

Program Complot
(Version 2018-1)

by

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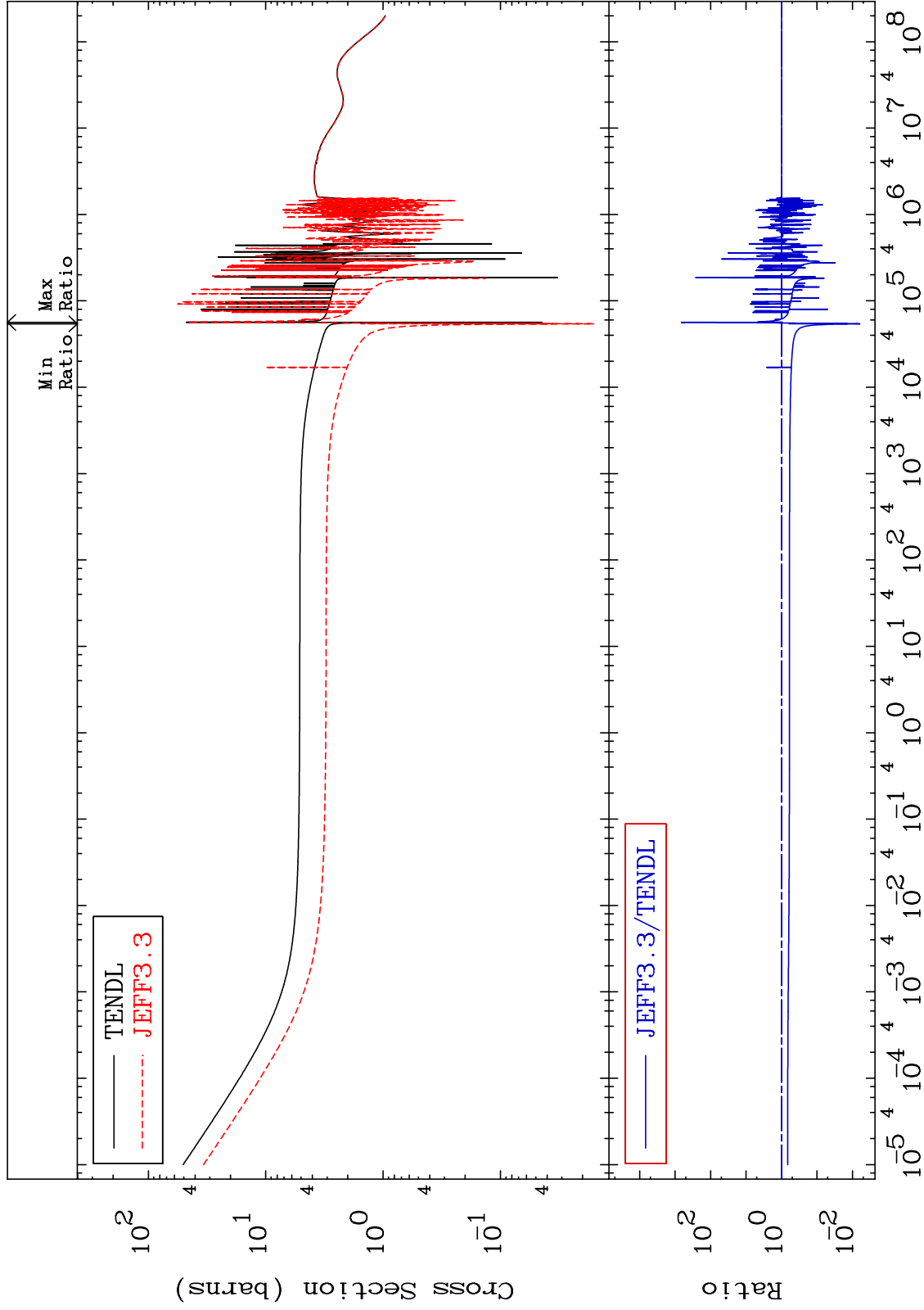
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2237

Total
Cross Section

22-Ti-50
-99.38 To 9999. %



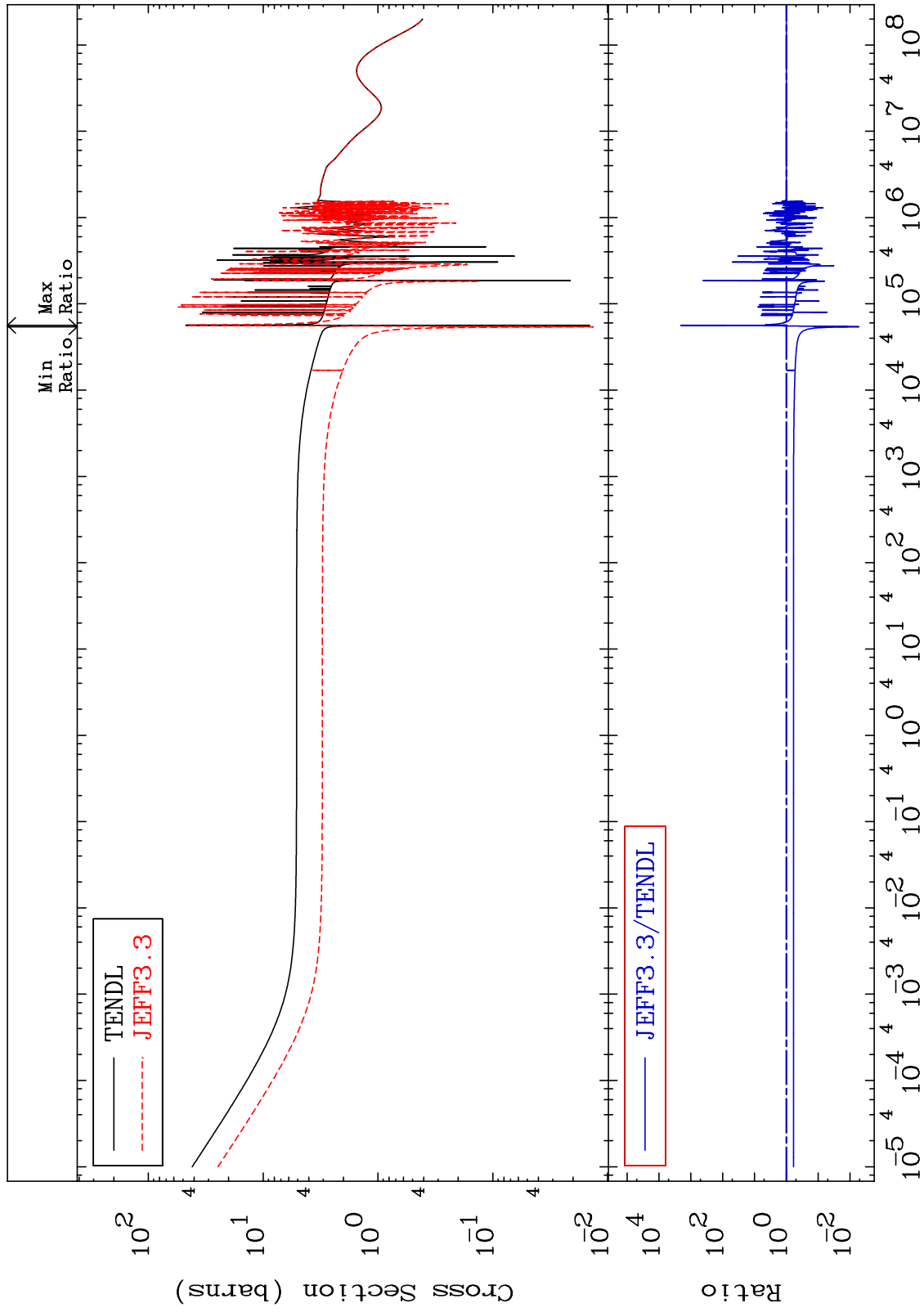
Incident Energy (eV)

22-Ti-50

MAT 2237

Elastic
Cross Section

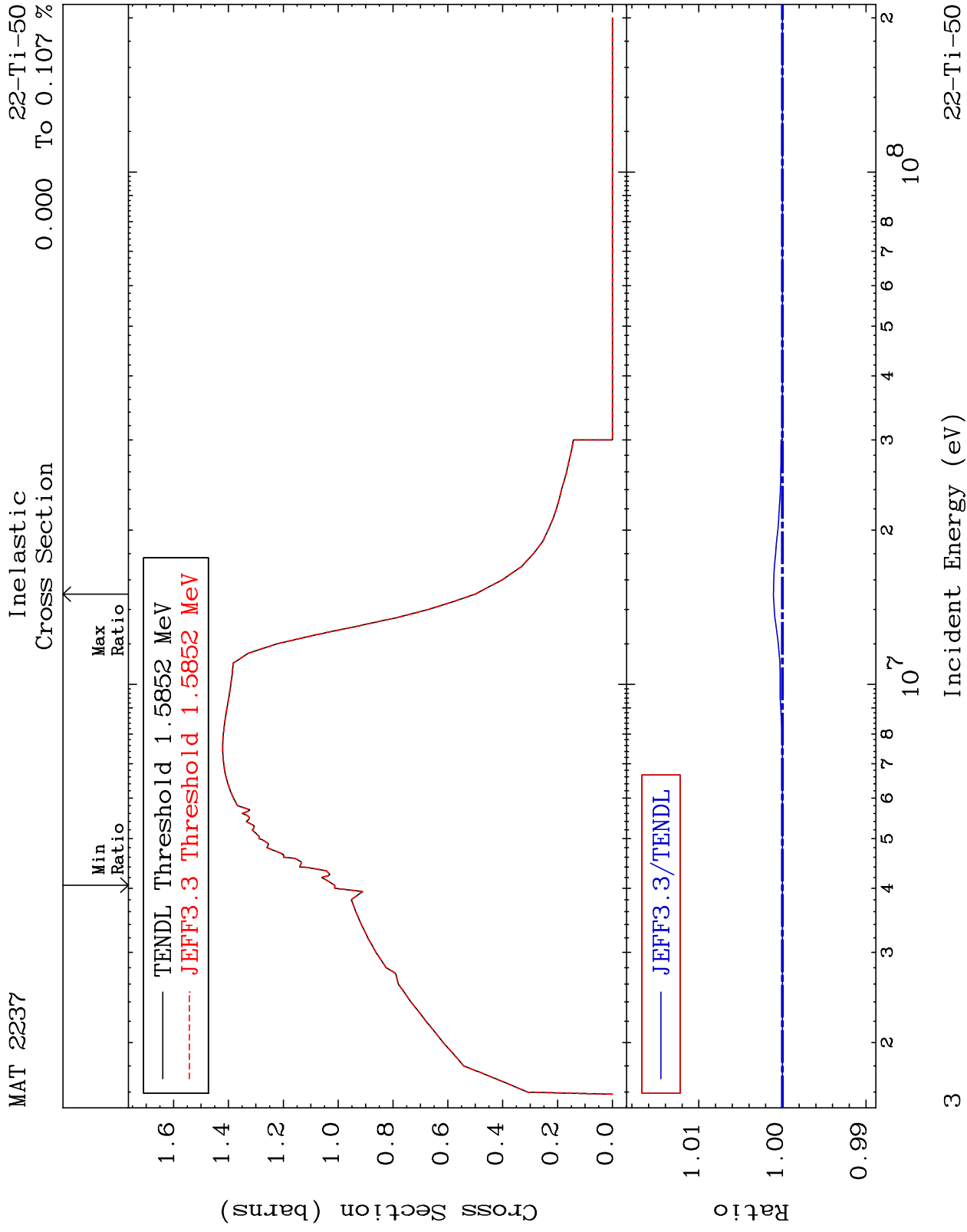
22-Ti-50
-99.48 To 9999. %



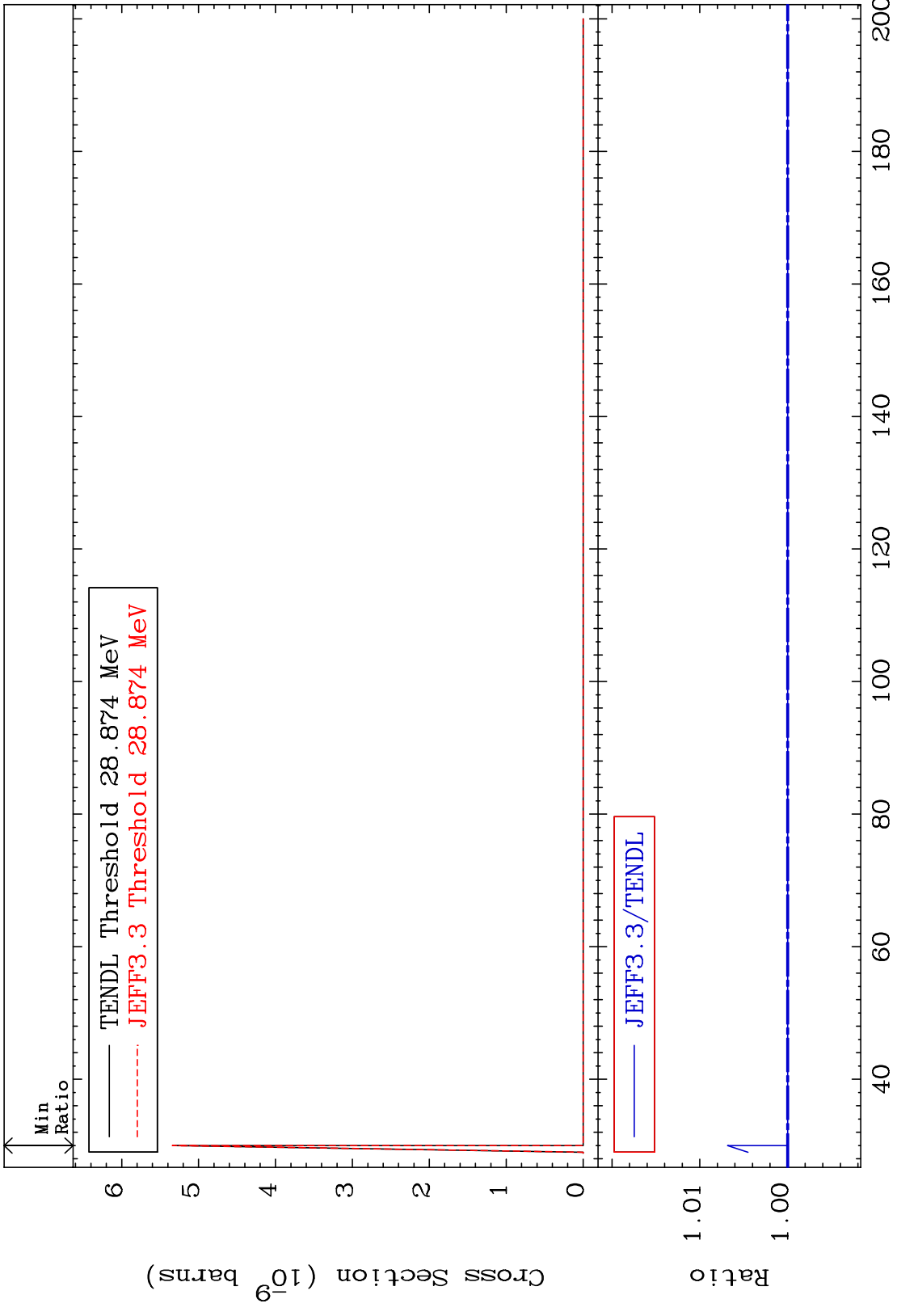
2

Incident Energy (eV)

22-Ti-50



MAT 2237 (n,2n) d 22-Ti-50
Cross Section 0.000 To 0.686 %



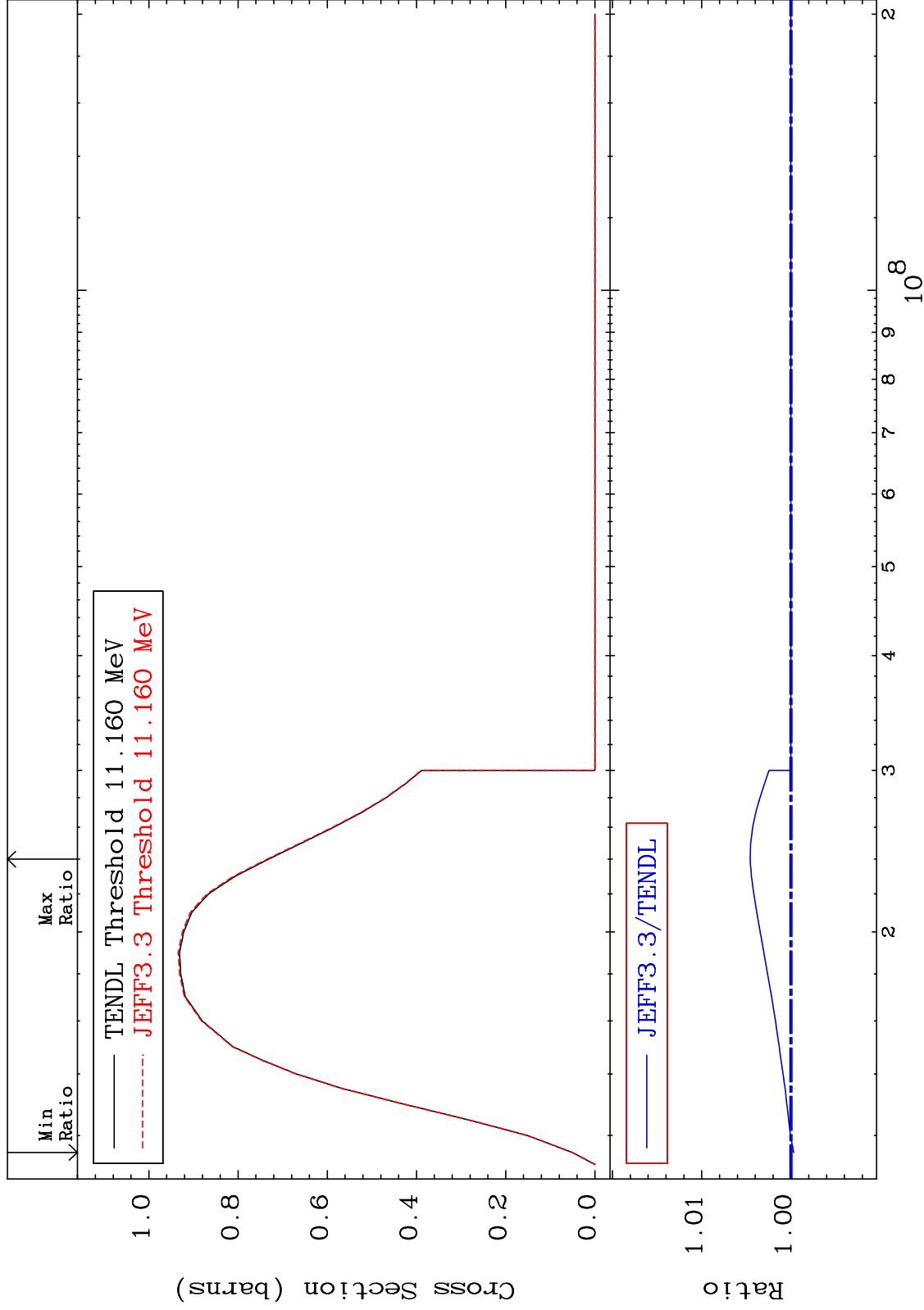
MAT 2237

(n,2n)

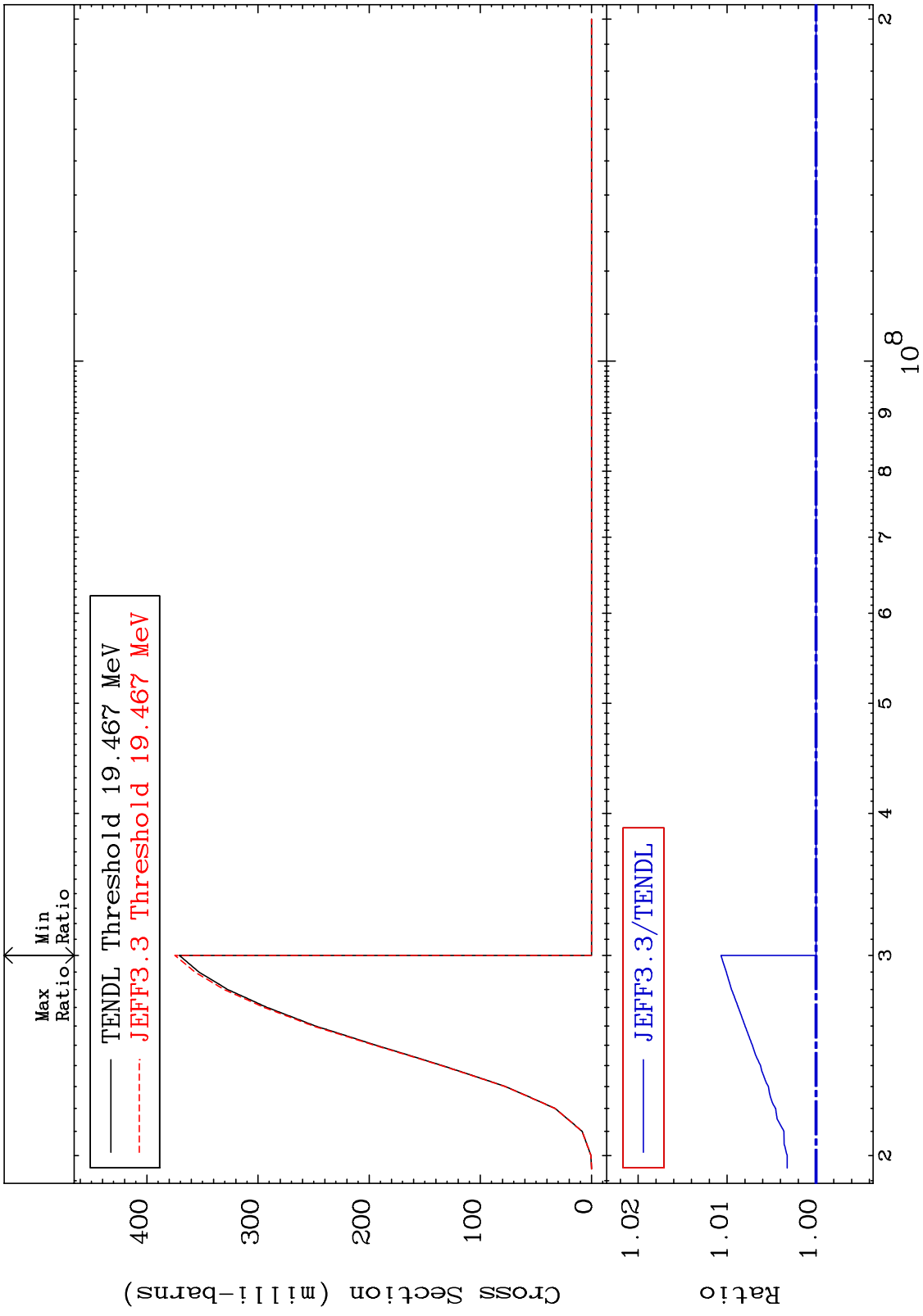
22-Ti-50

Cross Section

-0.030 To 0.457 %

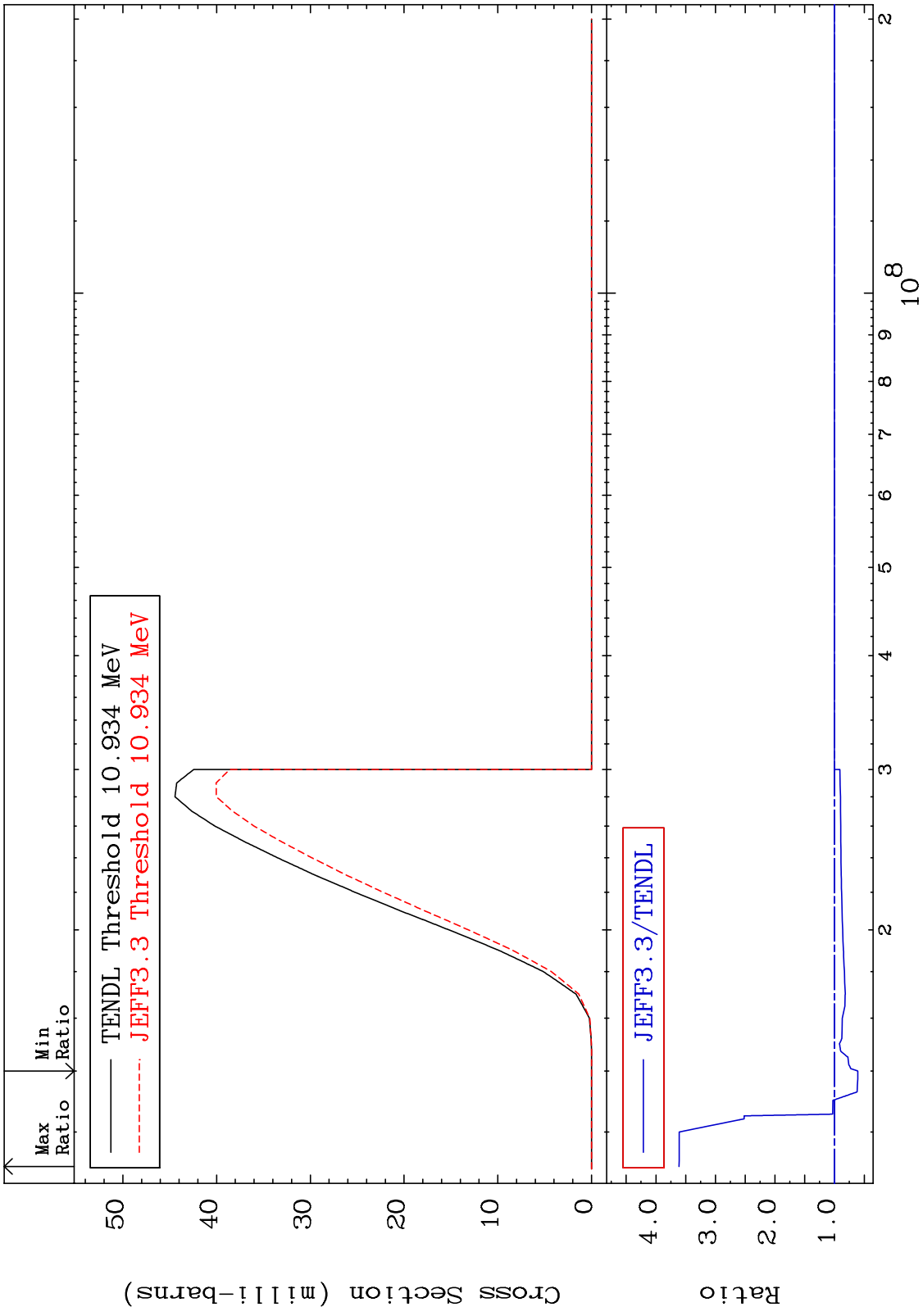


MAT 2237 (n,3n) Cross Section 22-Ti-50 To 1.070 %



6 22-Ti-50

MAT 2237 (n,n') α 22-Ti-50
 Cross Section -39.22 To 261.1 %



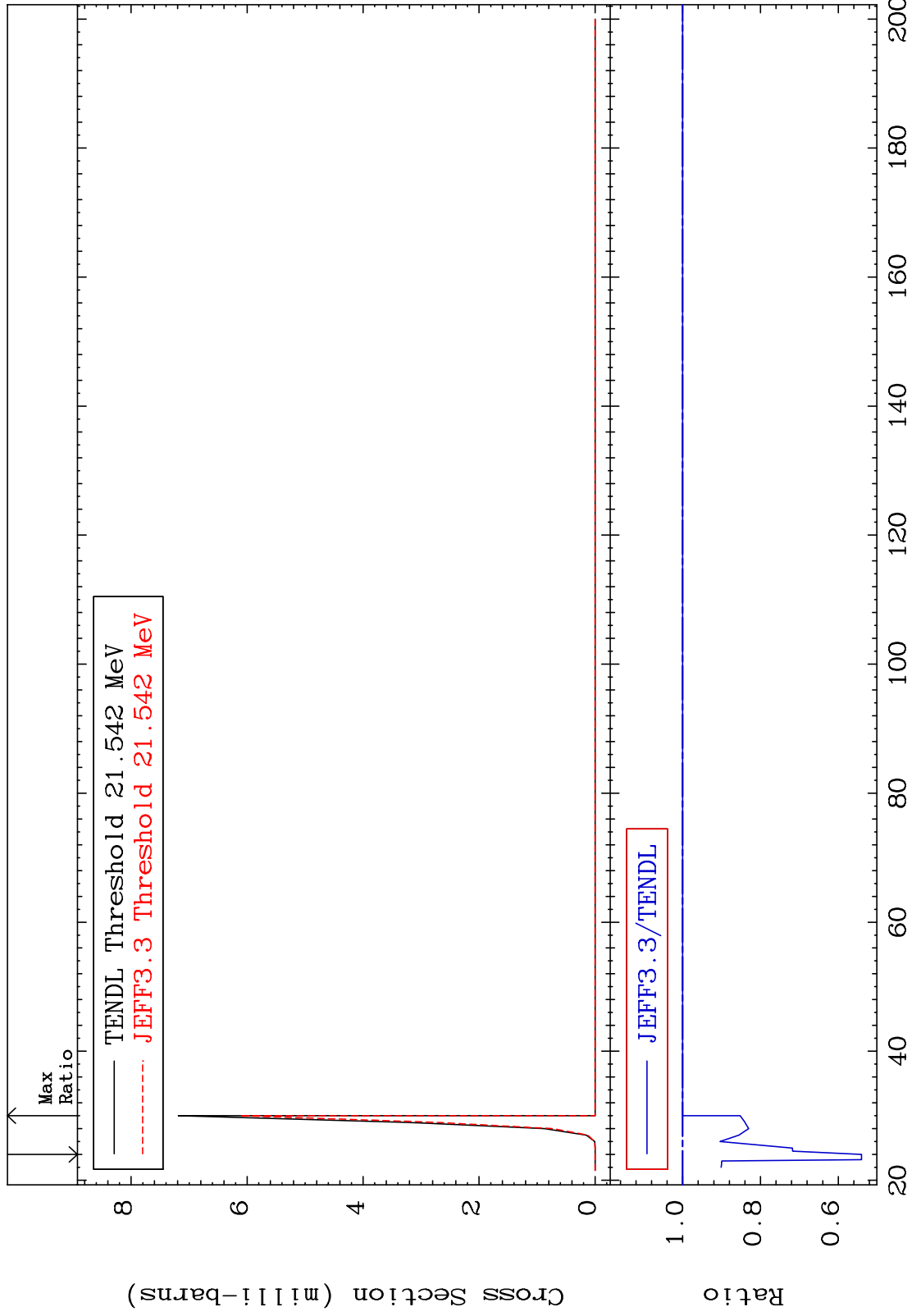
MAT 2237

(n,2n) α

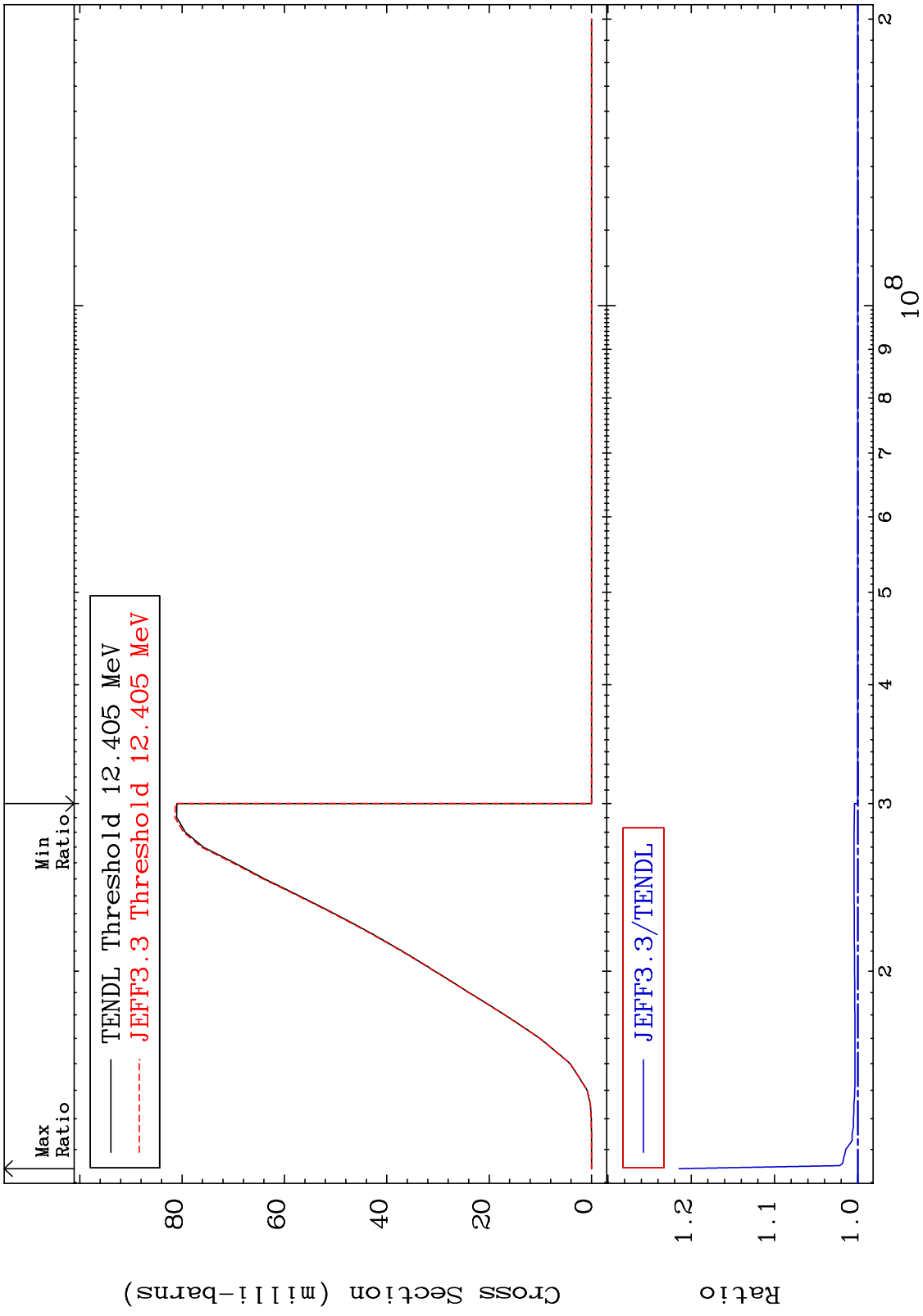
22-Ti-50

Cross Section

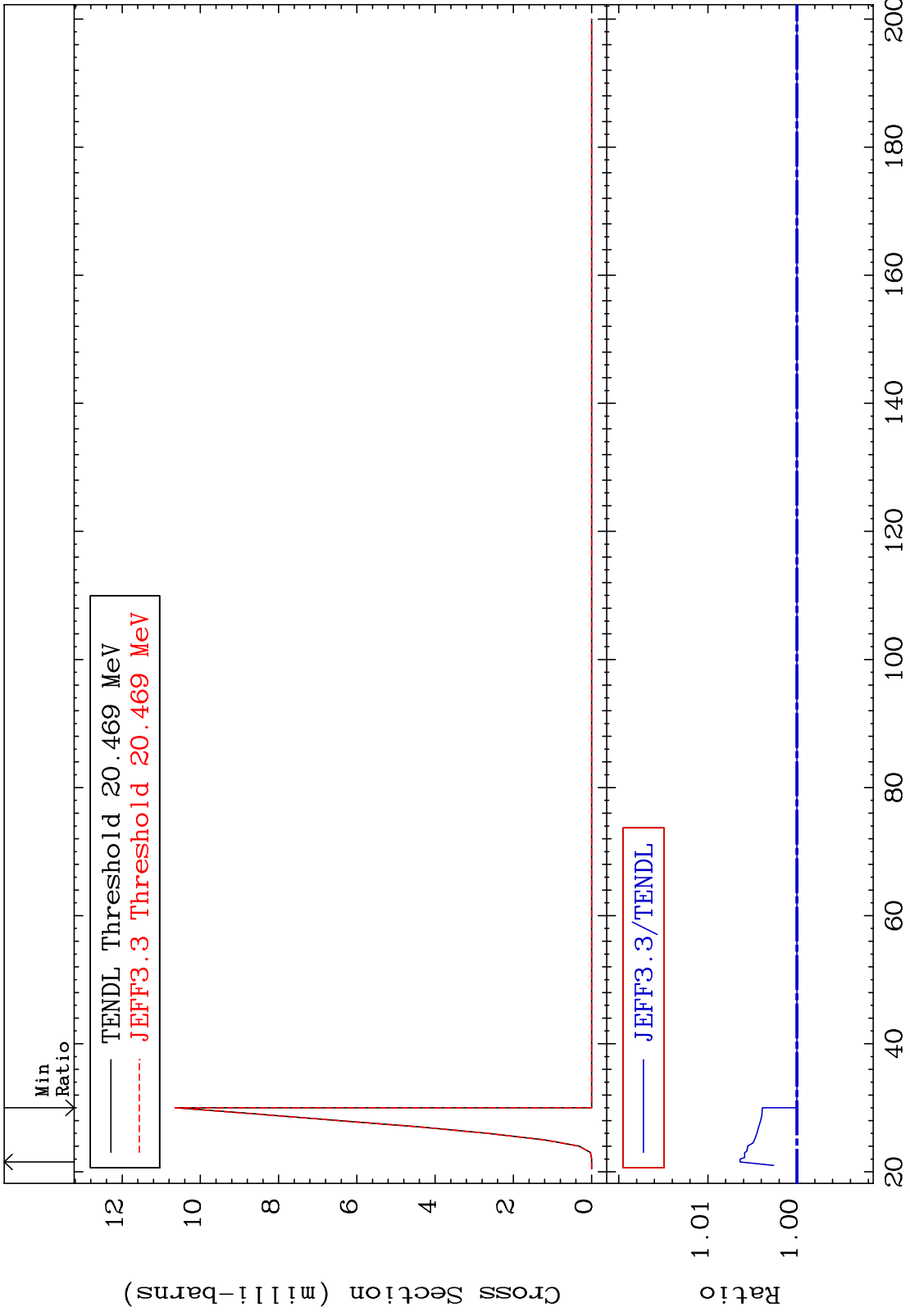
-45.98 To 0.000 %



MAT 2237 (n,n') p 22-Ti-50
 Cross Section 0.000 To 21.47 %

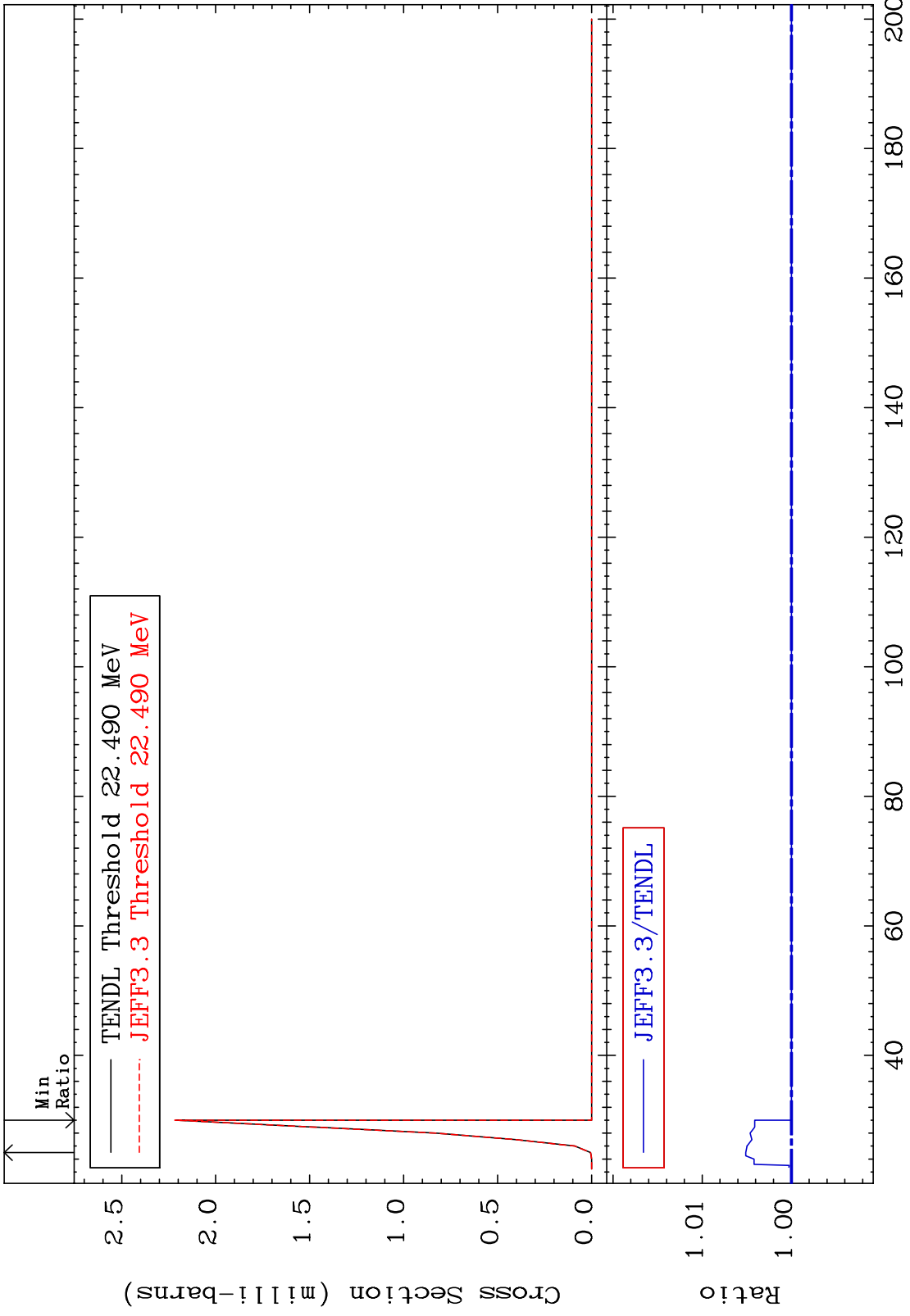


MAT 2237 (n,n') d 22-Ti-50
Cross Section 0.000 To 0.638 %

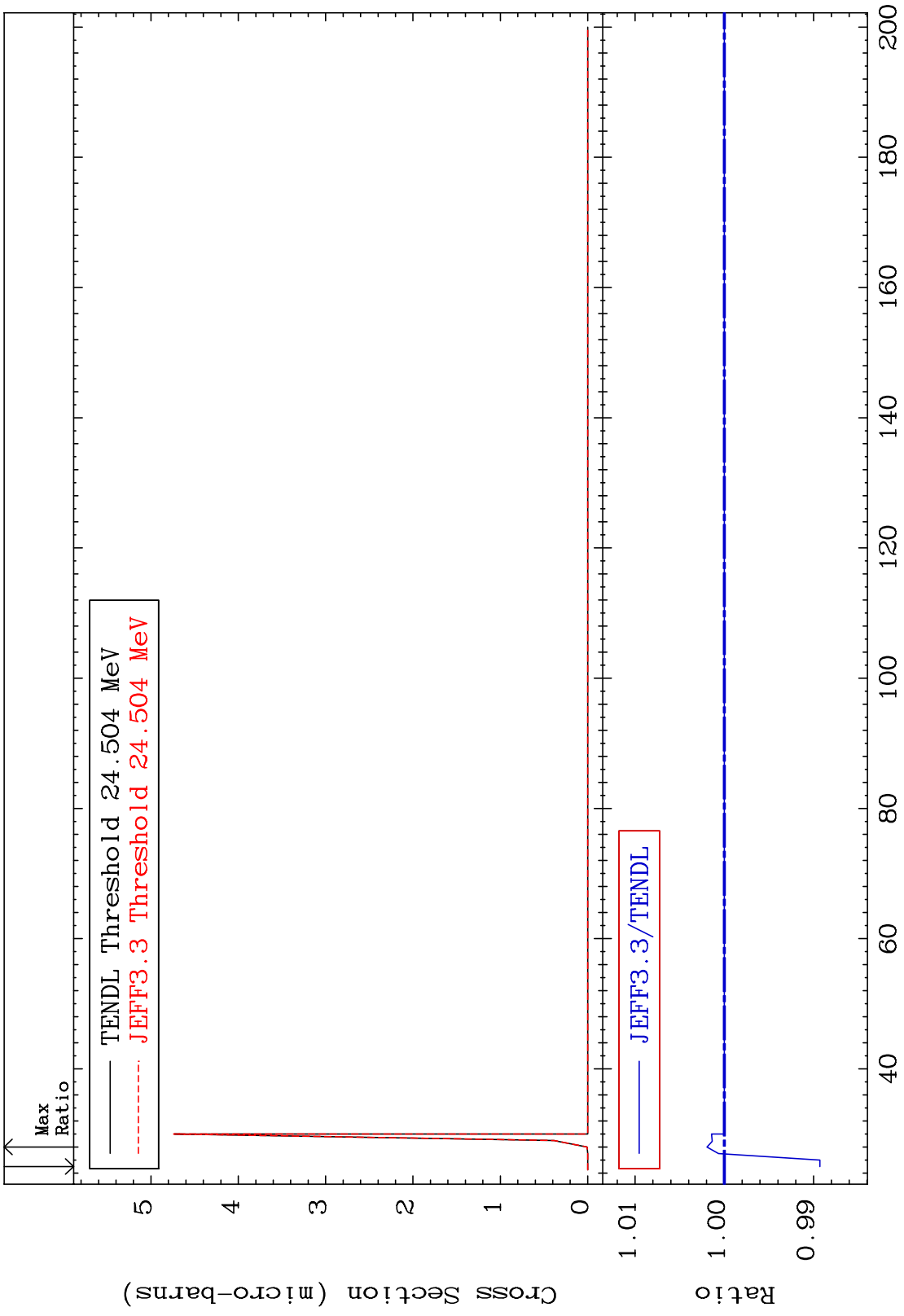


10 20 40 60 80 100 120 140 160 180 200 22-Ti-50

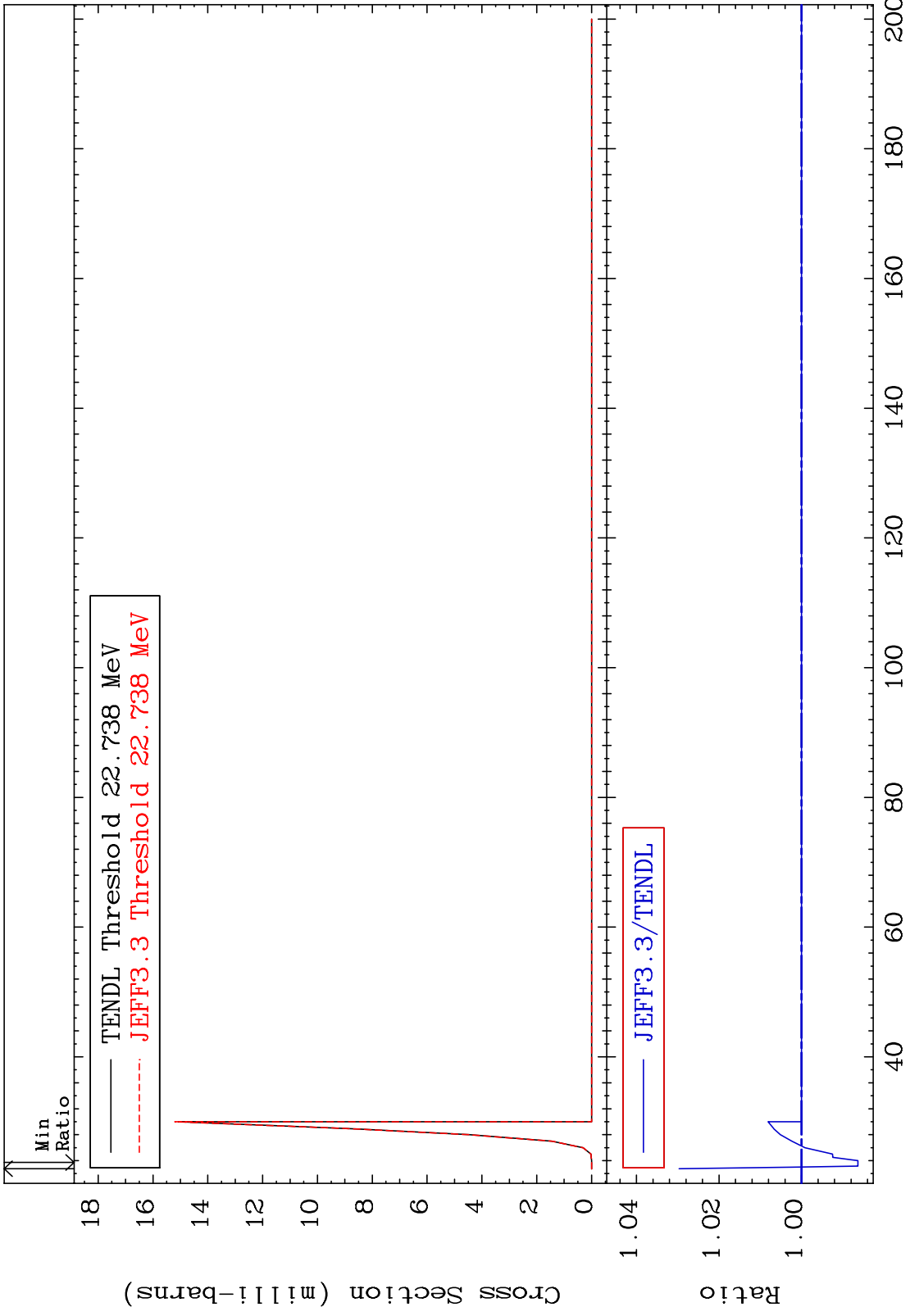
MAT 2237 (n,n') t 22-Ti-50
 Cross Section 0.000 To 0.512 %



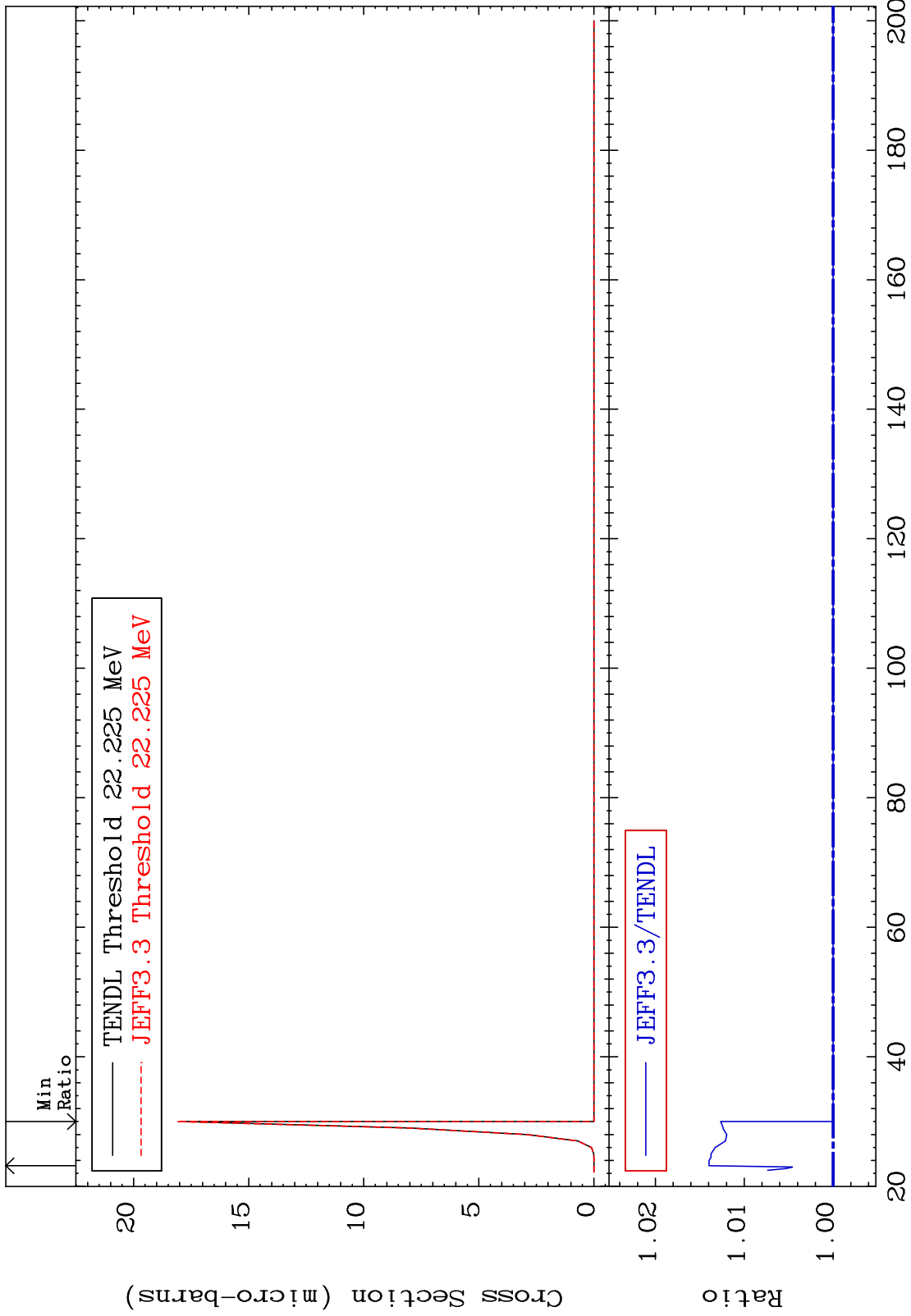
MAT 2237 (n, n') He-3 22-Ti-50
 Cross Section -1.071 To 0.194 %



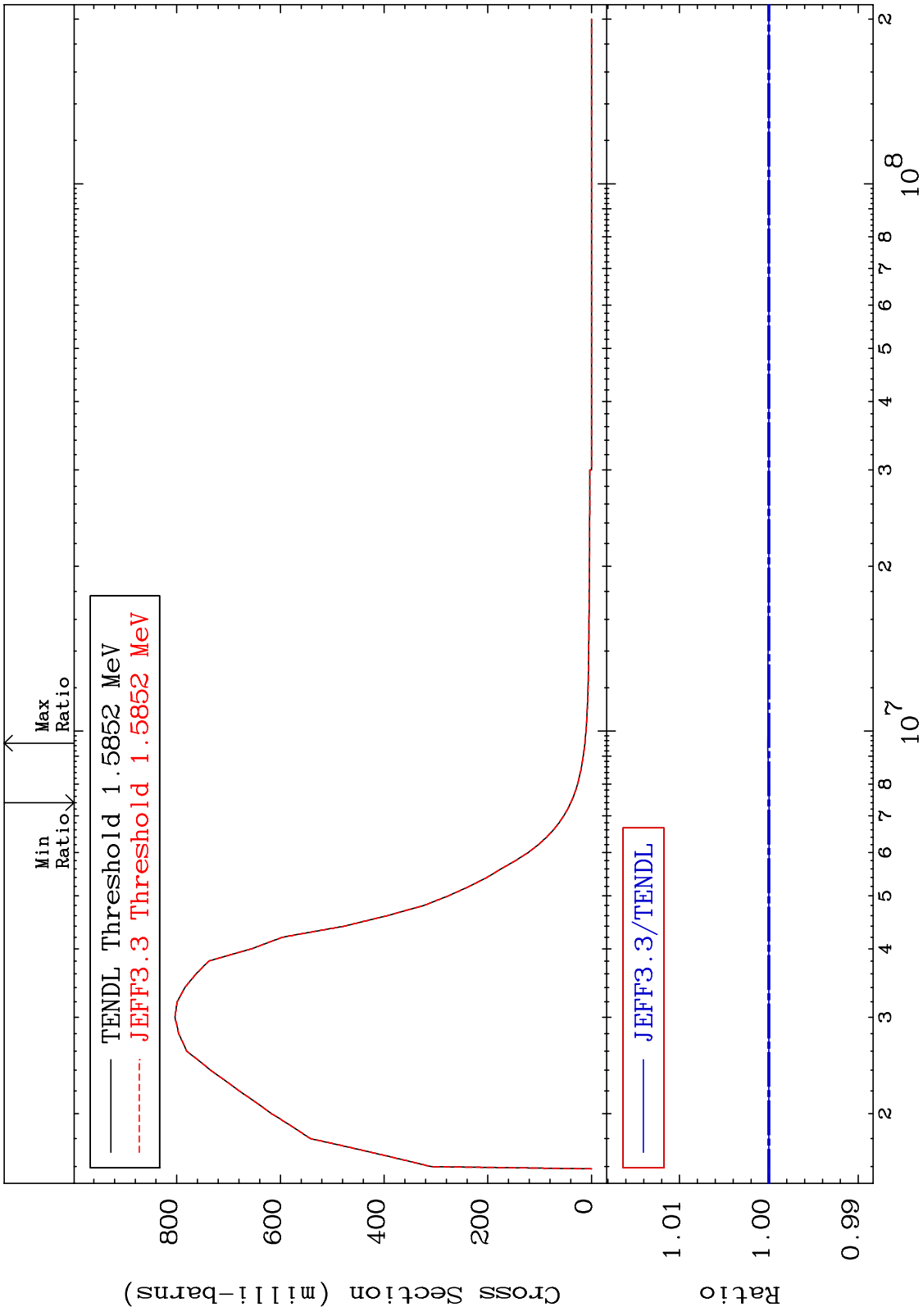
MAT 2237 (n,2n) p 22-Ti-50
 Cross Section -1.366 To 2.966 %



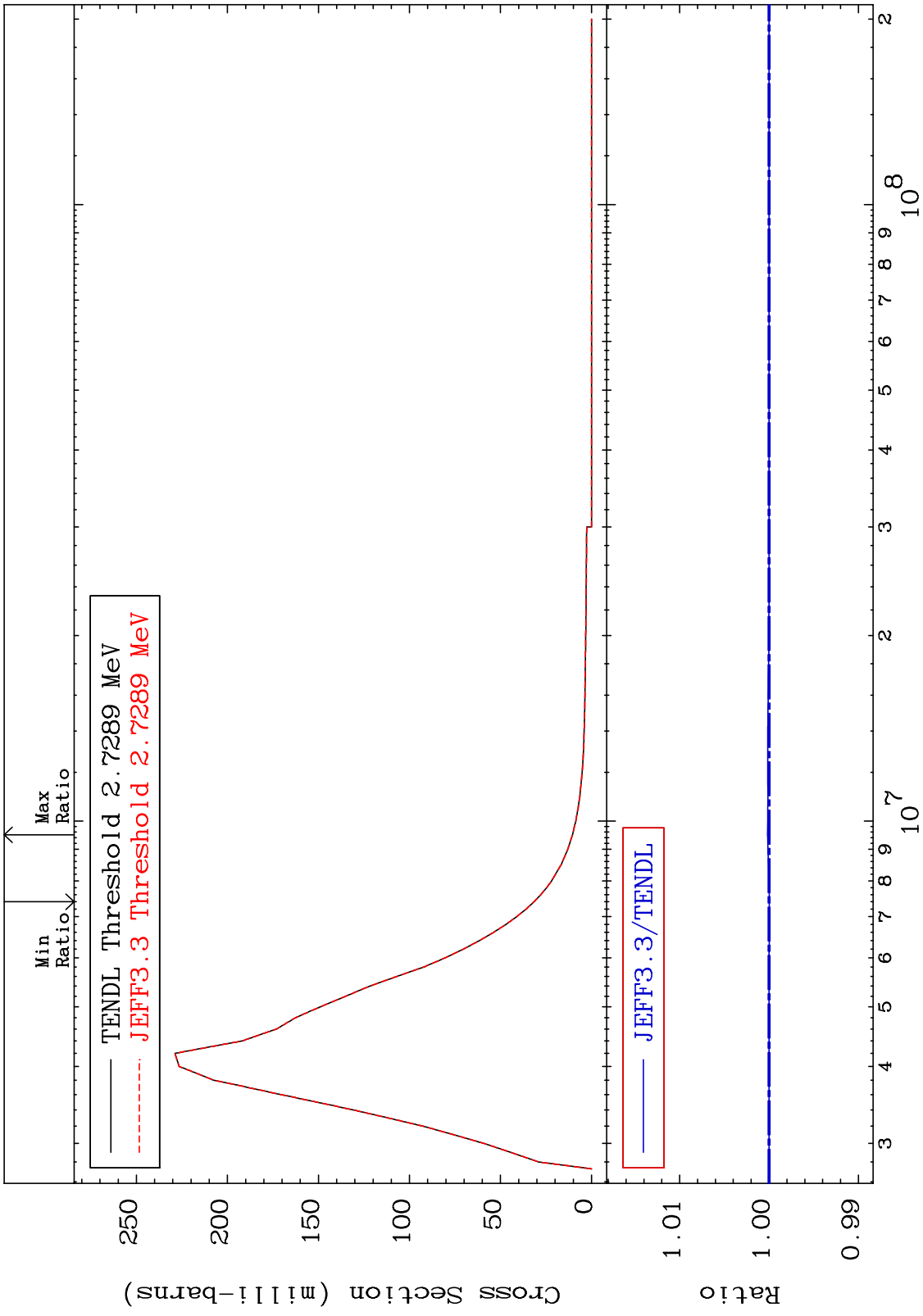
MAT 2237 (n,2n) p 22-Ti-50
 Cross Section 0.000 To 1.397 %



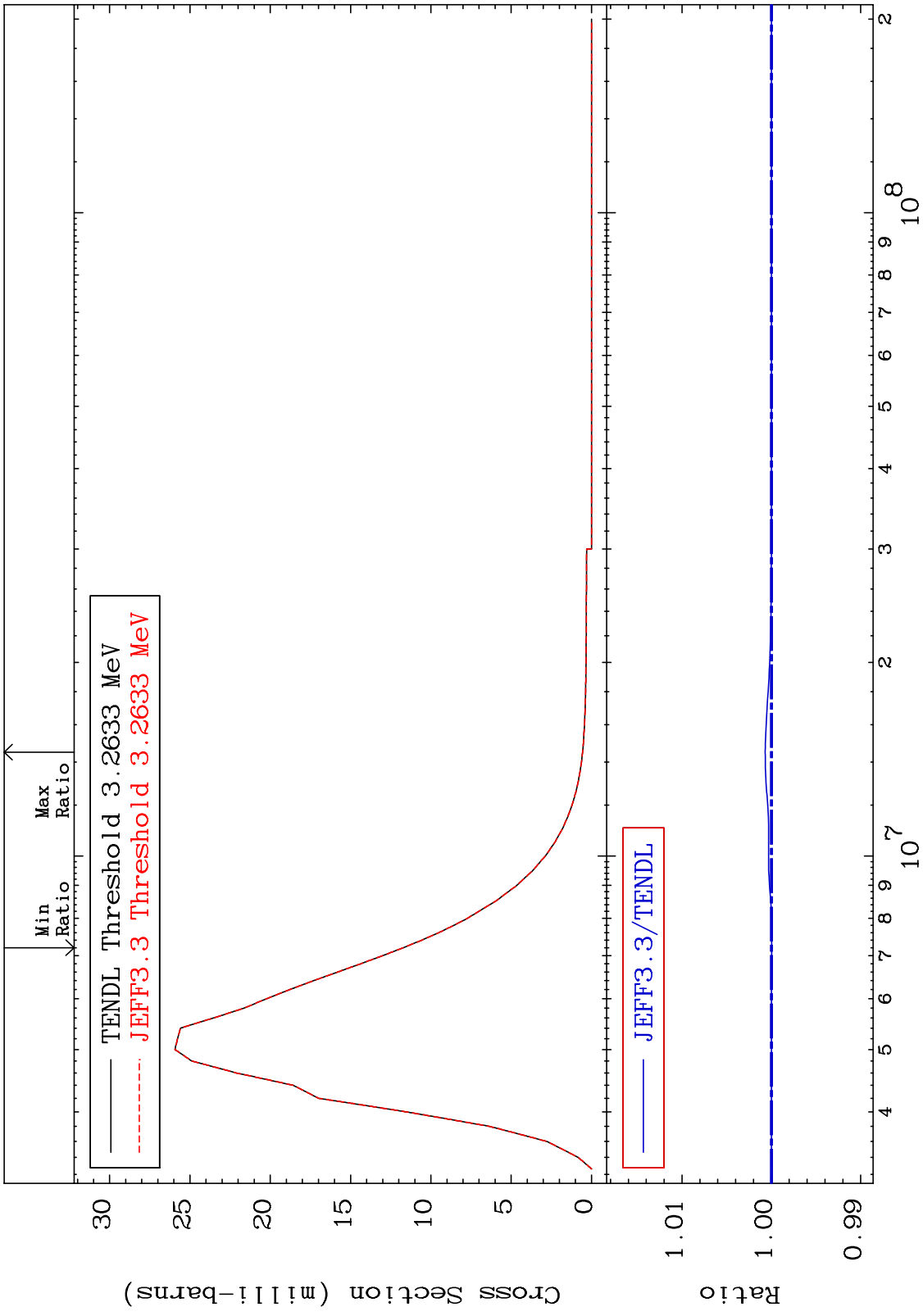
MAT 2237 MT= 51 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 0.013 %



MAT 2237 MT= 52 (n,n') Level Cross Section 22-Ti-50 -0.003 To 0.016 %



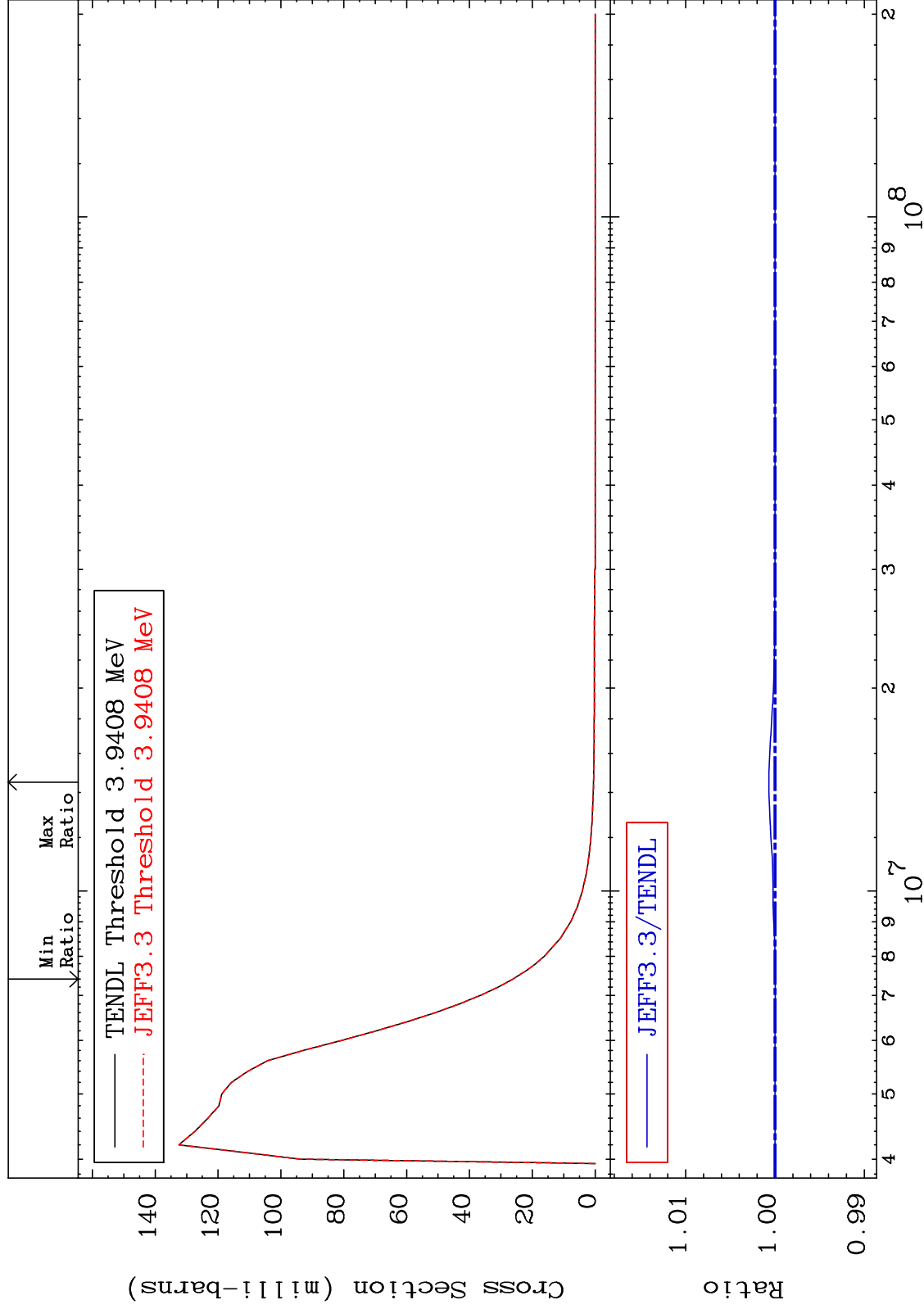
MAT 2237 MT= 53 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 0.069 %



MAT 2237

MT= 54 (n,n') Level
Cross Section

22-Ti-50
-0.003 To 0.069 %



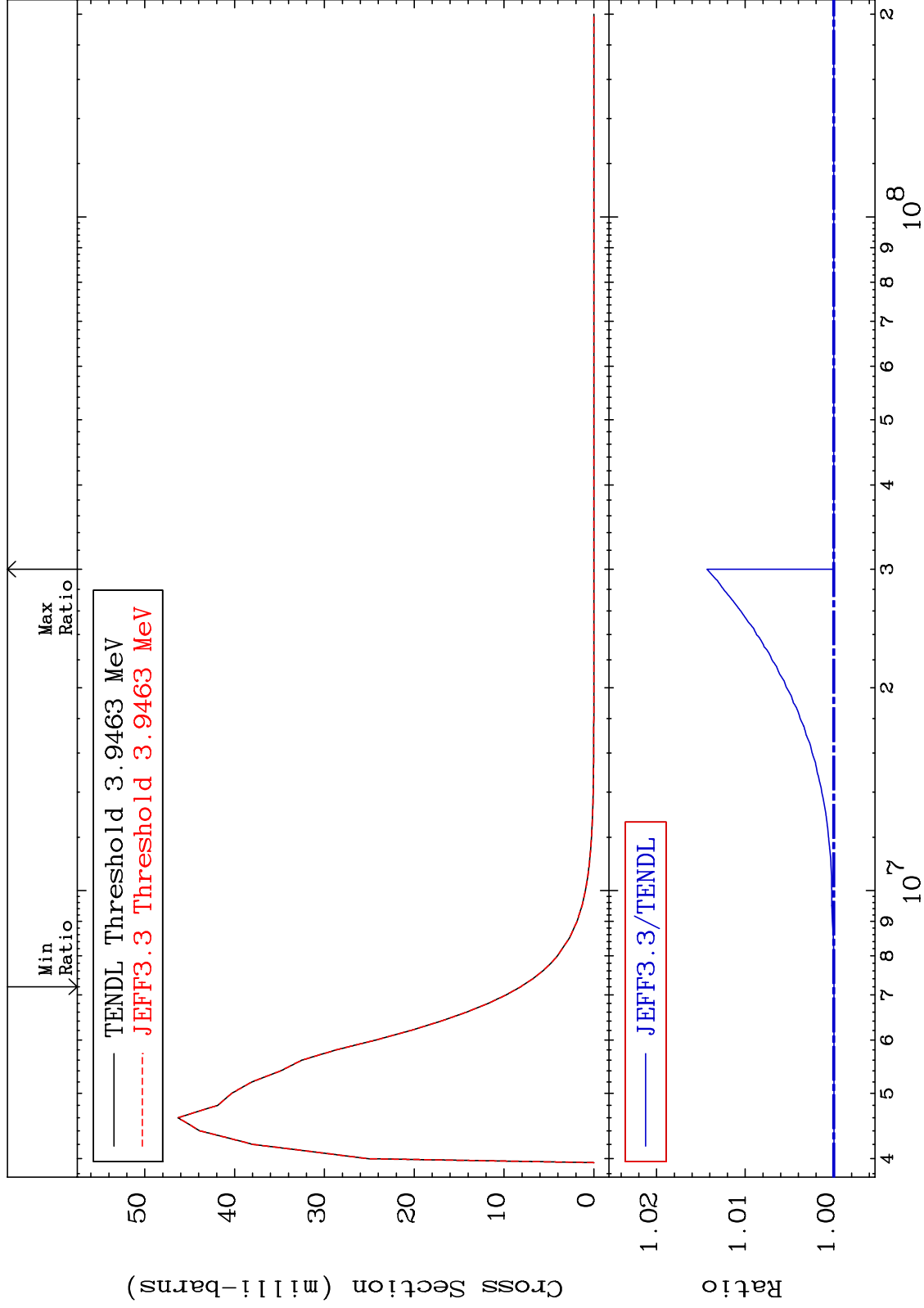
18

22-Ti-50

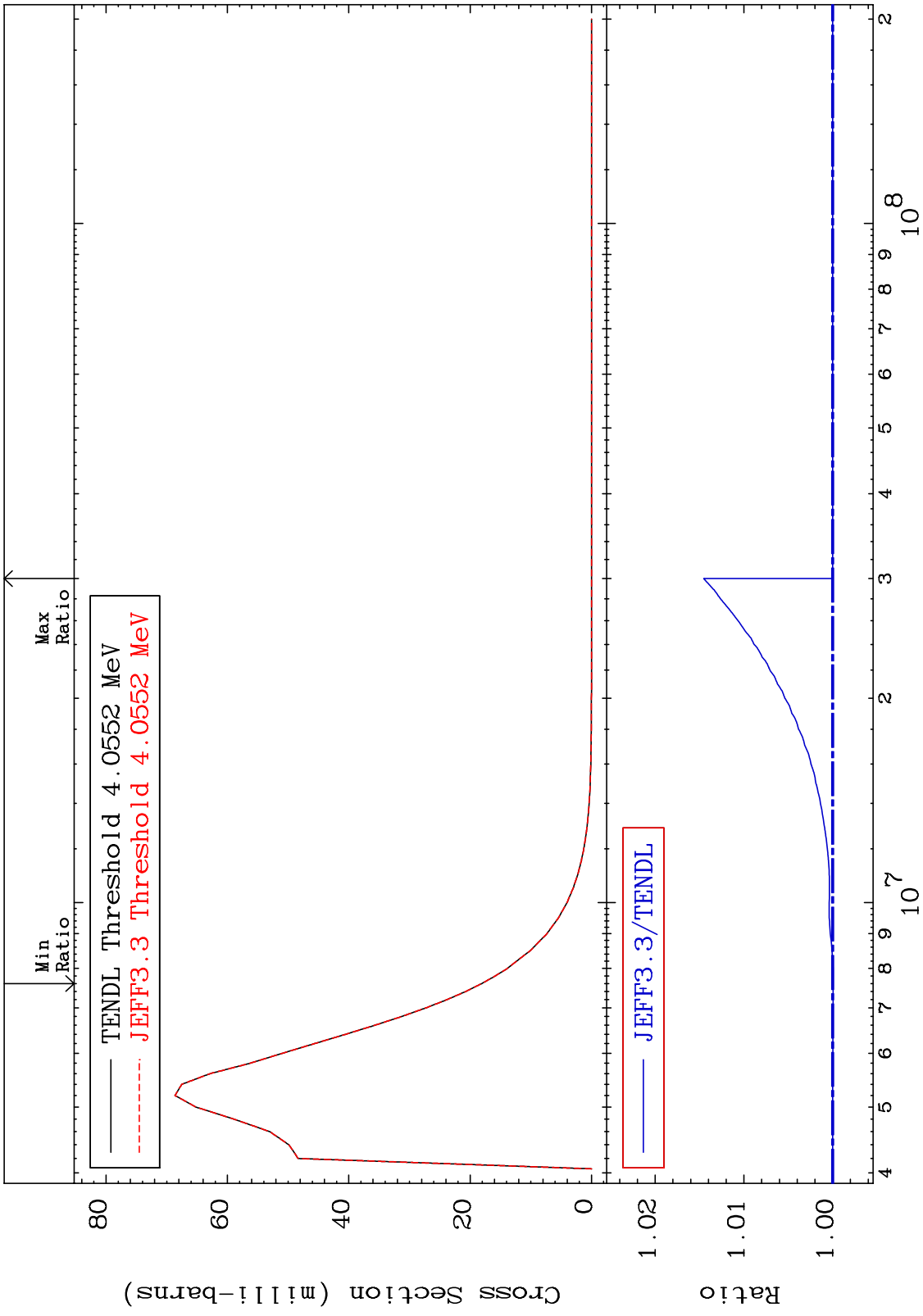
MAT 2237

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

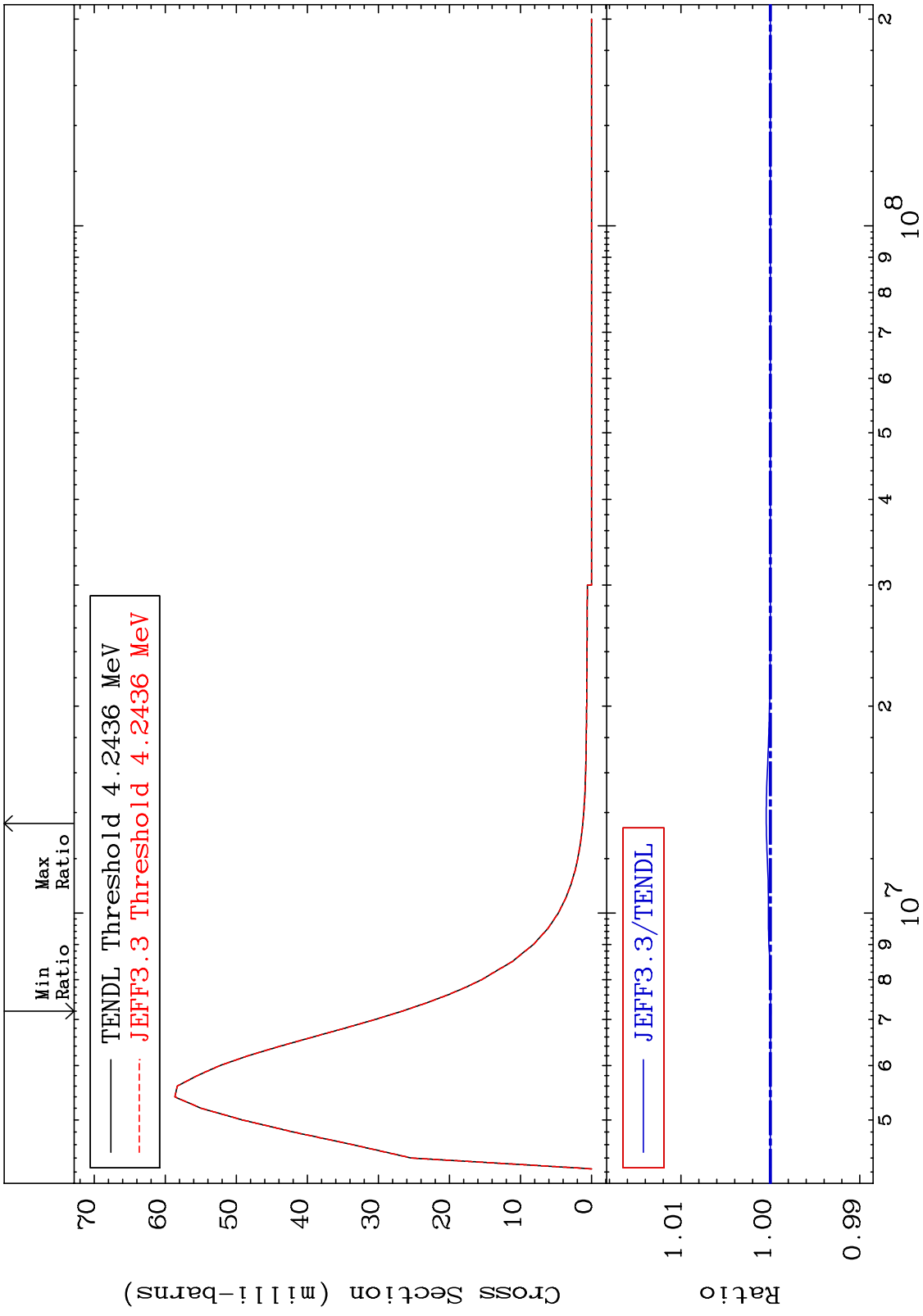
22-Ti-50
-0.002 To 1.432 %



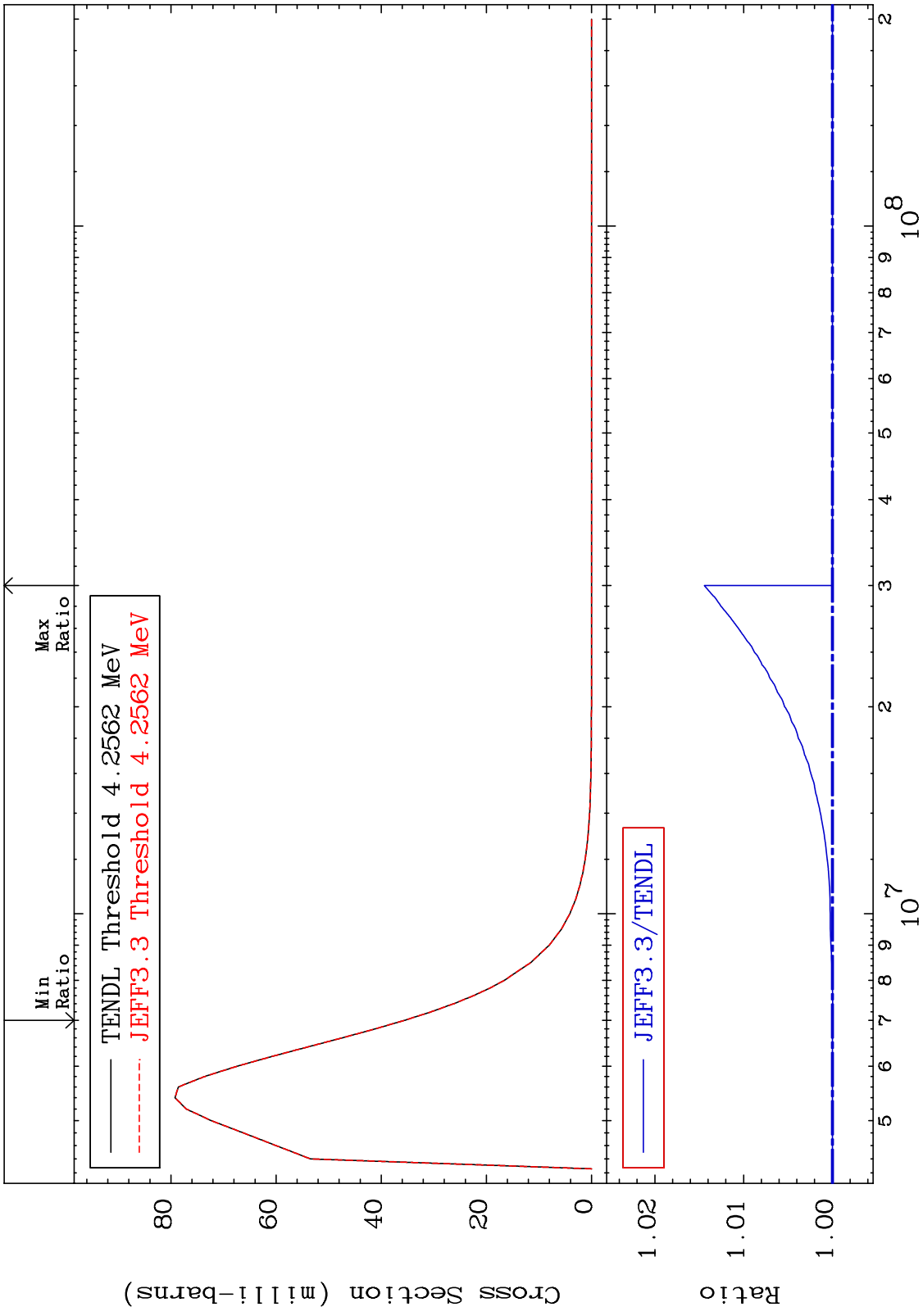
MAT 2237 MT= 56 (n,n') Level Cross Section -0.006 To 1.453 % 22-Ti-50



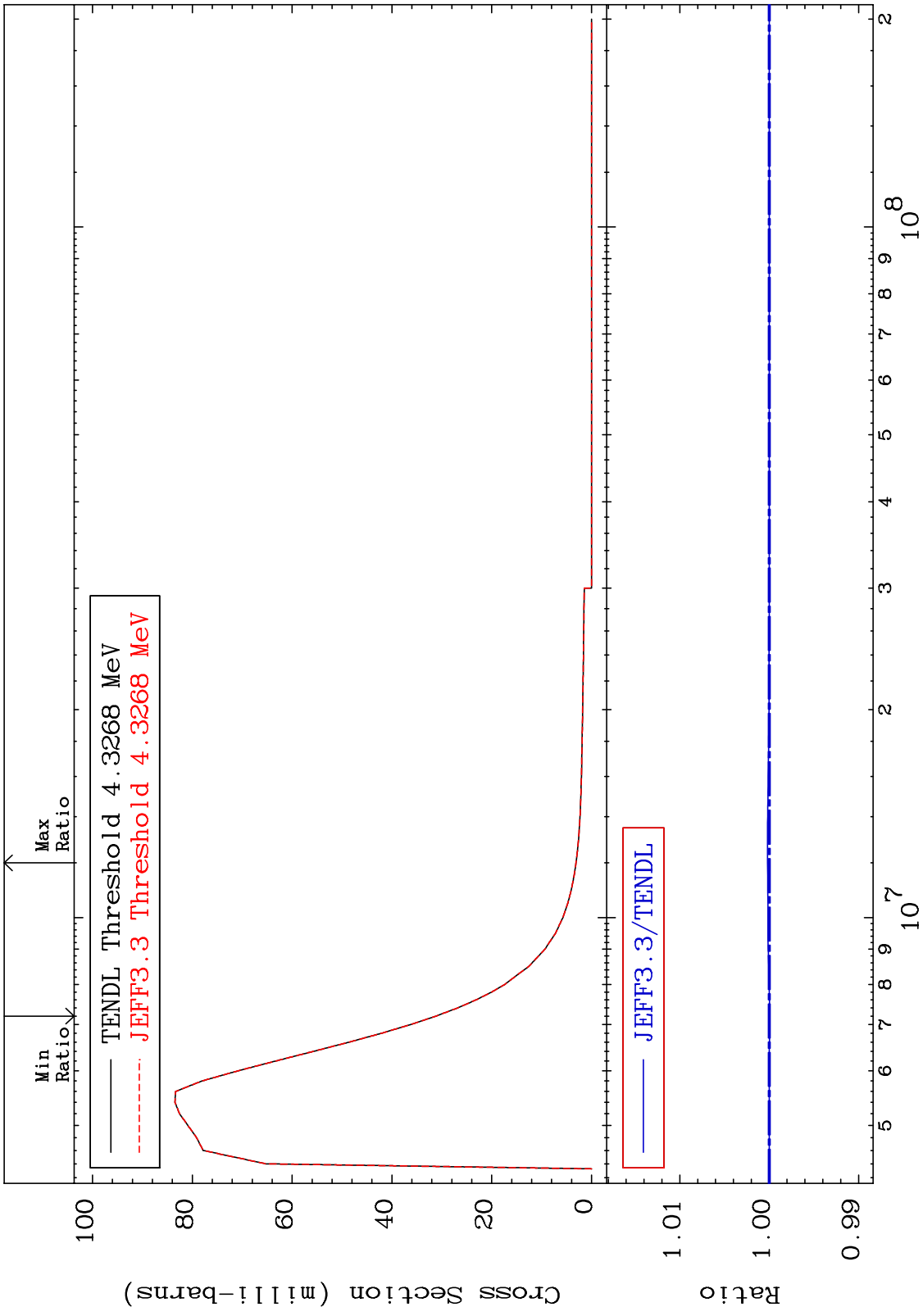
MAT 2237 MT= 58 (n,n') Level Cross Section -0.003 To 0.047 % 22-Ti-50



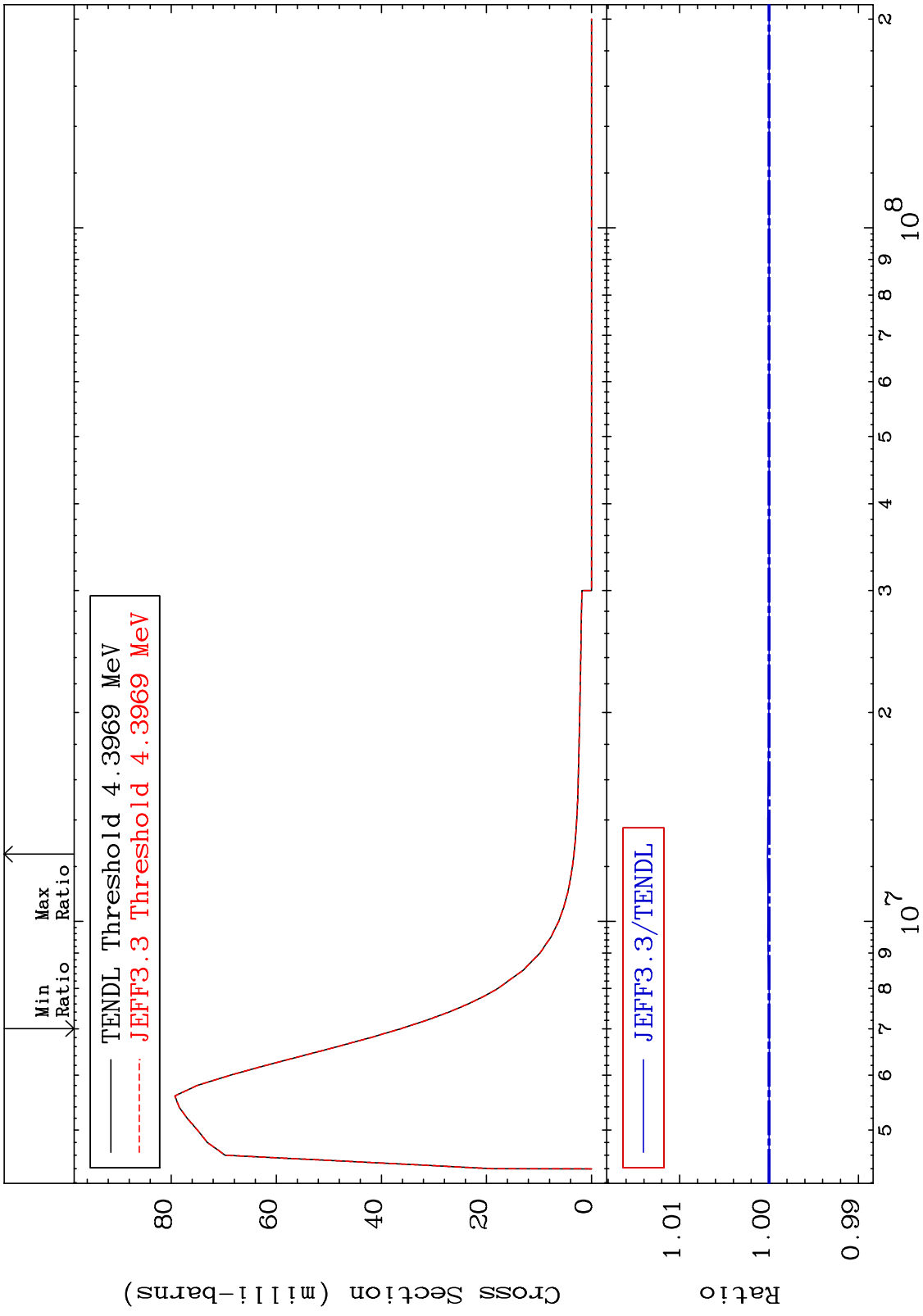
MAT 2237 MT= 59 (n,n') Level Cross Section -0.003 To 1.443 % 22-Ti-50



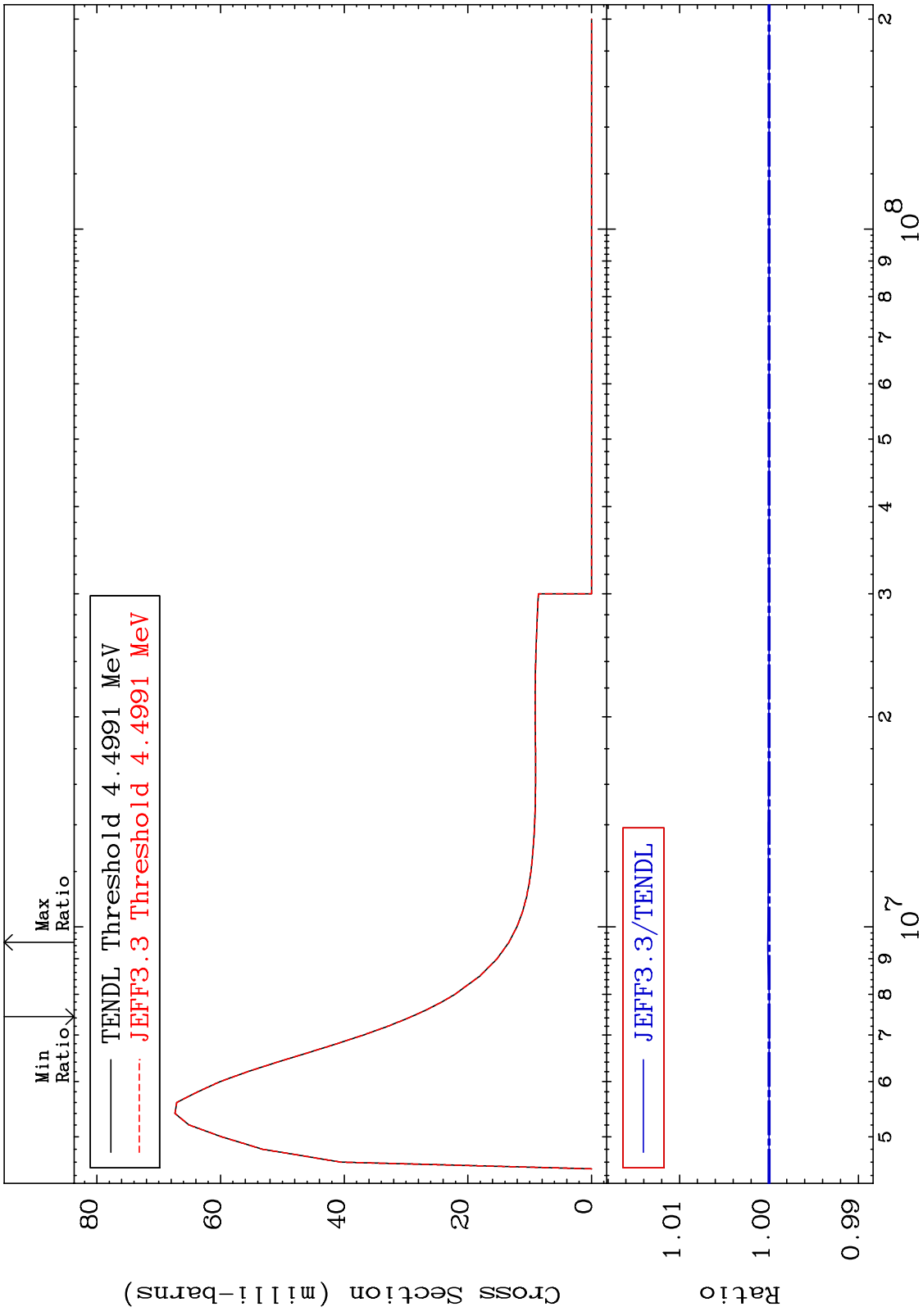
MAT 2237 MT= 60 (n,n') Level 22-Ti-50
 Cross Section -0.003 To 0.019 %



MAT 2237 MT= 61 (n,n') Level Cross Section 22-Ti-50
 -0.002 To 0.016 %



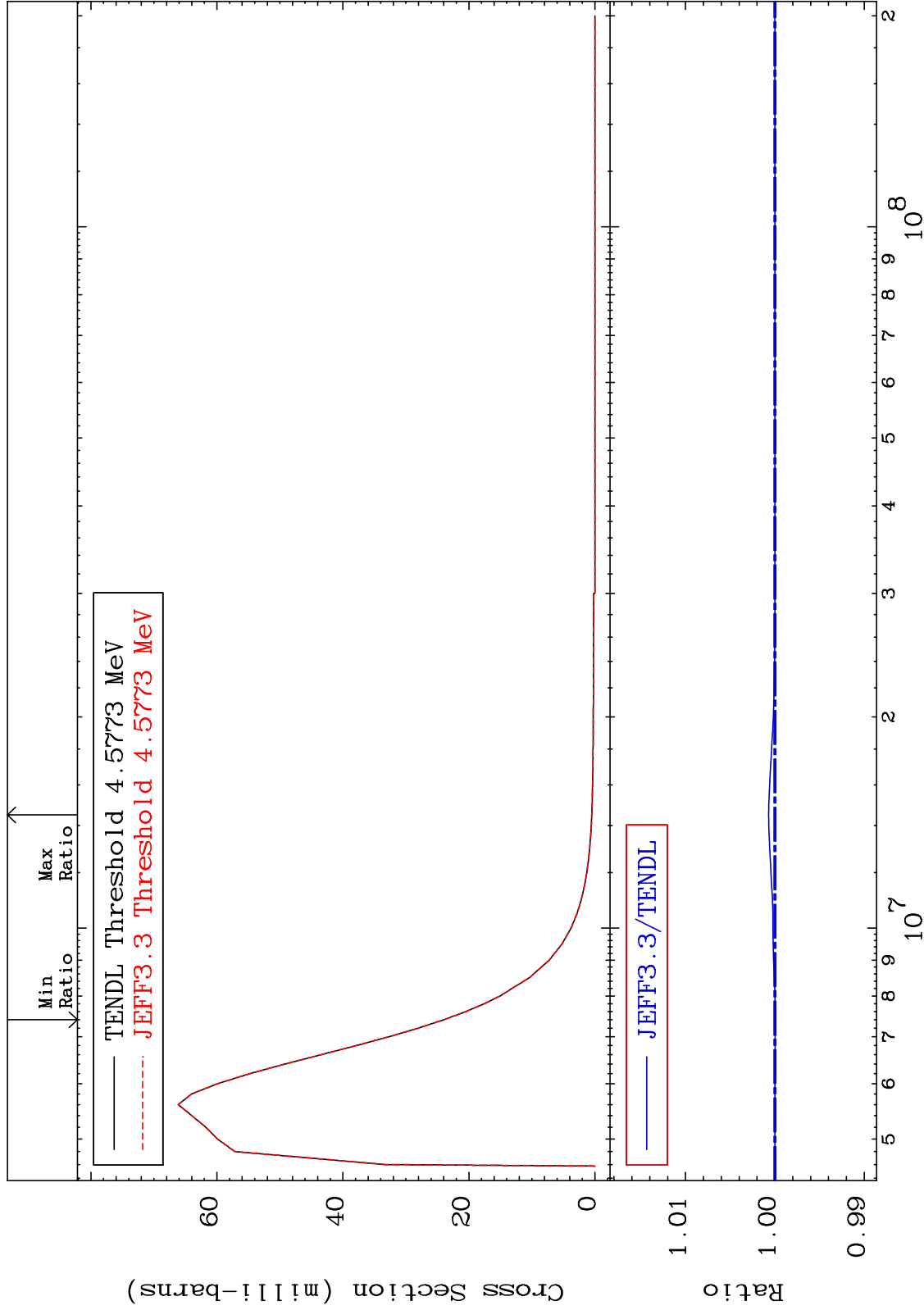
MAT 2237 MT= 62 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 0.015 %



MAT 2237

MT= 63 (n,n') Level
Cross Section

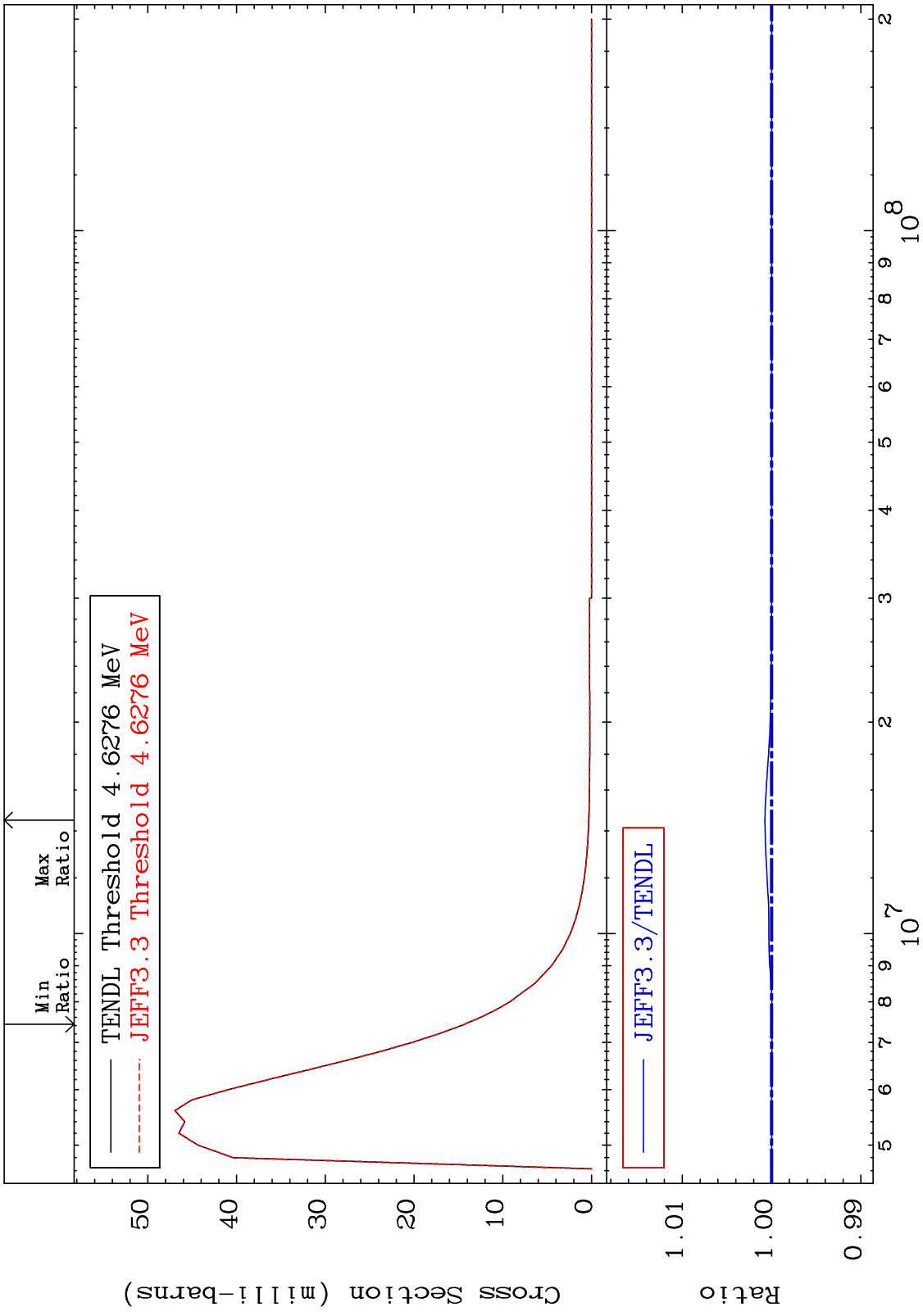
22-Ti-50
-0.003 To 0.070 %



26

22-Ti-50

MAT 2237 MT= 64 (n,n') Level Cross Section -0.004 To 0.074 % 22-Ti-50

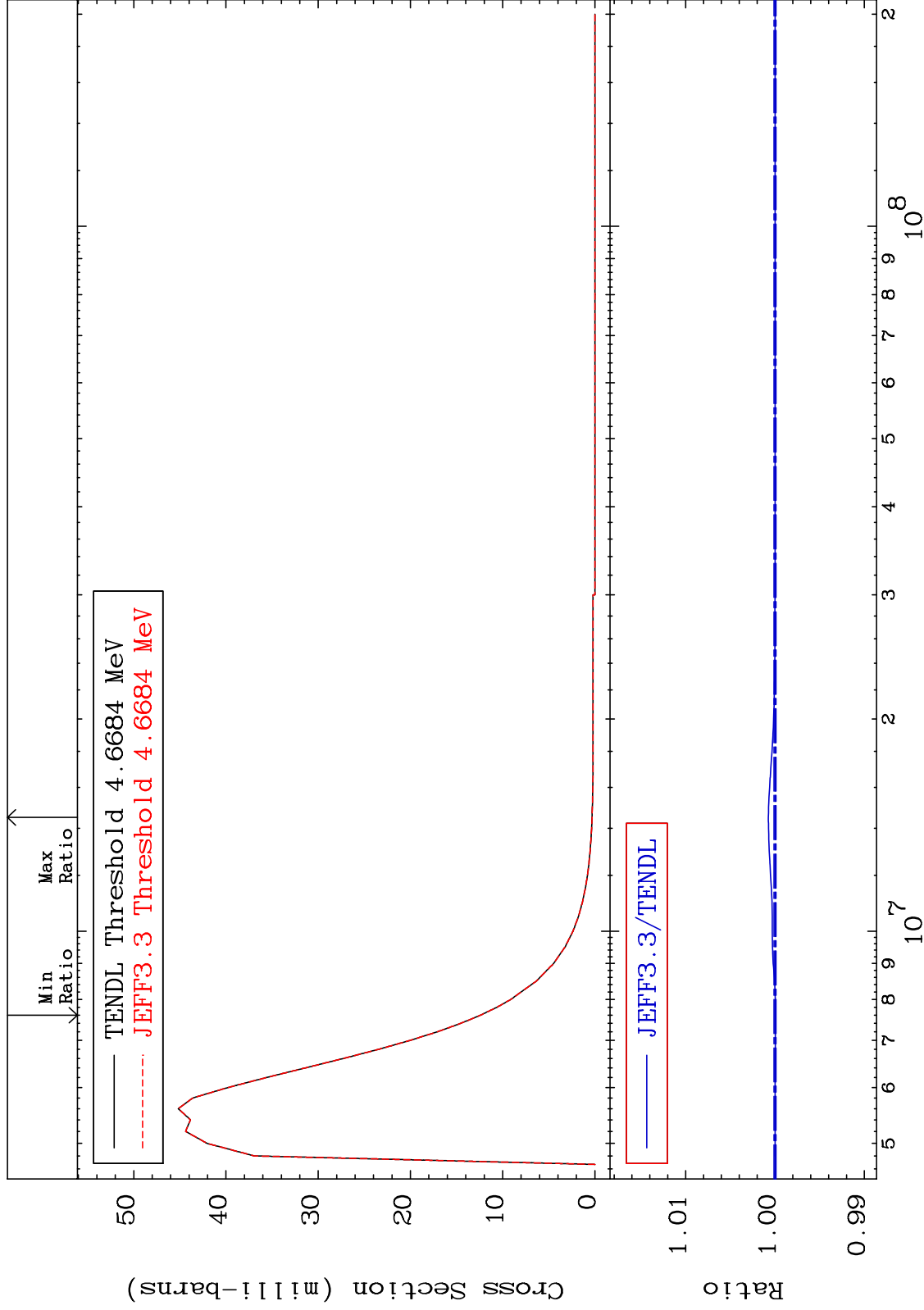


27 Incident Energy (eV) 22-Ti-50

MAT 2237

MT= 65 (n,n') Level
Cross Section

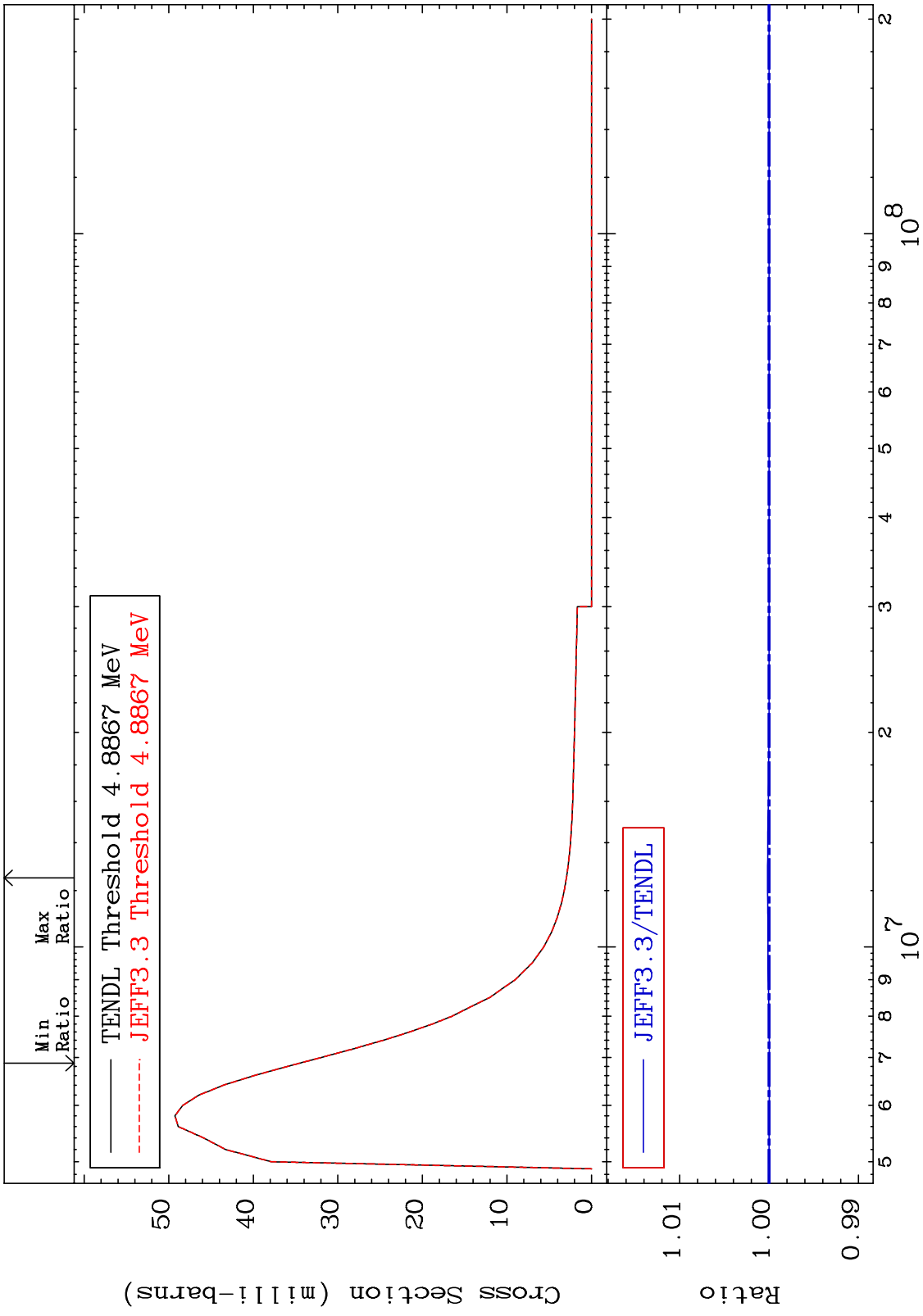
22-Ti-50
-0.004 To 0.074 %



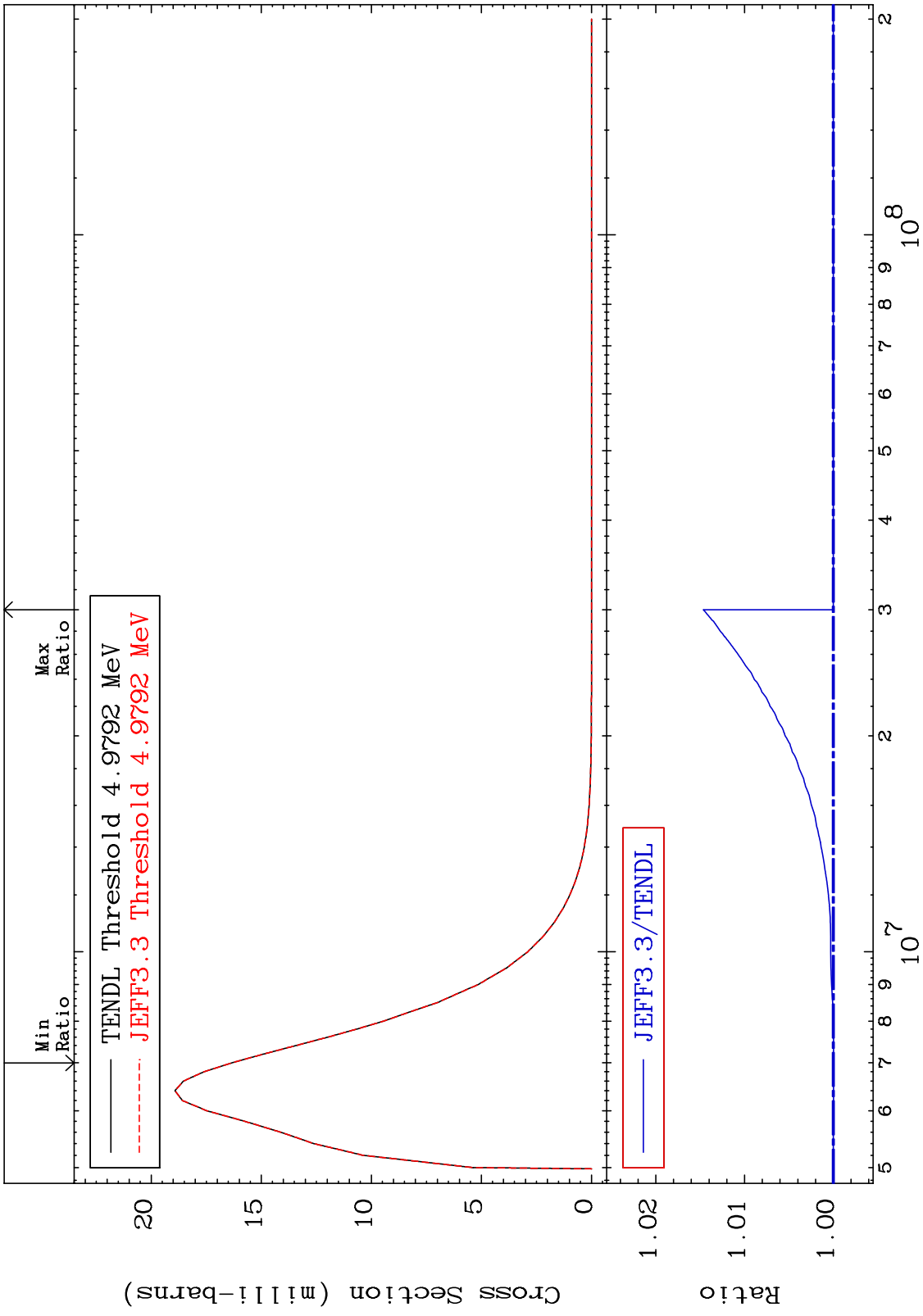
28

22-Ti-50

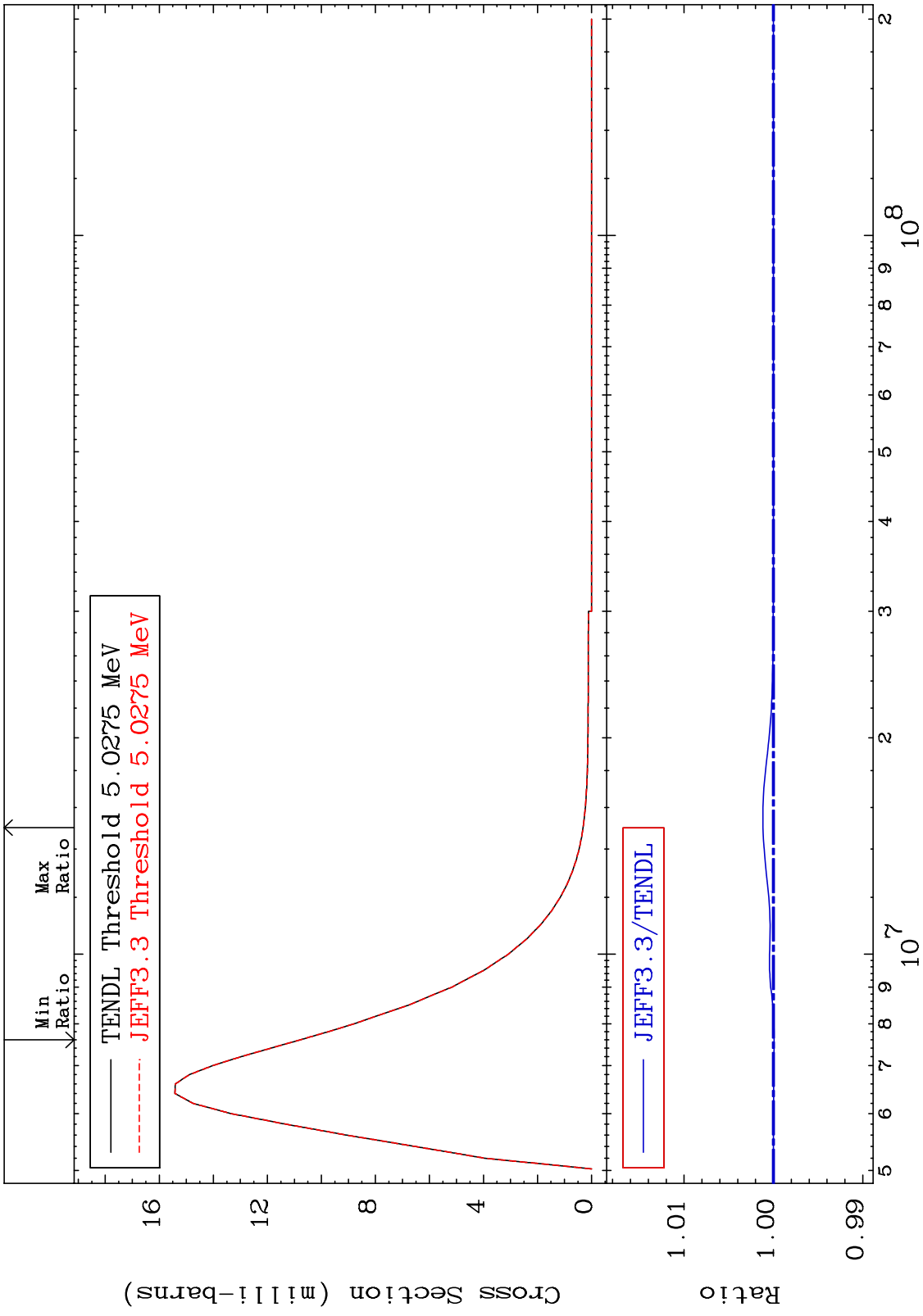
MAT 2237 MT= 66 (n,n') Level Cross Section 22-Ti-50
-0.002 To 0.018 %



MAT 2237 MT= 67 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 1.465 %

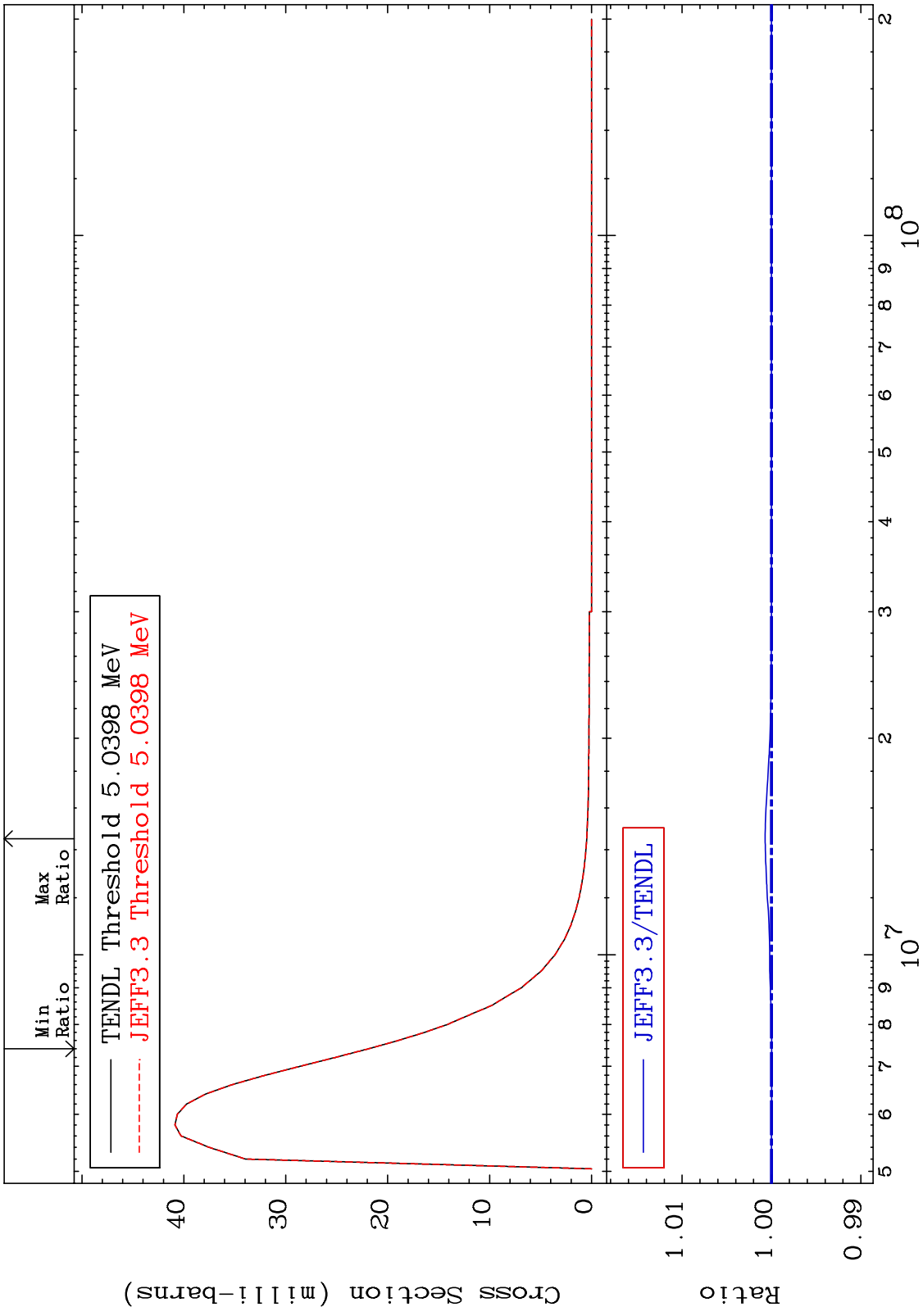


MAT 2237 MT= 68 (n,n') Level Cross Section 22-Ti-50
 -0.006 To 0.119 %

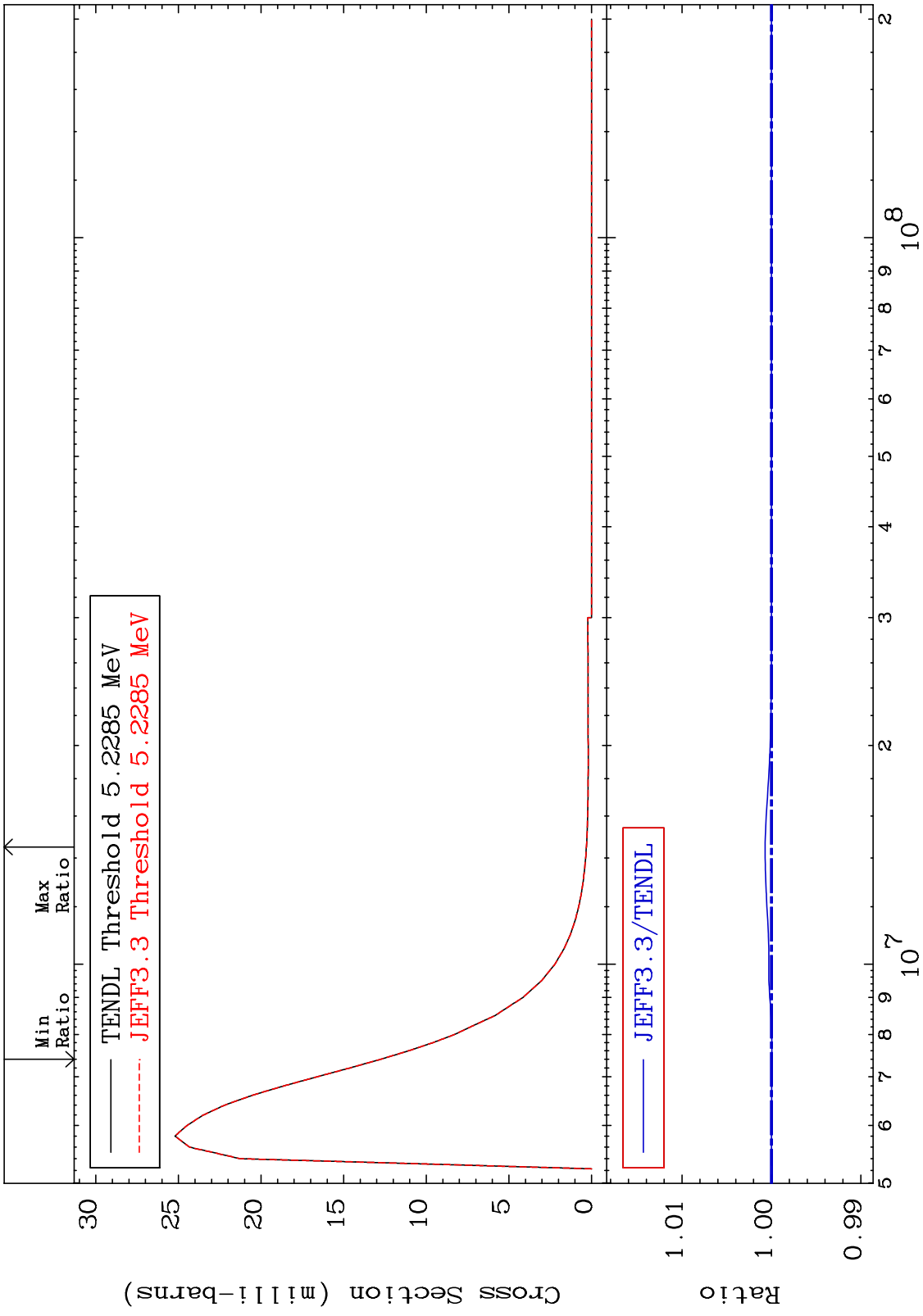


31 Incident Energy (eV) 22-Ti-50

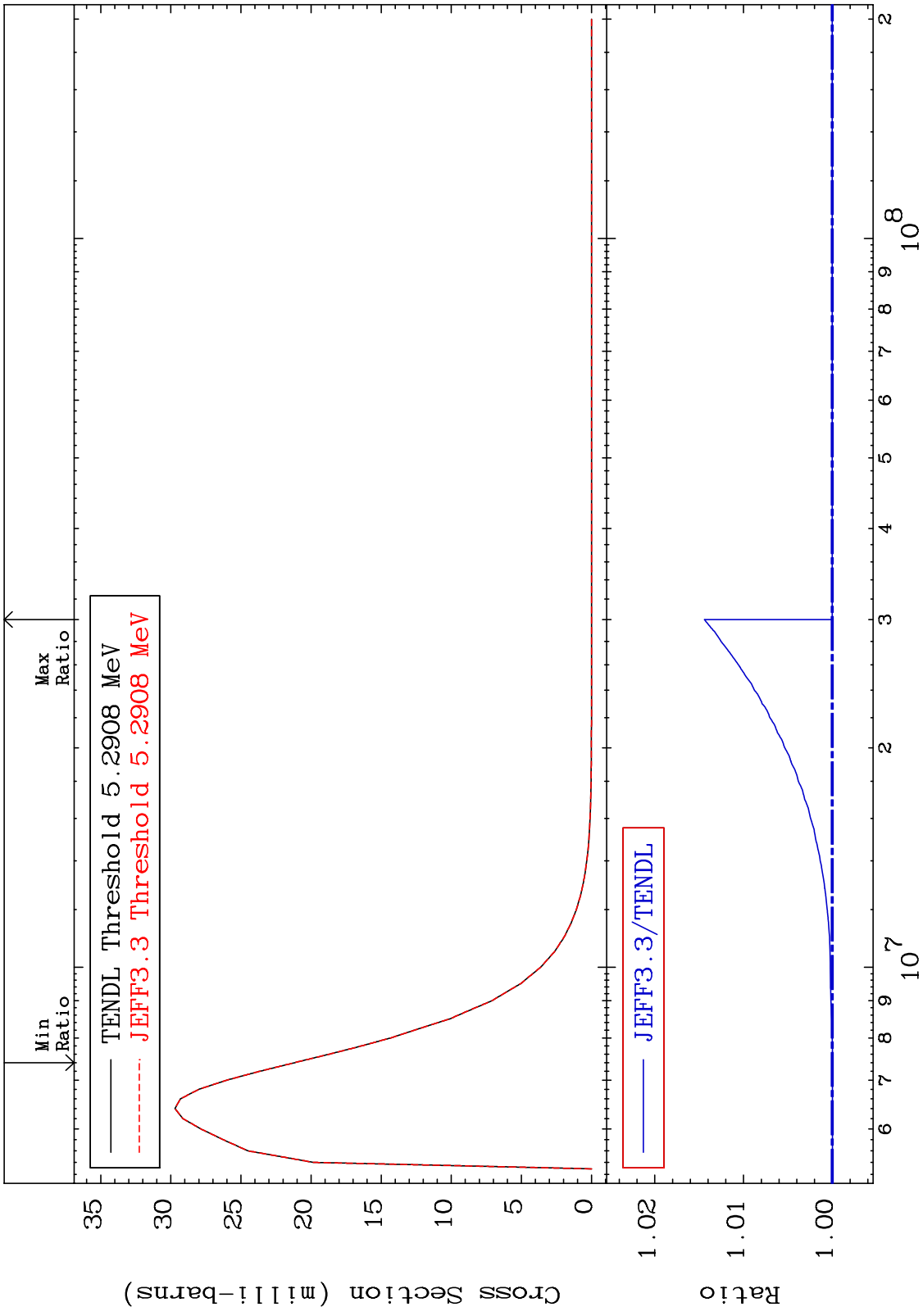
MAT 2237 MT= 69 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 0.071 %



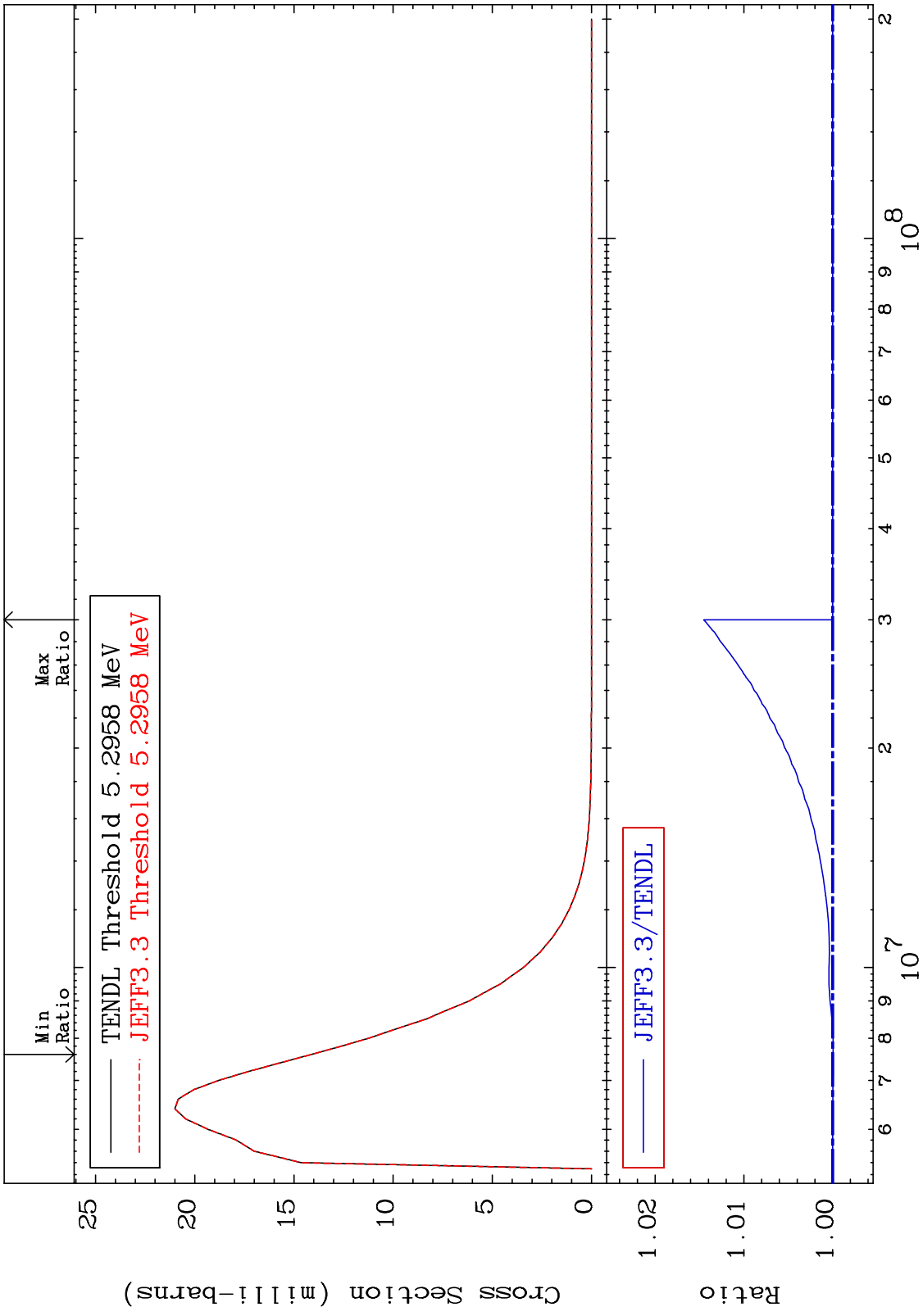
MAT 2237 MT= 70 (n,n') Level Cross Section 22-Ti-50
 -0.004 To 0.071 %



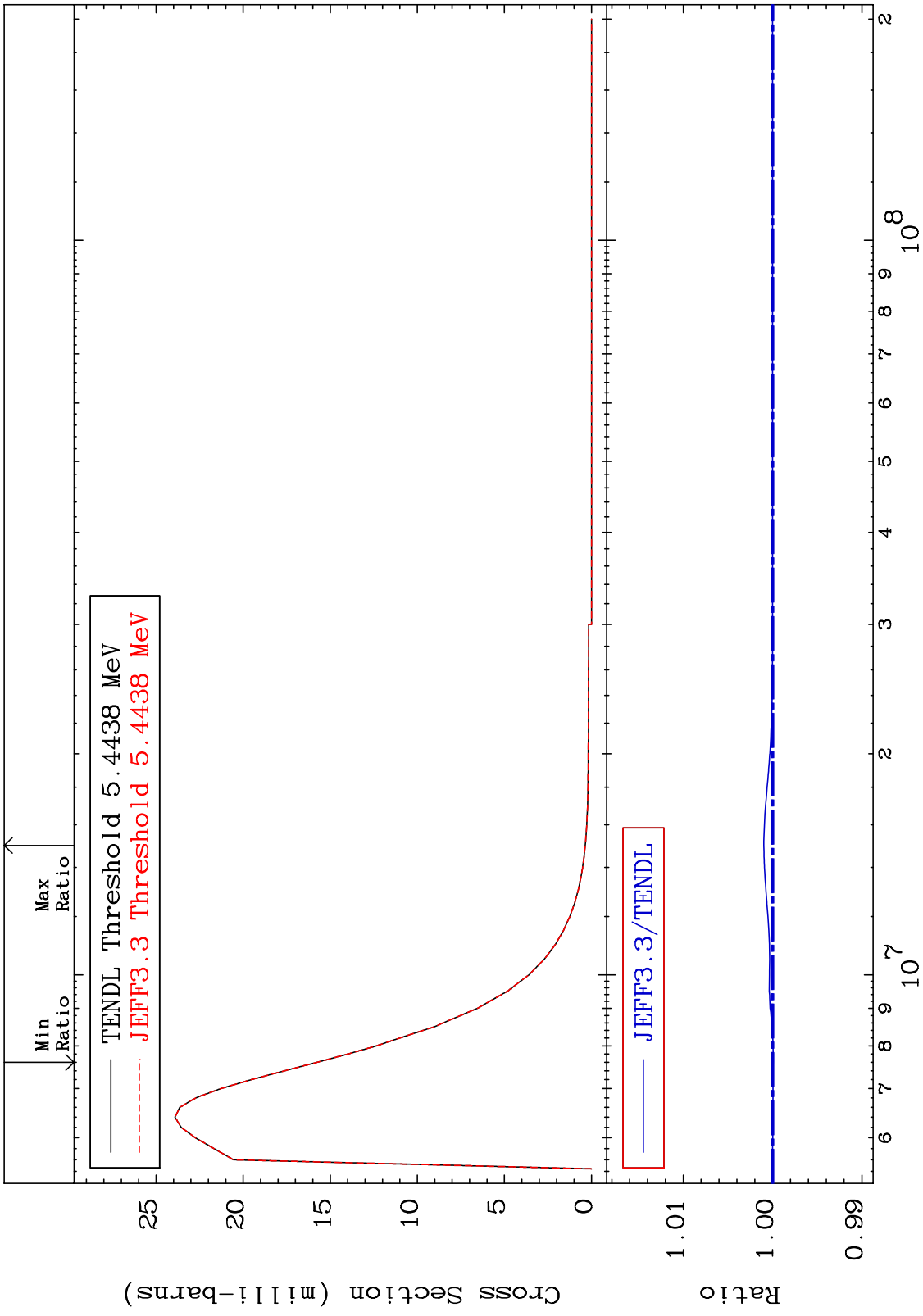
MAT 2237 MT= 71 (n,n') Level Cross Section 22-Ti-50
 -0.003 To 1.442 %



MAT 2237 MT= 72 (n,n') Level Cross Section 22-Ti-50
 -0.006 To 1.452 %



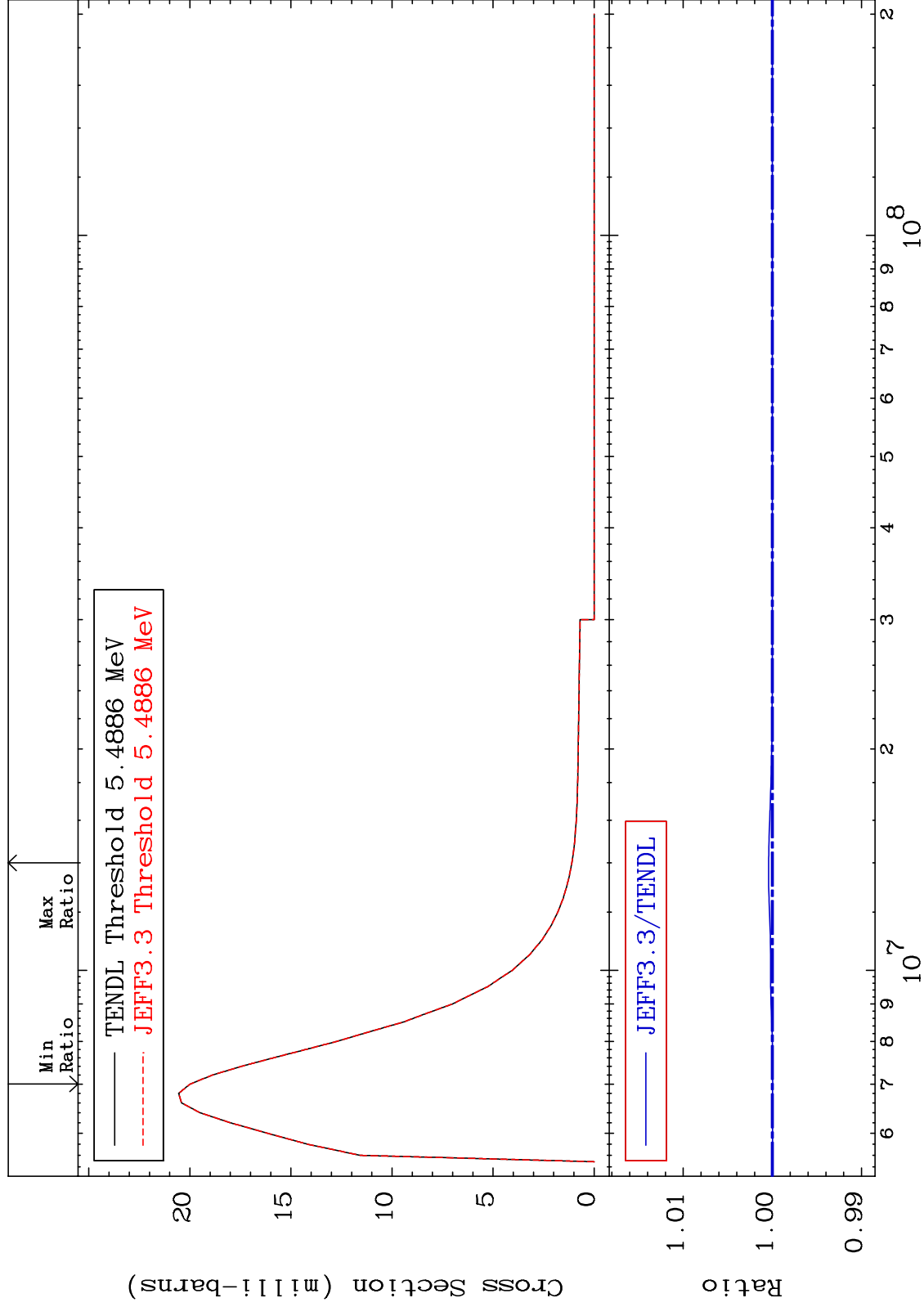
MAT 2237 MT= 73 (n,n') Level Cross Section 22-Ti-50
 -0.005 To 0.099 %



MAT 2237

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

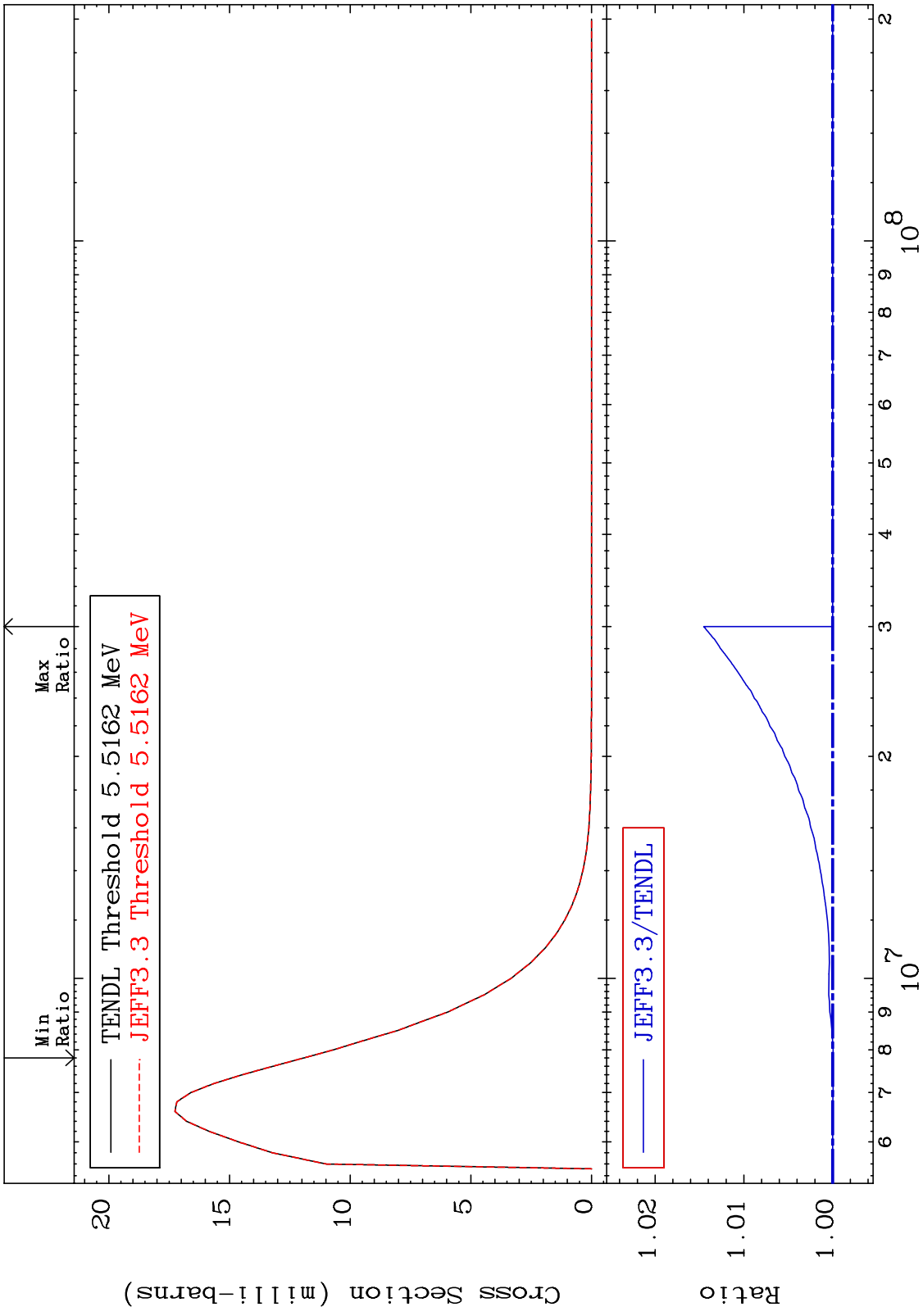
22-Ti-50
-0.003 To 0.043 %



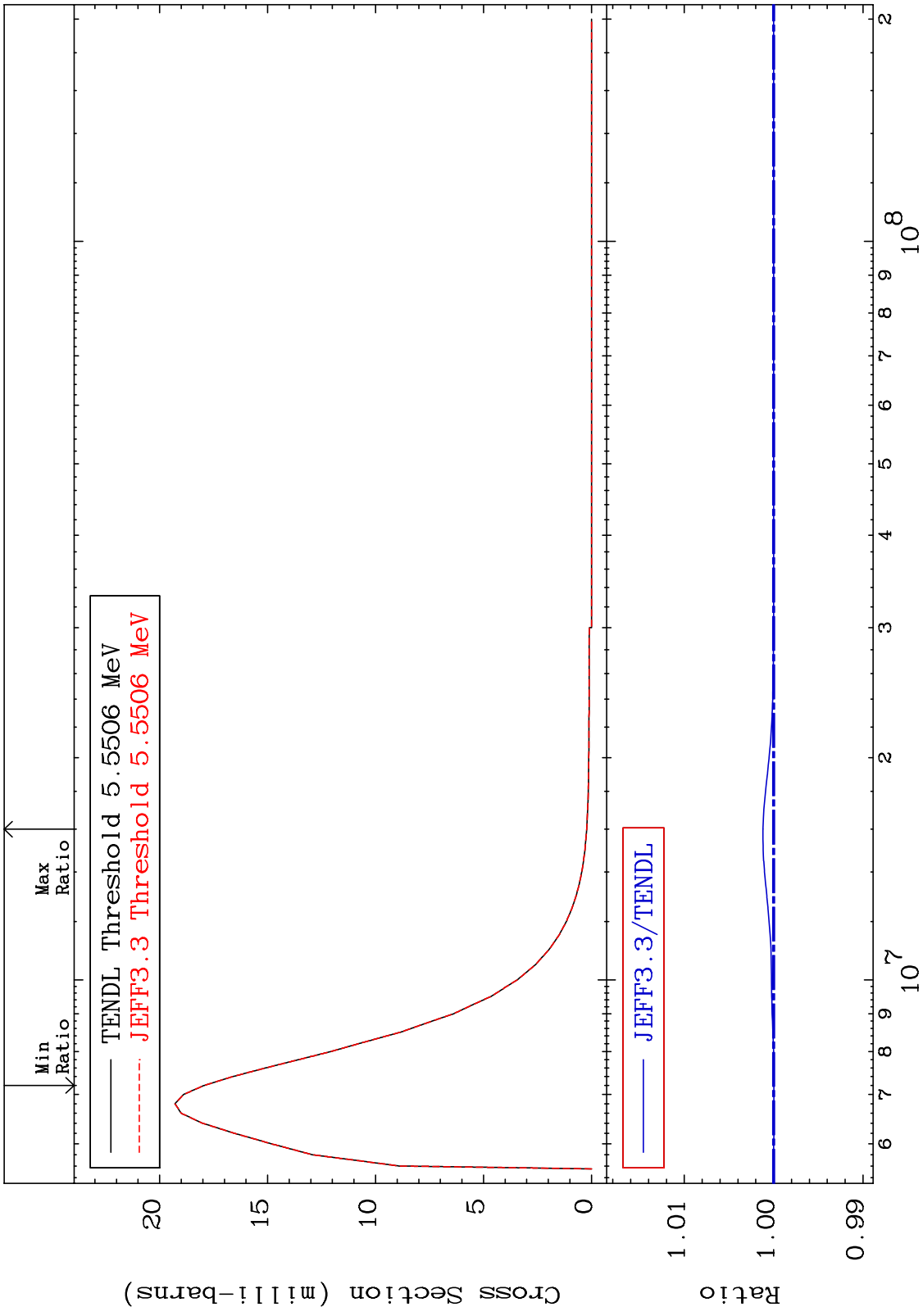
37

22-Ti-50

MAT 2237 MT= 75 (n,n') Level Cross Section 22-Ti-50
 -0.006 To 1.452 %



MAT 2237 MT= 76 (n,n') Level 22-Ti-50
 Cross Section -0.003 To 0.119 %

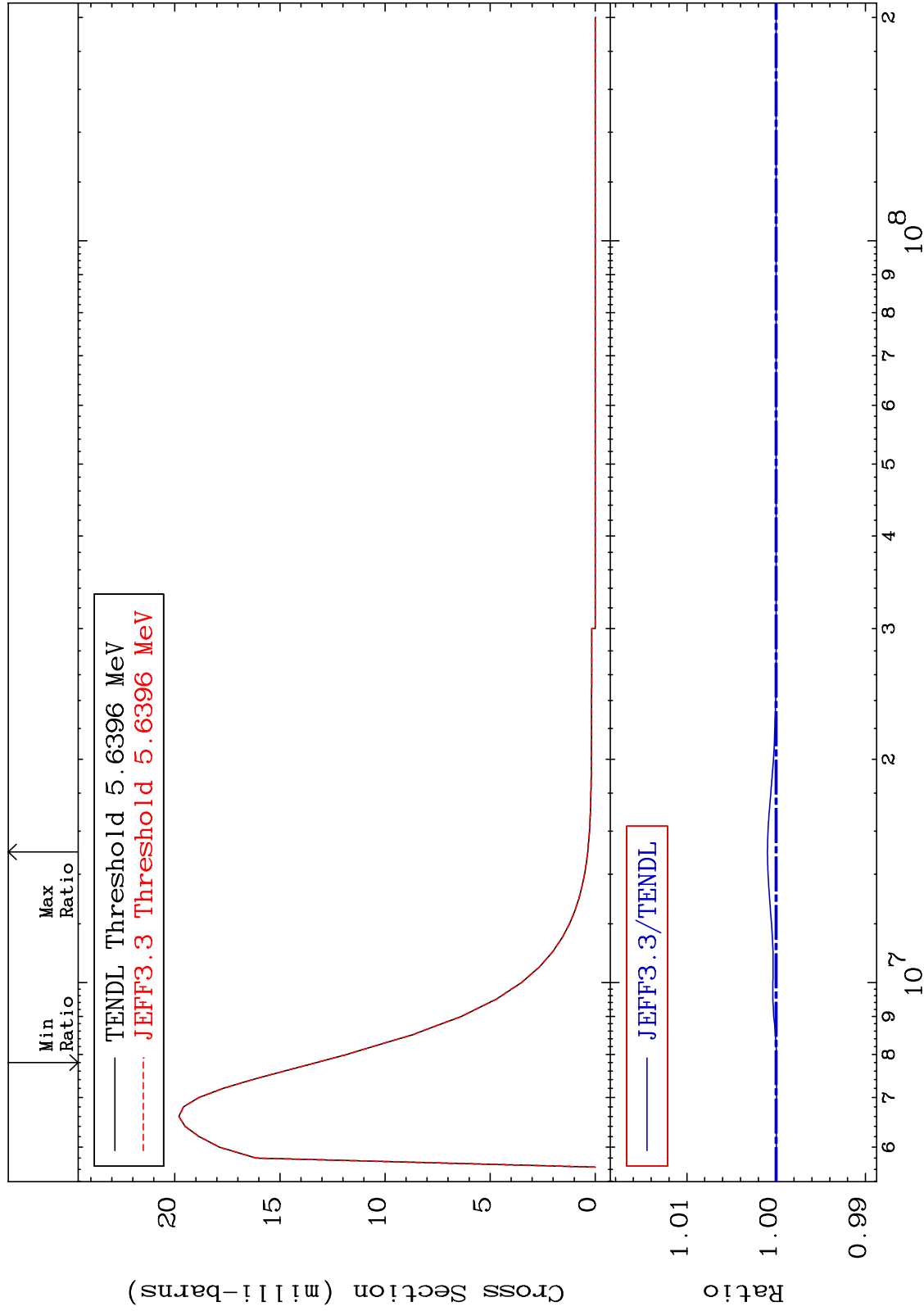


39 Incident Energy (eV) 22-Ti-50

MAT 2237

MT= 77 (n,n') Level
Cross Section

22-Ti-50
-0.005 To 0.098 %

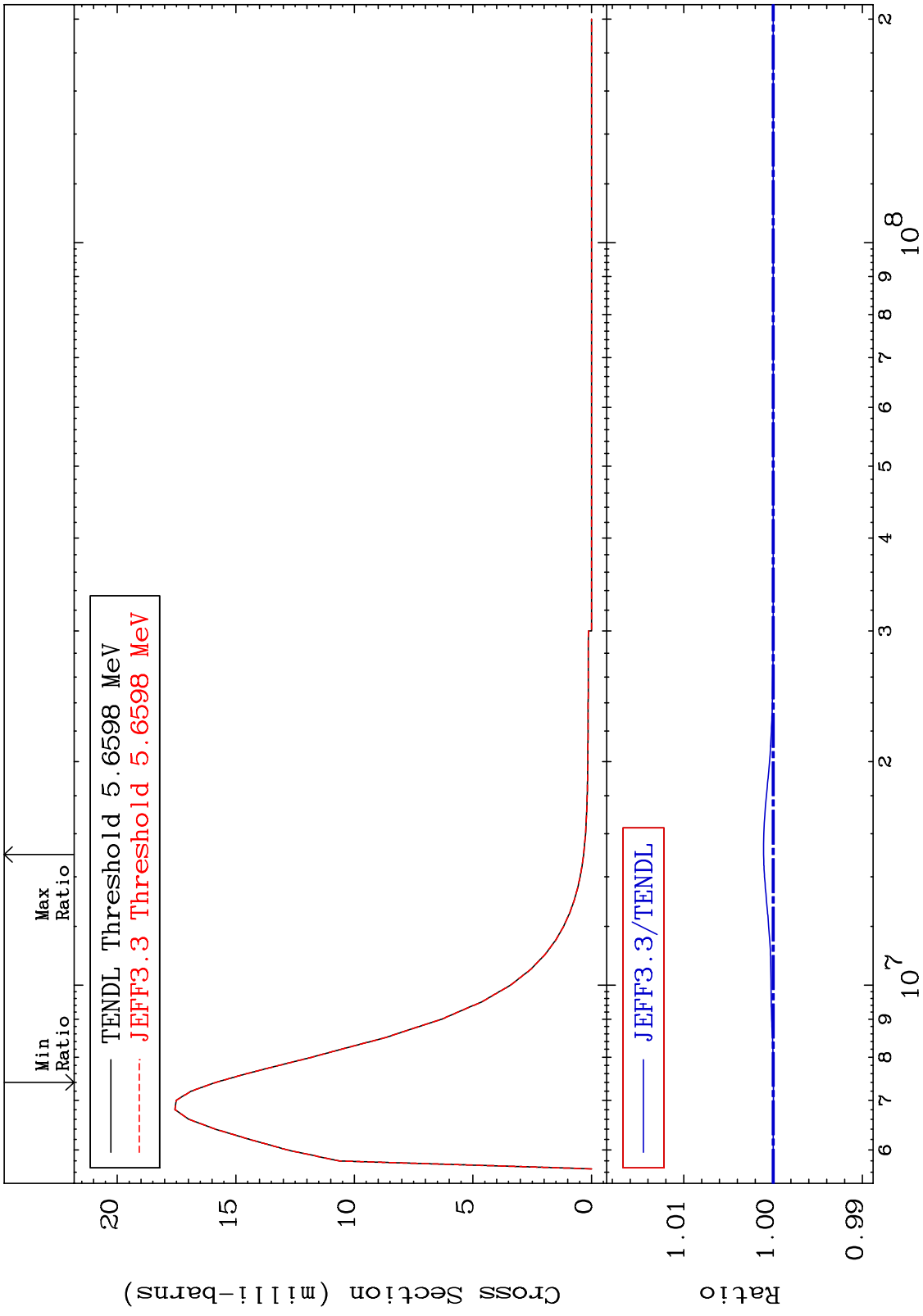


40

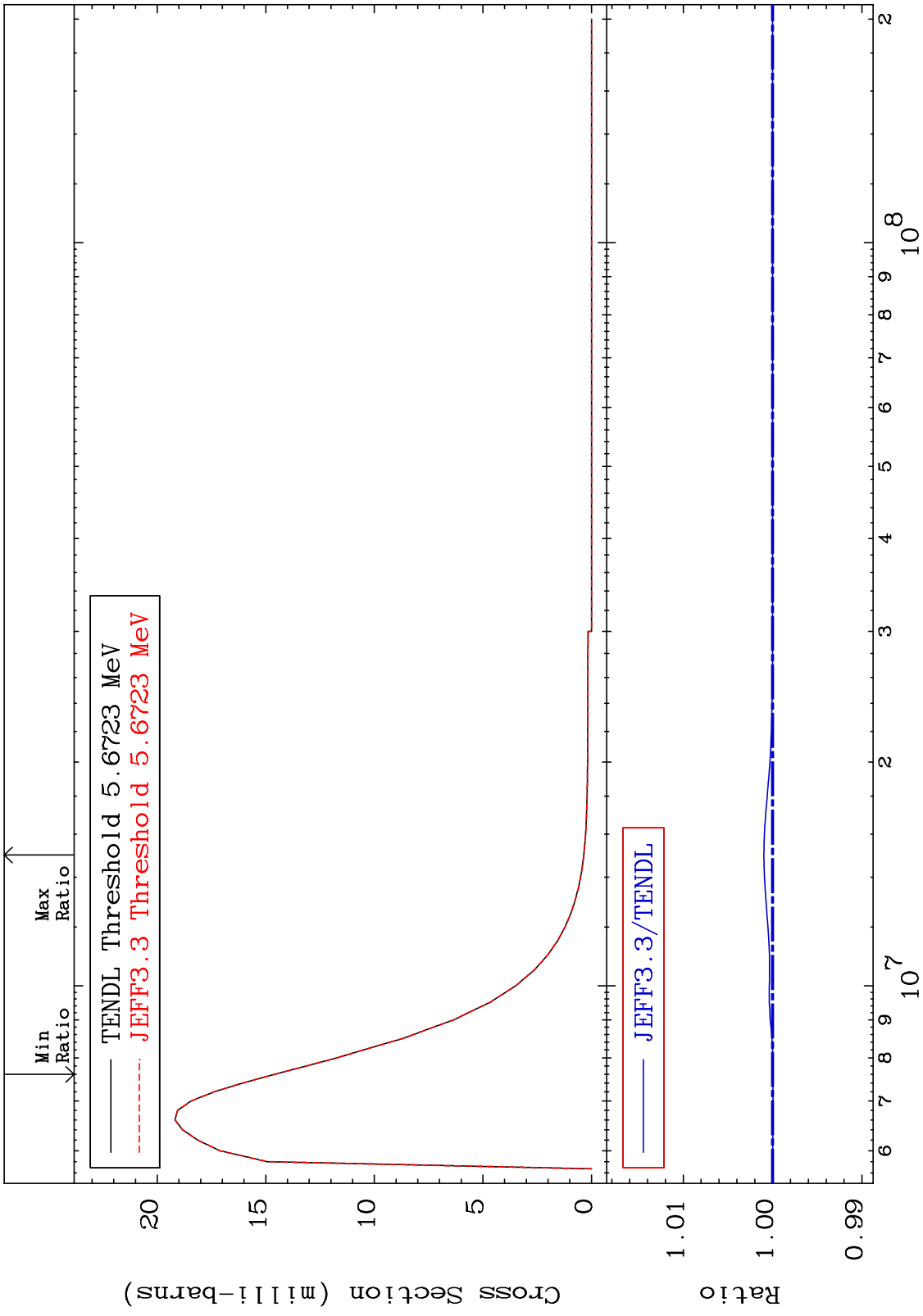
Incident Energy (eV)

22-Ti-50

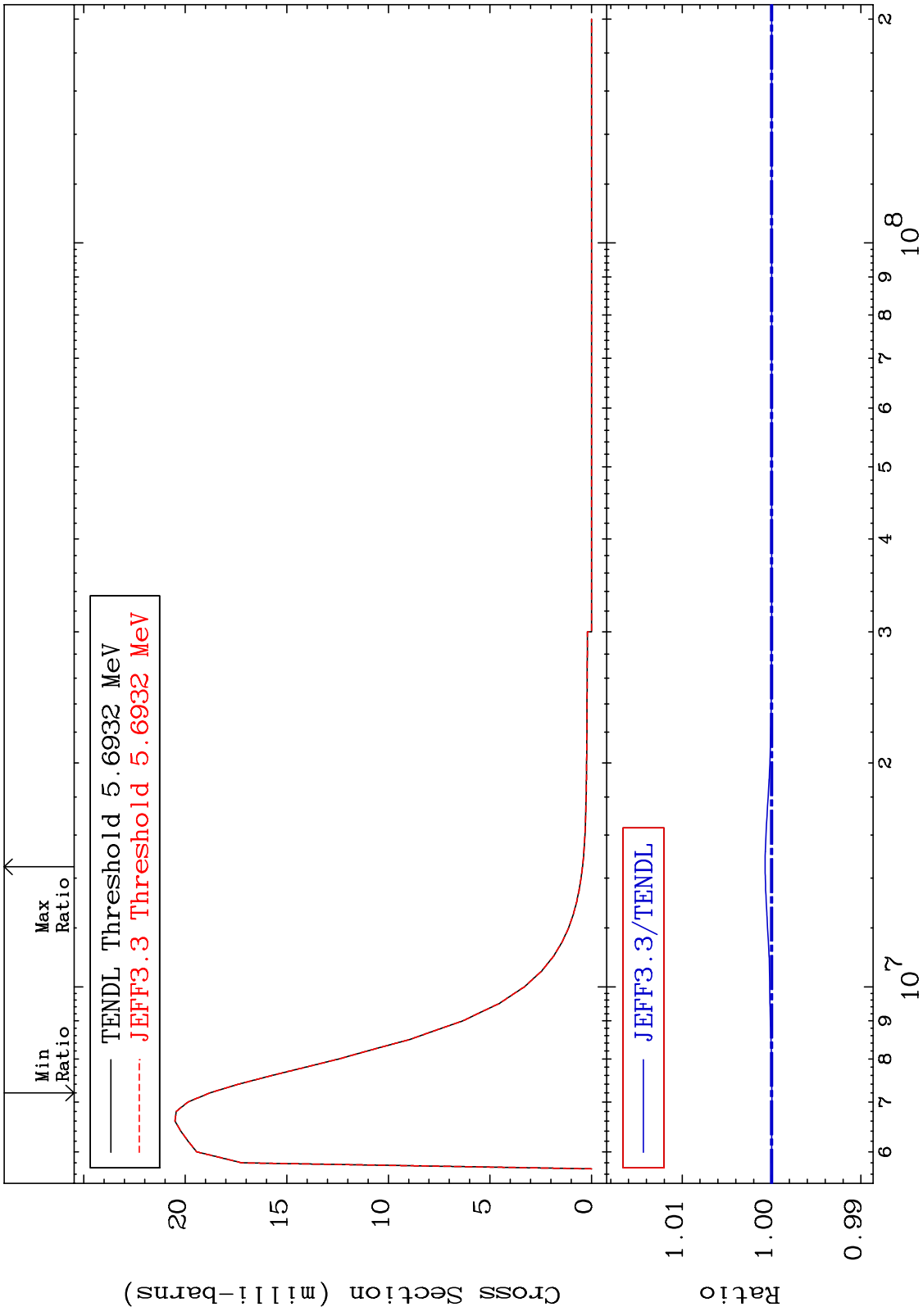
MAT 2237 MT= 78 (n,n') Level Cross Section -0.003 To 0.108 % 22-Ti-50



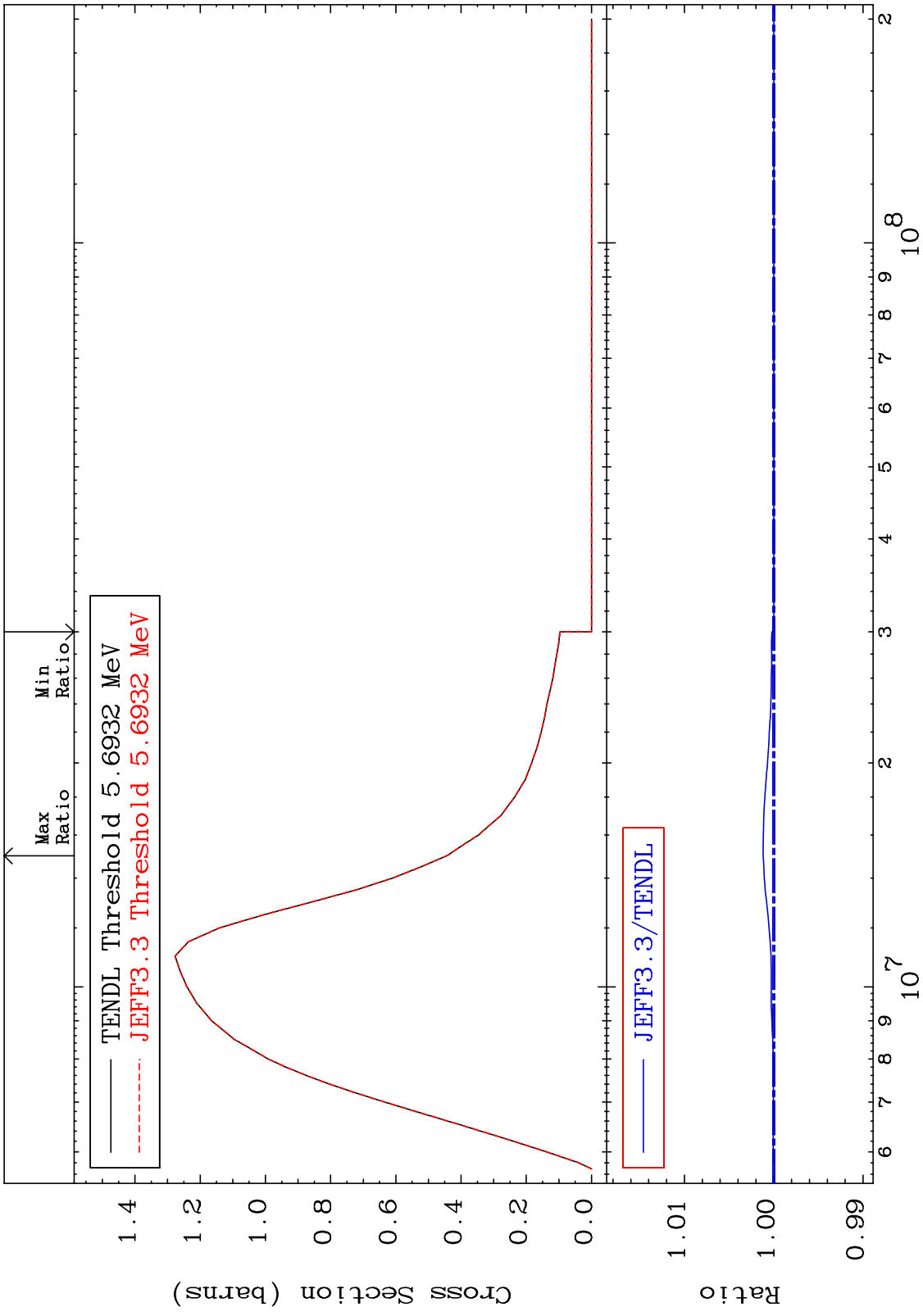
MAT 2237 MT= 79 (n,n') Level Cross Section 22-Ti-50
 -0.005 To 0.098 %



MAT 2237 MT= 80 (n,n') Level Cross Section -0.003 To 0.072 % 22-Ti-50



MAT 2237 (n,n') Continuum Cross Section 22-Ti-50 To 0.119 %



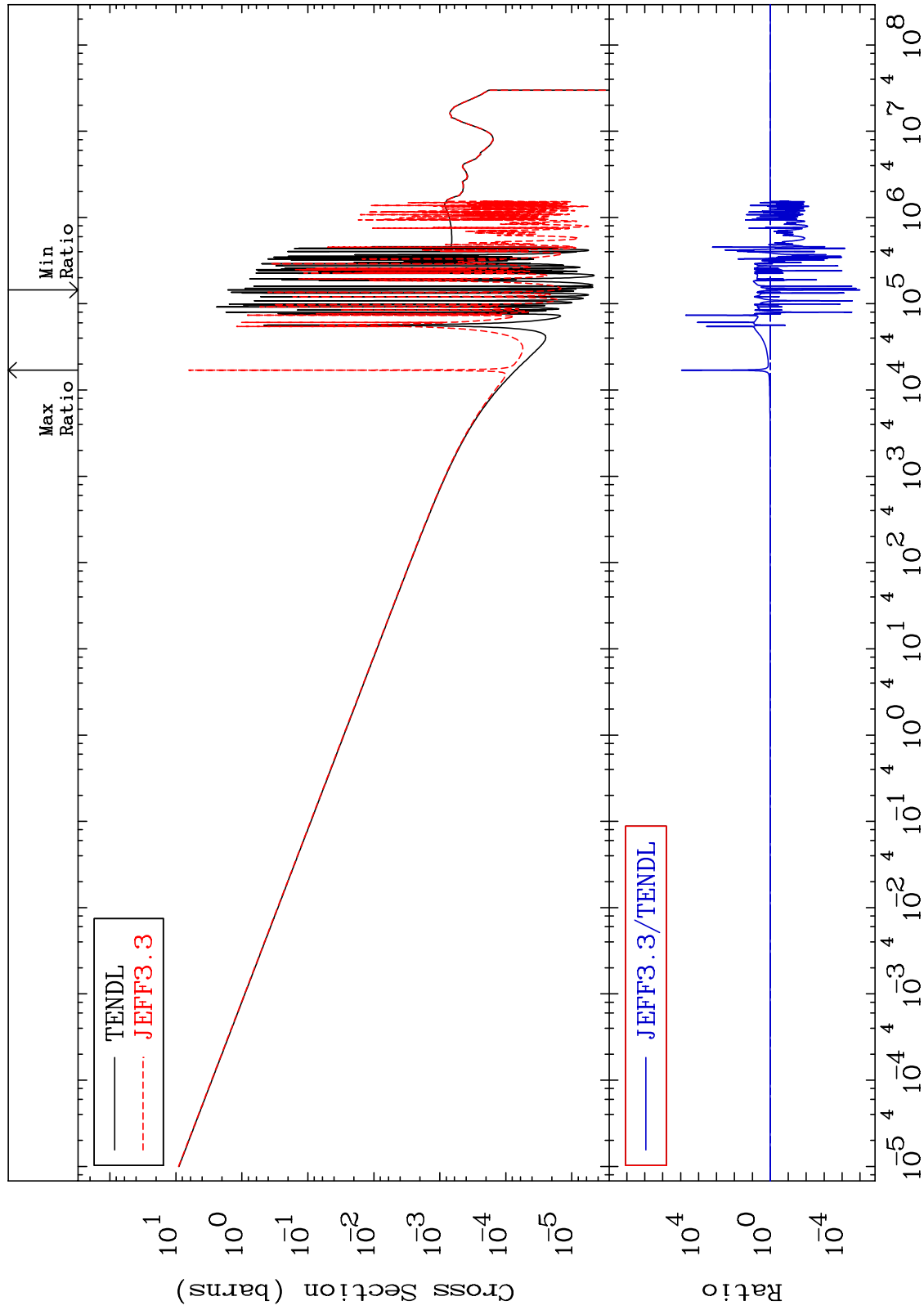
MAT 2237

(n, γ)

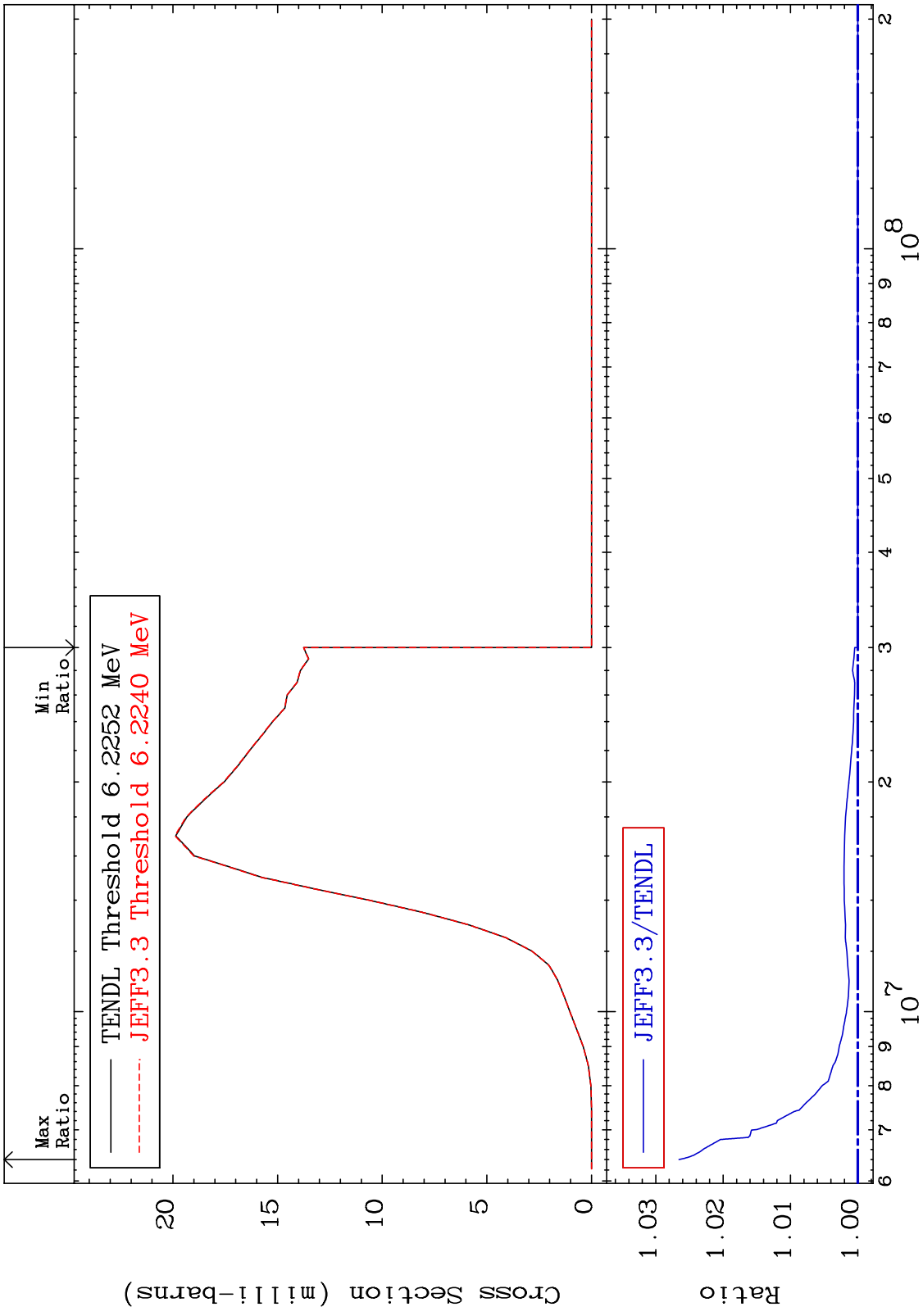
22-Ti-50

Cross Section

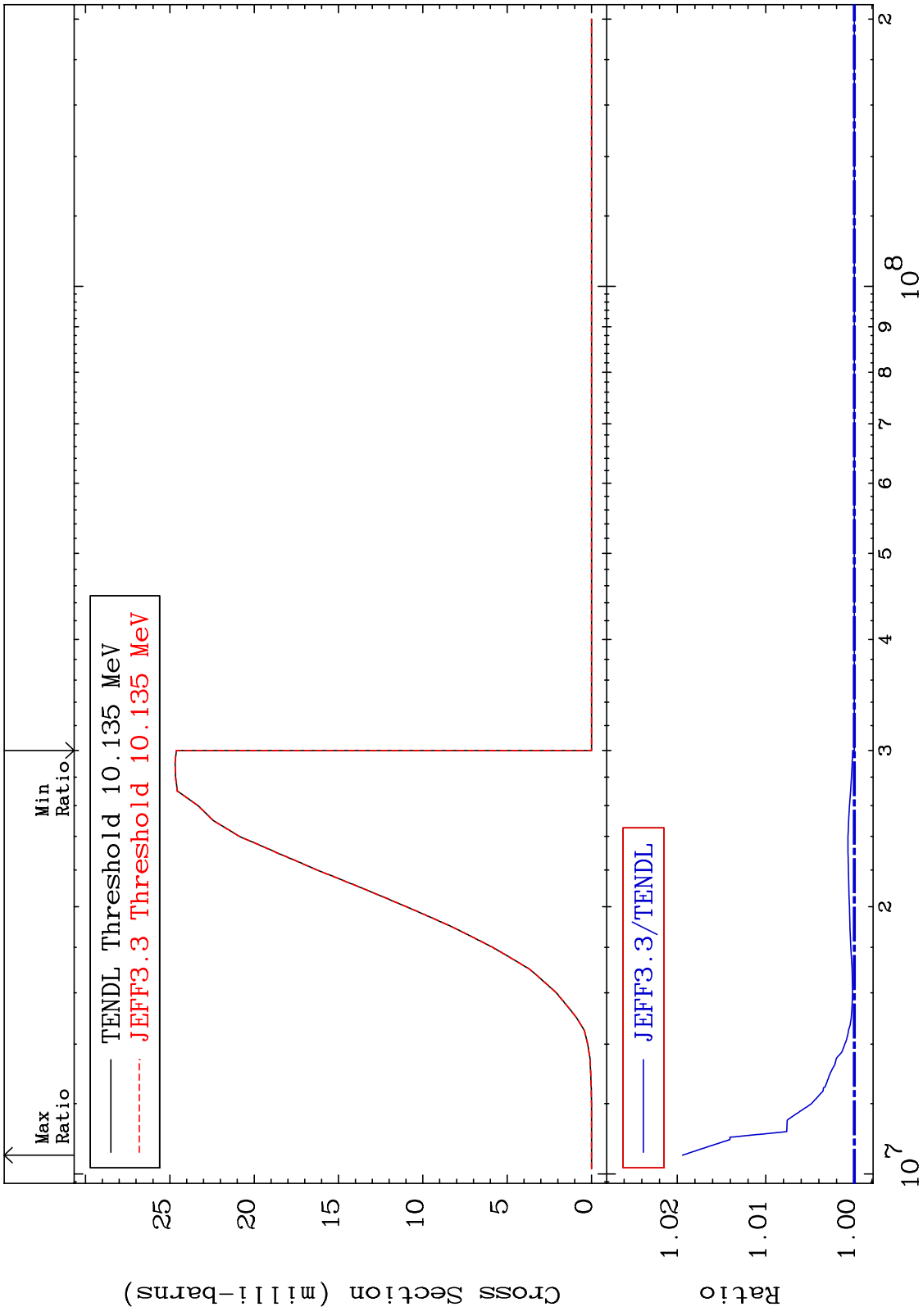
-100.0 To 9999. %



MAT 2237 (n,p) Cross Section 22-Ti-50 To 2.655 %

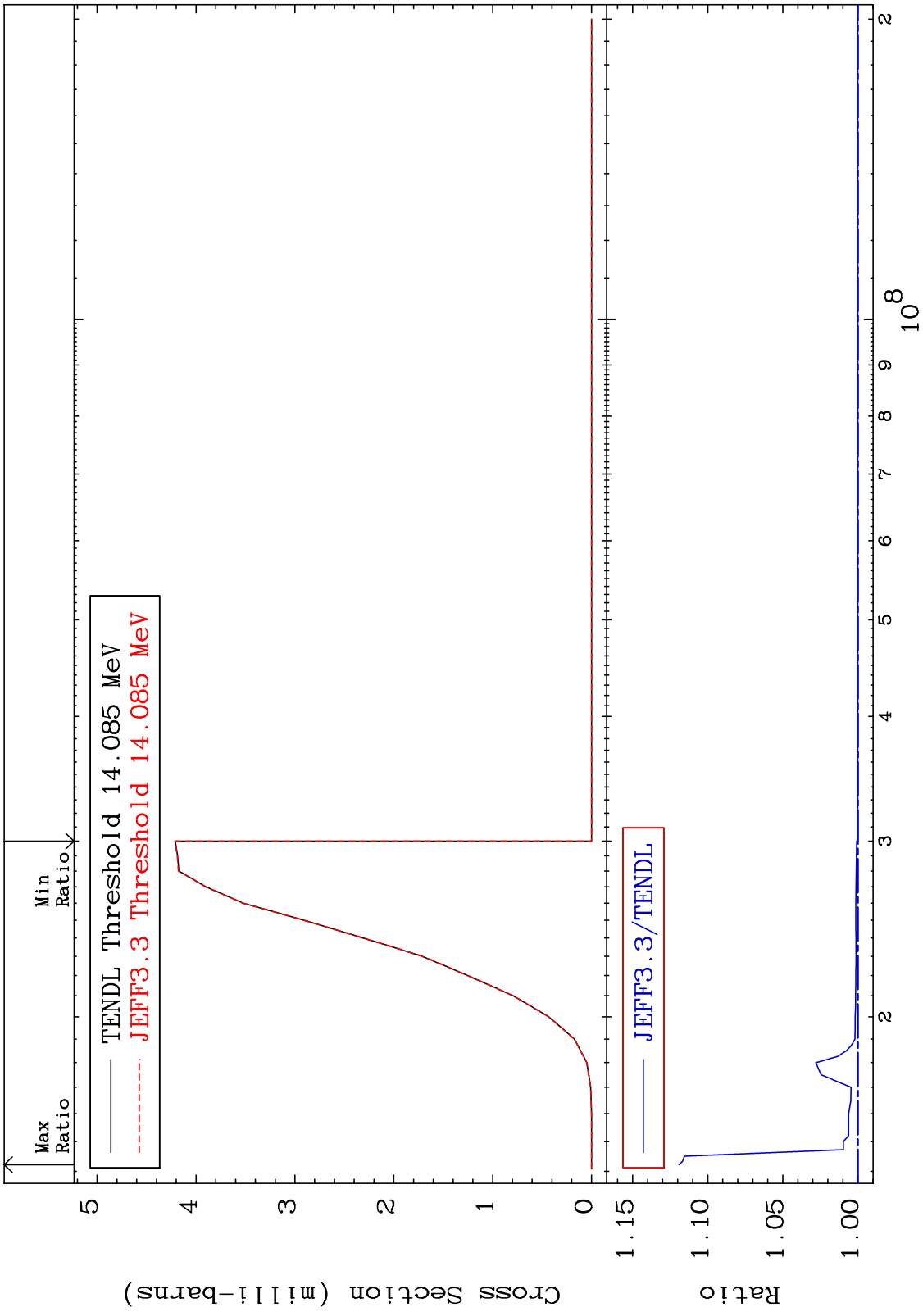


MAT 2237 (n,d) Cross Section 22-Ti-50 To 1.940 %

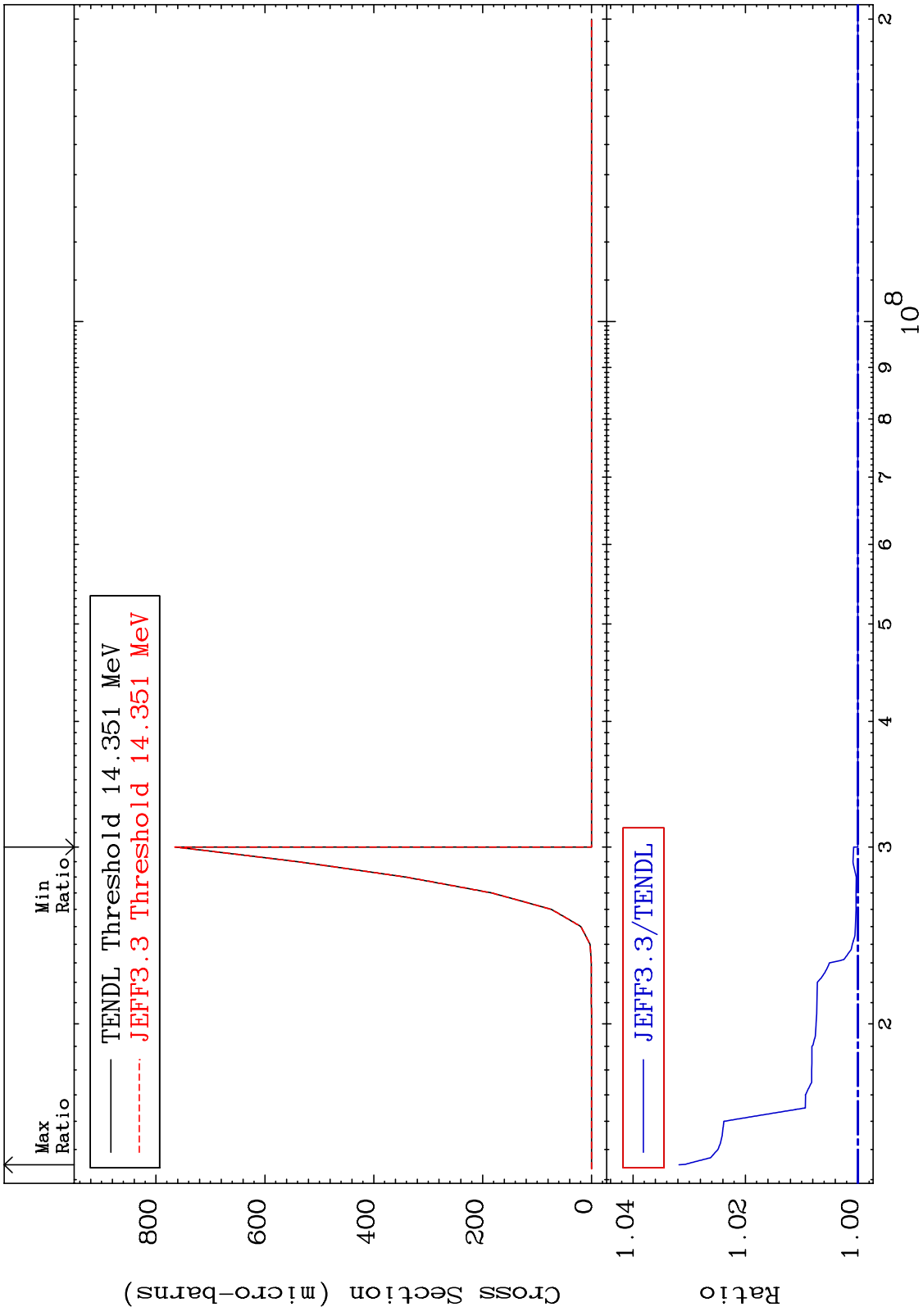


47 22-Ti-50

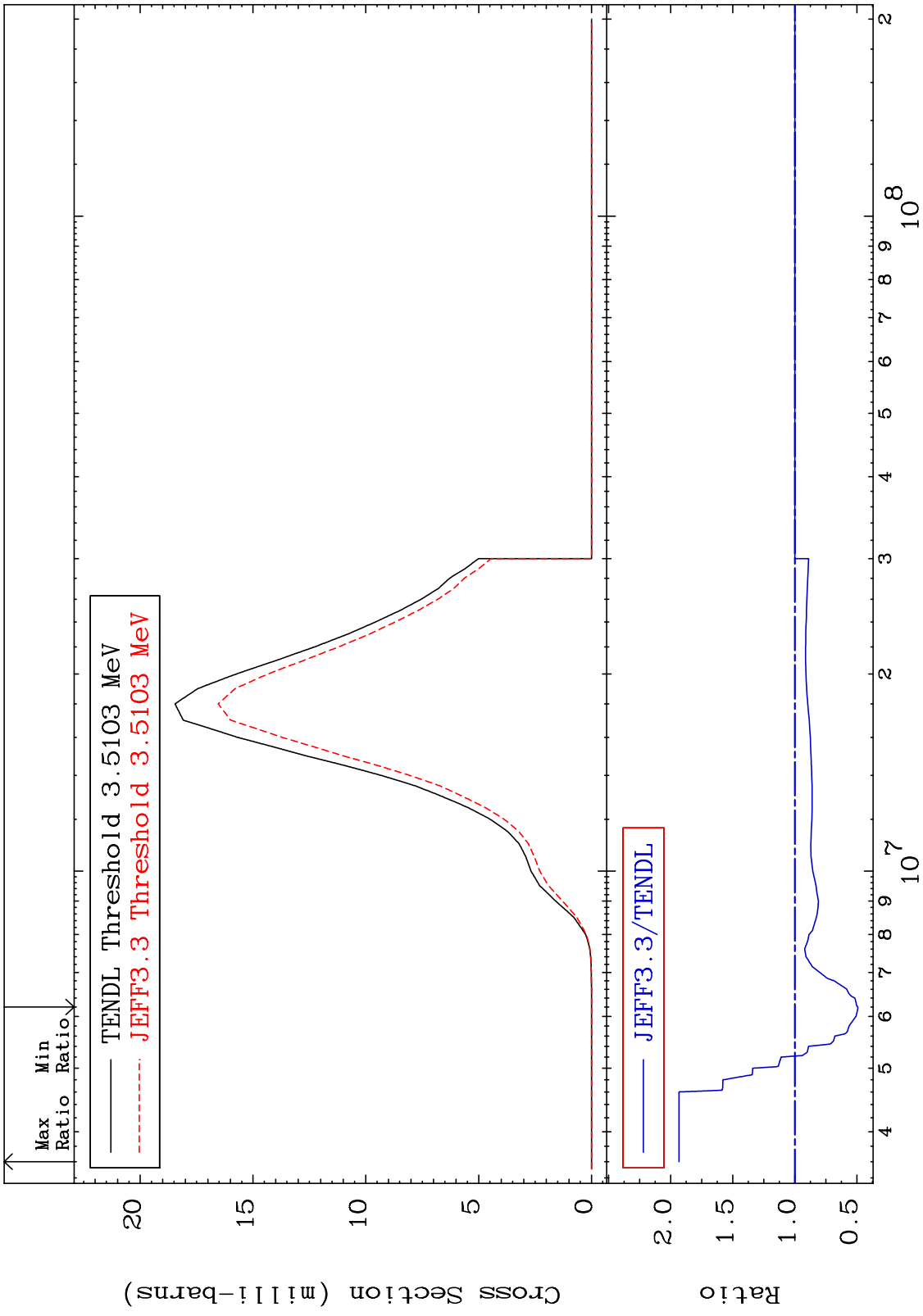
MAT 2237 (n,t) Cross Section 22-Ti-50 To 11.91 %



MAT 2237 (n, He-3) 22-Ti-50
 Cross Section 0.000 To 3.181 %

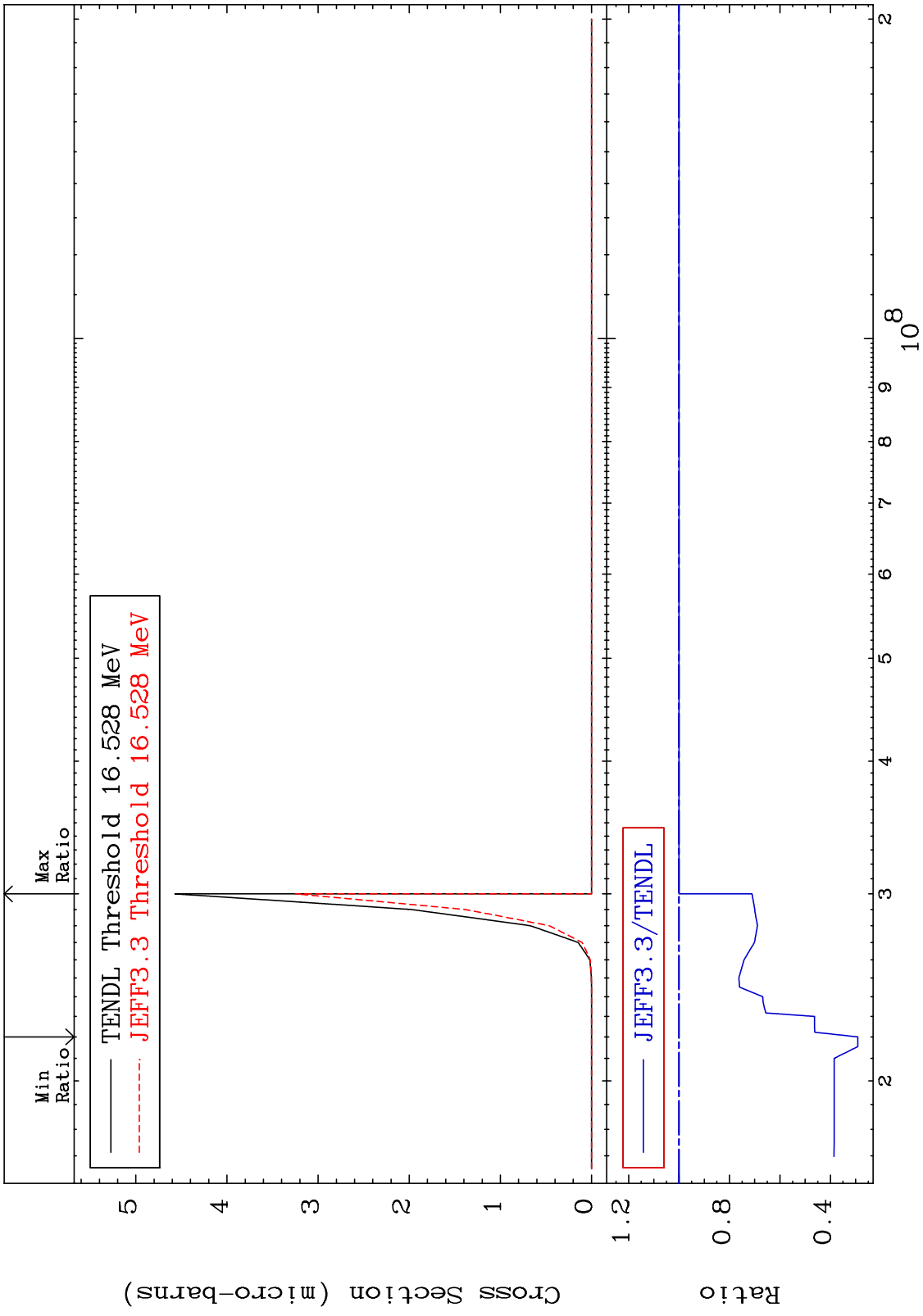


MAT 2237 (n,α) 22-Ti-50
 Cross Section -50.77 To 93.29 %

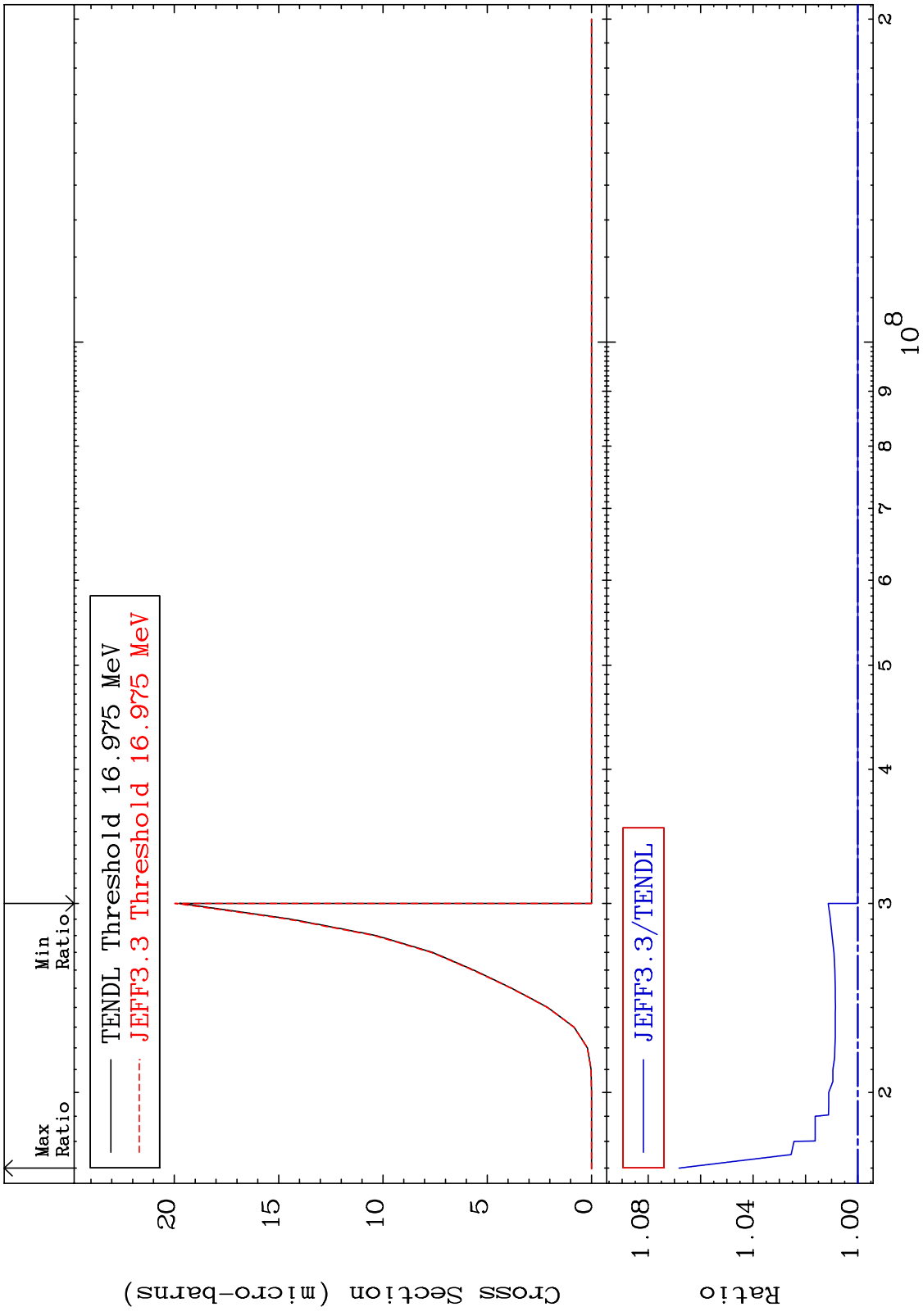


50 22-Ti-50

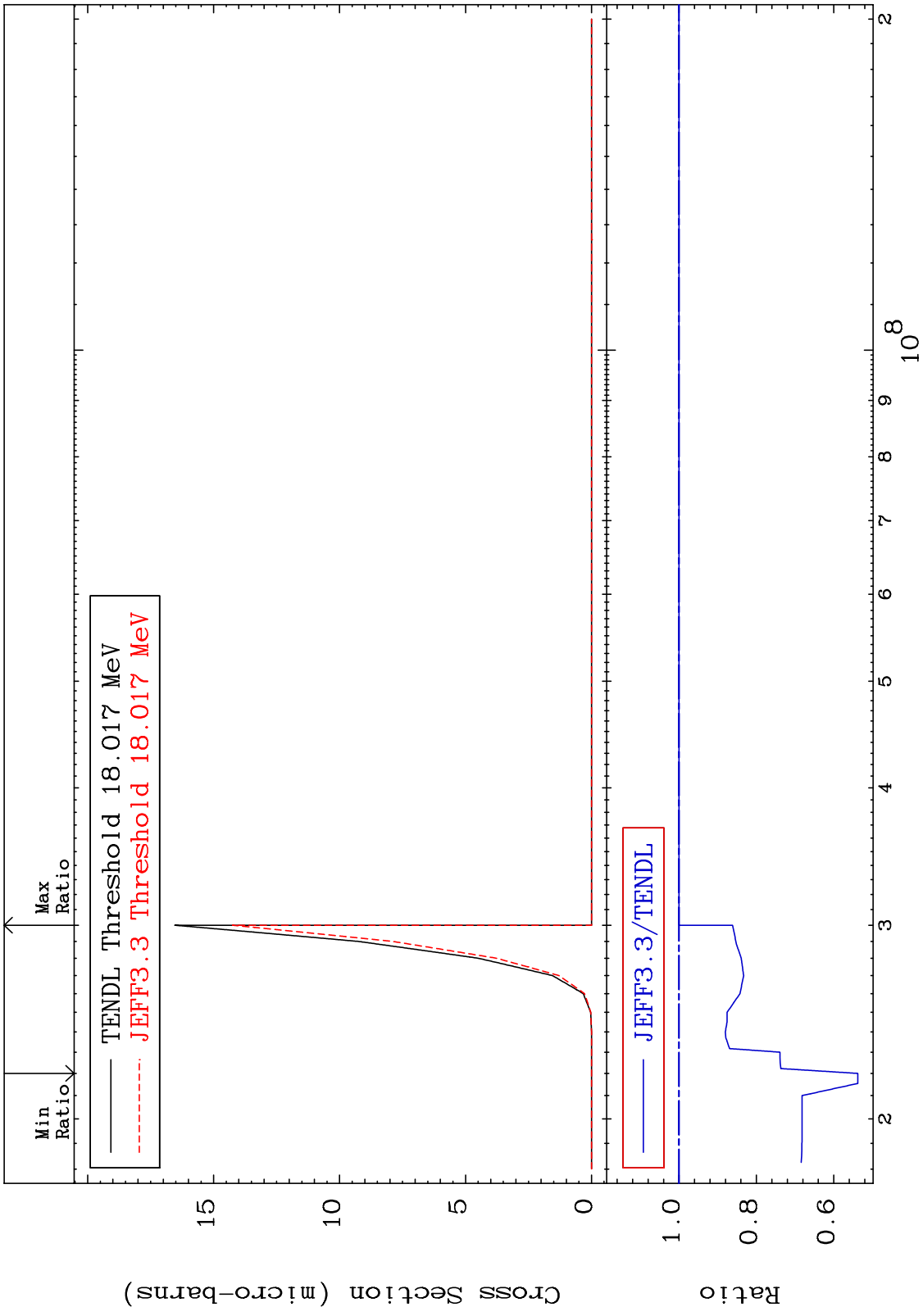
MAT 2237 $(n, 2\alpha)$ 22-Ti-50
 Cross Section -70.88 To 0.000 %



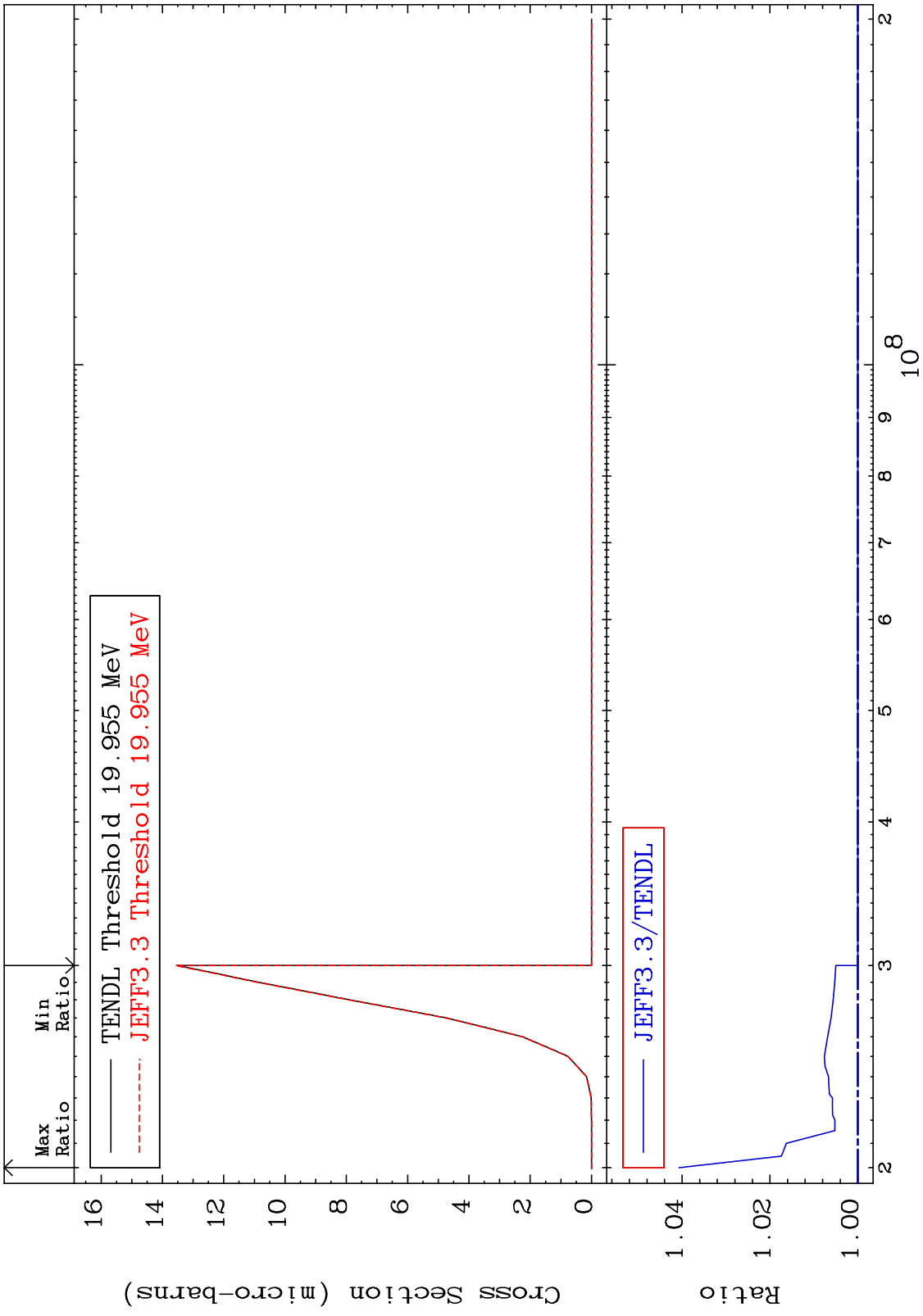
MAT 2237 (n,2p) Cross Section 22-Ti-50
 0.000 To 6.825 %



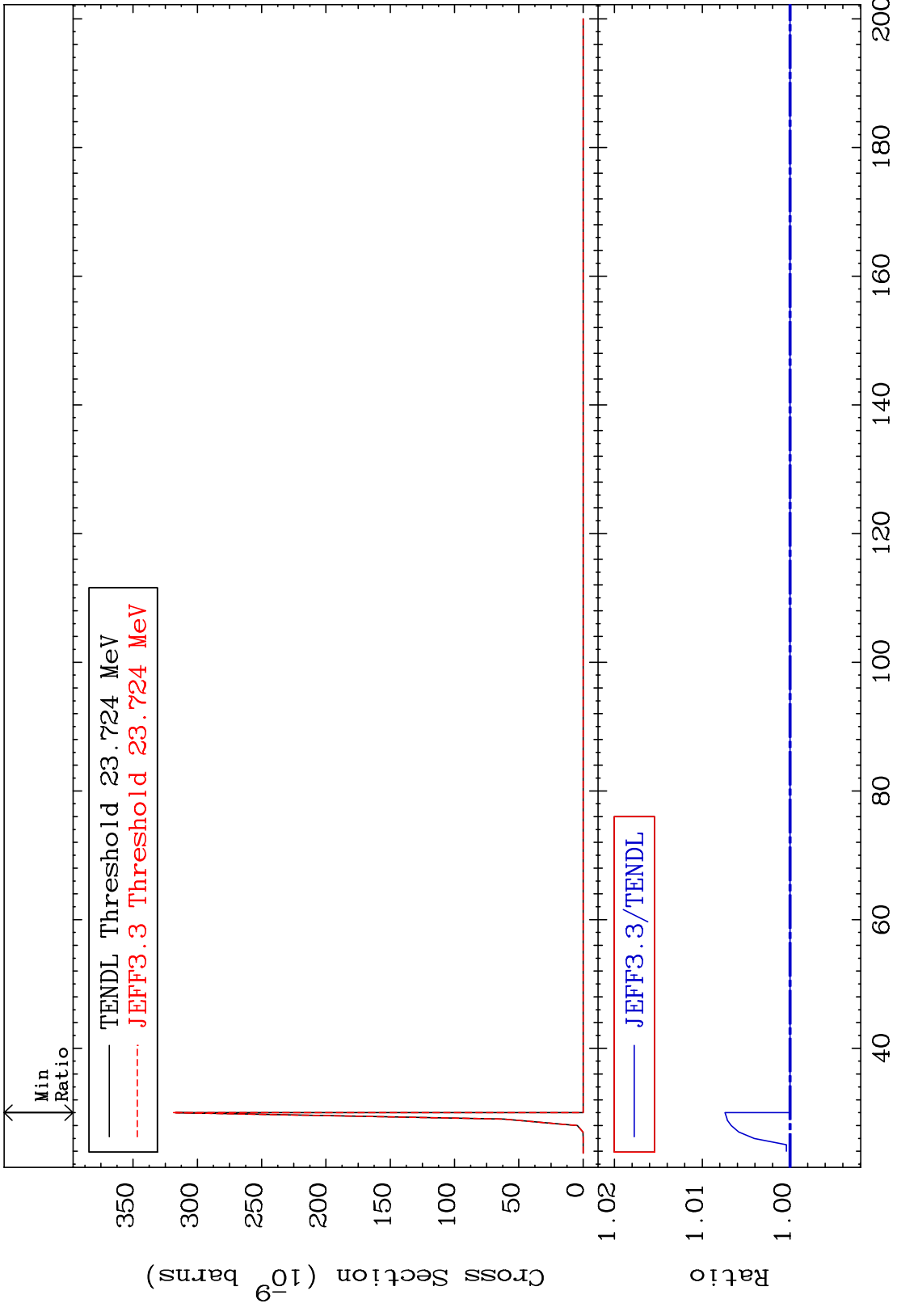
MAT 2237 (n,p) α 22-Ti-50
 Cross Section -46.22 To 0.000 %



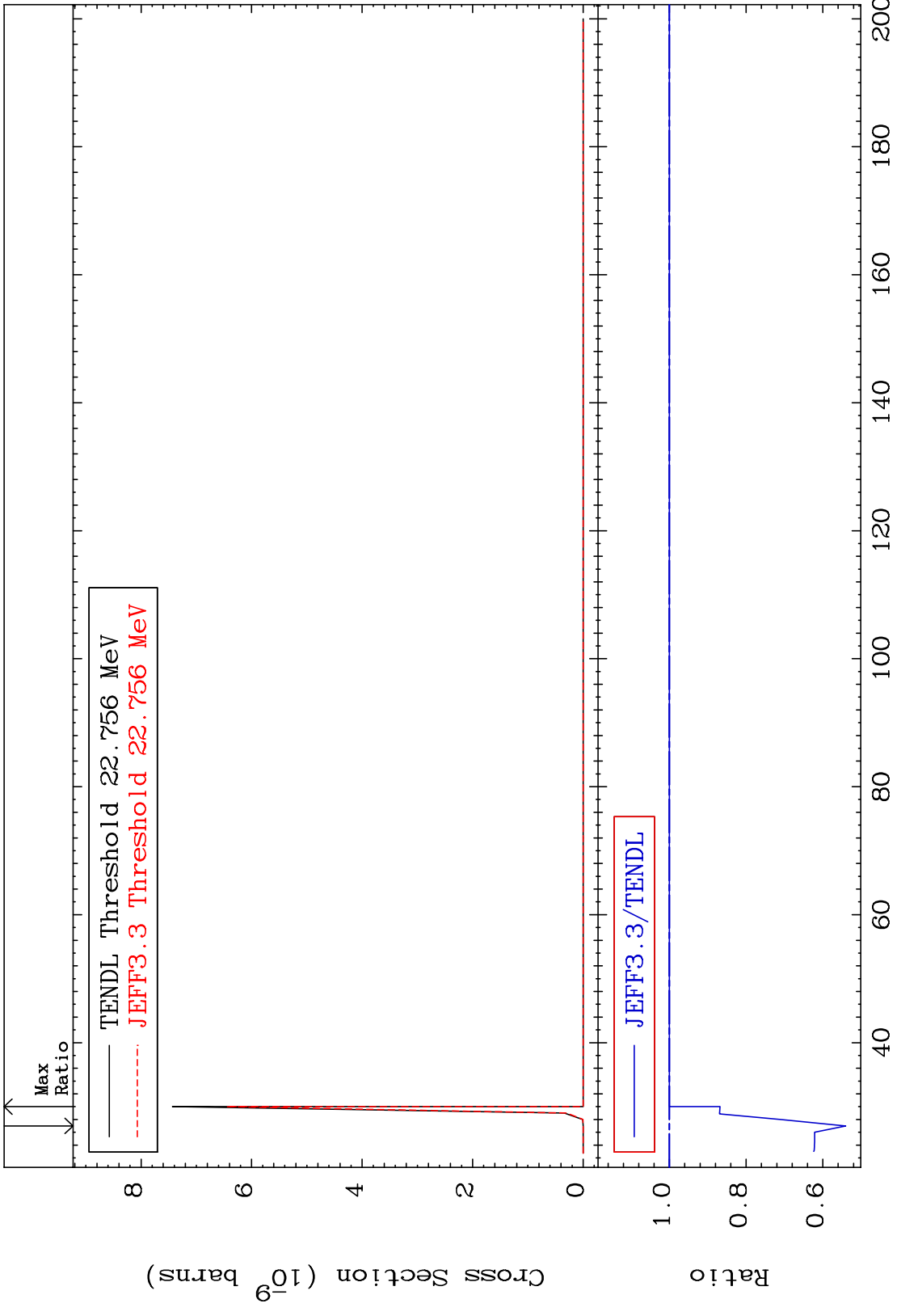
MAT 2237 (n,p) d 22-Ti-50
 Cross Section 0.000 To 4.070 %

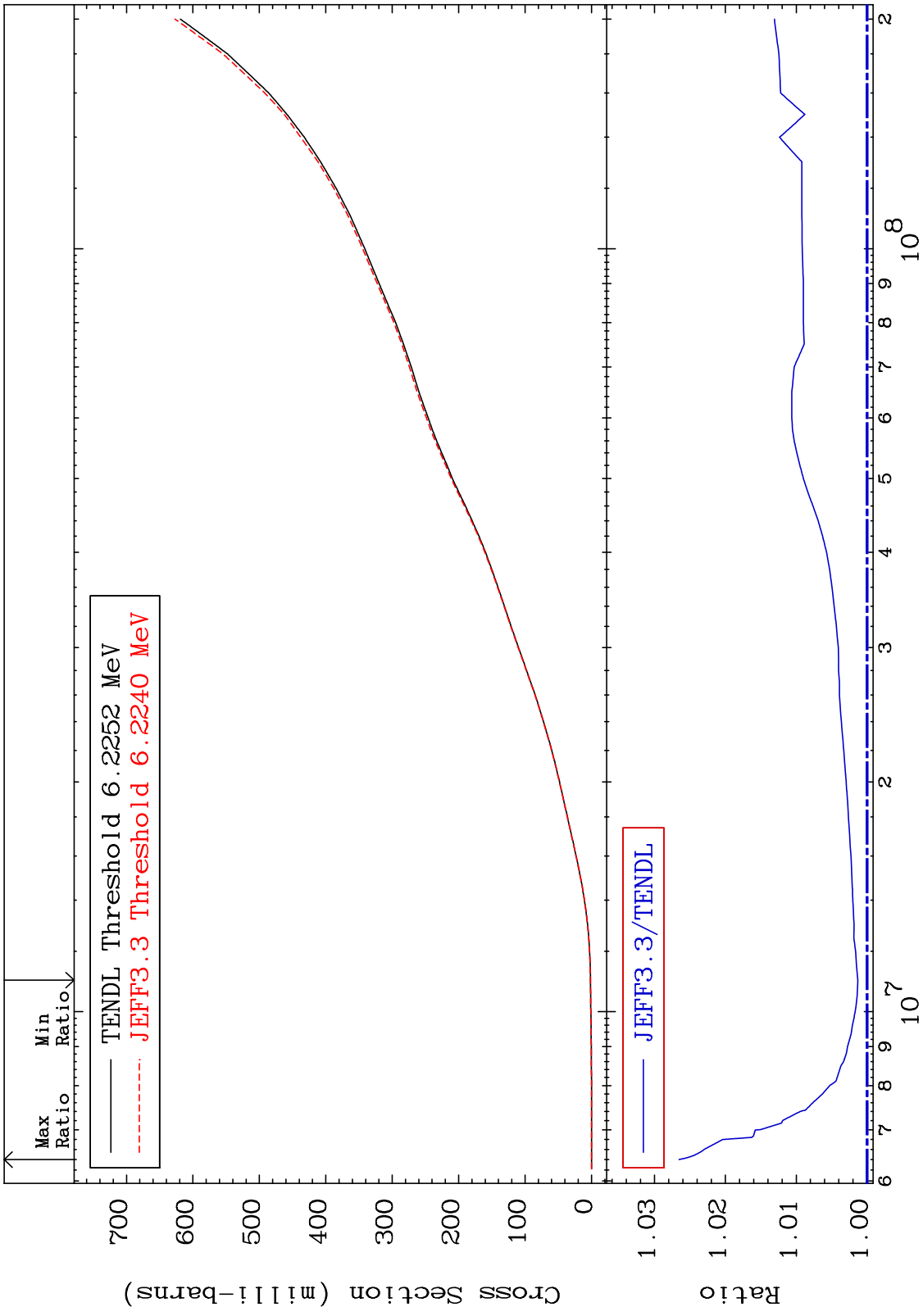


MAT 2237 (n,p) t 22-Ti-50
Cross Section 0.000 To 0.741 %

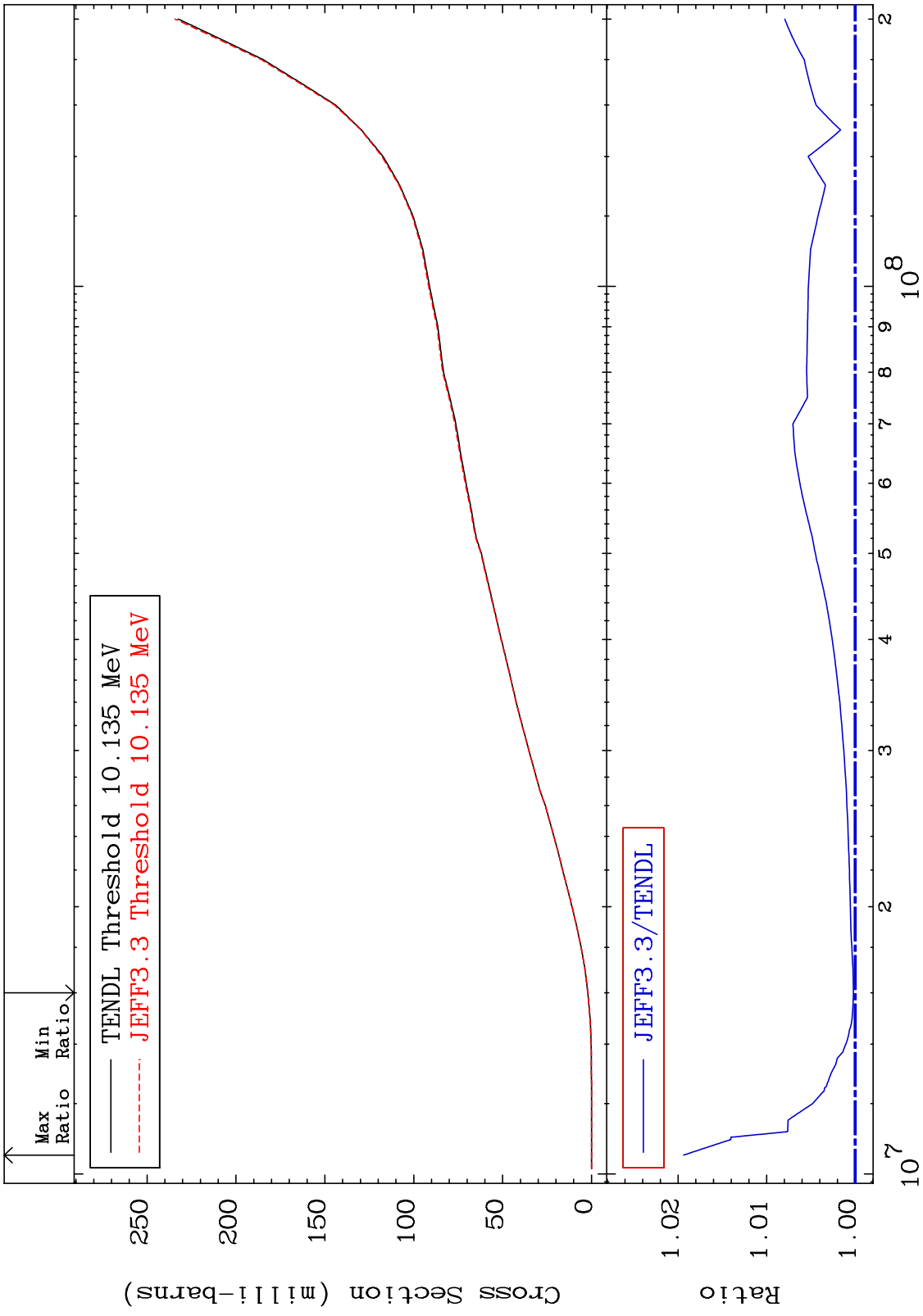


MAT 2237 (n,d) α 22-Ti-50
Cross Section -45.96 To 0.000 %



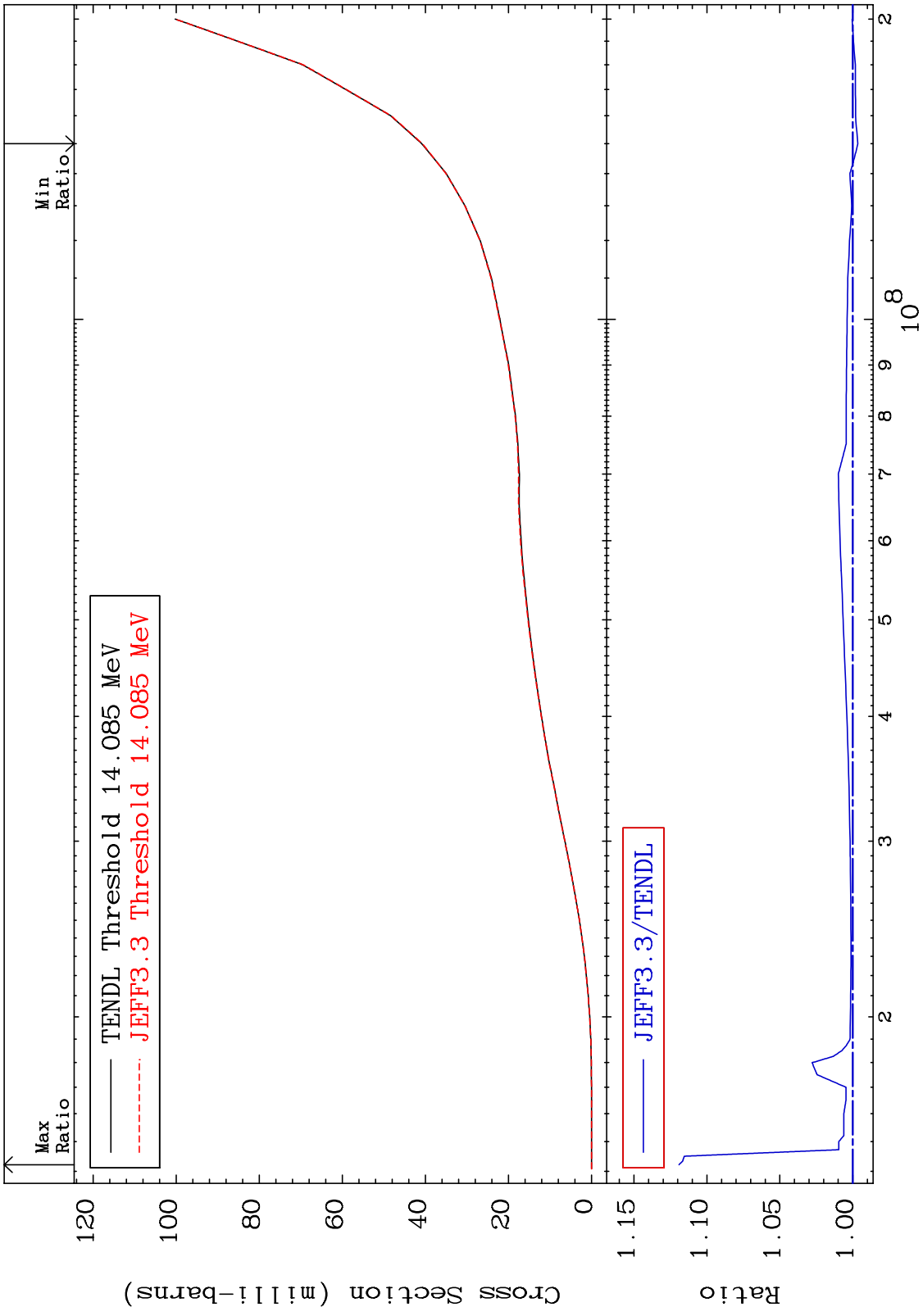


MAT 2237 Deuterium Production Cross Section 22-Ti-50 To 1.940 %

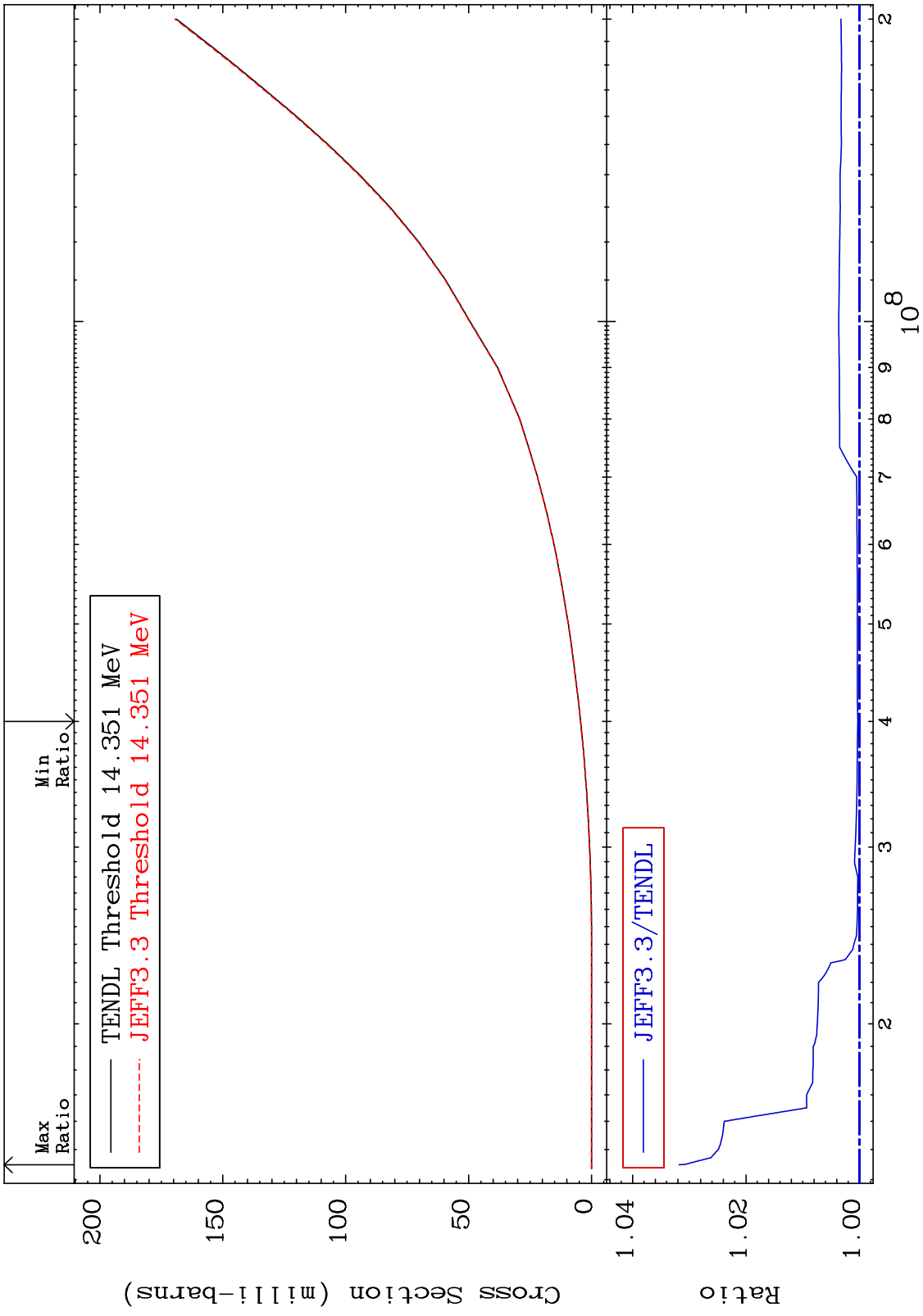


58 22-Ti-50

MAT 2237 Tritium Production Cross Section 22-Ti-50
 -0.348 To 11.91 %



MAT 2237 He-3 Production Cross Section 22-Ti-50 To 3.181 %

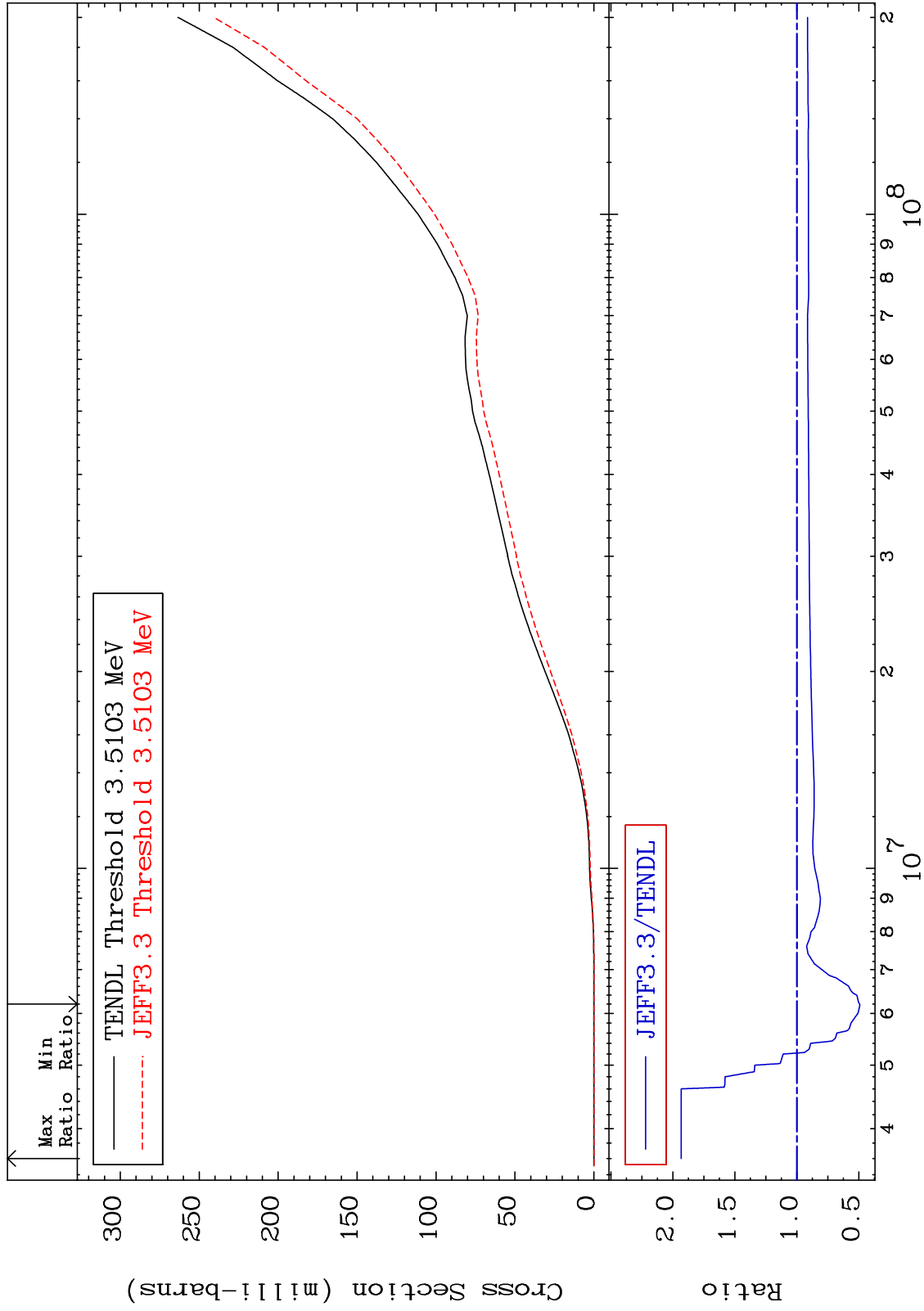


60 22-Ti-50

MAT 2237

He-4 Production
Cross Section

22-Ti-50
-50.77 To 93.29 %



61

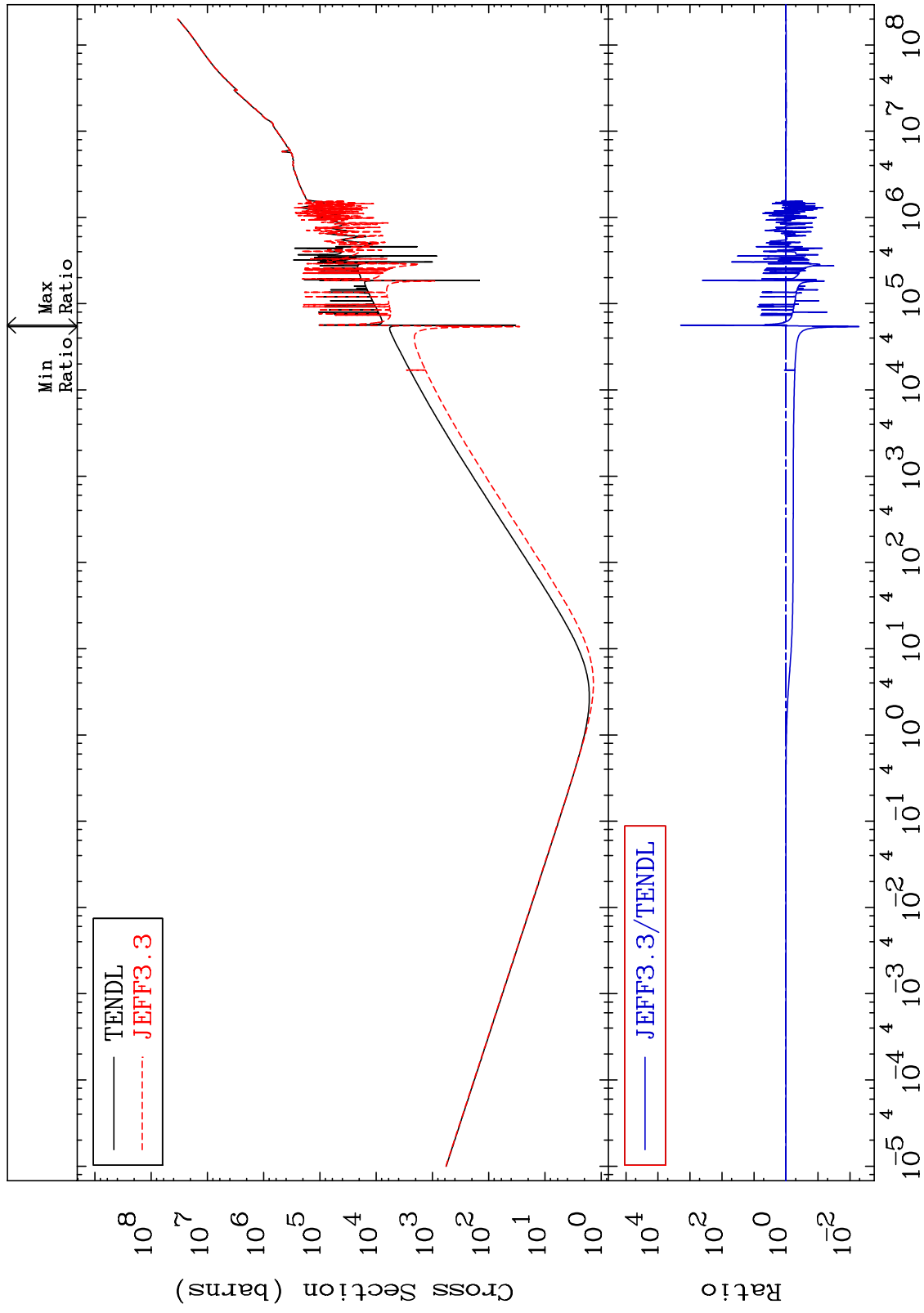
Incident Energy (eV)

22-Ti-50

MAT 2237

Kerma total (eV-barns)
Cross Section

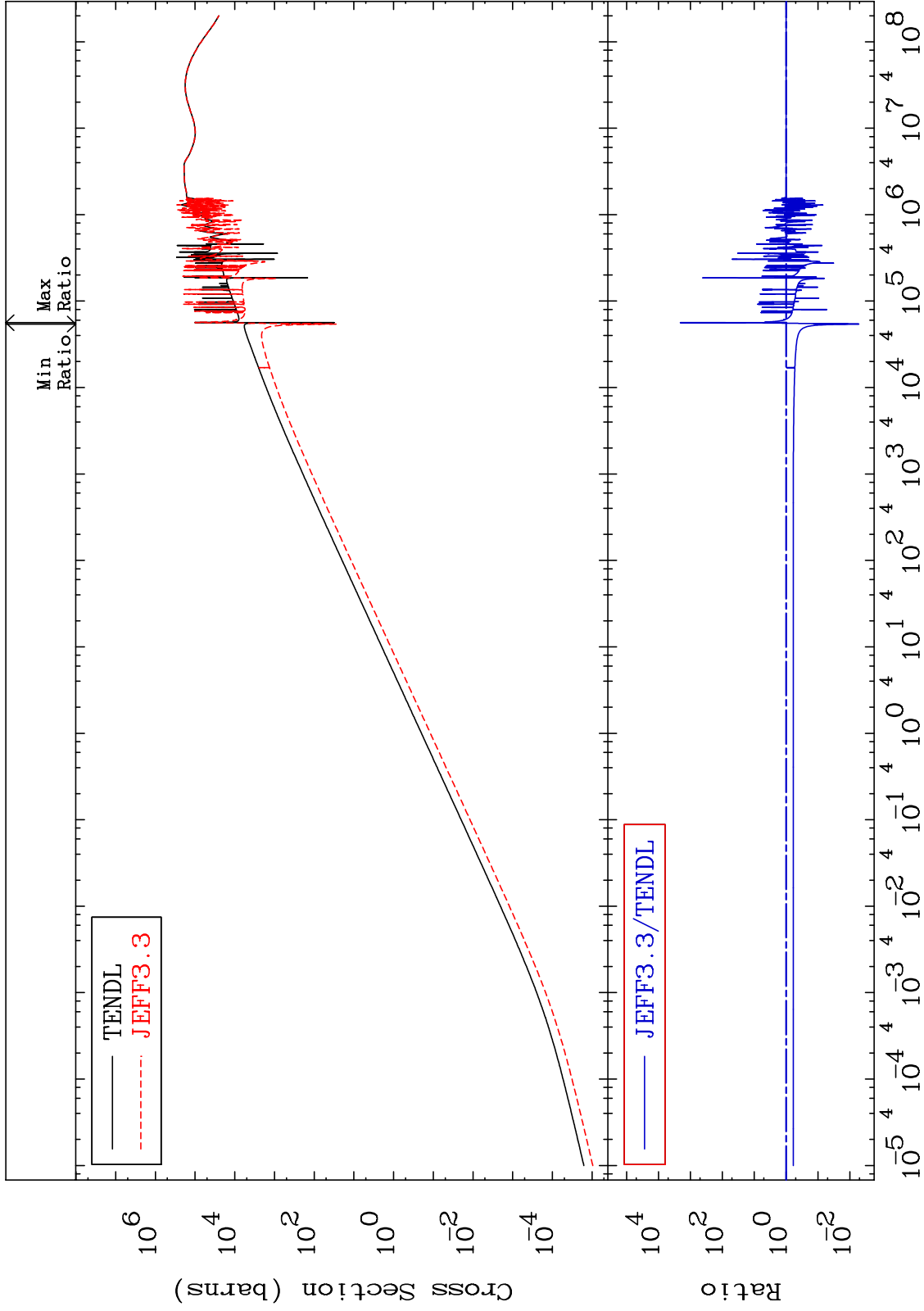
22-Ti-50
-99.48 To 9999. %



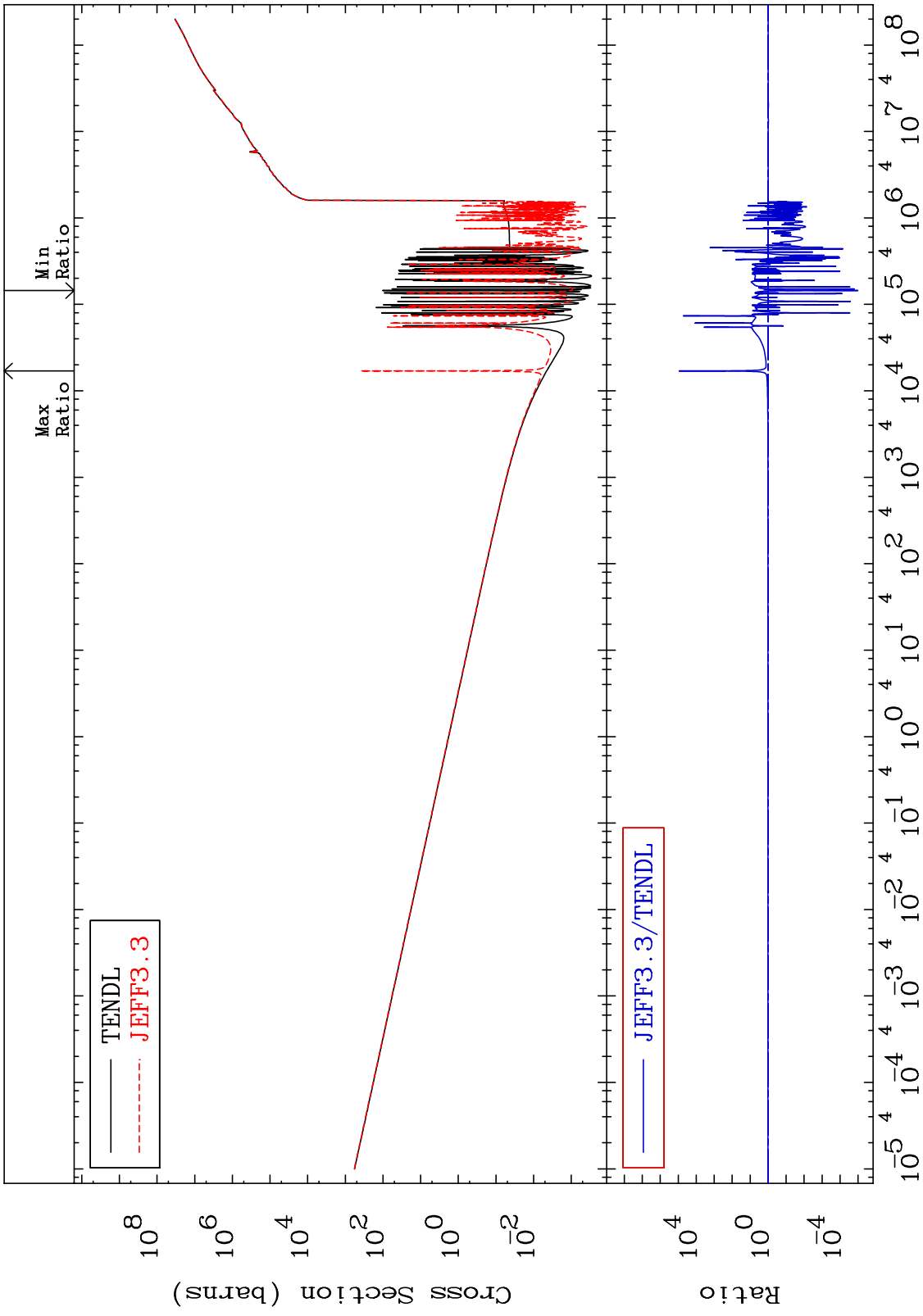
MAT 2237

Kerma elastic
Cross Section

22-Ti-50
-99.48 To 9999. %



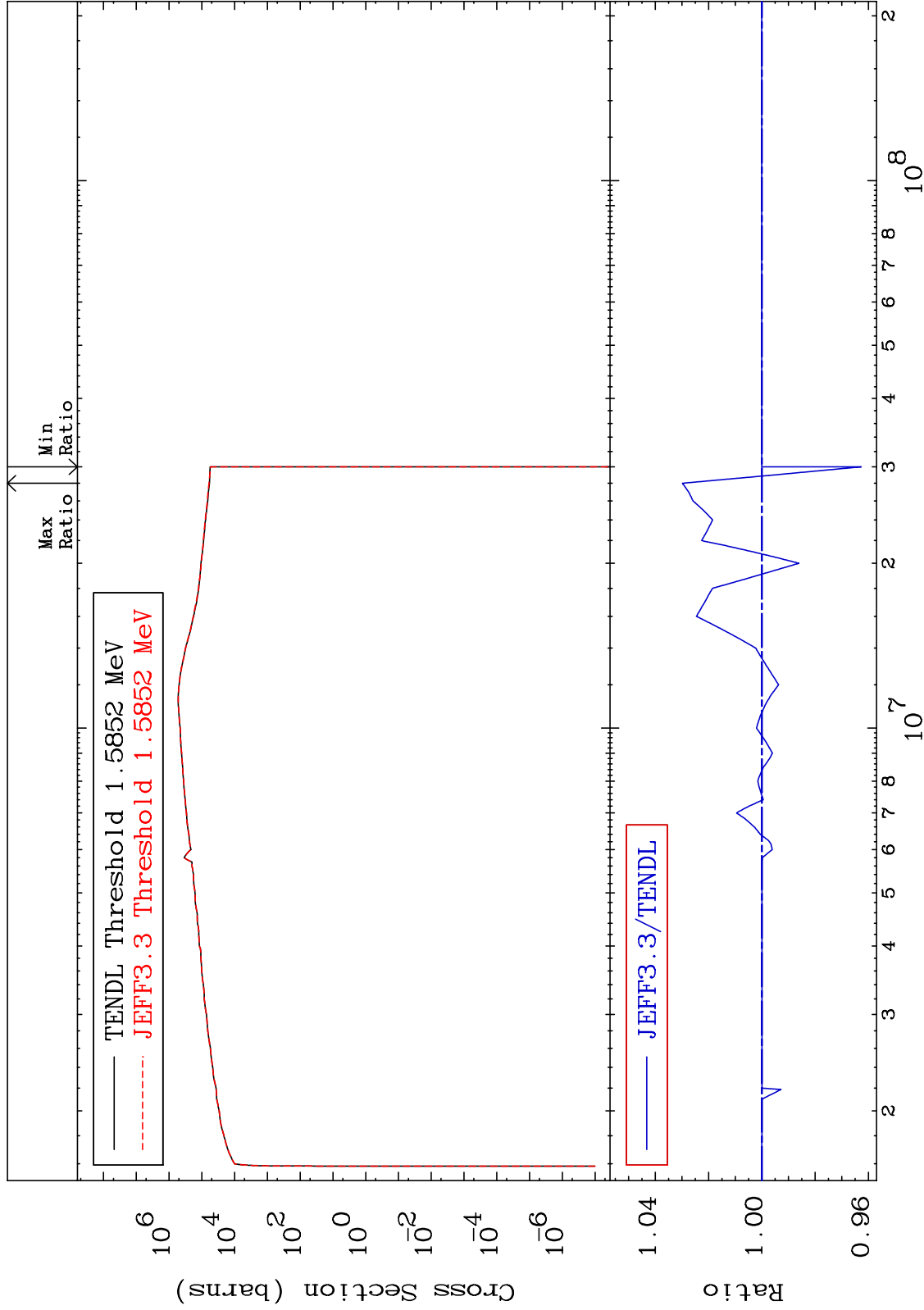
MAT 2237 Kerma non-elastic (all but mt2) 22-Ti-50
 Cross Section -100.0 To 9999. %



MAT 2237

Kerma inelastic (mt51-91)
Cross Section

22-Ti-50
-3.733 To 2.981 %



65

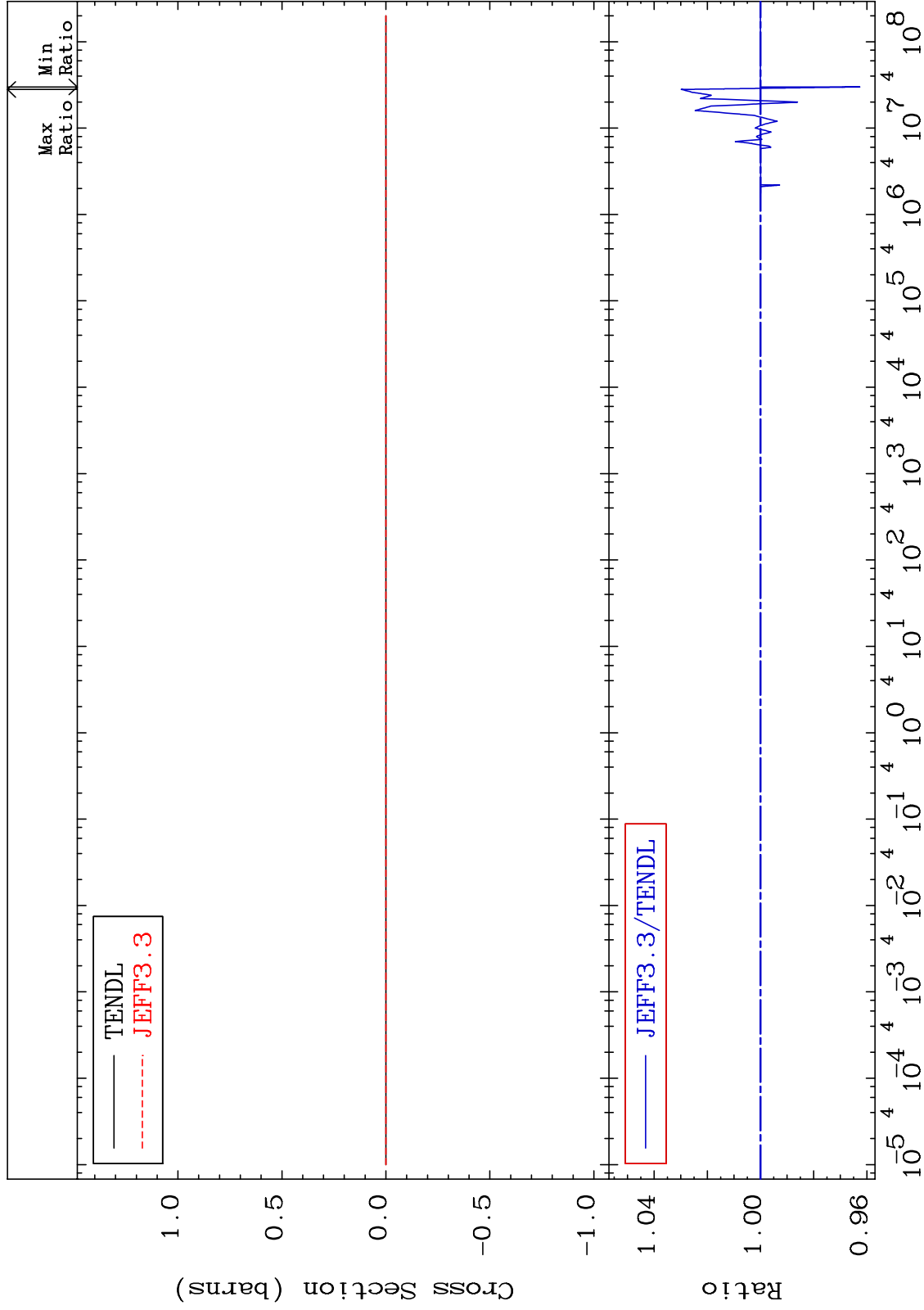
Incident Energy (eV)

22-Ti-50

MAT 2237

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

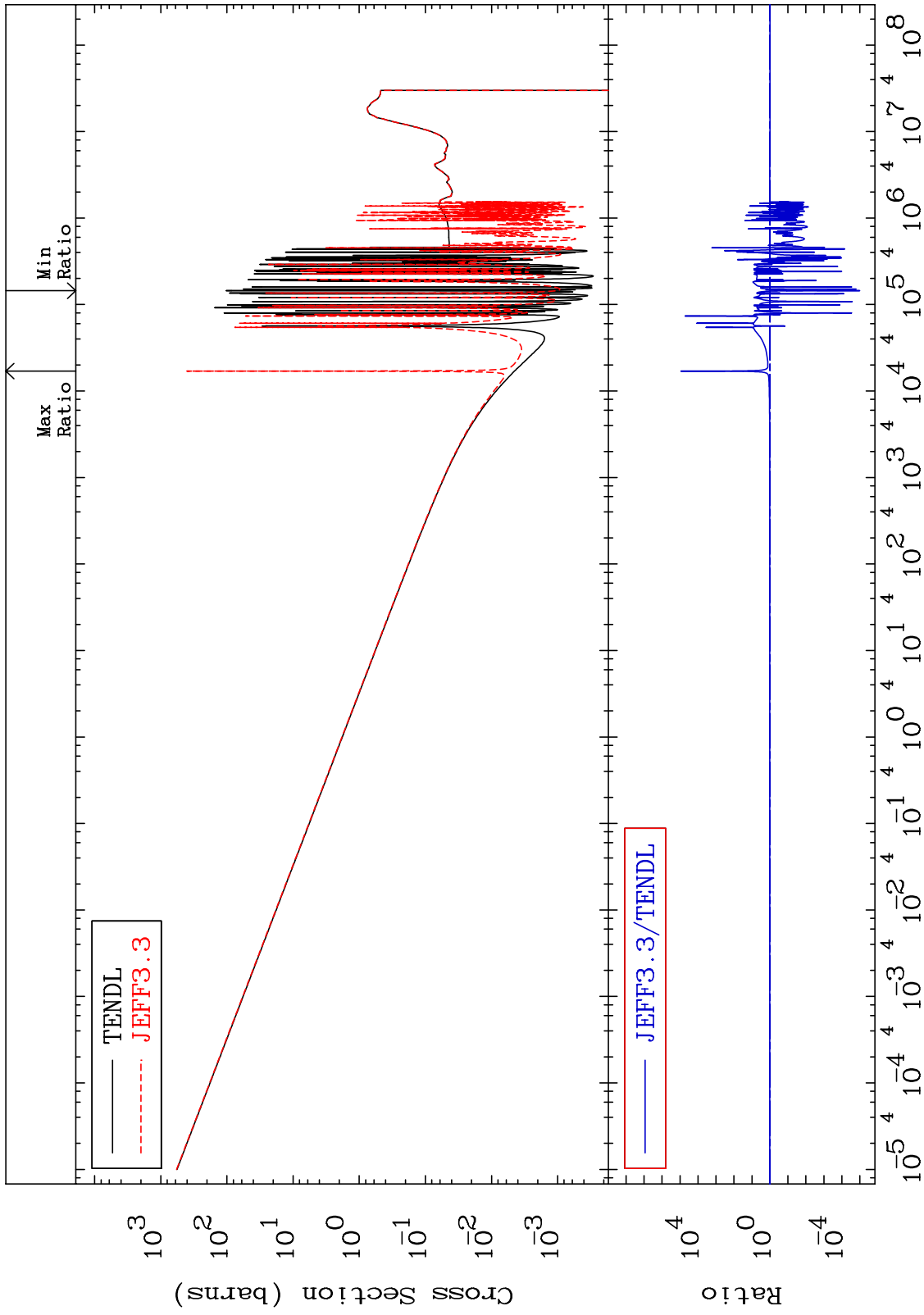
22-Ti-50
-3.733 To 2.981 %



MAT 2237

Kerma capture (mt102)
Cross Section

22-Ti-50
-100.0 To 9999. %



67

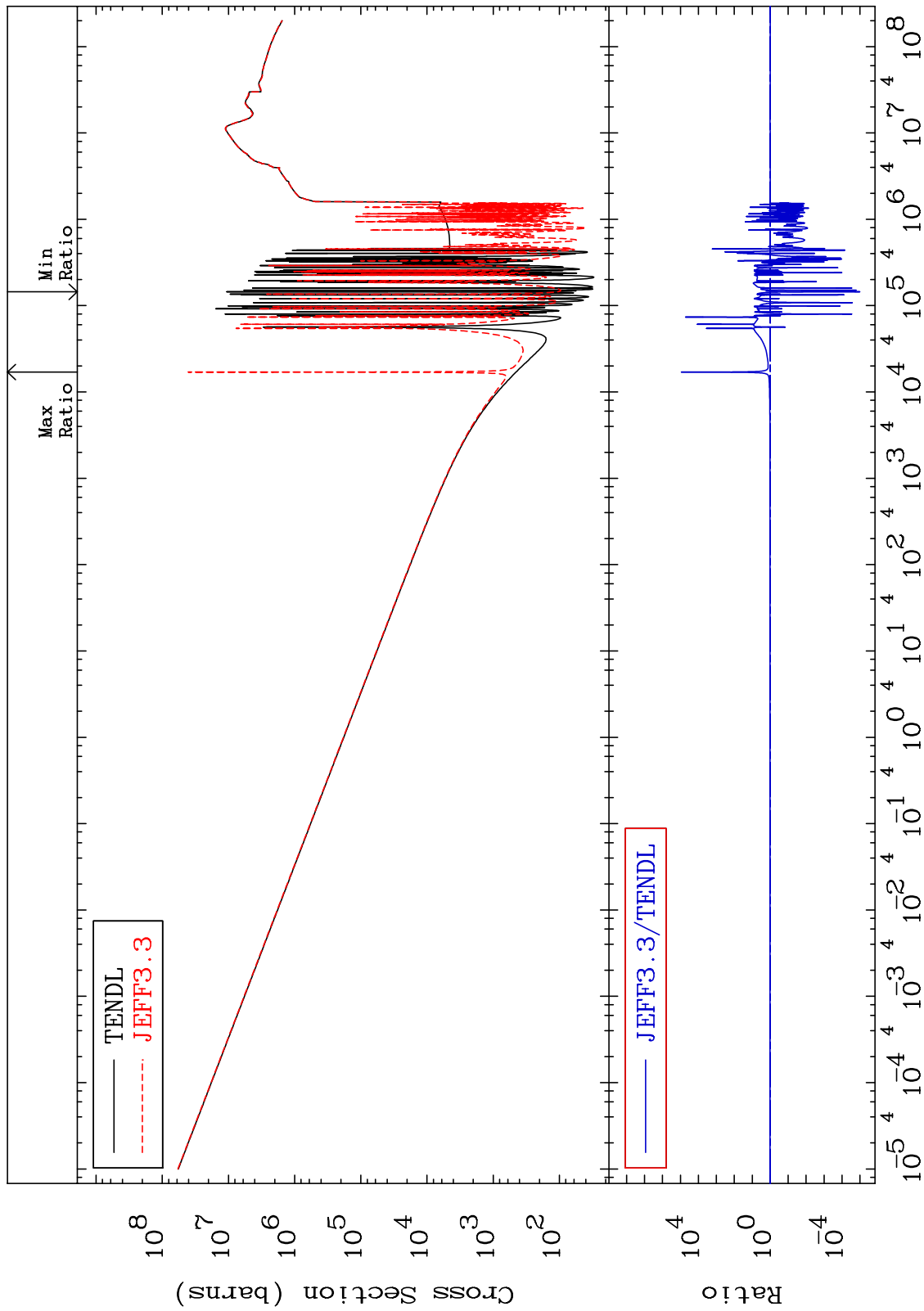
Incident Energy (eV)

22-Ti-50

MAT 2237

Total photon (eV-barns)
Cross Section

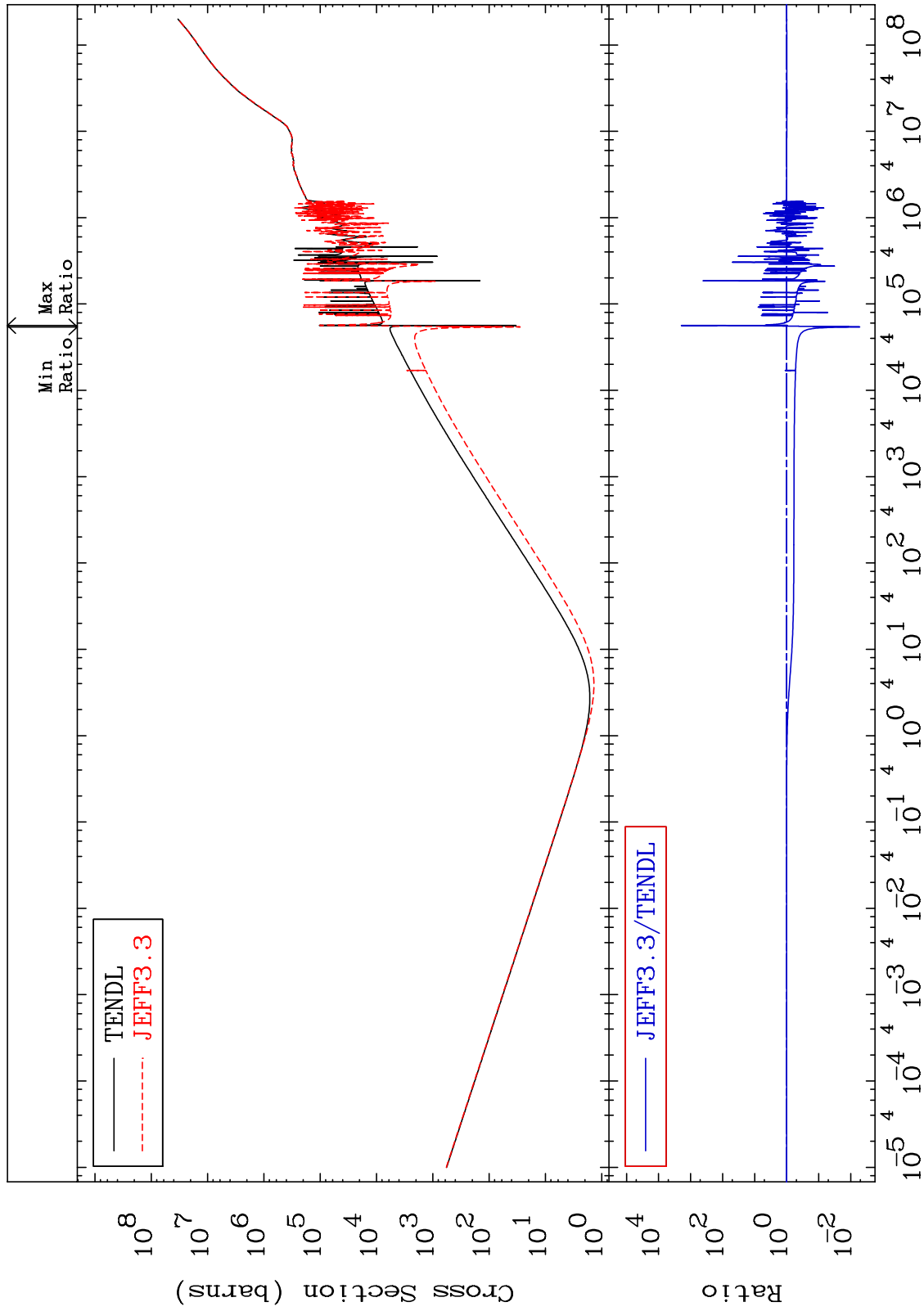
22-Ti-50
-100.0 To 9999. %



MAT 2237

Total kinematic kerma (high limit)
Cross Section

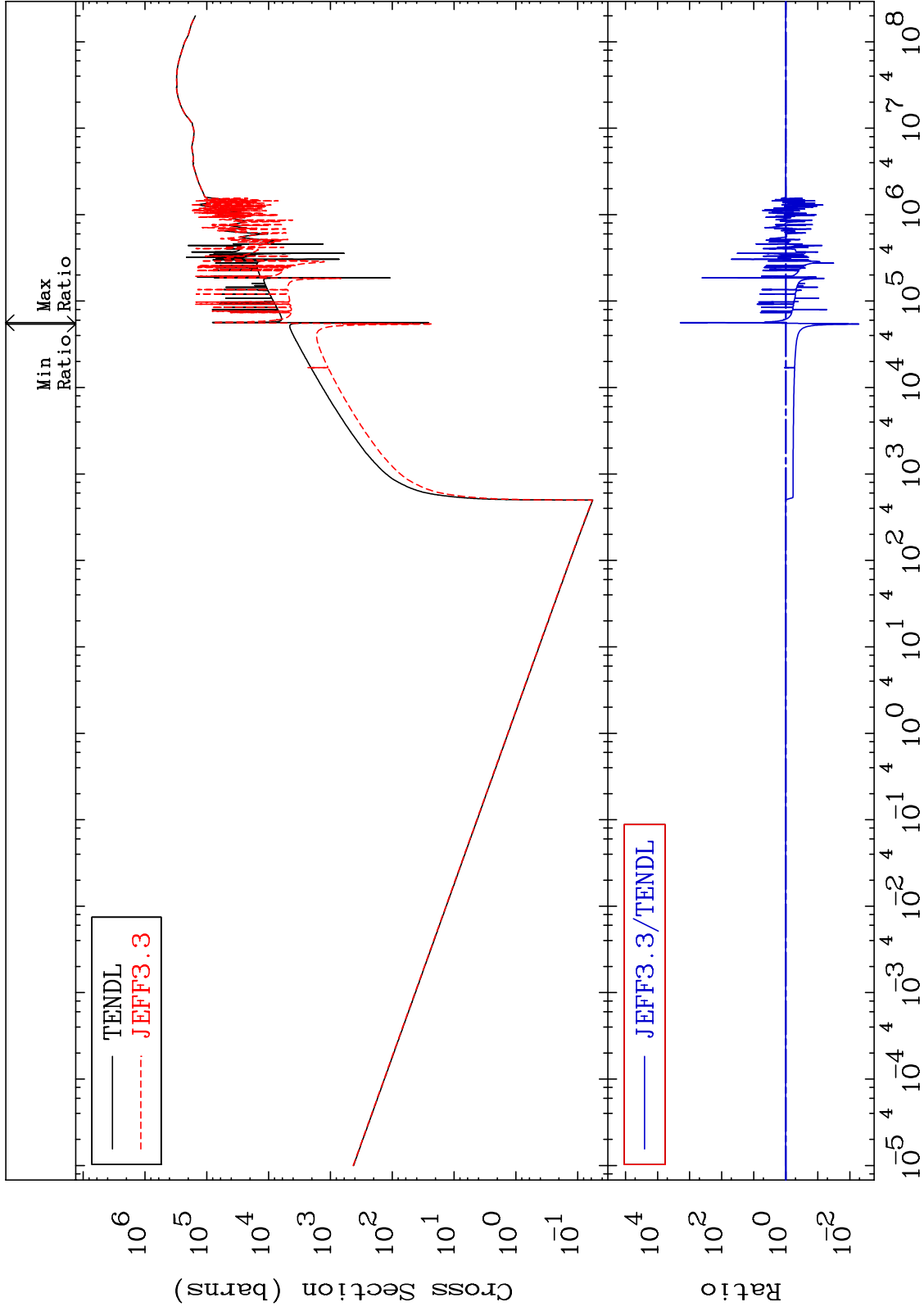
22-Ti-50
-99.48 To 9999. %



MAT 2237

Dpa total (eV-barns)
Cross Section

22-Ti-50
-99.48 To 9999. %



70

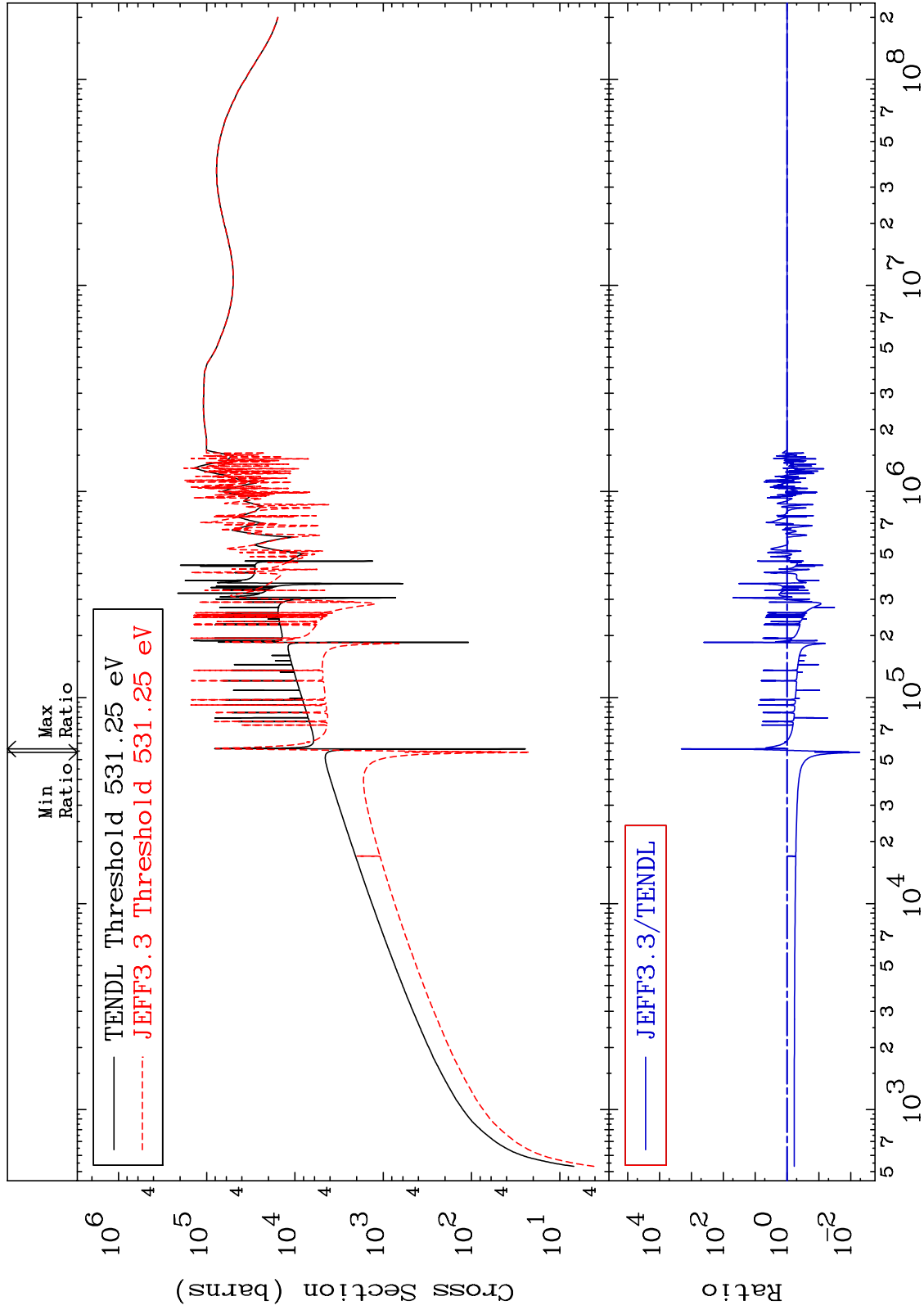
Incident Energy (eV)

22-Ti-50

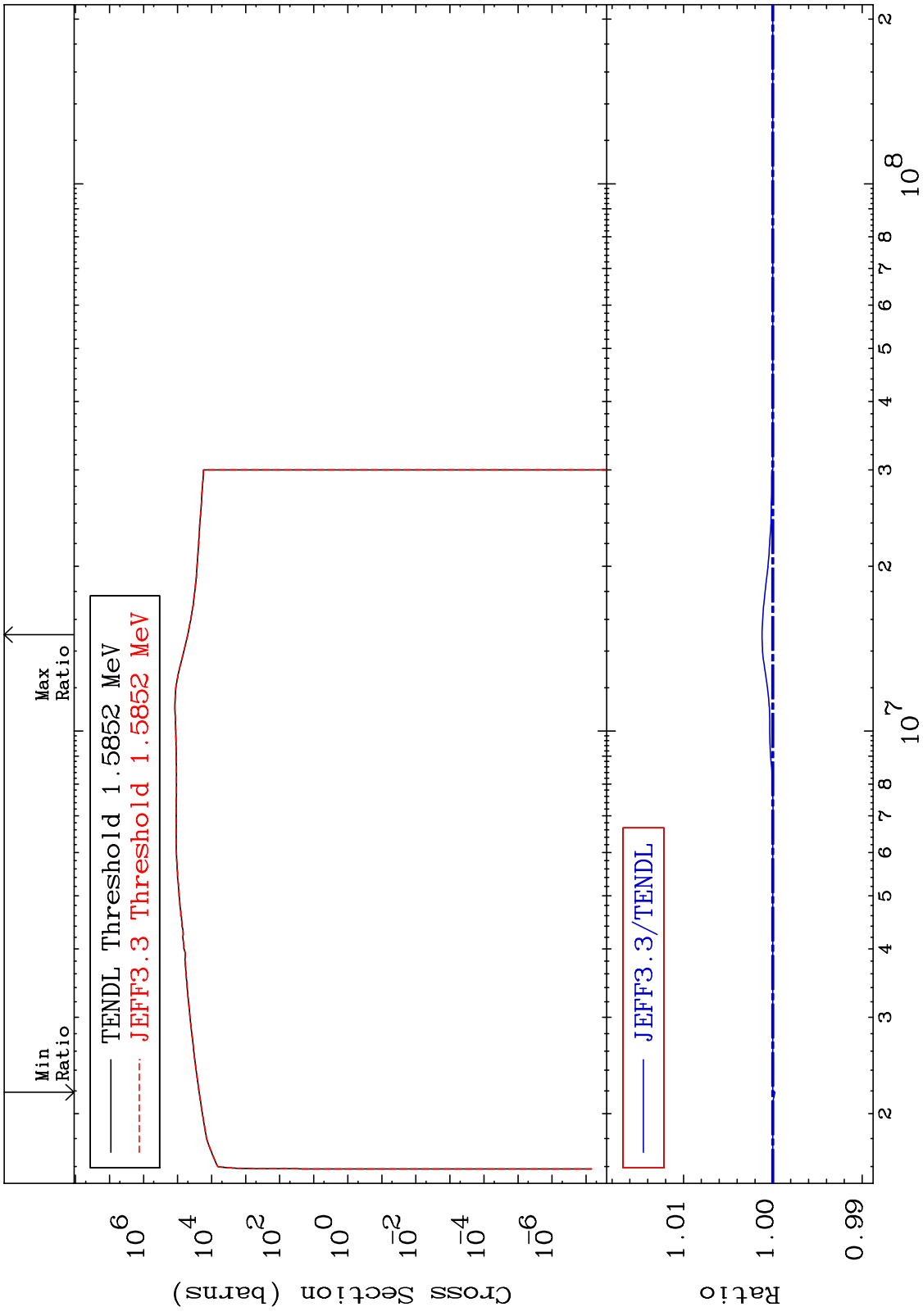
MAT 2237

Dpa elastic (mt2)
Cross Section

22-Ti-50
-99.48 To 9999. %



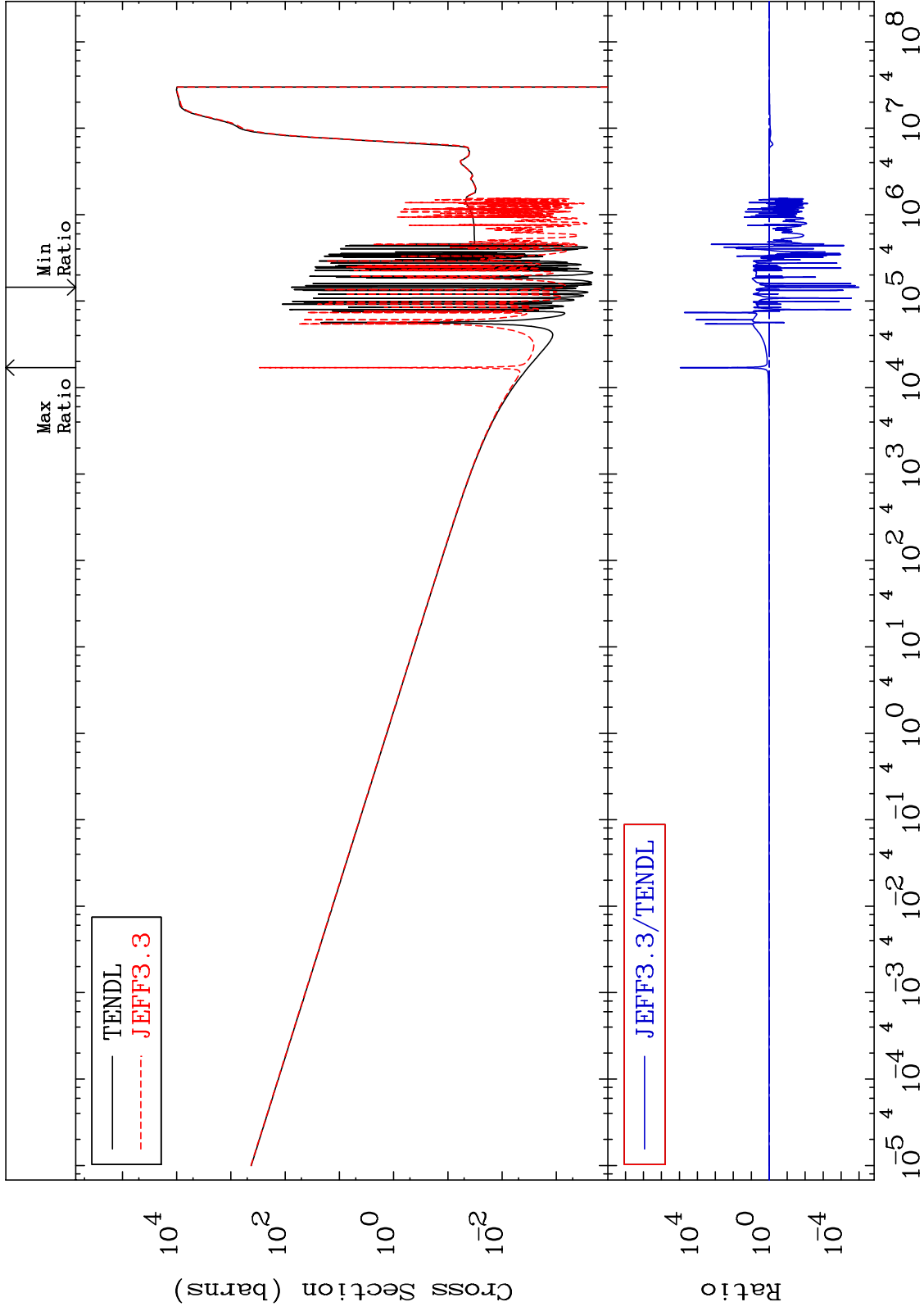
MAT 2237 Dpa inelastic (mt51-91) 22-Ti-50
 Cross Section -0.023 To 0.121 %



MAT 2237

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-50
-100.0 To 9999. %

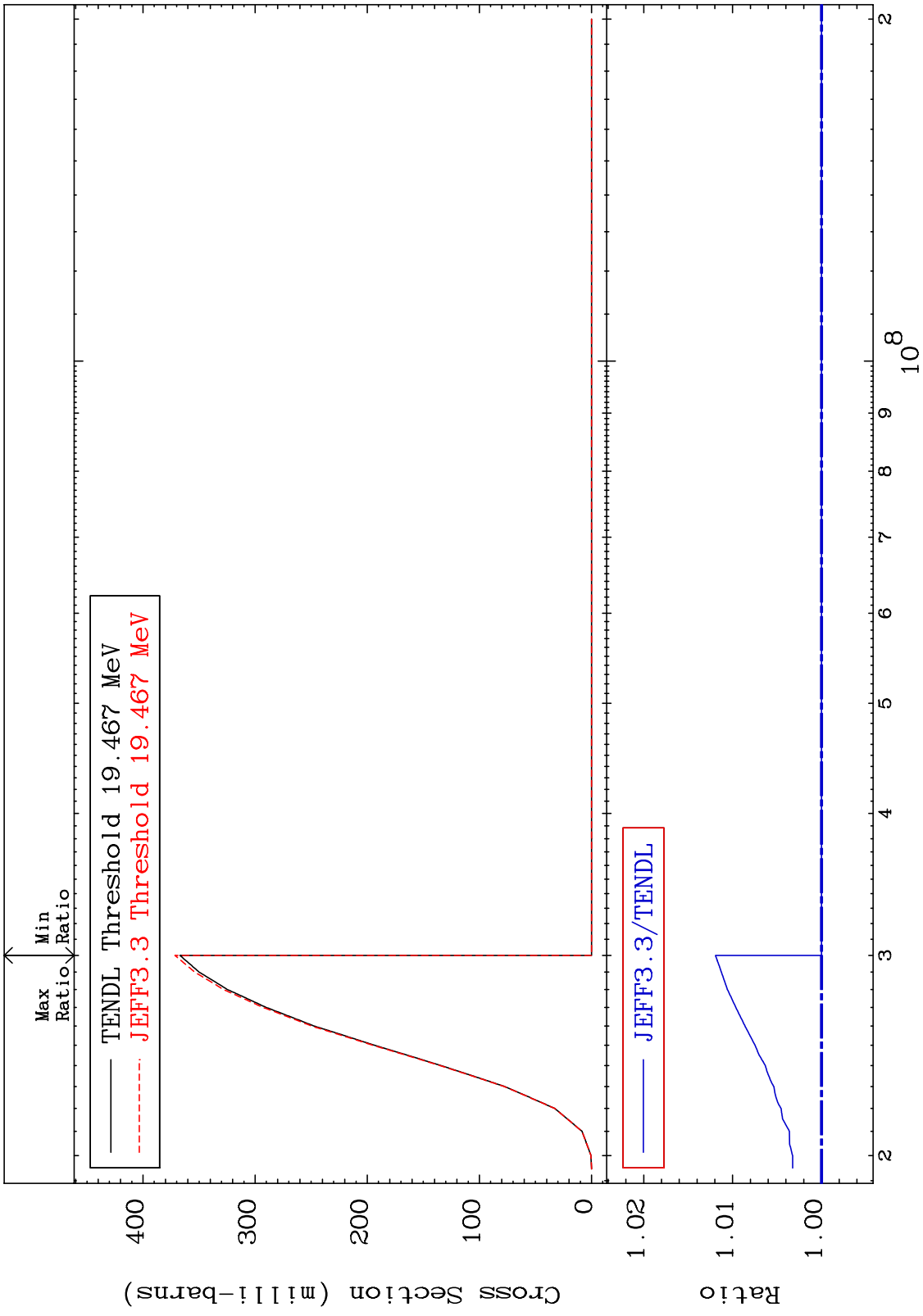


73

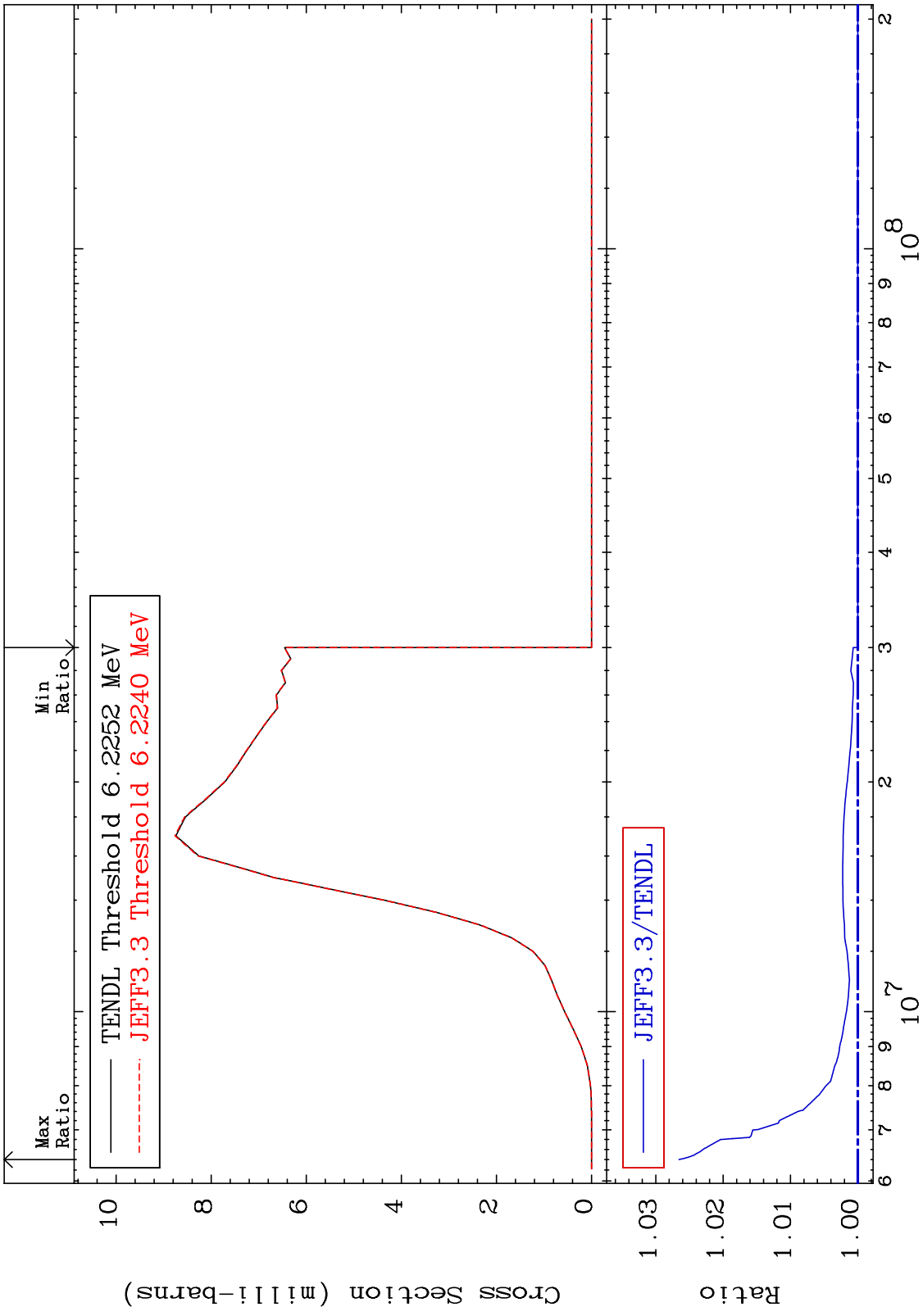
Incident Energy (eV)

22-Ti-50

MAT 2237 (n,3n):22-Ti-48g 22-Ti-50
 Radionuclide Production Cross Section 0.000 To 1.193 %



MAT 2237 (n,p):21-Sc-50g 22-Ti-50
 Radionuclide Production Cross Section 0.000 To 2.655 %



MAT 2237 (n,p):21-Sc-50m1 22-Ti-50
 Radionuclide Production Cross Section 0.000 To 16.12 %

