

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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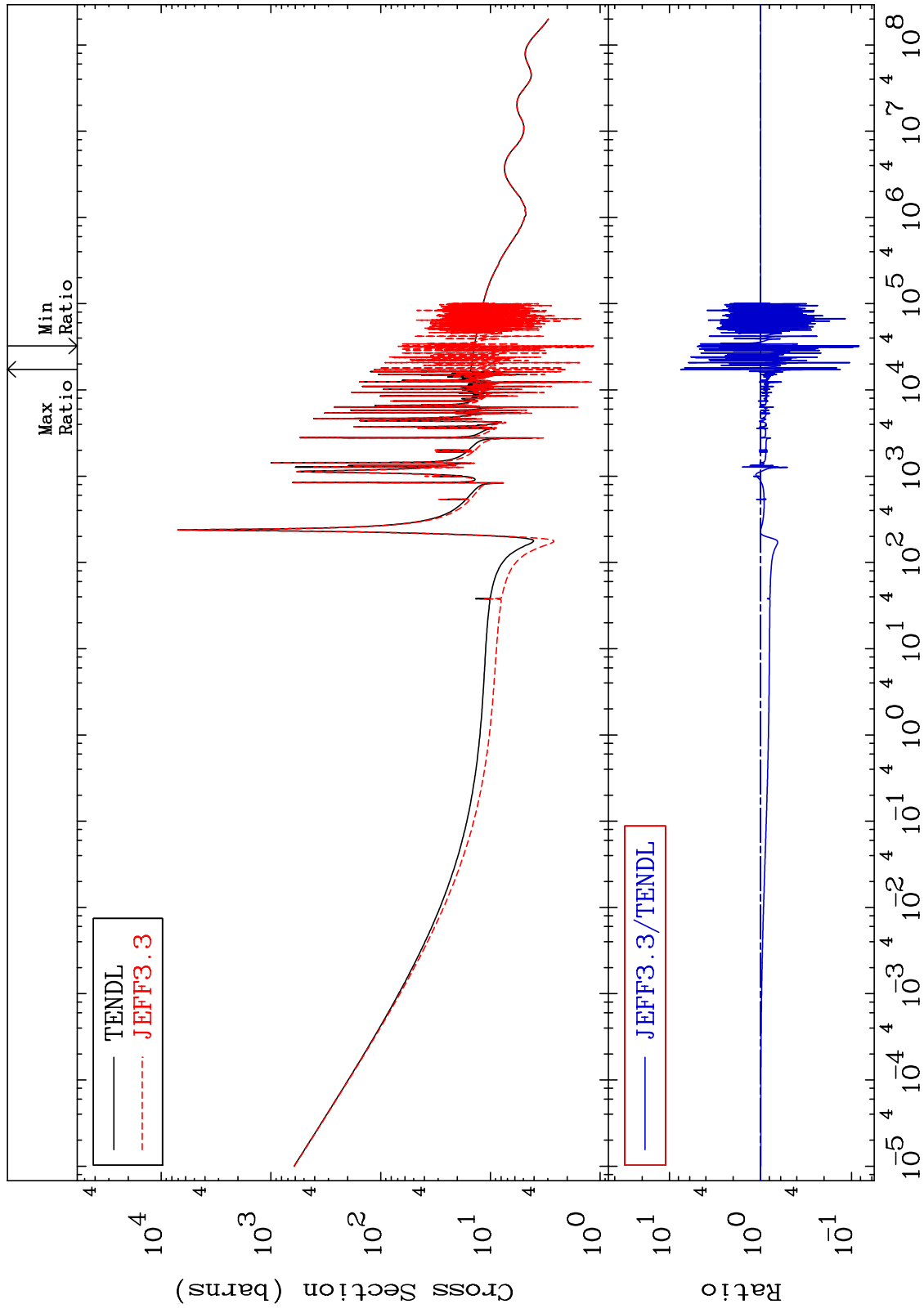
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8125

Total
Cross Section

81-TI-203
-91.72 To 655.5 %



1

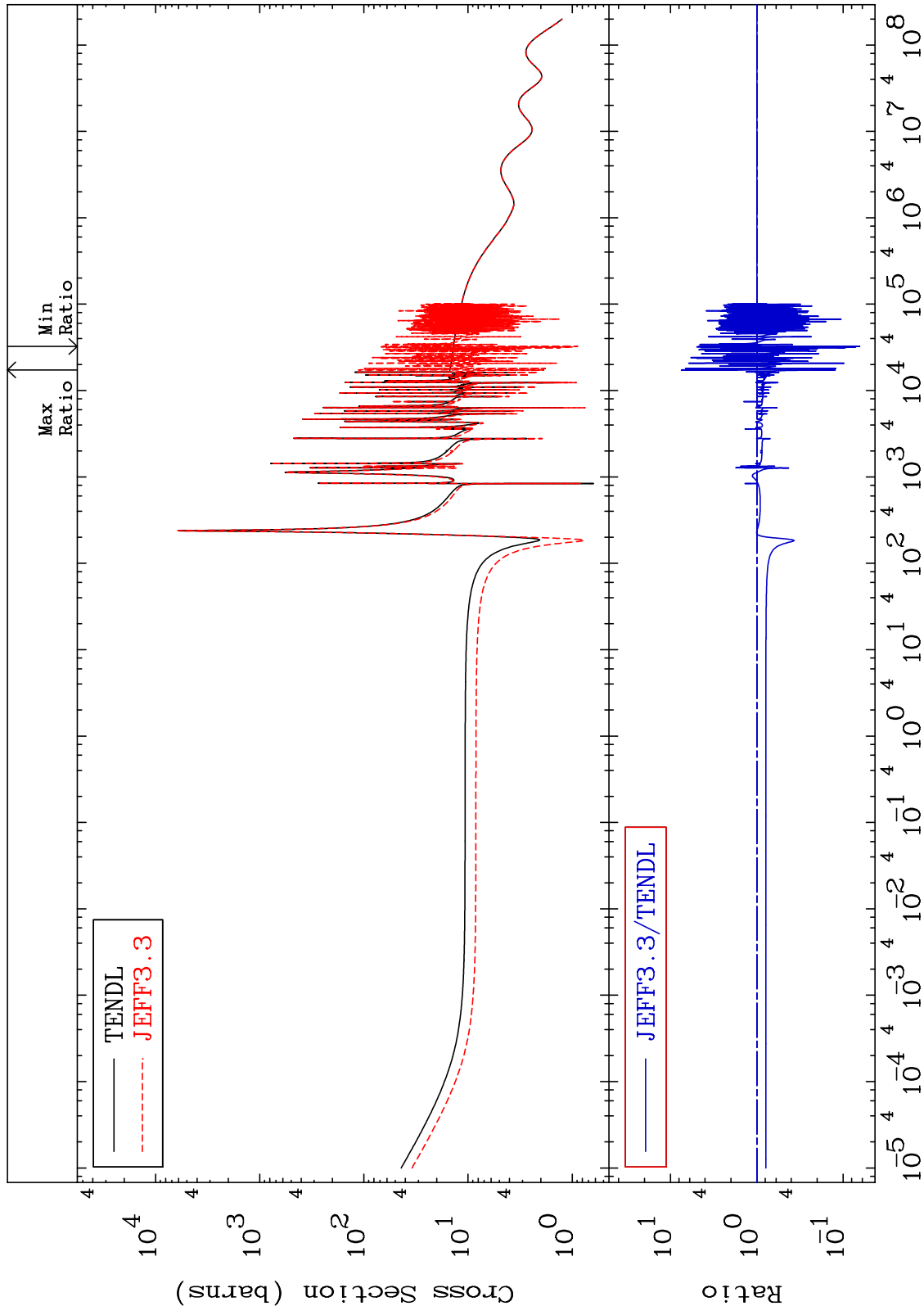
Incident Energy (eV)

81-TI-203

MAT 8125

Elastic
Cross Section

81-TI-203
-93.57 To 652.2 %

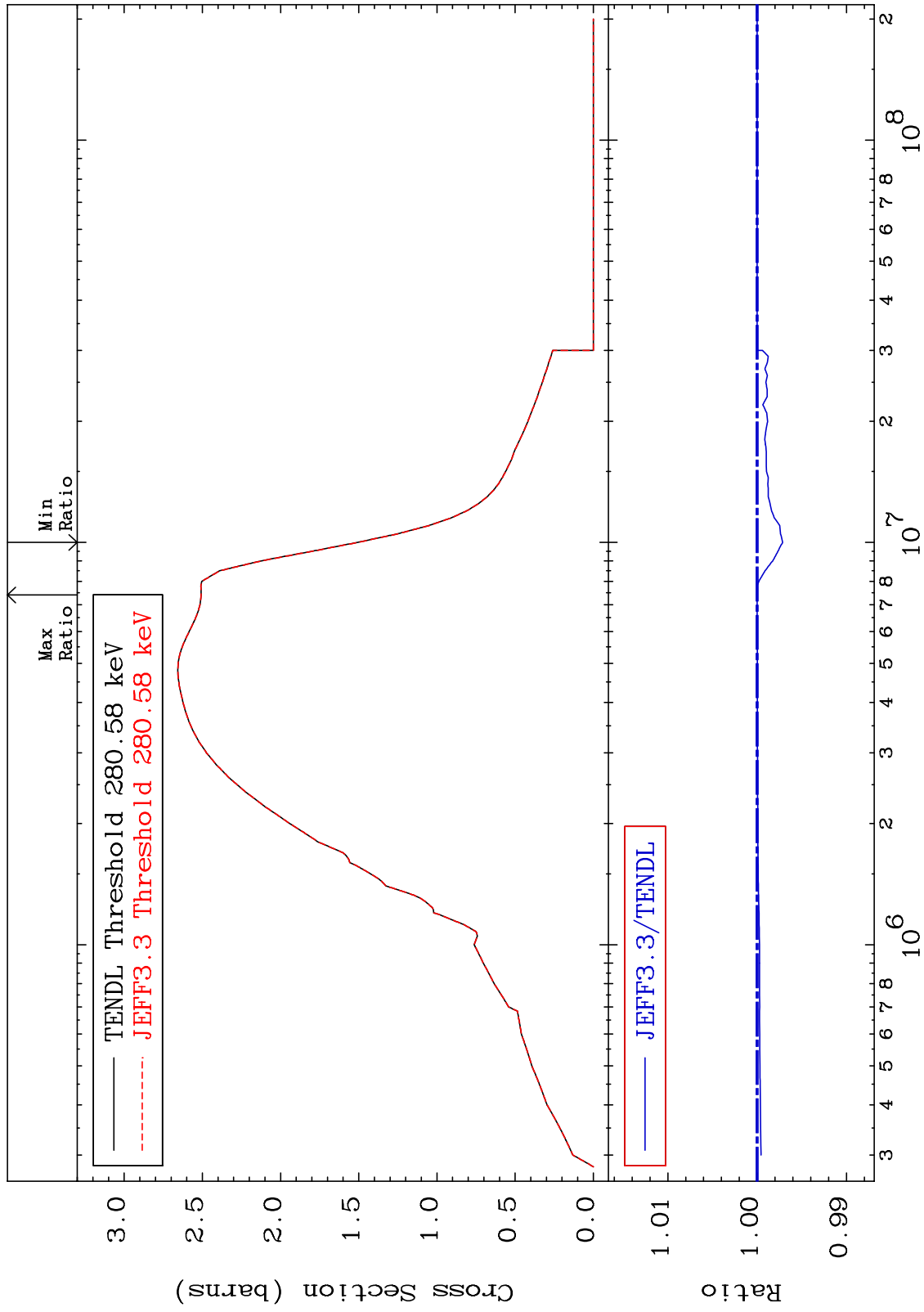


2

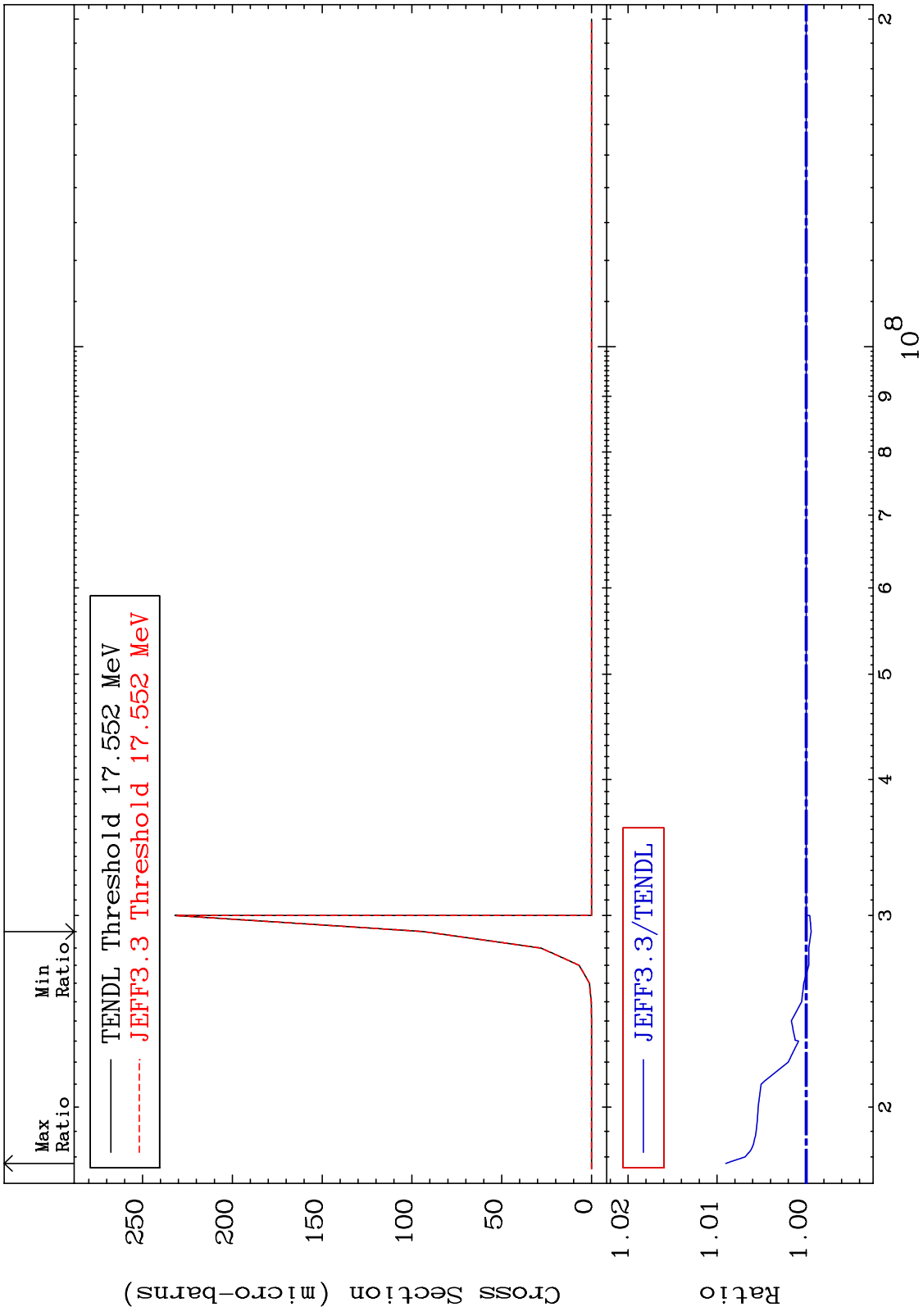
Incident Energy (eV)

81-TI-203

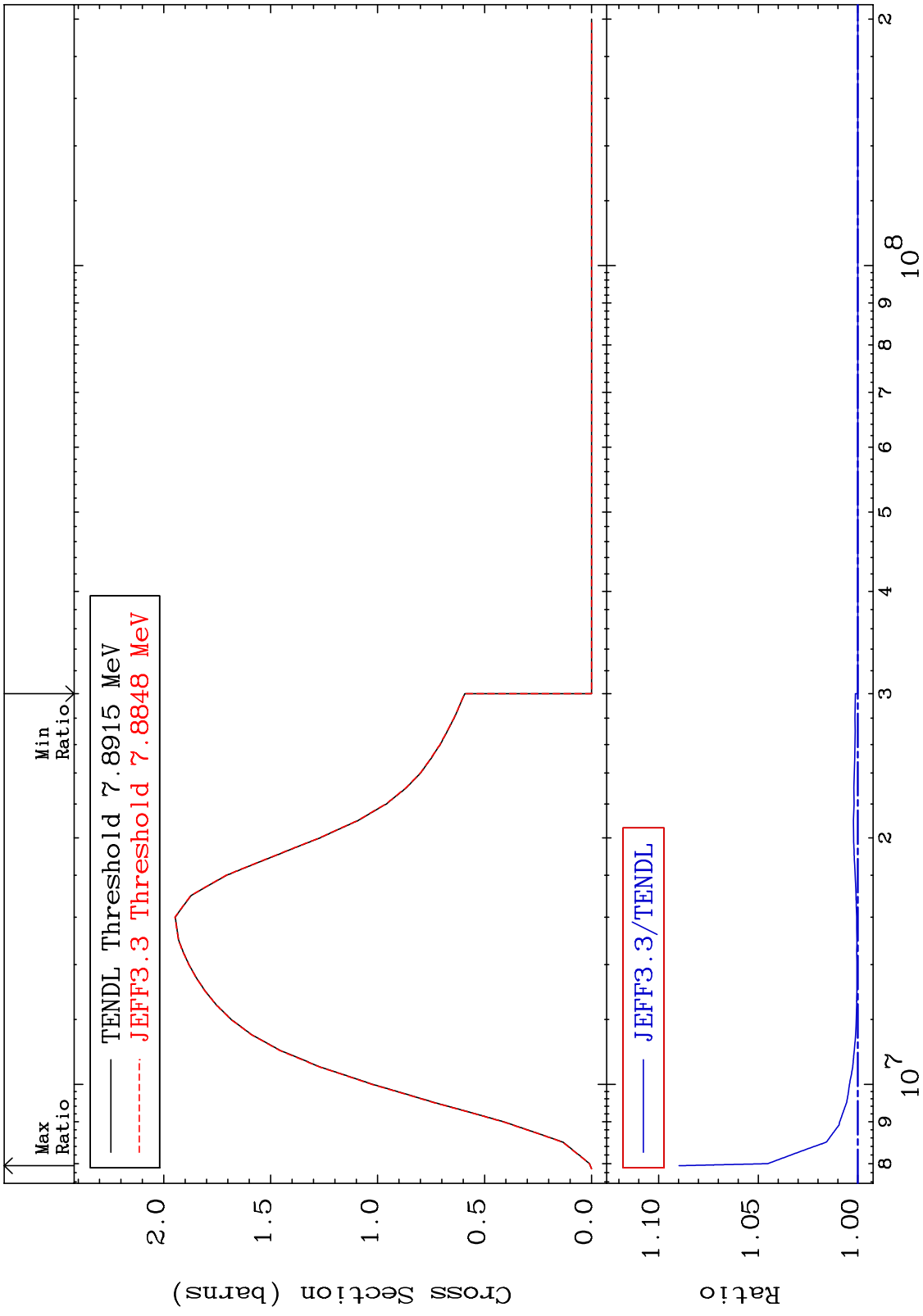
Inelastic Cross Section



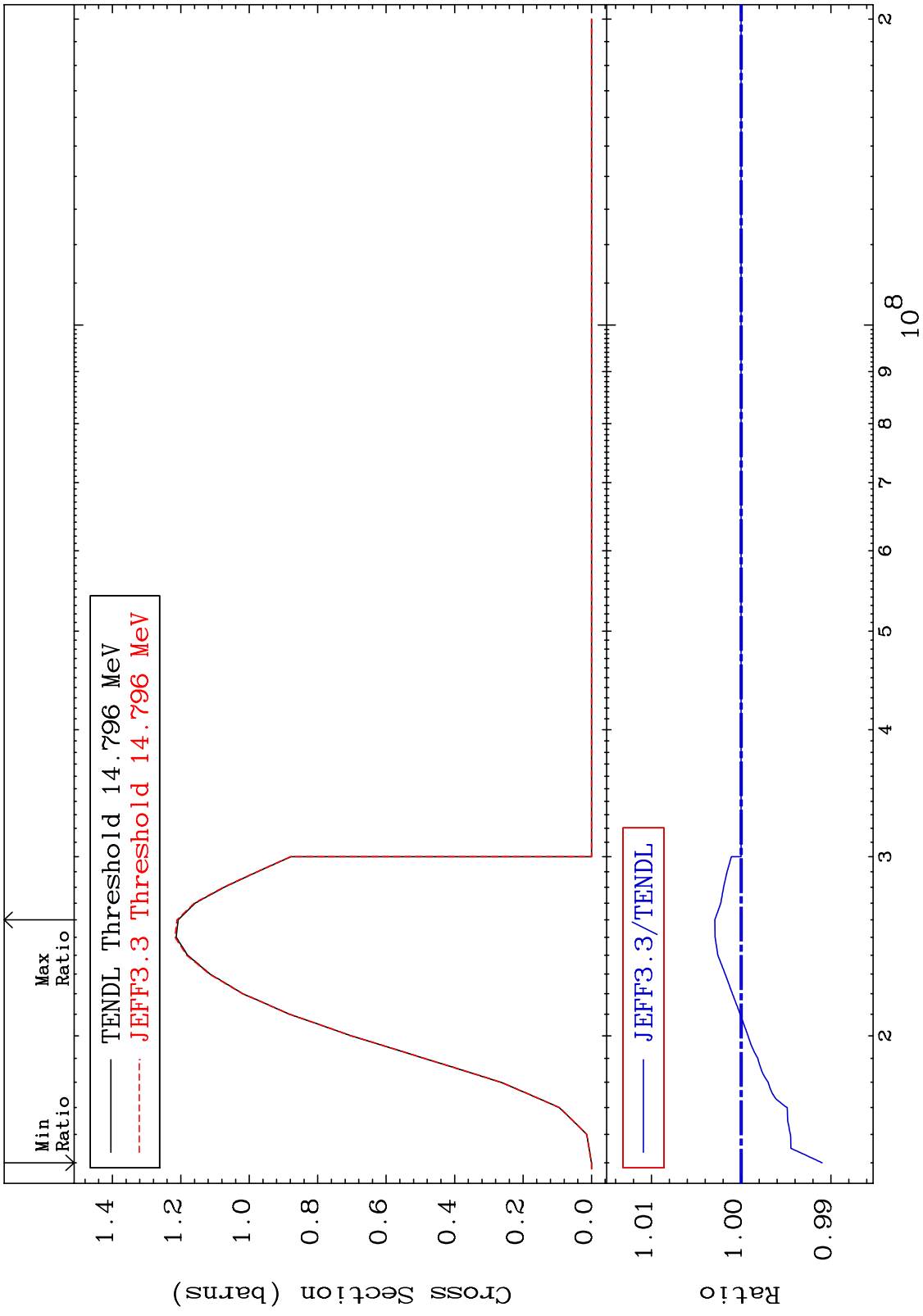
MAT 8125 (n,2n) d 81-Tl-203
 Cross Section -0.056 To 0.903 %



MAT 8125 (n,2n) Cross Section 81-Tl-203 To 8.975 %



81-Tl-203



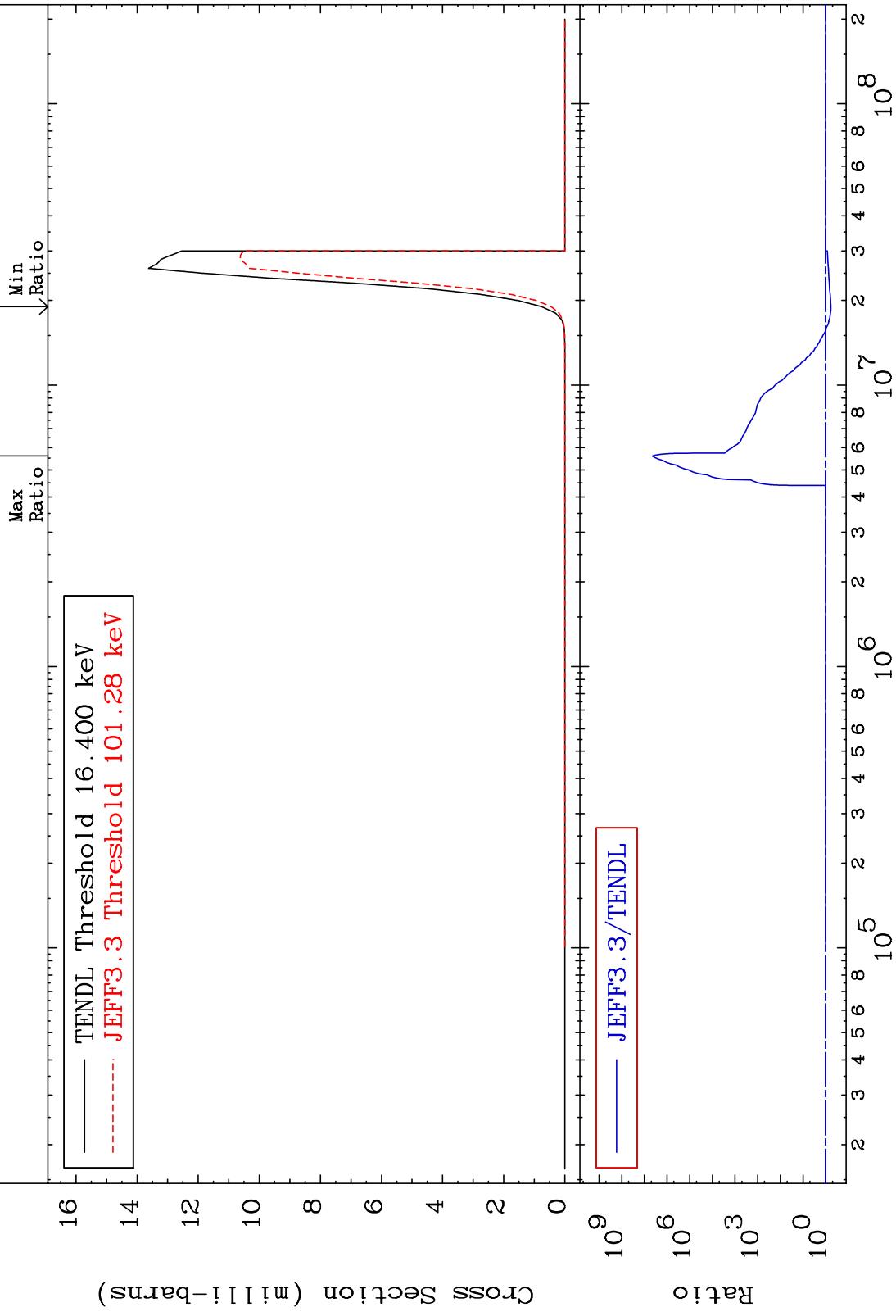
MAT 8125

(n, n') α

81-Tl-203

-40.94 To 9999. %

Cross Section



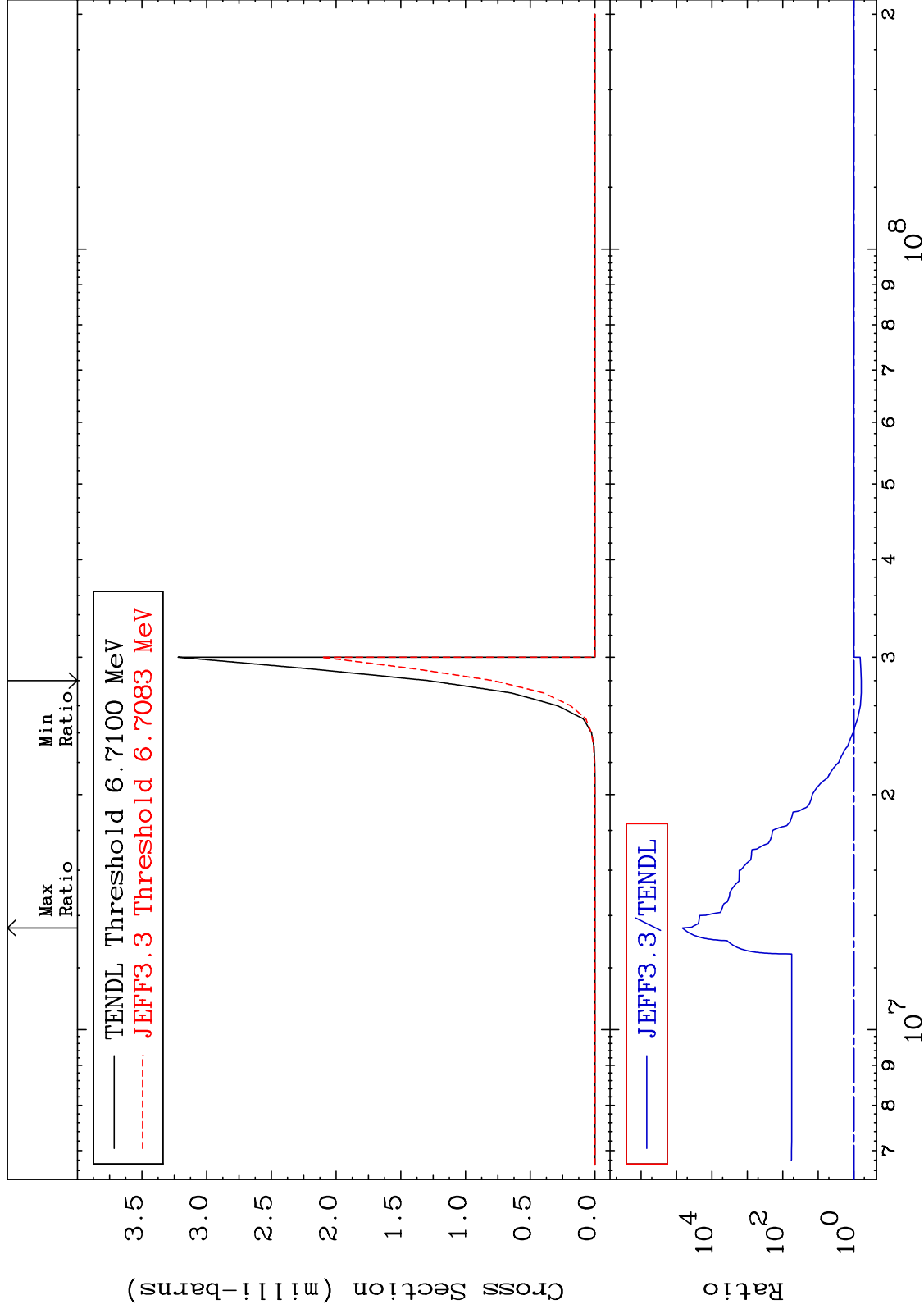
MAT 8125

(n,2n) α

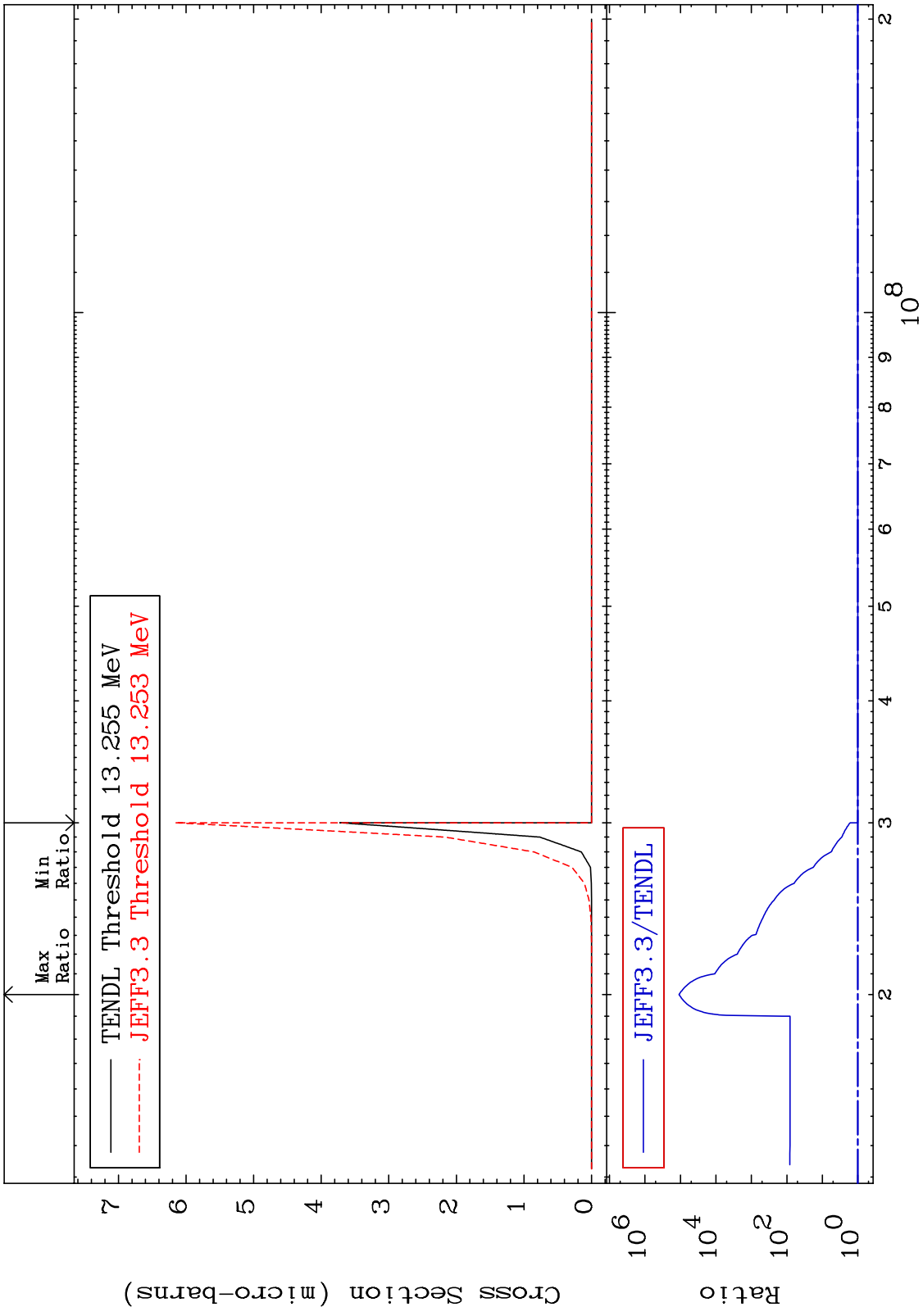
81-Tl-203

-38.88 To 9999. %

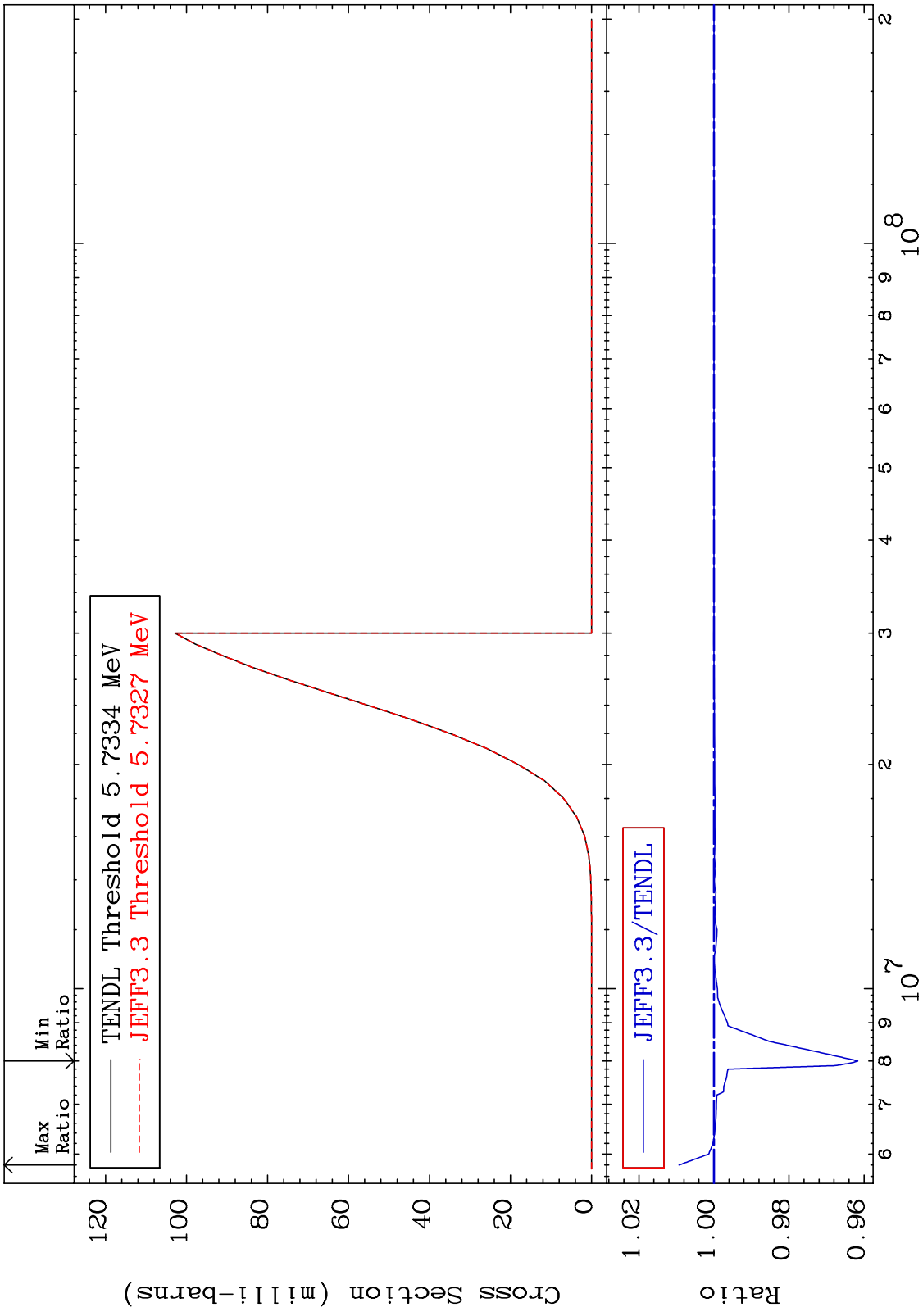
Cross Section



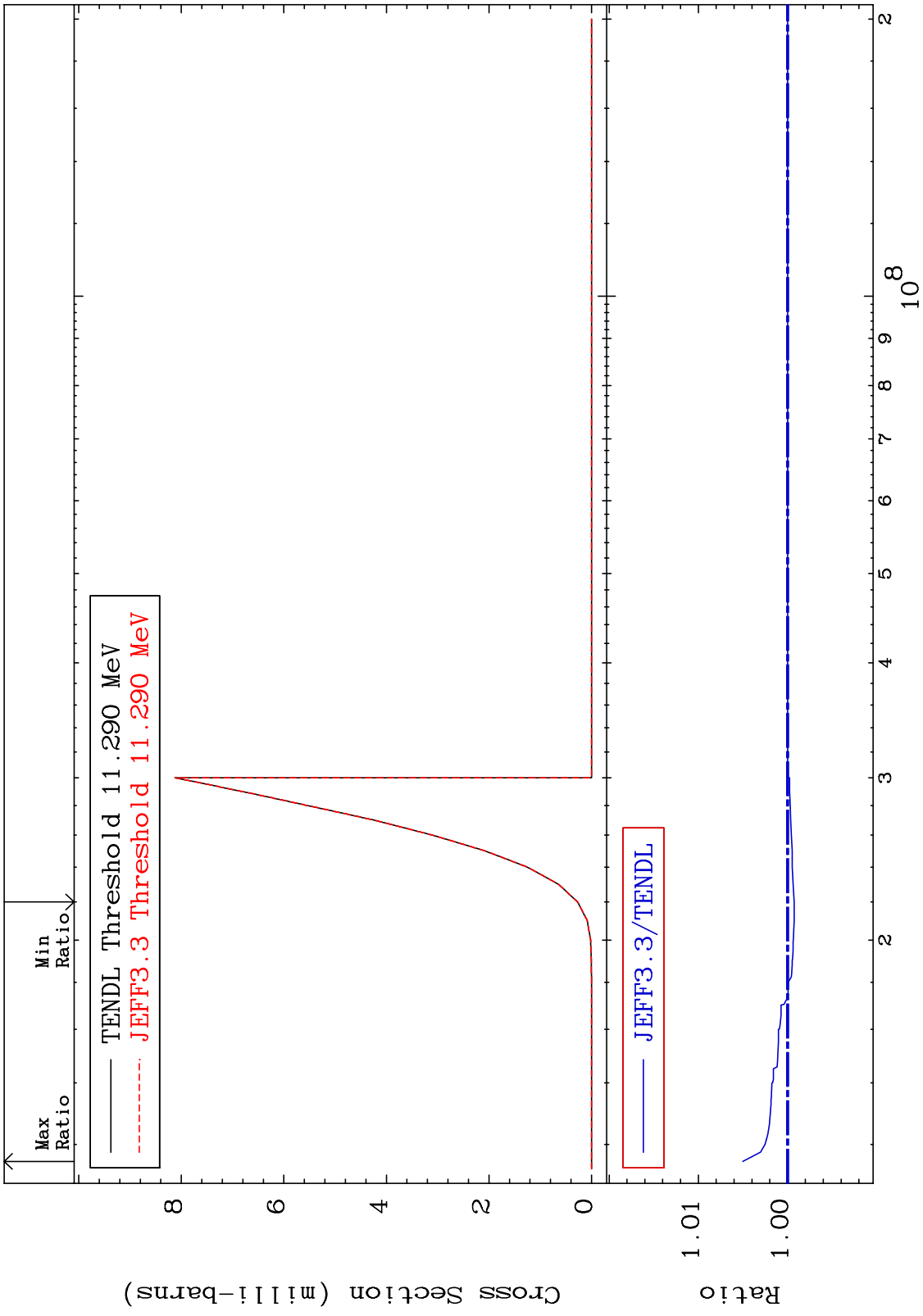
MAT 8125 $(n, 3n) \alpha$ 81-Tl-203
 Cross Section 0.000 To 9999. %



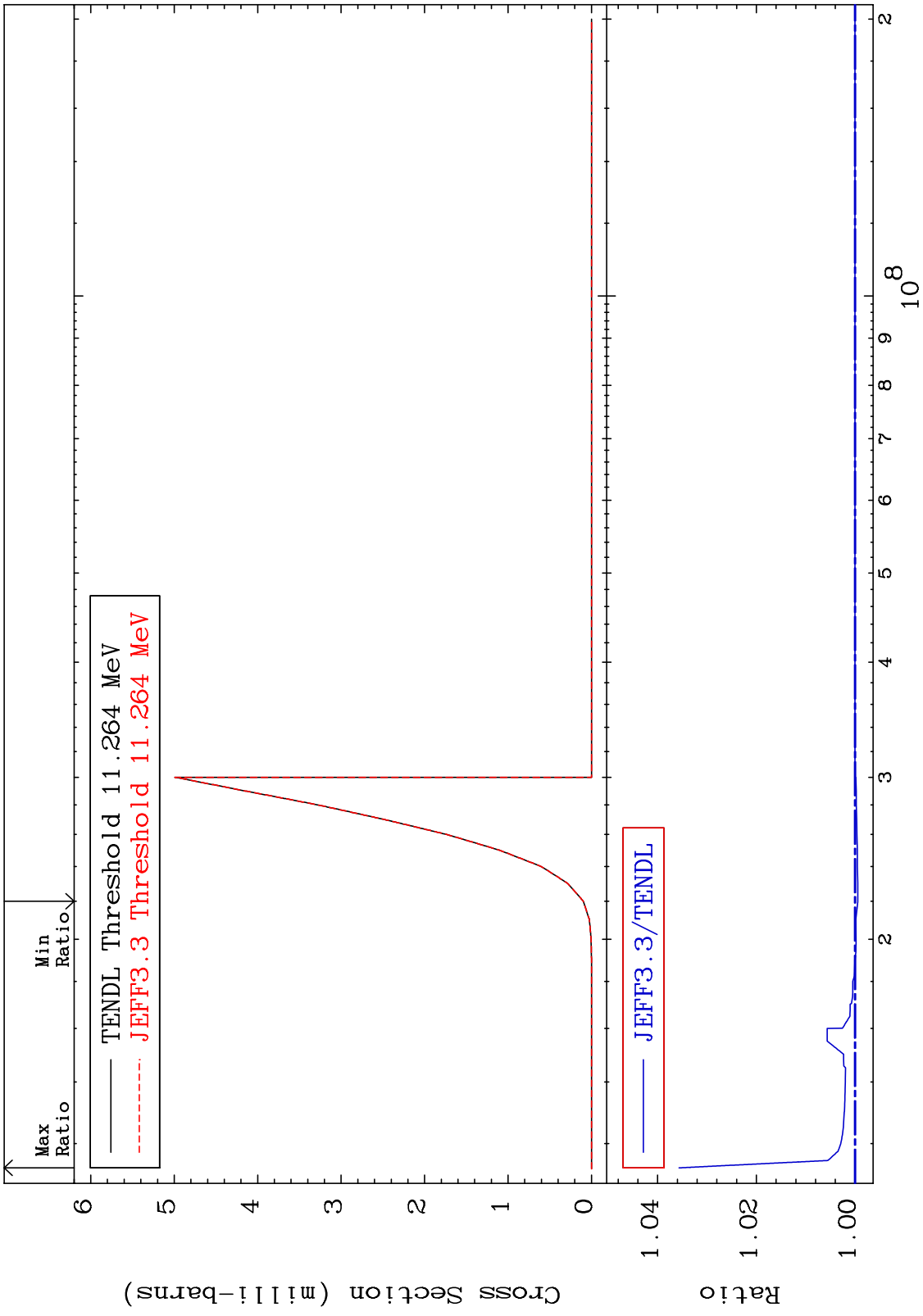
MAT 8125 (n,n') p 81-Tl-203
Cross Section -3.834 To 0.930 %



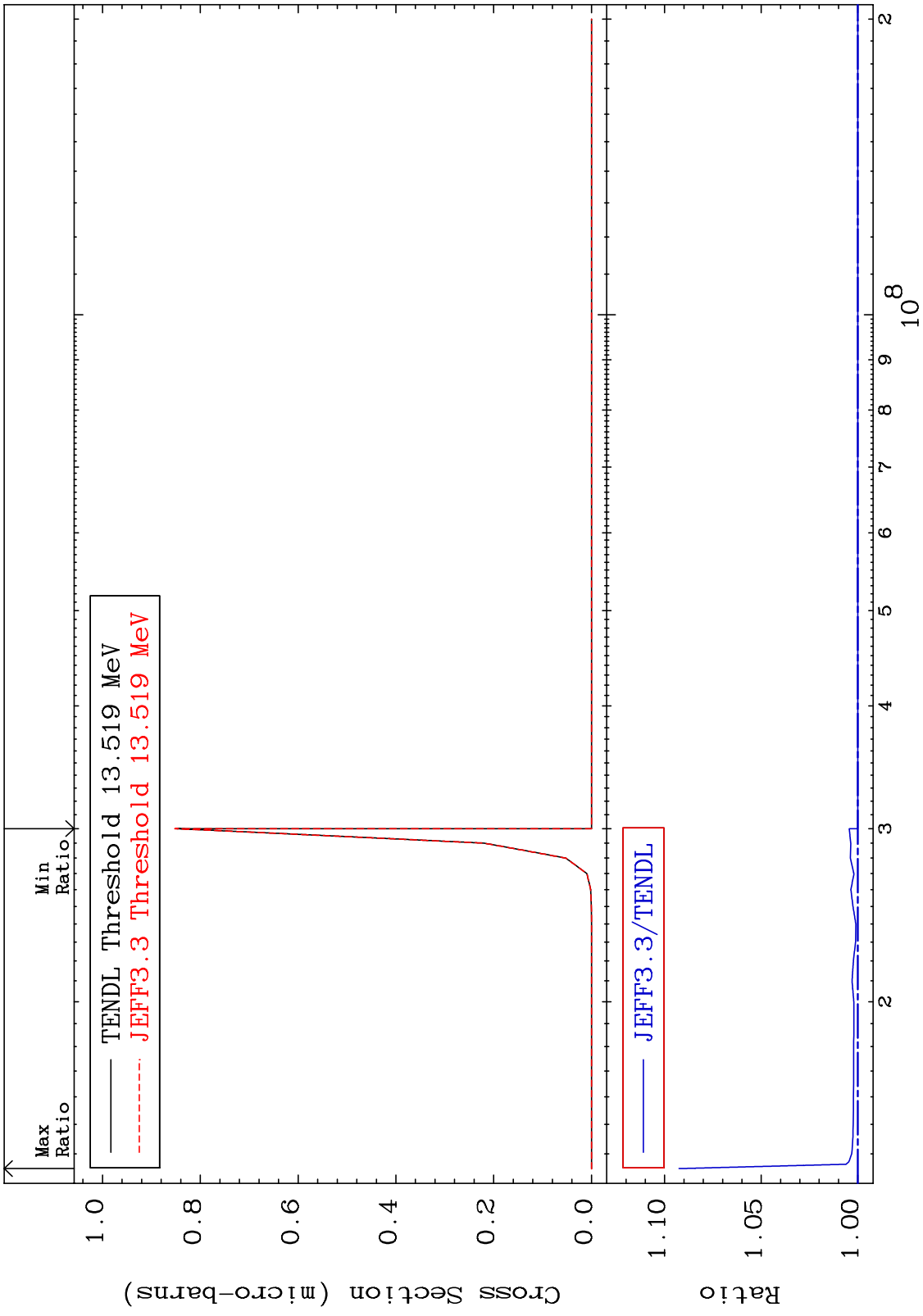
10 Incident Energy (eV) 81-Tl-203



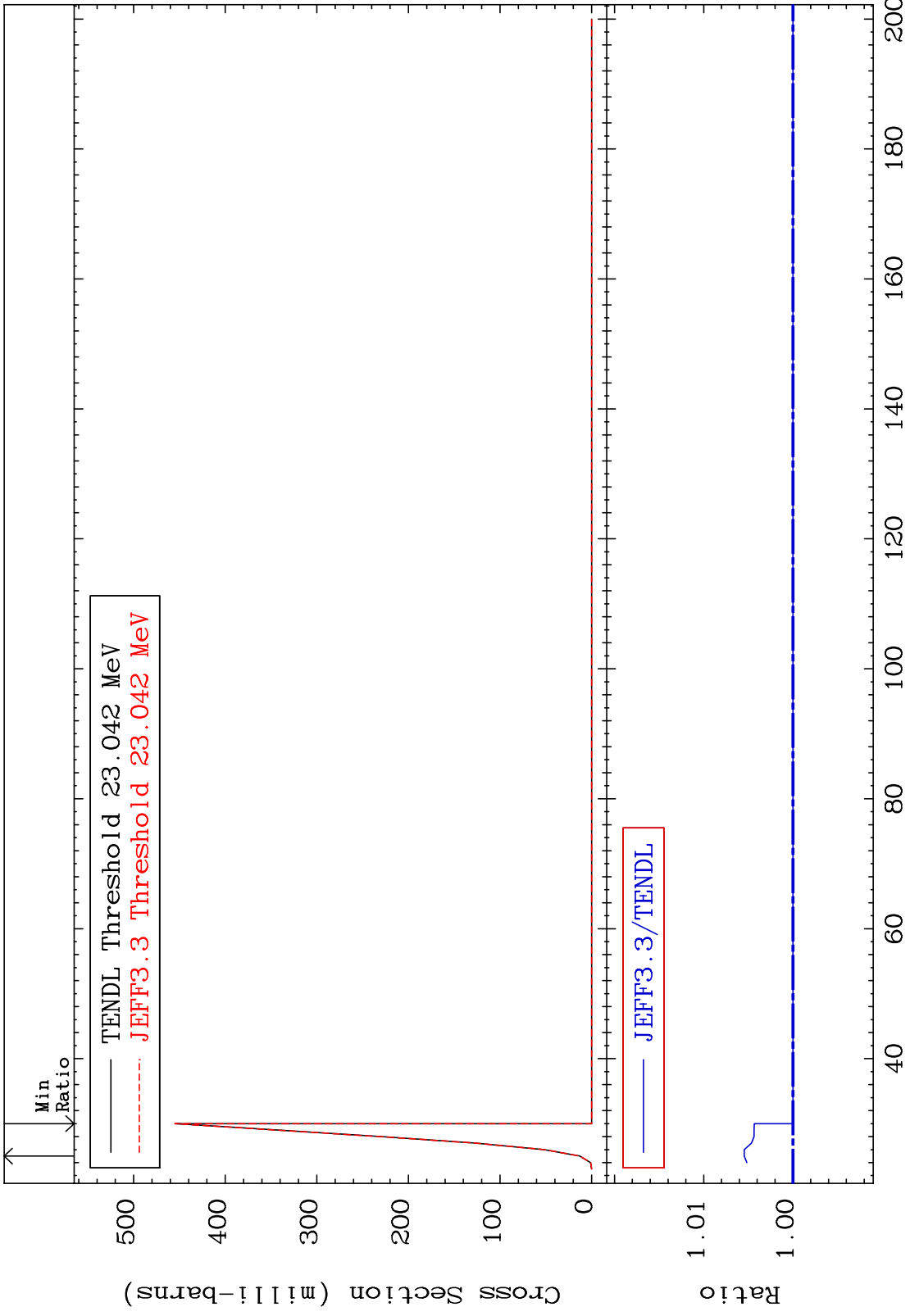
MAT 8125 (n,n') t 81-Tl-203
 Cross Section -0.057 To 3.566 %



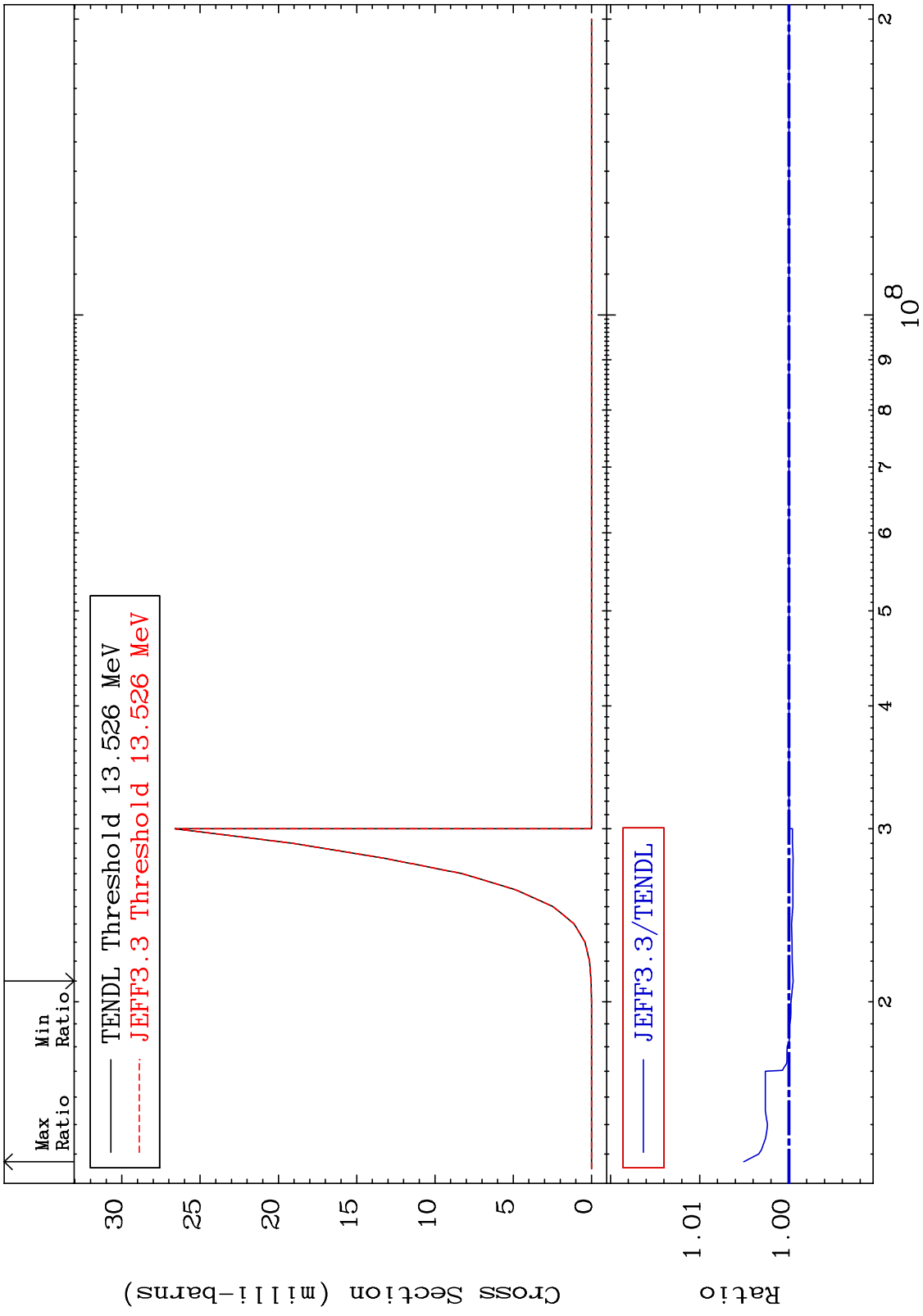
MAT 8125 (n, n') He-3 81-Tl-203
 Cross Section 0.000 To 9.254 %



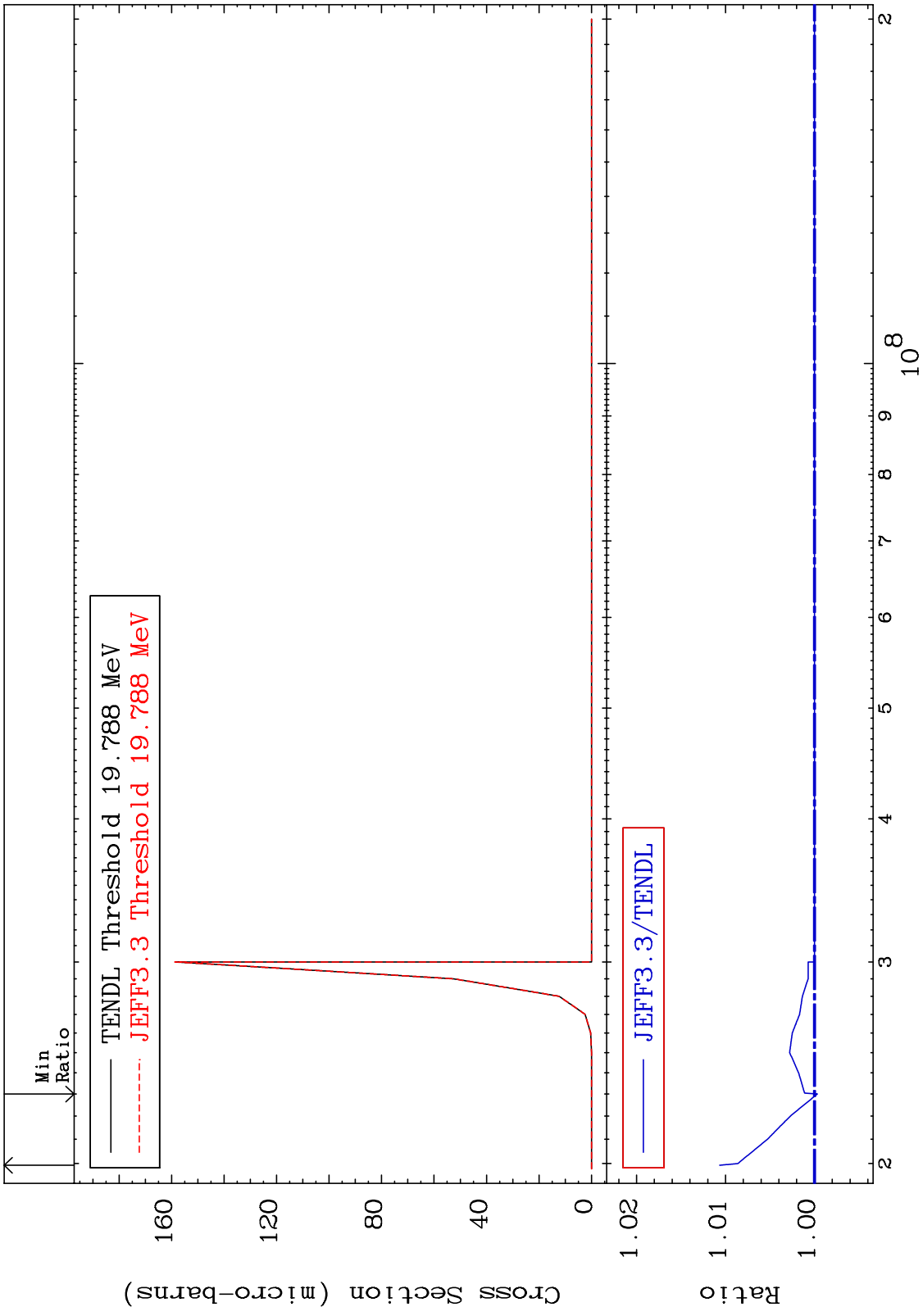
MAT 8125 (n,4n) Cross Section 81-Tl-203 0.000 To 0.546 %



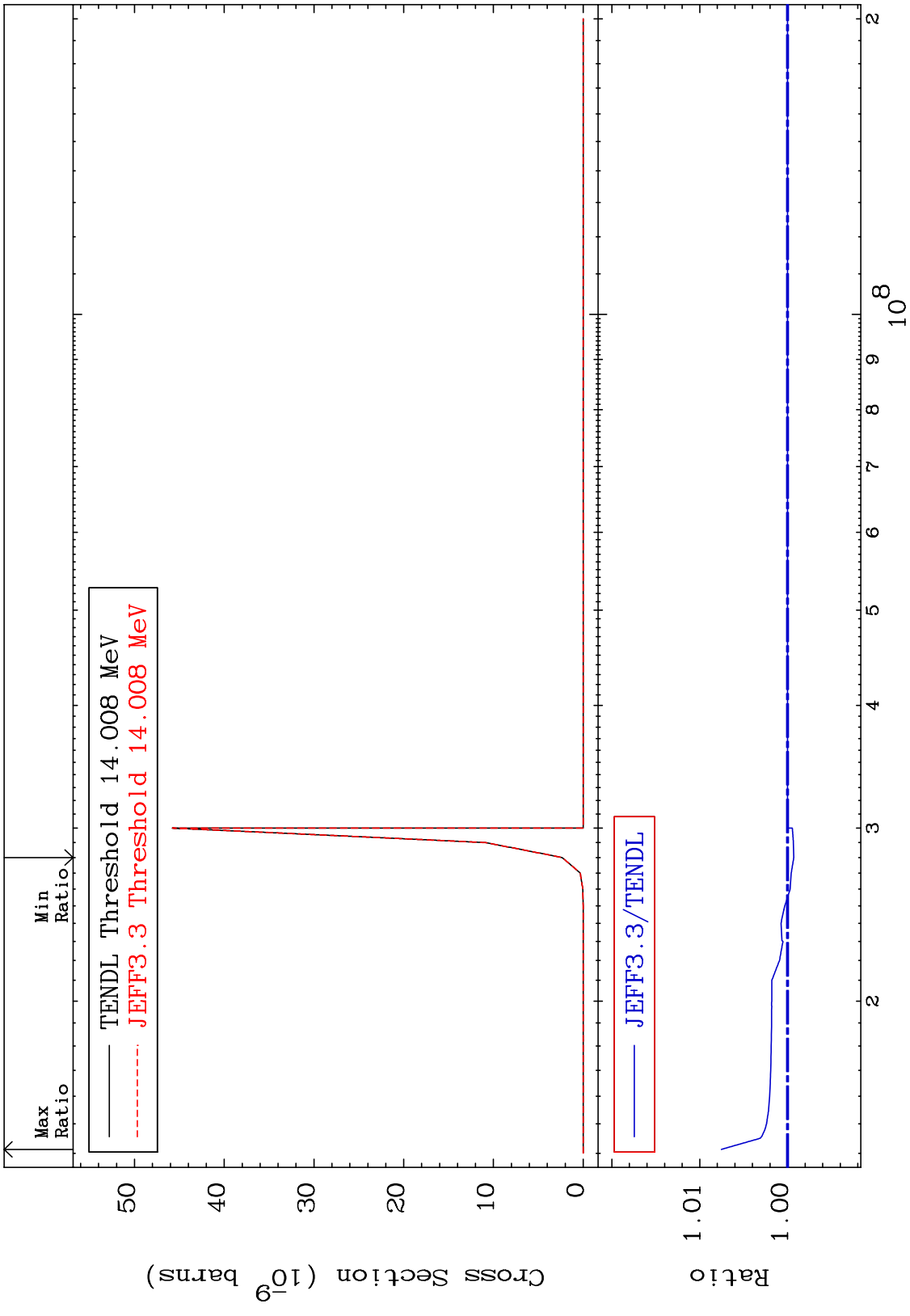
MAT 8125 (n,2n) p 81-Tl-203
 Cross Section -0.048 To 0.506 %



MAT 8125 (n,3n) p 81-Tl-203
 Cross Section -0.032 To 1.067 %



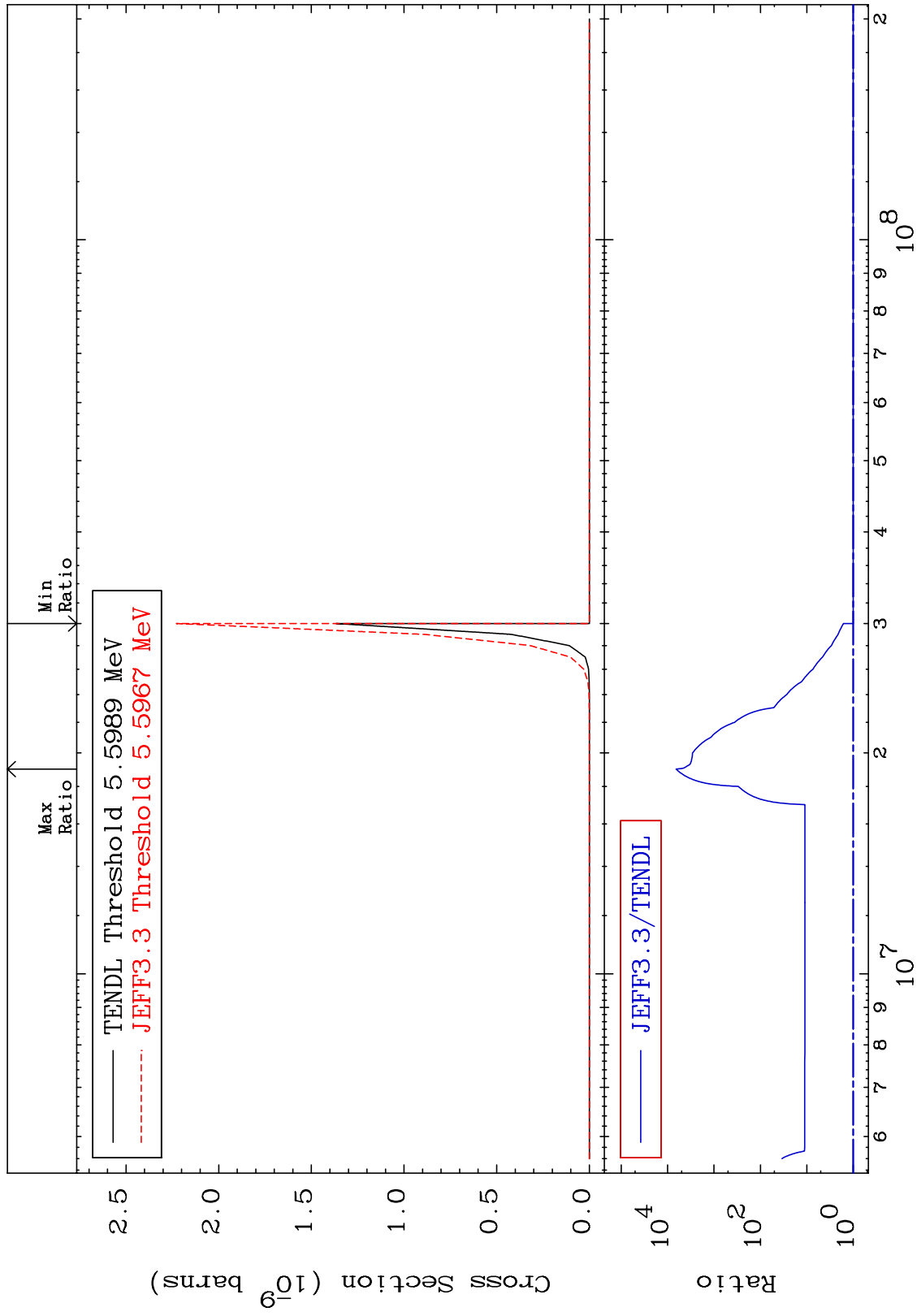
MAT 8125 (n,2n) p 81-Tl-203
 Cross Section -0.071 To 0.753 %



MAT 8125

(n,n') p α
Cross Section

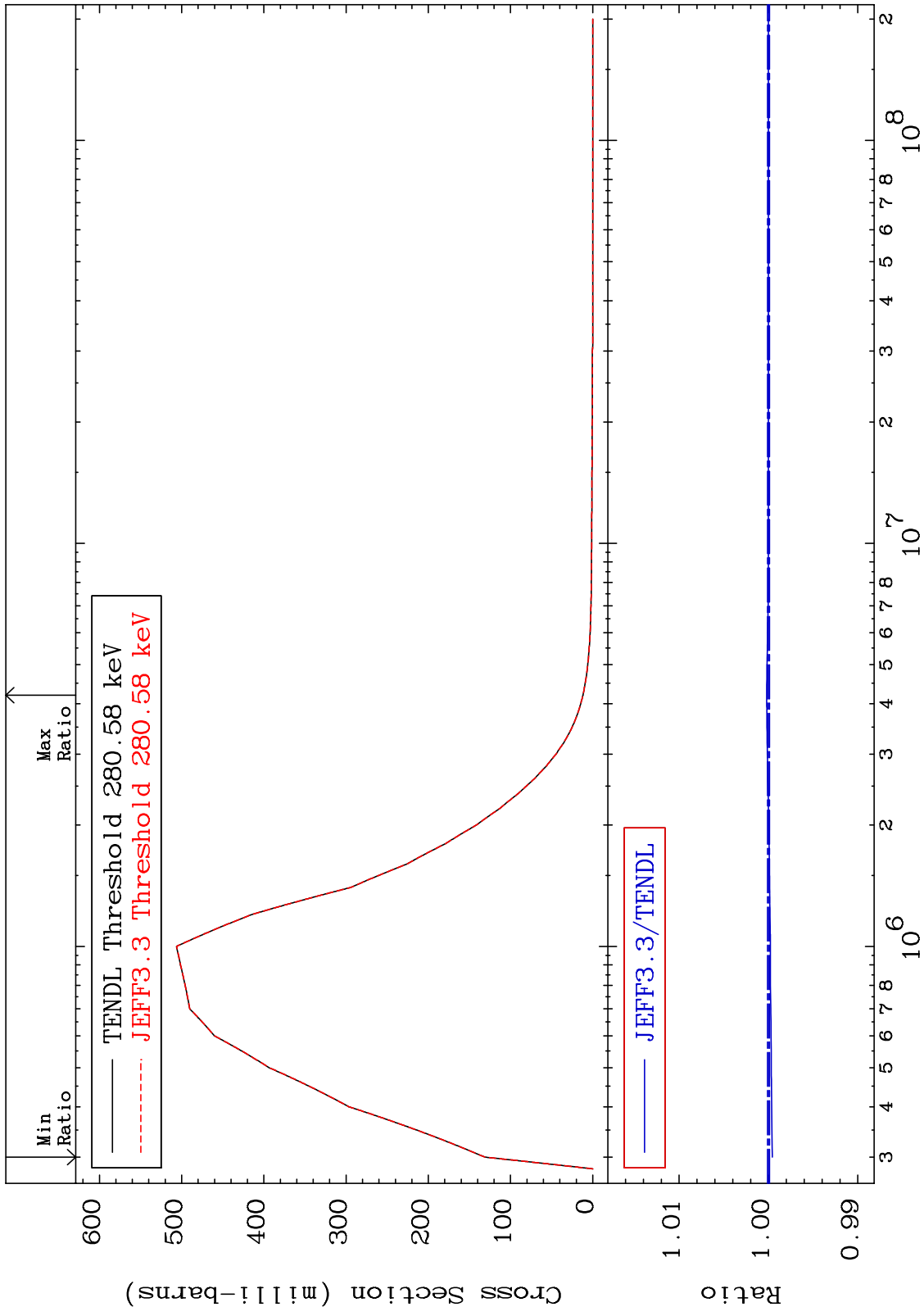
81-TI-203
0.000 To 9999. %



MAT 8125

MT= 51 (n,n') Level
Cross Section

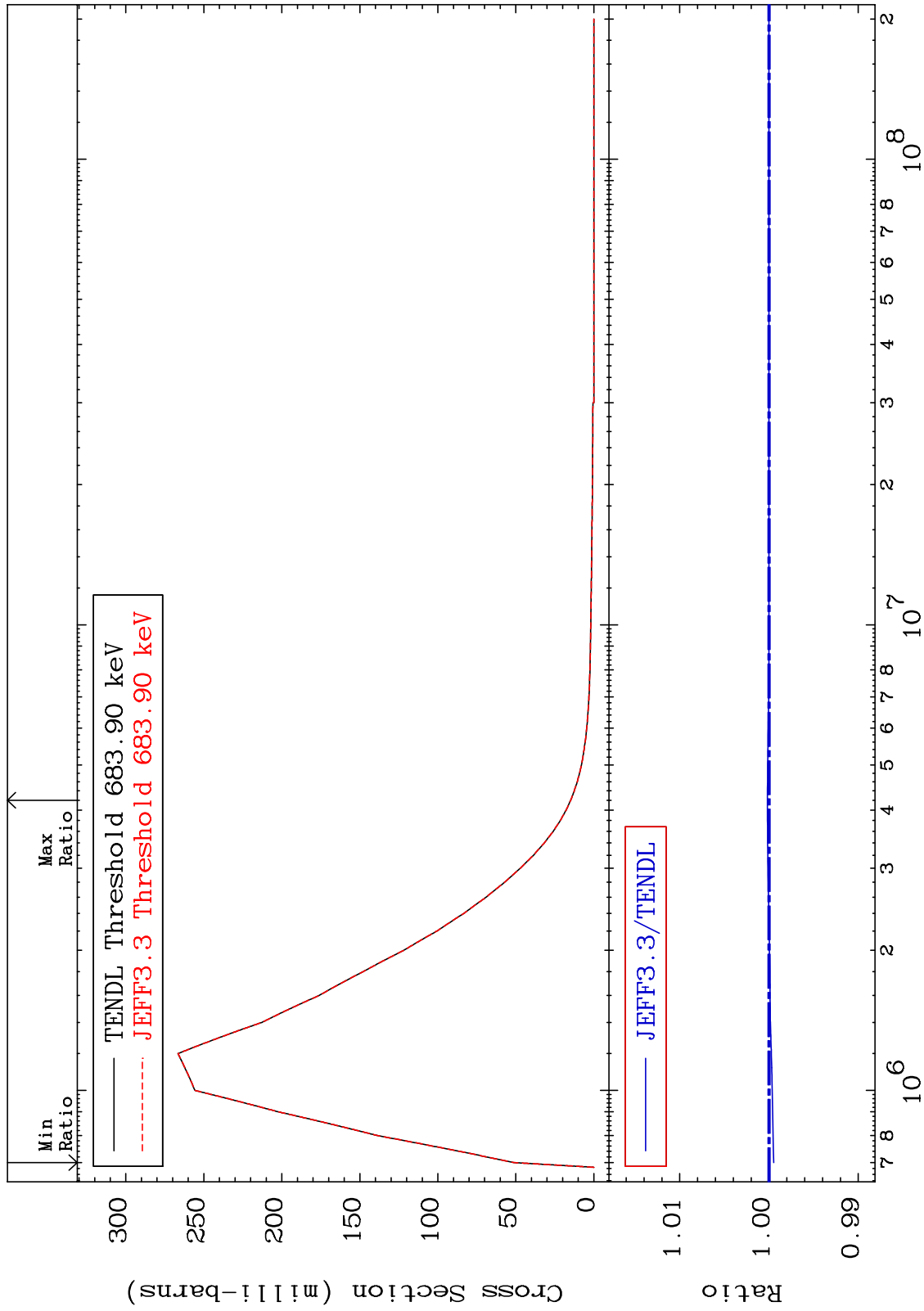
81-TI-203
-0.043 To 0.020 %



MAT 8125

MT= 52 (n,n') Level
Cross Section

81-TI-203
-0.052 To 0.018 %

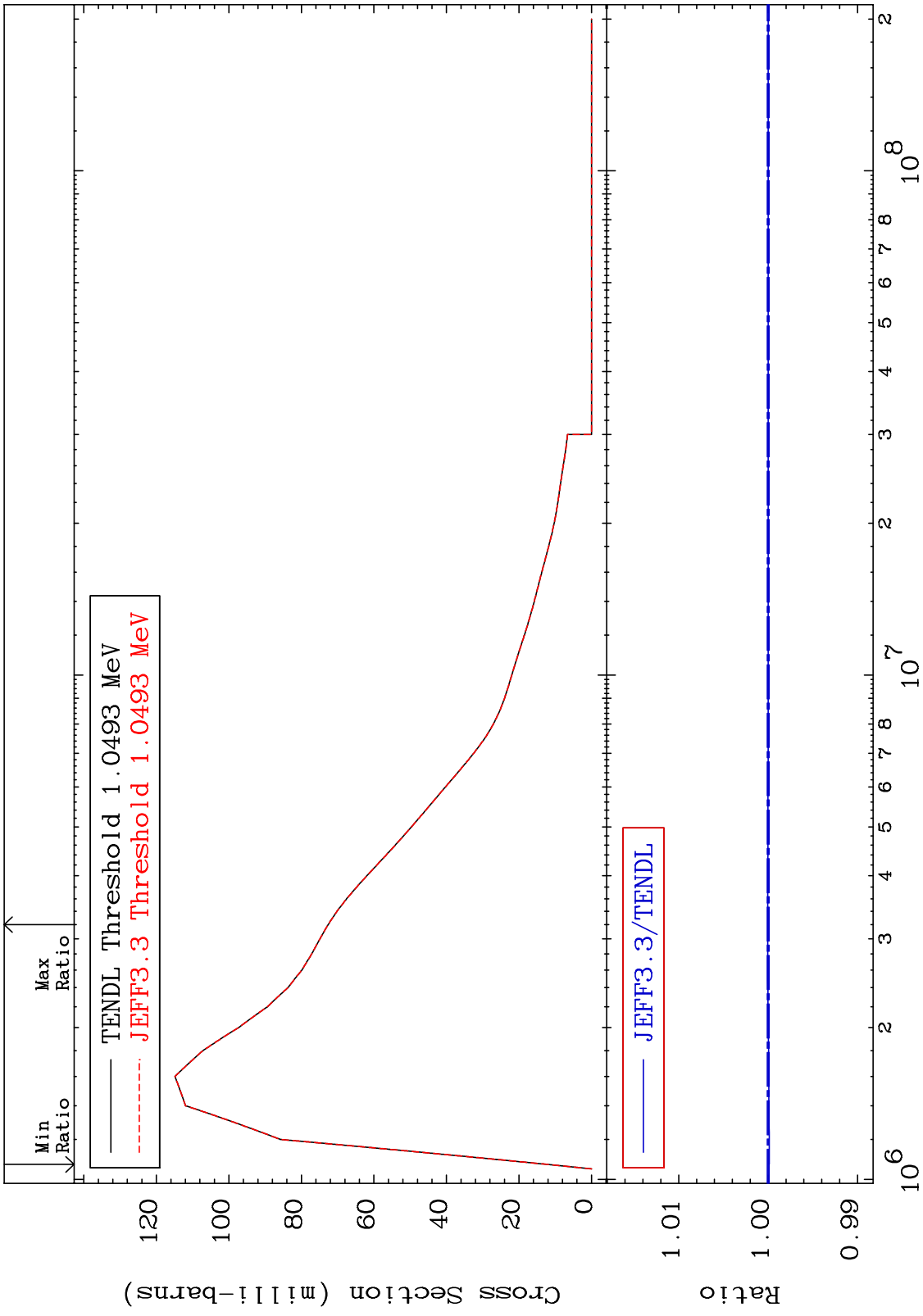


20

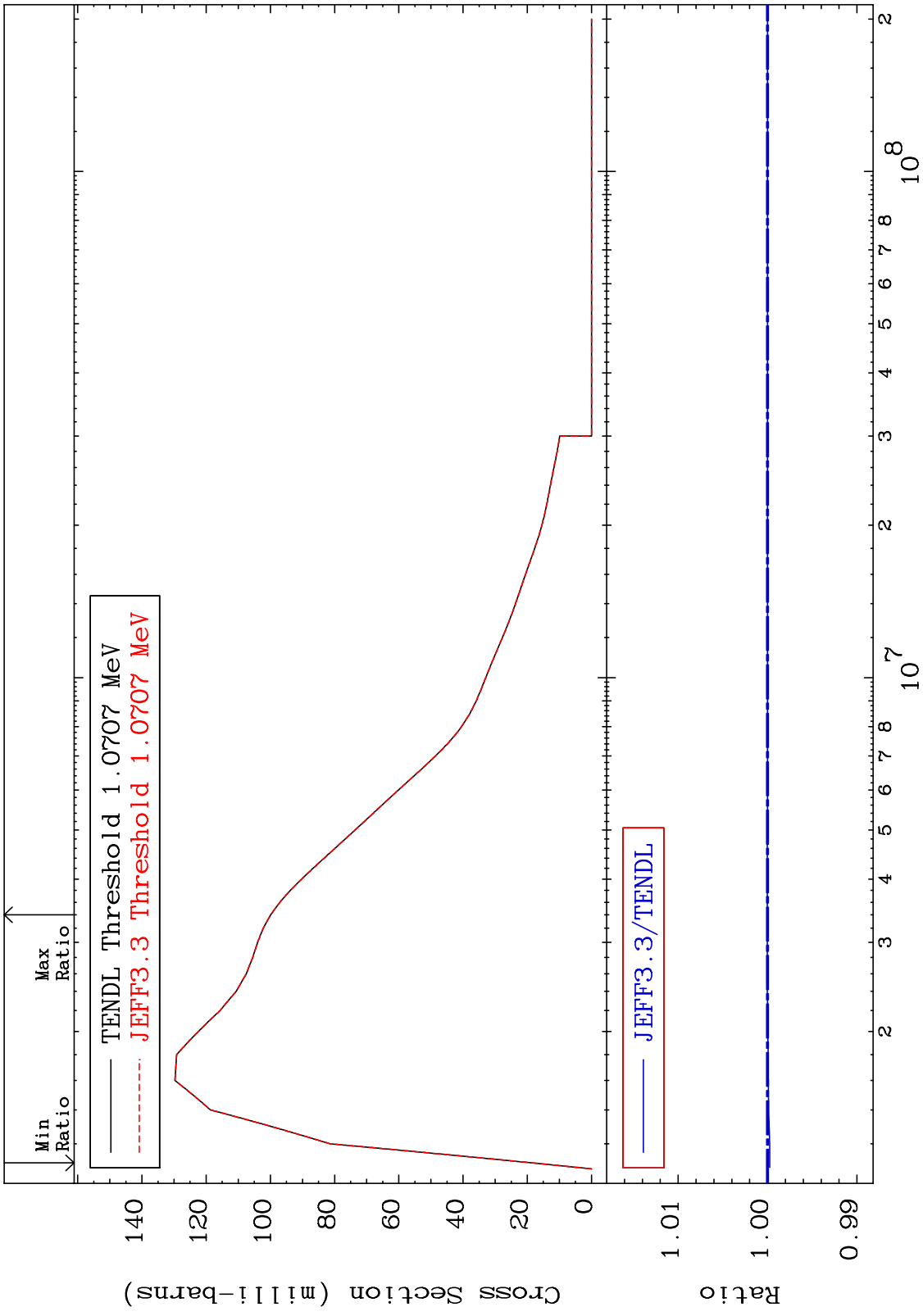
Incident Energy (eV)

81-TI-203

MAT 8125 MT= 53 (n,n') Level Cross Section 81-TI-203
 -0.013 To 0.006 %



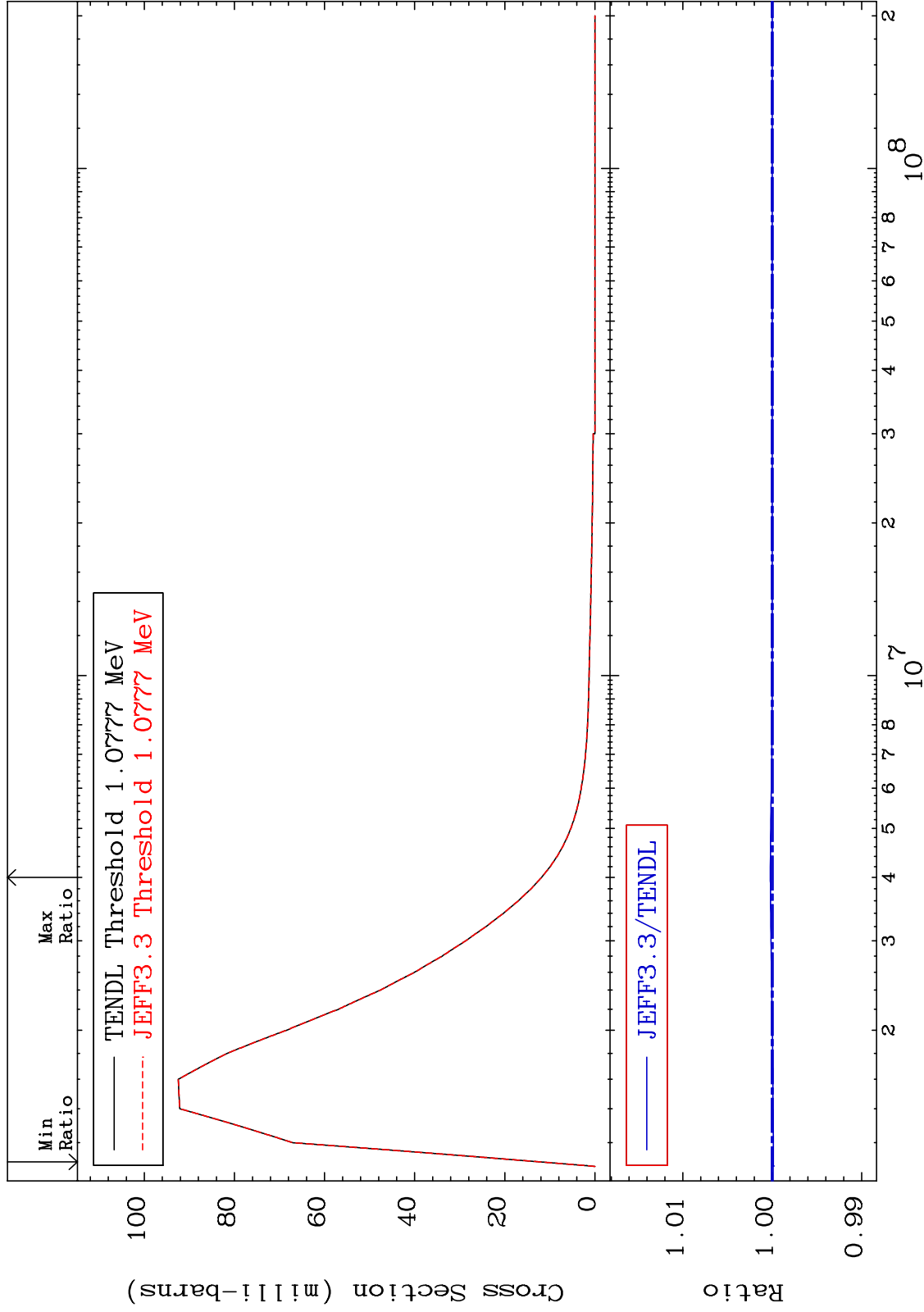
MAT 8125 MT= 54 (n,n') Level Cross Section 81-Tl-203 -0.024 To 0.004 %



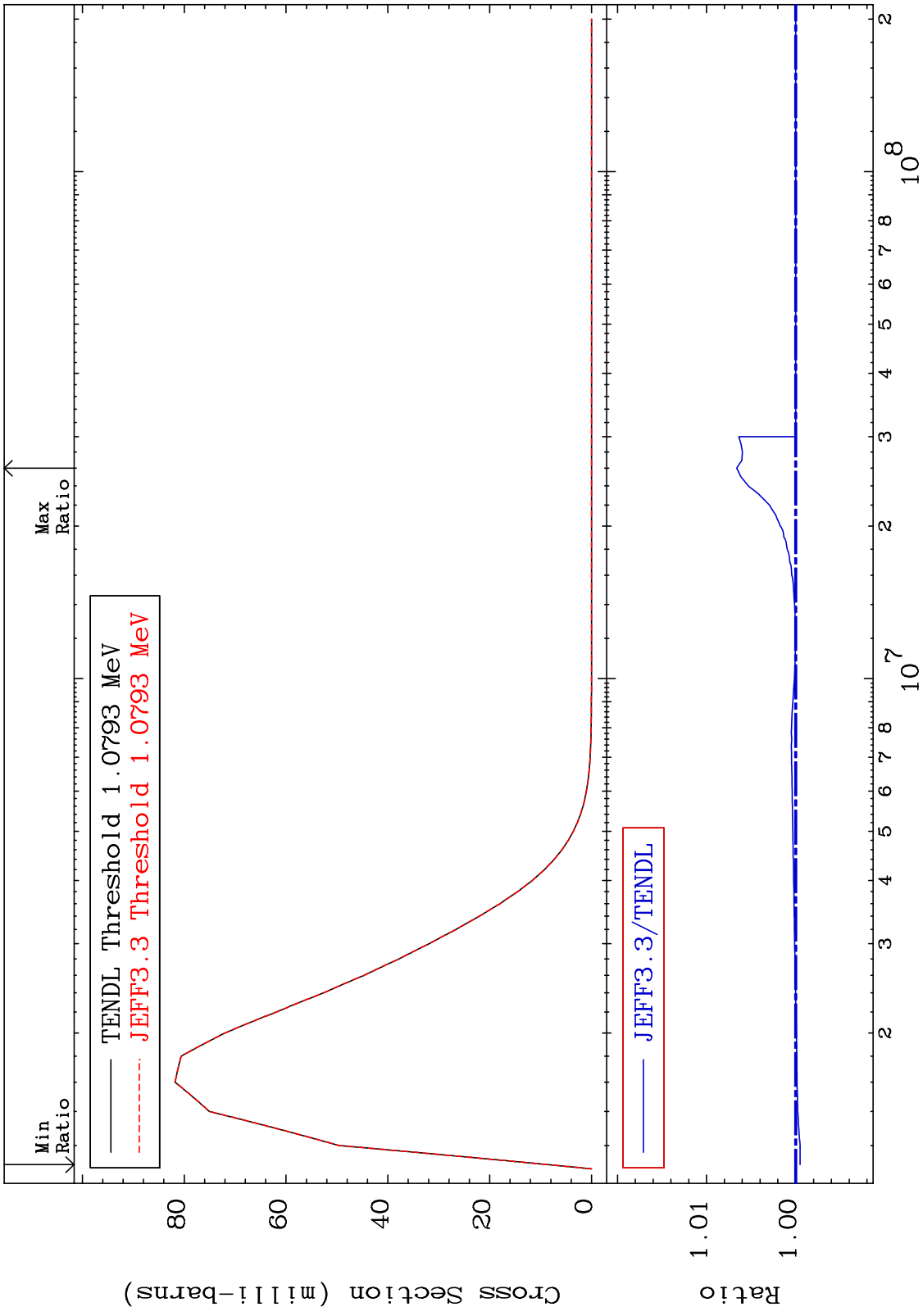
MAT 8125

MT= 55 (n,n') Level
Cross Section

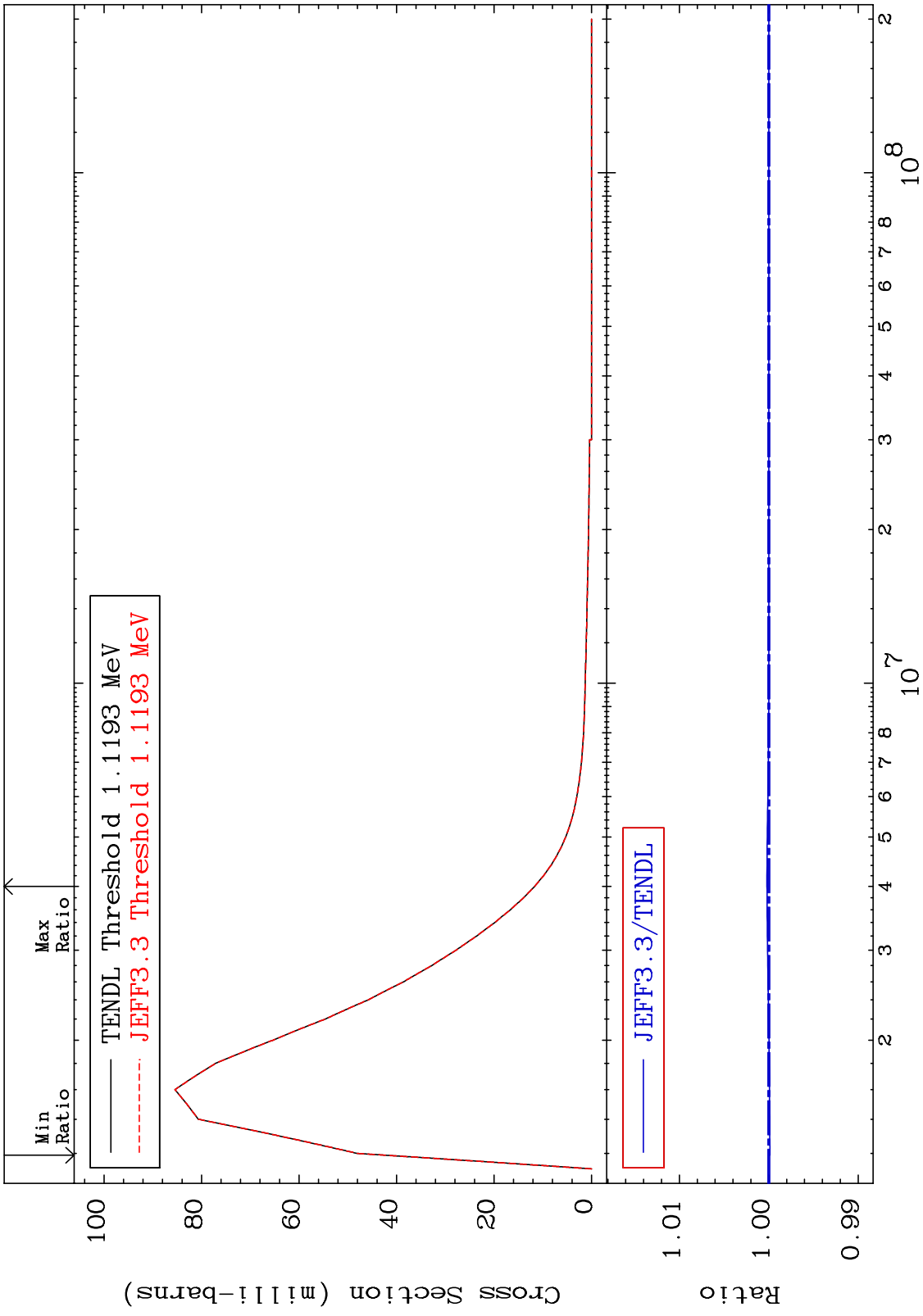
81-T1-203
-0.013 To 0.020 %



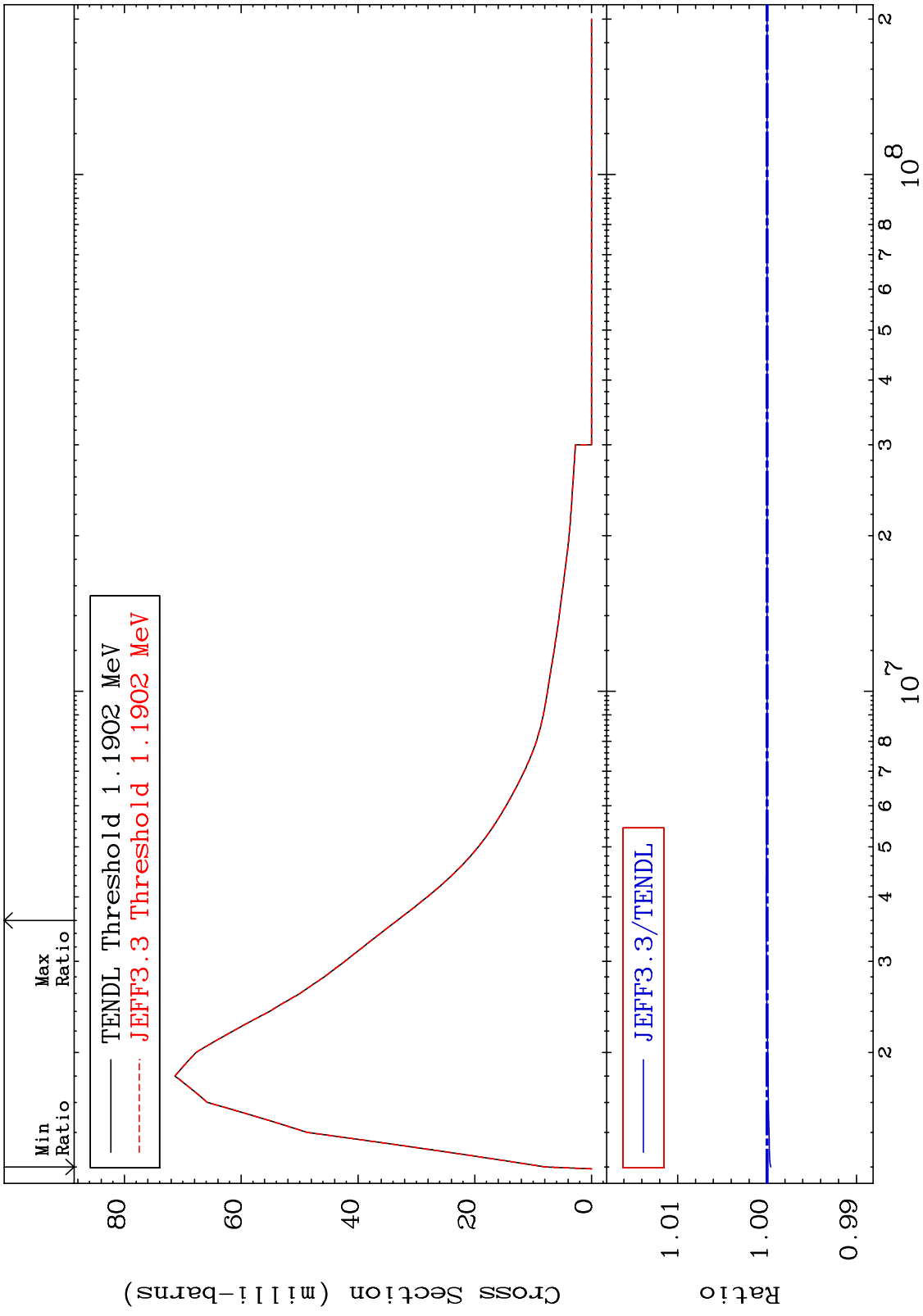
MAT 8125 MT= 56 (n,n') Level Cross Section -0.050 To 0.662 % 81-Tl-203



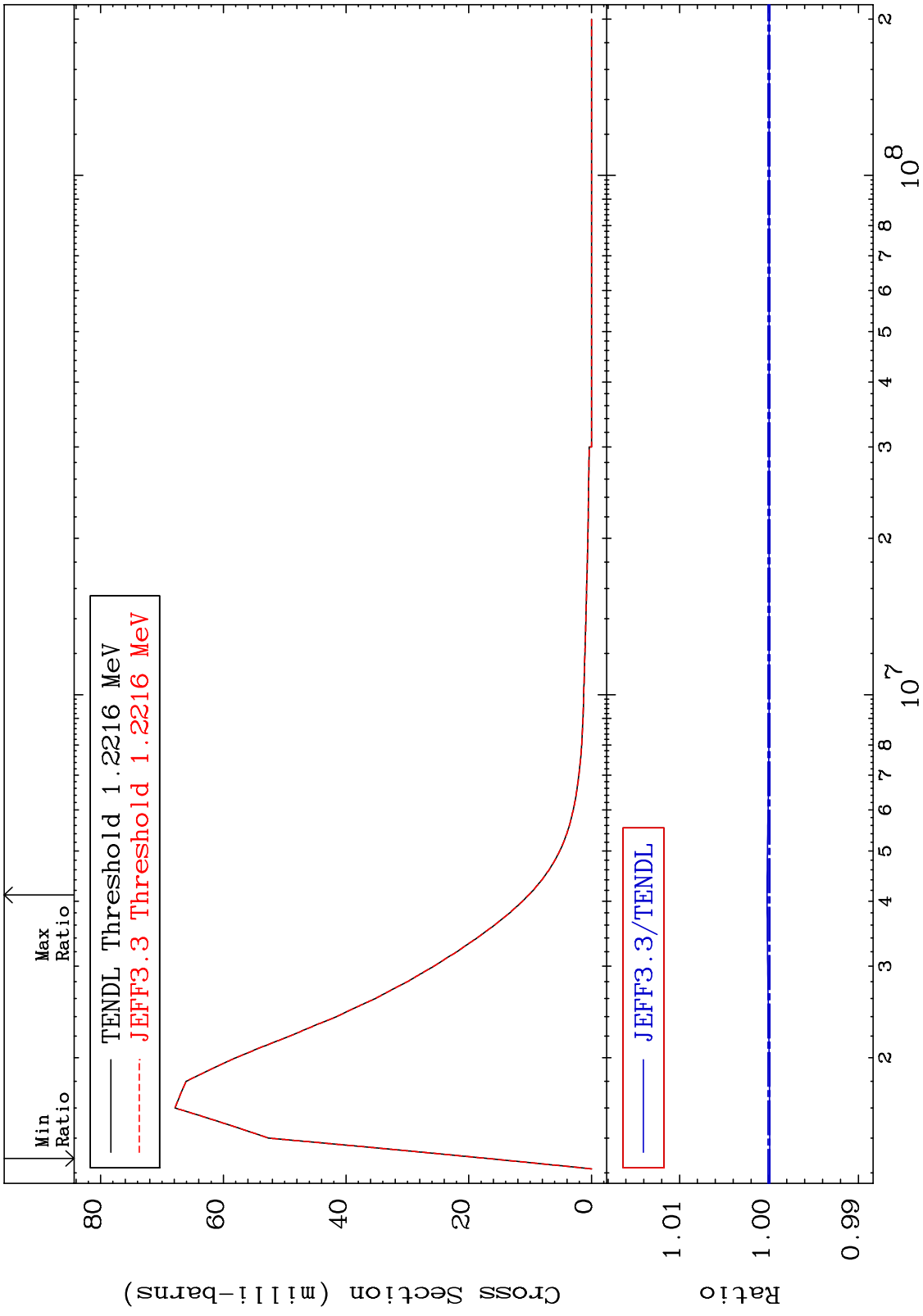
MAT 8125 MT= 57 (n,n') Level Cross Section 81-Tl-203 -0.013 To 0.021 %



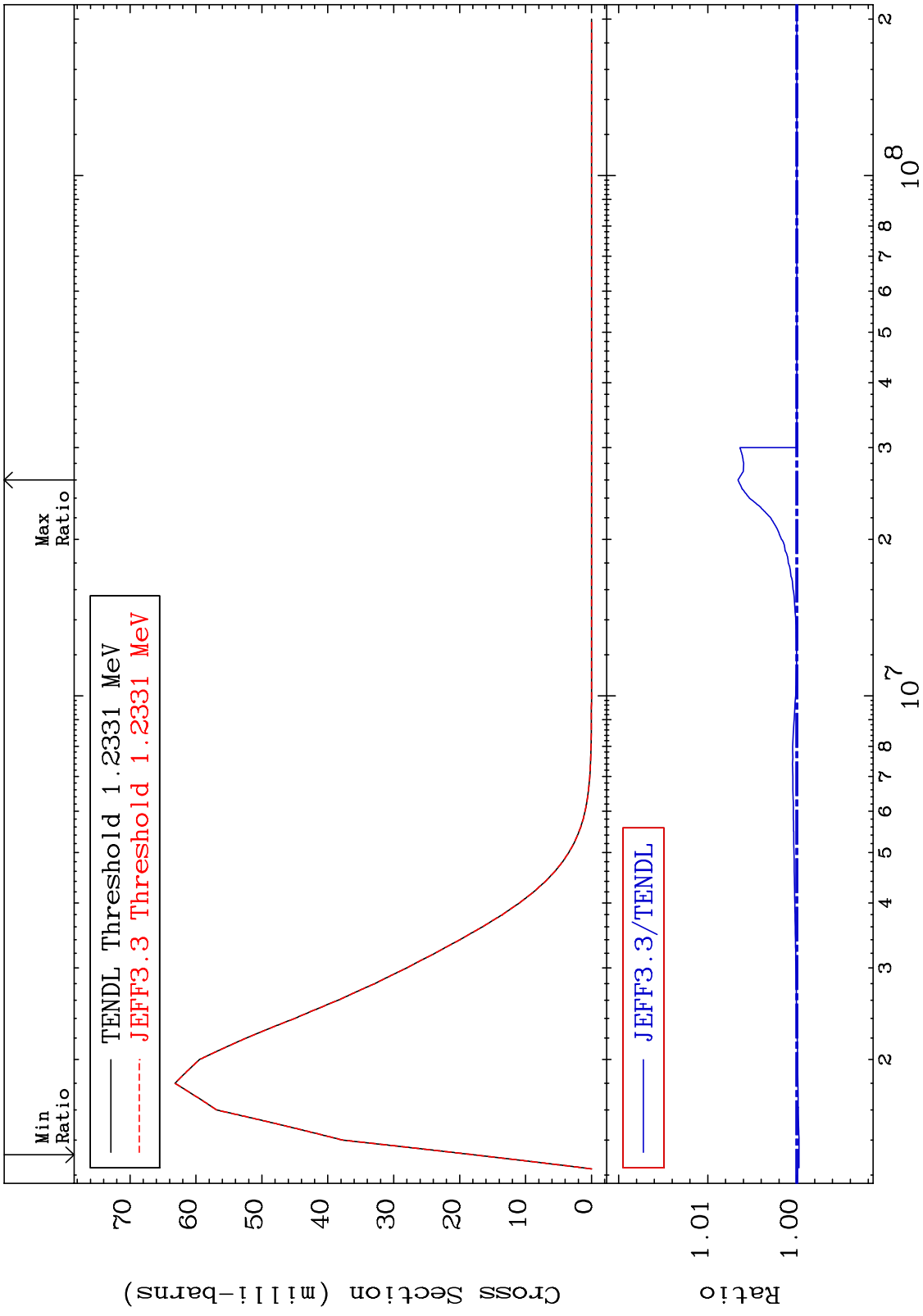
MAT 8125 MT= 58 (n,n') Level Cross Section 81-TI-203 -0.041 To 0.010 %



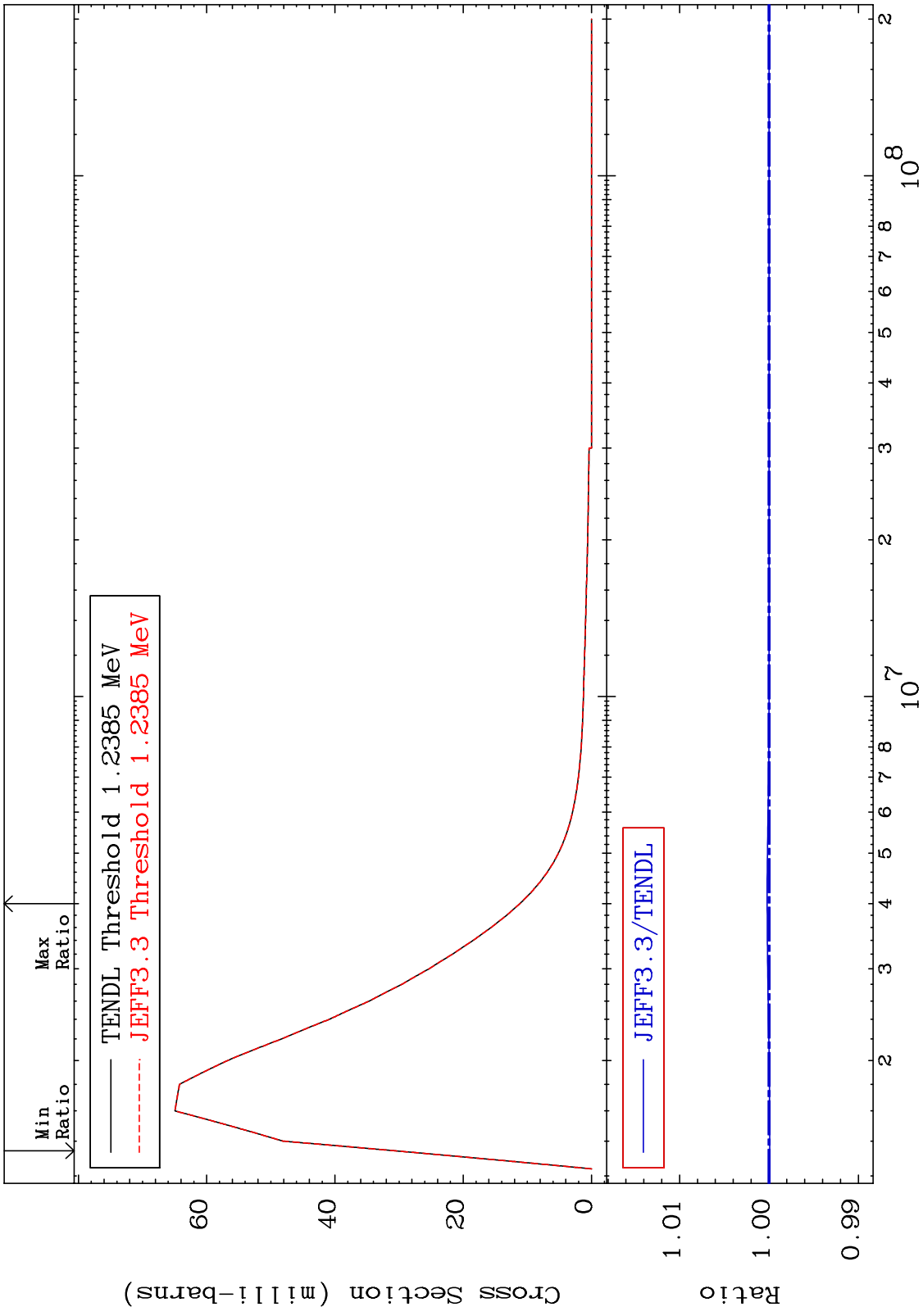
MAT 8125 MT= 59 (n,n') Level Cross Section 81-TI-203 -0.009 To 0.020 %



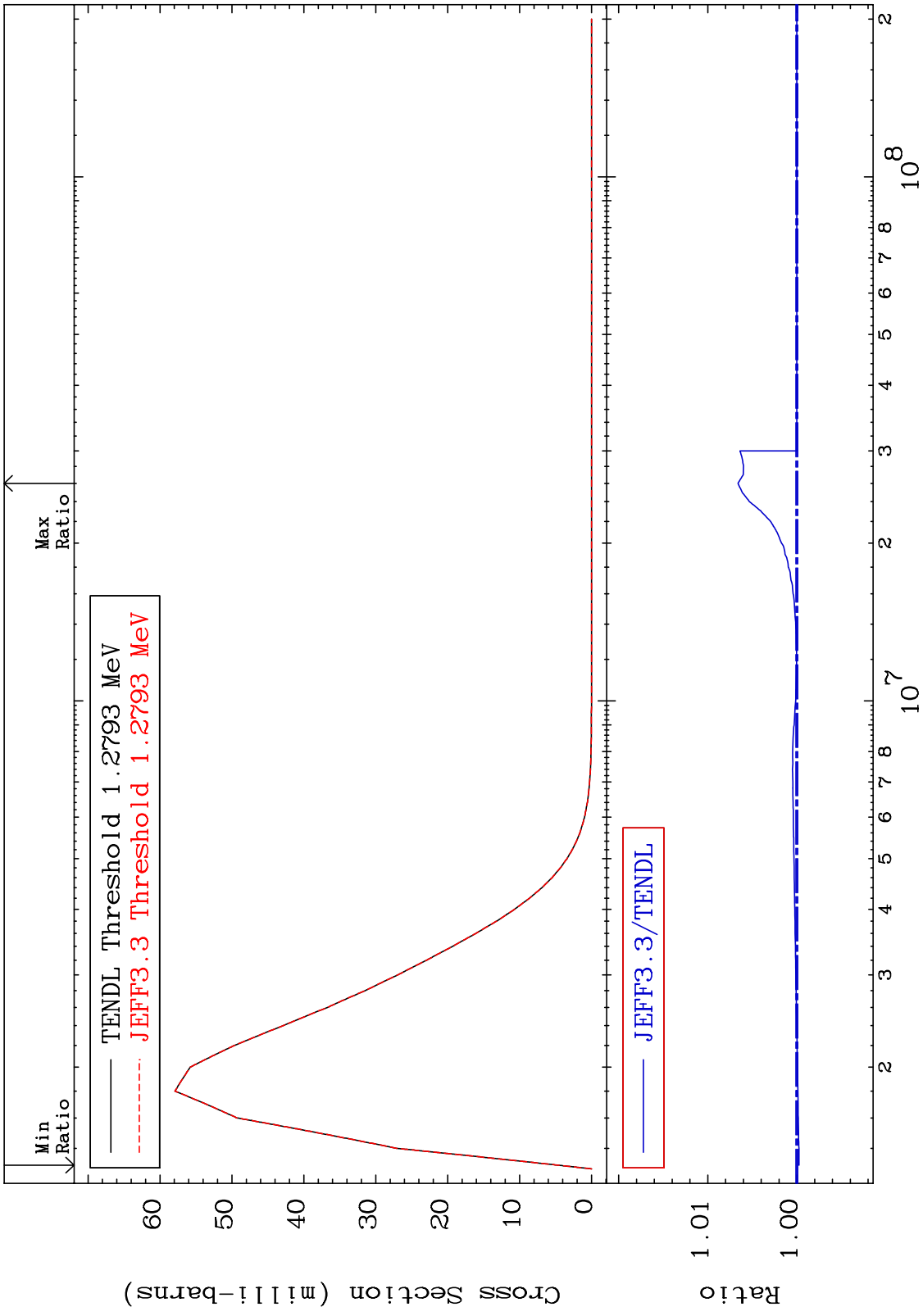
MAT 8125 MT= 61 (n,n') Level Cross Section 81-TI-203
 -0.023 To 0.662 %



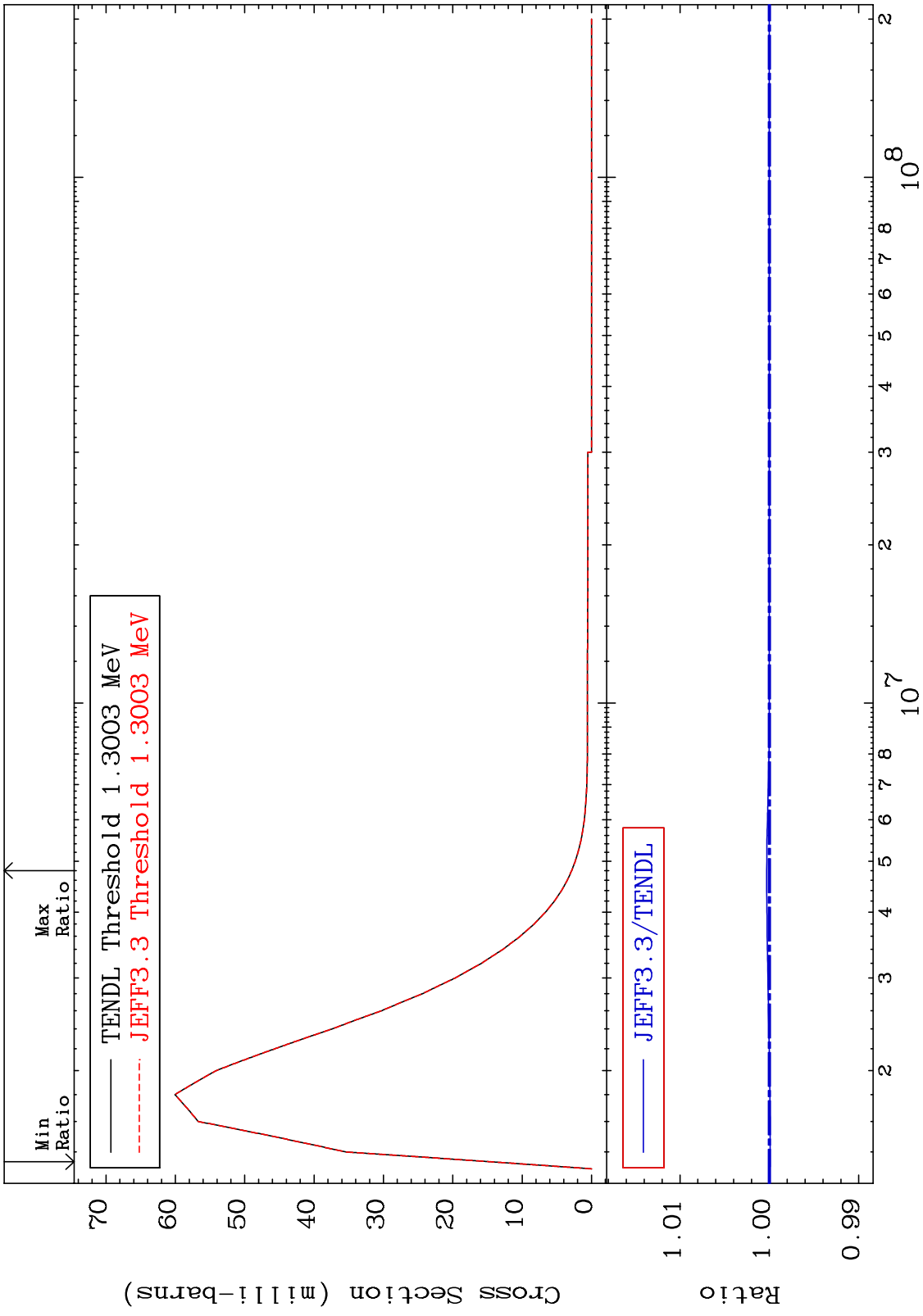
MAT 8125 MT= 62 (n,n') Level Cross Section 81-TI-203 -0.009 To 0.021 %



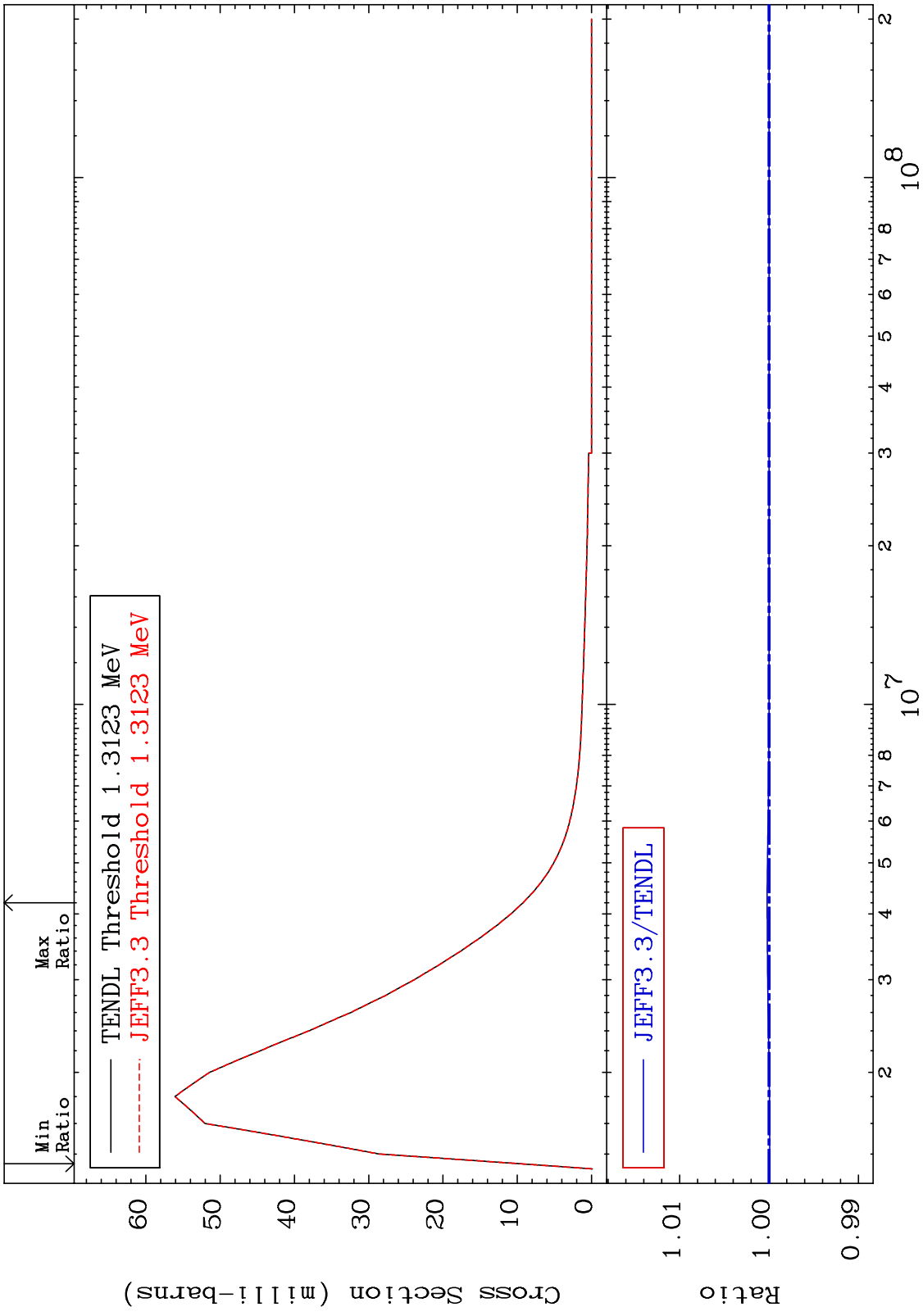
MAT 8125 MT= 63 (n,n') Level Cross Section 81-TI-203
 -0.023 To 0.661 %



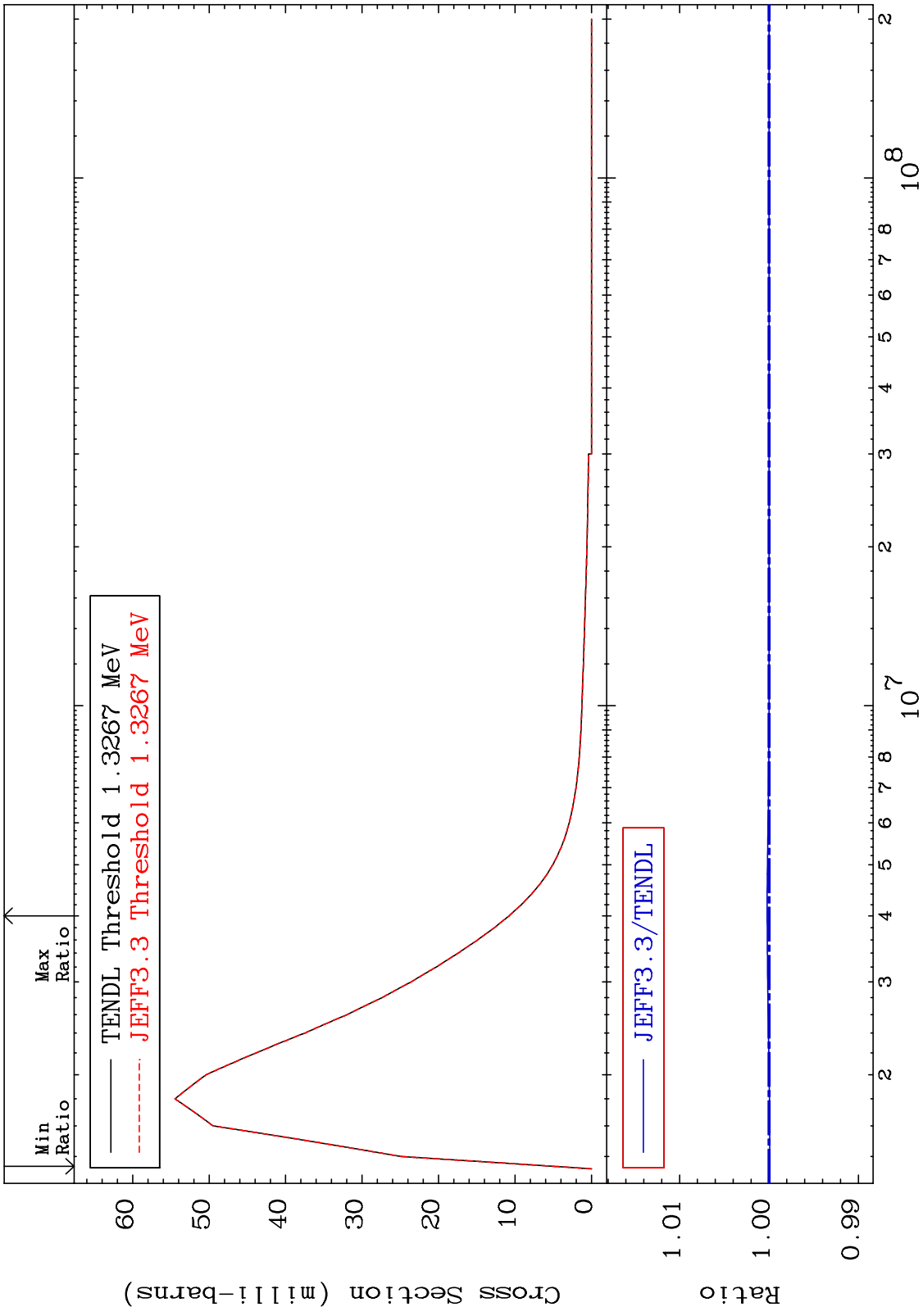
MAT 8125 MT= 64 (n,n') Level Cross Section 81-TI-203
 -0.009 To 0.030 %



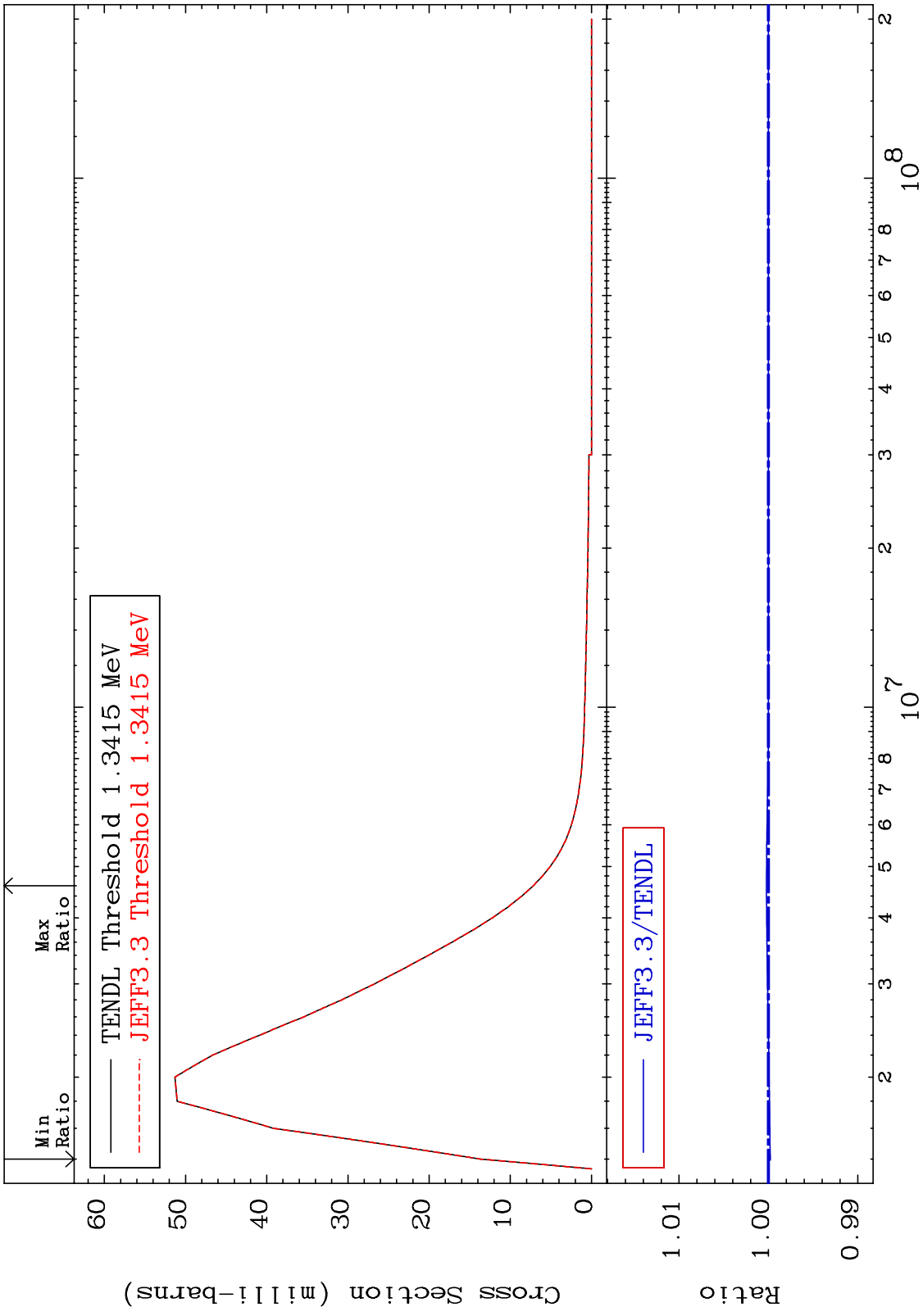
MAT 8125 MT= 65 (n,n') Level Cross Section 81-Tl-203 -0.009 To 0.020 %



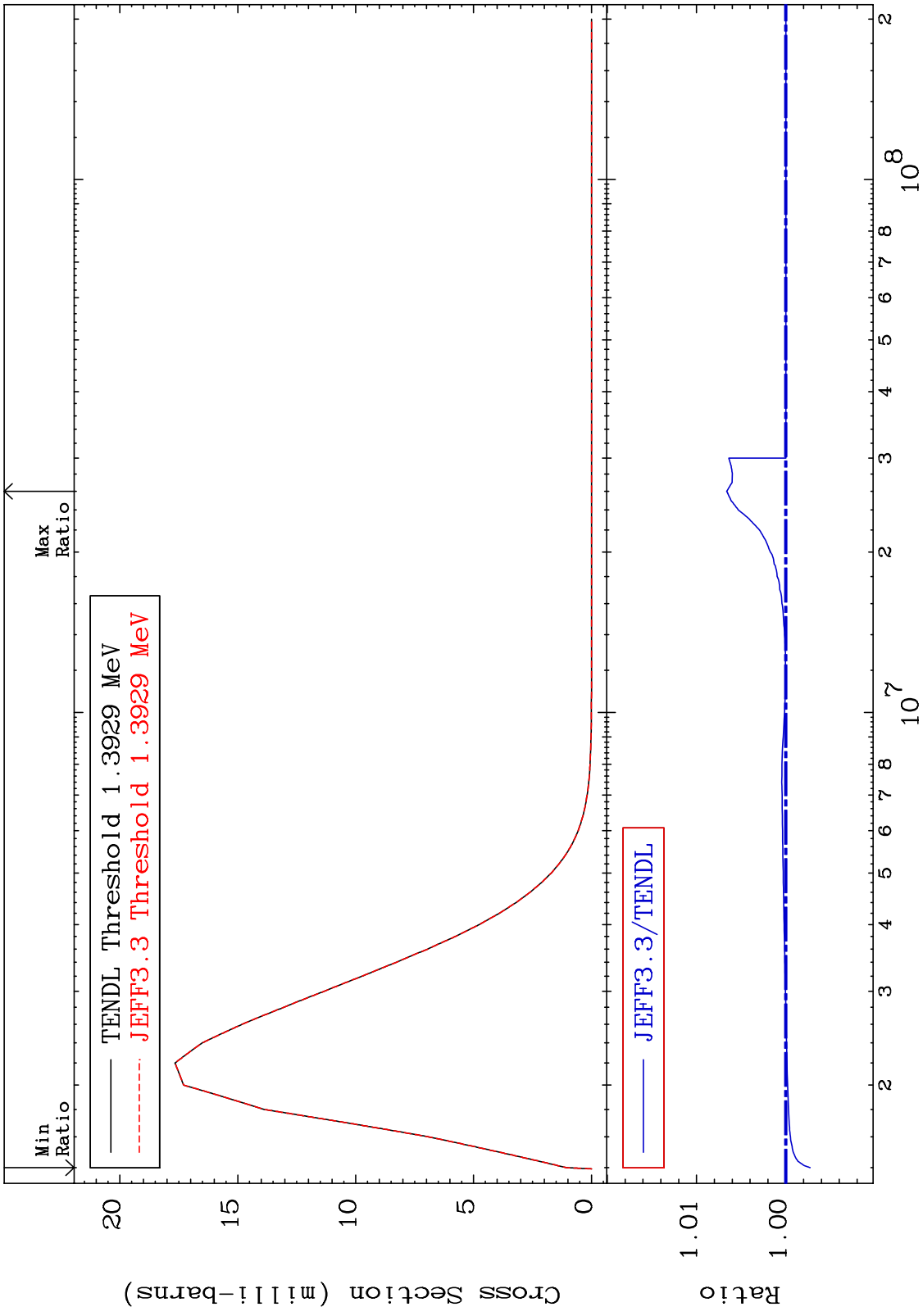
MAT 8125 MT= 66 (n,n') Level Cross Section 81-Tl-203 -0.009 To 0.020 %



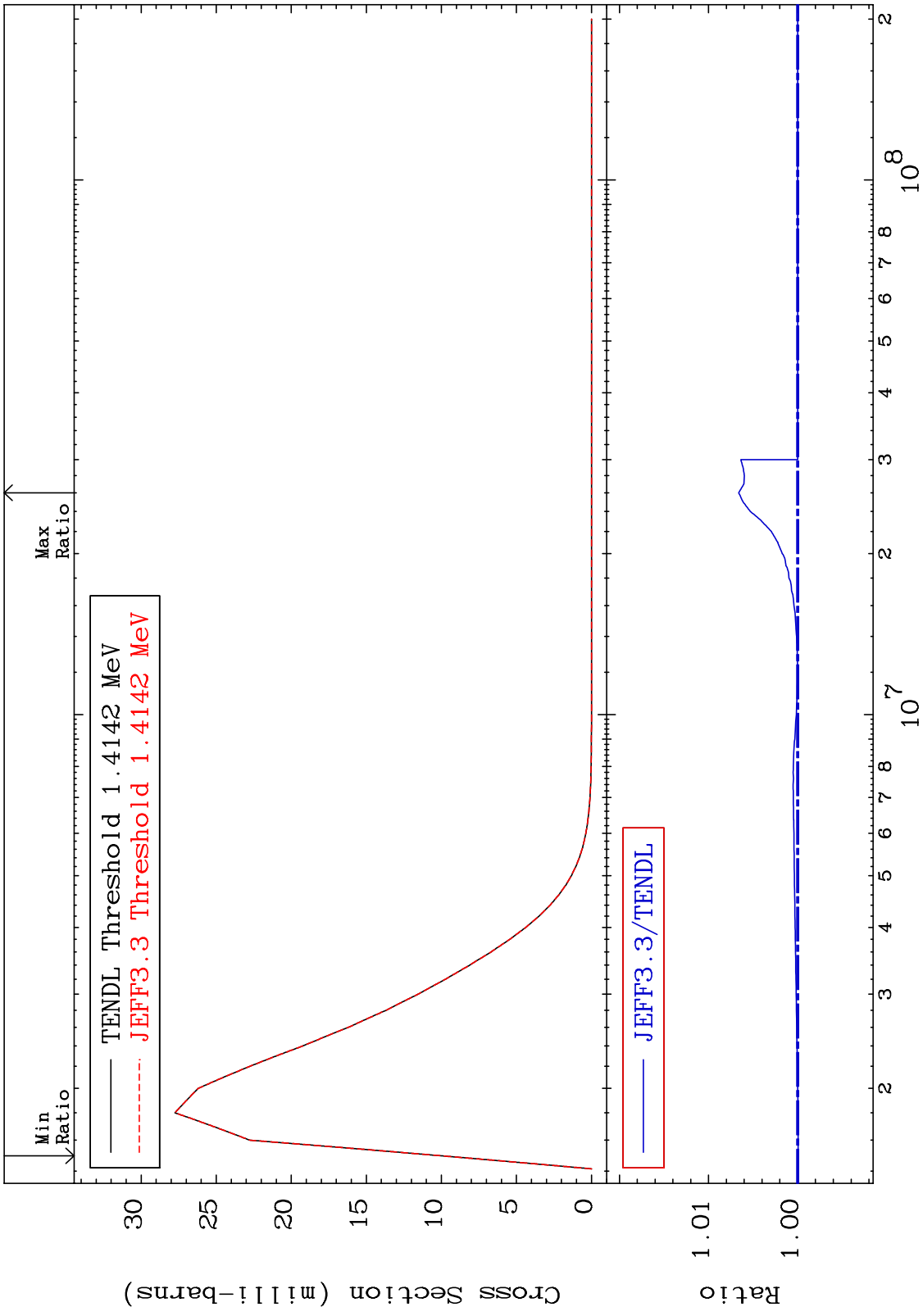
MAT 8125 MT= 67 (n,n') Level Cross Section 81-TI-203 -0.022 To 0.022 %



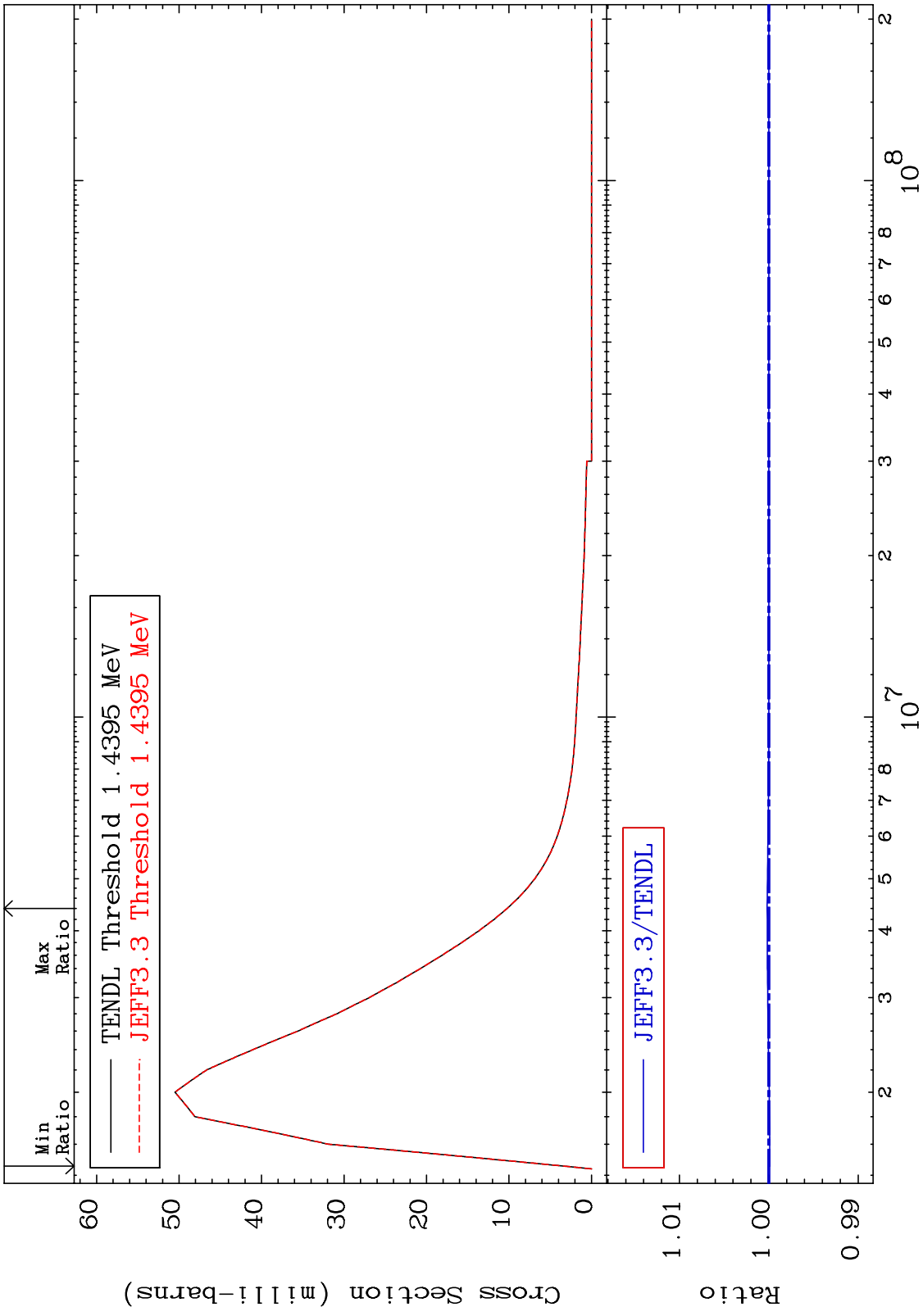
MAT 8125 MT= 68 (n,n') Level Cross Section 81-TI-203
 -0.273 To 0.662 %



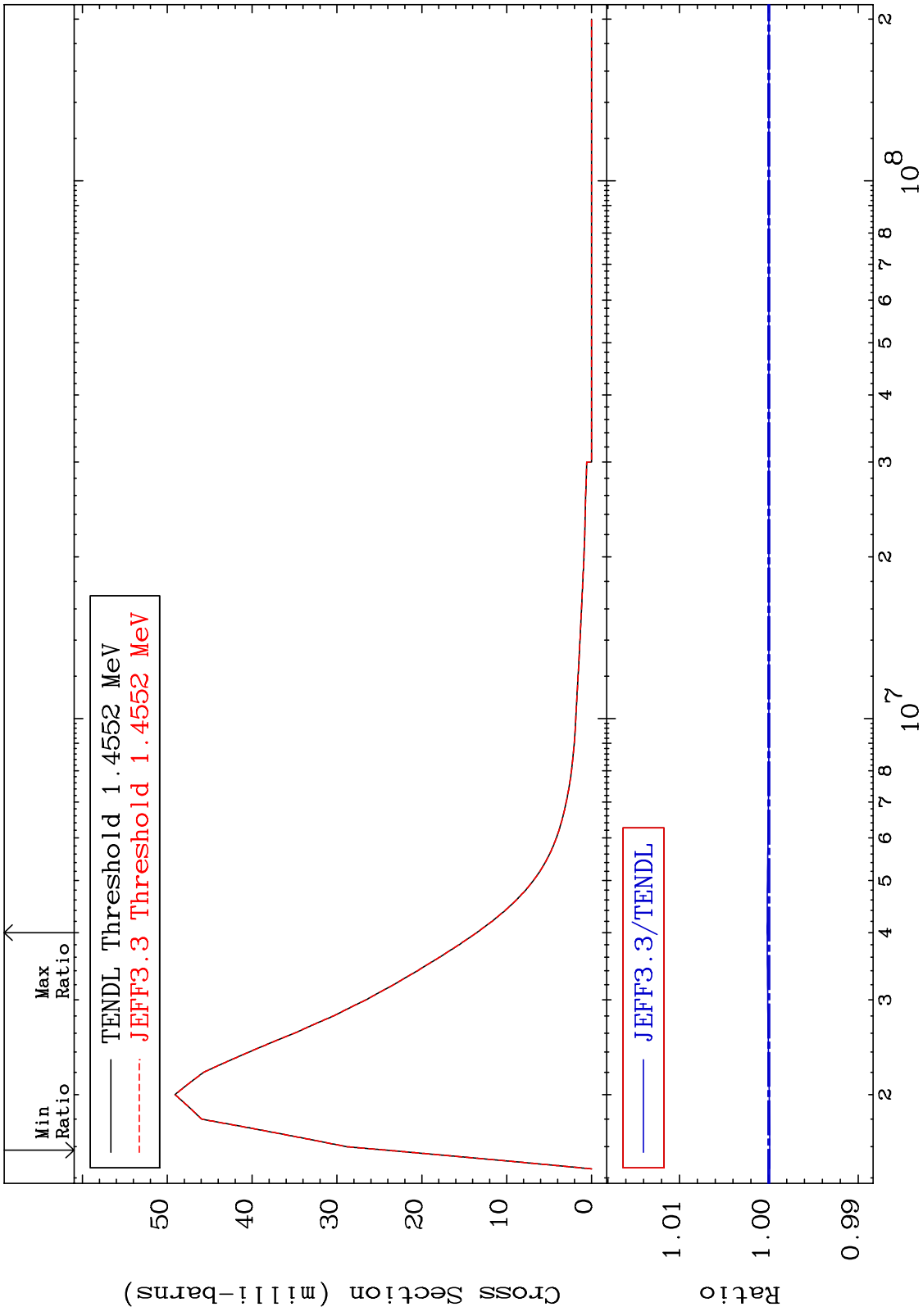
MAT 8125 MT= 69 (n,n') Level Cross Section 81-TI-203
 -0.006 To 0.662 %



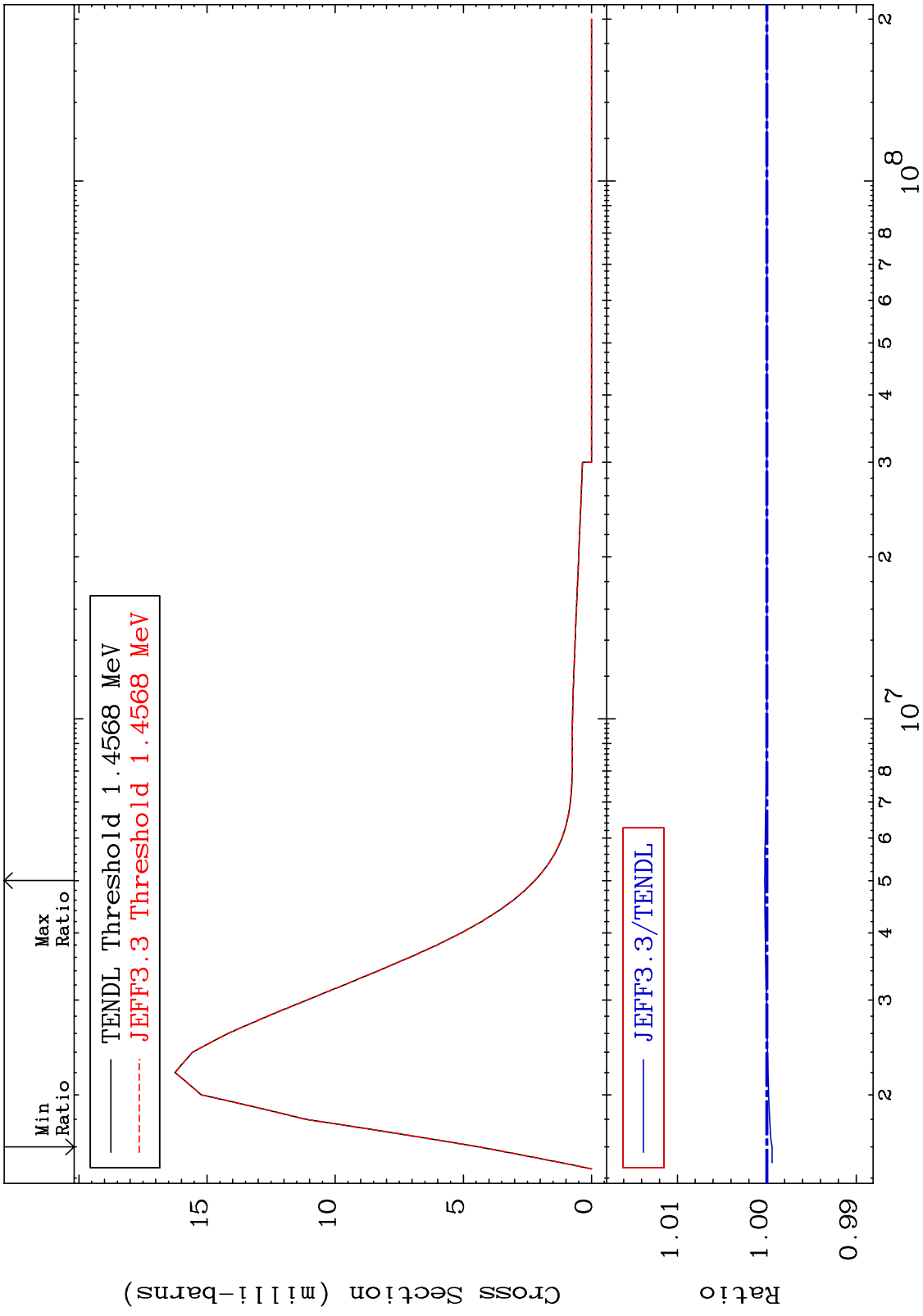
MAT 8125 MT= 70 (n,n') Level Cross Section 81-TI-203 -0.011 To 0.019 %



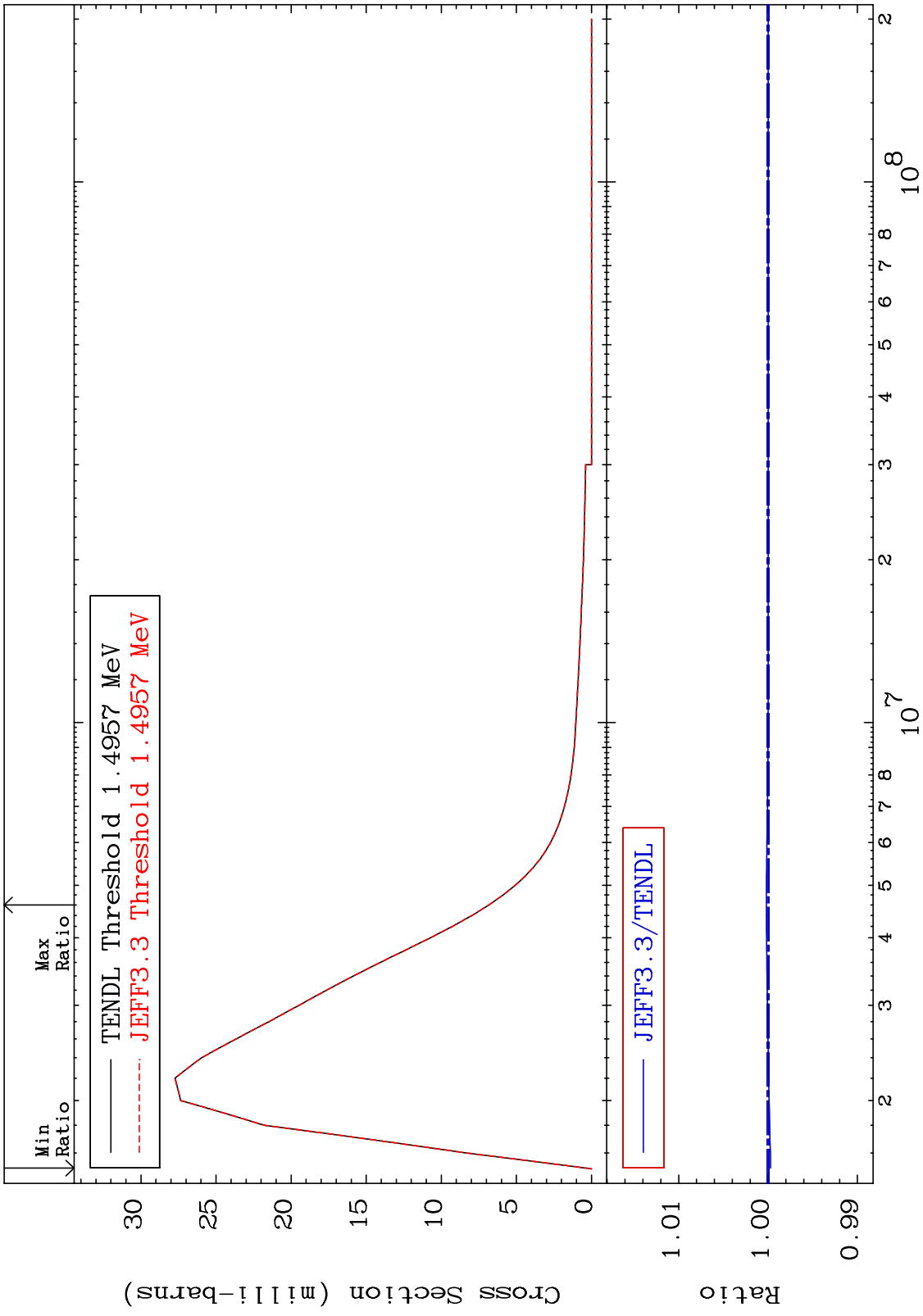
MAT 8125 MT= 71 (n,n') Level Cross Section 81-Tl-203 -0.010 To 0.018 %



MAT 8125 MT= 72 (n,n') Level Cross Section 81-TI-203 -0.060 To 0.023 %



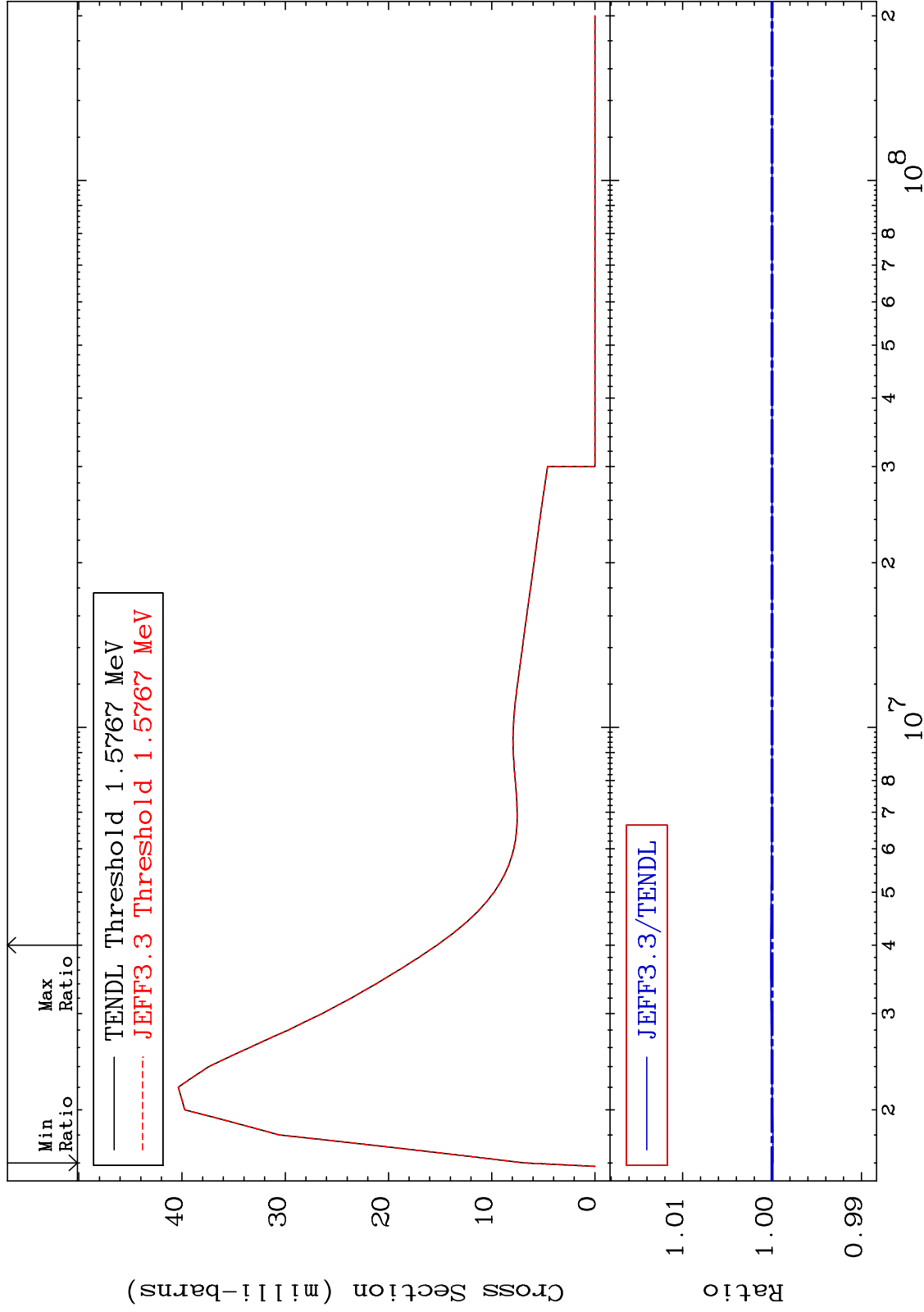
MAT 8125 MT= 73 (n,n') Level Cross Section 81-Tl-203 -0.028 To 0.019 %



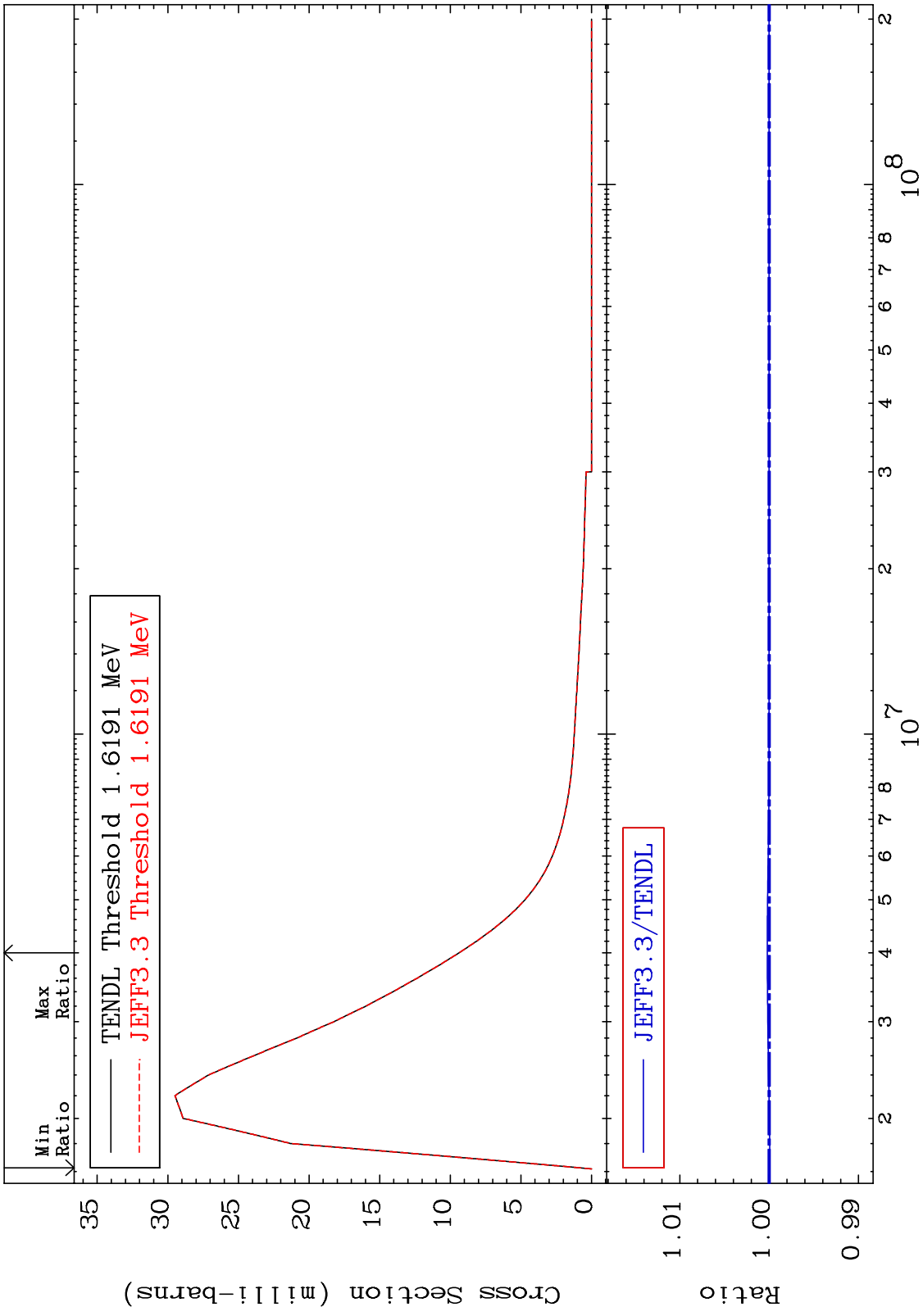
MAT 8125

MT= 74 (n,n') Level
Cross Section

81-TI-203
-0.010 To 0.015 %



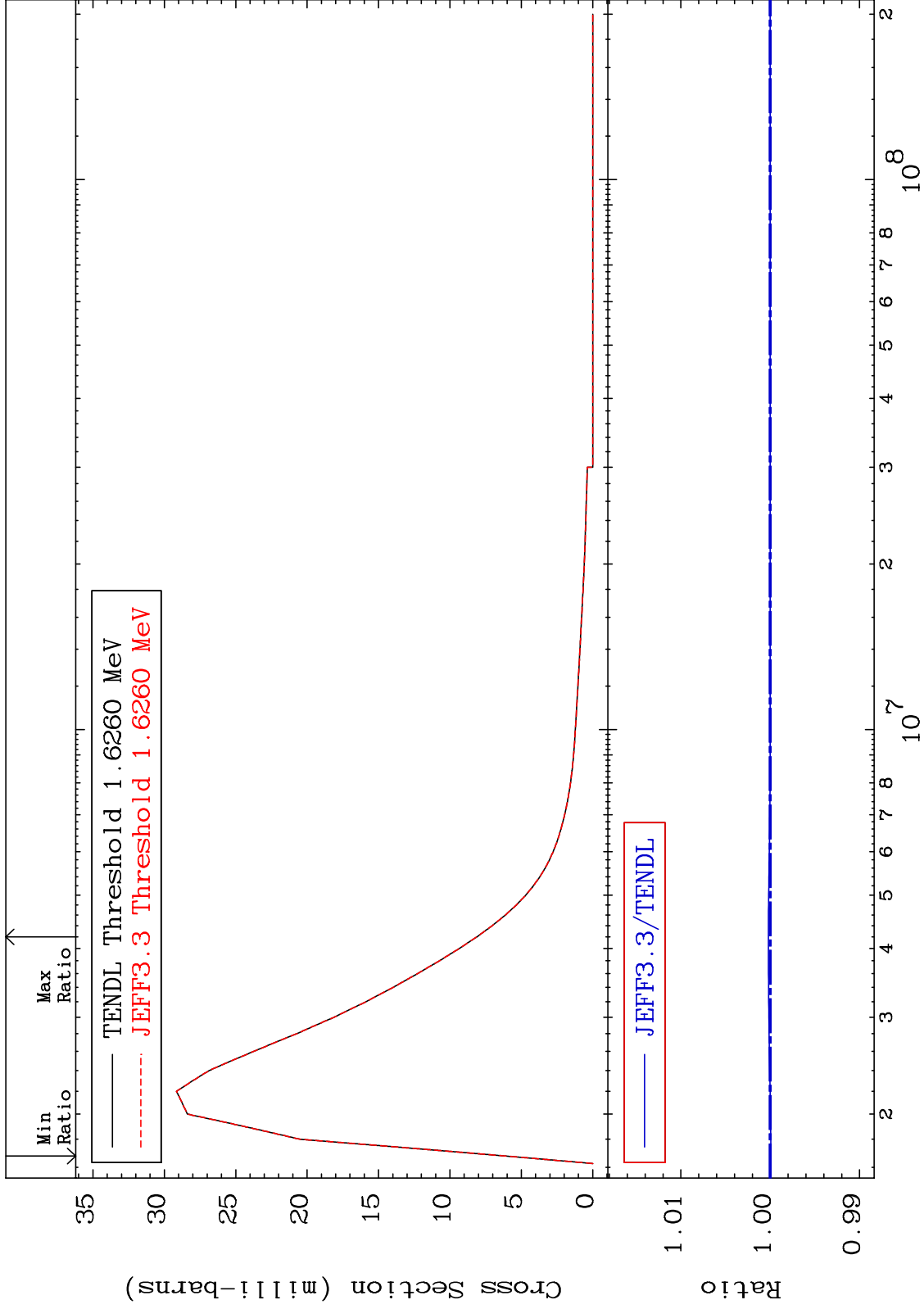
MAT 8125 MT= 75 (n,n') Level Cross Section 81-TI-203 -0.005 To 0.021 %



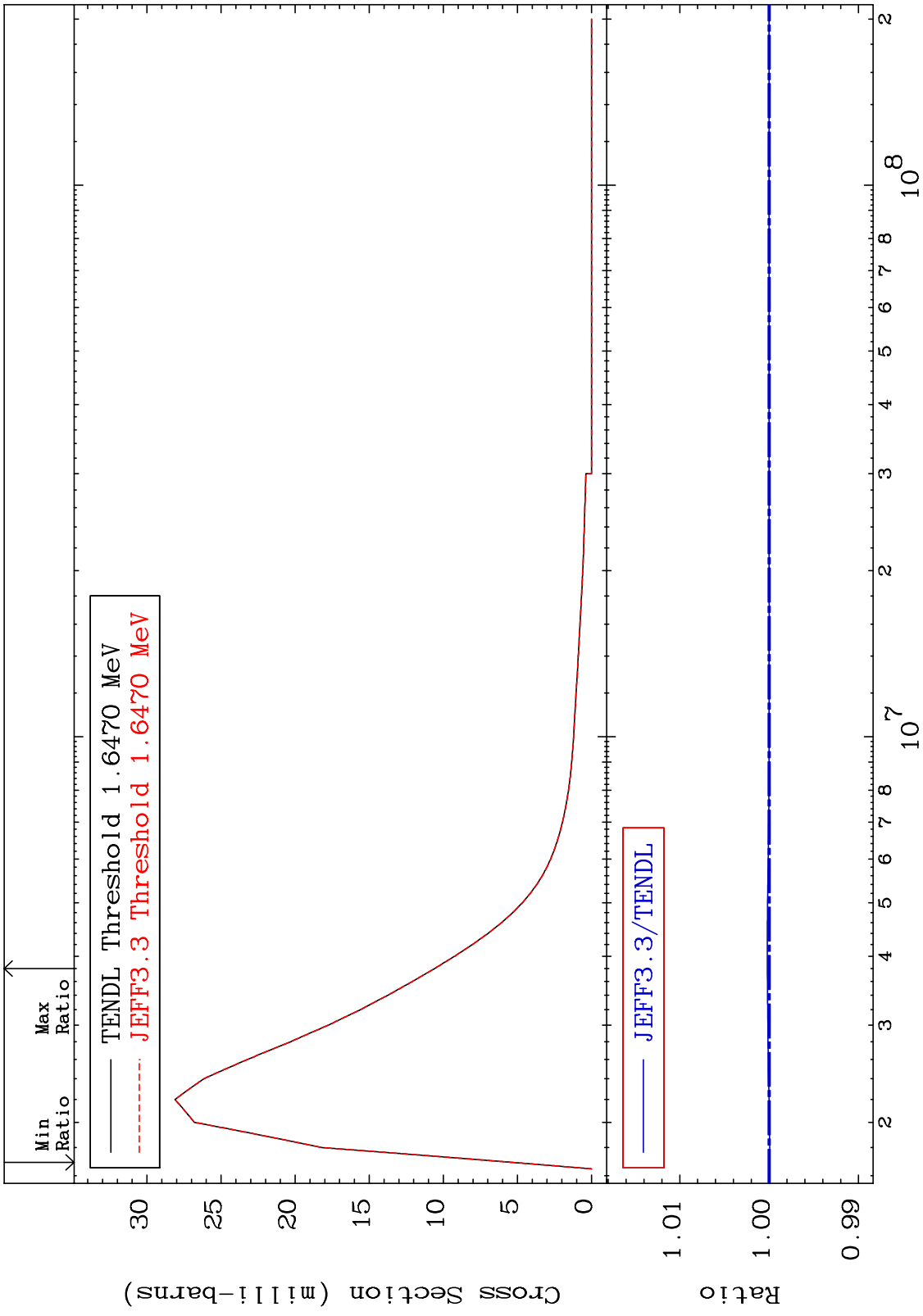
MAT 8125

MT= 76 (n,n') Level
Cross Section

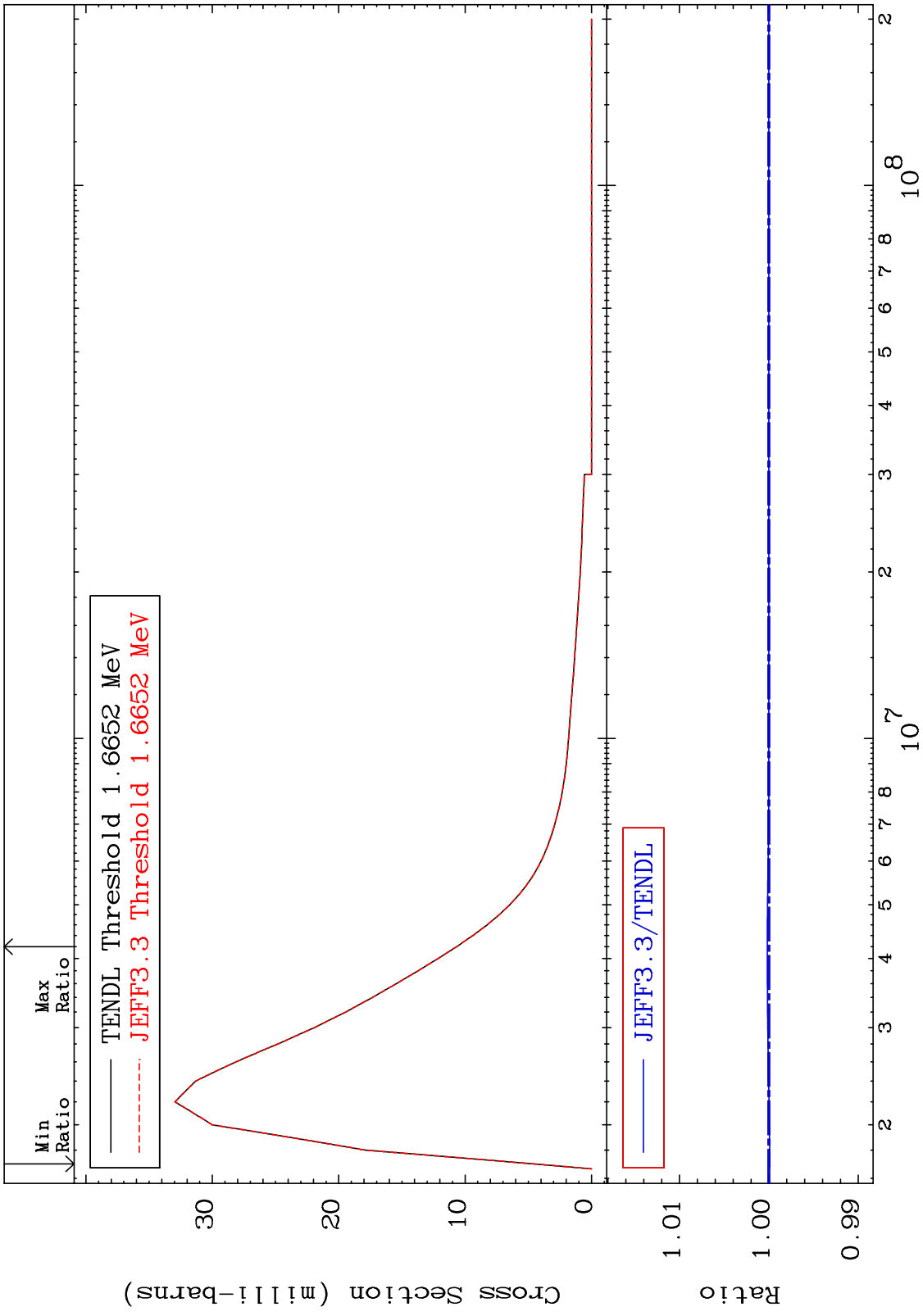
81-TI-203
-0.005 To 0.021 %



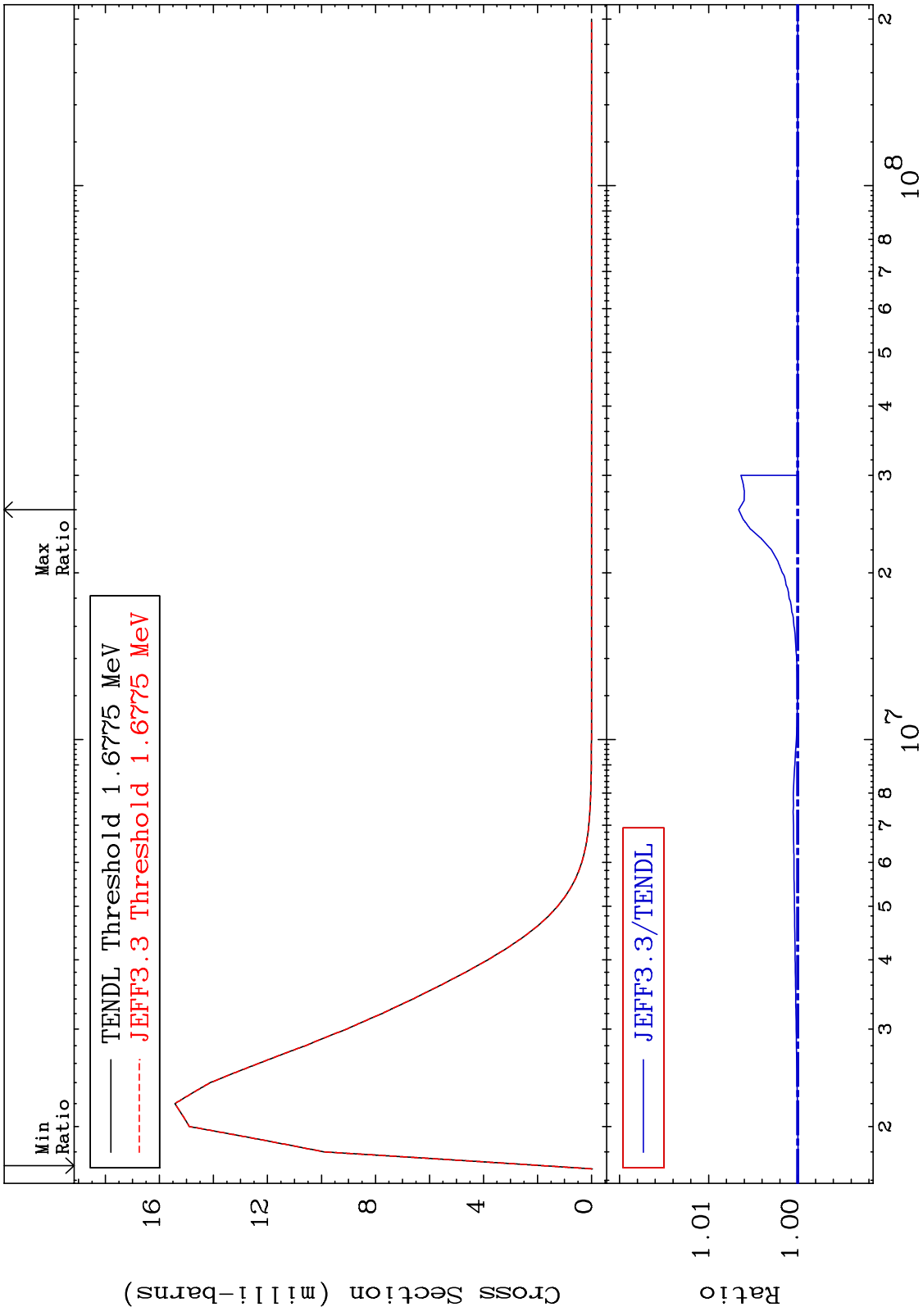
MAT 8125 MT= 77 (n,n') Level Cross Section 81-Tl-203 -0.005 To 0.021 %



MAT 8125 MT= 78 (n,n') Level Cross Section 81-TI-203 -0.008 To 0.019 %



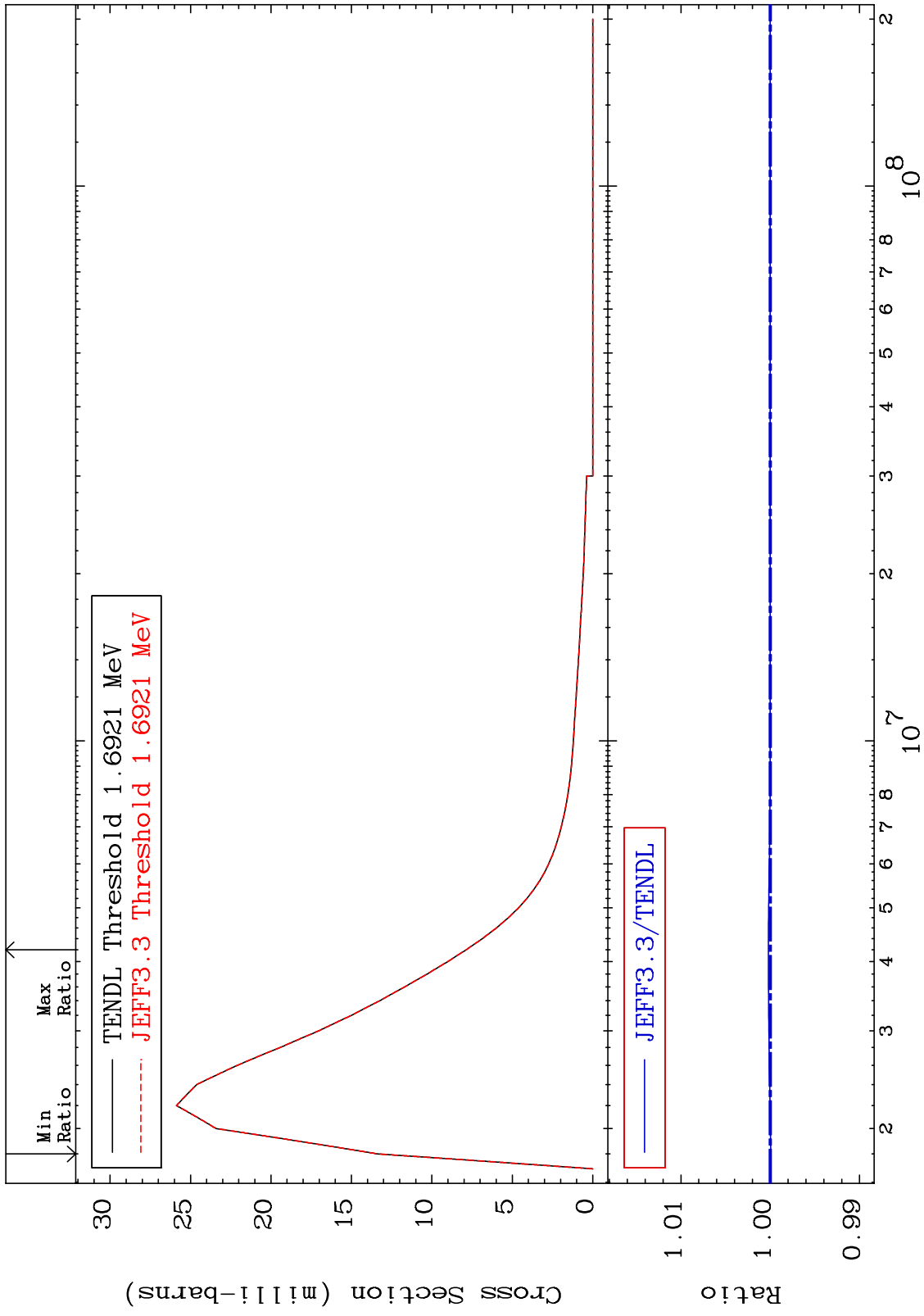
MAT 8125 MT= 79 (n,n') Level Cross Section 81-TI-203
 -0.004 To 0.662 %



MAT 8125

MT= 80 (n,n') Level
Cross Section

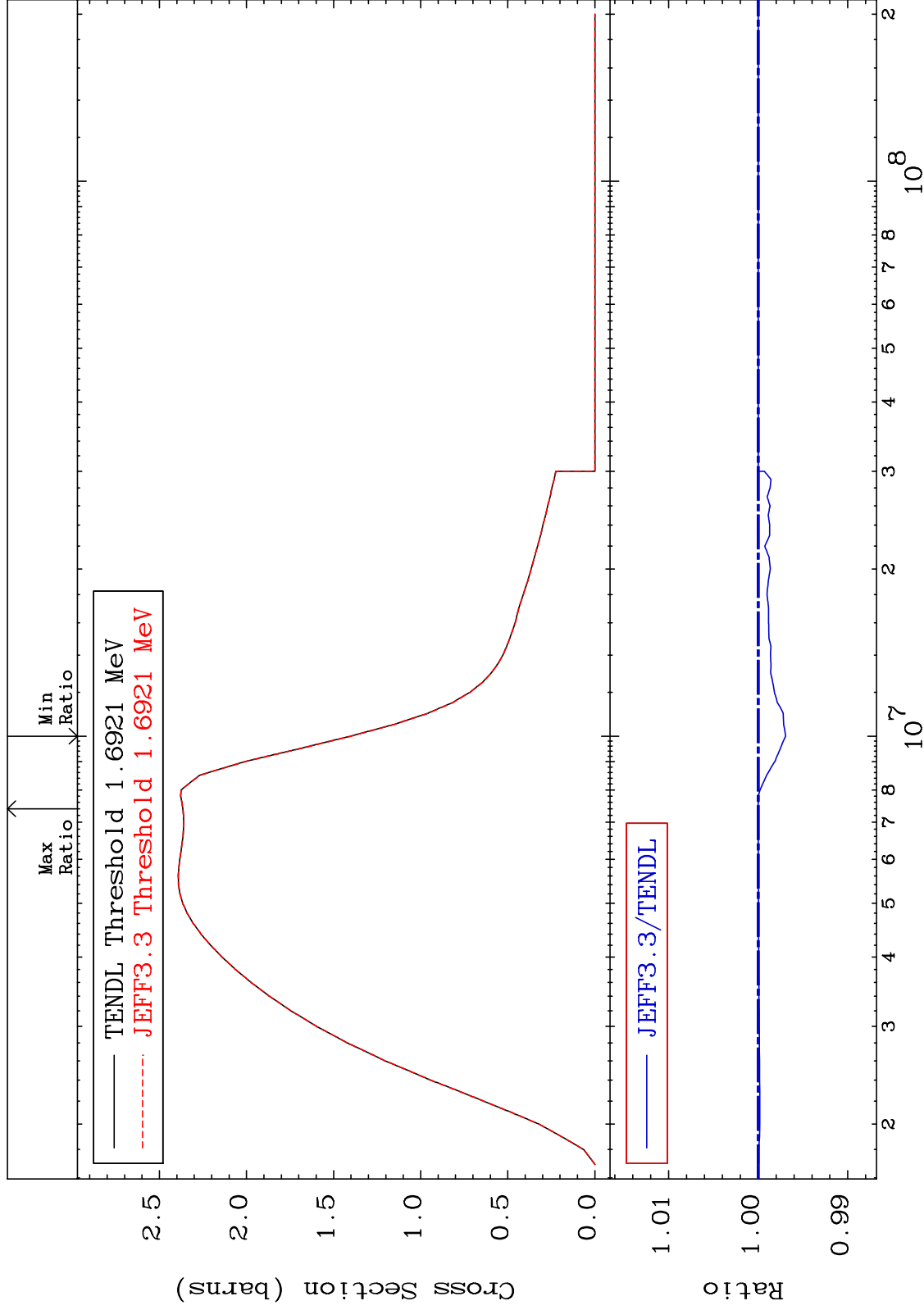
81-TI-203
-0.005 To 0.021 %



MAT 8125

(n, n') Continuum
Cross Section

81-Tl-203
-0.307 To 0.002 %



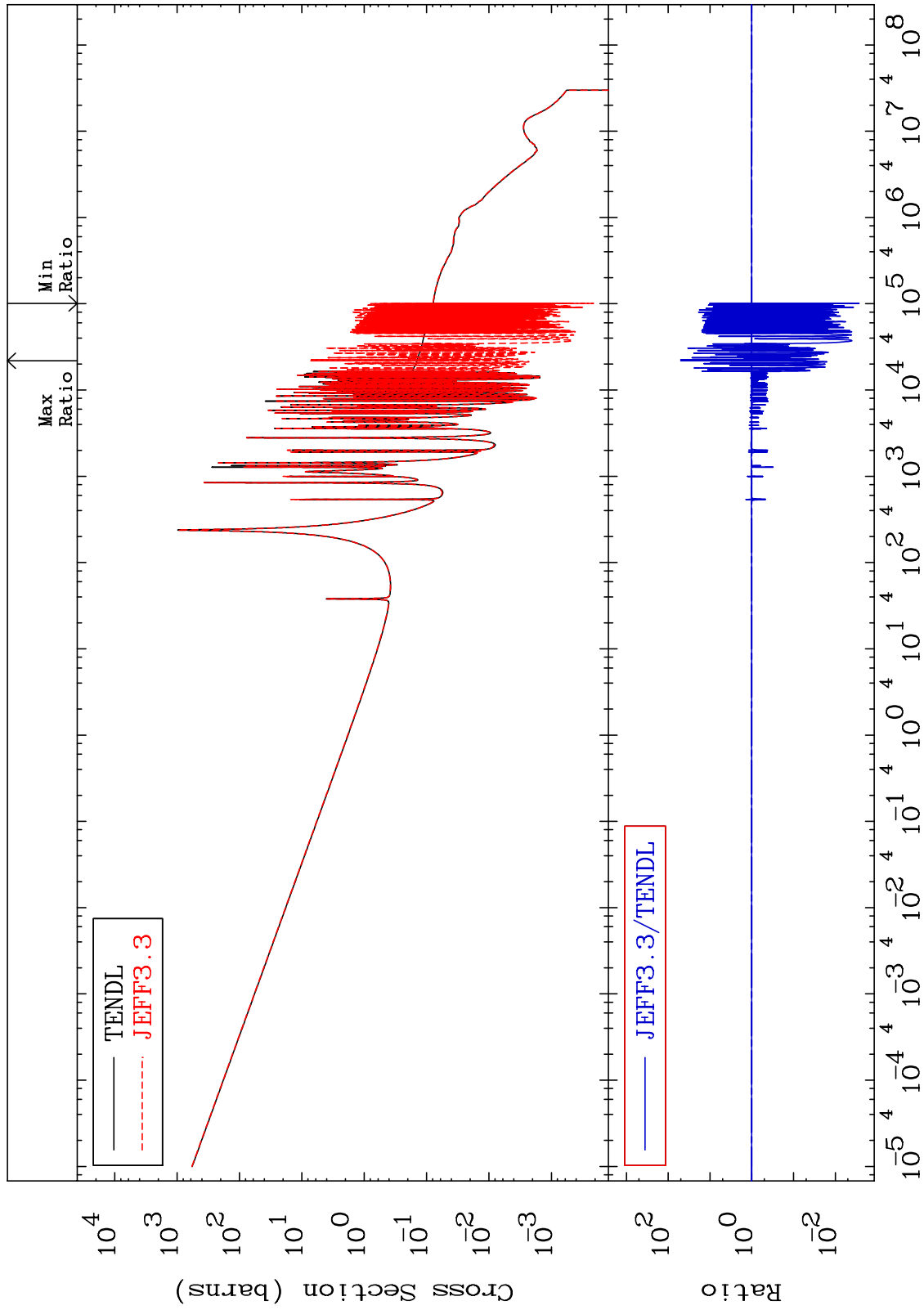
MAT 8125

(n, γ)

81-TI-203

Cross Section

-99.73 To 4939. %



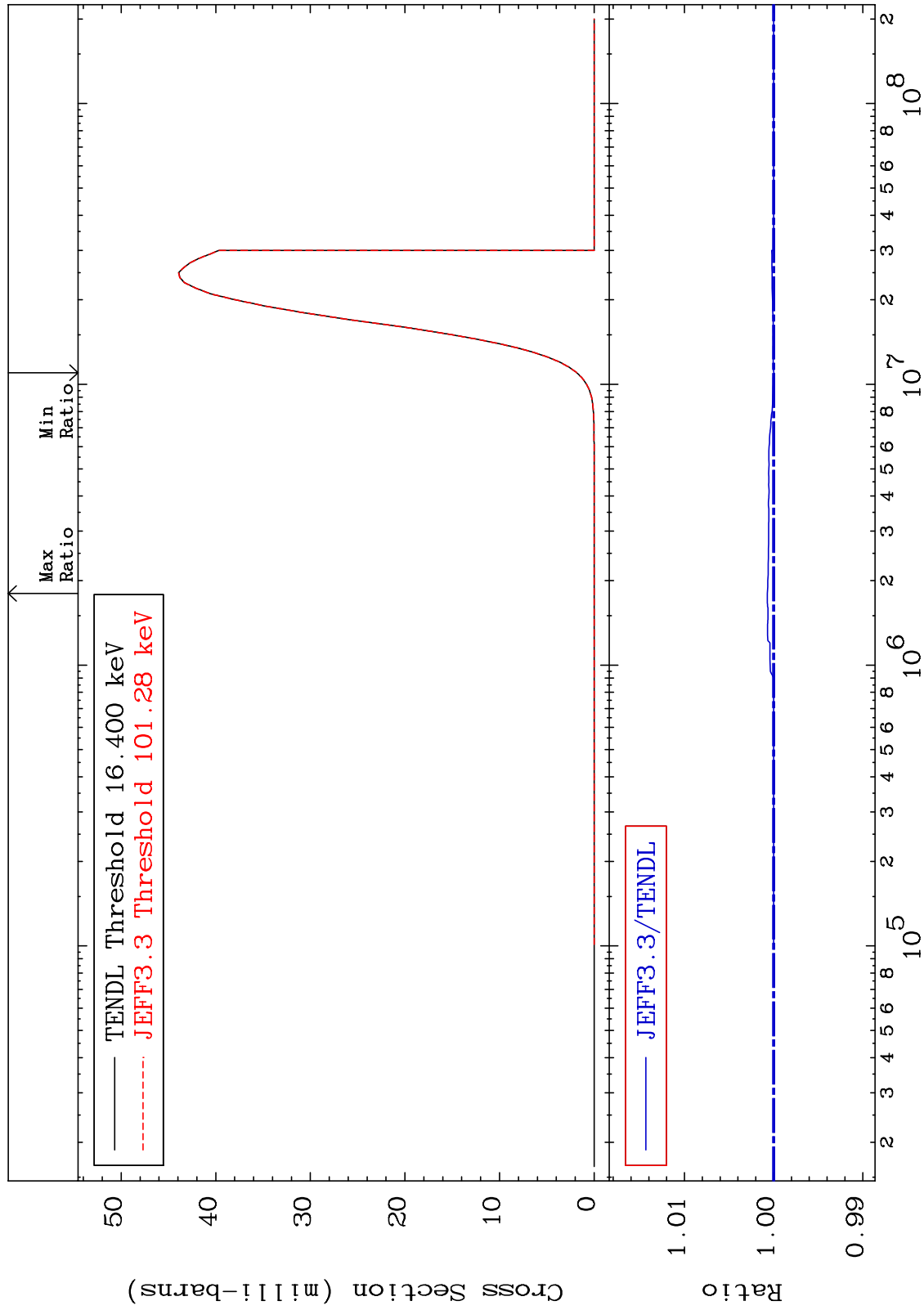
MAT 8125

(n,p)

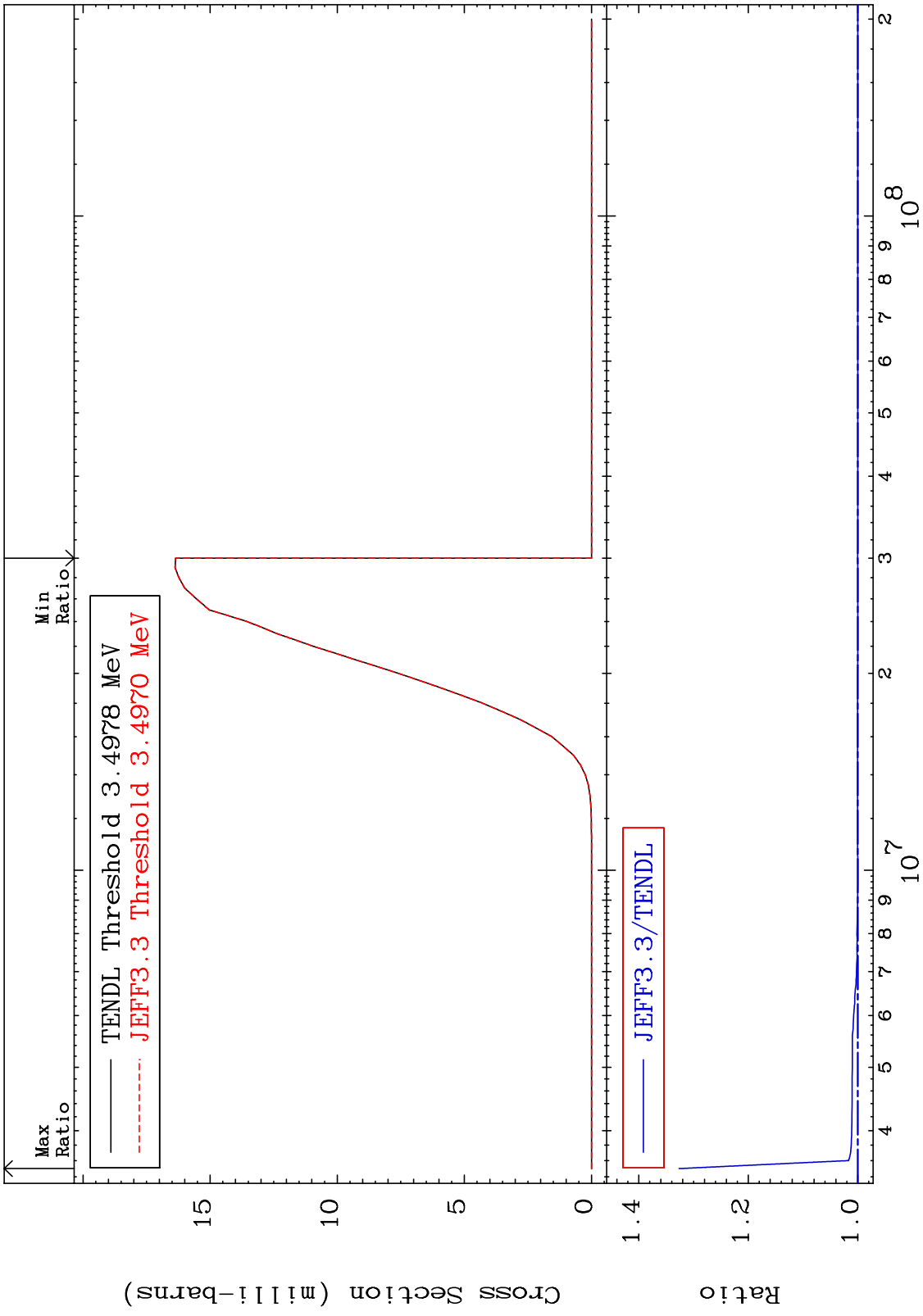
81-Tl-203

Cross Section

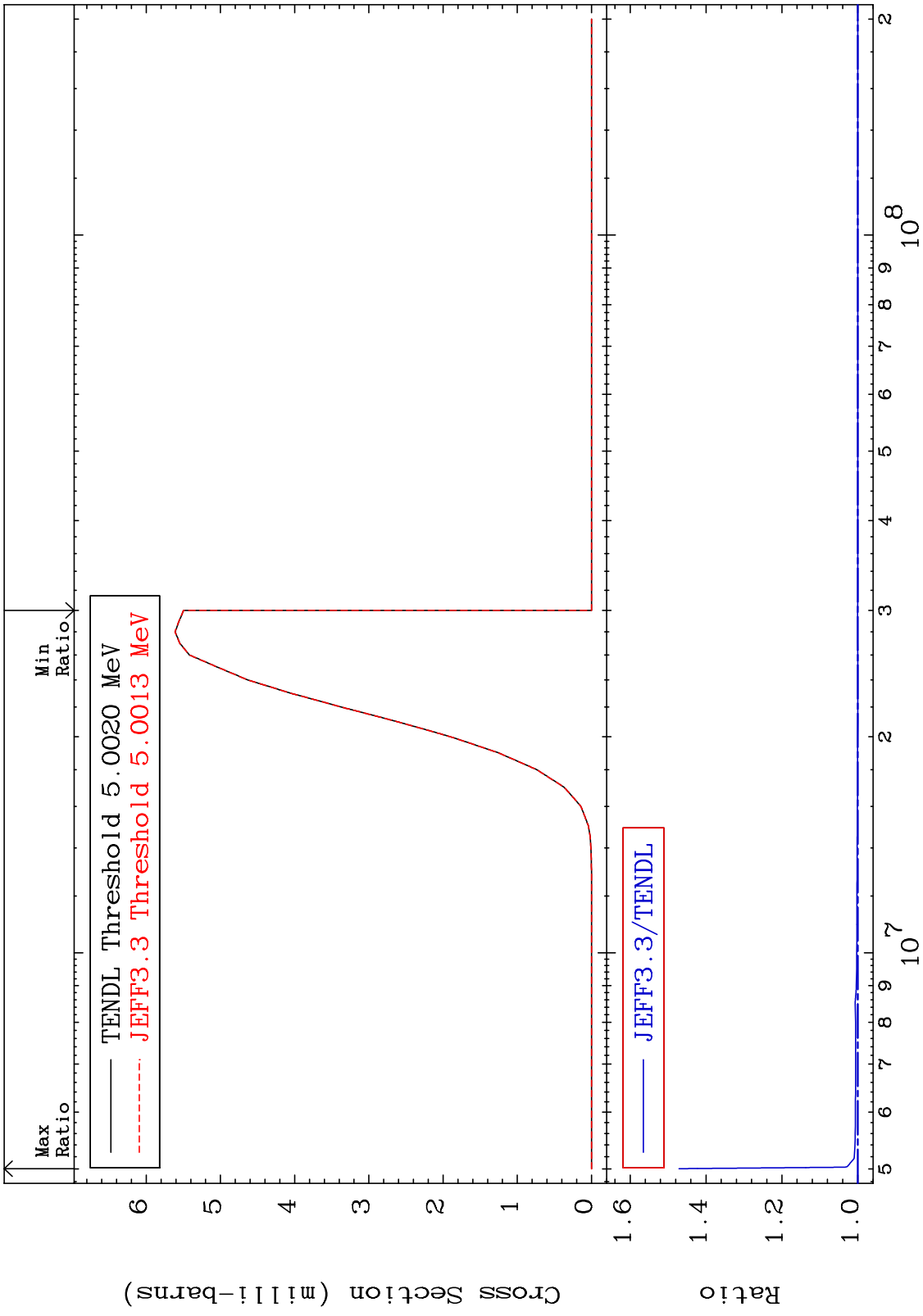
-0.004 To 0.071 %



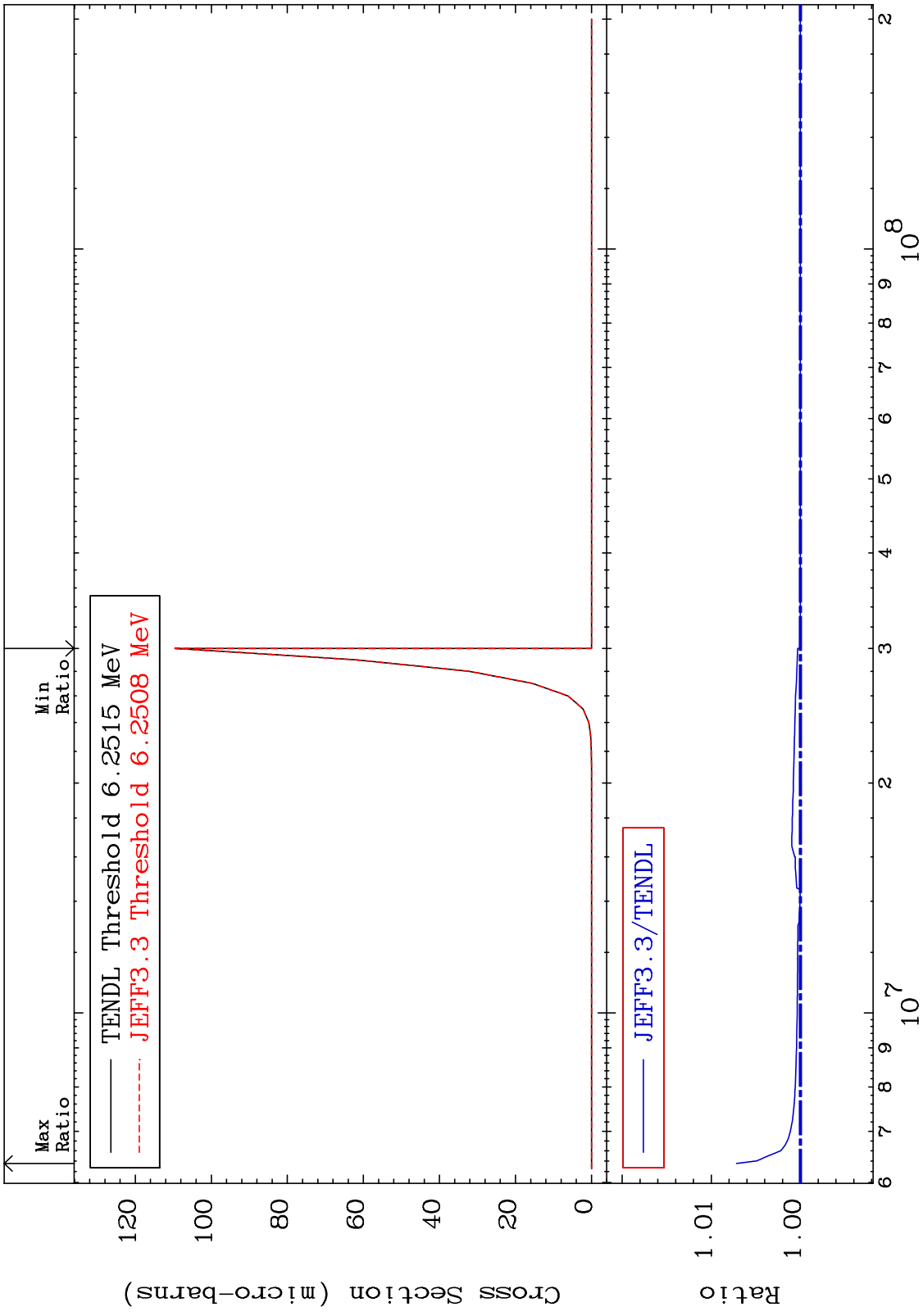
MAT 8125 (n,d) Cross Section 81-Tl-203 To 32.66 %
 0.000



MAT 8125 (n,t) Cross Section 81-Tl-203 To 47.11 %
 0.000



MAT 8125 (n, He-3) Cross Section 81-TI-203 To 0.717 %



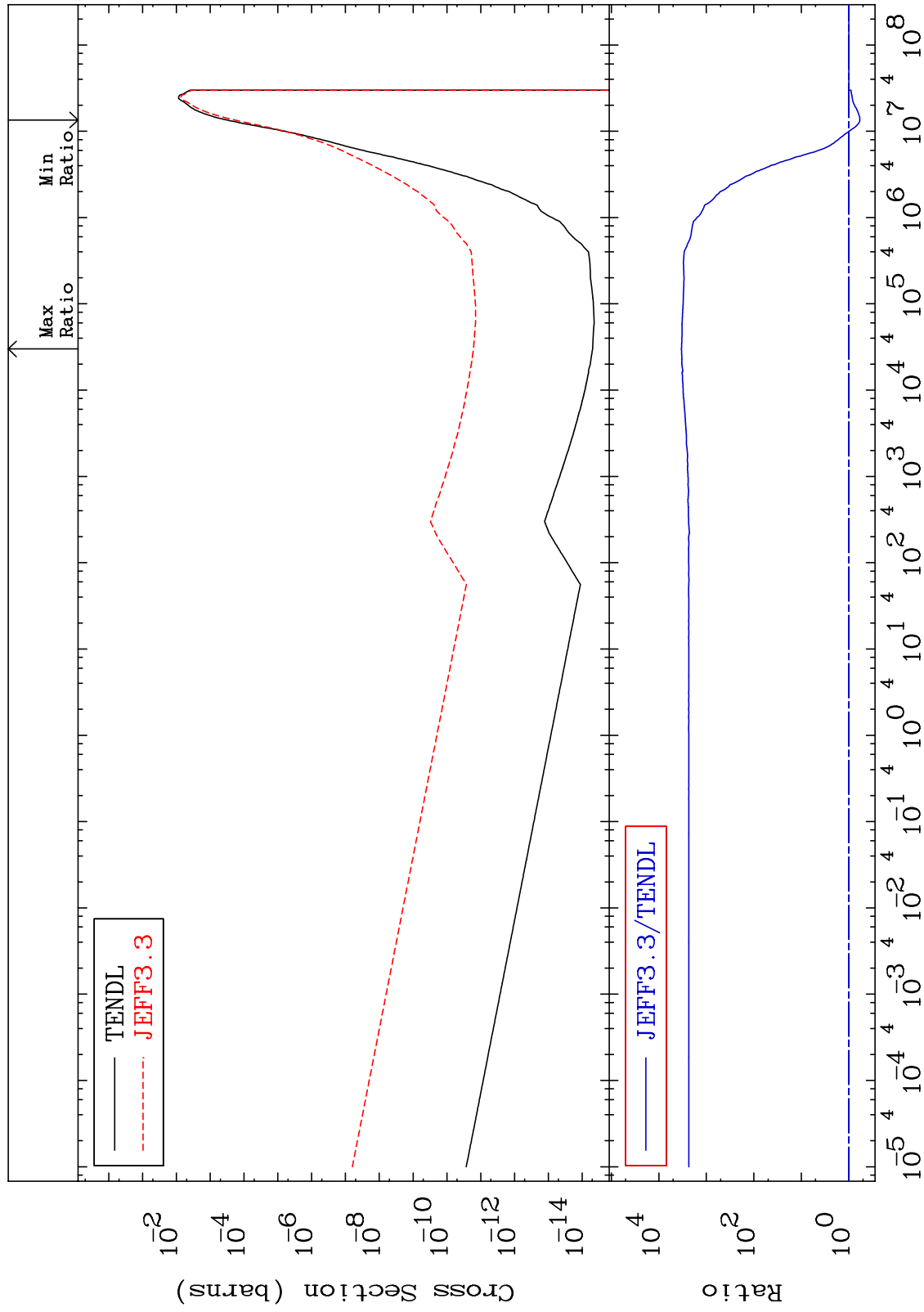
MAT 8125

(n, α)

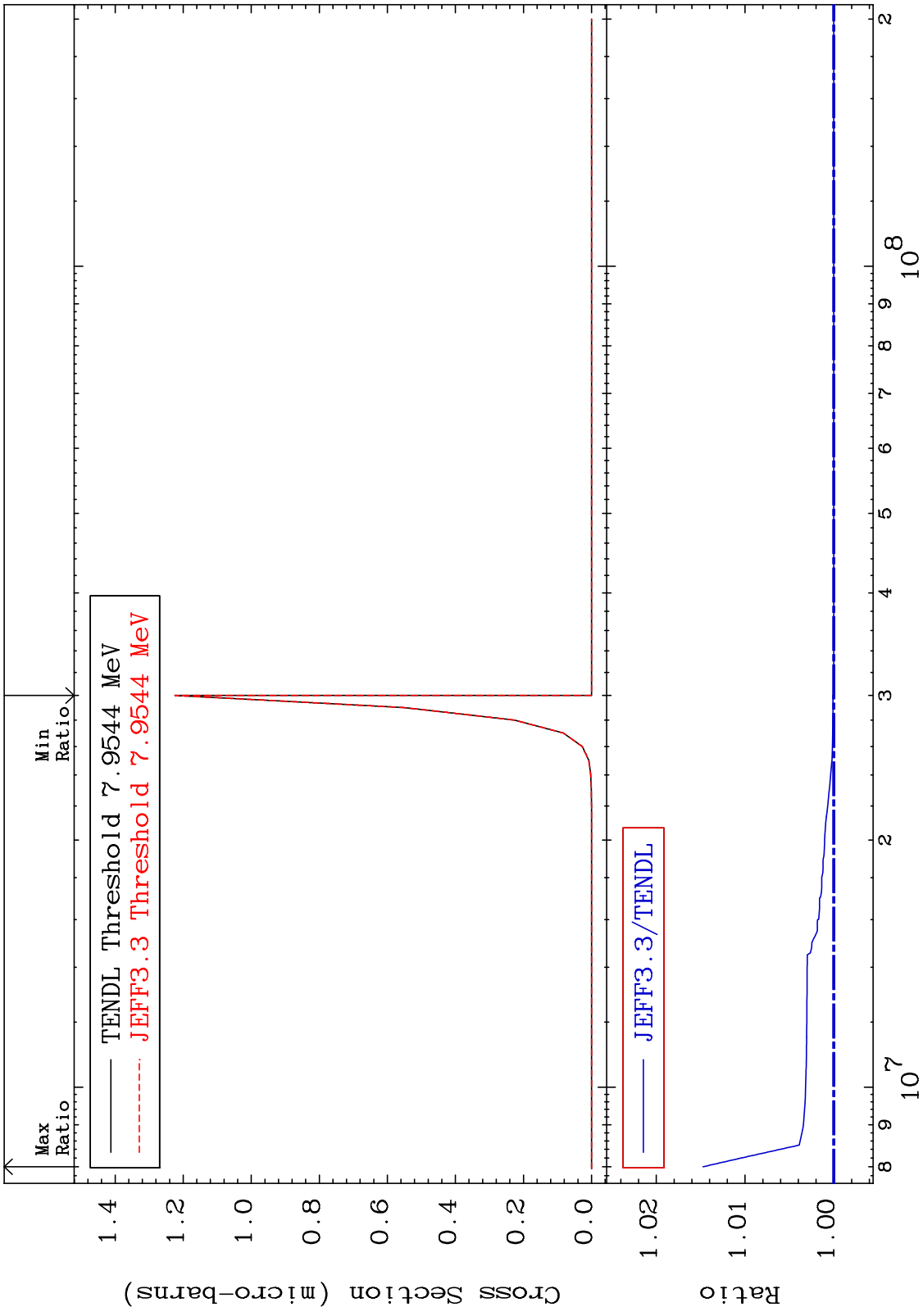
81-T1-203

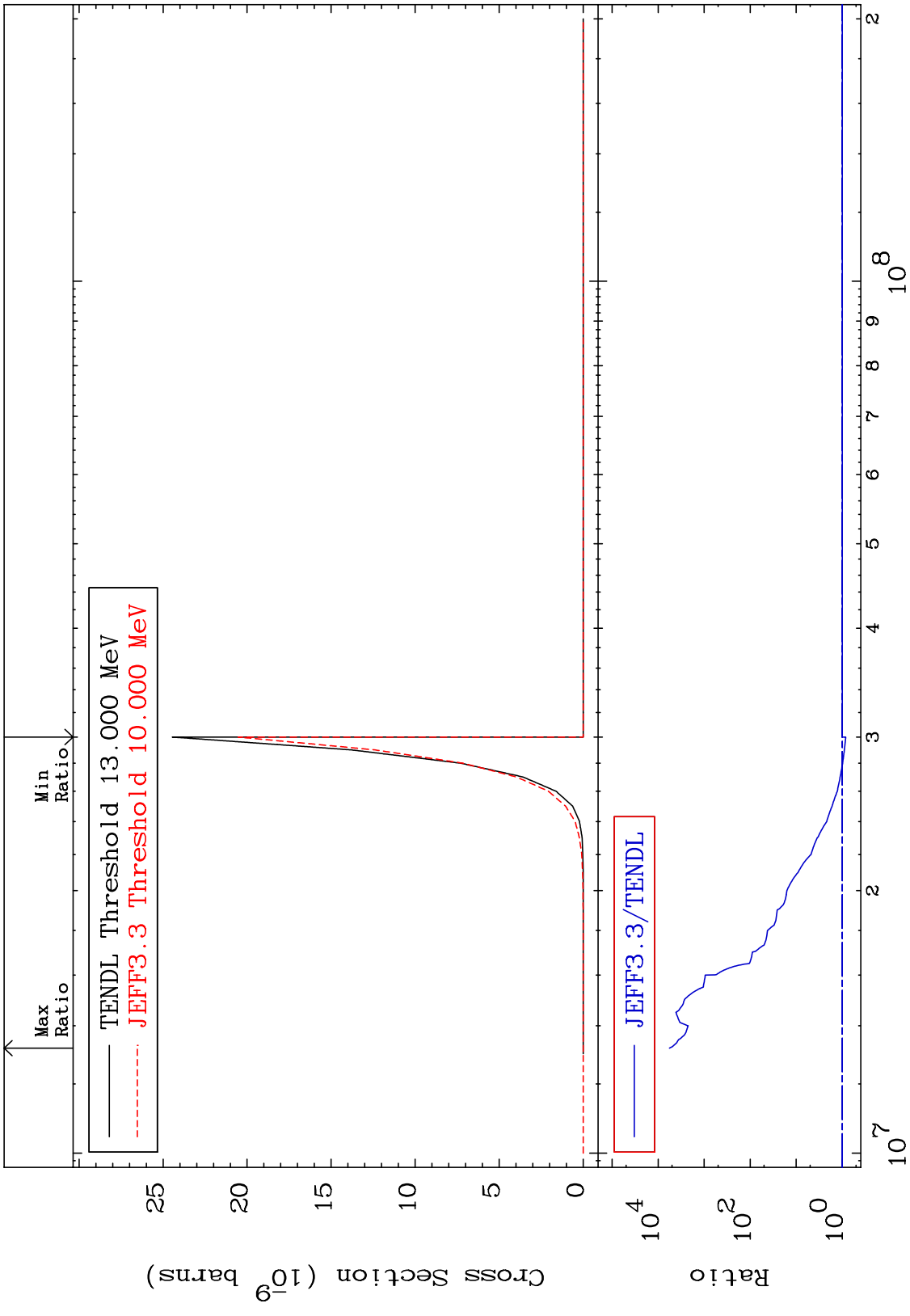
Cross Section

-41.41 To 9999. %



MAT 8125 (n,2p) Cross Section 81-Tl-203 To 1.473 %



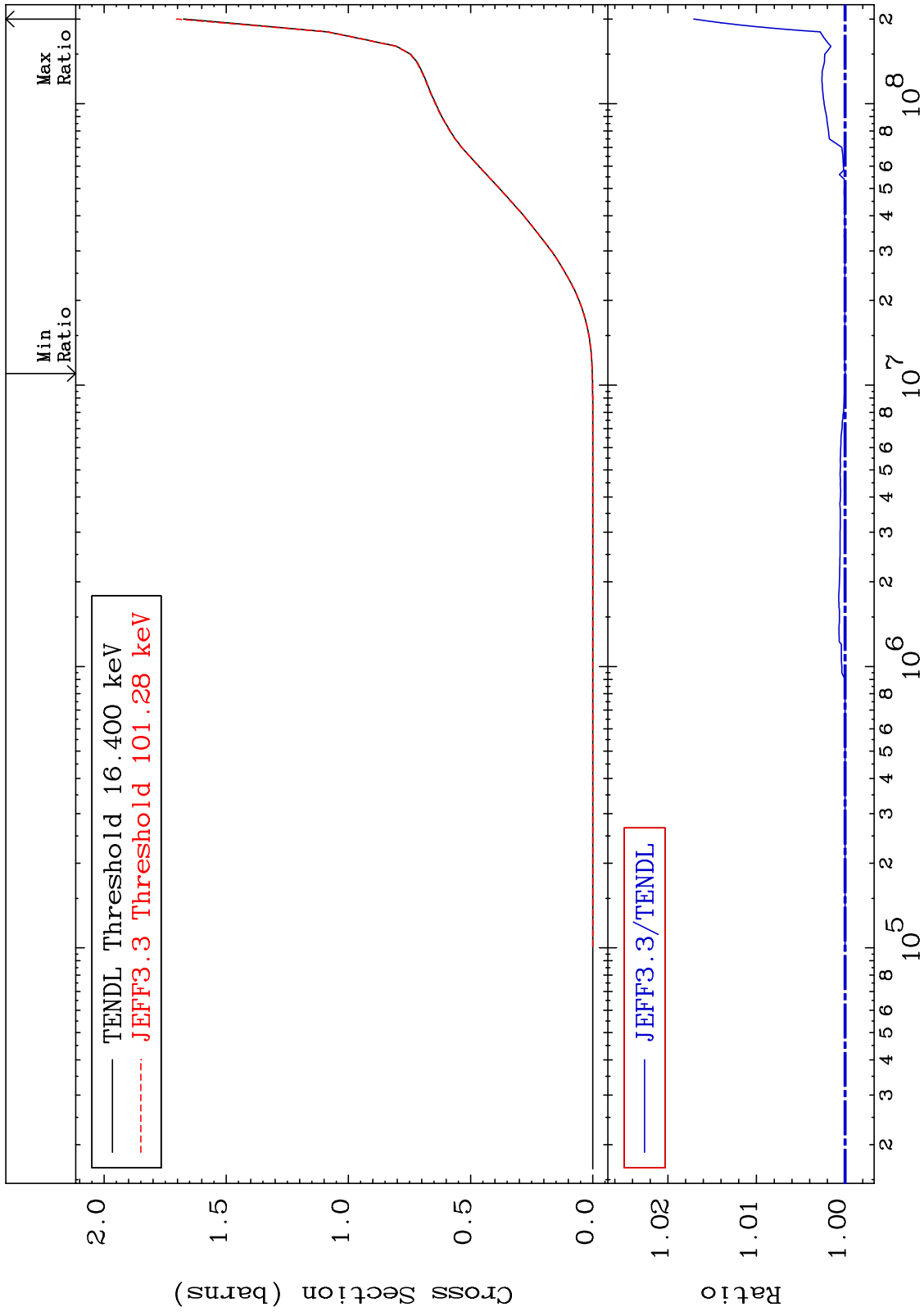


MAT 8125

Hydrogen Production
Cross Section

81-TI-203

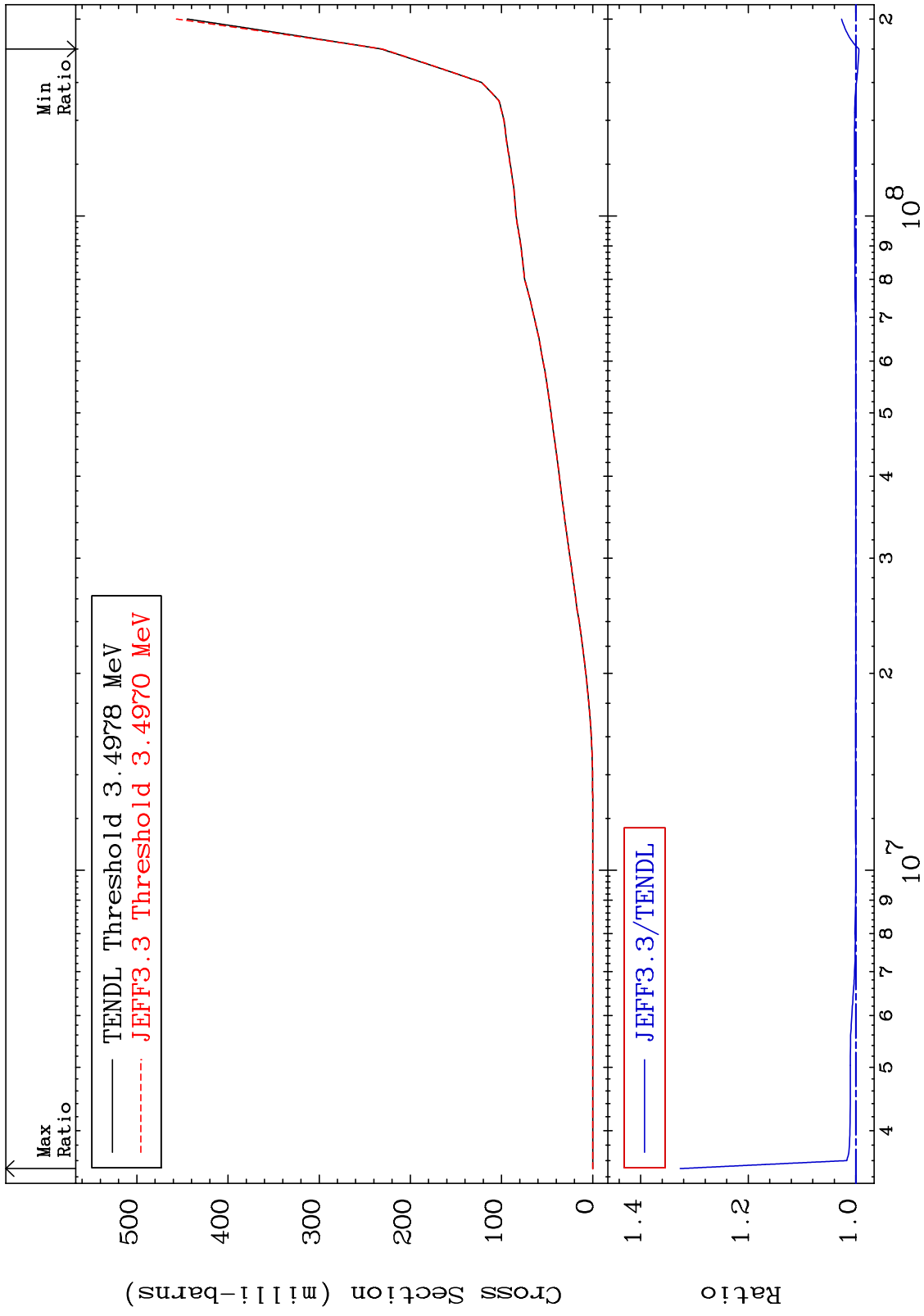
-0.004 To 1.709 %



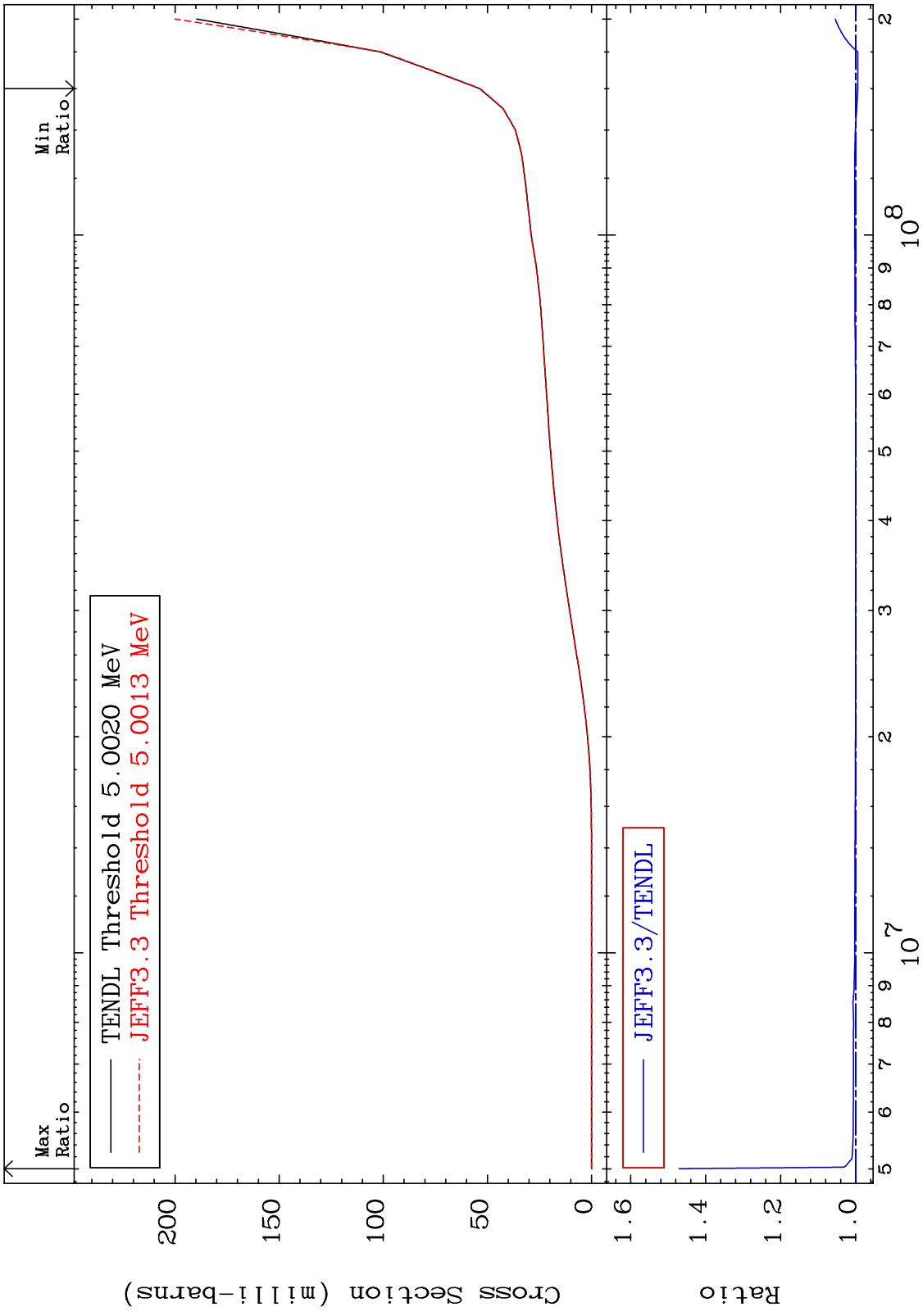
MAT 8125

Deuterium Production
Cross Section

81-TI-203
-0.559 To 32.66 %



MAT 8125 Tritium Production Cross Section 81-TI-203
-0.581 To 47.11 %

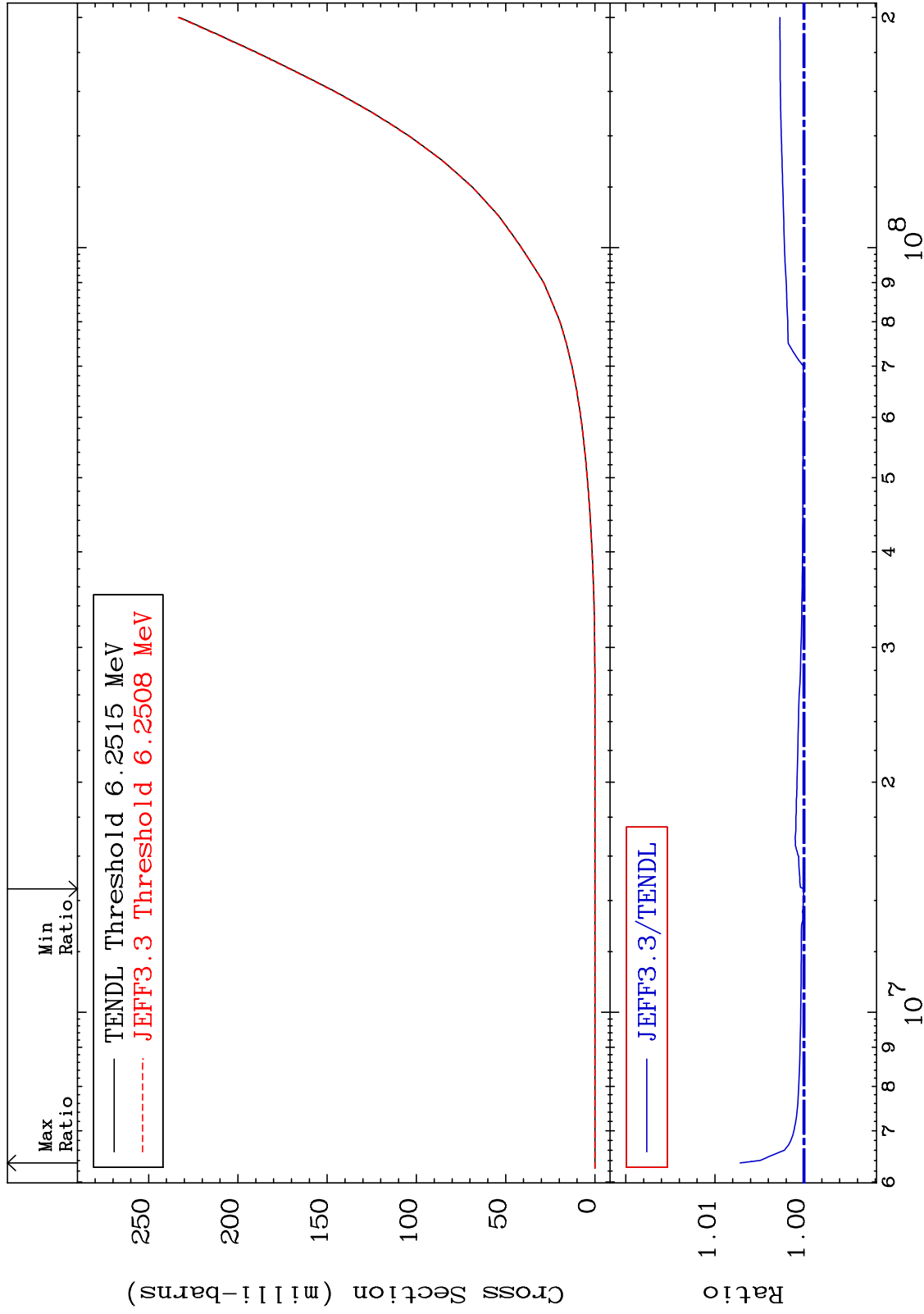


60 81-TI-203

MAT 8125

He-3 Production
Cross Section

81-TI-203
0.004 To 0.717 %



61

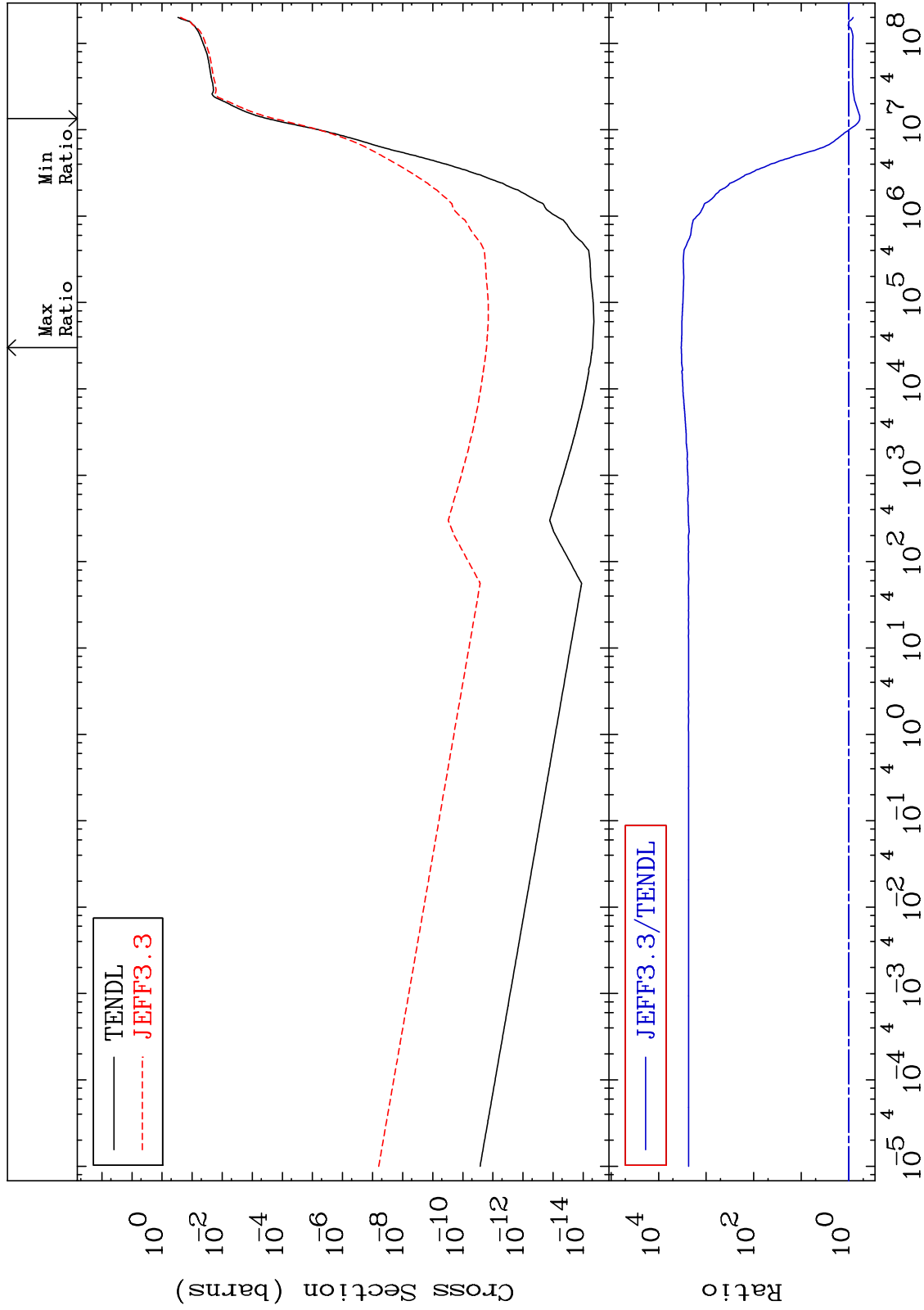
Incident Energy (eV)

81-TI-203

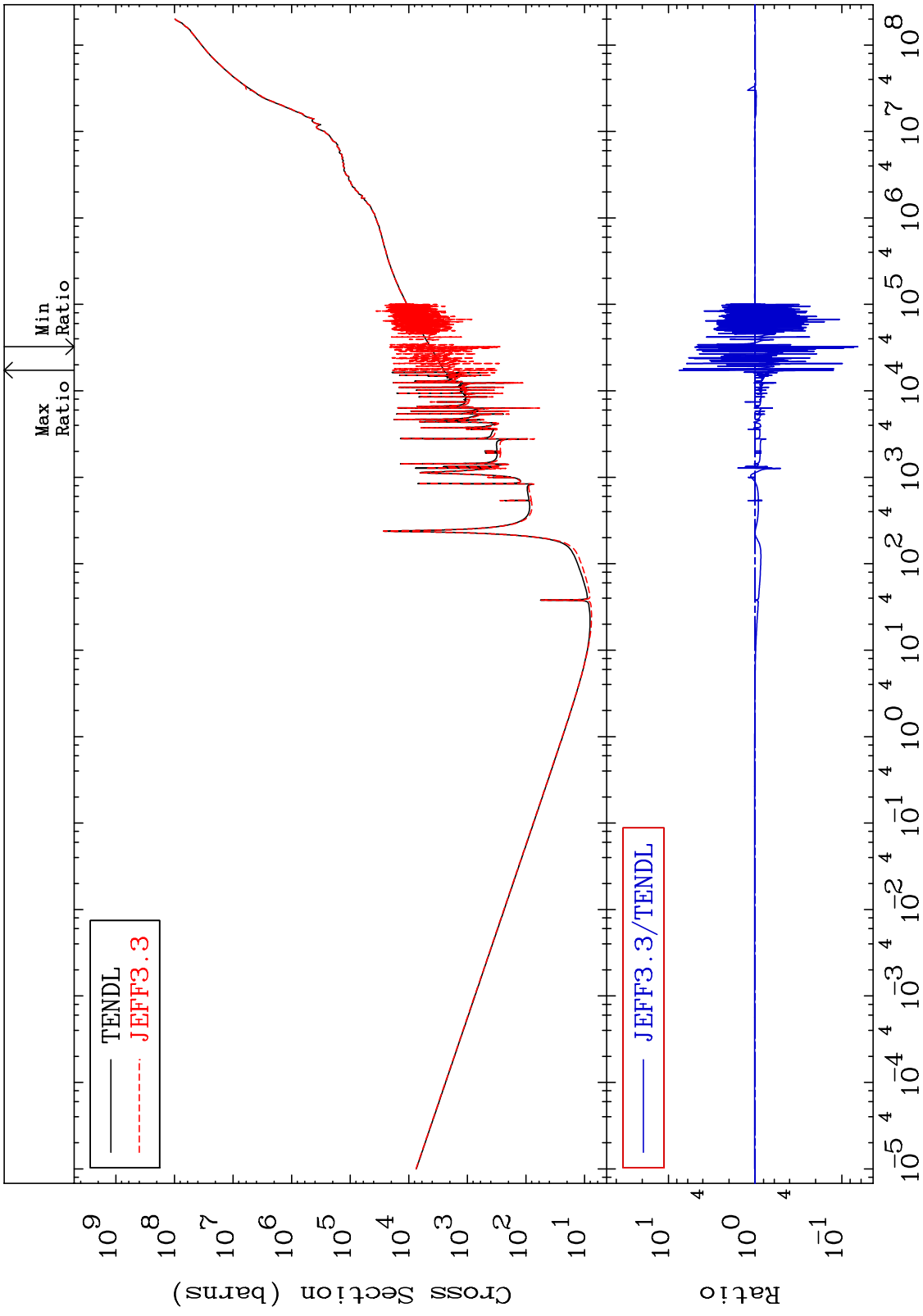
MAT 8125

He-4 Production
Cross Section

81-T1-203
-40.98 To 9999. %



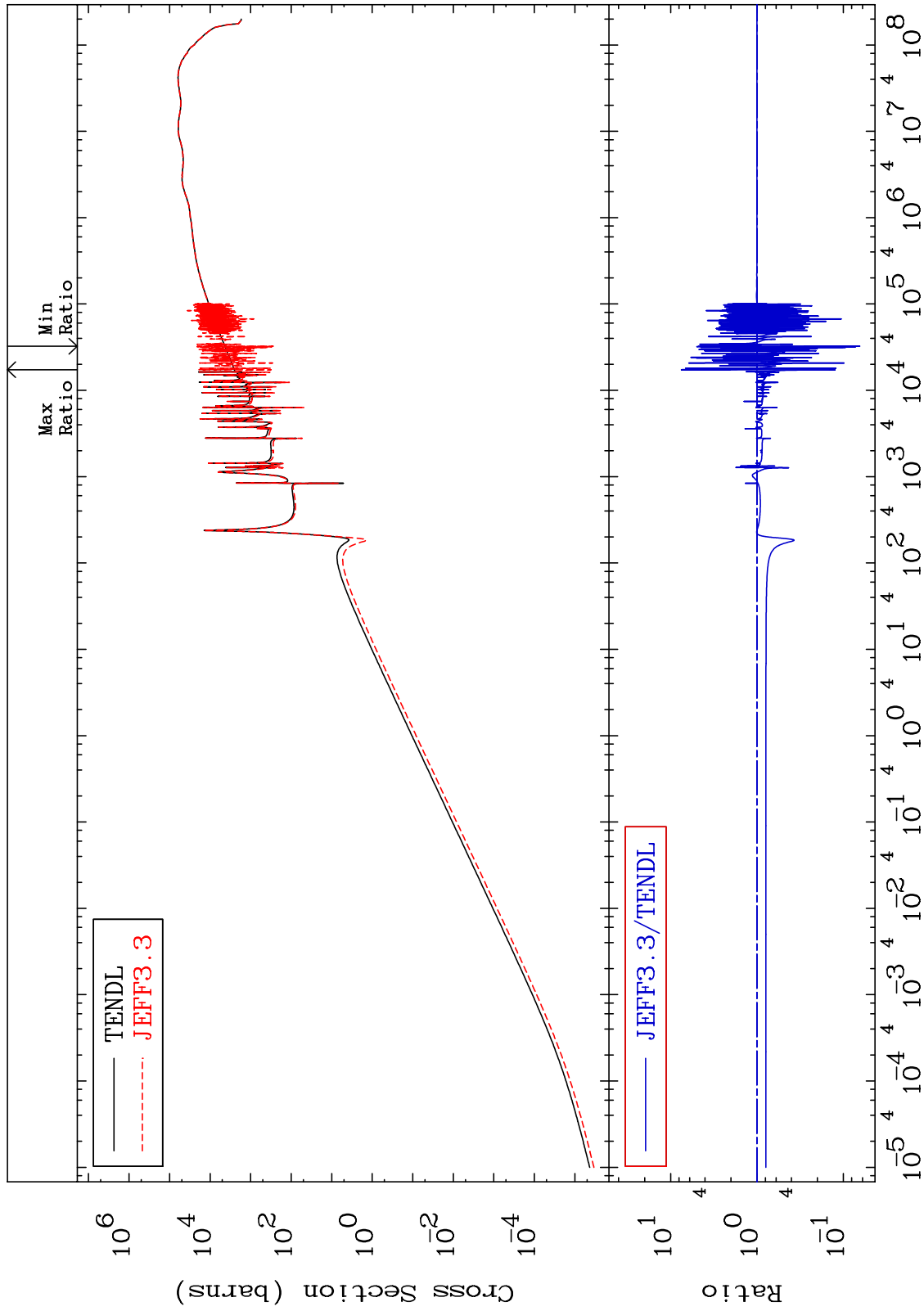
MAT 8125 Kerma total (eV-barns) 81-TI-203
 Cross Section -93.47 To 653.5 %



MAT 8125

Kerma elastic
Cross Section

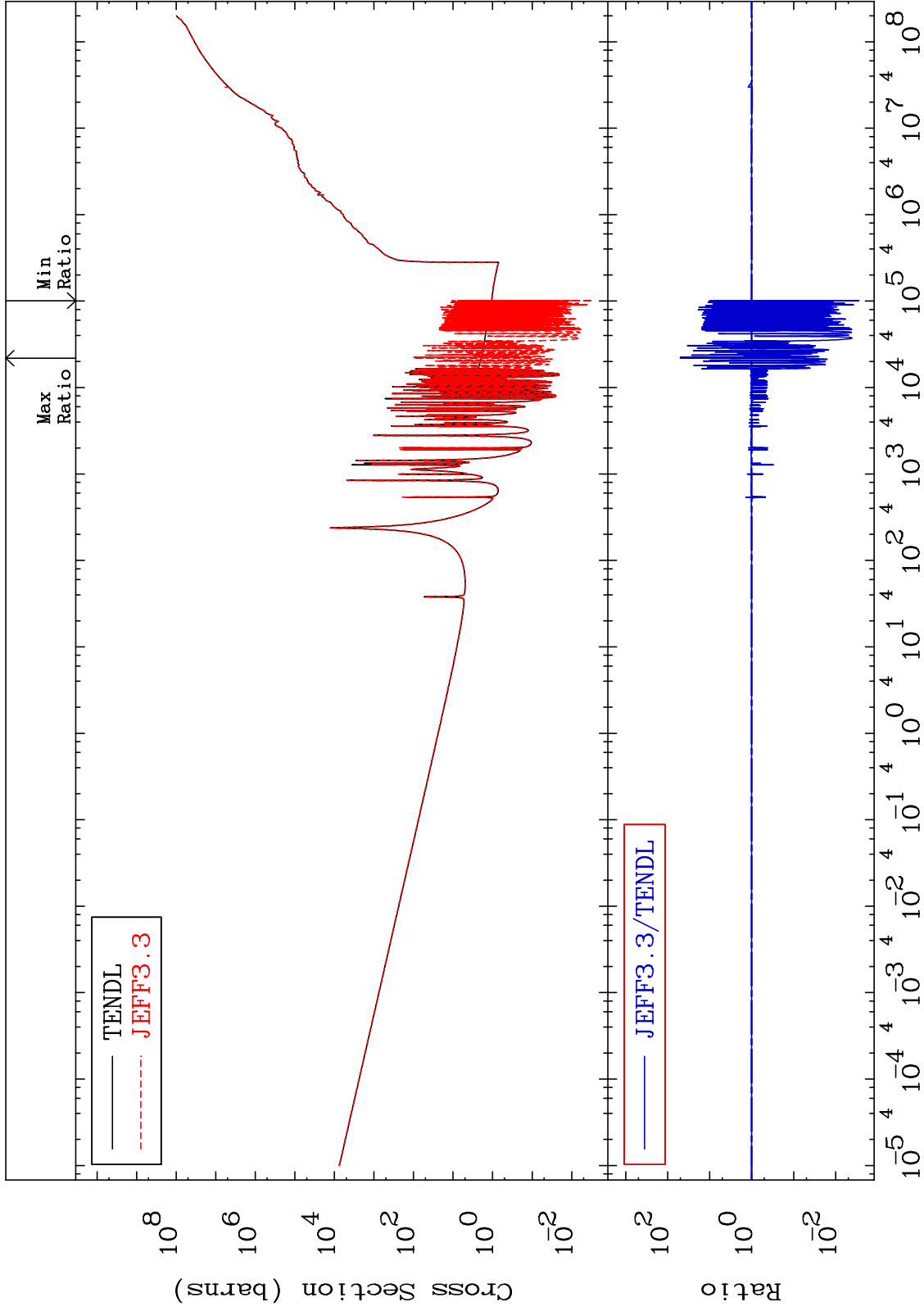
81-TI-203
-93.55 To 653.2 %



MAT 8125

Kerma non-elastic (all but mt2)
Cross Section

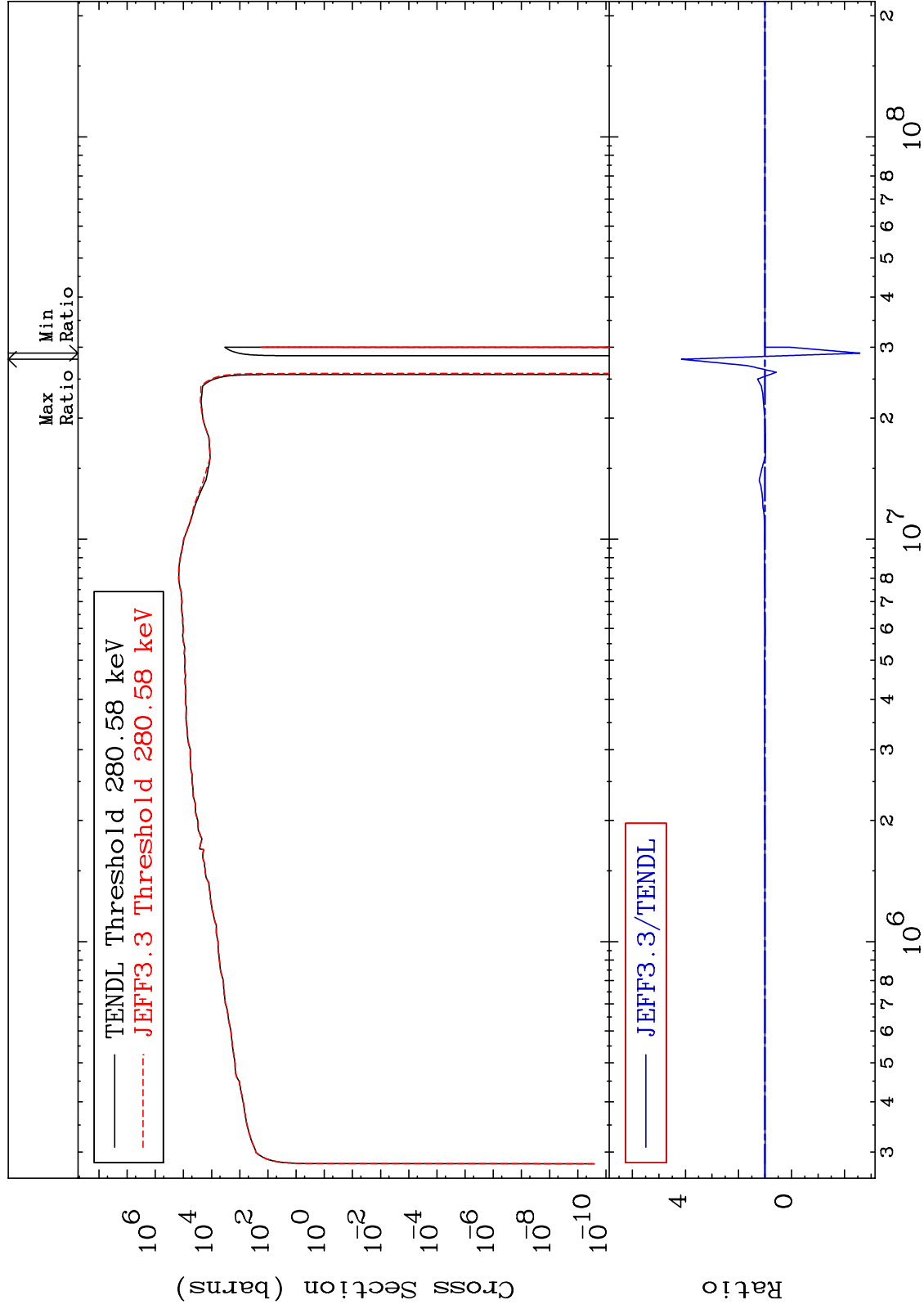
81-TI-203
-99.72 To 4939. %



MAT 8125

Kerma inelastic (mt51-91)
Cross Section

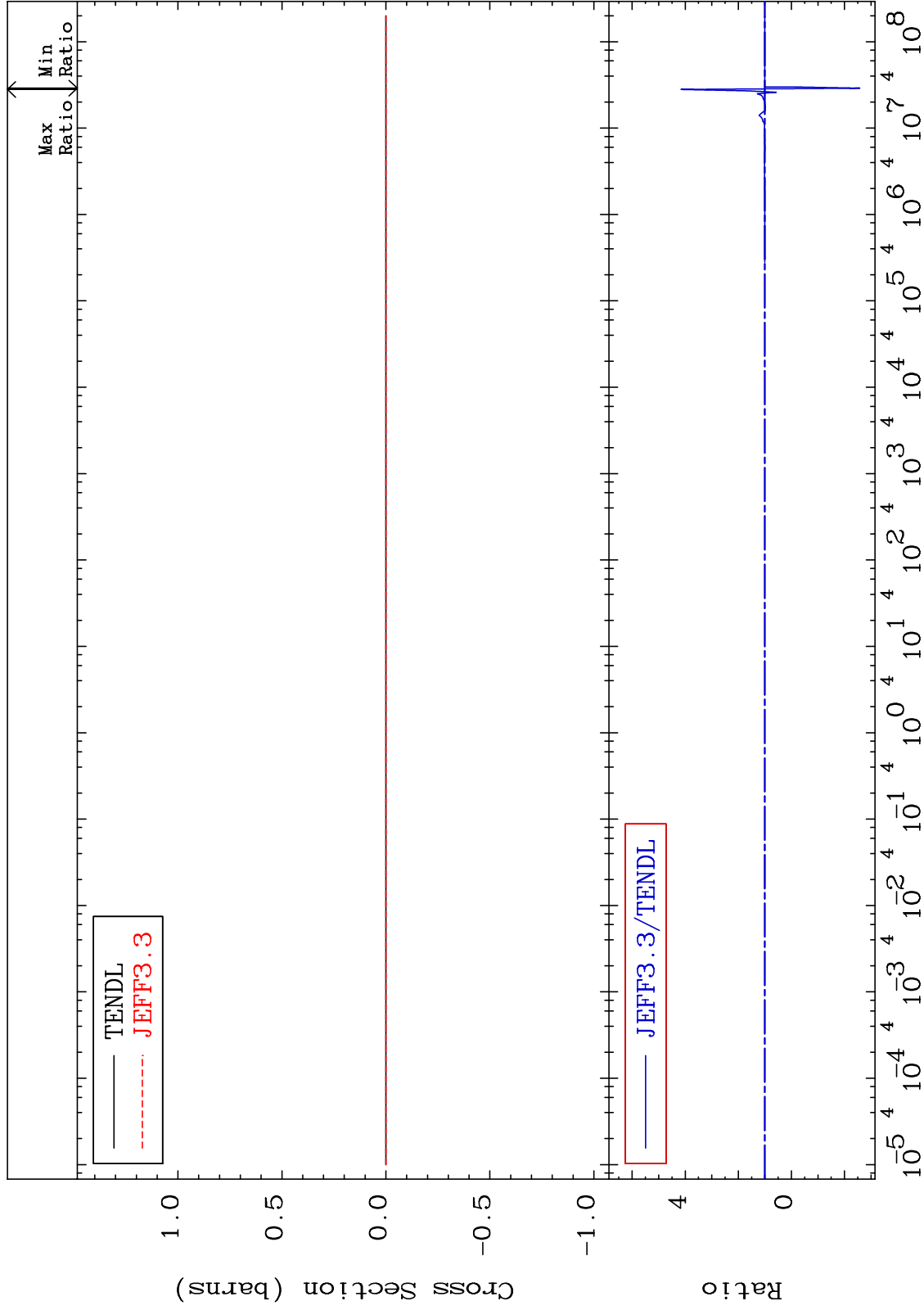
81-TI-203
-357.6 To 315.0 %



MAT 8125

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

81-T1-203
-357.6 To 315.0 %



67

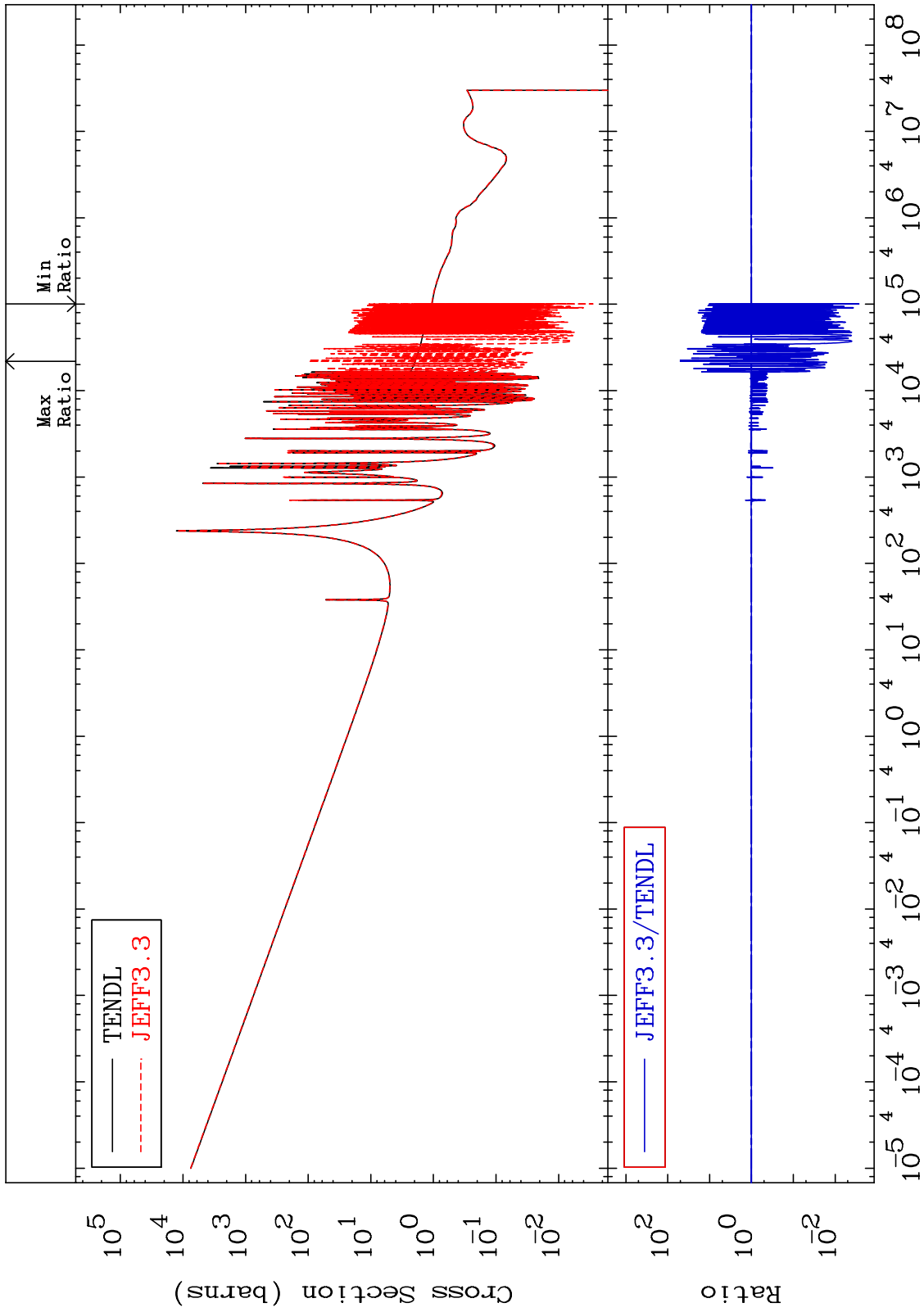
Incident Energy (eV)

81-T1-203

MAT 8125

Kerma capture (mt102)
Cross Section

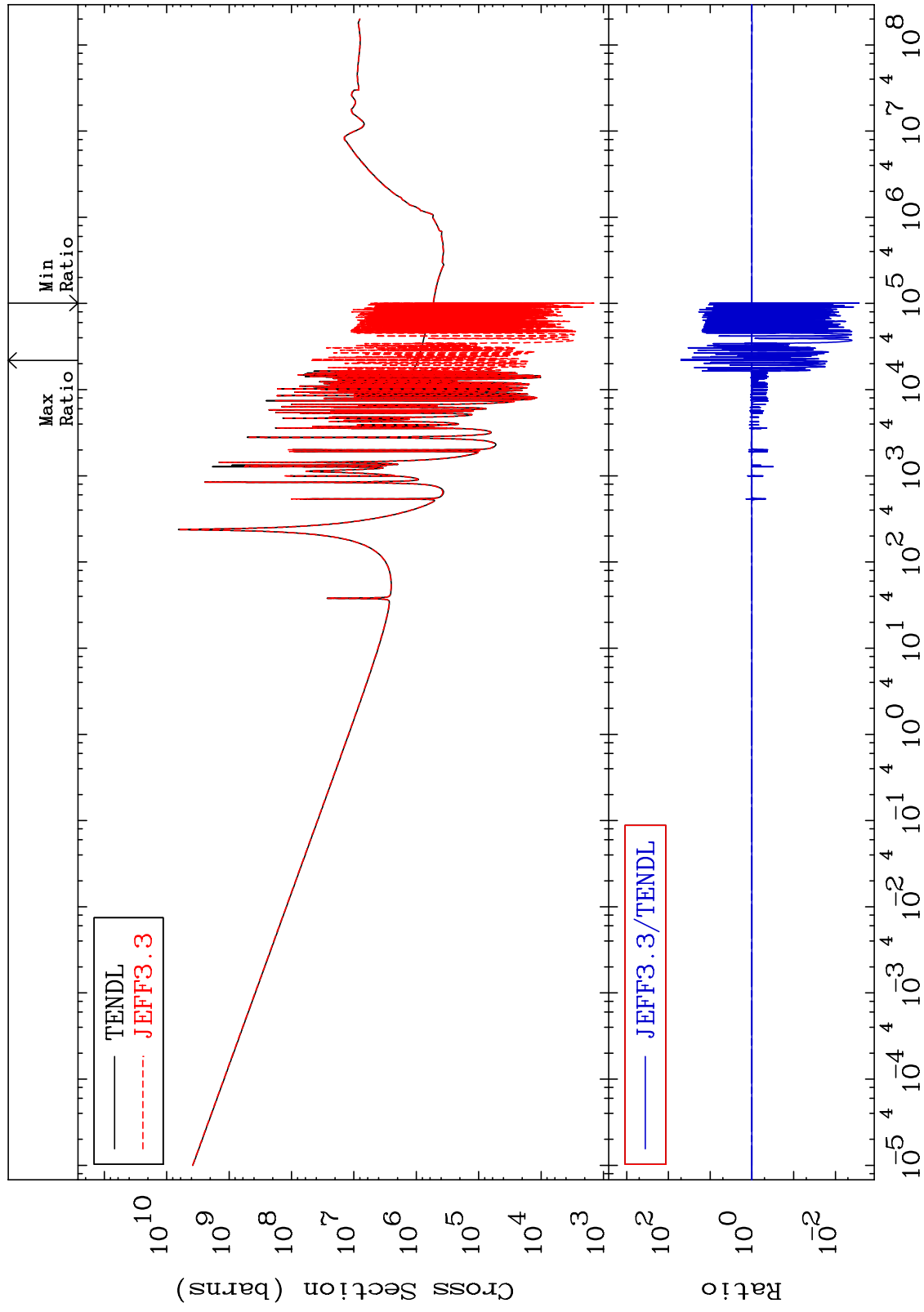
81-TI-203
-99.73 To 4939. %



MAT 8125

Total photon (eV-barns)
Cross Section

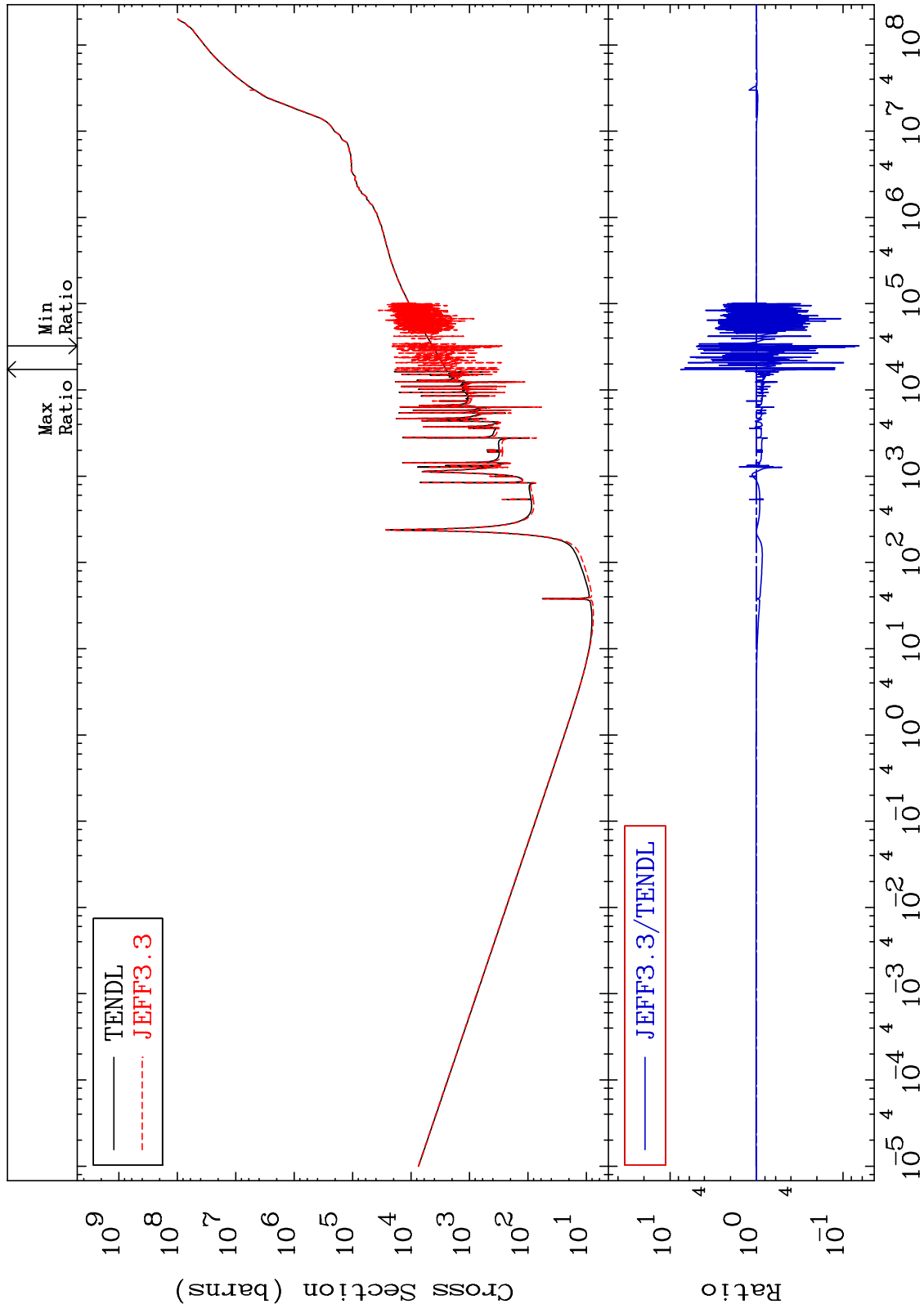
81-TI-203
-99.73 To 4939. %



MAT 8125

Total kinematic kerma (high limit)
Cross Section

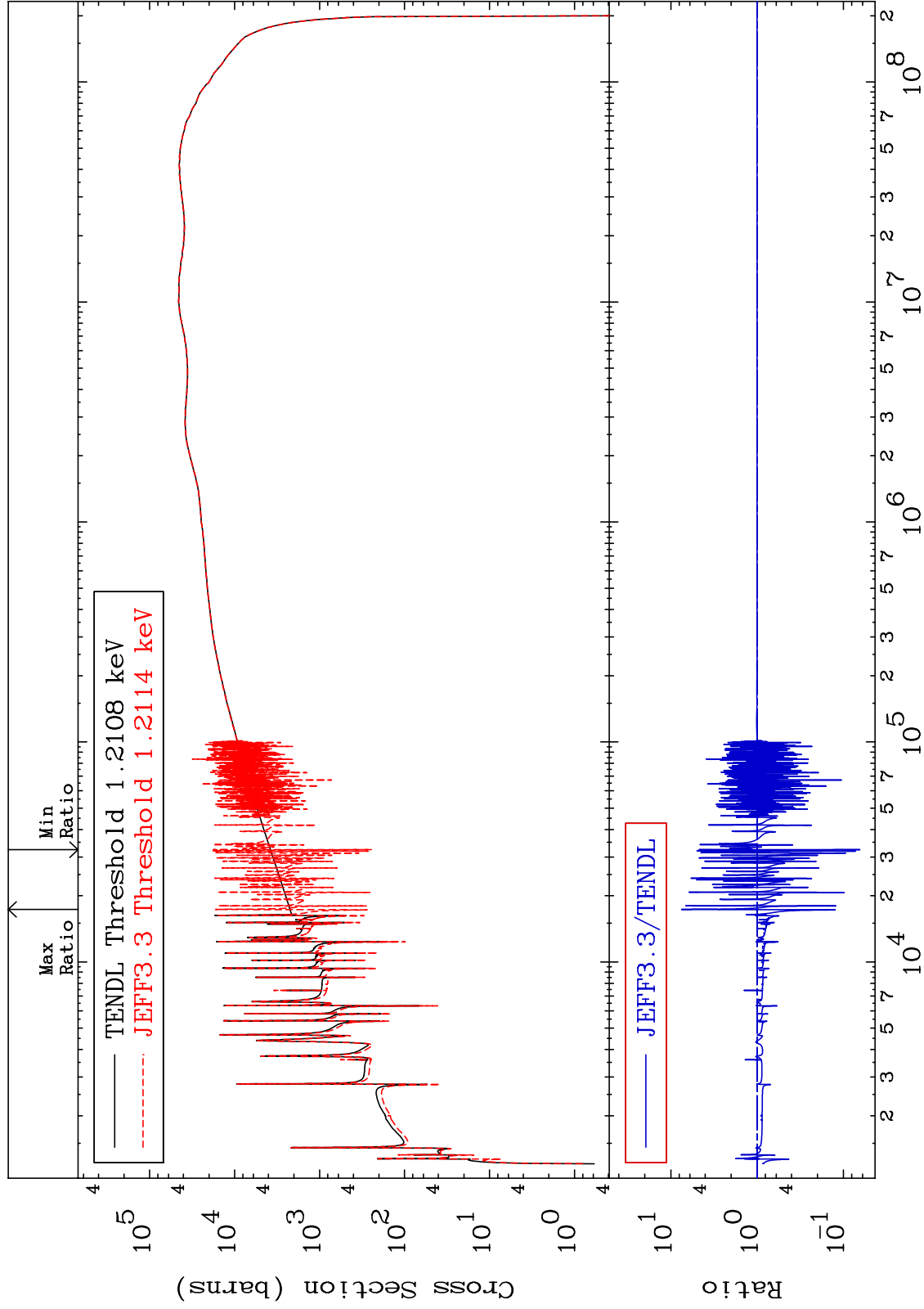
81-TI-203
-93.47 To 653.5 %



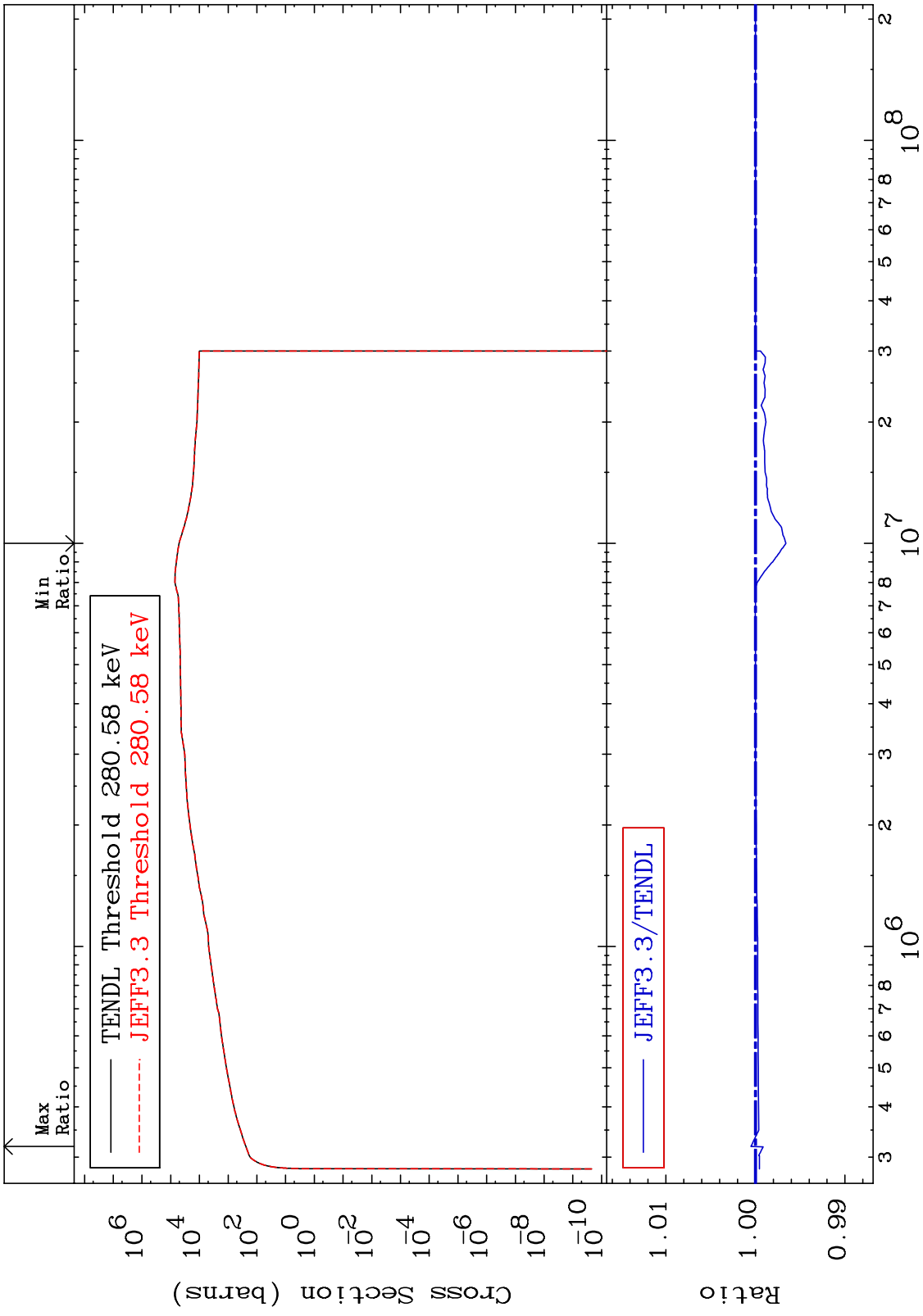
MAT 8125

Dpa elastic (mt2)
Cross Section

81-TI-203
-93.55 To 652.9 %



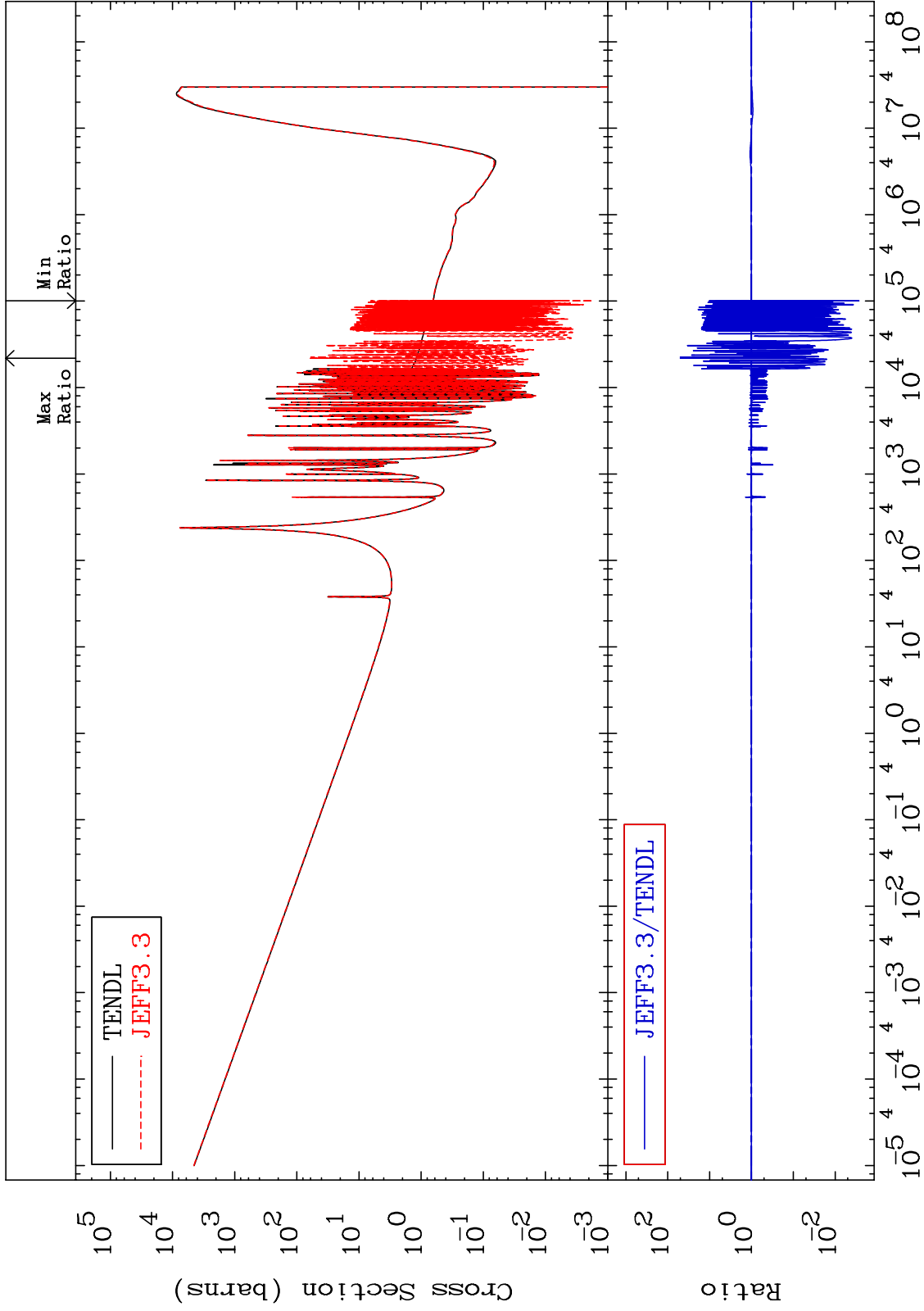
MAT 8125 Dpa inelastic (mt51-91) 81-TI-203
 Cross Section -0.340 To 0.050 %



MAT 8125

Dpa disappearance (mt102 -120)
Cross Section

81-TI-203
-99.73 To 4938. %

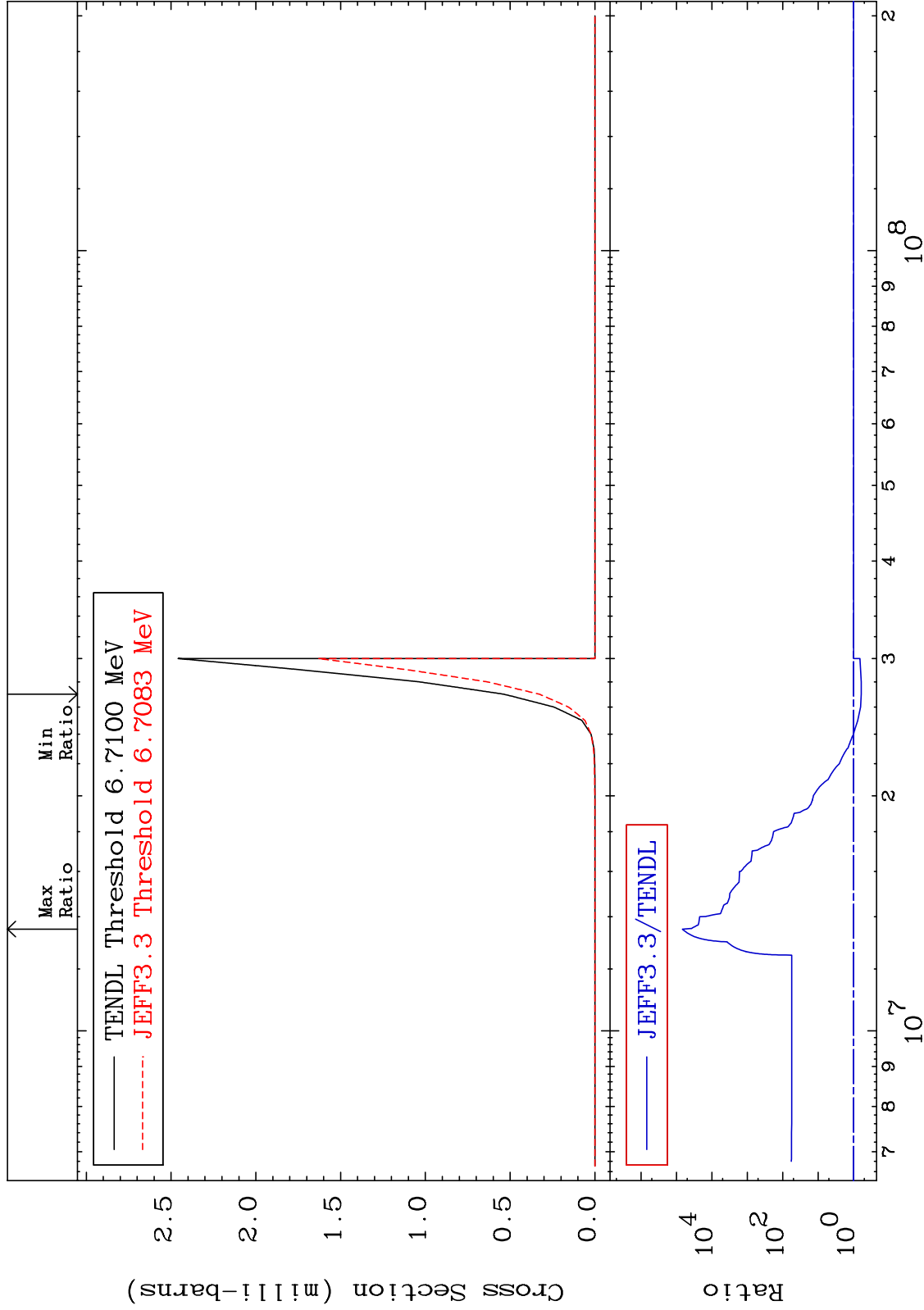


MAT 8125

(n,2n) α : 79-Au-198g

81-TI-203

Radionuclide Production Cross Section -38.99 To 9999. %



75

Incident Energy (eV)

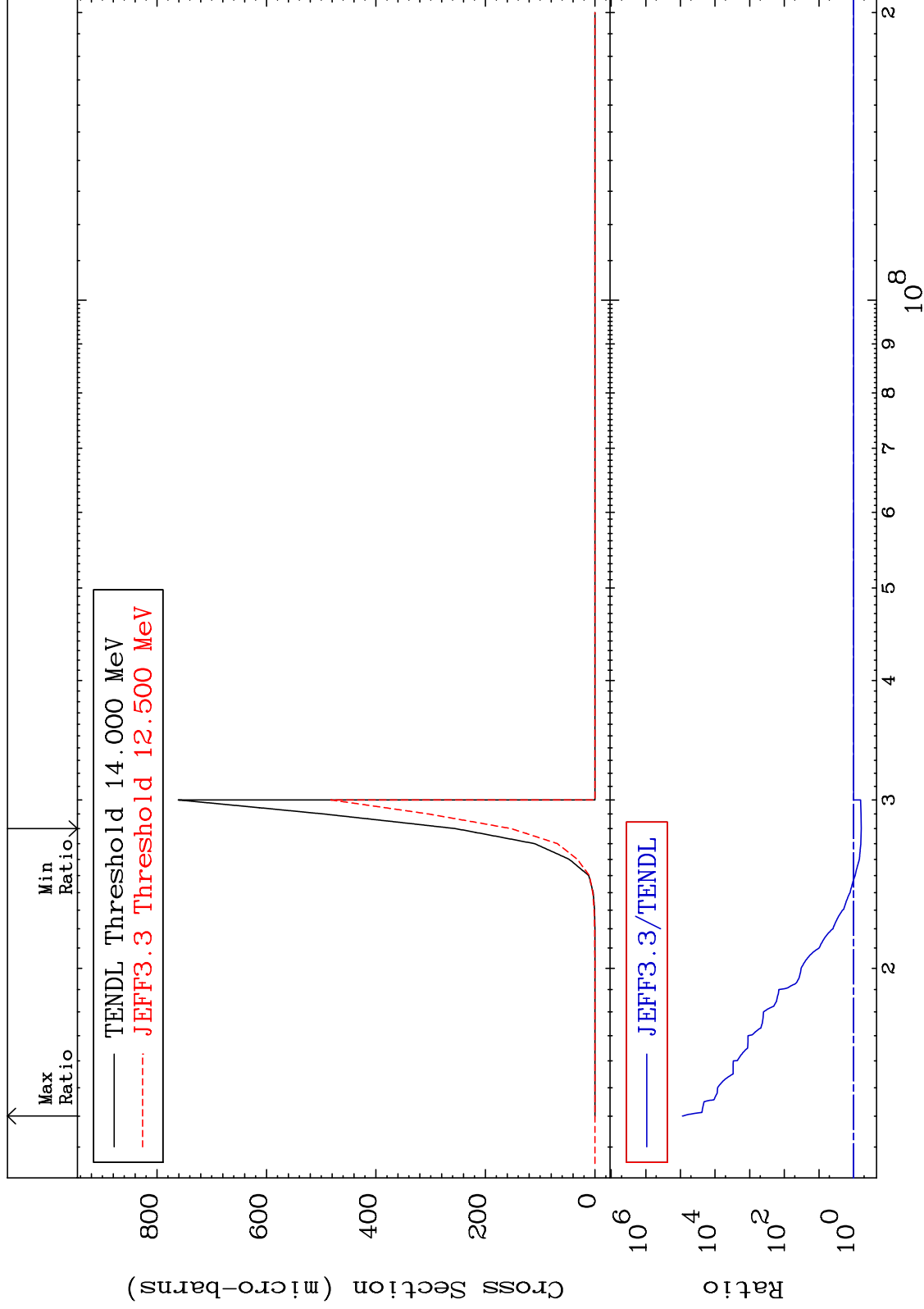
81-TI-203

MAT 8125

(n,2n) α :79-Au-198m10

81-TI-203

Radionuclide Production Cross Section -39.88 To 9999. %

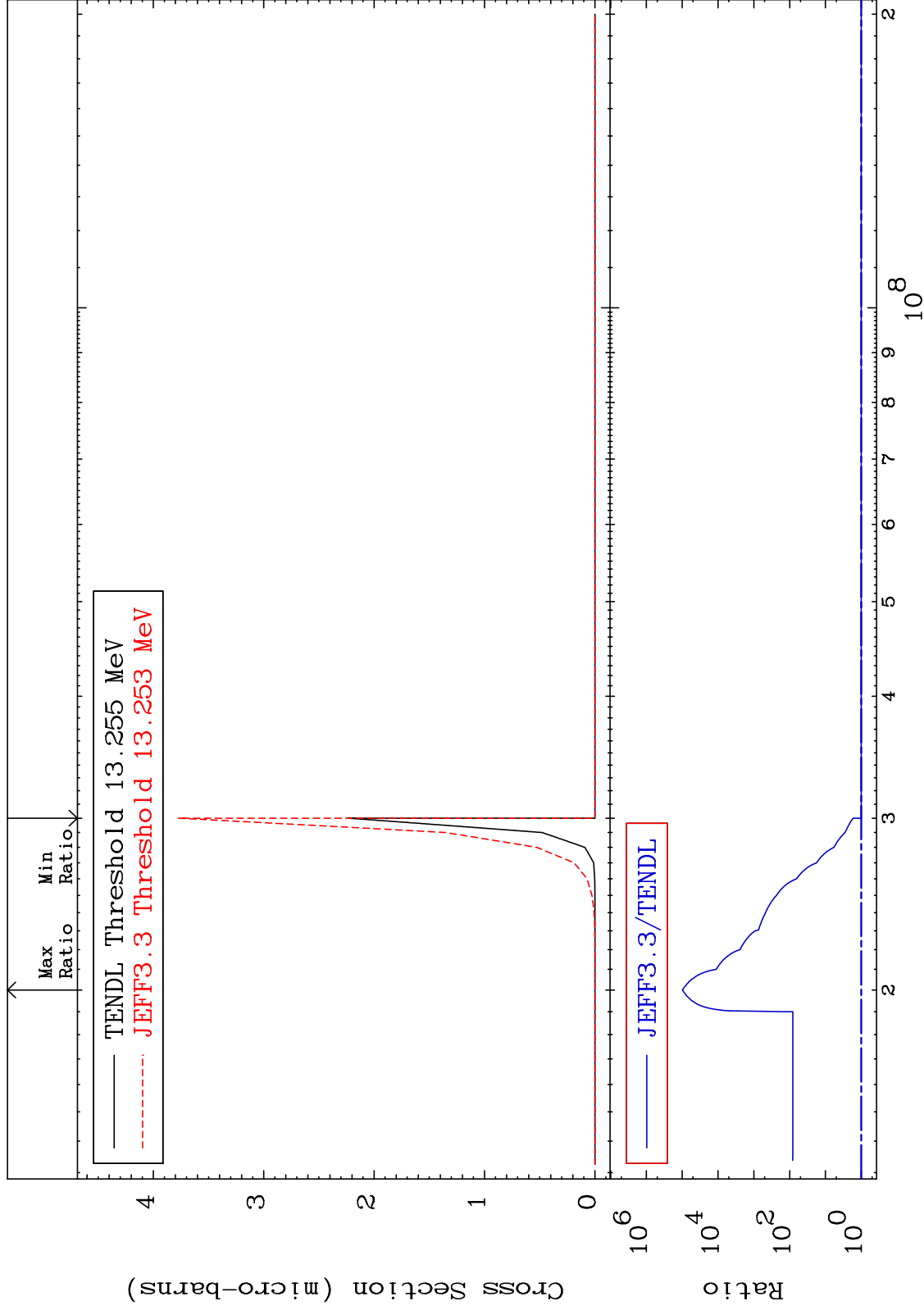


MAT 8125

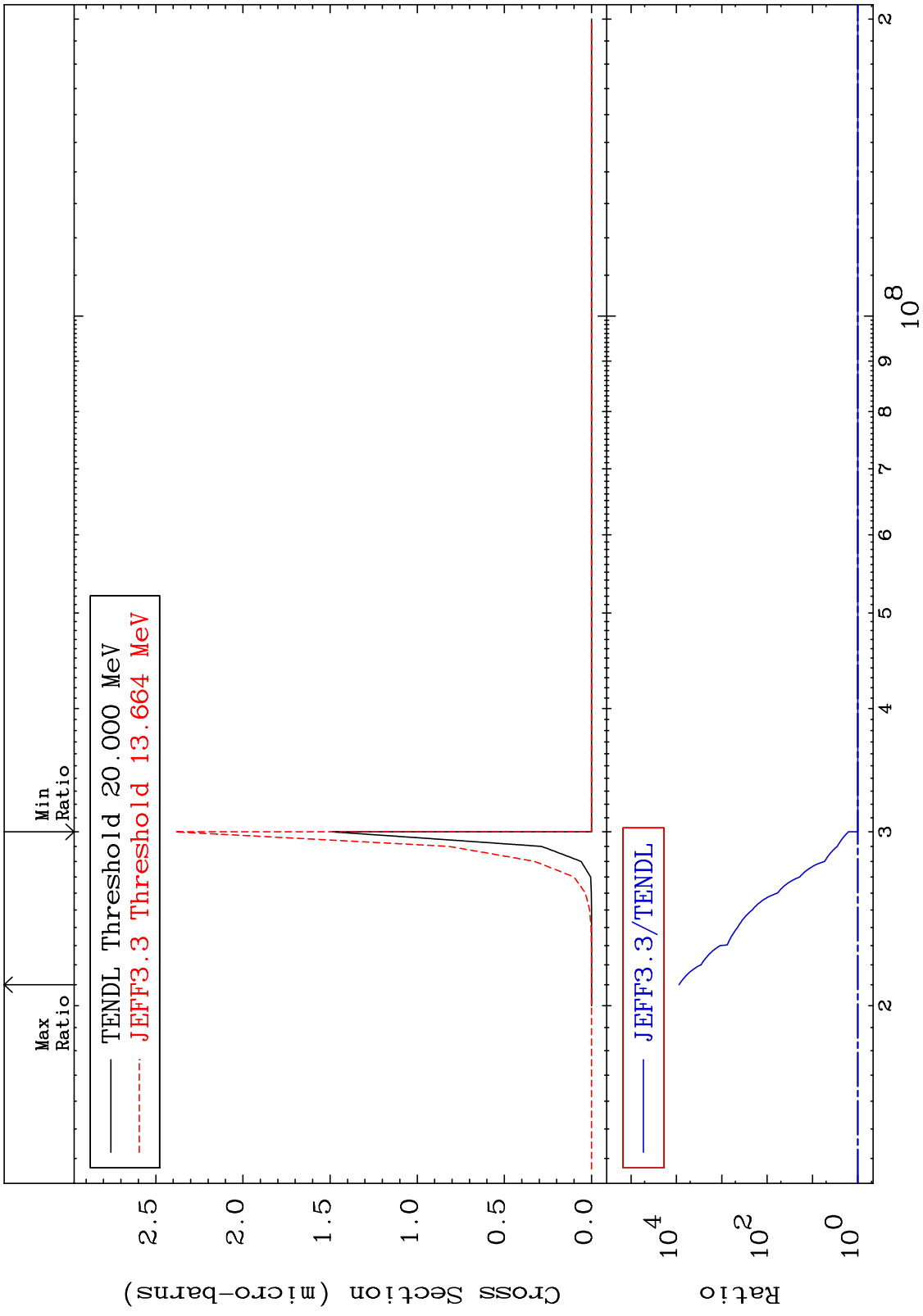
(n,3n) α :79-Au-197g

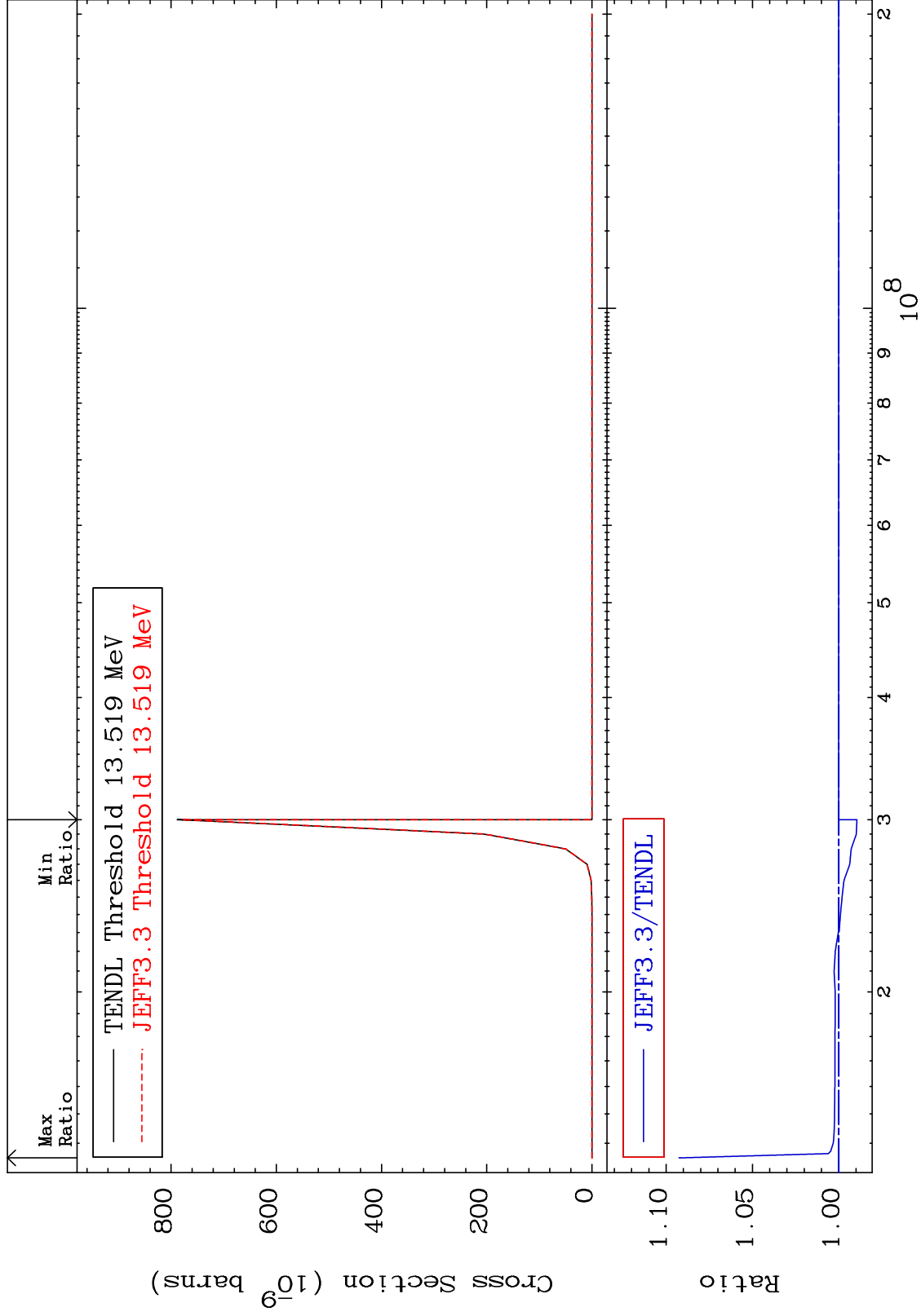
81-Tl-203

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 8125 (n,3n) α :79-Au-197m4 81-Tl-203
 Radionuclide Production Cross Section 0.000 To 9999. %





Radionuclide Production Cross Section -20.11 To 9999. %

