

Program Complot
(Version 2018-1)

by

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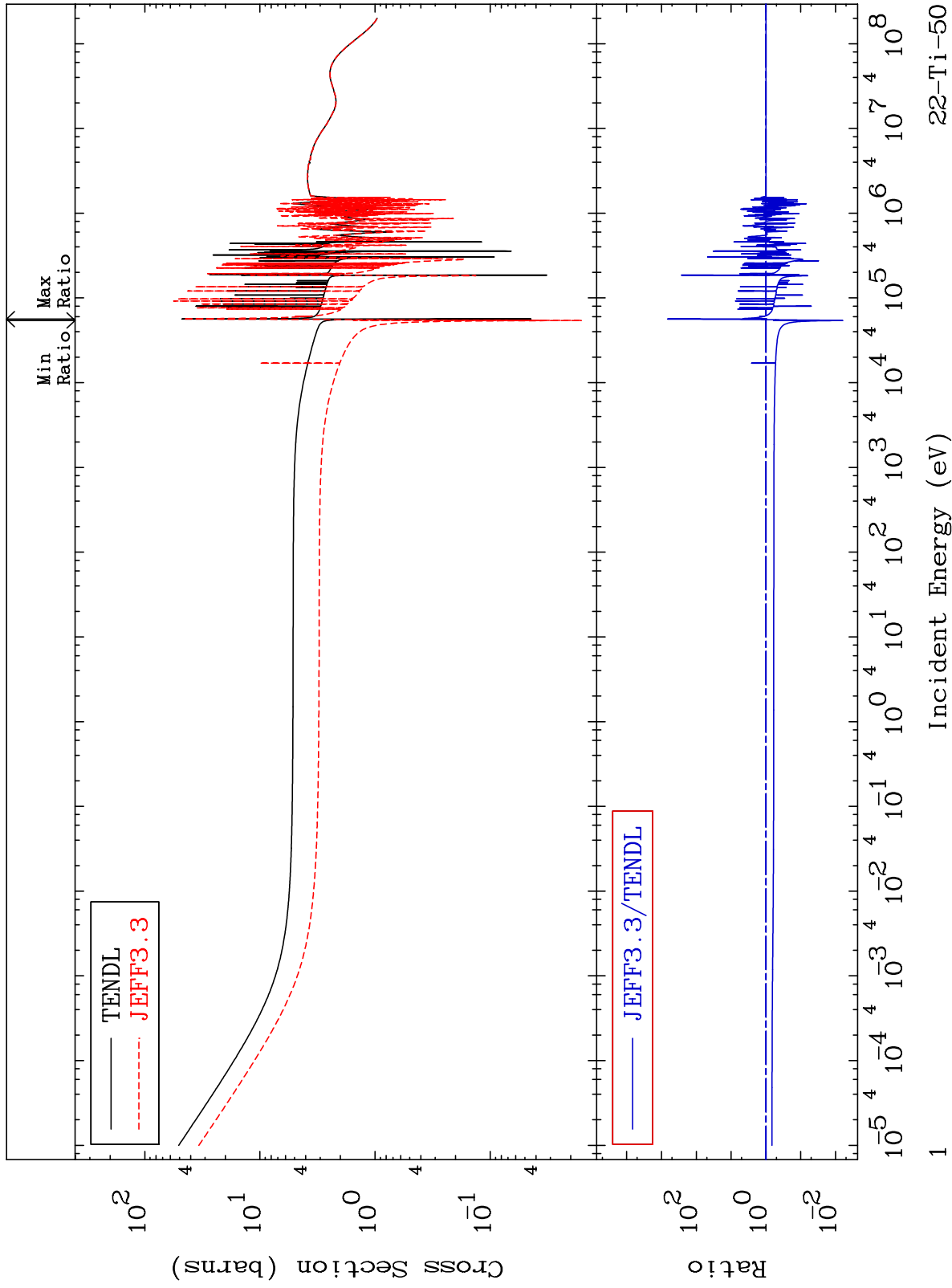
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2237

Total
Cross Section

22-Ti-50
-99.38 To 9999. %

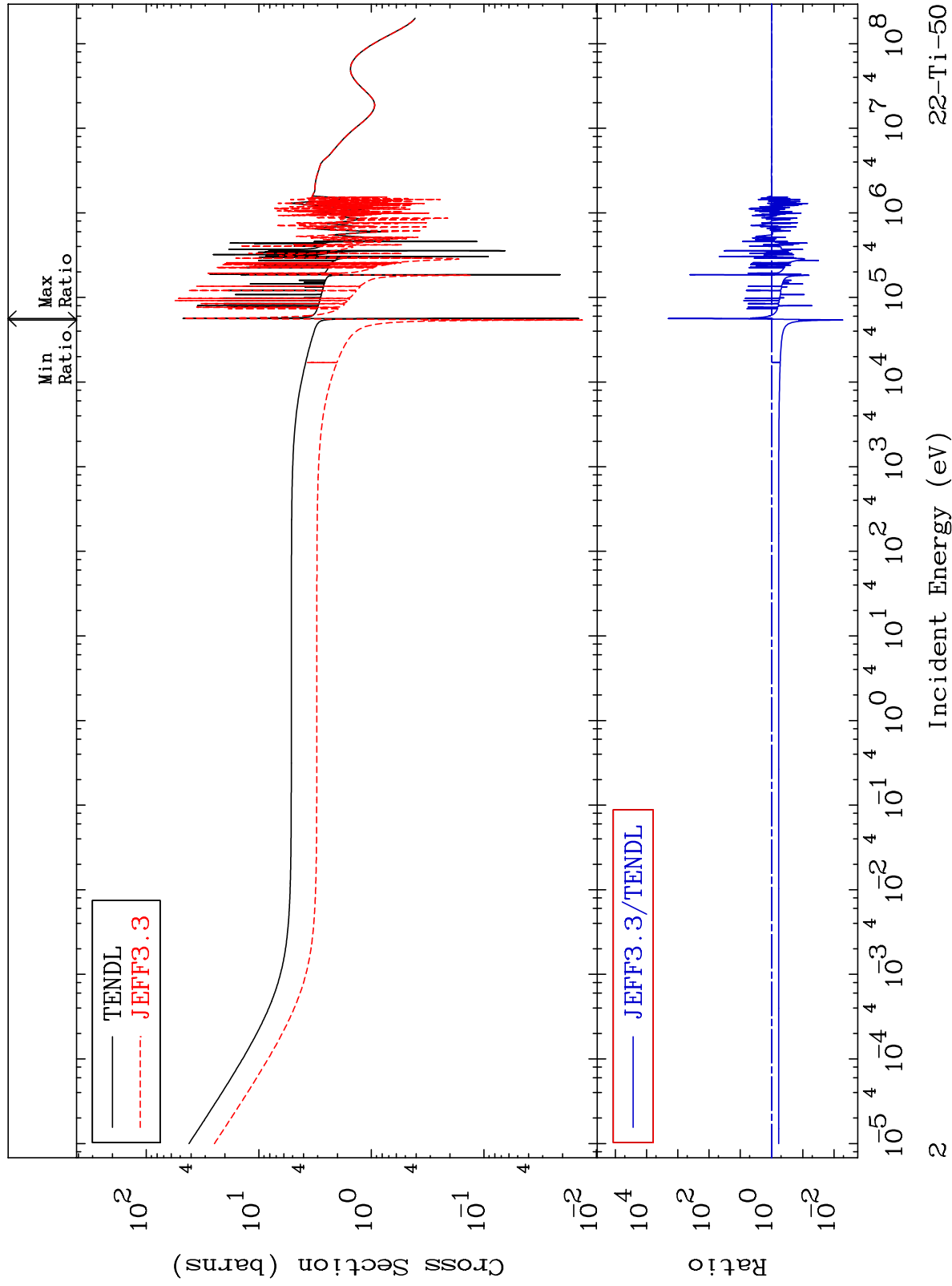


22-Ti-50

MAT 2237

Elastic
Cross Section

22-Ti-50
-99.48 To 9999. %

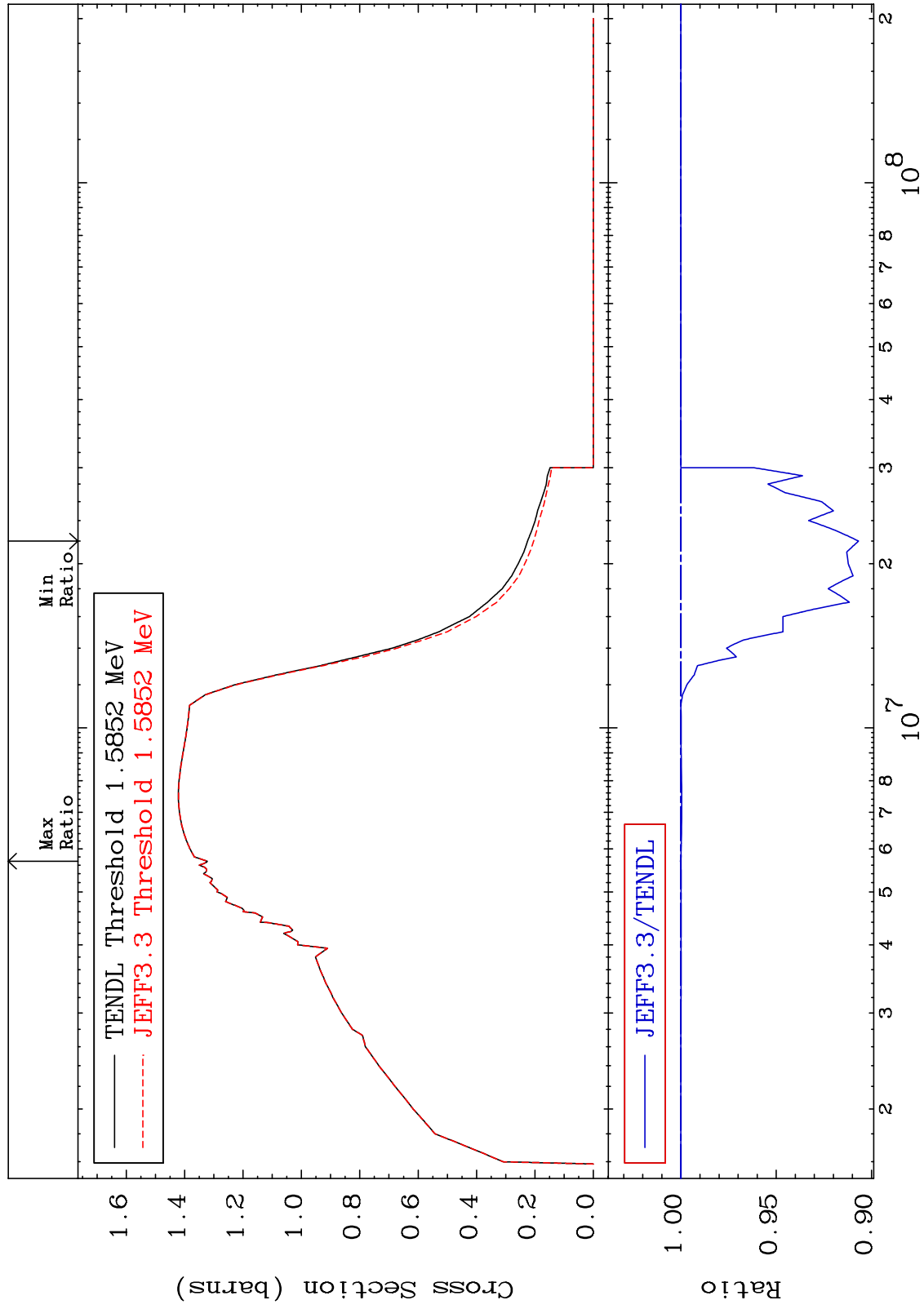


MAT 2237

Inelastic
Cross Section

22-Ti-50

-9.319 To 0.025 %



3

Incident Energy (eV)

22-Ti-50

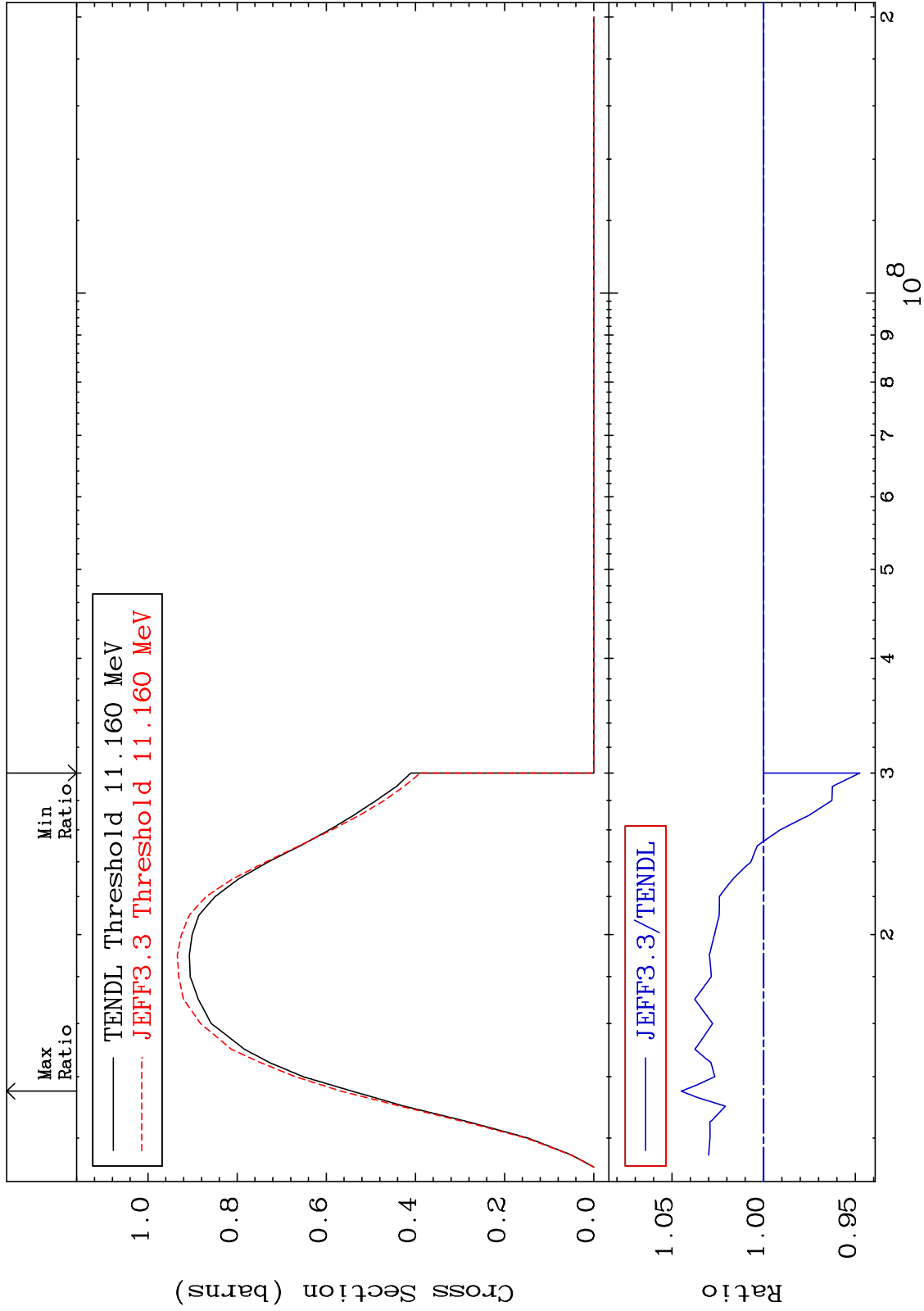
MAT 2237

(n,2n)

22-Ti-50

Cross Section

-5.251 To 4.492 %



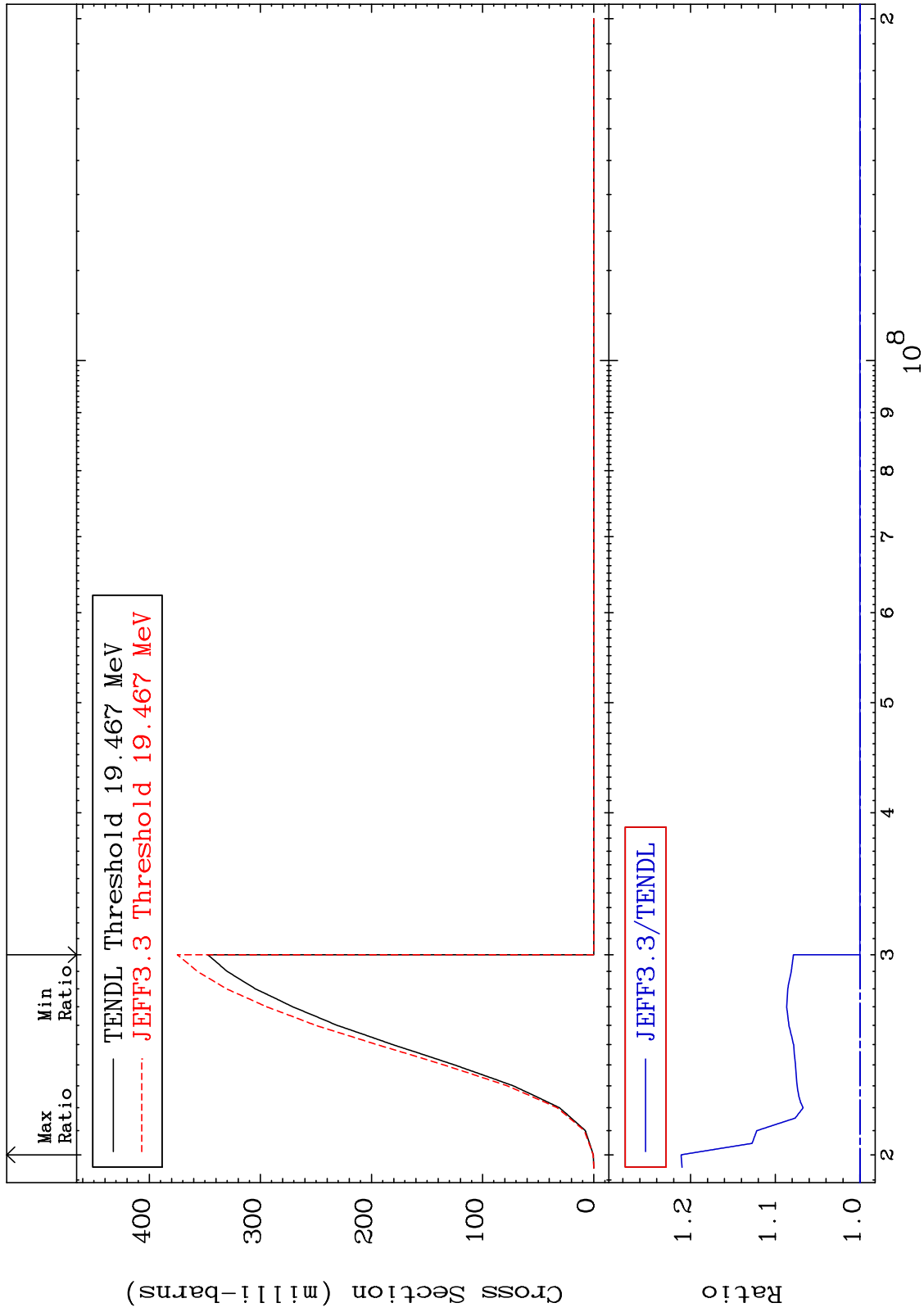
MAT 2237

(n,3n)

22-Ti-50

Cross Section

0.000 To 21.11 %



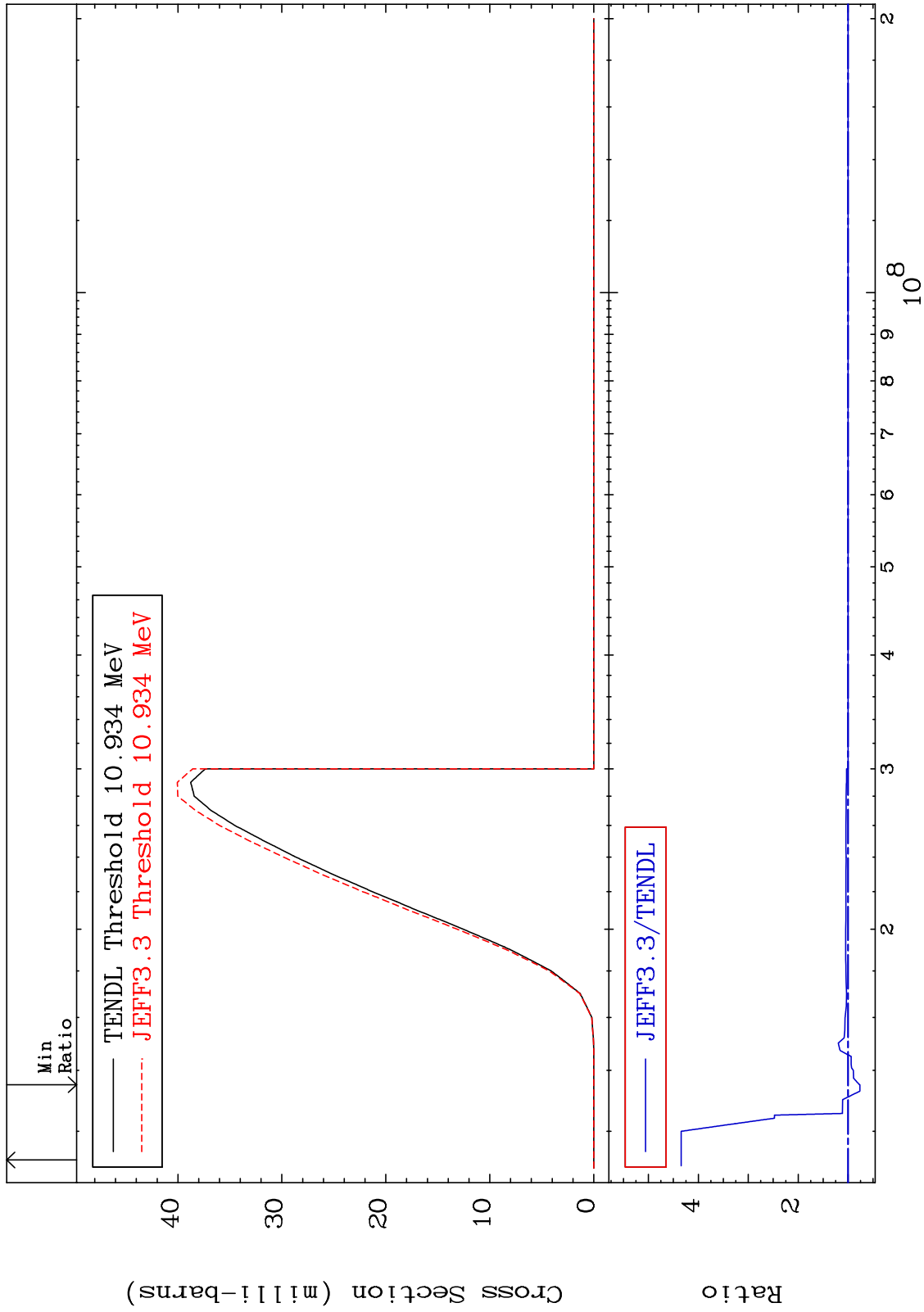
MAT 2237

(n,n') α

22-Ti-50

Cross Section

-23.69 To 334.3 %



6

Incident Energy (eV)

22-Ti-50

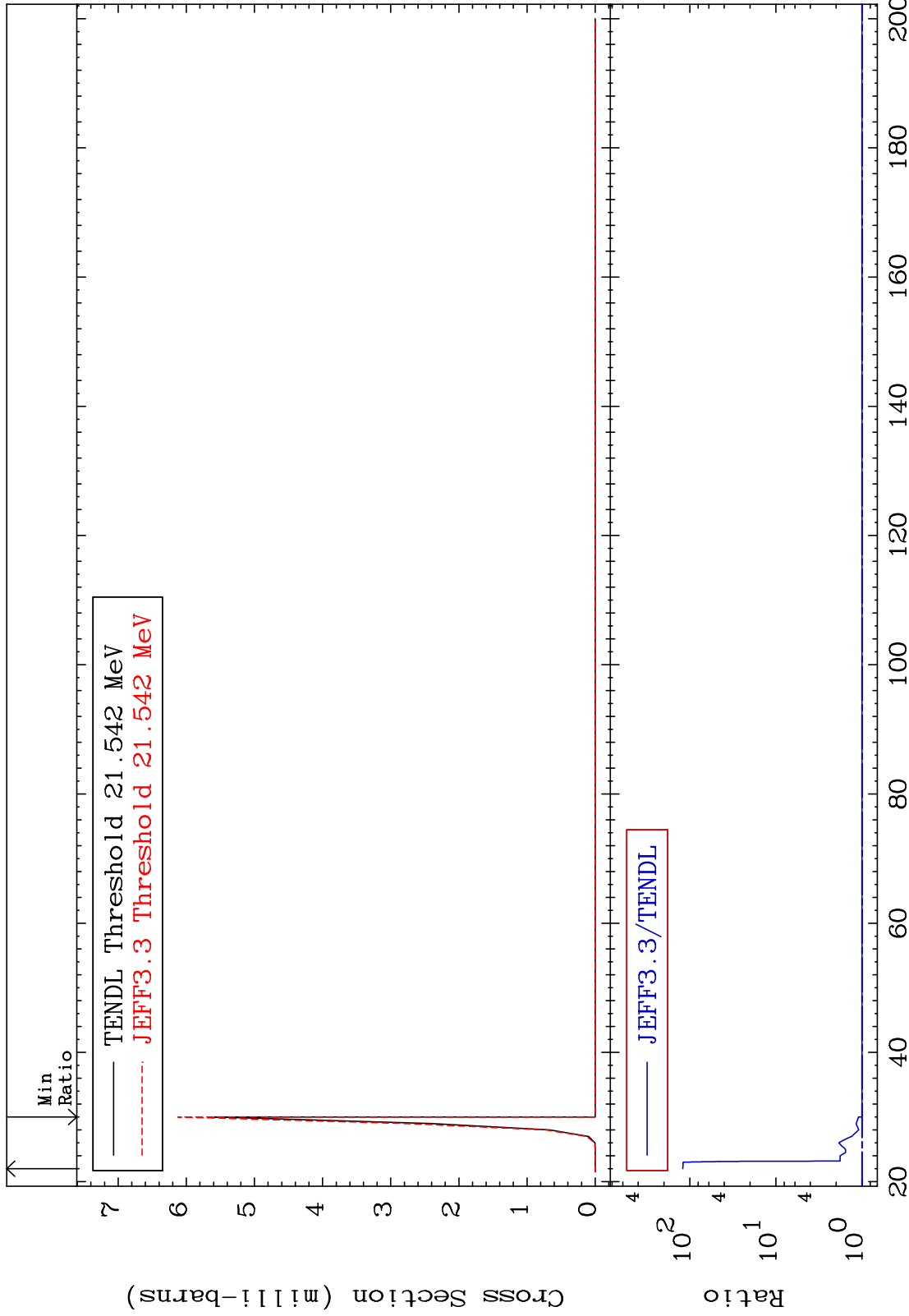
MAT 2237

(n,2n) α

22-Ti-50

Cross Section

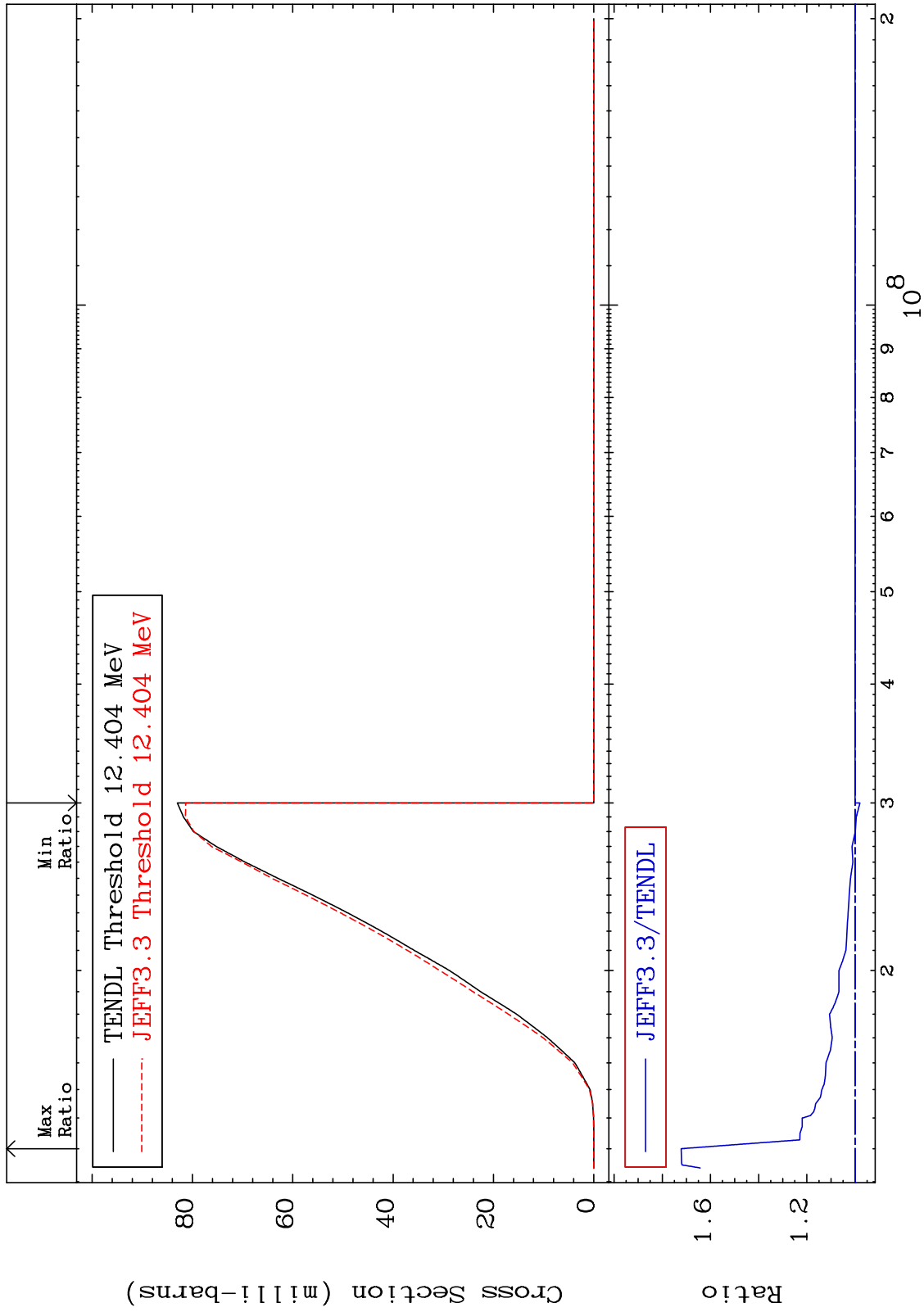
0.000 To 9999. %



MAT 2237

(n,n') p
Cross Section

22-Ti-50
-2.012 To 72.14 %



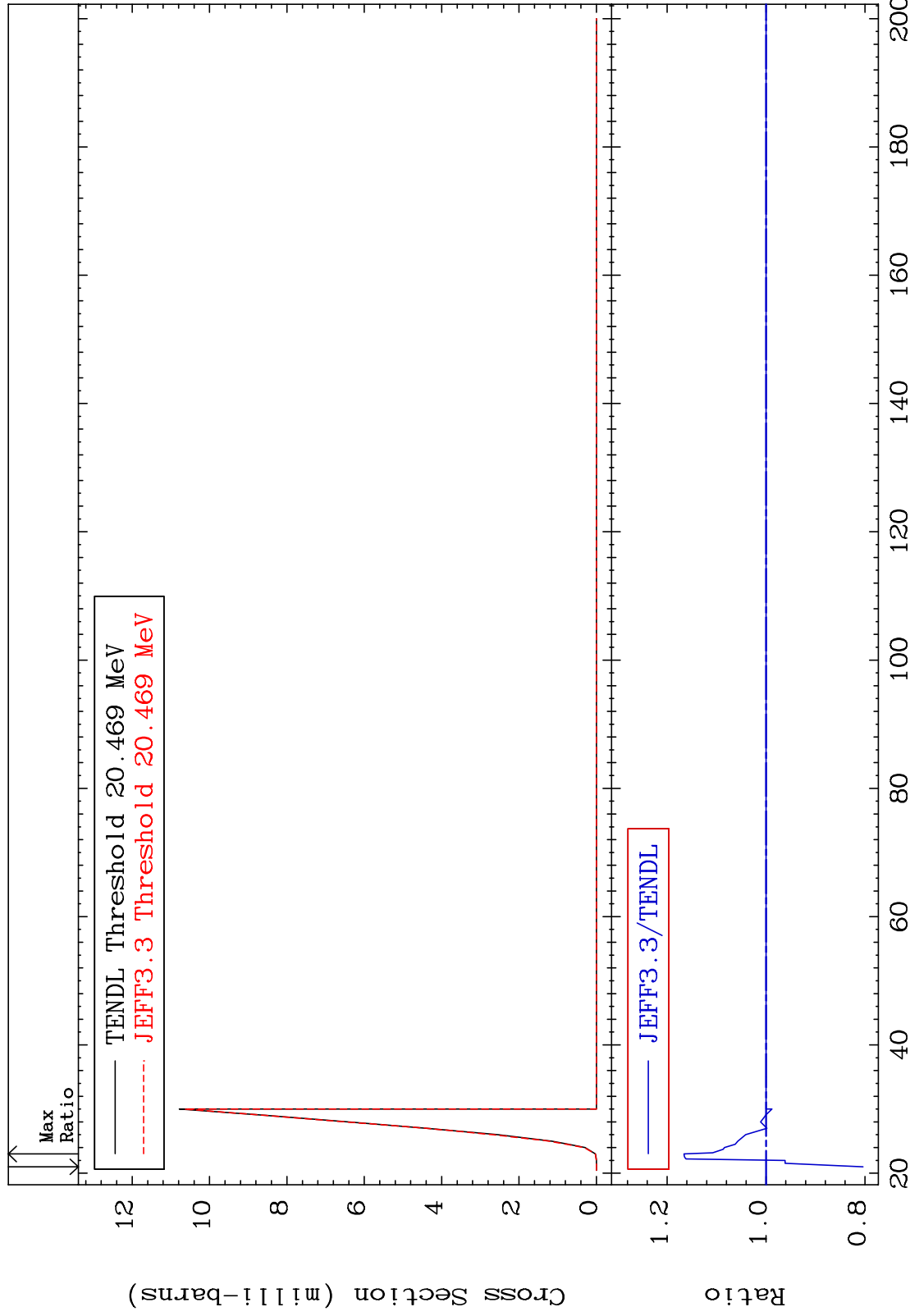
MAT 2237

(n,n') d

22-Ti-50

Cross Section

-19.62 To 16.57 %



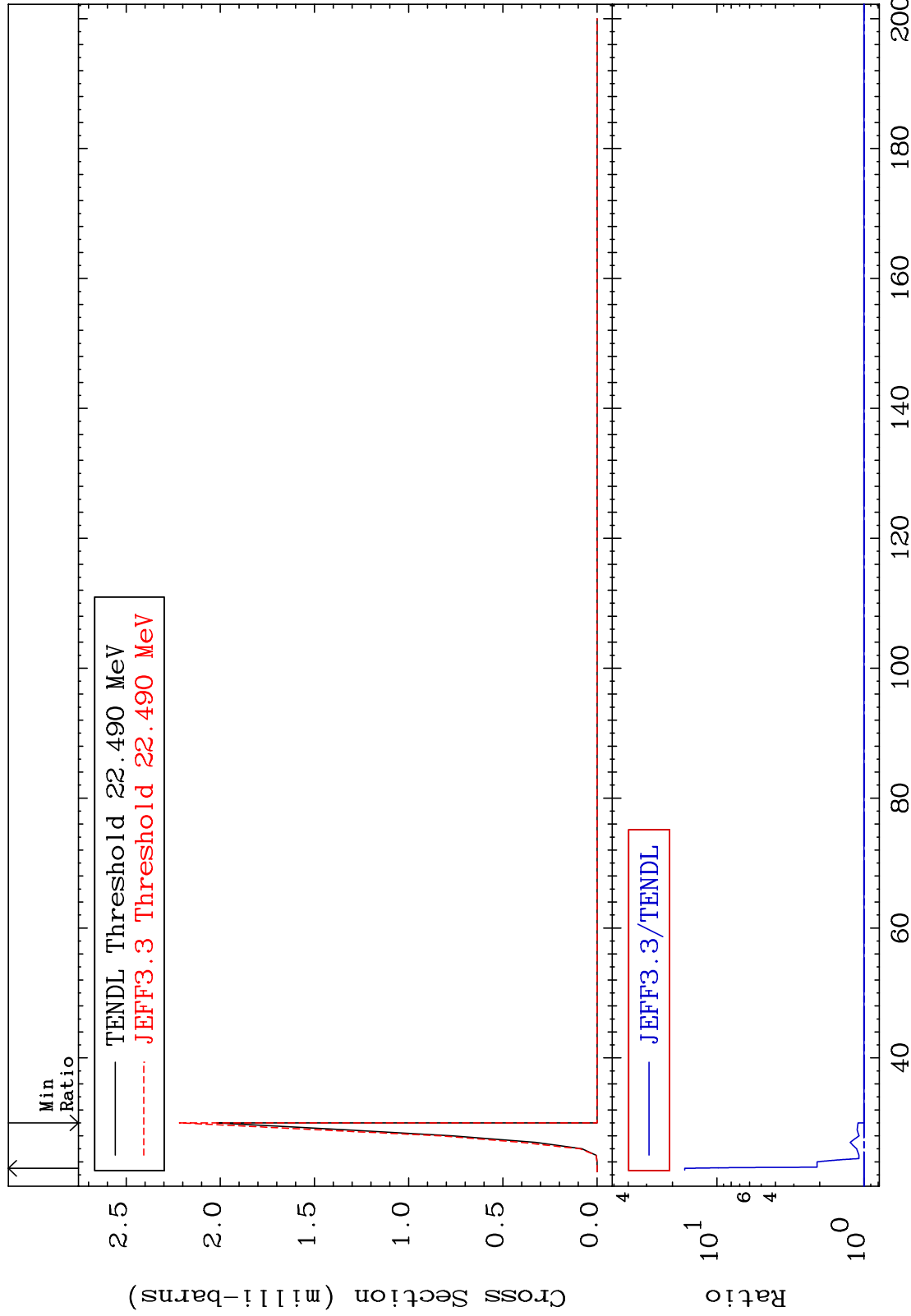
MAT 2237

(n,n') t

22-Ti-50

Cross Section

0.000 To 1551. %



10

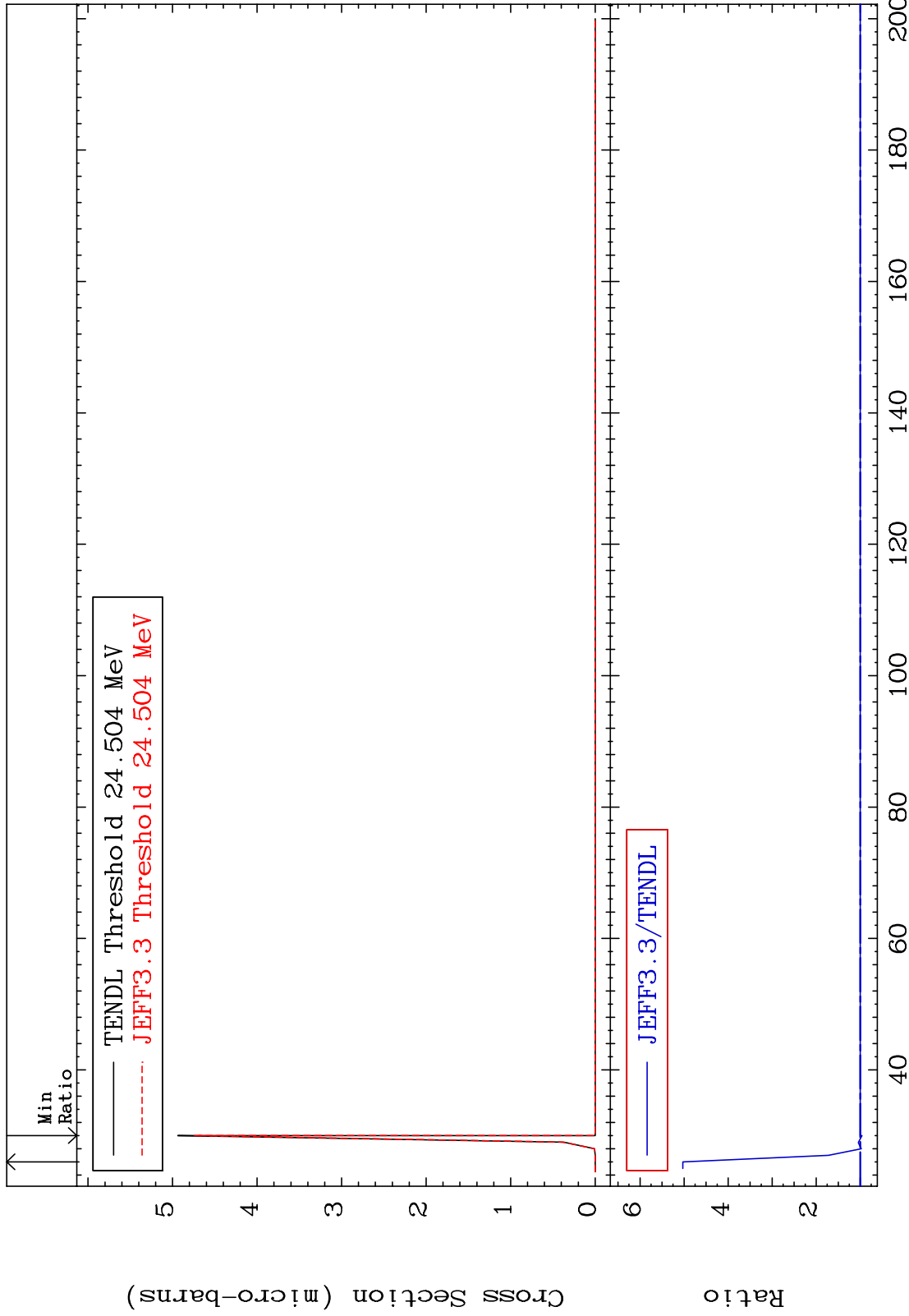
Incident Energy (MeV)

22-Ti-50

MAT 2237

(n,n') He-3
Cross Section

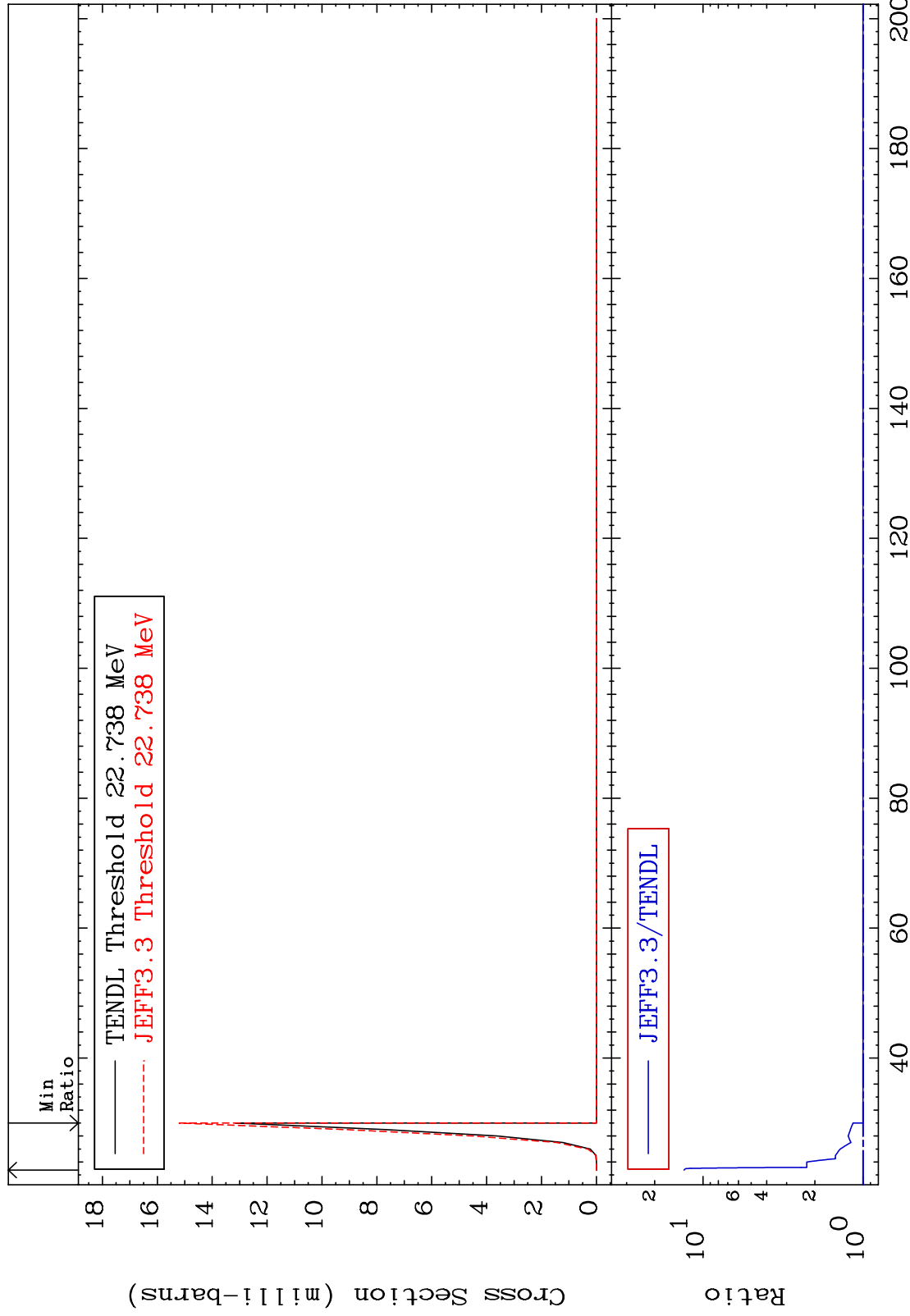
22-Ti-50
-4.049 To 402.7 %



MAT 2237

(n,2n) p
Cross Section

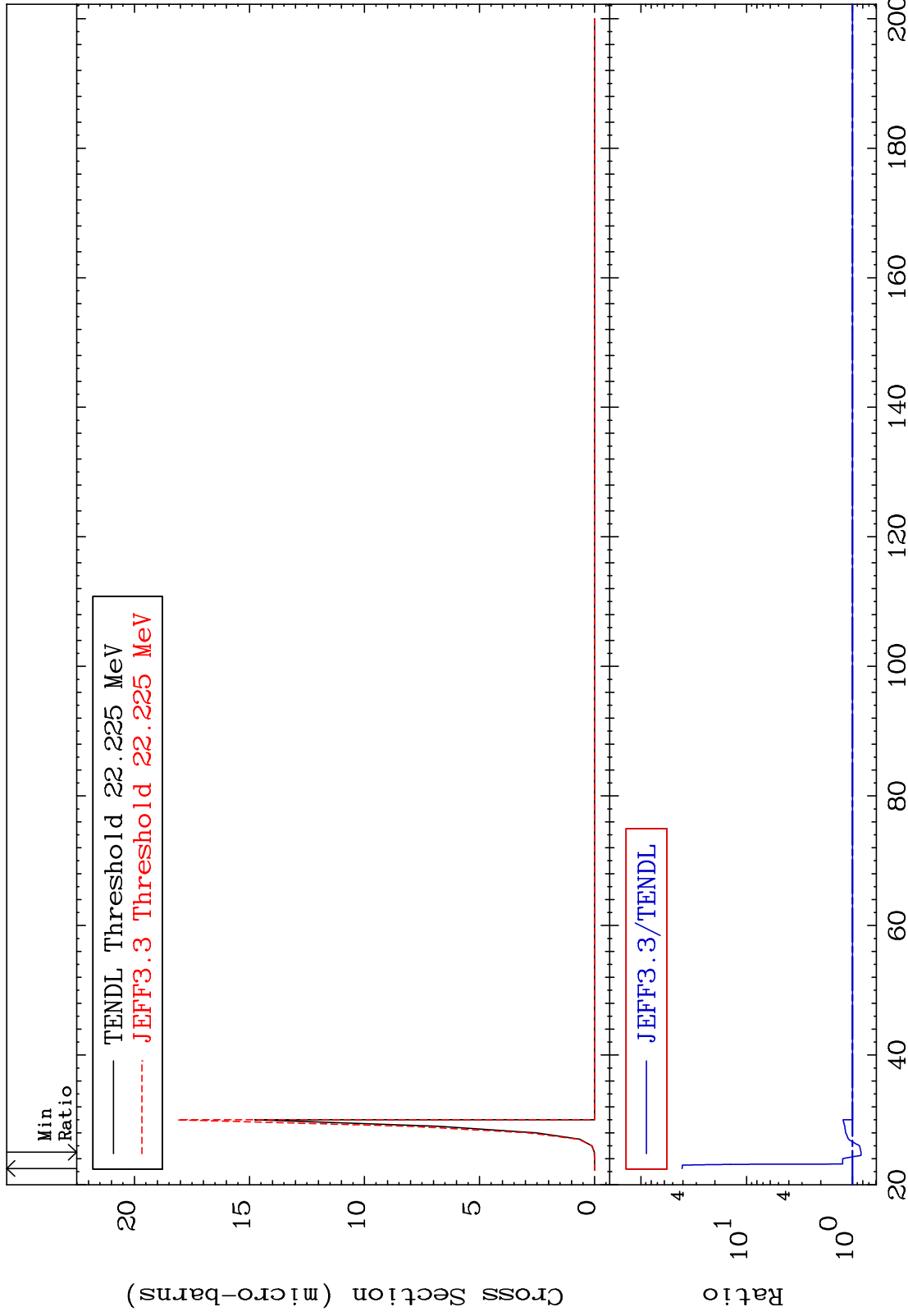
22-Ti-50
0.000 To 1212. %



MAT 2237

(n,2n) p
Cross Section

22-Ti-50
-16.97 To 3975. %

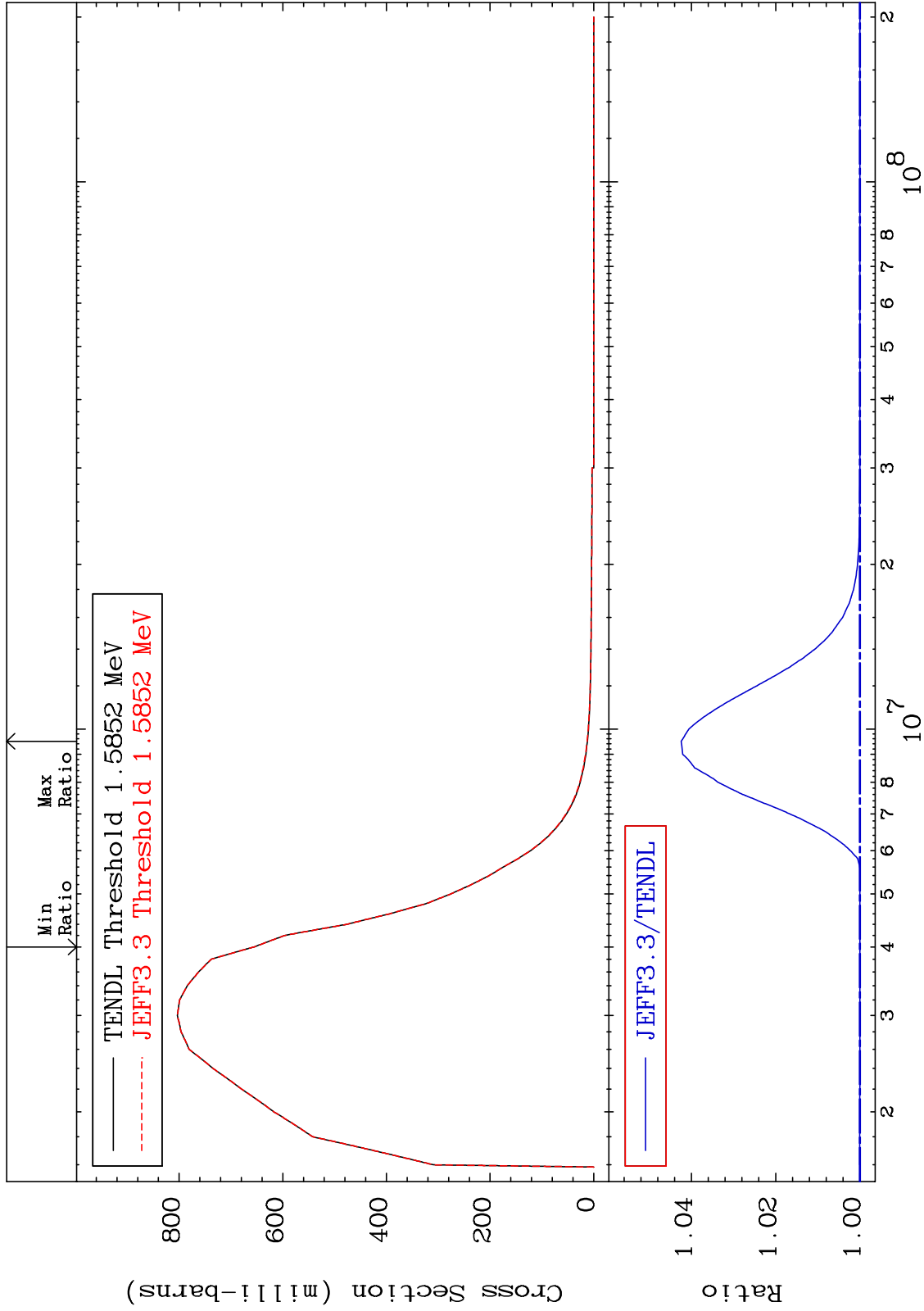


22-Ti-50

MAT 2237

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

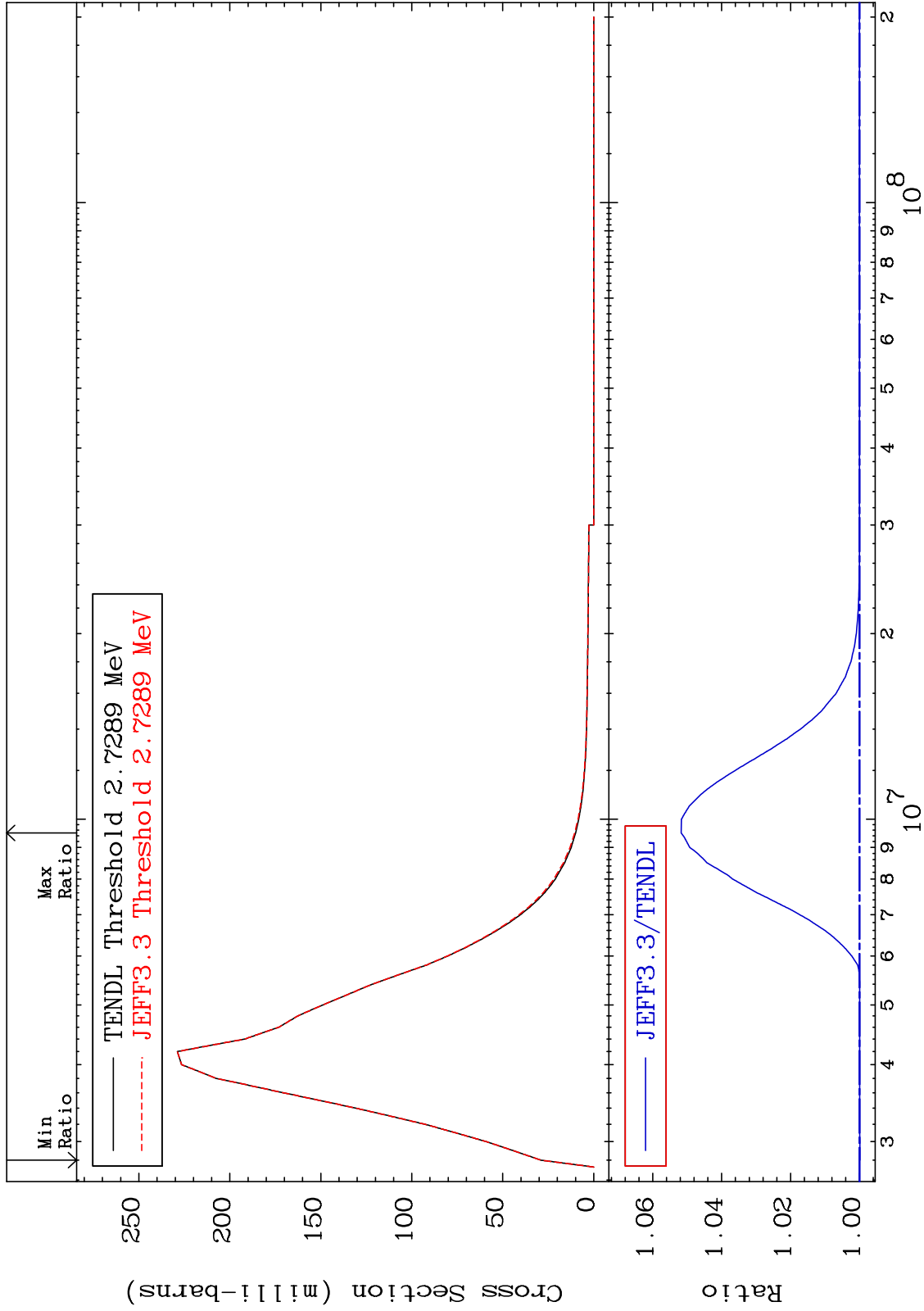
22-Ti-50
-0.002 To 4.244 %



MAT 2237

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

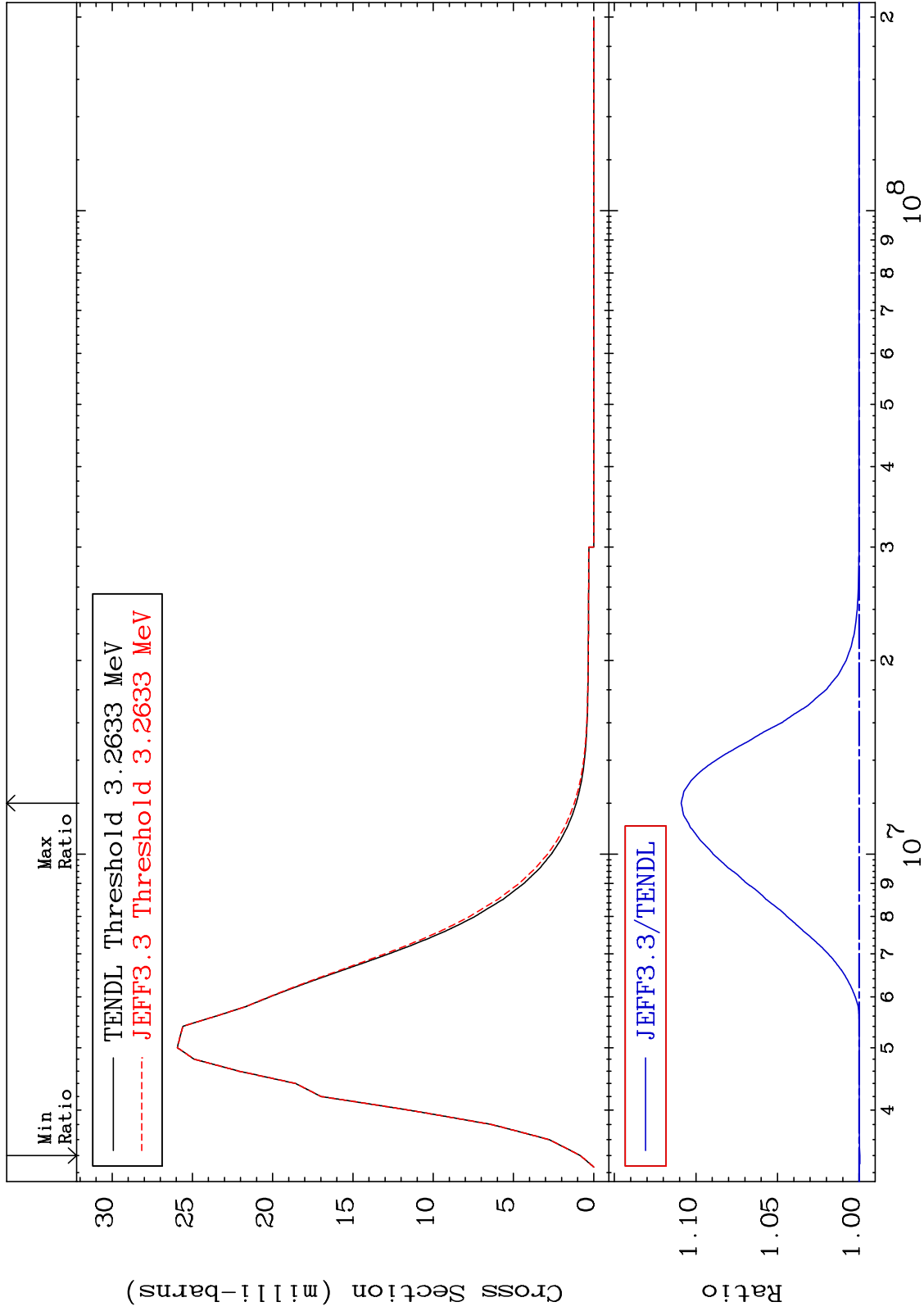
22-Ti-50
-0.012 To 5.173 %



MAT 2237

MT= 53 (n,n') Level
Cross Section

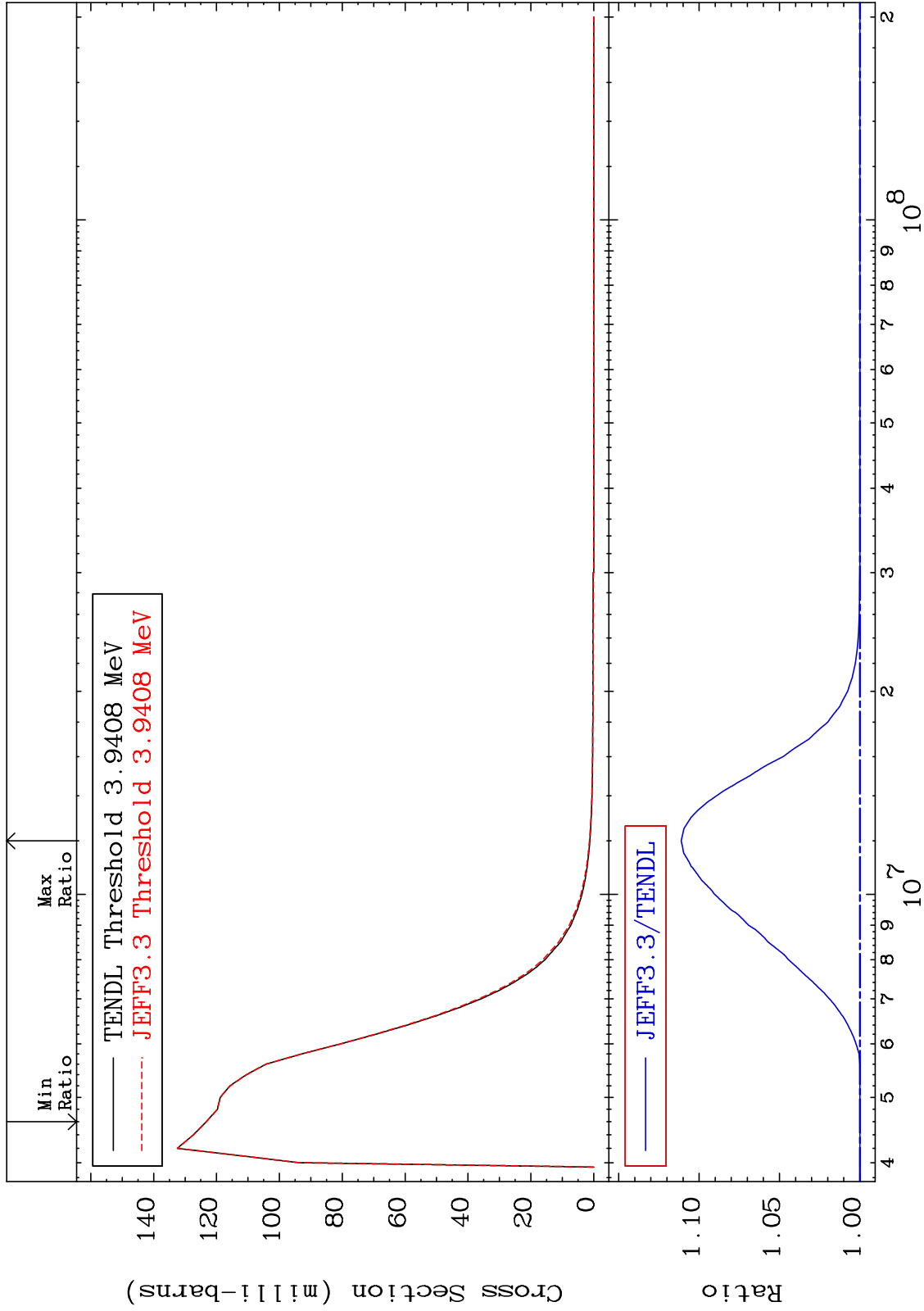
22-Ti-50
-0.051 To 10.90 %



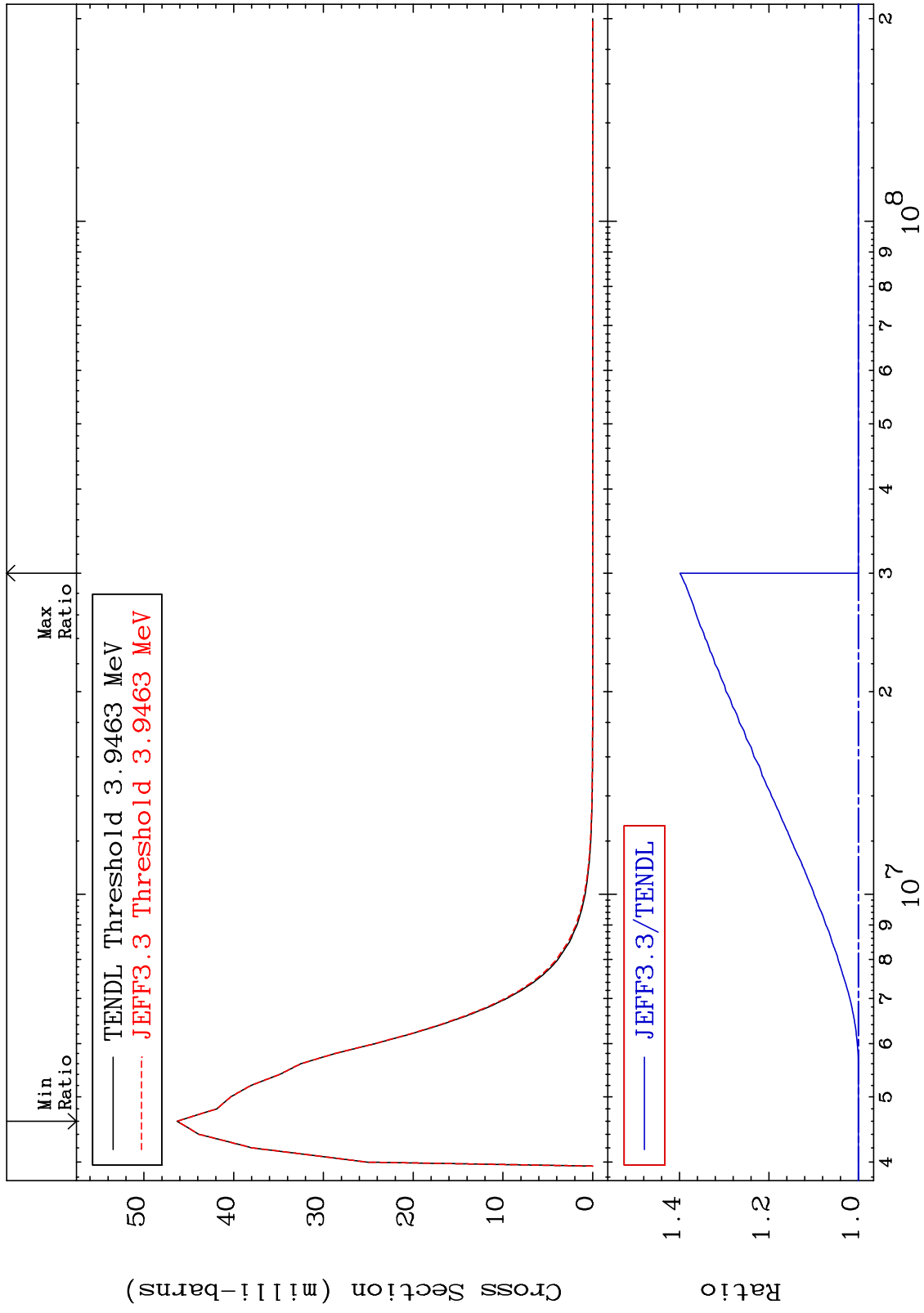
MAT 2237

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

22-Ti-50
-0.002 To 11.11 %



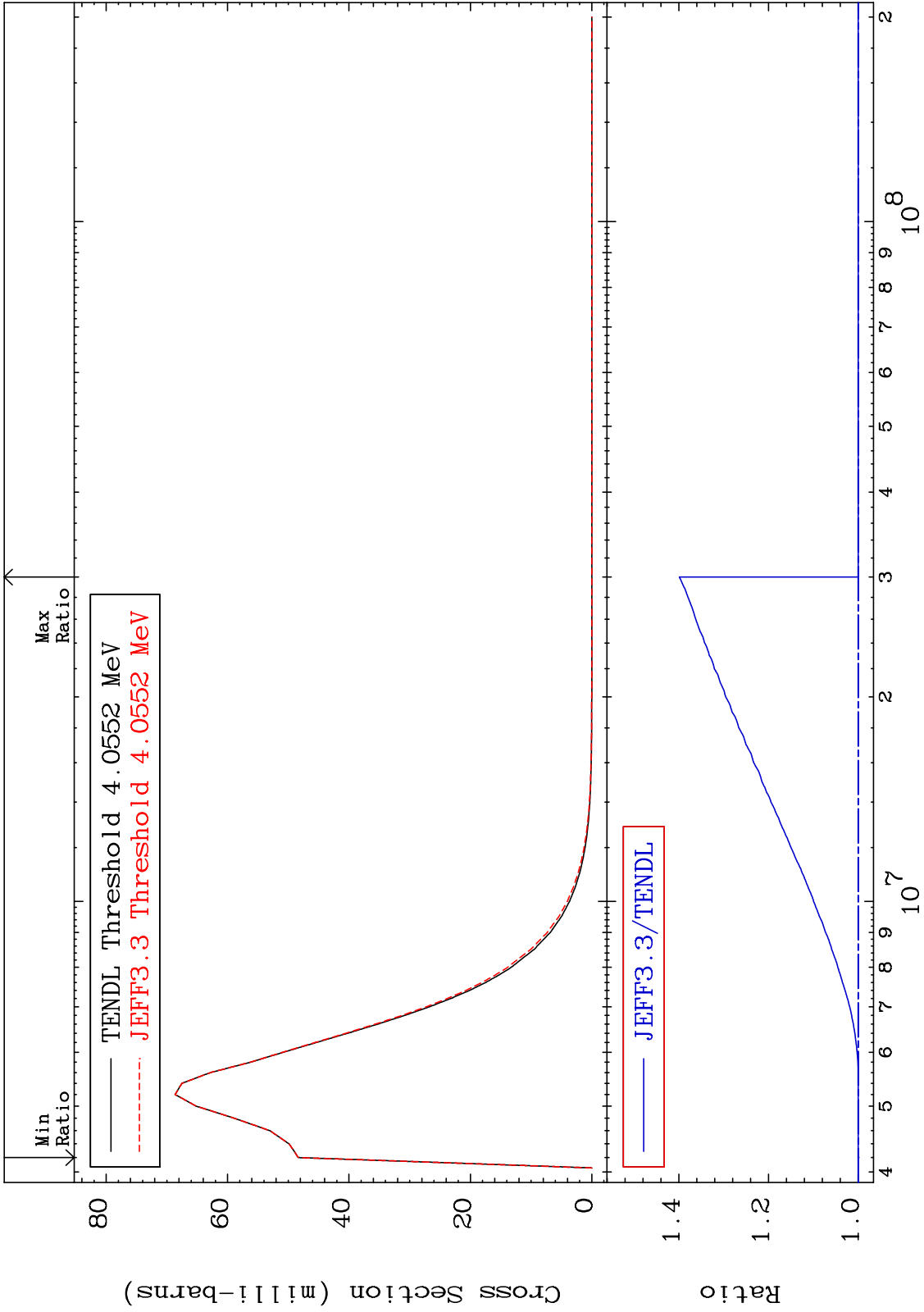
MAT 2237 MT= 55 (n,n') Level Cross Section 22-Ti-50
 -0.002 To 39.87 %



MAT 2237

MT= 56 (n,n') Level
Cross Section

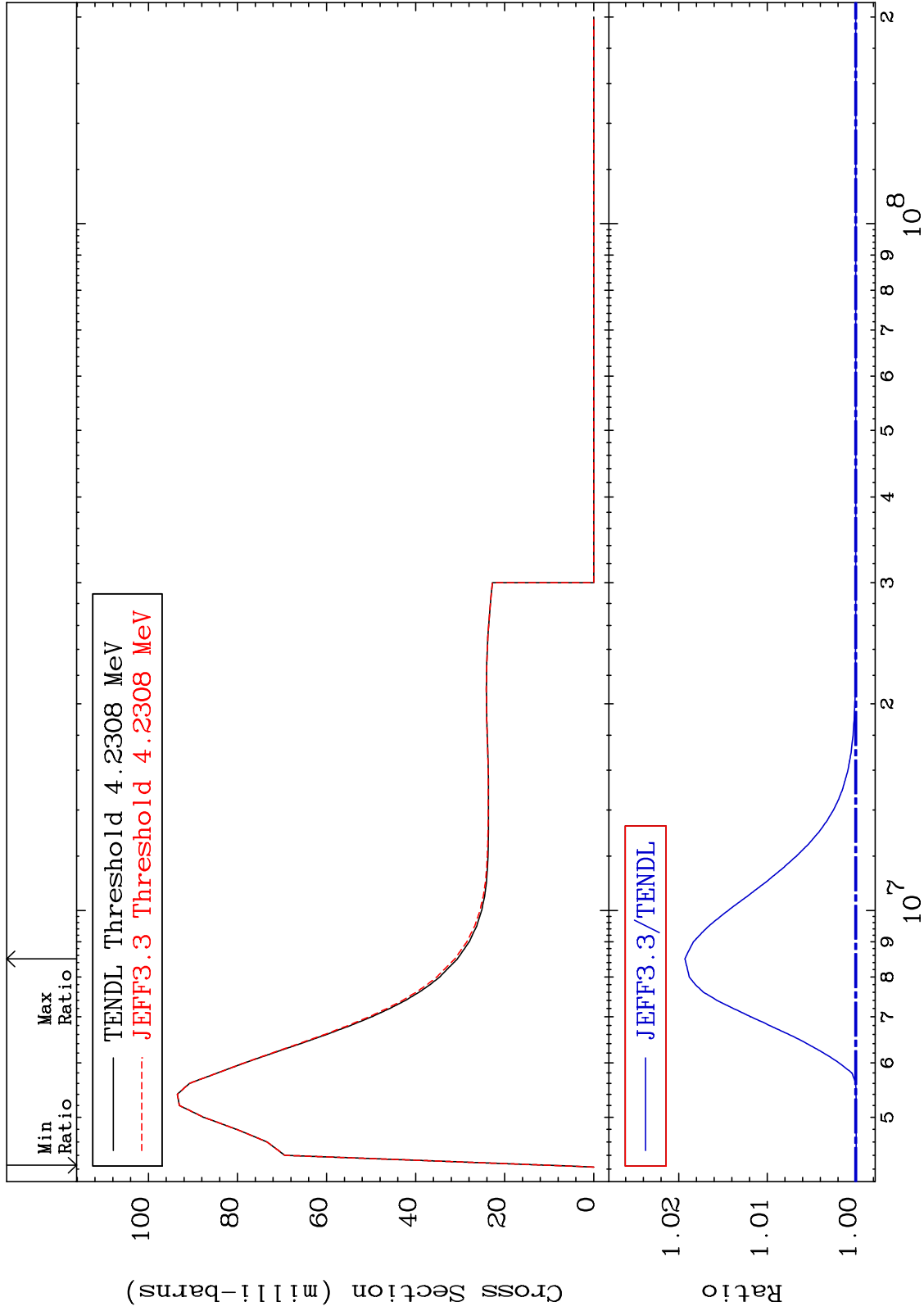
22-Ti-50
-0.007 To 39.89 %



MAT 2237

MT= 57 (n,n') Level
Cross Section

22-Ti-50
-0.006 To 1.930 %



20

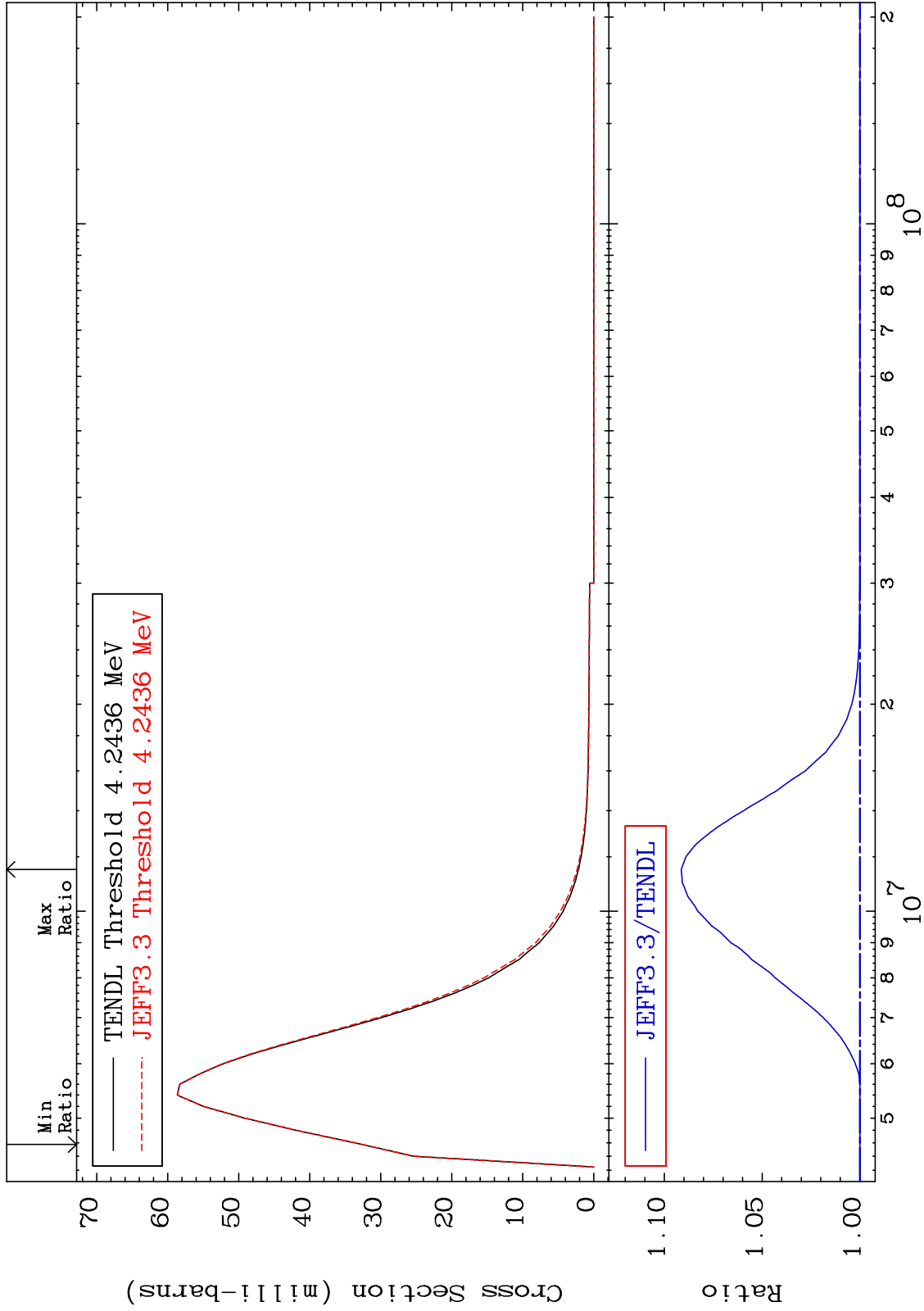
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 58 (n,n') Level
Cross Section

22-Ti-50
-0.003 To 9.139 %



21

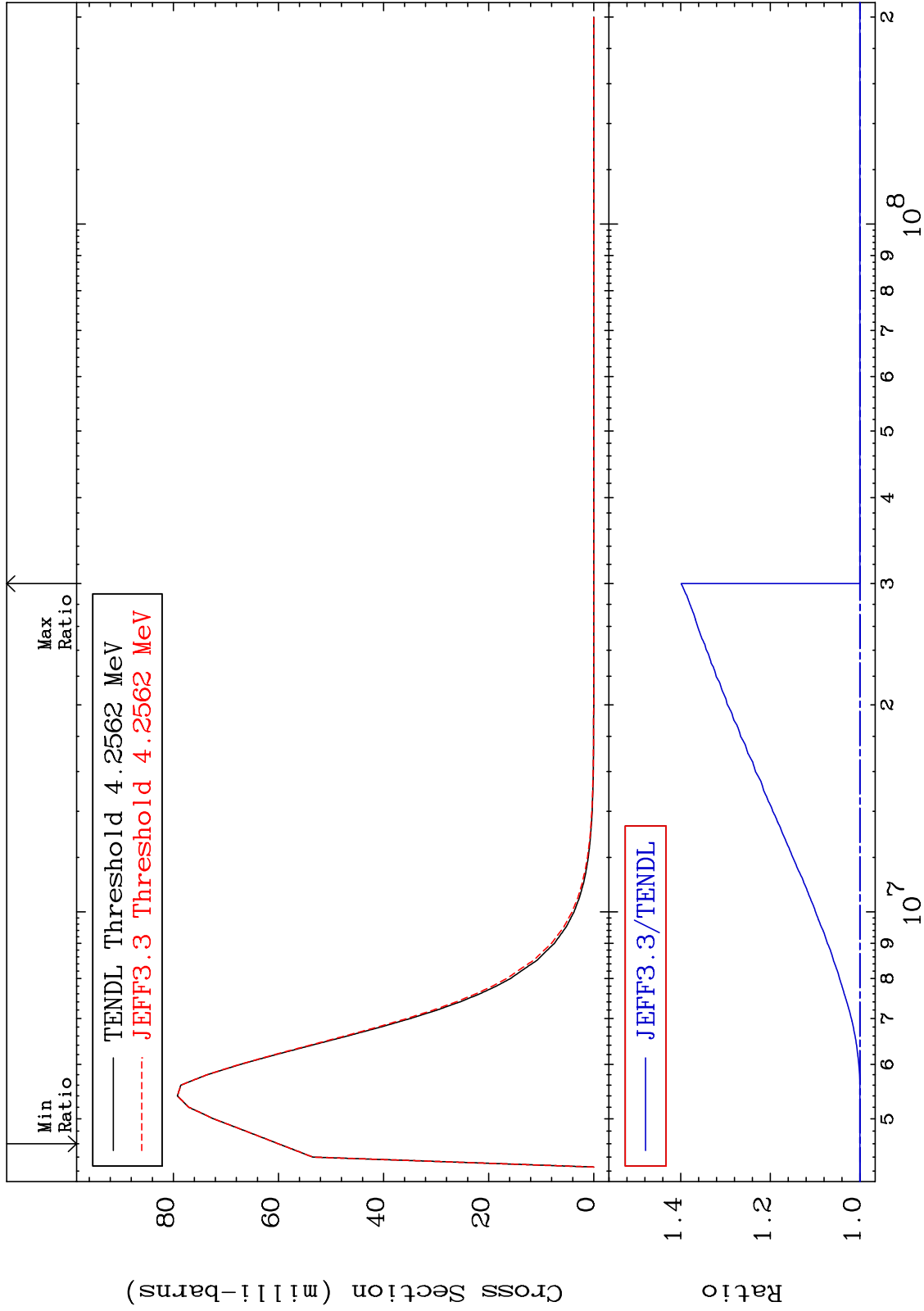
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 59 (n, n') Level
Cross Section

22-Ti-50
-0.002 To 39.88 %



22

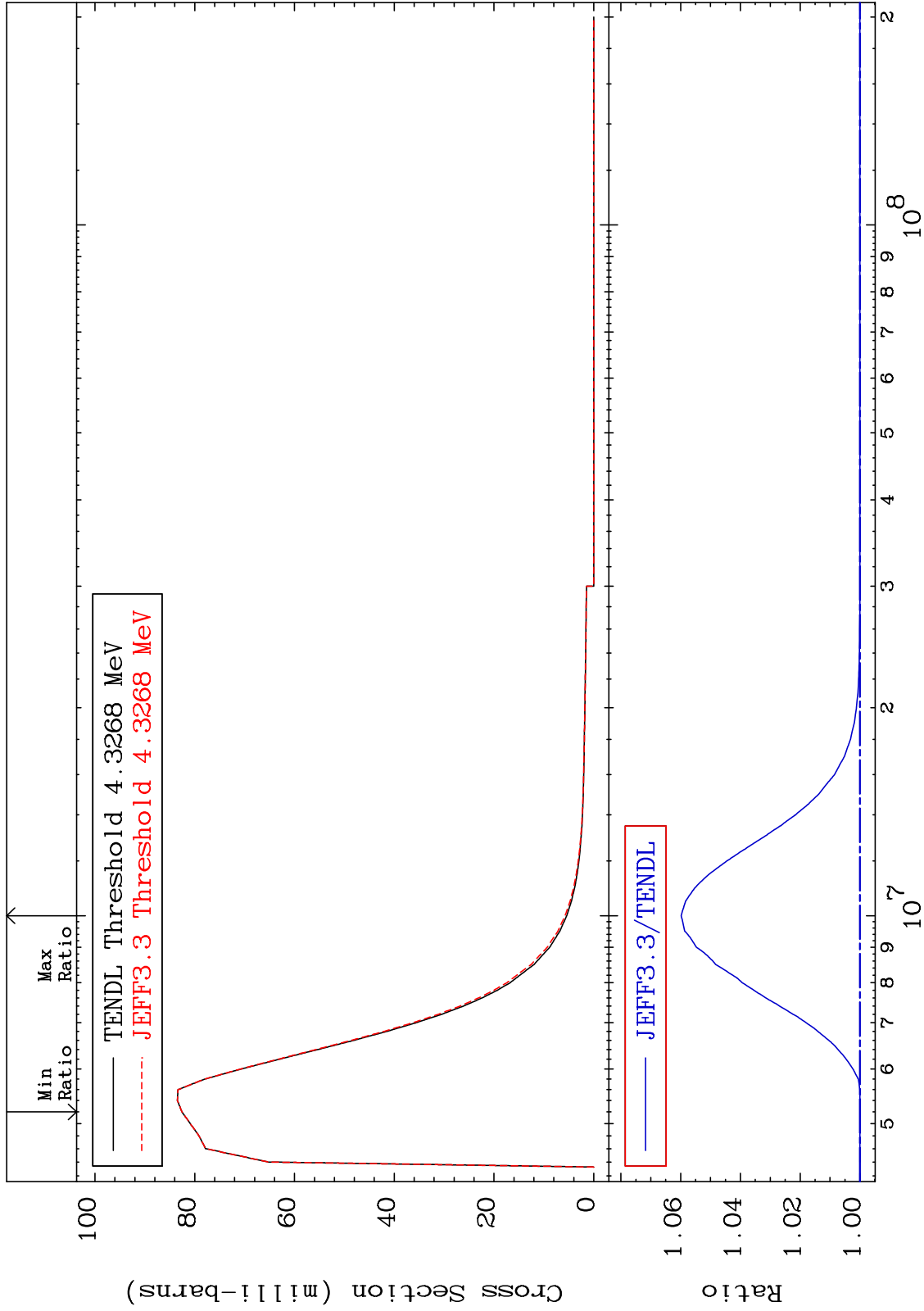
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 60 (n,n') Level
Cross Section

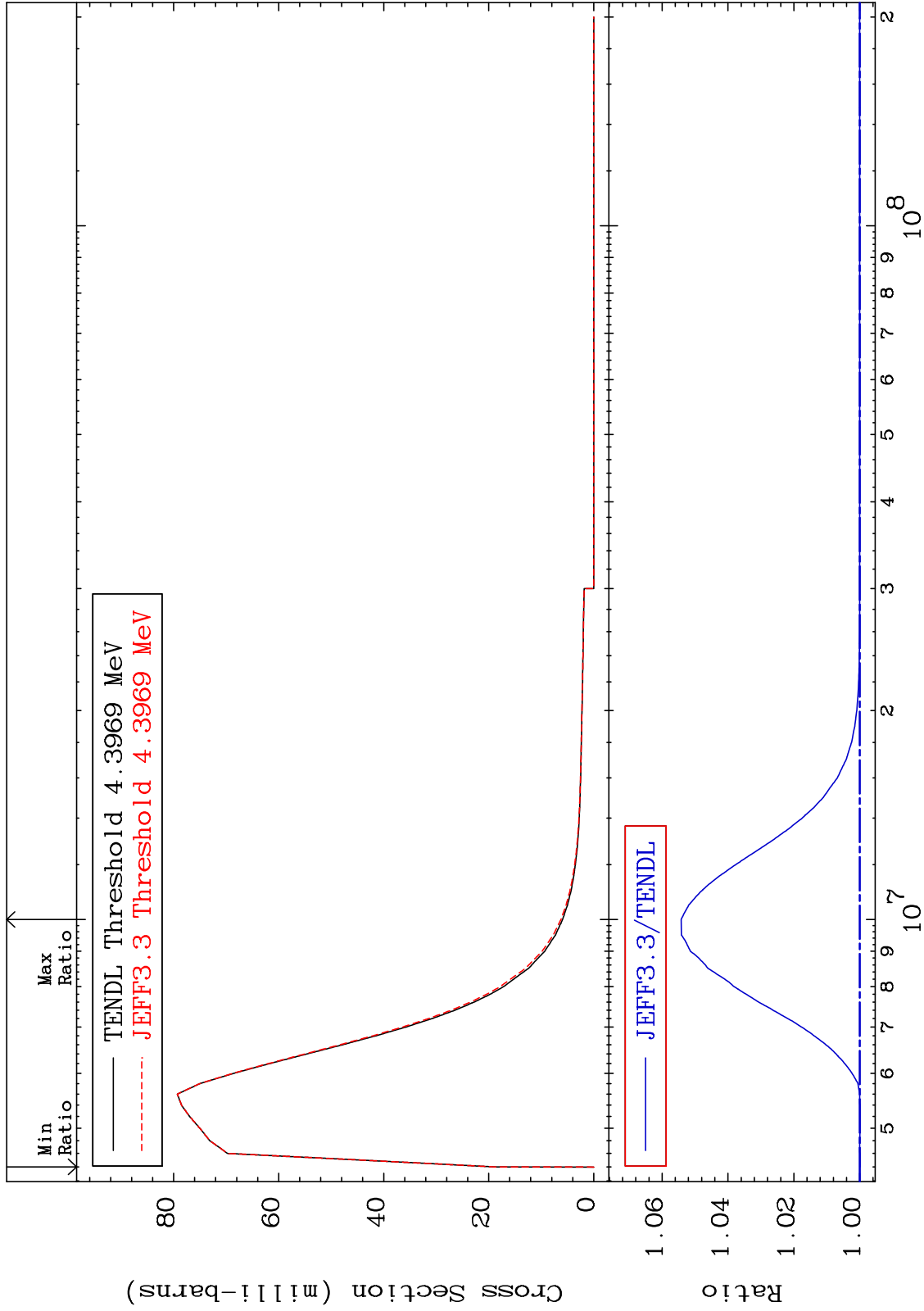
22-Ti-50
-0.001 To 5.981 %



MAT 2237

MT= 61 (n,n') Level
Cross Section

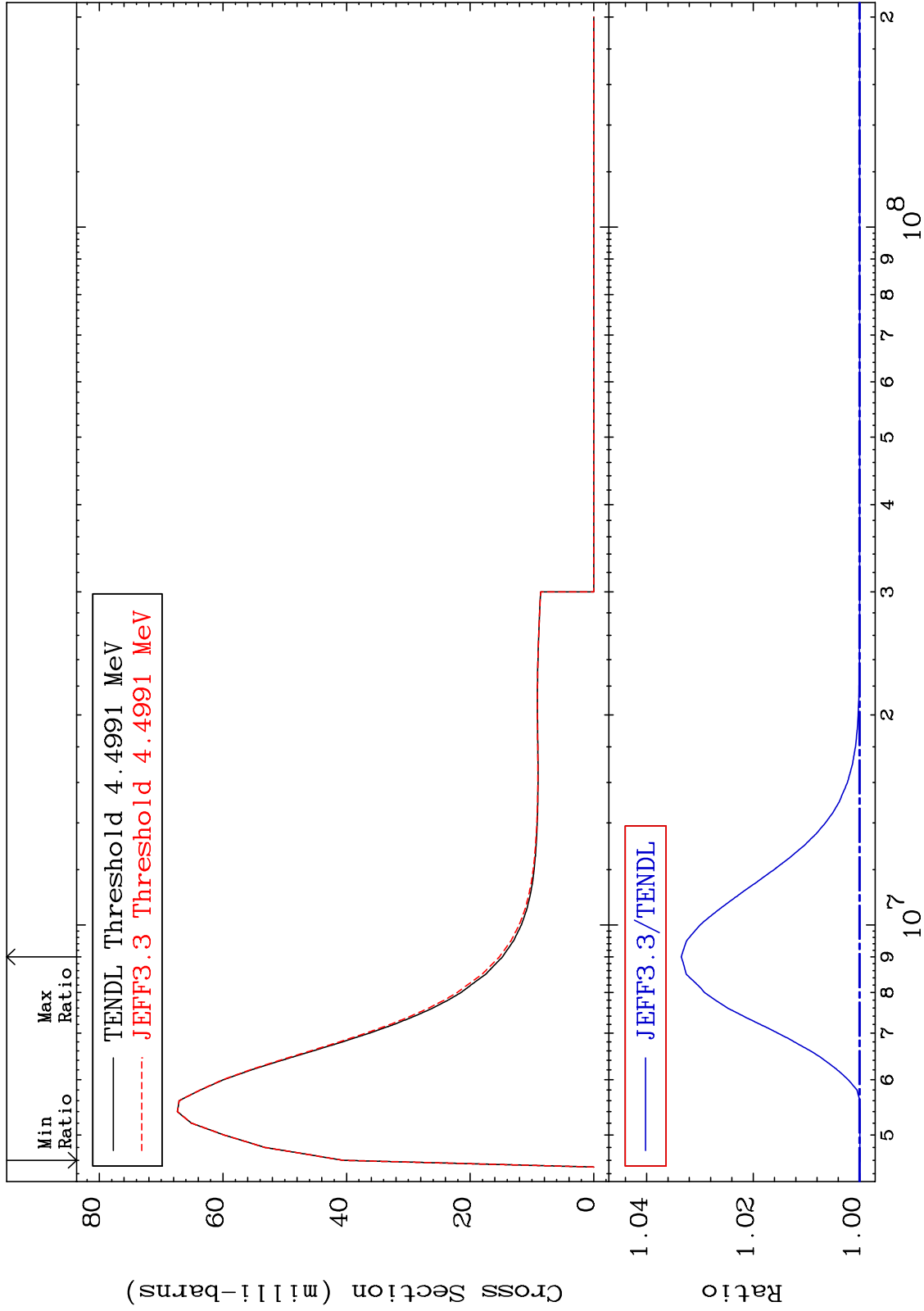
22-Ti-50
-0.006 To 5.420 %



MAT 2237

MT= 62 (n,n') Level
Cross Section

22-Ti-50
-0.006 To 3.352 %



25

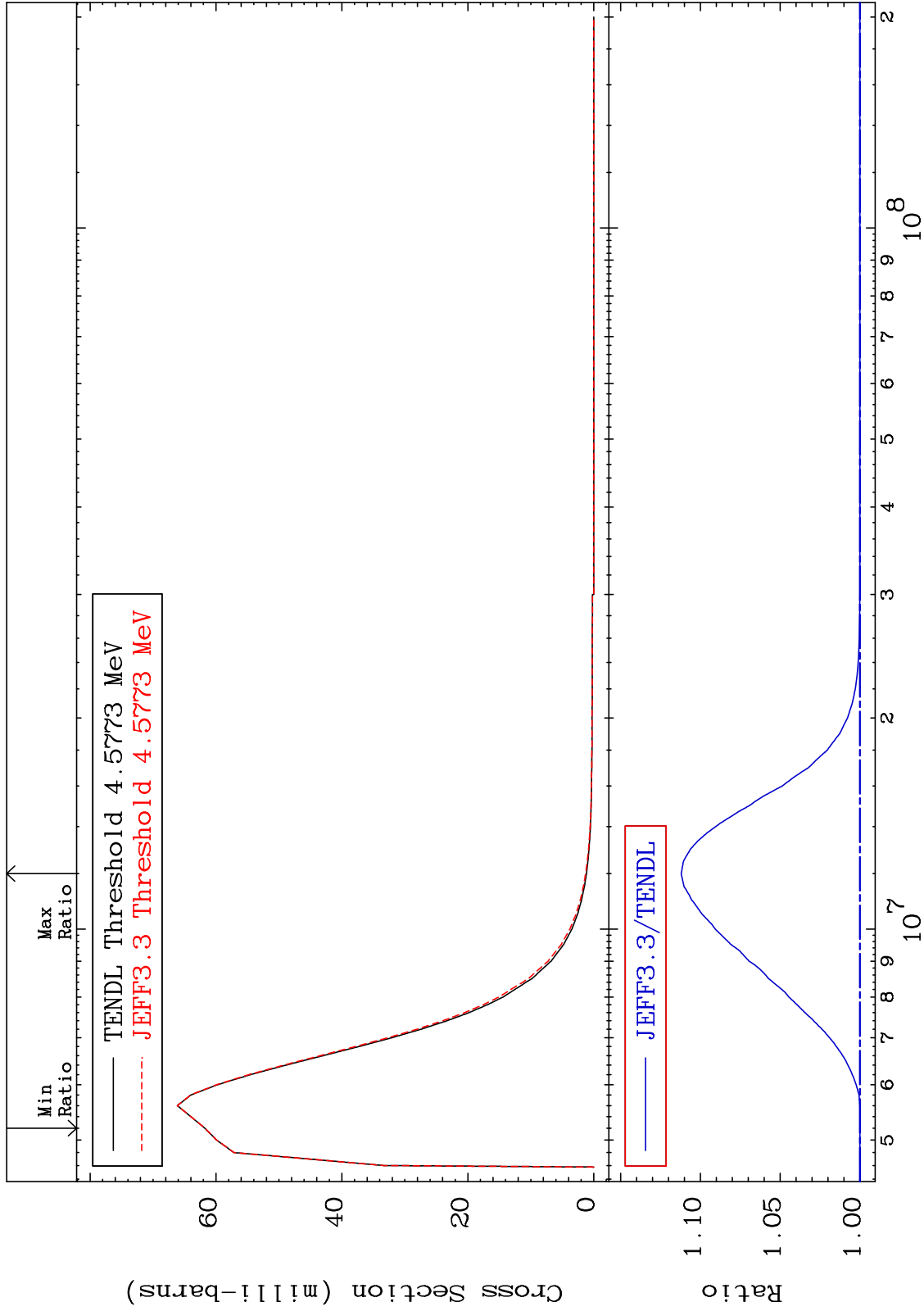
Incident Energy (eV)

22-Ti-50

MAT 2237

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

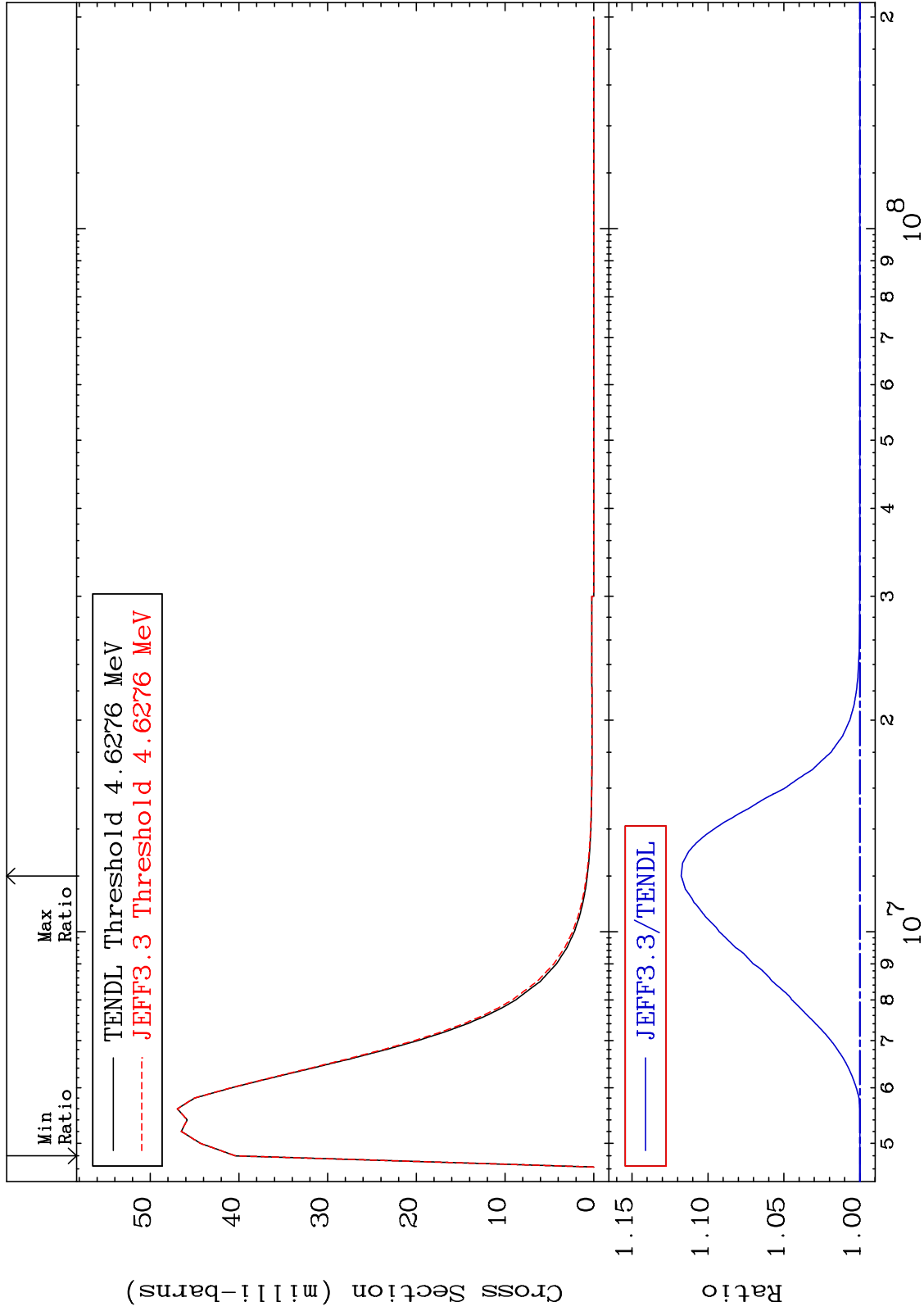
22-Ti-50
-0.001 To 11.20 %



MAT 2237

MT= 64 (n,n') Level
Cross Section

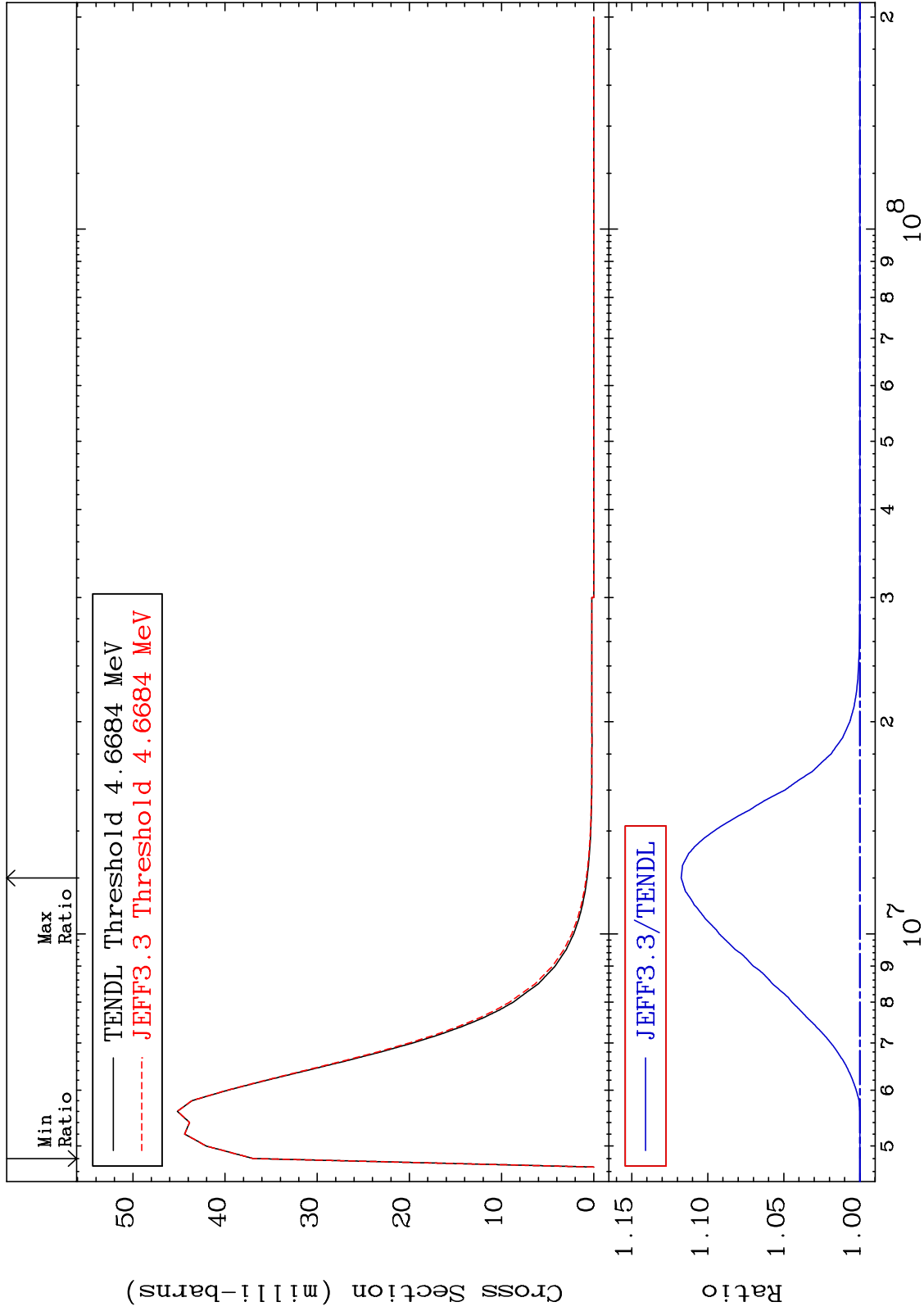
22-Ti-50
-0.005 To 11.76 %



MAT 2237

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

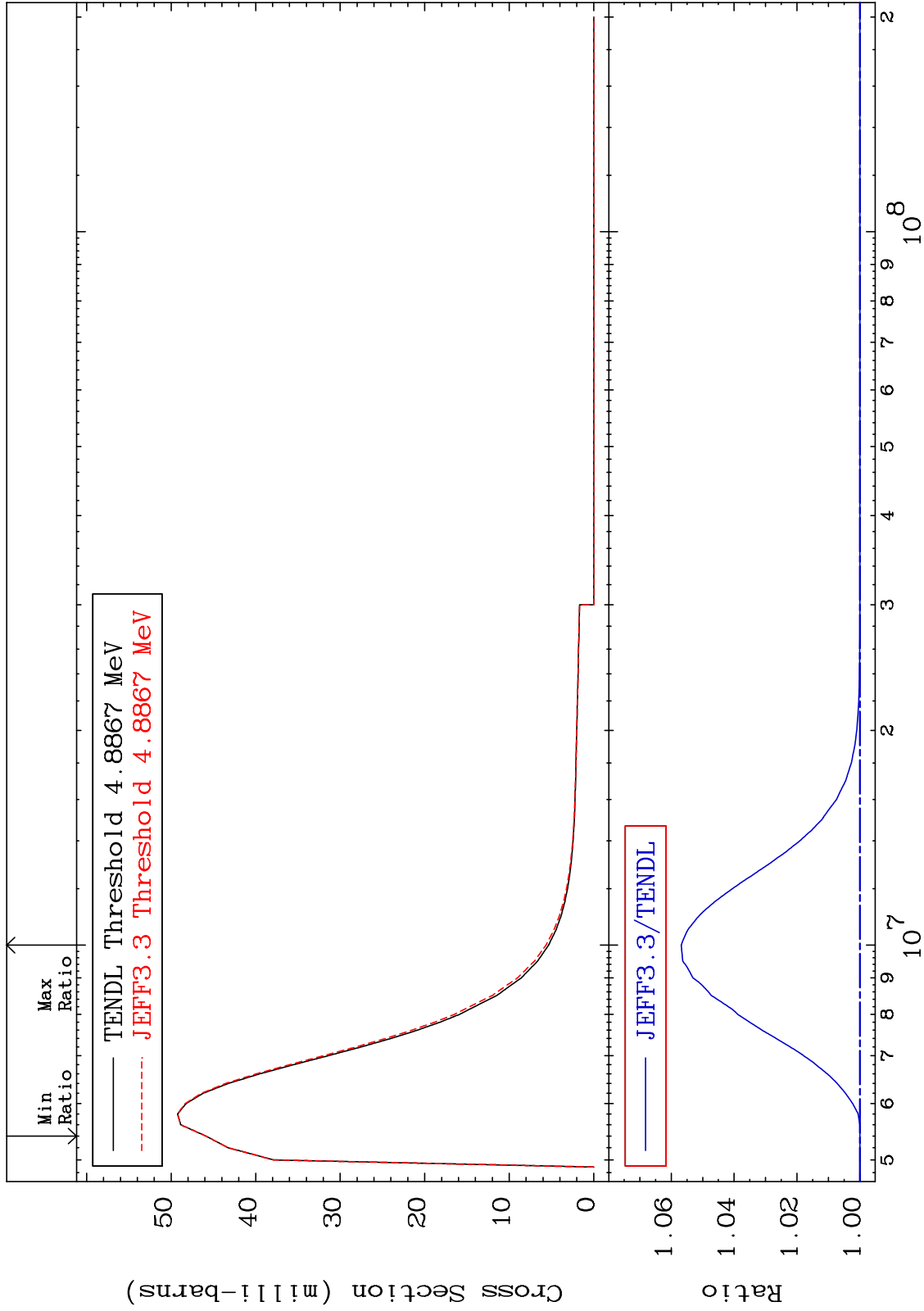
22-Ti-50
-0.005 To 11.74 %



MAT 2237

MT= 66 (n,n') Level
Cross Section

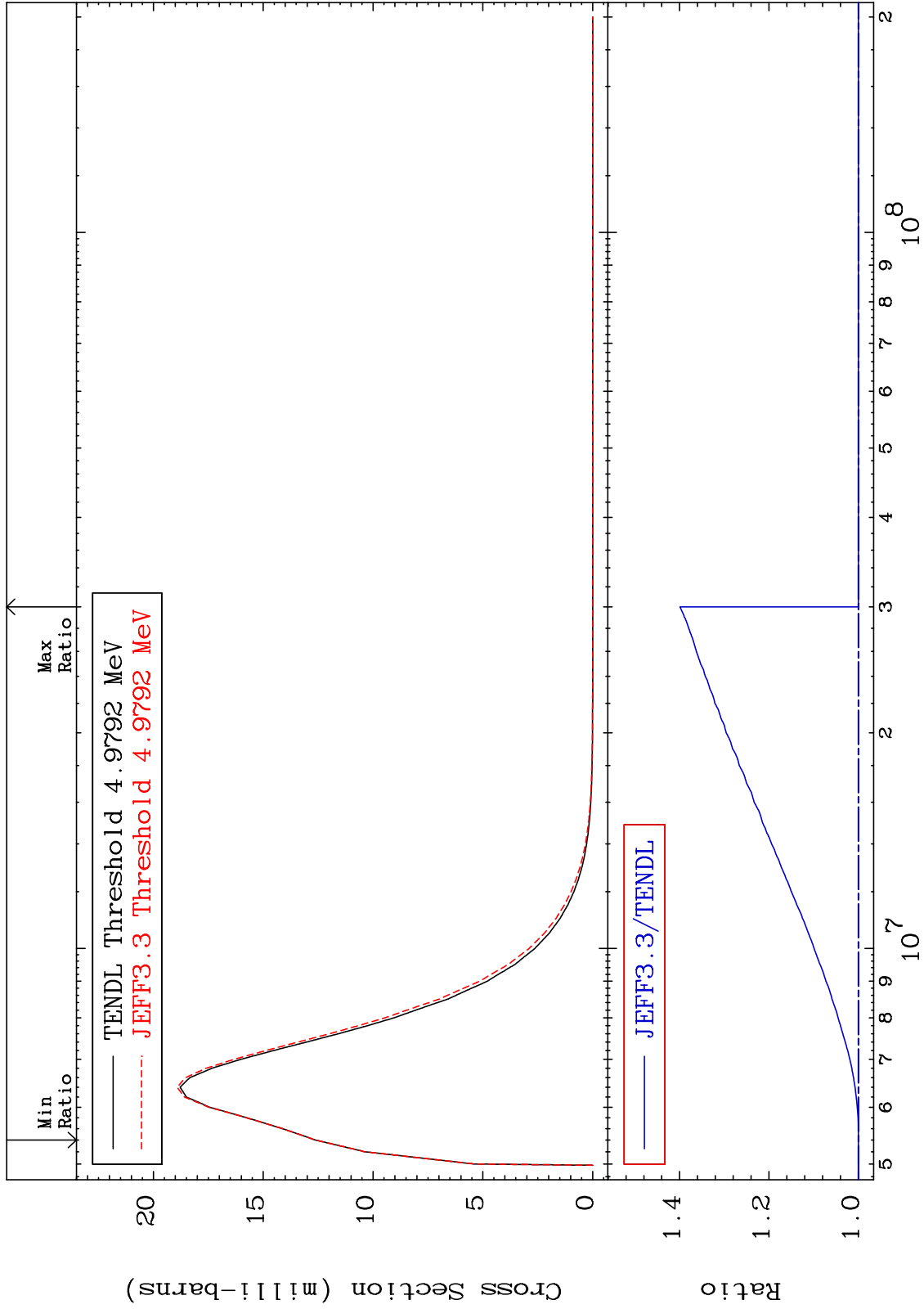
22-Ti-50
-0.001 To 5.683 %



MAT 2237

MT= 67 (n,n') Level
Cross Section

22-Ti-50
-0.003 To 39.91 %



30

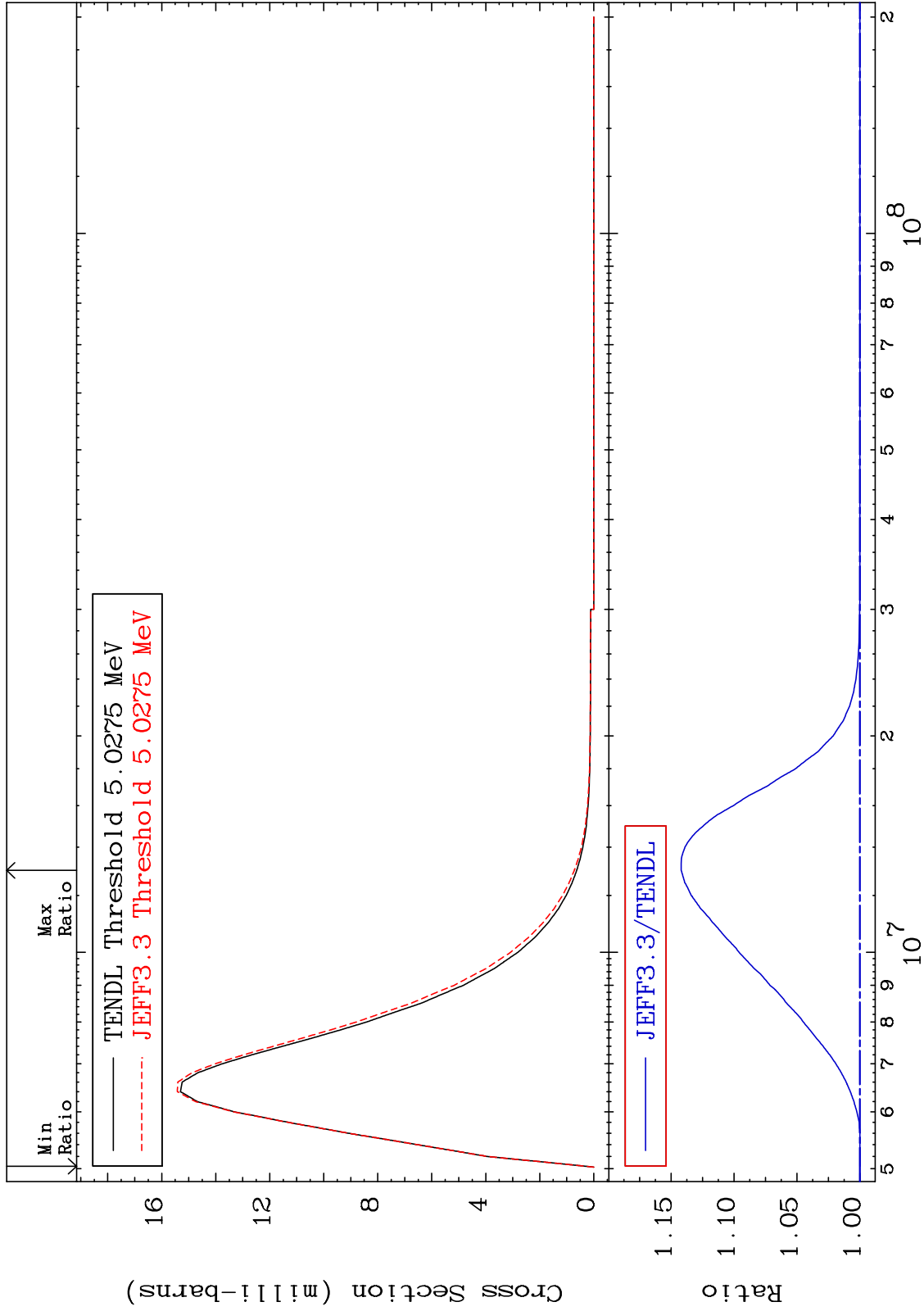
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 68 (n,n') Level
Cross Section

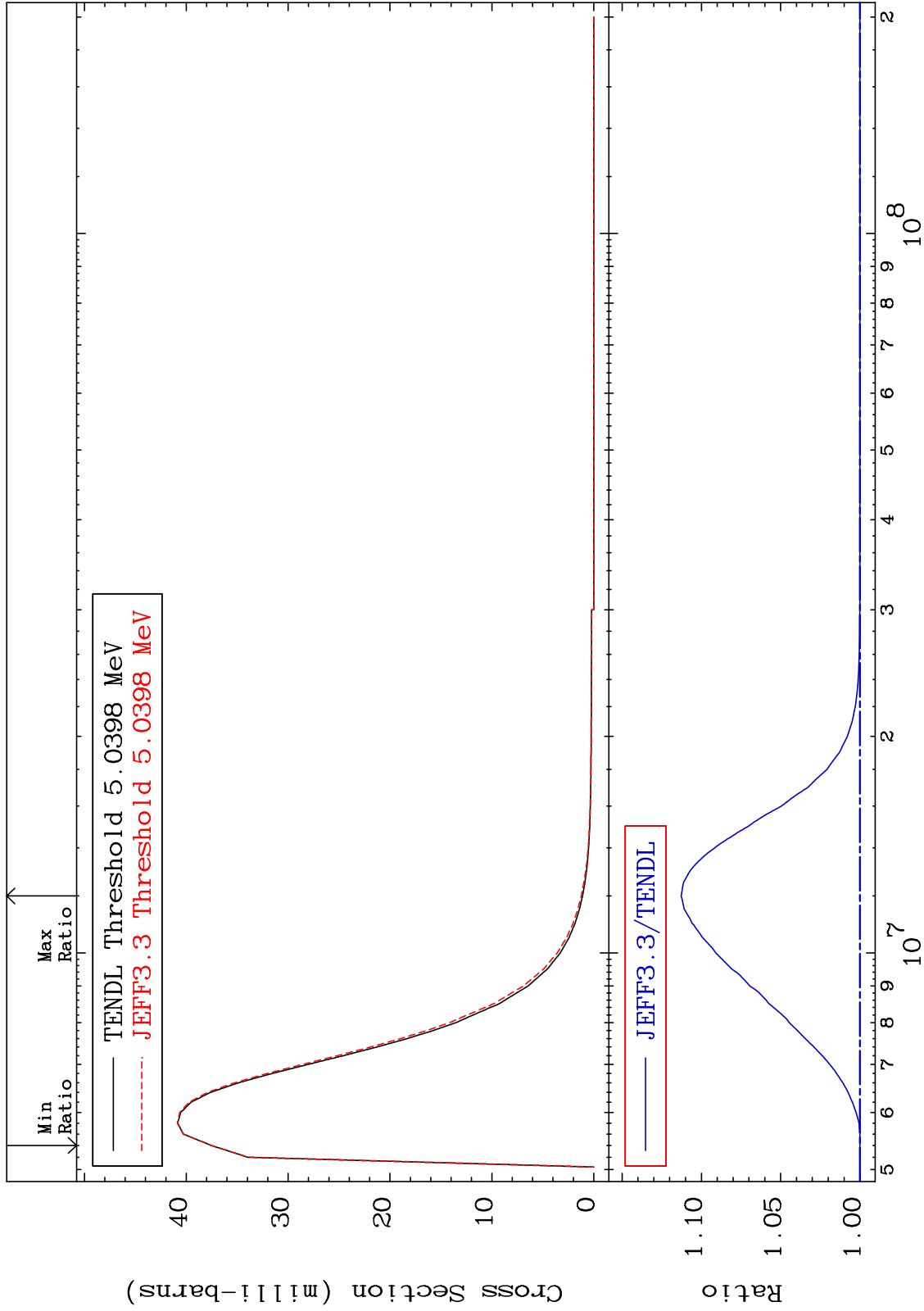
22-Ti-50
-0.007 To 14.20 %



MAT 2237

MT= 69 (n,n') Level
Cross Section

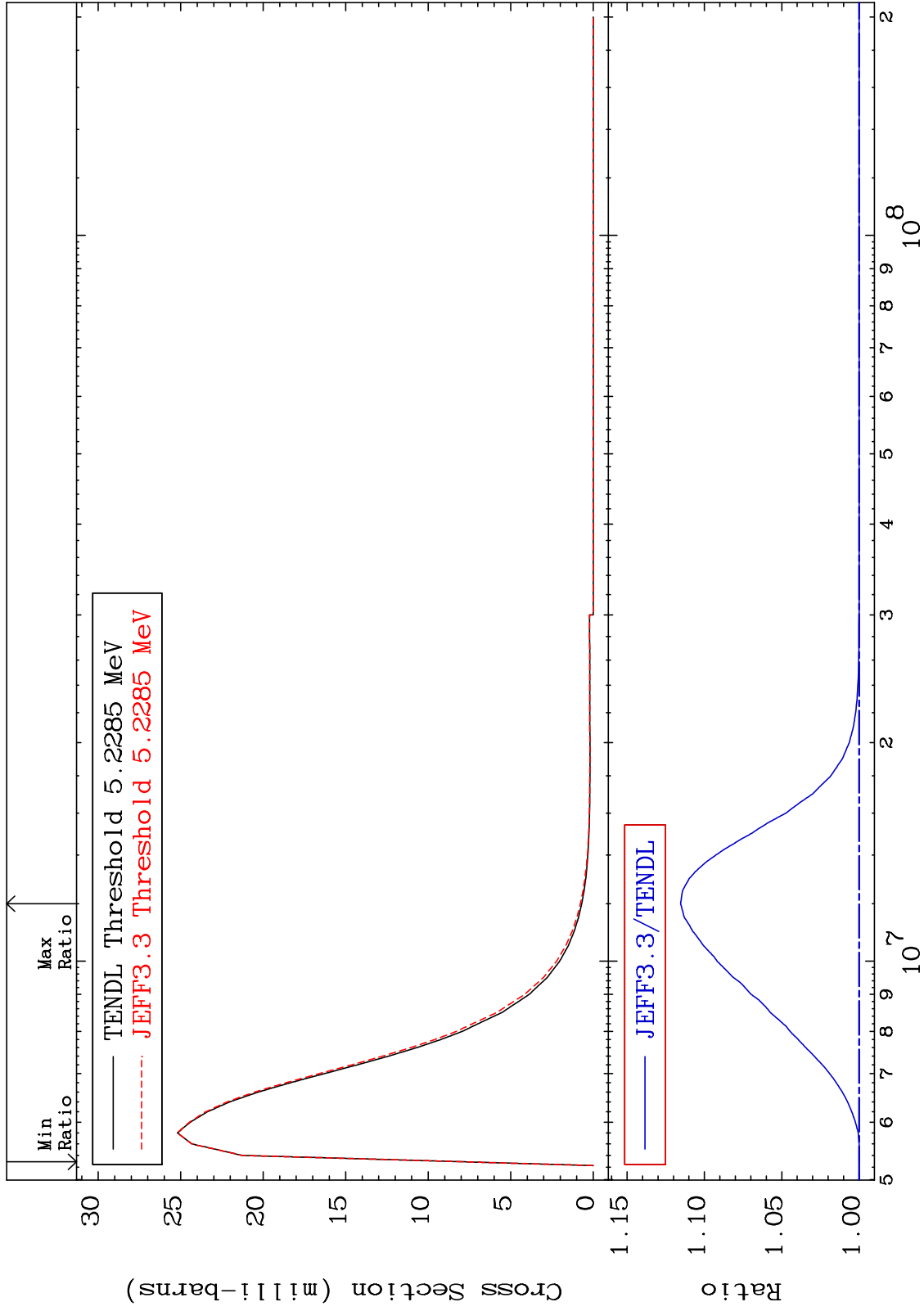
0.000 To 11.27 %
22-Ti-50



MAT 2237

MT= 70 (n,n') Level
Cross Section

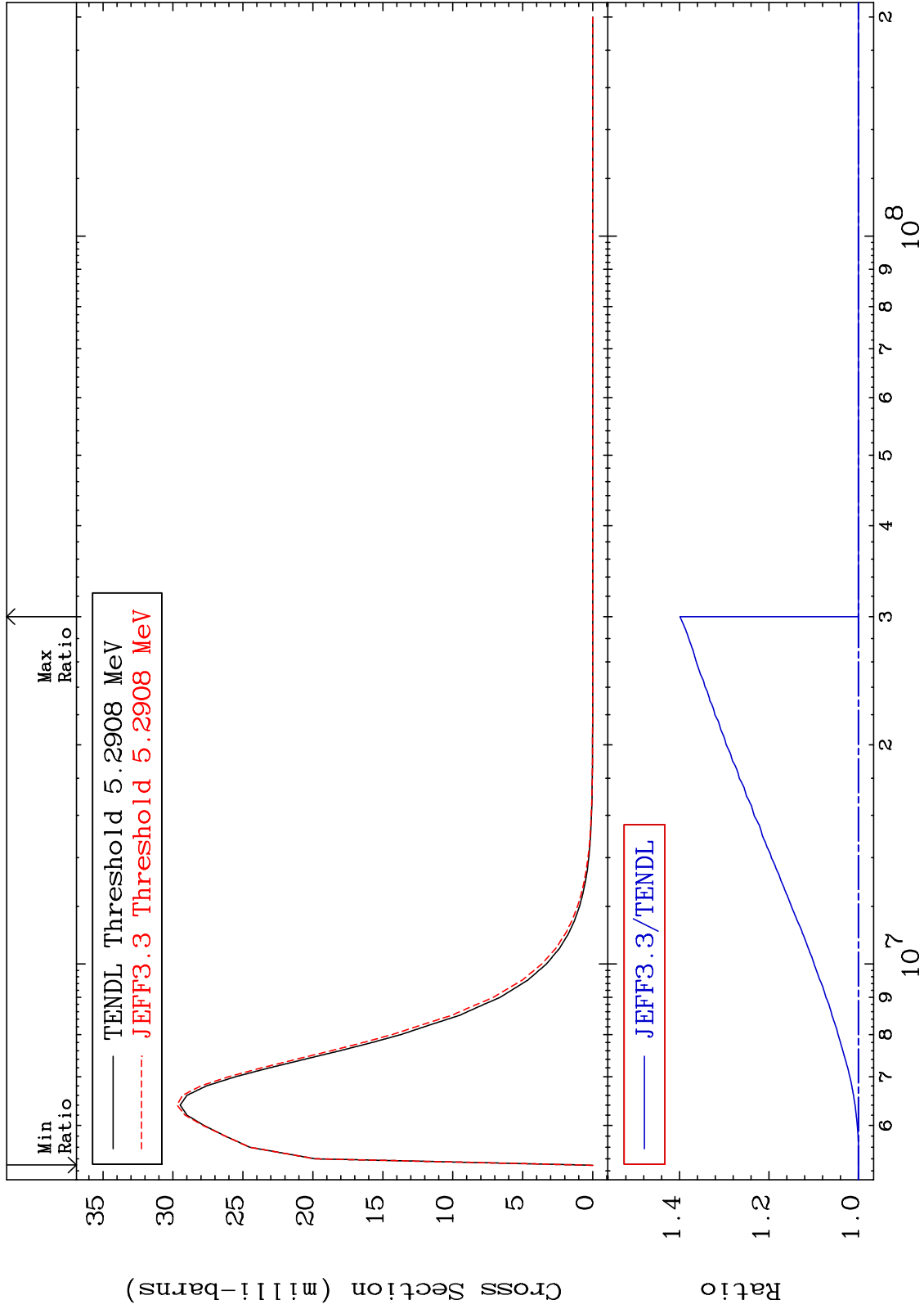
22-Ti-50
-0.004 To 11.54 %



MAT 2237

MT= 71 (n,n') Level
Cross Section

22-Ti-50
-0.002 To 39.88 %



34

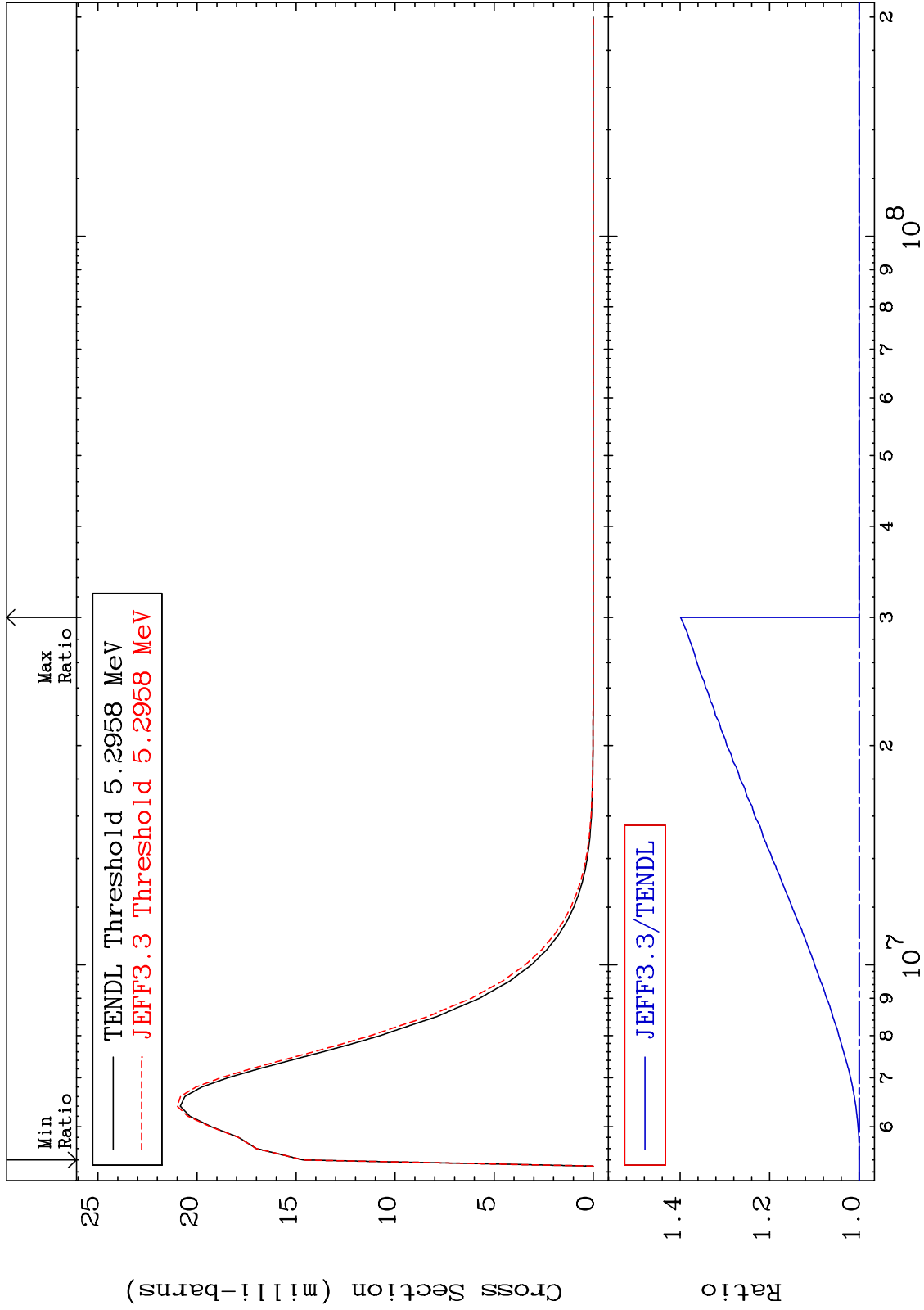
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 72 (n,n') Level
Cross Section

22-Ti-50
-0.005 To 39.89 %



35

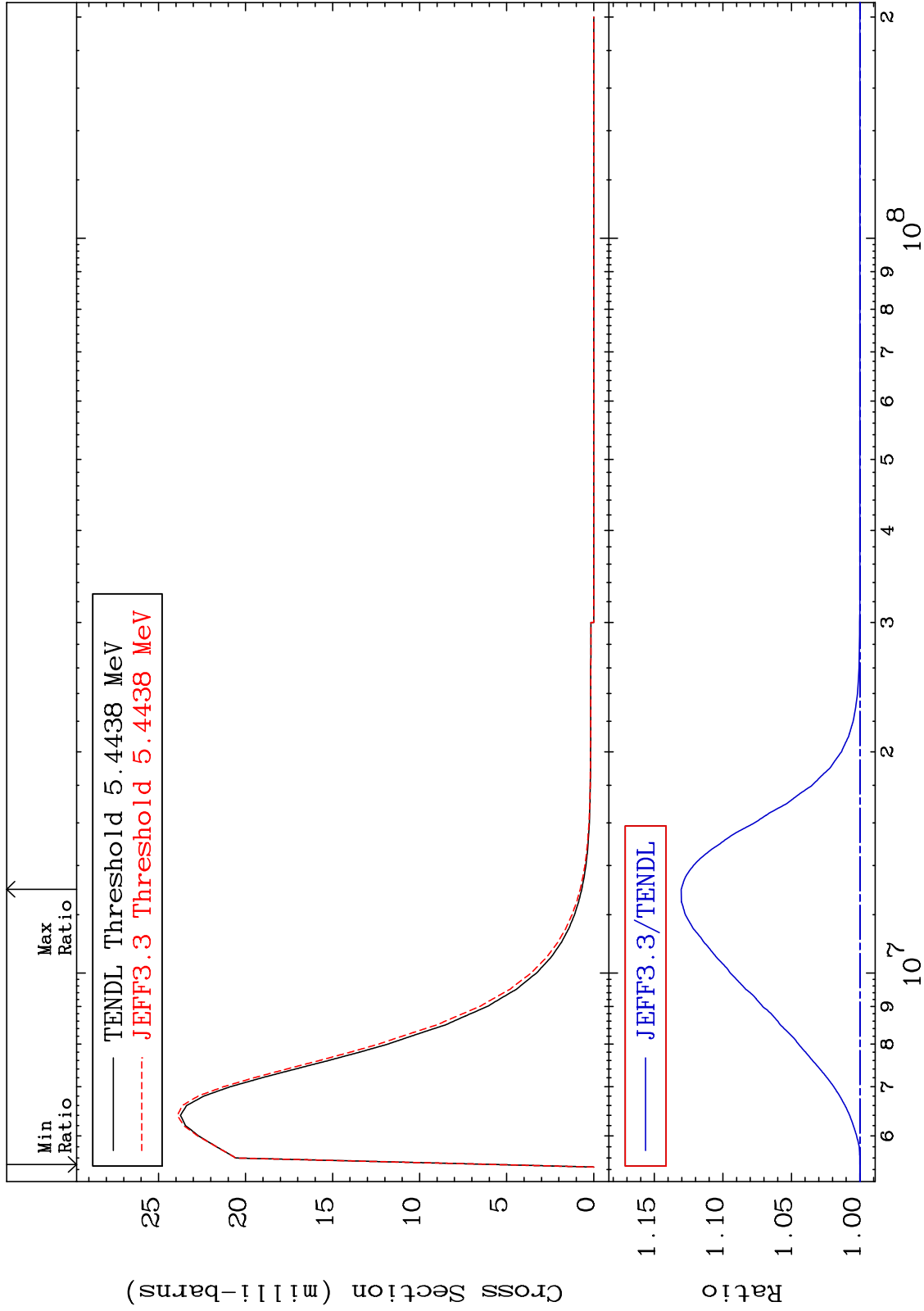
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 73 (n,n') Level
Cross Section

0.000 To 13.04 %
22-Ti-50



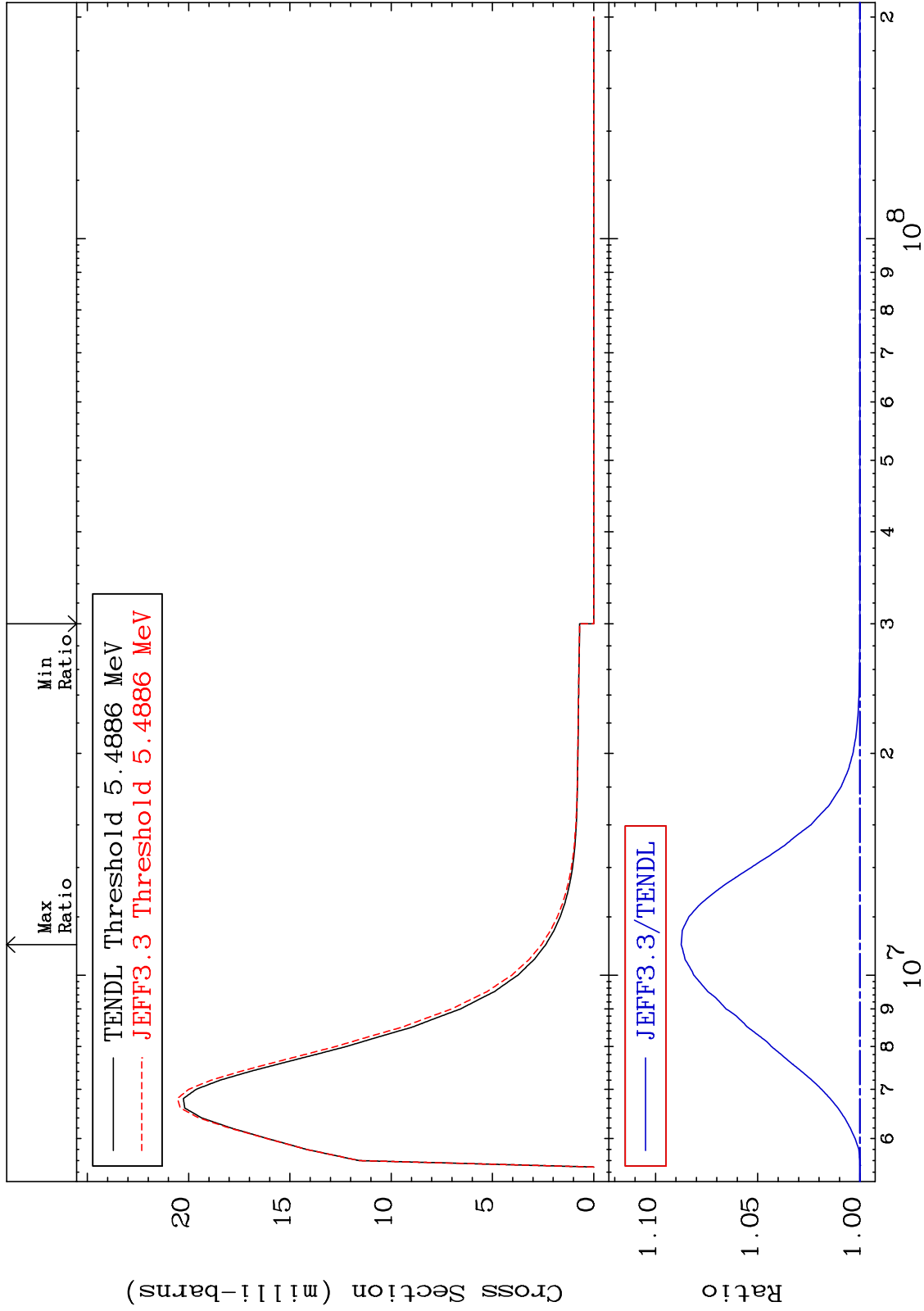
36

22-Ti-50

MAT 2237

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

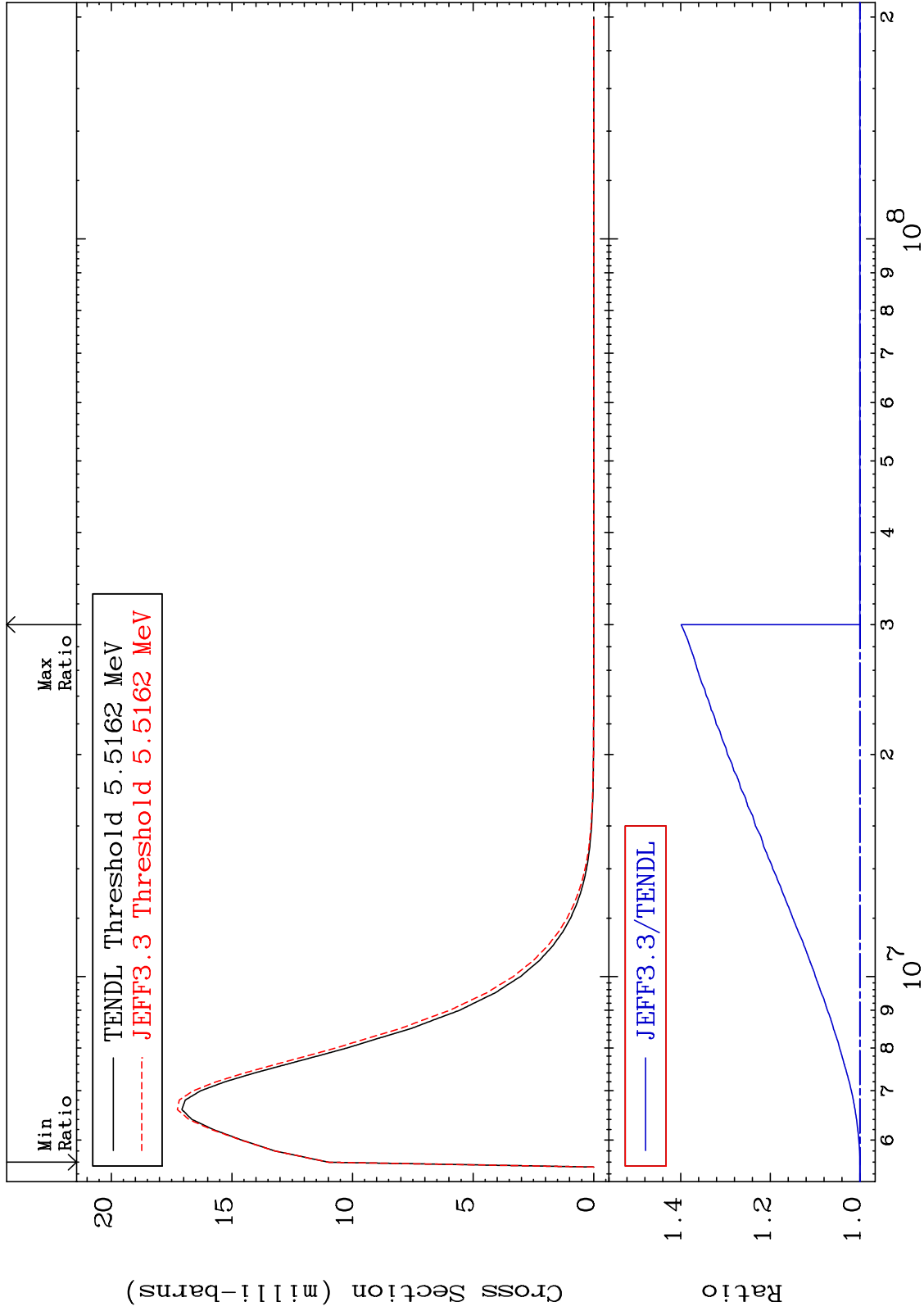
22-Ti-50
0.000 To 8.742 %



MAT 2237

MT= 75 (n,n') Level
Cross Section

22-Ti-50
-0.002 To 39.89 %



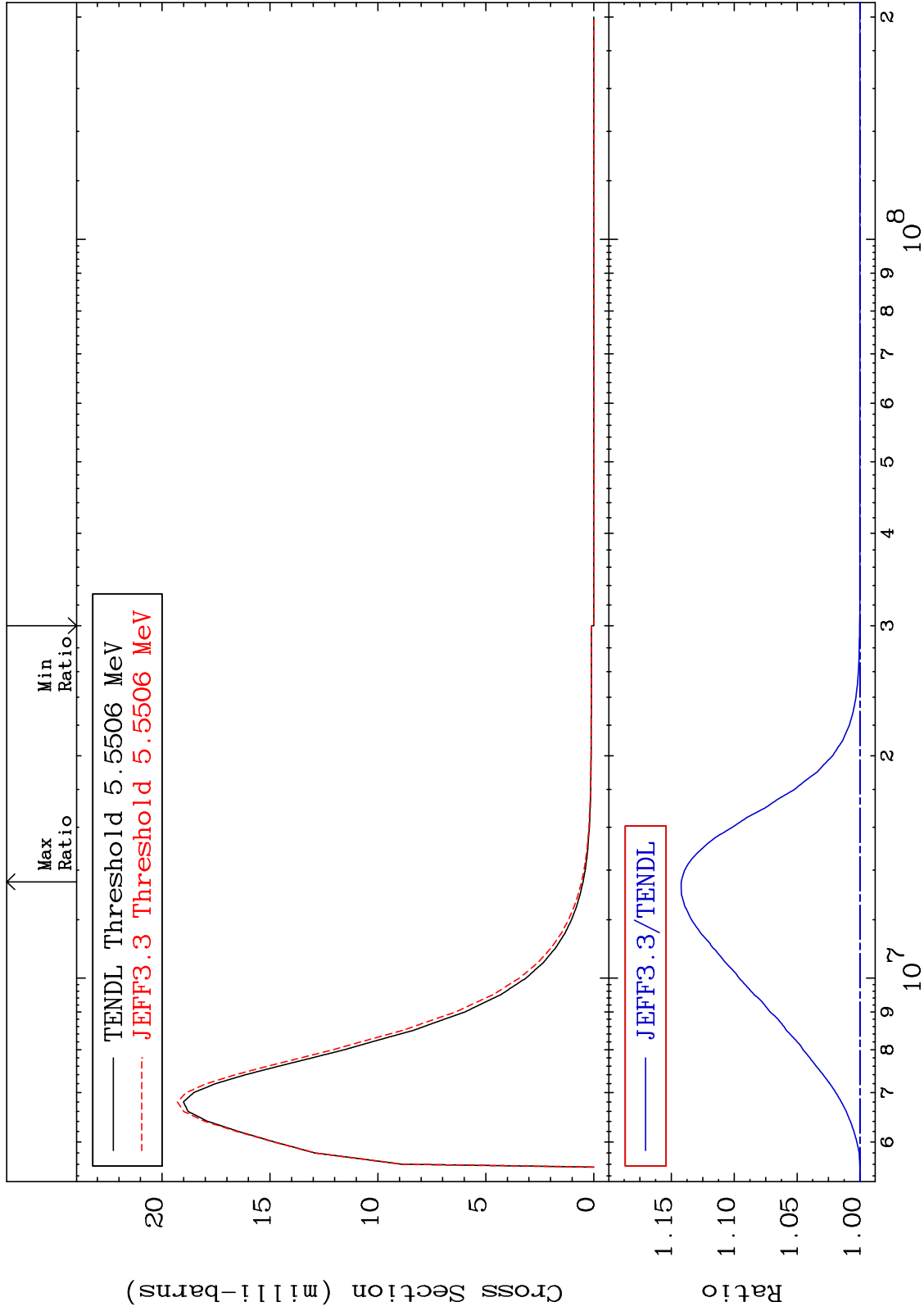
38

22-Ti-50

MAT 2237

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

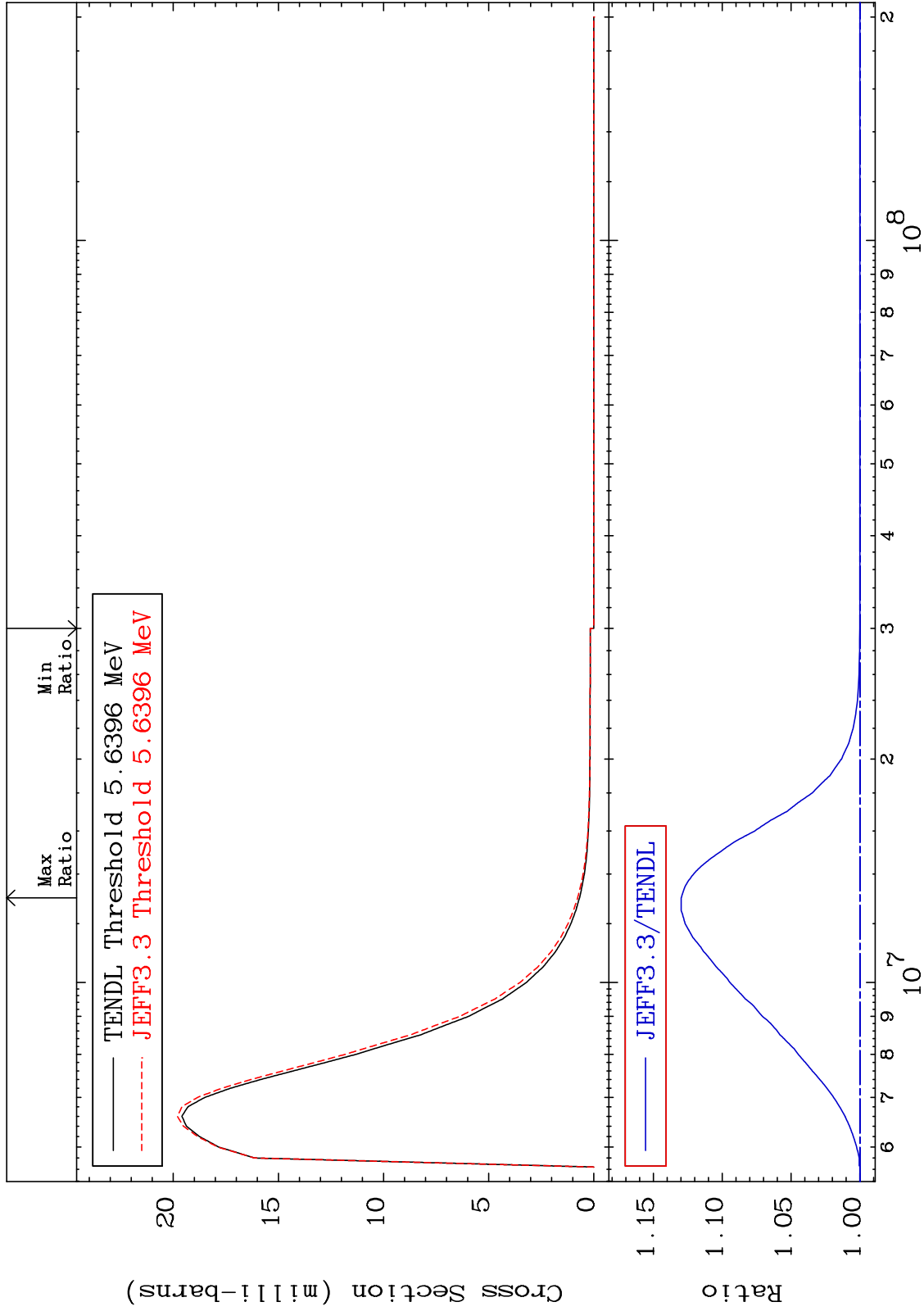
0.000 To 14.22 %
22-Ti-50



MAT 2237

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

22-Ti-50
0.000 To 12.98 %



40

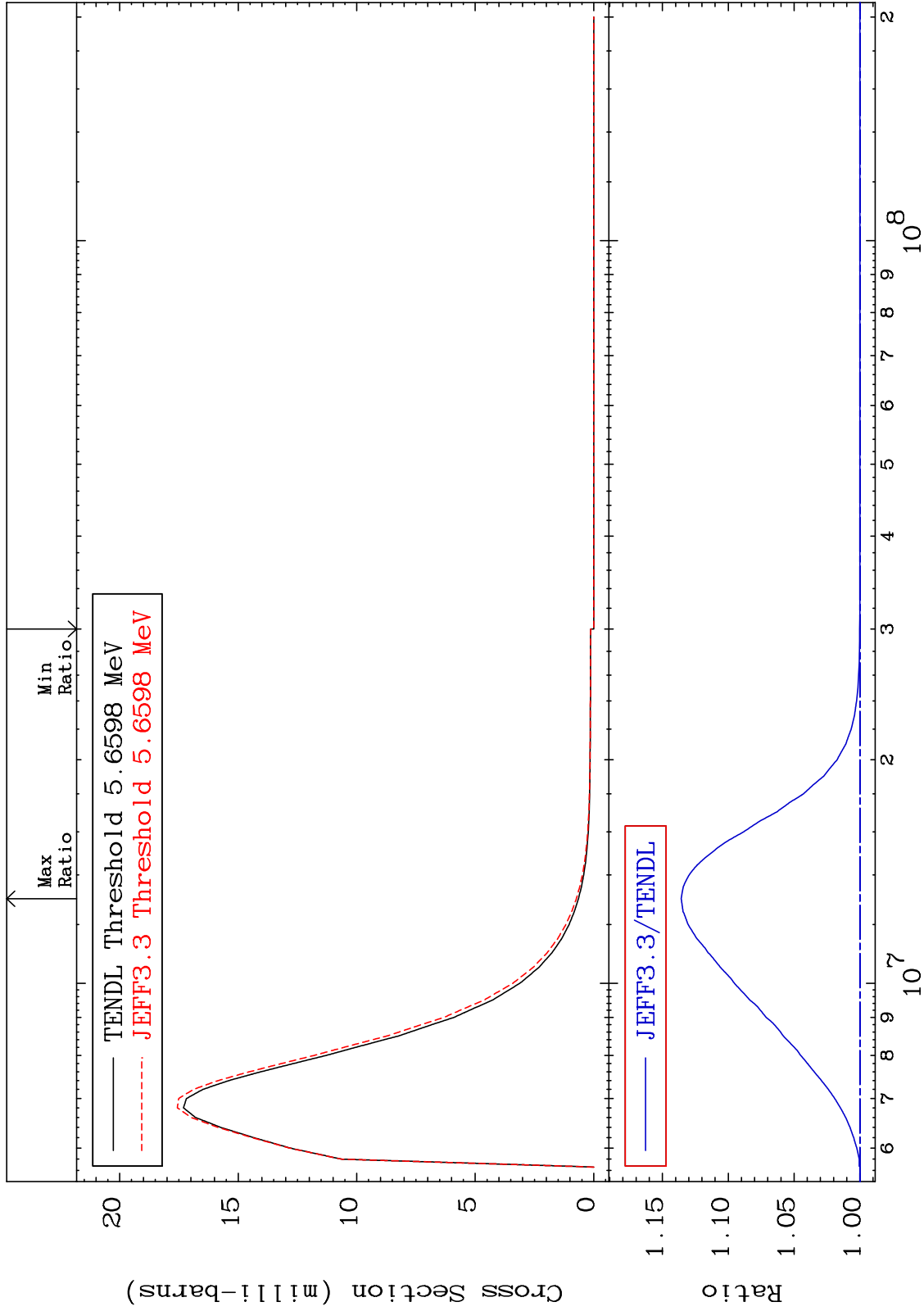
Incident Energy (eV)

22-Ti-50

MAT 2237

MT= 78 (n,n') Level
Cross Section

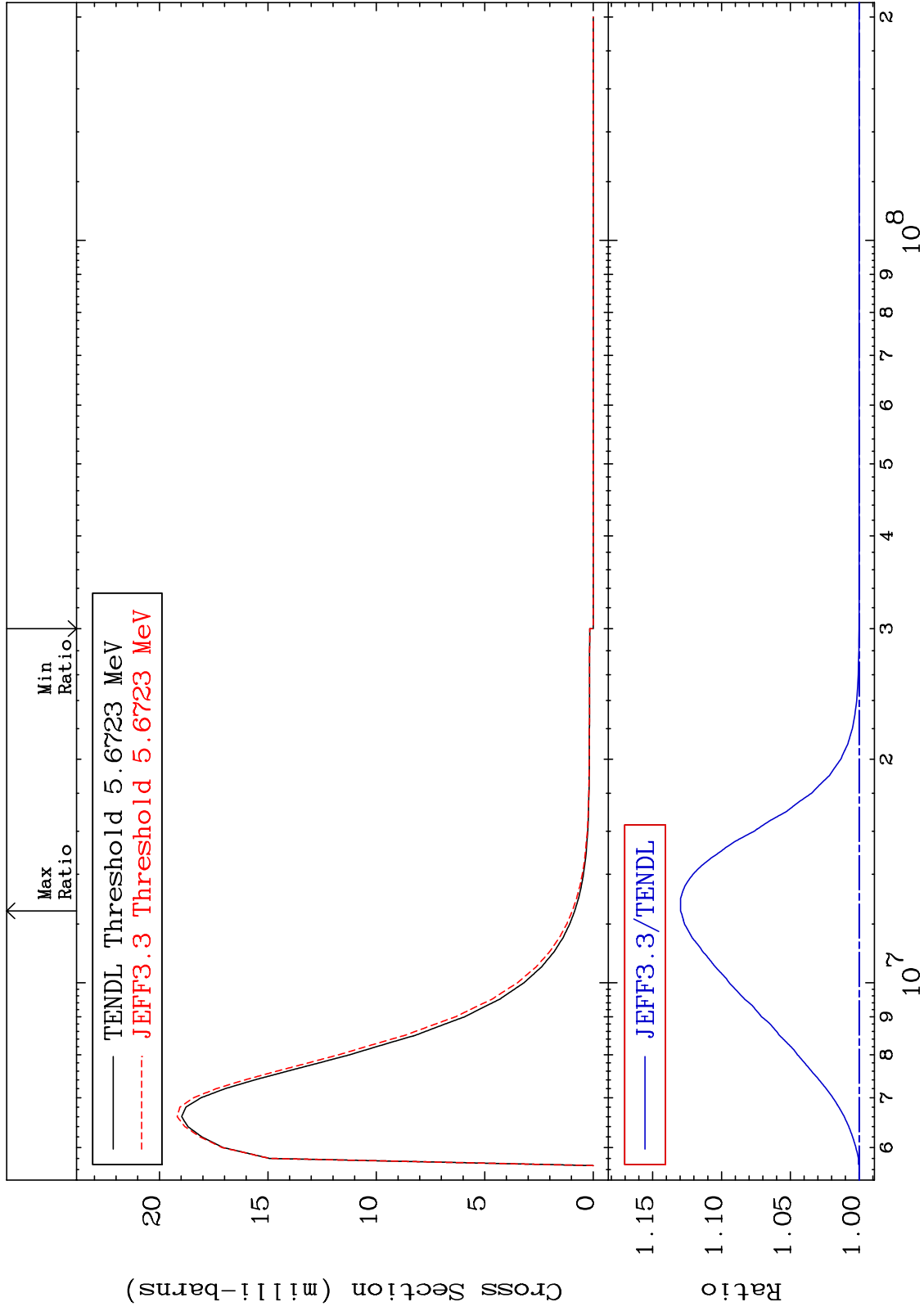
22-Ti-50
0.000 To 13.57 %



MAT 2237

MT= 79 (n,n') Level
Cross Section

22-Ti-50
0.000 To 12.97 %



42

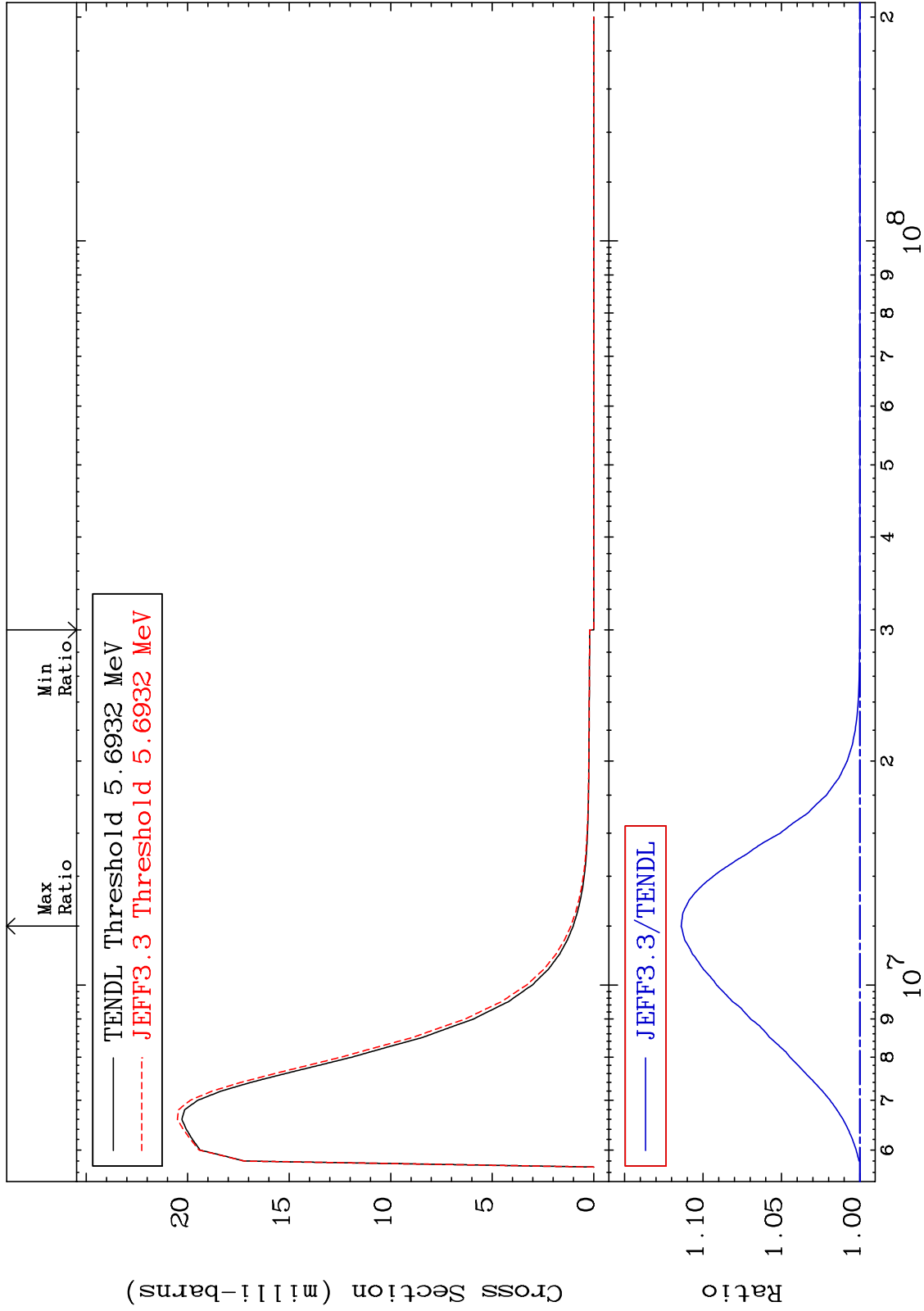
Incident Energy (eV)

22-Ti-50

MAT 2237

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

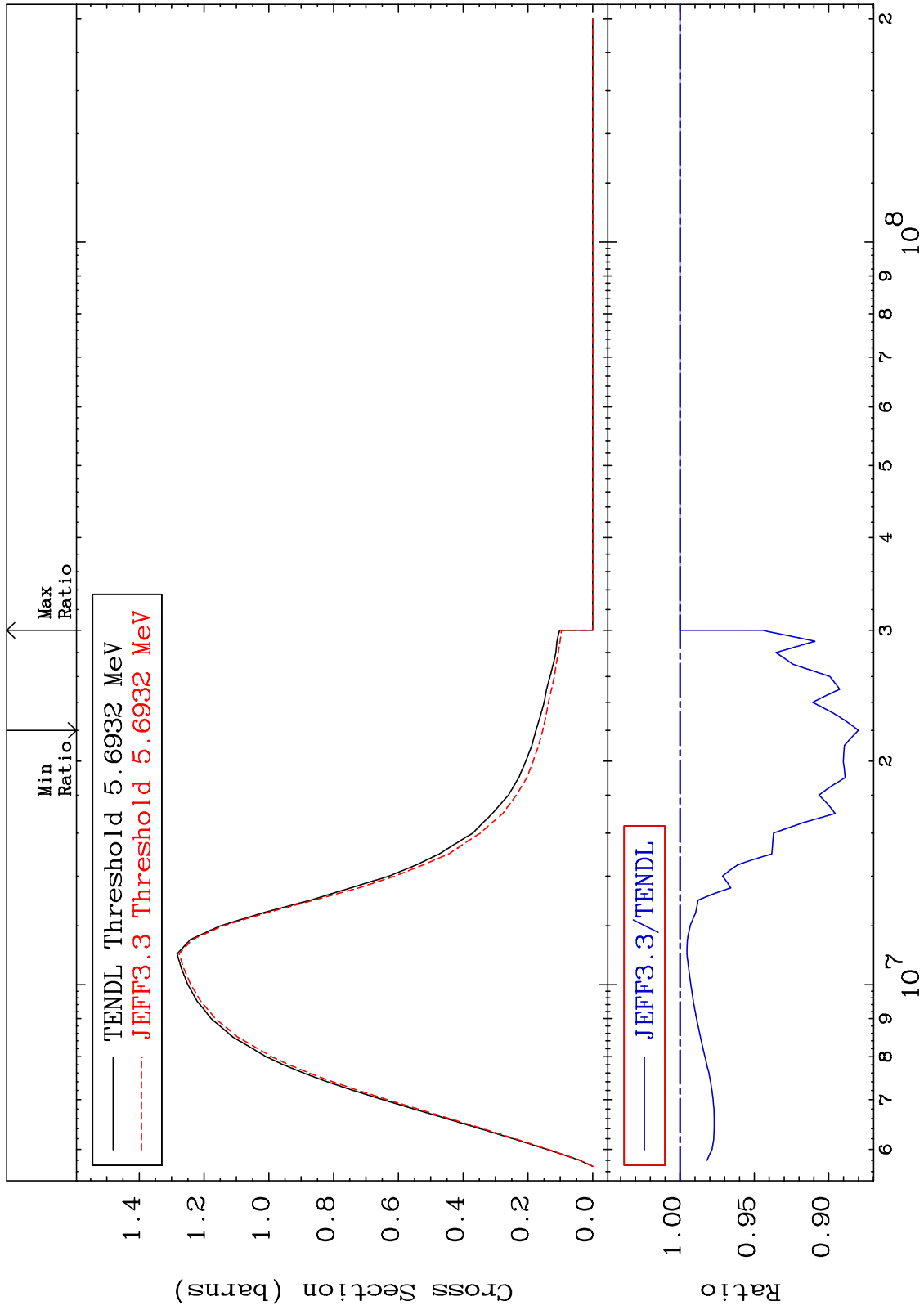
0.000 To 11.39 %
22-Ti-50



MAT 2237

(n, n') Continuum
Cross Section

22-Ti-50
-11.99 To 0.000 %



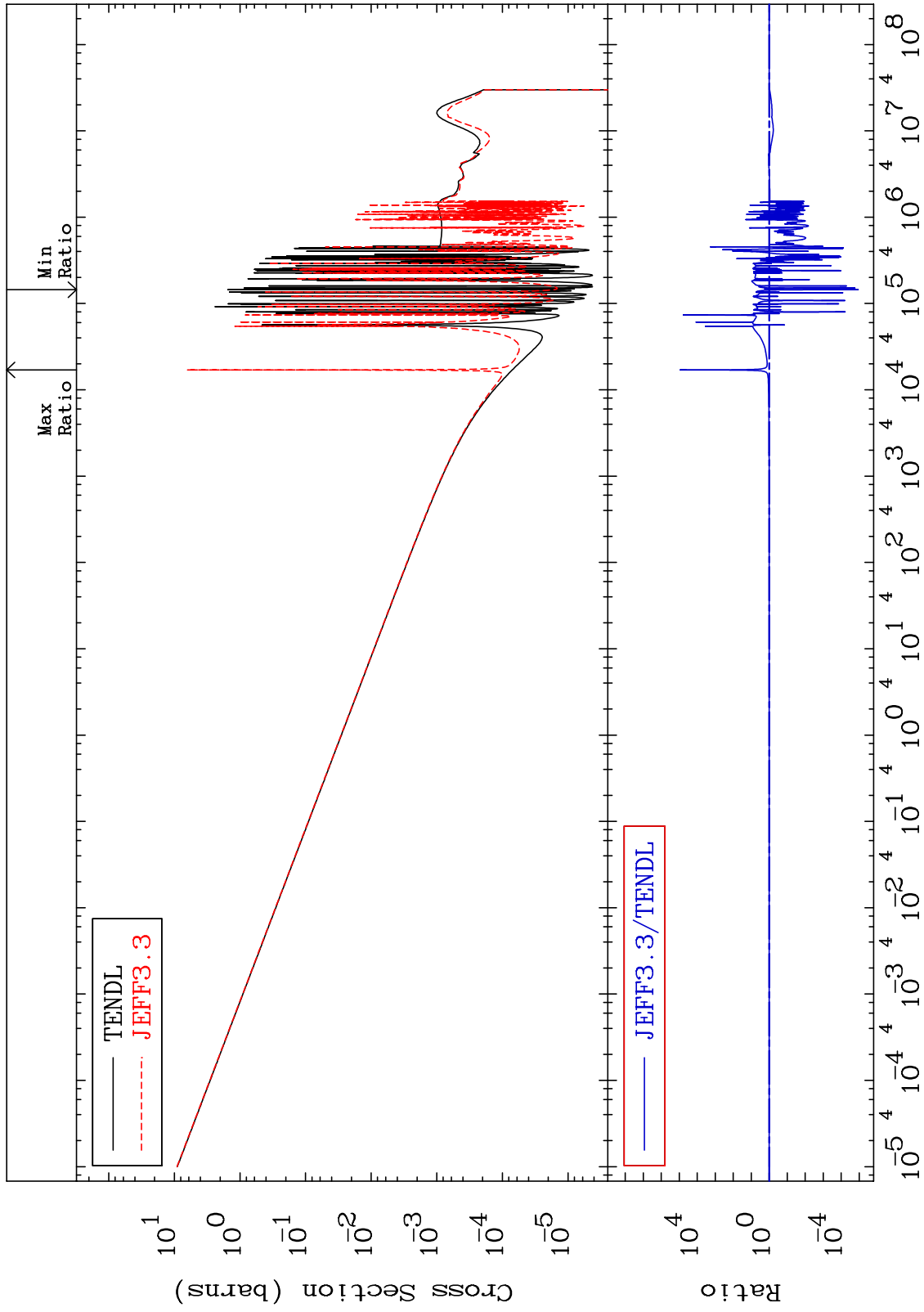
MAT 2237

(n, γ)

22-Ti-50

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

22-Ti-50

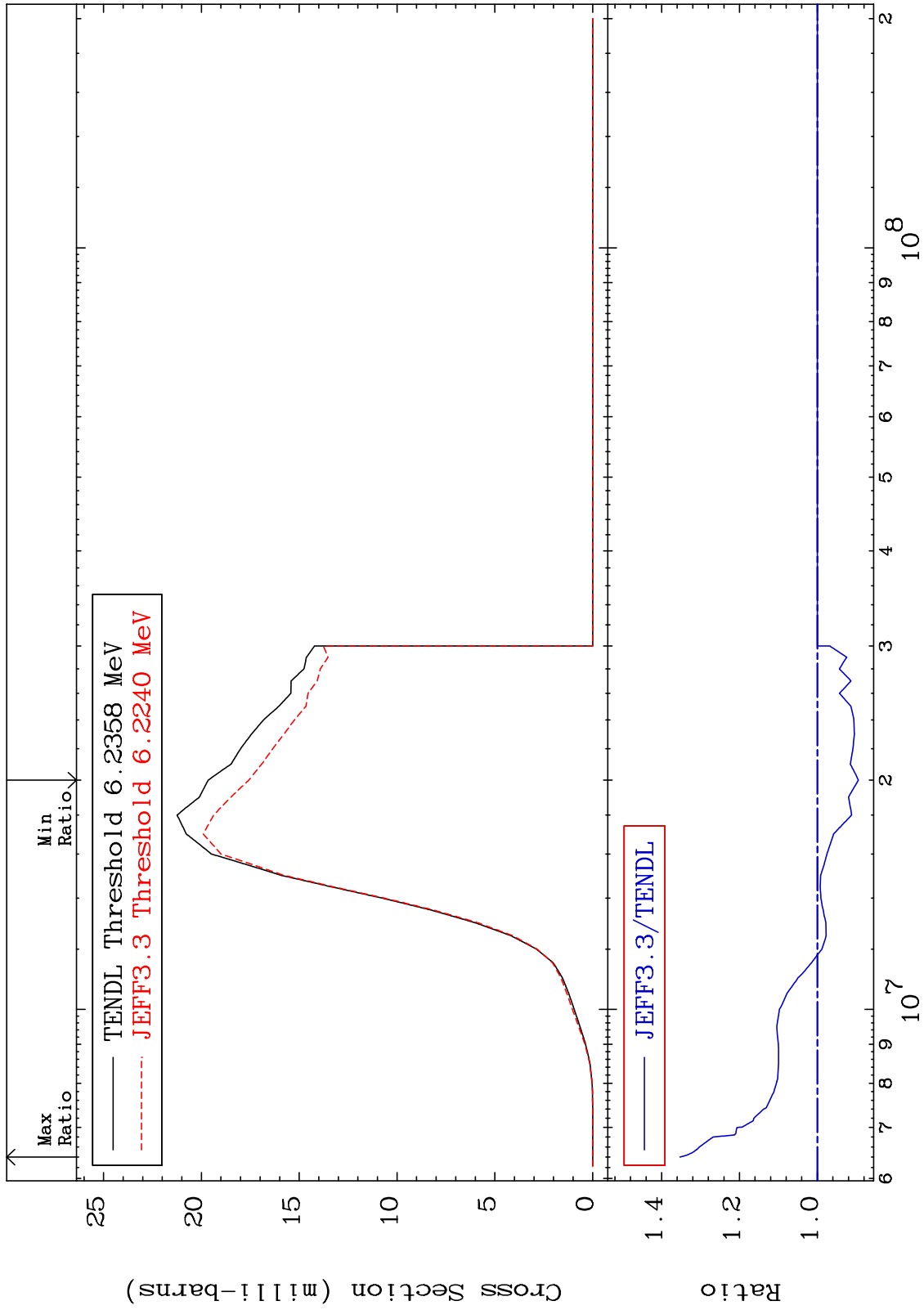
MAT 2237

(n,p)

22-Ti-50

Cross Section

-10.56 To 35.28 %



46

22-Ti-50

22-Ti-50

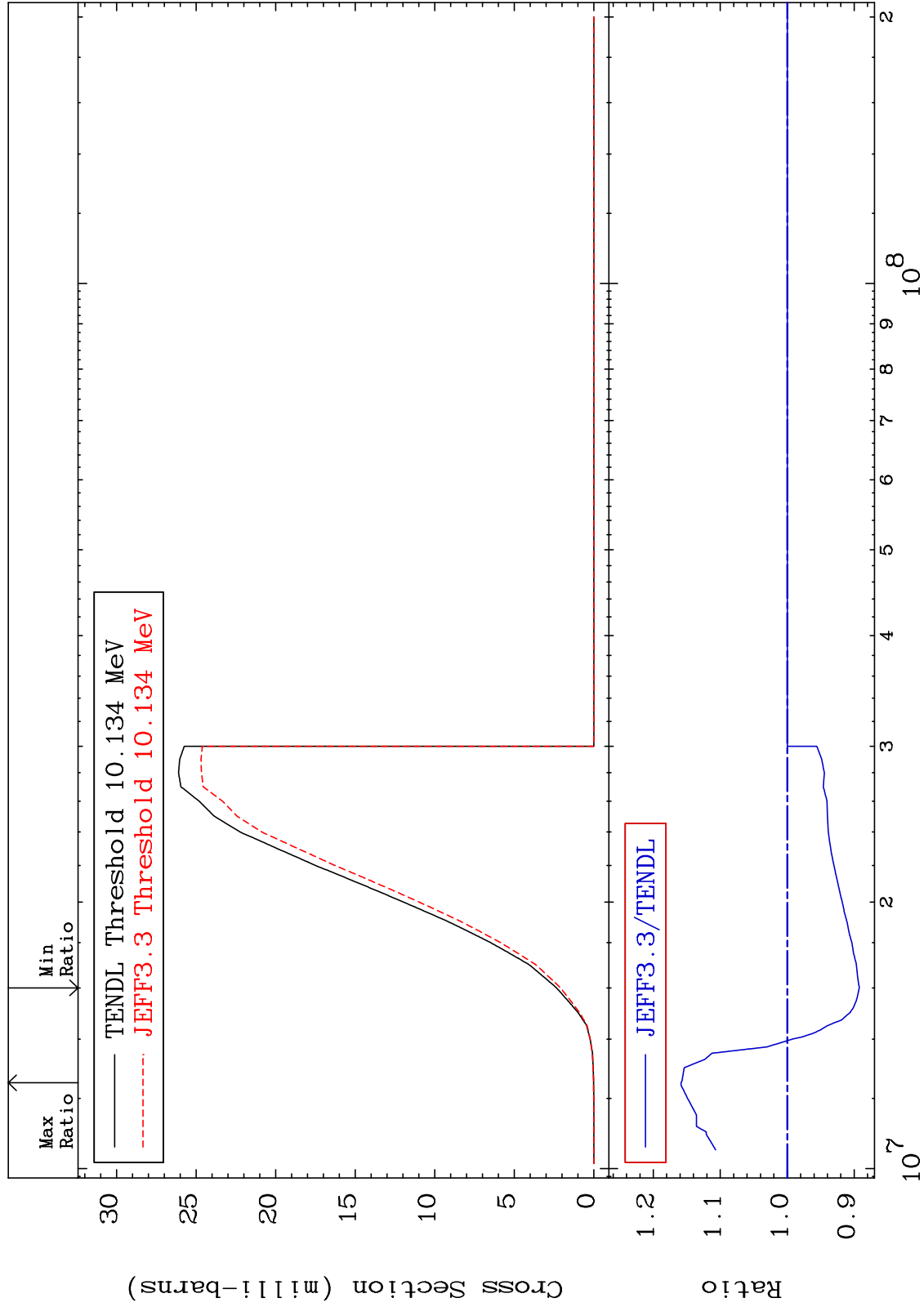
MAT 2237

(n, d)

22-Ti-50

Cross Section

-10.76 To 15.86 %



Incident Energy (eV)

22-Ti-50

47

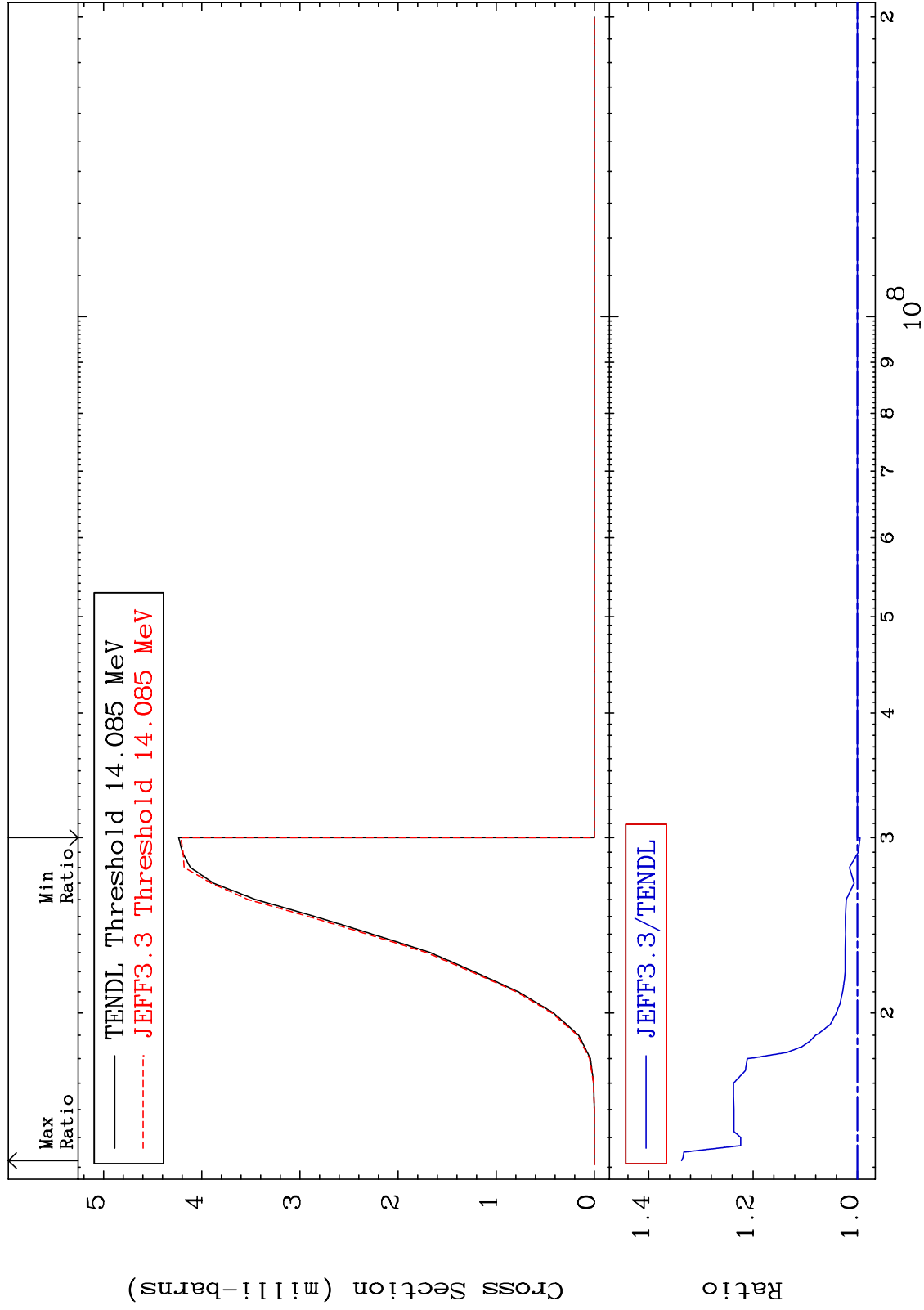
MAT 2237

(n, t)

22-Ti-50

Cross Section

-0.512 To 33.69 %



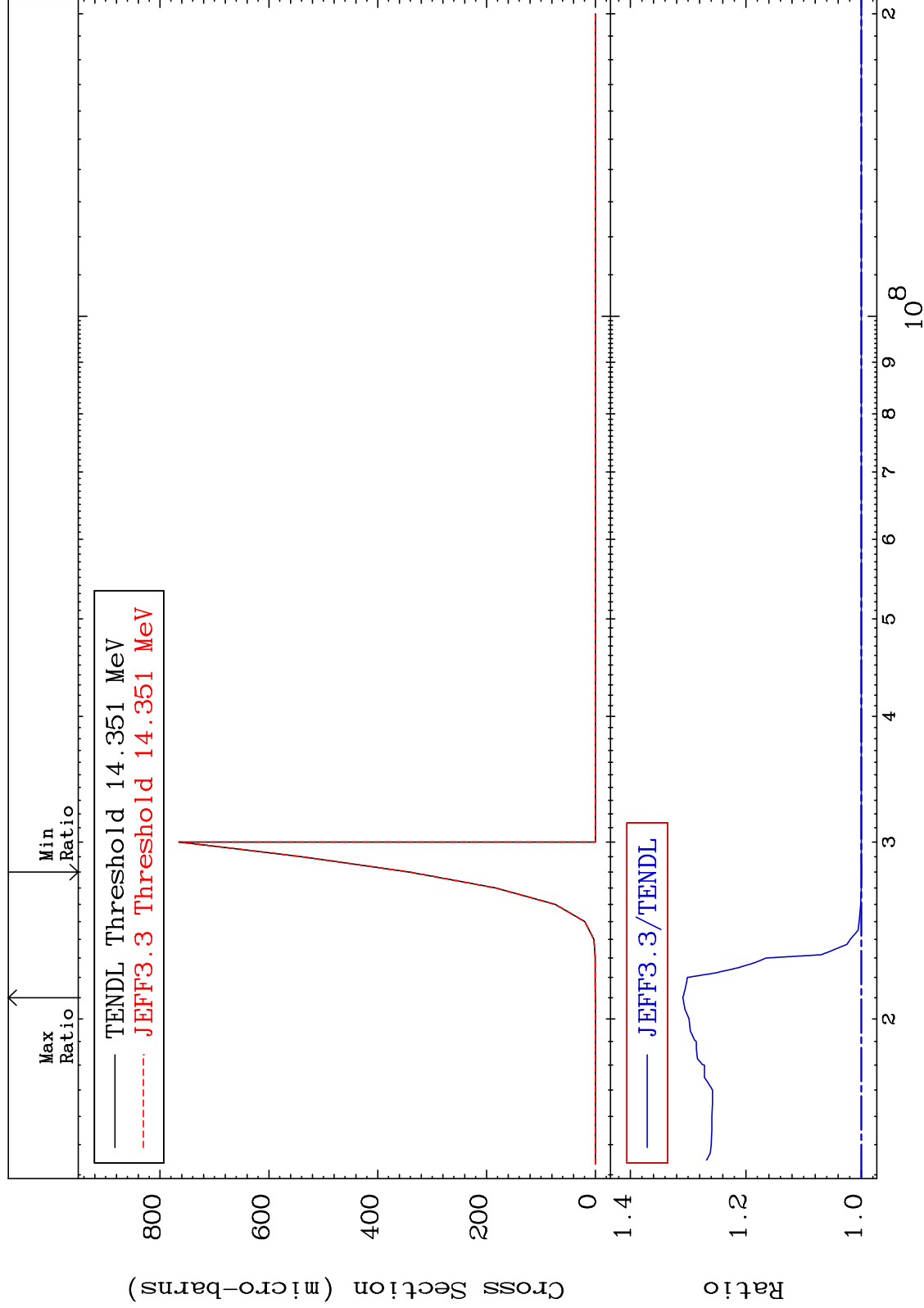
MAT 2237

(n, He-3)

22-Ti-50

Cross Section

-0.043 To 30.91 %



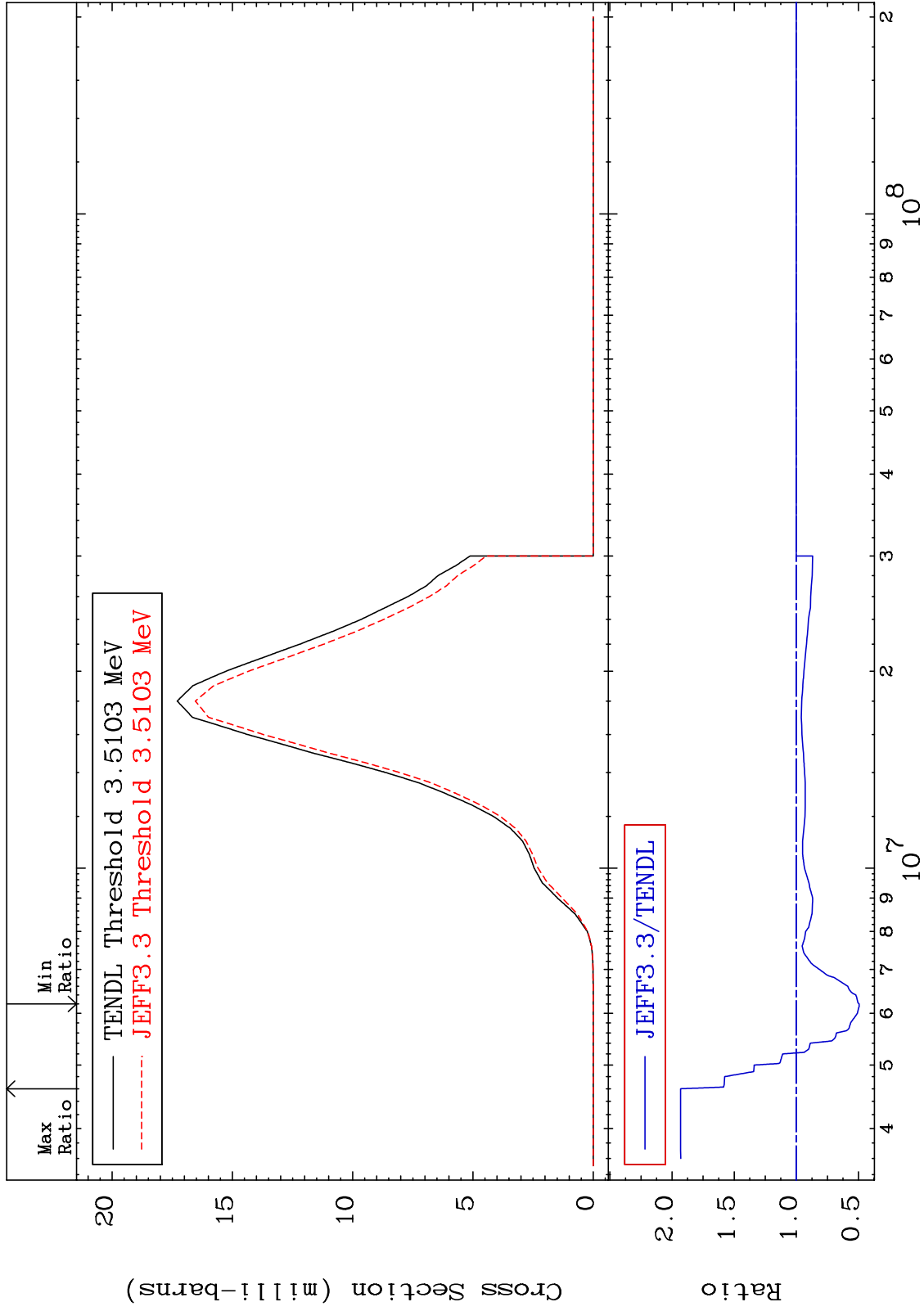
MAT 2237

(n, α)

22-Ti-50

Cross Section

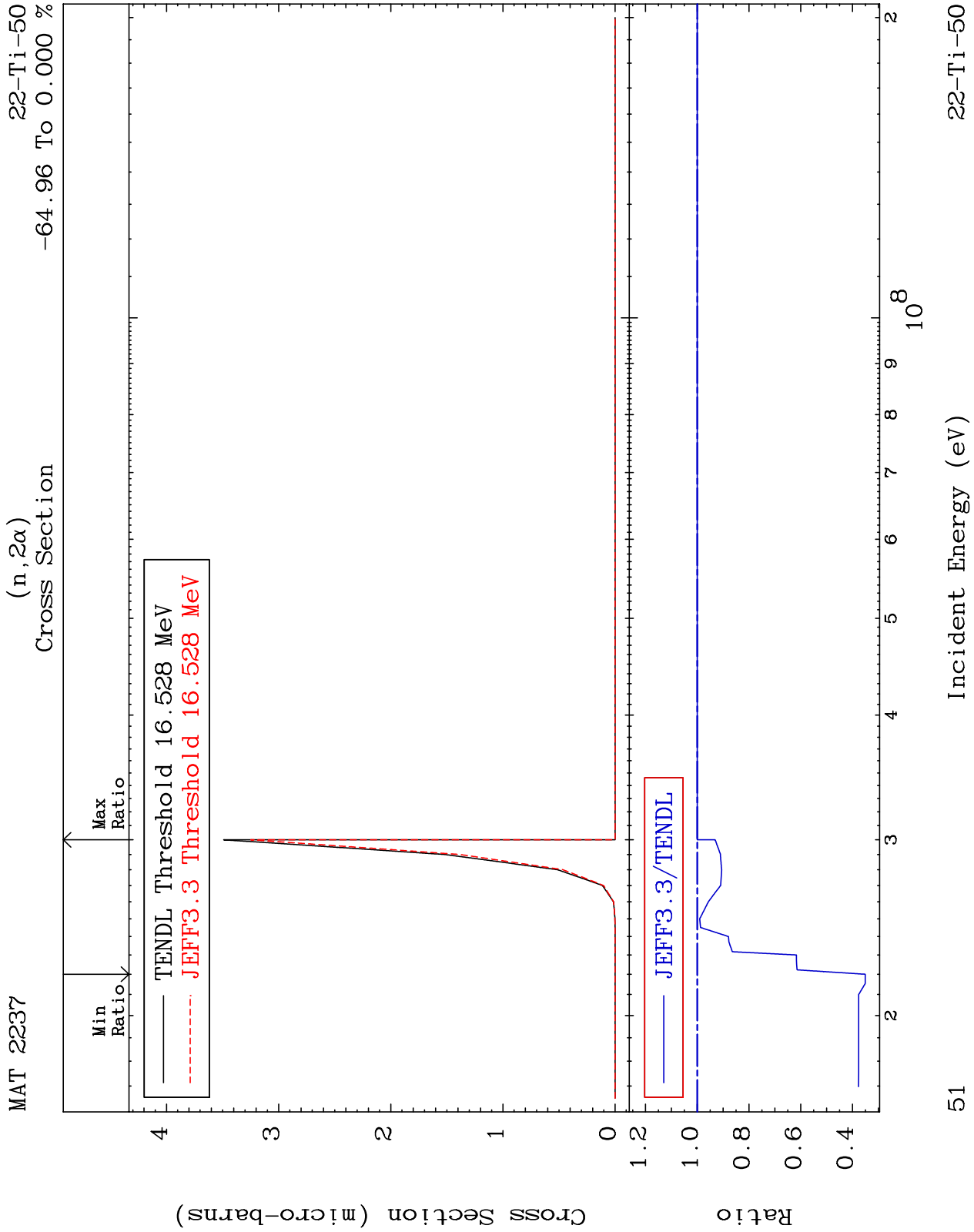
-50.55 To 93.11 %

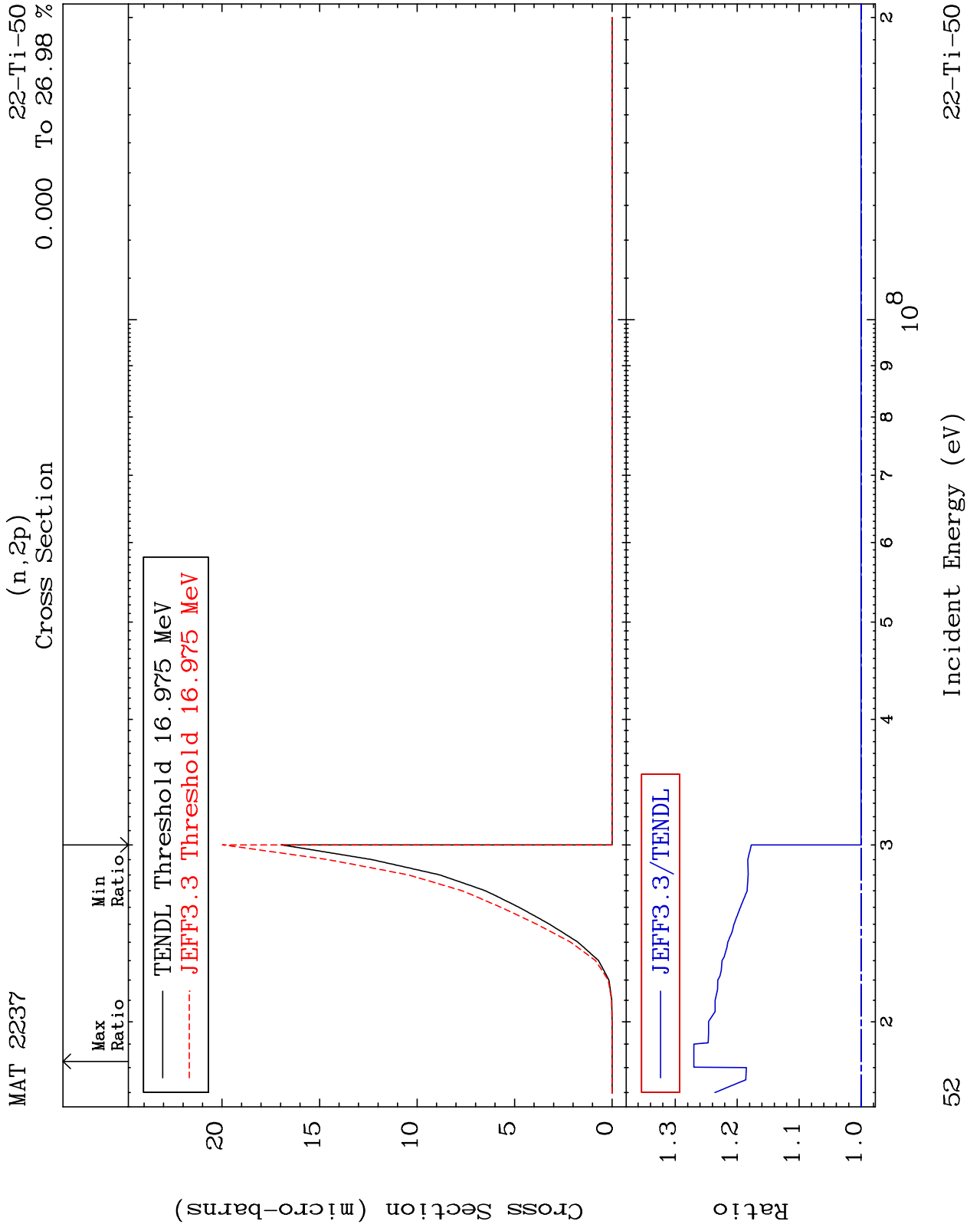


50

Incident Energy (eV)

22-Ti-50





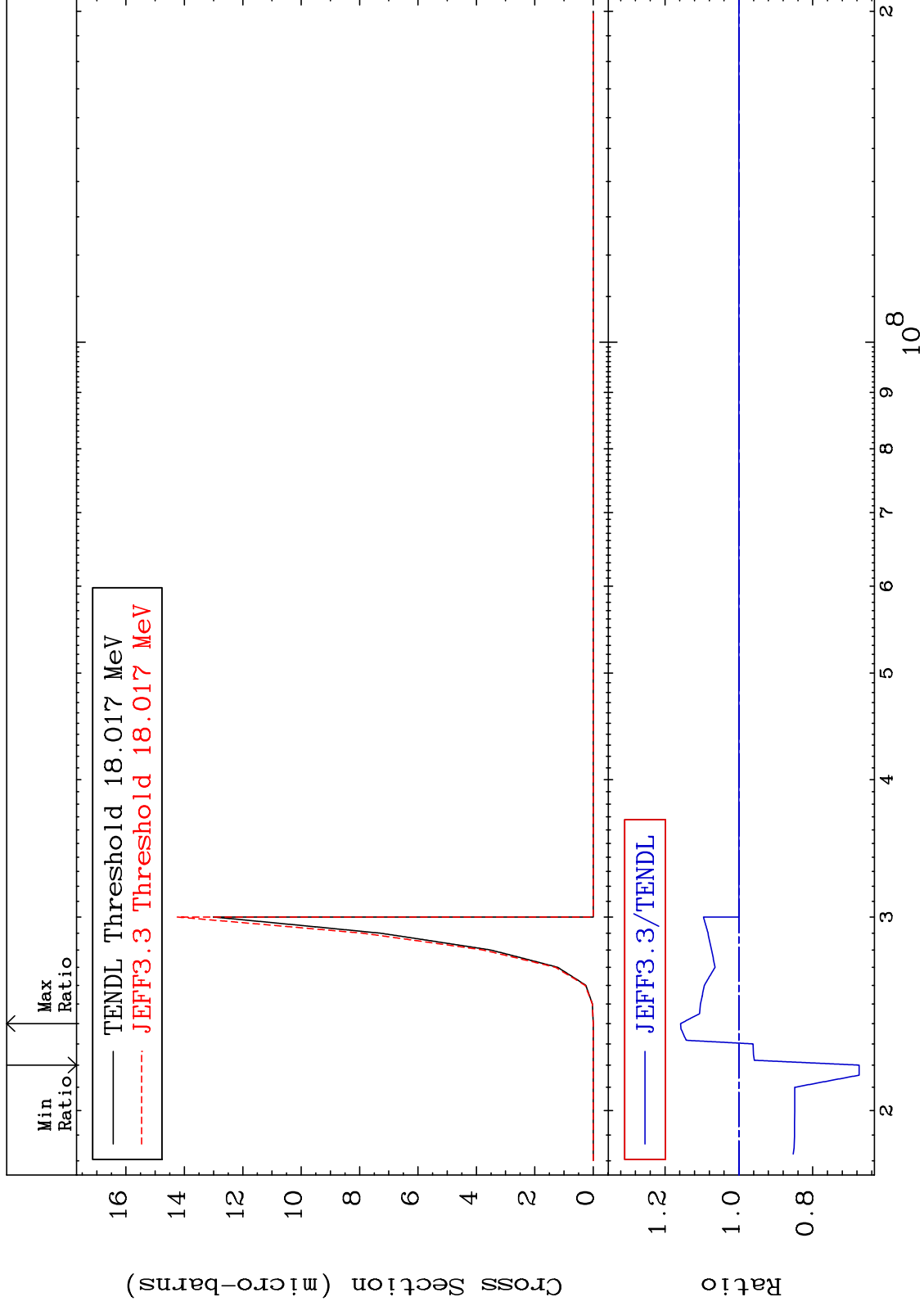
MAT 2237

(n,p) α

22-Ti-50

Cross Section

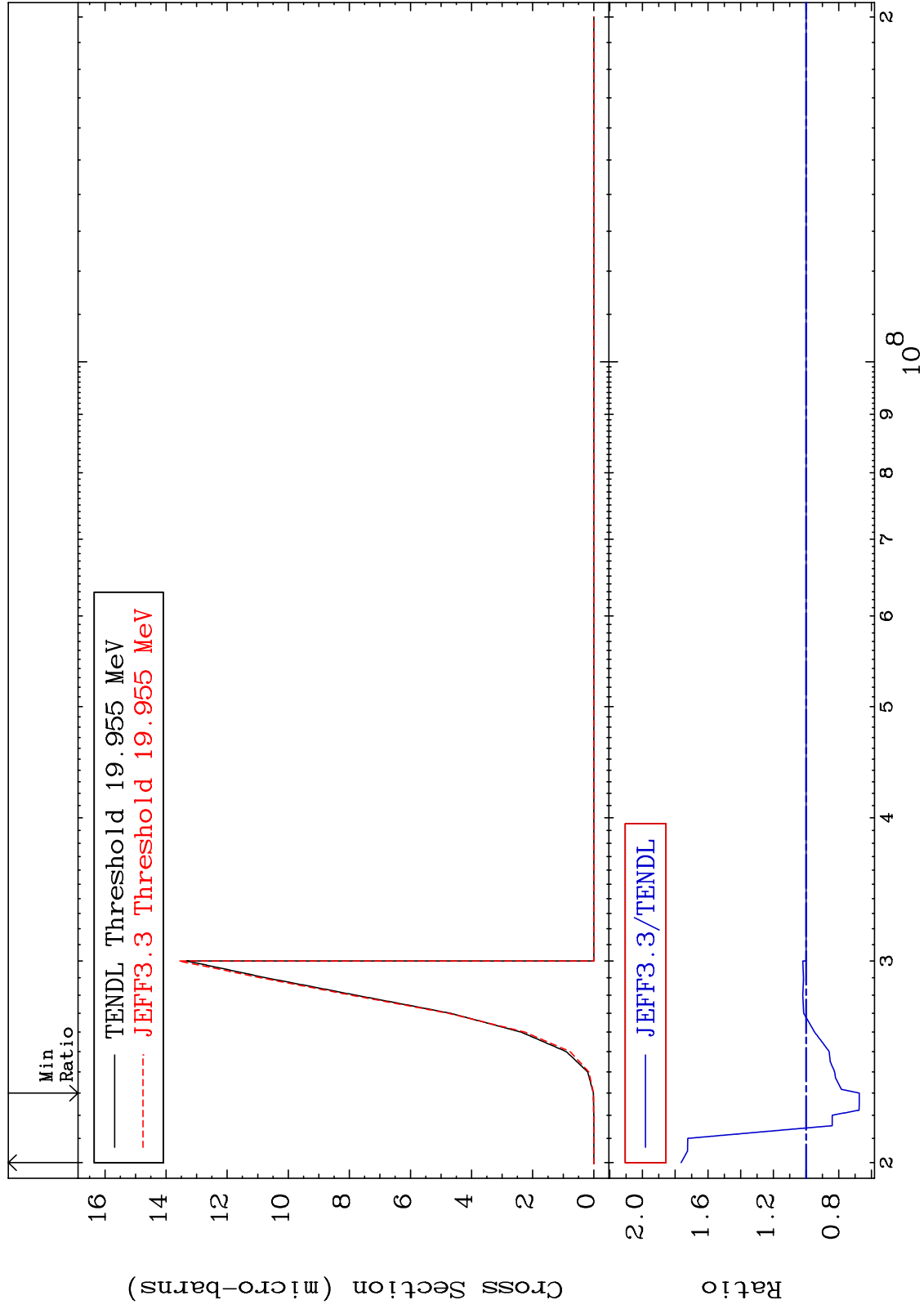
-32.58 To 15.77 %



MAT 2237

(n,p) d
Cross Section

22-Ti-50
-32.56 To 76.42 %



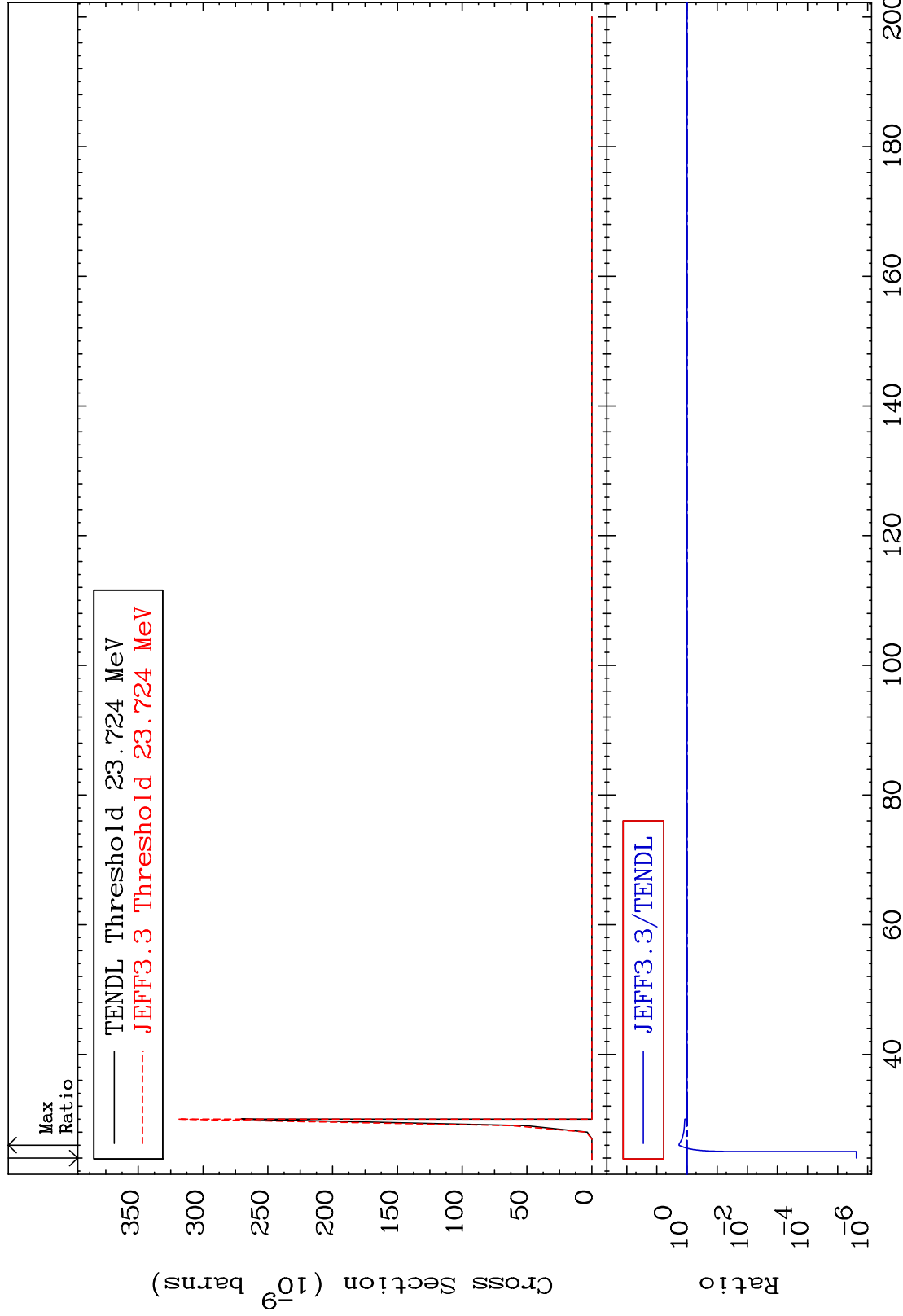
MAT 2237

(n,p) t

22-Ti-50

Cross Section

-100.0 To 87.39 %



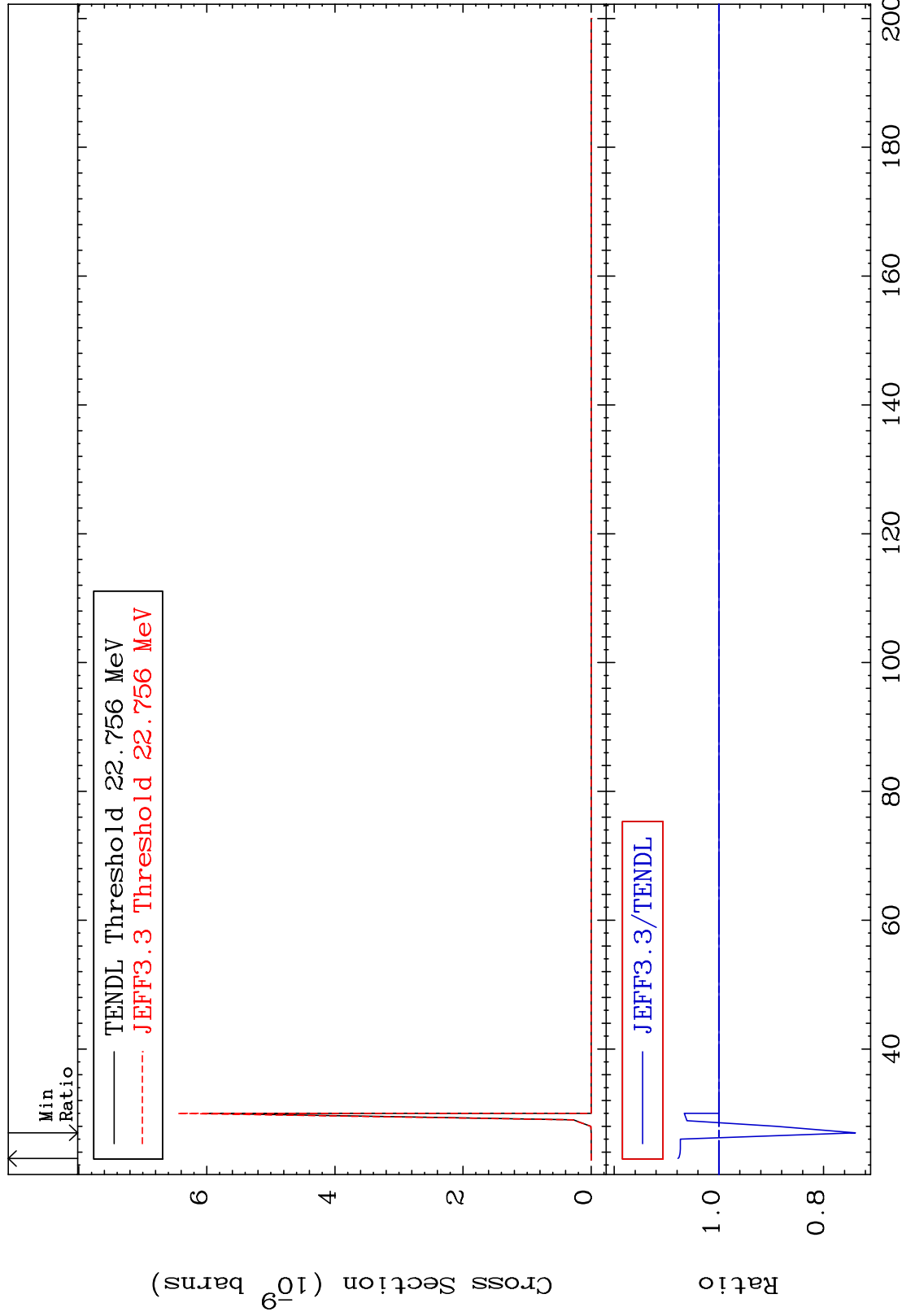
MAT 2237

(n,d) α

22-Ti-50

Cross Section

-26.09 To 7.804 %



22-Ti-50

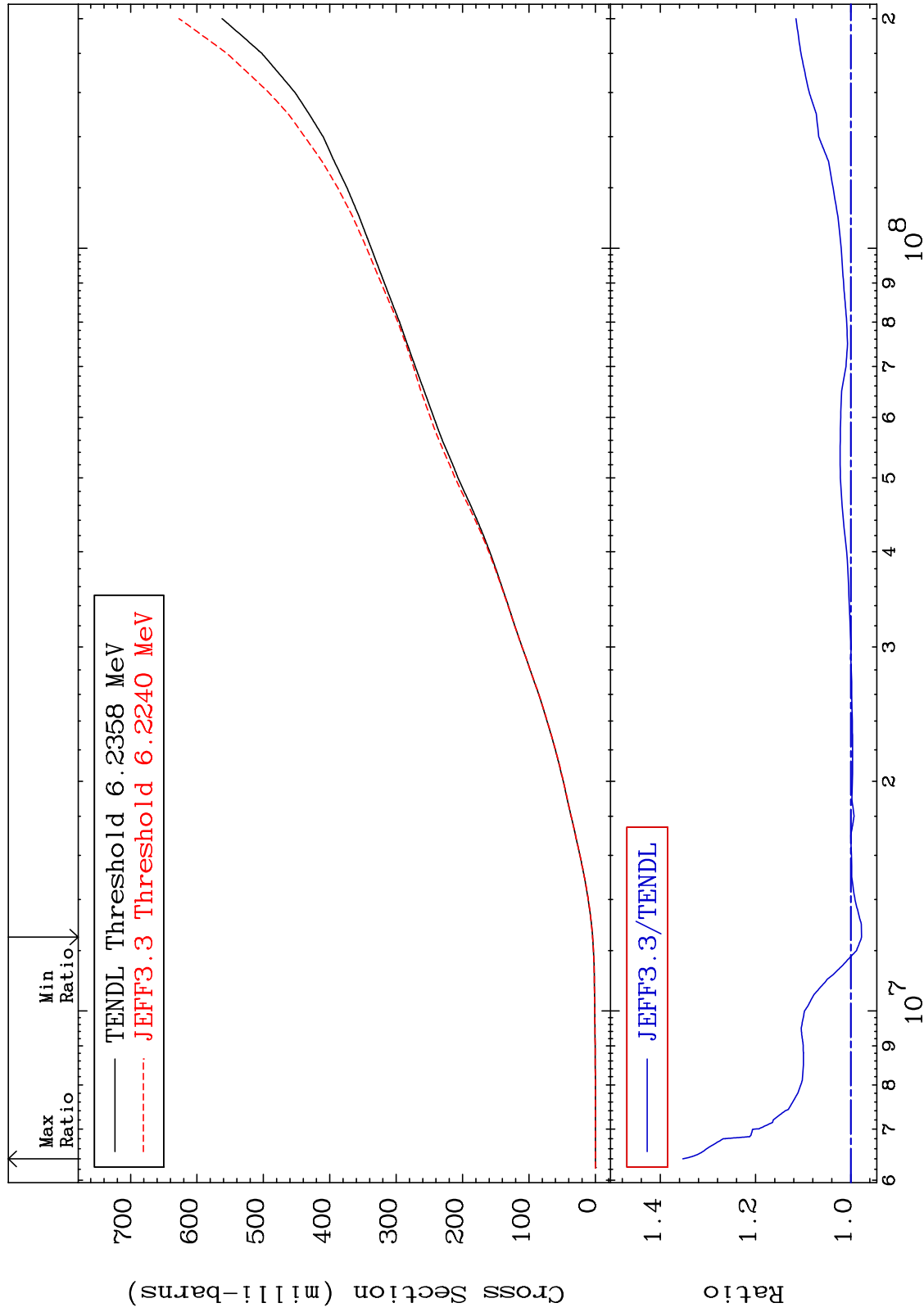
Incident Energy (MeV)

56

MAT 2237

Hydrogen Production
Cross Section

22-Ti-50
-2.247 To 35.28 %



57

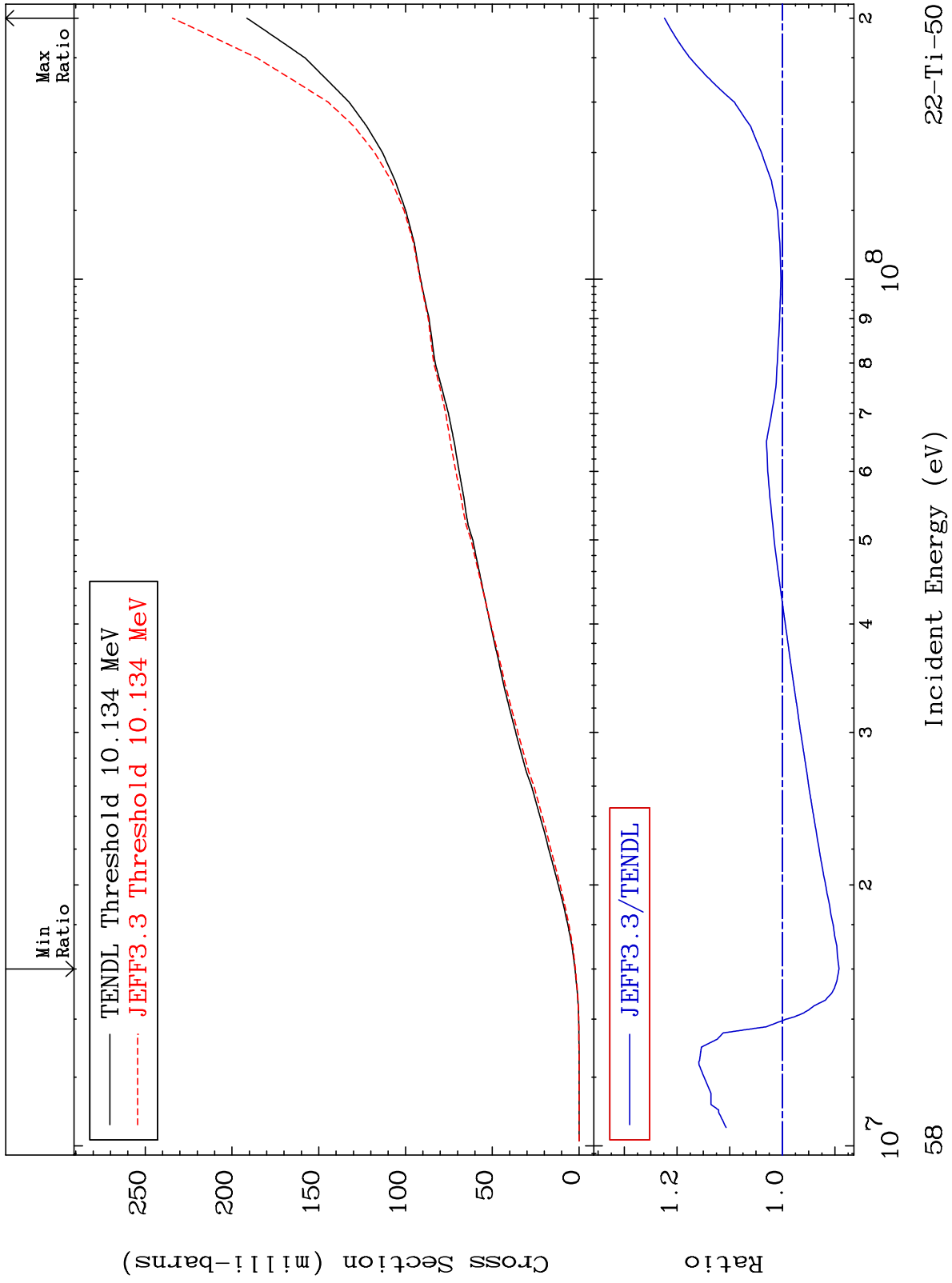
Incident Energy (eV)

22-Ti-50

MAT 2237

Deuterium Production
Cross Section

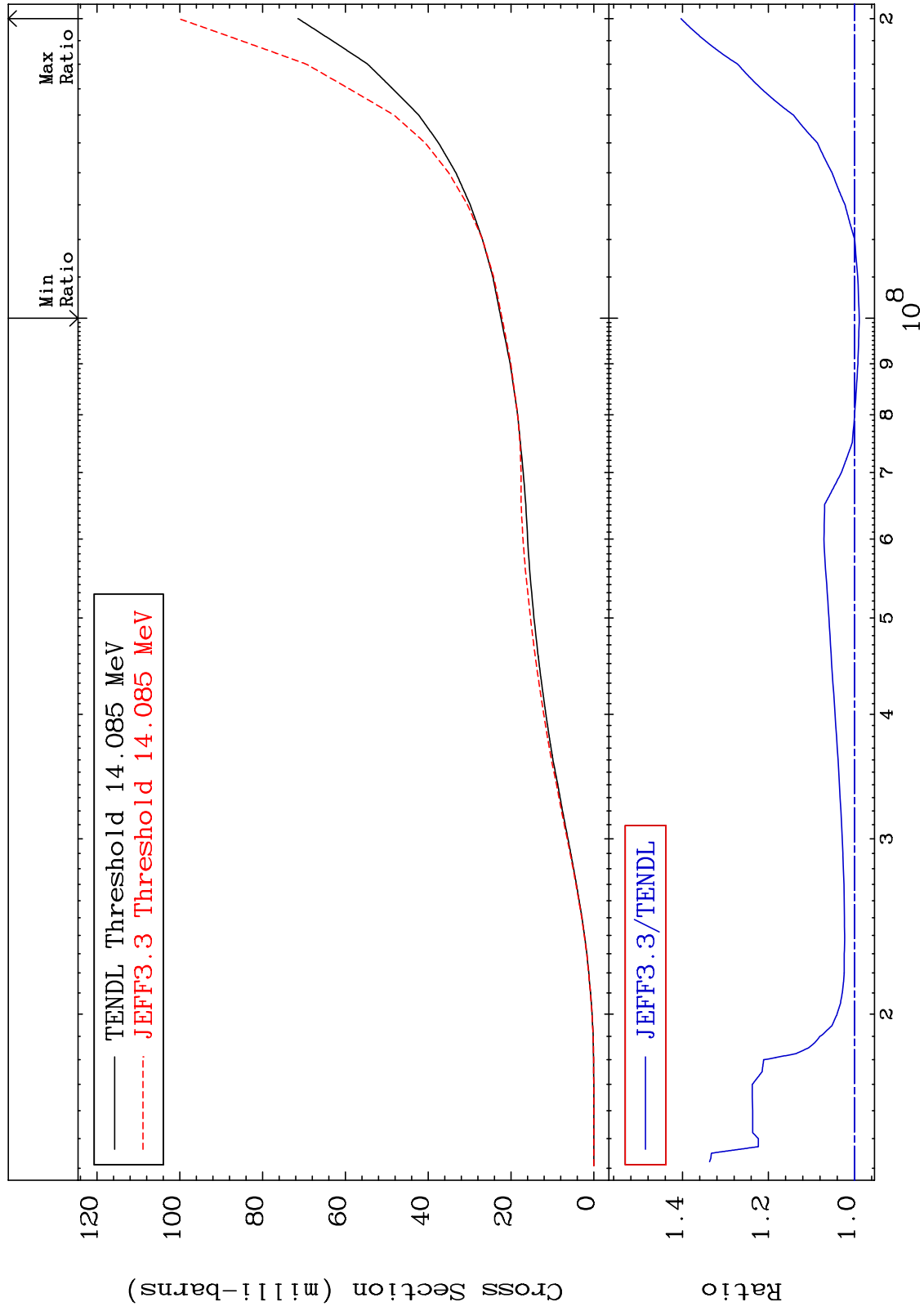
22-Ti-50
-10.76 To 22.38 %



MAT 2237

Tritium Production
Cross Section

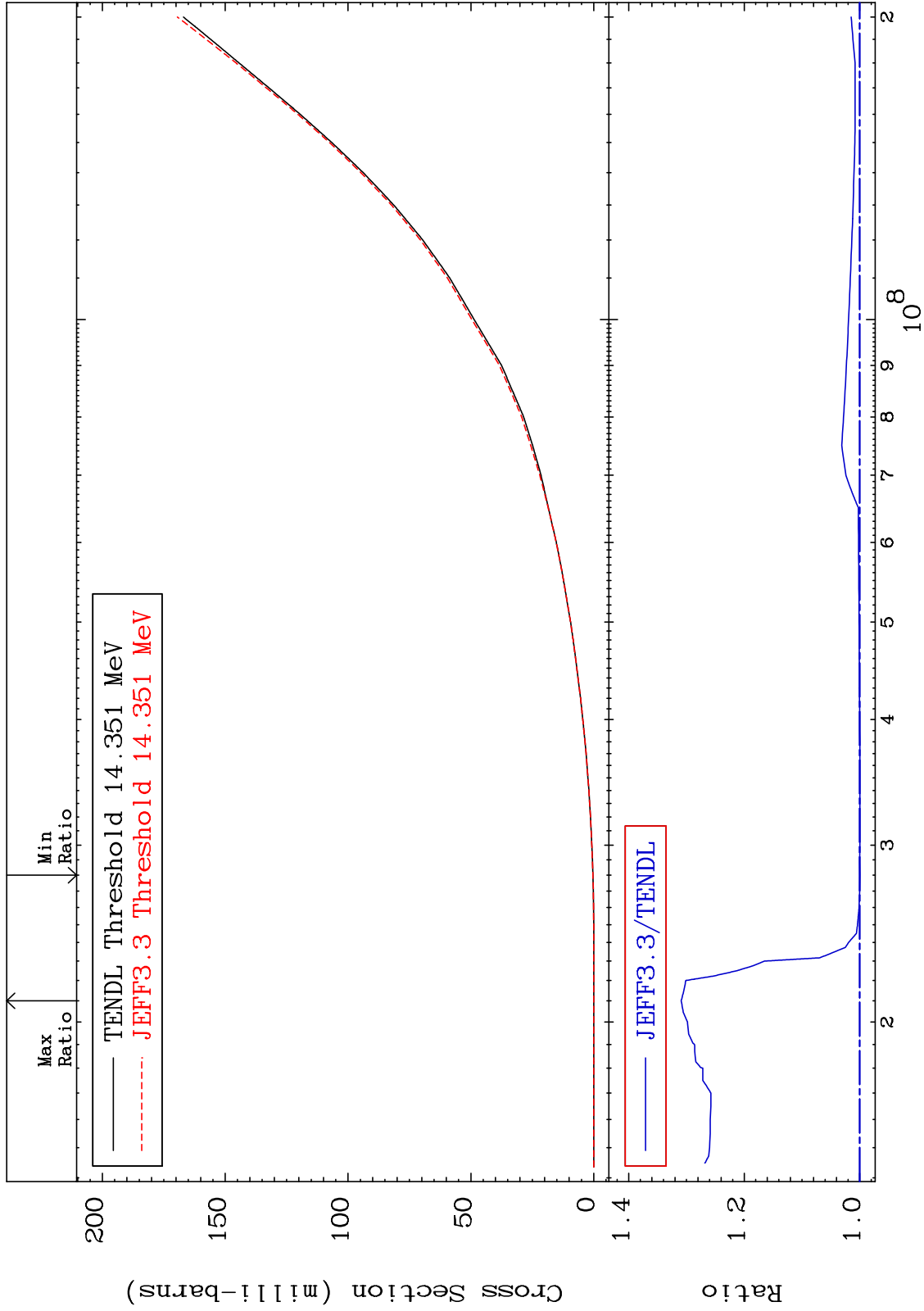
22-Ti-50
-1.142 To 40.33 %



MAT 2237

He-3 Production
Cross Section

22-Ti-50
-0.043 To 30.91 %



60

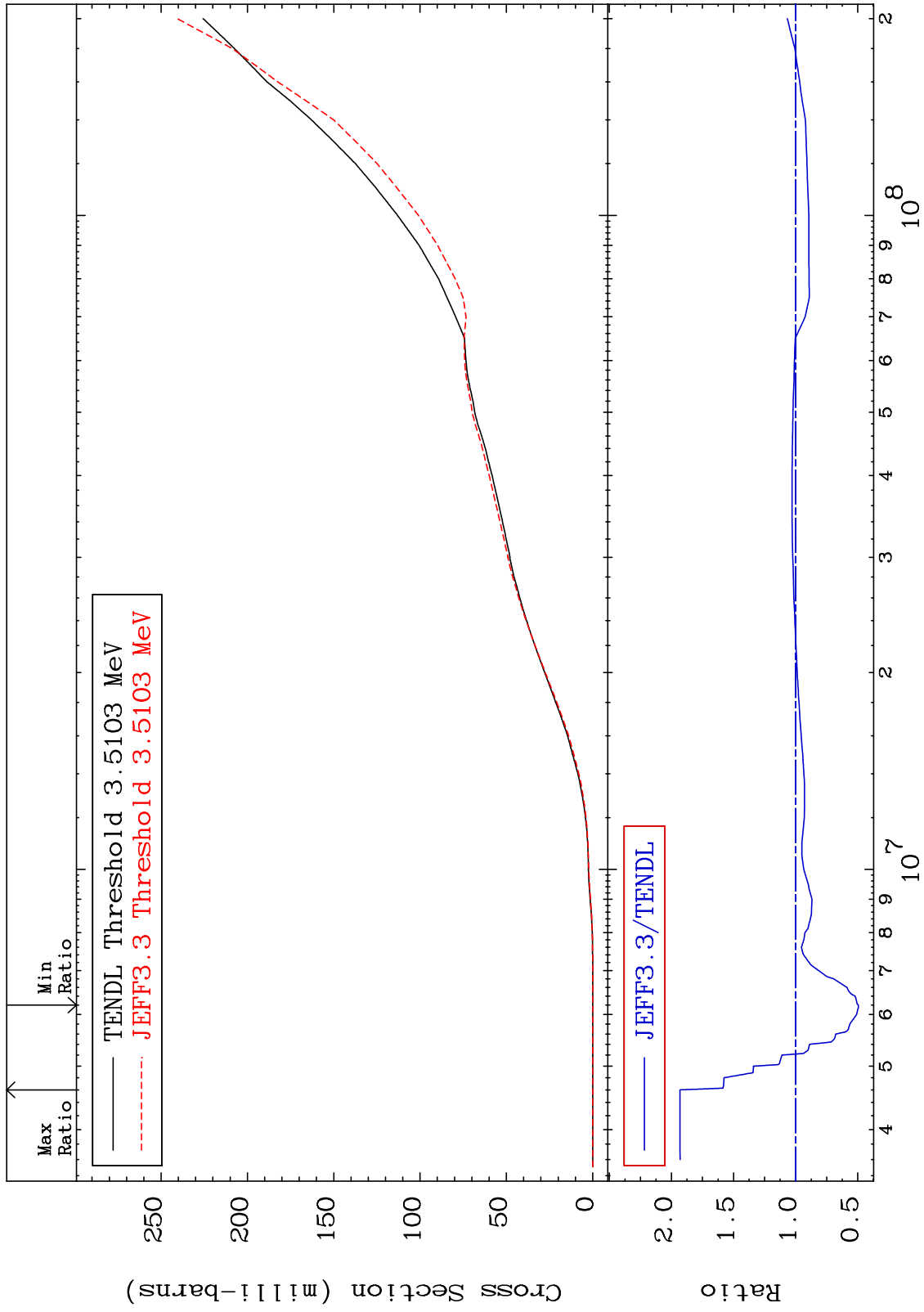
Incident Energy (eV)

22-Ti-50

MAT 2237

He-4 Production
Cross Section

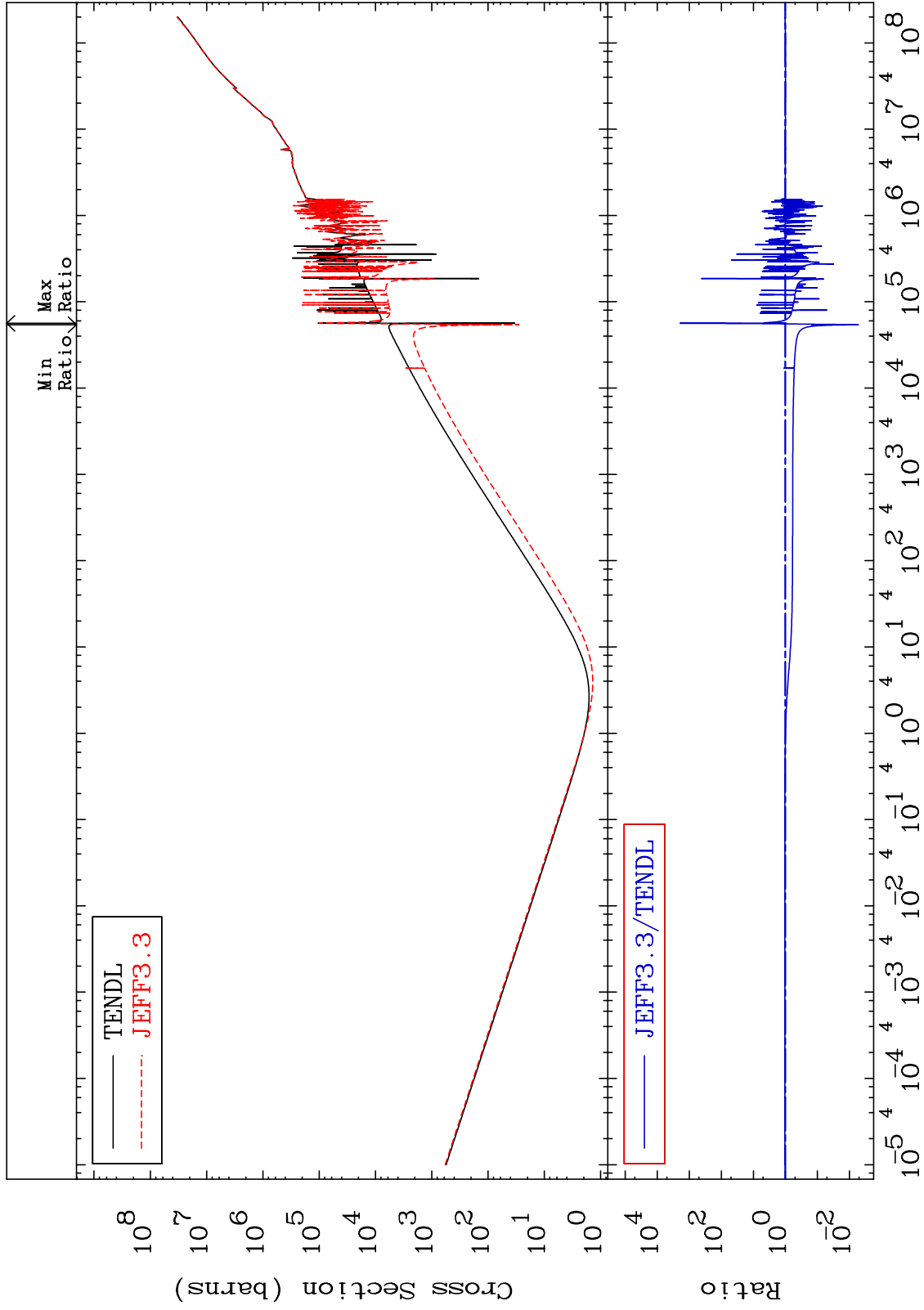
22-Ti-50
-50.55 To 93.11 %



MAT 2237

Kerma total (eV-barns)
Cross Section

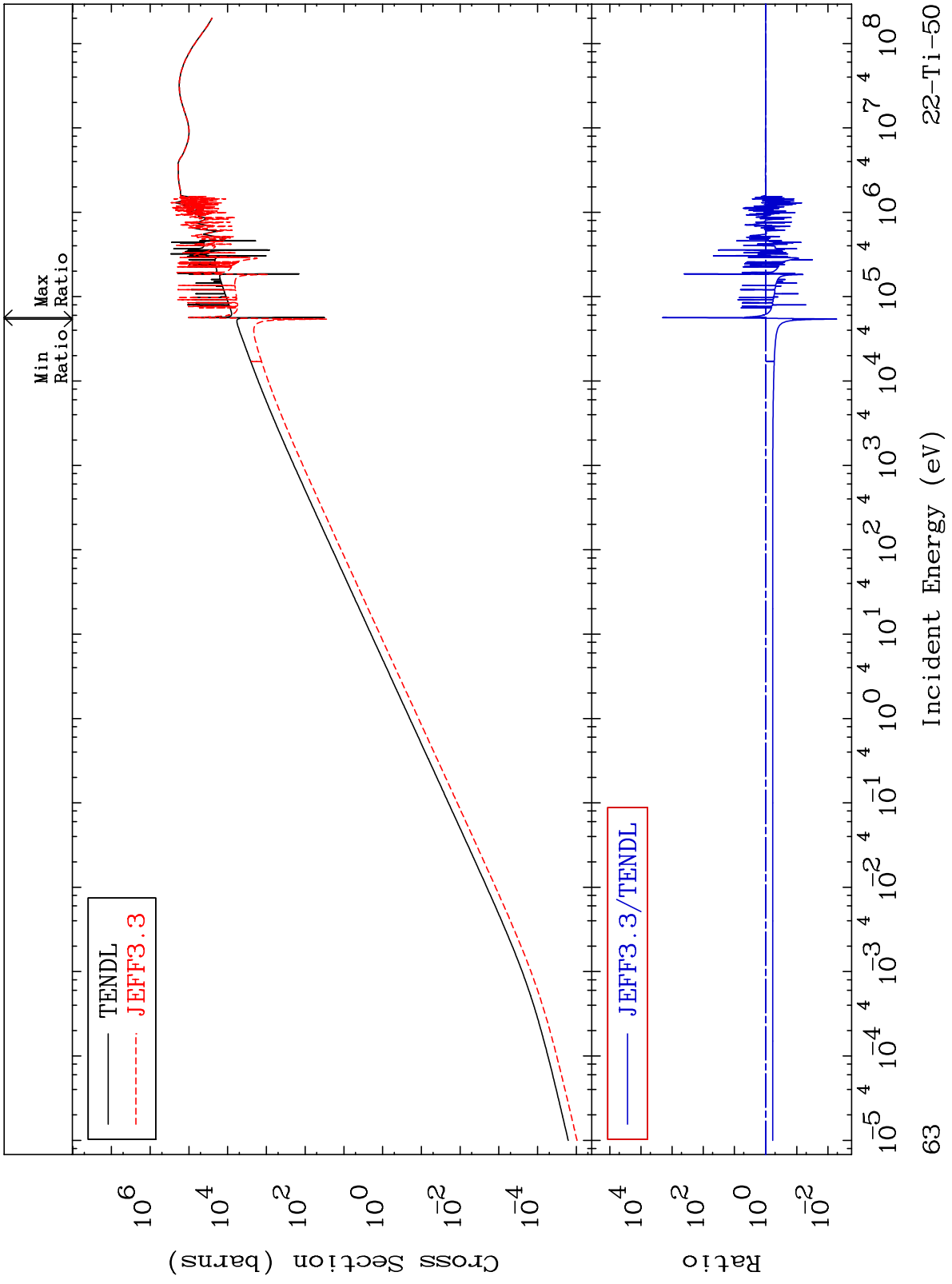
22-Ti-50
-99.48 To 9999. %



MAT 2237

Kerma elastic
Cross Section

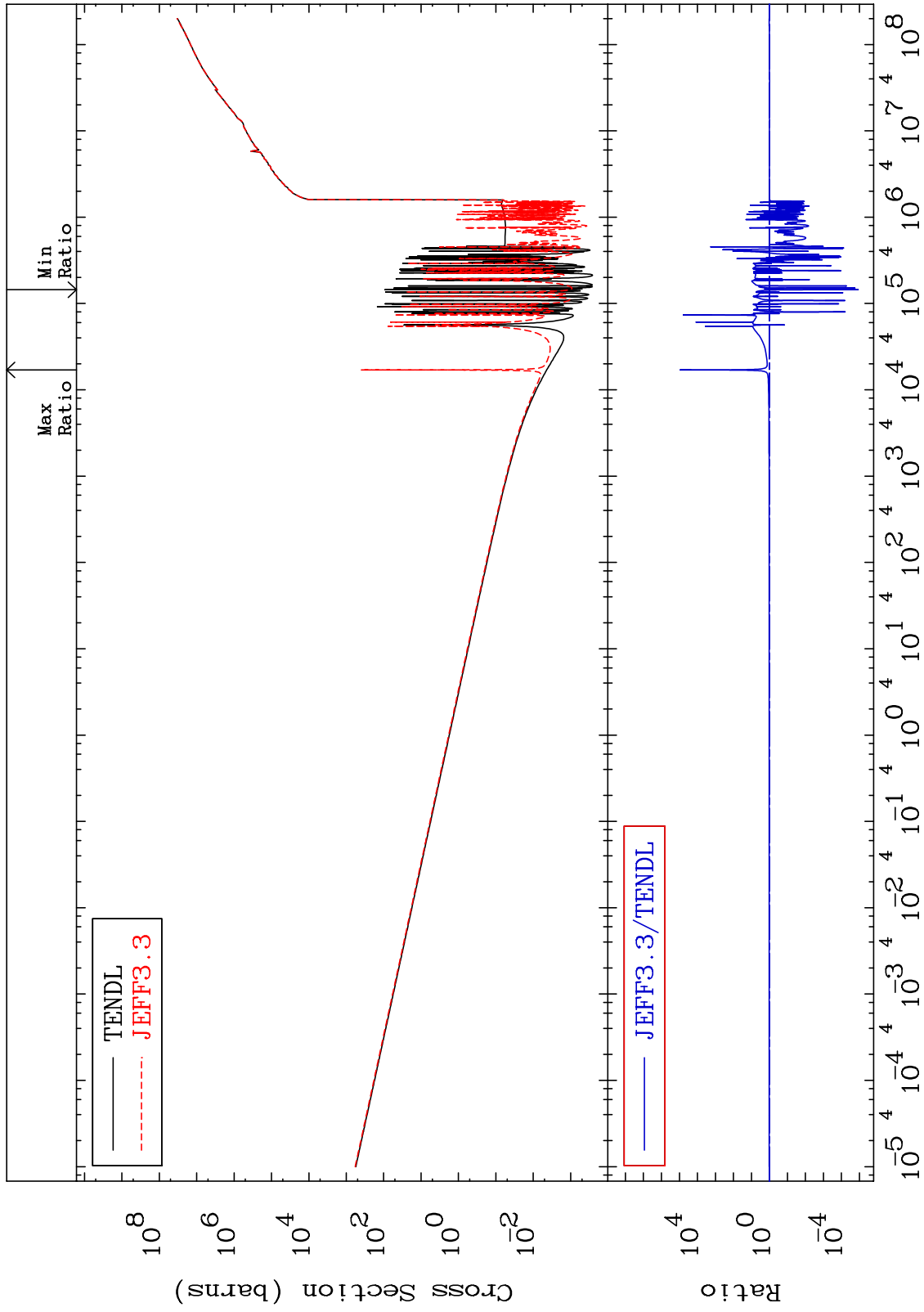
22-Ti-50
-99.48 To 9999. %



MAT 2237

Kerma non-elastic (all but mt2)
Cross Section

22-Ti-50
-100.0 To 9999. %



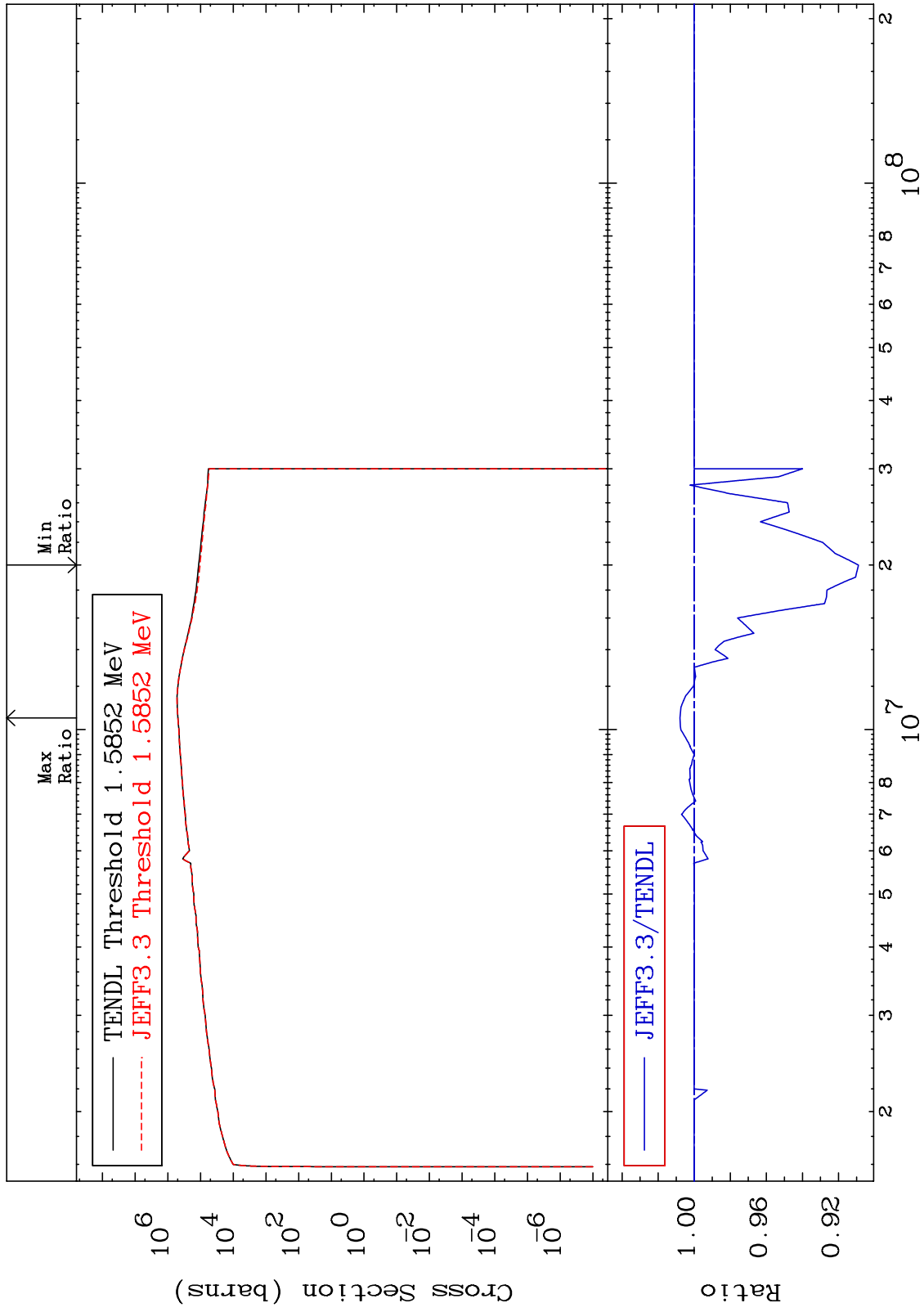
MAT 2237

Kerma inelastic (mt51-91)

22-Ti-50

-9.105 To 0.787 %

Cross Section



65

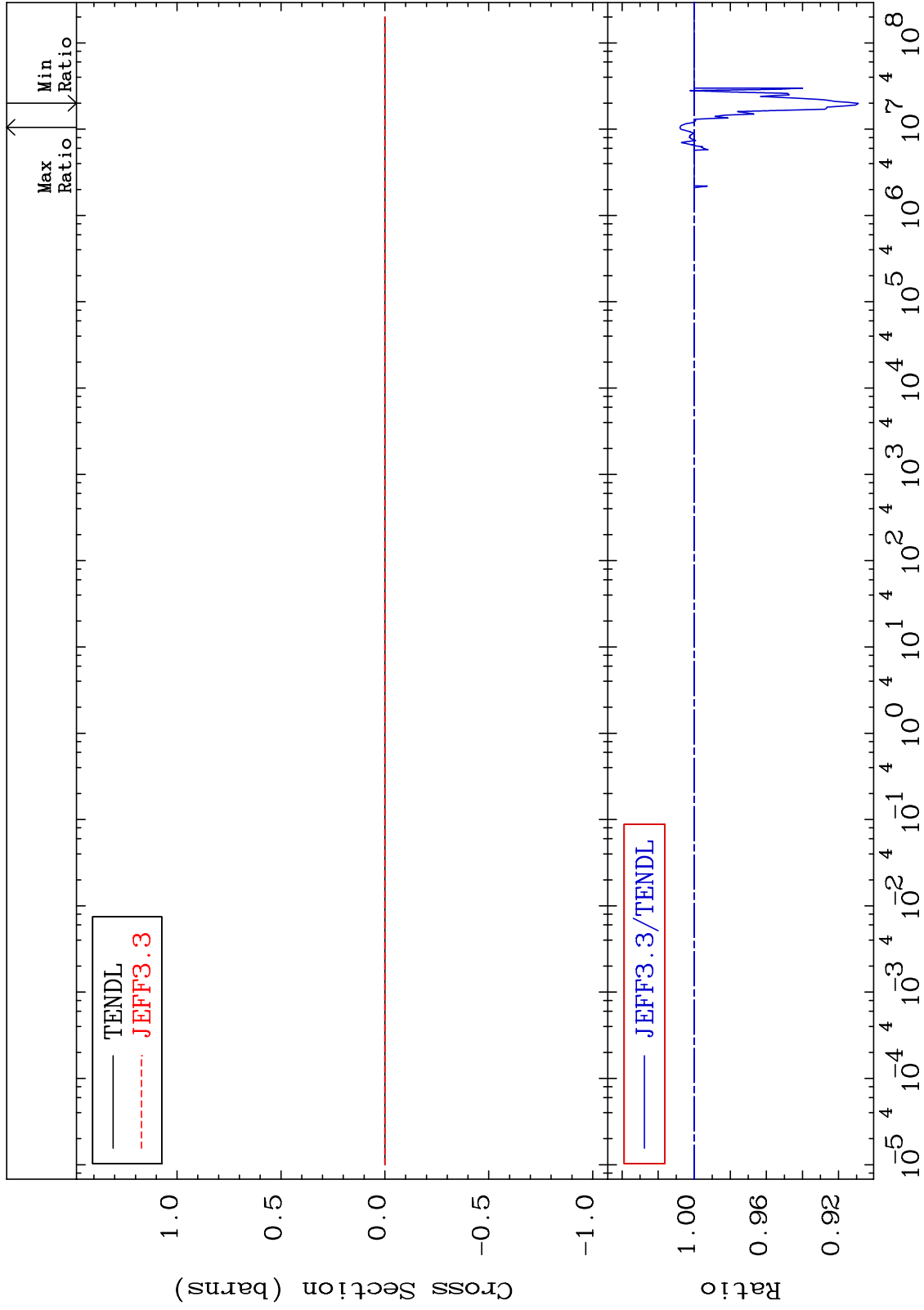
Incident Energy (eV)

22-Ti-50

MAT 2237

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

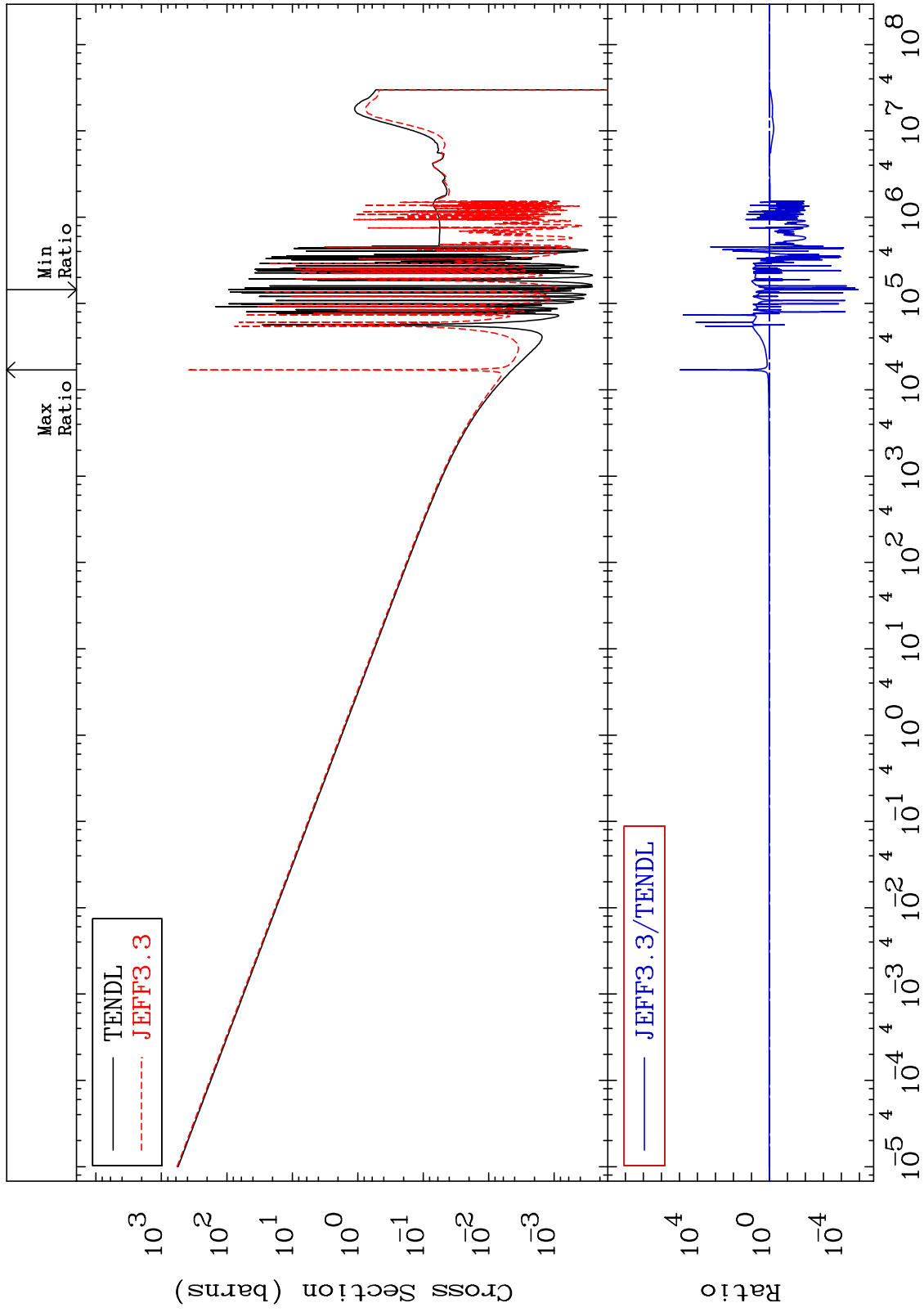
22-Ti-50
-9.105 To 0.787 %



MAT 2237

Kerma capture (mt102)
Cross Section

22-Ti-50
-100.0 To 9999. %



67

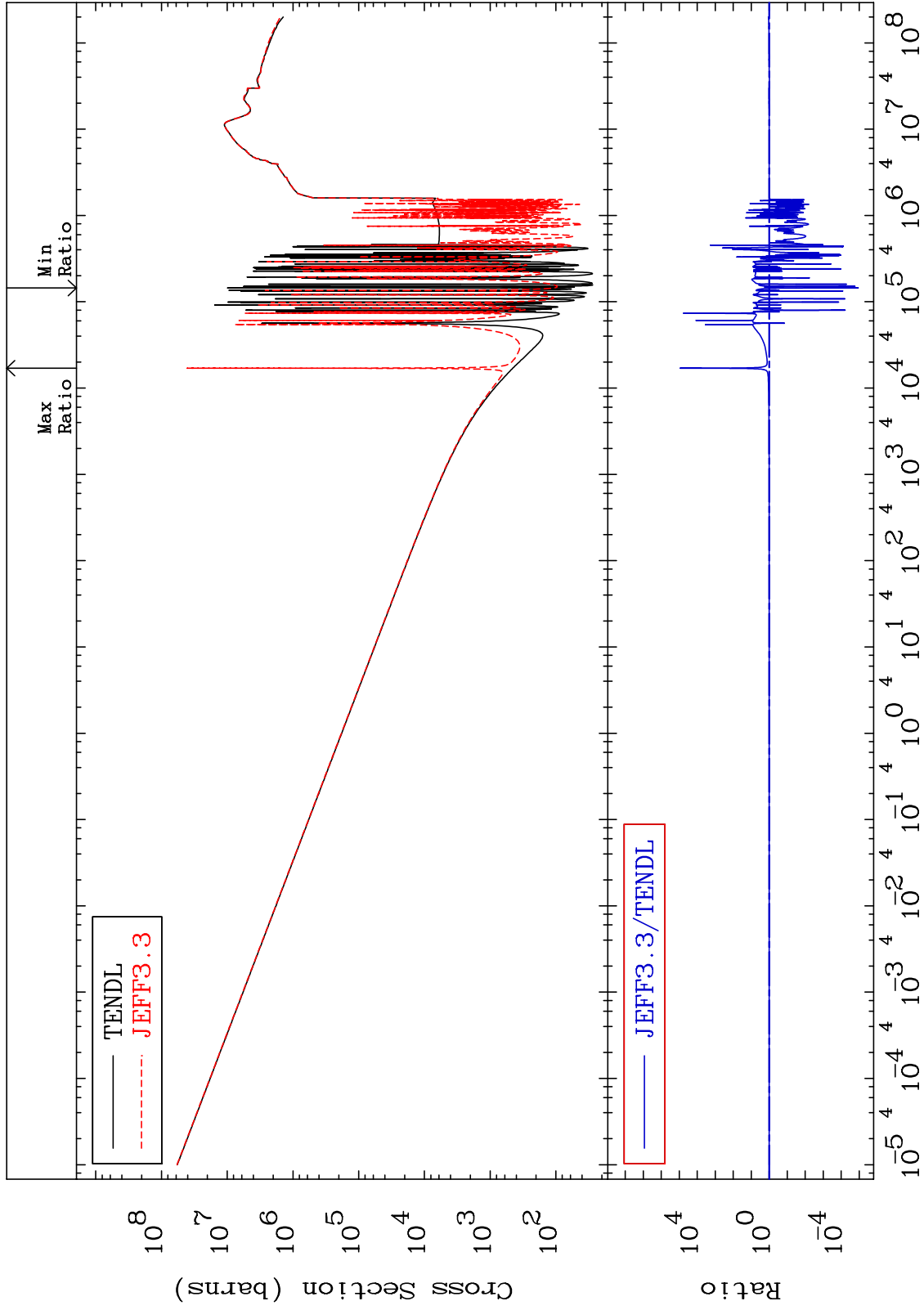
Incident Energy (eV)

22-Ti-50

MAT 2237

Total photon (eV-barns)
Cross Section

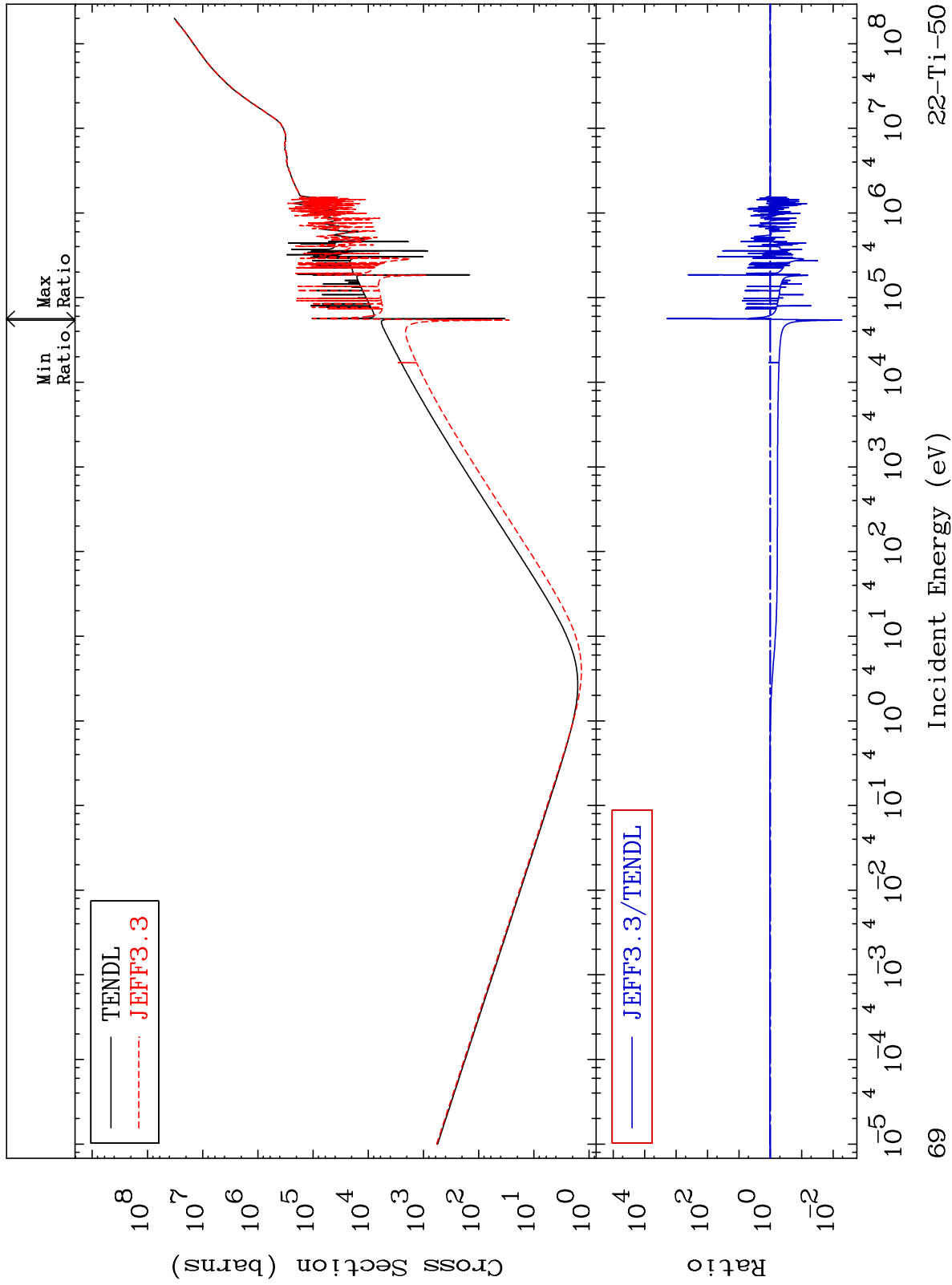
22-Ti-50
-100.0 To 9999. %



MAT 2237

Total kinematic kerma (high limit)
Cross Section

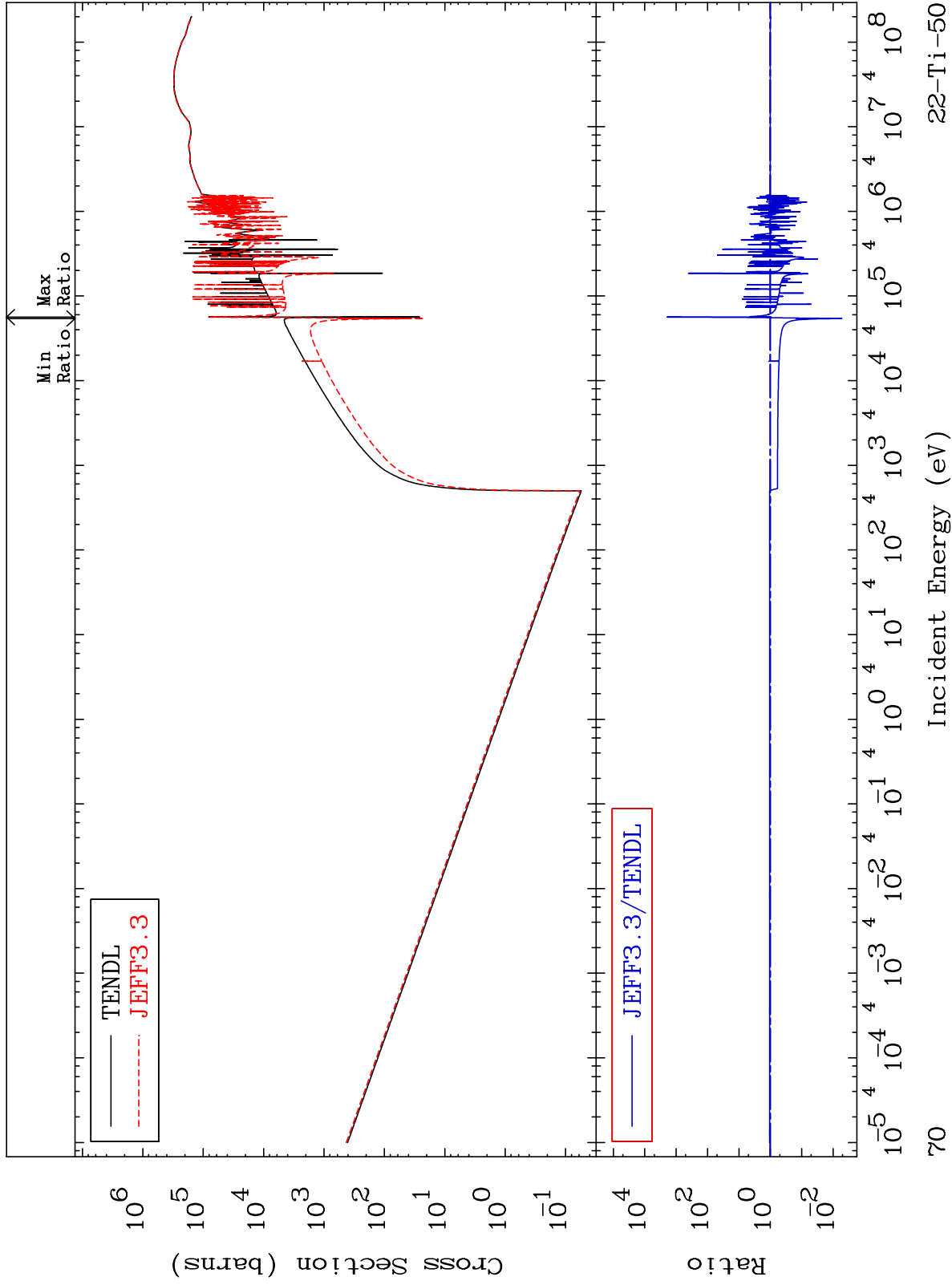
22-Ti-50
-99.48 To 9999. %



MAT 2237

Dpa total (eV-barns)
Cross Section

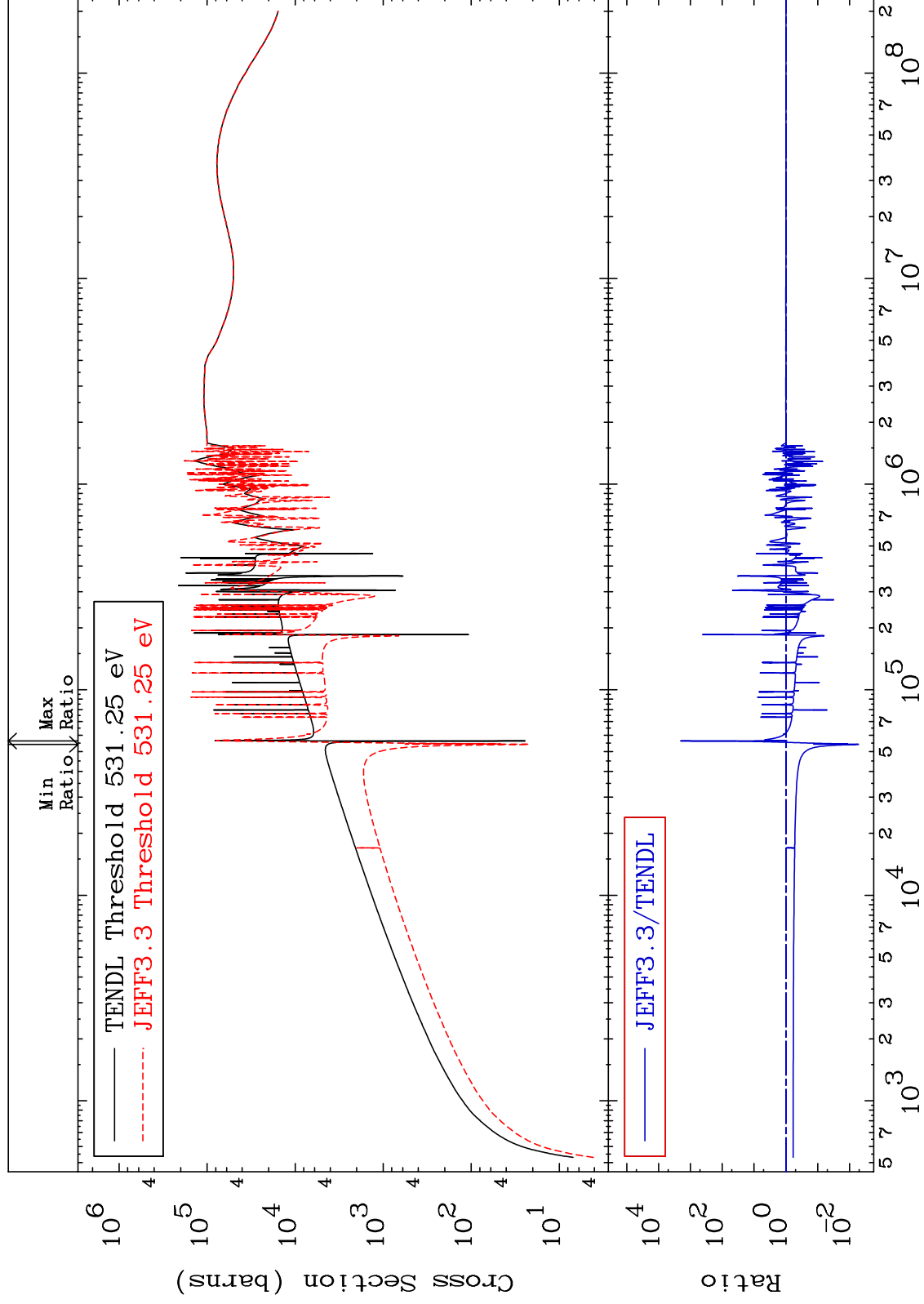
22-Ti-50
-99.48 To 9999. %



MAT 2237

Dpa elastic (mt2)
Cross Section

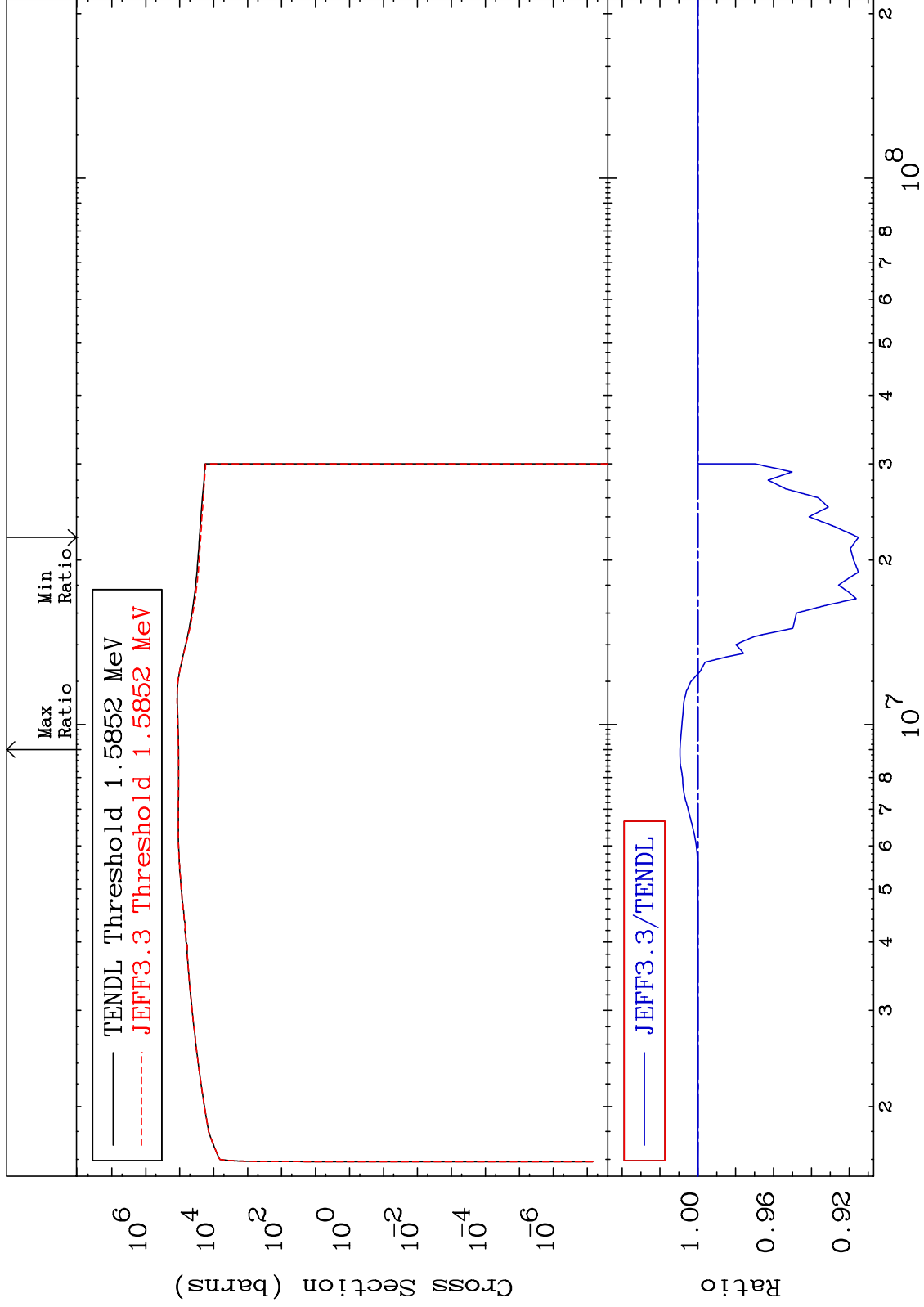
22-Ti-50
-99.48 To 9999. %



MAT 2237

Dpa inelastic (mt51-91)
Cross Section

22-Ti-50
-8.485 To 0.939 %



72

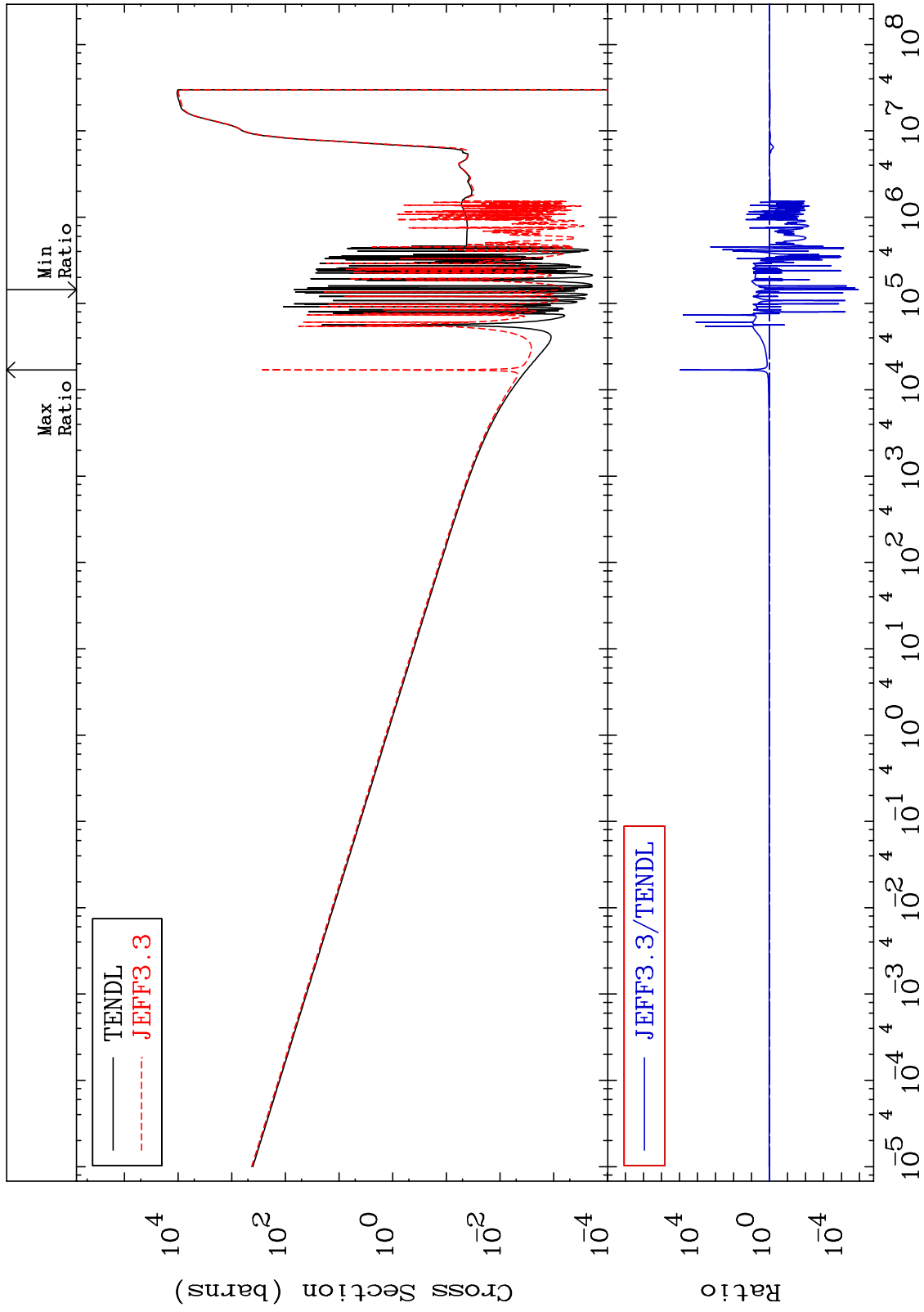
Incident Energy (eV)

22-Ti-50

MAT 2237

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-50
-100.0 To 9999. %



73

Incident Energy (eV)

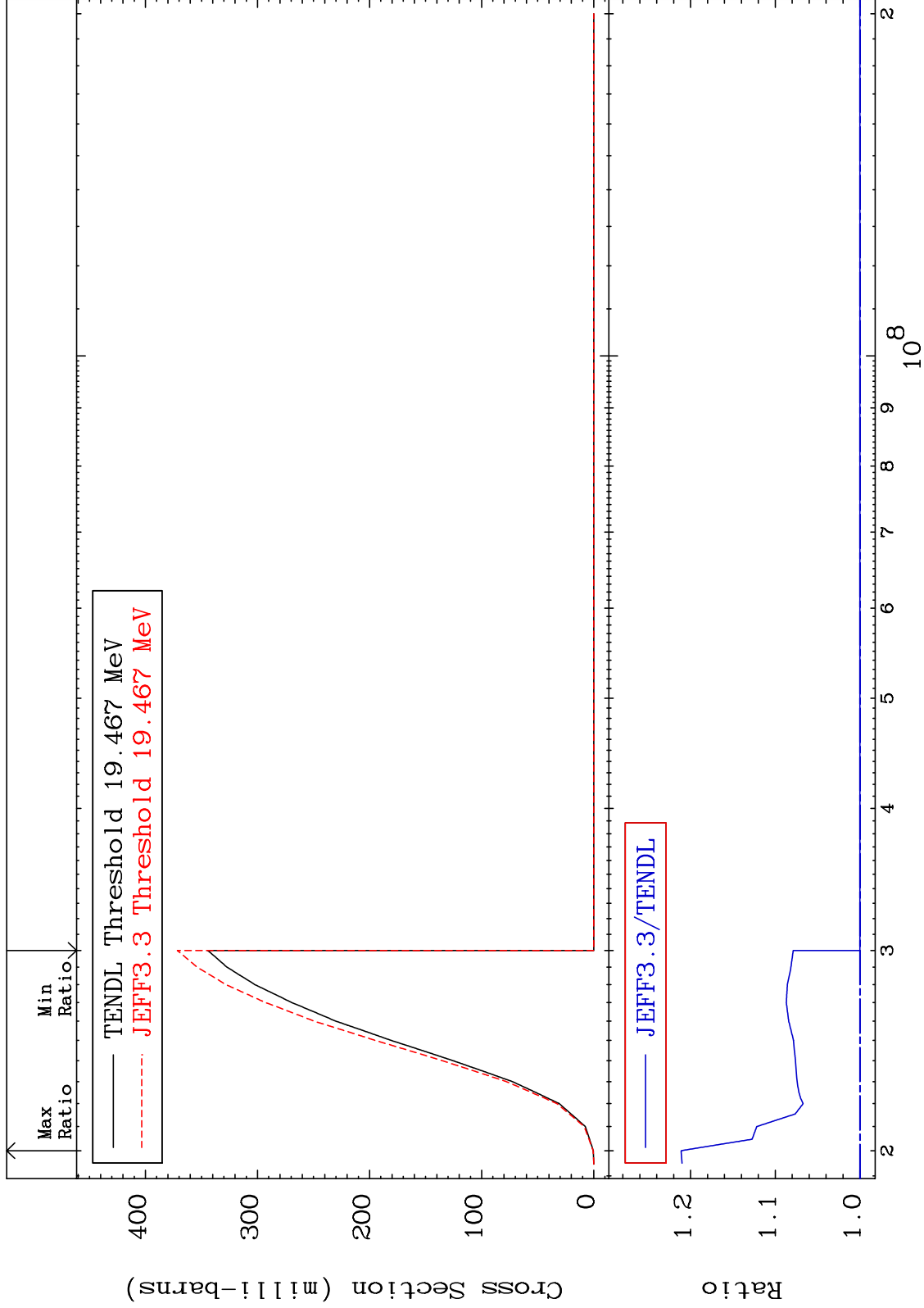
22-Ti-50

MAT 2237

(n,3n):22-Ti-48g

22-Ti-50

Radionuclide Production Cross Section 0.000 To 21.11 %

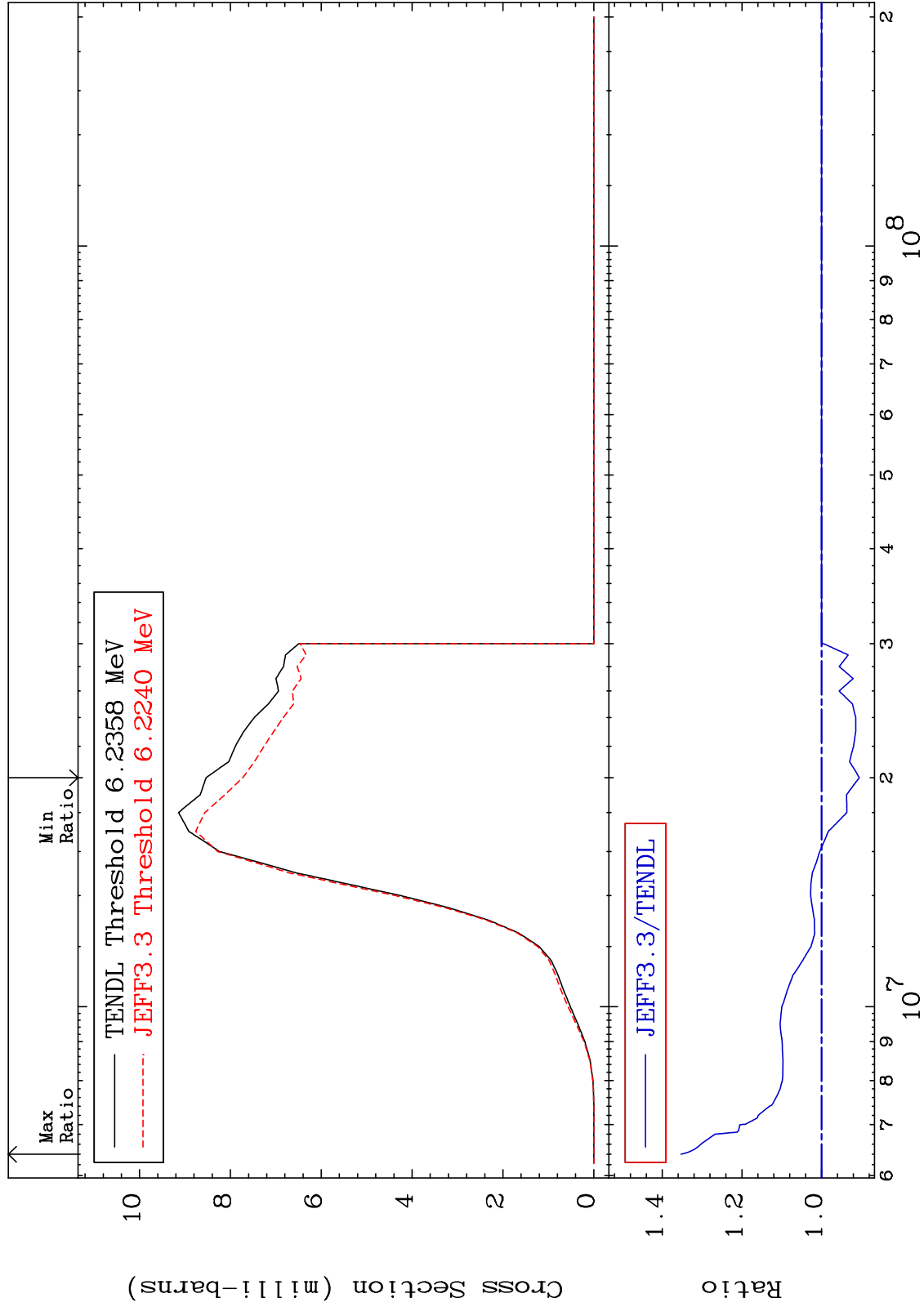


MAT 2237

(n,p):21-Sc-50g

22-Ti-50

Radionuclide Production Cross Section -9.468 To 35.28 %



75

Incident Energy (eV)

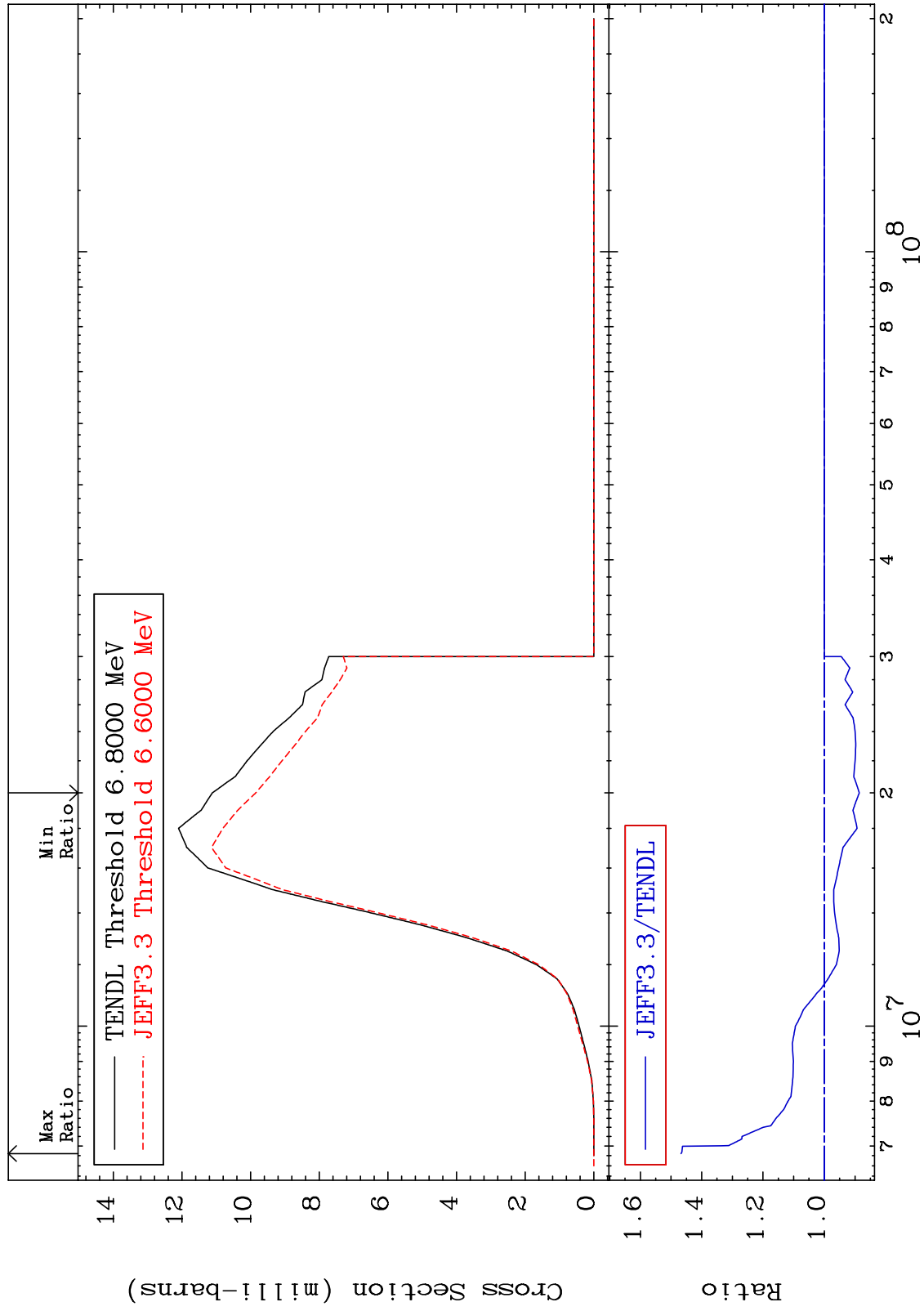
22-Ti-50

MAT 2237

(n,p):21-Sc-50m1

22-Ti-50

Radionuclide Production Cross Section -11.40 To 46.73 %



76

Incident Energy (eV)

22-Ti-50