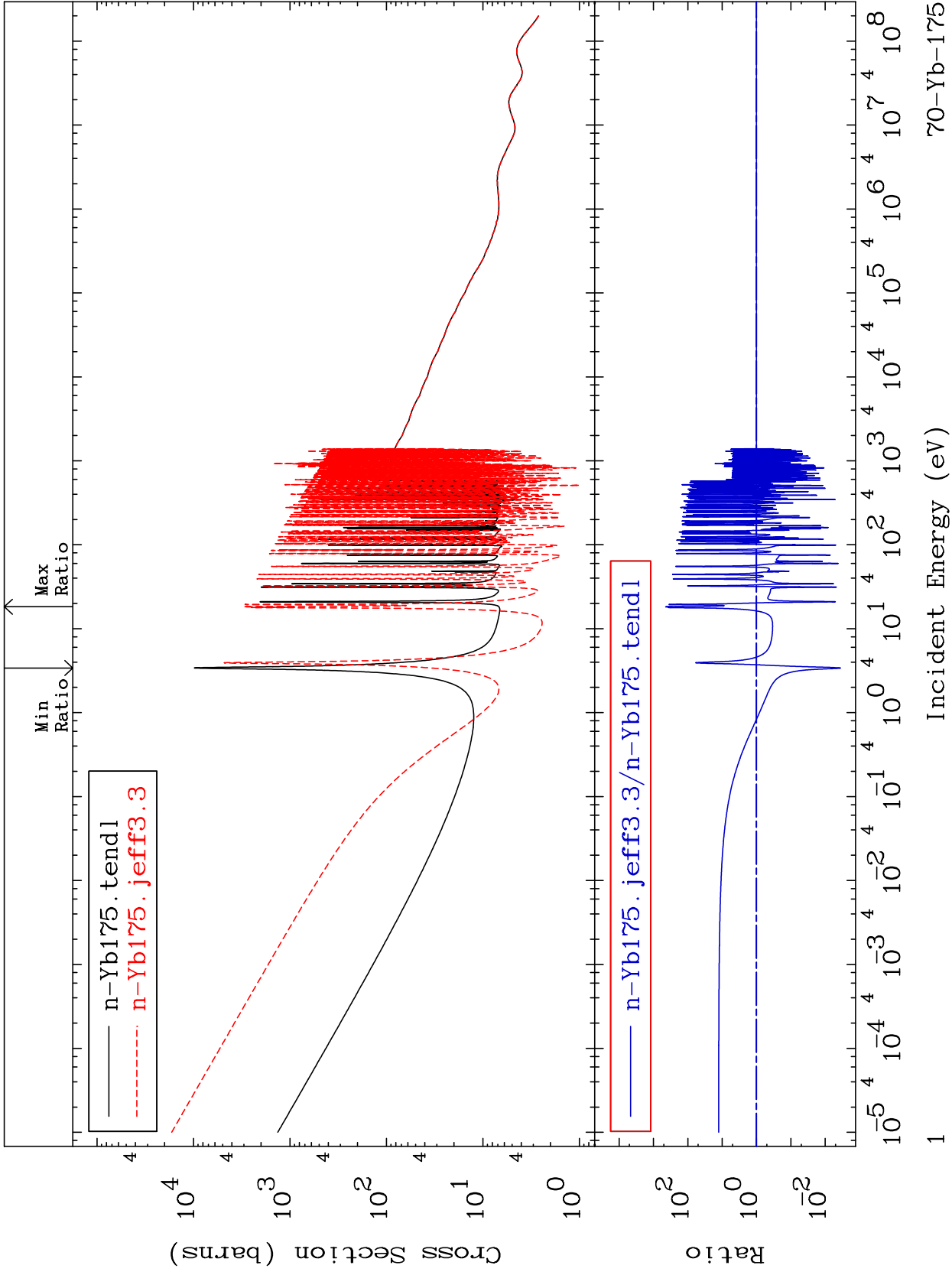


MAT 7046

Total
Cross Section

70-Yb-175
-99.64 To 9999. %



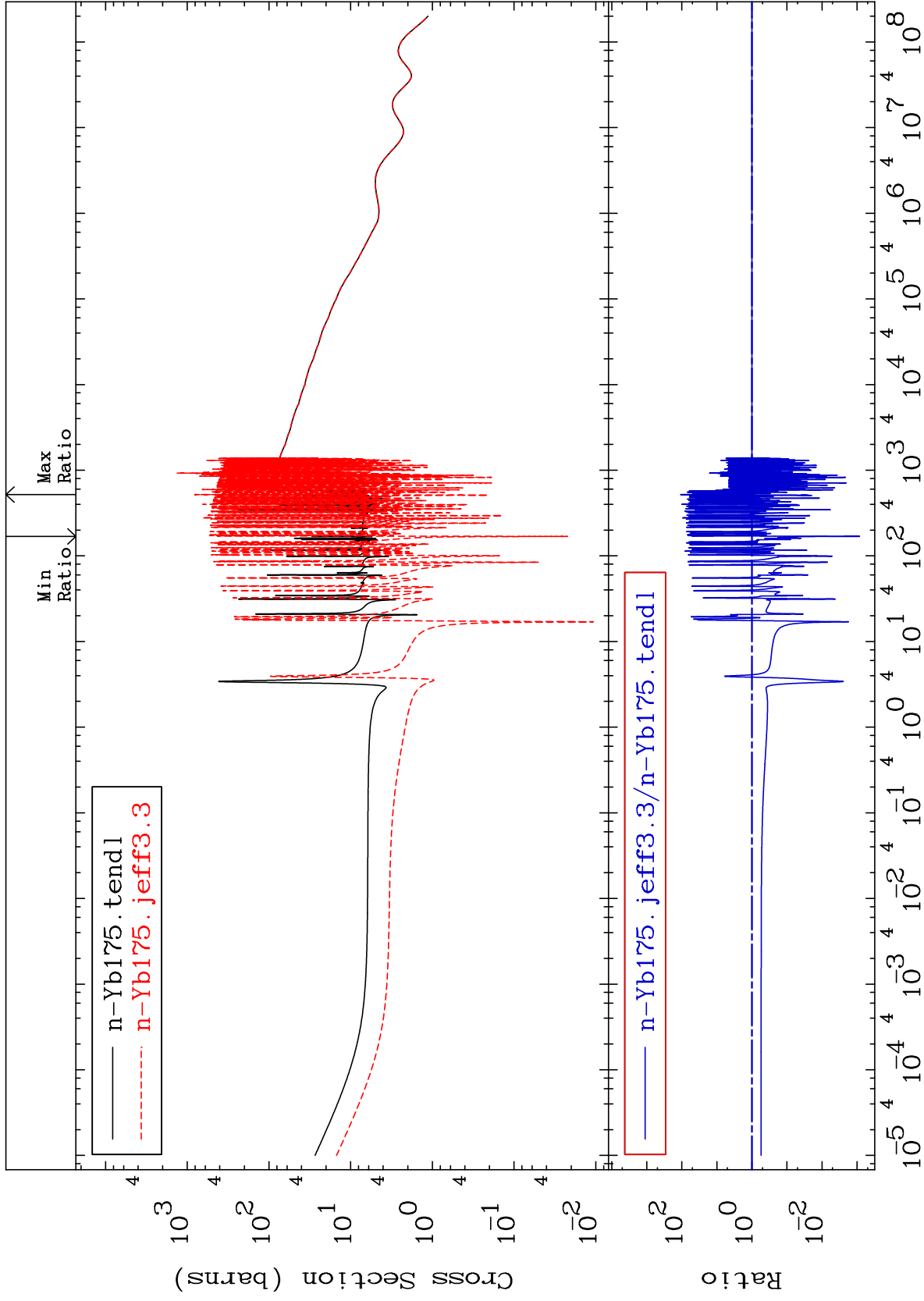
MAT 7046

Elastic

70-Yb-175

Cross Section

-99.92 To 9999. %



2

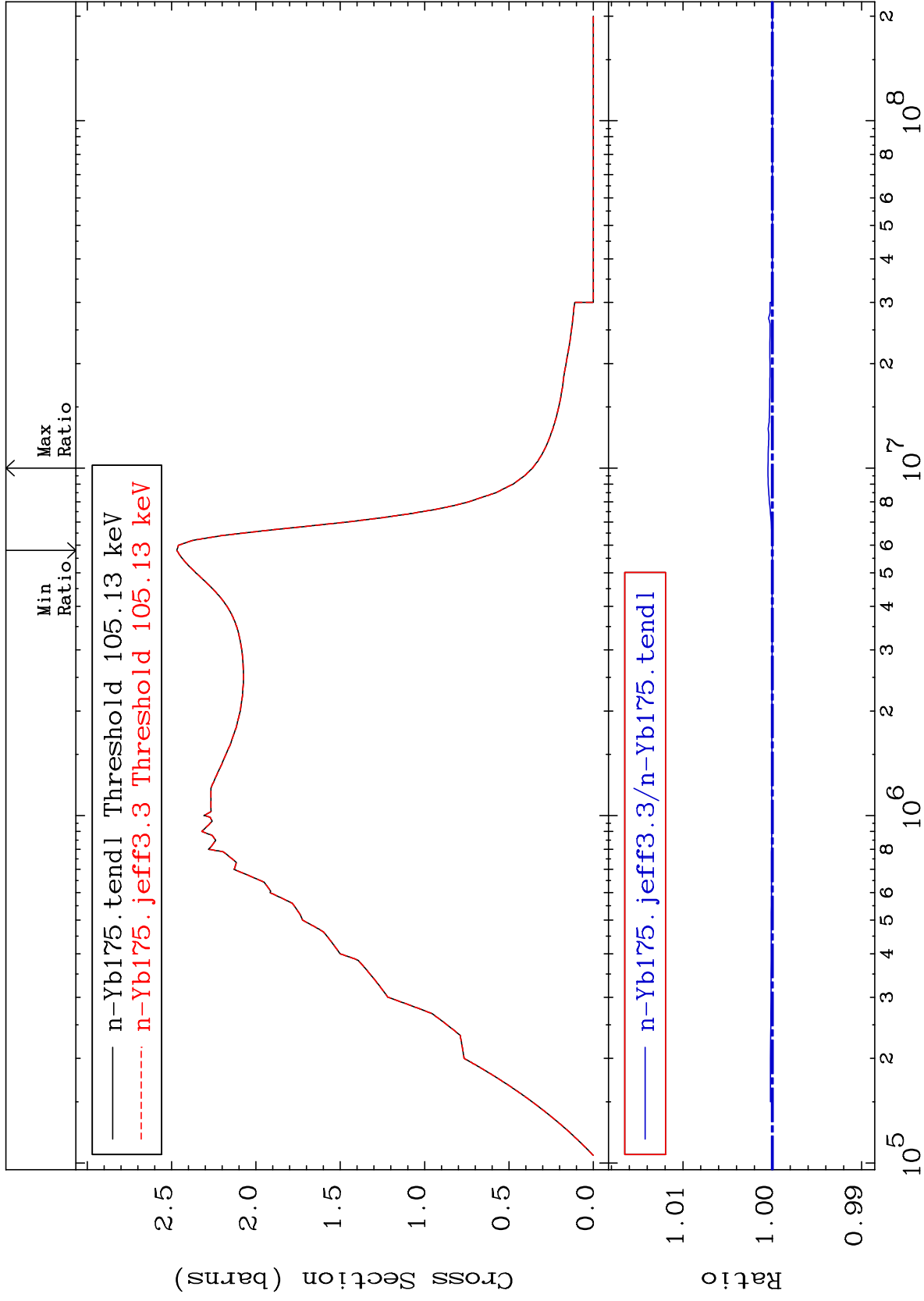
Incident Energy (eV)

70-Yb-175

MAT 7046

Inelastic
Cross Section

70-Yb-175
To 0.048 %



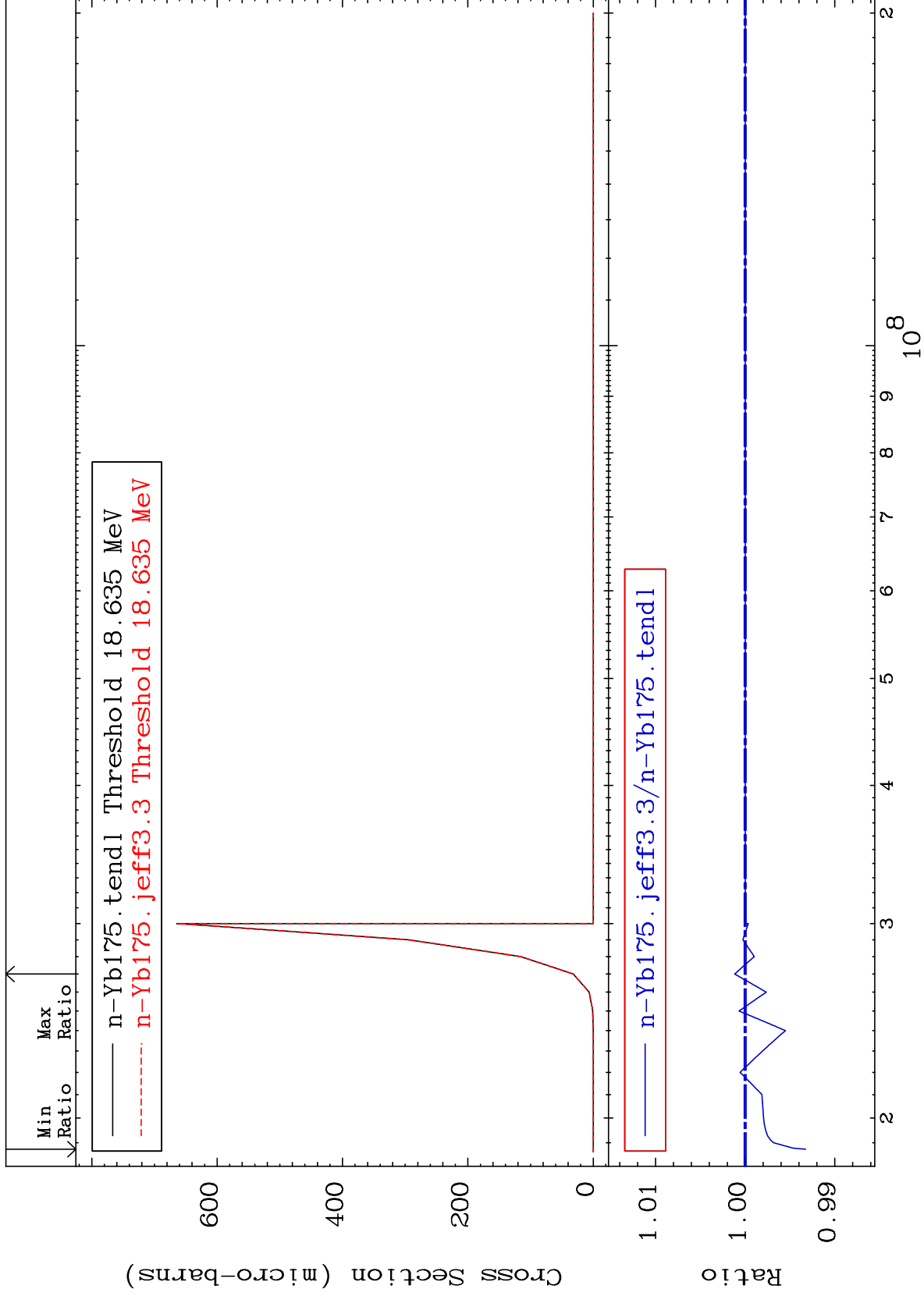
70-Yb-175

70-Yb-175

MAT 7046

(n,2n) d
Cross Section

70-Yb-175
-0.674 To 0.117 %



4

Incident Energy (eV)

70-Yb-175

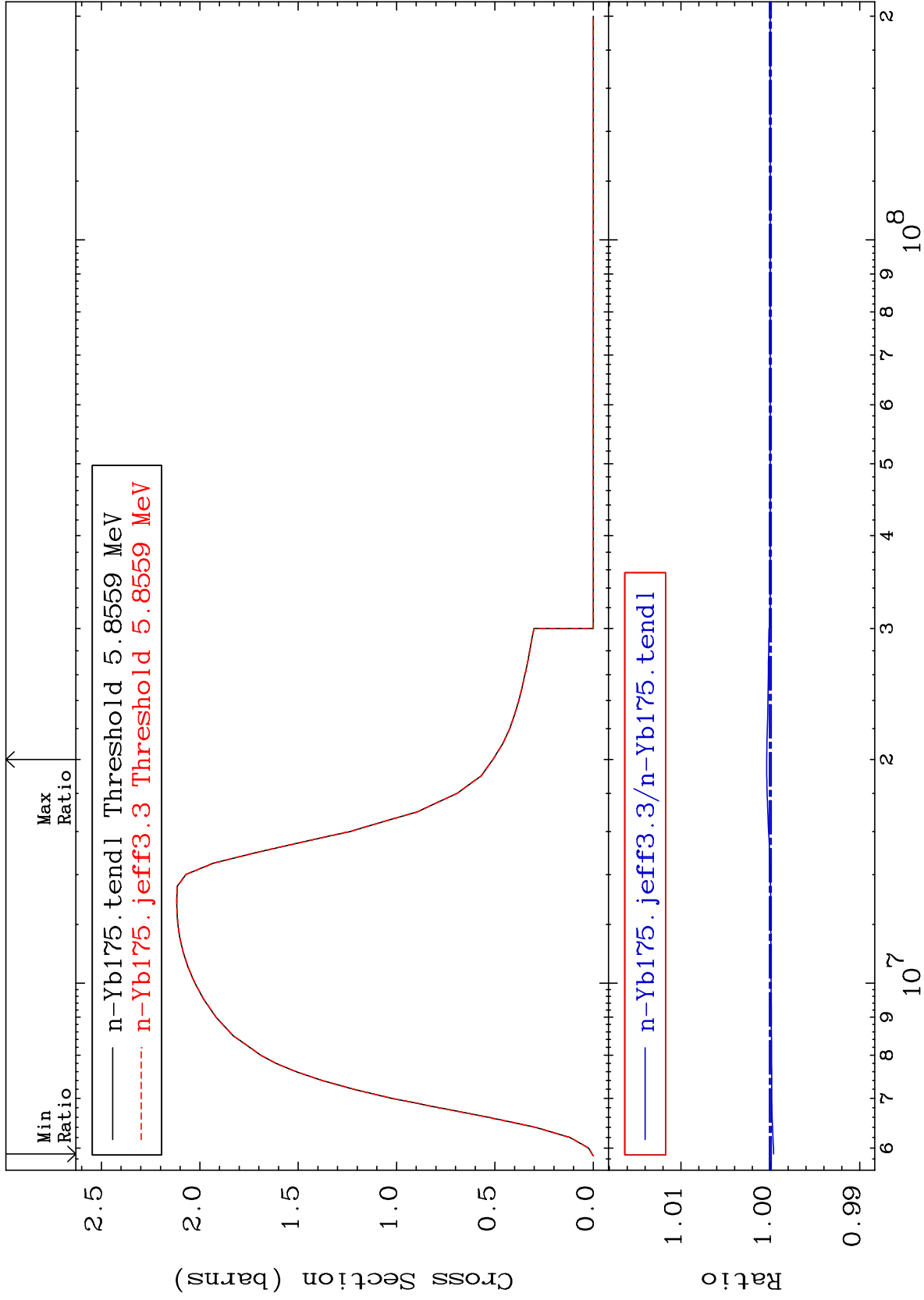
MAT 7046

(n,2n)

70-Yb-175

Cross Section

-0.037 To 0.040 %



5

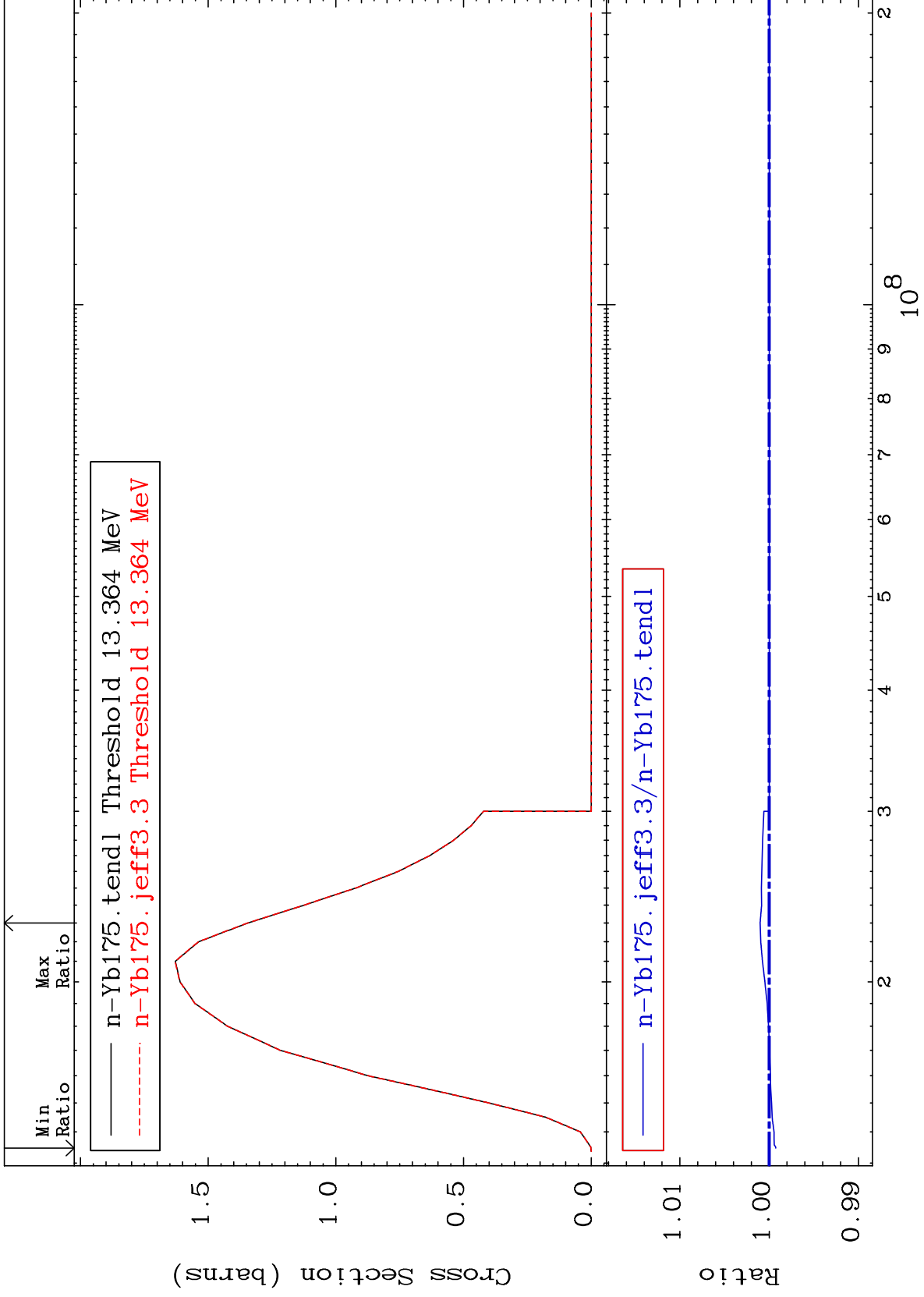
Incident Energy (eV)

70-Yb-175

MAT 7046

(n, 3n)
Cross Section

⁷⁰Yb-175
-0.074 To 0.102 %



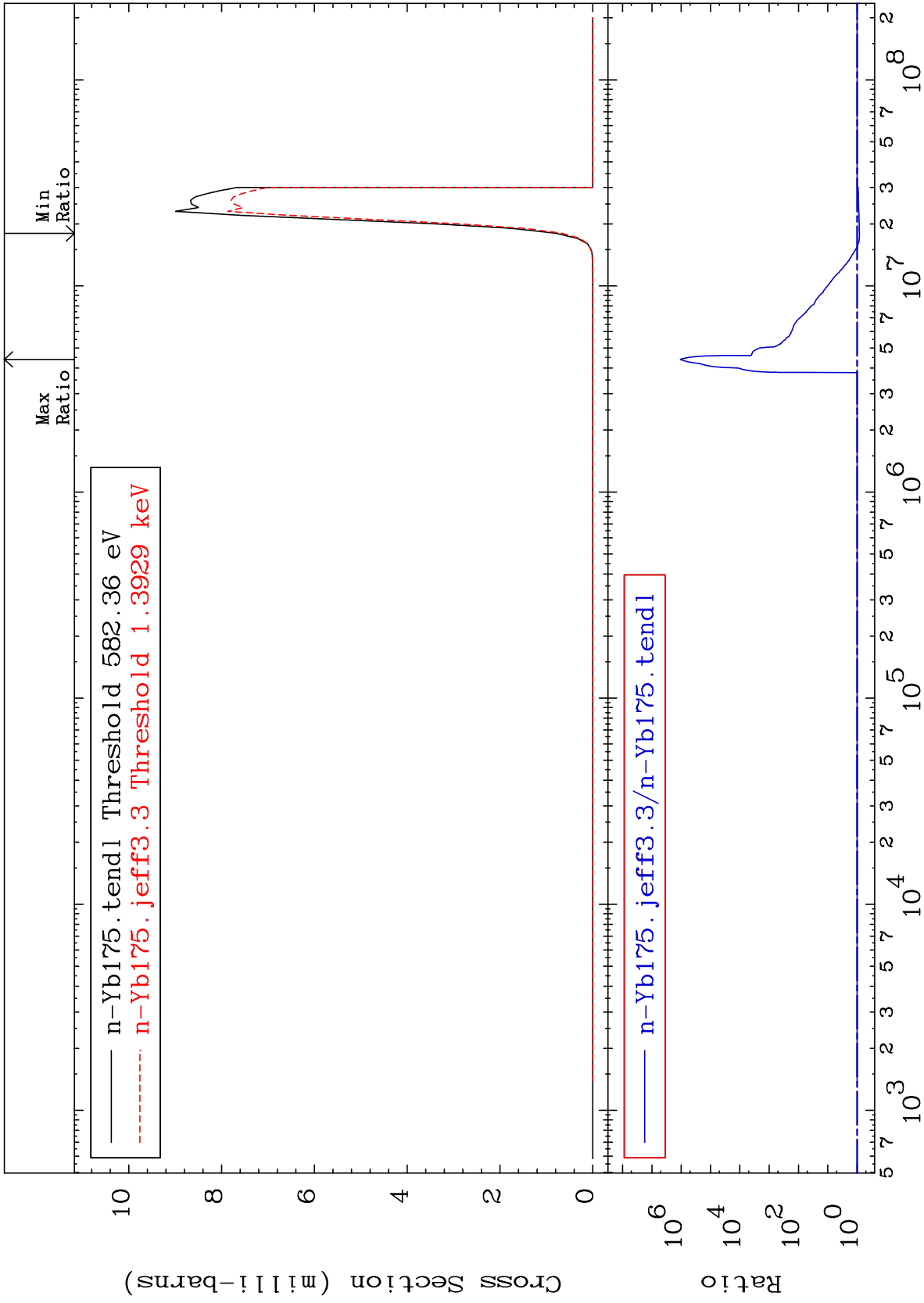
MAT 7046

(n, n') α

Cross Section

70-Yb-175

-16.79 To 9999. %



7

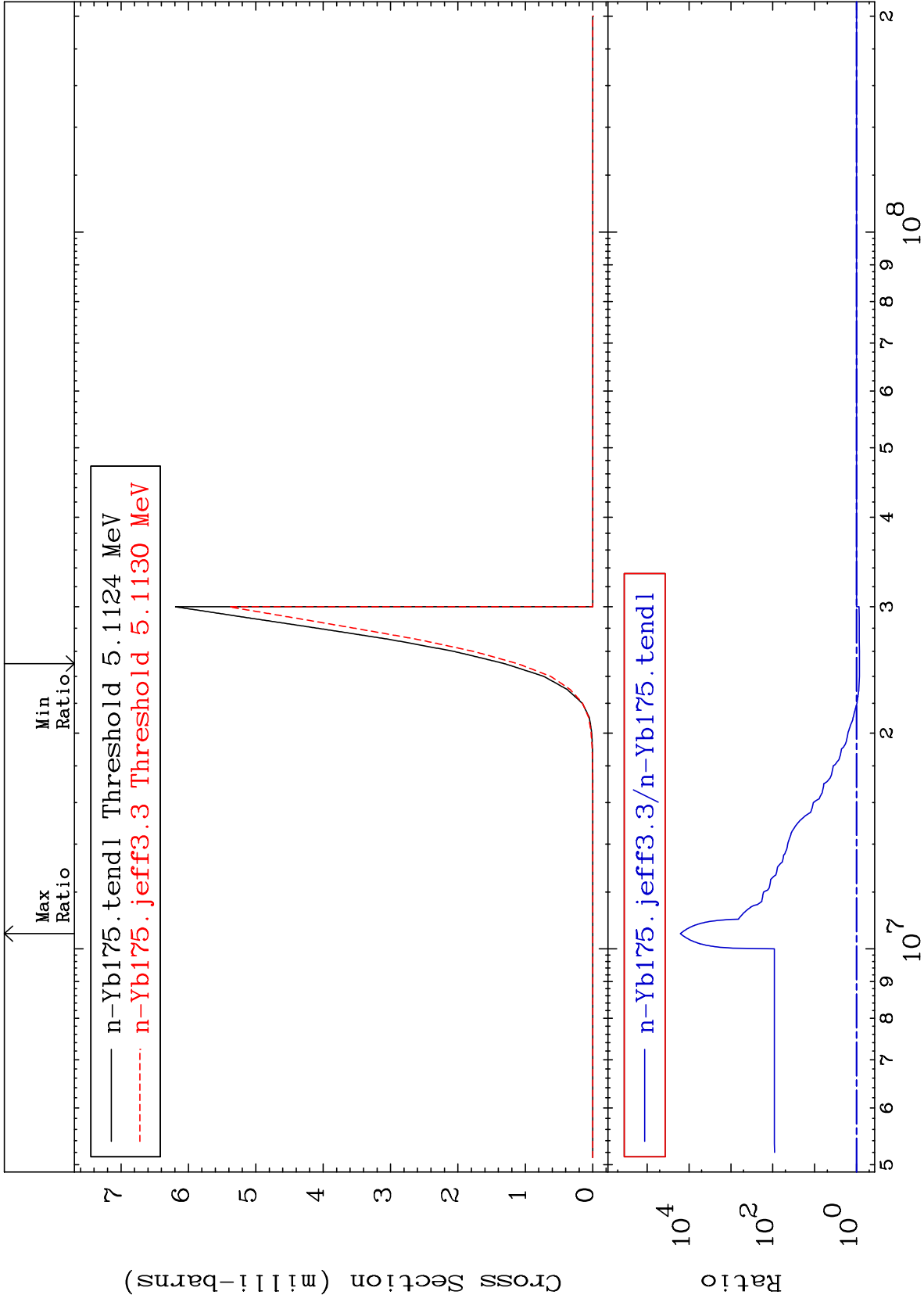
Incident Energy (eV)

70-Yb-175

MAT 7046

(n,2n) α
Cross Section

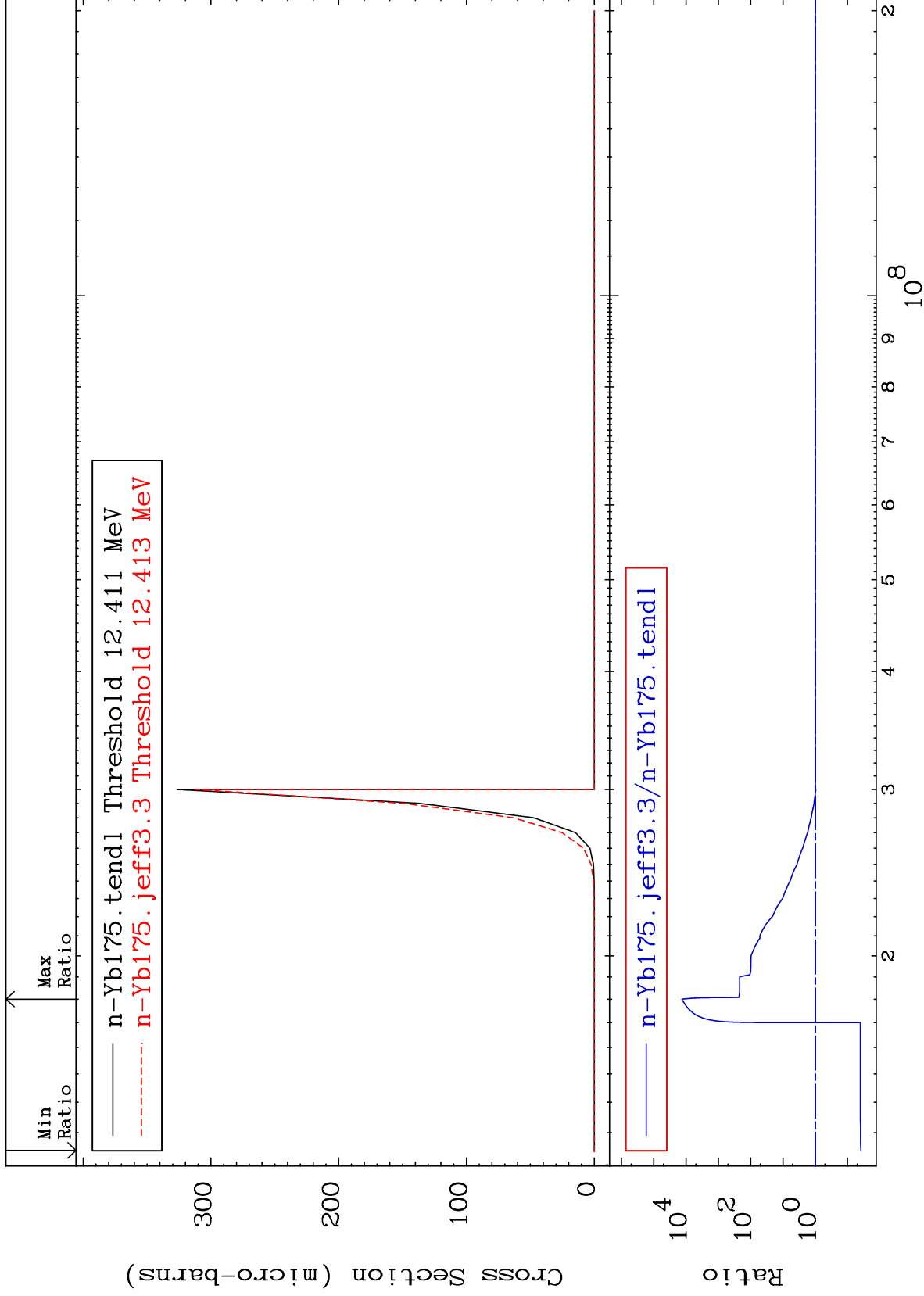
70-Yb-175
-14.64 To 9999. %



MAT 7046

(n,3n) α
Cross Section

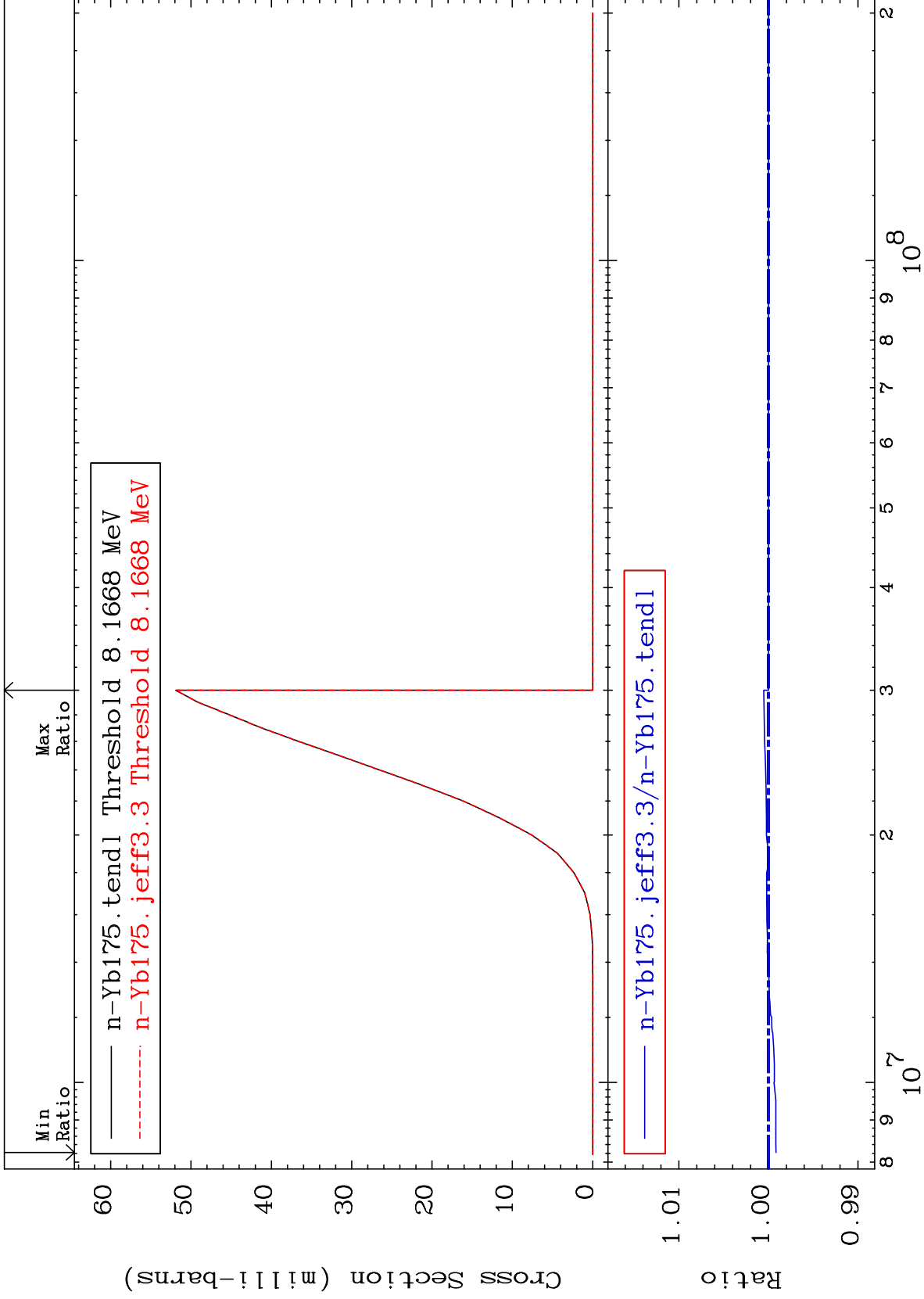
70-Yb-175
-96.17 To 9999. %



MAT 7046

(n,n') p
Cross Section

70-Yb-175
-0.085 To 0.052 %



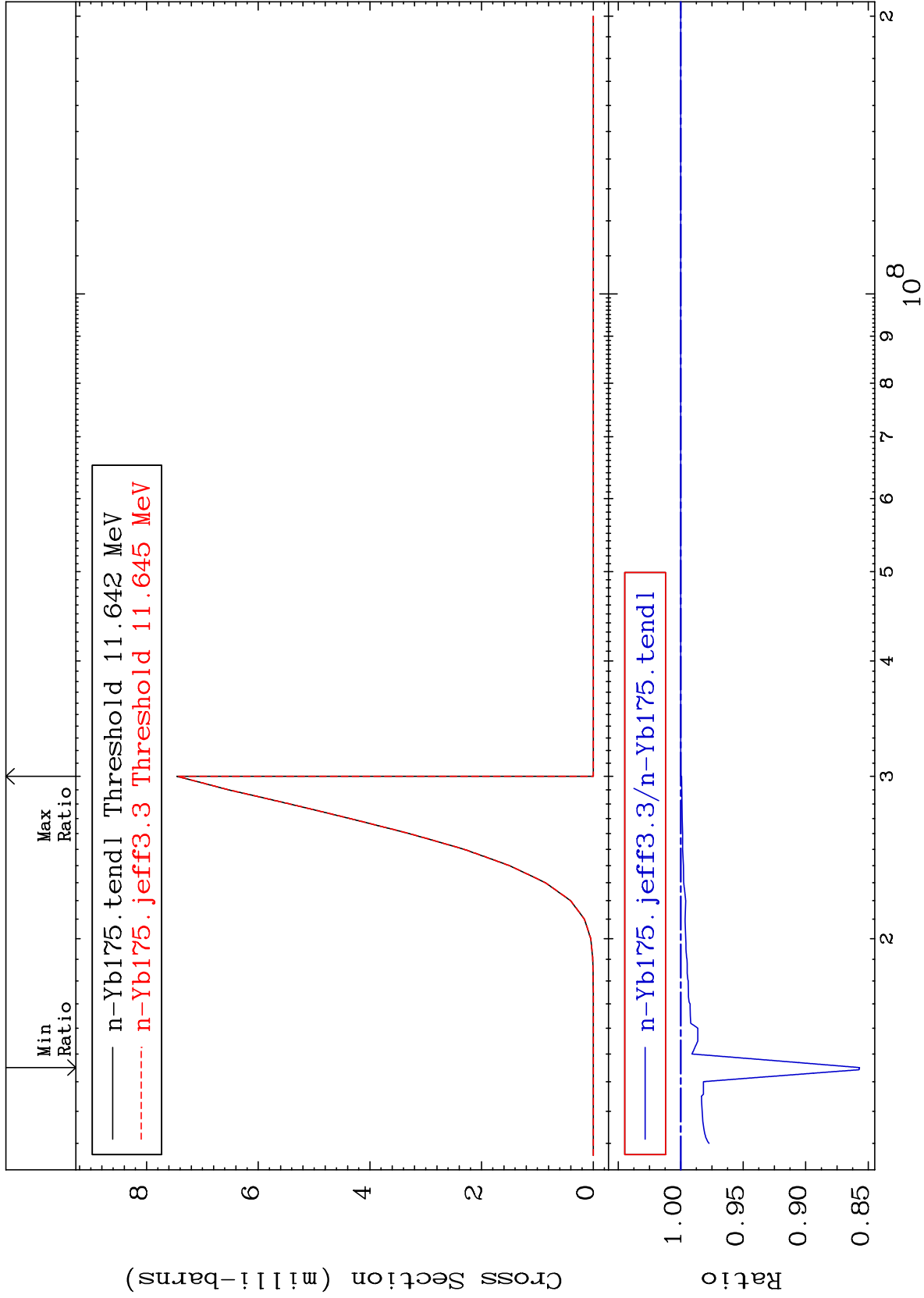
MAT 7046

(n, n') d

70-Yb-175

Cross Section

-14.31 To 0.000 %



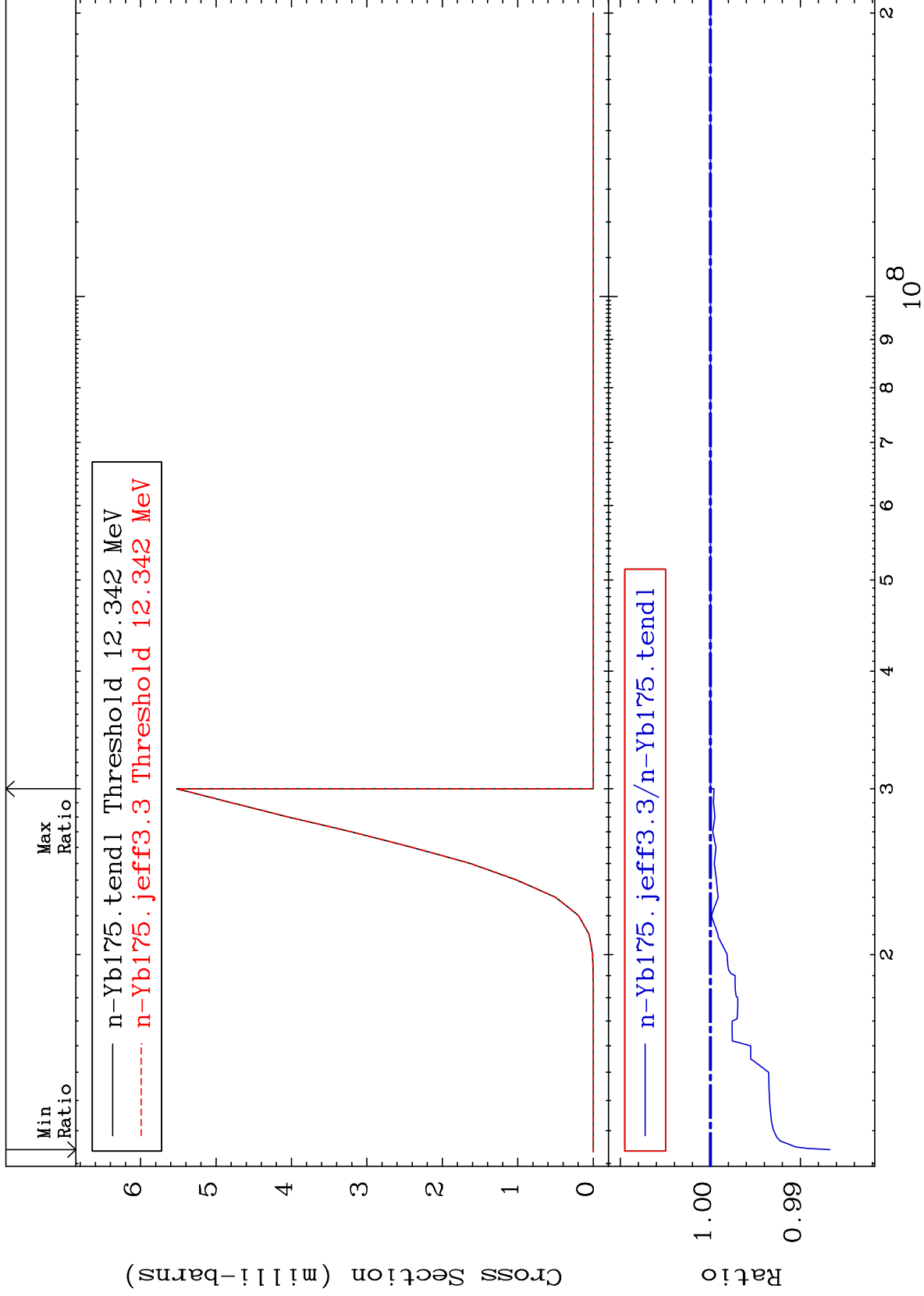
MAT 7046

(n,n') t

70-Yb-175

Cross Section

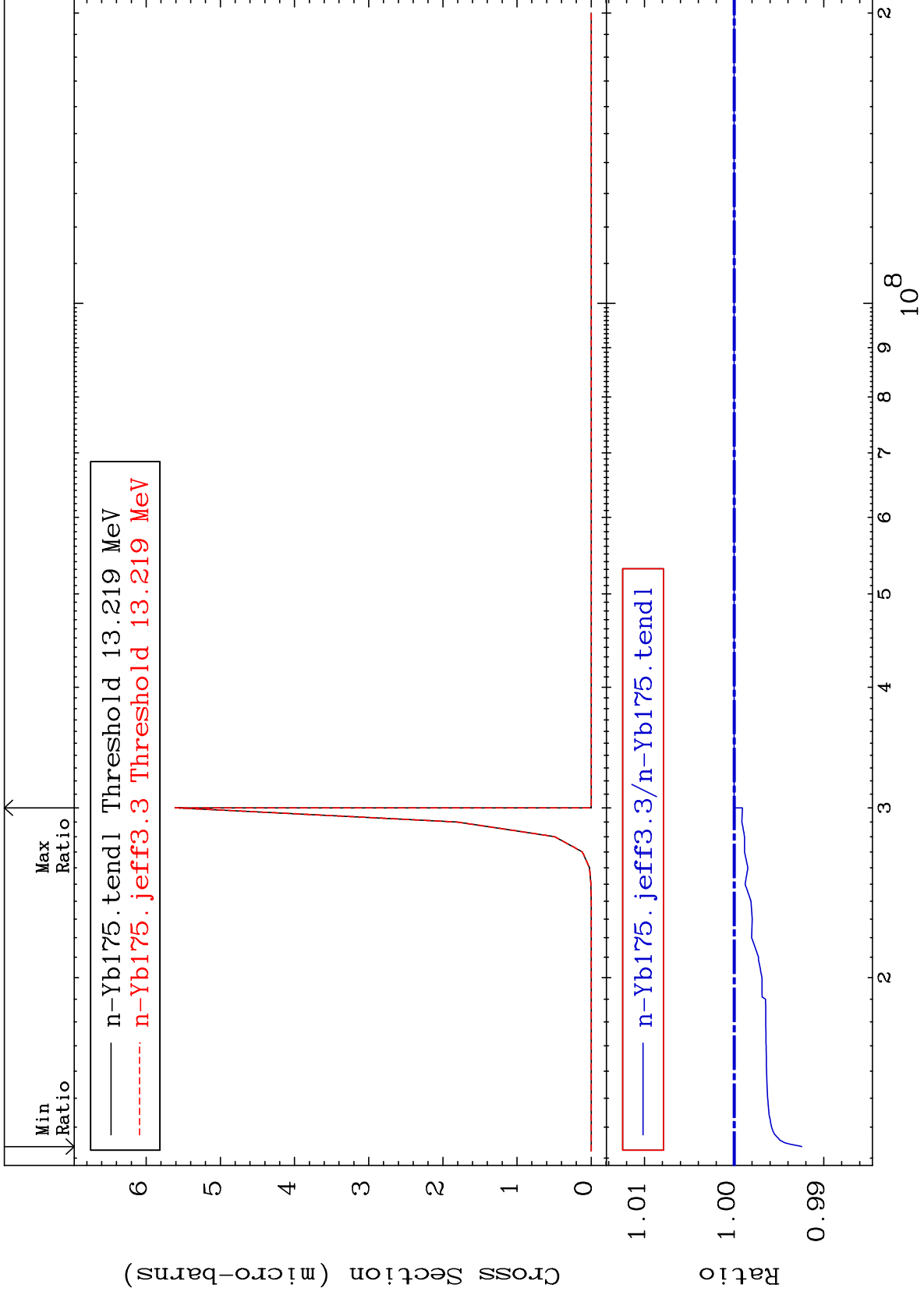
-1.328 To 0.000 %



MAT 7046

(n, n') He-3
Cross Section

70-Yb-175
-0.753 To 0.000 %



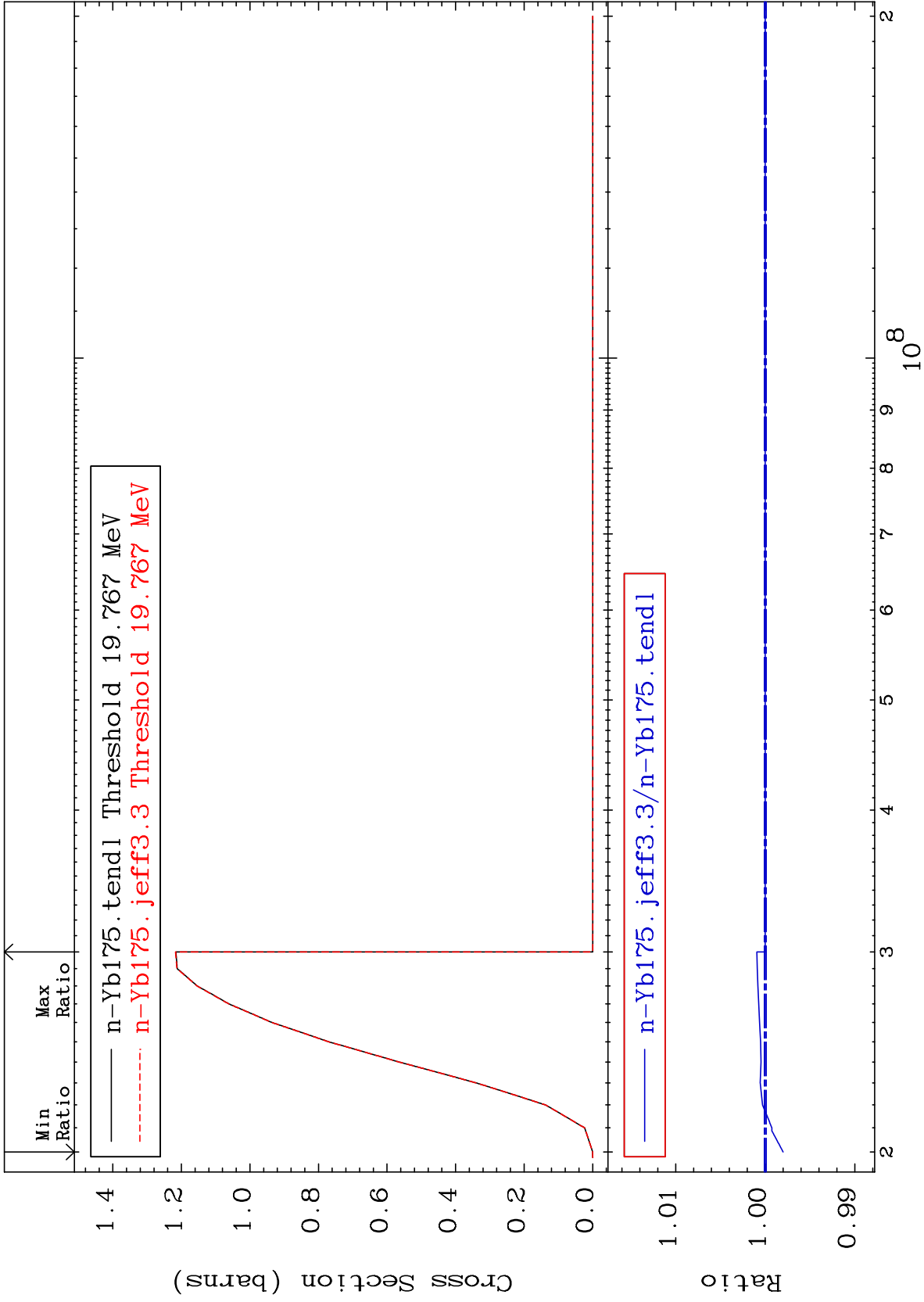
MAT 7046

(n,4n)

70-Yb-175

Cross Section

-0.199 To 0.095 %



14

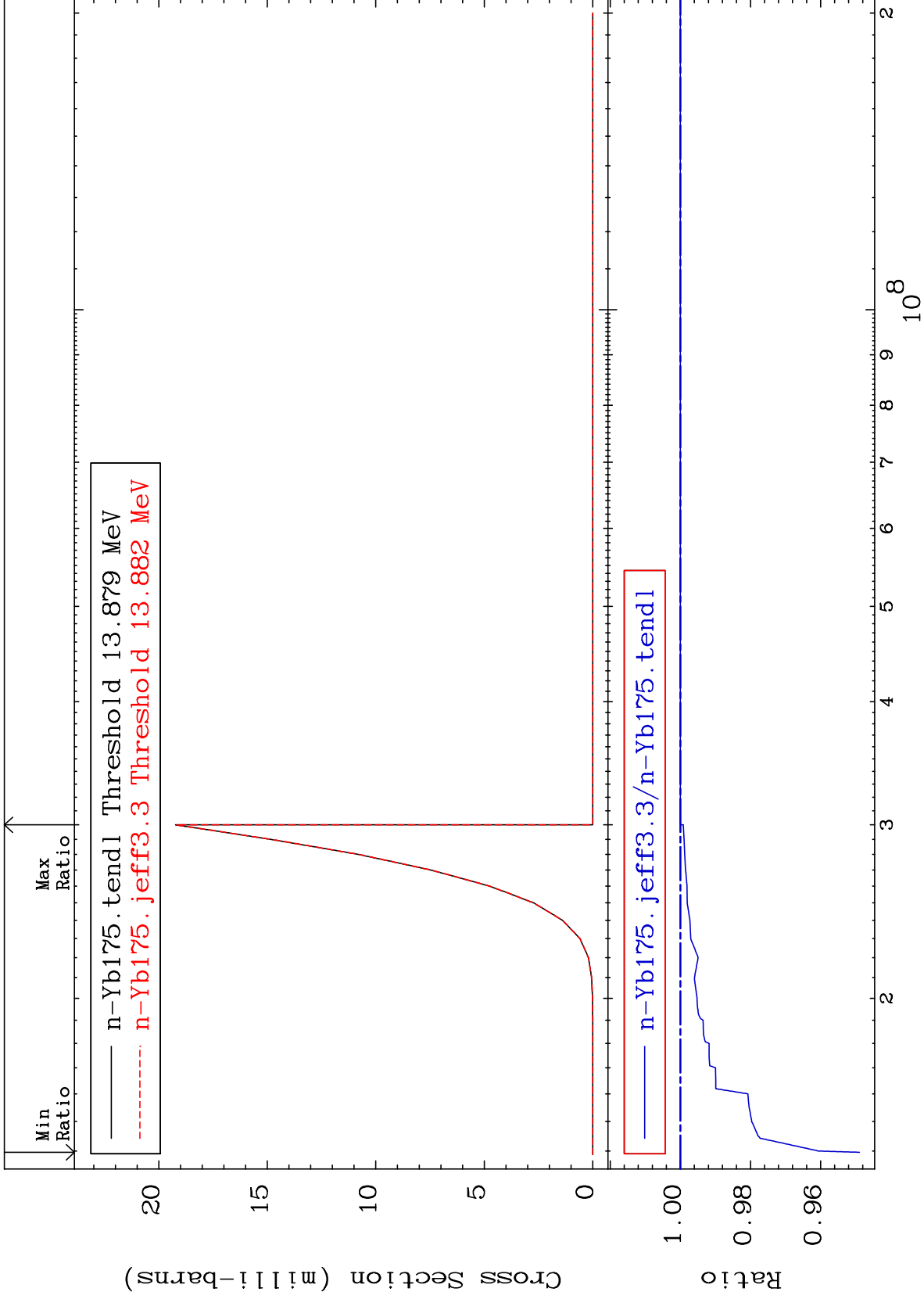
Incident Energy (eV)

70-Yb-175

MAT 7046

(n,2n) p
Cross Section

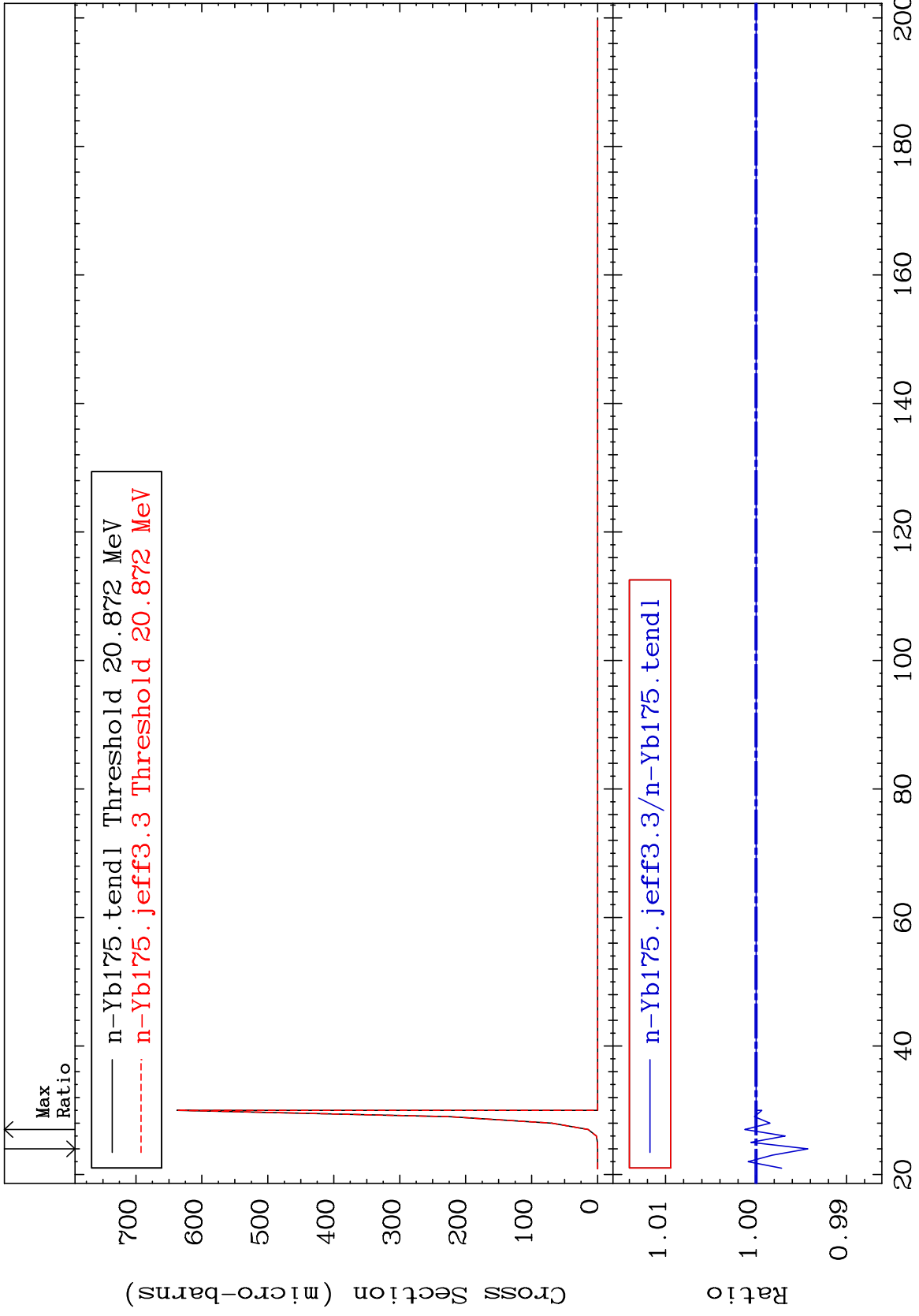
70-Yb-175
-5.106 To 0.000 %



MAT 7046

(n,3n) p
Cross Section

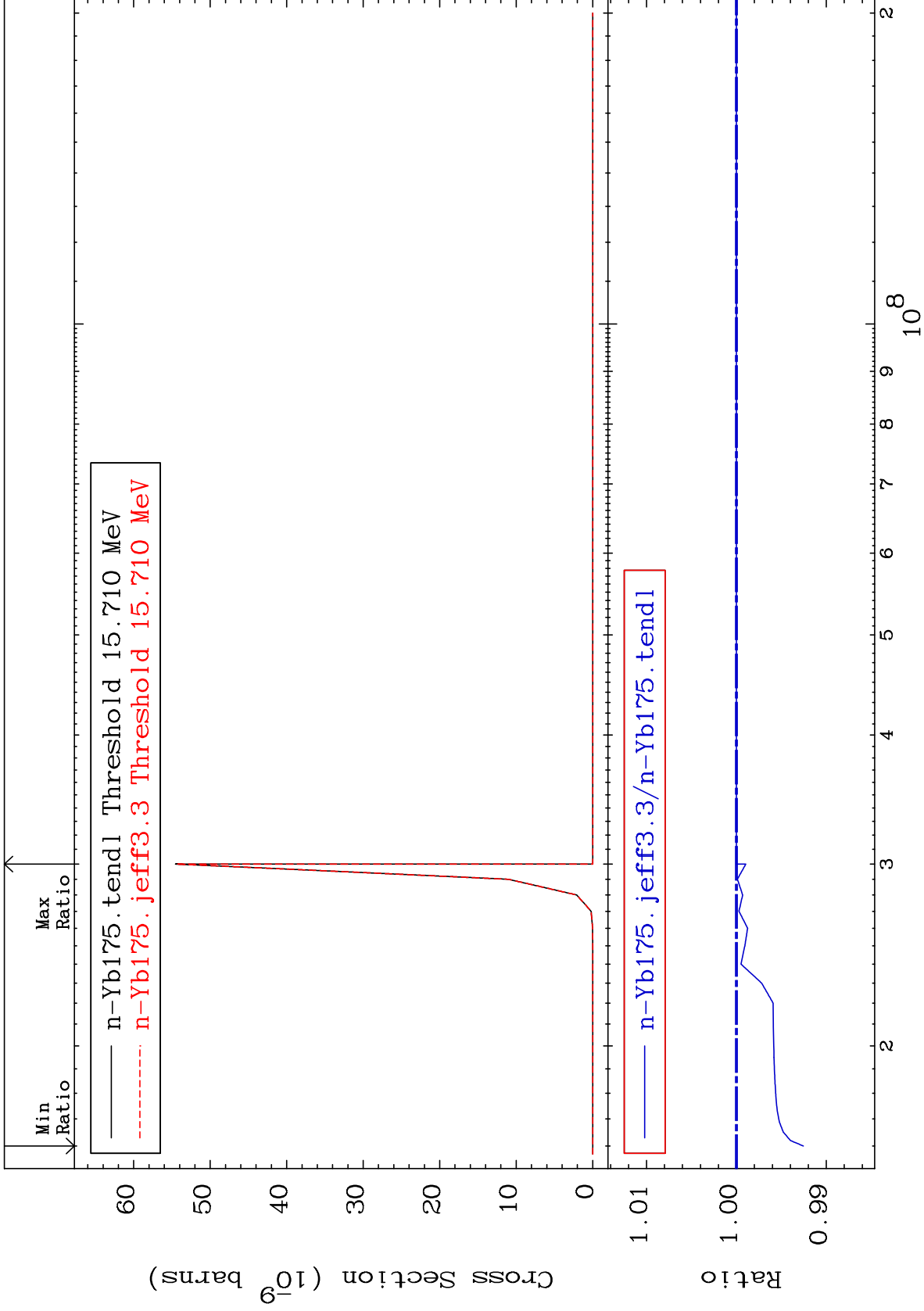
70-Yb-175
-0.571 To 0.126 %



MAT 7046

(n,2n) p
Cross Section

70-Yb-175
-0.745 To 0.000 %



17

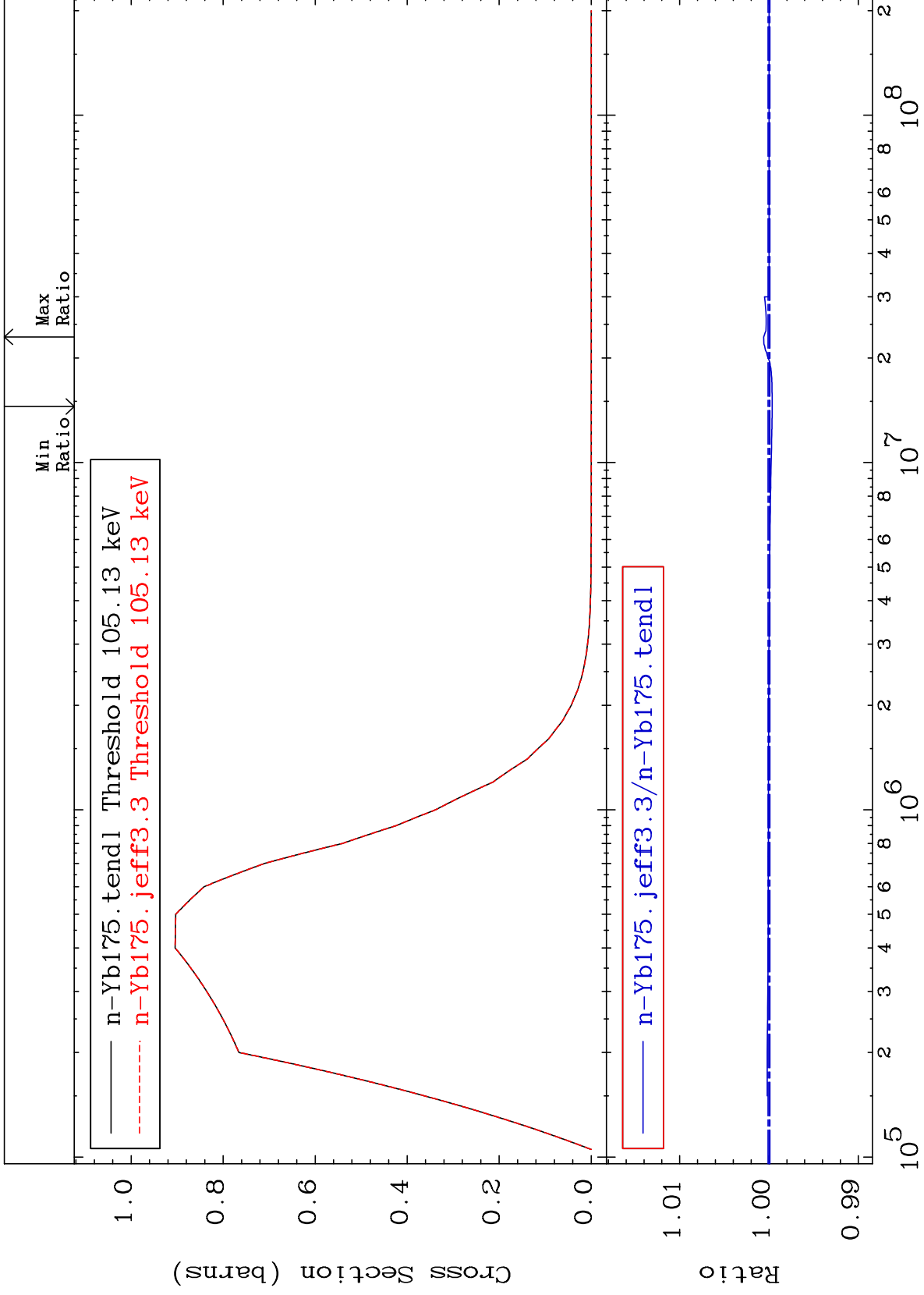
Incident Energy (eV)

70-Yb-175

MAT 7046

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

70-Yb-175
-0.036 To 0.059 %



18

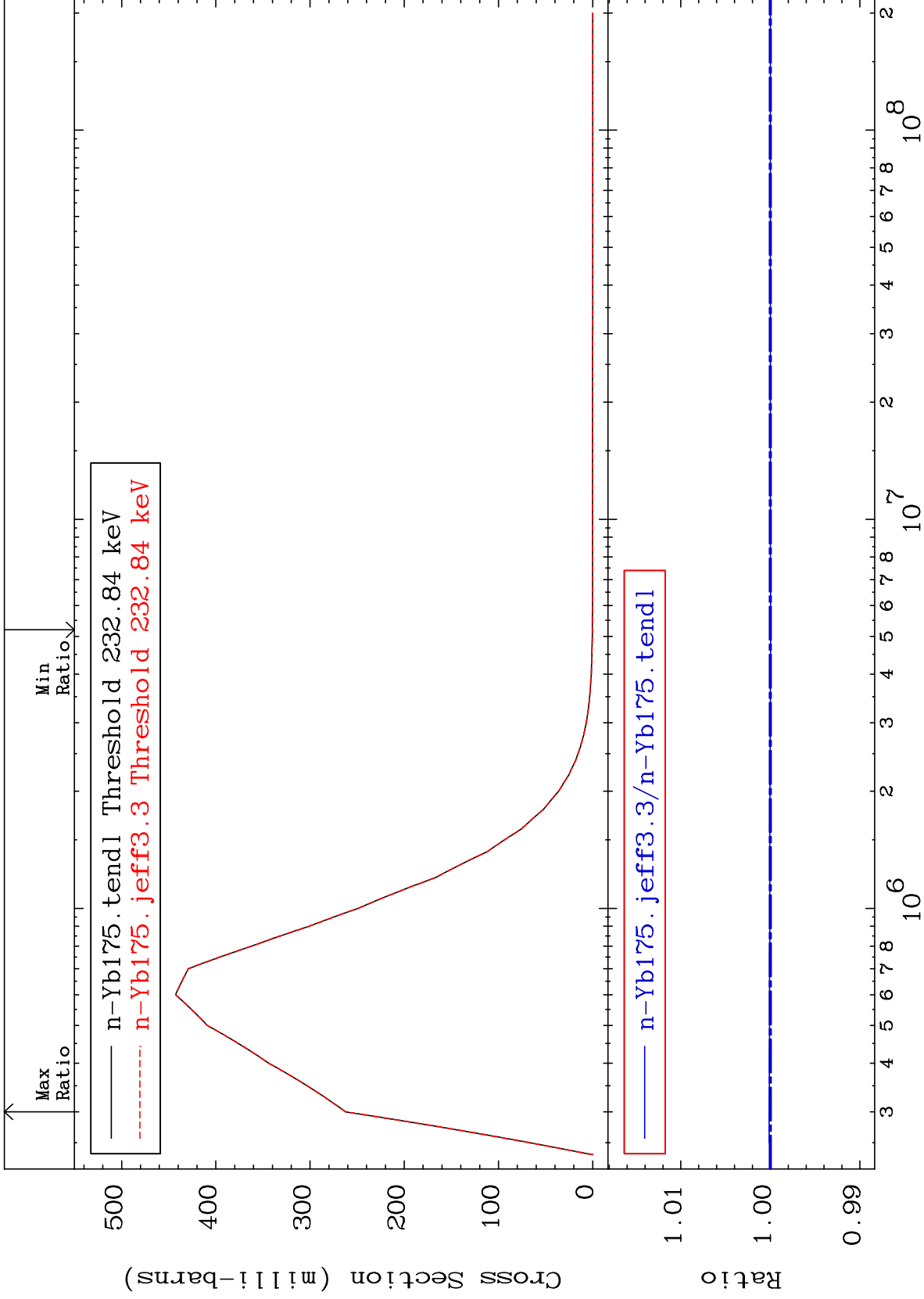
Incident Energy (eV)

70-Yb-175

MAT 7046

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

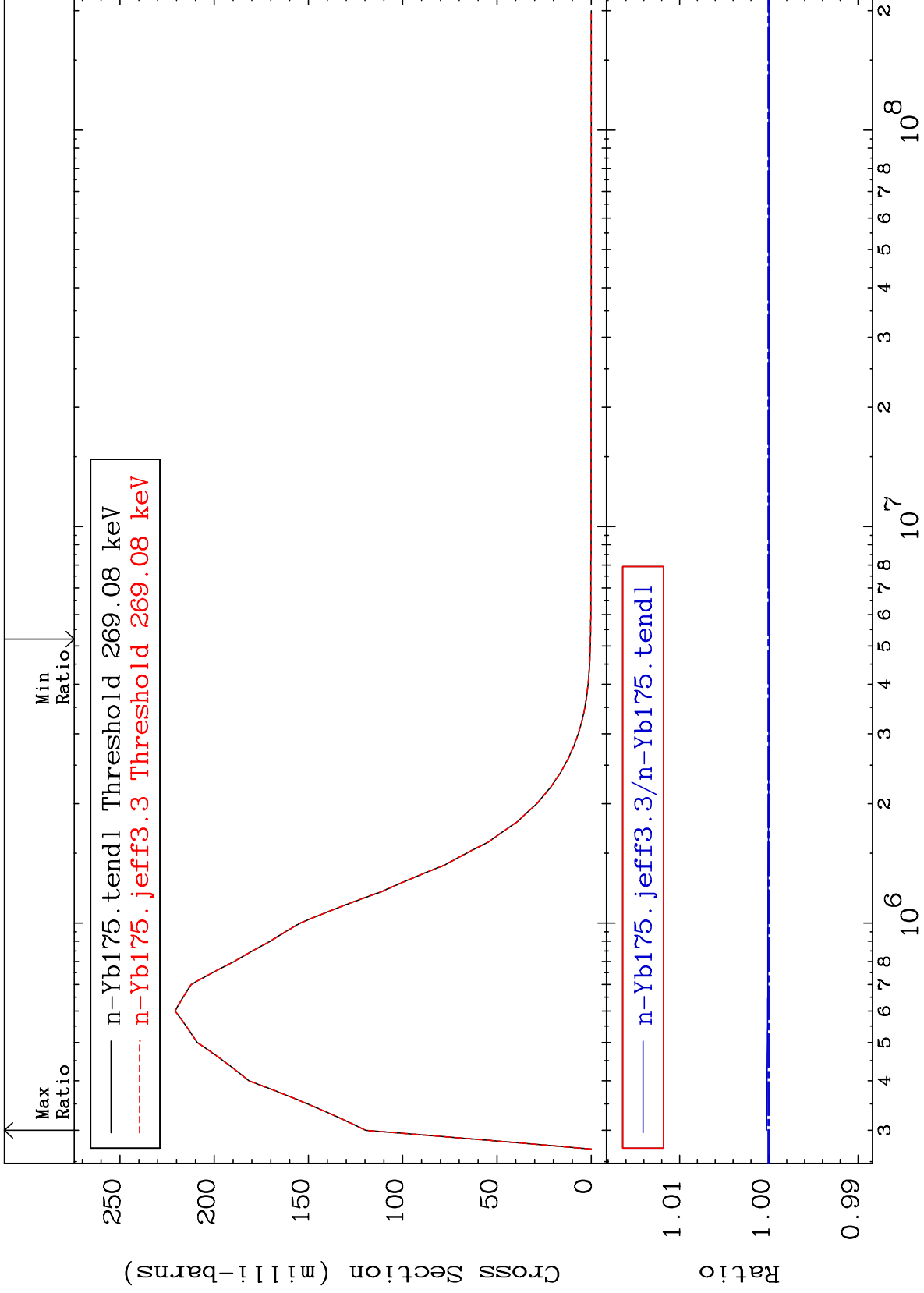
70-Yb-175
-0.004 To 0.014 %



MAT 7046

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

70-Yb-175
-0.005 To 0.025 %



20

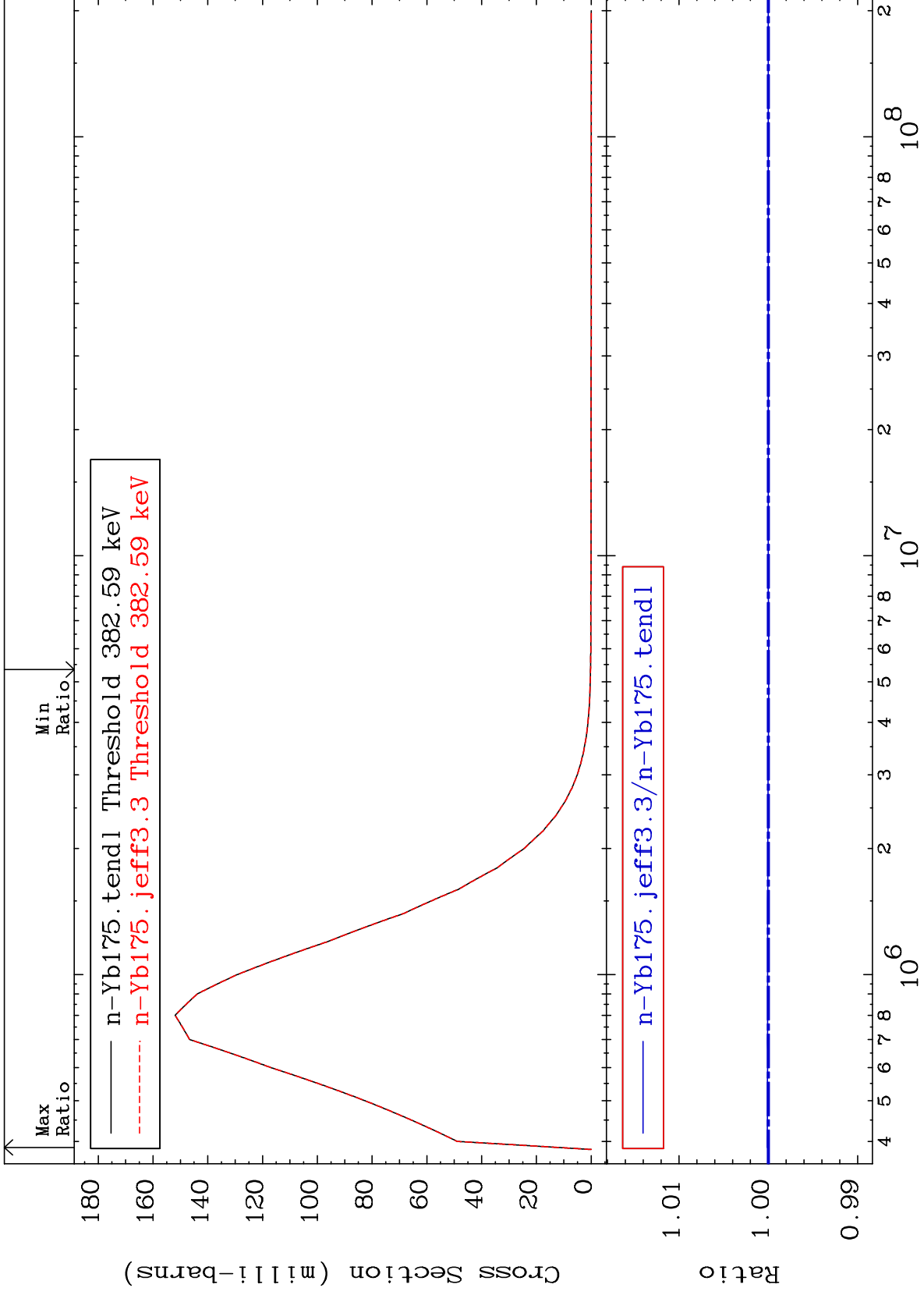
Incident Energy (eV)

70-Yb-175

MAT 7046

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

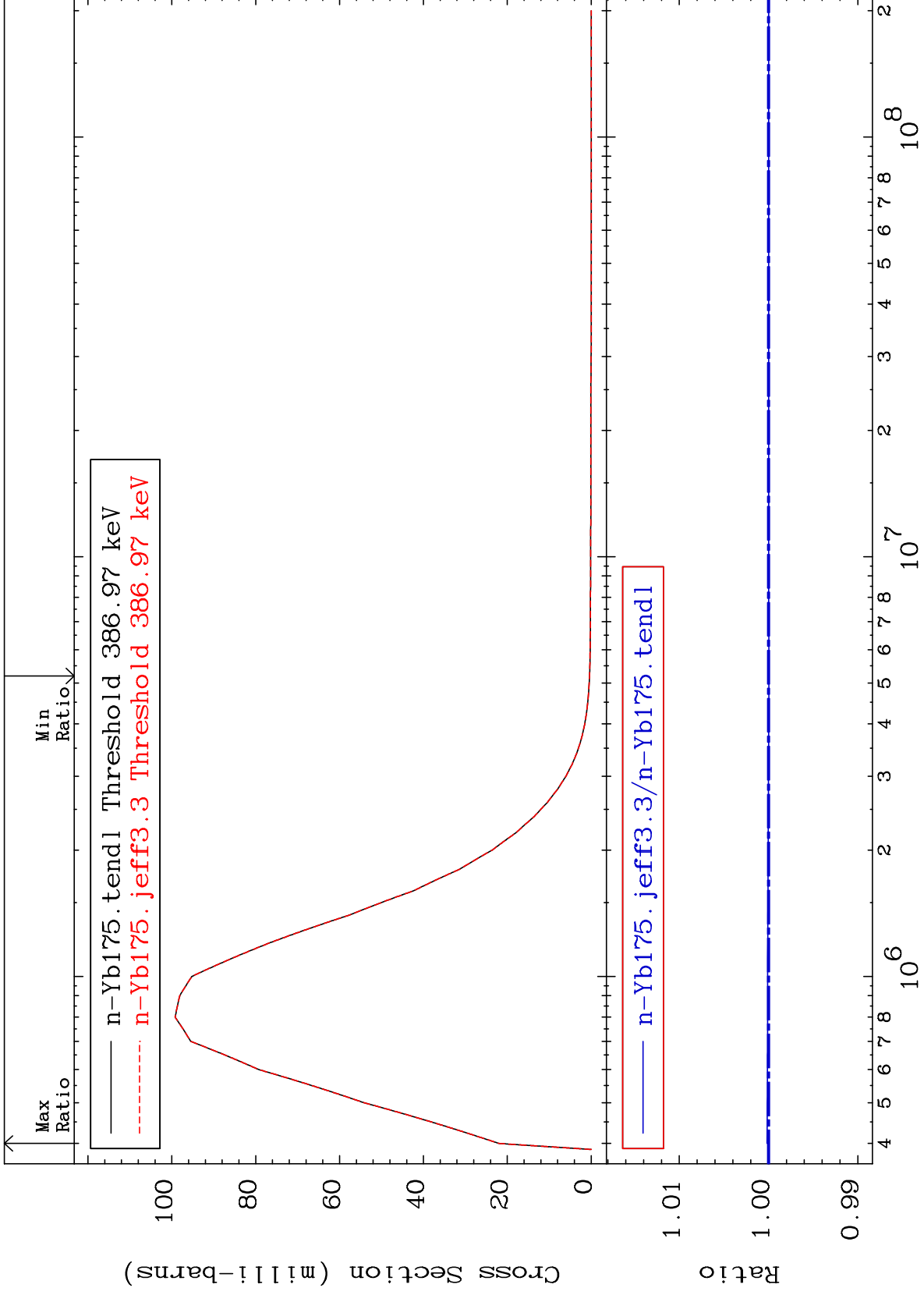
70-Yb-175
-0.005 To 0.013 %



MAT 7046

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

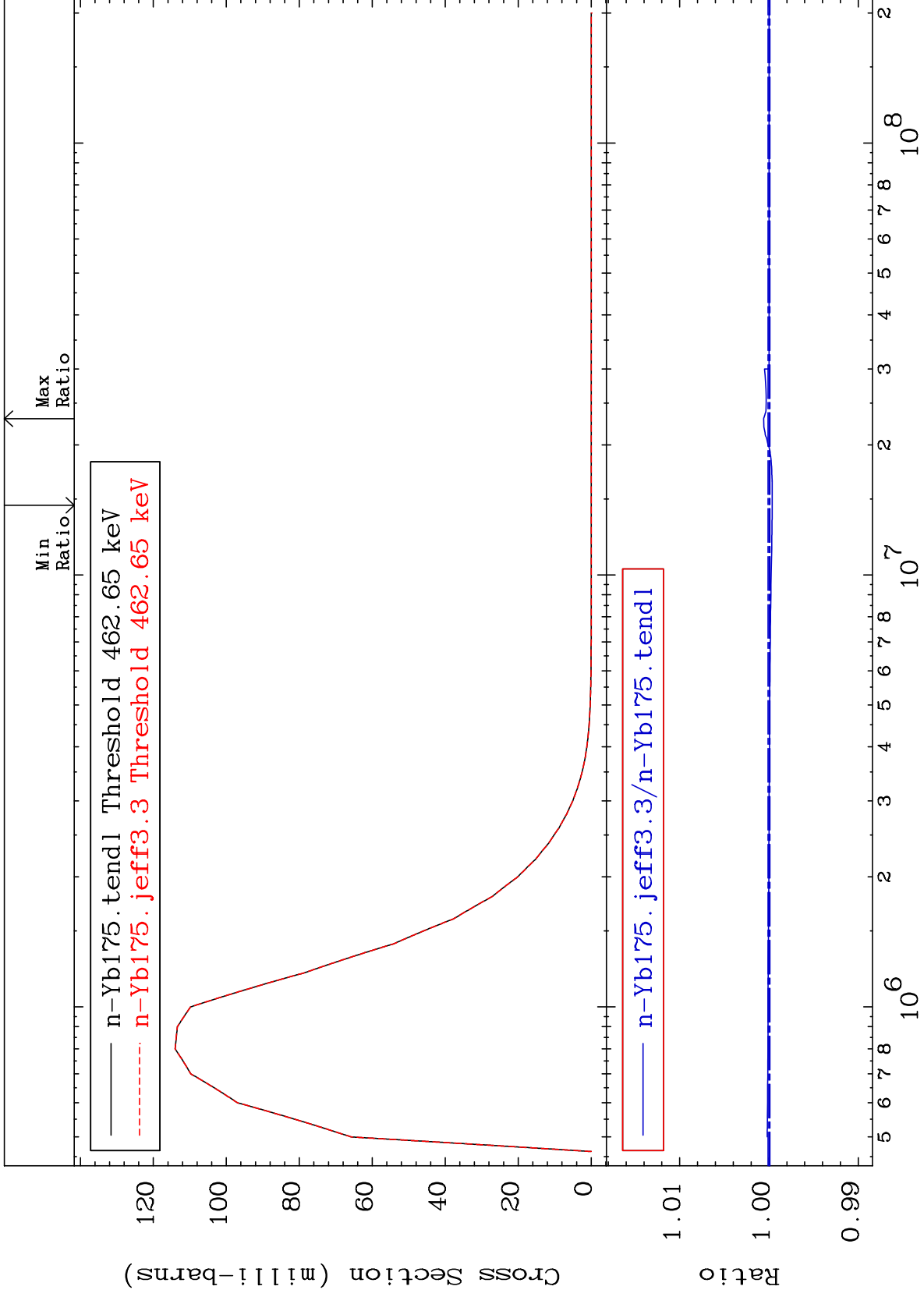
70-Yb-175
-0.004 To 0.019 %



MAT 7046

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

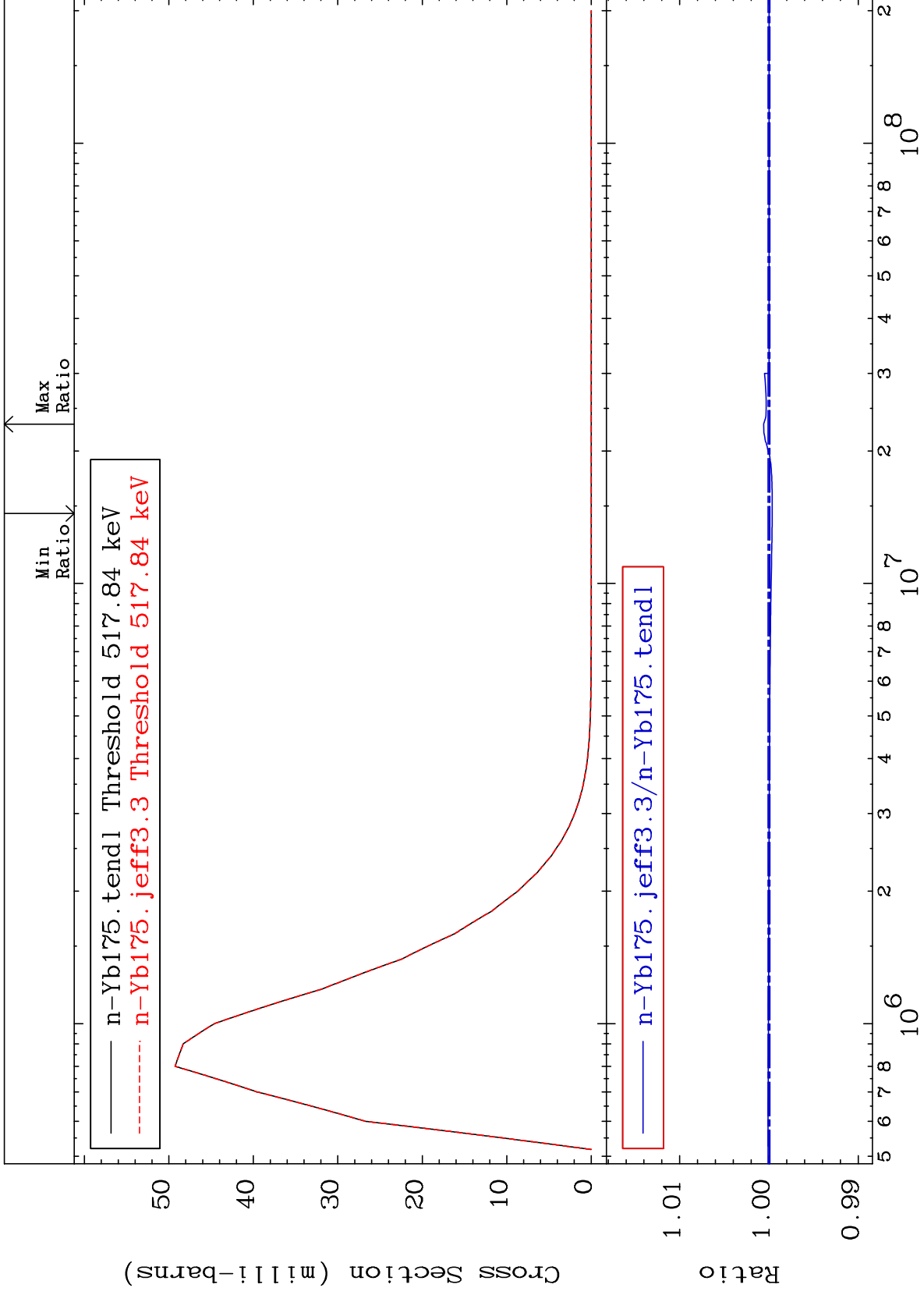
70-Yb-175
-0.036 To 0.060 %



MAT 7046

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

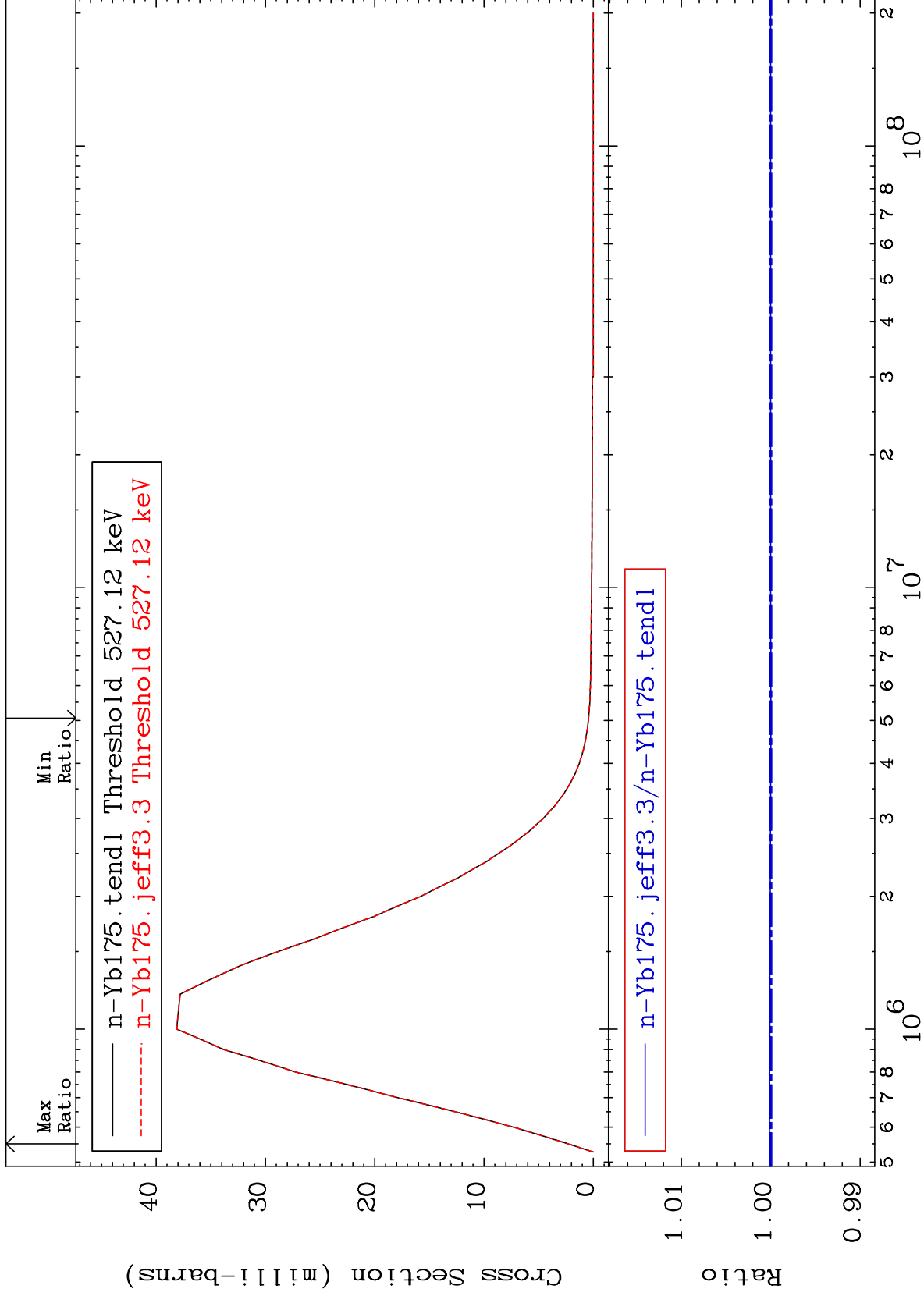
70-Yb-175
-0.037 To 0.059 %



MAT 7046

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

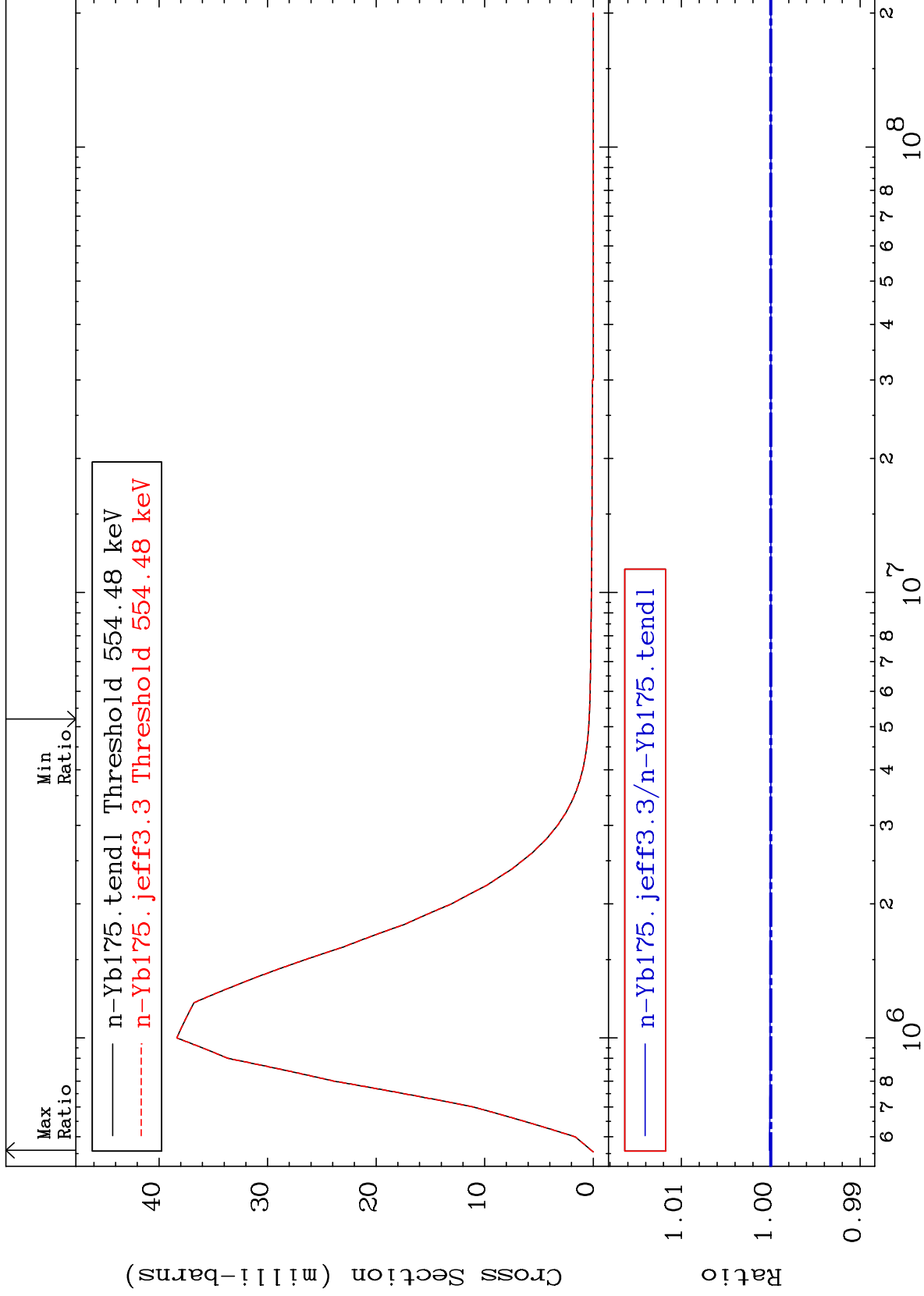
70-Yb-175
-0.003 To 0.016 %



MAT 7046

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

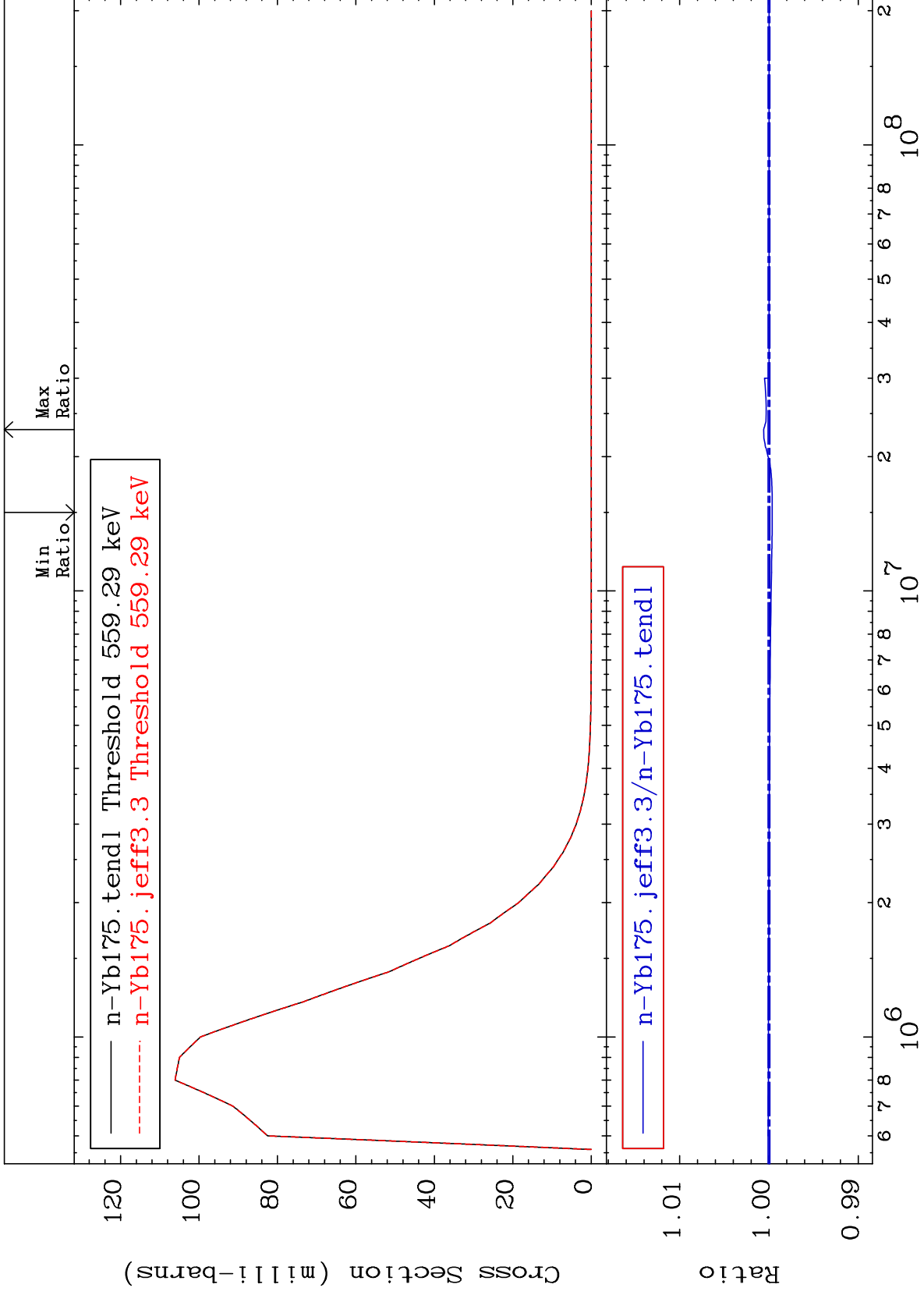
70-Yb-175
-0.002 To 0.017 %



MAT 7046

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

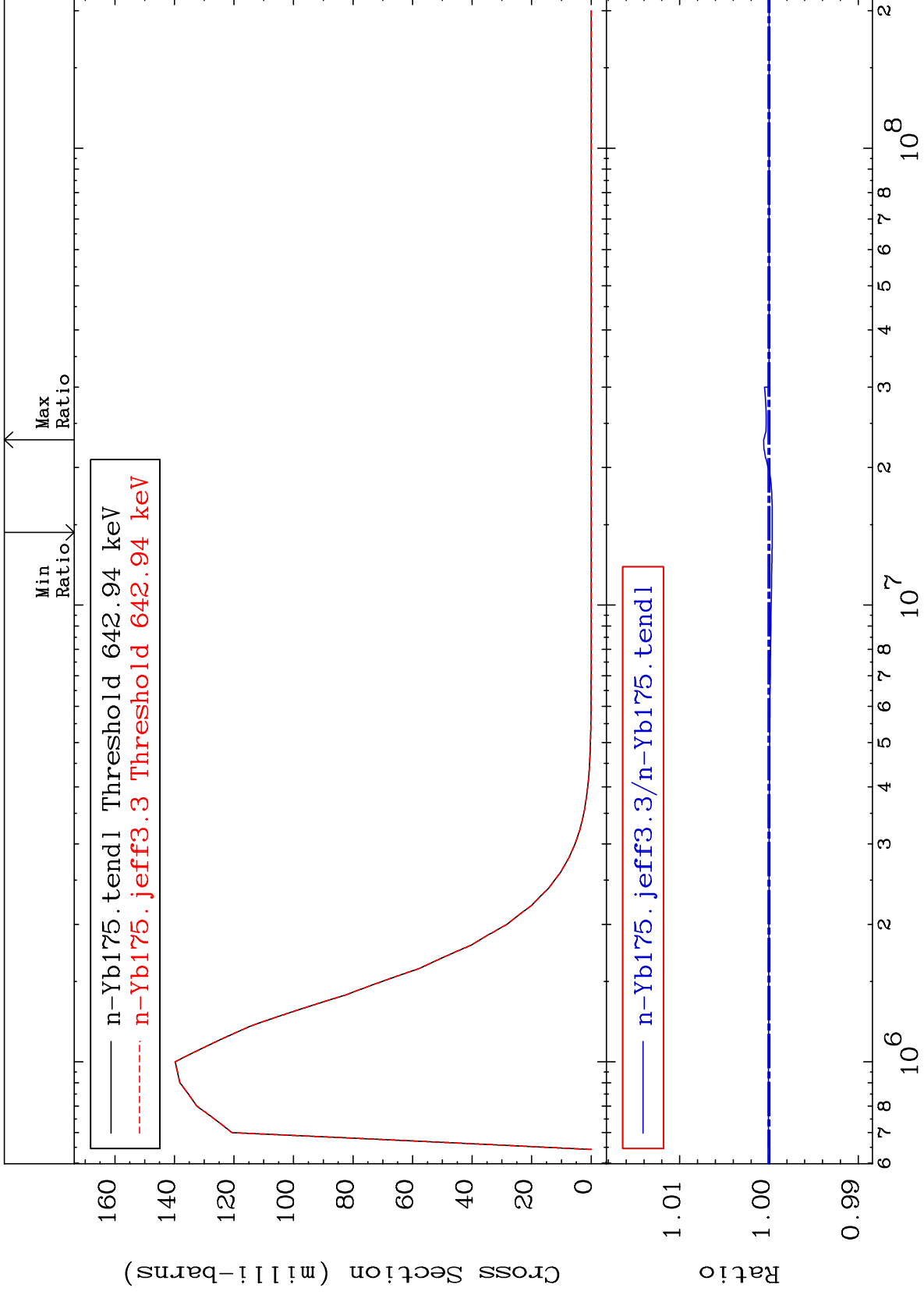
70-Yb-175
-0.036 To 0.060 %



MAT 7046

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

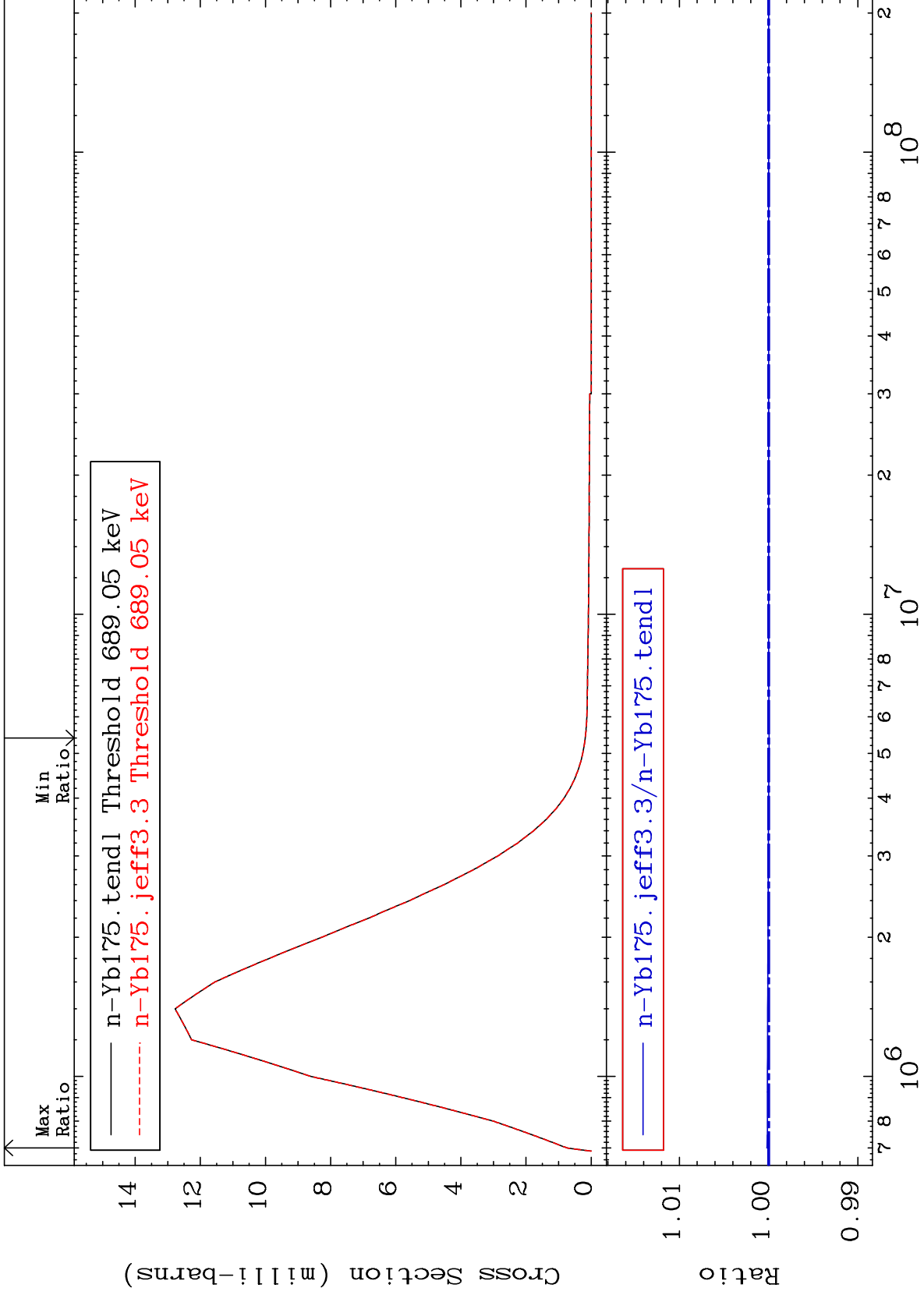
70-Yb-175
-0.036 To 0.060 %



MAT 7046

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

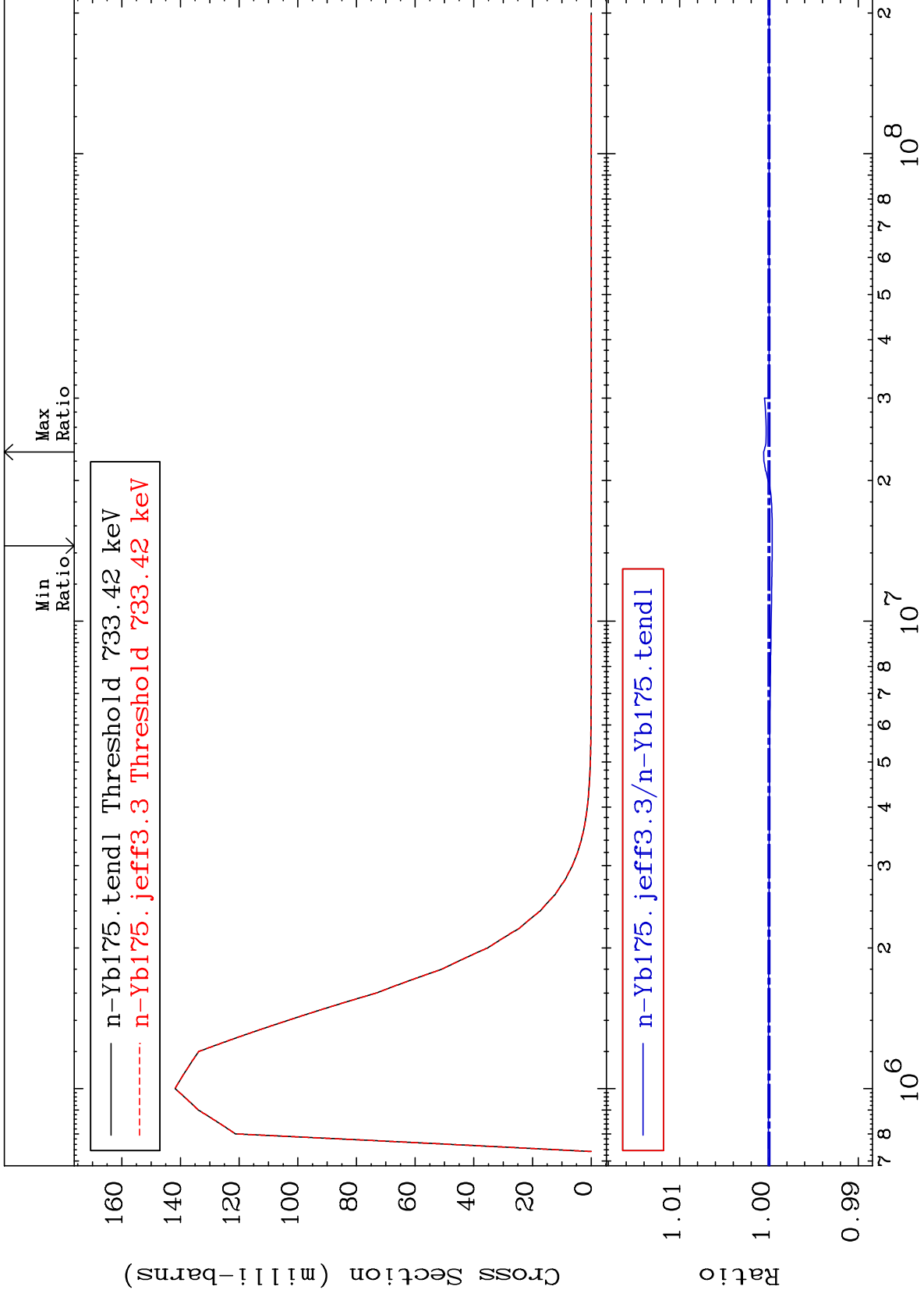
70-Yb-175
-0.004 To 0.020 %



MAT 7046

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

70-Yb-175
-0.036 To 0.060 %



30

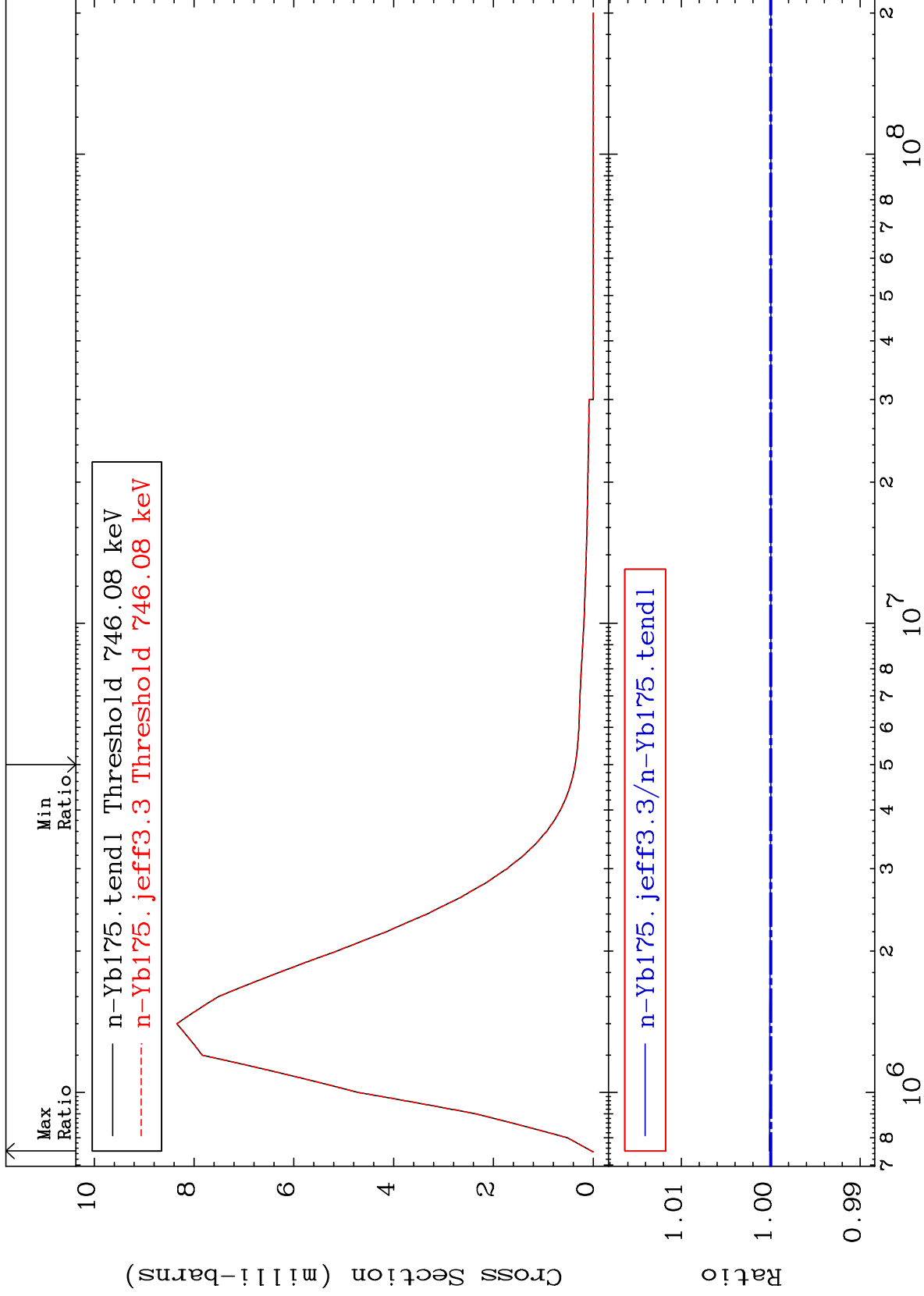
Incident Energy (eV)

70-Yb-175

MAT 7046

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

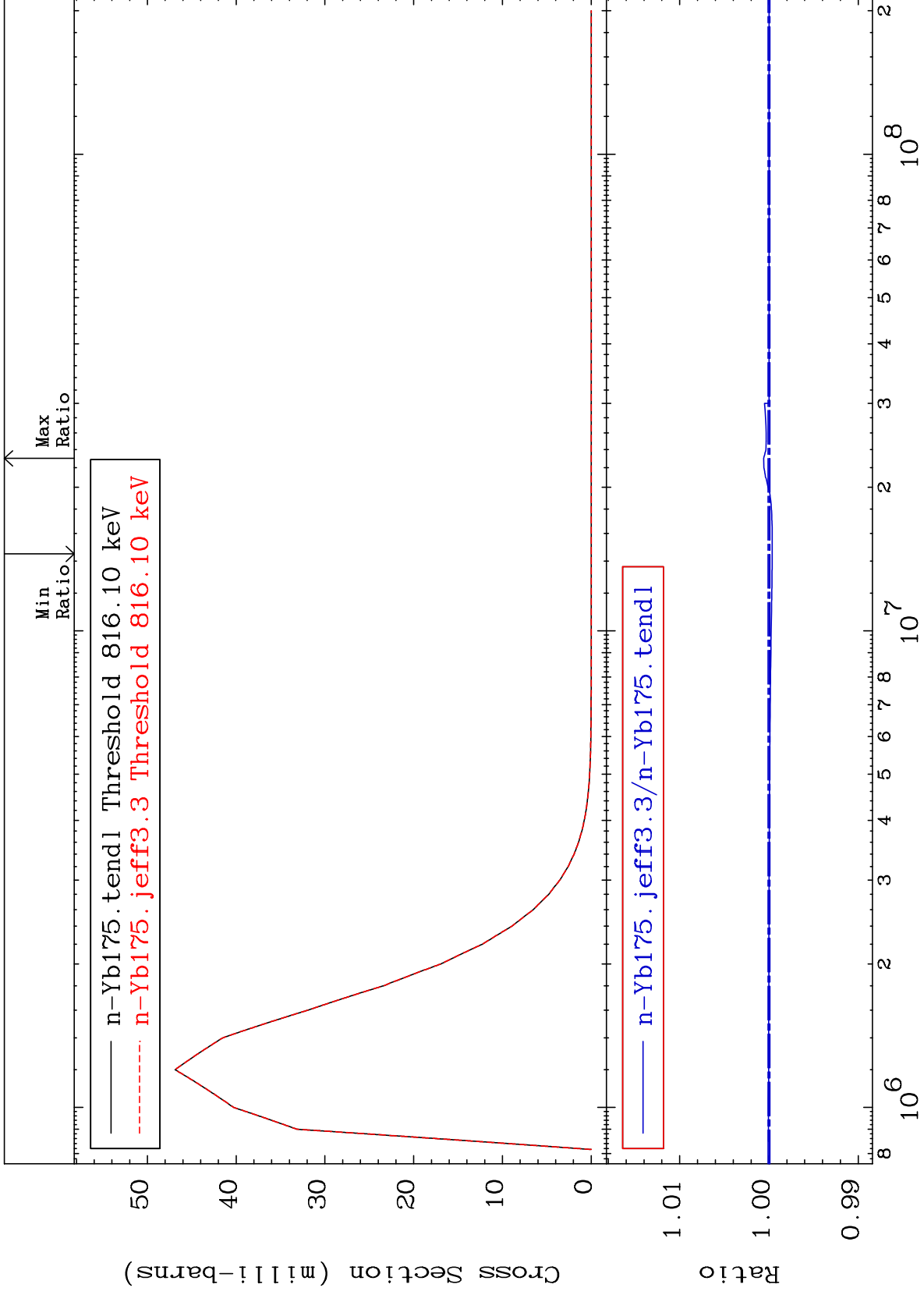
70-Yb-175
-0.002 To 0.015 %



MAT 7046

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

70-Yb-175
-0.036 To 0.060 %



32

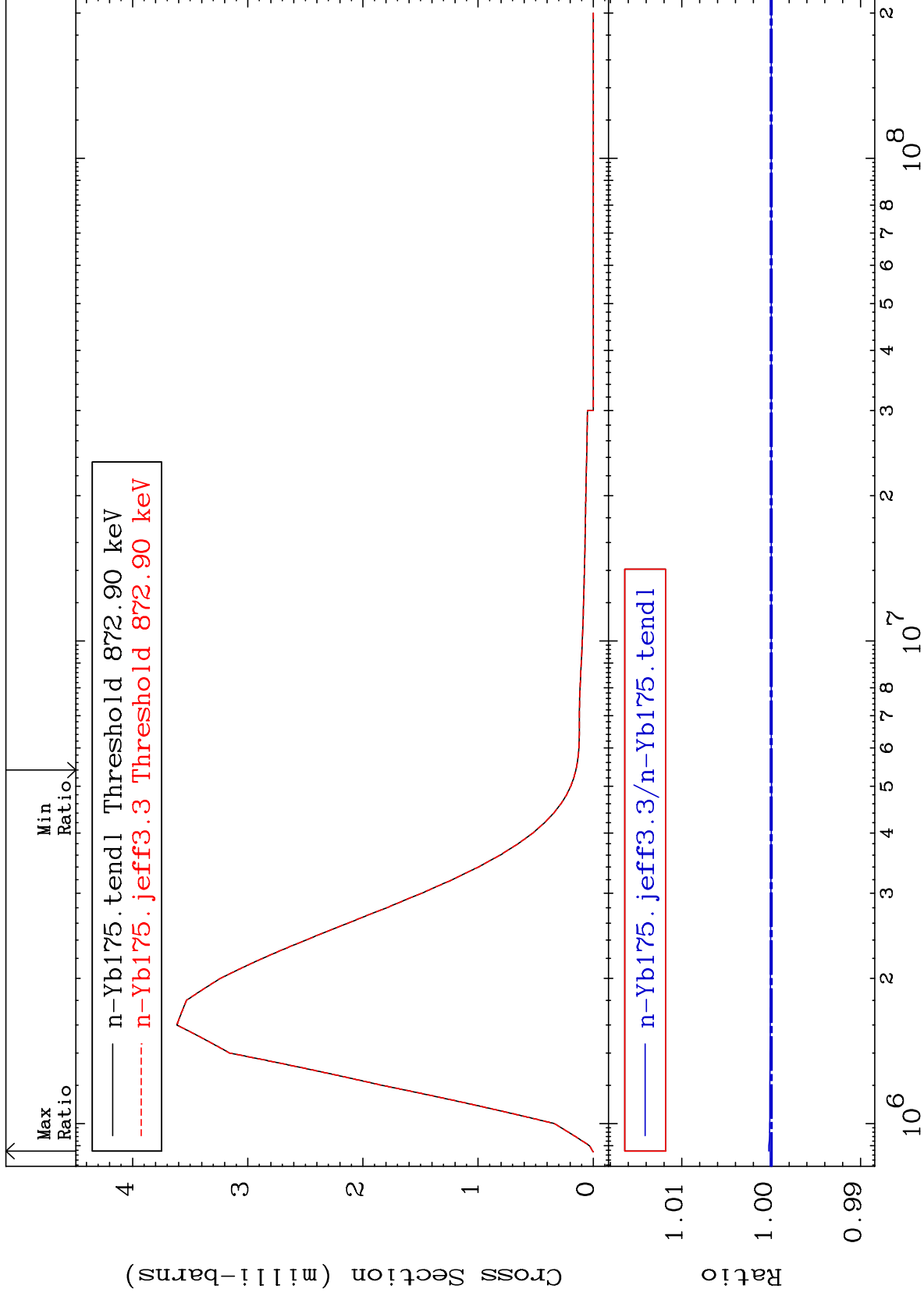
Incident Energy (eV)

70-Yb-175

MAT 7046

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

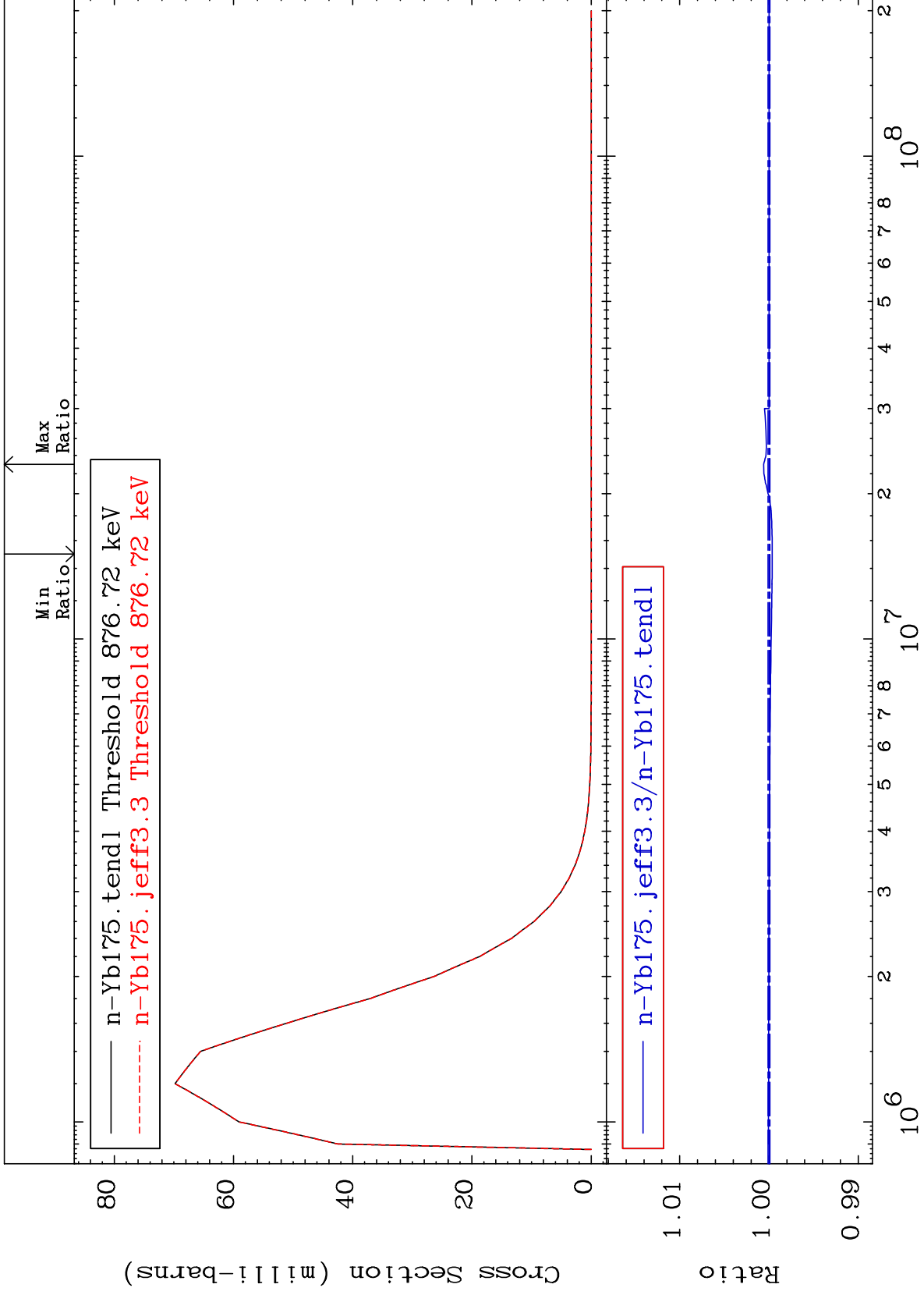
70-Yb-175
-0.003 To 0.027 %



MAT 7046

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

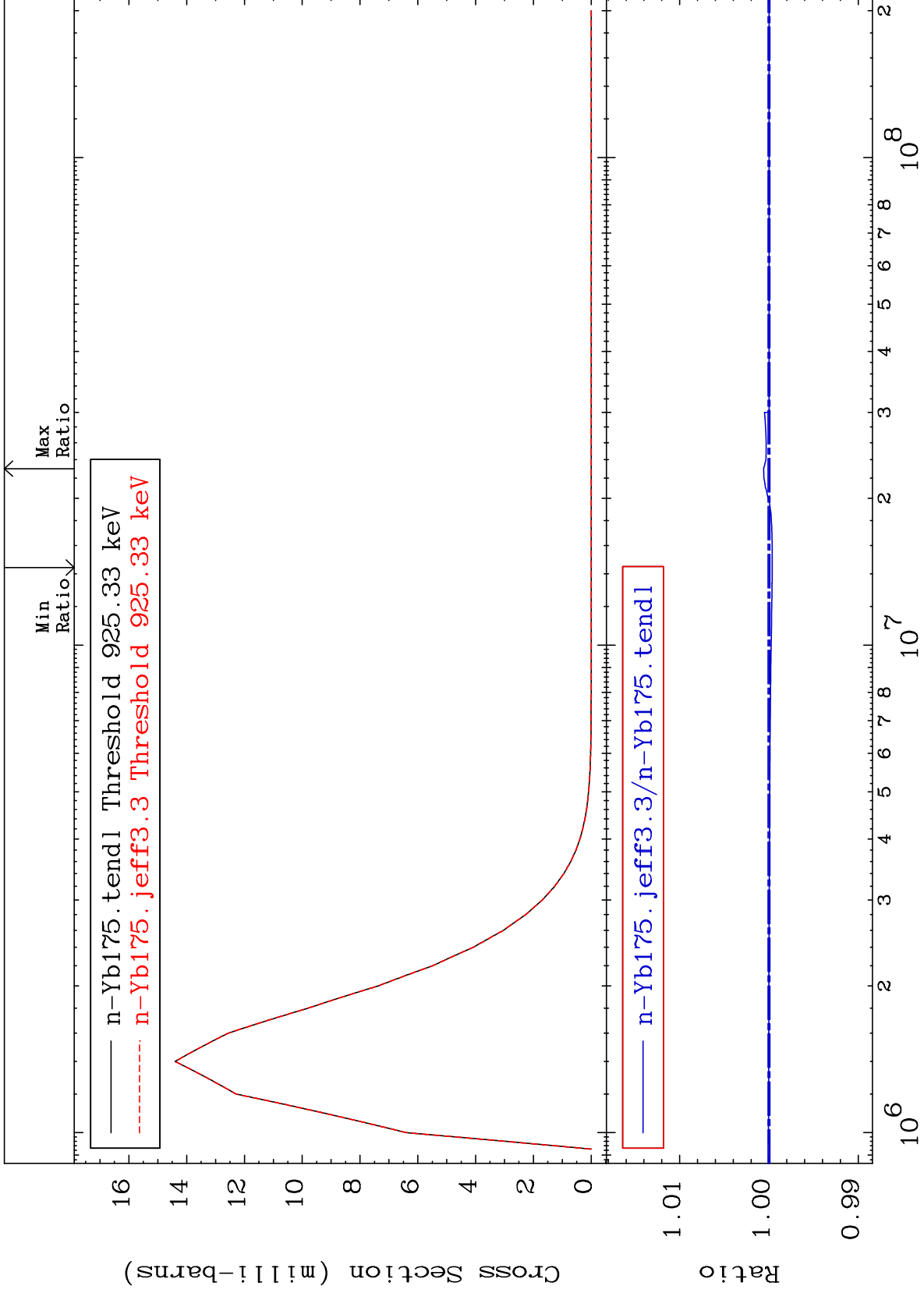
70-Yb-175
-0.036 To 0.060 %



MAT 7046

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

70-Yb-175
-0.037 To 0.060 %



— n-Yb175.tendl Threshold 925.33 keV
- - - n-Yb175.jeff3.3 Threshold 925.33 keV

— n-Yb175.jeff3.3/n-Yb175.tendl

35

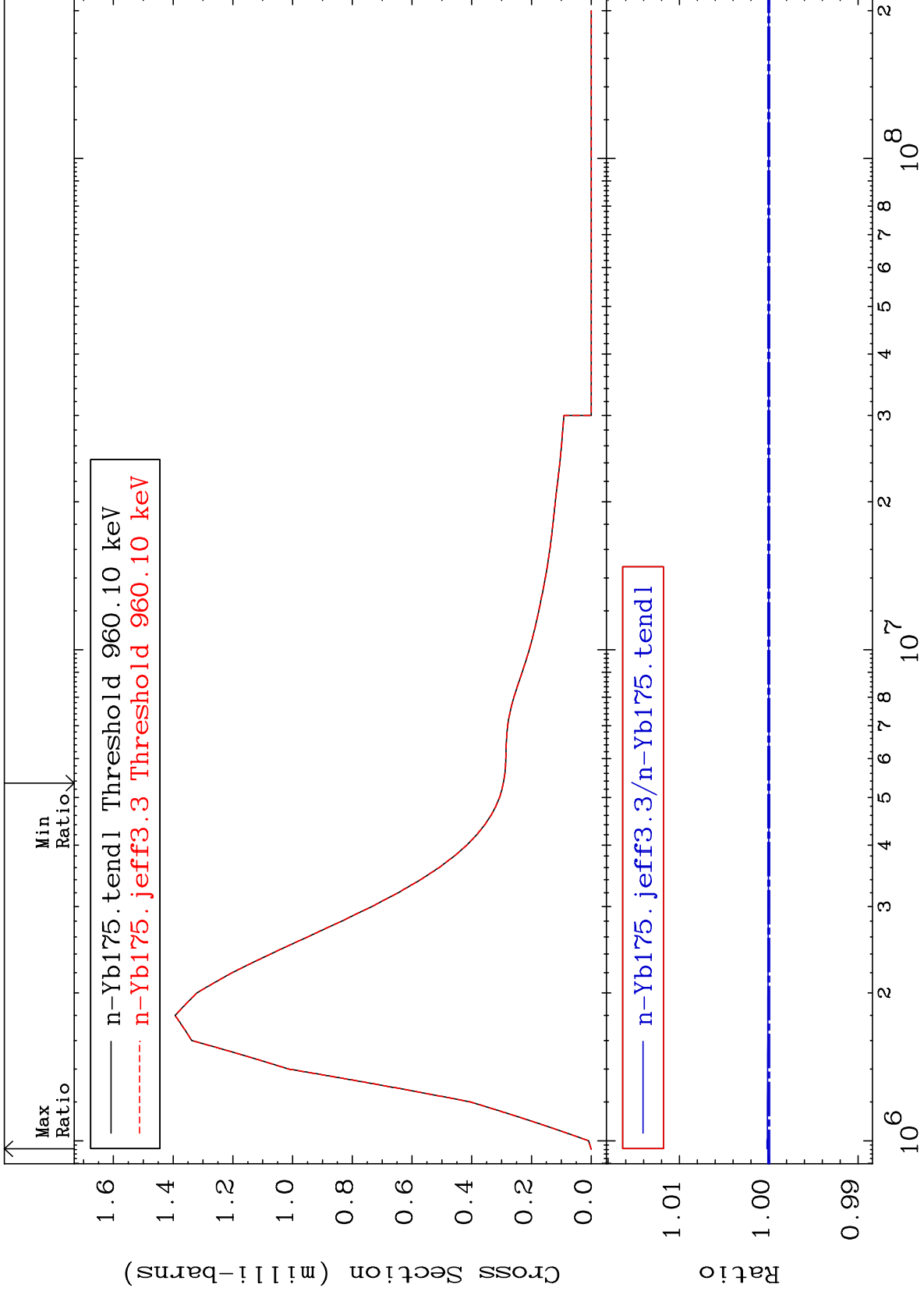
Incident Energy (eV)

70-Yb-175

MAT 7046

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

70-Yb-175
-0.001 To 0.019 %



36

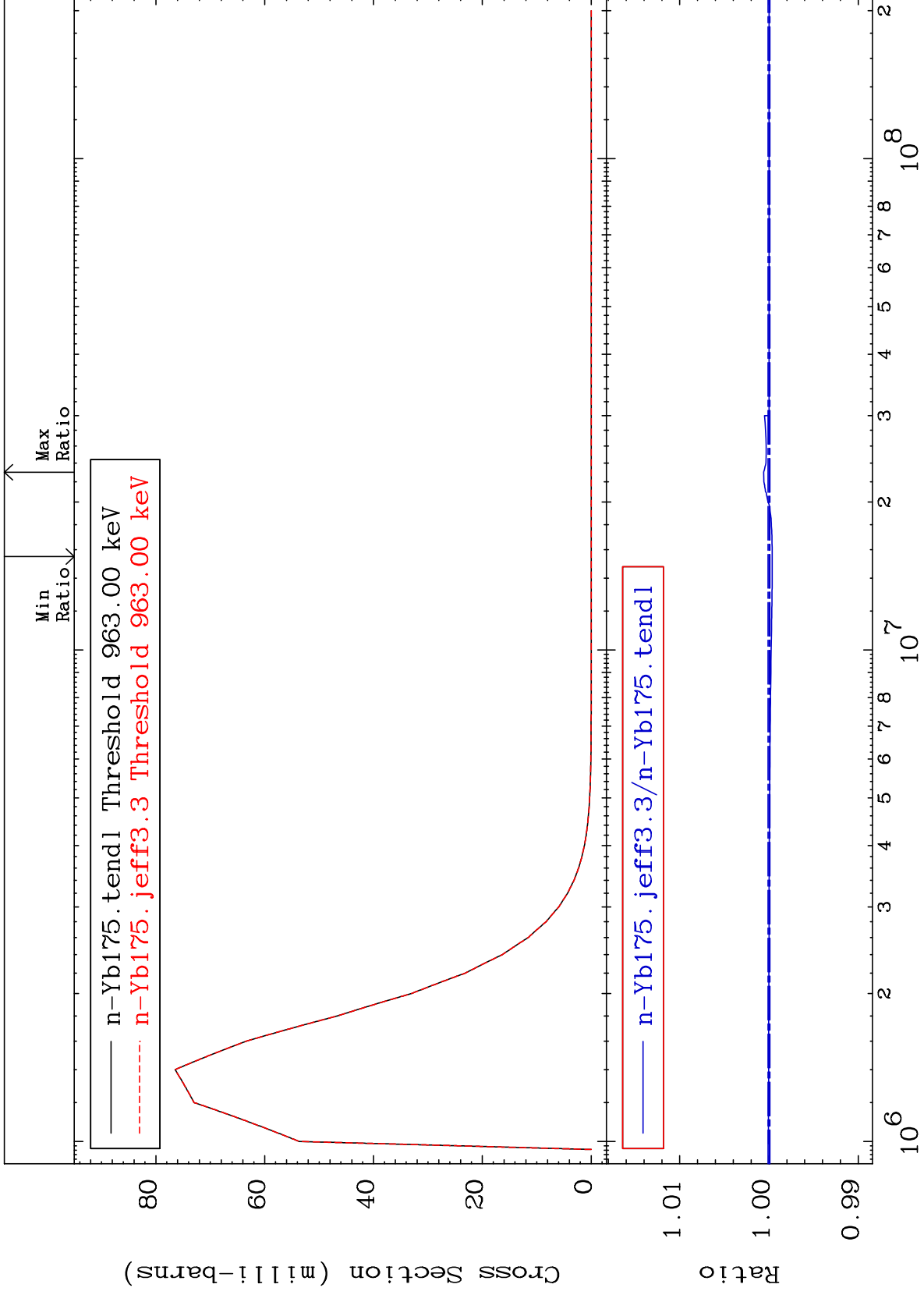
Incident Energy (eV)

70-Yb-175

MAT 7046

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

70-Yb-175
-0.036 To 0.060 %



37

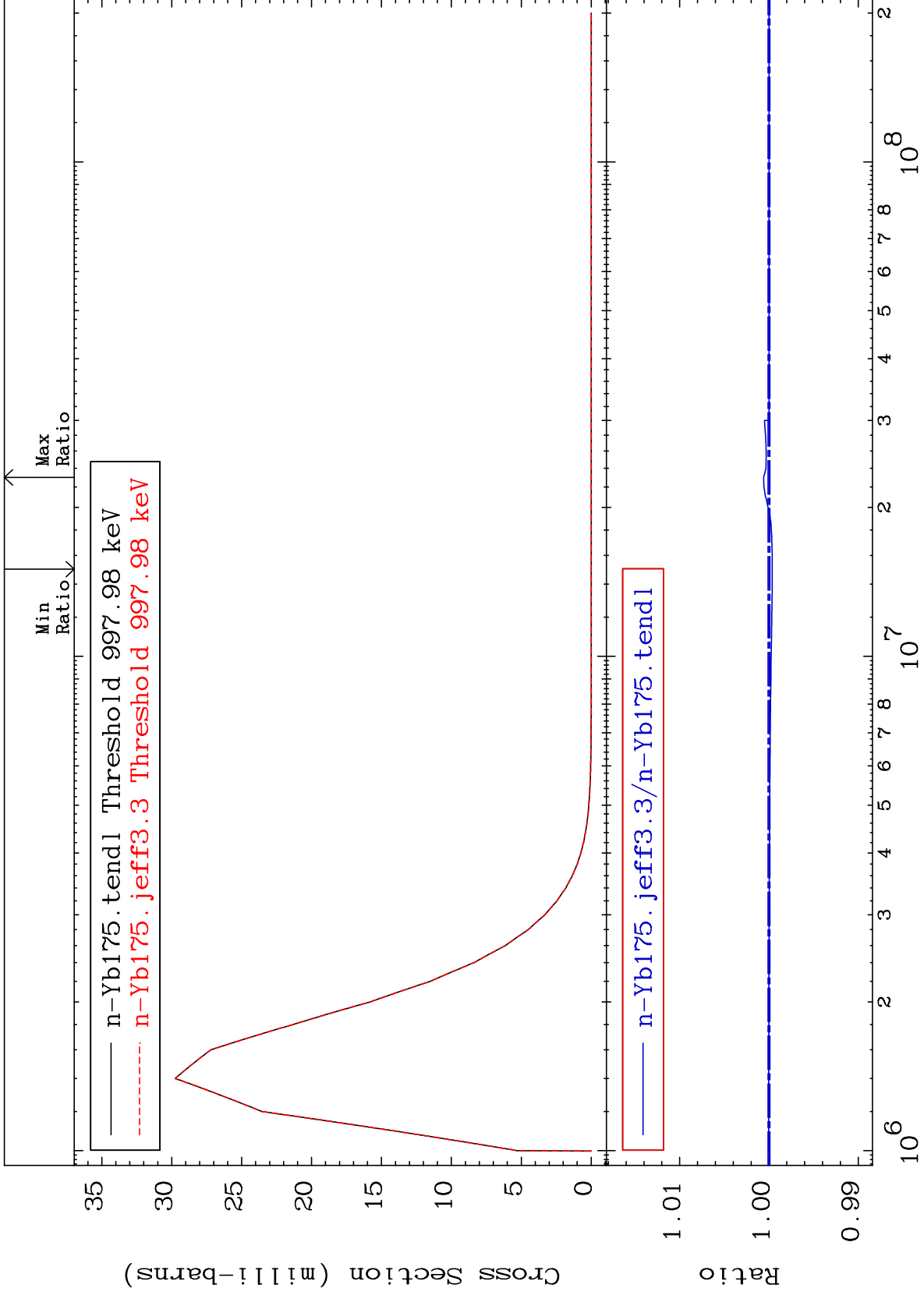
Incident Energy (eV)

70-Yb-175

MAT 7046

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

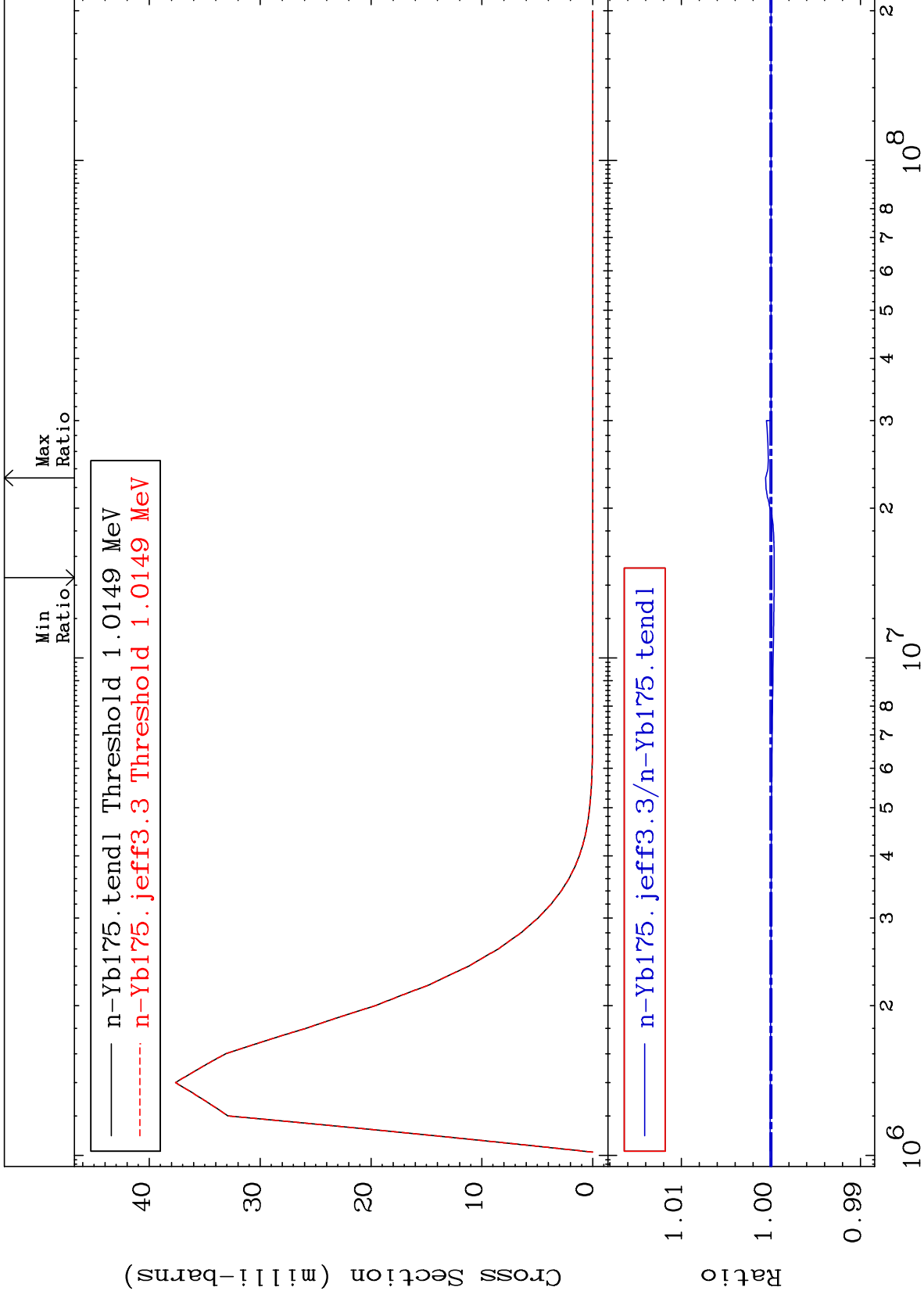
70-Yb-175
-0.036 To 0.060 %



MAT 7046

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

70-Yb-175
-0.036 To 0.060 %



39

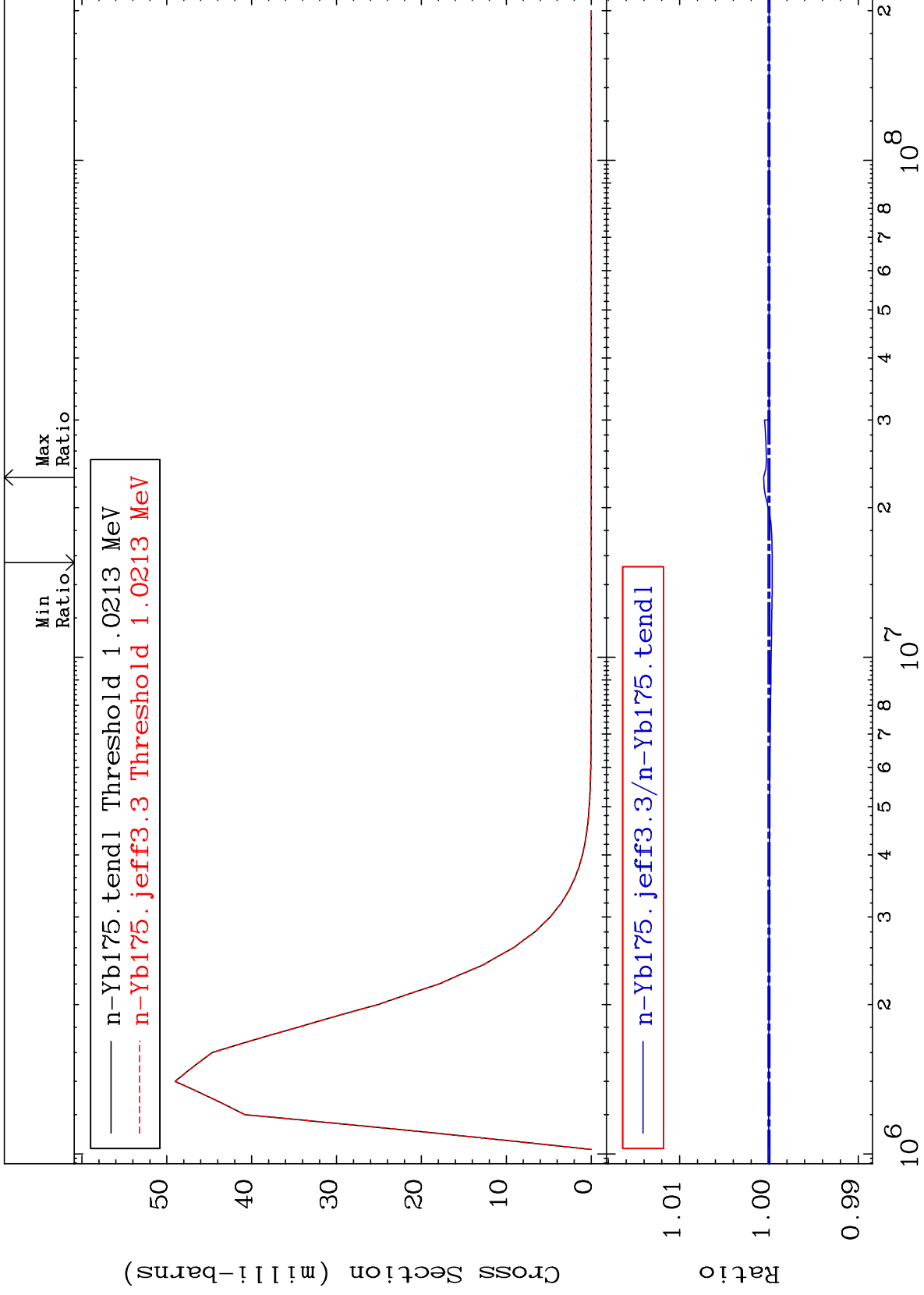
Incident Energy (eV)

70-Yb-175

MAT 7046

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

70-Yb-175
-0.036 To 0.060 %



40

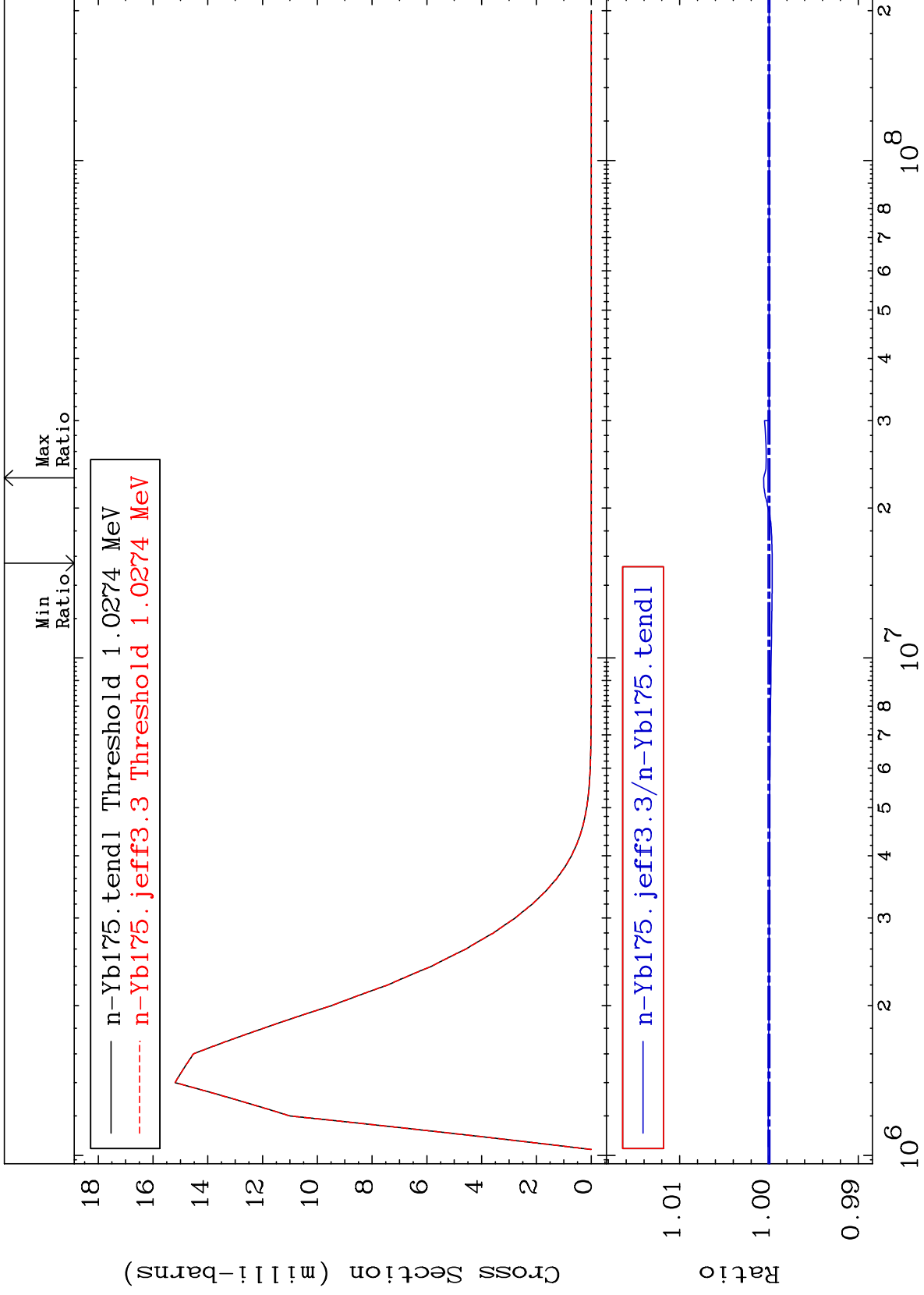
Incident Energy (eV)

70-Yb-175

MAT 7046

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

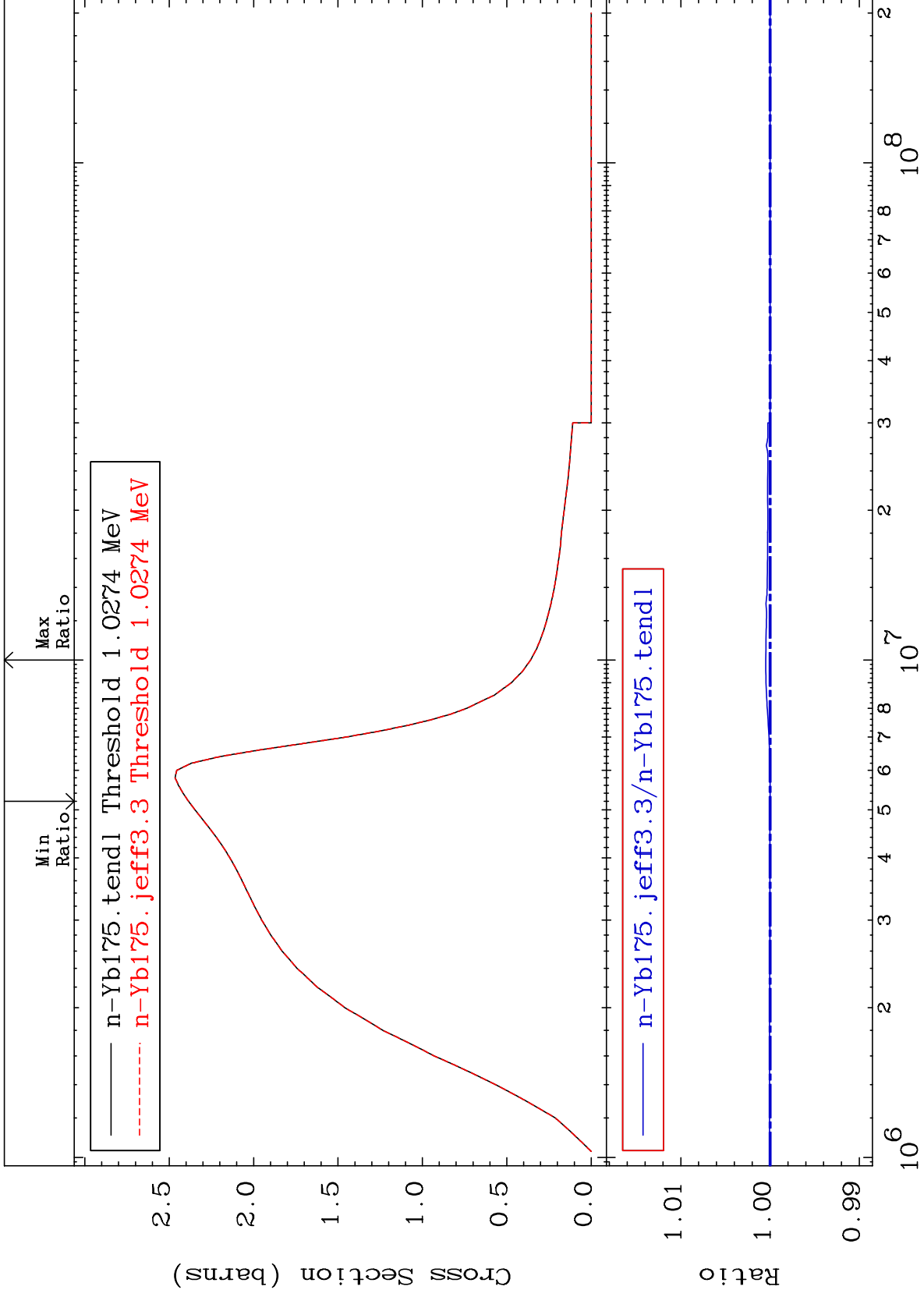
70-Yb-175
-0.036 To 0.060 %



MAT 7046

(n, n') Continuum
Cross Section

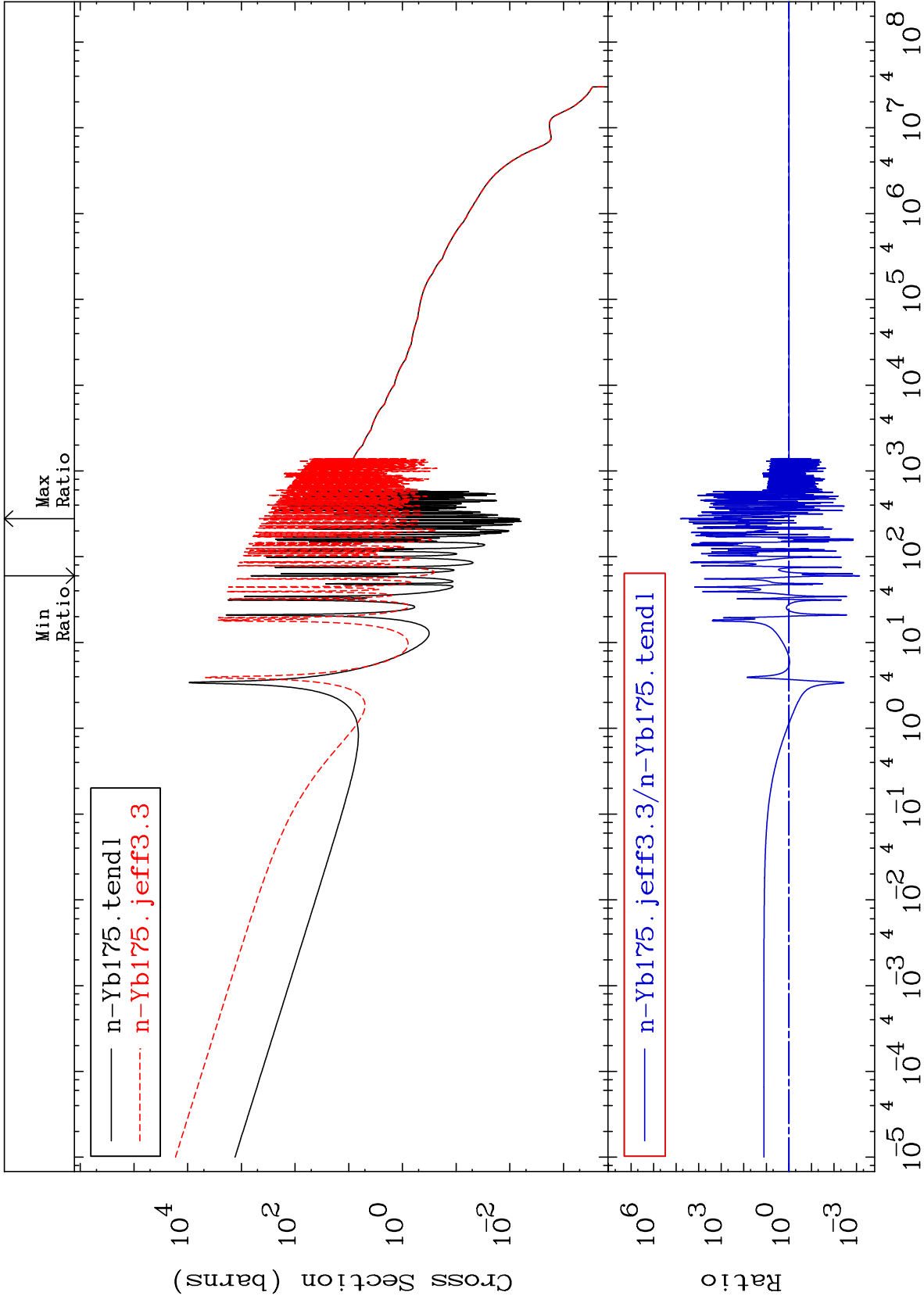
70-Yb-175
To 0.048 %



MAT 7046

(n, γ)
Cross Section

70-Yb-175
-99.93 To 9999. %



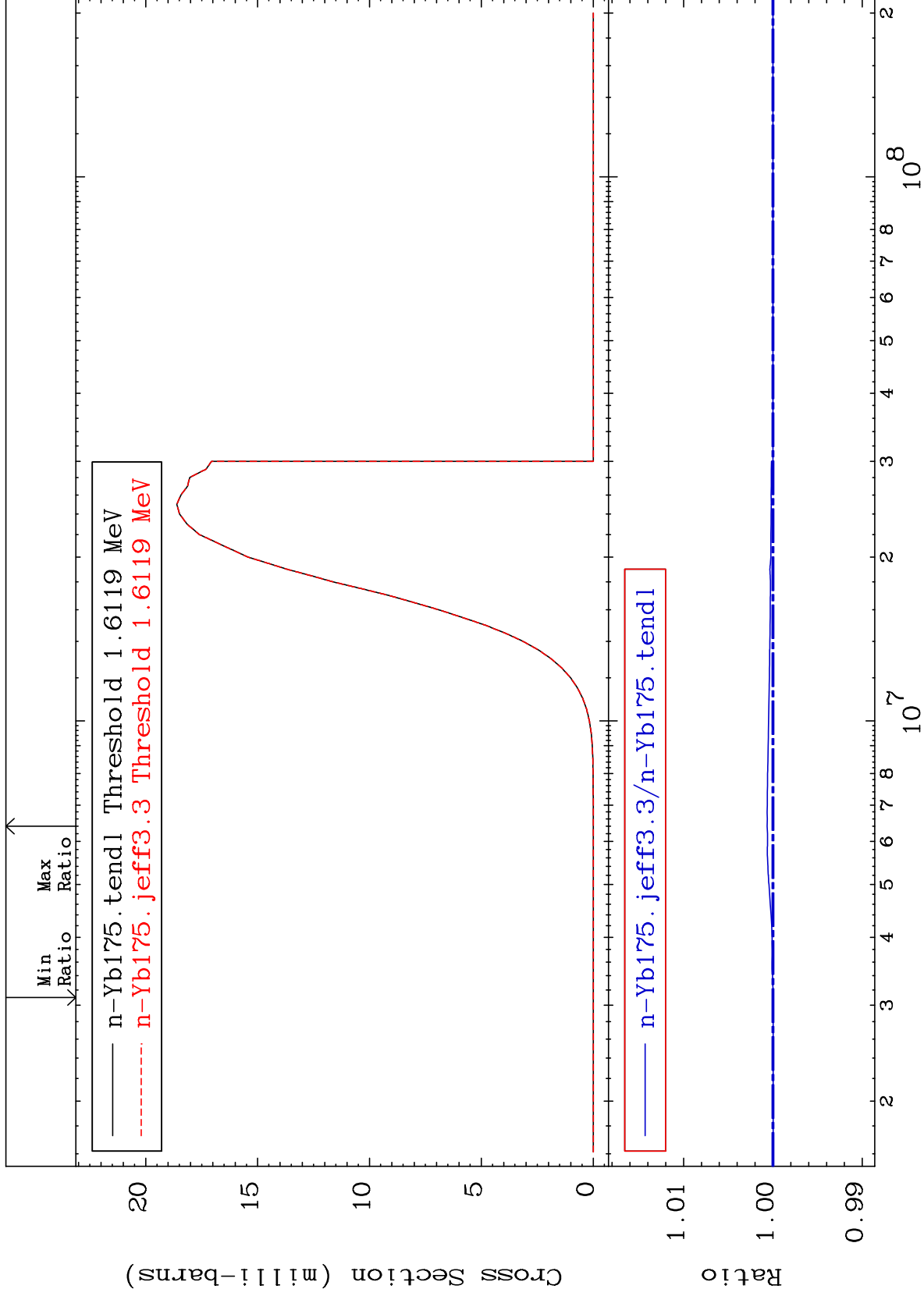
MAT 7046

(n, p)

⁷⁰Yb-175

Cross Section

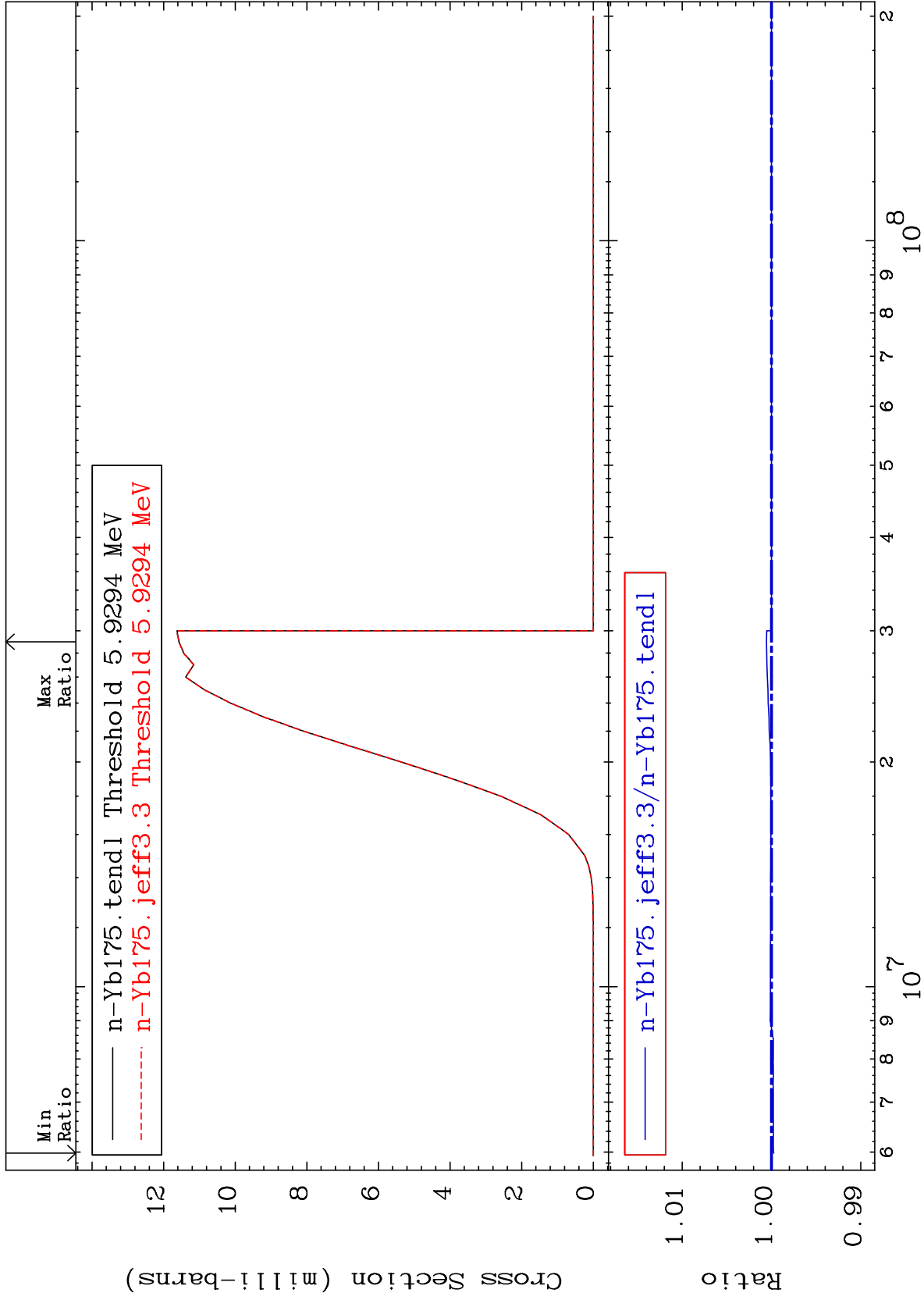
-0.003 To 0.065 %



MAT 7046

70-Yb-175

(n, d)
Cross Section
-0.026 To 0.055 %



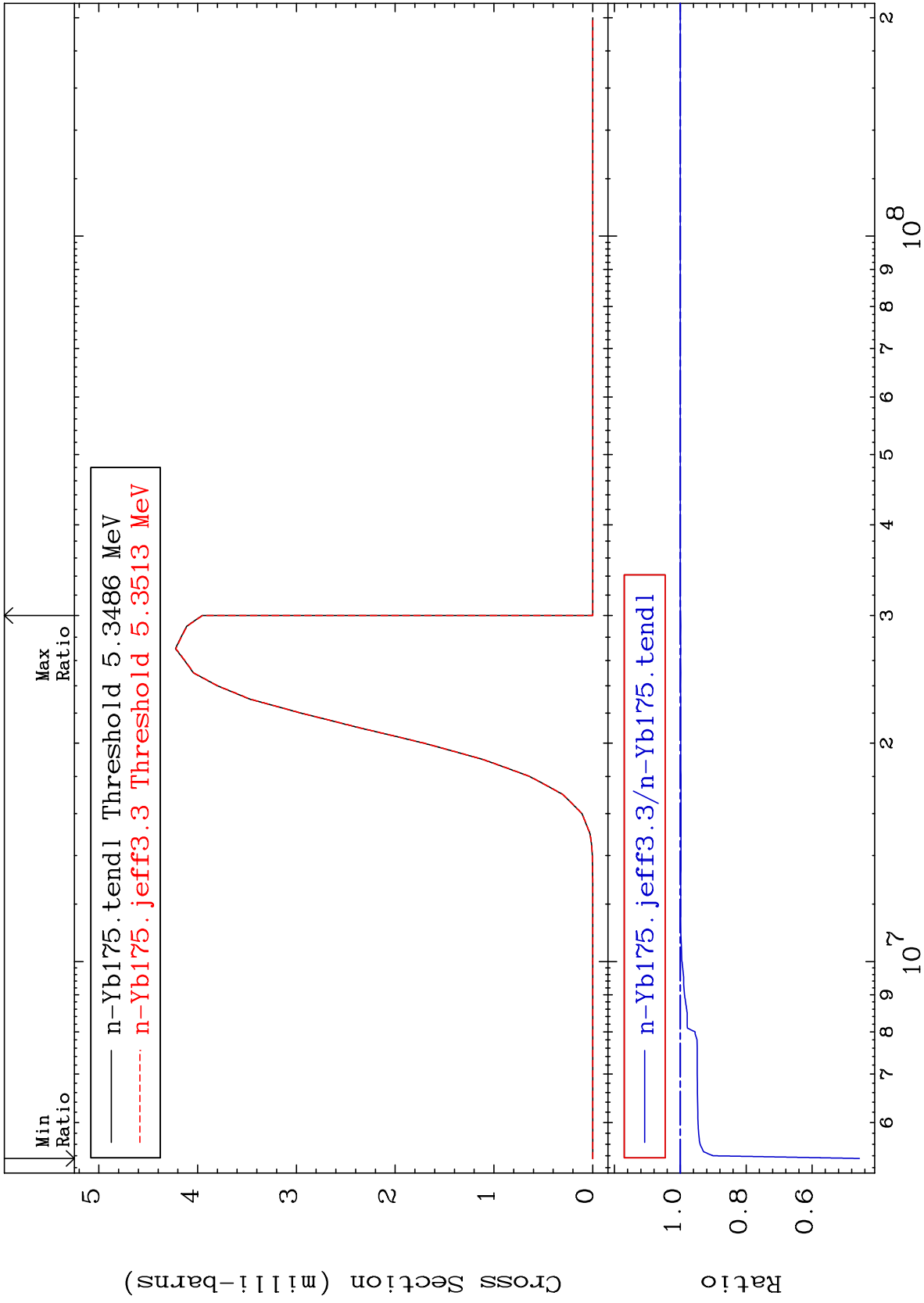
45

Incident Energy (eV)

70-Yb-175

MAT 7046

(n, t)
Cross Section
70-Yb-175
-54.36 To 0.000 %



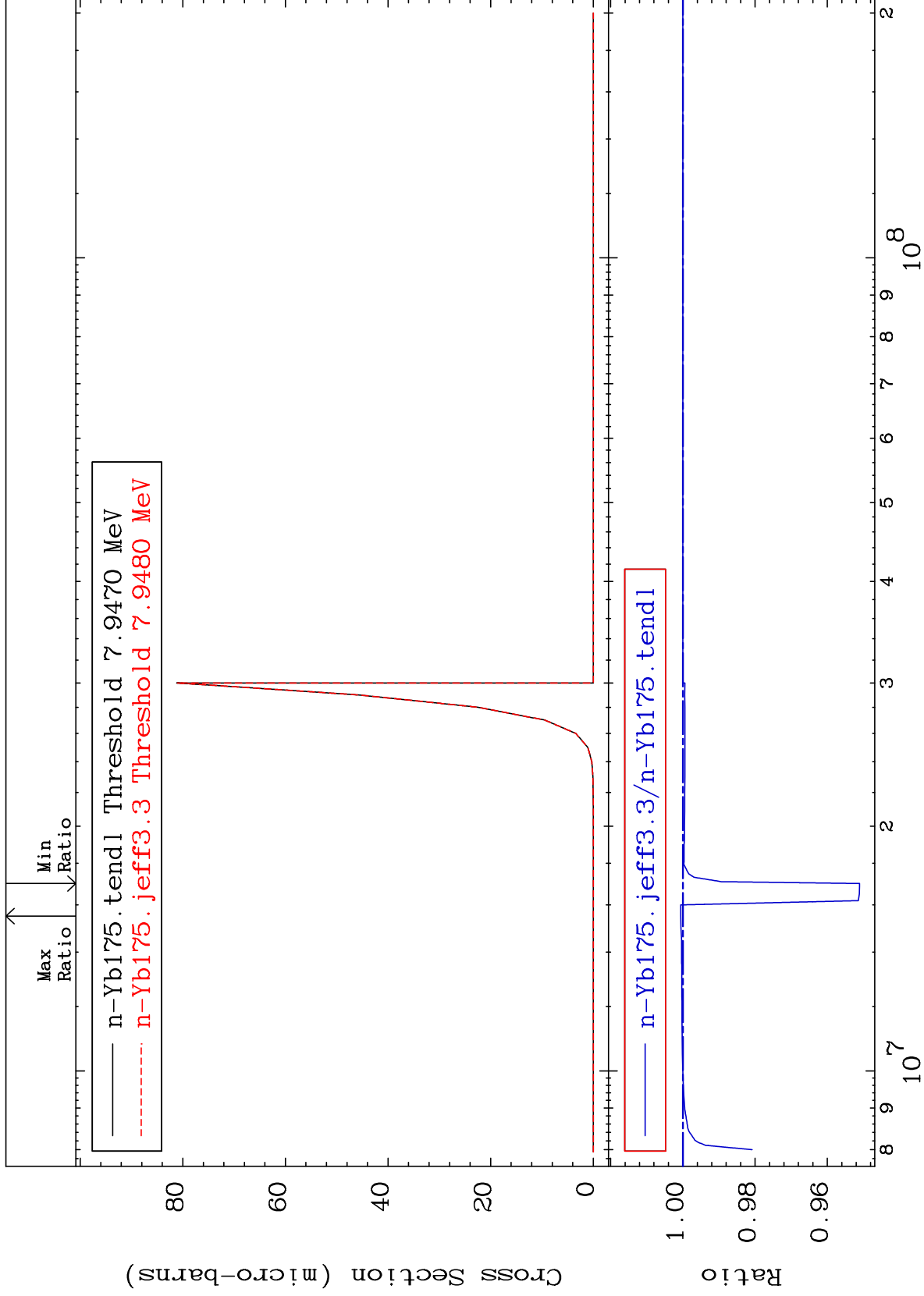
MAT 7046

(n, He-3)

⁷⁰Yb-175

Cross Section

-4.892 To 0.058 %



47

Incident Energy (eV)

⁷⁰Yb-175

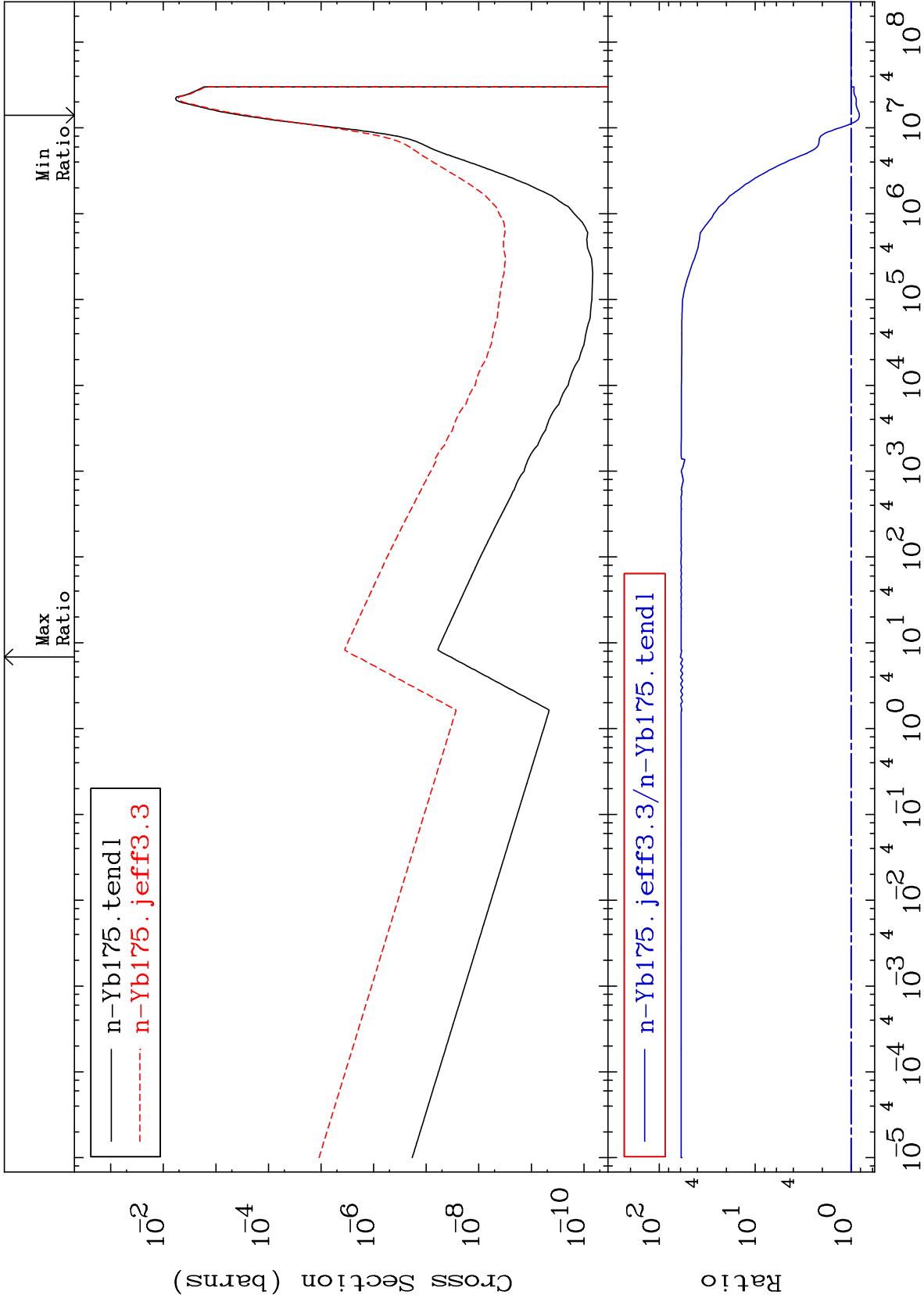
MAT 7046

(n, α)

70-Yb-175

Cross Section

-17.96 To 5936. %



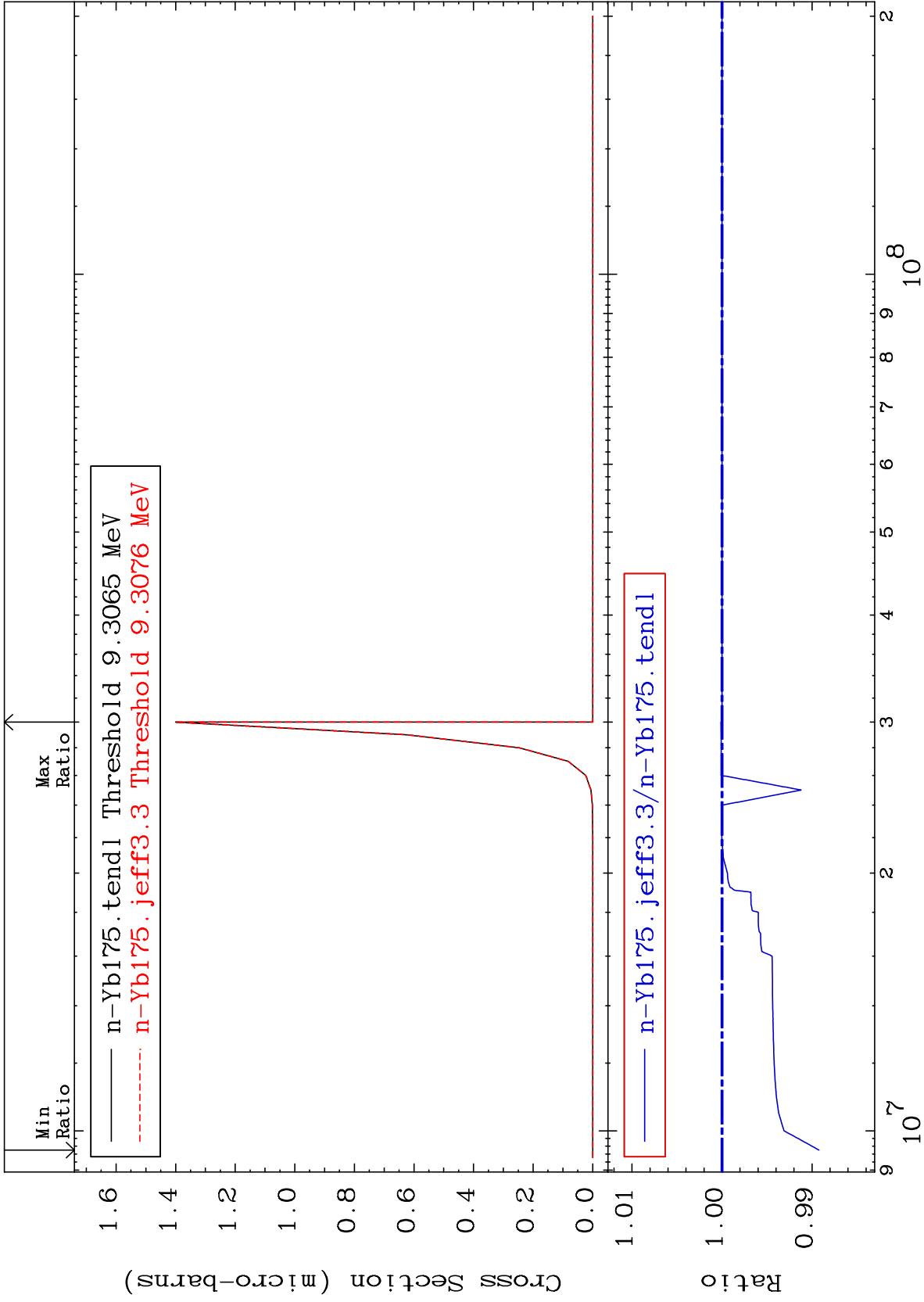
MAT 7046

(n,2p)

70-Yb-175

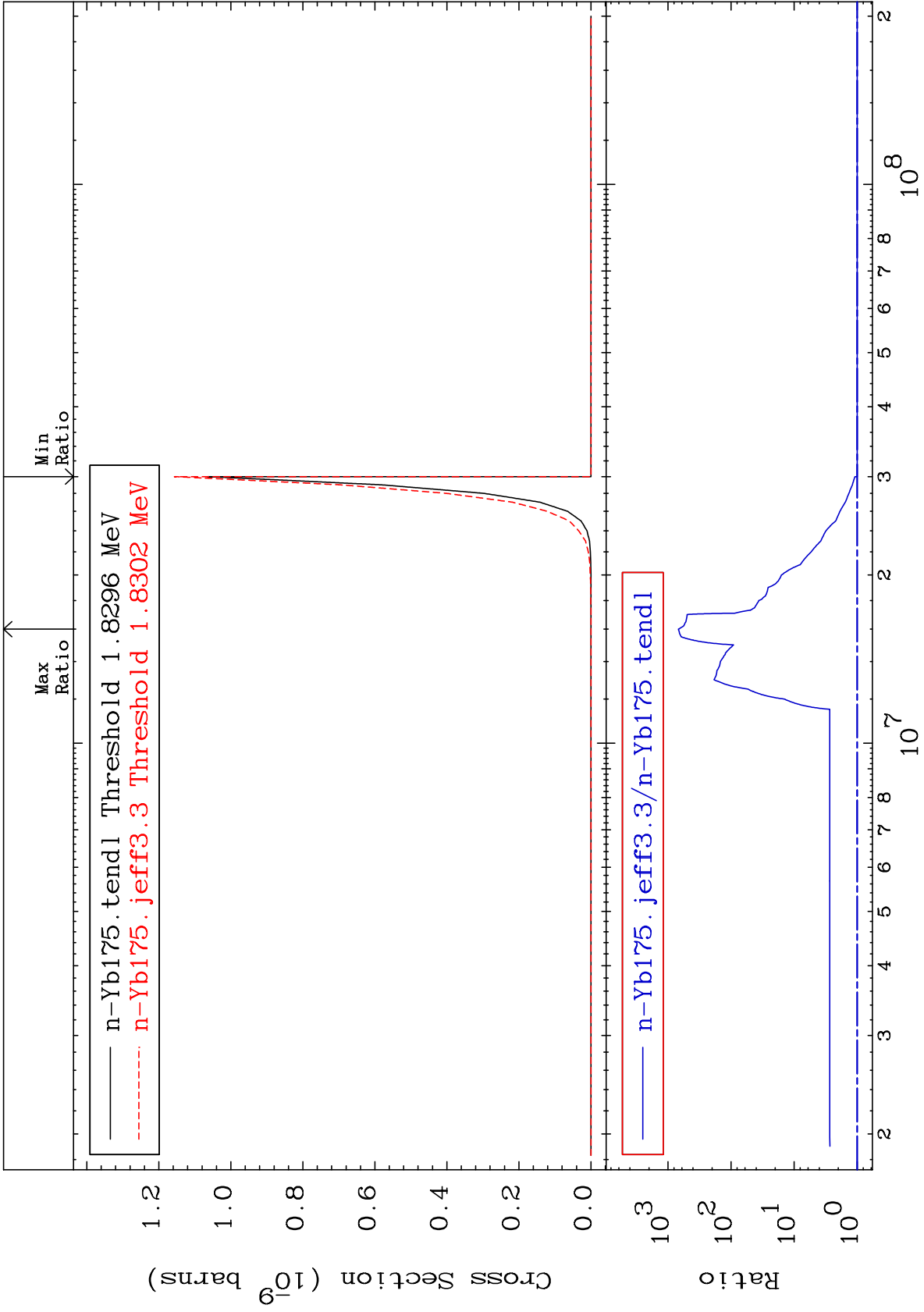
Cross Section

-1.076 To 0.012 %



MAT 7046

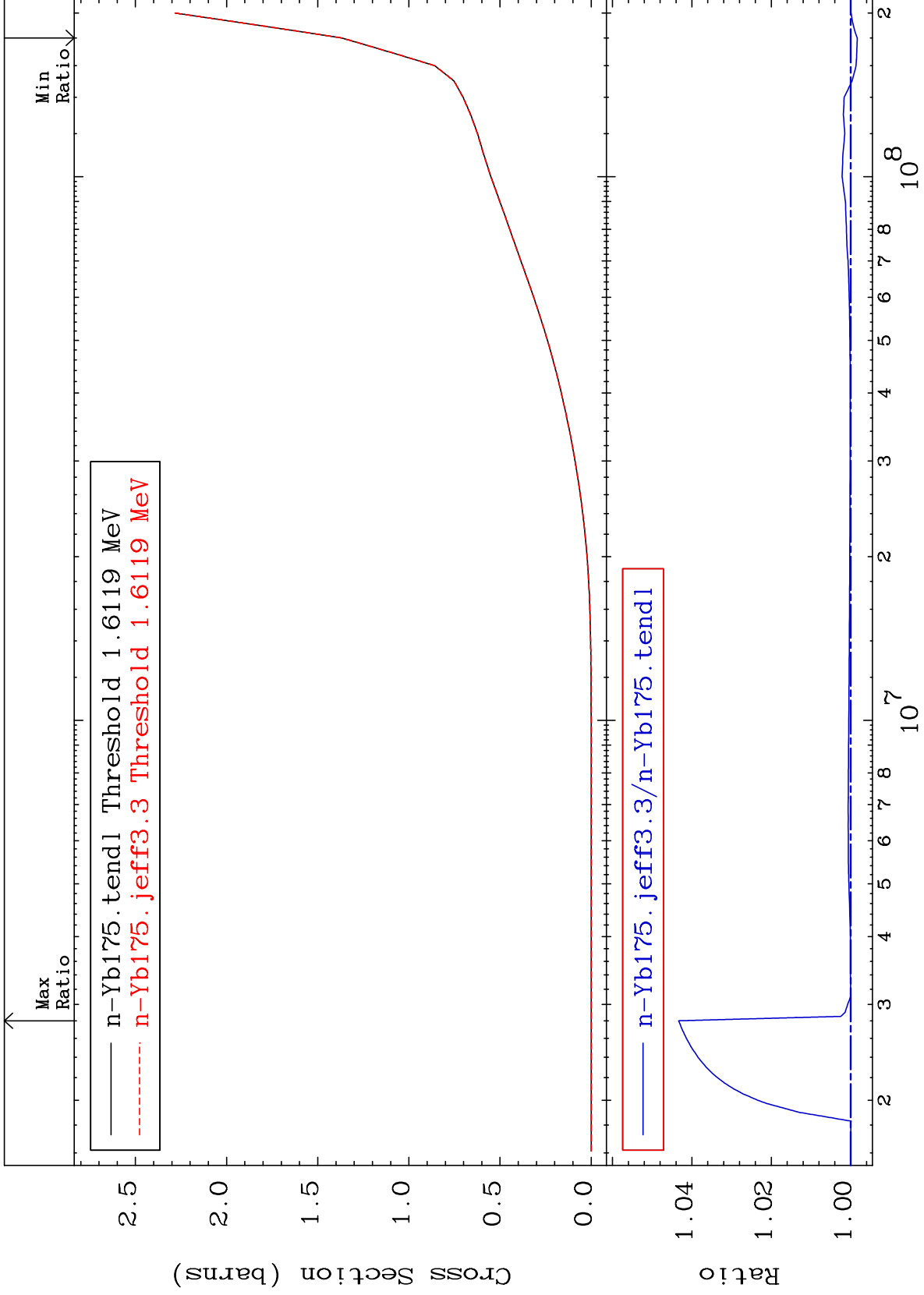
(n, p) α
Cross Section
0.000 To 9999. %
70-Yb-175



MAT 7046

Hydrogen Production
Cross Section

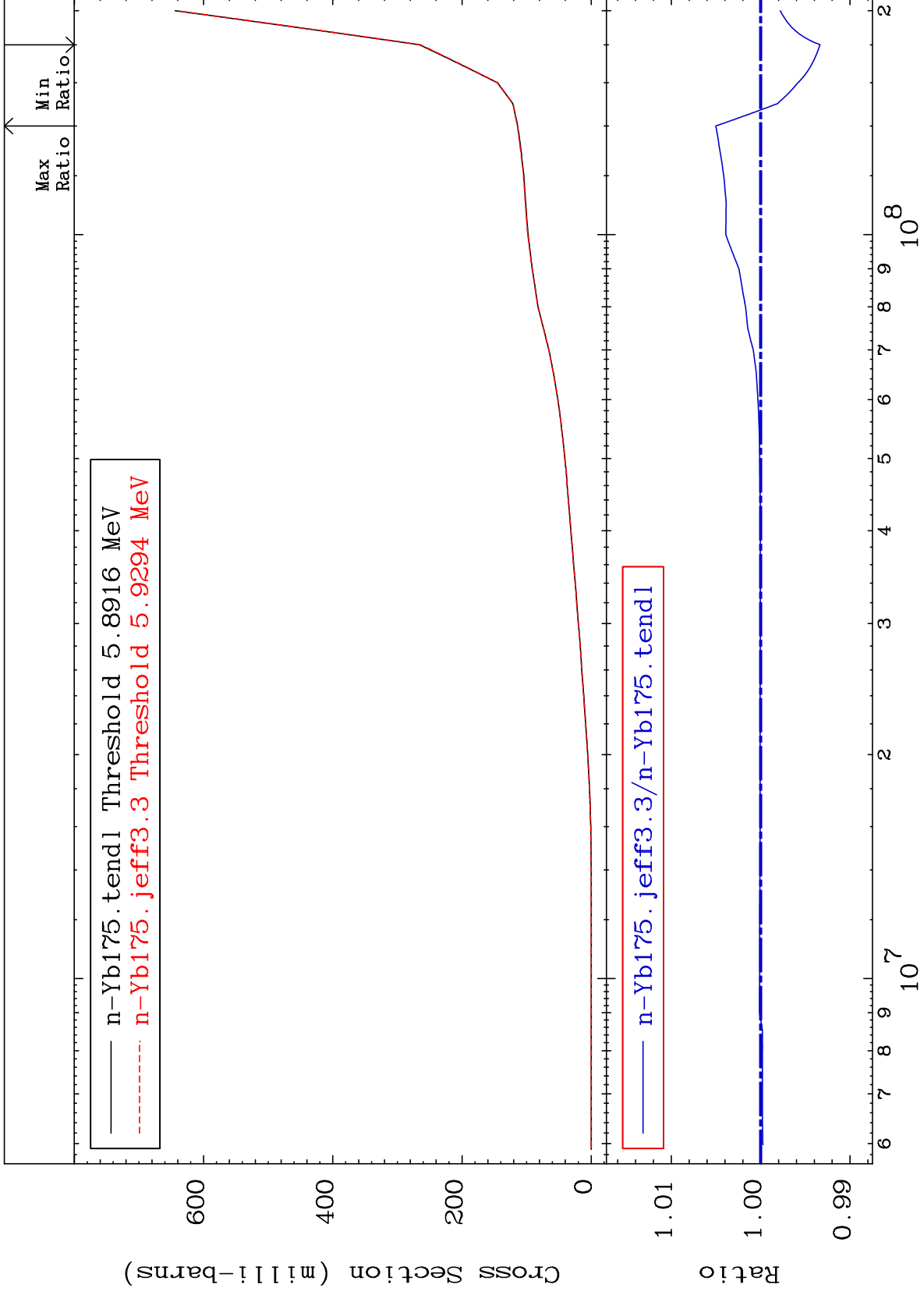
⁷⁰Yb-175
-0.165 To 4.334 %



MAT 7046

Deuterium Production
Cross Section

70-Yb-175
-0.664 To 0.501 %



52

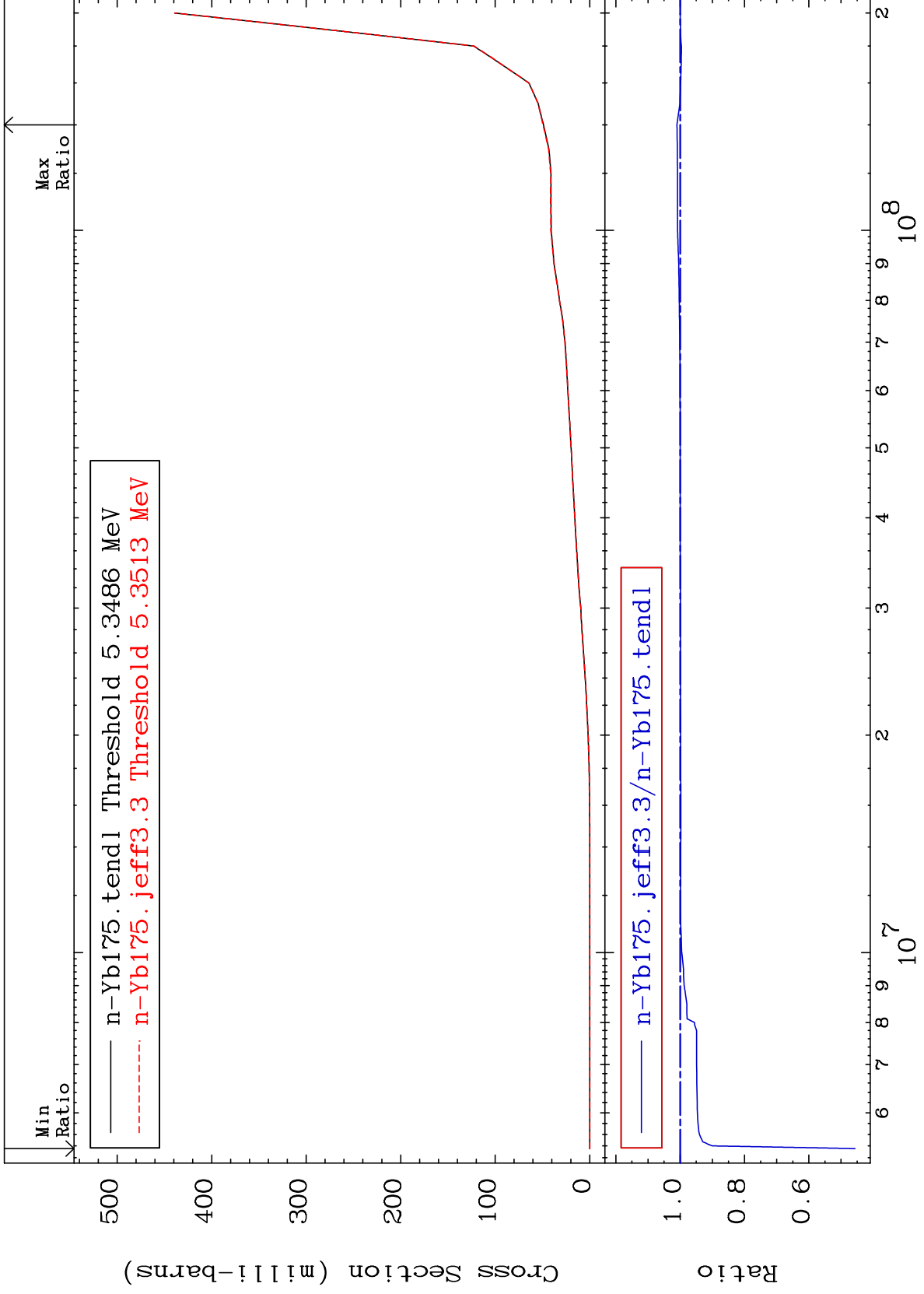
Incident Energy (eV)

70-Yb-175

MAT 7046

Tritium Production
Cross Section

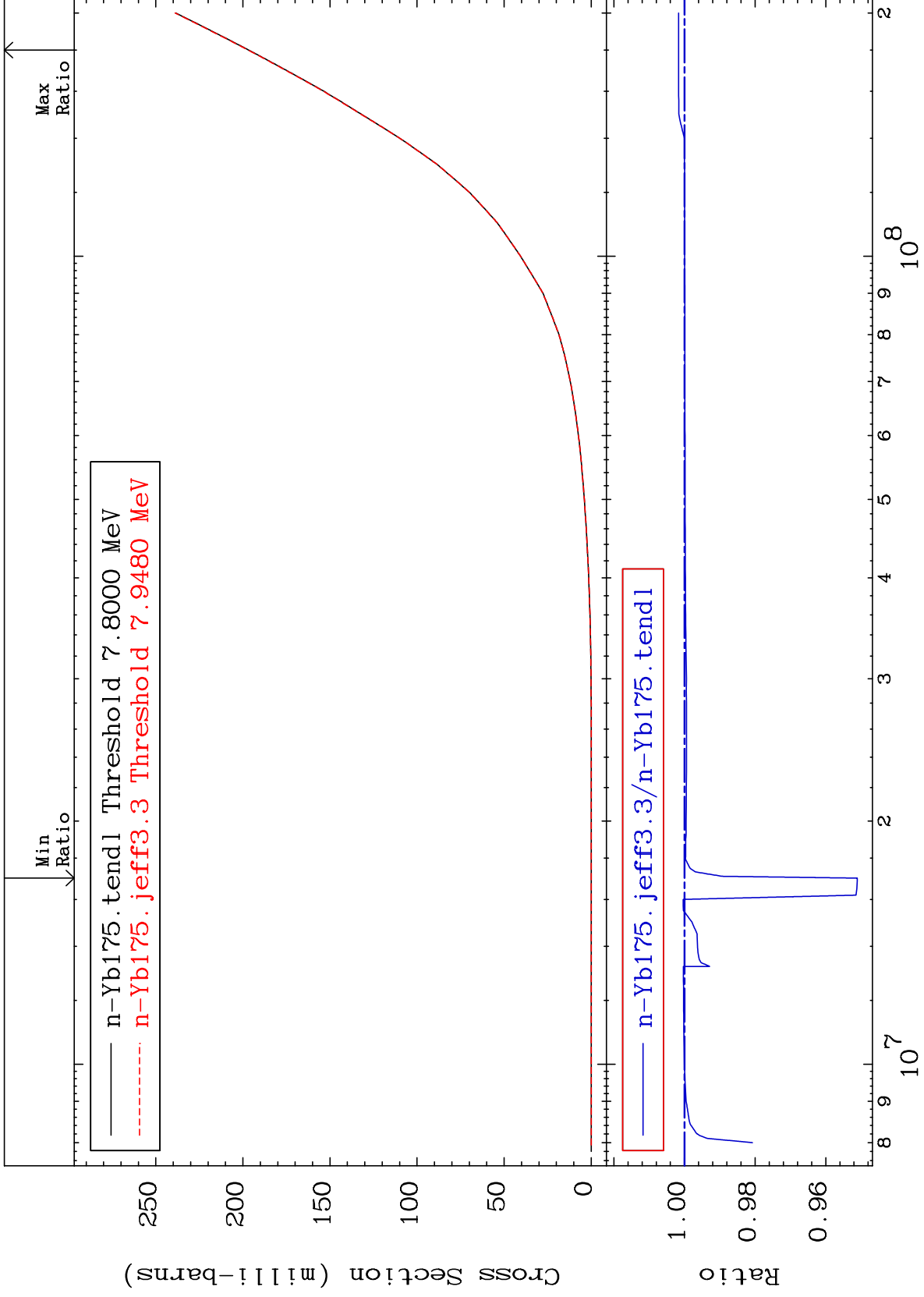
70-Yb-175
-54.36 To 1.010 %



MAT 7046

He-3 Production
Cross Section

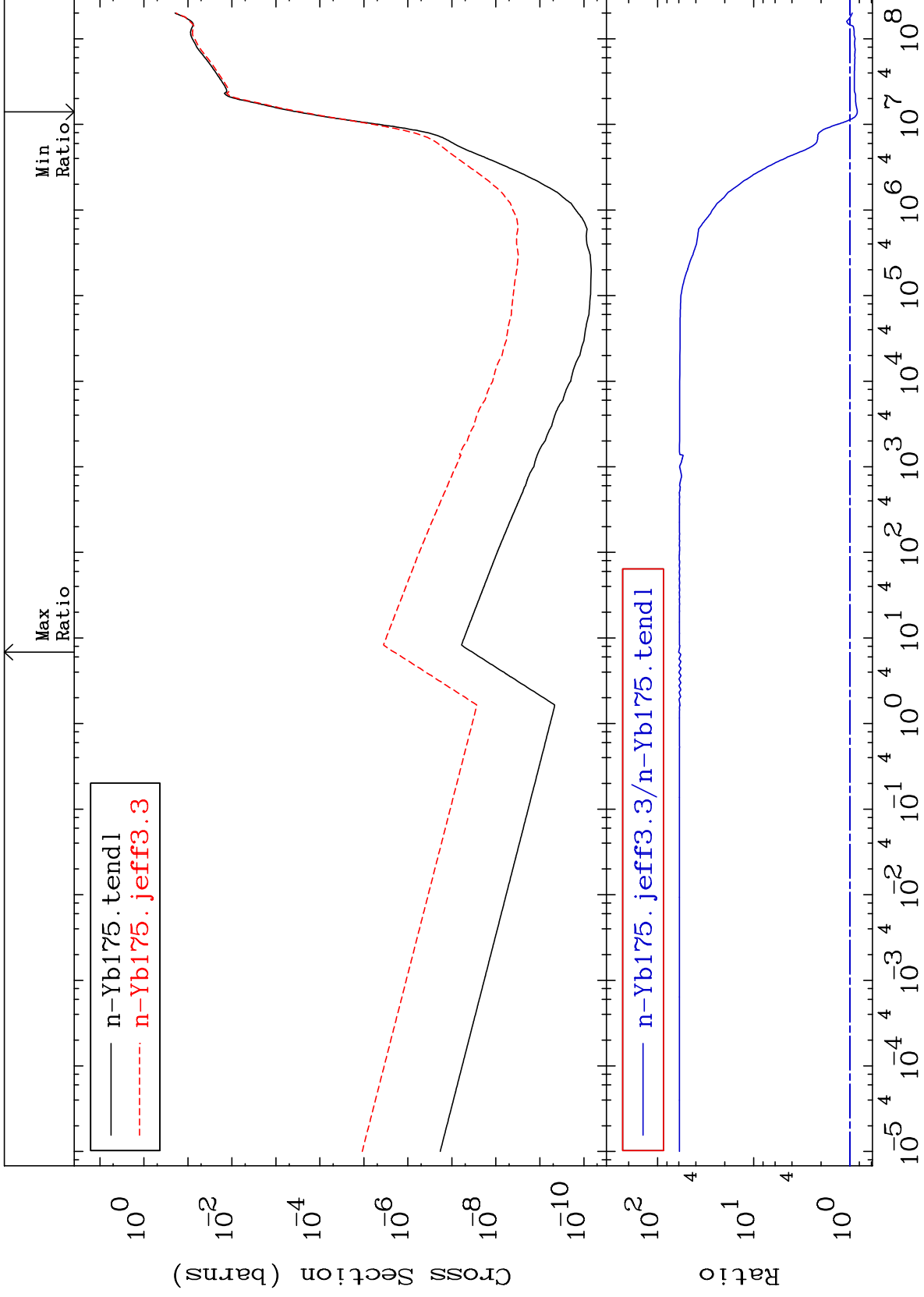
70-Yb-175
-4.892 To 0.166 %



MAT 7046

He-4 Production
Cross Section

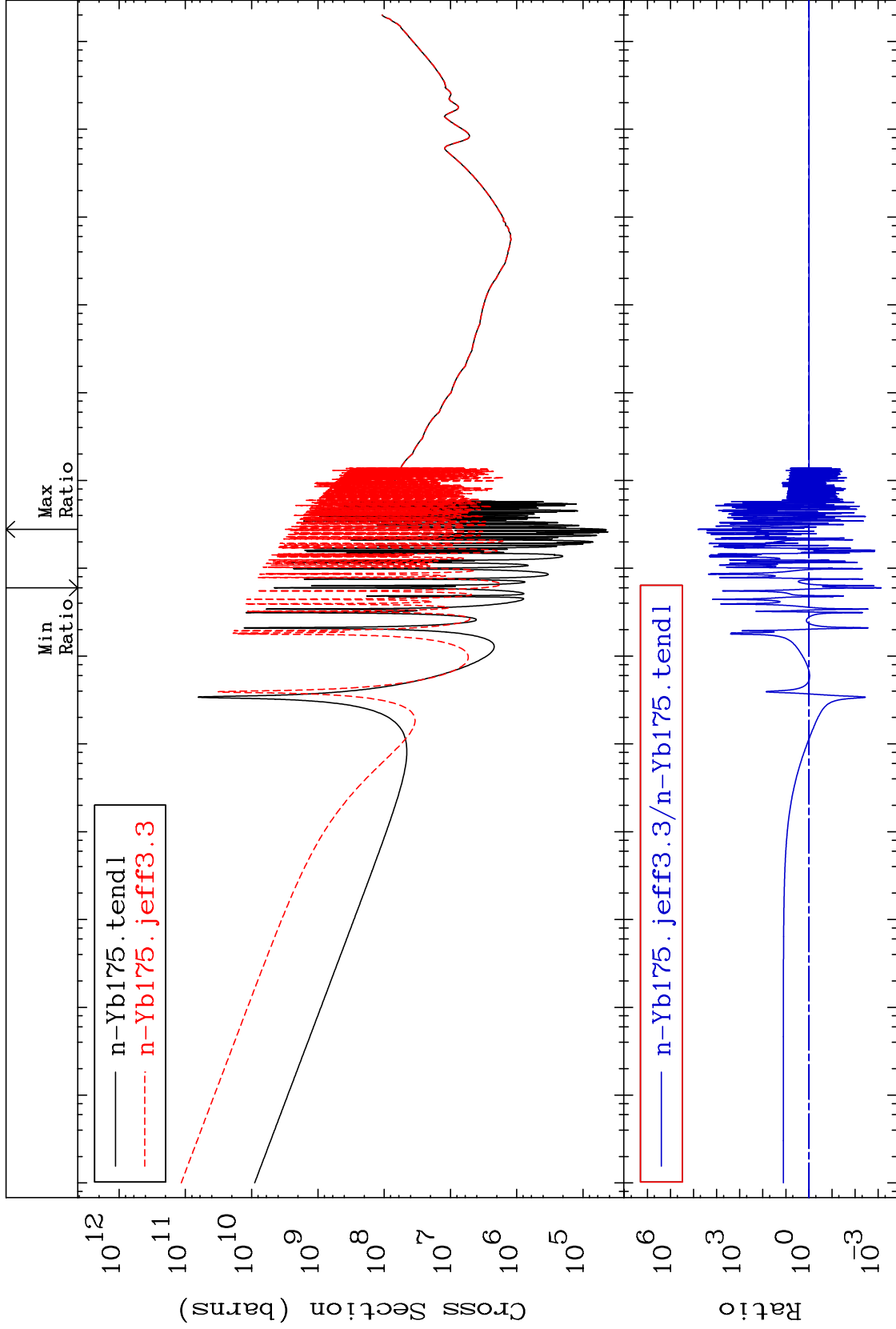
70-Yb-175
-16.01 To 5936. %



55

Incident Energy (eV)

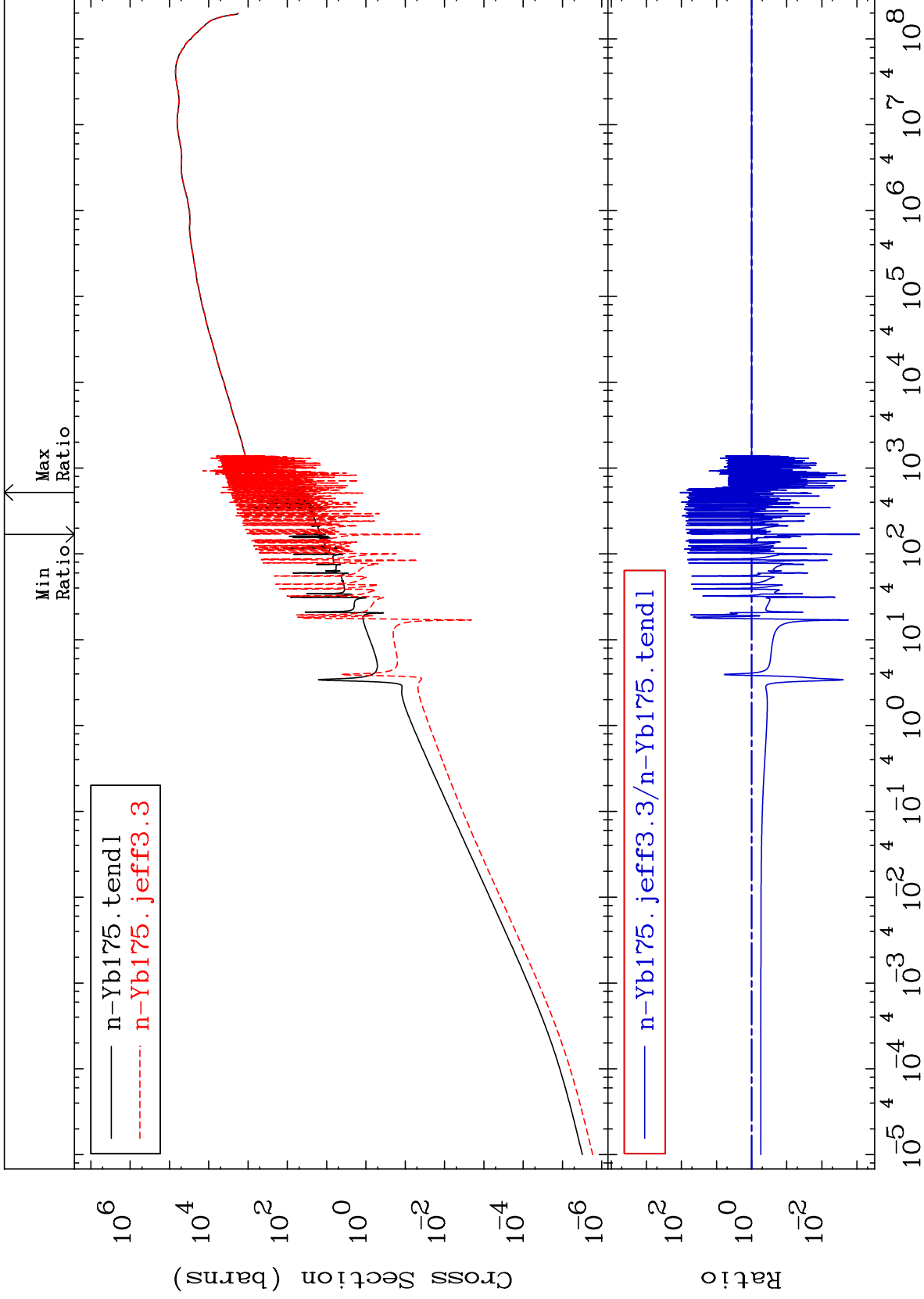
70-Yb-175



MAT 7046

Kerma elastic
Cross Section

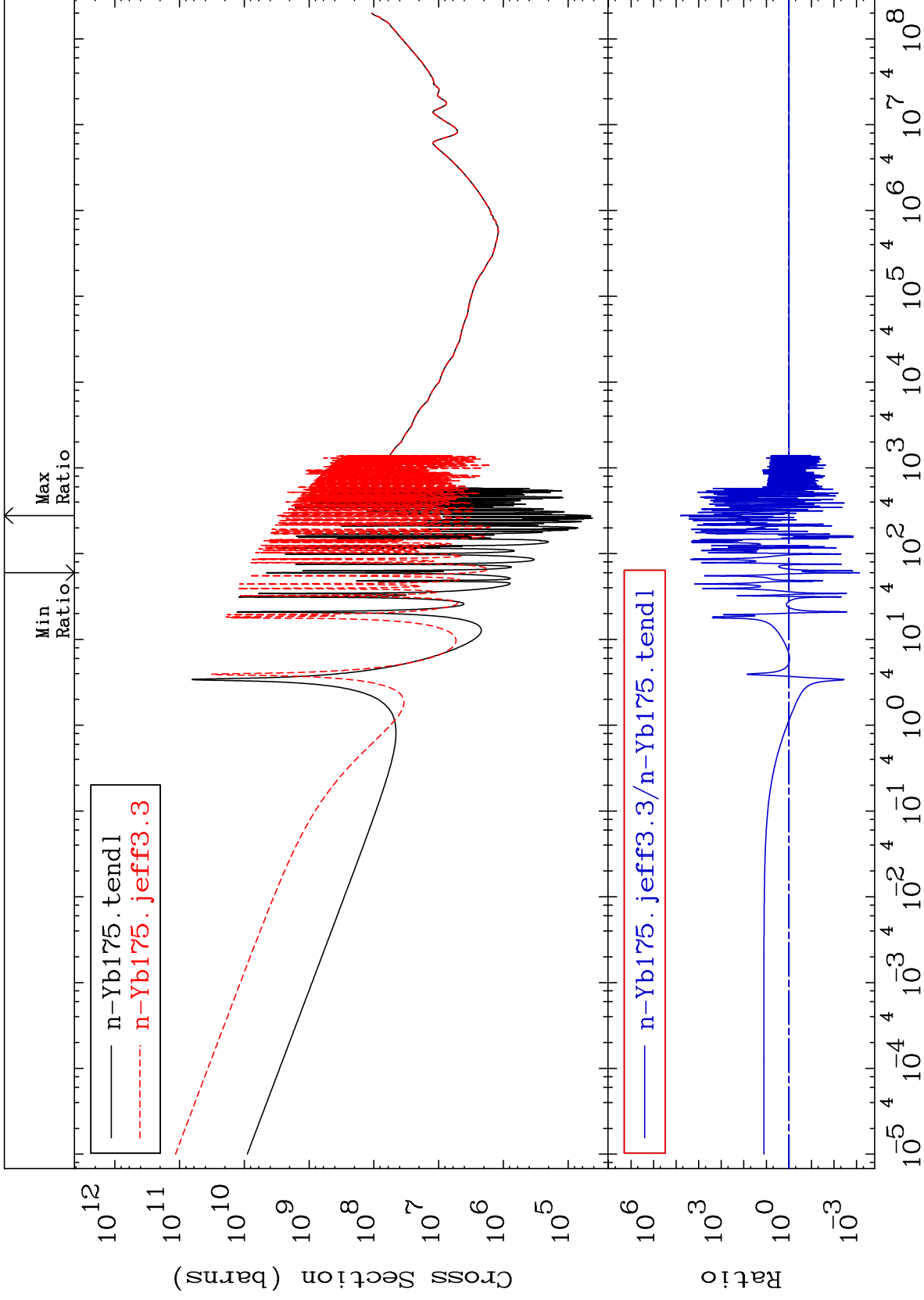
70-Yb-175
-99.92 To 9999. %



57

Incident Energy (eV)

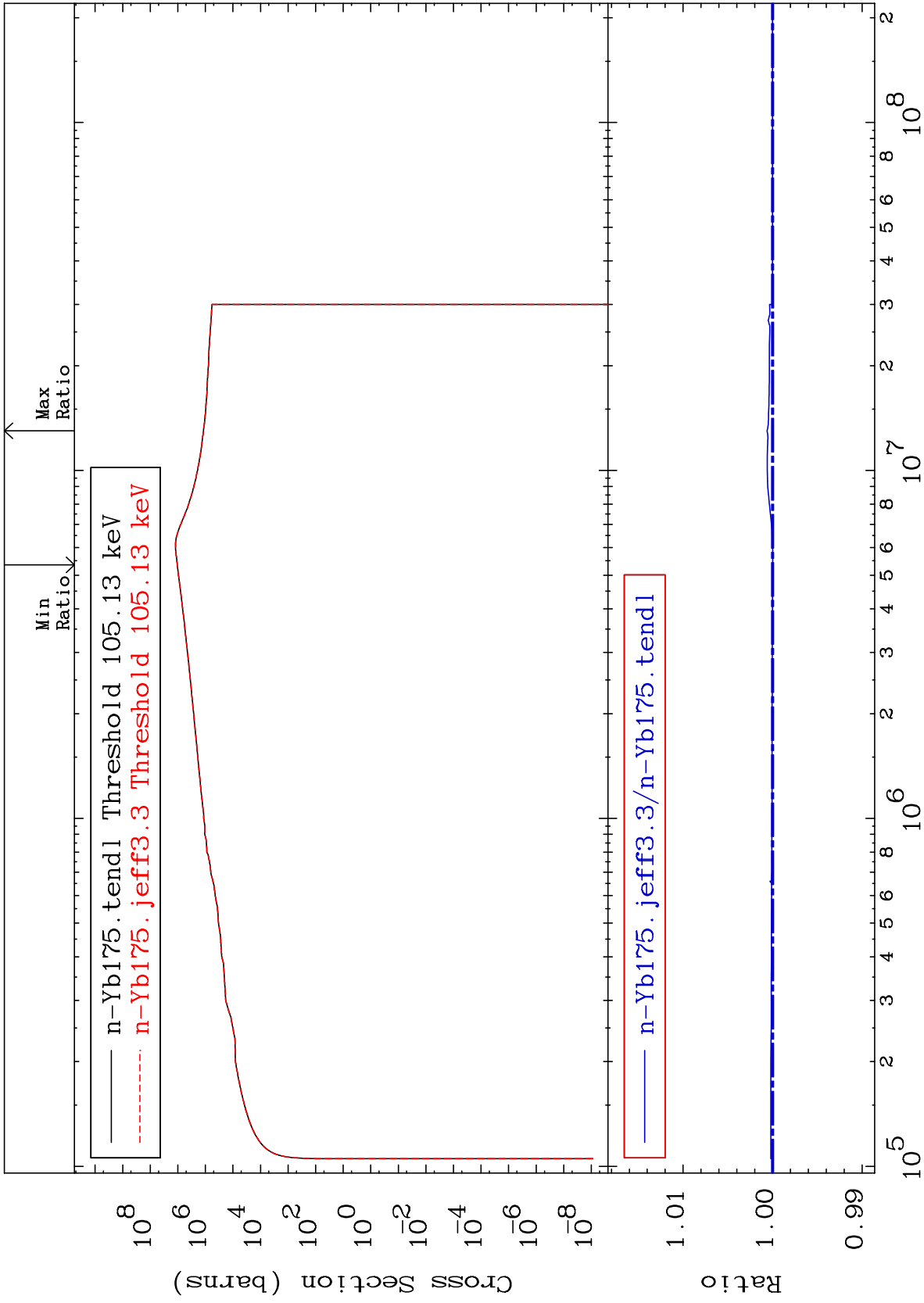
70-Yb-175



MAT 7046

Kerma inelastic (mt51-91)
Cross Section

70-Yb-175
-0.001 To 0.061 %



59

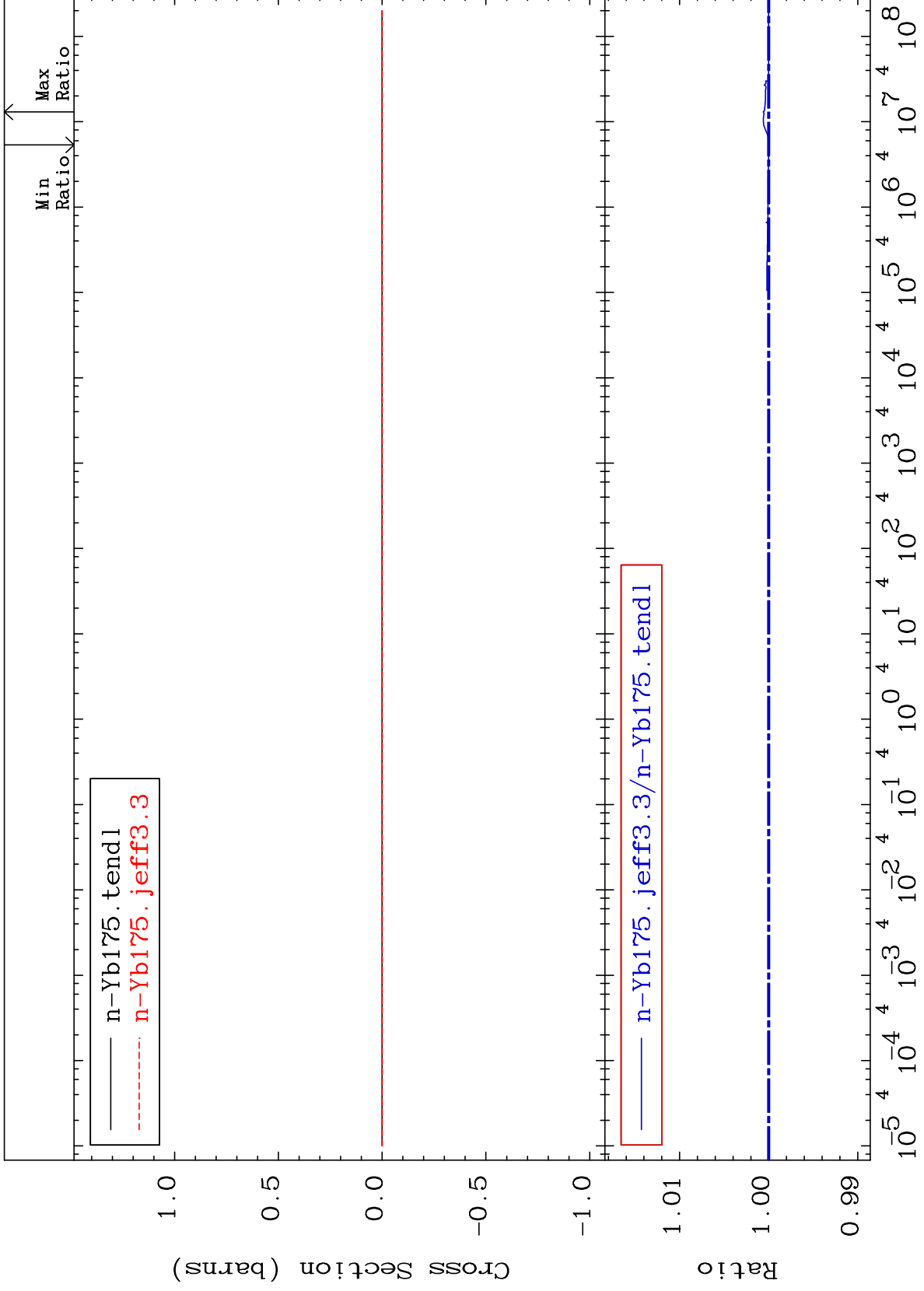
Incident Energy (eV)

70-Yb-175

MAT 7046

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

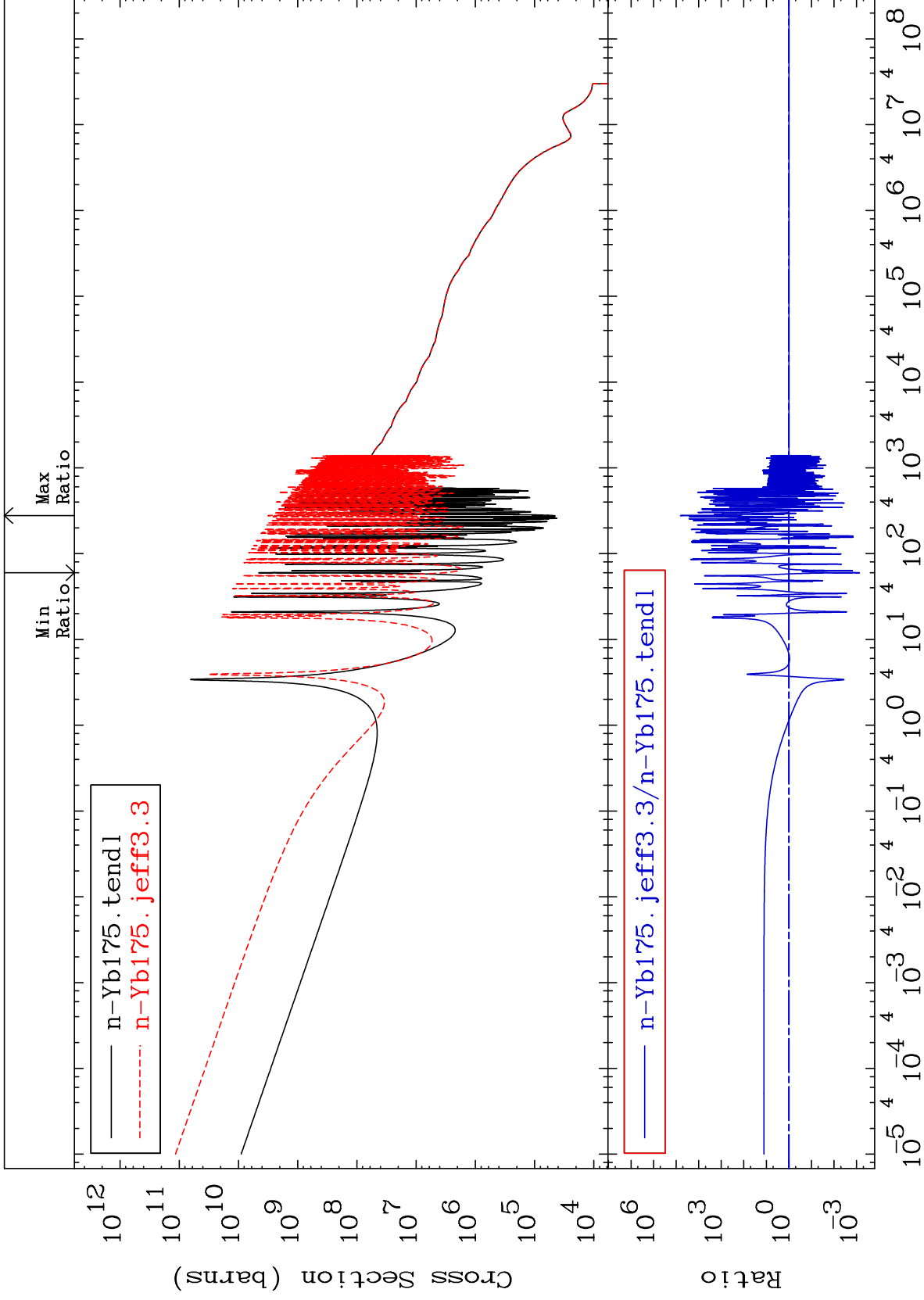
70-Yb-175
-0.001 To 0.061 %



MAT 7046

Kerma capture (mt102)
Cross Section

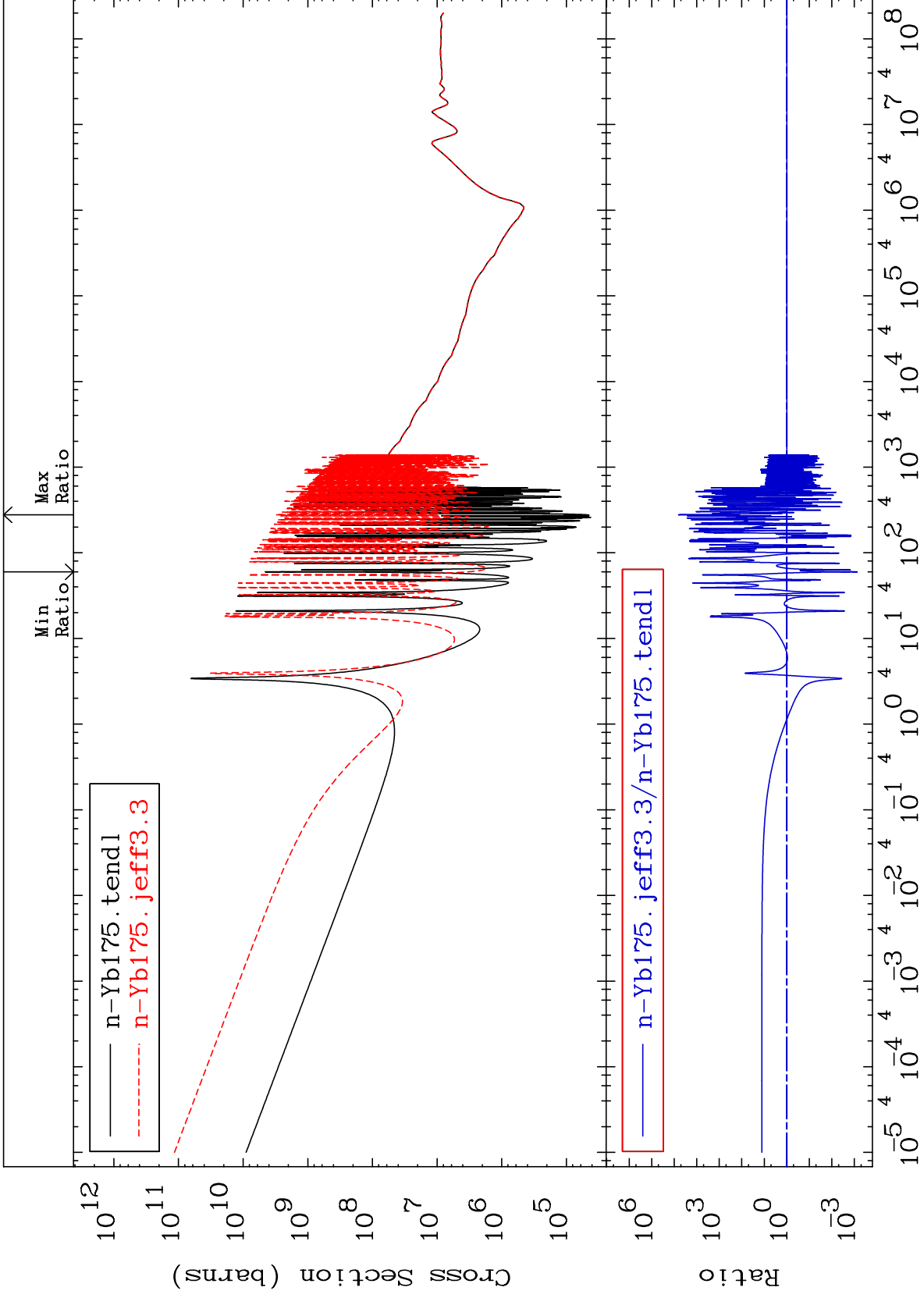
70-Yb-175
-99.93 To 9999. %

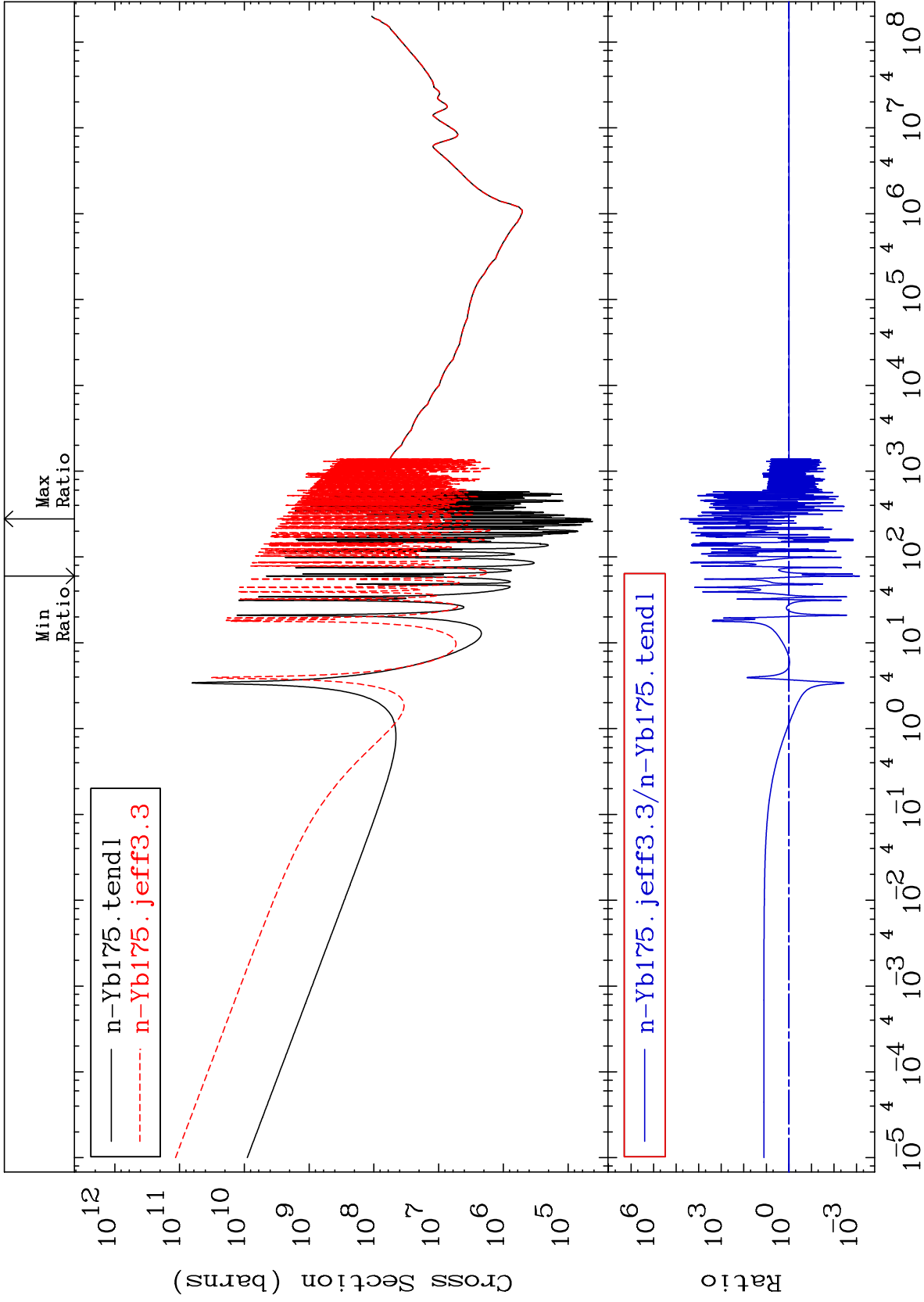


MAT 7046

Total photon (eV-barns)
Cross Section

70-Yb-175
-99.93 To 9999. %





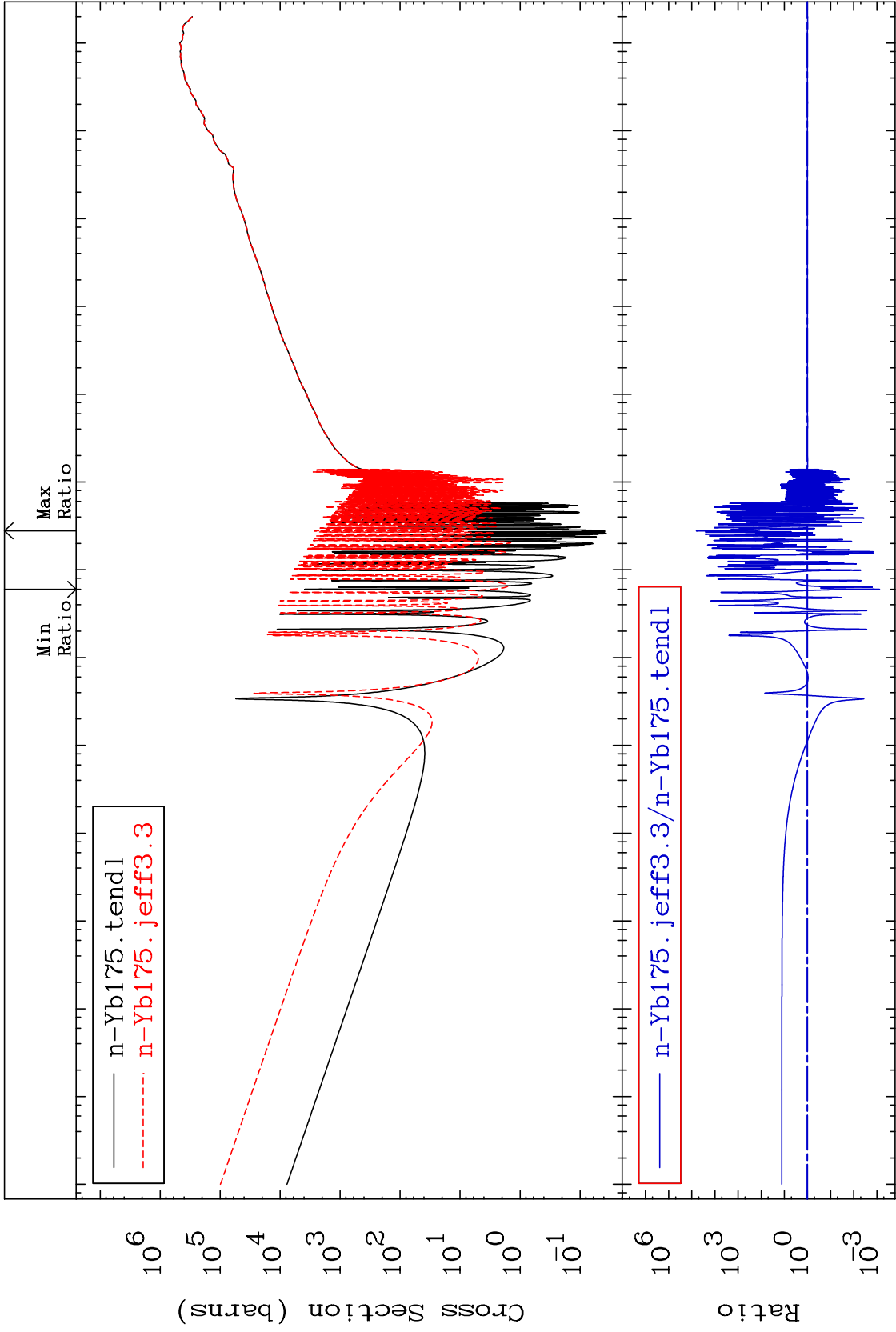
MAT 7046

Dpa total (eV-barns)

70-Yb-175

-99.92 To 9999. %

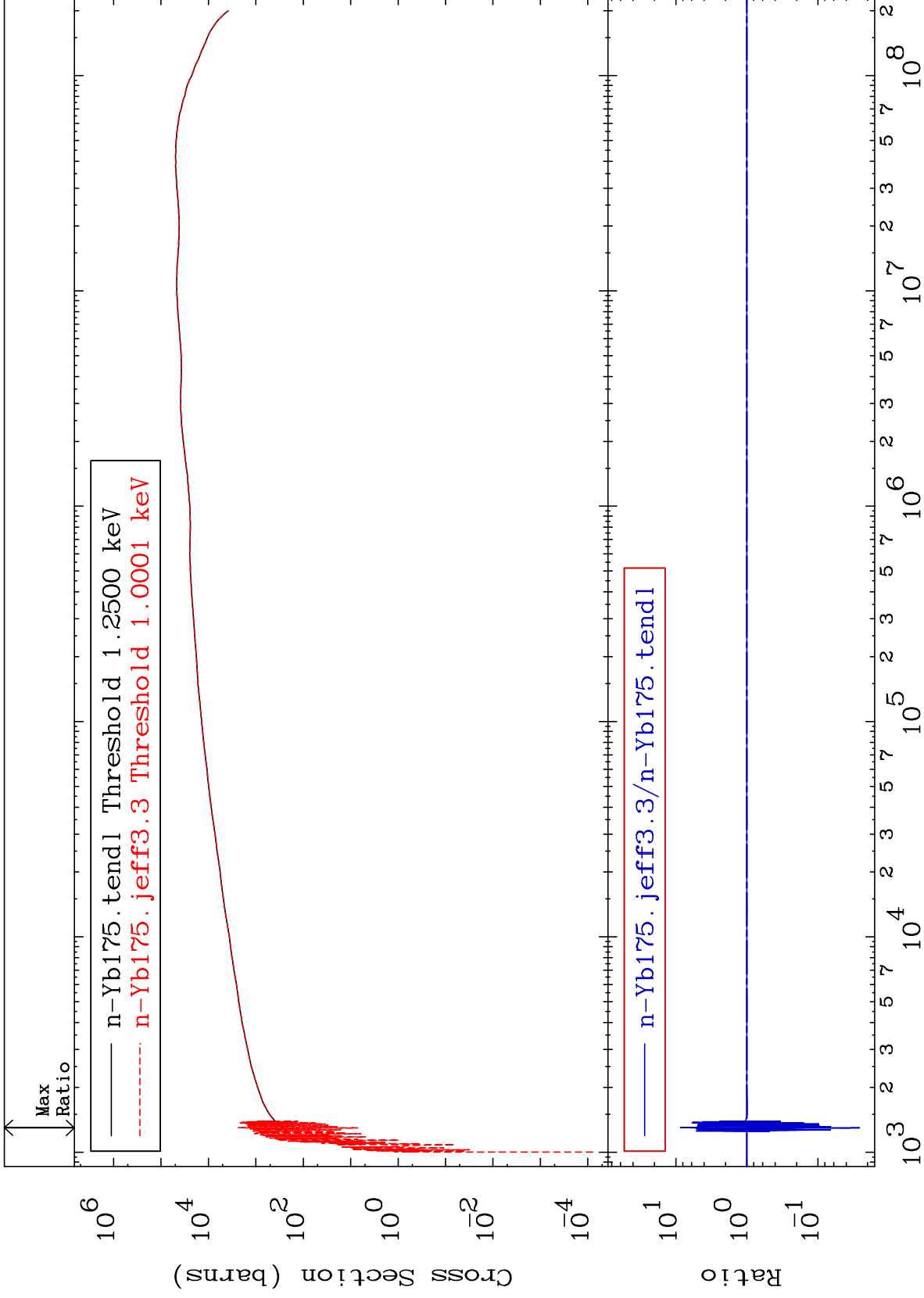
Cross Section



MAT 7046

Dpa elastic (mt2)
Cross Section

70-Yb-175
-97.39 To 763.5 %



65

Incident Energy (eV)

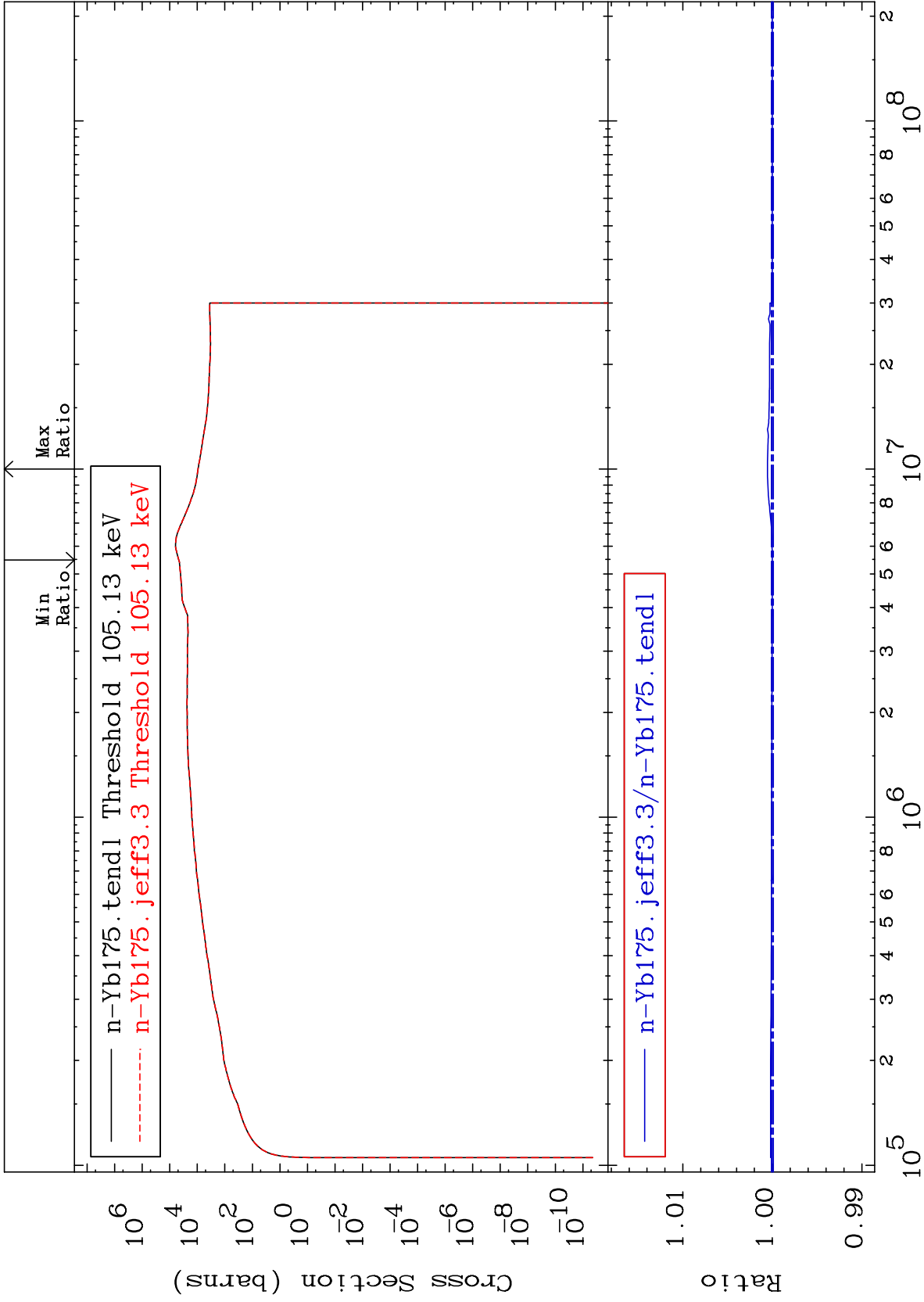
70-Yb-175

MAT 7046

Dpa inelastic (mt51-91)

70-Yb-175

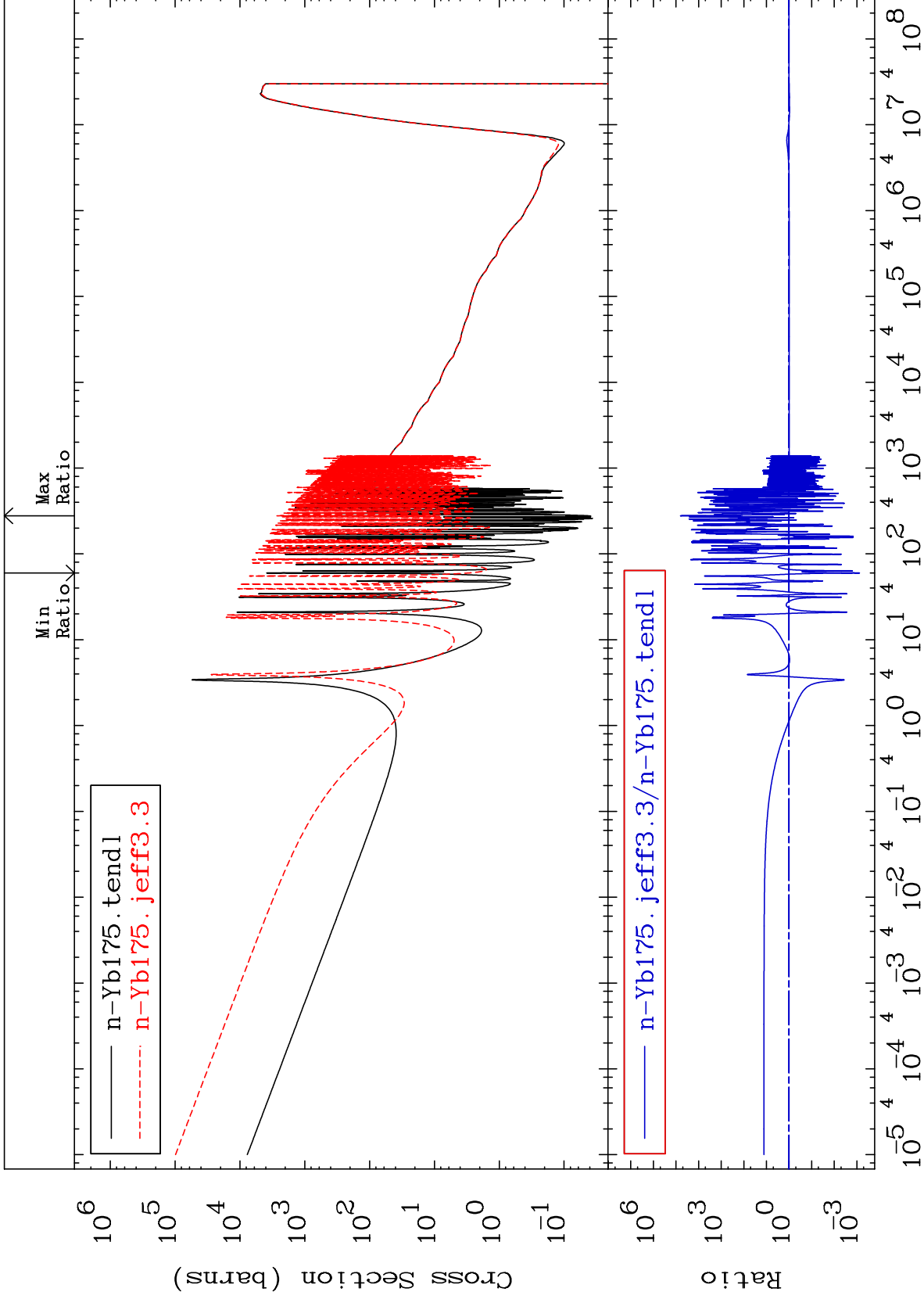
Cross Section
0.000 To 0.055 %



MAT 7046

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-175
-99.92 To 9999. %



67

Incident Energy (eV)

70-Yb-175