

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

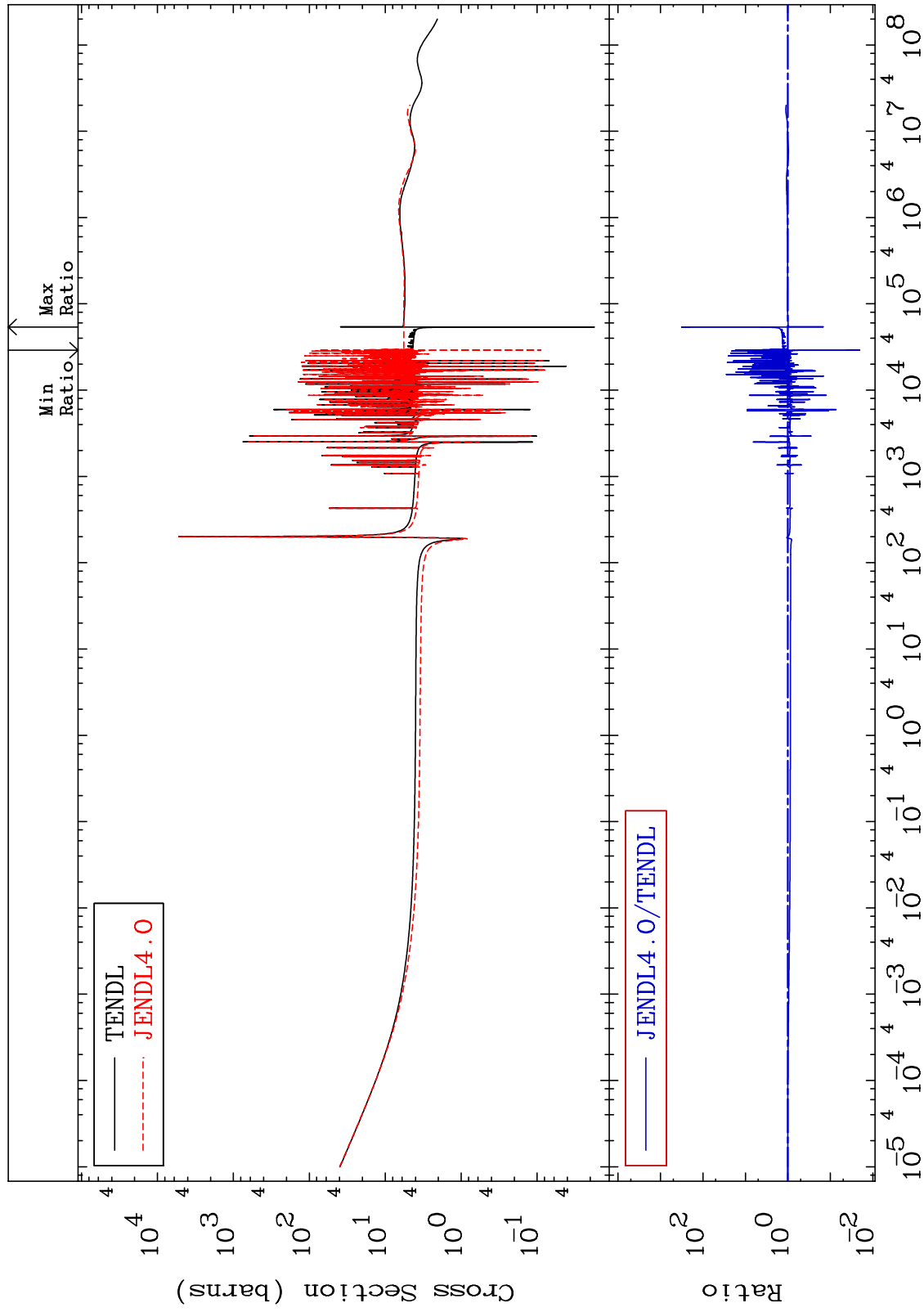
MAT 5243

Total

52-Te-126

Cross Section

-97.97 To 9999. %



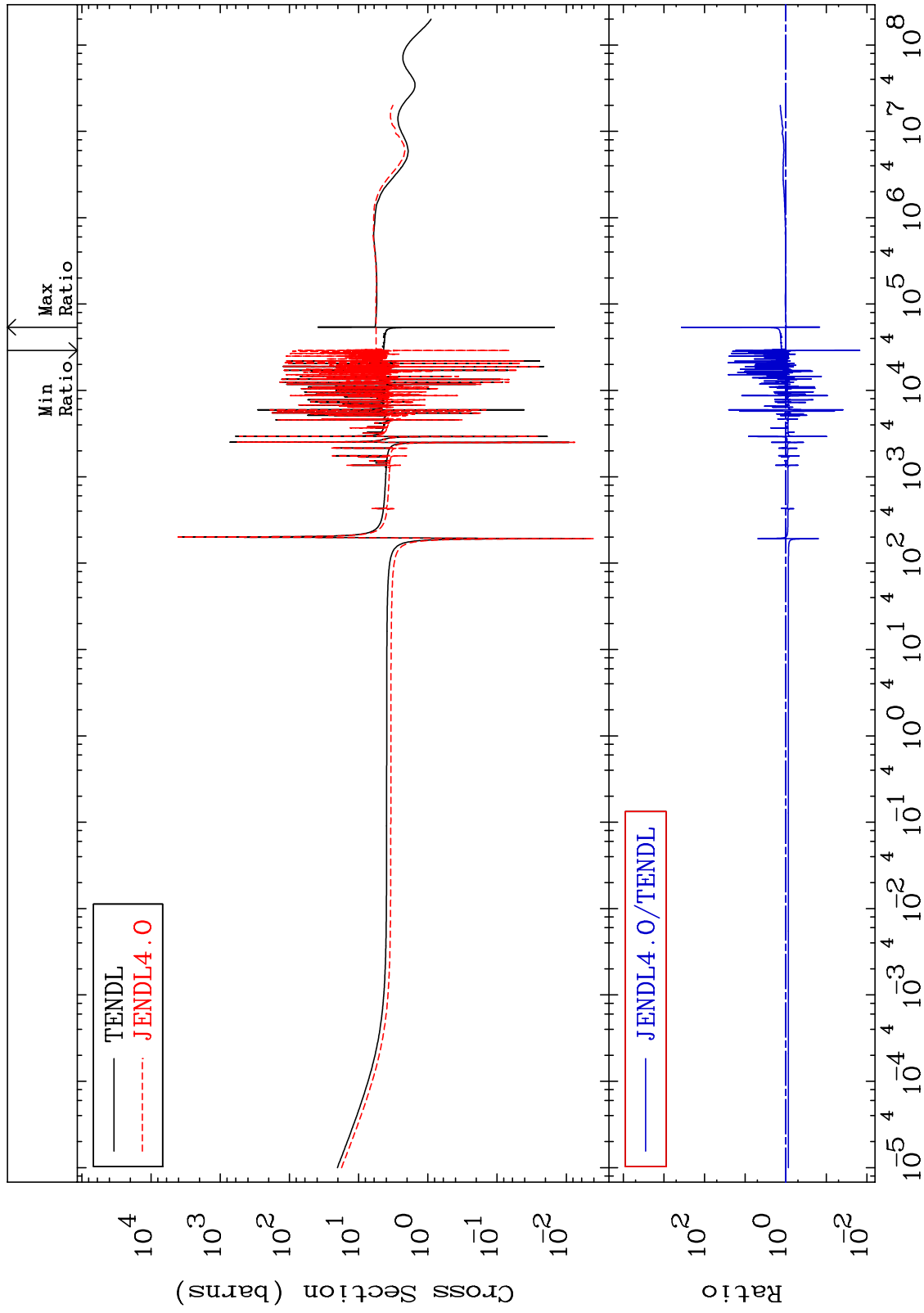
Incident Energy (eV)

52-Te-126

MAT 5243

Elastic
Cross Section

52-Te-126
-98.49 To 9999. %

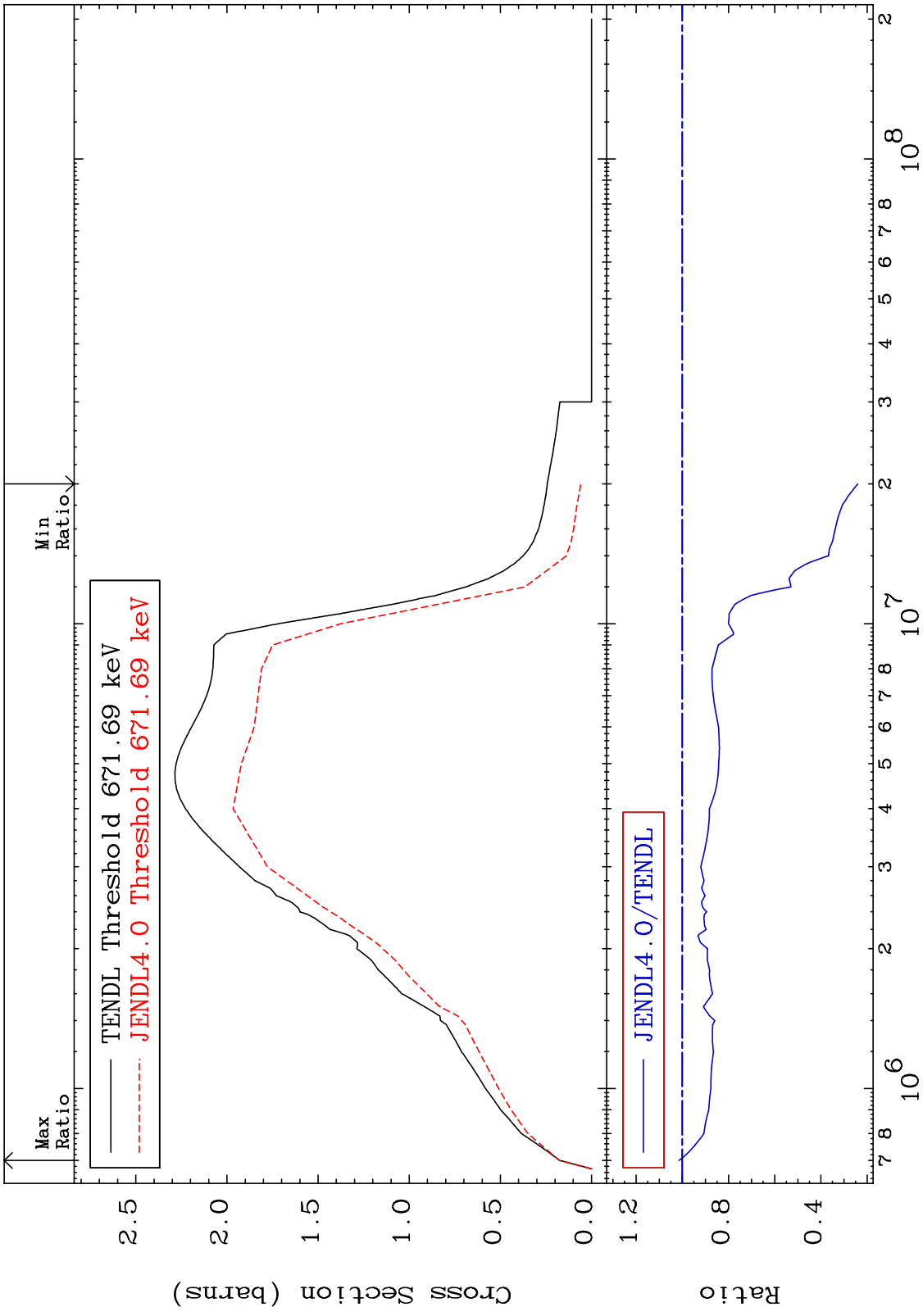


2

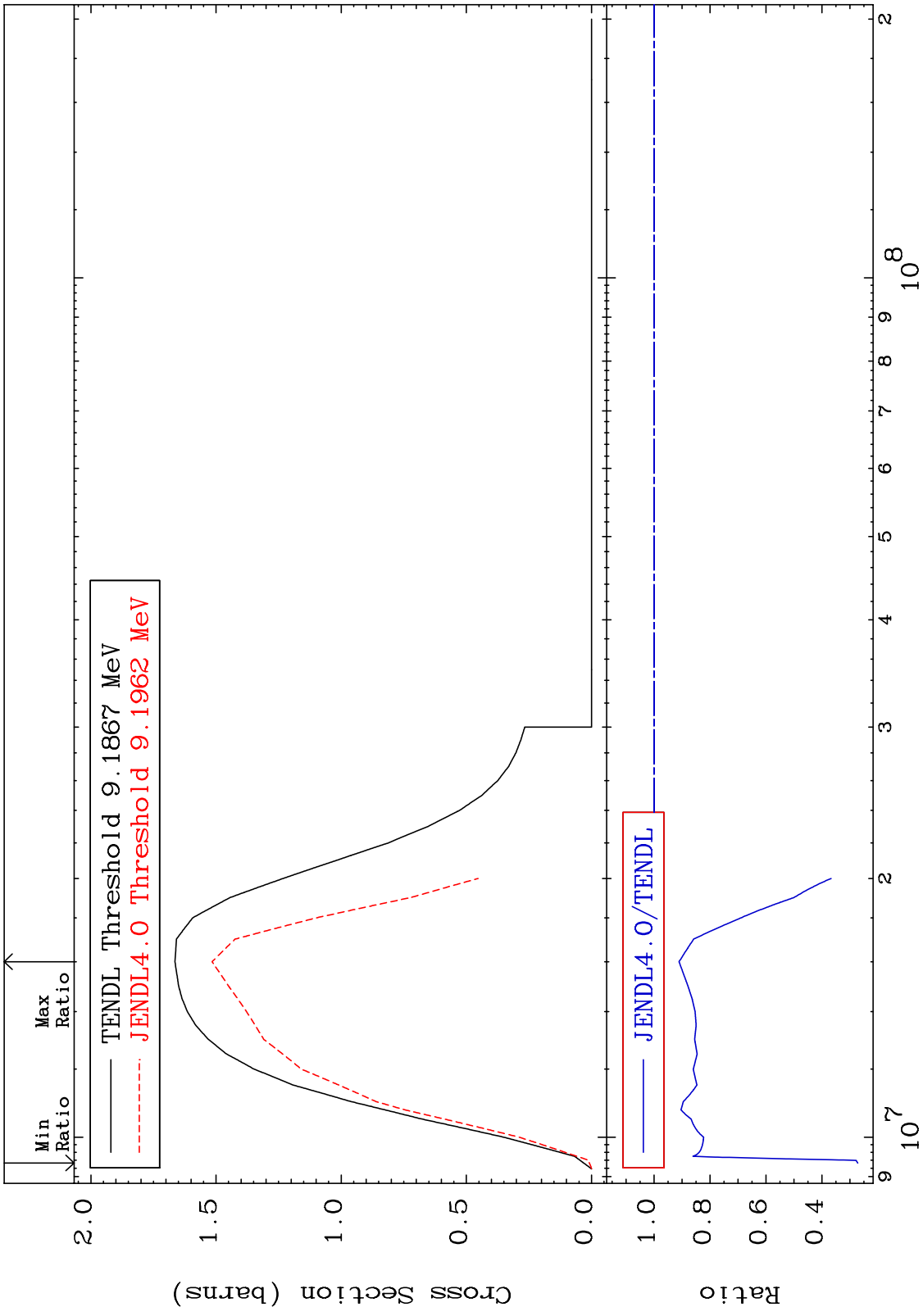
Incident Energy (eV)

52-Te-126

MAT 5243 Inelastic Cross Section 52-Te-126 -75.98 To 1.423 %

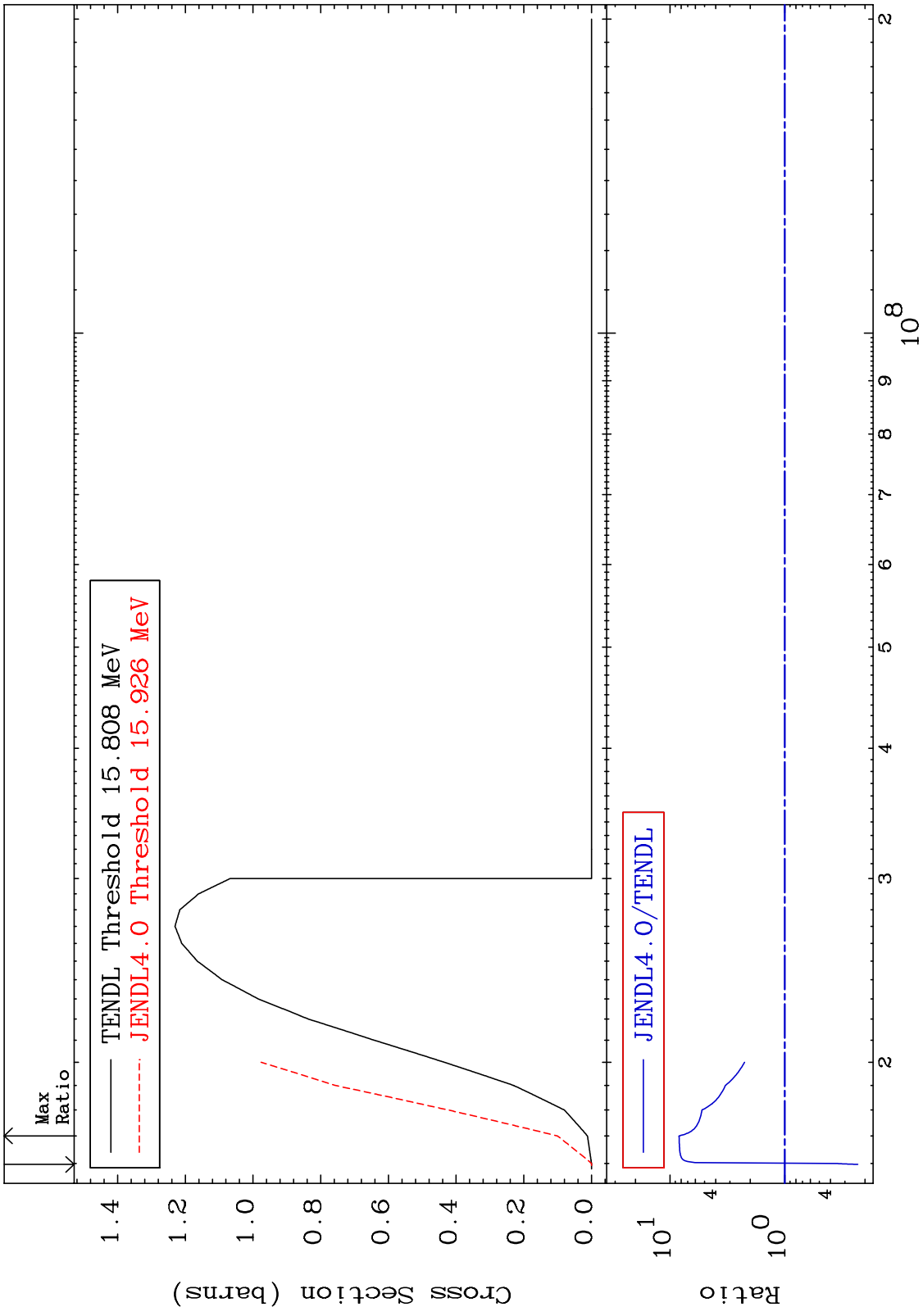


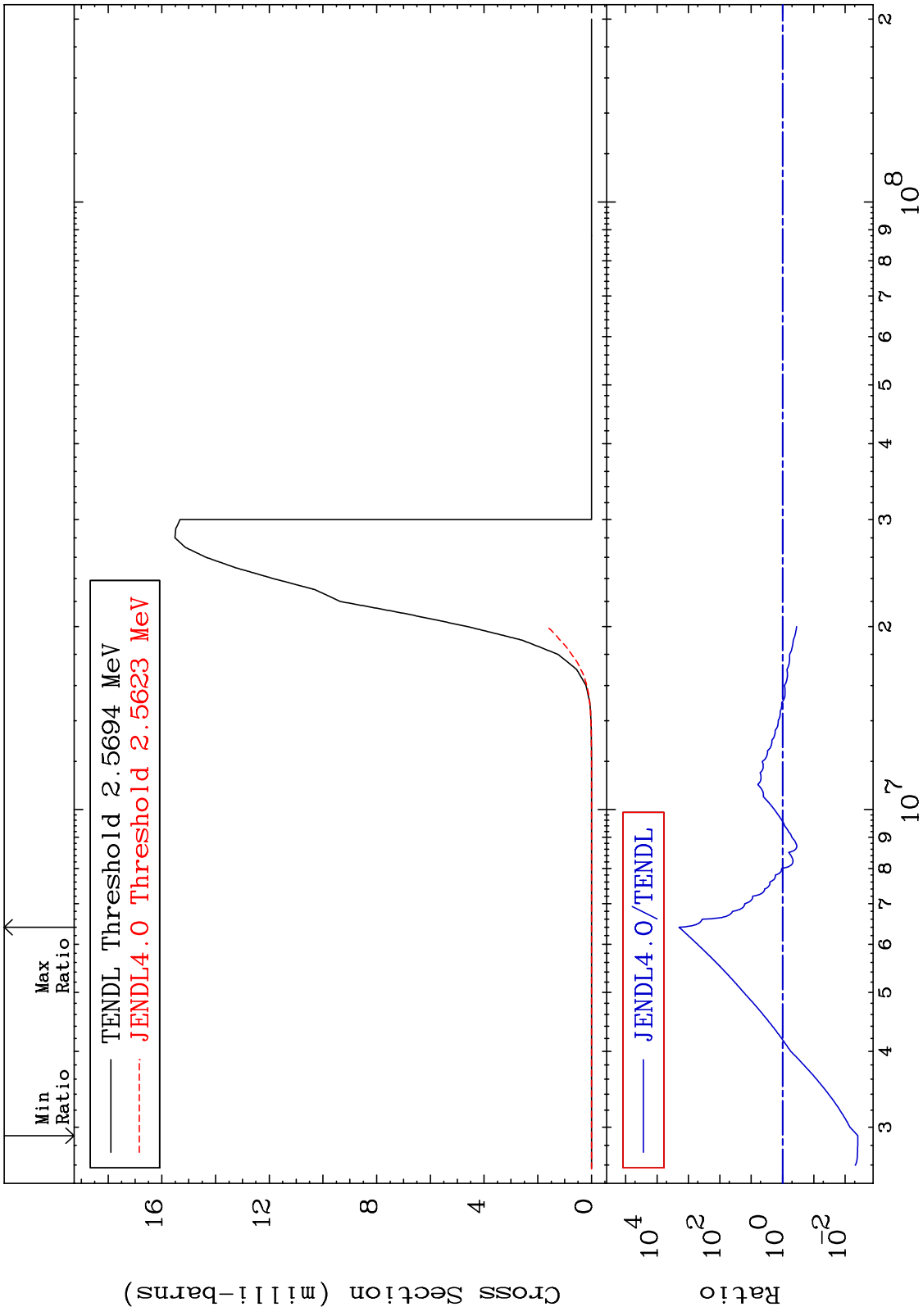
MAT 5243 (n,2n) Cross Section 52-Te-126 -72.82 To -8.915%



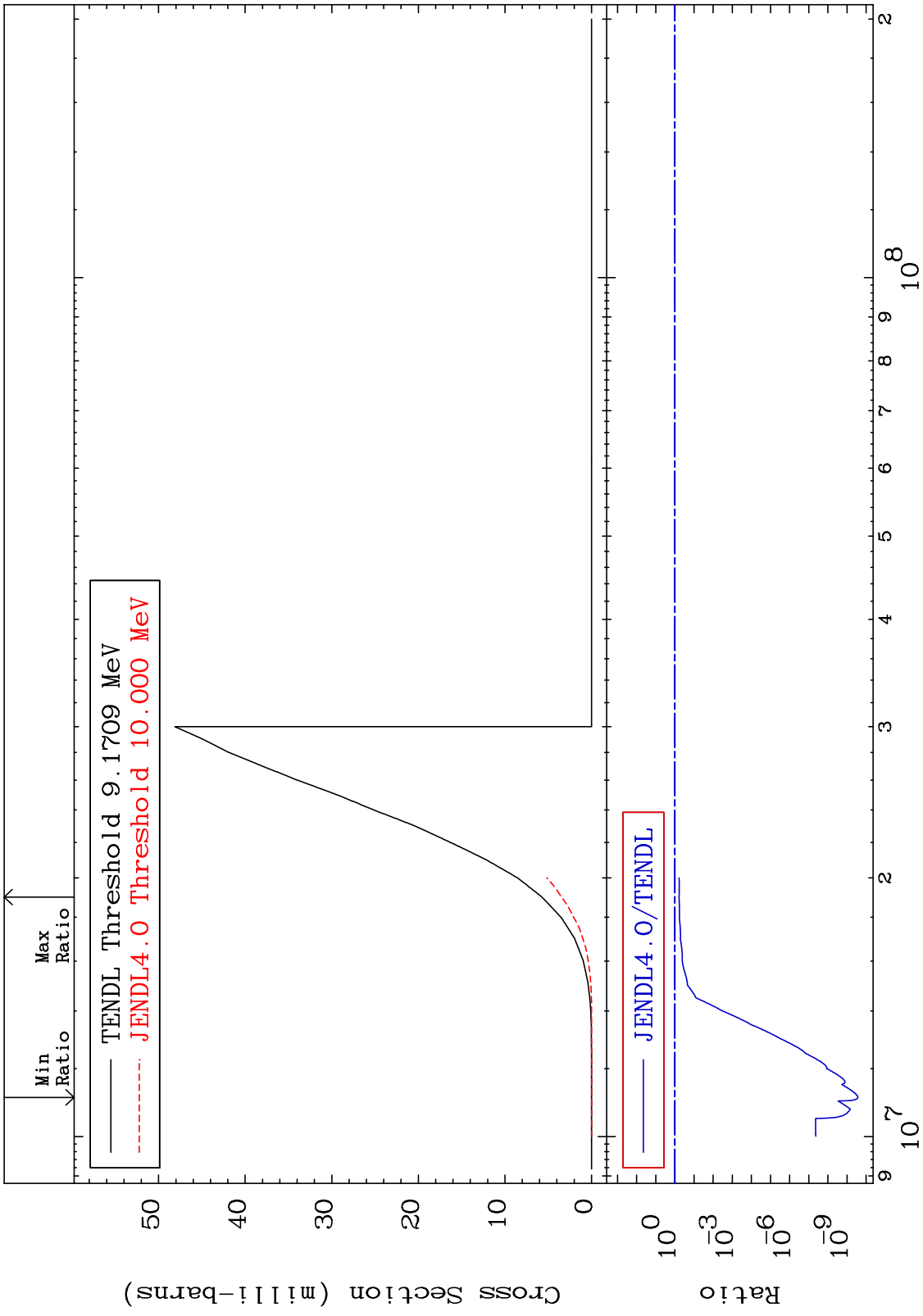
4 Incident Energy (eV) 52-Te-126

MAT 5243 (n,3n) Cross Section 52-Te-126 -76.89 To 733.6 %



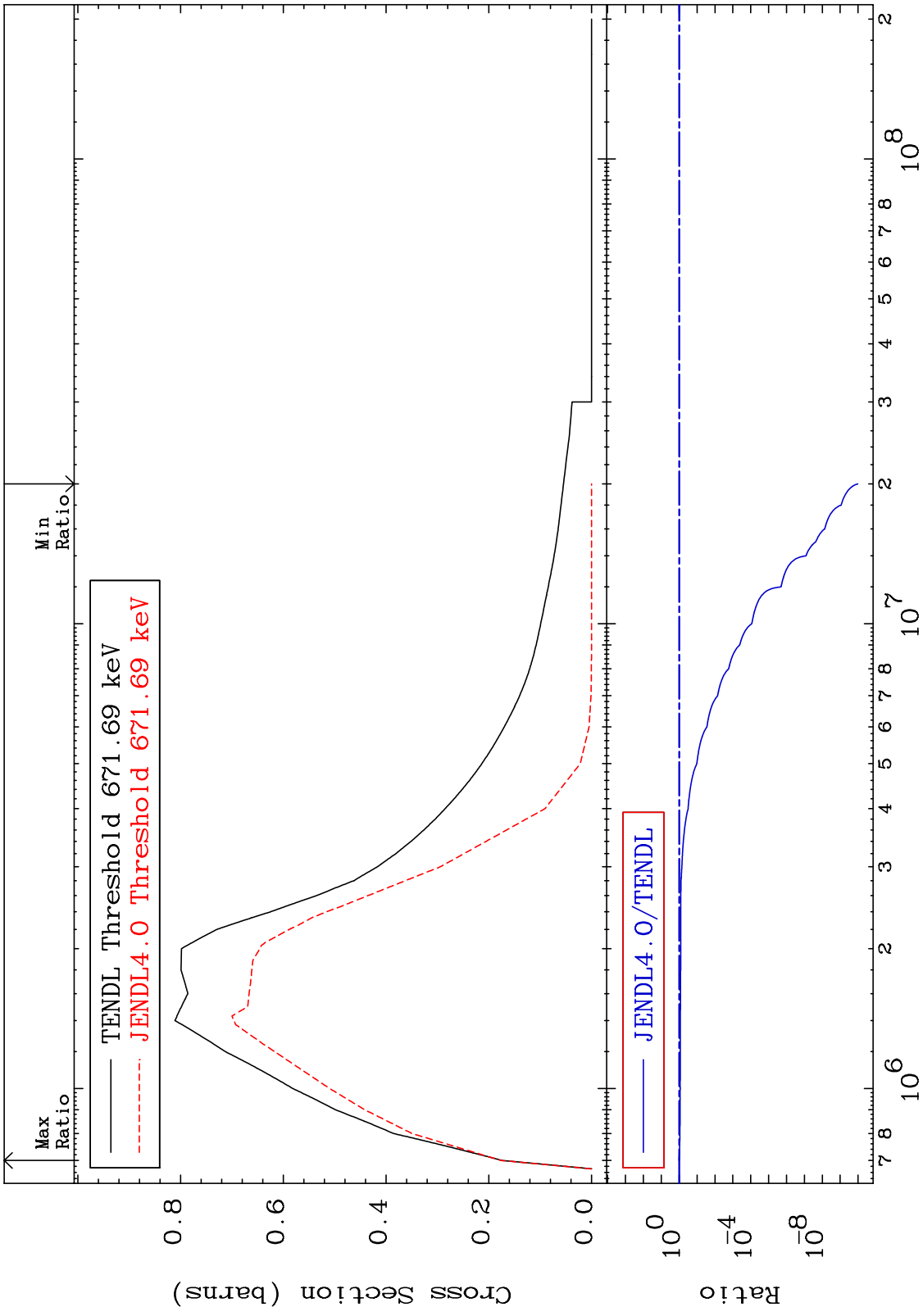


MAT 5243 (n, n') p 52-Te-126
 Cross Section -100.0 To -39.35%

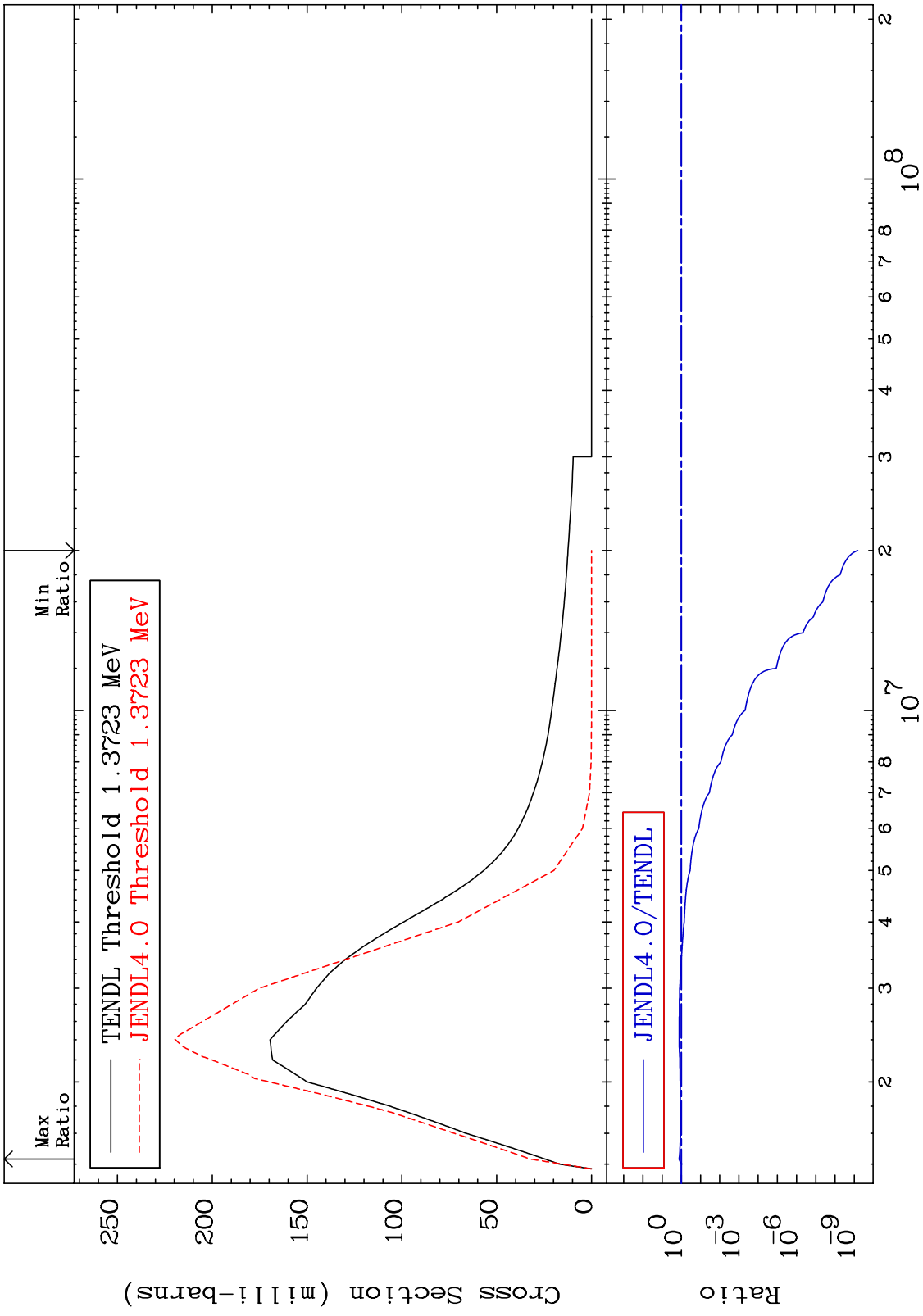


52-Te-126

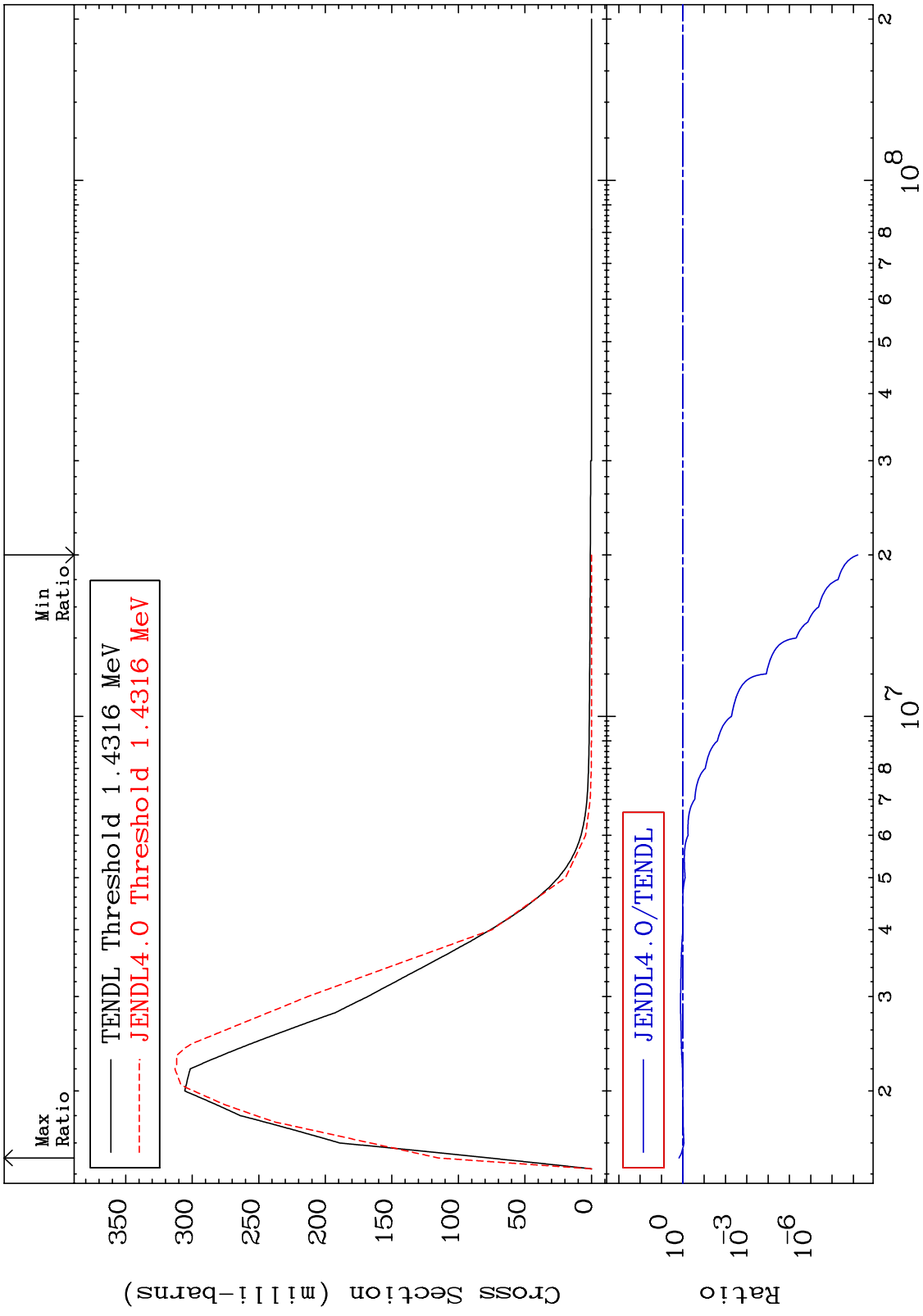
MAT 5243 MT= 51 (n,n') Level Cross Section 52-Te-126 -100.0 To 1.423 %



MAT 5243 MT= 52 (n,n') Level Cross Section 52-Te-126 -100.0 To 31.01 %

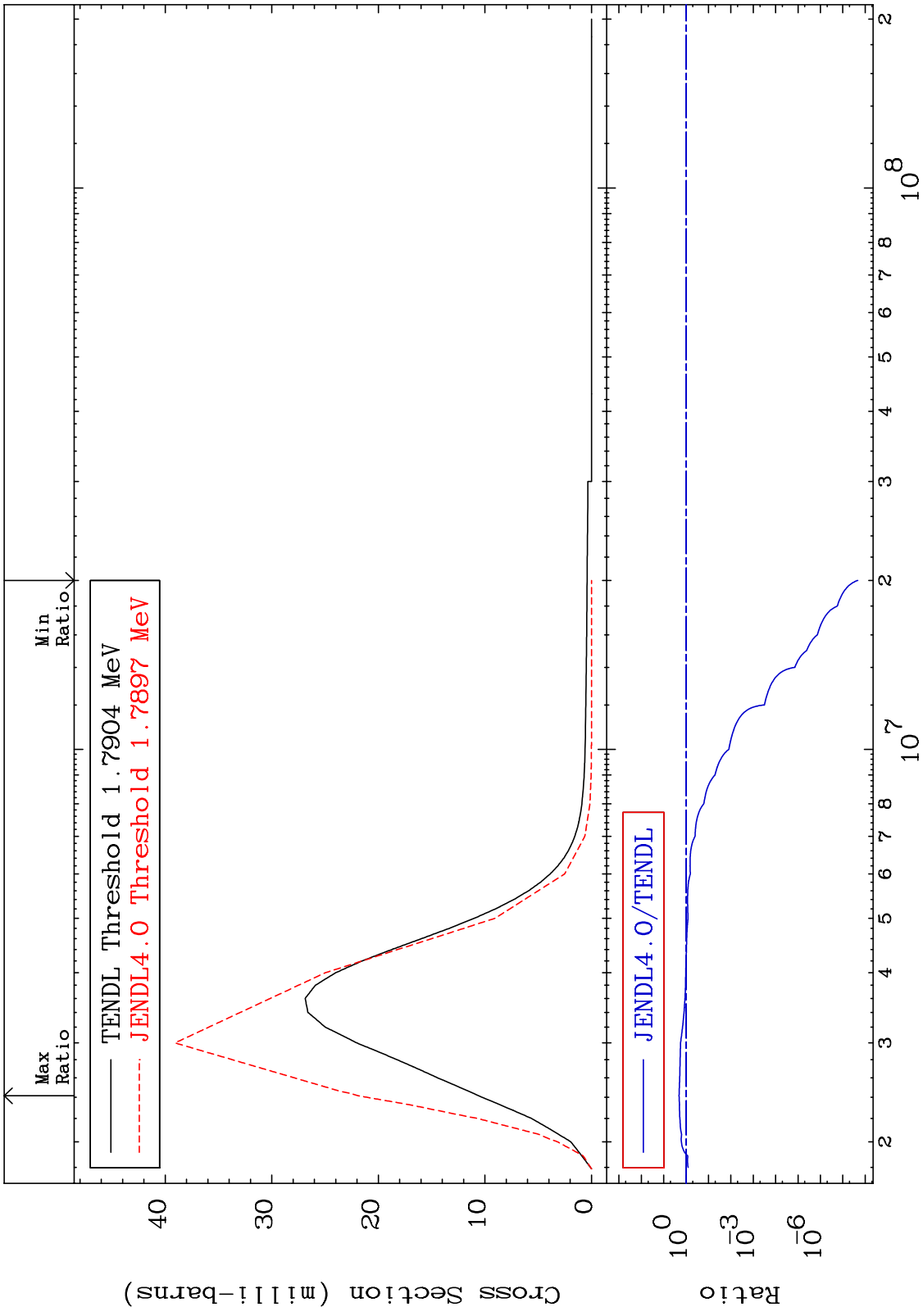


MAT 5243 MT= 53 (n,n') Level Cross Section 52-Te-126 -100.0 To 49.49 %

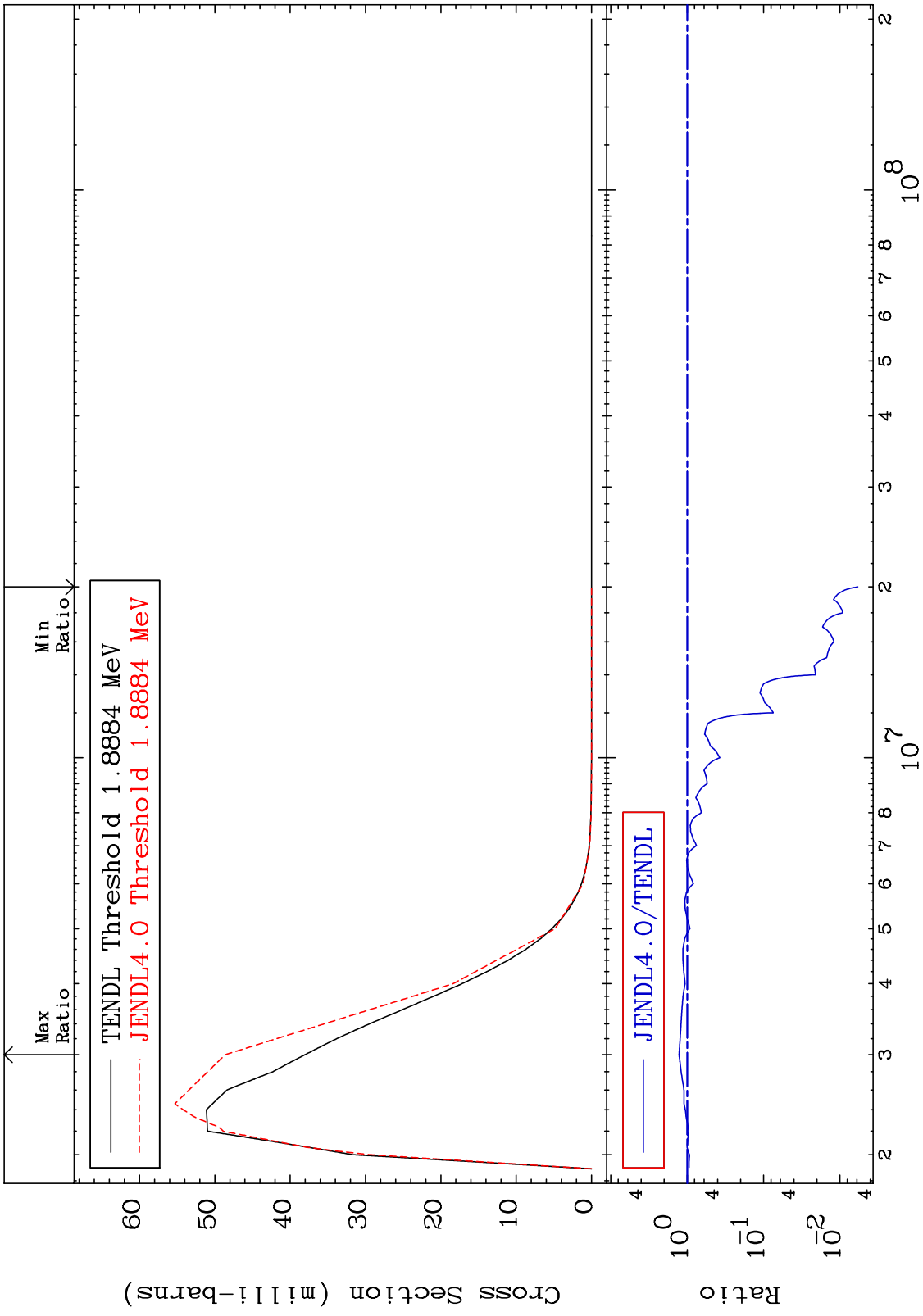


10 Incident Energy (eV) 52-Te-126

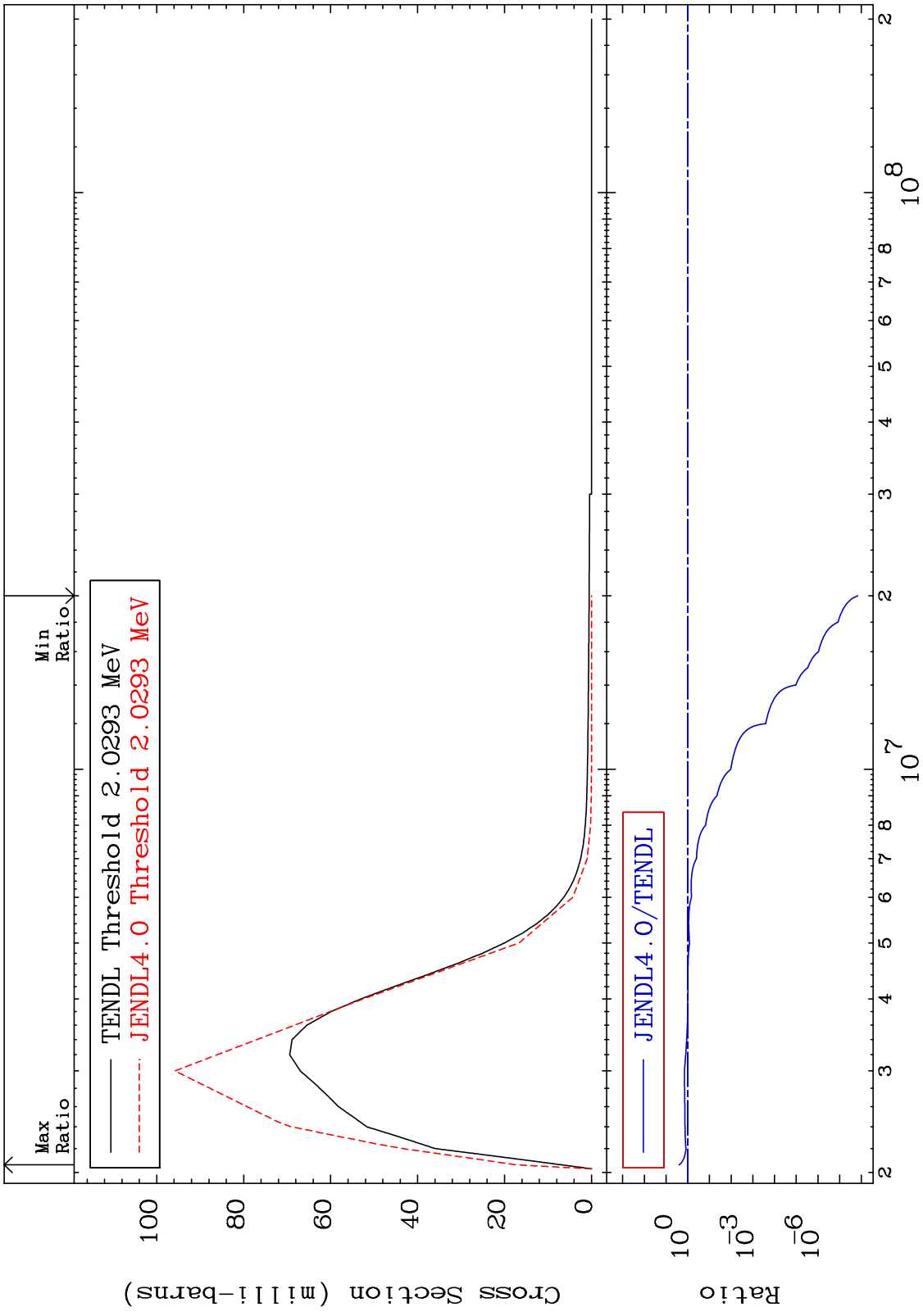
MAT 5243 MT= 54 (n,n') Level Cross Section 52-Te-126 -100.0 To 106.6 %



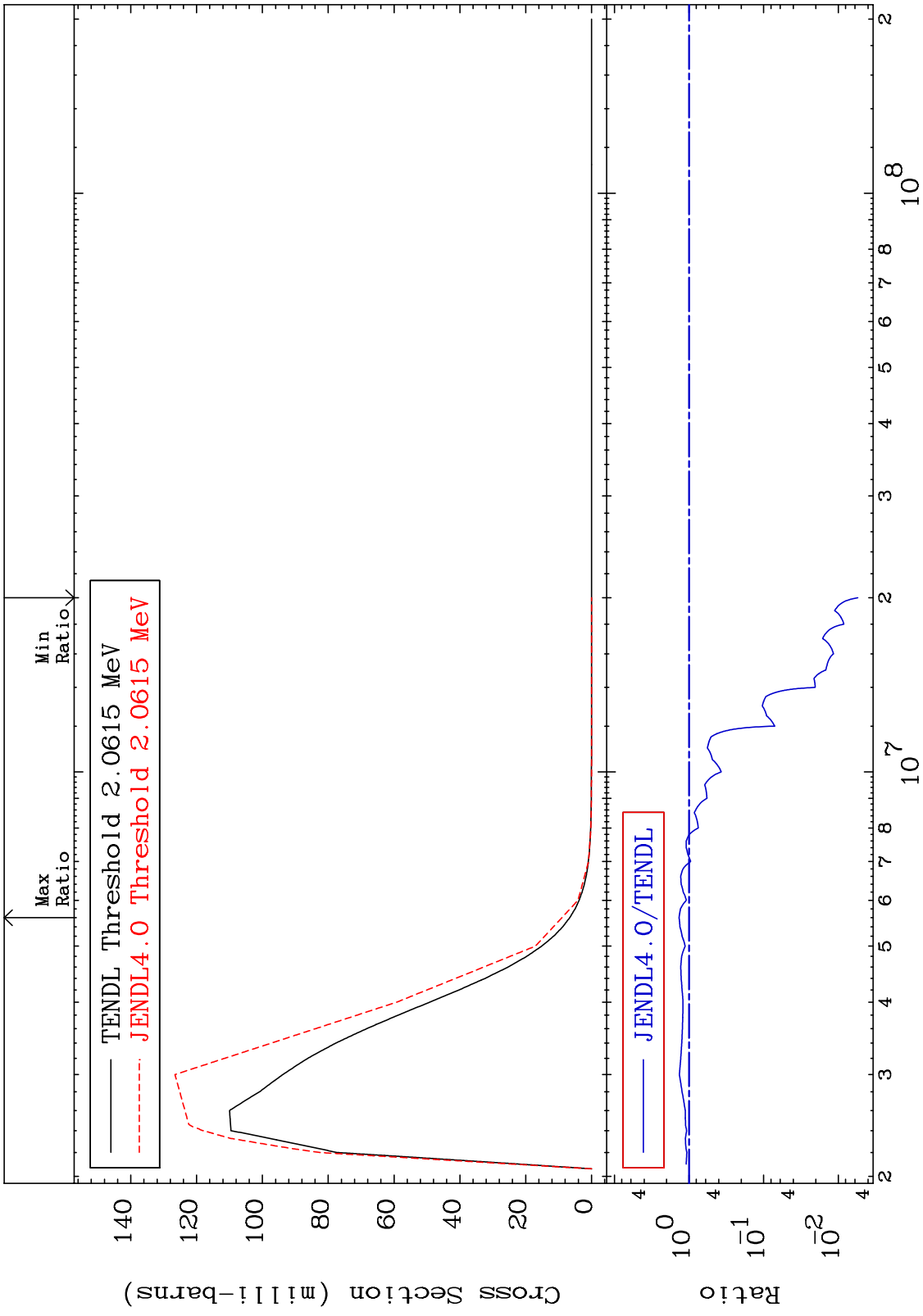
MAT 5243 MT= 55 (n,n') Level Cross Section 52-Te-126
 -99.42 To 27.86 %



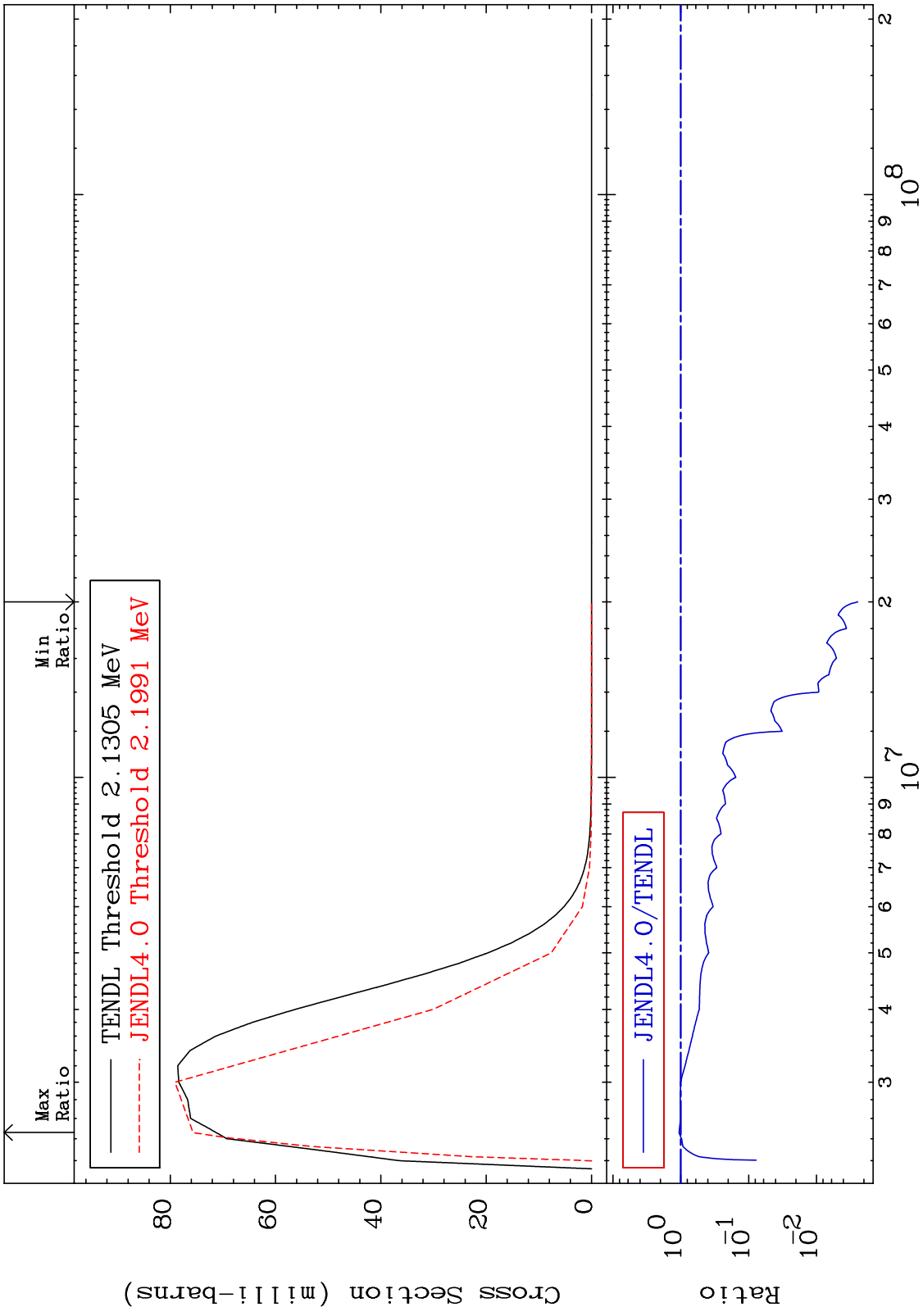
MAT 5243 MT= 56 (n,n') Level Cross Section 52-Te-126
 -100.0 To 151.8 %



MAT 5243 MT= 57 (n,n') Level Cross Section 52-Te-126 -99.45 To 36.17 %



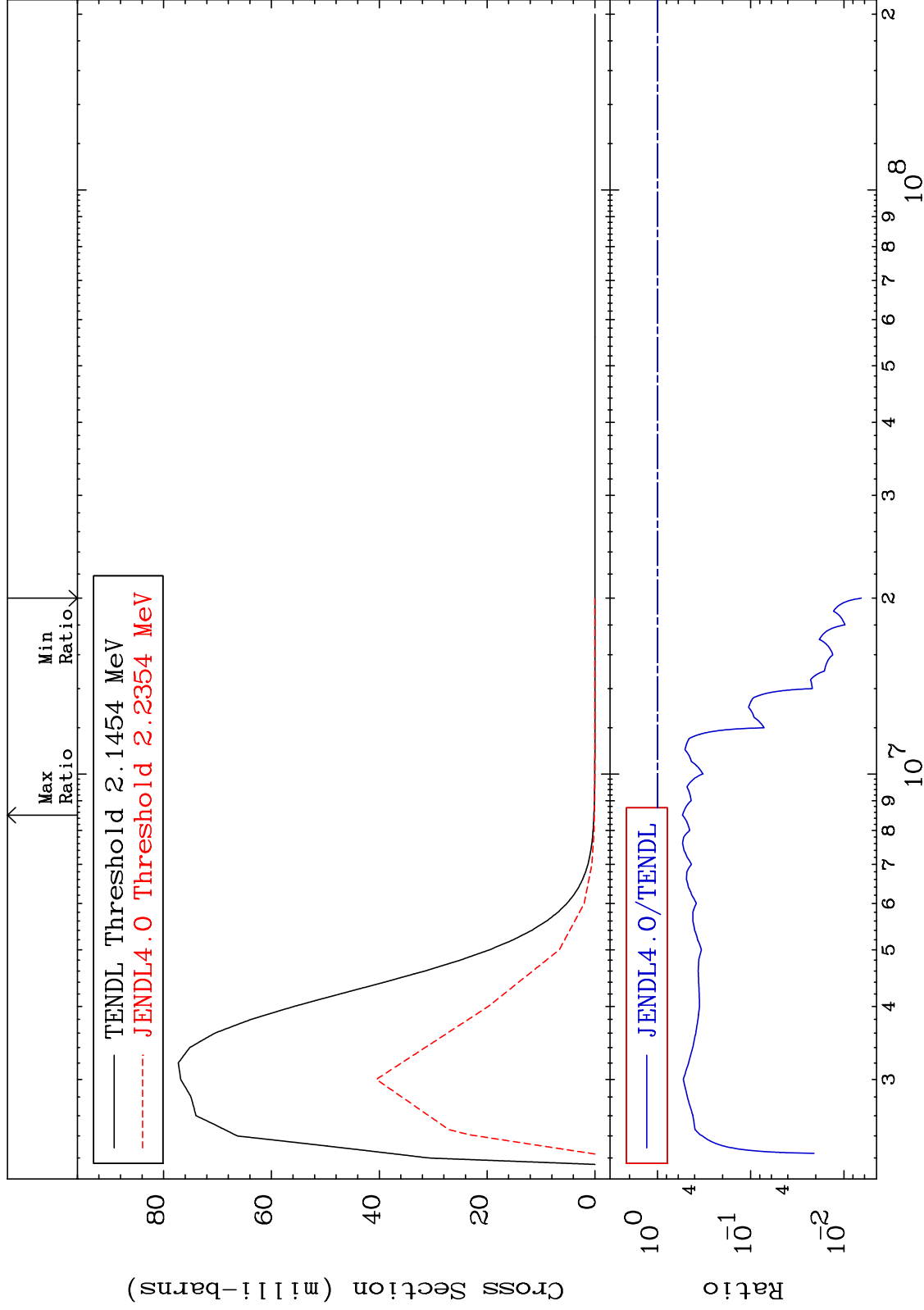
MAT 5243 MT= 58 (n,n') Level Cross Section 52-Te-126 -99.75 To 6.130 %



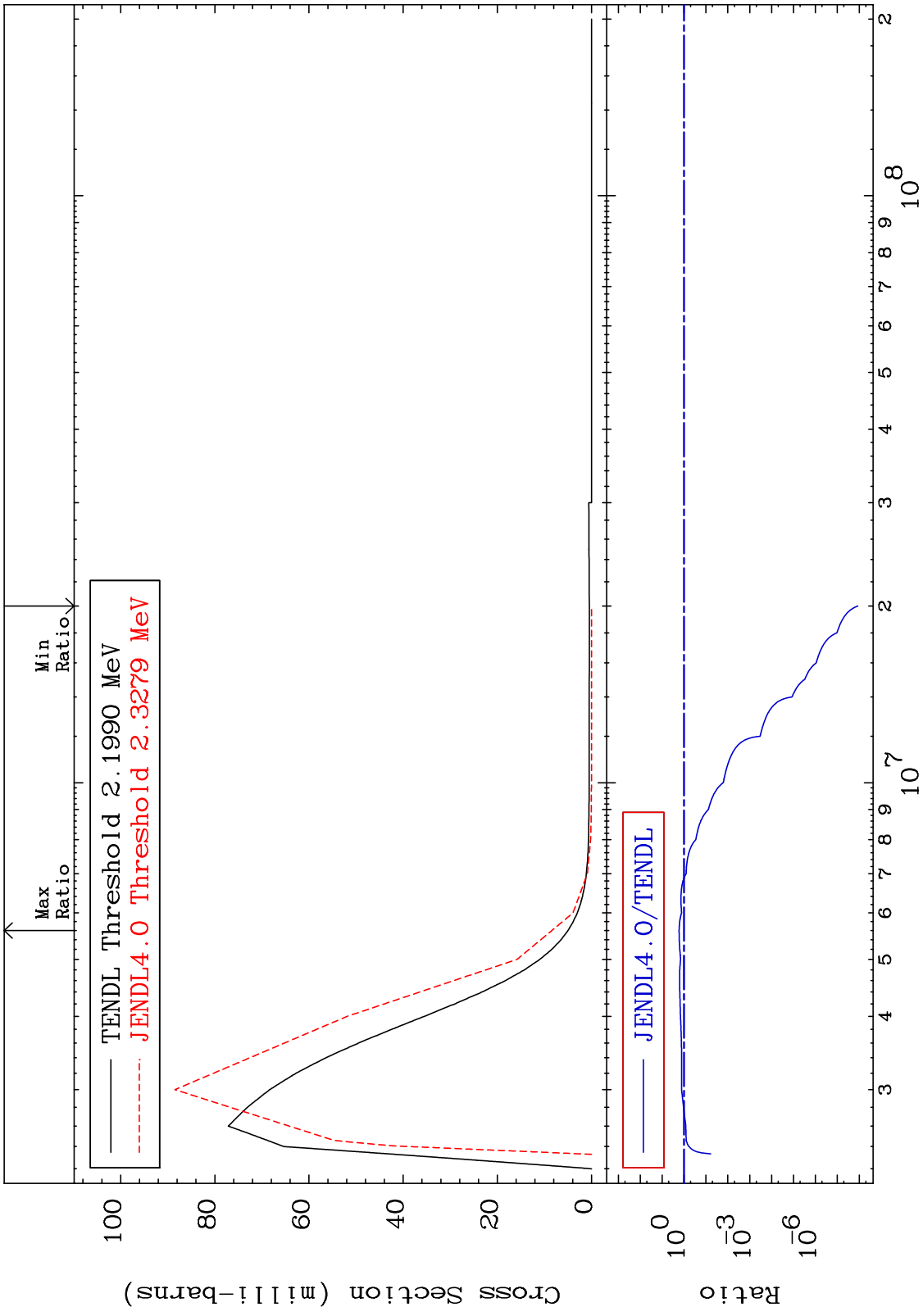
MAT 5243

MT= 59 (n,n') Level
Cross Section

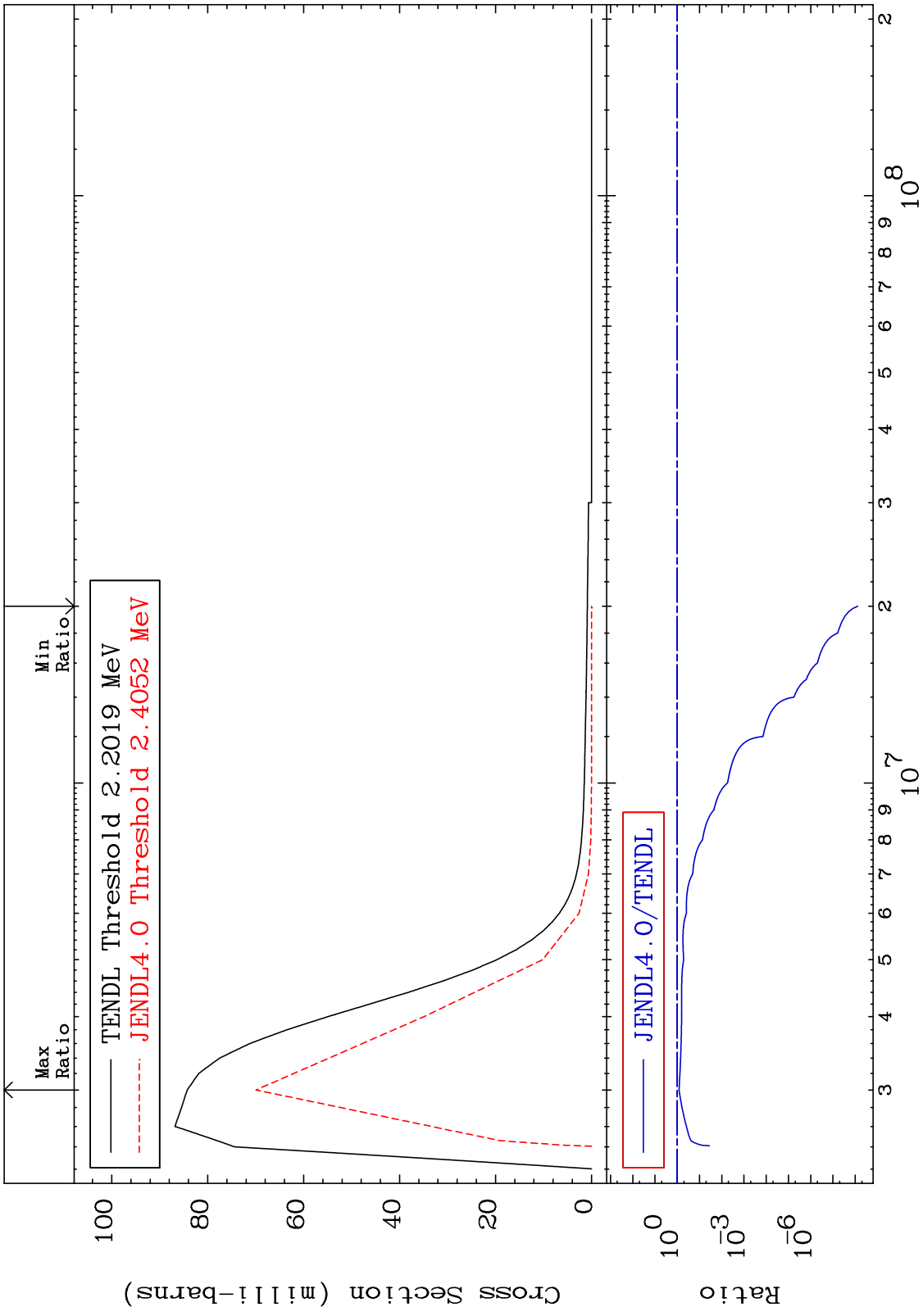
52-Te-126
-99.35 To -46.03%



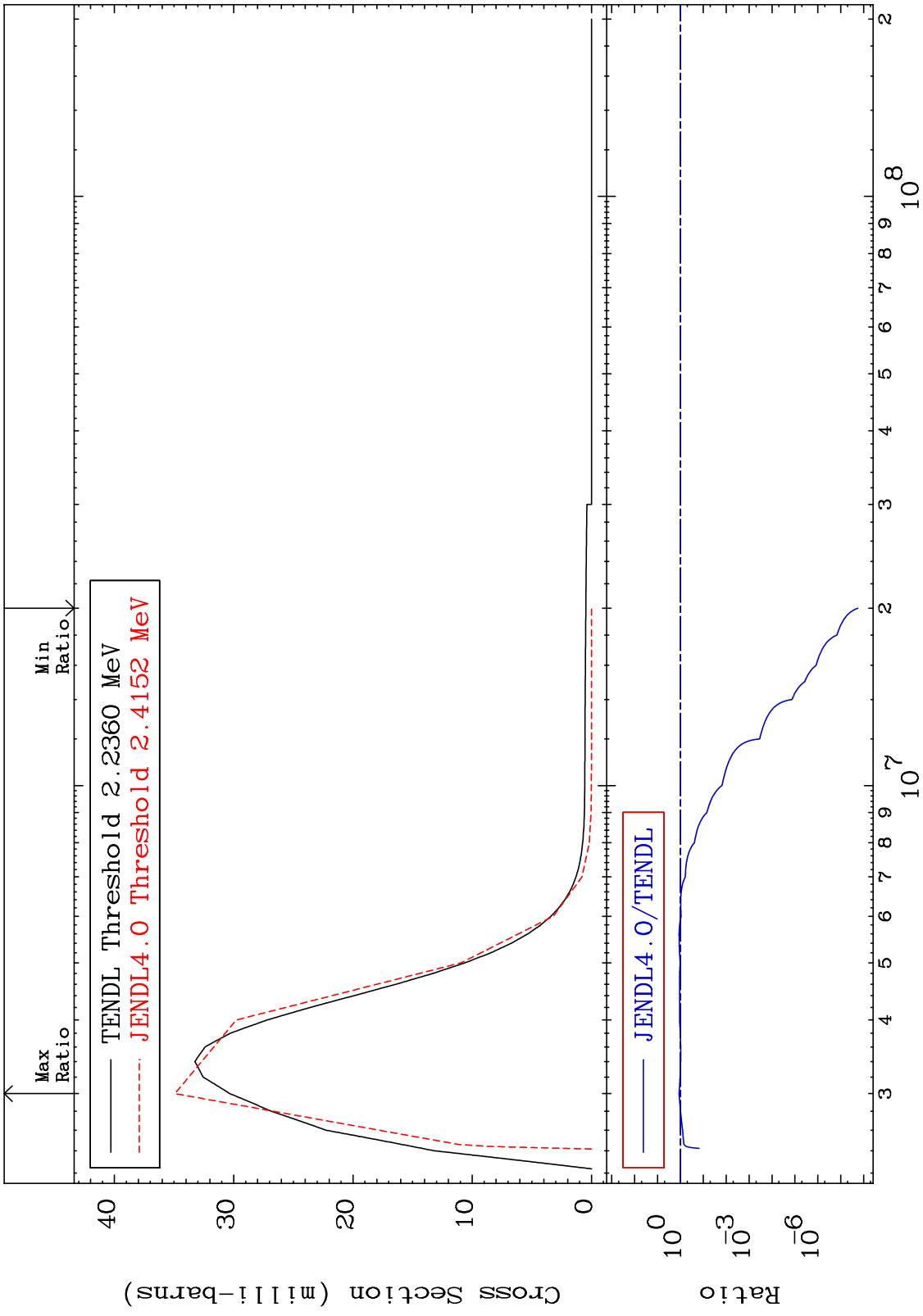
MAT 5243 MT= 60 (n,n') Level Cross Section 52-Te-126 -100.0 To 69.02 %



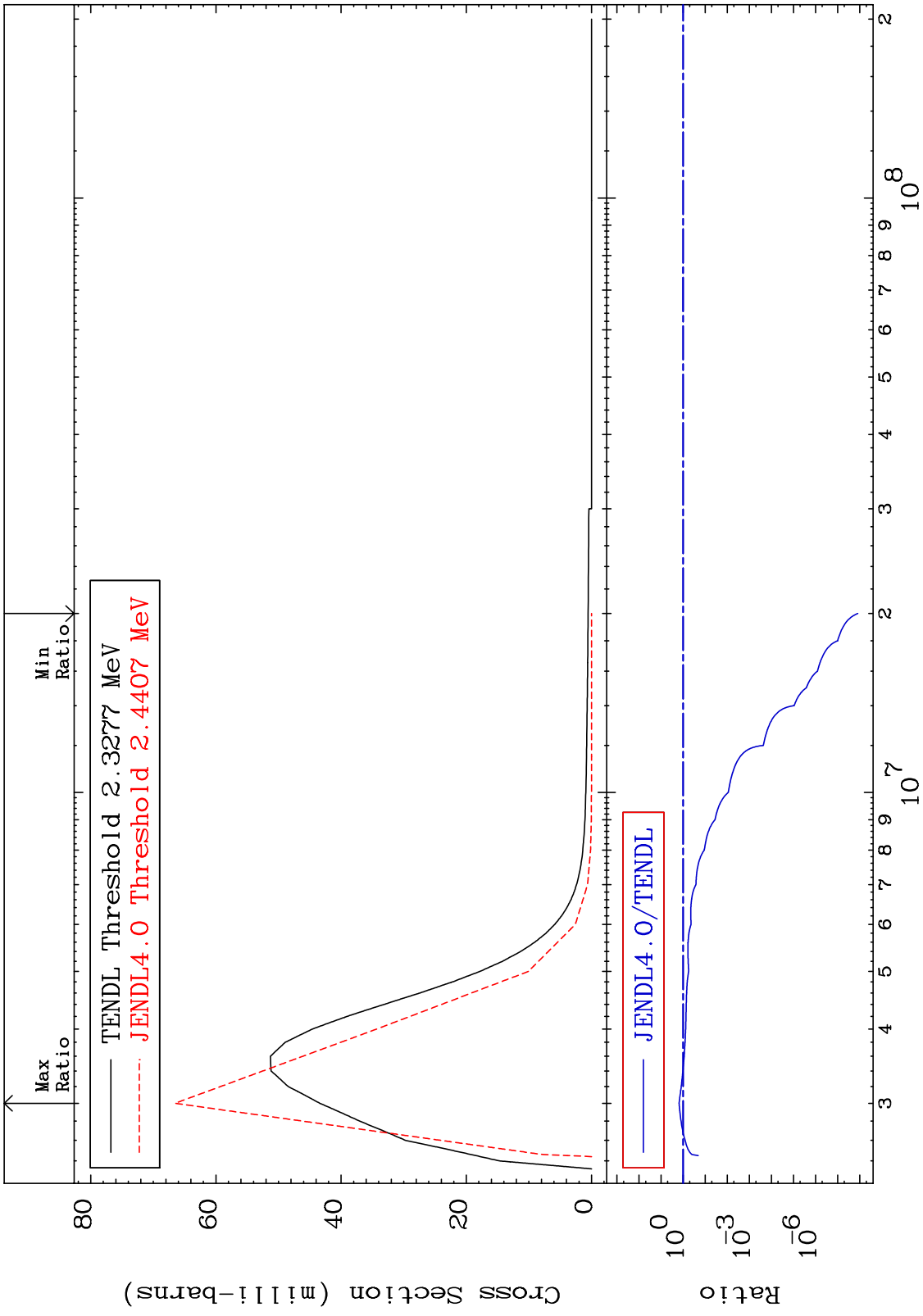
MAT 5243 MT= 61 (n,n') Level Cross Section 52-Te-126 -100.0 To -17.00%



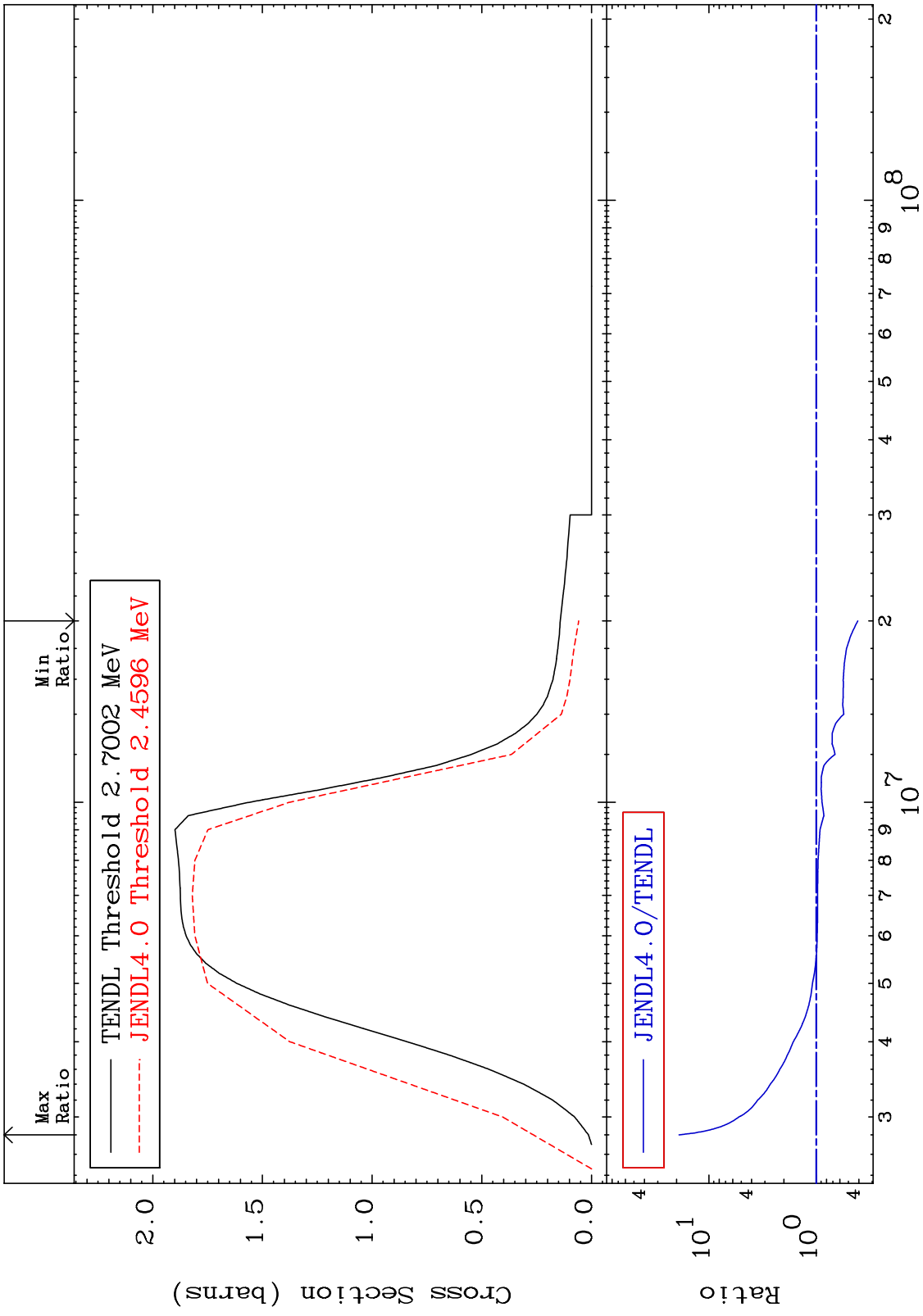
MAT 5243 MT= 62 (n,n') Level Cross Section 52-Te-126
 -100.0 To 15.17 %



MAT 5243 MT= 63 (n,n') Level Cross Section 52-Te-126 -100.0 To 53.38 %



MAT 5243 (n, n') Continuum Cross Section 52-Te-126 -59.14 To 1799. %



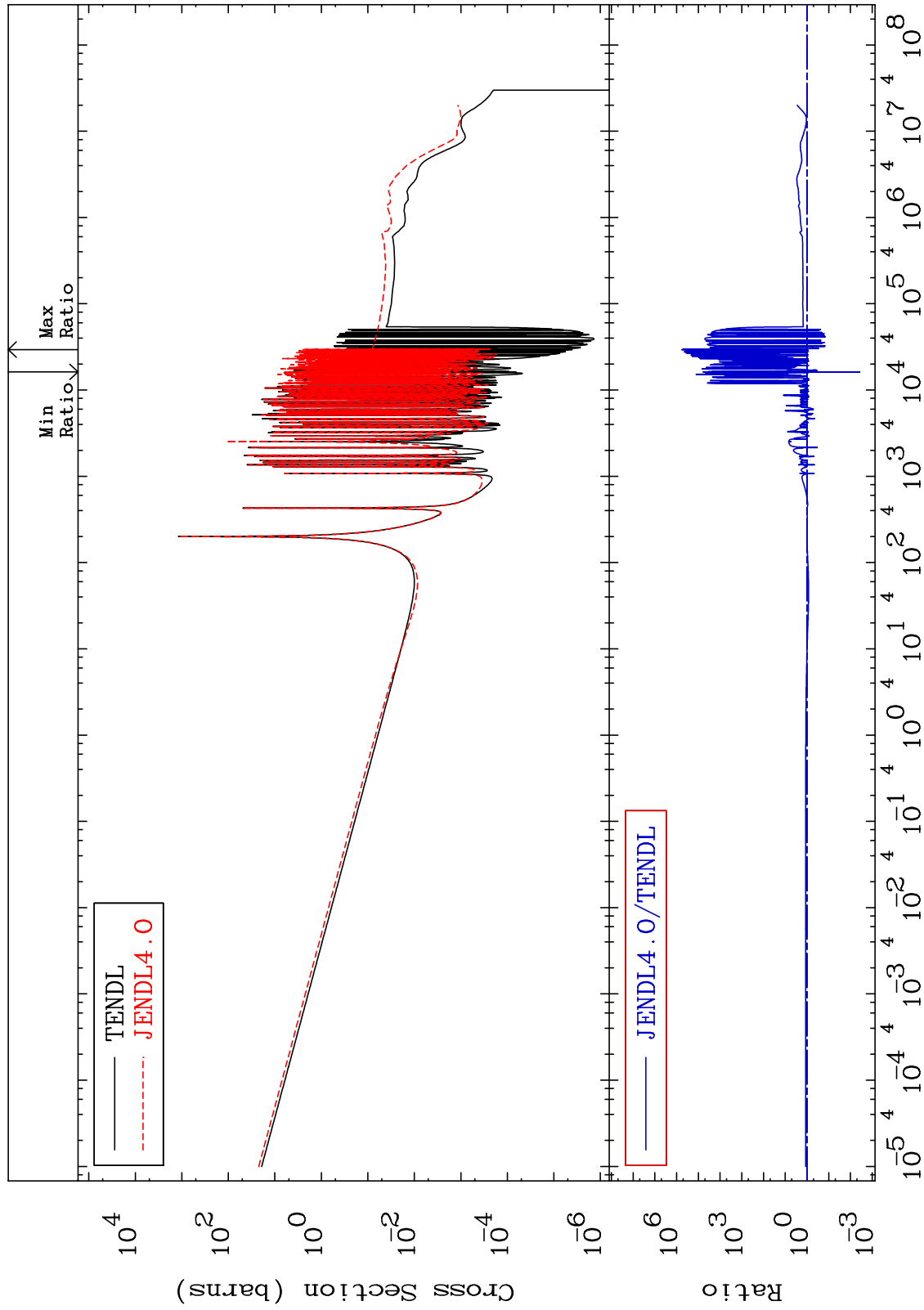
MAT 5243

(n, γ)

52-Te-126

Cross Section

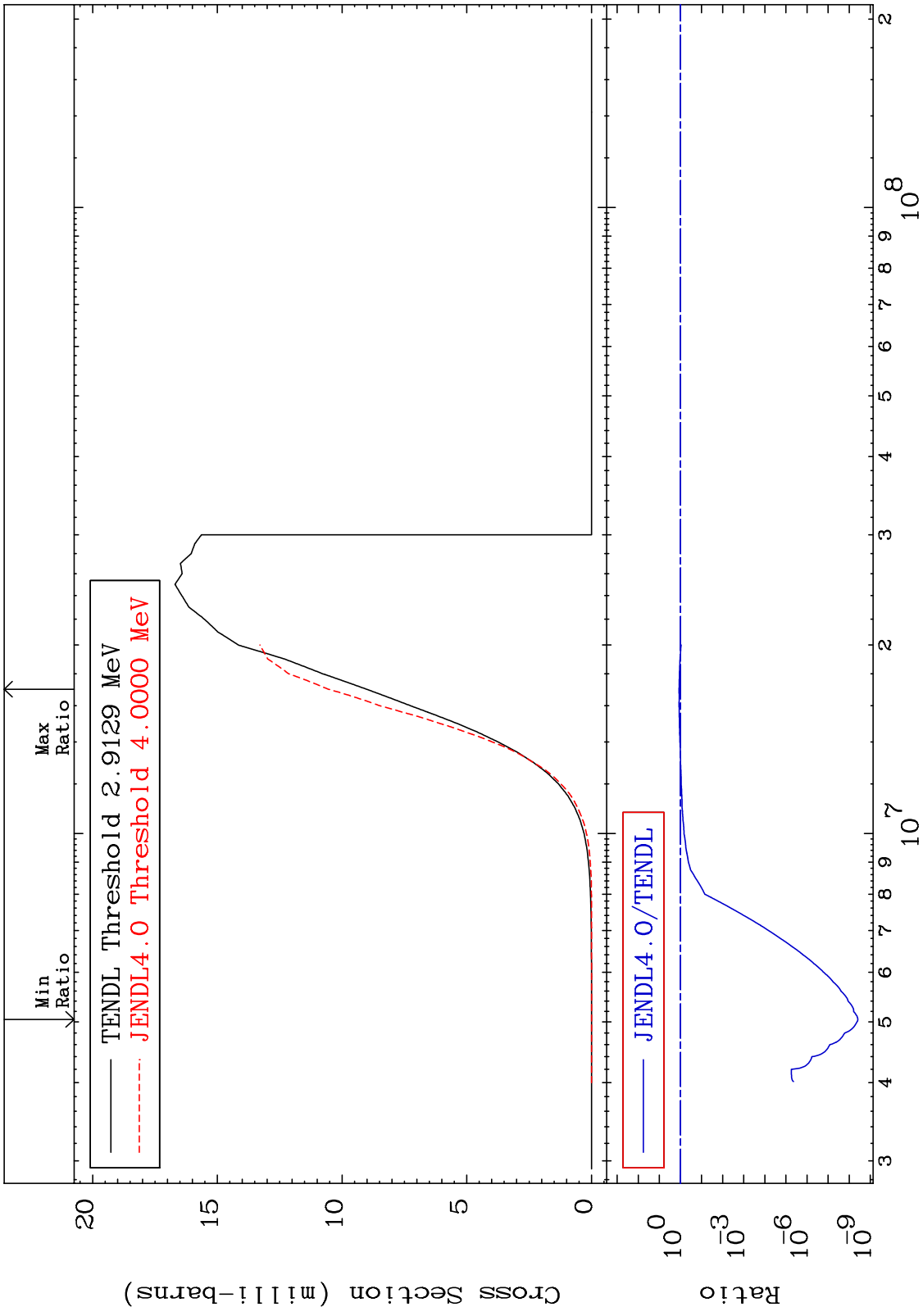
-99.63 To 9999. %



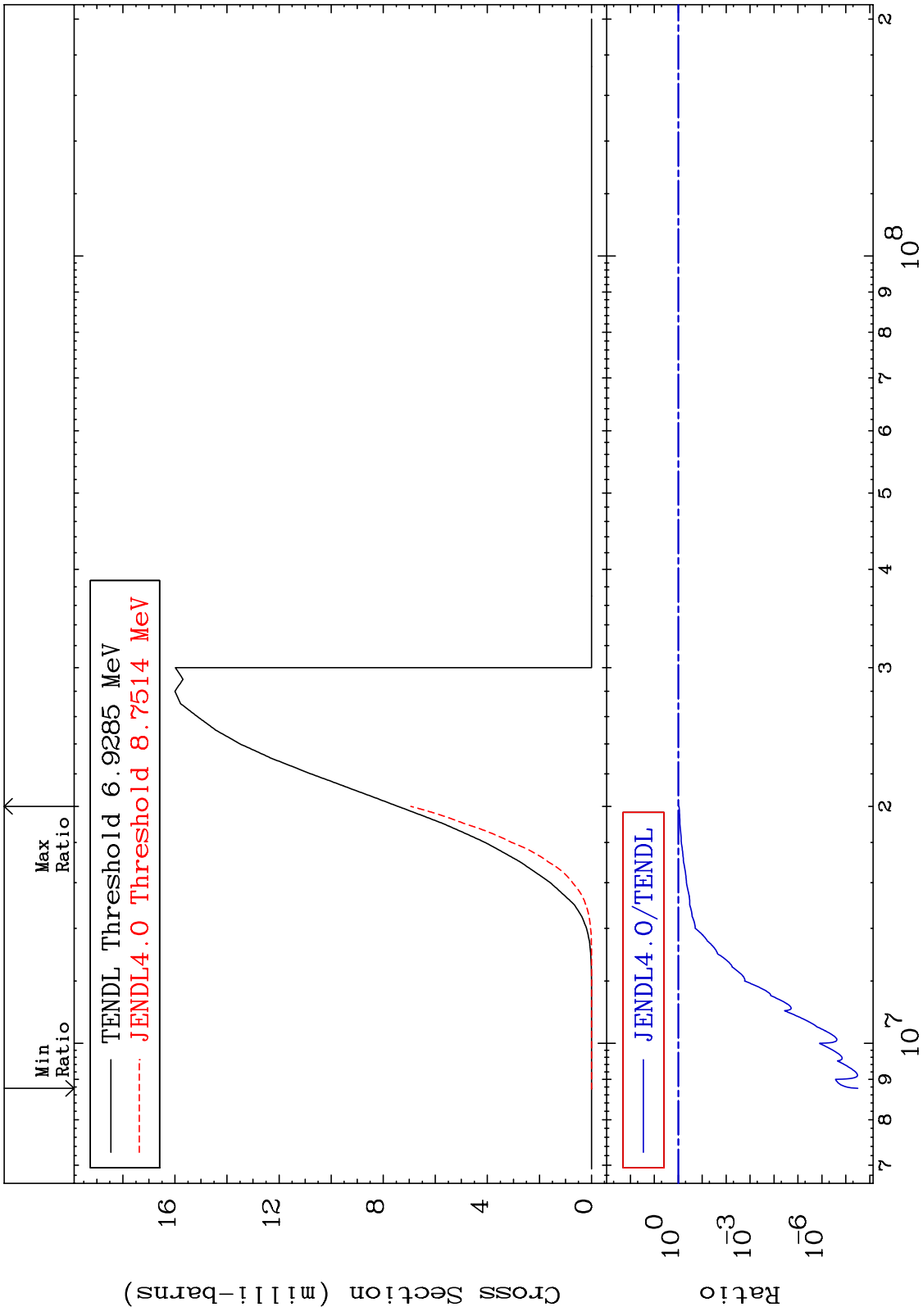
Incident Energy (eV)

52-Te-126

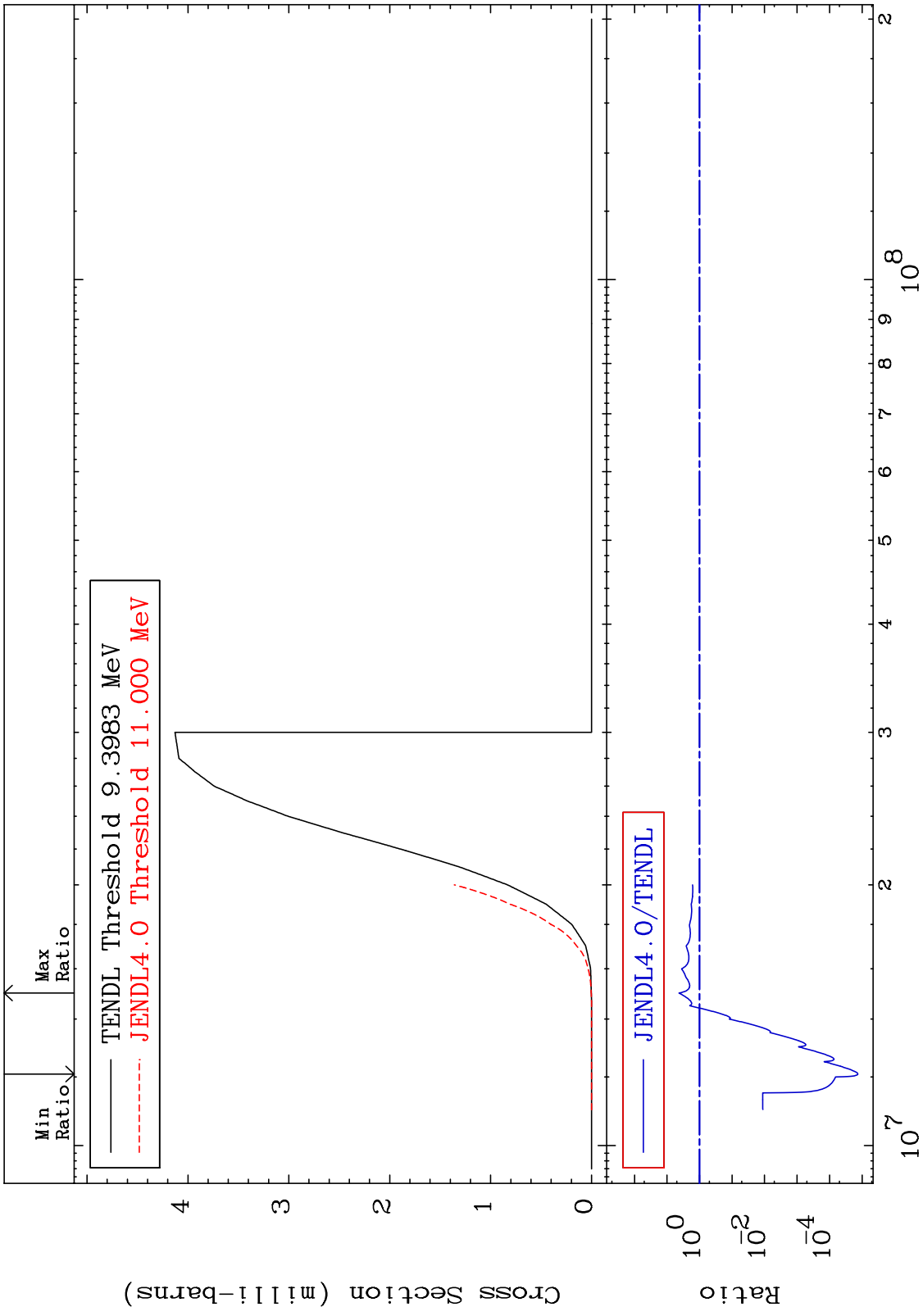
MAT 5243 52-Te-126
-100.0 To 17.00 %



MAT 5243 (n,d) Cross Section 52-Te-126 -100.0 To -6.759%

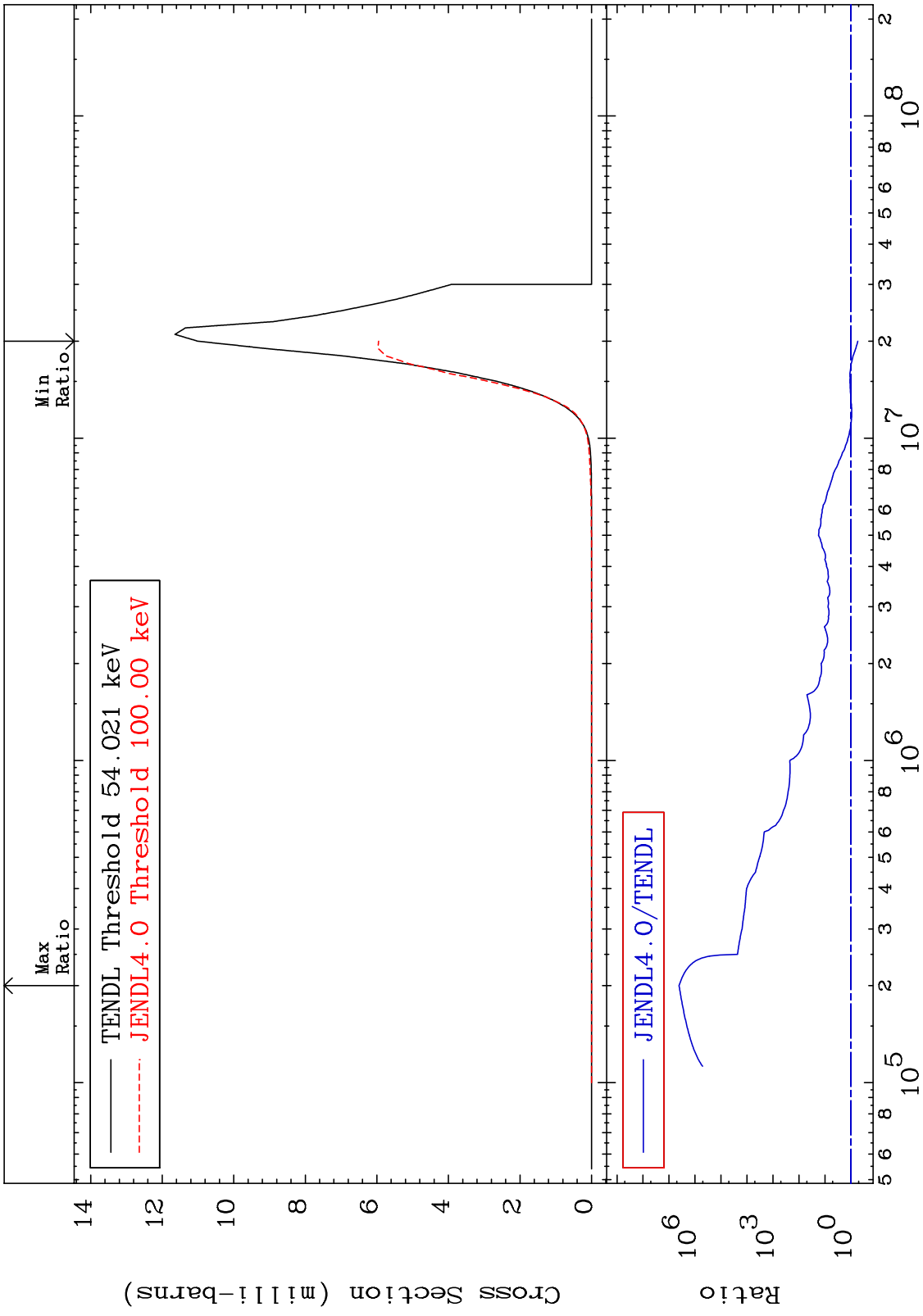


MAT 5243 (n,t) 52-Te-126
 Cross Section -100.0 To 326.8 %



25 52-Te-126

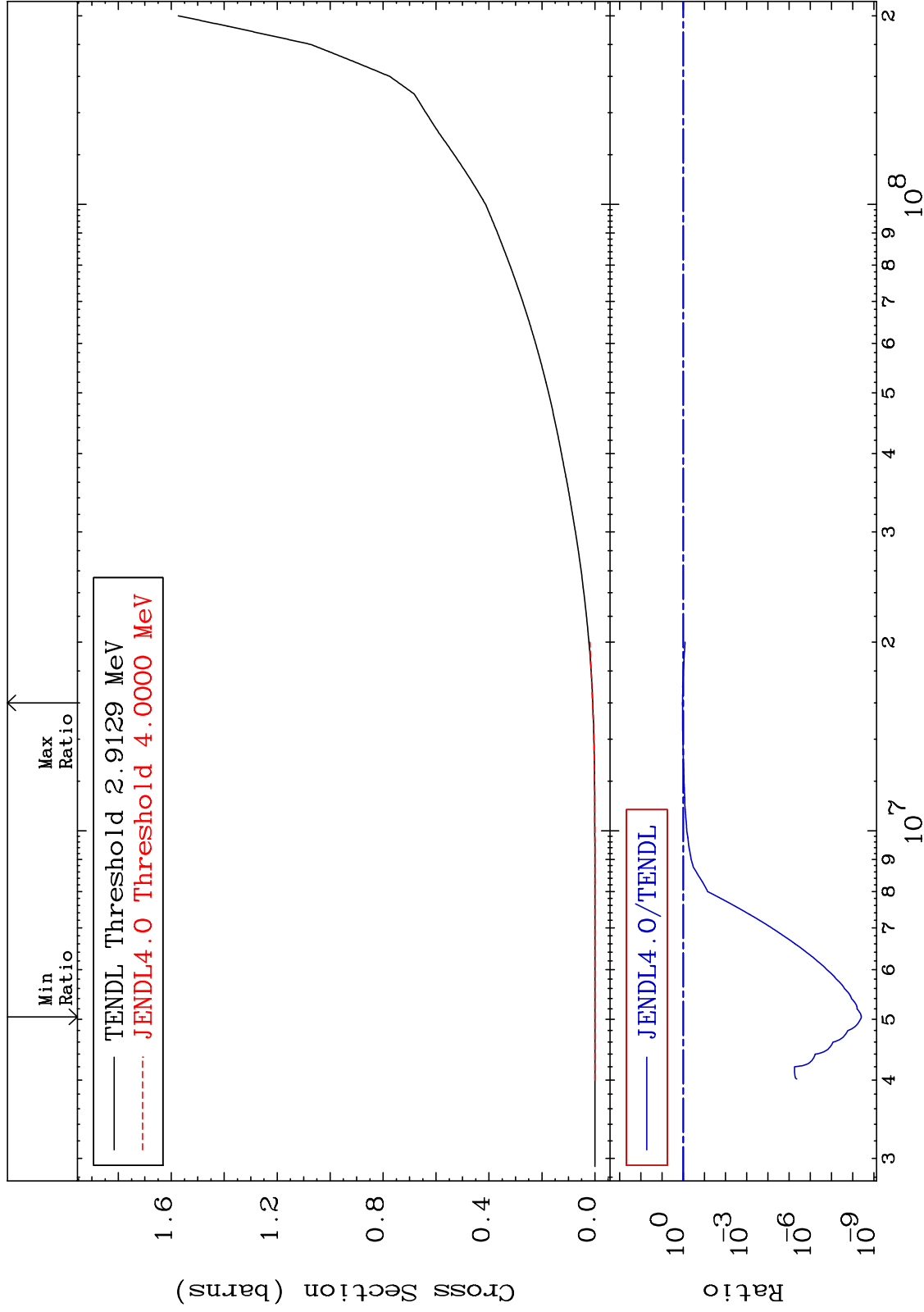
MAT 5243 52-Te-126
 (n, α) -45.90 To 9999. %
 Cross Section



MAT 5243

Hydrogen Production
Cross Section

52-Te-126
-100.0 To 8.231 %



27

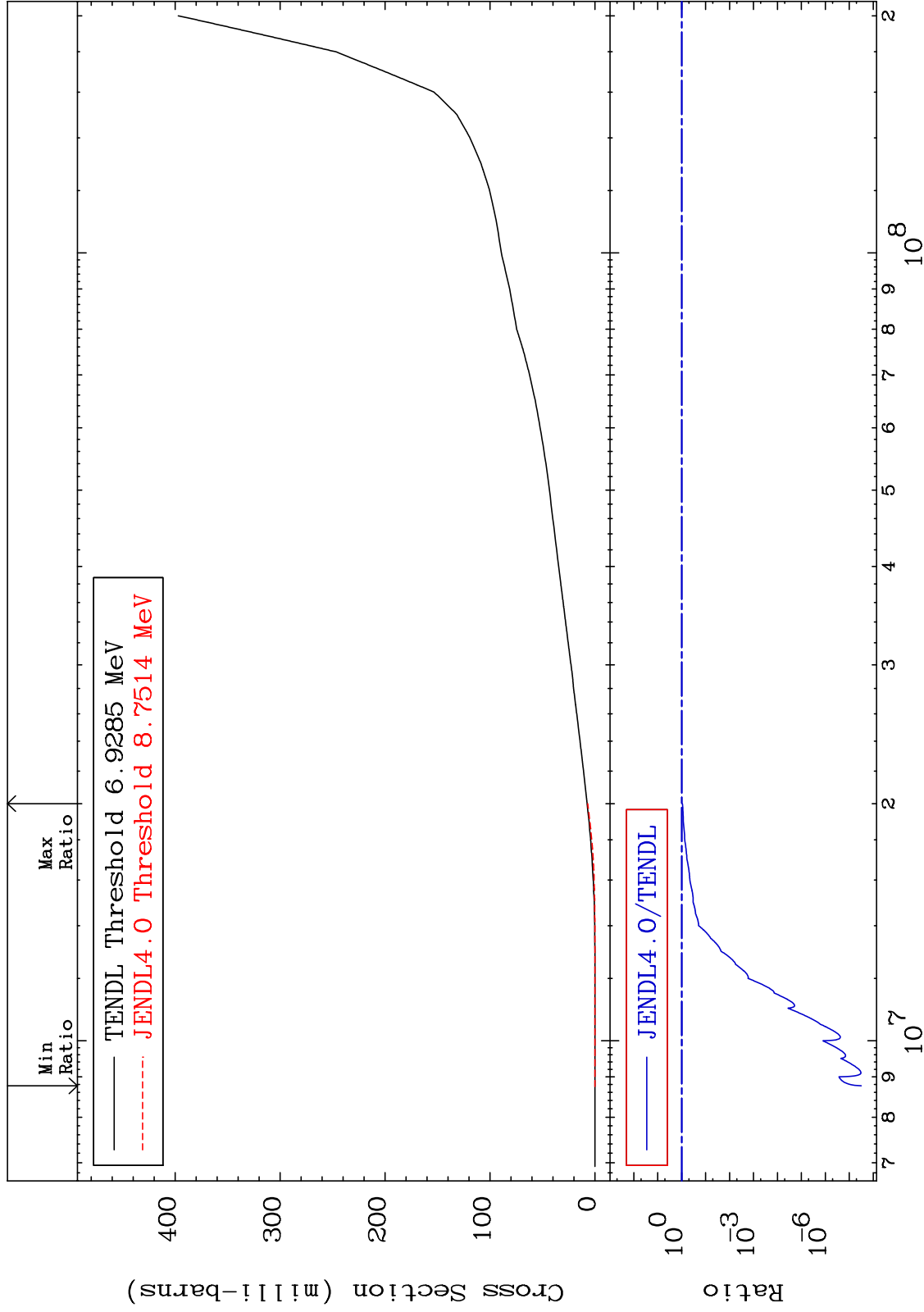
Incident Energy (eV)

52-Te-126

MAT 5243

Deuterium Production
Cross Section

52-Te-126
-100.0 To -6.766%



28

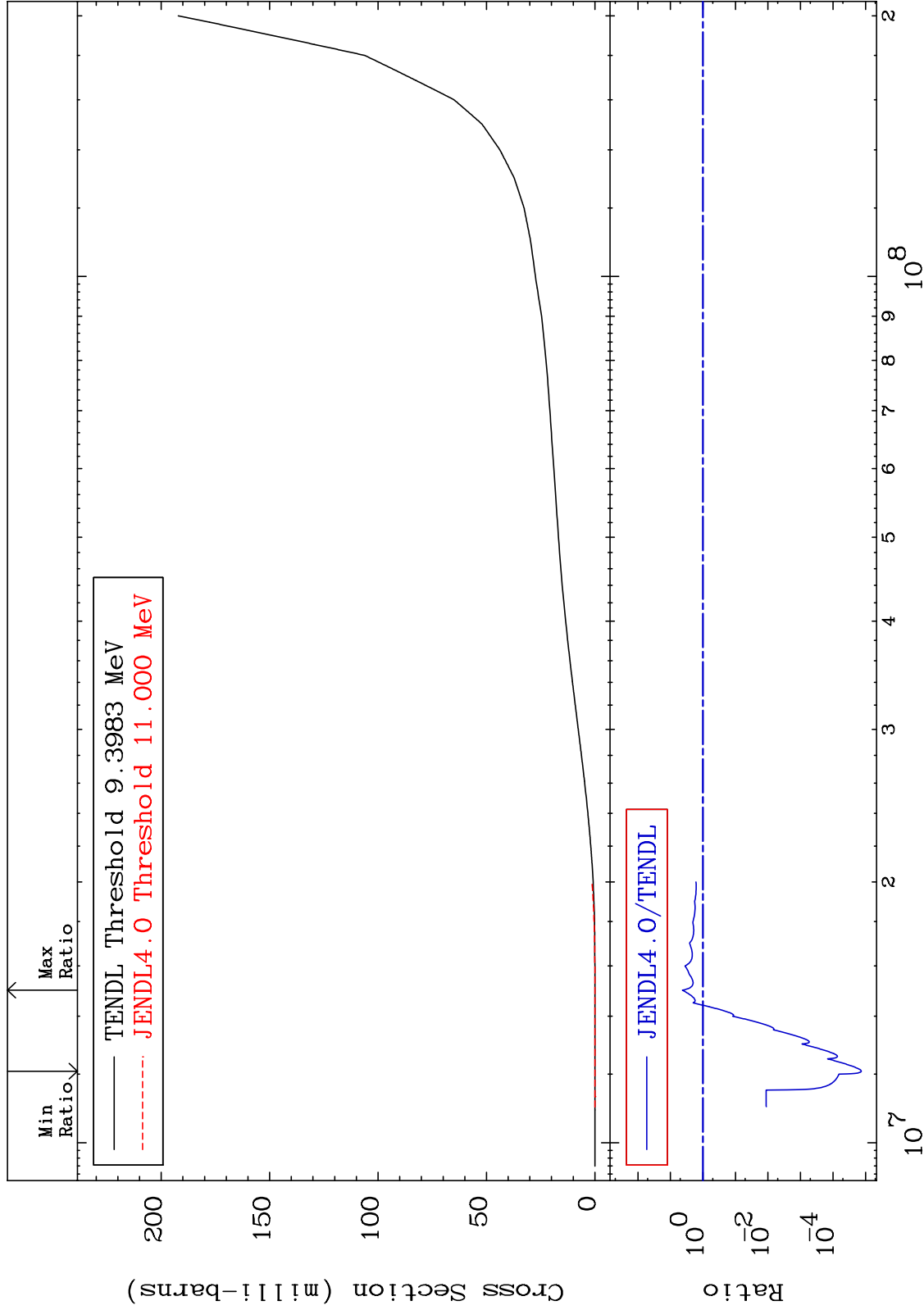
Incident Energy (eV)

52-Te-126

MAT 5243

Tritium Production
Cross Section

52-Te-126
-100.0 To 326.8 %



29

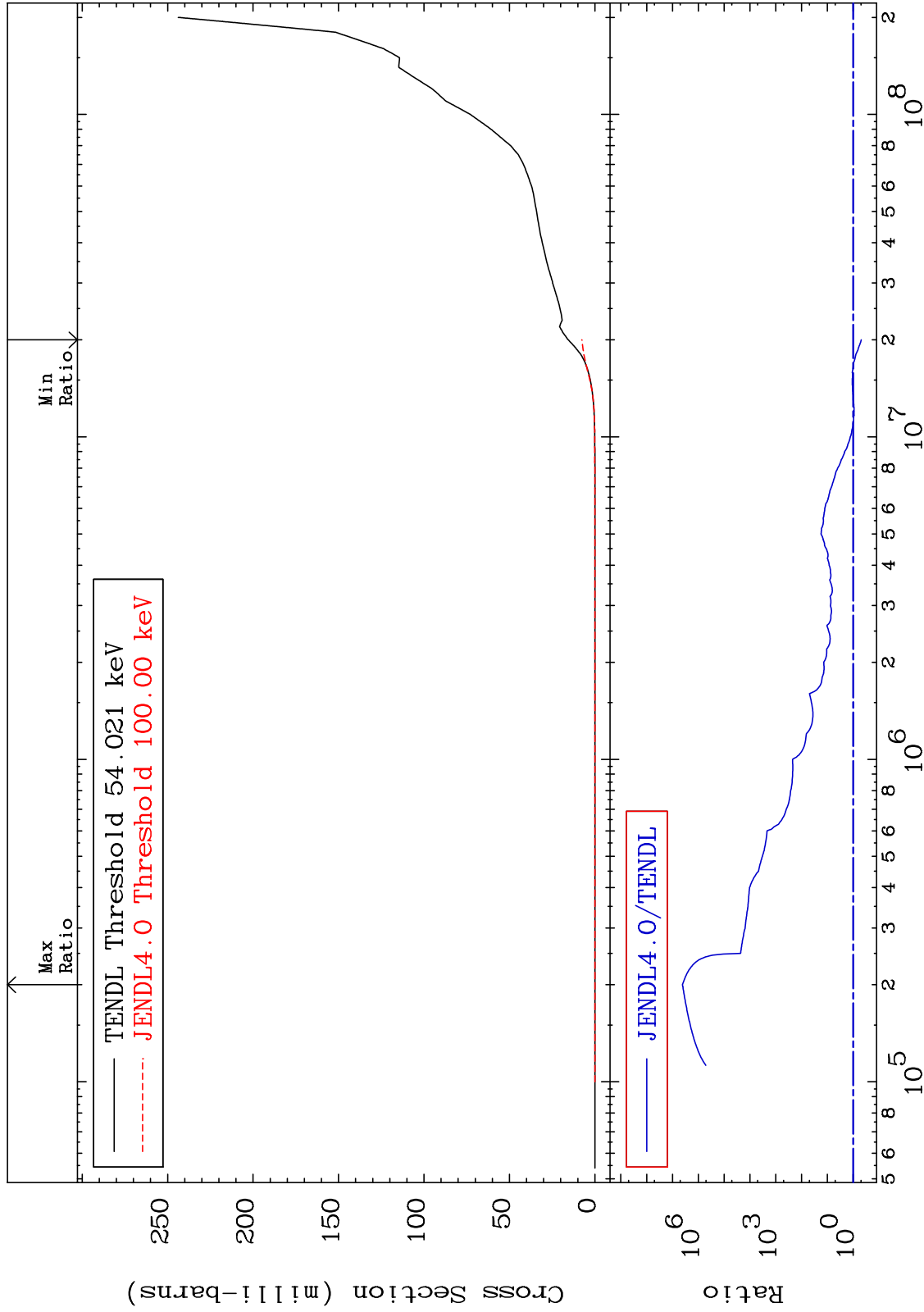
Incident Energy (eV)

52-Te-126

MAT 5243

He-4 Production
Cross Section

52-Te-126
-51.32 To 9999. %

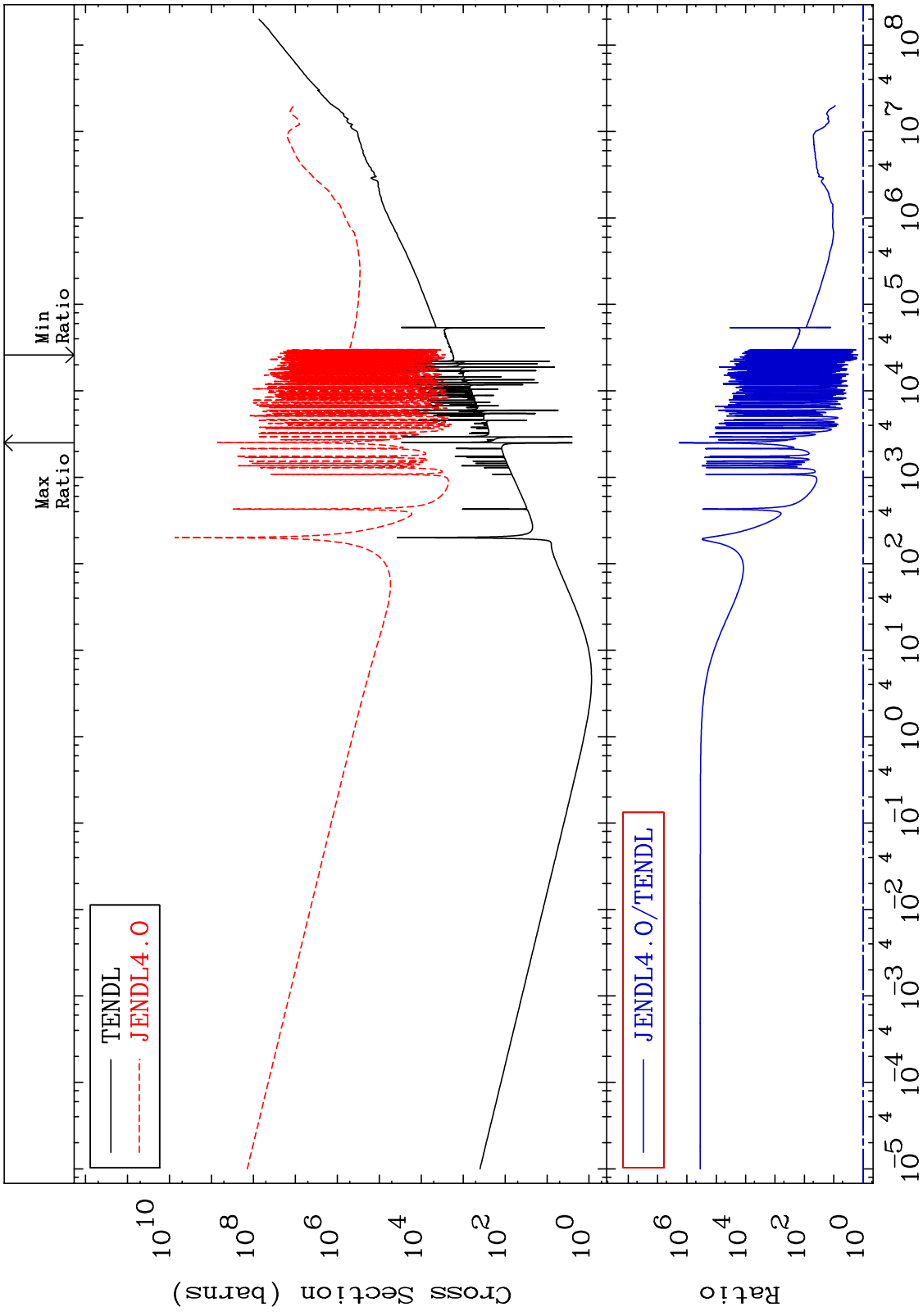


30

Incident Energy (eV)

52-Te-126

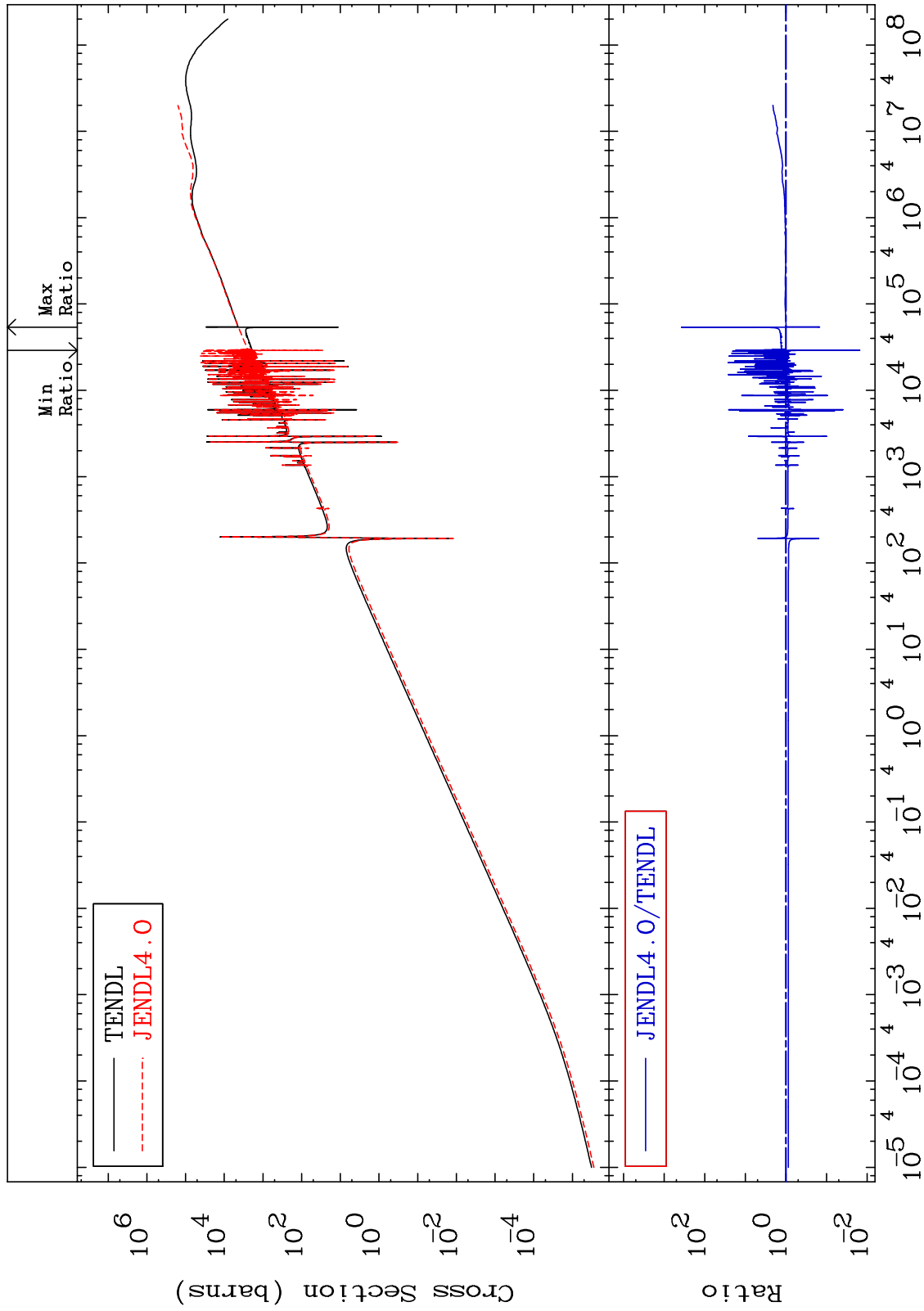
MAT 5243 Kerma total (eV-barns) 52-Te-126 51.38 To 9999. %
 Cross Section



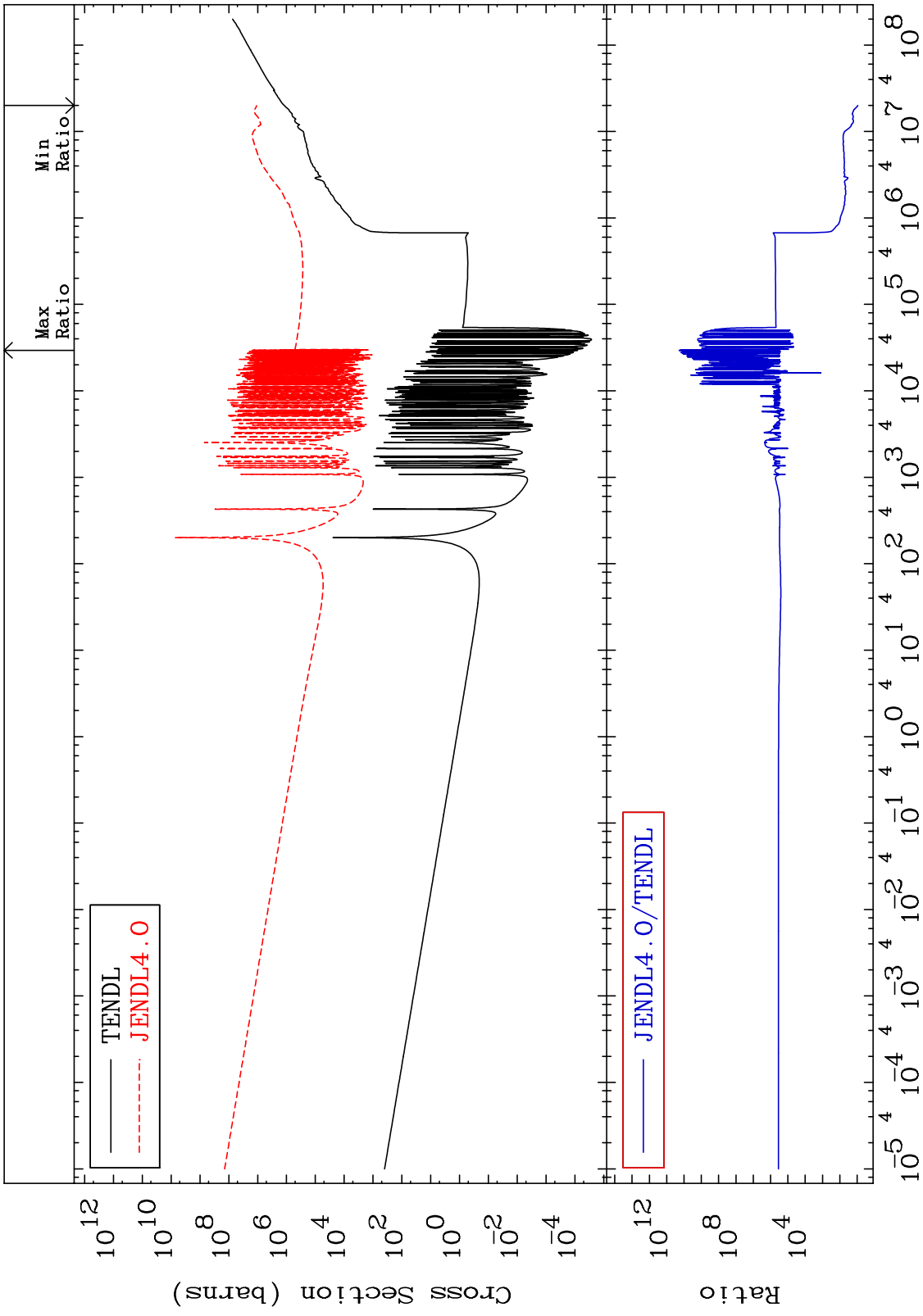
MAT 5243

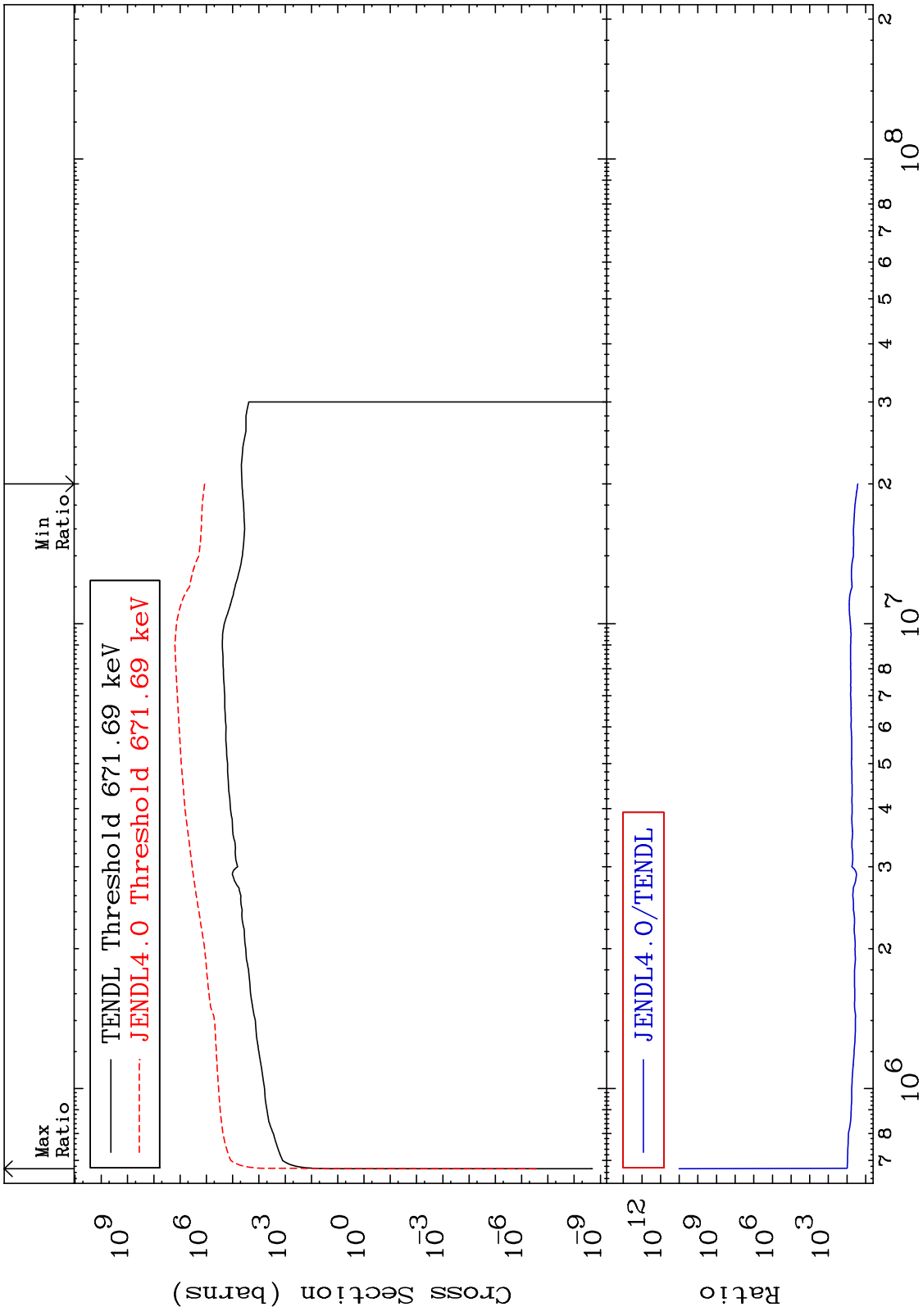
Kerma elastic
Cross Section

52-Te-126
-98.49 To 9999. %



MAT 5243 Kerma non-elastic (all but mt2) 52-Te-126
 Cross Section 810.4 To 9999. %

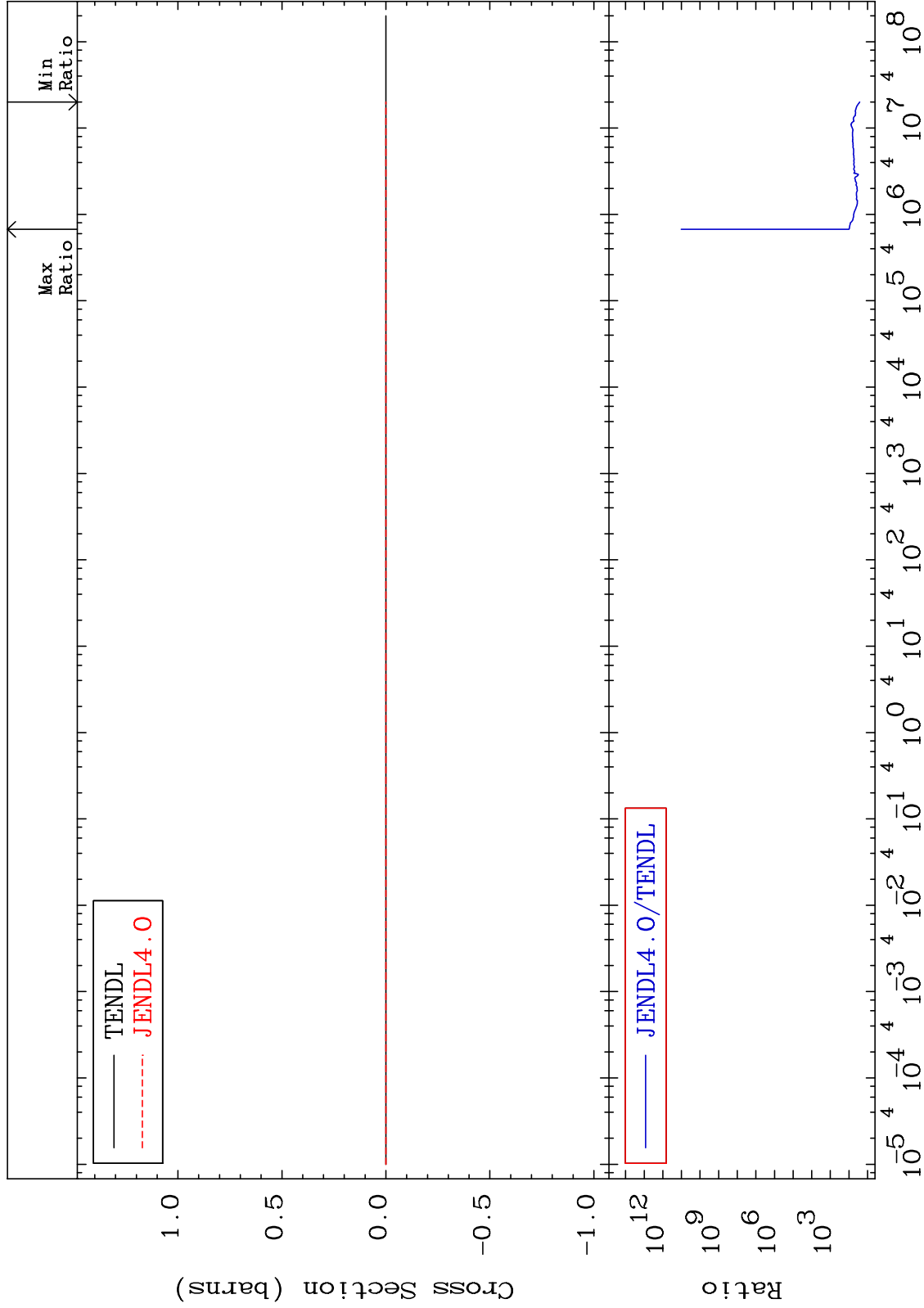




MAT 5243

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

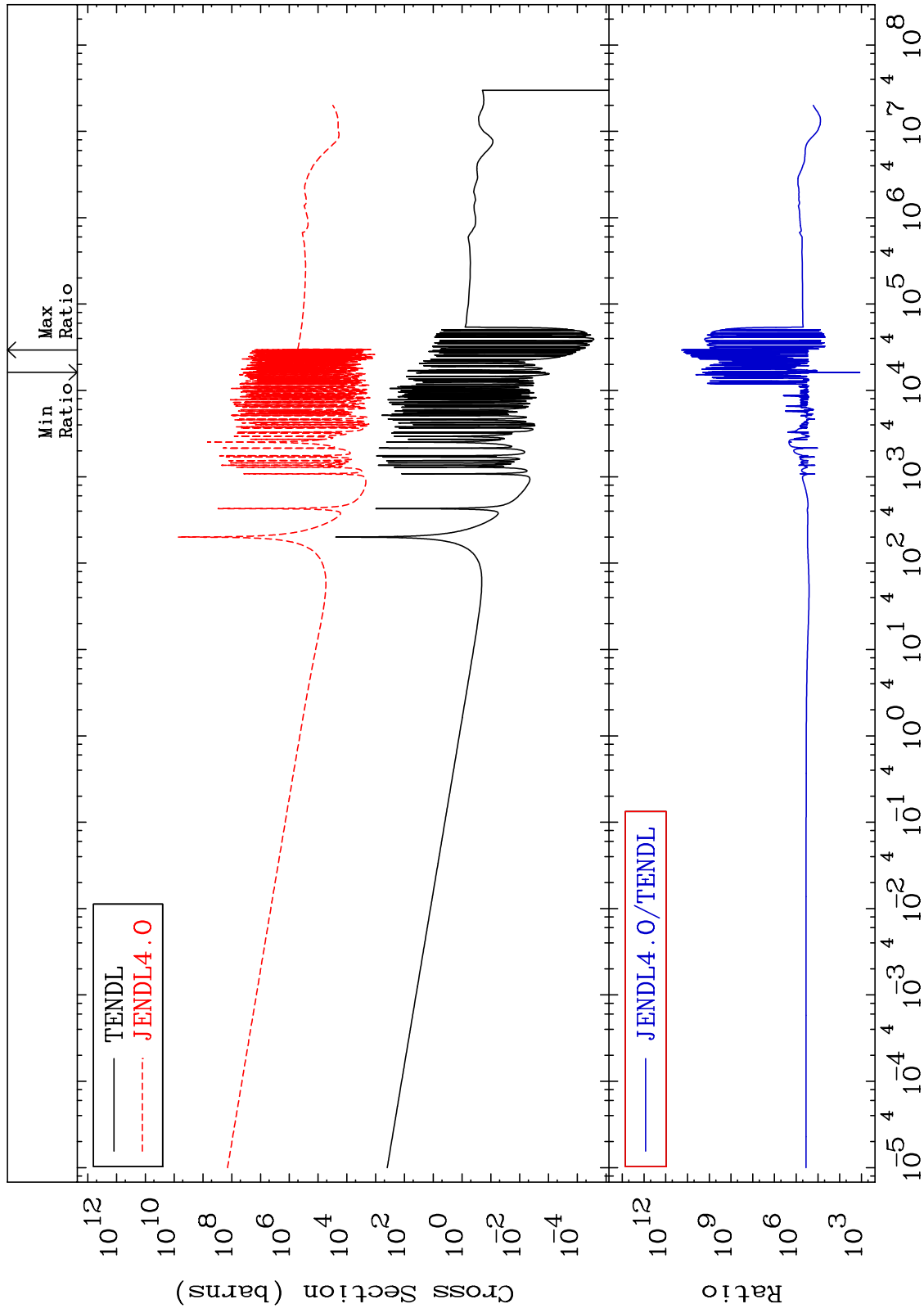
52-Te-126
2531. To 9999. %



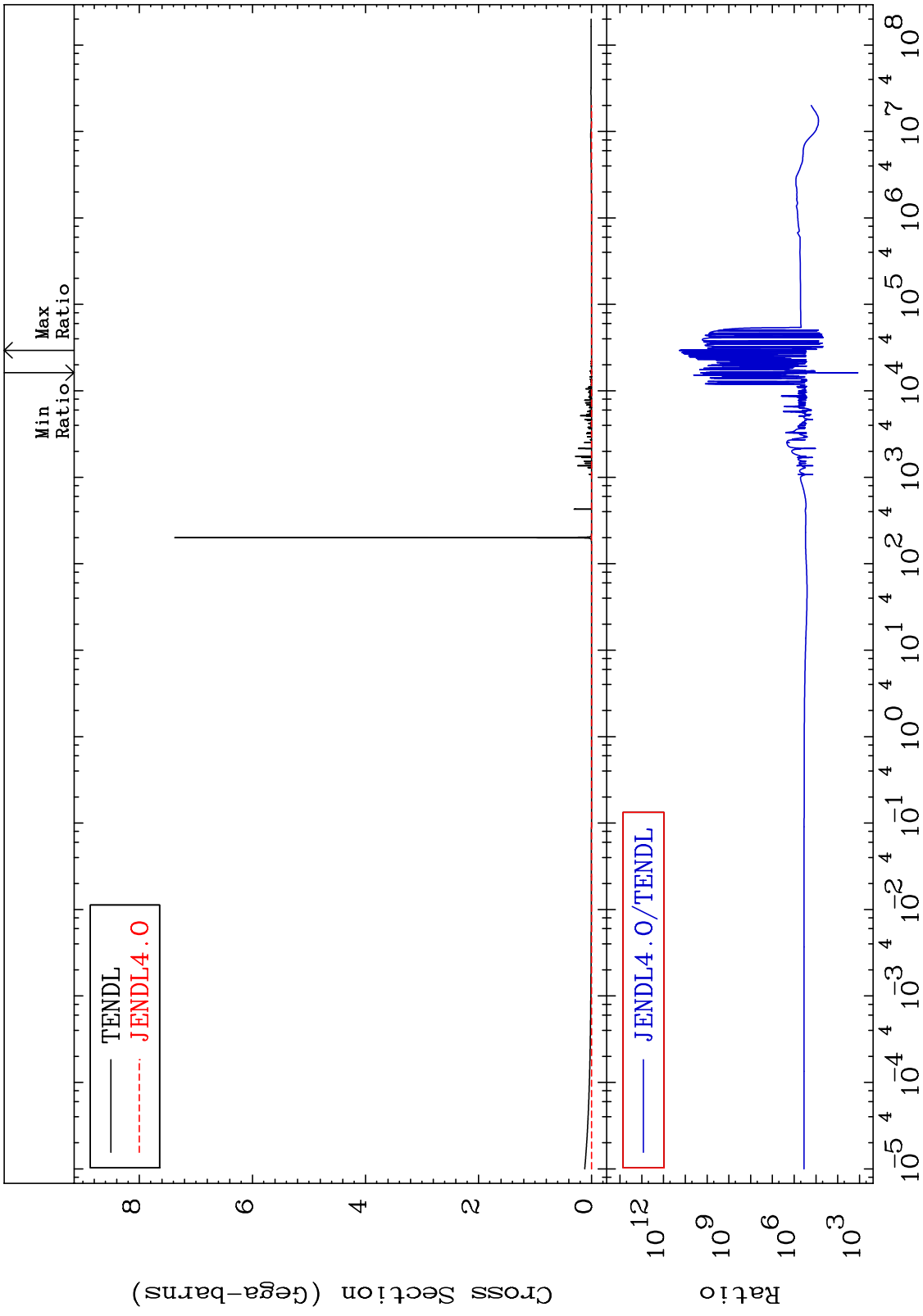
MAT 5243

Kerma capture (mt102)
Cross Section

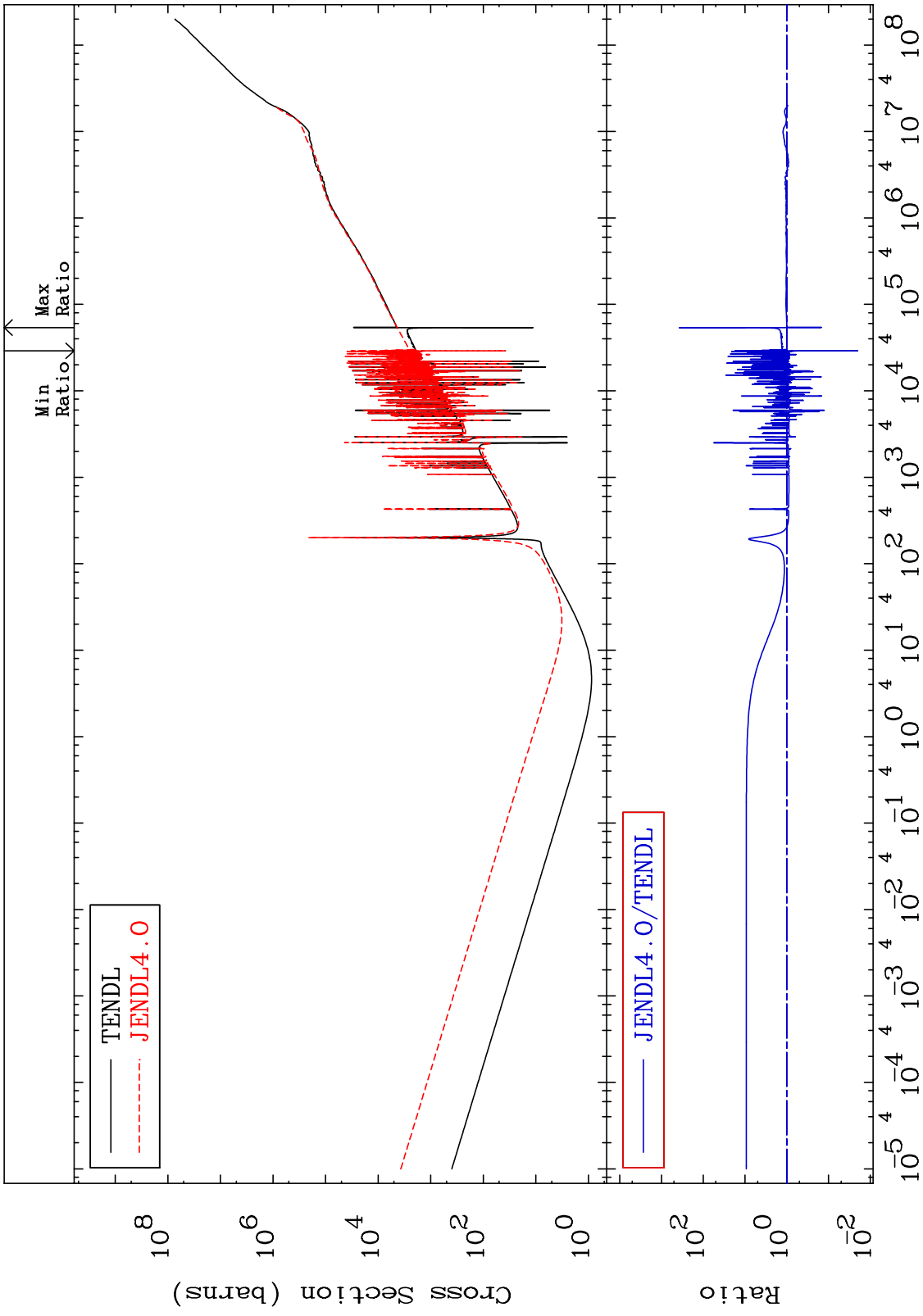
52-Te-126
9999. To 9999. %



MAT 5243 Total photon (eV-barns) 52-Te-126
Cross Section 9999. To 9999. %



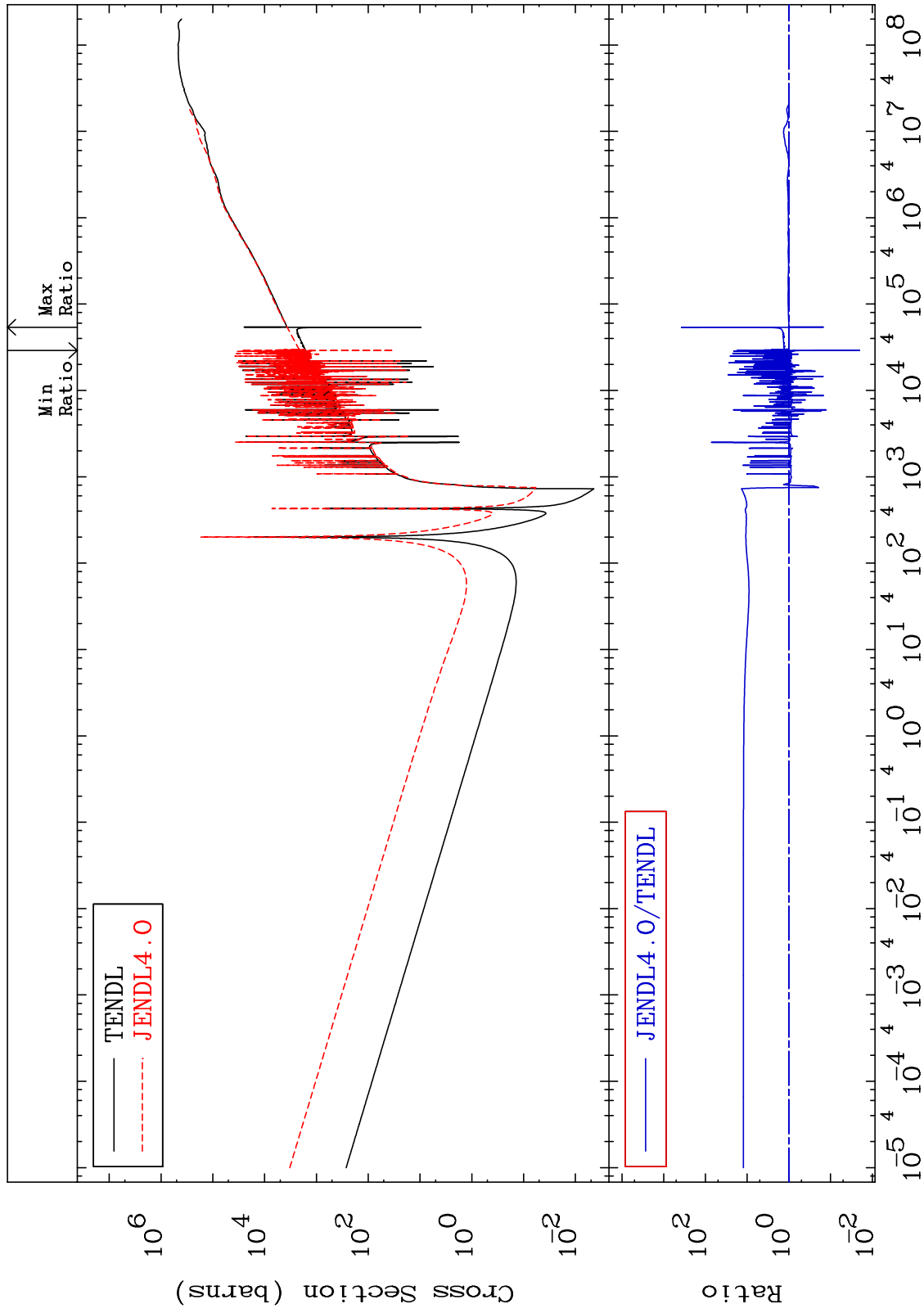
MAT 5243 Total kinematic kerma (high limit) 52-Te-126
 Cross Section -98.01 To 9999. %



MAT 5243

Dpa total (eV-barns)
Cross Section

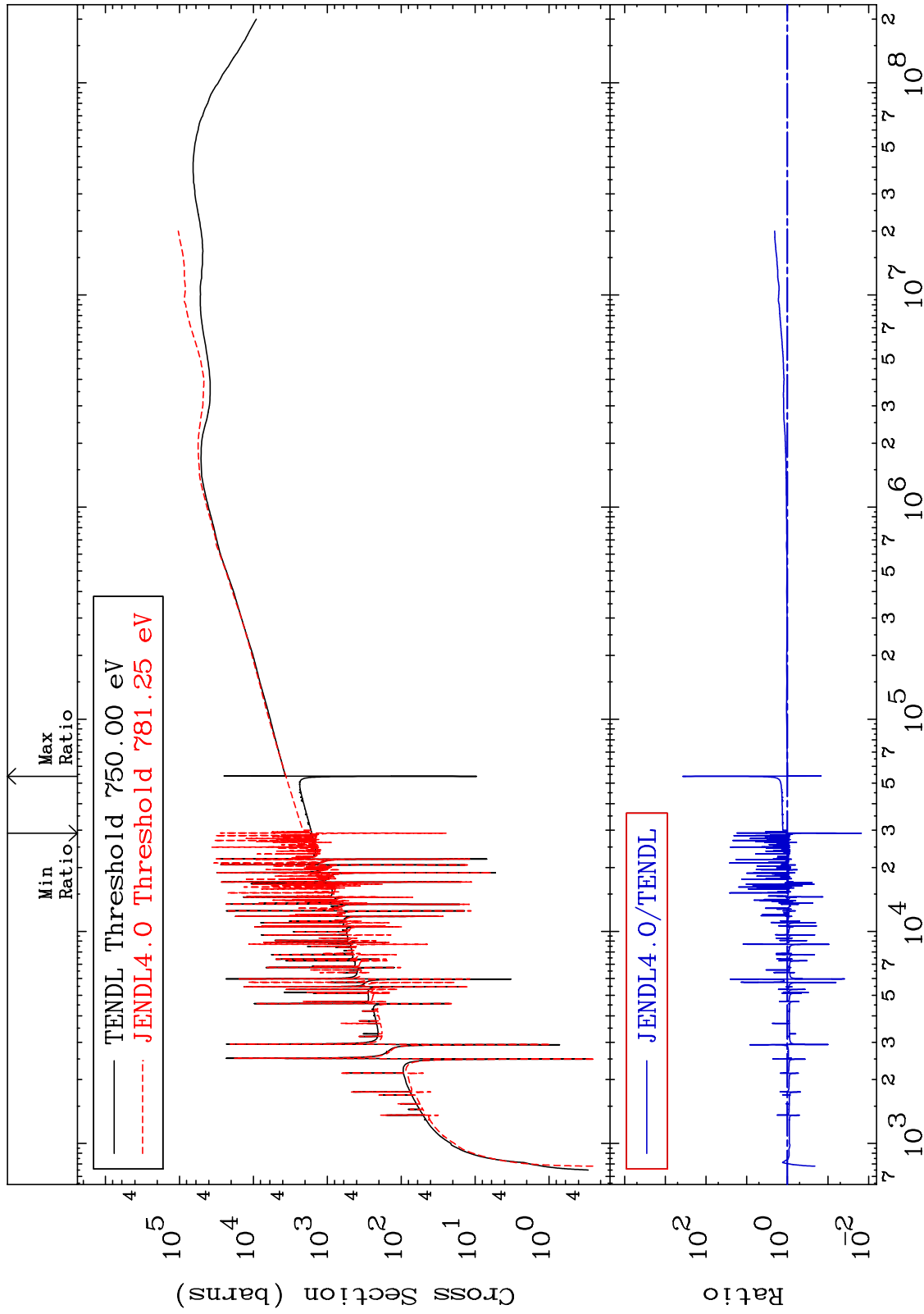
52-Te-126
-98.00 To 9999. %



MAT 5243

Dpa elastic (mt2)
Cross Section

52-Te-126
-98.49 To 9999. %

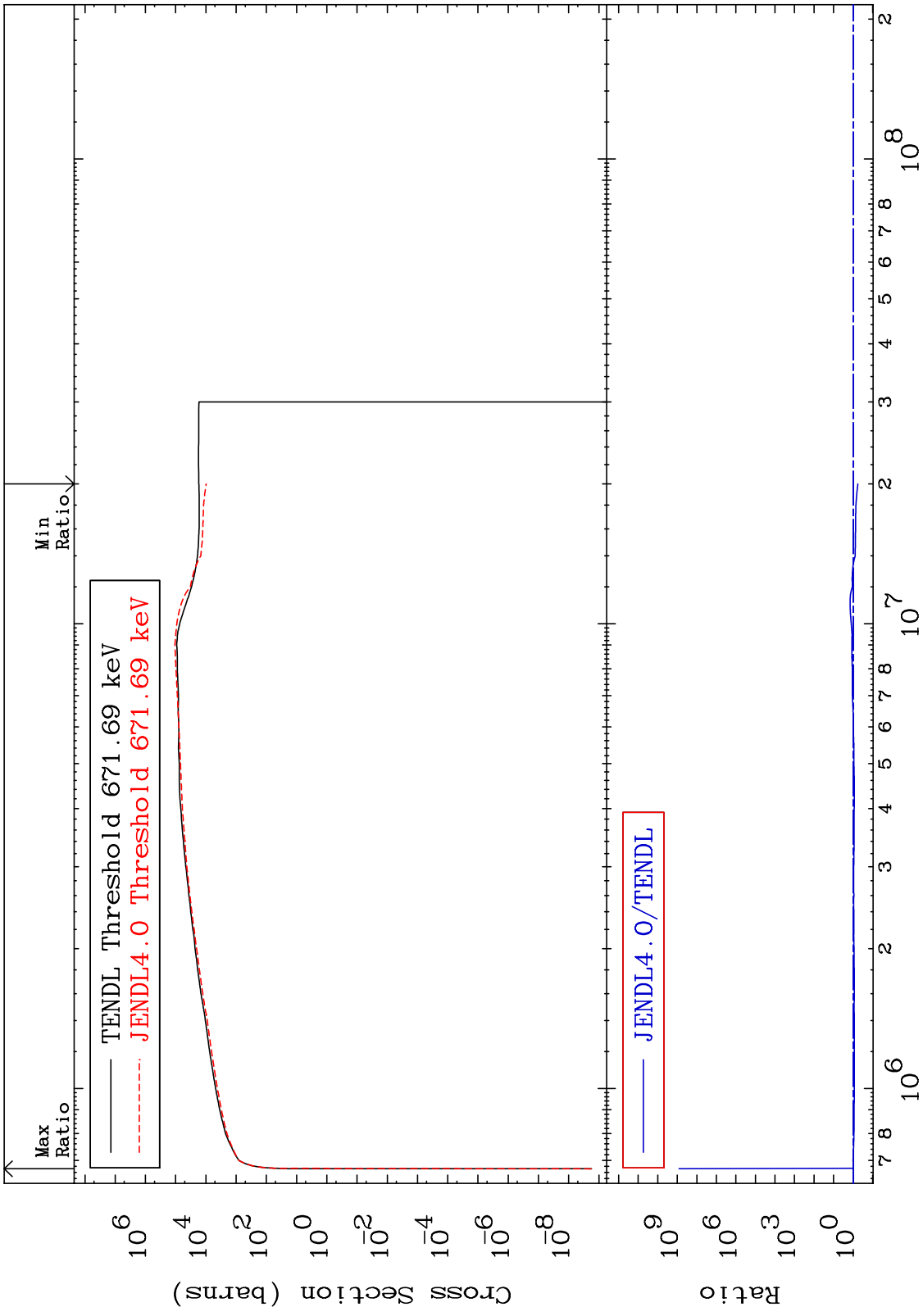


40

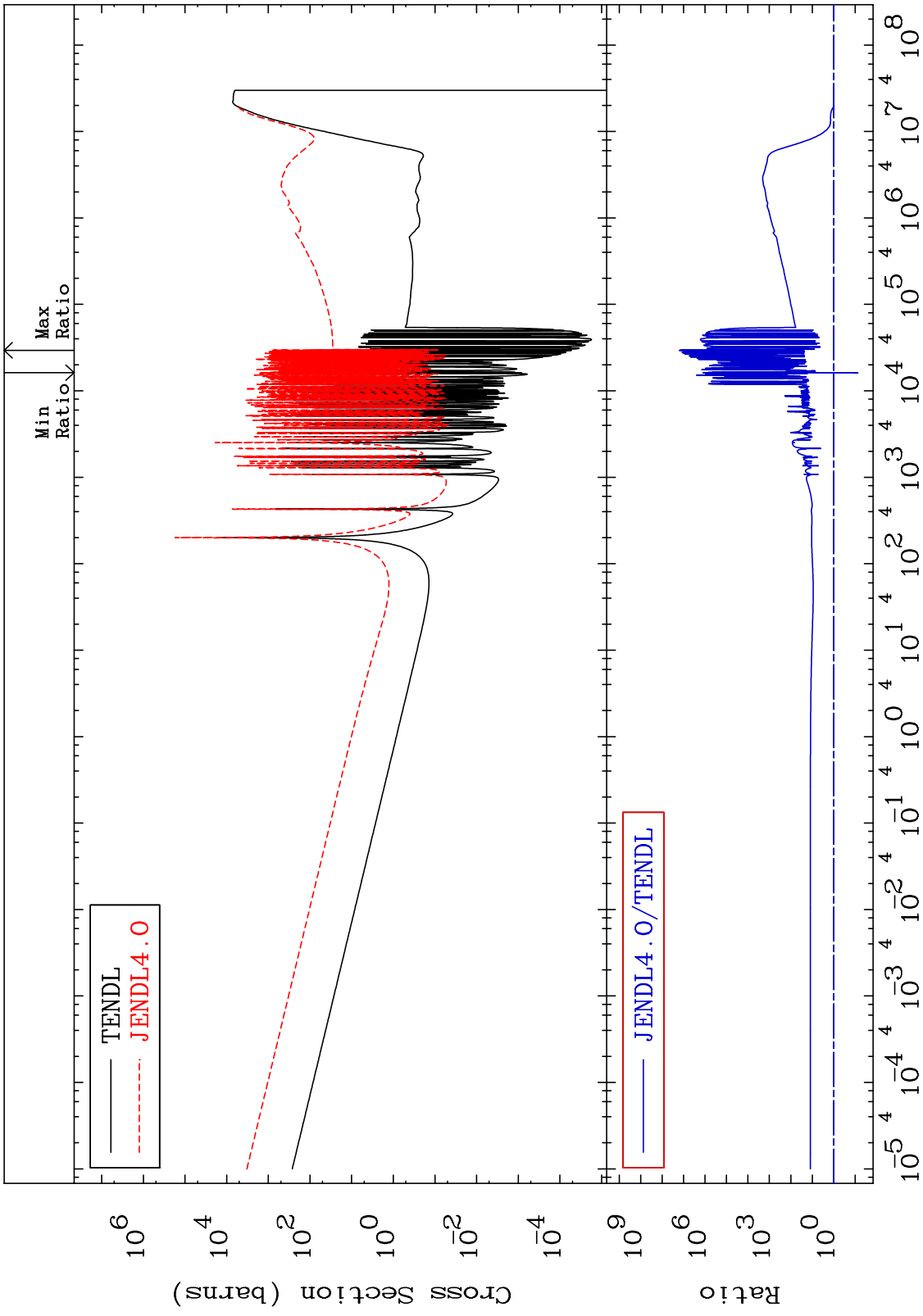
Incident Energy (eV)

52-Te-126

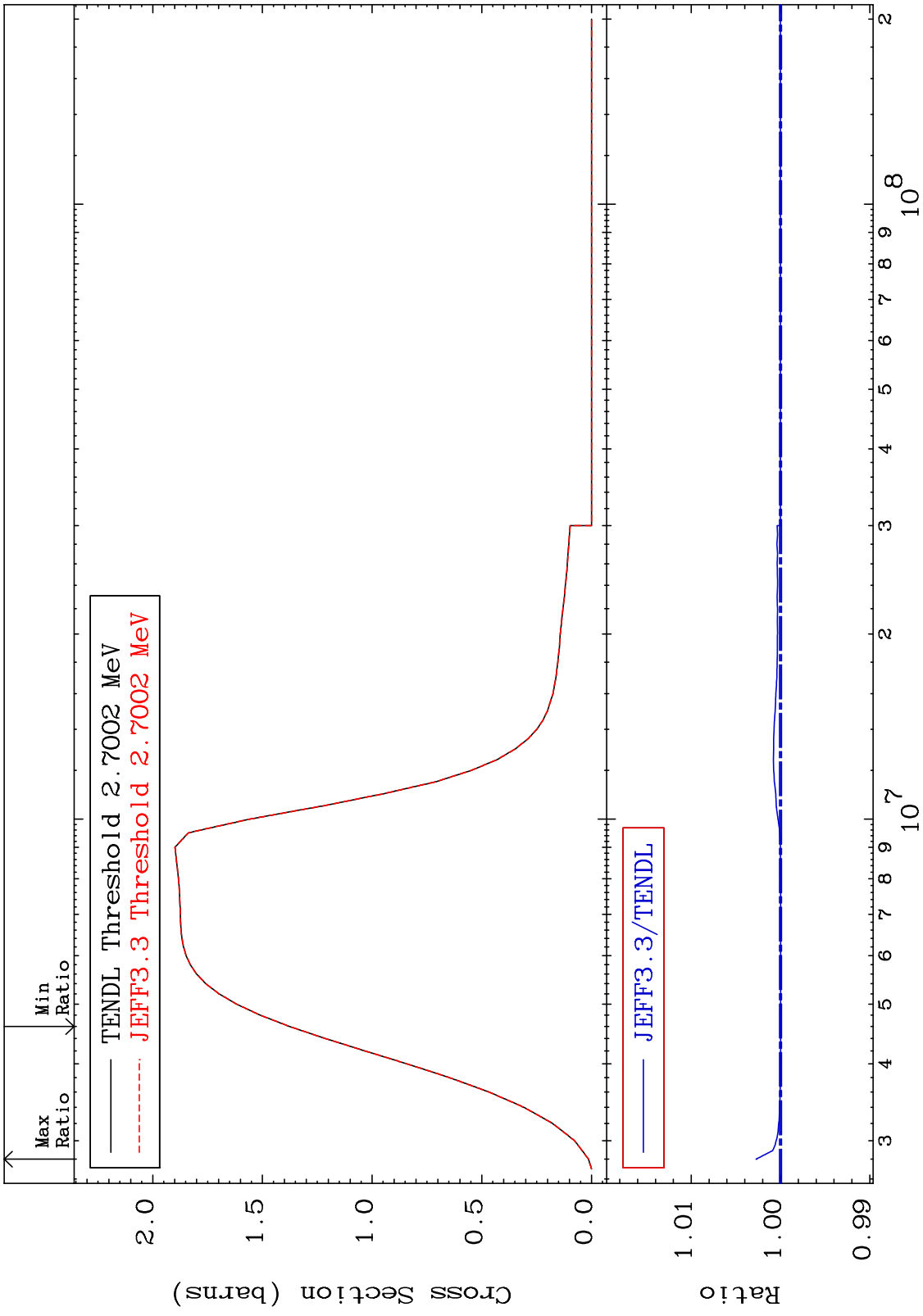
MAT 5243 Dpa inelastic (mt51-91) 52-Te-126
 Cross Section -42.72 To 9999. %



MAT 5243 Dpa disappearance (mt102 -120) 52-Te-126
 Cross Section -92.51 To 9999. %



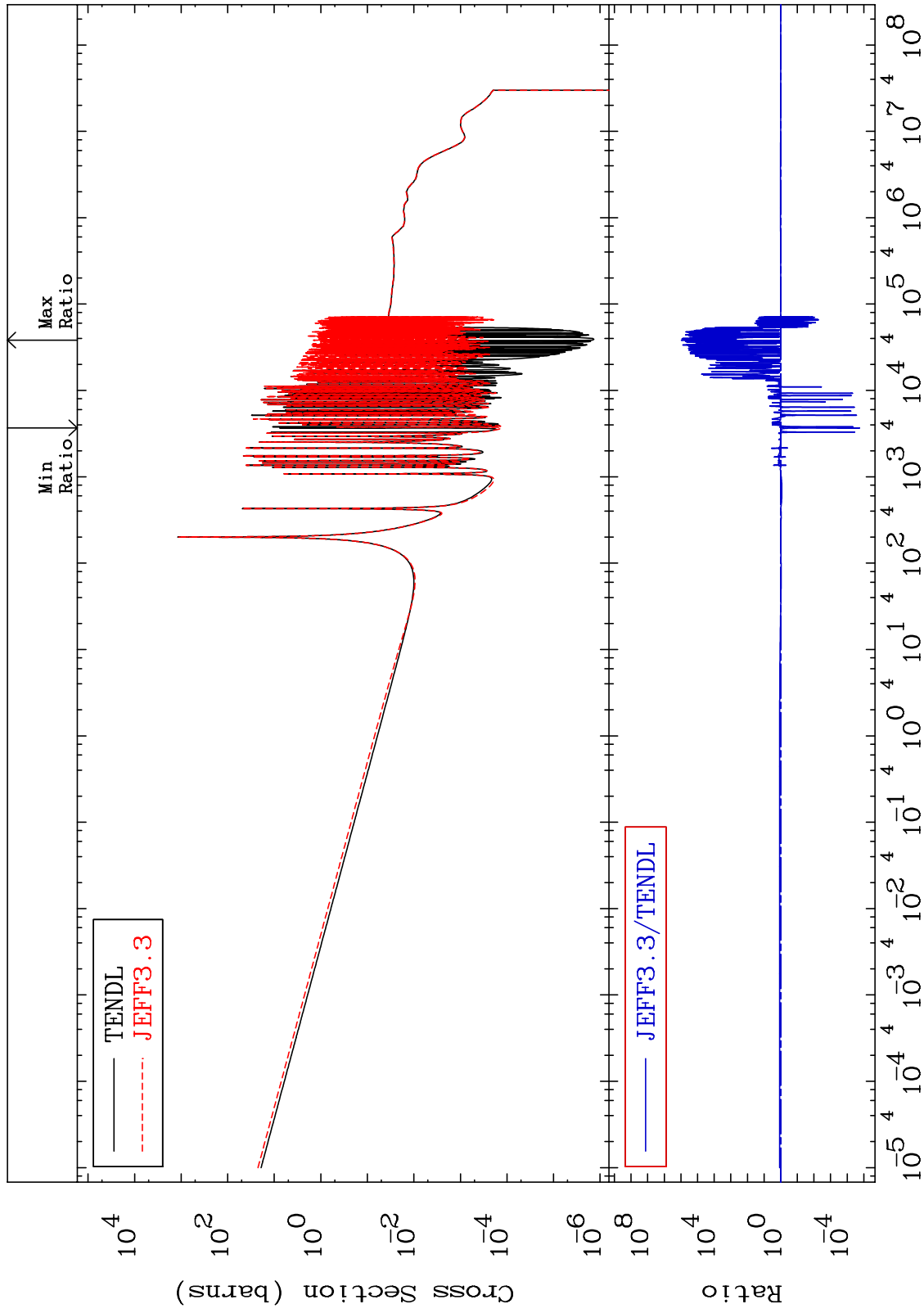
MAT 5243 (n, n') Continuum Cross Section 52-Te-126 -0.003 To 0.273 %



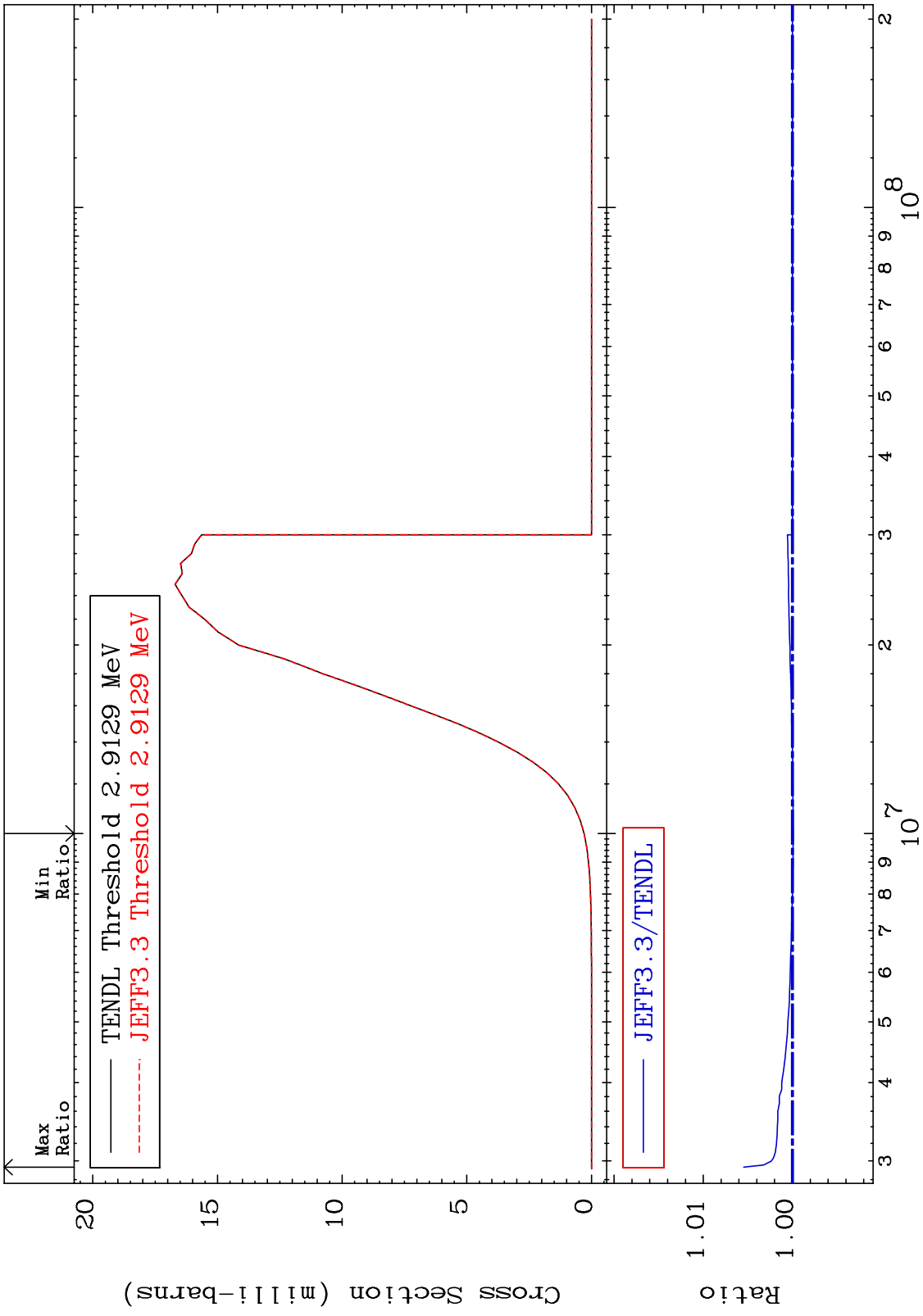
MAT 5243

(n, γ)
Cross Section

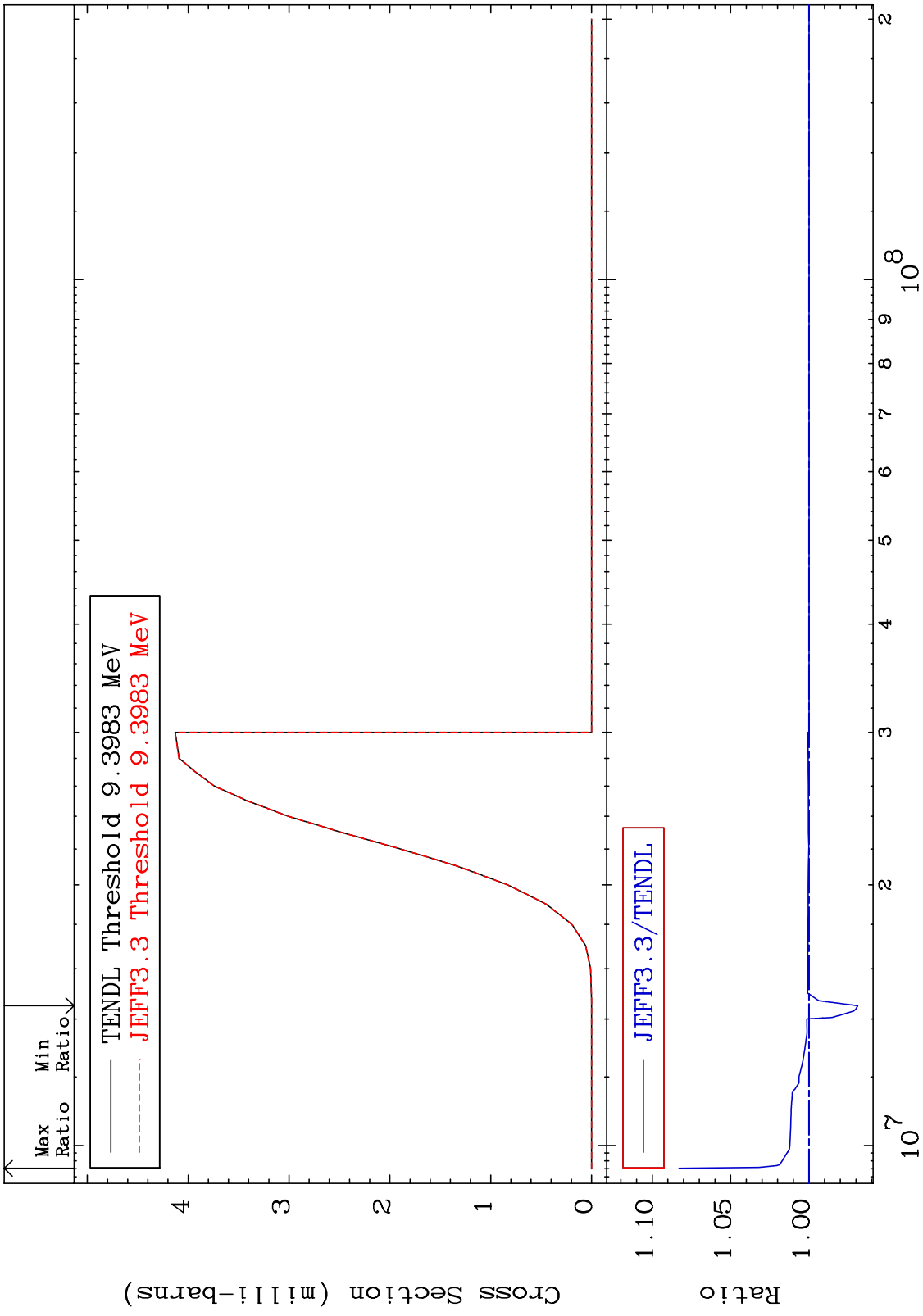
52-Te-126
-100.0 To 9999. %



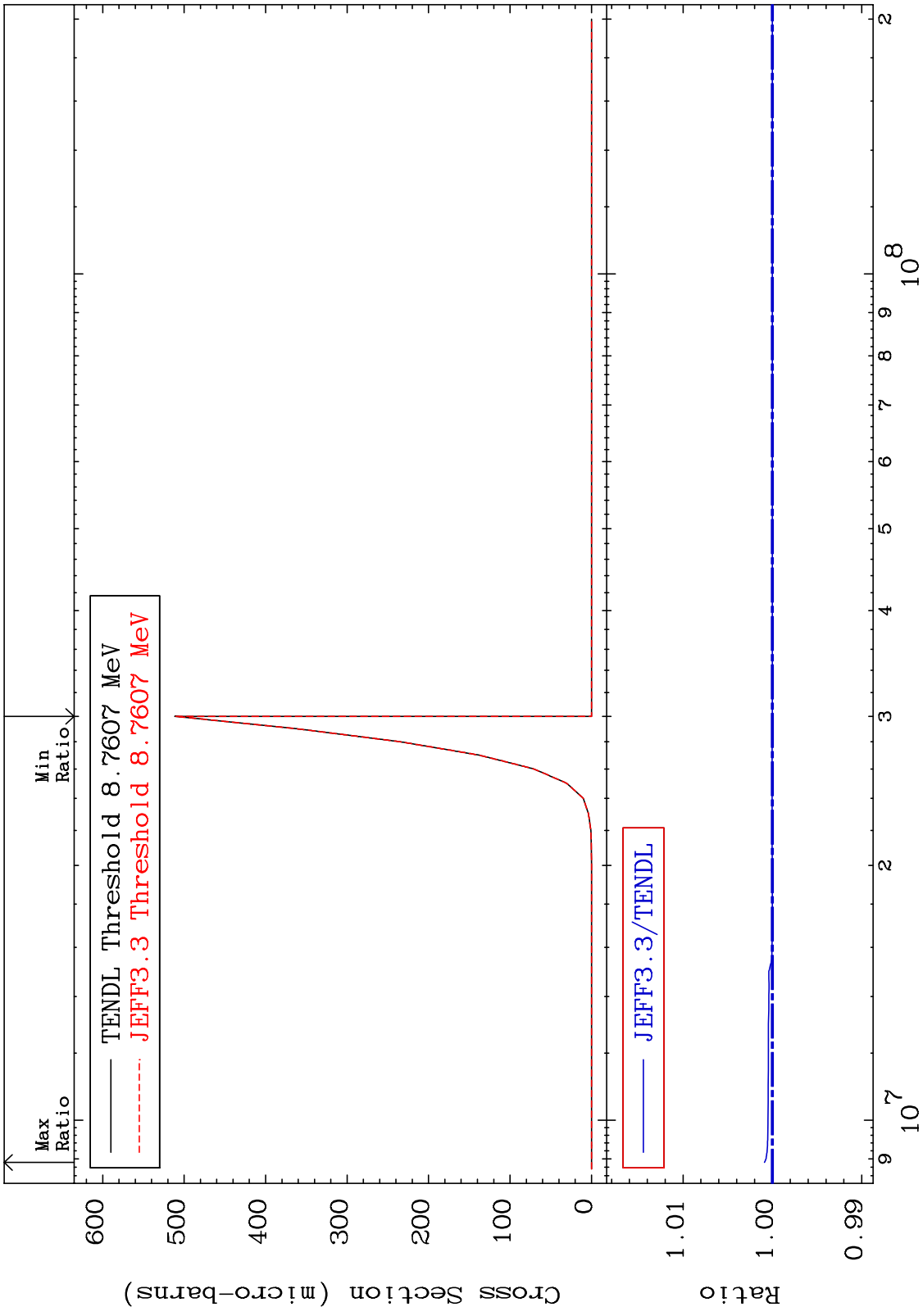
MAT 5243 (n,p) Cross Section 52-Te-126 -0.009 To 0.547 %



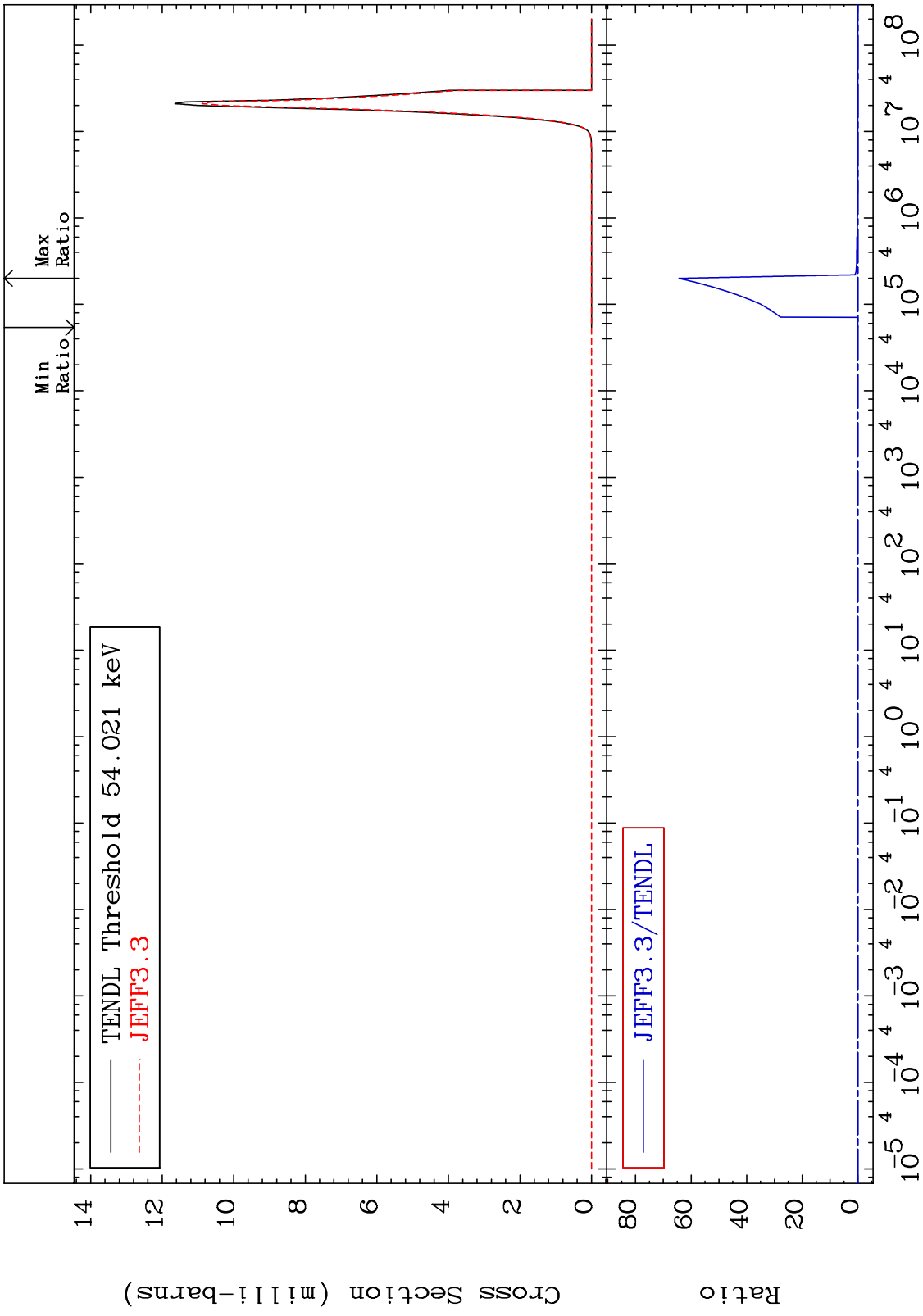
MAT 5243 (n,t) Cross Section 52-Te-126 -3.118 To 8.291 %



MAT 5243 (n, He-3) Cross Section 52-Te-126 To 0.088 %



MAT 5243 (n, α) Cross Section 52-Te-126 -100.0 To 9999. %



MAT 5243

(n,2α)

52-Te-126

-44.34 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 2.8898 MeV
JEFF3.3 Threshold 2.8898 MeV

Cross Section (10^9 barns)

2.0
1.5
1.0
0.5
0.0

JEFF3.3/TENDL

Ratio

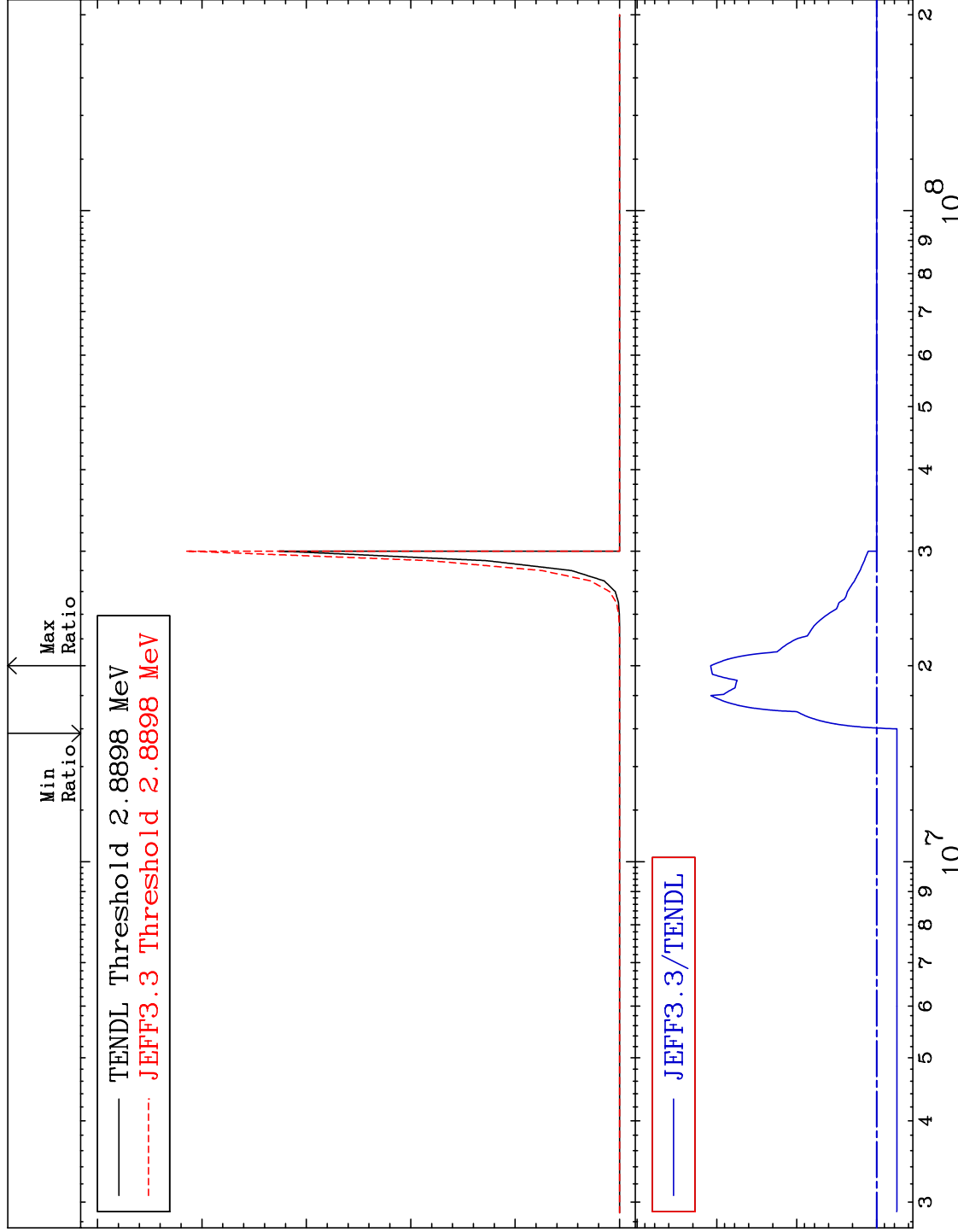
10^2
 10^1
 10^0

10^8

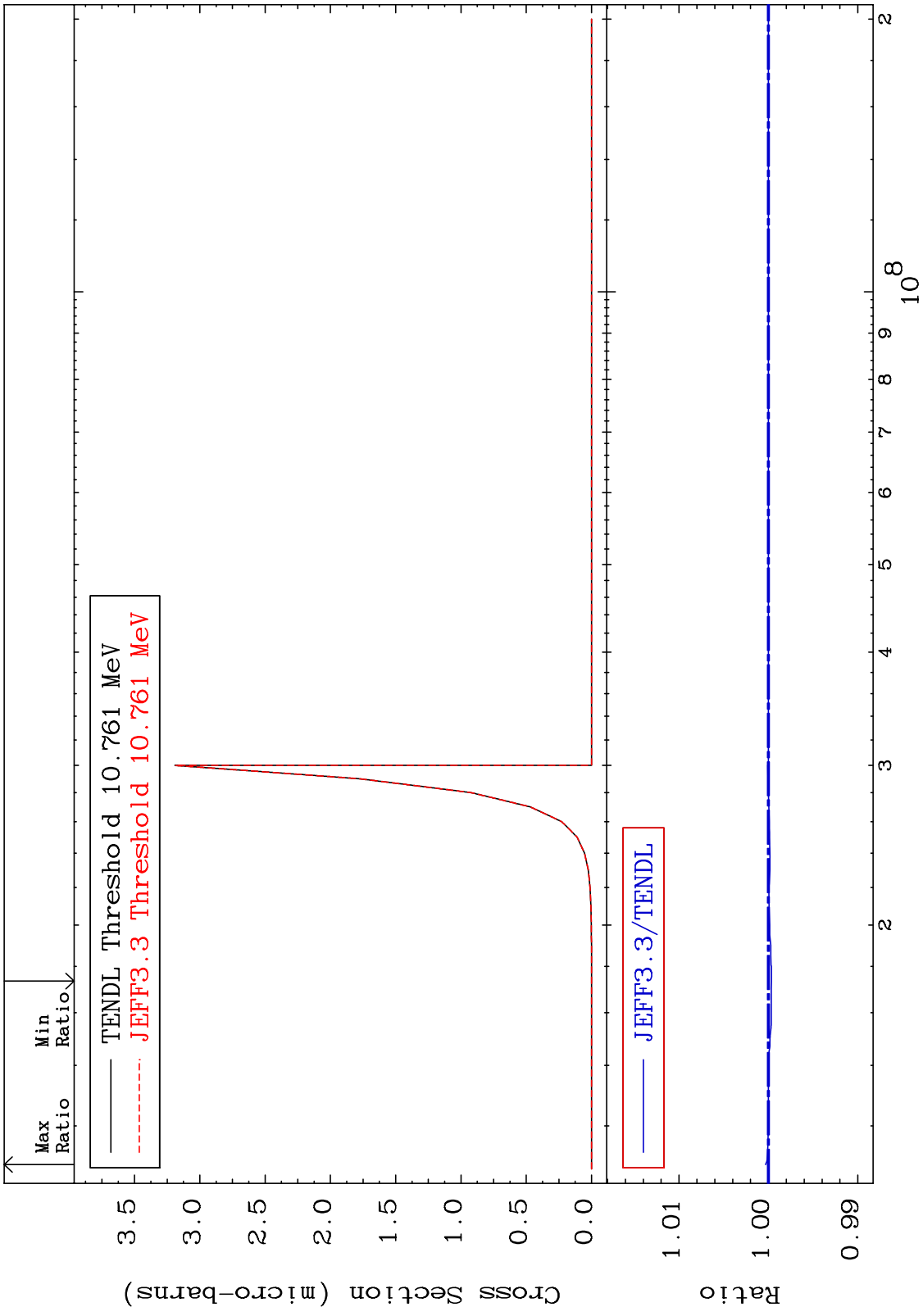
49

Incident Energy (eV)

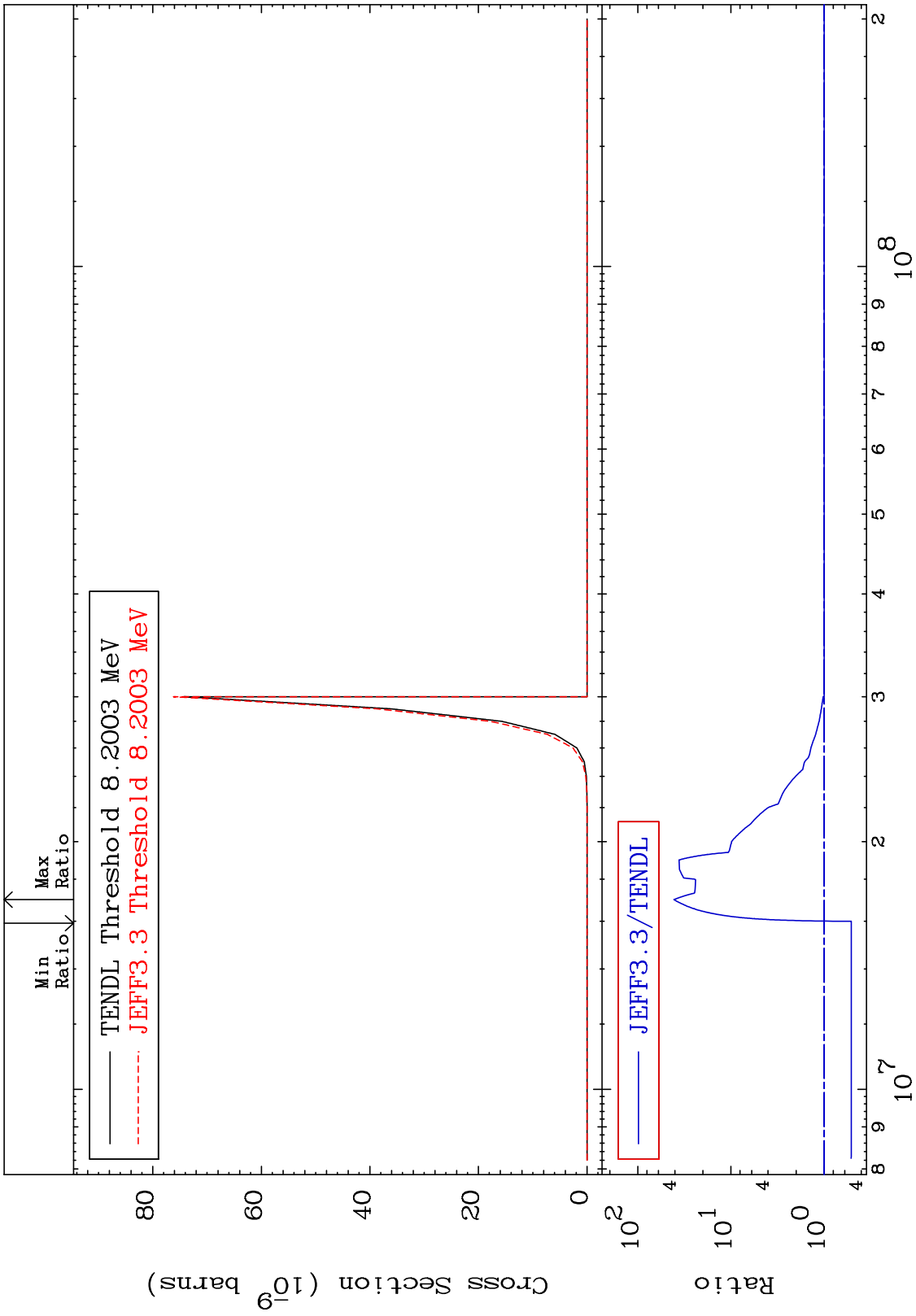
52-Te-126



MAT 5243 (n,2p) Cross Section 52-Te-126 -0.033 To 0.033 %



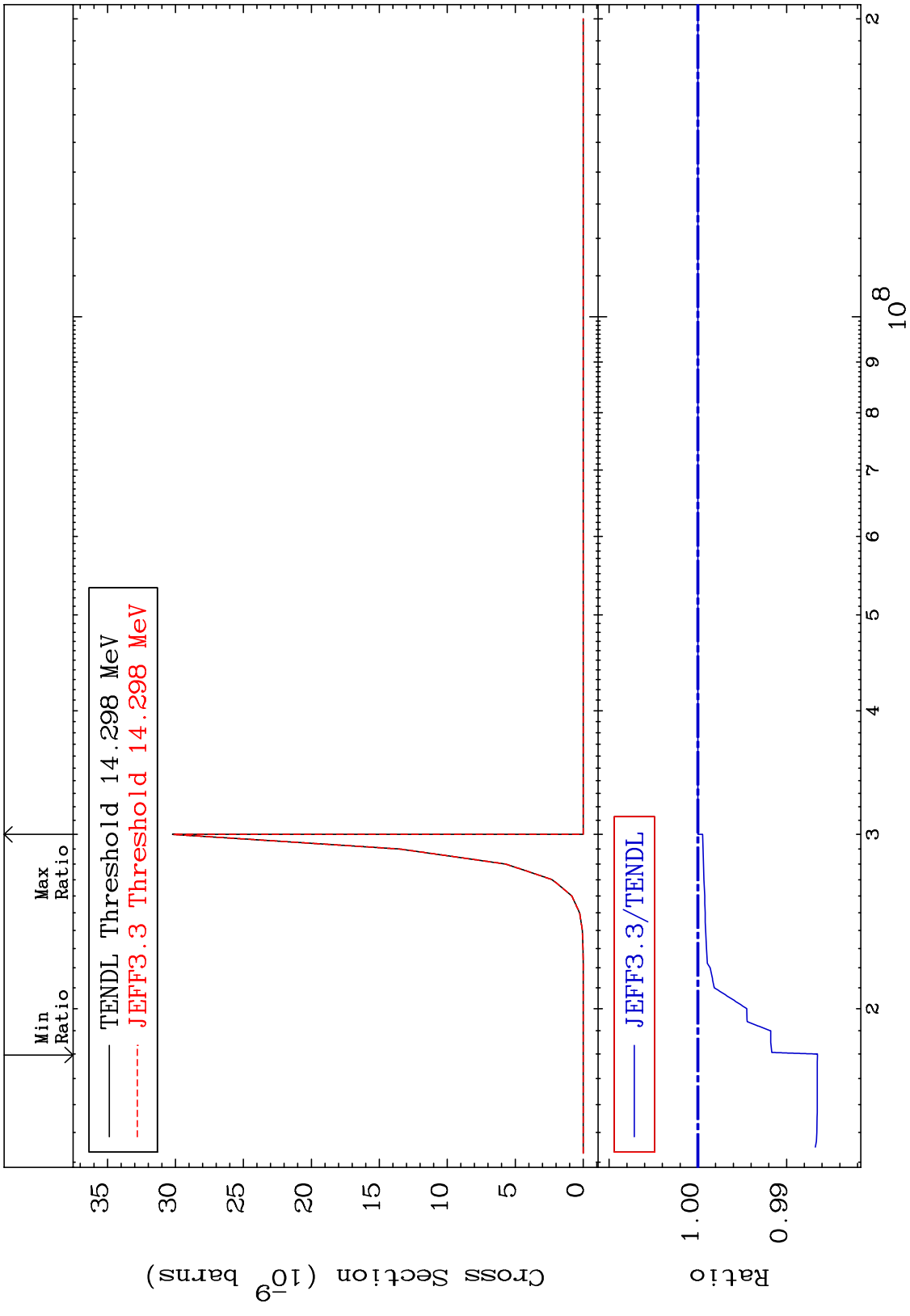
MAT 5243 (n,p) α 52-Te-126
 Cross Section -48.88 To 3998. %



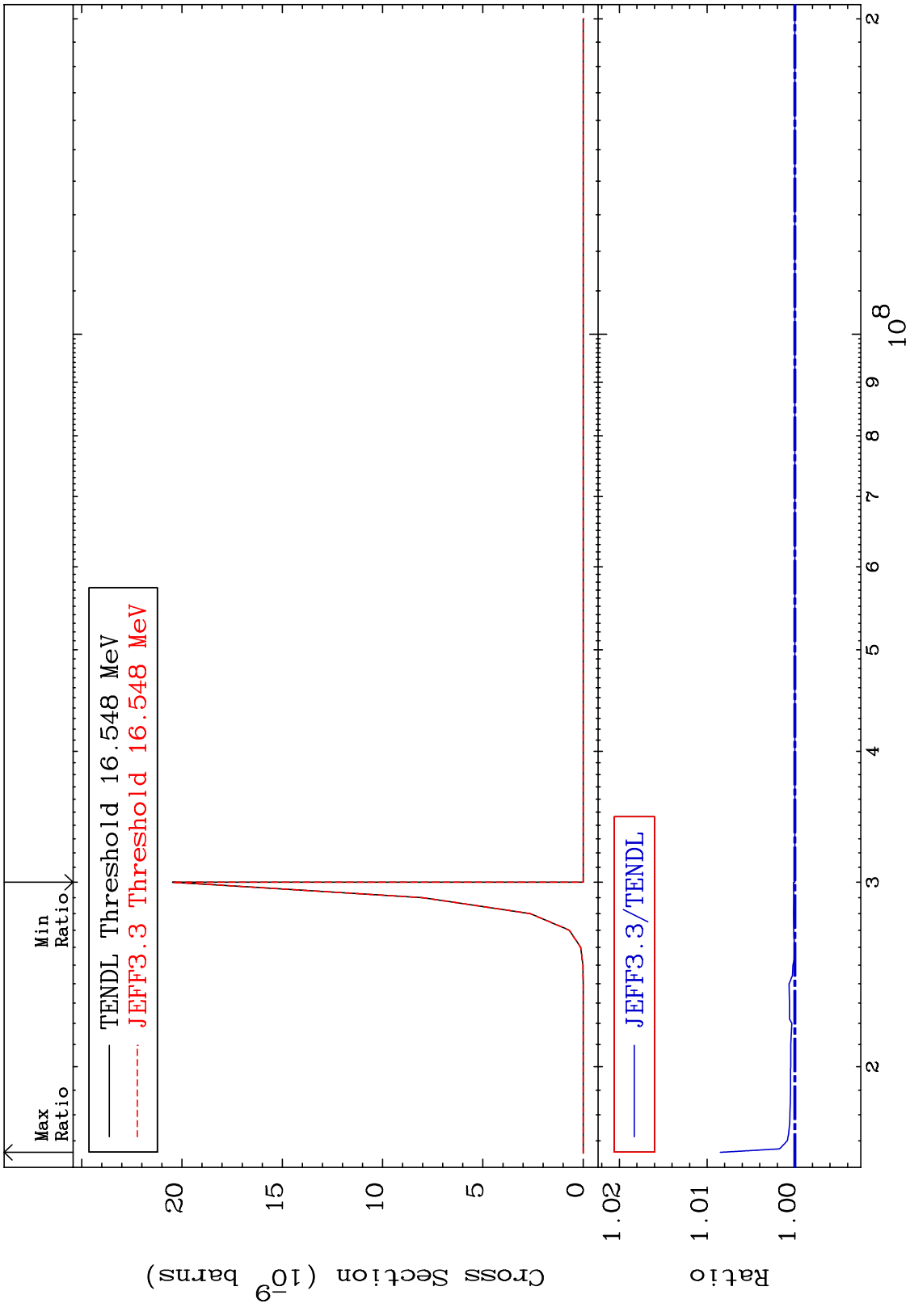
52-Te-126

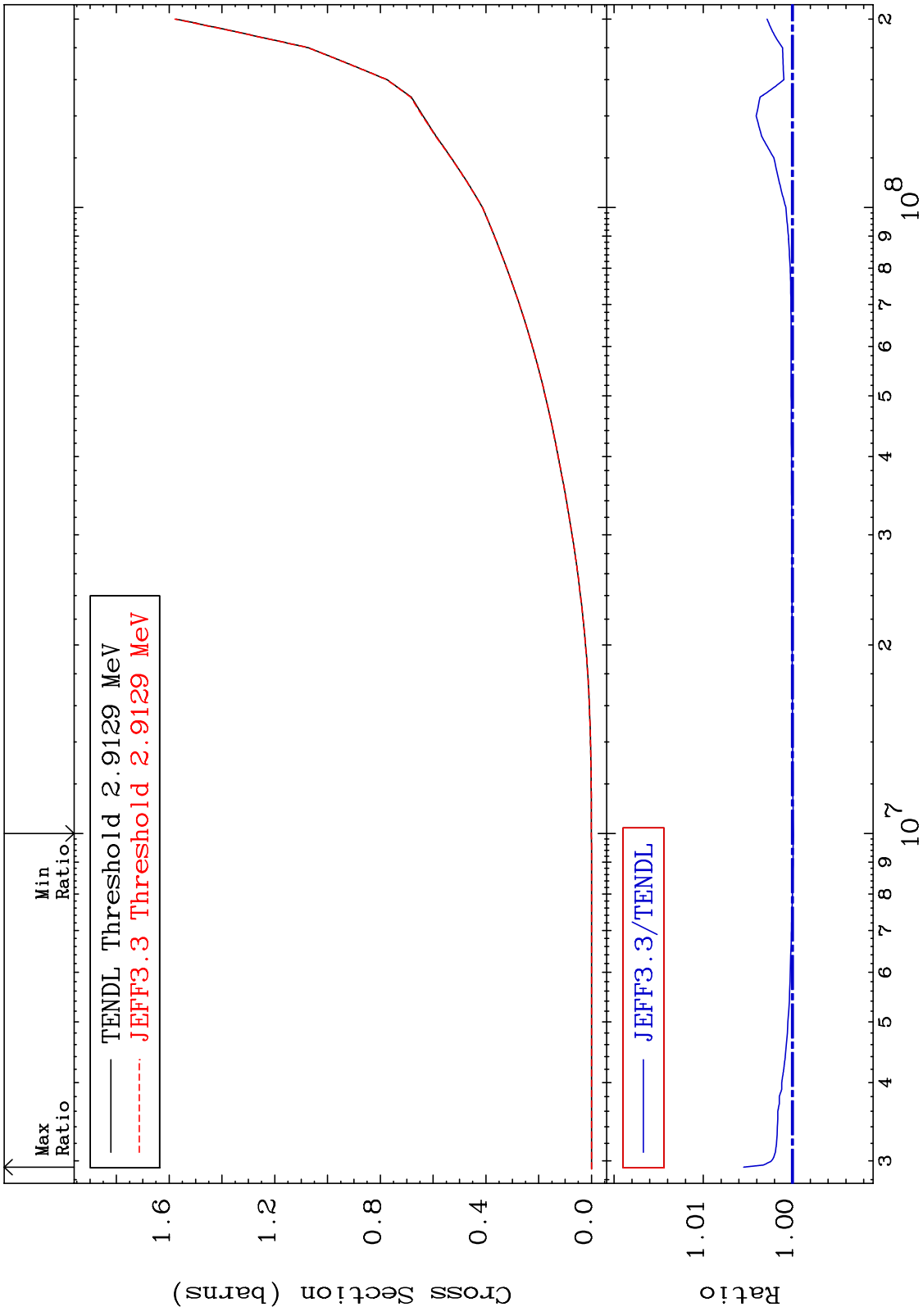
Incident Energy (eV)

MAT 5243 (n,p) d 52-Te-126
 Cross Section -1.347 To 0.000 %



MAT 5243 (n,p) t 52-Te-126
 Cross Section 0.000 To 0.849 %

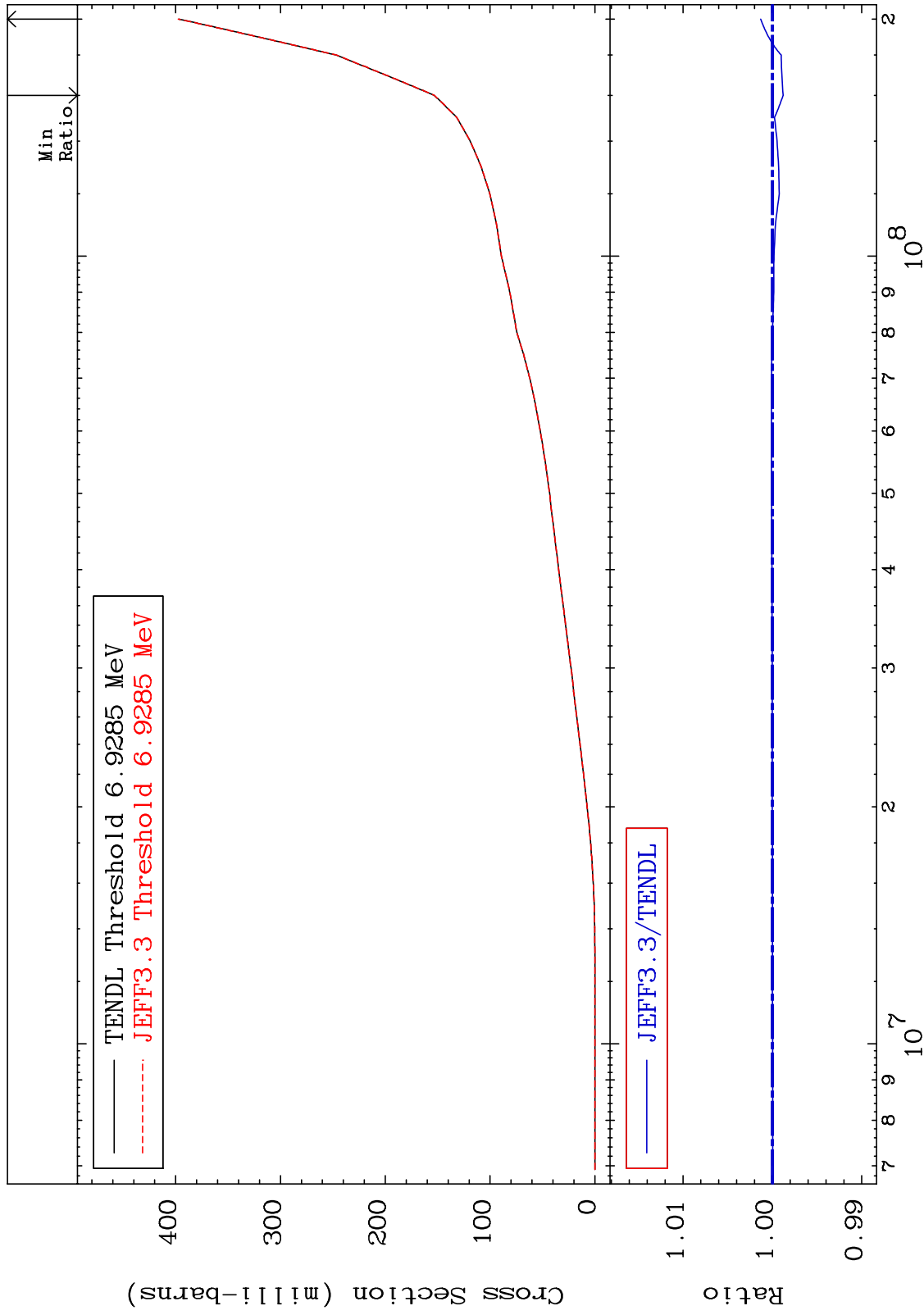




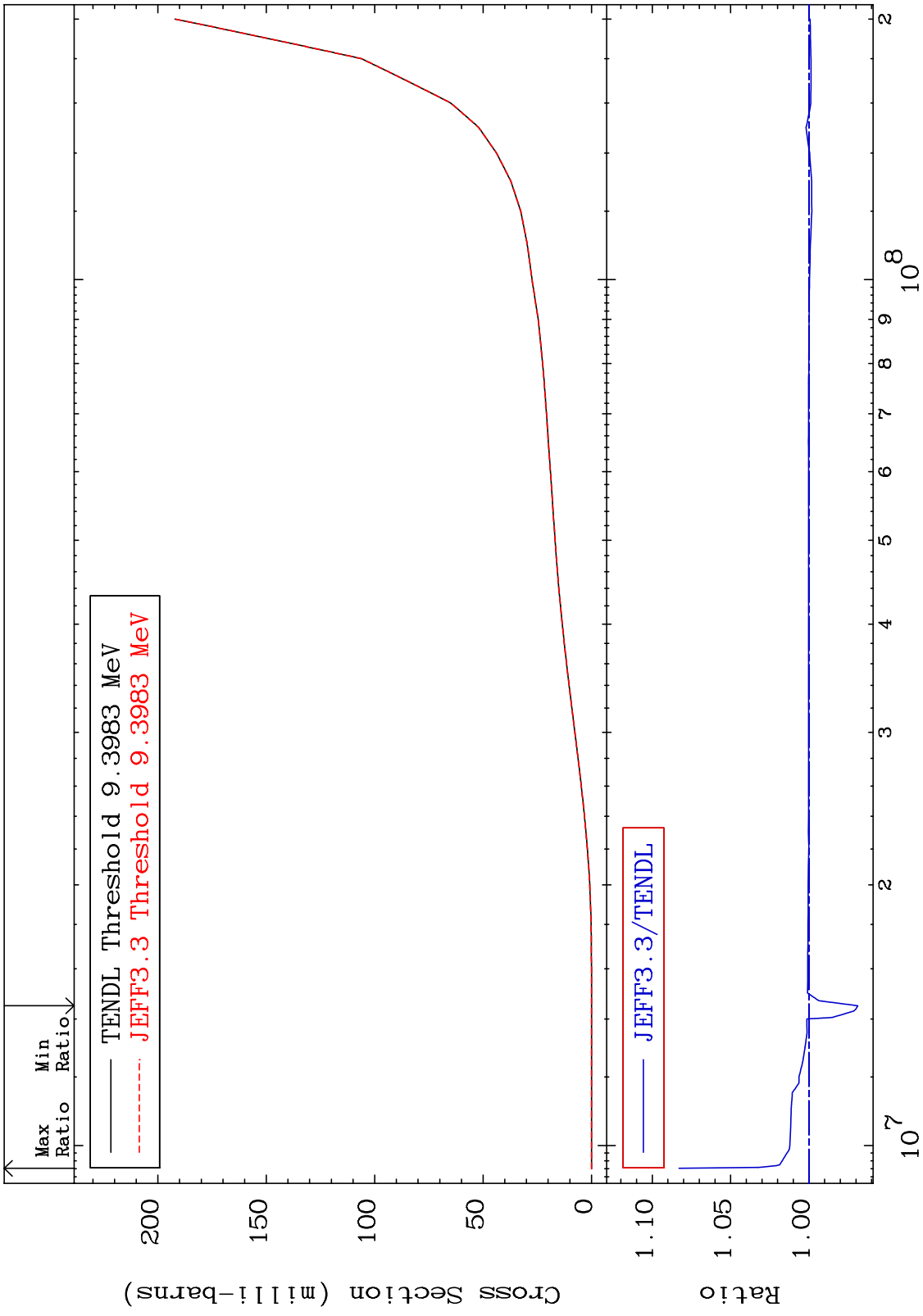
MAT 5243

Deuterium Production
Cross Section

52-Te-126
-0.120 To 0.131 %



MAT 5243 Tritium Production Cross Section 52-Te-126 -3.118 To 8.291 %

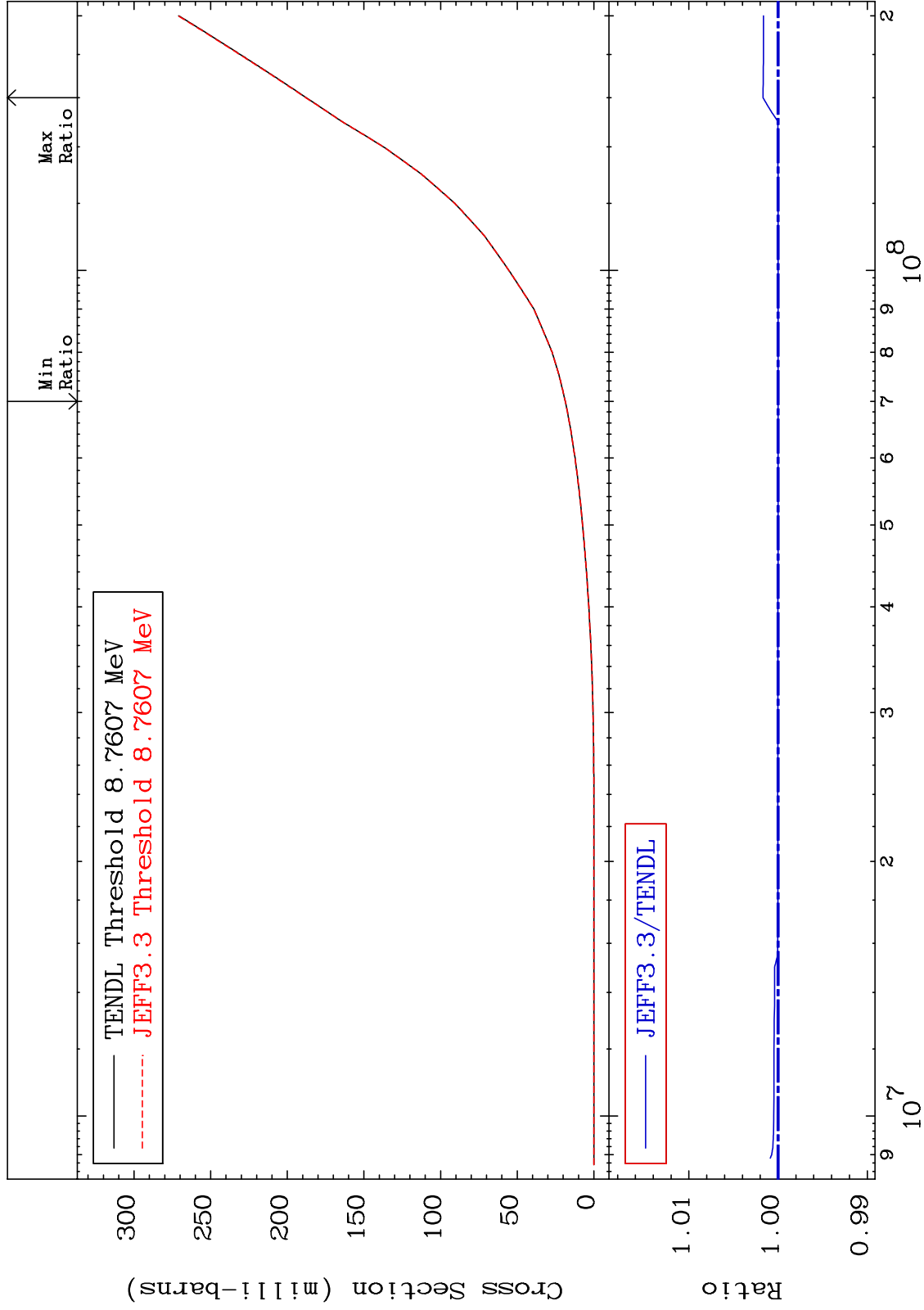


56 52-Te-126

MAT 5243

He-3 Production
Cross Section

52-Te-126
To 0.170 %



57

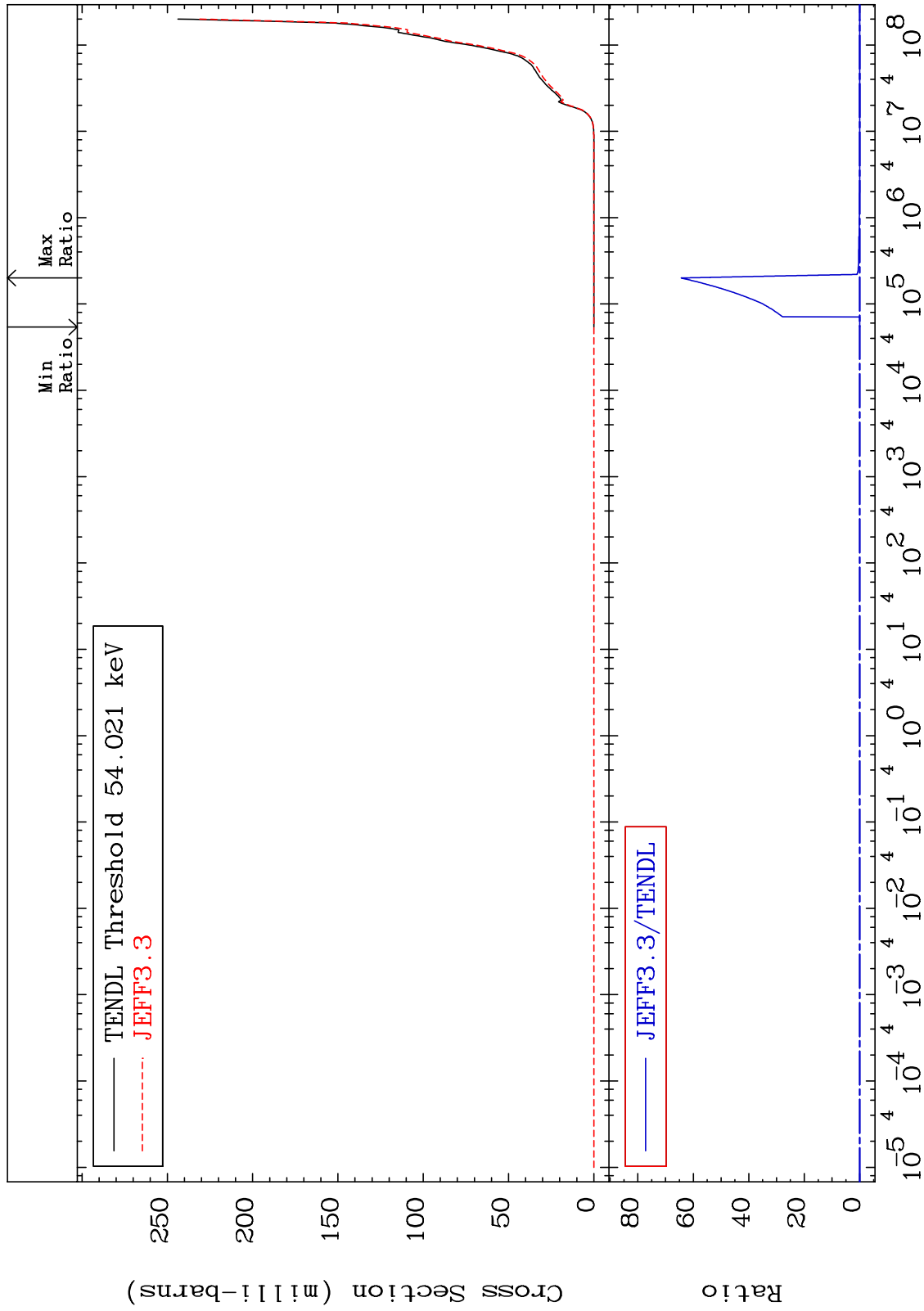
Incident Energy (eV)

52-Te-126

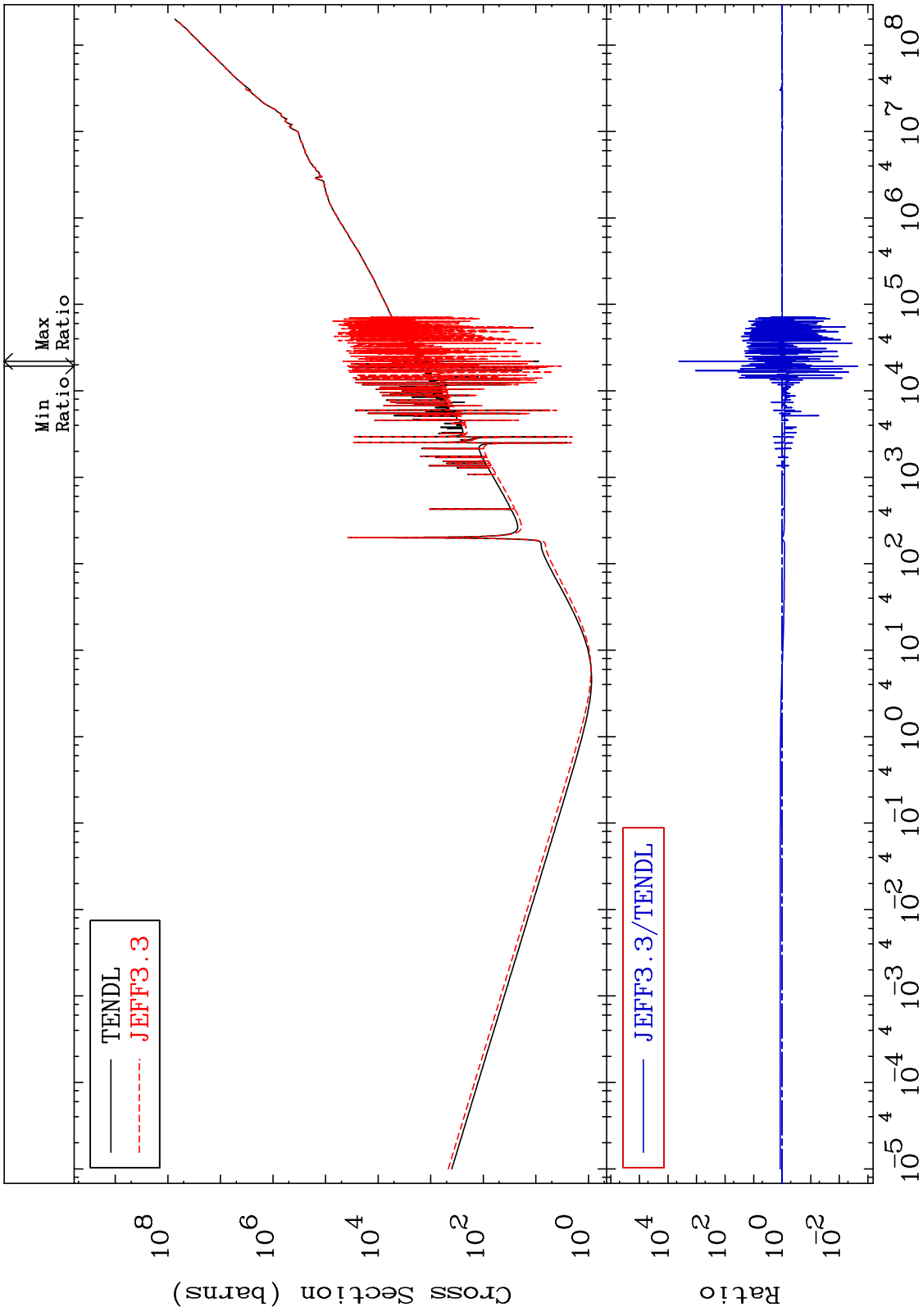
MAT 5243

He-4 Production
Cross Section

52-Te-126
-100.0 To 9999. %



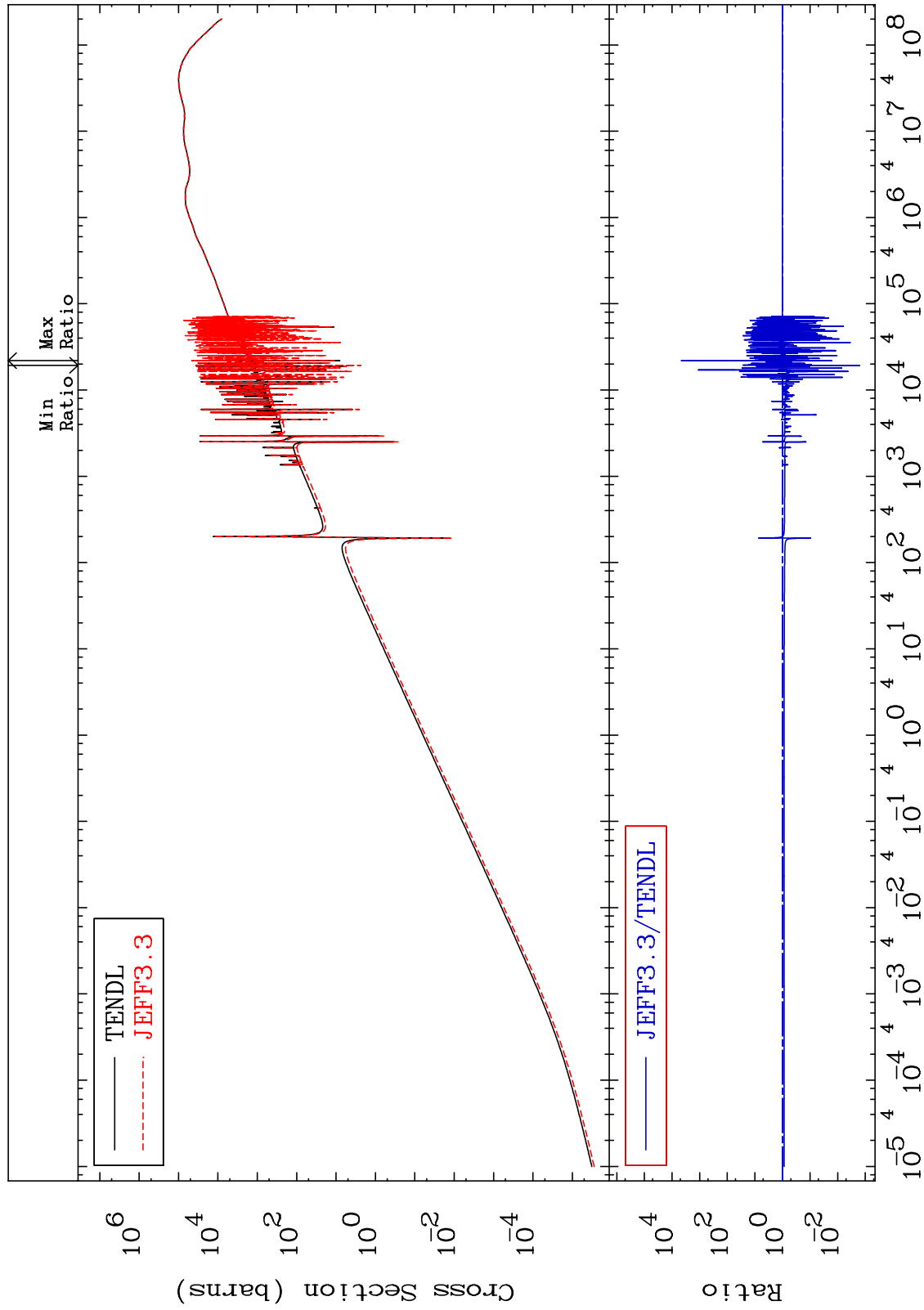
MAT 5243 Kerma total (eV-barns) 52-Te-126
 Cross Section -99.78 To 9999. %



MAT 5243

Kerma elastic
Cross Section

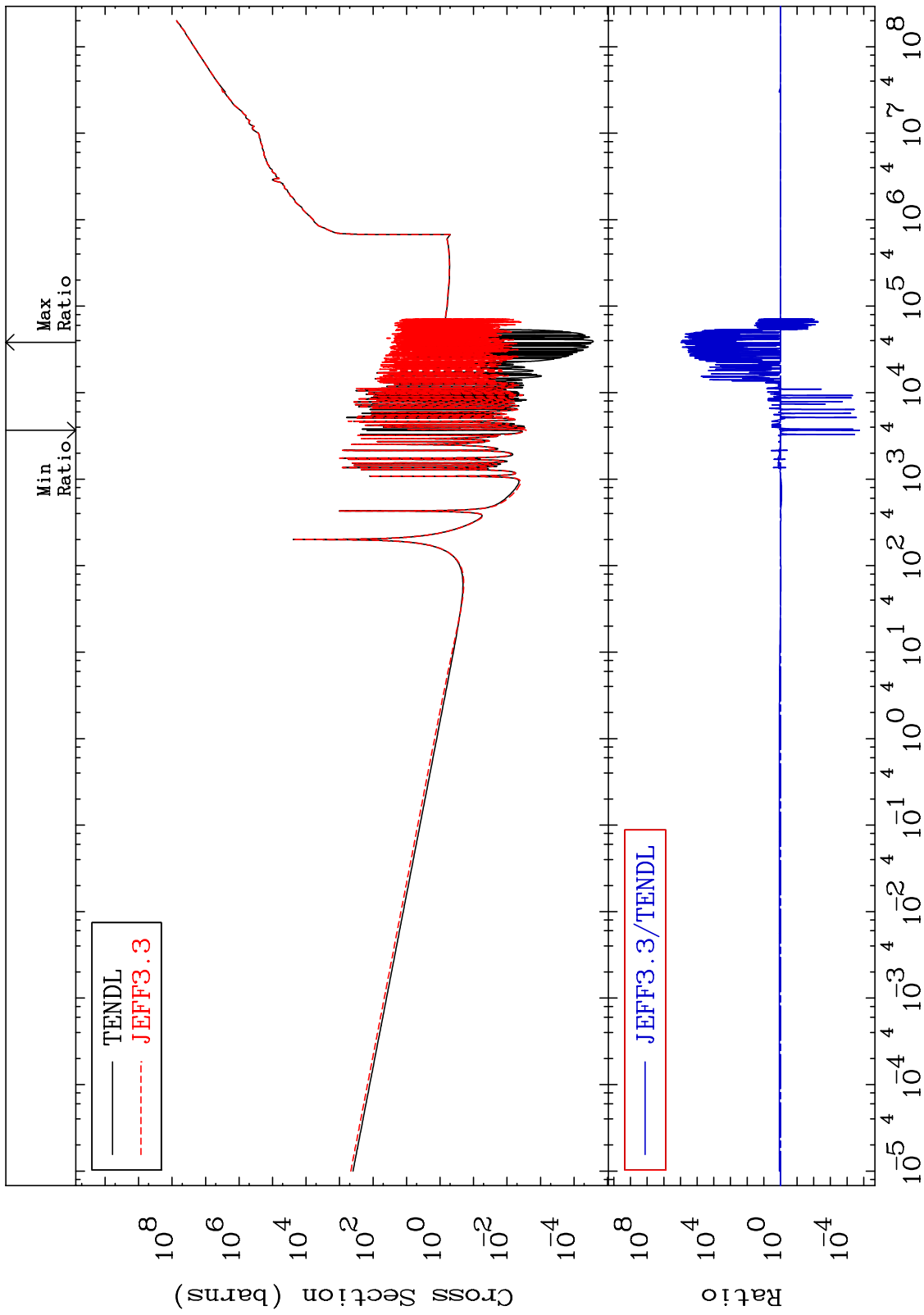
52-Te-126
-99.84 To 9999. %



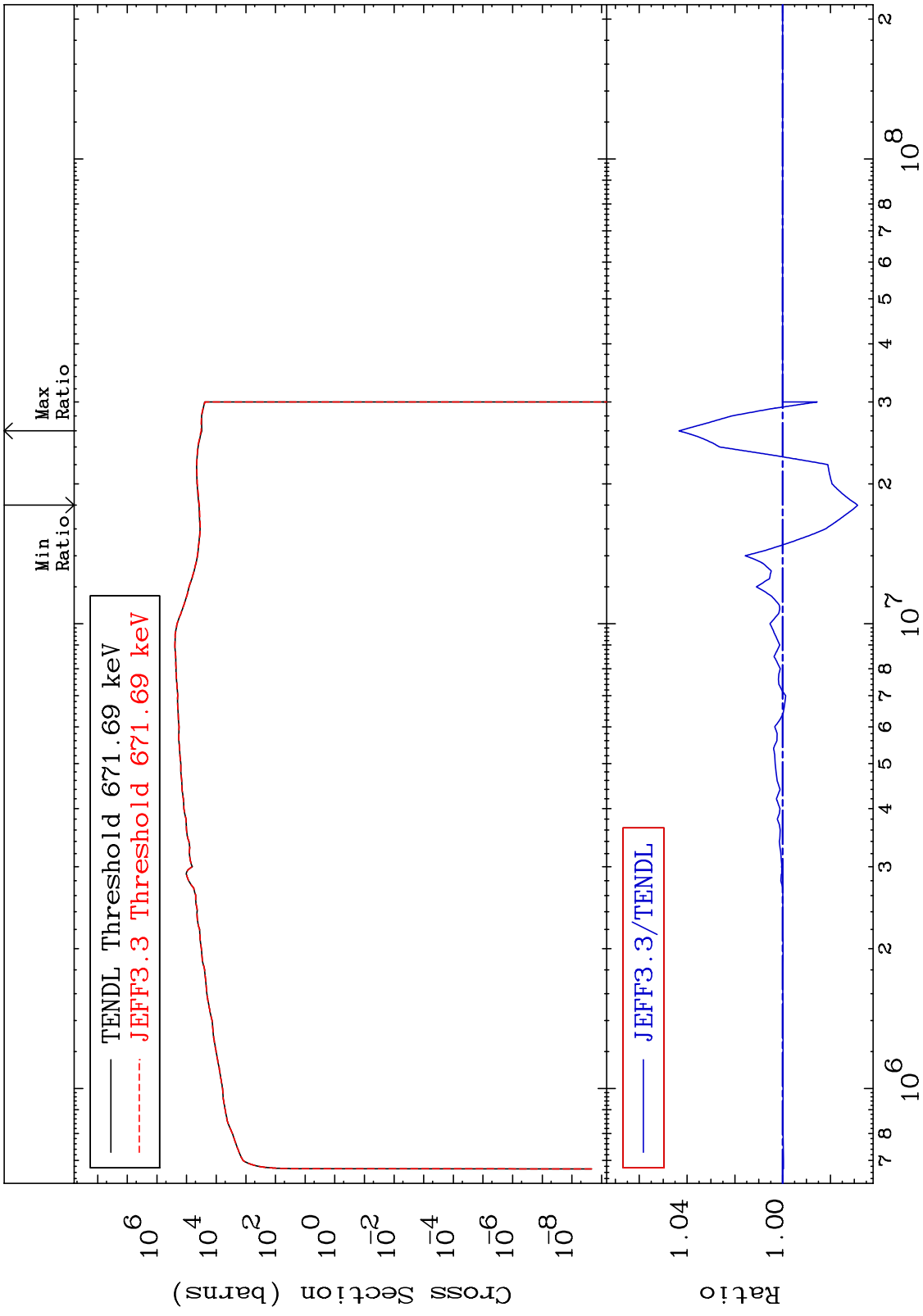
MAT 5243

Kerma non-elastic (all but mt2)
Cross Section

52-Te-126
-100.0 To 9999. %



MAT 5243 Kerma inelastic (mt51-91) 52-Te-126
 -3.147 To 4.335 %

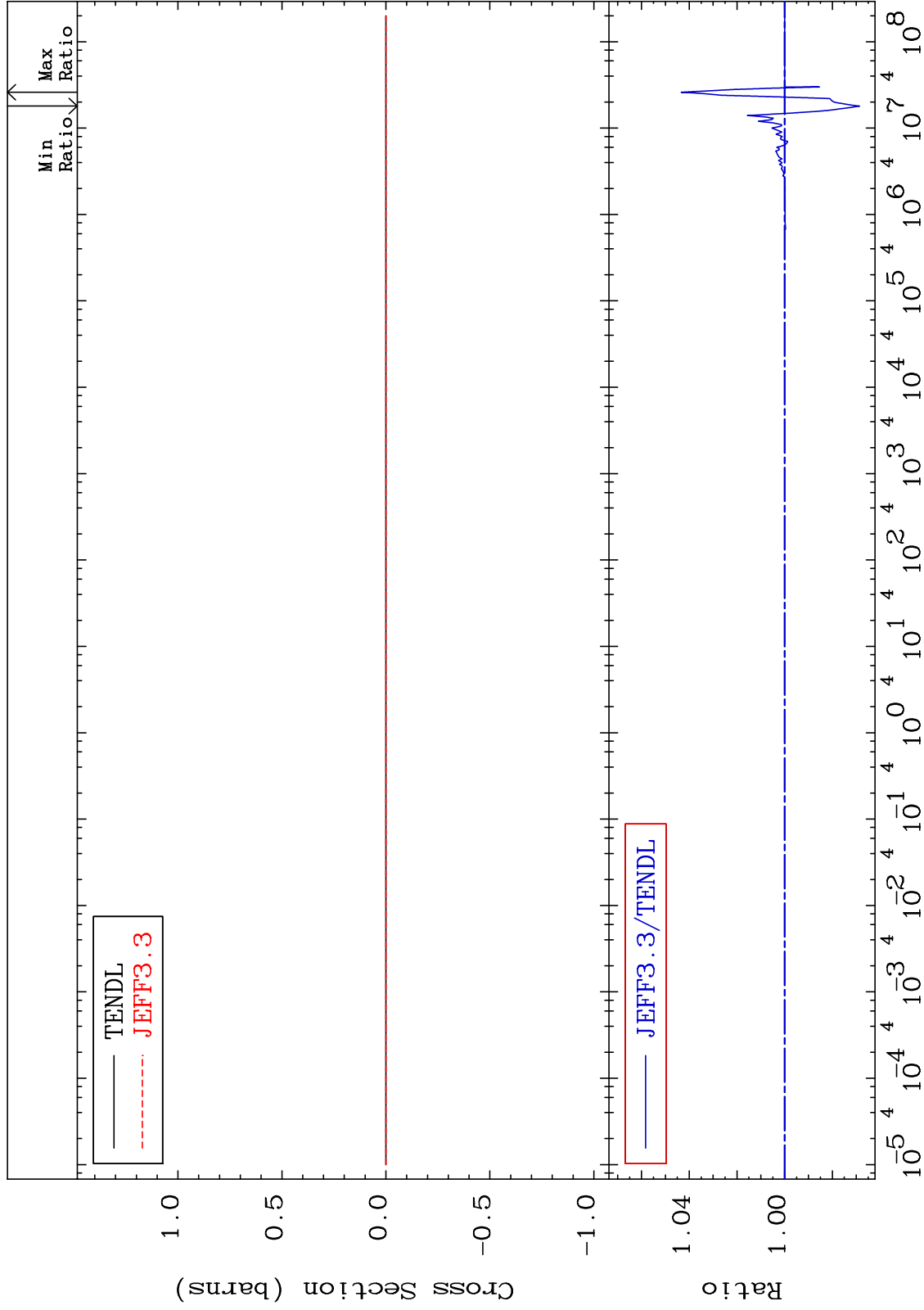


62 Incident Energy (eV) 52-Te-126

MAT 5243

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

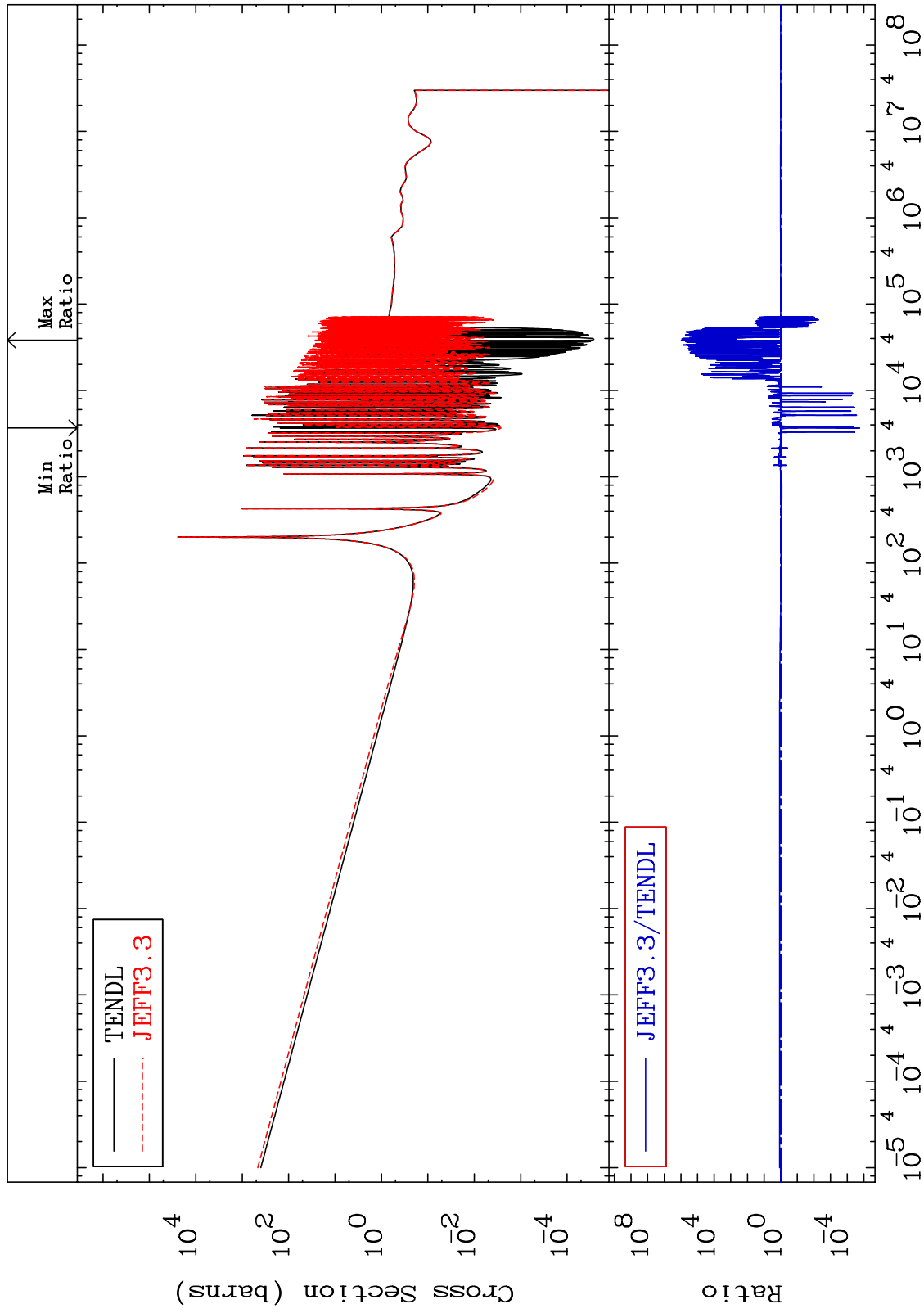
52-Te-126
-3.147 To 4.335 %



MAT 5243

Kerma capture (mt102)
Cross Section

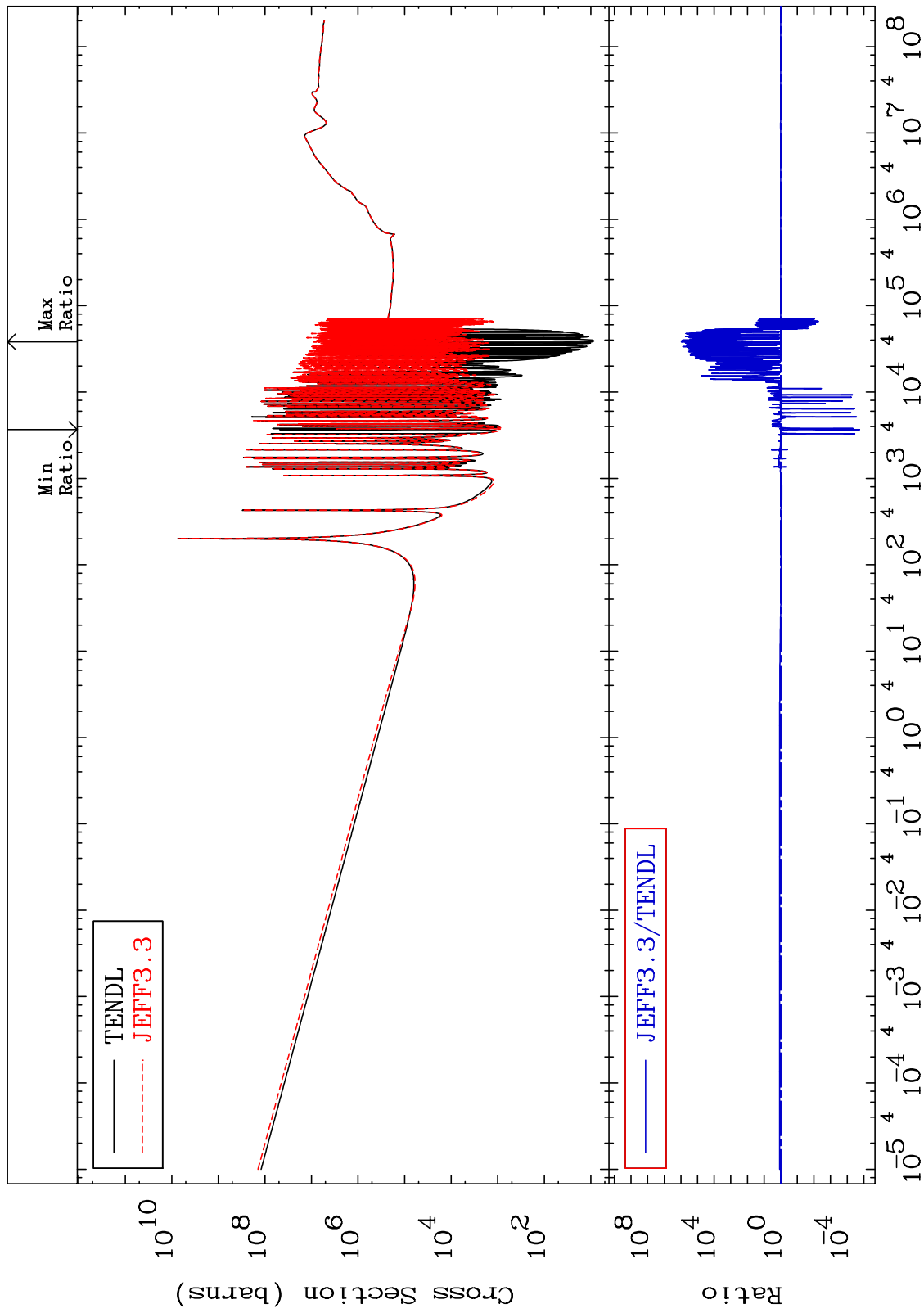
52-Te-126
-100.0 To 9999. %



MAT 5243

Total photon (eV-barns)
Cross Section

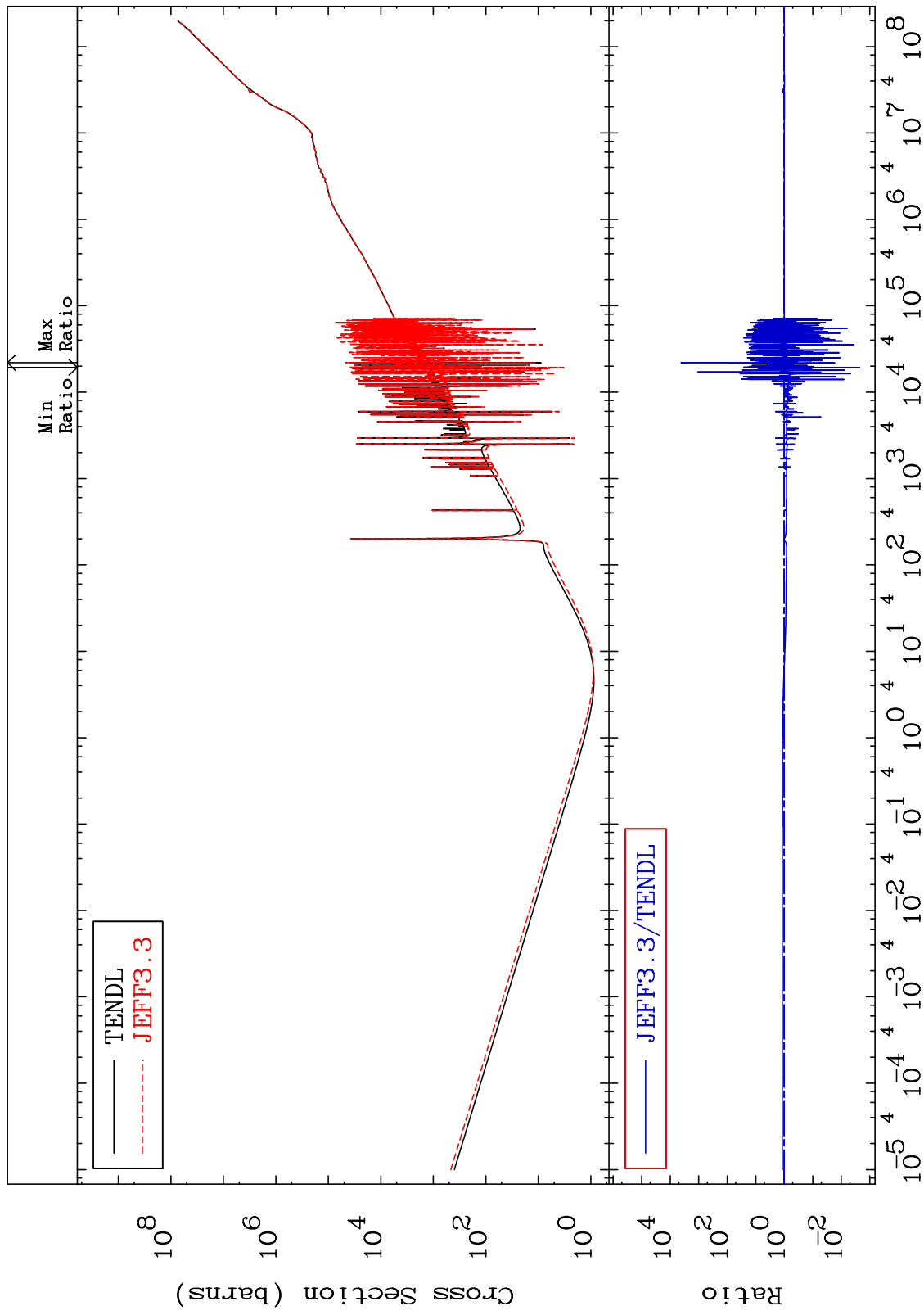
52-Te-126
-100.0 To 9999. %



MAT 5243

Total kinematic kerma (high limit)
Cross Section

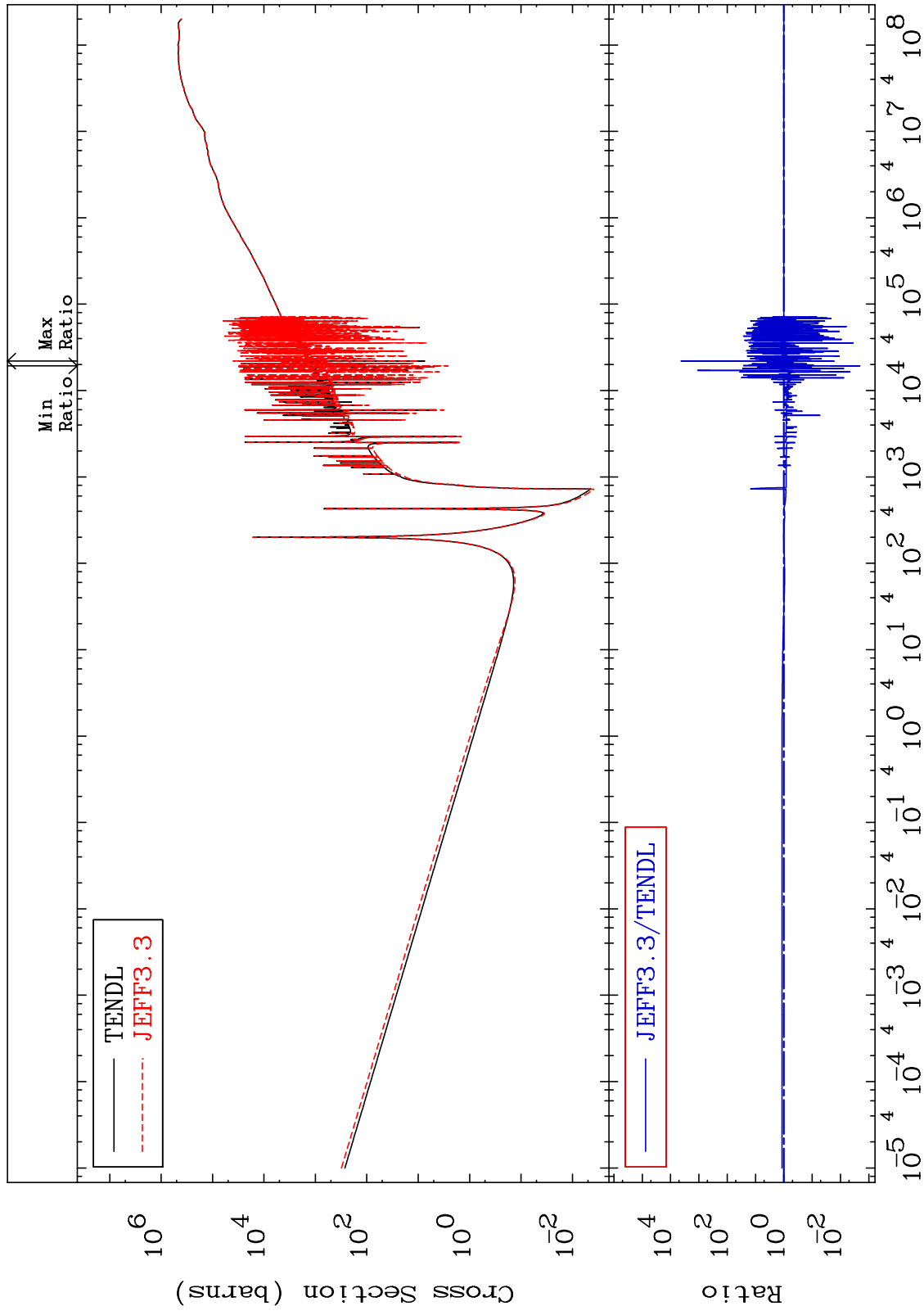
52-Te-126
-99.78 To 9999. %



MAT 5243

Dpa total (eV-barns)
Cross Section

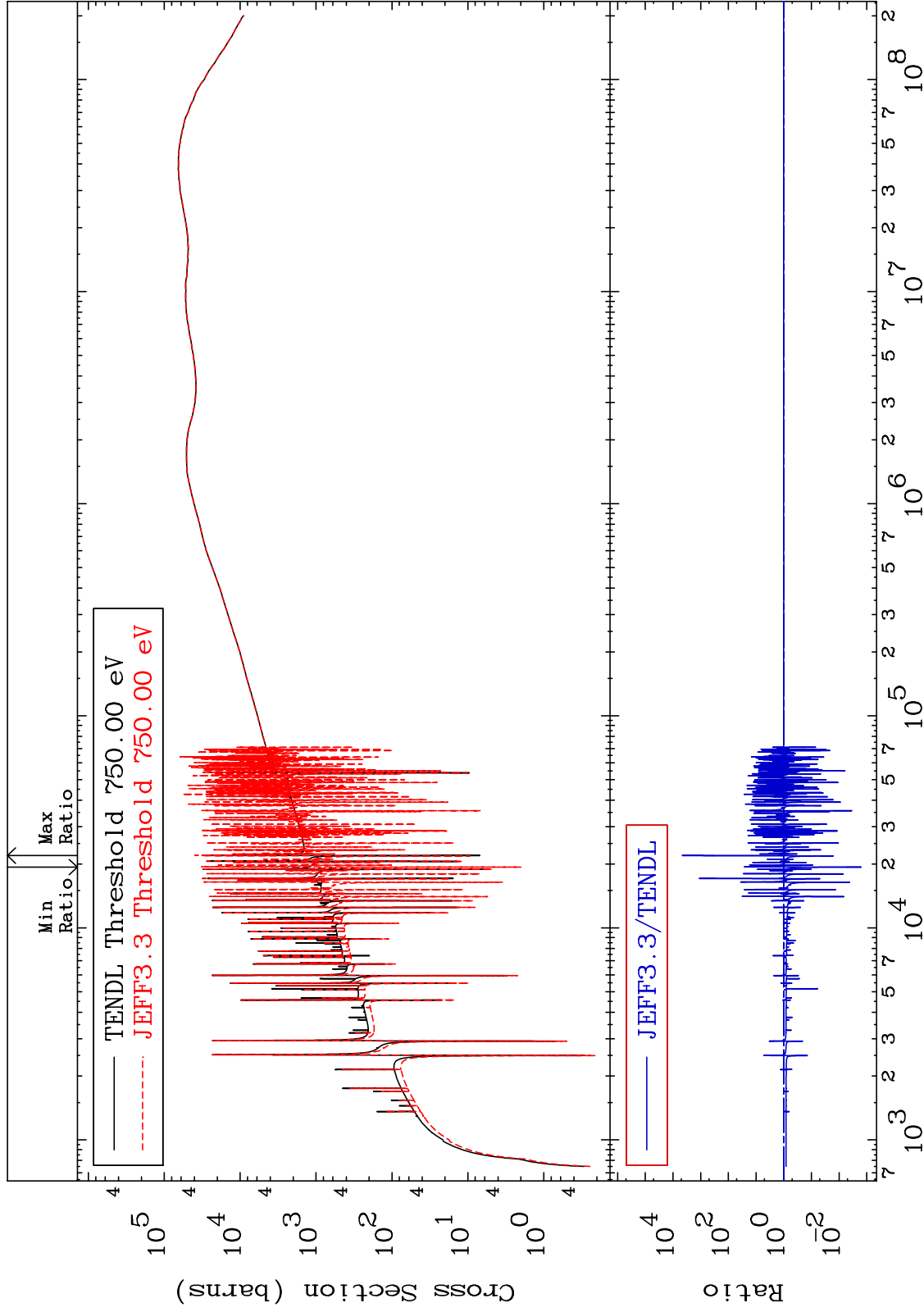
52-Te-126
-99.79 To 9999. %



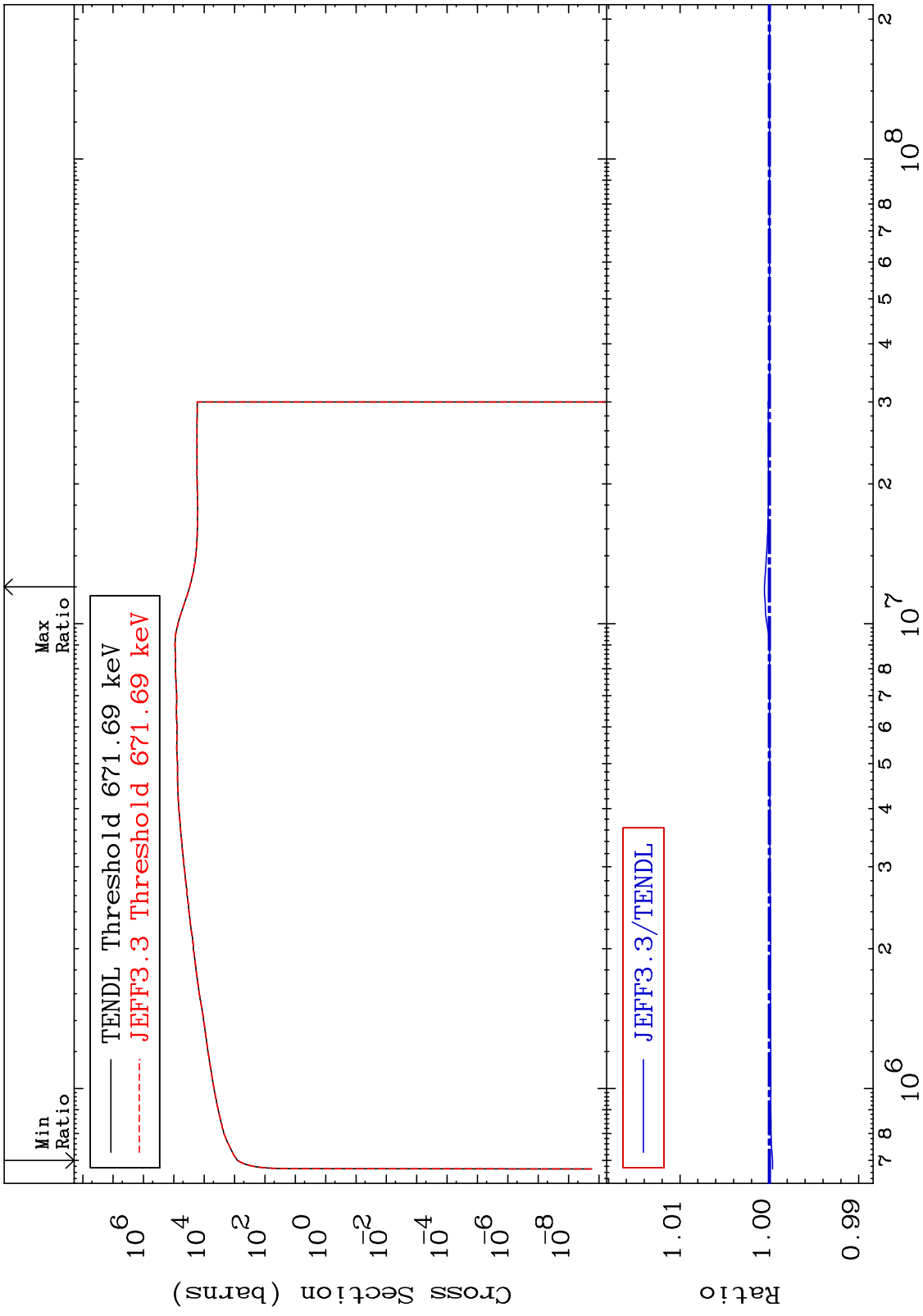
MAT 5243

Dpa elastic (mt2)
Cross Section

52-Te-126
-99.84 To 9999. %



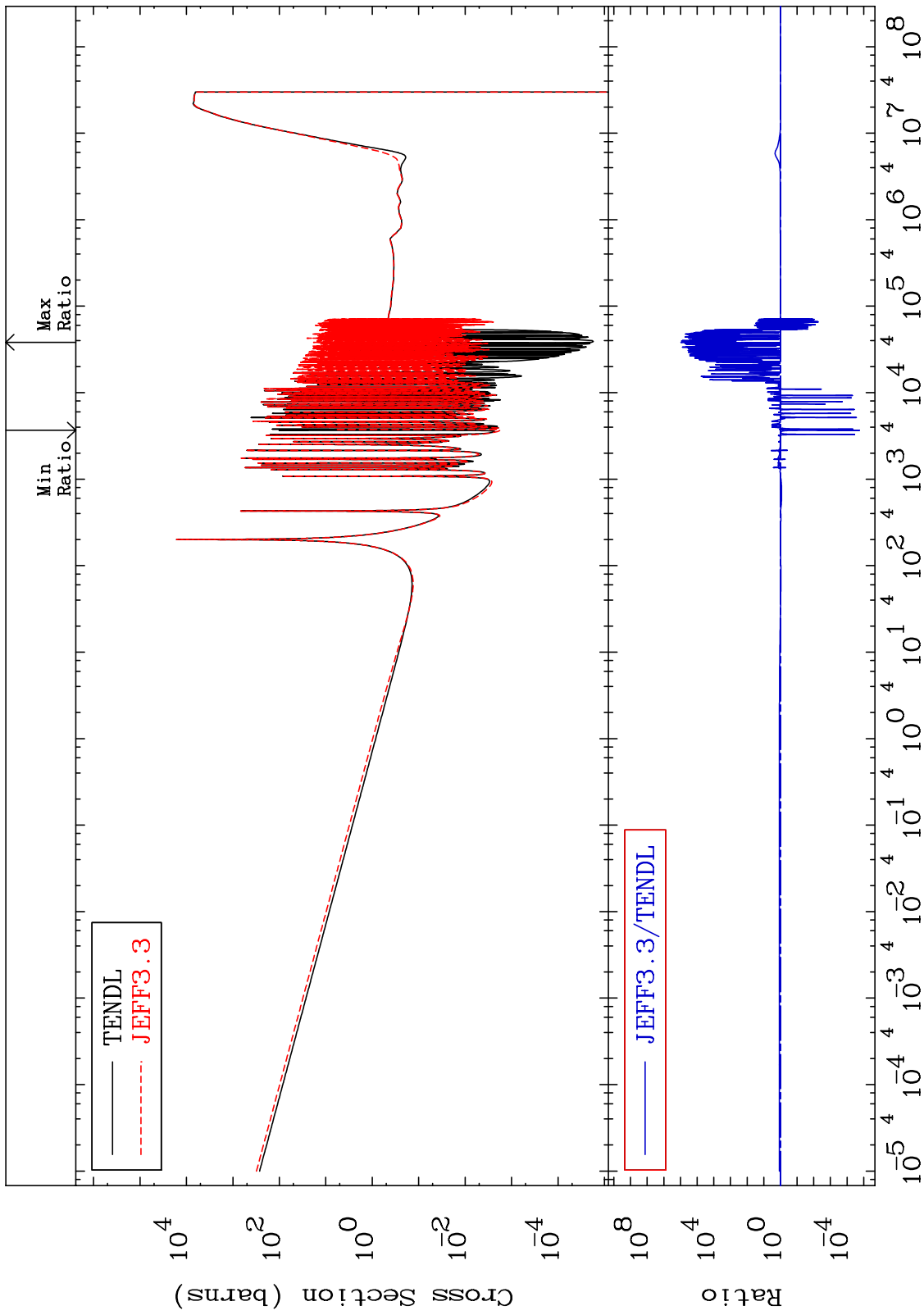
MAT 5243 Dpa inelastic (mt51-91) 52-Te-126
 Cross Section -0.035 To 0.056 %



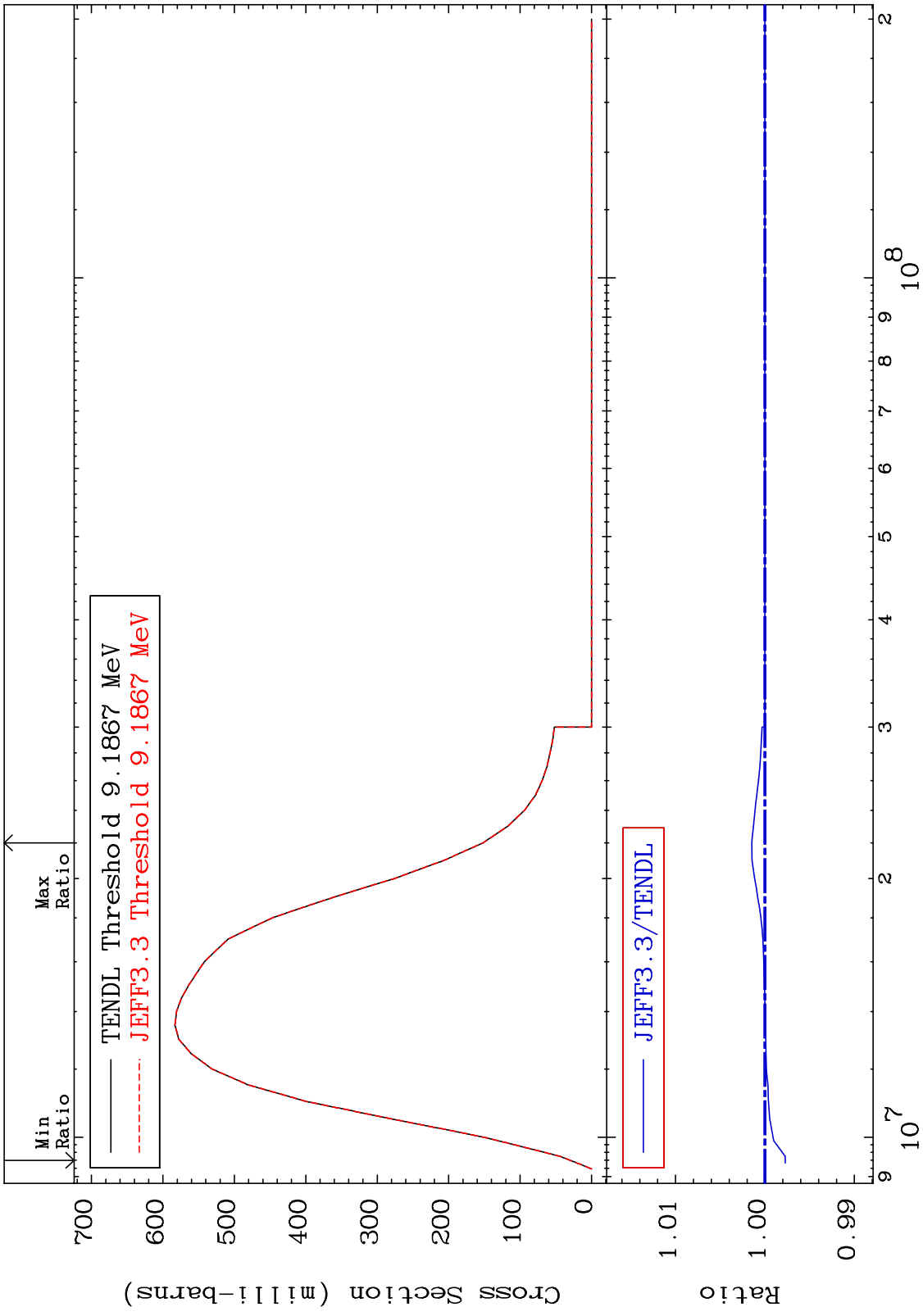
MAT 5243

Dpa disappearance (mt102 -120)
Cross Section

52-Te-126
-100.0 To 9999. %



MAT 5243 (n,2n):52-Te-125g 52-Te-126
 Radionuclide Production Cross Section -0.225 To 0.148 %

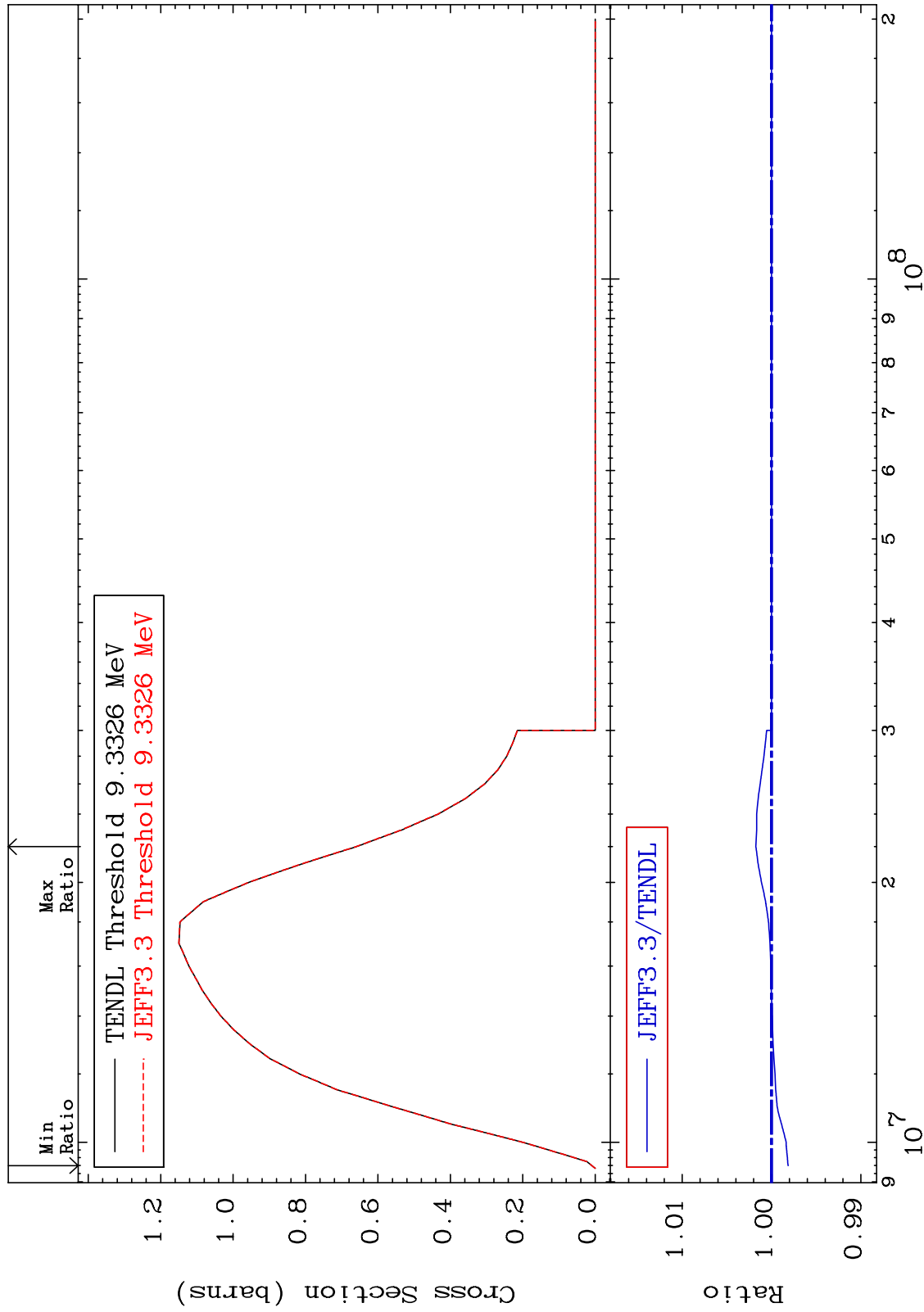


MAT 5243

(n,2n):52-Te-125m2

52-Te-126

Radionuclide Production Cross Section -0.186 To 0.175 %

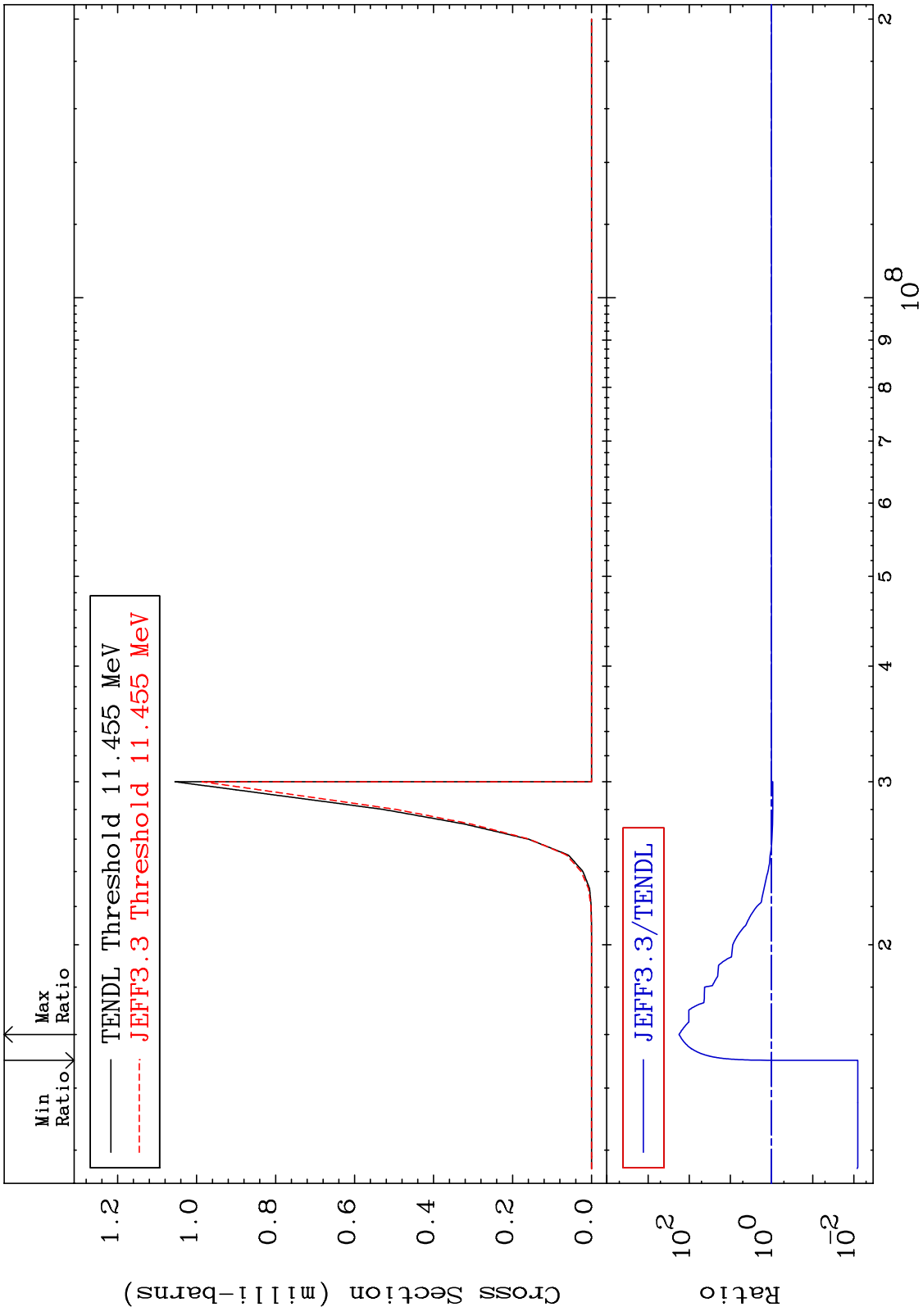


72

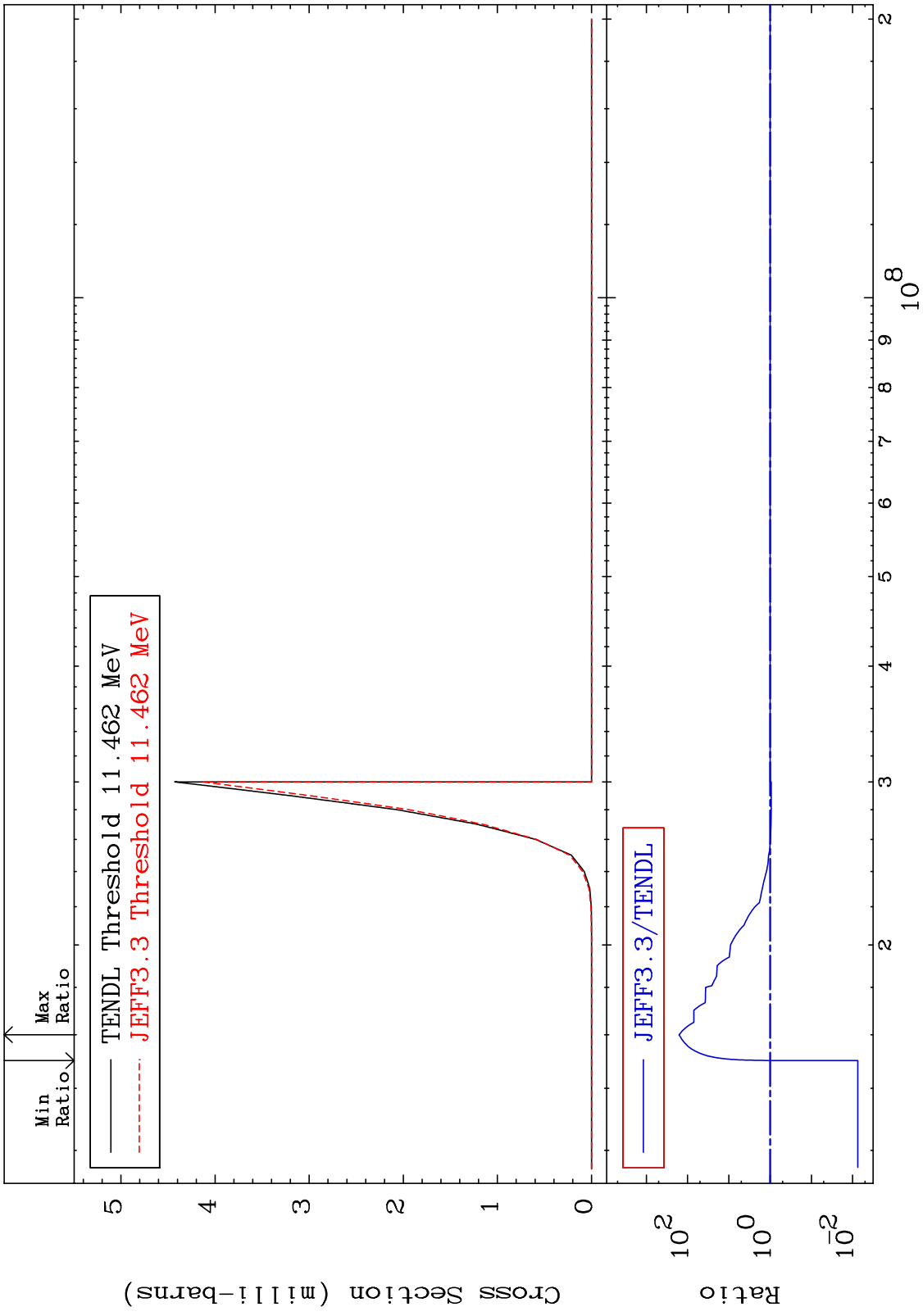
Incident Energy (eV)

52-Te-126

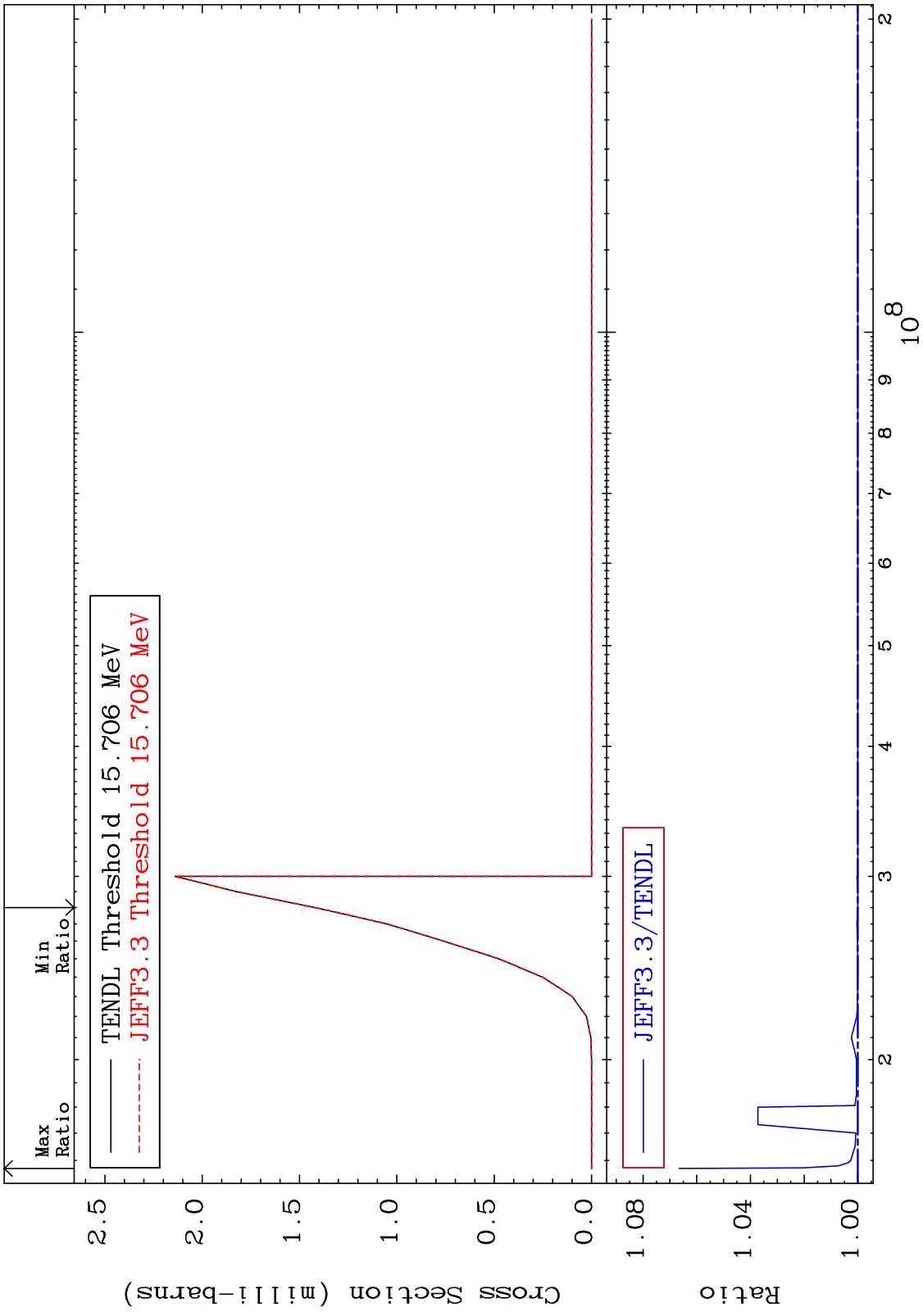
MAT 5243 (n,2n) α :50-Sn-121g 52-Te-126
 Radionuclide Production Cross Section -99.20 To 9999. %



MAT 5243 (n,2n) α :50-Sn-121m1 52-Te-126
 Radionuclide Production Cross Section -99.25 To 9999. %



MAT 5243 (n, n') d:51-Sb-124g 52-Te-126
 Radionuclide Production Cross Section 0.000 To 6.659 %

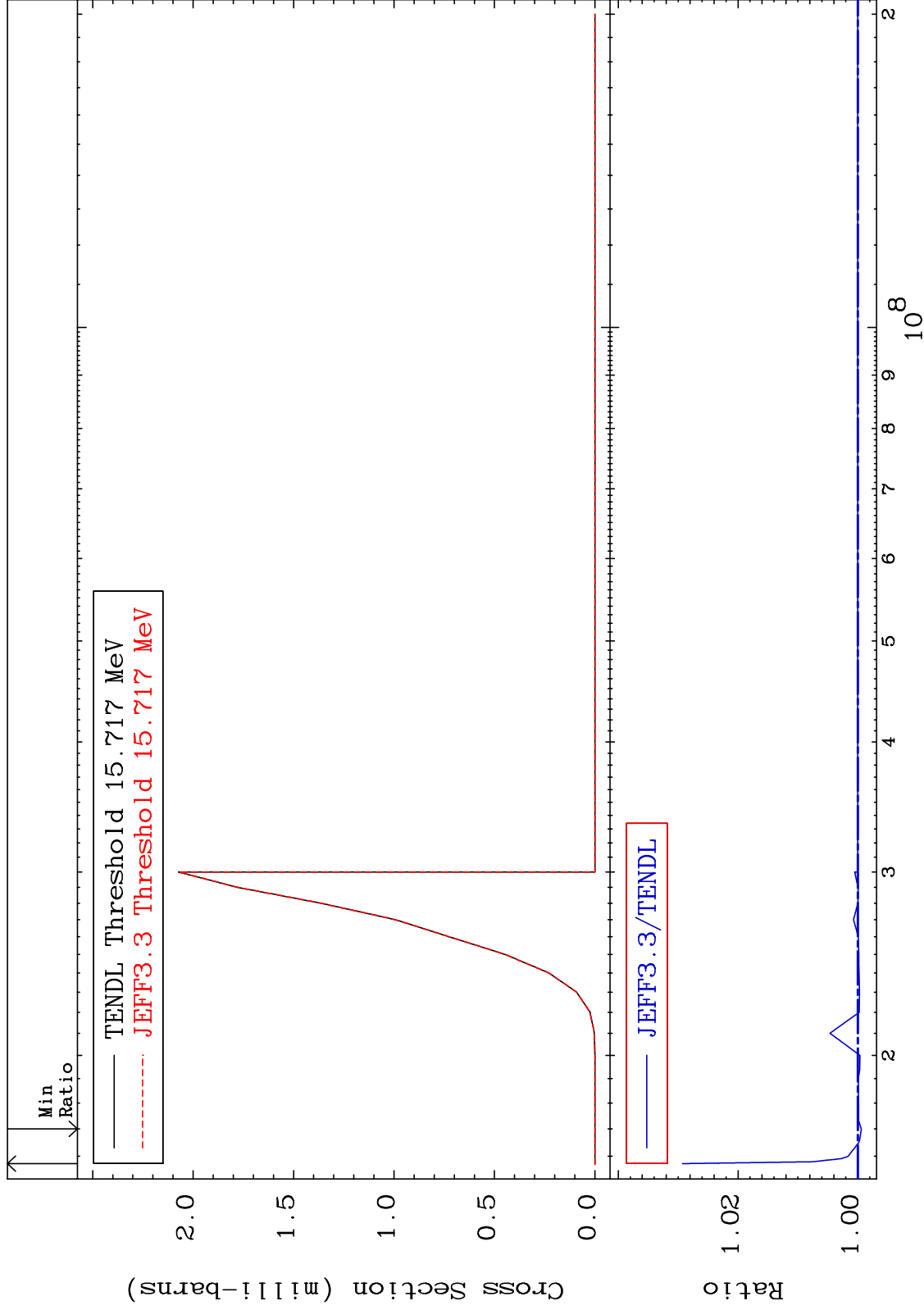


MAT 5243

(n,n') d:51-Sb-124m1

52-Te-126

Radionuclide Production Cross Section -0.058 To 2.928 %

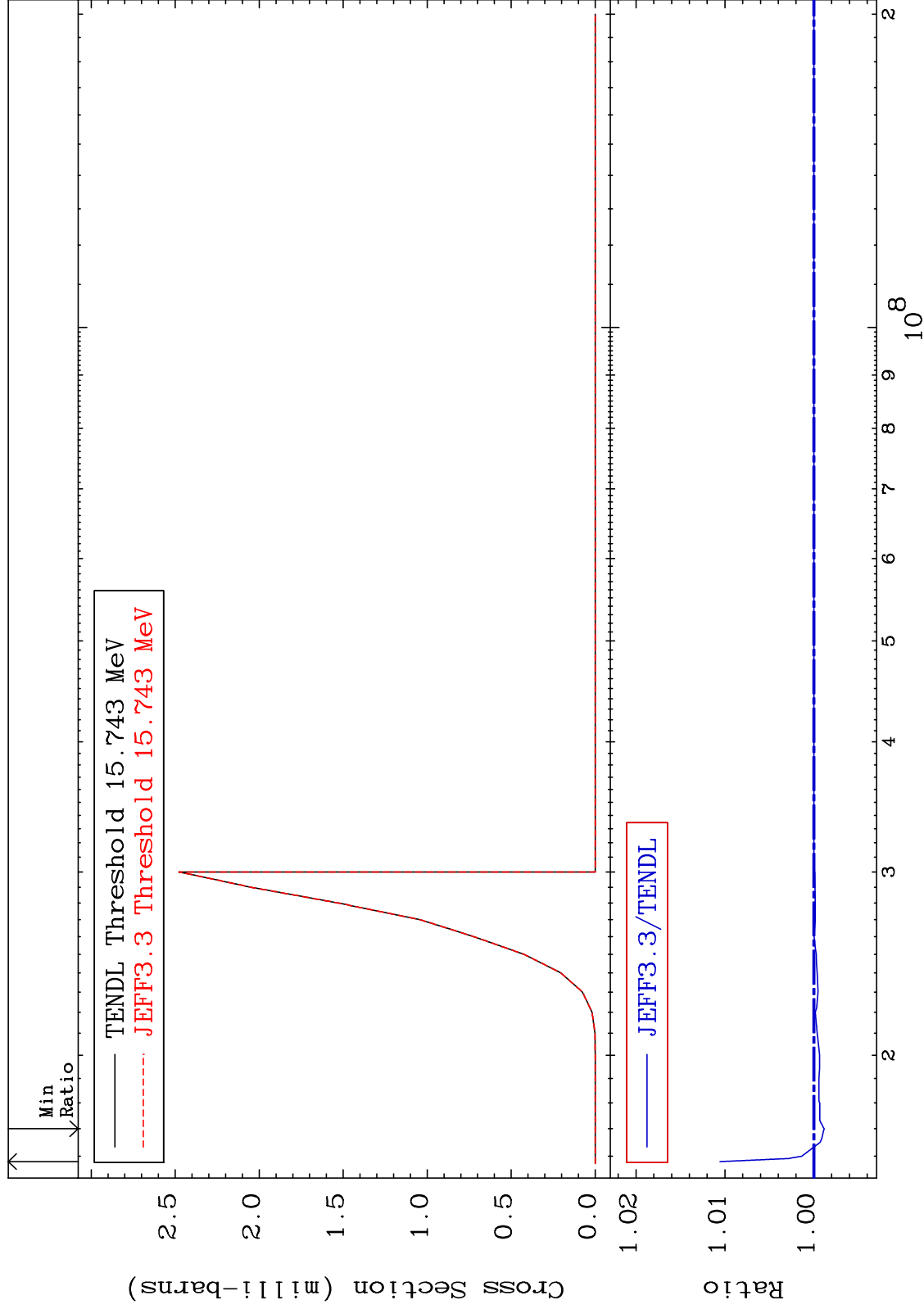


MAT 5243

(n,n') d:51-Sb-124m2

52-Te-126

Radionuclide Production Cross Section -0.115 To 1.056 %



77

Incident Energy (eV)

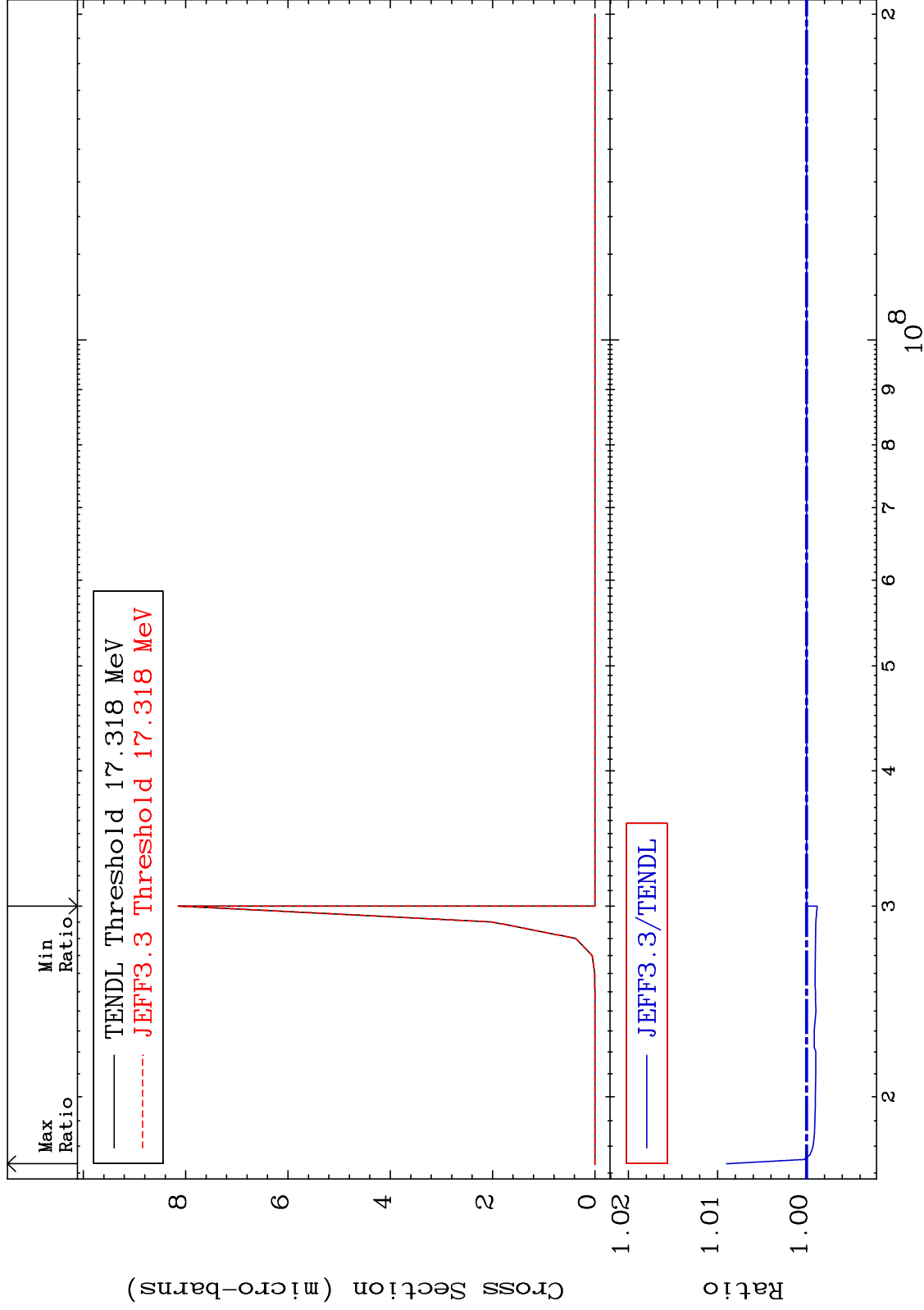
52-Te-126

MAT 5243

(n,n') He-3:50-Sn-123g

52-Te-126

Radionuclide Production Cross Section -0.118 To 0.899 %

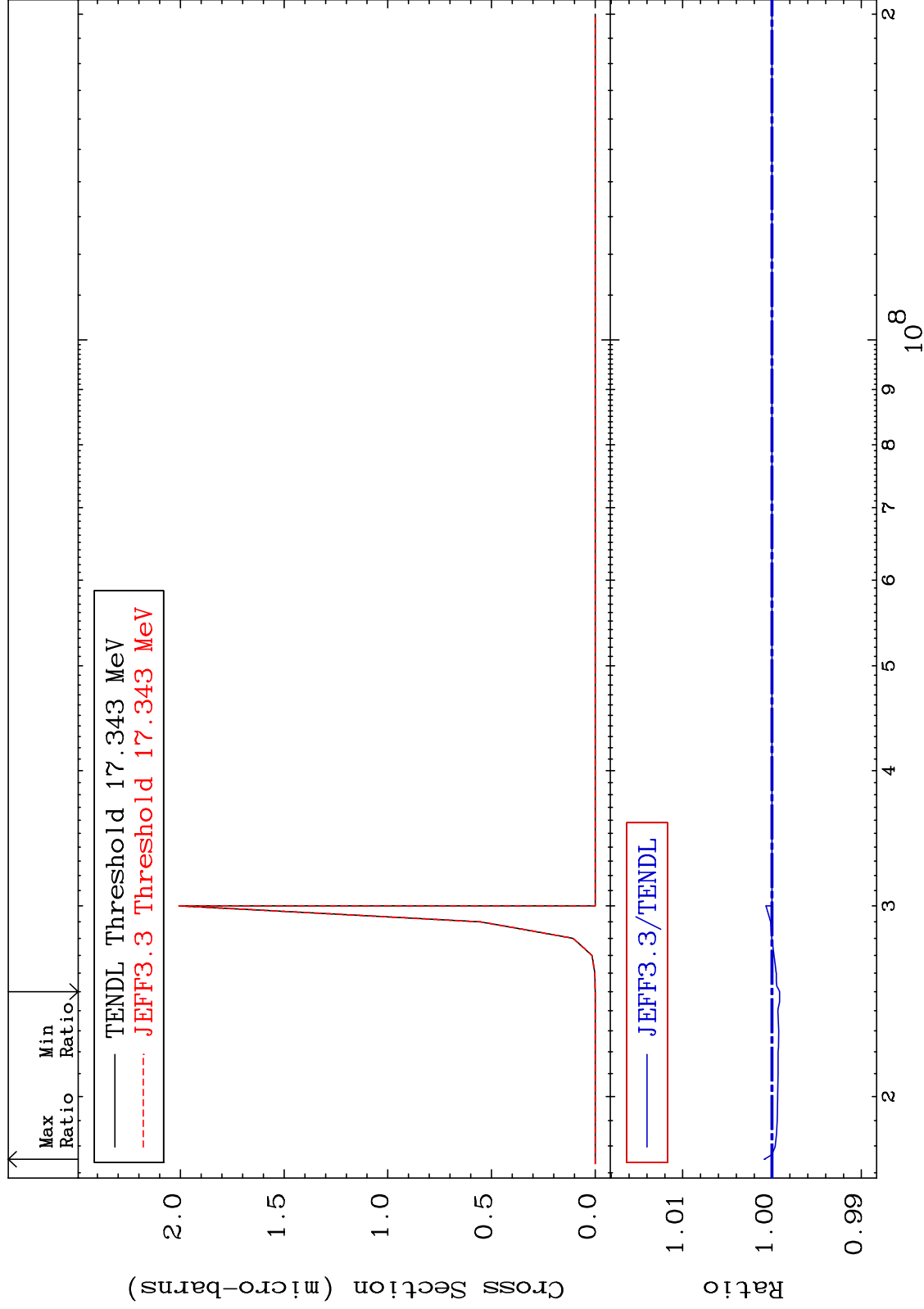


MAT 5243

(n, n') He-3:50-Sn-123m1

52-Te-126

Radionuclide Production Cross Section -0.085 To 0.086 %

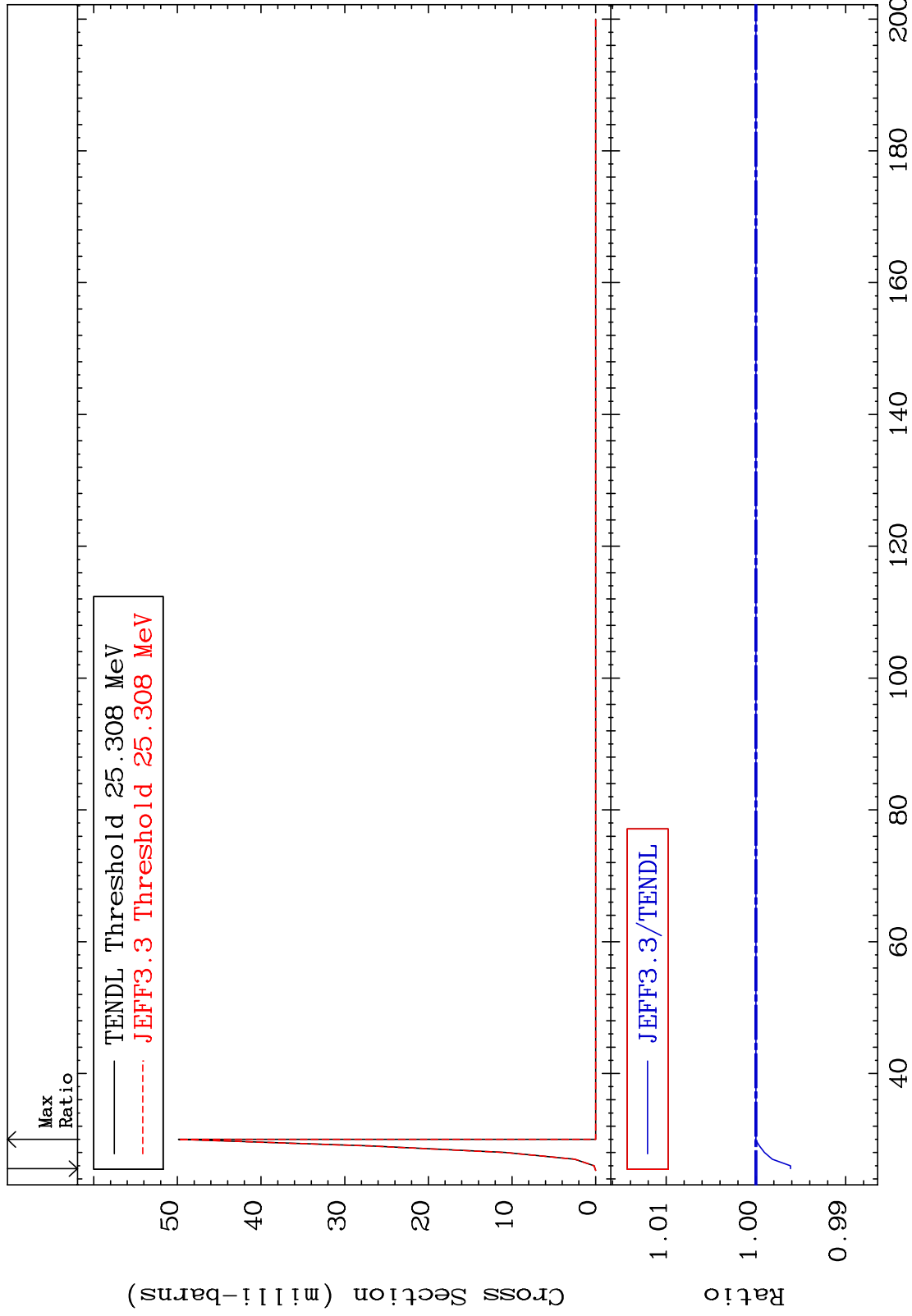


MAT 5243

(n,4n):52-Te-123g

52-Te-126

Radionuclide Production Cross Section -0.384 To 0.008 %



80

Incident Energy (MeV)

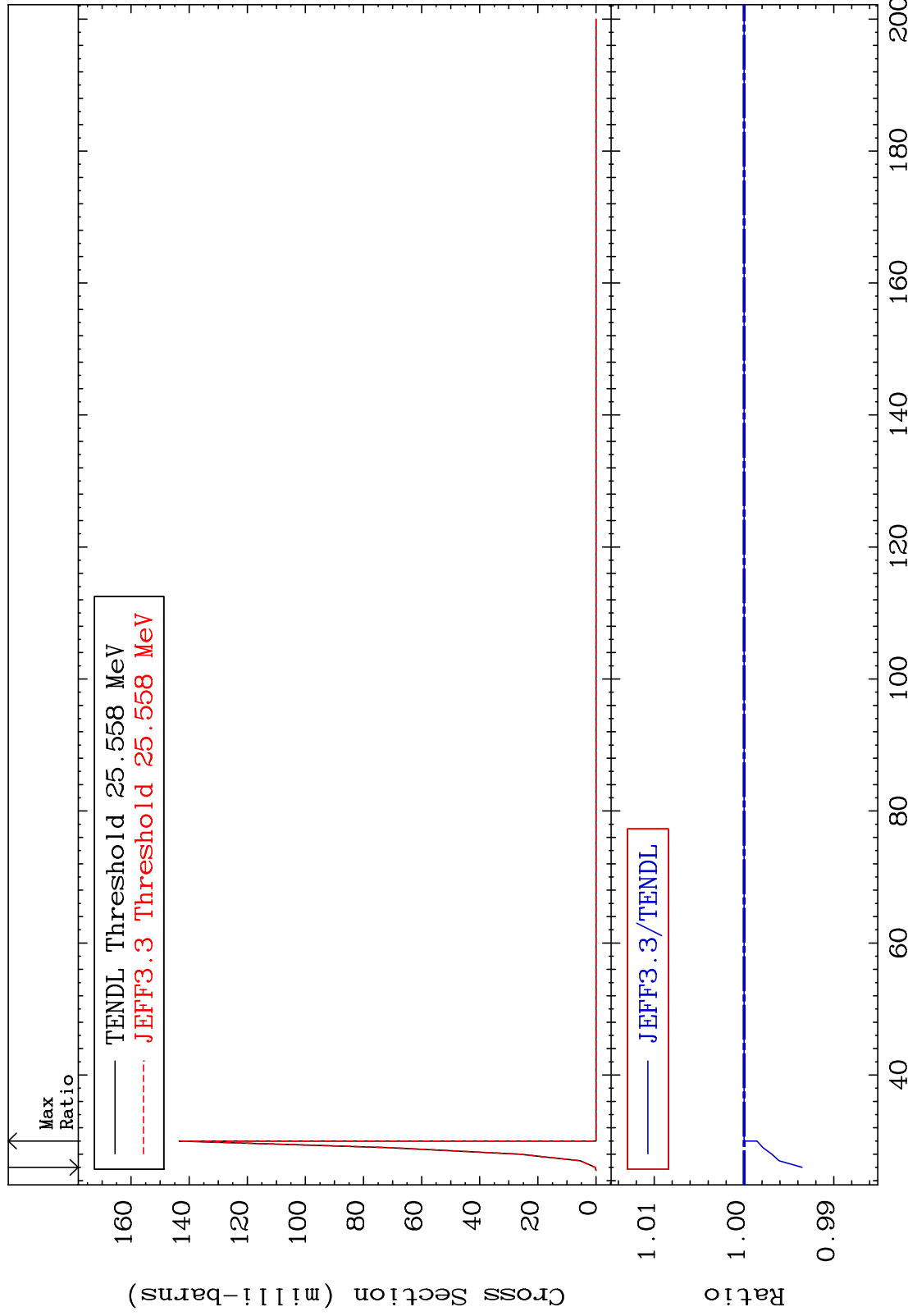
52-Te-126

MAT 5243

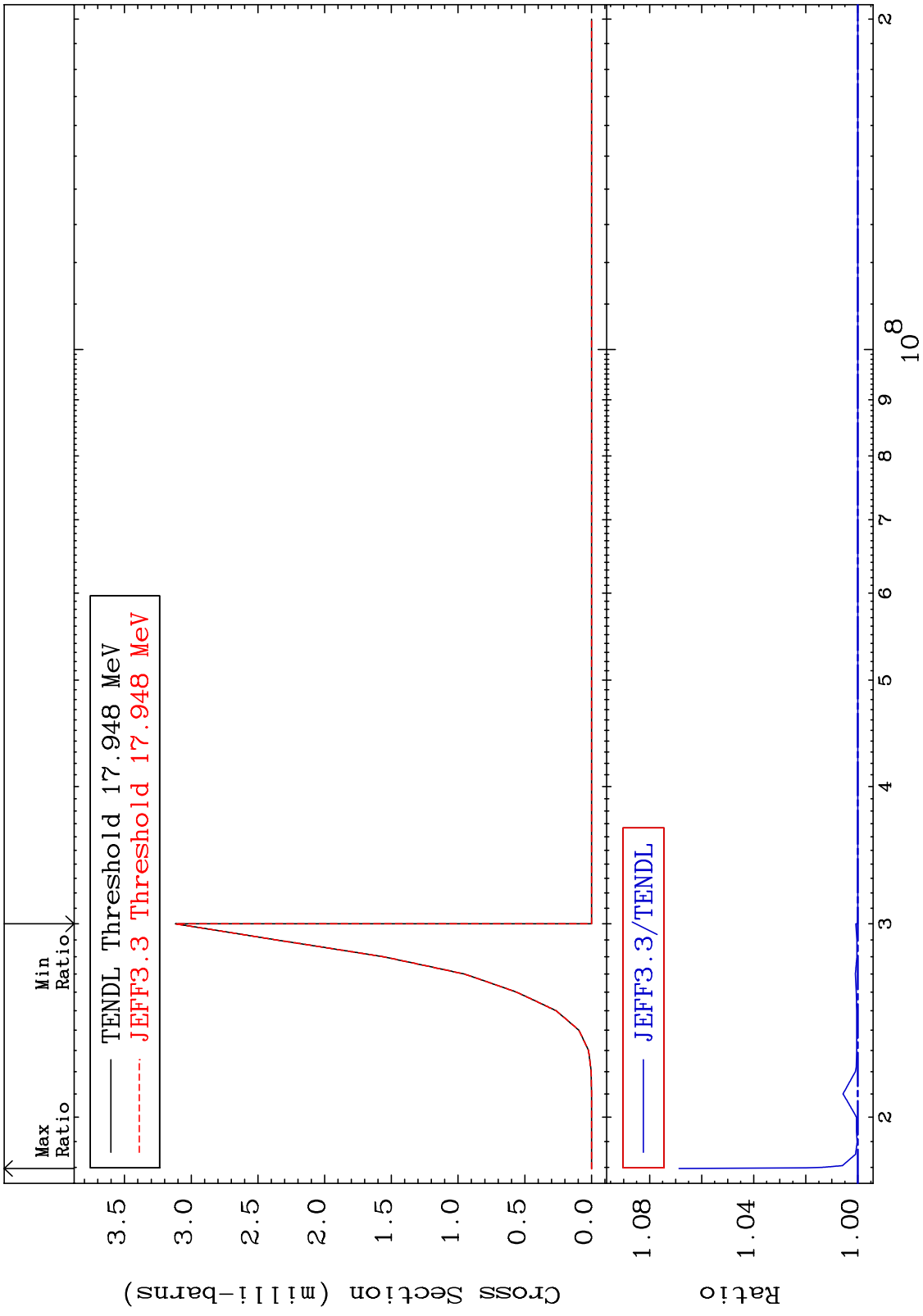
(n,4n):52-Te-123m2

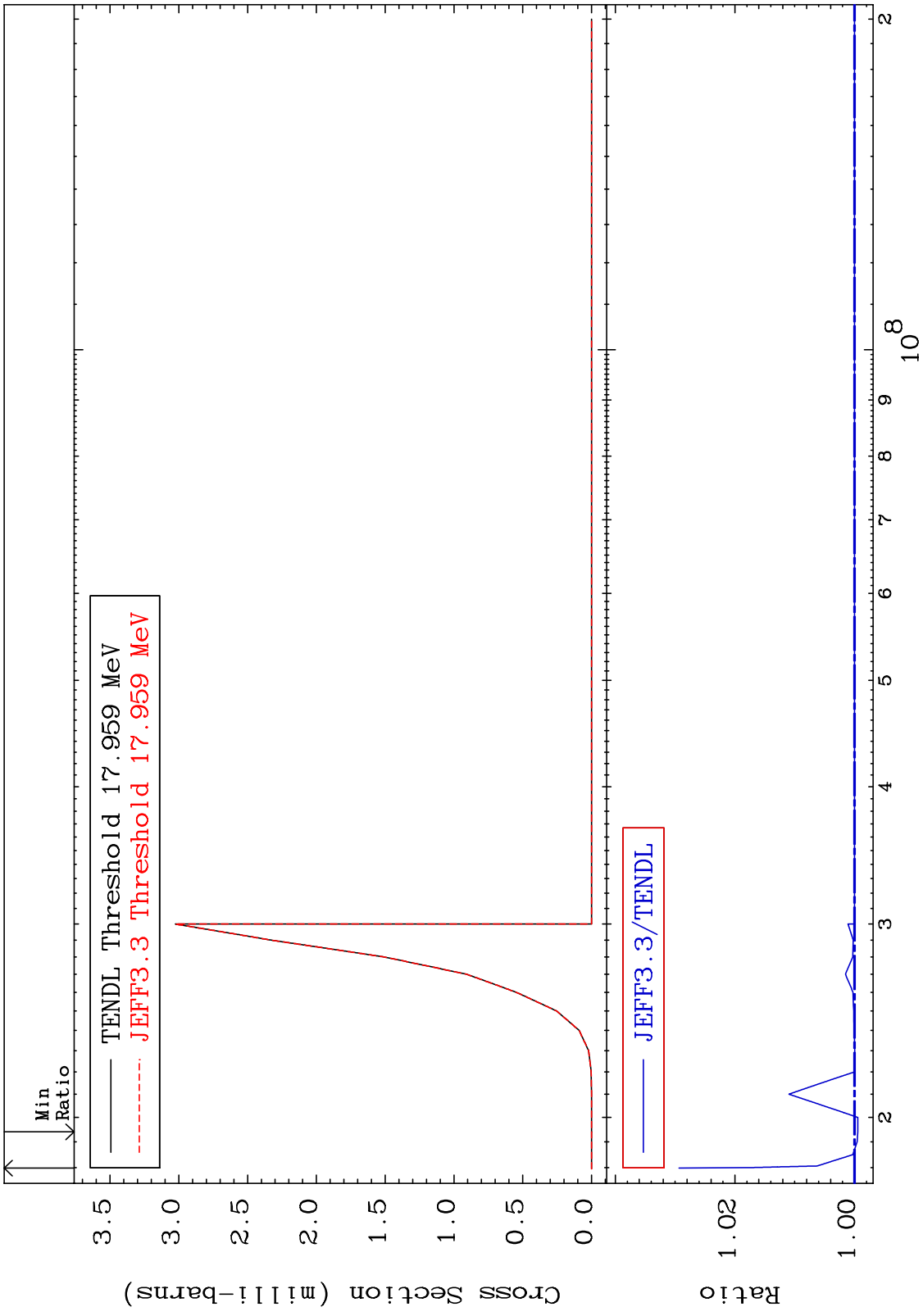
52-Te-126

Radionuclide Production Cross Section -0.646 To 0.000 %



MAT 5243 (n,2n) p:51-Sb-124g 52-Te-126
 Radionuclide Production Cross Section 0.000 To 6.869 %



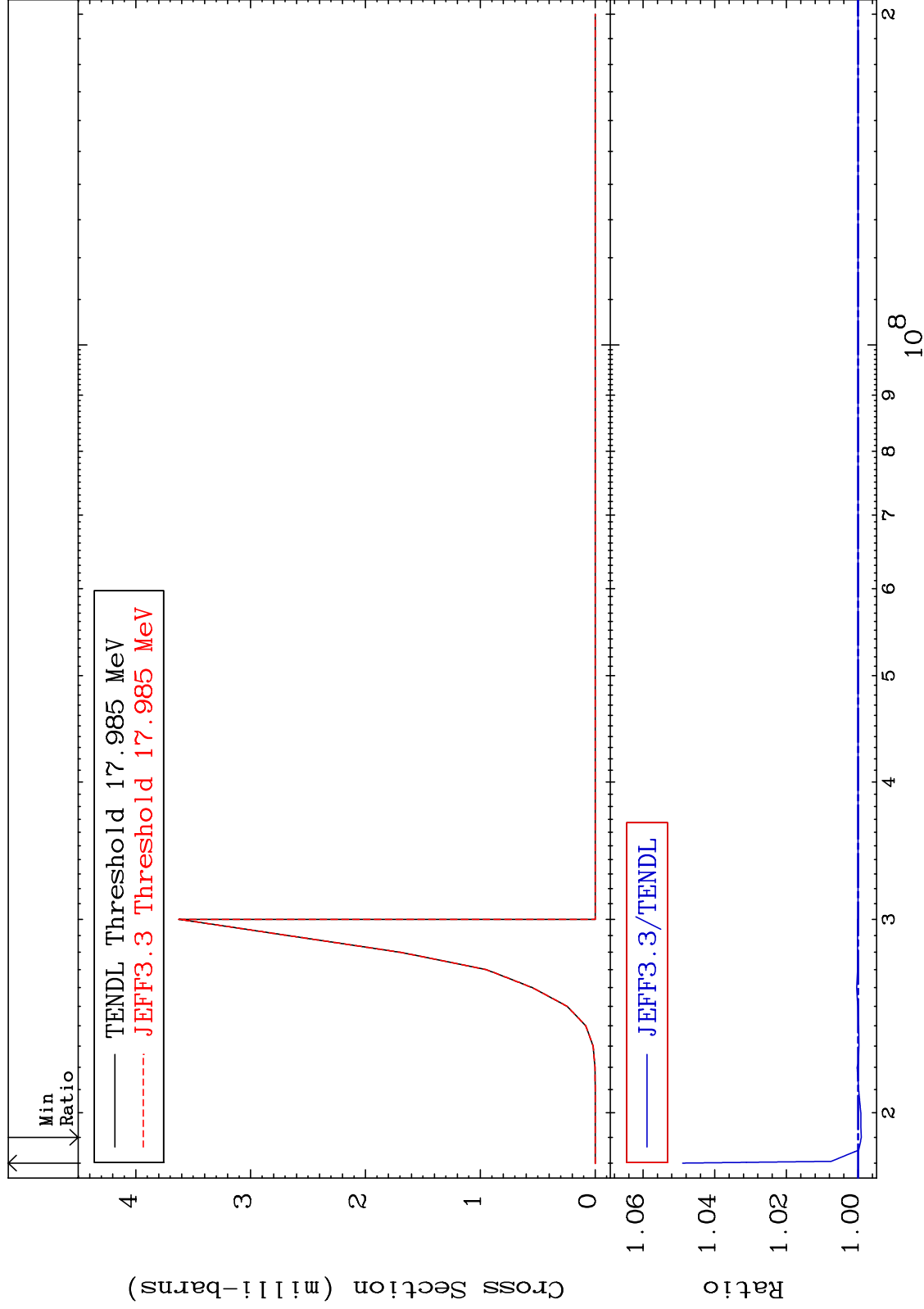


MAT 5243

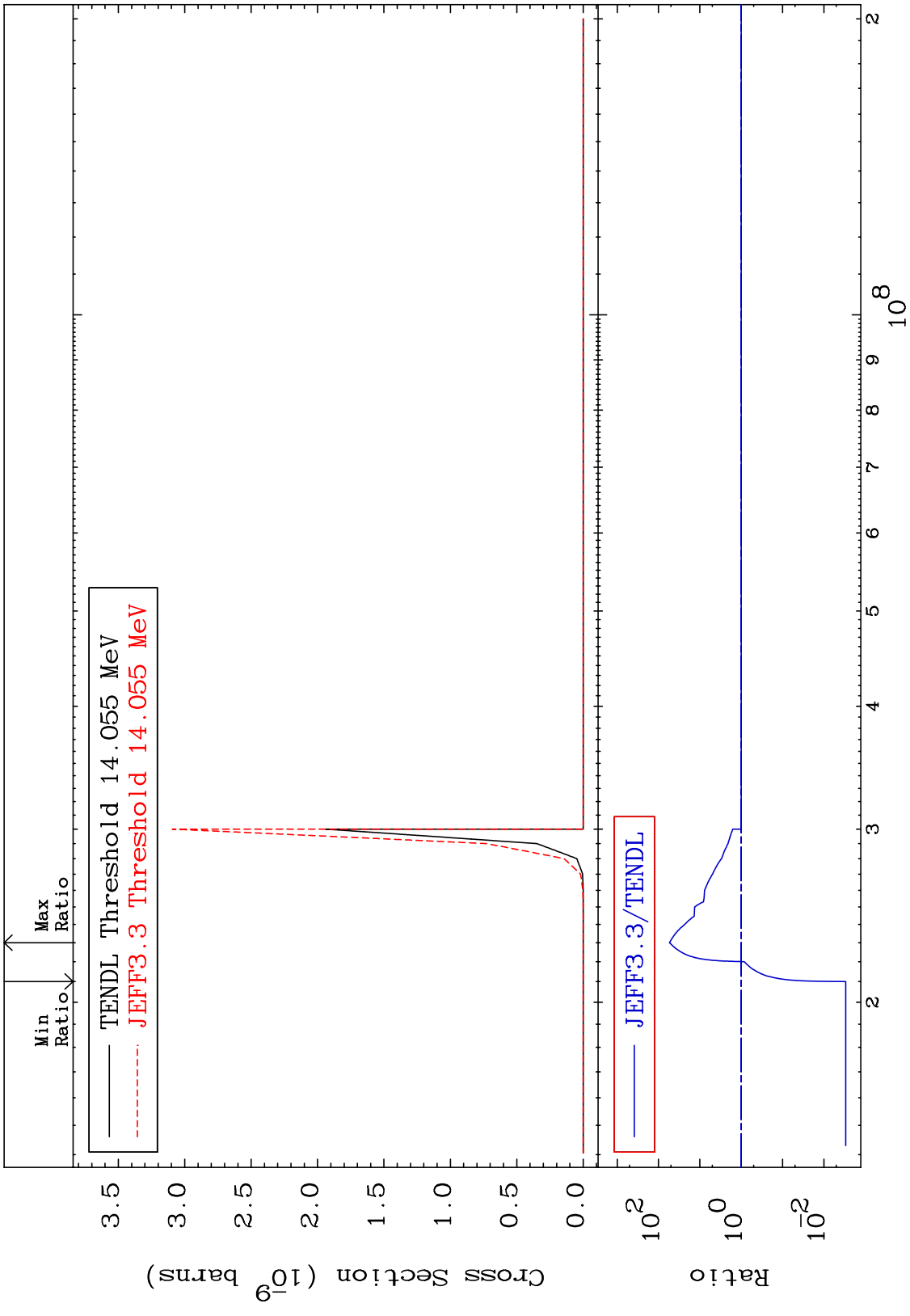
(n,2n) p:51-Sb-124m2

52-Te-126

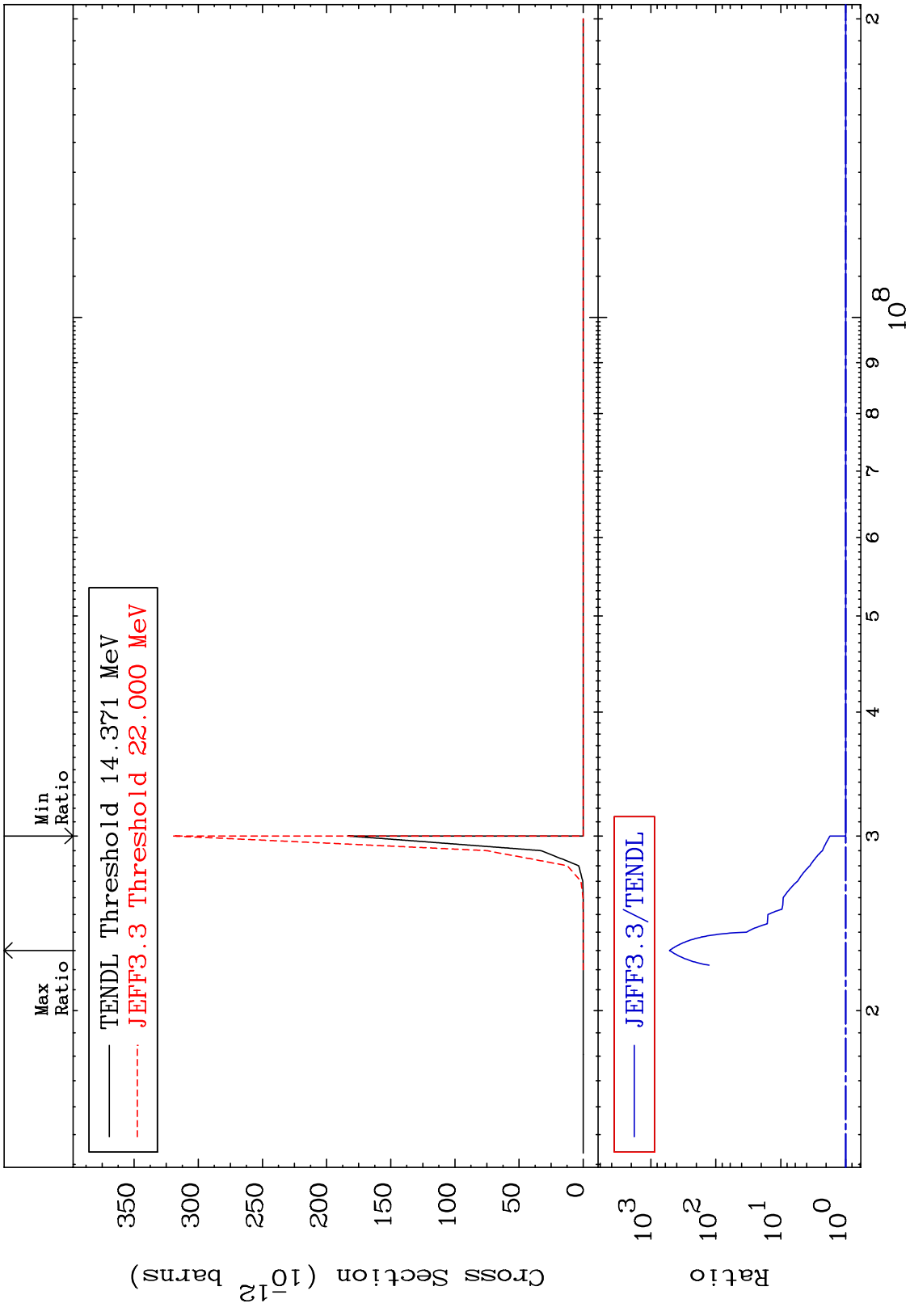
Radionuclide Production Cross Section -0.090 To 4.896 %



MAT 5243 (n,n') p α:49-In-121g 52-Te-126
 Radionuclide Production Cross Section -99.70 To 5324. %



MAT 5243 (n,n') p α:49-In-121m1 52-Te-126
 Radionuclide Production Cross Section 0.000 To 9999. %

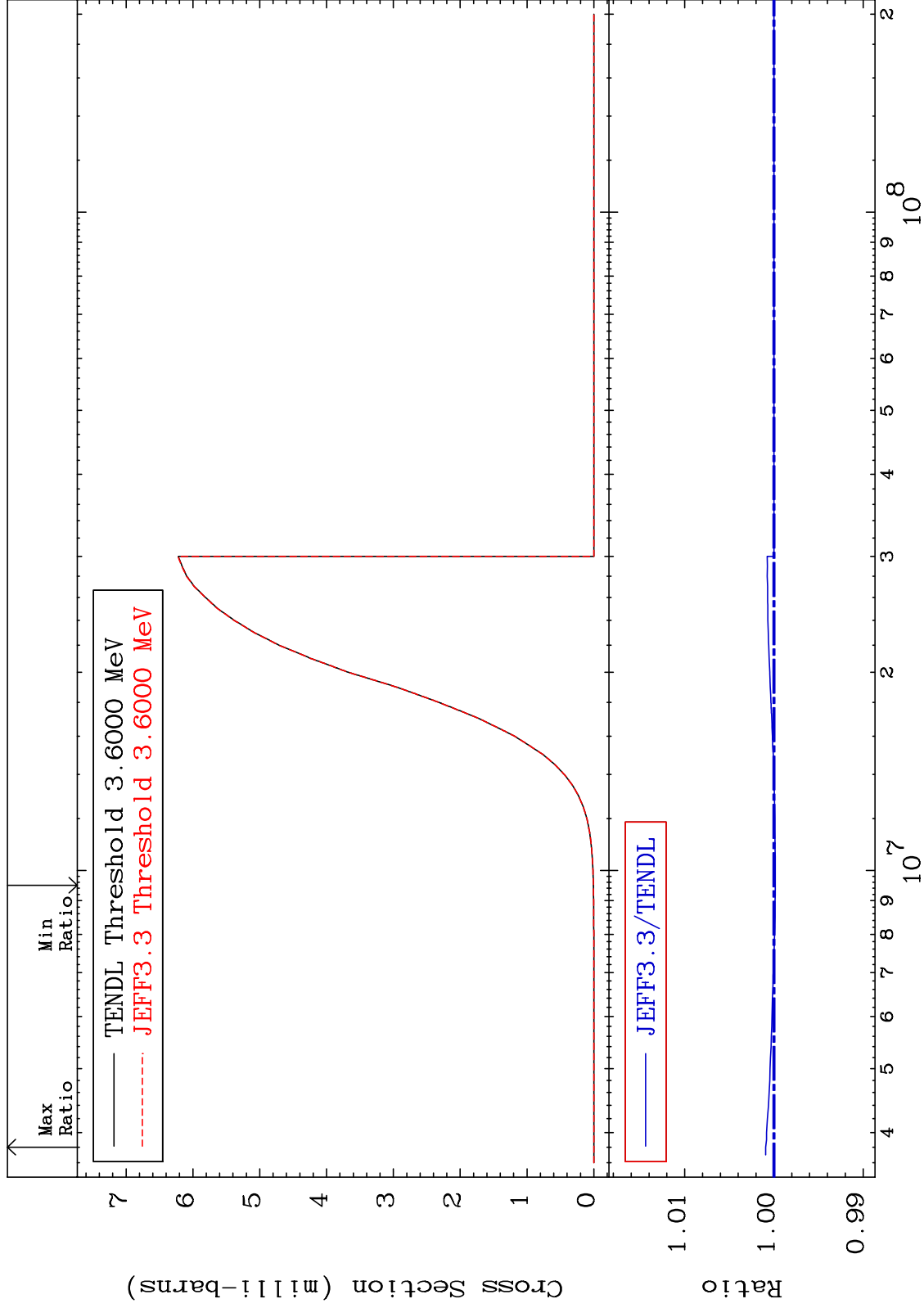


MAT 5243

(n,p):51-Sb-126g

52-Te-126

Radionuclide Production Cross Section -0.015 To 0.091 %



87

Incident Energy (eV)

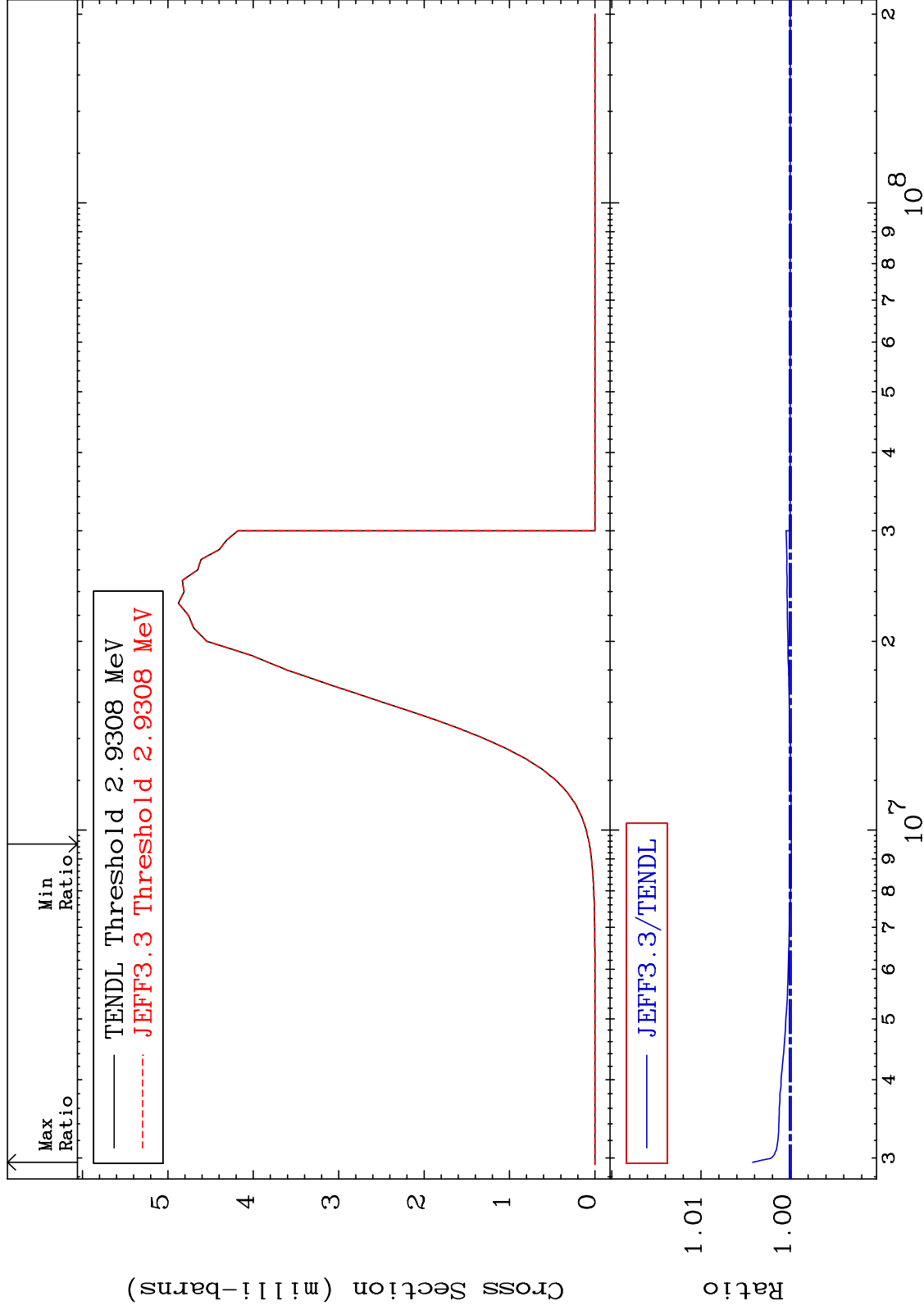
52-Te-126

MAT 5243

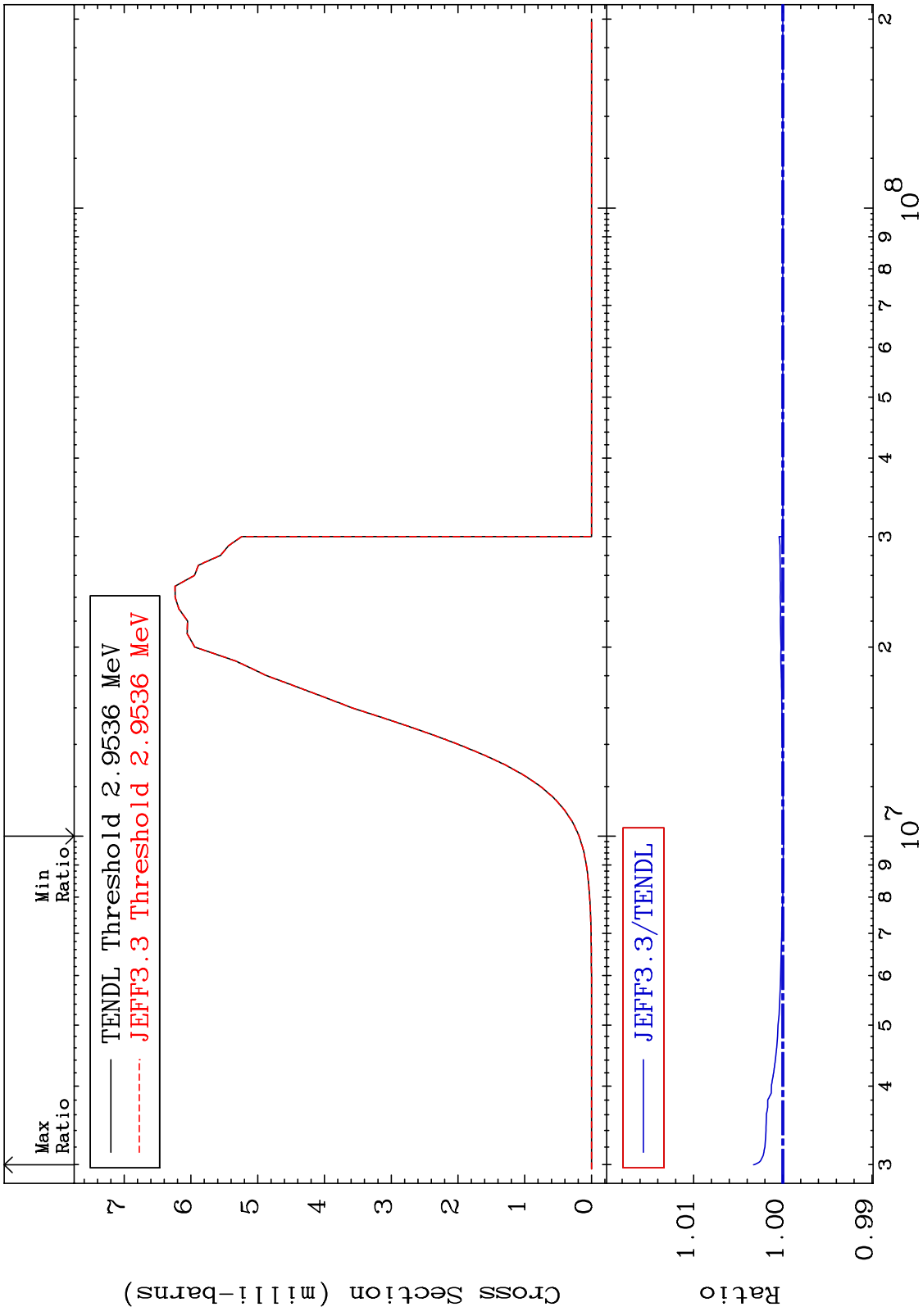
(n, p) : 51-Sb-126m1

52-Te-126

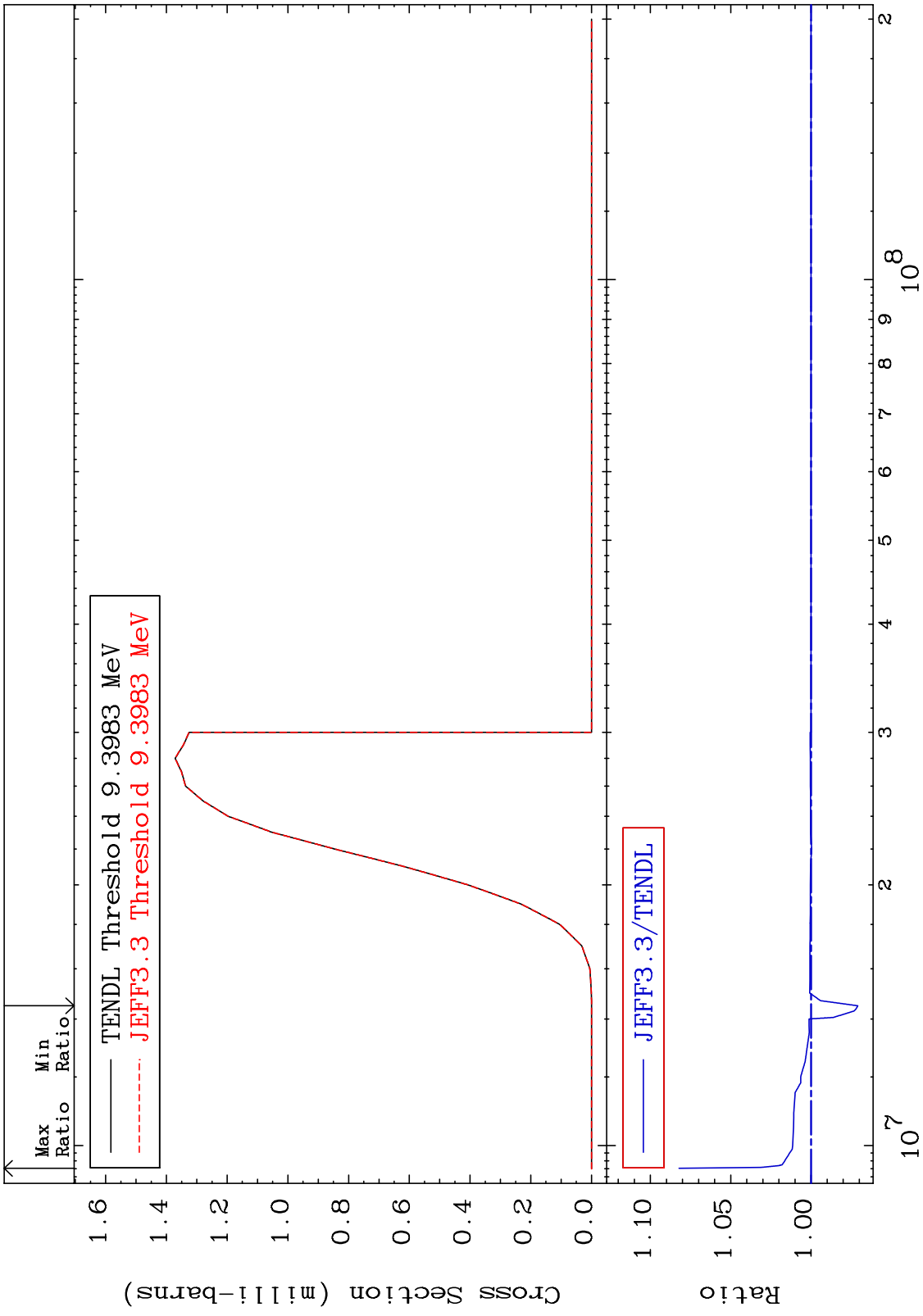
Radionuclide Production Cross Section -0.011 To 0.424 %



MAT 5243 (n,p):51-Sb-126m2 52-Te-126
 Radionuclide Production Cross Section -0.007 To 0.328 %



MAT 5243 (n,t):51-Sb-124g 52-Te-126
Radionuclide Production Cross Section -2.909 To 8.217 %



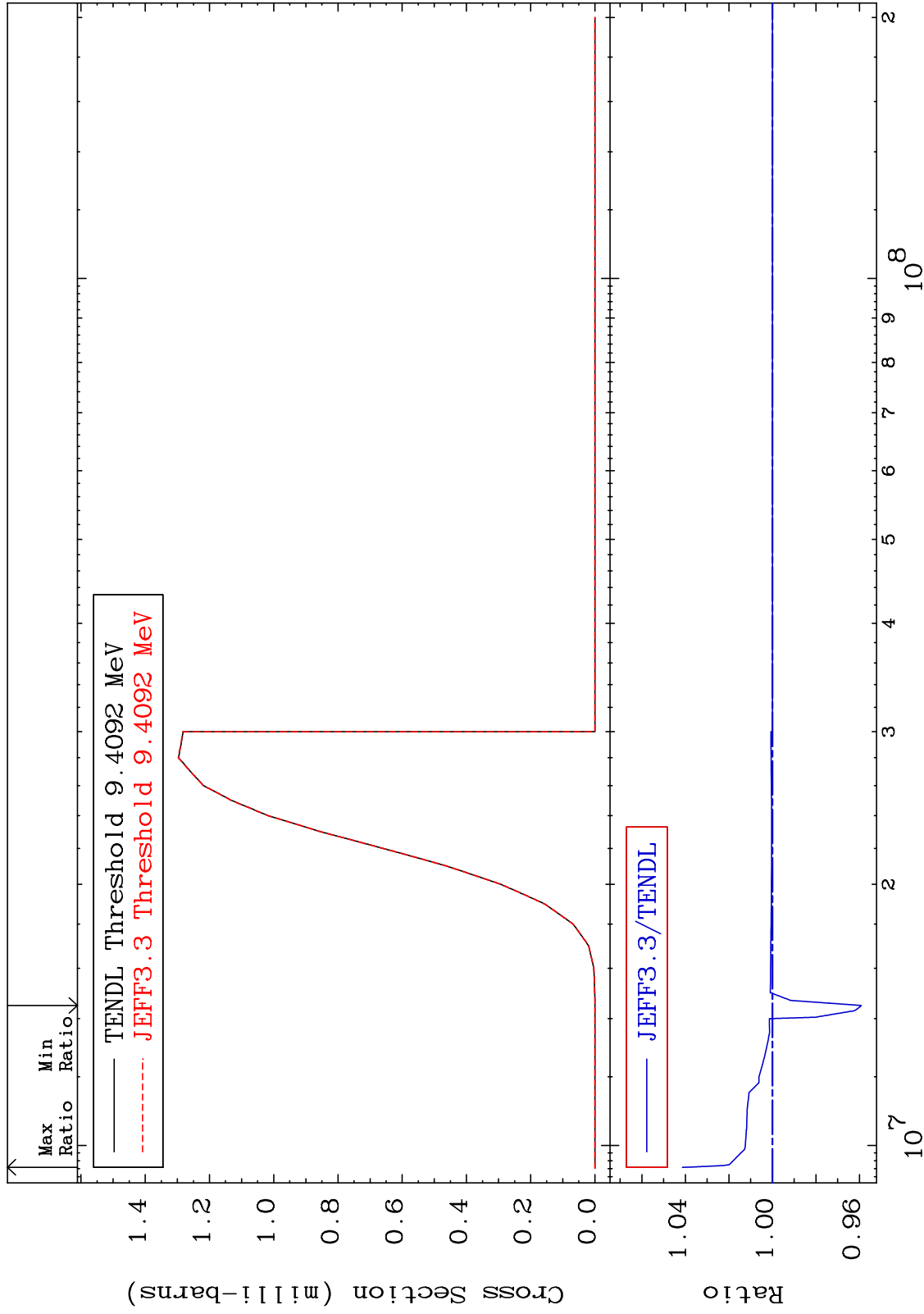
90 52-Te-126

MAT 5243

(n, t):51-Sb-124m1

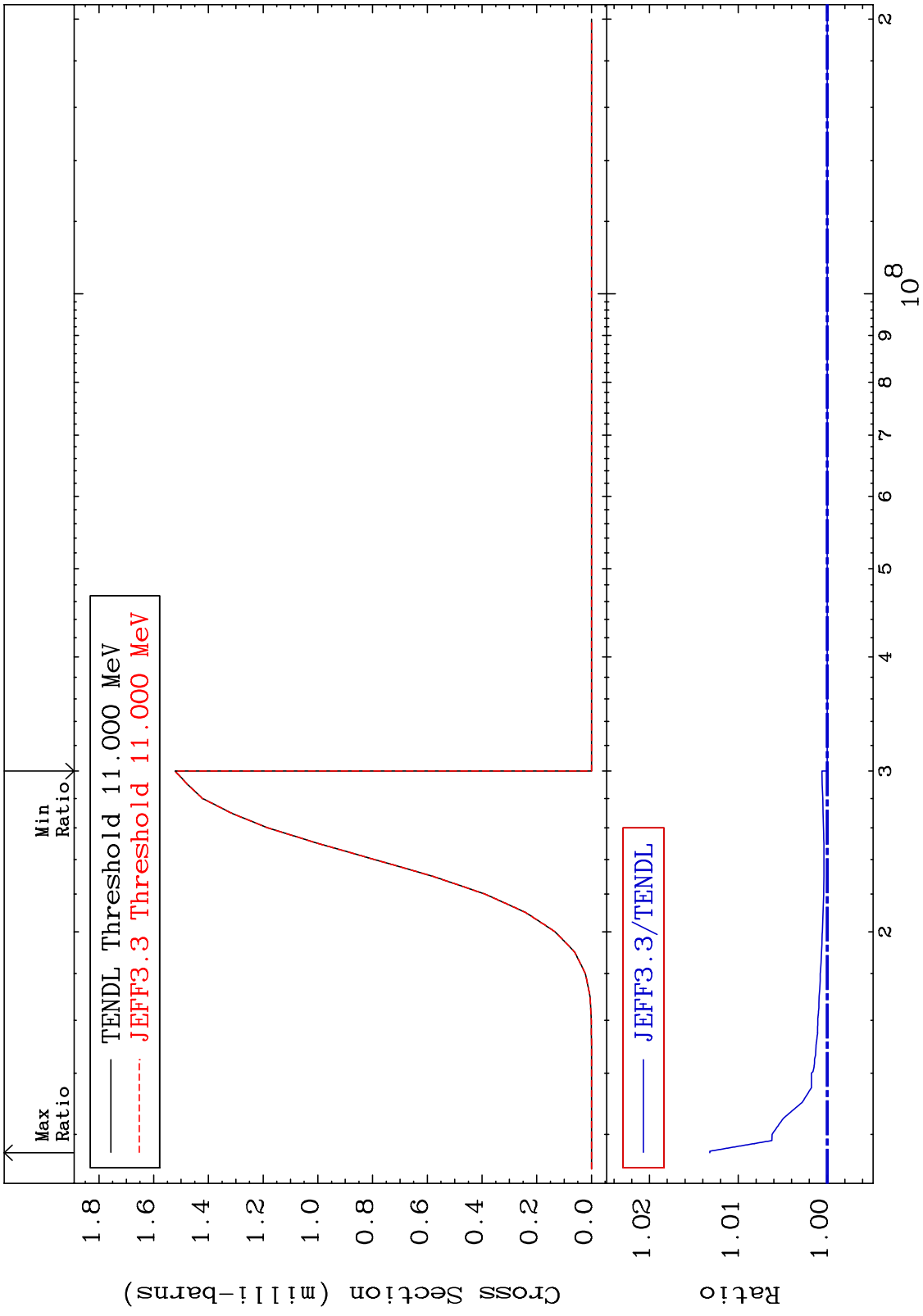
52-Te-126

Radionuclide Production Cross Section -4.085 To 4.136 %



52-Te-126

MAT 5243 (n,t):51-Sb-124m2 52-Te-126
 Radionuclide Production Cross Section 0.000 To 1.321 %

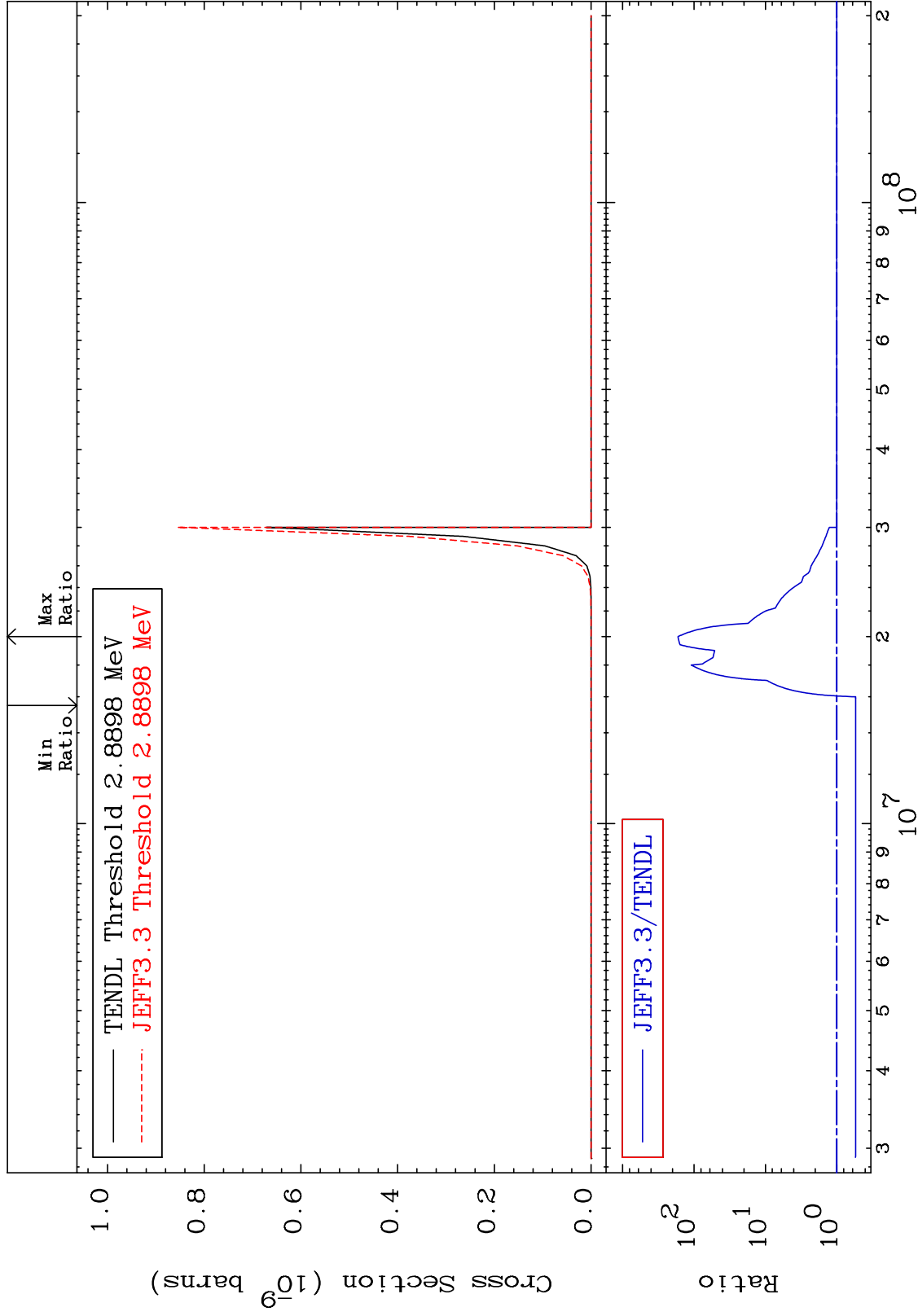


MAT 5243

(n,2α):48-Cd-119g

52-Te-126

Radionuclide Production Cross Section -45.53 To 9999. %



93

Incident Energy (eV)

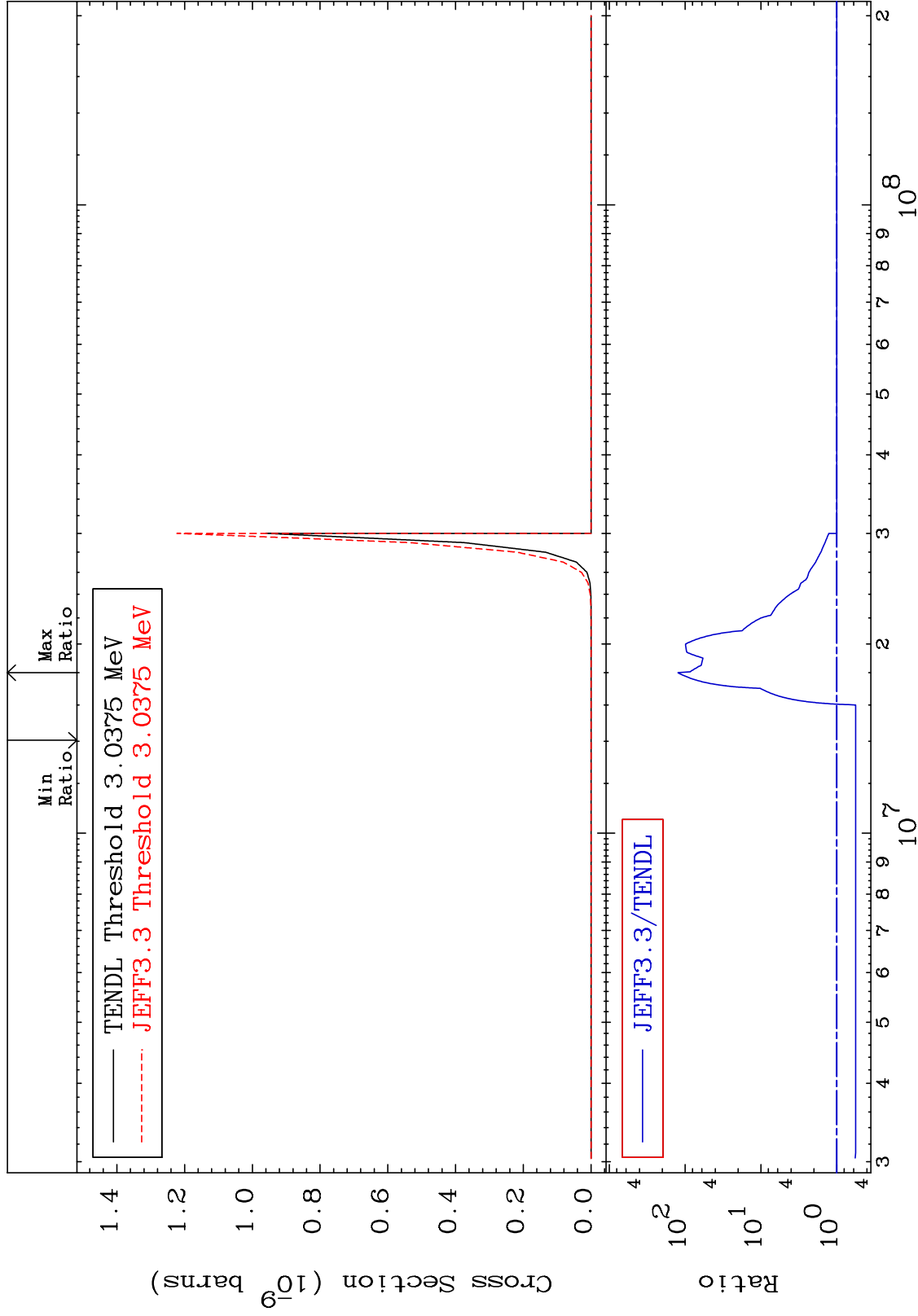
52-Te-126

MAT 5243

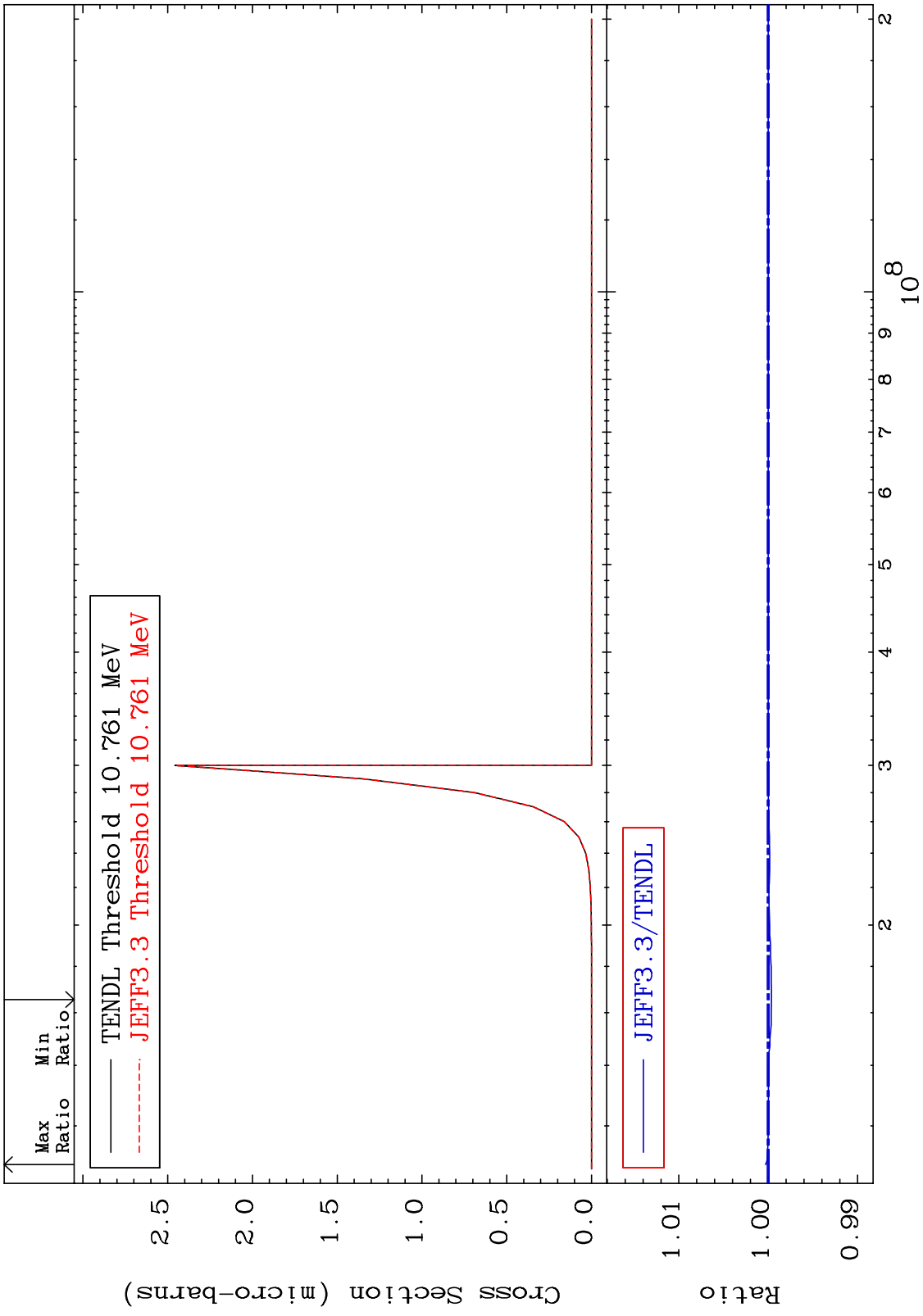
(n,2α) : 48-Cd-119m2

52-Te-126

Radionuclide Production Cross Section -43.69 To 9999. %



MAT 5243 (n,2p):50-Sn-125g 52-Te-126
 Radionuclide Production Cross Section -0.035 To 0.031 %

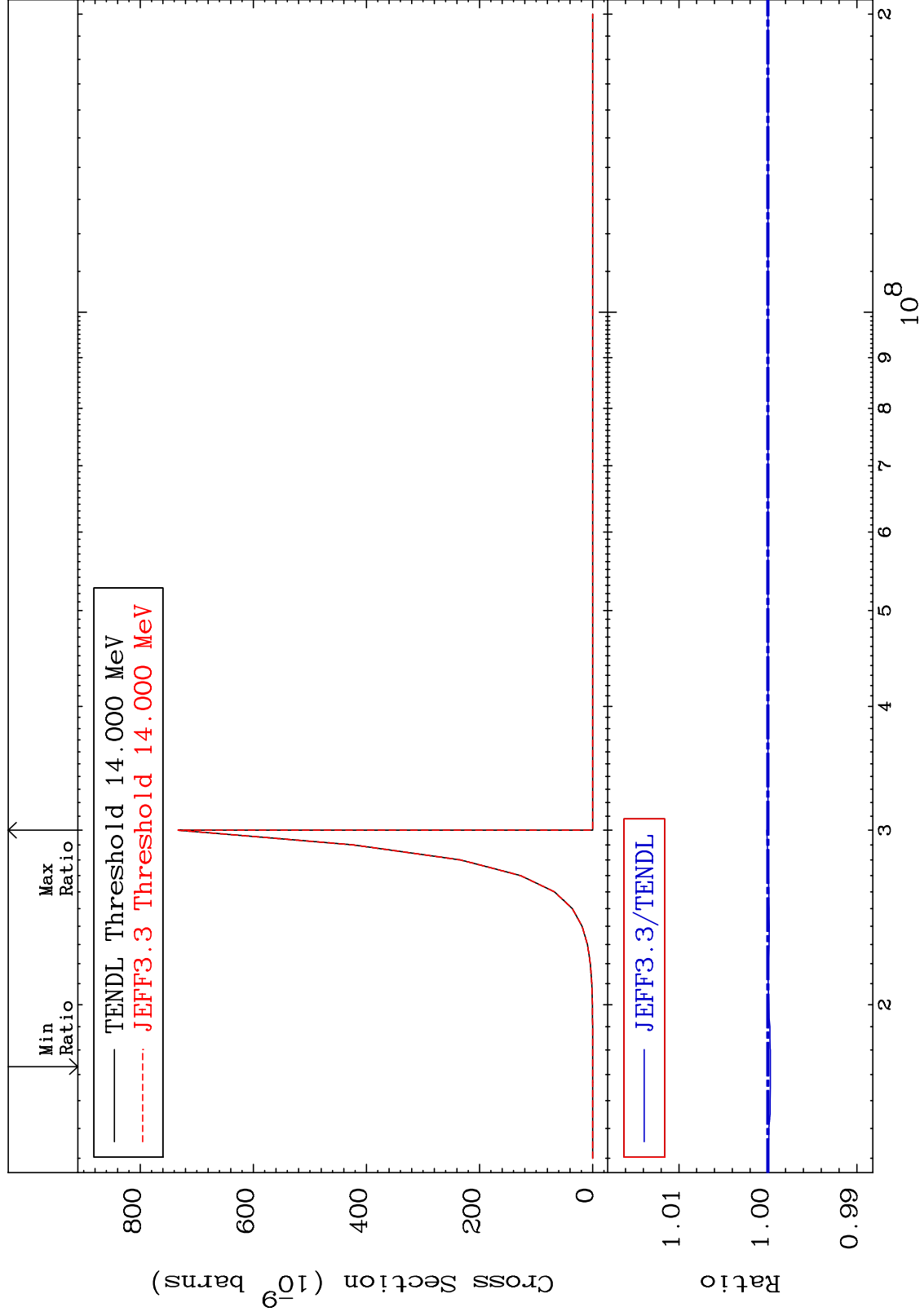


MAT 5243

(n,2p):50-Sn-125m1

52-Te-126

Radionuclide Production Cross Section -0.029 To 0.011 %



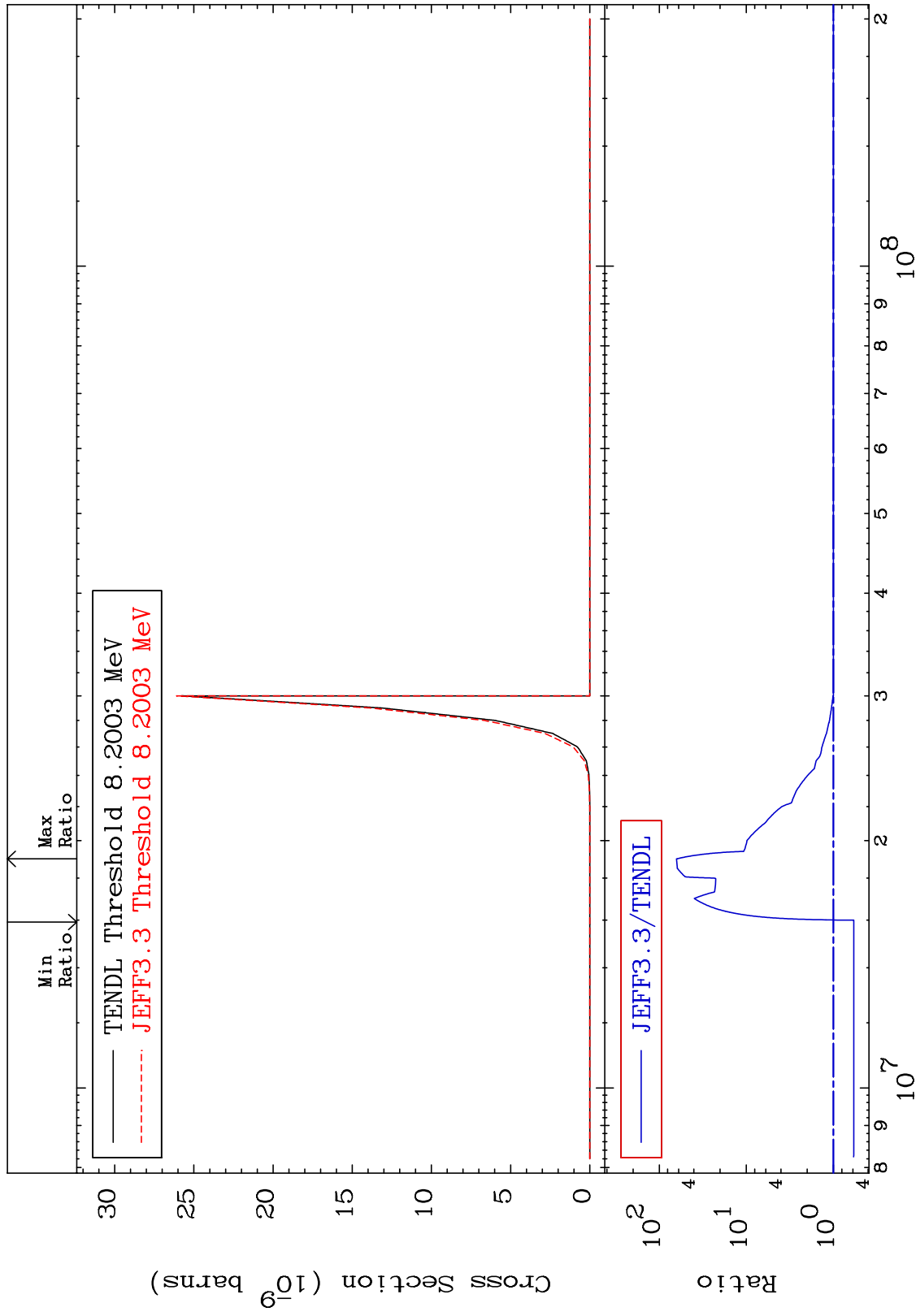
96

Incident Energy (eV)

52-Te-126

MAT 5243

(n,p) α : 49-In-122g 52-Te-126
Radionuclide Production Cross Section -41.58 To 6232. %

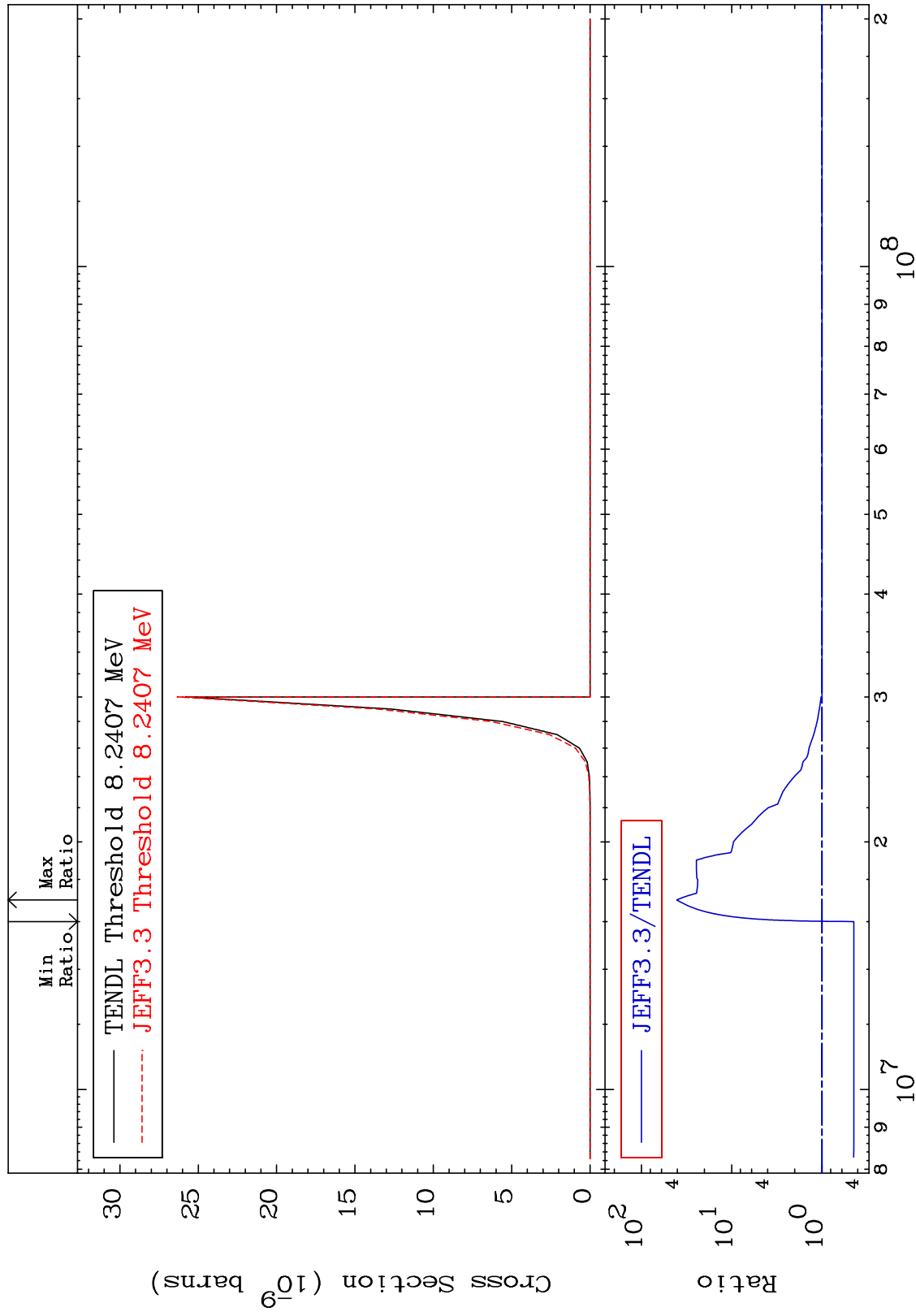


MAT 5243

(n, p) α :49-In-122m1

52-Te-126

Radionuclide Production Cross Section -55.77 To 3959. %



98

Incident Energy (eV)

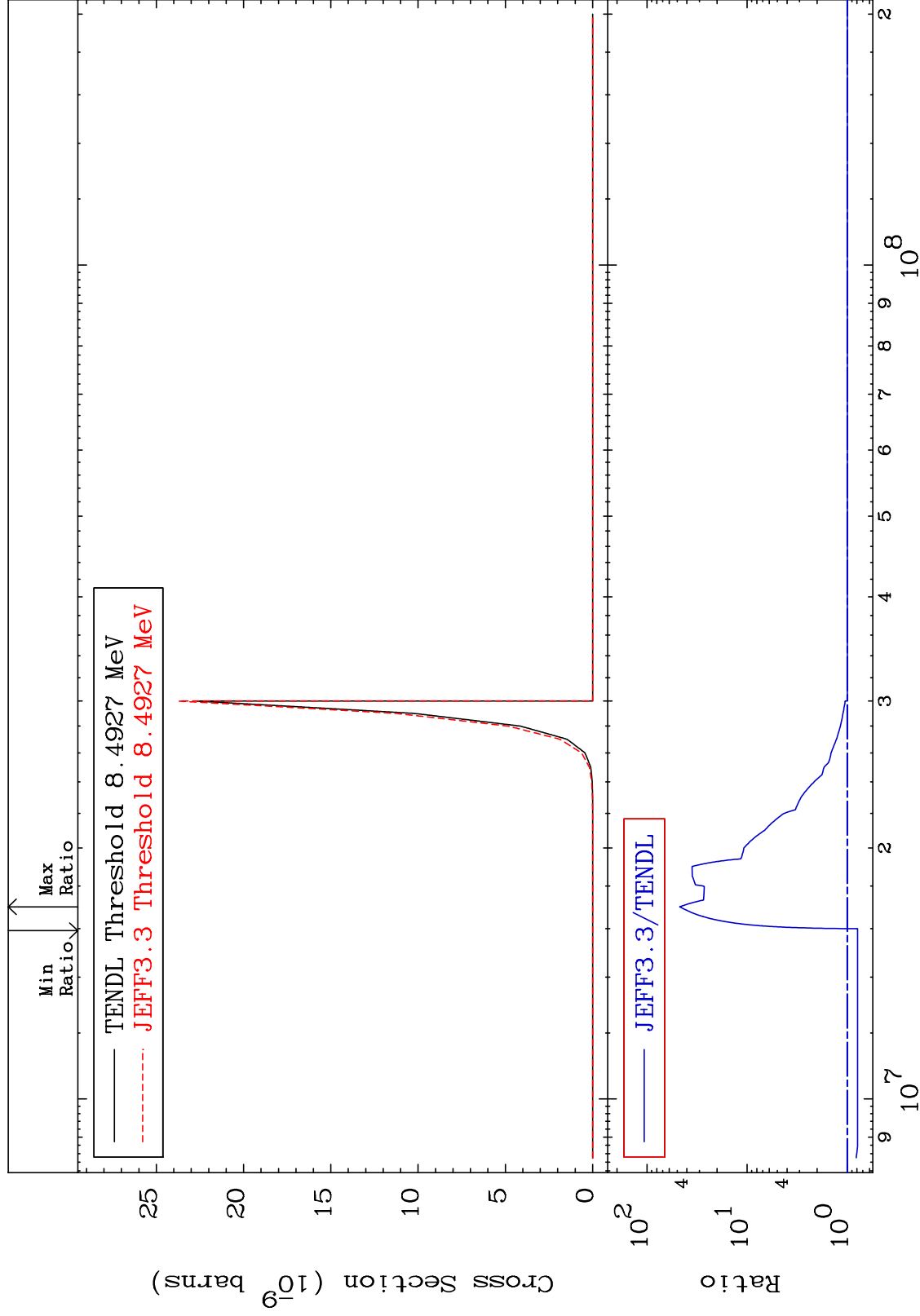
52-Te-126

MAT 5243

(n,p) α :49-In-122m5

52-Te-126

Radionuclide Production Cross Section -21.24 To 4620. %



99

Incident Energy (eV)

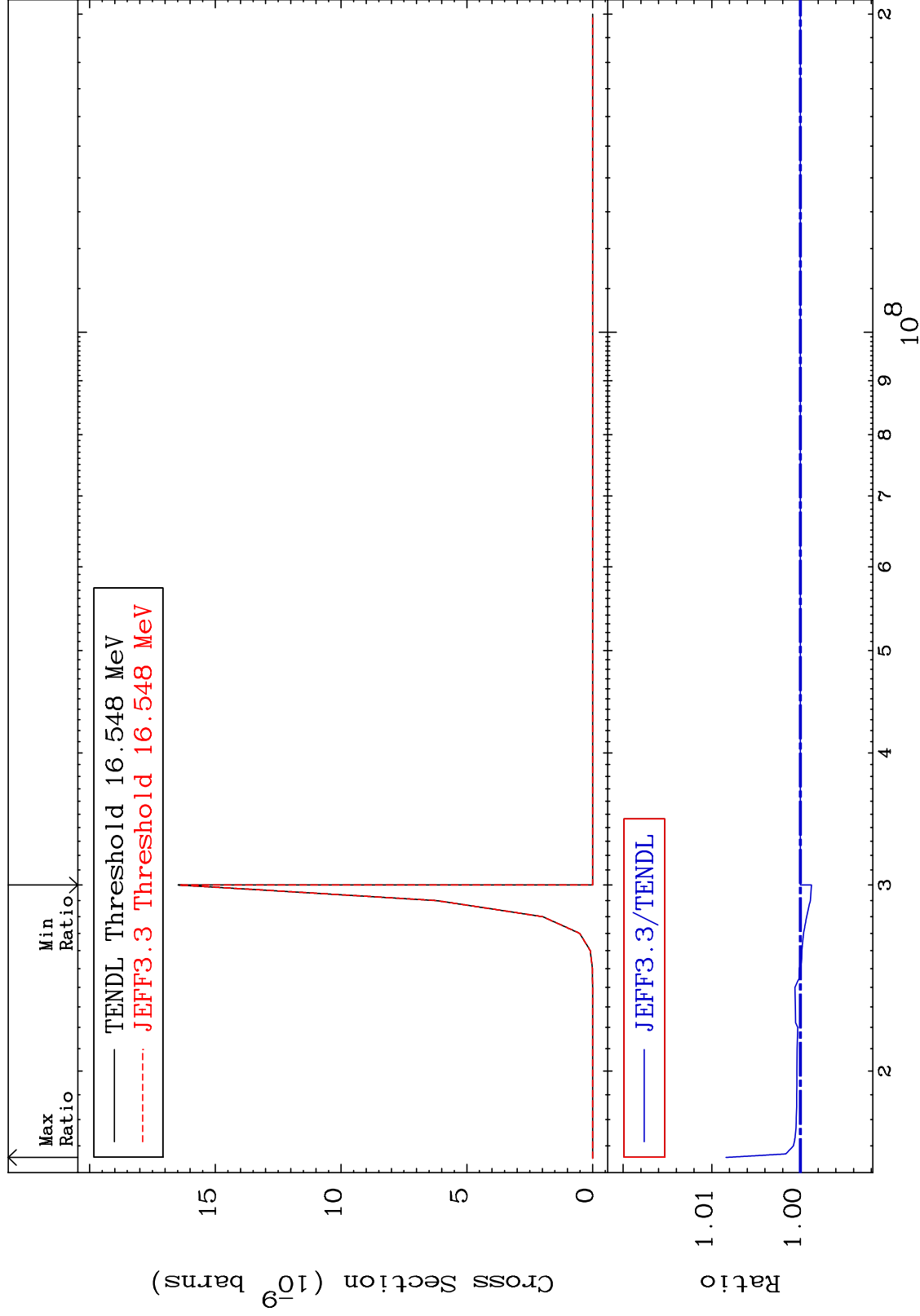
52-Te-126

MAT 5243

(n,p) t:50-Sn-123g

52-Te-126

Radionuclide Production Cross Section -0.124 To 0.840 %



100

Incident Energy (eV)

52-Te-126

MAT 5243 (n,p) t:50-Sn-123m1 52-Te-126
 Radionuclide Production Cross Section 0.000 To 0.591 %

