

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

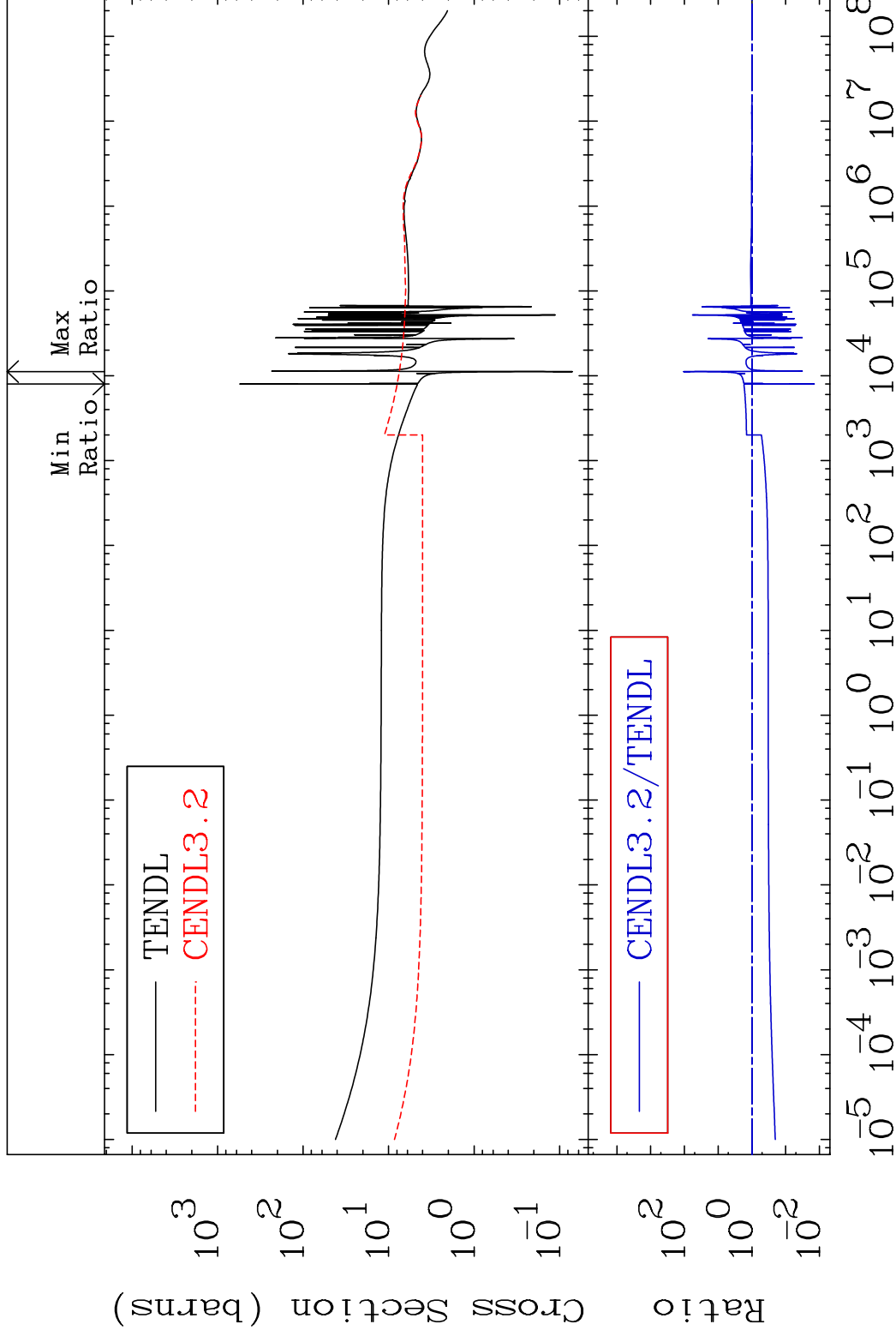
MAT 5067

Total

50-Sn-126

Cross Section

-98.56 To 9999. %



1

Incident Energy (eV)

50-Sn-126

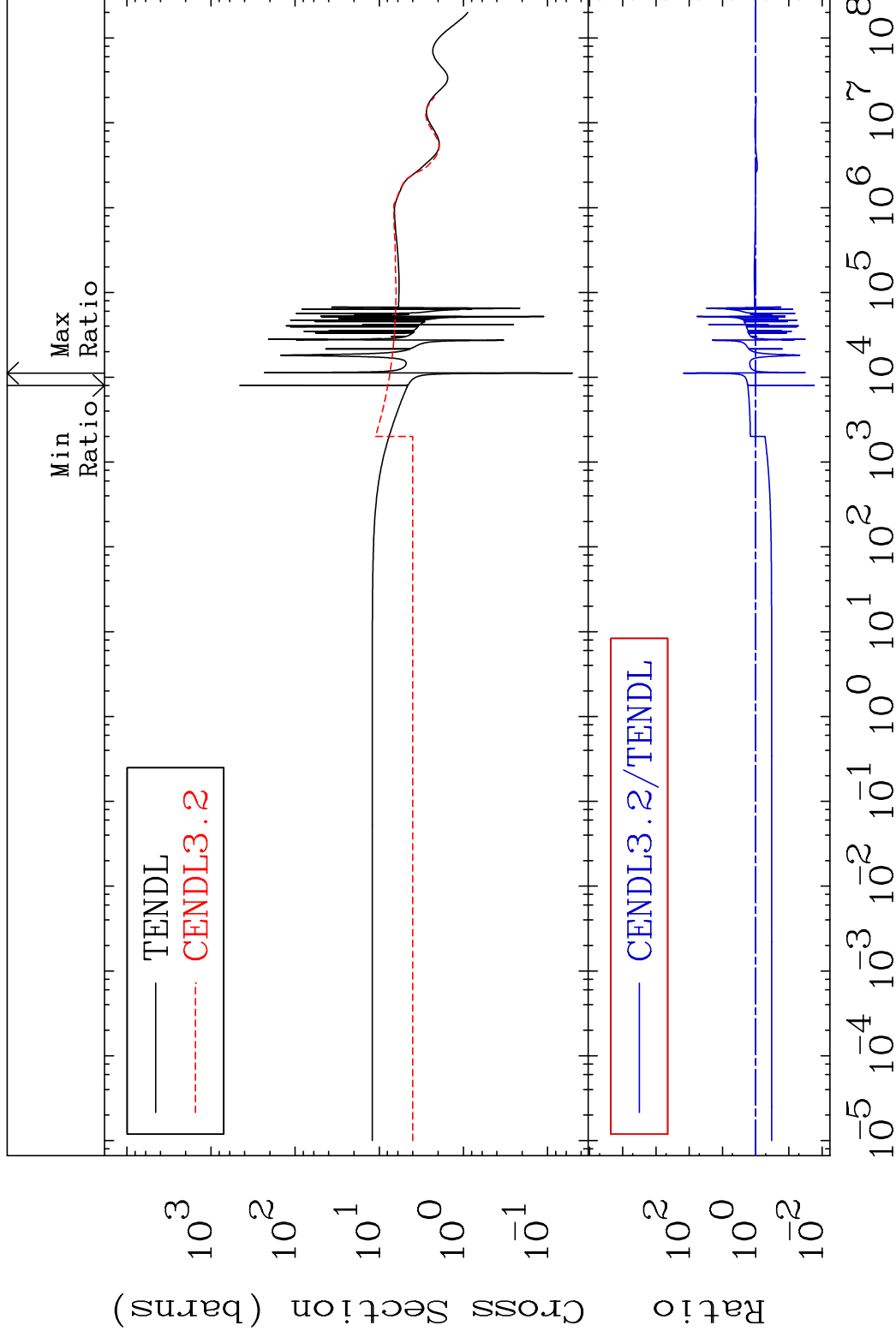
MAT 5067

Elastic

50-Sn-126

Cross Section

-98.26 To 9999. %

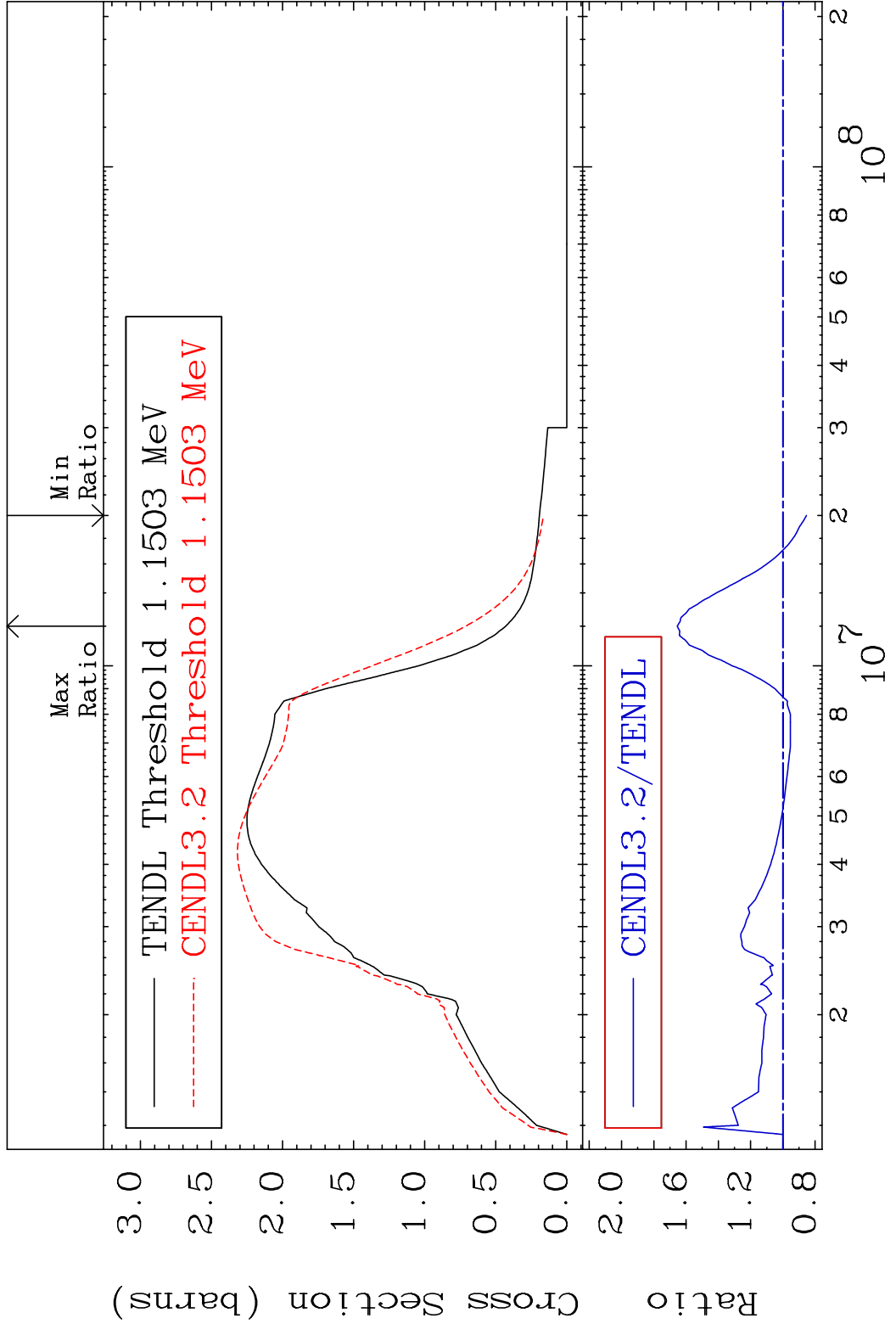


2

Incident Energy (eV)

50-Sn-126

MAT 5067 Inelastic 50-Sn-126
 Cross Section -14.58 To 65.51 %

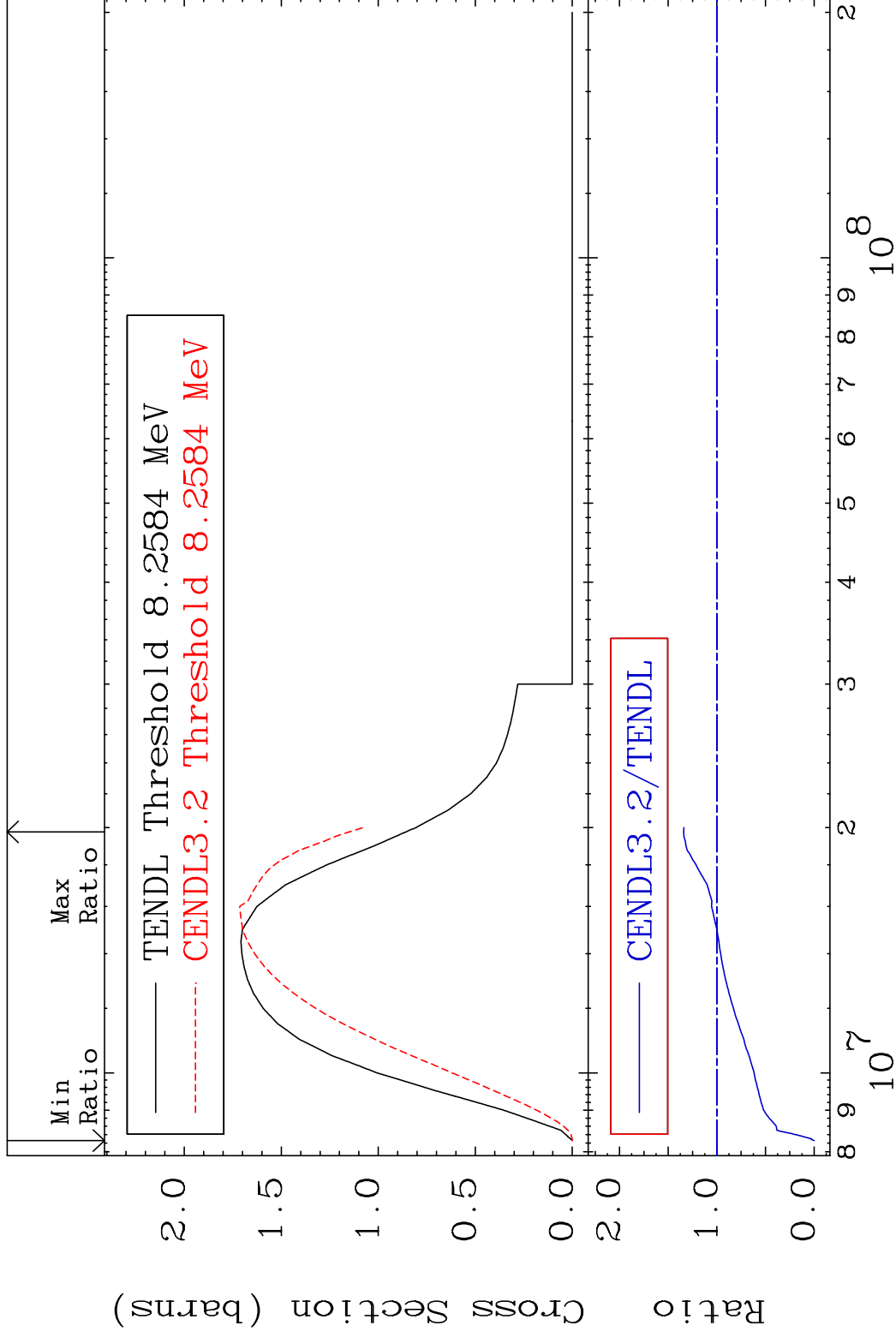


MAT 5067

(n,2n)

50-Sn-126

Cross Section -100.0 To 34.10 %



4

Incident Energy (eV)

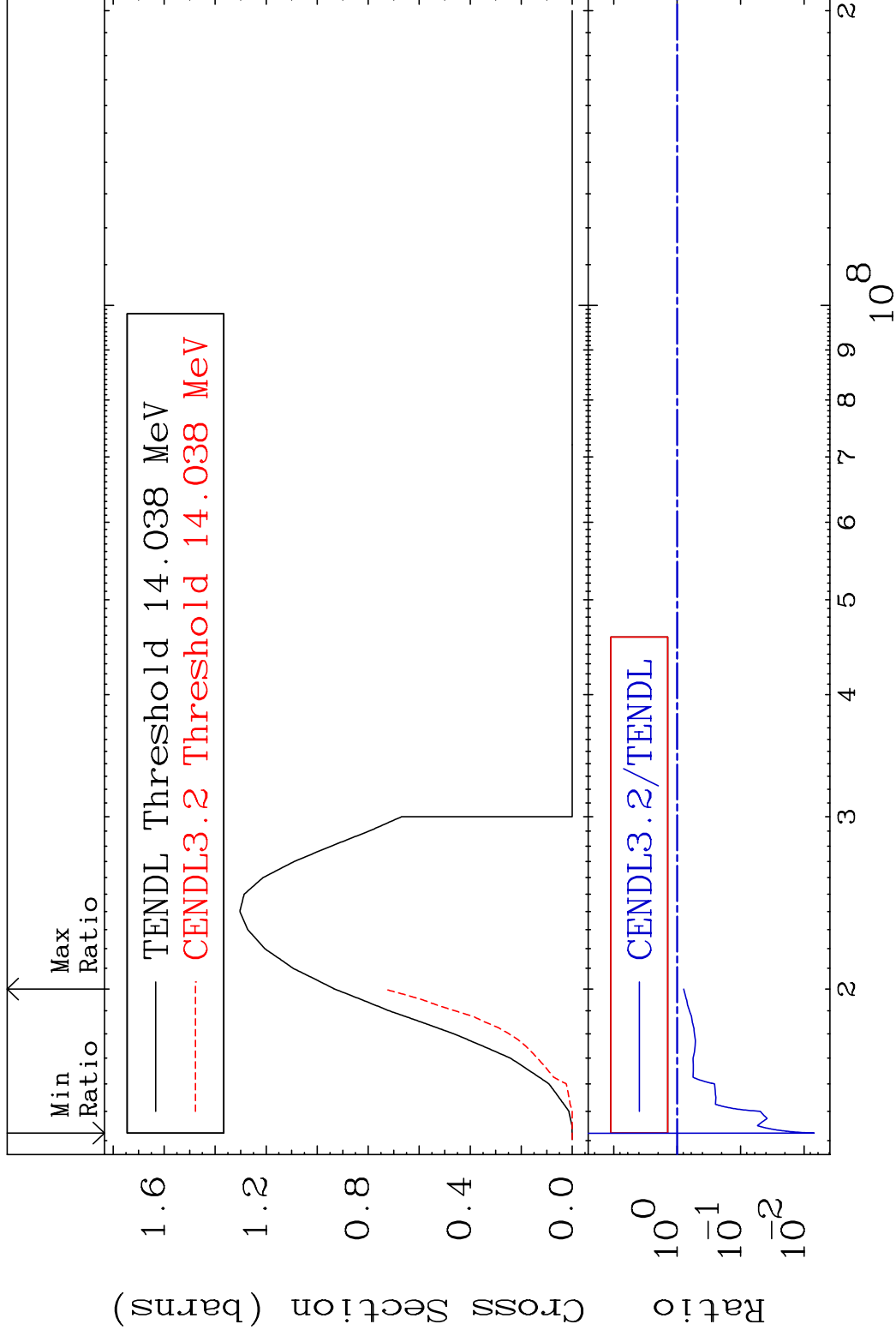
50-Sn-126

MAT 5067

(n,3n)

50-Sn-126

Cross Section -99.31 To -20.95%



5

Incident Energy (eV)

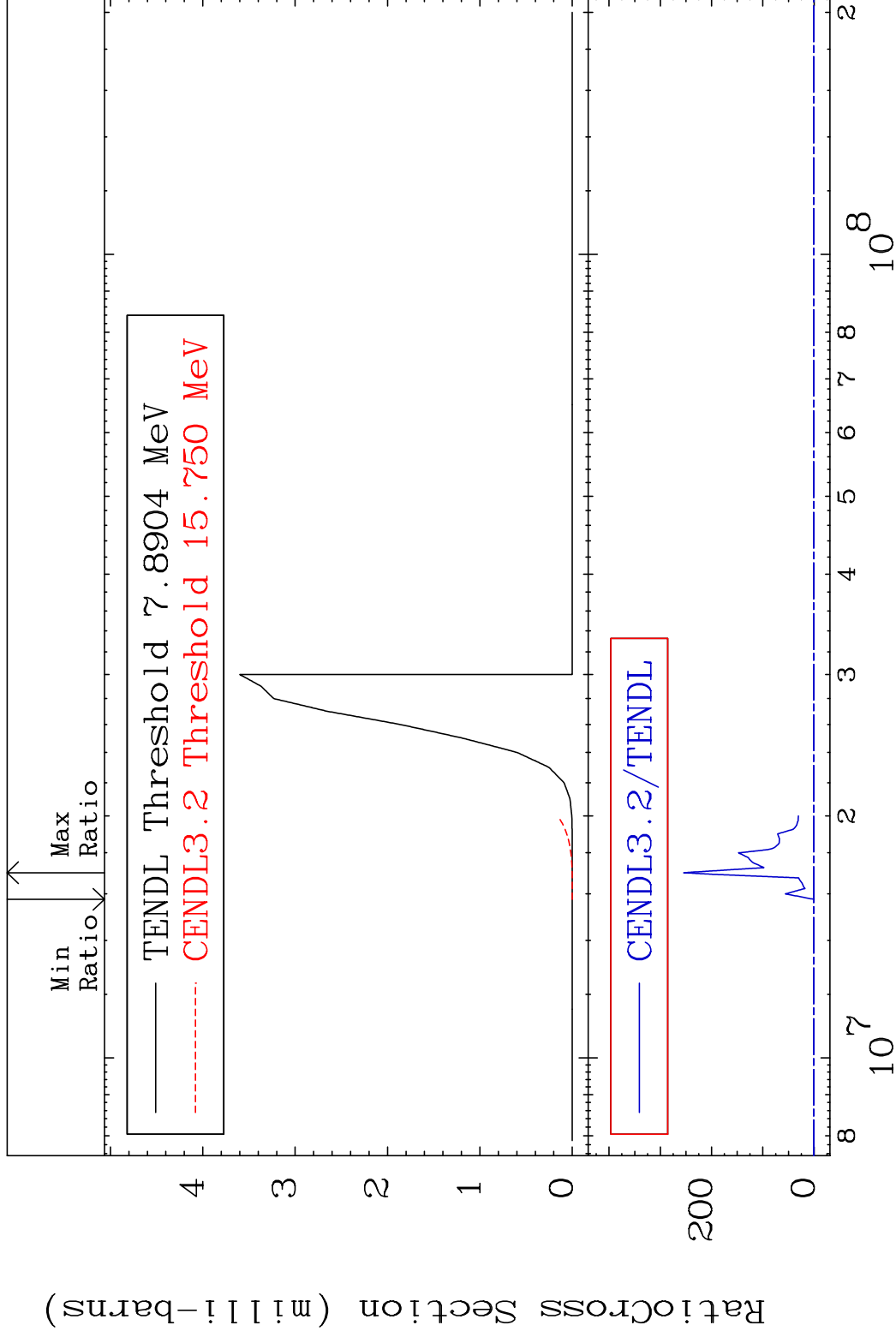
50-Sn-126

MAT 5067

(n, n') α

50-Sn-126

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

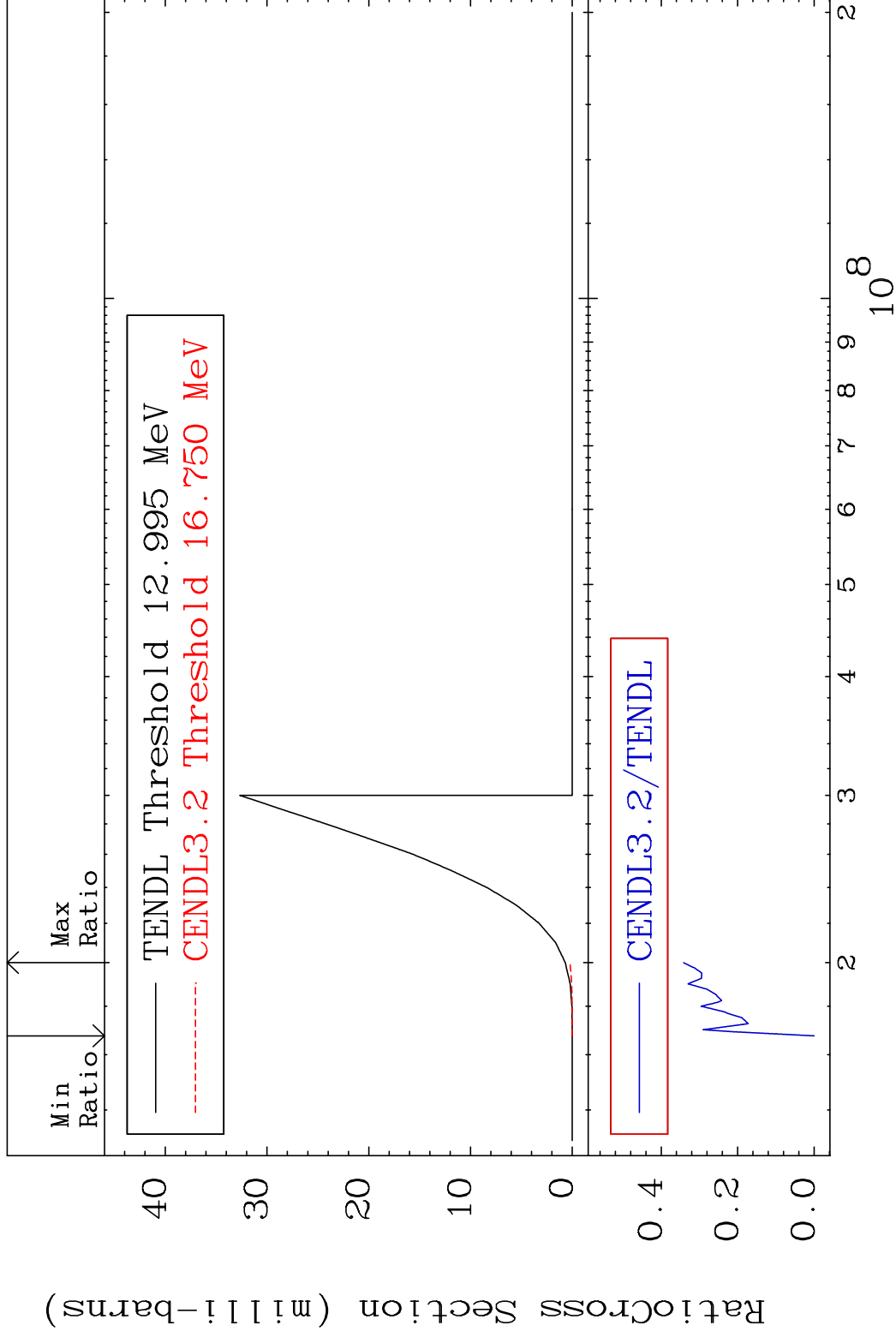
50-Sn-126

MAT 5067

(n, n') p

50-Sn-126

Cross Section -100.0 To -65.87%



7

Incident Energy (eV)

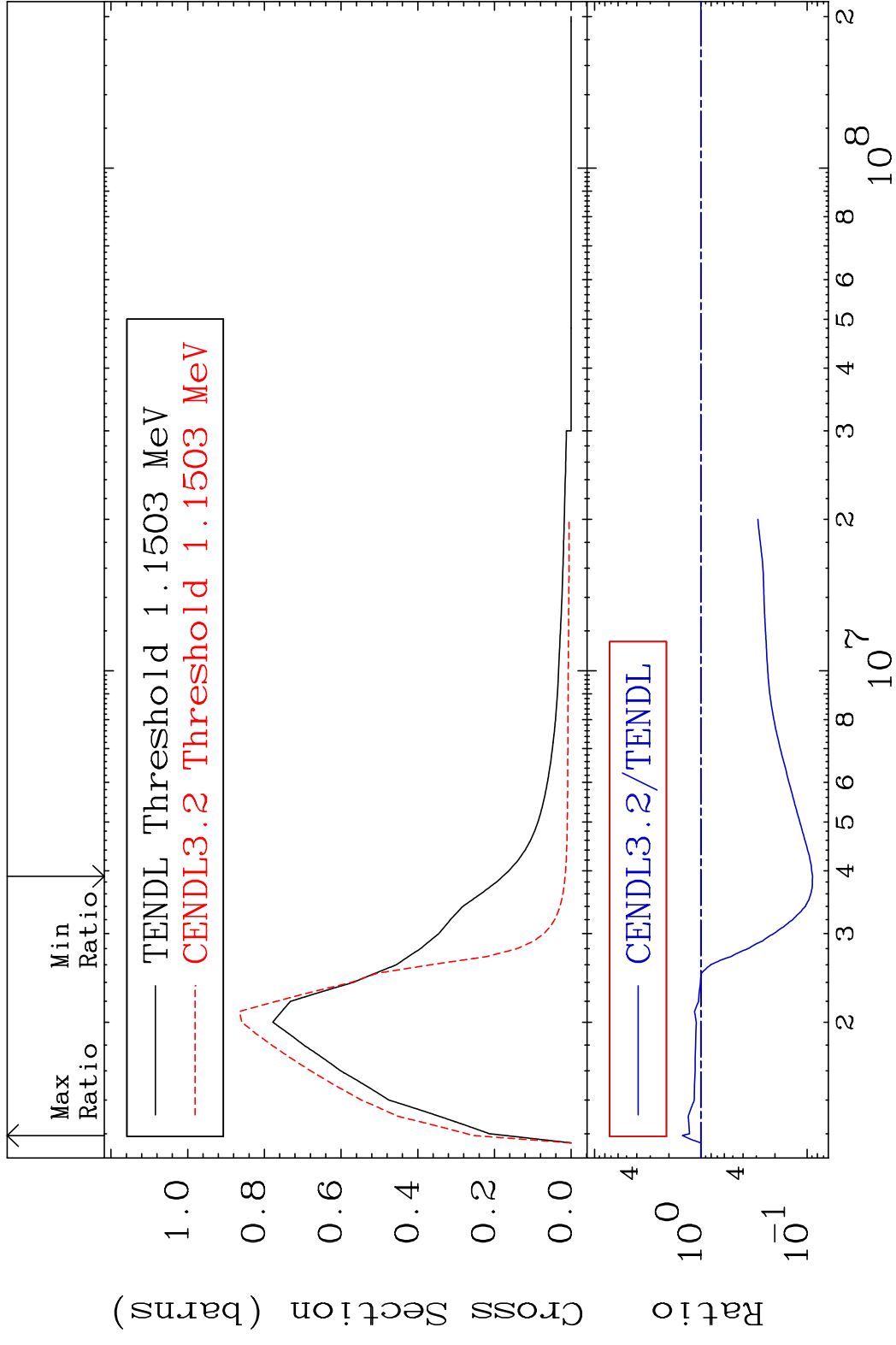
50-Sn-126

MAT 5067

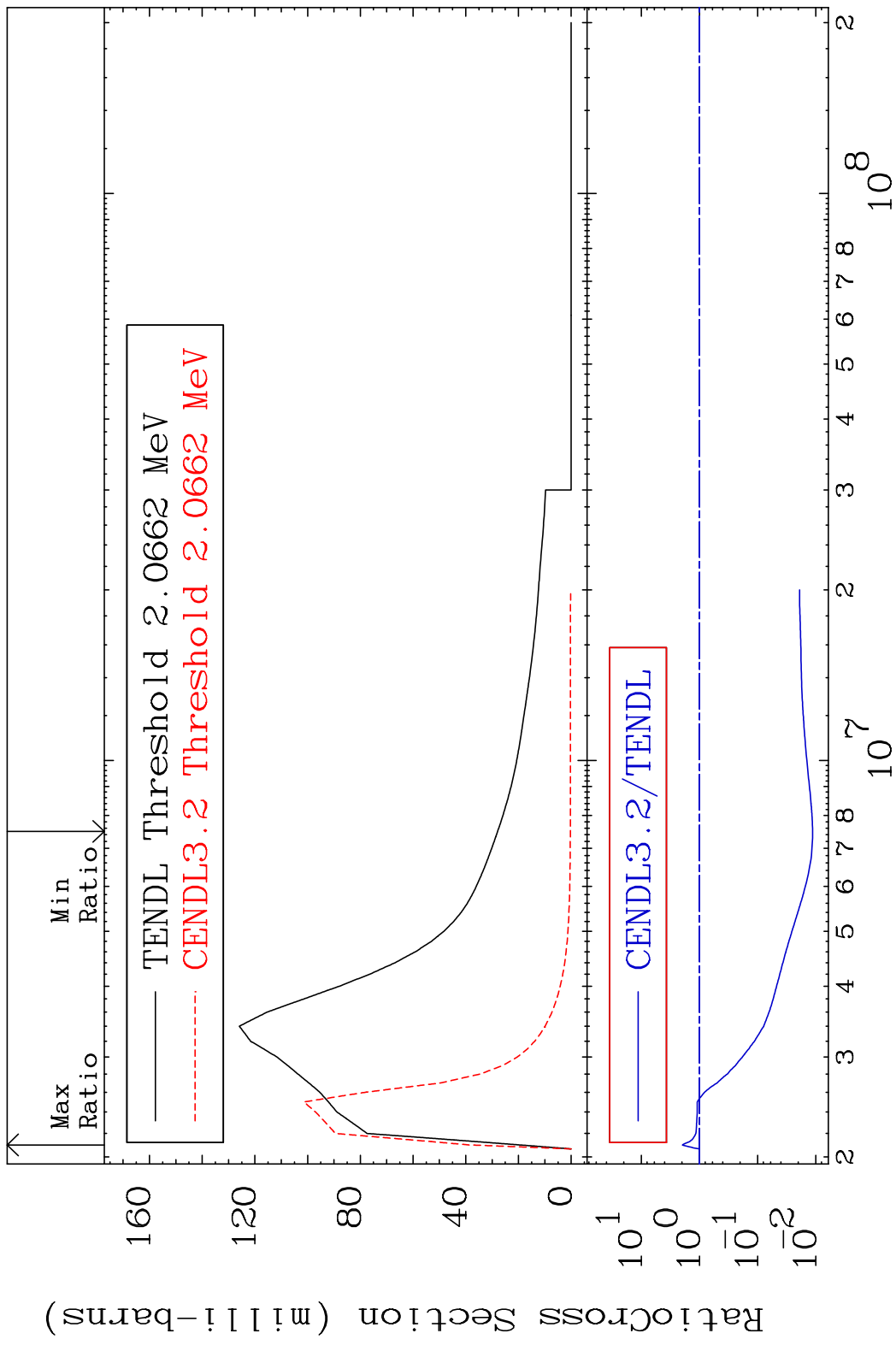
MT= 51 (n,n') Level

50-Sn-126

Cross Section -91.12 To 49.25 %

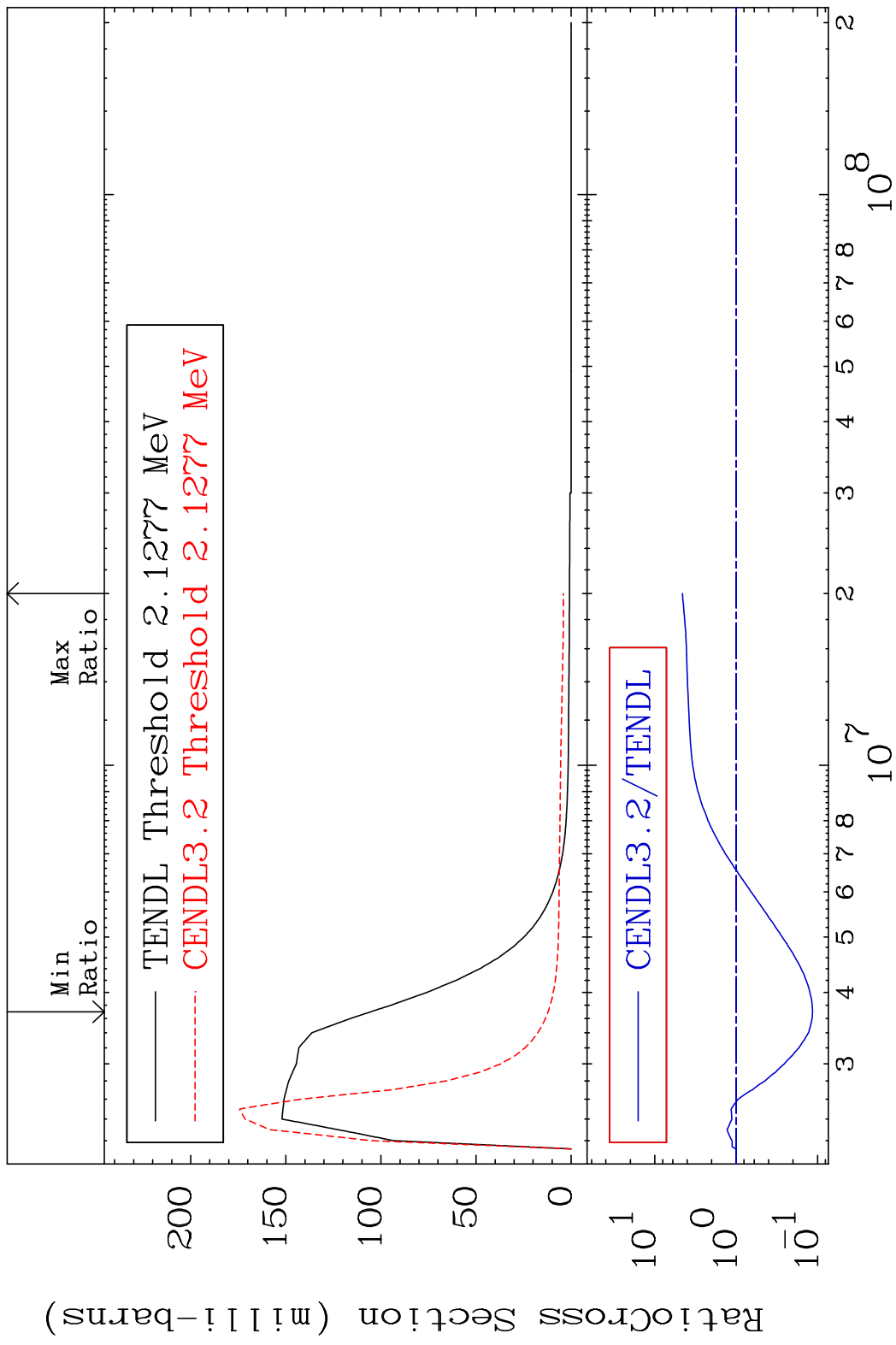


MAT 5067 MT= 52 (n,n') Level 50-Sn-126
 Cross Section -98.86 To 97.37 %



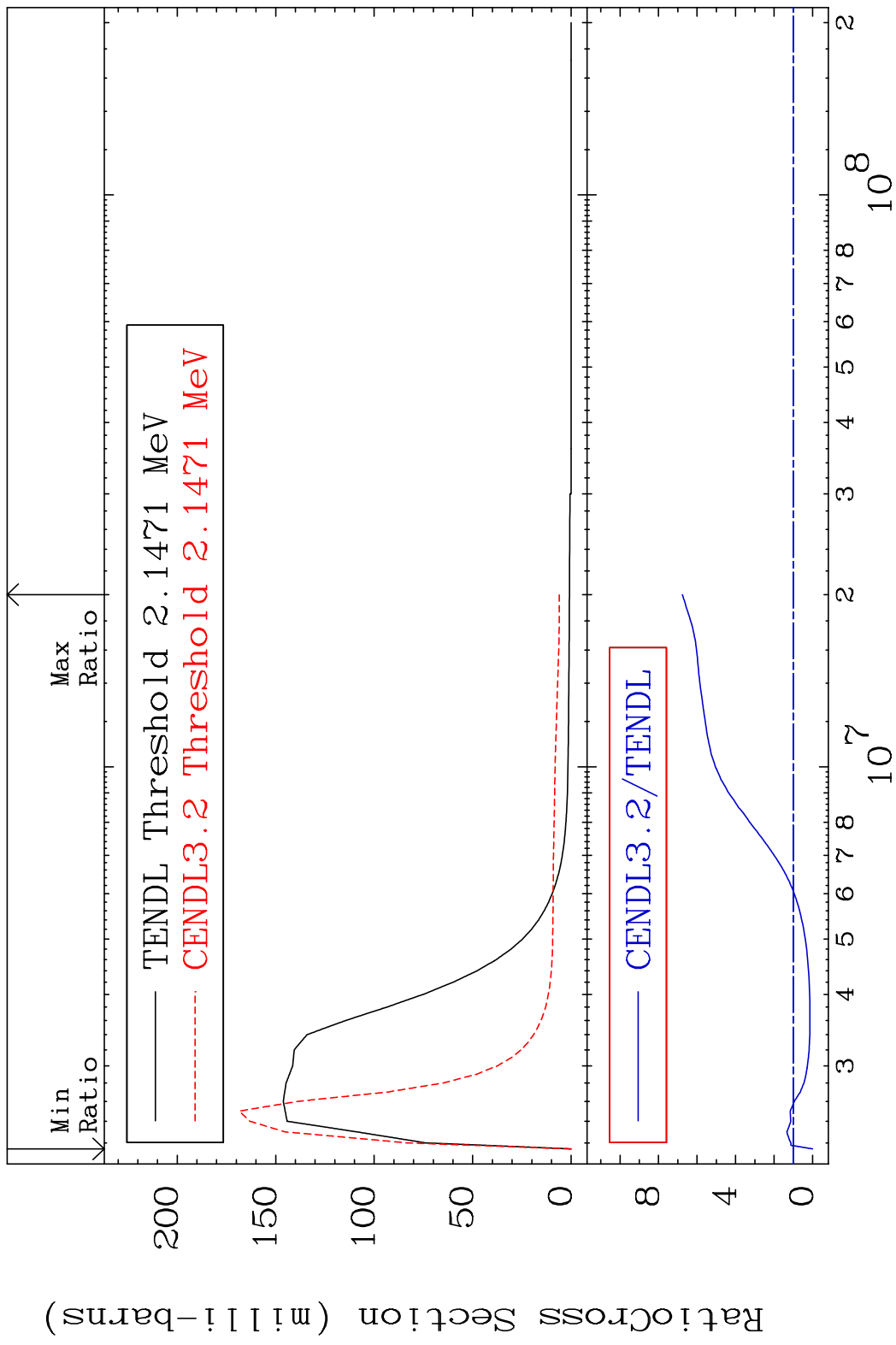
9 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 53 (n, n') Level 50-Sn-126
 Cross Section -88.49 To 358.6 %

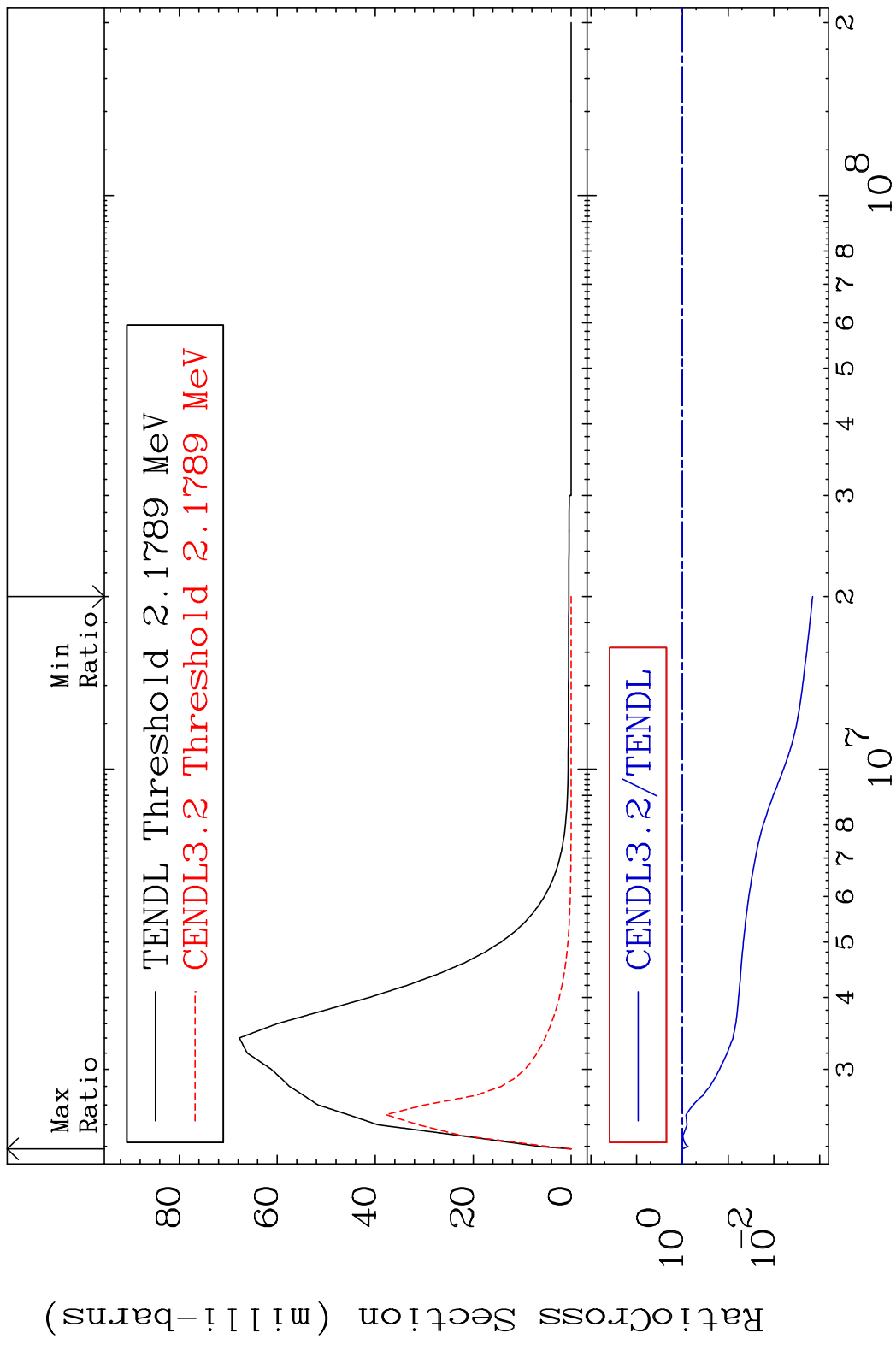


10 Incident Energy (eV) 50-Sn-126

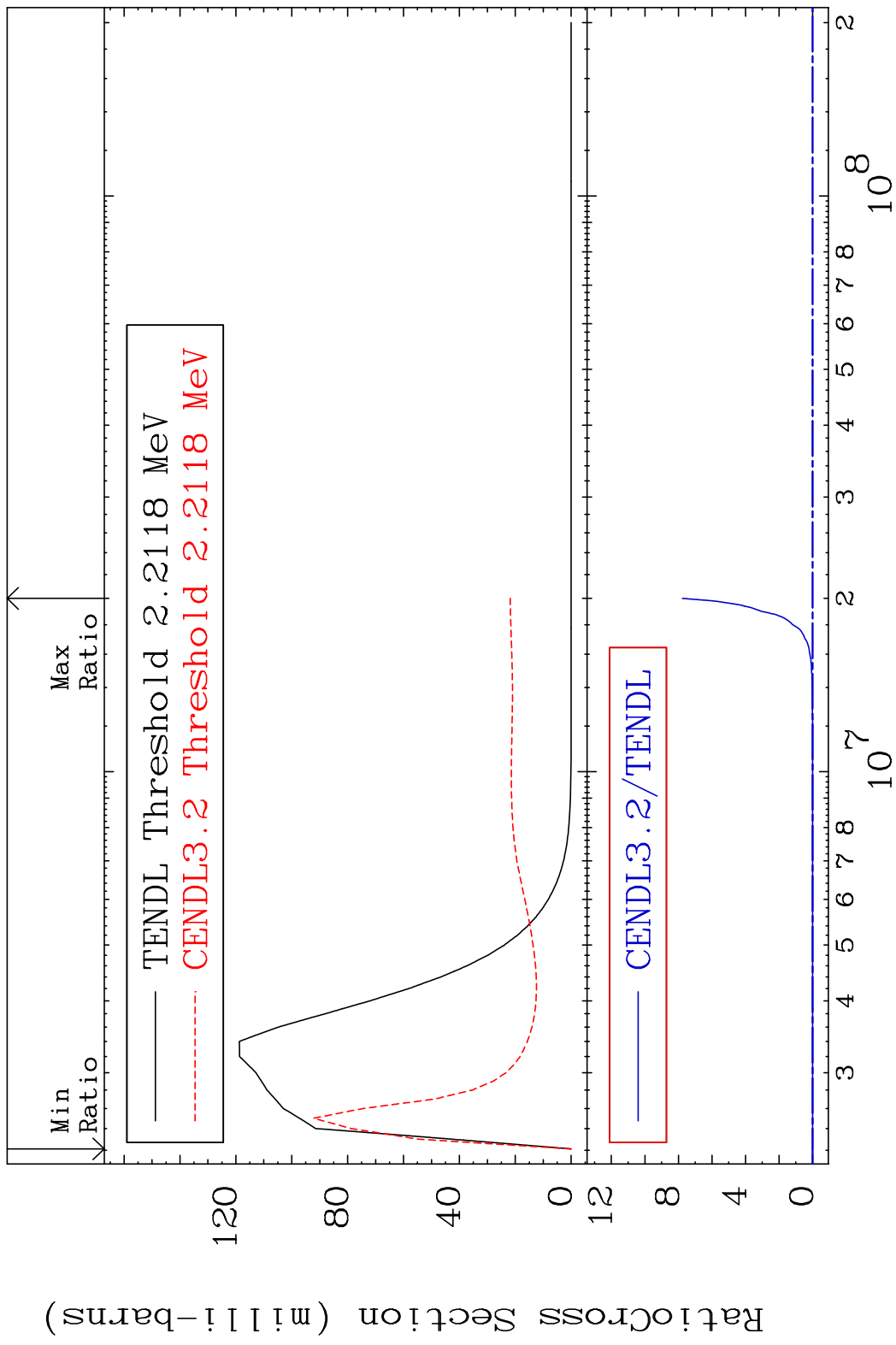
MAT 5067 MT= 54 (n, n') Level 50-Sn-126
 Cross Section -100.0 To 576.3 %



MAT 5067 MT= 55 (n, n') Level 50-Sn-126
 Cross Section -99.86 To 0.000 %

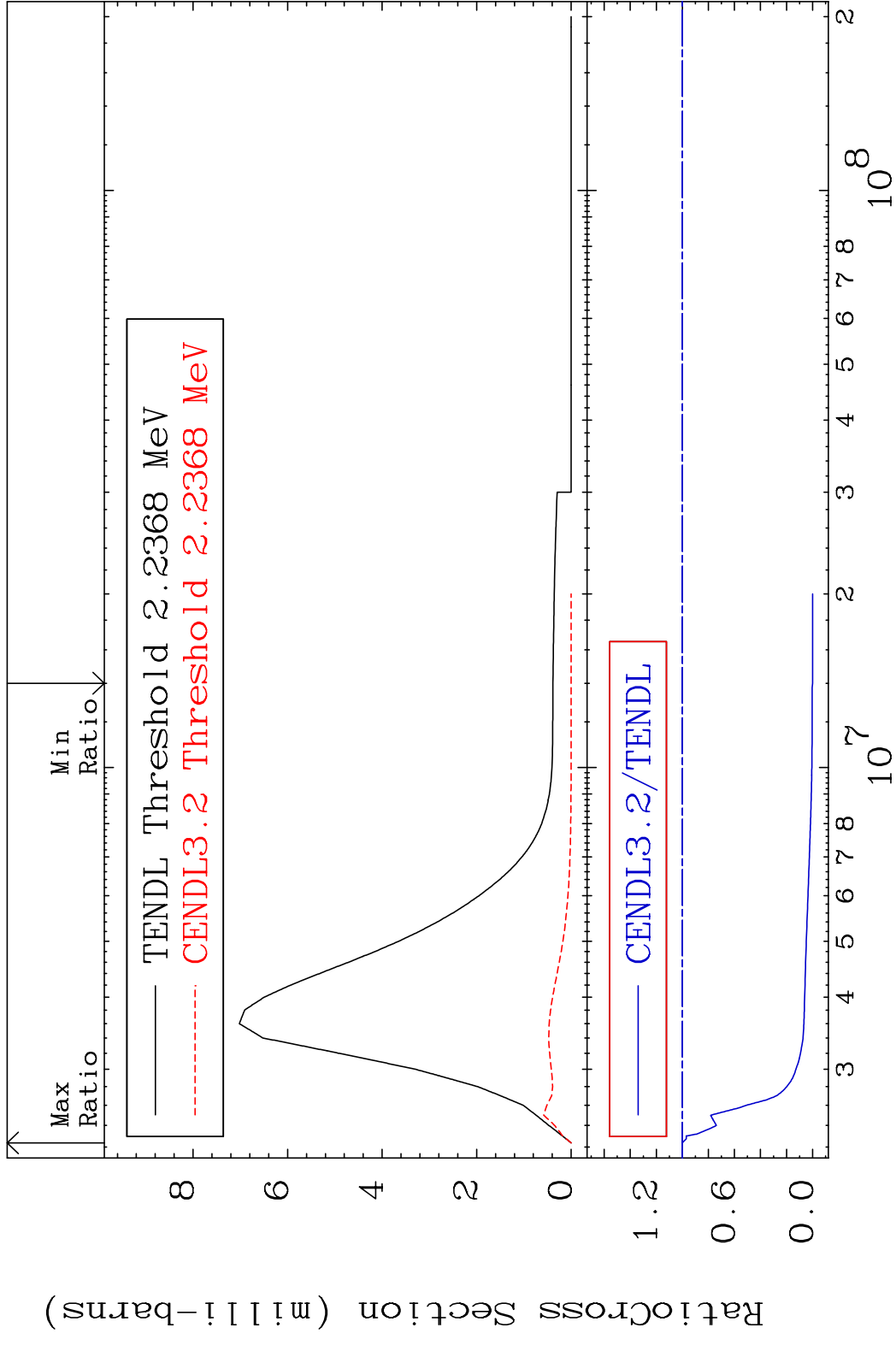


MAT 5067 MT= 56 (n, n') Level 50-Sn-126
 Cross Section -100.0 To 9999. %

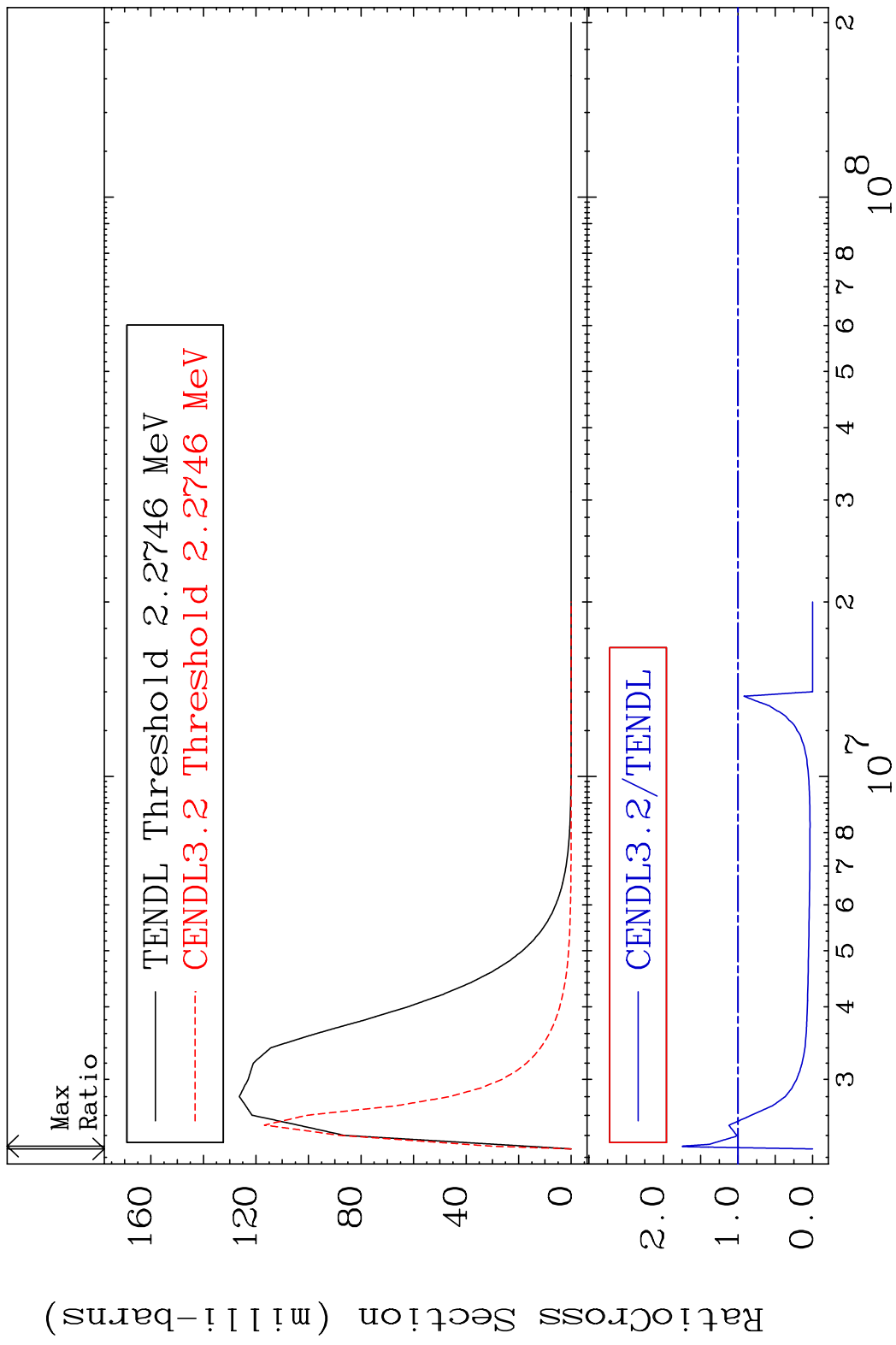


13 50-Sn-126

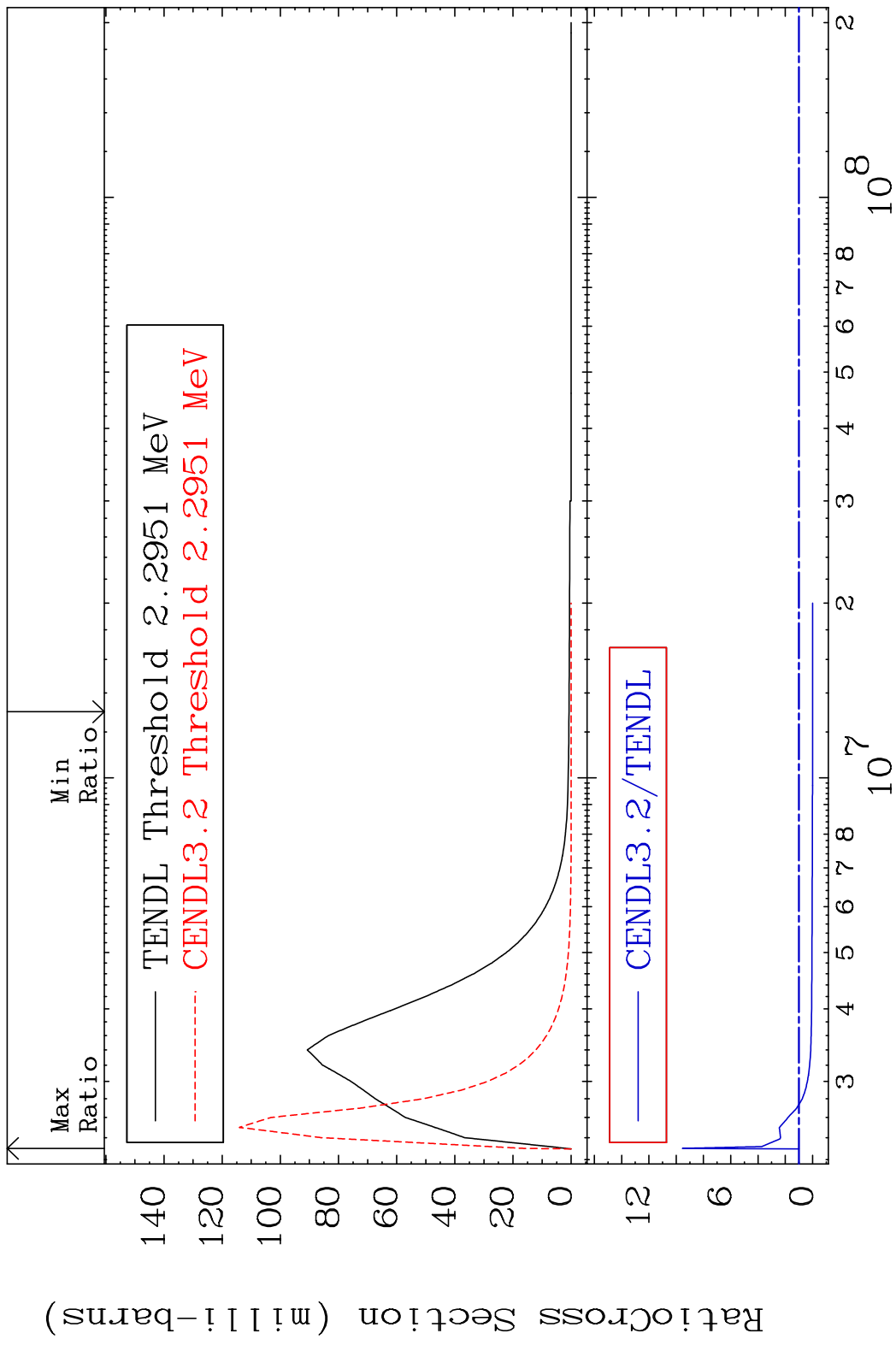
MAT 5067 MT= 57 (n,n') Level 50-Sn-126
 Cross Section -100.0 To 0.000 %



MAT 5067 MT= 58 (n,n') Level 50-Sn-126
 Cross Section -100.0 To 74.66 %

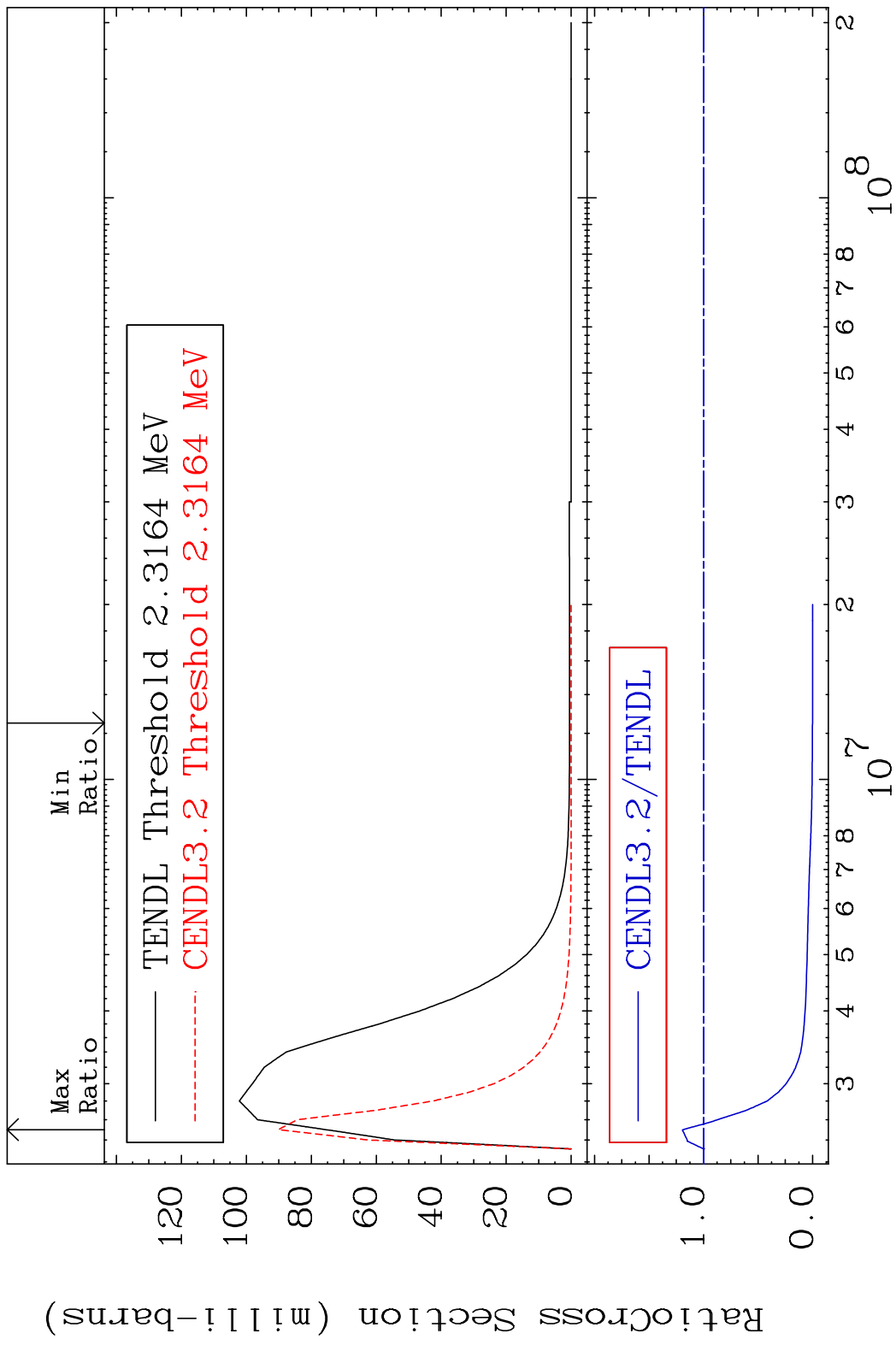


MAT 5067 MT= 59 (n,n') Level 50-Sn-126
 Cross Section -100.0 To 854.8 %



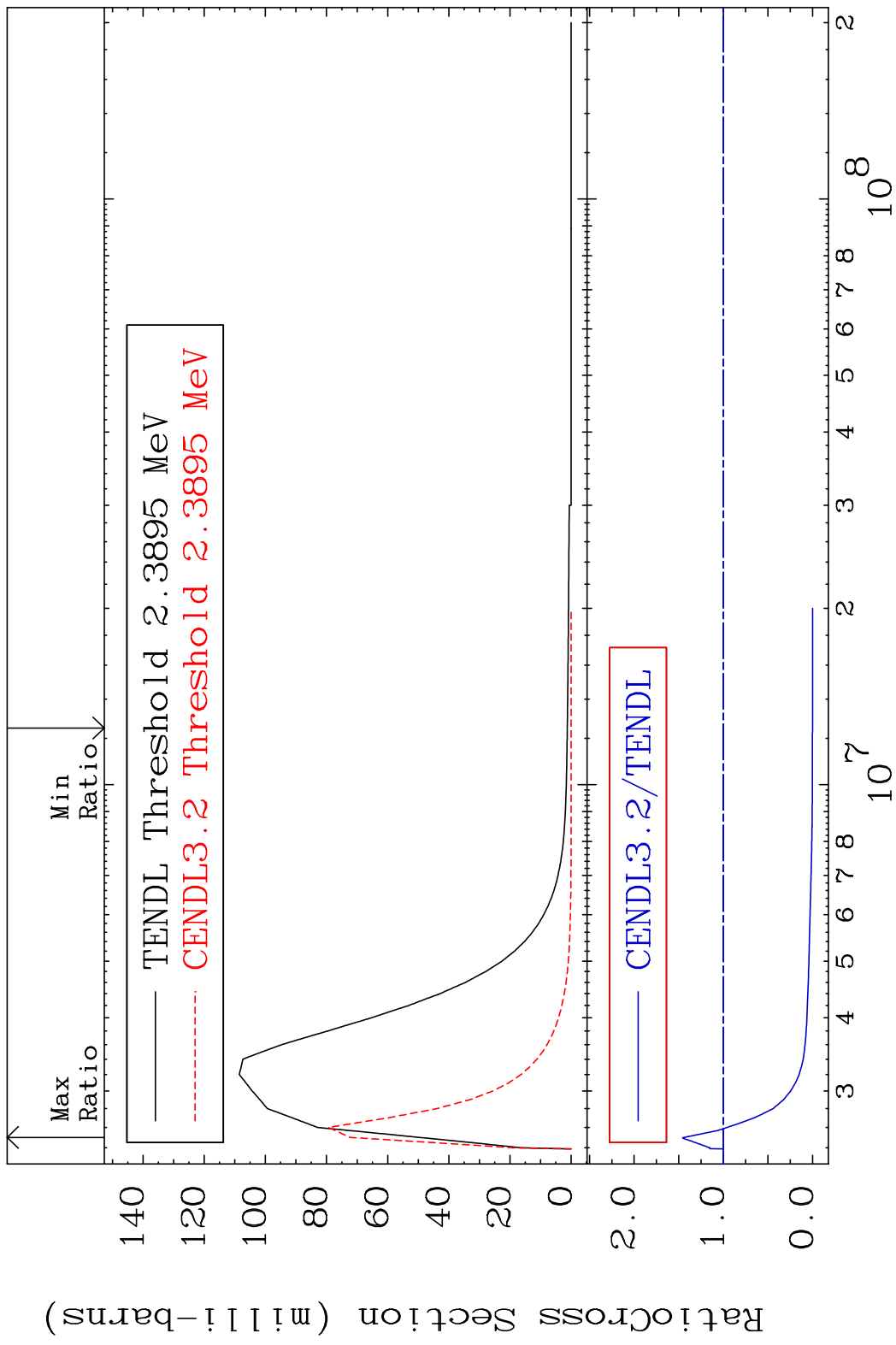
16 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 60 (n,n') Level 50-Sn-126
 Cross Section -100.0 To 19.41 %

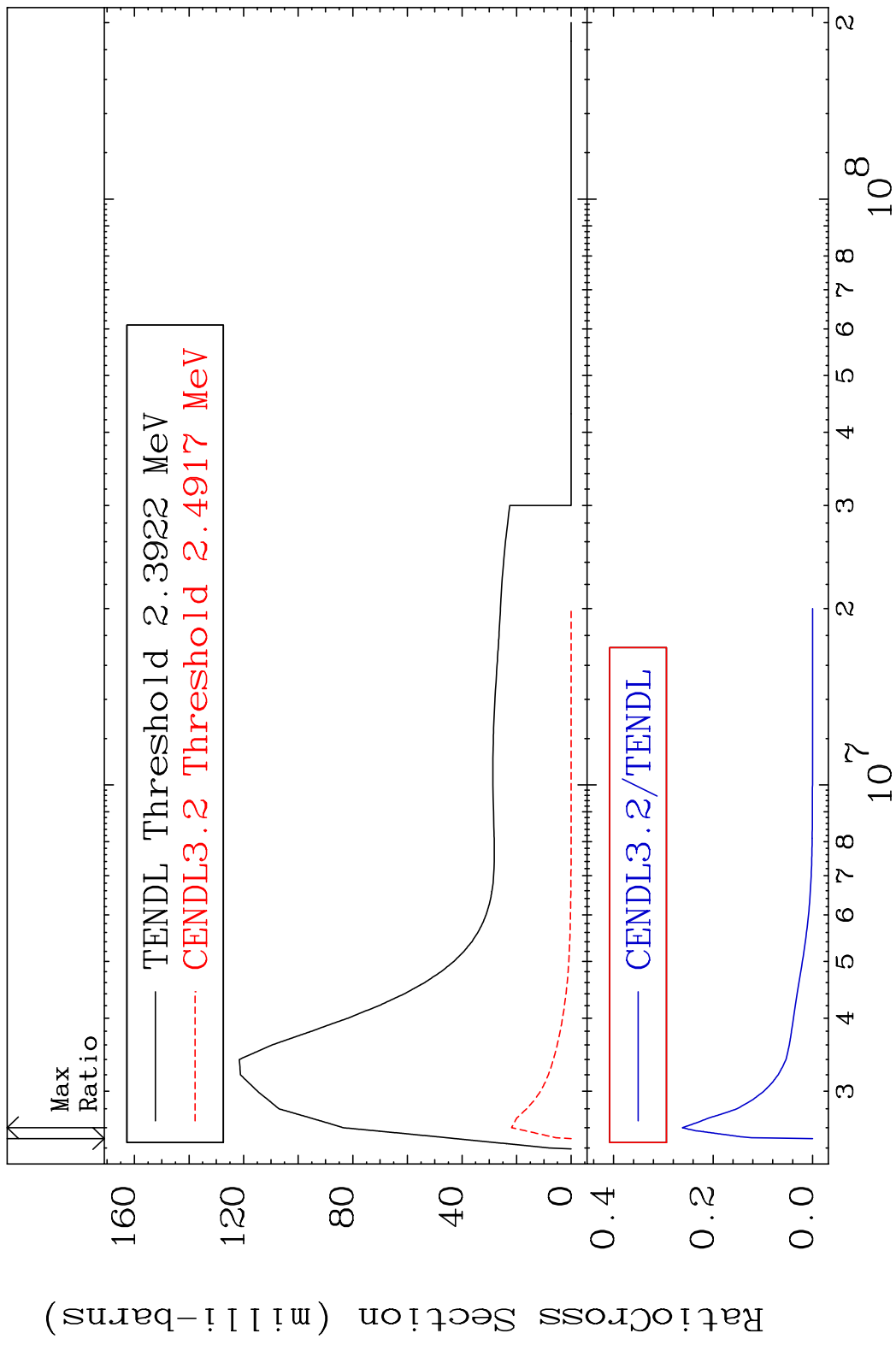


17 Incident Energy (eV) 50-Sn-126

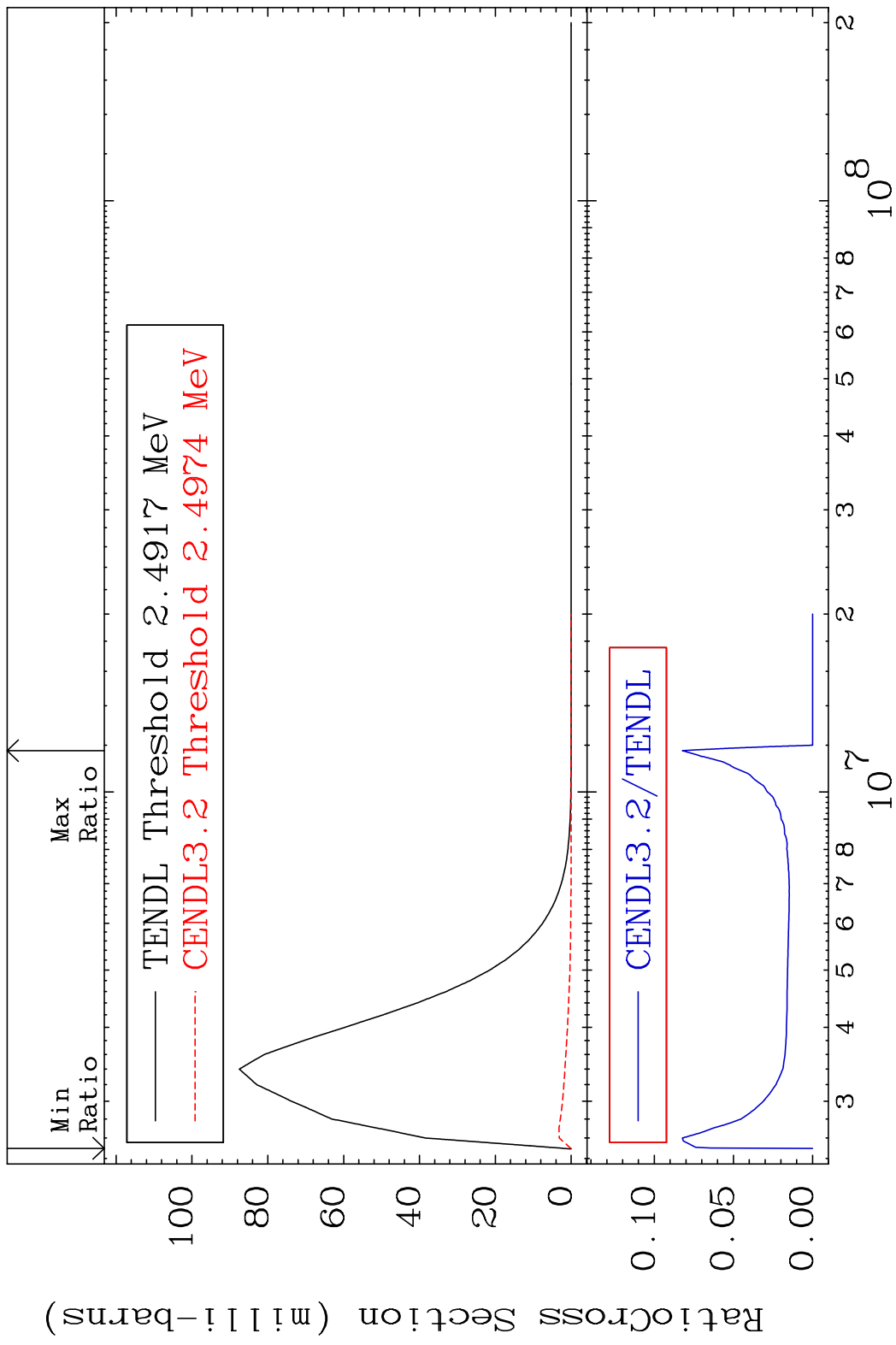
MAT 5067 MT= 61 (n,n') Level 50-Sn-126
 Cross Section -100.0 To 45.94 %



MAT 5067 MT= 62 (n, n') Level 50-Sn-126
 Cross Section -100.0 To -73.82%

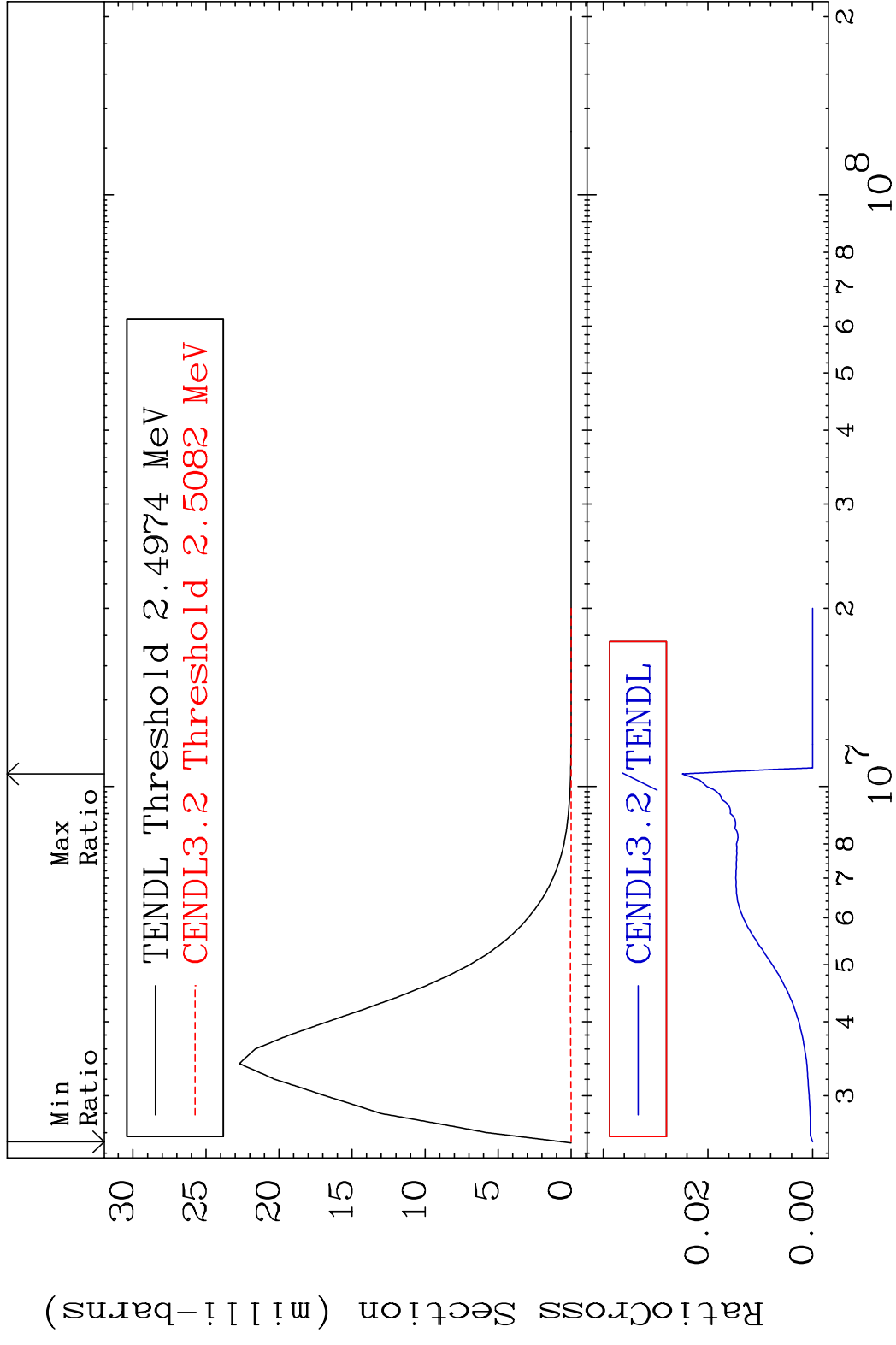


MAT 5067 MT= 63 (n, n') Level 50-Sn-126
 Cross Section -100.0 To -91.77%



20 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 64 (n,n') Level 50-Sn-126
 Cross Section -100.0 To -97.51%

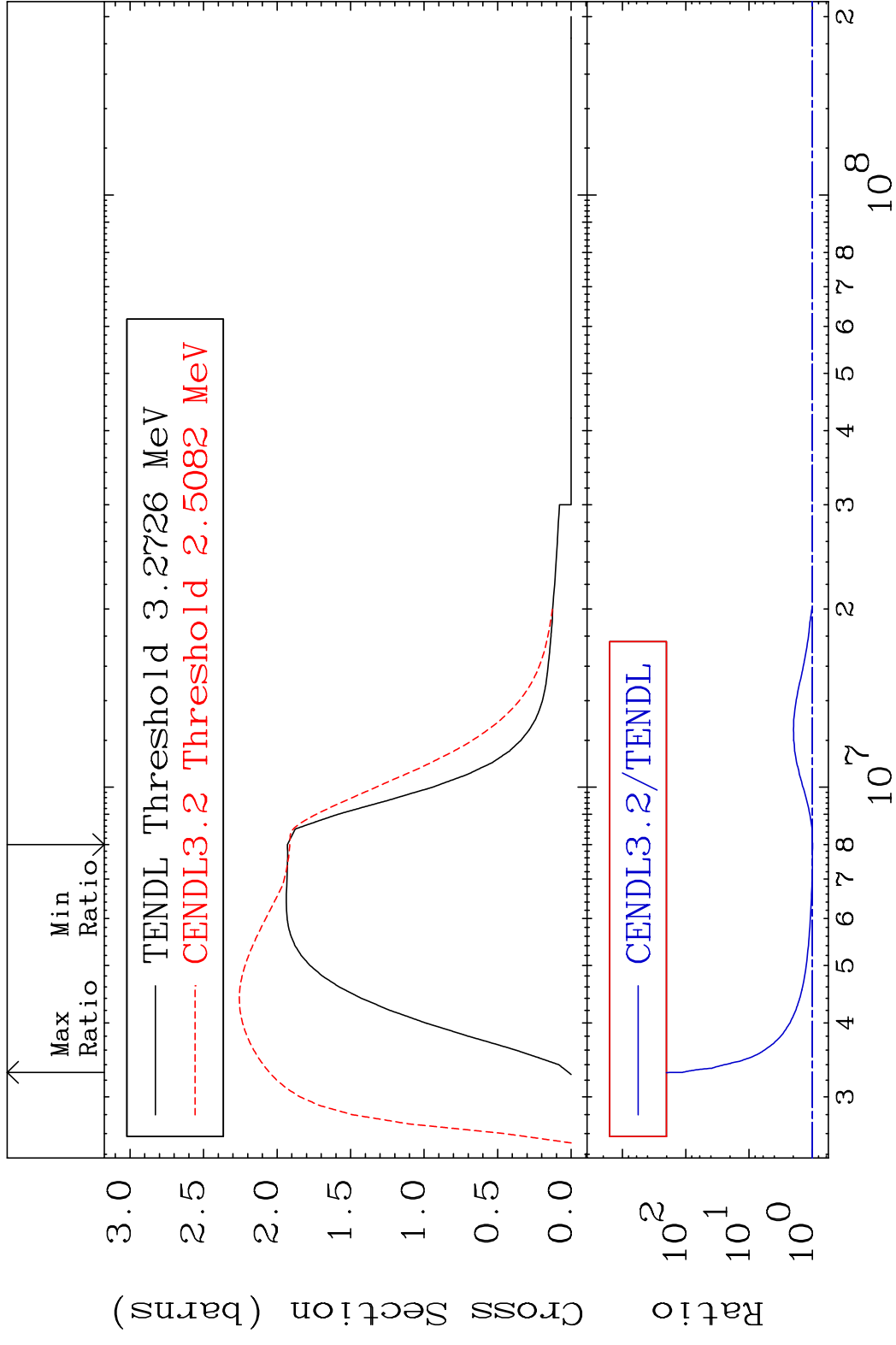


MAT 5067

(n,n') Continuum

50-Sn-126

Cross Section -0.827 To 9999. %

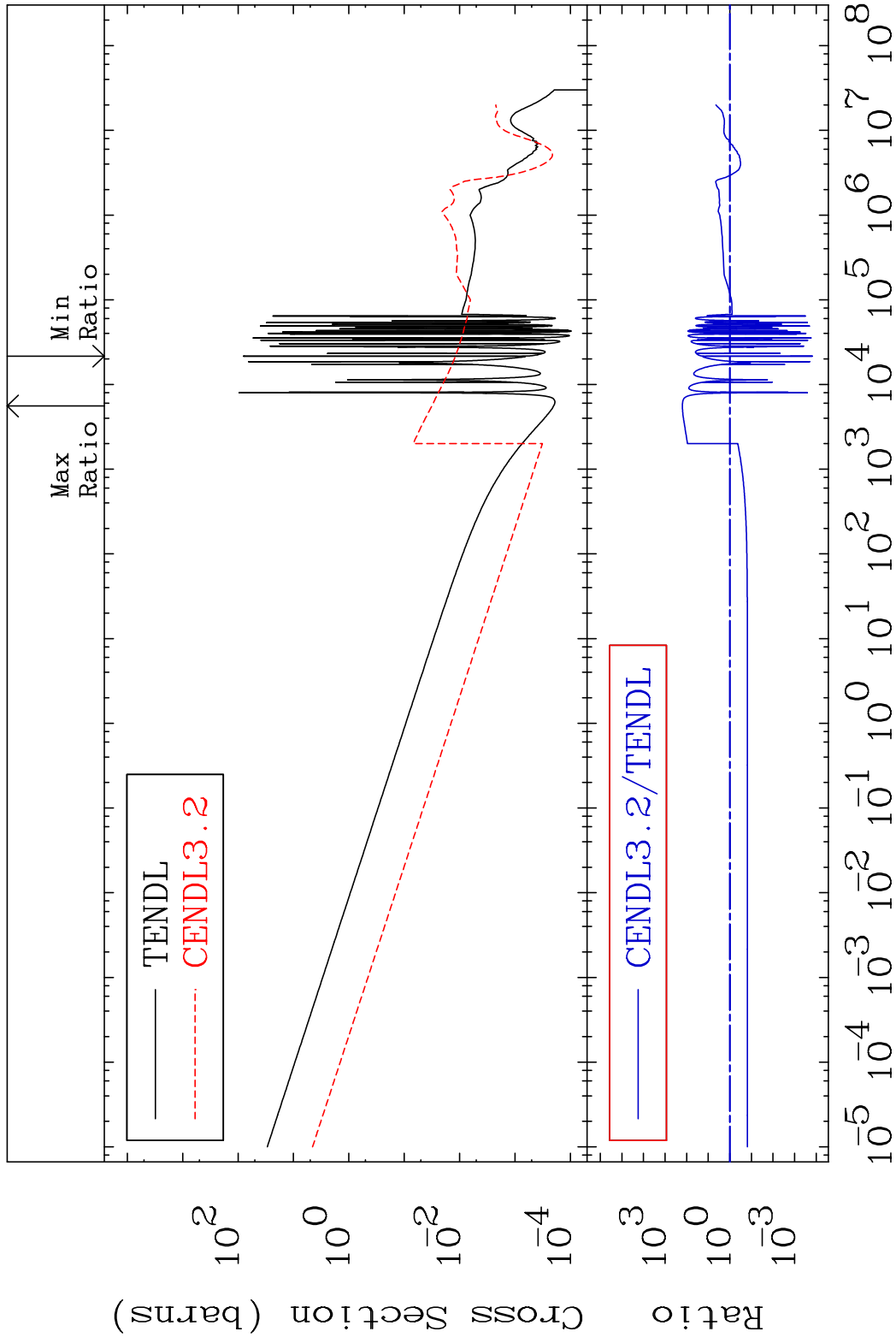


MAT 5067

(n, γ)

50-Sn-126

Cross Section -99.99 To 9999. %



23

Incident Energy (eV)

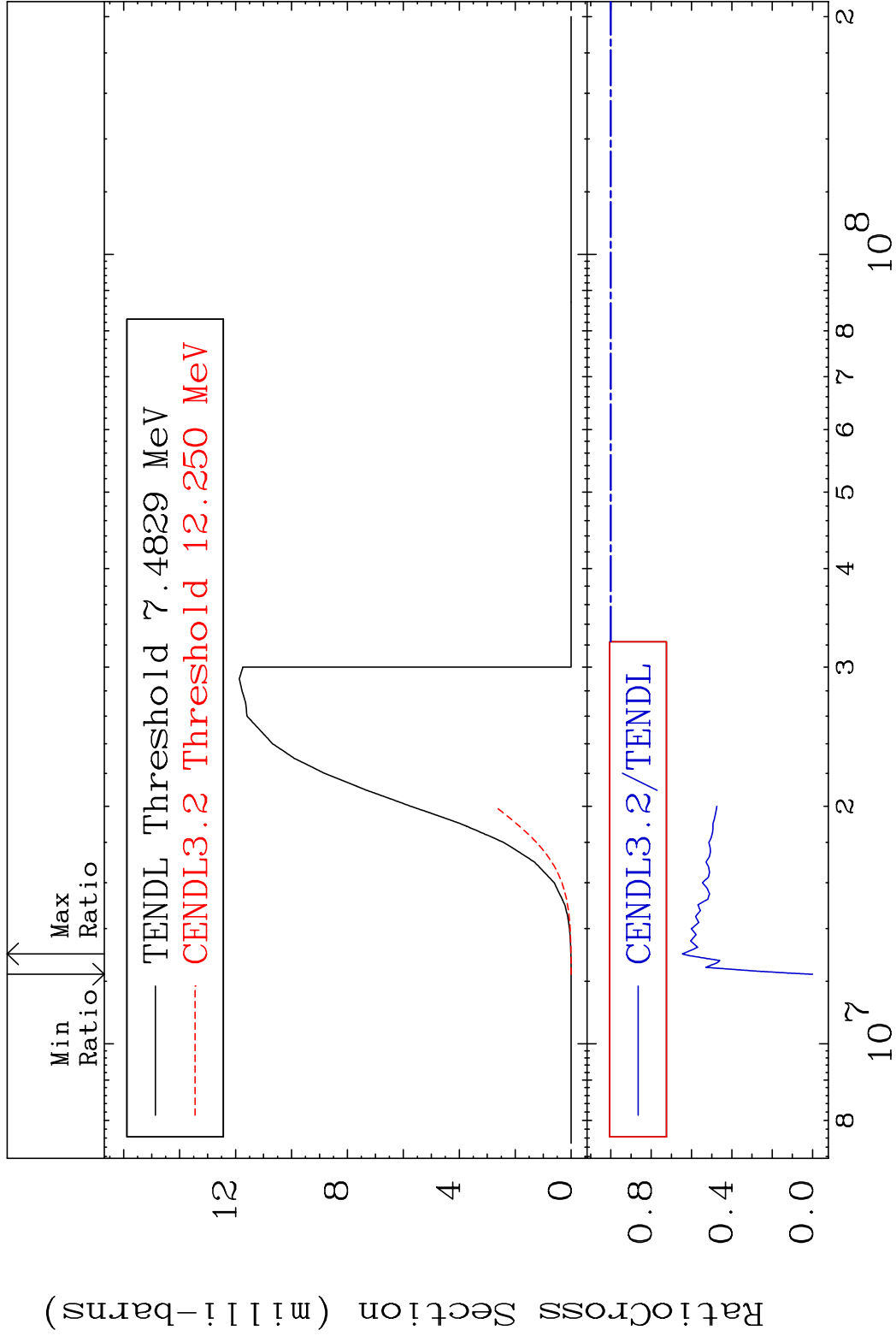
50-Sn-126

MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To -35.44%



24

Incident Energy (eV)

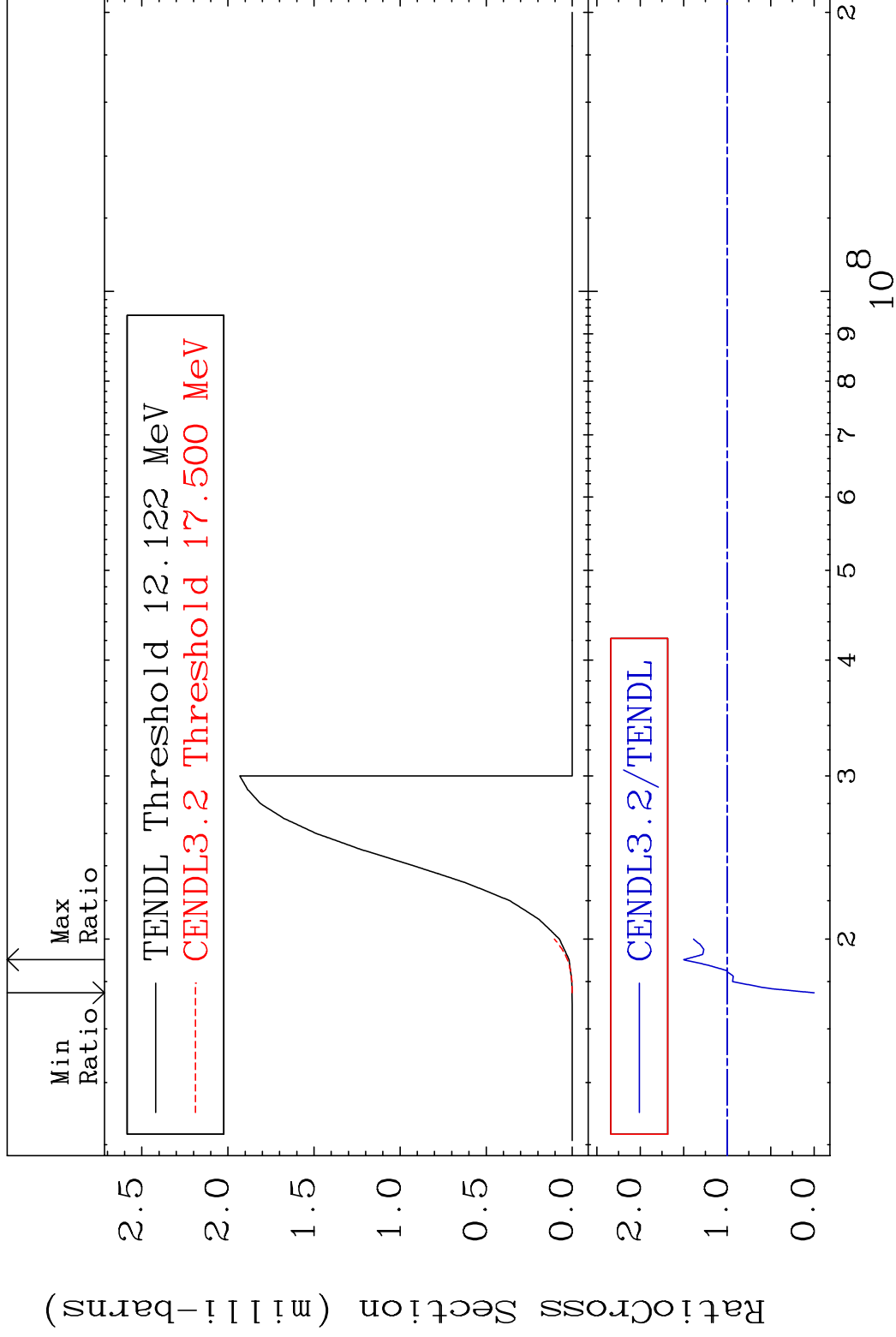
50-Sn-126

MAT 5067

(n, t)

50-Sn-126

Cross Section -100.0 To 50.07 %

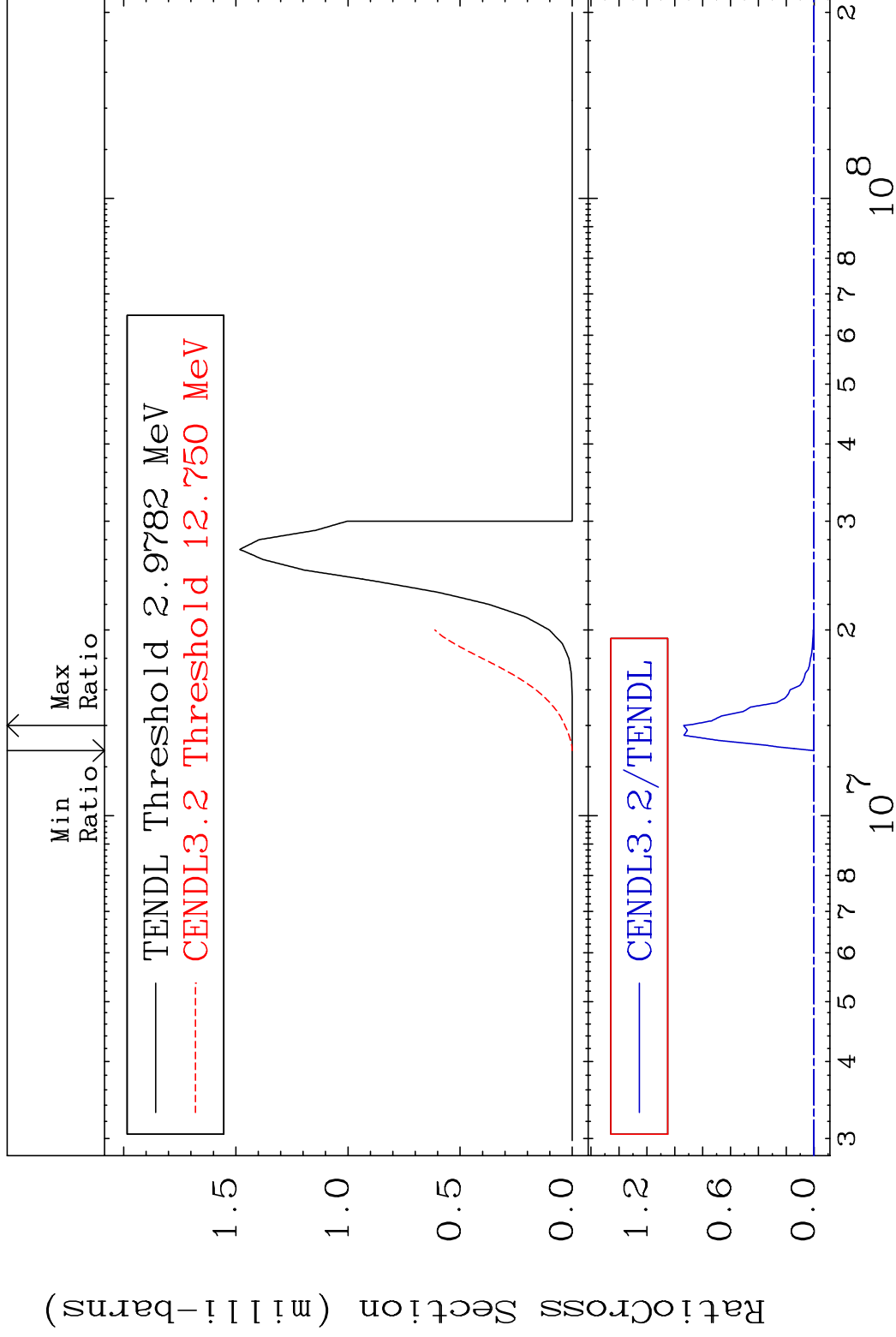


MAT 5067

(n, α)

50-Sn-126

Cross Section -100.0 To 9999. %

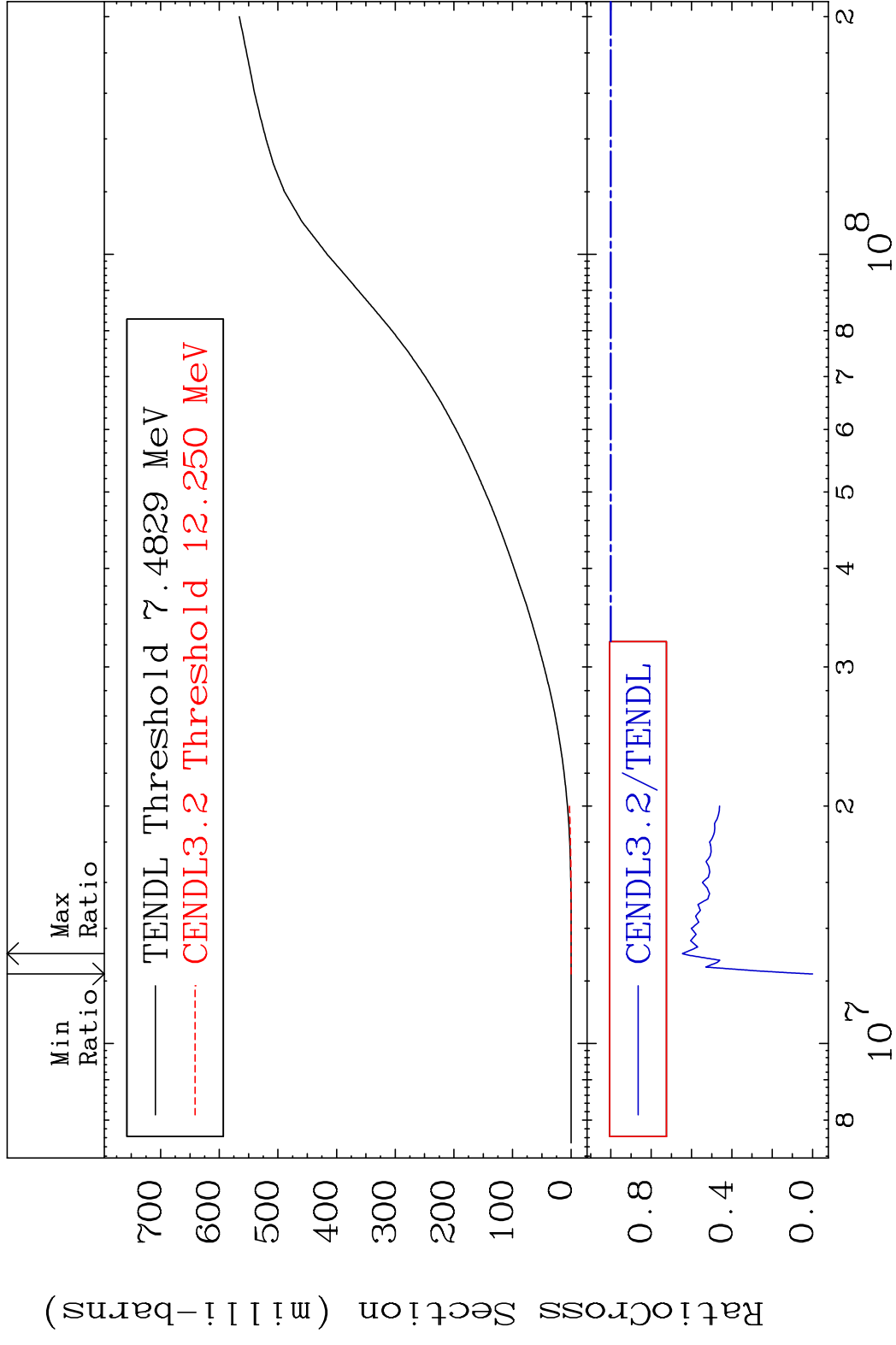


MAT 5067

Hydrogen Production

50-Sn-126

Cross Section -100.0 To -35.44%



28

Incident Energy (eV)

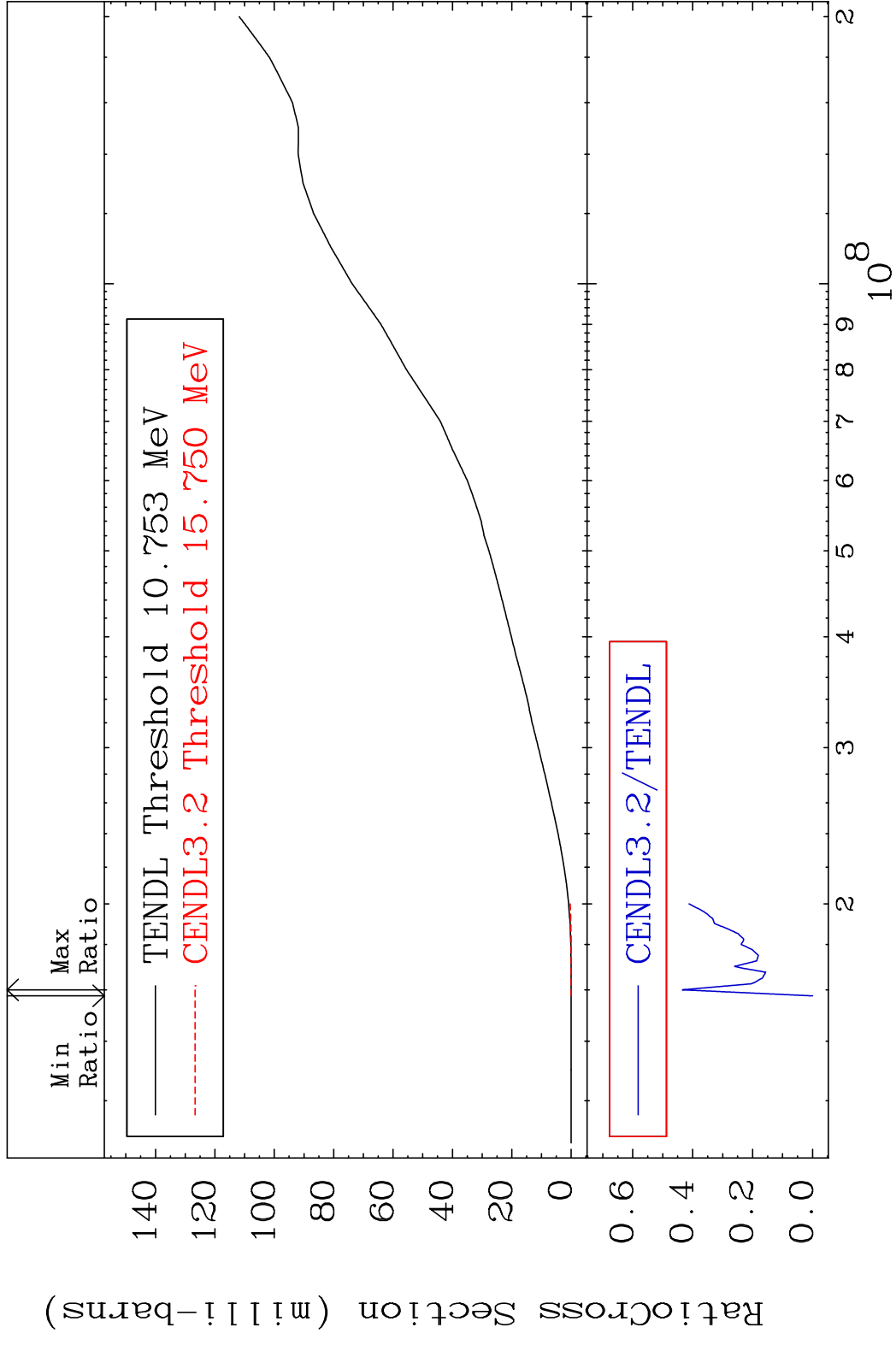
50-Sn-126

MAT 5067

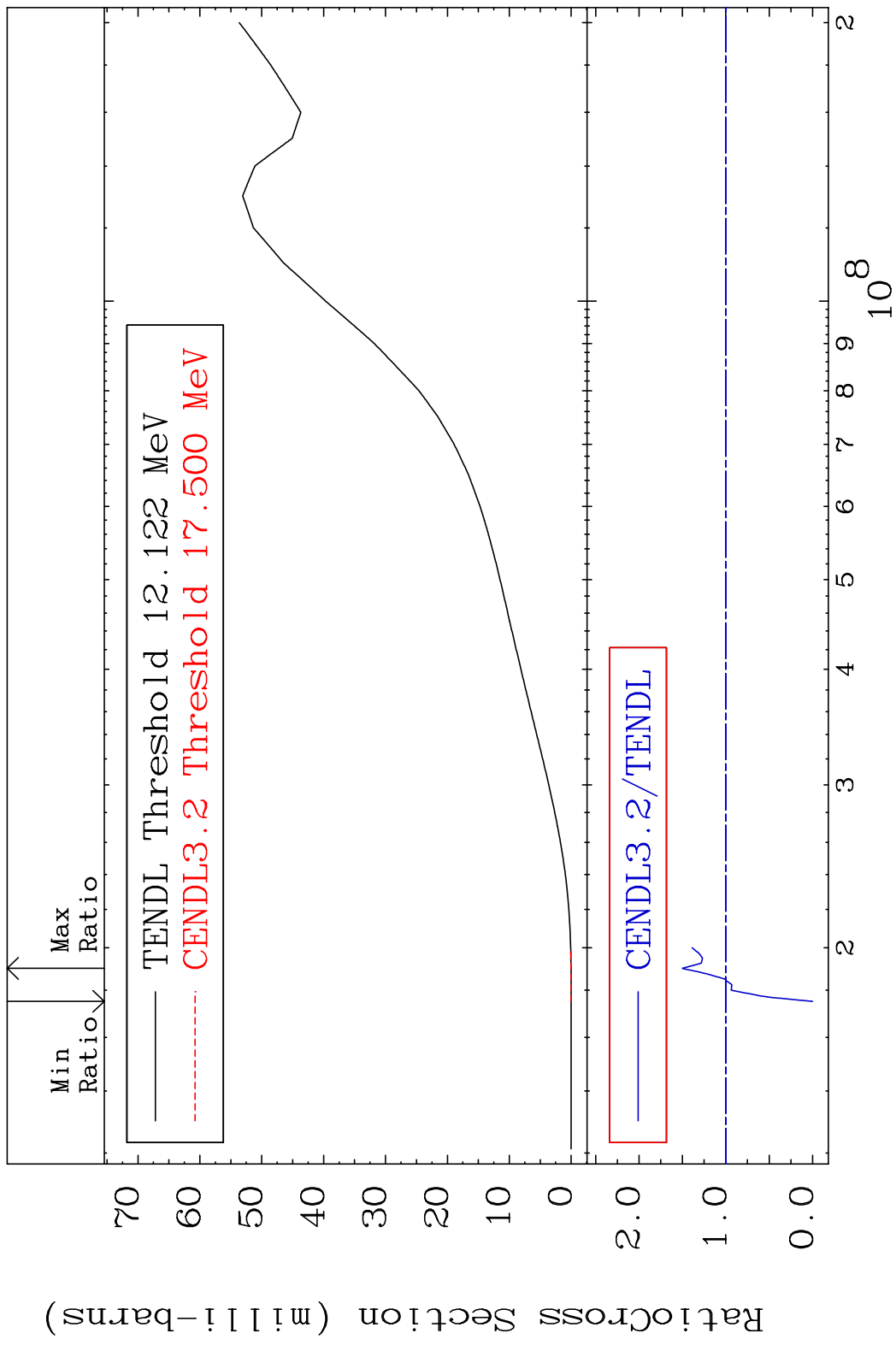
Deuterium Production

50-Sn-126

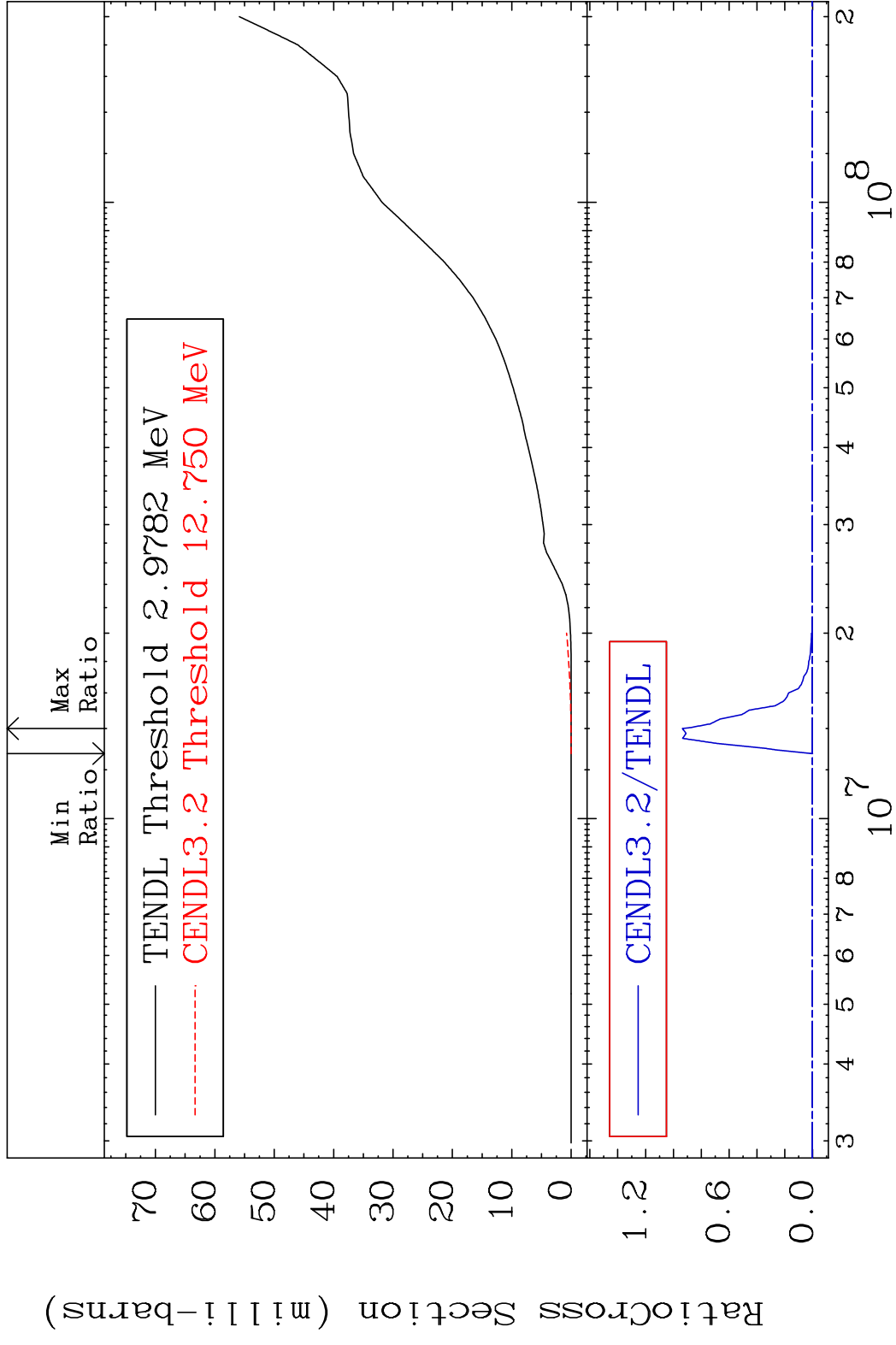
Cross Section -100.0 To -56.56%



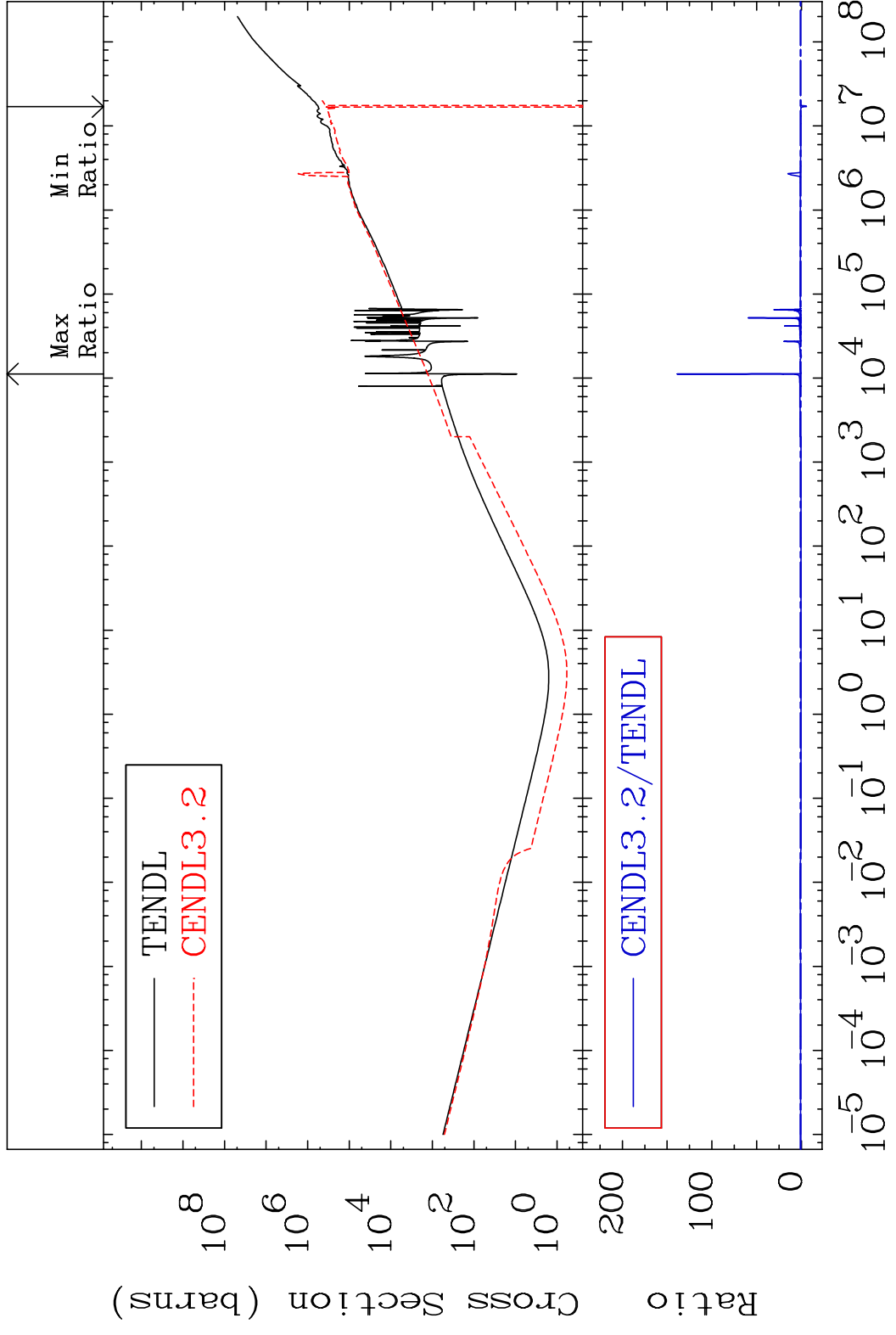
MAT 5067 Tritium Production 50-Sn-126
 Cross Section -100.0 To 50.07 %



MAT 5067 He-4 Production 50-Sn-126
 Cross Section -100.0 To 9999. %



MAT 5067 Kerma total (eV-barns) 50-Sn-126
 Cross Section -661.5 To 9999. %

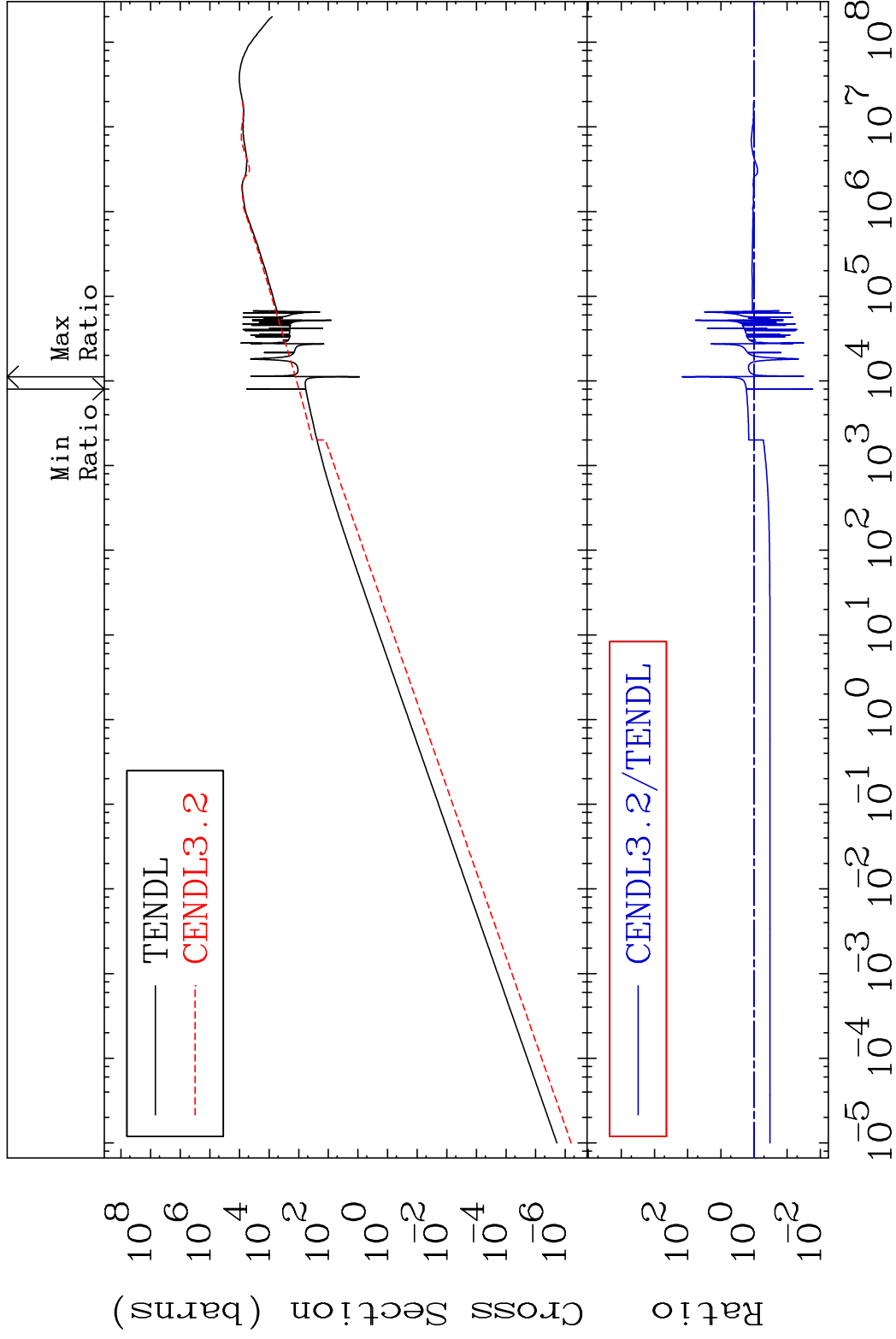


32 Incident Energy (eV) 50-Sn-126

MAT 5067

Kerma elastic
Cross Section

50-Sn-126
-98.28 To 9999. %

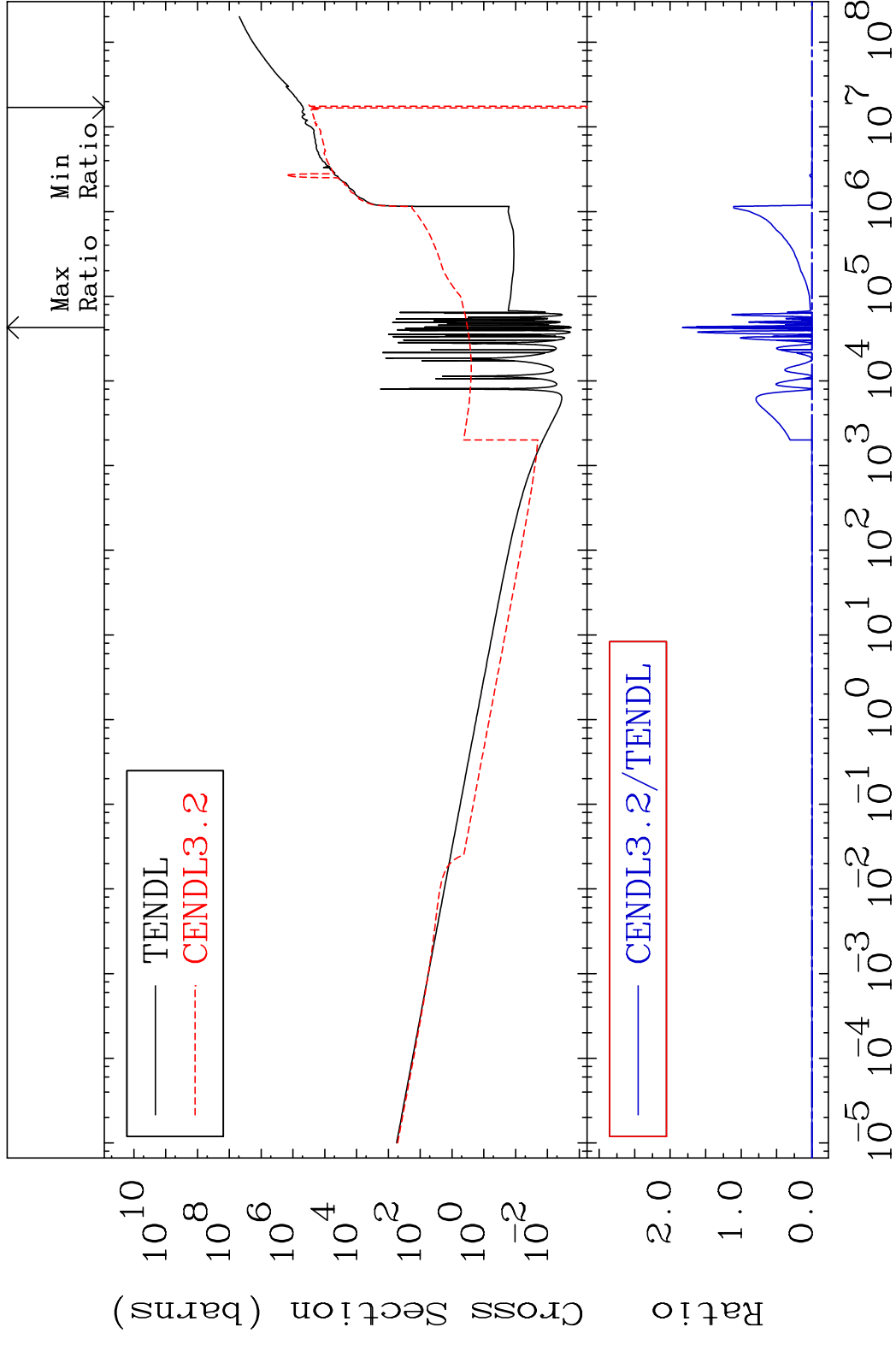


33

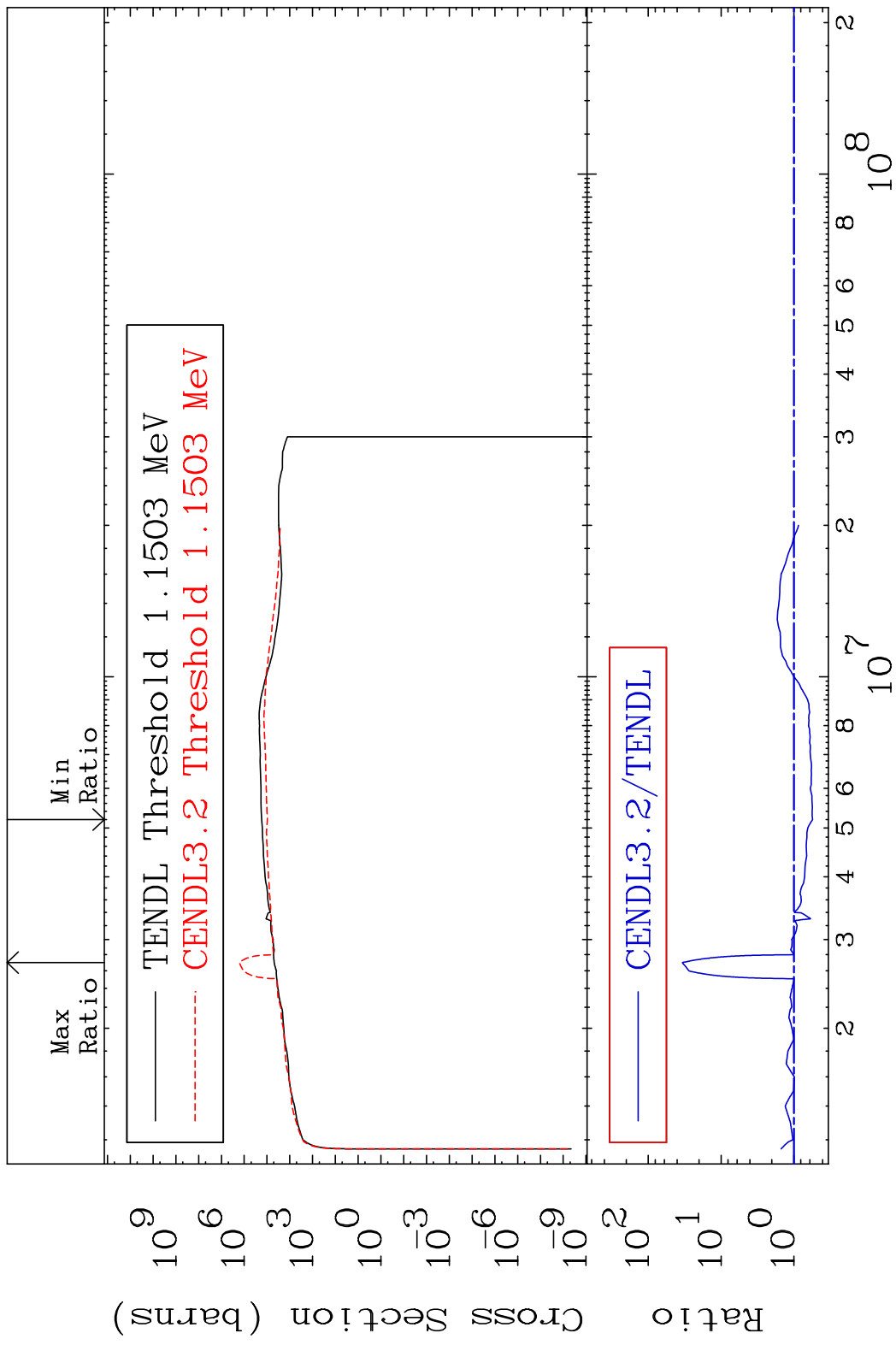
Incident Energy (eV)

50-Sn-126

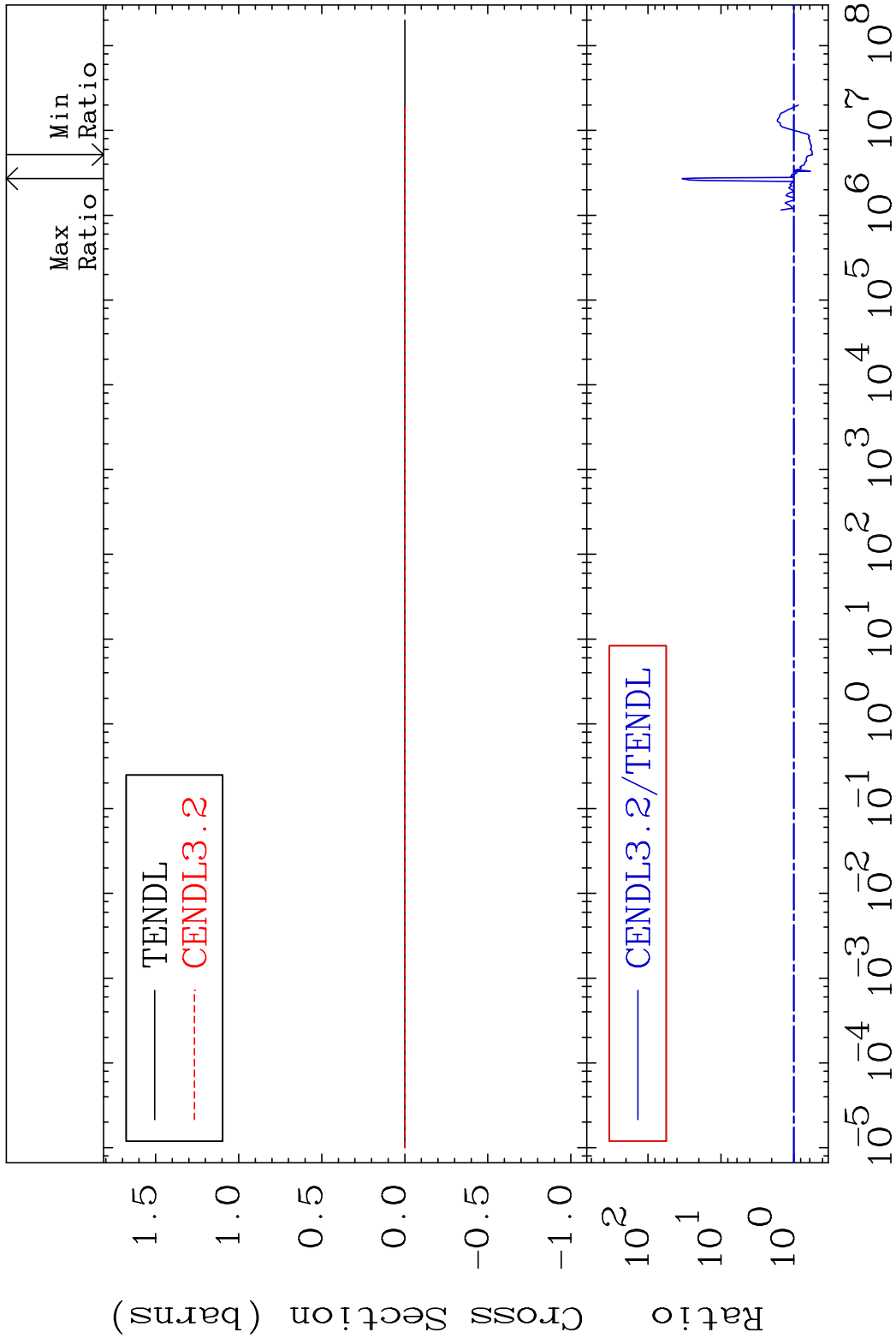
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
 Cross Section -761.8 To 9999. %



MAT 5067 Kerma inelastic (mt51-91) 50-Sn-126
 Cross Section -44.78 To 3303. %

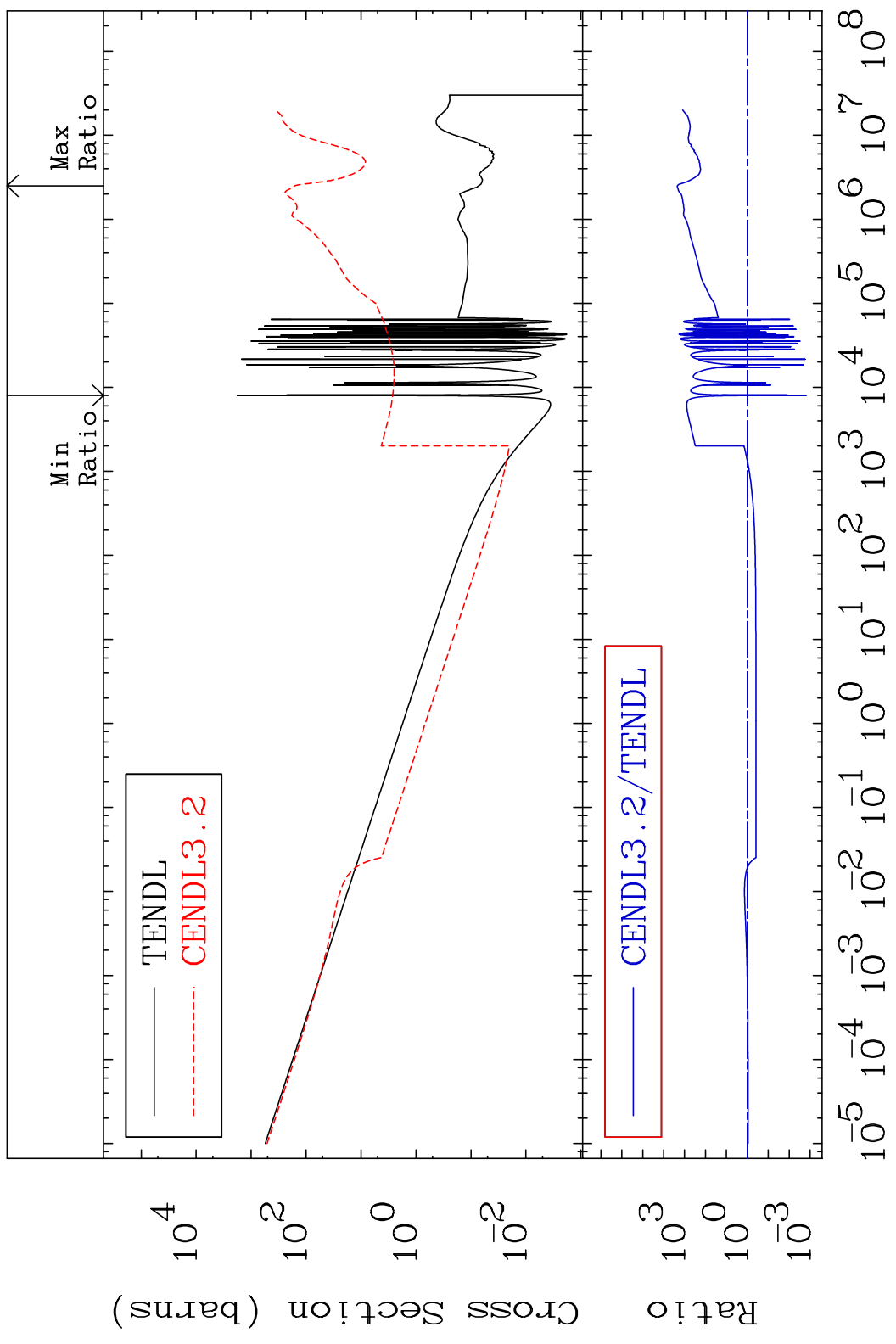


MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126
 Cross Section -44.78 To 3303. %



MAT 5067

Kerma capture (mt102) 50-Sn-126
Cross Section -99.85 To 9999. %

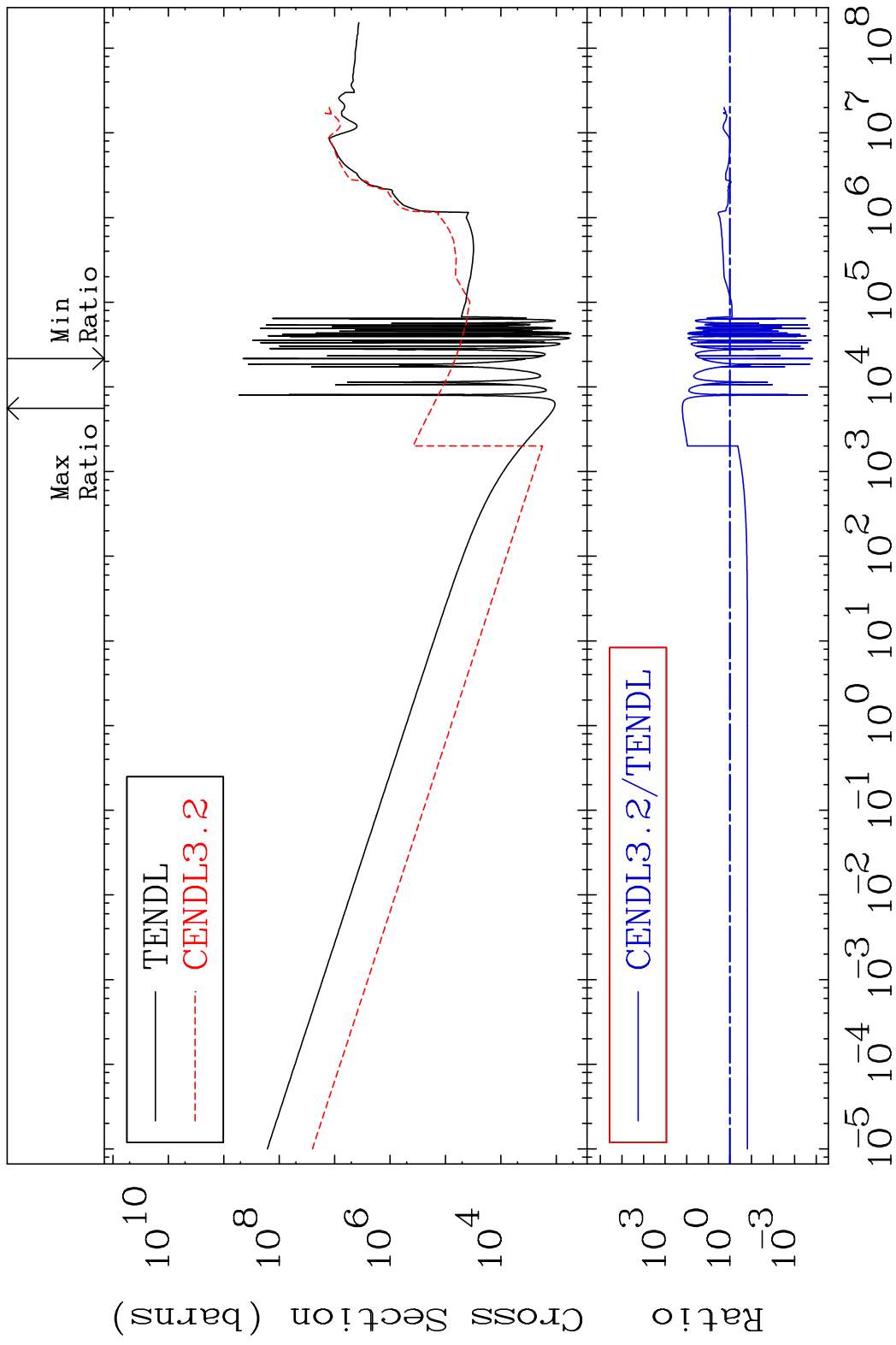


37

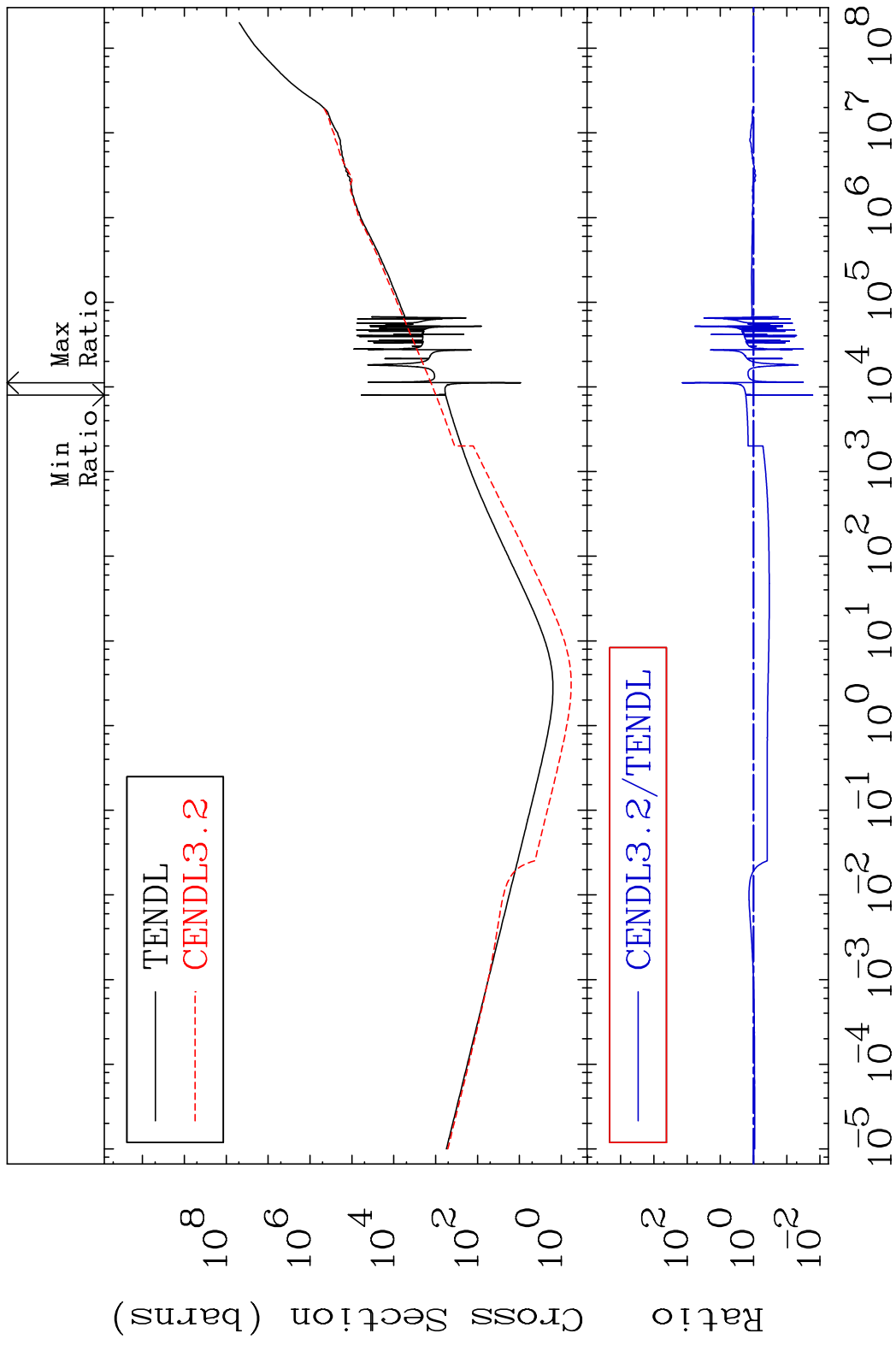
Incident Energy (eV)

50-Sn-126

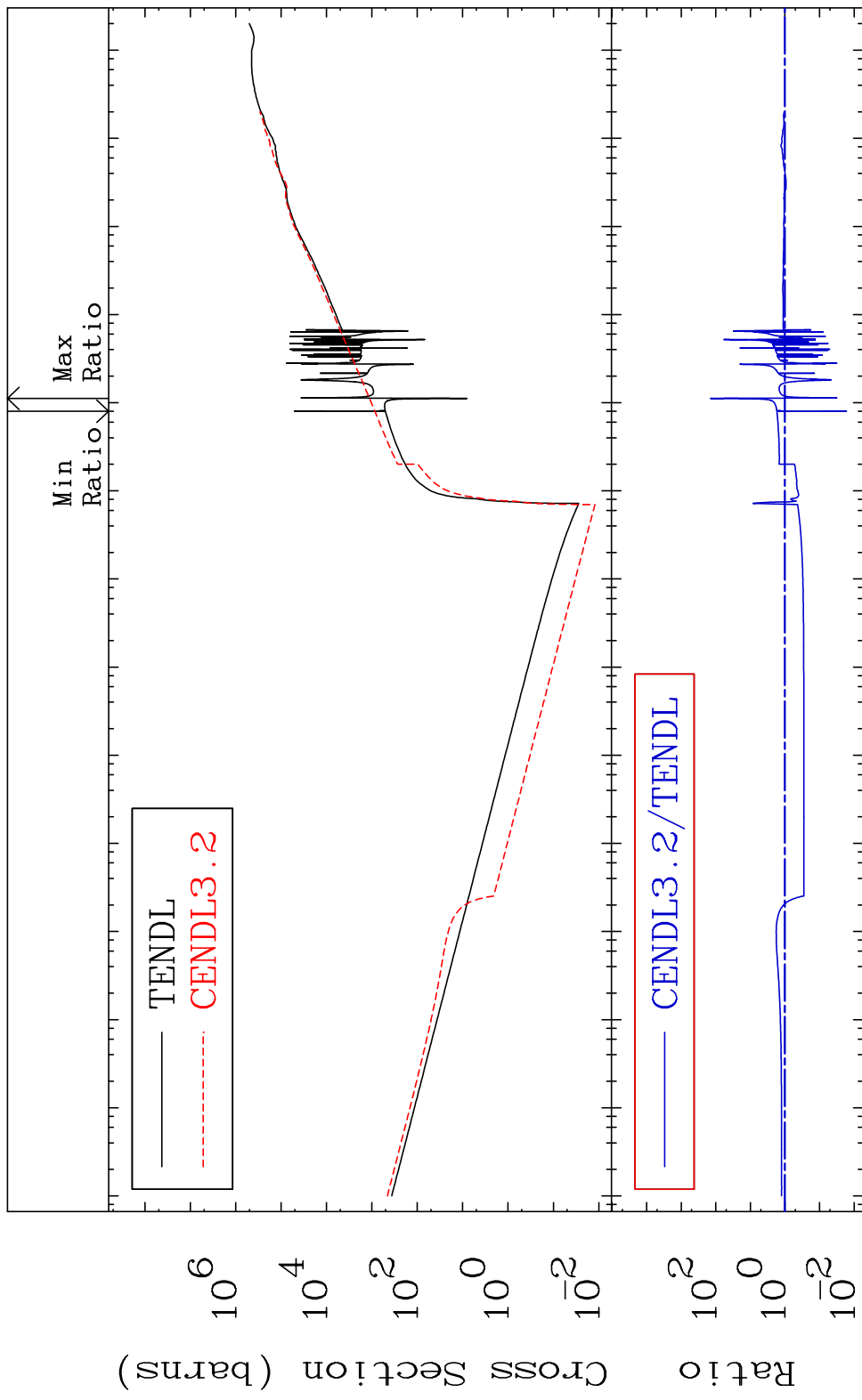
MAT 5067 Total photon (eV-barns) 50-Sn-126
 Cross Section -99.99 To 9999. %



MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
 Cross Section -98.33 To 9999. %



MAT 5067 Dpa total (eV-barns) 50-Sn-126
 Cross Section -98.32 To 9999. %



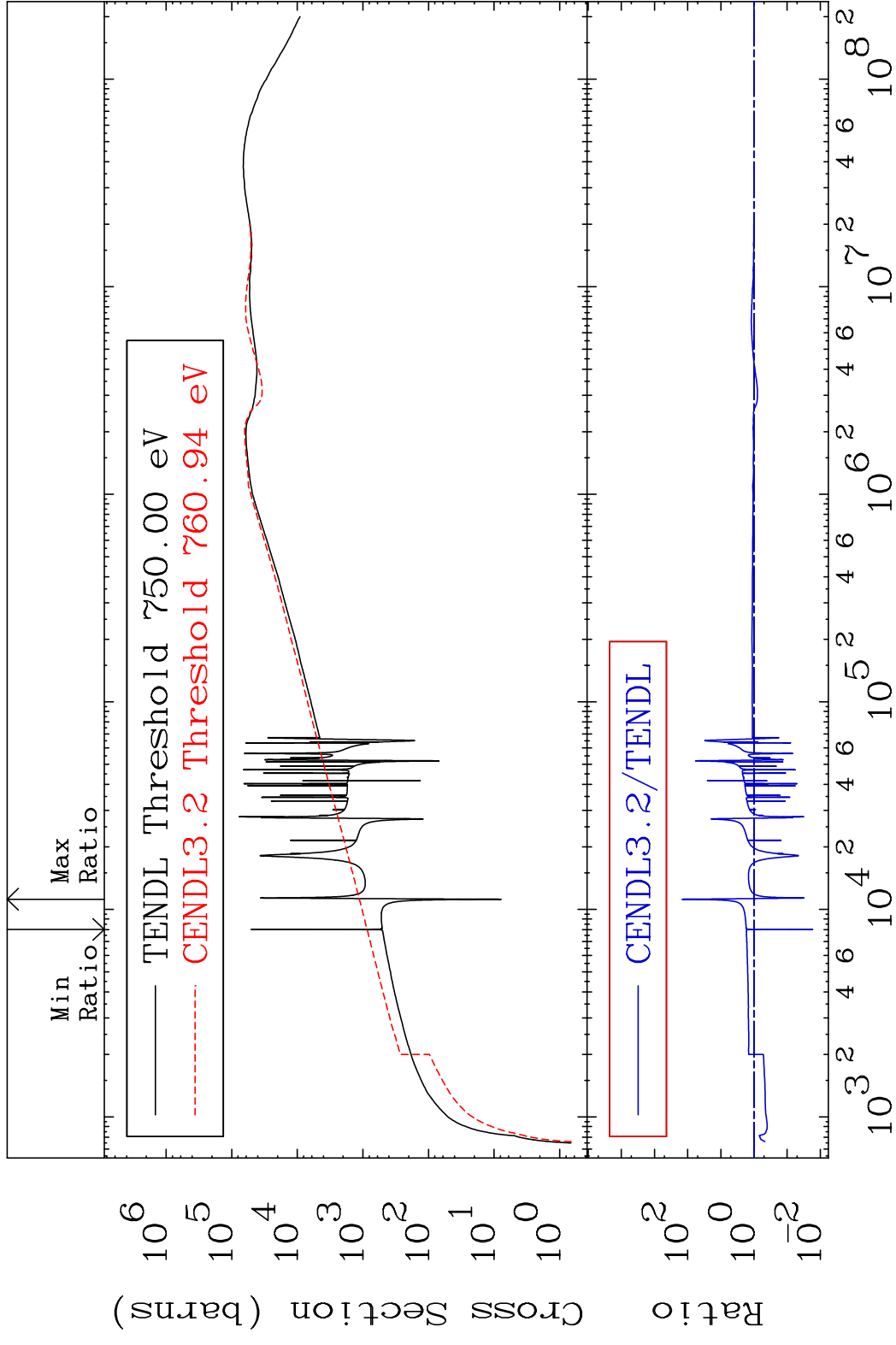
40 Incident Energy (eV) 50-Sn-126

MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -98.28 To 9999. %



41

Incident Energy (eV)

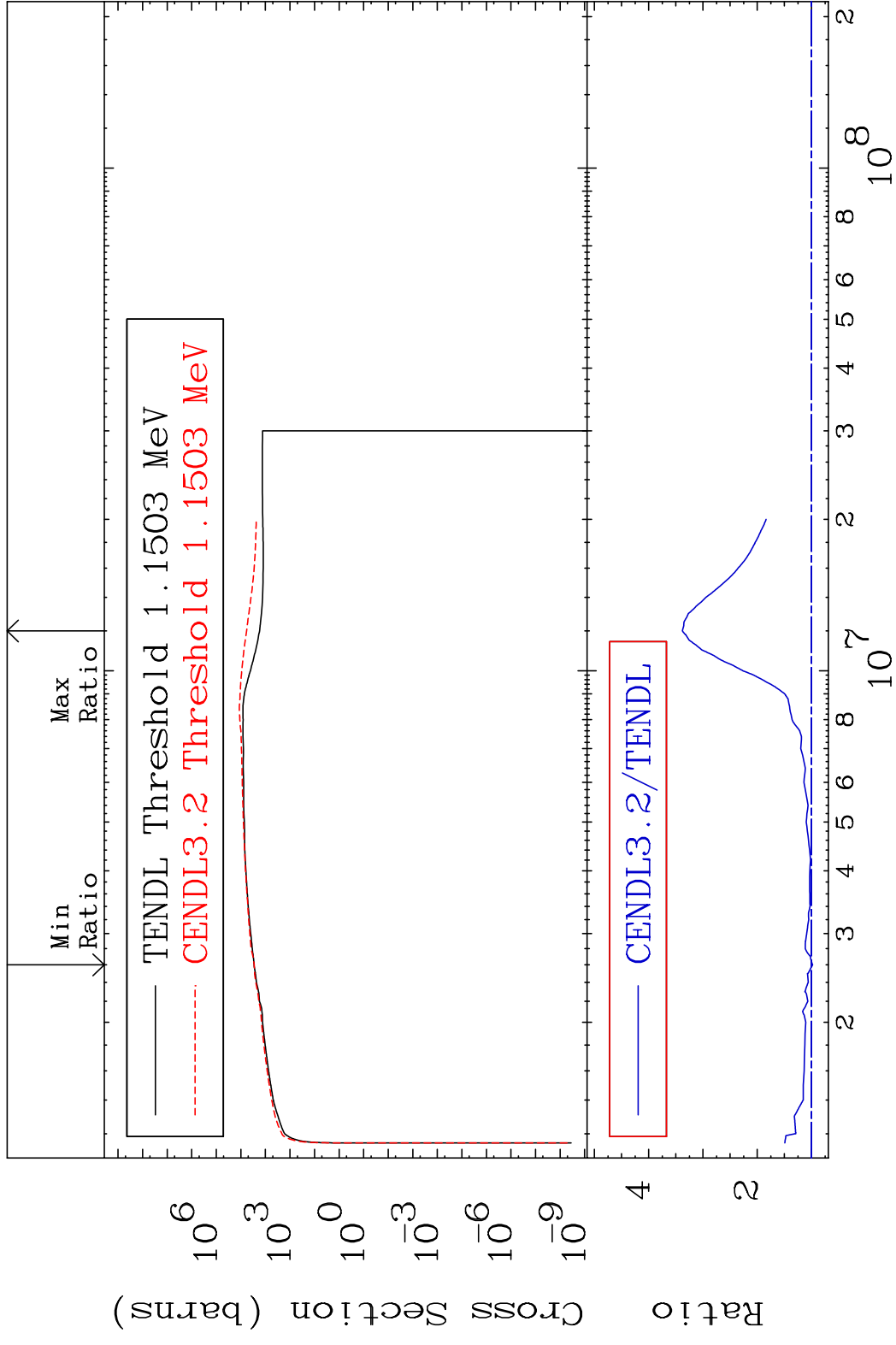
50-Sn-126

MAT 5067

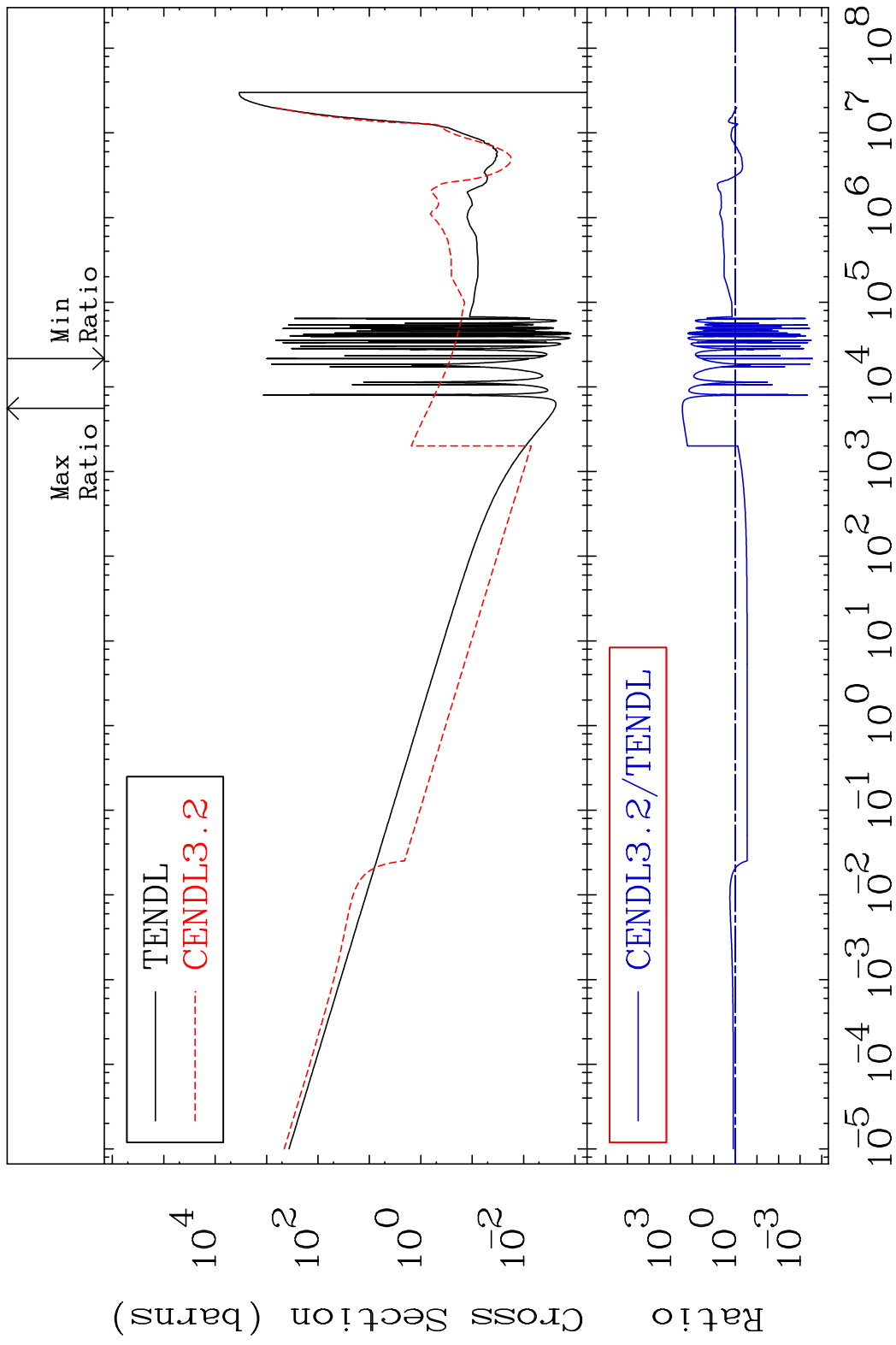
Dpa inelastic (mt51-91)

50-Sn-126

Cross Section -1.968 To 237.9 %



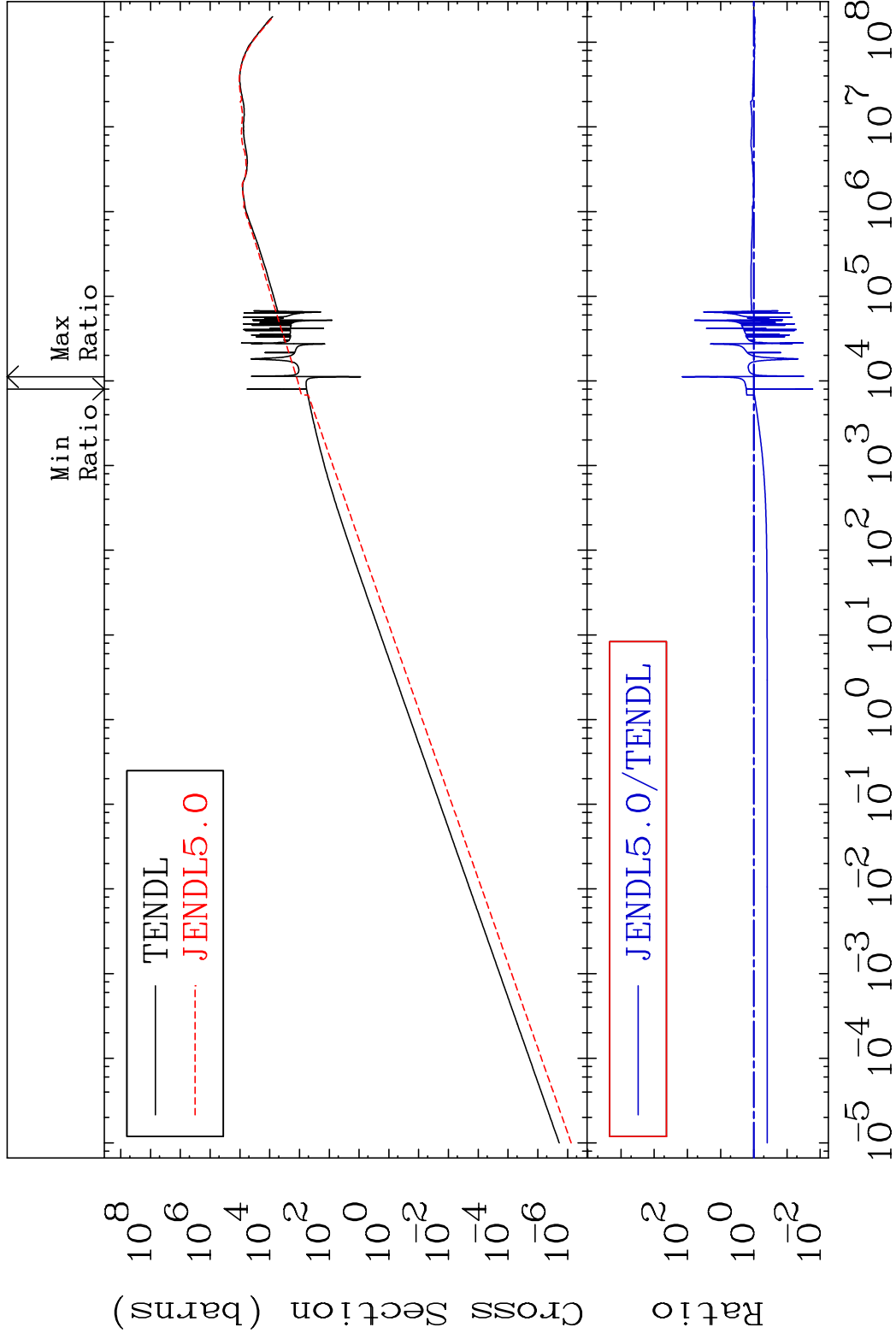
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
 Cross Section -99.97 To 9999. %



MAT 5067

Kerma elastic
Cross Section

50-Sn-126
-98.30 To 9999. %

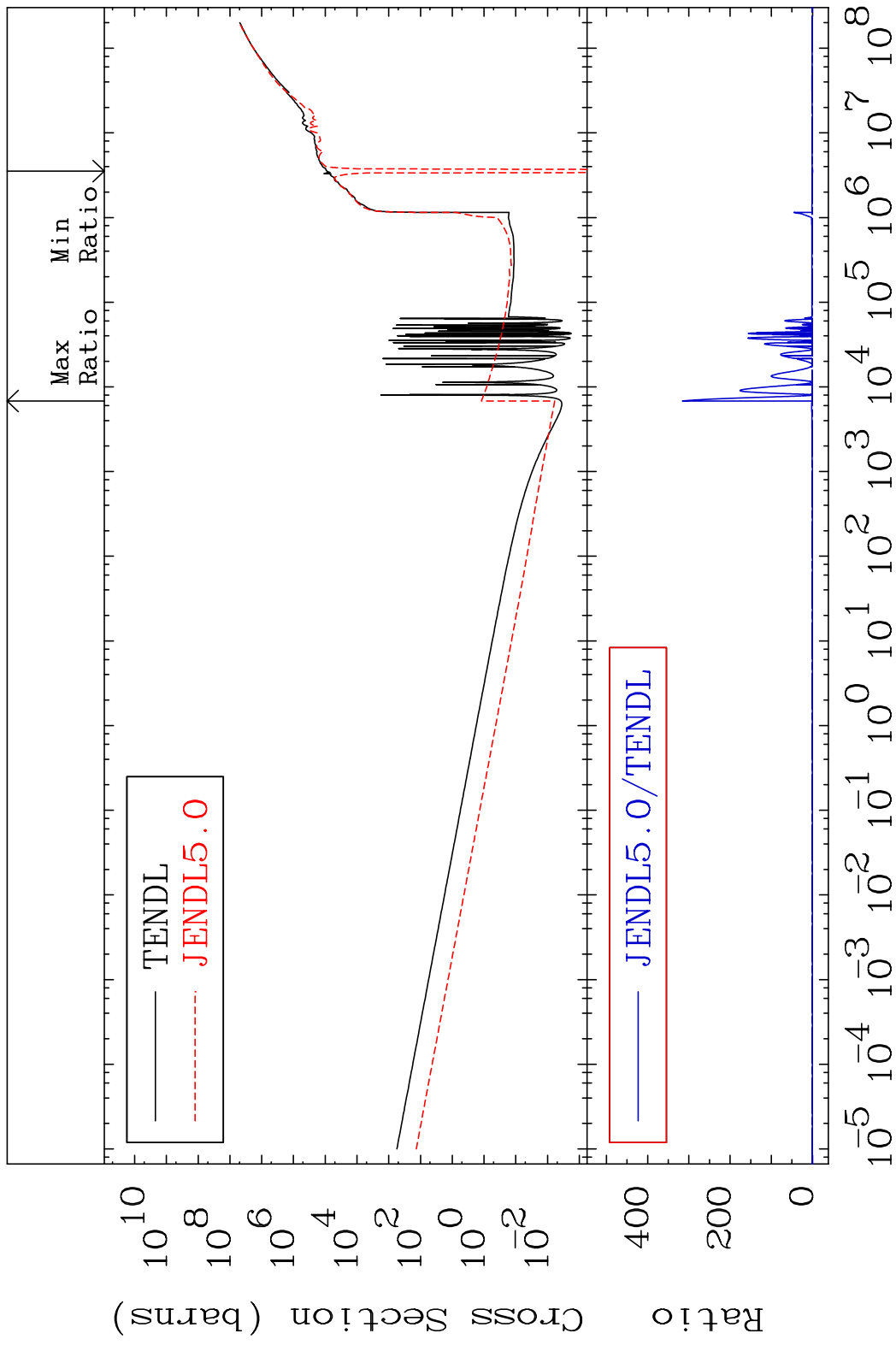


44

Incident Energy (eV)

50-Sn-126

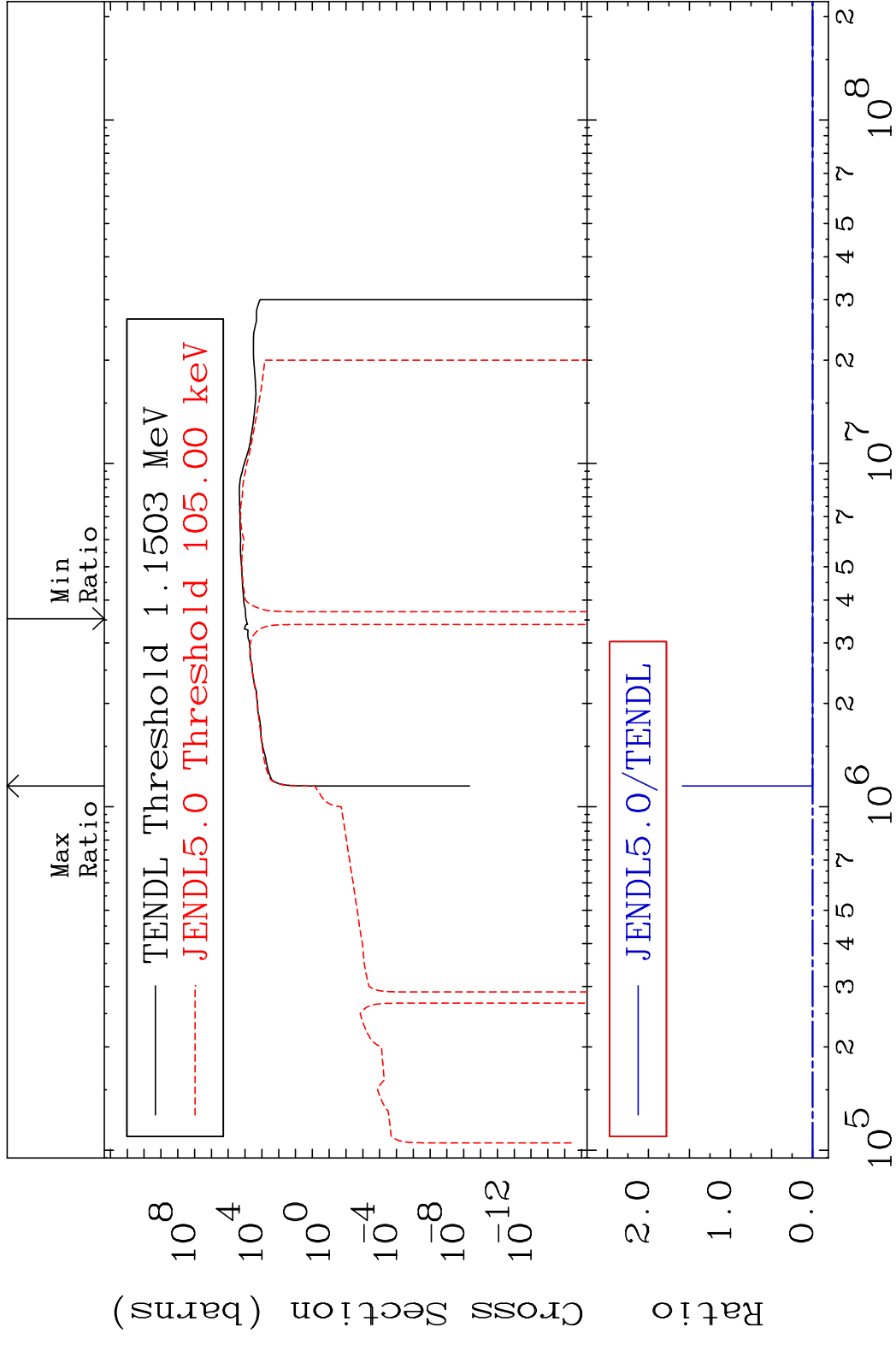
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
 Cross Section -111.3 To 9999. %



45 Incident Energy (eV) 50-Sn-126

MAT 5067

Kerma inelastic (mt51-91) 50-Sn-126
Cross Section -111.3 To 9999. %

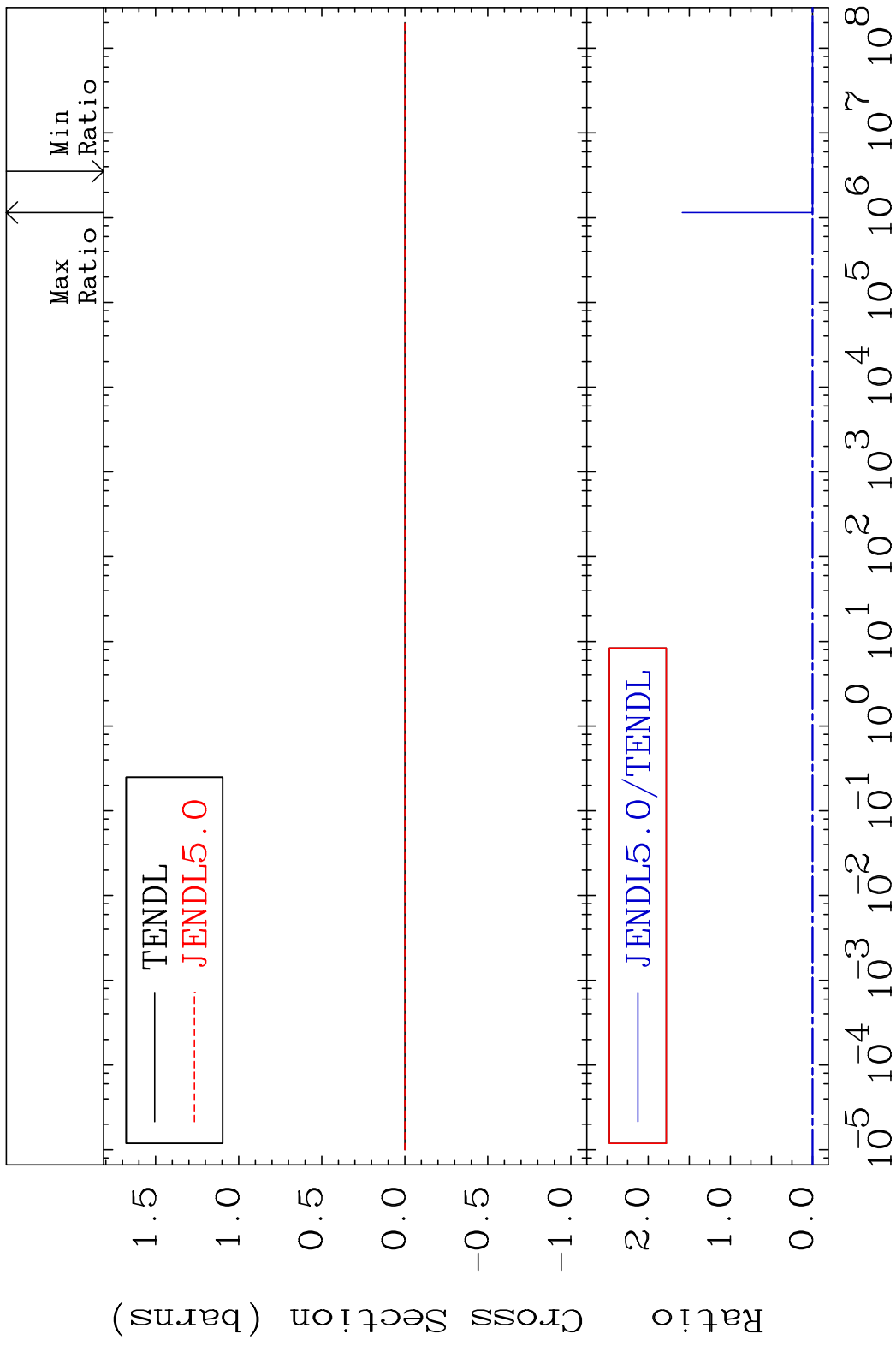


46

Incident Energy (eV)

50-Sn-126

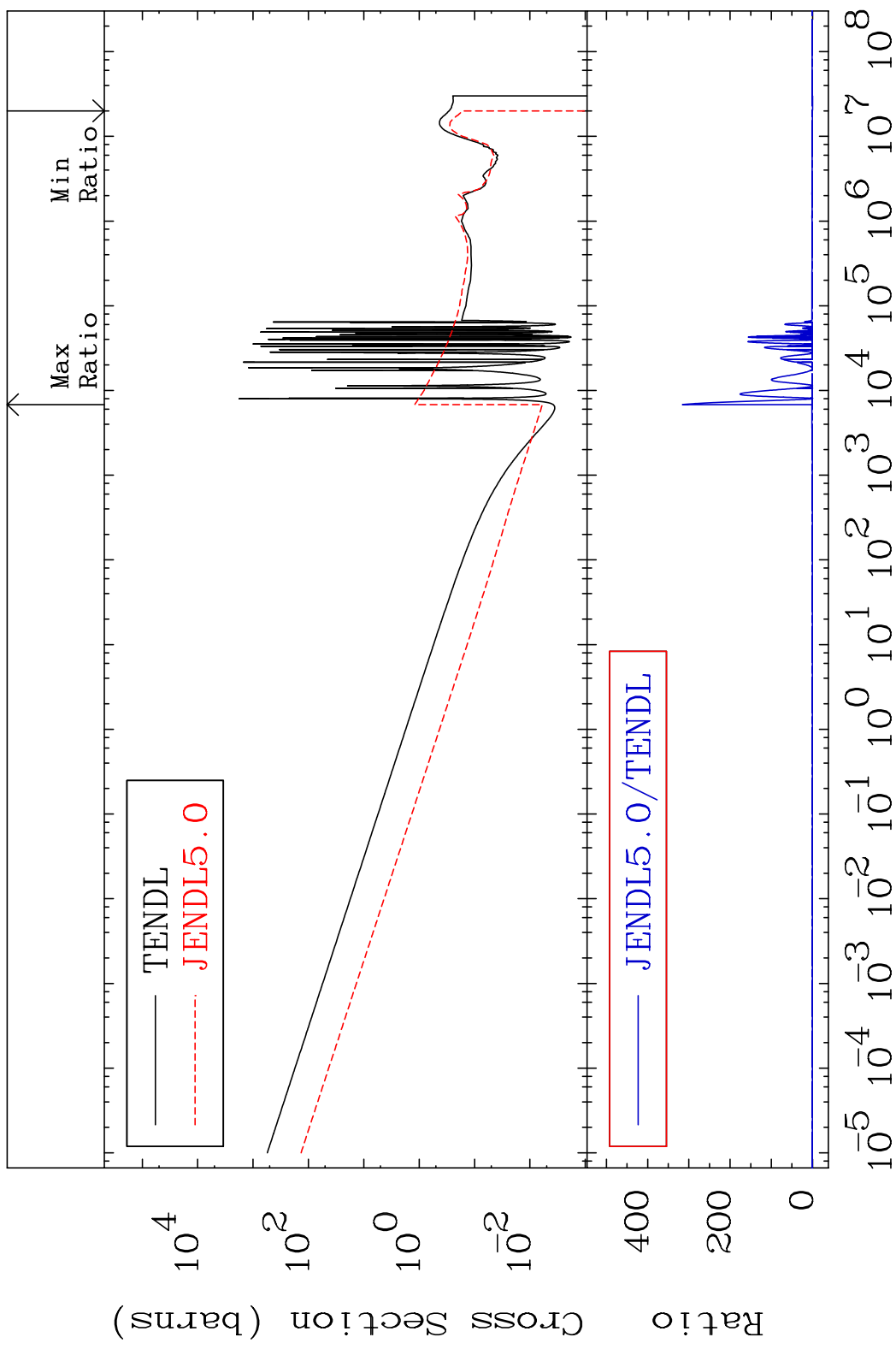
MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126
 Cross Section -111.3 To 9999. %



MAT 5067

Kerma capture (mt102) 50-Sn-126

Cross Section -100.0 To 9999. %



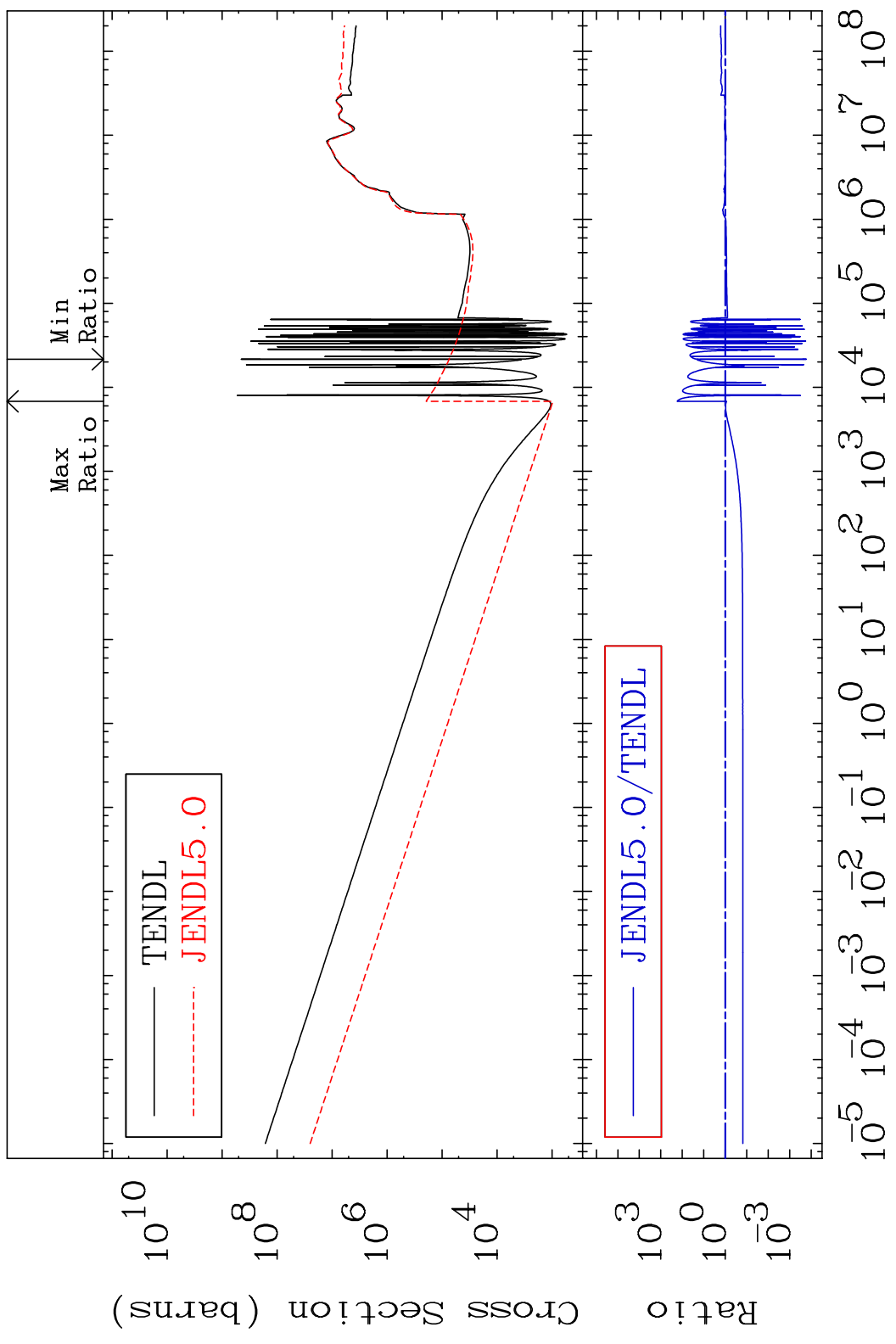
48

Incident Energy (eV)

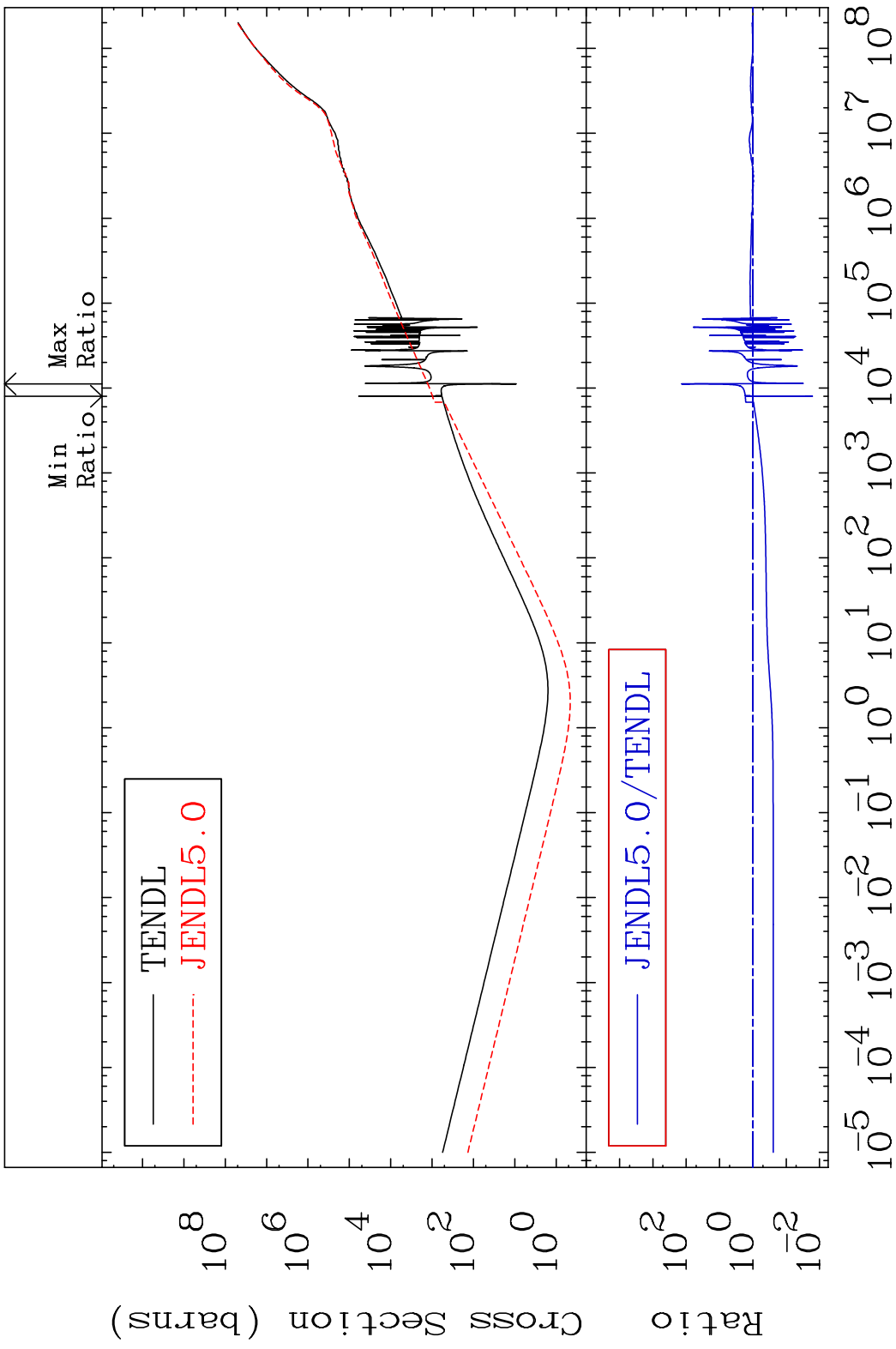
50-Sn-126

MAT 5067

Total photon (eV-barns) 50-Sn-126
Cross Section -99.98 To 9999. %

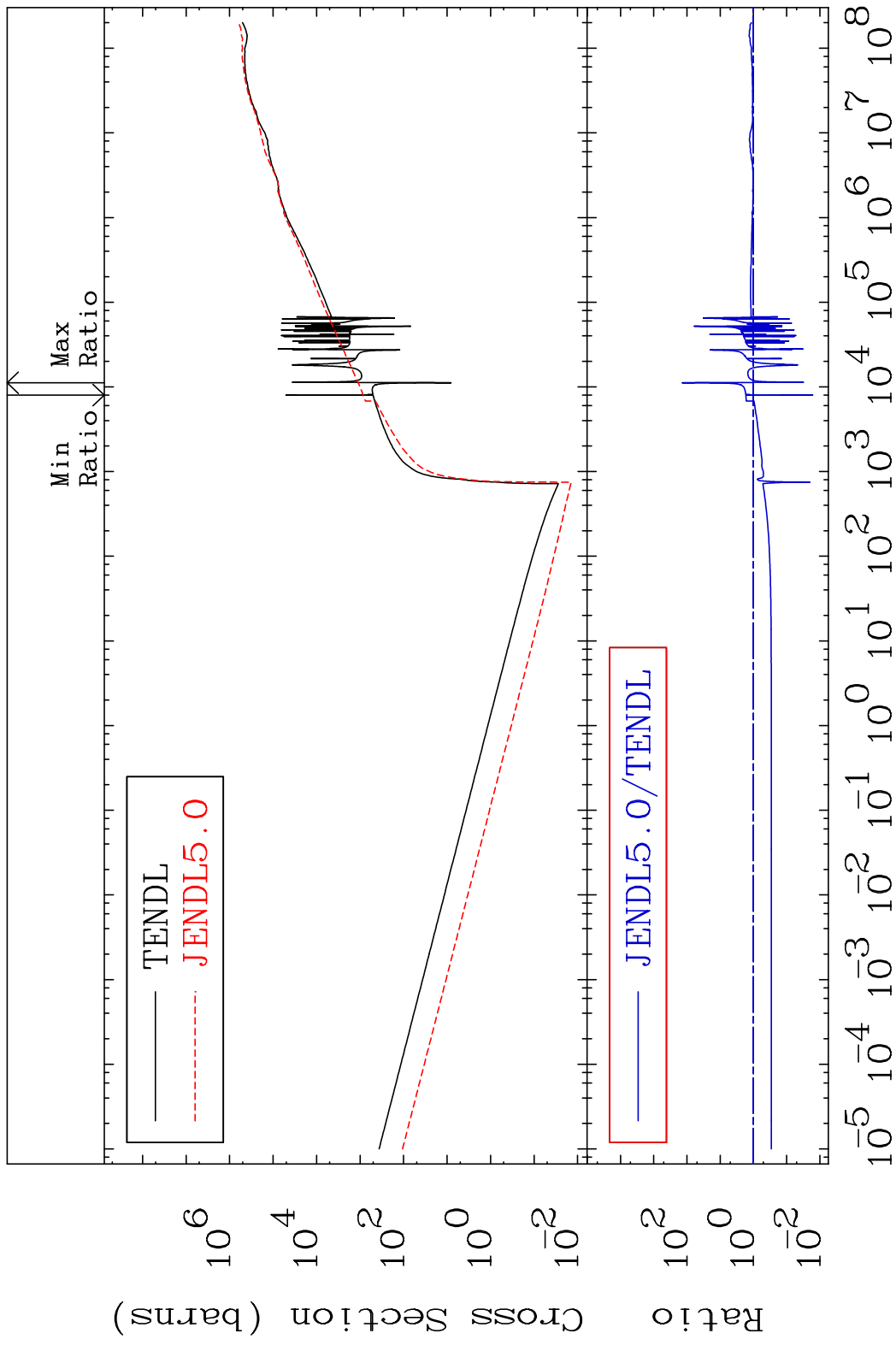


MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
Cross Section -98.35 To 9999. %



50 Incident Energy (eV) 50-Sn-126

MAT 5067 Dpa total (eV-barns) 50-Sn-126
 Cross Section -98.34 To 9999. %

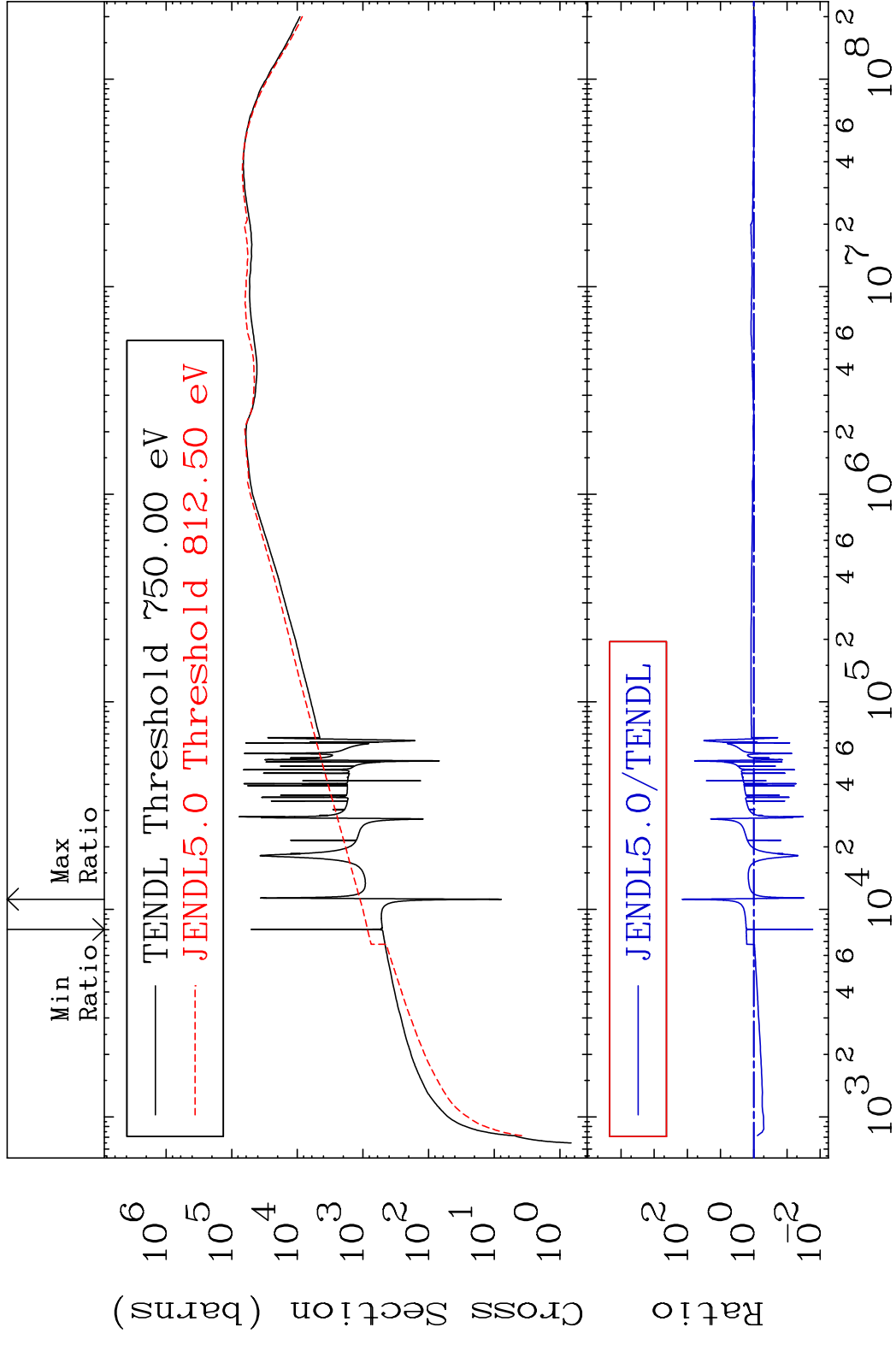


MAT 5067

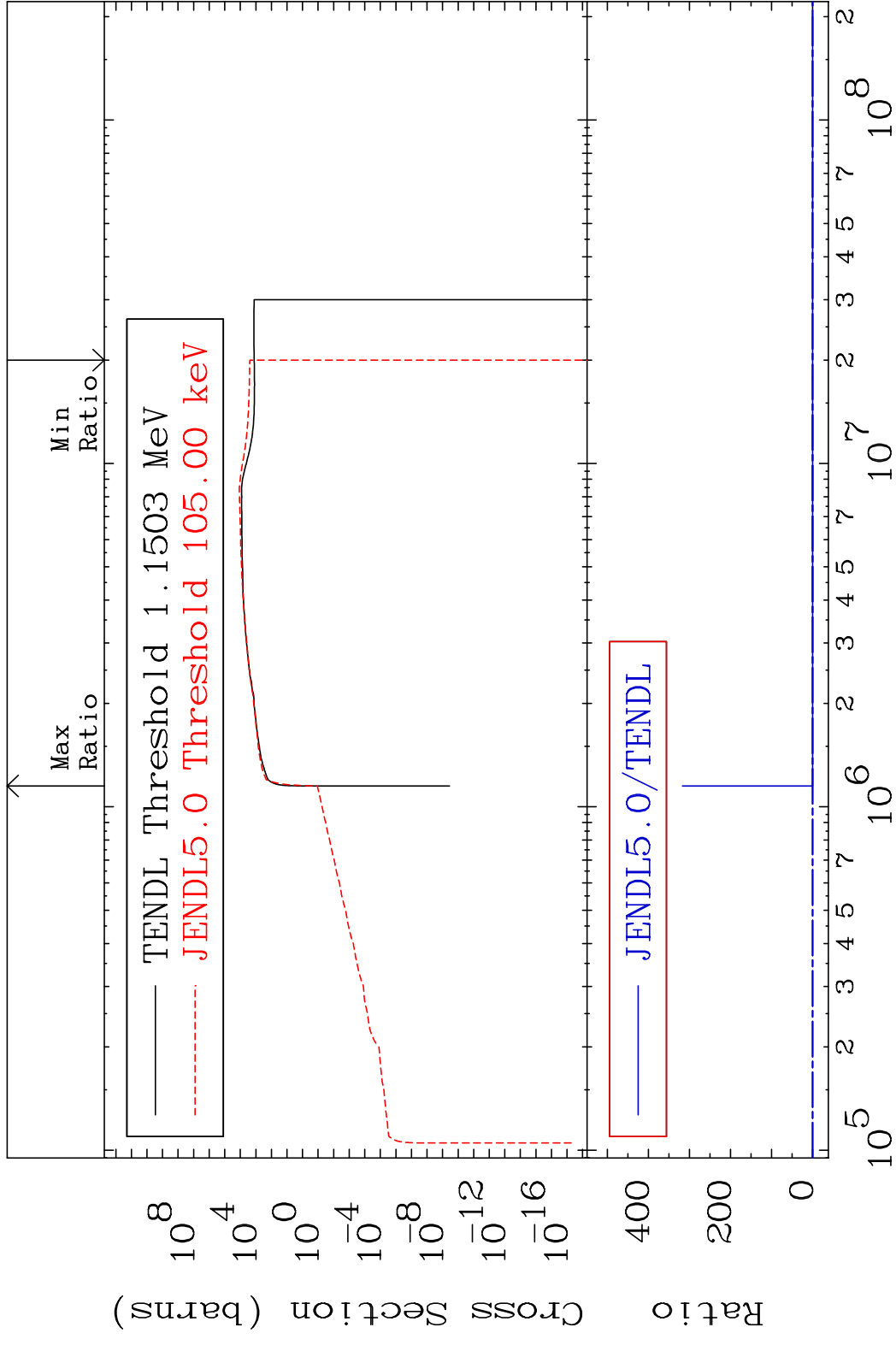
Dpa elastic (mt2)

50-Sn-126

Cross Section -98.31 To 9999. %

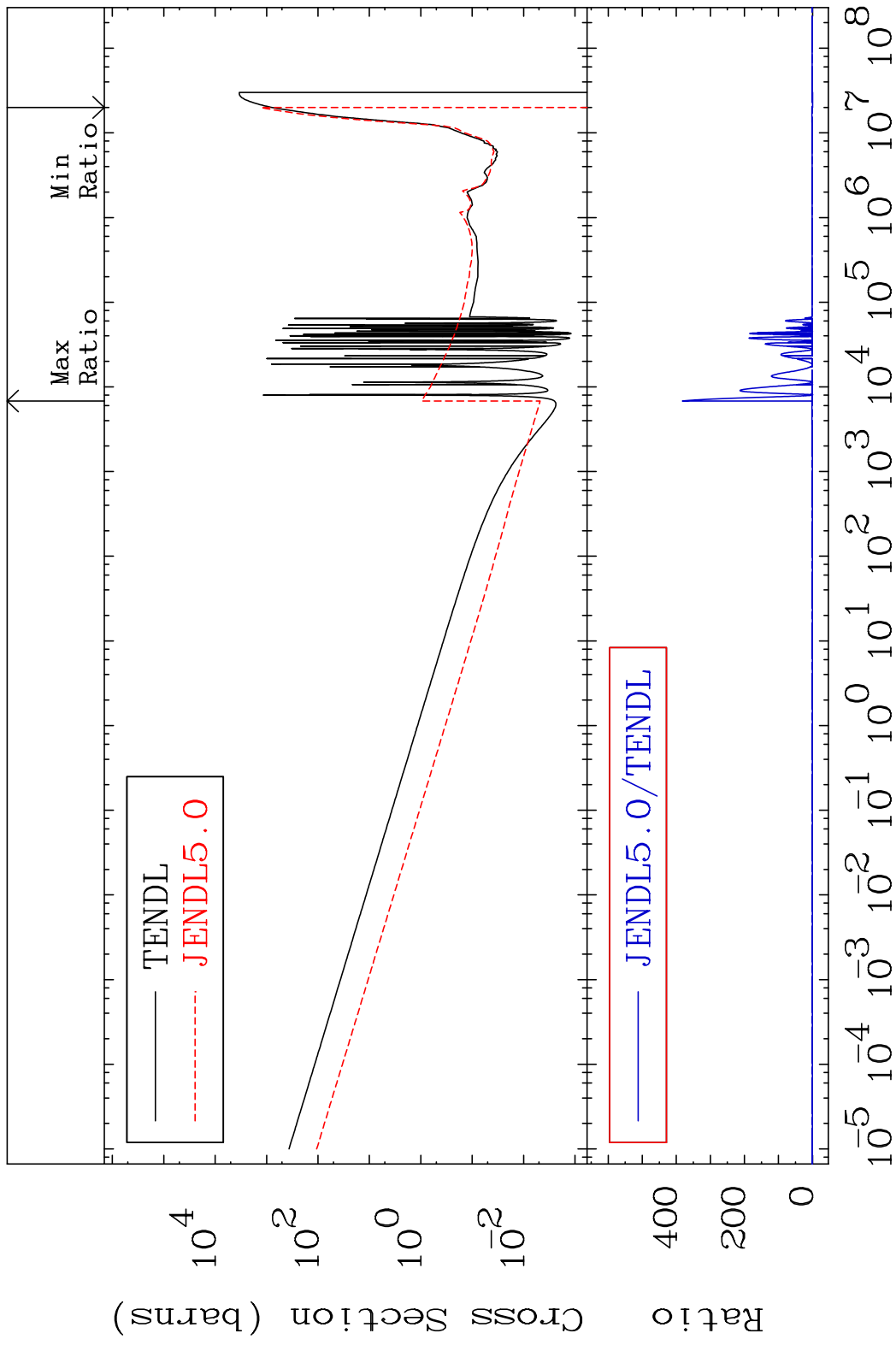


MAT 5067 Dpa inelastic (mt51-91) 50-Sn-126
 Cross Section -100.0 To 9999. %



53 Incident Energy (eV) 50-Sn-126

MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
 Cross Section -100.0 To 9999. %

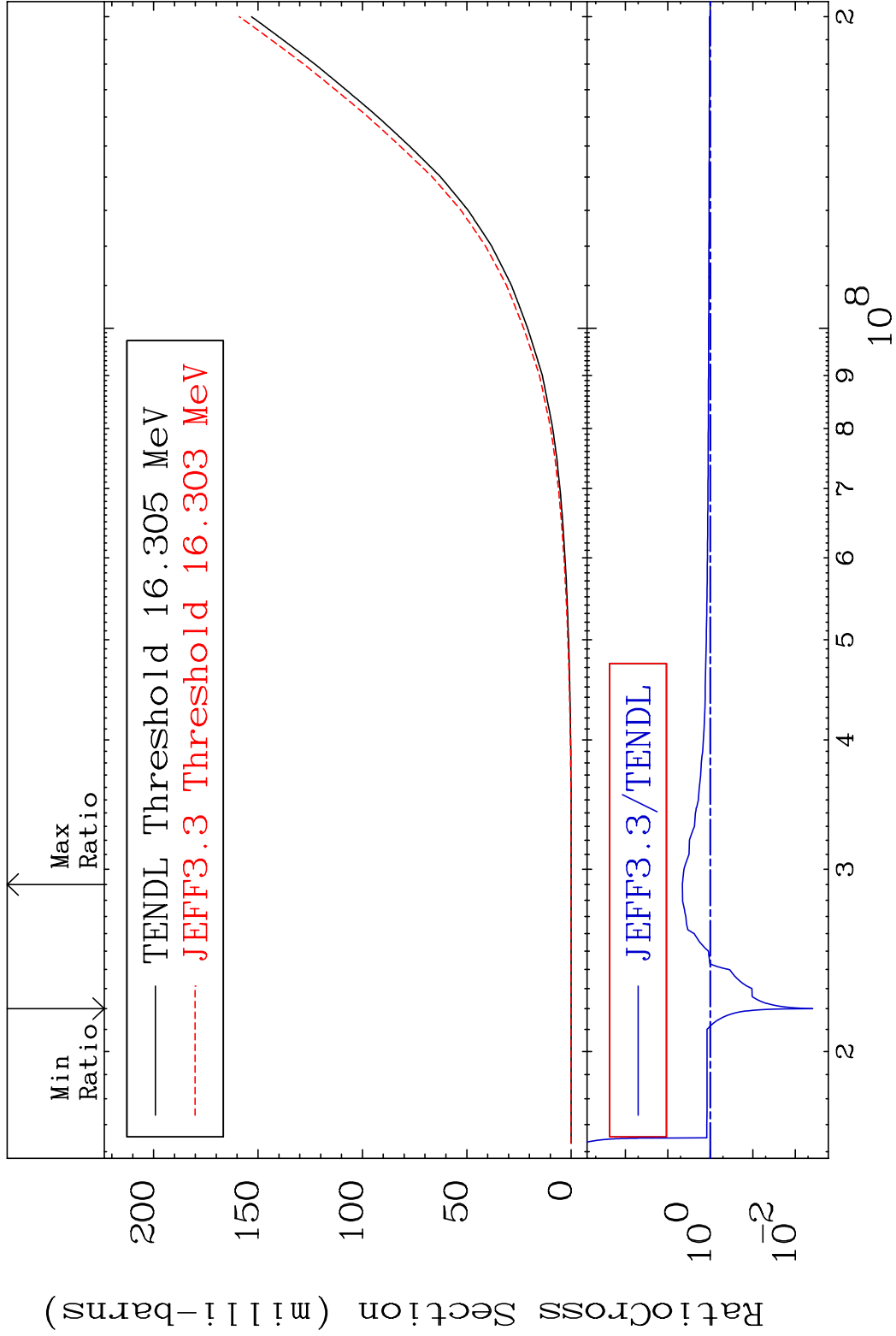


MAT 5067

He-3 Production

50-Sn-126

Cross Section -99.61 To 354.6 %



55

Incident Energy (eV)

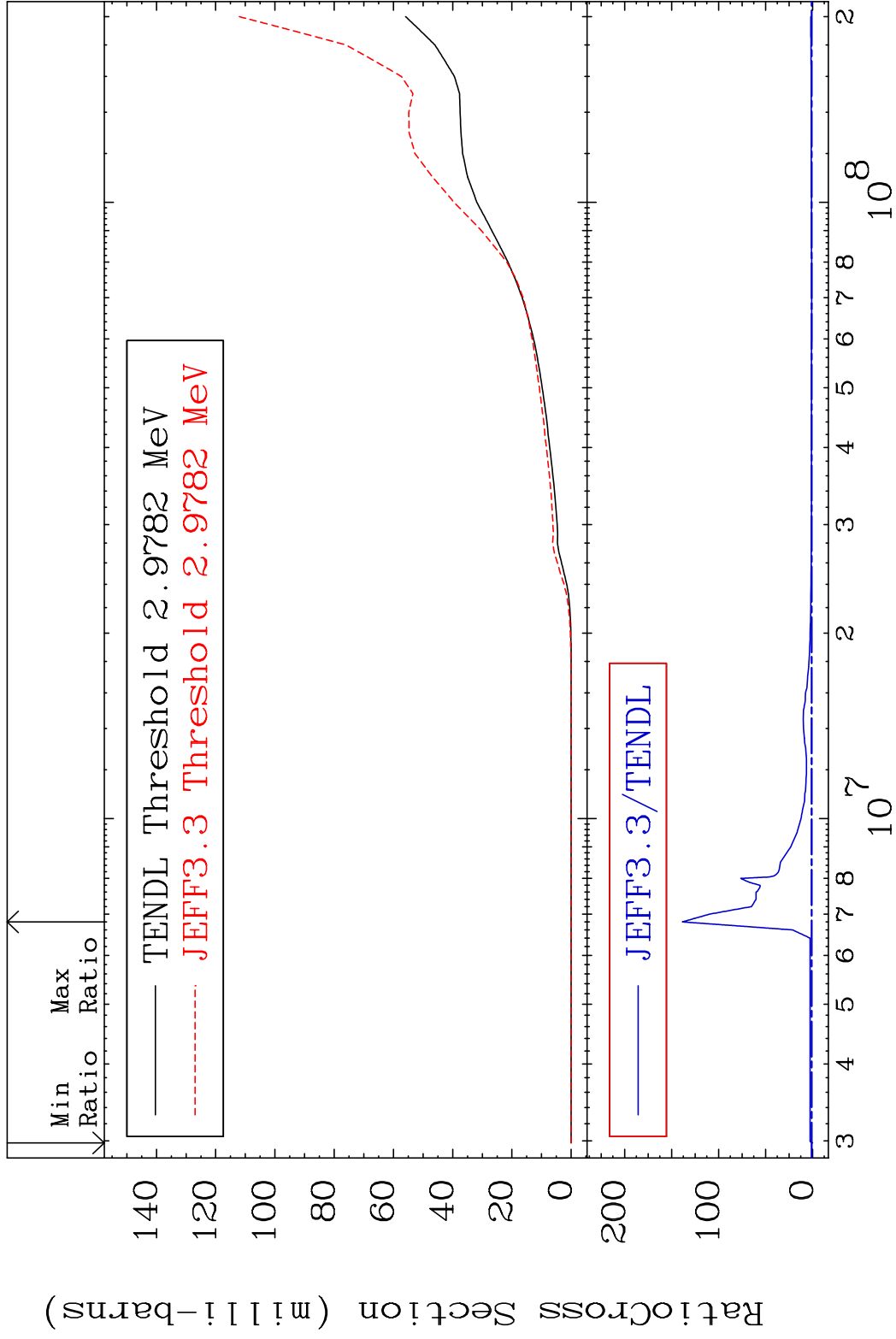
50-Sn-126

MAT 5067

He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %

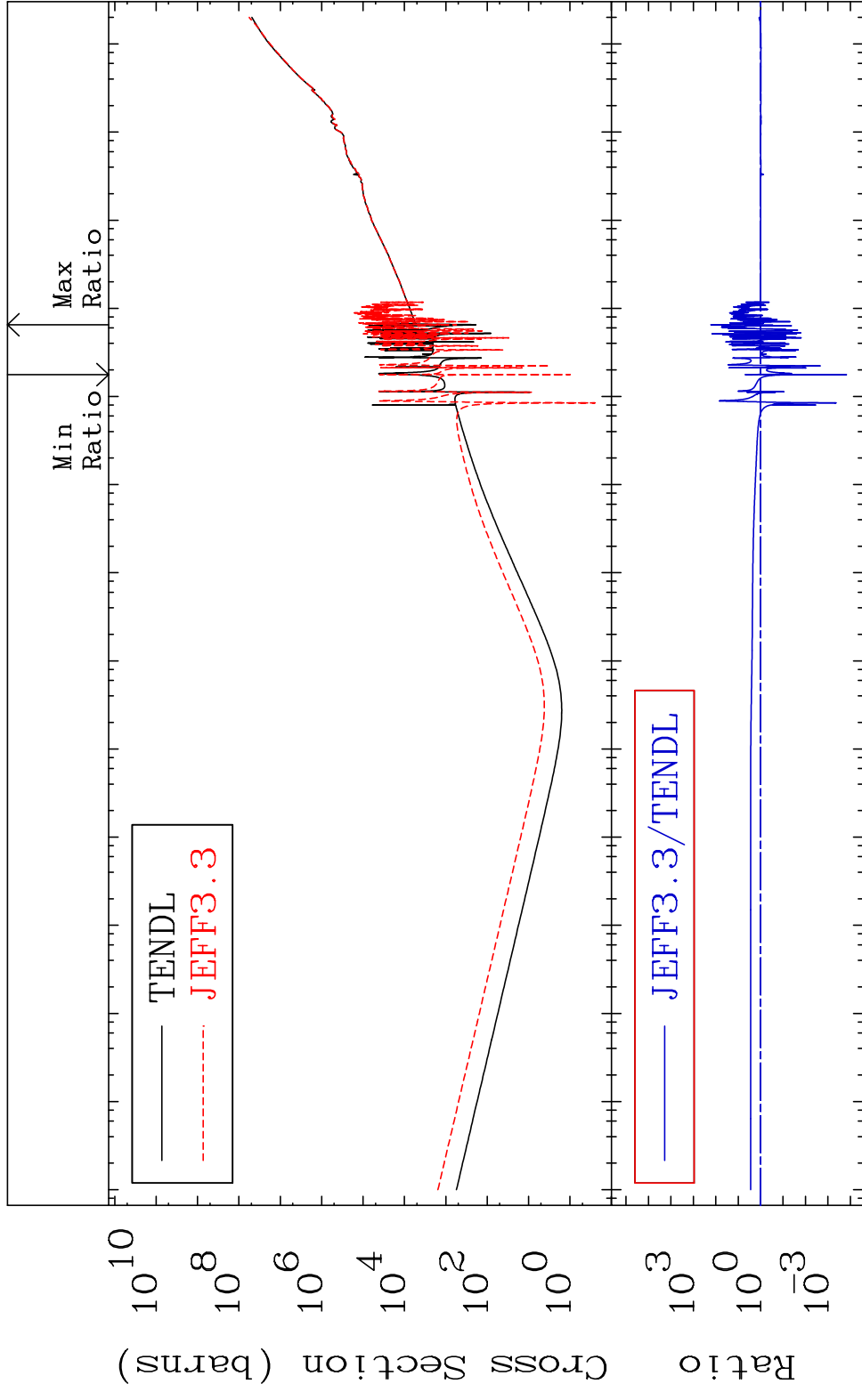


56

Incident Energy (eV)

50-Sn-126

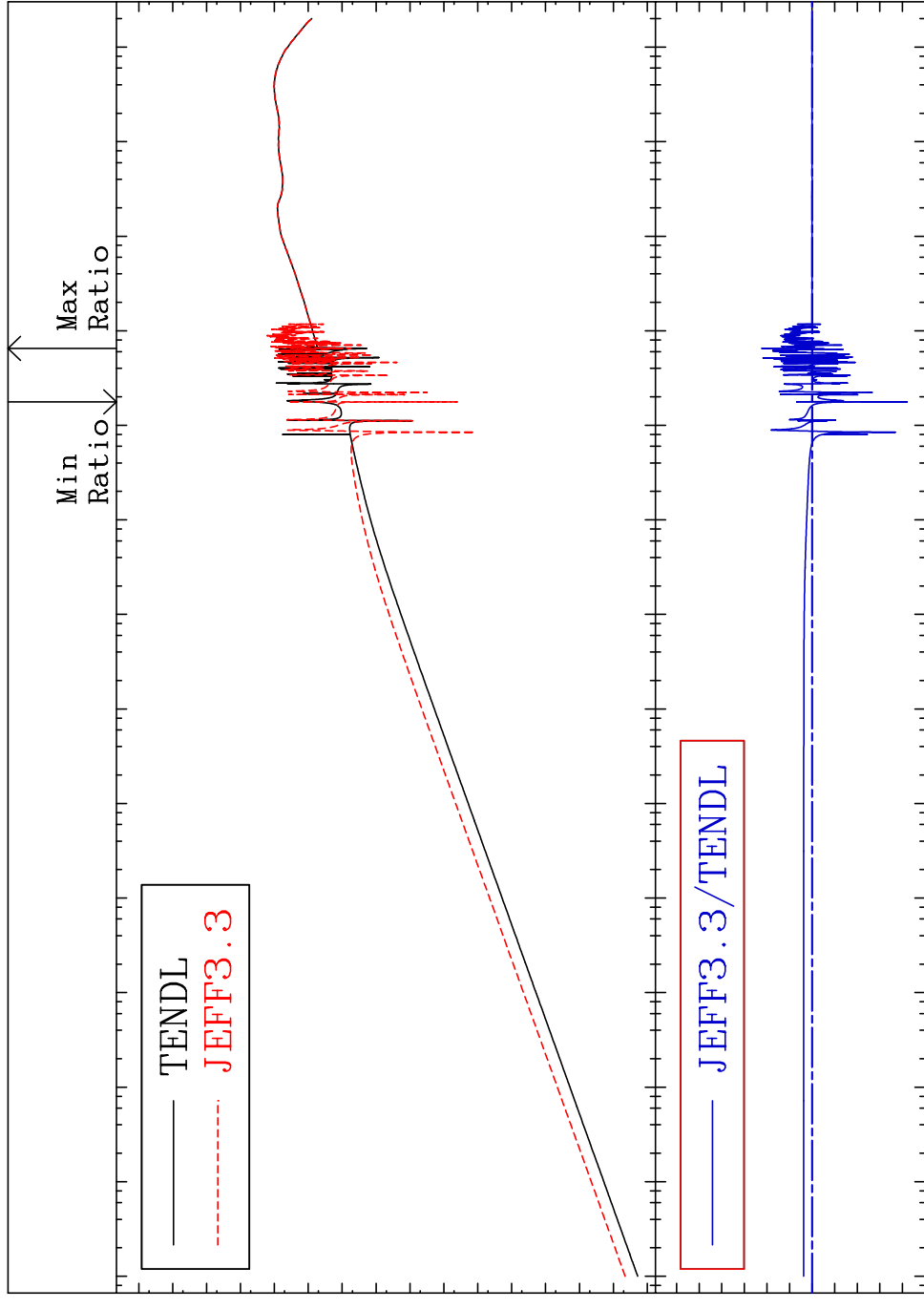
MAT 5067 Kerma total (eV-barns) 50-Sn-126
 Cross Section -99.98 To 9999. %



MAT 5067

Kerma elastic
Cross Section

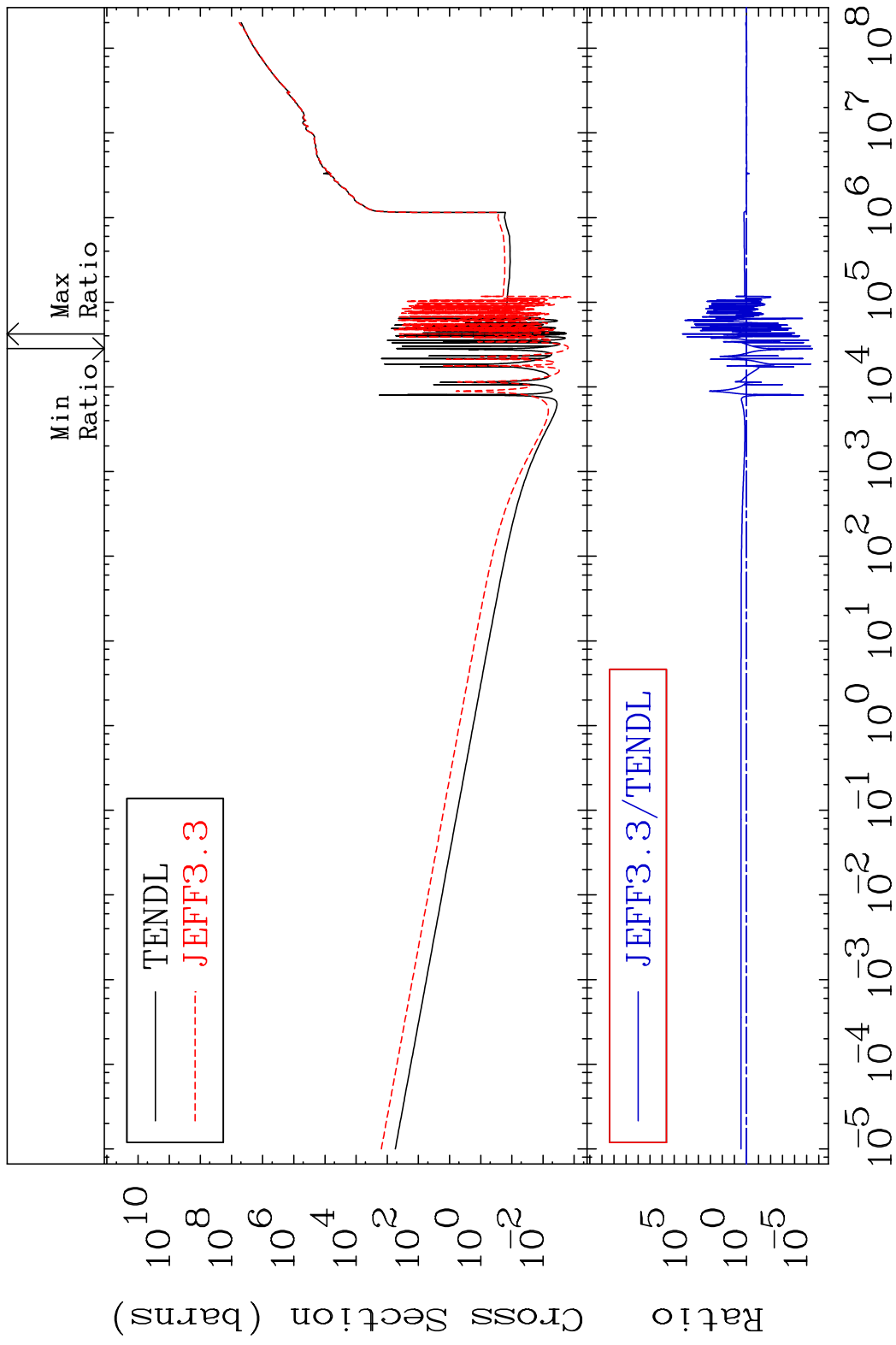
50-Sn-126
-99.99 To 9999. %



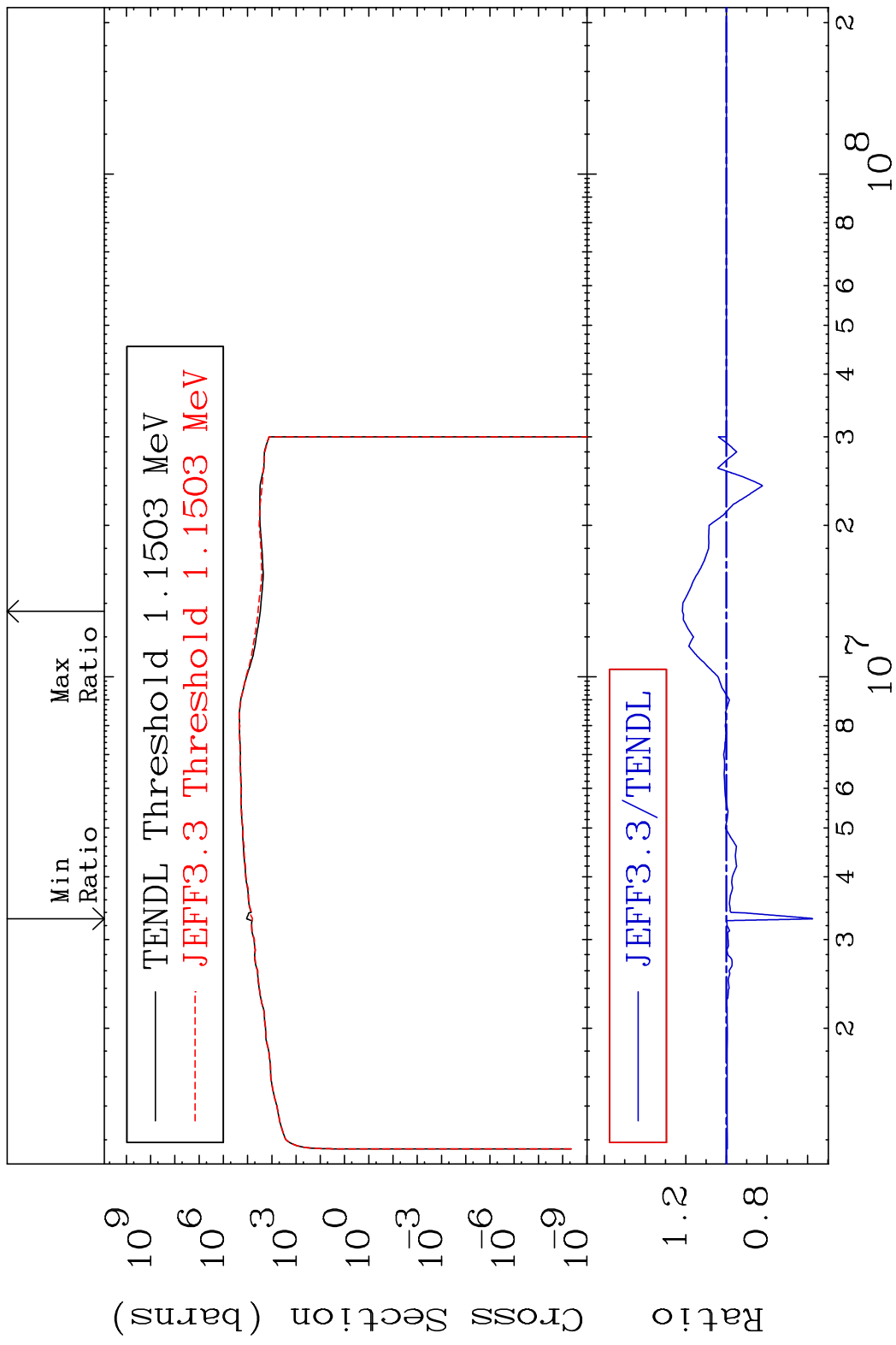
10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^3
 10^0
 10^{-3}

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

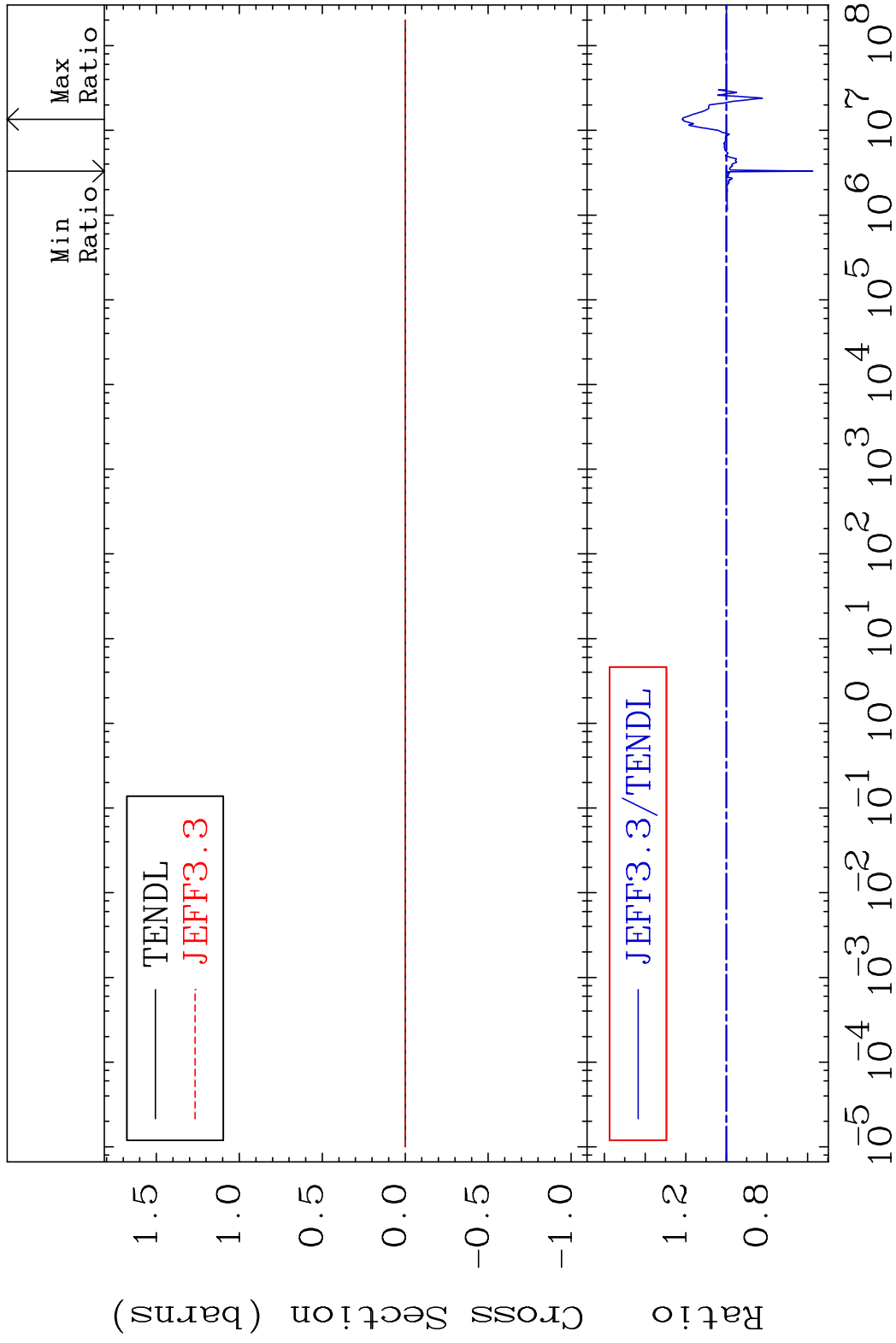
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126
 Cross Section -100.0 To 9999. %



MAT 5067 Kerma inelastic (mt51-91) 50-Sn-126
 Cross Section -42.49 To 21.65 %

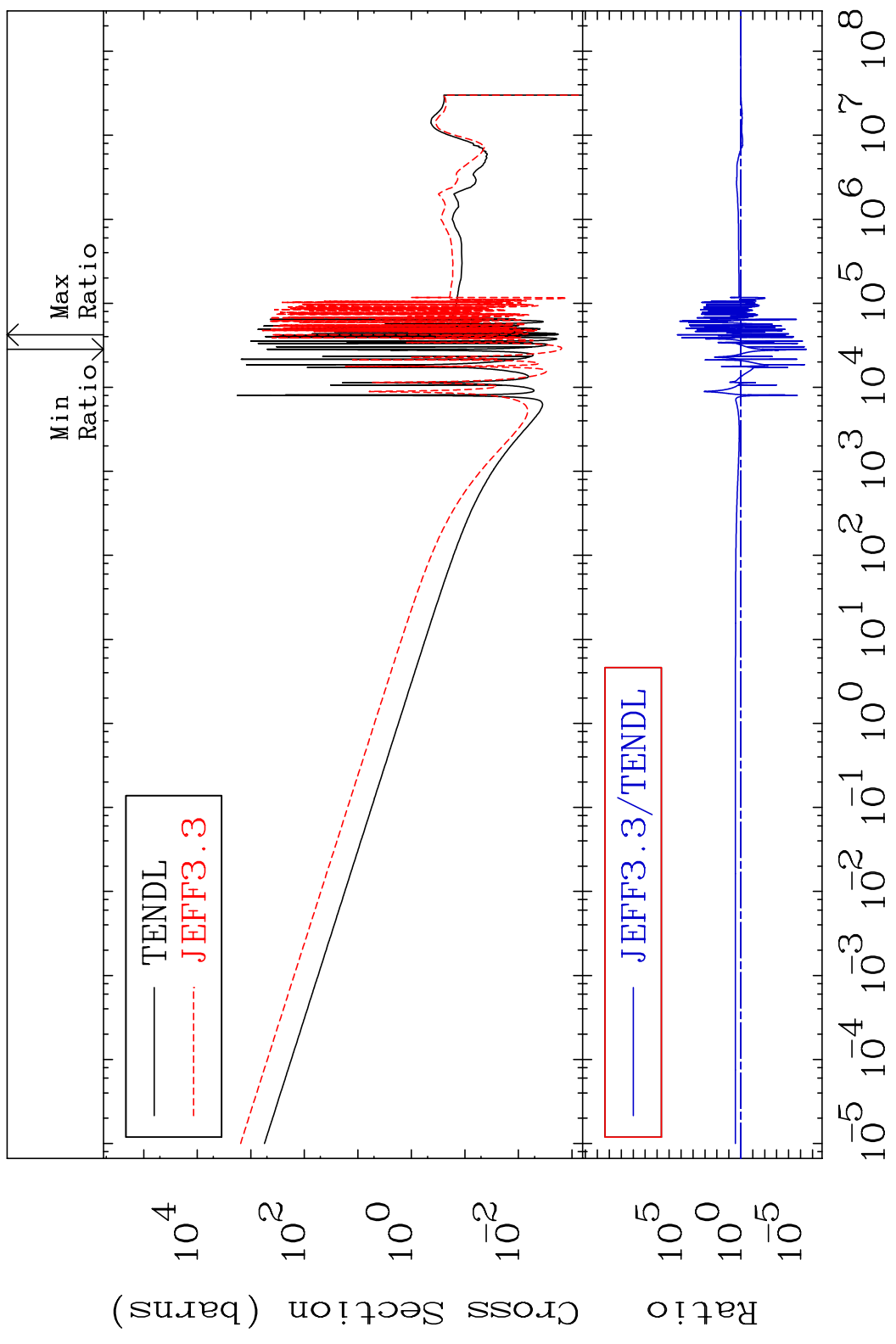


MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126
 Cross Section -42.49 To 21.65 %



MAT 5067

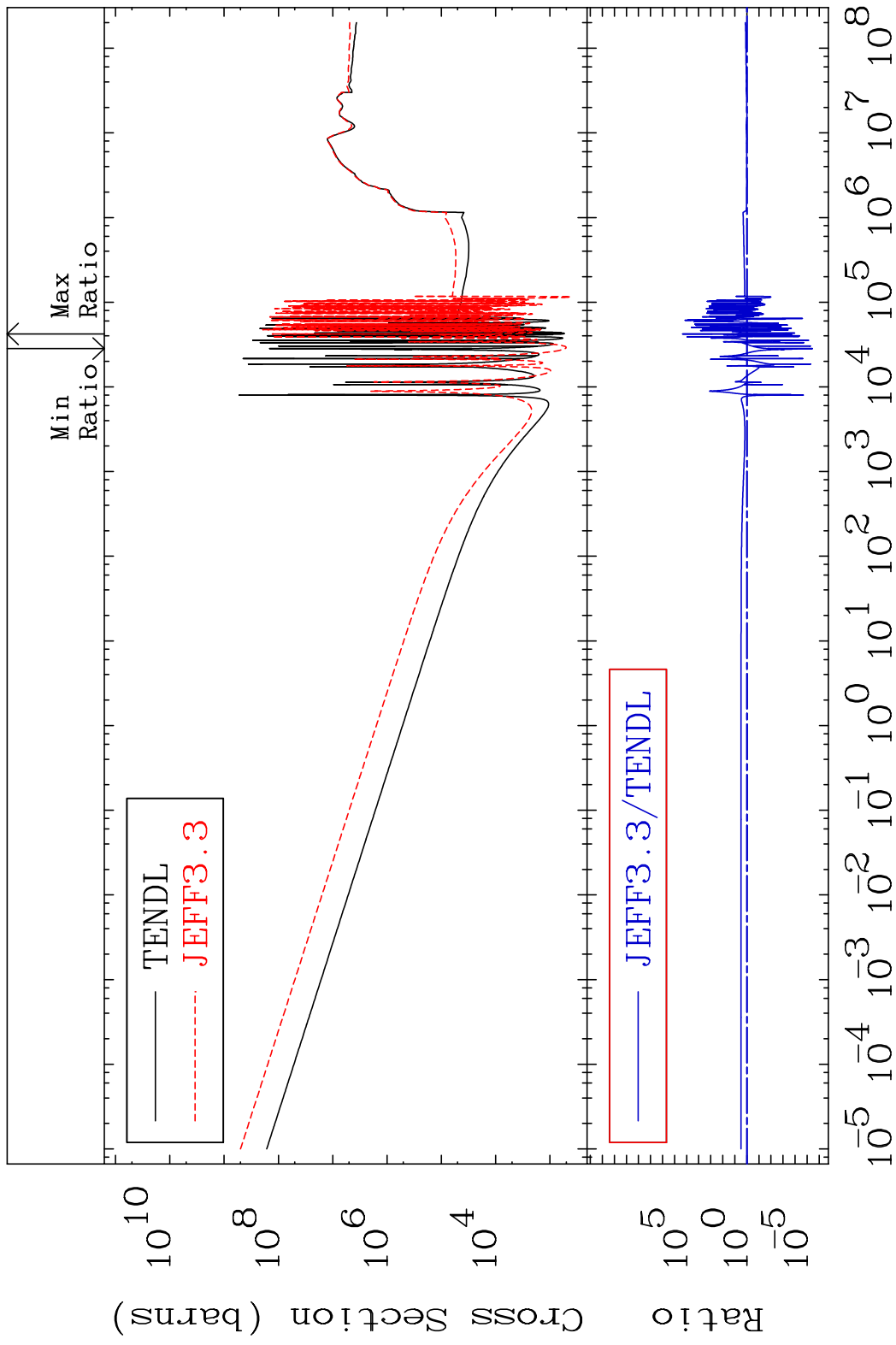
Kerma capture (mt102) 50-Sn-126
Cross Section -100.0 To 9999. %



62

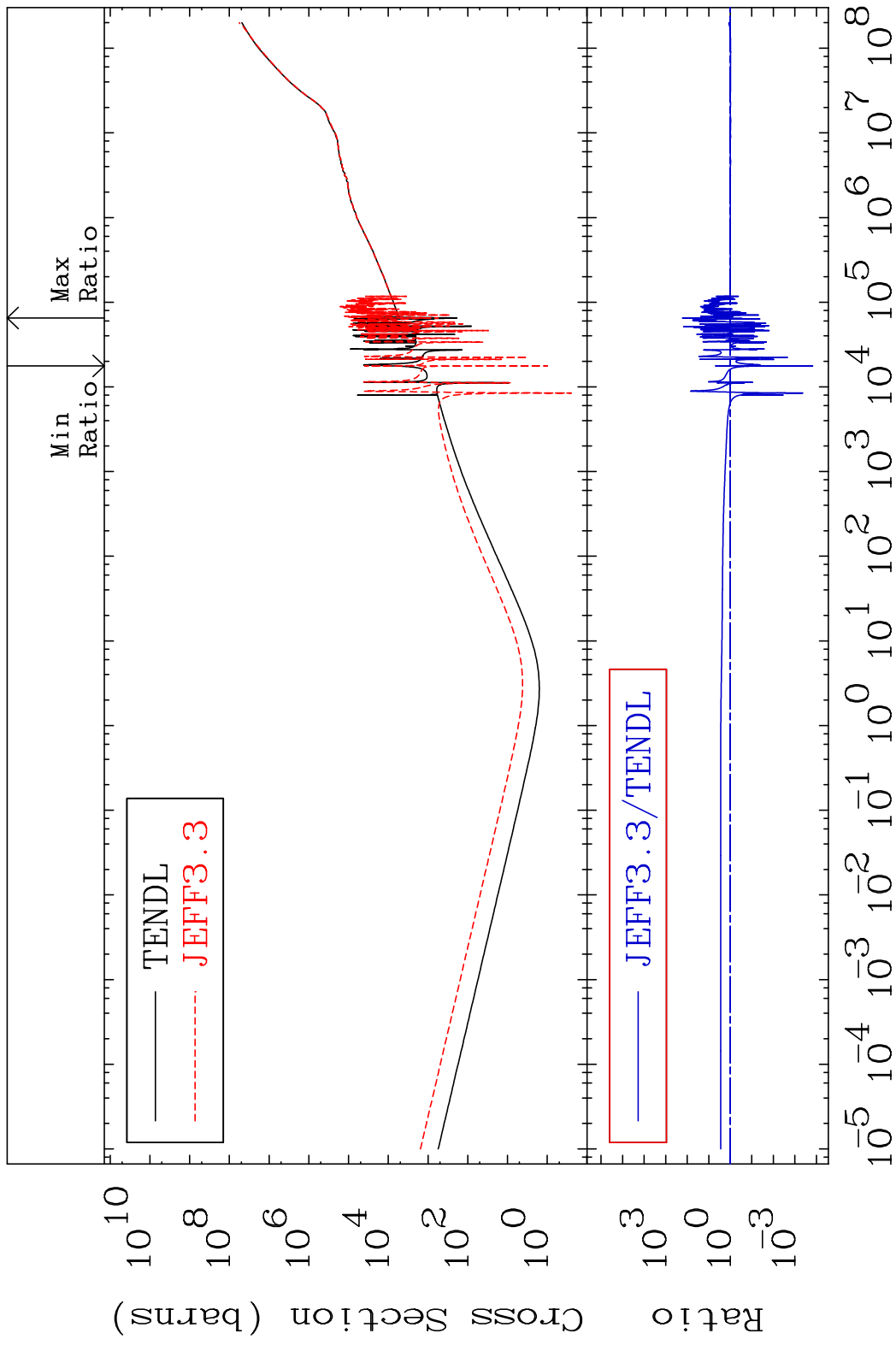
Incident Energy (eV) 50-Sn-126

MAT 5067 Total photon (eV-barns) 50-Sn-126
 Cross Section -100.0 To 9999. %

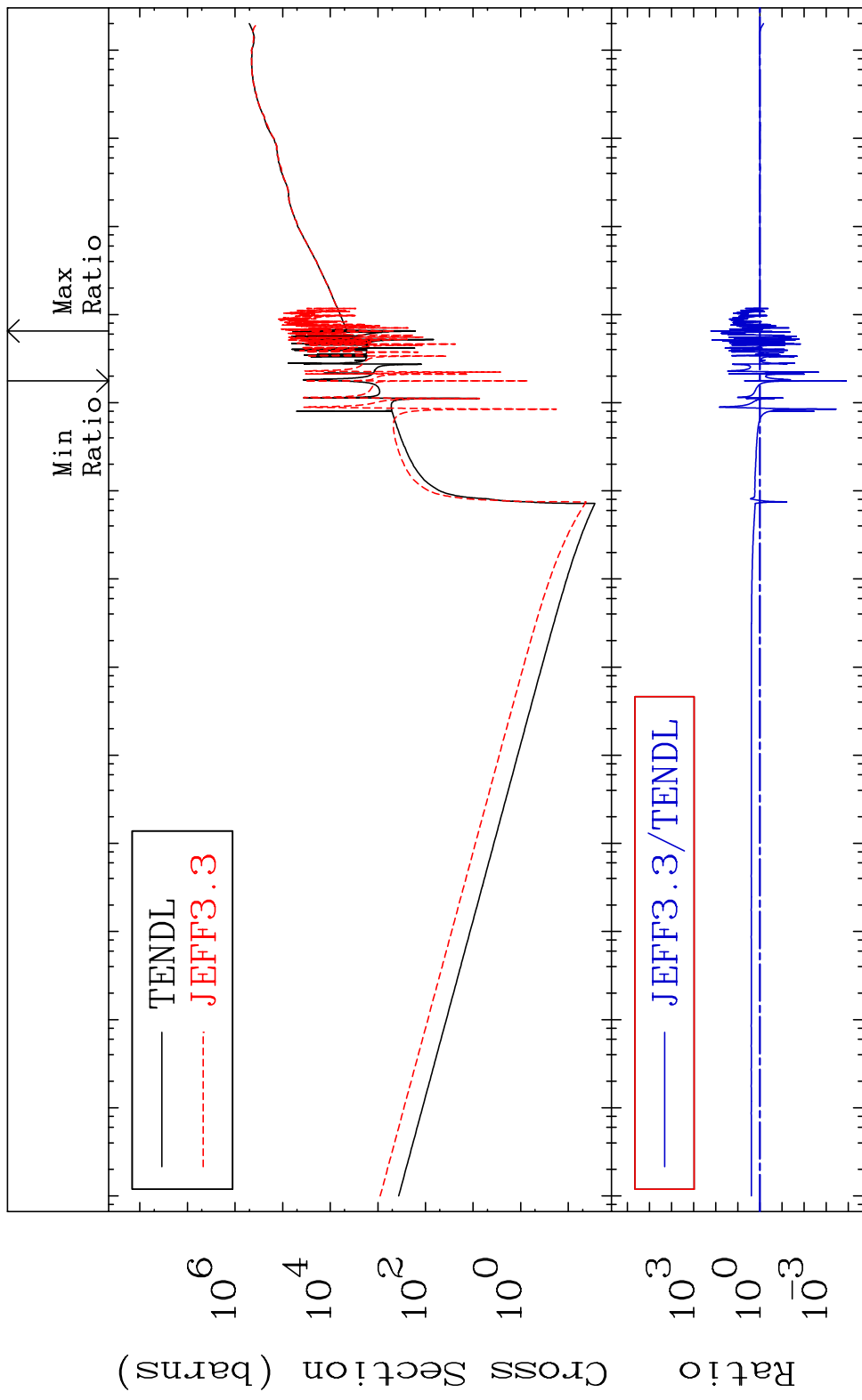


63 Incident Energy (eV) 50-Sn-126

MAT 5067 Total kinematic kerma (high limit) 50-Sn-126
 Cross Section -99.98 To 9999. %



MAT 5067 Dpa total (eV-barns) 50-Sn-126
 Cross Section -99.99 To 9999. %



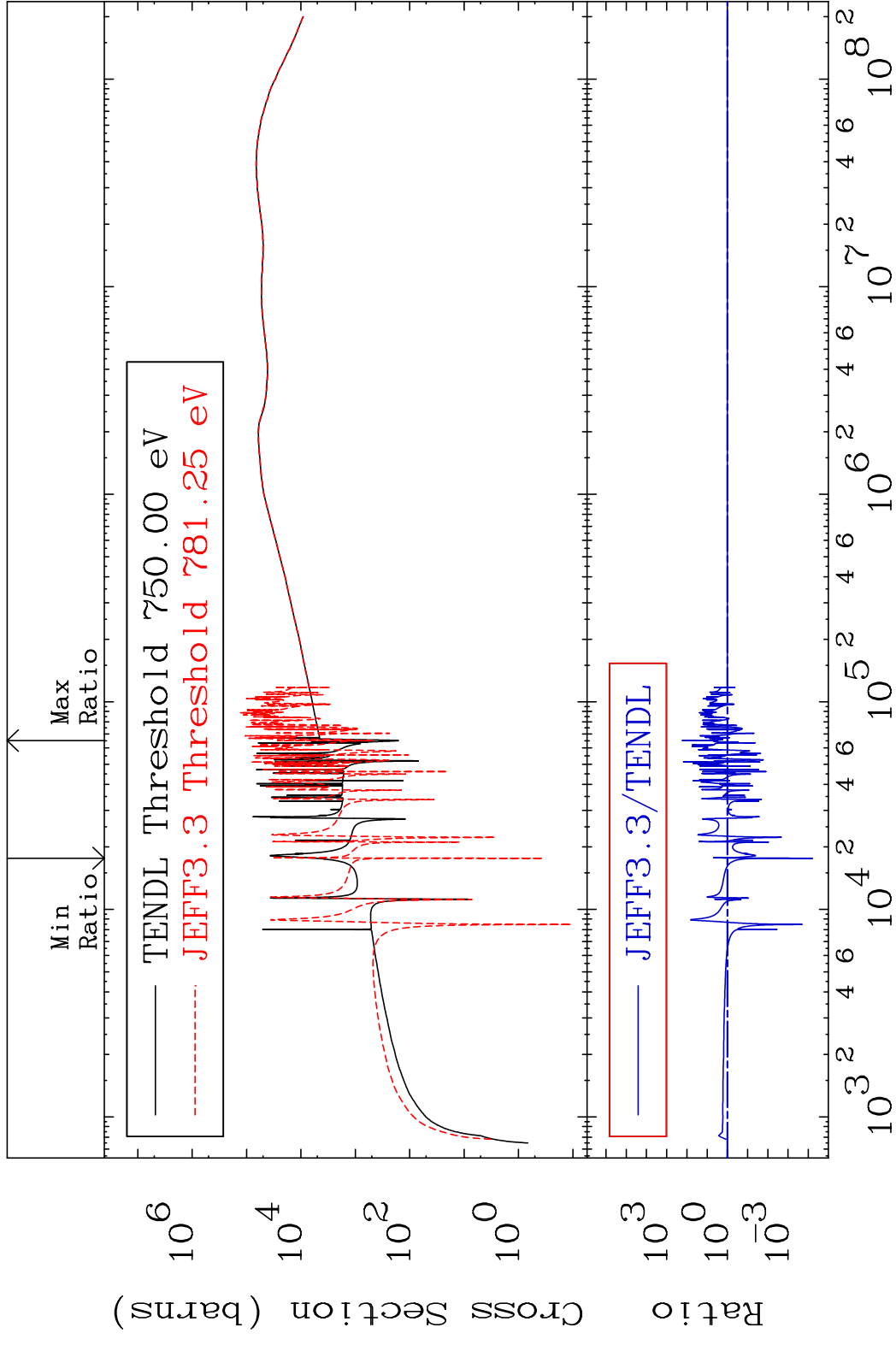
65 Incident Energy (eV) 50-Sn-126

MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -99.99 To 9999. %



66

Incident Energy (eV)

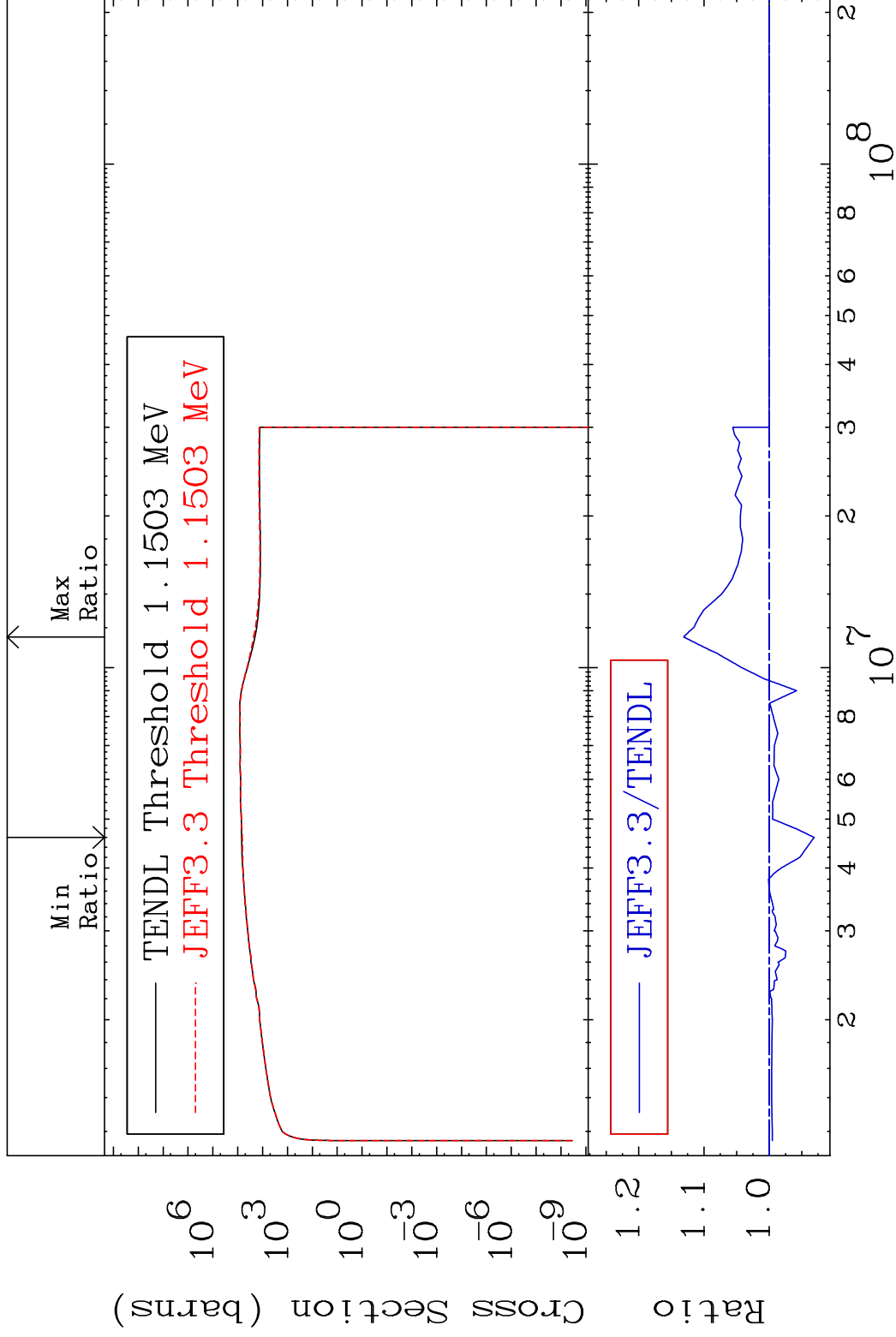
50-Sn-126

MAT 5067

Dpa inelastic (mt51-91)

50-Sn-126

Cross Section -6.882 To 13.12 %

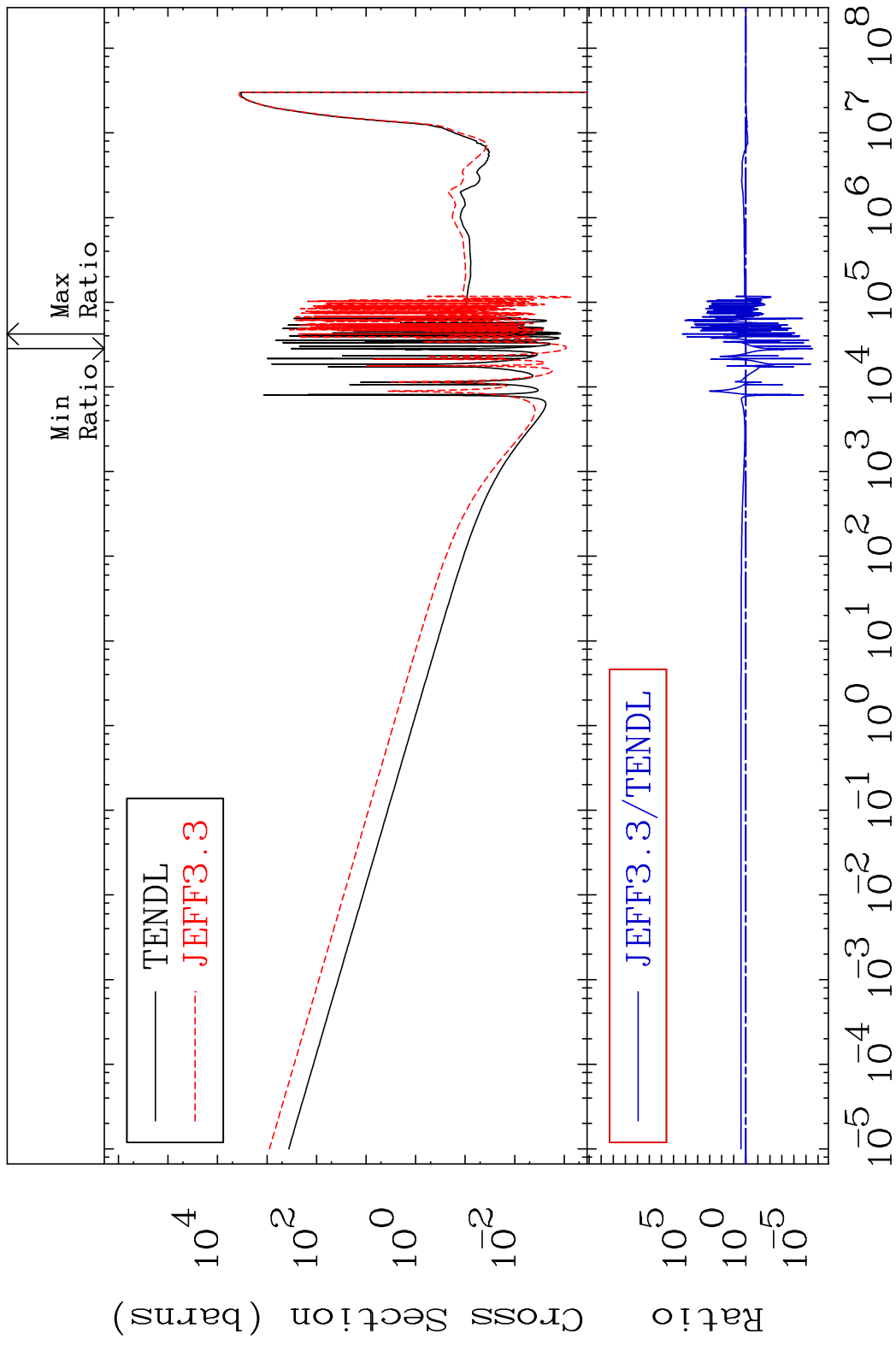


67

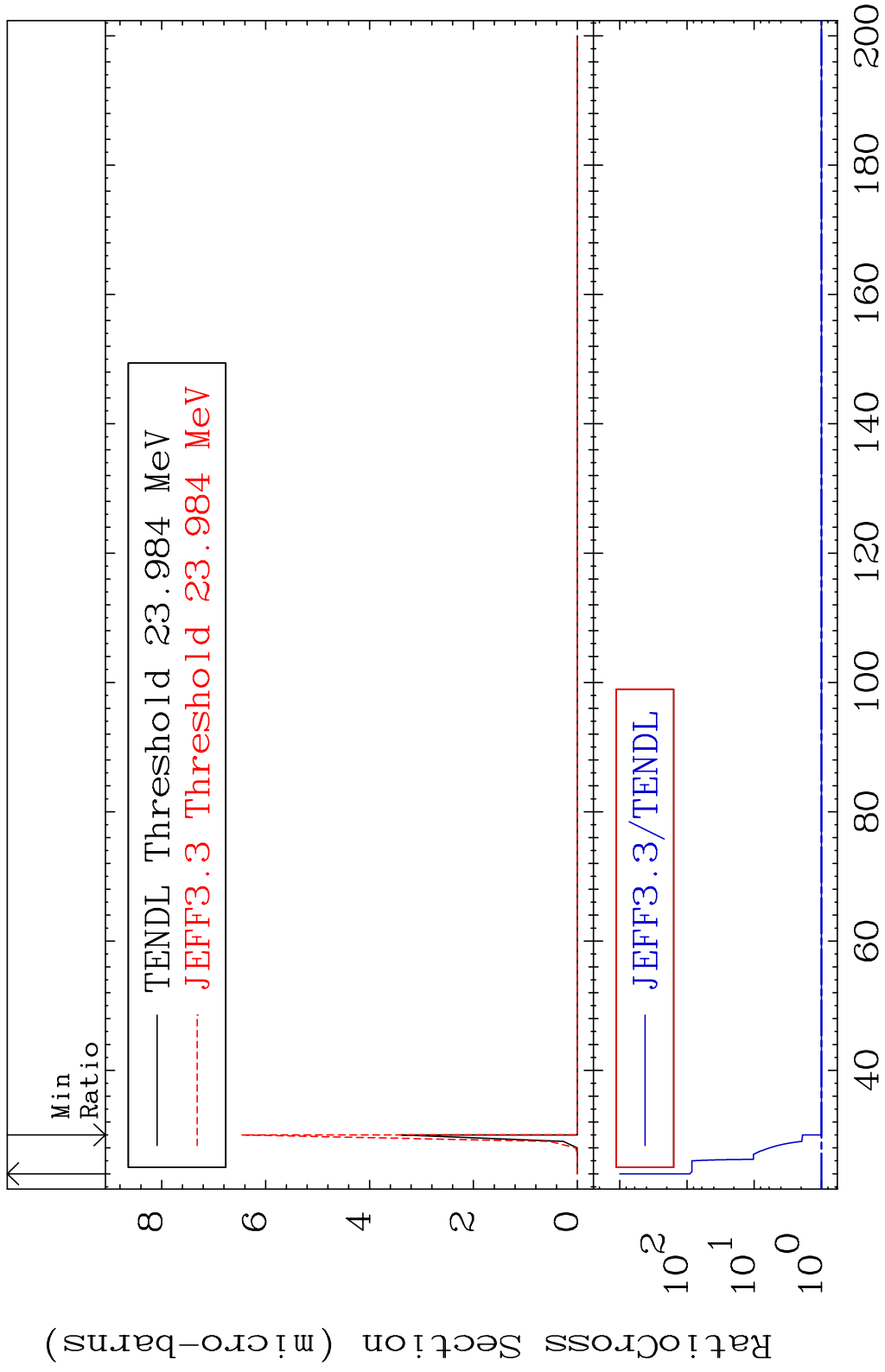
Incident Energy (eV)

50-Sn-126

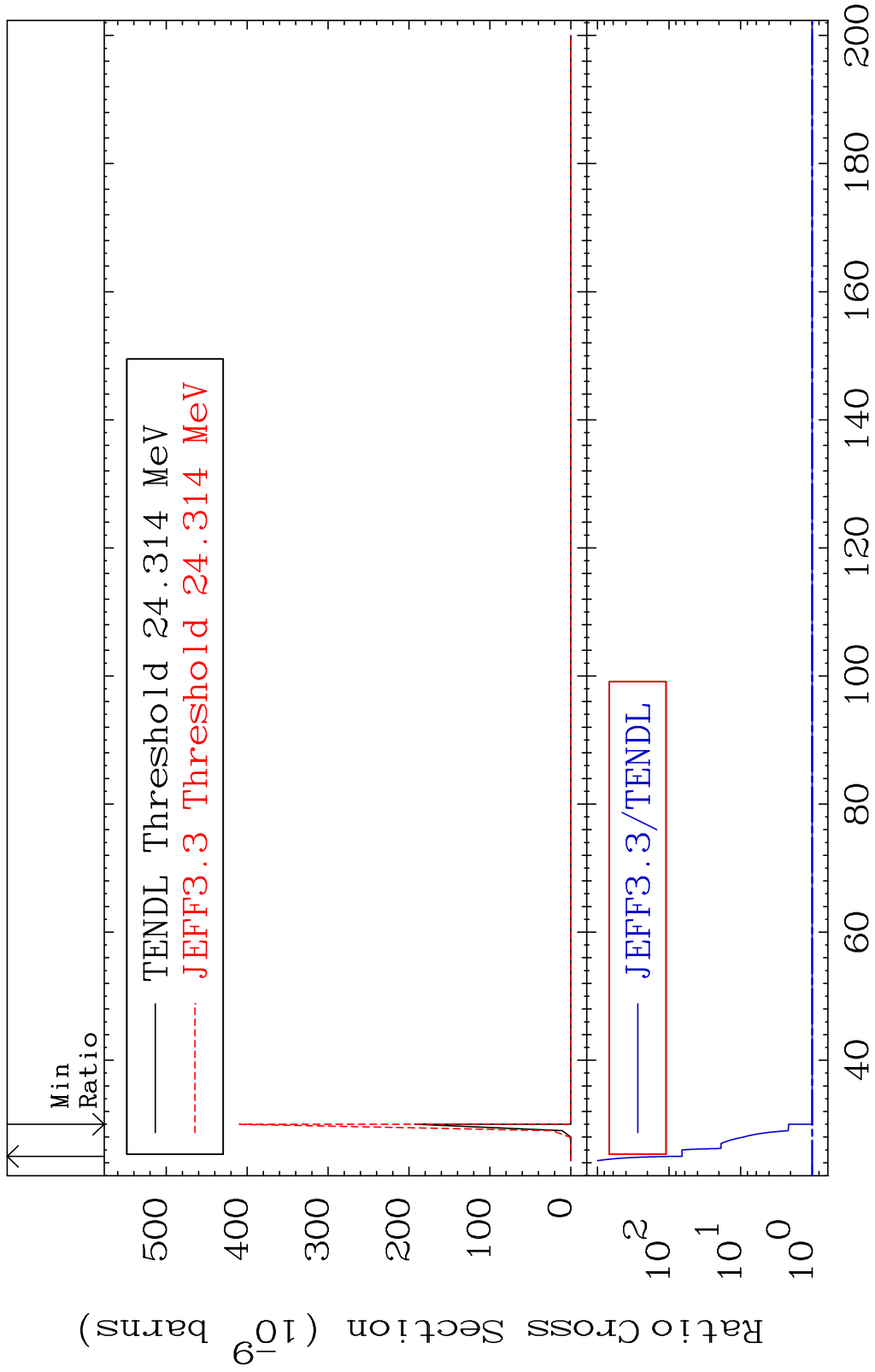
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126
 Cross Section -100.0 To 9999. %



MAT 5067 (n,2n) d:49-In-123g 50-Sn-126
 Radionuclide Production Cross Section 8982. %

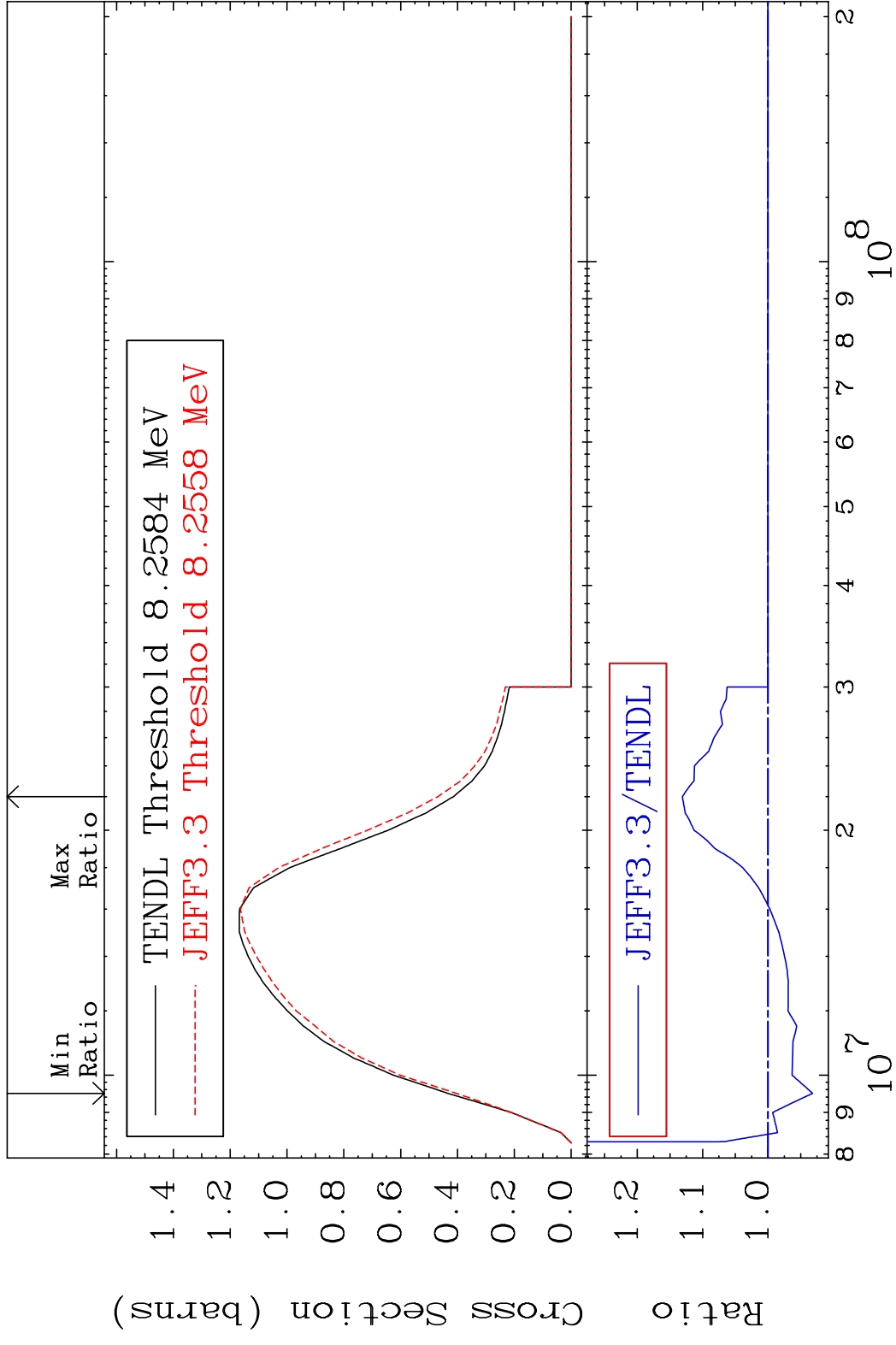


MAT 5067 (n,2n) d:49-In-123m1 50-Sn-126
 Radionuclide Production Cross Section 6481. %

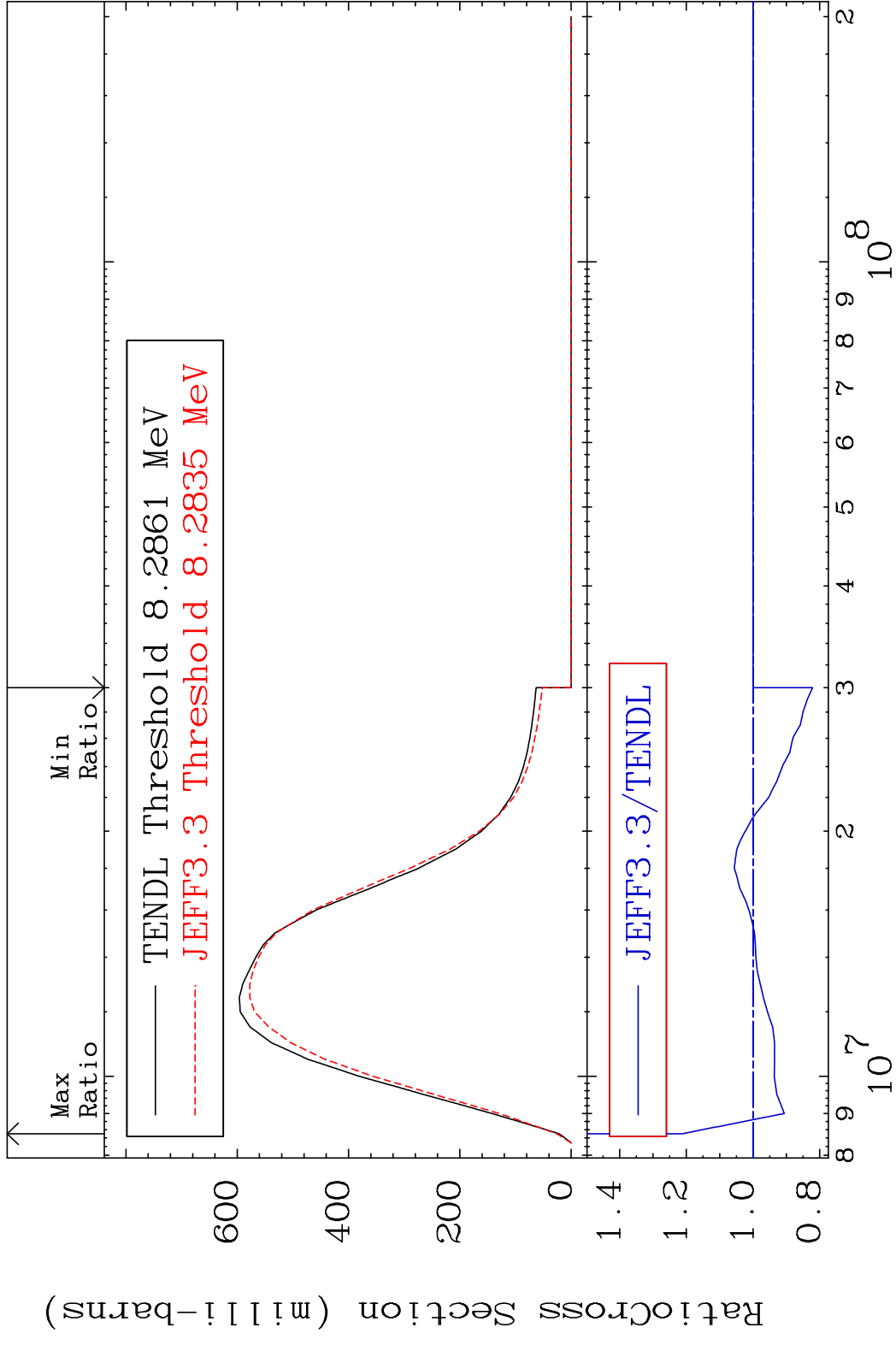


70 Incident Energy (MeV) 50-Sn-126

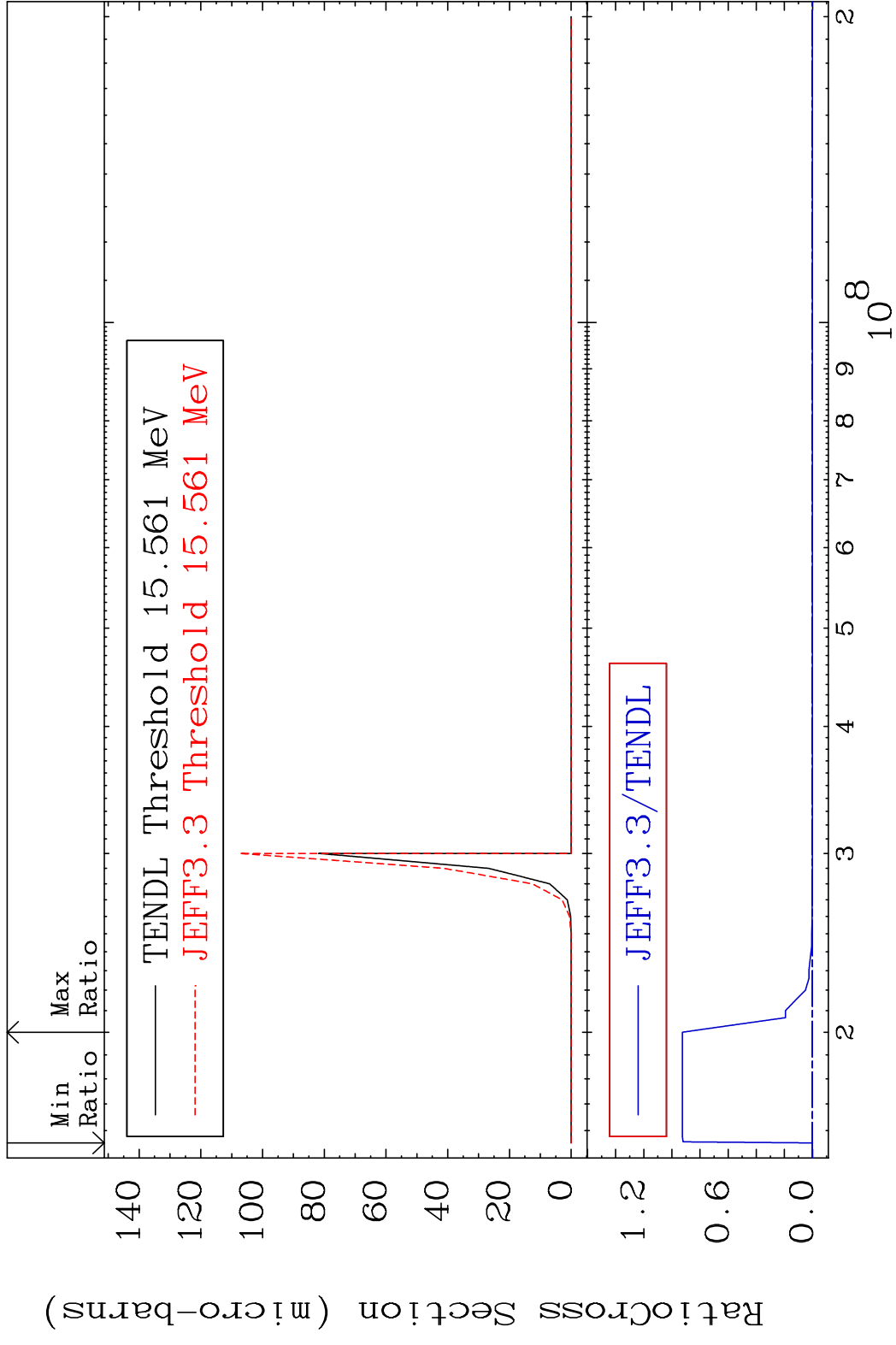
MAT 5067 (n,2n):50-Sn-125g 50-Sn-126
 Radionuclide Production Cross Section 6.8211e 13.10 %



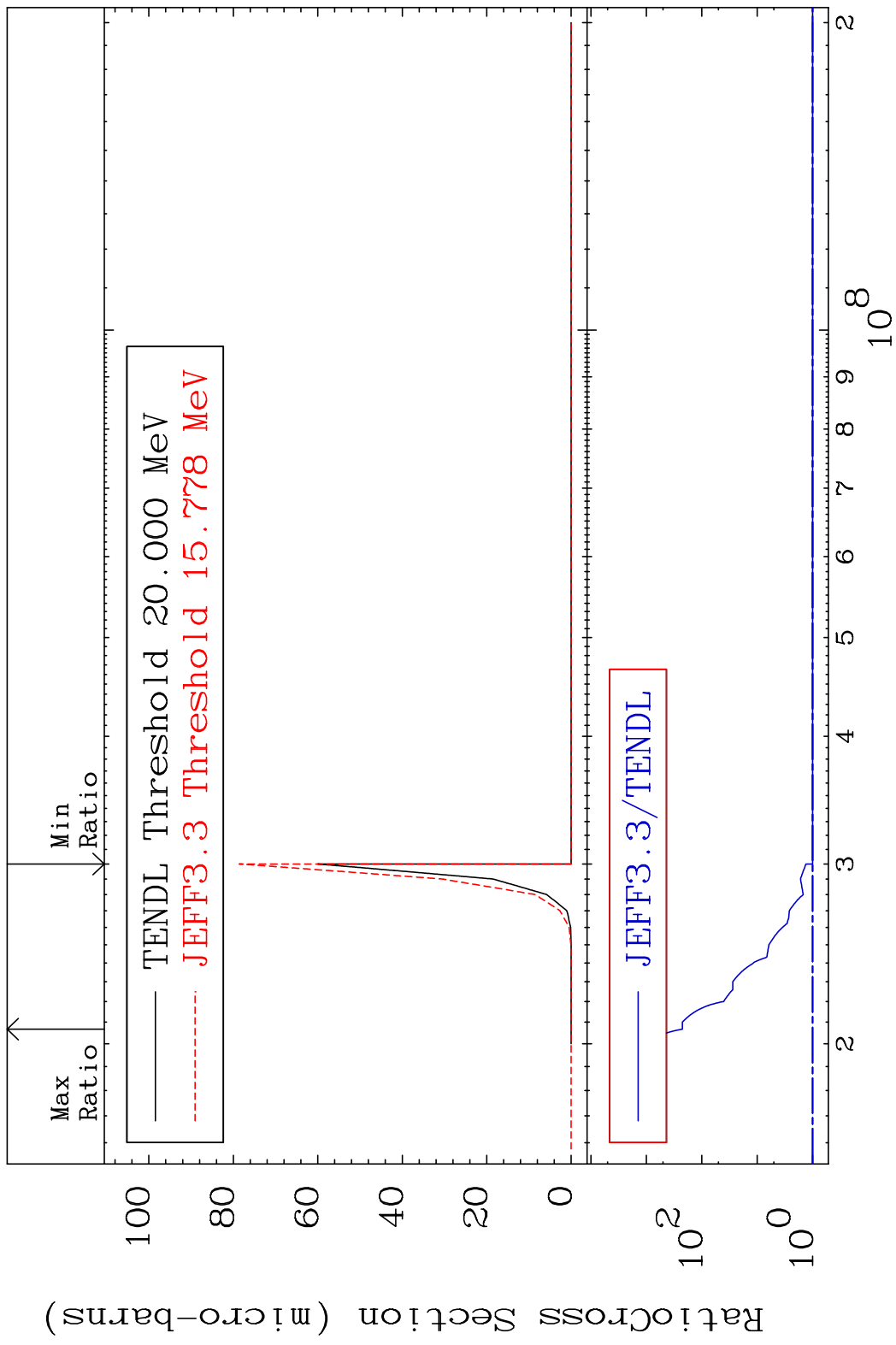
MAT 5067 (n, 2n): 50-Sn-125m1 50-Sn-126
 Radionuclide Production Cross Section Ratio 21.20 %

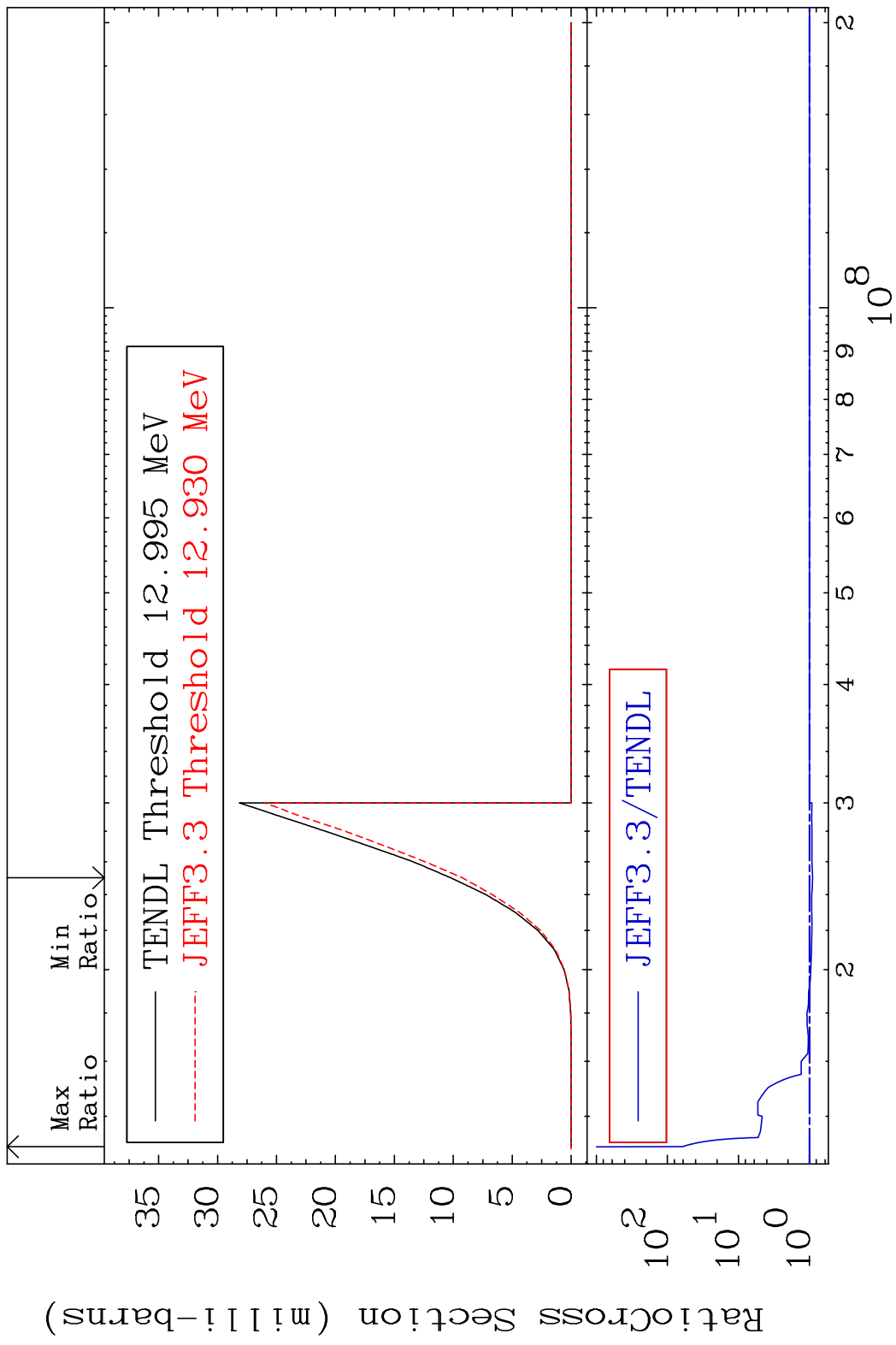


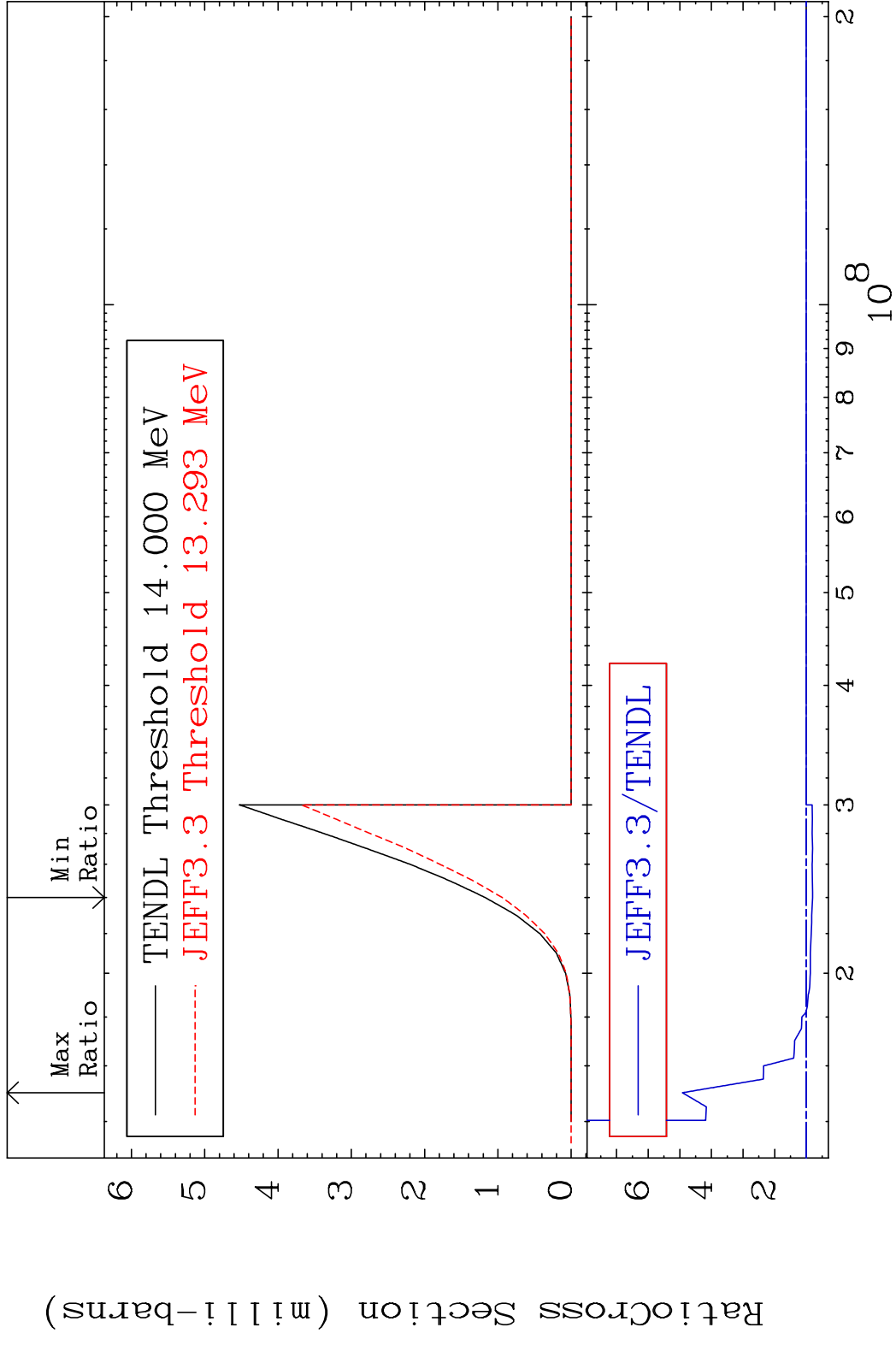
MAT 5067 (n,2n) α :48-Cd-121g 50-Sn-126
 Radionuclide Production Cross Section Ratio 9999. %

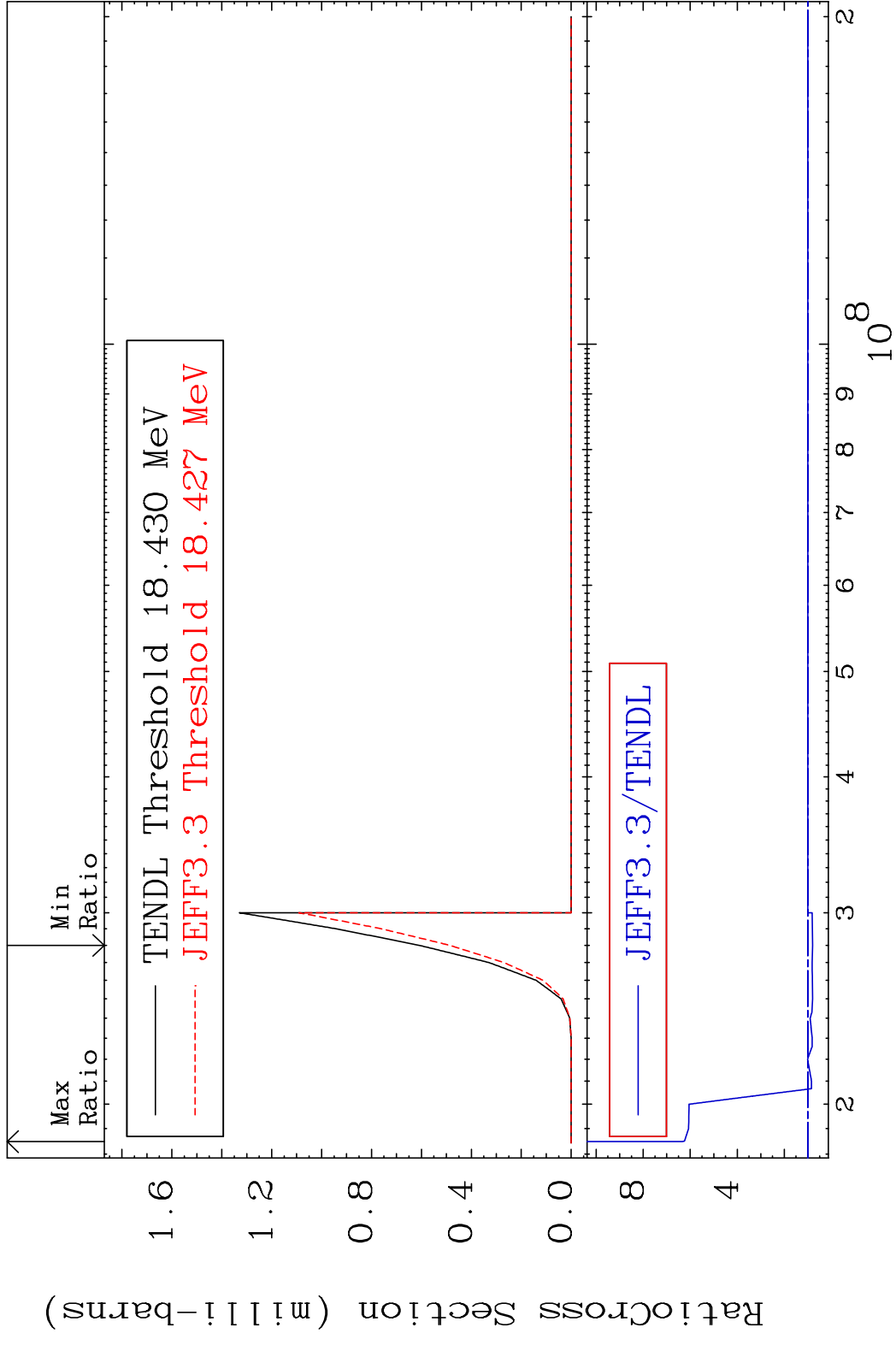


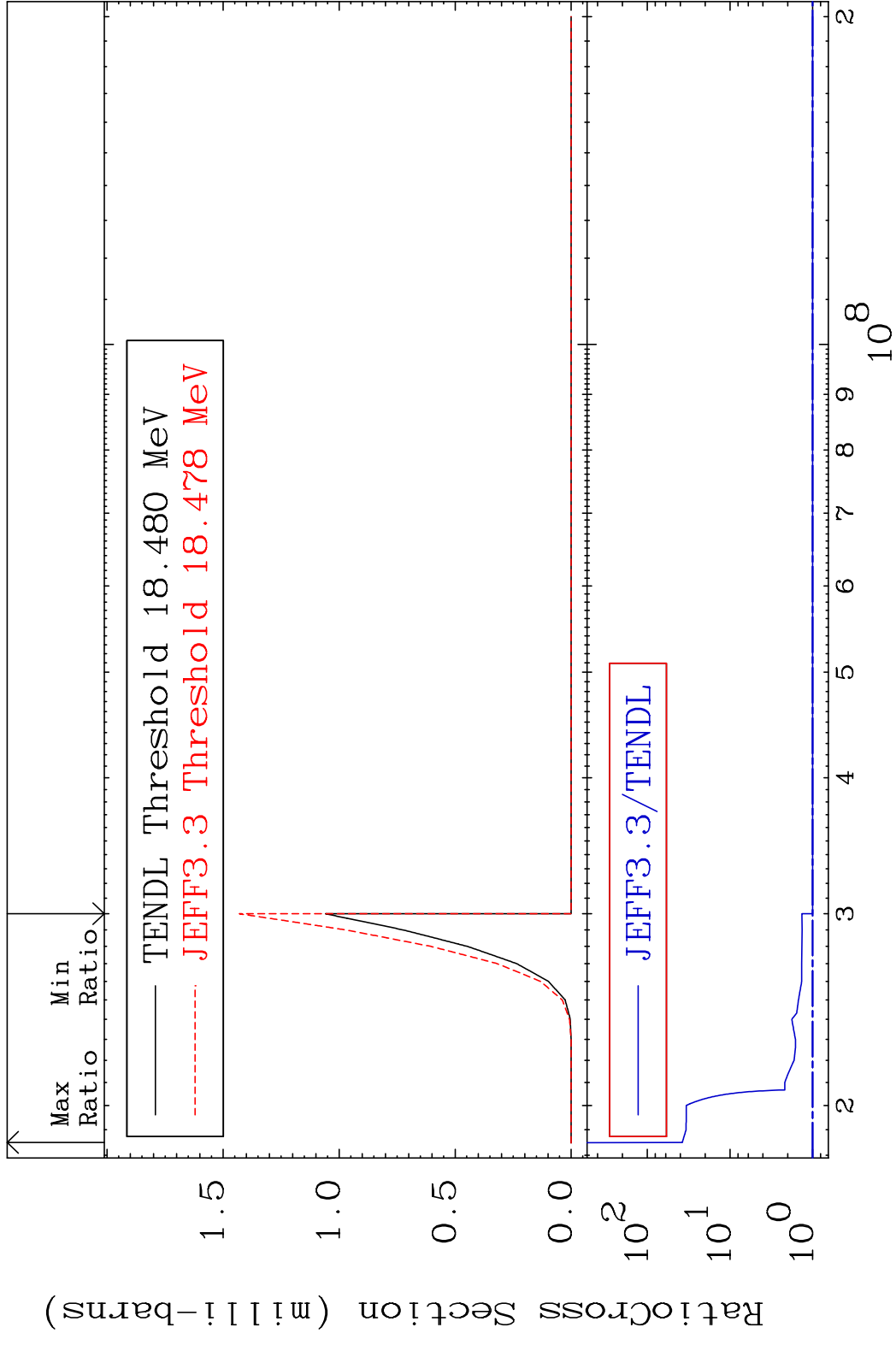
MAT 5067 (n,2n) α :48-Cd-121m2 50-Sn-126
 Radionuclide Production Cross Section 9999. %

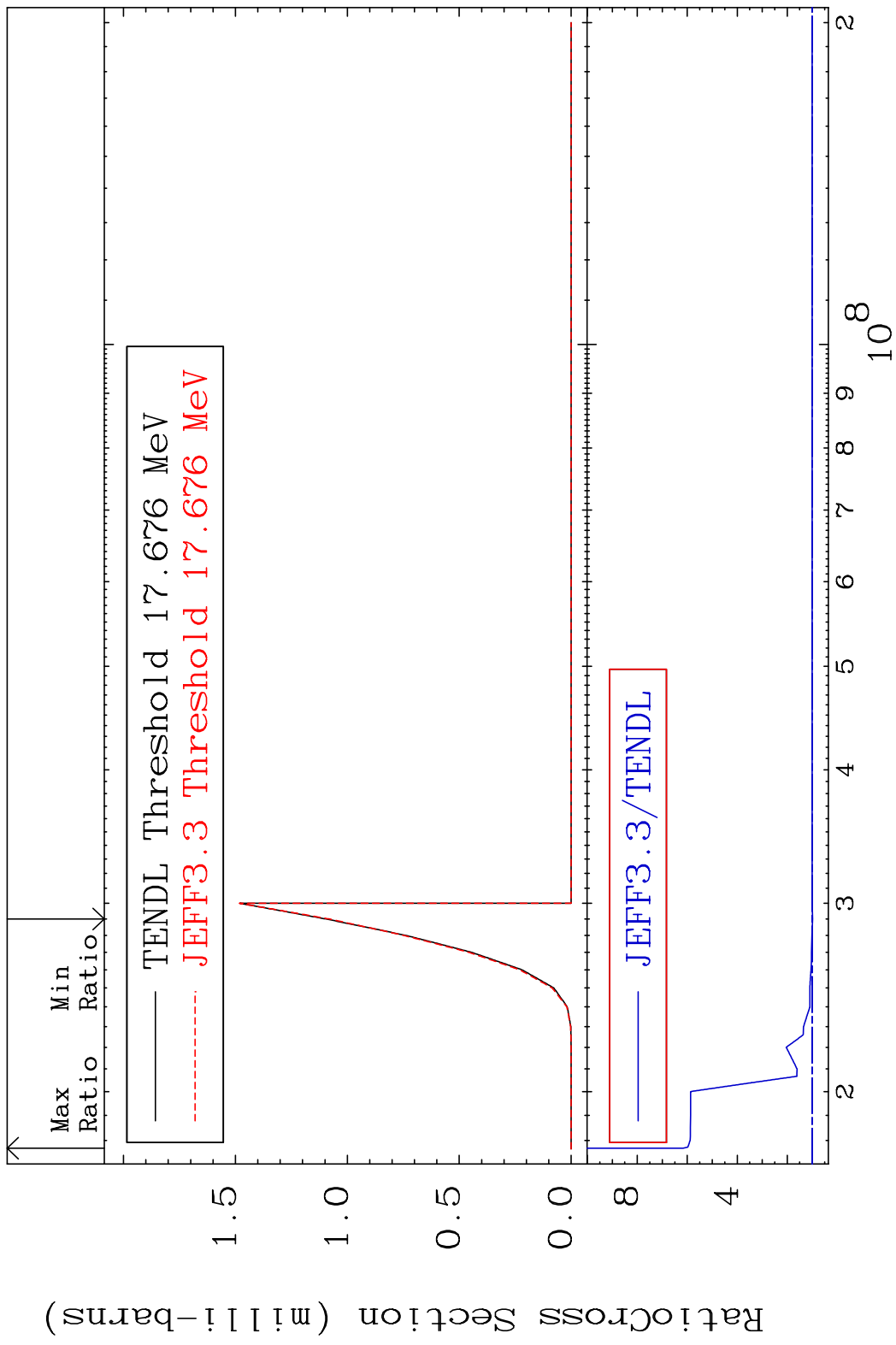


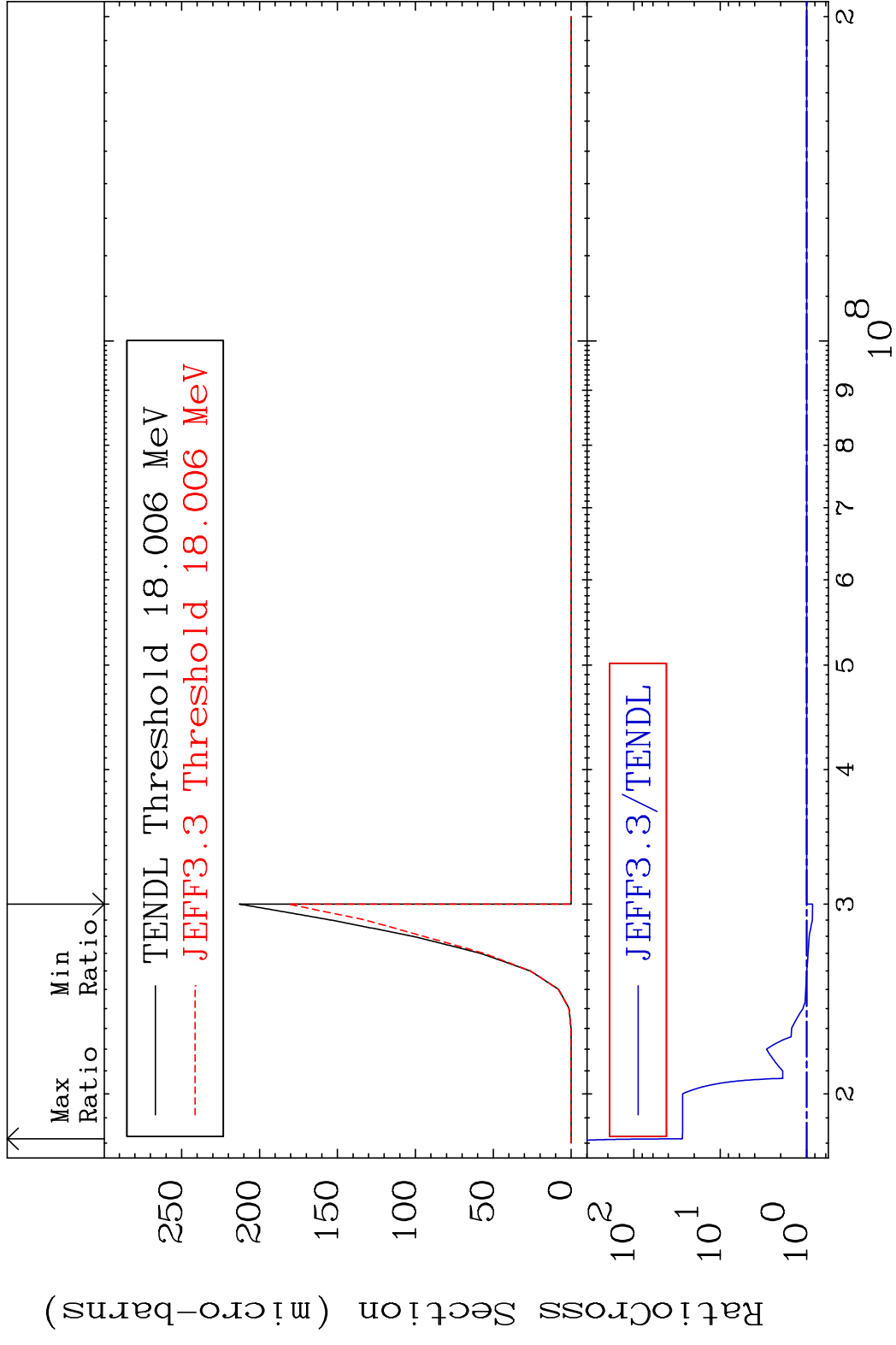


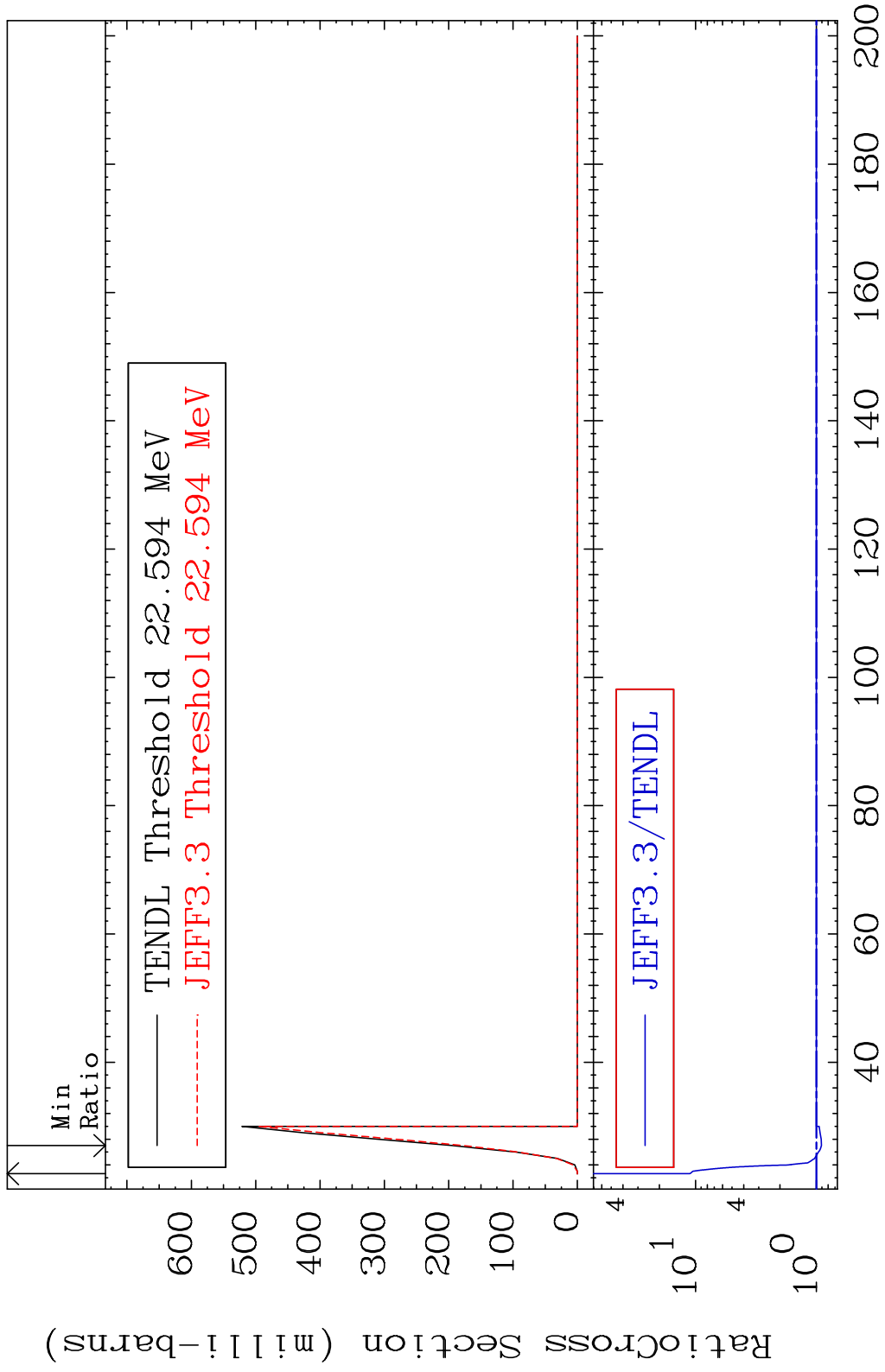




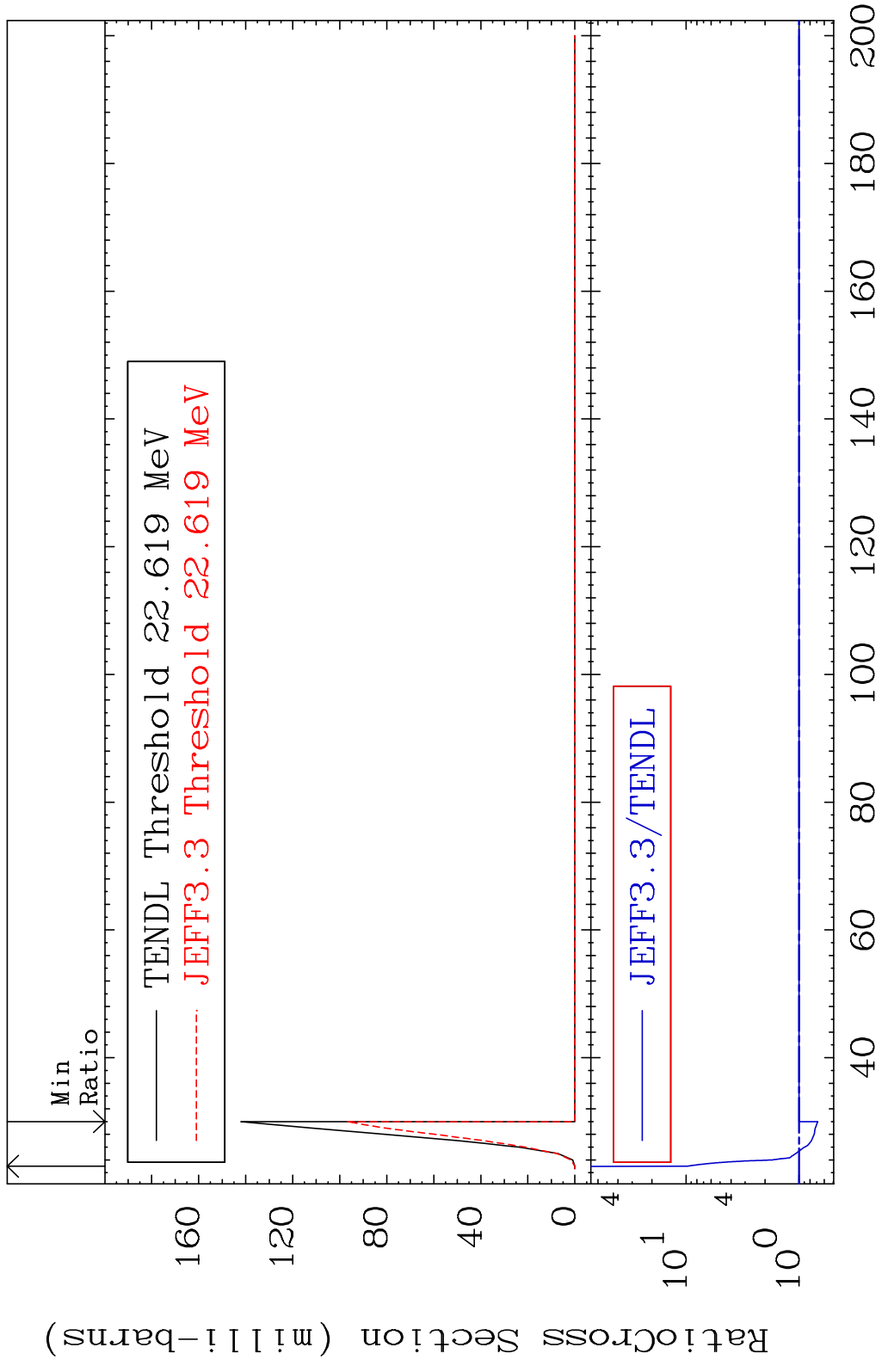


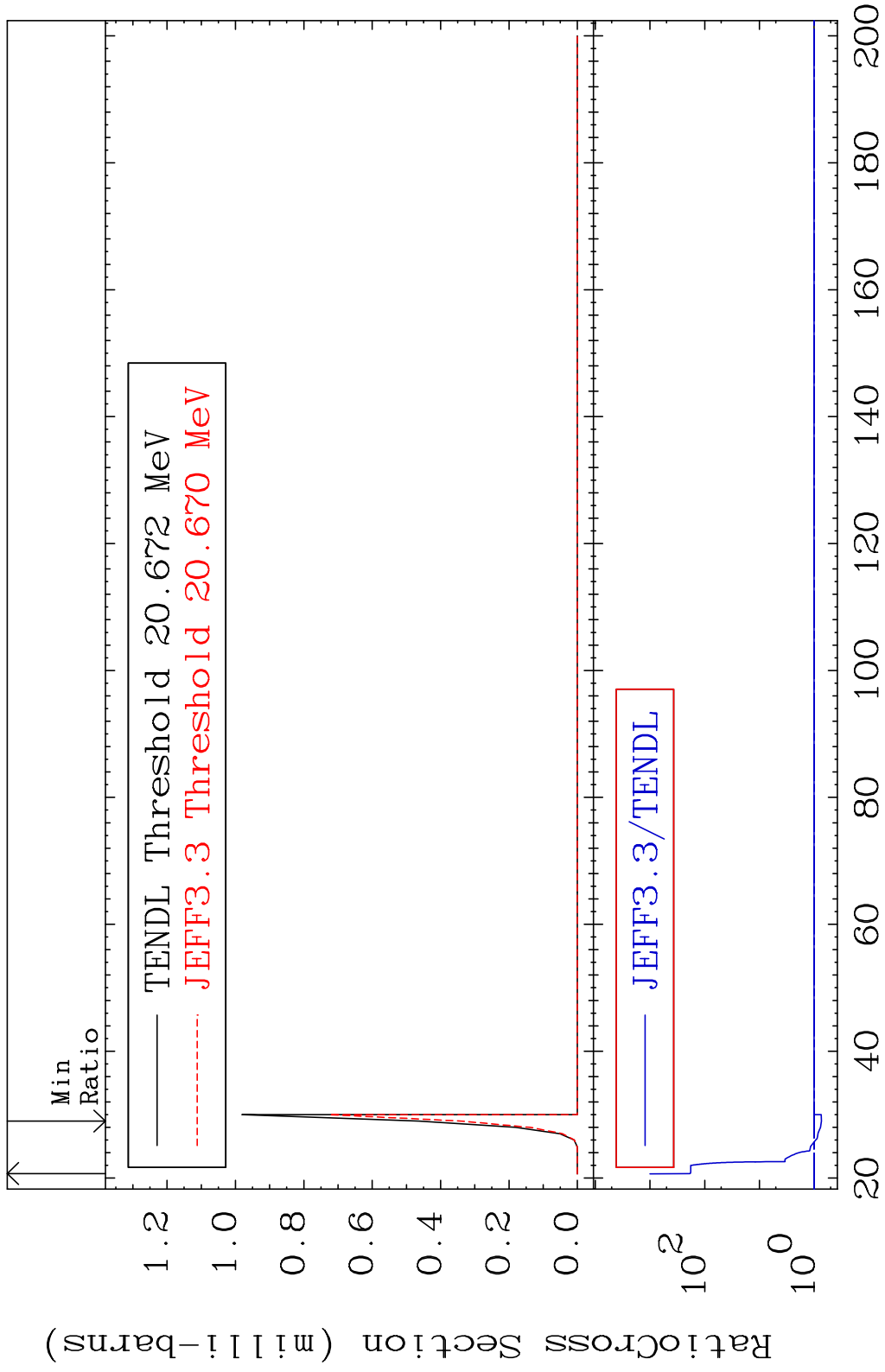


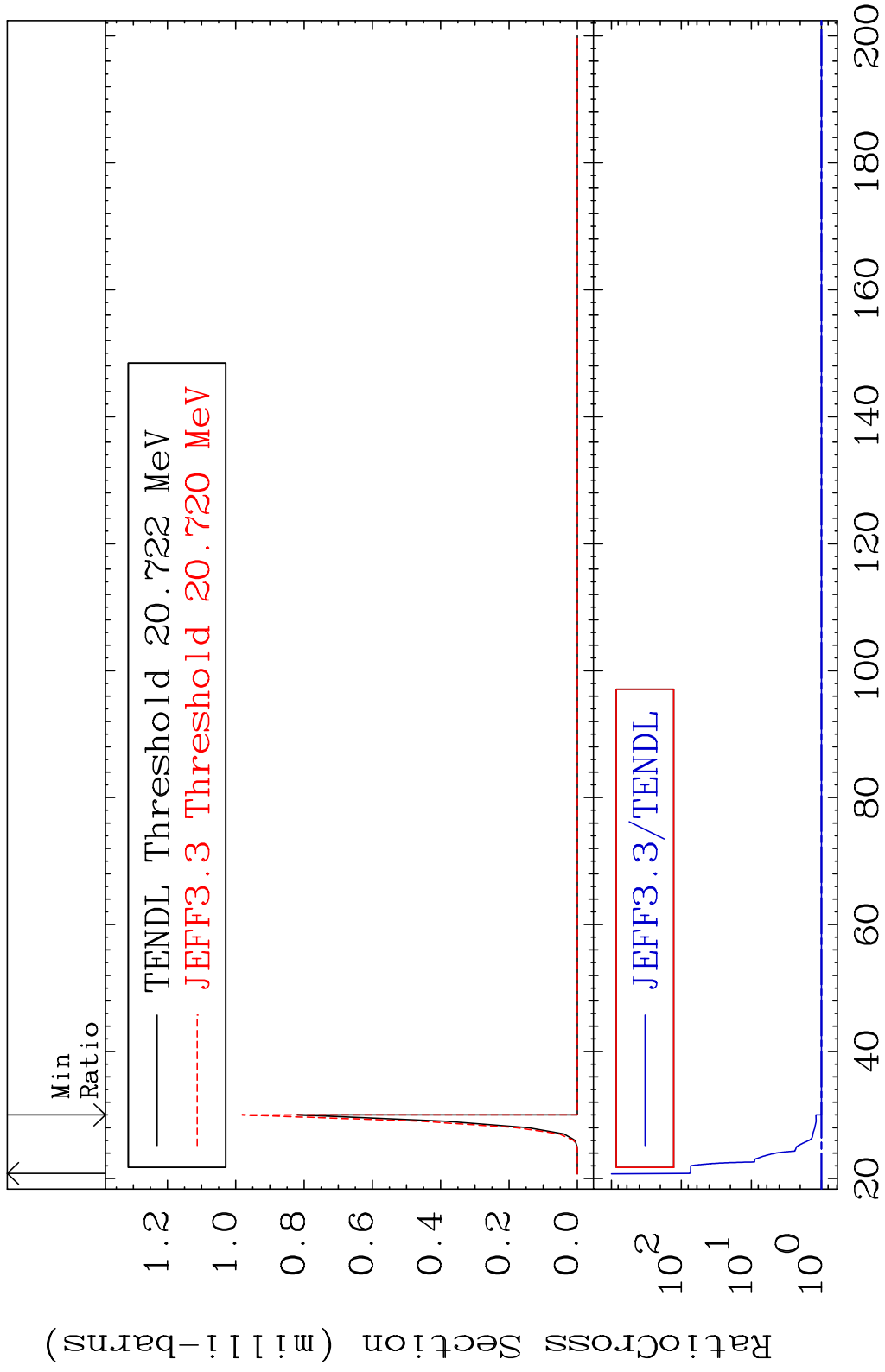




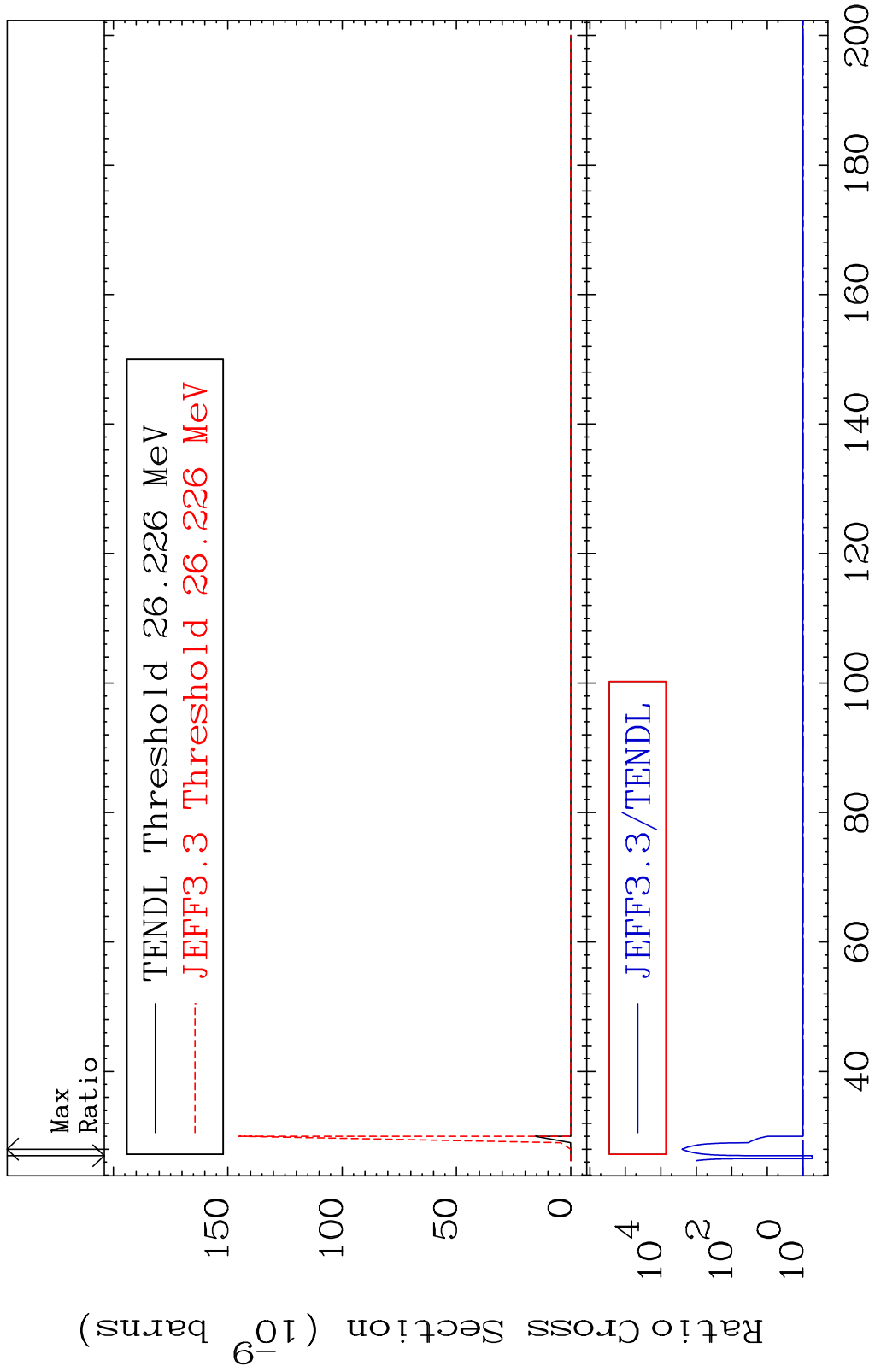
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126
 Radionuclide Production Cross Section 885.6 %

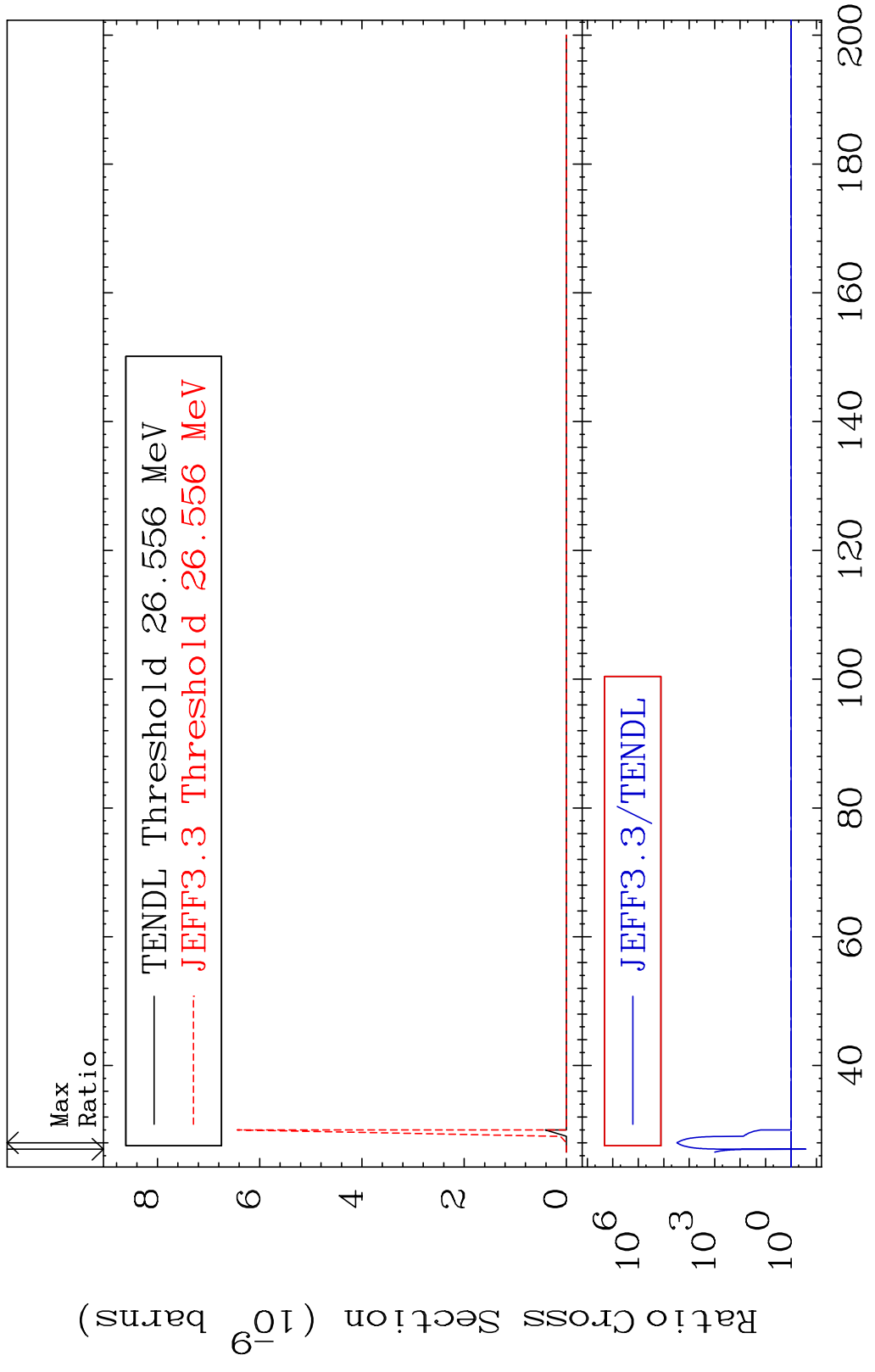




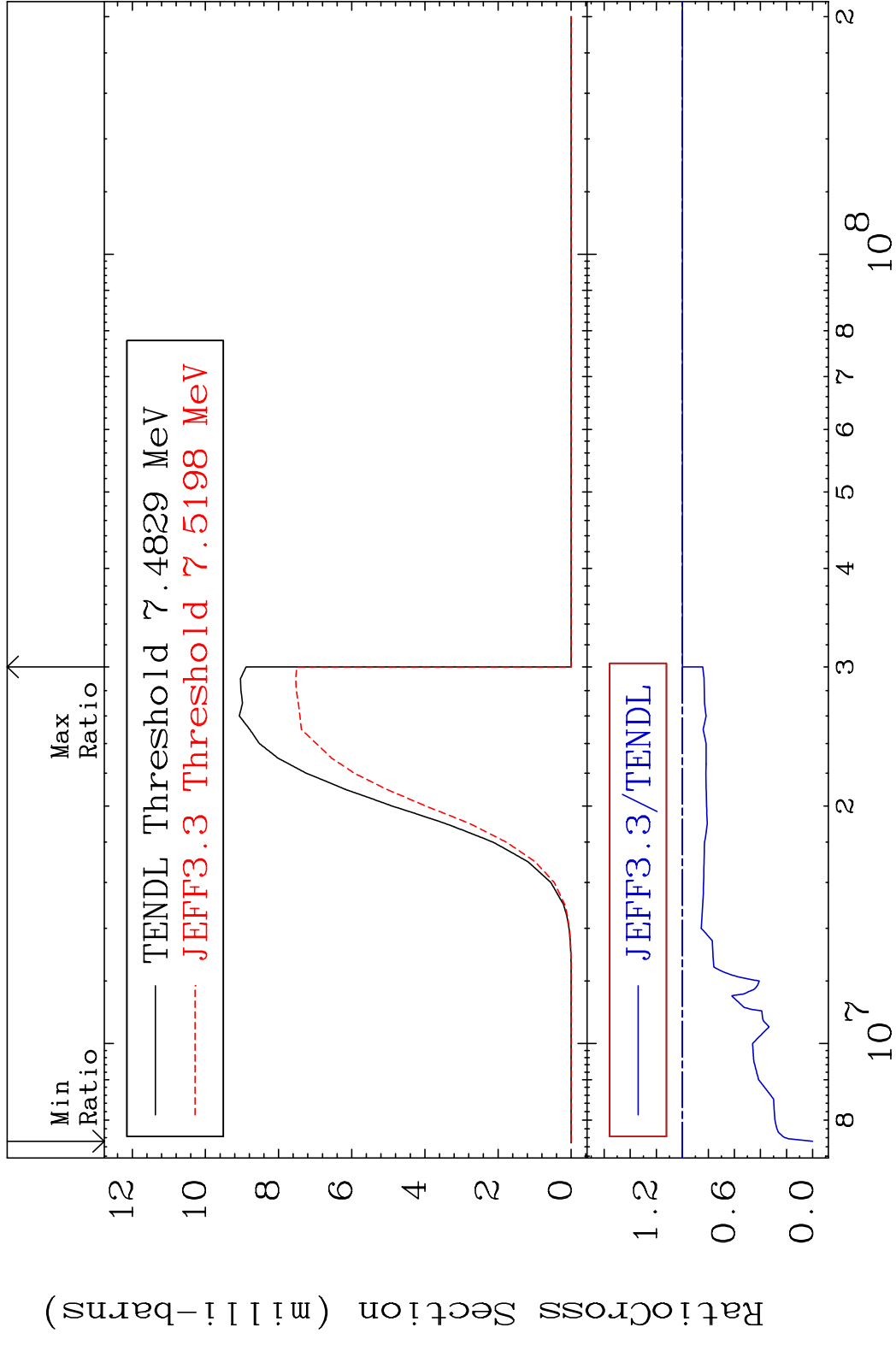


MAT 5067 (n,3n) p:49-In-123g 50-Sn-126
 Radionuclide Production Cross Section to 9999. %

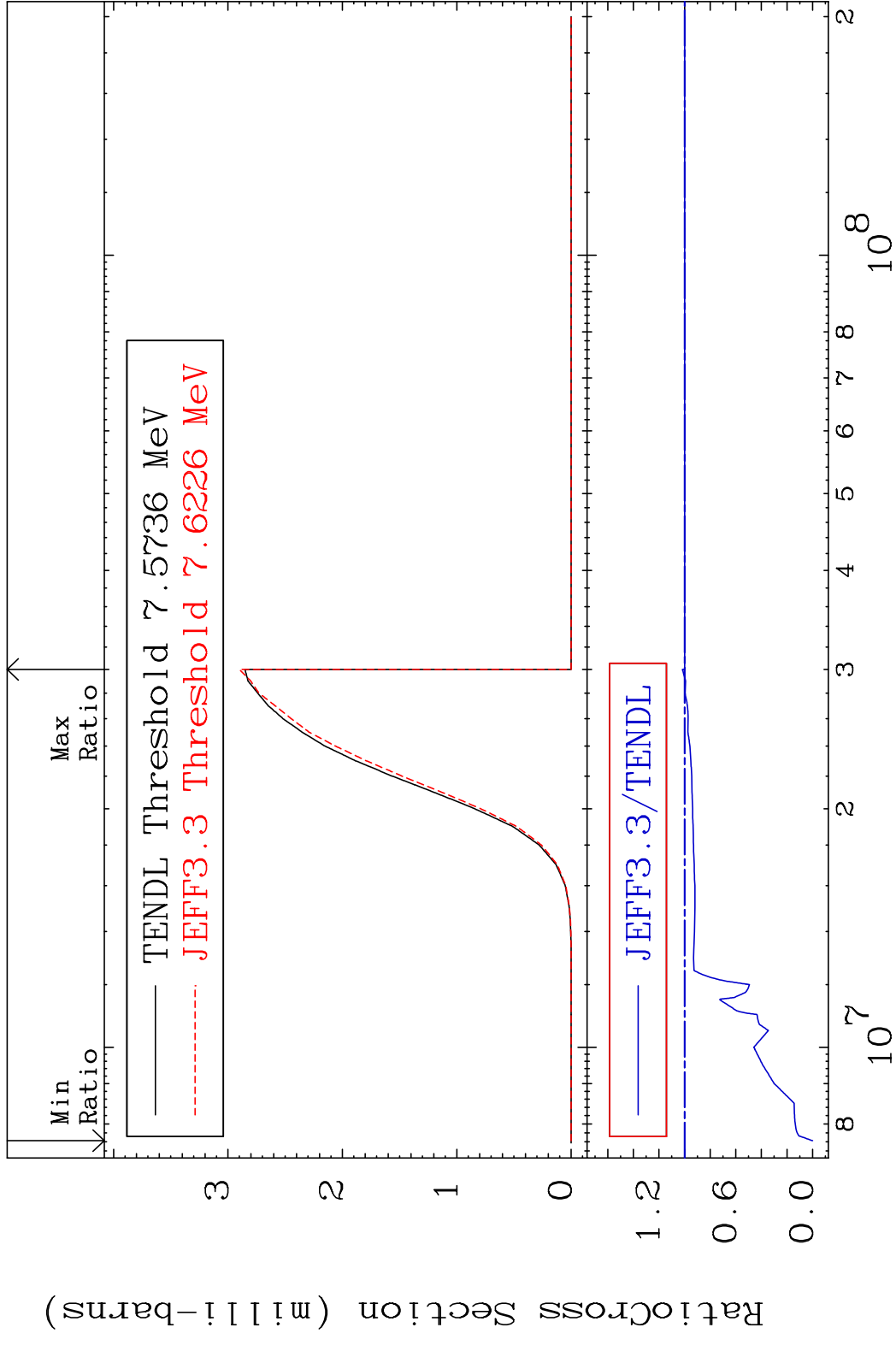




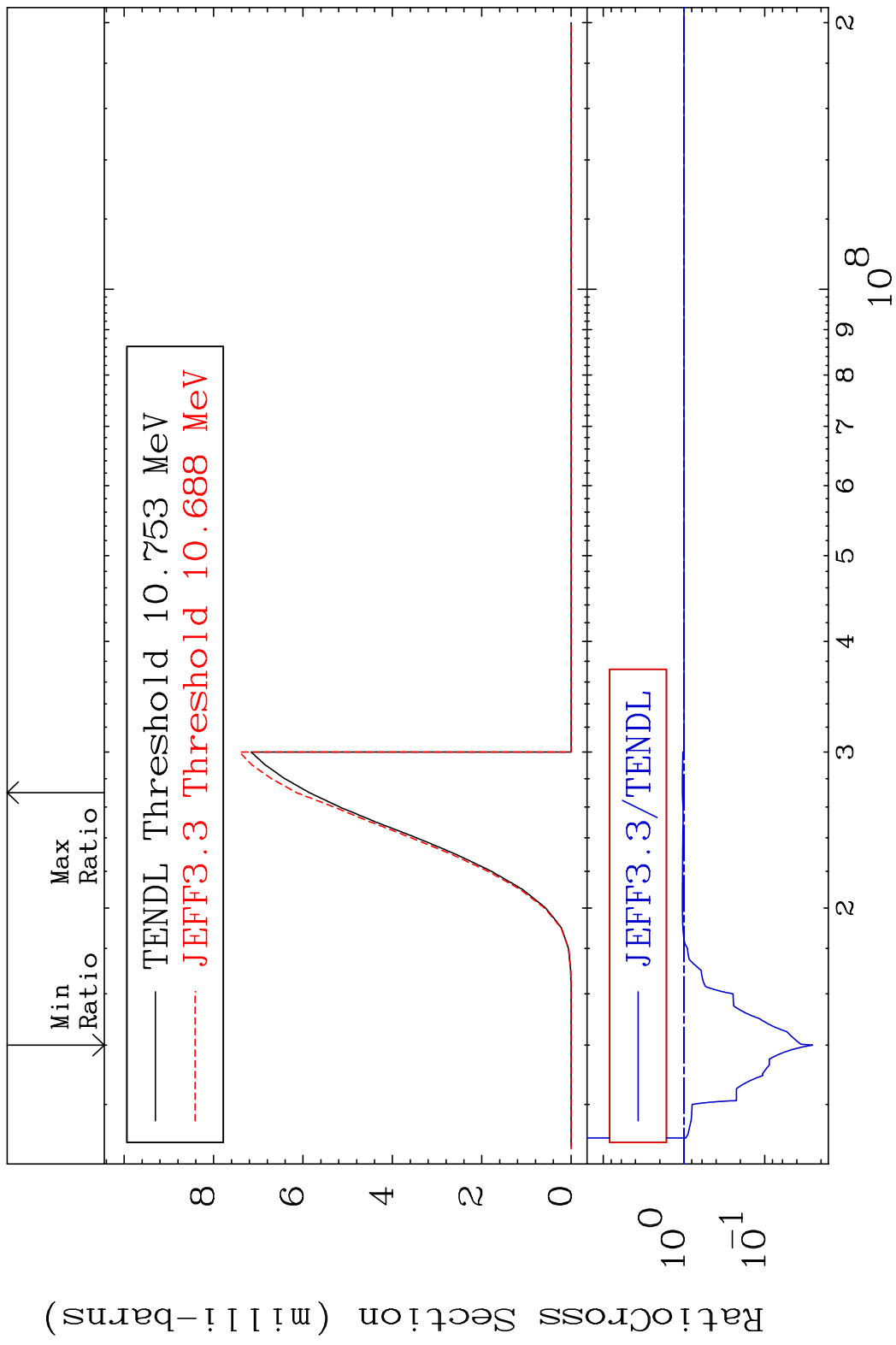
MAT 5067 (n,p):49-In-126 50-Sn-126
 Radionuclide Production Cross Section 100.00 % 0.000 %



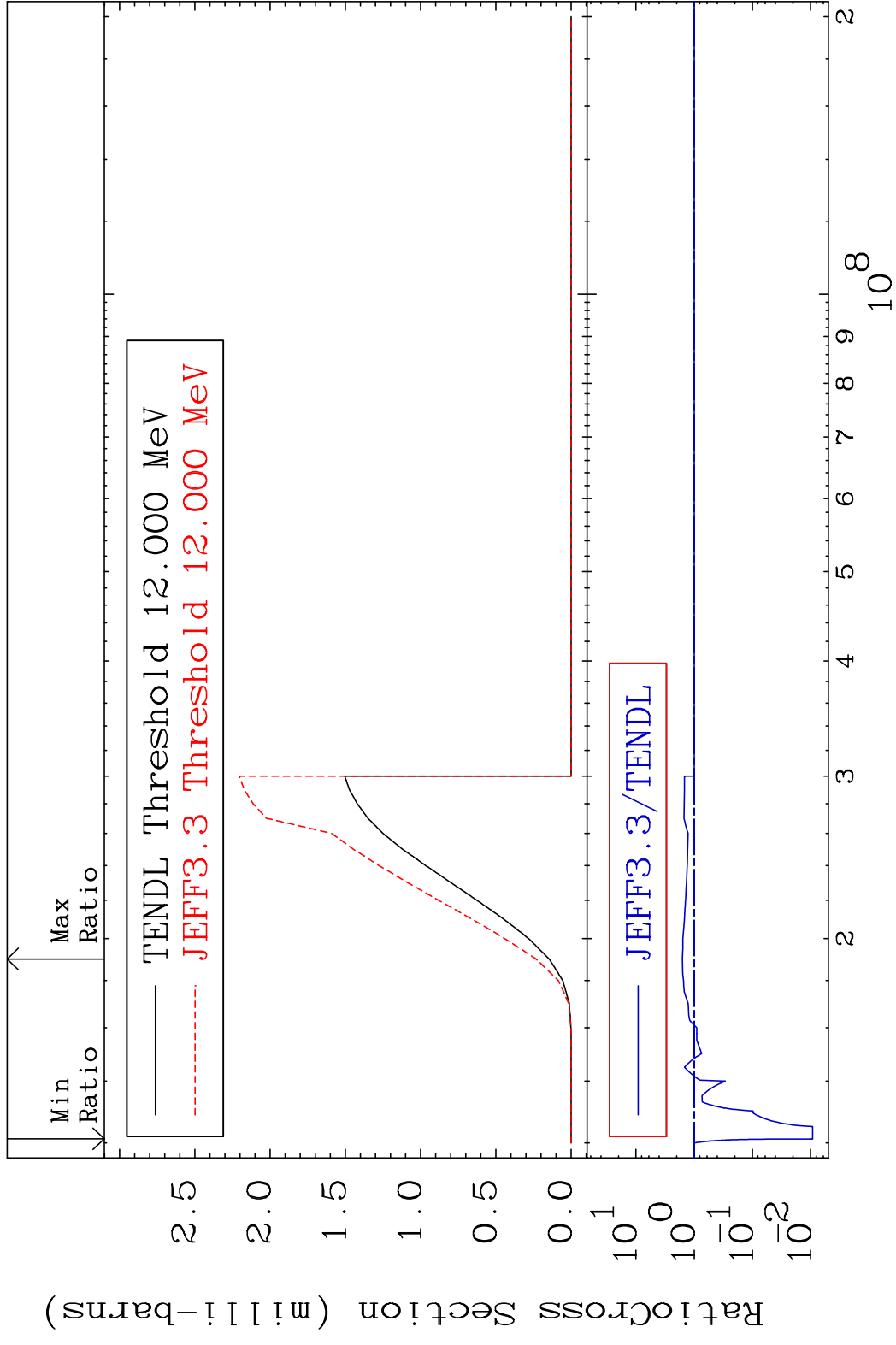
MAT 5067 (n,p):49-In-126m1 50-Sn-126
 Radionuclide Production Cross Section Ratio 1.726 %

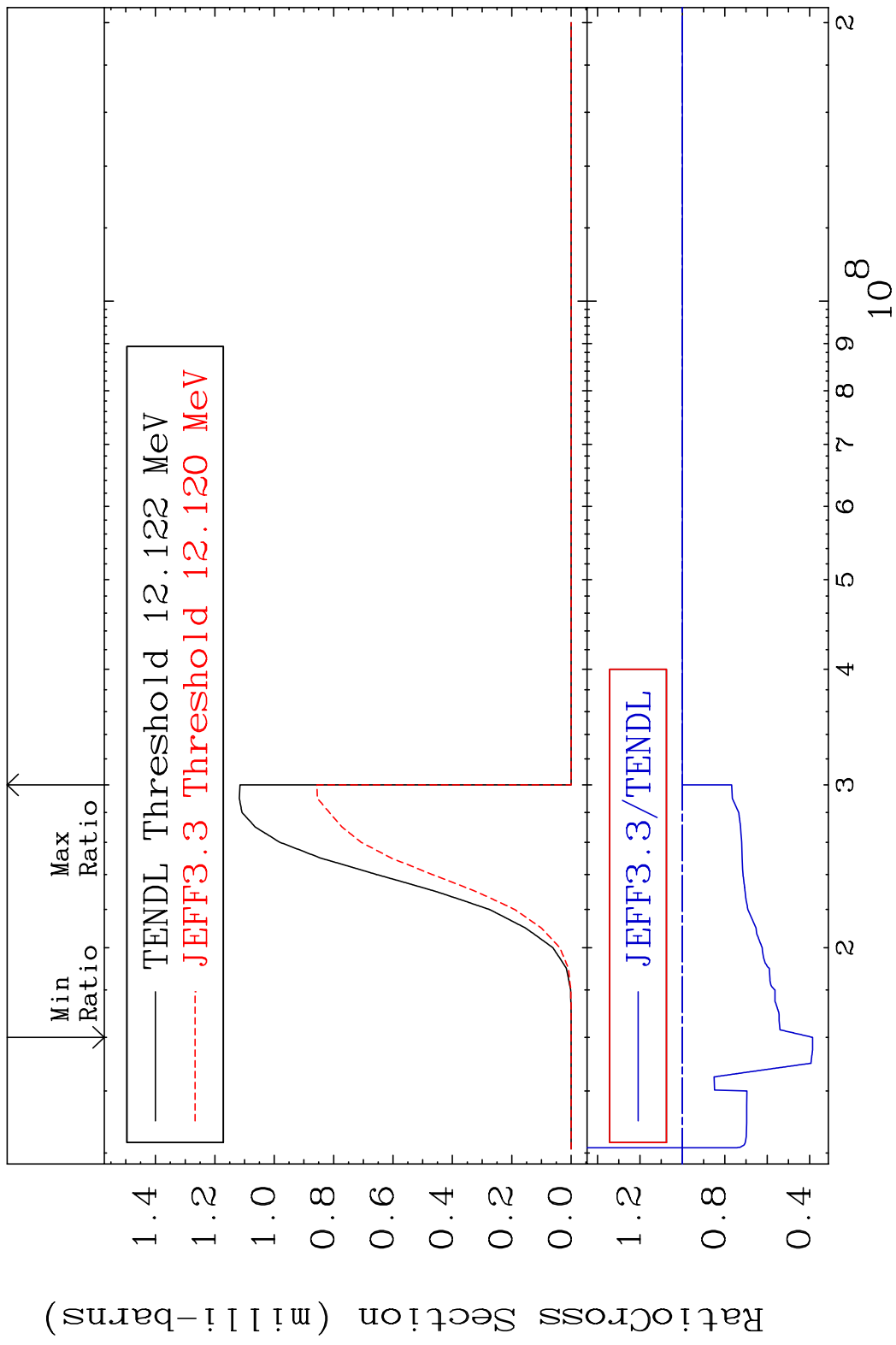


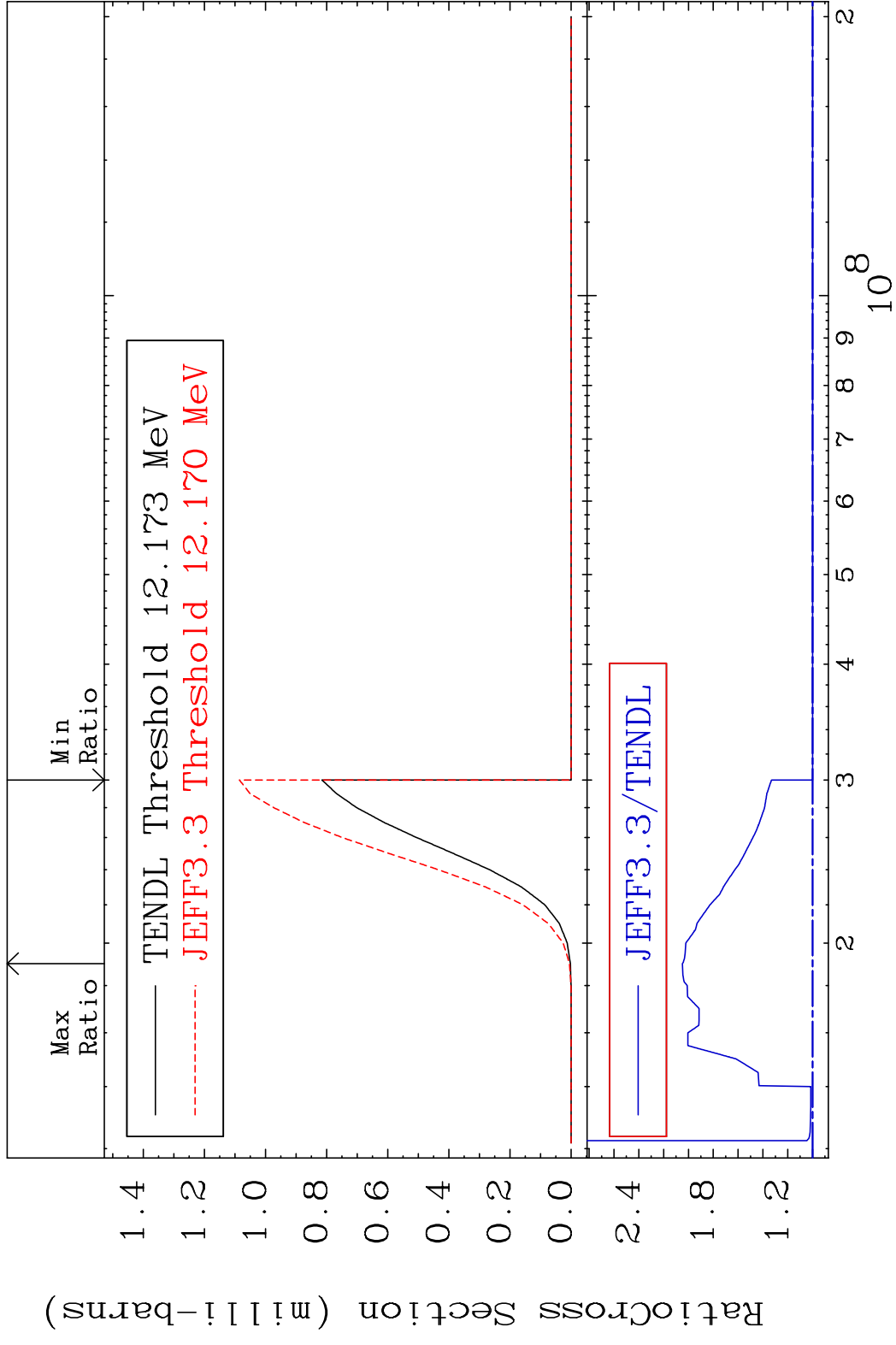
MAT 5067 (n, d): 49-In-125g 50-Sn-126
 Radionuclide Production Cross Section 4.889 %



MAT 5067 (n, d): 49-In-125m1 50-Sn-126
 Radionuclide Production Cross Section 98.081 d10 59.48 %







MAT 5067 (n,α): 48-Cd-123g 50-Sn-126
 Radionuclide Production Cross Section 9999. %

