

Program Complot
(Version 2018-1)

by

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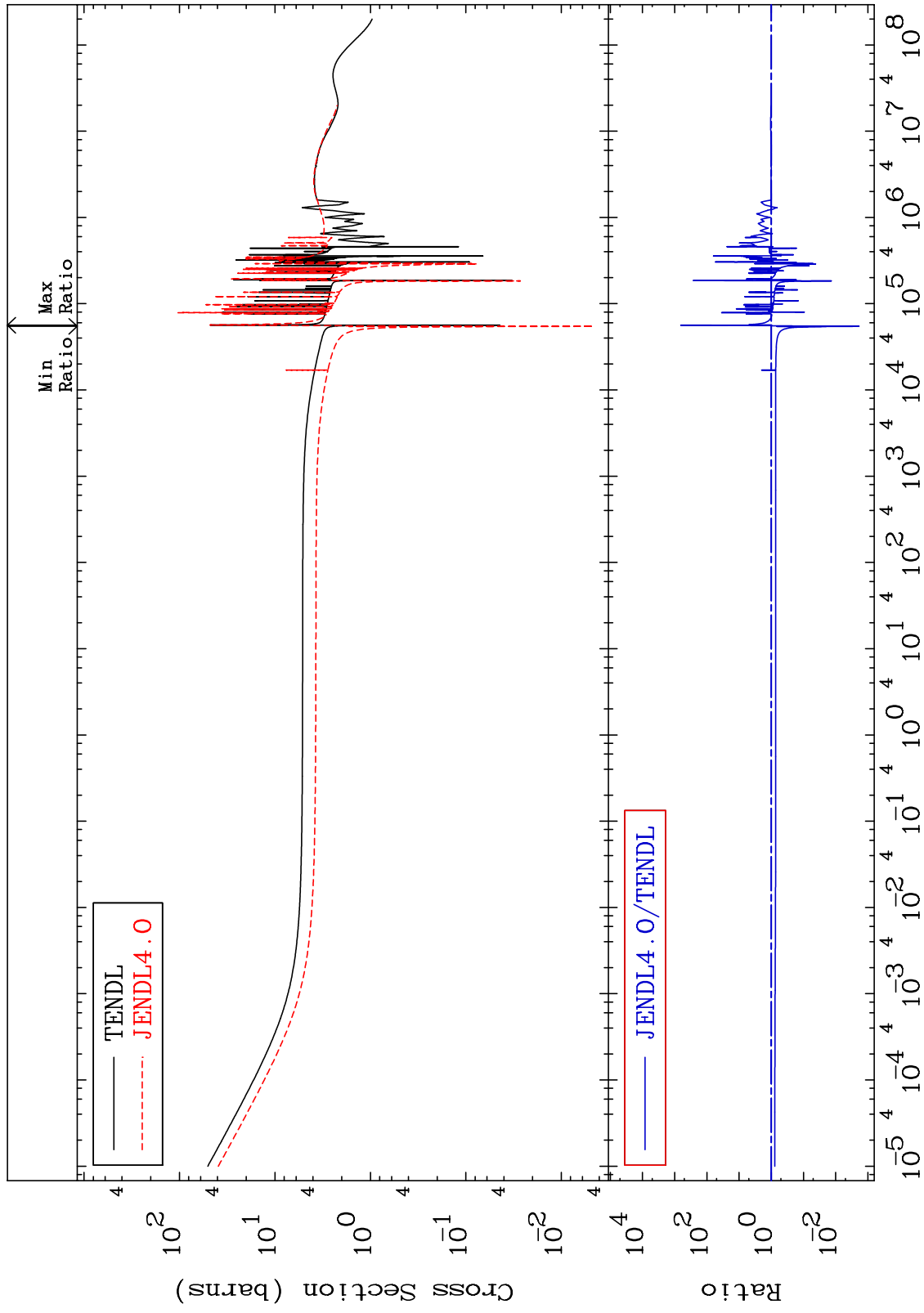
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2237

Total
Cross Section

22-Ti-50
-99.81 To 9999. %



Incident Energy (eV)

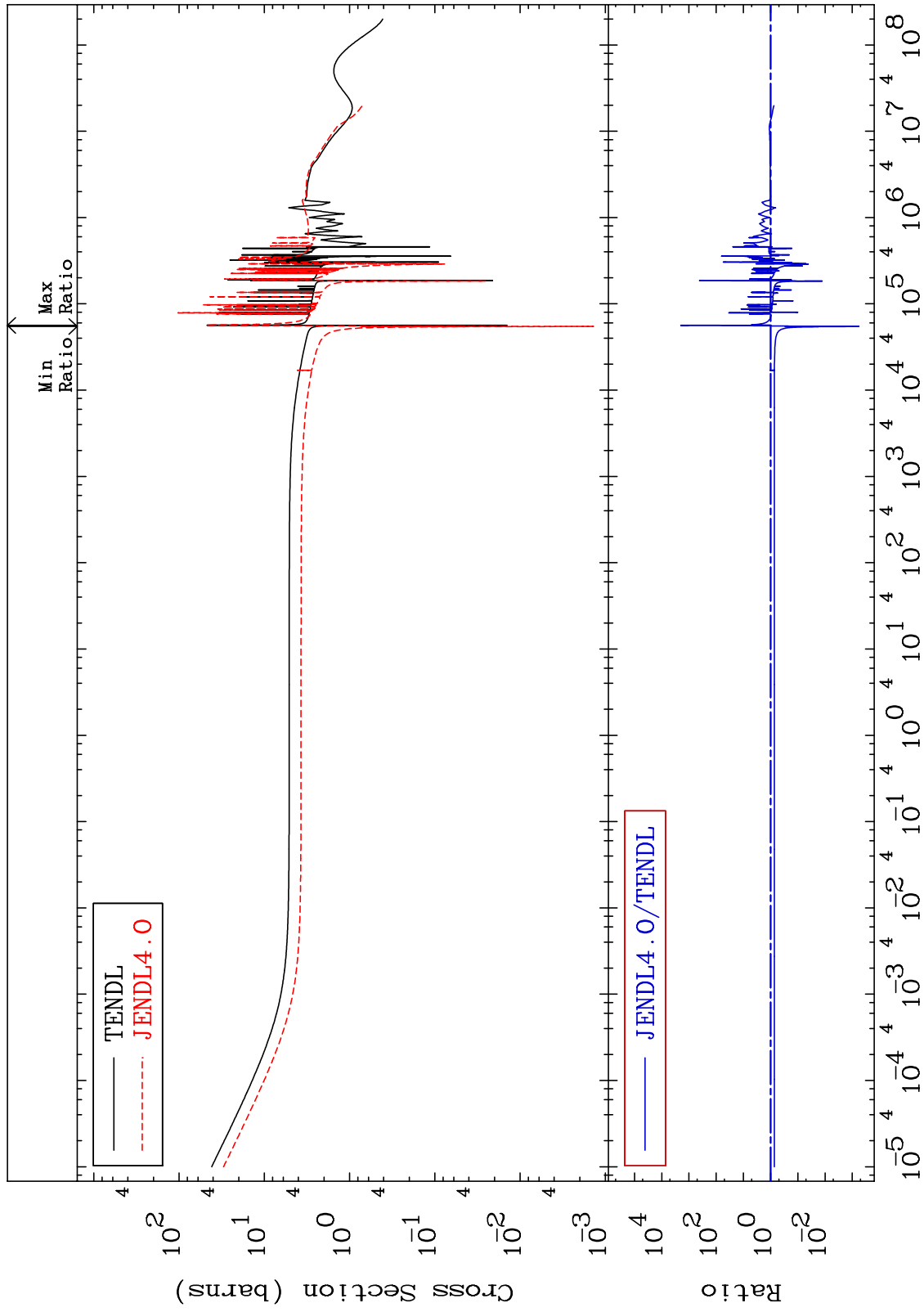
22-Ti-50

1

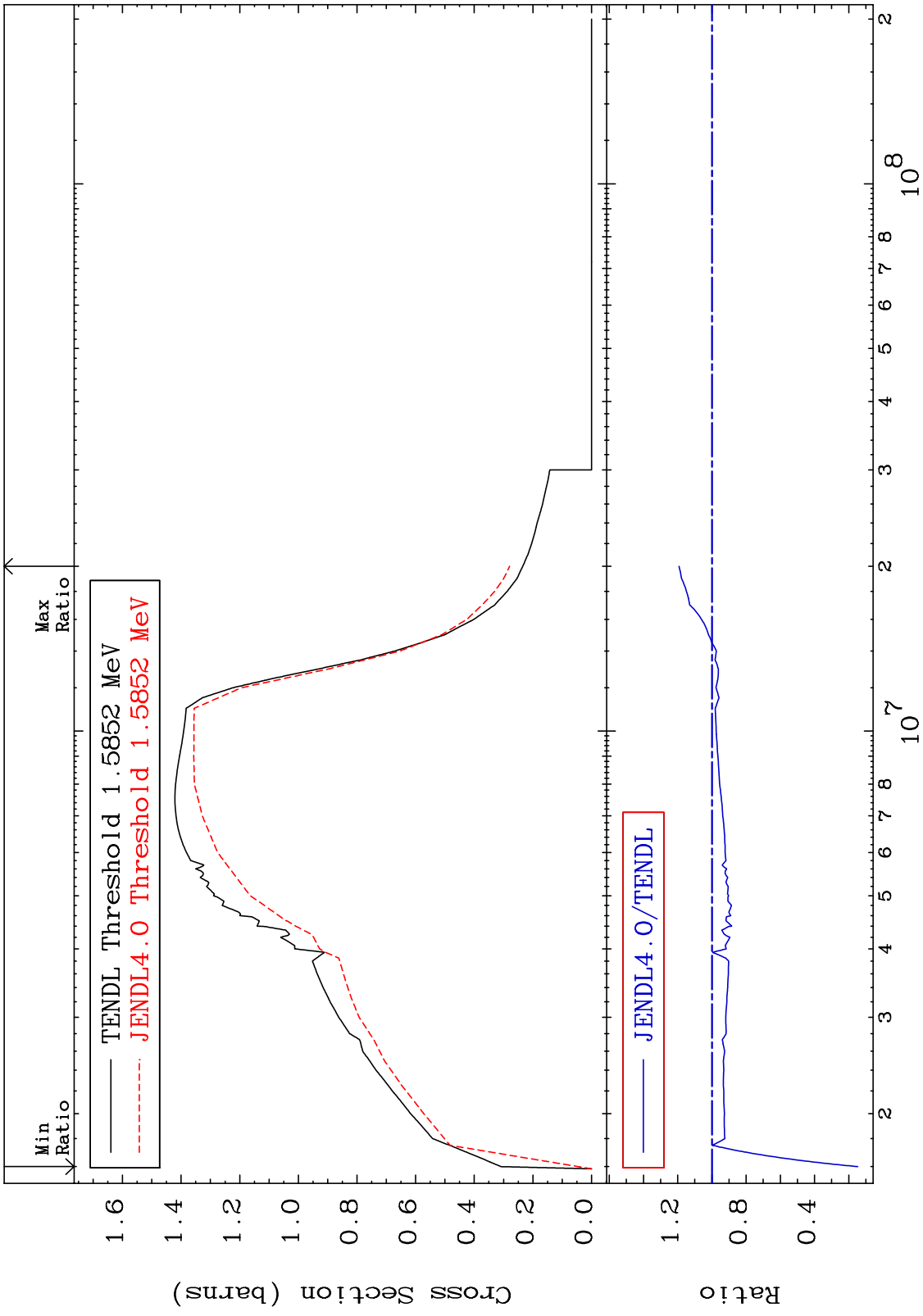
MAT 2237

Elastic
Cross Section

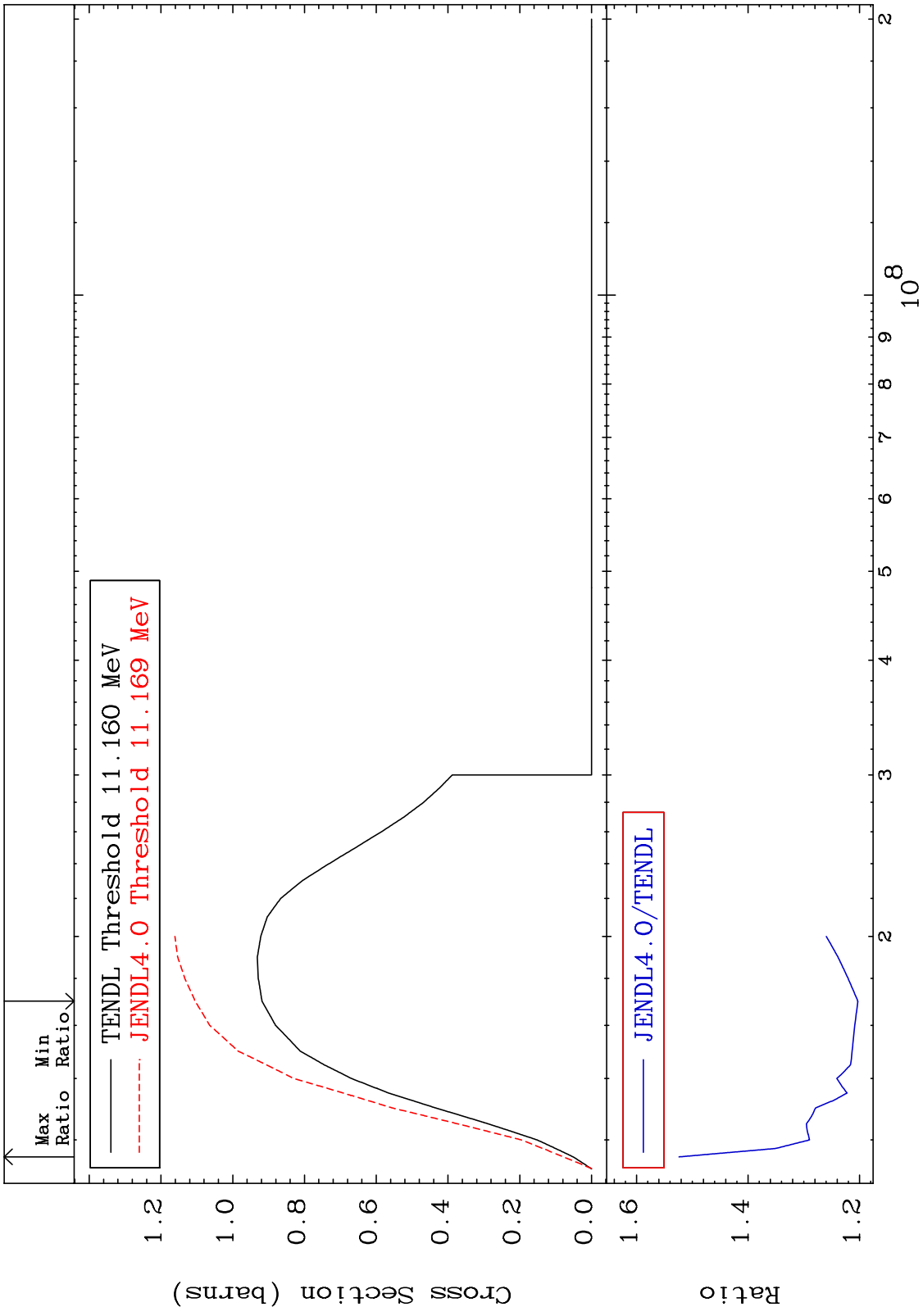
22-Ti-50
-99.94 To 9999. %



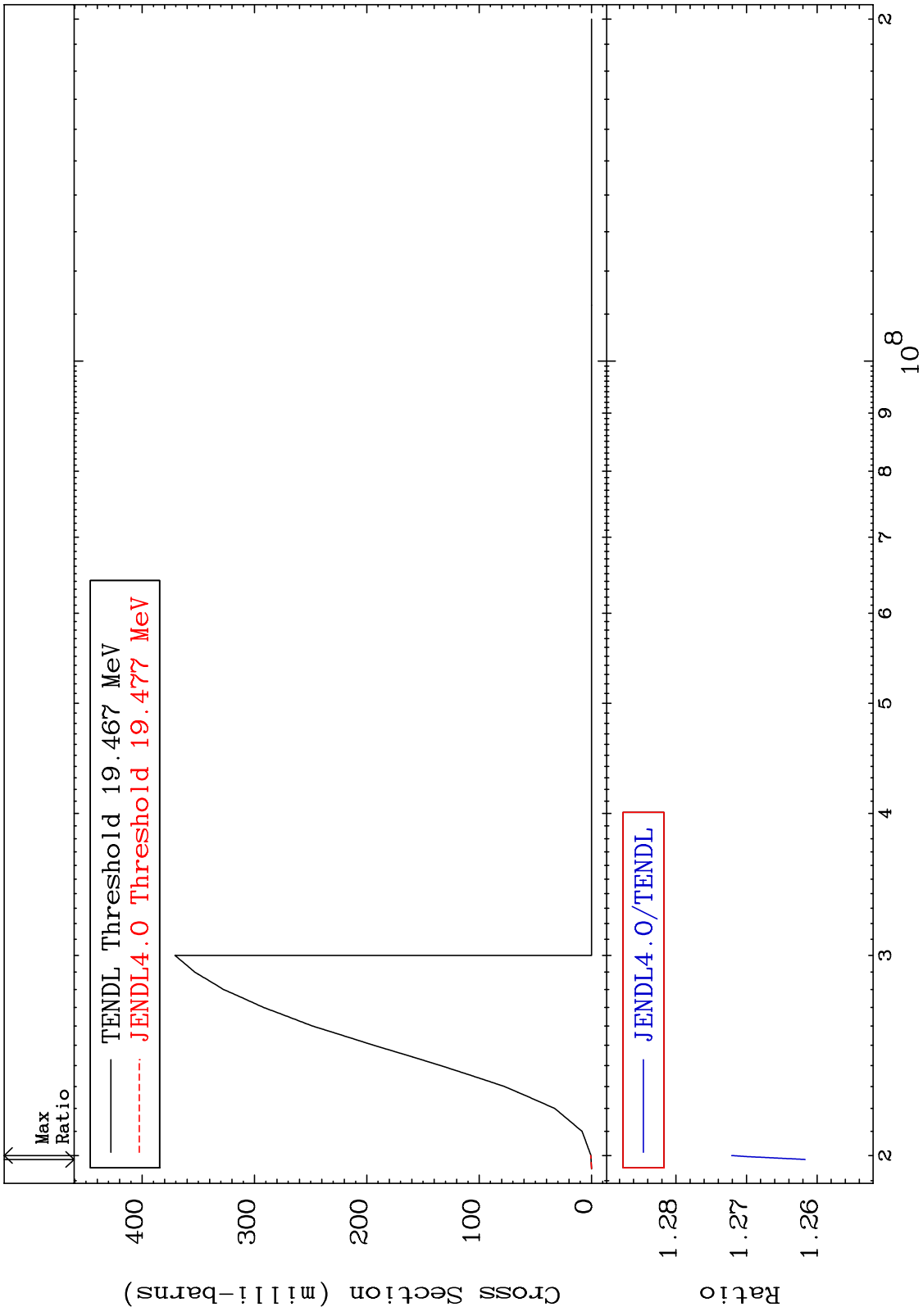
MAT 2237 22-Ti-50
 Inelastic Cross Section -85.32 To 19.22 %

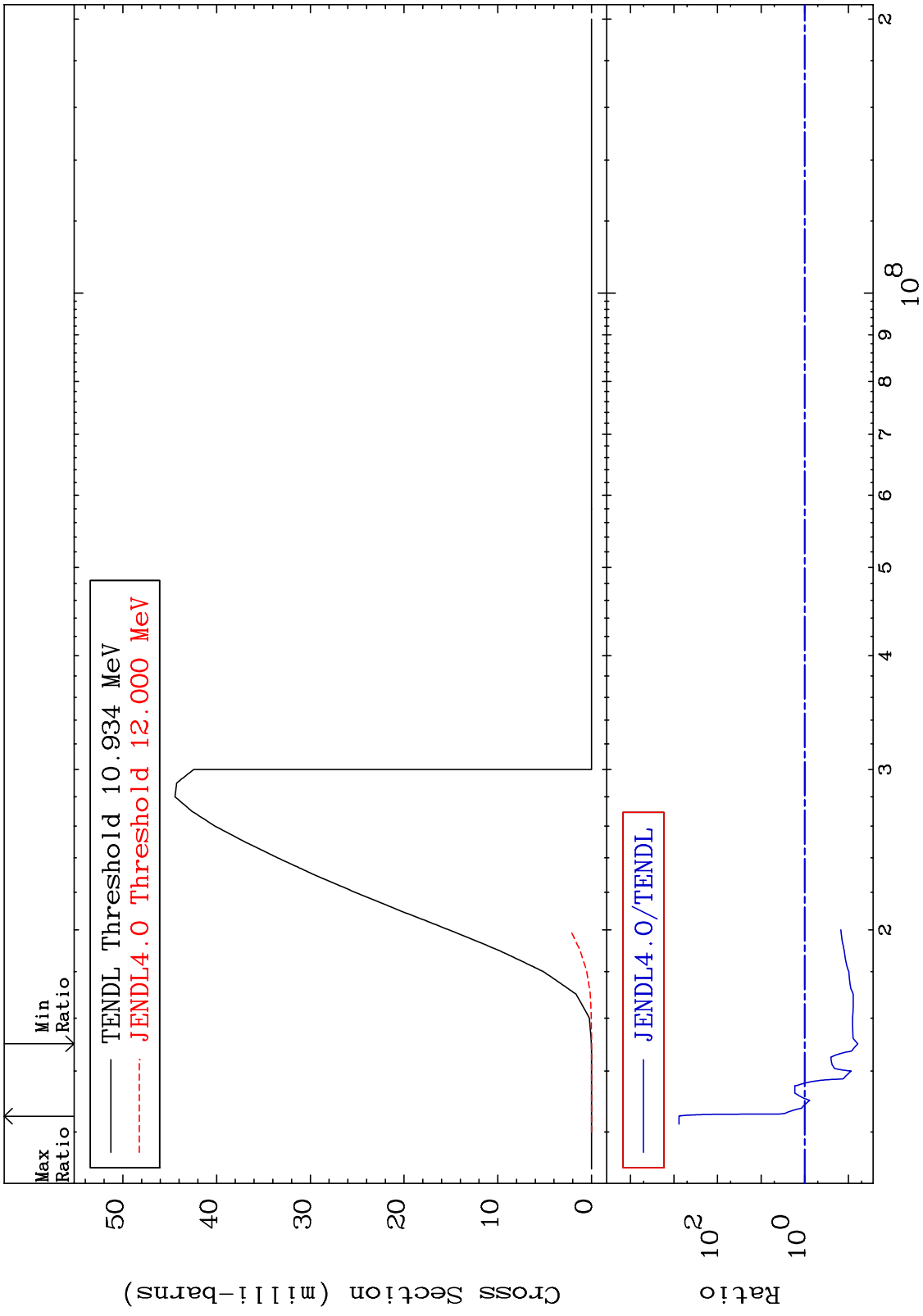


MAT 2237 (n,2n) Cross Section 22-Ti-50 To 52.37 %

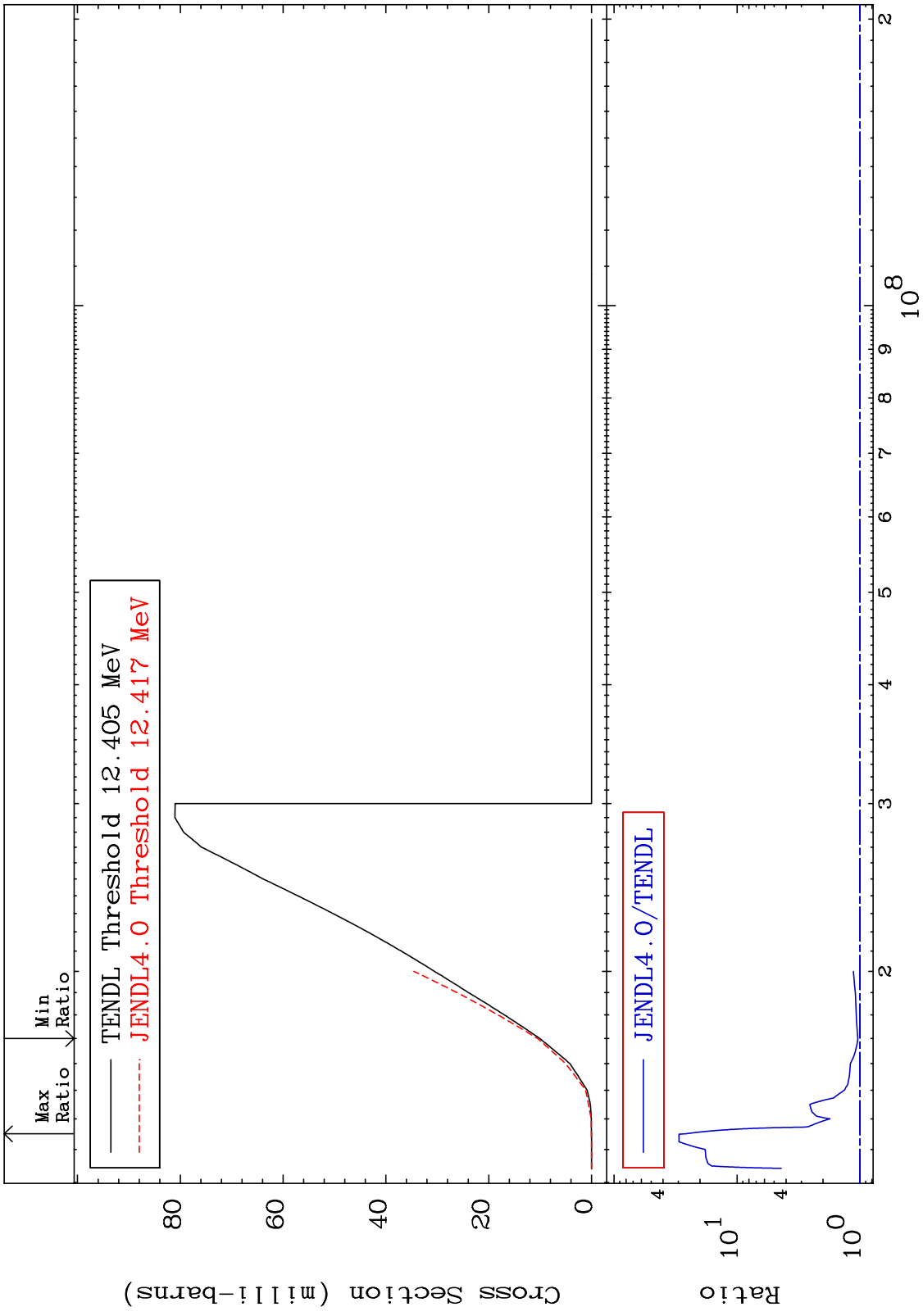


MAT 2237 (n,3n) Cross Section 22-Ti-50 26.17 To 27.21 %

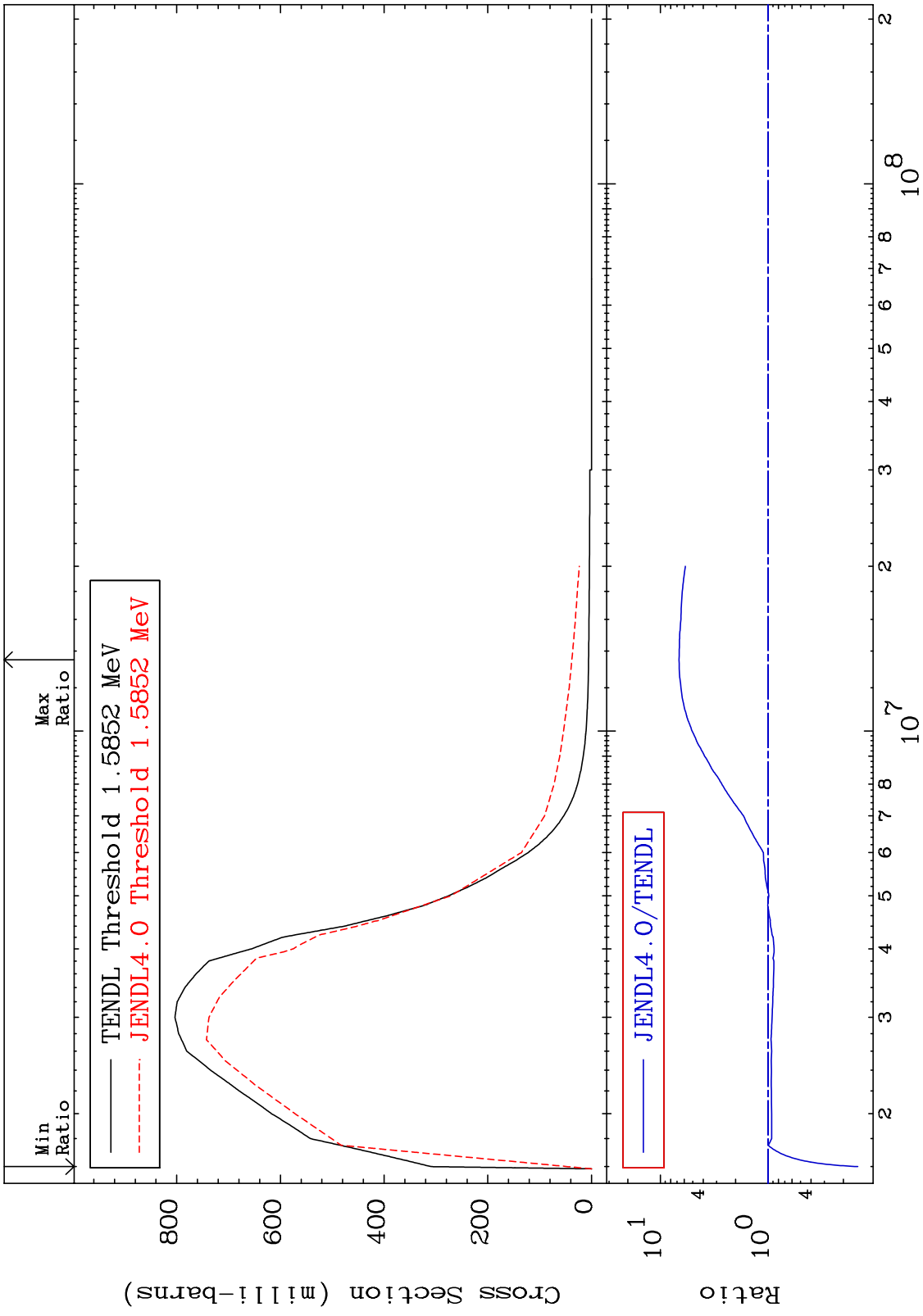




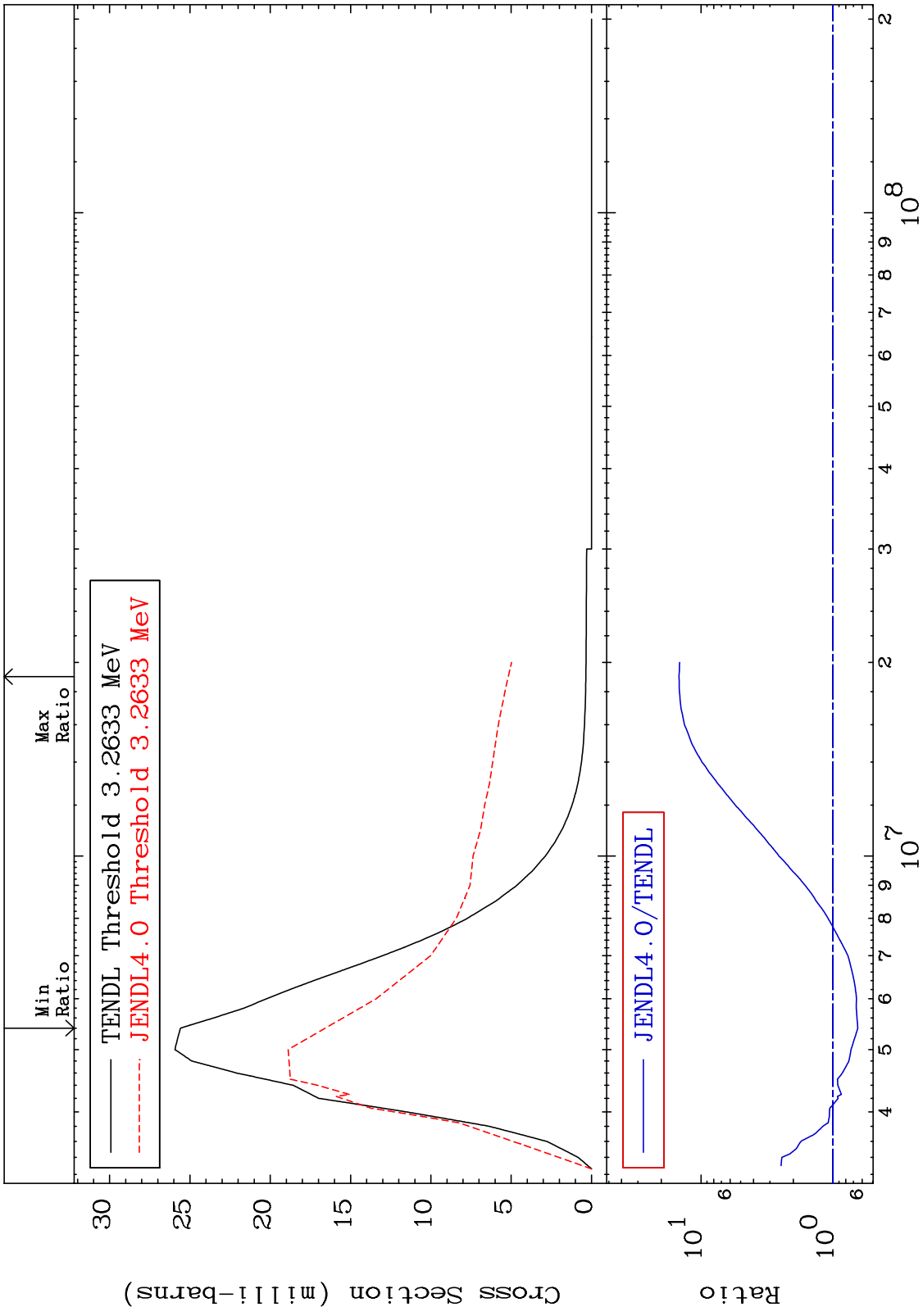
MAT 2237 (n,n') p 22-Ti-50
 Cross Section 4.282 To 2864. %



MAT 2237 MT= 51 (n,n') Level Cross Section 22-Ti-50
 -85.32 To 570.3 %

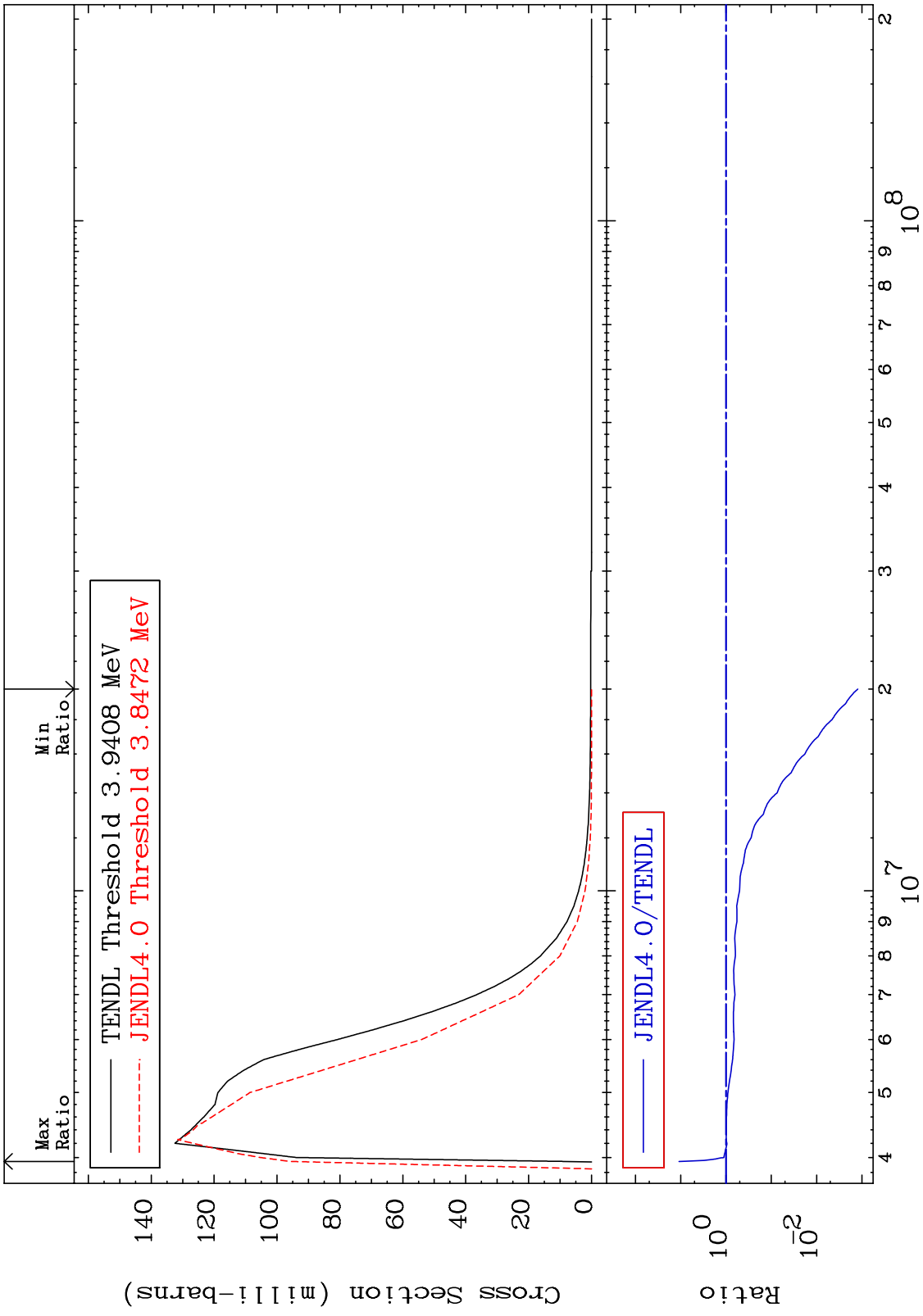


MAT 2237 MT= 53 (n,n') Level Cross Section -35.23 To 1366. % 22-Ti-50

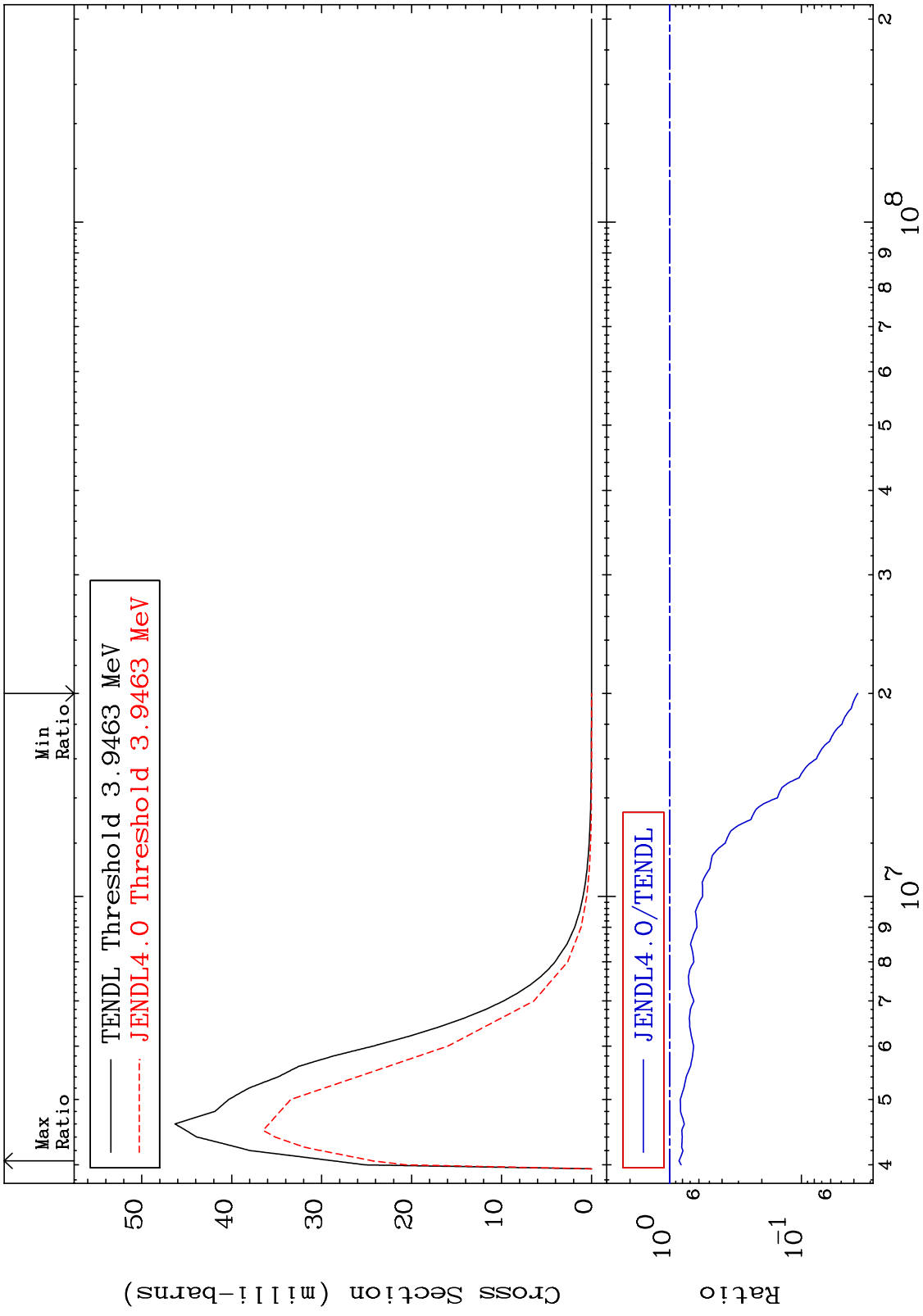


10 Incident Energy (eV) 22-Ti-50

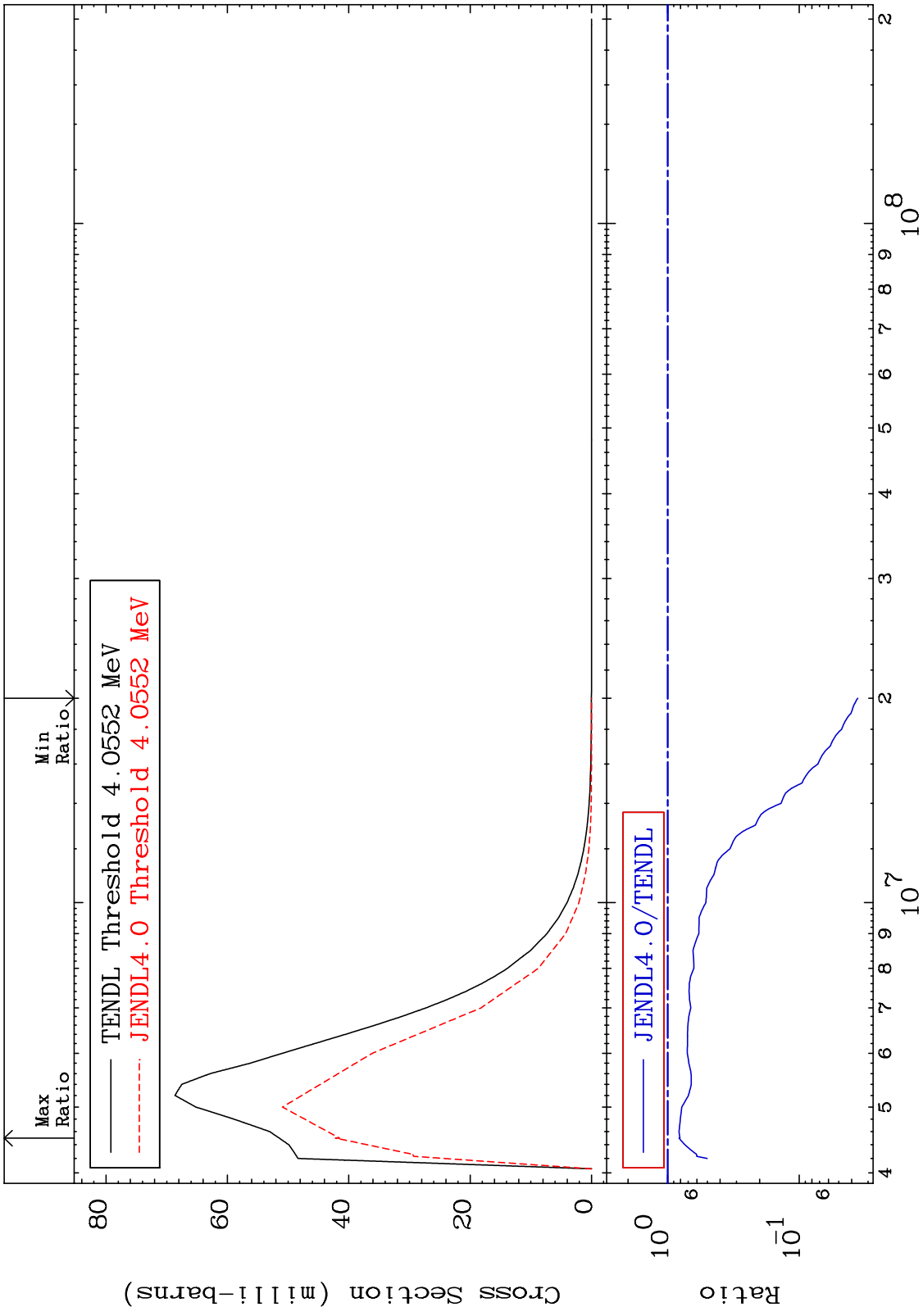
MAT 2237 MT= 54 (n,n') Level Cross Section 22-Ti-50
 -99.88 To 994.9 %



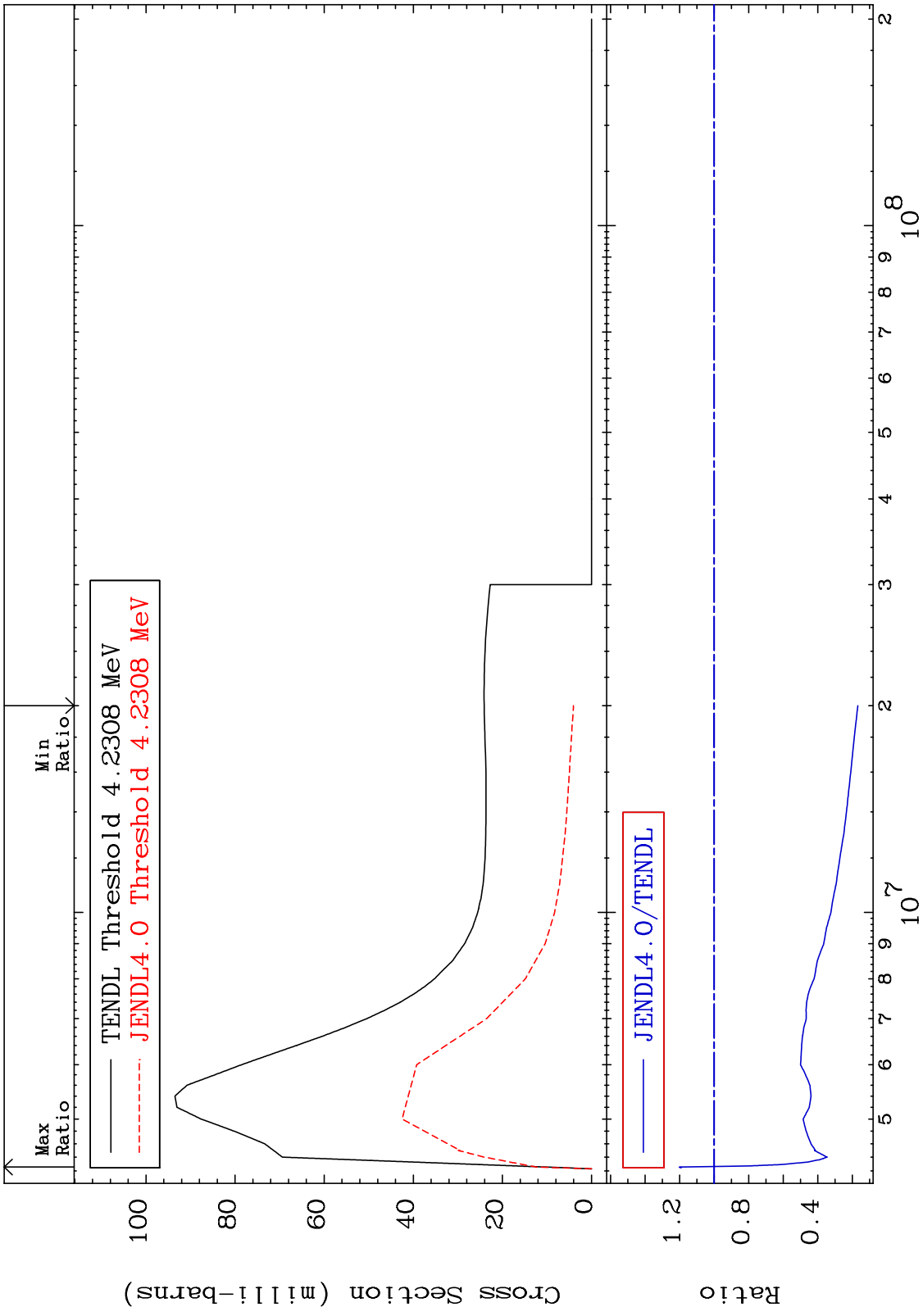
MAT 2237 MT= 55 (n,n') Level Cross Section 22-Ti-50
 -96.27 To -15.17%



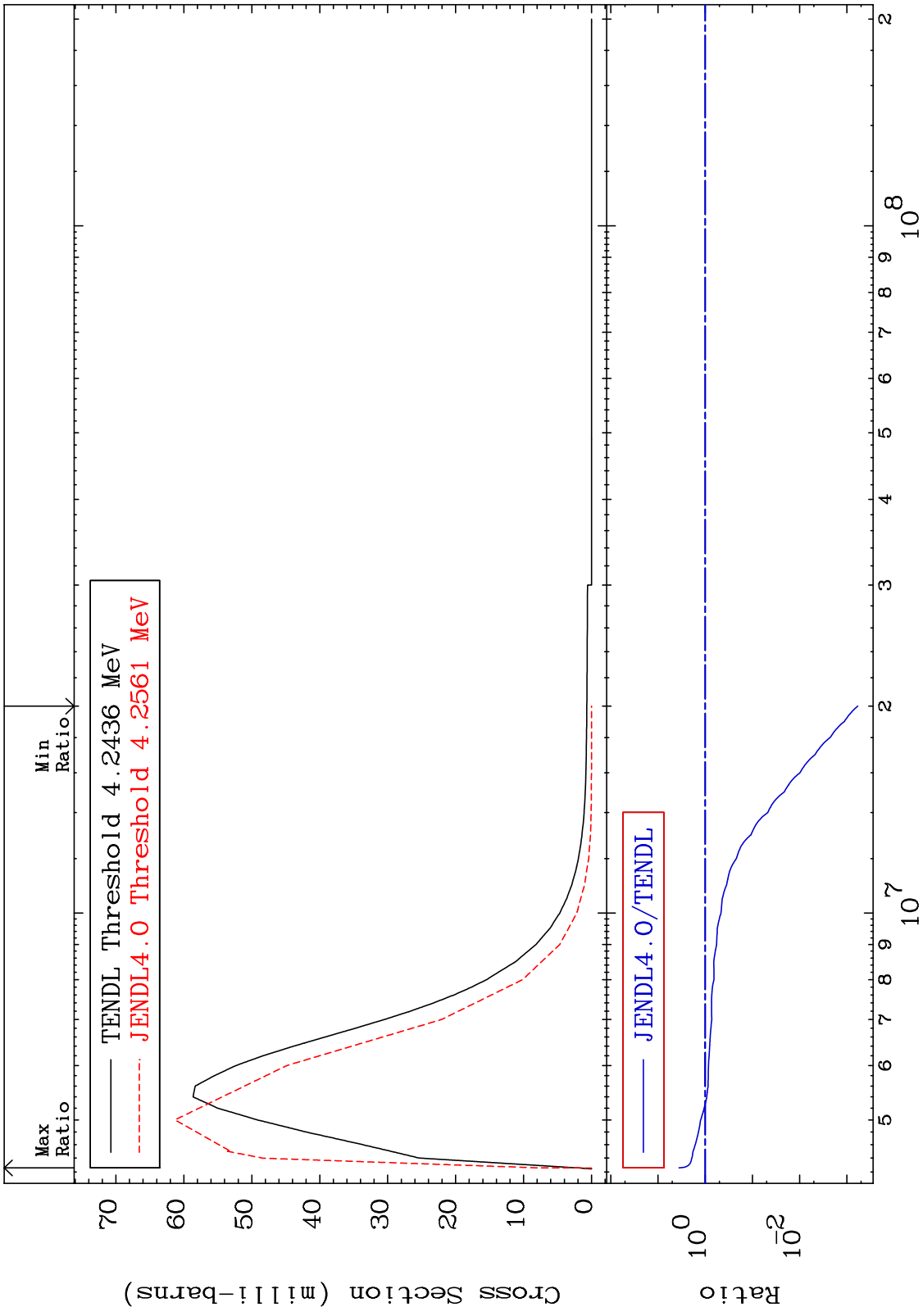
MAT 2237 MT= 56 (n,n') Level Cross Section 22-Ti-50 -96.42 To -17.99%



MAT 2237 MT= 57 (n,n') Level Cross Section -83.18 To 20.36 % 22-Ti-50

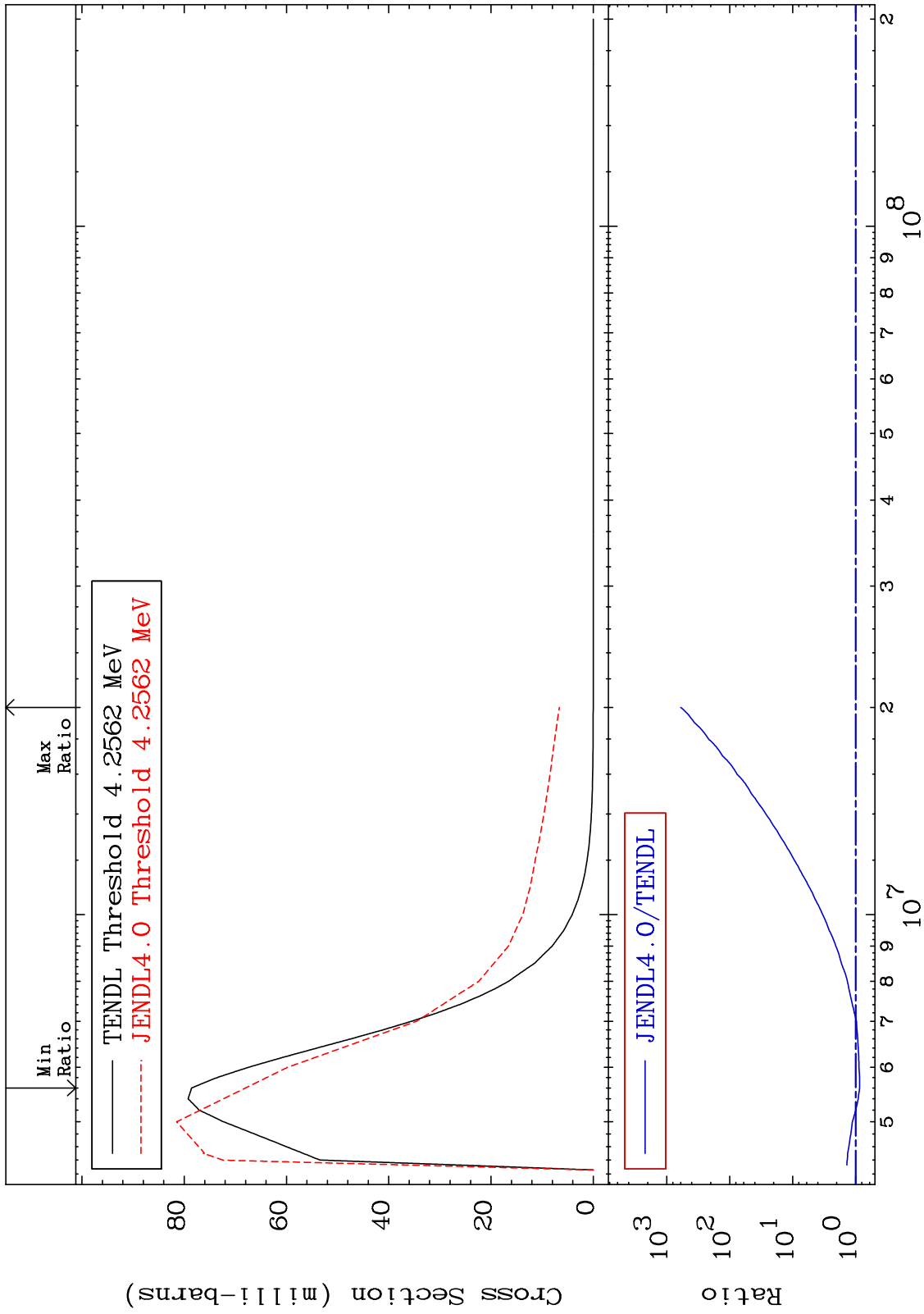


MAT 2237 MT= 58 (n,n') Level Cross Section -99.94 To 258.1 % 22-Ti-50

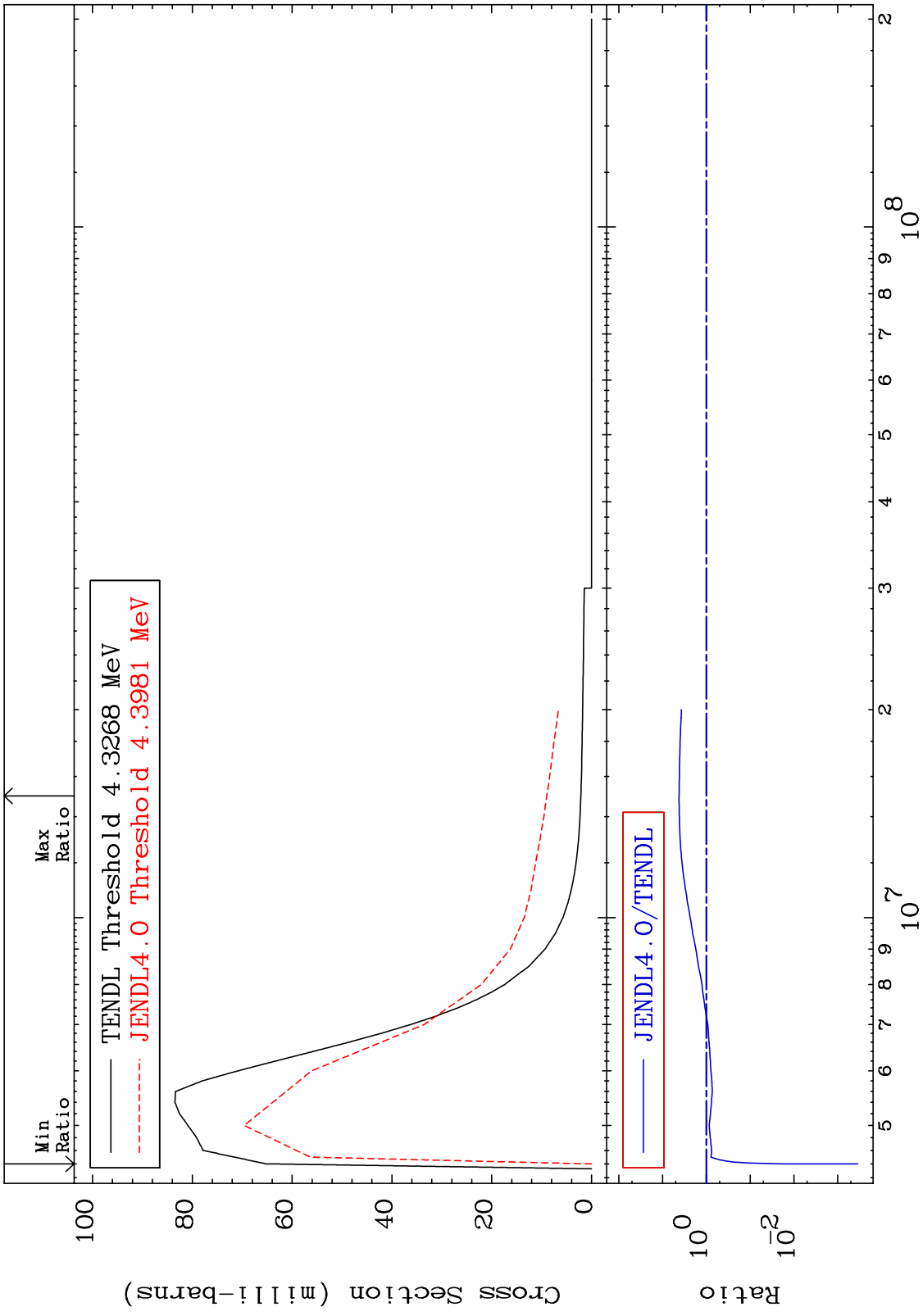


15 22-Ti-50 Incident Energy (eV)

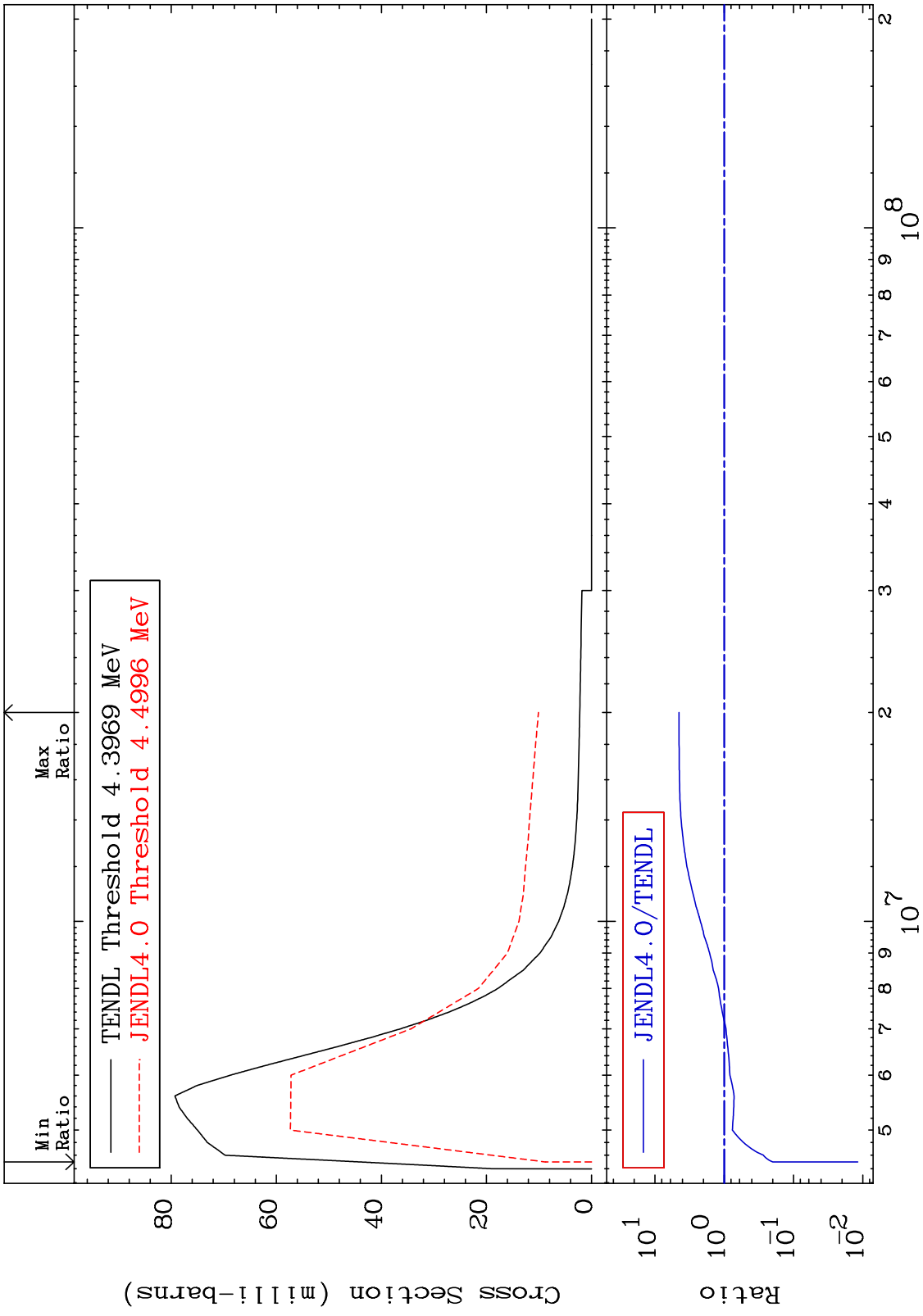
MAT 2237 MT= 59 (n,n') Level Cross Section -13.45 To 9999. % 22-Ti-50

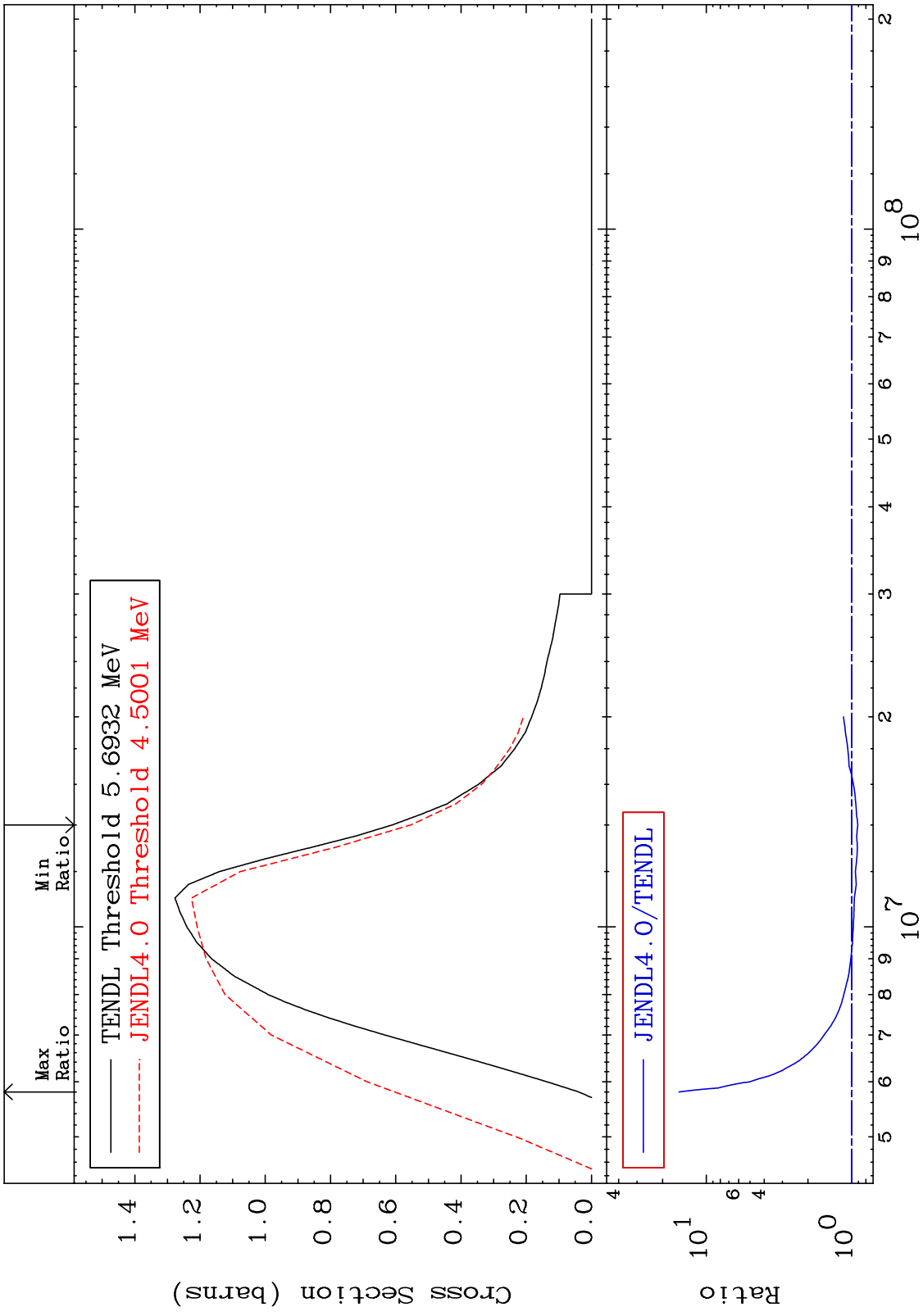


MAT 2237 MT= 60 (n,n') Level Cross Section -99.97 To 320.9 % 22-Ti-50



MAT 2237 MT= 61 (n,n') Level Cross Section 22-Ti-50
 -98.82 To 349.6 %





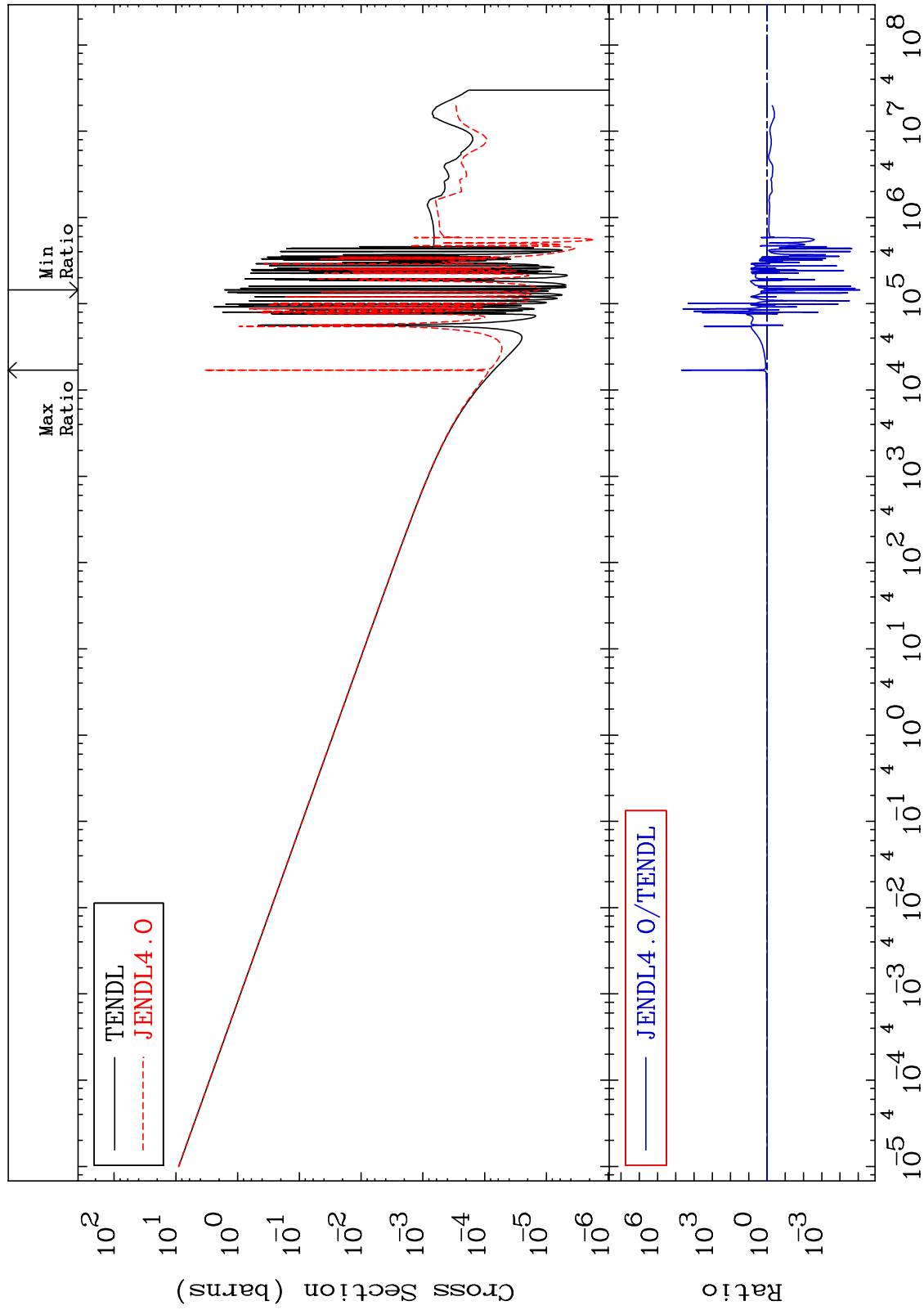
MAT 2237

(n, γ)

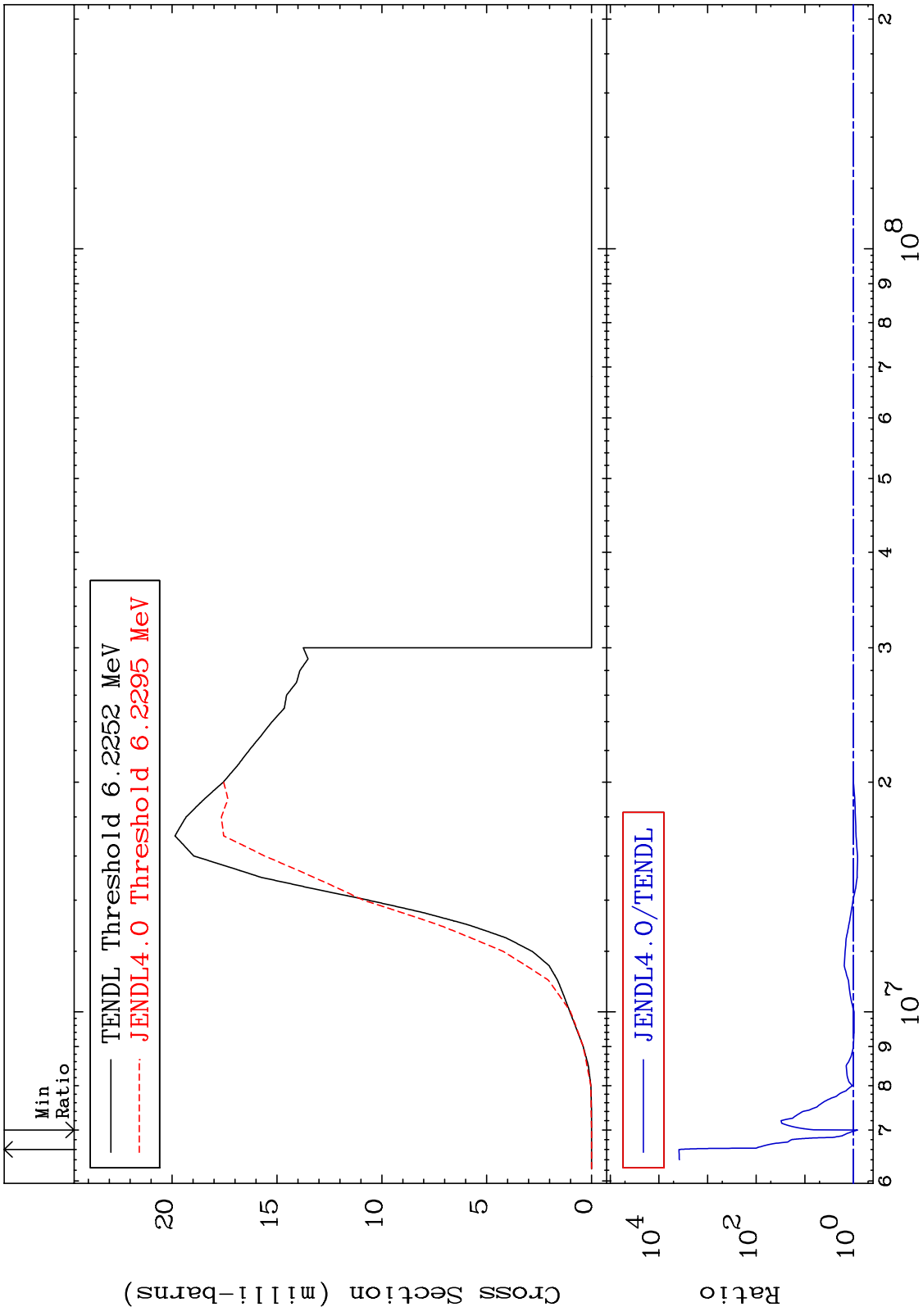
22-Ti-50

Cross Section

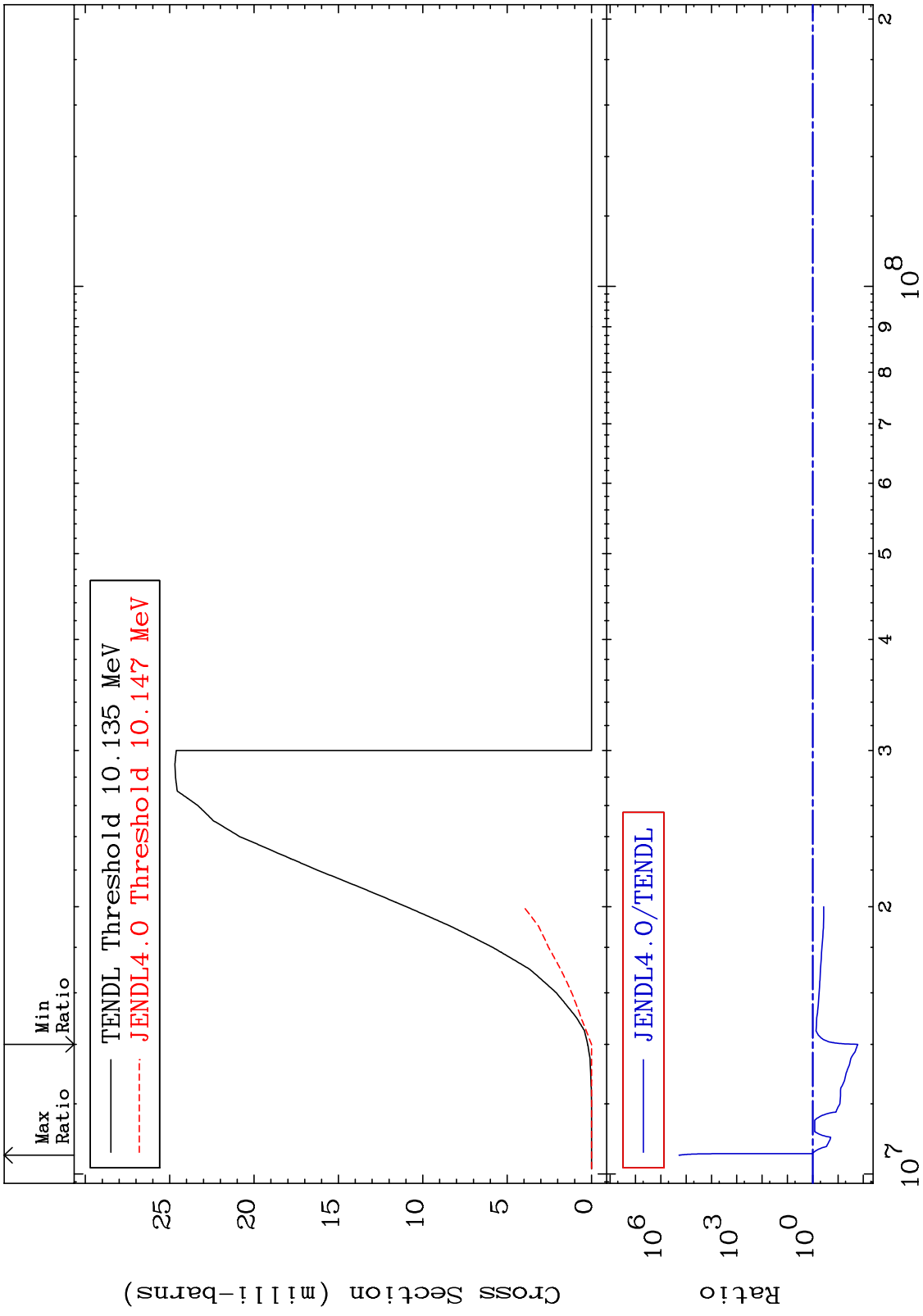
-100.0 To 9999. %



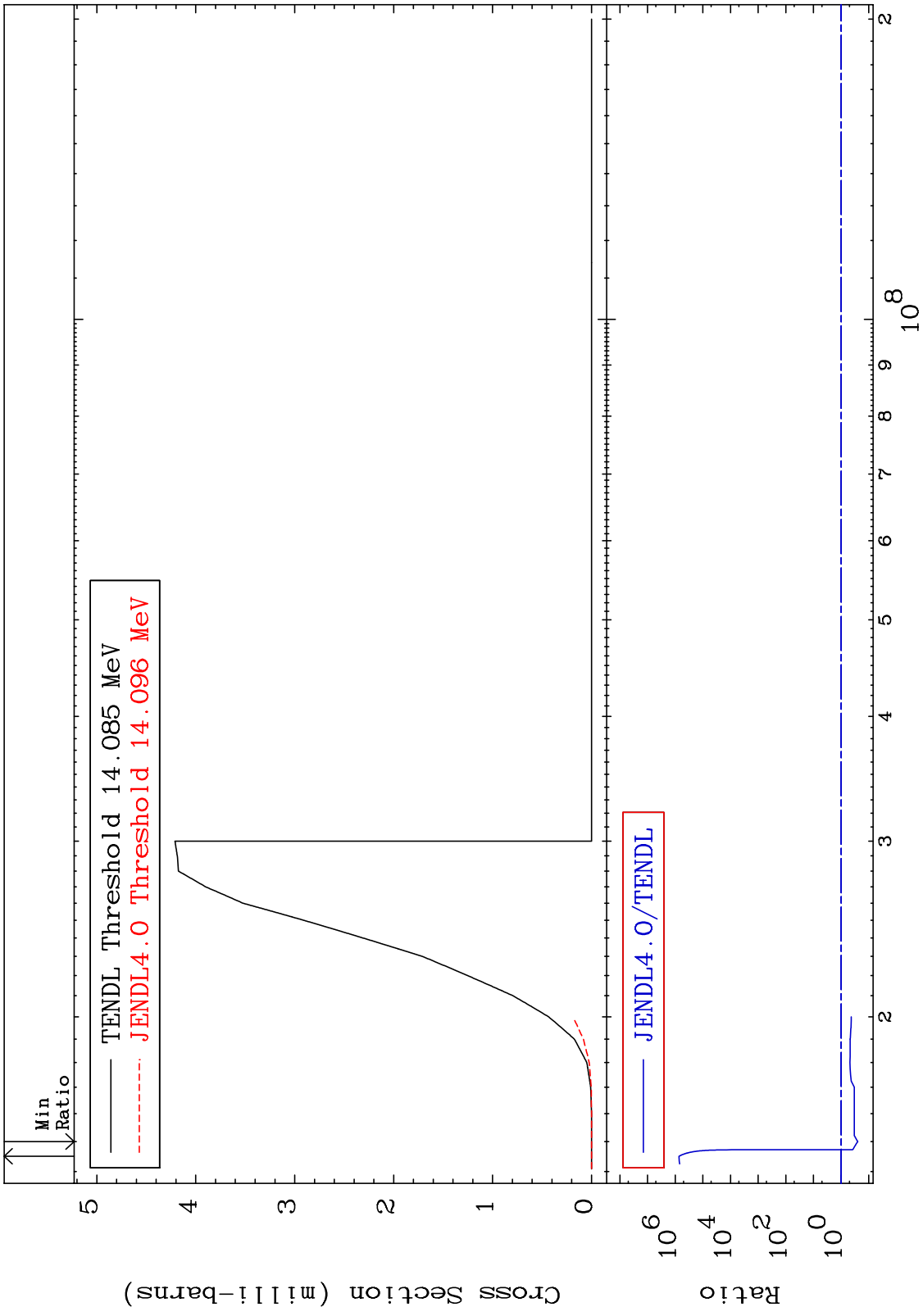
MAT 2237 (n,p) 22-Ti-50
 Cross Section -18.82 To 9999. %

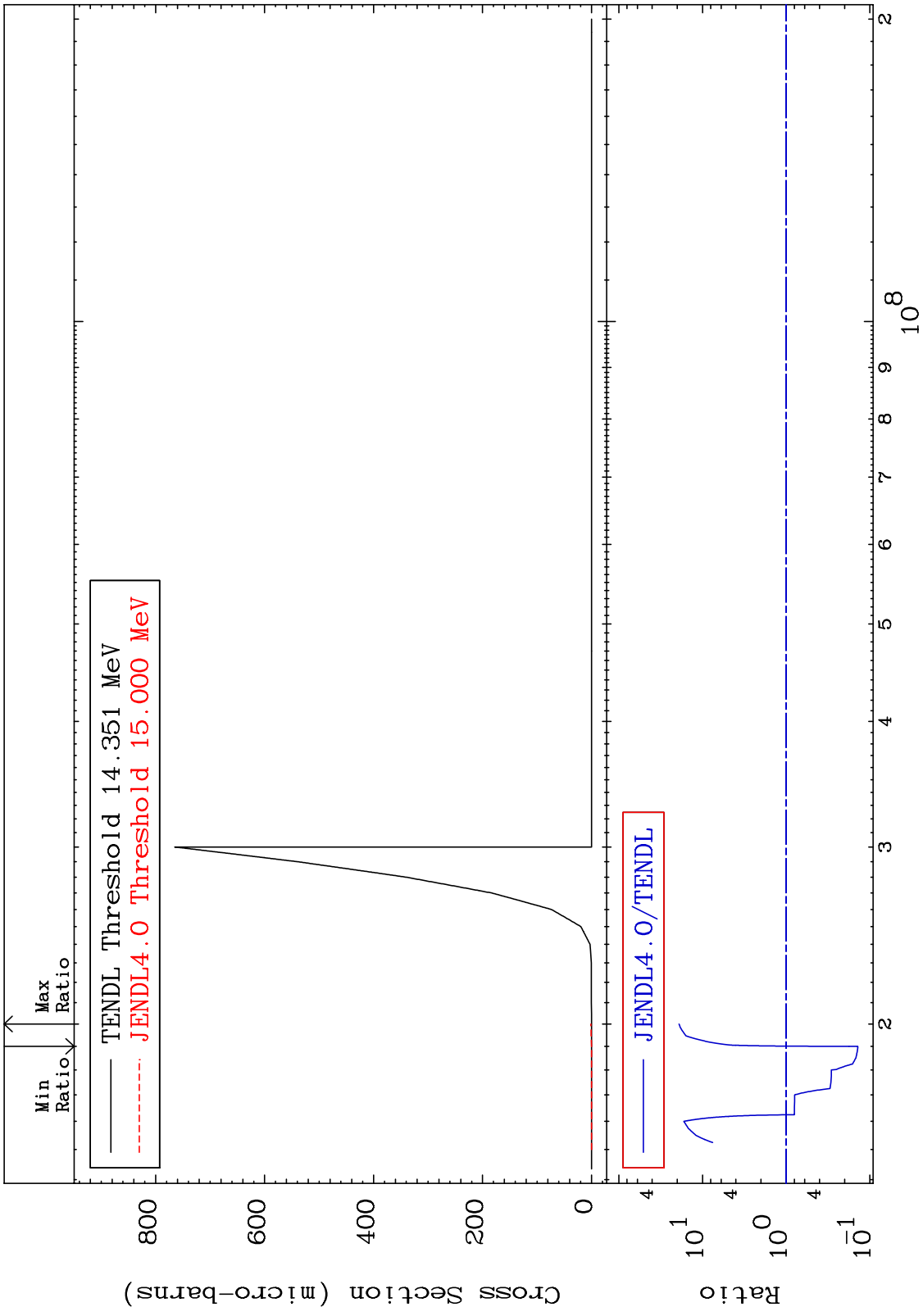


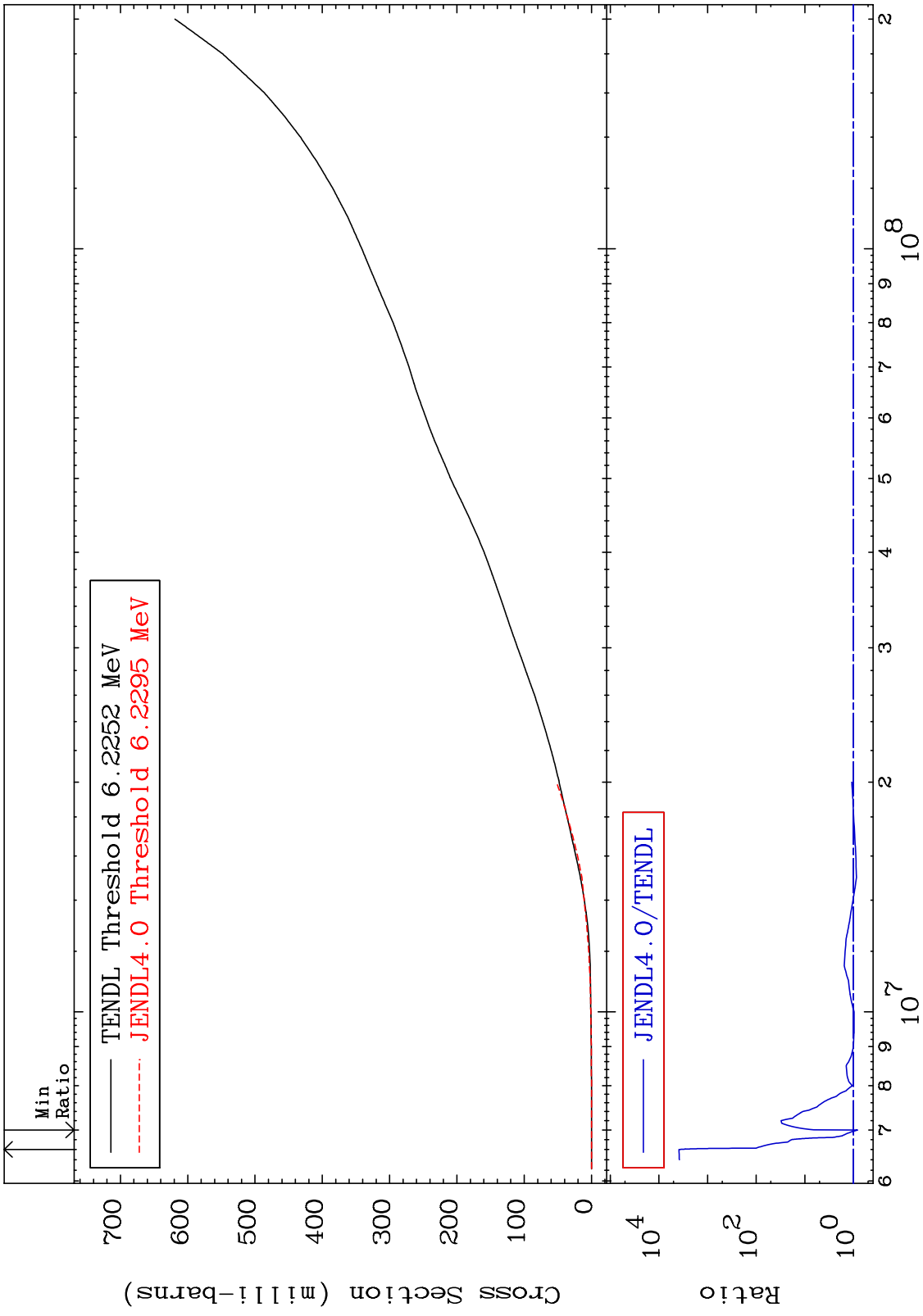
MAT 2237 (n,d) 22-Ti-50
Cross Section -98.35 To 9999. %



22 22-Ti-50



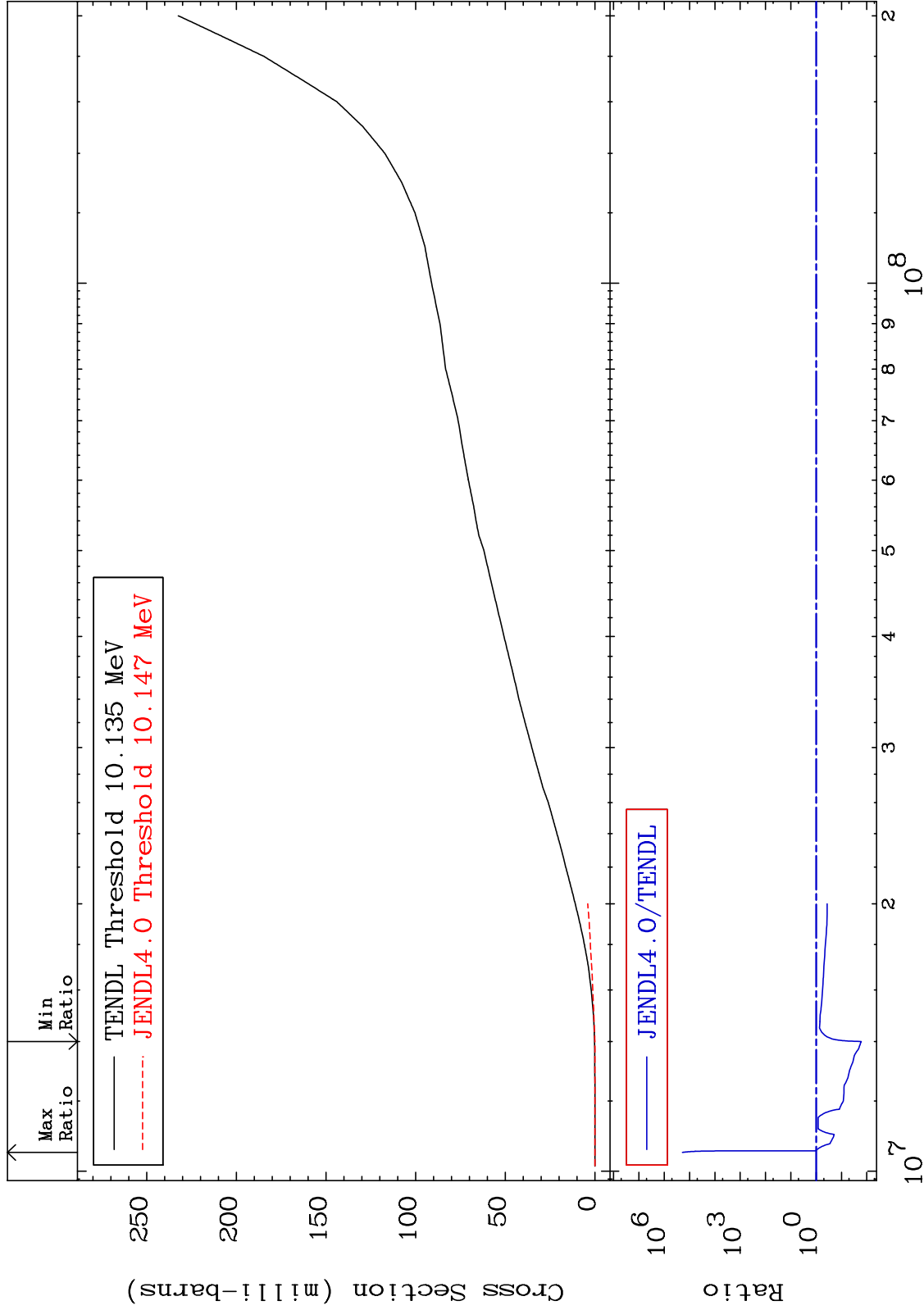




MAT 2237

Deuterium Production
Cross Section

22-Ti-50
-98.35 To 9999. %



27

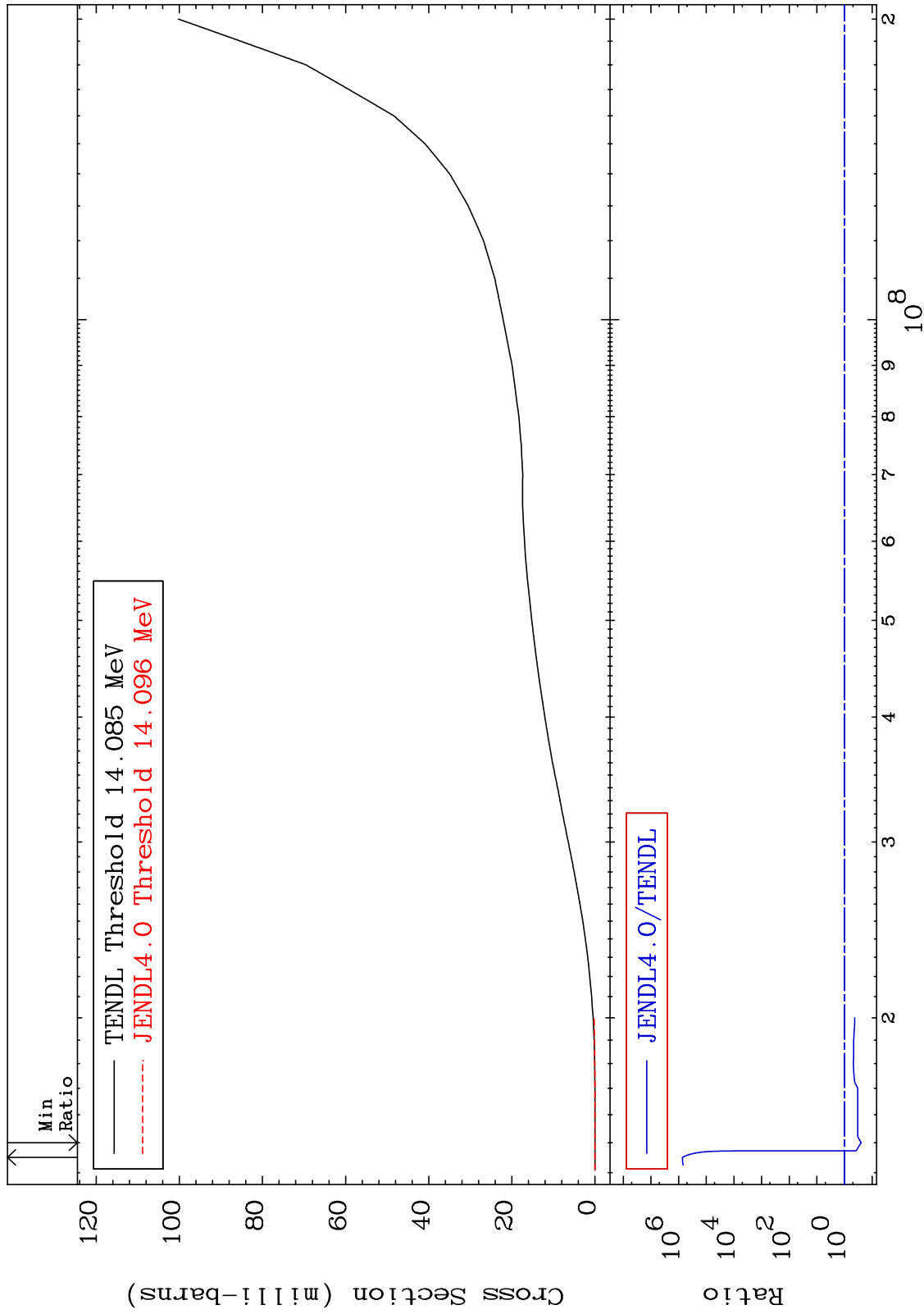
Incident Energy (eV)

22-Ti-50

MAT 2237

Tritium Production
Cross Section

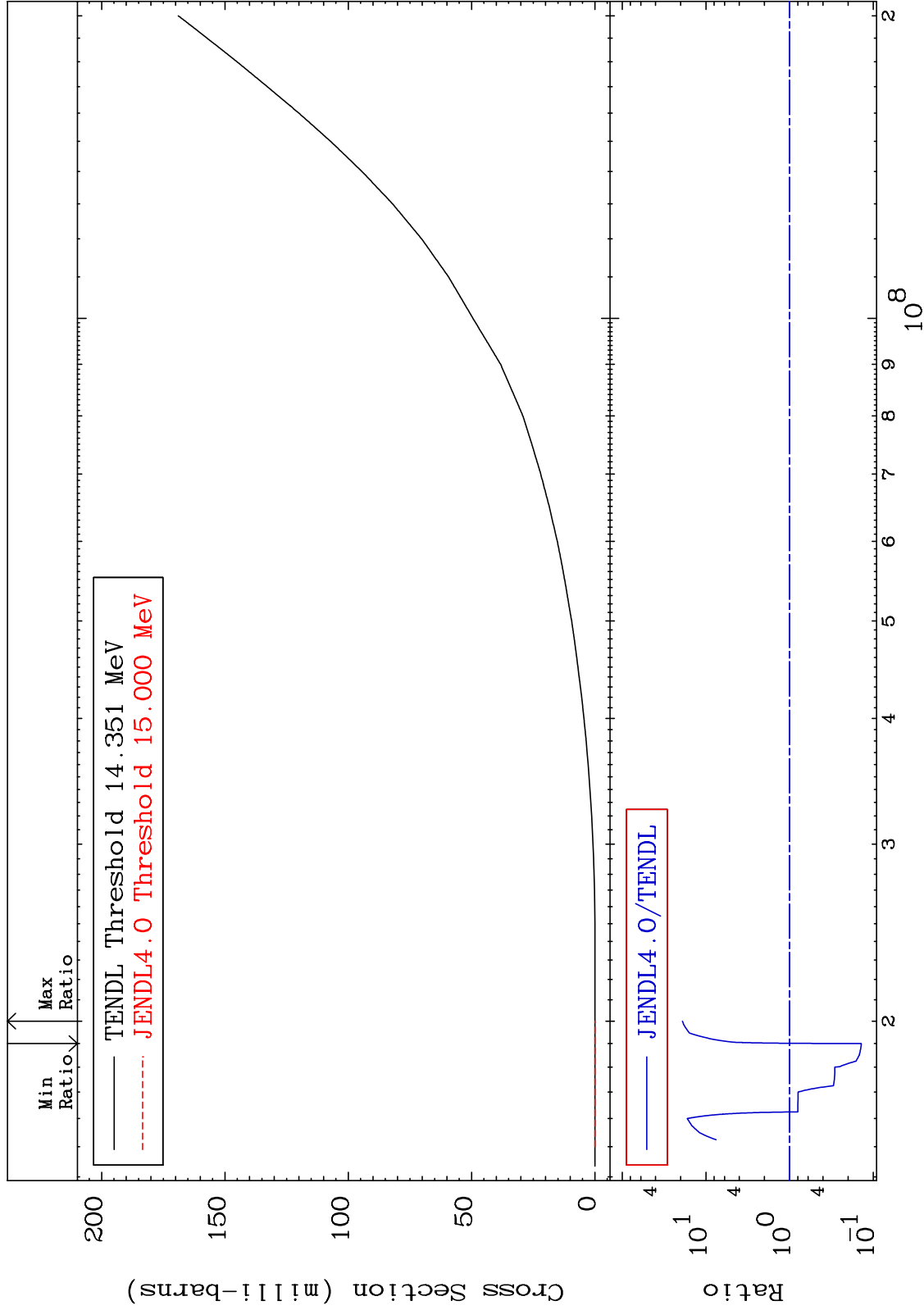
22-Ti-50
-75.06 To 9999. %

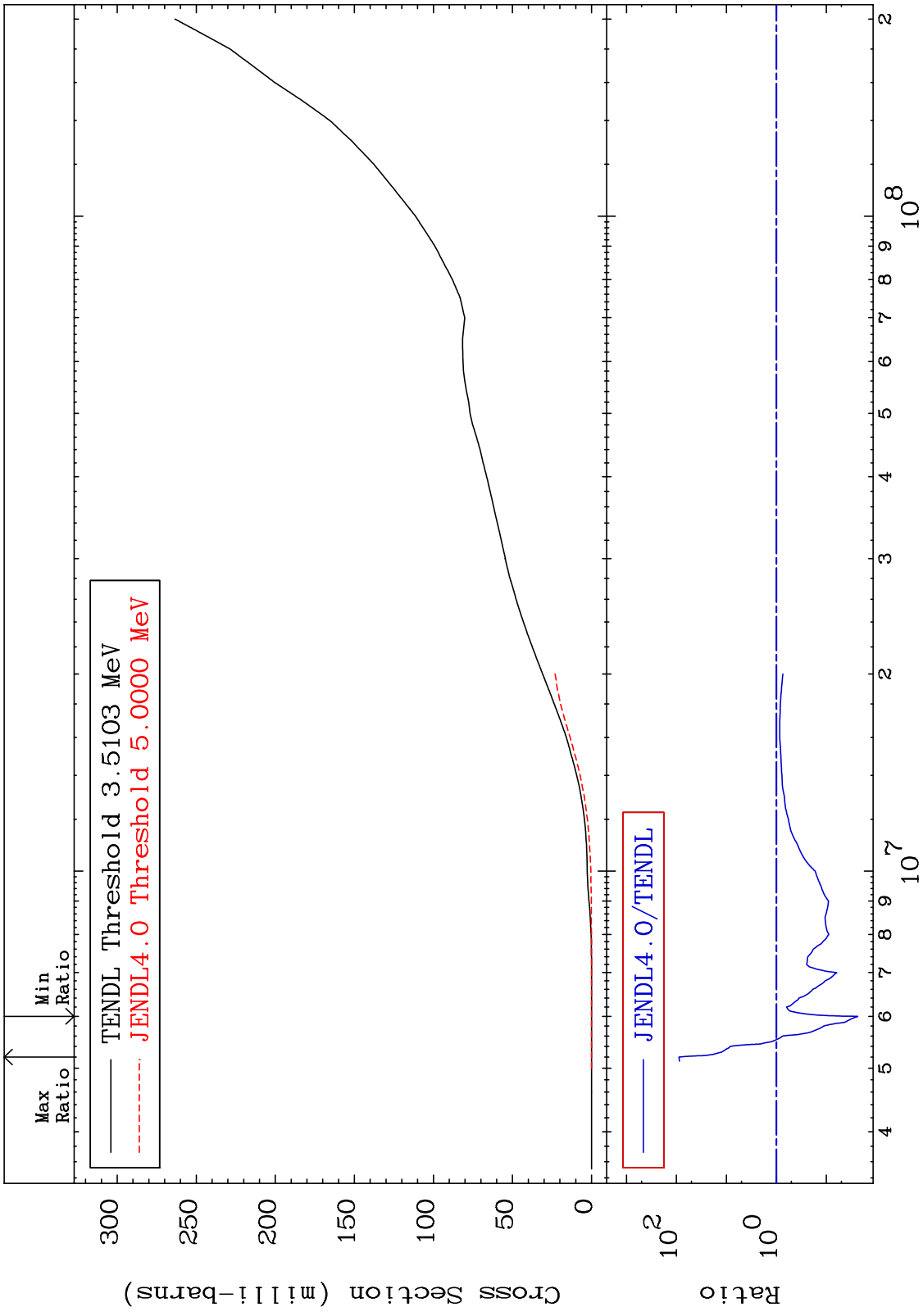


MAT 2237

He-3 Production
Cross Section

22-Ti-50
-86.08 To 1808. %

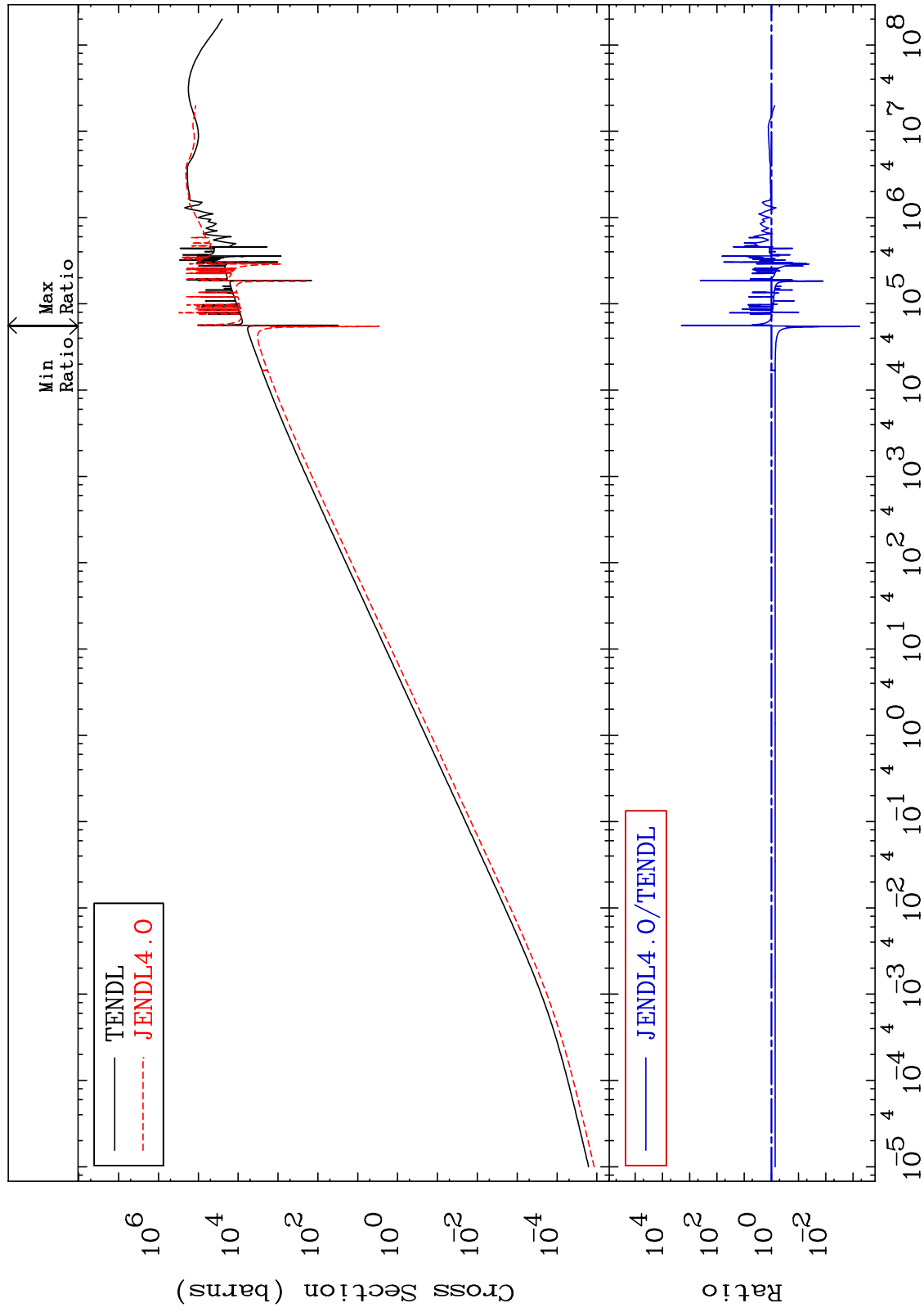




MAT 2237

Kerma elastic
Cross Section

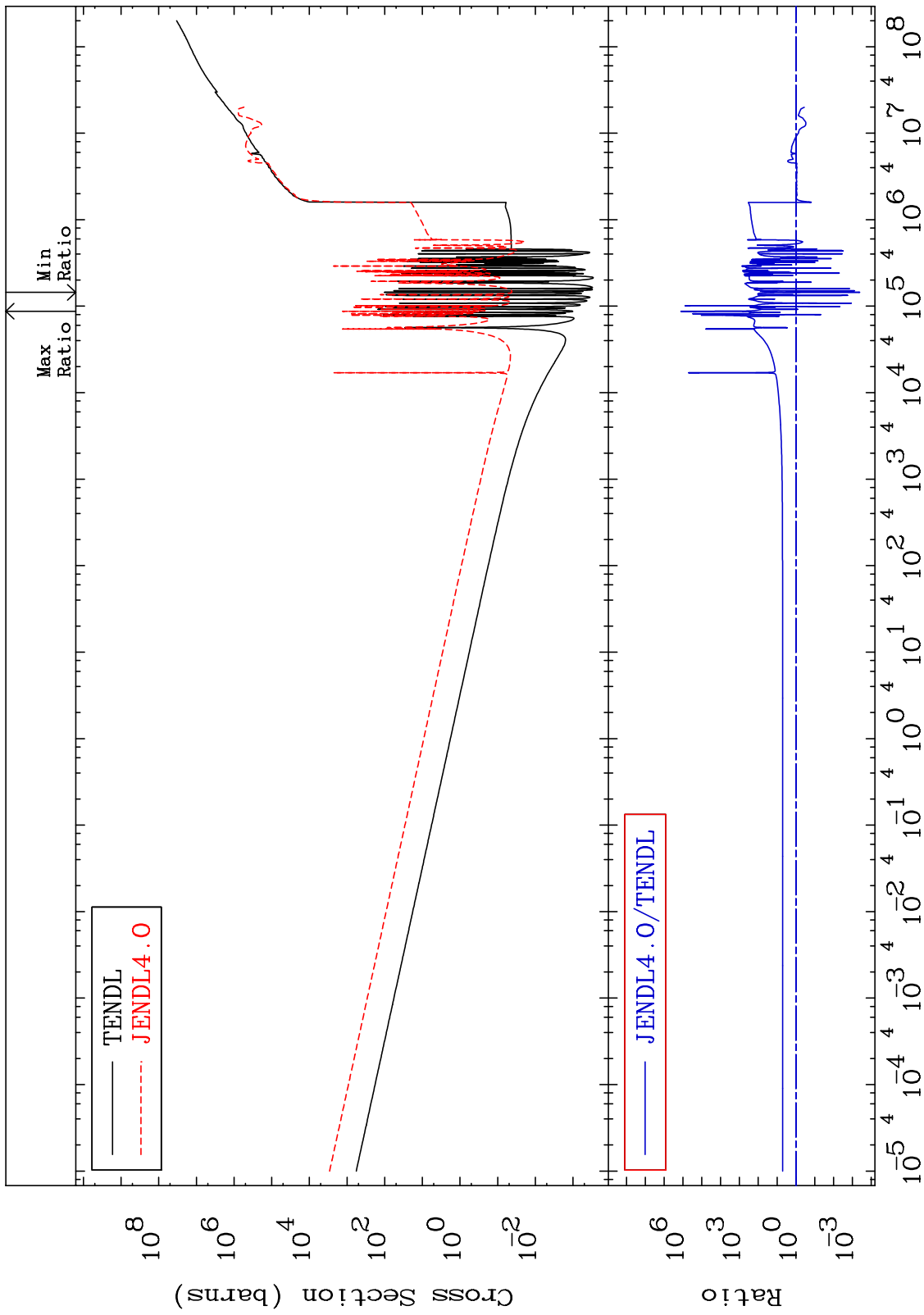
22-Ti-50
-99.94 To 9999. %

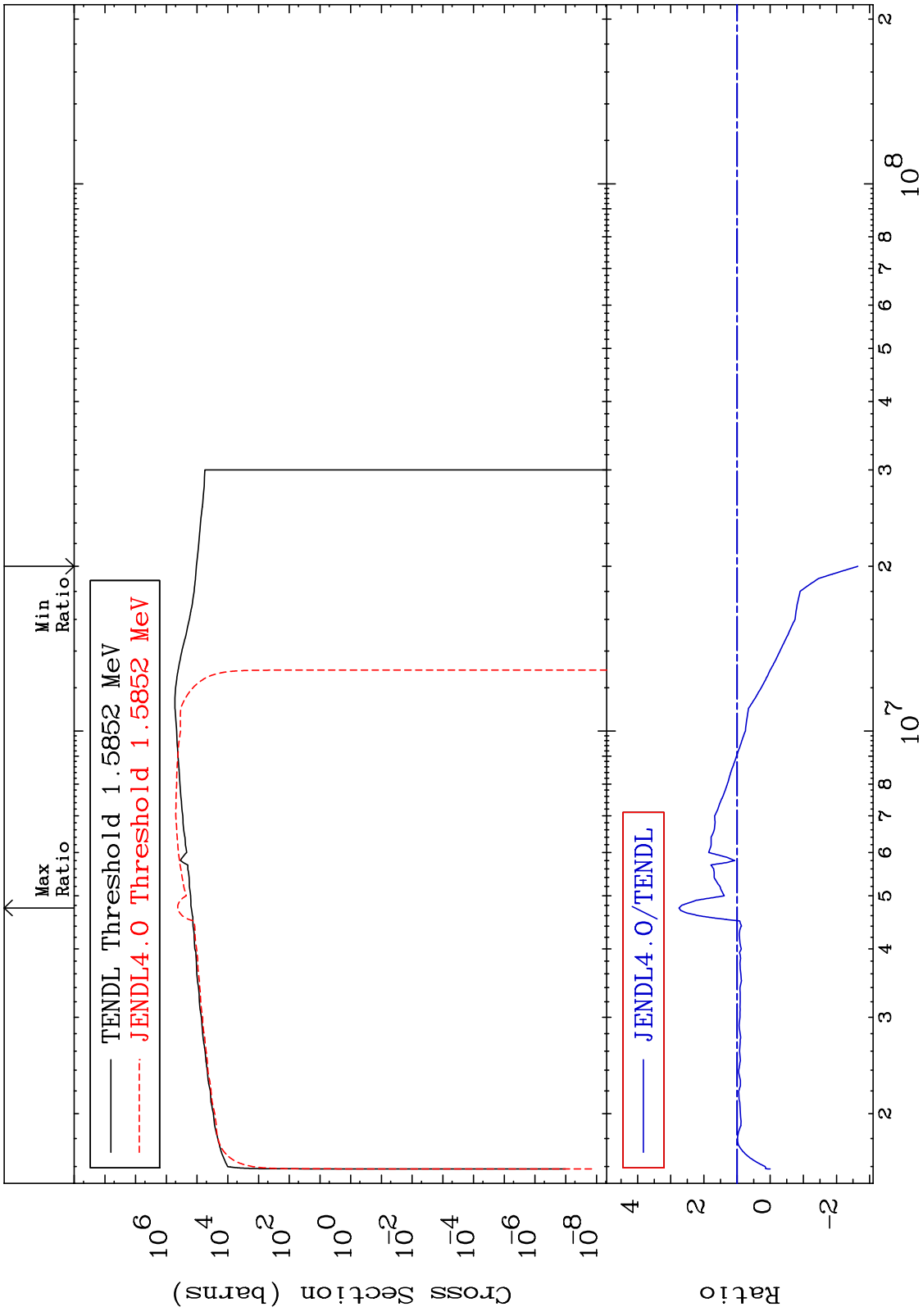


MAT 2237

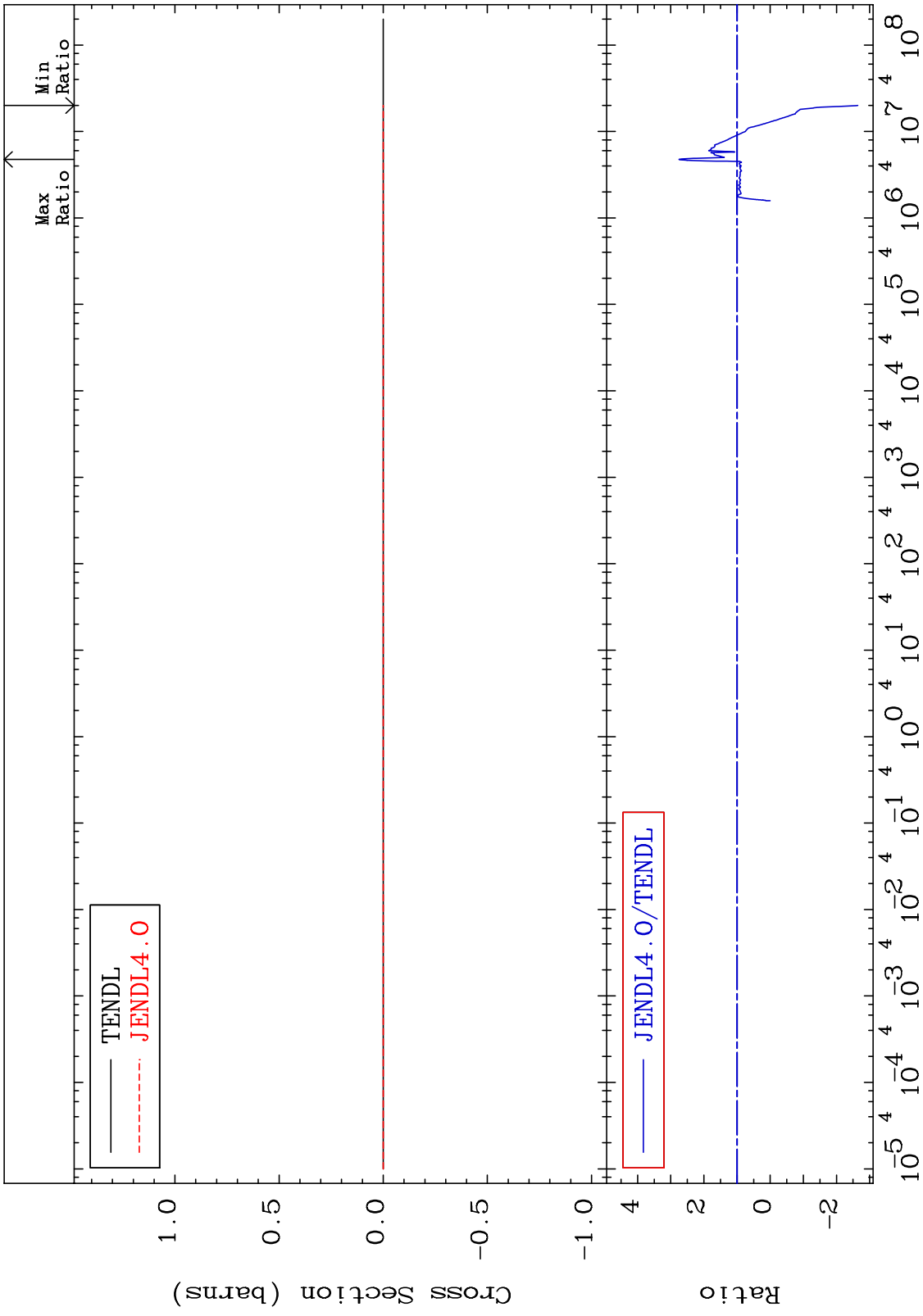
Kerma non-elastic (all but mt2)
Cross Section

22-Ti-50
-99.96 To 9999. %





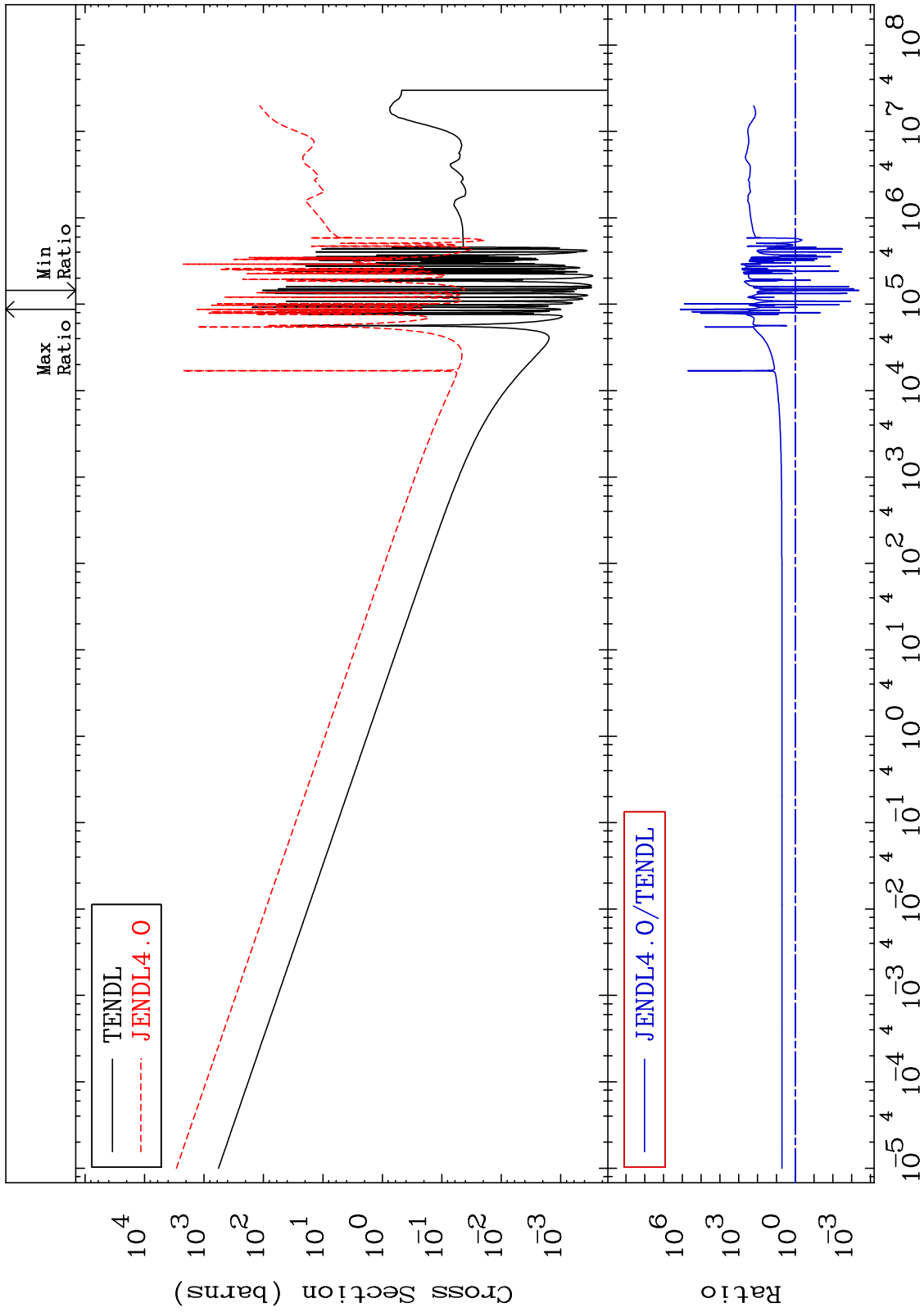
MAT 2237 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-50
 Cross Section -364.4 To 175.0 %



MAT 2237

Kerma capture (mt102)
Cross Section

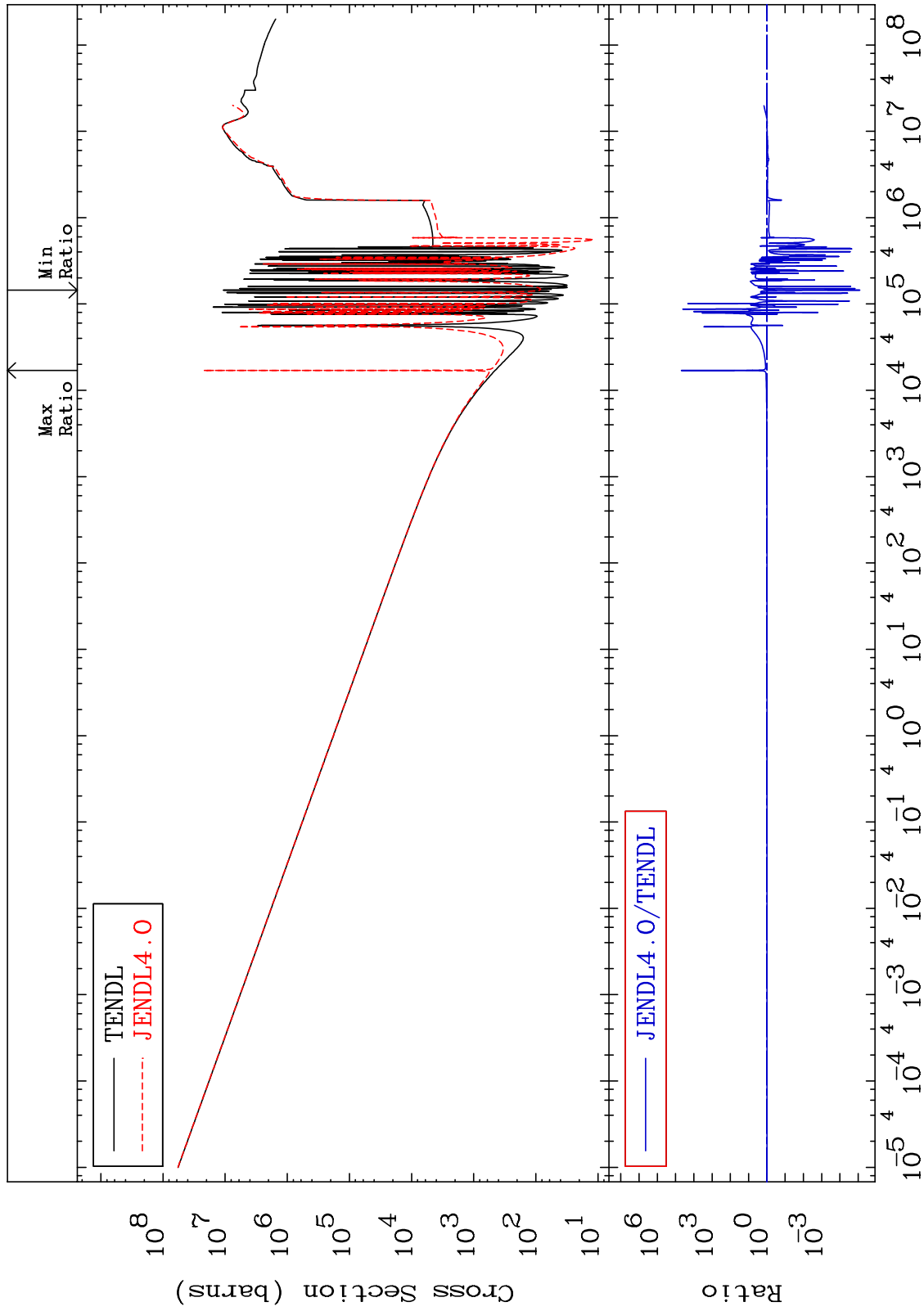
22-Ti-50
-99.96 To 9999. %



MAT 2237

Total photon (eV-barns)
Cross Section

22-Ti-50
-100.0 To 9999. %

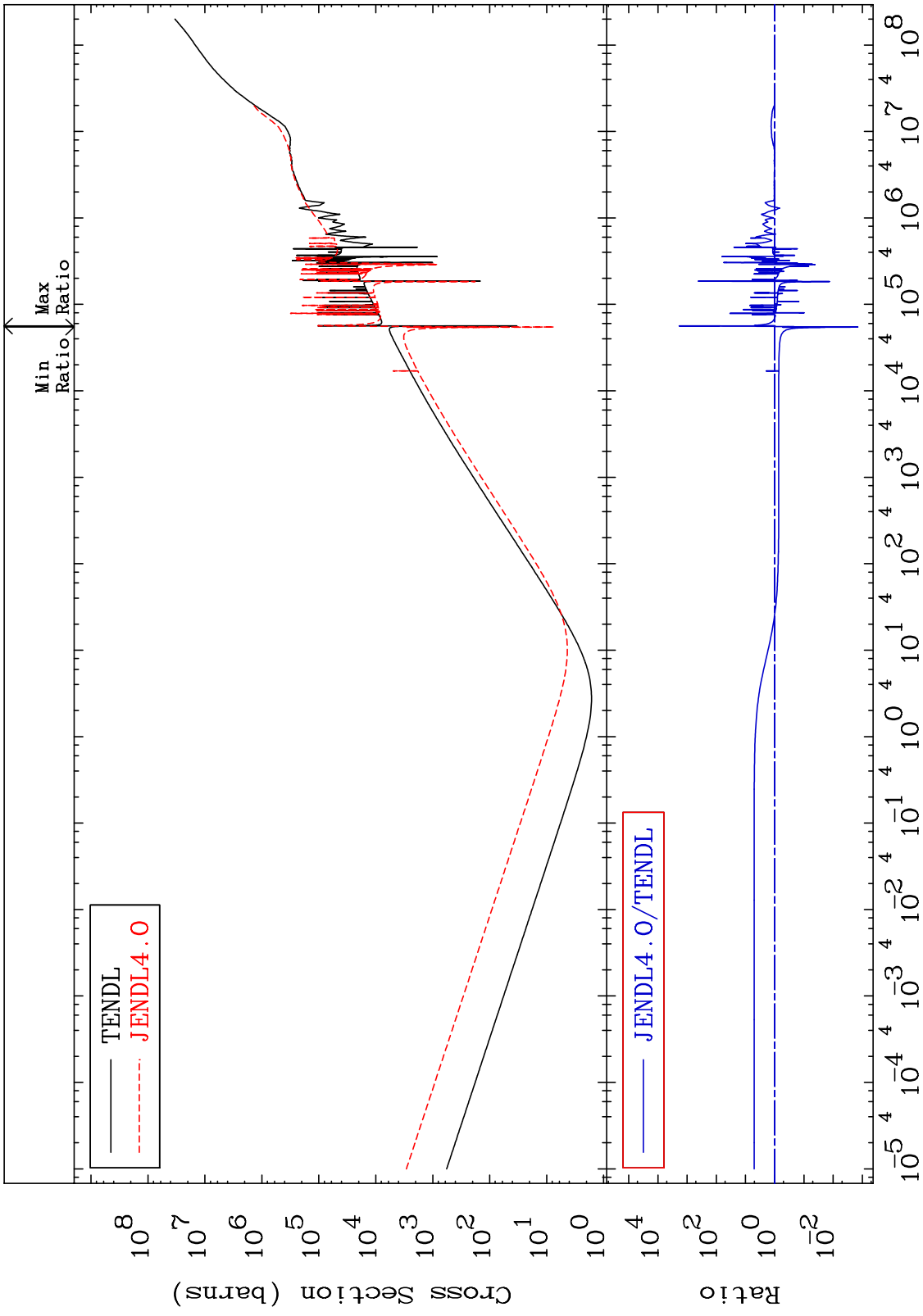


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Incident Energy (eV)

22-Ti-50

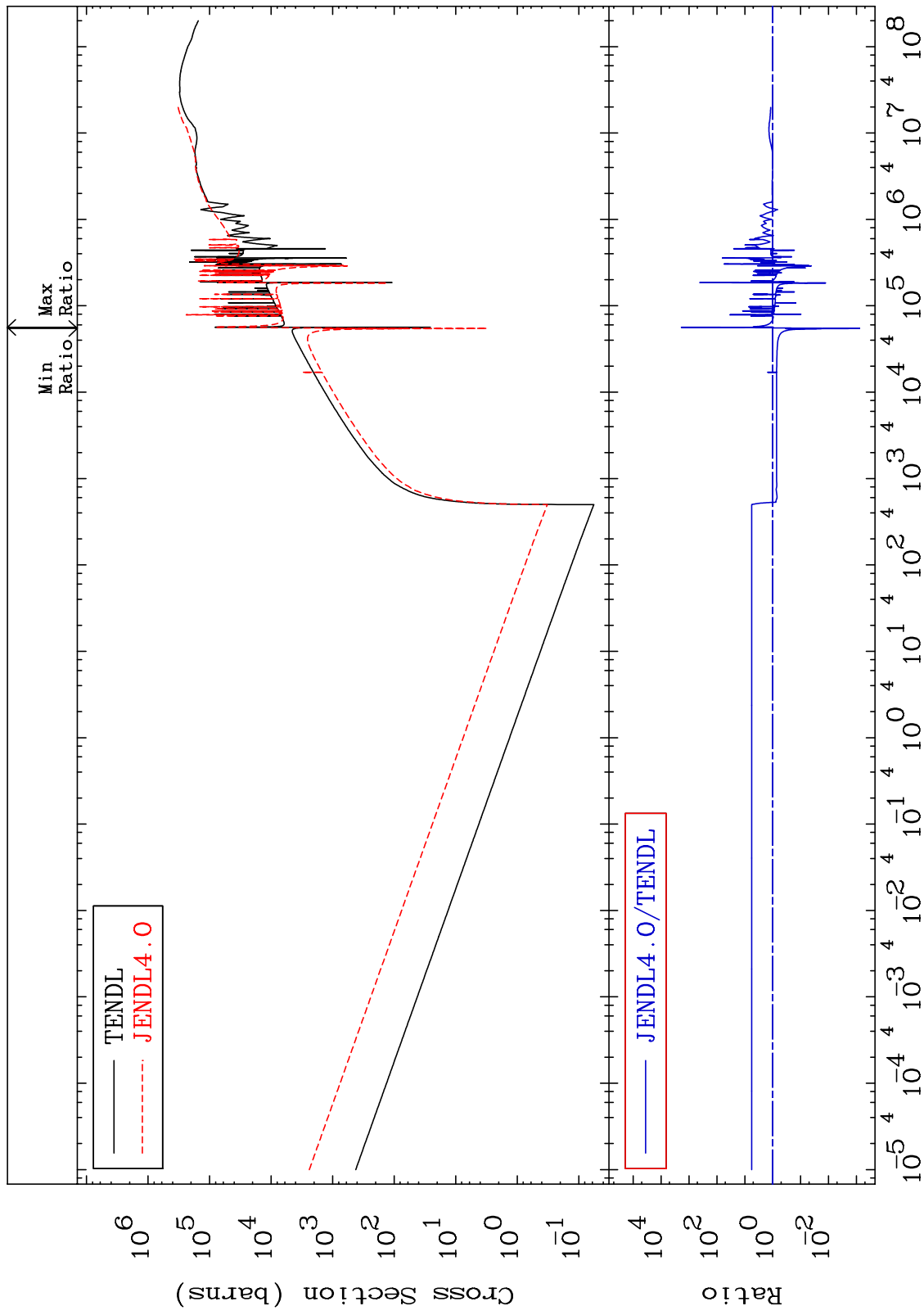
MAT 2237 Total kinematic kerma (high limit) 22-Ti-50
 Cross Section -99.86 To 9999. %



MAT 2237

Dpa total (eV-barns)
Cross Section

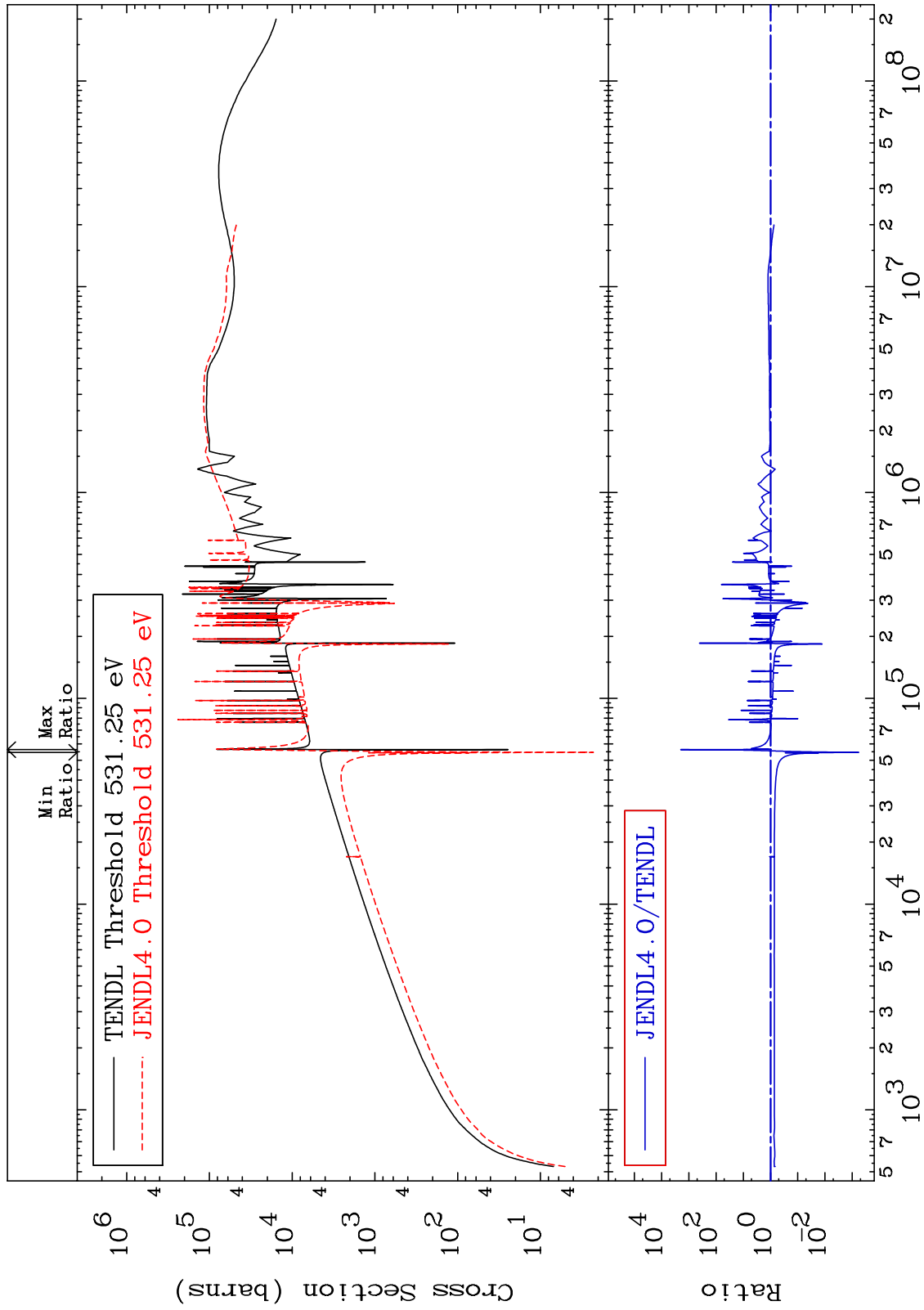
22-Ti-50
-99.92 To 9999. %



MAT 2237

Dpa elastic (mt2)
Cross Section

22-Ti-50
-99.94 To 9999. %

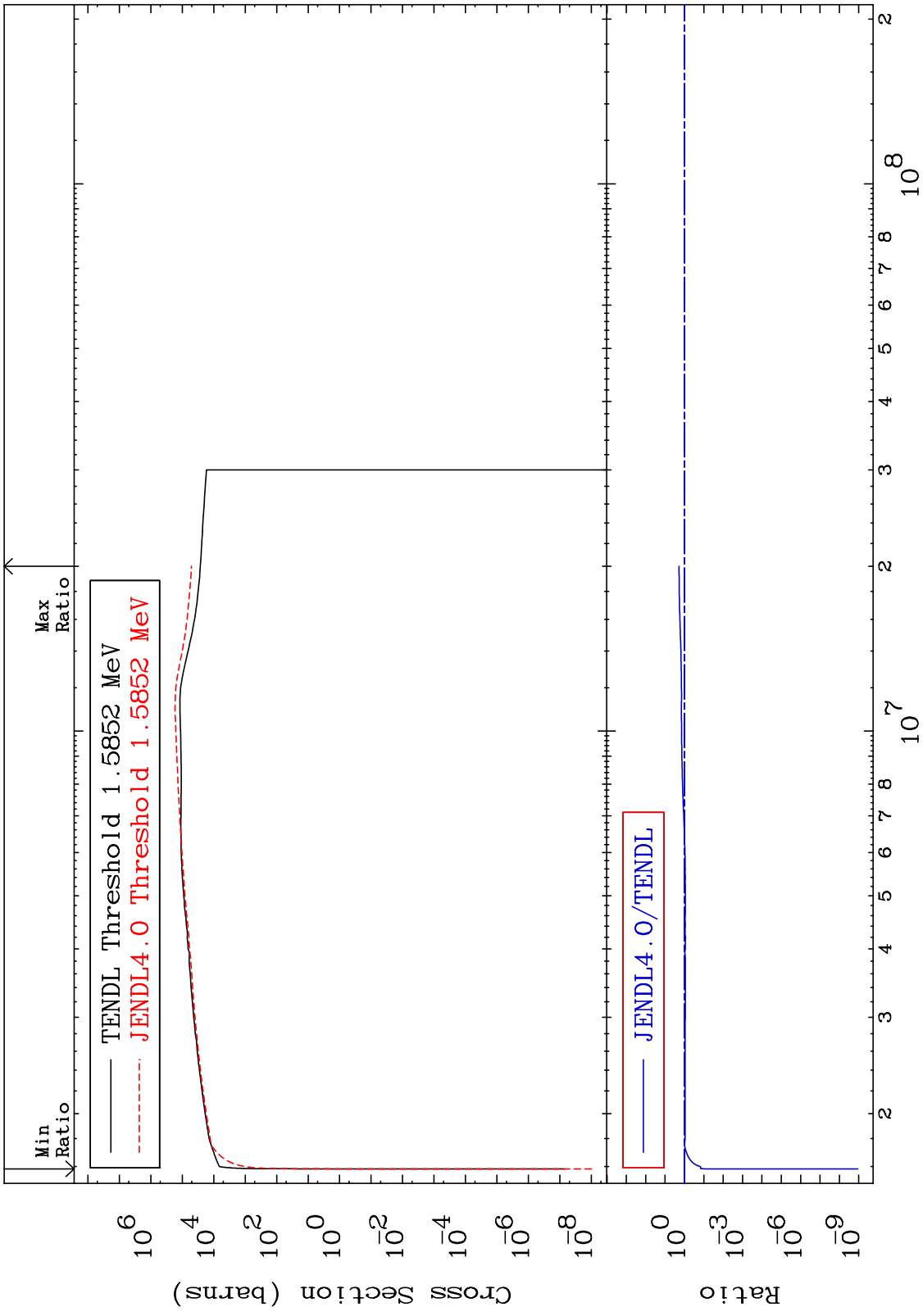


40

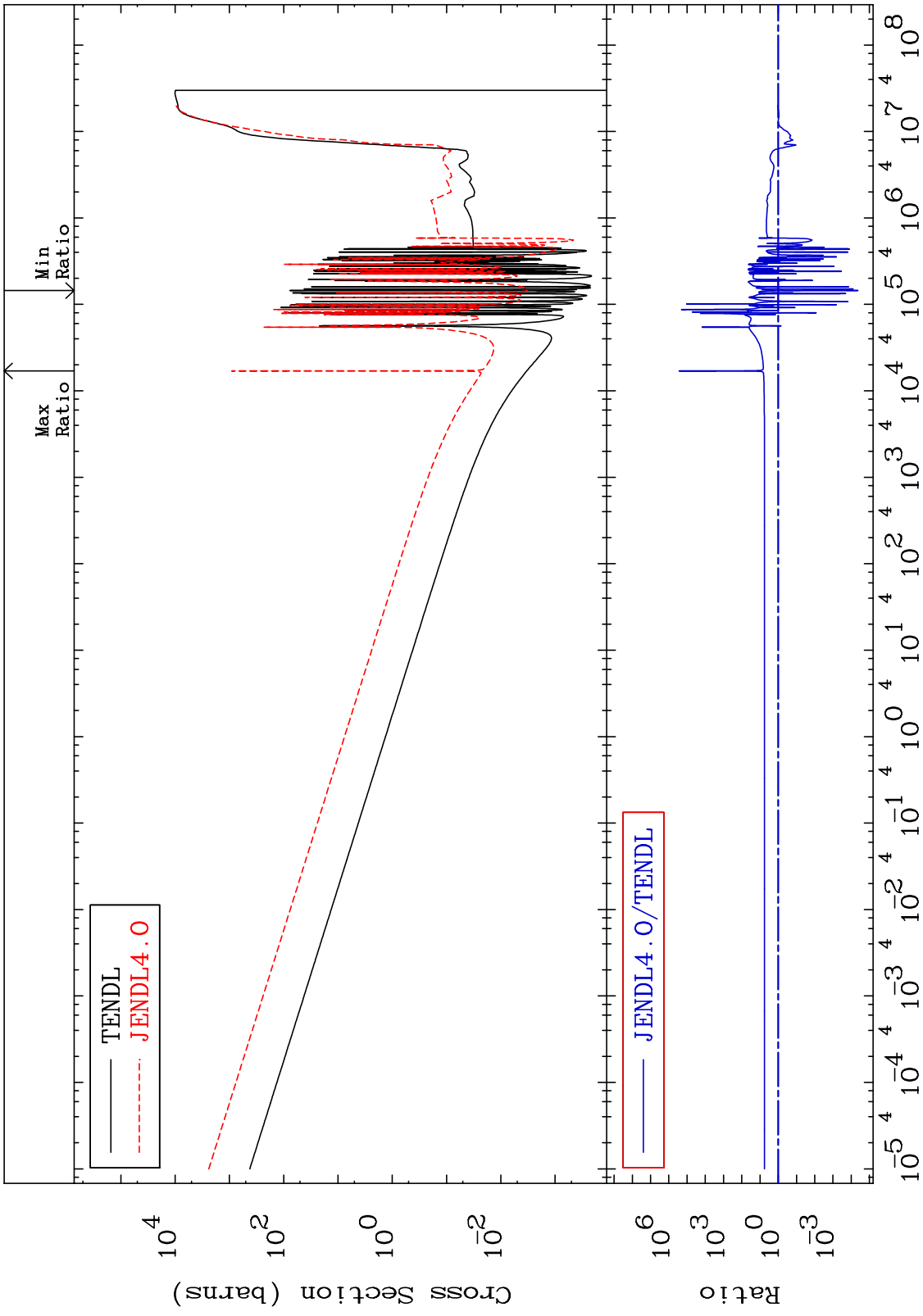
Incident Energy (eV)

22-Ti-50

MAT 2237 Dpa inelastic (mt51-91) 22-Ti-50
 Cross Section -100.0 To 89.99 %



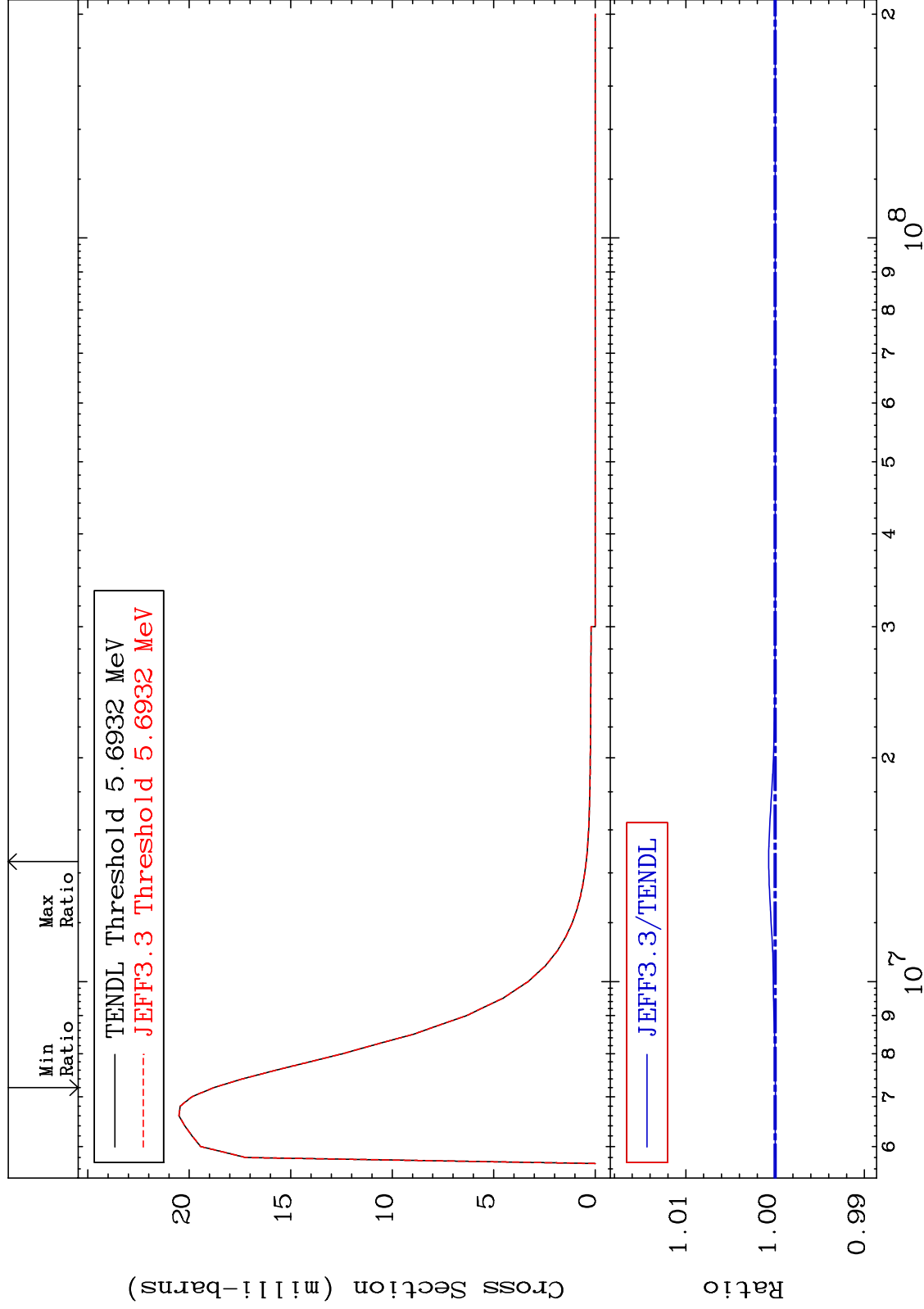
MAT 2237 Dpa disappearance (mt102 -120) 22-Ti-50
 Cross Section -100.0 To 9999. %



MAT 2237

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

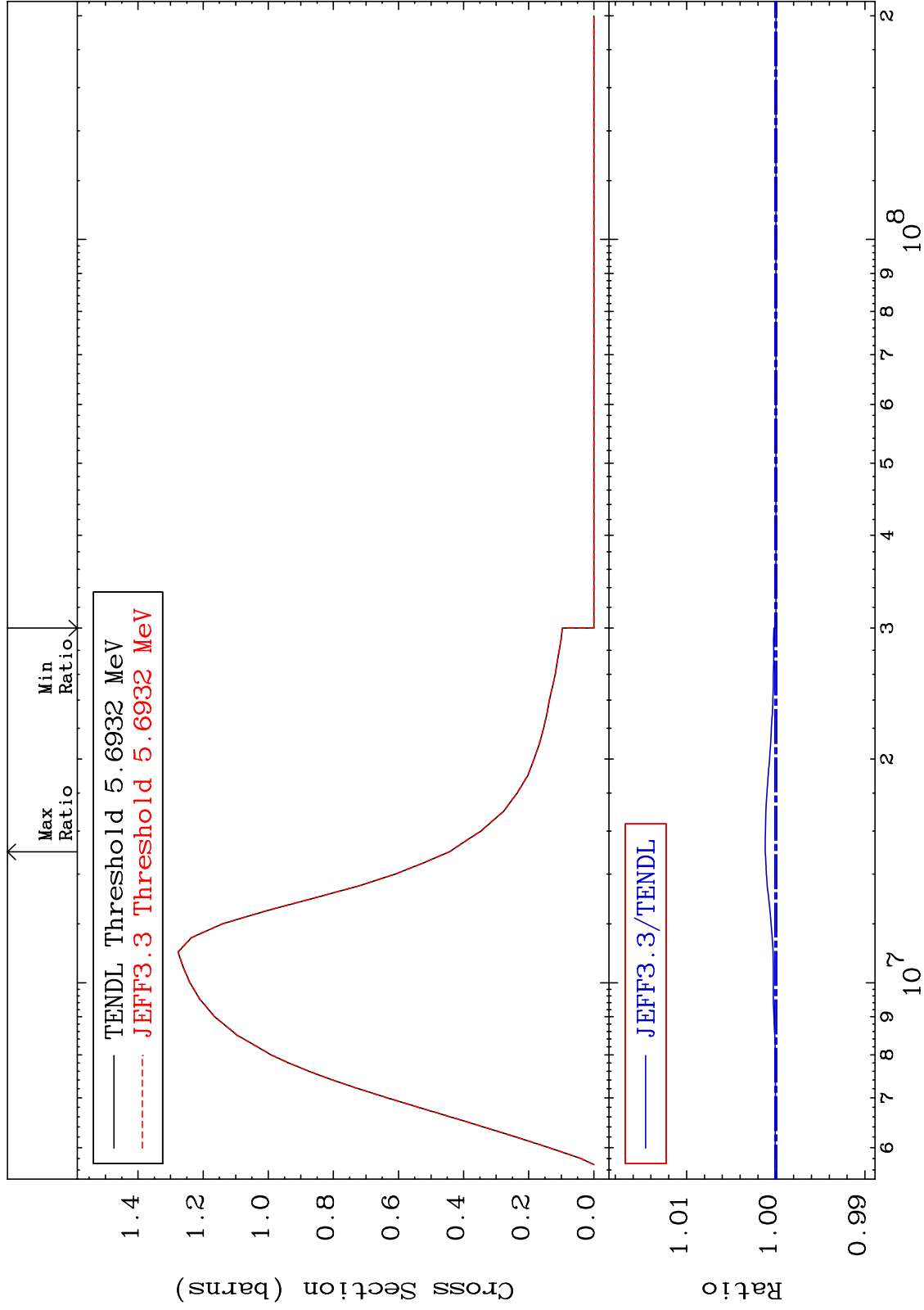
22-Ti-50
-0.003 To 0.072 %



MAT 2237

(n,n') Continuum
Cross Section

22-Ti-50
0.000 To 0.119 %



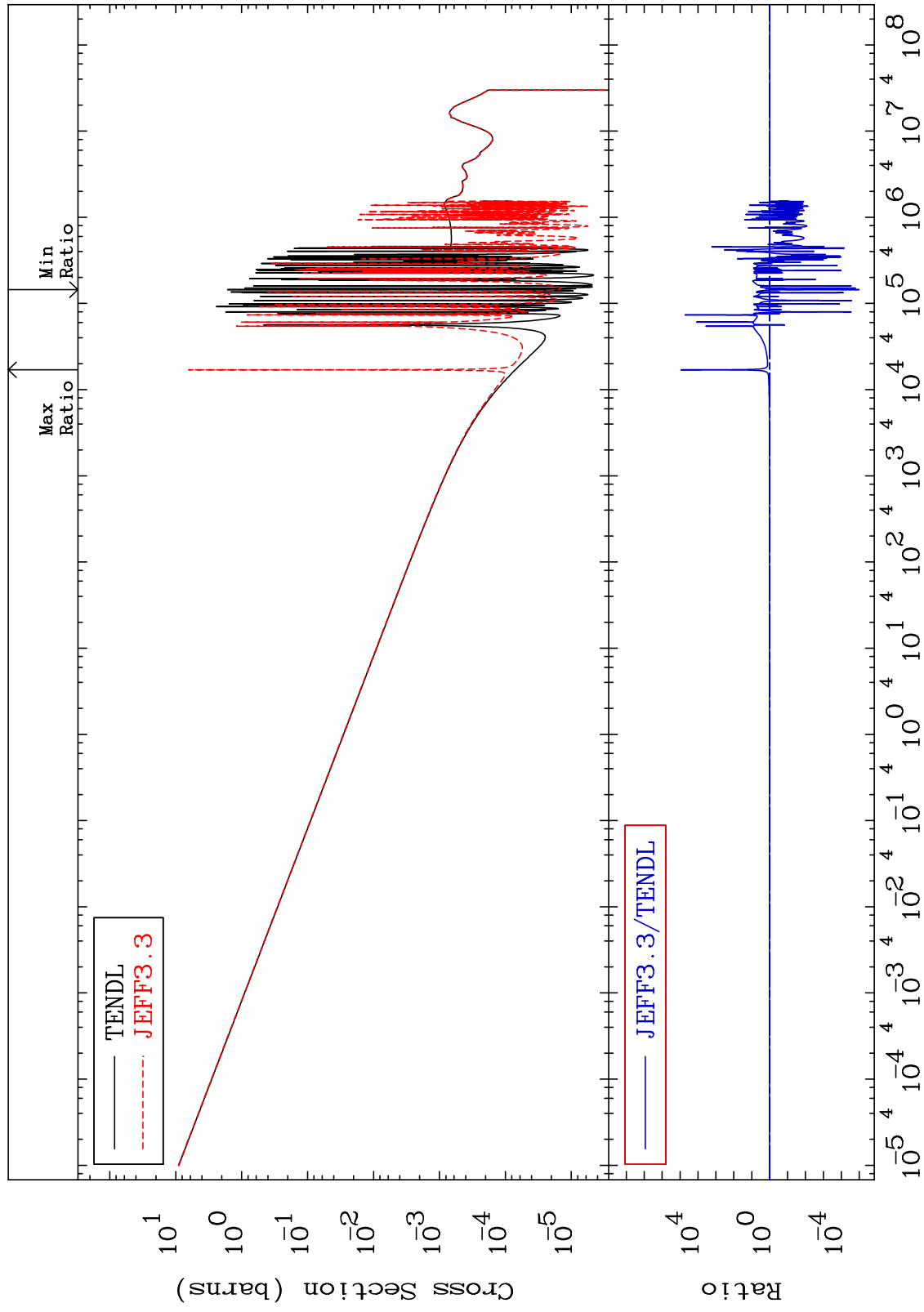
MAT 2237

(n, γ)

22-Ti-50

Cross Section

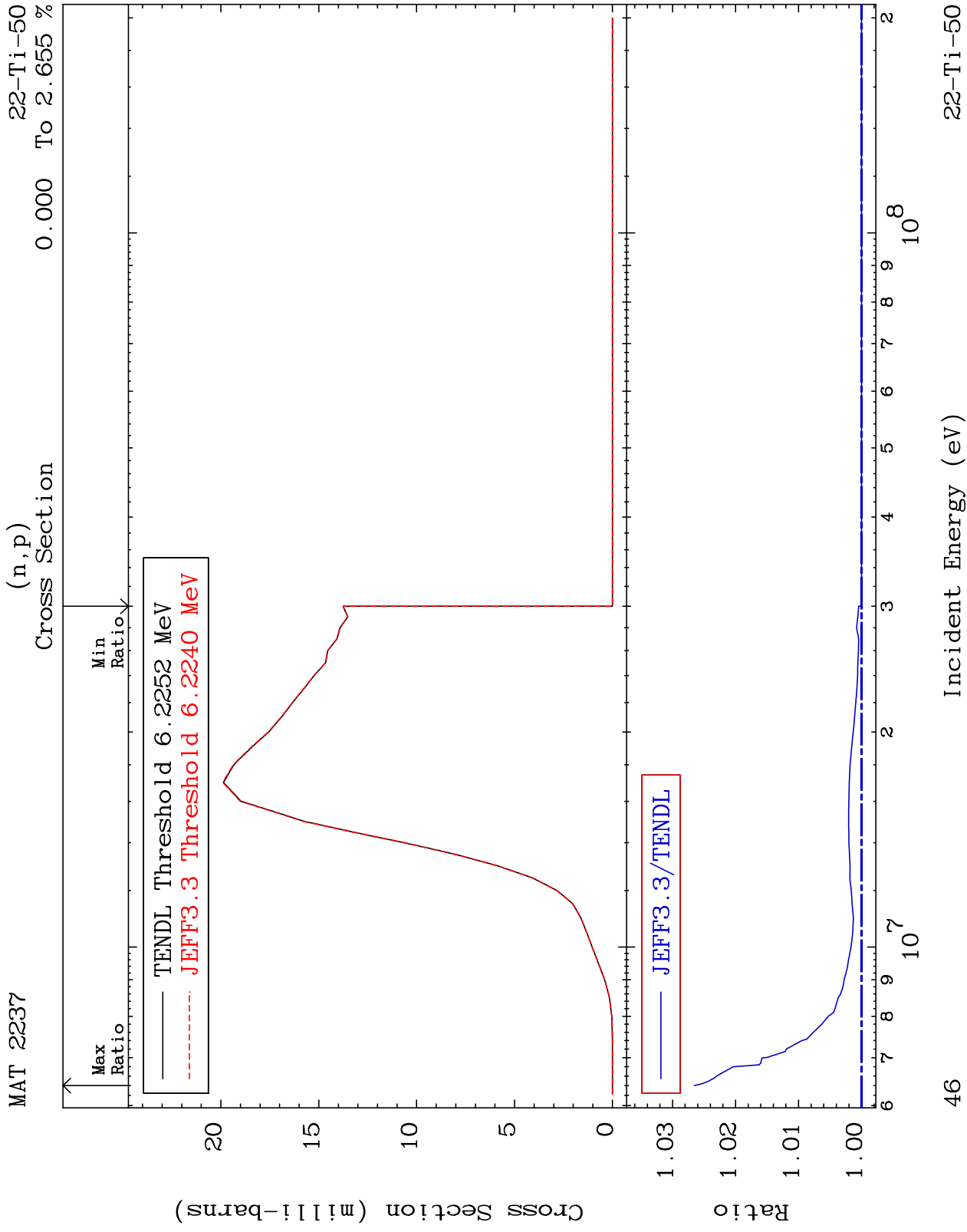
-100.0 To 9999. %



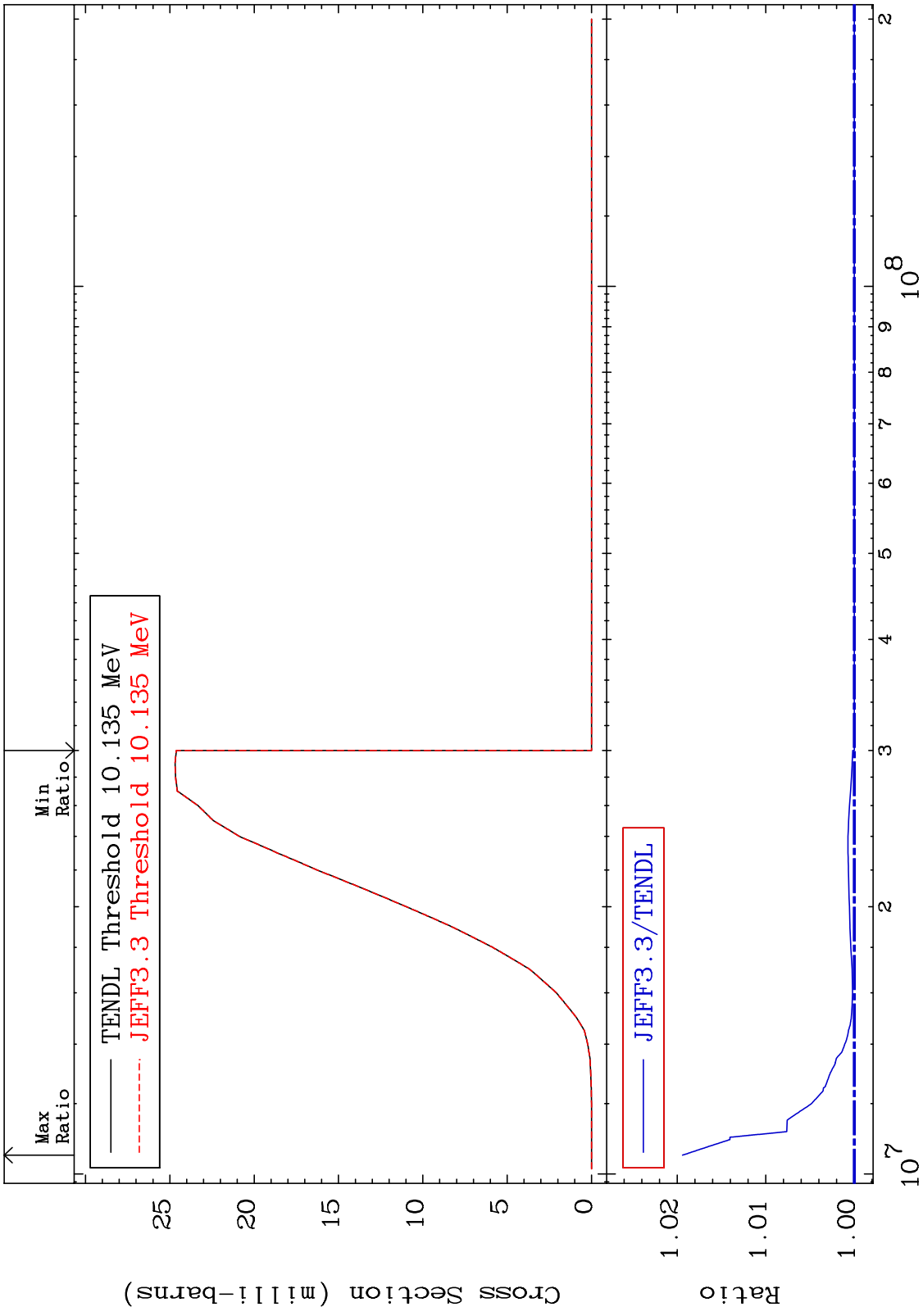
45

Incident Energy (eV)

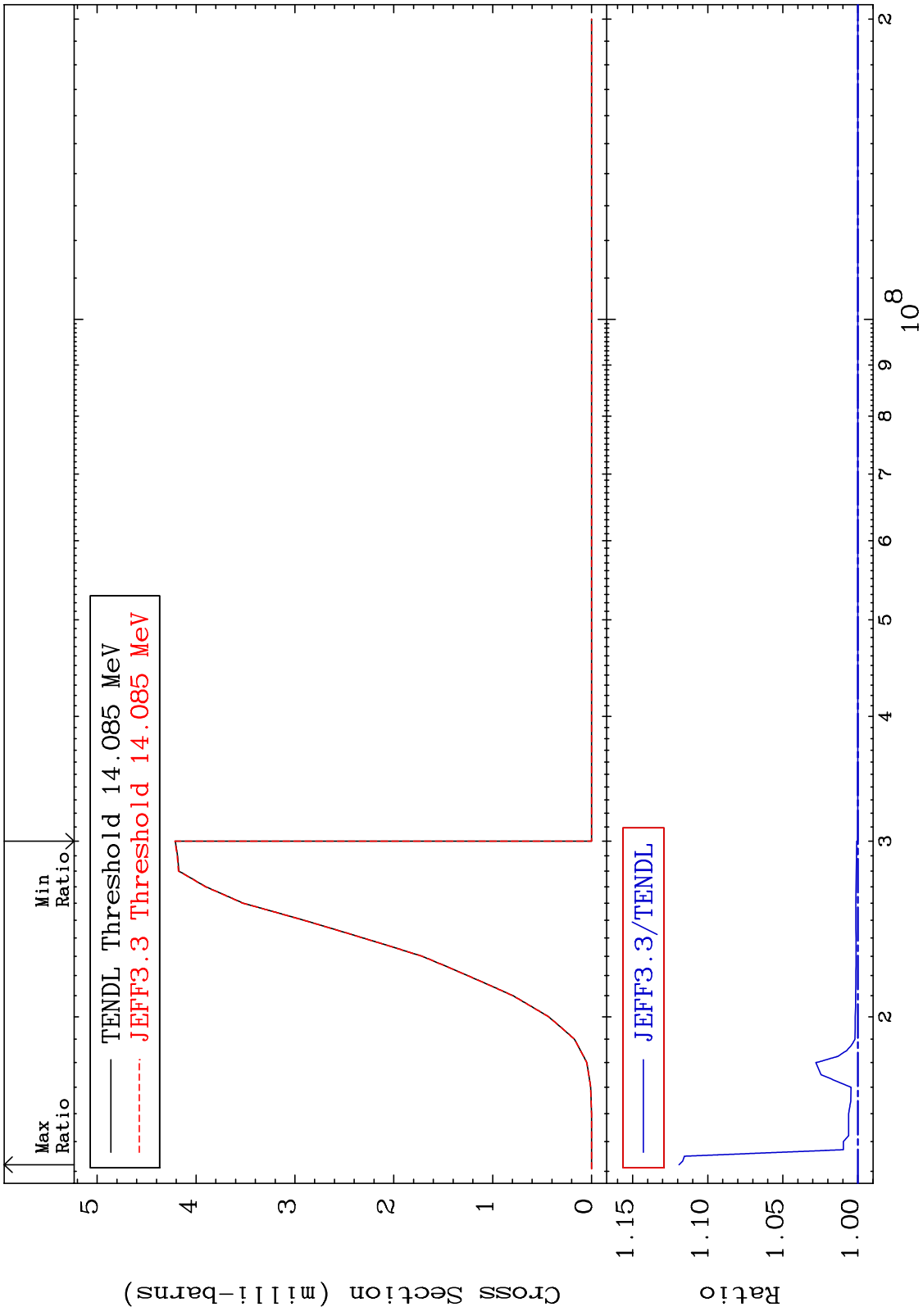
22-Ti-50



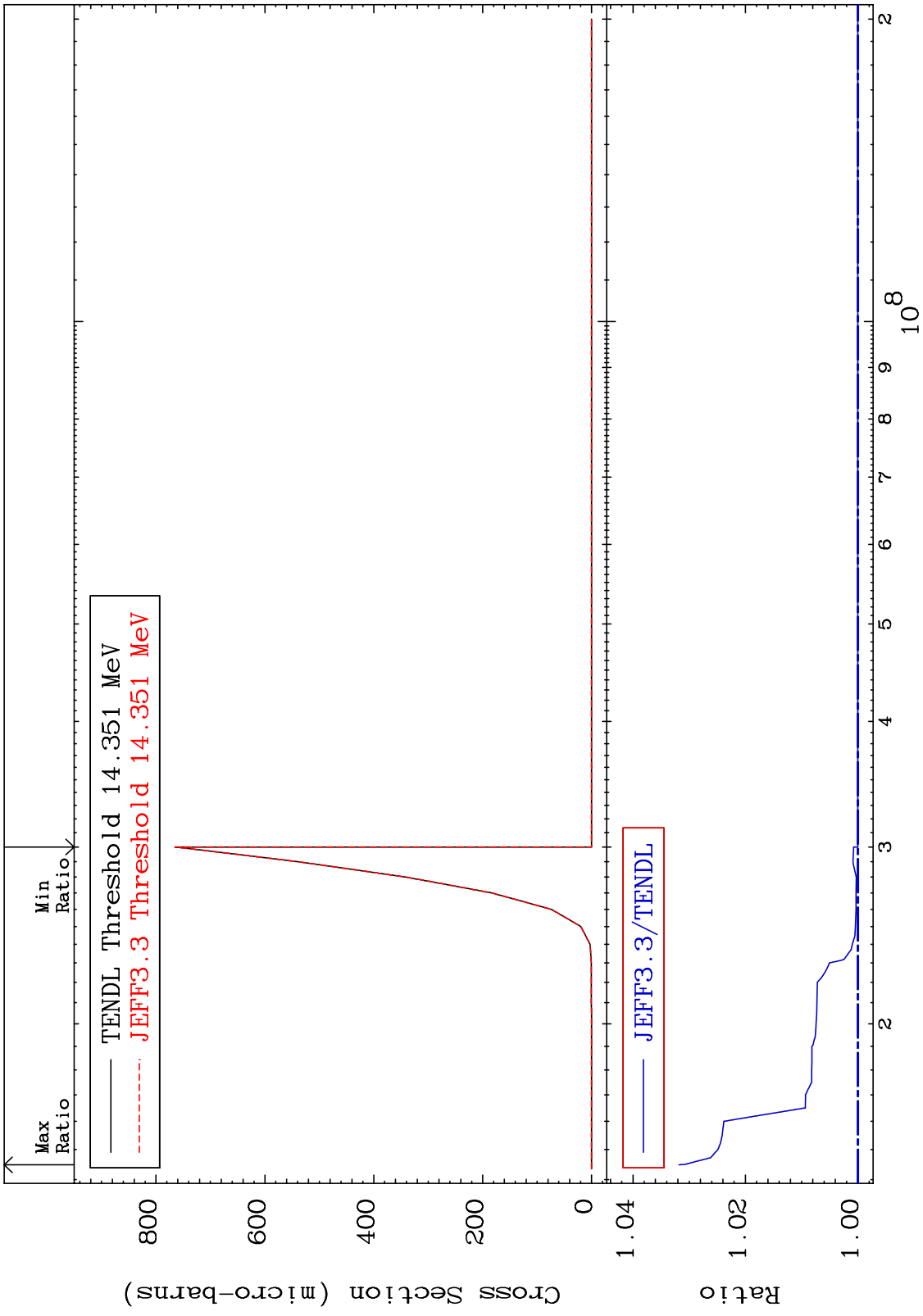
MAT 2237 (n,d) Cross Section 22-Ti-50 To 1.940 %



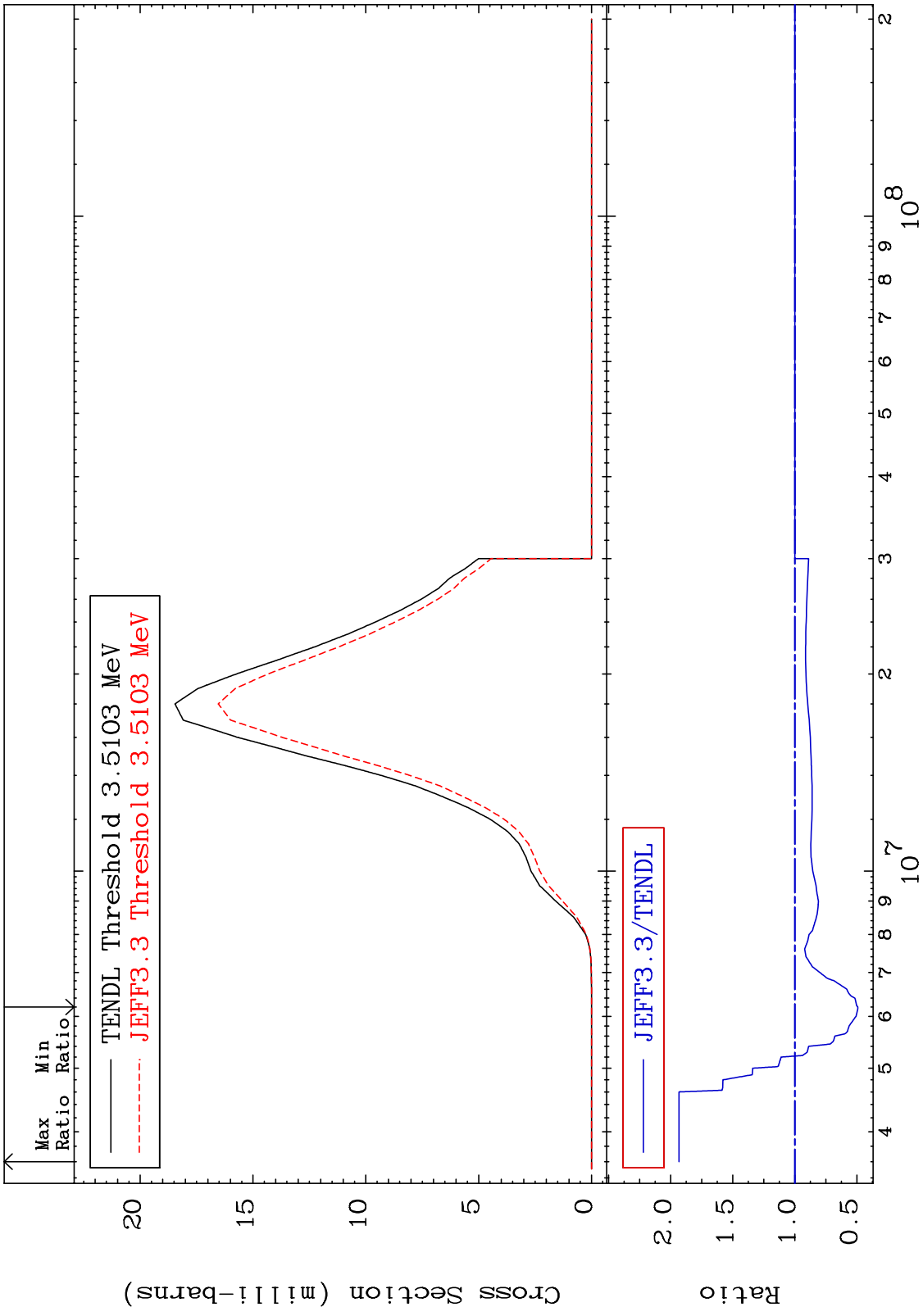
MAT 2237 (n,t) Cross Section 22-Ti-50 To 11.91 %



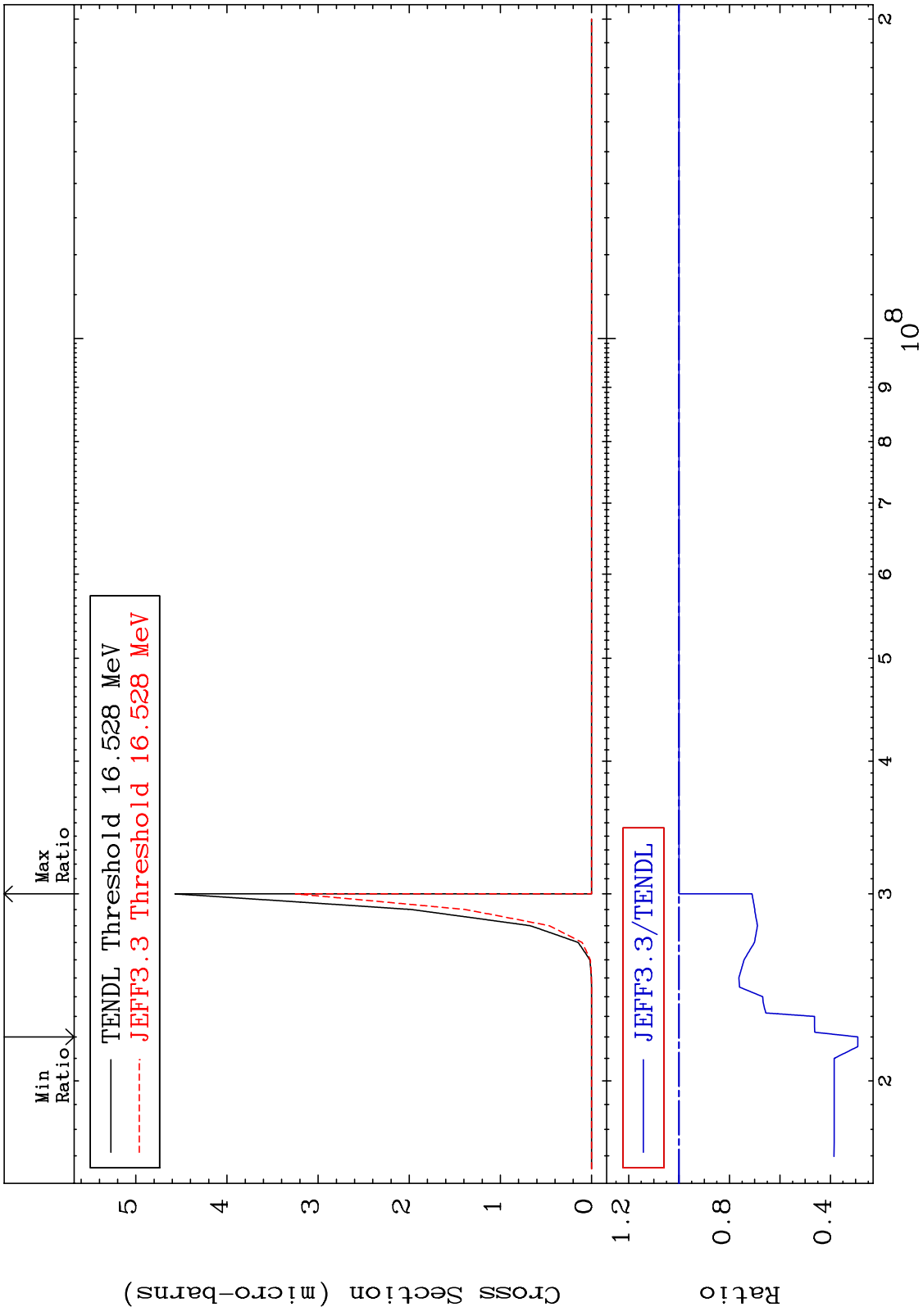
MAT 2237 (n, He-3) 22-Ti-50
 Cross Section 0.000 To 3.181 %



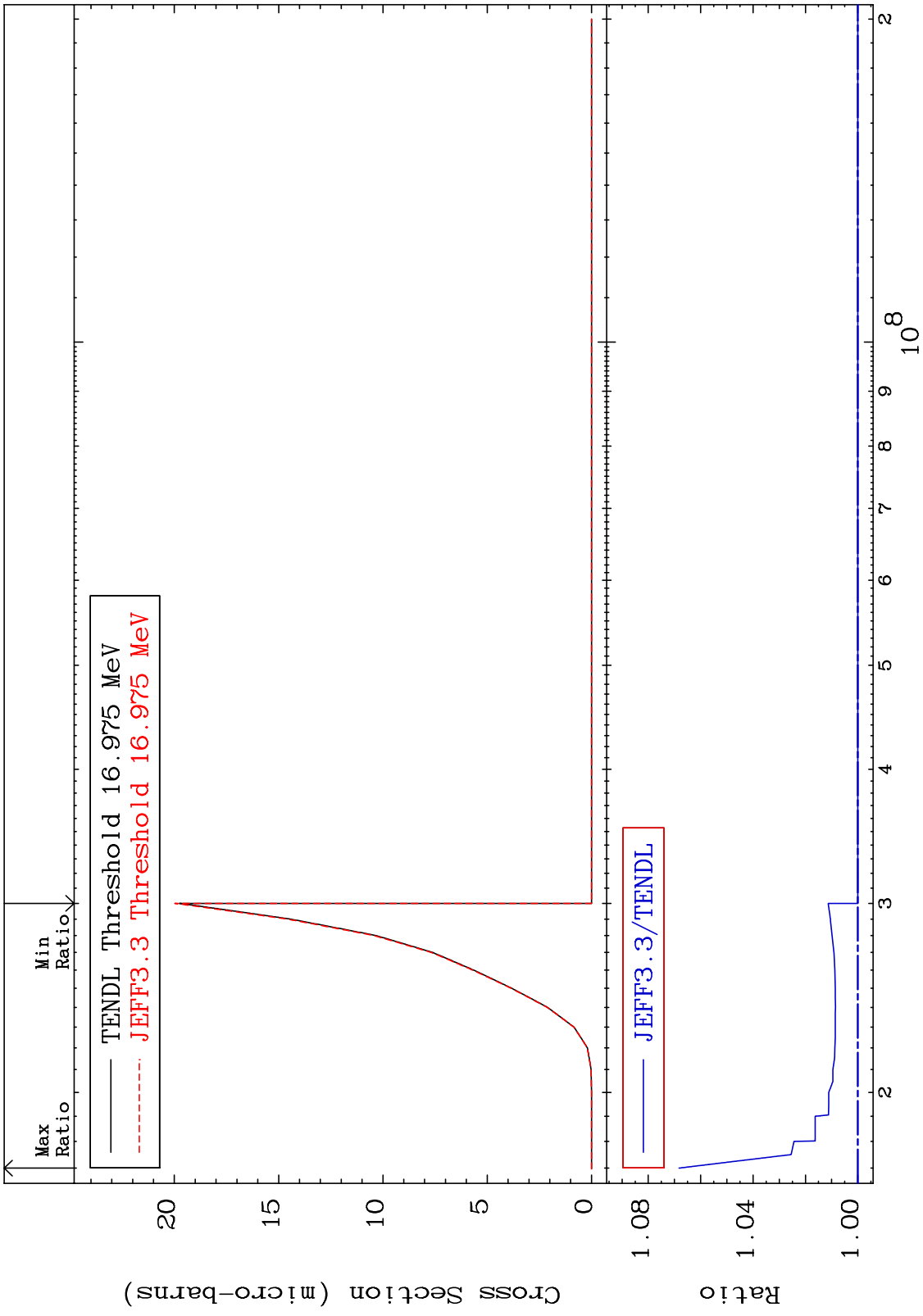
MAT 2237 (n,α) Cross Section 22-Ti-50
 -50.77 To 93.29 %



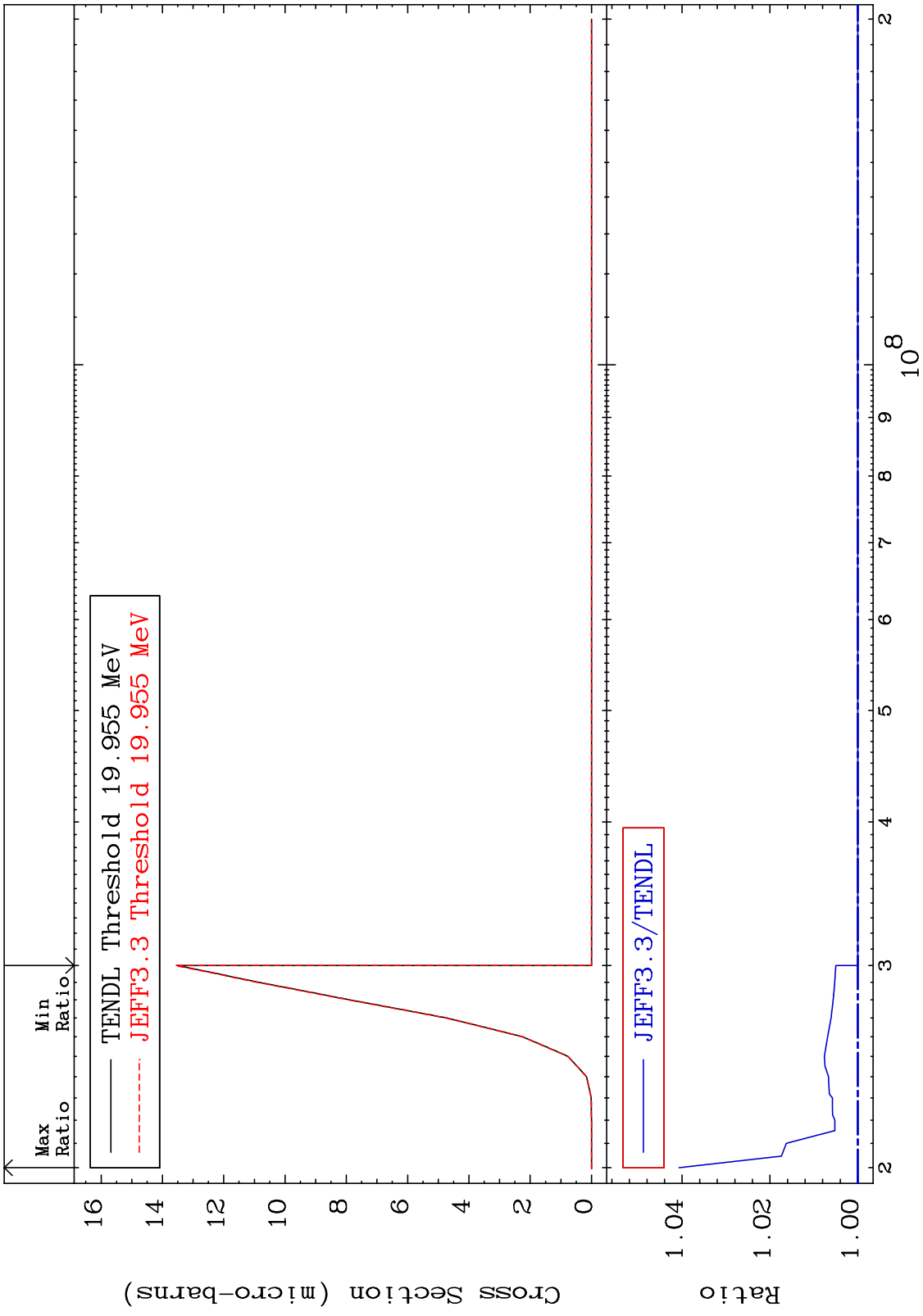
MAT 2237 $(n, 2\alpha)$ 22-Ti-50
 Cross Section -70.88 To 0.000 %



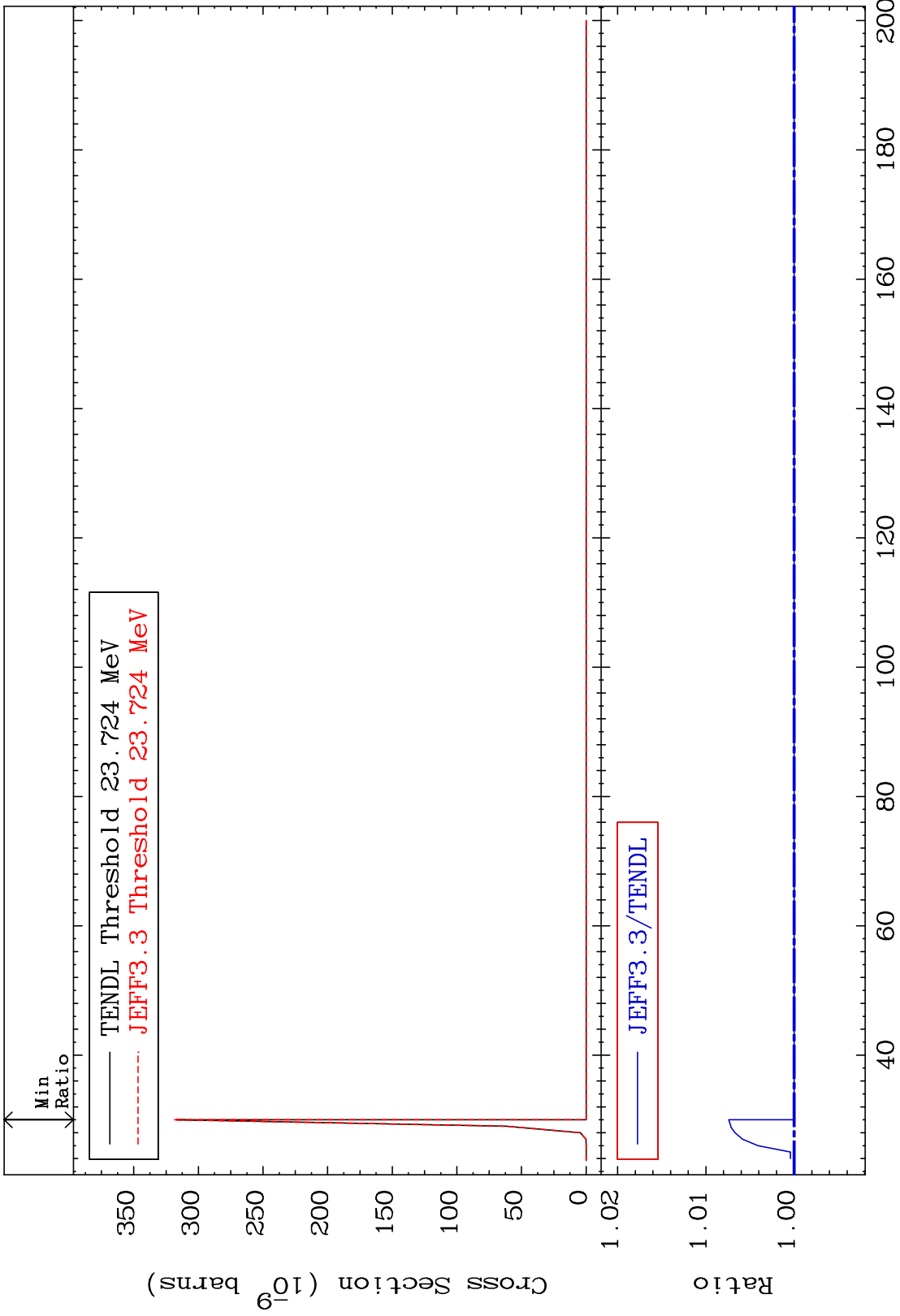
MAT 2237 (n,2p) Cross Section 22-Ti-50
 0.000 To 6.825 %



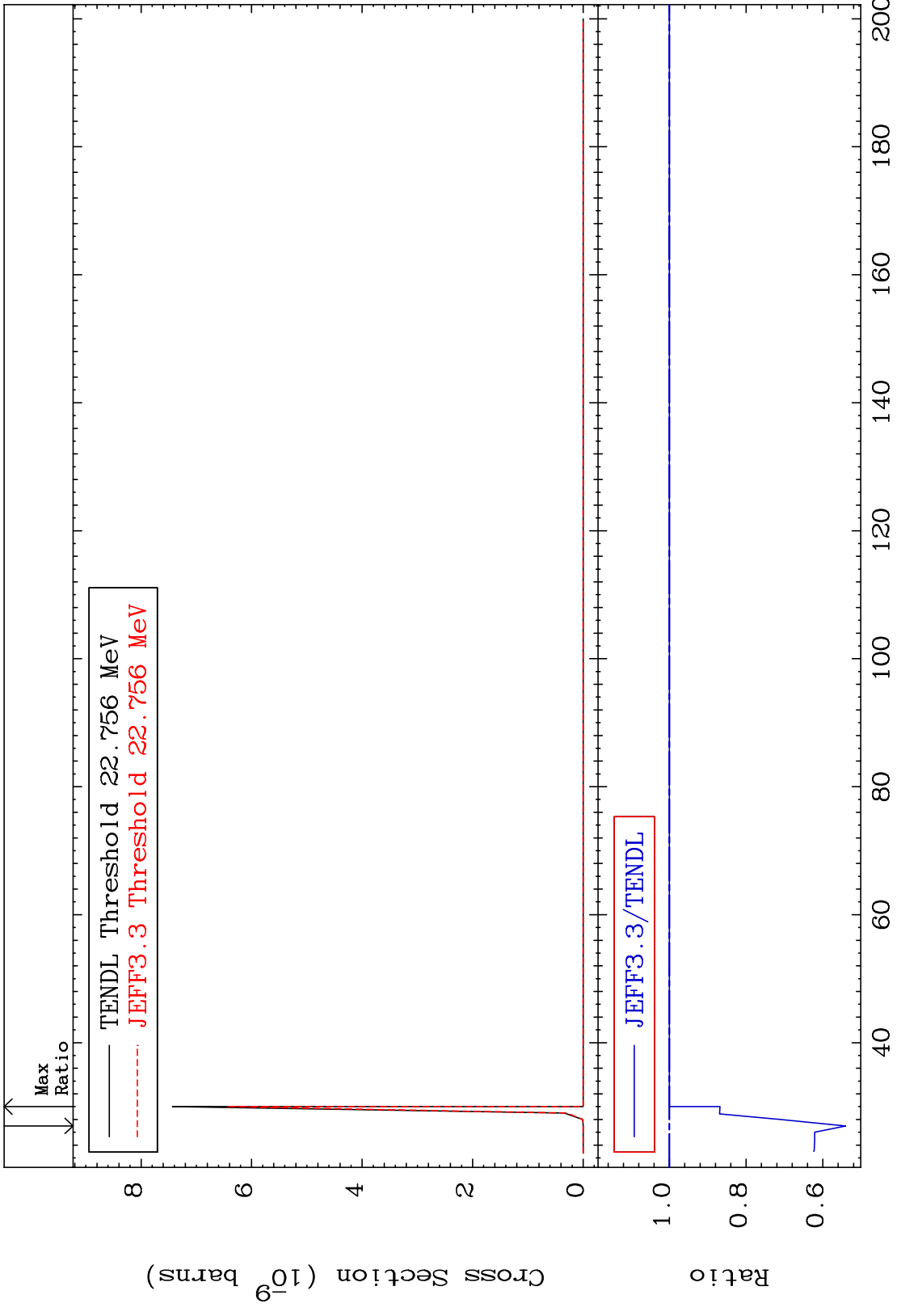
MAT 2237 (n,p) d 22-Ti-50
 Cross Section 0.000 To 4.070 %



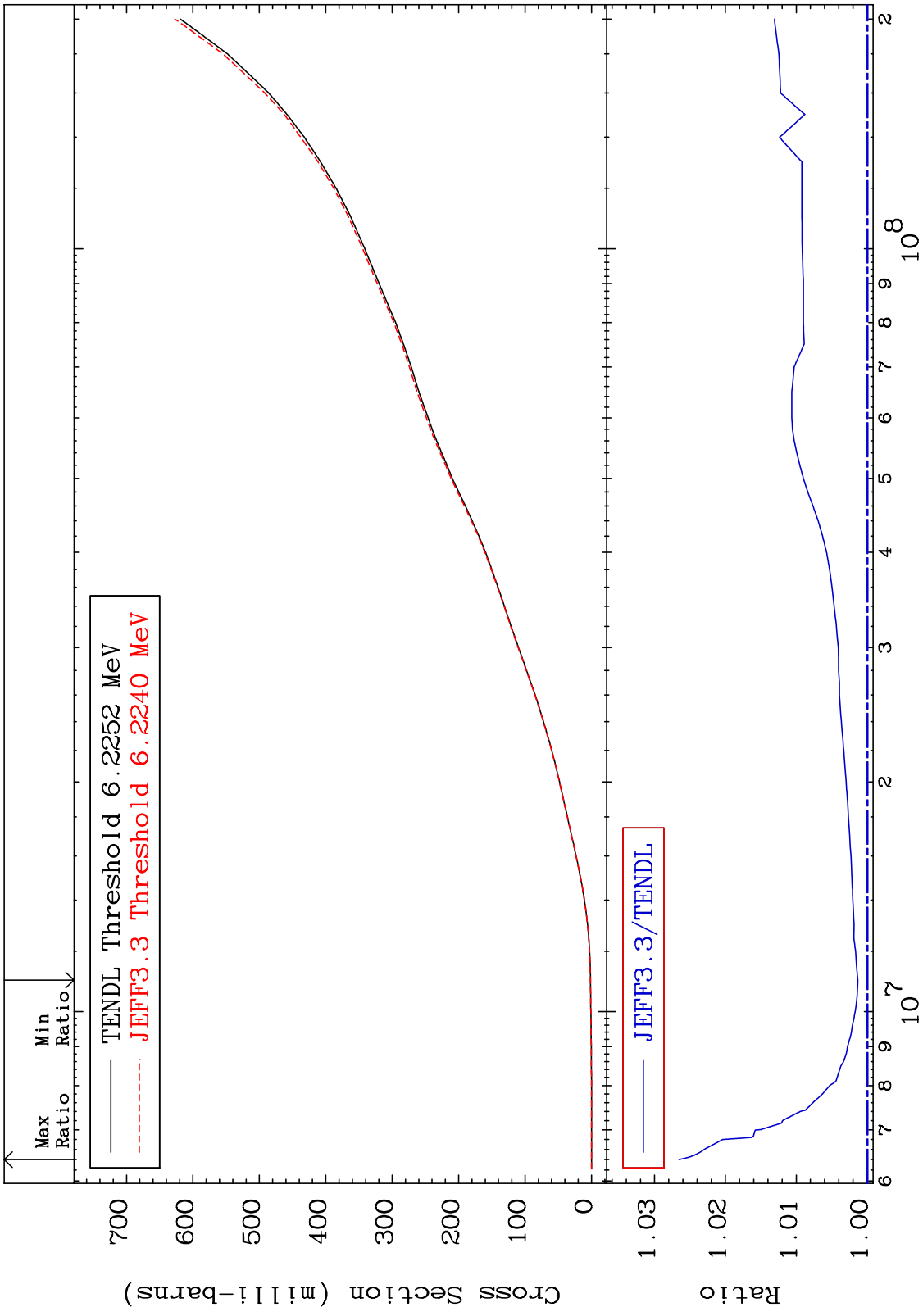
MAT 2237 (n,p) t 22-Ti-50
Cross Section 0.000 To 0.741 %



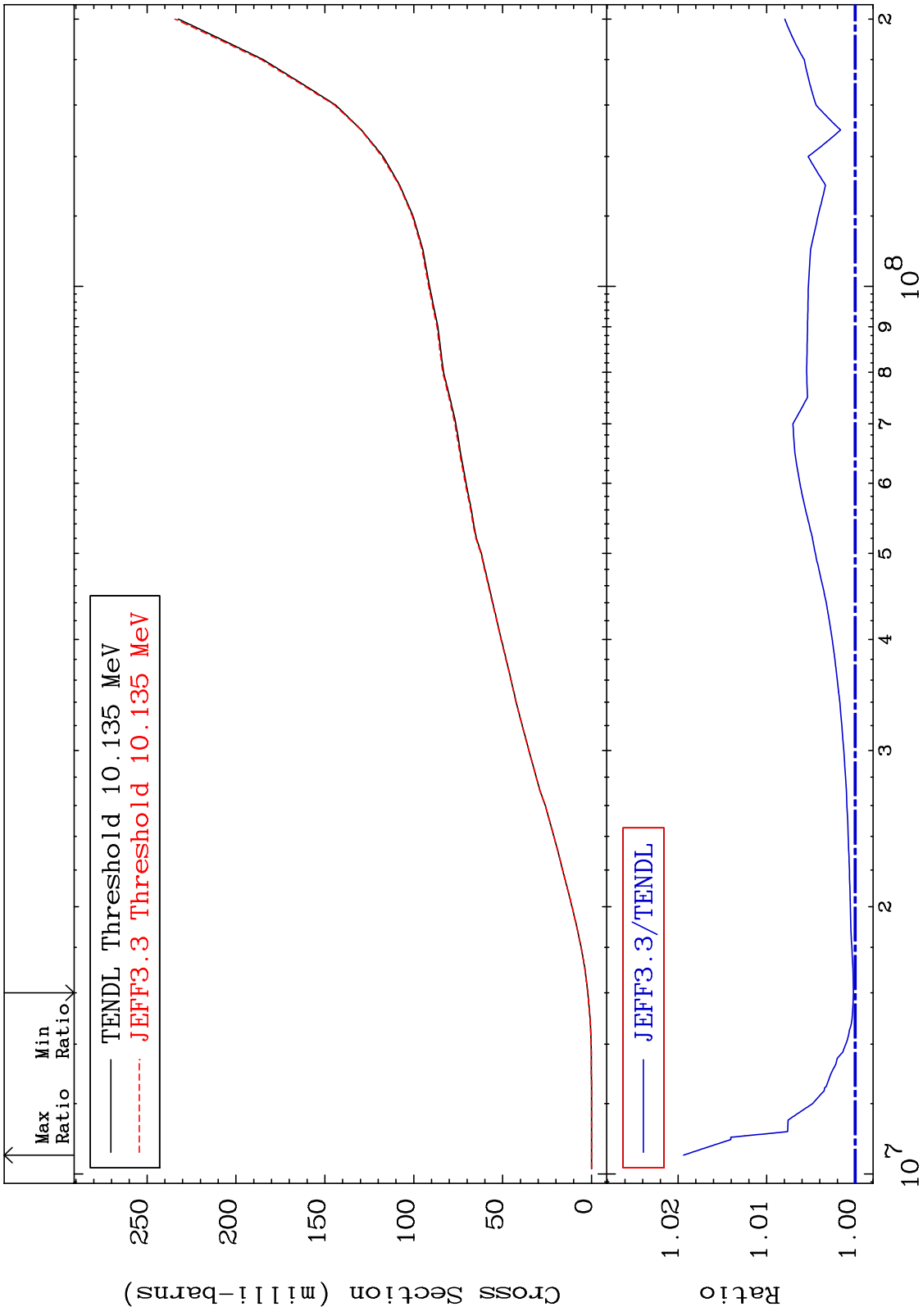
MAT 2237 (n,d) α 22-Ti-50
Cross Section -45.96 To 0.000 %



MAT 2237 Hydrogen Production Cross Section 22-Ti-50 0.131 To 2.655 %

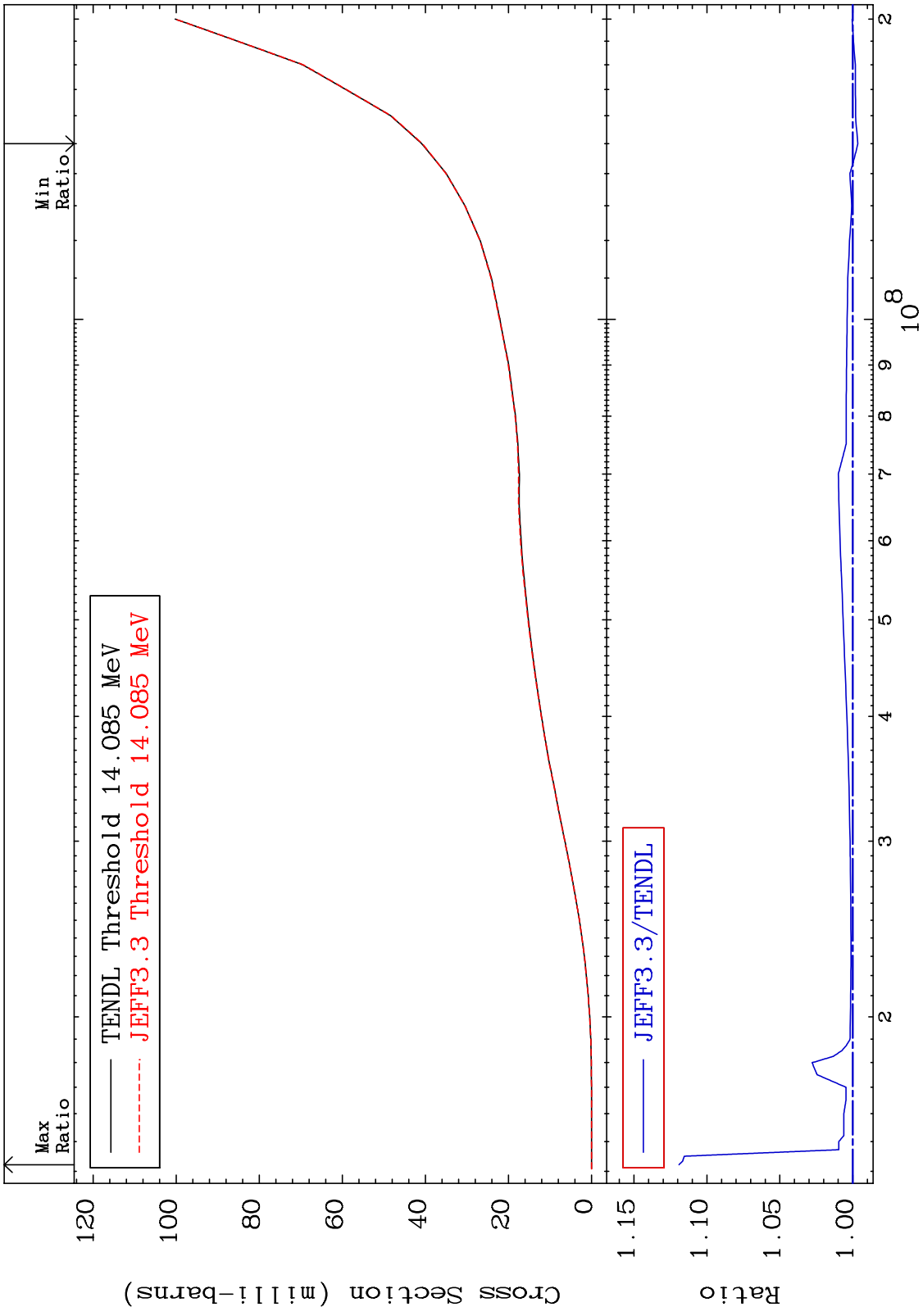


MAT 2237 Deuterium Production Cross Section 22-Ti-50 To 1.940 %



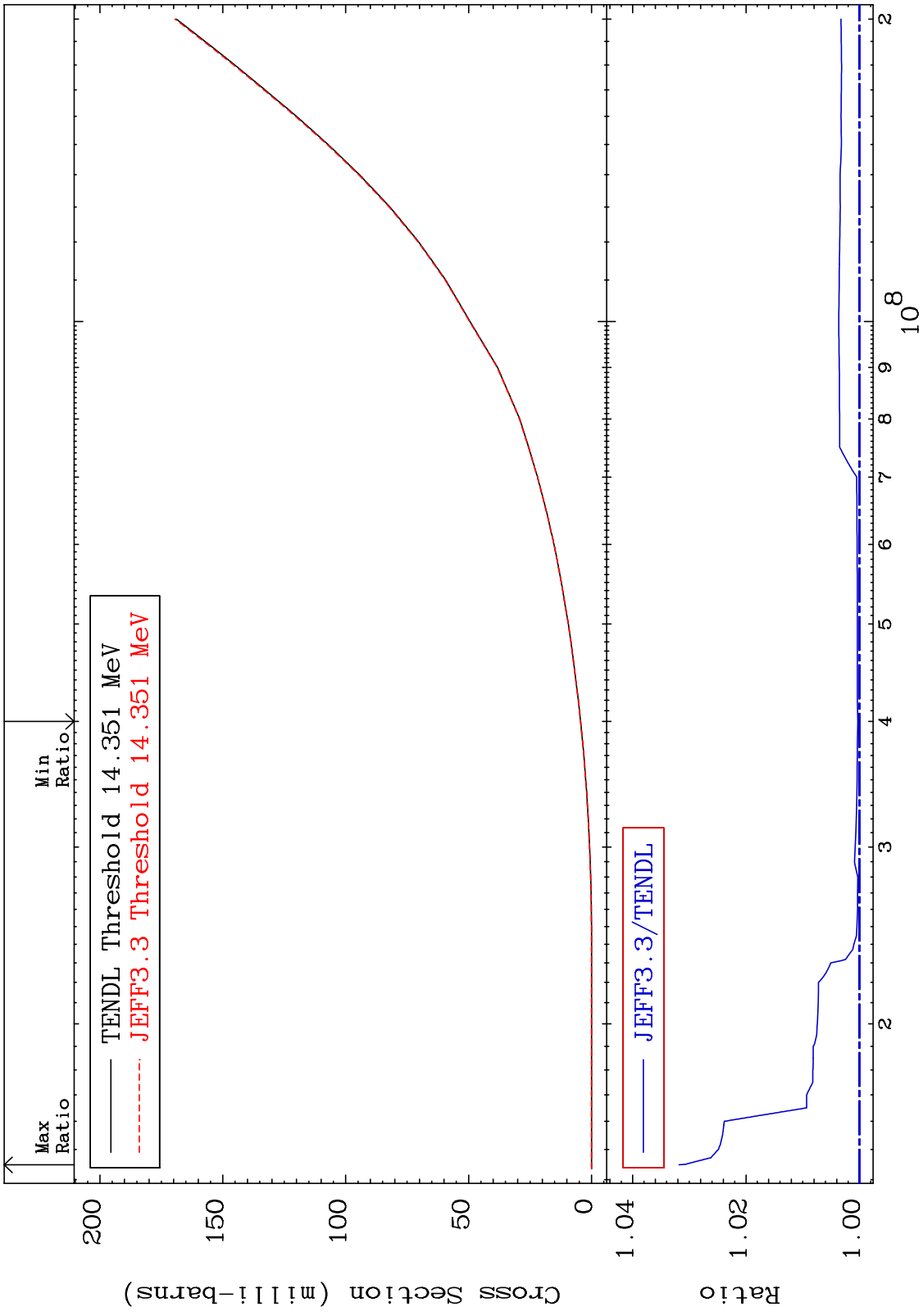
58 22-Ti-50

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



59 Incident Energy (eV) 22-Ti-50

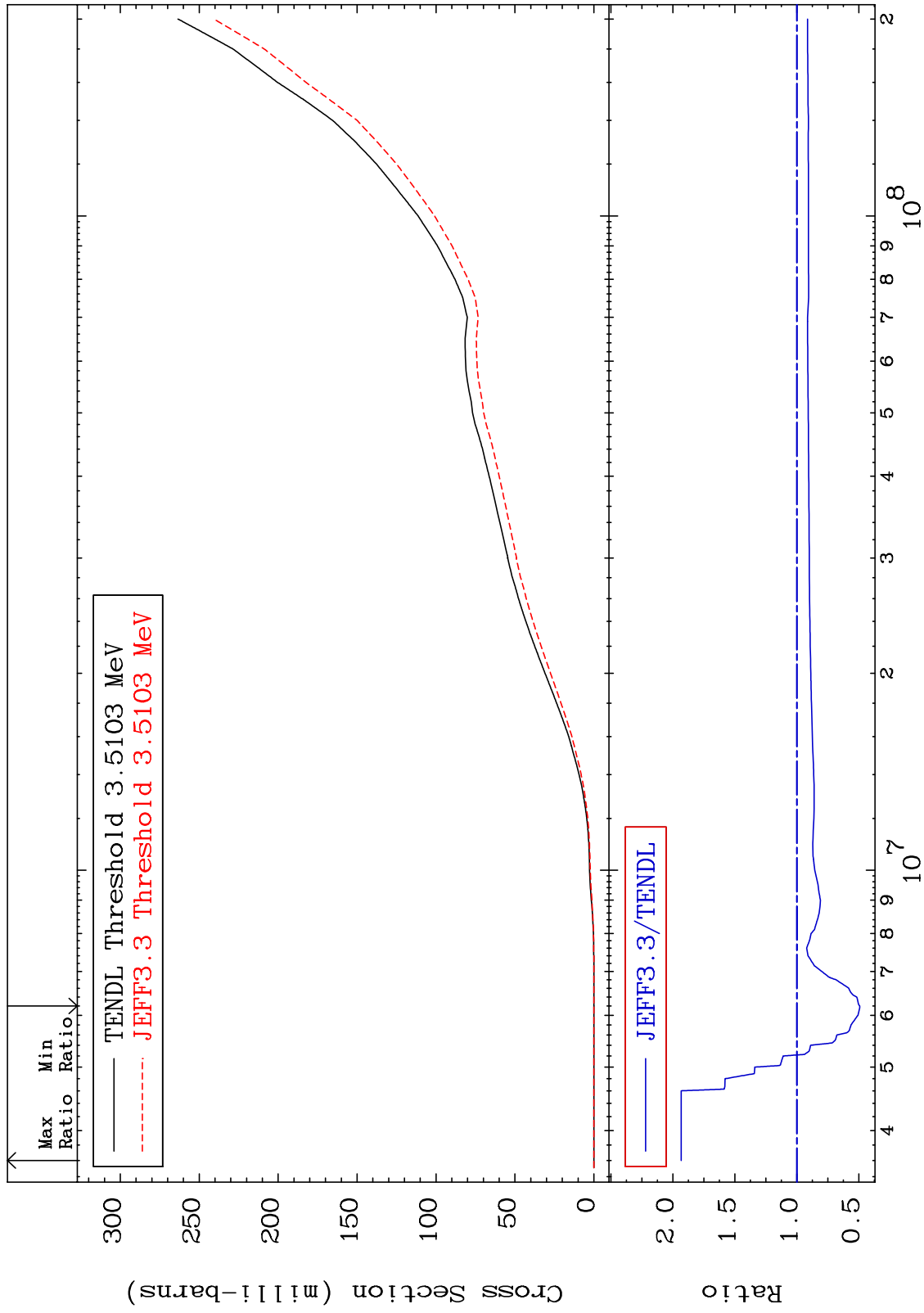
MAT 2237 He-3 Production Cross Section 22-Ti-50 To 3.181 %



MAT 2237

He-4 Production
Cross Section

22-Ti-50
-50.77 To 93.29 %



61

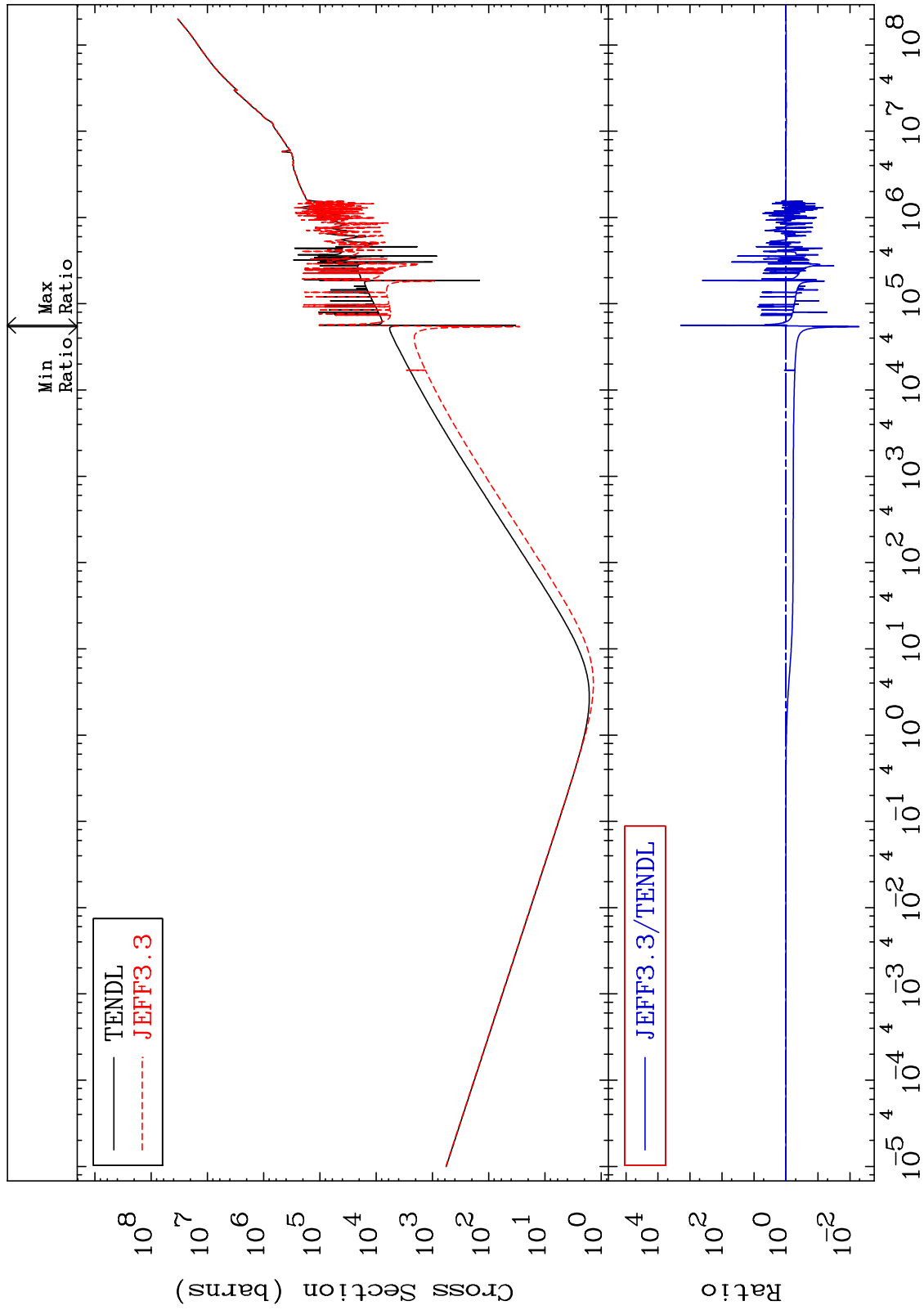
Incident Energy (eV)

22-Ti-50

MAT 2237

Kerma total (eV-barns)
Cross Section

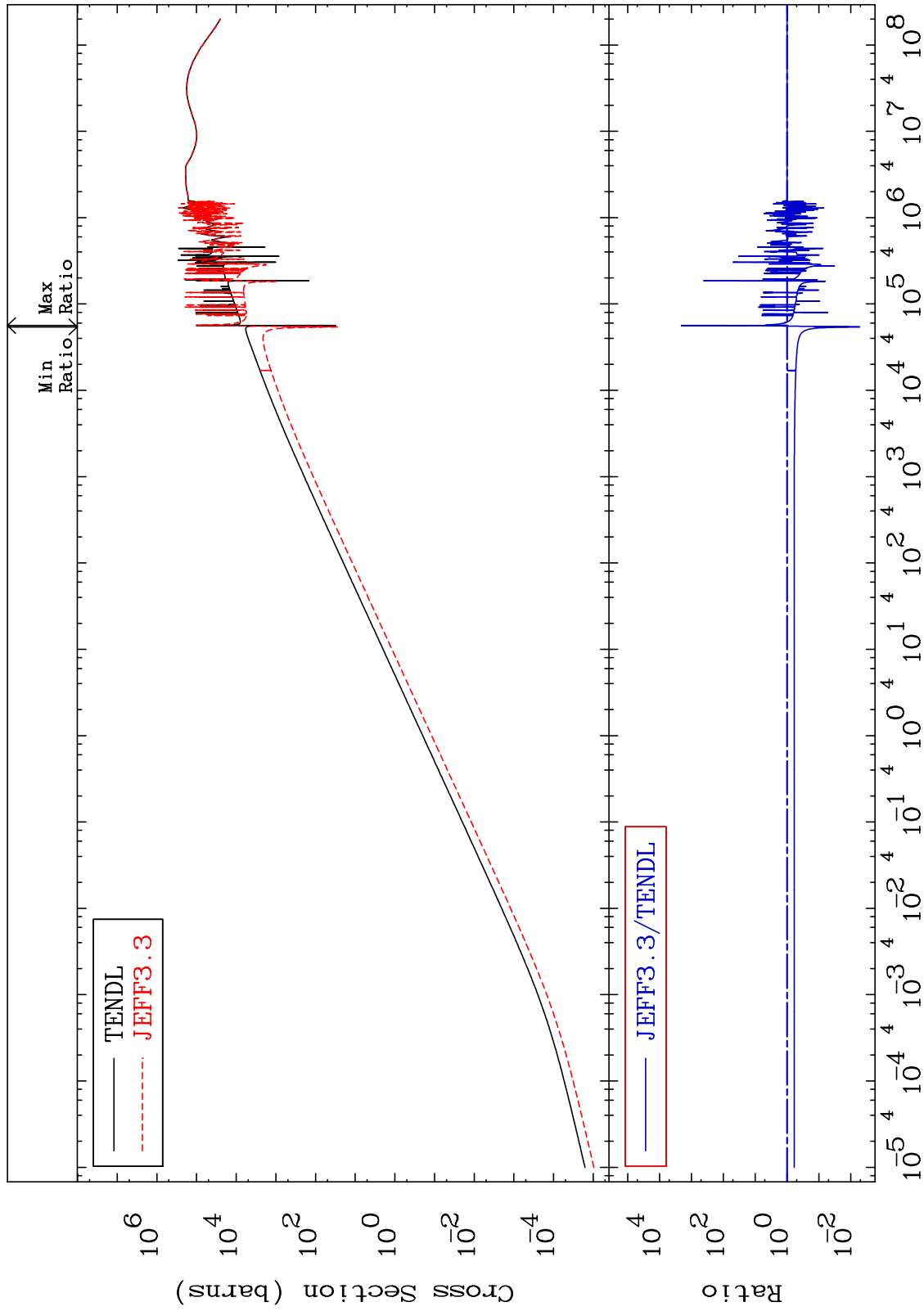
22-Ti-50
-99.48 To 9999. %



MAT 2237

Kerma elastic
Cross Section

22-Ti-50
-99.48 To 9999. %

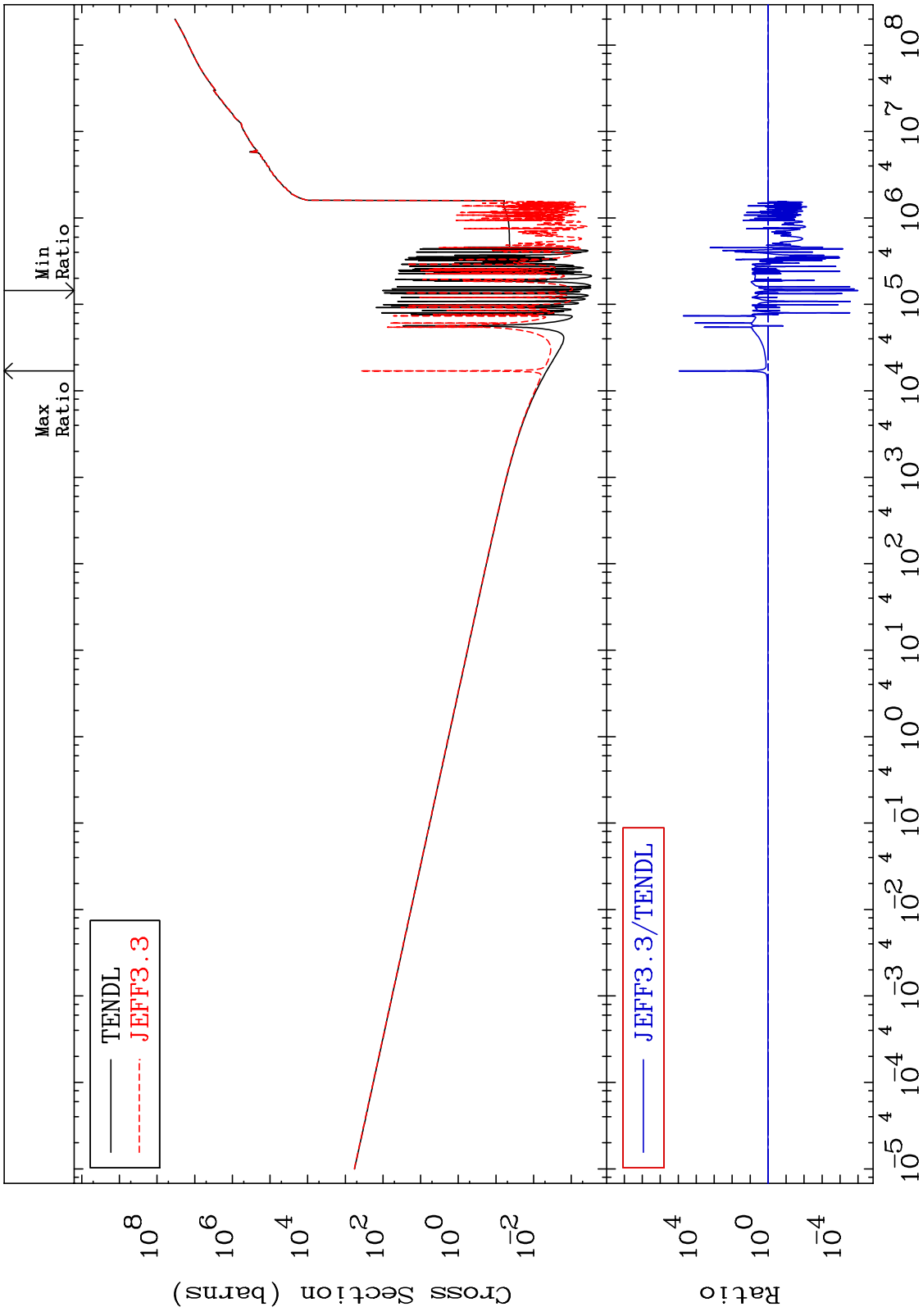


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Incident Energy (eV)

22-Ti-50

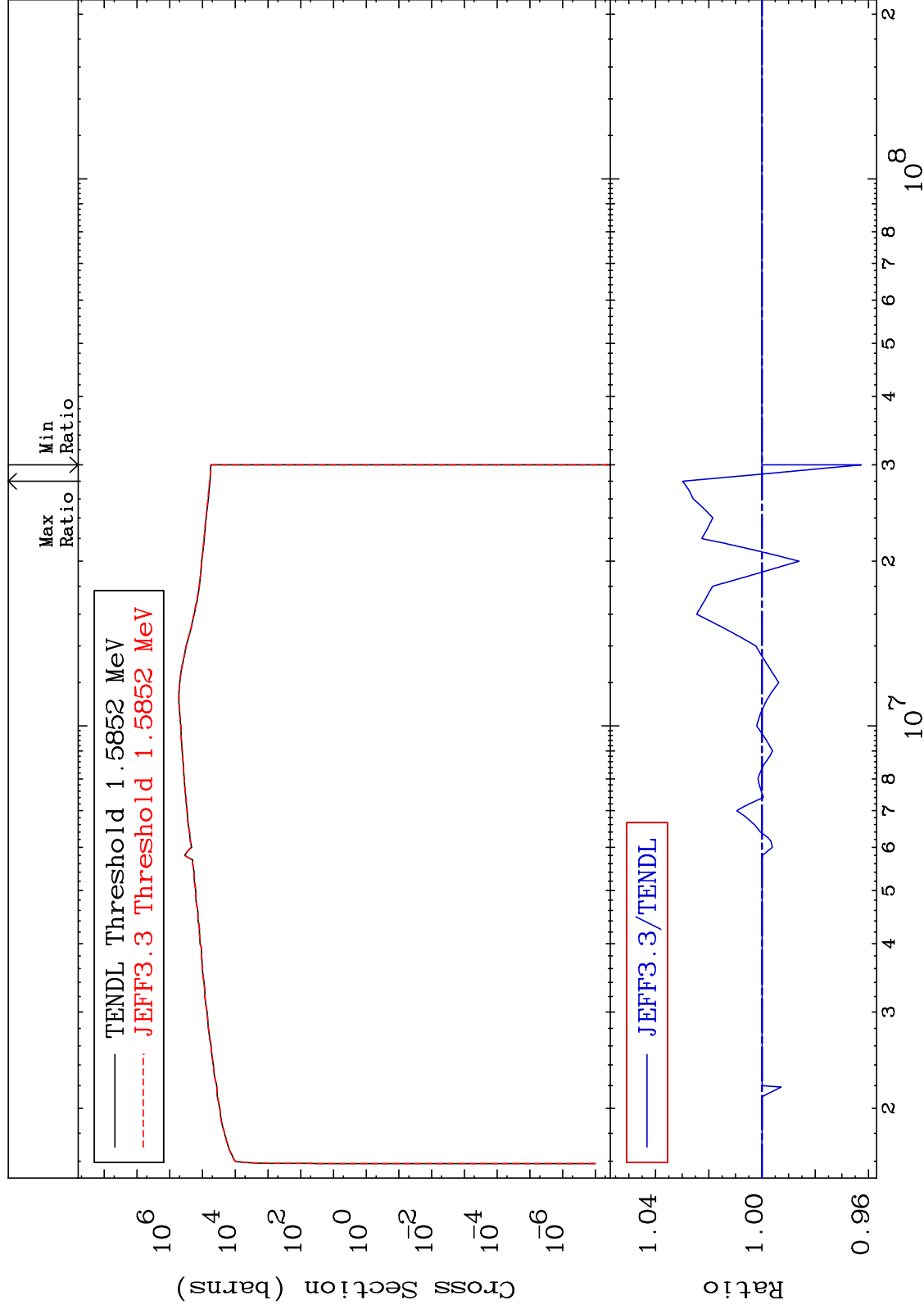
MAT 2237 Kerma non-elastic (all but mt2) 22-Ti-50
 Cross Section -100.0 To 9999. %



MAT 2237

Kerma inelastic (mt51-91)
Cross Section

22-Ti-50
-3.733 To 2.981 %



65

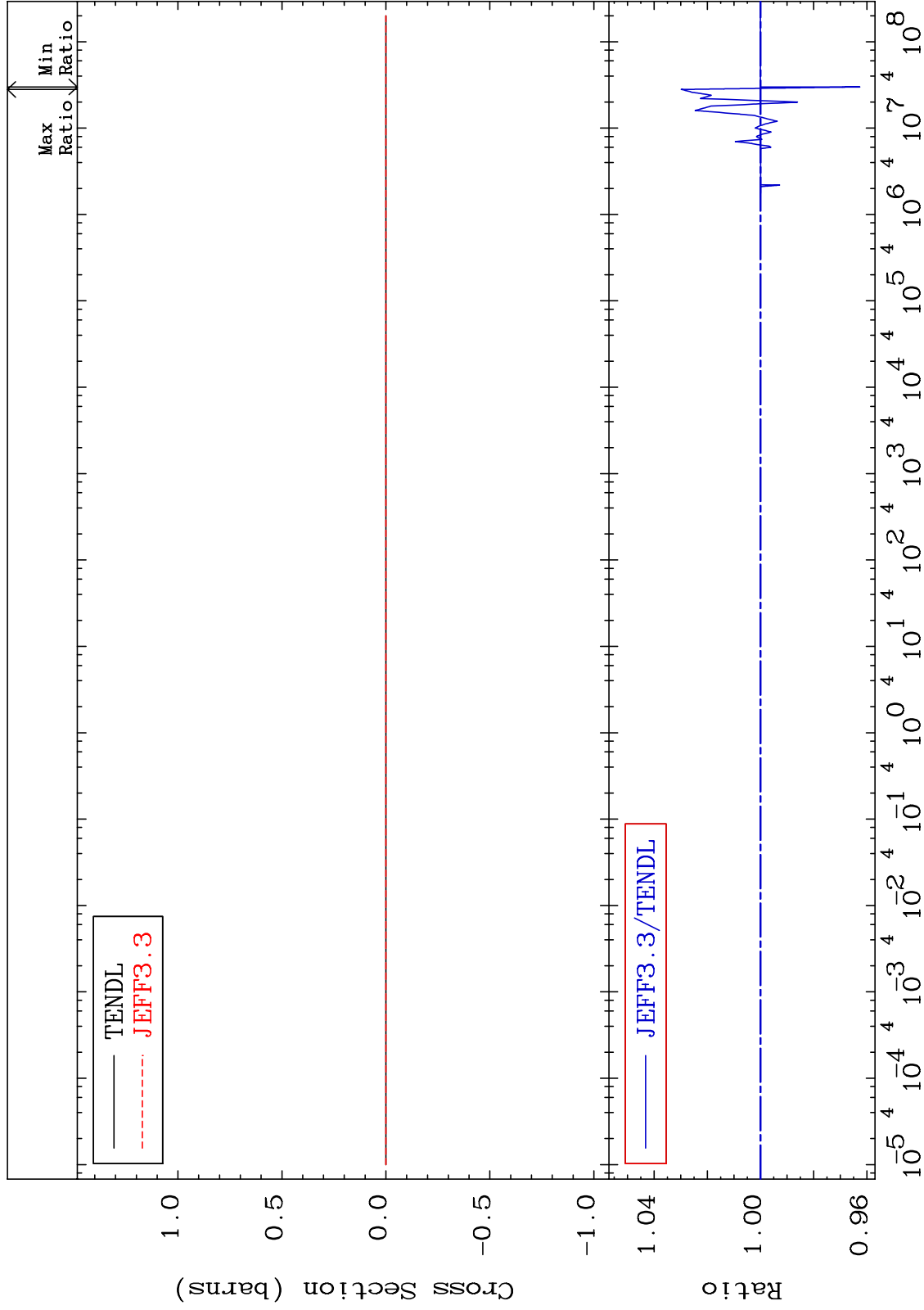
Incident Energy (eV)

22-Ti-50

MAT 2237

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

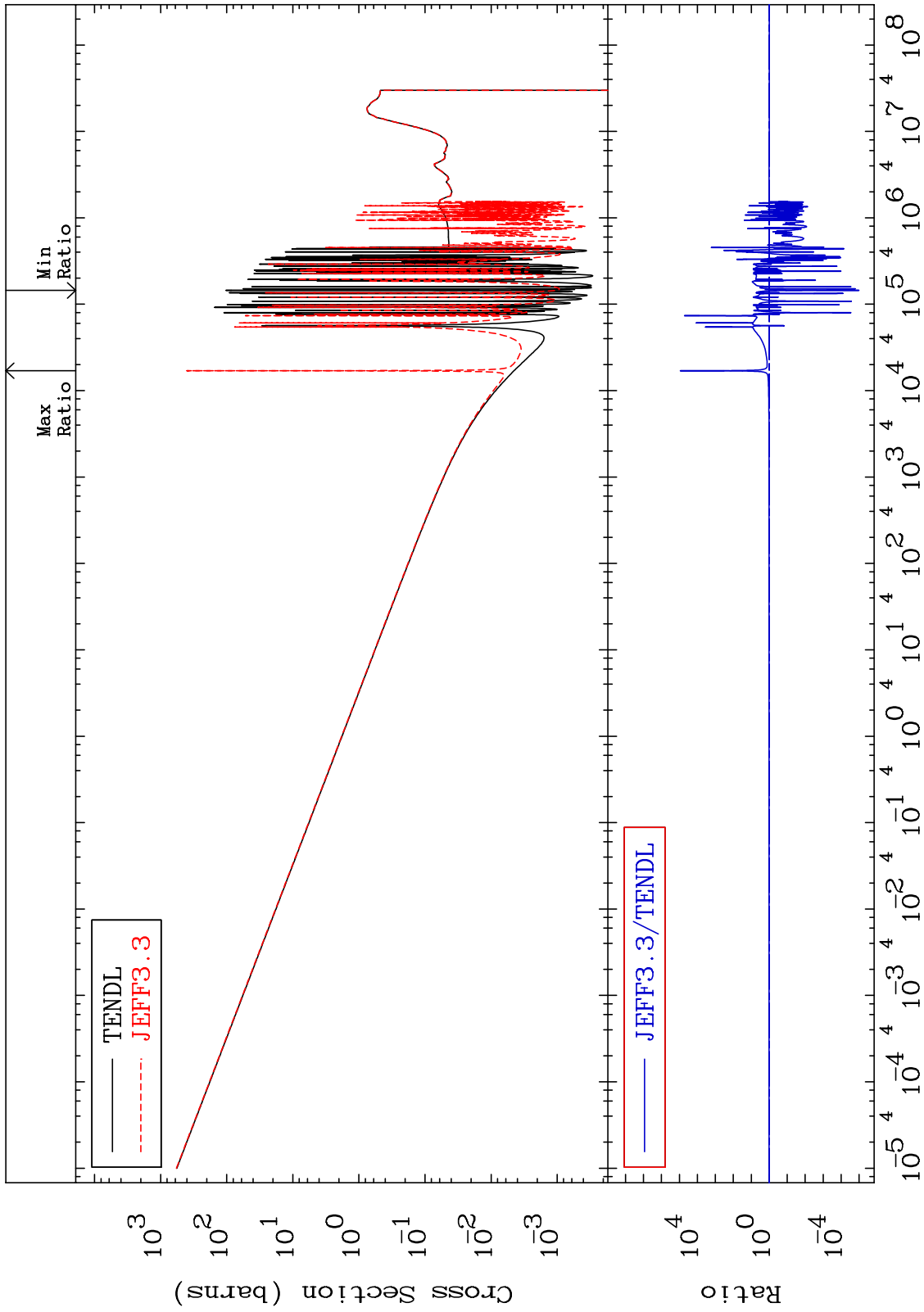
22-Ti-50
-3.733 To 2.981 %



MAT 2237

Kerma capture (mt102)
Cross Section

22-Ti-50
-100.0 To 9999. %



67

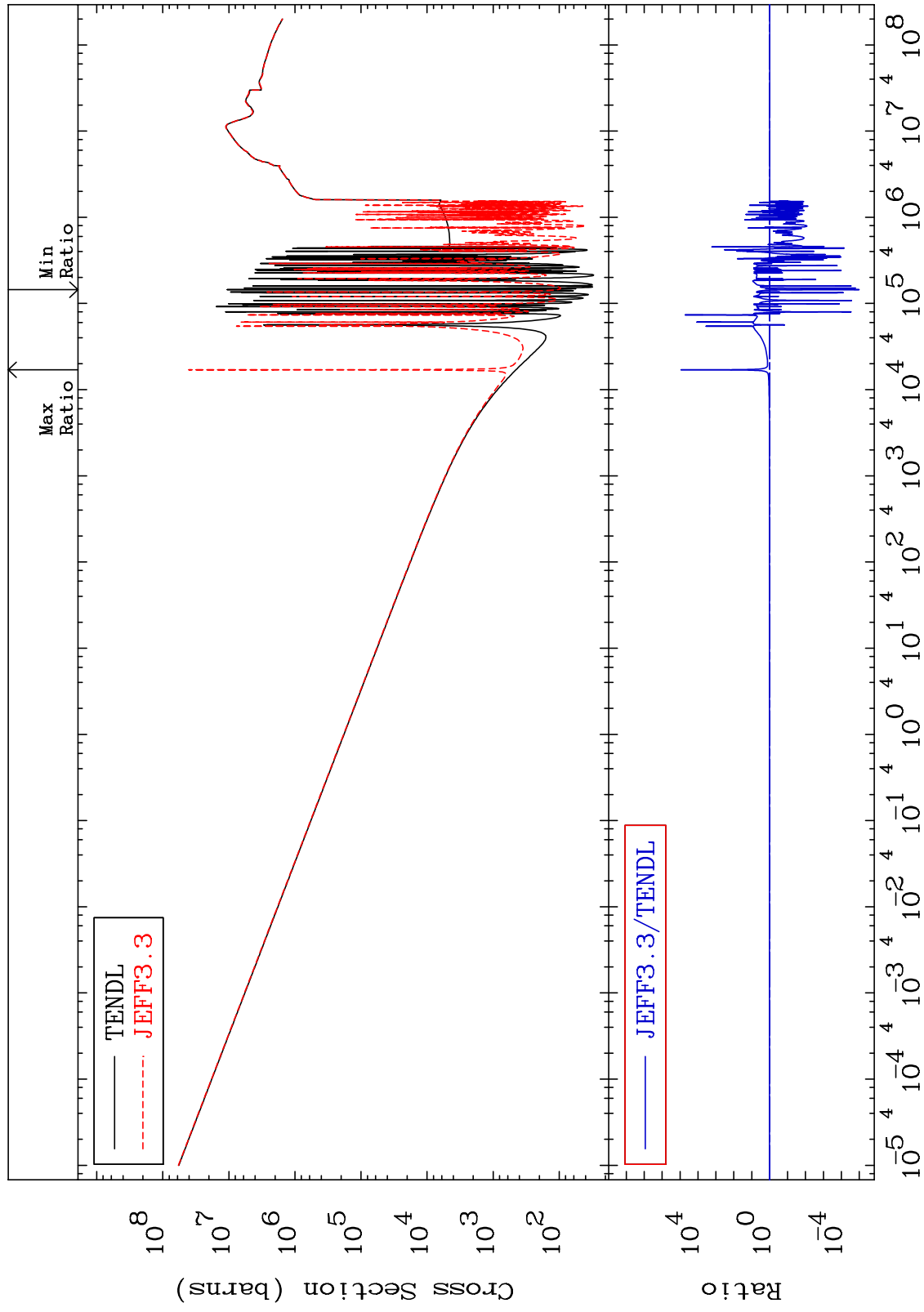
Incident Energy (eV)

22-Ti-50

MAT 2237

Total photon (eV-barns)
Cross Section

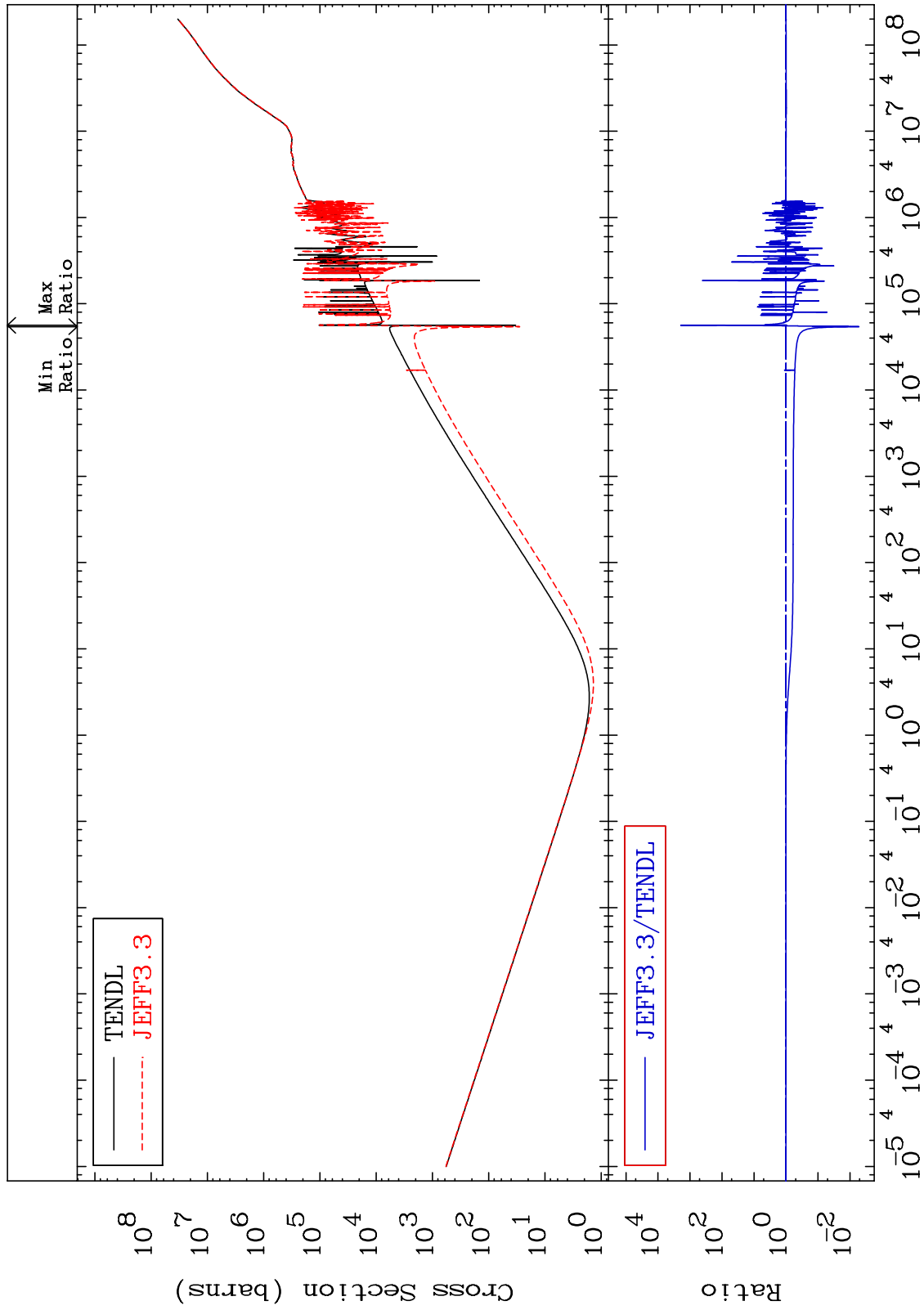
22-Ti-50
-100.0 To 9999. %



MAT 2237

Total kinematic kerma (high limit)
Cross Section

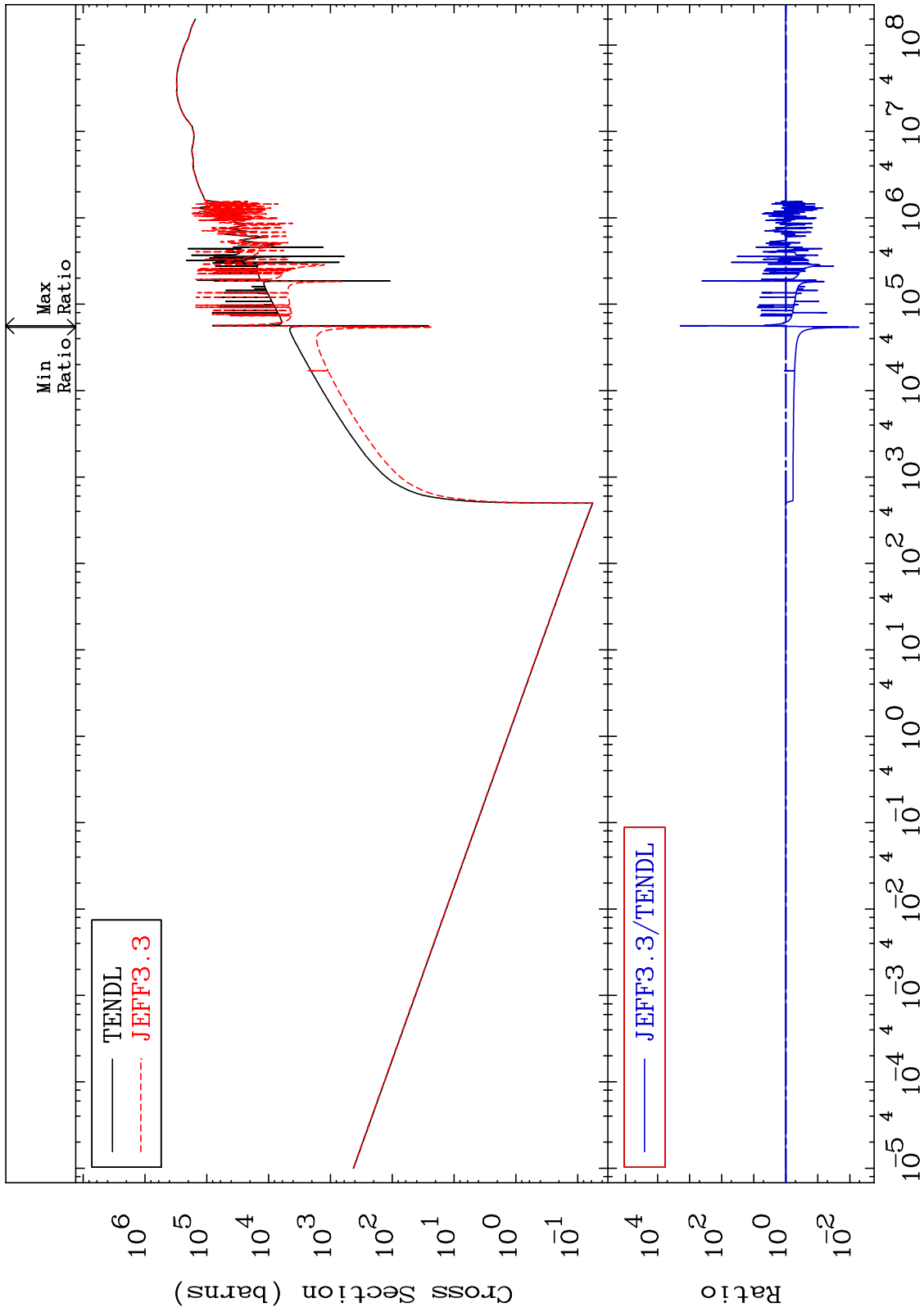
22-Ti-50
-99.48 To 9999. %



MAT 2237

Dpa total (eV-barns)
Cross Section

22-Ti-50
-99.48 To 9999. %



70

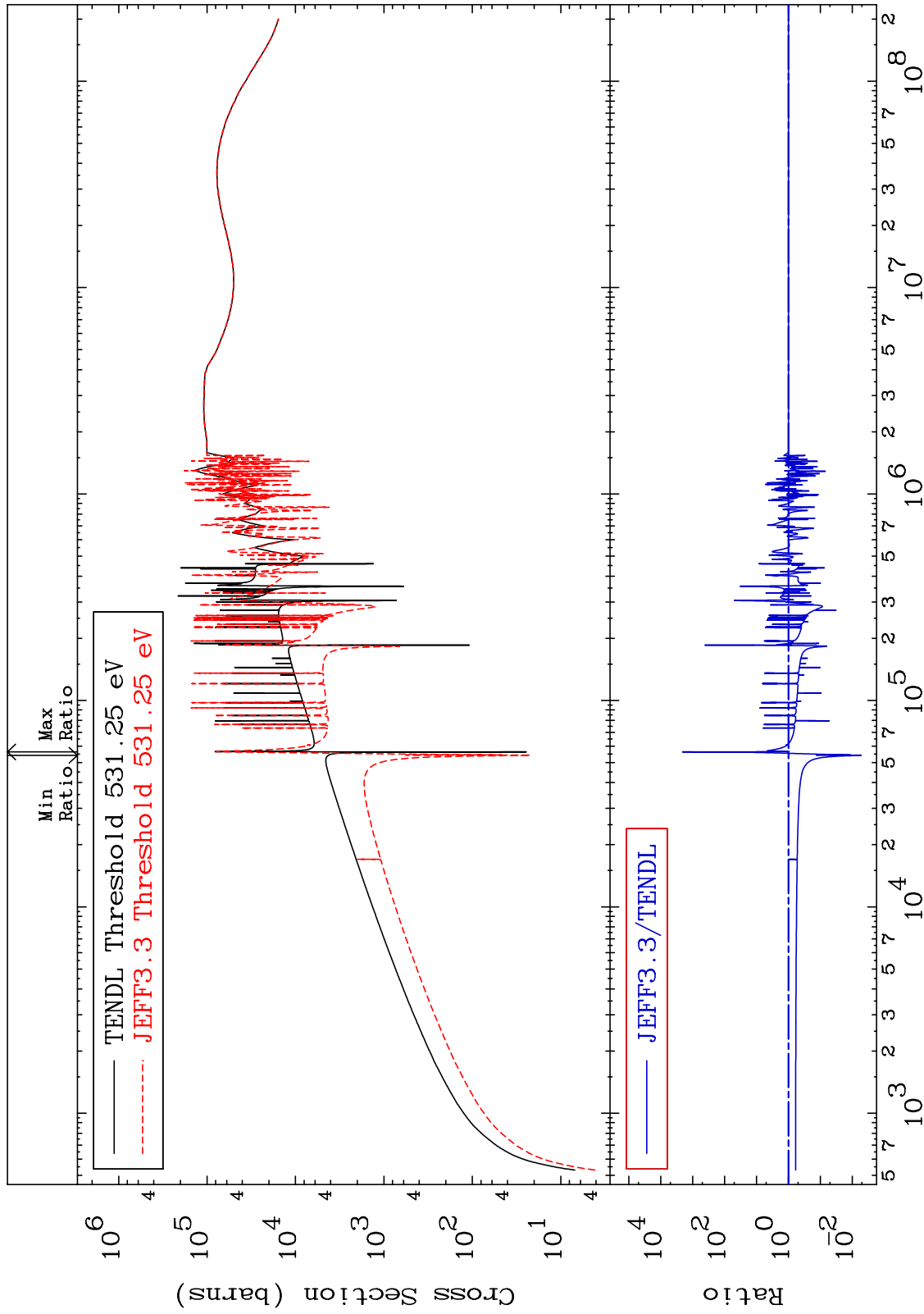
Incident Energy (eV)

22-Ti-50

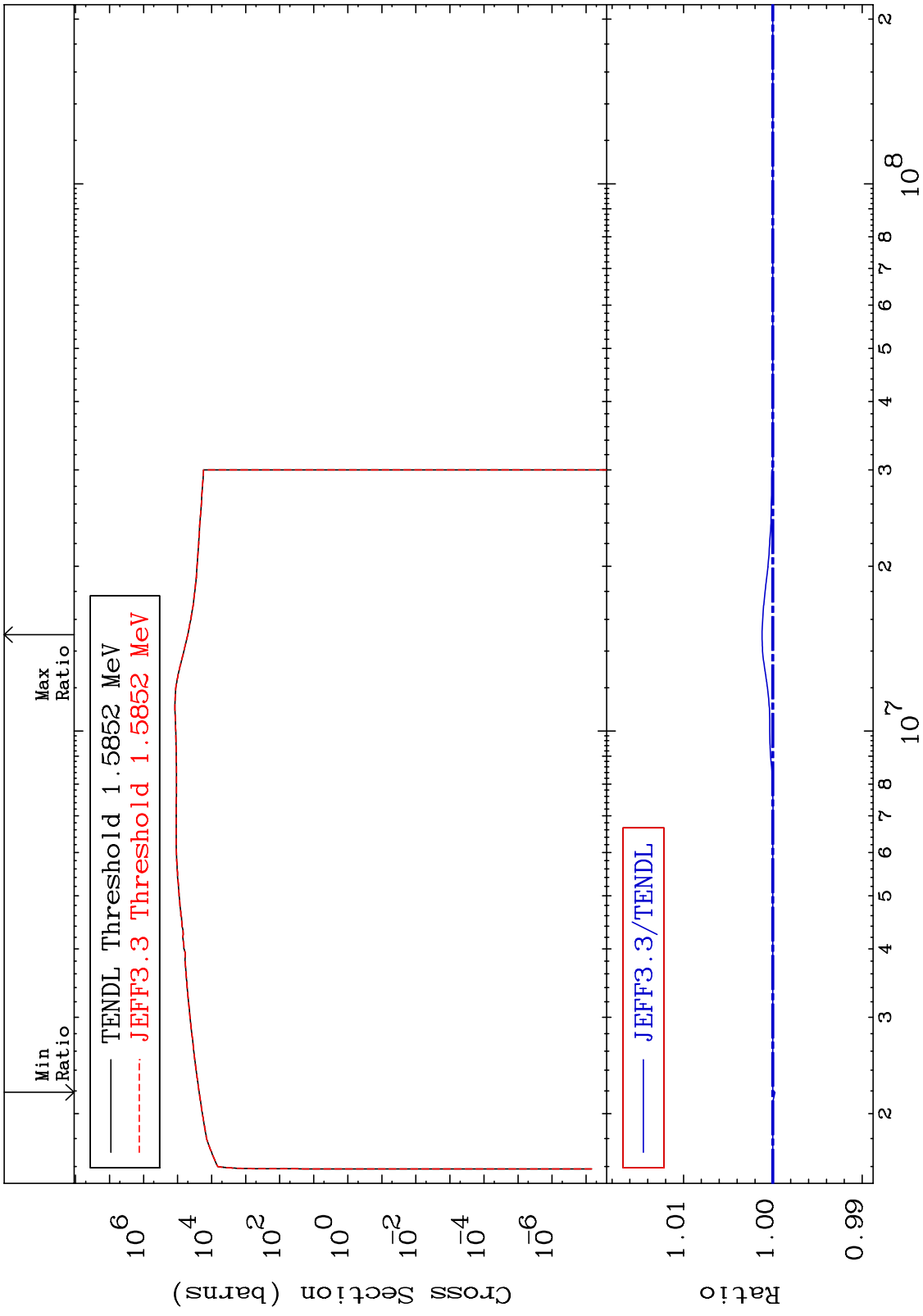
MAT 2237

Dpa elastic (mt2)
Cross Section

22-Ti-50
-99.48 To 9999. %



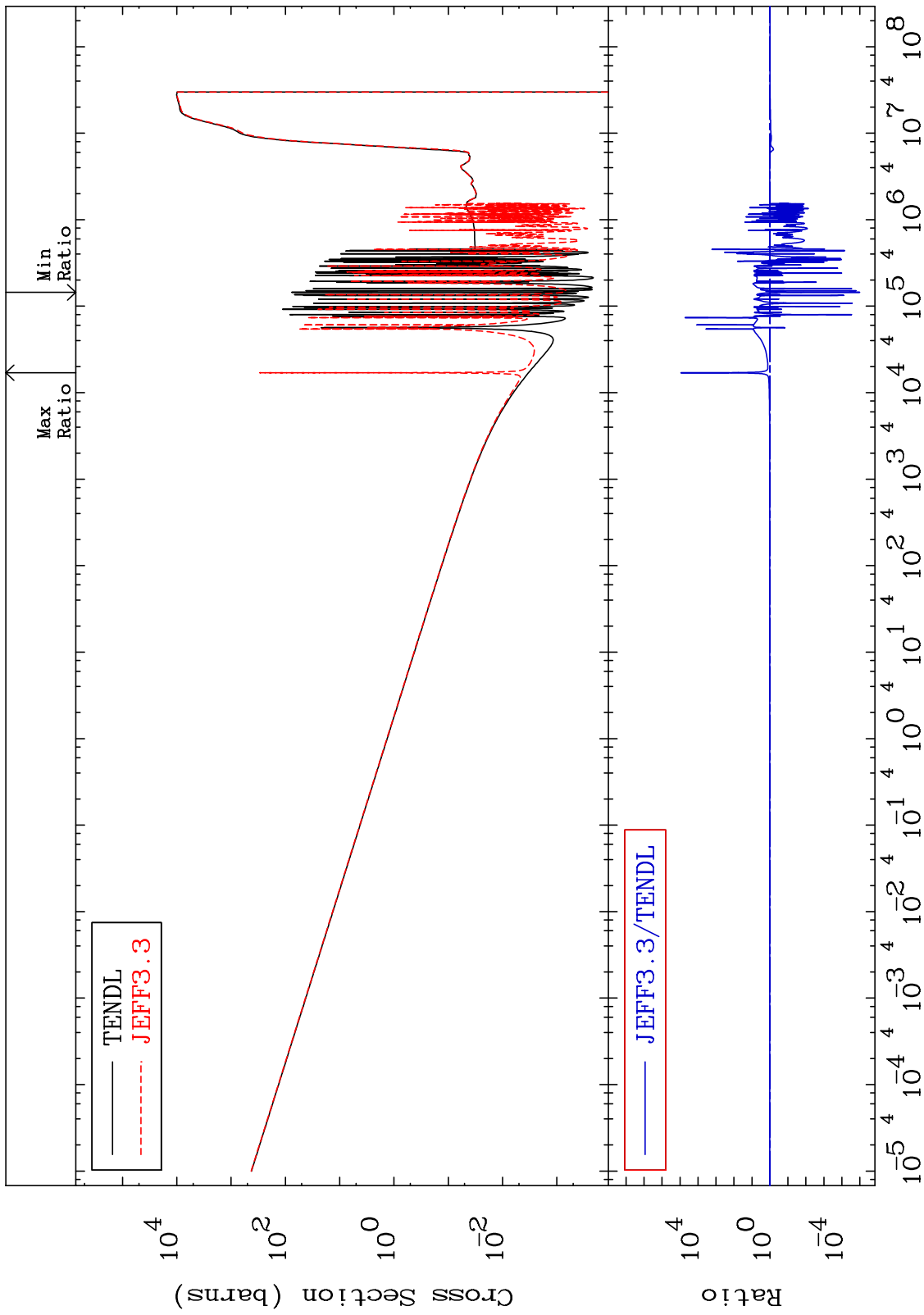
MAT 2237 Dpa inelastic (mt51-91) 22-Ti-50
 Cross Section -0.023 To 0.121 %



MAT 2237

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-50
-100.0 To 9999. %

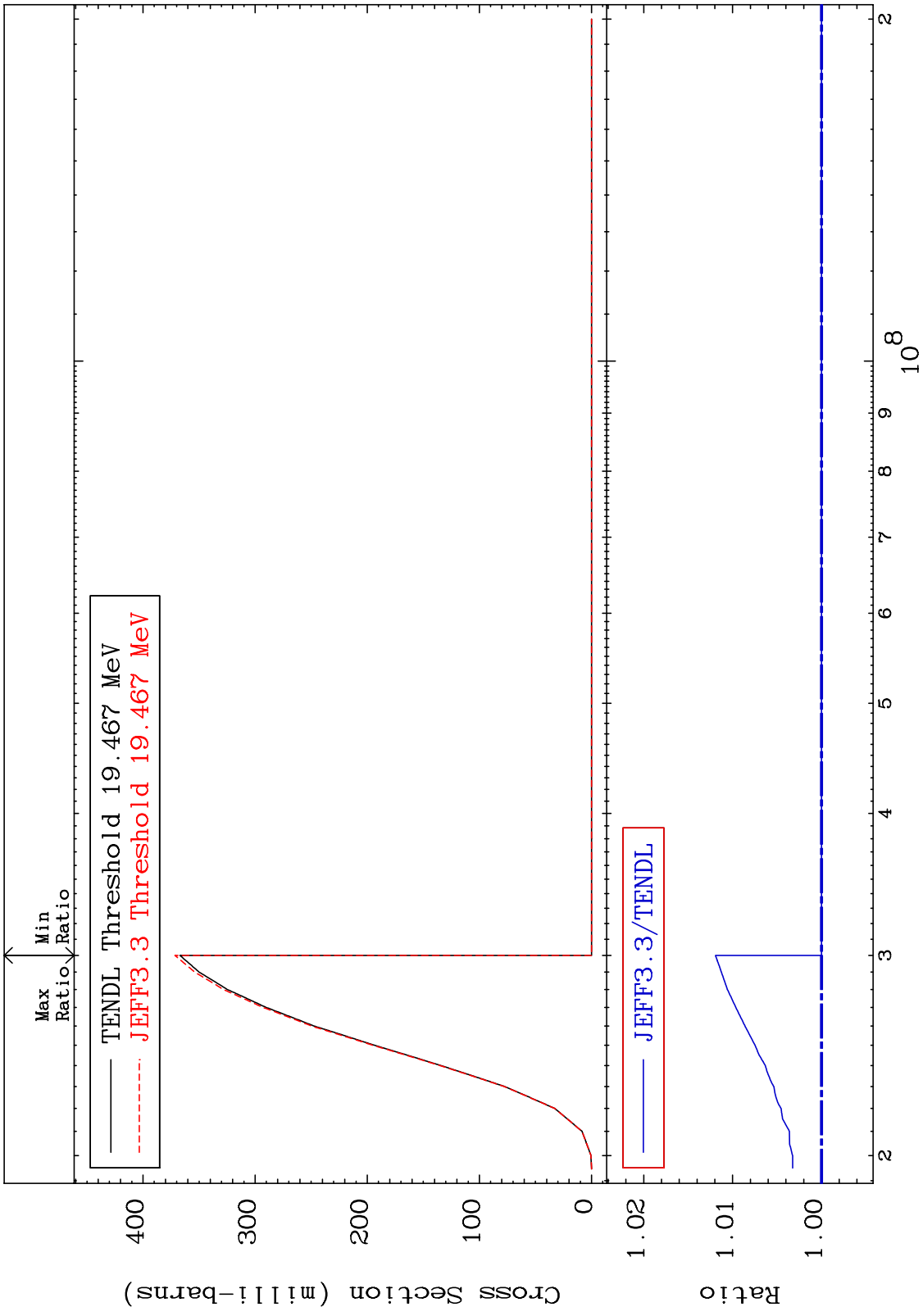


73

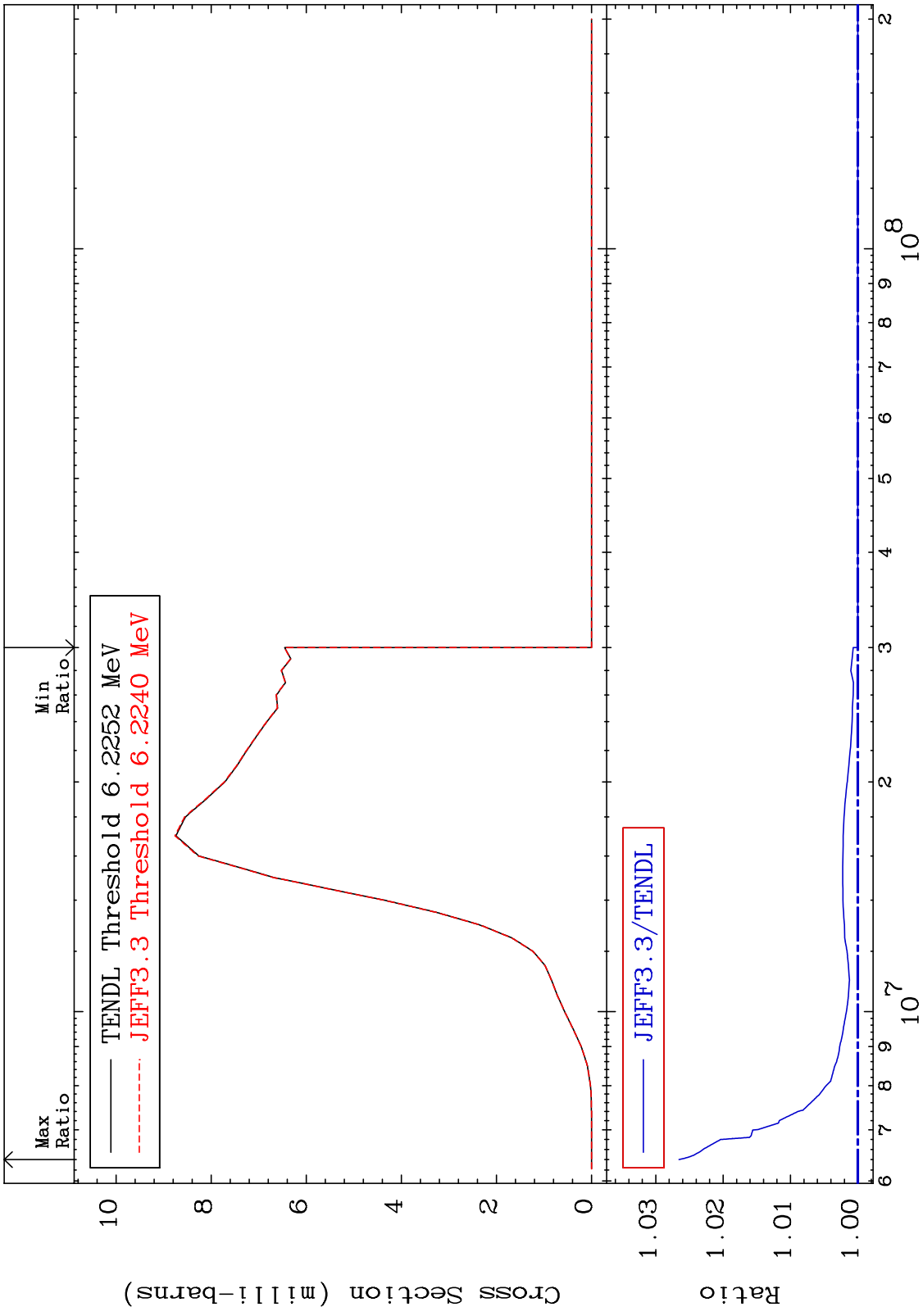
Incident Energy (eV)

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 %



75 22-Ti-50

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

