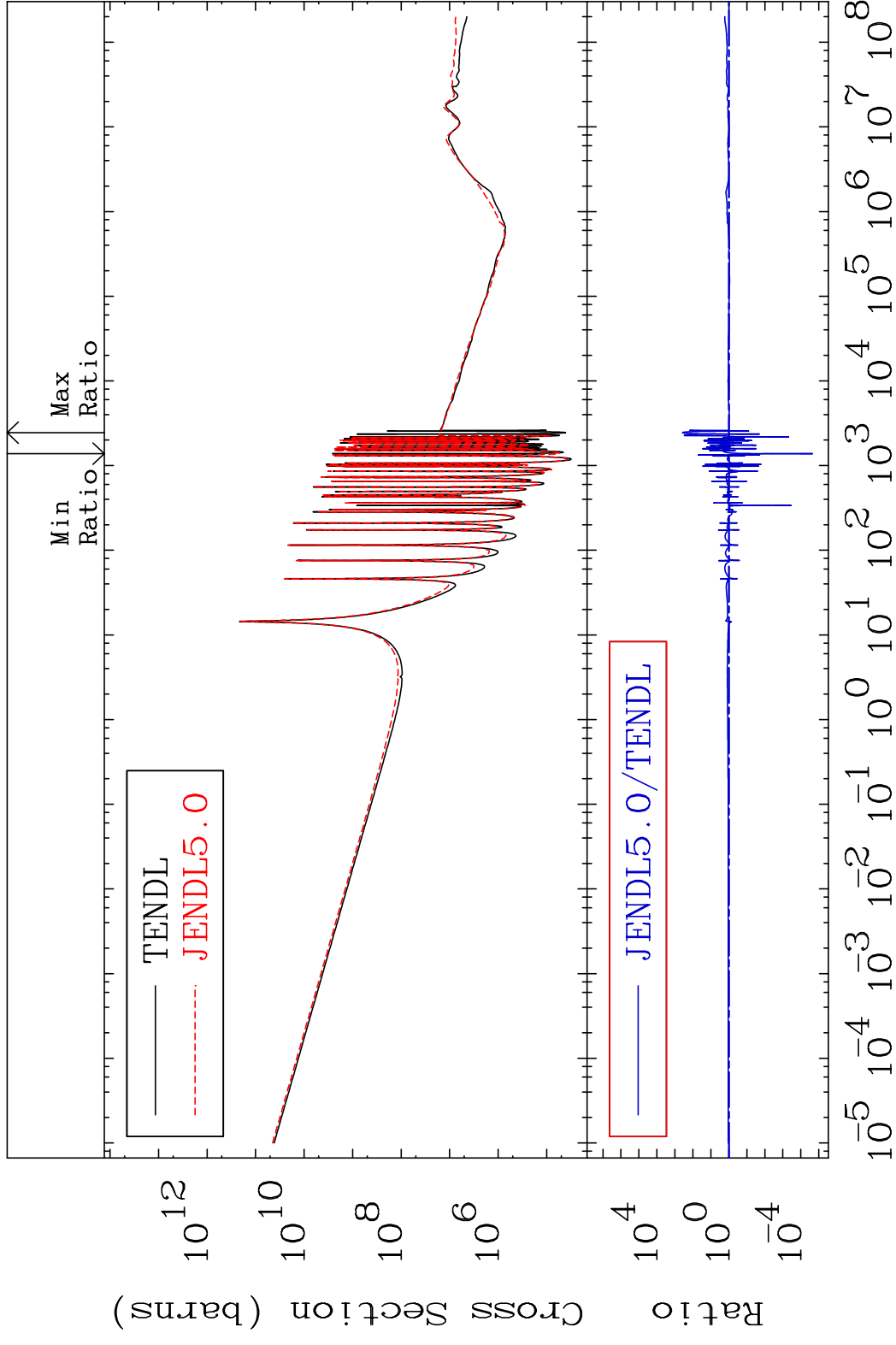


36

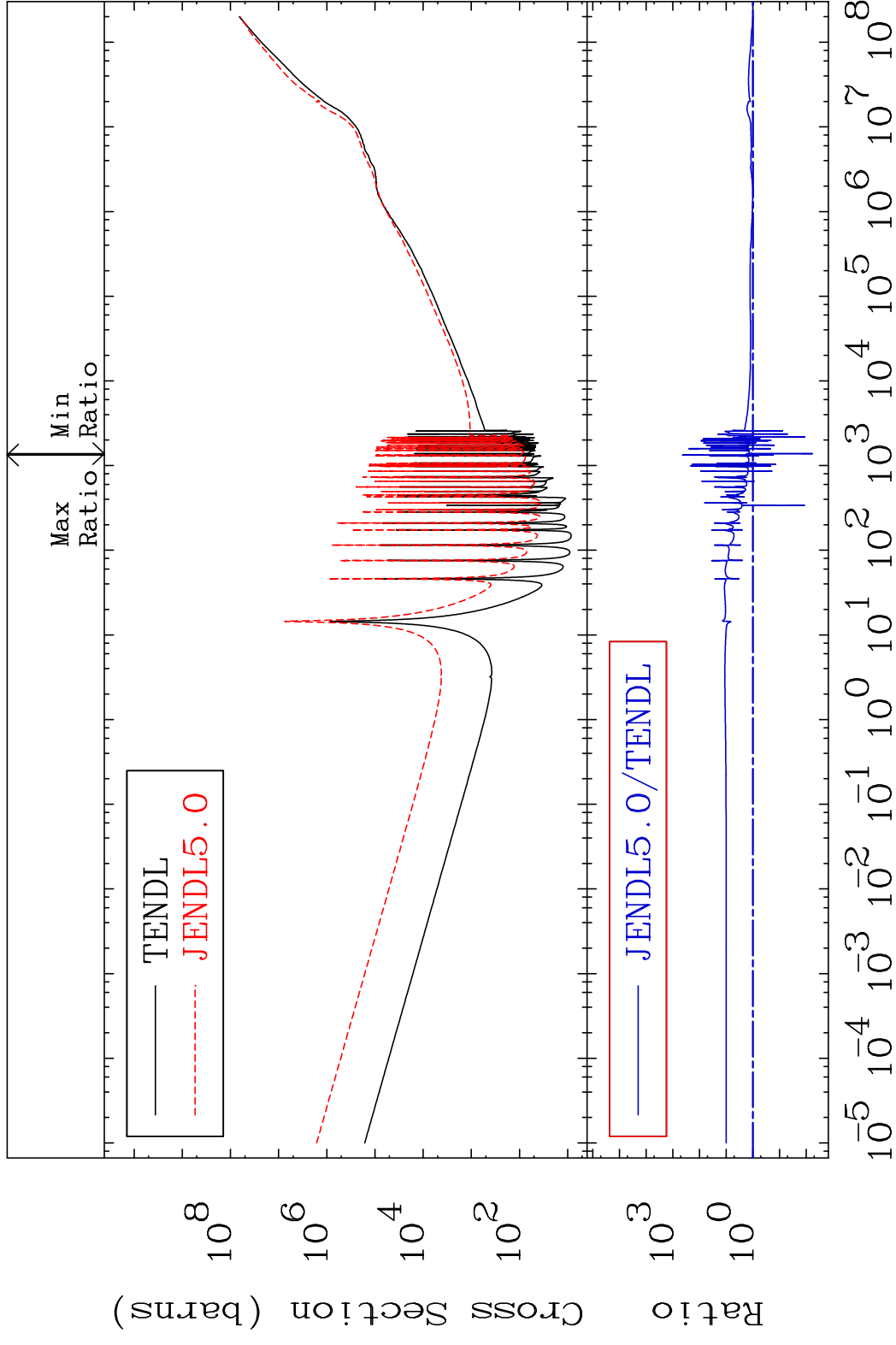
Incident Energy (eV)

54-Xe-131

MAT 5446 Total photon (eV-barns) 54-Xe-131
 Cross Section -100.0 To 9999. %

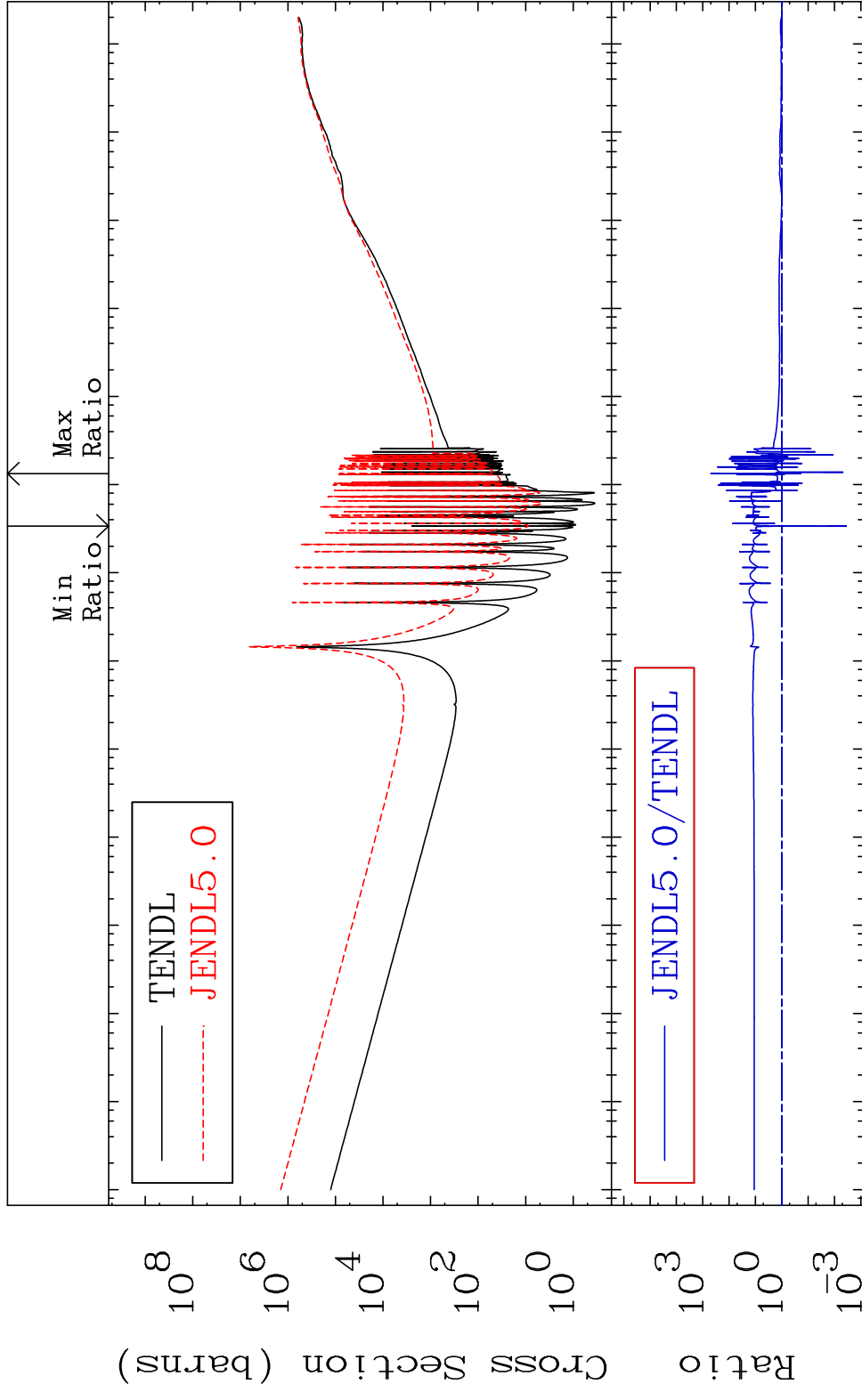


MAT 5446 Total kinematic kerma (high limit) 54-Xe-131
 Cross Section -99.42 To 9999. %



38 Incident Energy (eV) 54-Xe-131

MAT 5446 Dpa total (eV-barns) 54-Xe-131
 Cross Section -99.65 To 9999. %



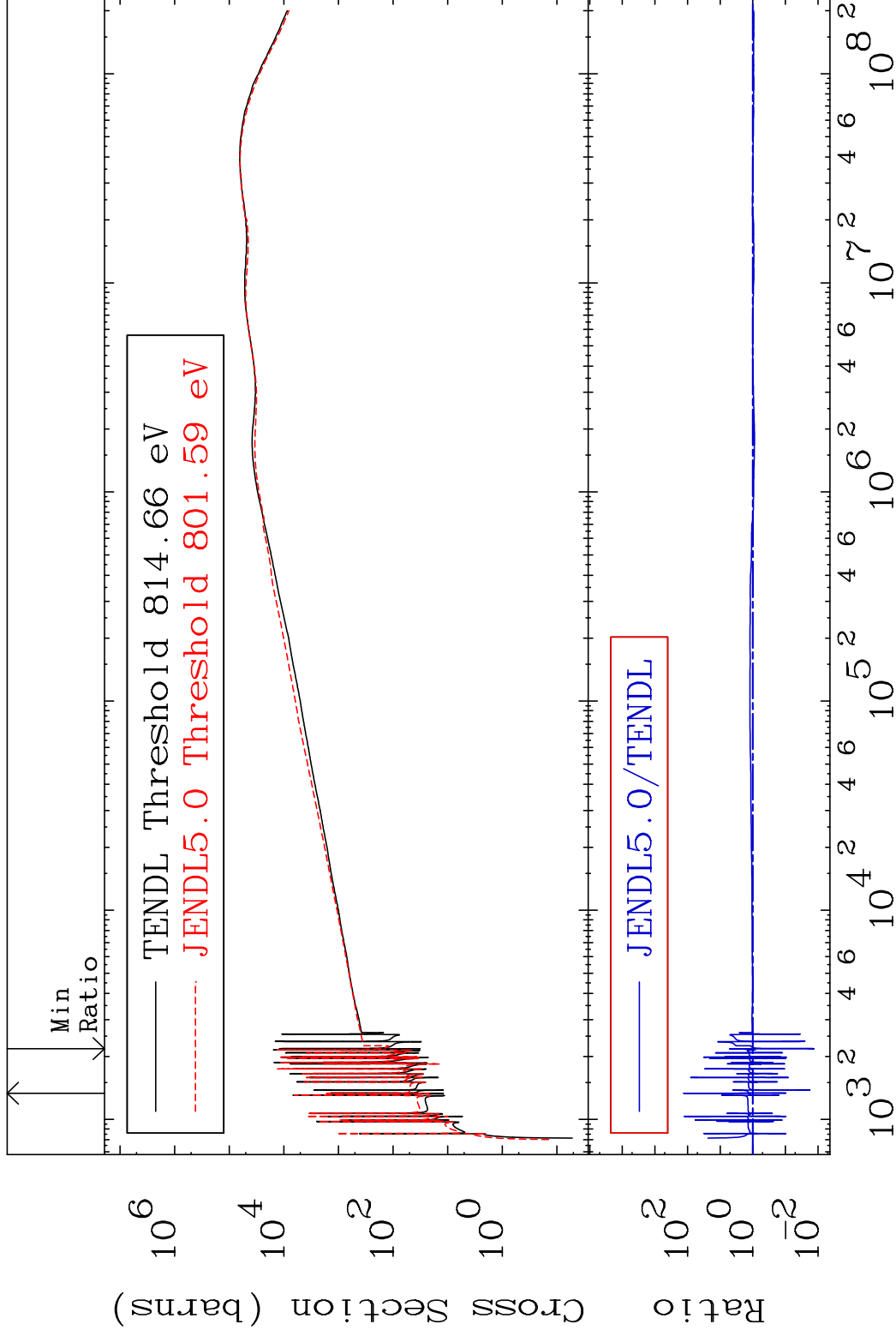
39 Incident Energy (eV) 54-Xe-131

MAT 5446

Dpa elastic (mt2)

54-Xe-131

Cross Section -98.68 To 9999. %

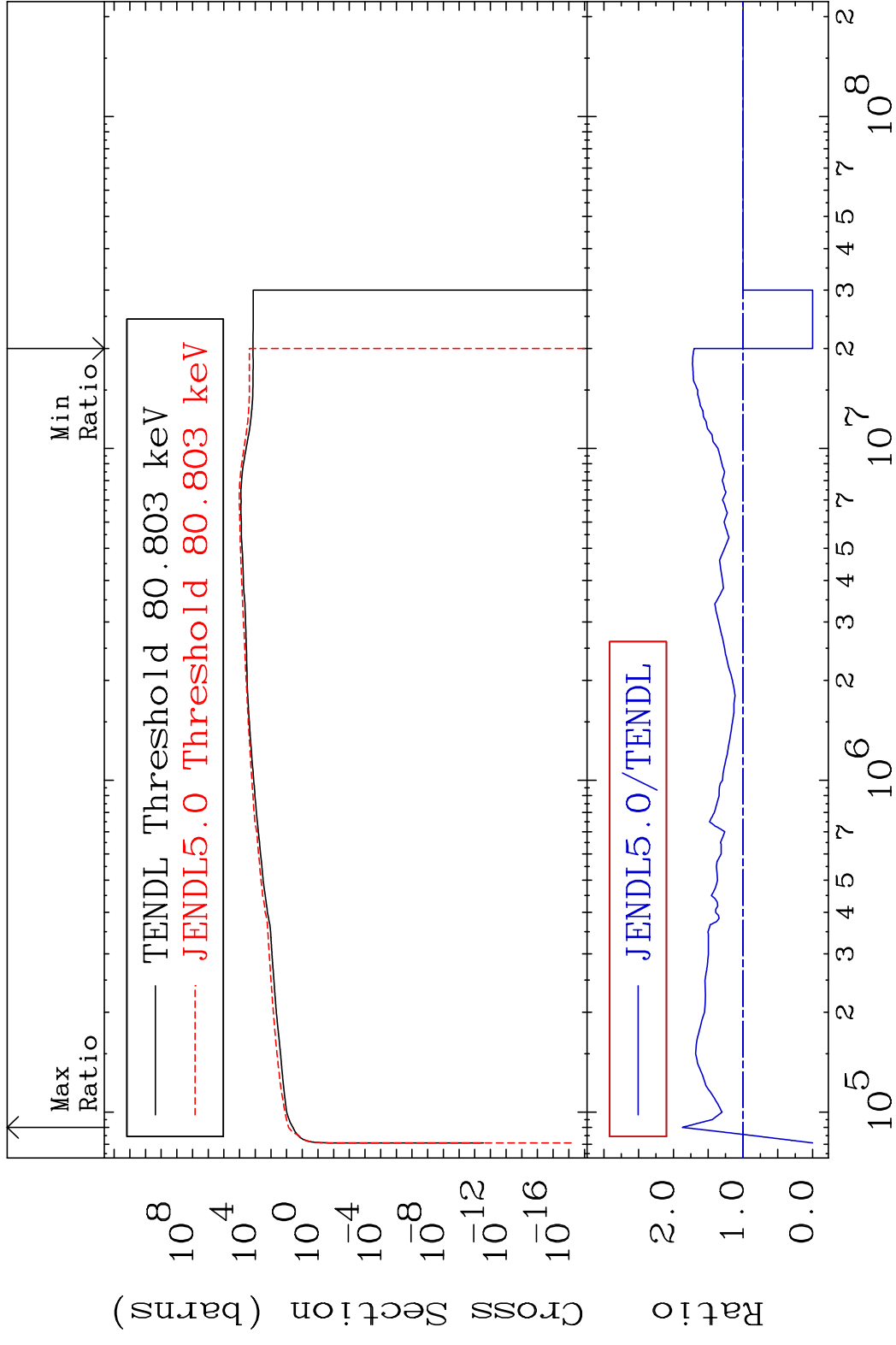


40

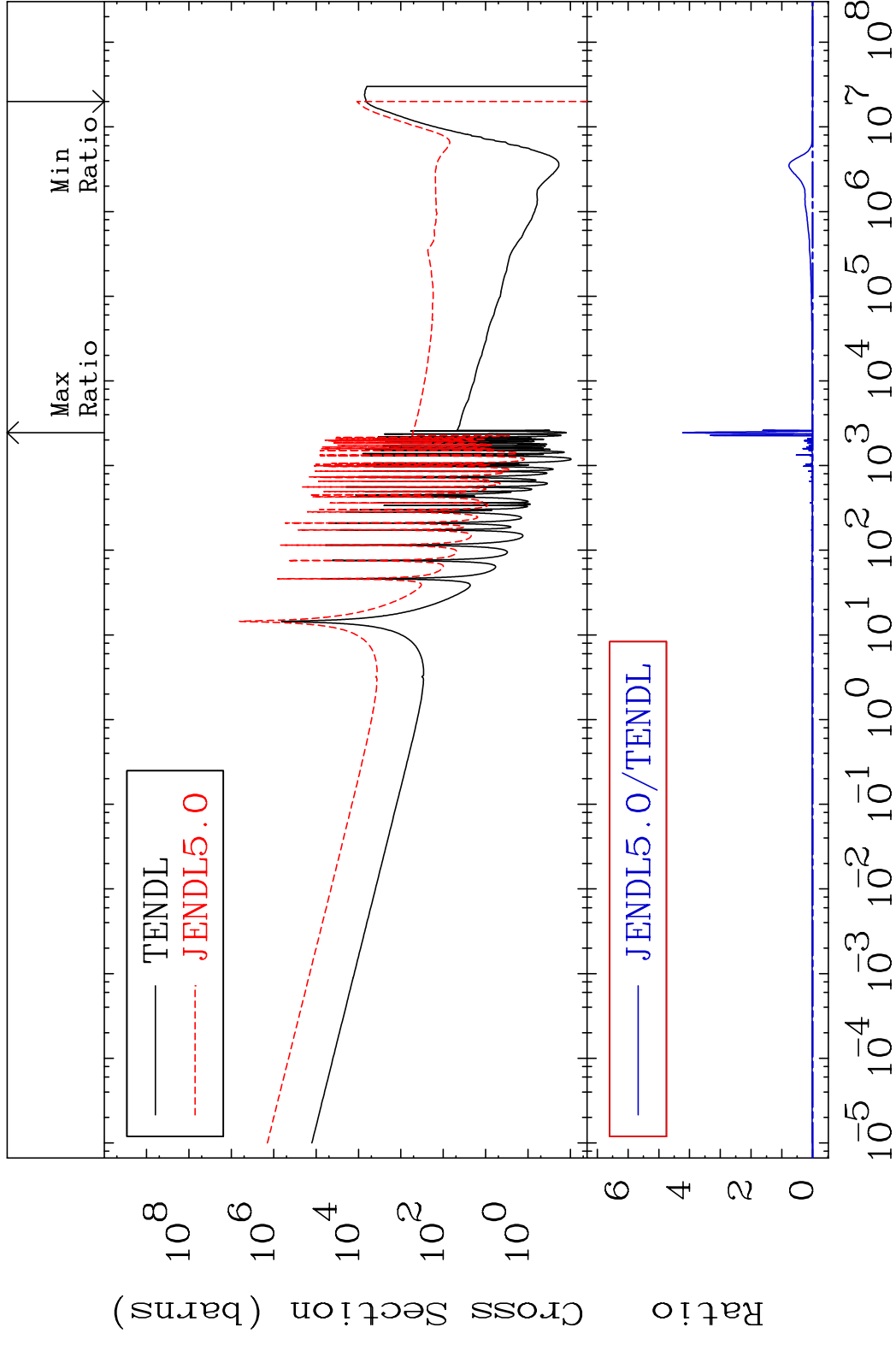
Incident Energy (eV)

54-Xe-131

MAT 5446 Dpa inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 87.14 %

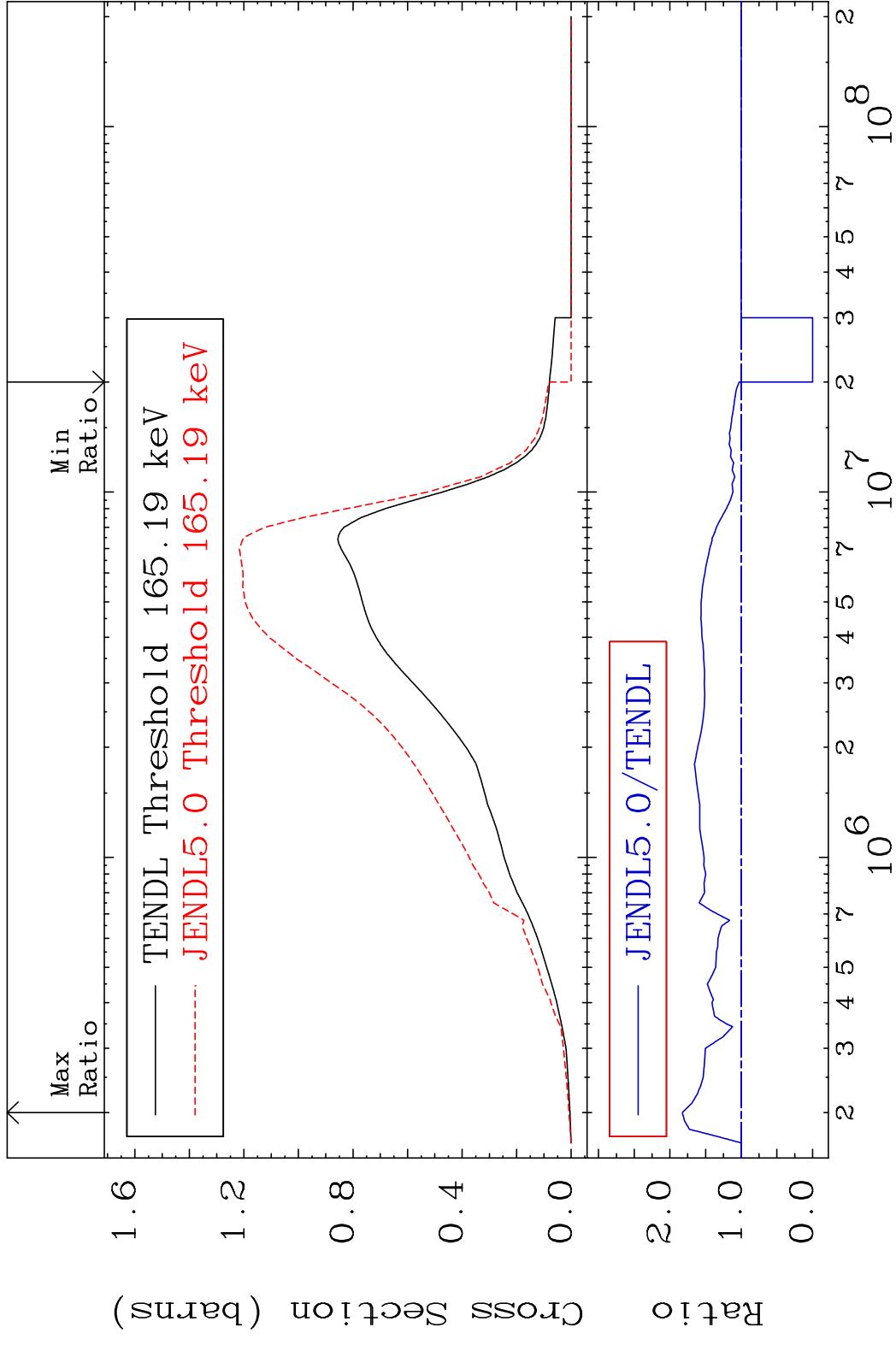


MAT 5446 Dpa disappearance (mt102 -120) 54-Xe-131
 Cross Section -100.0 To 9999. %

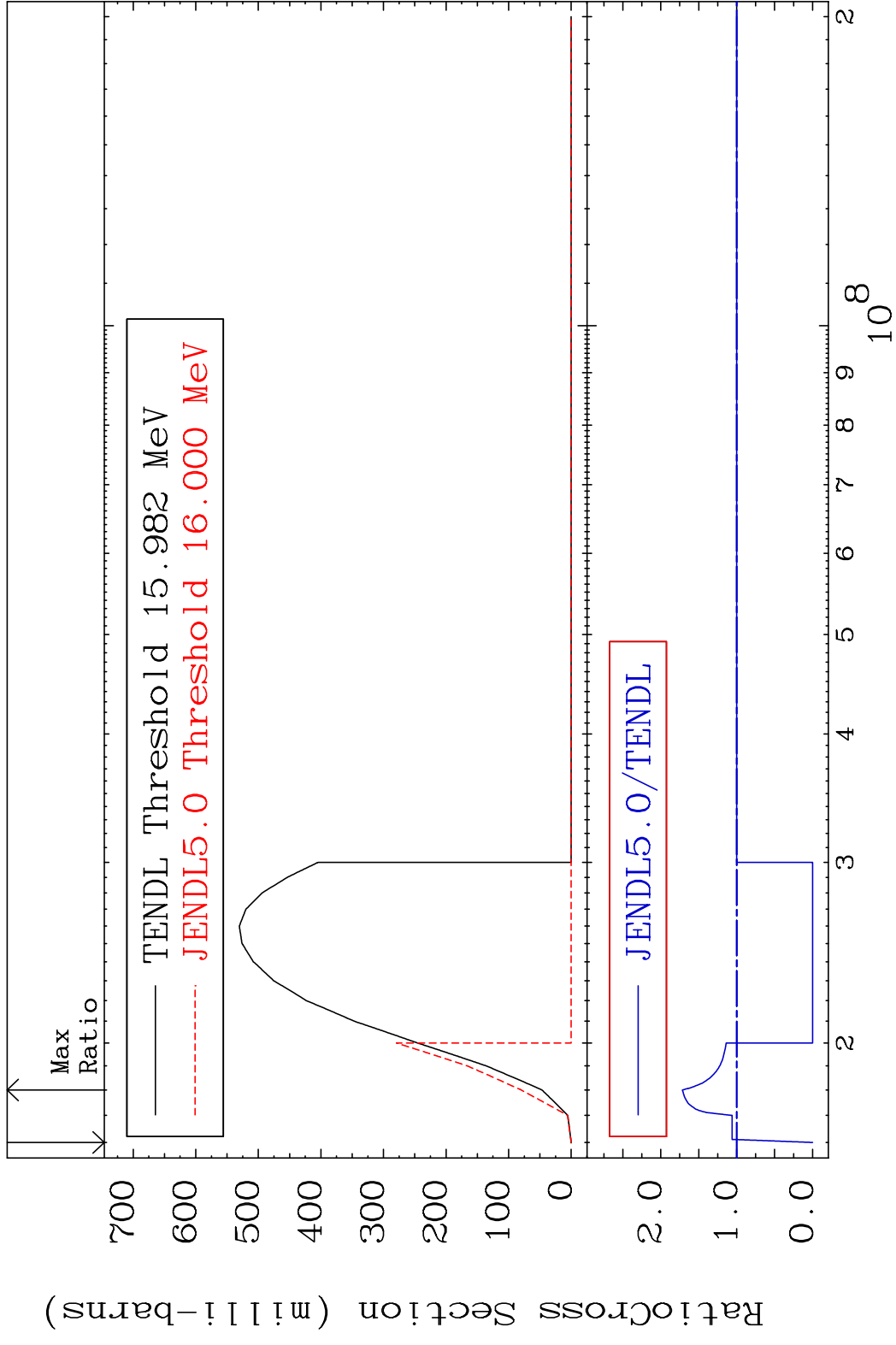


42 Incident Energy (eV) 54-Xe-131

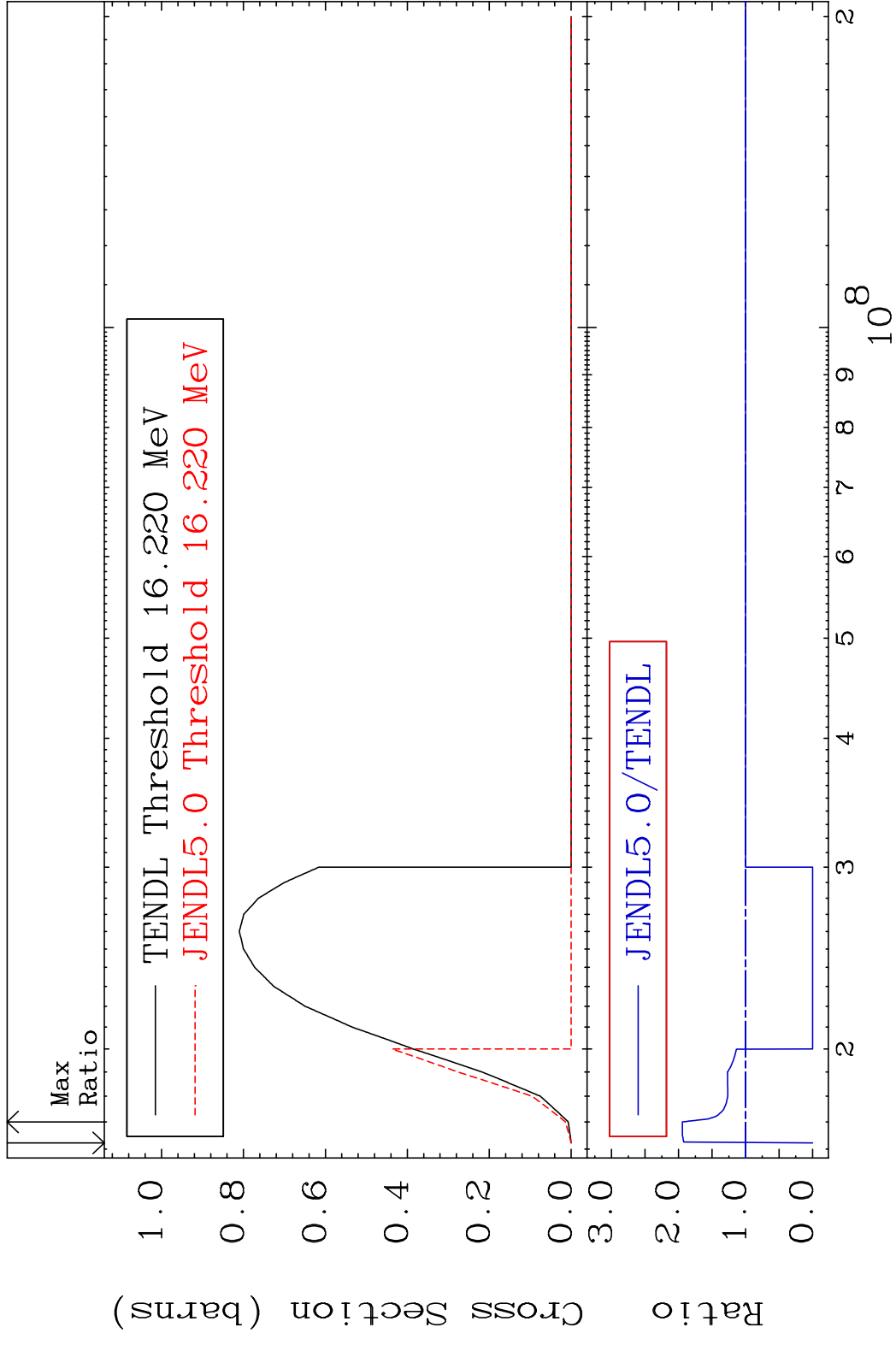
MAT 5446 Inelastic:54-Xe-131m2 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 82.54 %

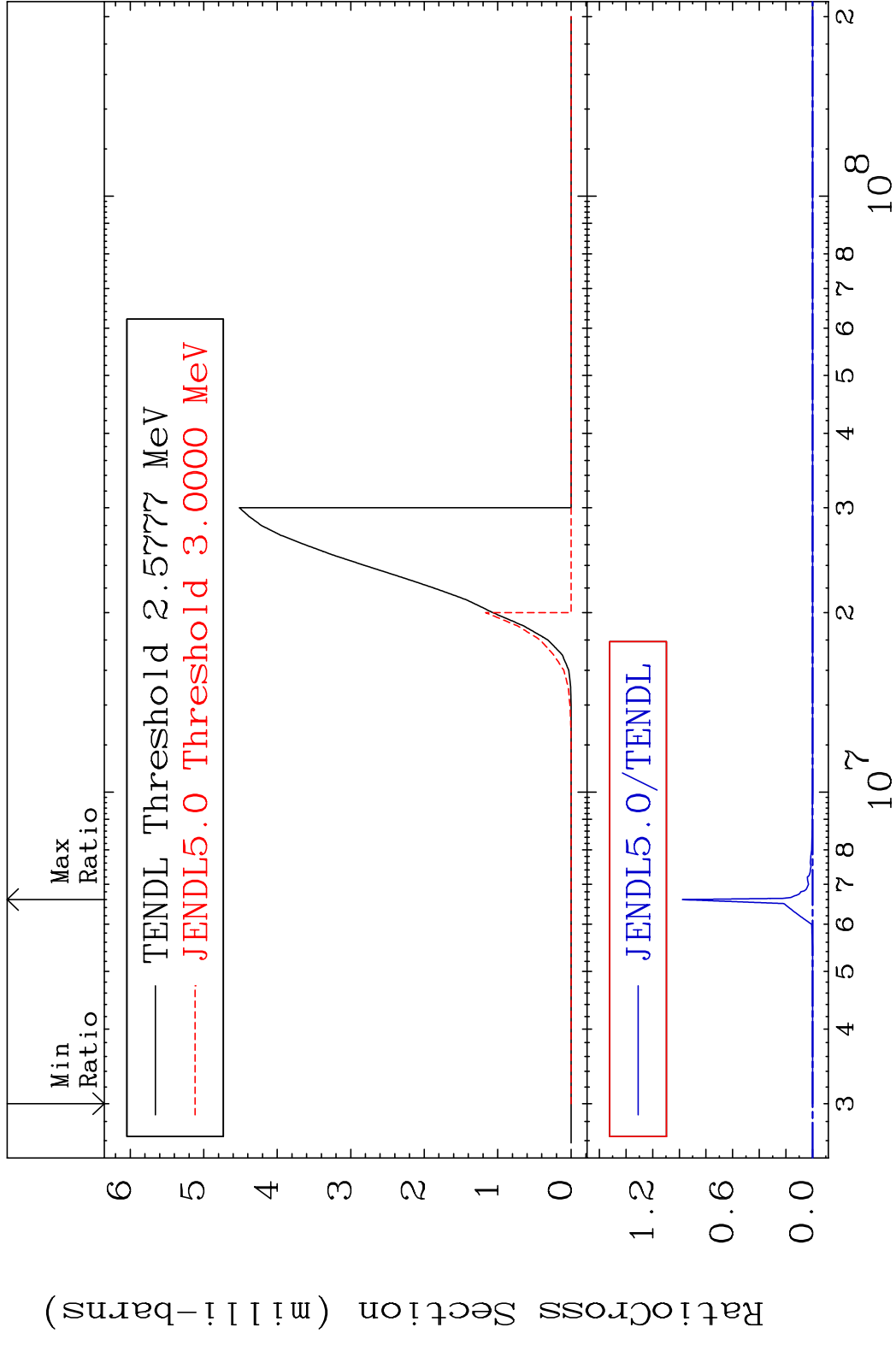


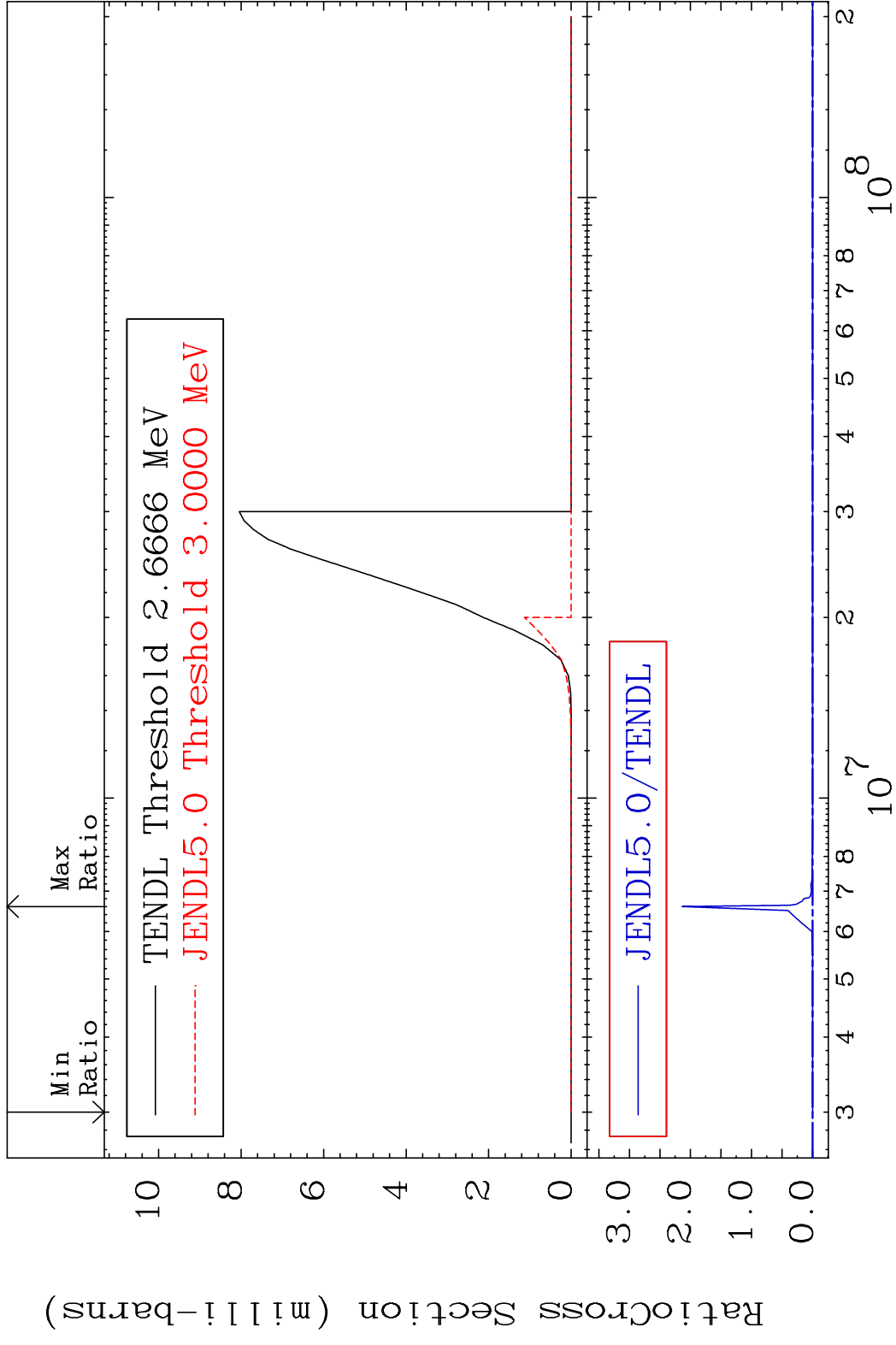
MAT 5446 (n,3n):54-Xe-129g 54-Xe-131
 Radionuclide Production Cross Section Ratio 71.58 %



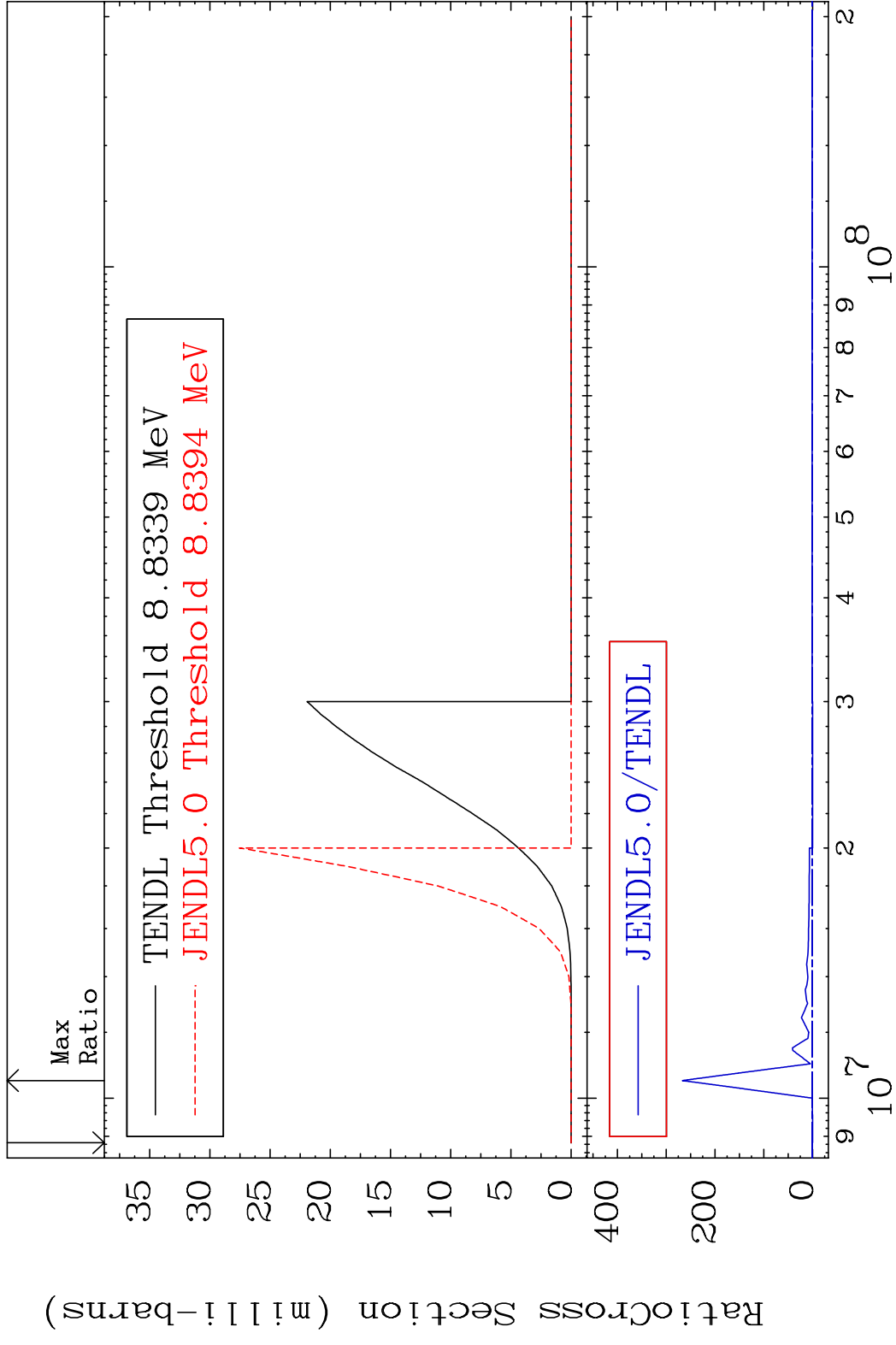
MAT 5446 (n, 3n):54-Xe-129m2 54-Xe-131
 Radionuclide Production Cross Section to 94.33 %



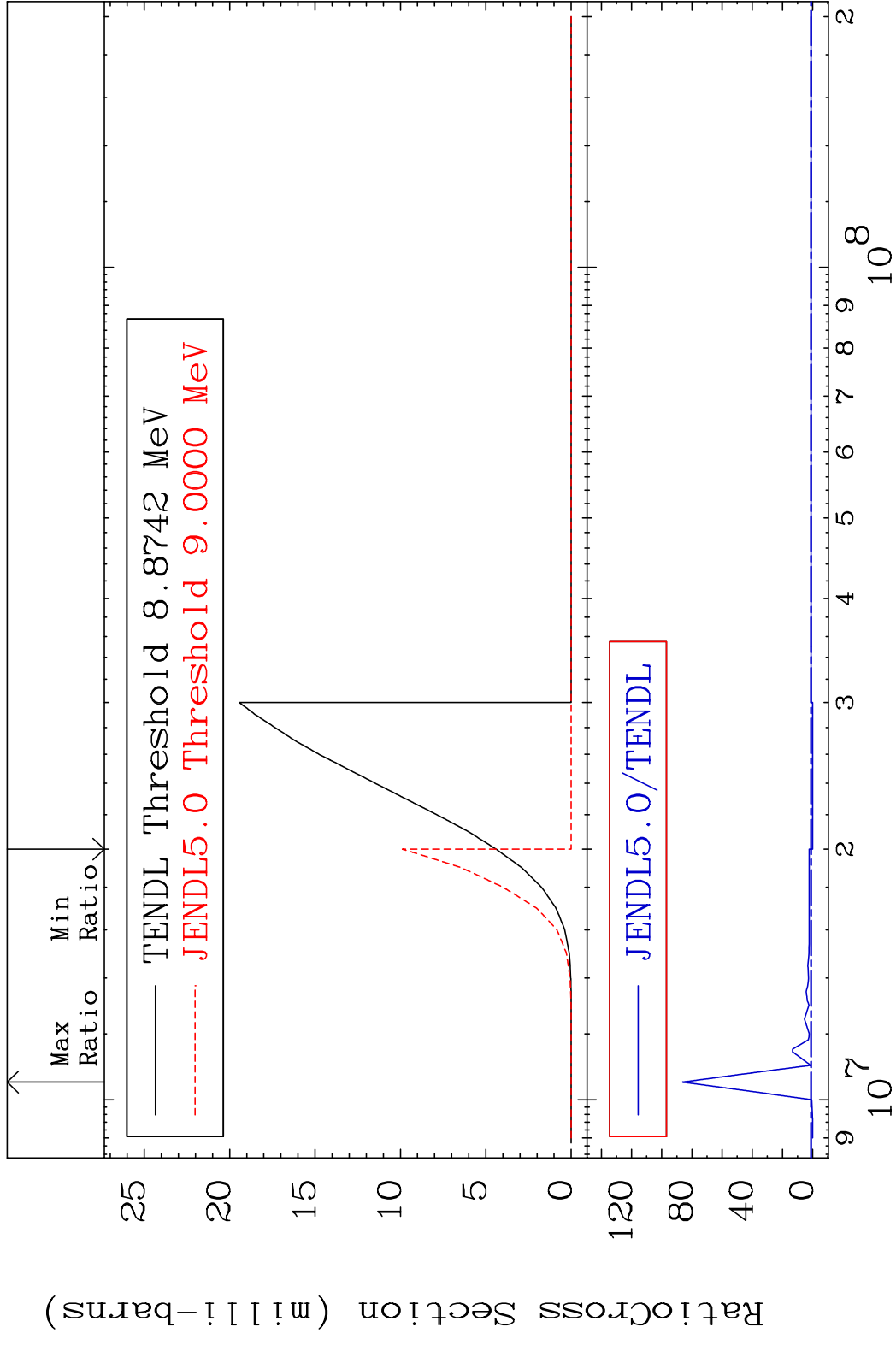




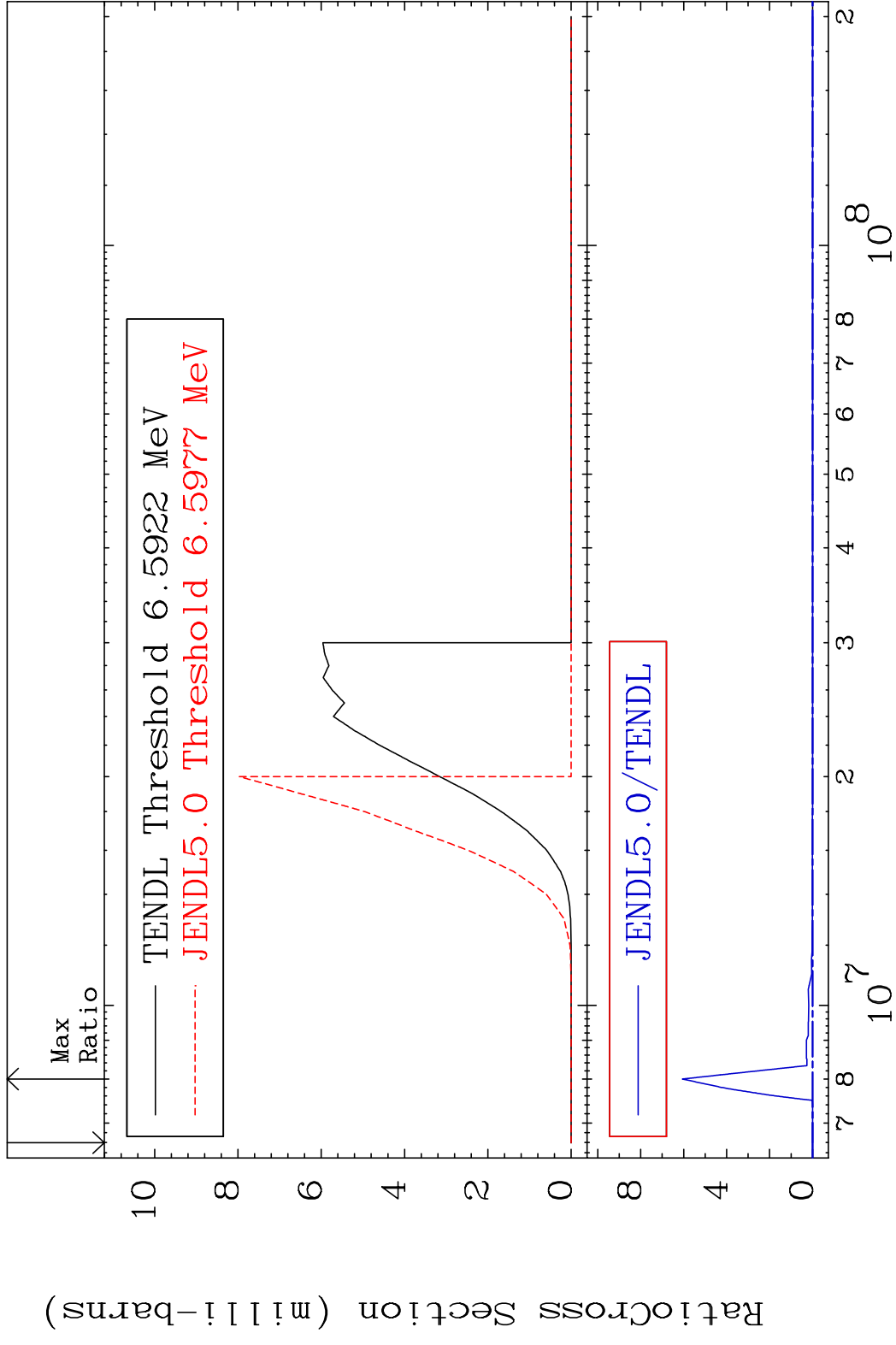
MAT 5446 (n, n') p:53-I -130g 54-Xe-131
 Radionuclide Production Cross Section to 9999. %



48 Incident Energy (eV) 54-Xe-131

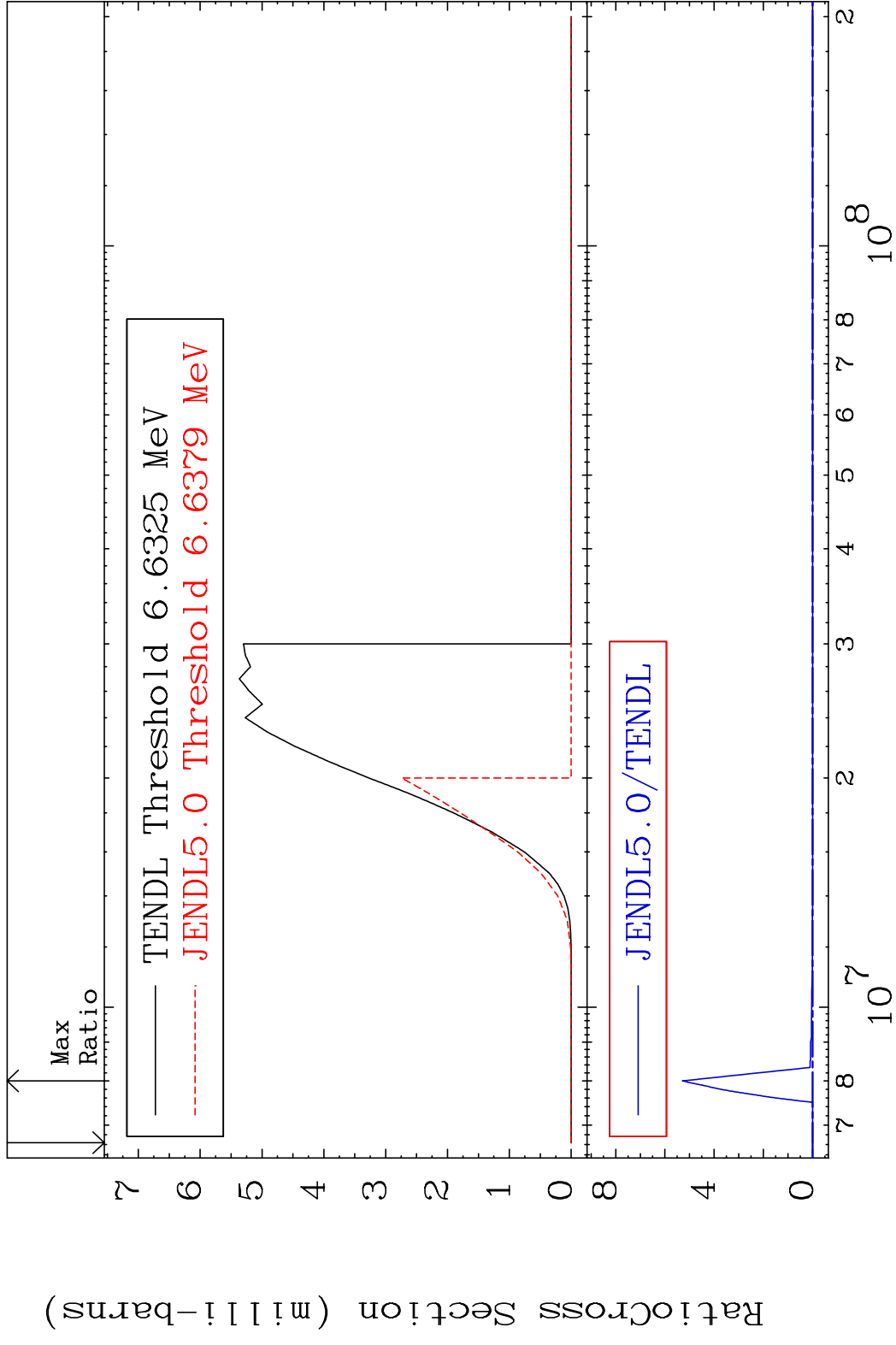


MAT 5446 (n,d):53-I -130g 54-Xe-131
 Radionuclide Production Cross Section to 9999. %



50 Incident Energy (eV) 54-Xe-131

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

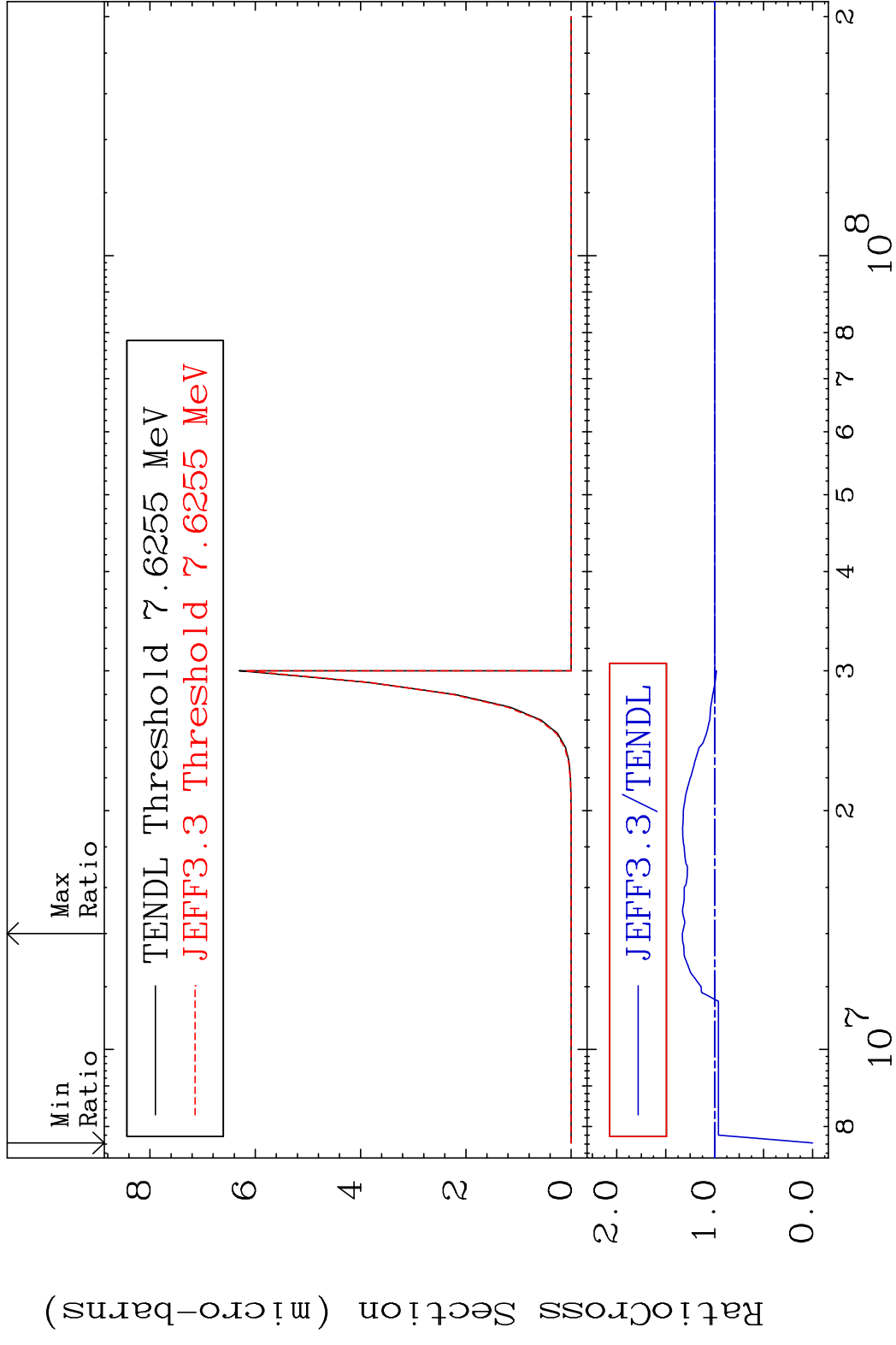


MAT 5446

(n,2p)

54-Xe-131

Cross Section -100.0 To 33.03 %

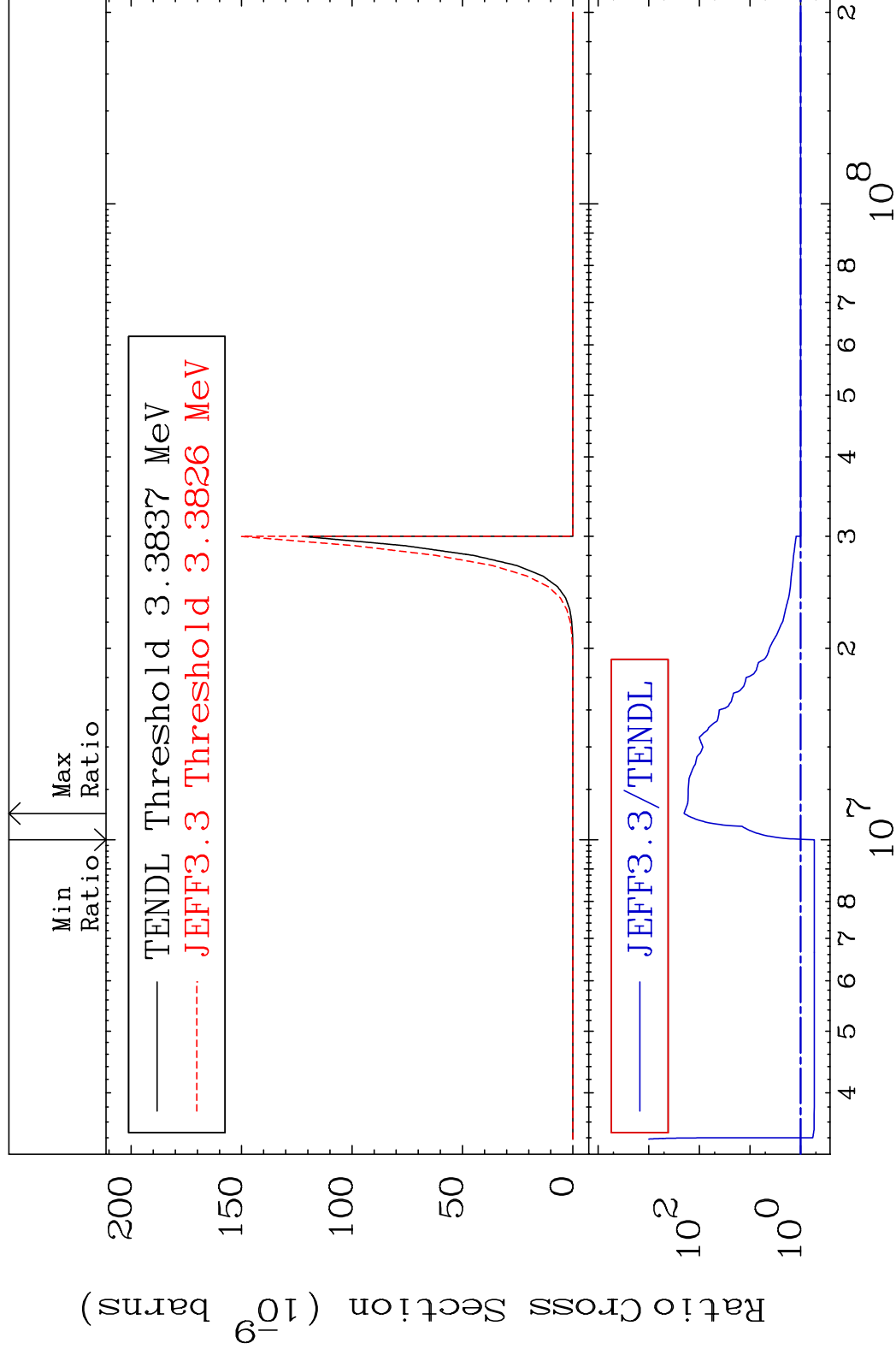


MAT 5446

(n,p) α

54-Xe-131

Cross Section -46.12 To 9999. %



53

Incident Energy (eV)

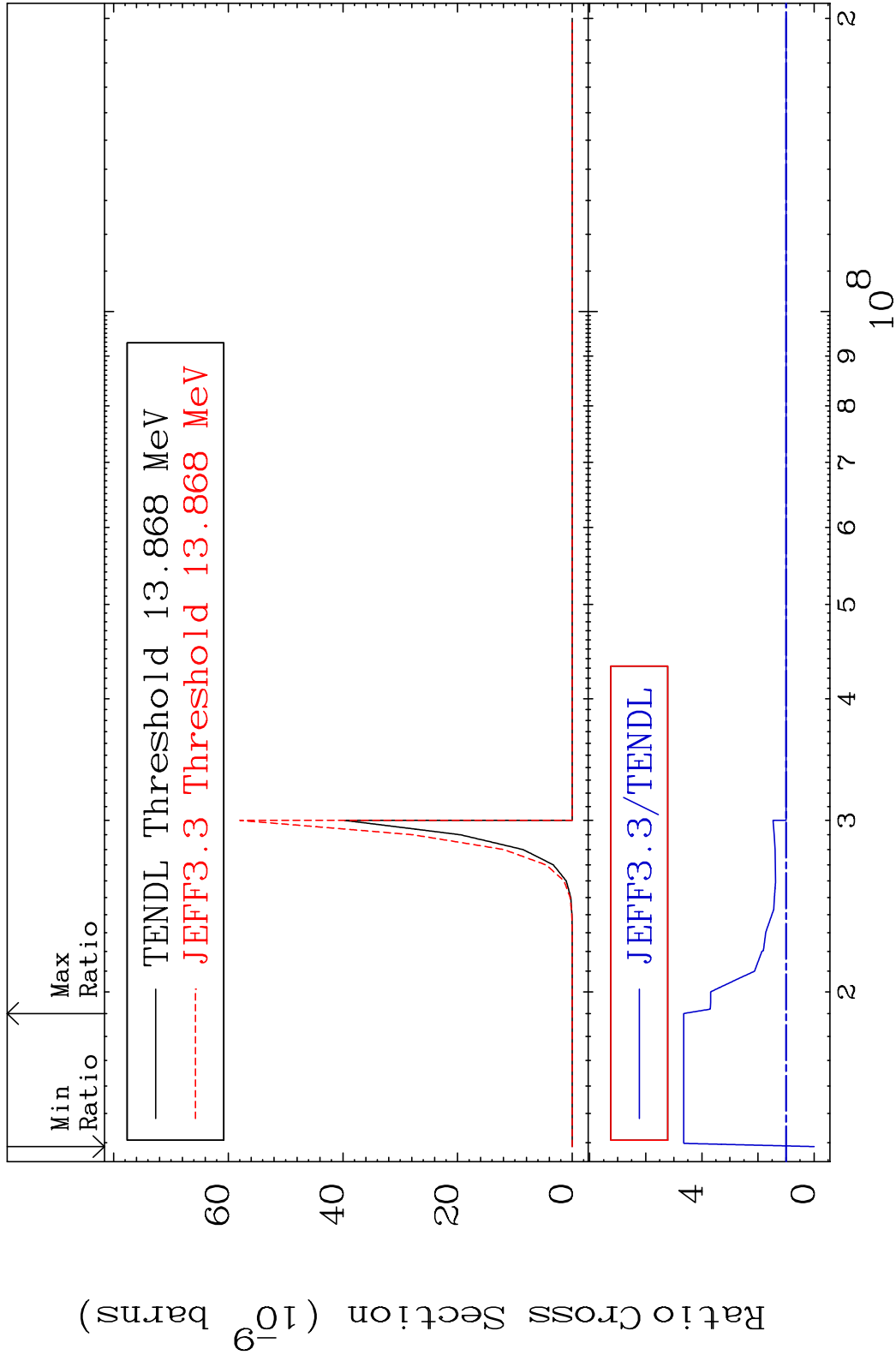
54-Xe-131

MAT 5446

(n,p) d

54-Xe-131

Cross Section -100.0 To 364.9 %



54

Incident Energy (eV)

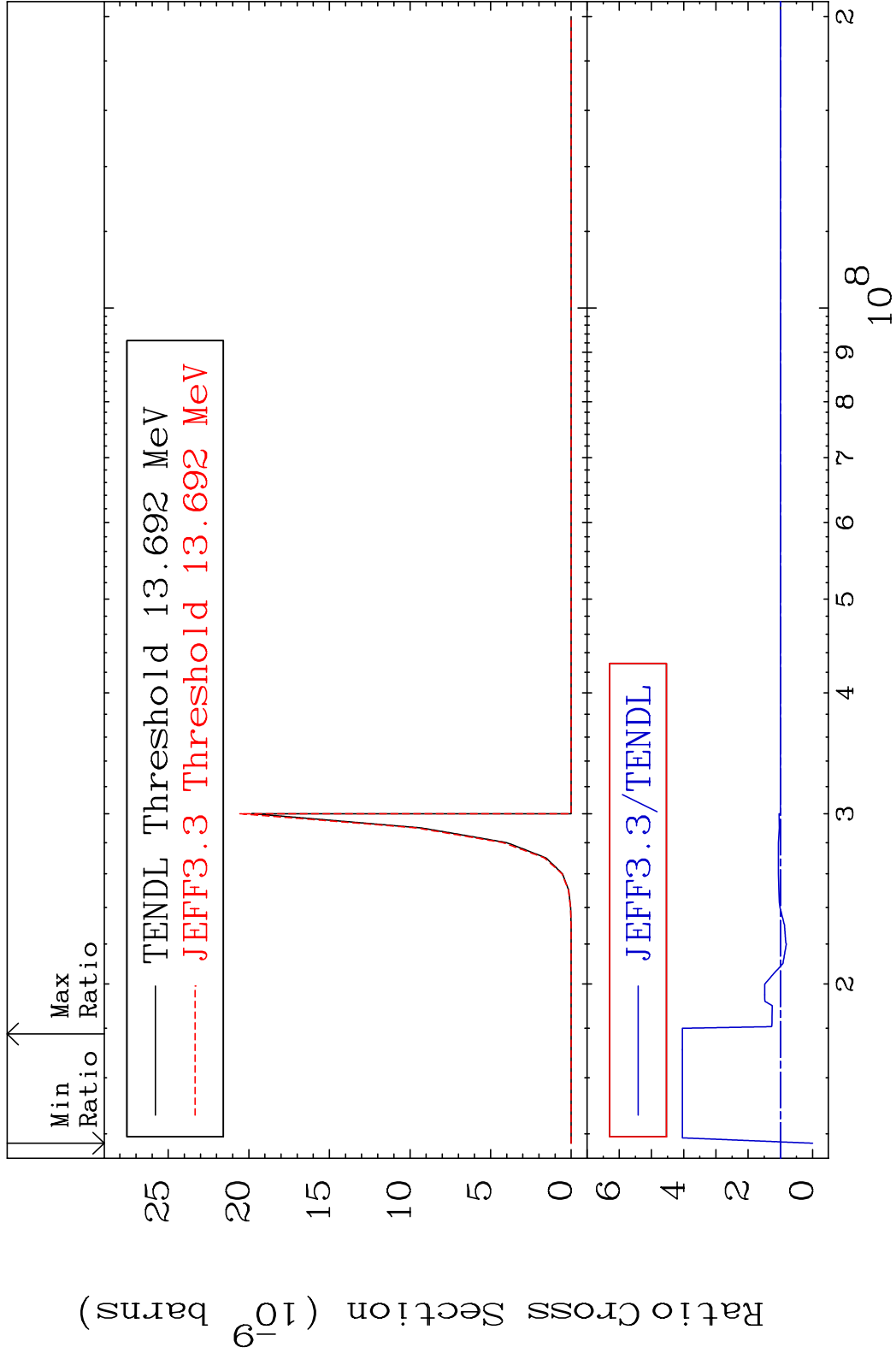
54-Xe-131

MAT 5446

(n,p) t

54-Xe-131

Cross Section -100.0 To 304.2 %

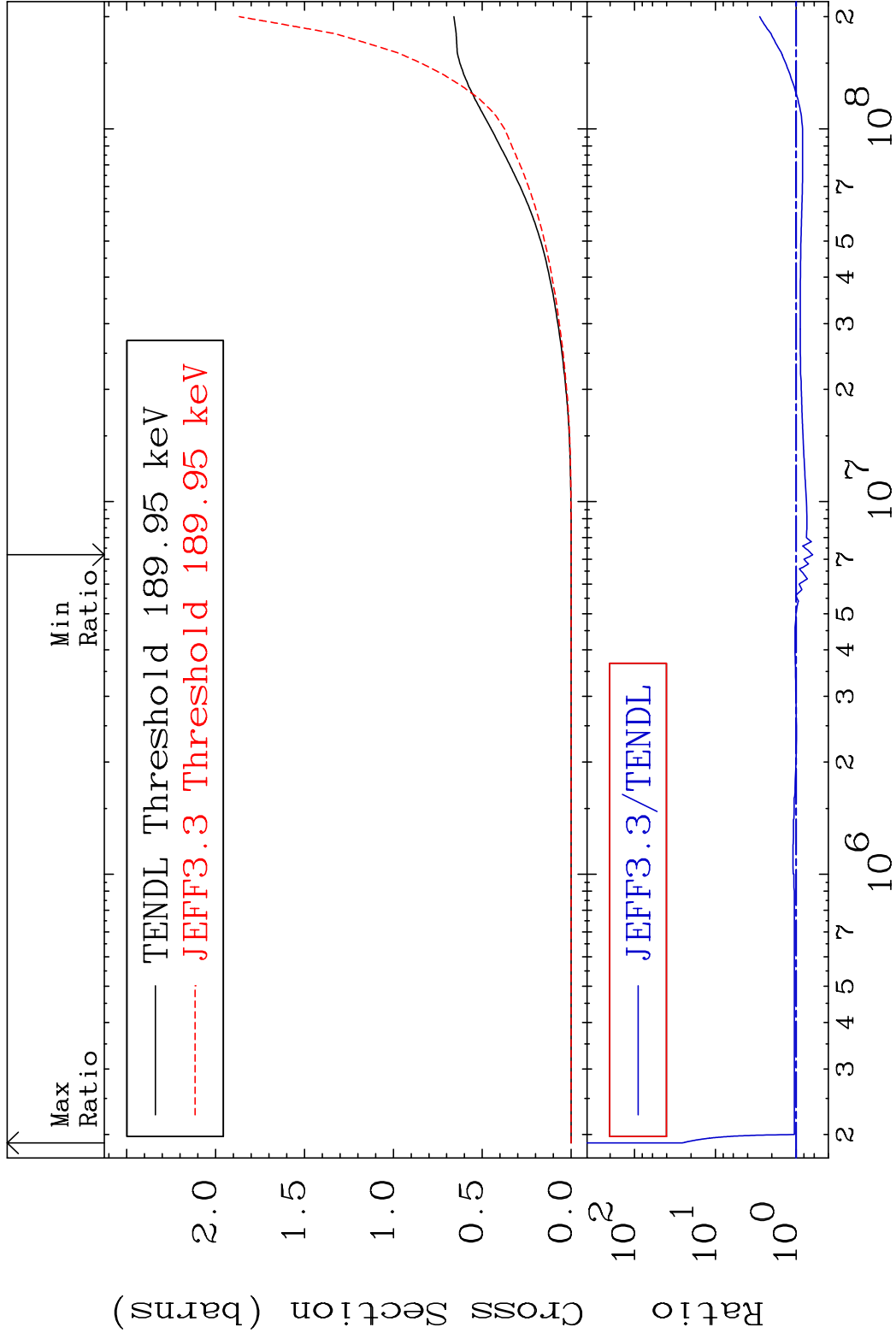


MAT 5446

Hydrogen Production

54-Xe-131

Cross Section -37.27 To 2459. %



56

Incident Energy (eV)

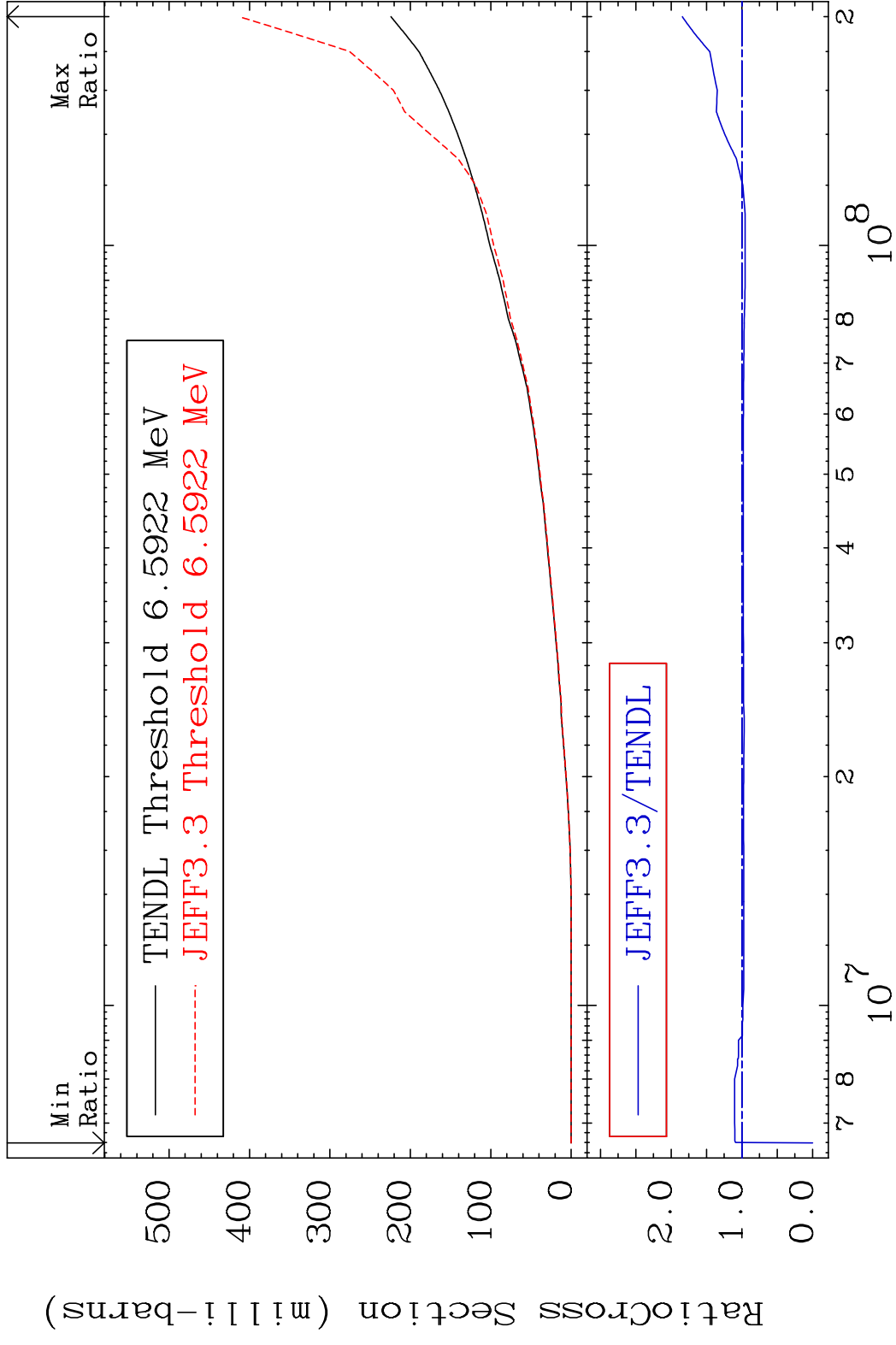
54-Xe-131

MAT 5446

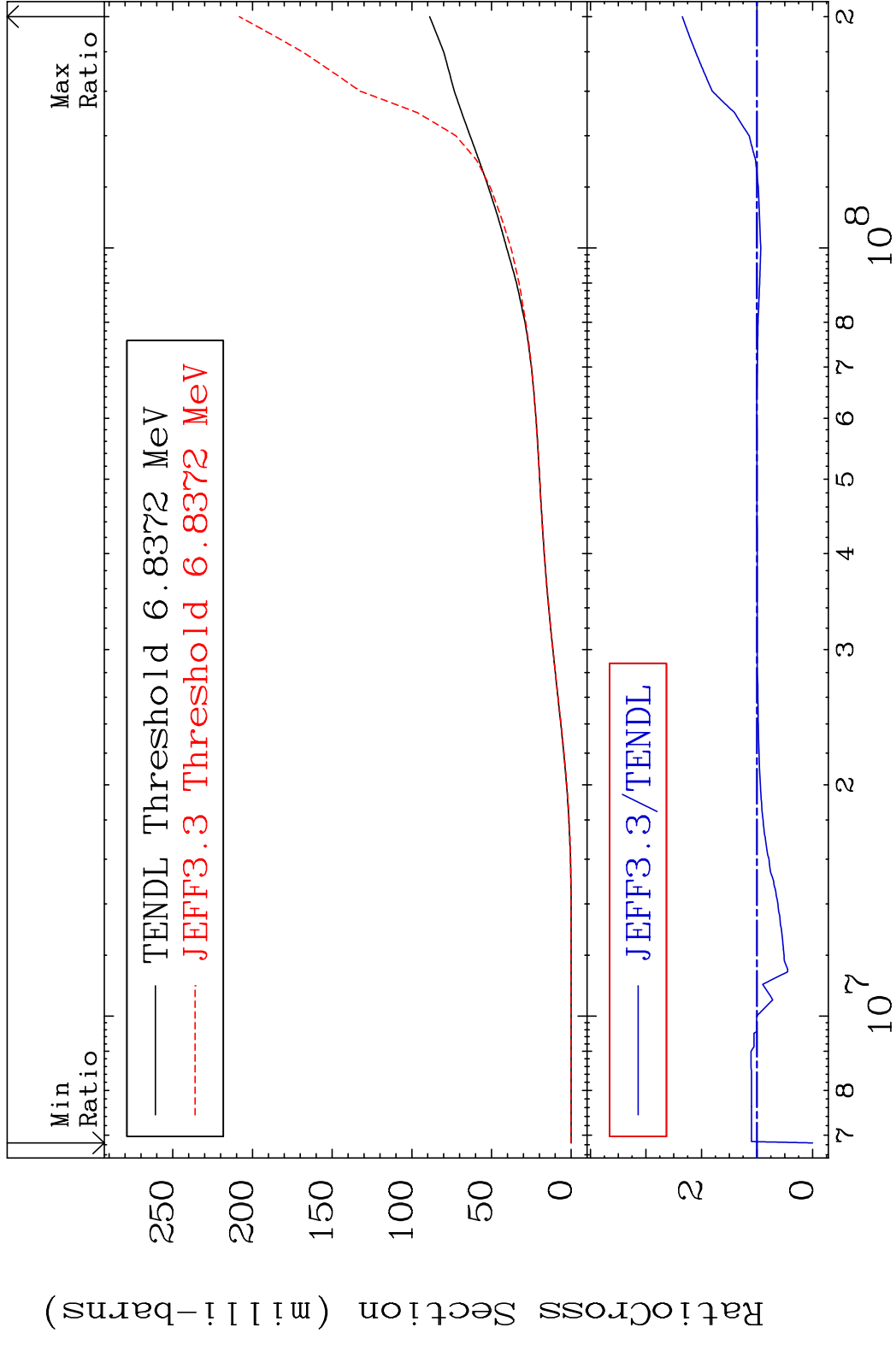
Deuterium Production

54-Xe-131

Cross Section -100.0 To 84.22 %



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

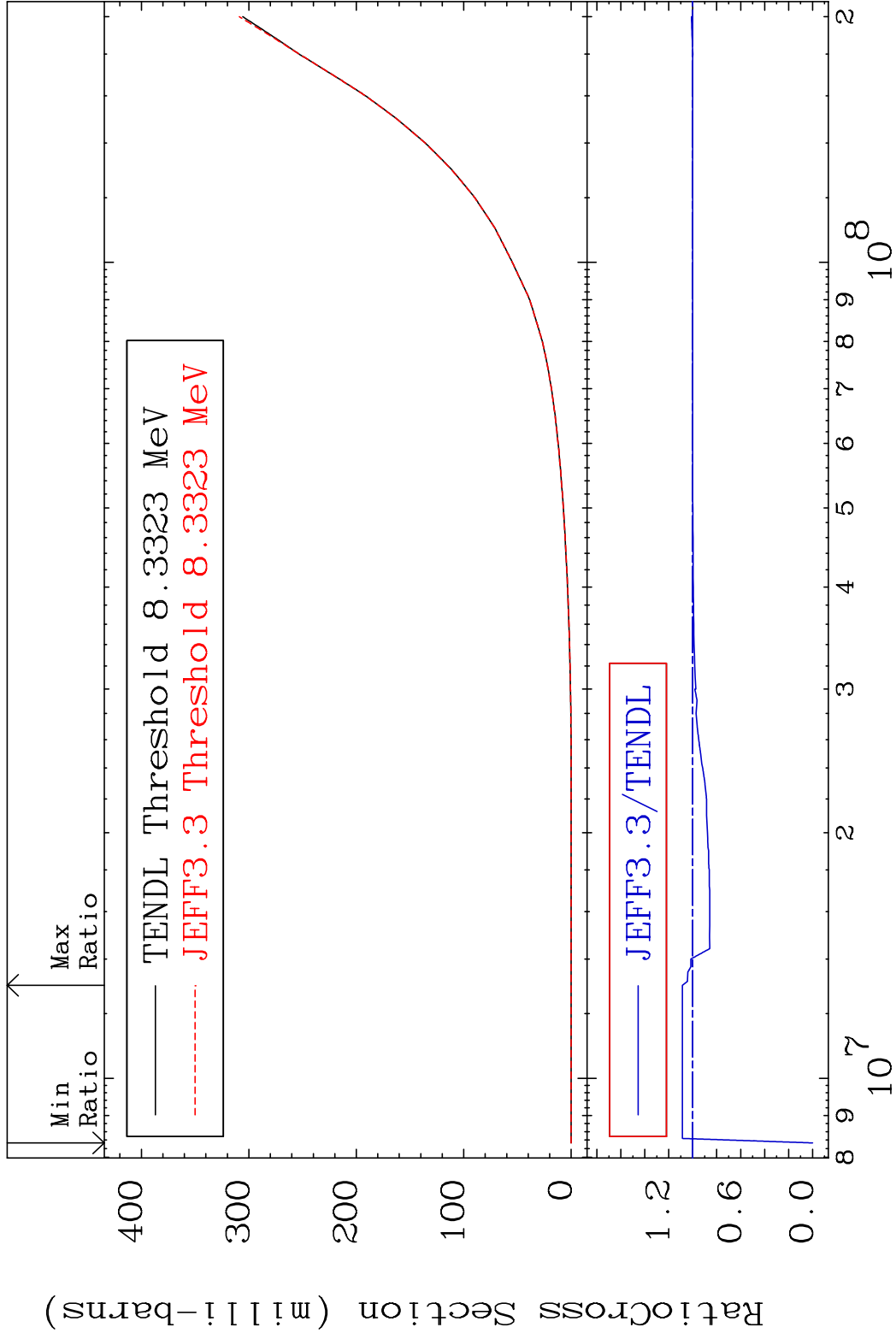


MAT 5446

He-3 Production

54-Xe-131

Cross Section -100.0 To 8.662 %



59

Incident Energy (eV)

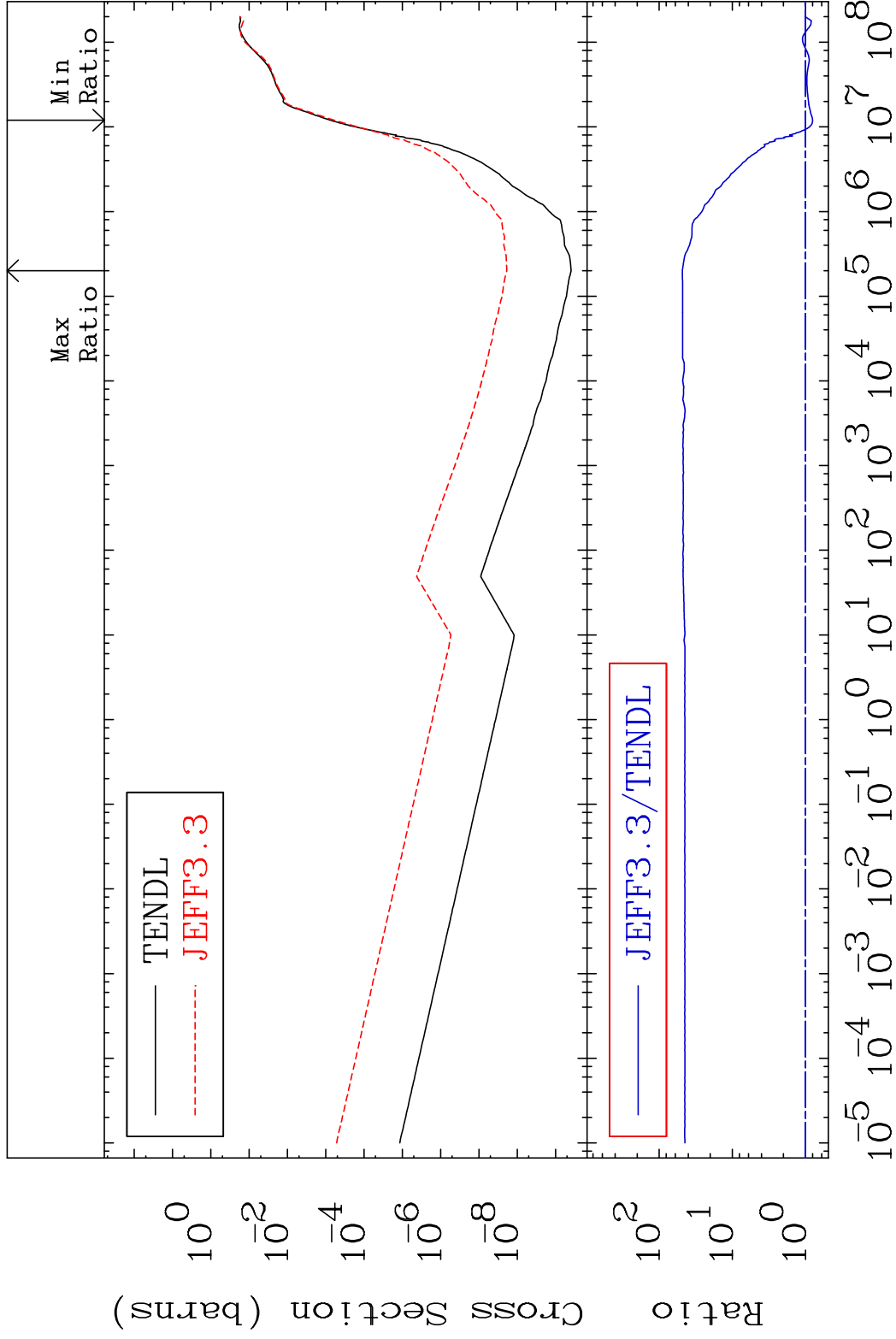
54-Xe-131

MAT 5446

He-4 Production

54-Xe-131

Cross Section -19.88 To 4721. %

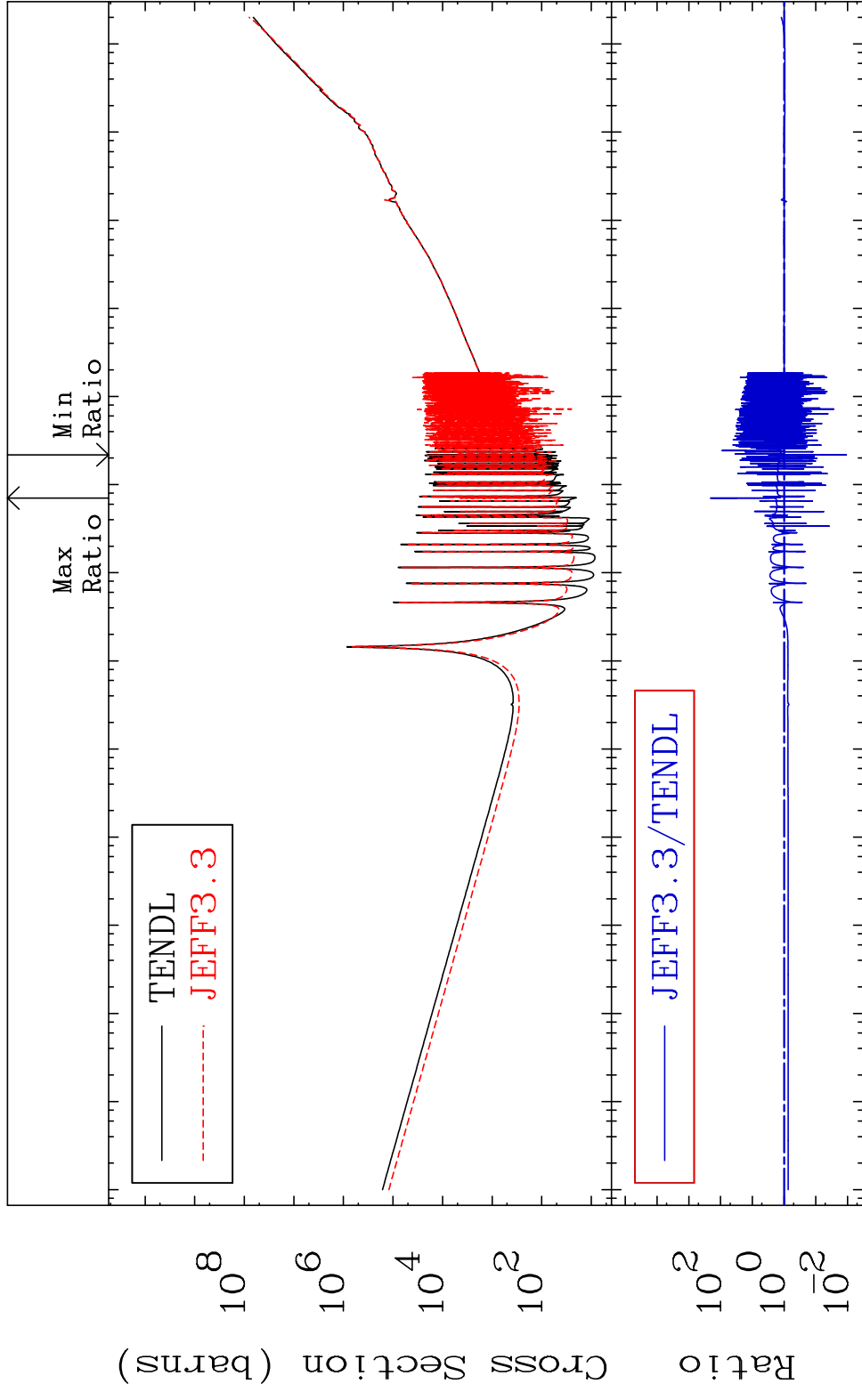


60

Incident Energy (eV)

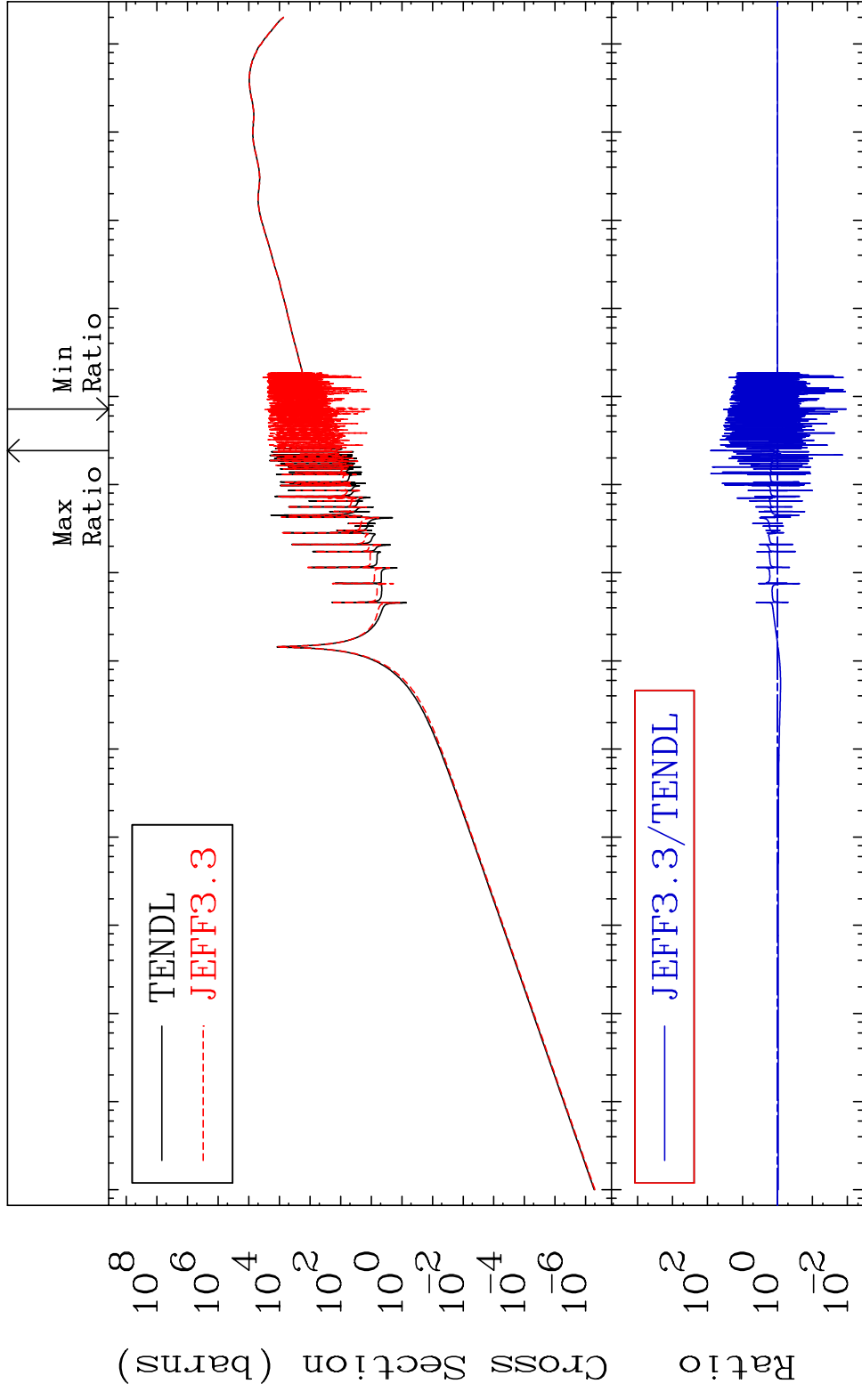
54-Xe-131

MAT 5446 Kerma total (eV-barns) 54-Xe-131
 Cross Section -98.91 To 9999. %

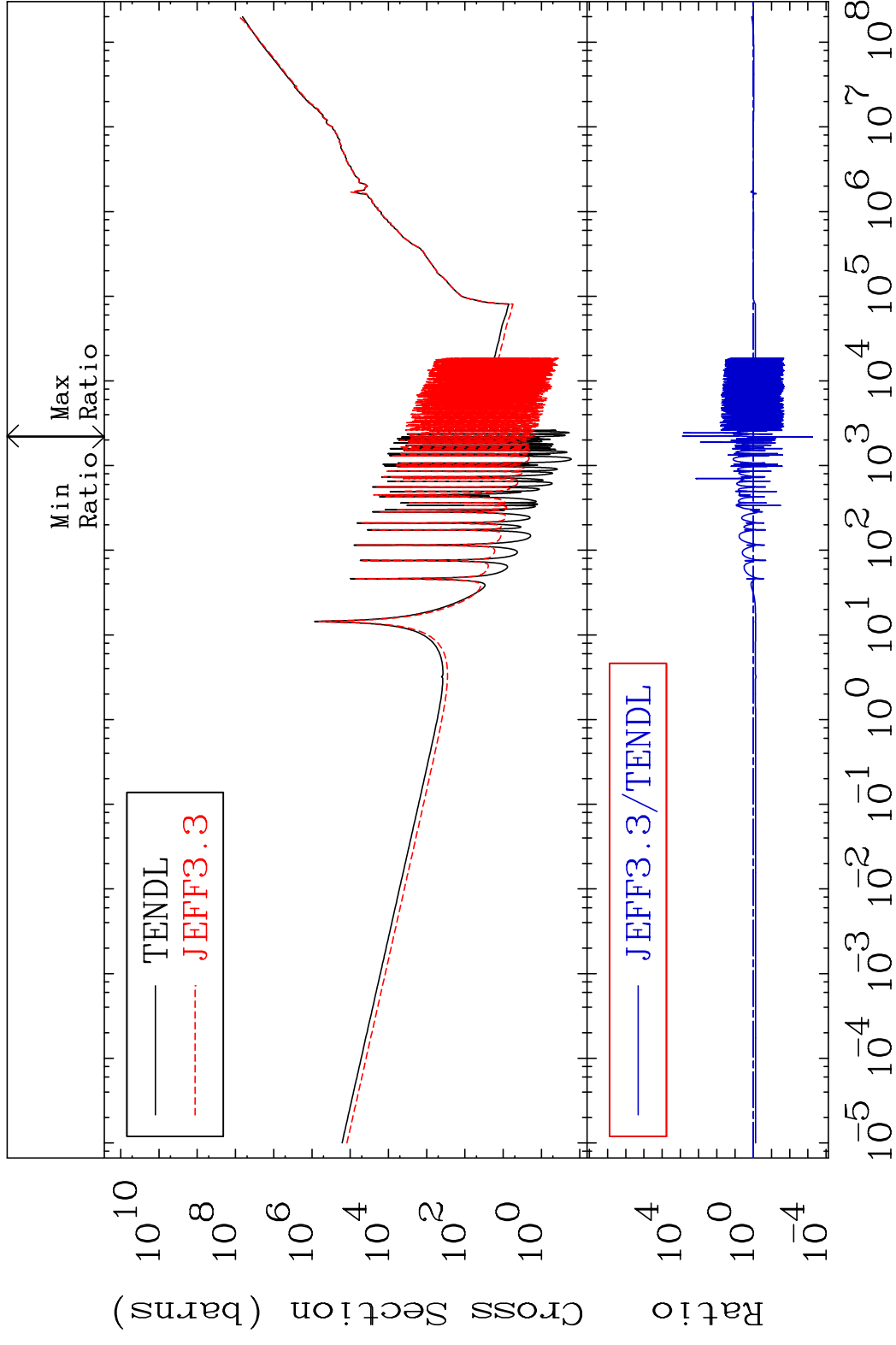


MAT 5446

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

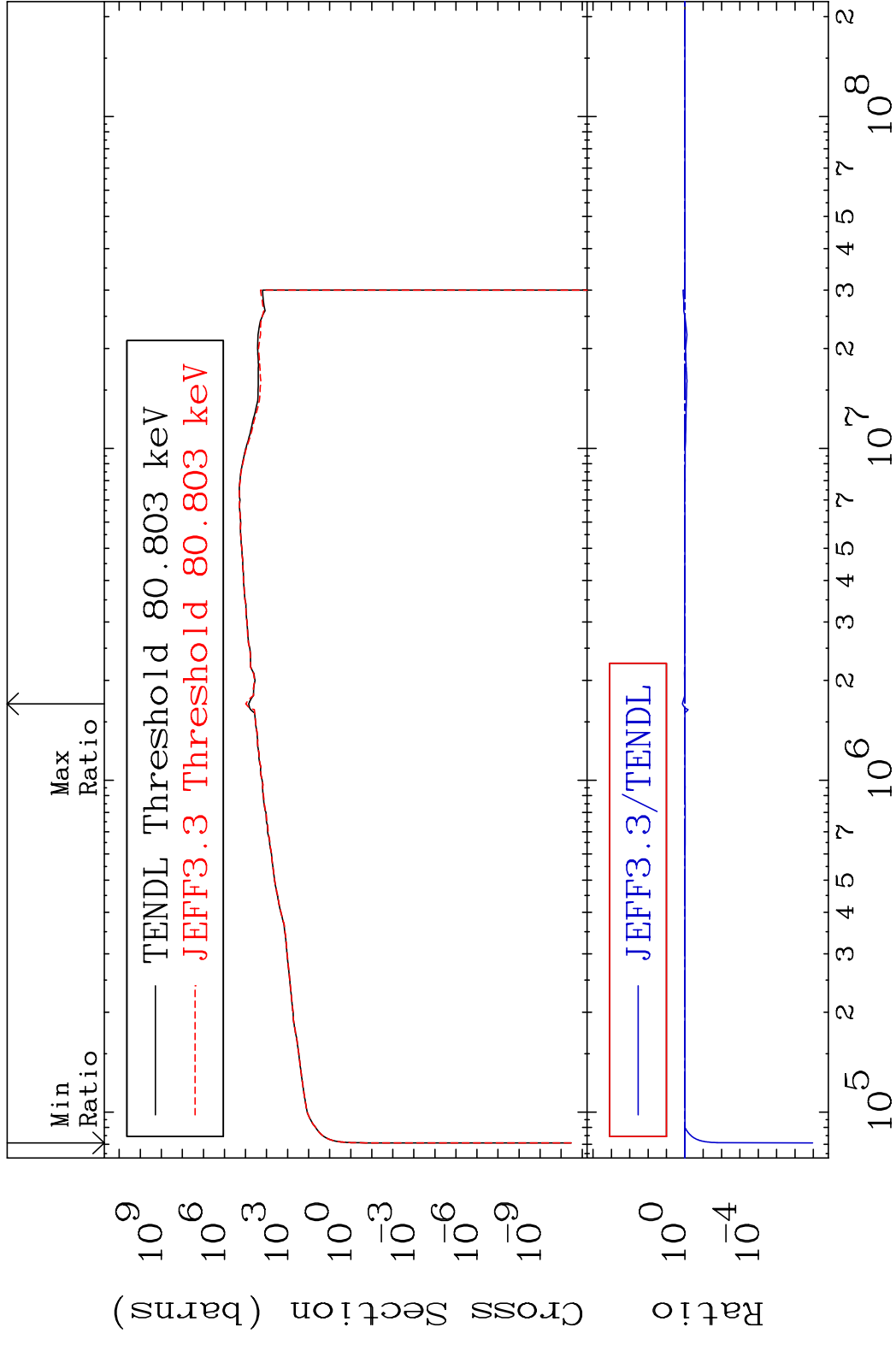


MAT 5446 Kerma non-elastic (all but mt2) 54-Xe-131
 Cross Section -99.94 To 9999. %



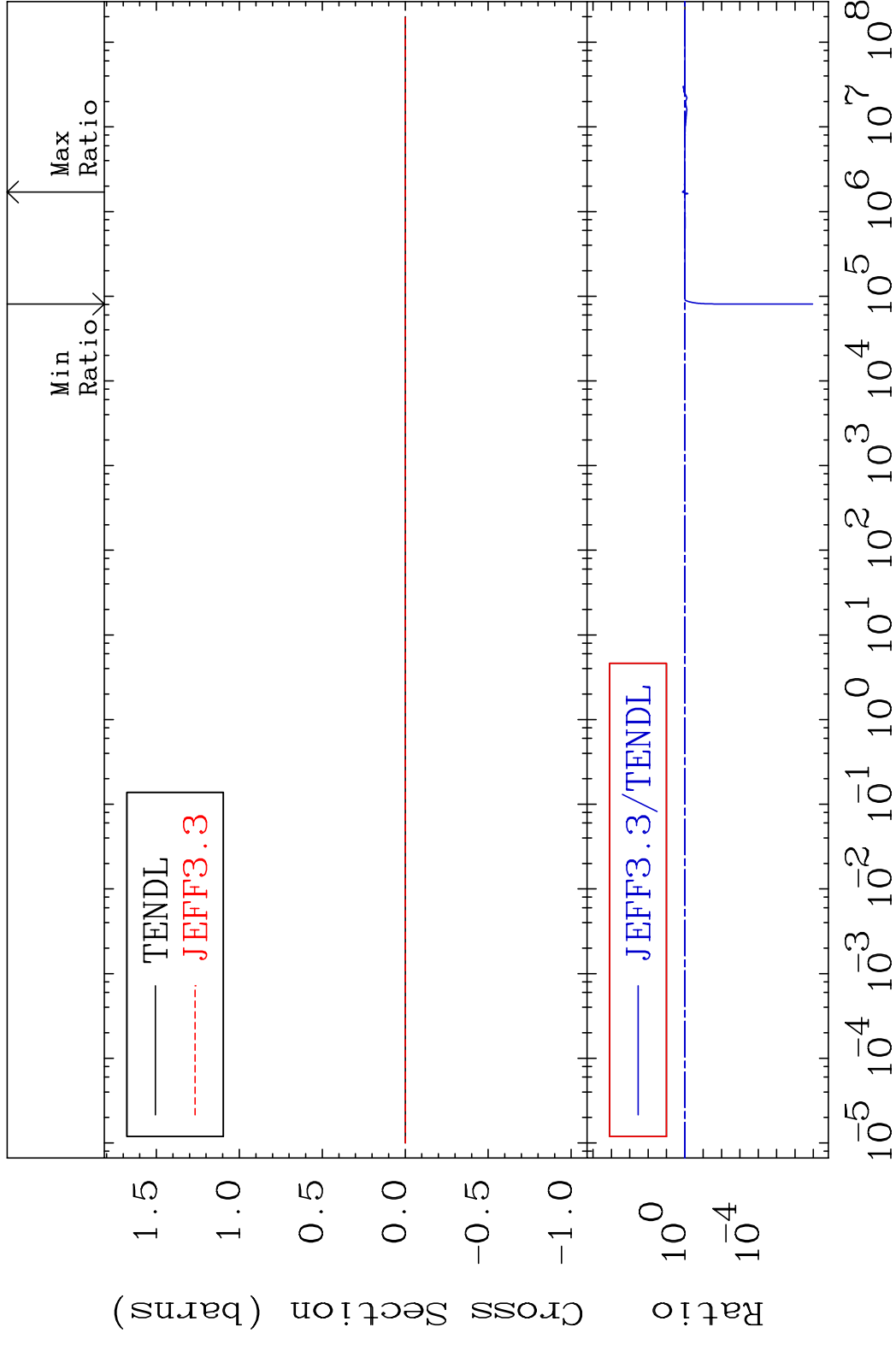
63 Incident Energy (eV) 54-Xe-131

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



64 Incident Energy (eV) 54-Xe-131

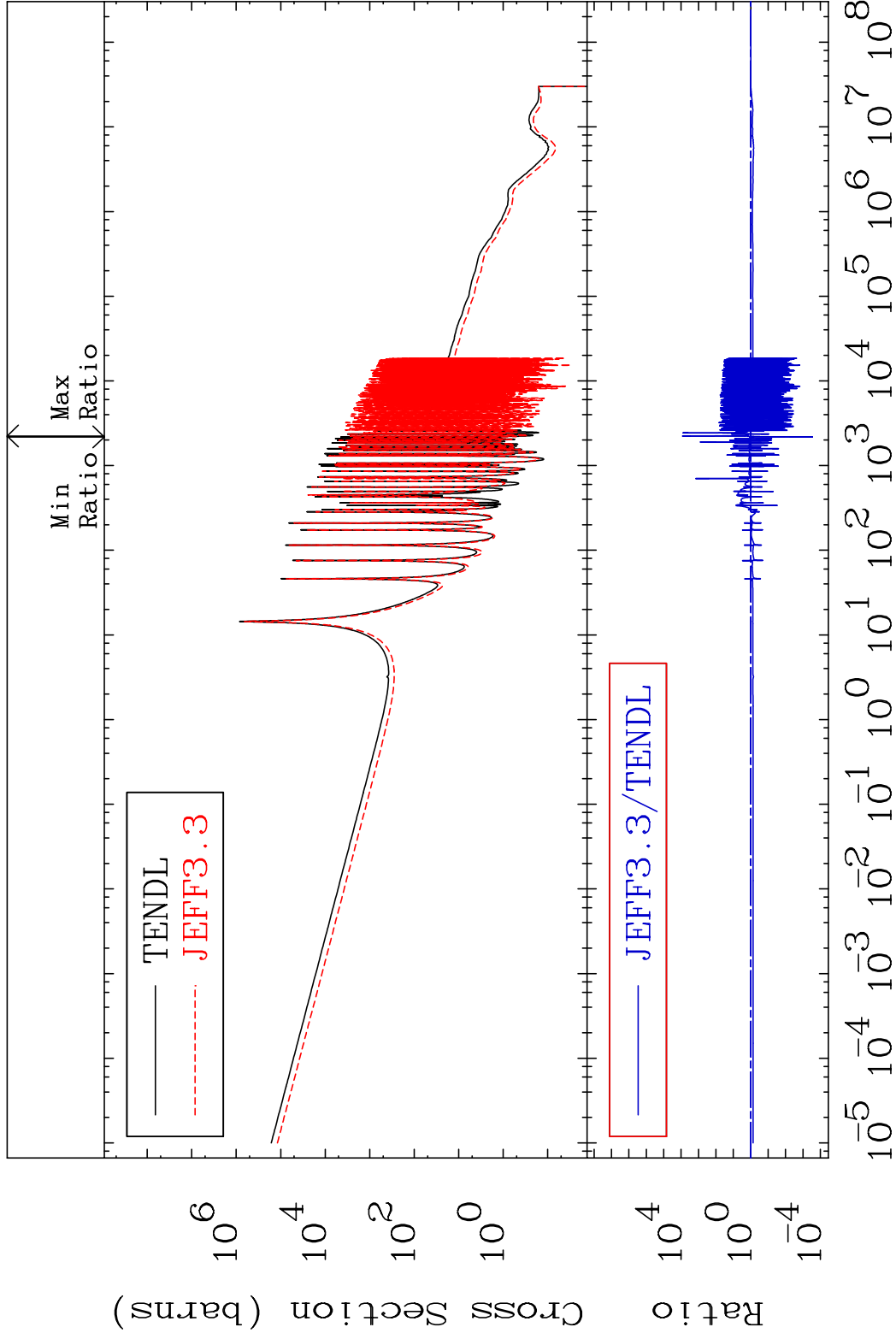
MAT 5446 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-131
 Cross Section -100.0 To 36.08 %



MAT 5446

Kerma capture (mt102) 54-Xe-131

Cross Section -99.97 To 9999. %



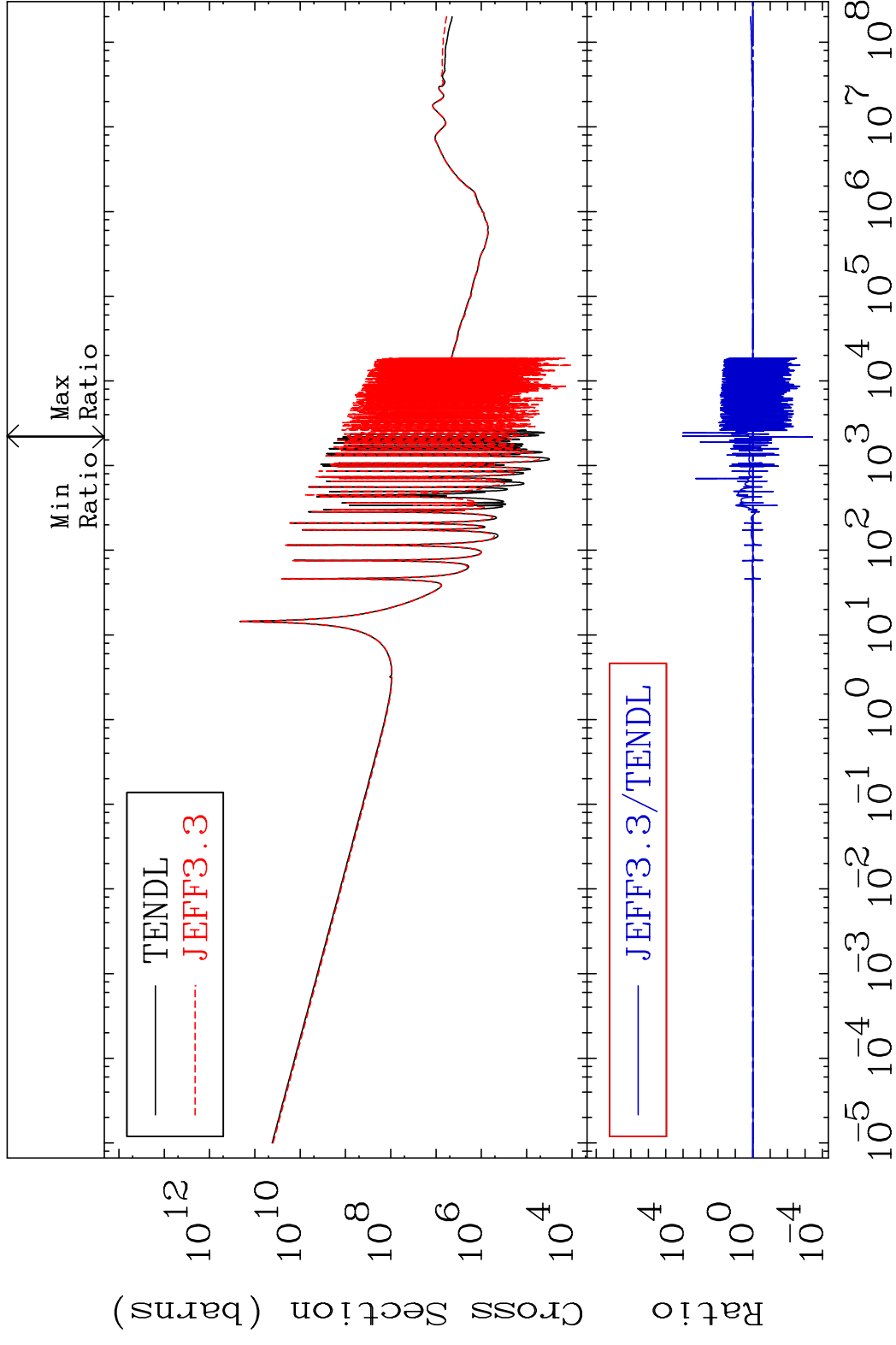
66

Incident Energy (eV)

54-Xe-131

MAT 5446

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

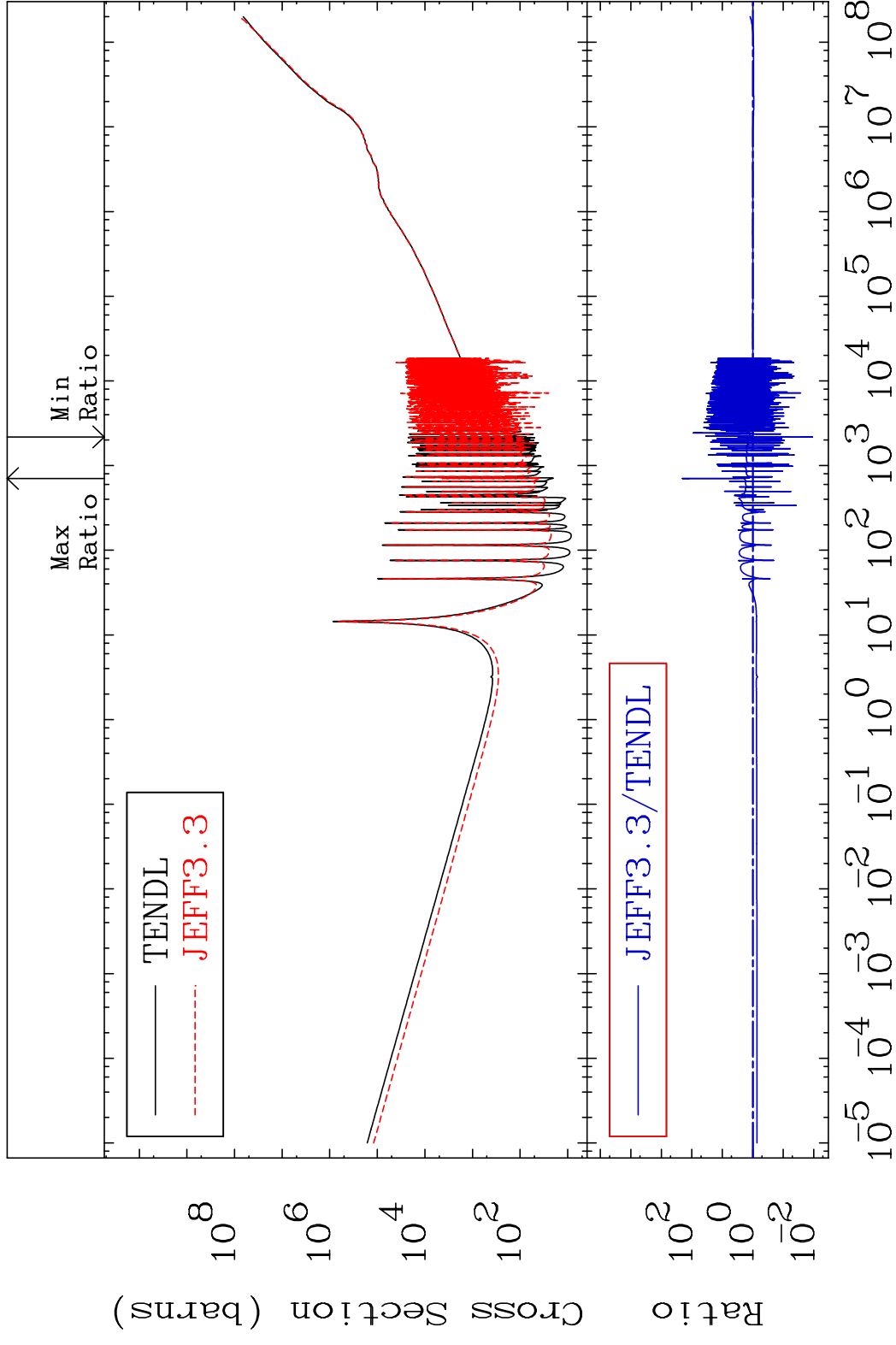


67

Incident Energy (eV)

54-Xe-131

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

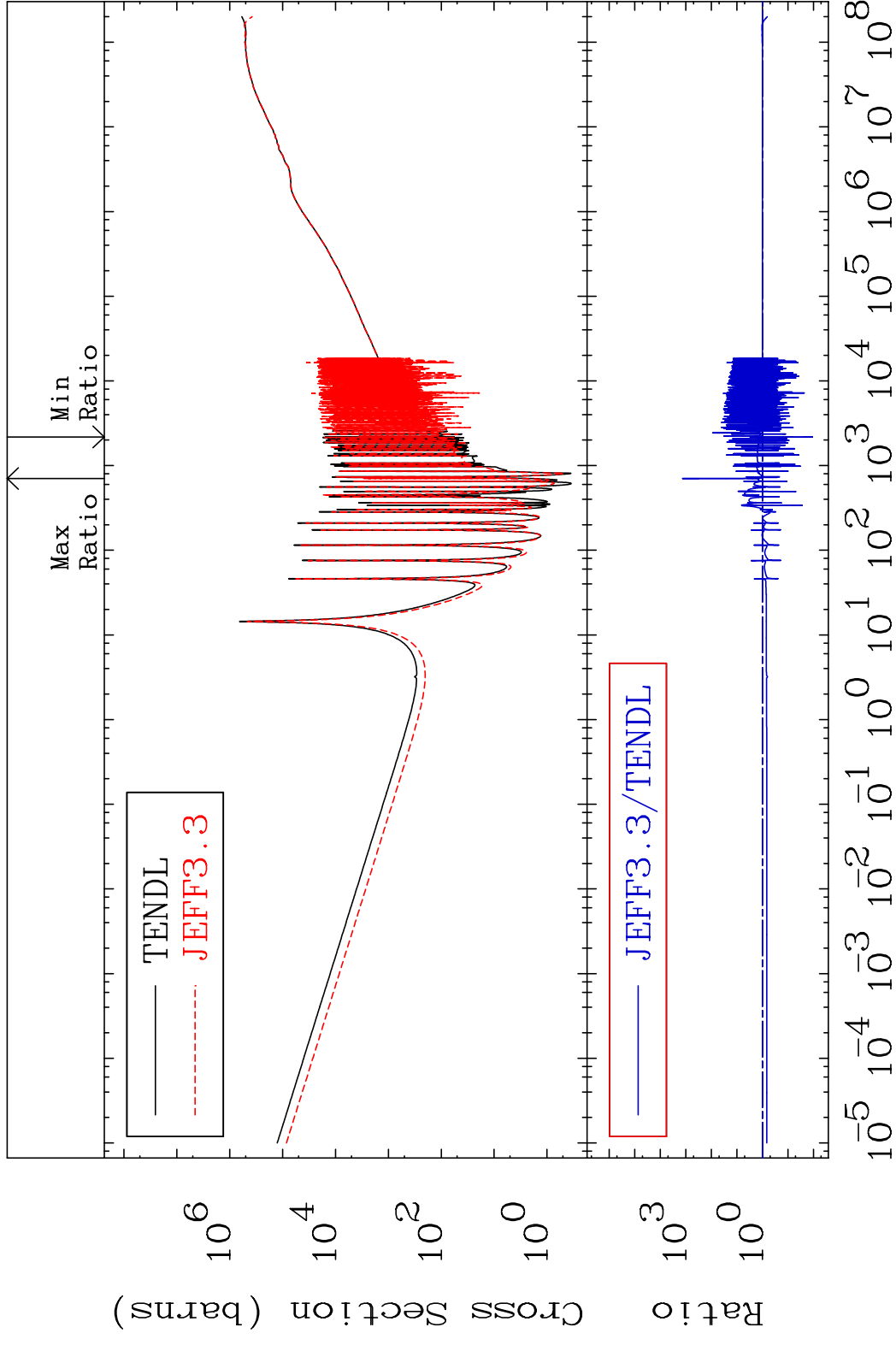


MAT 5446

Dpa total (eV-barns)

54-Xe-131

Cross Section -98.92 To 9999. %



69

Incident Energy (eV)

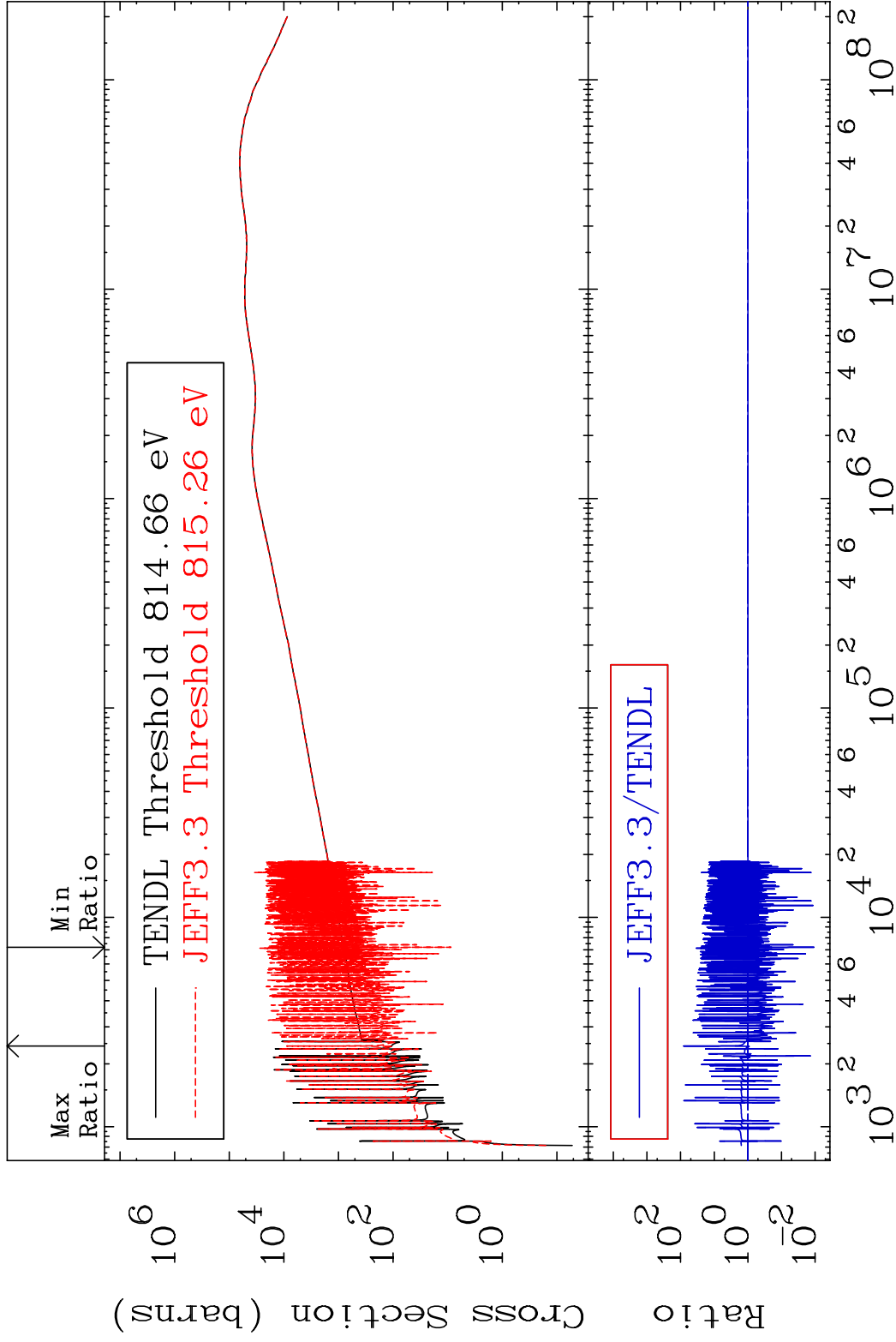
54-Xe-131

MAT 5446

Dpa elastic (mt2)

54-Xe-131

Cross Section -98.93 To 8010. %

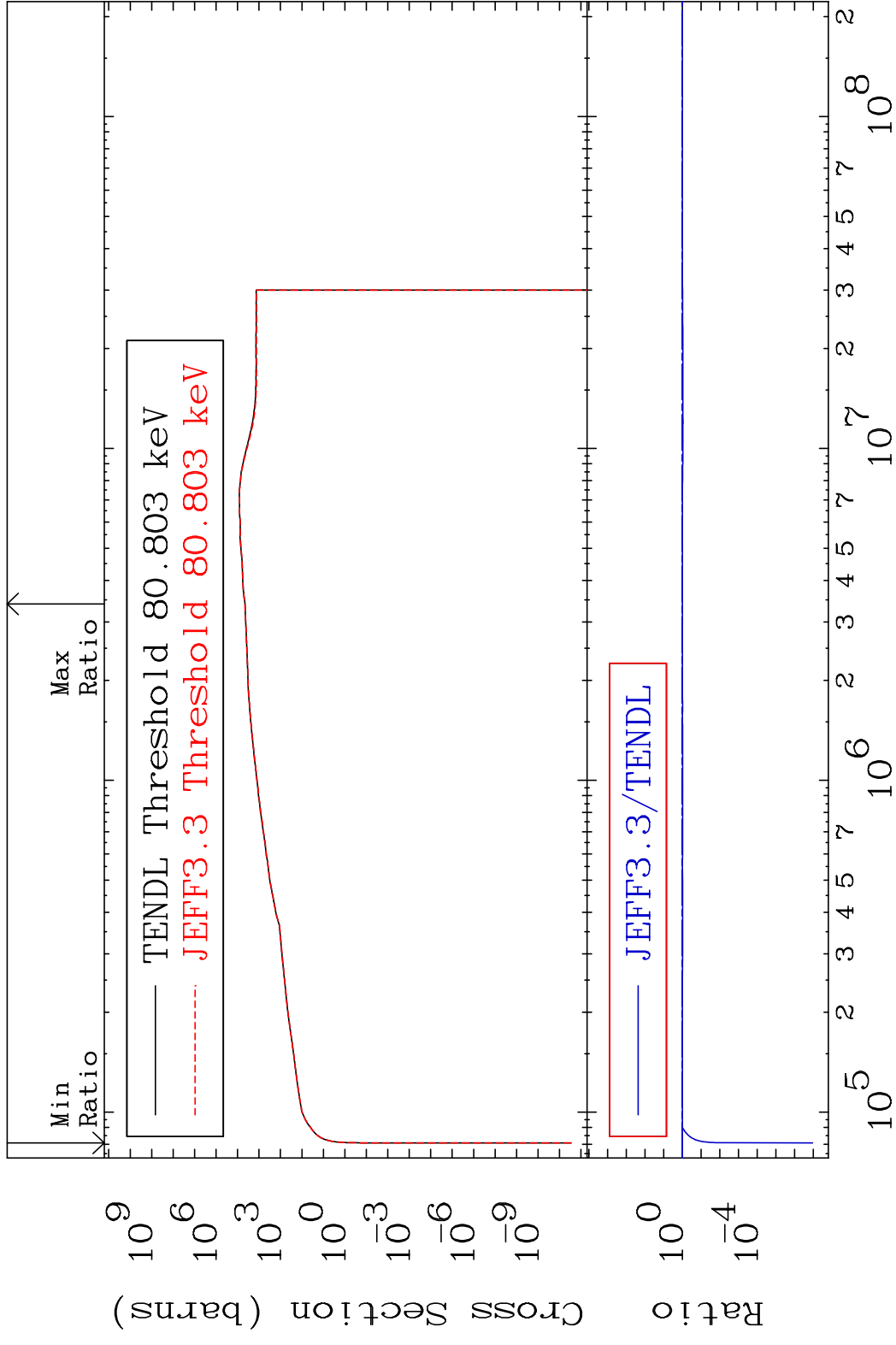


70

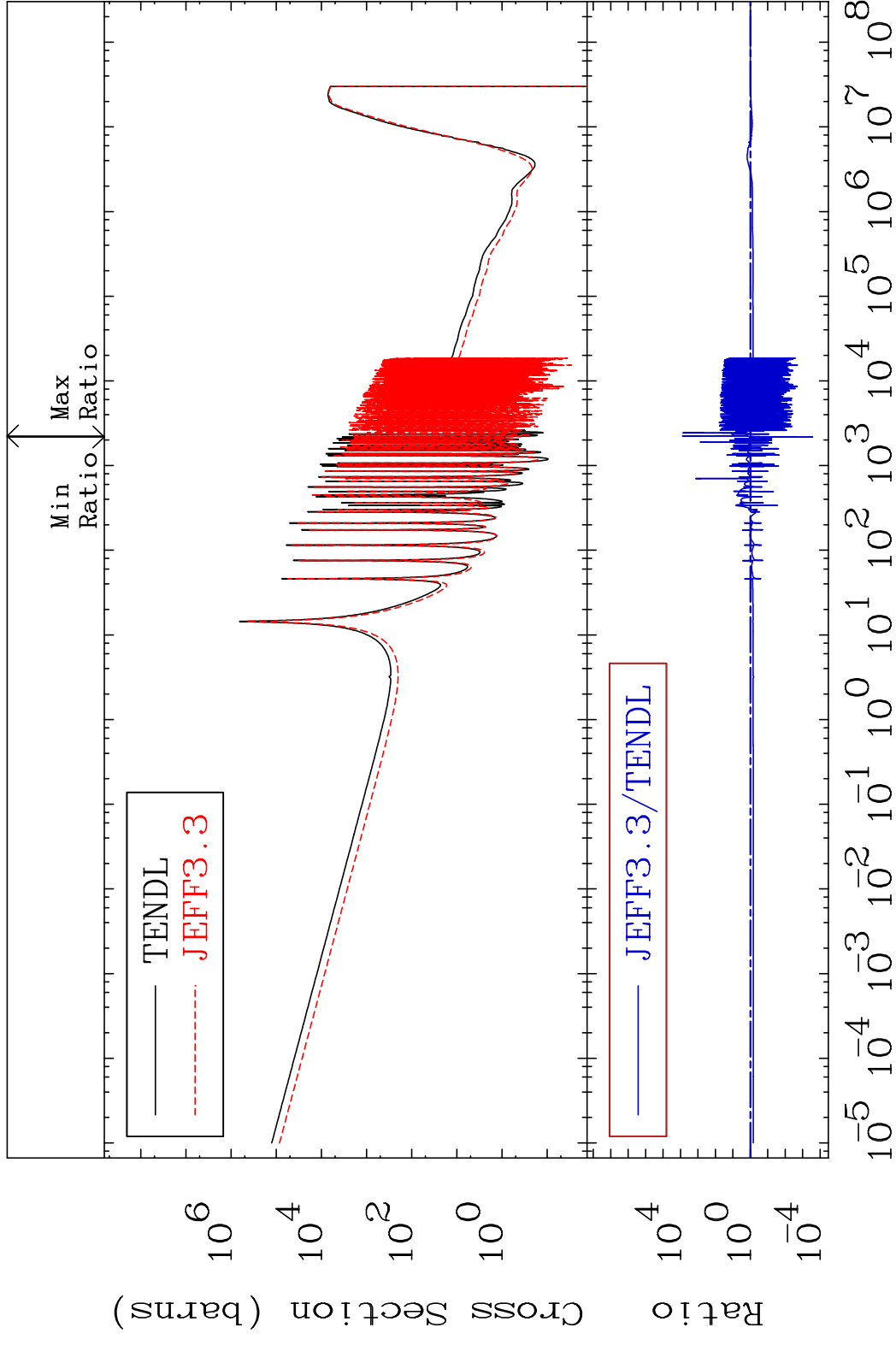
Incident Energy (eV)

54-Xe-131

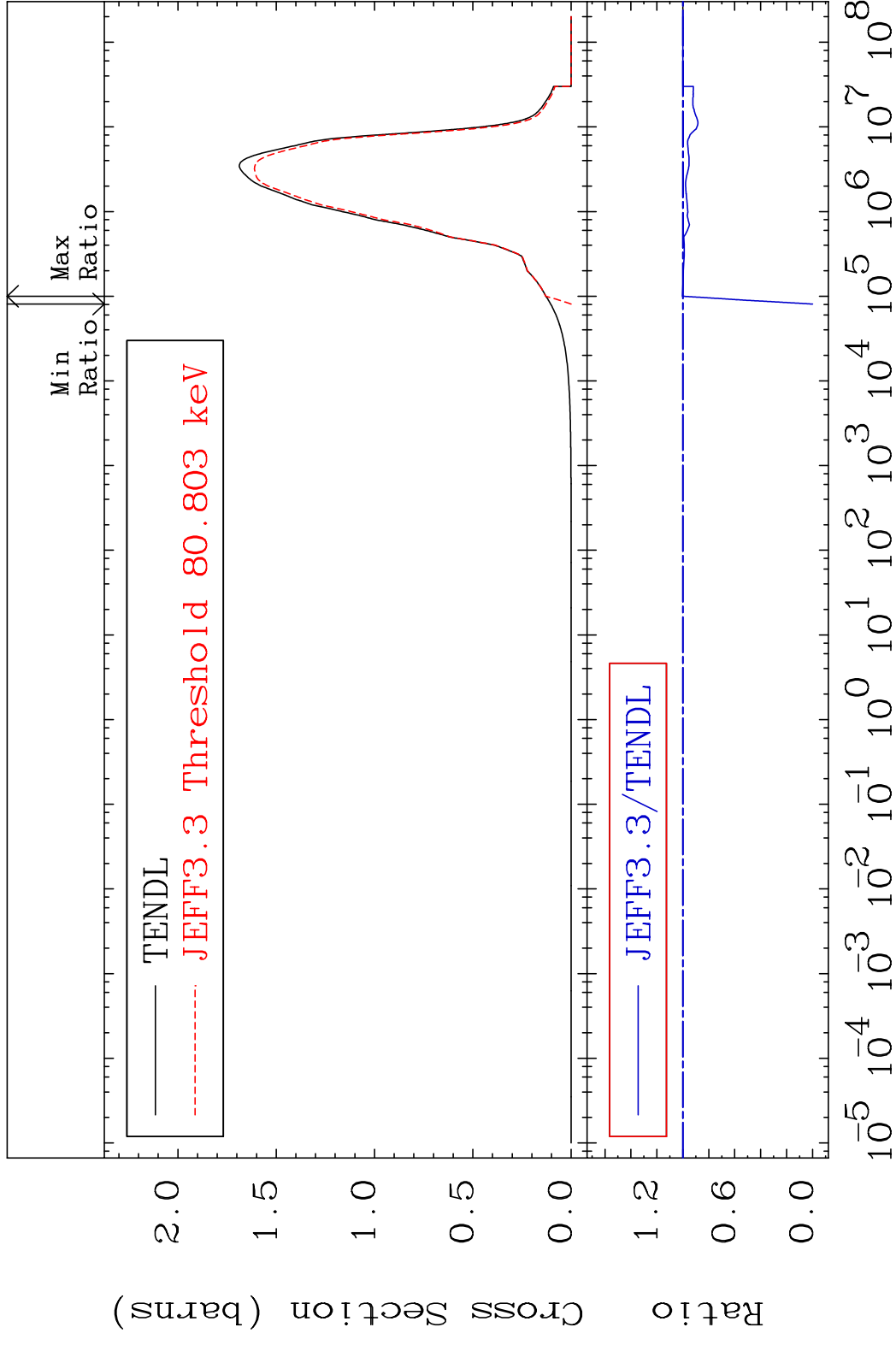
MAT 5446 Dpa inelastic (mt51-91) 54-Xe-131
 Cross Section -100.0 To 0.760 %



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

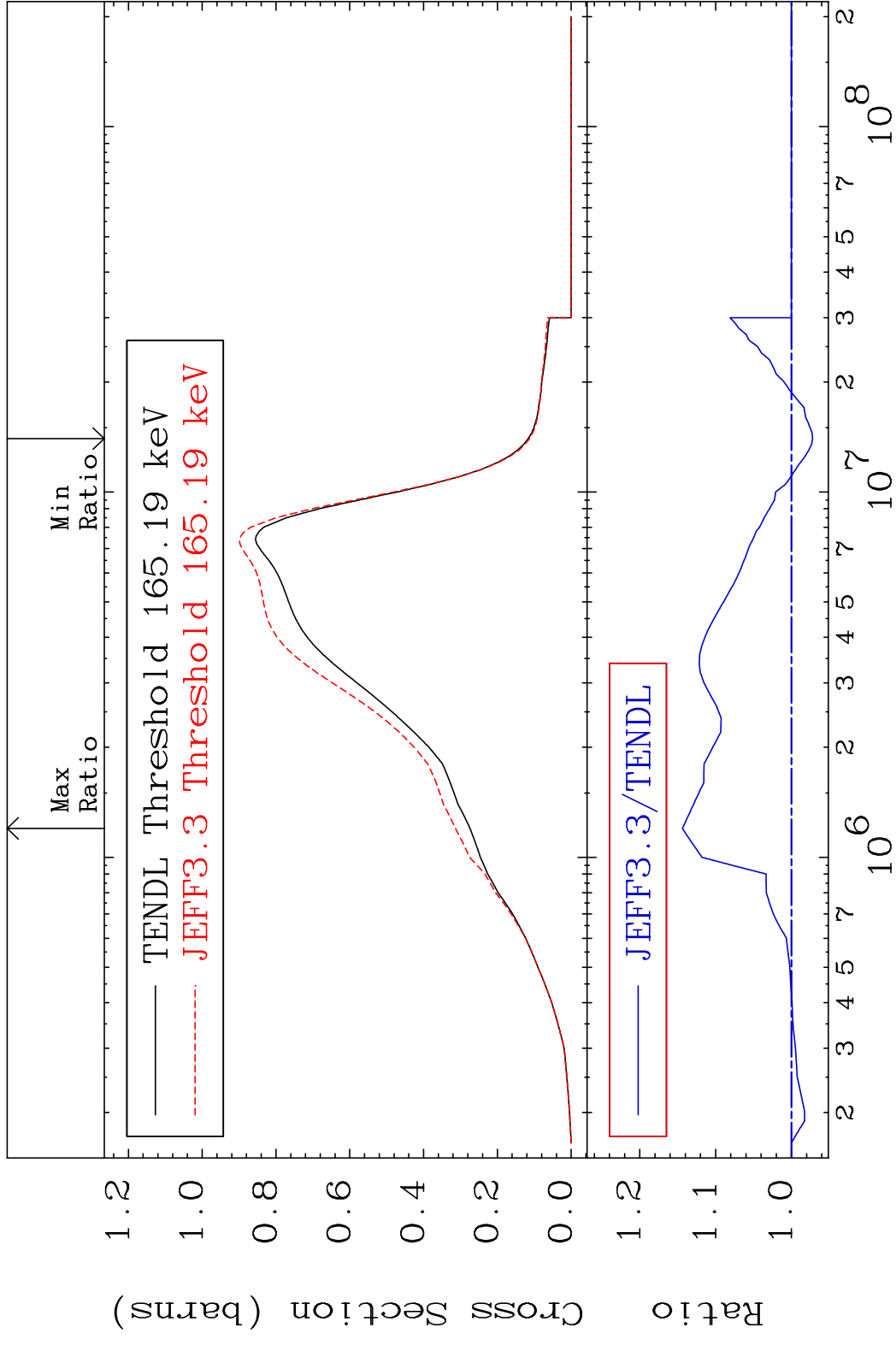


MAT 5446 Inelastic:54-Xe-131g 54-Xe-131
 Radionuclide Production Cross Section Ratio 0.357 %

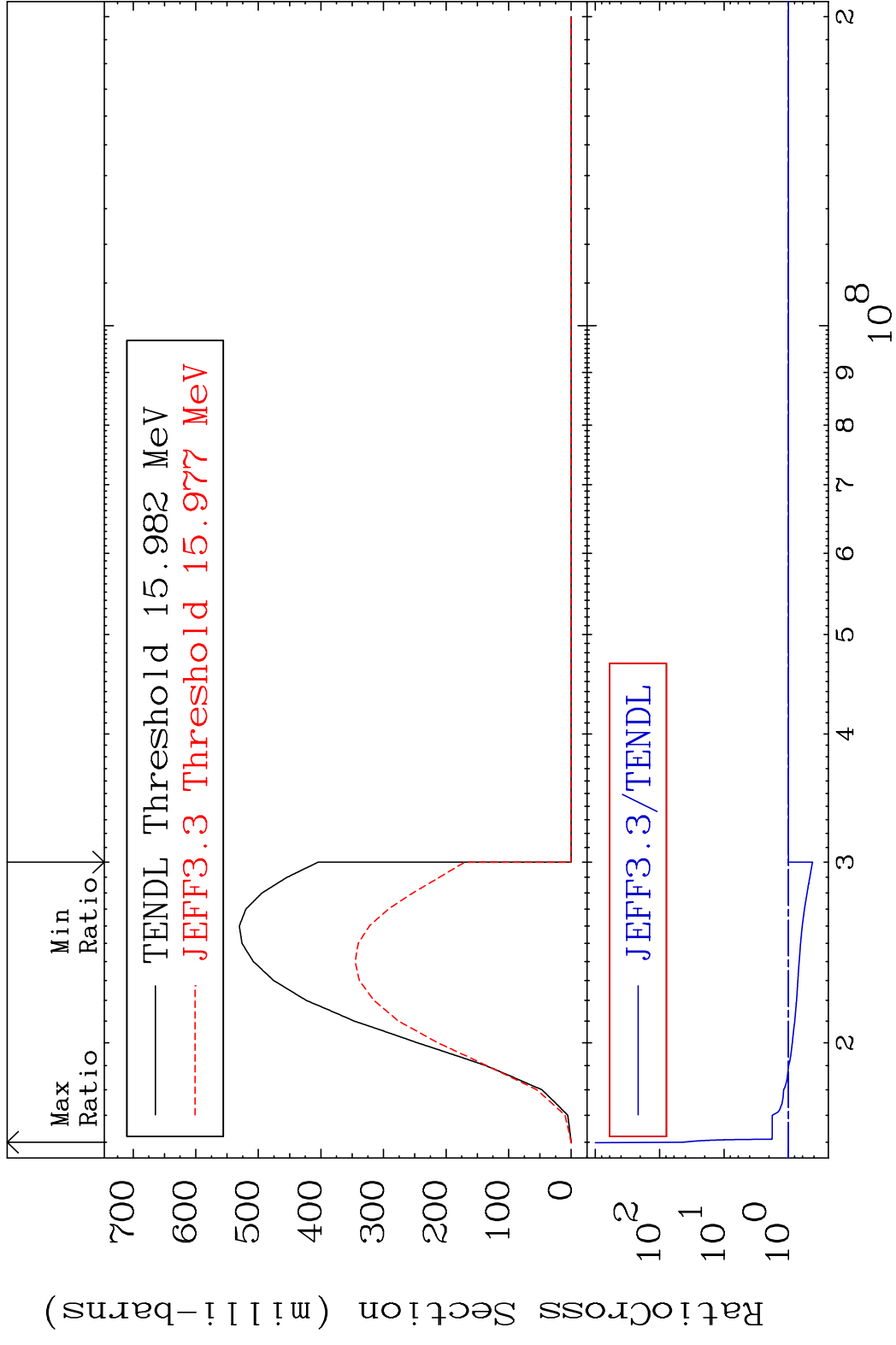


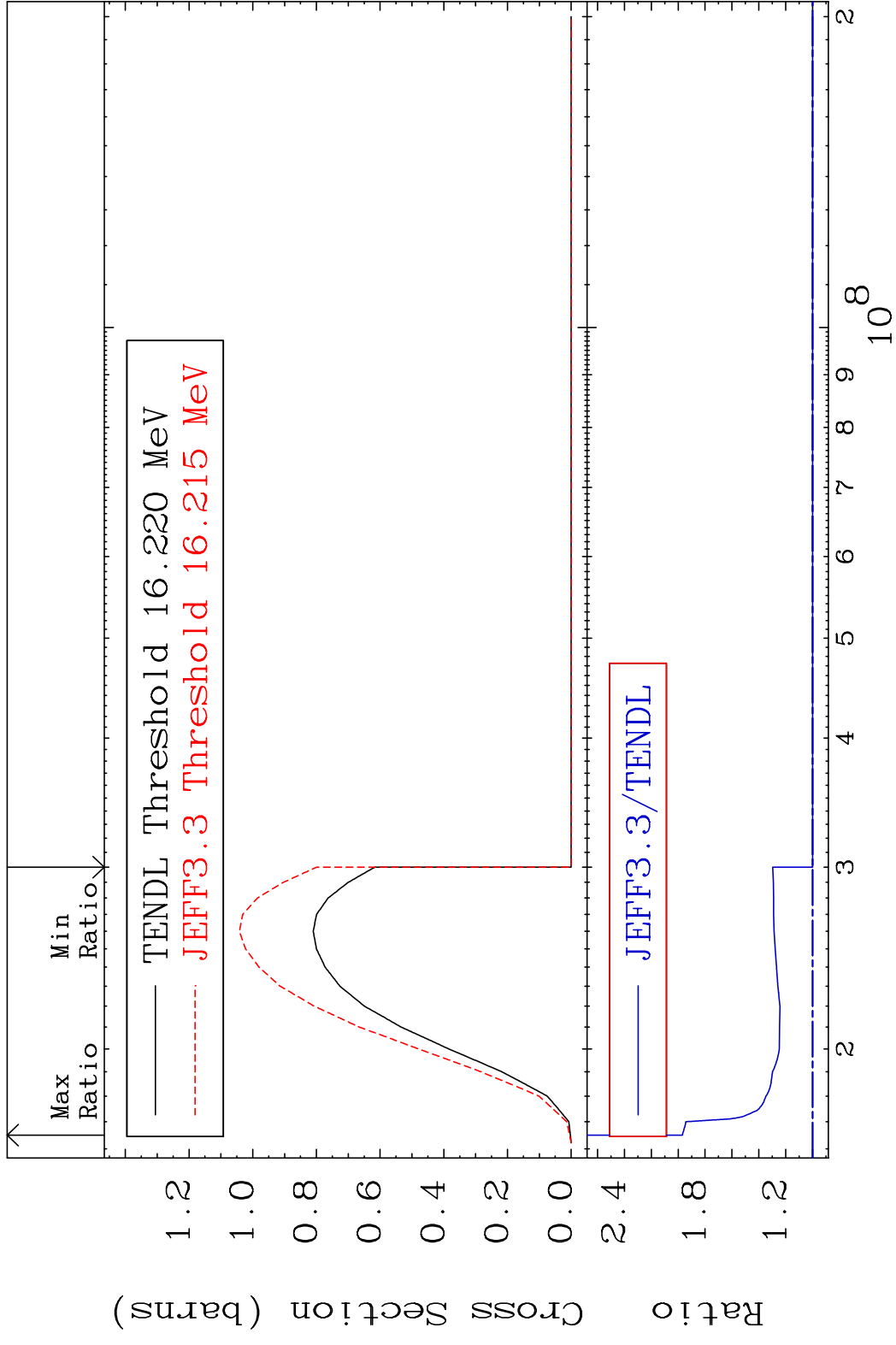
73 Incident Energy (eV) 54-Xe-131

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

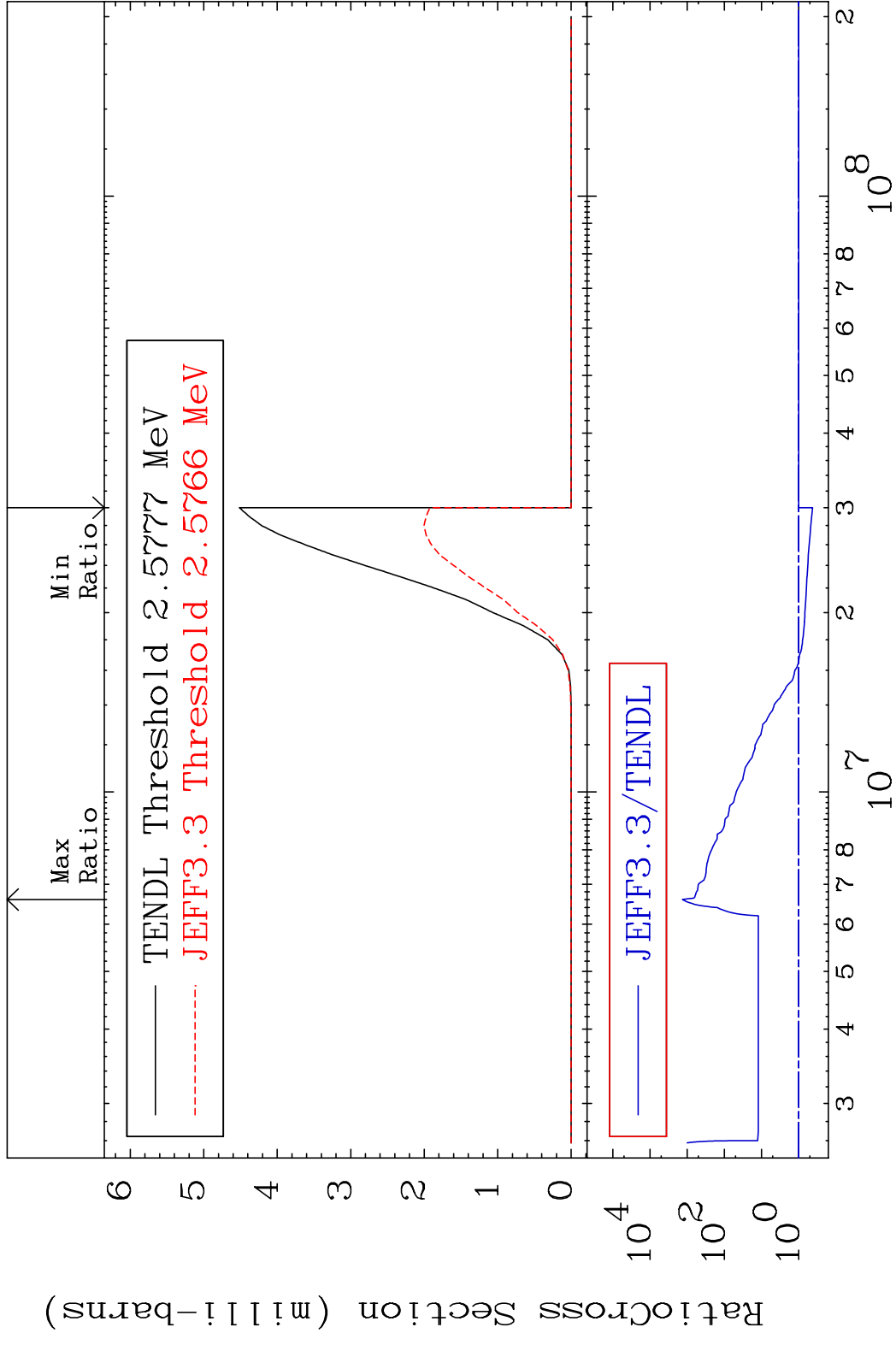


MAT 5446 (n,3n):54-Xe-129g 54-Xe-131
 Radionuclide Production Cross Section 5446 to 4342. %

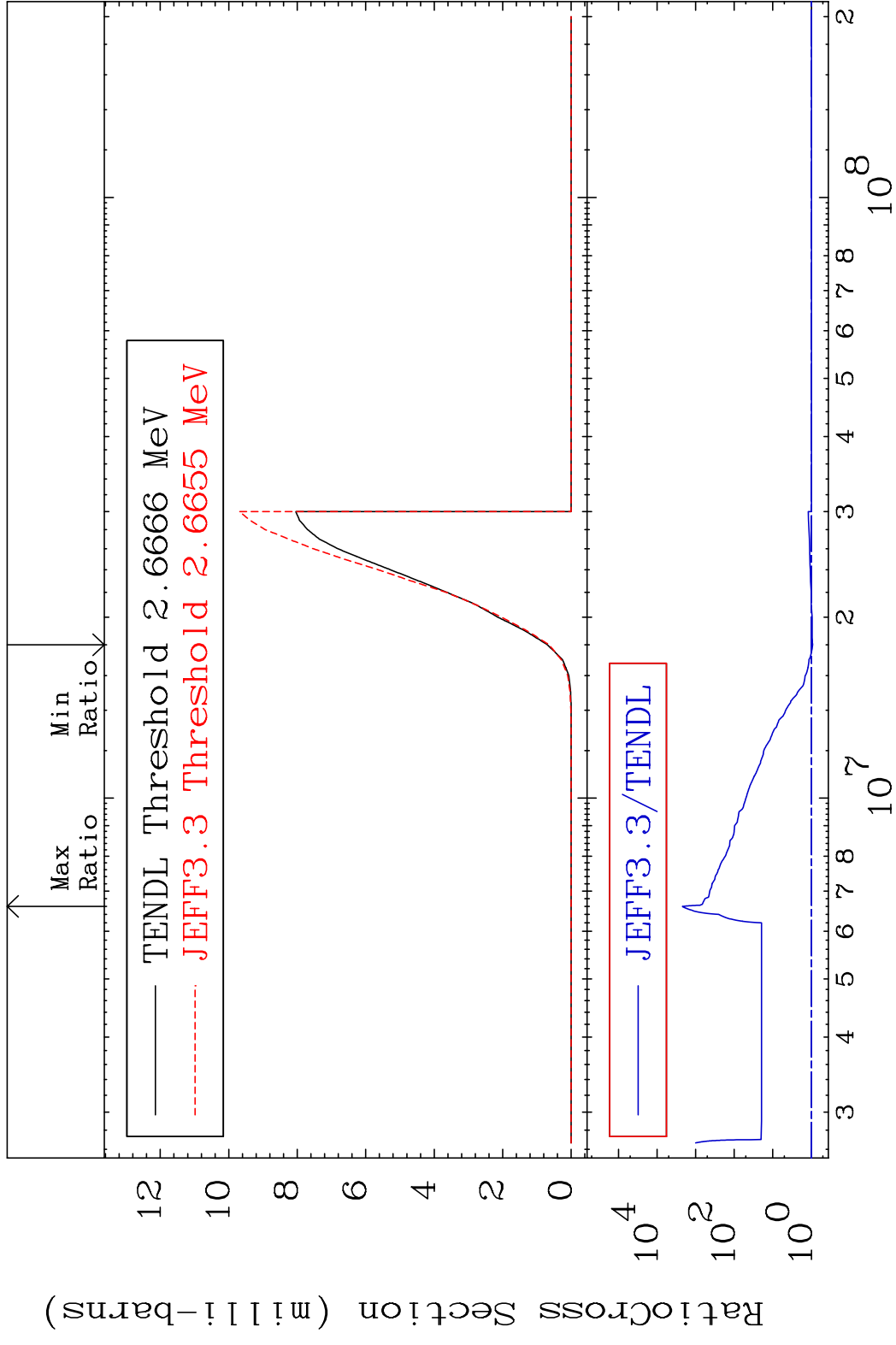


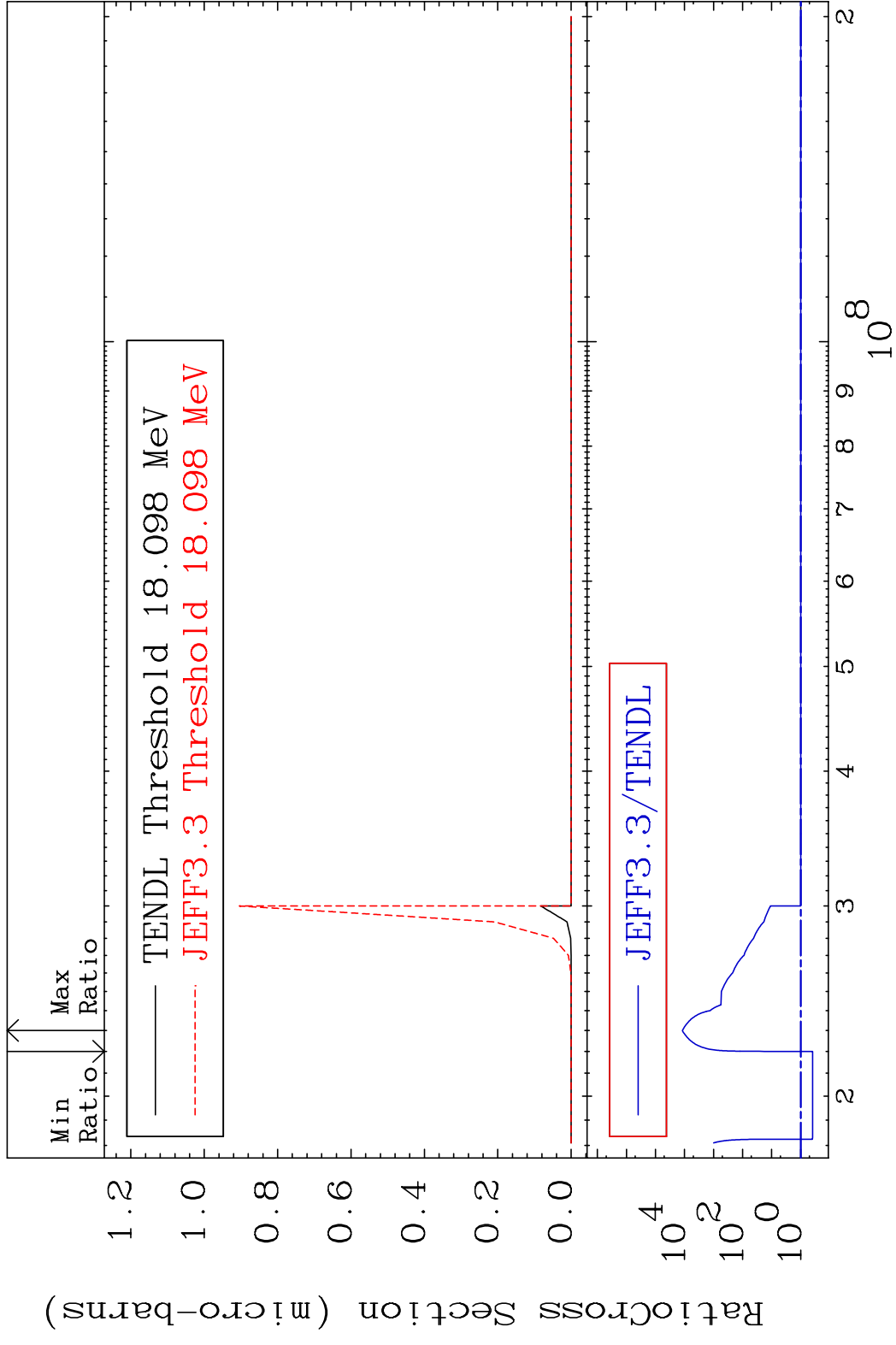


MAT 5446 (n, n') α :52-Te-127g 54-Xe-131
 Radionuclide Production Cross Section 5446 to 9999. %

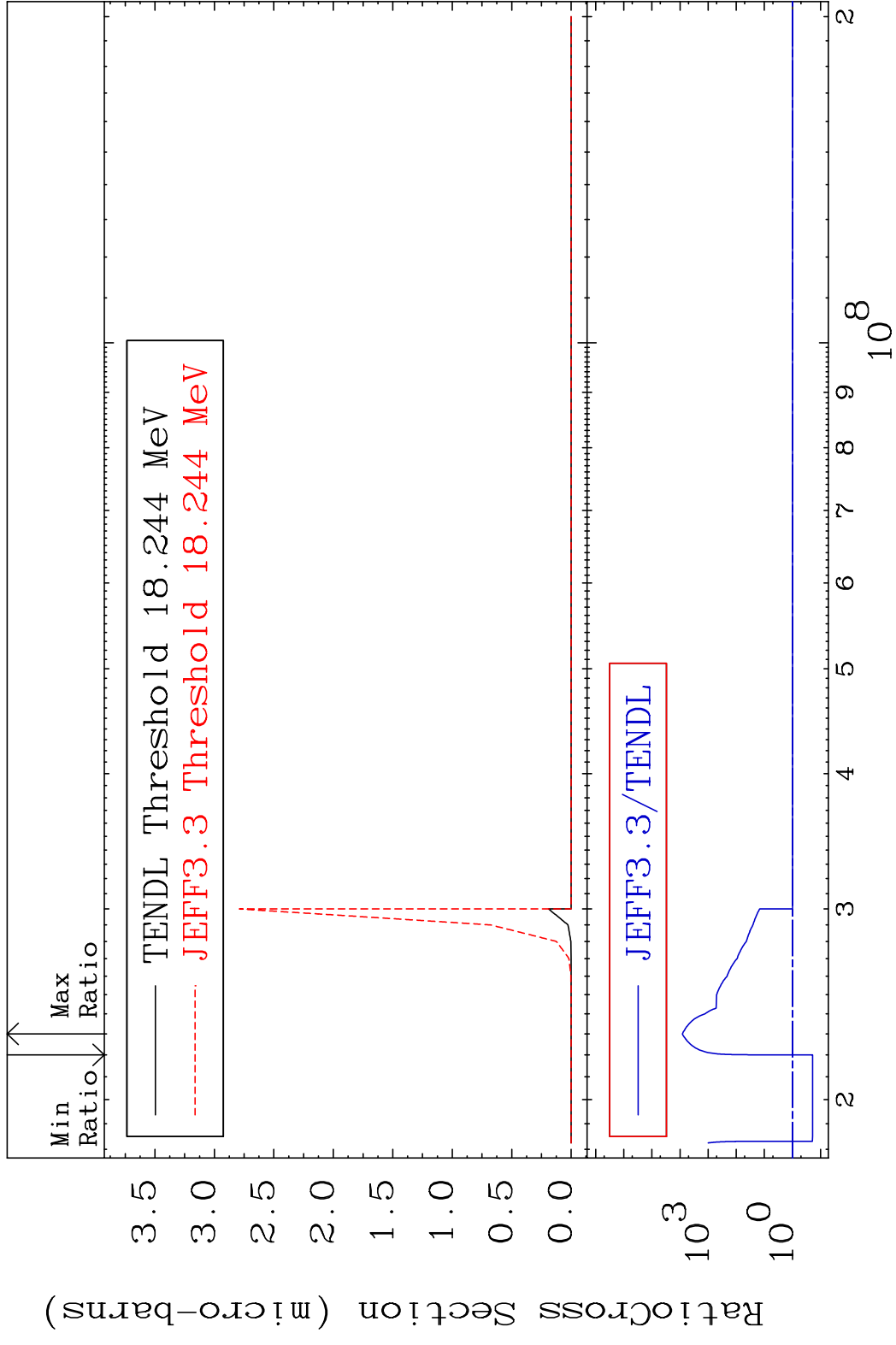


MAT 5446 (n, n') α :52-Te-127m2 54-Xe-131
 Radionuclide Production Cross Section to 9999. %

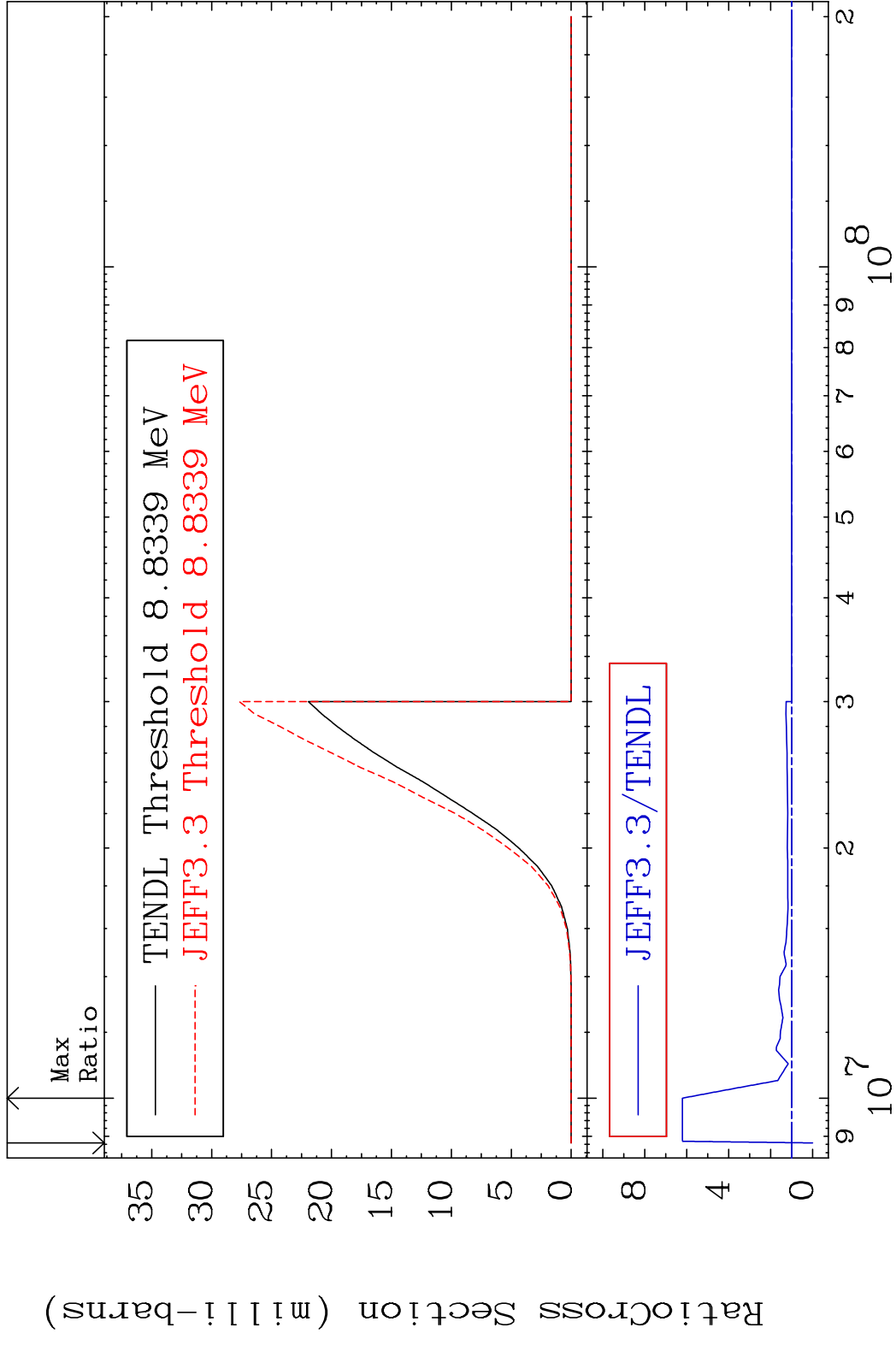




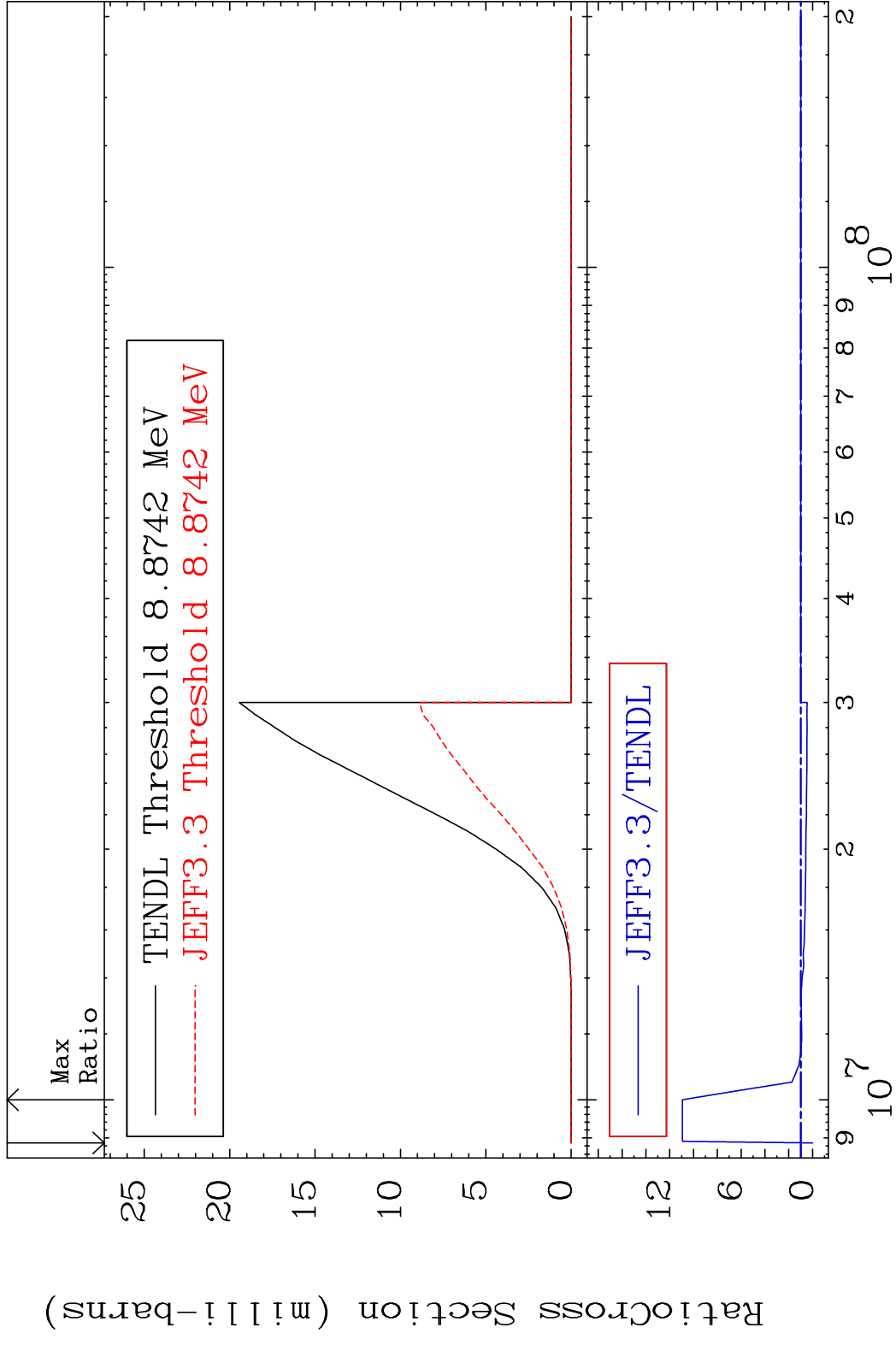
MAT 5446 (n,3n) α :52-Te-125m2 54-Xe-131
 Radionuclide Production Cross Section to 9999. %

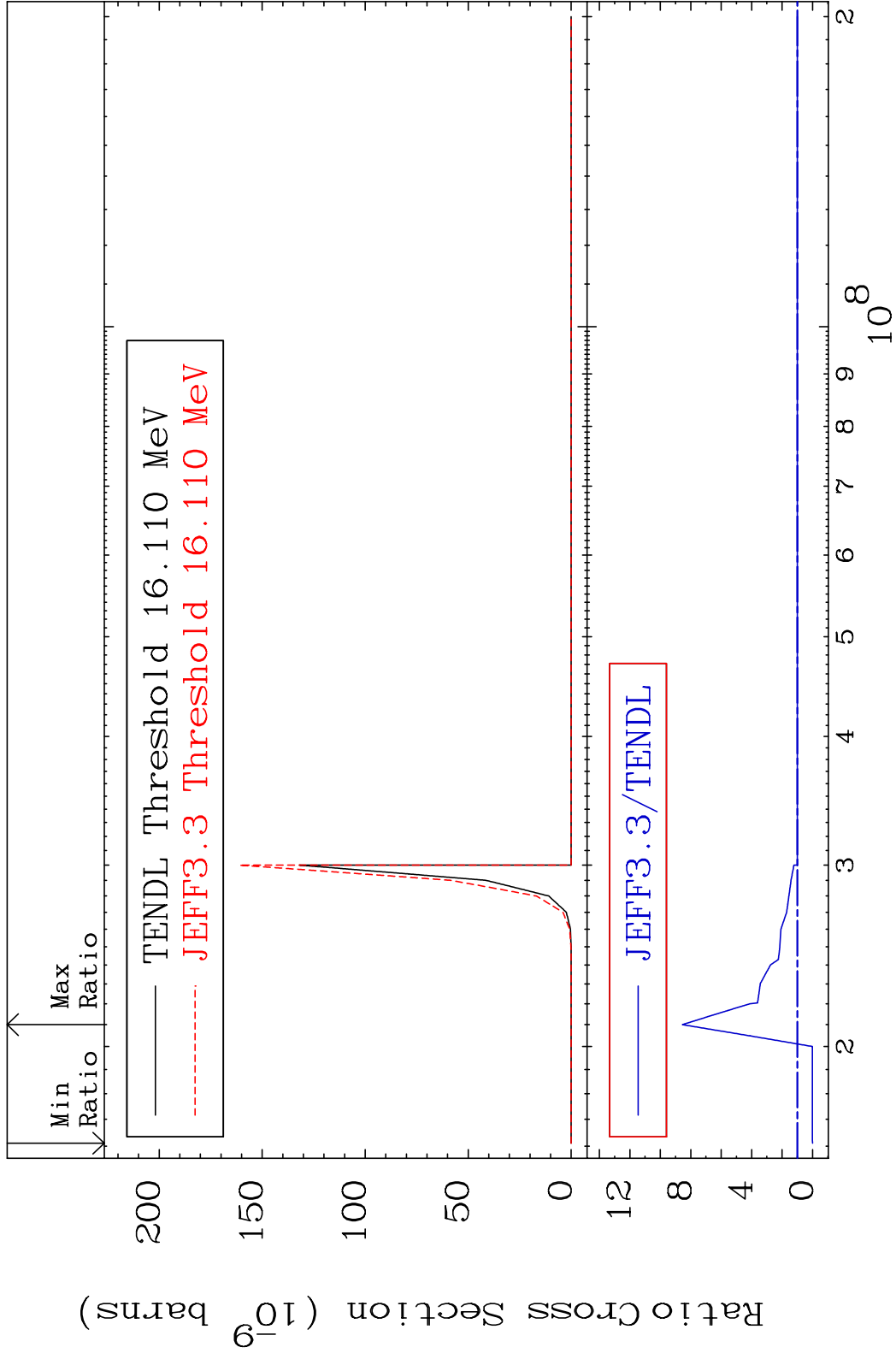


MAT 5446 (n, n') p:53-I -130g 54-Xe-131
 Radionuclide Production Cross Section 180.0 dth 520.7 %

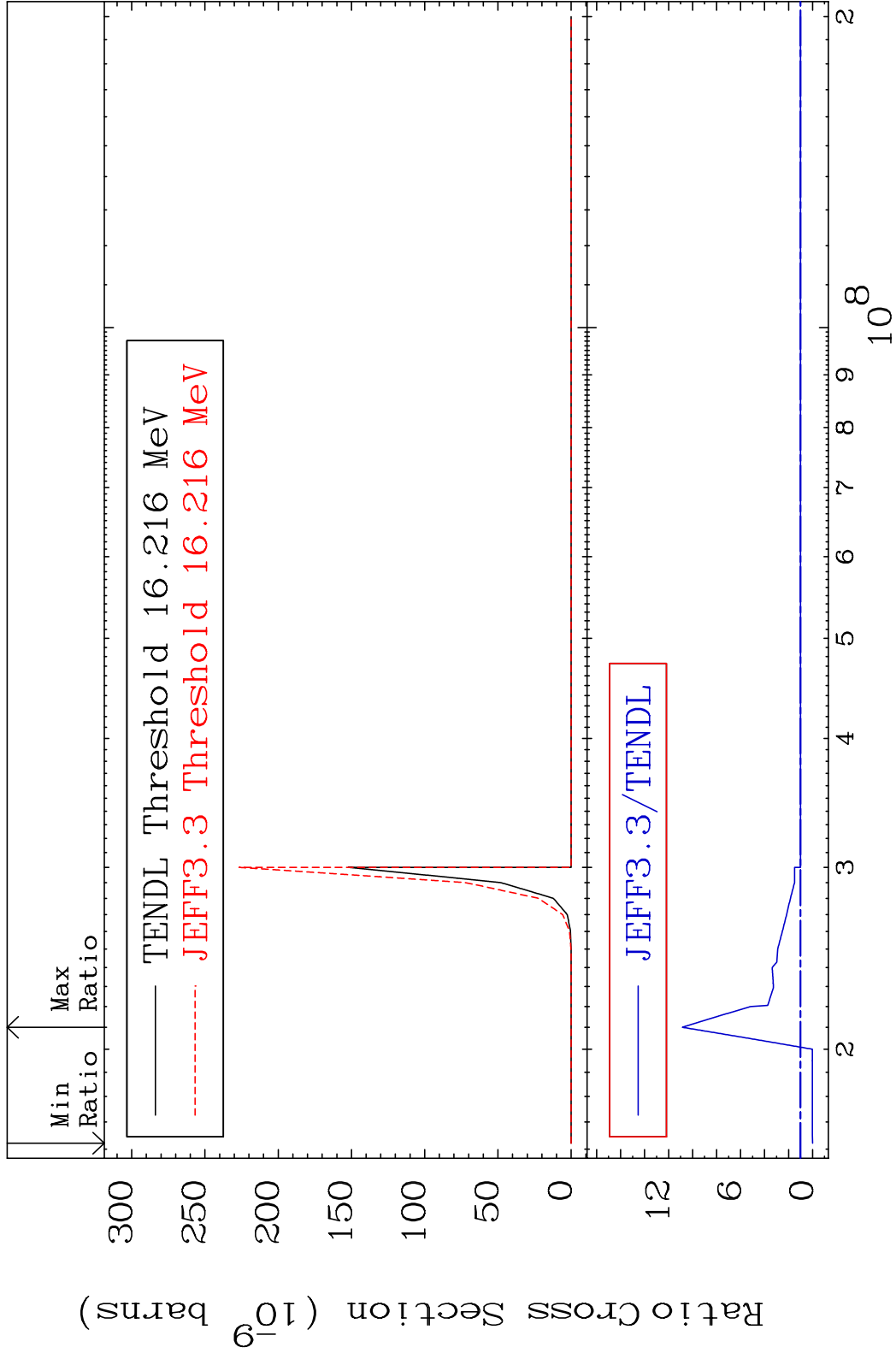


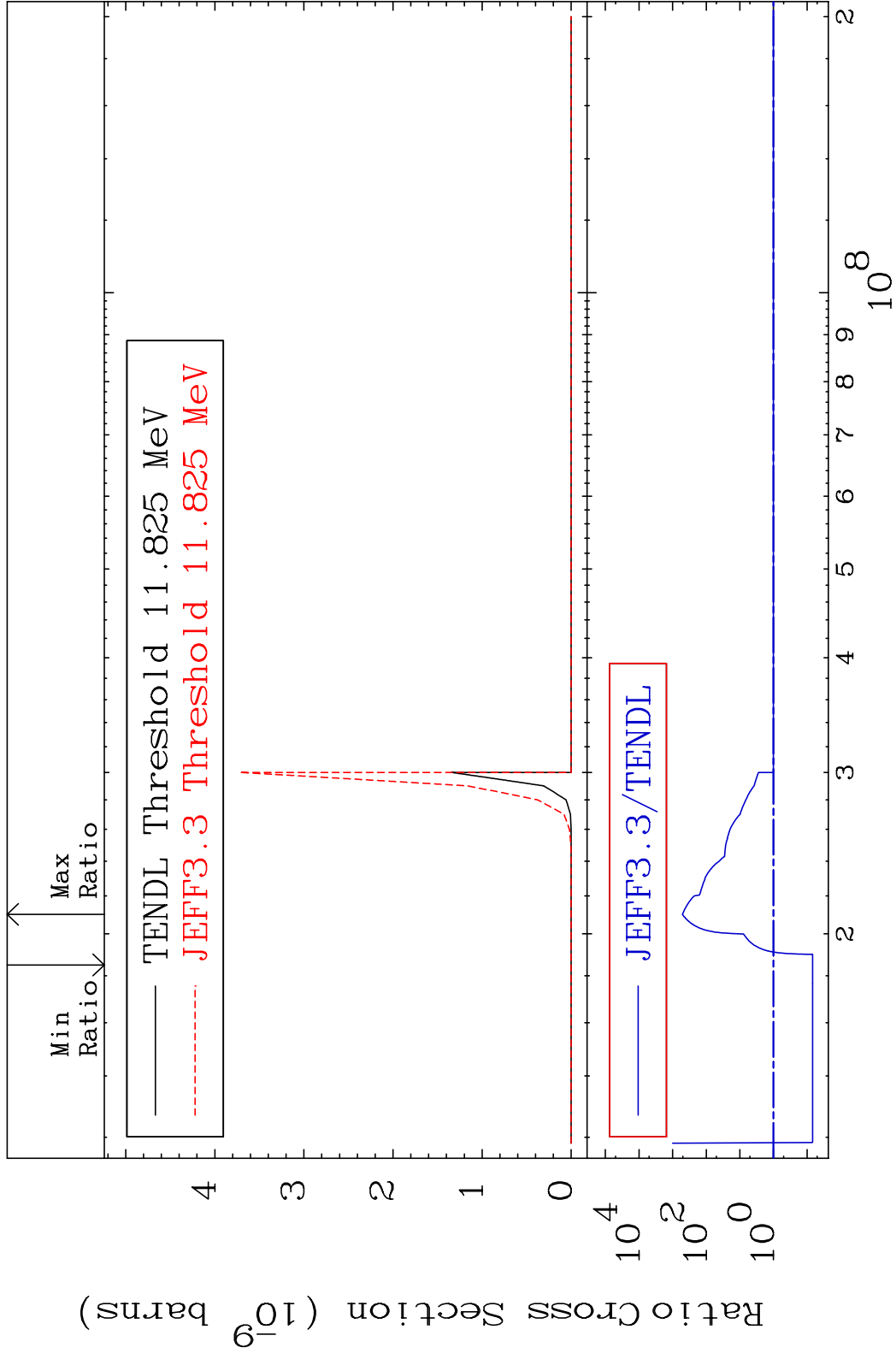
MAT 5446 (n, n') p:53-I -130m1 54-Xe-131
 Radionuclide Production Cross Section Ratio 993.8 %

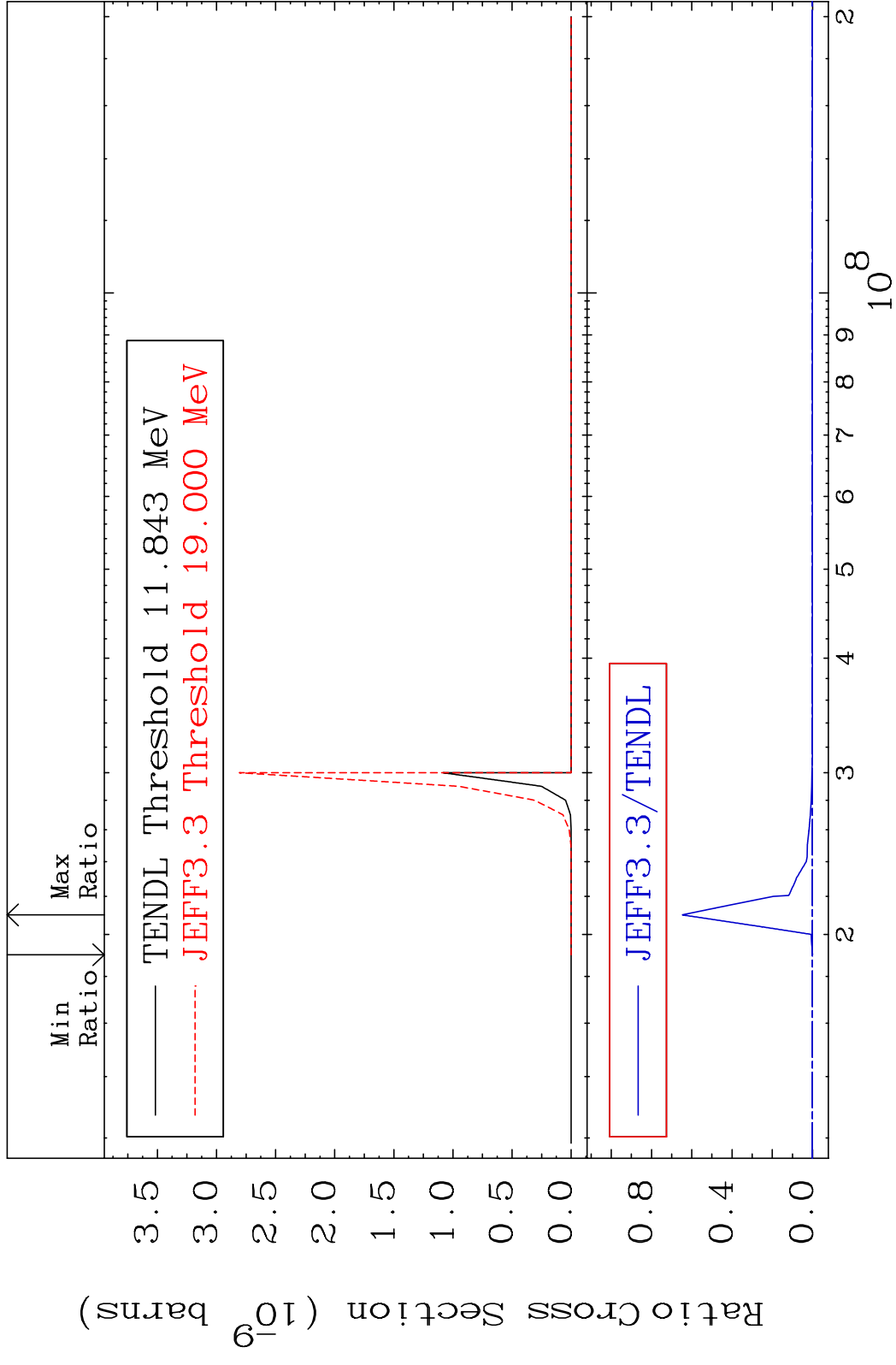




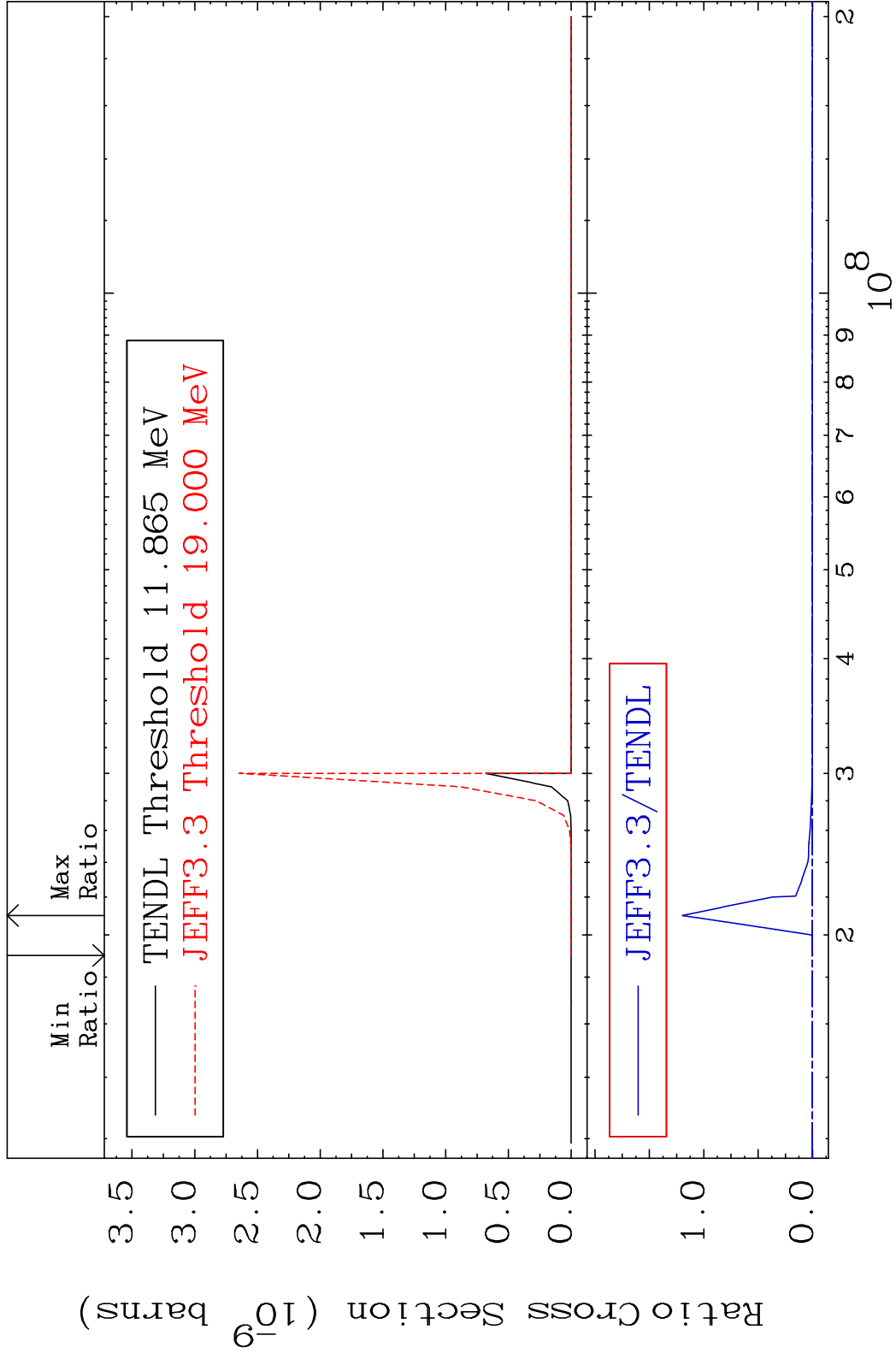
MAT 5446 (n,2n) p:52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 985.3 %



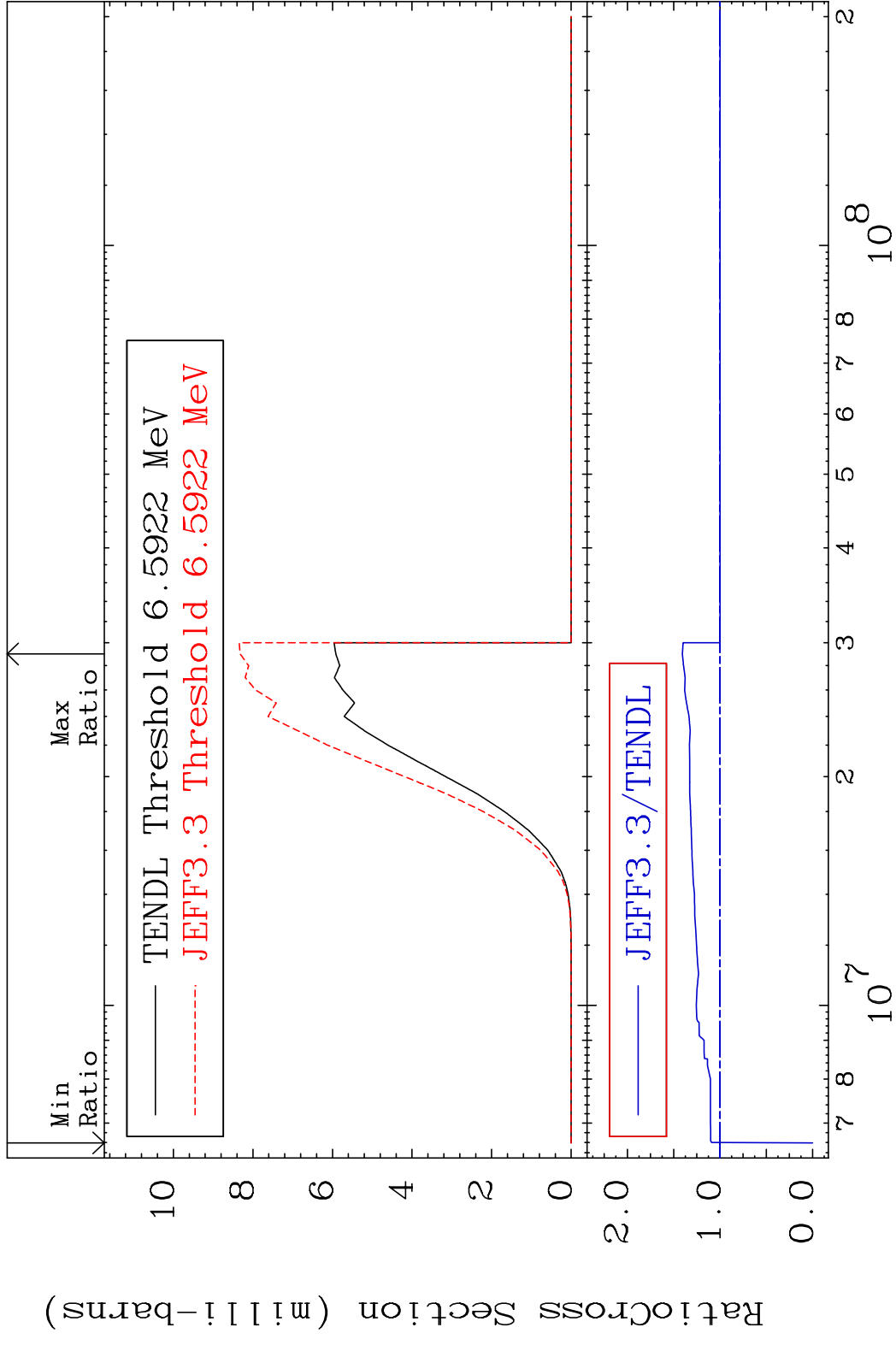




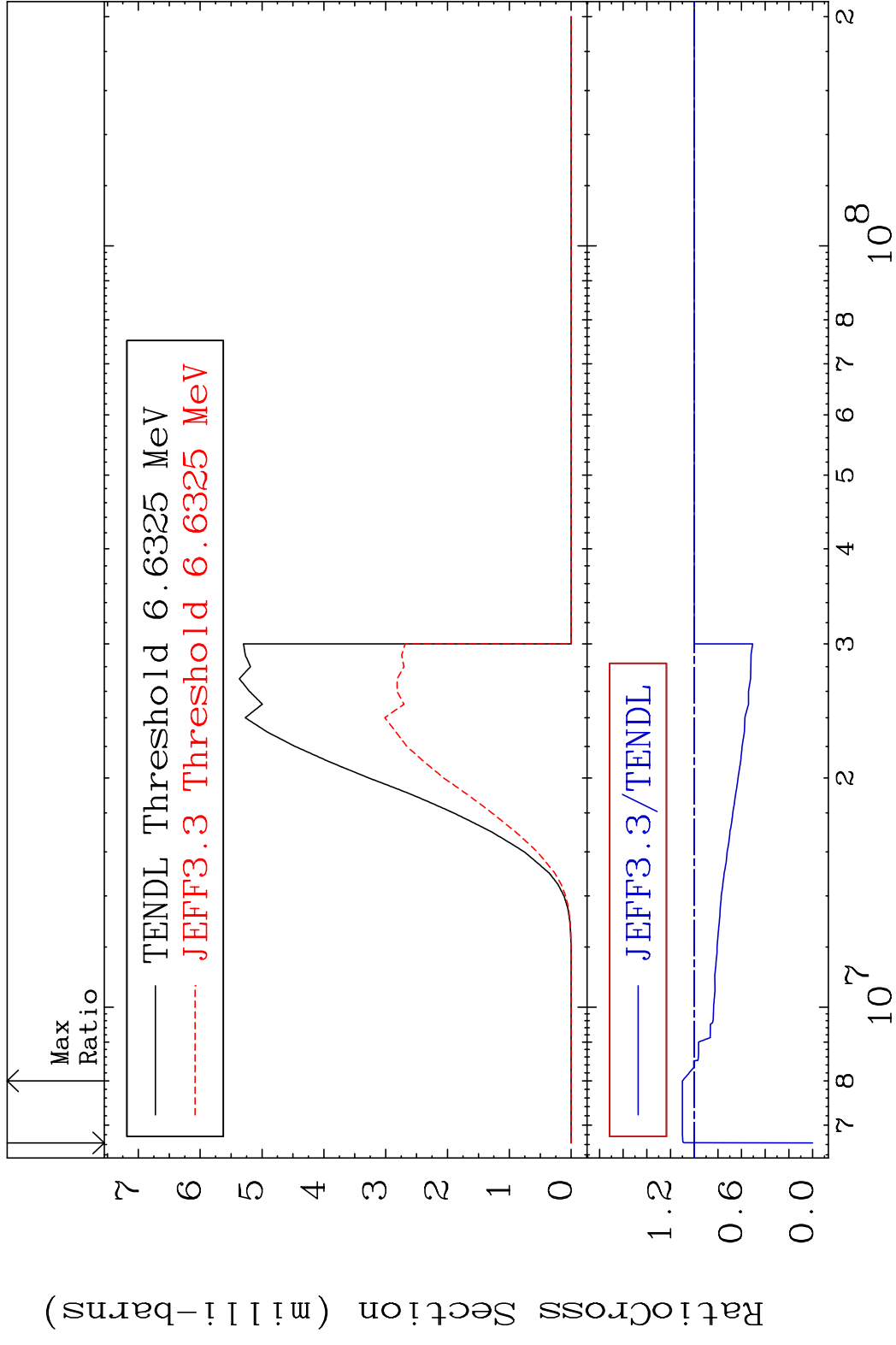
MAT 5446 (n, n') p α :51-Sb-126m2 54-Xe-131
 Radionuclide Production Cross Section Ratio 9999. %



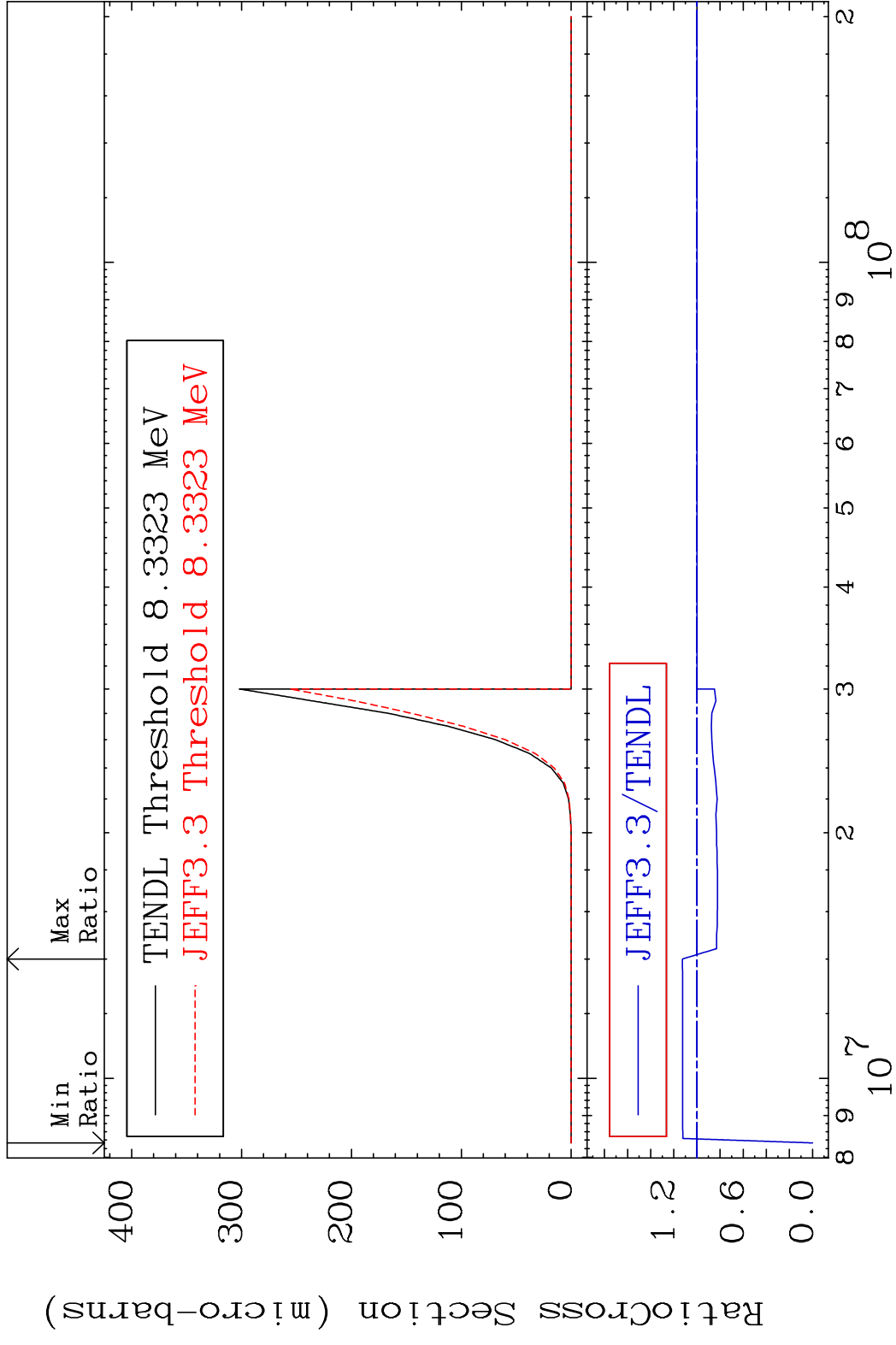
MAT 5446 (n, d):53-I -130g 54-Xe-131
 Radionuclide Production Cross Section 40.64 %



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

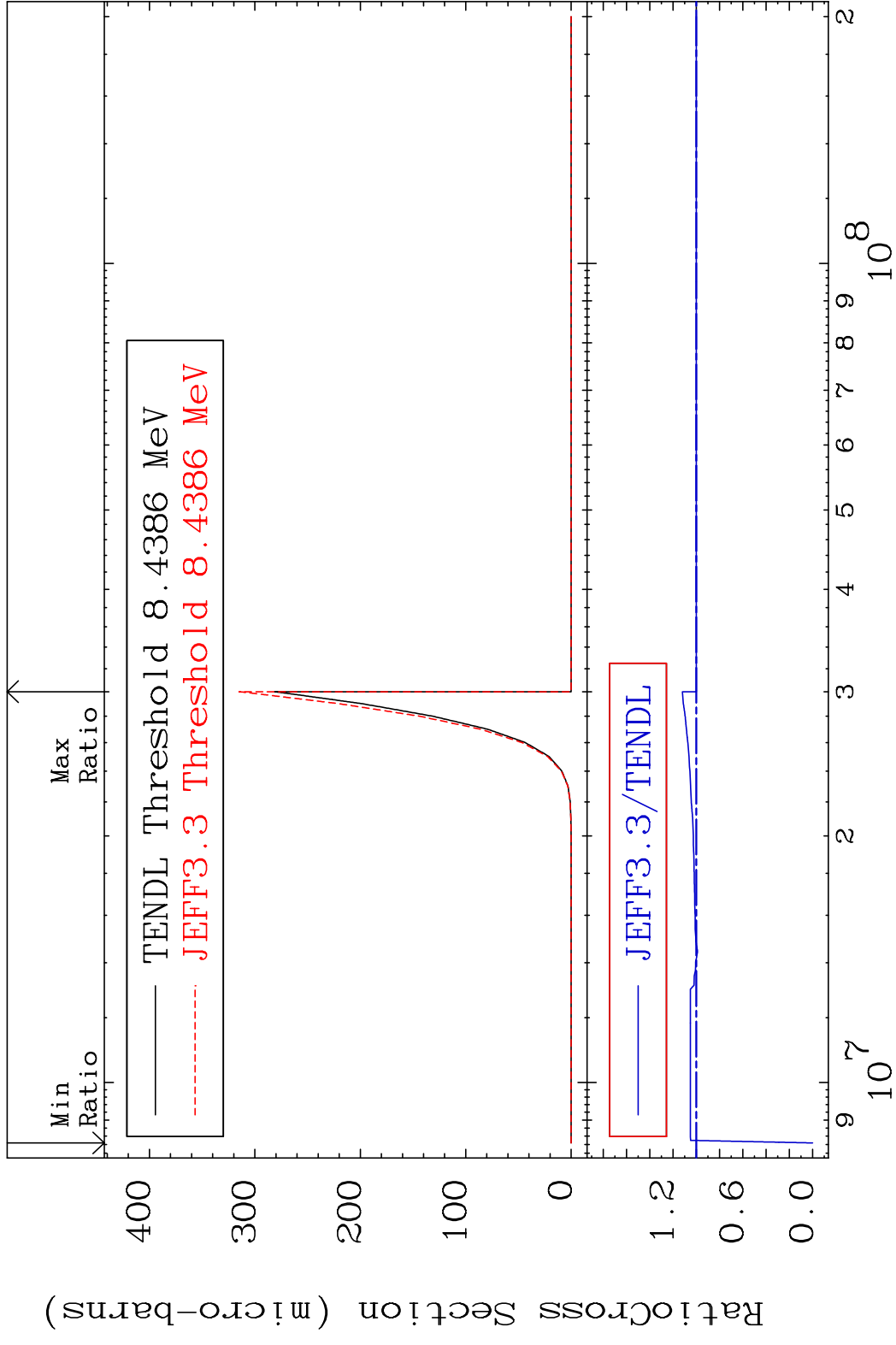


MAT 5446 (n, He-3): 52-Te-129g 54-Xe-131
 Radionuclide Production Cross Section 180.01 dth 12.60 %

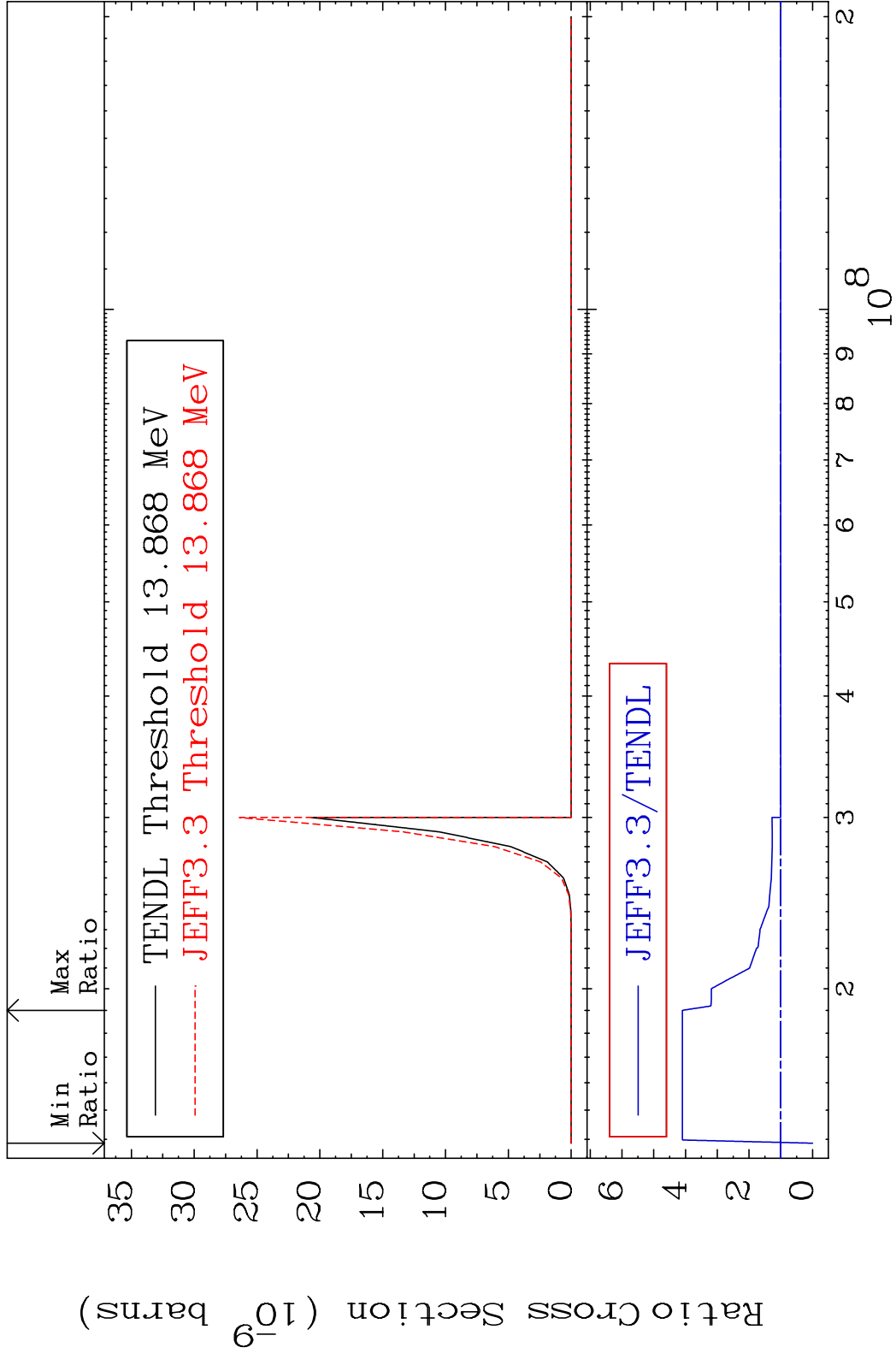


90 Incident Energy (eV) 54-Xe-131

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 %



MAT 5446 (n, p) d:52-Te-129m1 54-Xe-131
 Radionuclide Production Cross Section Ratio 405.1 %

