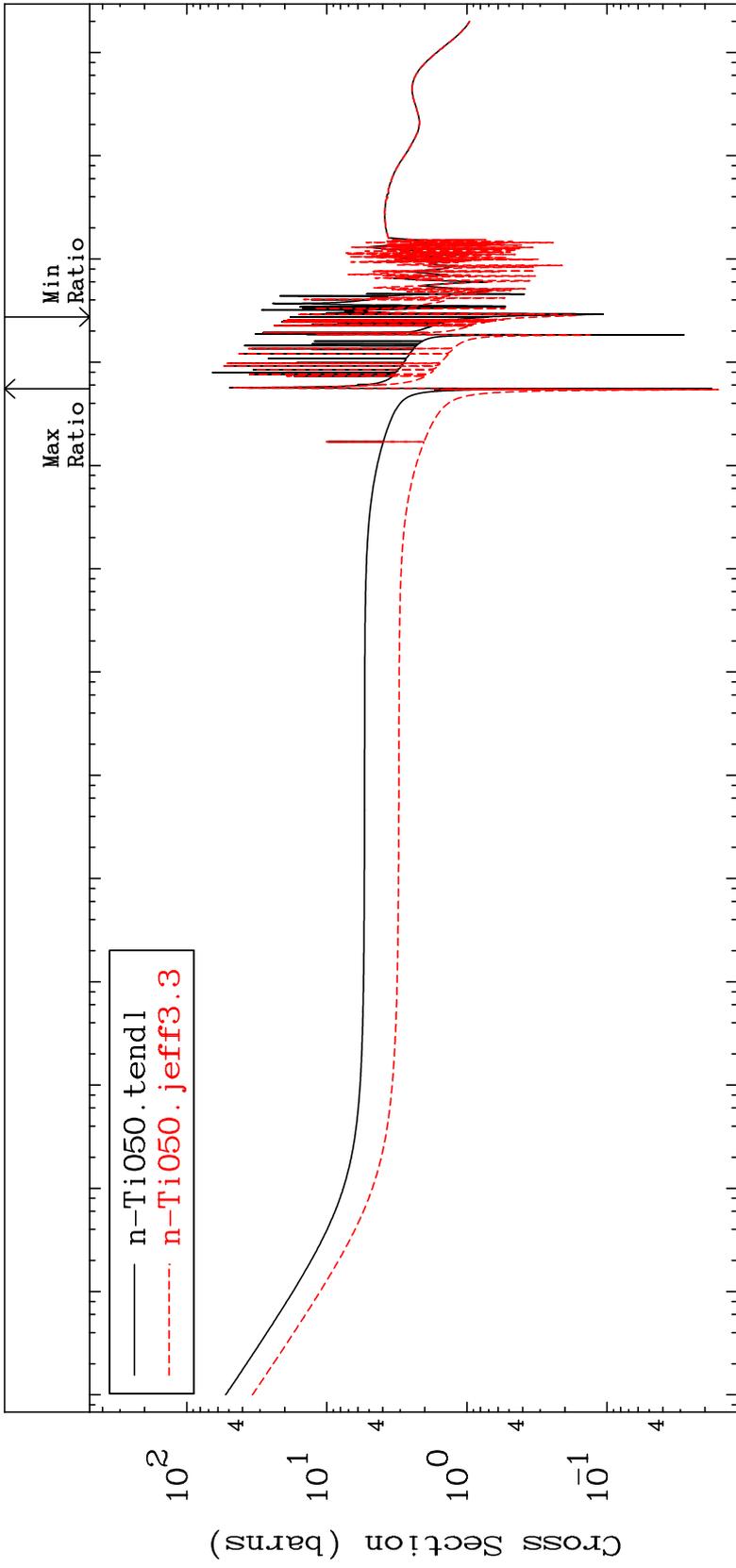


MAT 2237

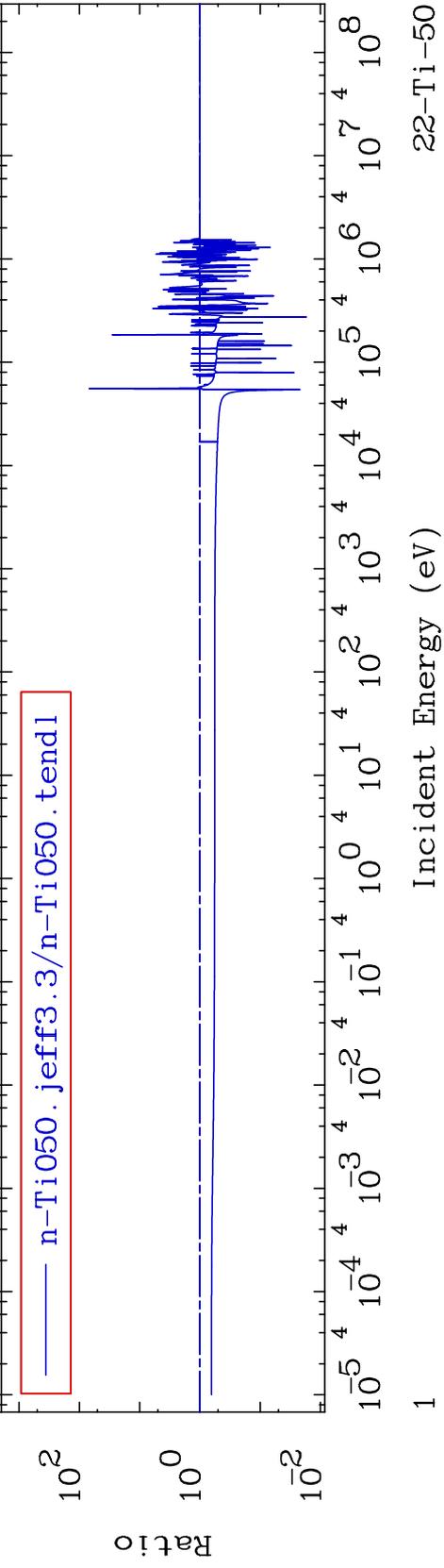
Total
Cross Section

22-Ti-50
-98.28 To 6786. %

— n-Ti050.tendl
- - - n-Ti050.jeff3.3



— n-Ti050.jeff3.3/n-Ti050.tendl



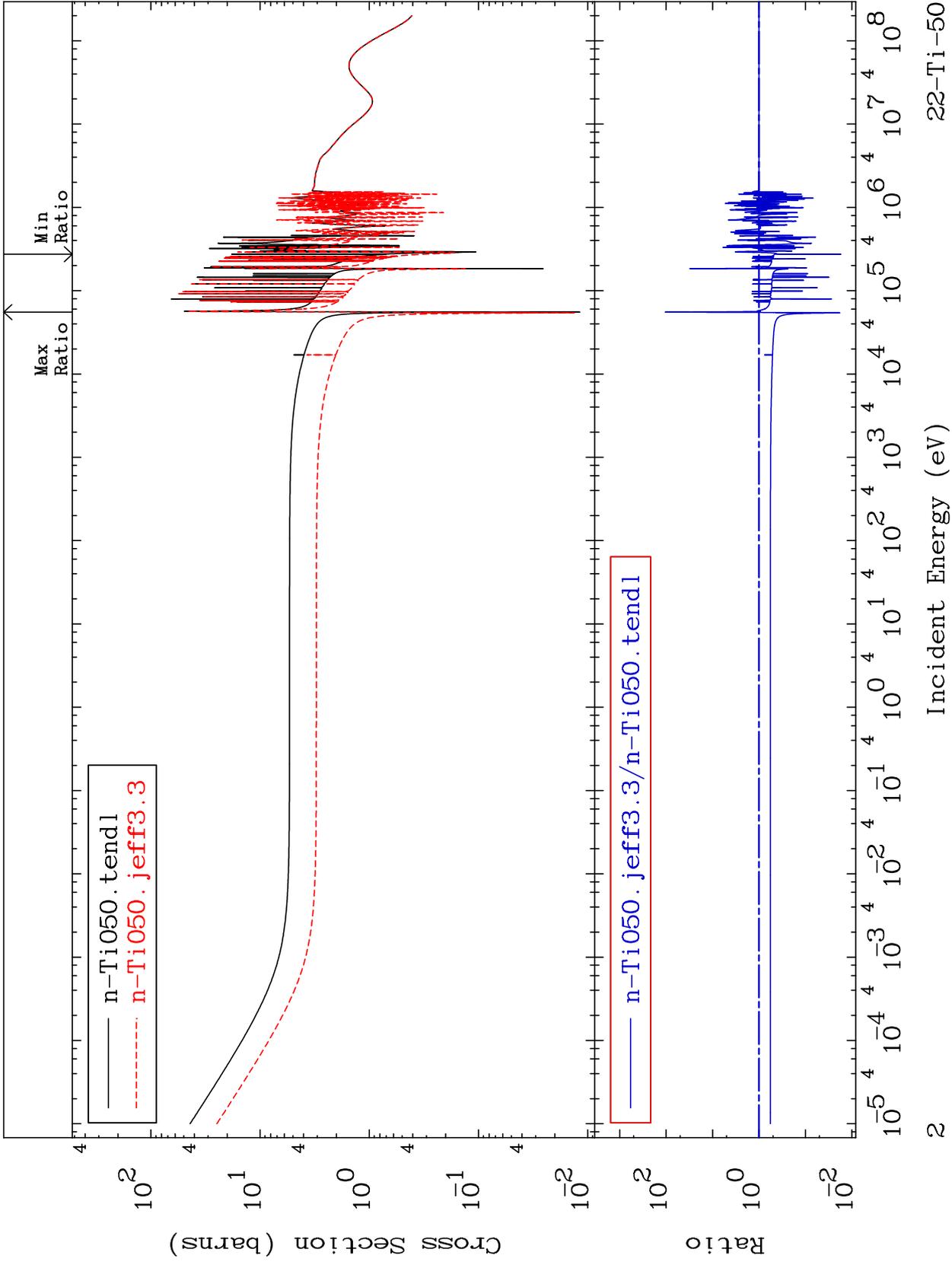
Incident Energy (eV)

22-Ti-50

MAT 2237

Elastic
Cross Section

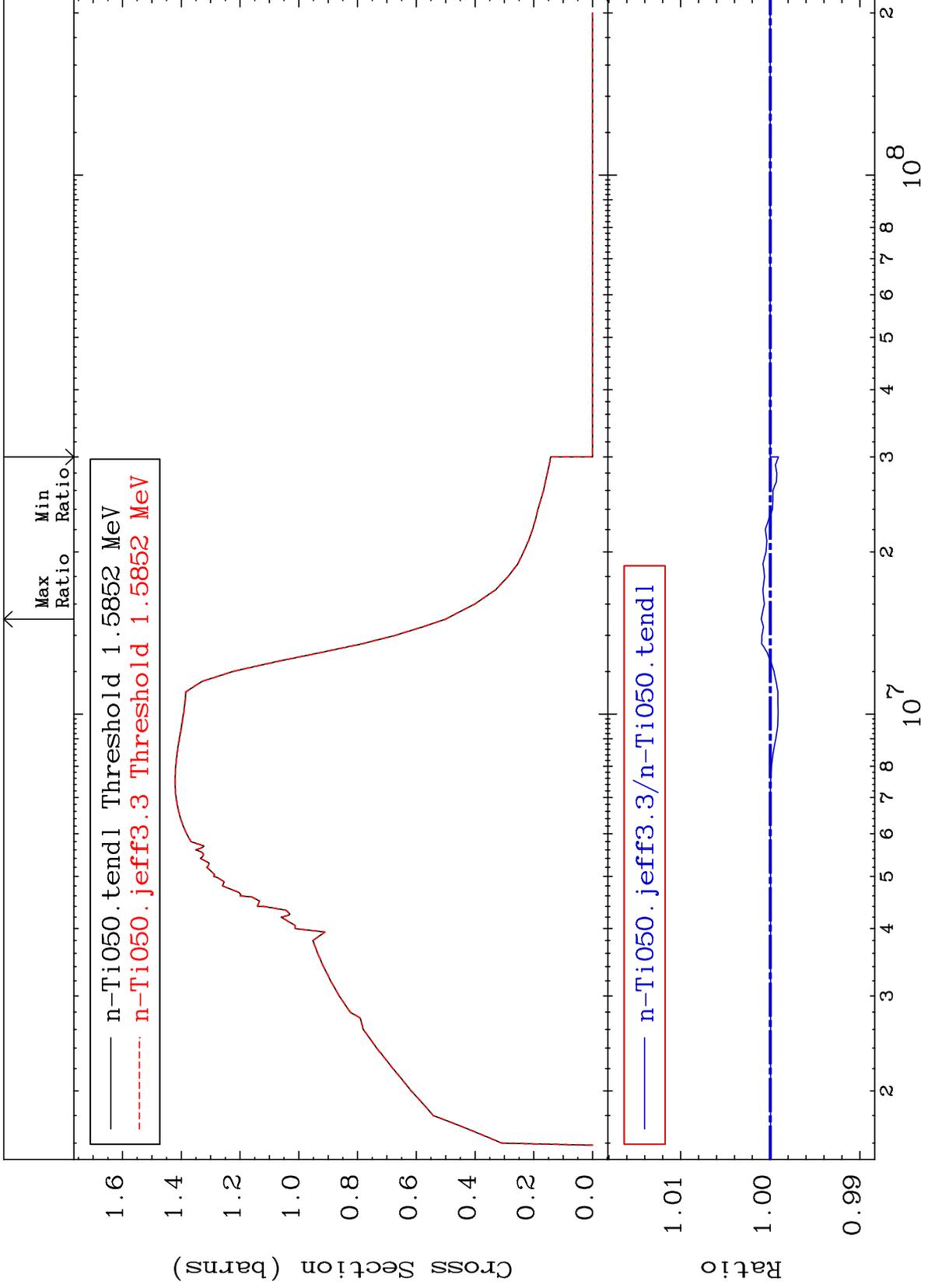
22-Ti-50
-98.27 To 9999. %



MAT 2237

Inelastic
Cross Section

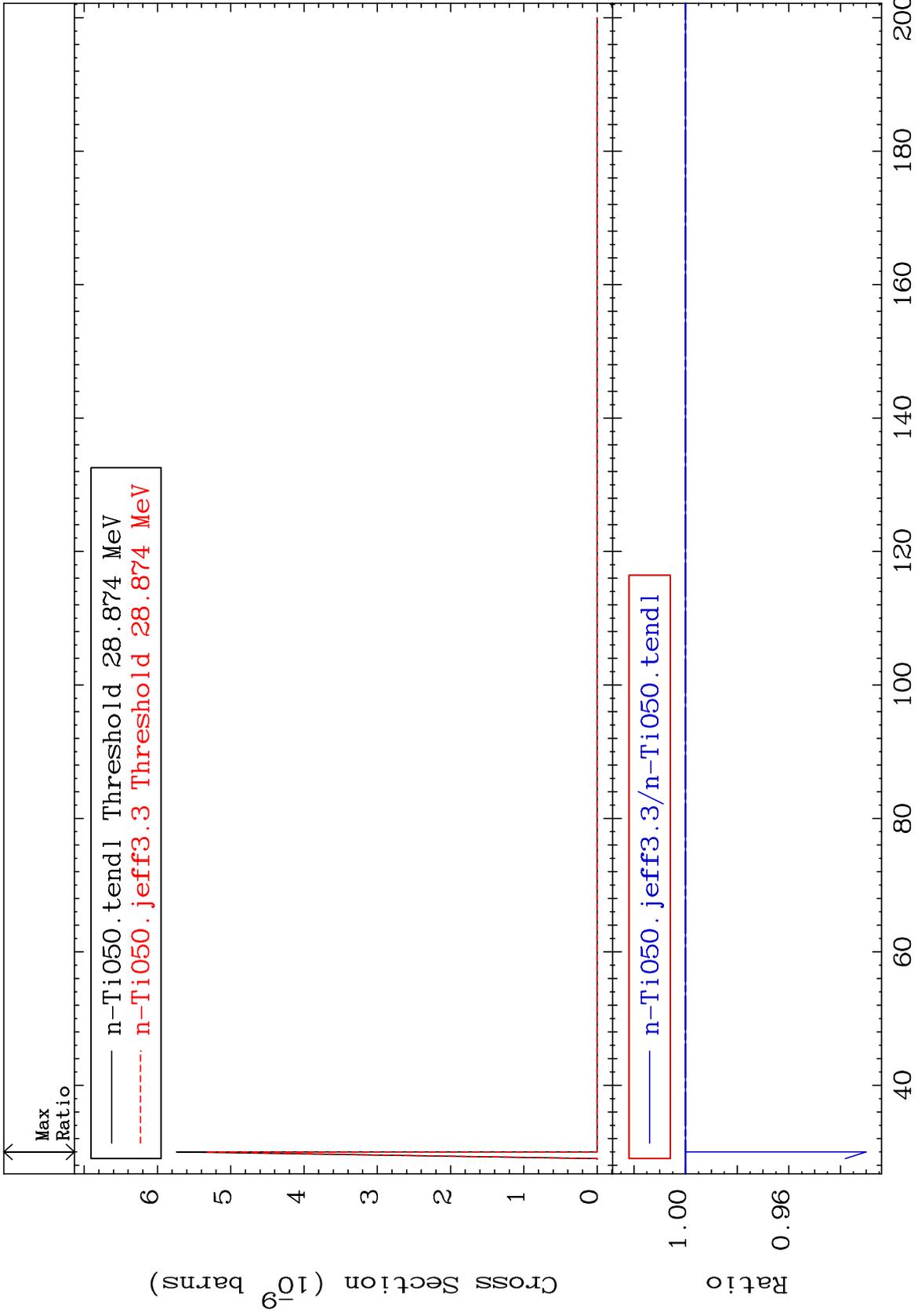
22-Ti-50
-0.092 To 0.100 %



MAT 2237

(n,2n) d
Cross Section

22-Ti-50
-6.997 To 0.000 %



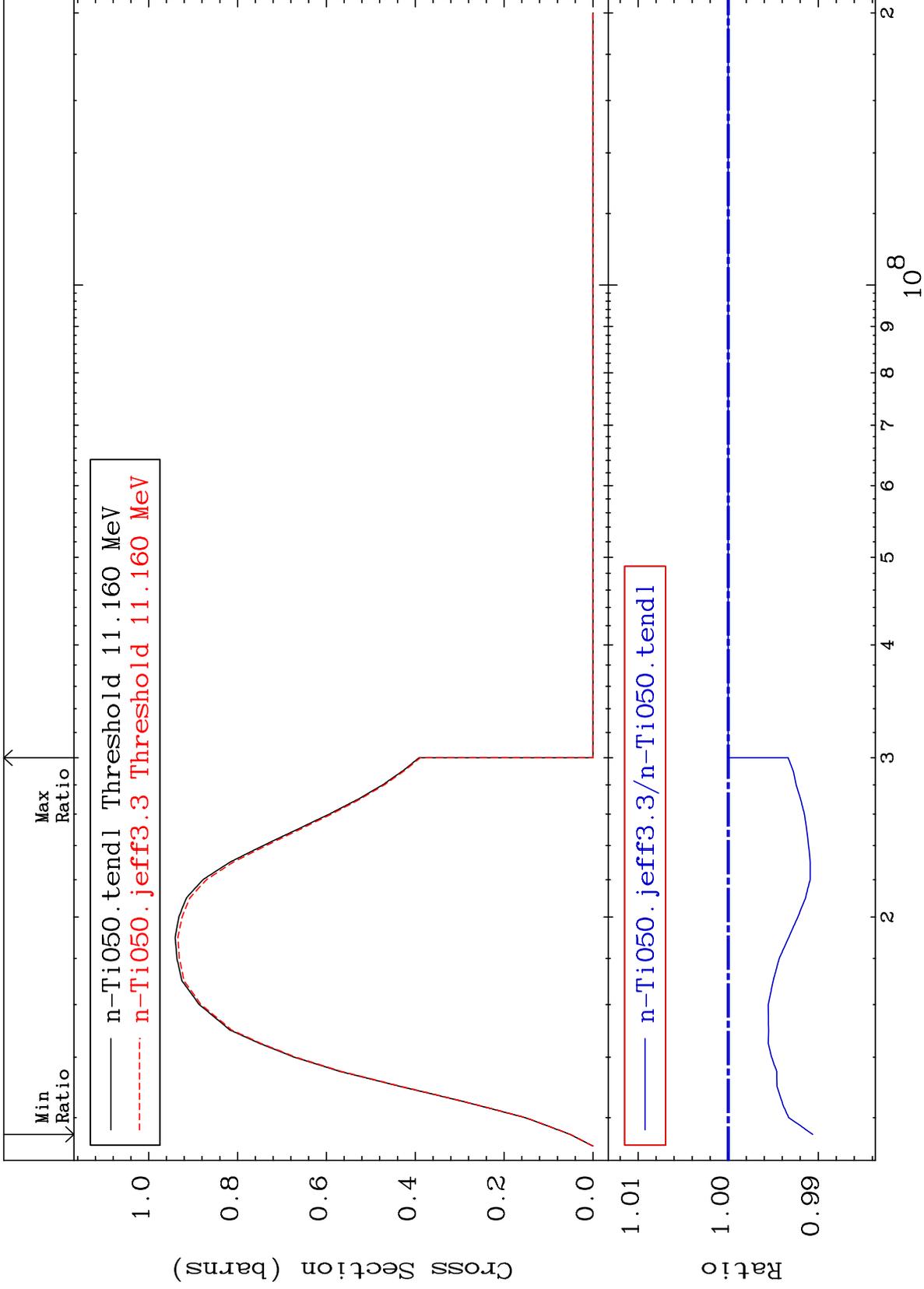
MAT 2237

(n,2n)

22-Ti-50

Cross Section

-0.938 To 0.000 %



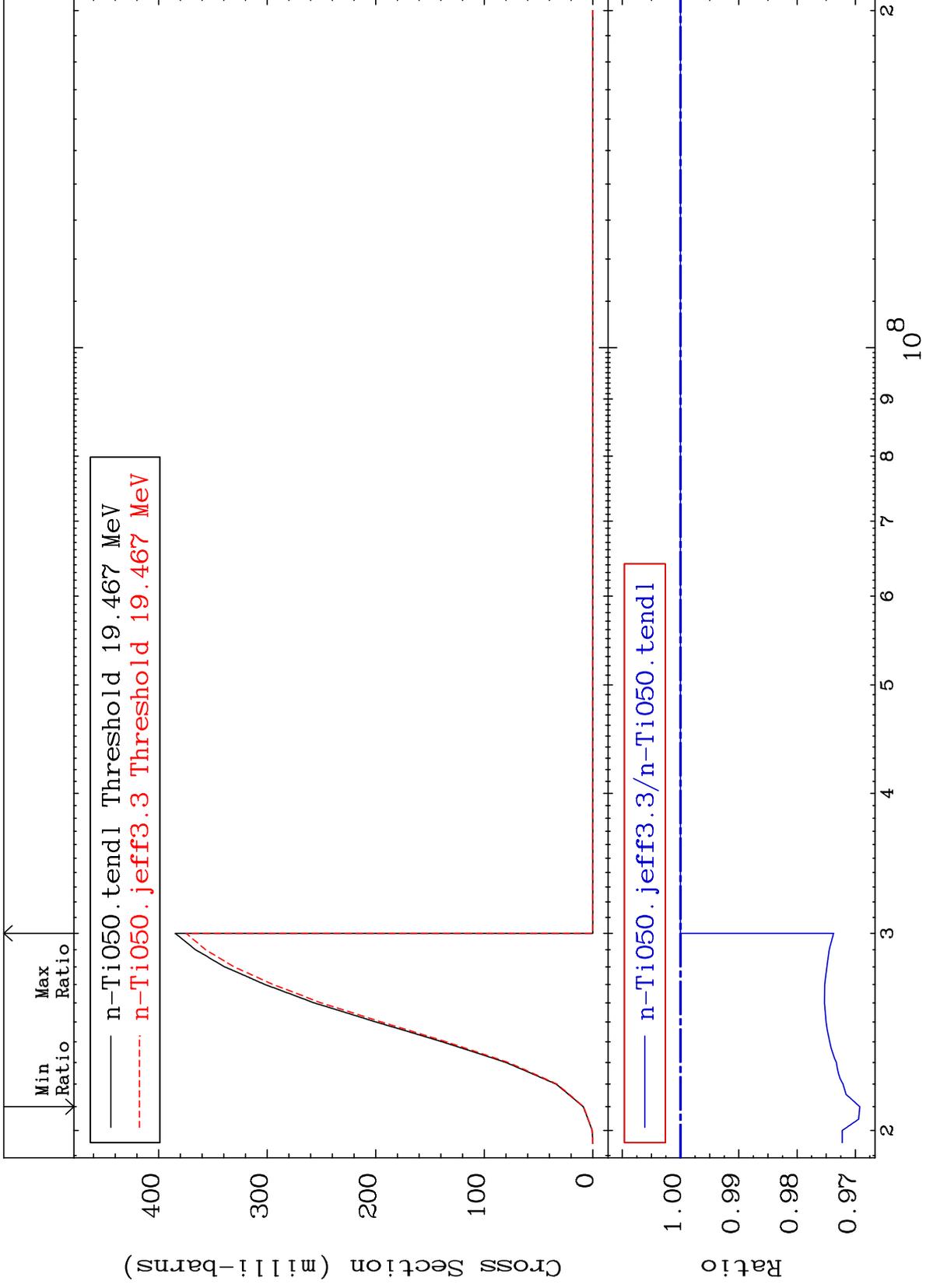
MAT 2237

(n,3n)

22-Ti-50

Cross Section

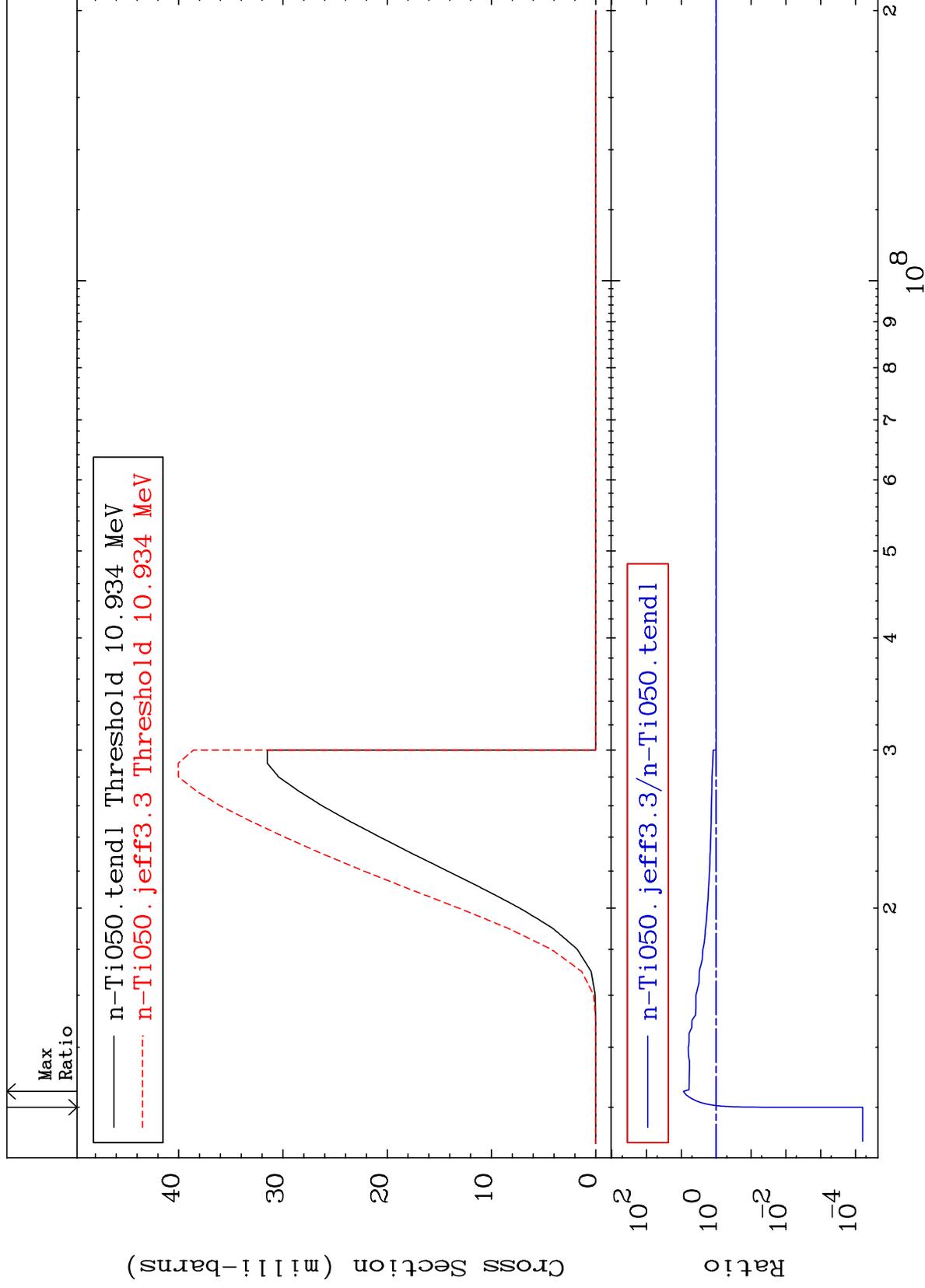
-3.076 To 0.000 %



MAT 2237

(n,n') α
Cross Section

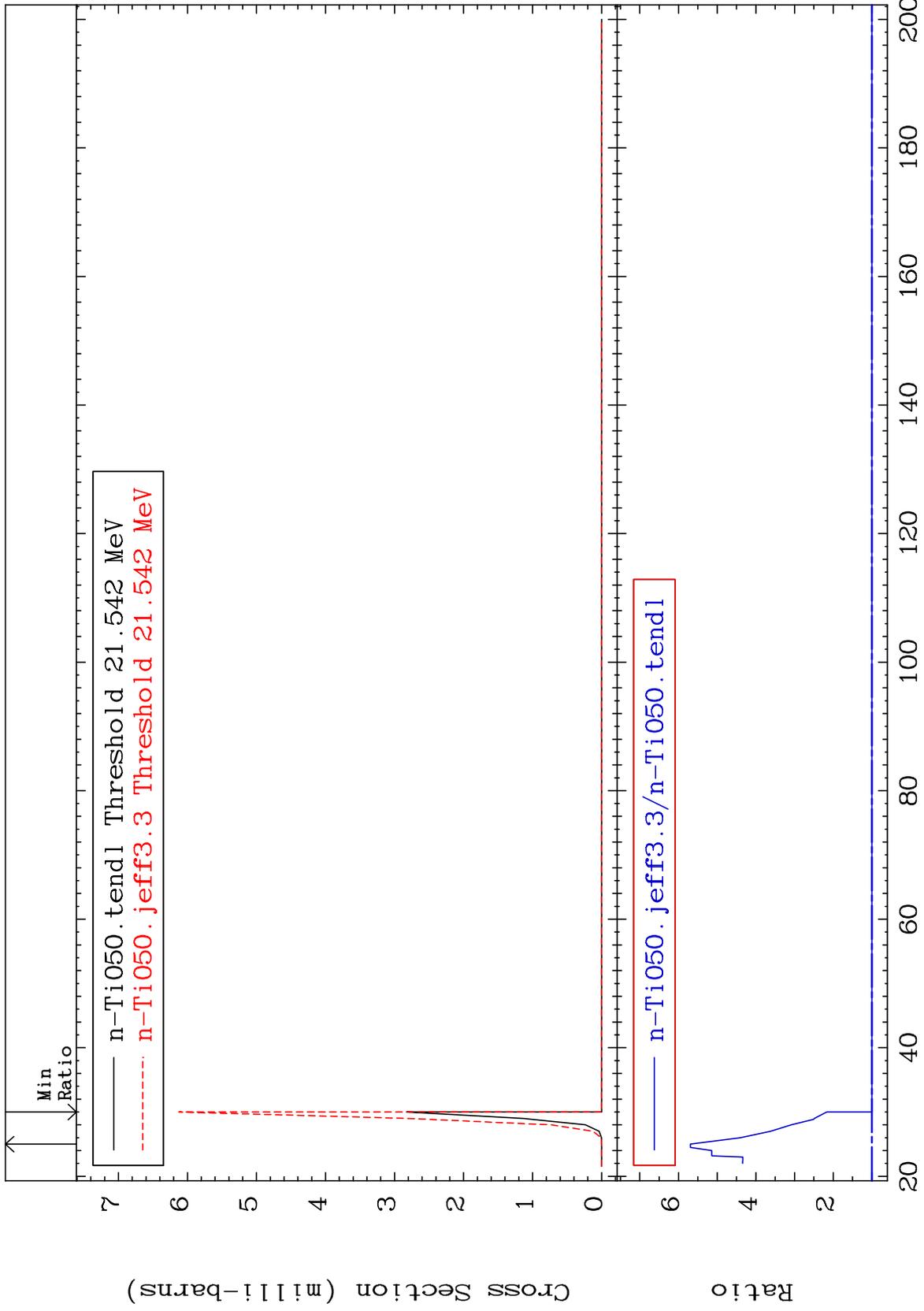
22-Ti-50
-99.99 To 773.1 %



MAT 2237

(n,2n) α
Cross Section

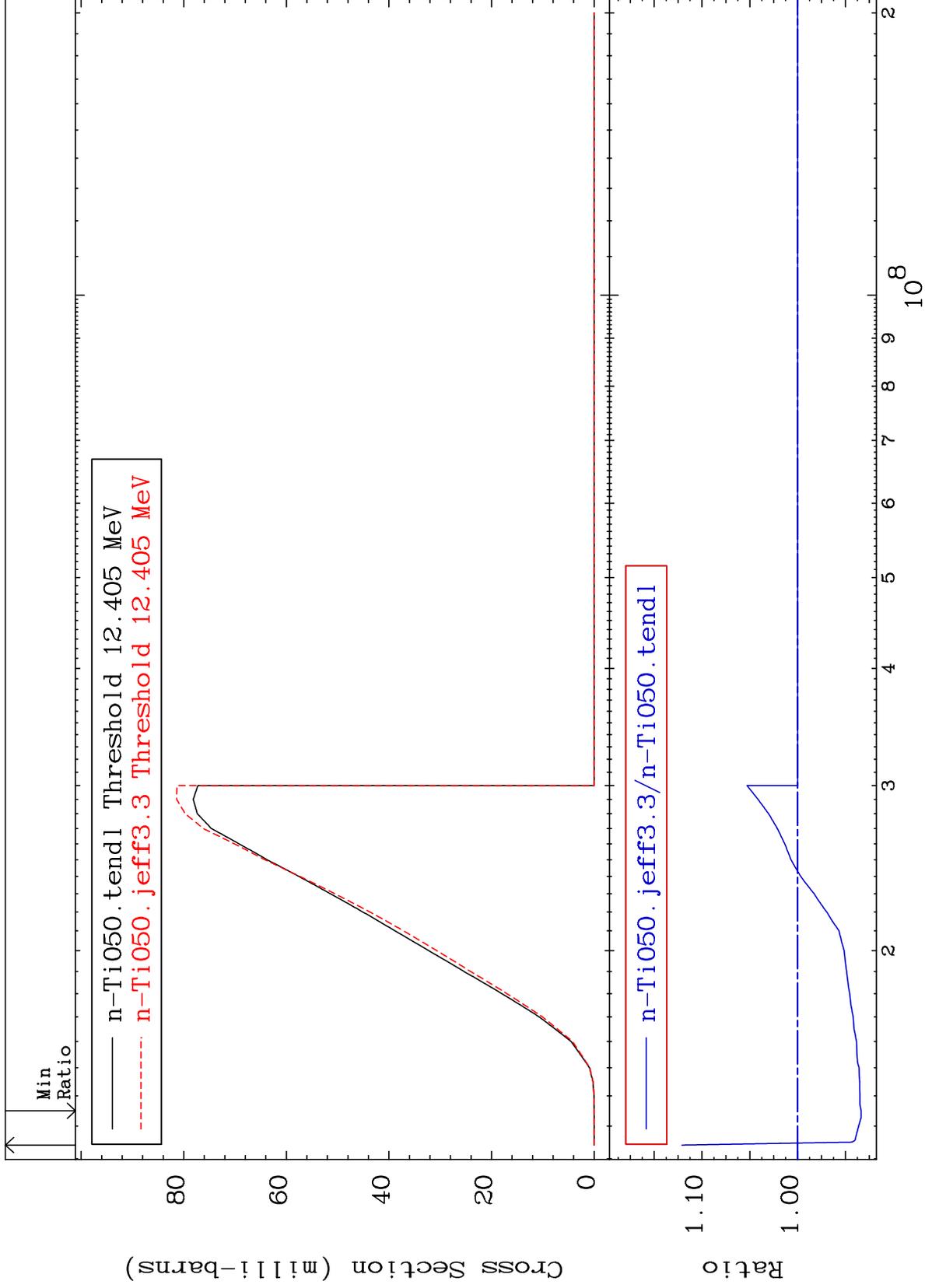
22-Ti-50
To 469.1 %
0.000



MAT 2237

(n,n') p
Cross Section

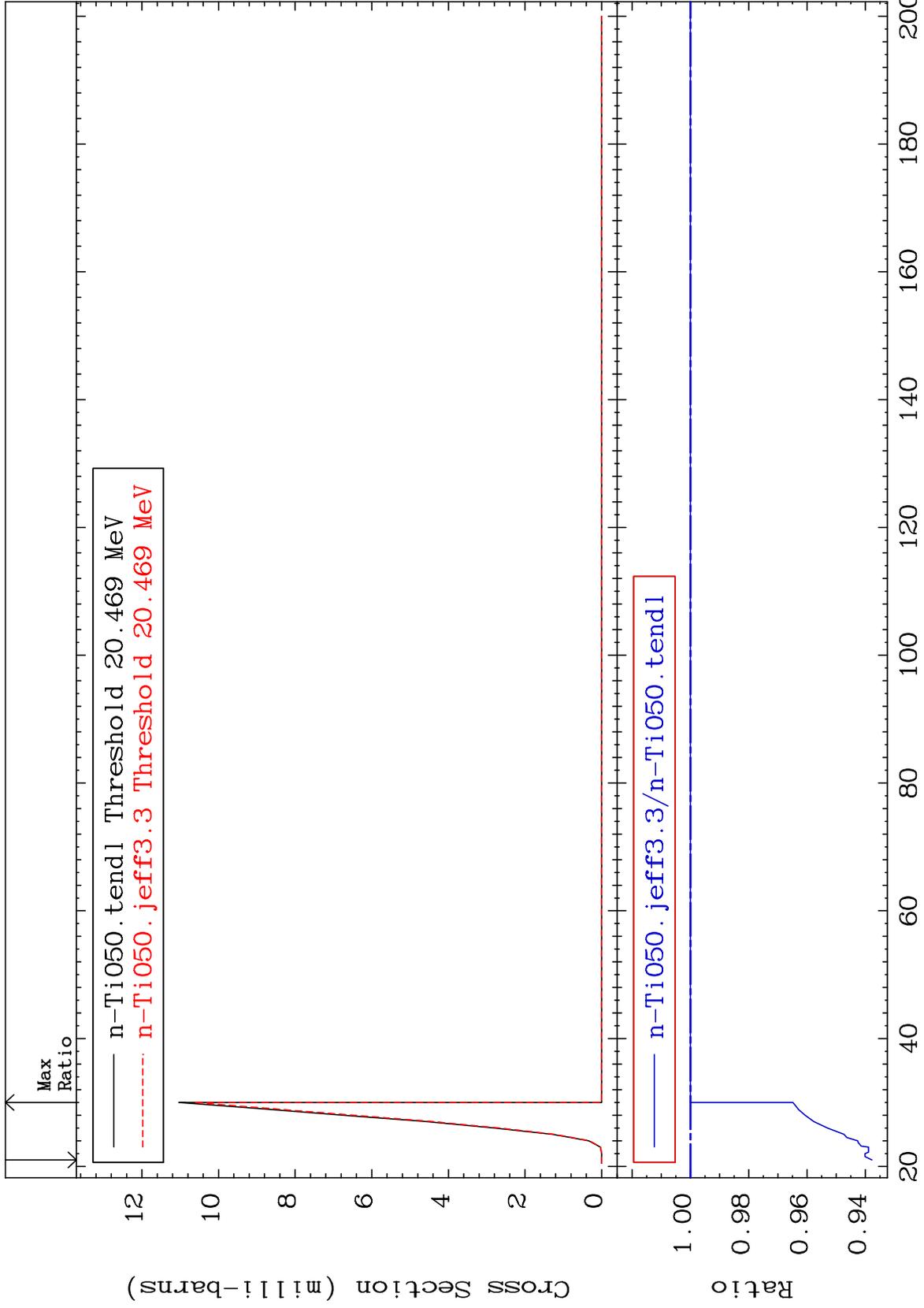
22-Ti-50
-6.640 To 12.10 %



MAT 2237

(n,n') d
Cross Section

22-Ti-50
-6.223 To 0.000 %



22-Ti-50

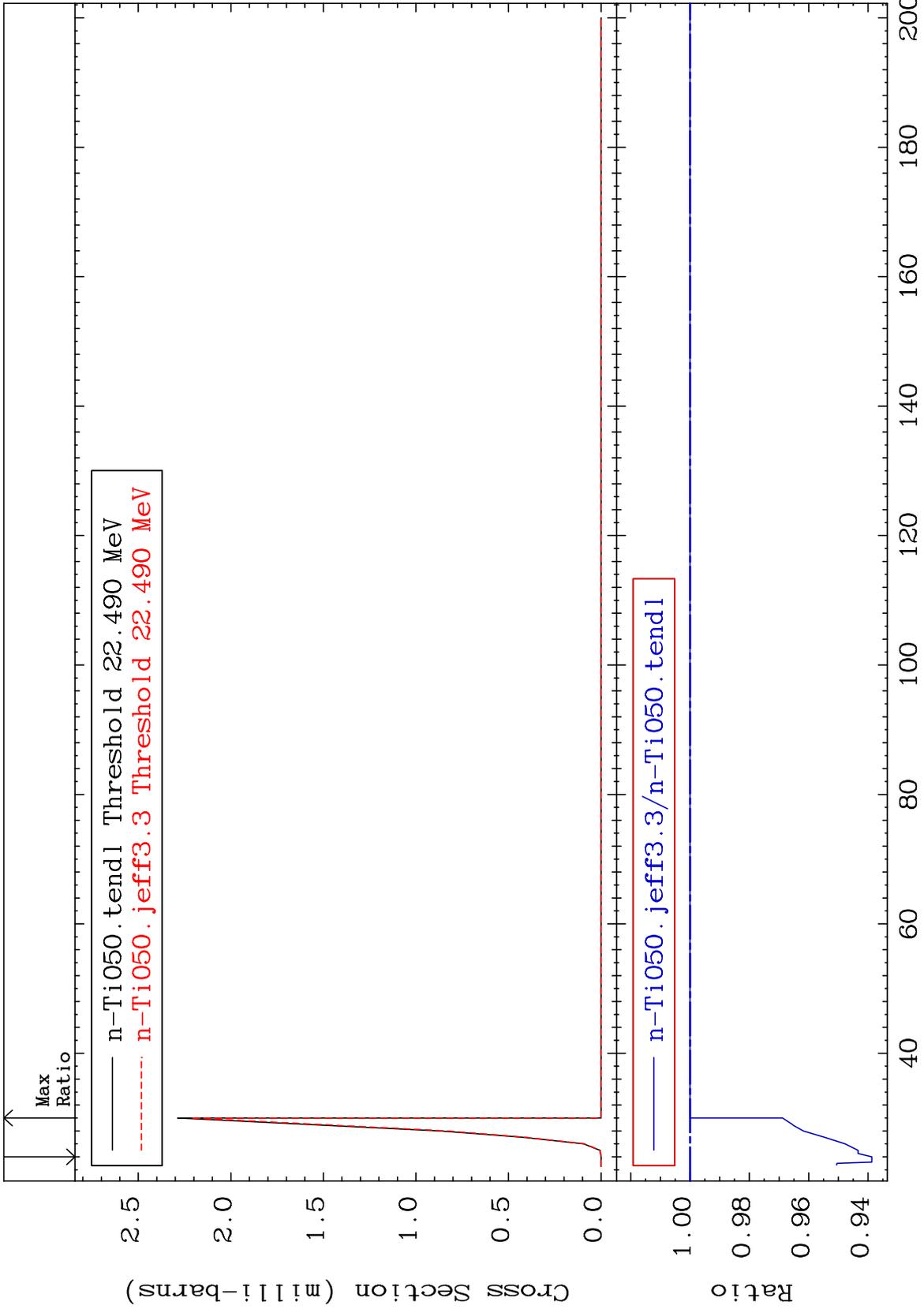
Incident Energy (MeV)

10

MAT 2237

(n,n') t
Cross Section

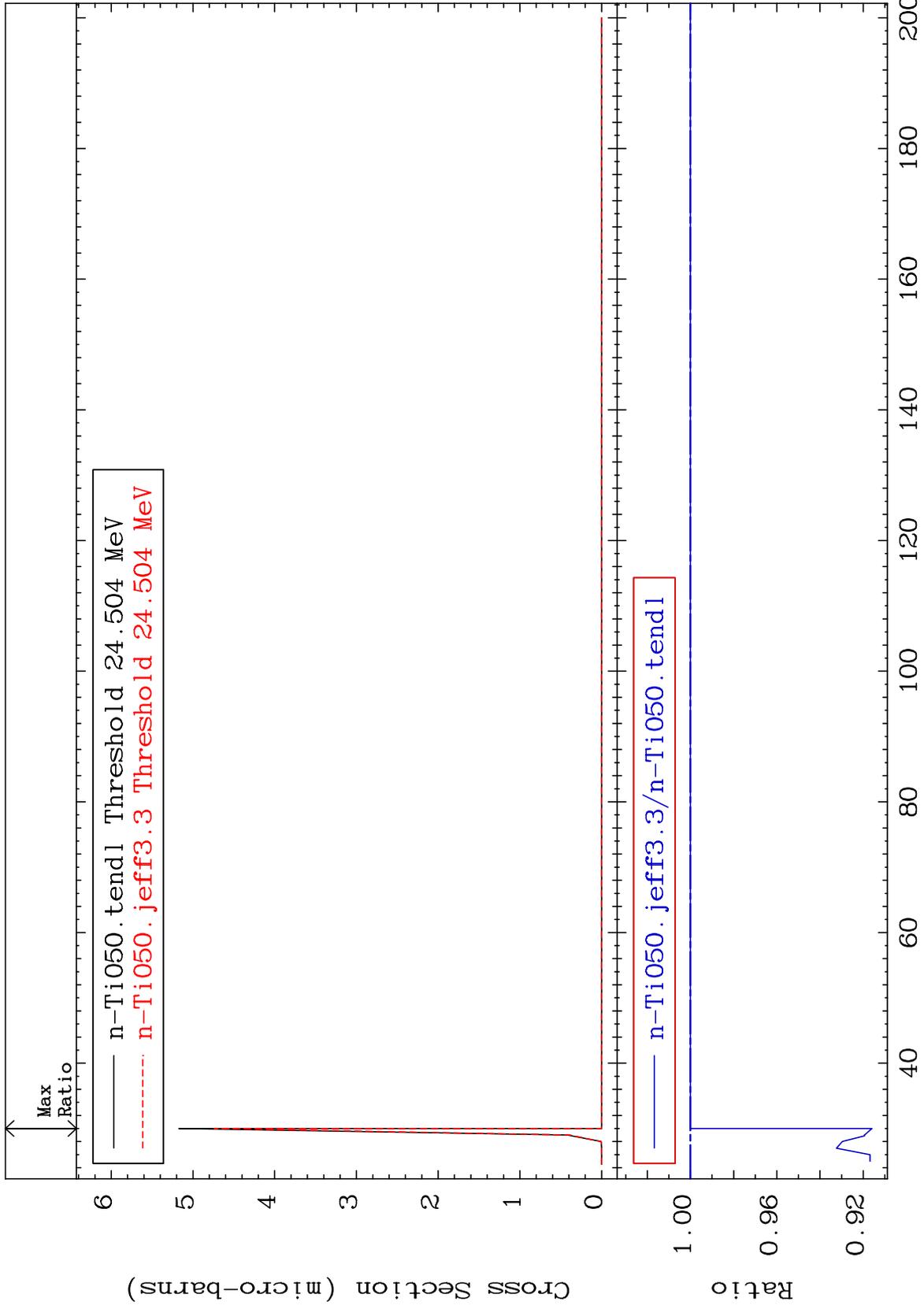
22-Ti-50
-6.130 To 0.000 %



MAT 2237

(n, n') He-3
Cross Section

22-Ti-50
-8.404 To 0.000 %



12

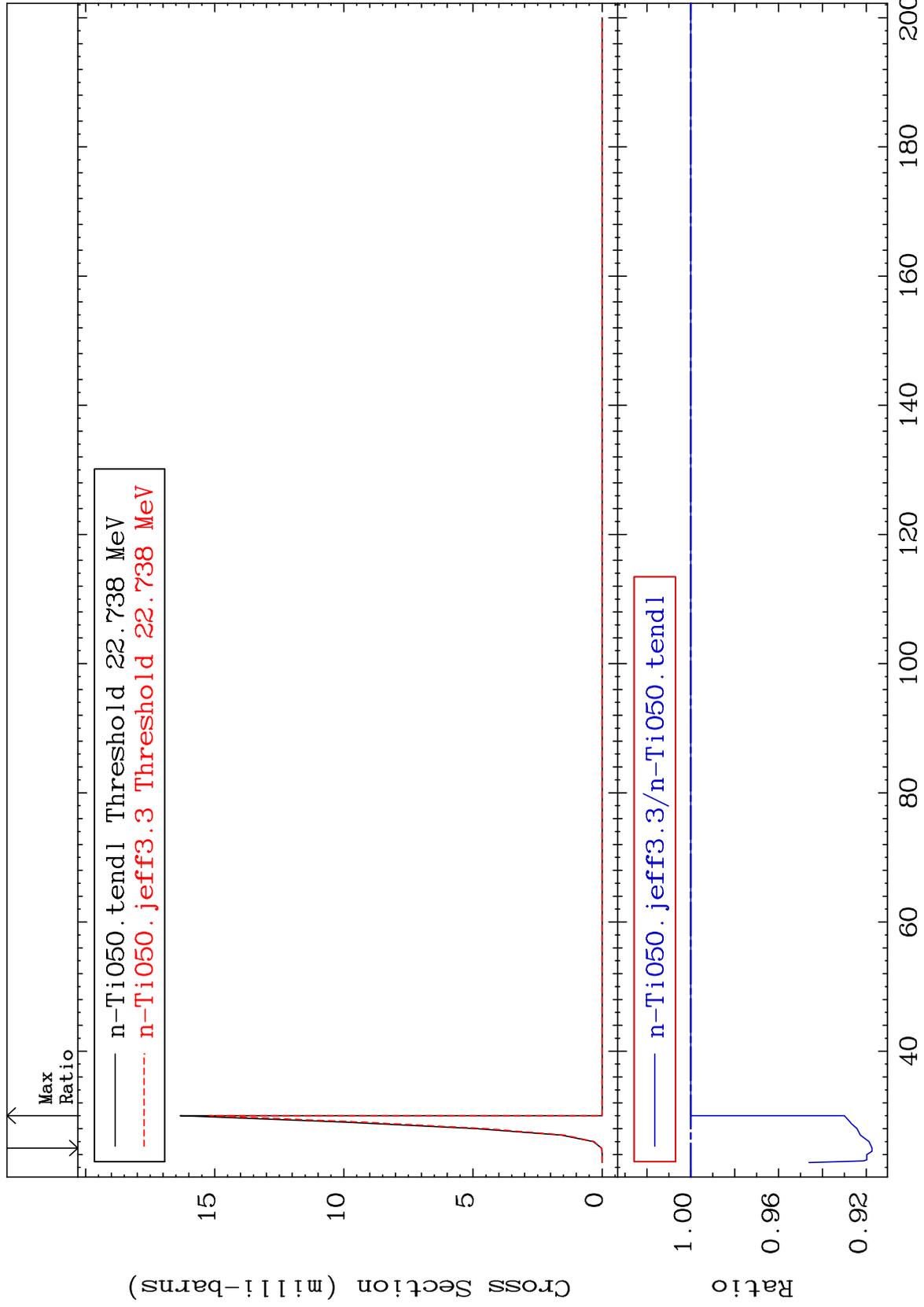
Incident Energy (MeV)

22-Ti-50

MAT 2237

(n,2n) p
Cross Section

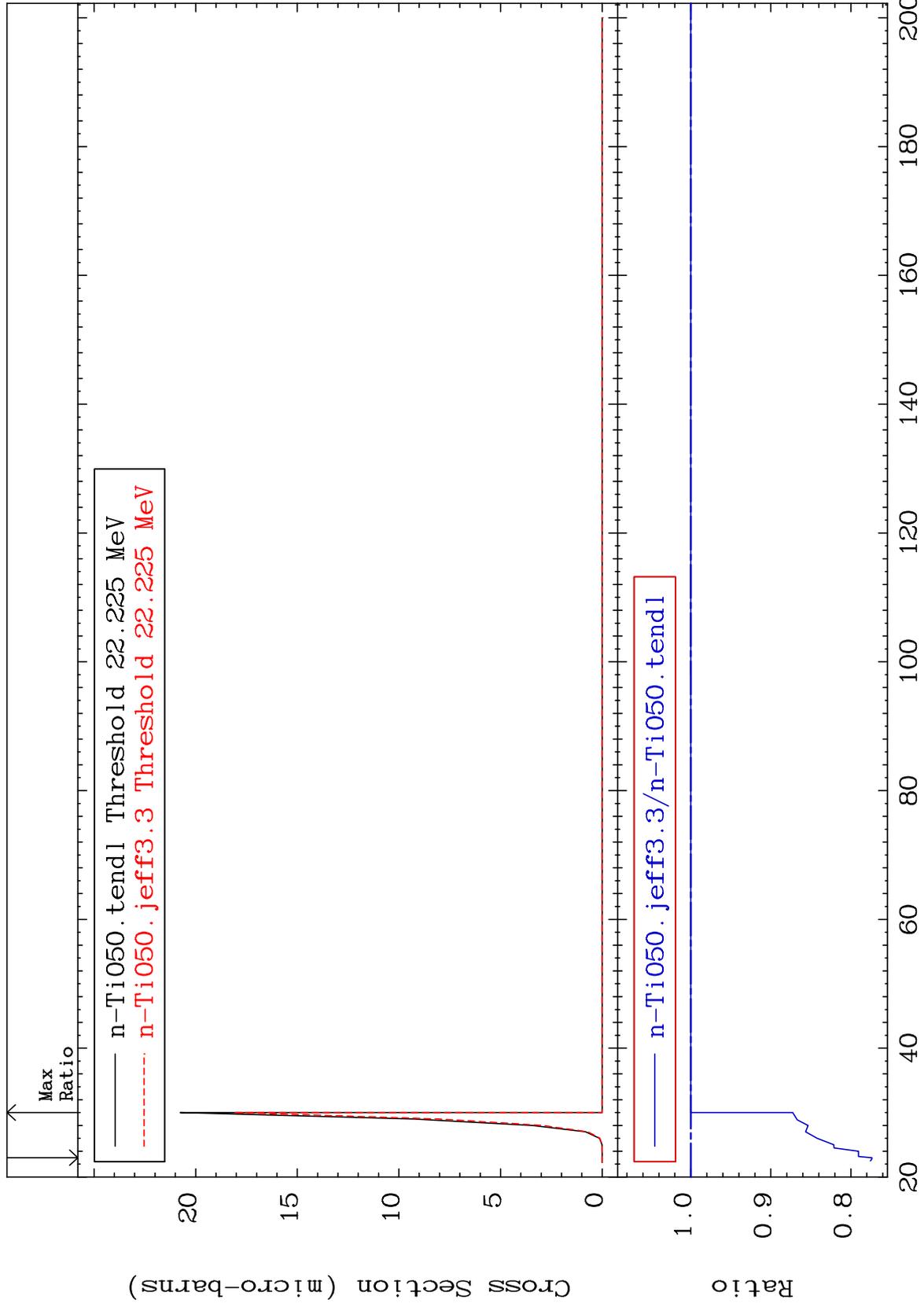
22-Ti-50
-8.255 To 0.000 %



MAT 2237

(n,2n) p
Cross Section

22-Ti-50
-22.65 To 0.000 %



14

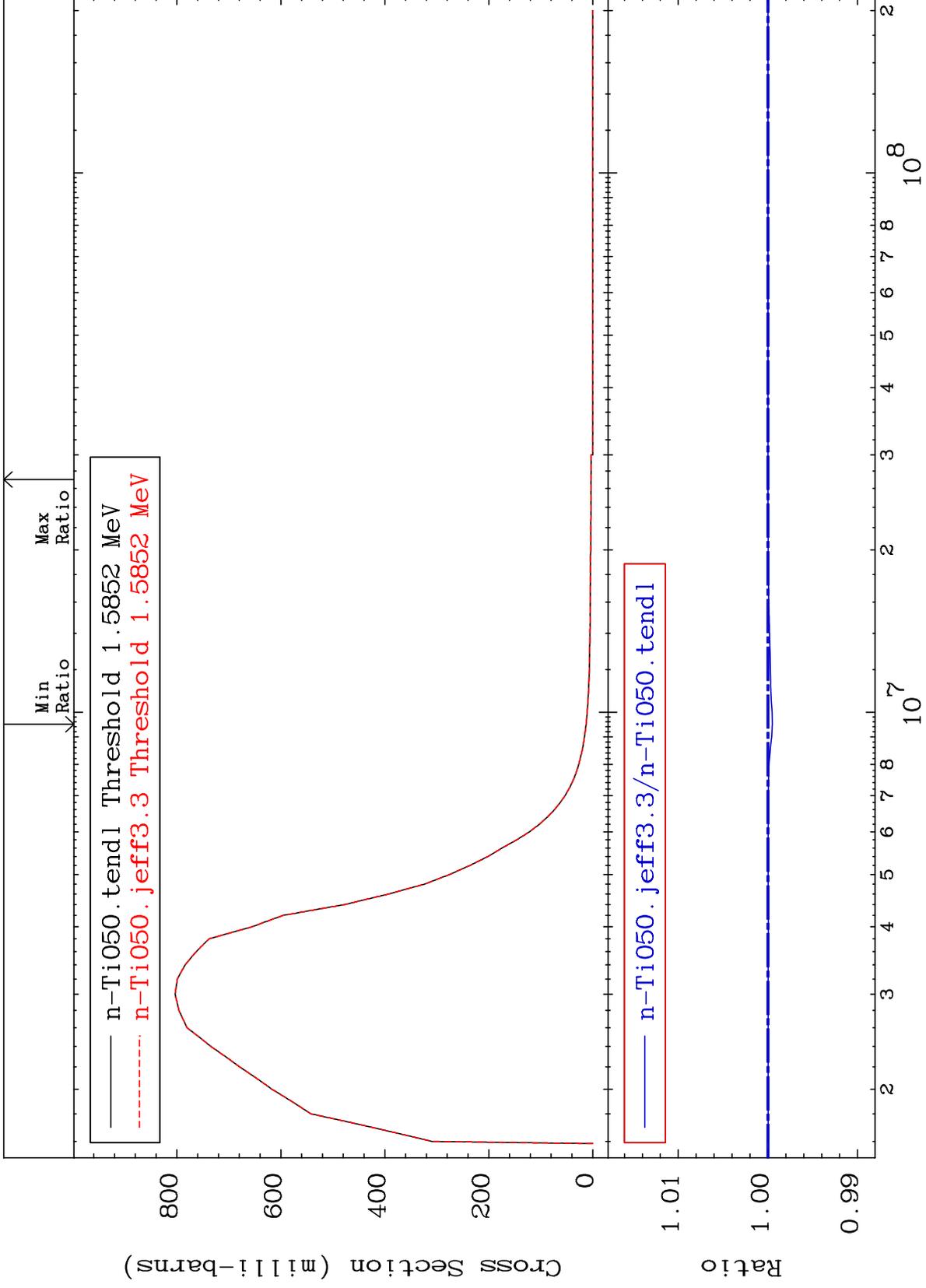
Incident Energy (MeV)

22-Ti-50

MAT 2237

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

22-Ti-50
-0.050 To 0.000 %



15

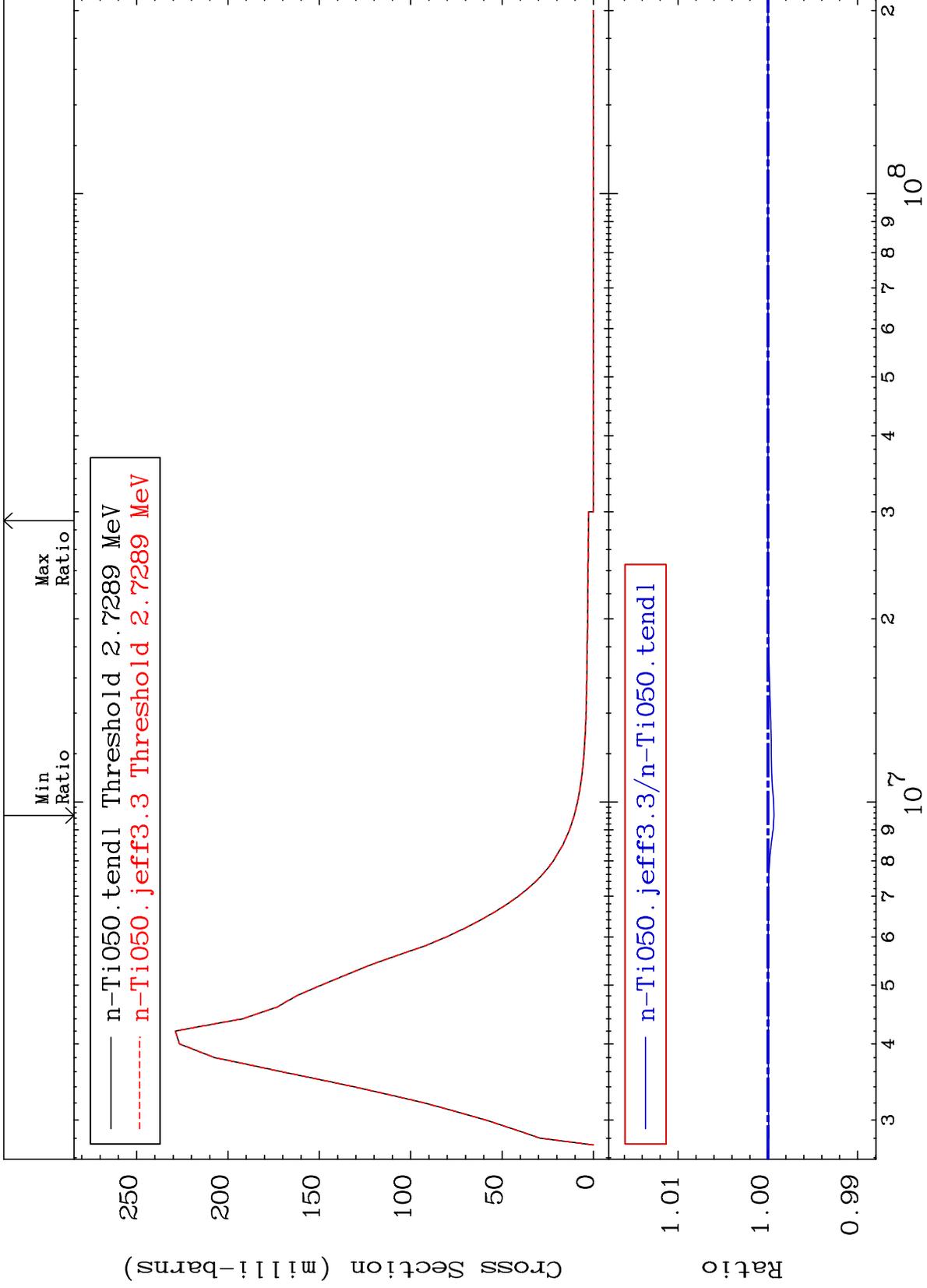
Incident Energy (eV)

22-Ti-50

MAT 2237

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

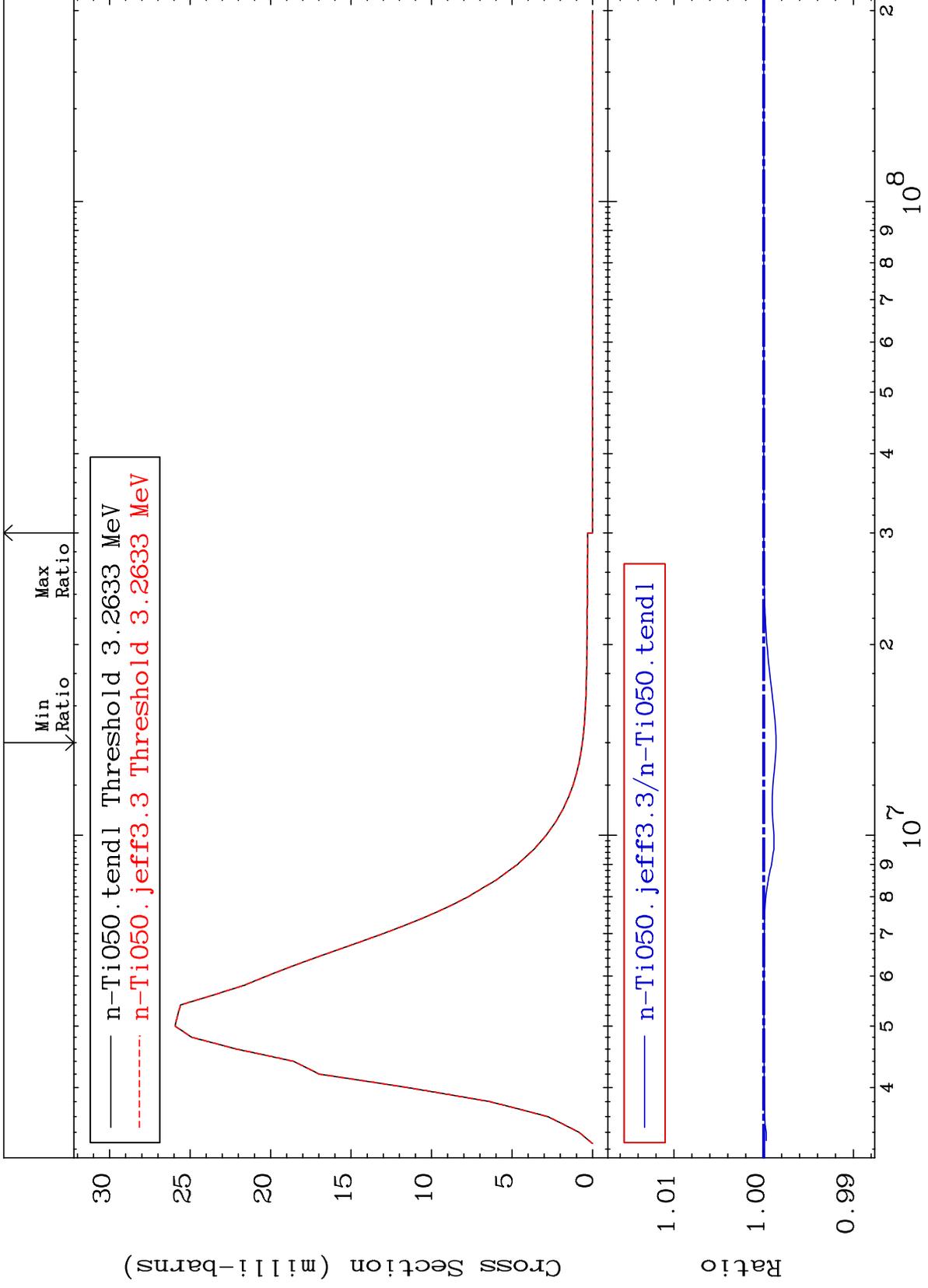
22-Ti-50
-0.069 To 0.000 %



MAT 2237

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

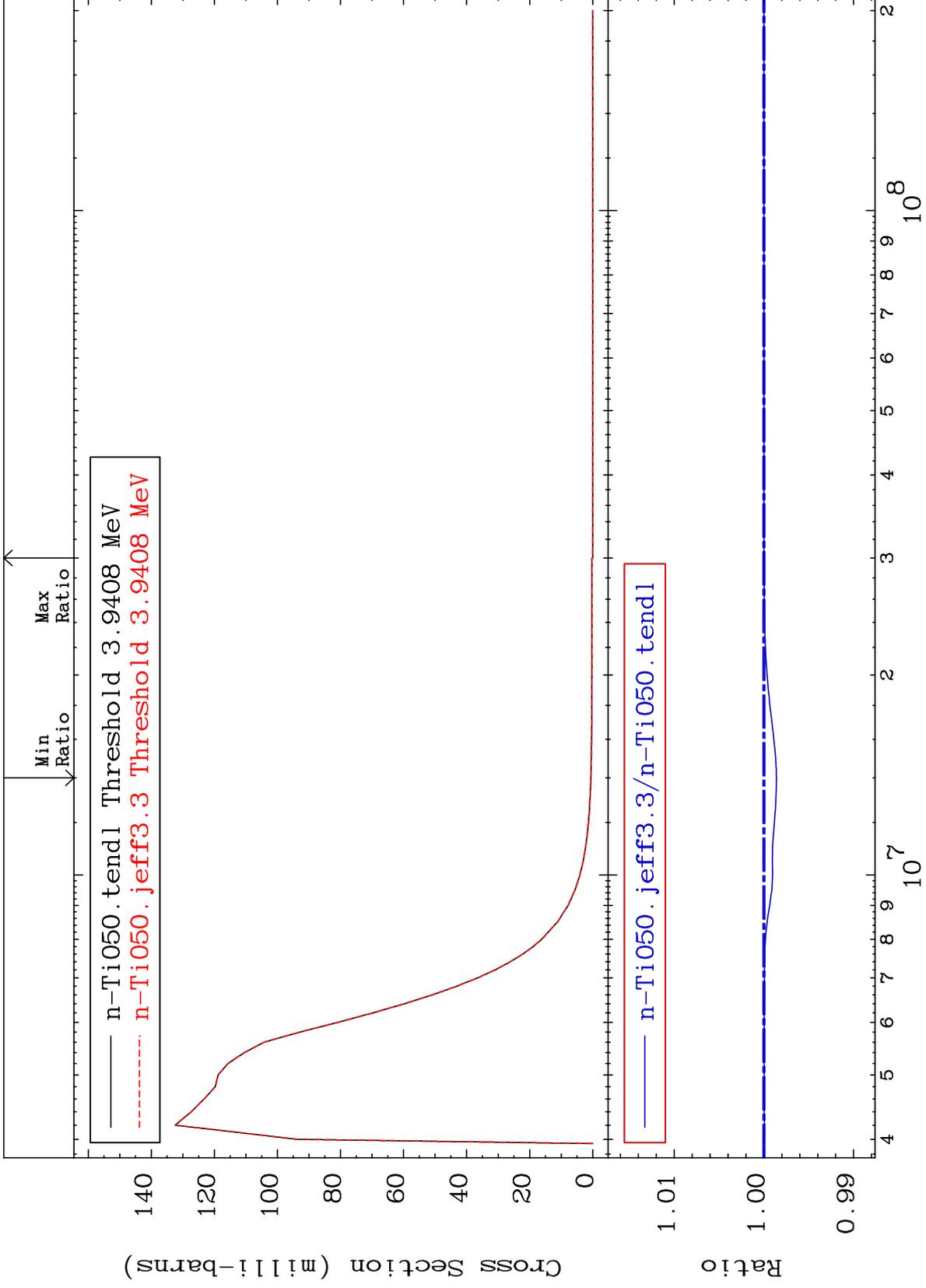
22-Ti-50
-0.139 To 0.000 %



MAT 2237

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

22-Ti-50
-0.139 To 0.000 %



18

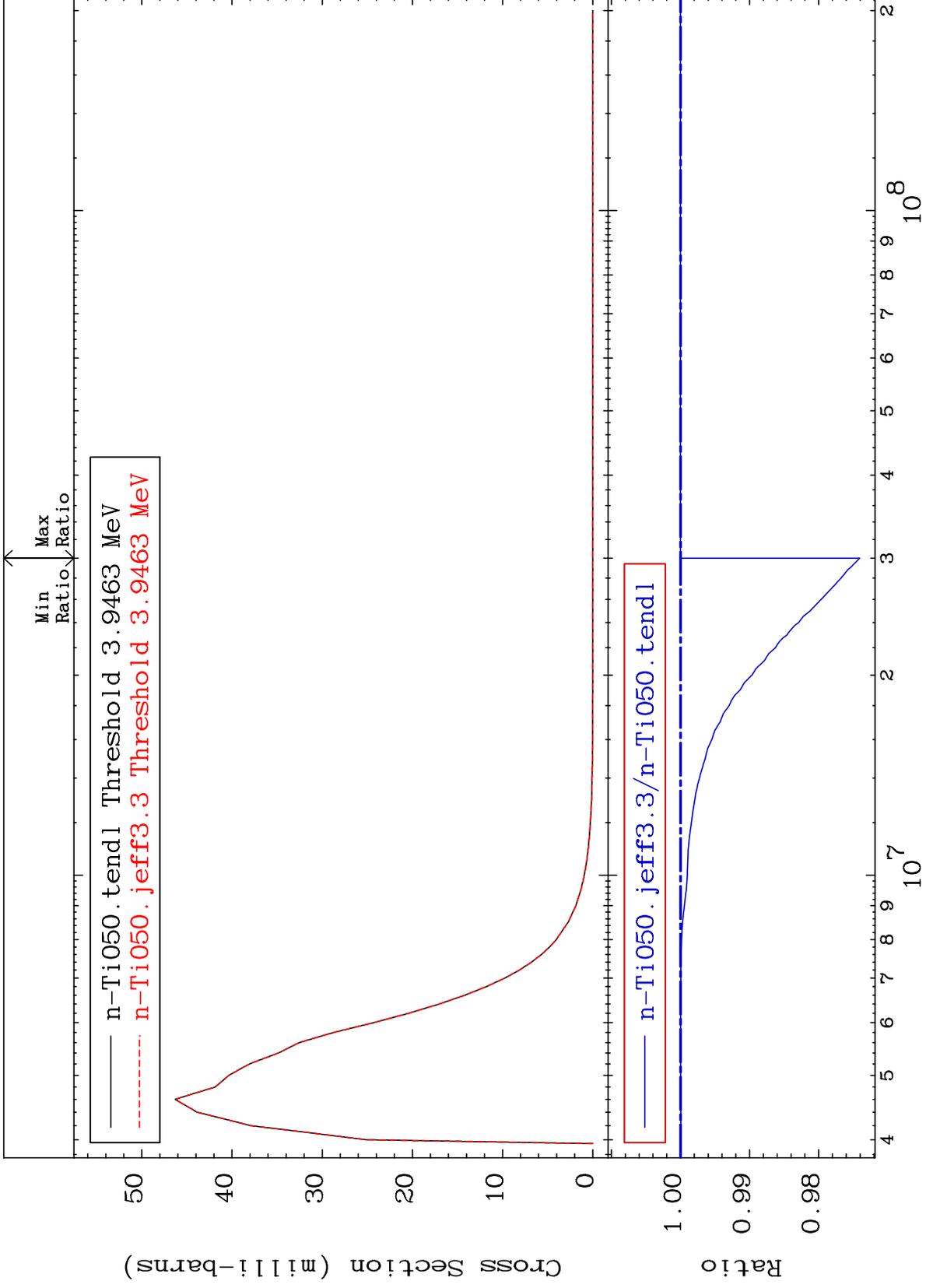
Incident Energy (eV)

22-Ti-50

MAT 2237

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

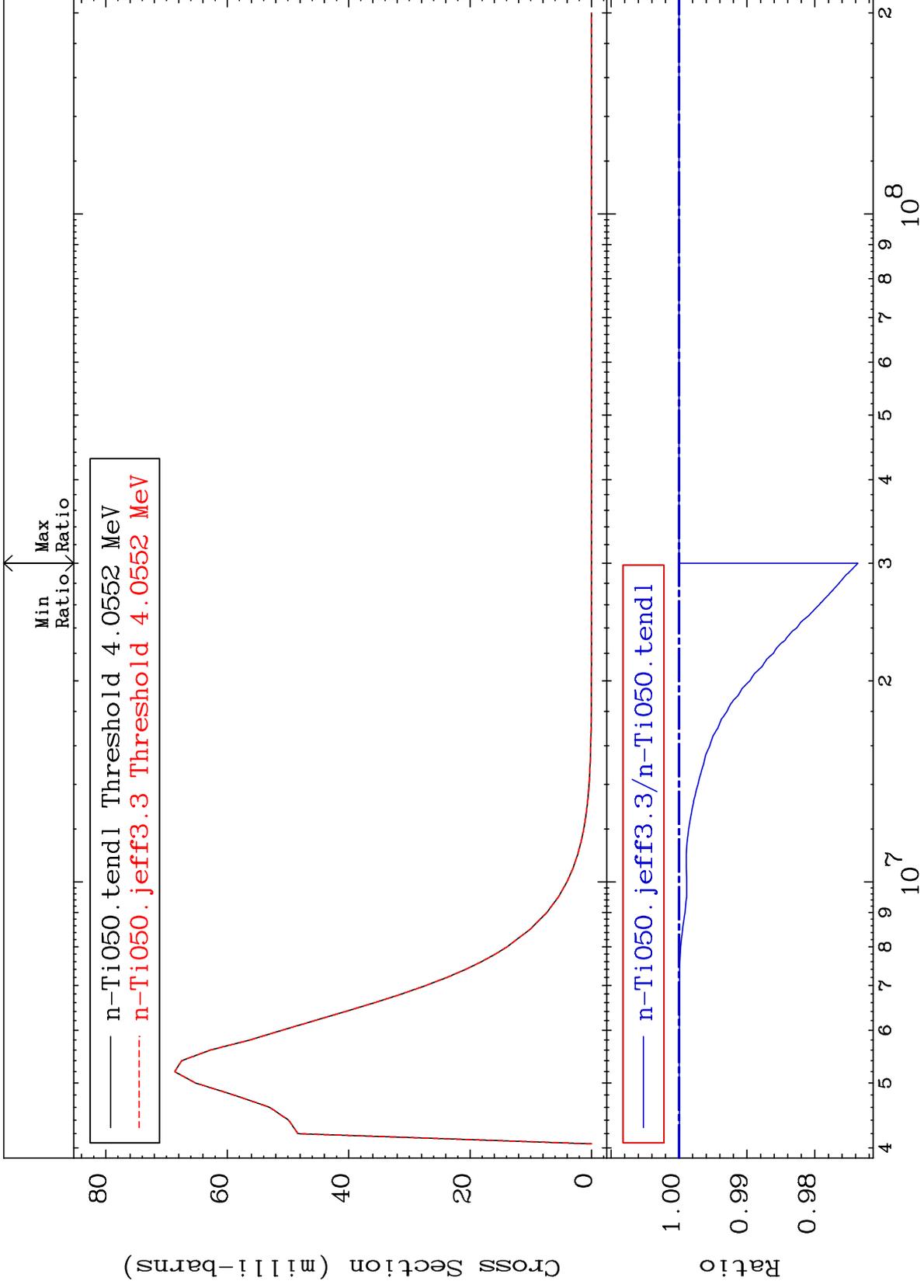
22-Ti-50
-2.595 To 0.000 %



MAT 2237

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

22-Ti-50
-2.634 To 0.000 %



20

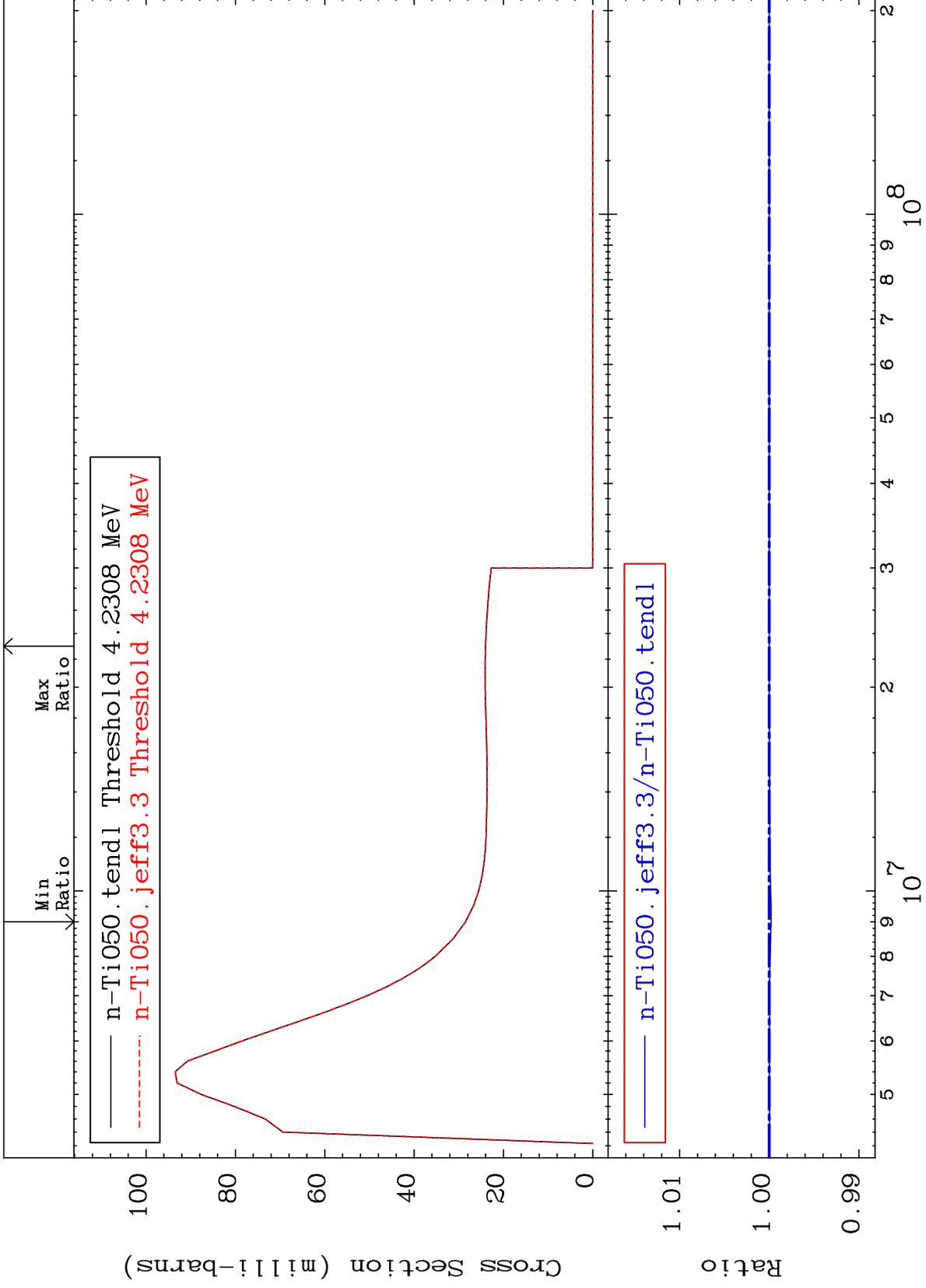
Incident Energy (eV)

22-Ti-50

MAT 2237

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

22-Ti-50
-0.021 To 0.000 %



21

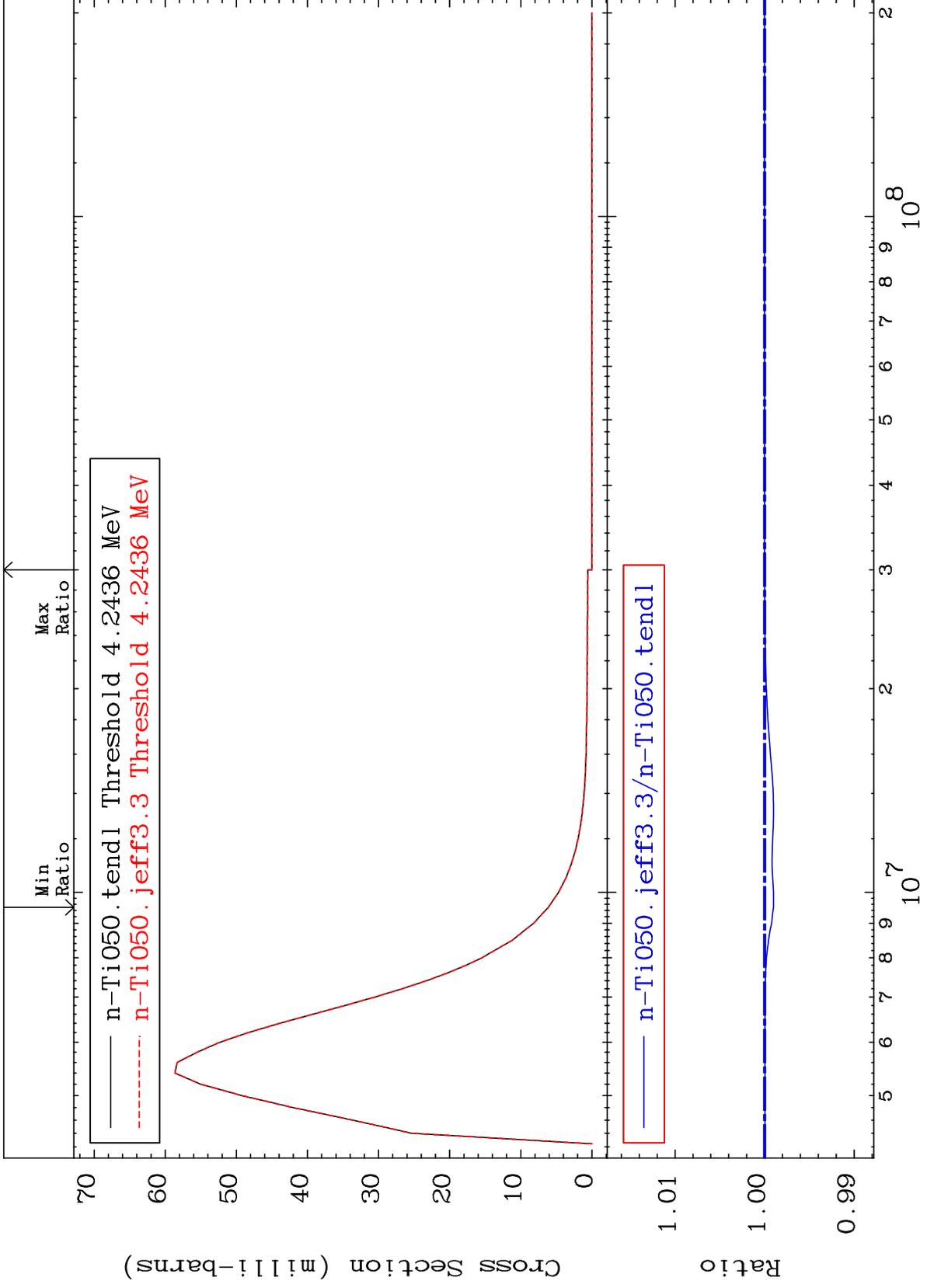
Incident Energy (eV)

22-Ti-50

MAT 2237

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

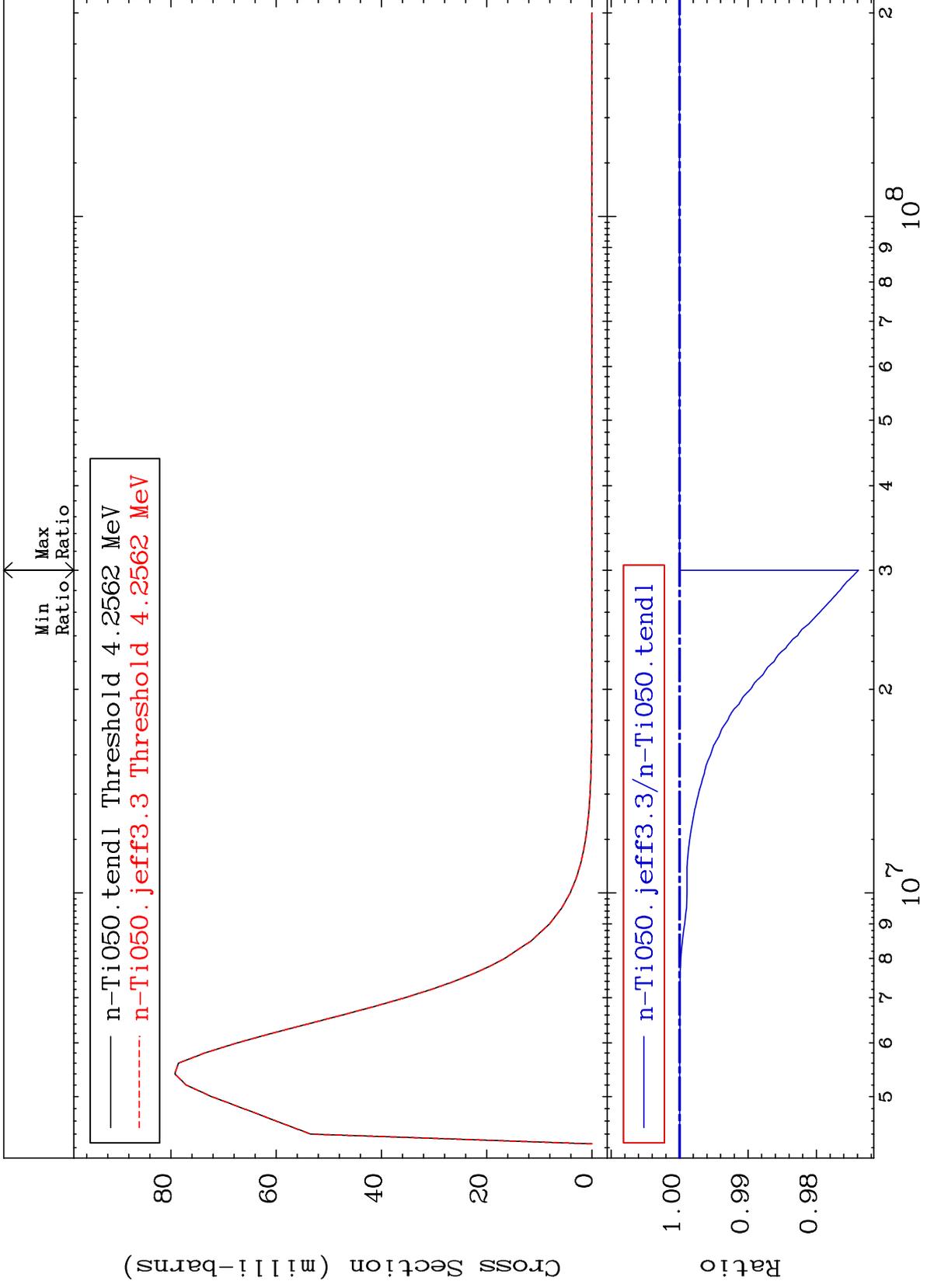
22-Ti-50
-0.099 To 0.000 %



MAT 2237

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

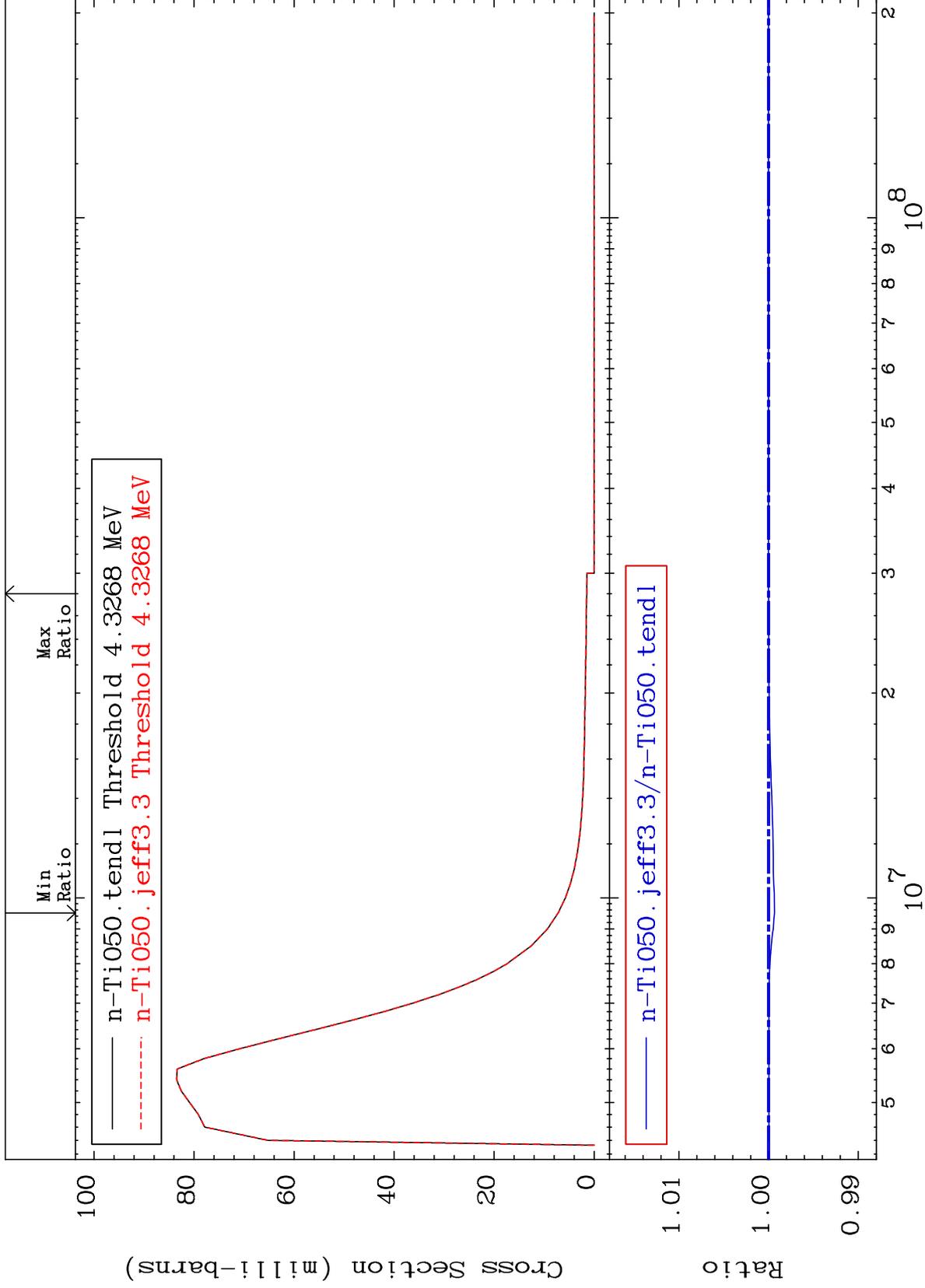
22-Ti-50
-2.615 To 0.000 %



MAT 2237

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

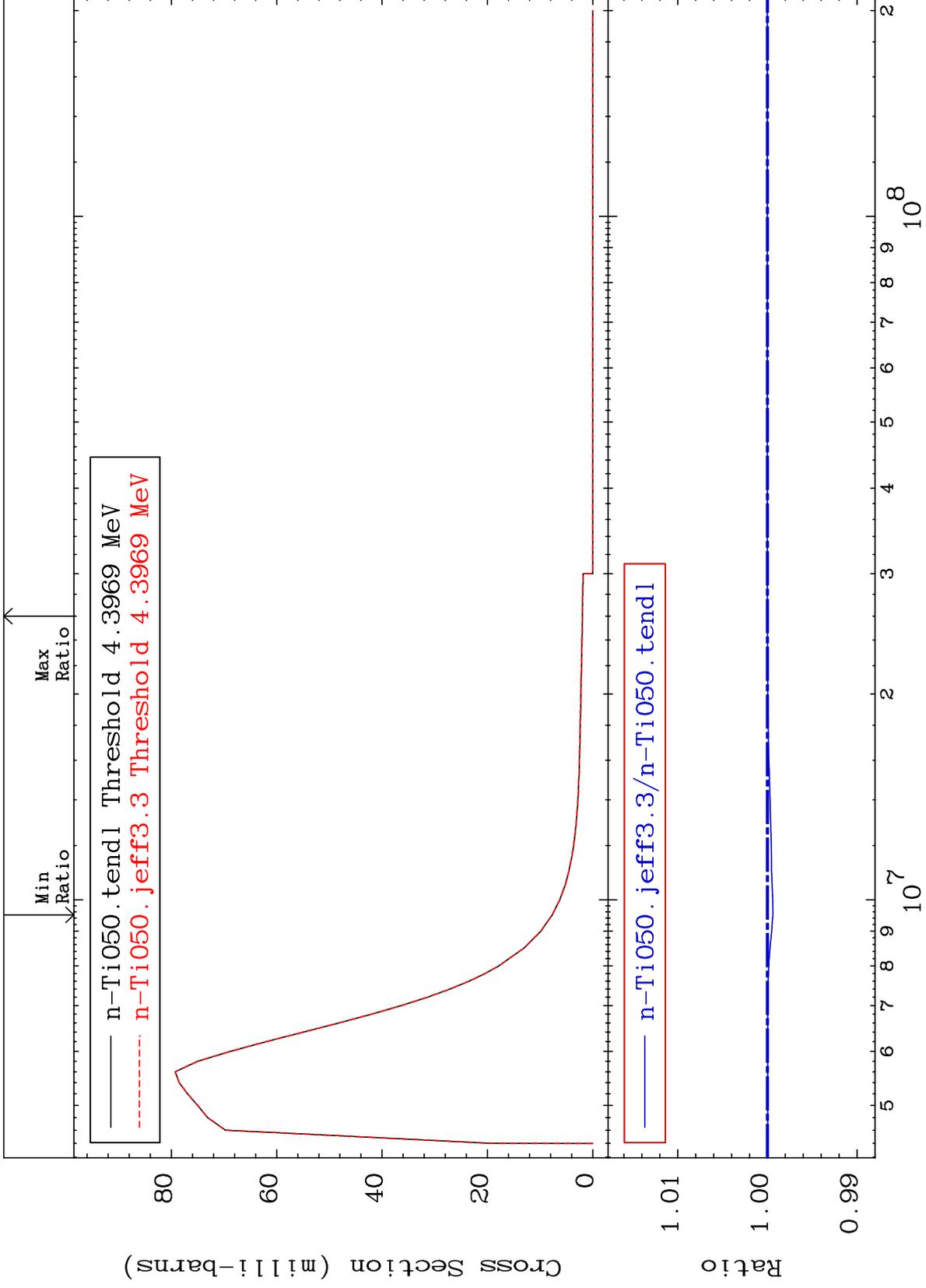
22-Ti-50
-0.066 To 0.000 %



MAT 2237

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

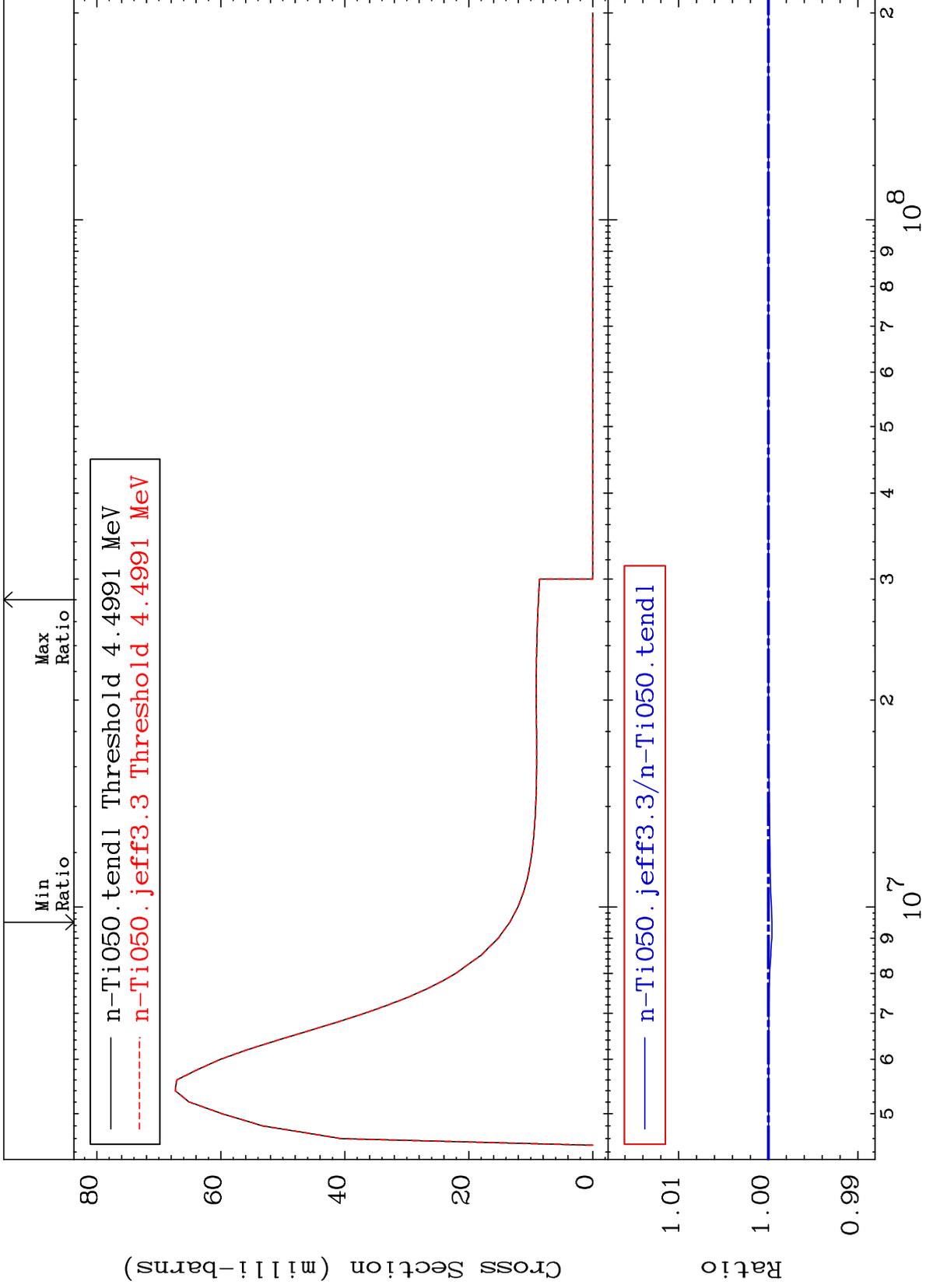
22-Ti-50
-0.061 To 0.000 %



MAT 2237

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

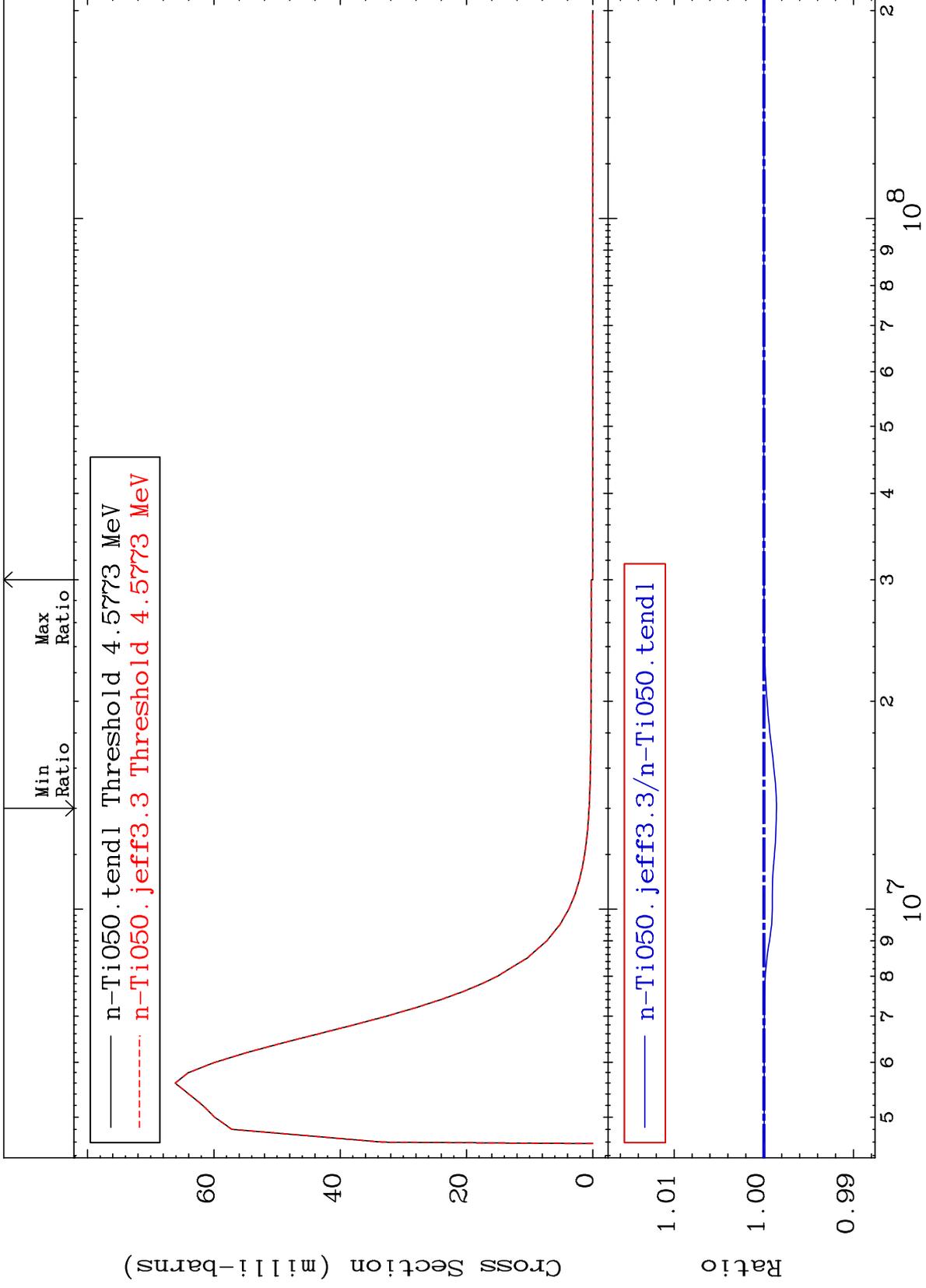
22-Ti-50
-0.040 To 0.000 %



MAT 2237

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

22-Ti-50
-0.141 To 0.000 %



27

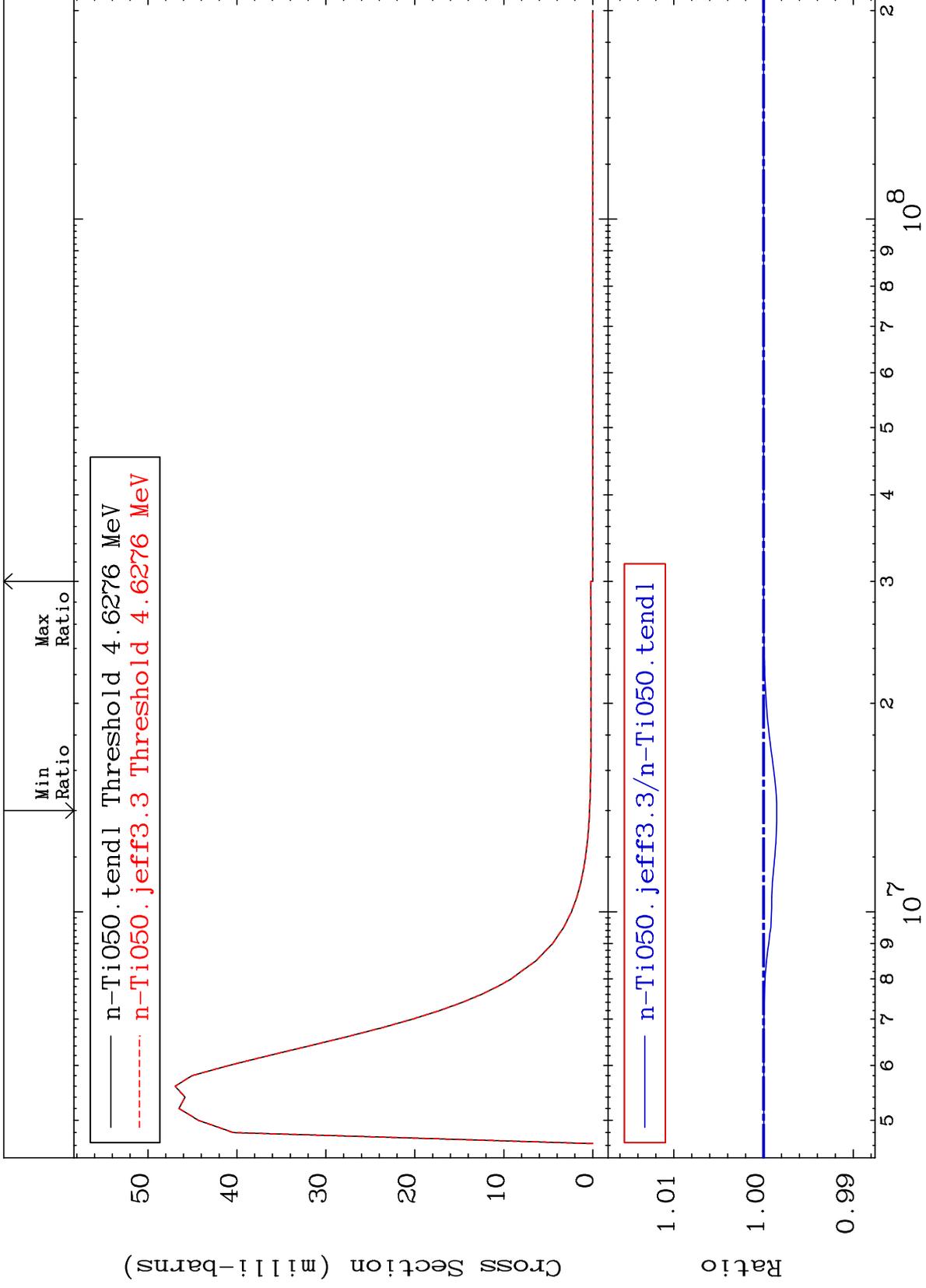
Incident Energy (eV)

22-Ti-50

MAT 2237

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

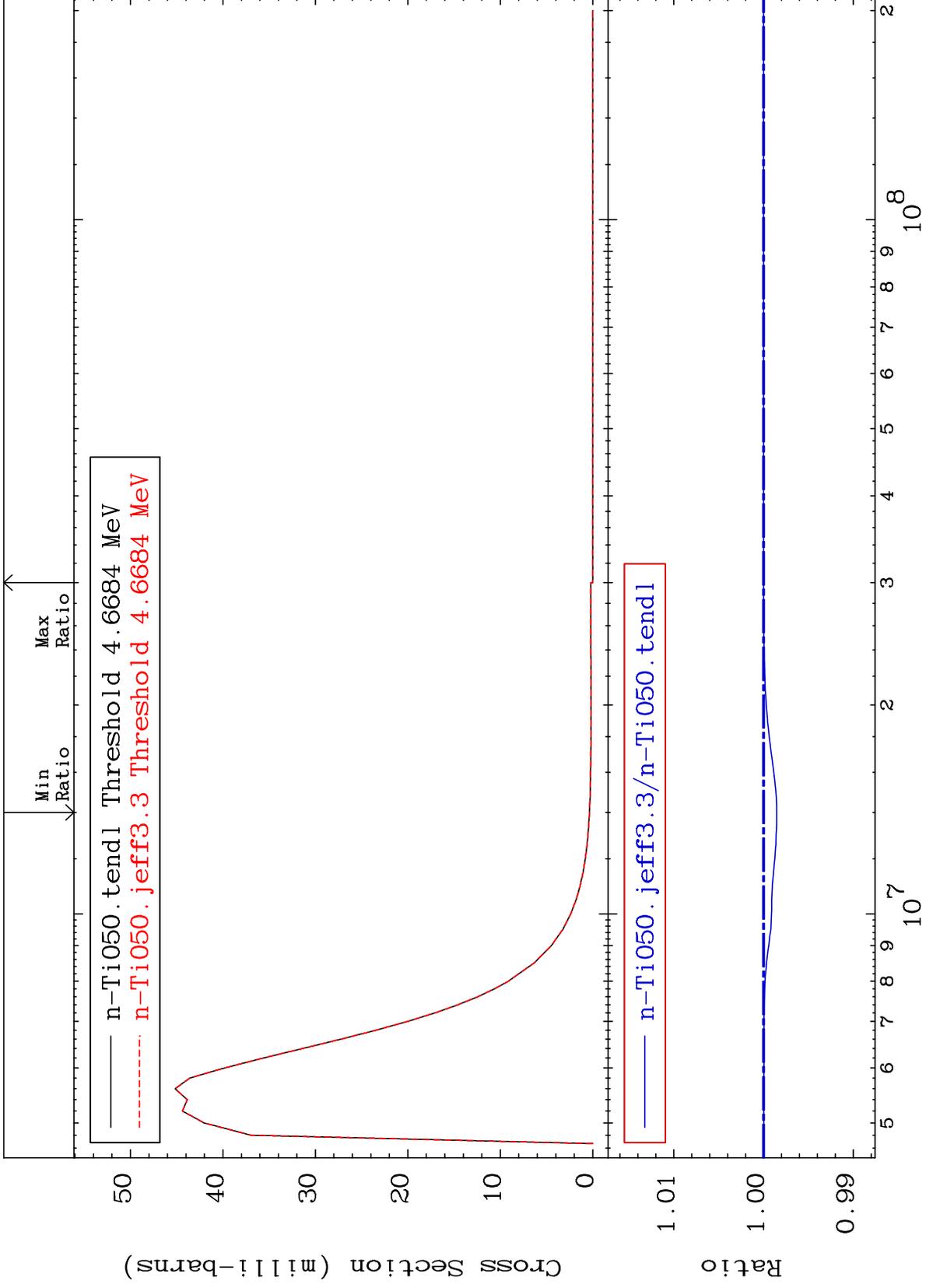
22-Ti-50
-0.148 To 0.000 %



MAT 2237

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

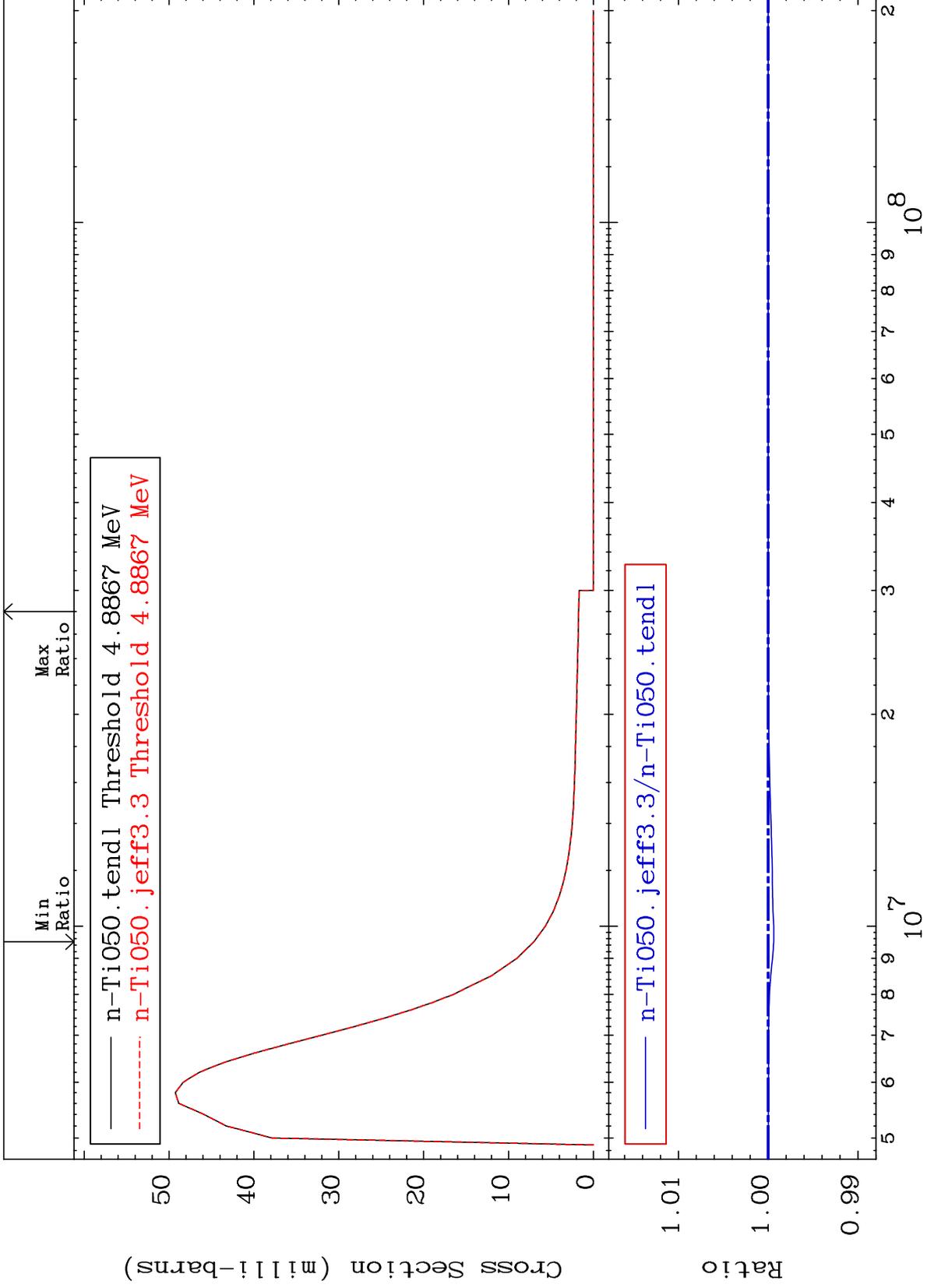
22-Ti-50
-0.147 To 0.000 %



MAT 2237

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

22-Ti-50
-0.063 To 0.000 %



30

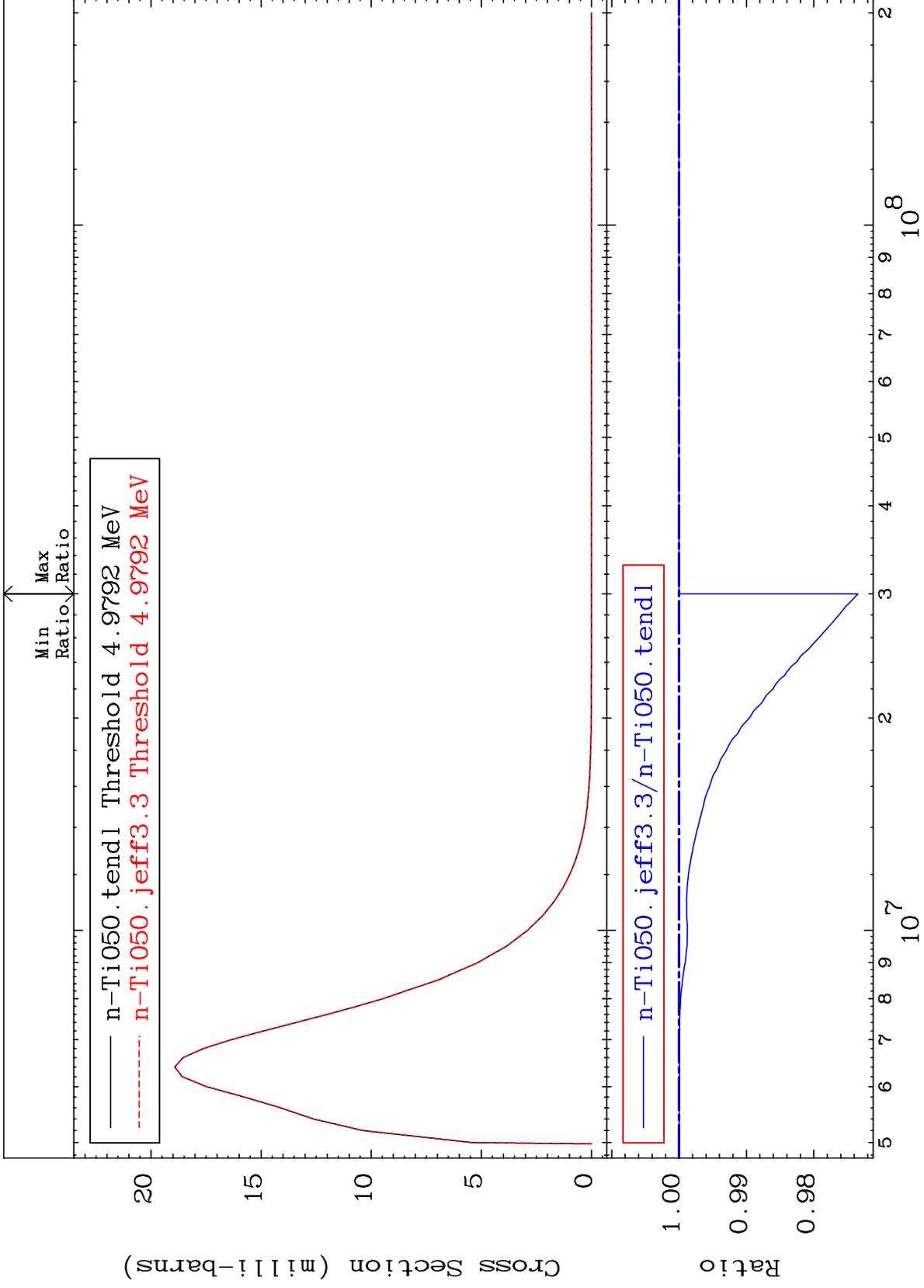
Incident Energy (eV)

22-Ti-50

MAT 2237

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

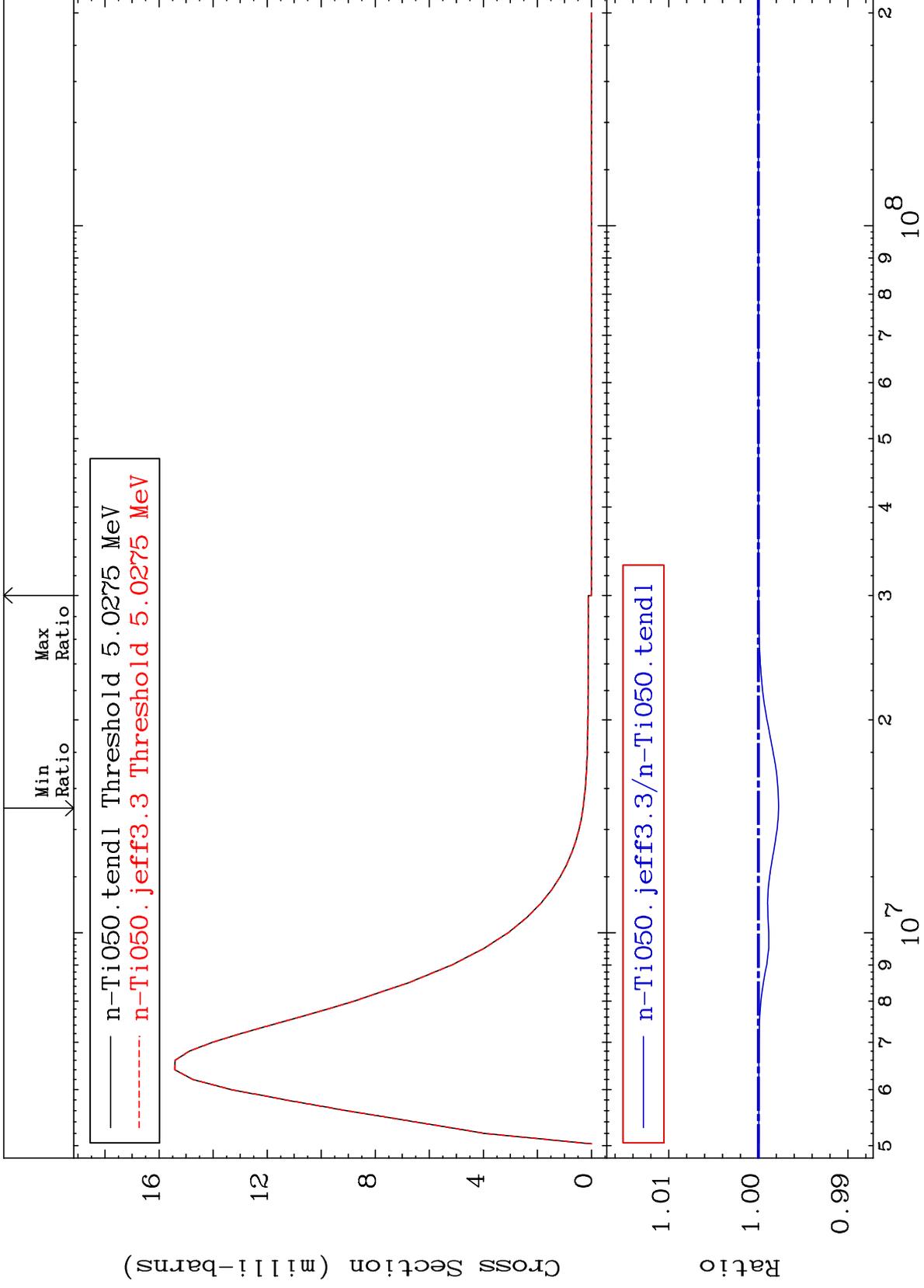
22-Ti-50
-2.655 To 0.000 %



MAT 2237

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

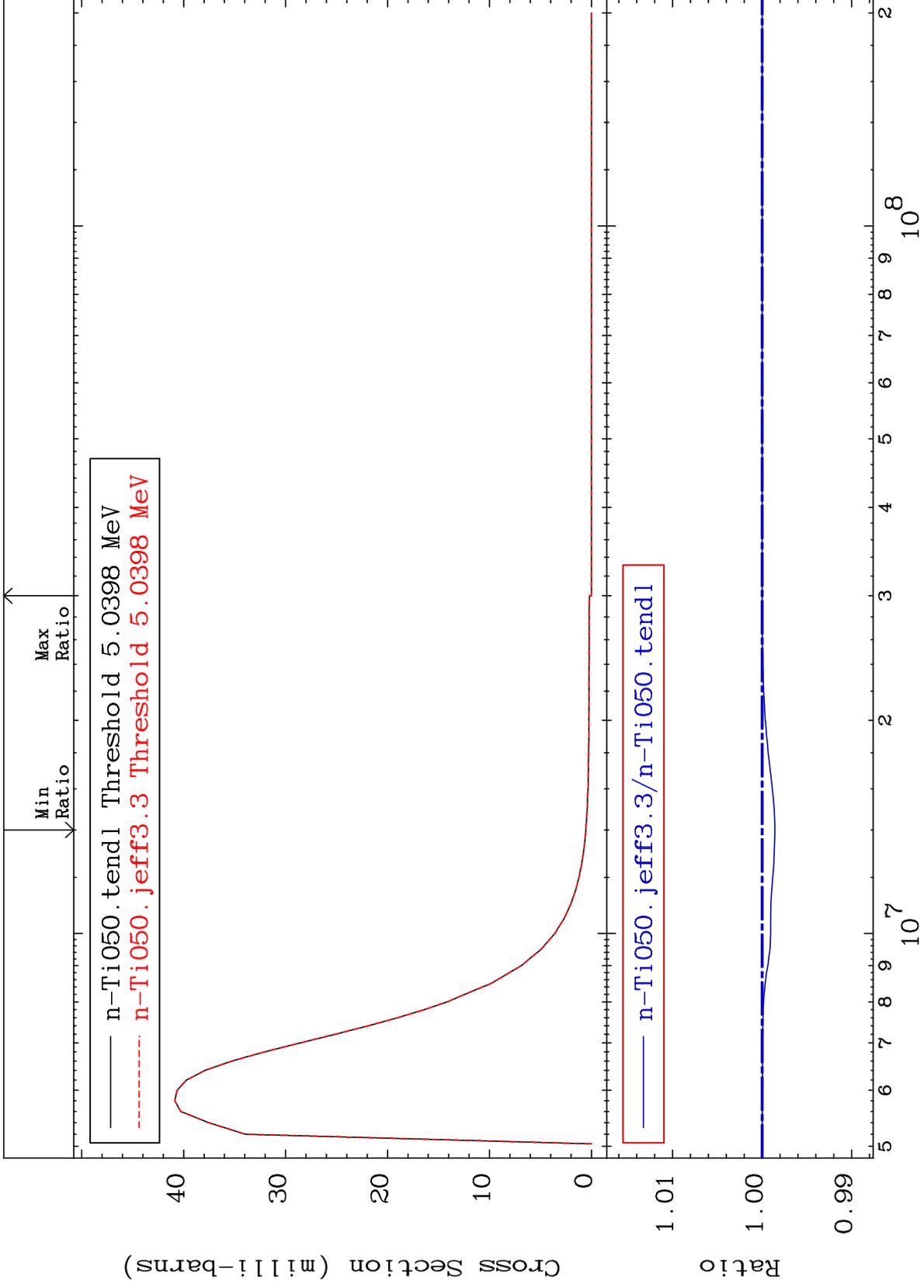
22-Ti-50
-0.226 To 0.000 %



MAT 2237

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

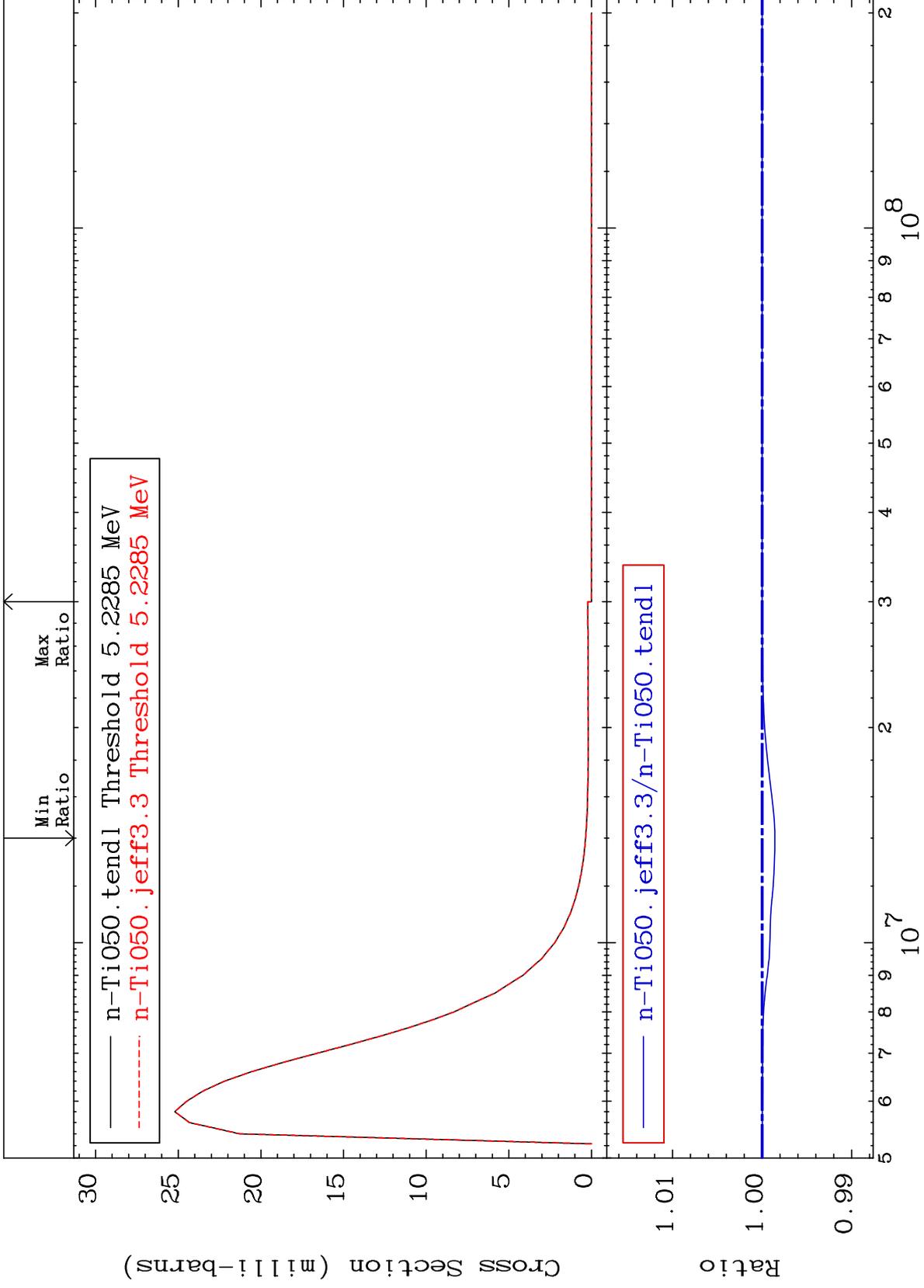
22-Ti-50
-0.143 To 0.000 %



MAT 2237

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

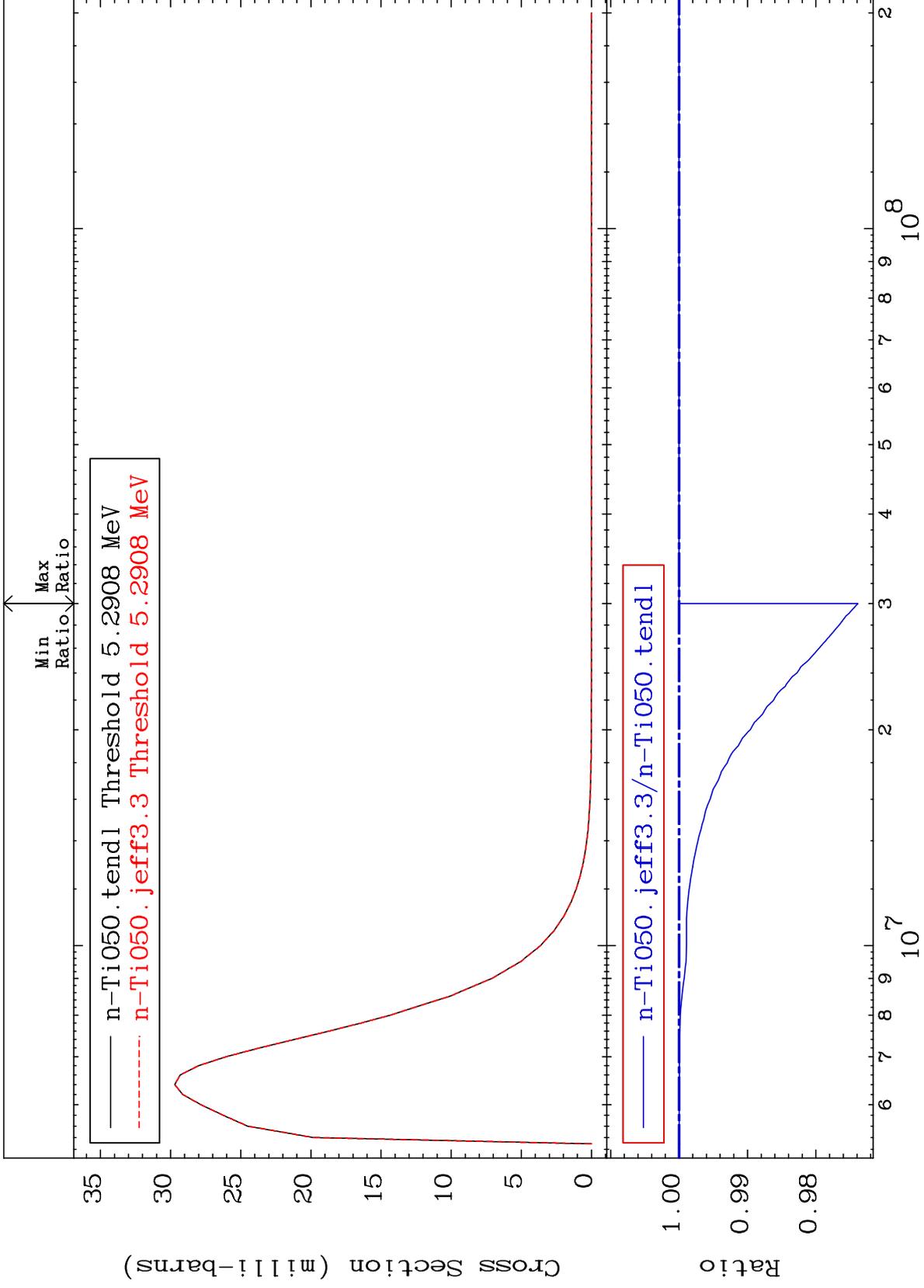
22-Ti-50
-0.143 To 0.000 %



MAT 2237

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

22-Ti-50
-2.613 To 0.000 %



35

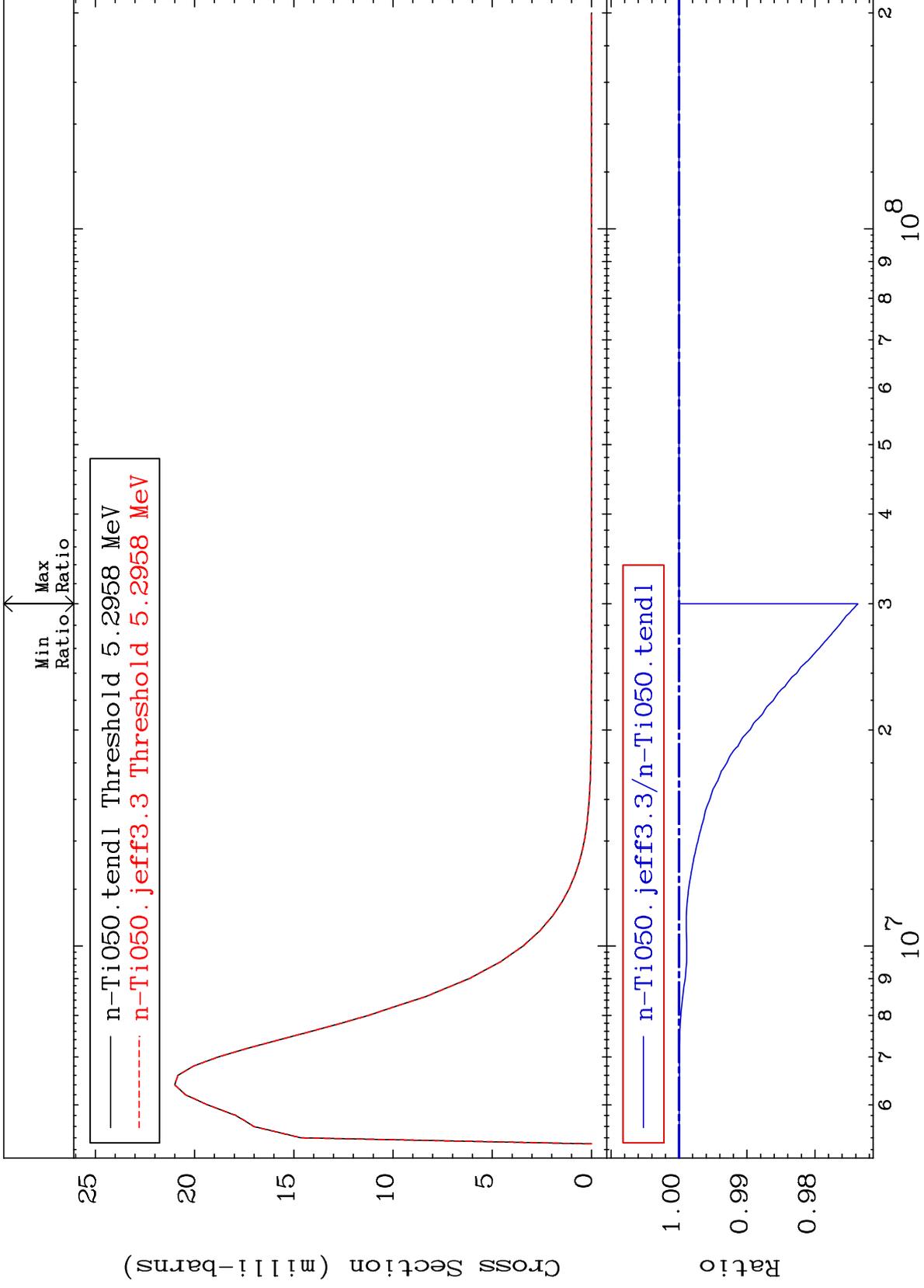
Incident Energy (eV)

22-Ti-50

MAT 2237

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

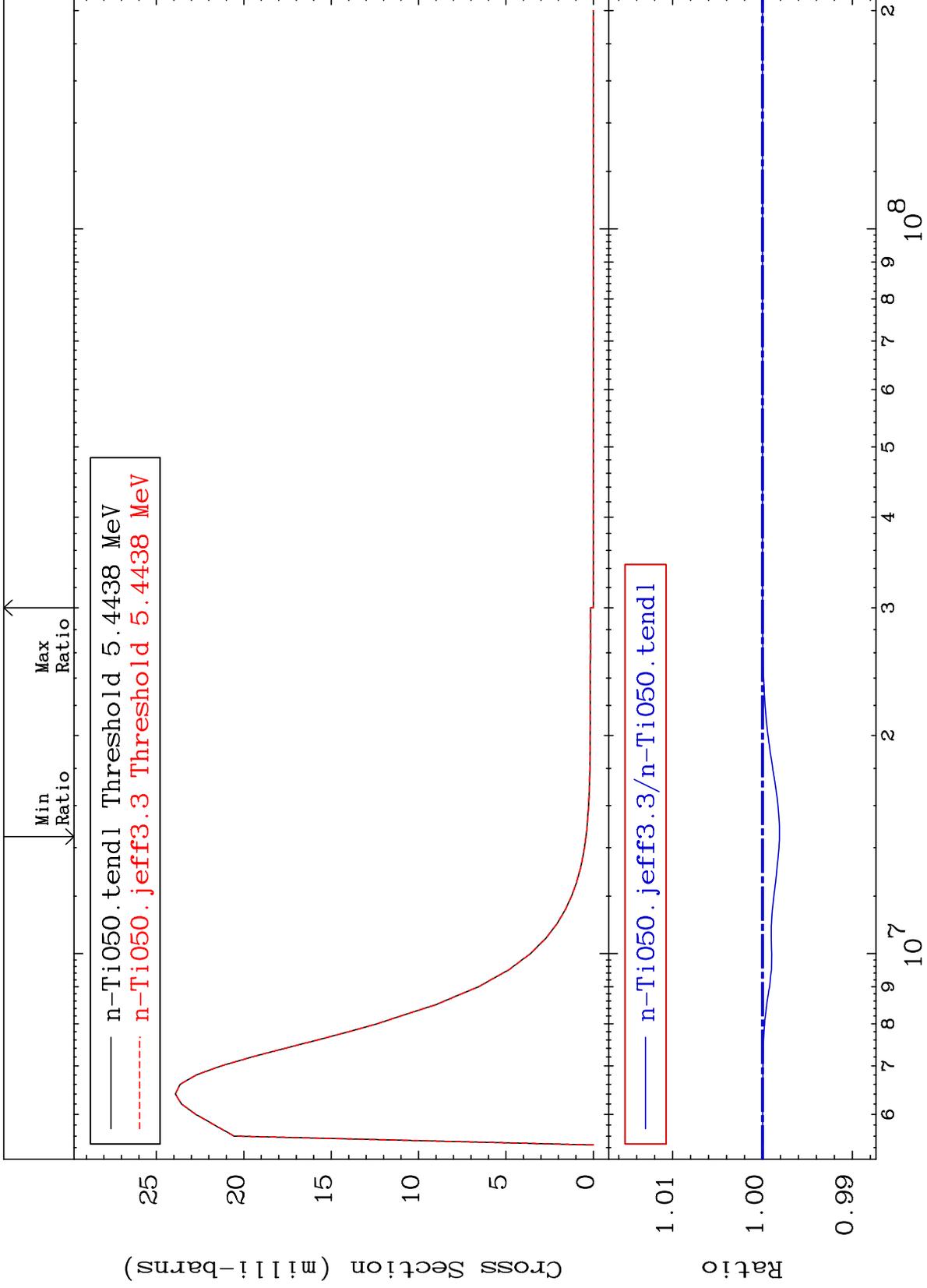
22-Ti-50
-2.632 To 0.000 %



MAT 2237

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

22-Ti-50
-0.190 To 0.000 %



37

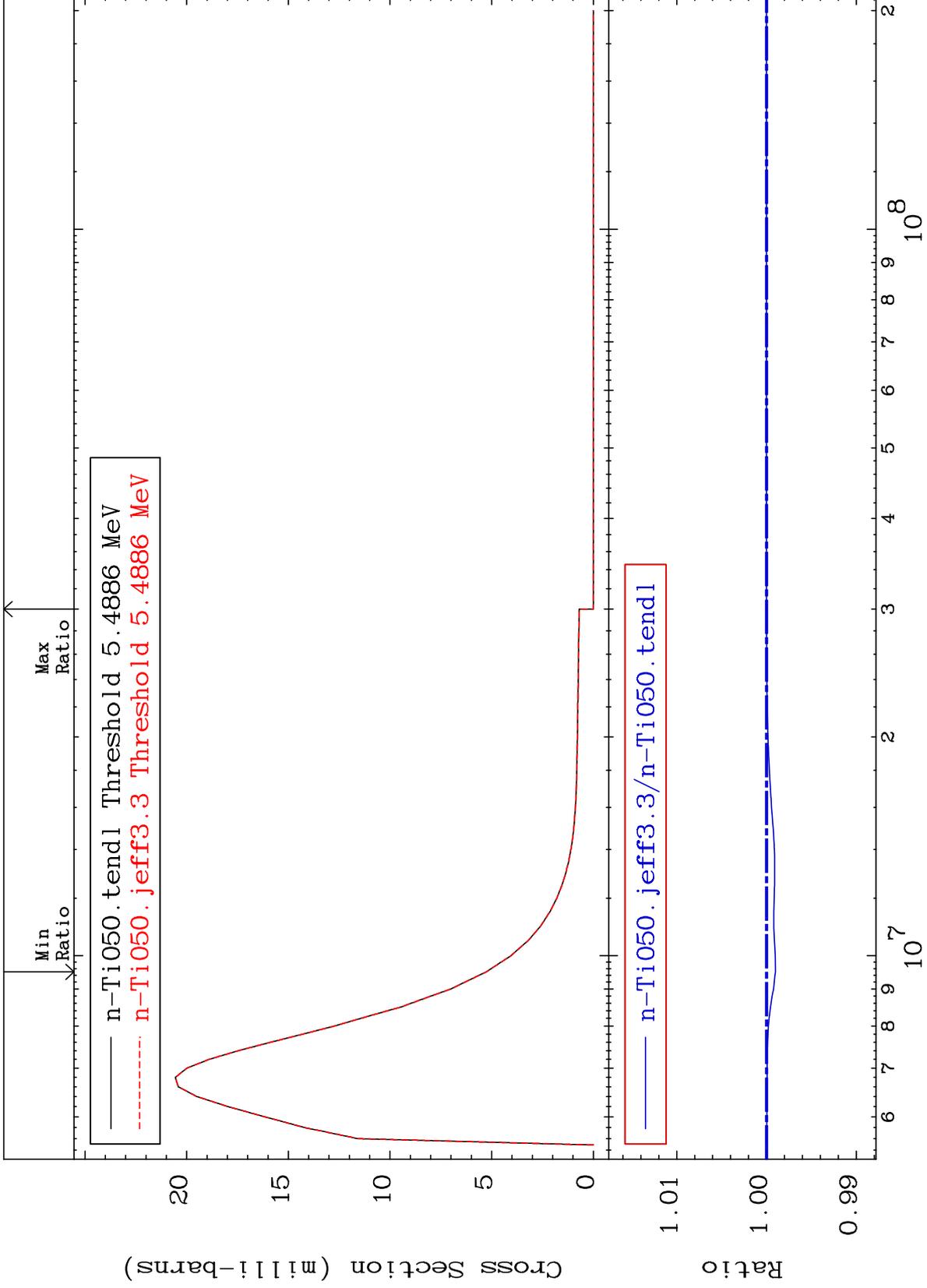
Incident Energy (eV)

22-Ti-50

MAT 2237

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

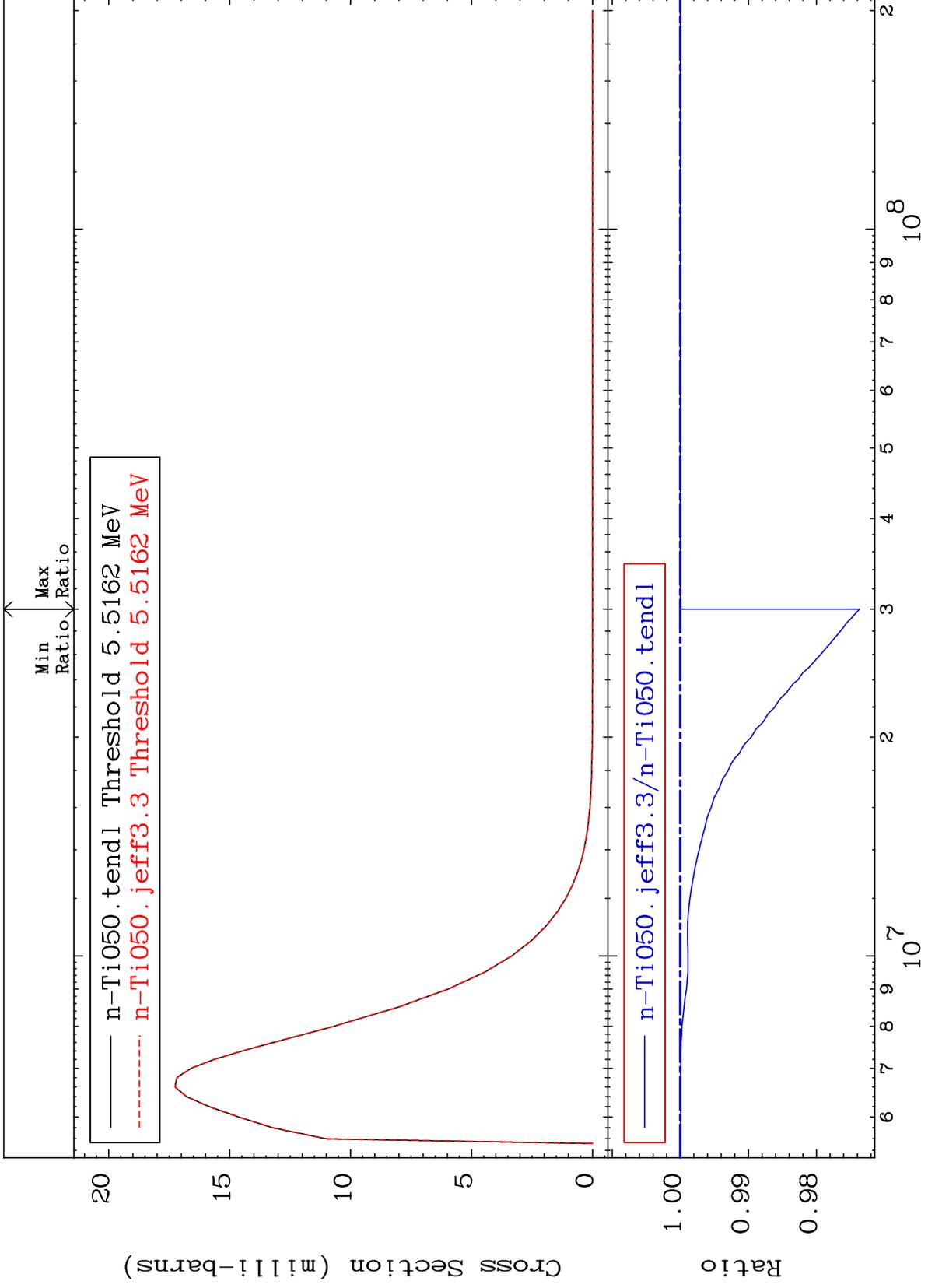
22-Ti-50
-0.099 To 0.000 %



MAT 2237

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

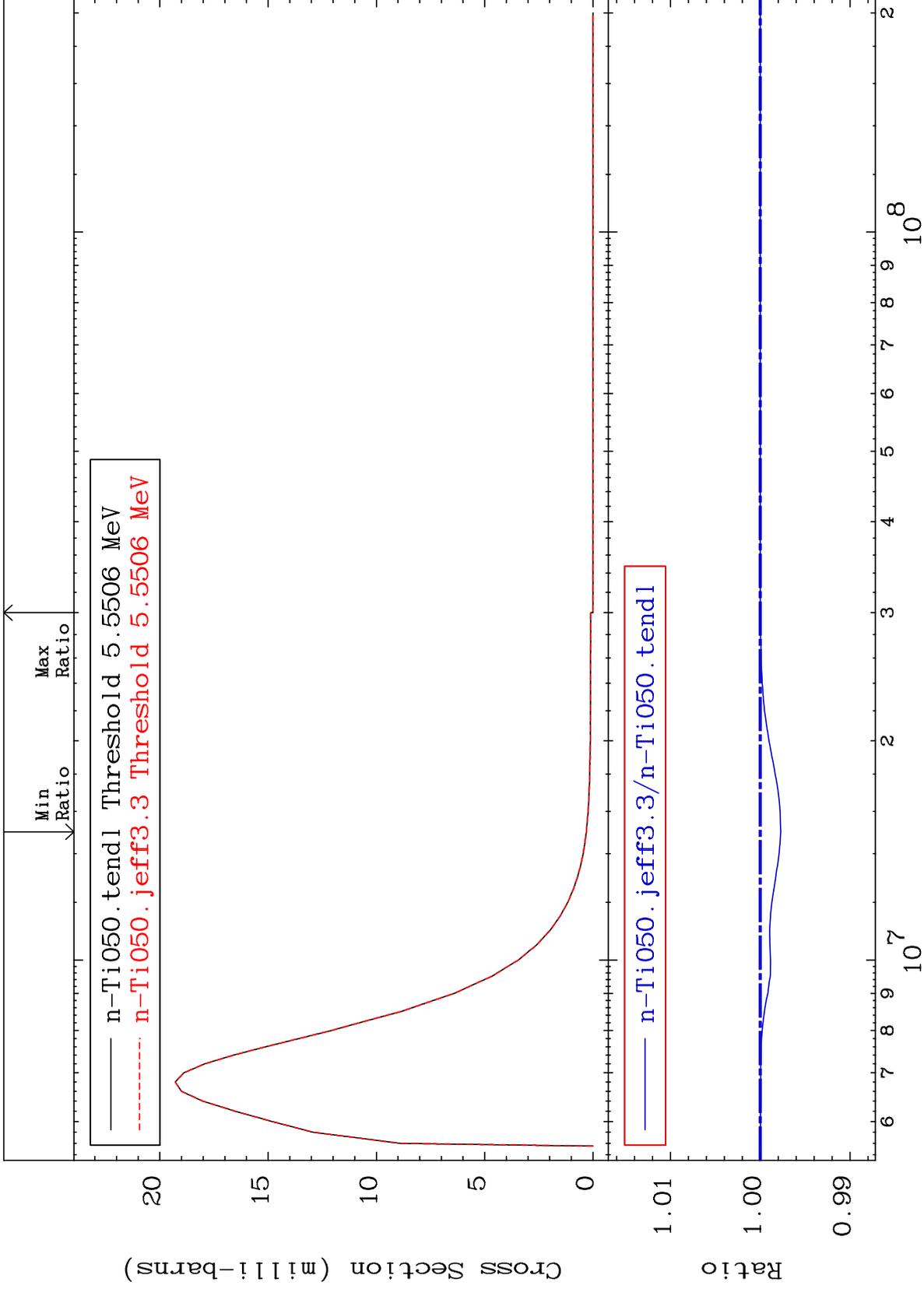
22-Ti-50
-2.632 To 0.000 %



MAT 2237

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

22-Ti-50
-0.228 To 0.000 %



40

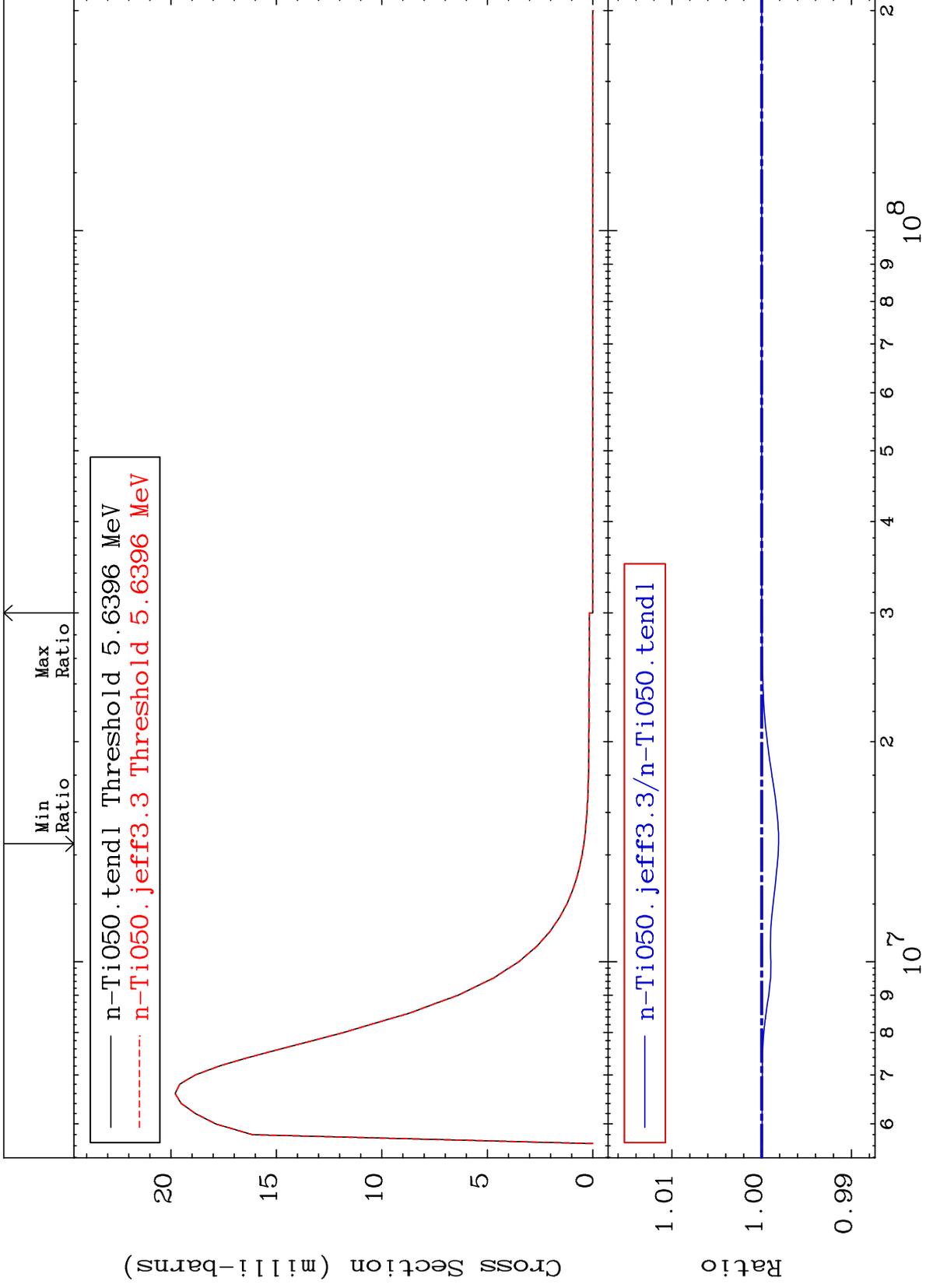
Incident Energy (eV)

22-Ti-50

MAT 2237

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

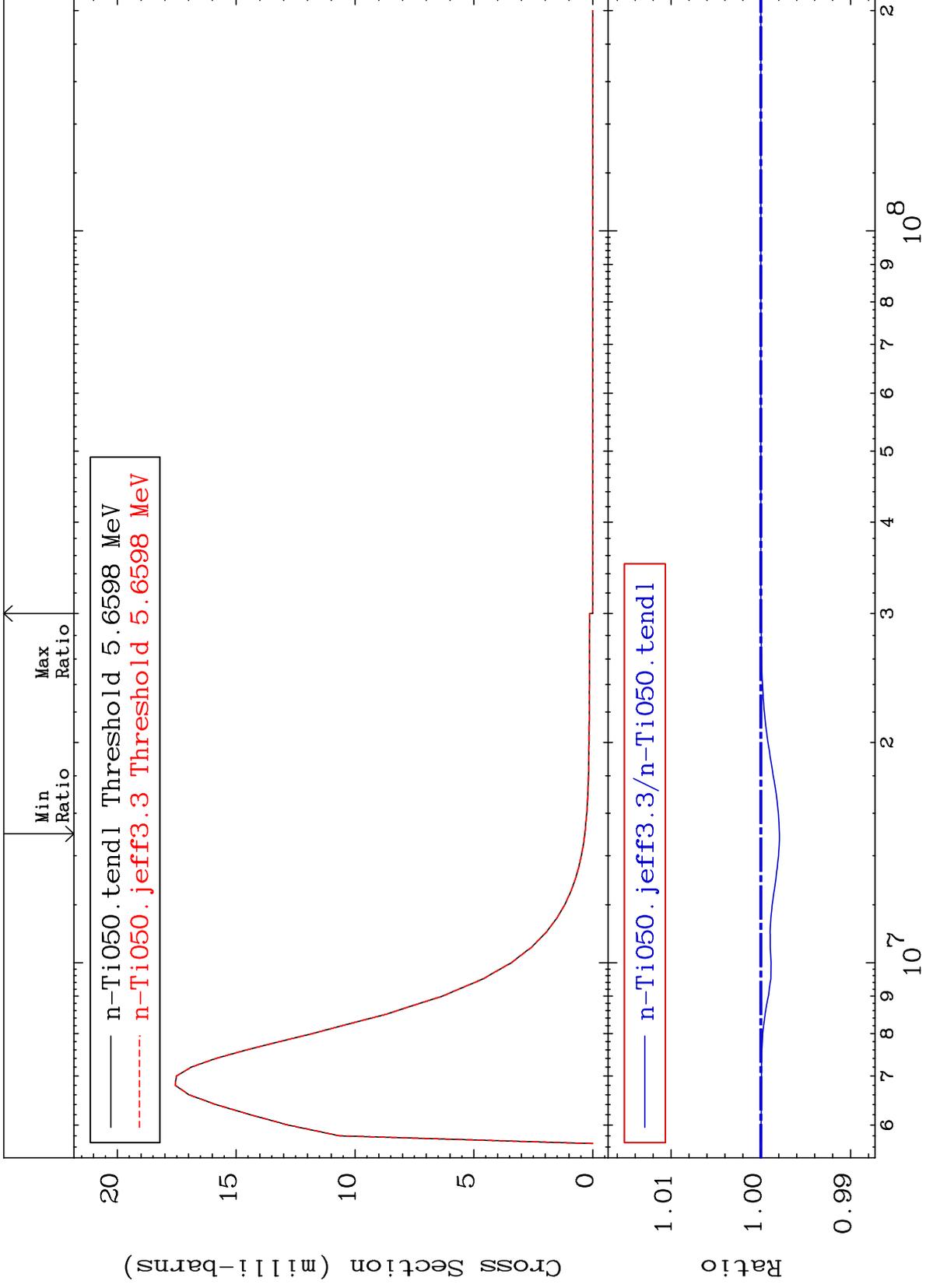
22-Ti-50
-0.188 To 0.000 %



MAT 2237

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

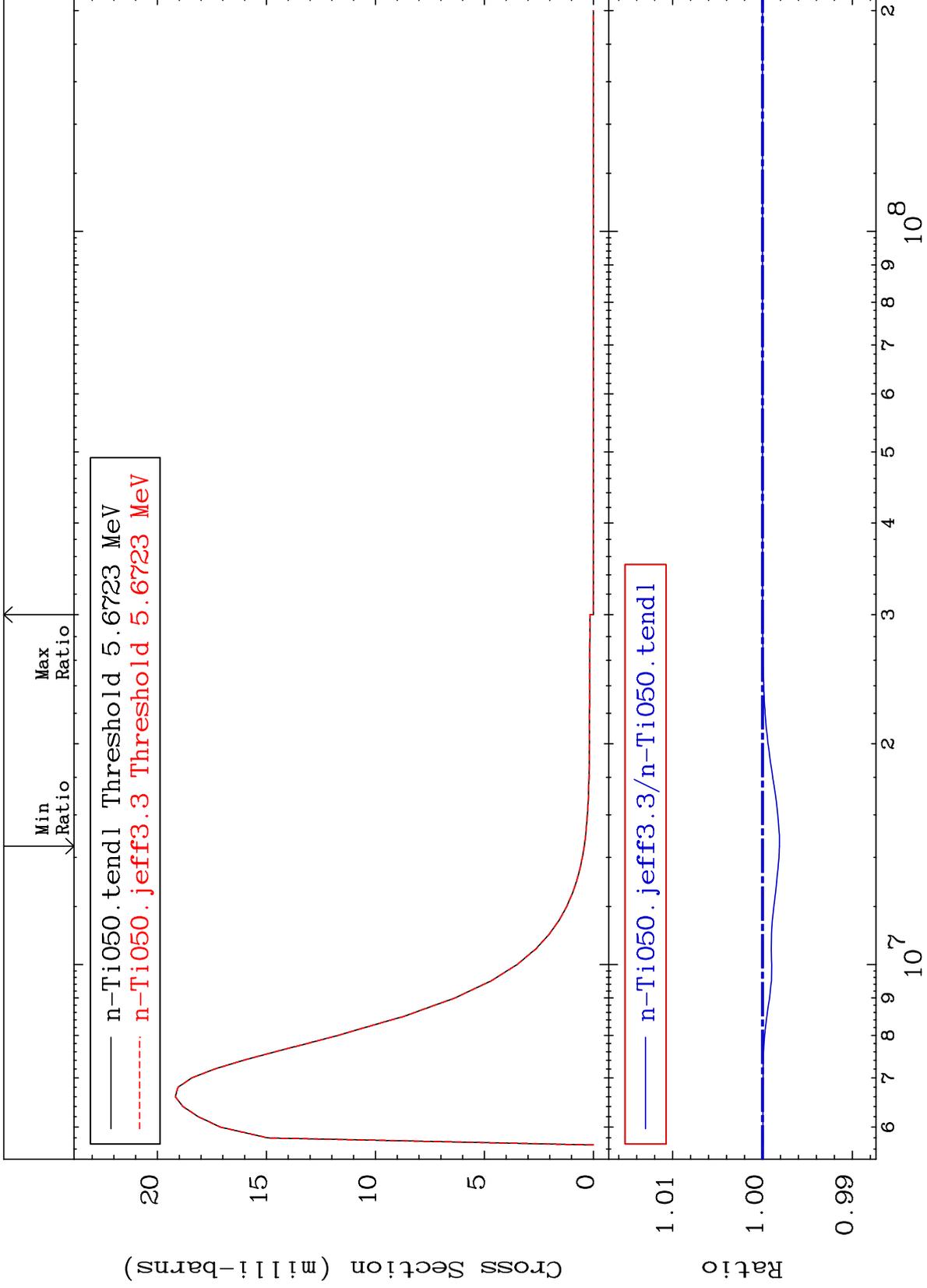
22-Ti-50
-0.207 To 0.000 %



MAT 2237

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

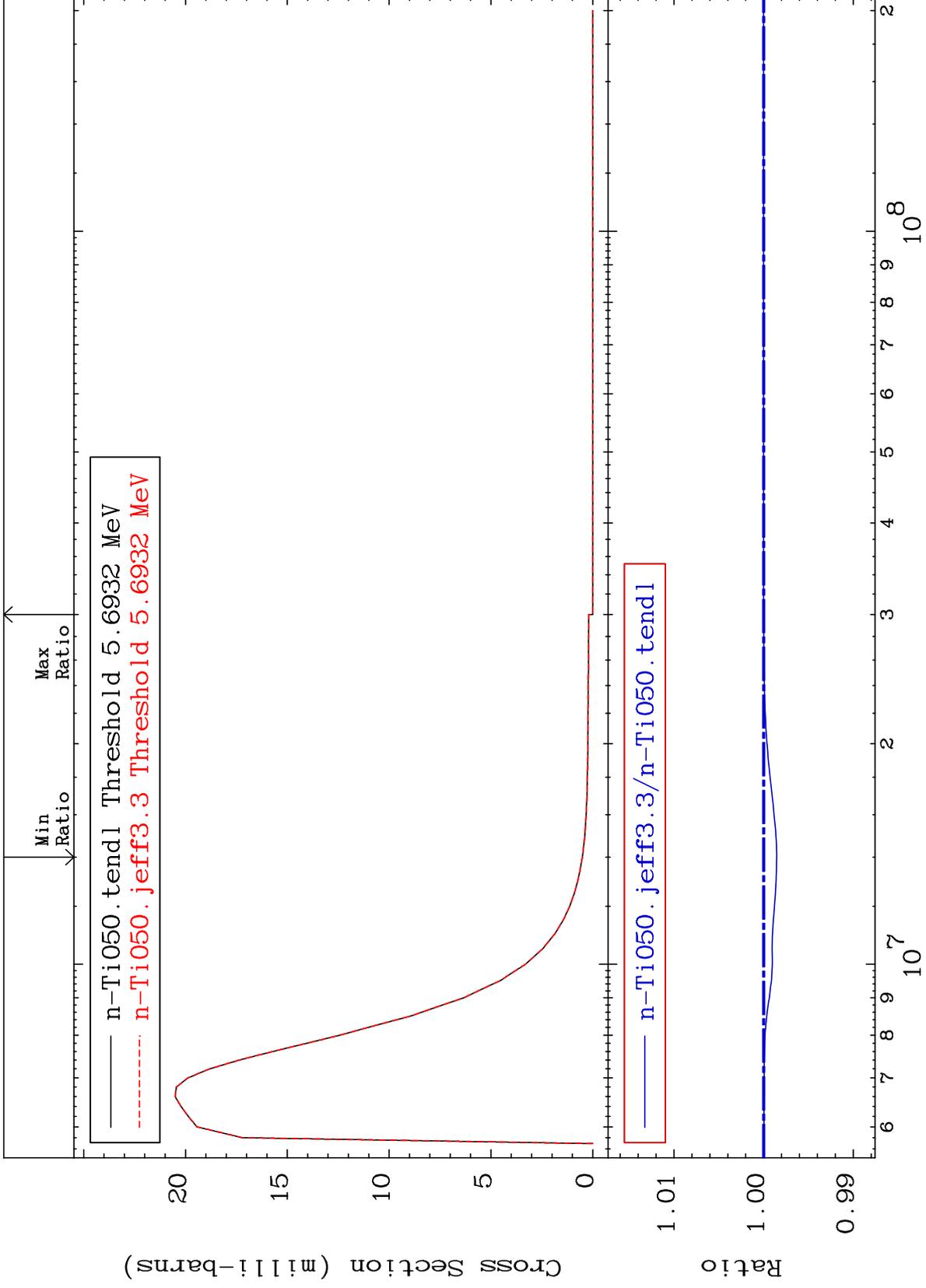
22-Ti-50
-0.188 To 0.000 %



MAT 2237

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

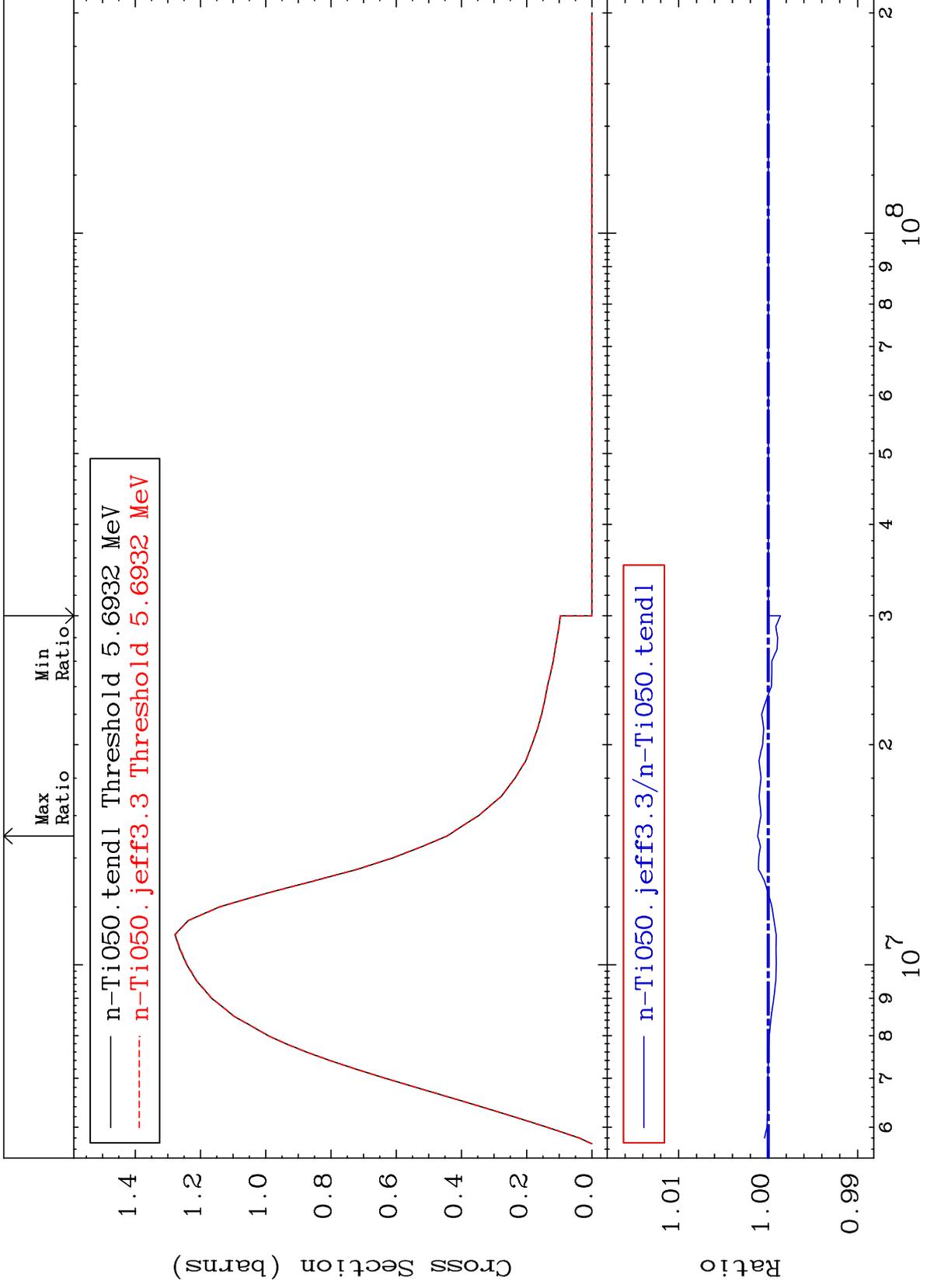
22-Ti-50
-0.145 To 0.000 %



MAT 2237

(n, n') Continuum
Cross Section

22-Ti-50
-0.136 To 0.117 %



45

Incident Energy (eV)

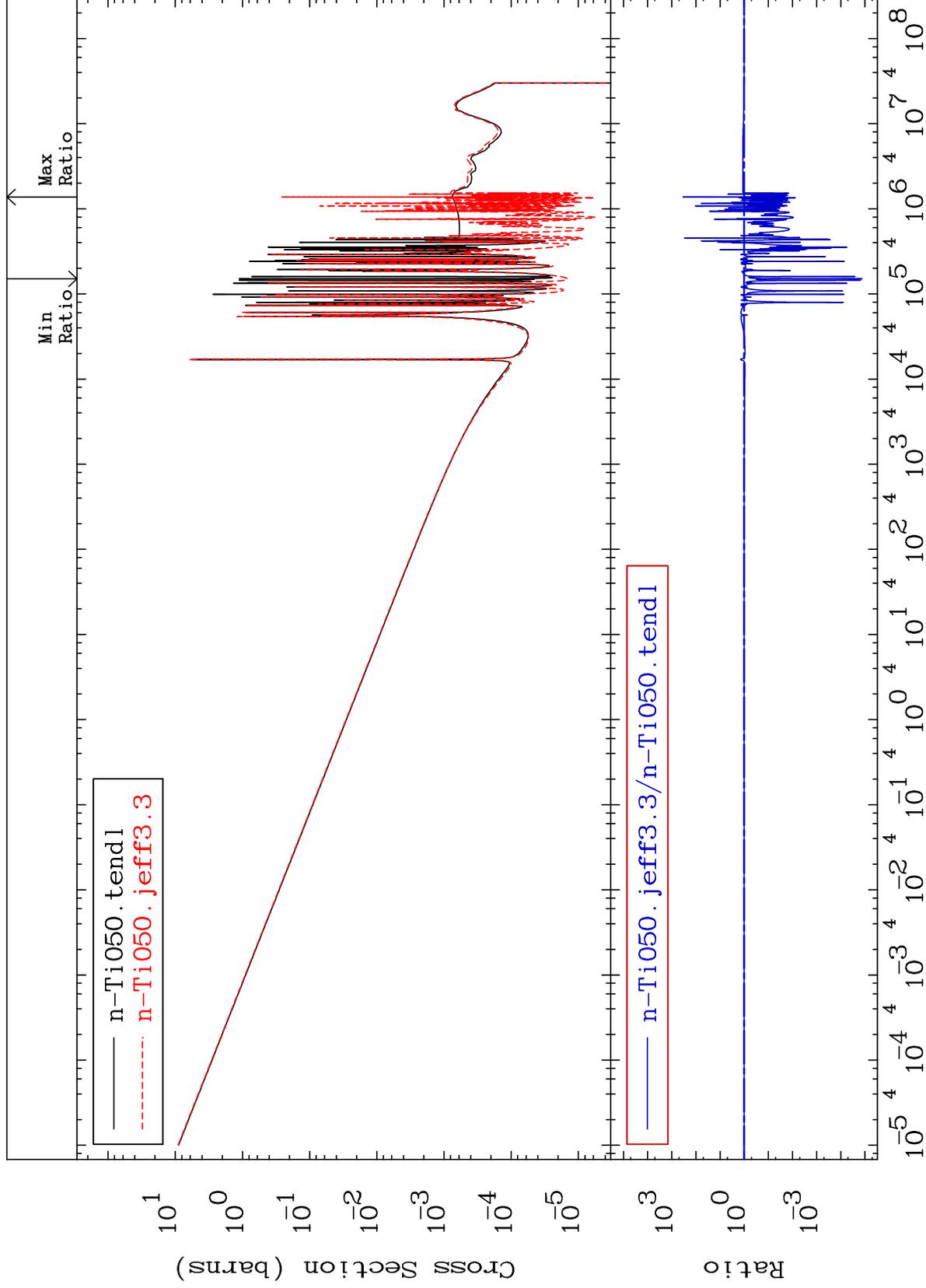
22-Ti-50

MAT 2237

22-Ti-50

(n, γ)
Cross Section

-100.0 To 9999. %



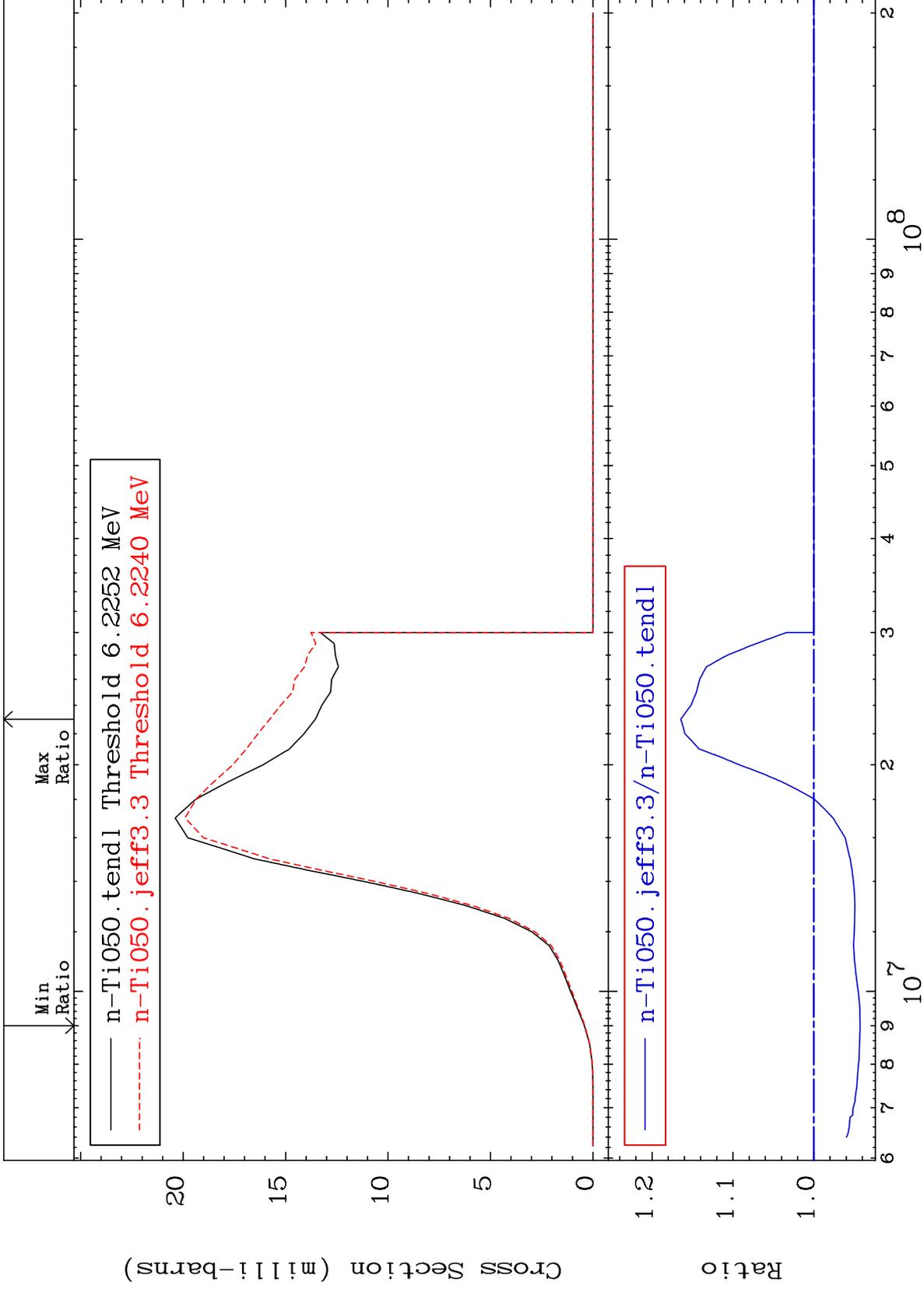
46

Incident Energy (eV)

22-Ti-50

Cross Section

-5.715 To 16.45 %



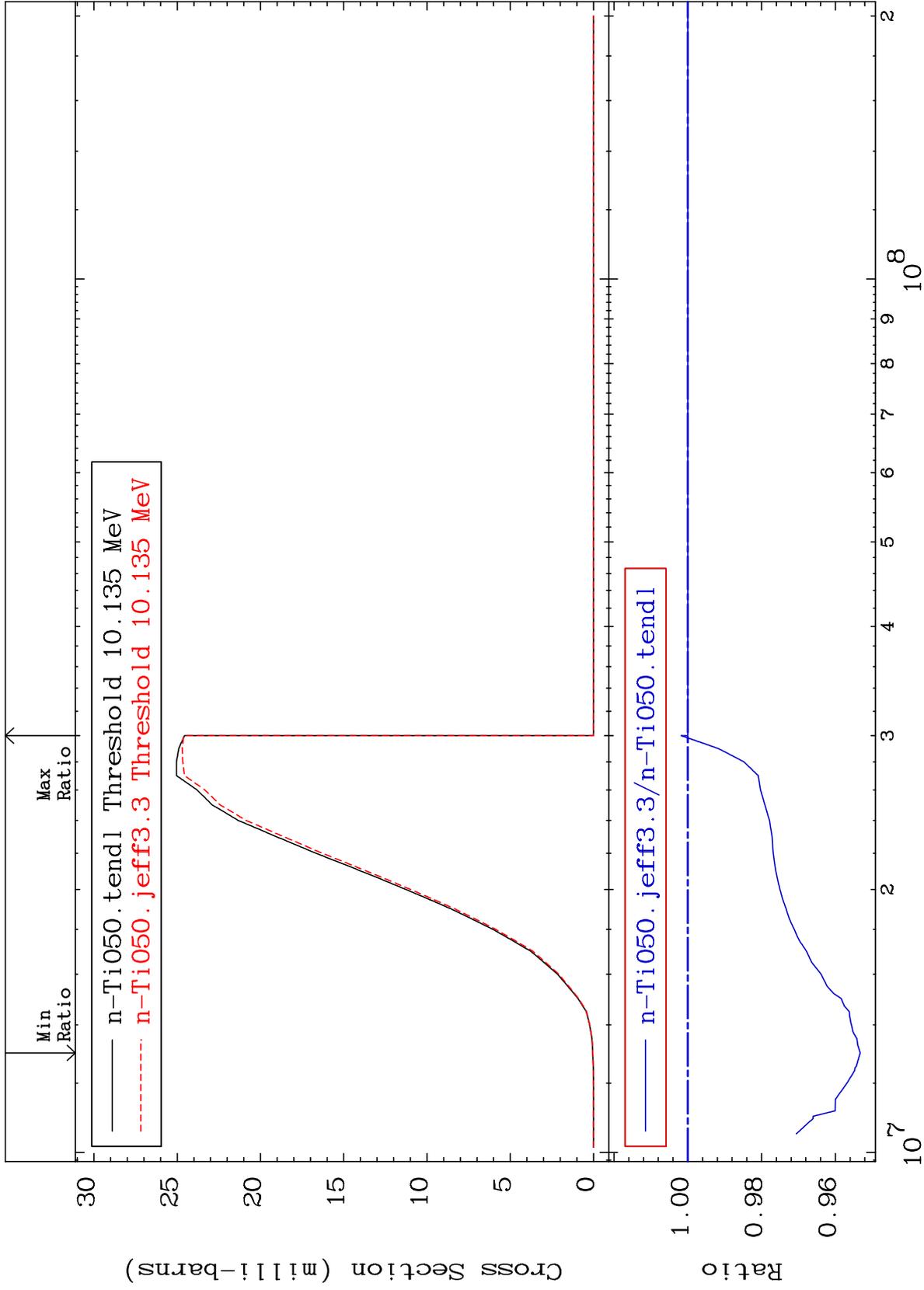
MAT 2237

(n, d)

22-Ti-50

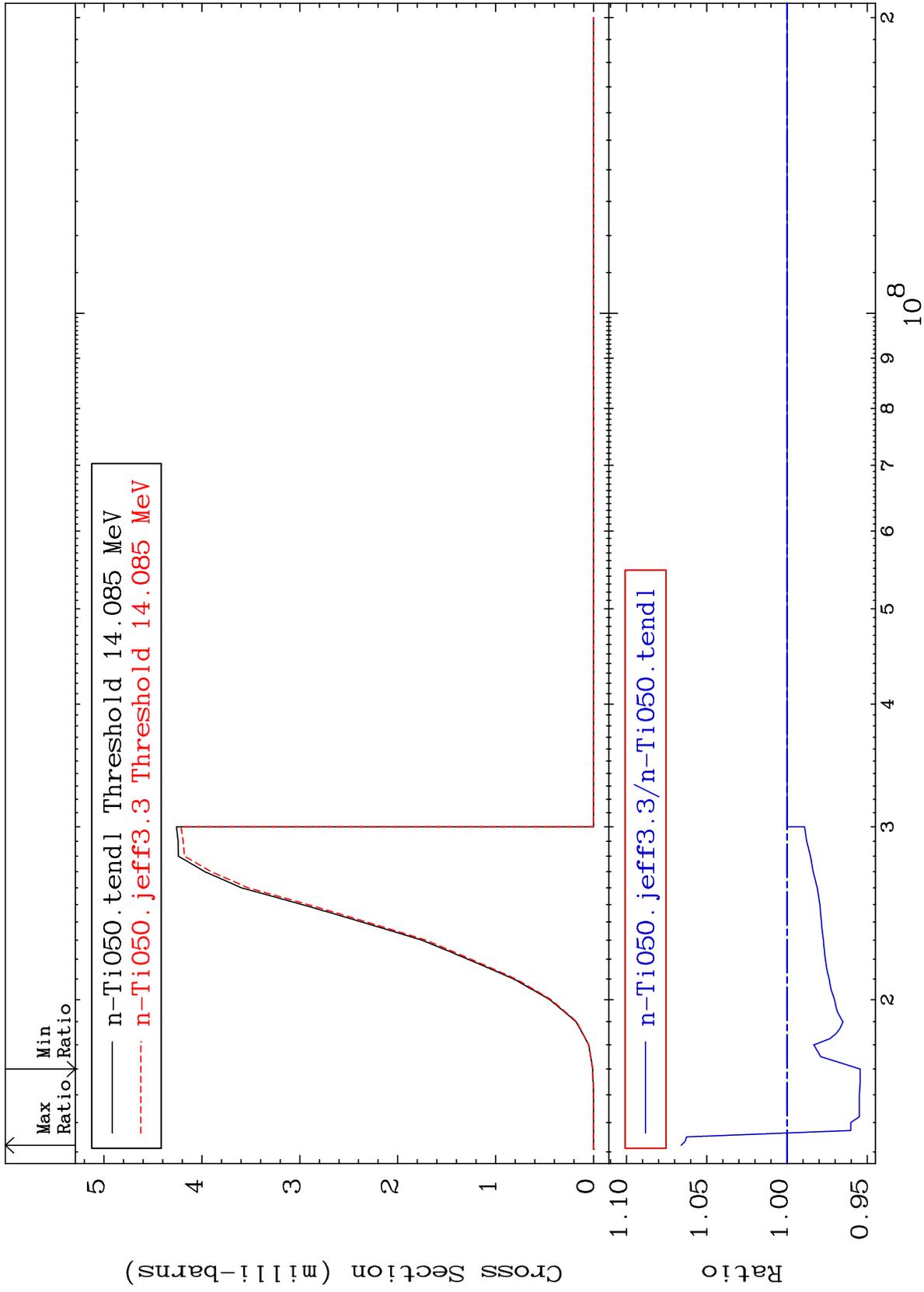
Cross Section

-4.673 To 0.179 %



22-Ti-50

48



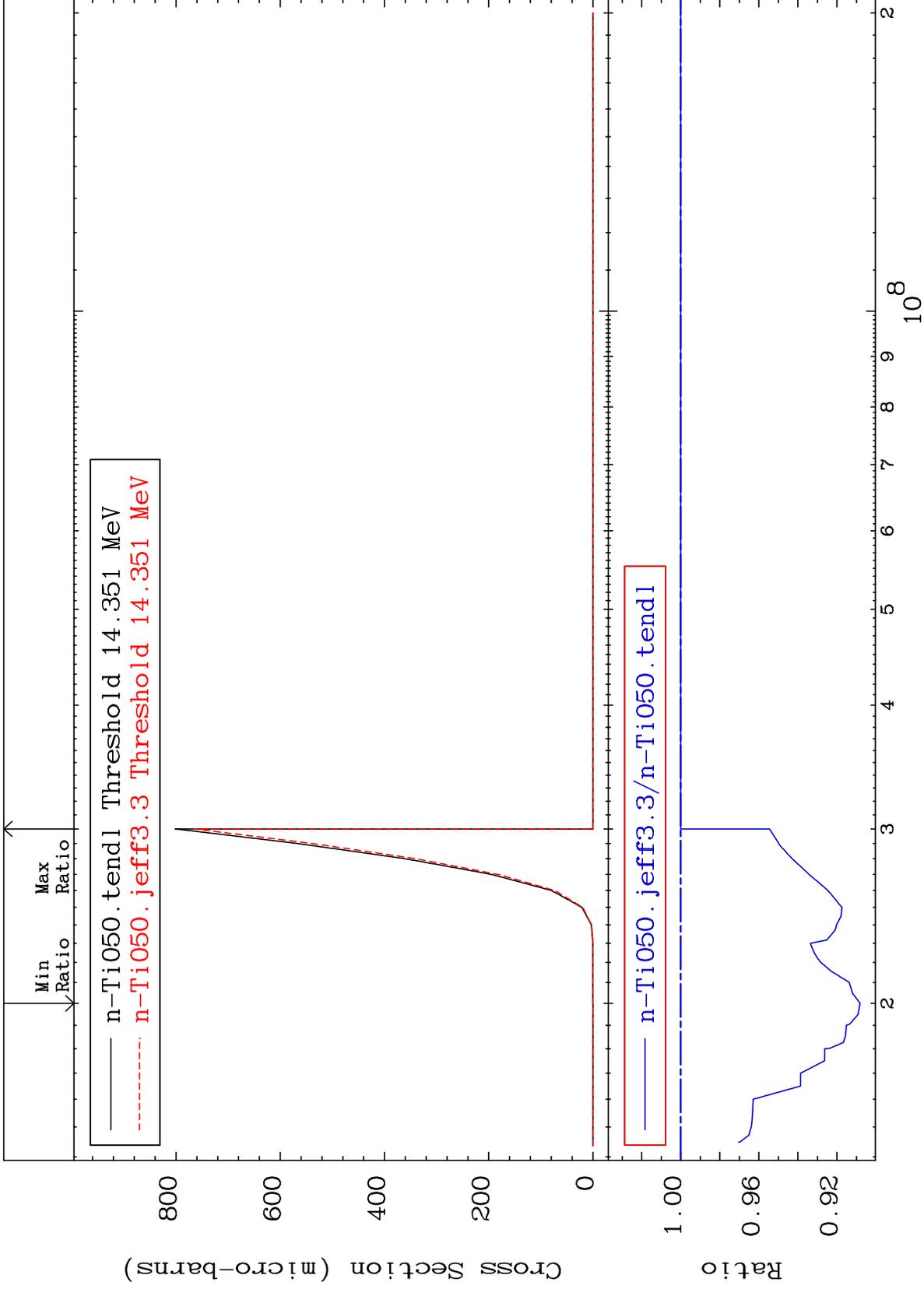
MAT 2237

(n, He-3)

22-Ti-50

Cross Section

-9.183 To 0.000 %



50

Incident Energy (eV)

22-Ti-50

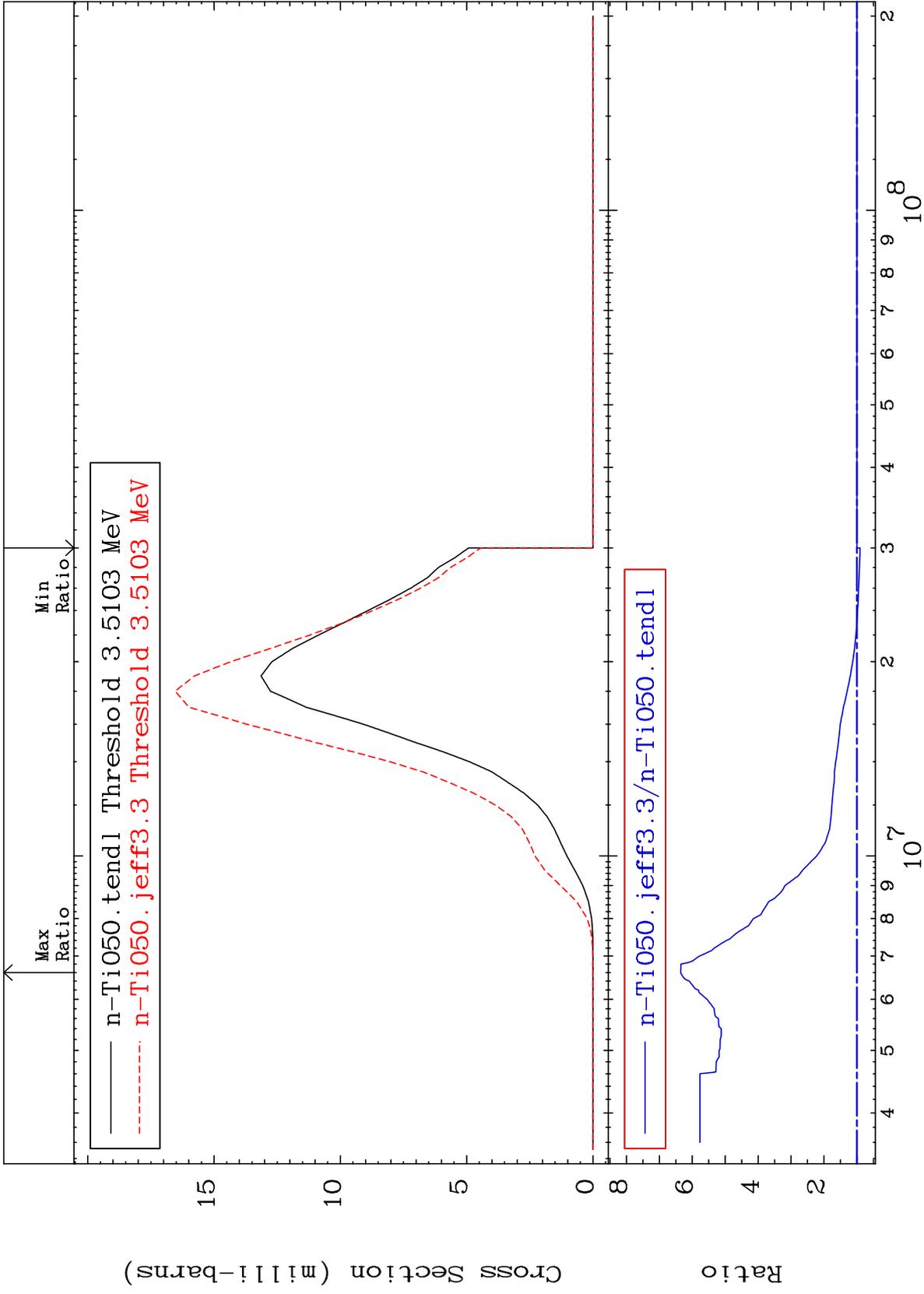
MAT 2237

(n, α)

22-Ti-50

Cross Section

-9.616 To 535.0 %



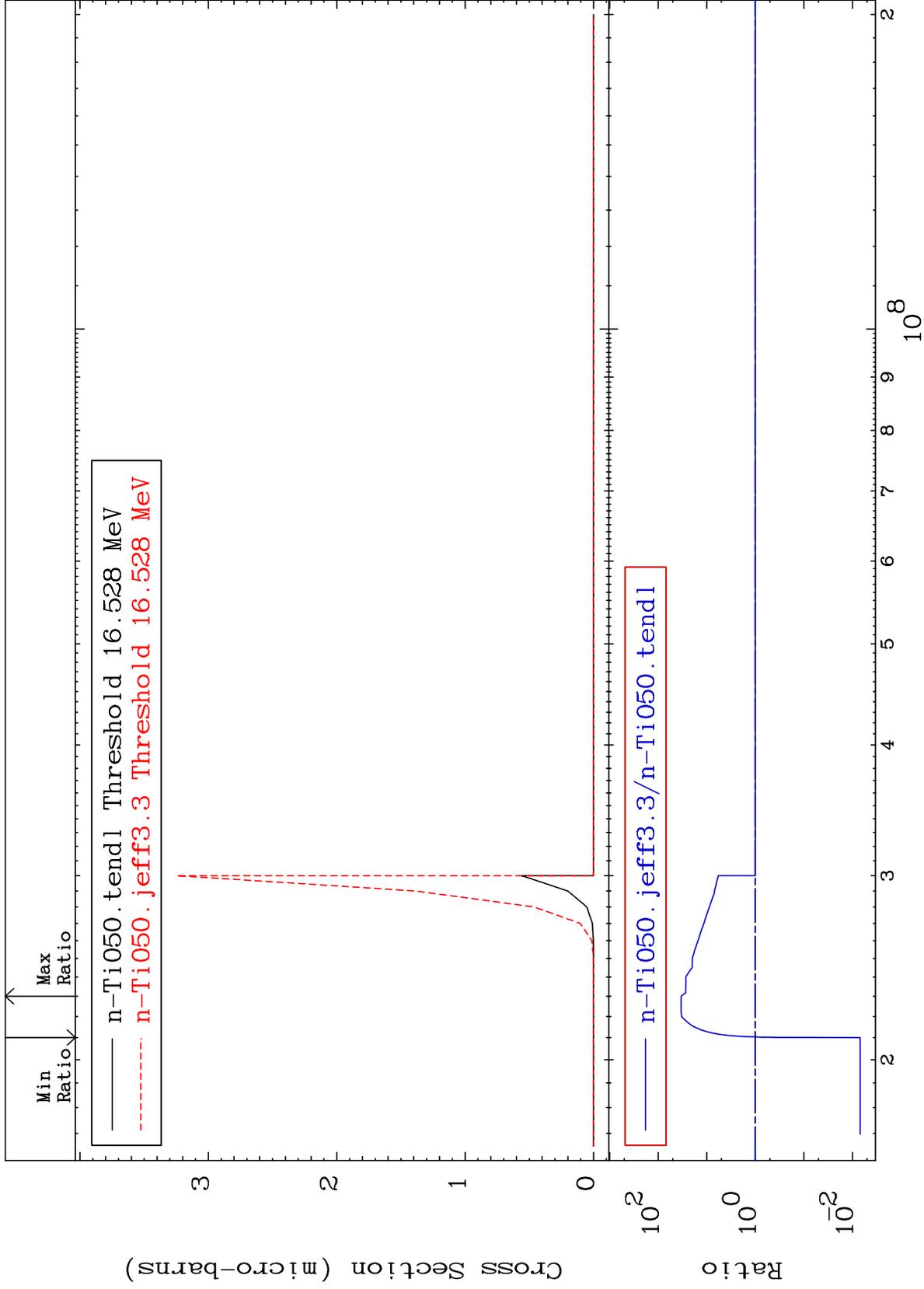
51

Incident Energy (eV)

22-Ti-50

Cross Section

-99.31 To 3273. %



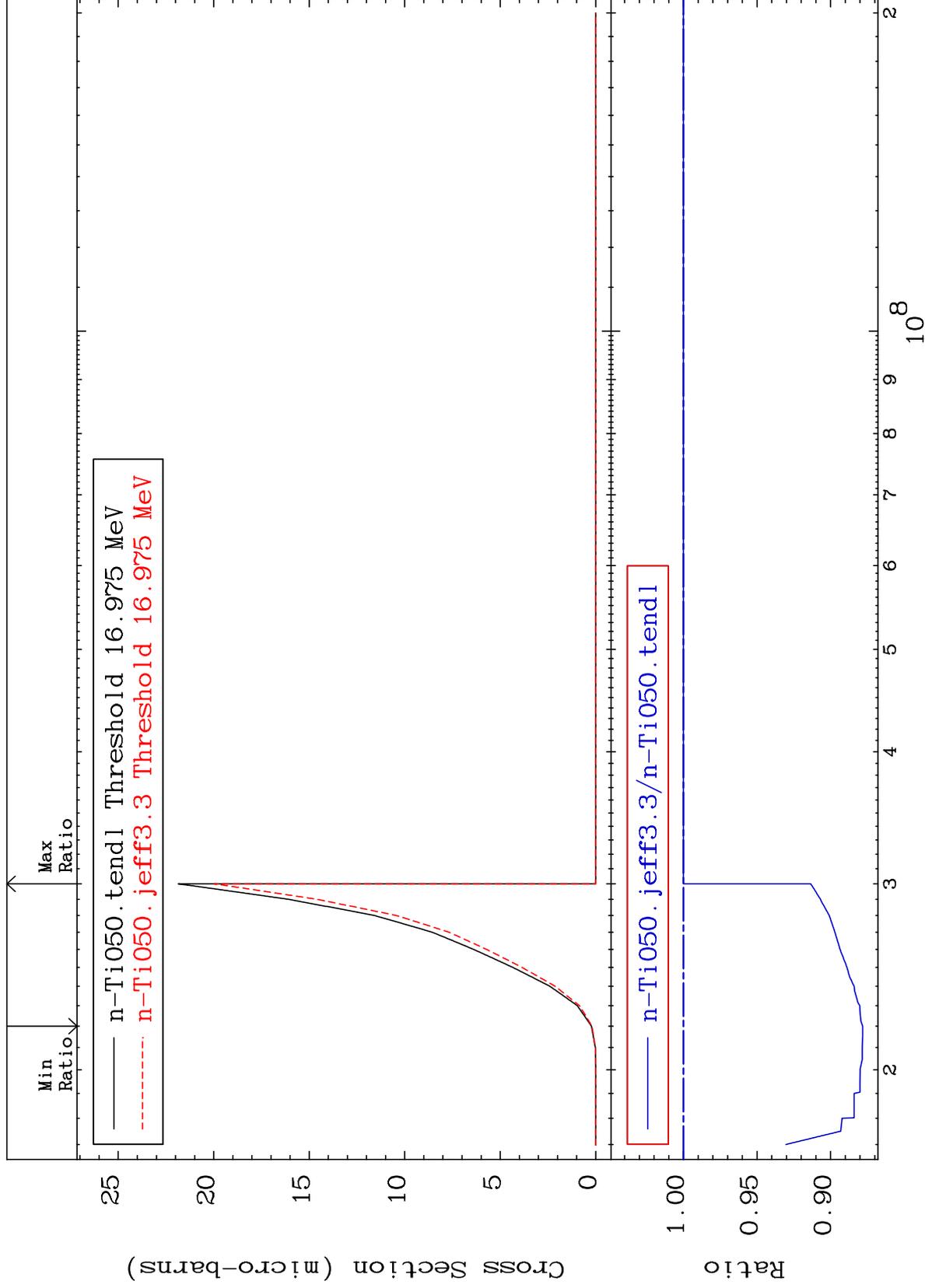
MAT 2237

(n,2p)

22-Ti-50

Cross Section

-12.18 To 0.000 %



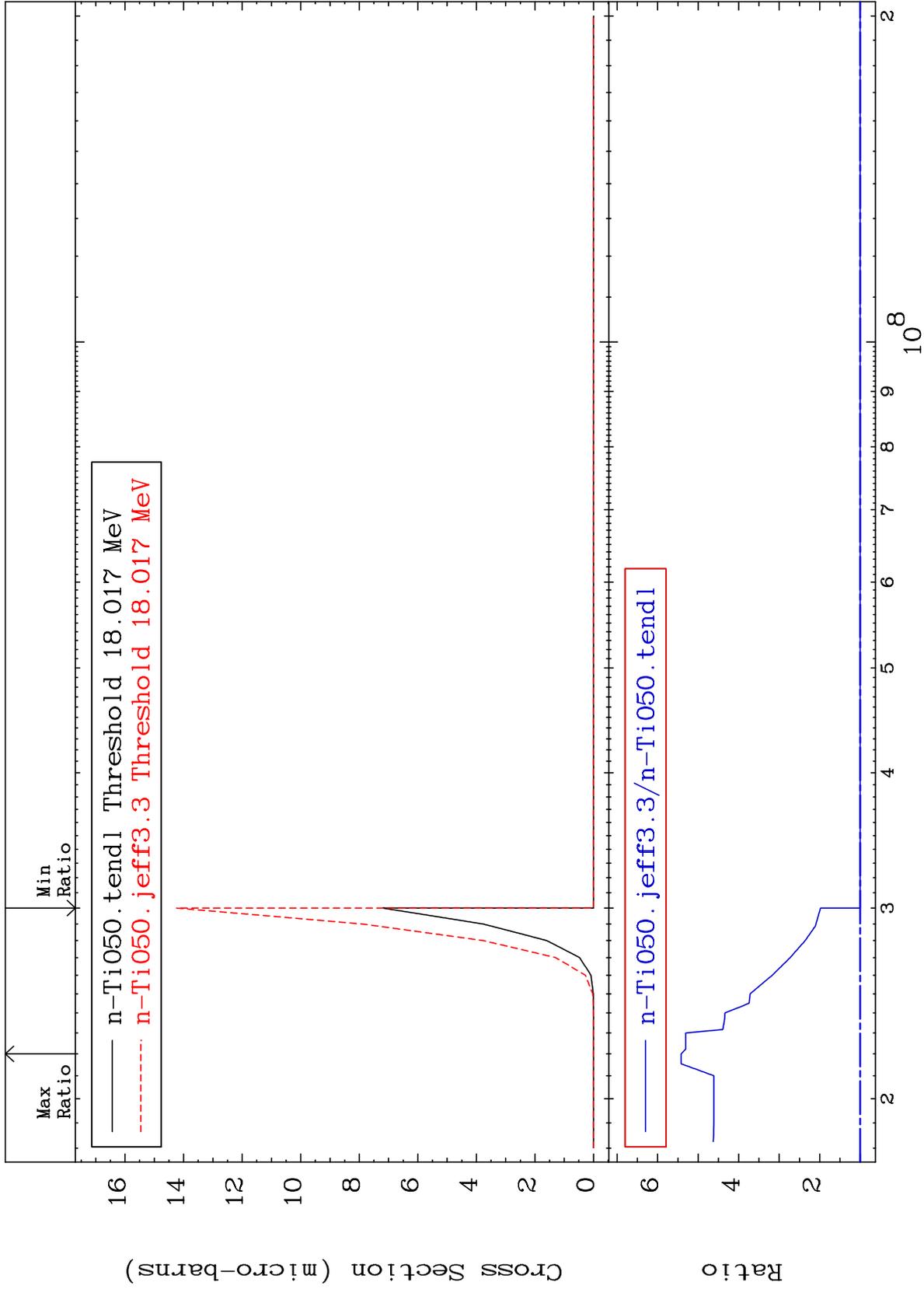
MAT 2237

(n,p) α

Cross Section

22-Ti-50

0.000 To 441.9 %



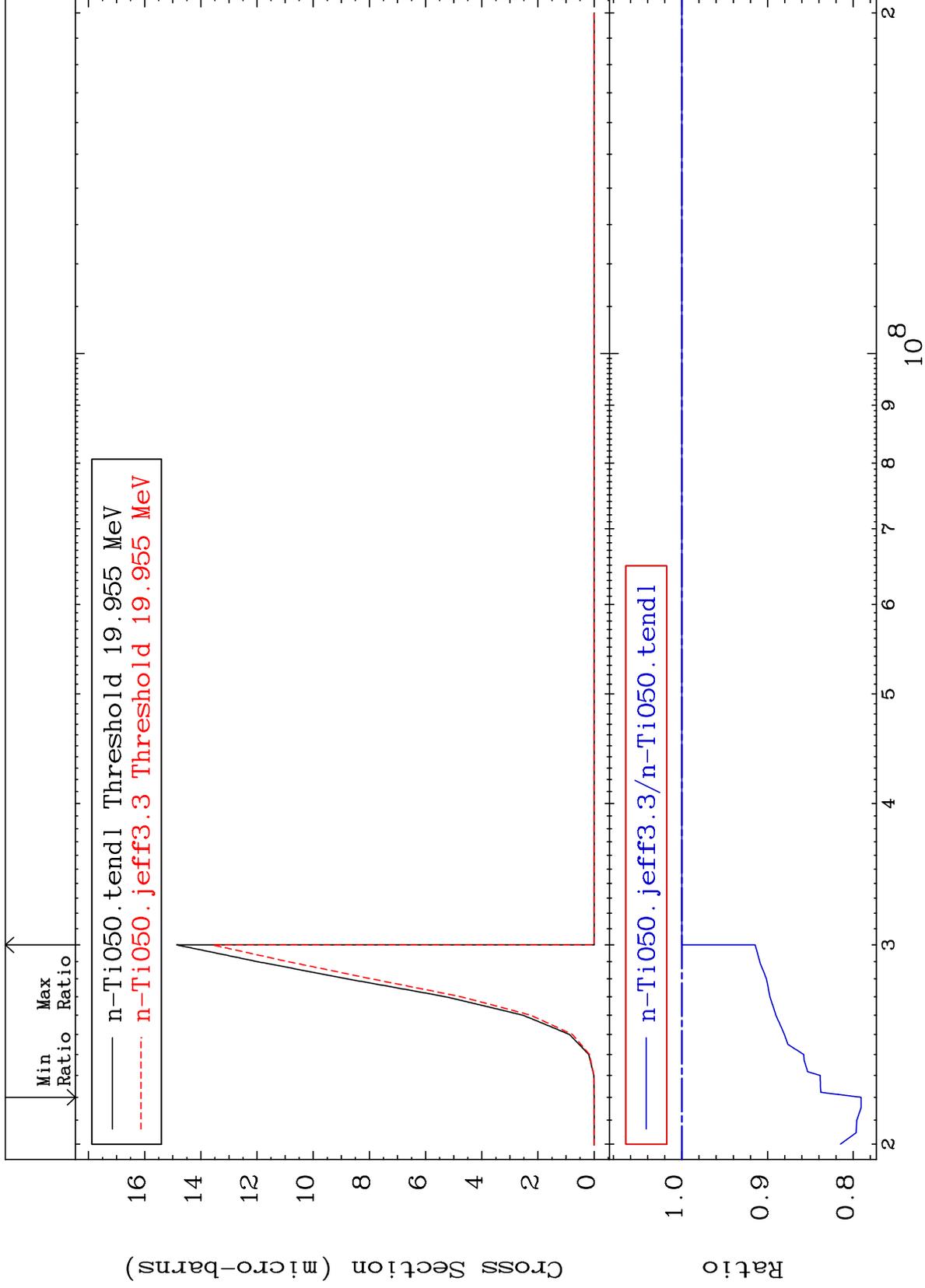
MAT 2237

(n,p) d

22-Ti-50

Cross Section

-20.92 To 0.000 %



55

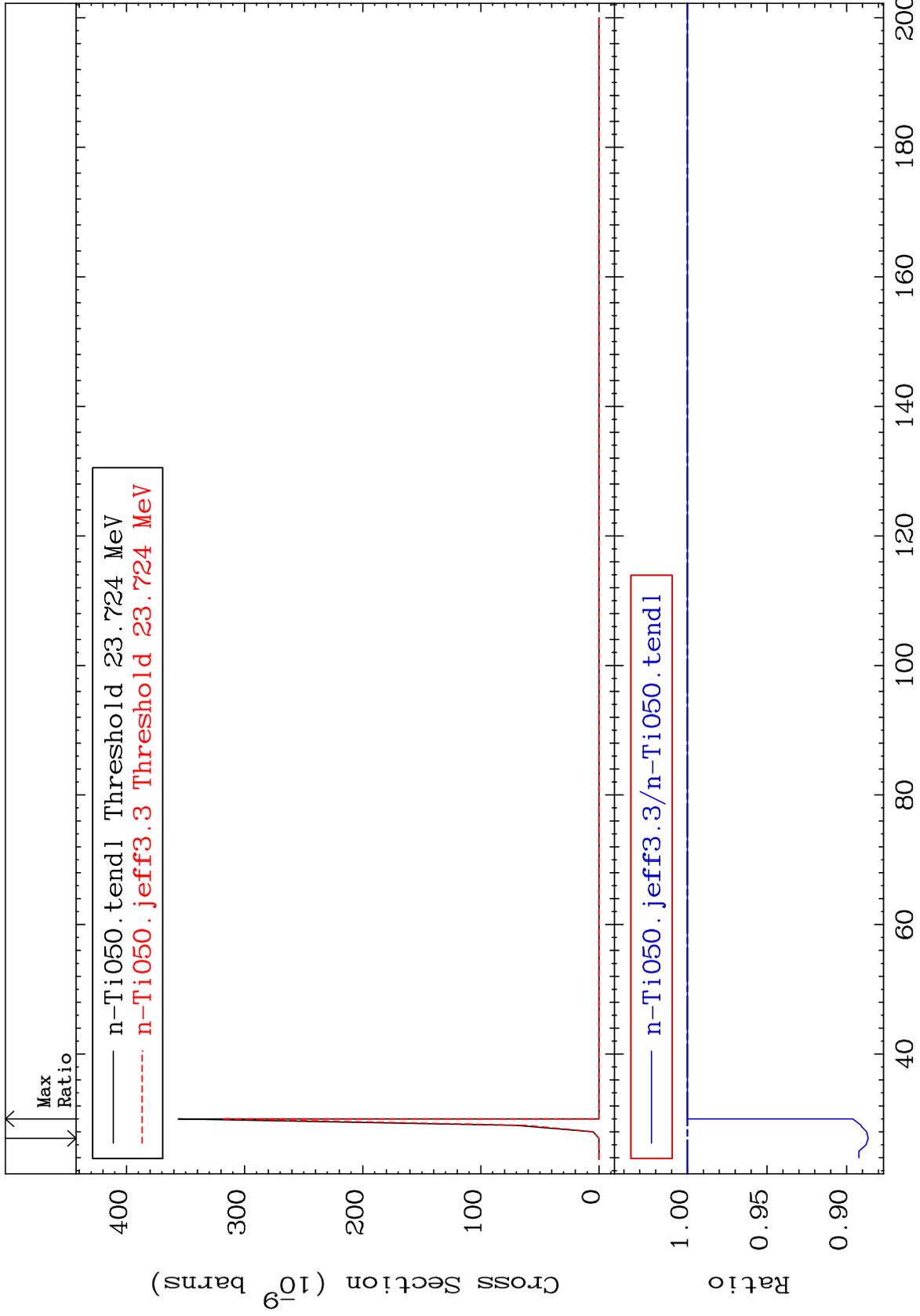
Incident Energy (eV)

22-Ti-50

MAT 2237

(n,p) t
Cross Section

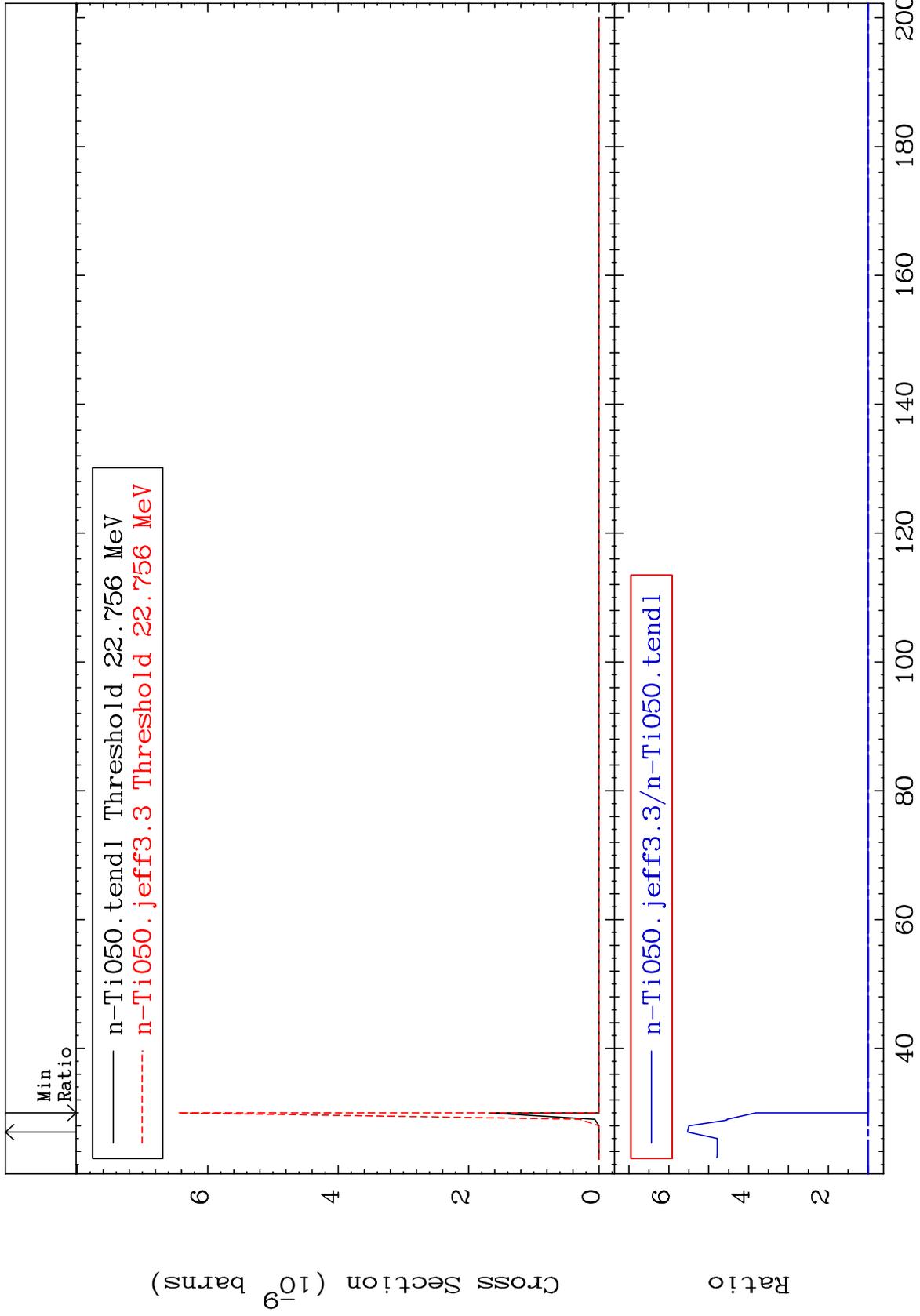
22-Ti-50
-11.36 To 0.000 %

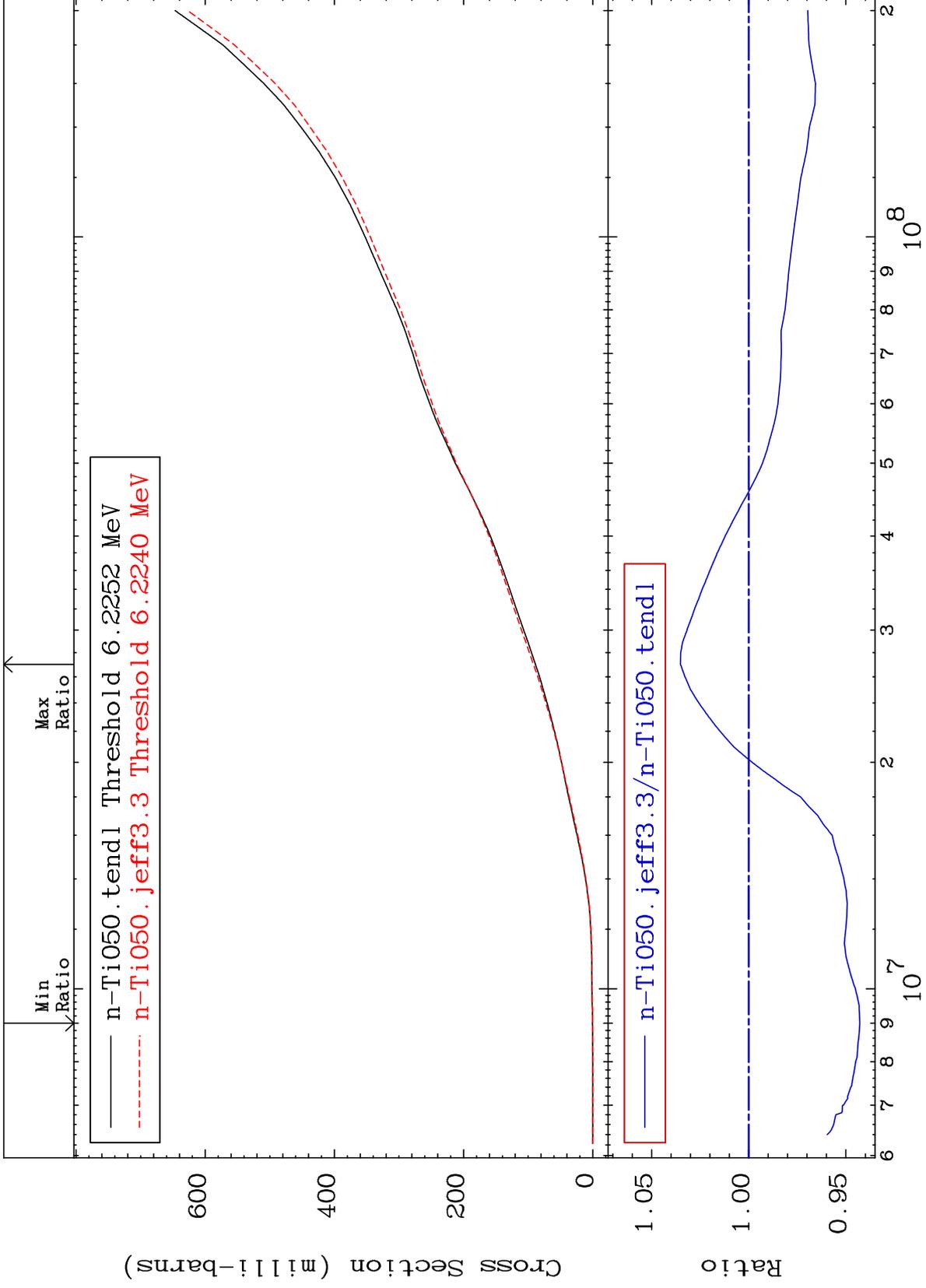


MAT 2237

(n, d) α
Cross Section

22-Ti-50
0.000 To 453.4 %

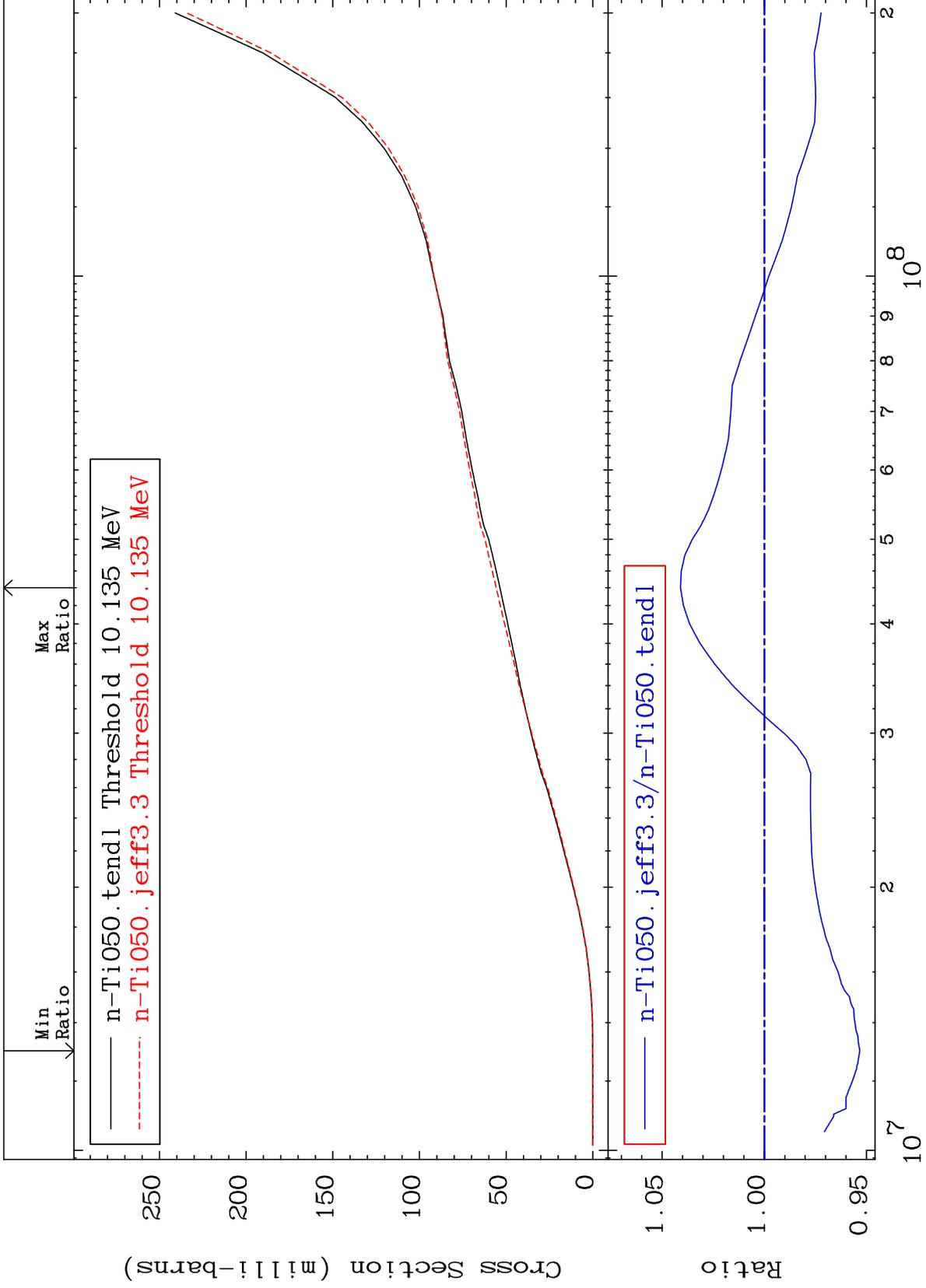




MAT 2237

Deuterium Production
Cross Section

$^{22}\text{Ti}-50$
-4.673 To 4.101 %



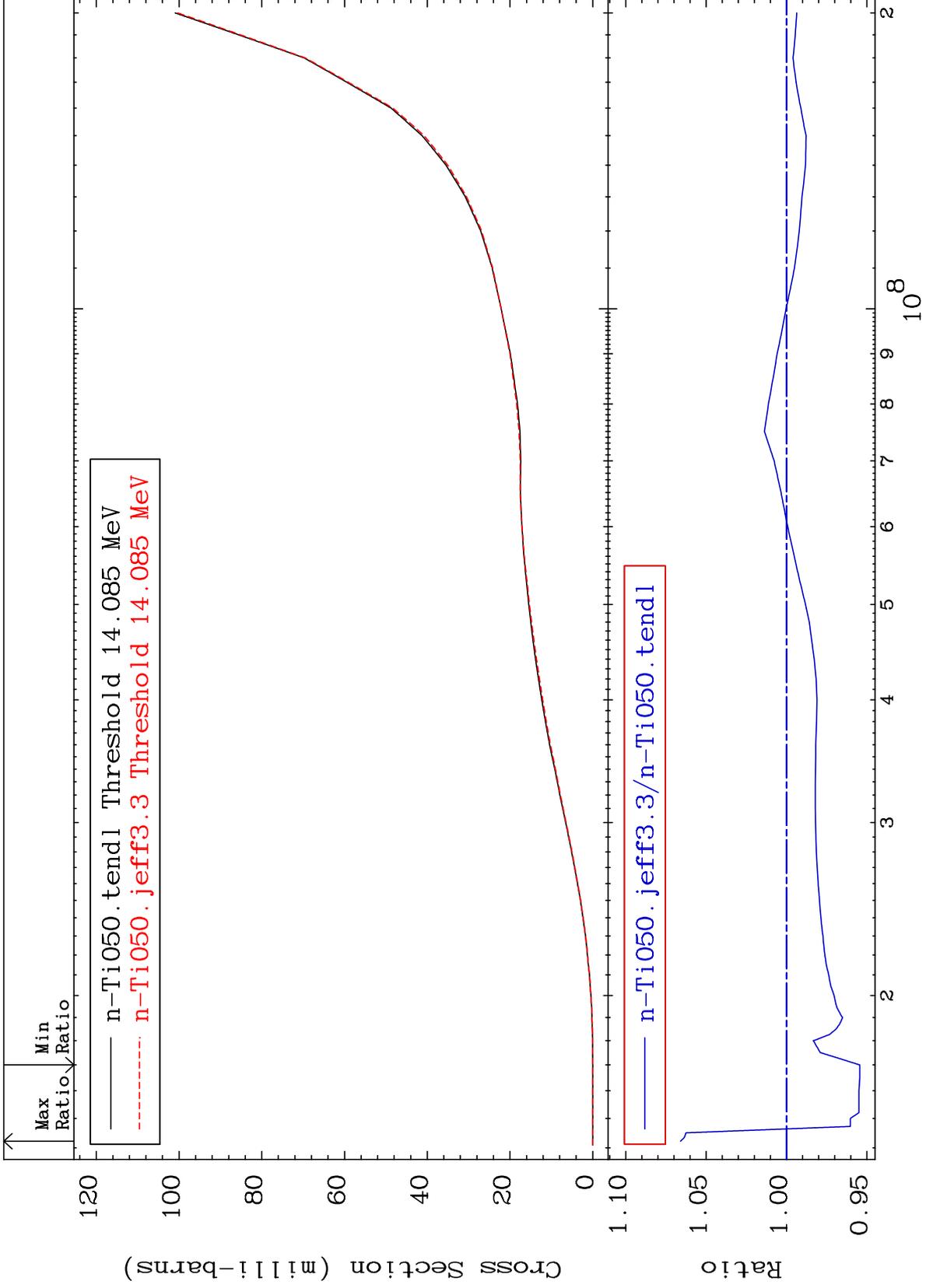
59

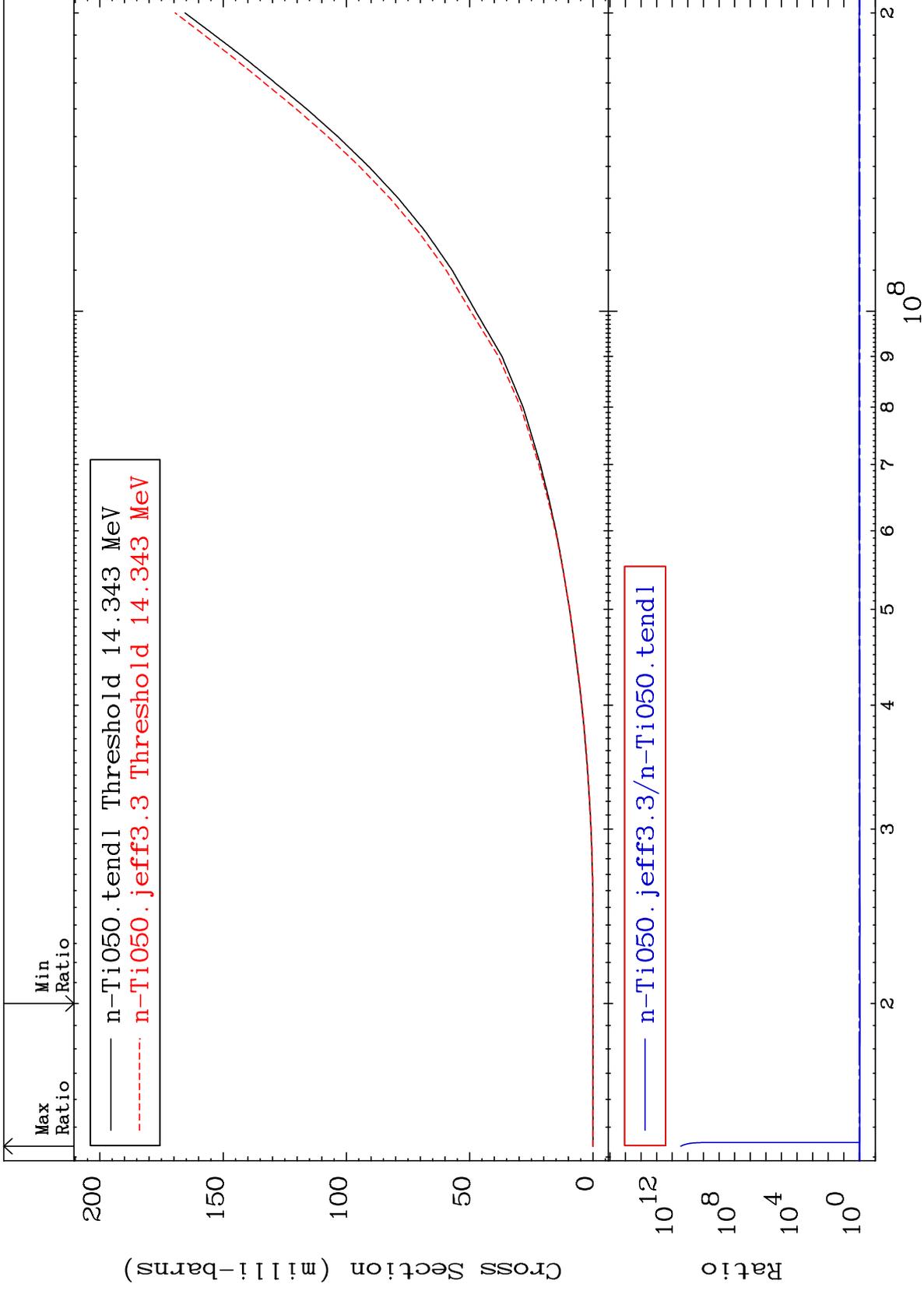
$^{22}\text{Ti}-50$

MAT 2237

Tritium Production
Cross Section

22-Ti-50
-4.558 To 6.593 %

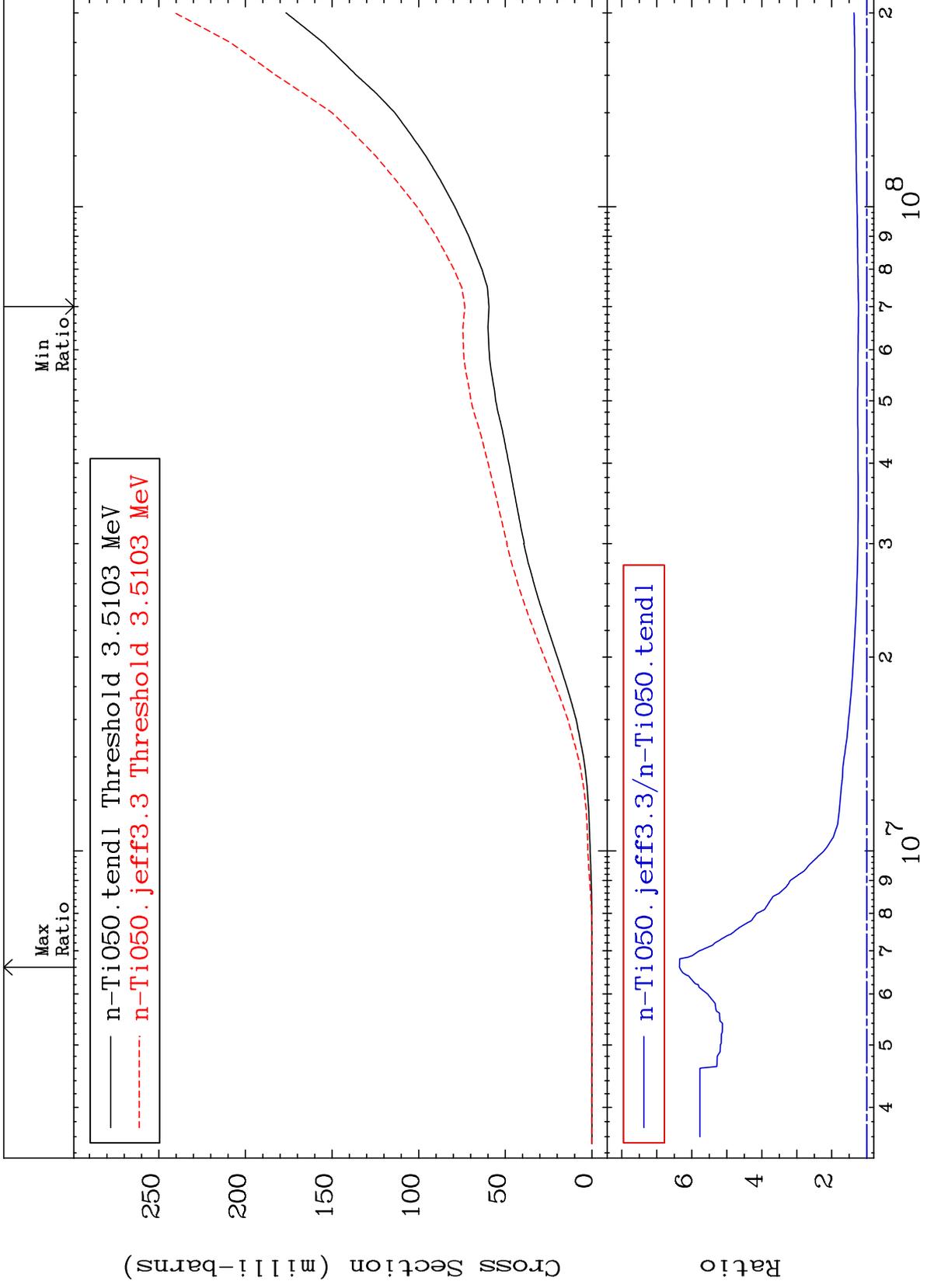




MAT 2237

He-4 Production
Cross Section

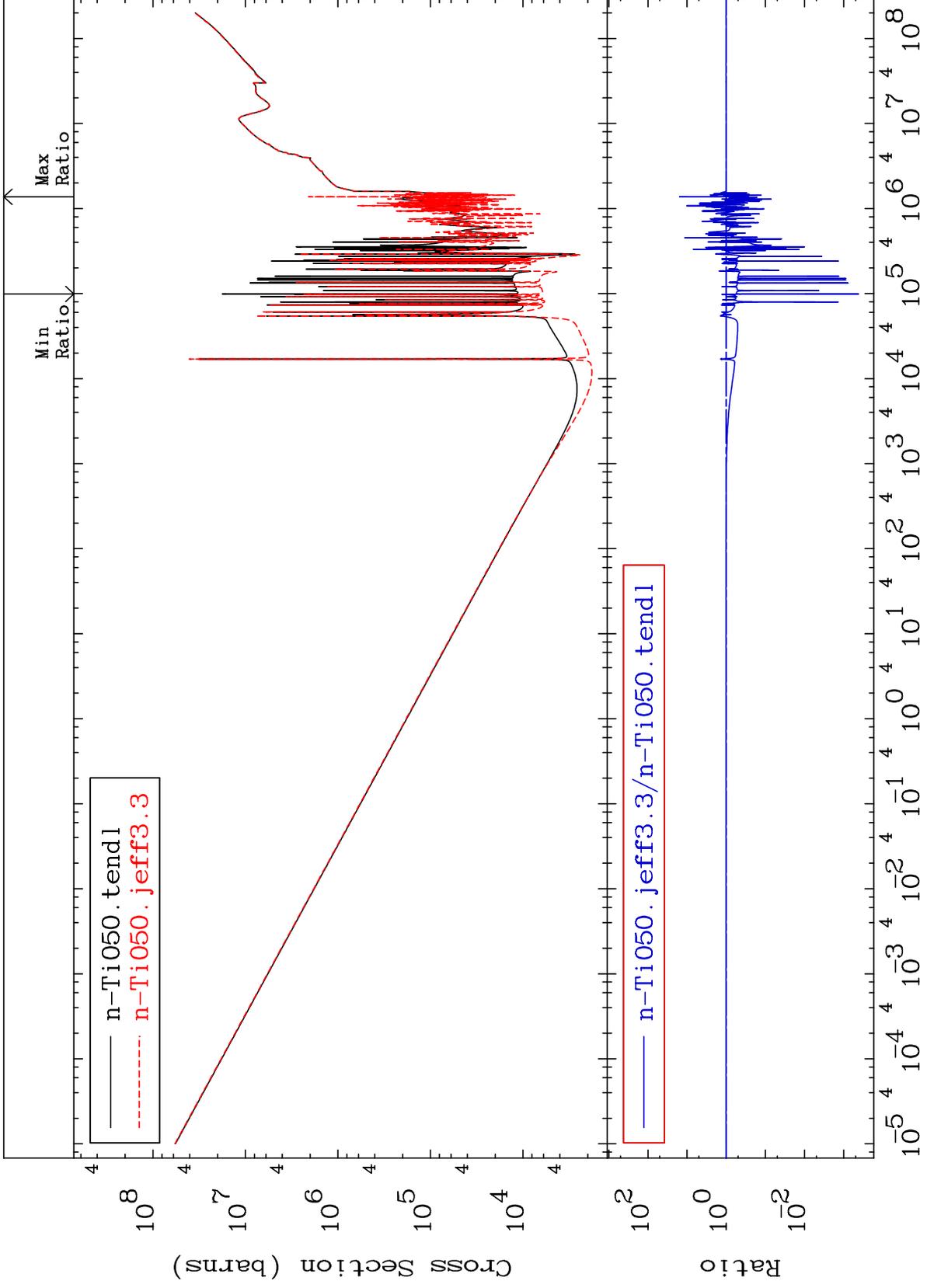
22-Ti-50
23.41 To 535.0 %



MAT 2237

Kerma total (eV-barns)
Cross Section

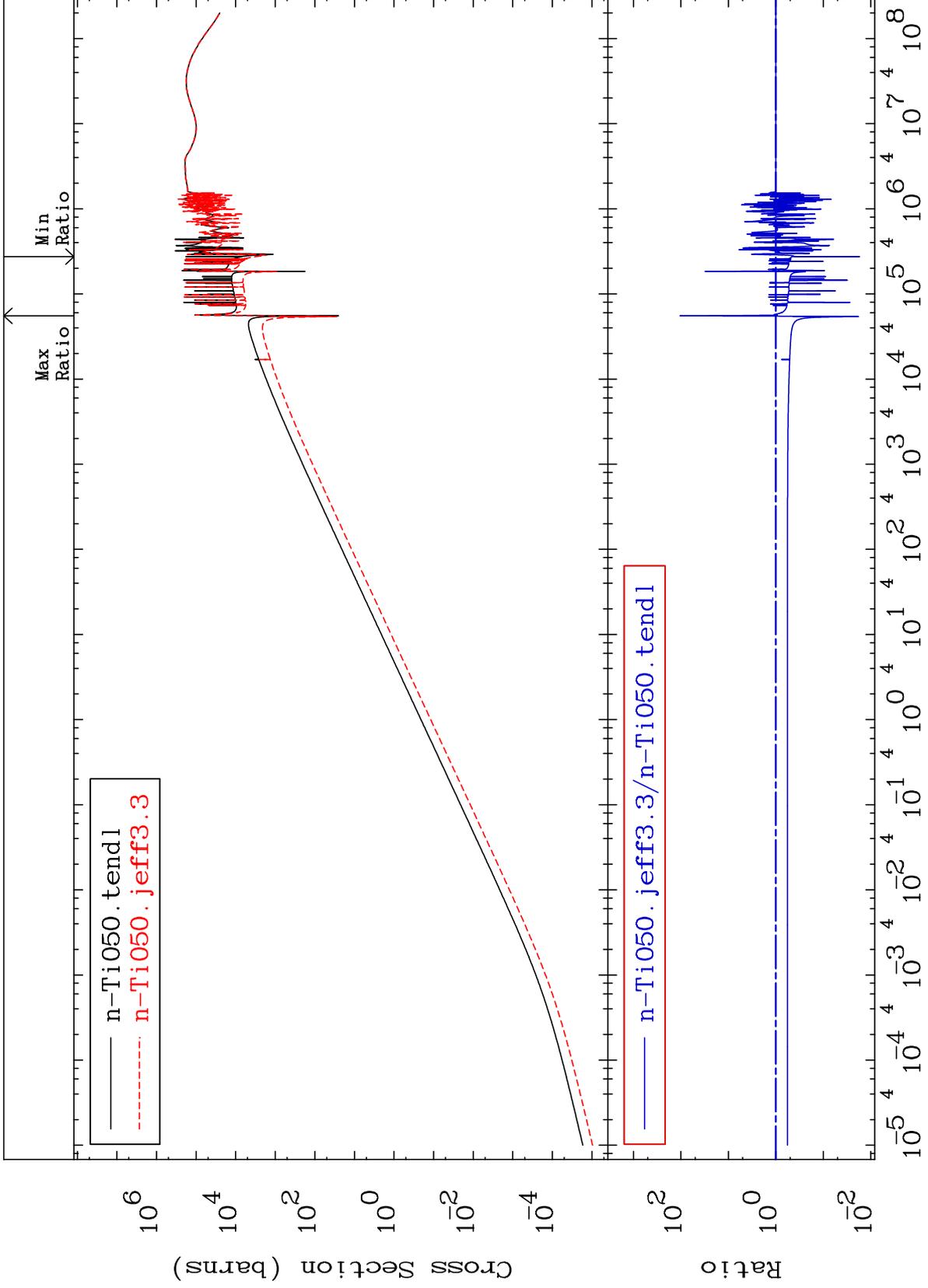
22-Ti-50
-99.96 To 1458. %



MAT 2237

Kerma elastic
Cross Section

22-Ti-50
-98.27 To 9999. %



64

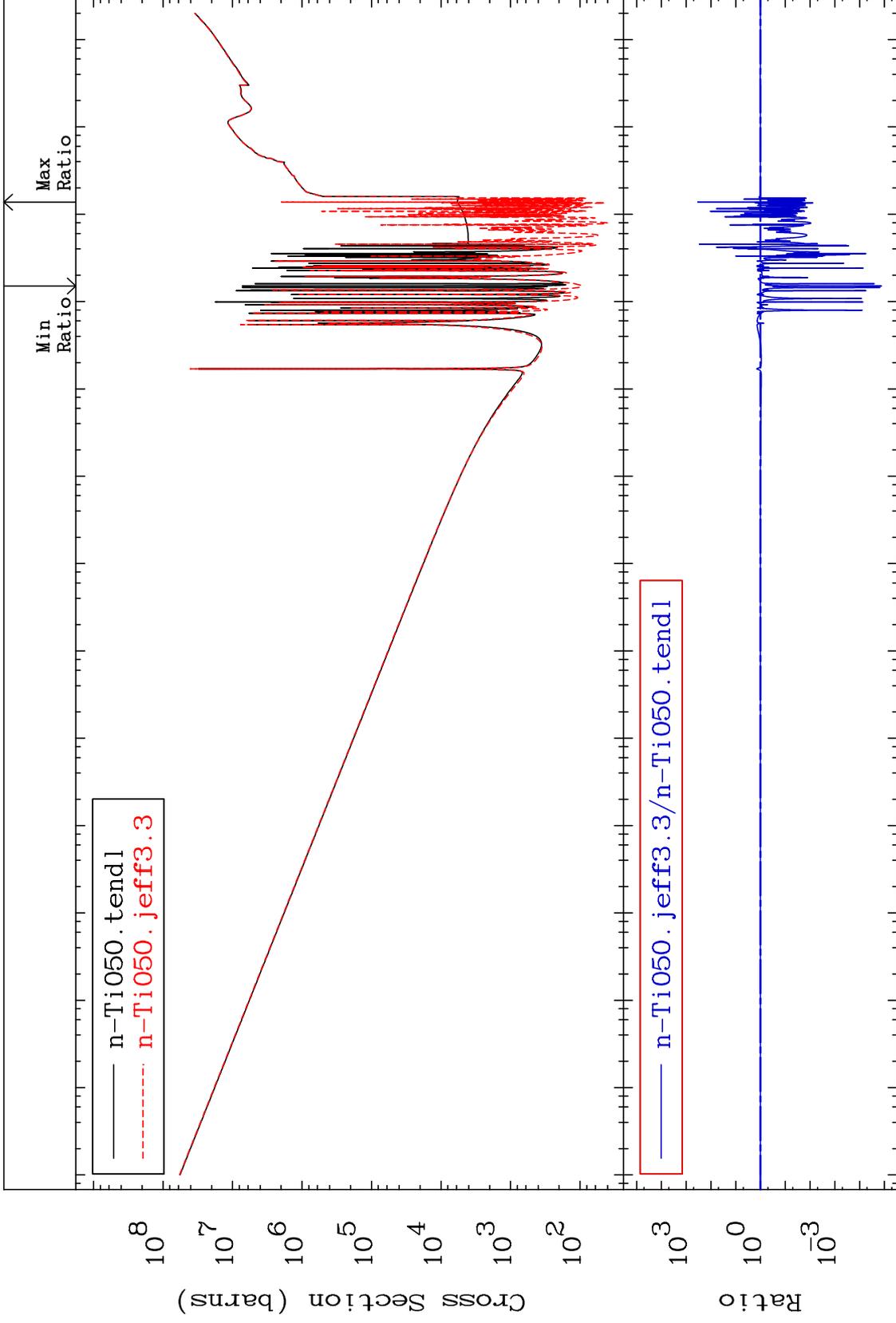
Incident Energy (eV)

22-Ti-50

MAT 2237

Kerma non-elastic (all but mt2)
Cross Section

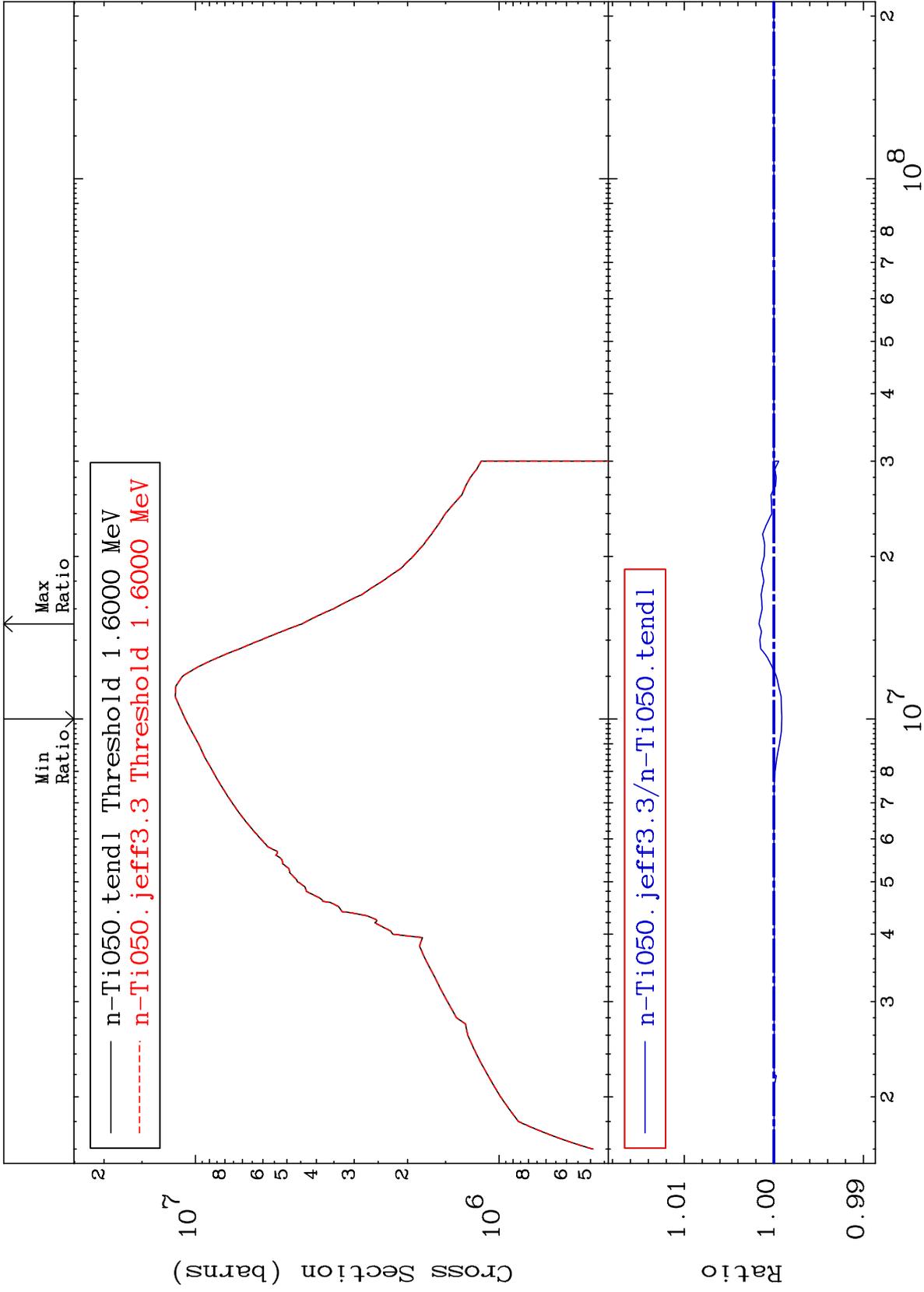
22-Ti-50
-100.0 To 9999. %

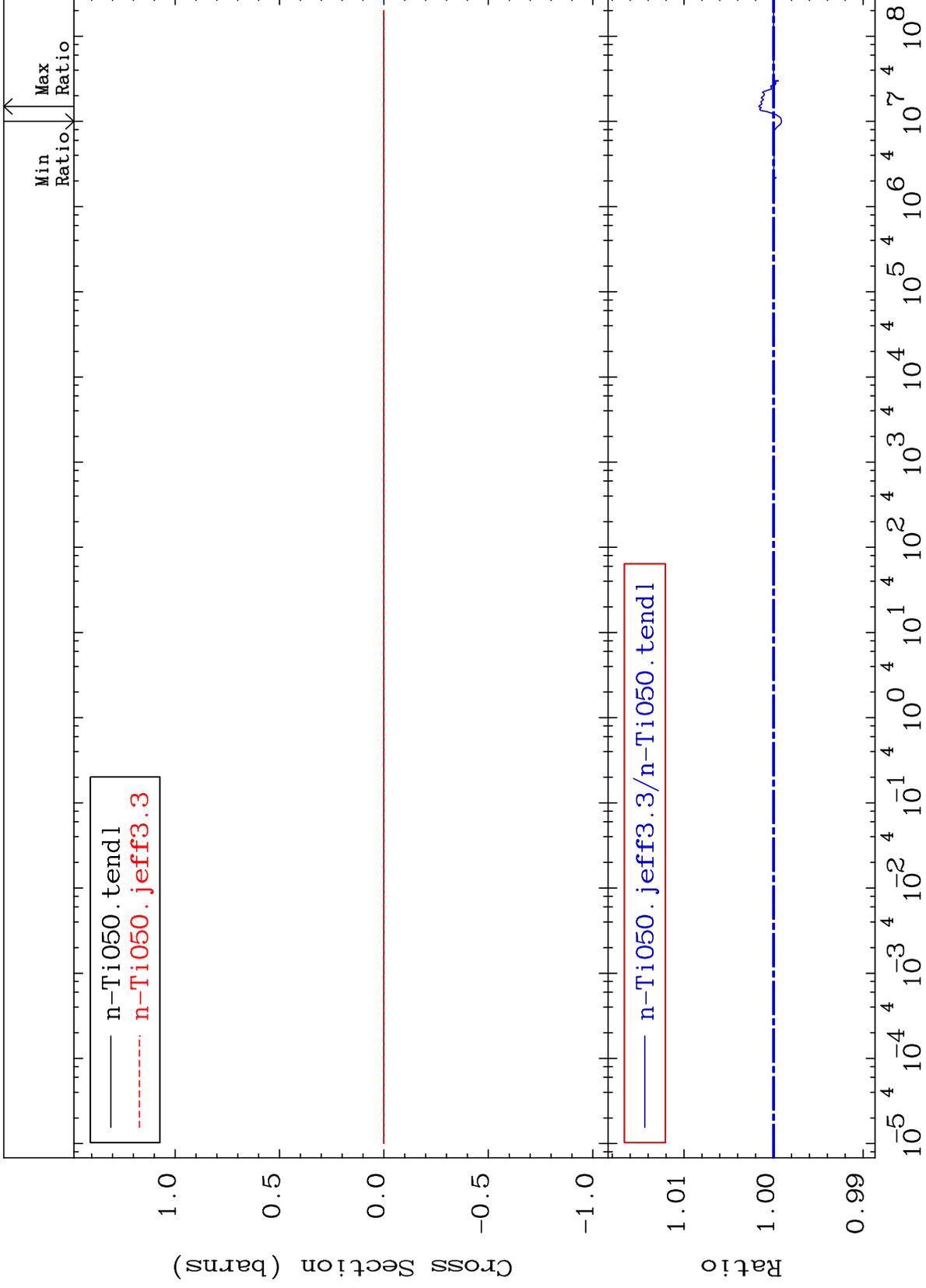


Incident Energy (eV)

65

22-Ti-50

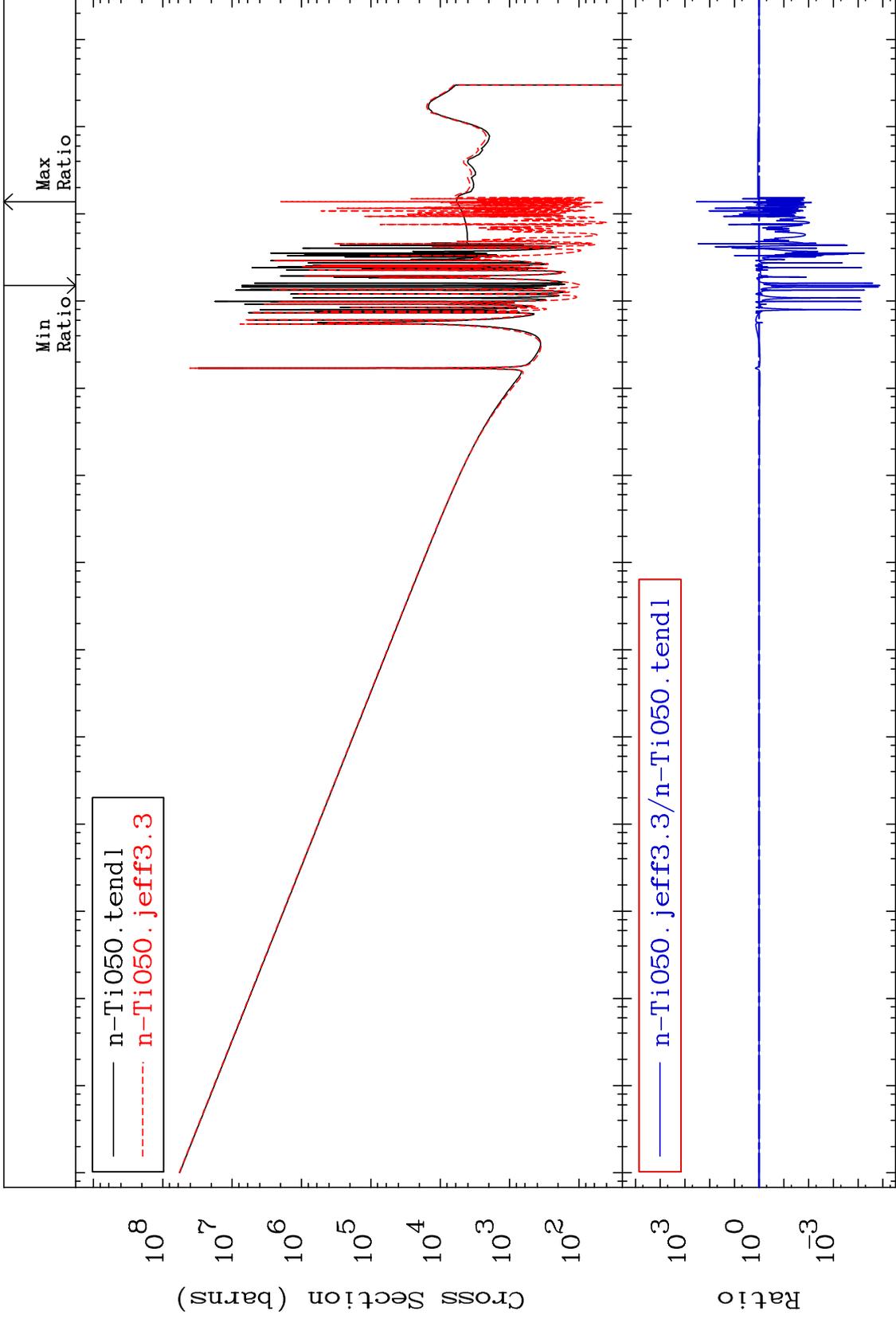




MAT 2237

Kerma capture (mt102)
Cross Section

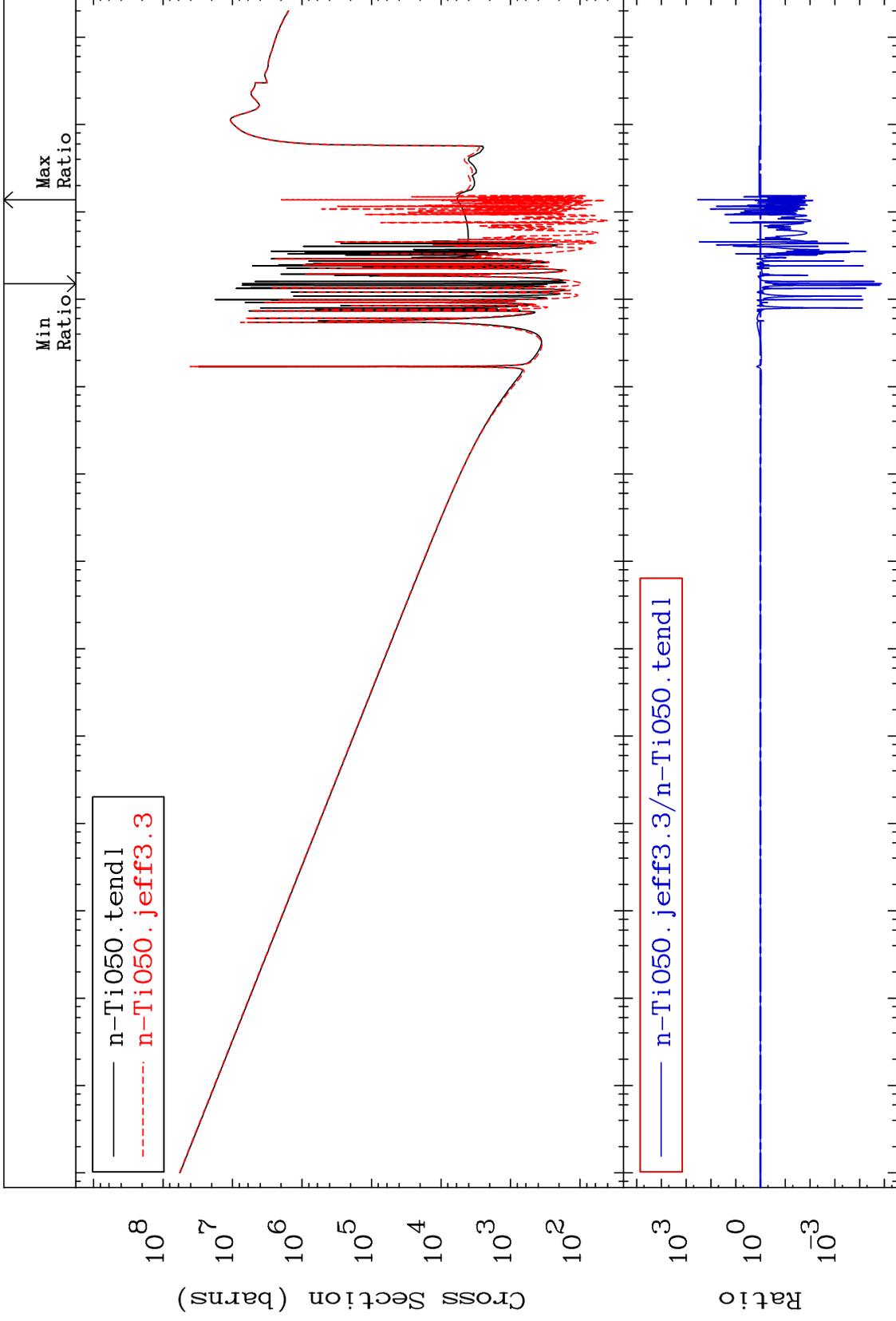
22-Ti-50
-100.0 To 9999. %



MAT 2237

Total photon (eV-barns)
Cross Section

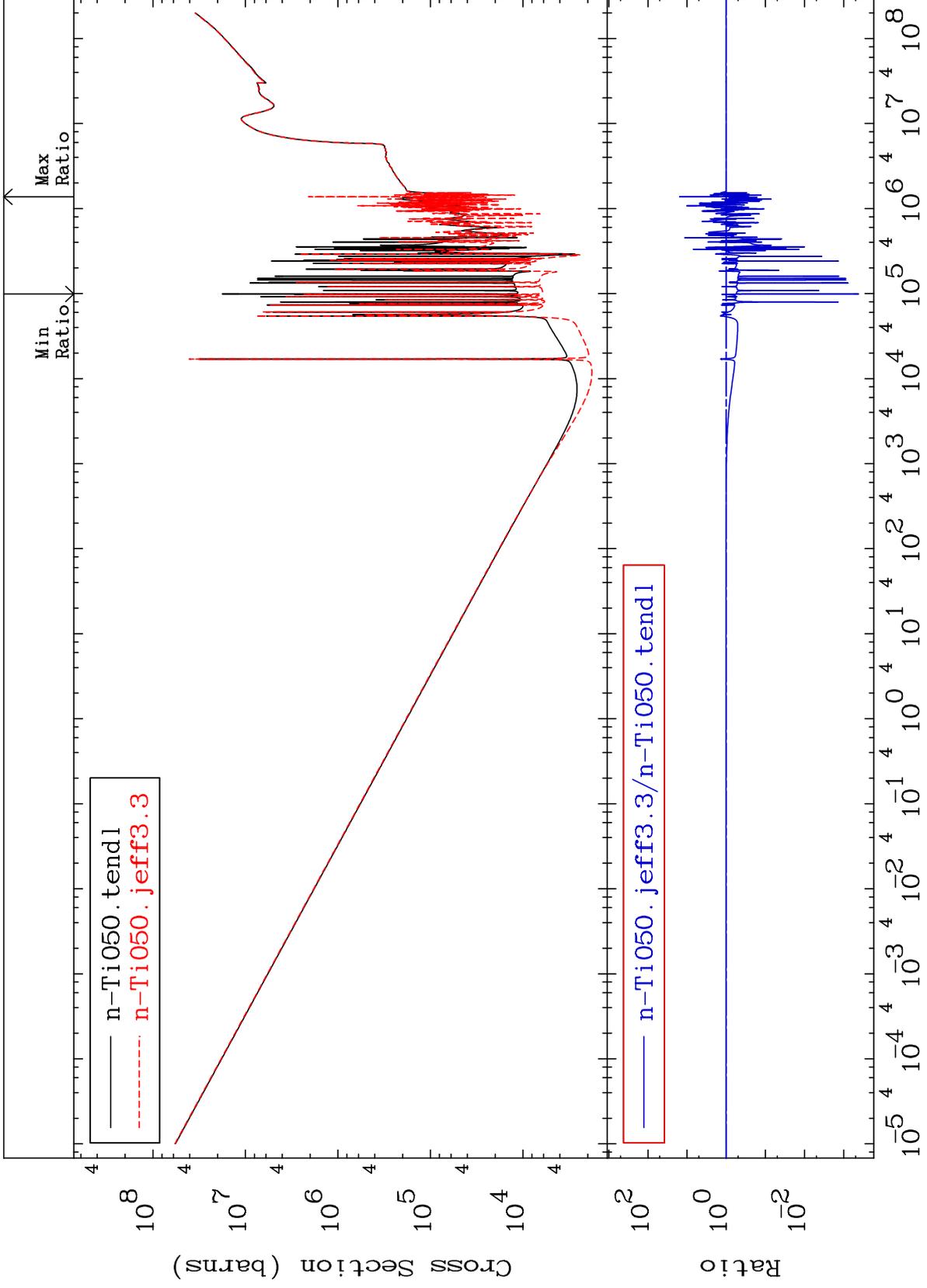
22-Ti-50
-100.0 To 9999. %



MAT 2237

Total kinematic kerma (high limit)
Cross Section

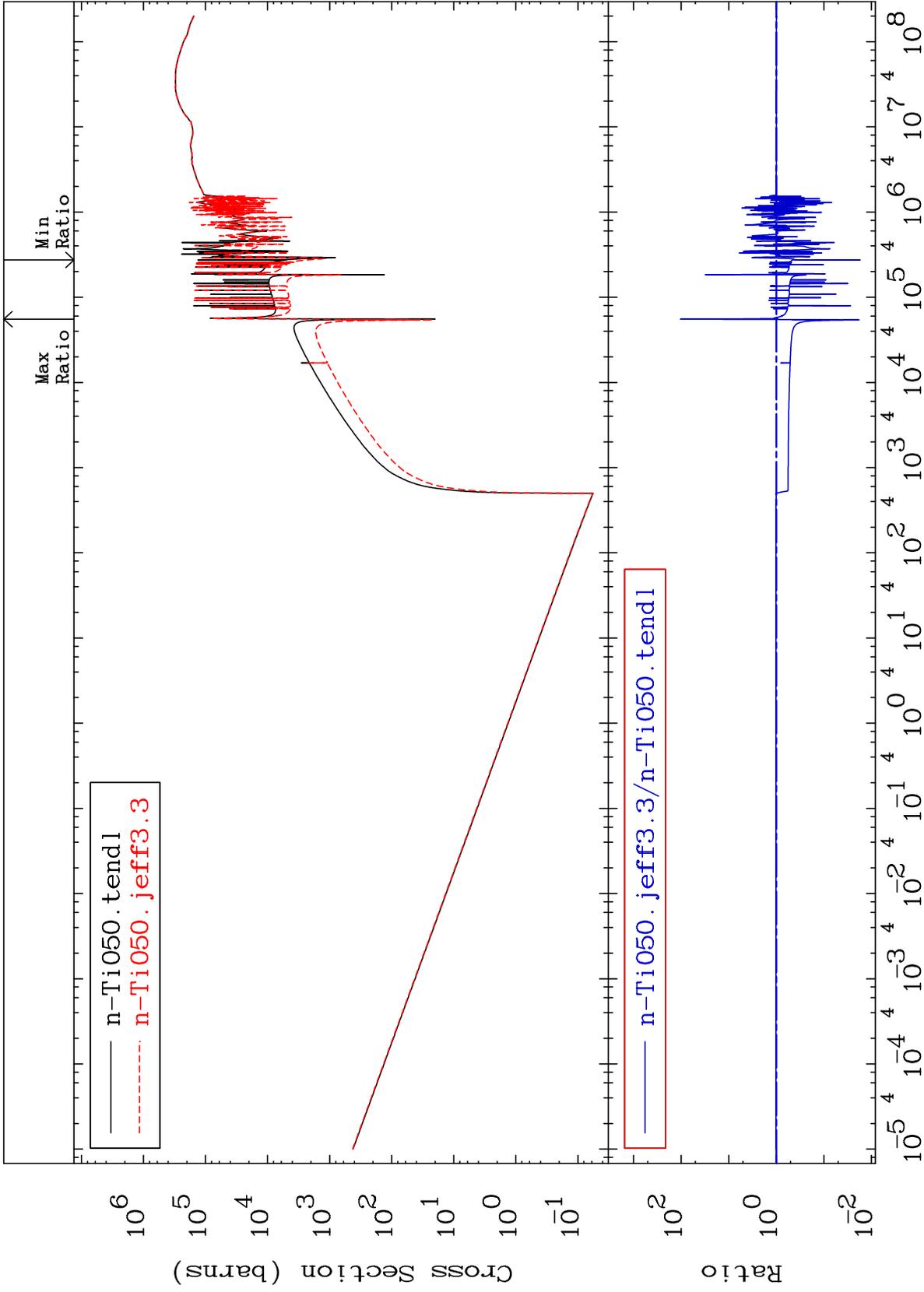
22-Ti-50
-99.96 To 1458. %

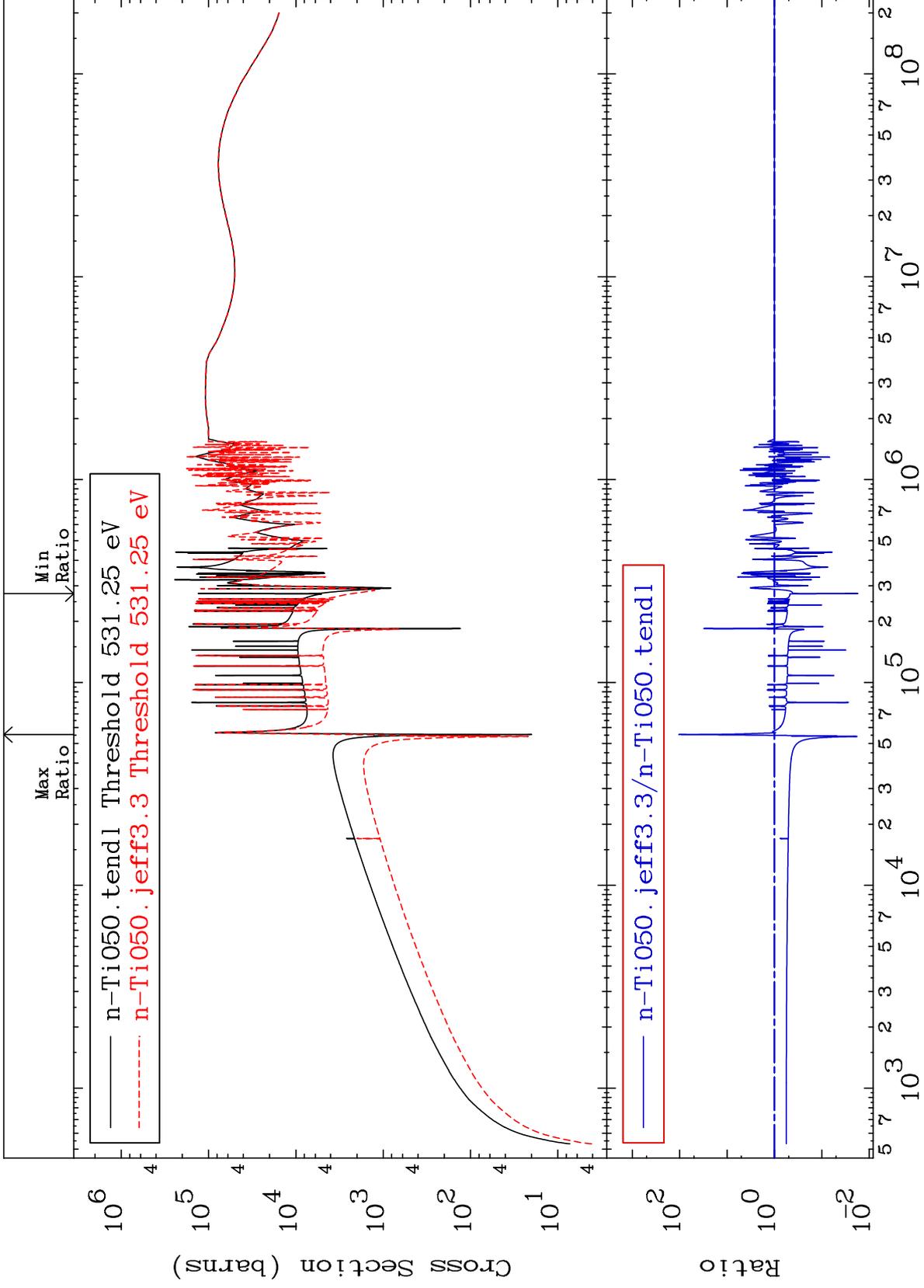


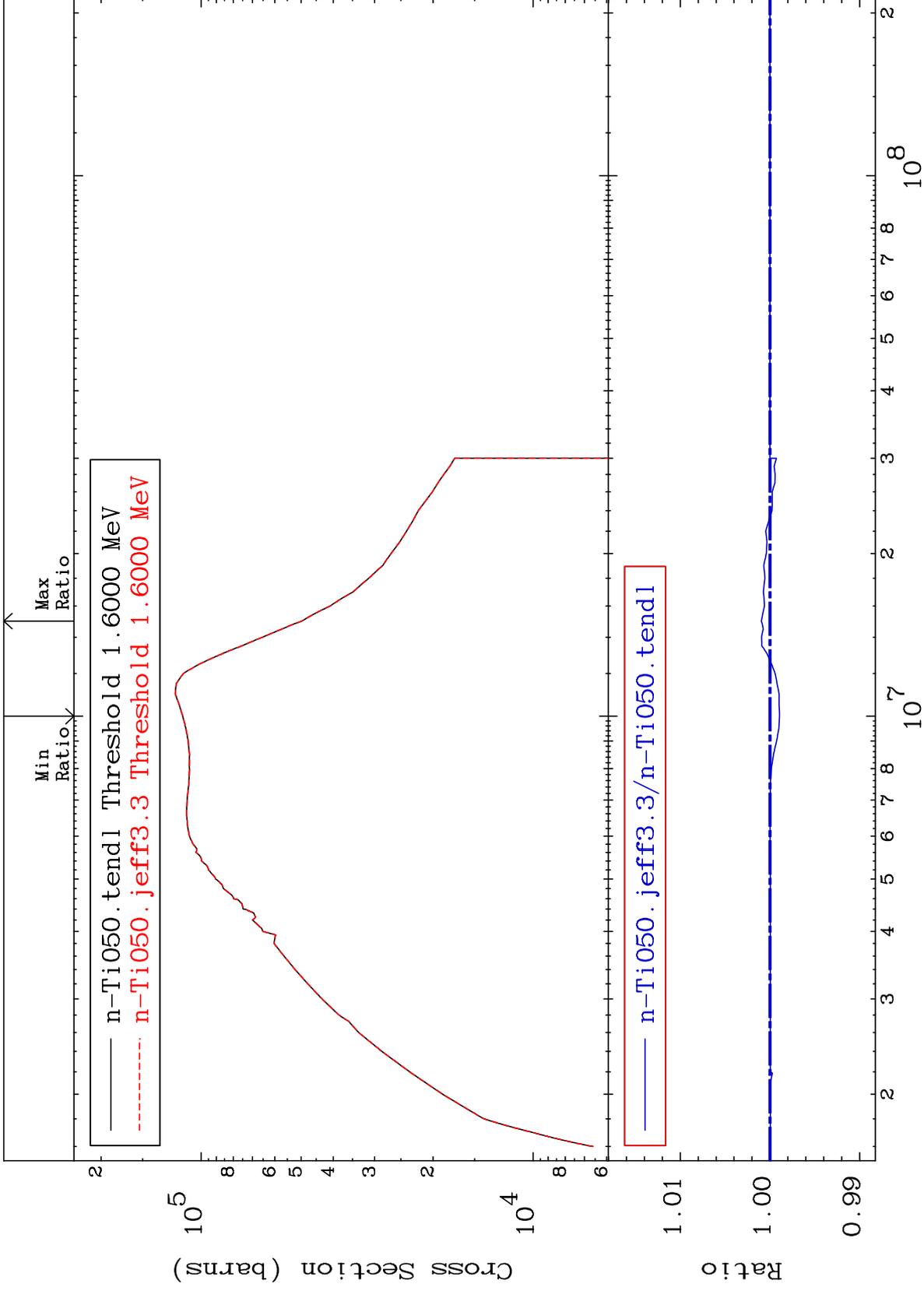
70

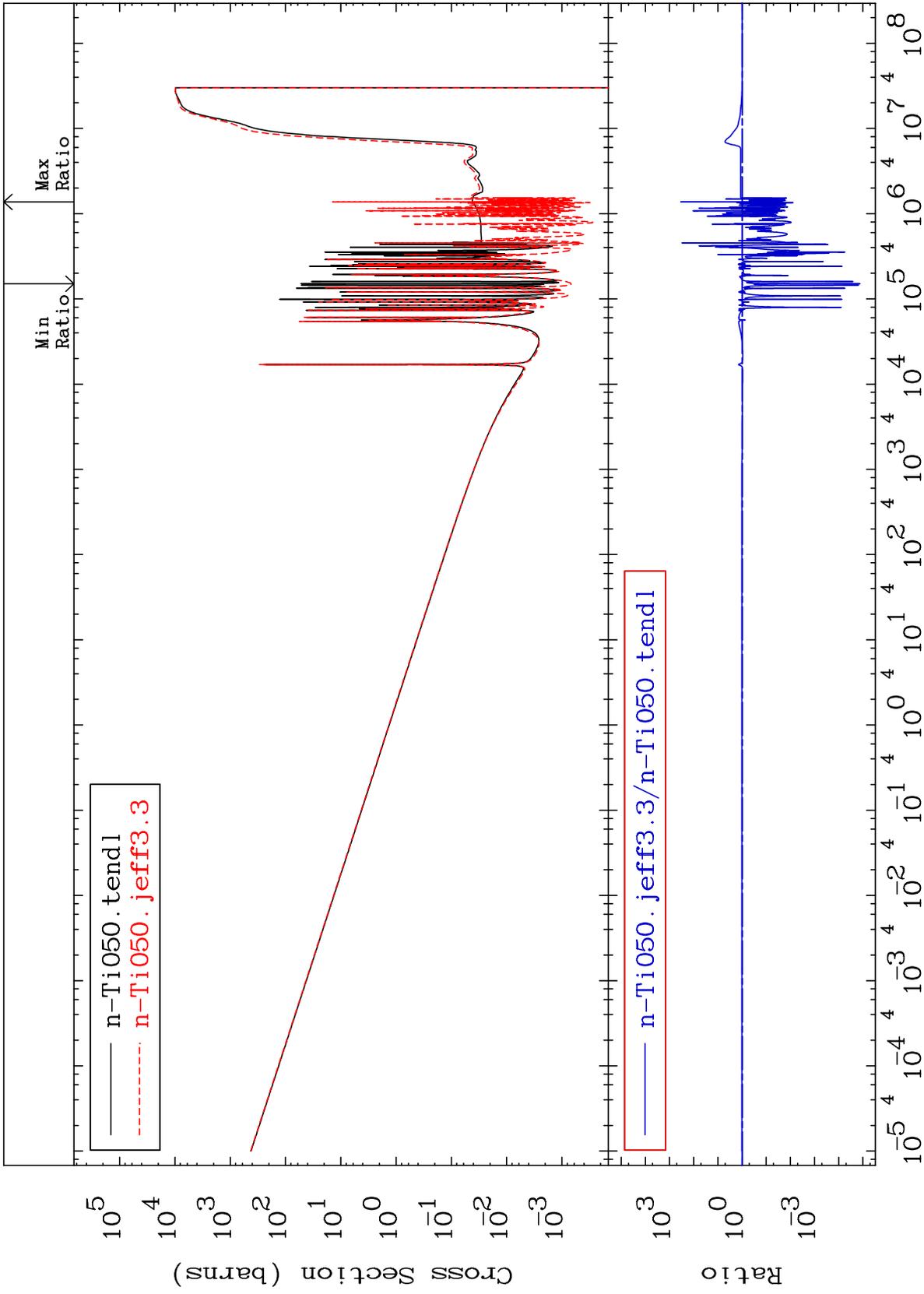
Incident Energy (eV)

22-Ti-50

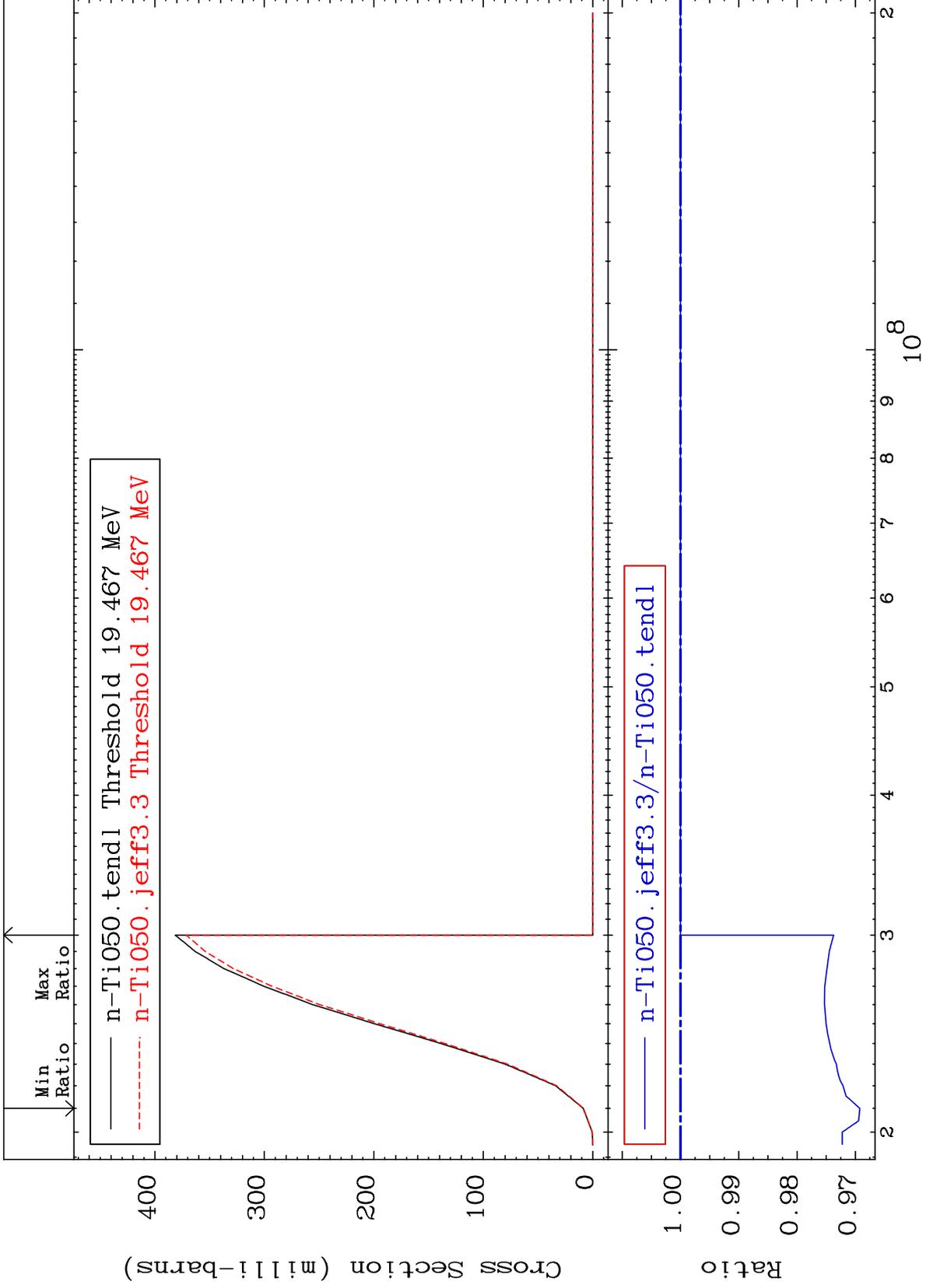




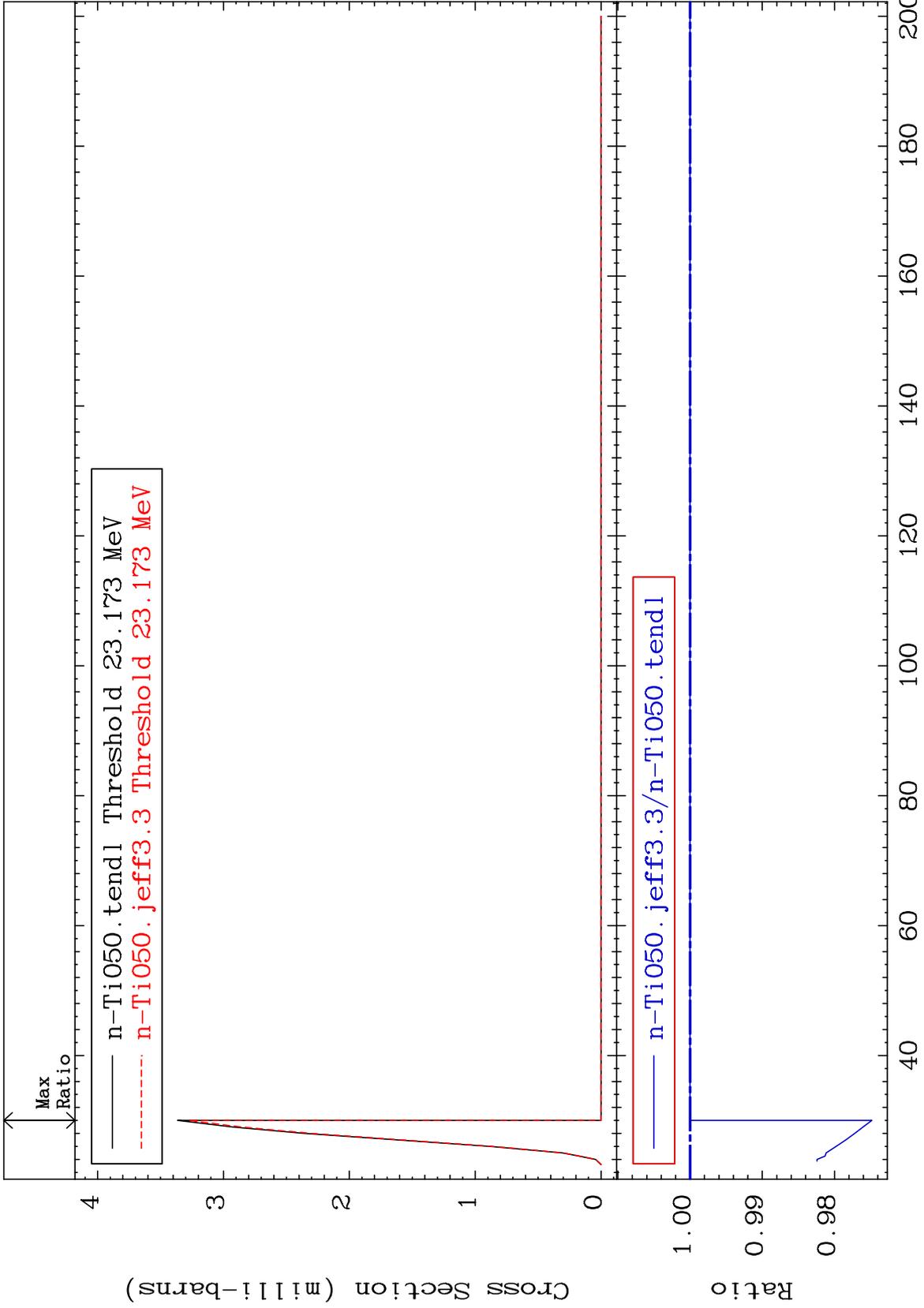


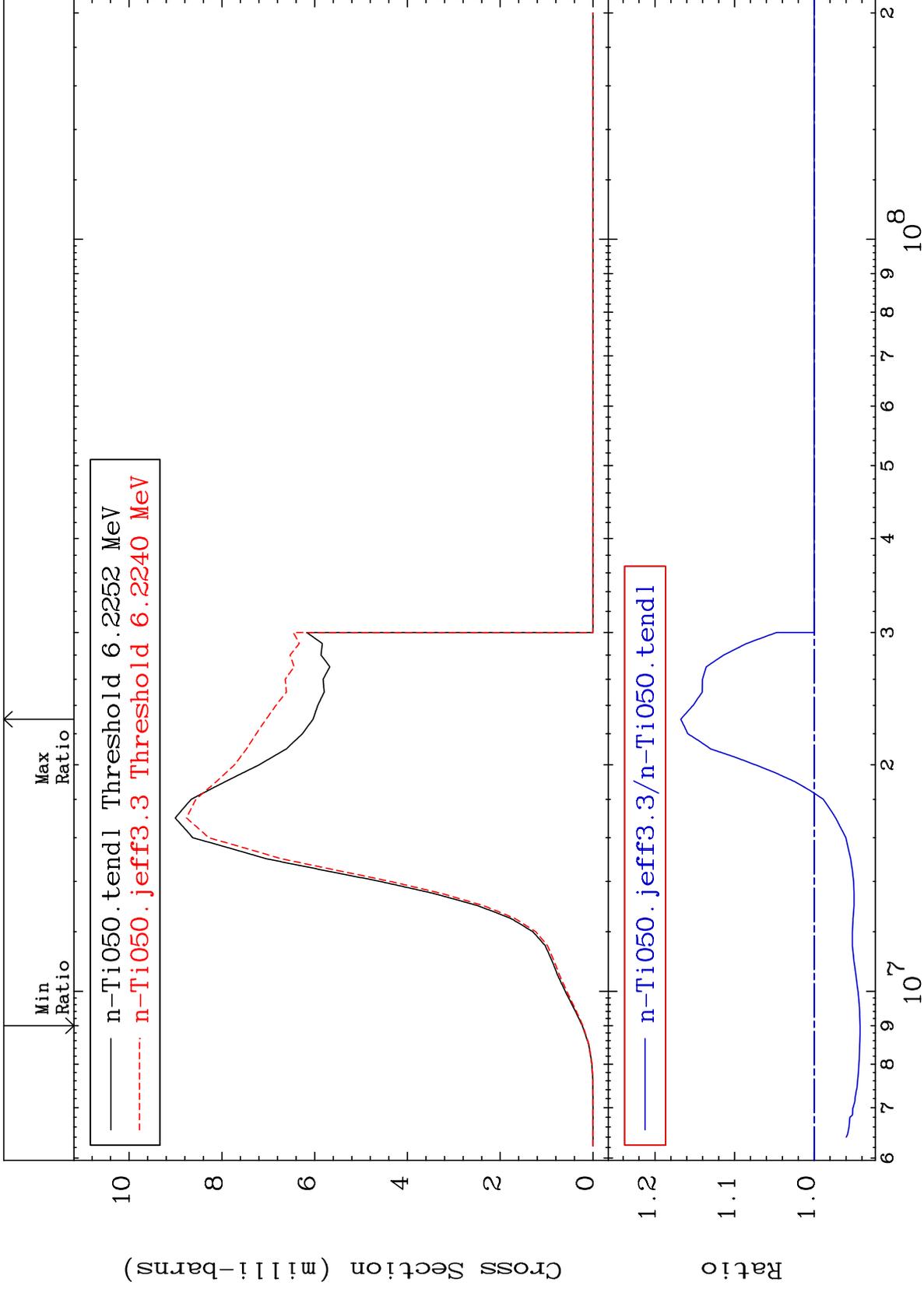


Radionuclide Production Cross Section -3.076 To 0.000 %



Radionuclide Production Cross Section -2.517 To 0.000 %





Radionuclide Production Cross Section -5.663 To 16.21 %

