

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

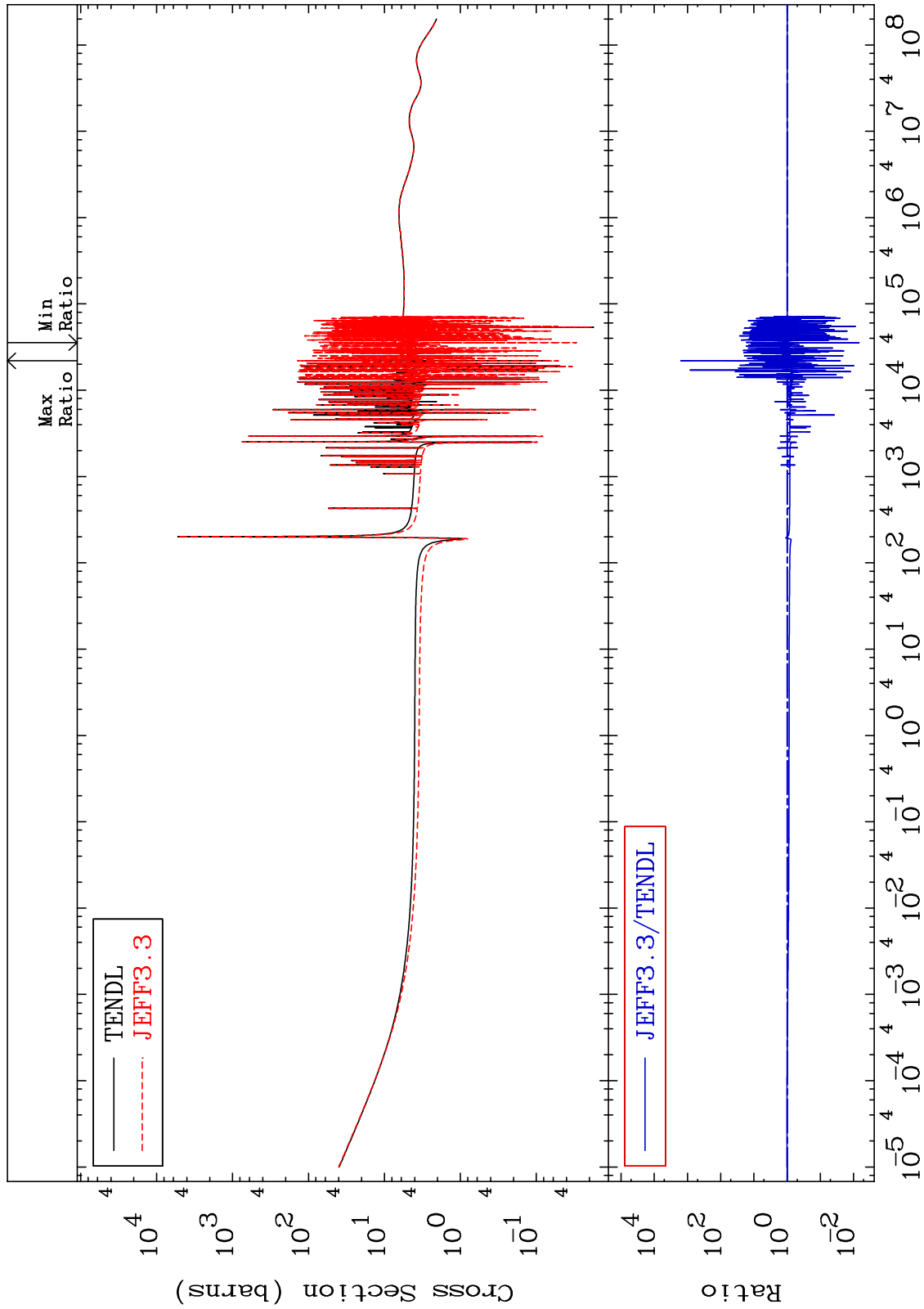
MAT 5243

Total

52-Te-126

Cross Section

-99.31 To 9999. %



1

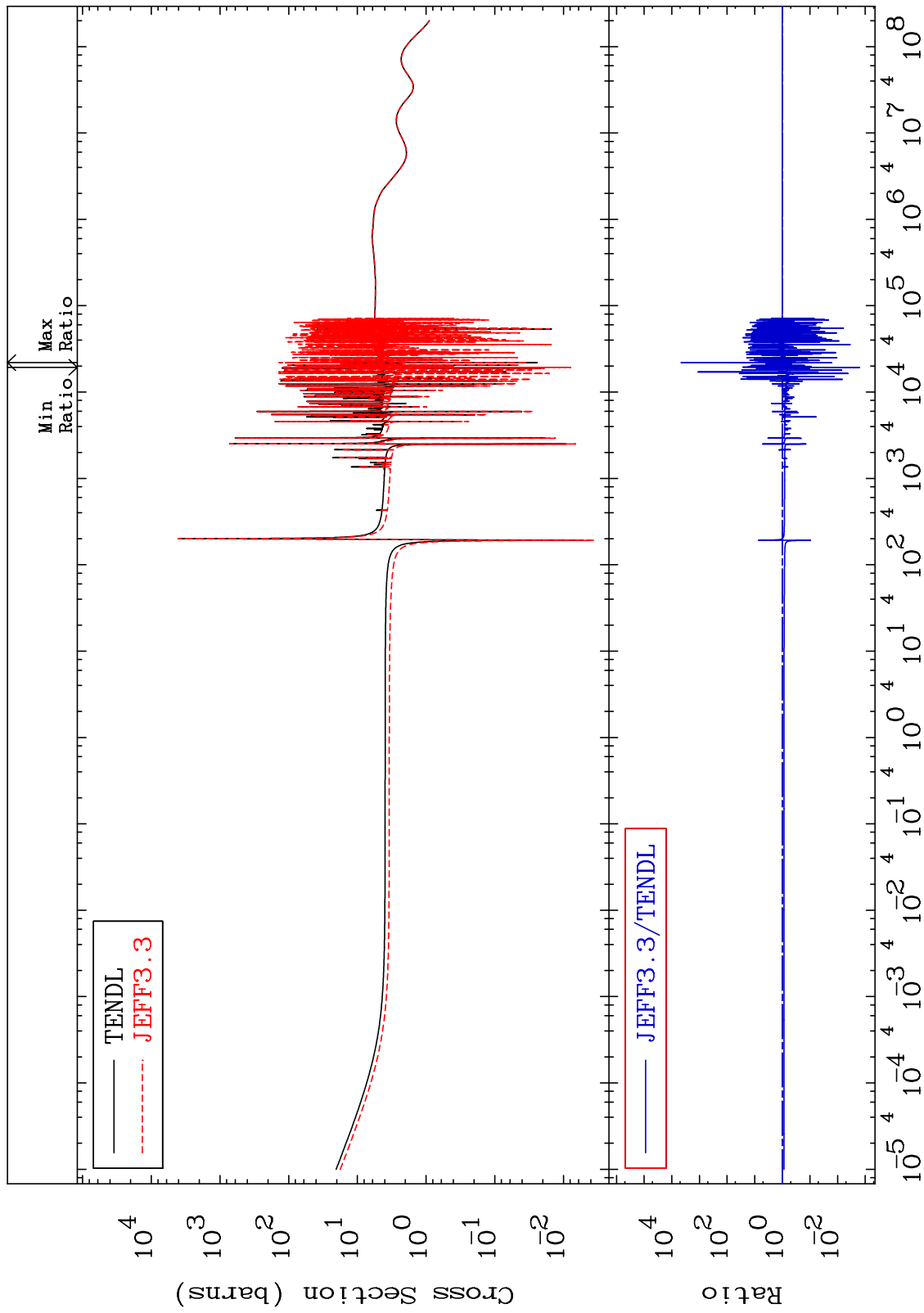
Incident Energy (eV)

52-Te-126

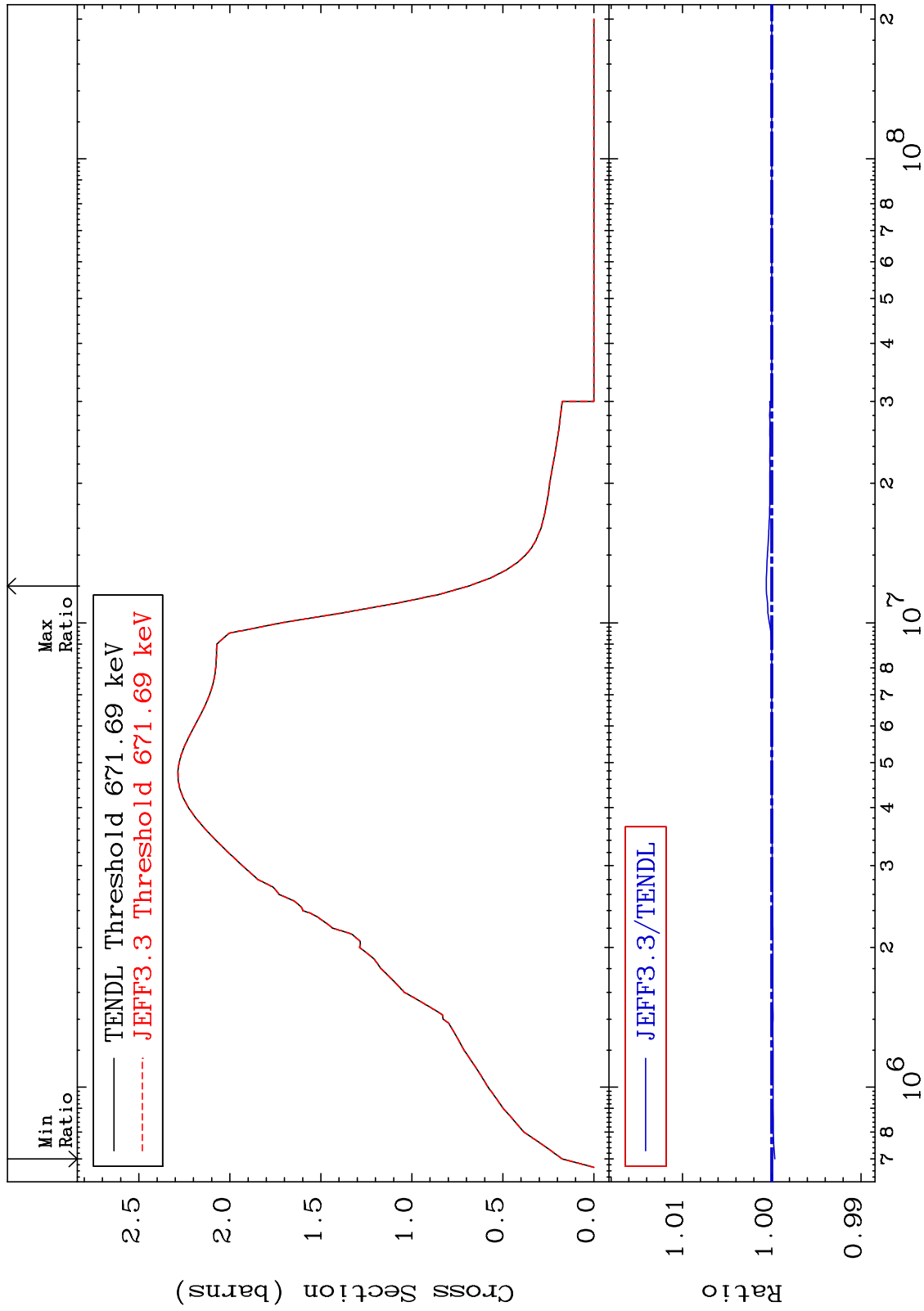
MAT 5243

Elastic
Cross Section

52-Te-126
-99.84 To 9999. %

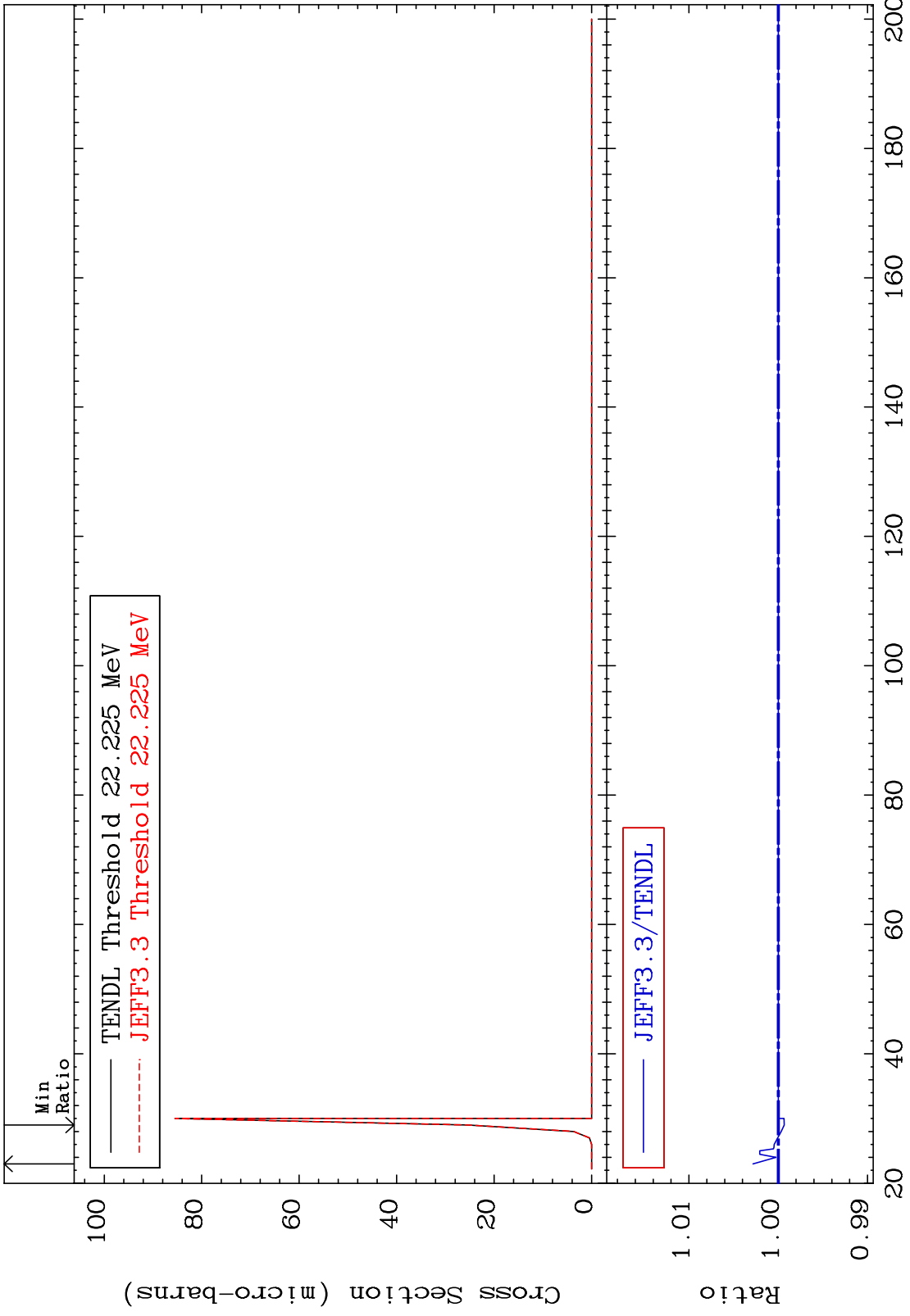


MAT 5243 Inelastic Cross Section 52-Te-126 -0.035 To 0.061 %

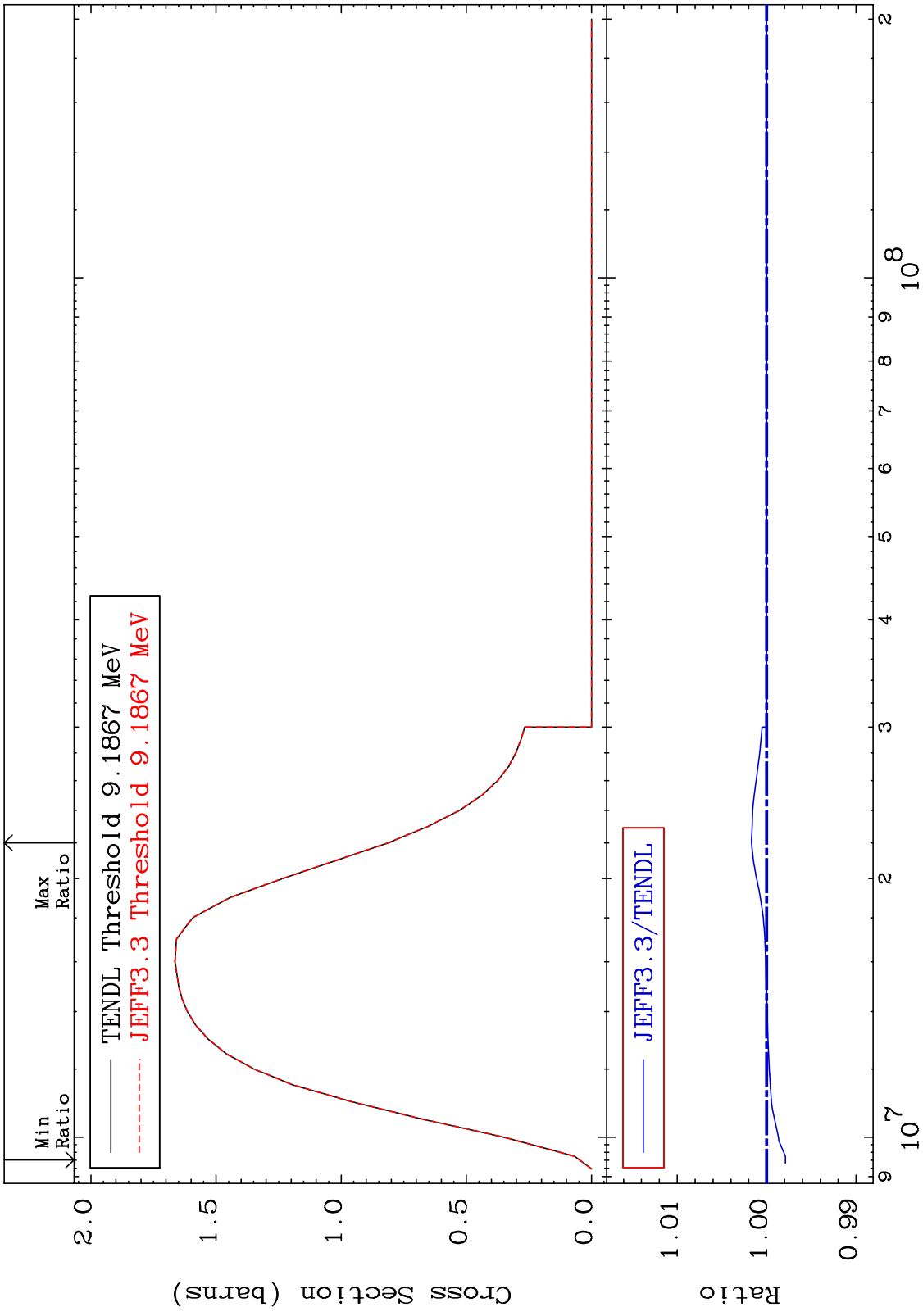


3 Incident Energy (eV) 52-Te-126

MAT 5243 (n,2n) d 52-Te-126
Cross Section -0.067 To 0.284 %

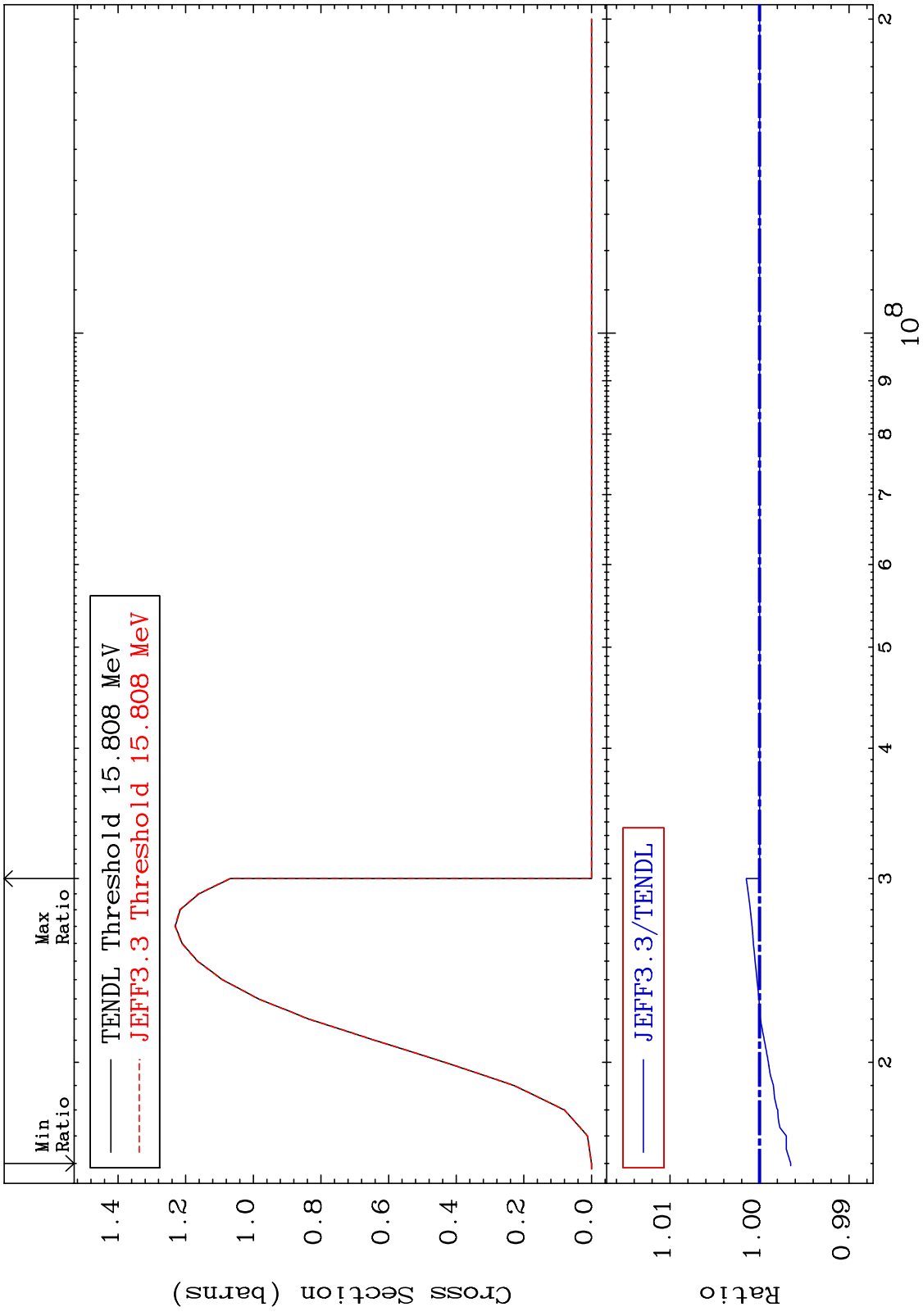


MAT 5243 (n,2n) Cross Section 52-Te-126 -0.210 To 0.170 %



52-Te-126

MAT 5243 (n,3n) 52-Te-126
 Cross Section -0.348 To 0.149 %



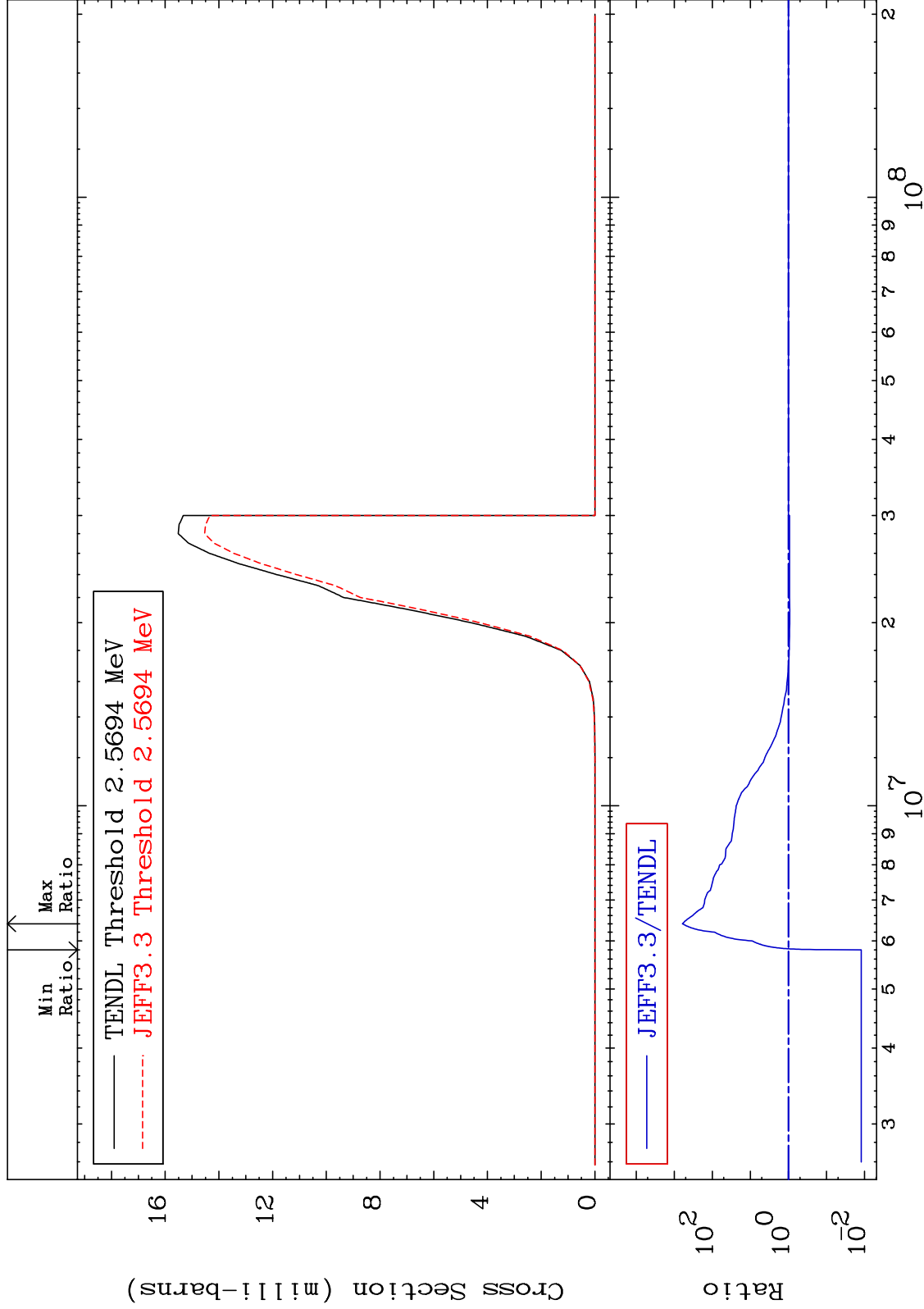
MAT 5243

(n, n') α

52-Te-126

-98.78 To 9999. %

Cross Section

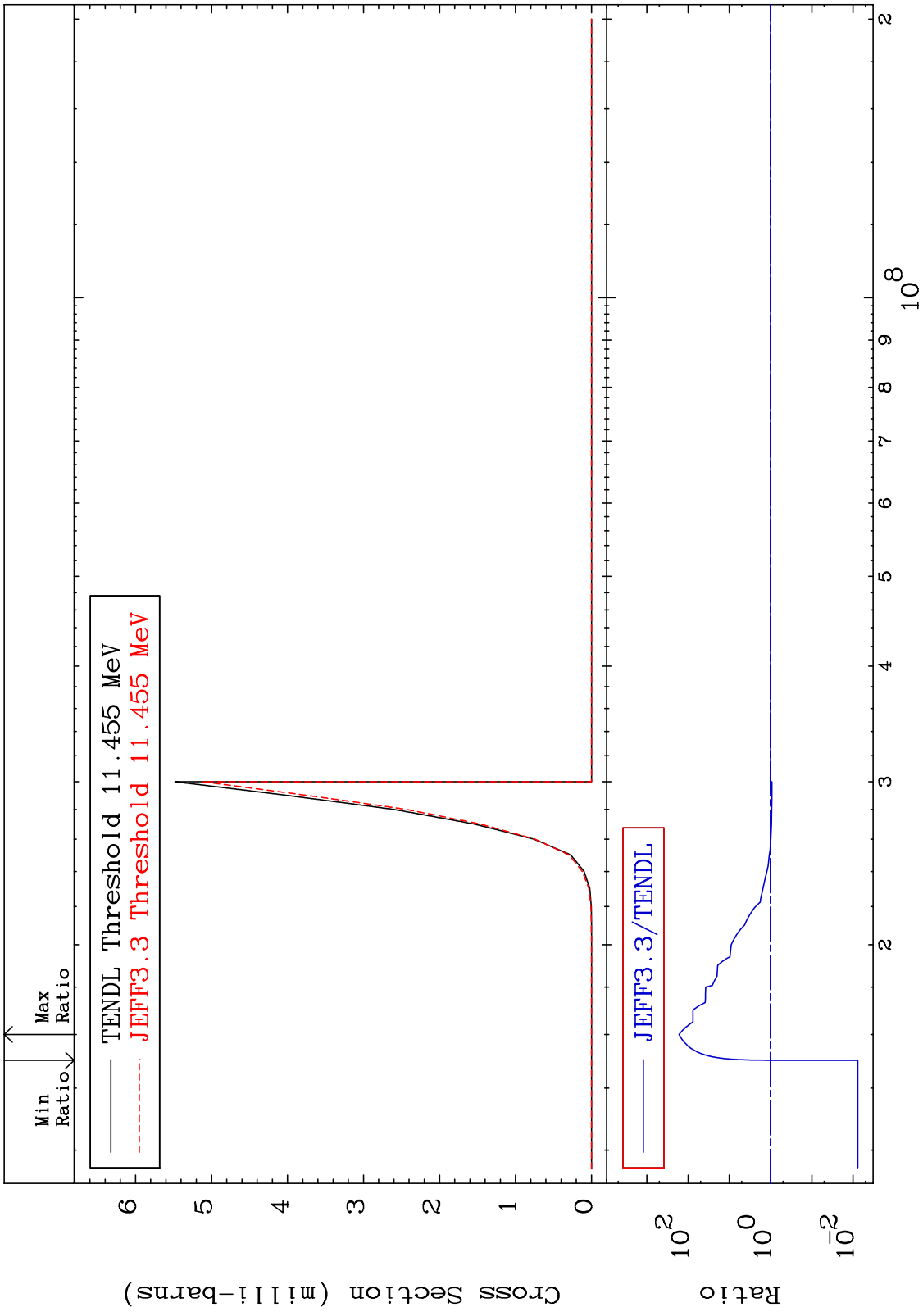


7

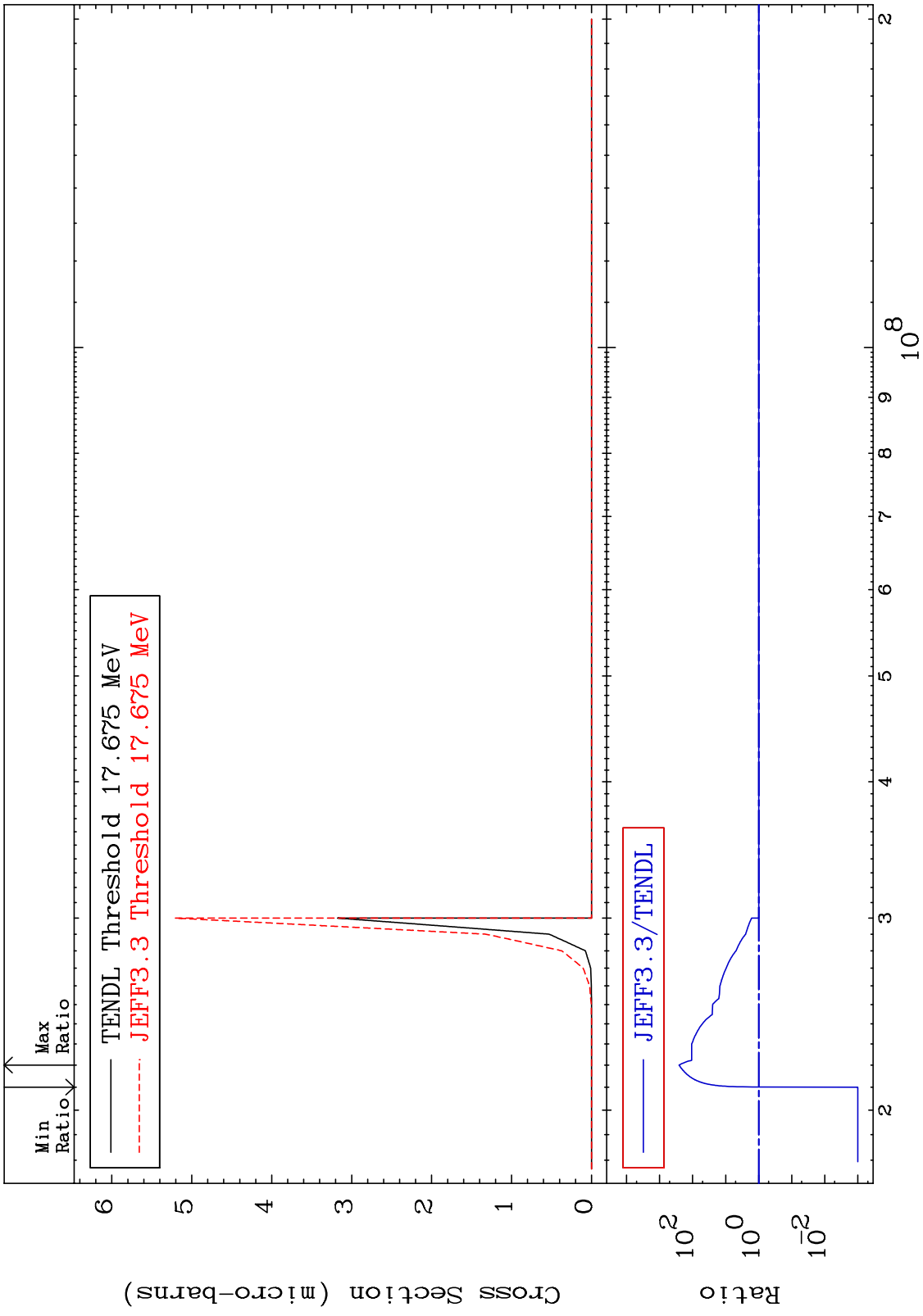
Incident Energy (eV)

52-Te-126

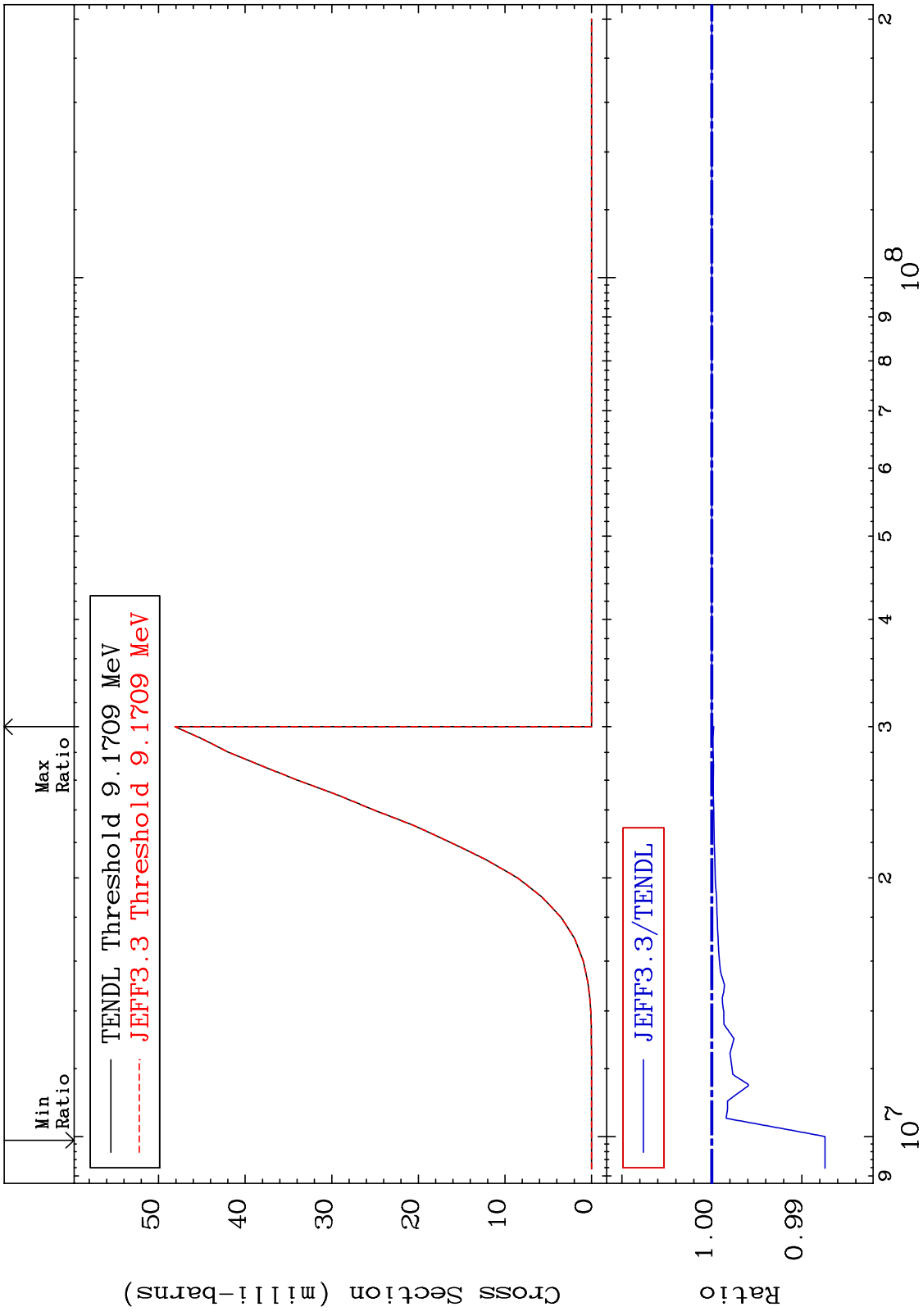
MAT 5243 (n,2n) α 52-Te-126
 Cross Section -99.24 To 9999. %



MAT 5243 (n,3n) α 52-Te-126
 Cross Section -99.90 To 9999. %

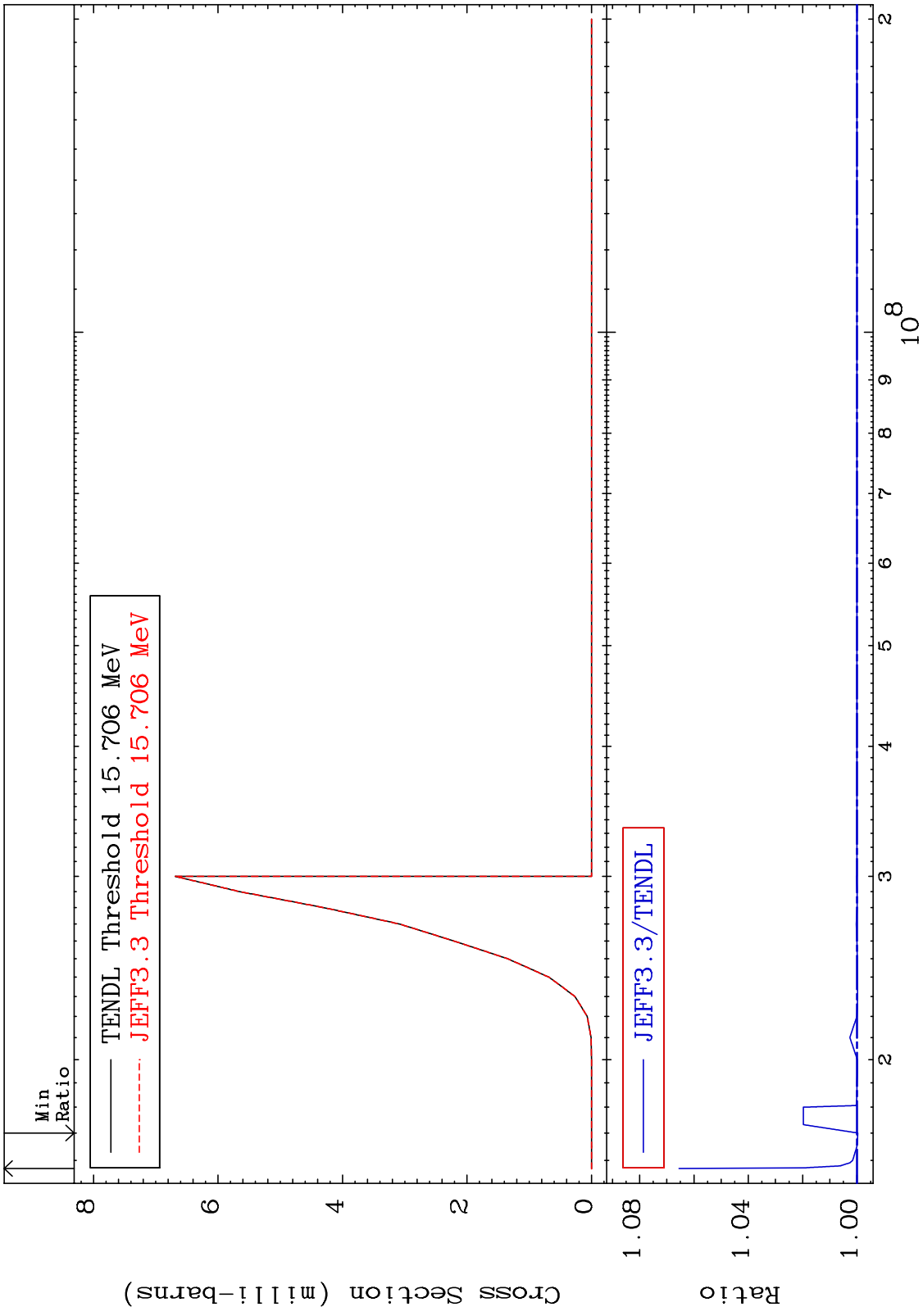


MAT 5243 (n, n') p 52-Te-126
 Cross Section -1.259 To 0.000 %

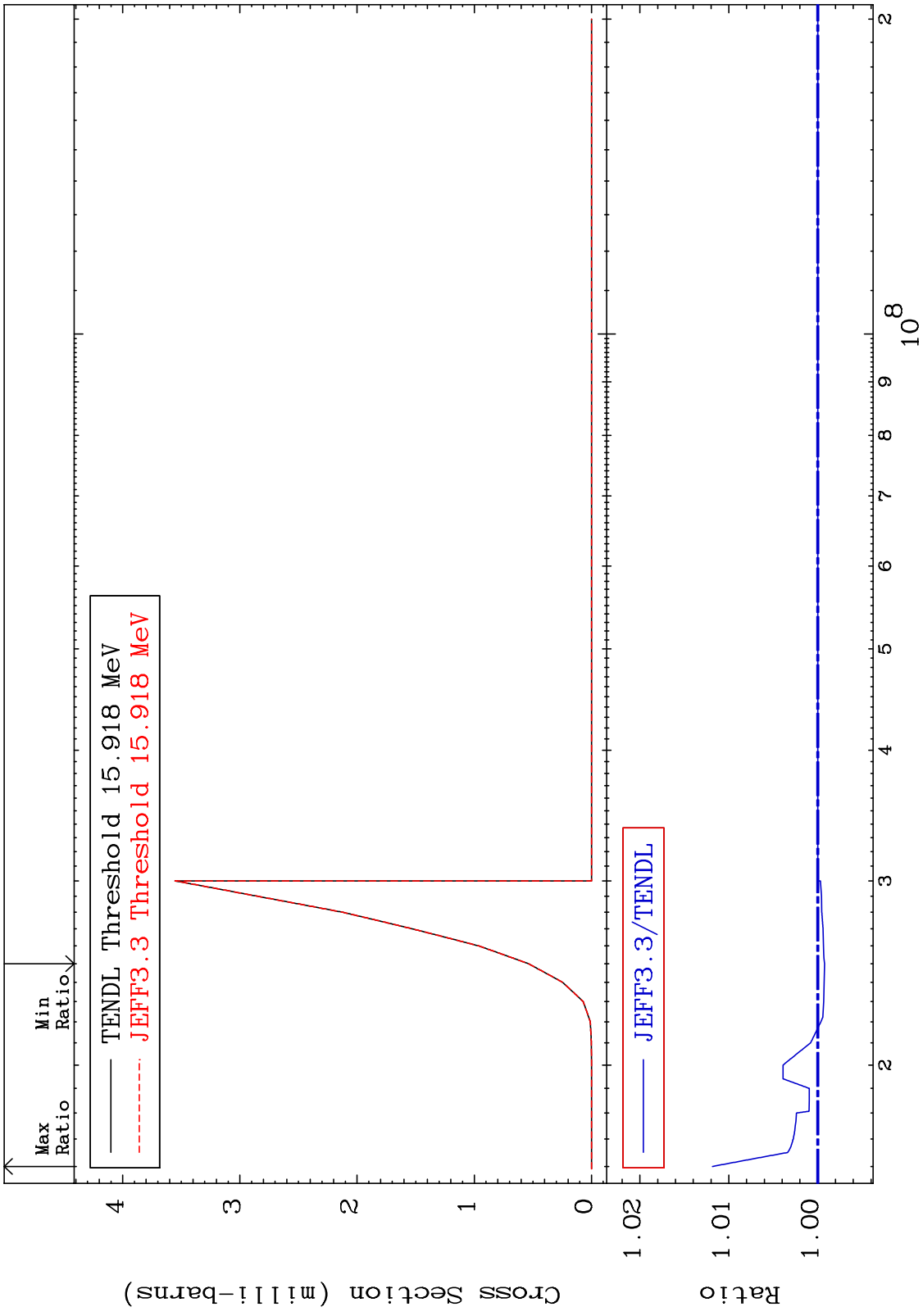


Incident Energy (eV) 52-Te-126

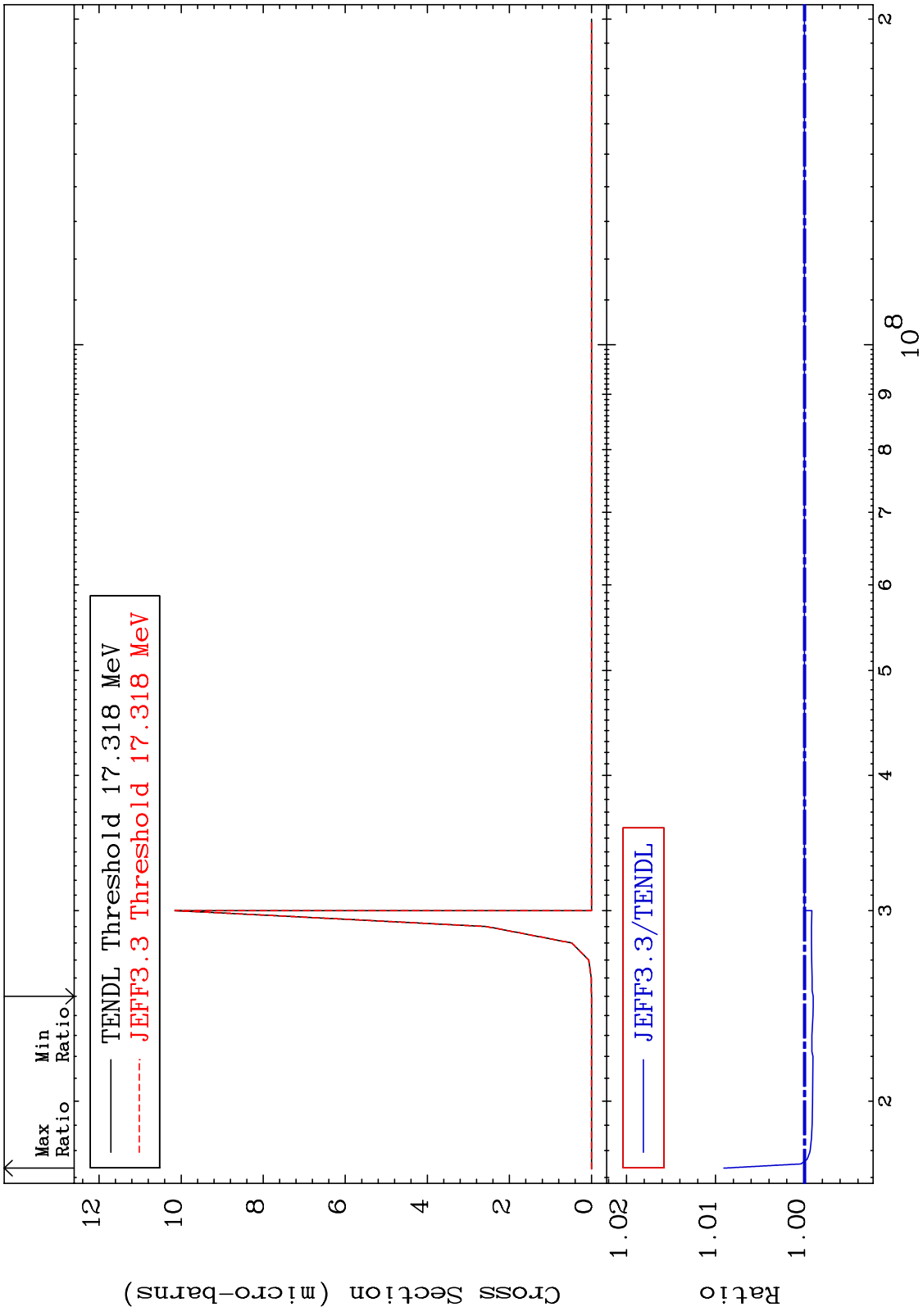
MAT 5243 (n,n') d 52-Te-126
 Cross Section -0.031 To 6.549 %



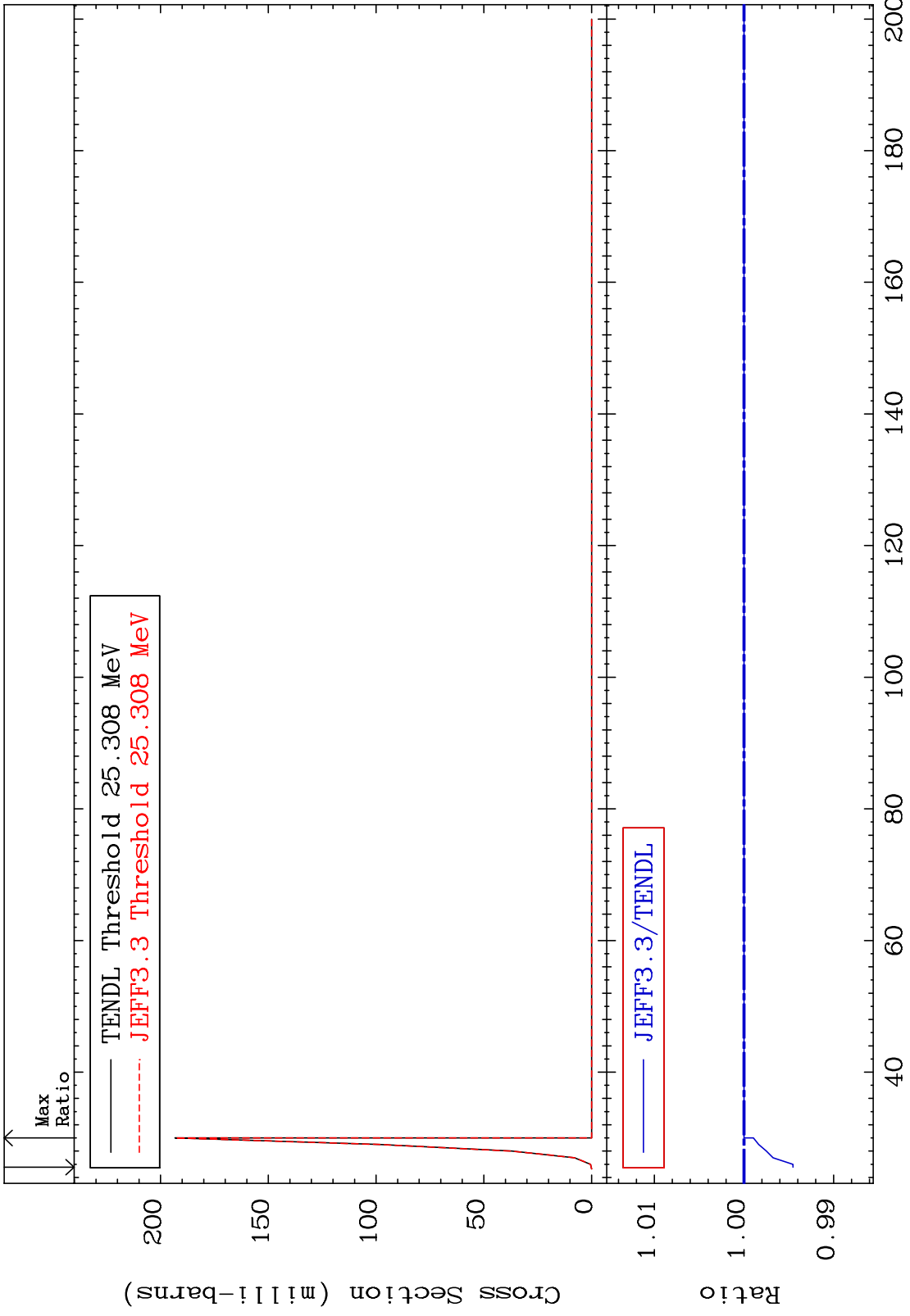
MAT 5243 (n,n') t 52-Te-126
 Cross Section -0.076 To 1.185 %



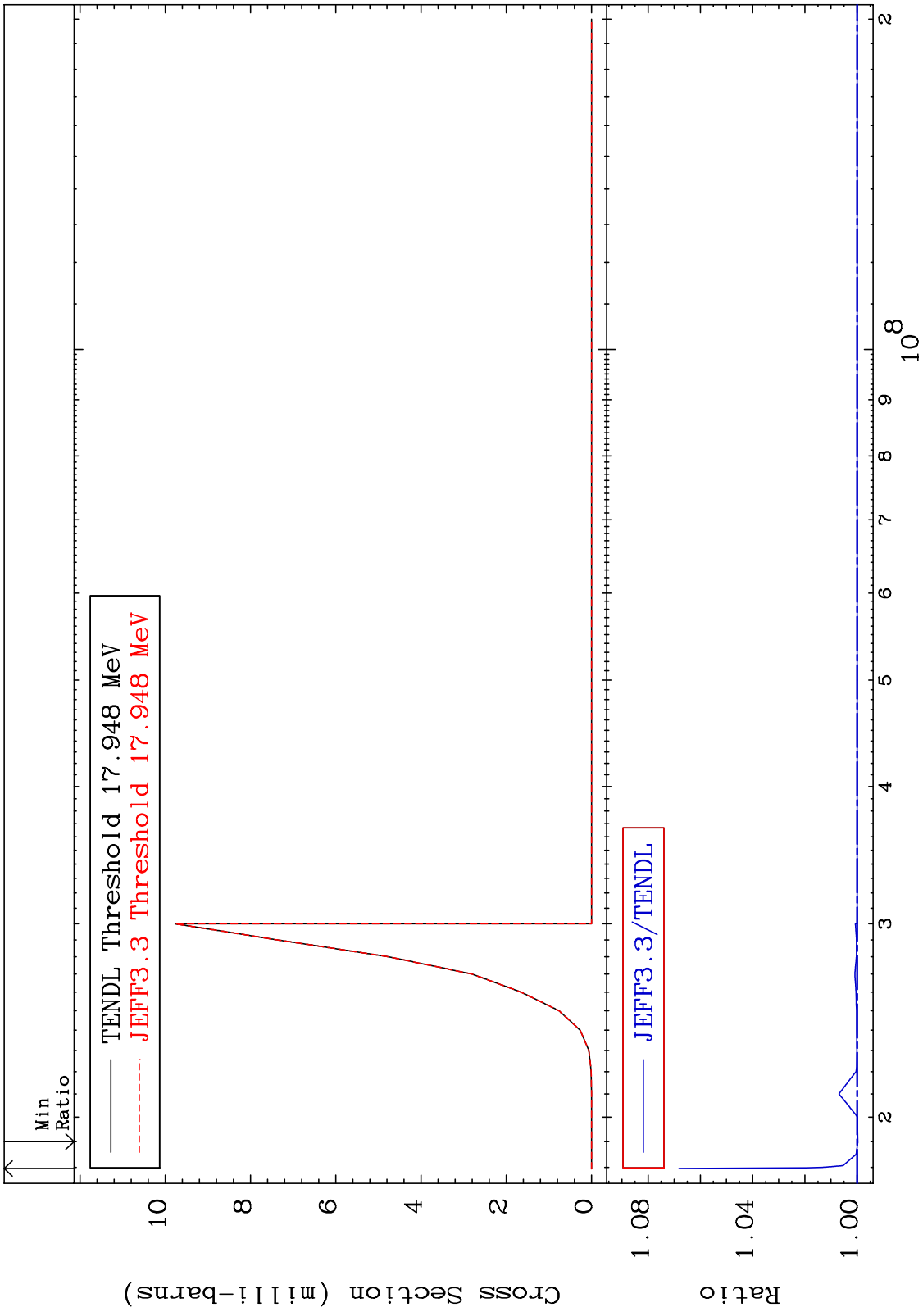
MAT 5243 (n, n') He-3 52-Te-126
 Cross Section -0.097 To 0.908 %



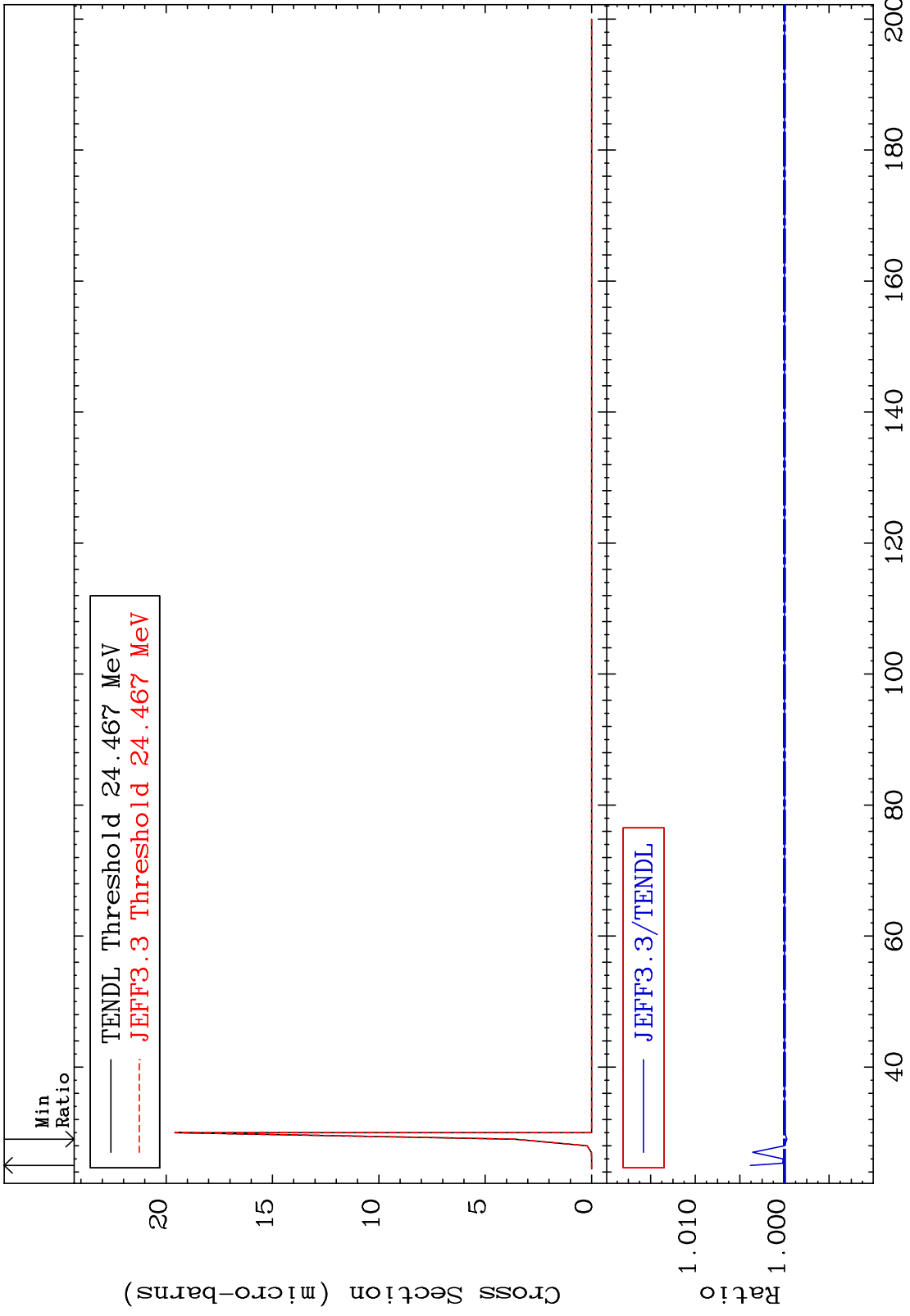
MAT 5243 (n,4n) Cross Section 52-Te-126 -0.547 To 0.000 %



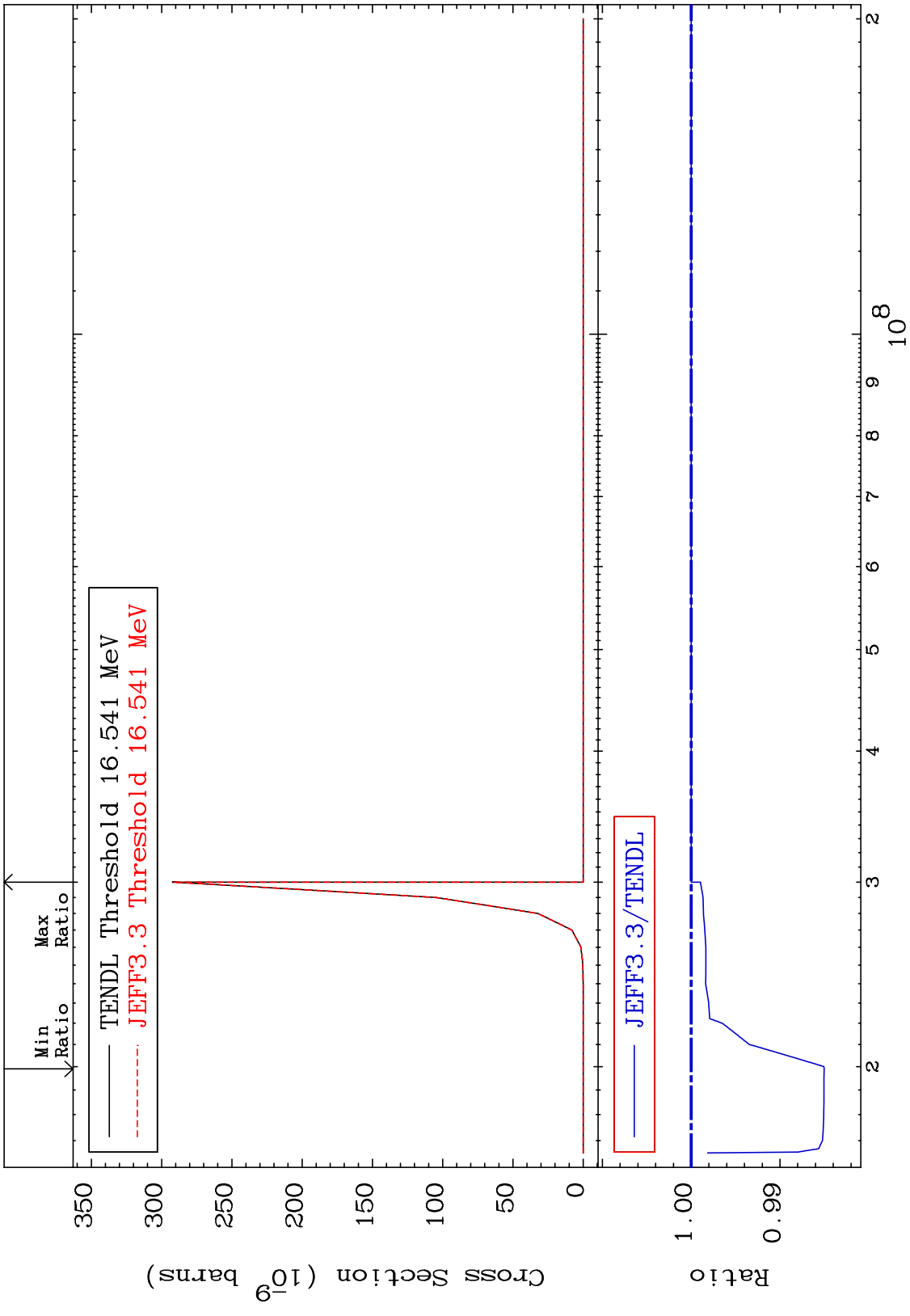
MAT 5243 (n,2n) p 52-Te-126
 Cross Section -0.028 To 6.815 %



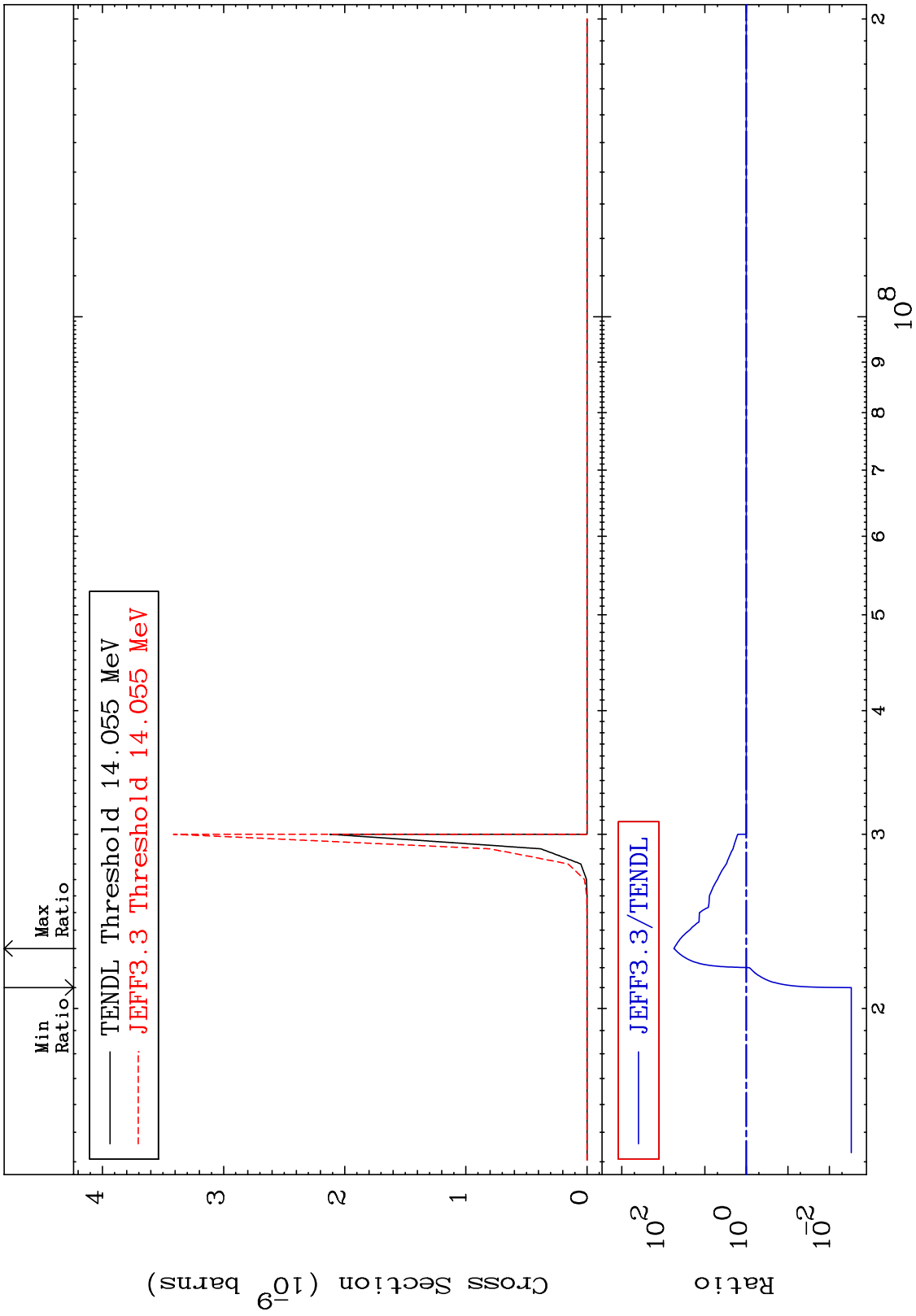
MAT 5243 (n,3n) p 52-Te-126
Cross Section -0.026 To 0.384 %



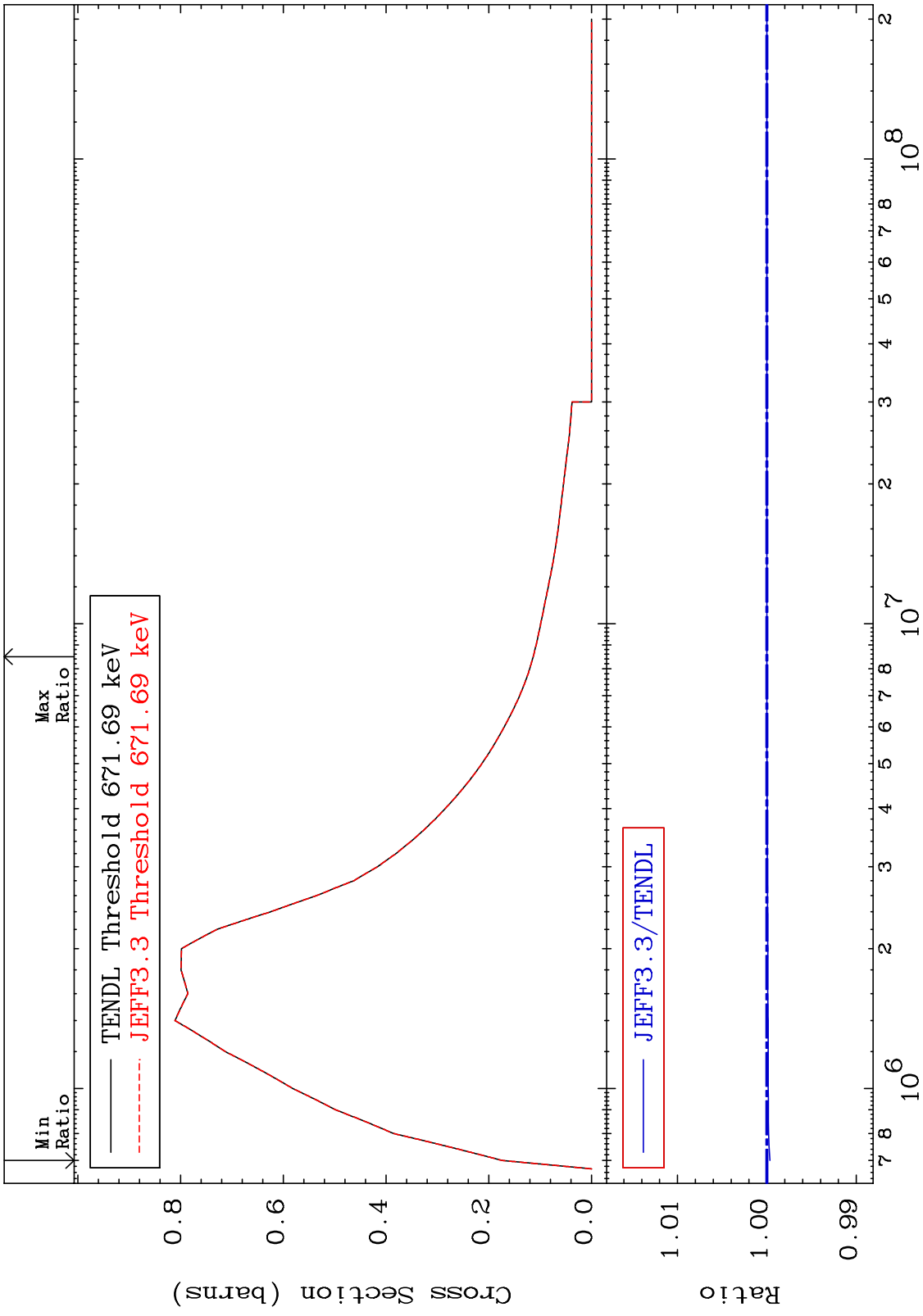
MAT 5243 (n,2n) p 52-Te-126
 Cross Section -1.497 To 0.000 %



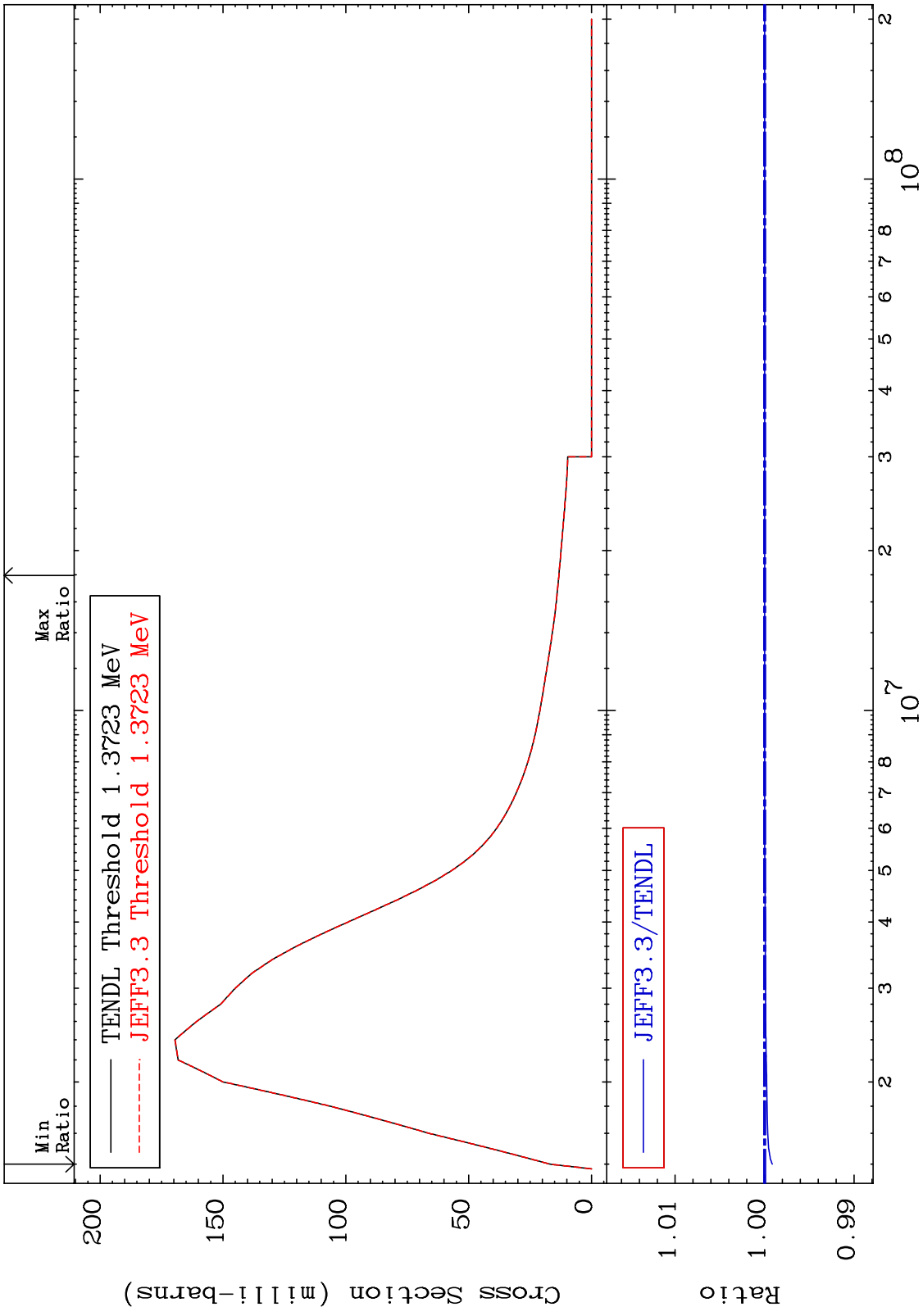
MAT 5243 (n,n') p α 52-Te-126
Cross Section -99.70 To 5461. %



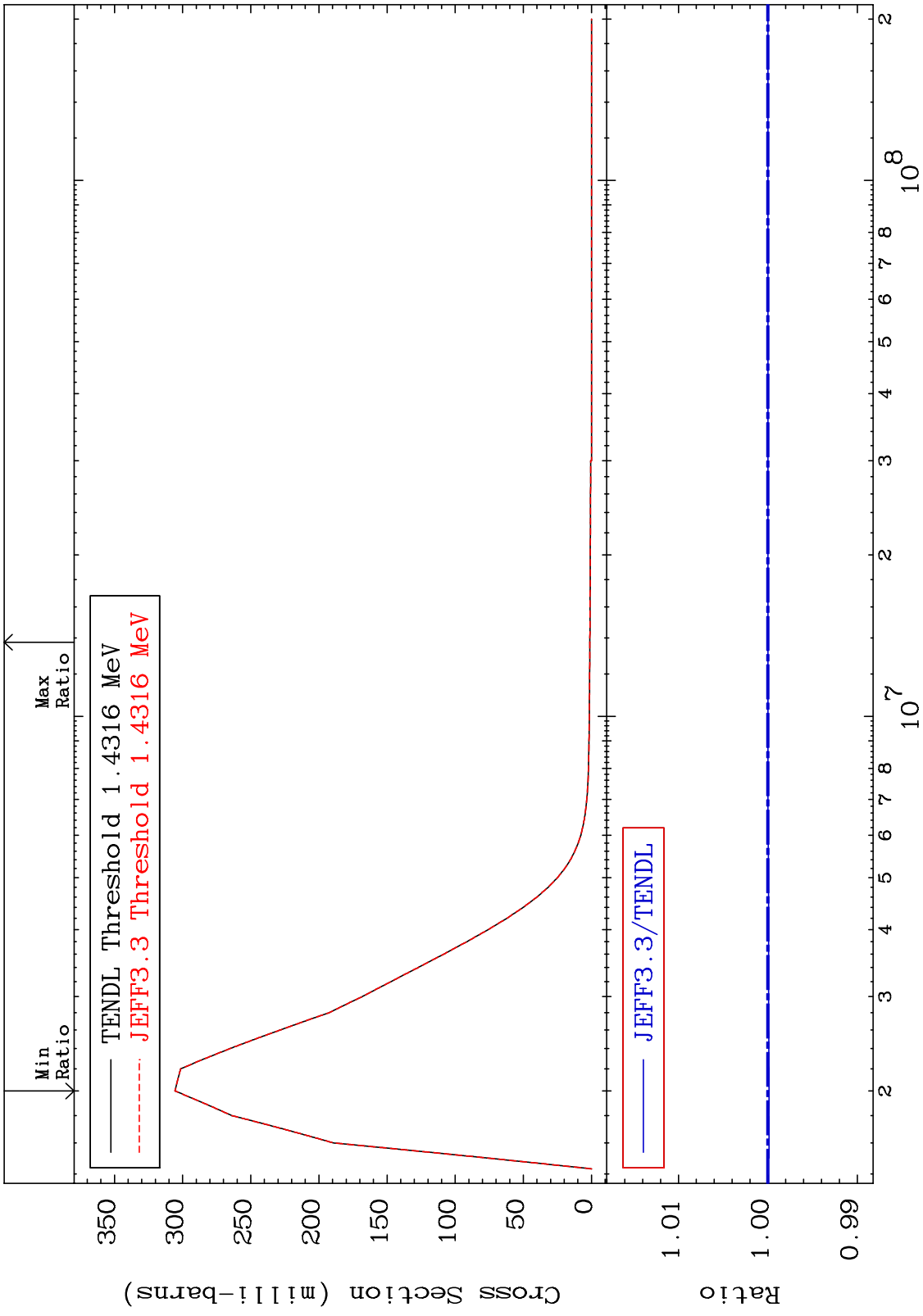
MAT 5243 MT= 51 (n,n') Level Cross Section 52-Te-126 -0.035 To 0.000 %



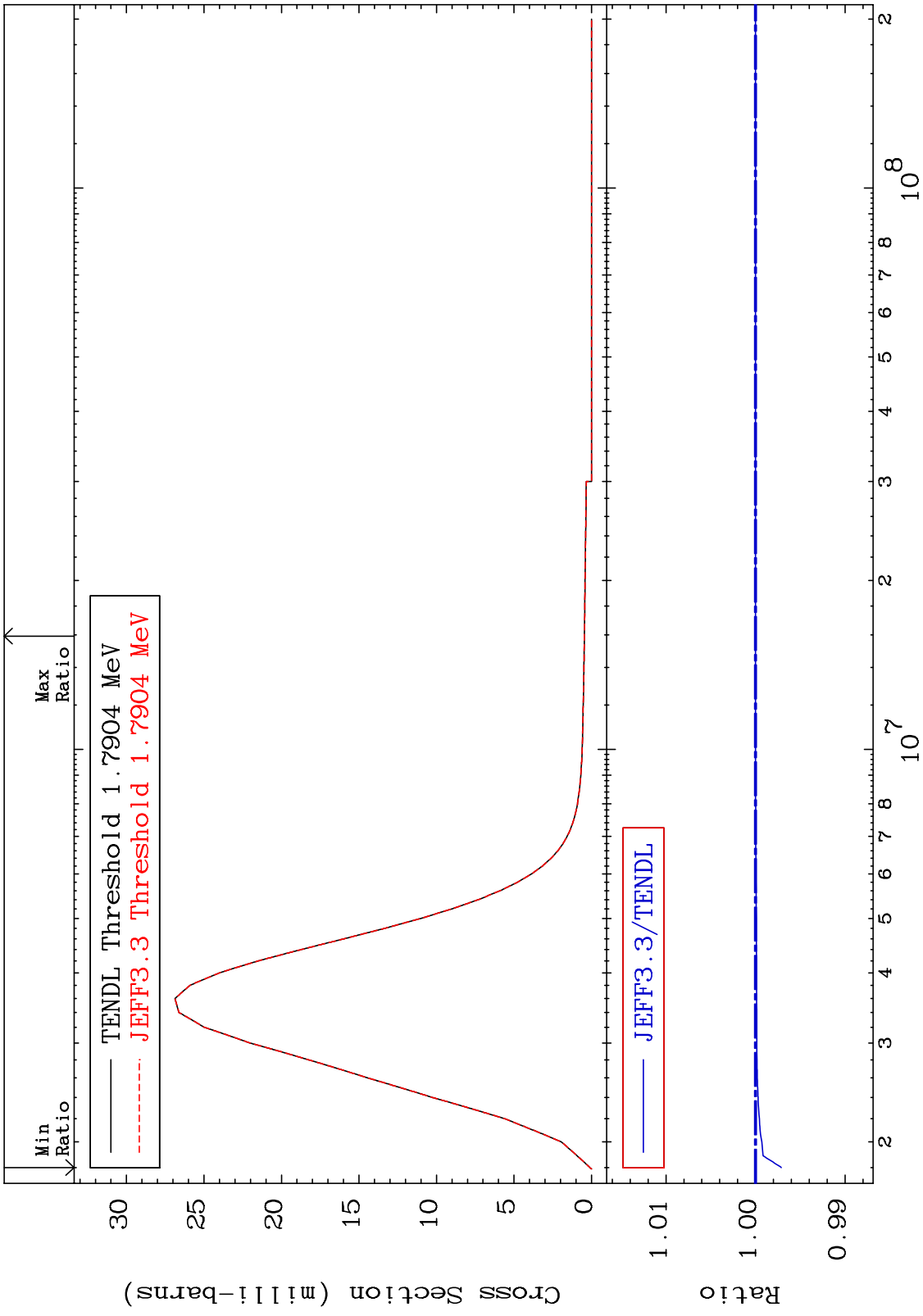
MAT 5243 MT= 52 (n,n') Level Cross Section 52-Te-126 -0.086 To 0.000 %



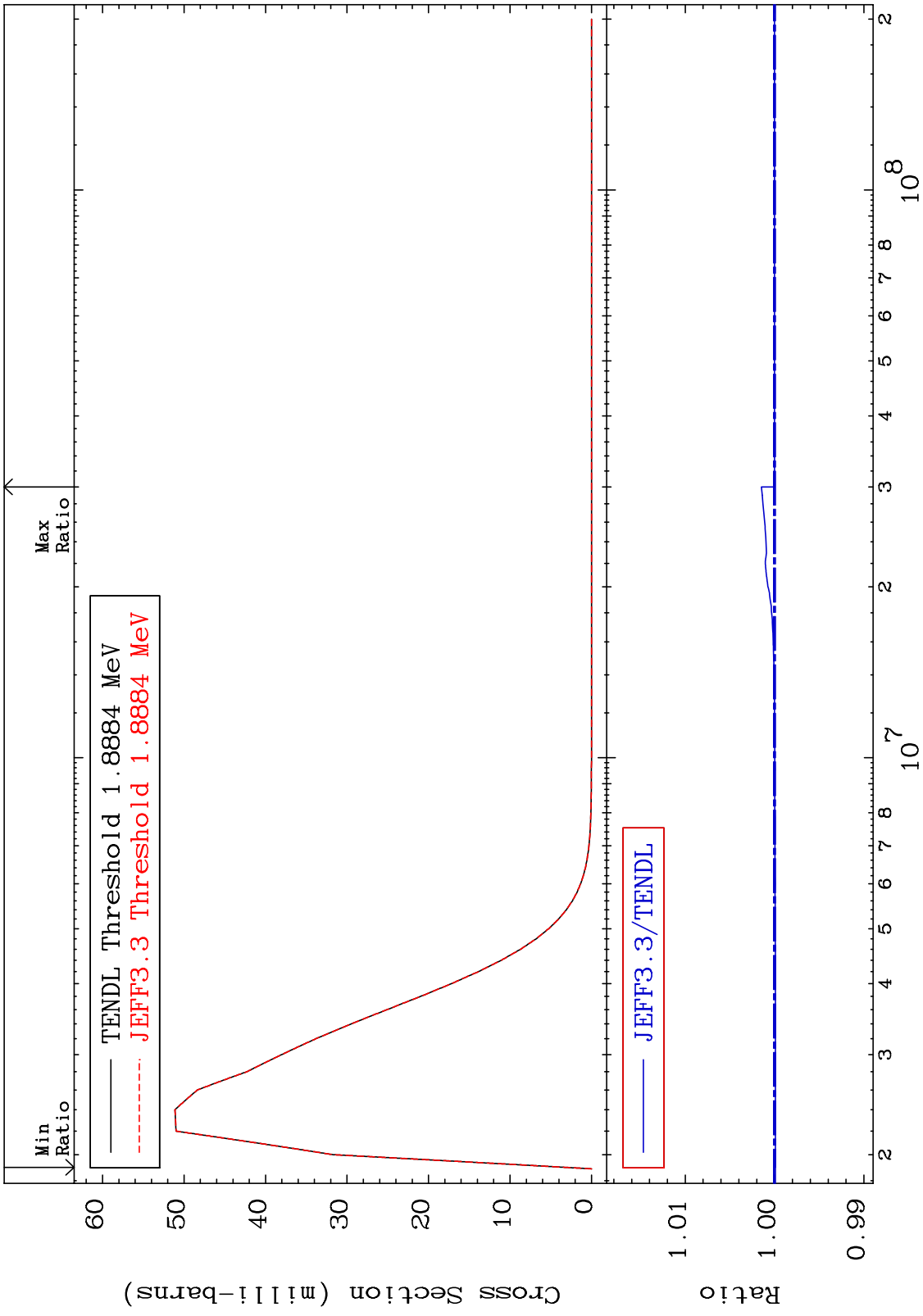
MAT 5243 MT= 53 (n,n') Level Cross Section 52-Te-126
 -0.013 To 0.000 %



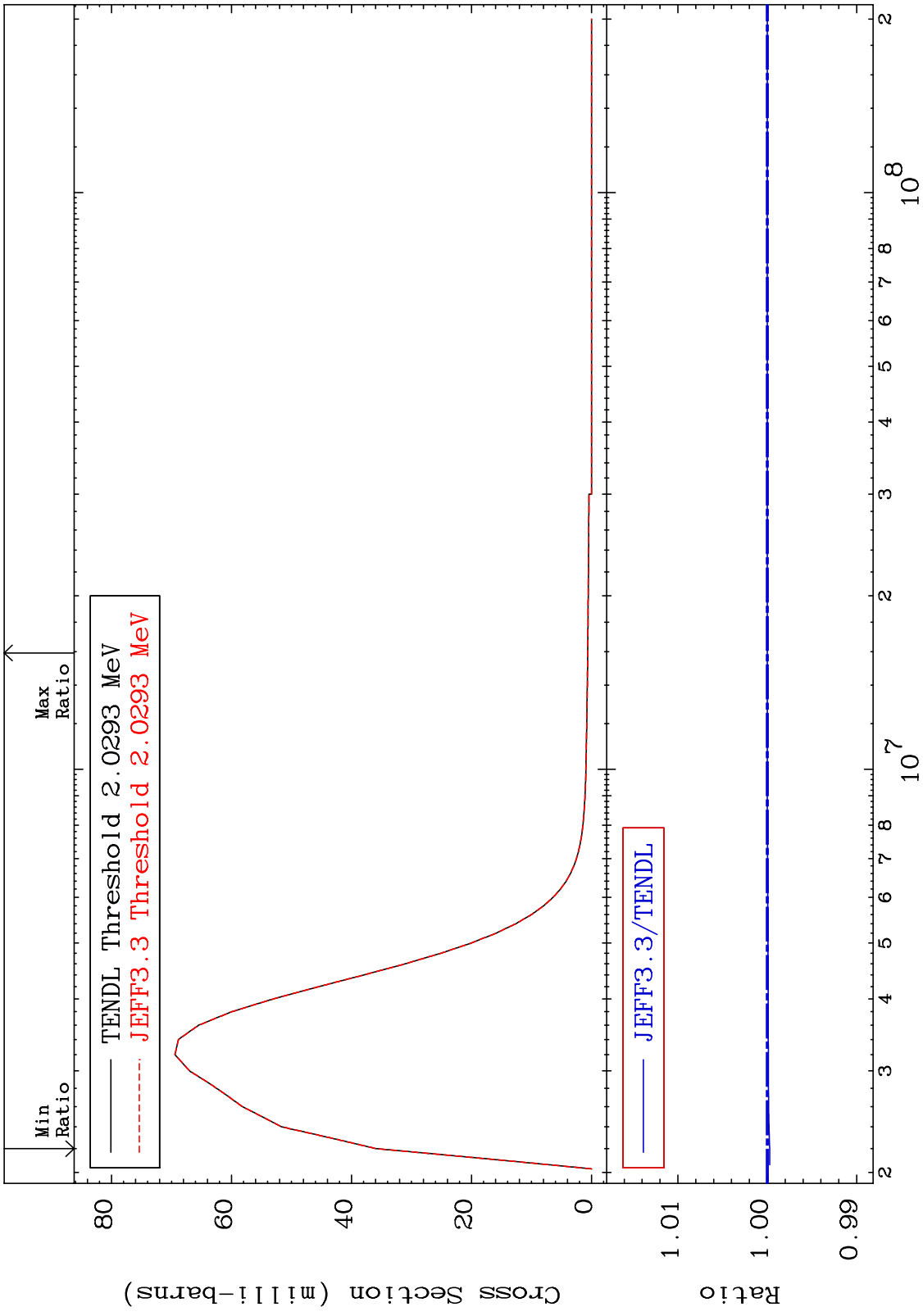
MAT 5243 MT= 54 (n,n') Level Cross Section 52-Te-126 -0.289 To 0.000 %



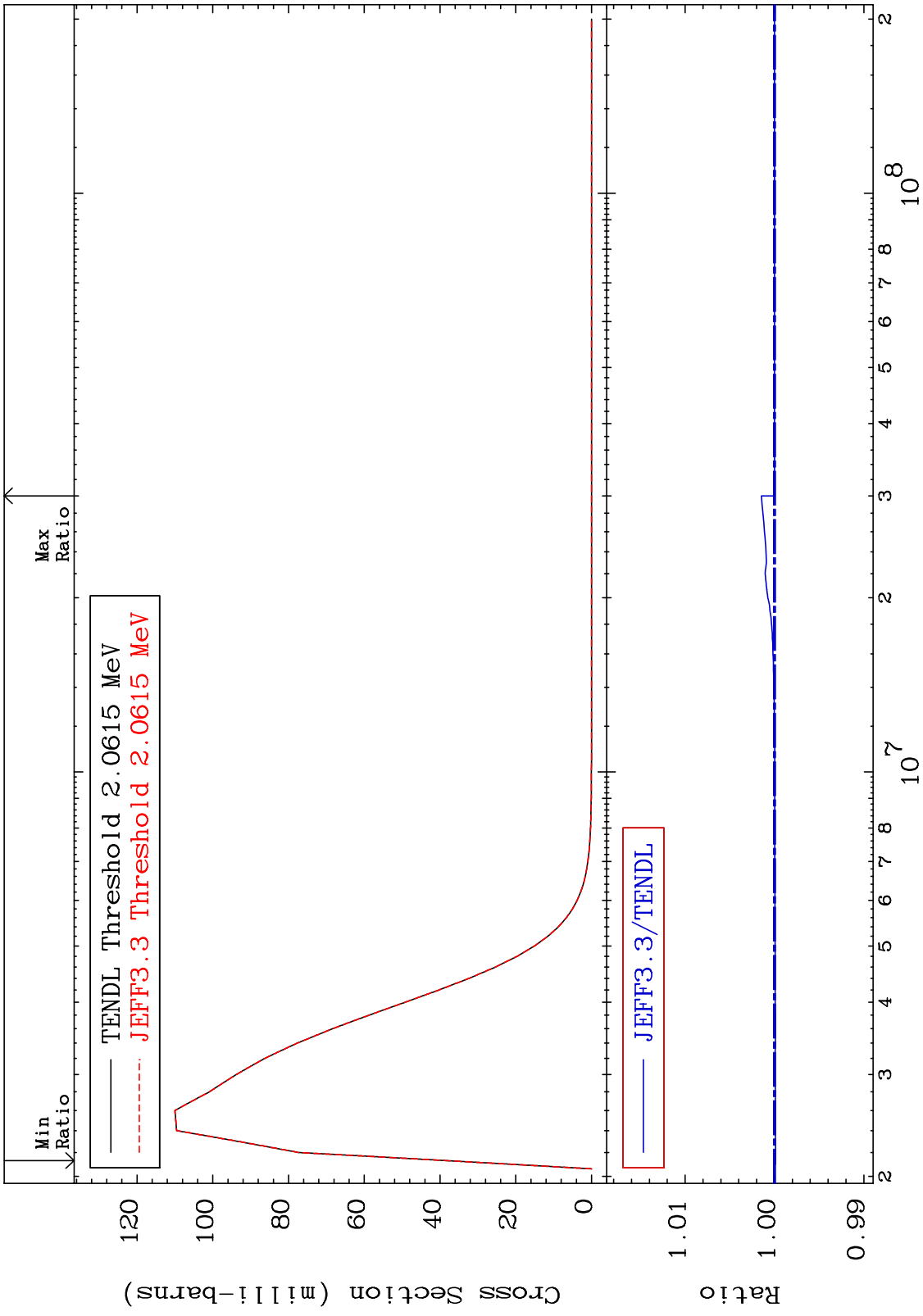
MAT 5243 MT= 55 (n,n') Level Cross Section 52-Te-126
 -0.009 To 0.147 %



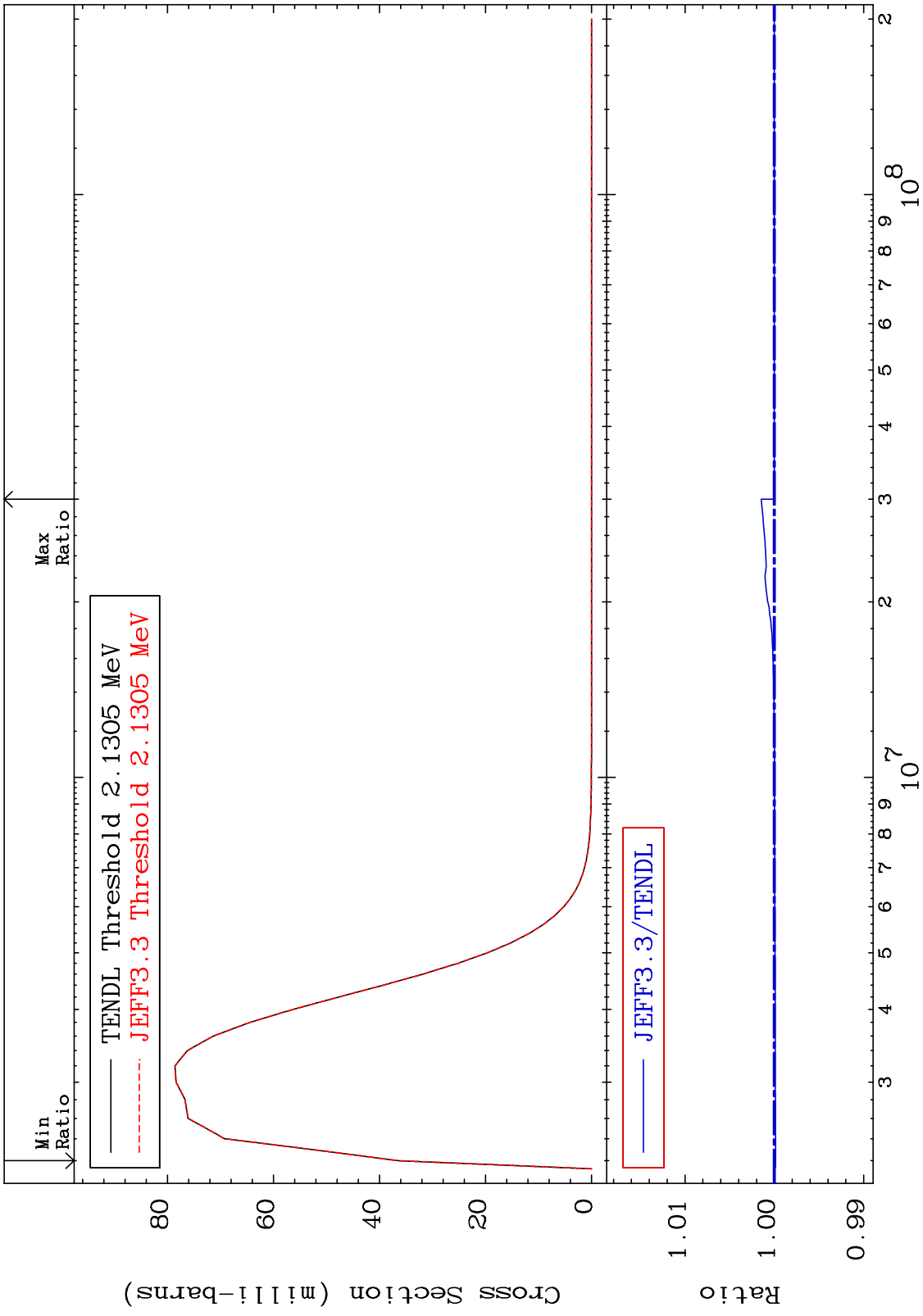
MAT 5243 MT= 56 (n,n') Level Cross Section 52-Te-126 -0.026 To 0.000 %



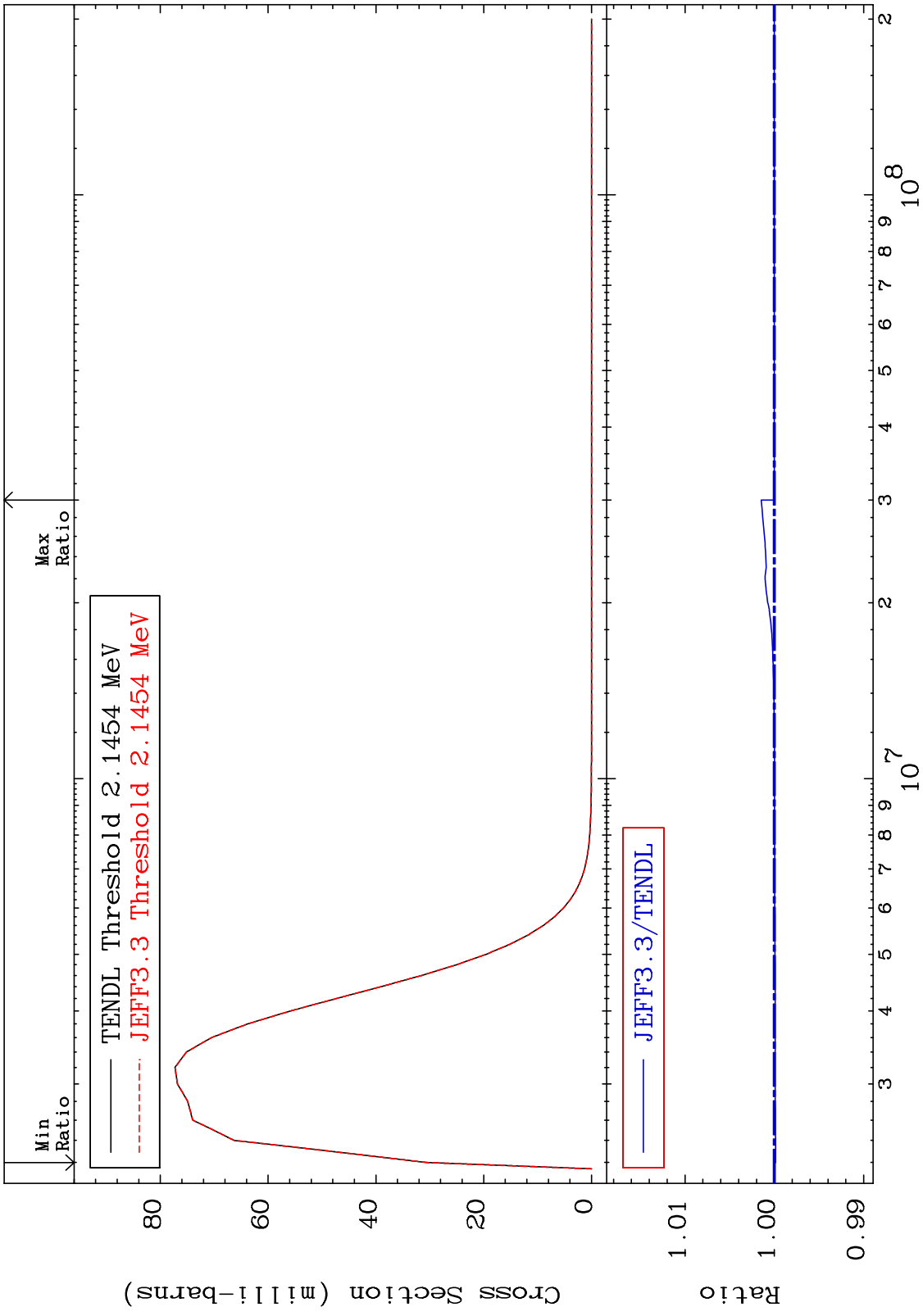
MAT 5243 MT= 57 (n,n') Level Cross Section 52-Te-126 -0.012 To 0.147 %



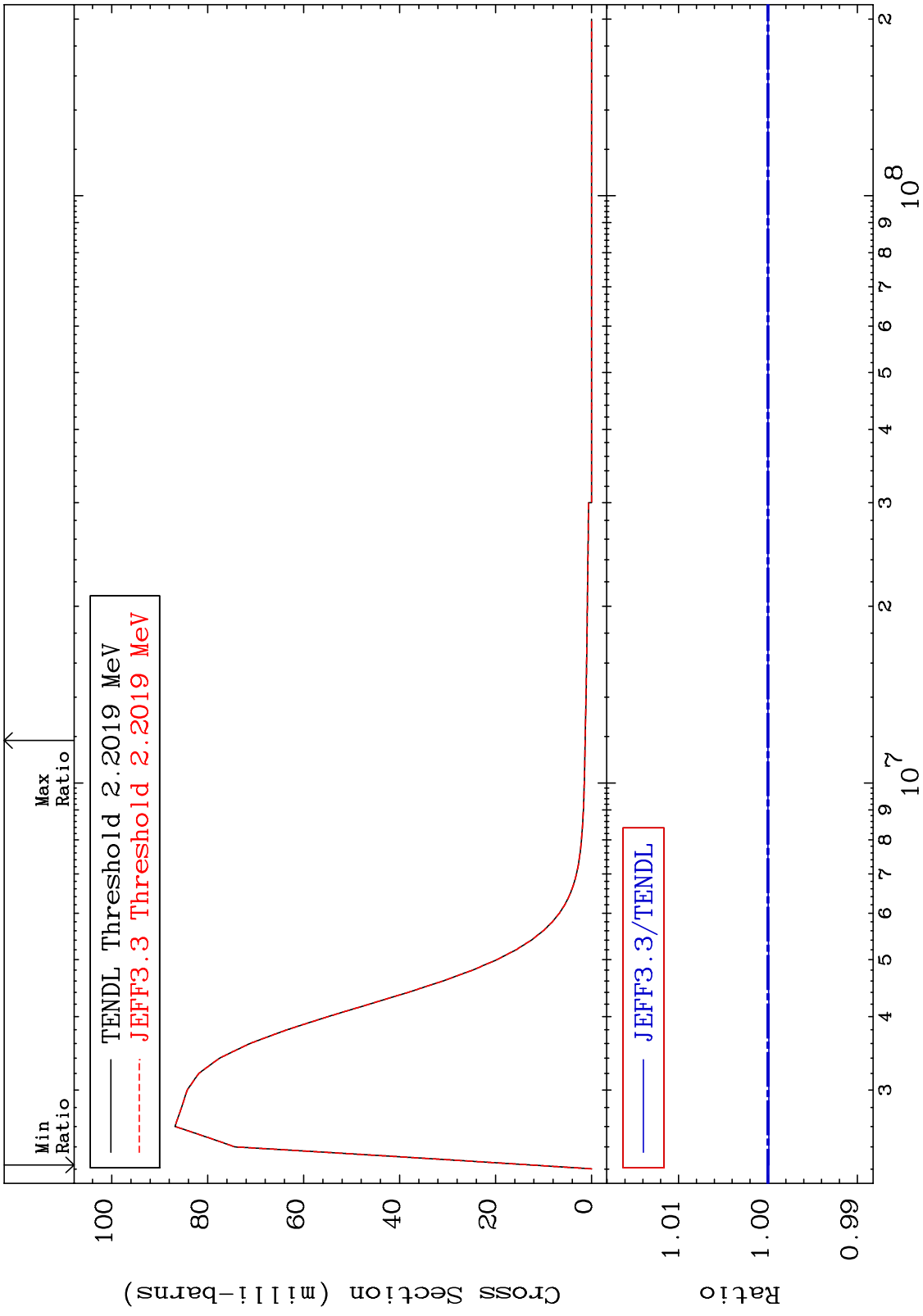
MAT 5243 MT= 58 (n,n') Level Cross Section 52-Te-126 -0.015 To 0.147 %



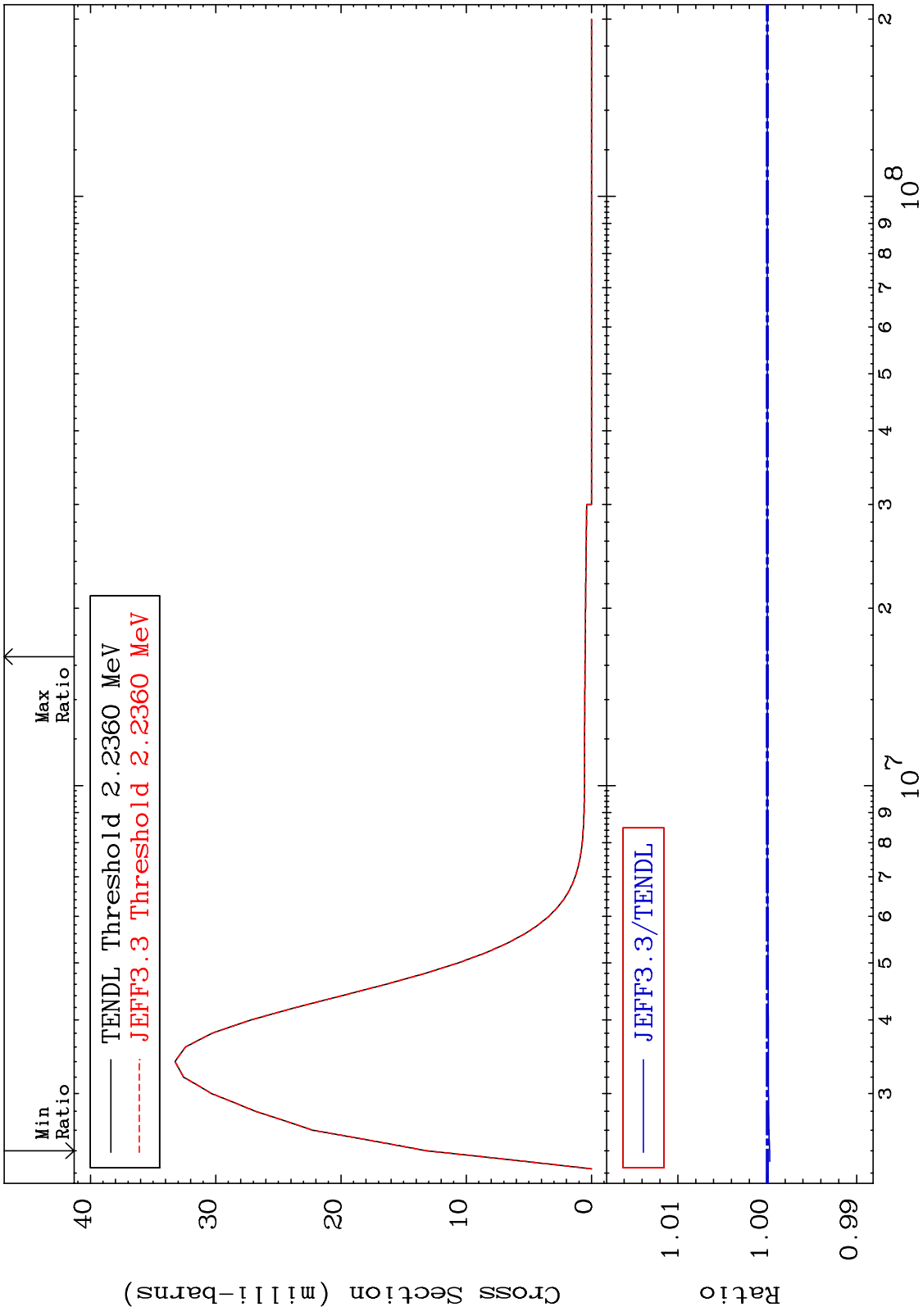
MAT 5243 MT= 59 (n,n') Level Cross Section 52-Te-126
 -0.015 To 0.147 %



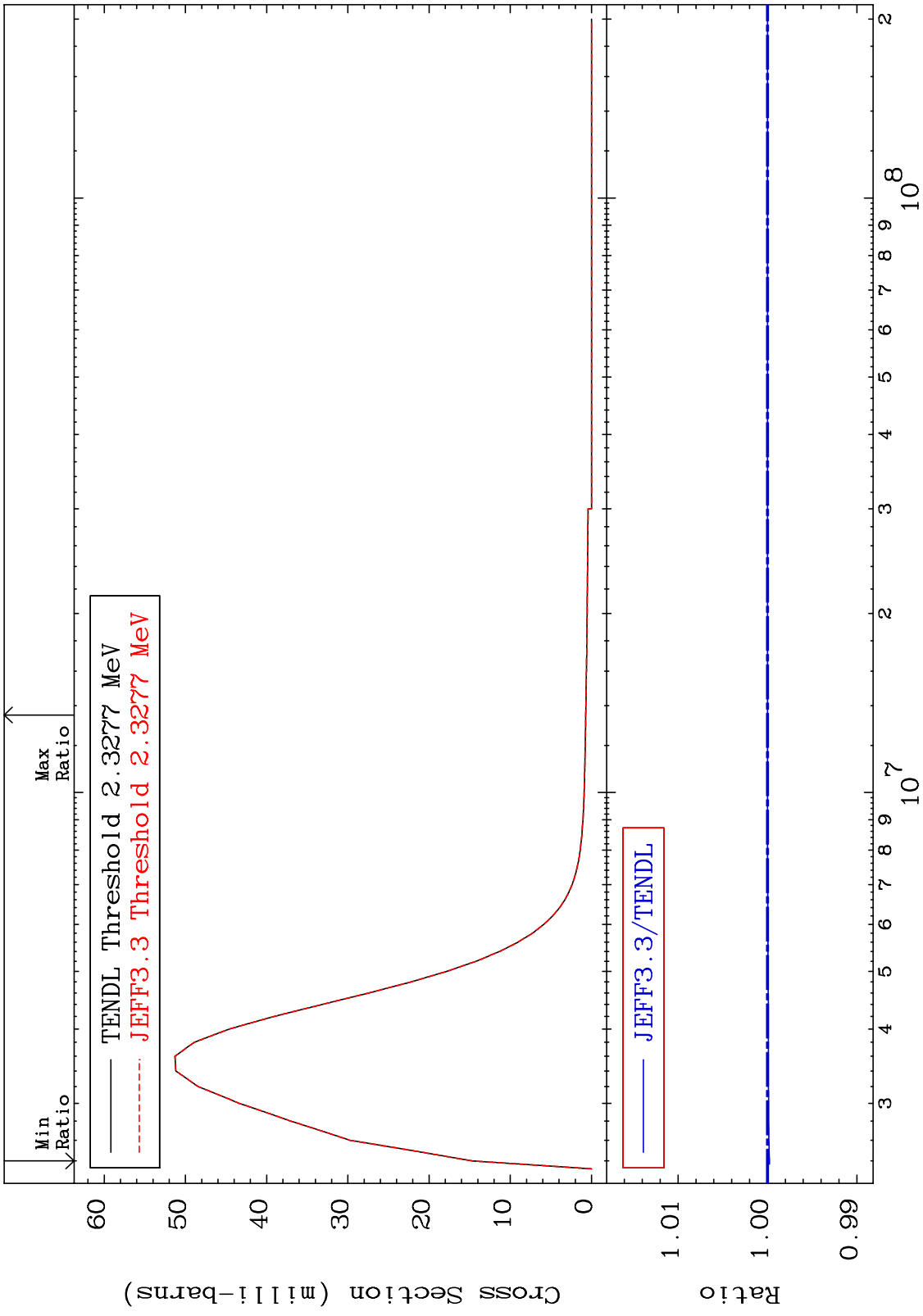
MAT 5243 MT= 61 (n,n') Level Cross Section 52-Te-126
 -0.011 To 0.000 %



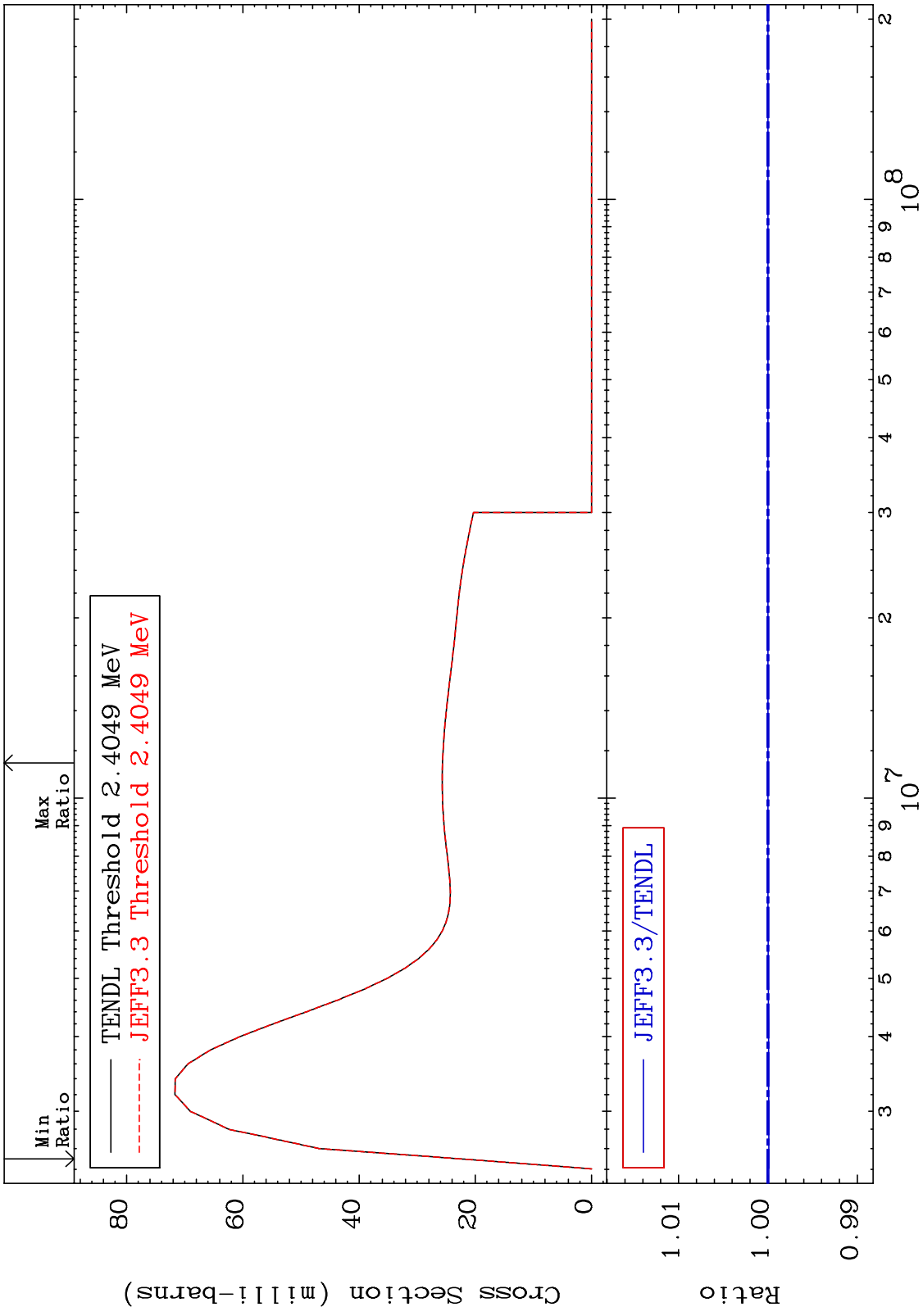
MAT 5243 MT= 62 (n,n') Level Cross Section 52-Te-126
 -0.026 To 0.000 %



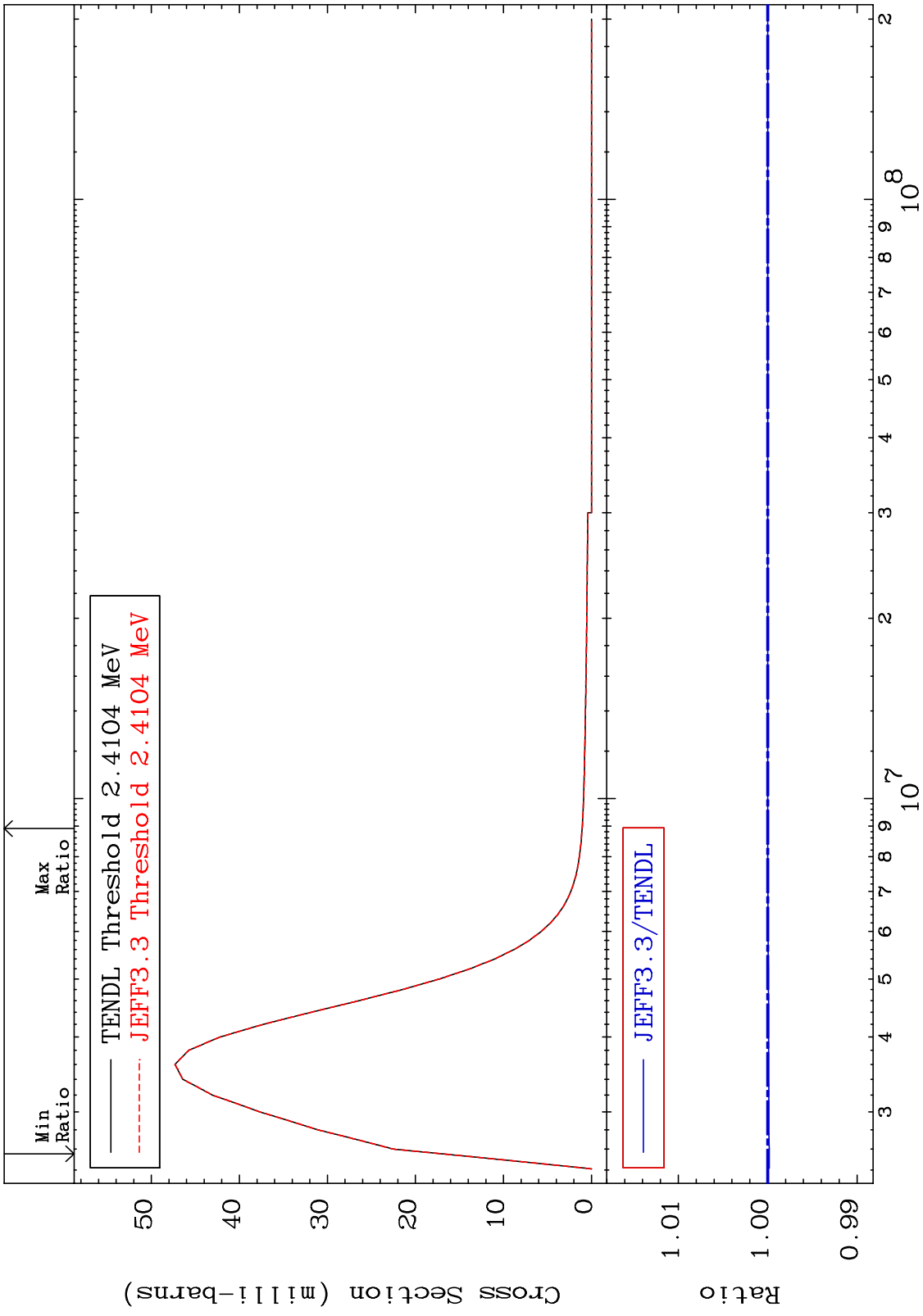
MAT 5243 MT= 63 (n,n') Level Cross Section 52-Te-126
 -0.022 To 0.000 %



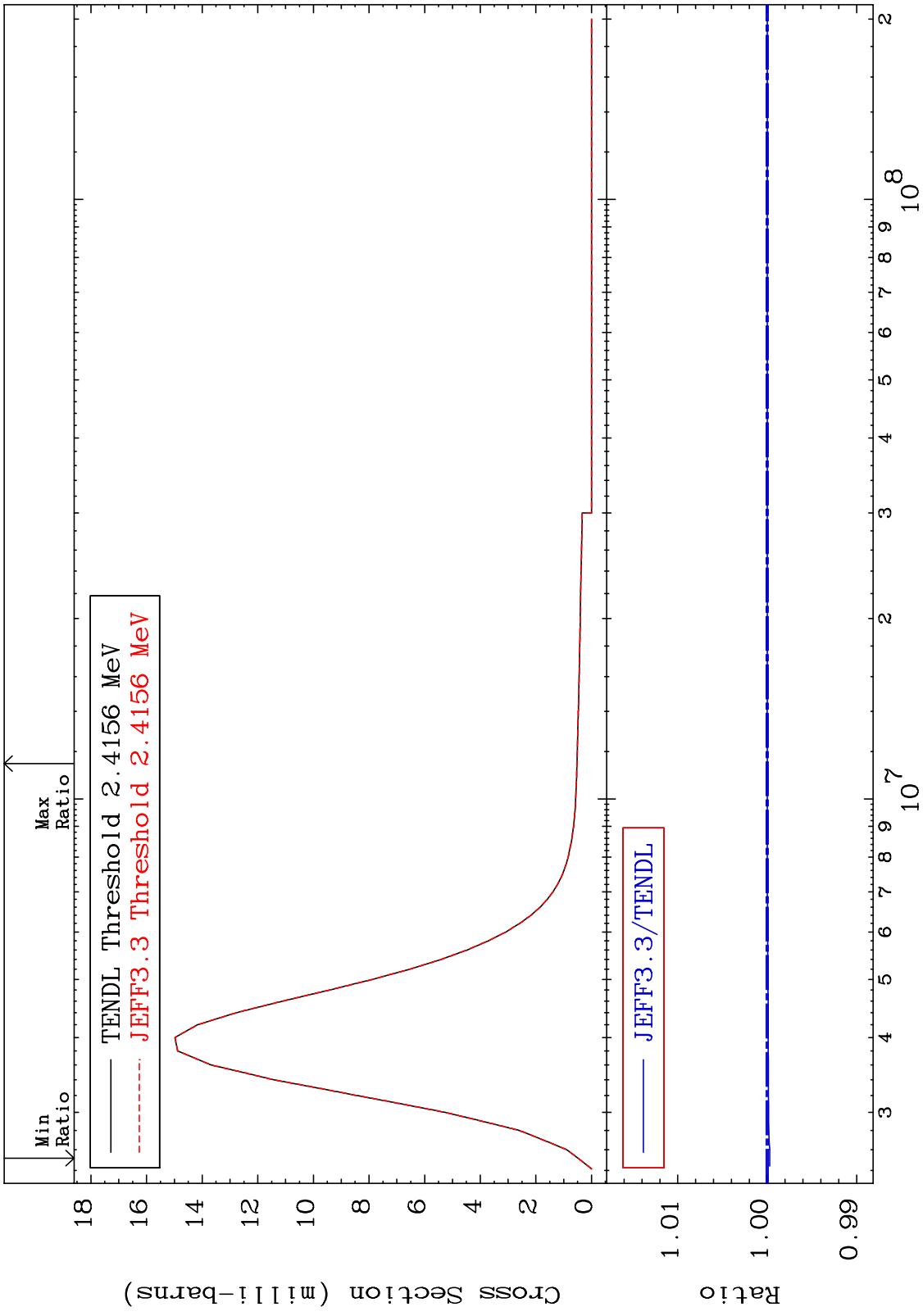
MAT 5243 MT= 65 (n,n') Level Cross Section 52-Te-126
 -0.011 To 0.000 %



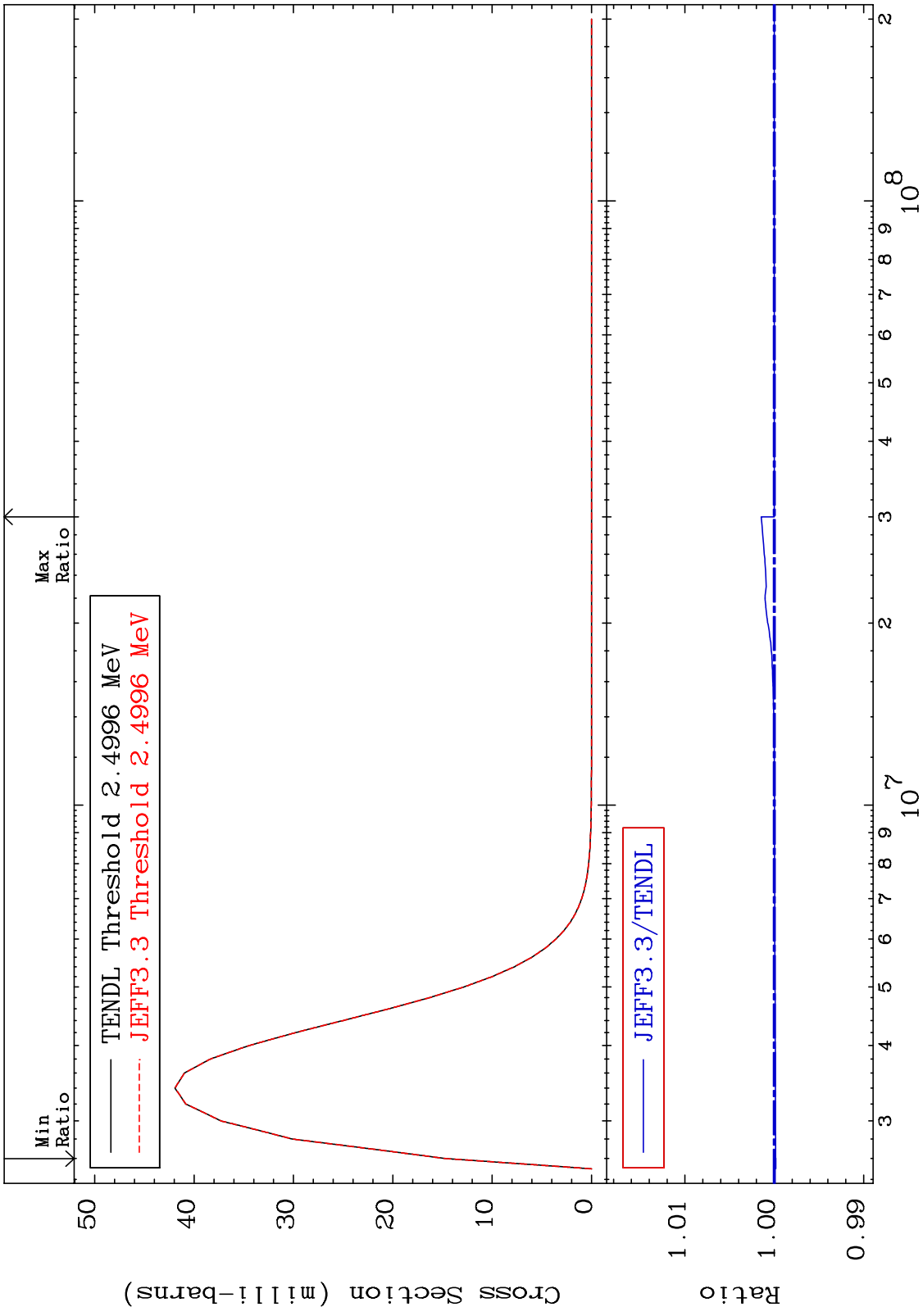
MAT 5243 MT= 66 (n,n') Level Cross Section 52-Te-126
 -0.016 To 0.000 %



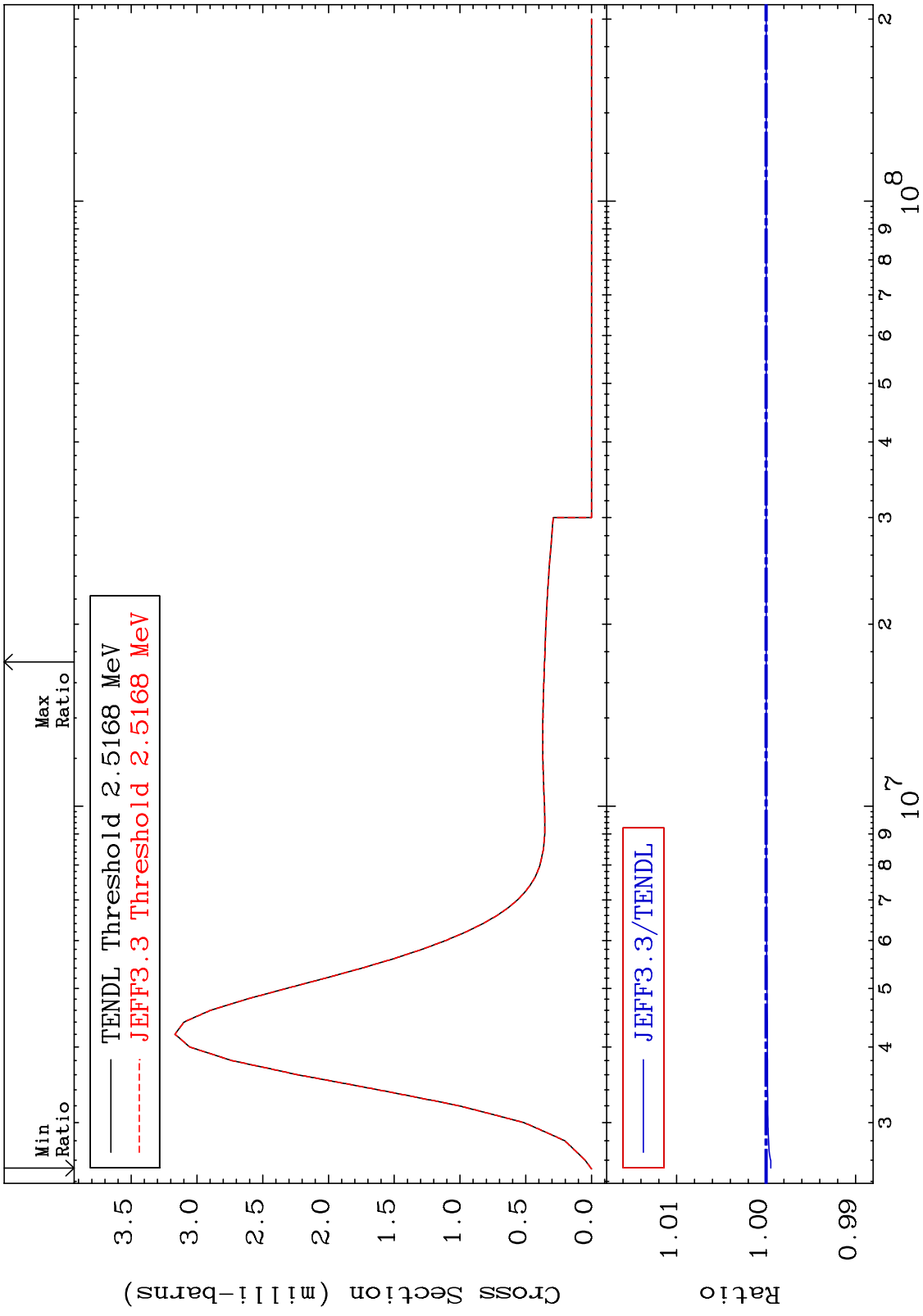
MAT 5243 MT= 67 (n,n') Level Cross Section 52-Te-126
 -0.028 To 0.000 %



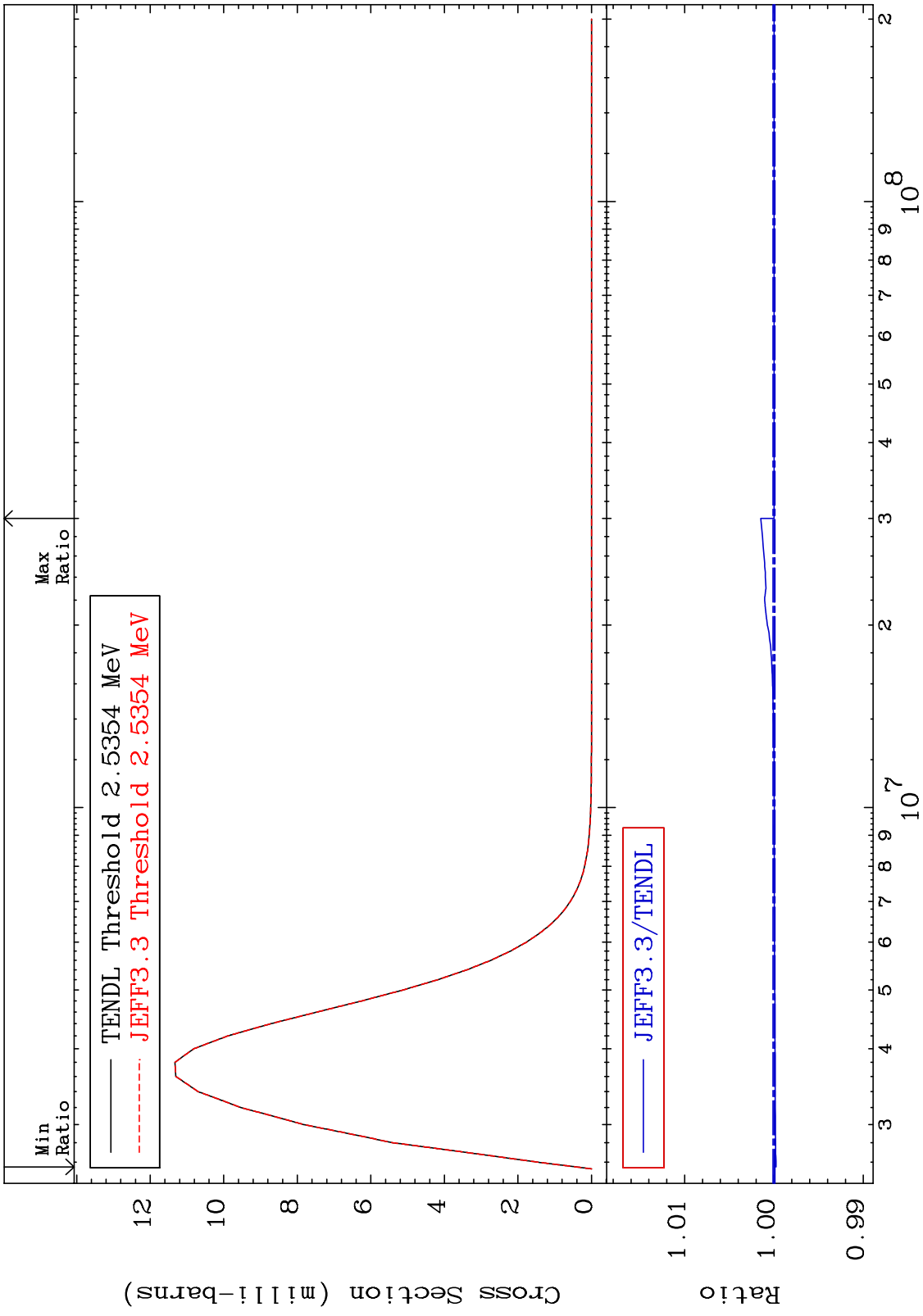
MAT 5243 MT= 69 (n, n') Level Cross Section 52-Te-126
 -0.016 To 0.147 %



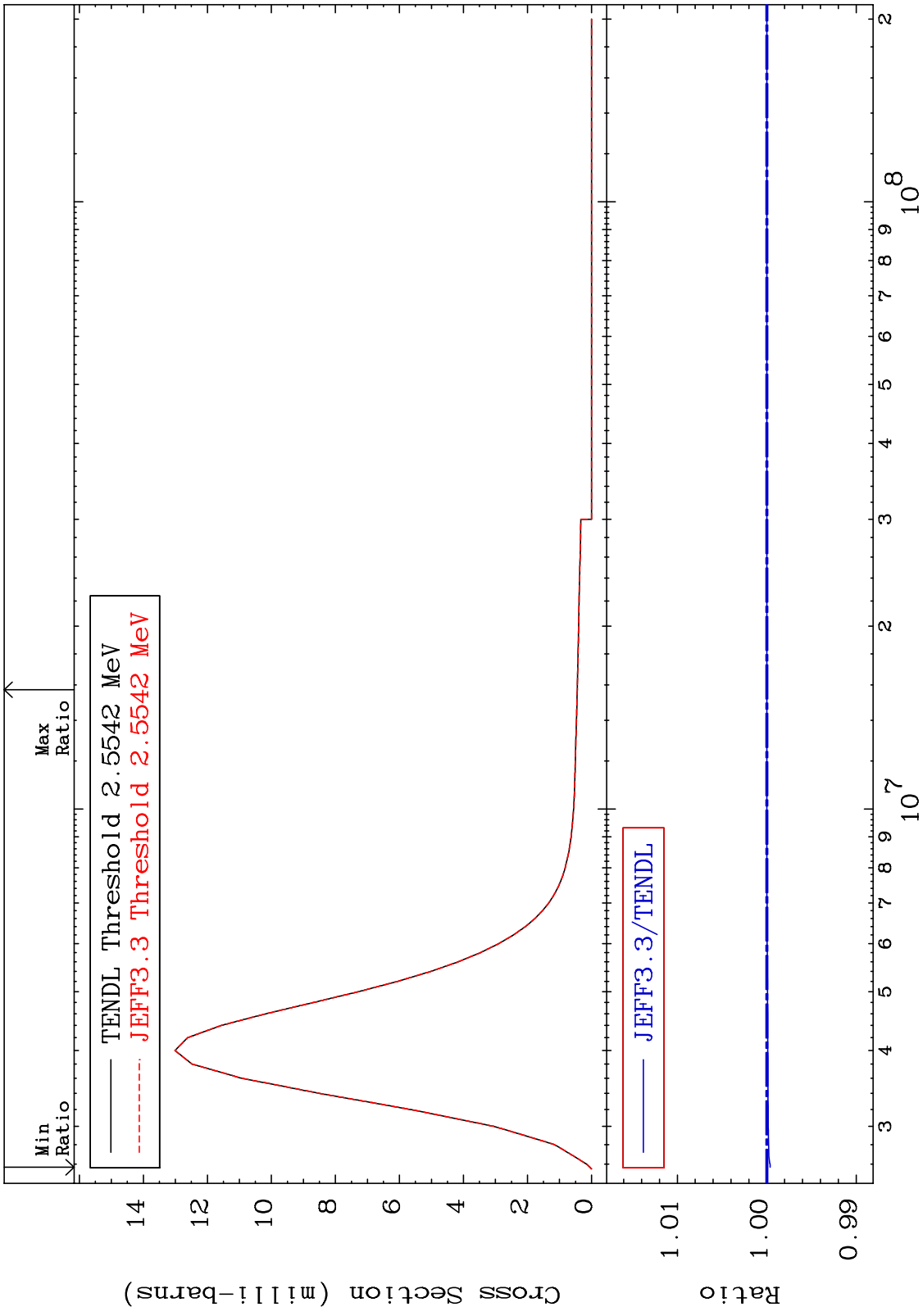
MAT 5243 MT= 70 (n,n') Level Cross Section 52-Te-126 -0.052 To 0.000 %



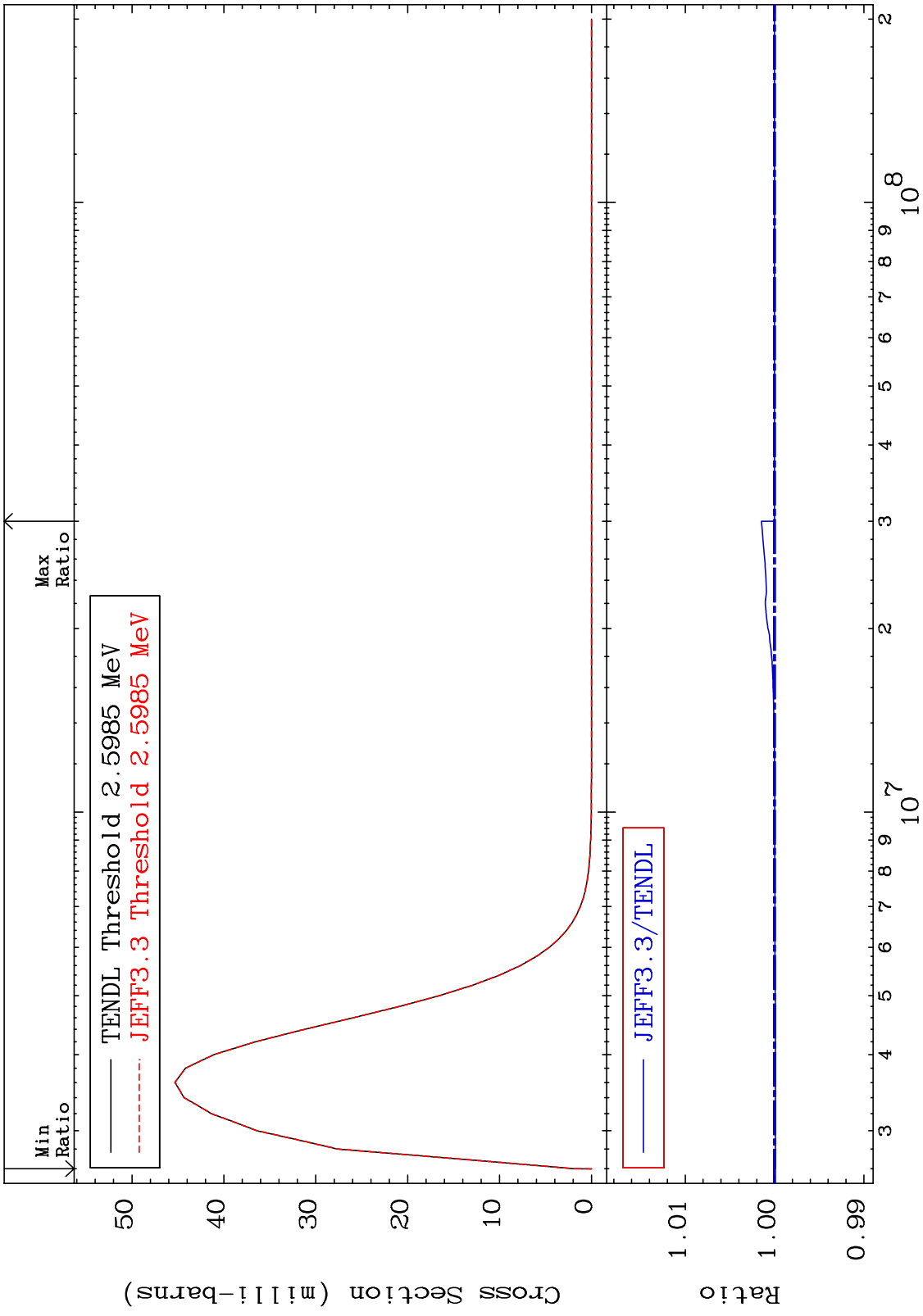
MAT 5243 MT= 72 (n,n') Level Cross Section 52-Te-126 -0.023 To 0.147 %



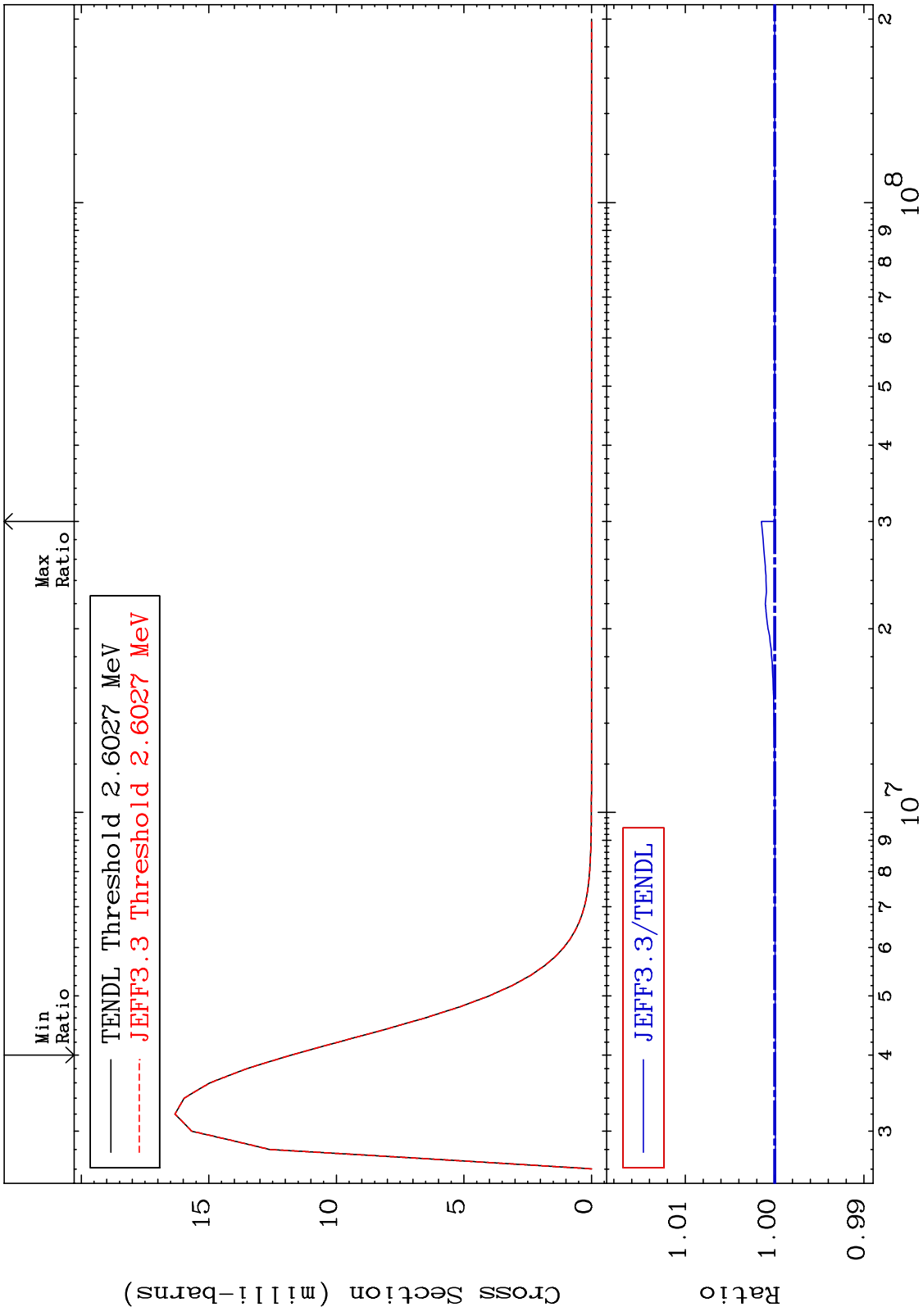
MAT 5243 MT= 73 (n,n') Level Cross Section 52-Te-126
 -0.037 To 0.000 %



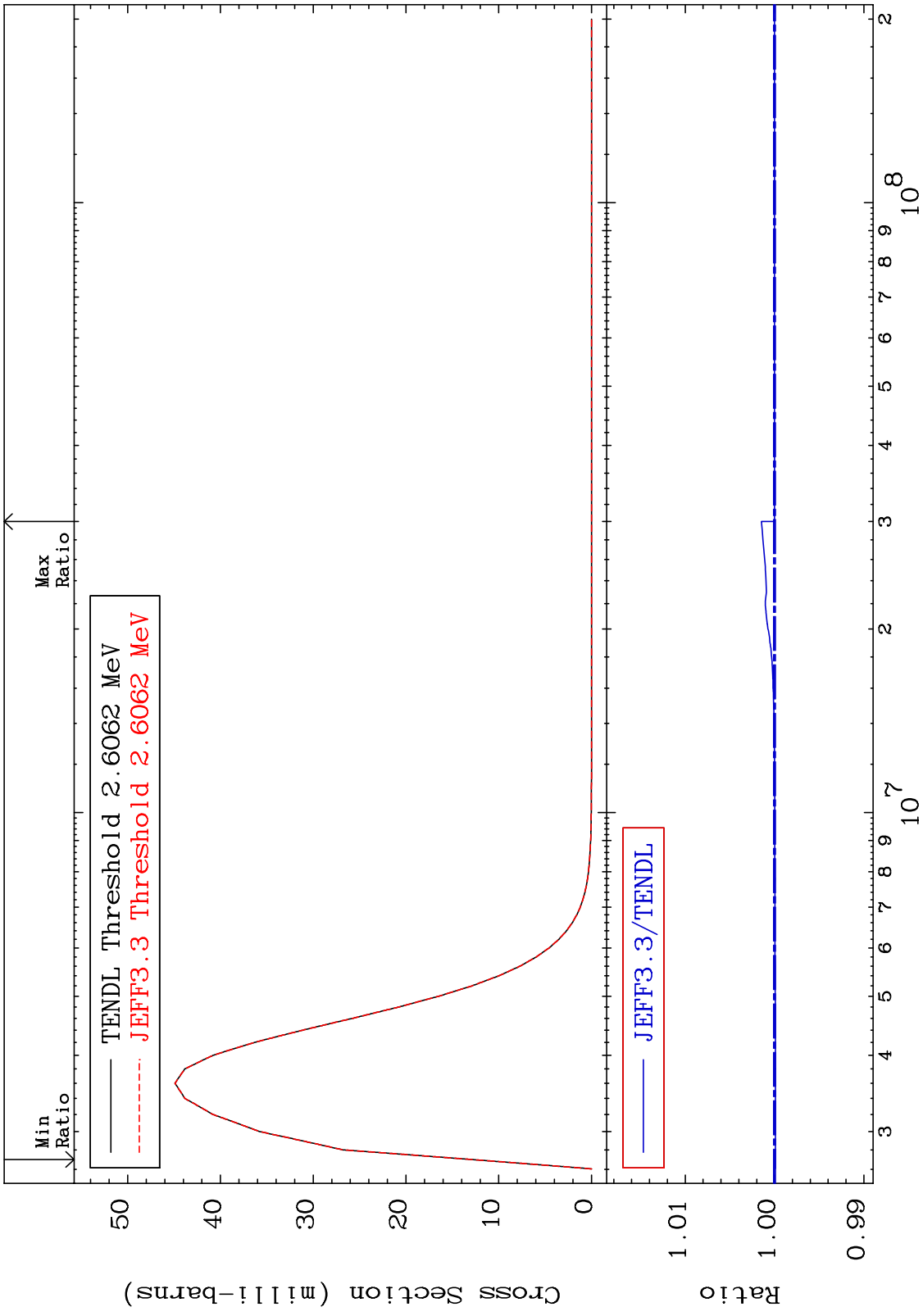
MAT 5243 MT= 74 (n,n') Level Cross Section 52-Te-126 -0.010 To 0.147 %



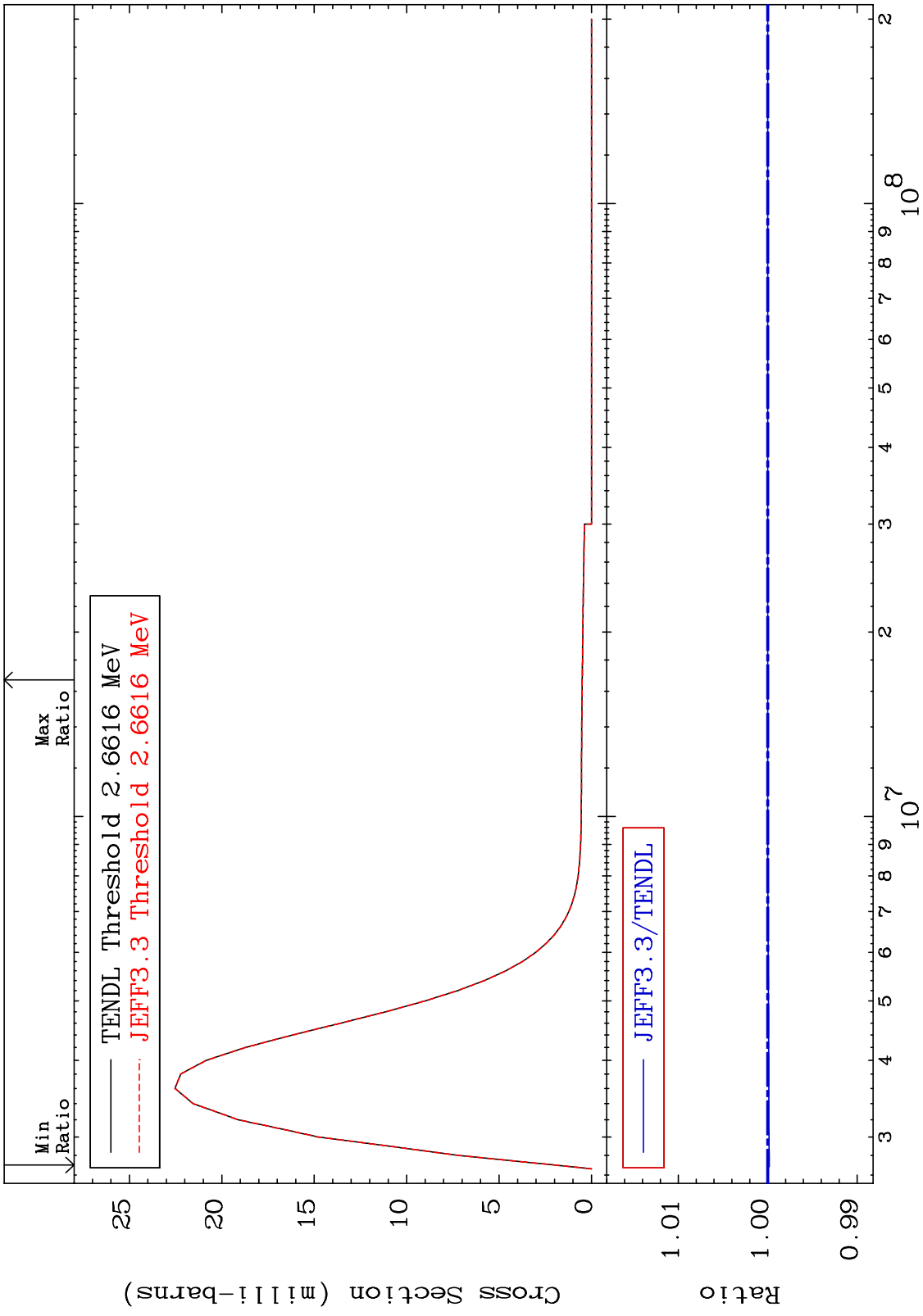
MAT 5243 MT= 75 (n,n') Level Cross Section 52-Te-126
 -0.009 To 0.147 %



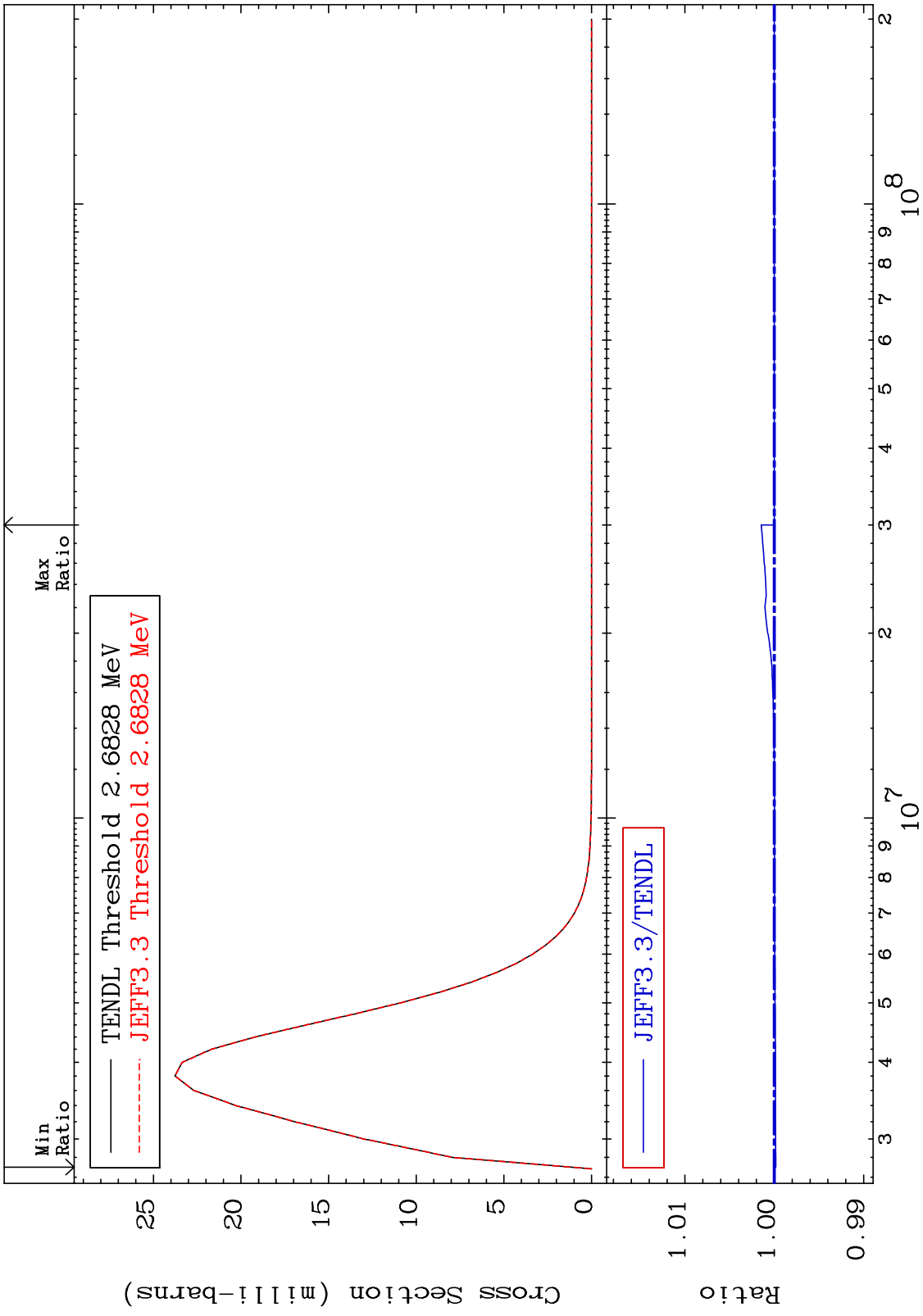
MAT 5243 MT= 76 (n,n') Level Cross Section 52-Te-126
 -0.010 To 0.147 %



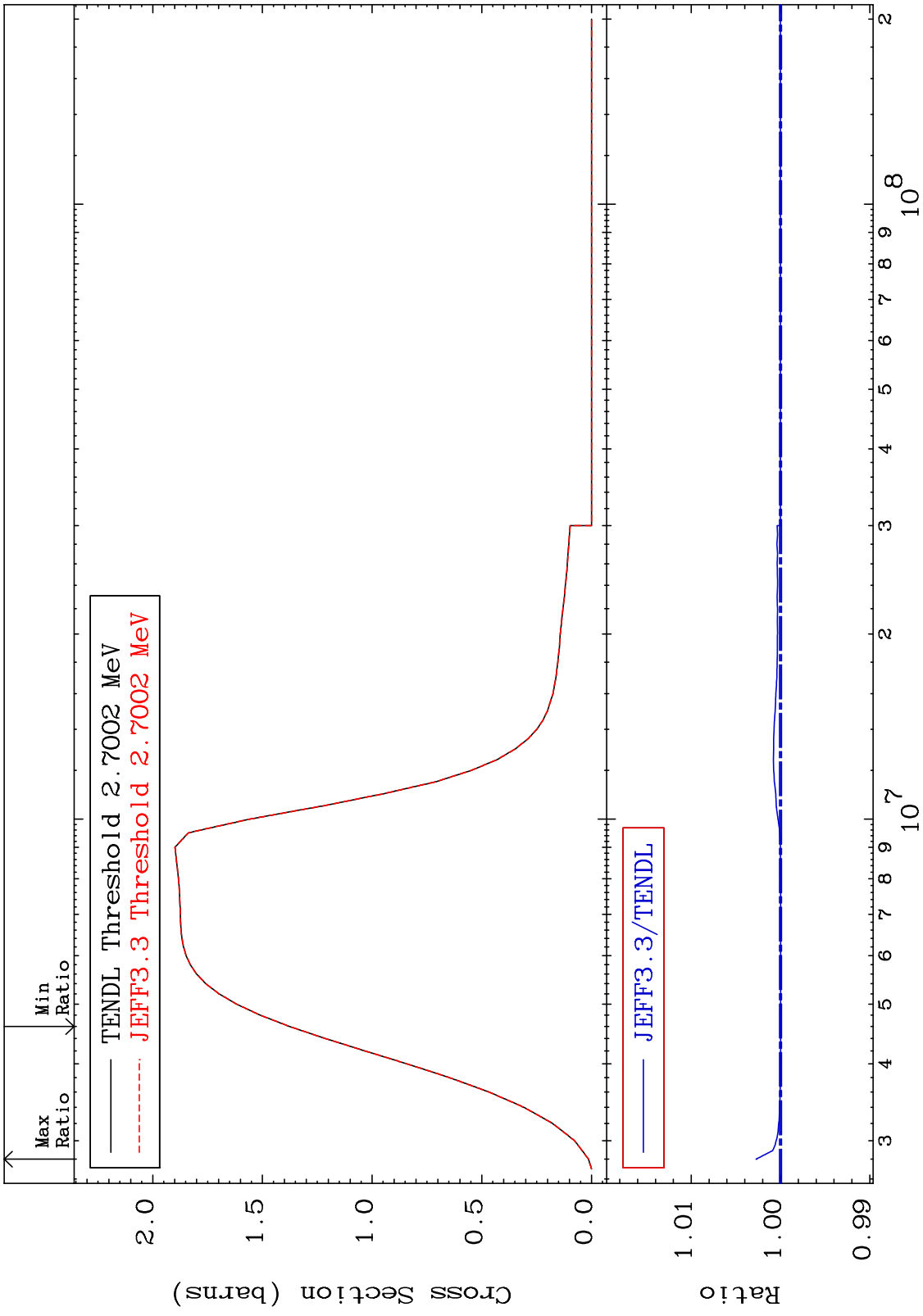
MAT 5243 MT= 78 (n,n') Level Cross Section 52-Te-126
 -0.017 To 0.000 %



MAT 5243 MT= 79 (n, n') Level Cross Section 52-Te-126
 -0.016 To 0.147 %



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



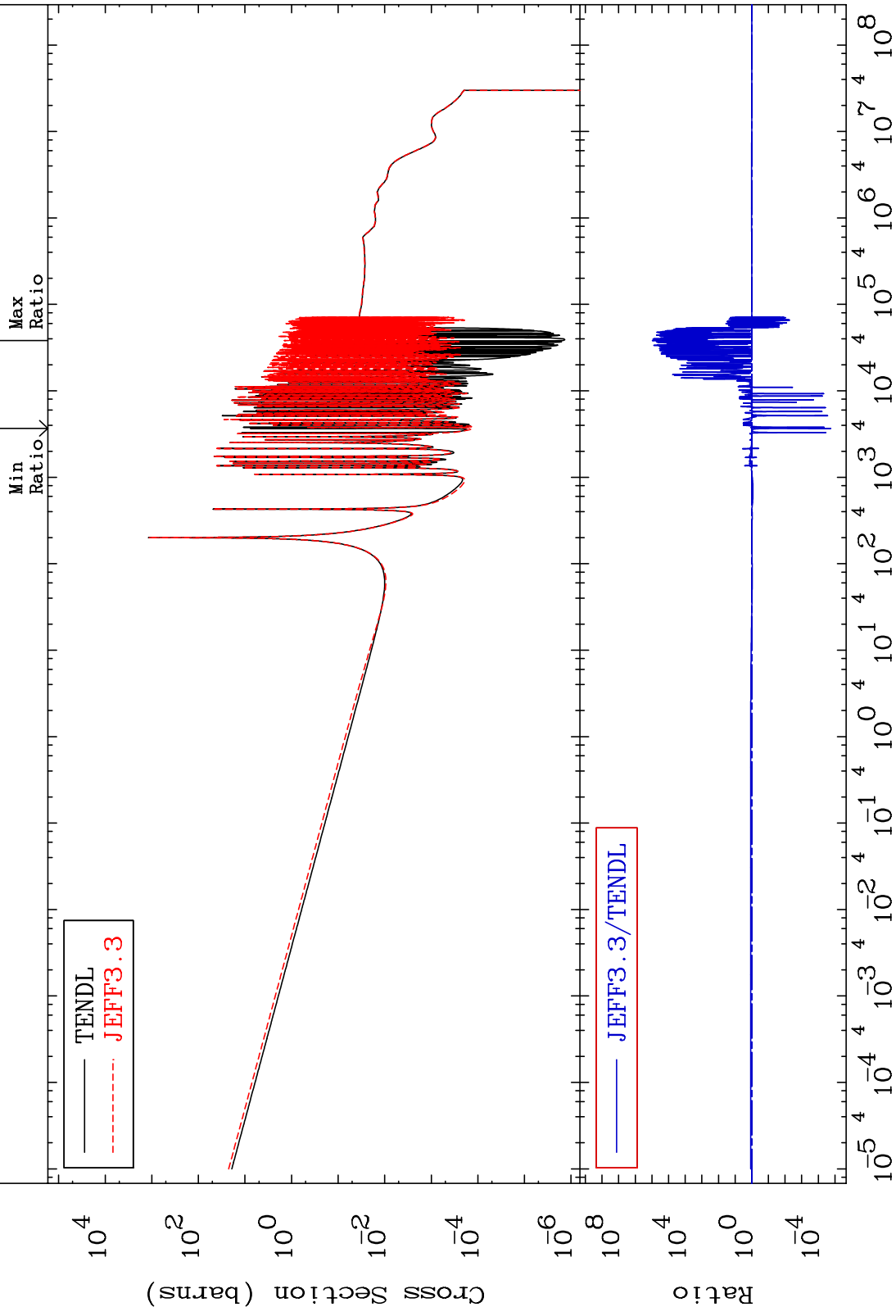
MAT 5243

(n, γ)

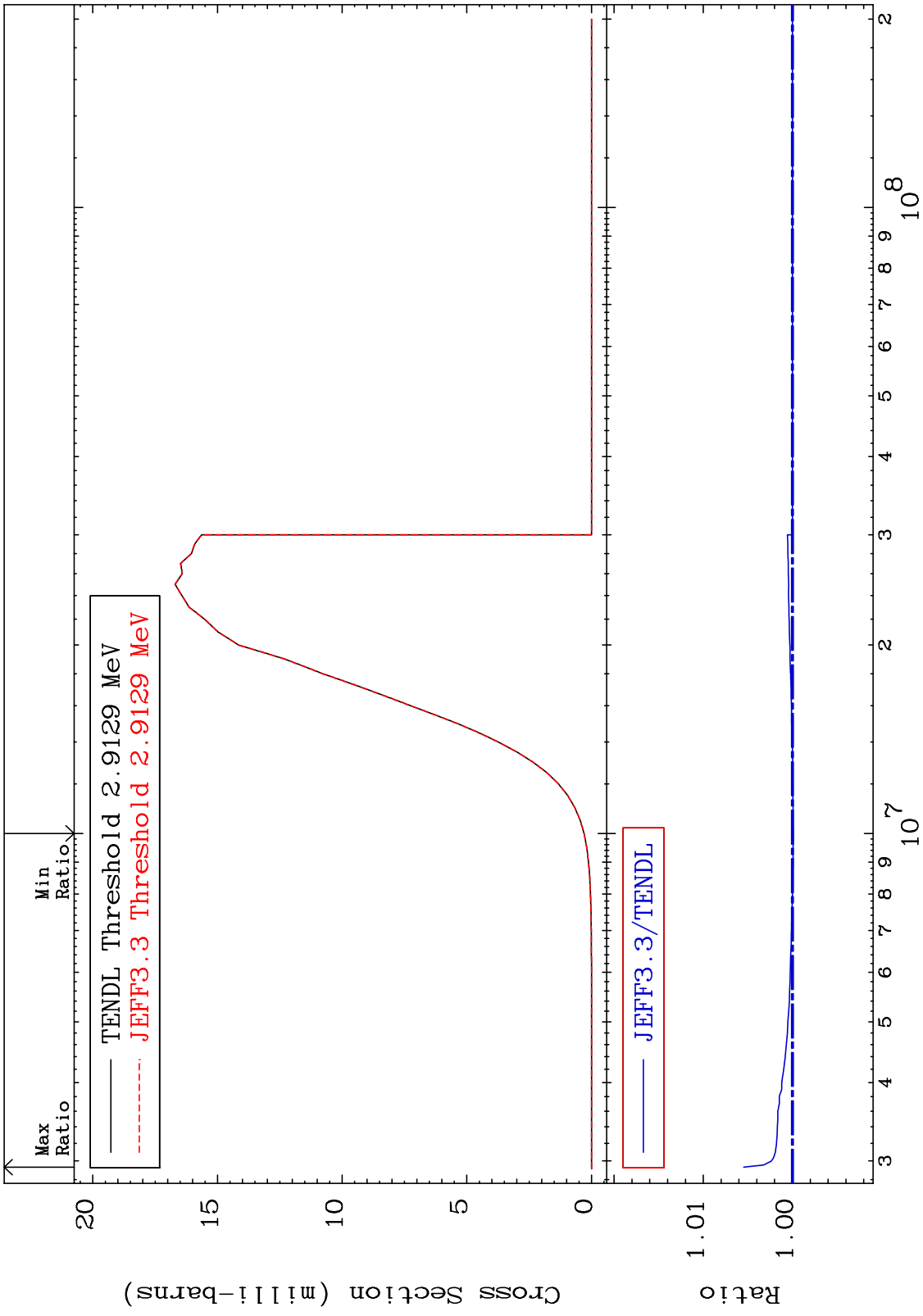
52-Te-126

-100.0 To 9999. %

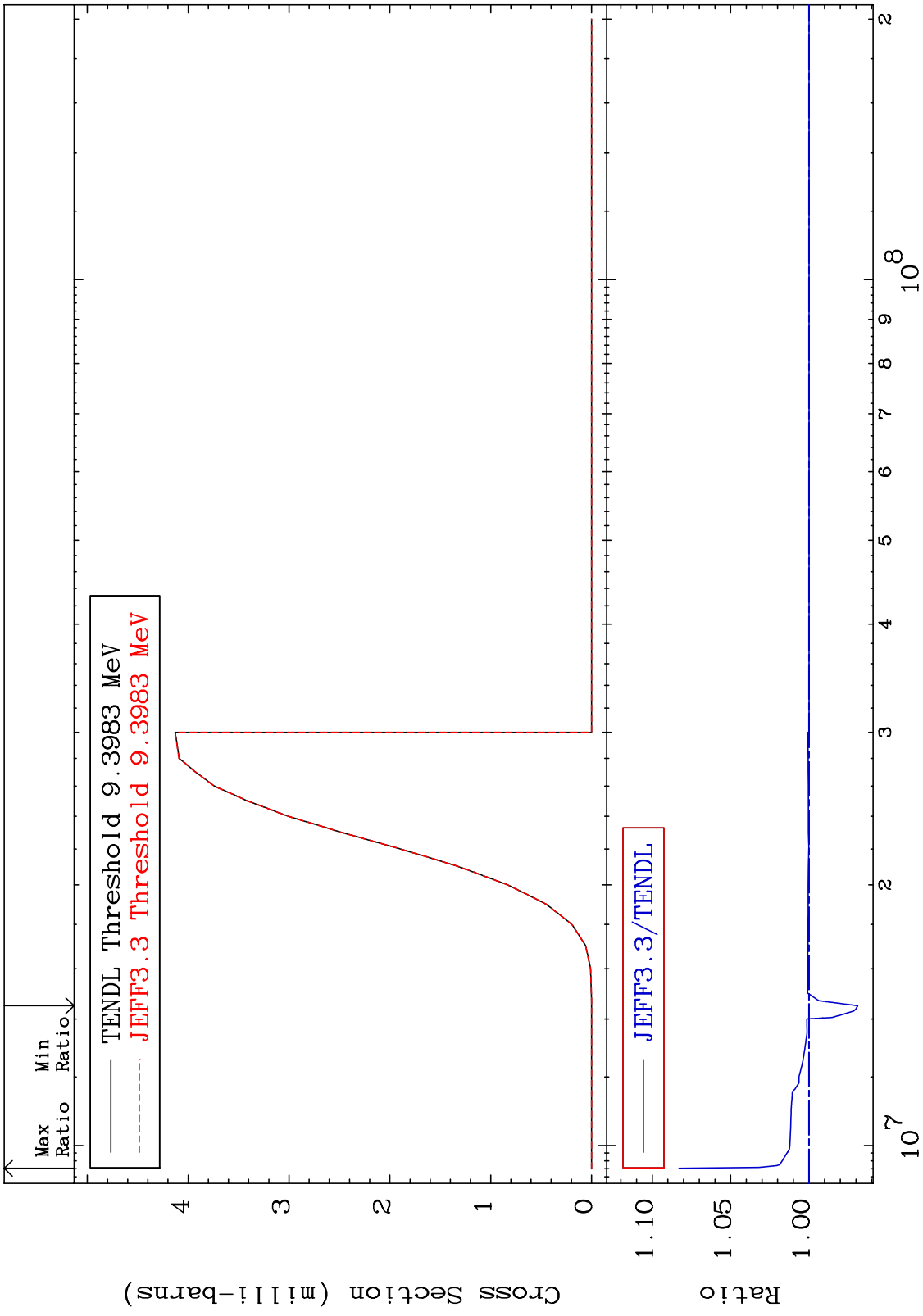
Cross Section



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

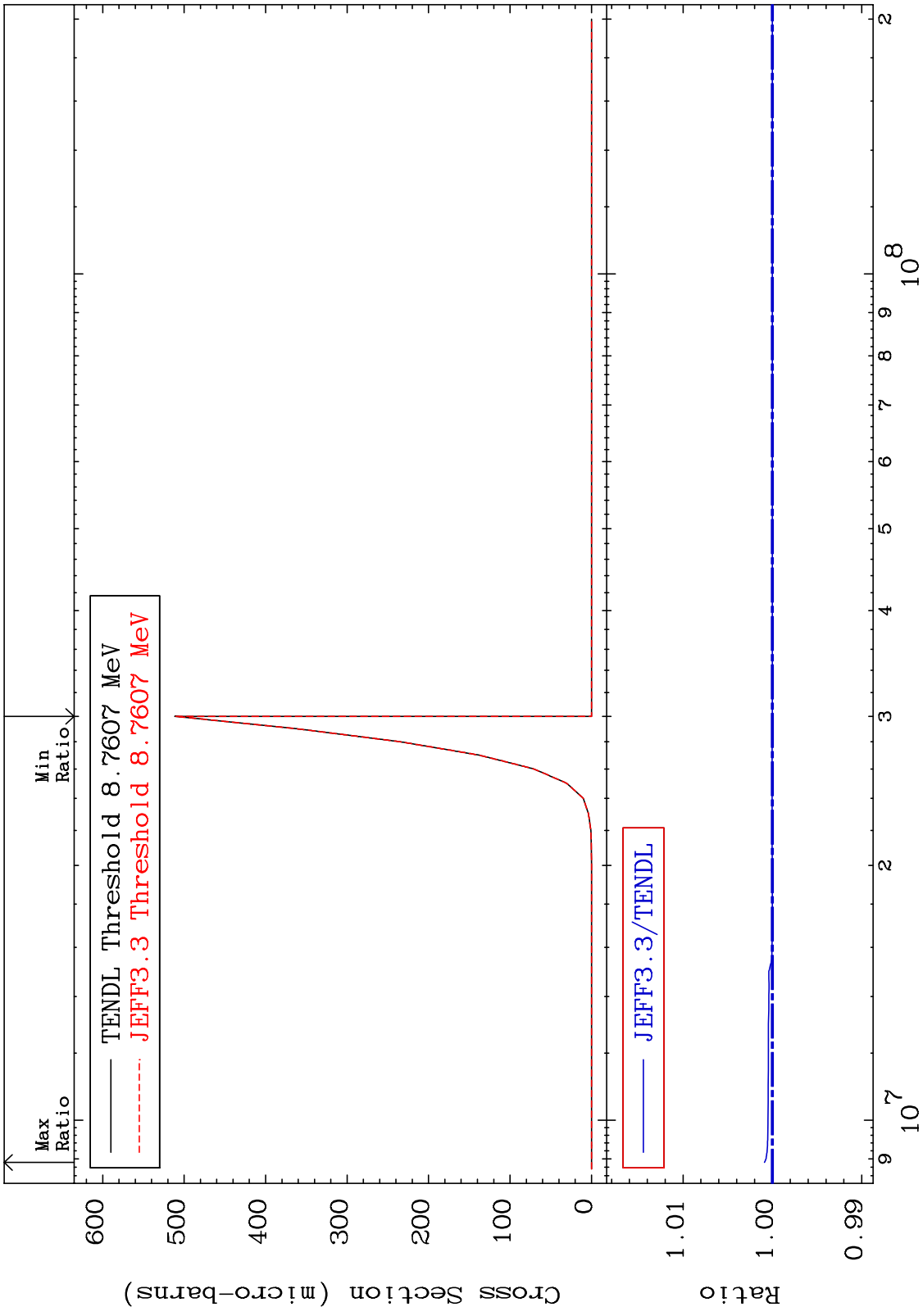


MAT 5243 (n,t) Cross Section 52-Te-126 -3.118 To 8.291 %

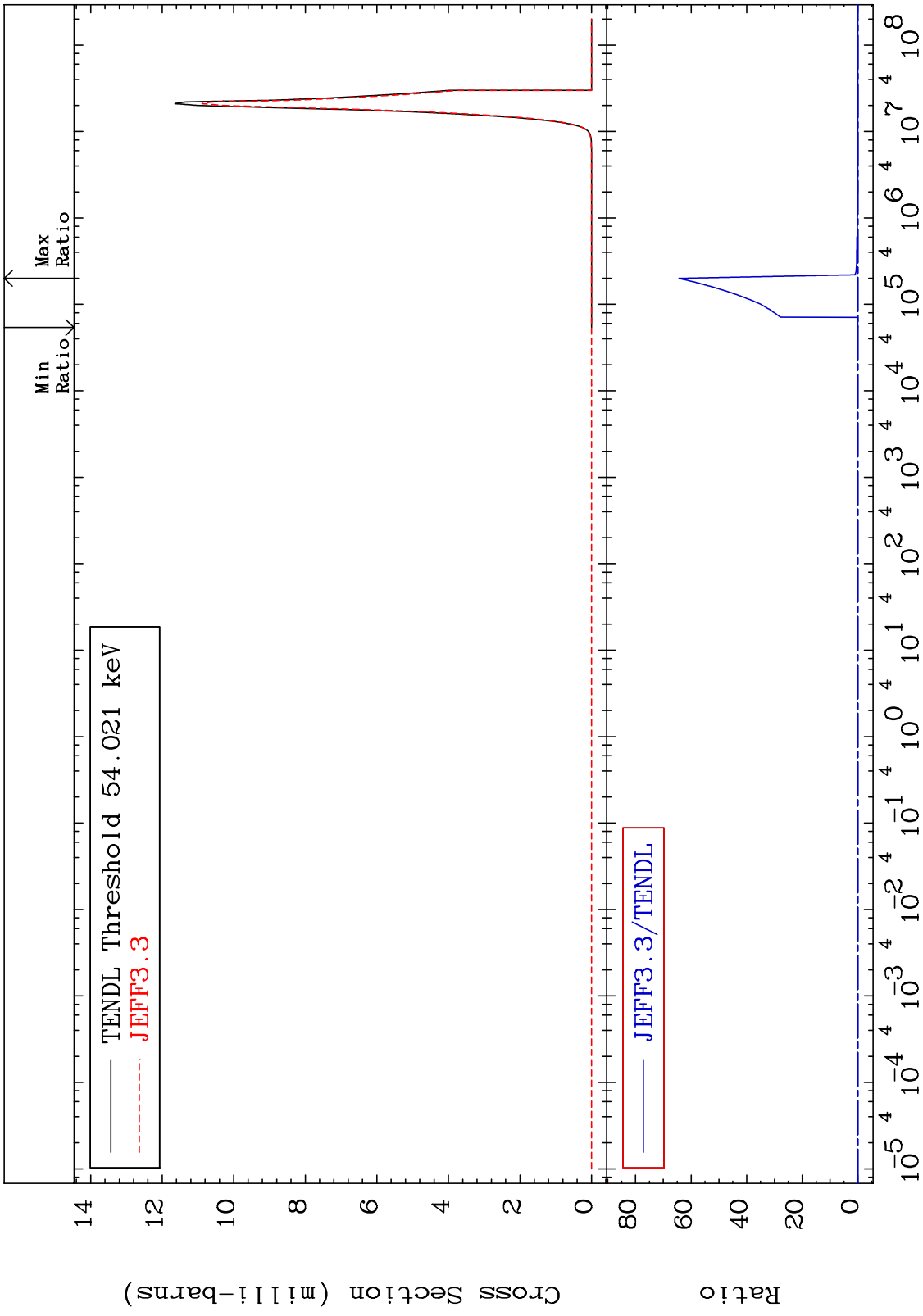


46 52-Te-126

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. %

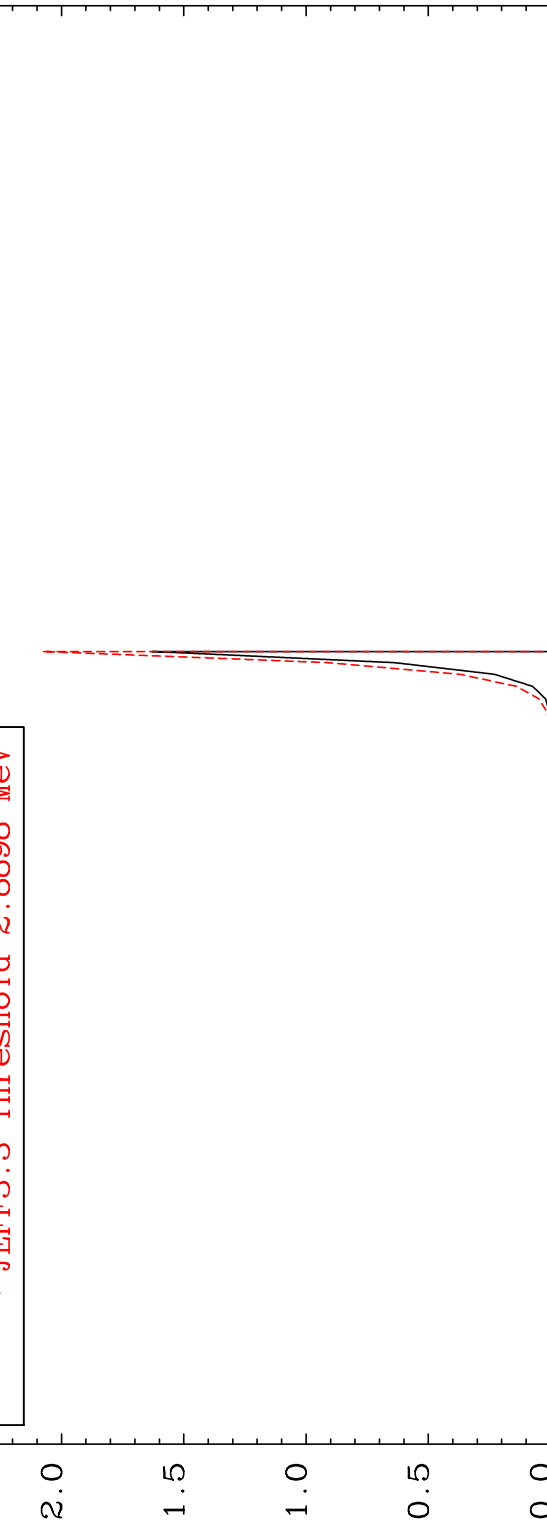
Cross Section

Min Ratio

Max Ratio

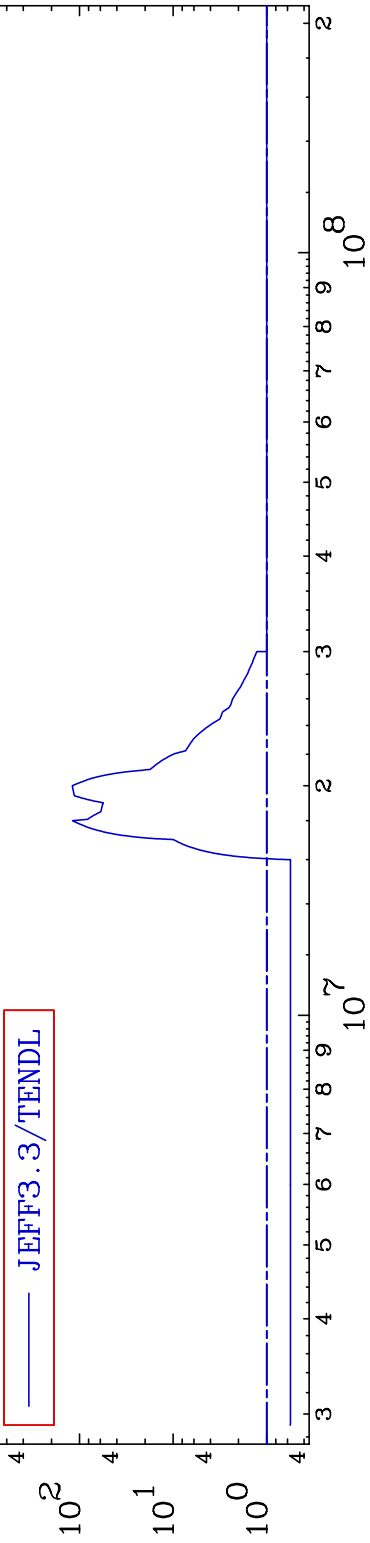
TENDL Threshold 2.8898 MeV
JEFF3.3 Threshold 2.8898 MeV

Cross Section (10^9 barns)

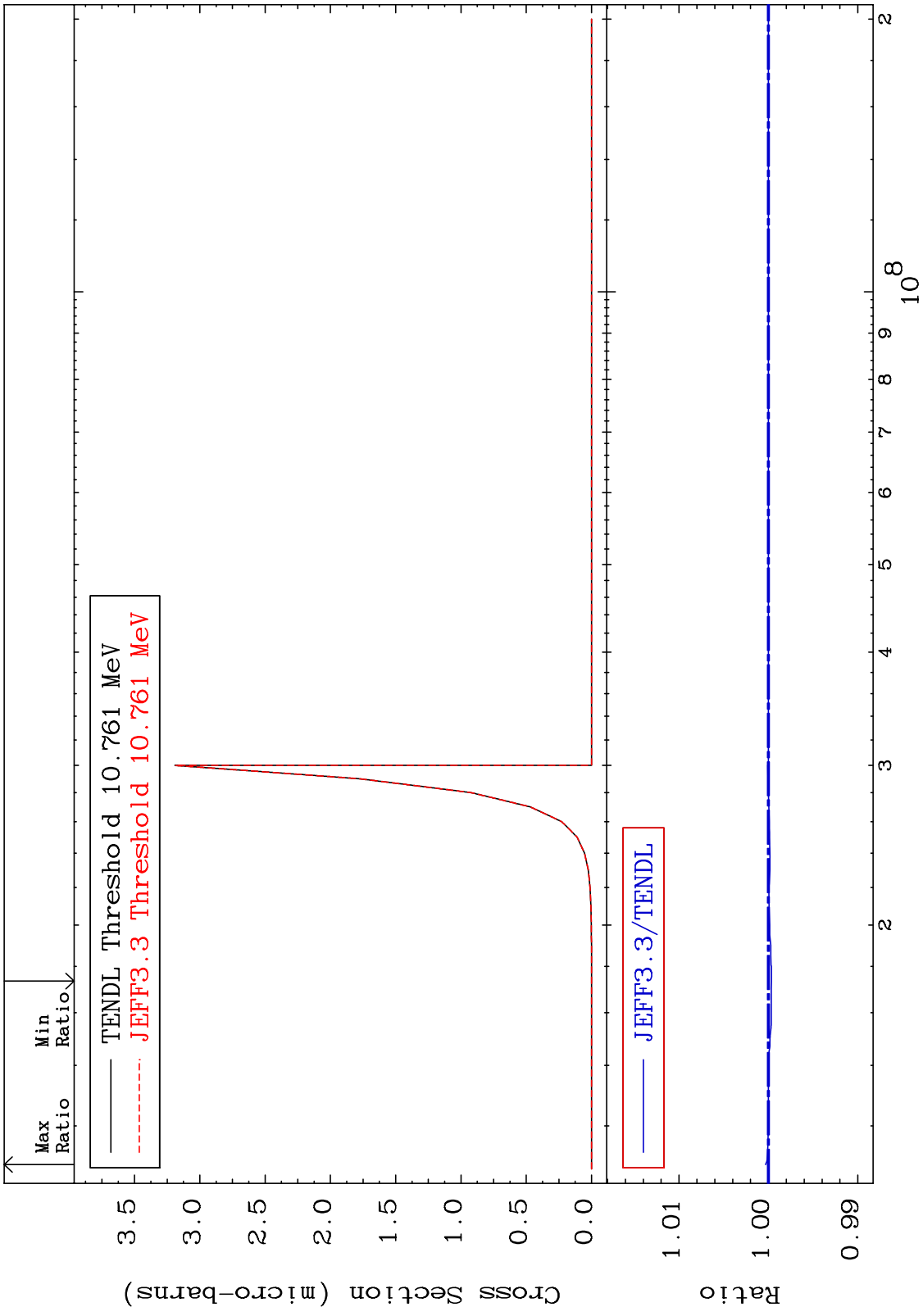


JEFF3.3/TENDL

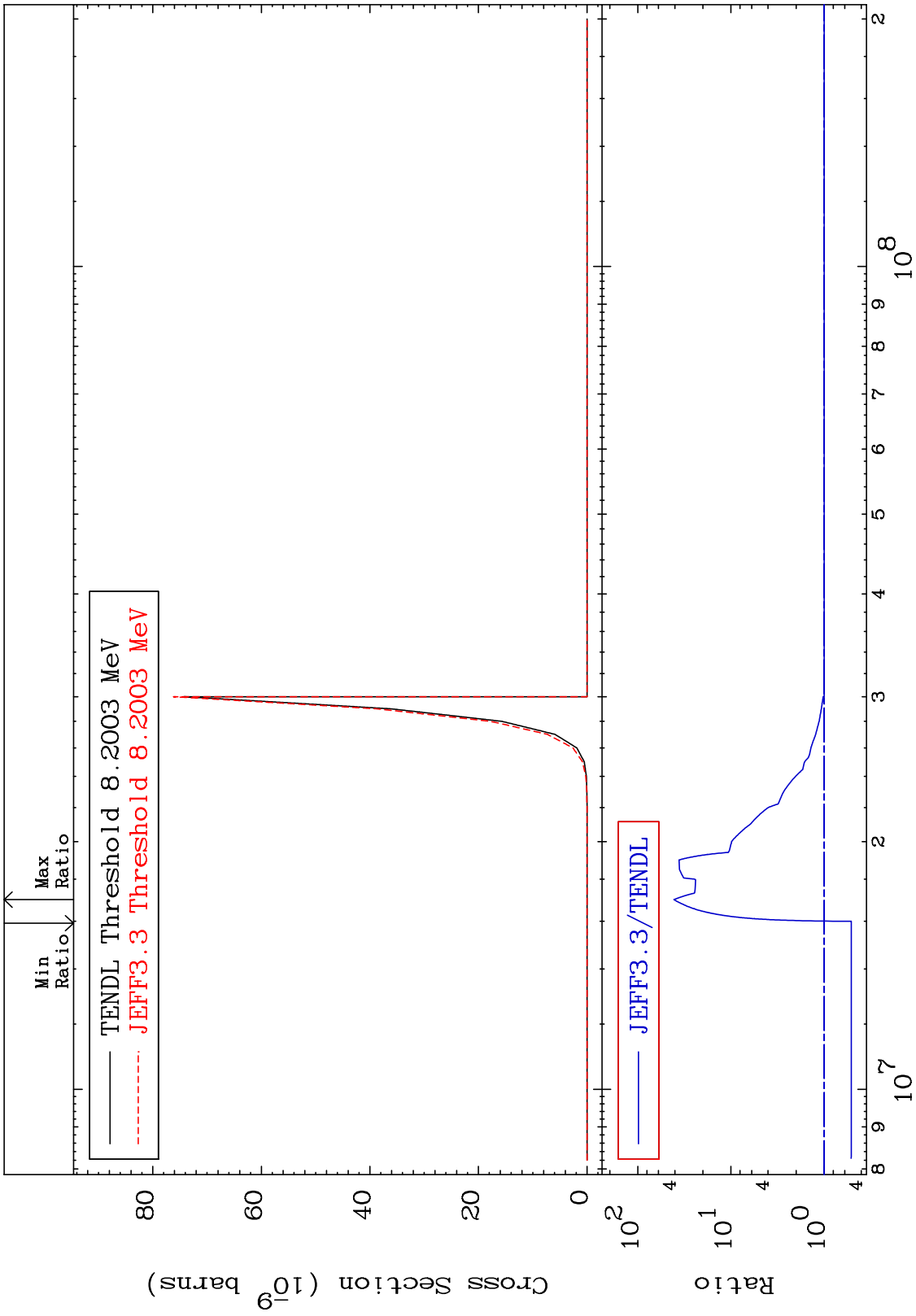
Ratio



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

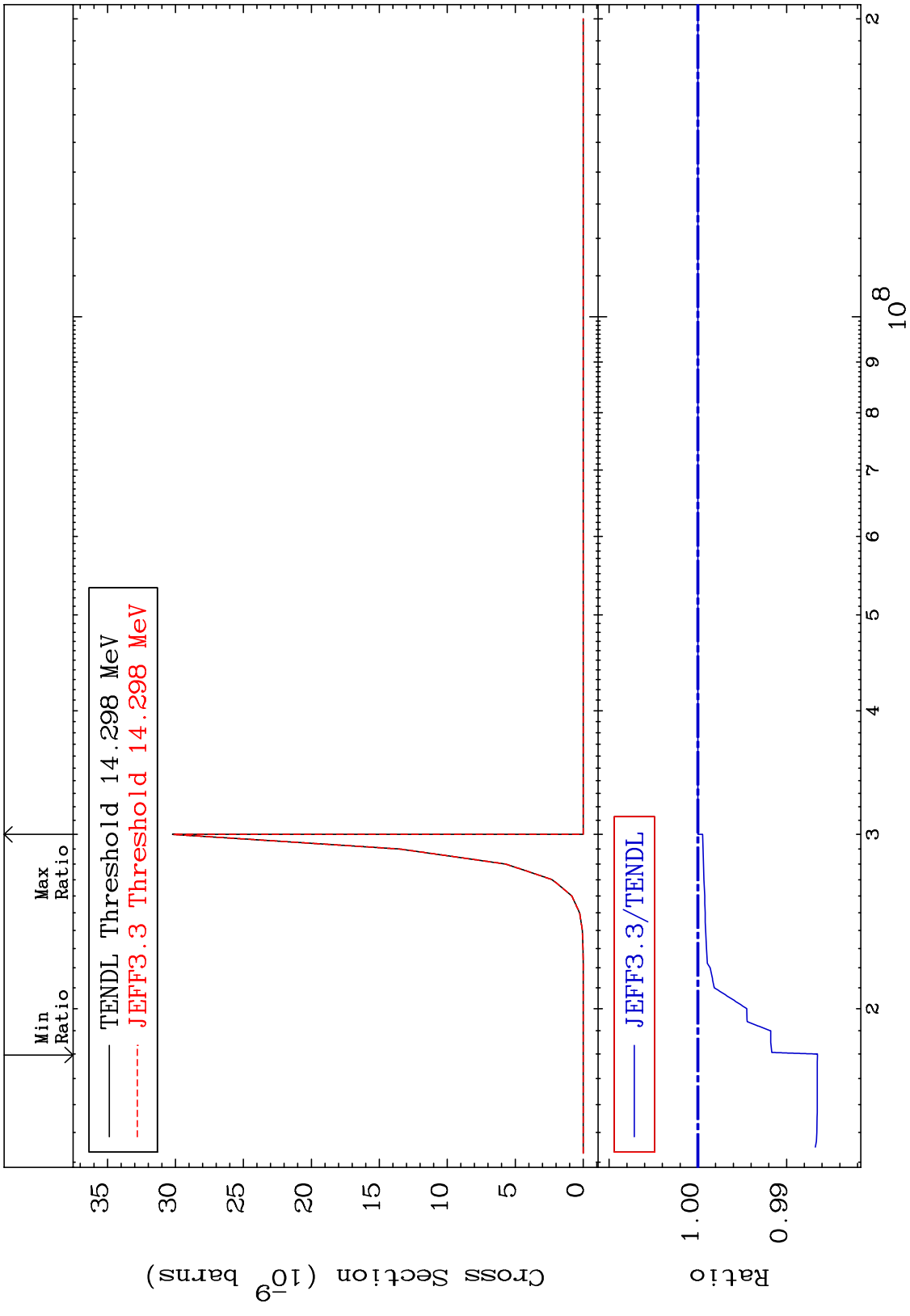


MAT 5243 (n,p) α 52-Te-126
 Cross Section -48.88 To 3998. %

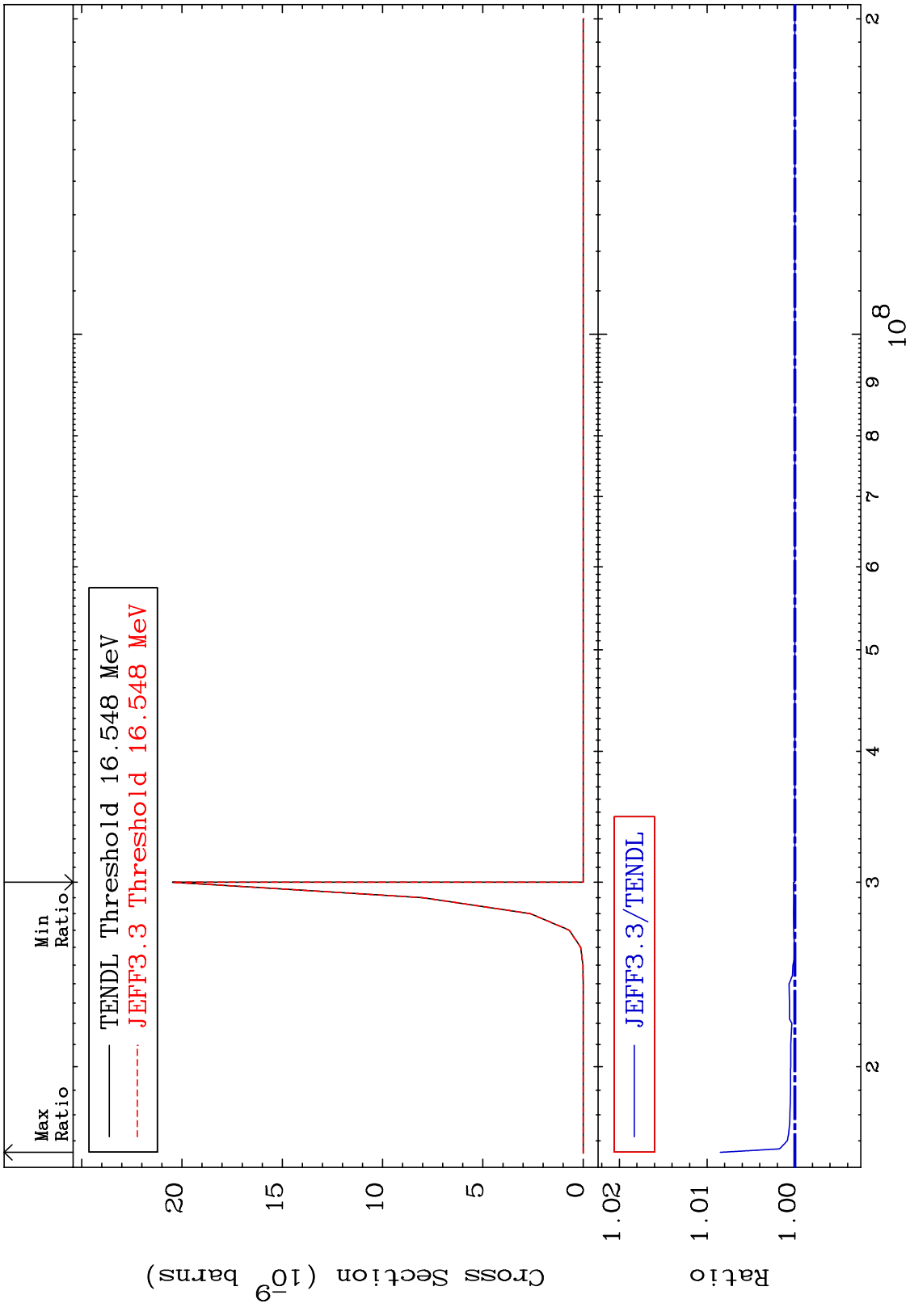


52-Te-126

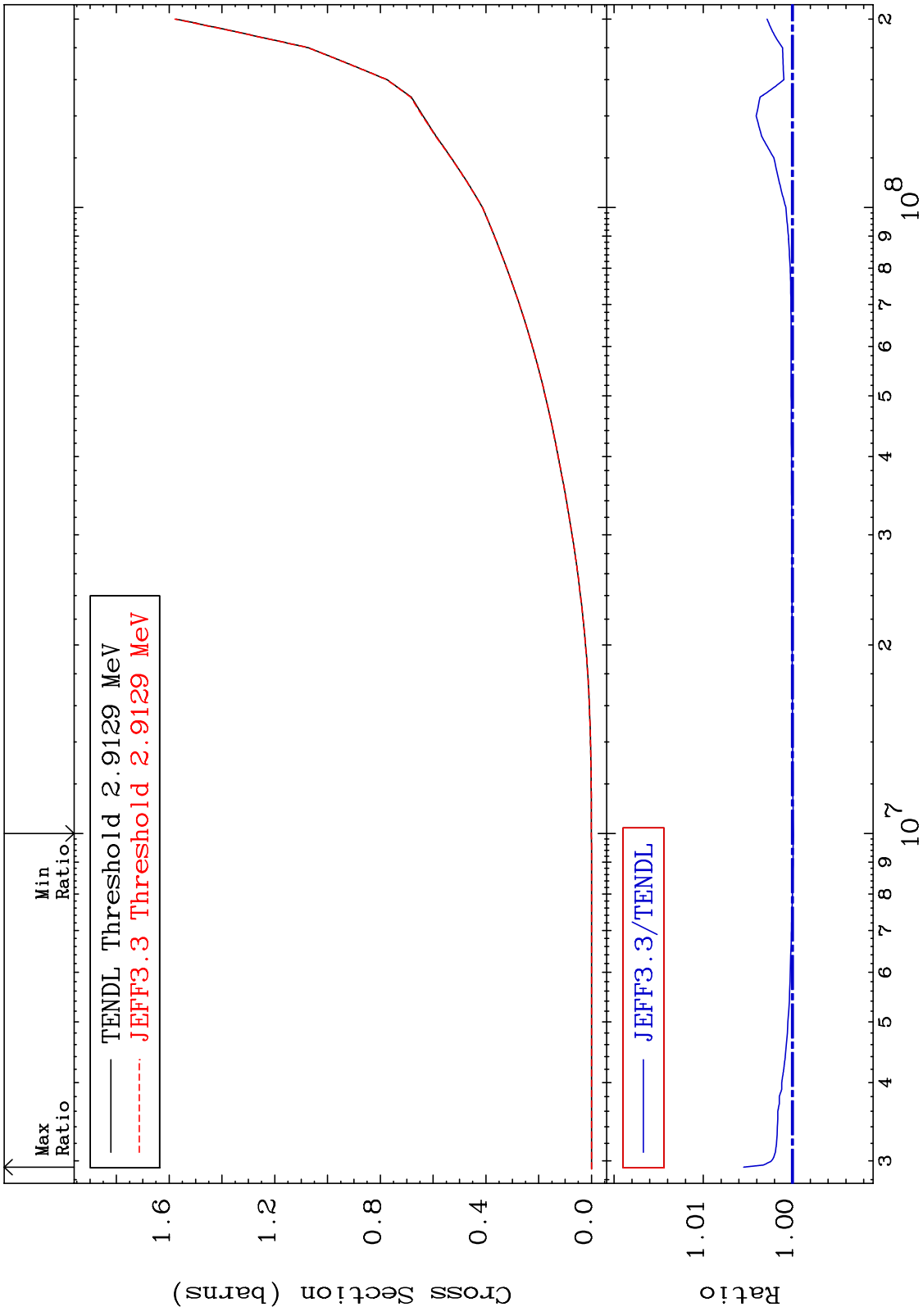
MAT 5243 (n,p) d 52-Te-126
 Cross Section -1.347 To 0.000 %



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



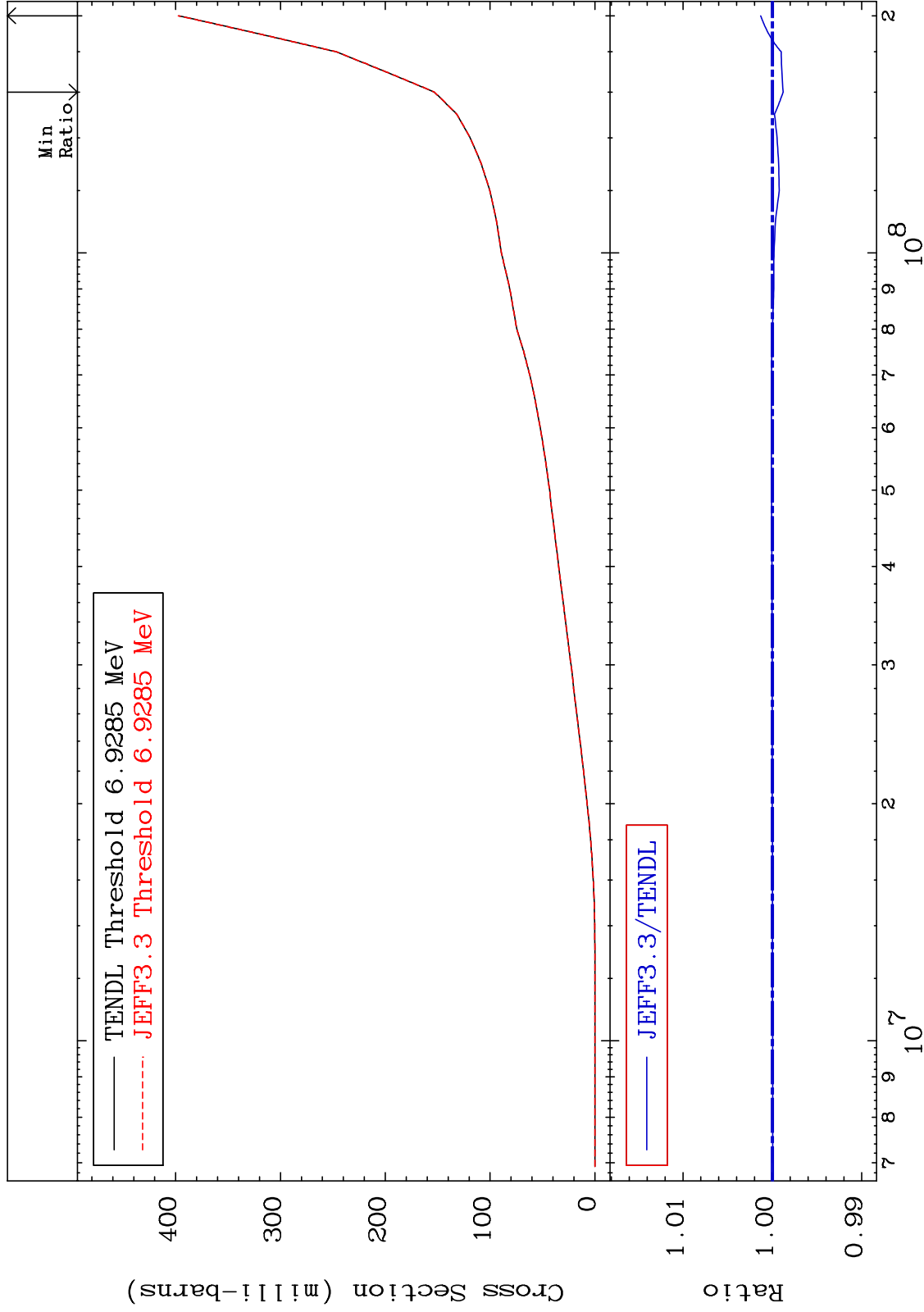
MAT 5243 Hydrogen Production Cross Section 52-Te-126
 -0.009 To 0.547 %



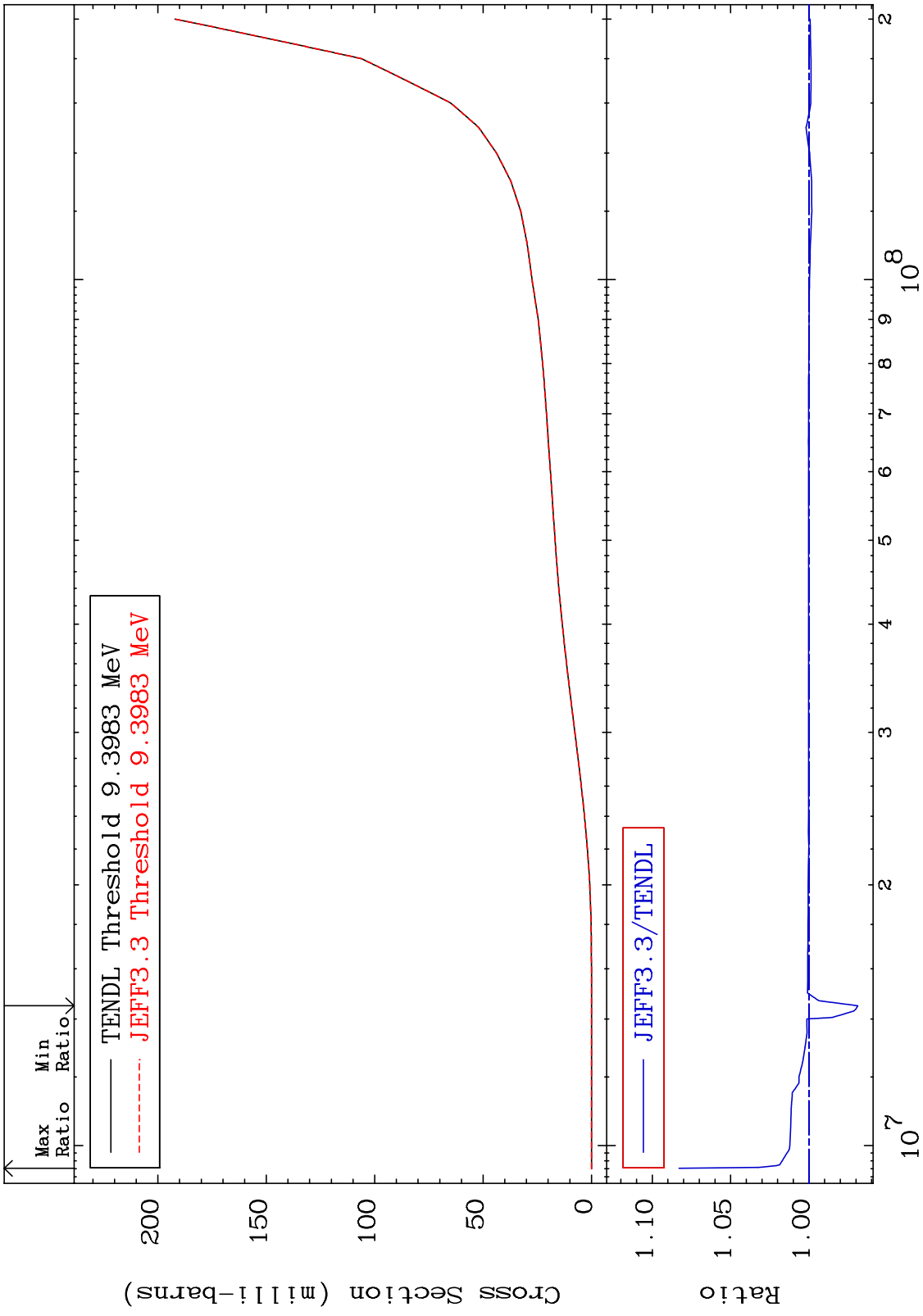
MAT 5243

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 %

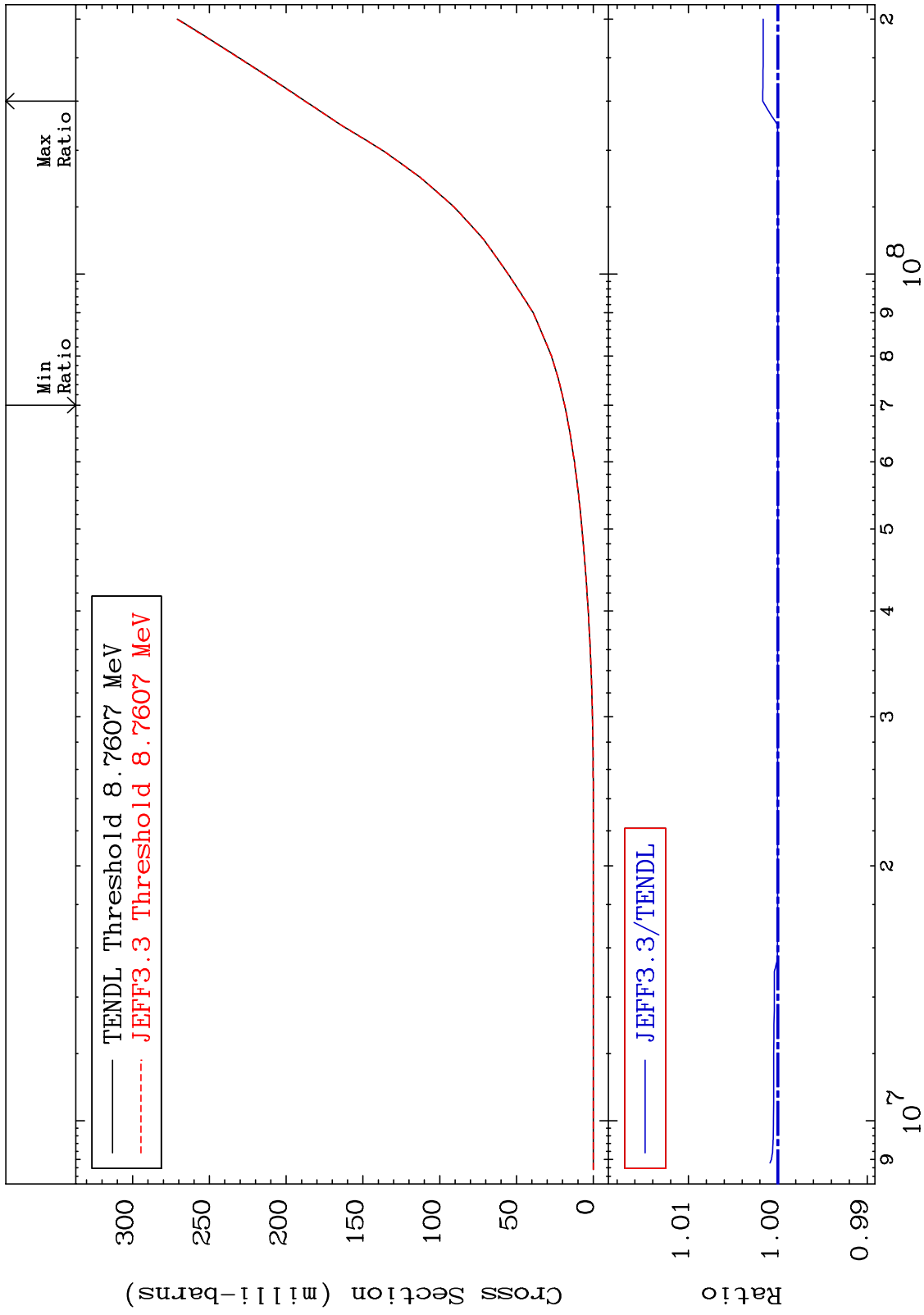


56 52-Te-126 Incident Energy (eV)

MAT 5243

He-3 Production
Cross Section

52-Te-126
To 0.170 %



57

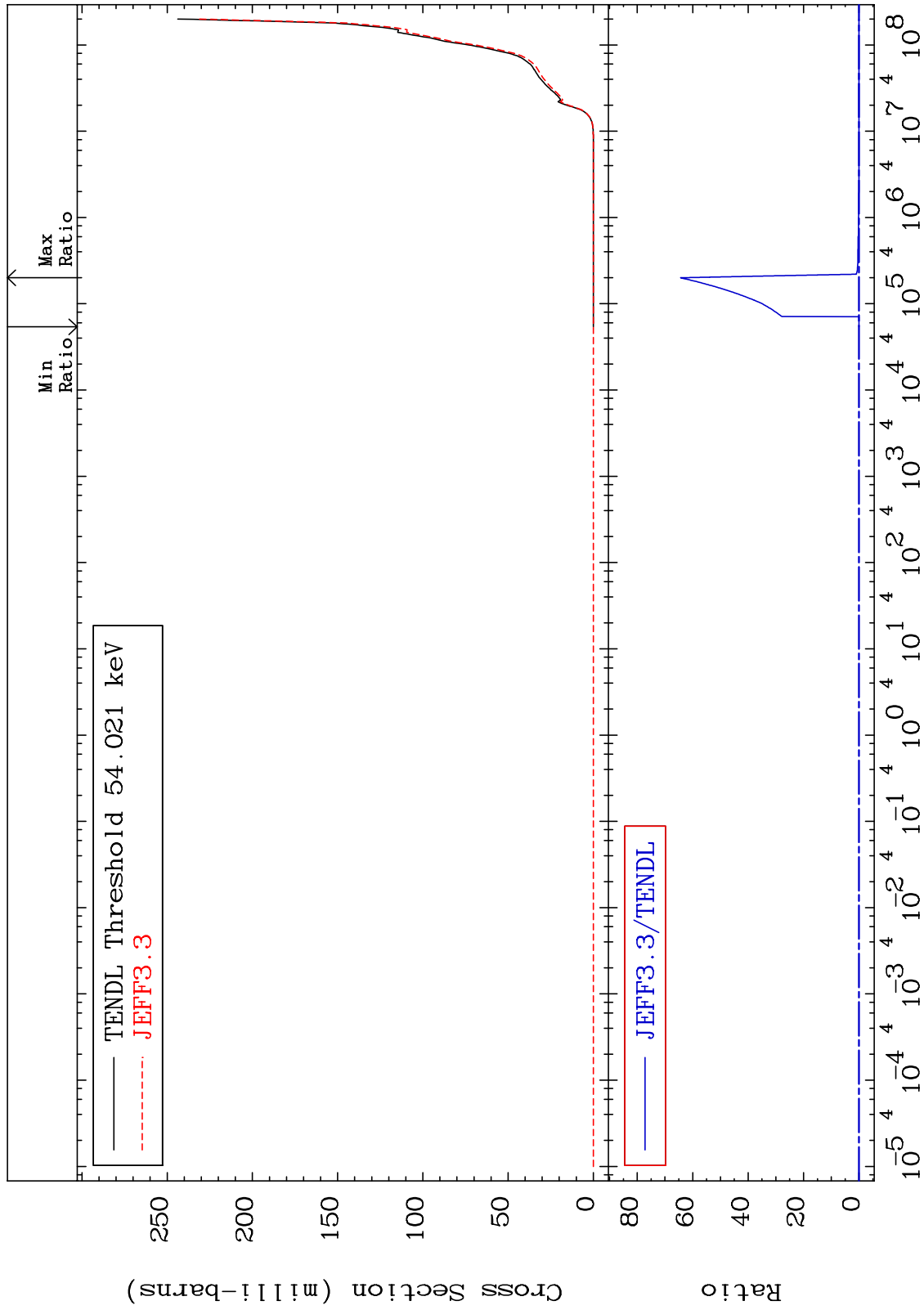
Incident Energy (eV)

52-Te-126

MAT 5243

He-4 Production
Cross Section

52-Te-126
-100.0 To 9999. %



58

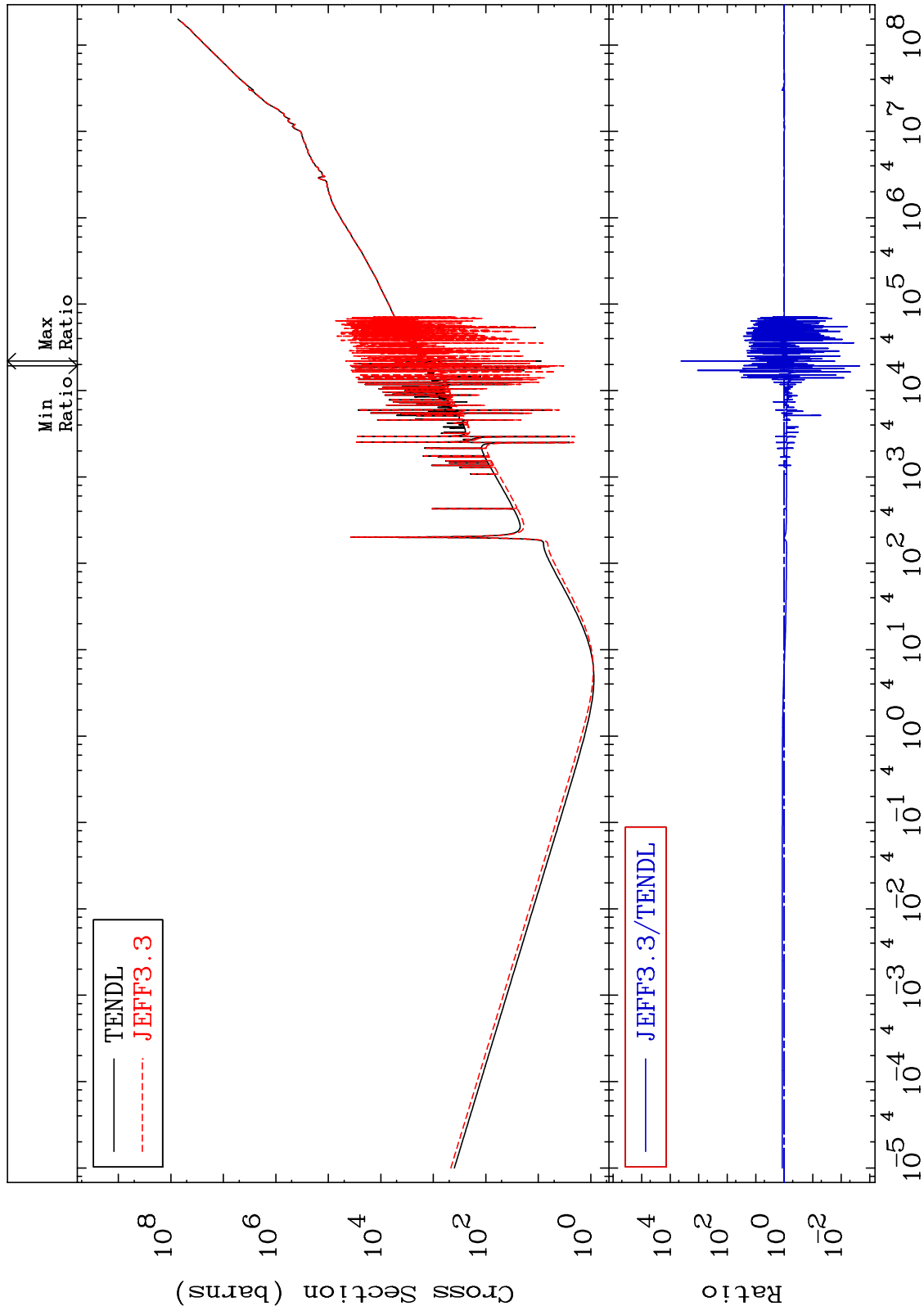
Incident Energy (eV)

52-Te-126

MAT 5243

Kerma total (eV-barns)
Cross Section

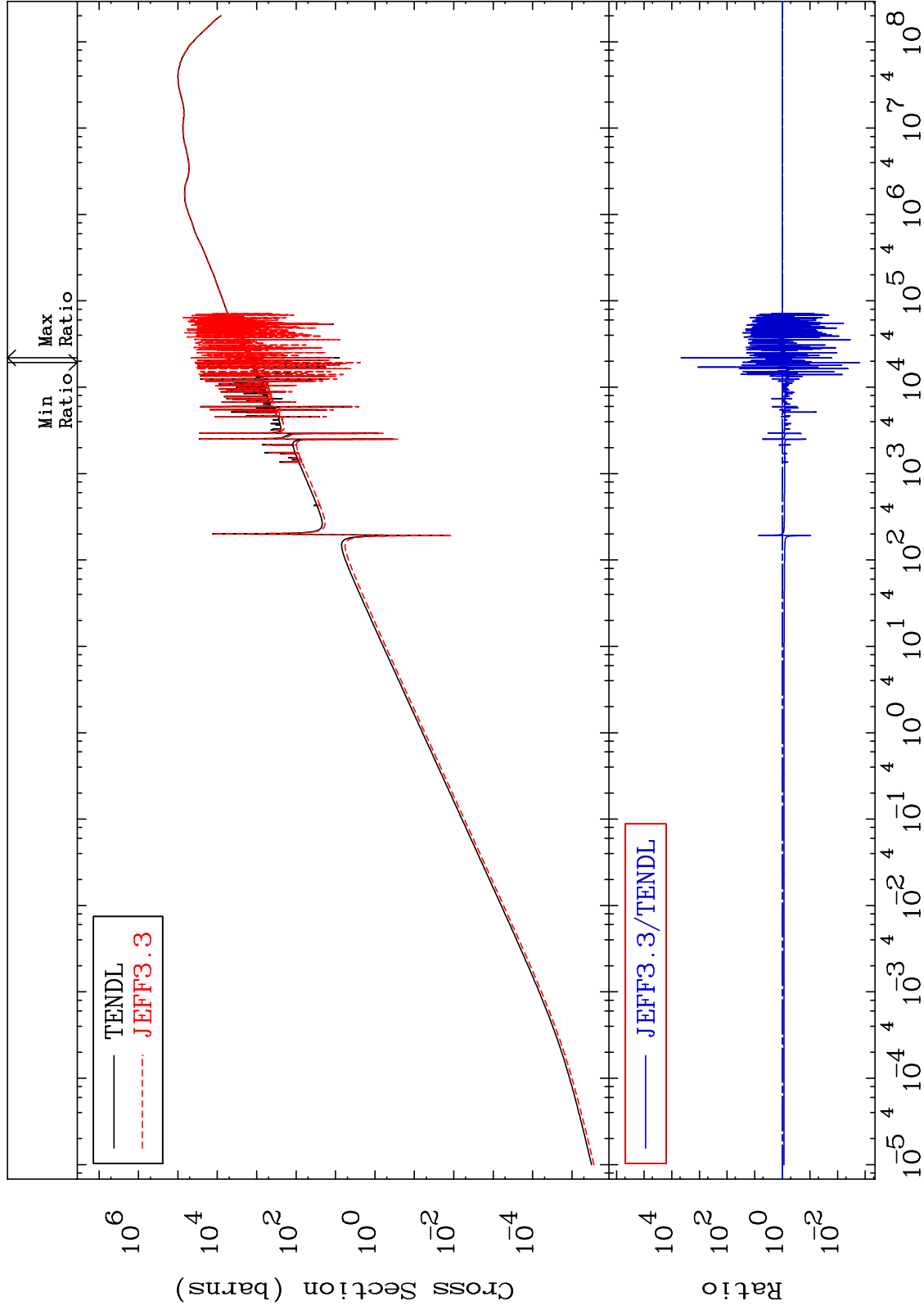
52-Te-126
-99.78 To 9999. %



MAT 5243

Kerma elastic
Cross Section

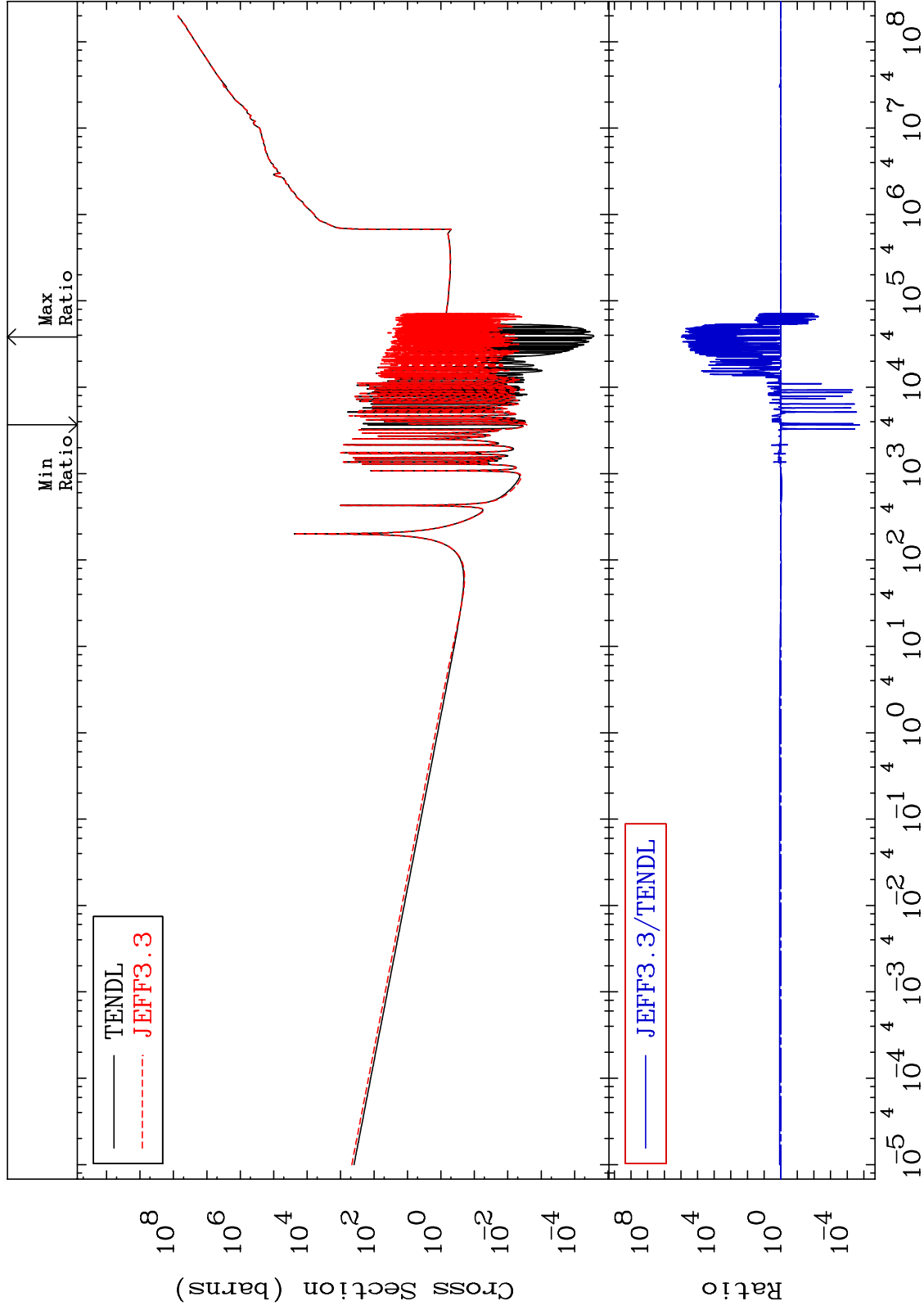
52-Te-126
-99.84 To 9999. %

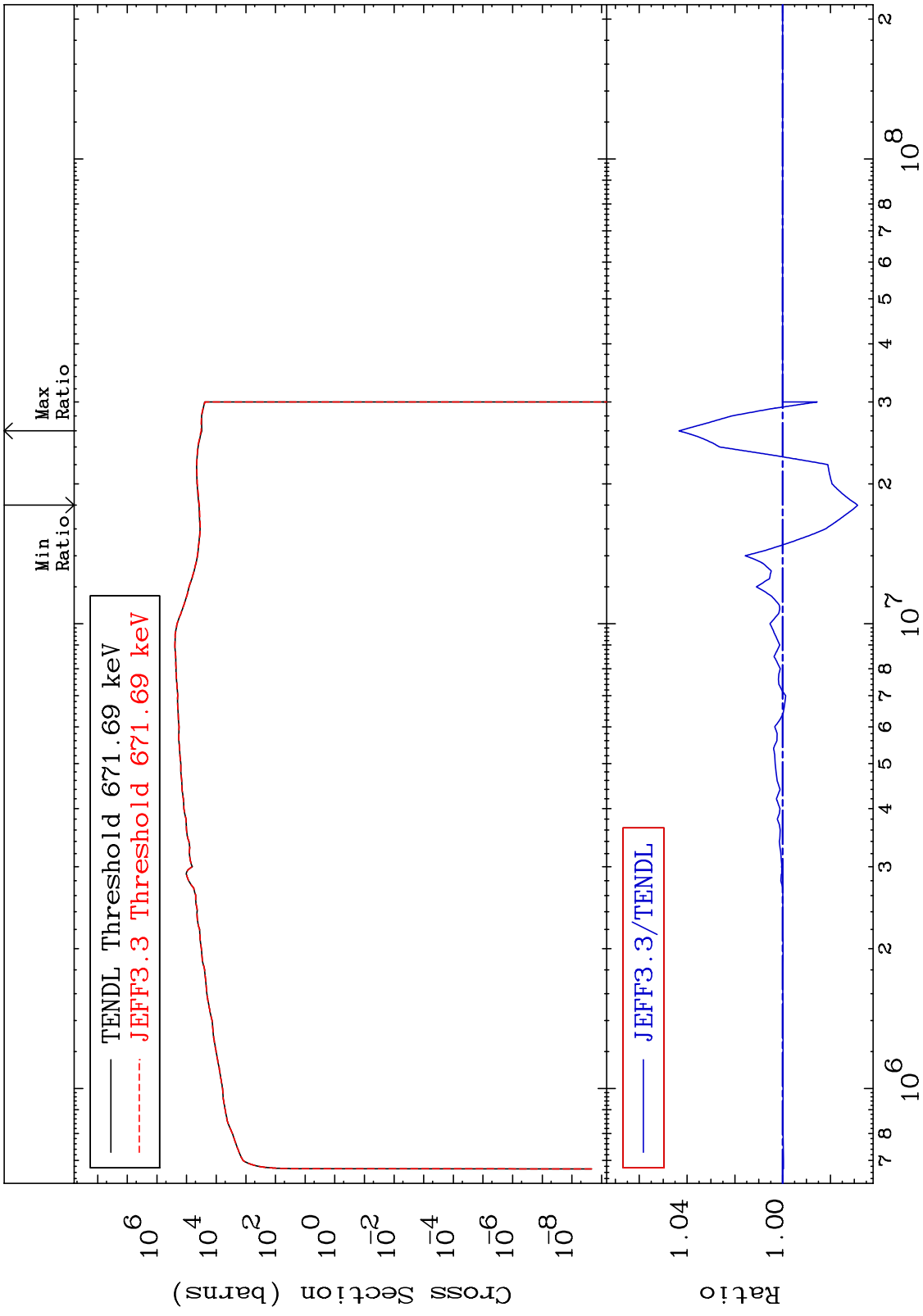


MAT 5243

Kerma non-elastic (all but mt2)
Cross Section

52-Te-126
-100.0 To 9999. %

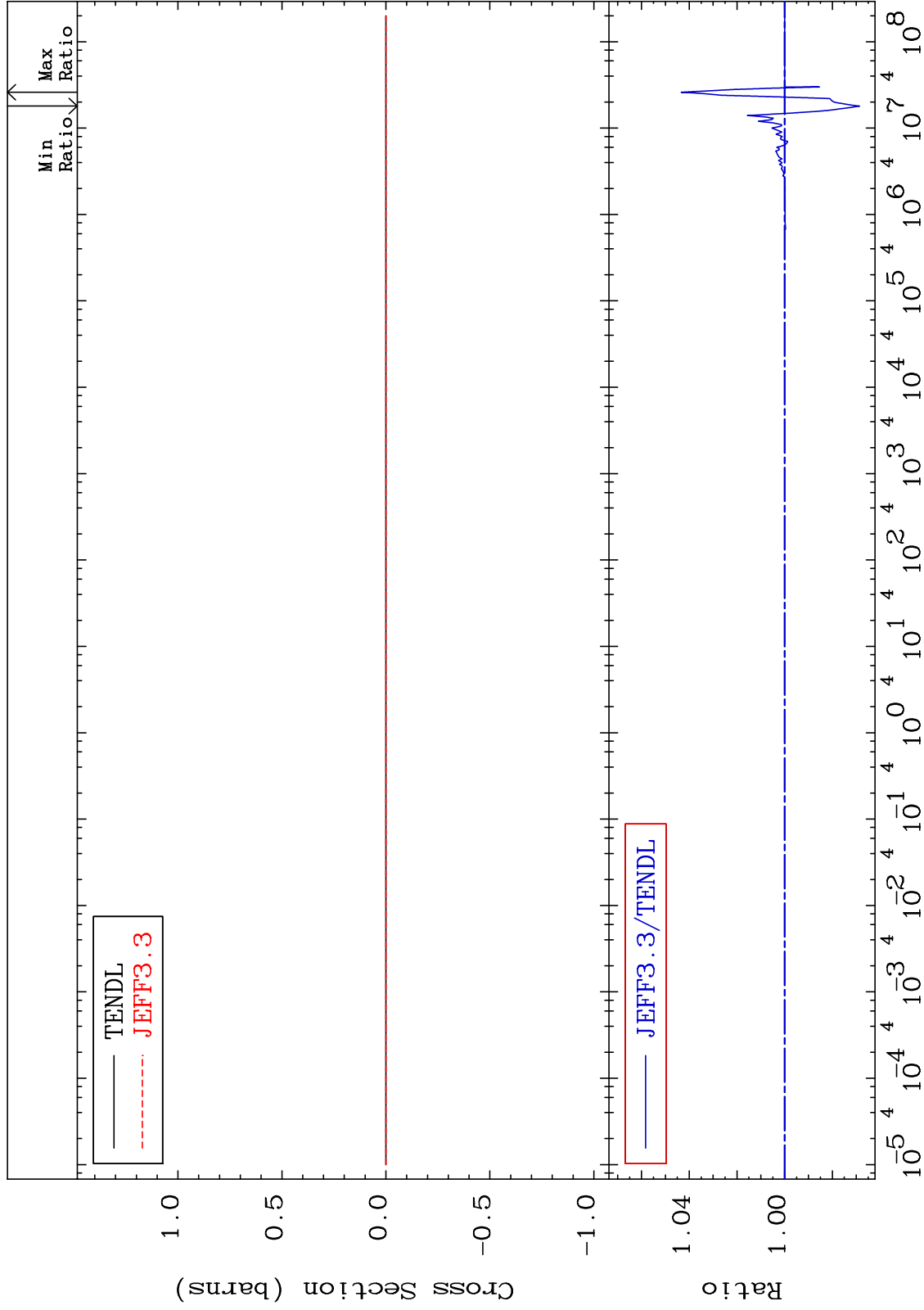




MAT 5243

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

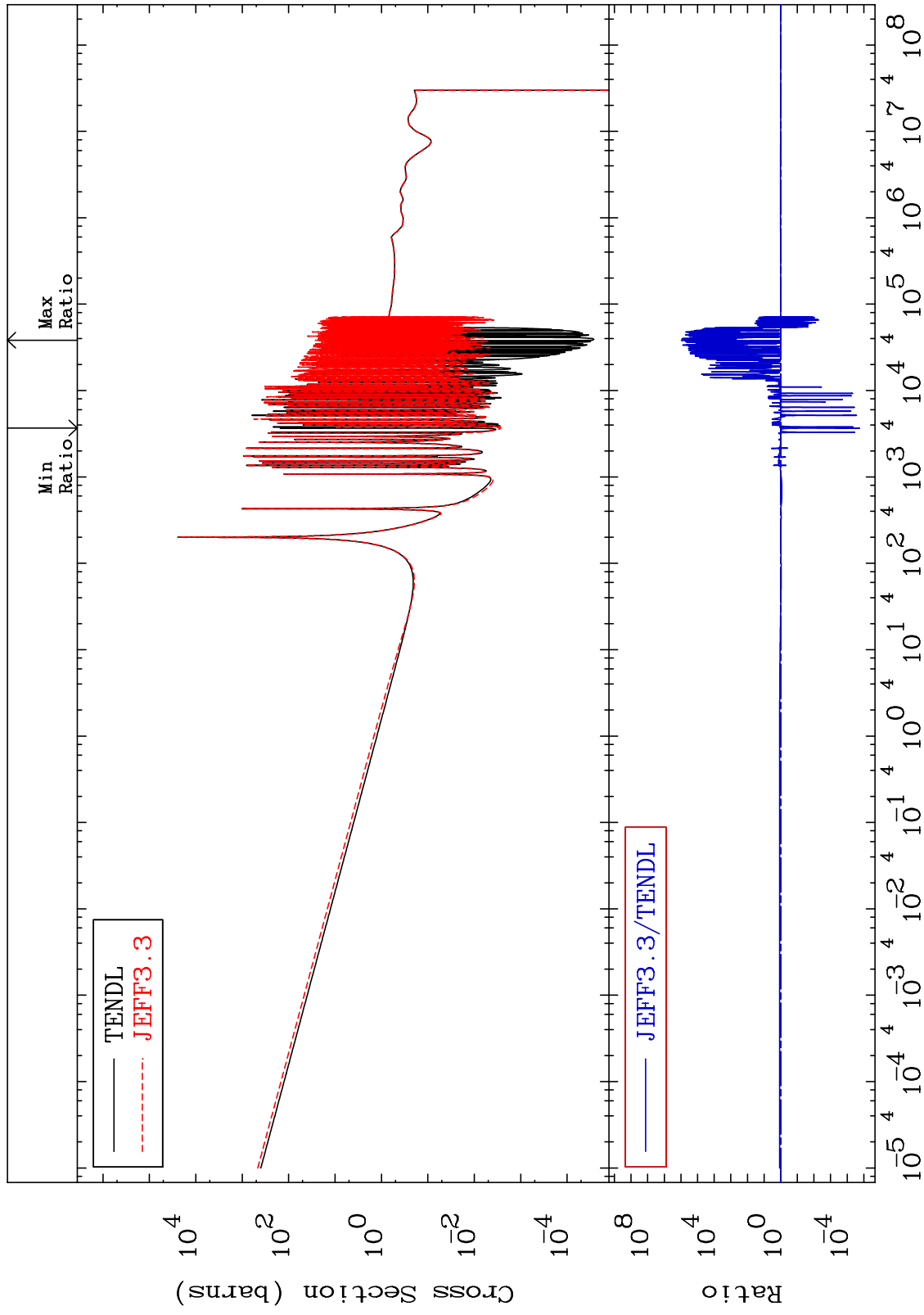
52-Te-126
-3.147 To 4.335 %



MAT 5243

Kerma capture (mt102)
Cross Section

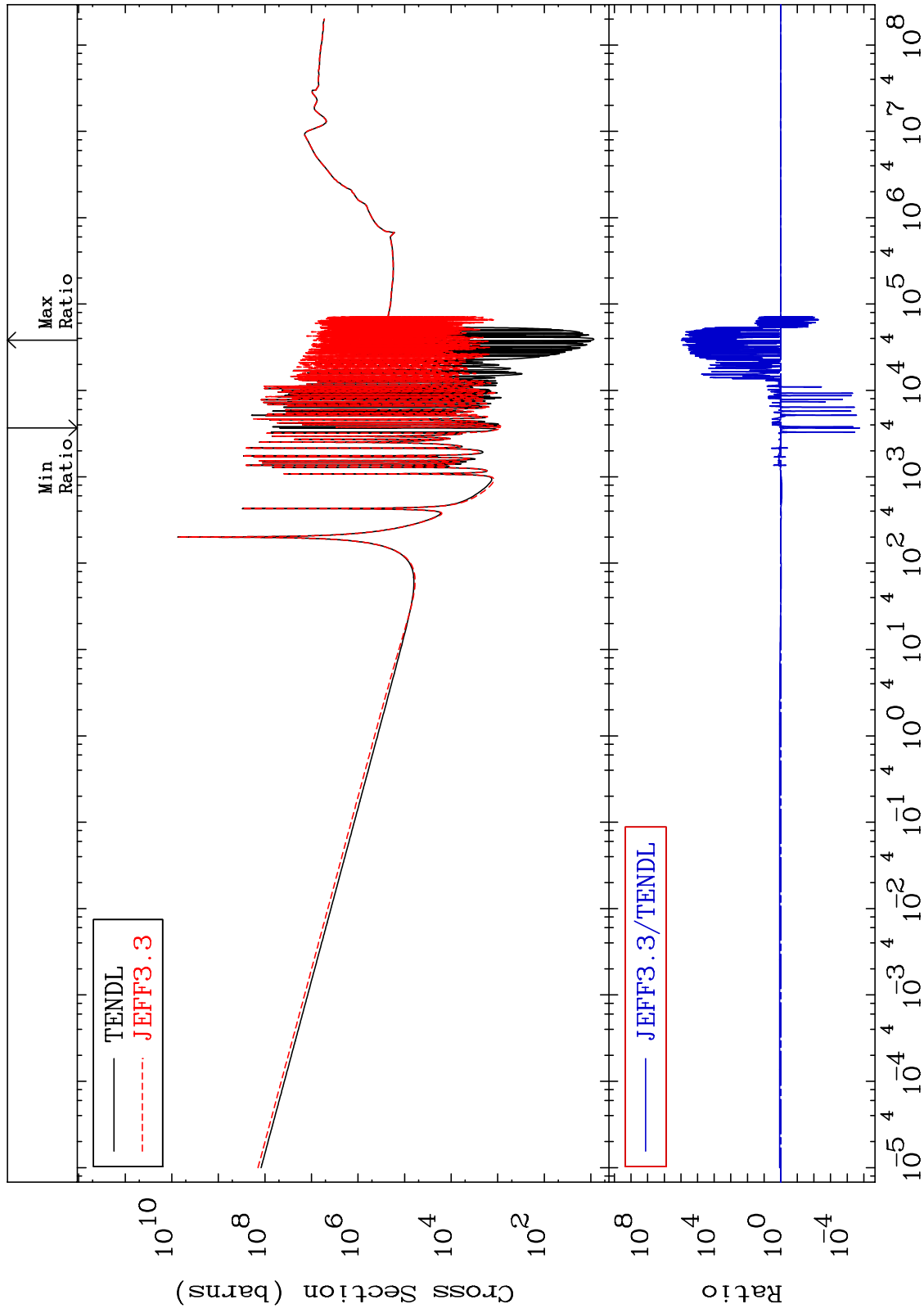
52-Te-126
-100.0 To 9999. %



MAT 5243

Total photon (eV-barns)
Cross Section

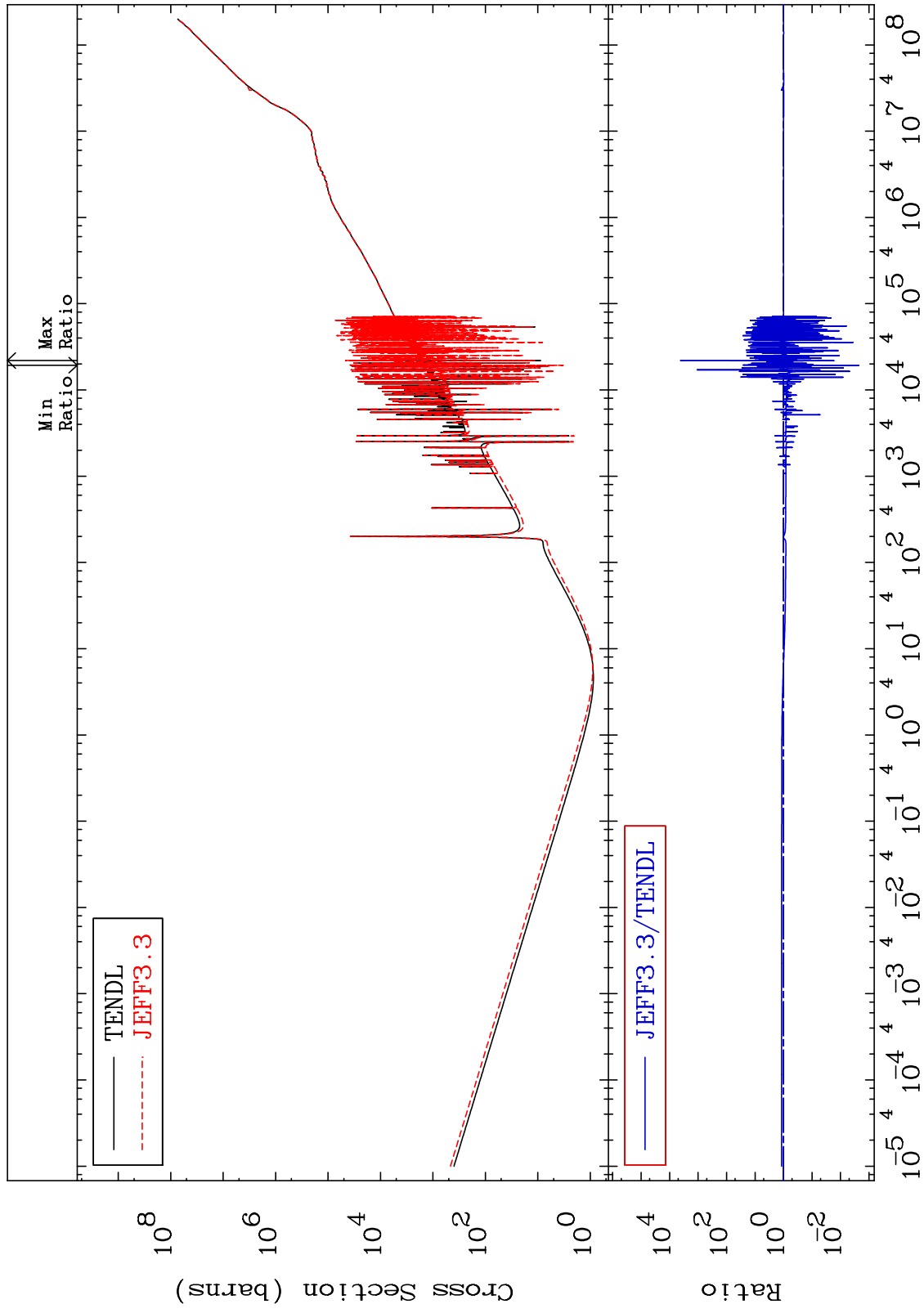
52-Te-126
-100.0 To 9999. %



MAT 5243

Total kinematic kerma (high limit)
Cross Section

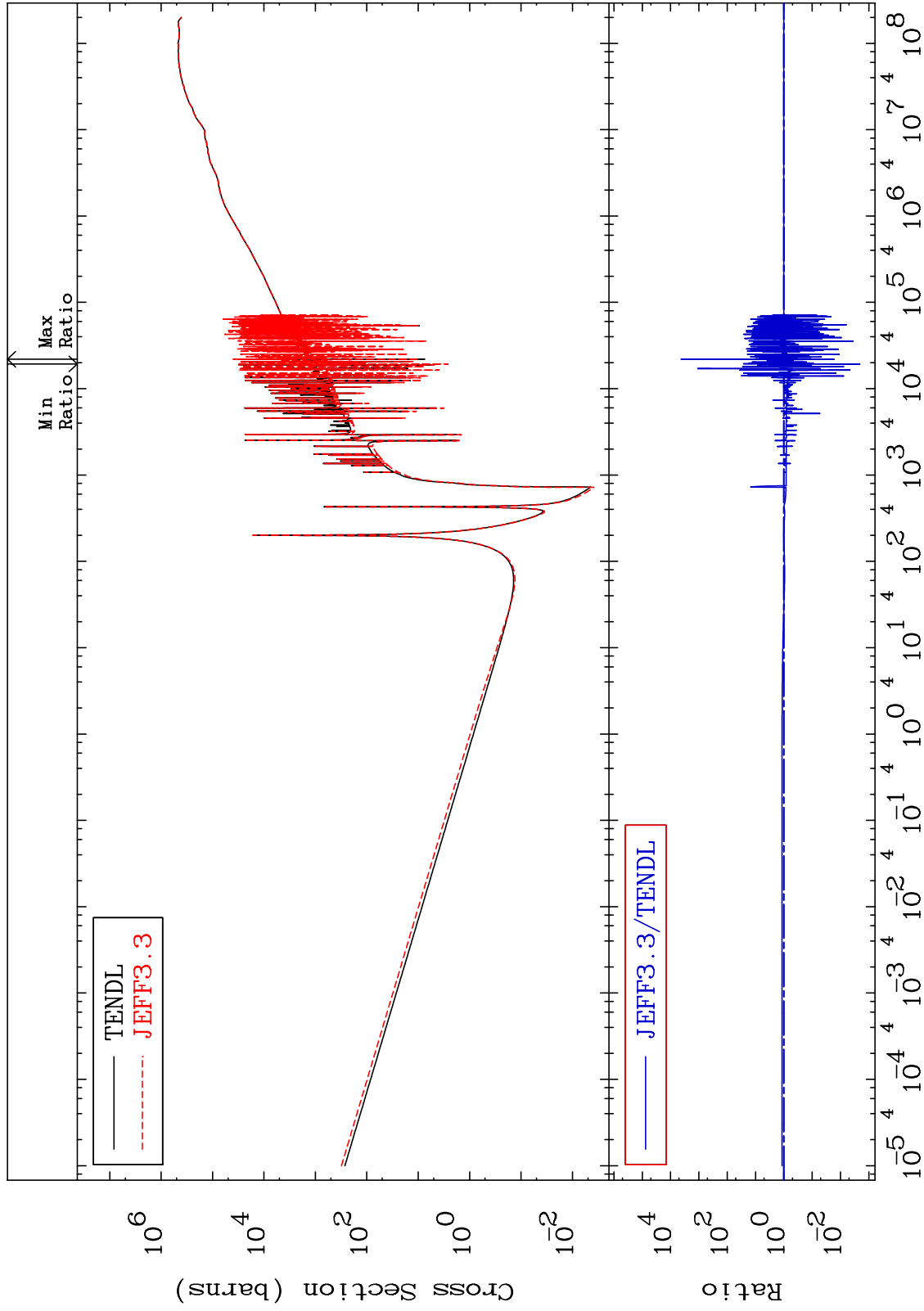
52-Te-126
-99.78 To 9999. %



MAT 5243

Dpa total (eV-barns)
Cross Section

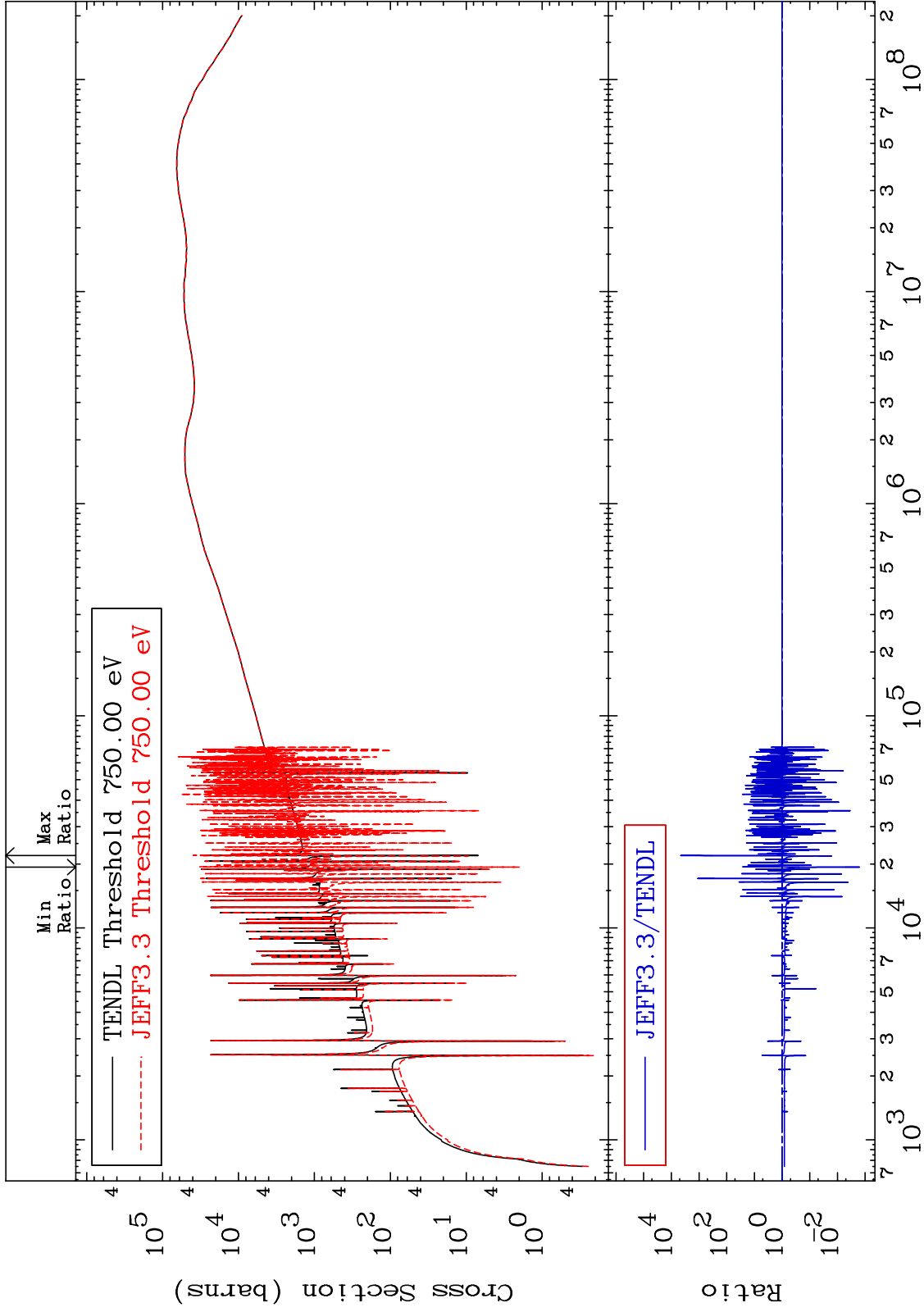
52-Te-126
-99.79 To 9999. %



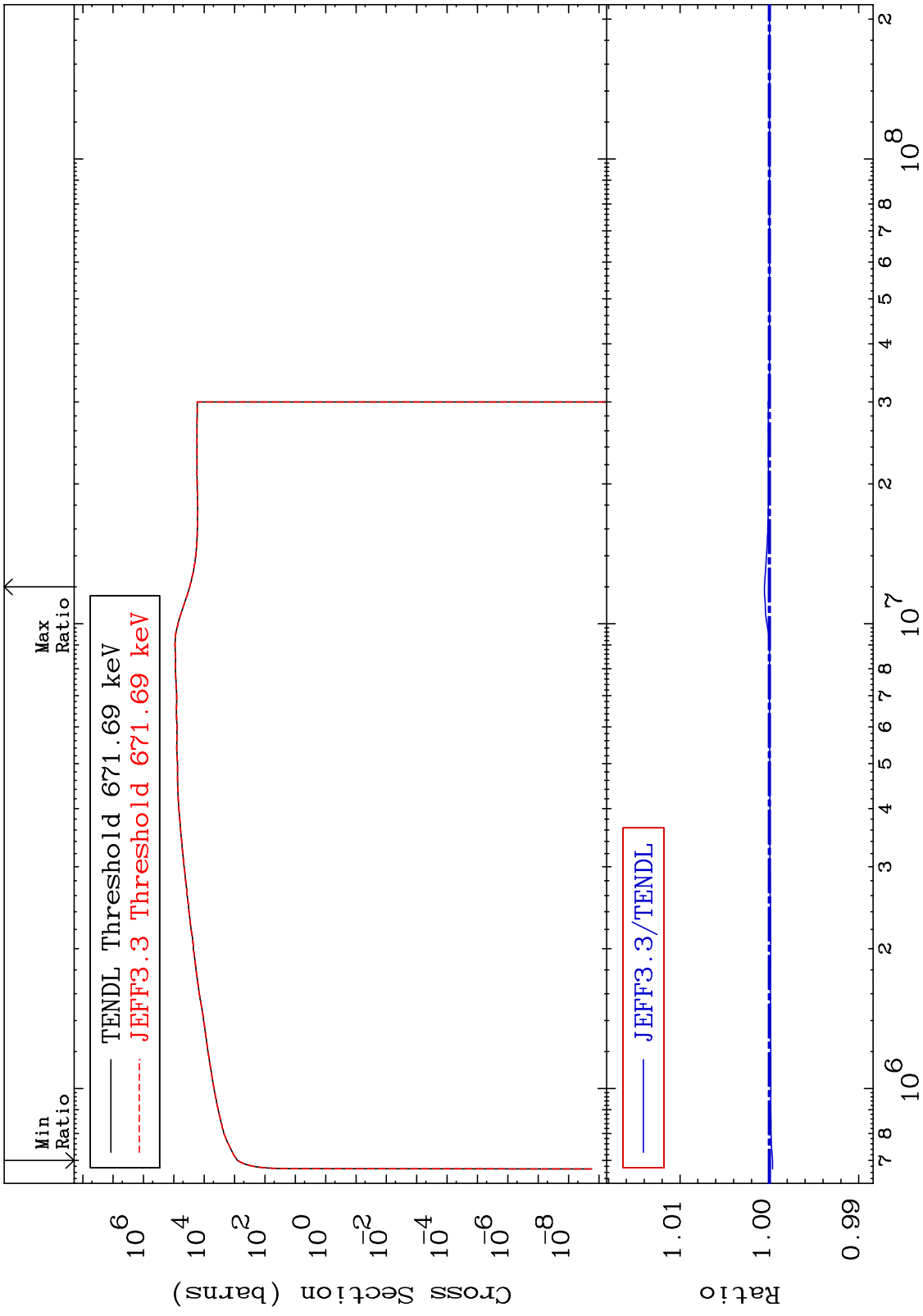
MAT 5243

Dpa elastic (mt2)
Cross Section

52-Te-126
-99.84 To 9999. %



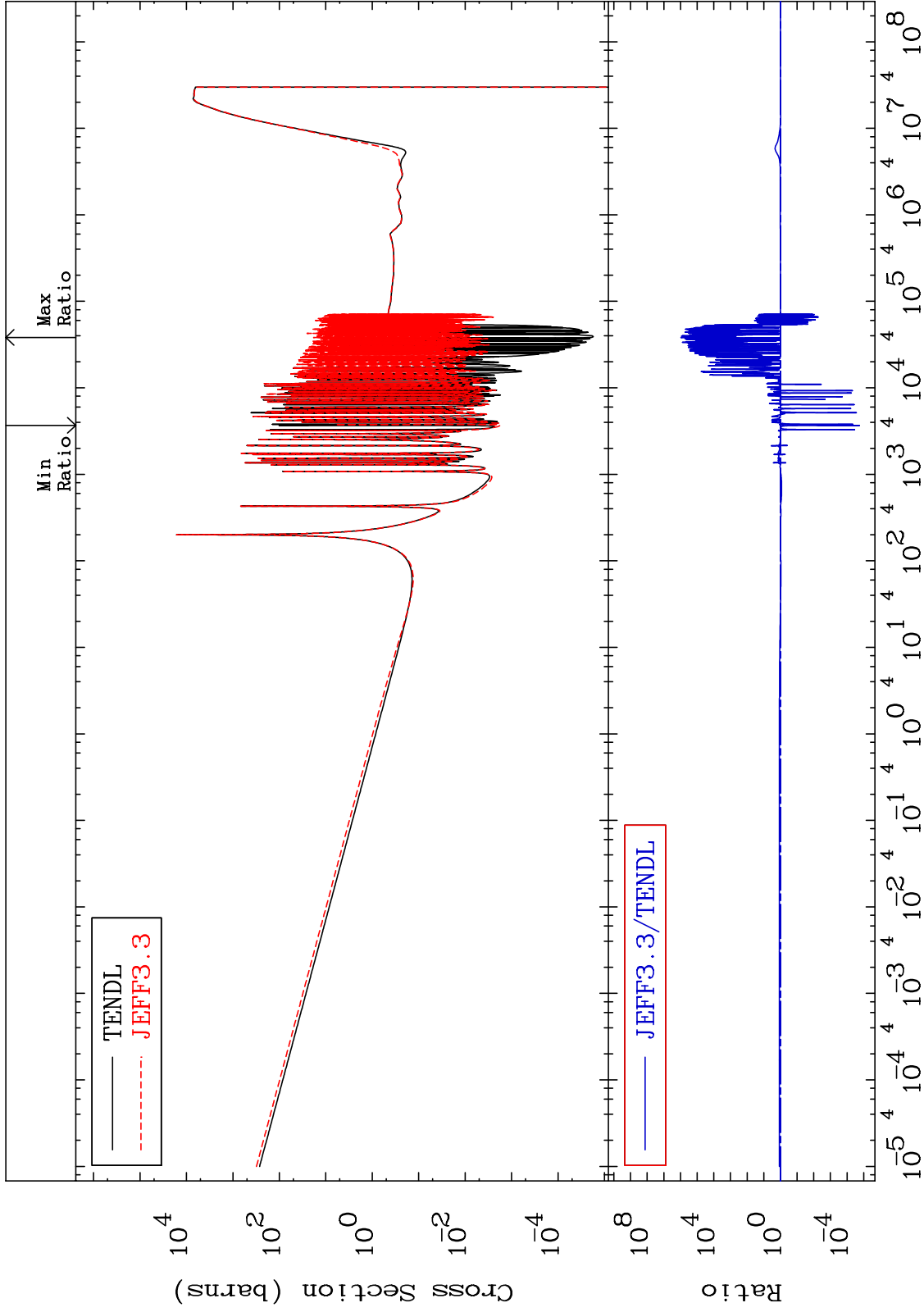
MAT 5243 Dpa inelastic (mt51-91) 52-Te-126
Cross Section -0.035 To 0.056 %



MAT 5243

Dpa disappearance (mt102 -120)
Cross Section

52-Te-126
-100.0 To 9999. %

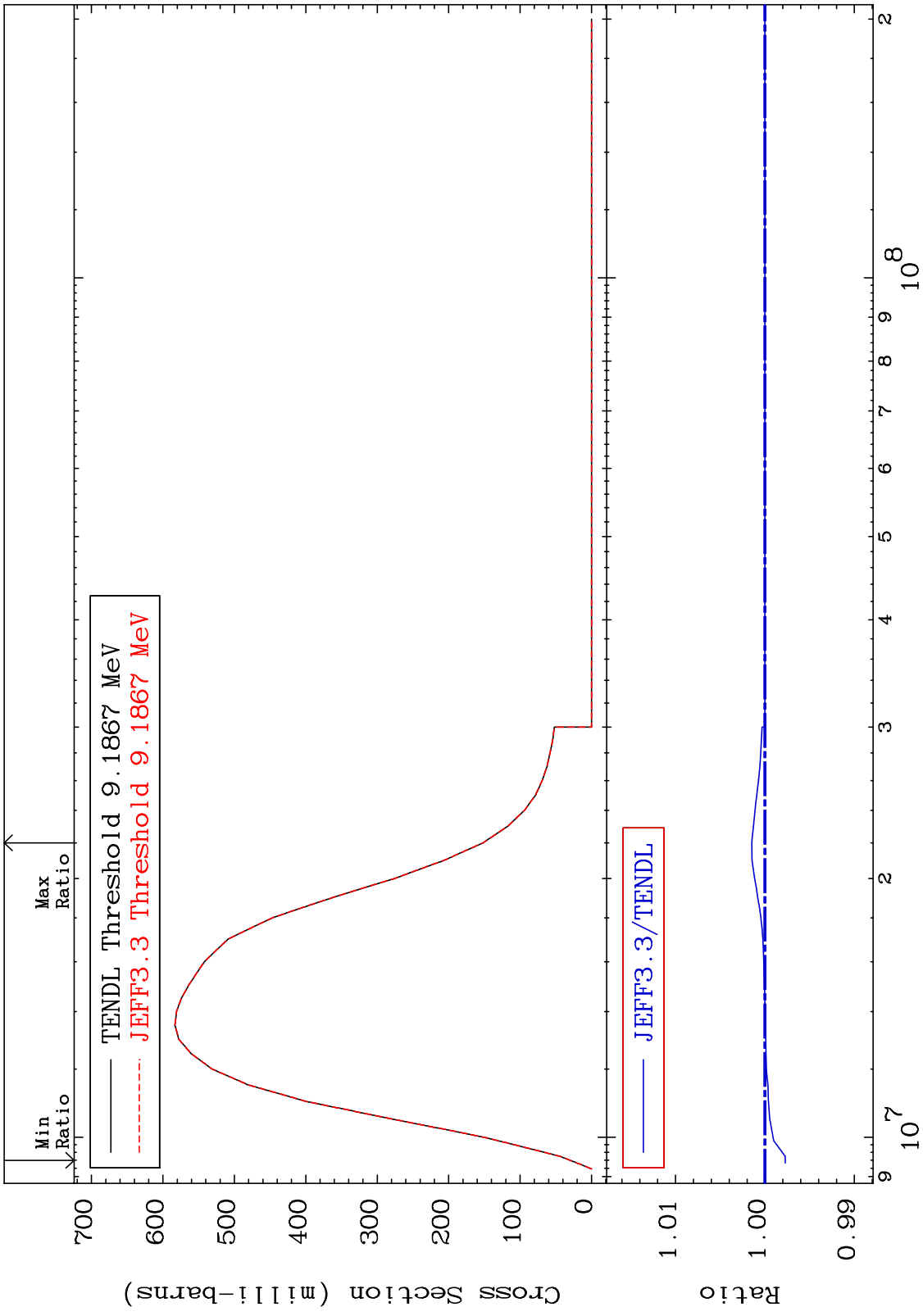


70

Incident Energy (eV)

52-Te-126

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

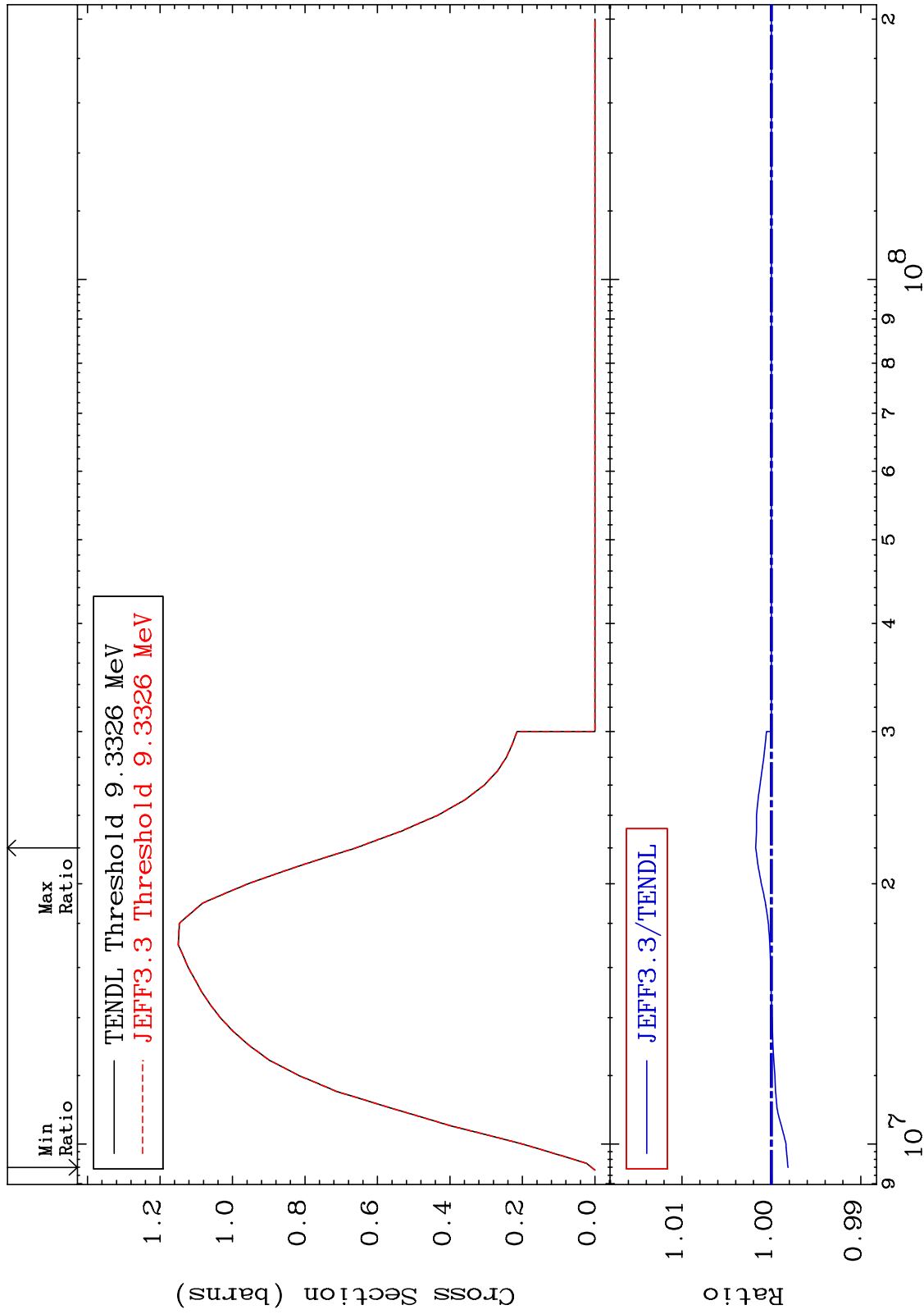


MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.186 To 0.175 %

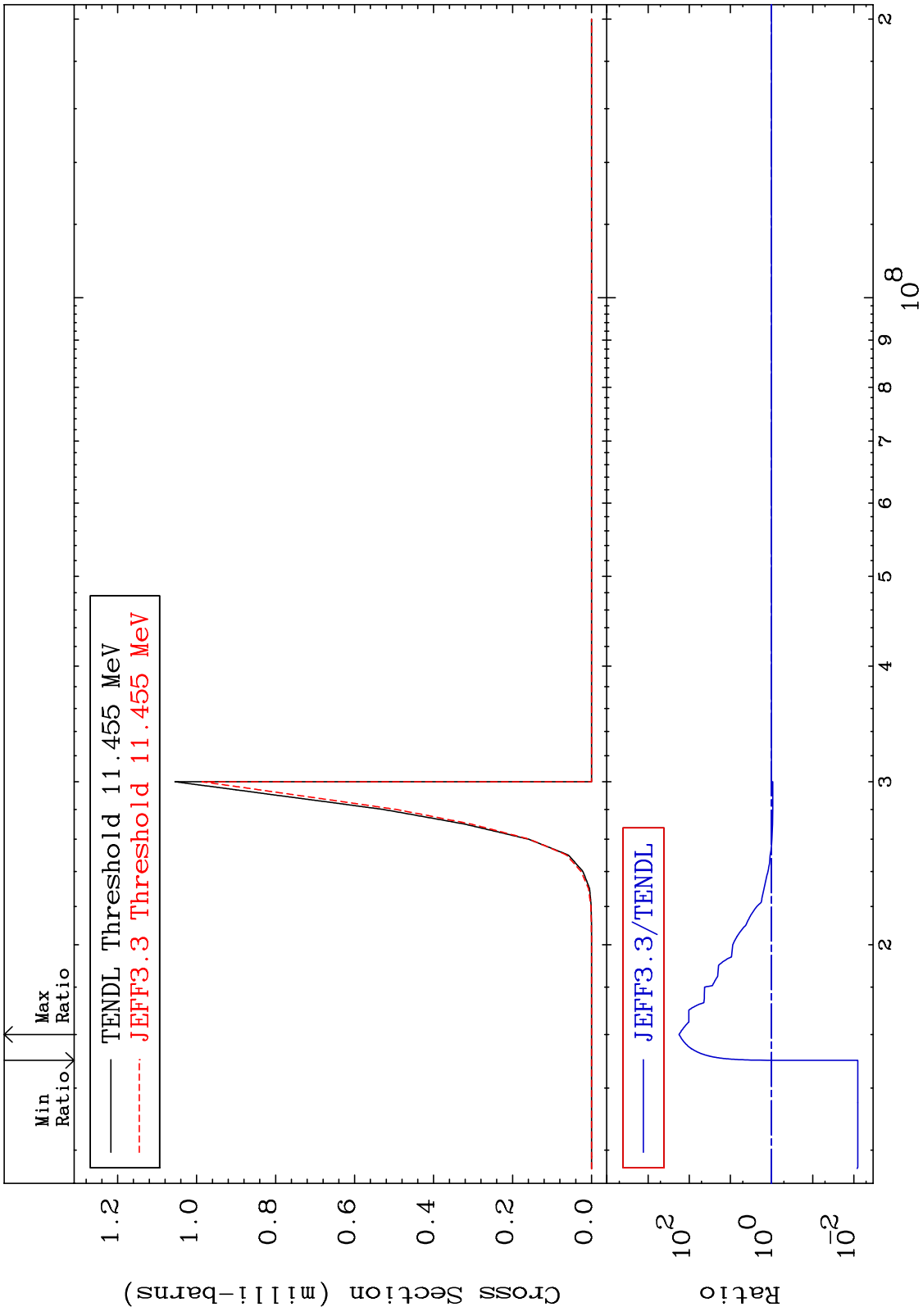


72

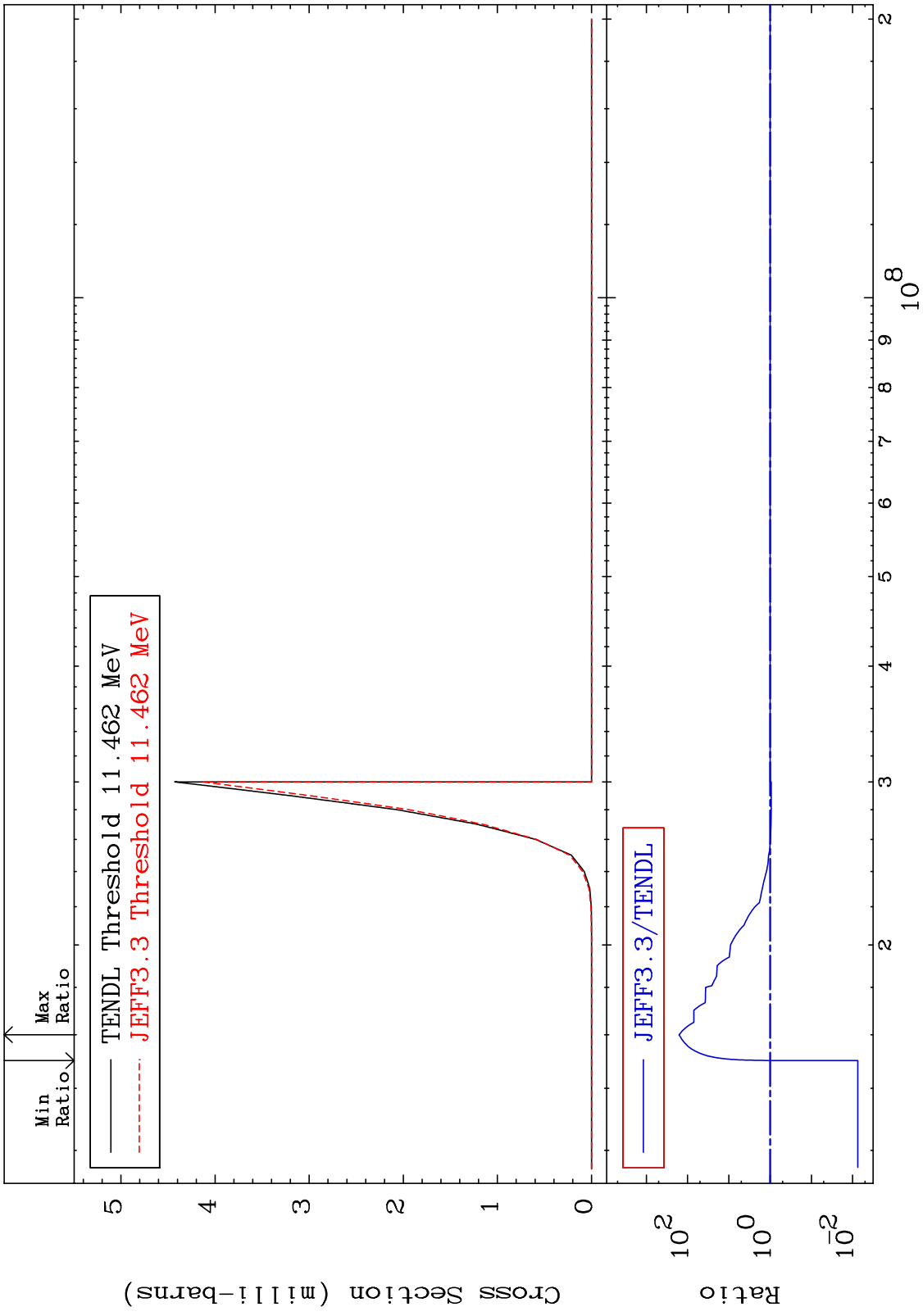
Incident Energy (eV)

52-Te-126

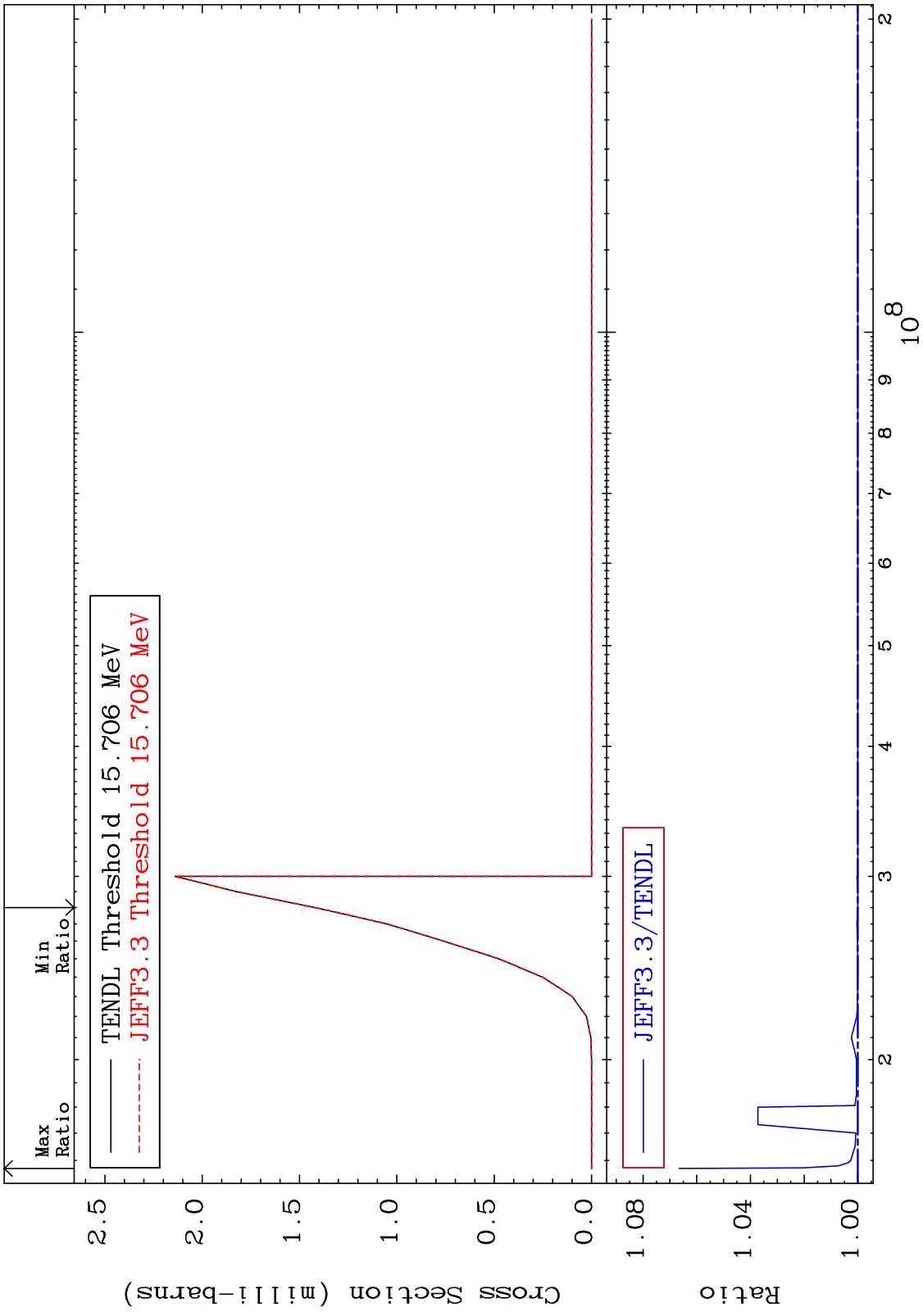
MAT 5243 (n,2n) α :50-Sn-121g 52-Te-126
 Radionuclide Production Cross Section -99.20 To 9999. %



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 %

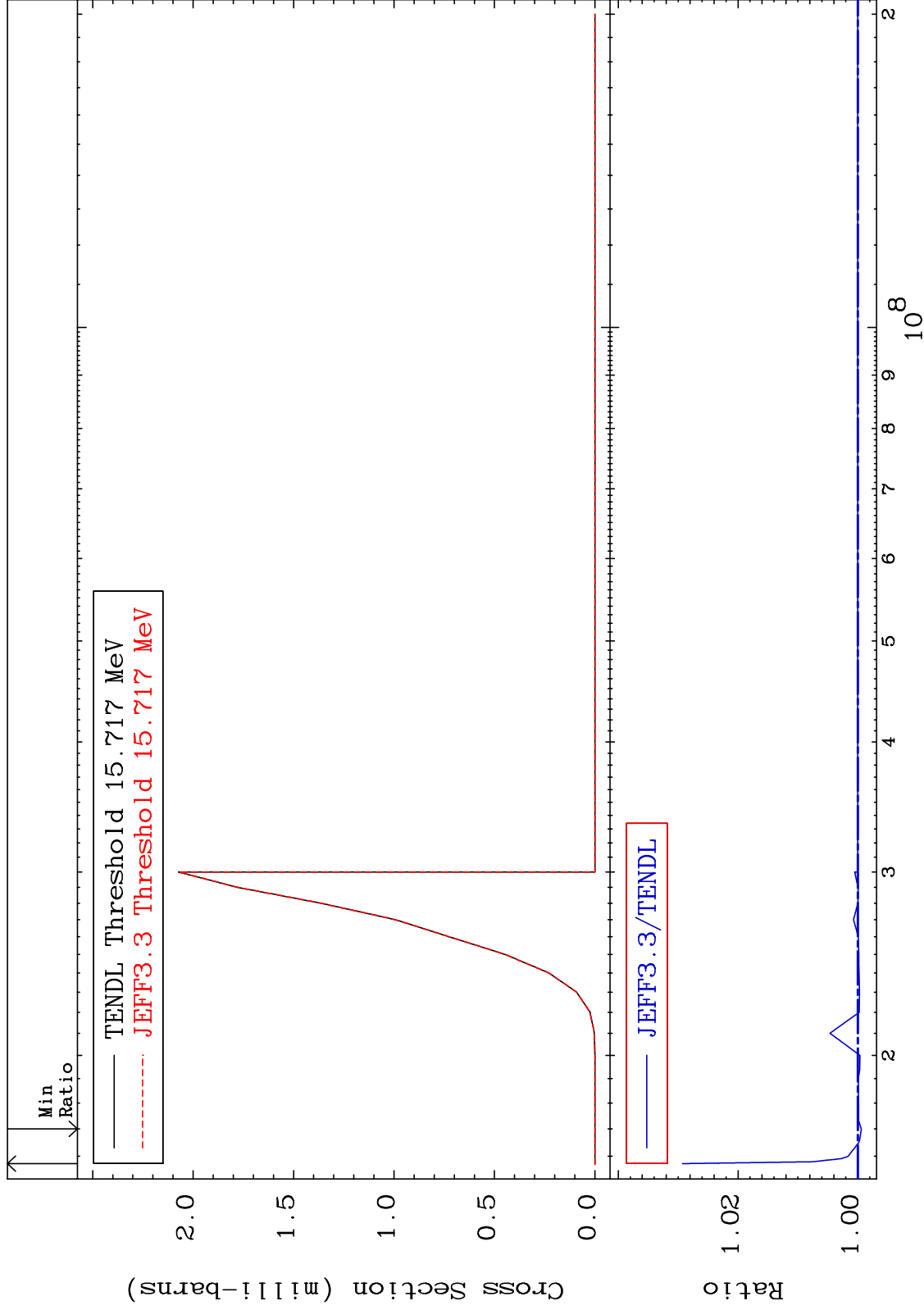


MAT 5243

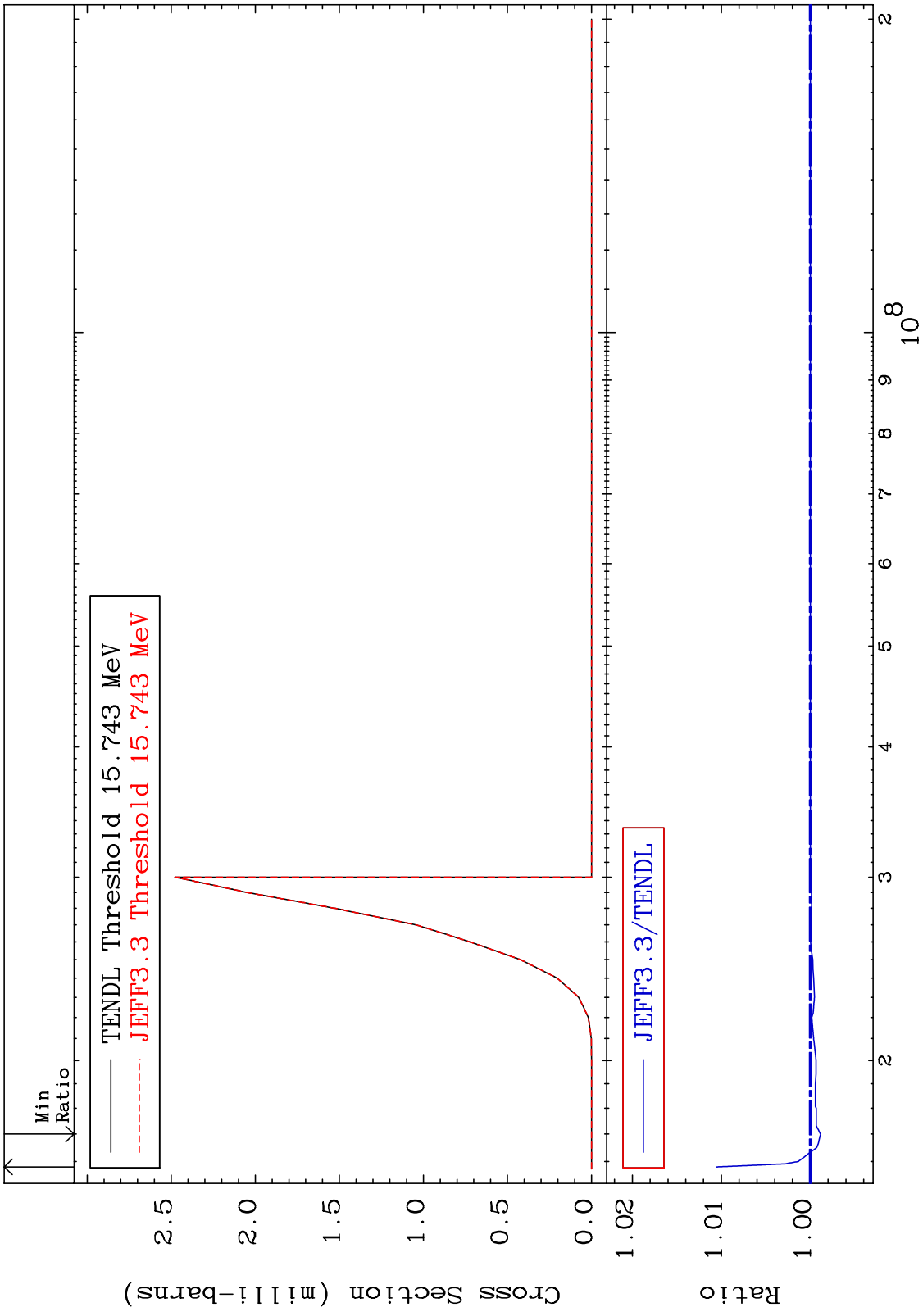
(n,n') d:51-Sb-124m1

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 %

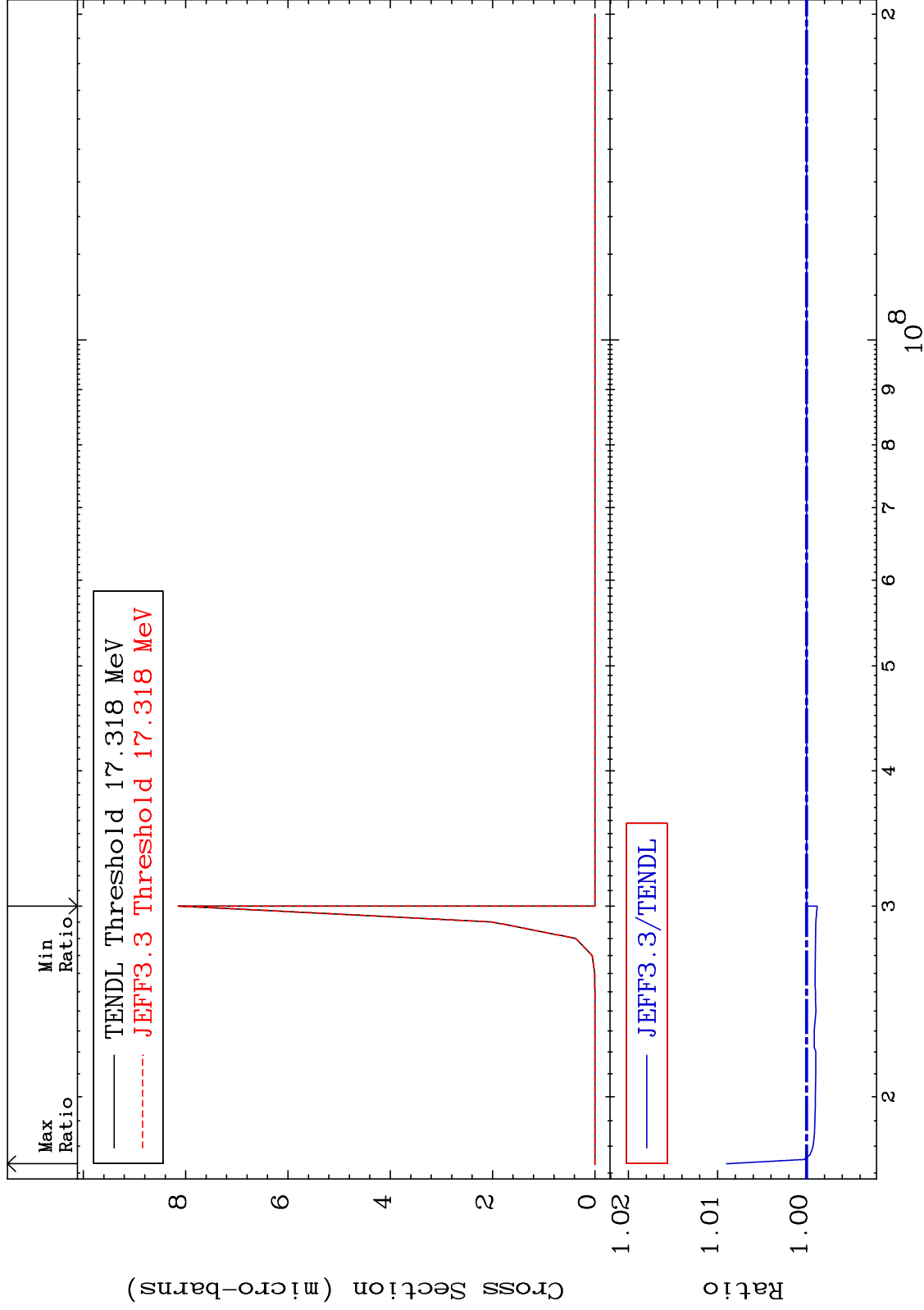


MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.118 To 0.899 %

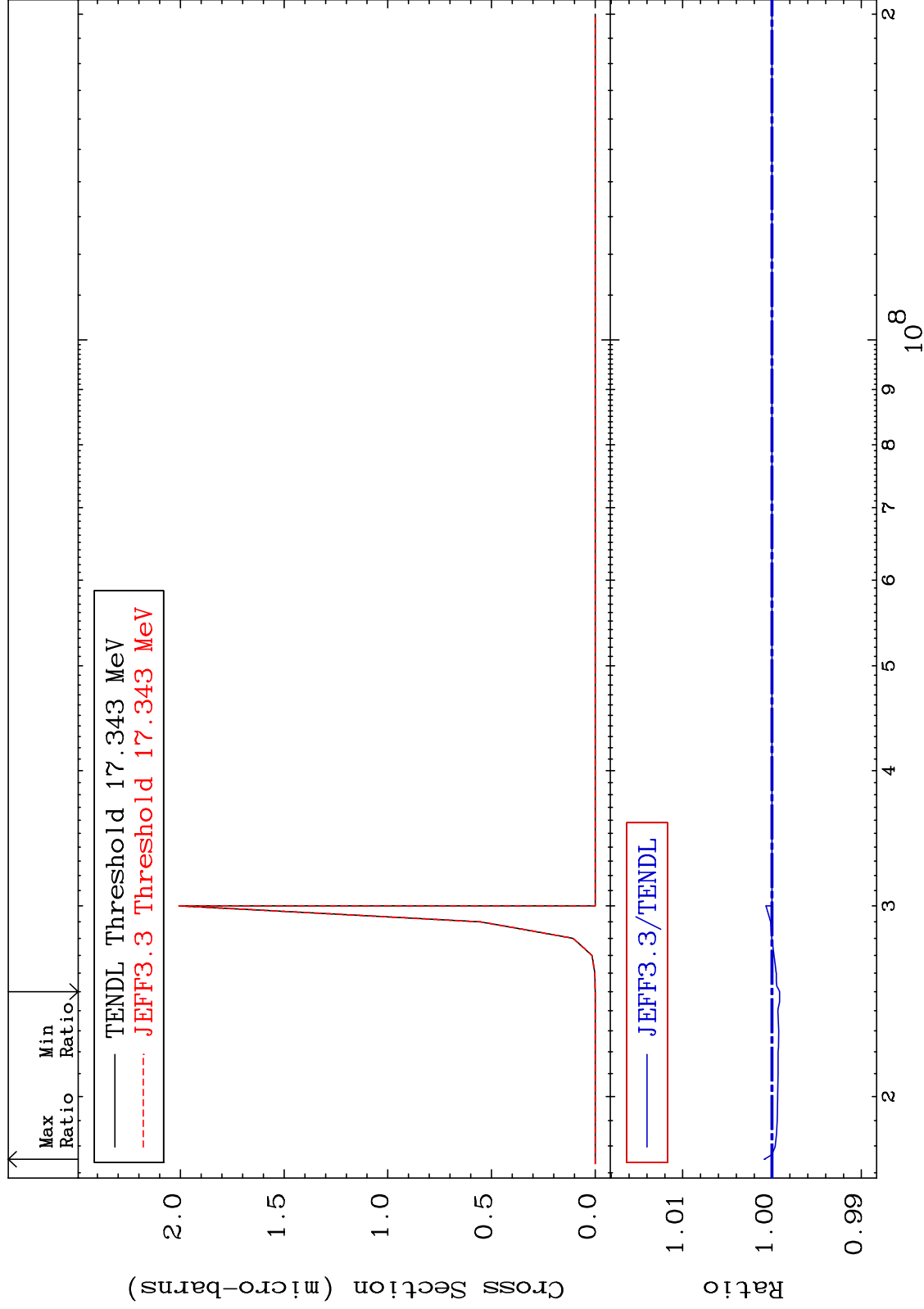


MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.085 To 0.086 %

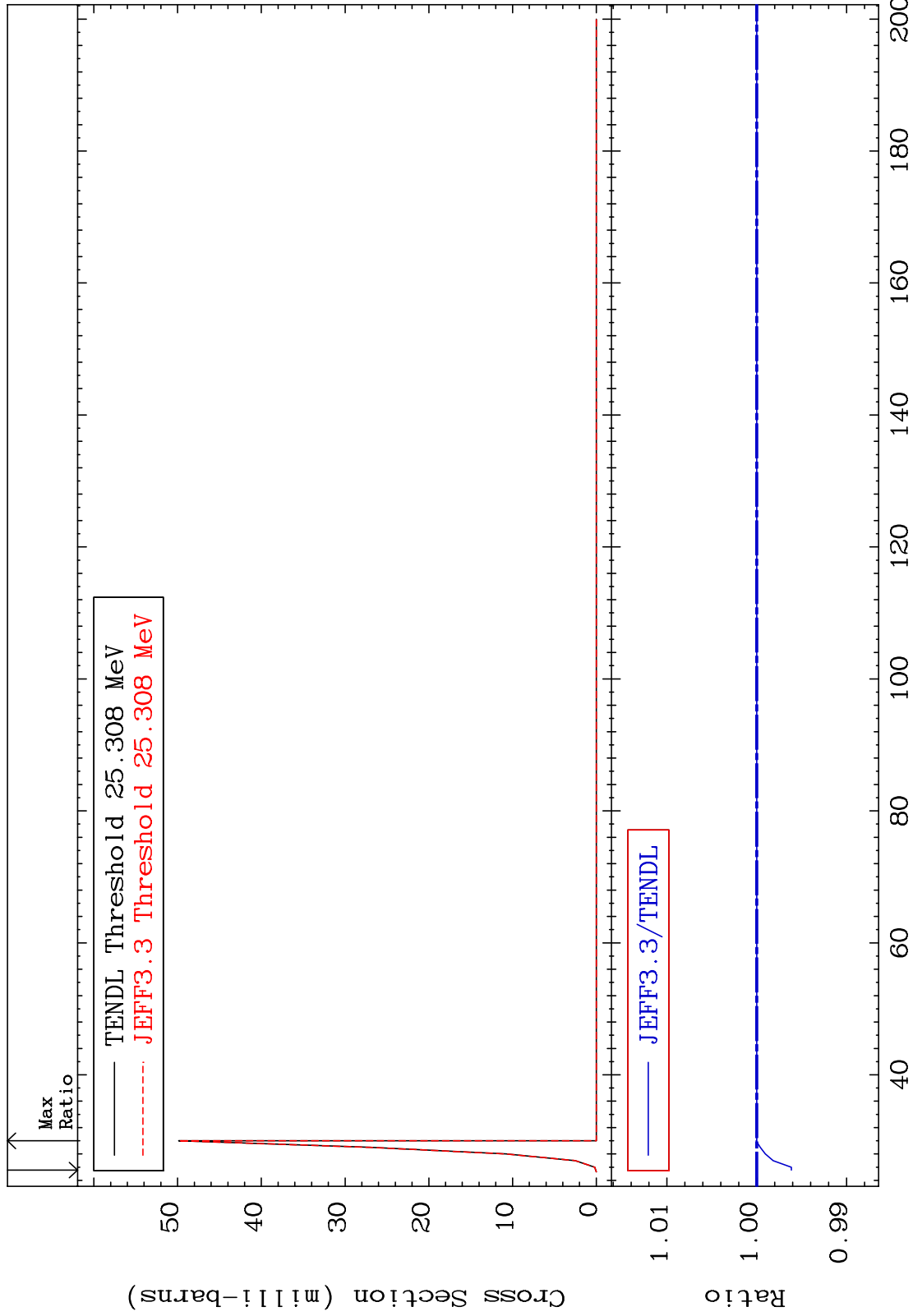


MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.384 To 0.008 %

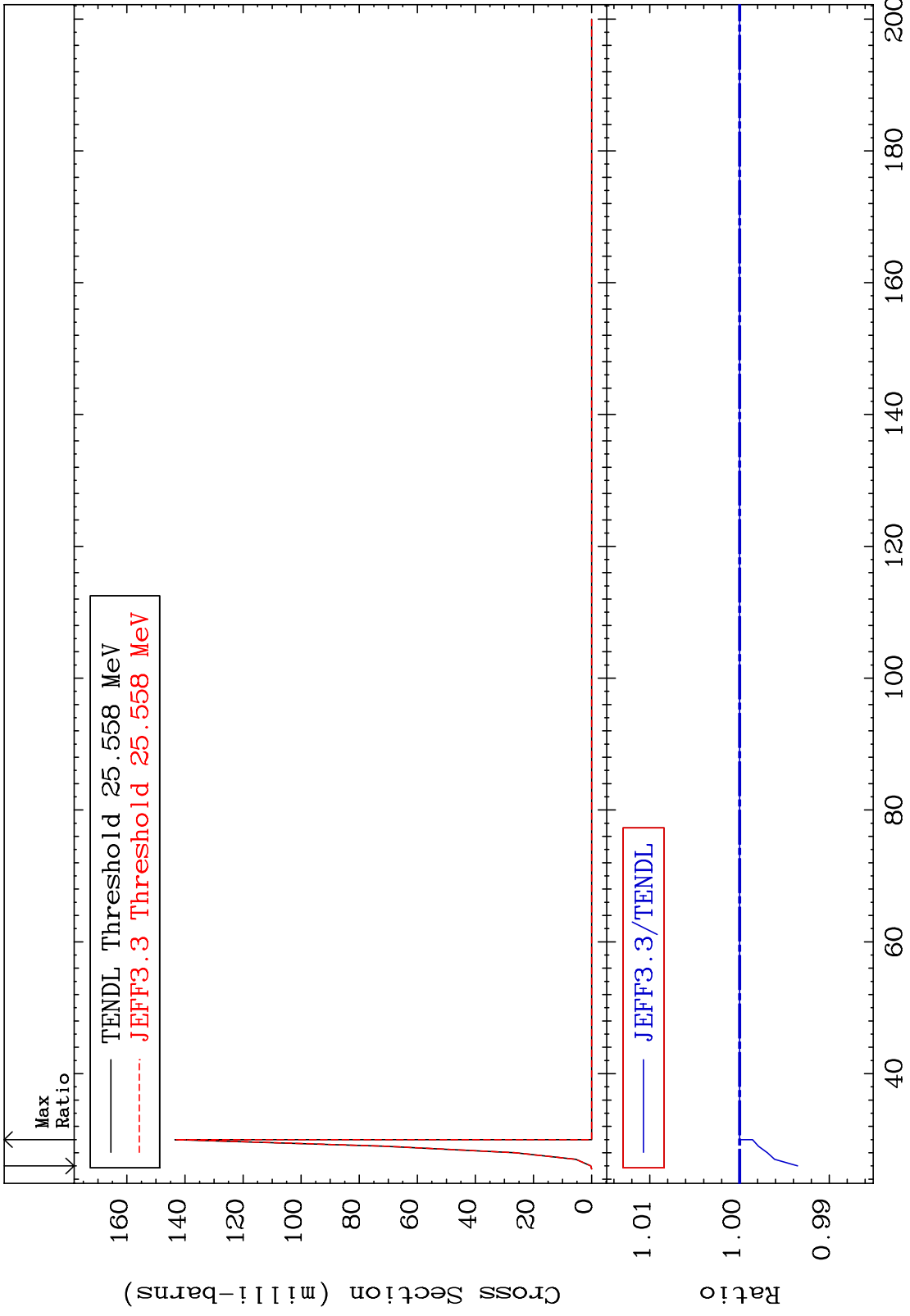


80

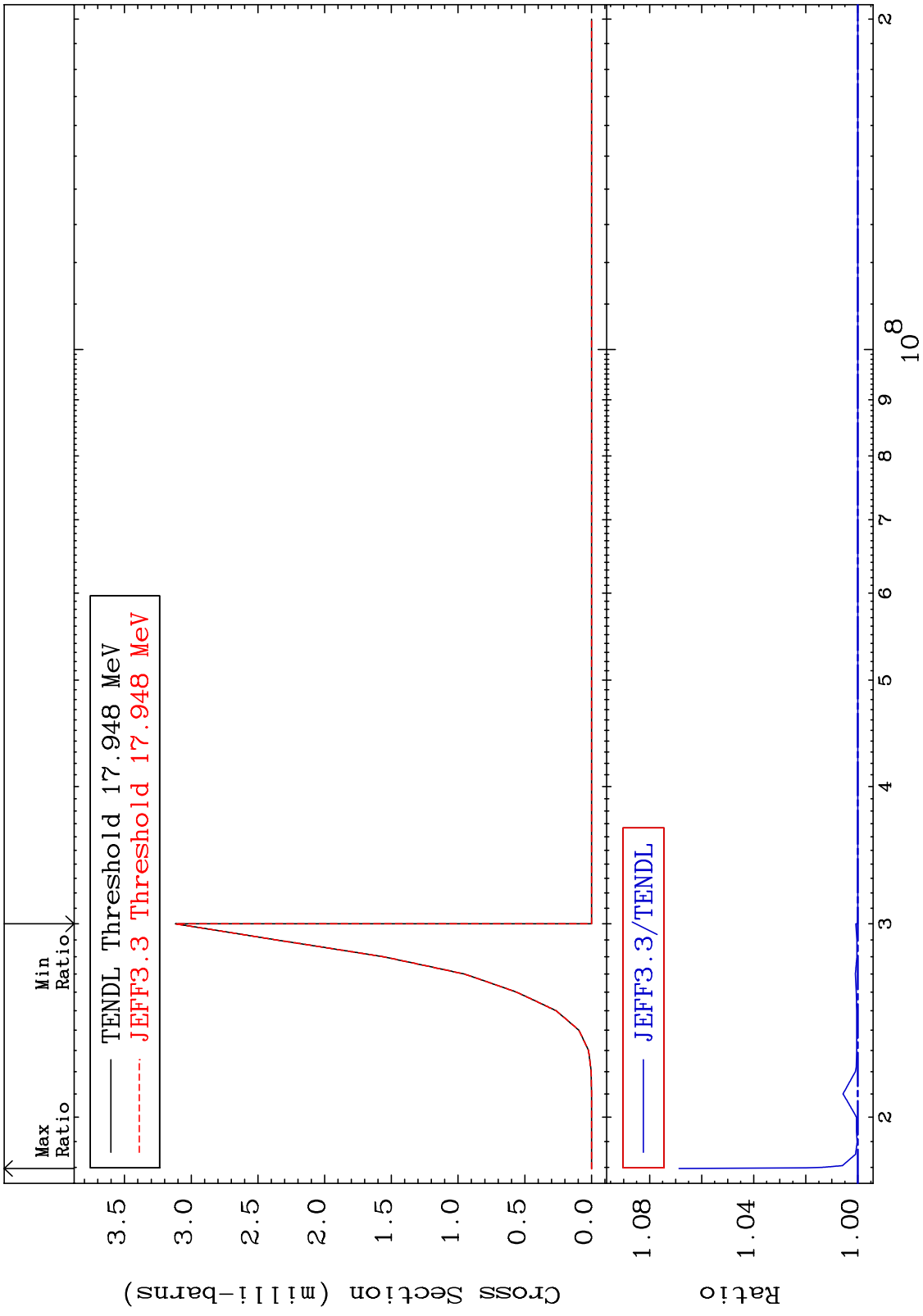
Incident Energy (MeV)

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 %

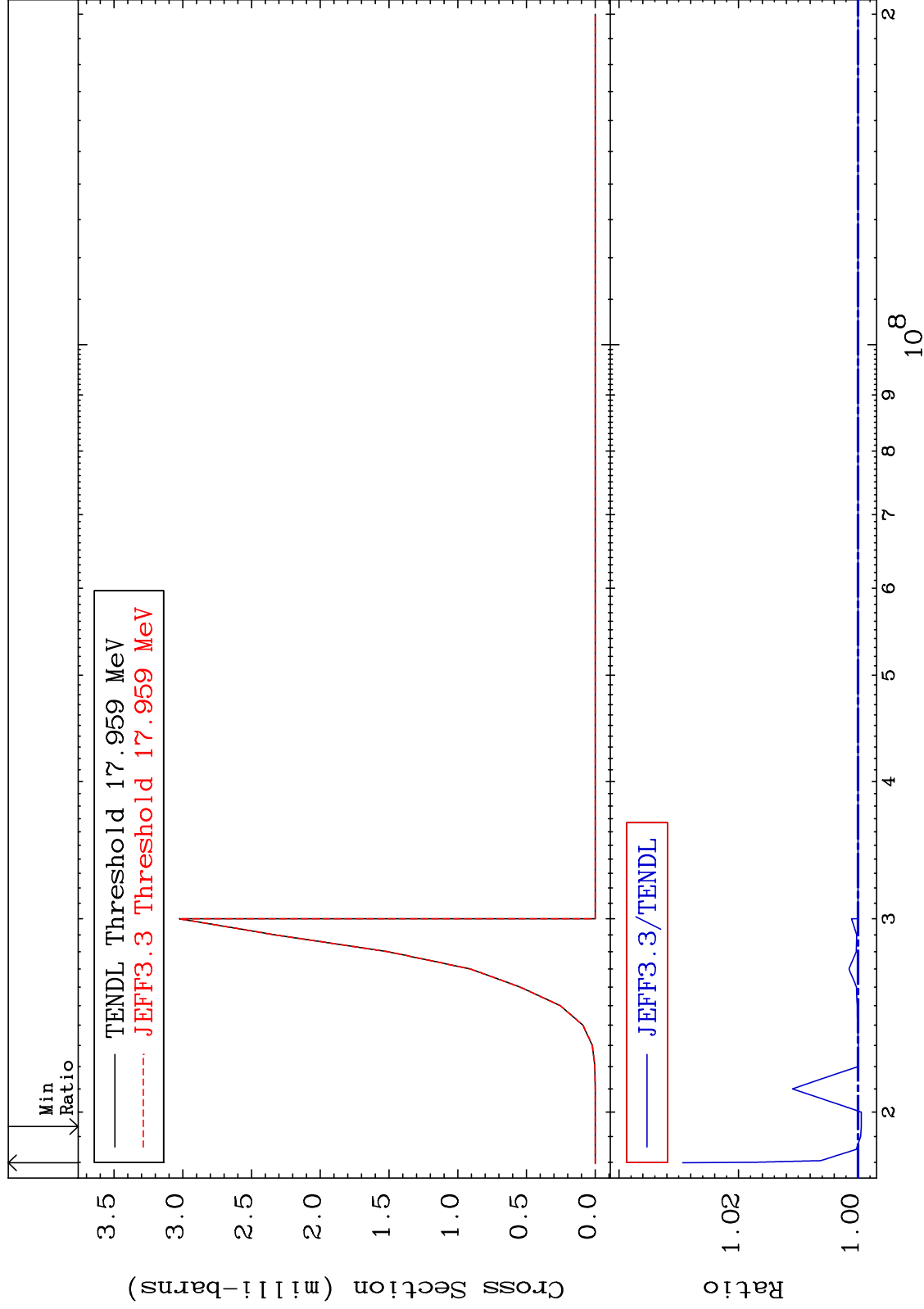


MAT 5243

(n,2n) p:51-Sb-124m1

52-Te-126

Radionuclide Production Cross Section -0.056 To 2.935 %

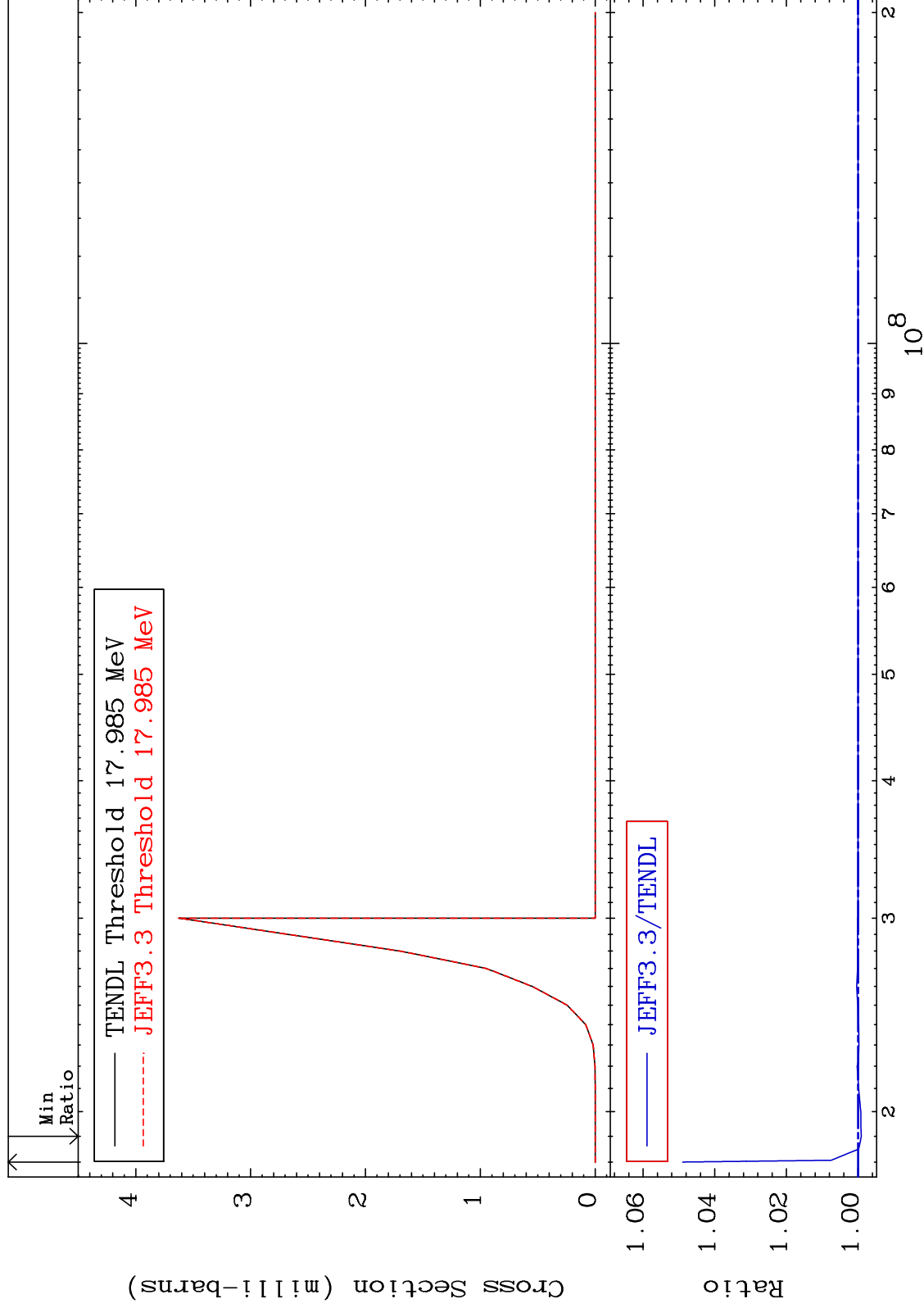


MAT 5243

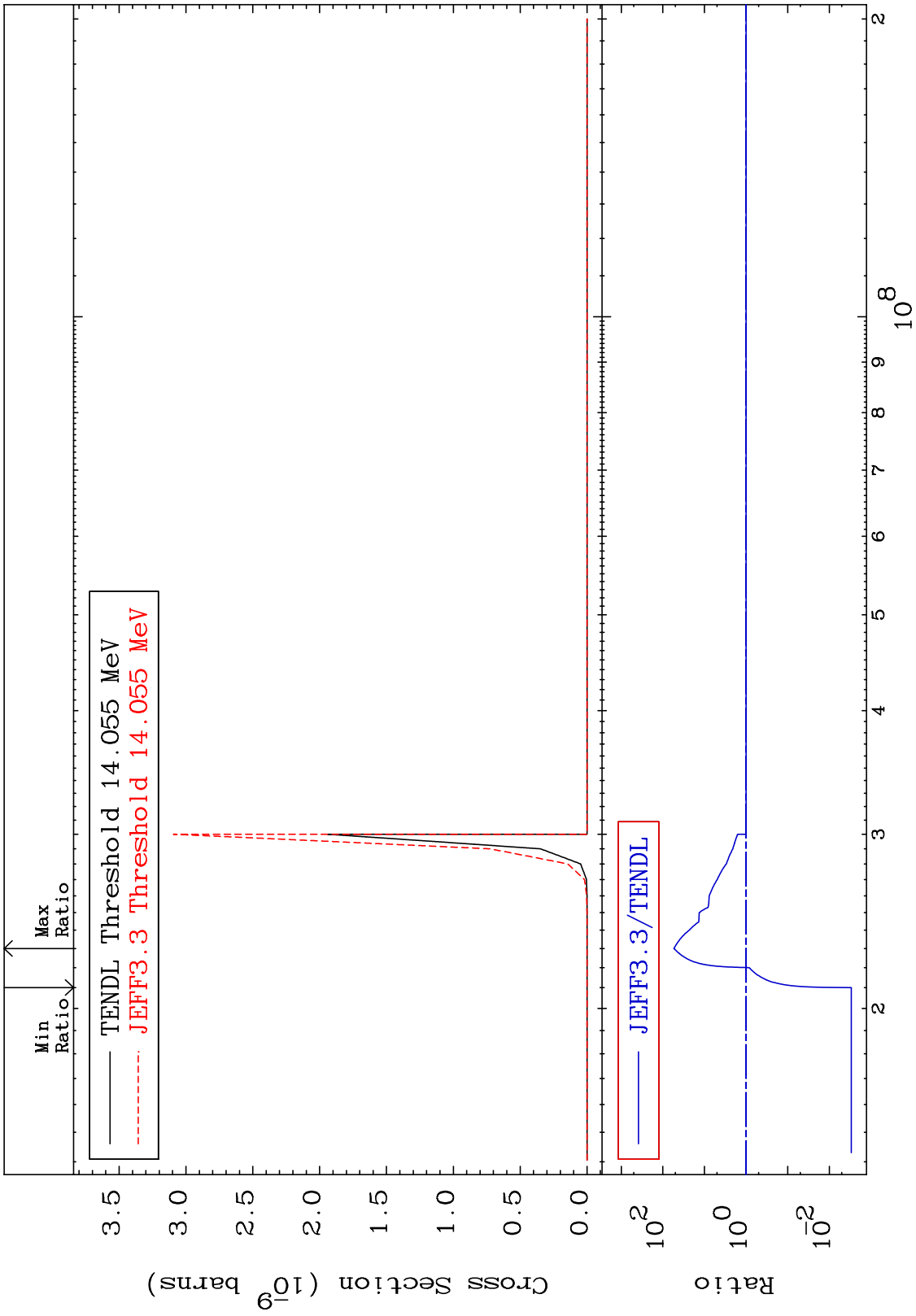
(n,2n) p:51-Sb-124m2

52-Te-126

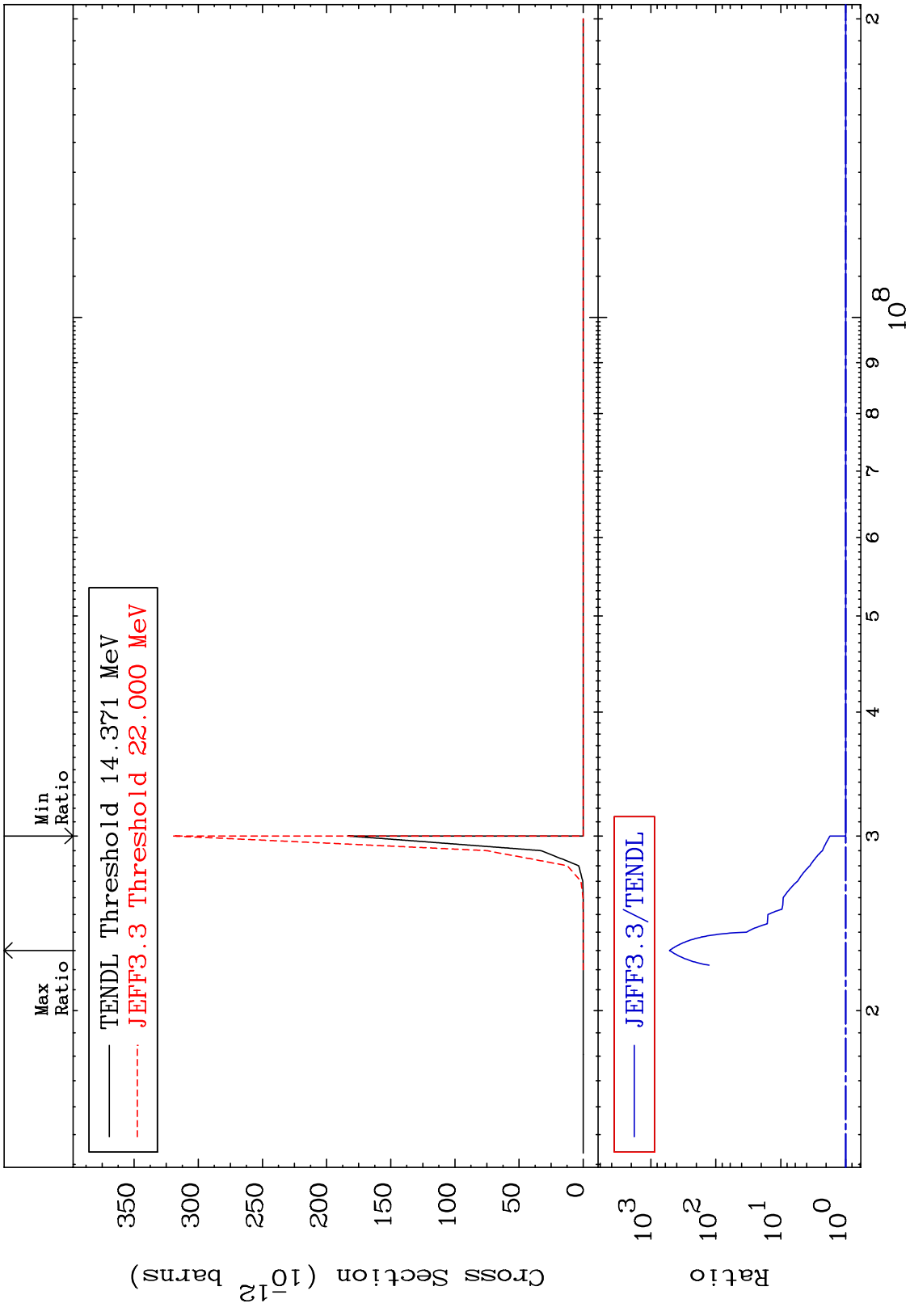
Radionuclide Production Cross Section -0.090 To 4.896 %



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. %

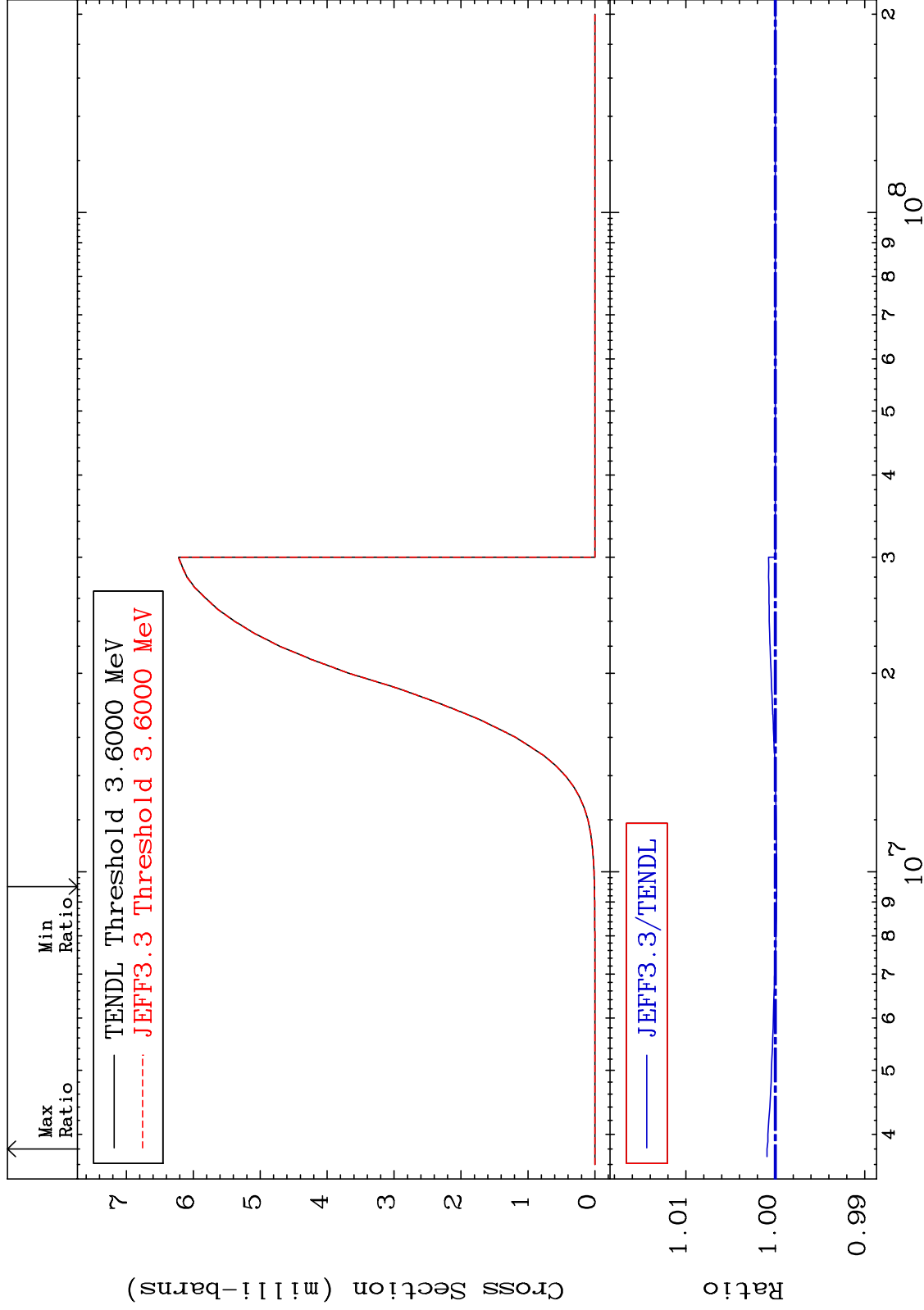


MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.015 To 0.091 %



87

Incident Energy (eV)

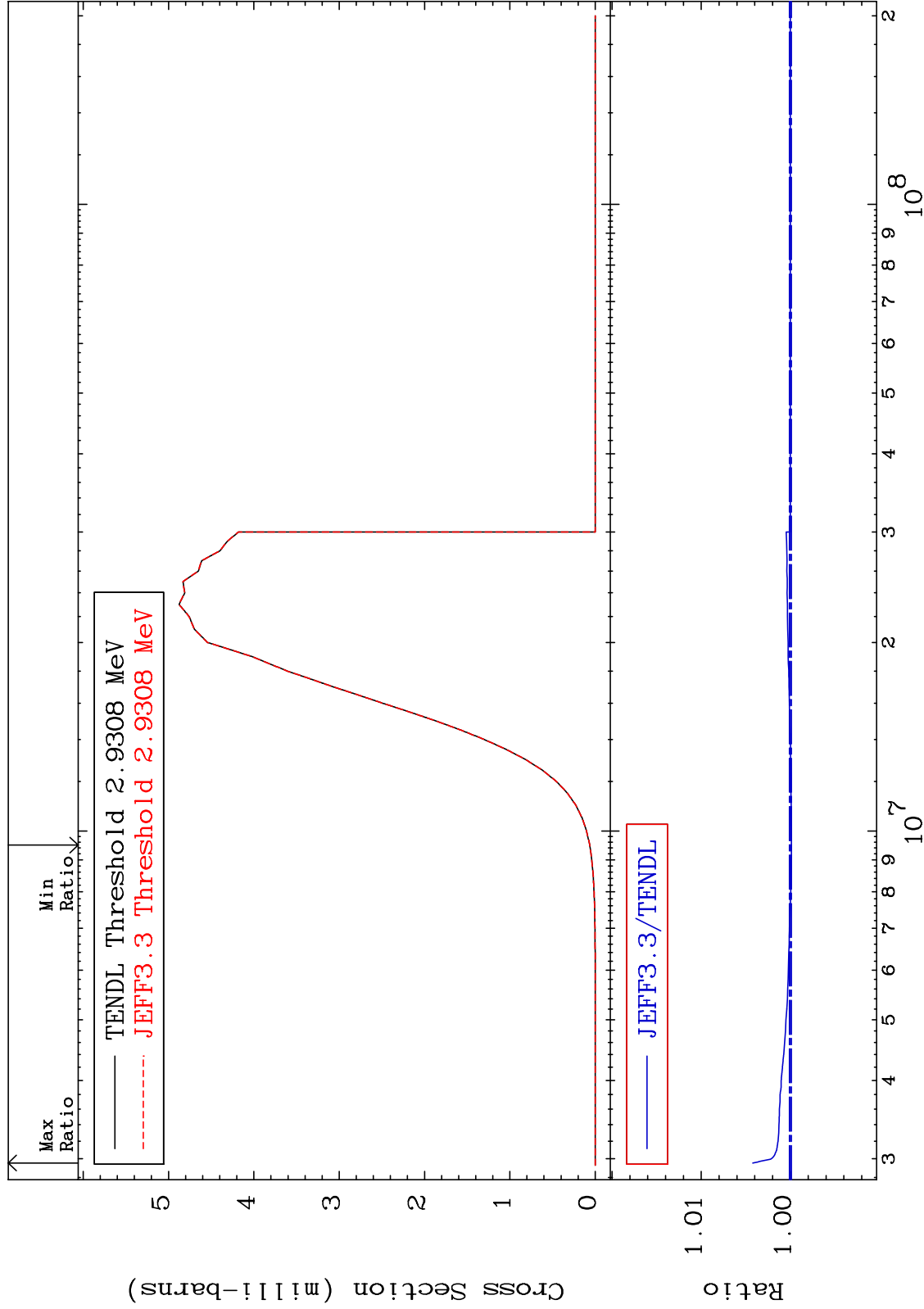
52-Te-126

MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -0.011 To 0.424 %

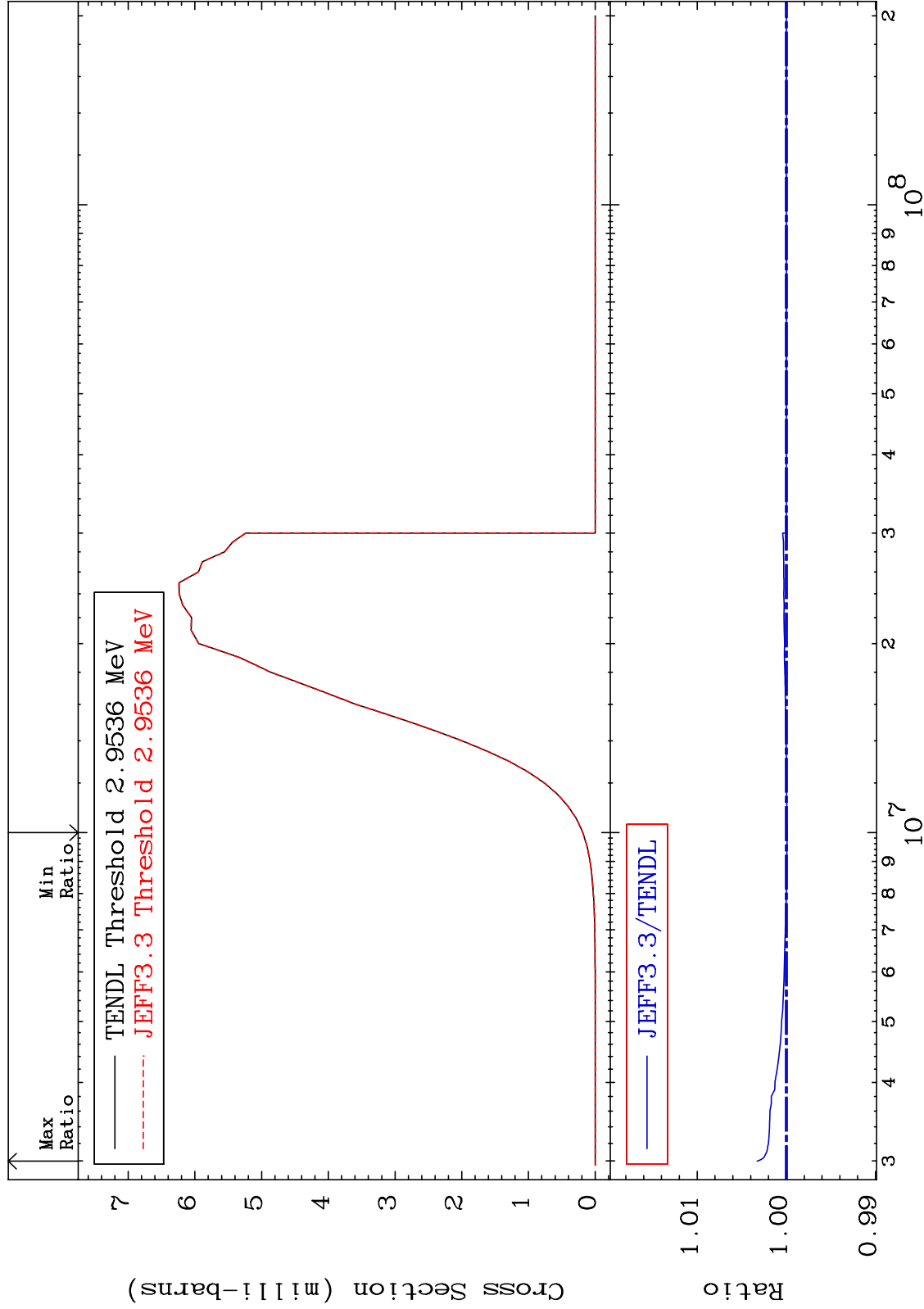


MAT 5243

(n, p): 51-Sb-126m2

52-Te-126

Radionuclide Production Cross Section -0.007 To 0.328 %

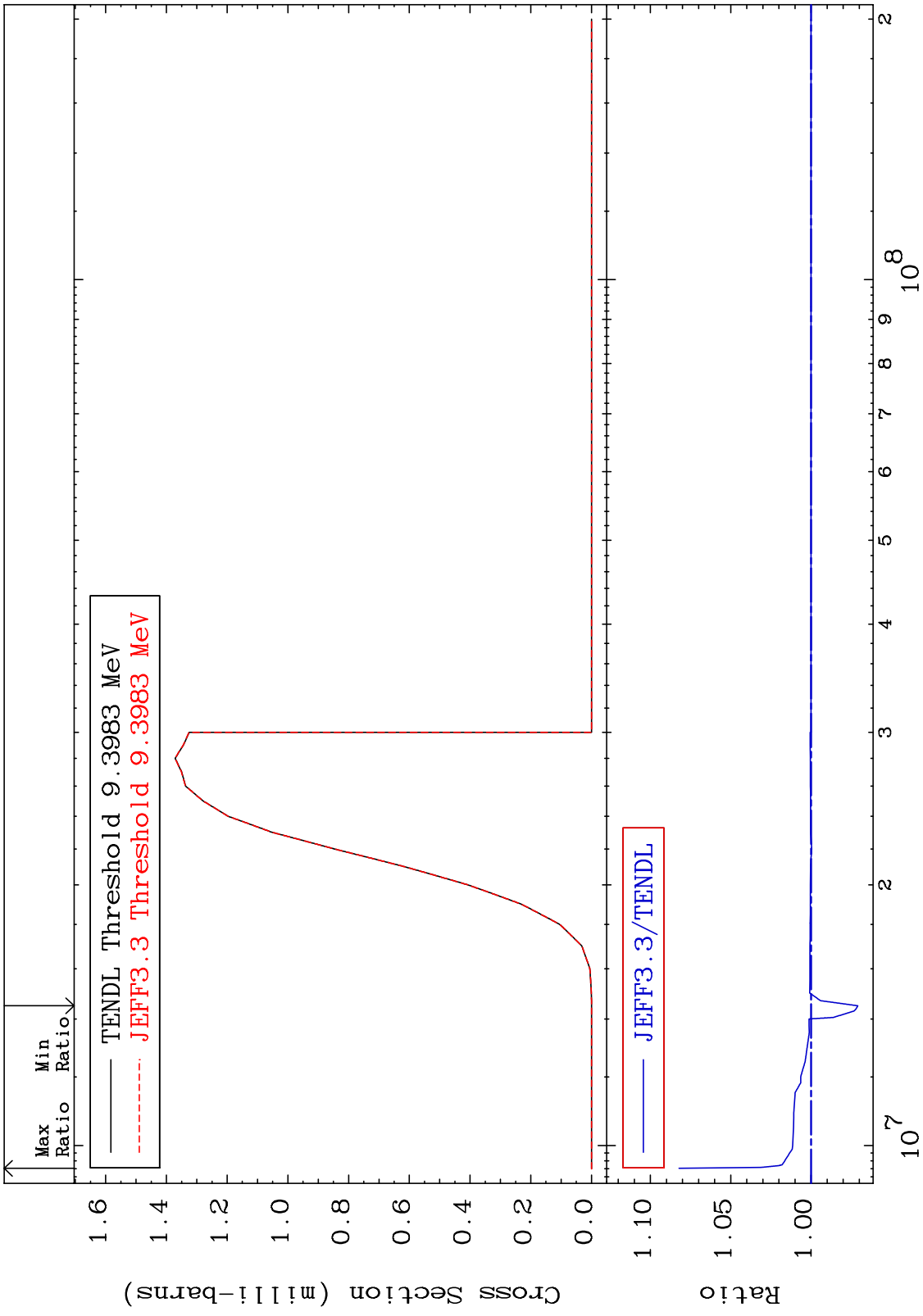


89

Incident Energy (eV)

52-Te-126

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



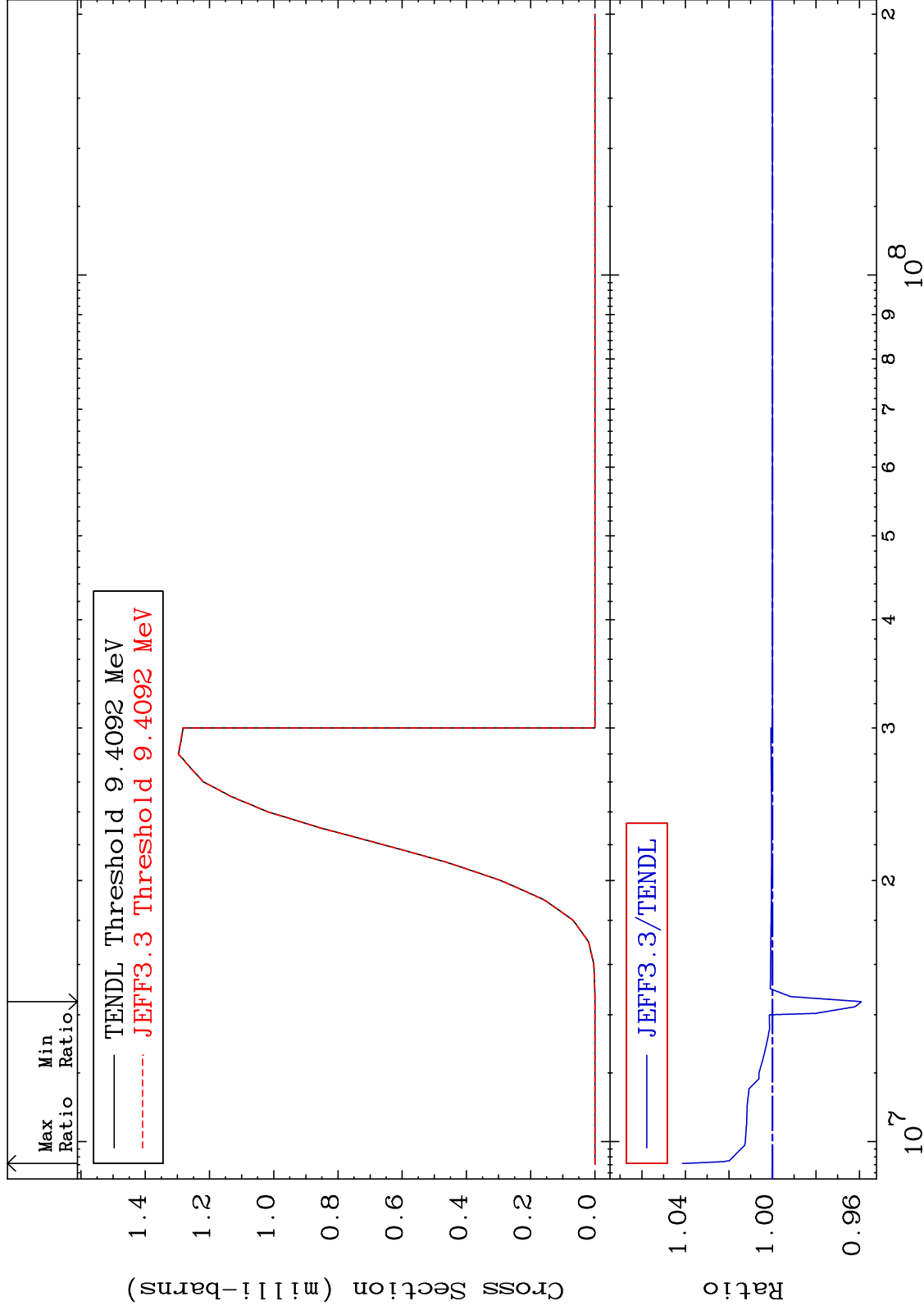
90 52-Te-126

MAT 5243

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

52-Te-126

Radionuclide Production Cross Section -4.085 To 4.136 %

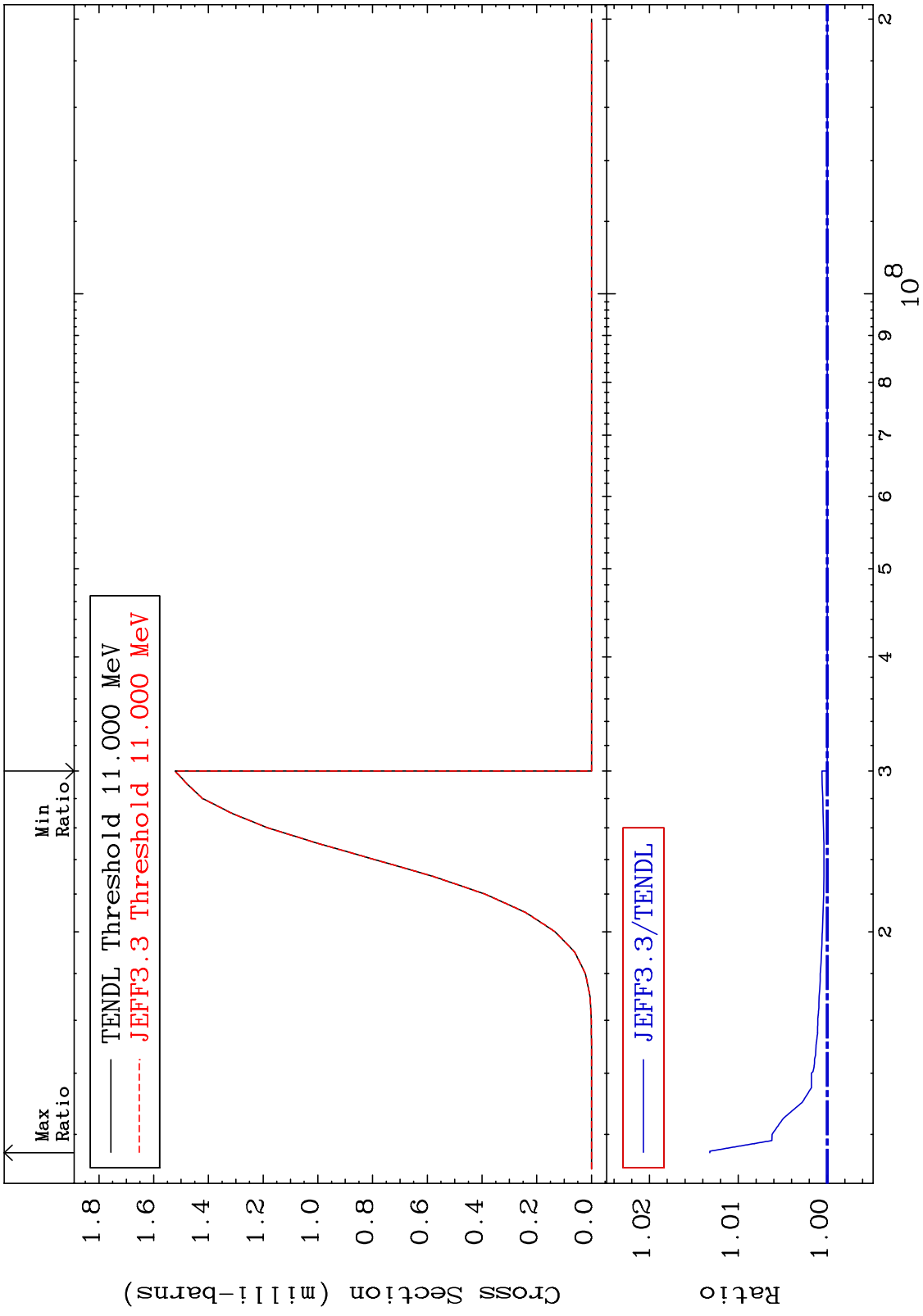


91

Incident Energy (eV)

52-Te-126

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

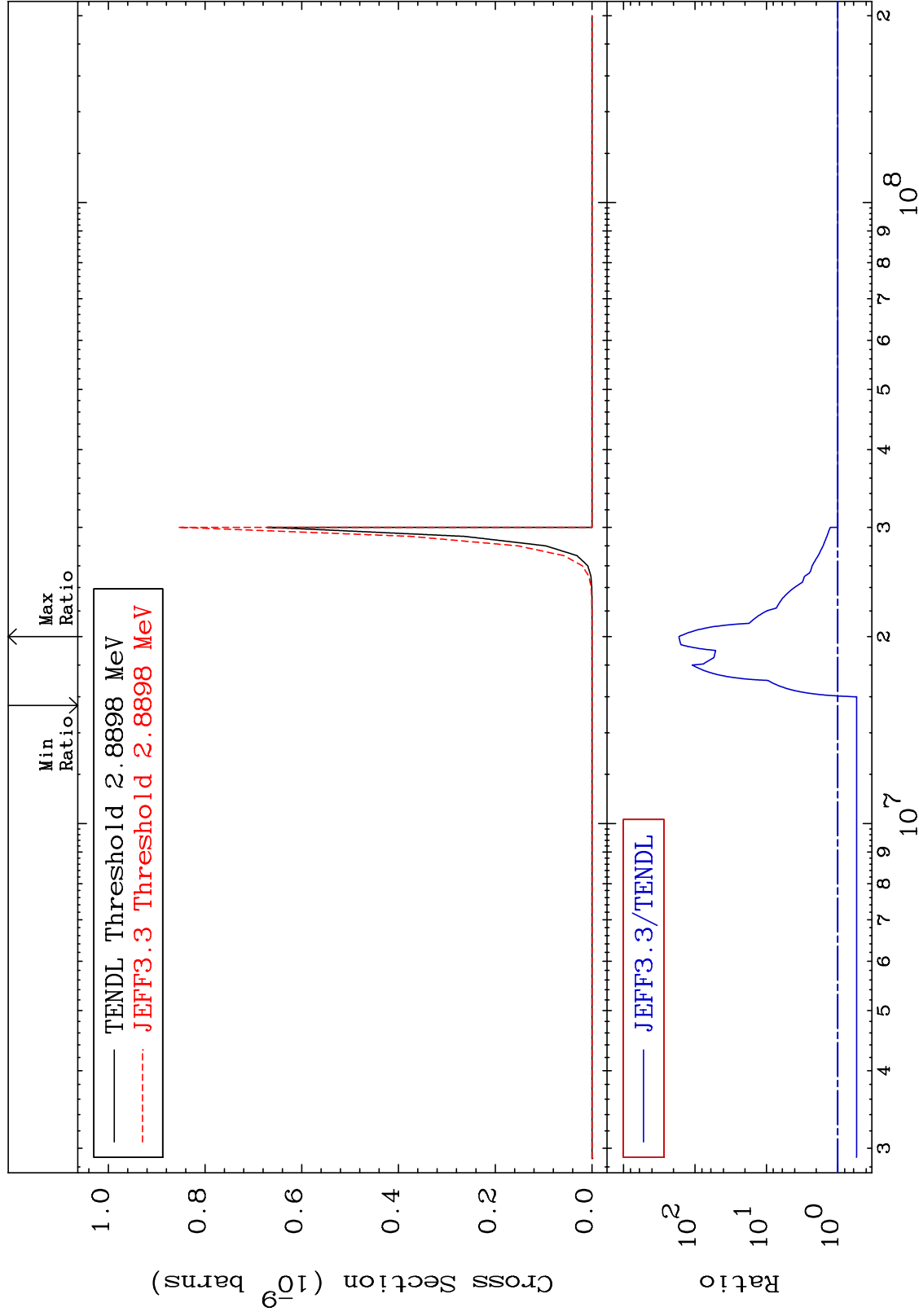


MAT 5243

(n,2α):48-Cd-119g

52-Te-126

Radionuclide Production Cross Section -45.53 To 9999. %

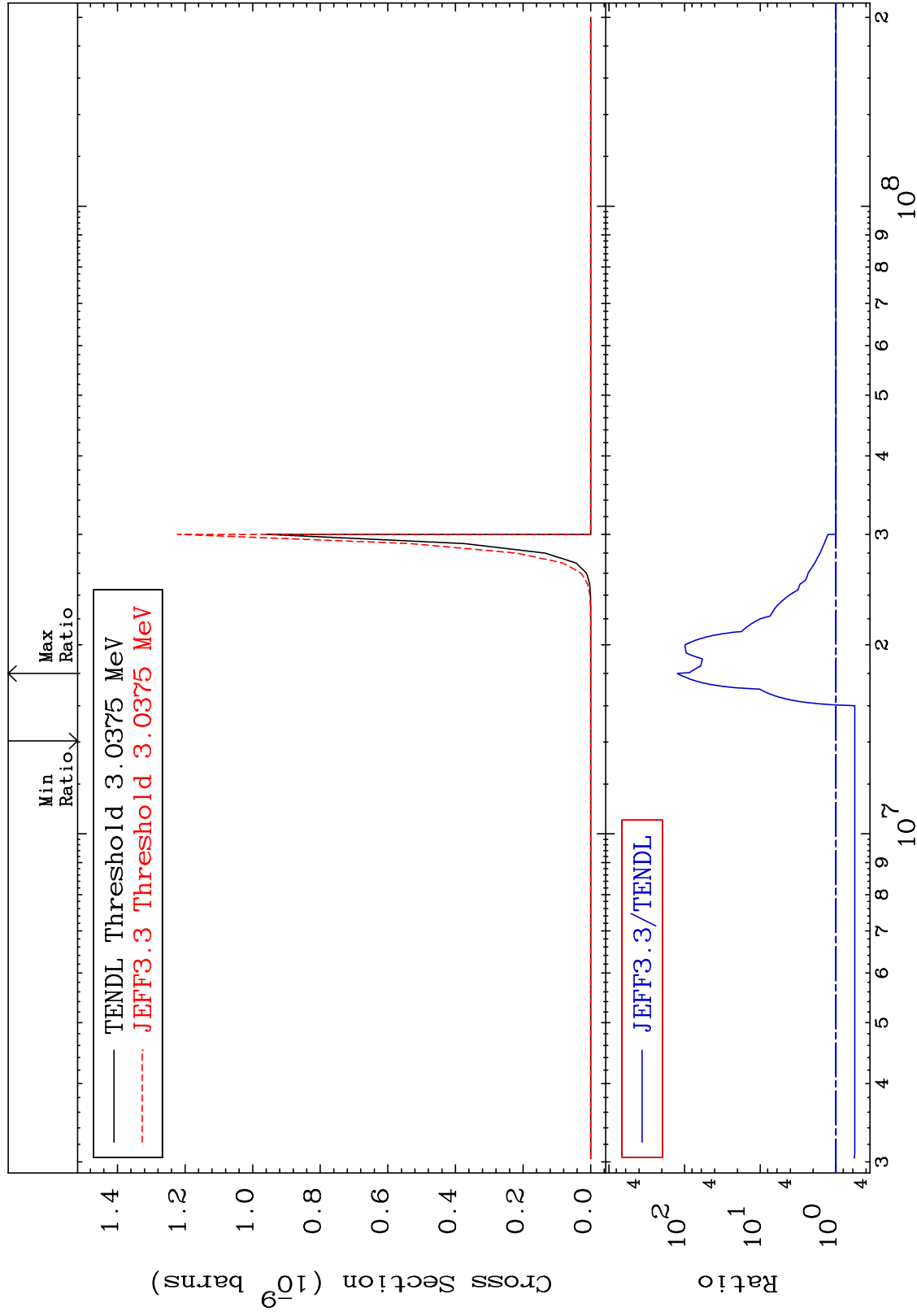


MAT 5243

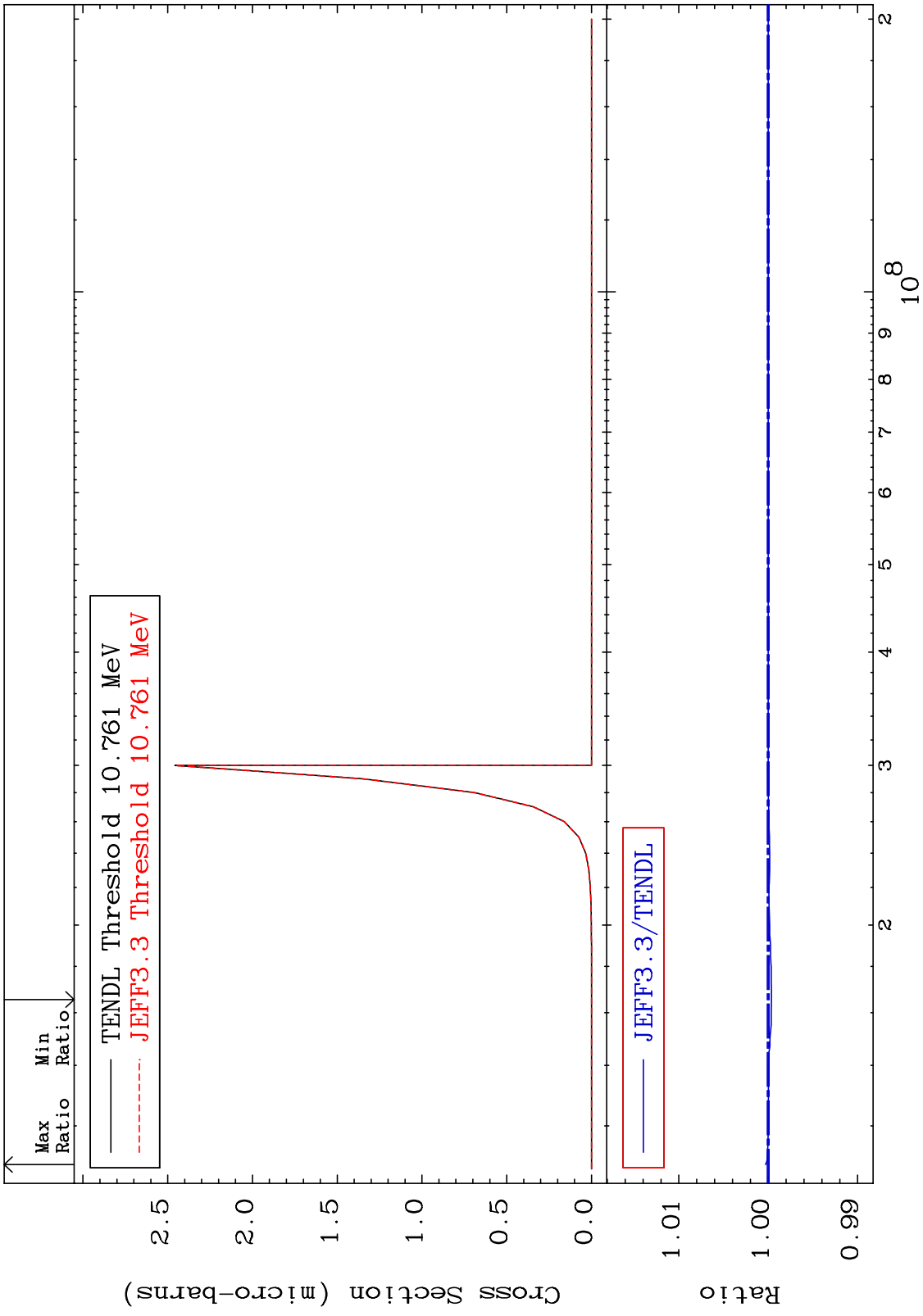
(n,2α) : 48-Cd-119m2

52-Te-126

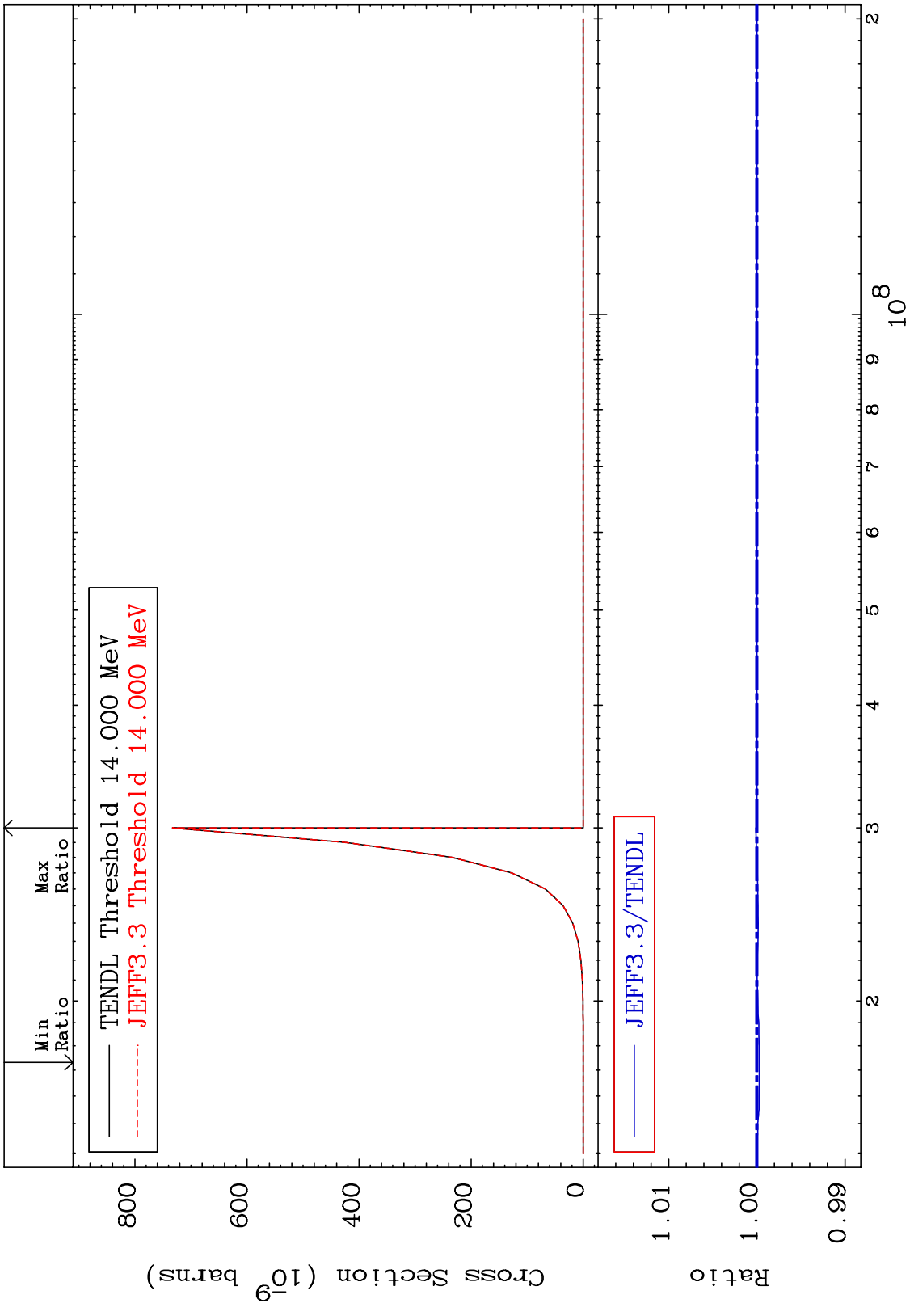
Radionuclide Production Cross Section -43.69 To 9999. %



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

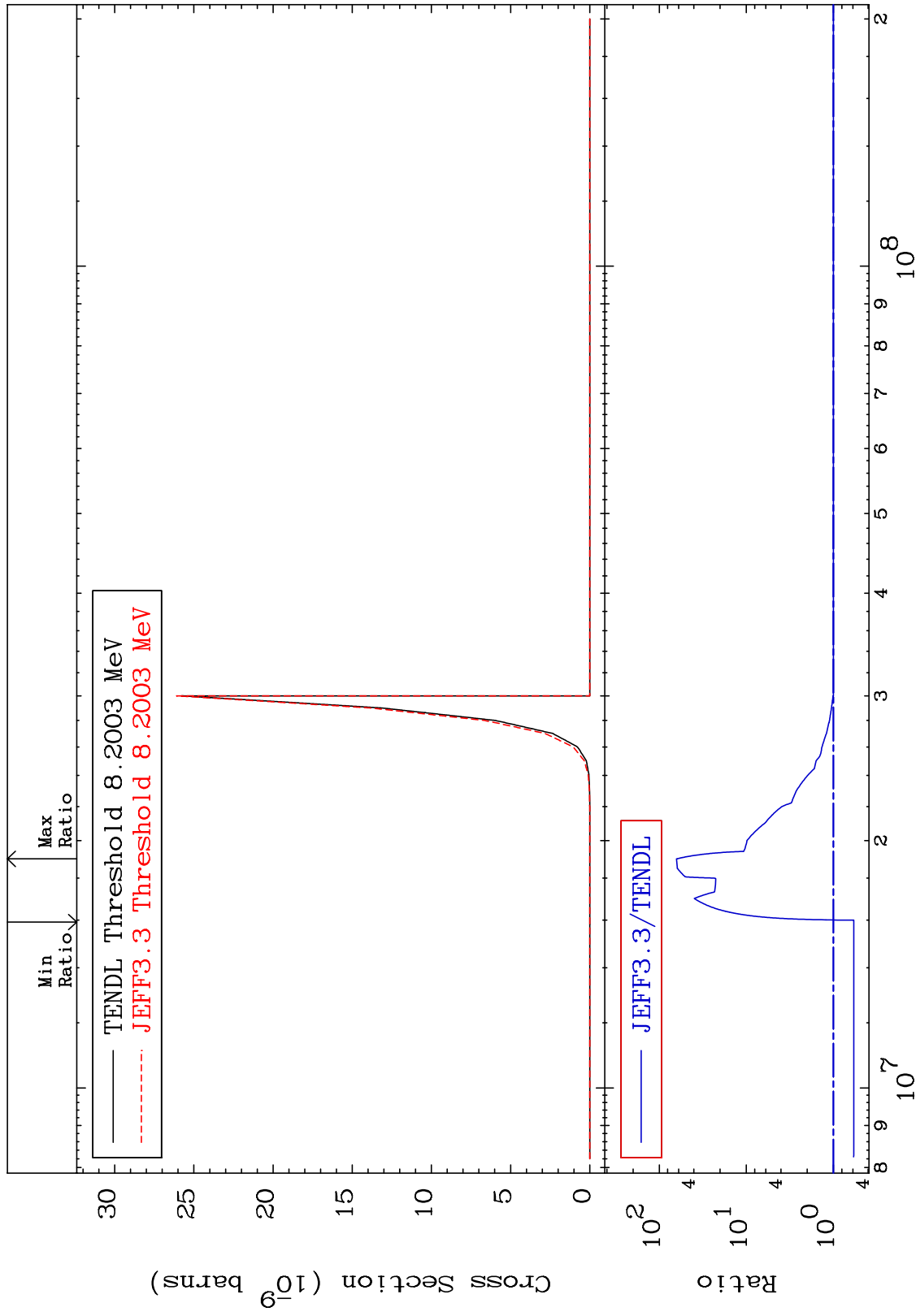


MAT 5243 (n,2p):50-Sn-125m1 52-Te-126
 Radionuclide Production Cross Section -0.029 To 0.011 %

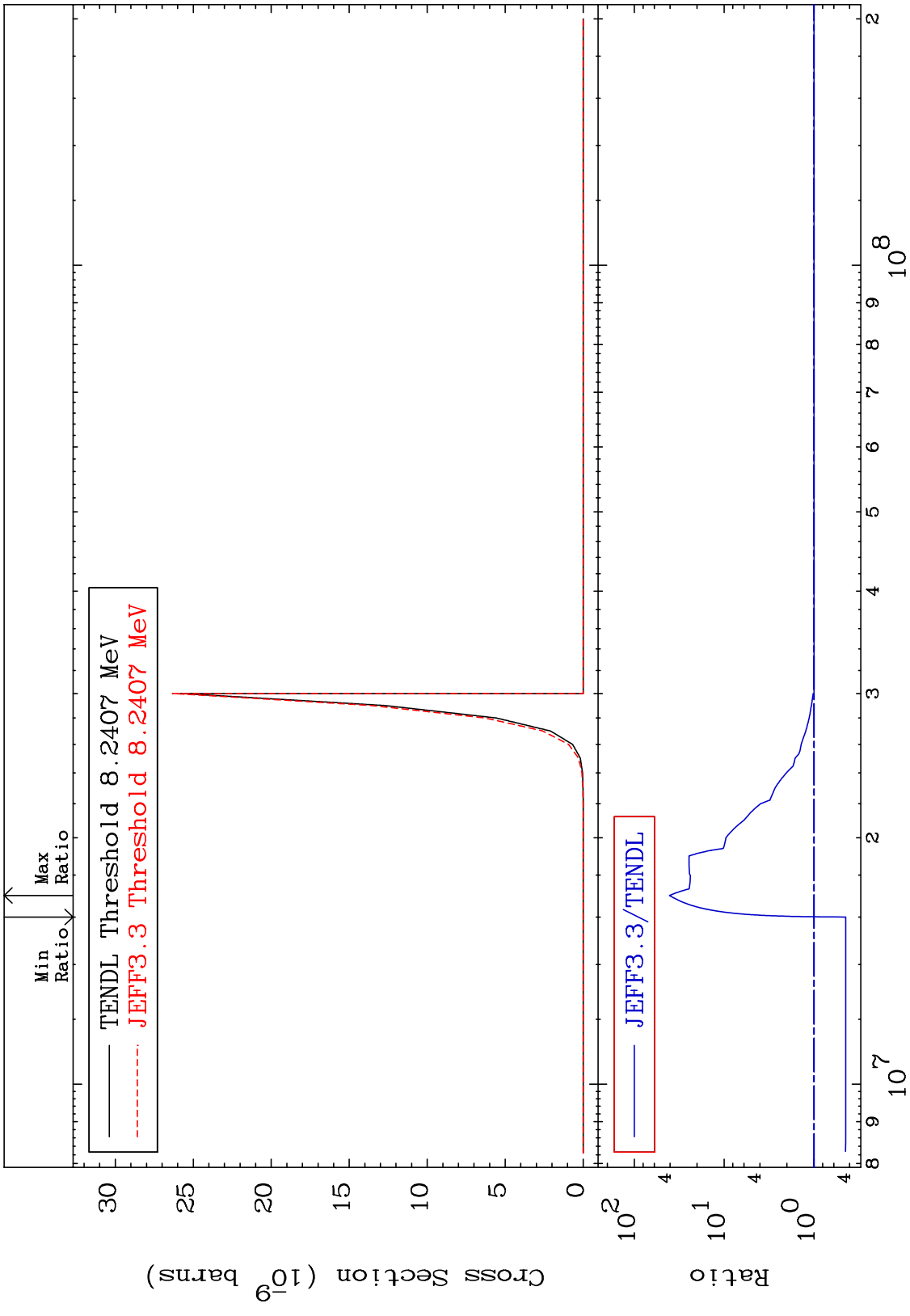


MAT 5243

(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. %

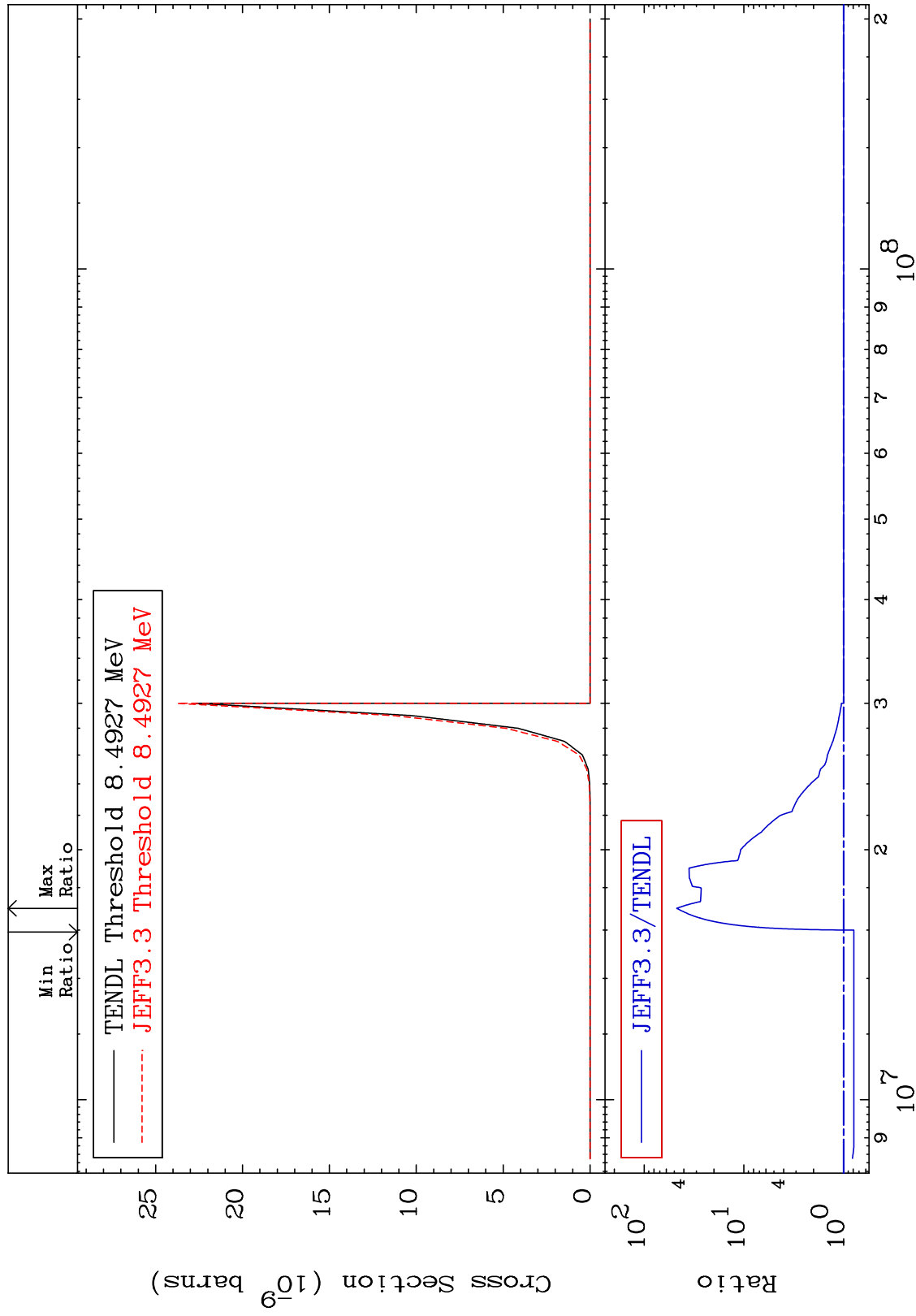


MAT 5243

(n, p) α :49-In-122m5

52-Te-126

Radionuclide Production Cross Section -21.24 To 4620. %



99

Incident Energy (eV)

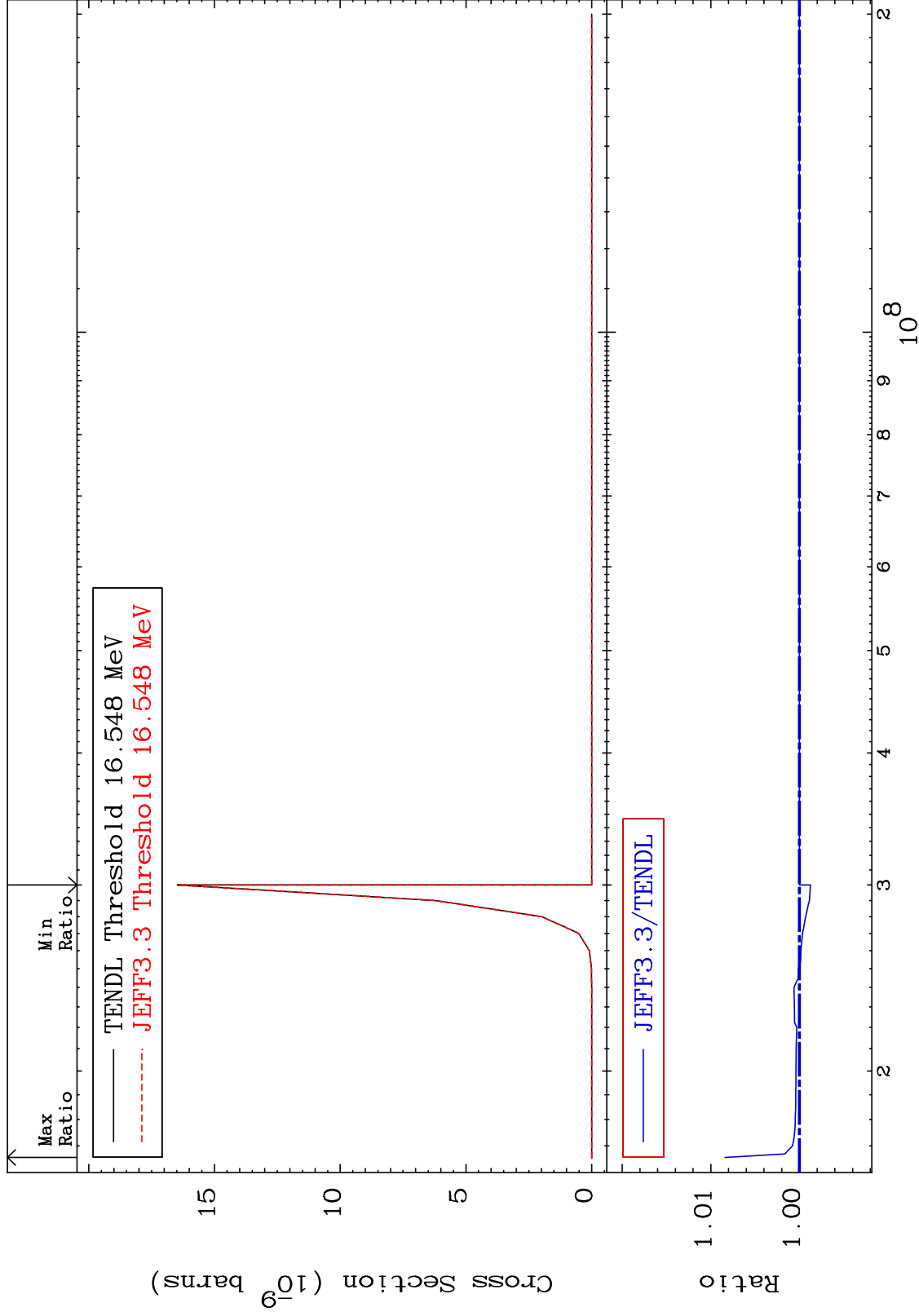
52-Te-126

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 %

