

Program Complot
(Version 2018-1)

by

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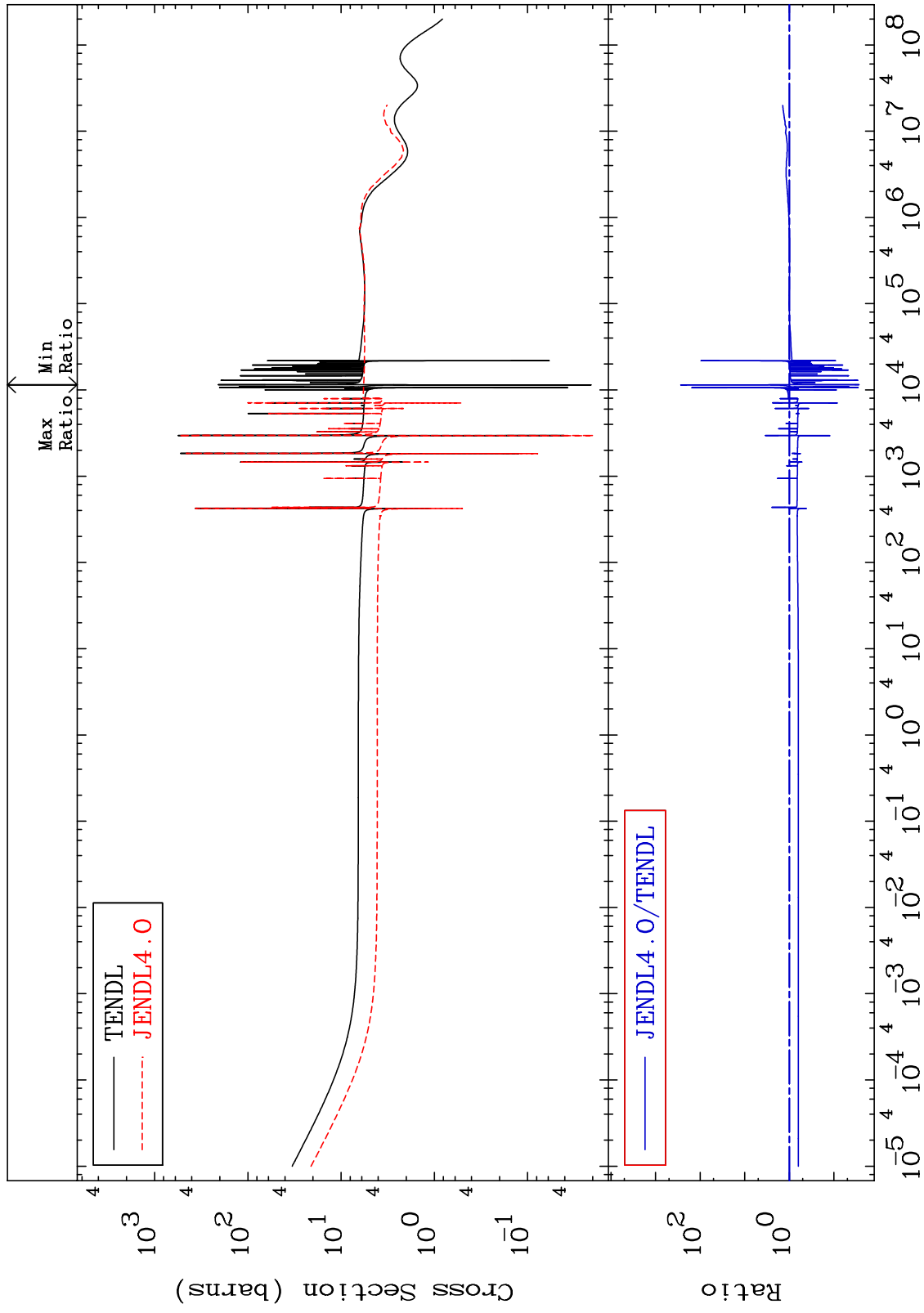
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5249

Elastic
Cross Section

52-Te-128
-97.27 To 9999. %

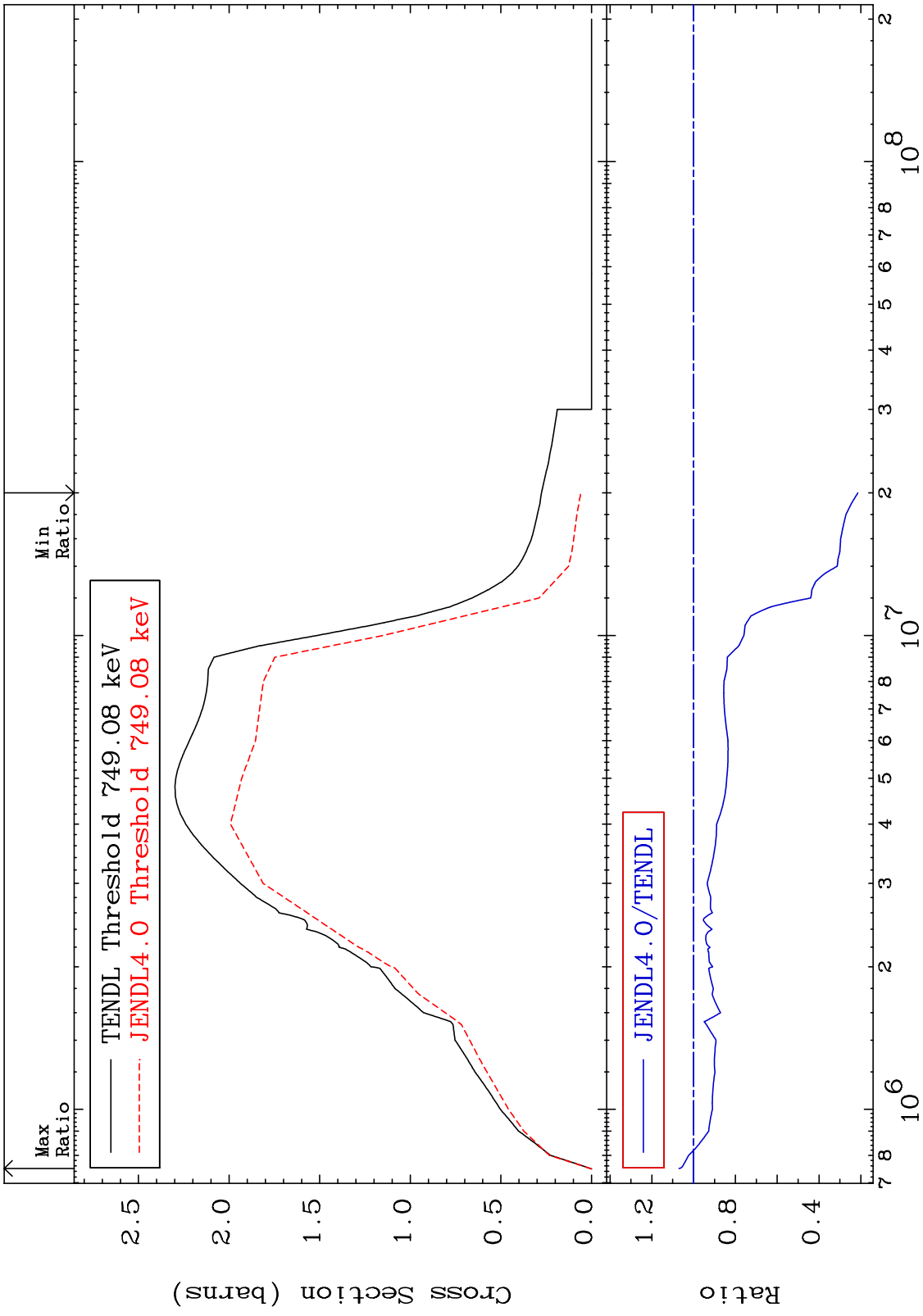


2

Incident Energy (eV)

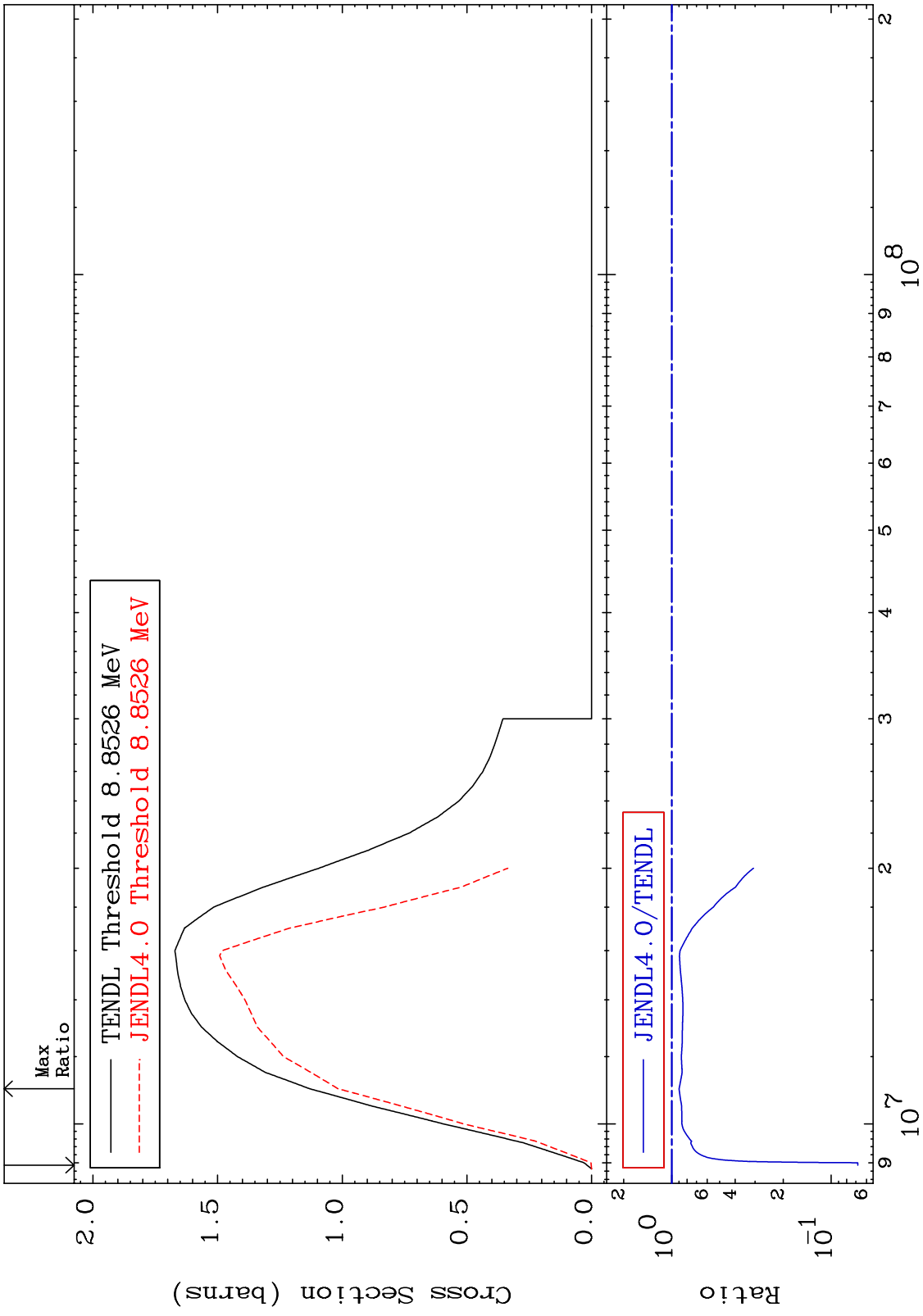
52-Te-128

MAT 5249 Inelastic Cross Section 52-Te-128 -78.58 To 6.979 %

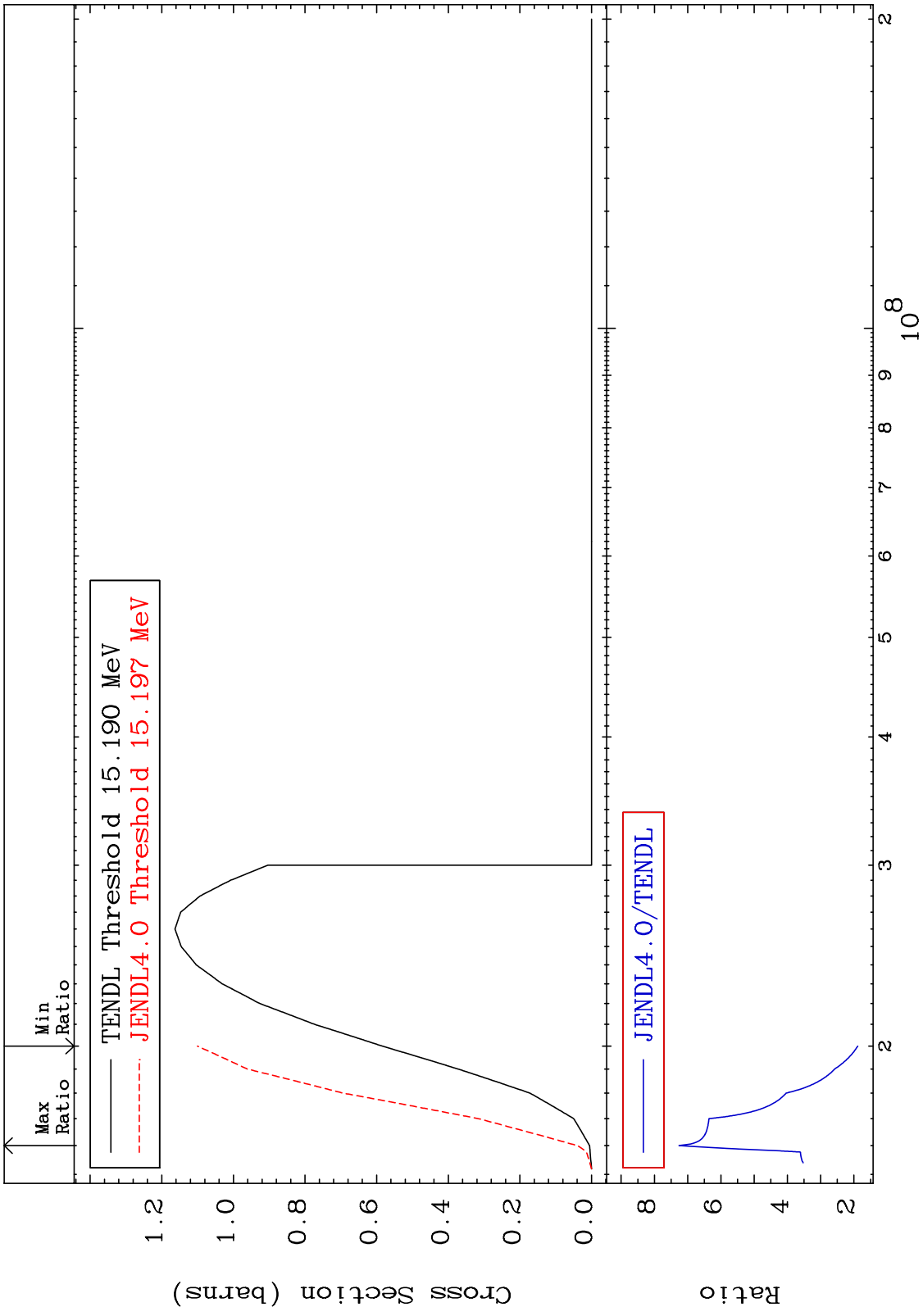


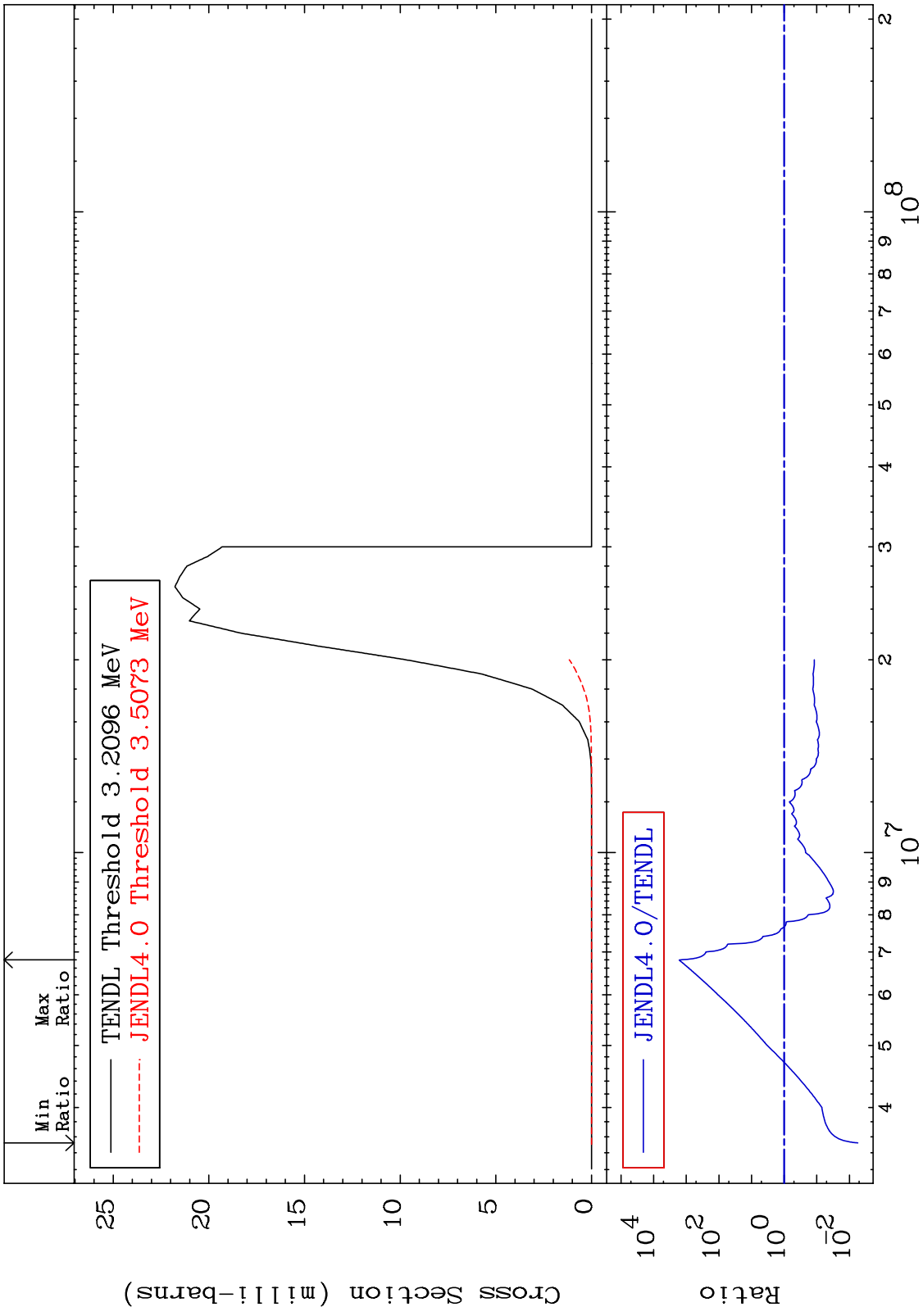
3 52-Te-128

MAT 5249 (n,2n) Cross Section 52-Te-128 -93.20 To -10.07%

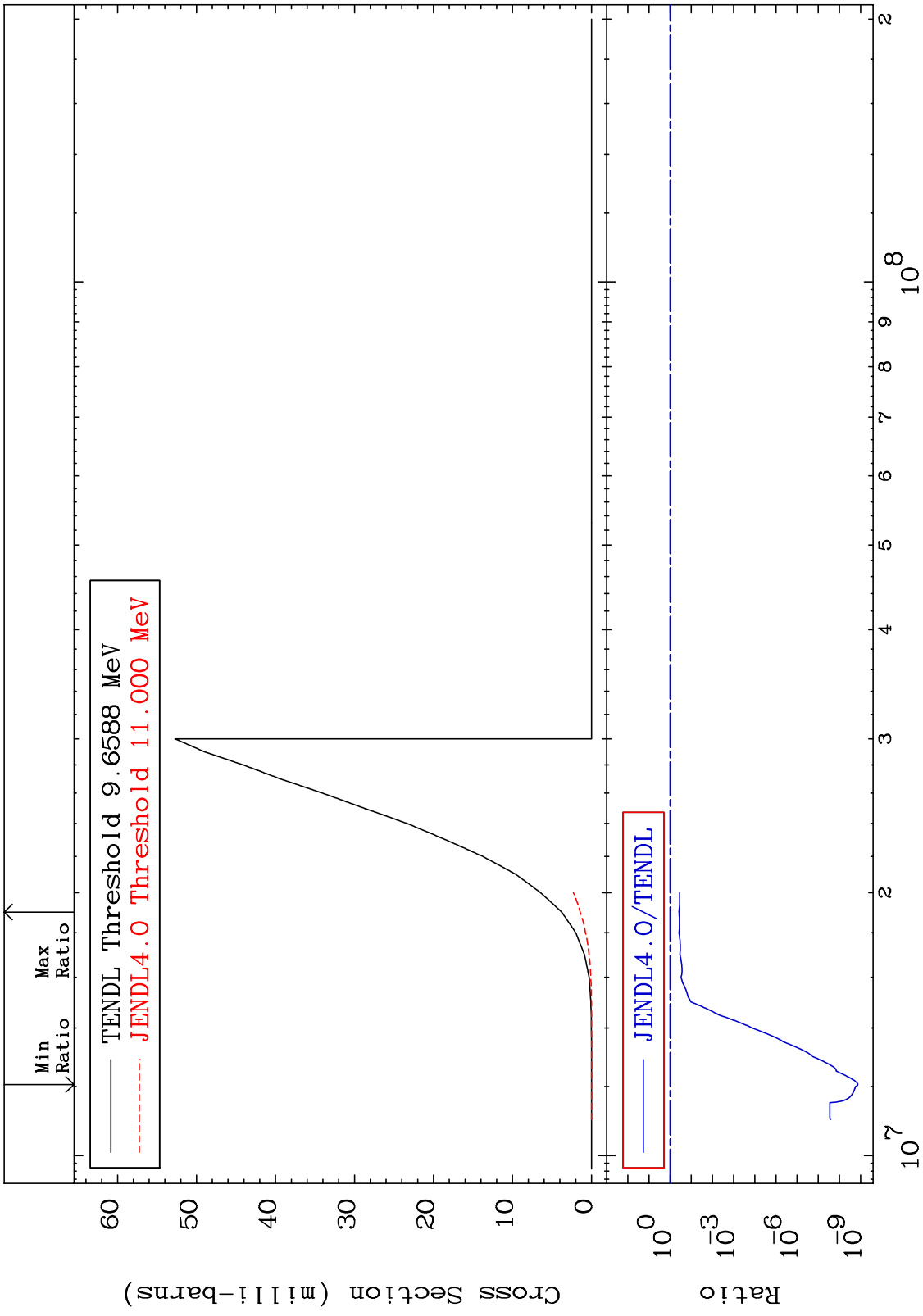


MAT 5249 (n,3n) Cross Section 52-Te-128 To 625.9 %
88.35



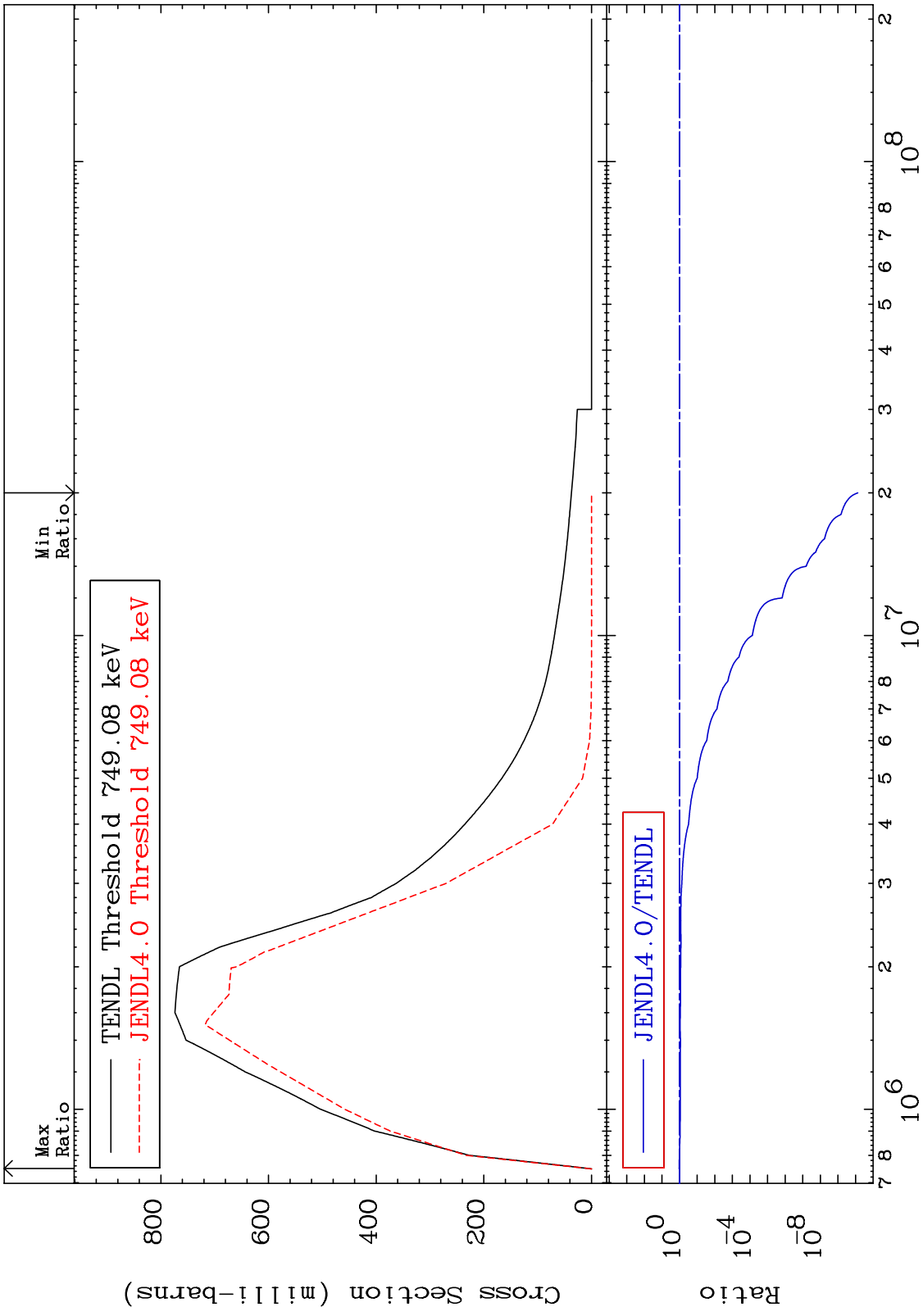


MAT 5249 (n,n') p 52-Te-128
Cross Section -100.0 To -62.08%



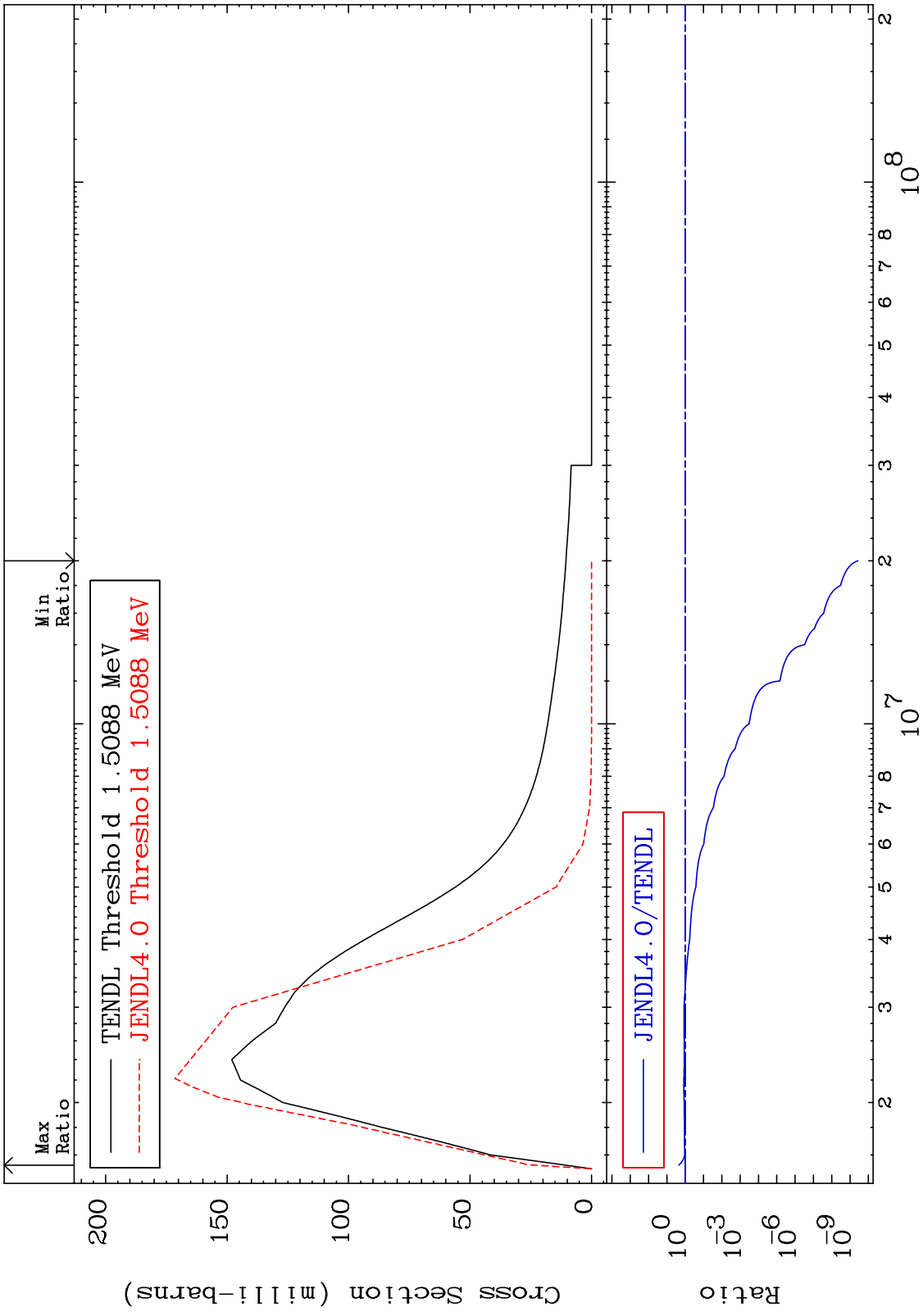
52-Te-128

MAT 5249 MT= 51 (n,n') Level Cross Section 52-Te-128 -100.0 To 6.979 %

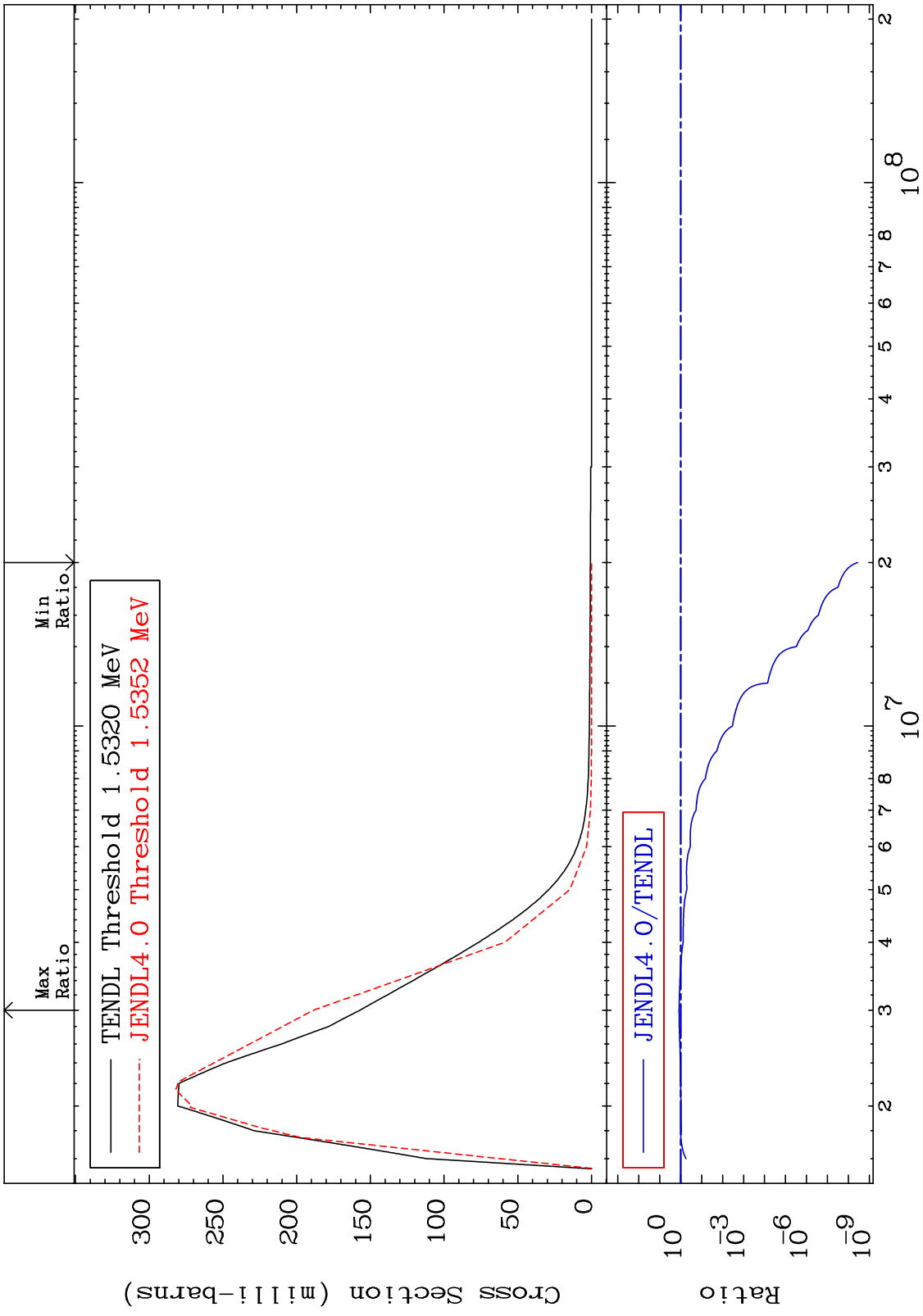


8 Incident Energy (eV) 52-Te-128

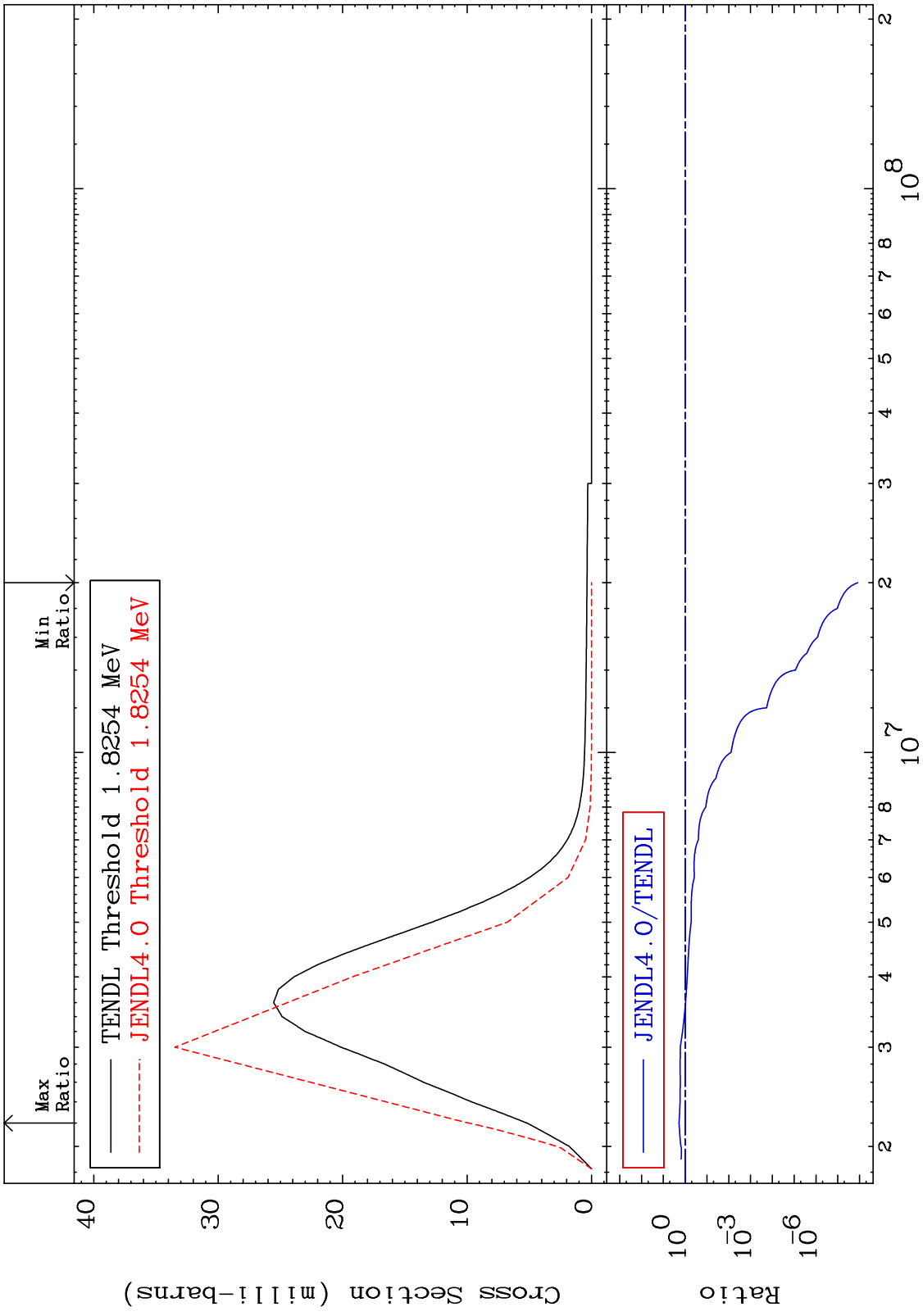
MAT 5249 MT= 52 (n,n') Level Cross Section 52-Te-128
 -100.0 To 116.5 %



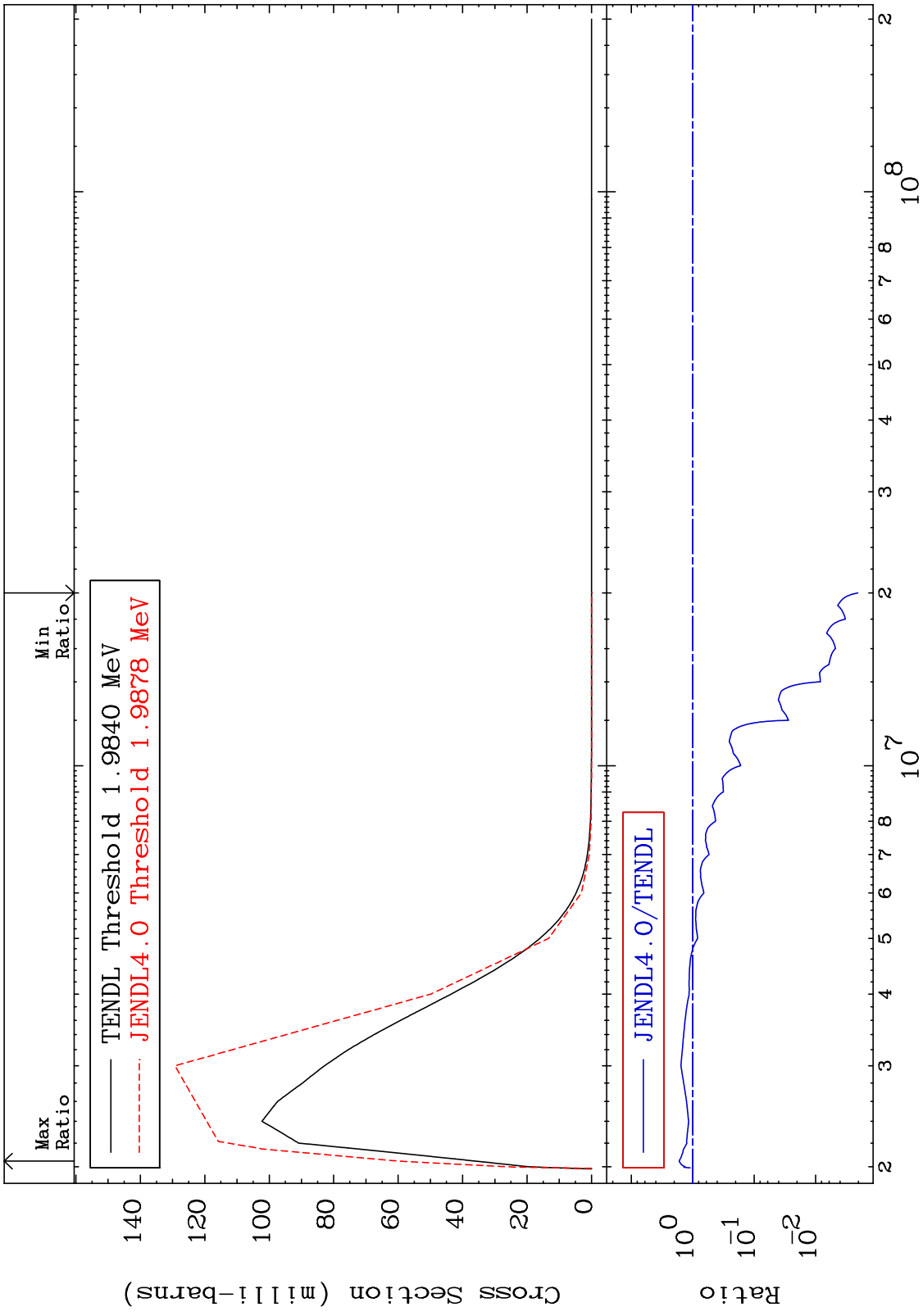
MAT 5249 MT= 53 (n,n') Level Cross Section 52-Te-128
 -100.0 To 20.08 %



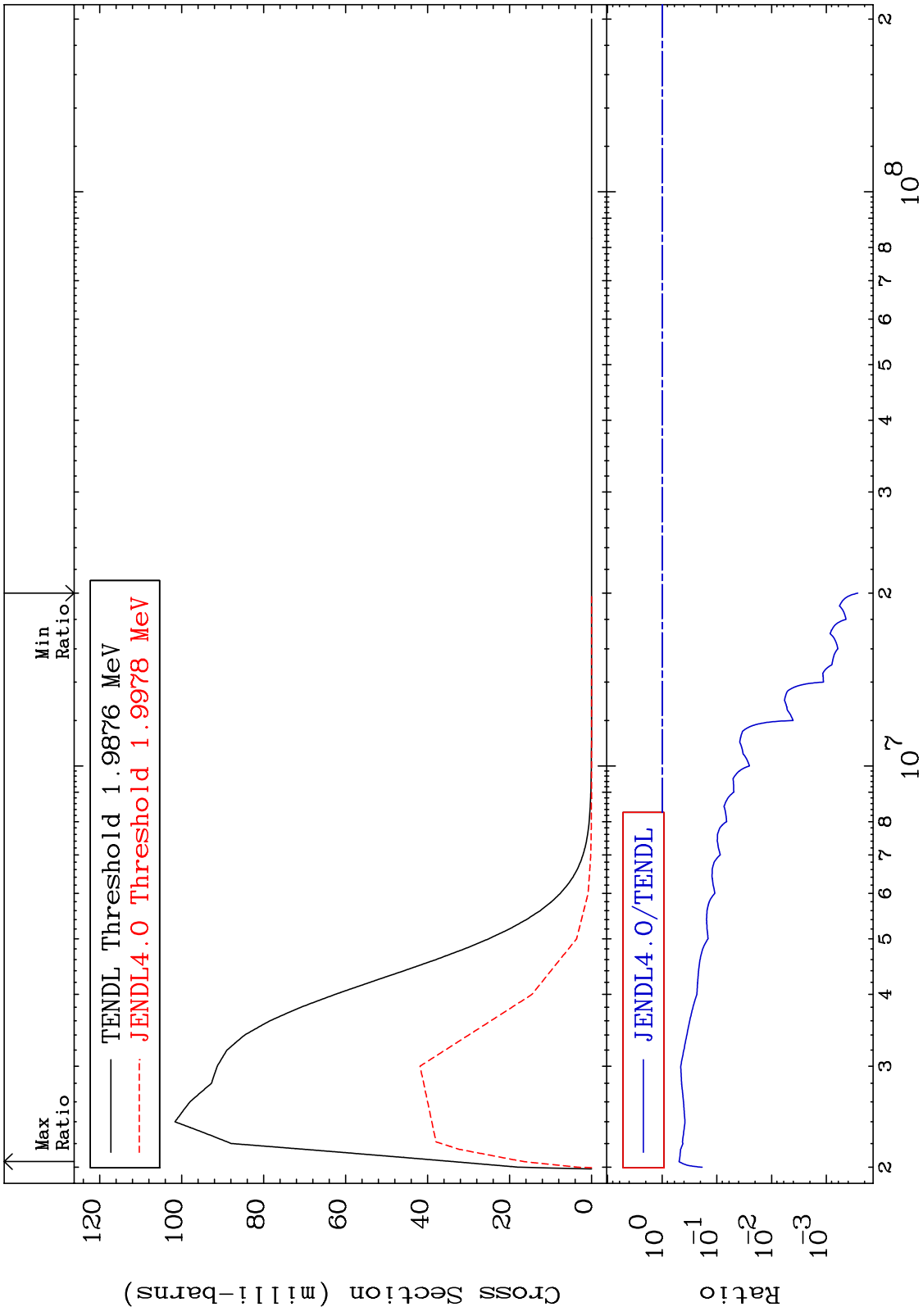
MAT 5249 MT= 54 (n,n') Level Cross Section 52-Te-128
 -100.0 To 90.13 %



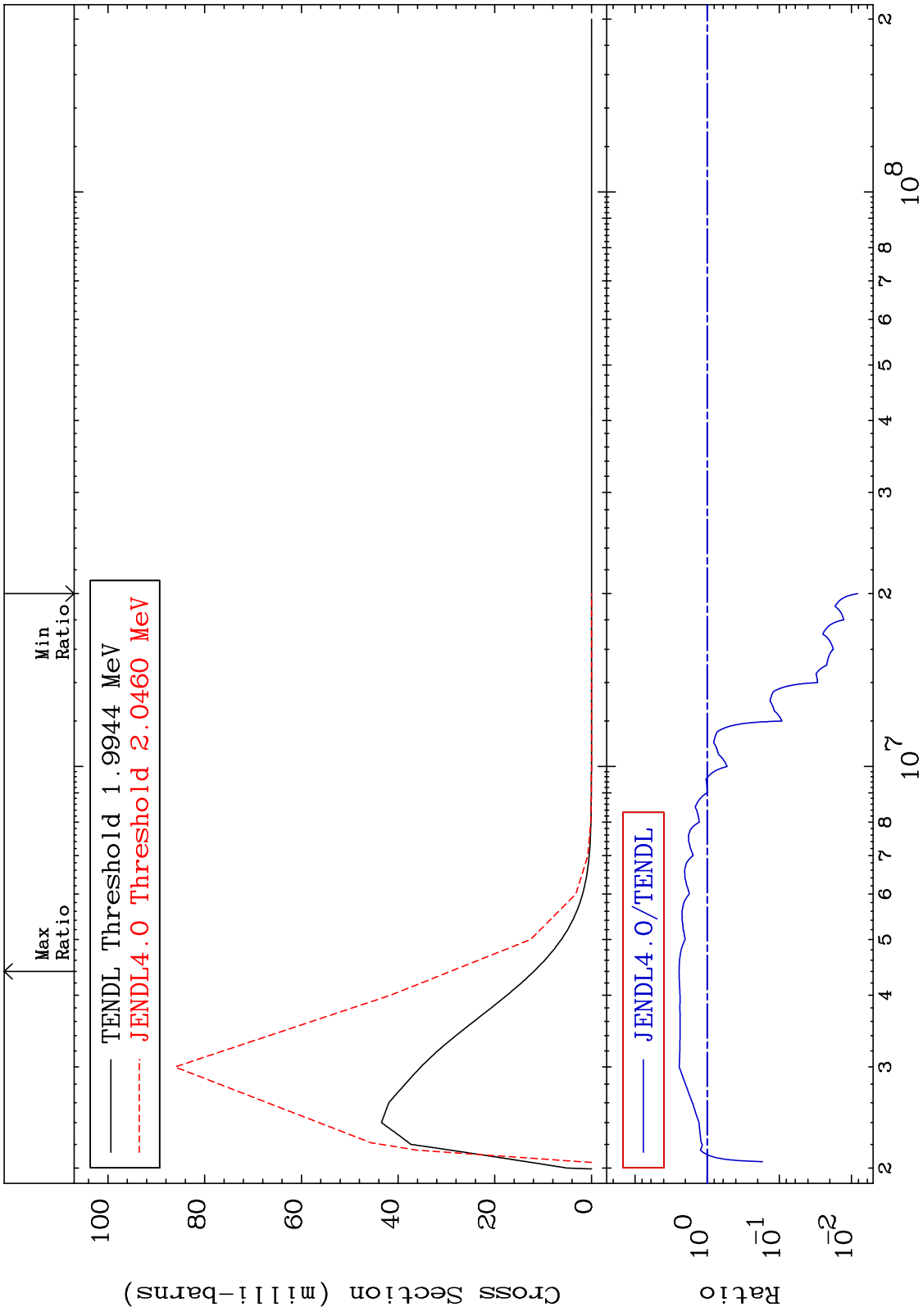
MAT 5249 MT= 55 (n,n') Level Cross Section 52-Te-128 -99.79 To 67.14 %



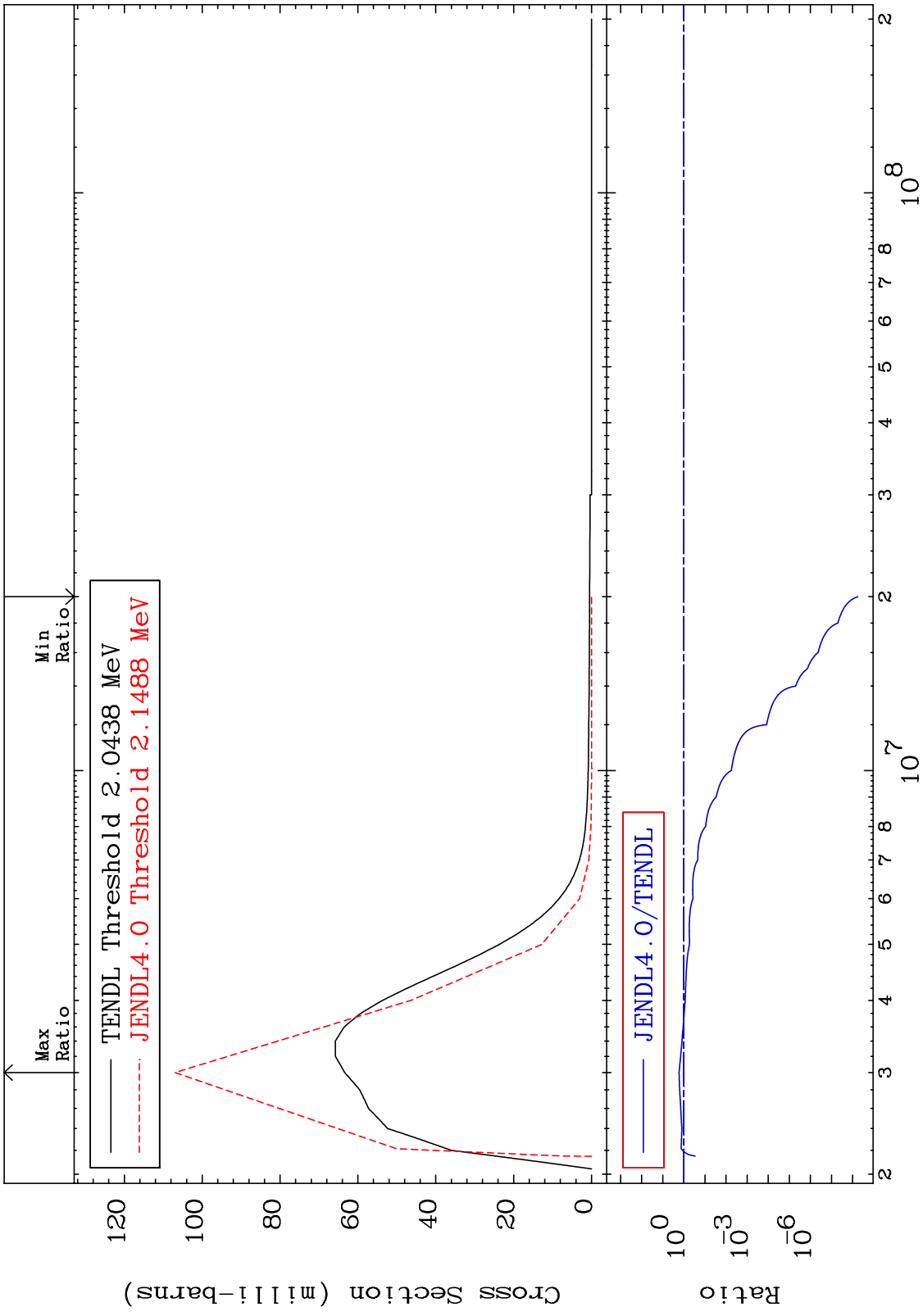
MAT 5249 MT= 56 (n,n') Level Cross Section 52-Te-128 -99.97 To -50.83%



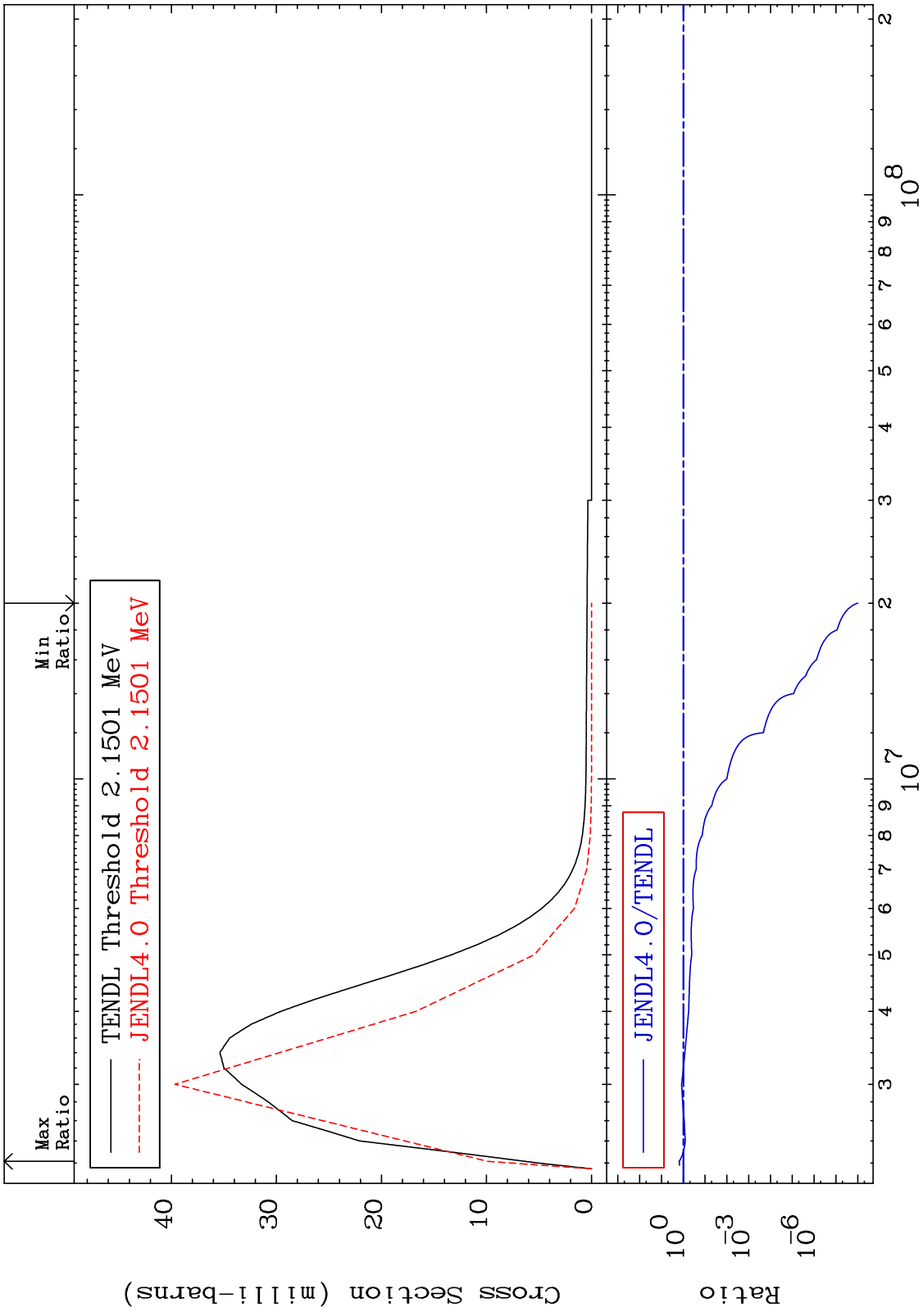
MAT 5249 MT= 57 (n,n') Level Cross Section 52-Te-128
 -99.18 To 145.1 %



MAT 5249 MT= 58 (n,n') Level Cross Section 52-Te-128
 -100.0 To 68.75 %



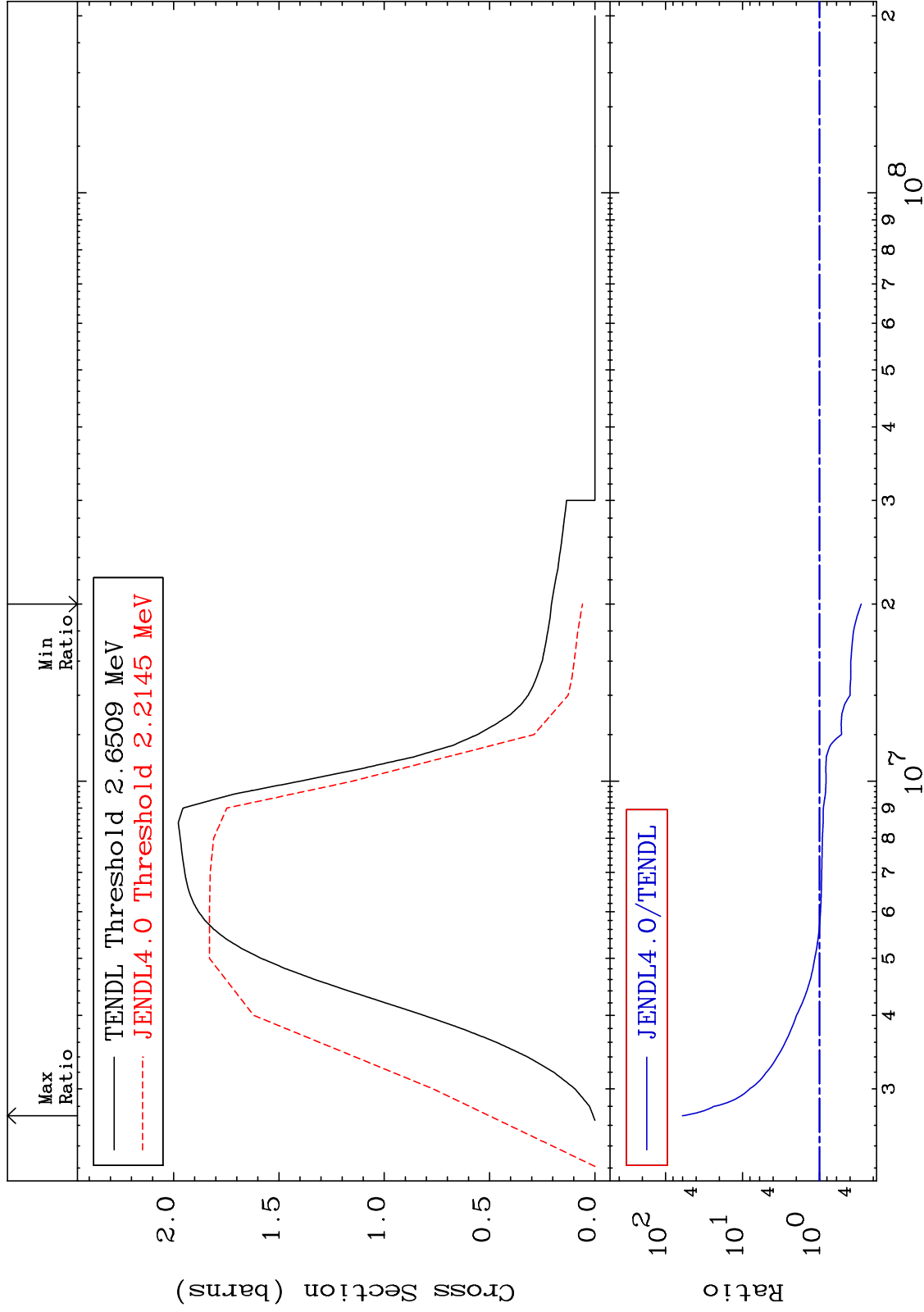
MAT 5249 MT= 59 (n,n') Level Cross Section 52-Te-128
 -100.0 To 55.86 %



MAT 5249

(n, n') Continuum
Cross Section

52-Te-128
-71.29 To 5933. %



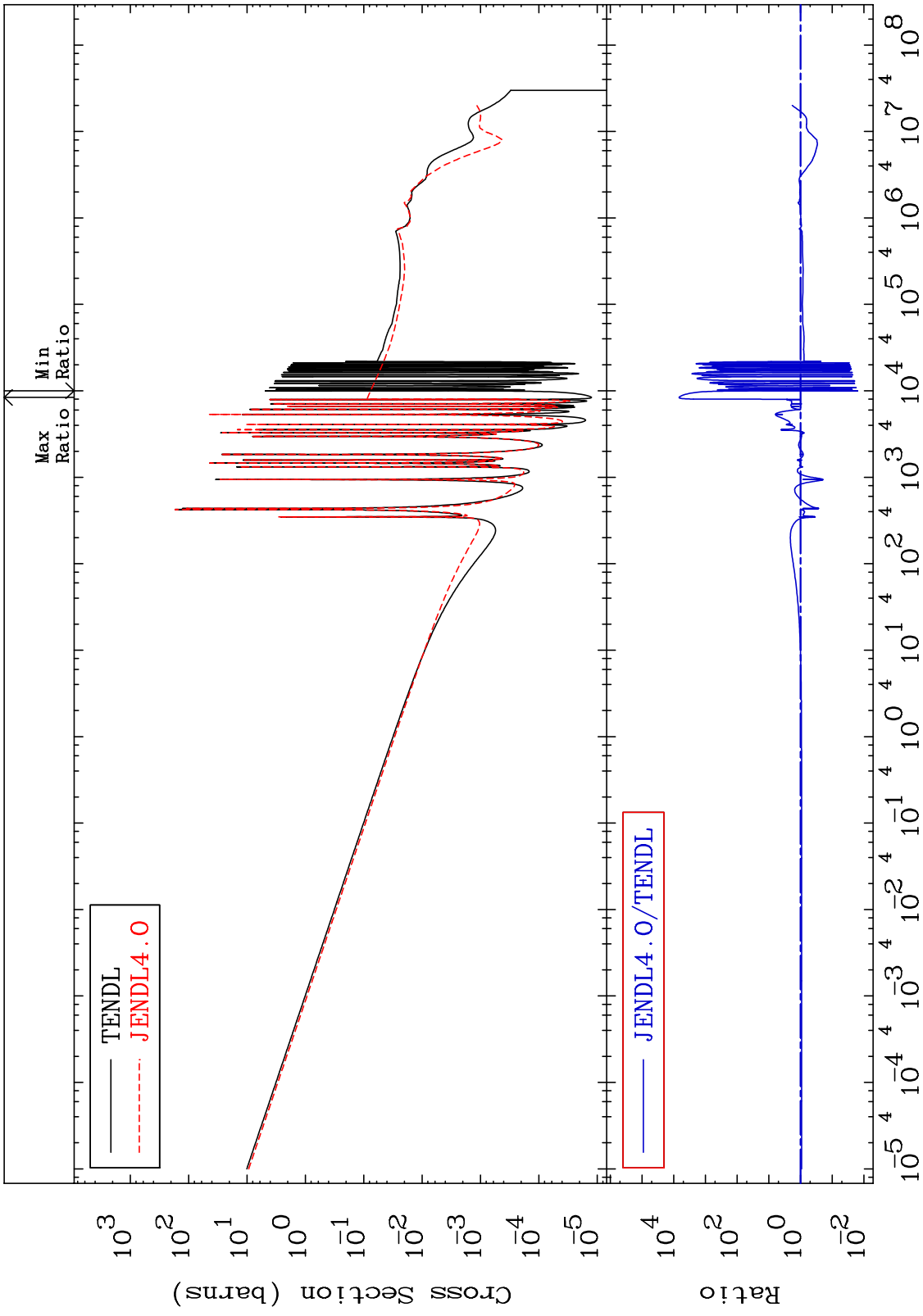
MAT 5249

(n, γ)

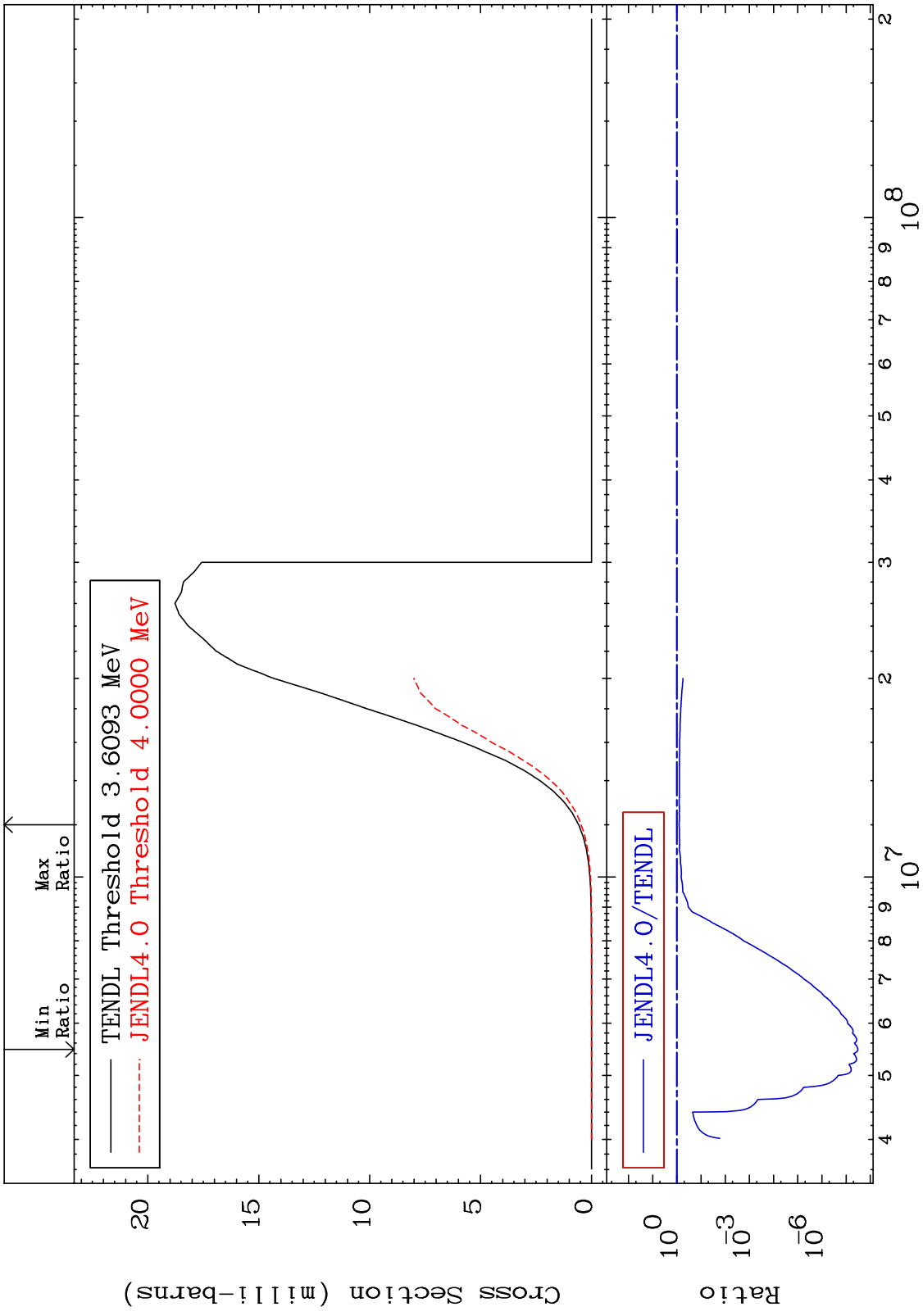
52-Te-128

Cross Section

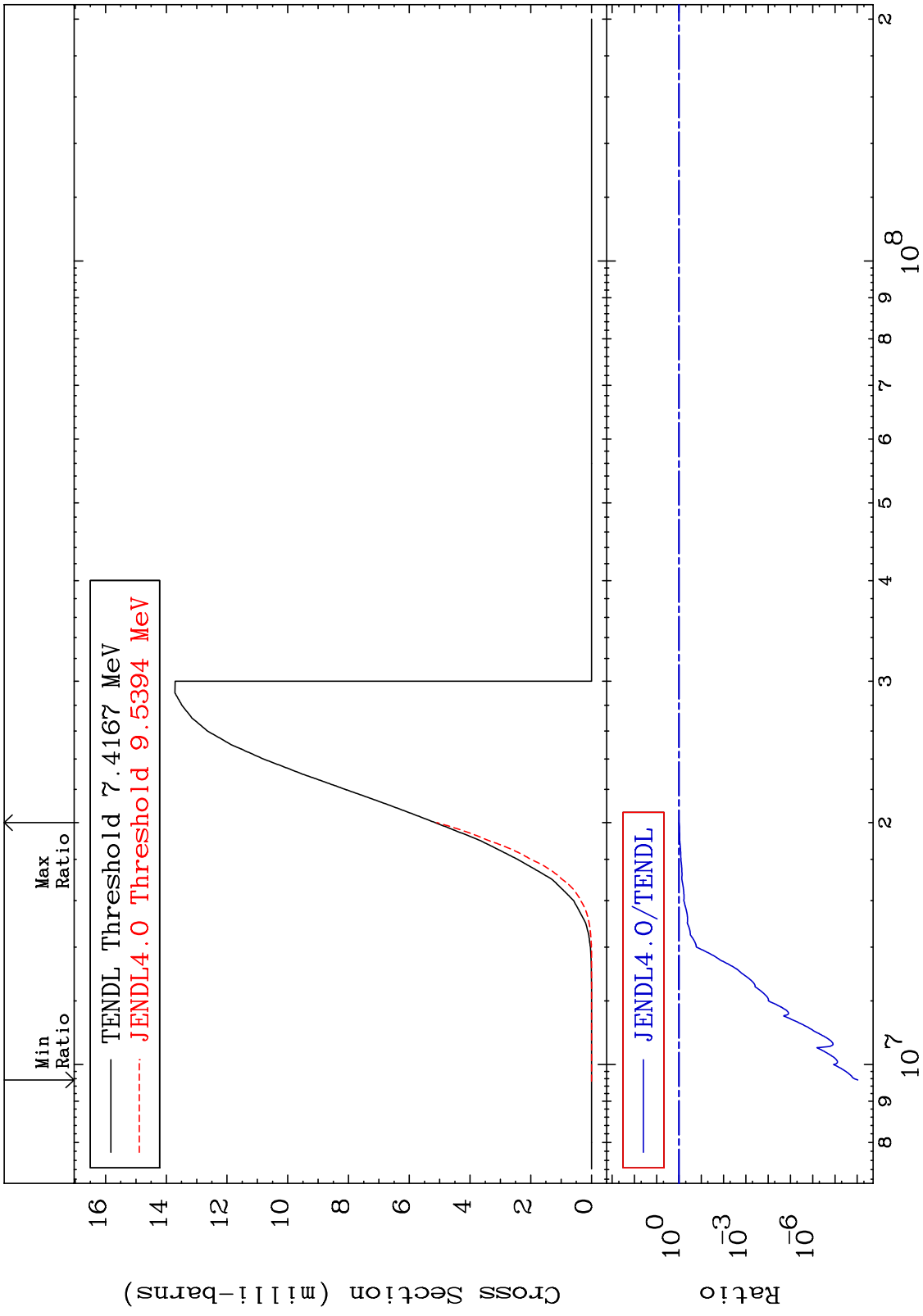
-98.44 To 9999. %



MAT 5249 (n,p) Cross Section 52-Te-128 -100.0 To -18.51%



MAT 5249 (n,d) Cross Section 52-Te-128 -100.0 To -1.120%



20 Incident Energy (eV) 52-Te-128

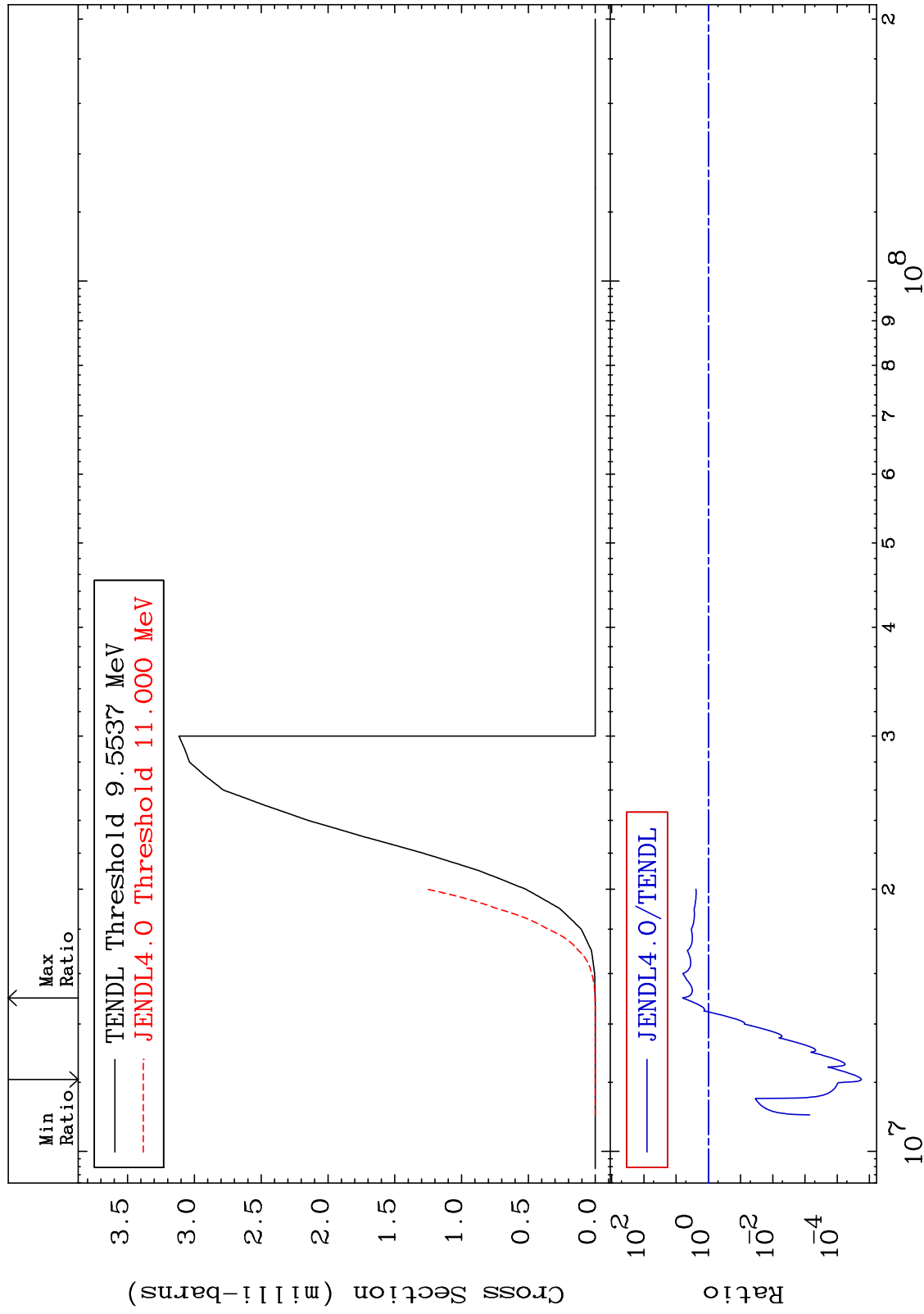
MAT 5249

(n,t)

52-Te-128

Cross Section

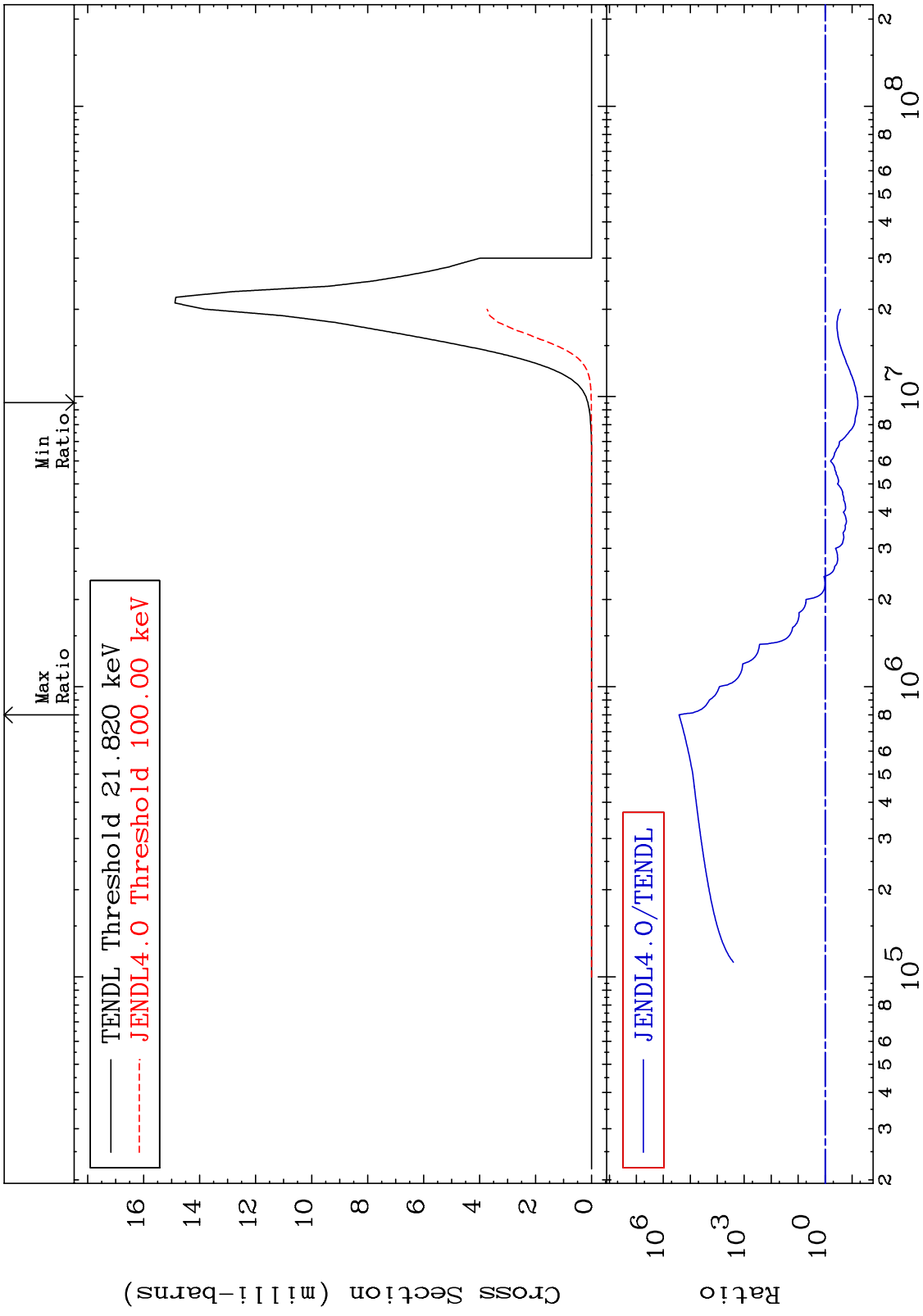
-100.0 To 527.4 %

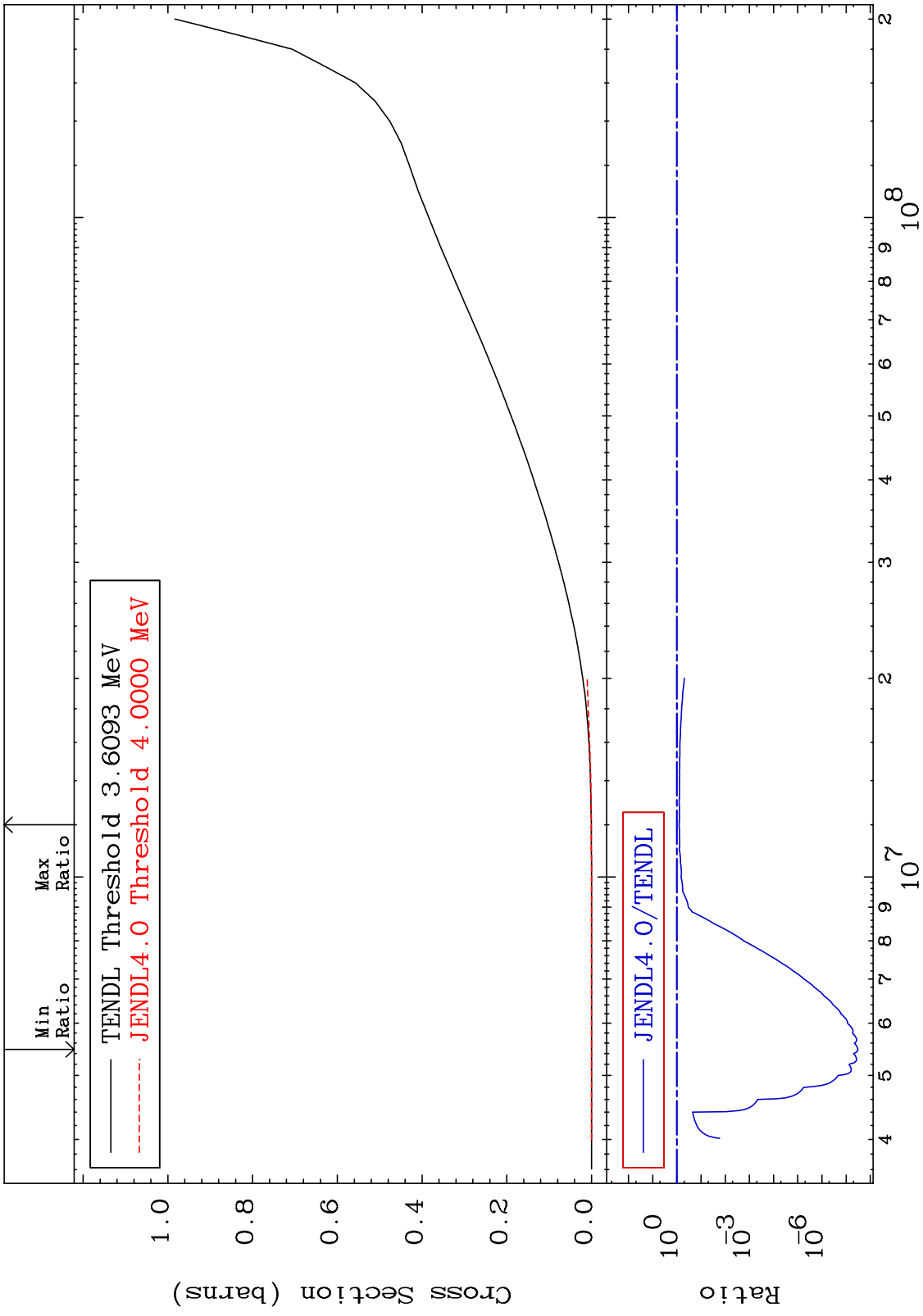


21

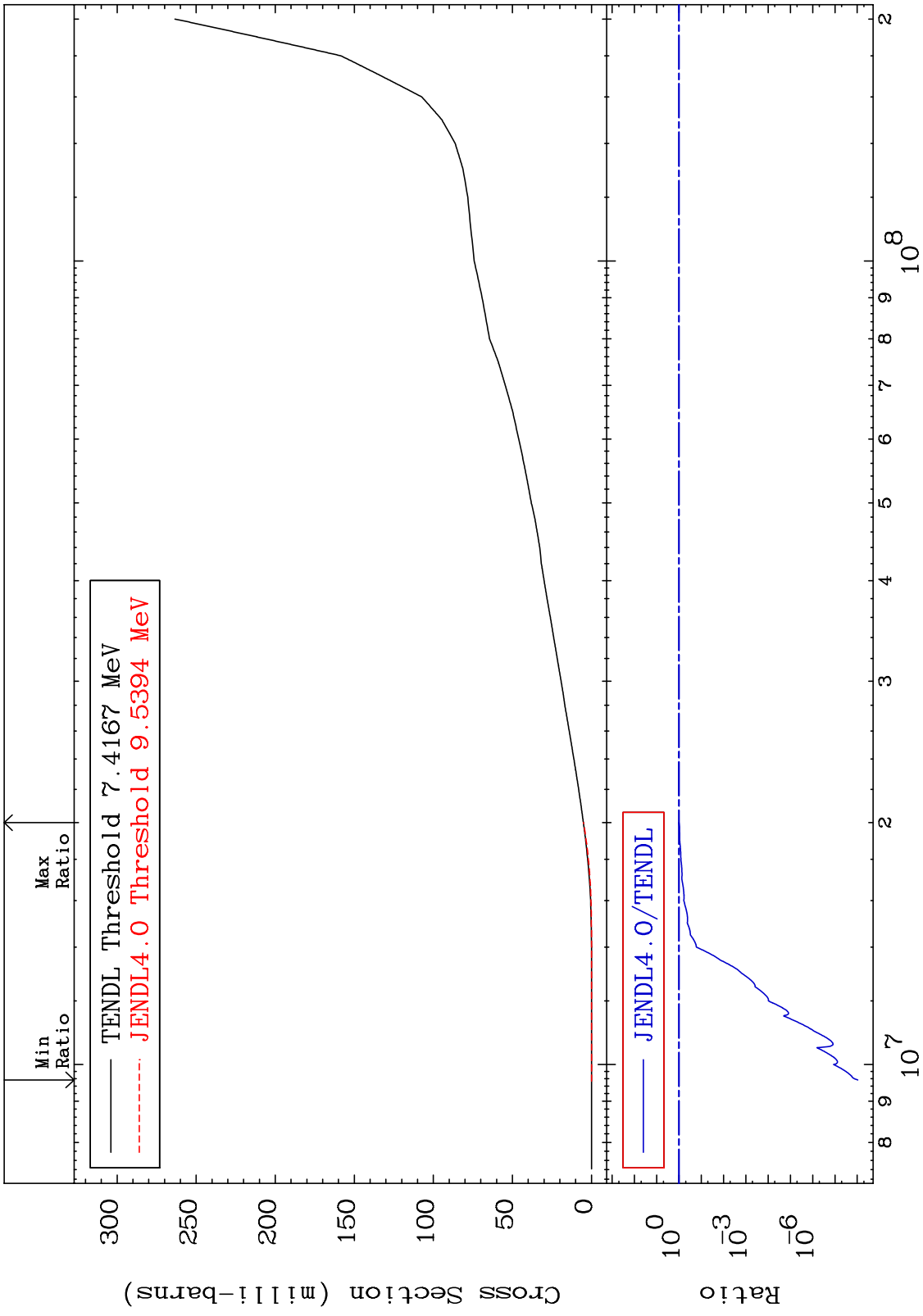
Incident Energy (eV)

52-Te-128





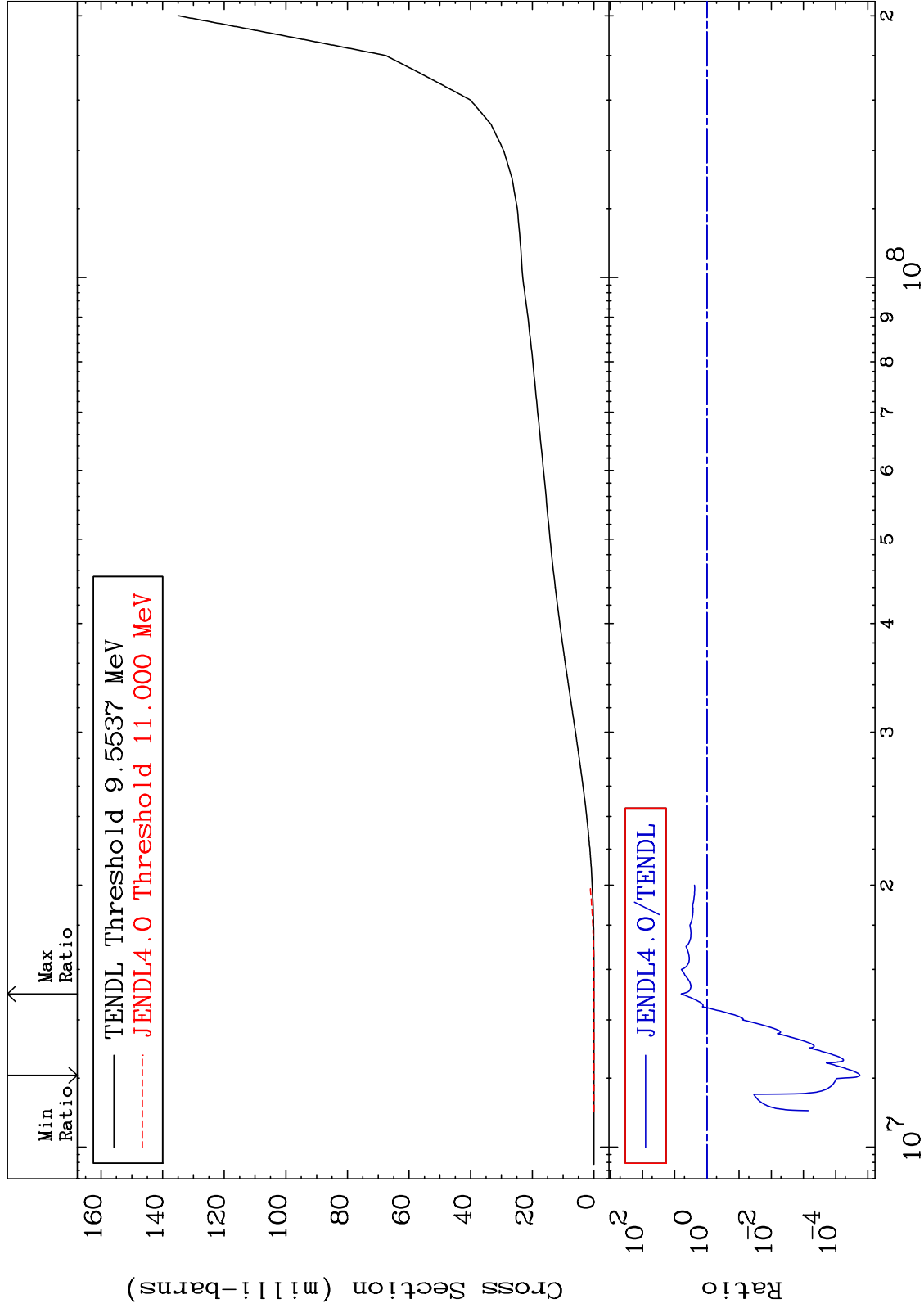
MAT 5249 Deuterium Production Cross Section 52-Te-128 -100.0 To -1.122%



MAT 5249

Tritium Production
Cross Section

52-Te-128
-100.0 To 527.4 %



25

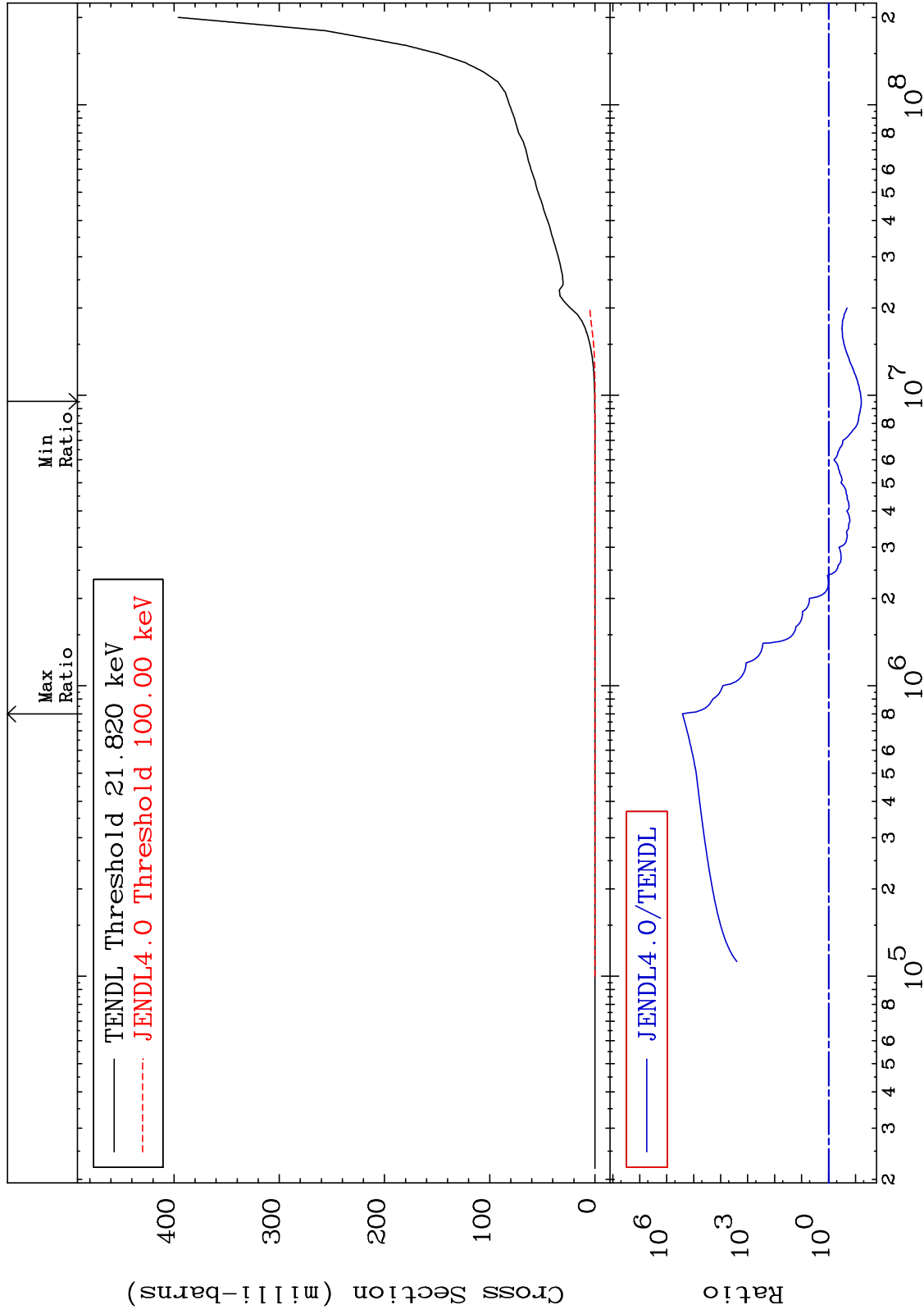
Incident Energy (eV)

52-Te-128

MAT 5249

He-4 Production
Cross Section

52-Te-128
-93.88 To 9999. %

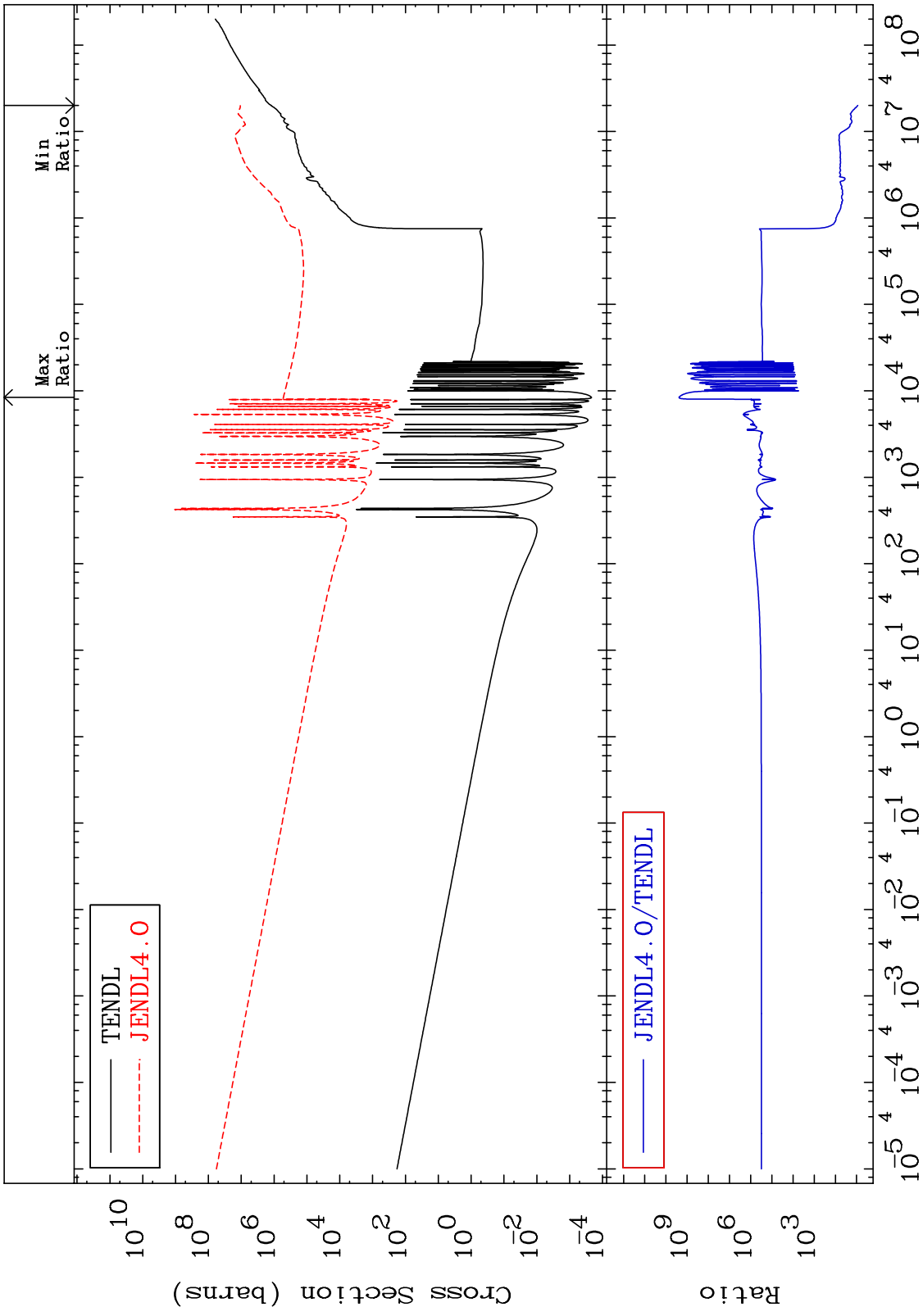


26

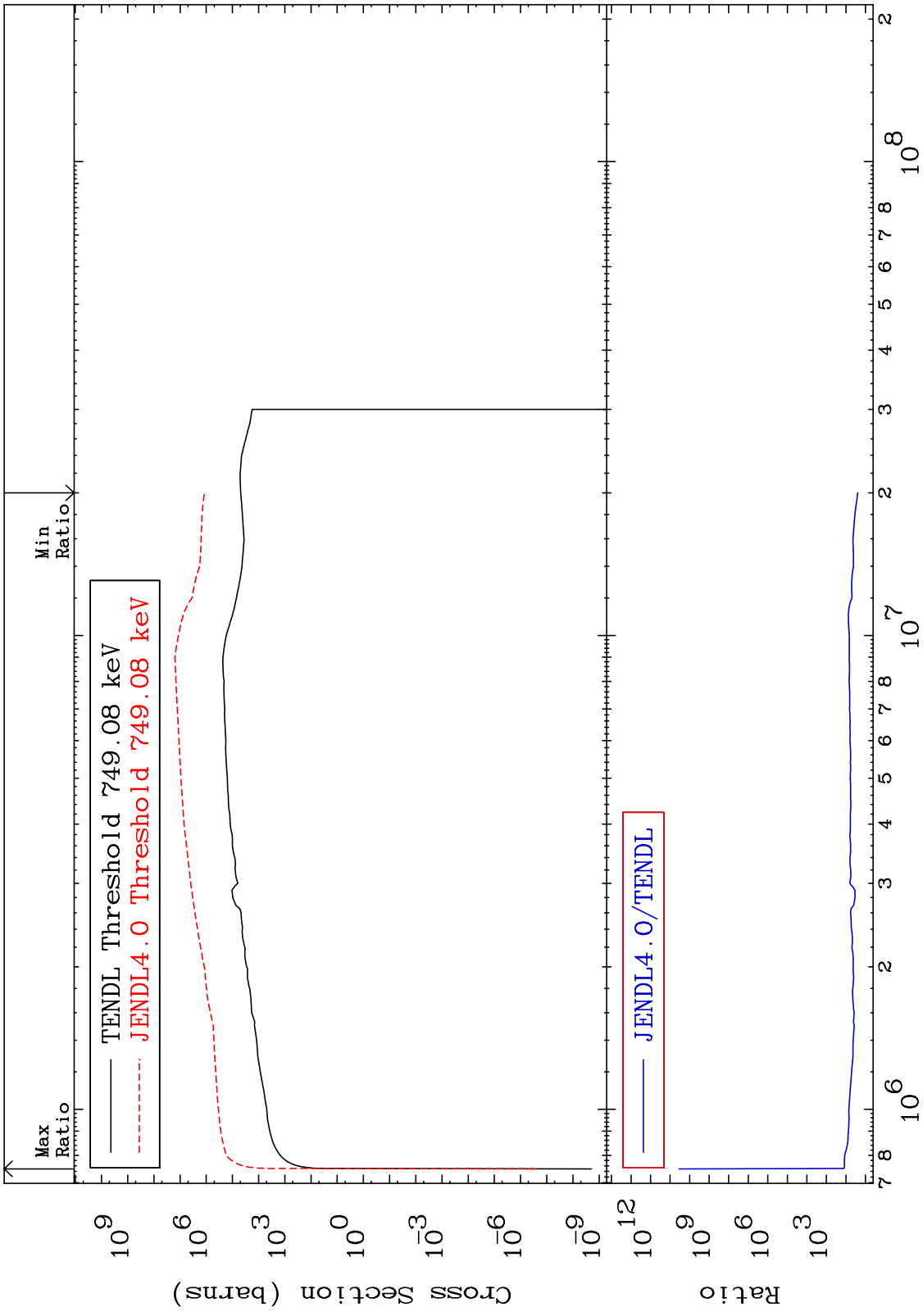
Incident Energy (eV)

52-Te-128

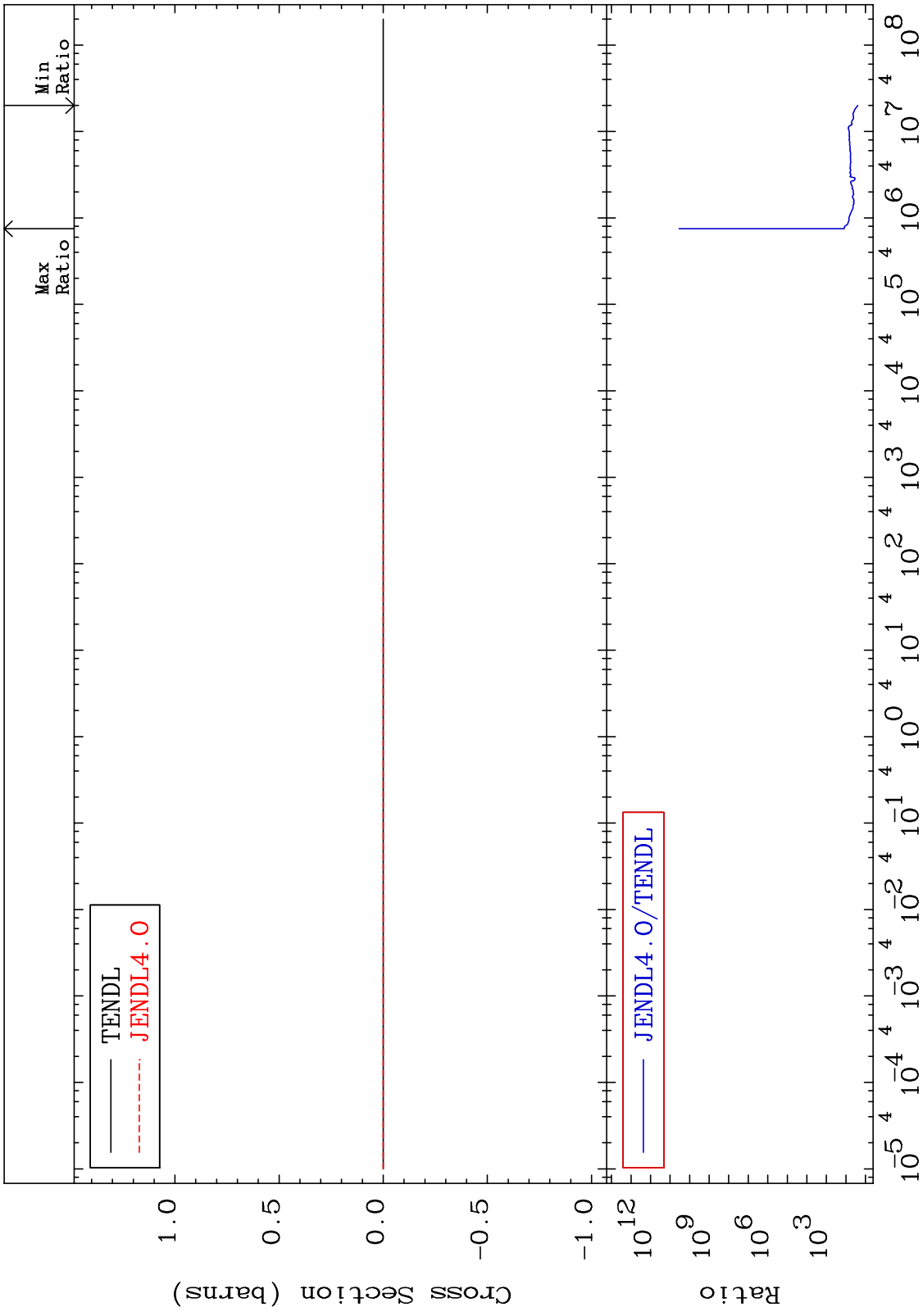
MAT 5249 Kerma non-elastic (all but mt2) 52-Te-128
 Cross Section 772.5 To 9999. %



MAT 5249 Kerma inelastic (mt51-91) 52-Te-128
 Cross Section 2350. To 9999. %



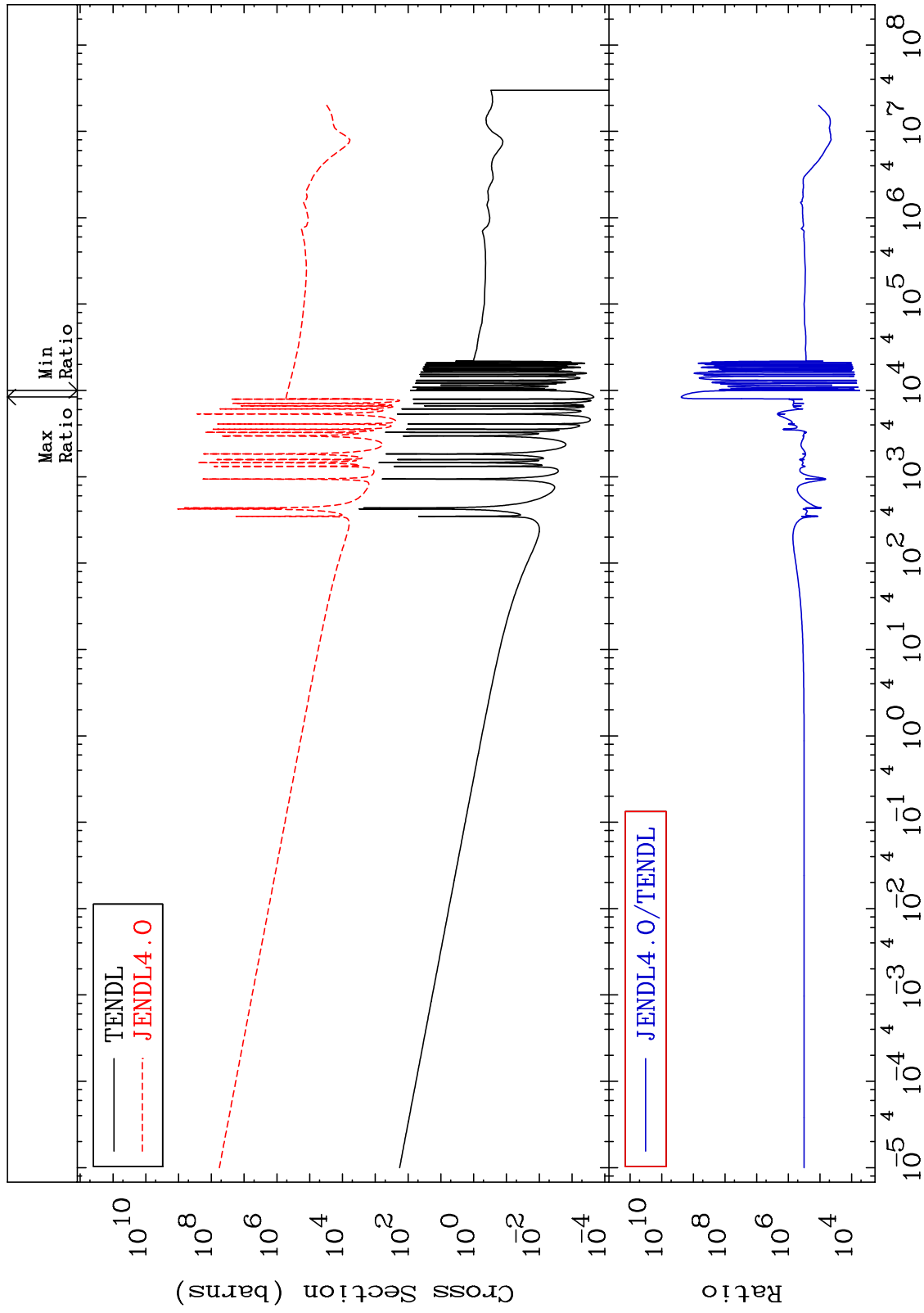
MAT 5249 Kerma fission (mt18 or mt19-20-21-38) 52-Te-128
 Cross Section 2350. To 9999. %



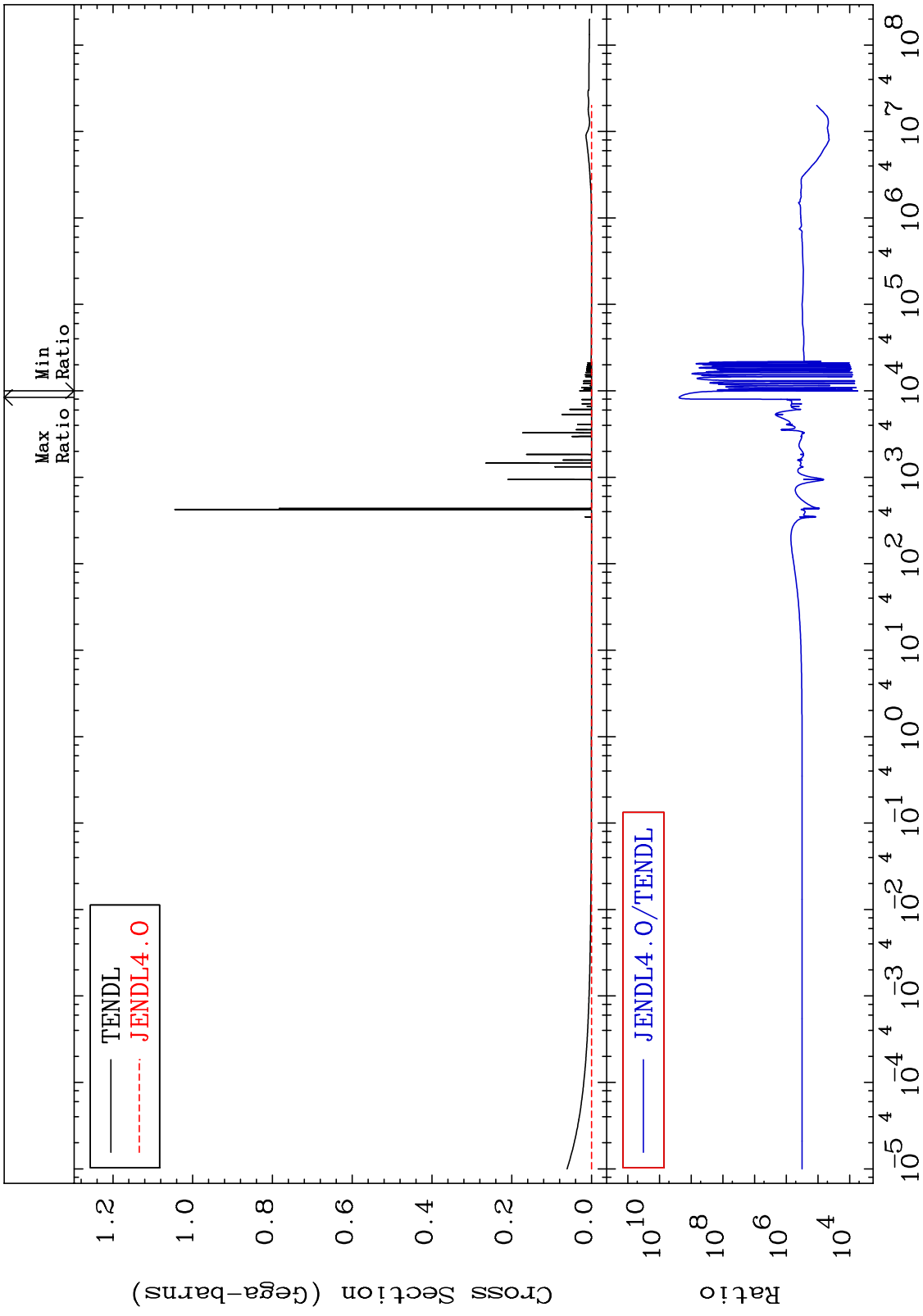
MAT 5249

Kerma capture (mt102)
Cross Section

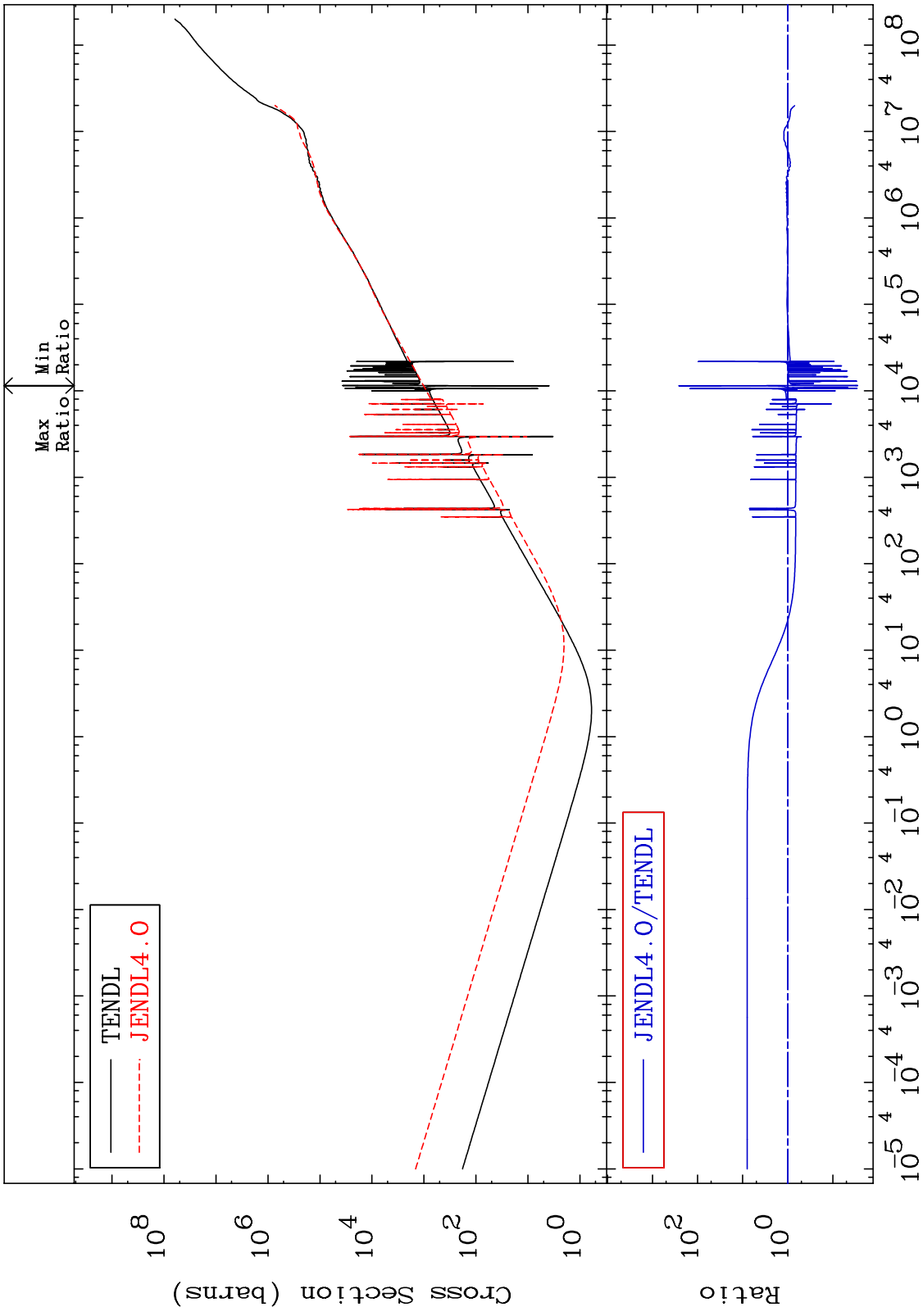
52-Te-128
9999. To 9999. %



MAT 5249 Total photon (eV-barns) 52-Te-128
 Cross Section 9999. To 9999. %



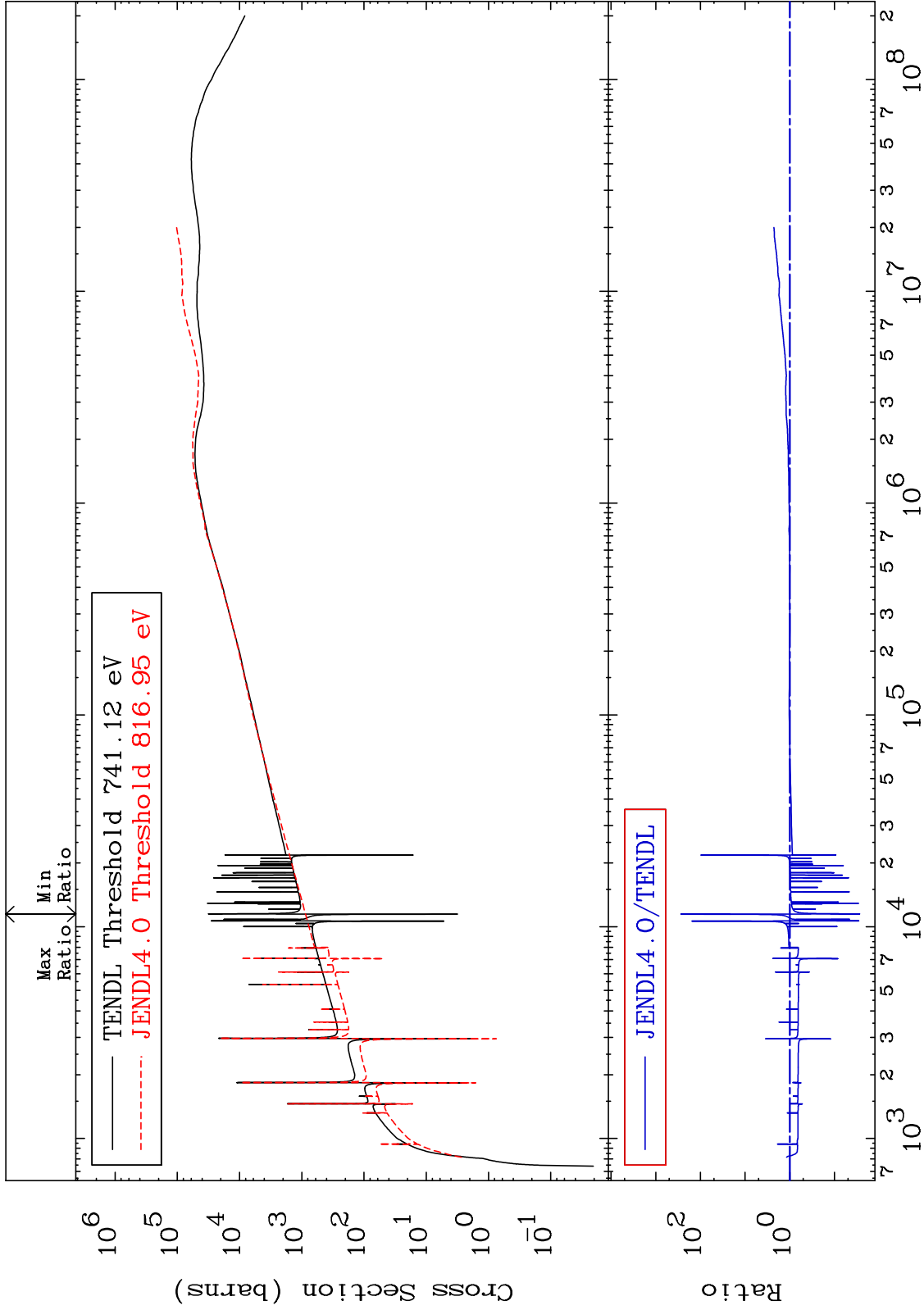
MAT 5249 Total kinematic kerma (high limit) 52-Te-128
 Cross Section -97.21 To 9999. %



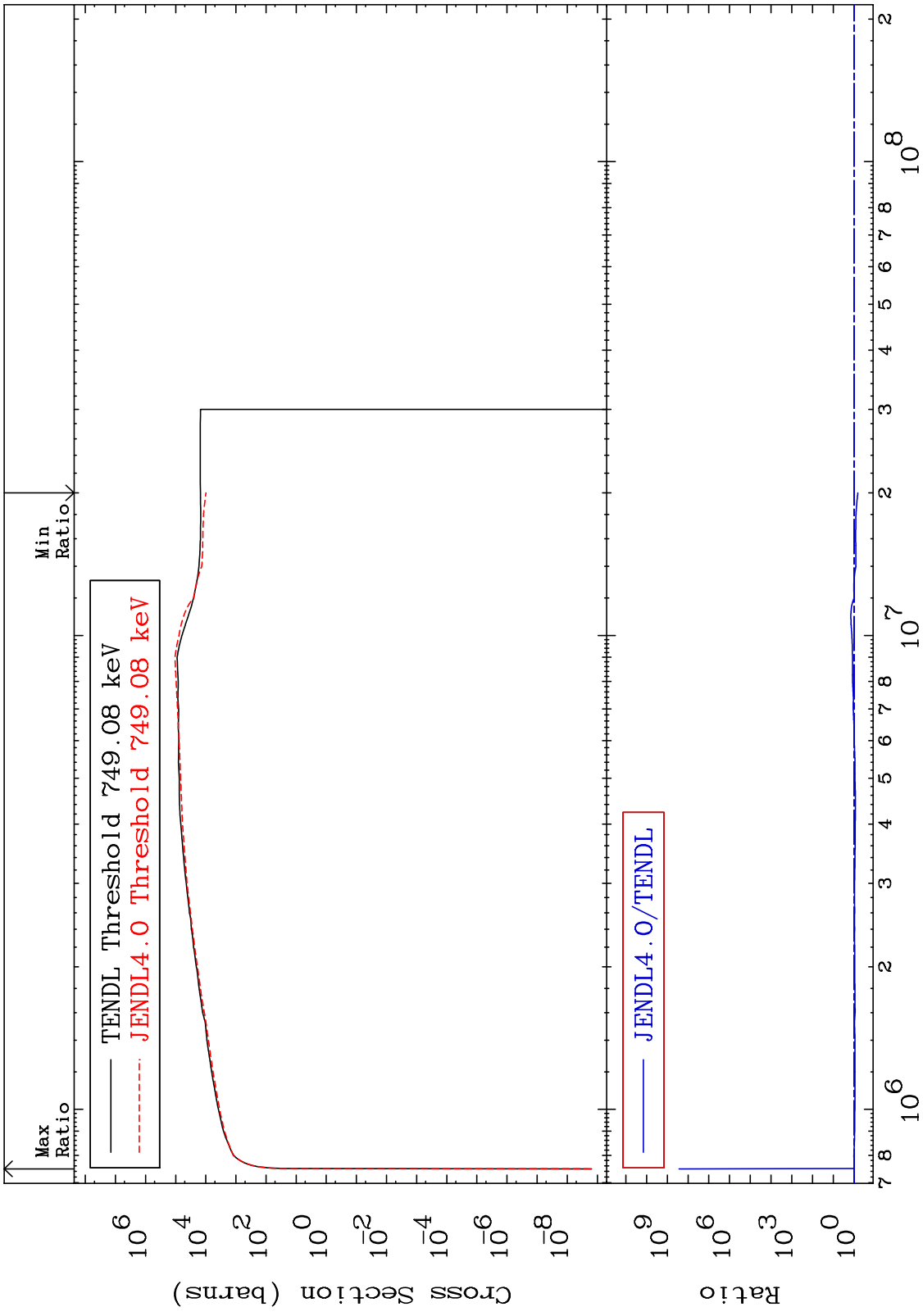
MAT 5249

Dpa elastic (mt2)
Cross Section

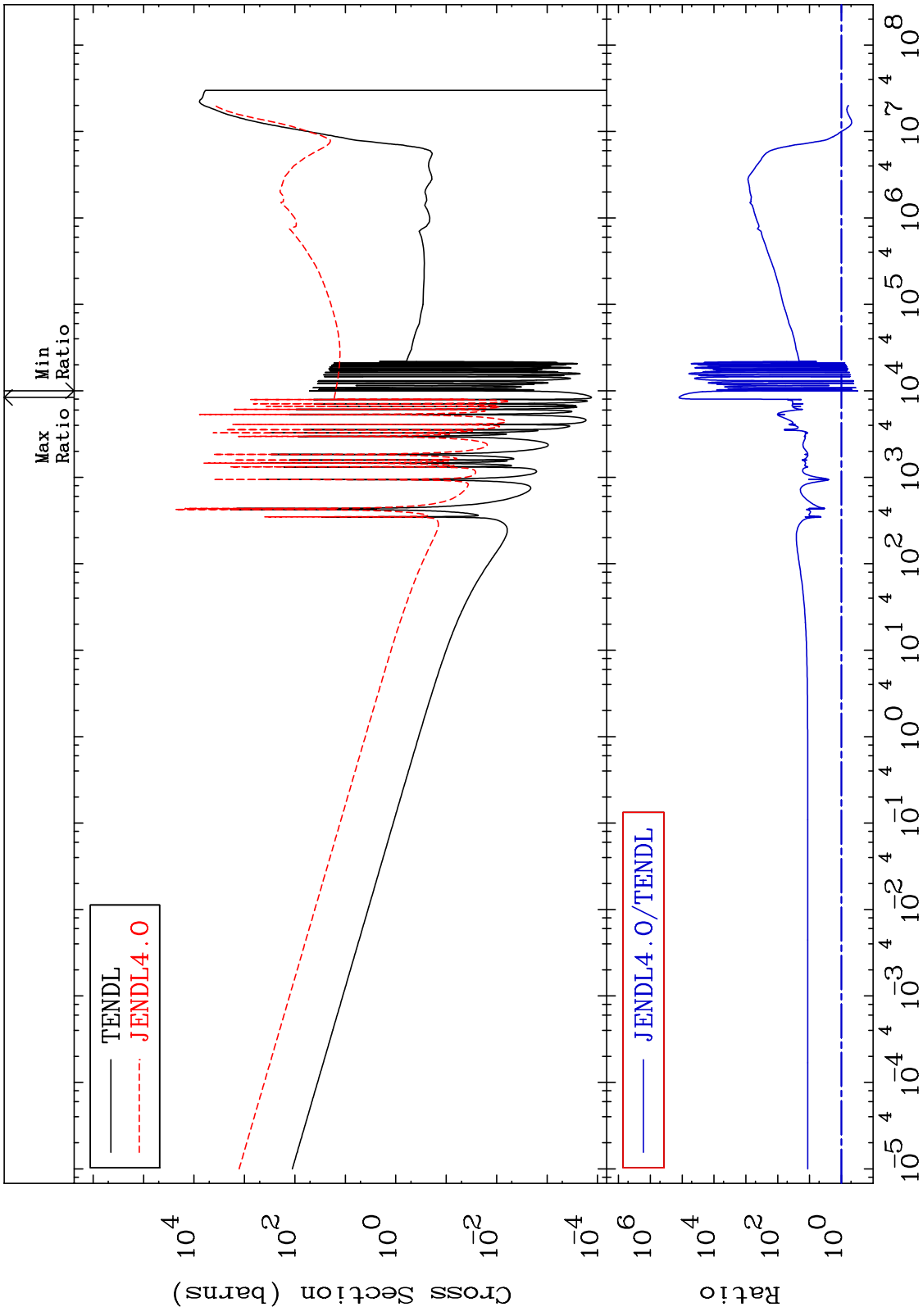
52-Te-128
-97.26 To 9999. %



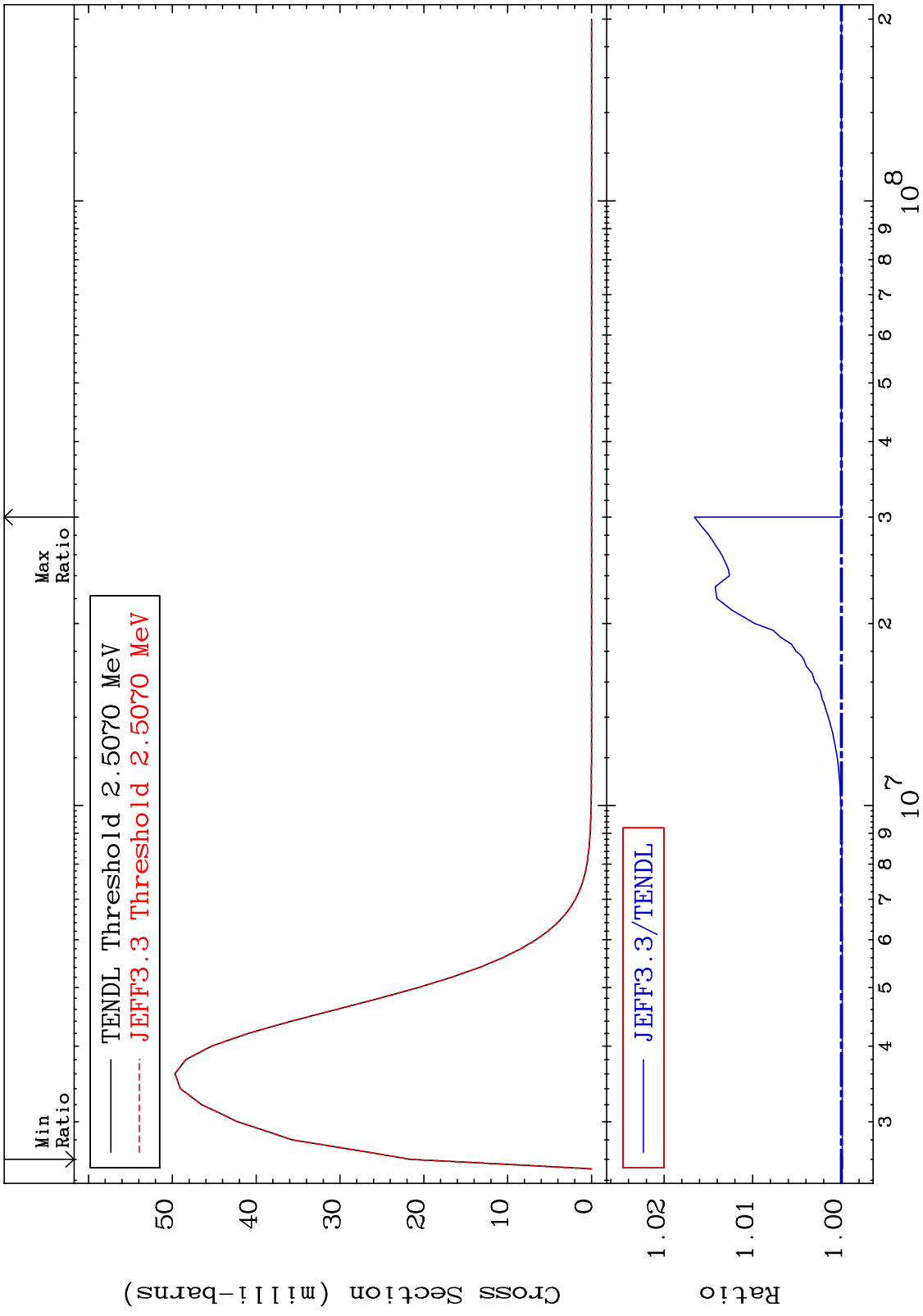
MAT 5249 Dpa inelastic (mt51-91) 52-Te-128
 Cross Section -34.70 To 9999. %



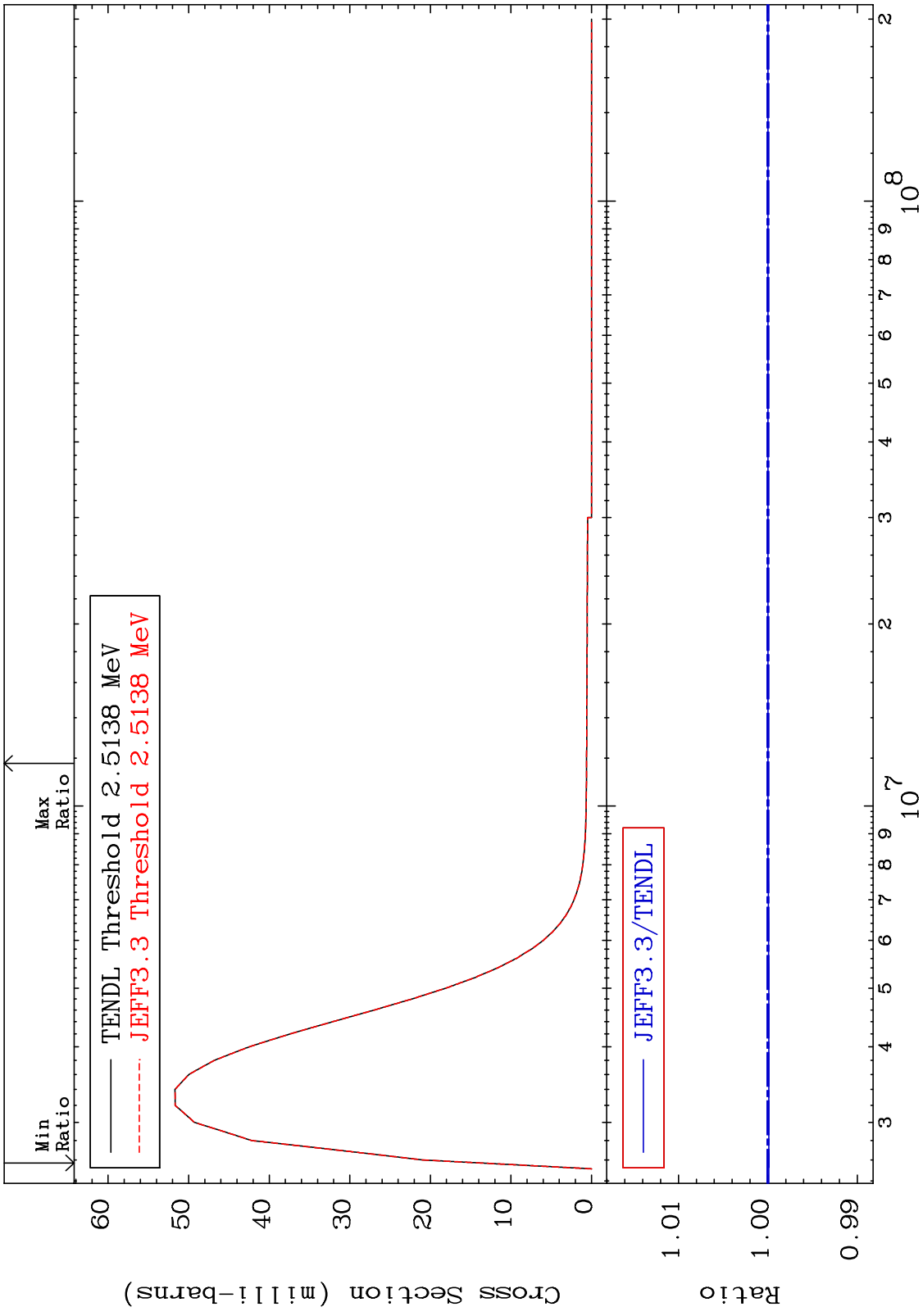
MAT 5249 Dpa disappearance (mt102 -120) 52-Te-128
 Cross Section -69.66 To 9999. %



MAT 5249 MT= 72 (n,n') Level Cross Section 52-Te-128
 -0.012 To 1.657 %

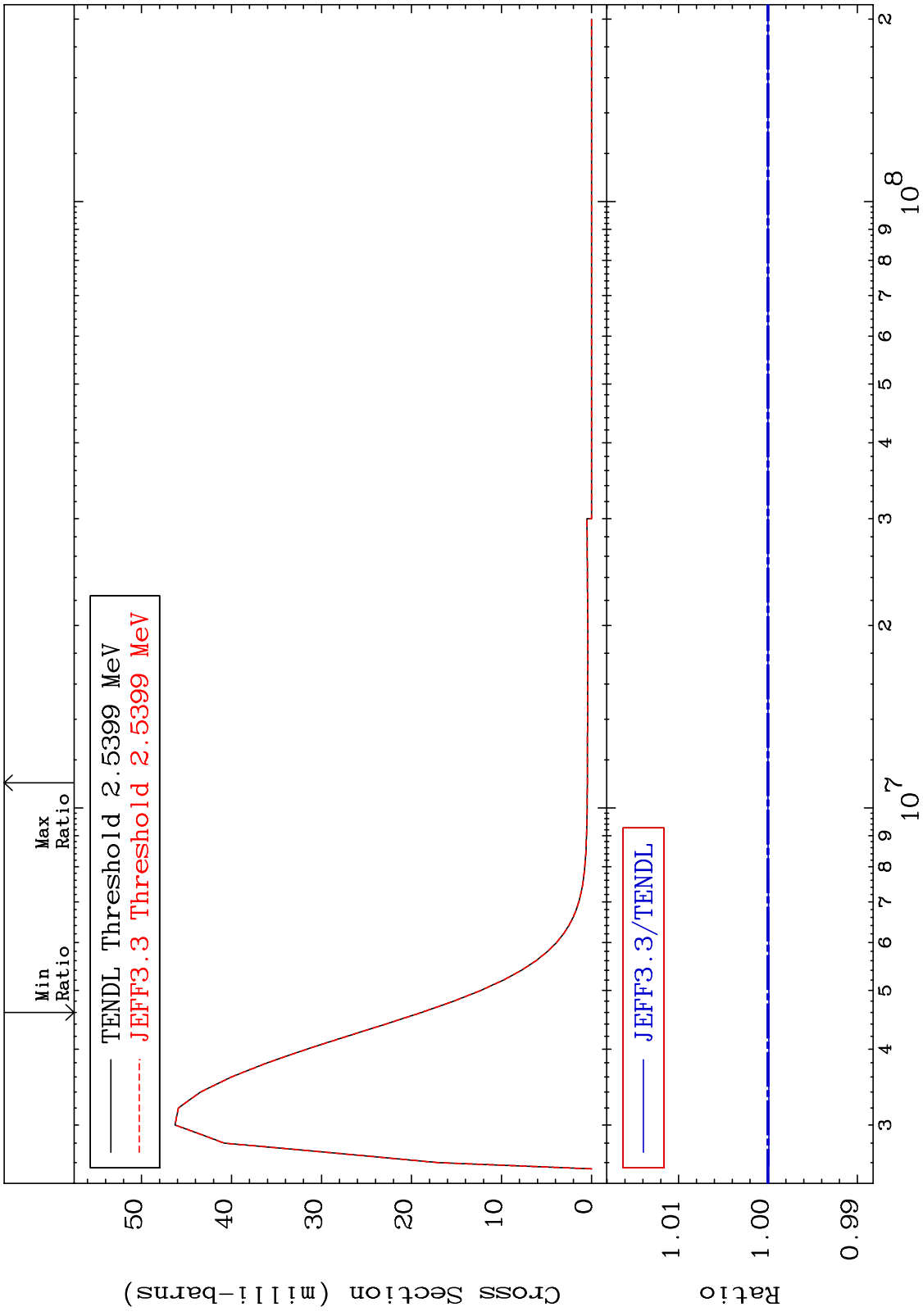


MAT 5249 MT= 73 (n,n') Level Cross Section 52-Te-128
-0.012 To 0.000 %

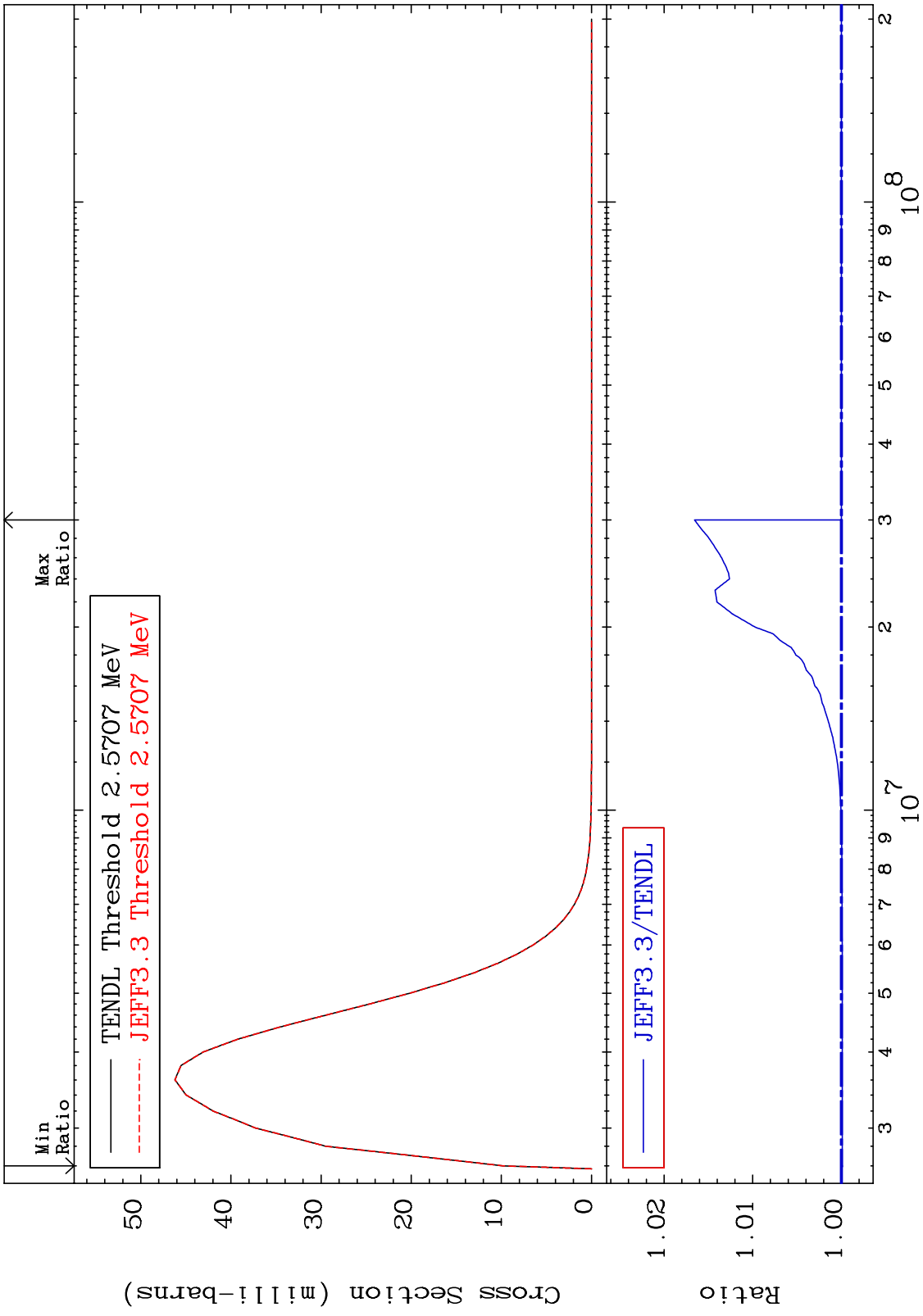


40 Incident Energy (eV) 52-Te-128

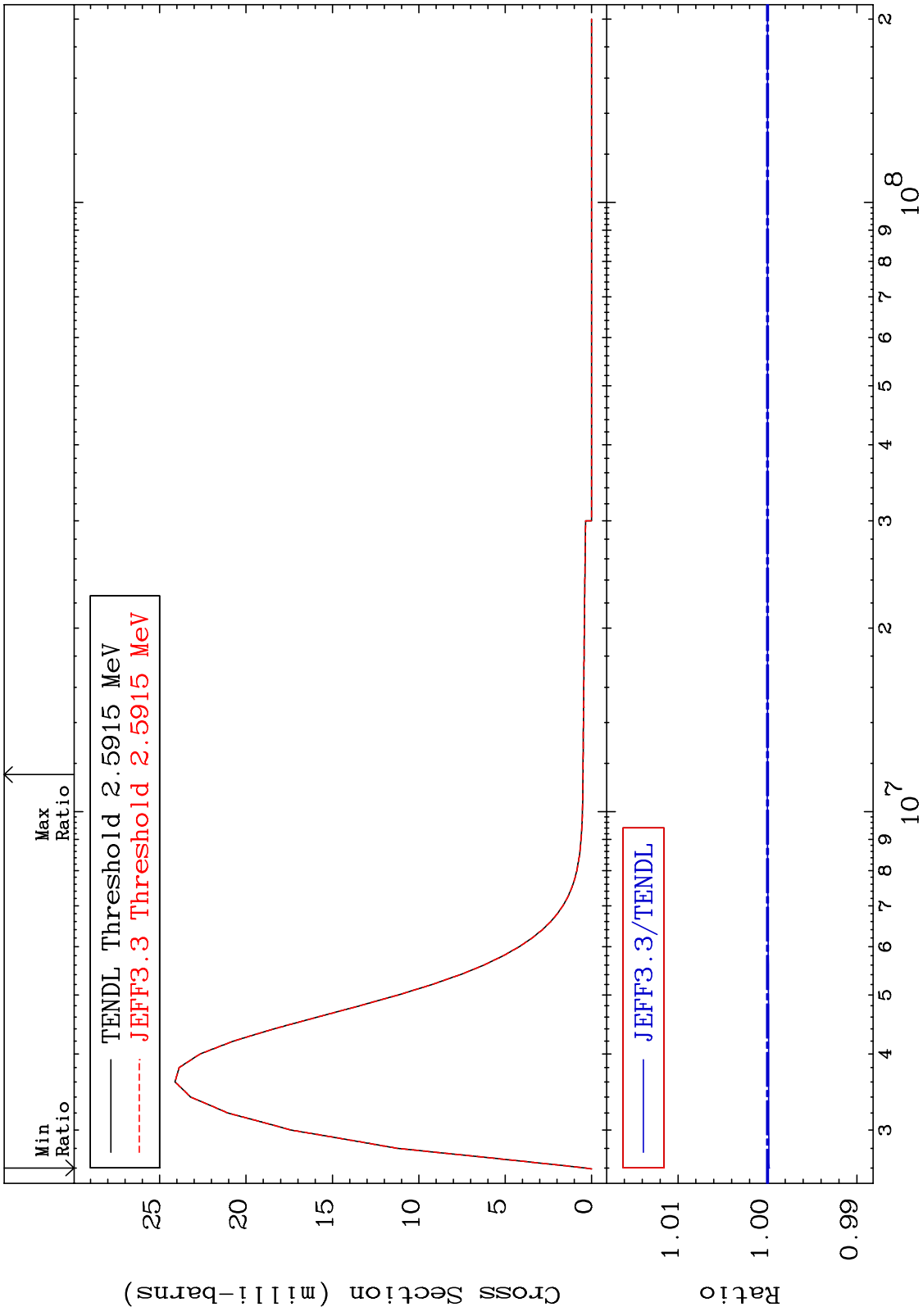
MAT 5249 MT= 75 (n,n') Level Cross Section 52-Te-128
 -0.010 To 0.000 %



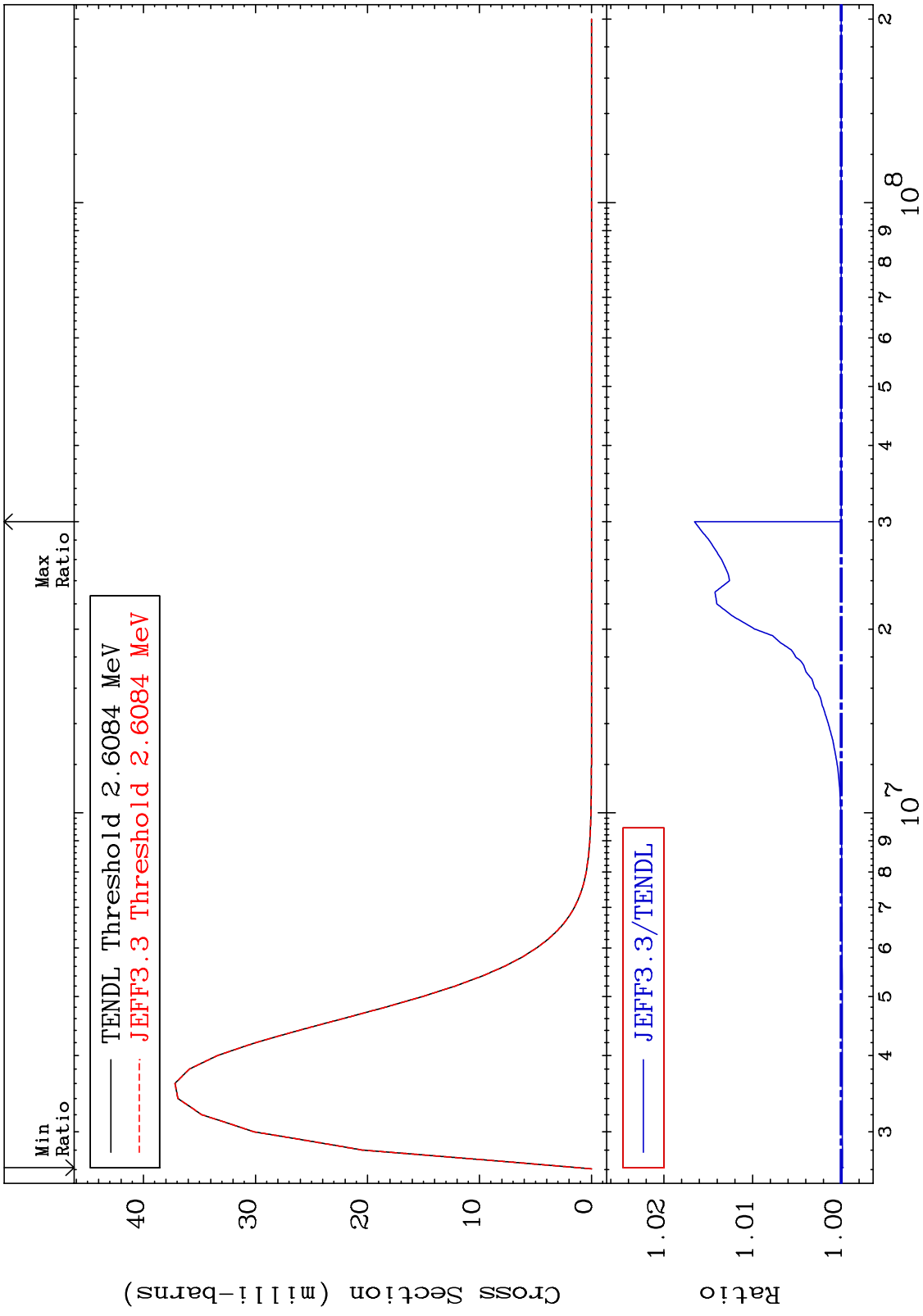
MAT 5249 MT= 76 (n,n') Level Cross Section 52-Te-128
 -0.011 To 1.657 %



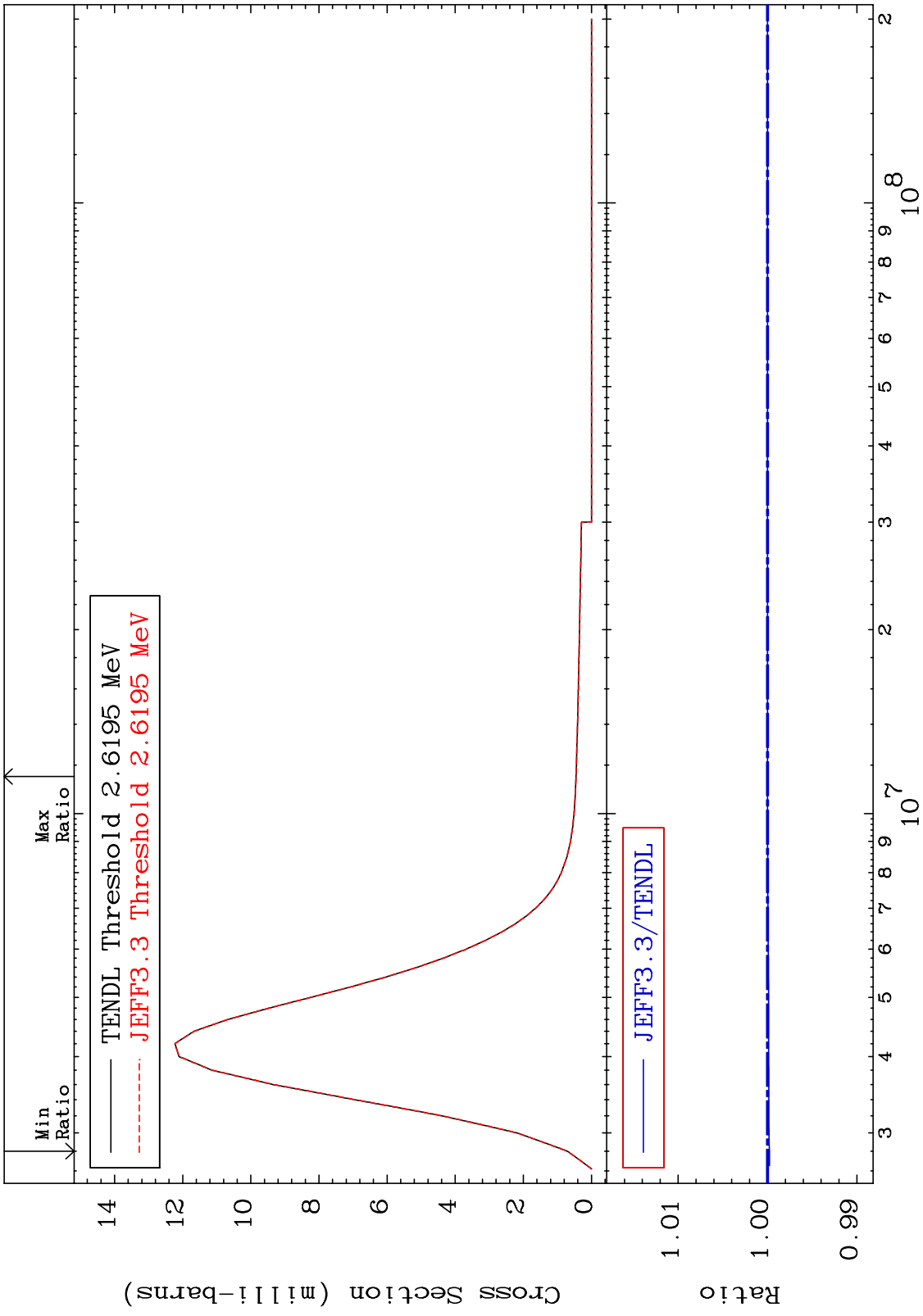
MAT 5249 MT= 77 (n,n') Level Cross Section 52-Te-128
 -0.023 To 0.000 %



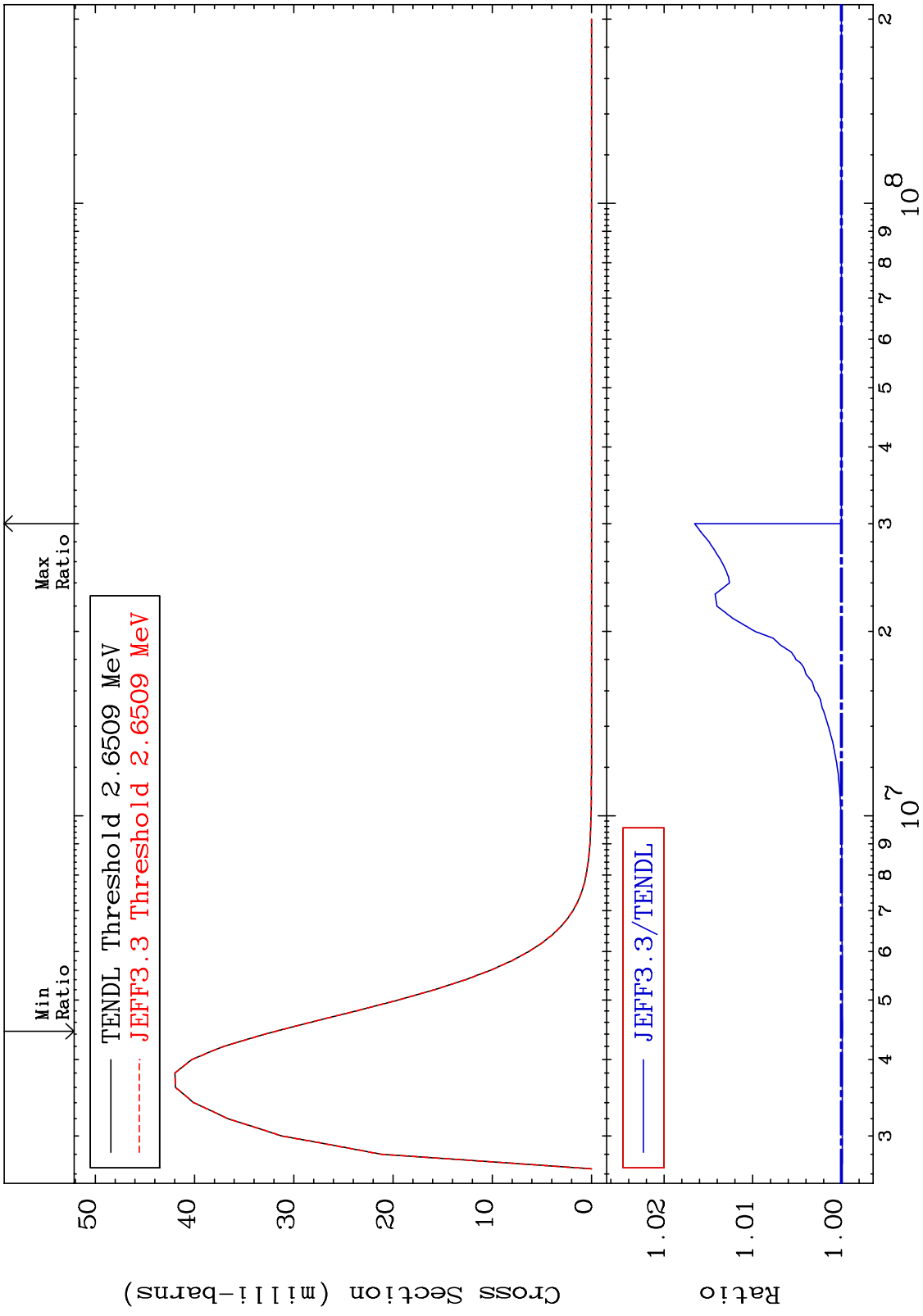
MAT 5249 MT= 78 (n,n') Level Cross Section 52-Te-128
 -0.013 To 1.656 %



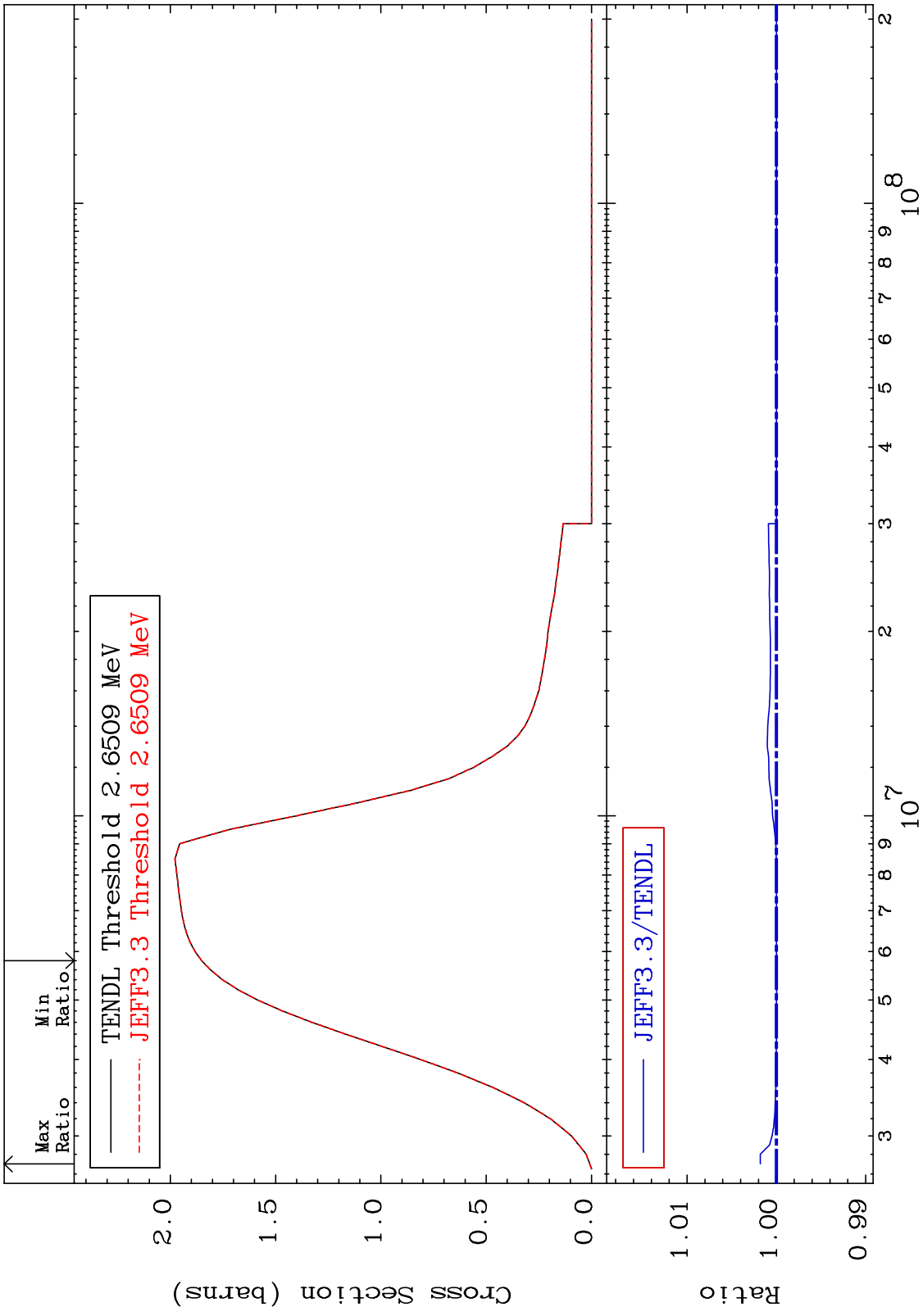
MAT 5249 MT= 79 (n,n') Level Cross Section 52-Te-128 -0.021 To 0.000 %



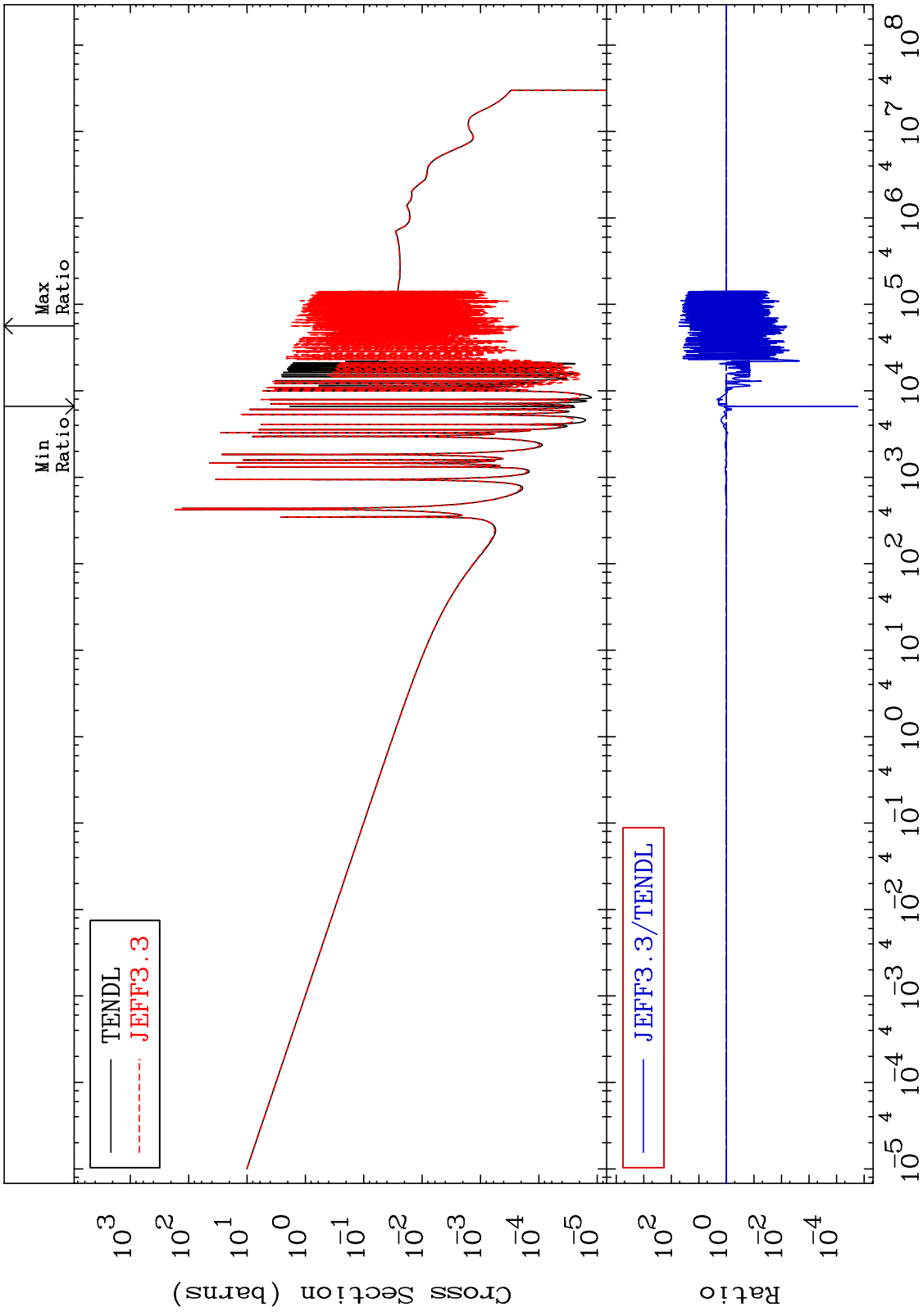
MAT 5249 MT= 80 (n, n') Level Cross Section 52-Te-128
 -0.011 To 1.657 %



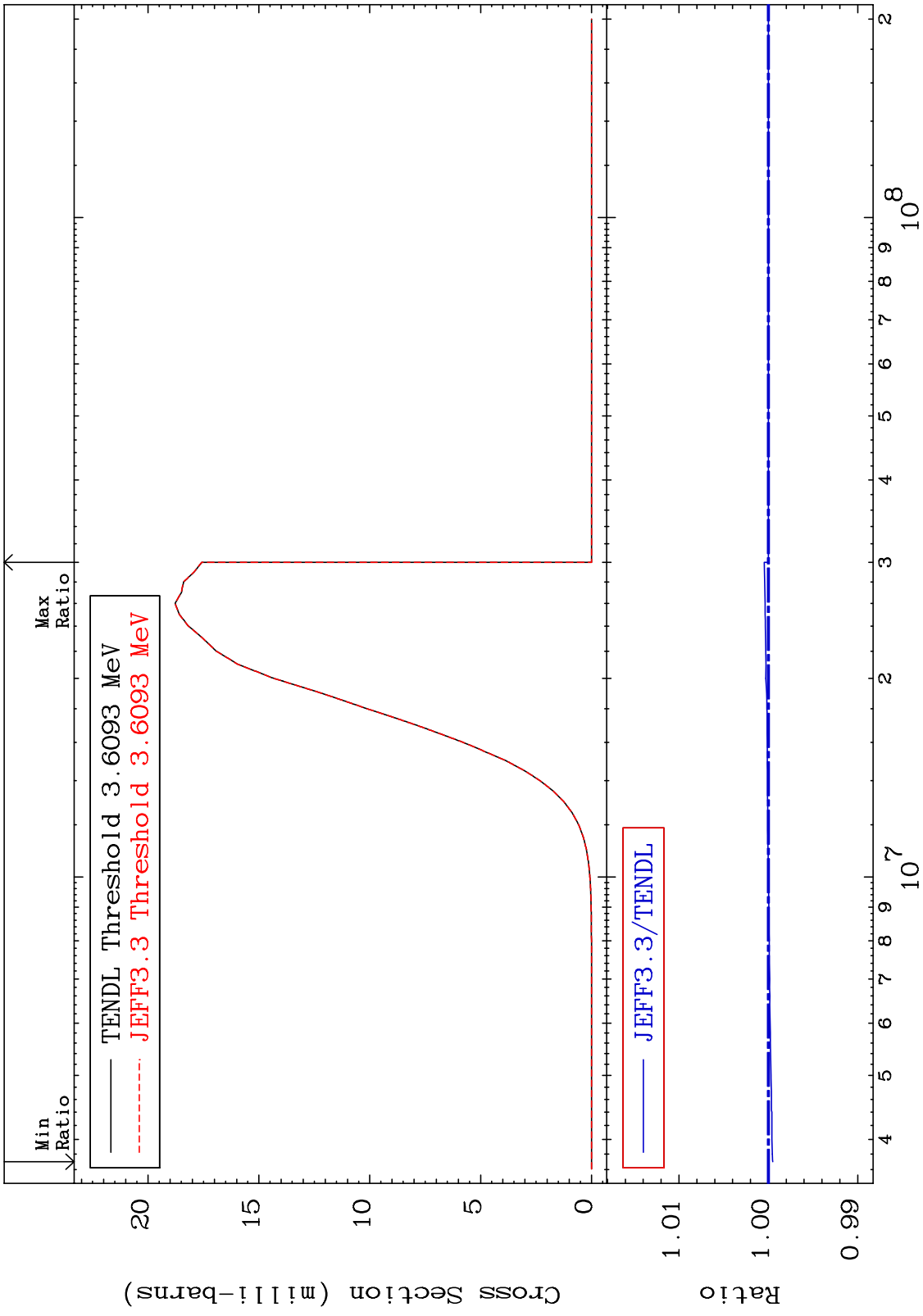
MAT 5249 (n, n') Continuum Cross Section 52-Te-128 -0.002 To 0.180 %



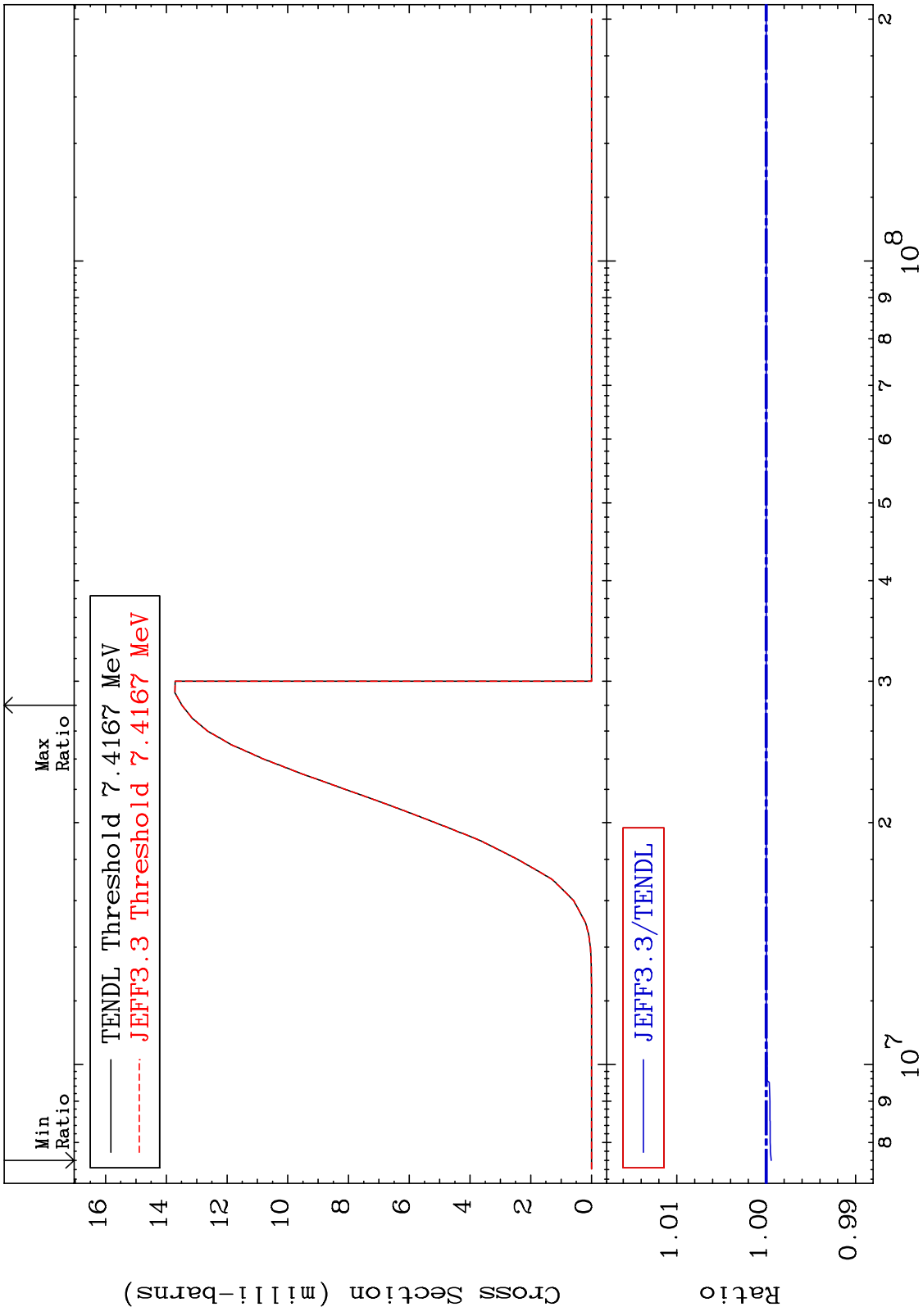
MAT 5249 (n, γ) Cross Section 52-Te-128 -100.0 To 5169. %



MAT 5249 (n,p) Cross Section 52-Te-128
 -0.048 To 0.047 %

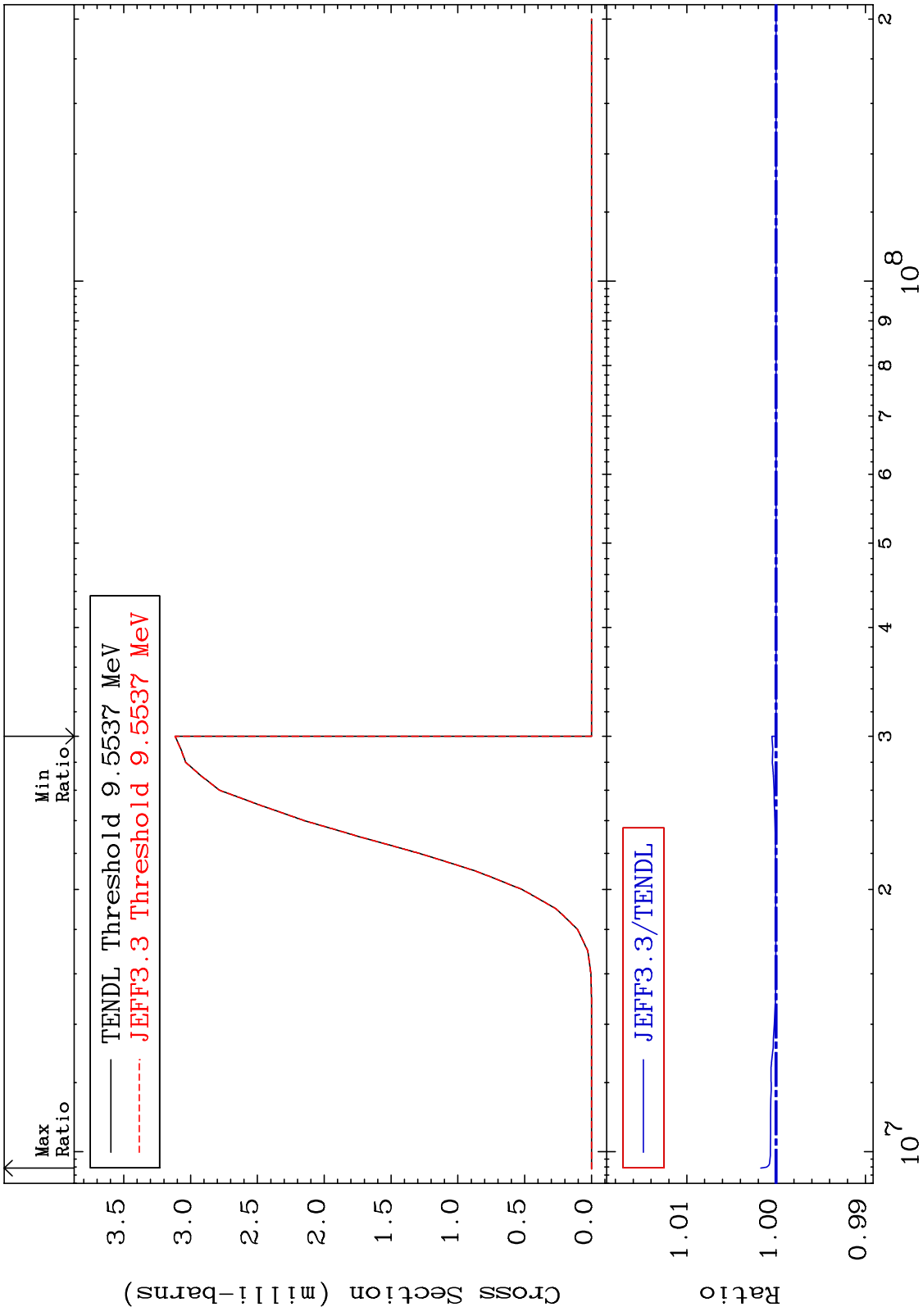


MAT 5249 (n,d) 52-Te-128
Cross Section -0.055 To 0.006 %

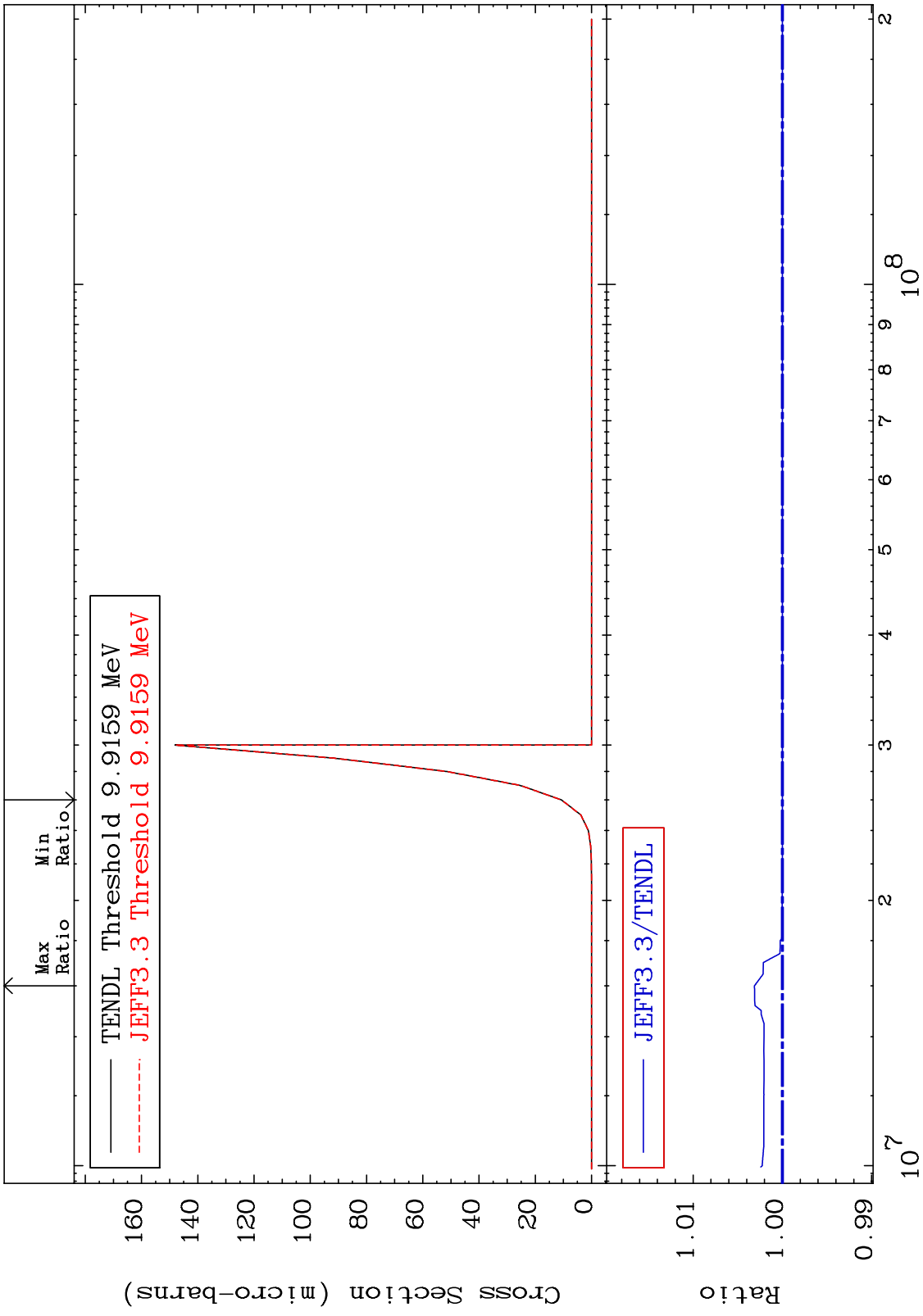


50 52-Te-128 Incident Energy (eV)

MAT 5249 (n,t) Cross Section 52-Te-128 To 0.172 %



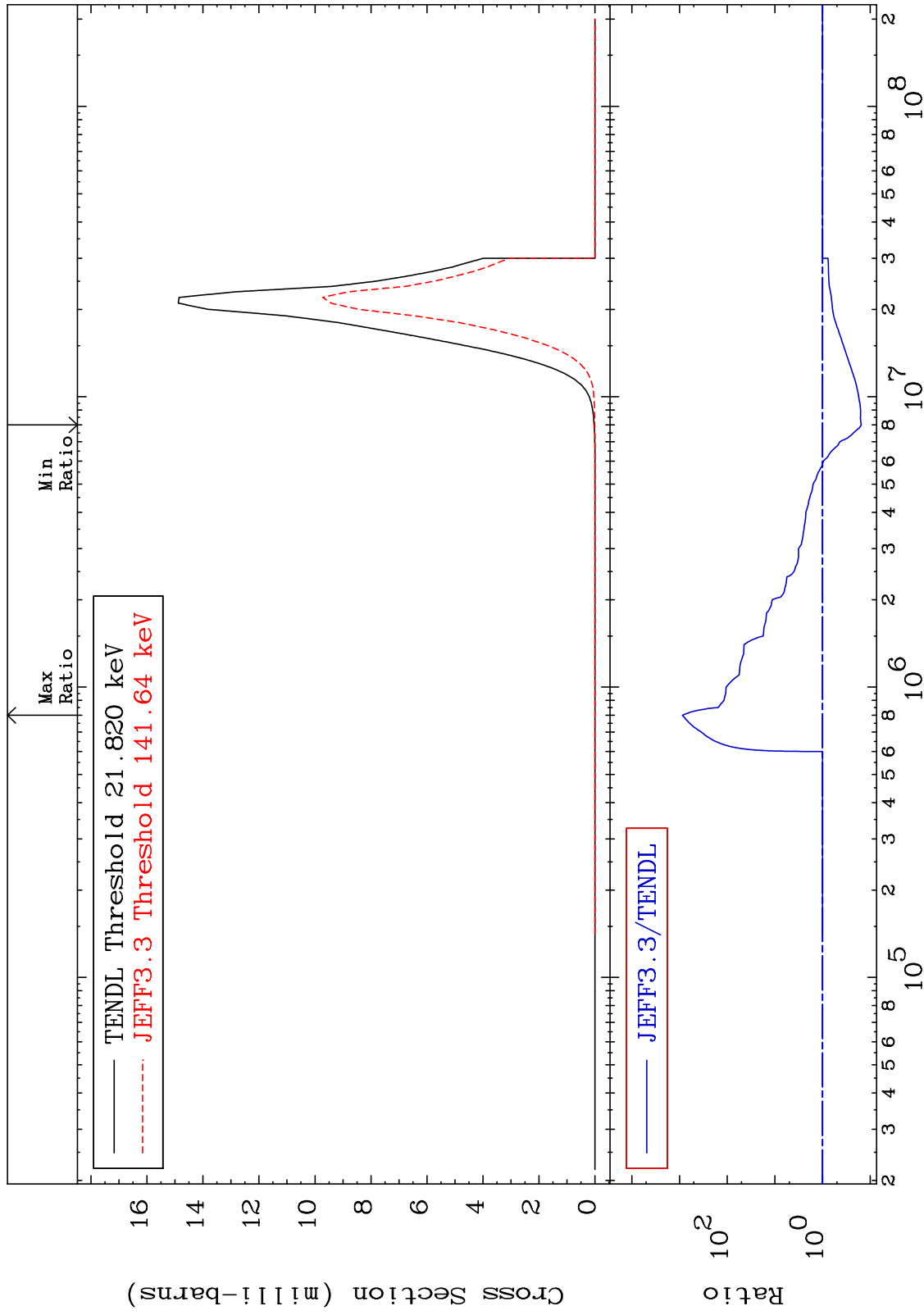
MAT 5249 (n, He-3) Cross Section 52-Te-128 To 0.313 %

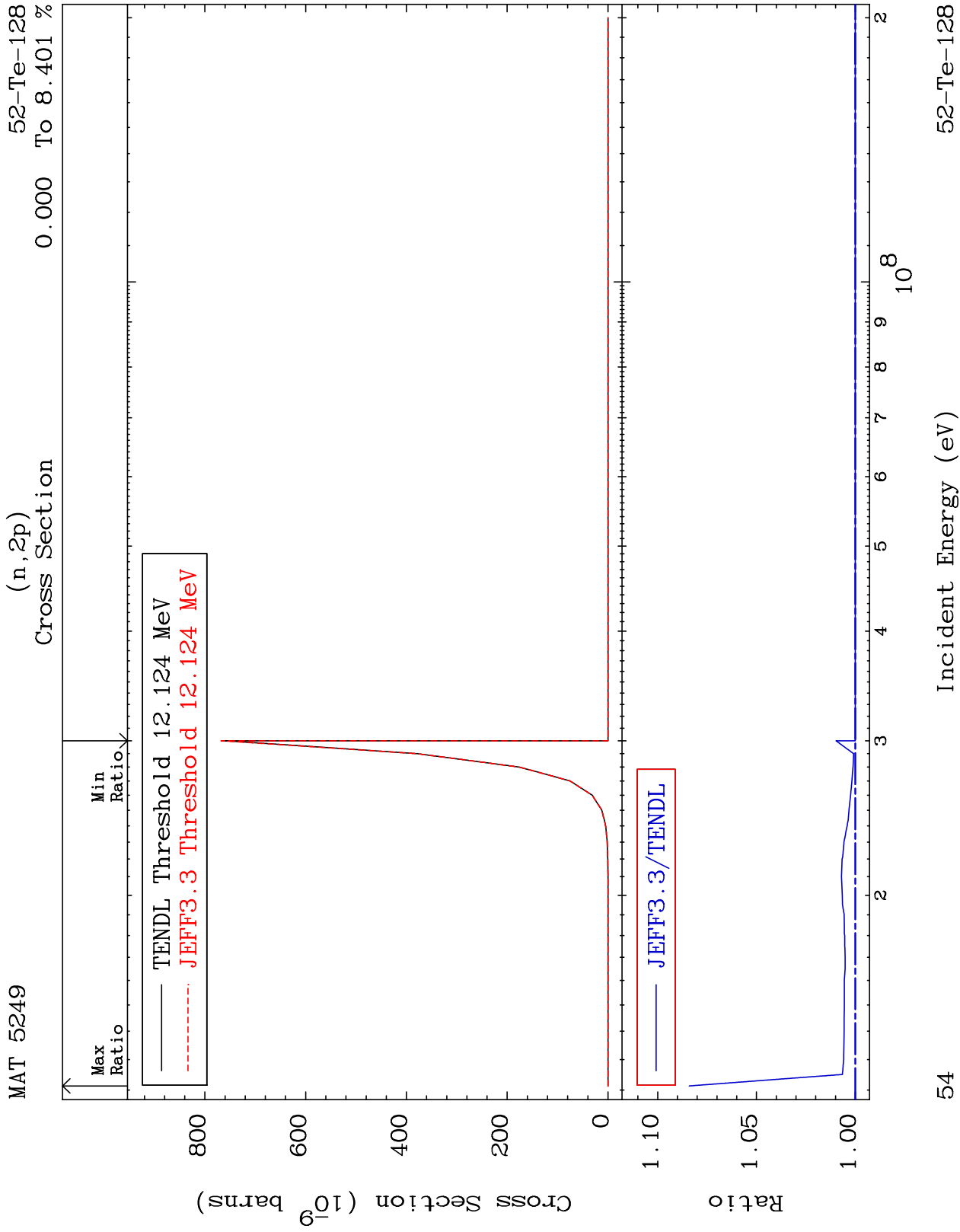


52 Incident Energy (eV) 52-Te-128

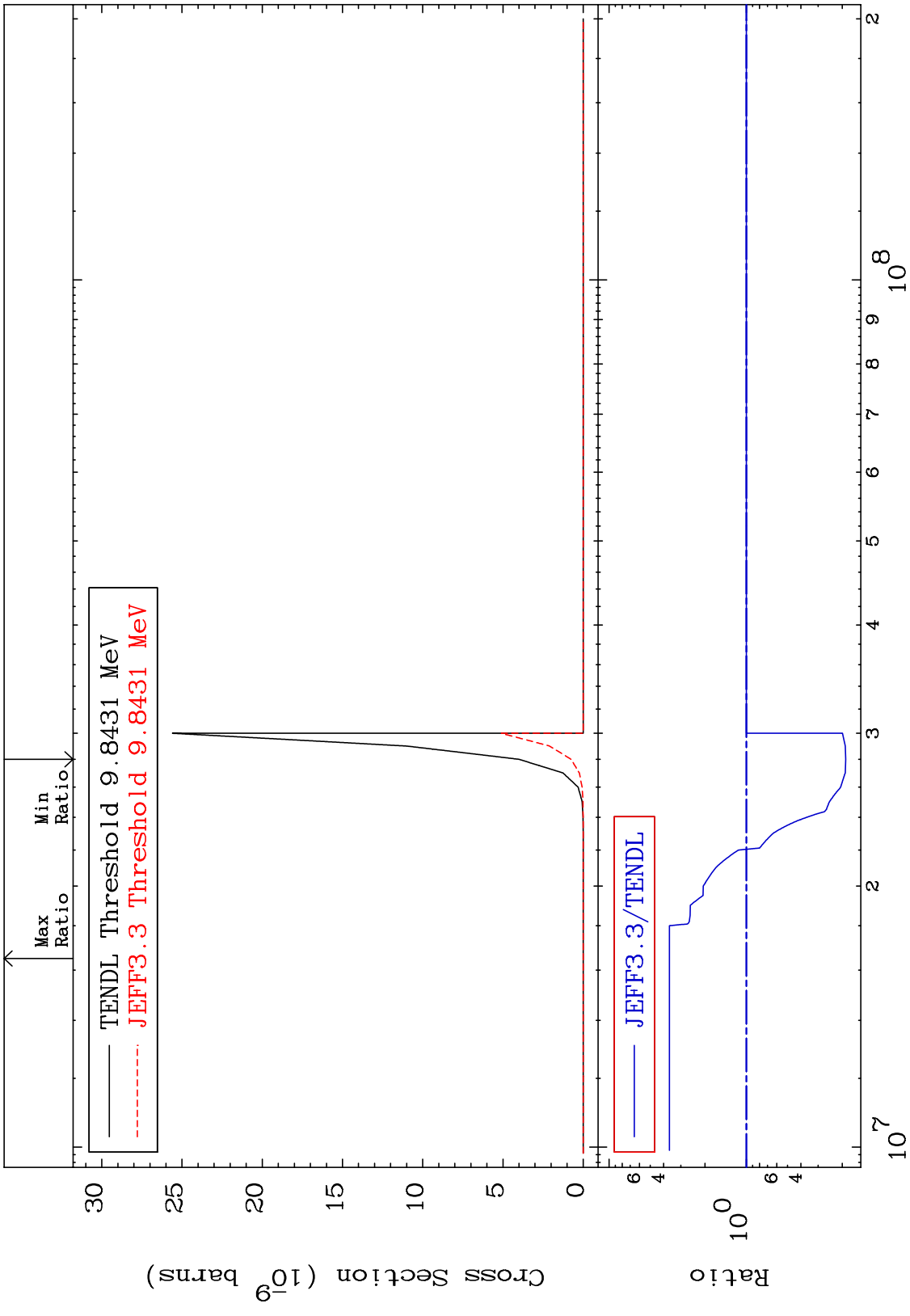
MAT 5249

(n, α) Cross Section
52-Te-128
-84.61 To 9999. %



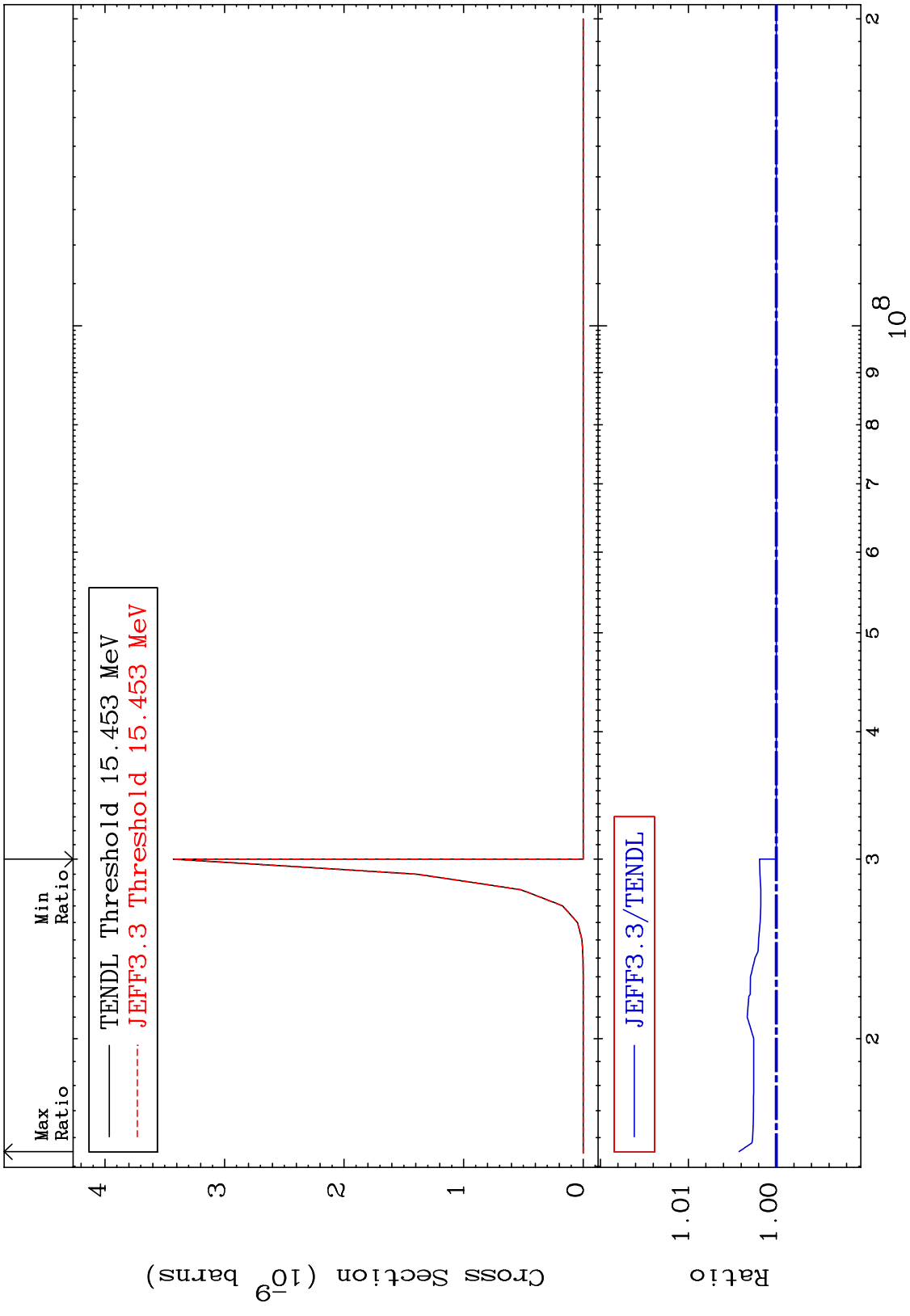


MAT 5249 (n,p) α 52-Te-128
 Cross Section -81.14 To 262.5 %

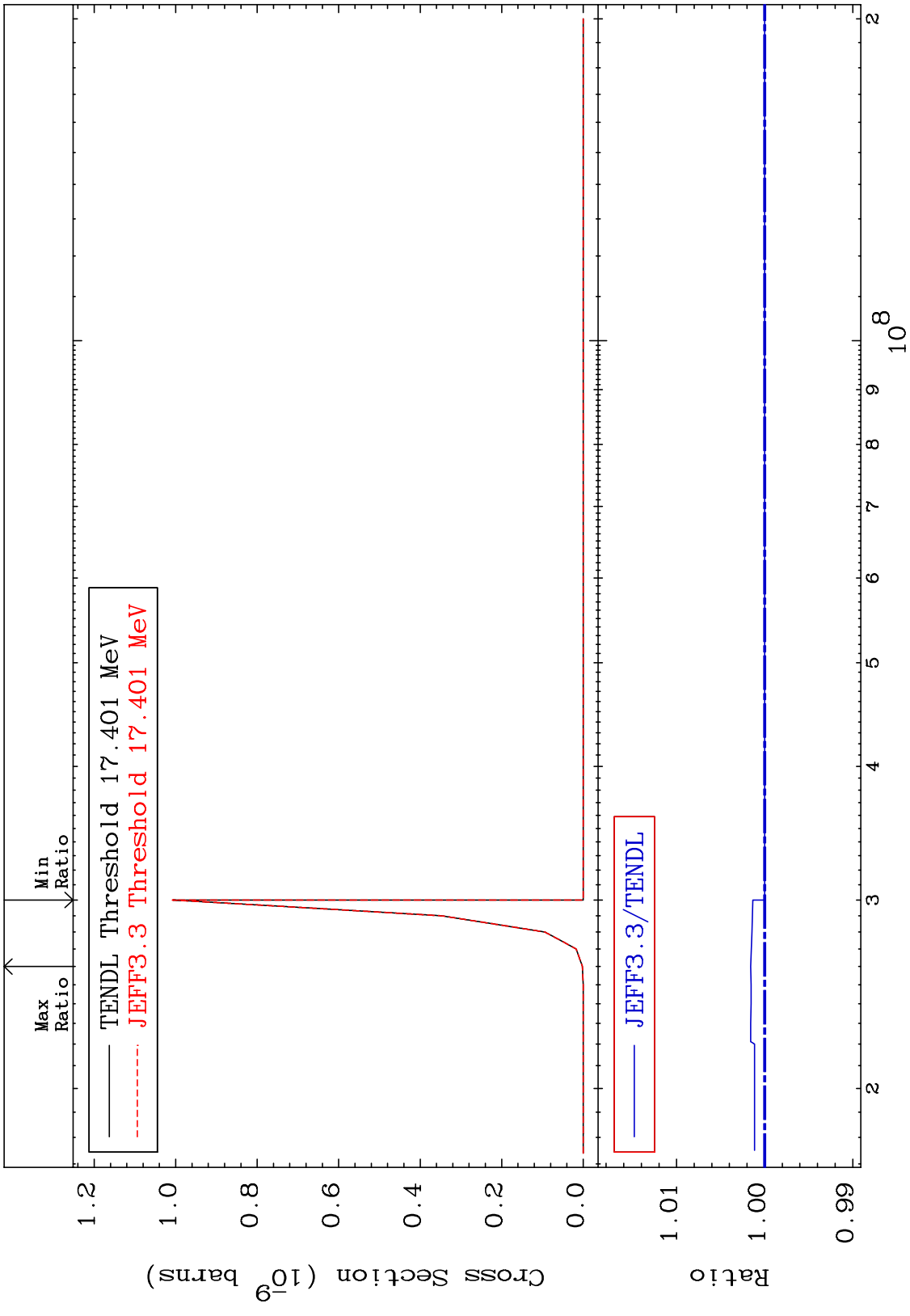


55 52-Te-128

MAT 5249 (n,p) d 52-Te-128
 Cross Section 0.000 To 0.425 %



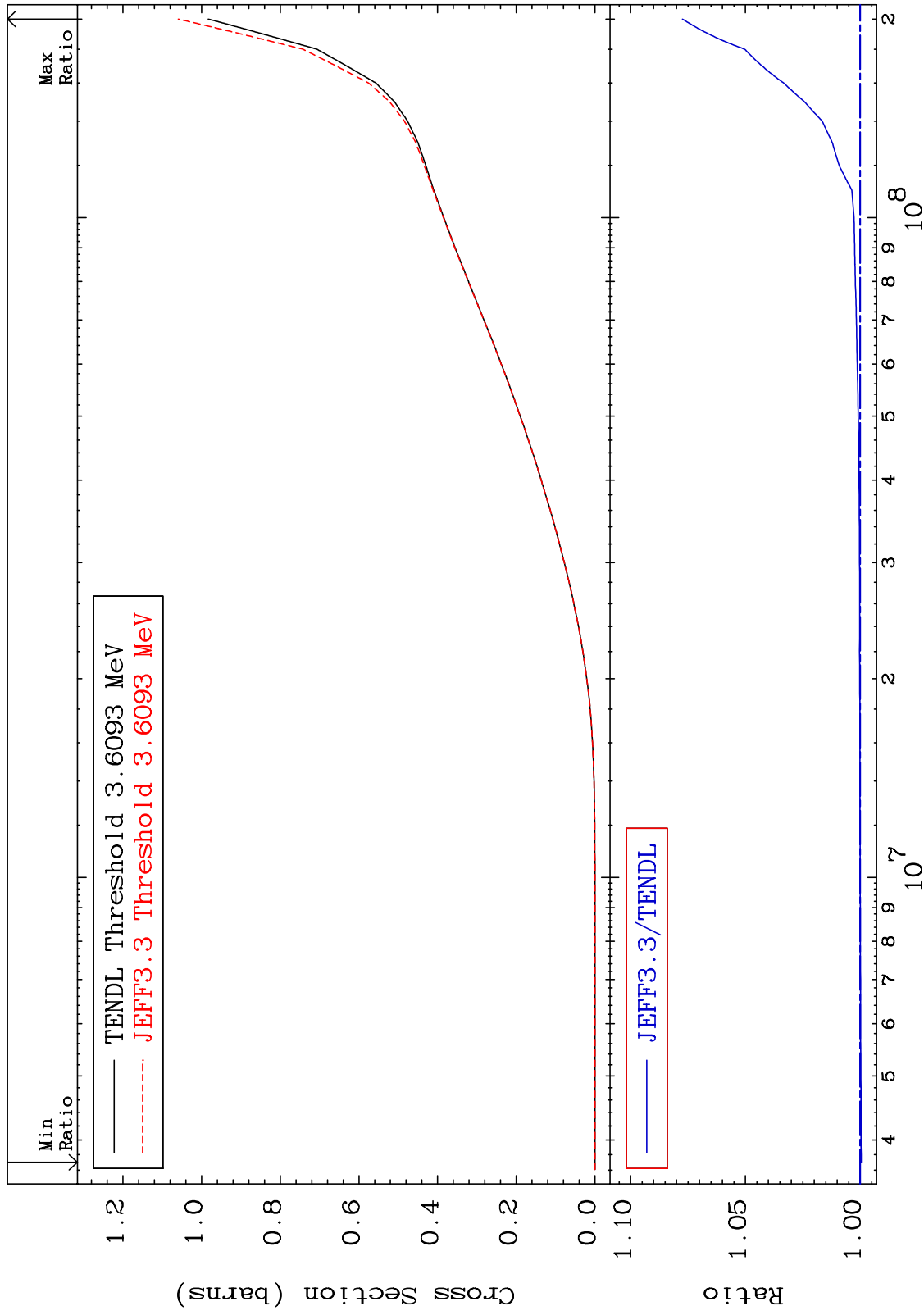
MAT 5249 (n,p) t 52-Te-128
 Cross Section 0.000 To 0.160 %



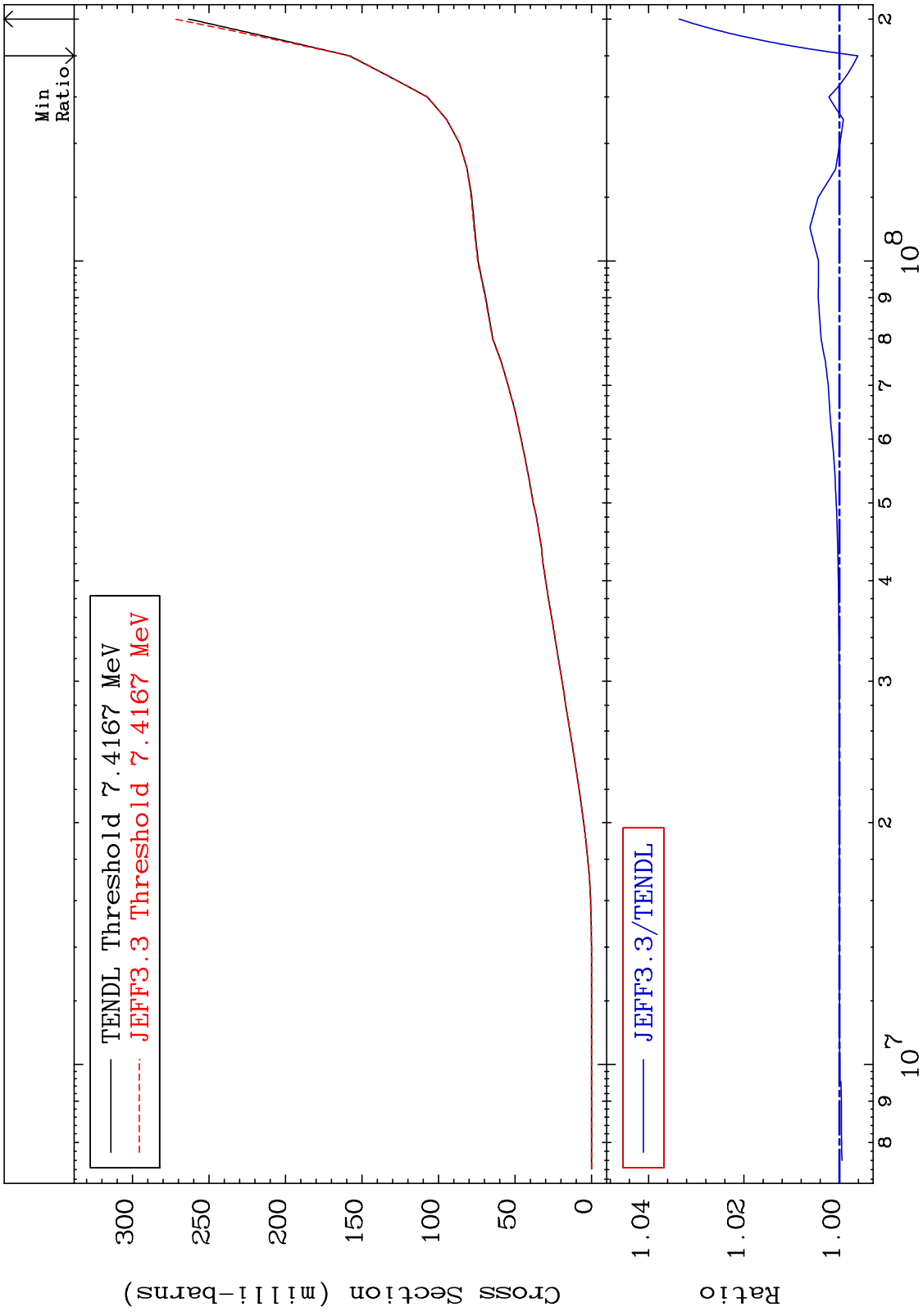
MAT 5249

Hydrogen Production
Cross Section

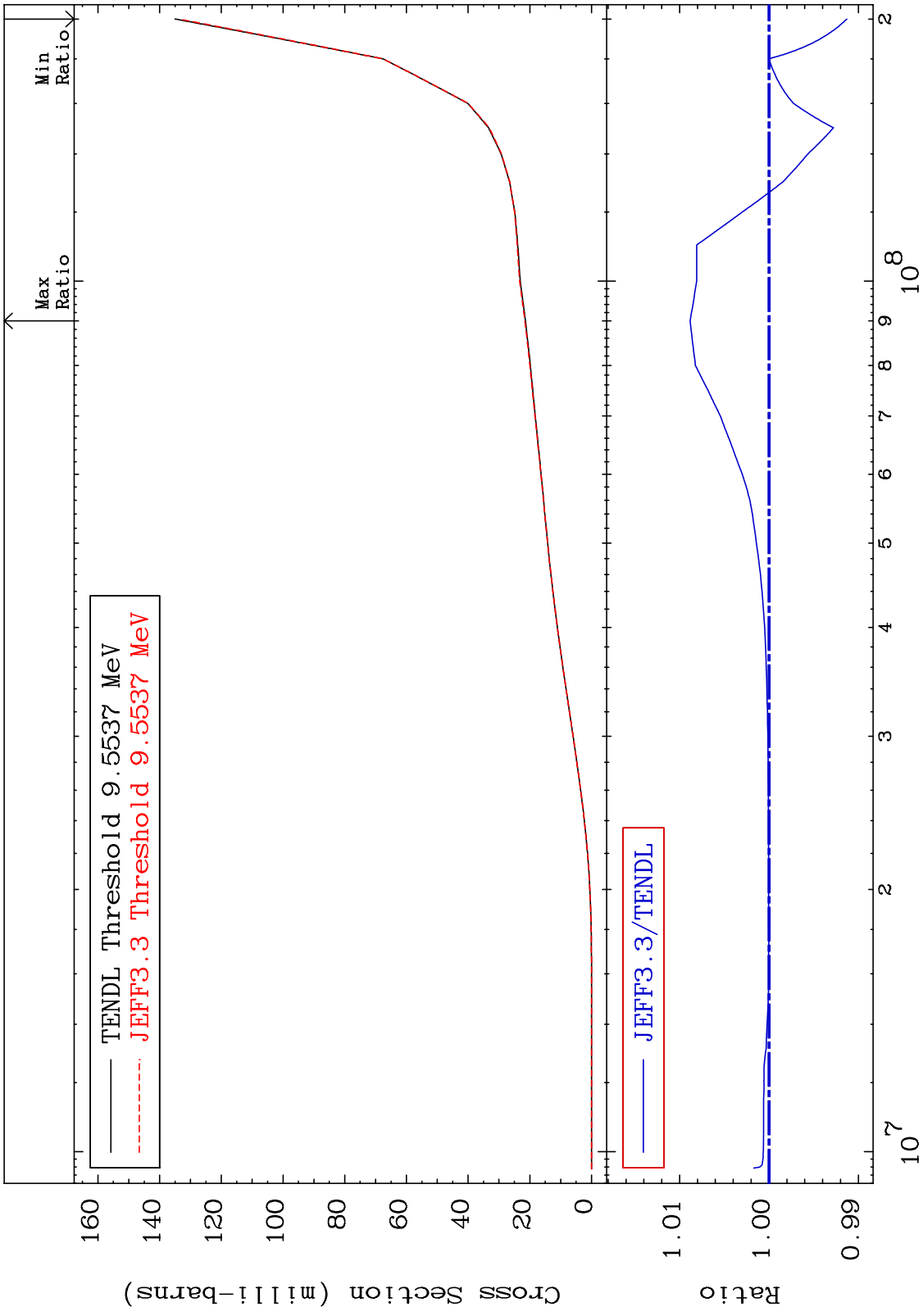
52-Te-128
-0.048 To 7.741 %



MAT 5249 Deuterium Production Cross Section 52-Te-128 -0.387 To 3.360 %

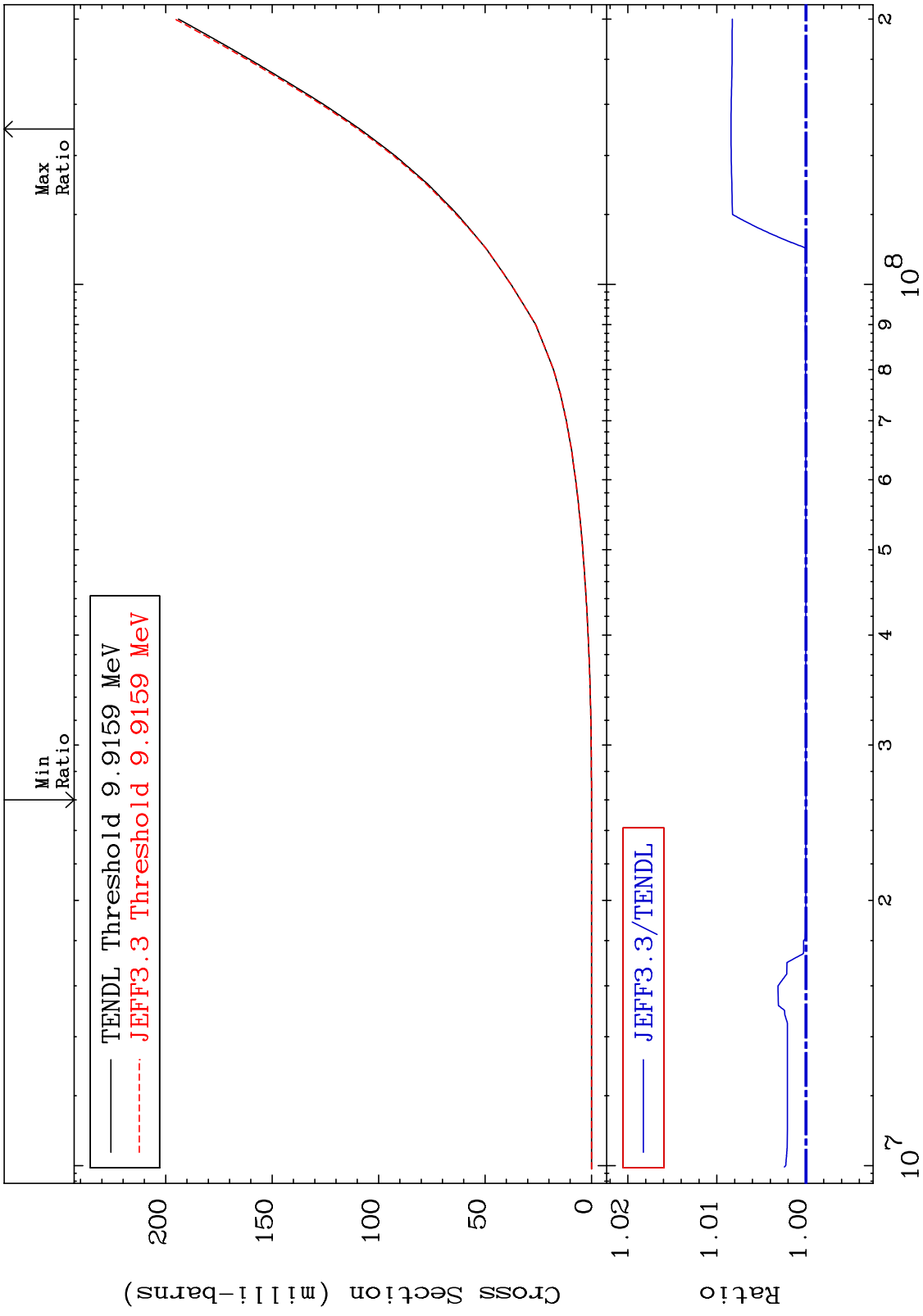


MAT 5249 Tritium Production Cross Section 52-Te-128
-0.870 To 0.882 %



Incident Energy (eV) 52-Te-128

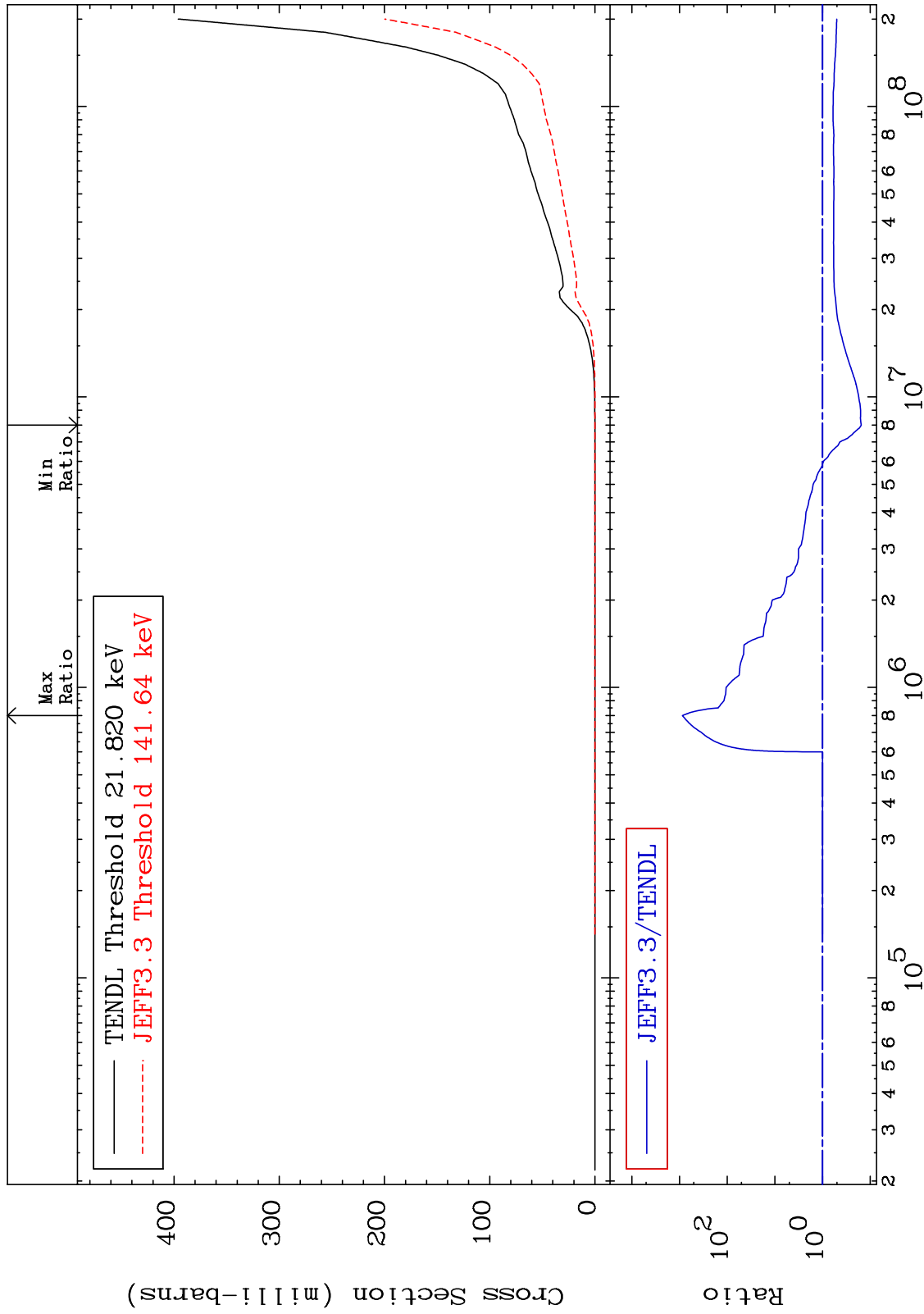
MAT 5249 He-3 Production Cross Section 52-Te-128 To 0.842 %



MAT 5249

He-4 Production
Cross Section

52-Te-128
-84.61 To 9999. %

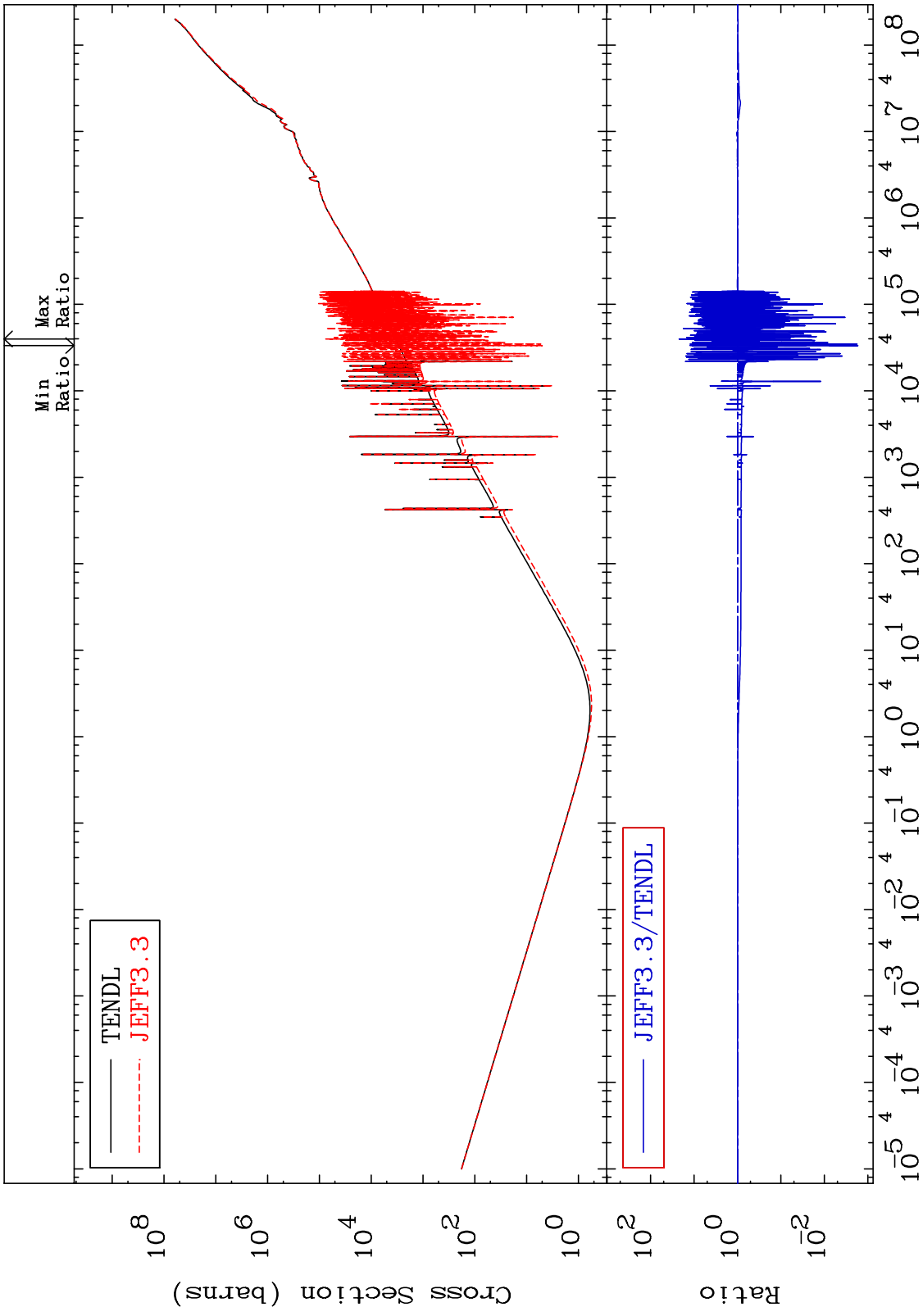


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Incident Energy (eV)

52-Te-128

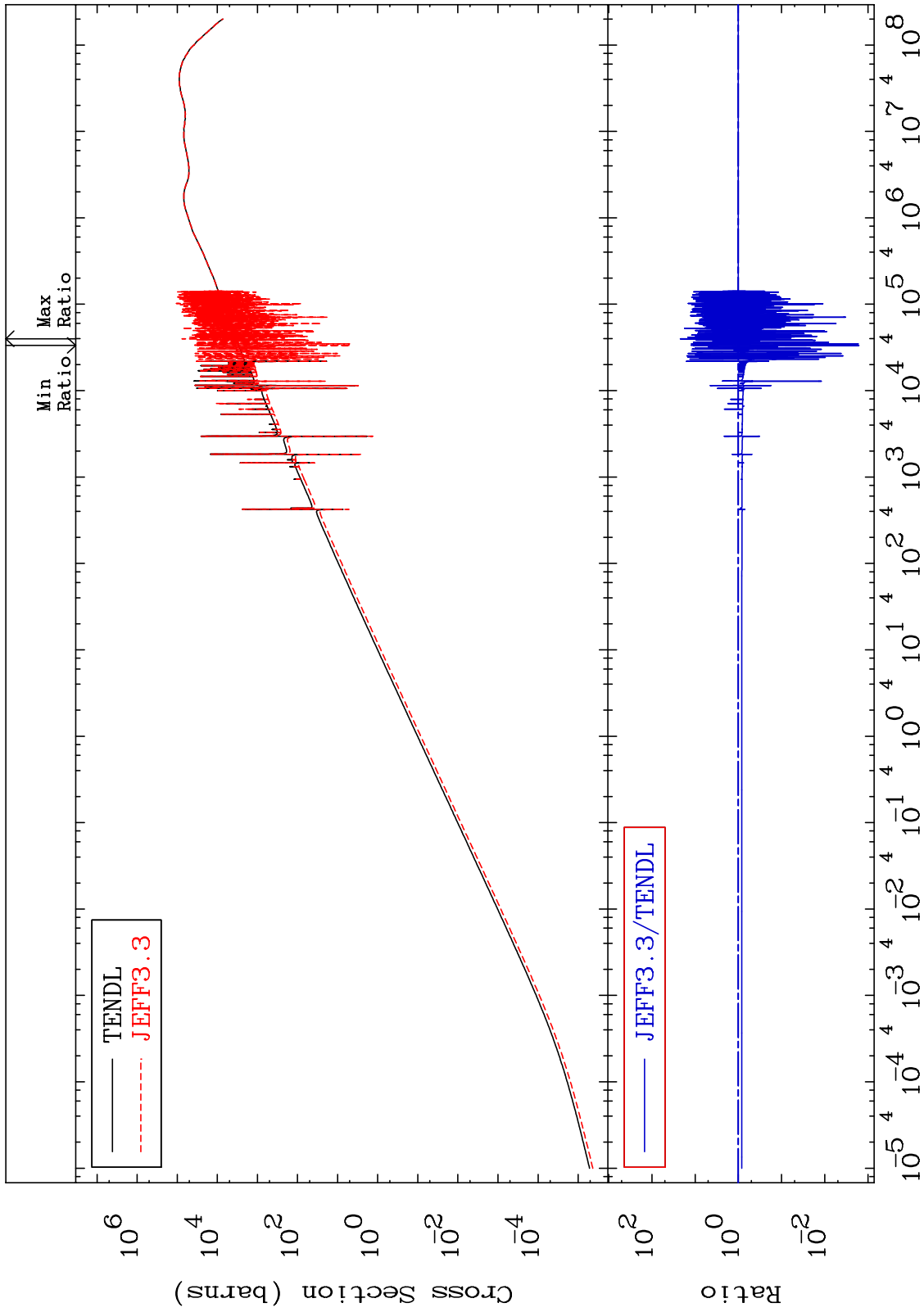
MAT 5249 Kerma total (eV-barns) 52-Te-128
 Cross Section -99.83 To 2113. %



MAT 5249

Kerma elastic
Cross Section

52-Te-128
-99.84 To 2113. %

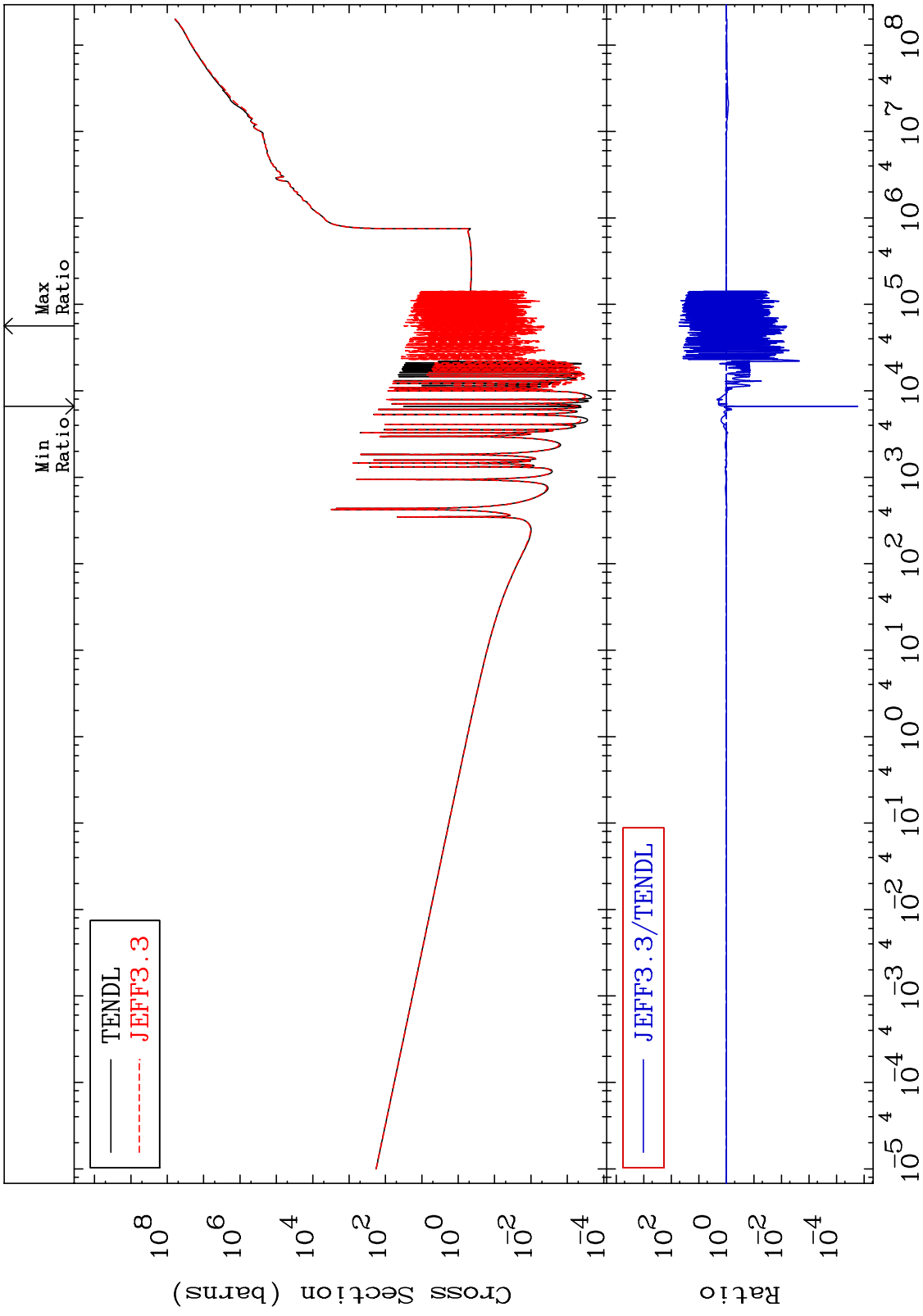


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Incident Energy (eV)

52-Te-128

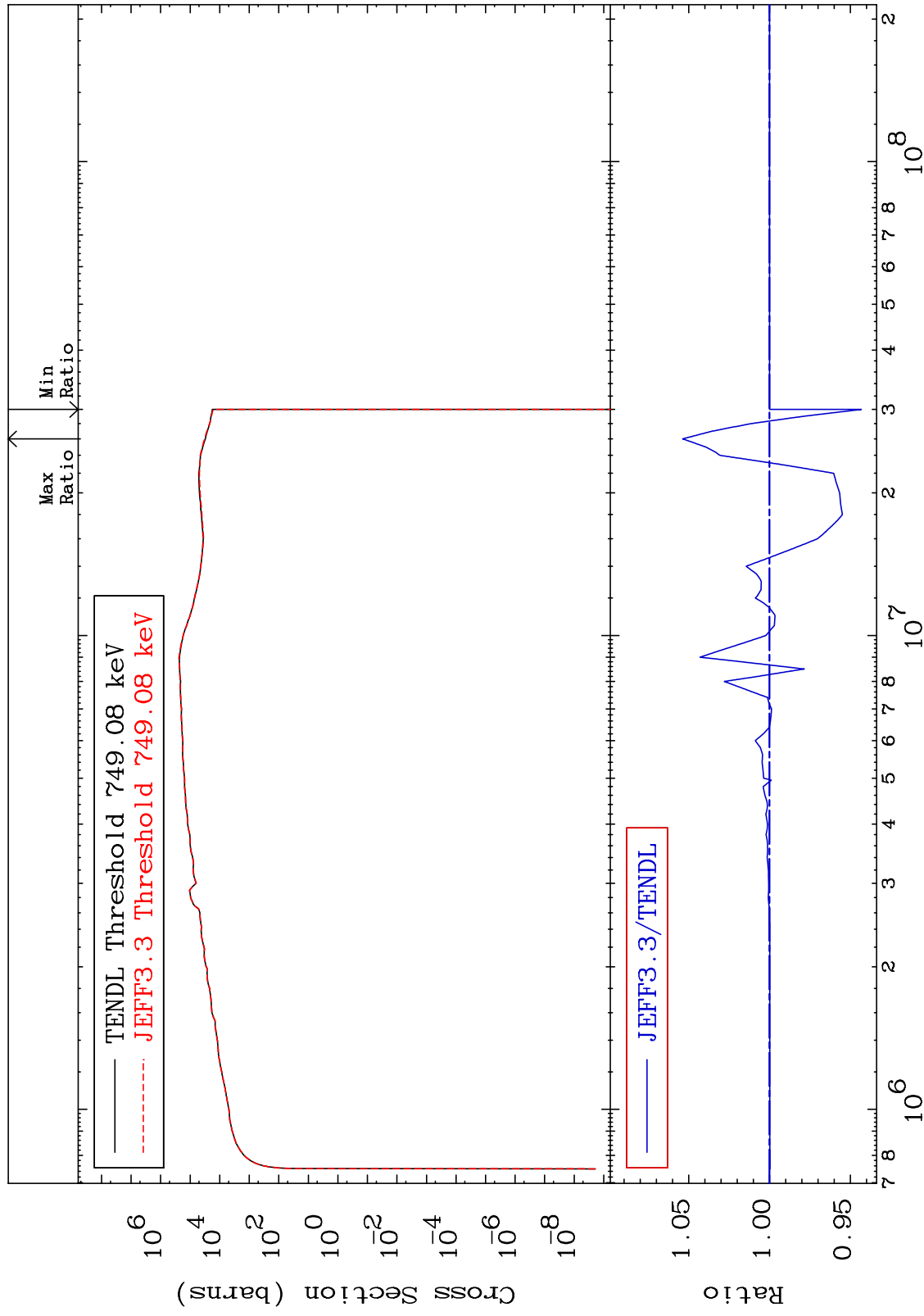
MAT 5249 Kerma non-elastic (all but mt2) 52-Te-128
 Cross Section -100.0 To 5169. %



MAT 5249

Kerma inelastic (mt51-91)
Cross Section

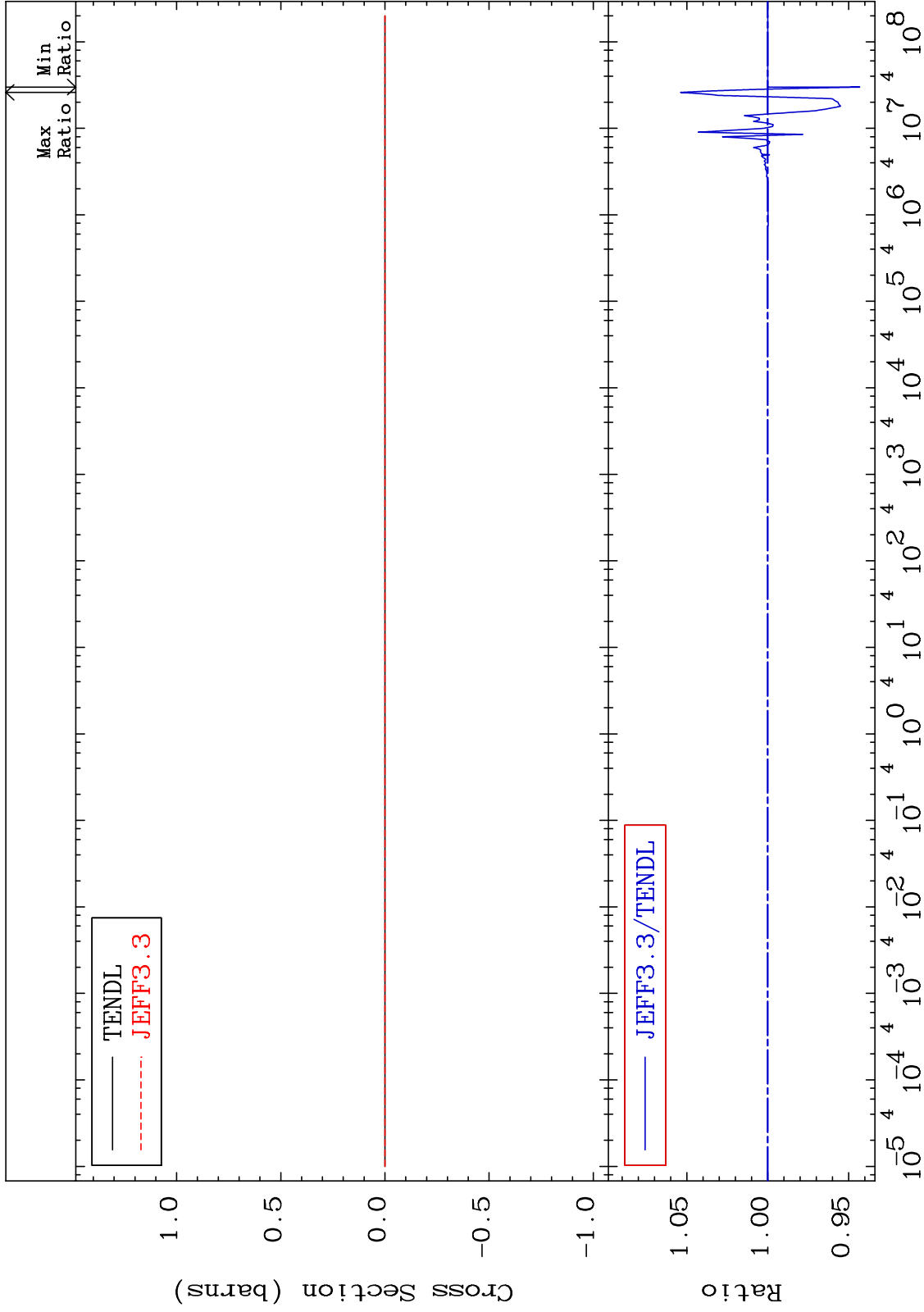
52-Te-128
-5.681 To 5.369 %



MAT 5249

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

52-Te-128
-5.681 To 5.369 %



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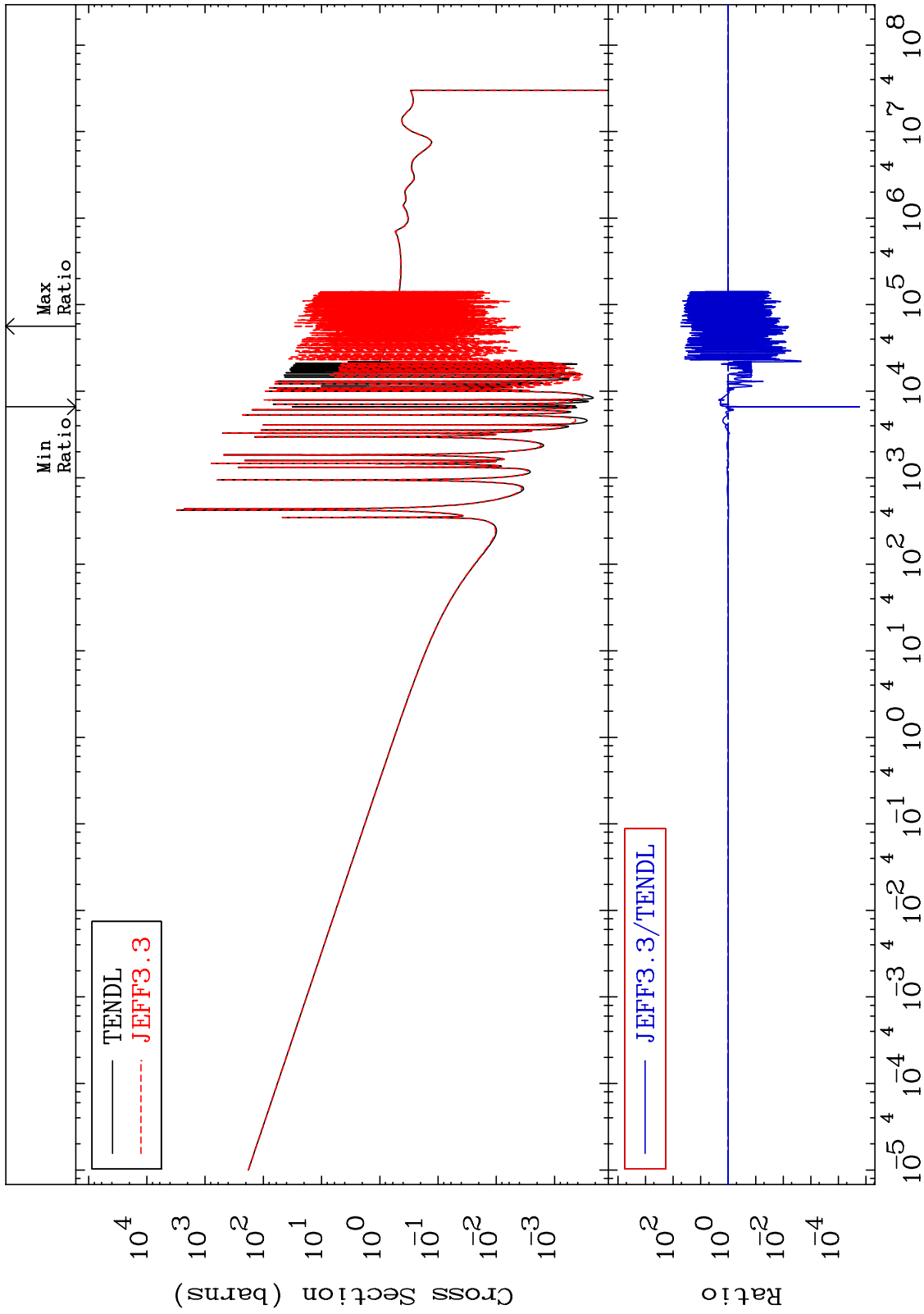
Incident Energy (eV)

52-Te-128

MAT 5249

Kerma capture (mt102)
Cross Section

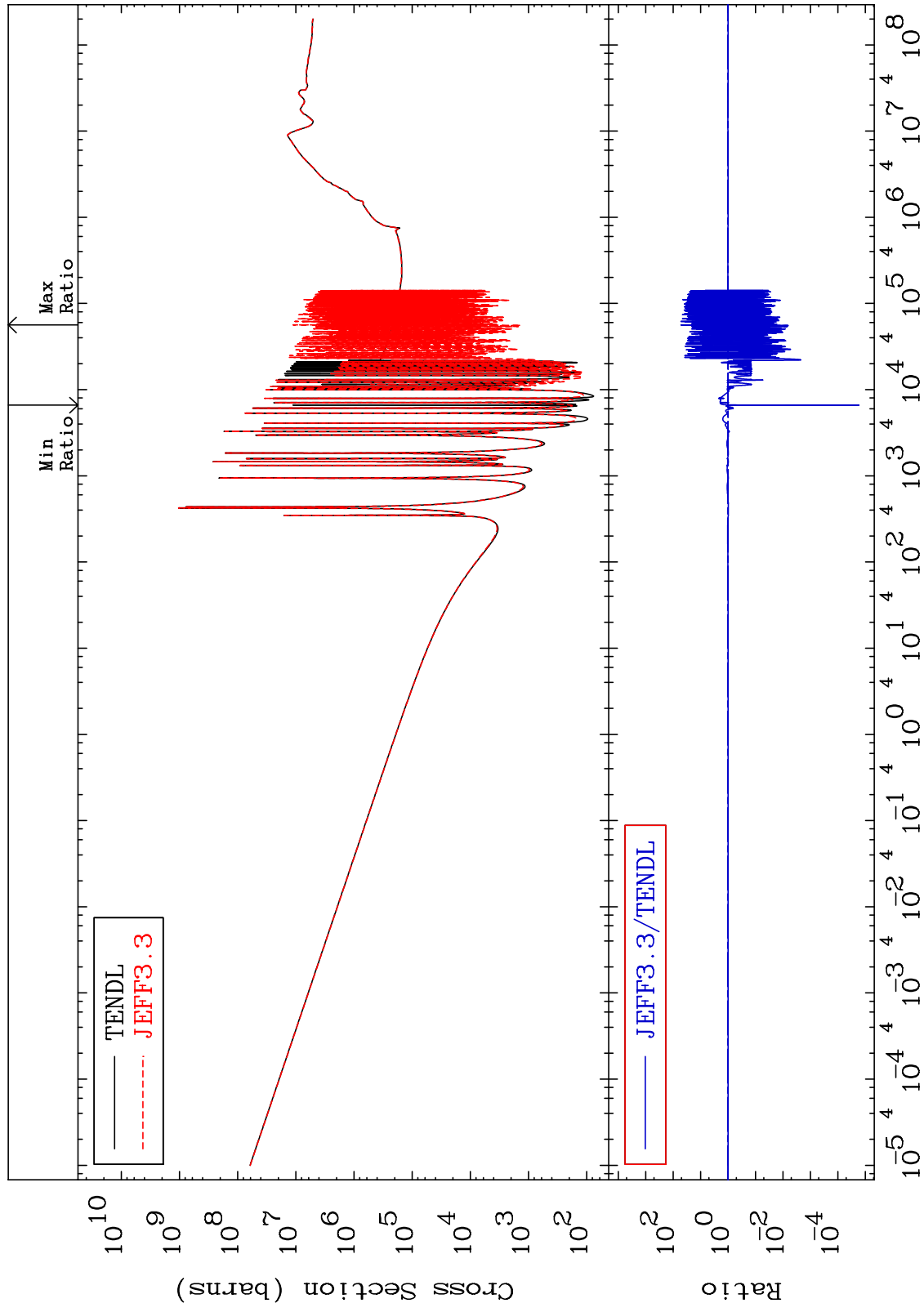
52-Te-128
-100.0 To 5169. %



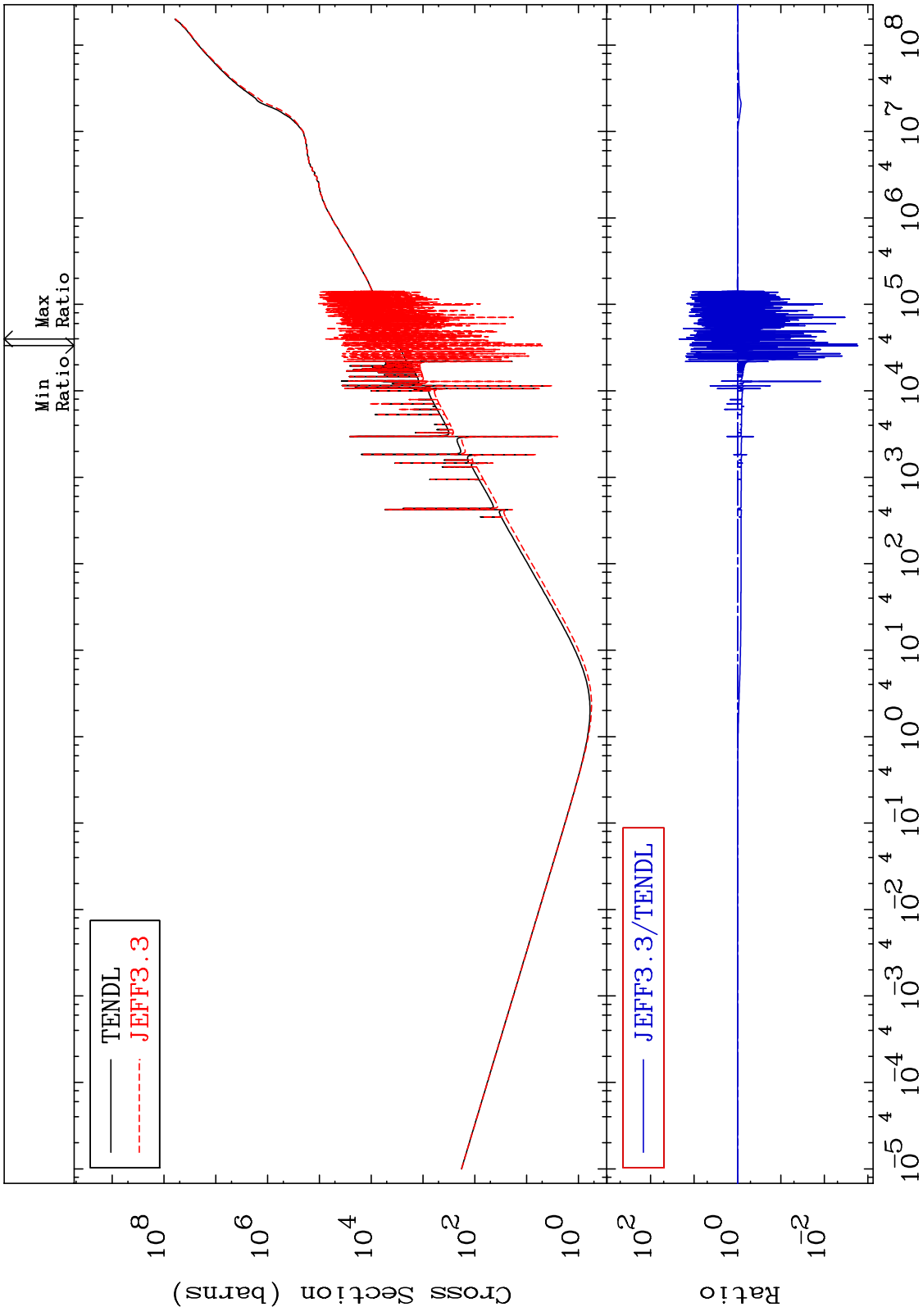
MAT 5249

Total photon (eV-barns)
Cross Section

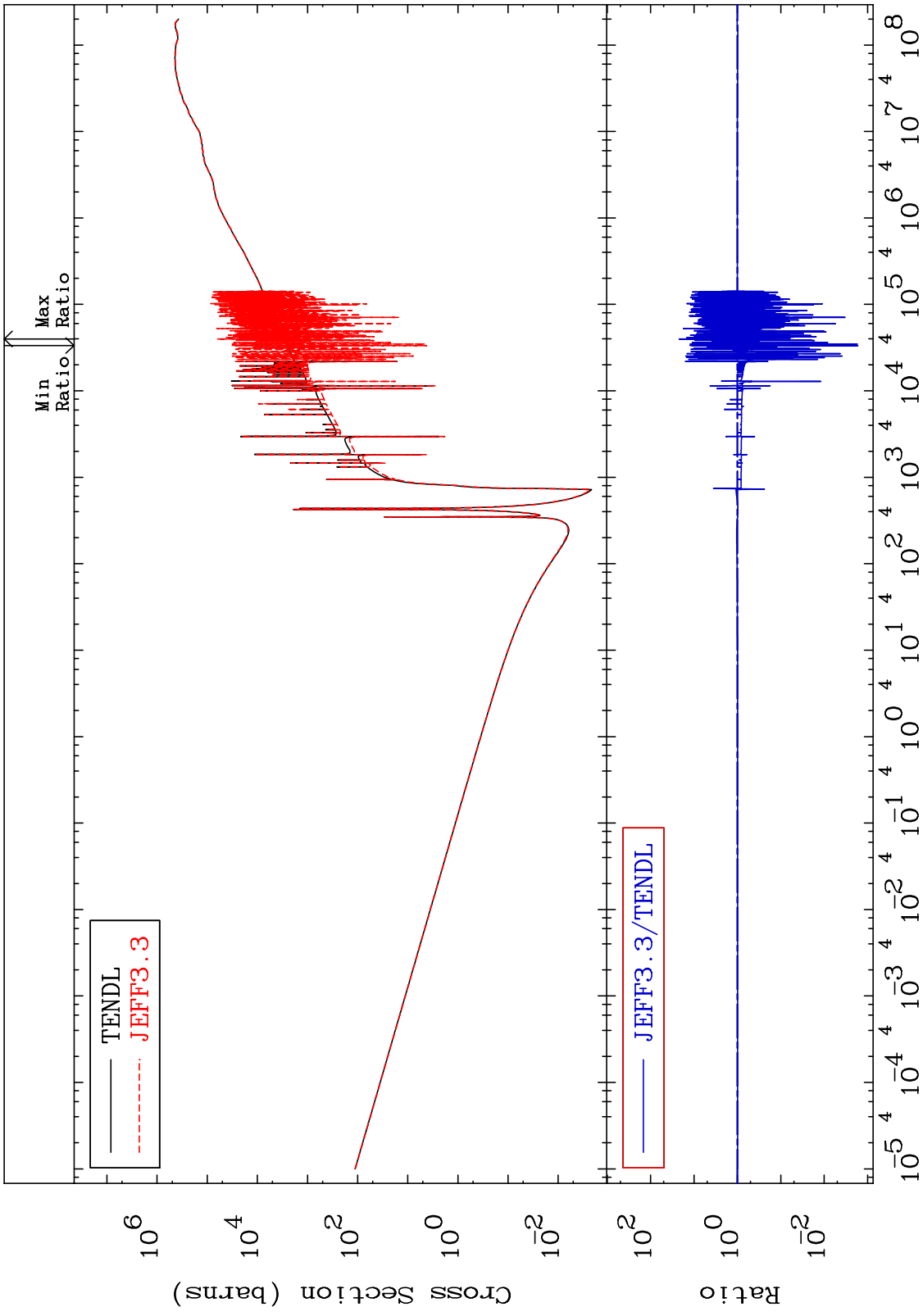
52-Te-128
-100.0 To 5169. %



MAT 5249 Total kinematic kerma (high limit) 52-Te-128
Cross Section -99.83 To 2113. %



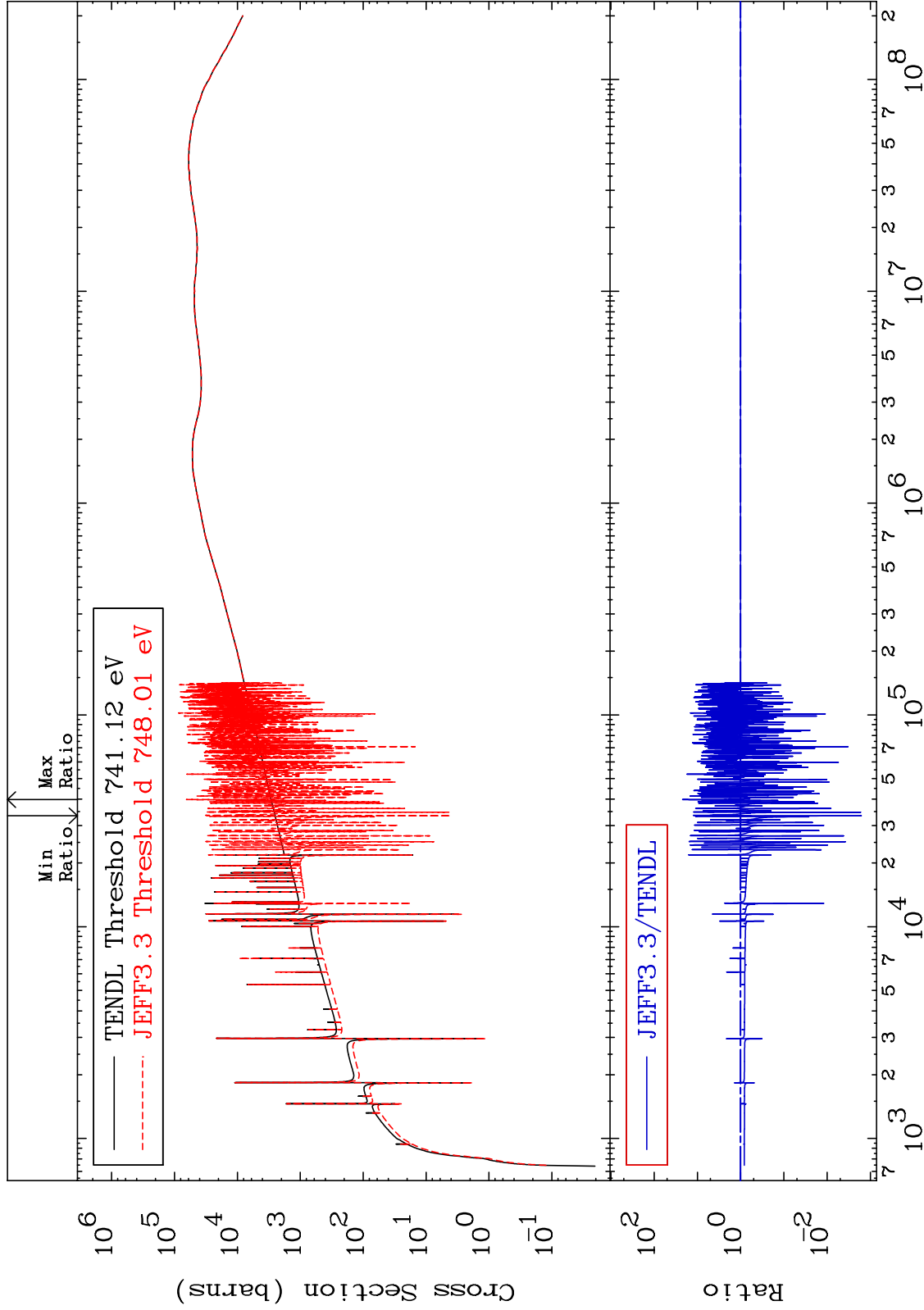
MAT 5249 Dpa total (eV-barns) 52-Te-128
 Cross Section -99.83 To 2112. %



MAT 5249

Dpa elastic (mt2)
Cross Section

52-Te-128
-99.84 To 2113. %



72

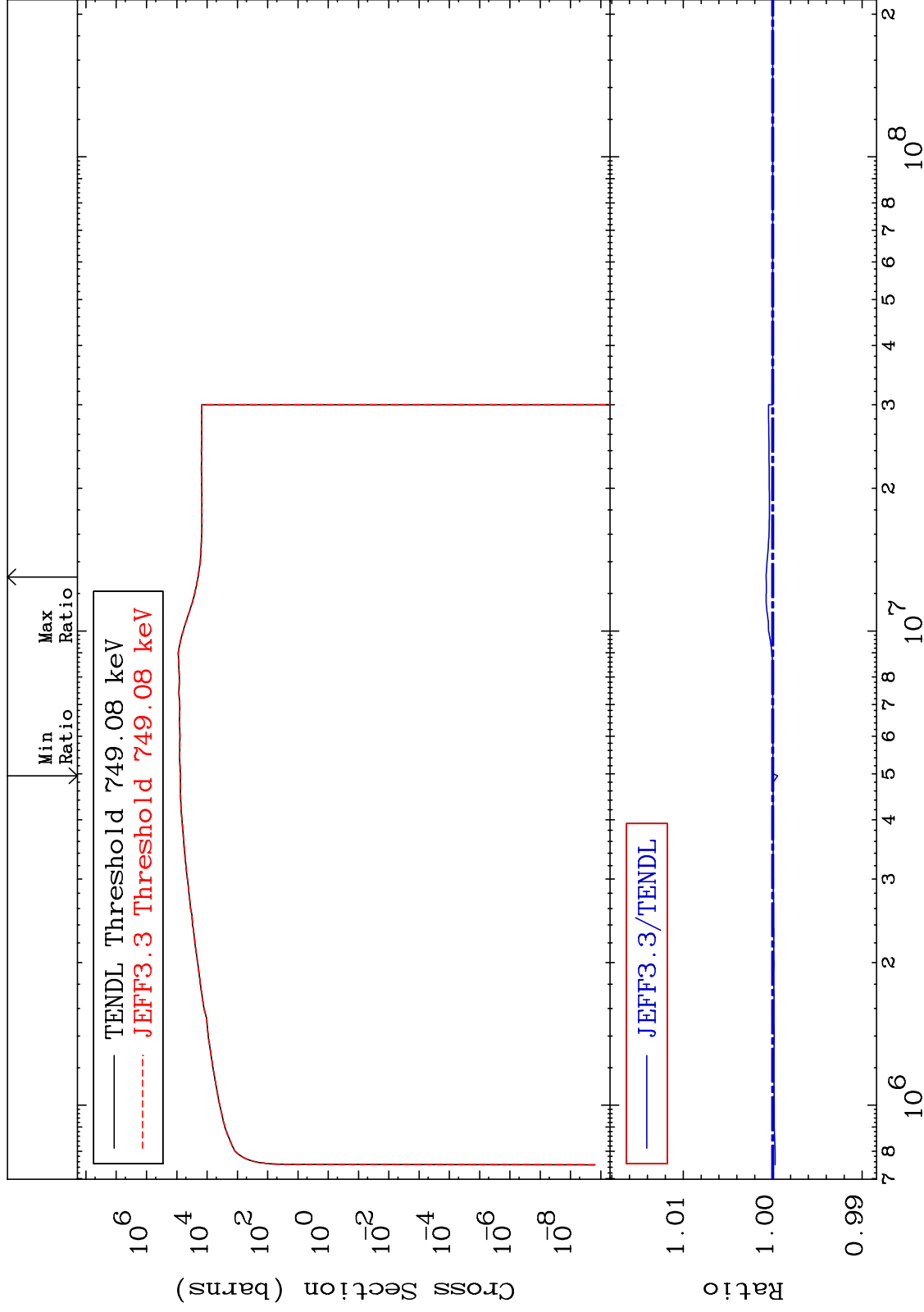
Incident Energy (eV)

52-Te-128

MAT 5249

Dpa inelastic (mt51-91)
Cross Section

52-Te-128
-0.057 To 0.074 %

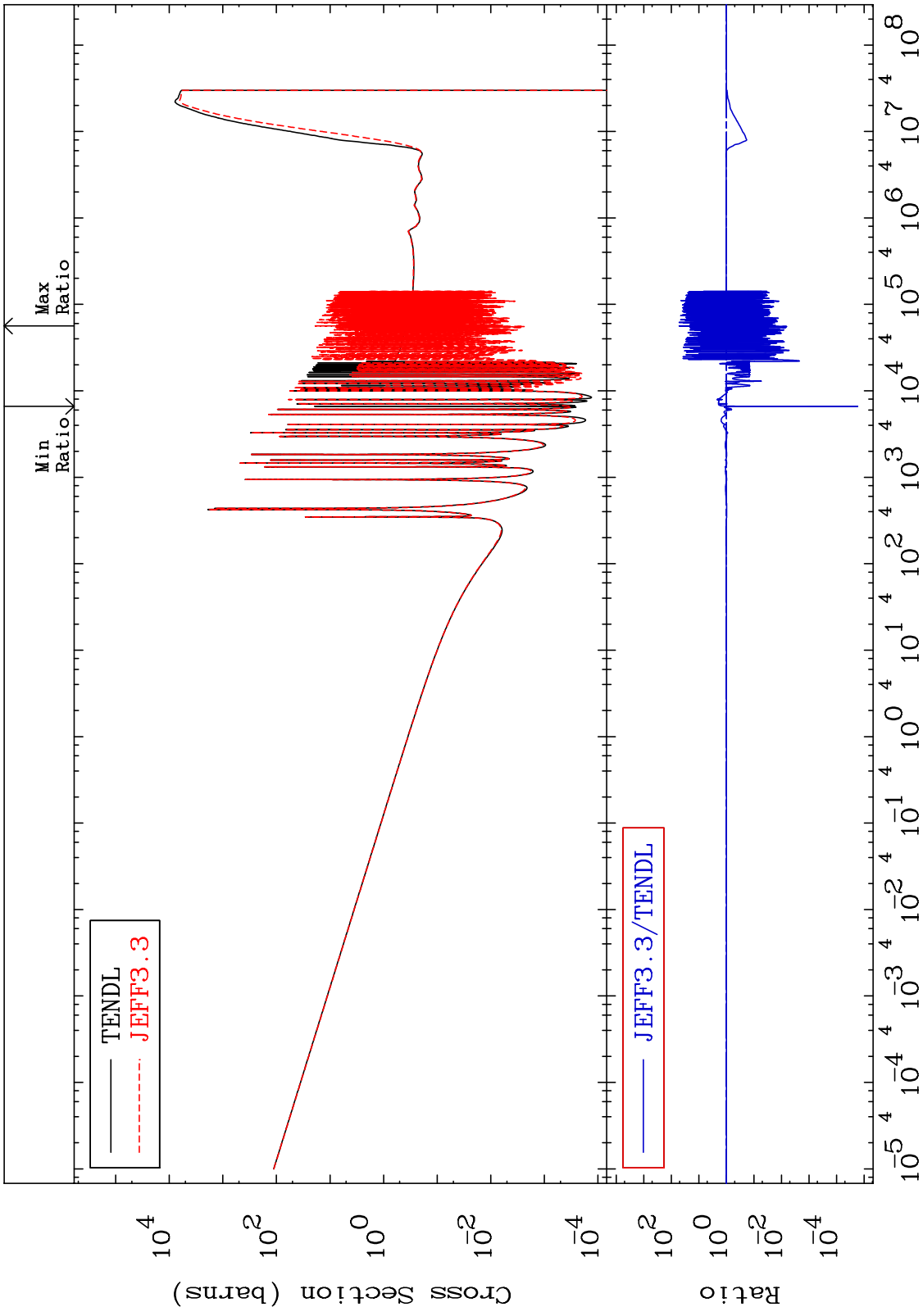


73

Incident Energy (eV)

52-Te-128

MAT 5249 Dpa disappearance (mt102 -120) 52-Te-128
 Cross Section -100.0 To 5169. %

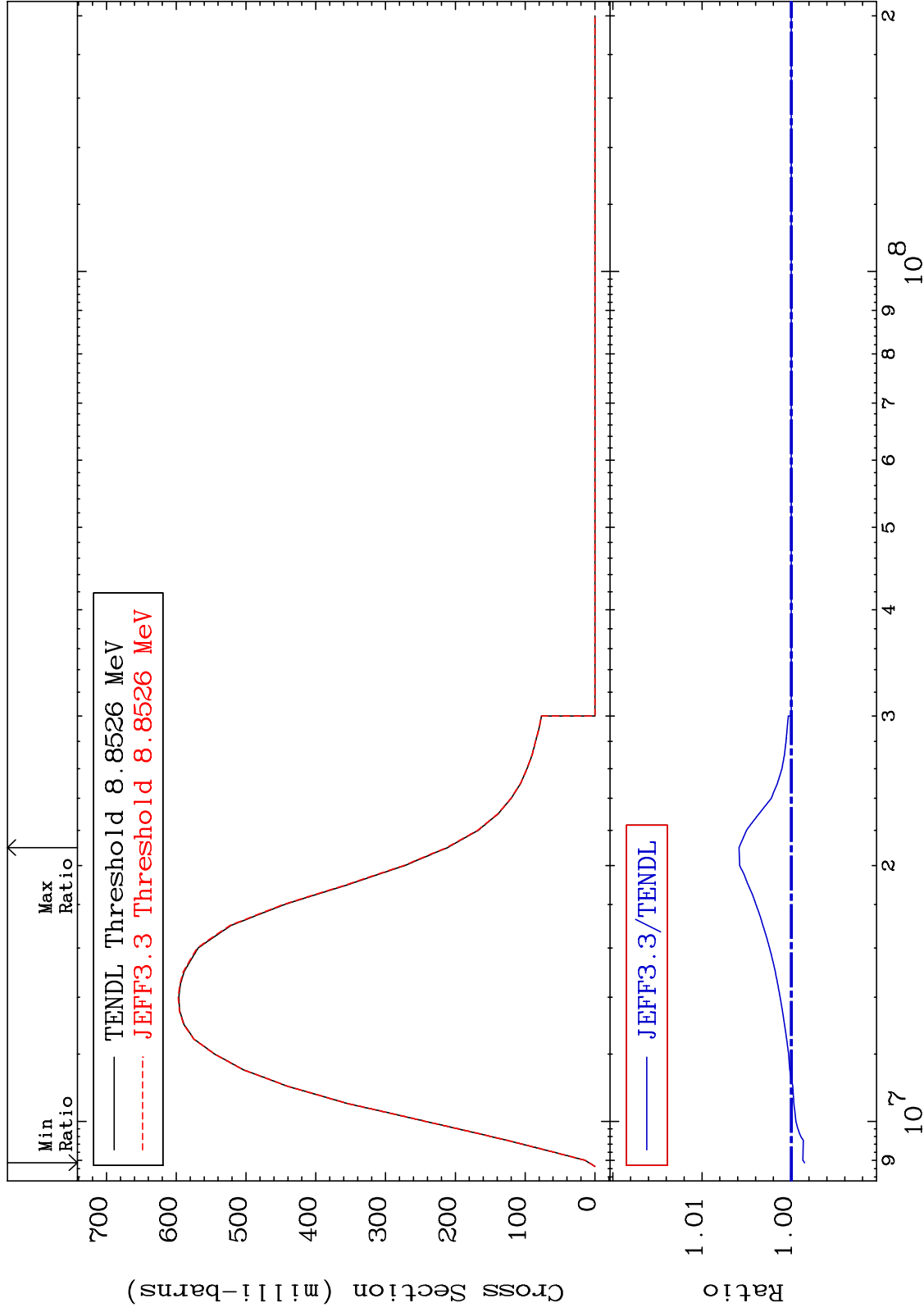


MAT 5249

(n,2n):52-Te-127g

52-Te-128

Radionuclide Production Cross Section -0.151 To 0.585 %

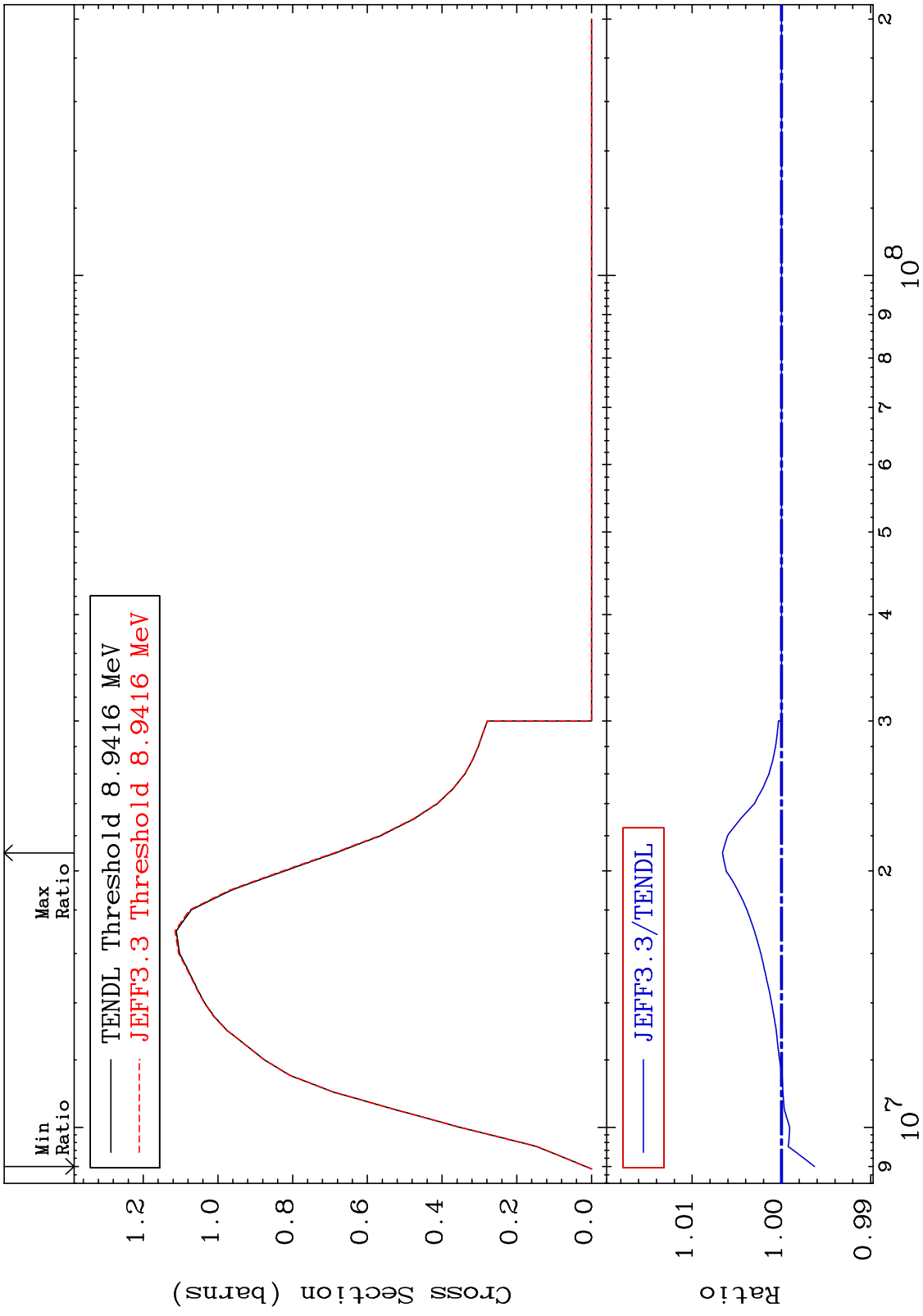


75

Incident Energy (eV)

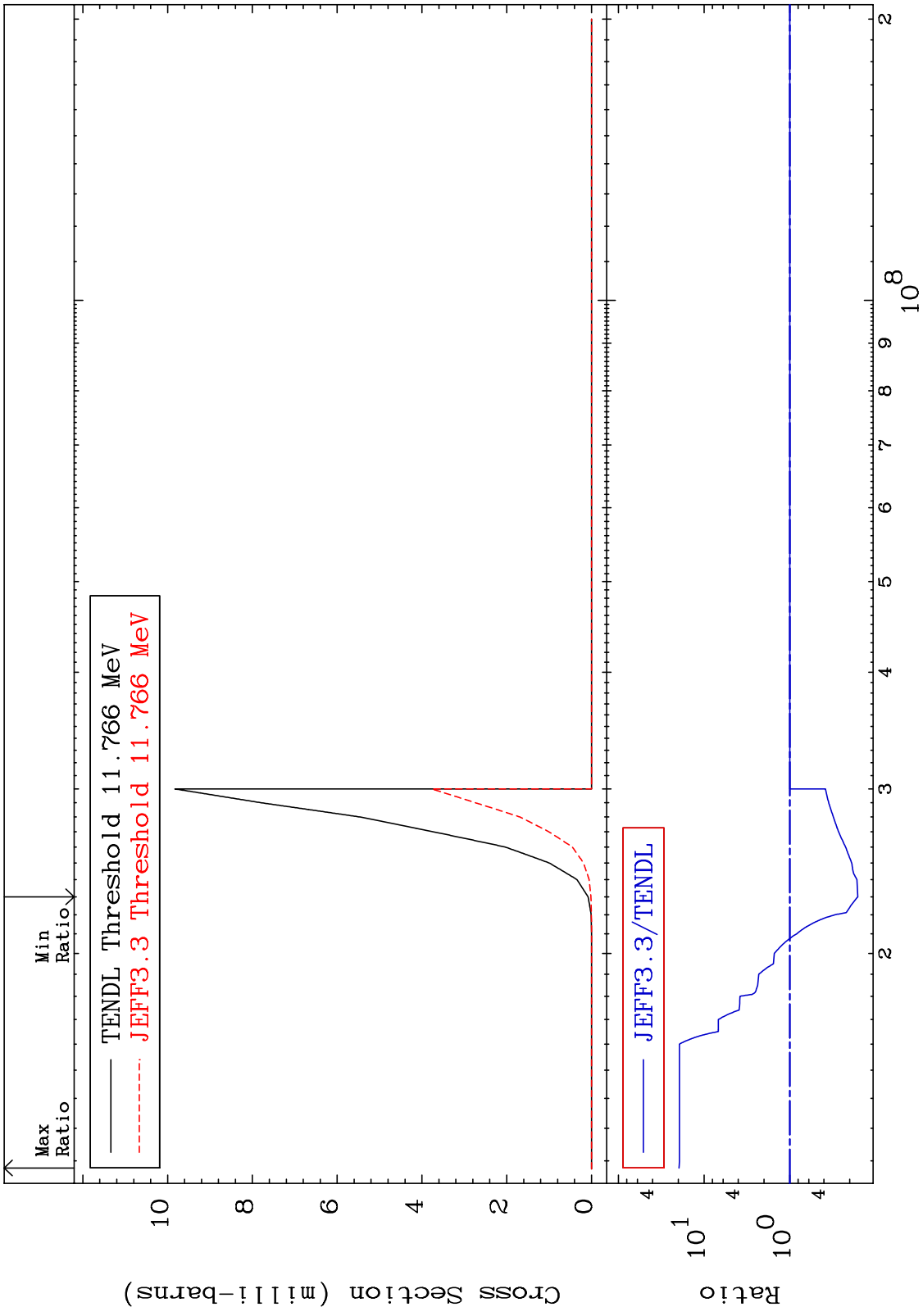
52-Te-128

MAT 5249 (n,2n):52-Te-127m2 52-Te-128
 Radionuclide Production Cross Section -0.370 To 0.661 %



76 Incident Energy (eV) 52-Te-128

MAT 5249 (n,2n) α :50-Sn-123g 52-Te-128
 Radionuclide Production Cross Section -83.96 To 1857. %

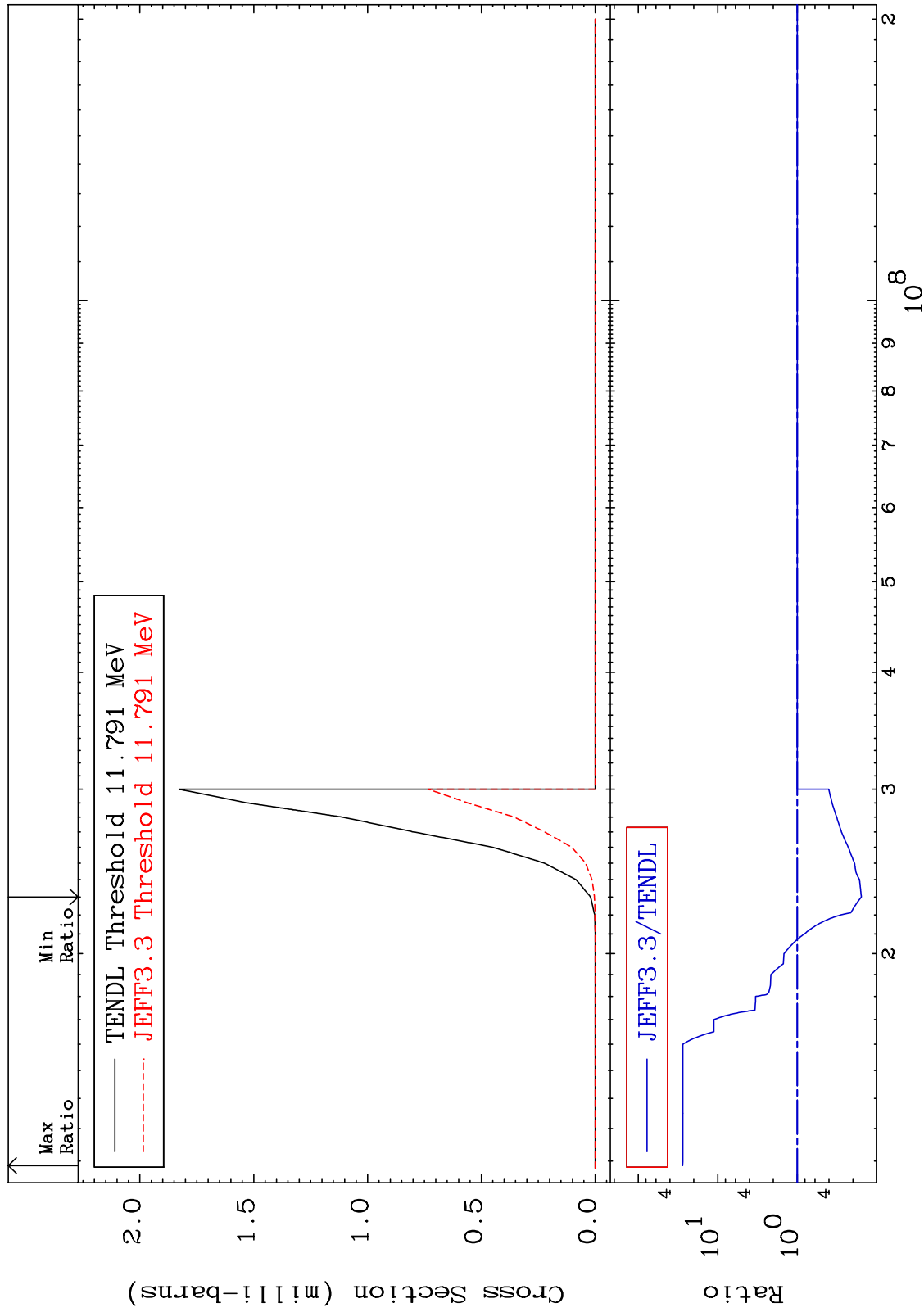


MAT 5249

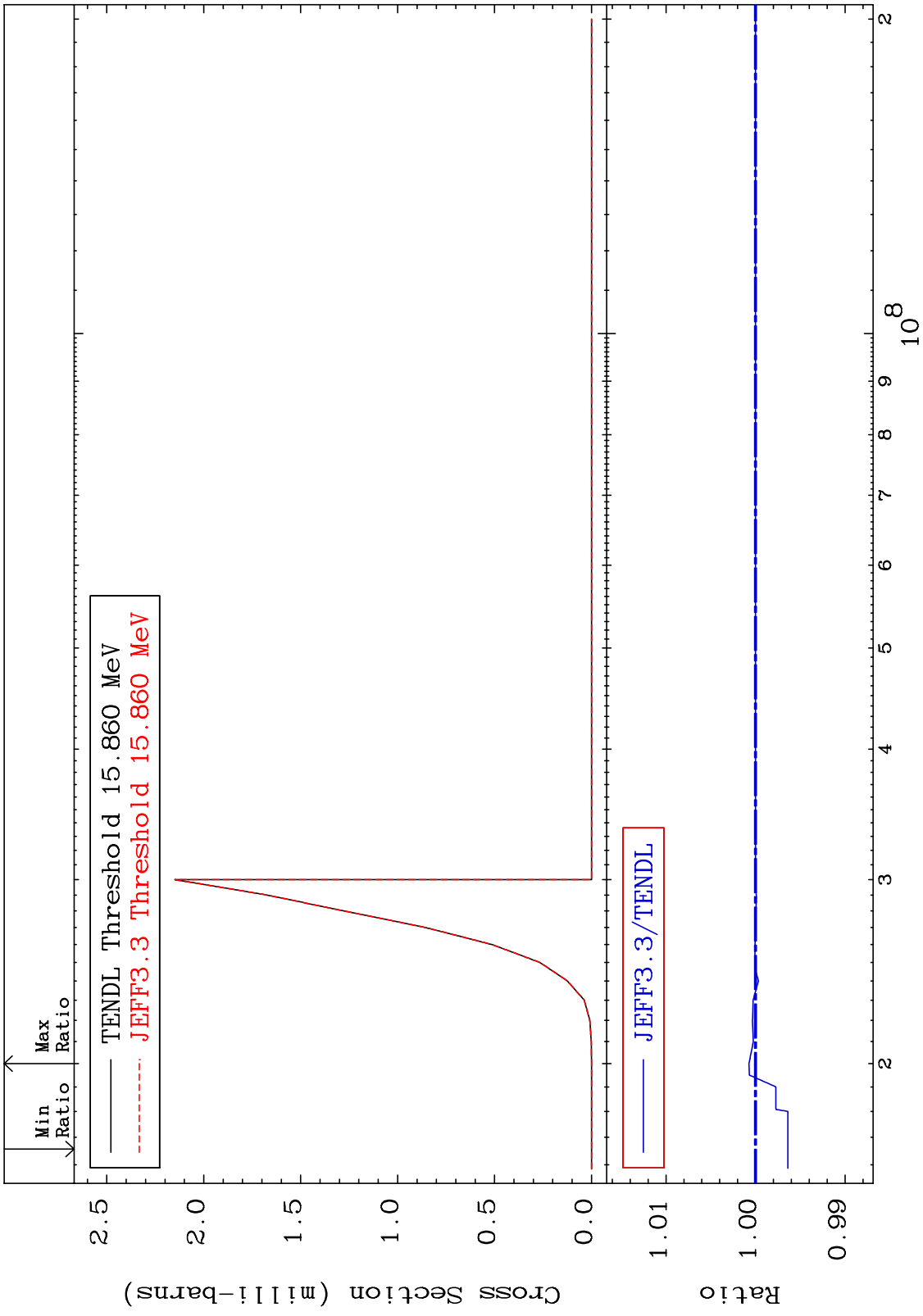
(n,2n) α :50-Sn-123m1

52-Te-128

Radionuclide Production Cross Section -84.34 To 2661. %

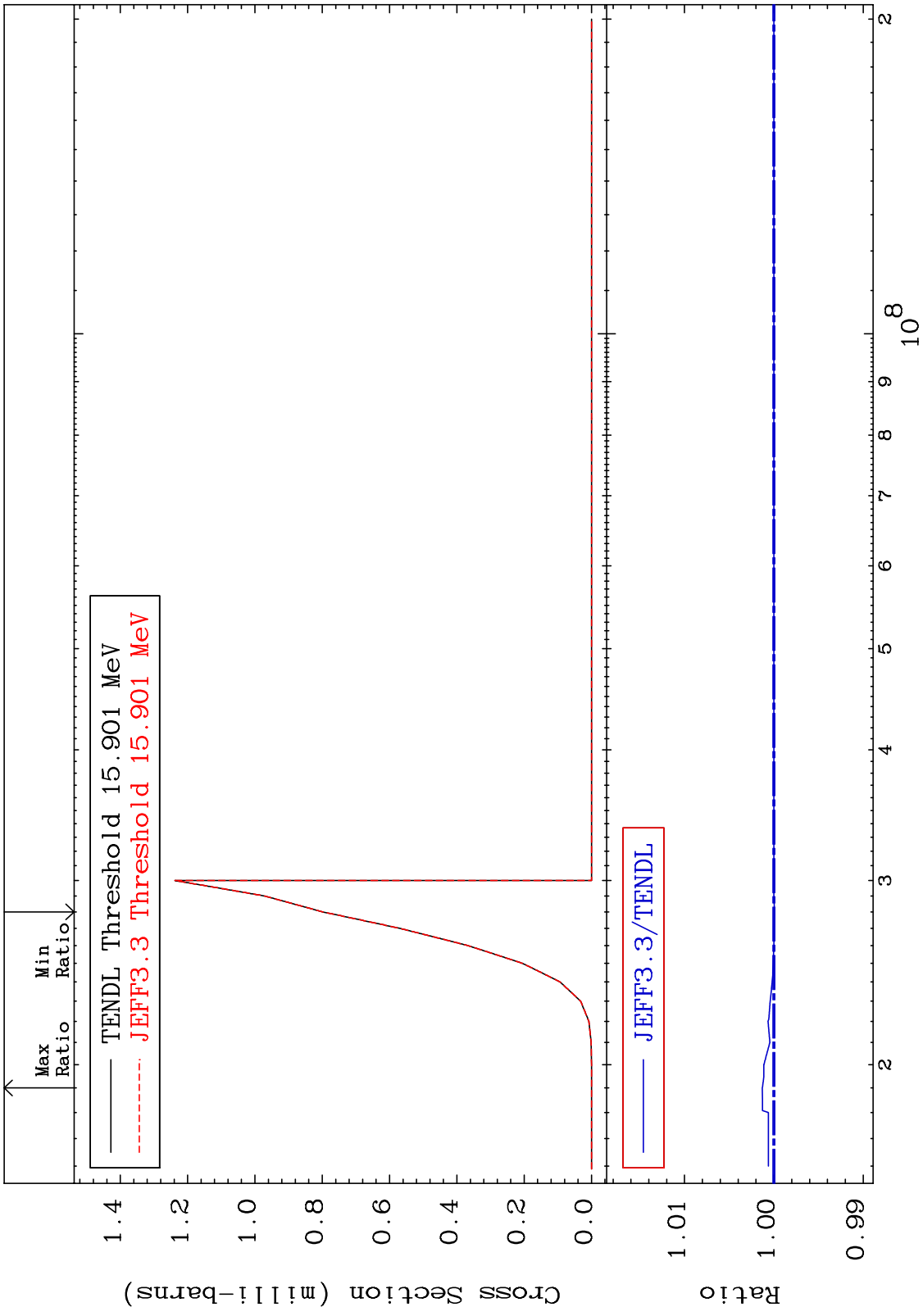


MAT 5249 (n, n') d:51-Sb-126g 52-Te-128
 Radionuclide Production Cross Section -0.362 To 0.073 %

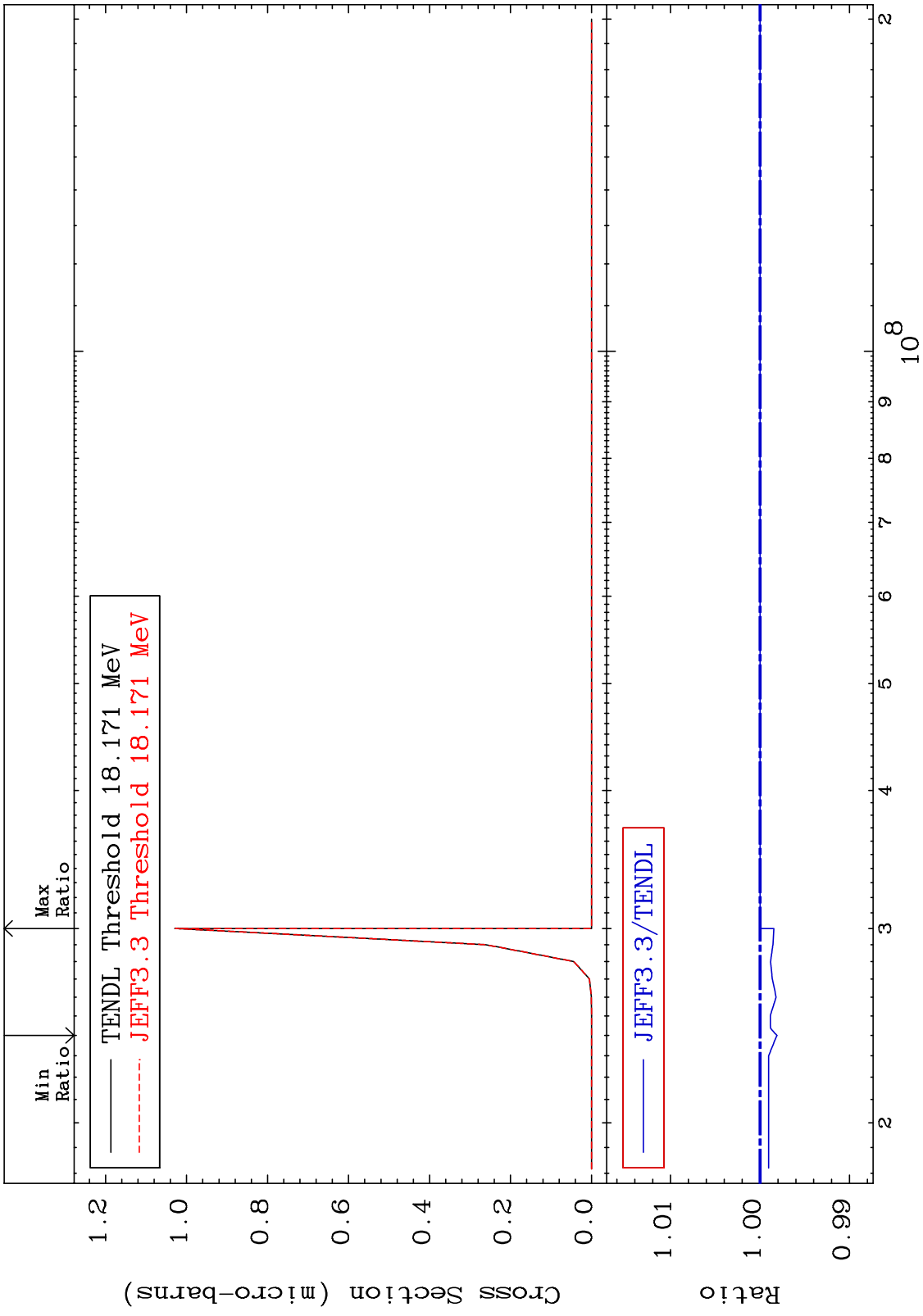


MAT 5249 (n,n') d:51-Sb-126m1 52-Te-128
 Radionuclide Production Cross Section -0.240 To 0.094 %

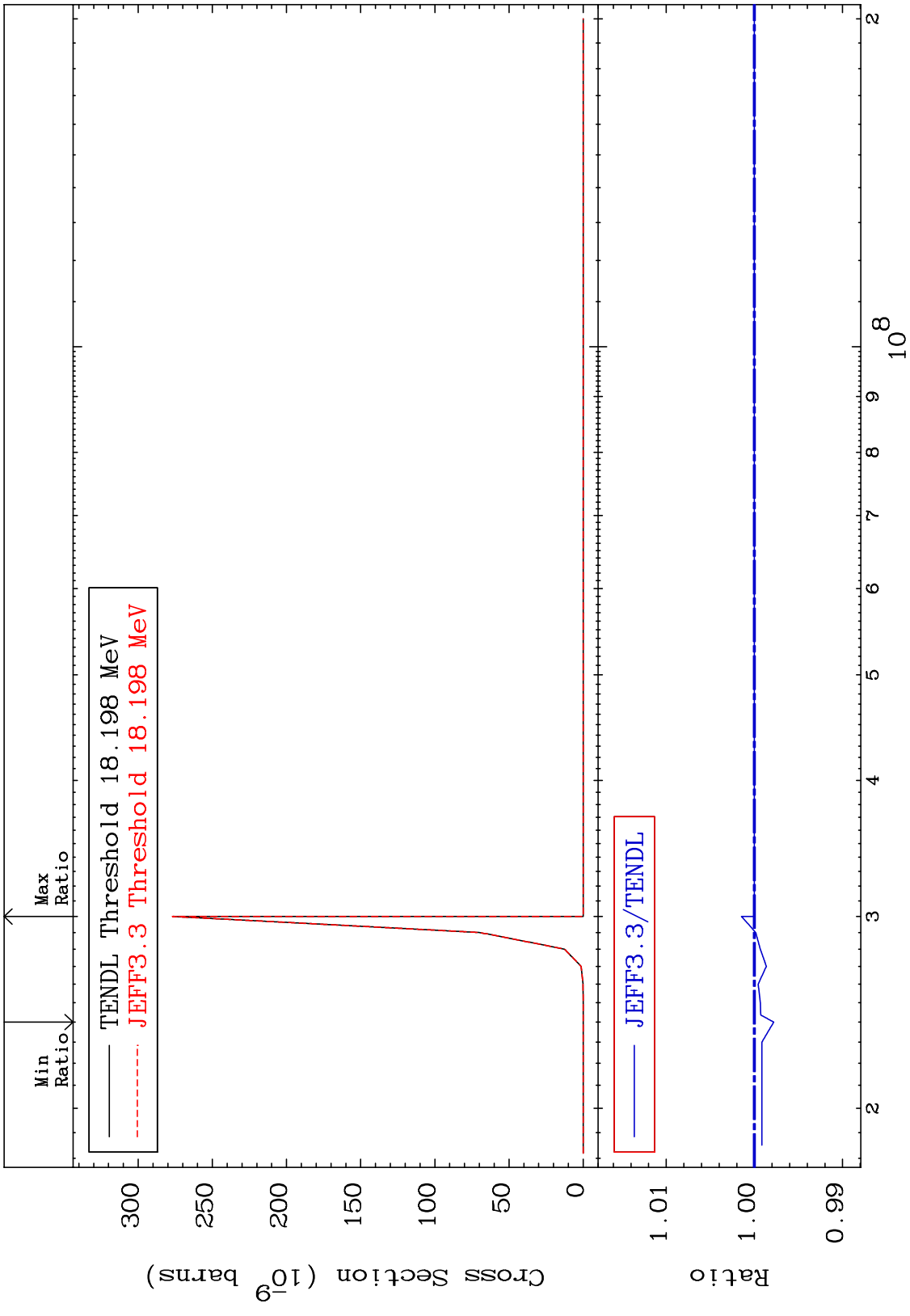




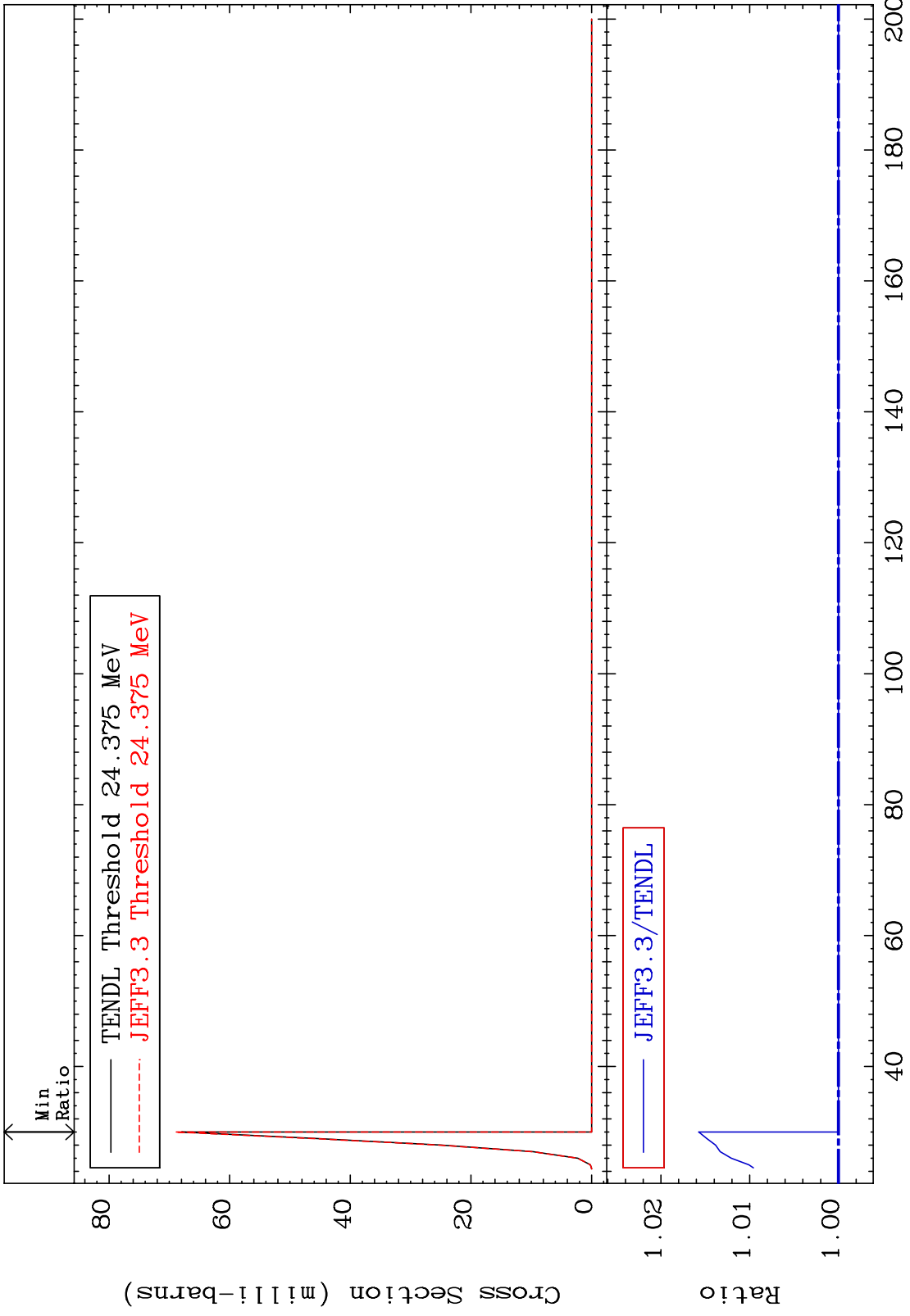
MAT 5249 (n,n') He-3:50-Sn-125g 52-Te-128
 Radionuclide Production Cross Section -0.188 To 0.000 %



MAT 5249 (n,n') He-3:50-Sn-125m1 52-Te-128
 Radionuclide Production Cross Section -0.219 To 0.146 %



MAT 5249 (n,4n):52-Te-125g 52-Te-128
 Radionuclide Production Cross Section 0.000 To 1.575 %

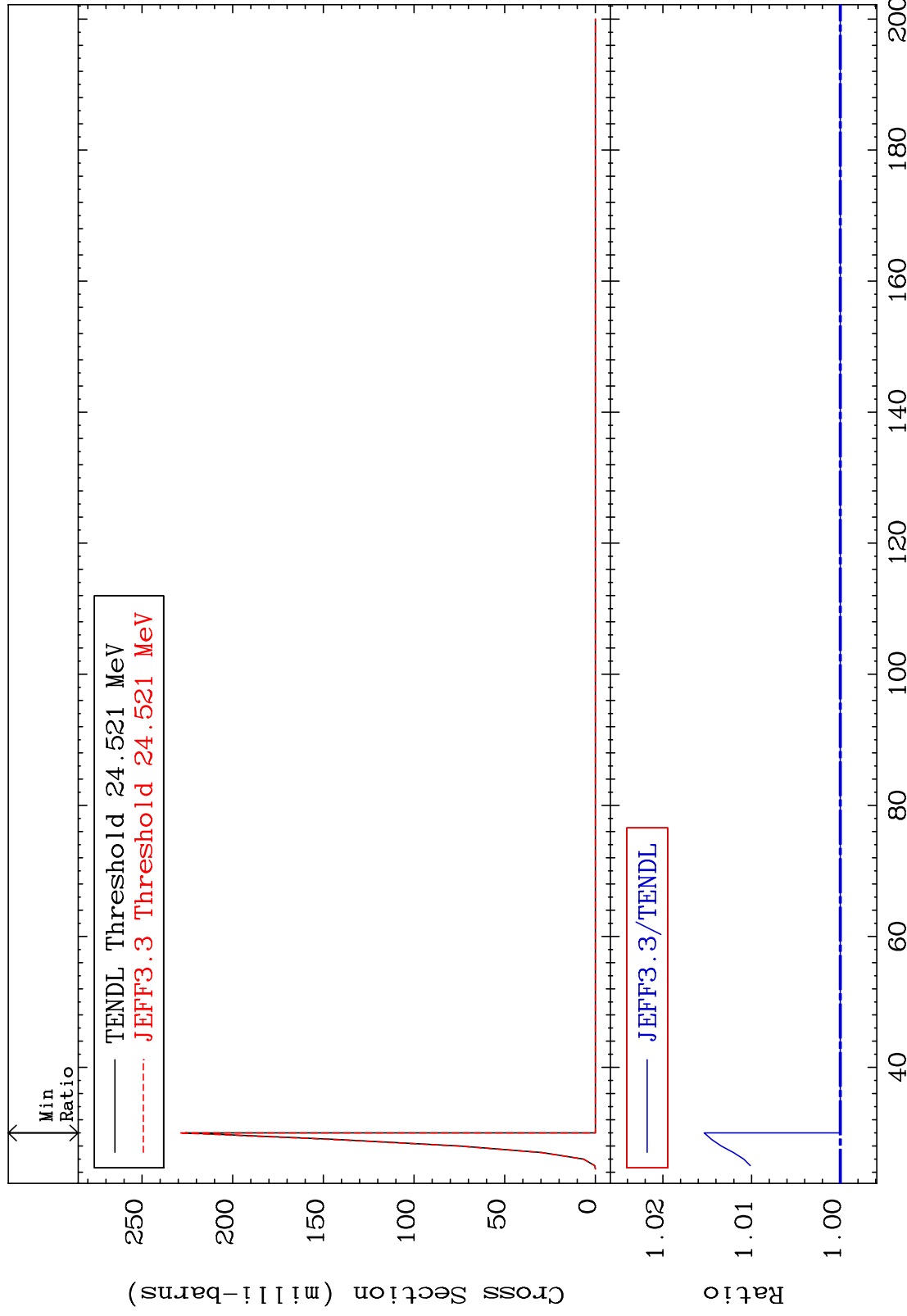


MAT 5249

(n, 4n) : 52-Te-125m2

52-Te-128

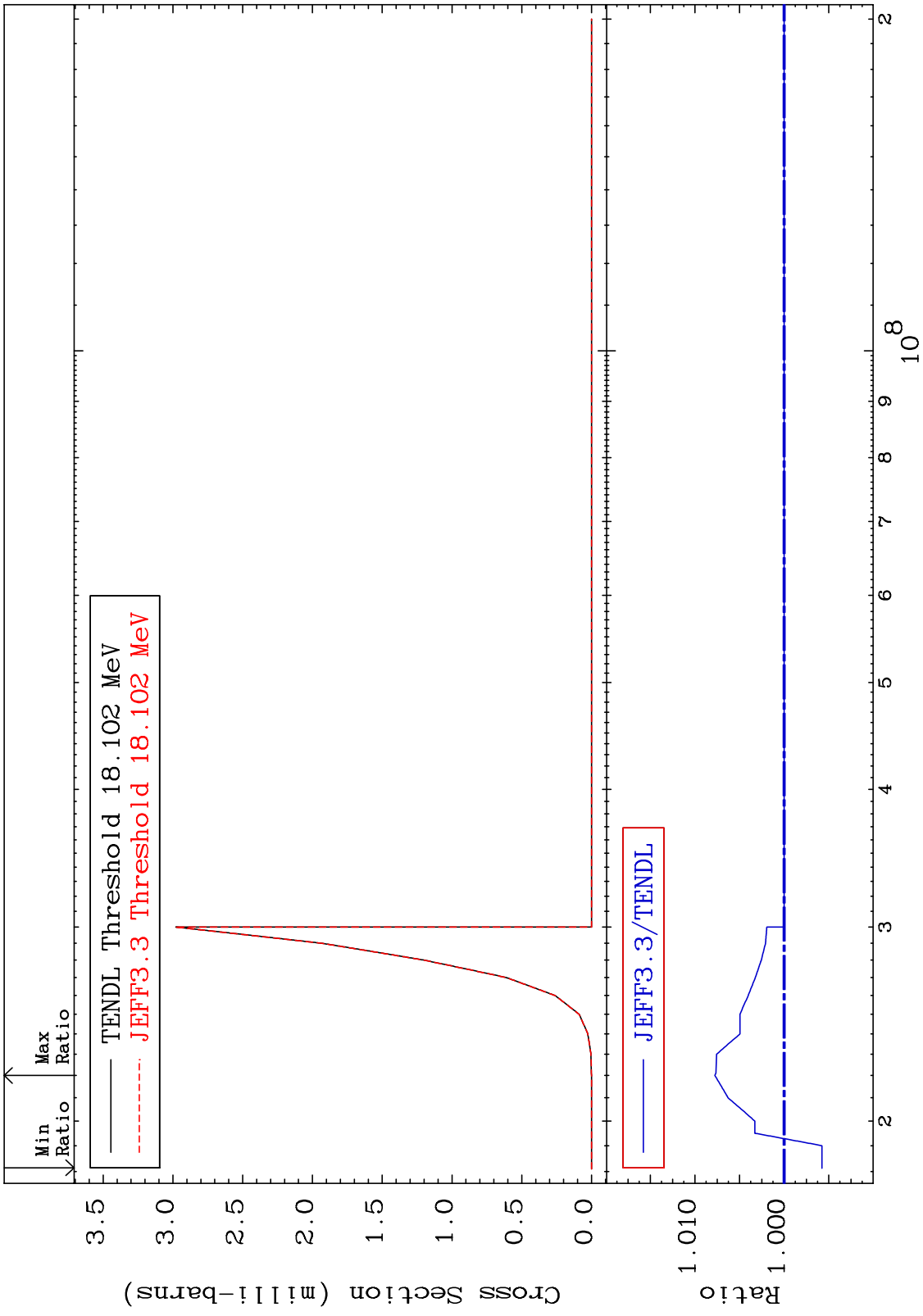
Radionuclide Production Cross Section 0.000 To 1.534 %



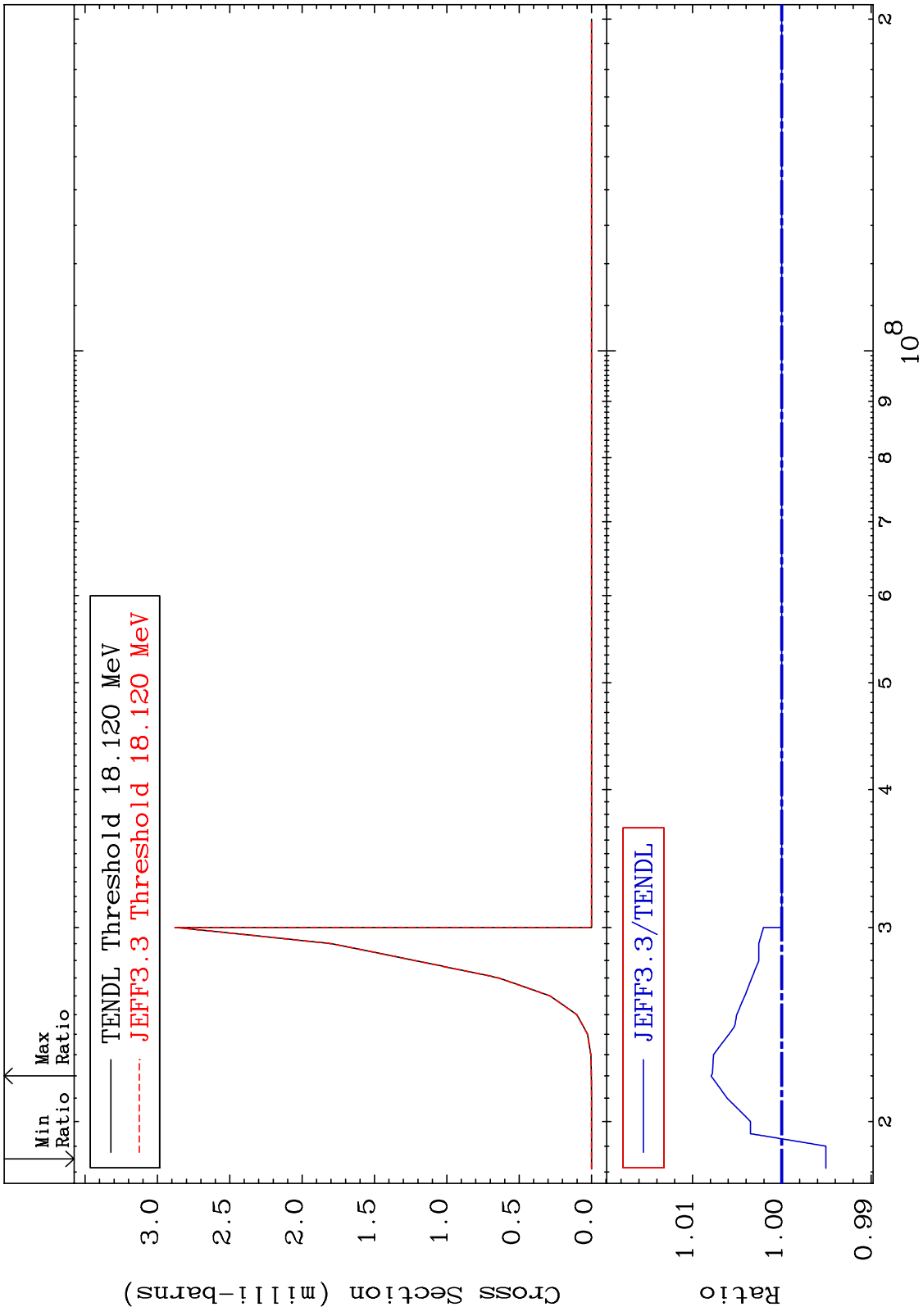
85

Incident Energy (MeV)

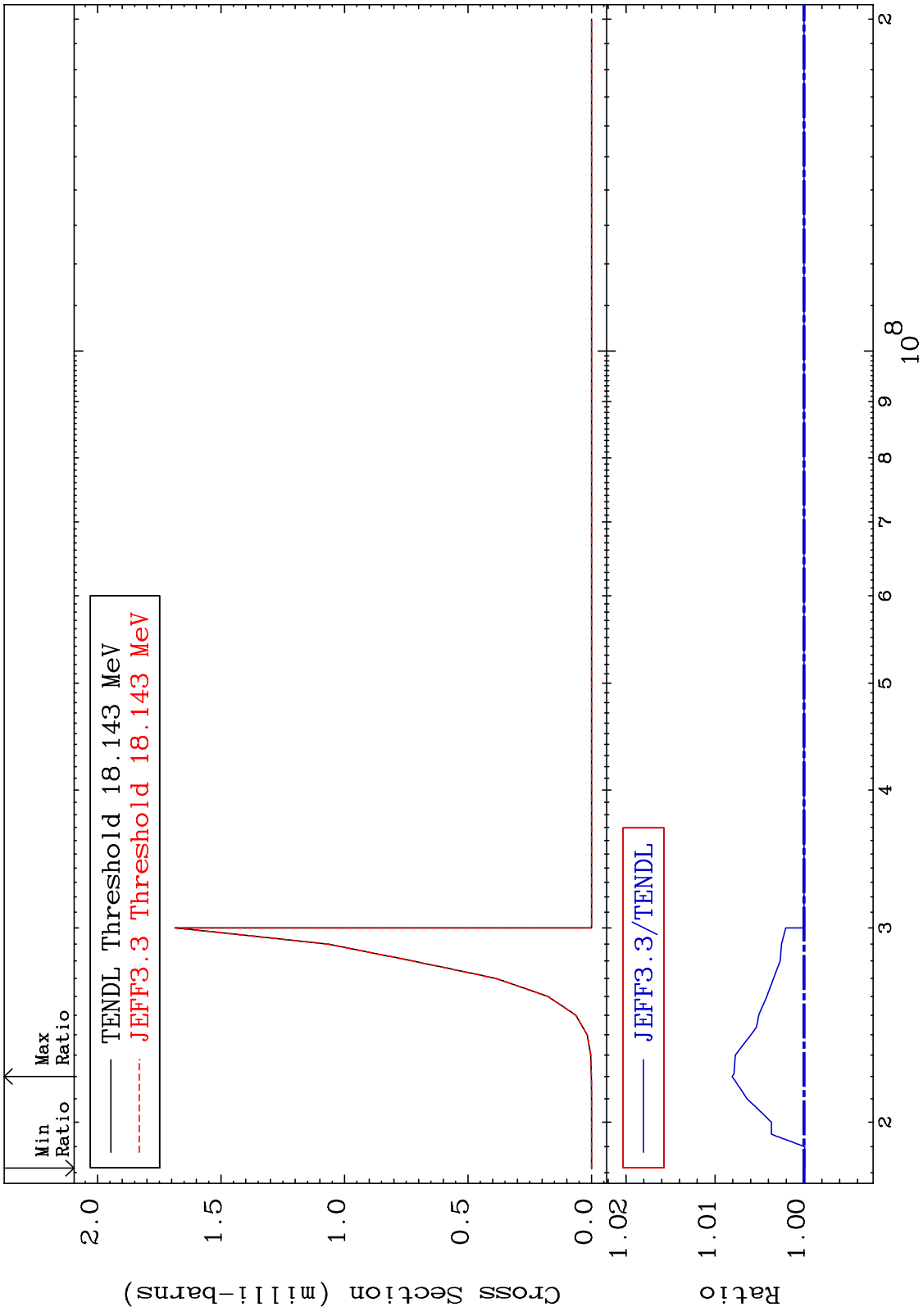
52-Te-128



MAT 5249 (n,2n) p:51-Sb-126m1 52-Te-128
 Radionuclide Production Cross Section -0.494 To 0.793 %



MAT 5249 (n,2n) p:51-Sb-126m2 52-Te-128
 Radionuclide Production Cross Section -0.008 To 0.808 %

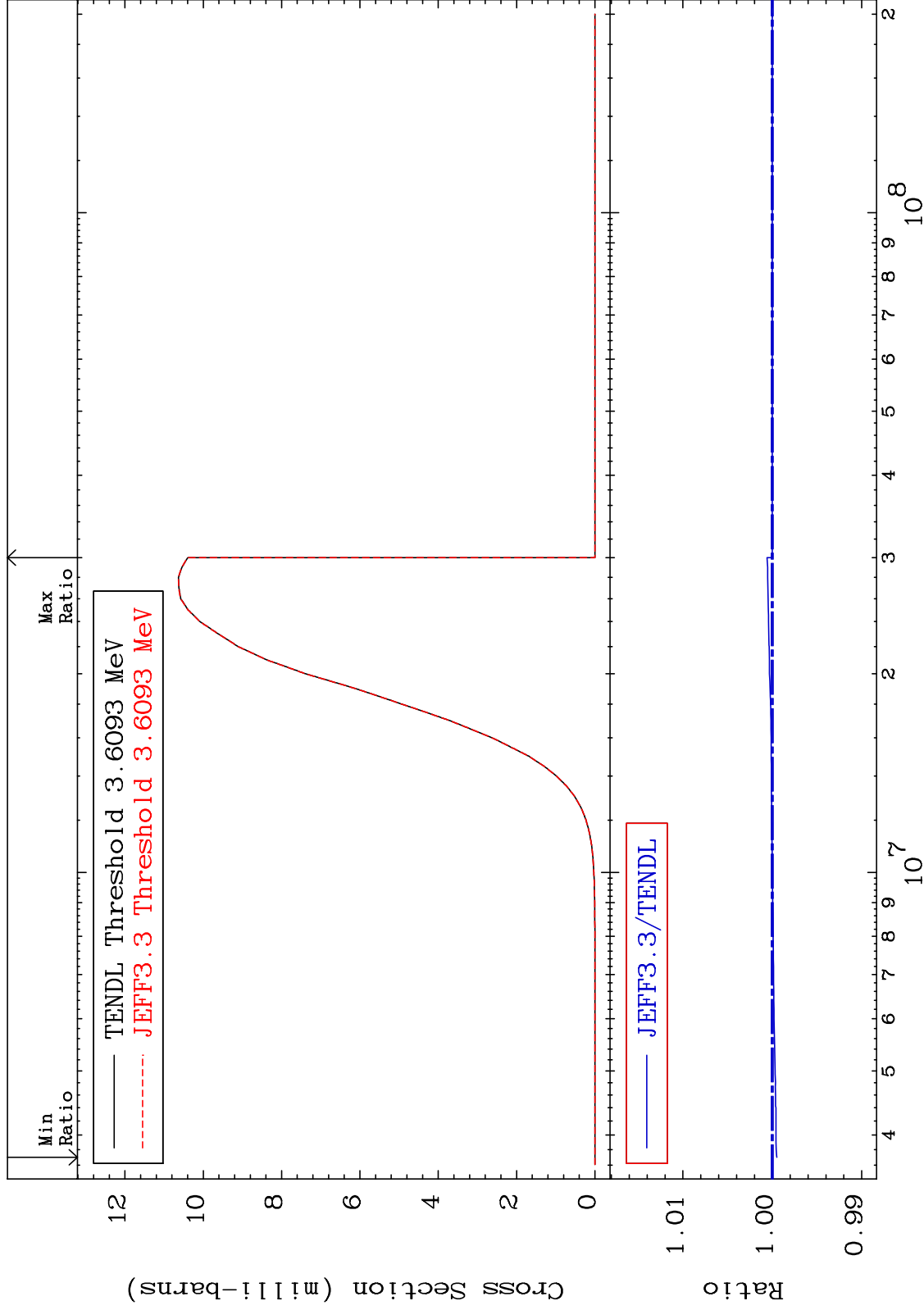


MAT 5249

(n,p):51-Sb-128g

52-Te-128

Radionuclide Production Cross Section -0.050 To 0.060 %

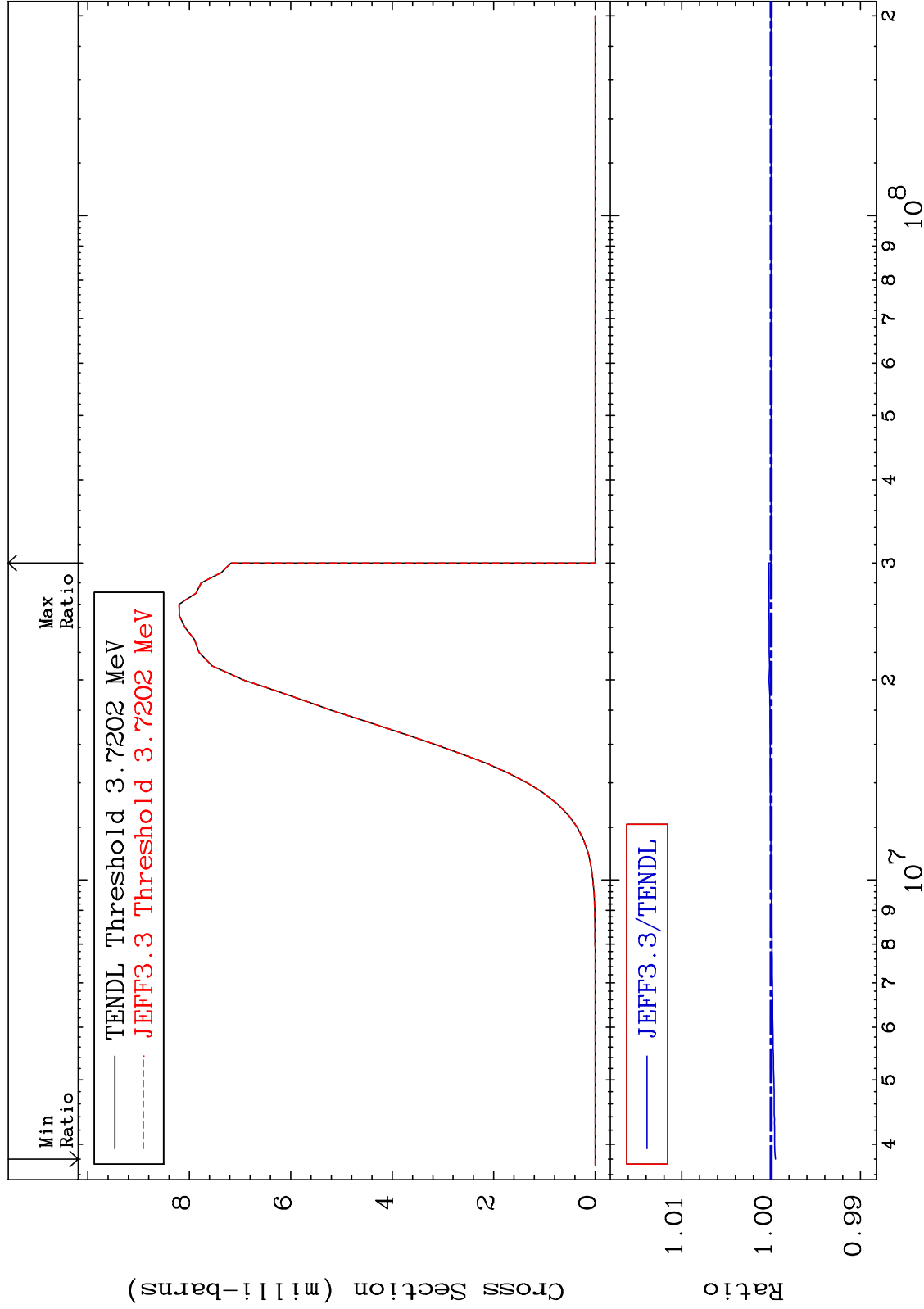


MAT 5249

(n,p):51-Sb-128m1

52-Te-128

Radionuclide Production Cross Section -0.048 To 0.029 %

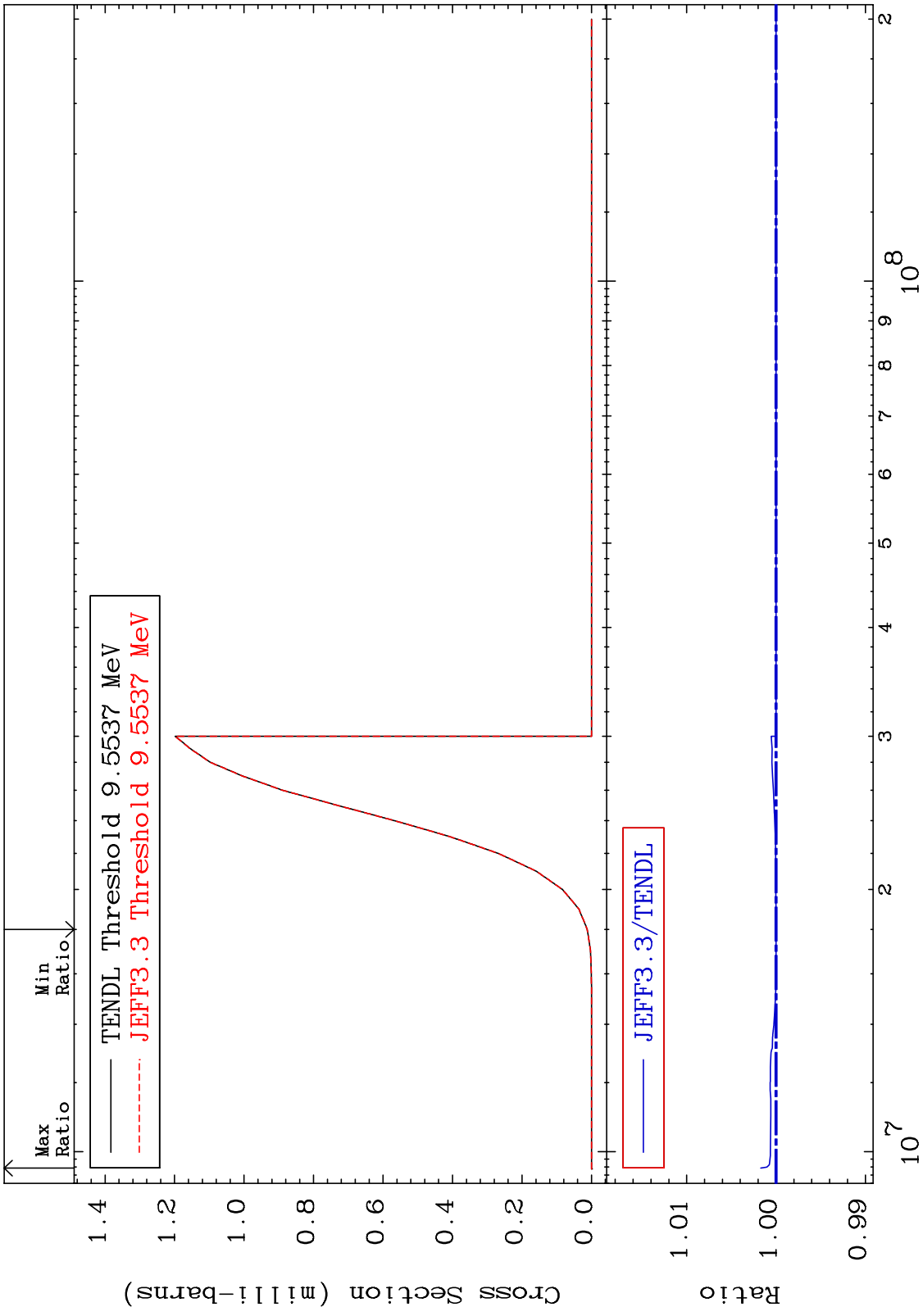


90

Incident Energy (eV)

52-Te-128

MAT 5249 (n,t):51-Sb-126g 52-Te-128
 Radionuclide Production Cross Section 0.000 To 0.170 %

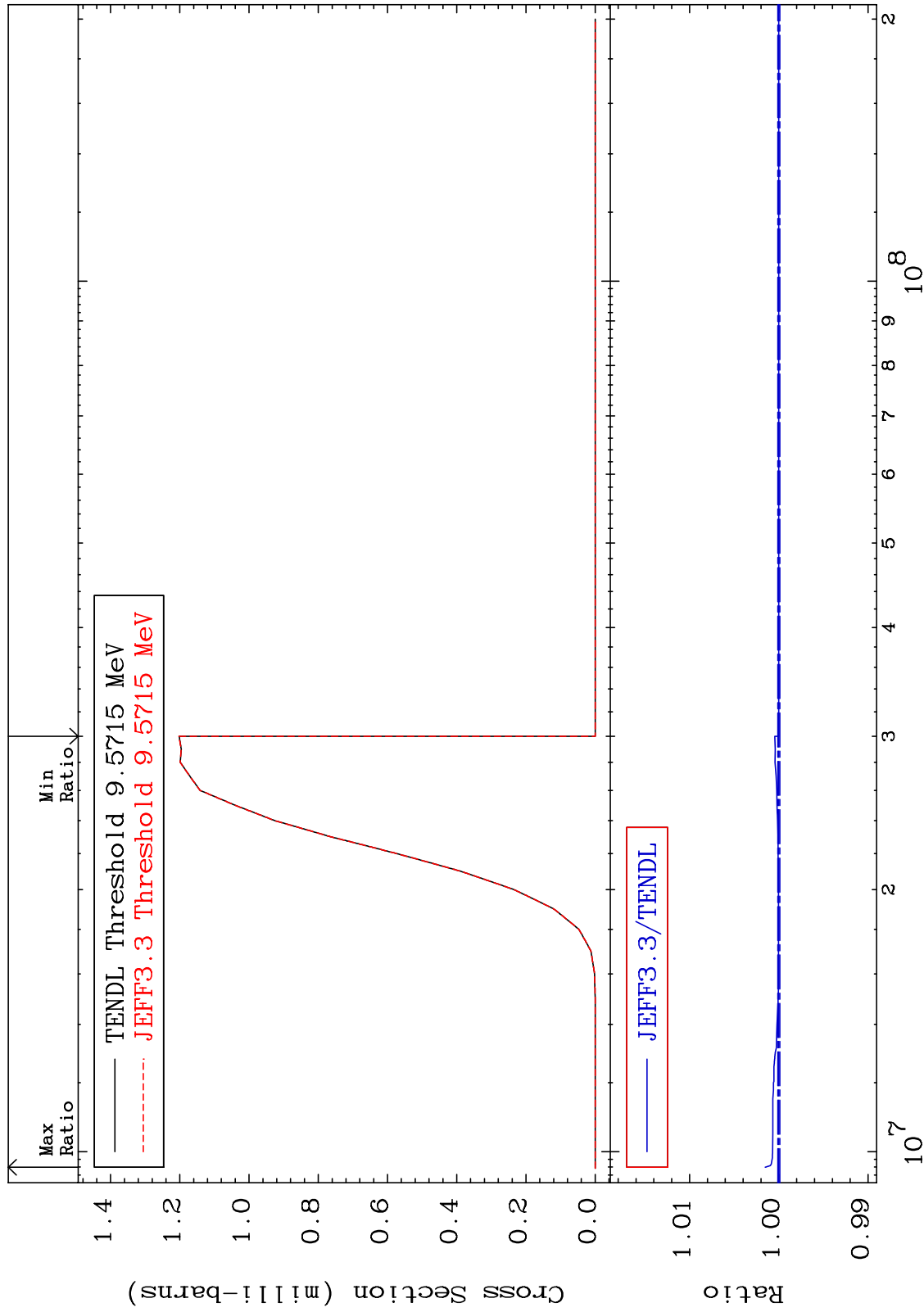


MAT 5249

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

52-Te-128

Radionuclide Production Cross Section 0.000 To 0.153 %



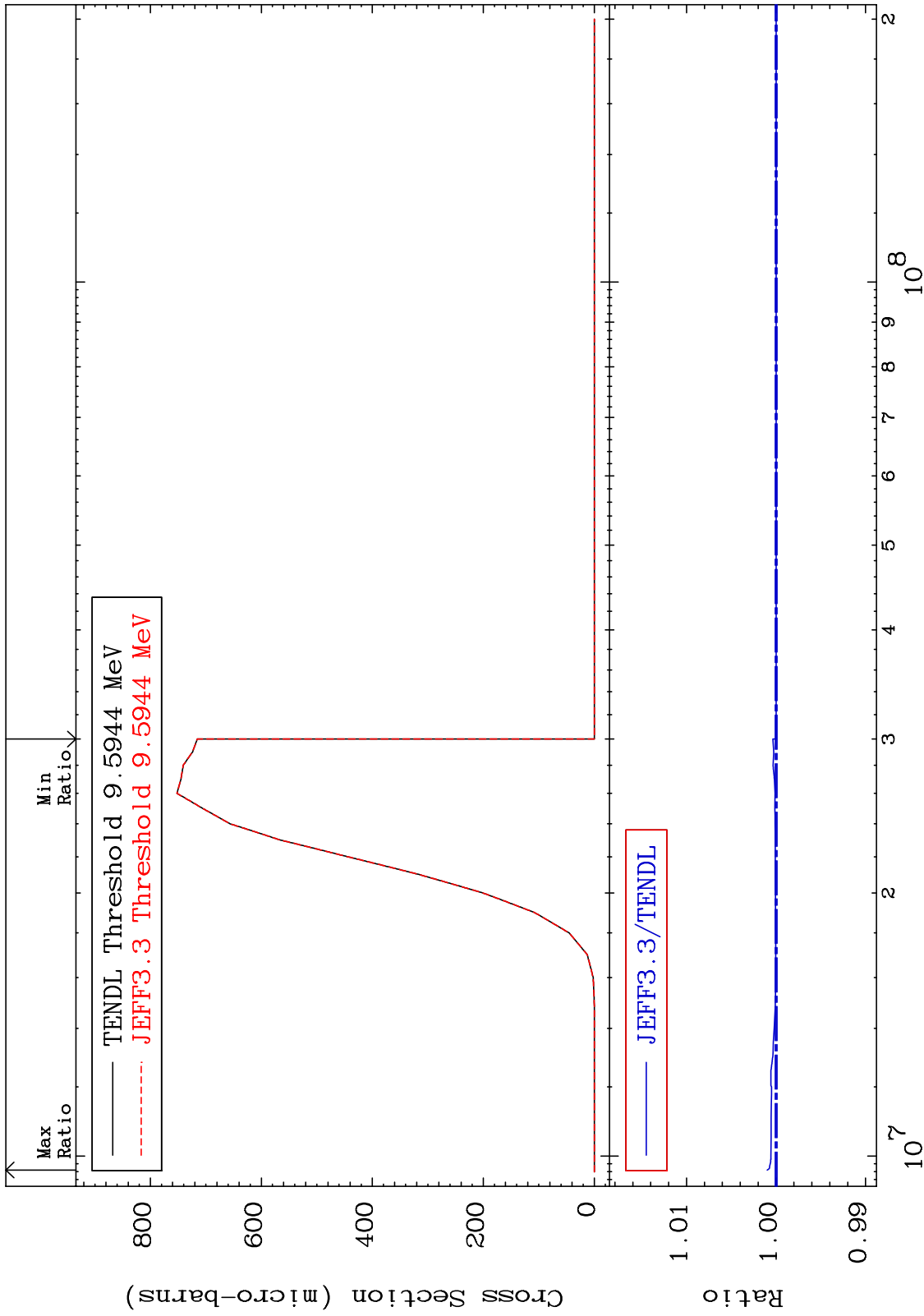
92

Incident Energy (eV)

52-Te-128

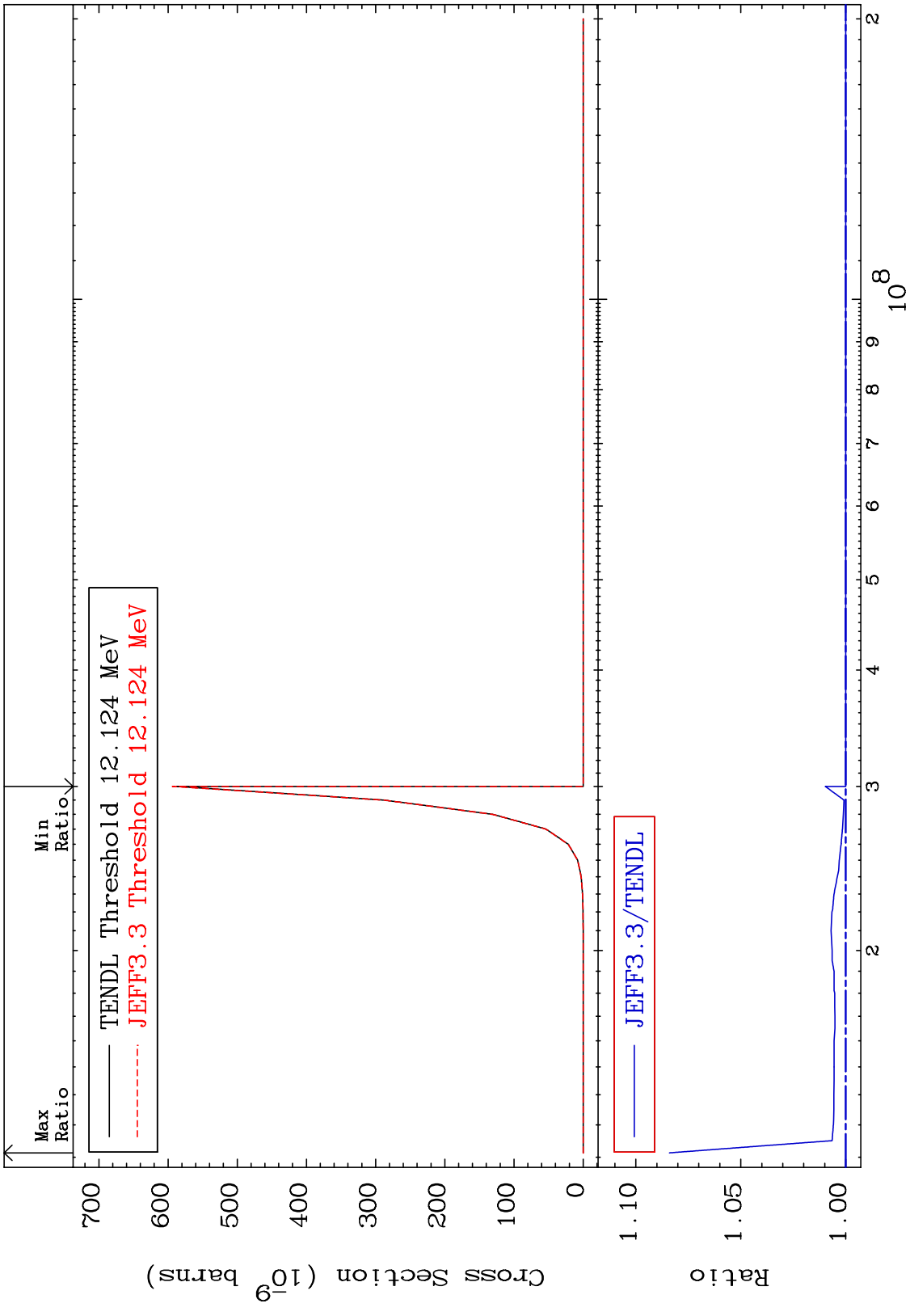
MAT 5249 (n, t): 51-Sb-126m2 52-Te-128

Radionuclide Production Cross Section 0.000 To 0.099 %

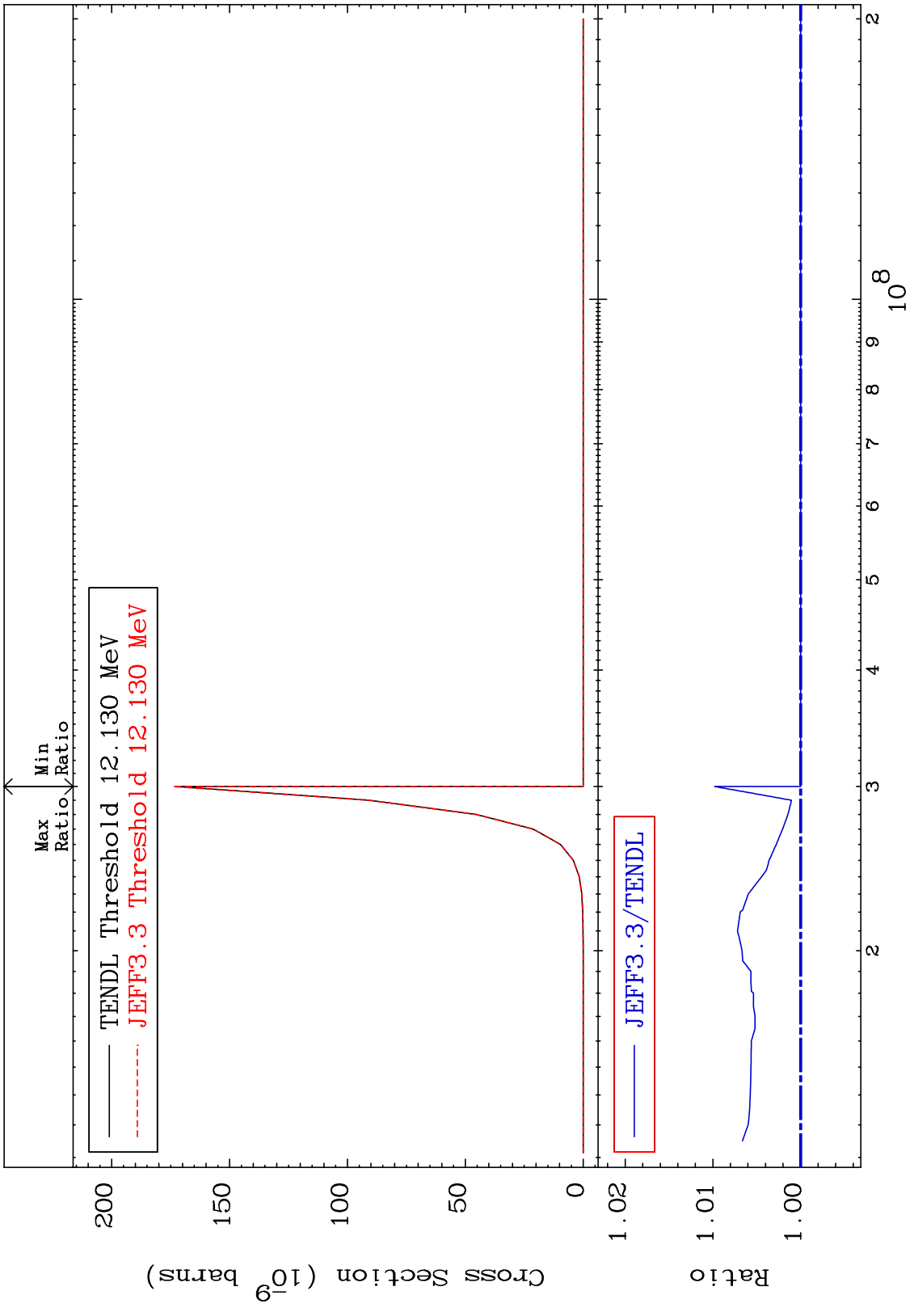


93 52-Te-128

MAT 5249 (n,2p):50-Sn-127g 52-Te-128
 Radionuclide Production Cross Section 0.000 To 8.398 %



MAT 5249 (n,2p):50-Sn-127m1 52-Te-128
 Radionuclide Production Cross Section 0.000 To 0.980 %

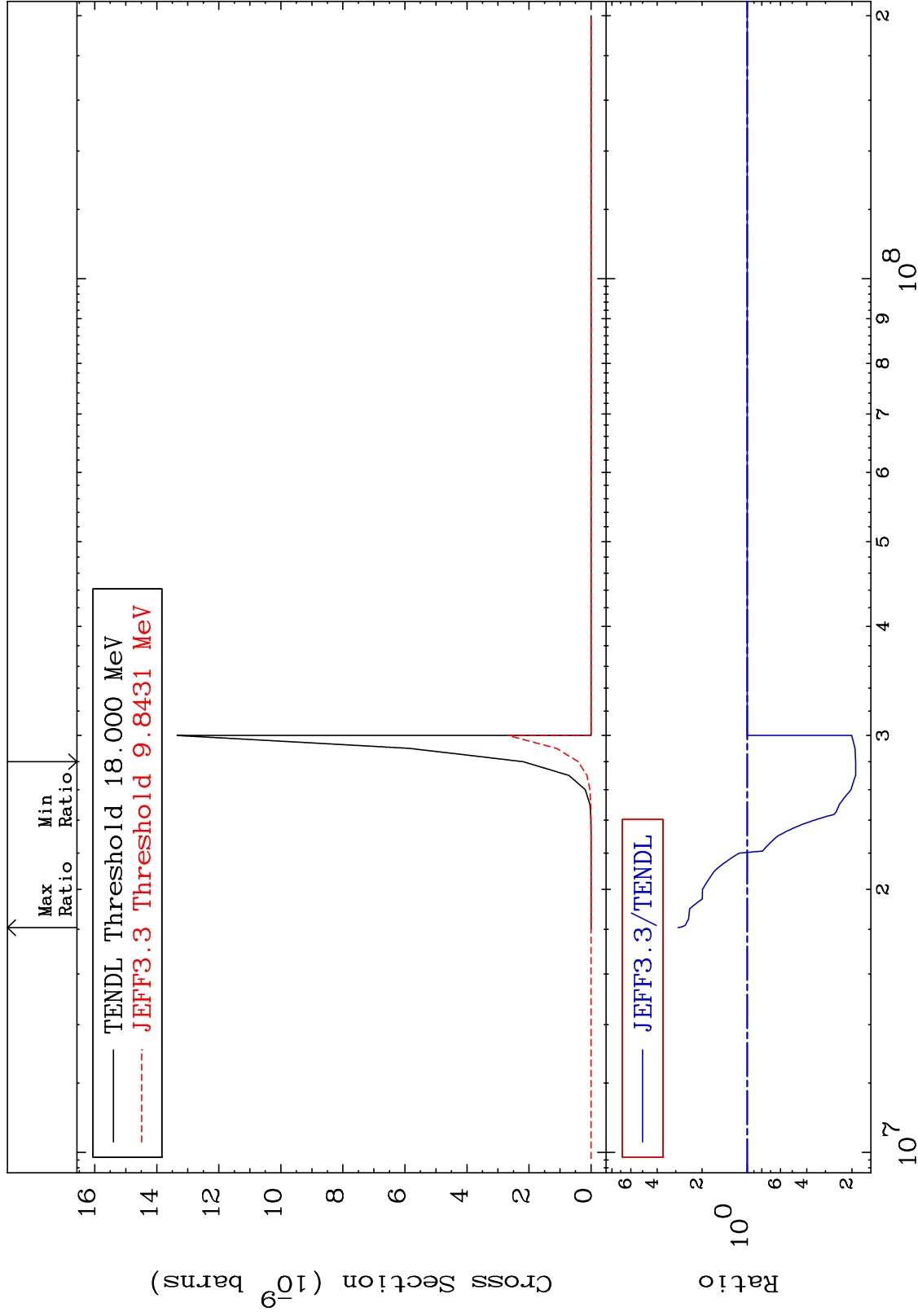


MAT 5249

(n,p) α : 49-In-124g

52-Te-128

Radionuclide Production Cross Section -81.14 To 189.9 %



96

Incident Energy (eV)

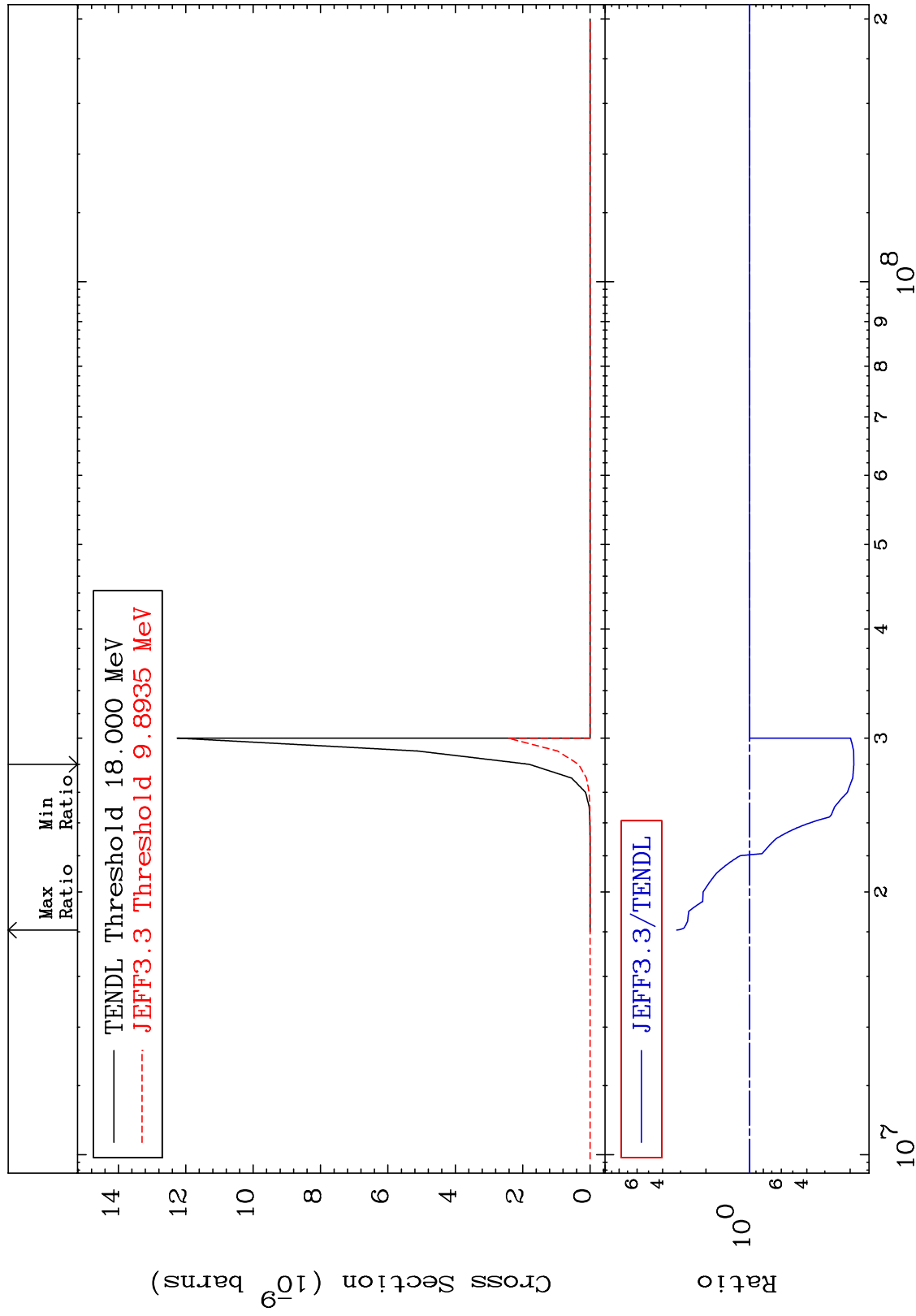
52-Te-128

MAT 5249

(n,p) α :49-In-124m2

52-Te-128

Radionuclide Production Cross Section -81.14 To 218.8 %

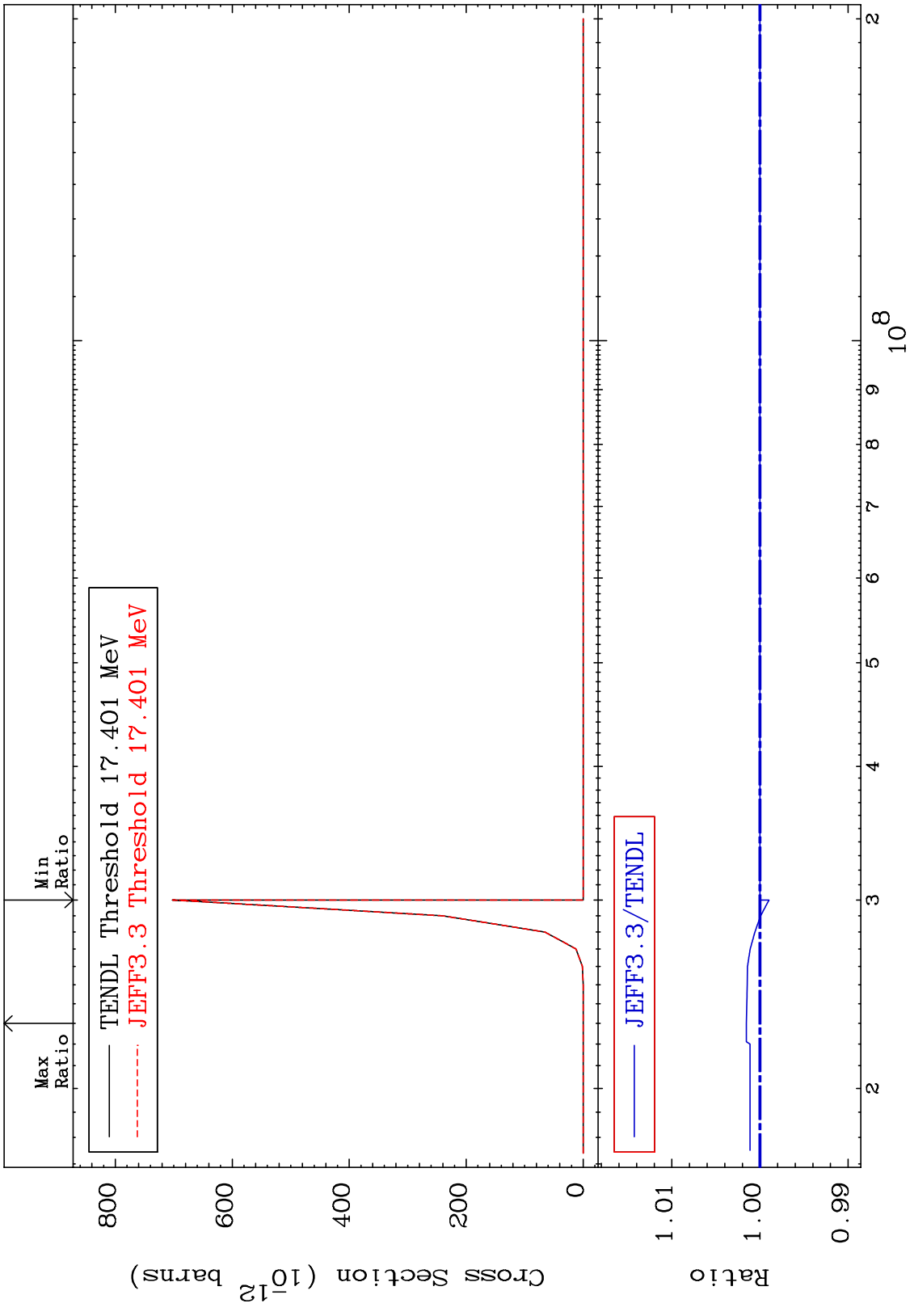


97

Incident Energy (eV)

52-Te-128

MAT 5249 (n,p) t:50-Sn-125g 52-Te-128
 Radionuclide Production Cross Section -0.102 To 0.156 %



MAT 5249 (n,p) t:50-Sn-125m1 52-Te-128
 Radionuclide Production Cross Section 0.000 To 0.682 %

