

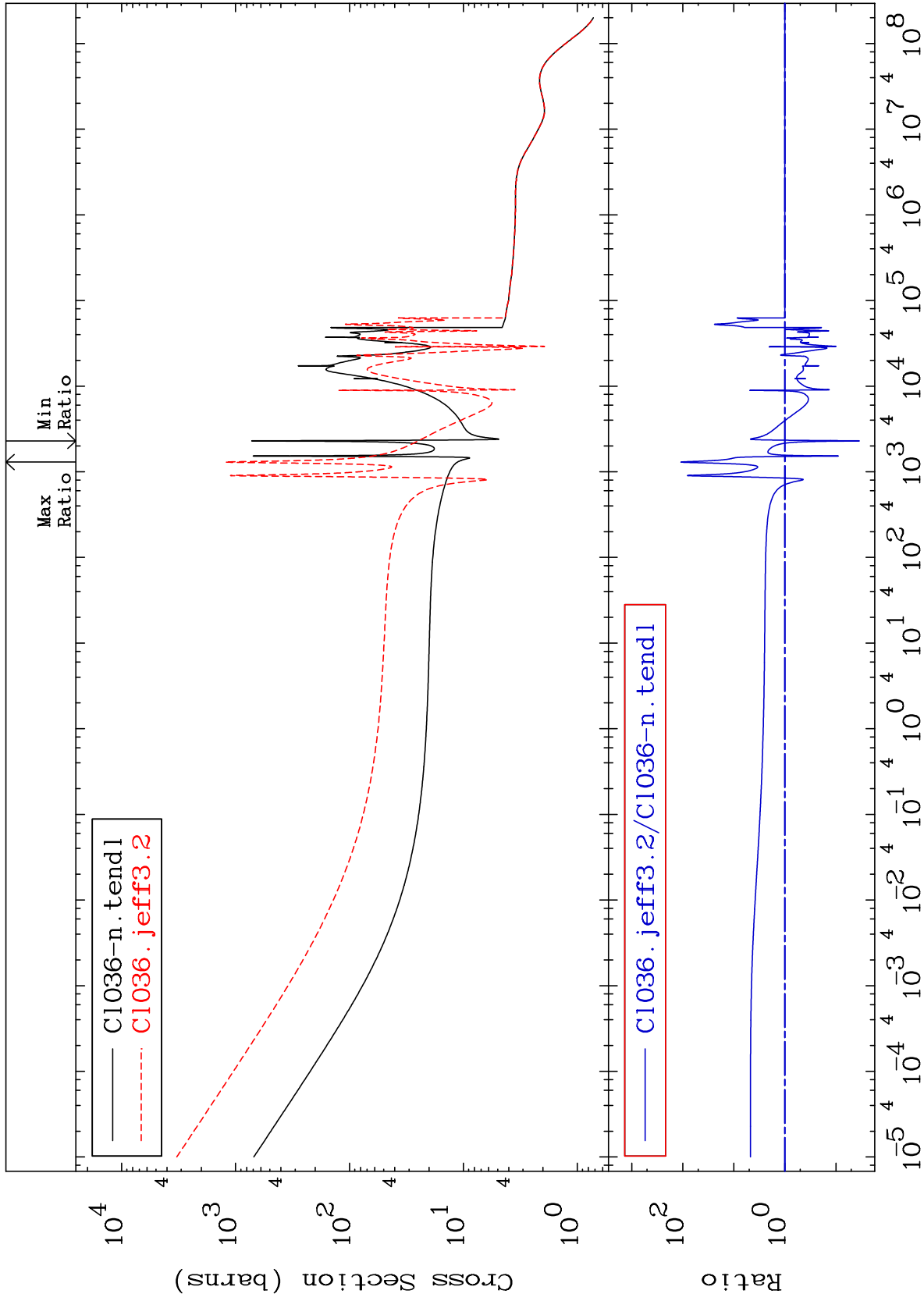
MAT 1728

Total

17-Cl-36

Cross Section

-96.55 To 9999. %



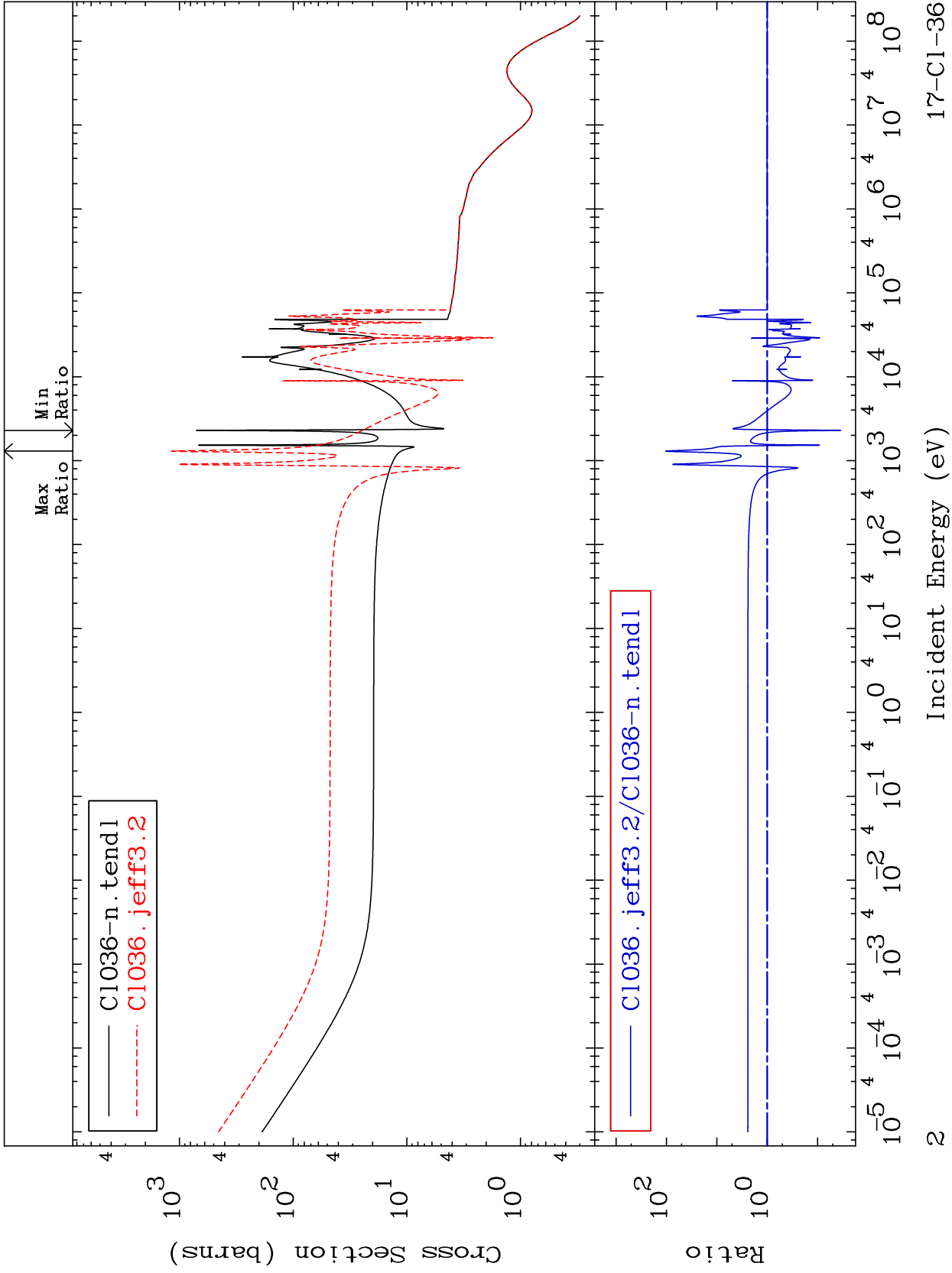
Incident Energy (eV)

17-Cl-36

MAT 1728

Elastic
Cross Section

17-Cl-36
-96.53 To 9999. %



17-Cl-36

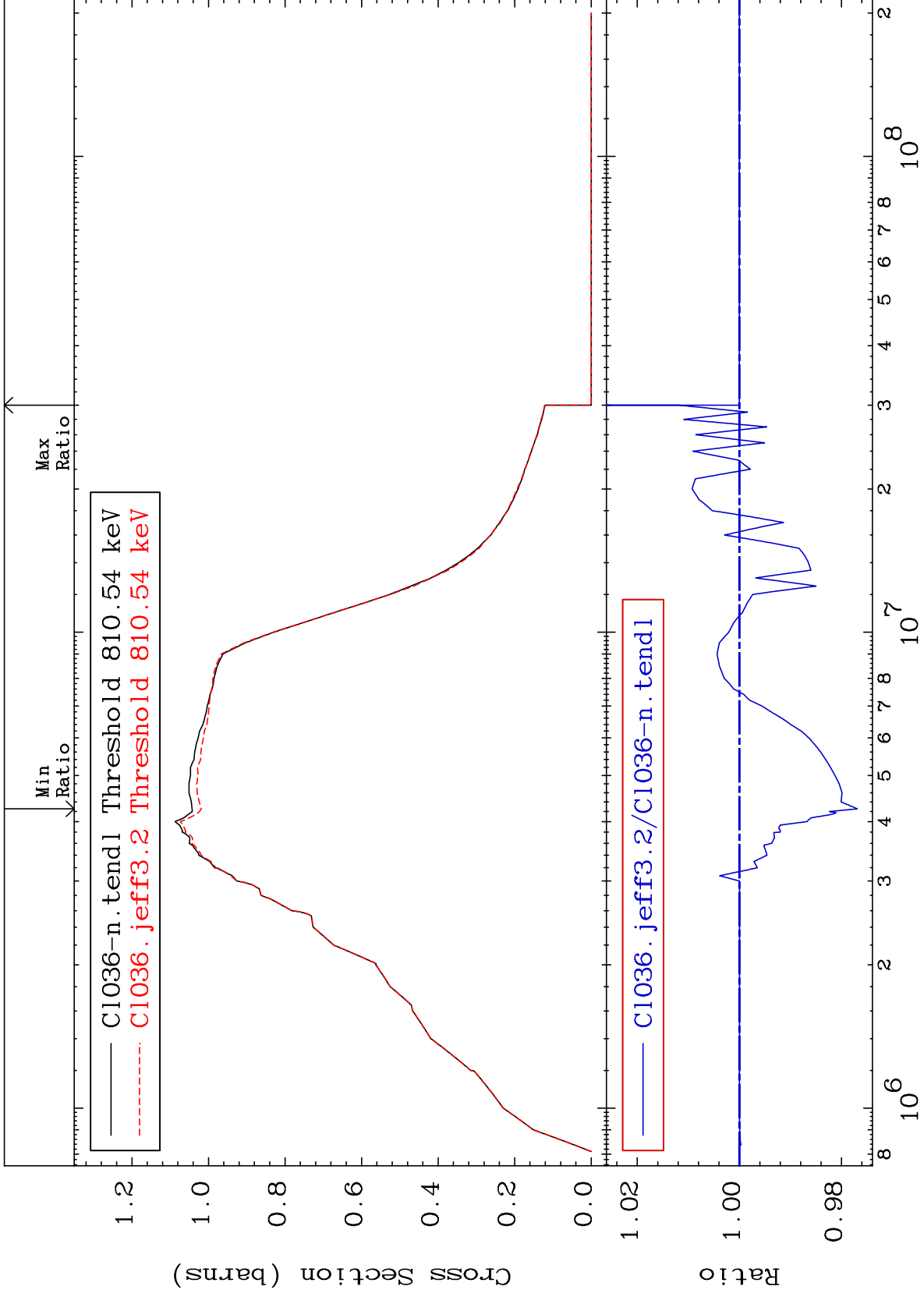
Incident Energy (eV)

2

MAT 1728

Inelastic
Cross Section

17-Cl-36
-2.309 To 1.190 %



Incident Energy (eV)

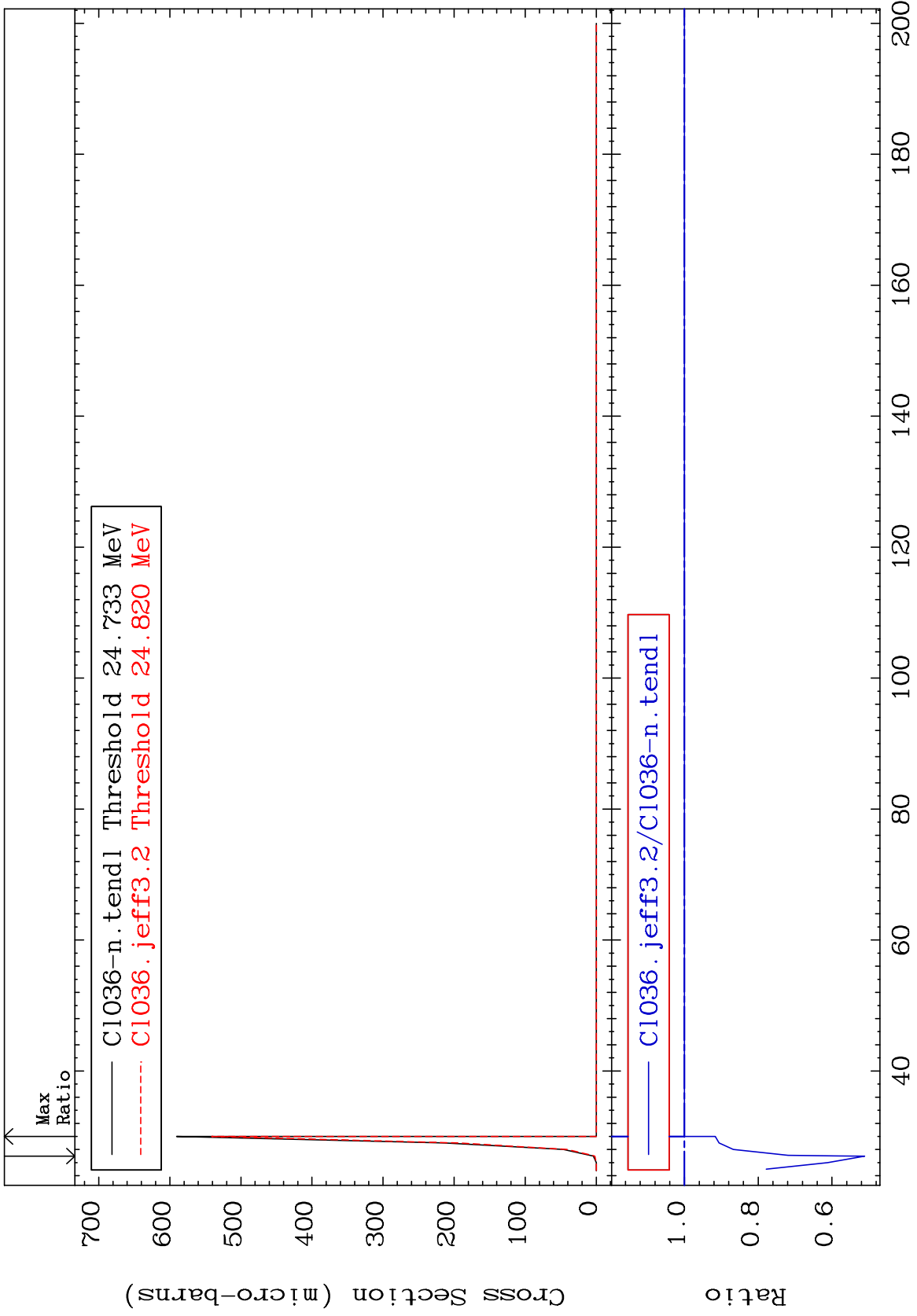
17-Cl-36

3

MAT 1728

(n,2n) d
Cross Section

17-Cl-36
-48.86 To 0.000 %



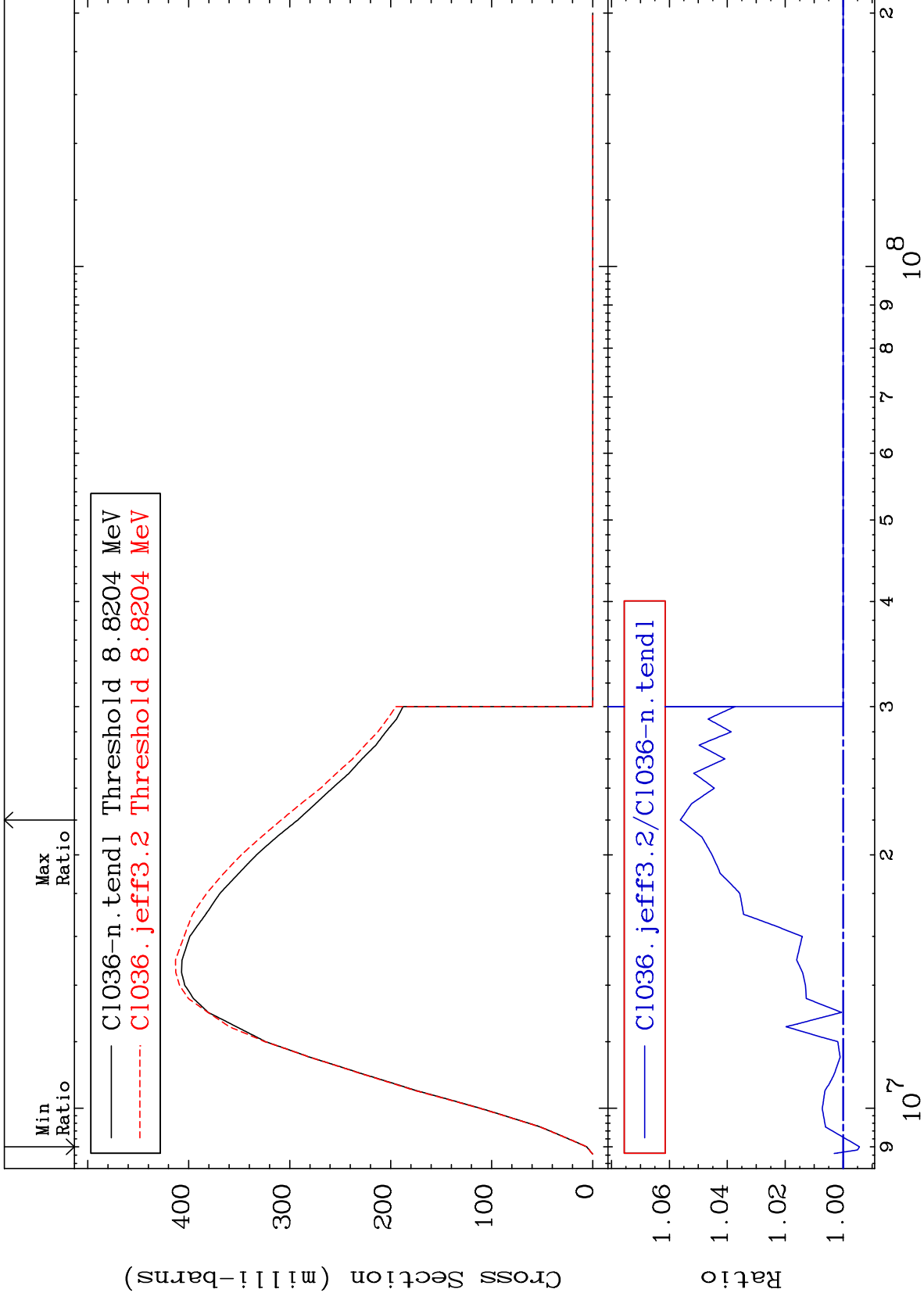
MAT 1728

(n,2n)

17-Cl-36

Cross Section

-0.562 To 5.621 %



5

Incident Energy (eV)

17-Cl-36

MAT 1728

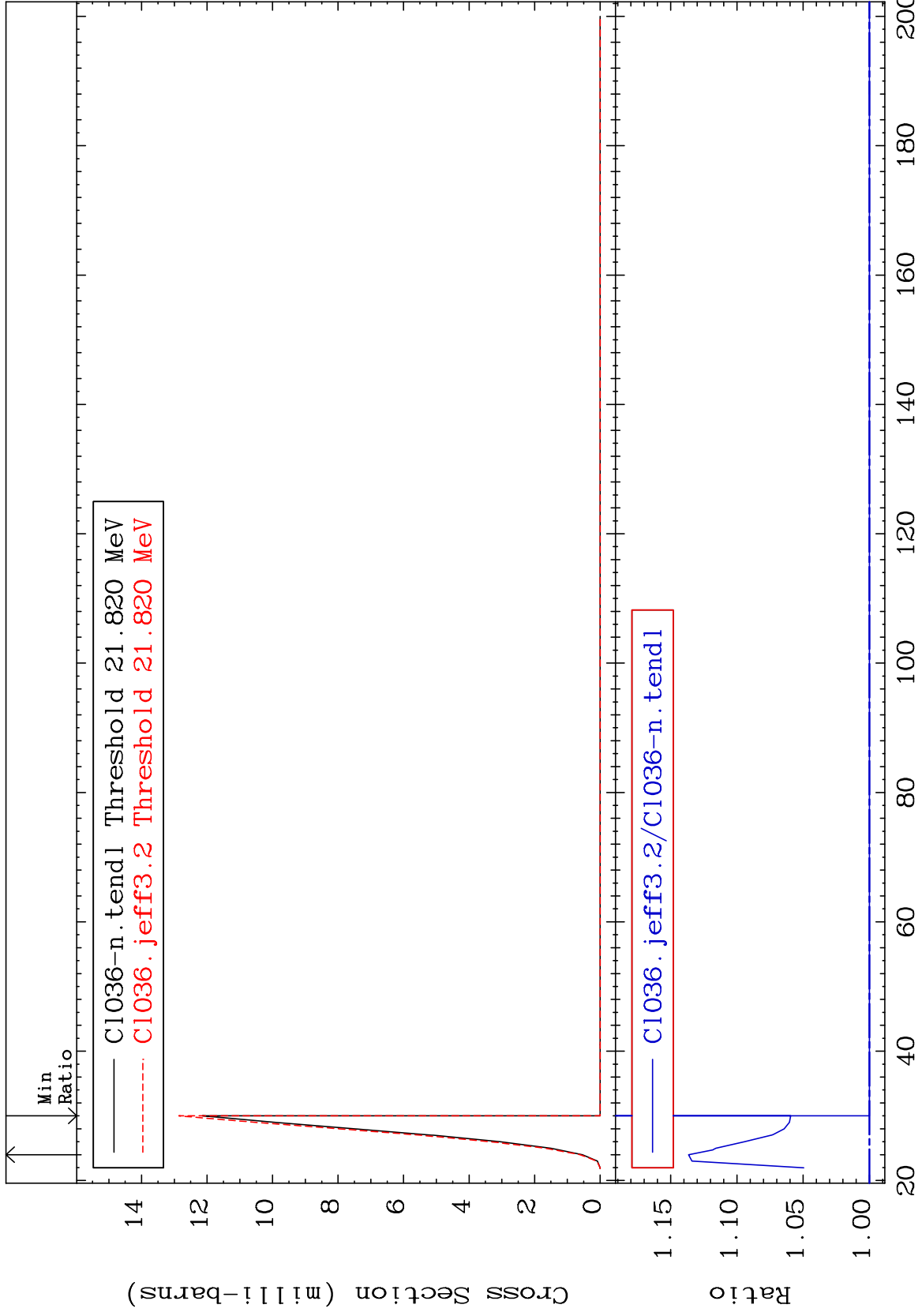
(n,3n)

17-Cl-36

Cross Section

0.000

To 13.65 %



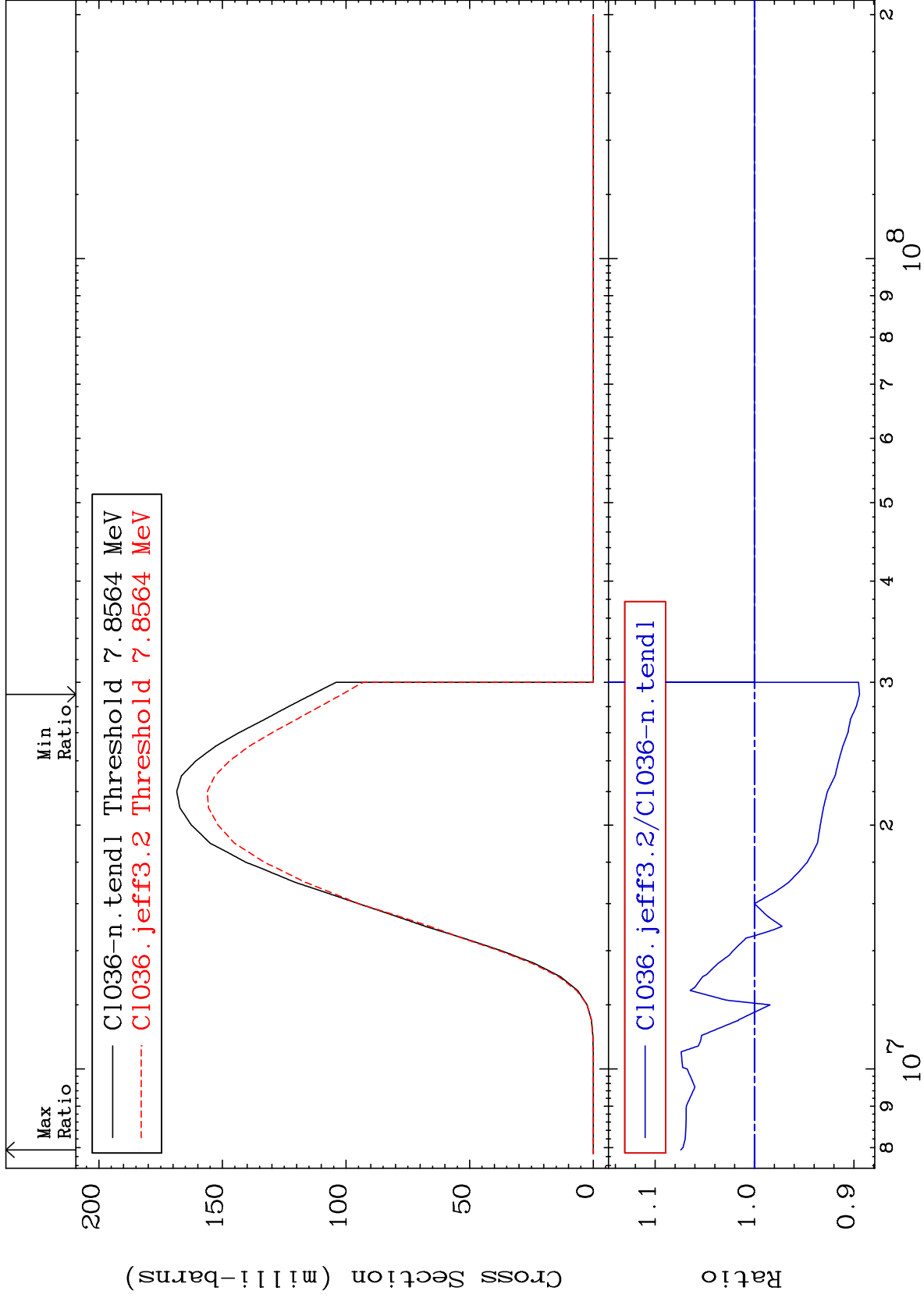
17-Cl-36

6

MAT 1728

(n, n') α
Cross Section

17-Cl-36
-10.57 To 7.422 %



7

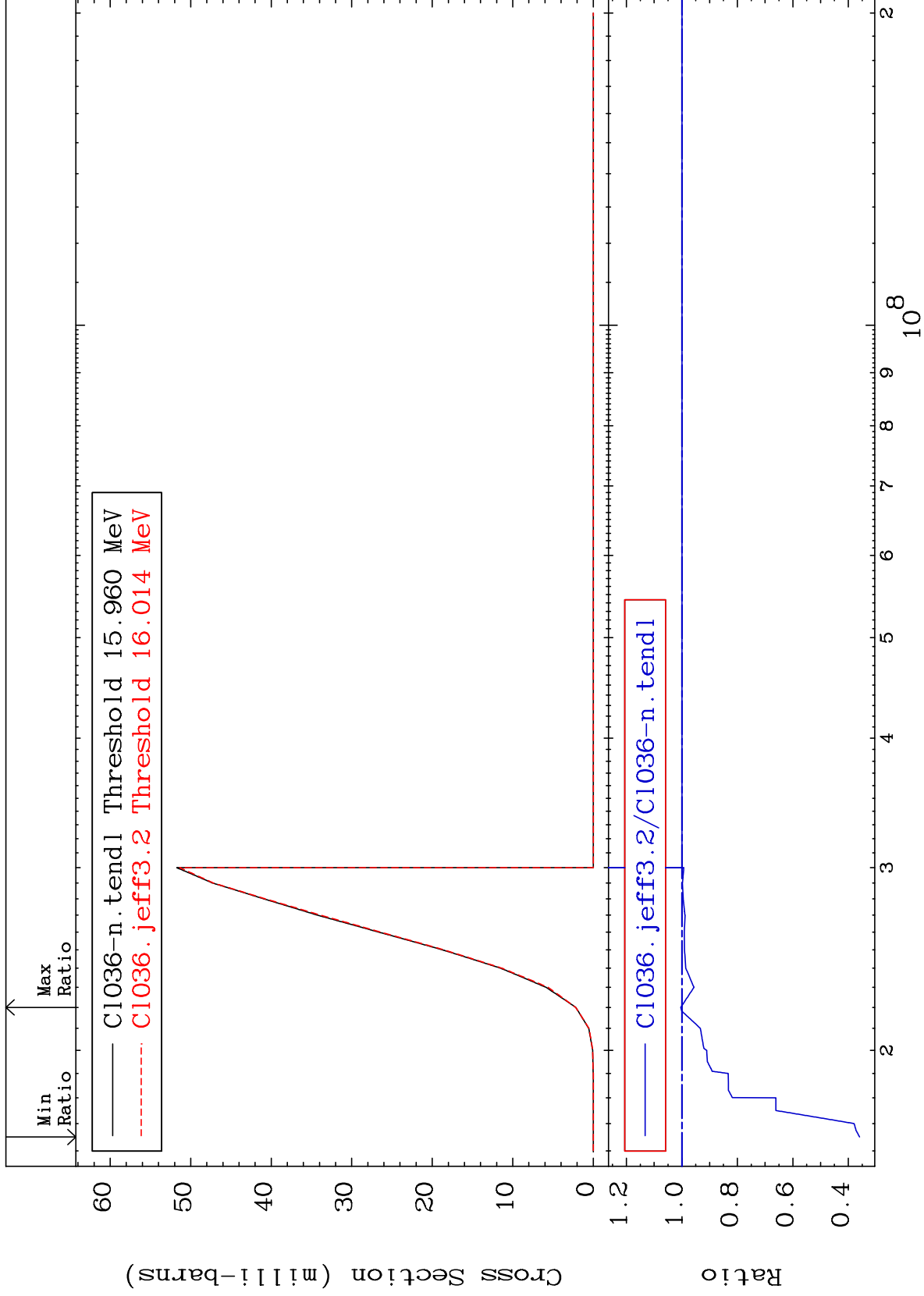
Incident Energy (eV)

17-Cl-36

MAT 1728

(n,2n) α
Cross Section

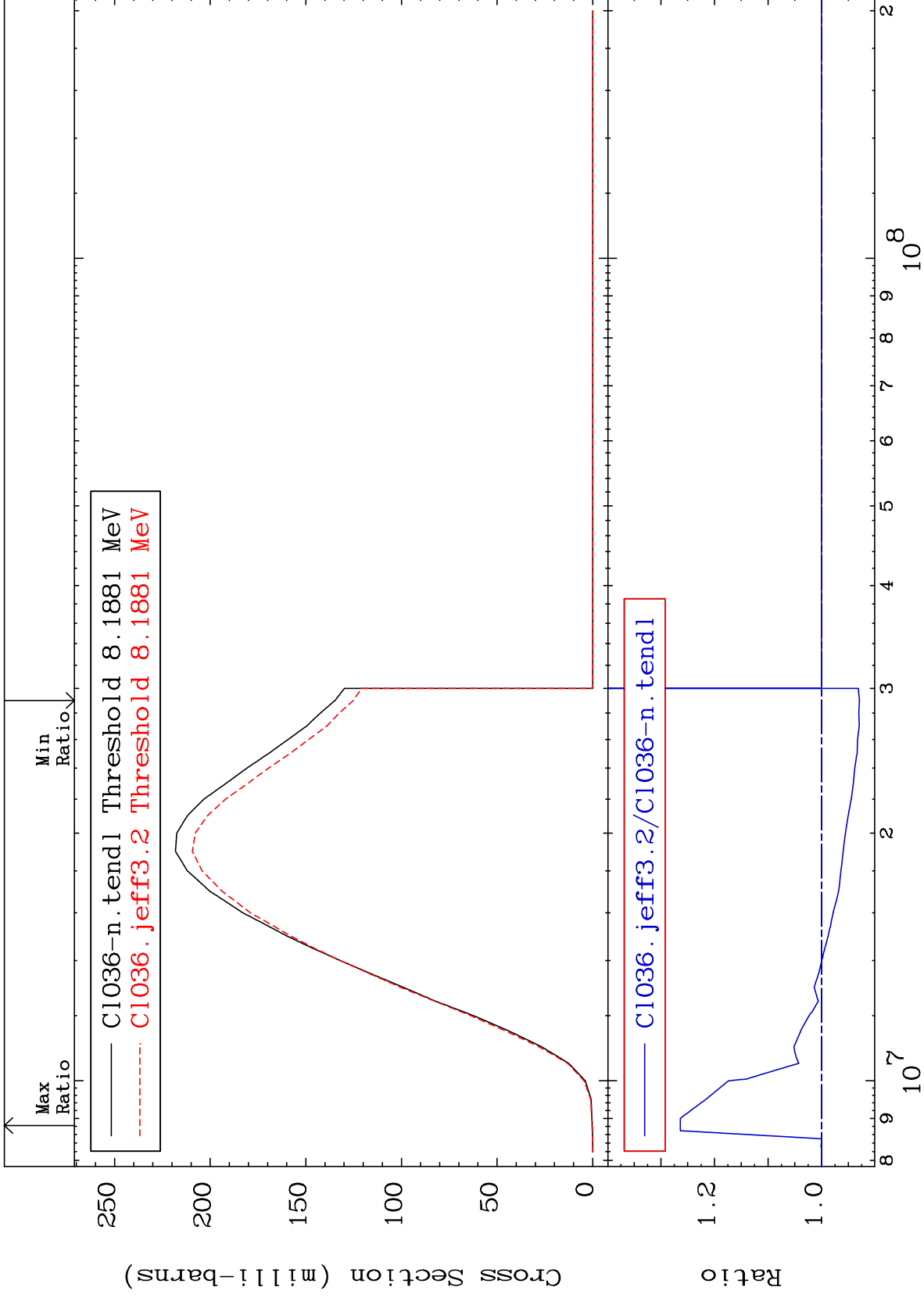
17-Cl-36
-64.05 To 0.402 %



MAT 1728

(n,n') p
Cross Section

17-Cl-36
-7.077 To 26.37 %



9

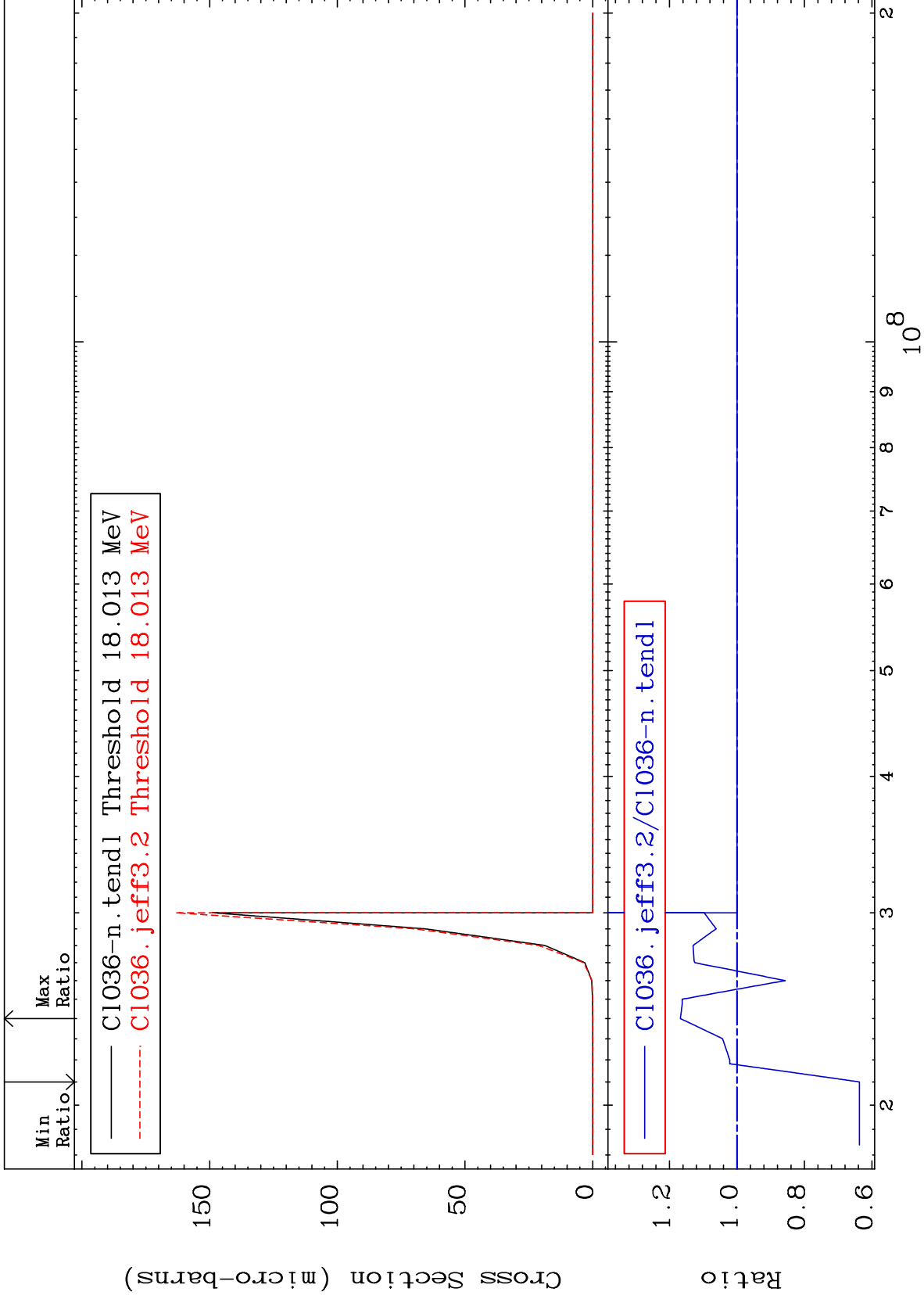
Incident Energy (eV)

17-Cl-36

MAT 1728

(n, n') 2 α
Cross Section

17-Cl-36
-36.29 To 16.76 %



10

Incident Energy (eV)

17-Cl-36

MAT 1728

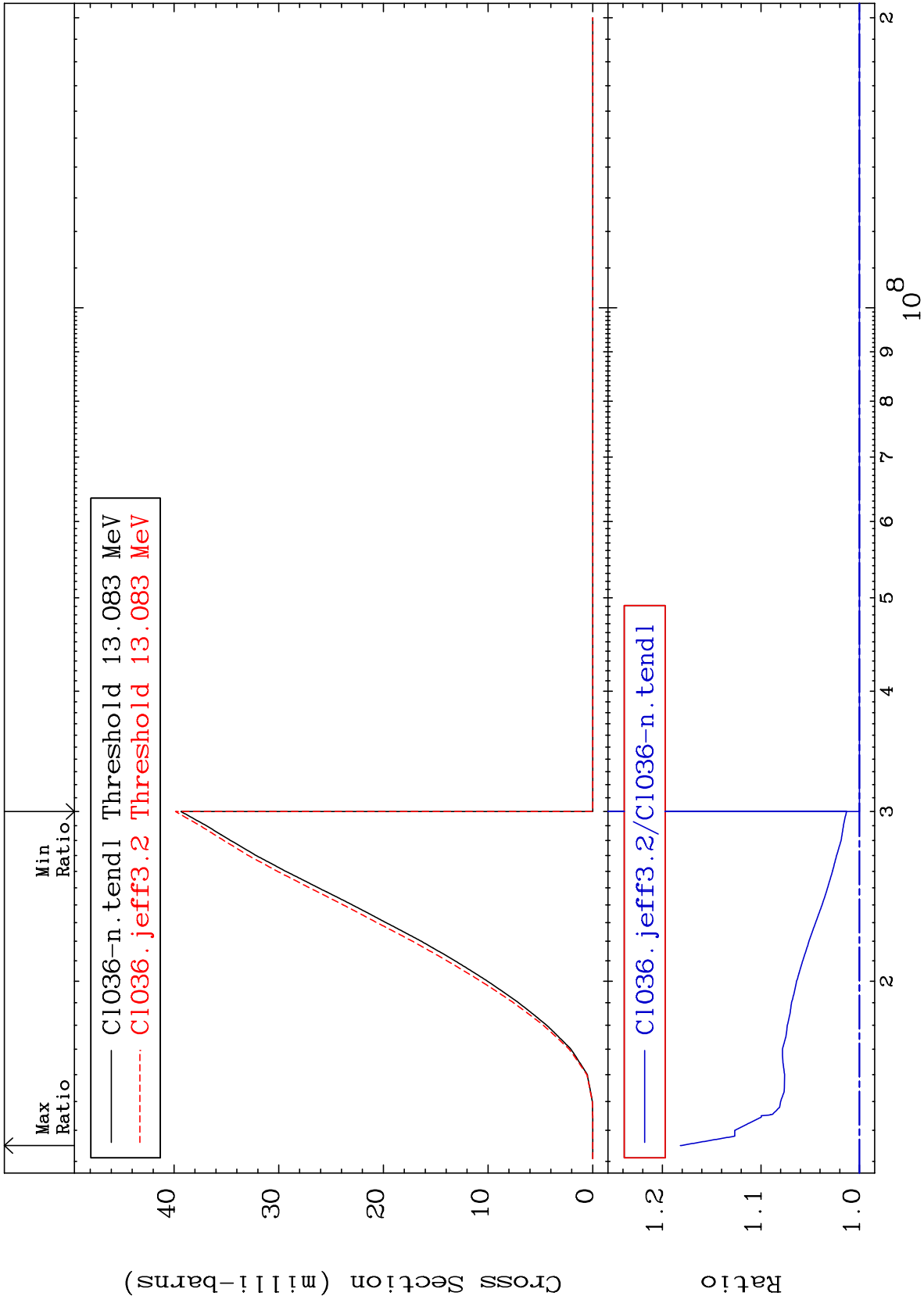
(n,n') d

17-Cl-36

Cross Section

0.000

To 18.18 %



11

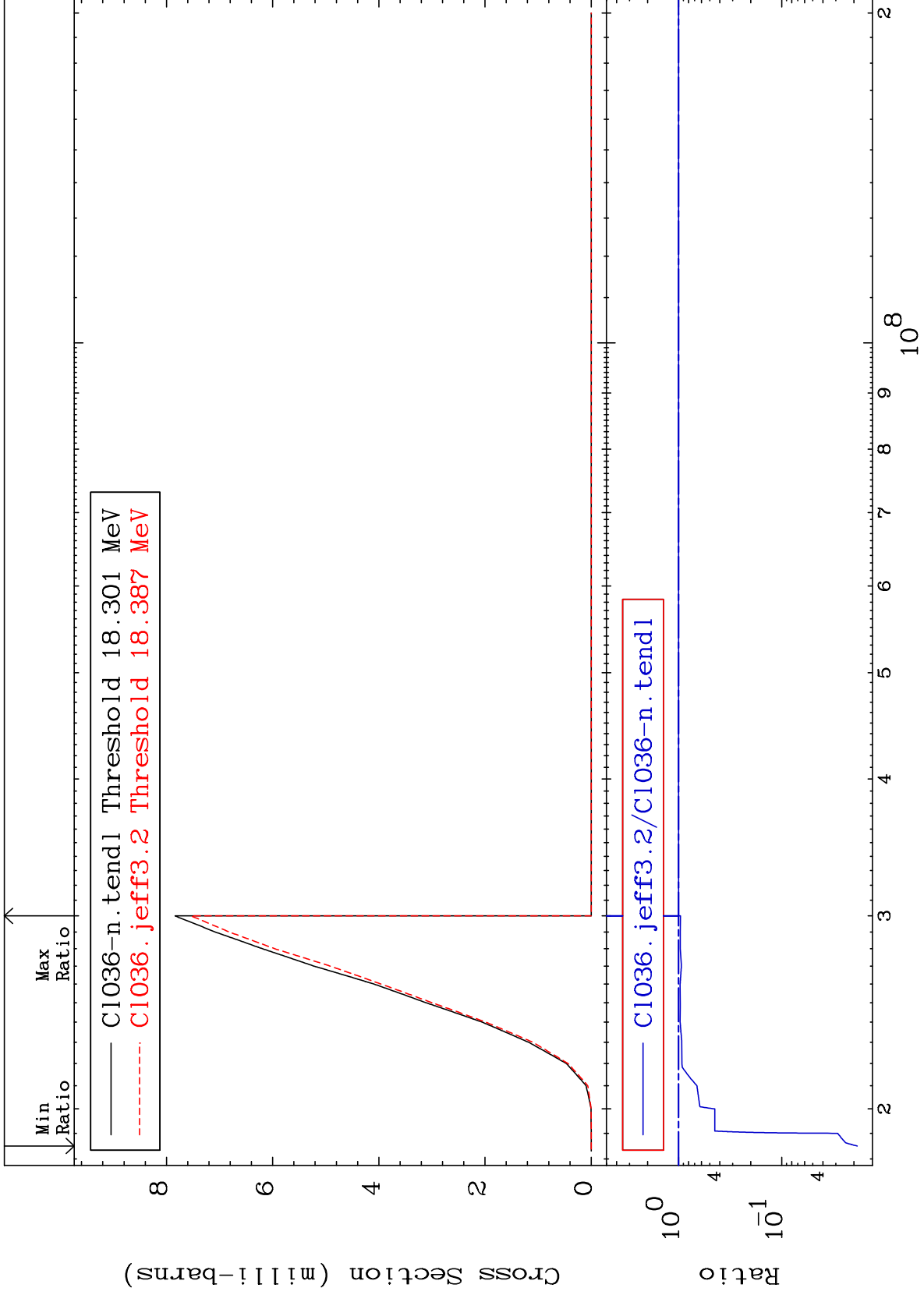
Incident Energy (eV)

17-Cl-36

MAT 1728

(n,n') t
Cross Section

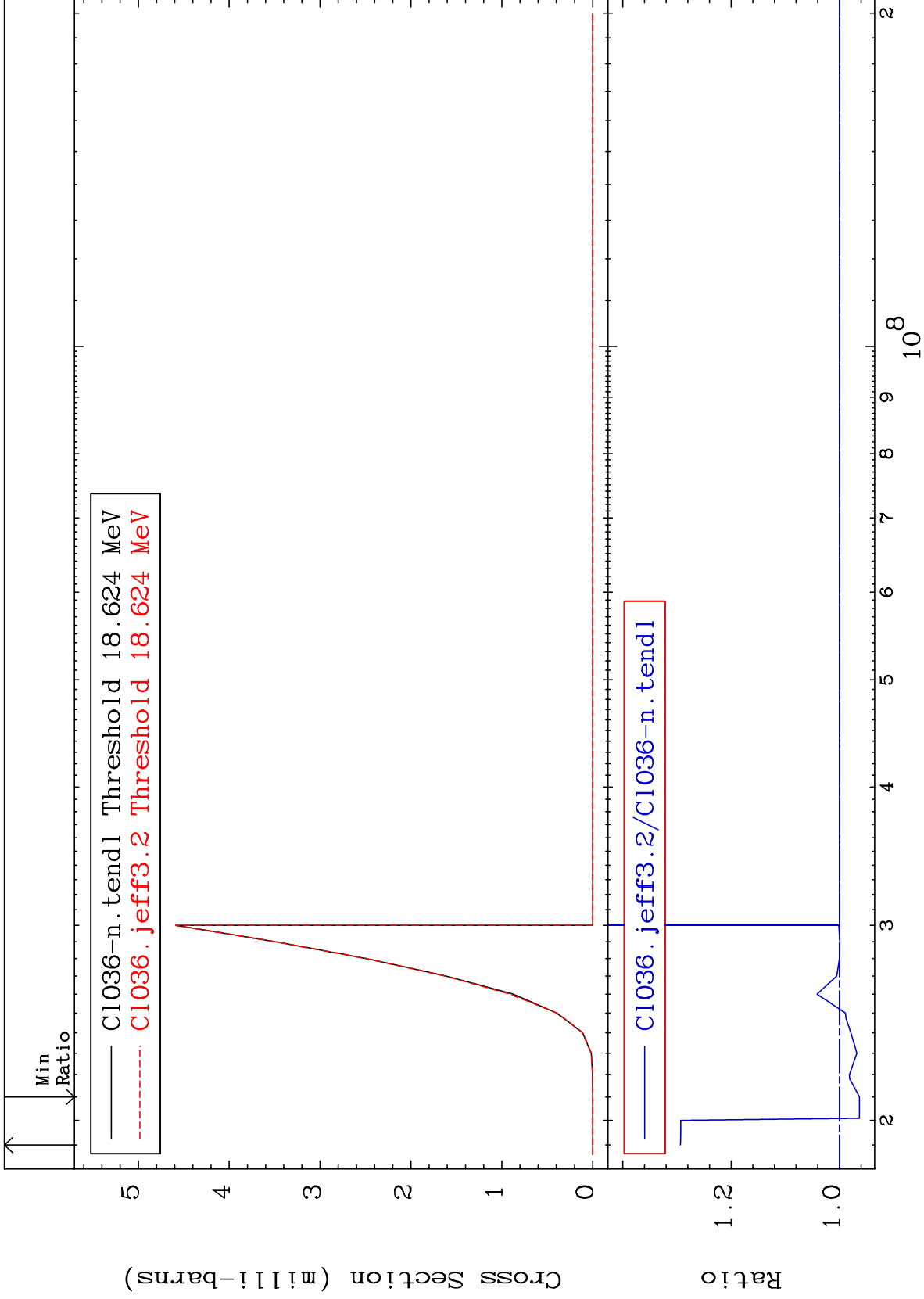
17-Cl-36
-98.14 To 0.000 %



MAT 1728

(n, n') He-3
Cross Section

17-Cl-36
-3.686 To 29.38 %



13

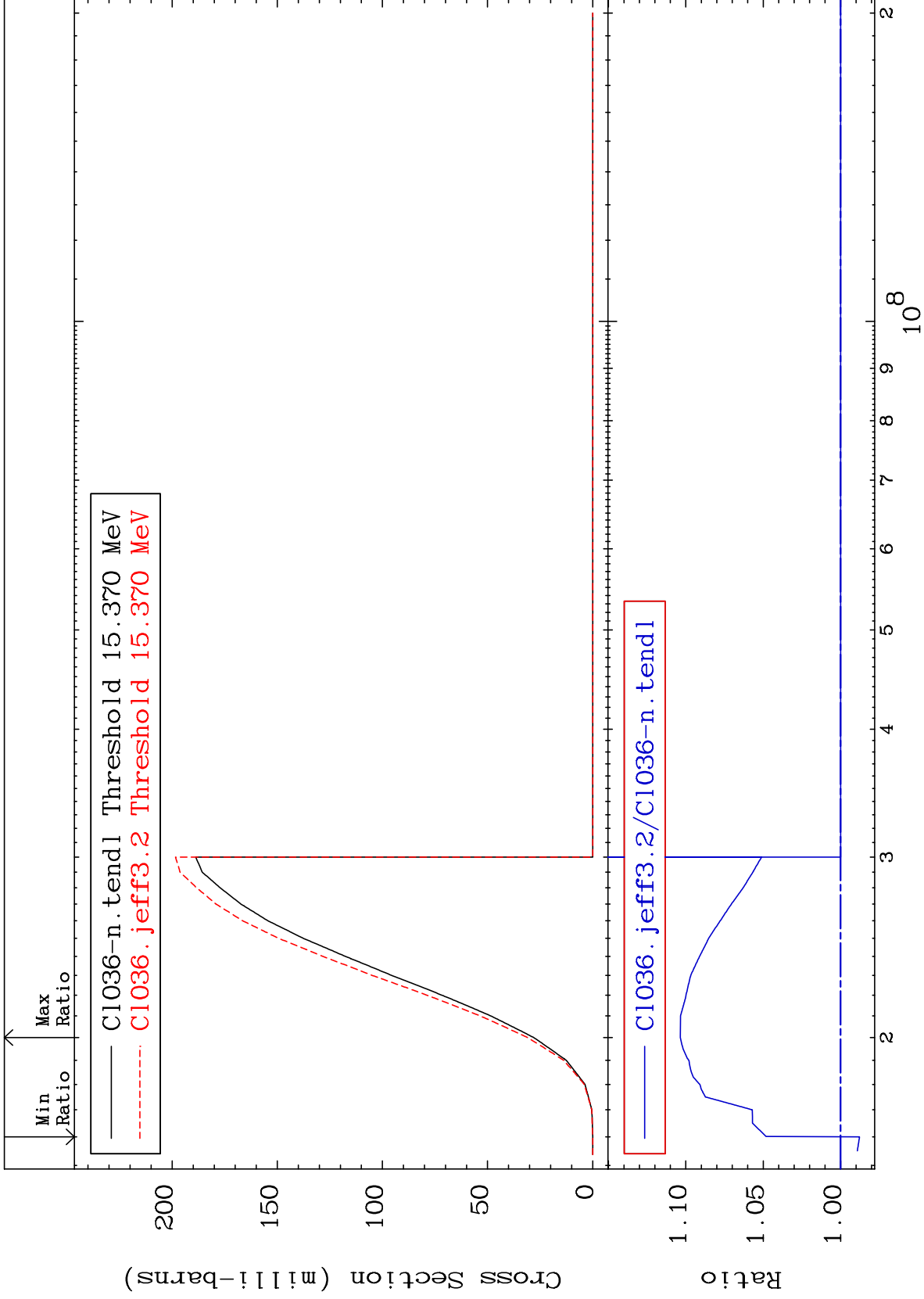
Incident Energy (eV)

17-Cl-36

MAT 1728

(n,2n) p
Cross Section

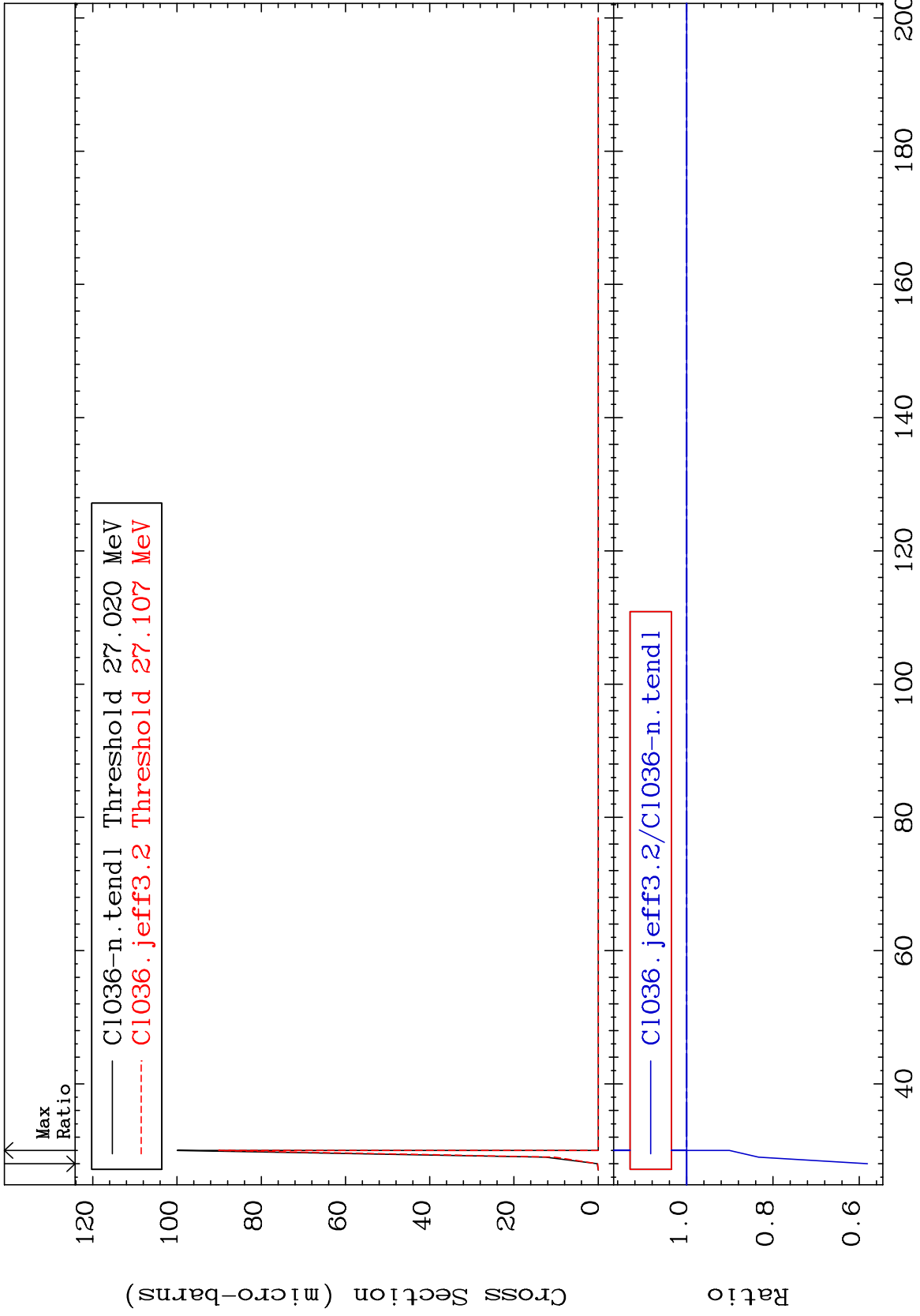
17-Cl-36
-1.219 To 10.35 %



MAT 1728

(n,3n) p
Cross Section

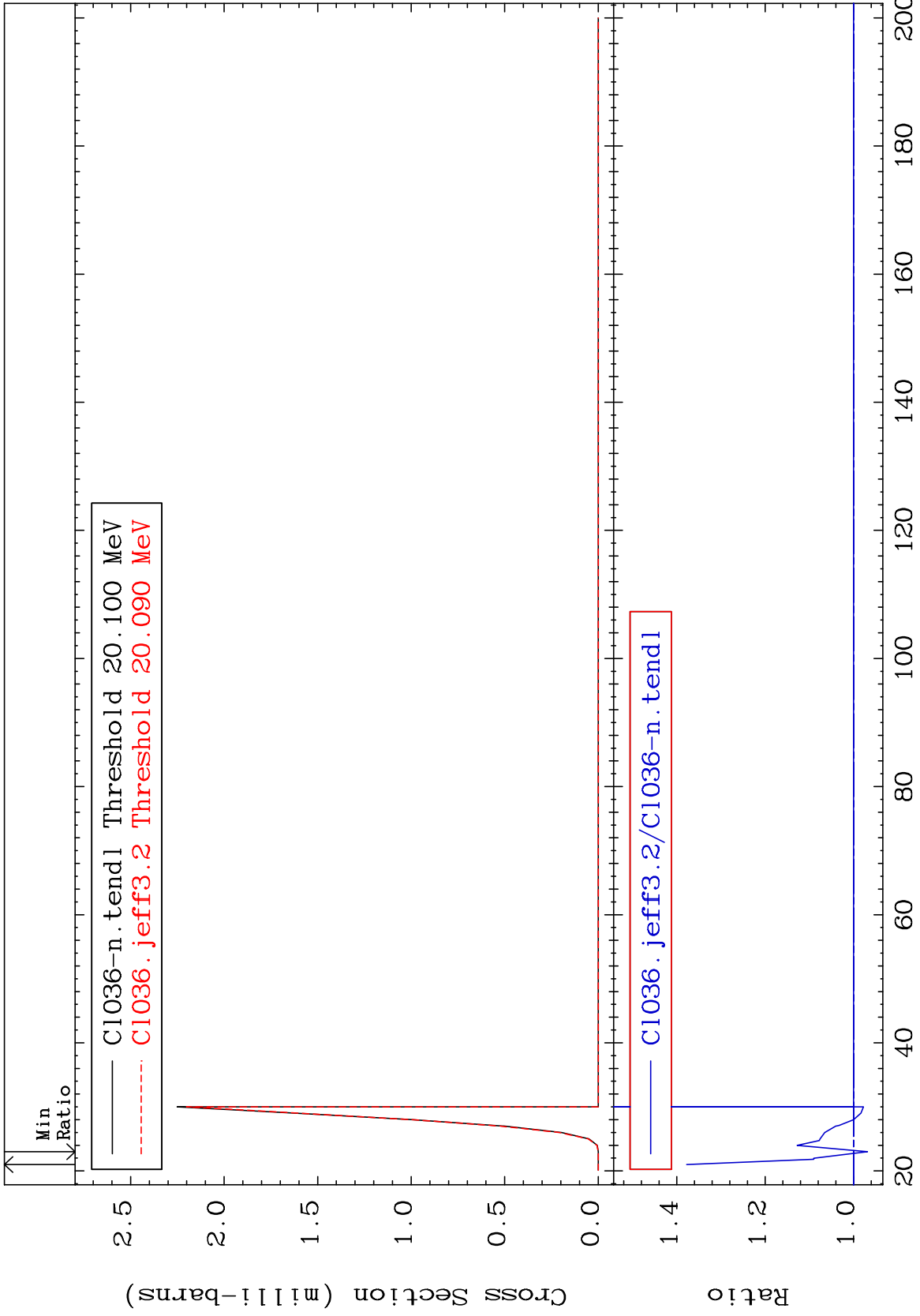
17-Cl-36
-41.91 To 0.000 %



MAT 1728

(n,2n) p
Cross Section

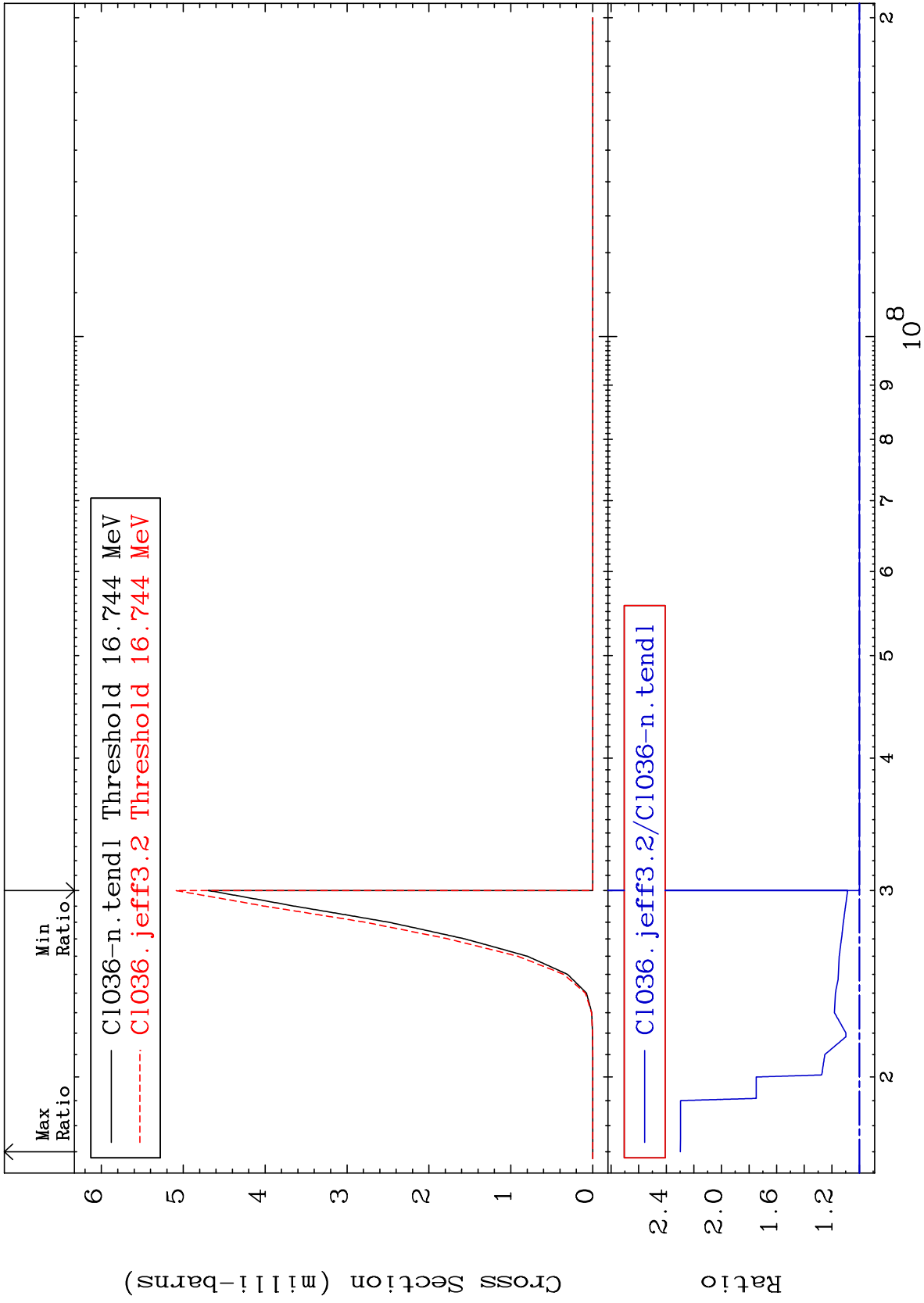
17-Cl-36
-3.146 To 37.77 %



MAT 1728

(n,n') p α
Cross Section

17-Cl-36
0.000 To 129.8 %



17

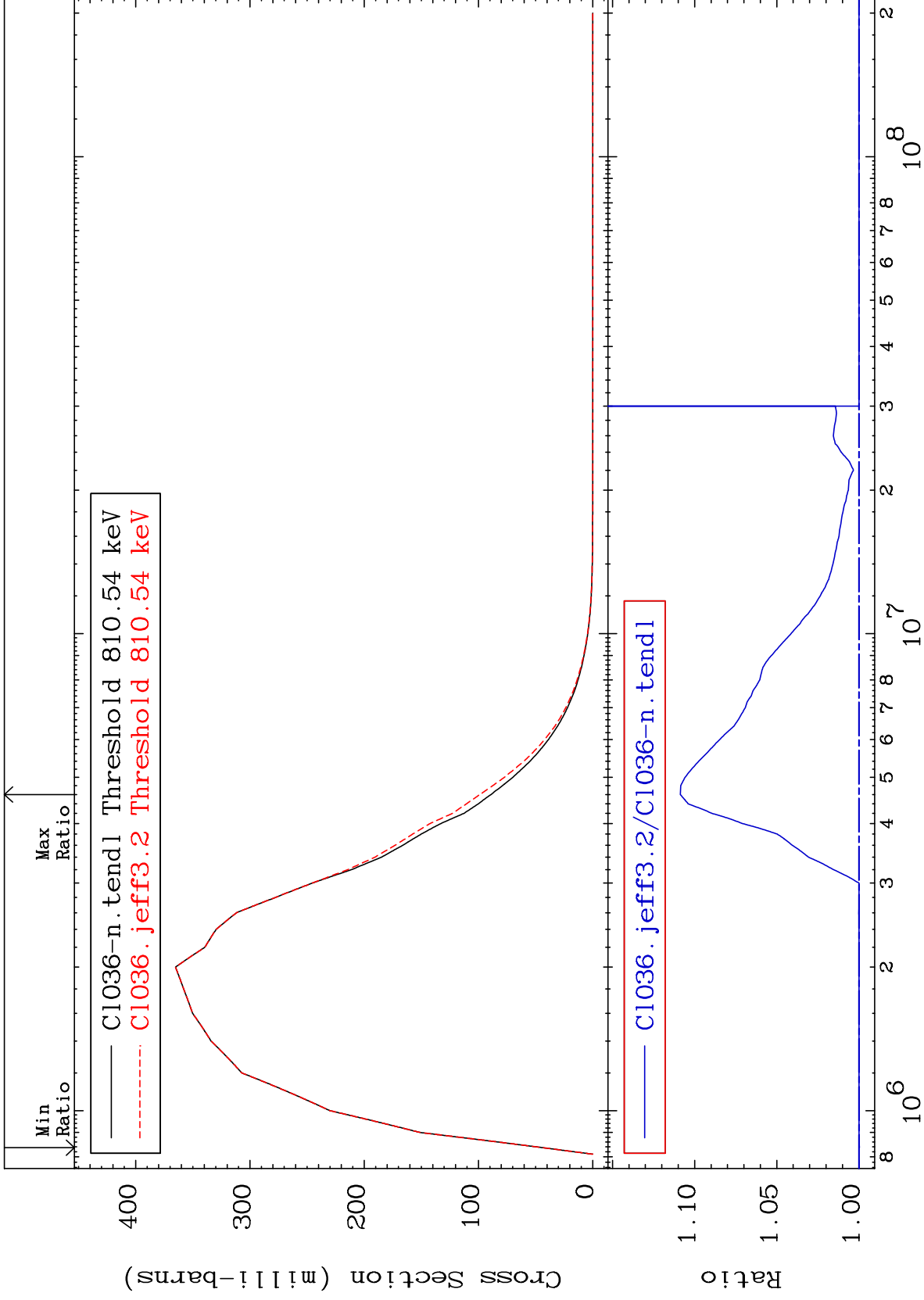
Incident Energy (eV)

17-Cl-36

MAT 1728

788.4 keV (n,n') Level
Cross Section

17-Cl-36
-0.031 To 10.87 %



18

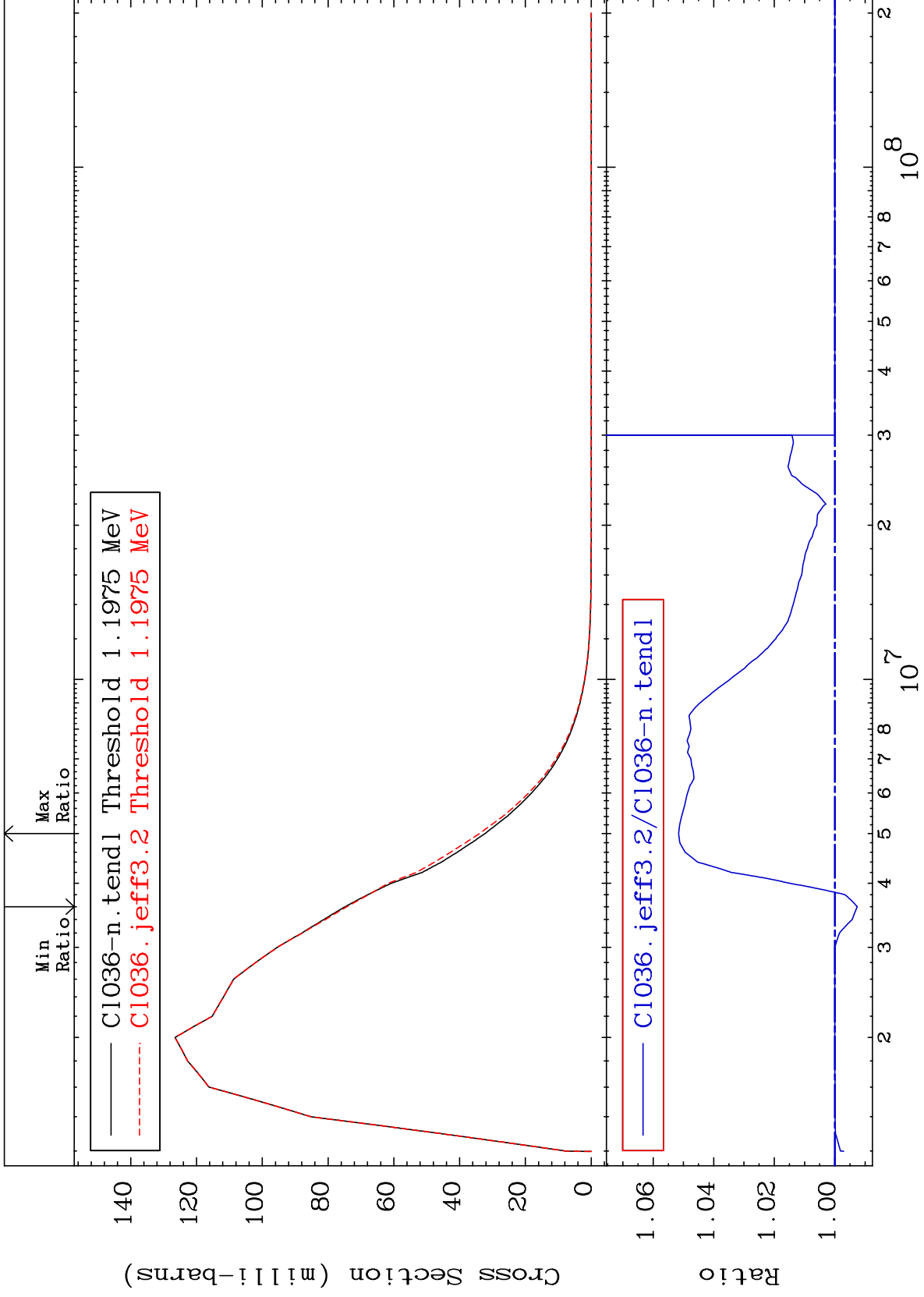
Incident Energy (eV)

17-Cl-36

MAT 1728

1.165 MeV (n,n') Level
Cross Section

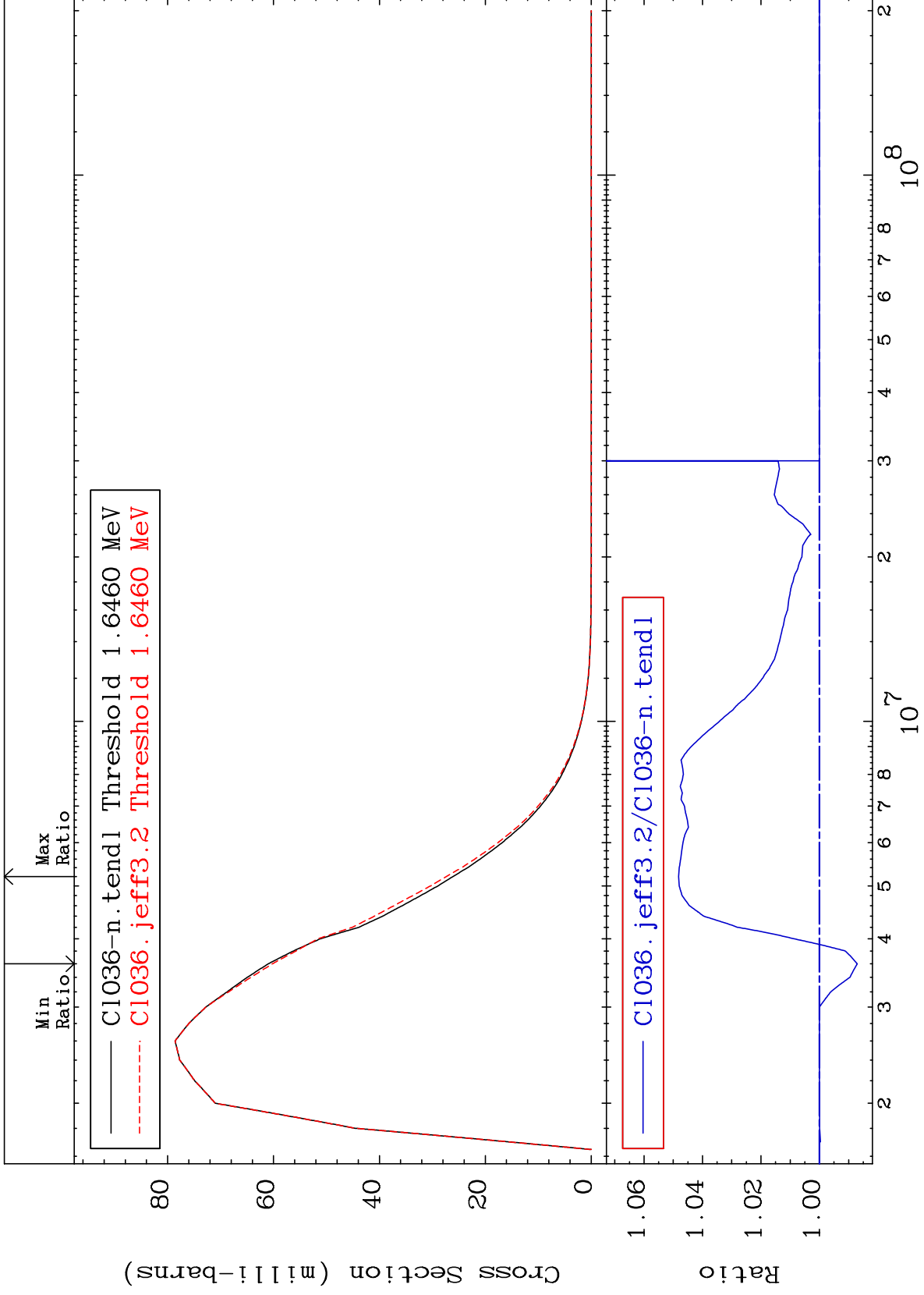
17-Cl-36
-0.741 To 5.159 %



MAT 1728

1.601 MeV (n,n') Level
Cross Section

17-Cl-36
-1.295 To 4.817 %



20

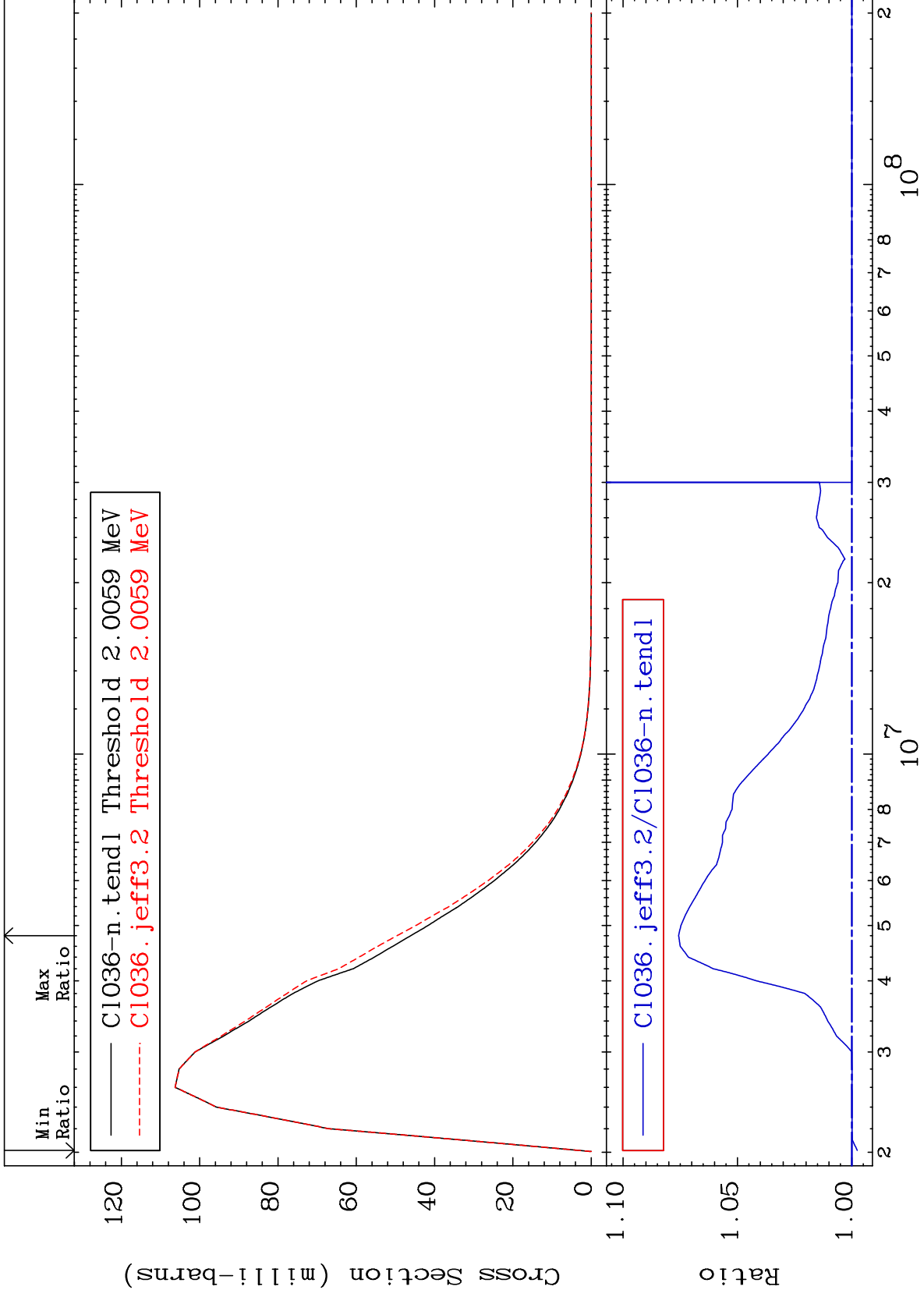
Incident Energy (eV)

17-Cl-36

MAT 1728

1.951 MeV (n,n') Level
Cross Section

17-Cl-36
-0.233 To 7.569 %



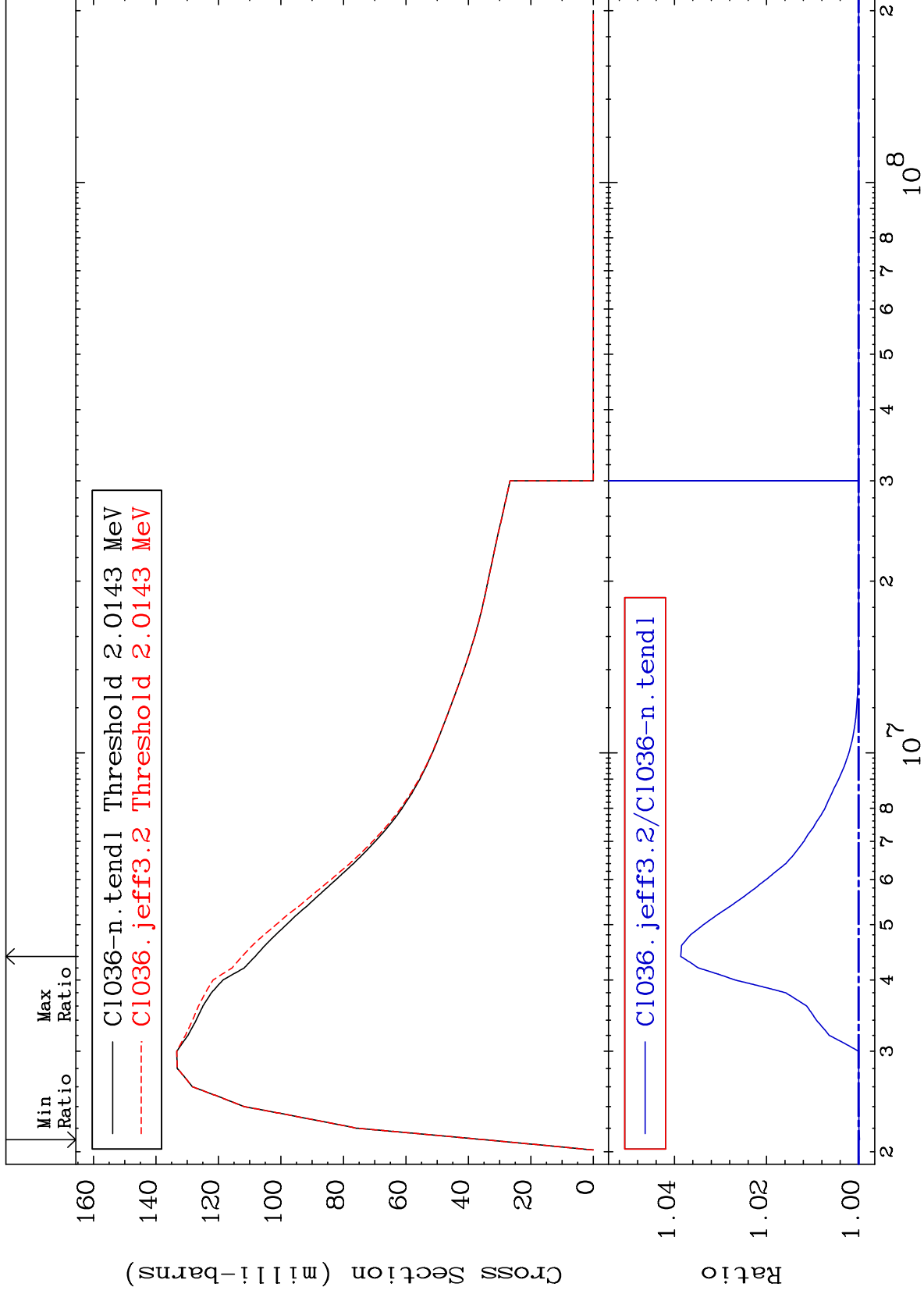
MAT 1728

1.959 MeV (n,n') Level

17-Cl-36

Cross Section

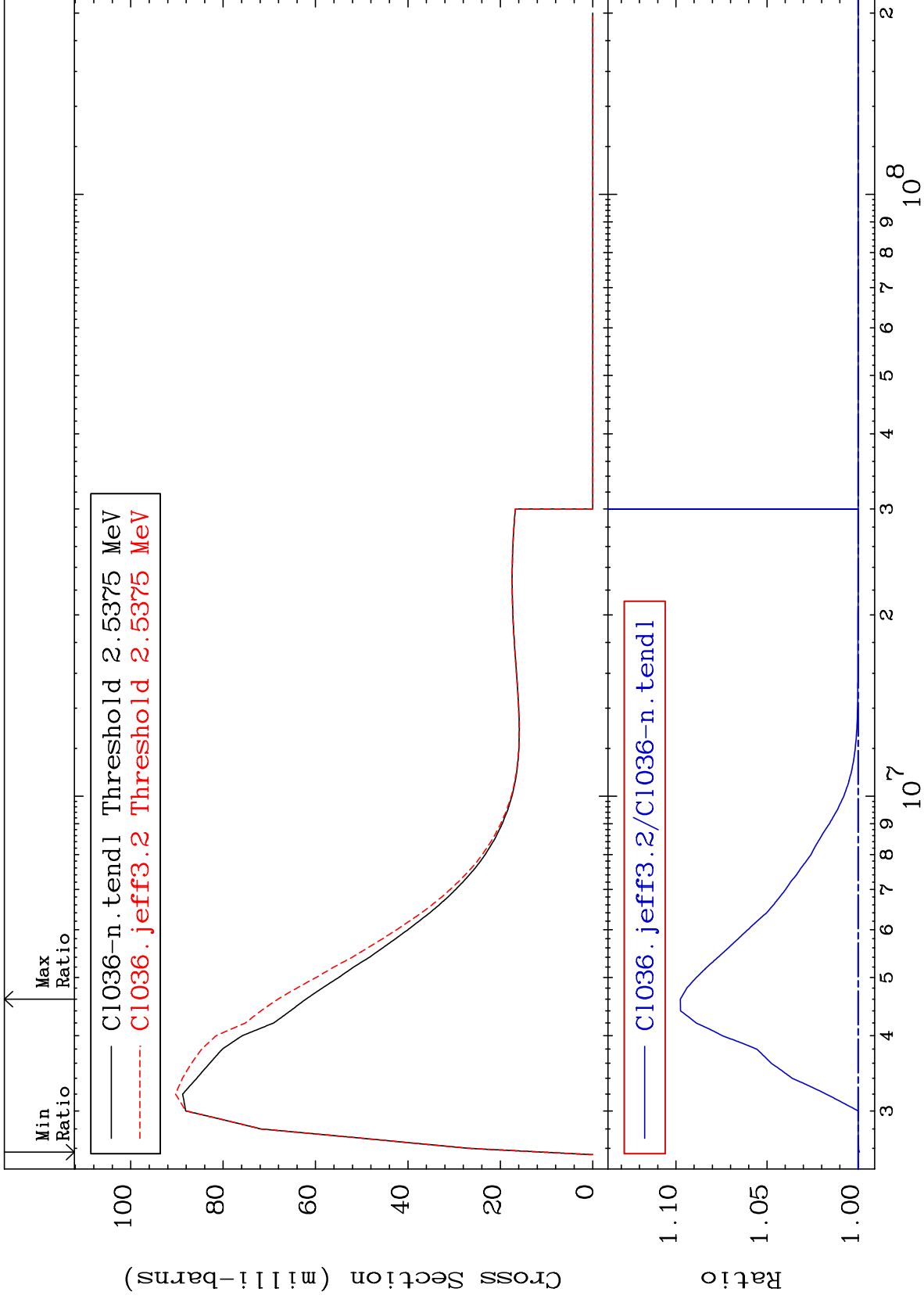
-0.020 To 3.863 %



MAT 1728

2.468 MeV (n,n') Level
Cross Section

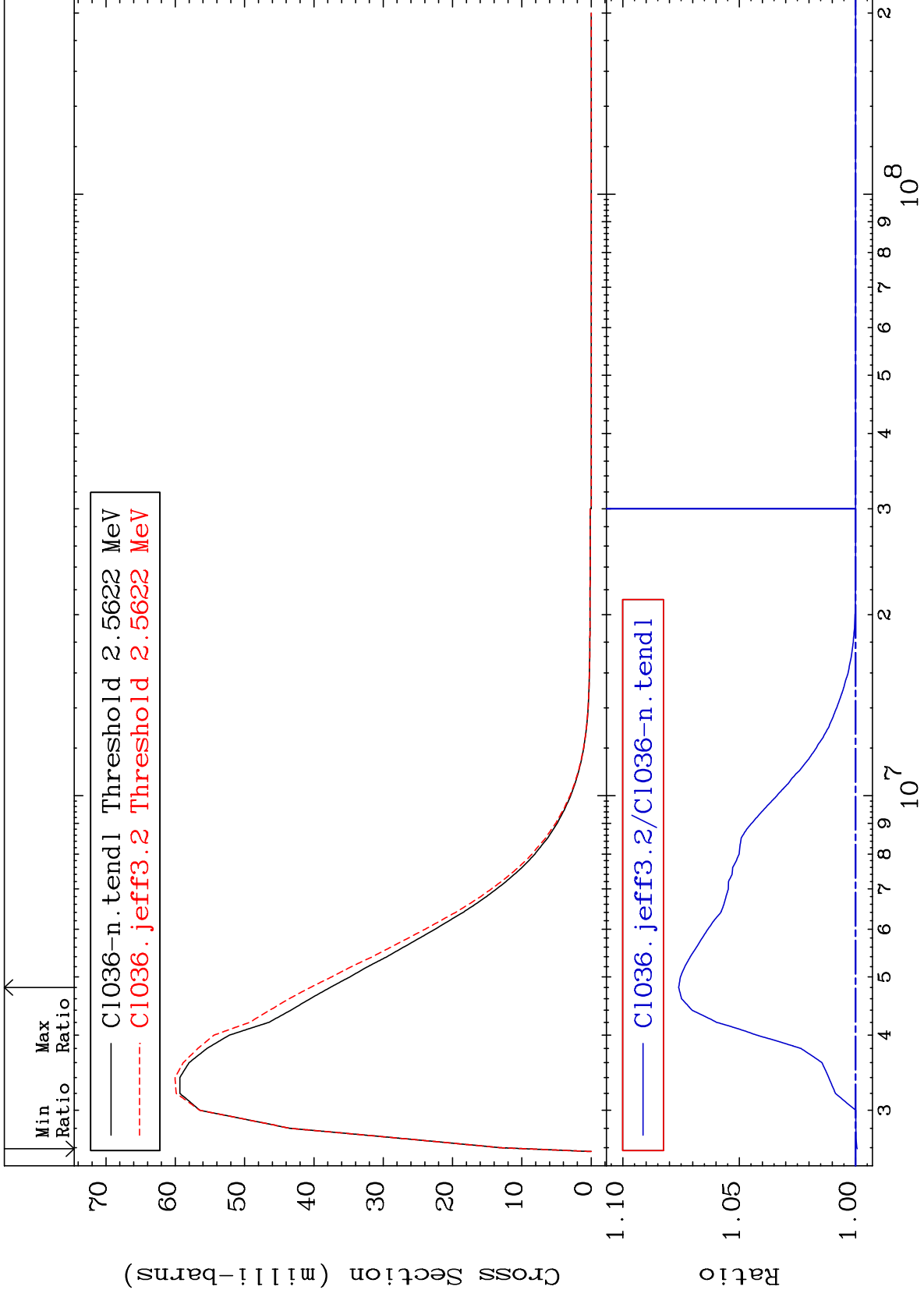
17-Cl-36
-0.074 To 9.758 %



MAT 1728

2.492 MeV (n,n') Level
Cross Section

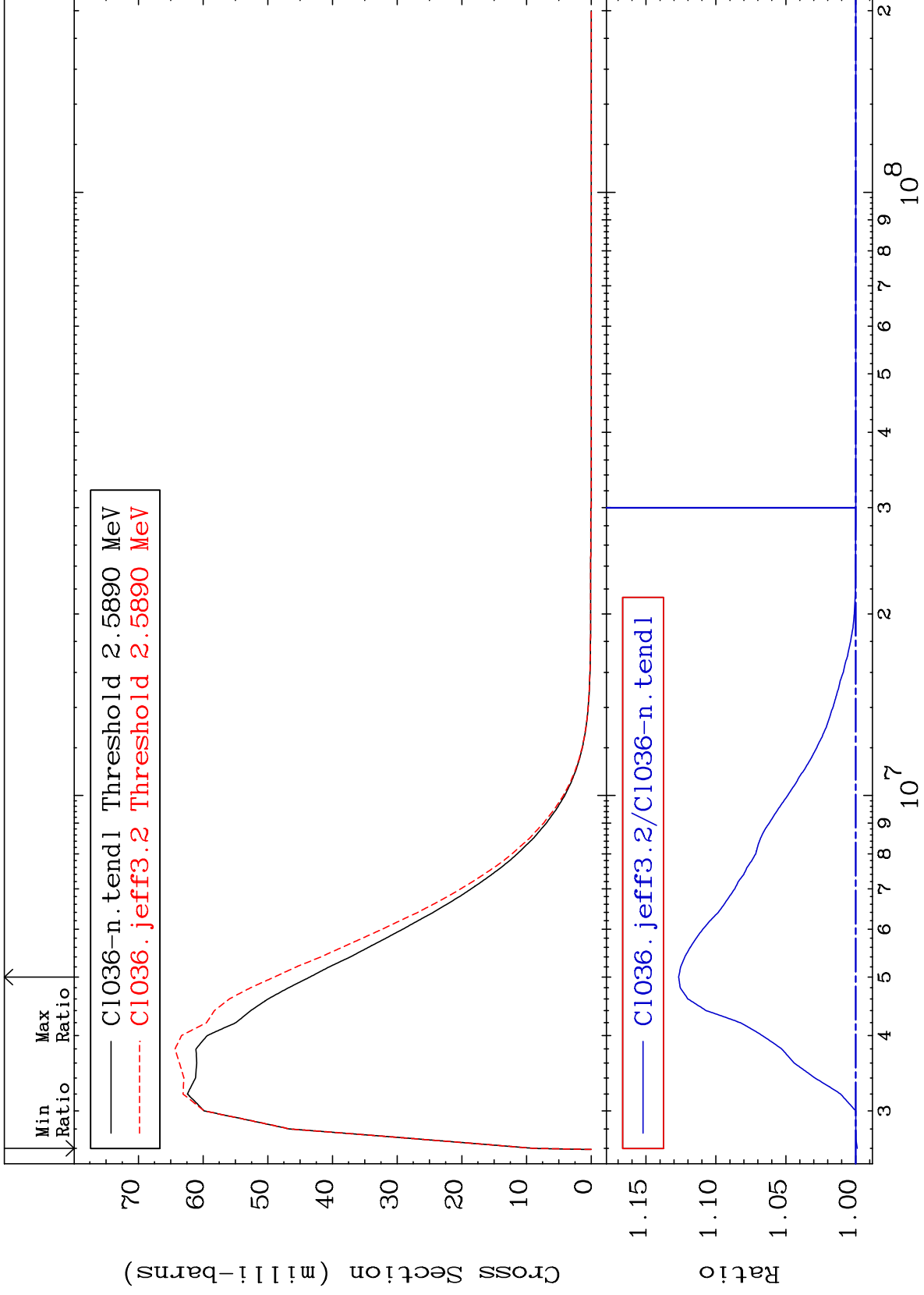
17-Cl-36
-0.070 To 7.604 %



MAT 1728

2.518 MeV (n,n') Level
Cross Section

17-Cl-36
-0.109 To 12.67 %



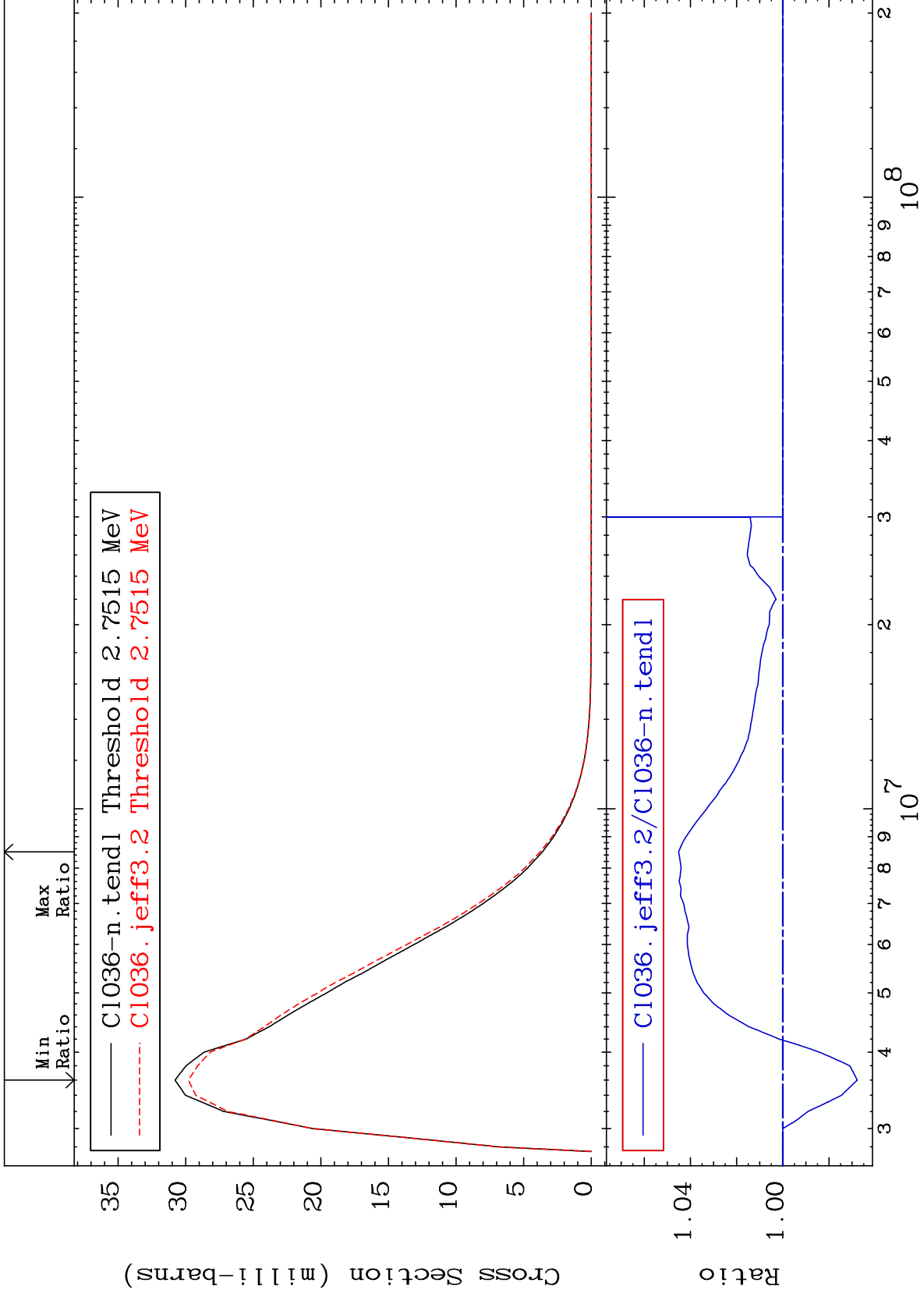
— C1036.jeff3.2/C1036-n.tendl

Ratio
1.15
1.10
1.05
1.00

MAT 1728

2.676 MeV (n,n') Level
Cross Section

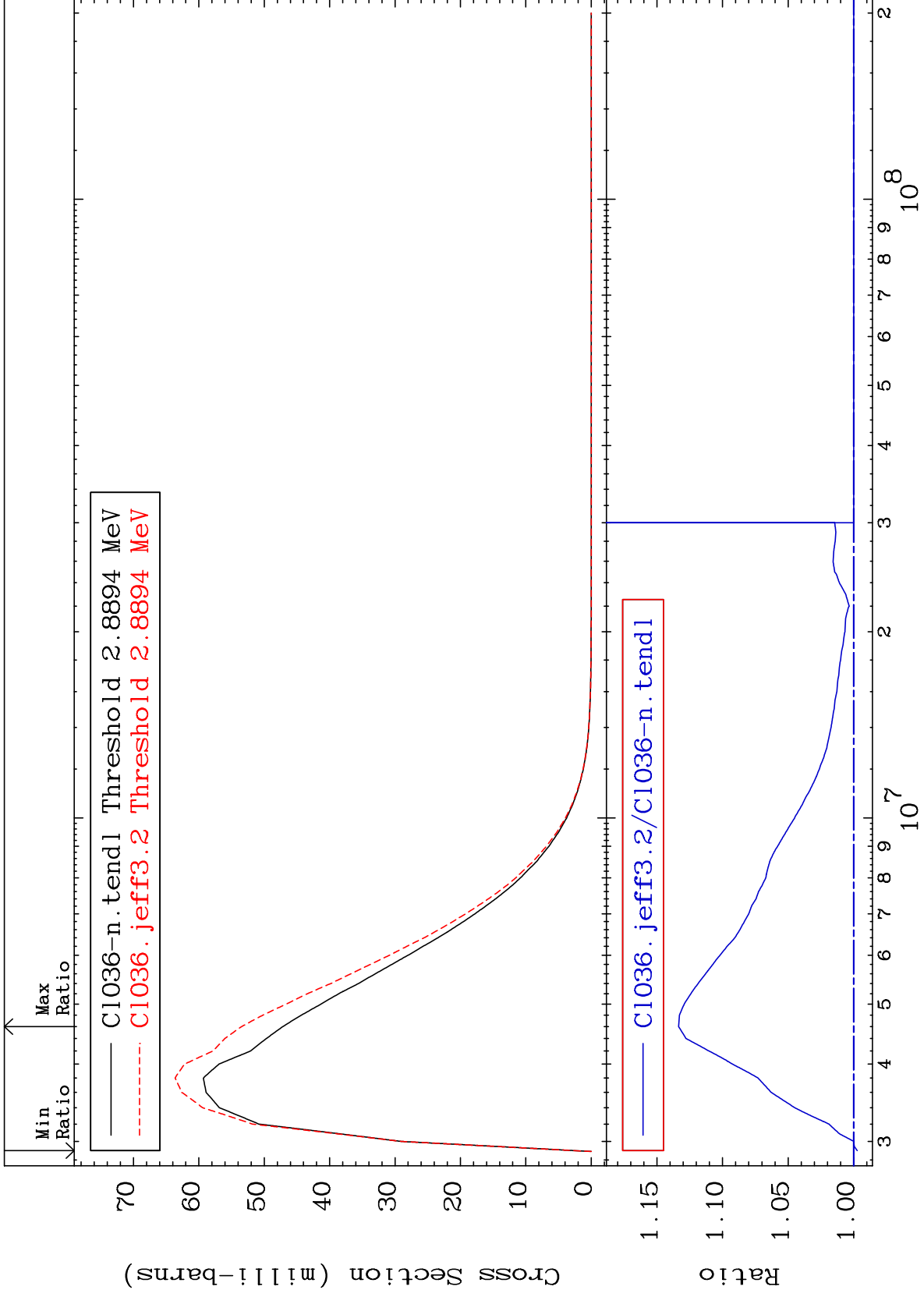
17-Cl-36
-3.222 To 4.514 %



MAT 1728

2.811 MeV (n,n') Level
Cross Section

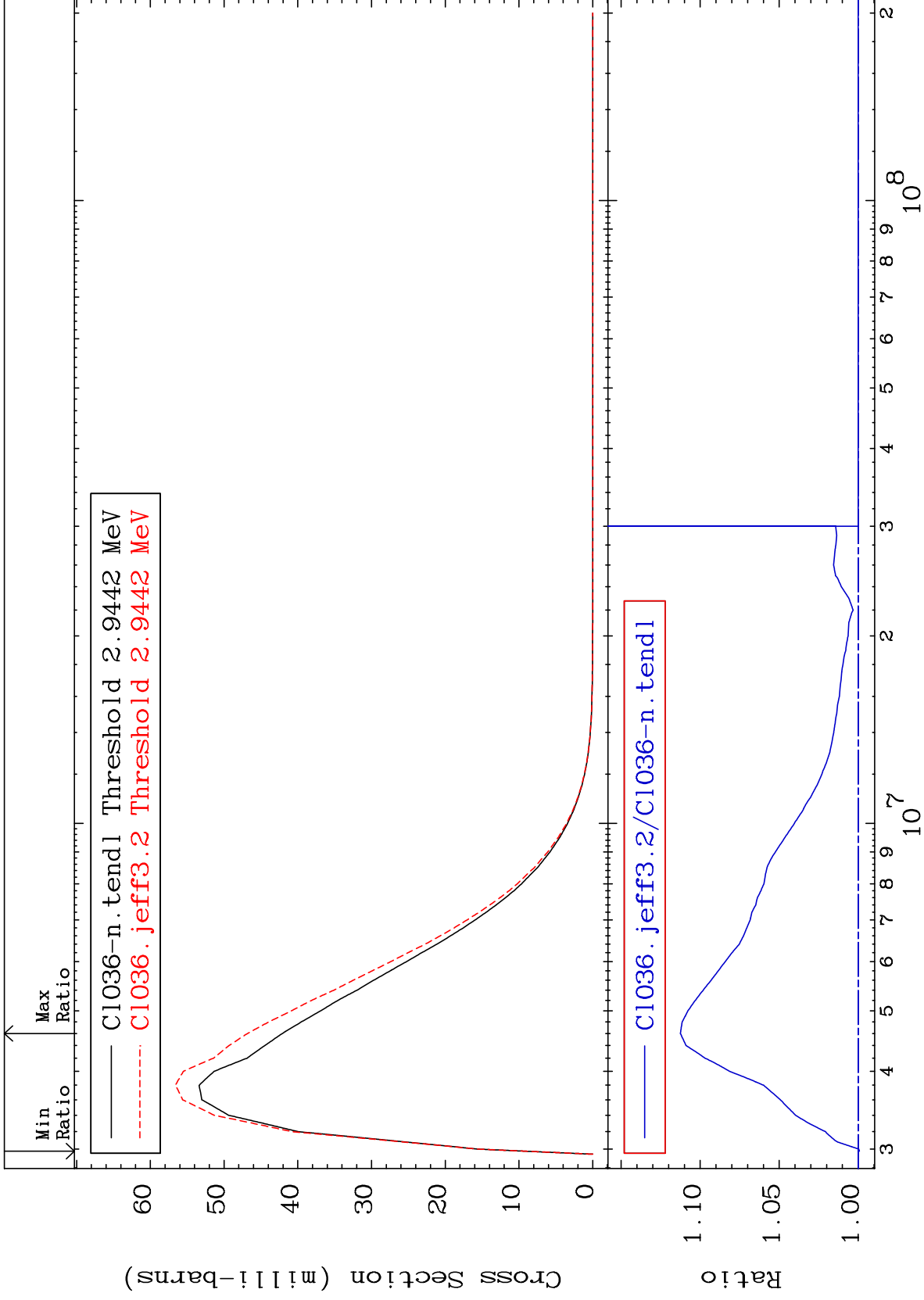
17-Cl-36
-0.274 To 13.35 %



MAT 1728

2.864 MeV (n,n') Level
Cross Section

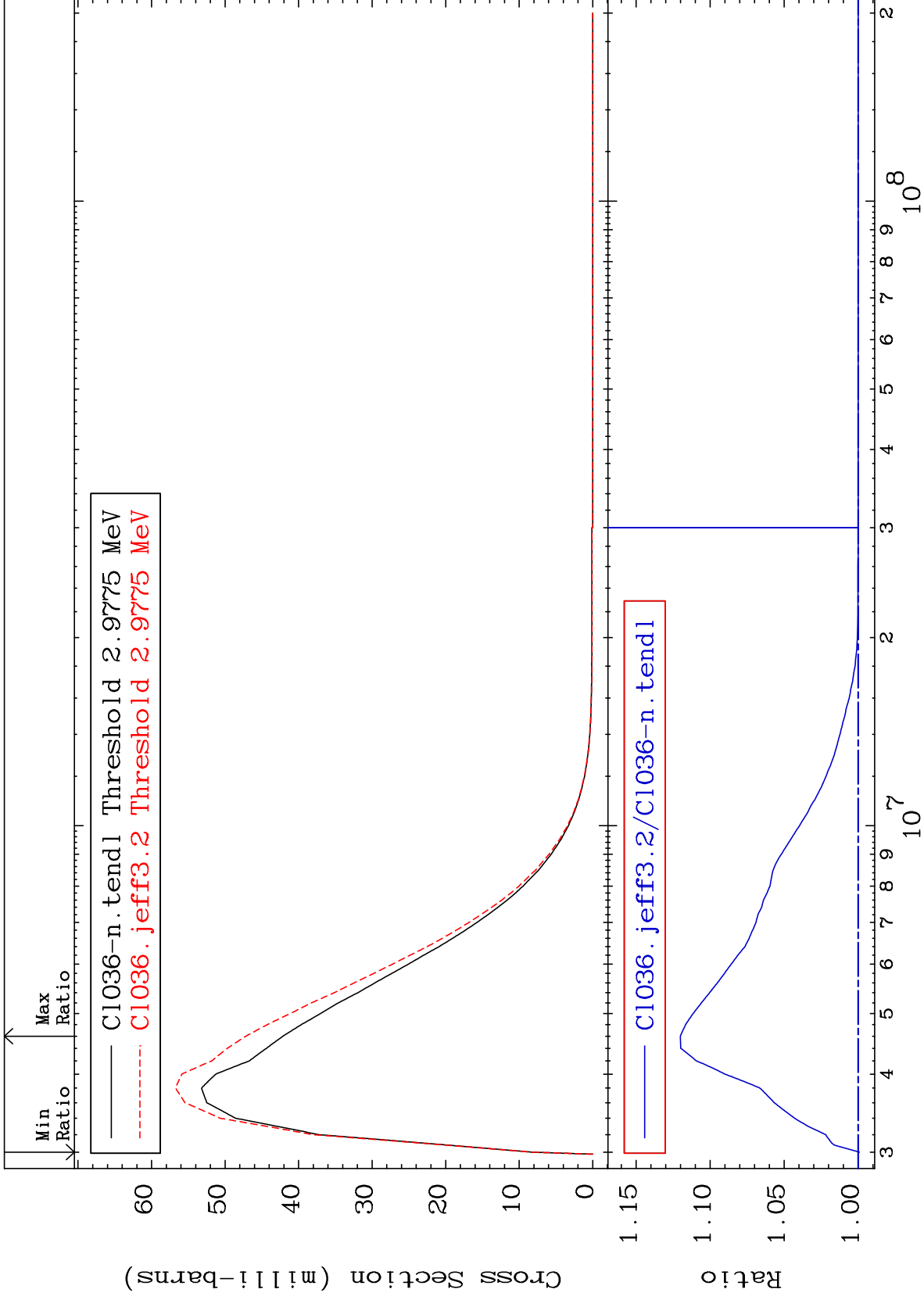
17-Cl-36
-0.076 To 11.26 %



MAT 1728

2.896 MeV (n,n') Level
Cross Section

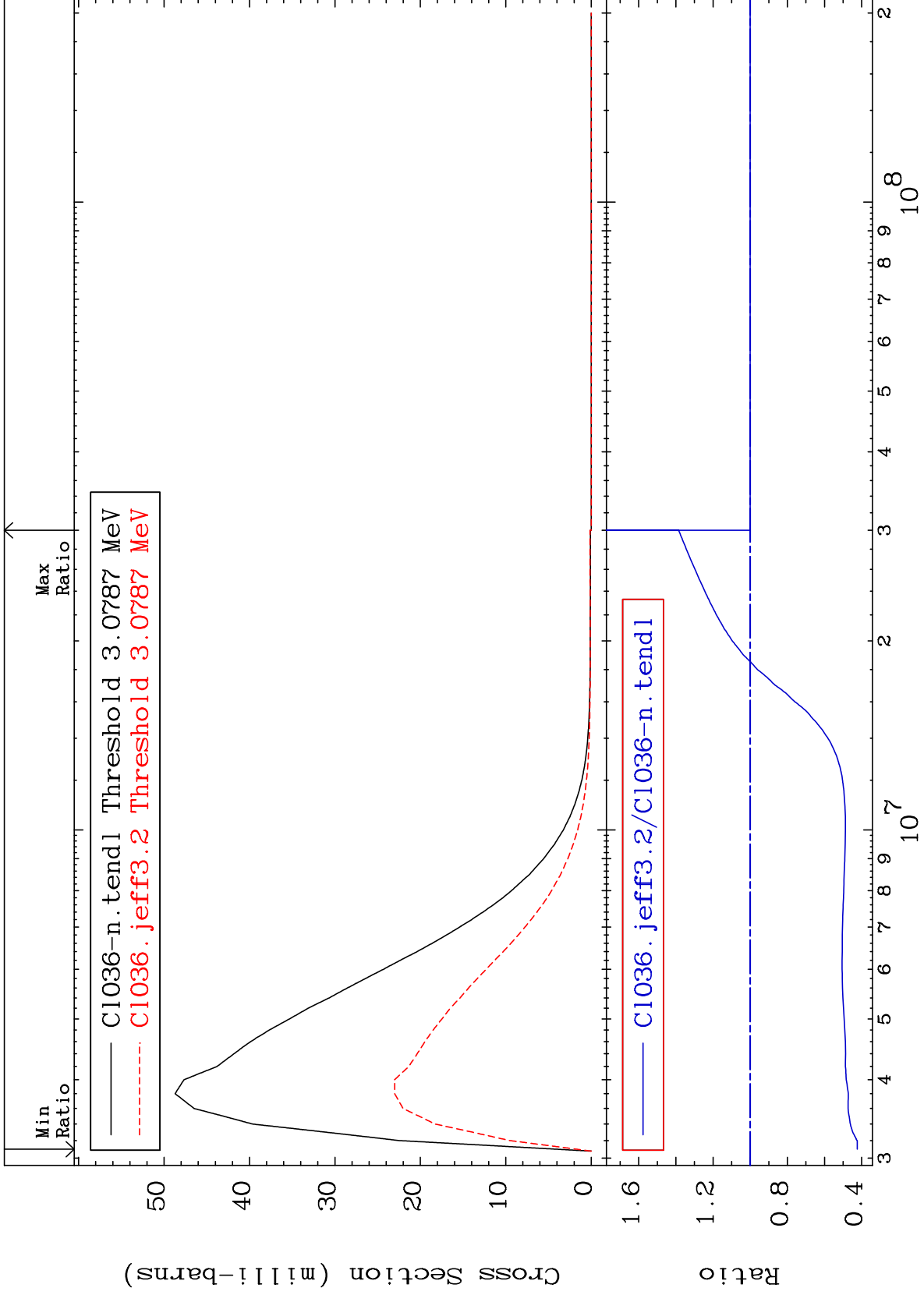
17-Cl-36
-0.088 To 12.01 %



MAT 1728

2.995 MeV (n,n') Level
Cross Section

17-Cl-36
-57.60 To 38.53 %

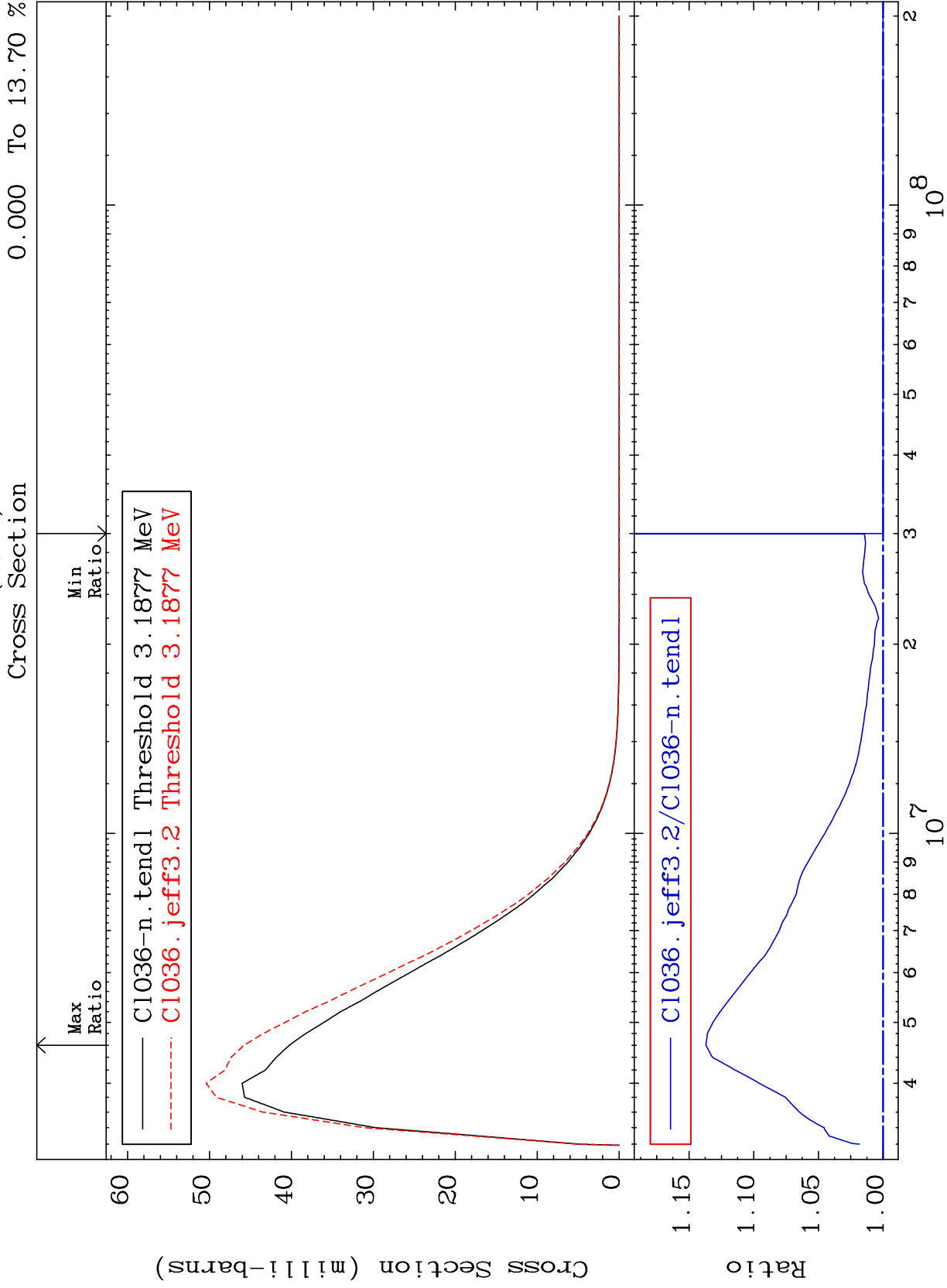


30

Incident Energy (eV)

17-Cl-36

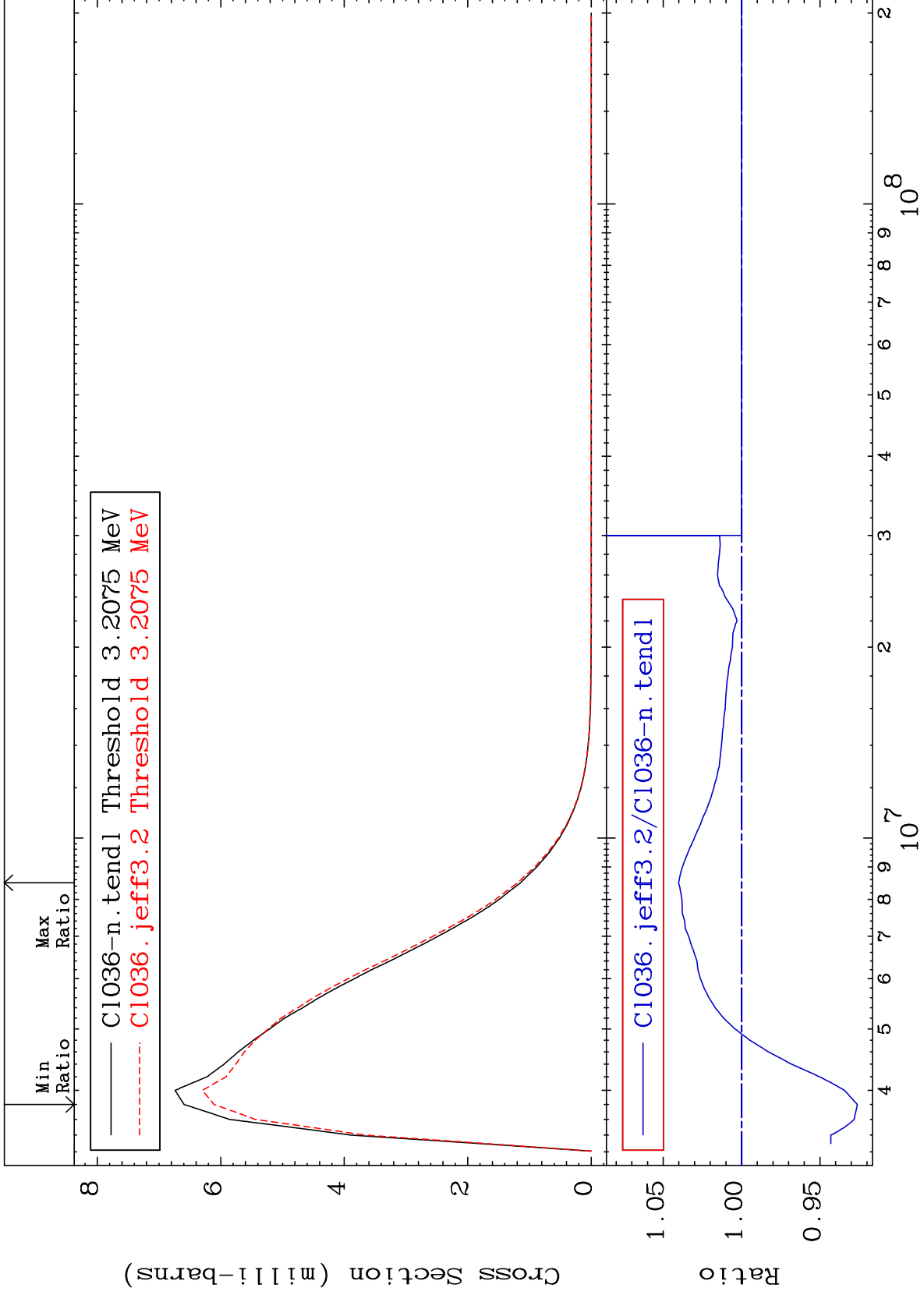
MAT 1728 3.101 MeV (n,n') Level 17-Cl-36 To 13.70 %



MAT 1728

3.120 MeV (n,n') Level
Cross Section

17-Cl-36
-7.382 To 4.017 %



32

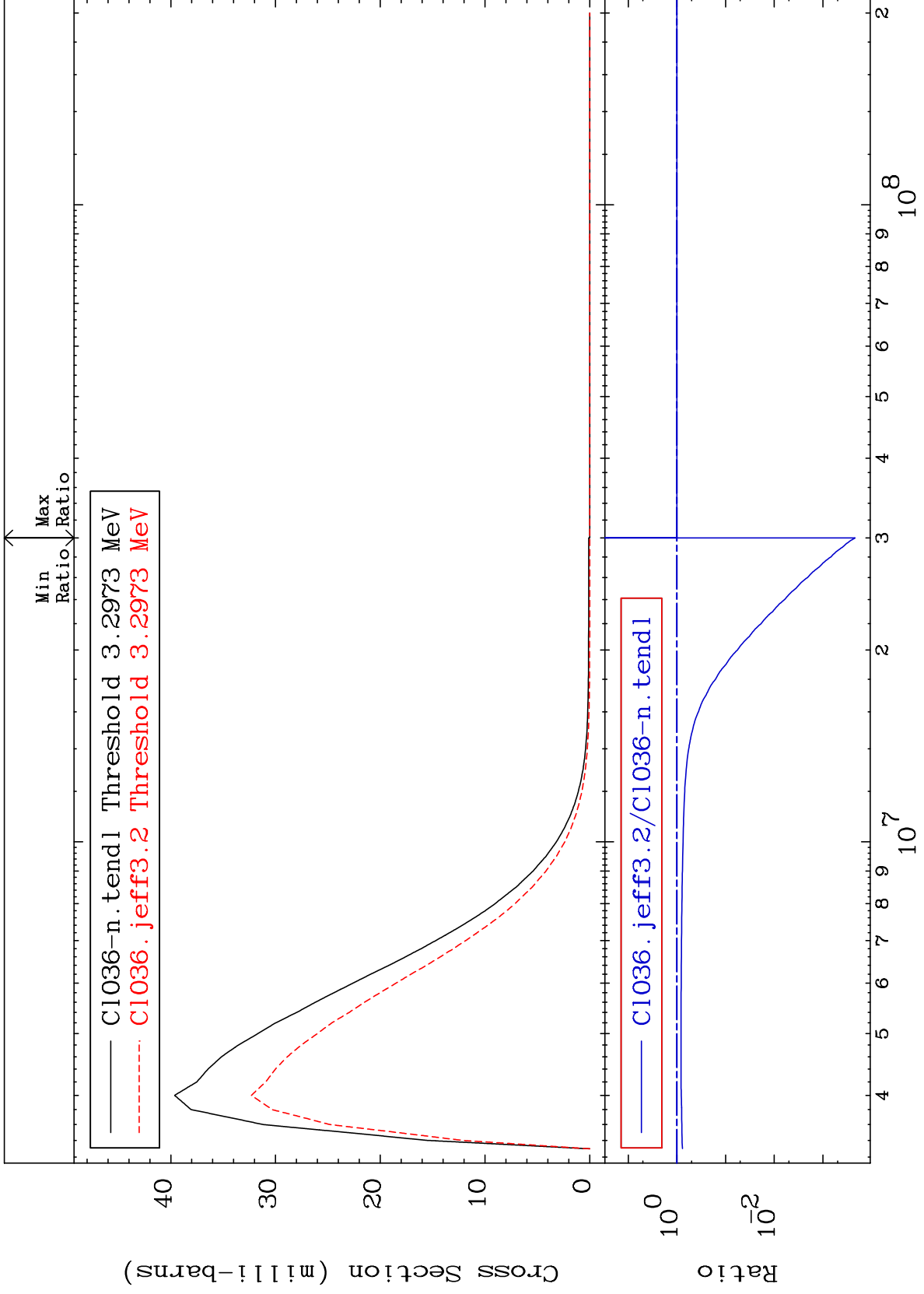
Incident Energy (eV)

17-Cl-36

MAT 1728

3.207 MeV (n,n') Level
Cross Section

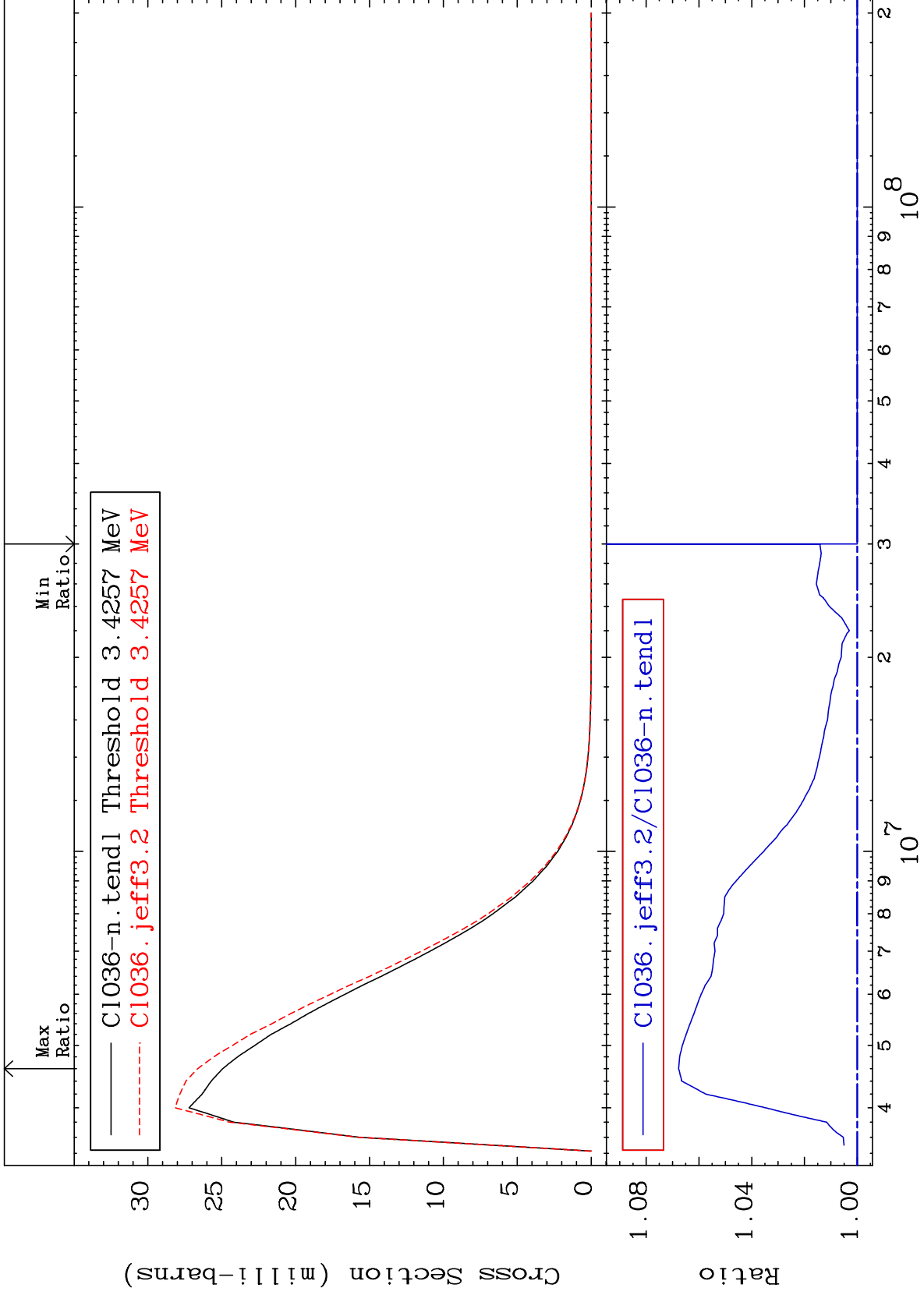
17-Cl-36
-99.98 To 0.000 %



MAT 1728

3.332 MeV (n,n') Level
Cross Section

17-Cl-36
0.000 To 6.769 %



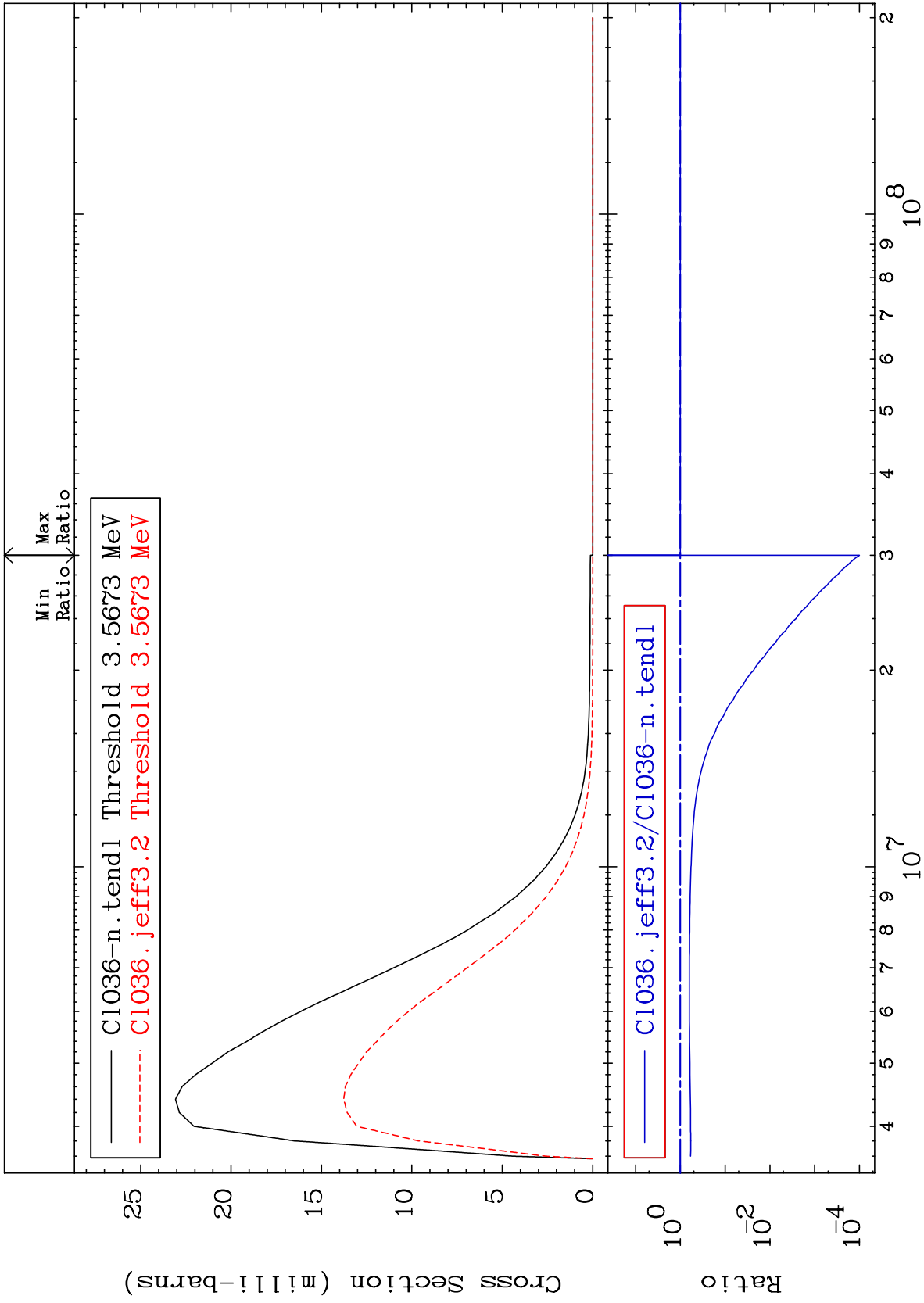
34

17-Cl-36

MAT 1728

3.470 MeV (n,n') Level
Cross Section

17-Cl-36
-99.99 To 0.000 %



35

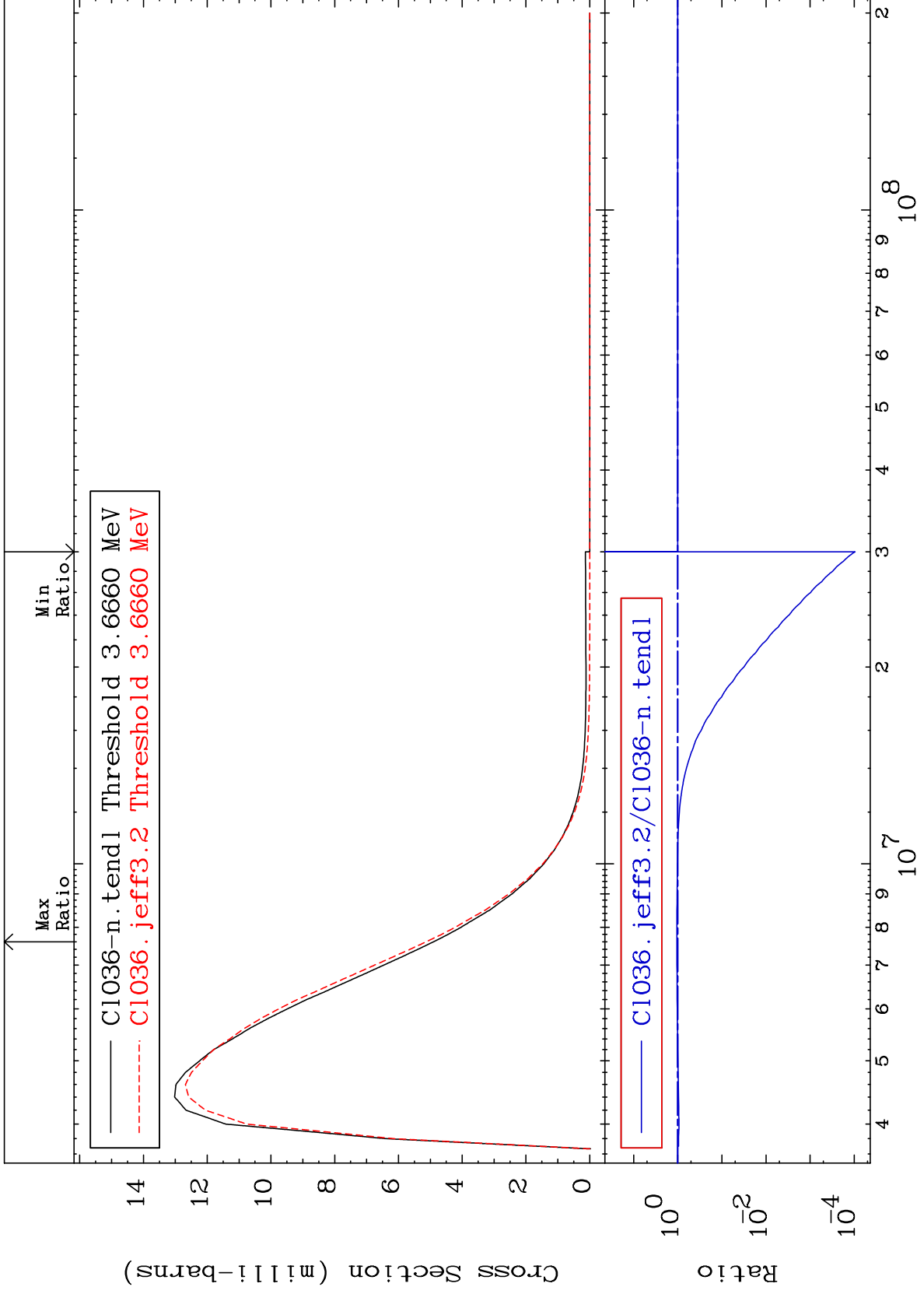
Incident Energy (eV)

17-Cl-36

MAT 1728

3.566 MeV (n,n') Level
Cross Section

17-Cl-36
-99.99 To 4.684 %



36

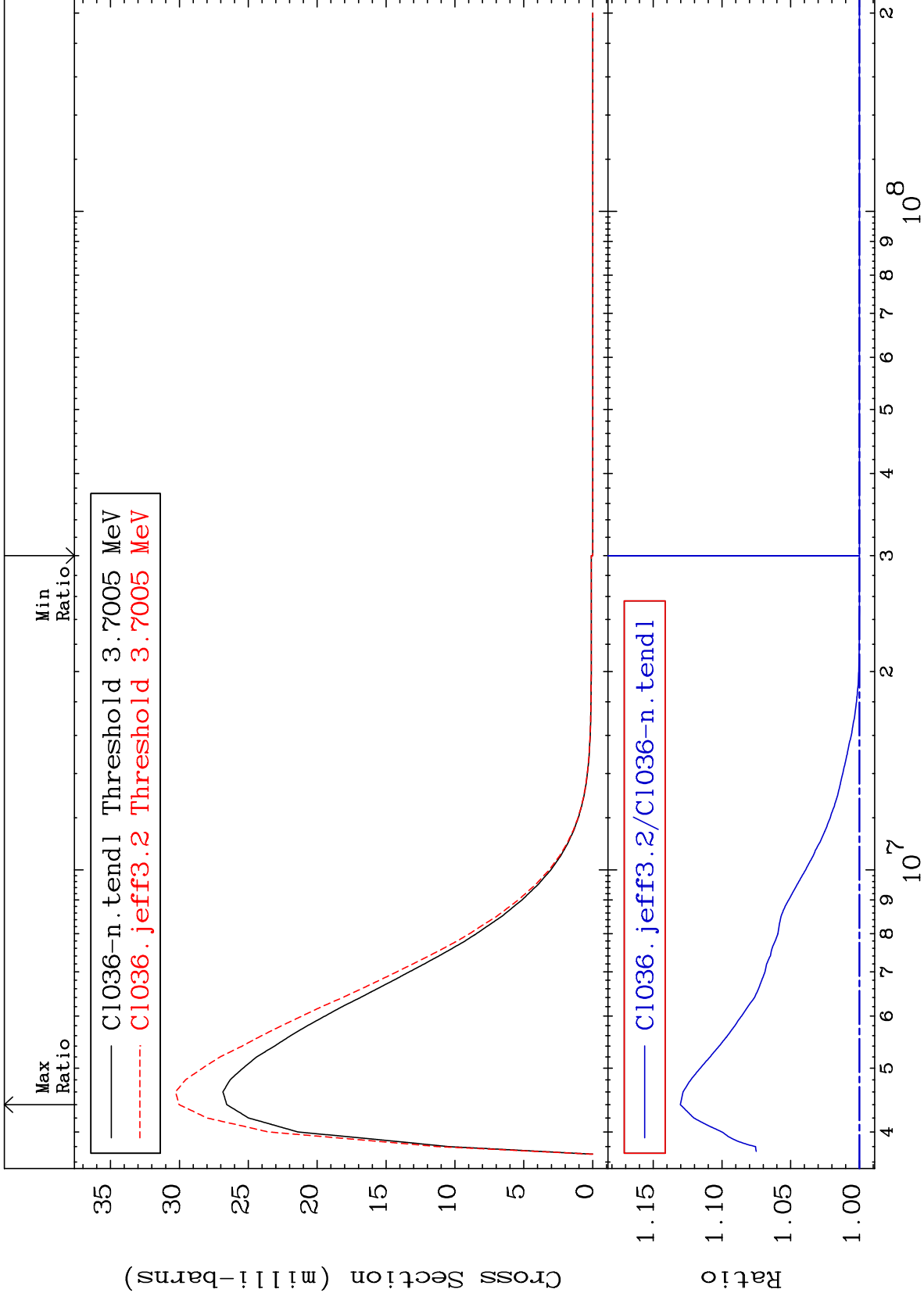
Incident Energy (eV)

17-Cl-36

MAT 1728

3.600 MeV (n,n') Level
Cross Section

17-Cl-36
0.000 To 13.03 %



37

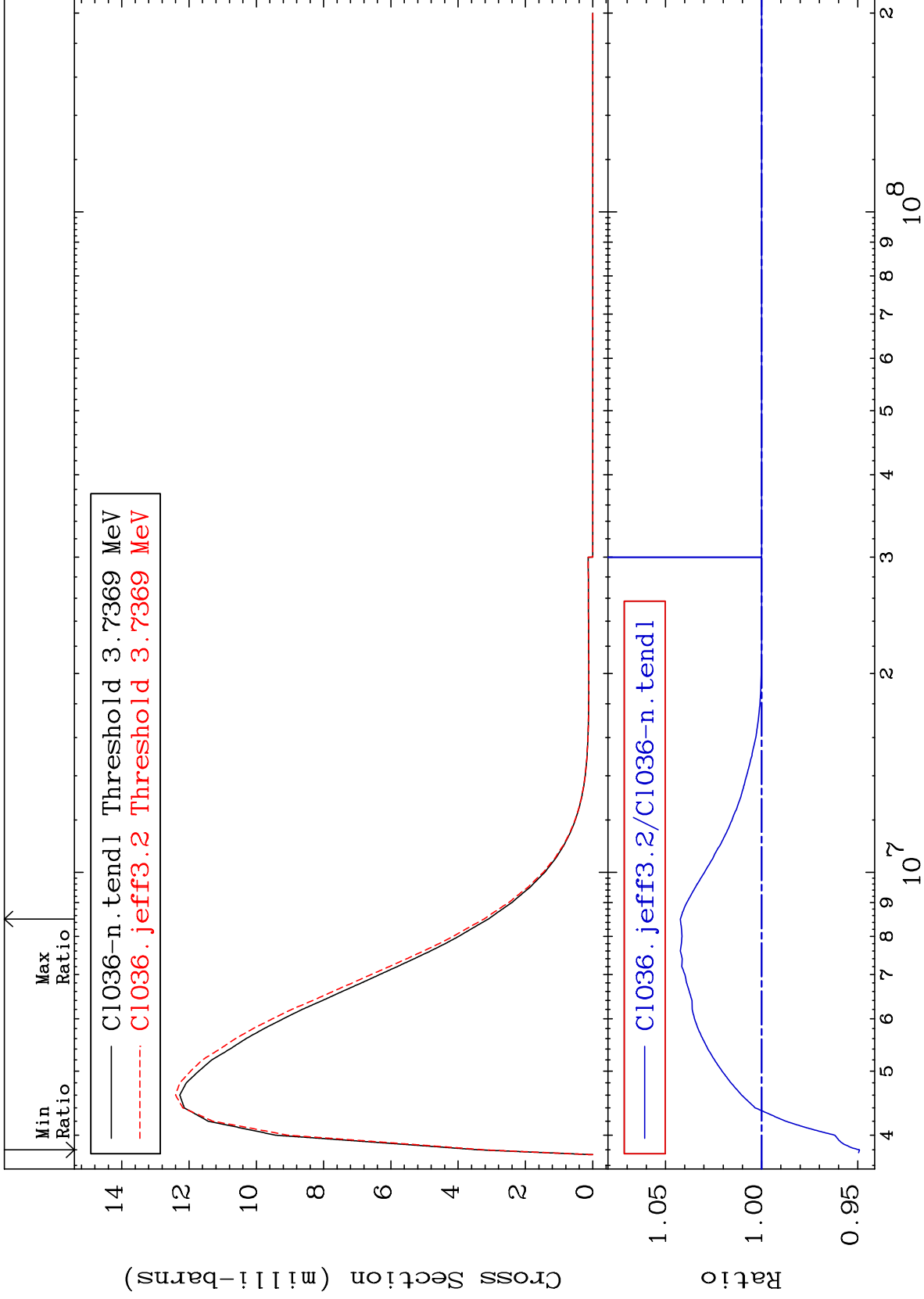
Incident Energy (eV)

17-Cl-36

MAT 1728

3.635 MeV (n,n') Level
Cross Section

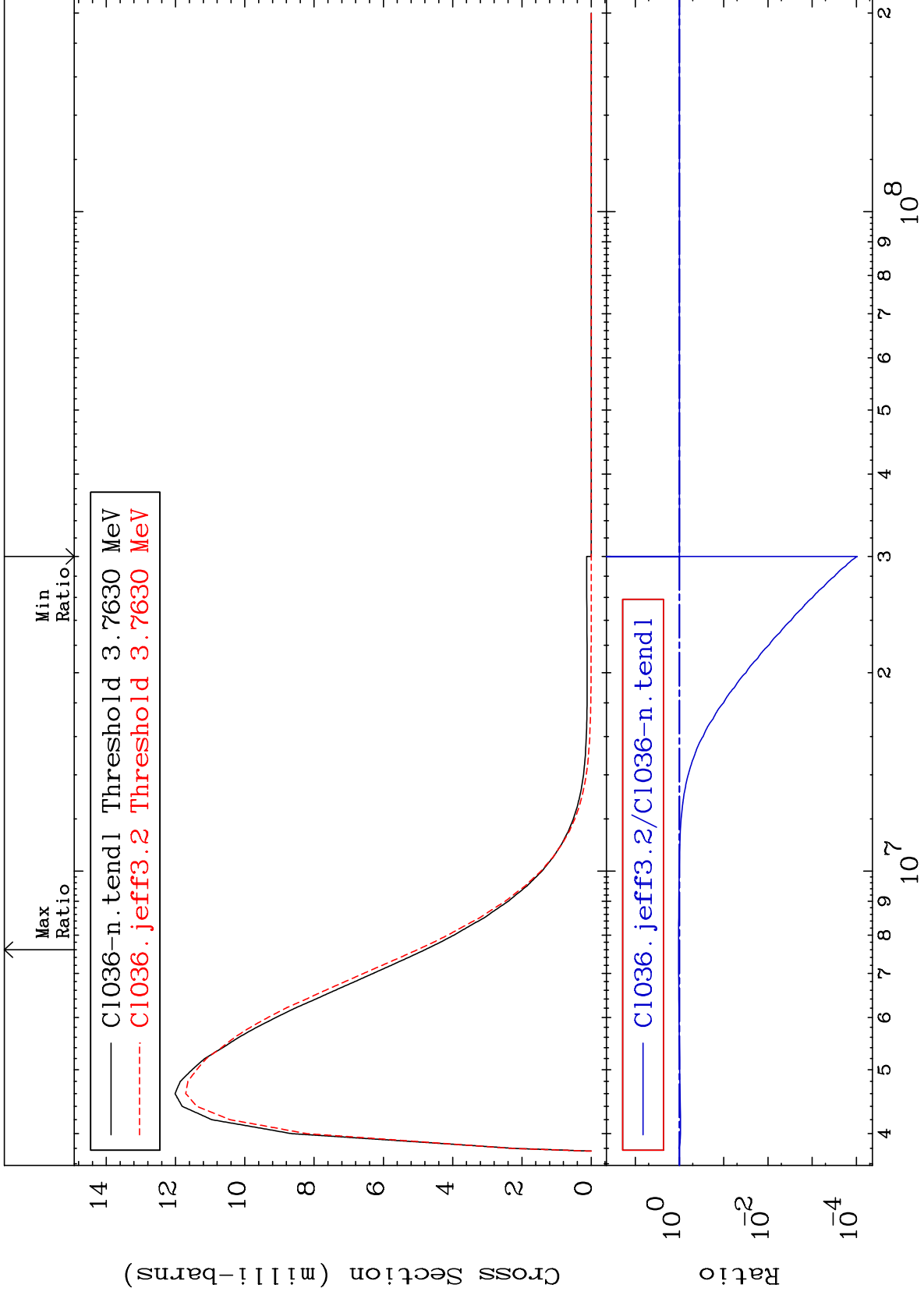
17-Cl-36
-5.085 To 4.228 %



MAT 1728

3.660 MeV (n,n') Level
Cross Section

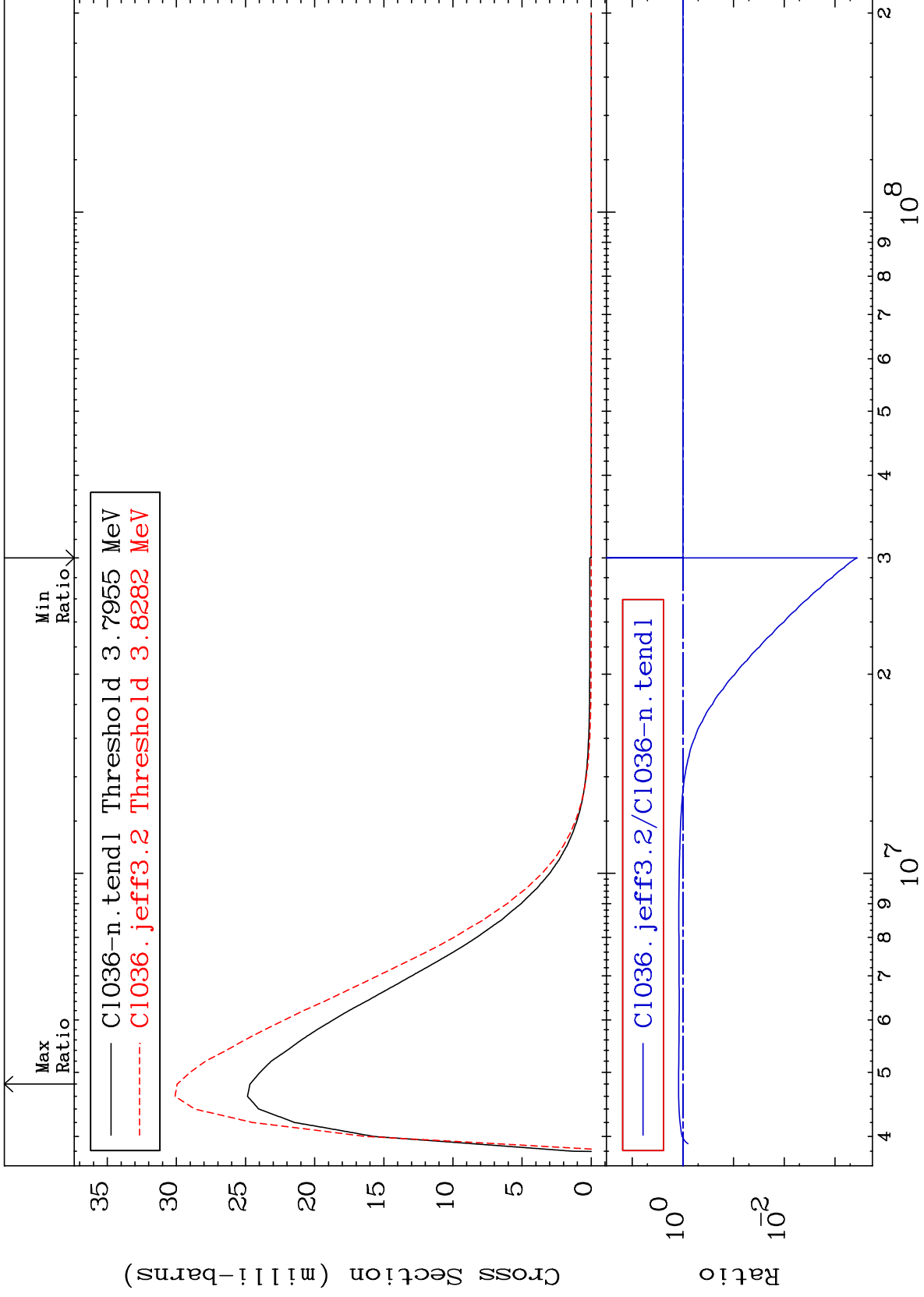
17-Cl-36
-99.99 To 4.625 %



MAT 1728

3.692 MeV (n,n') Level
Cross Section

17-Cl-36
-99.96 To 21.38 %



40

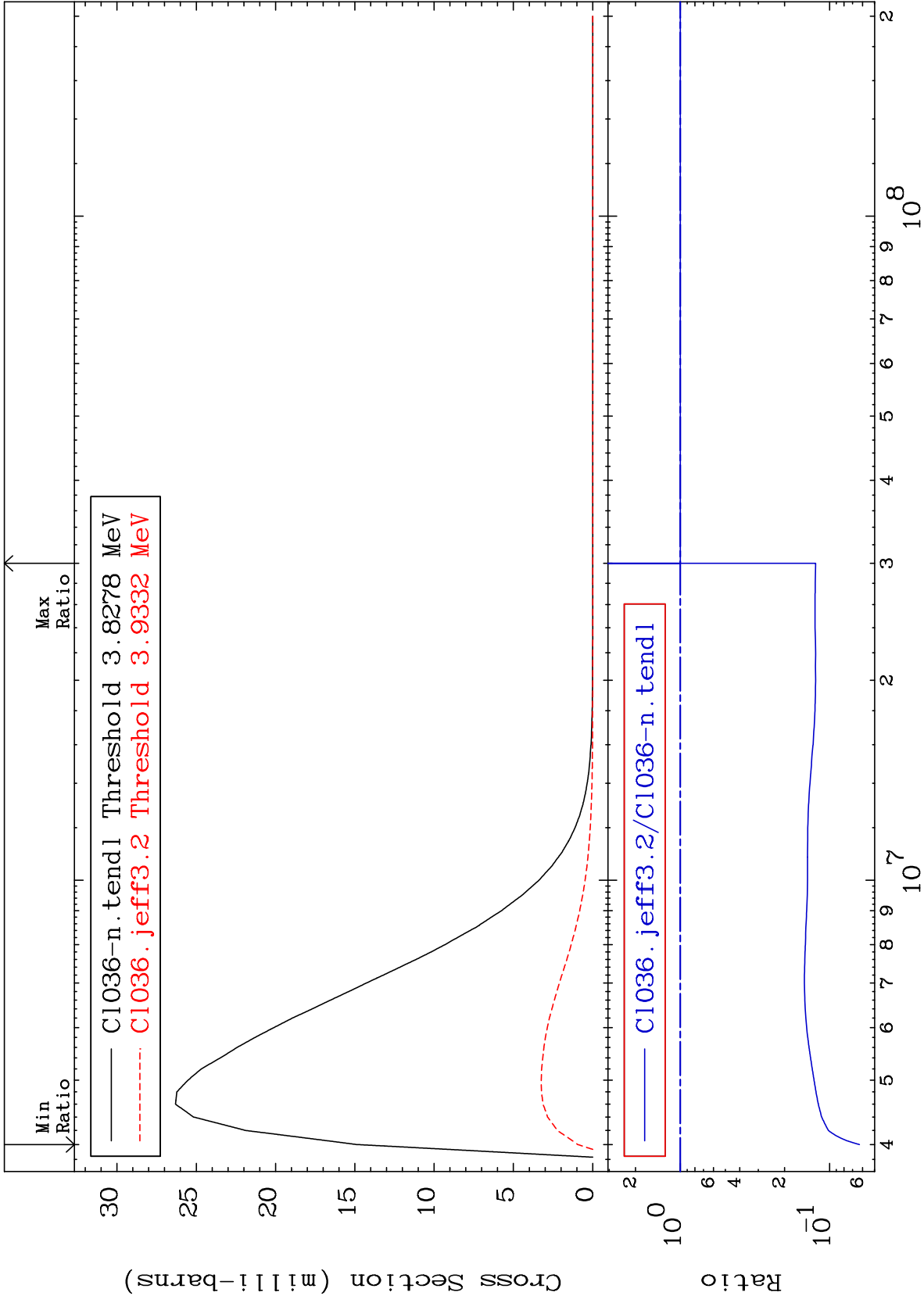
17-Cl-36

17-Cl-36

MAT 1728

3.723 MeV (n,n') Level
Cross Section

17-Cl-36
-93.70 To 0.000 %



41

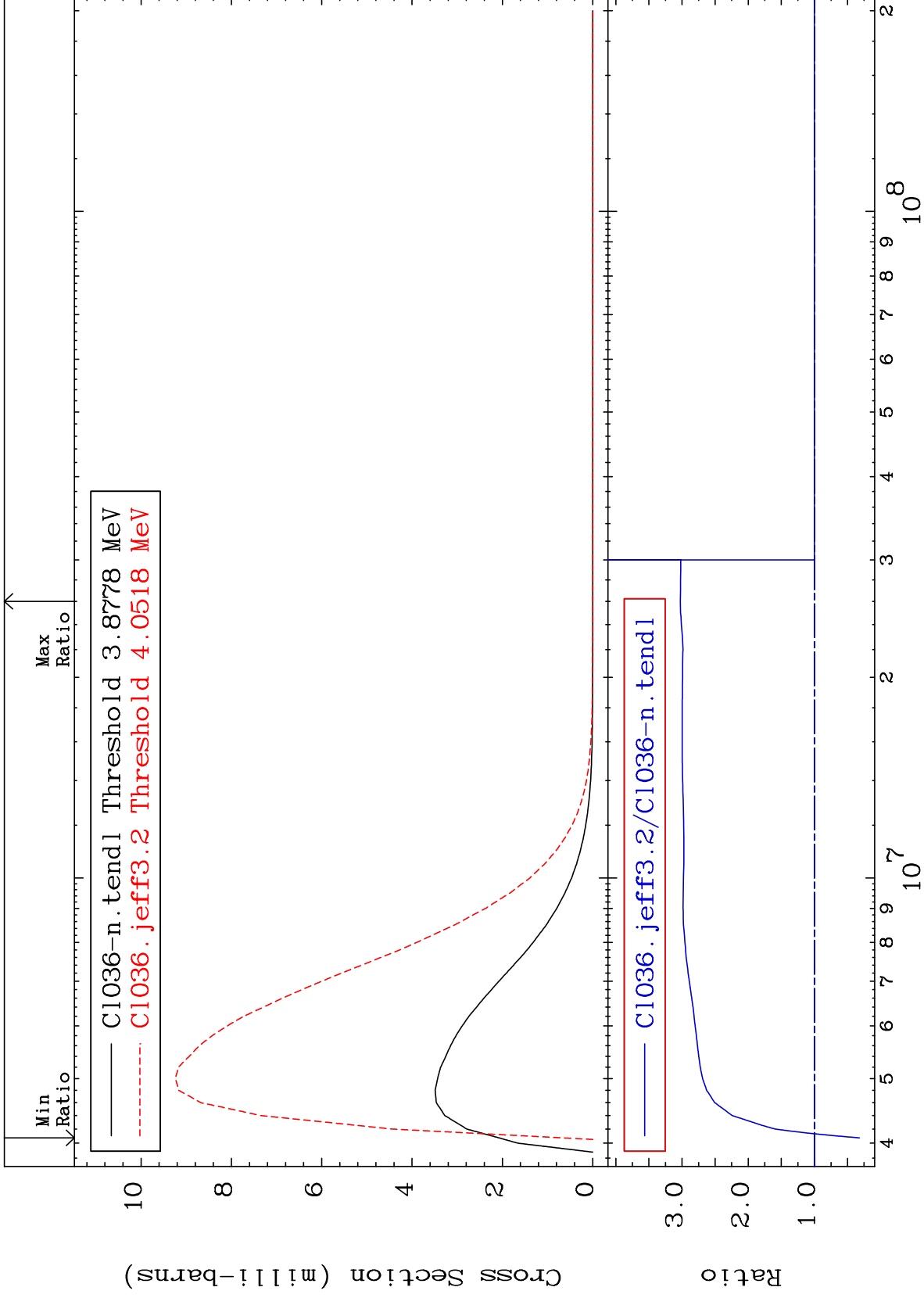
17-Cl-36

17-Cl-36

MAT 1728

3.772 MeV (n,n') Level
Cross Section

17-Cl-36
-67.99 To 202.5 %

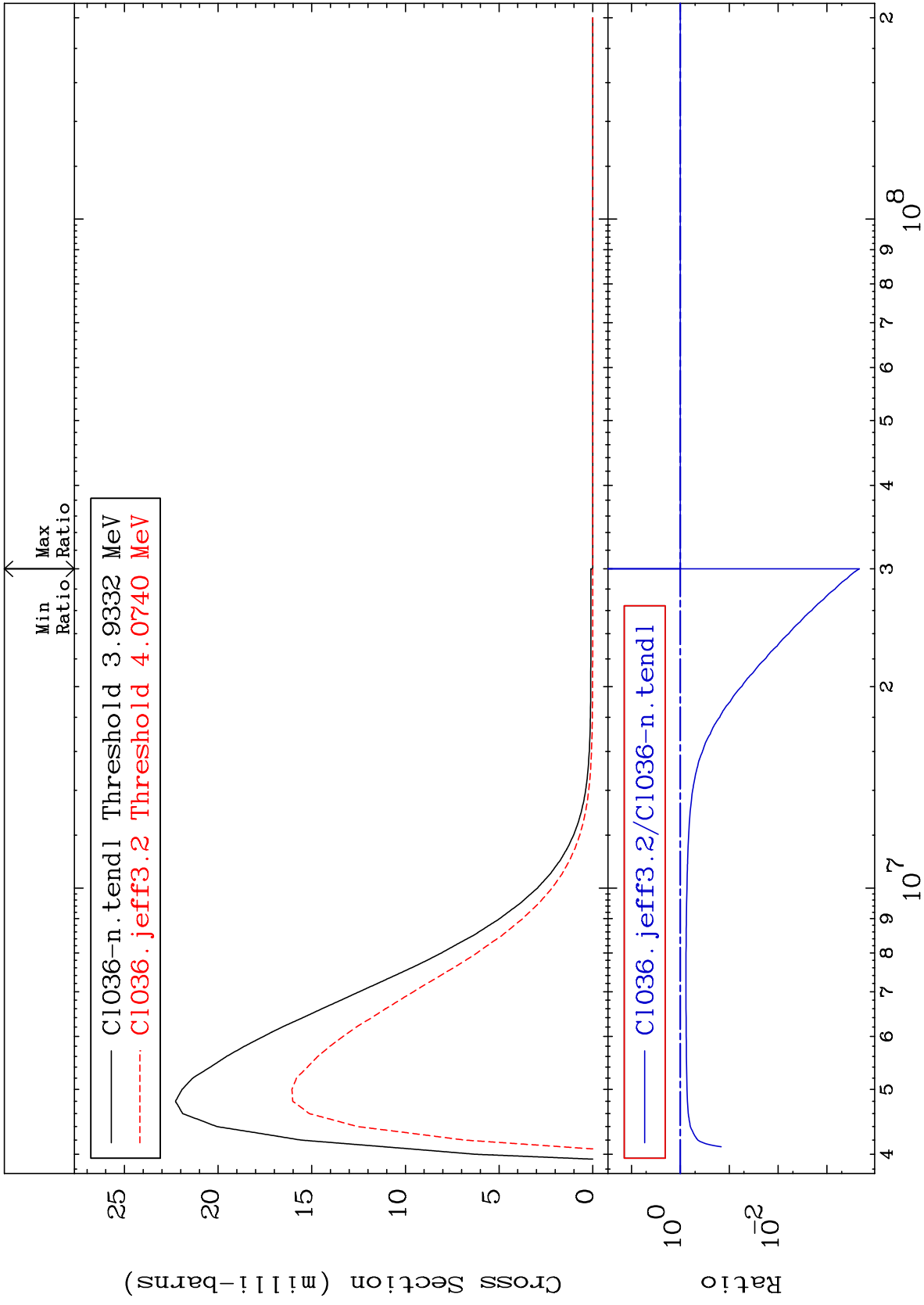


MAT 1728

3.826 MeV (n,n') Level

17-Cl-36

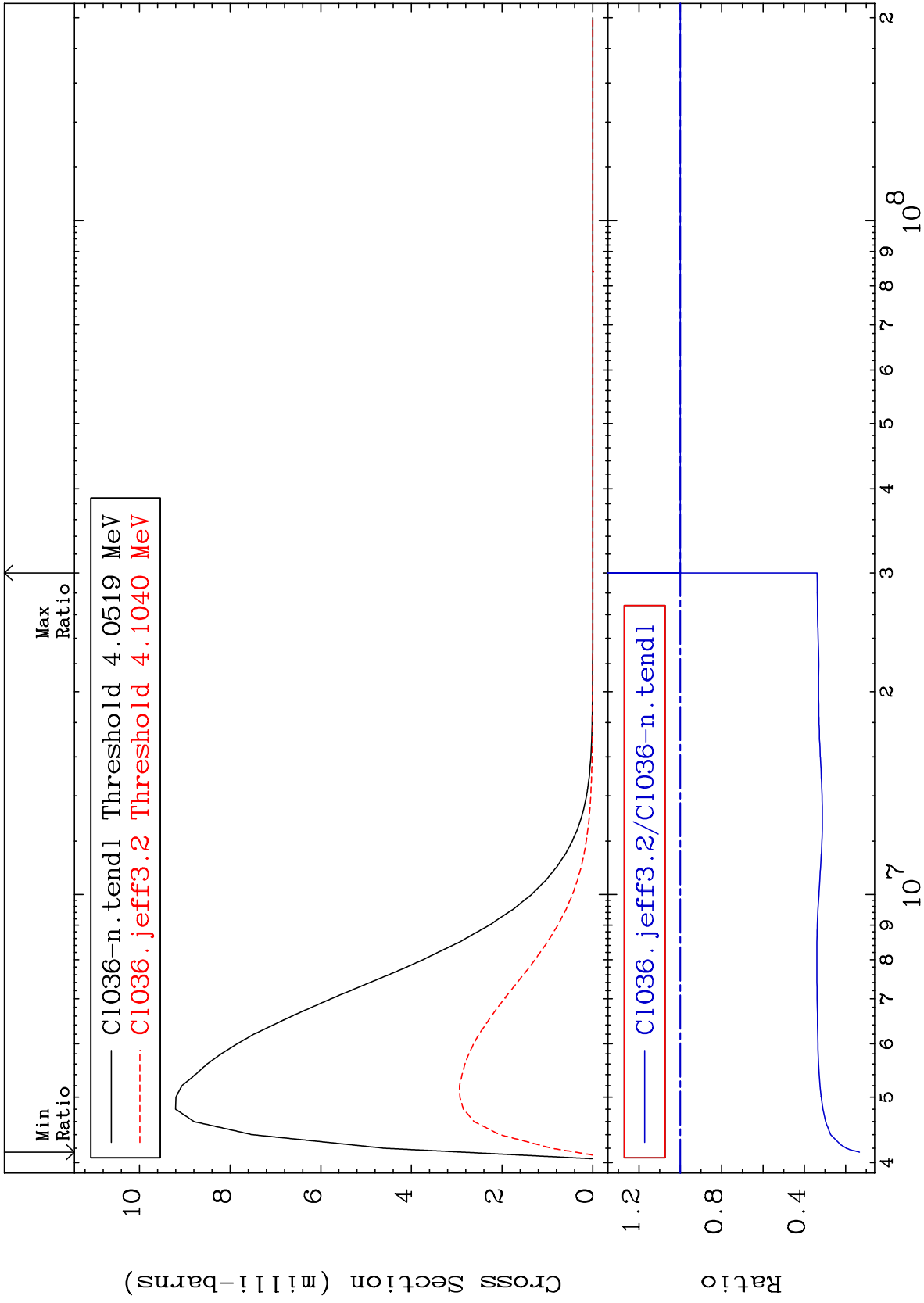
-99.98 To 0.000 %

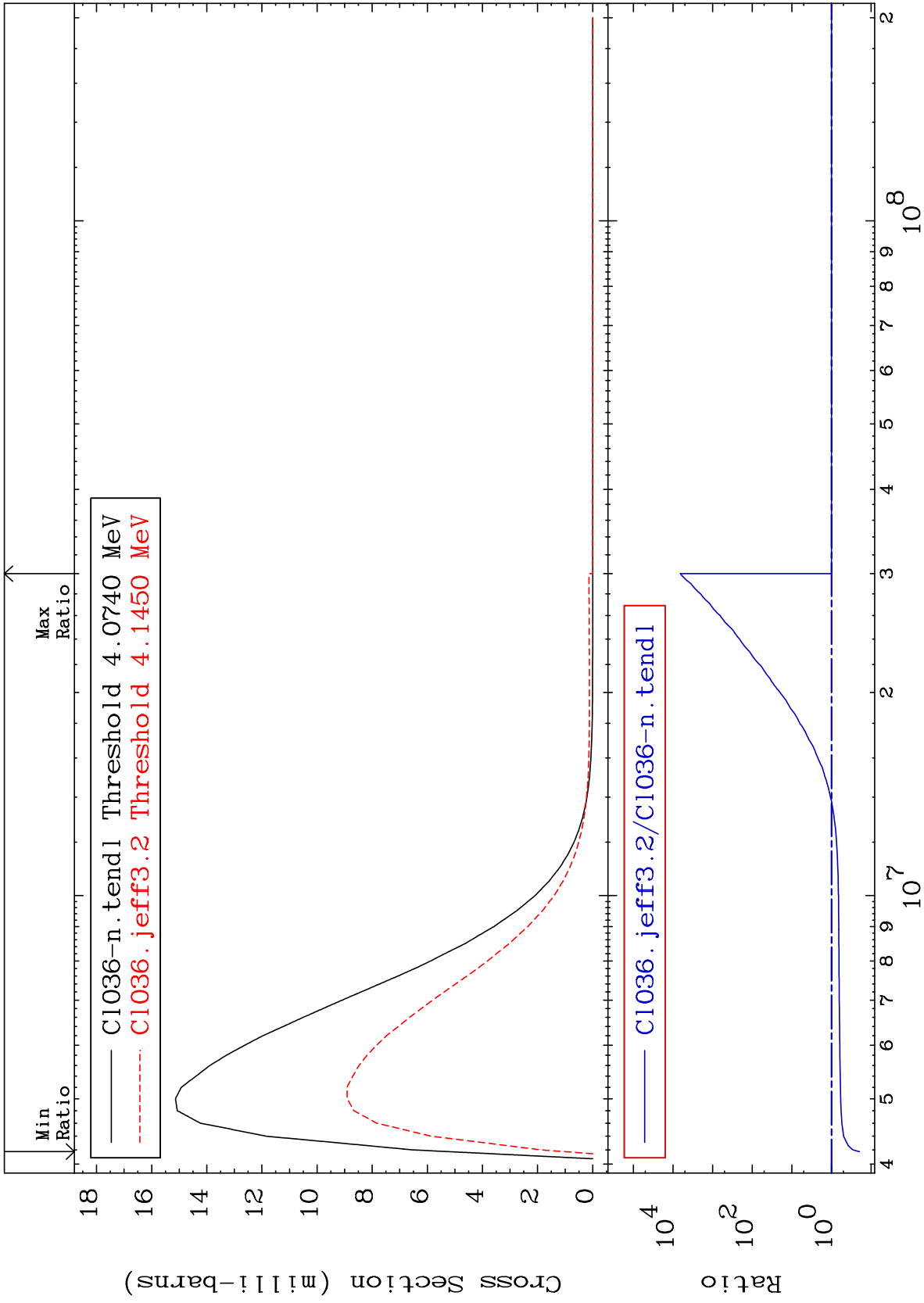


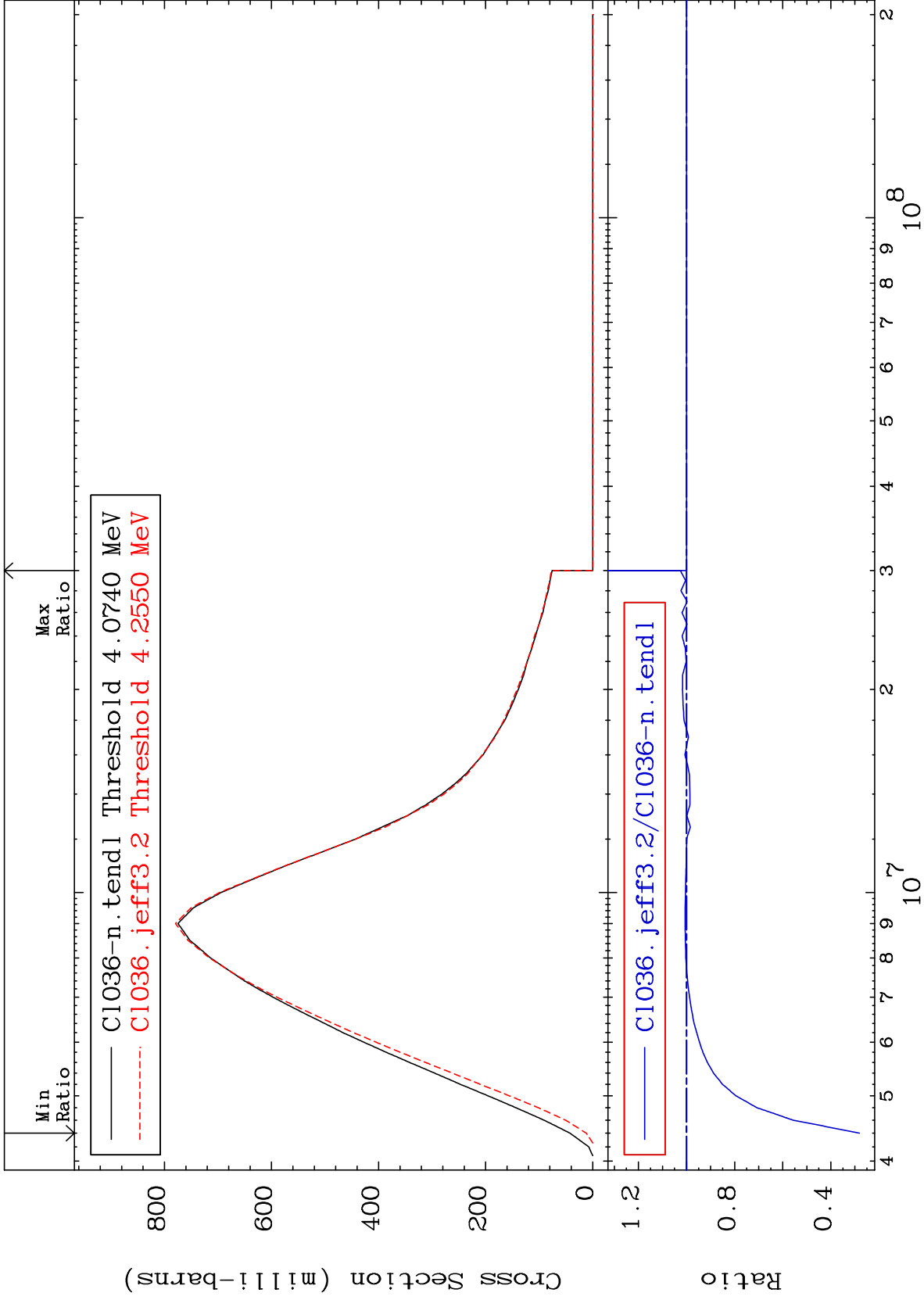
MAT 1728

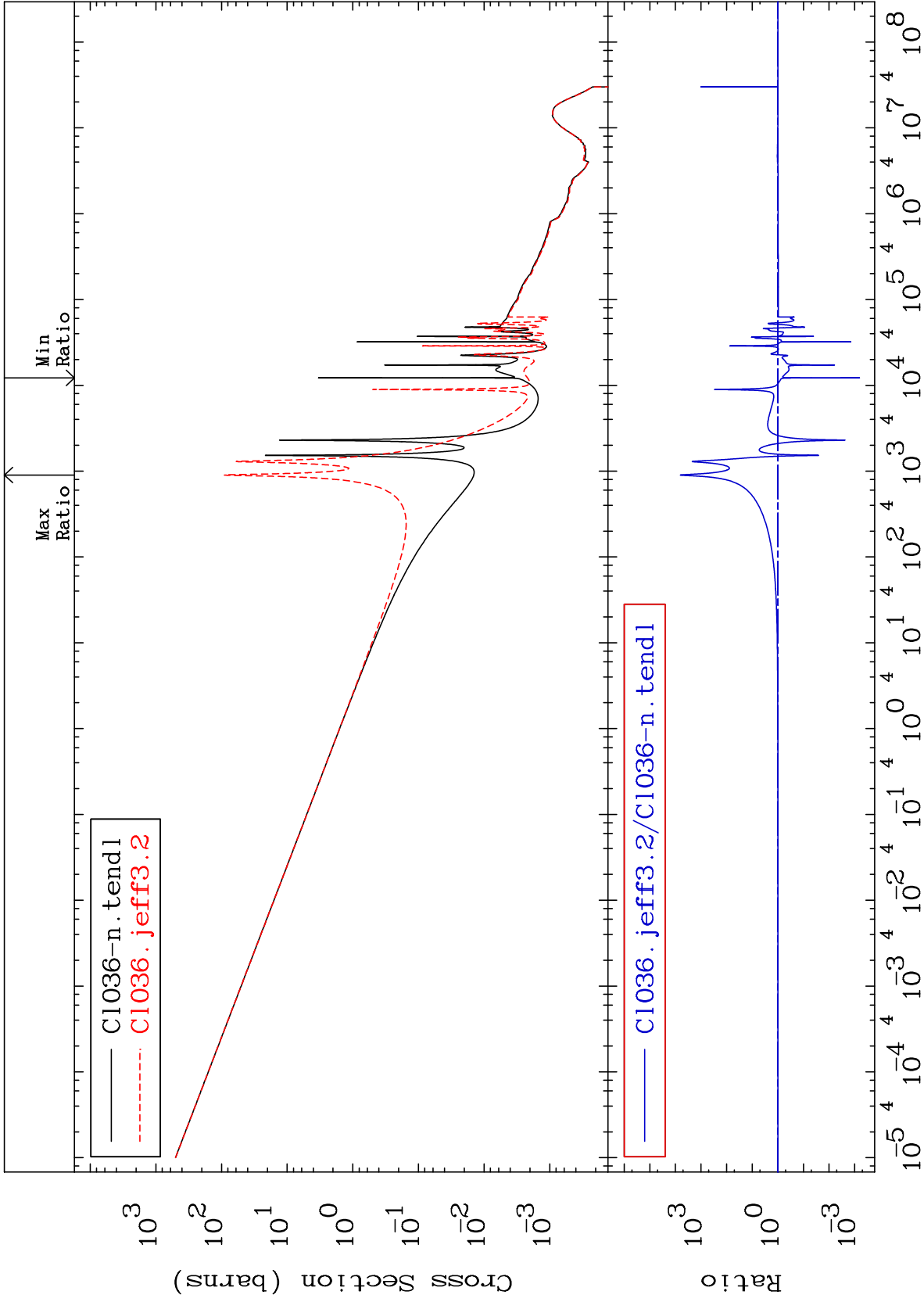
3.941 MeV (n,n') Level
Cross Section

17-Cl-36
-86.64 To 0.000 %









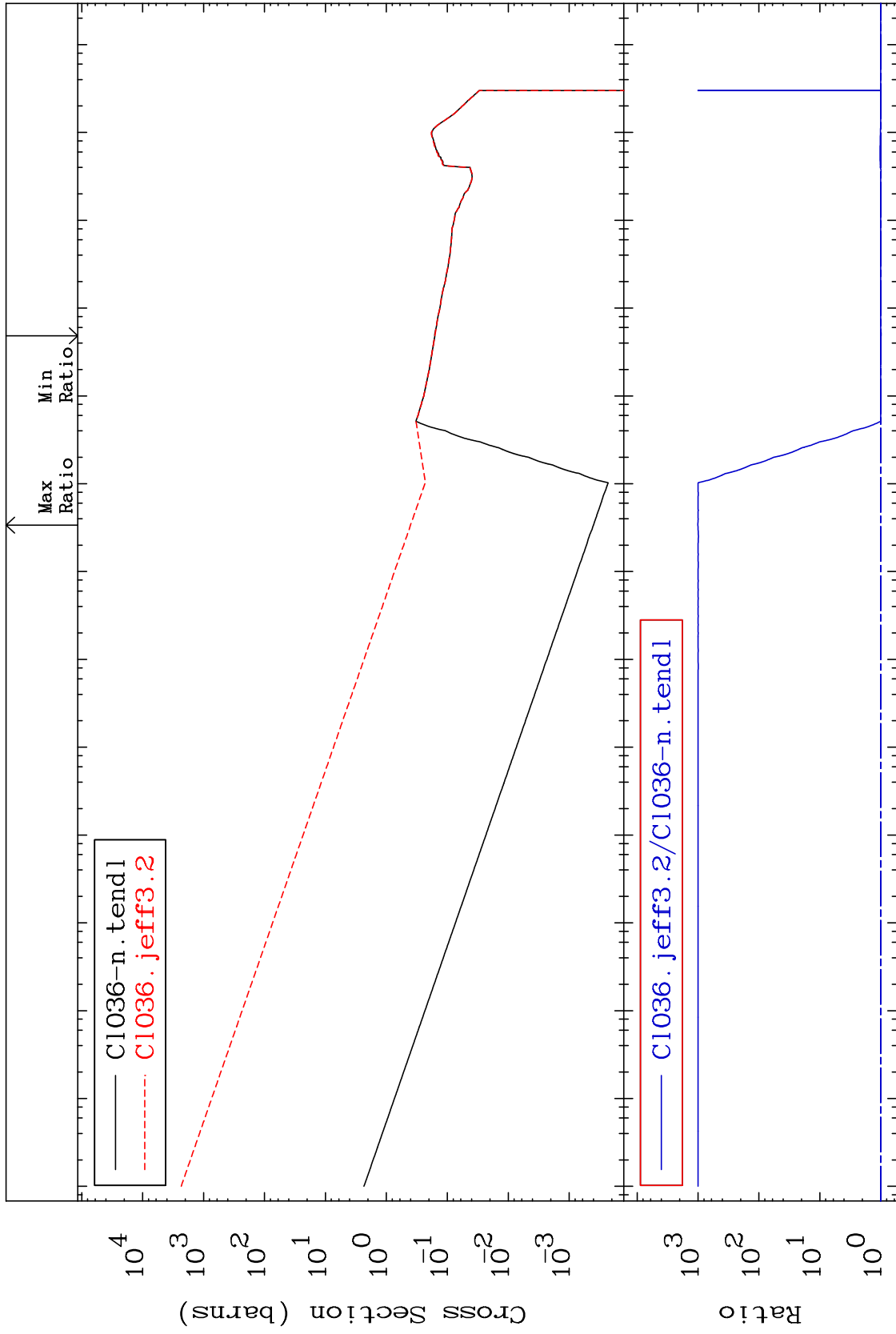
MAT 1728

(n,p)

17-Cl-36

Cross Section

-1.460 To 9999. %



Incident Energy (eV)

17-Cl-36

48

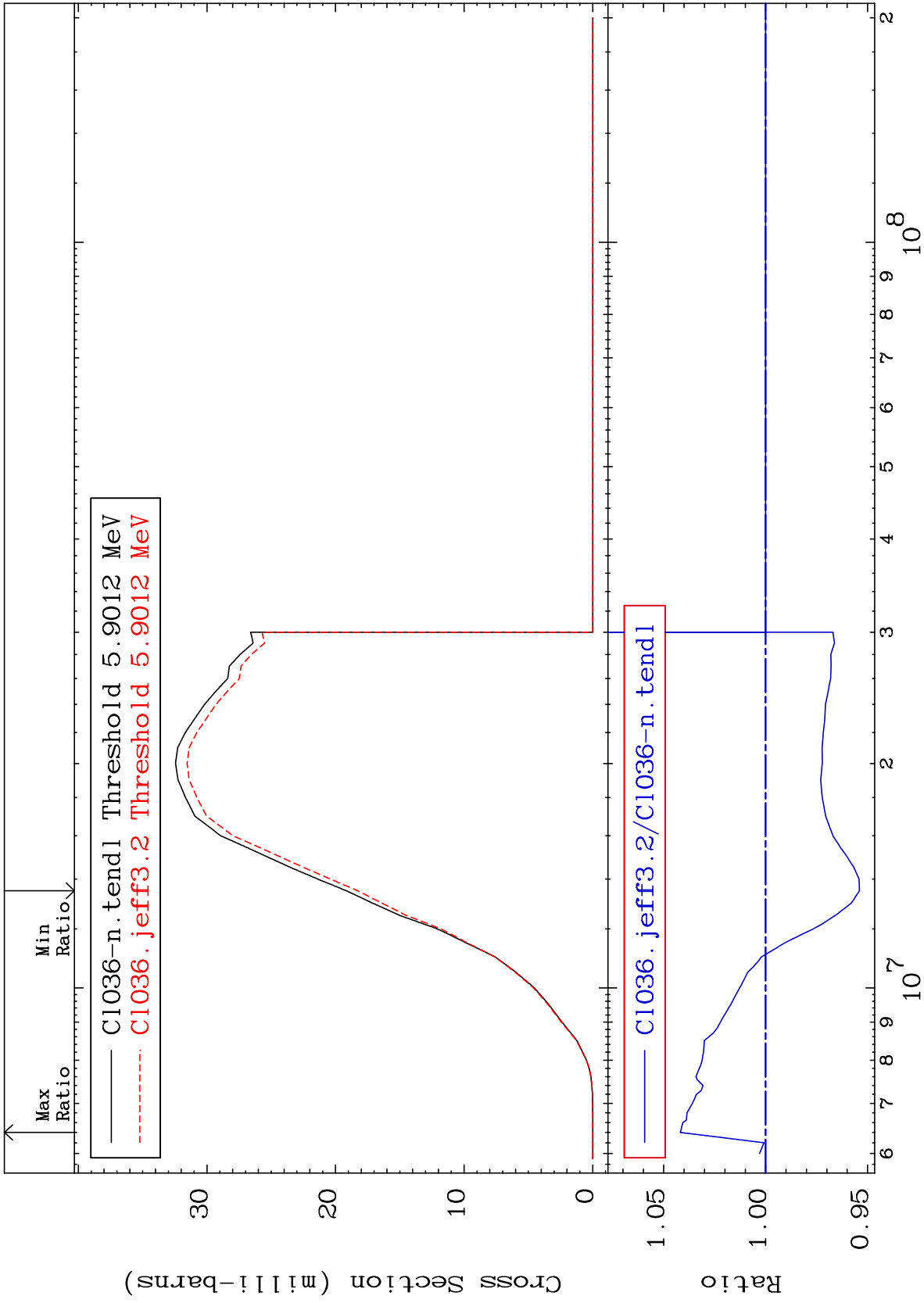
MAT 1728

(n, d)

17-Cl-36

Cross Section

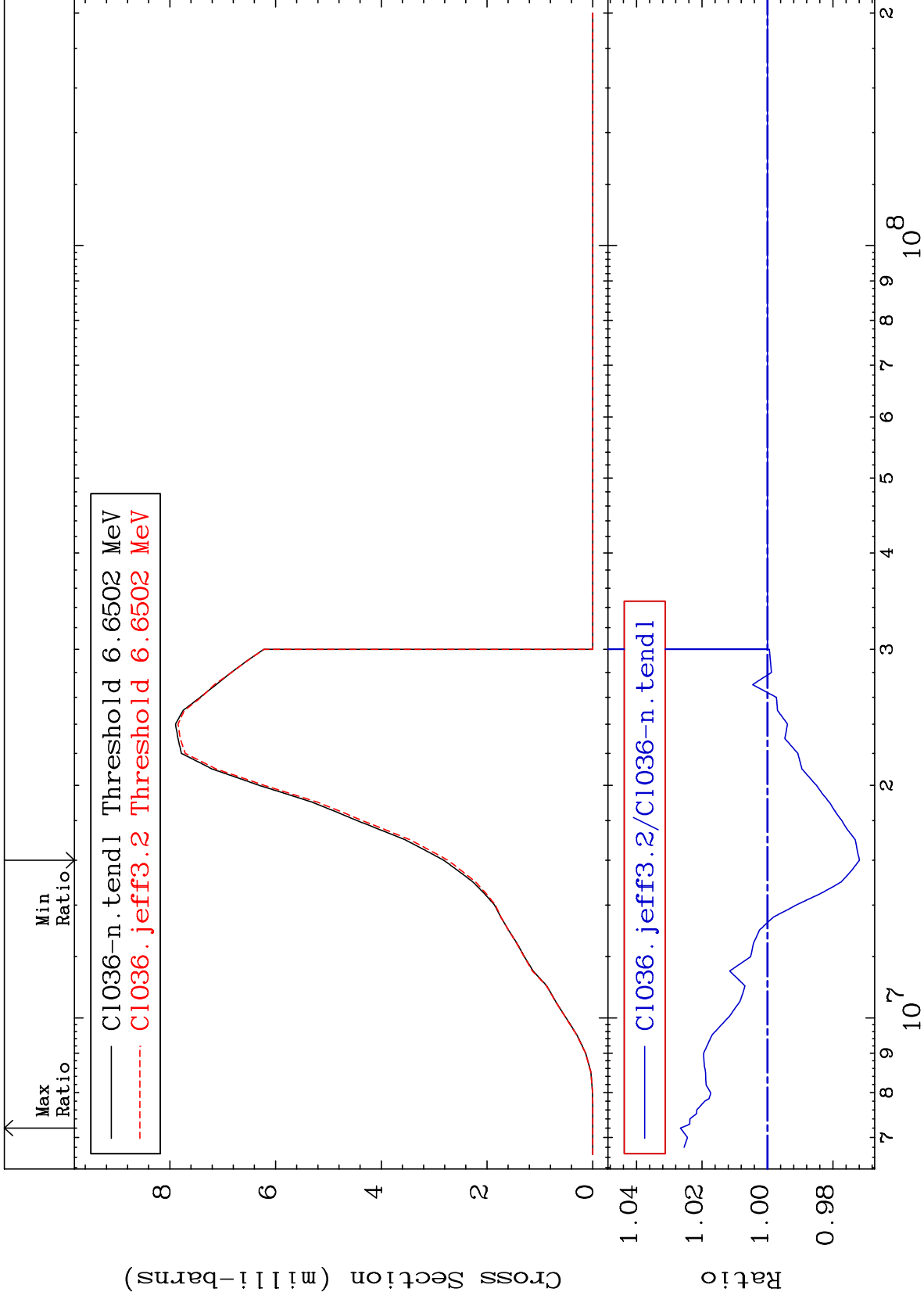
-4.599 To 4.184 %



MAT 1728

(n, t)
Cross Section

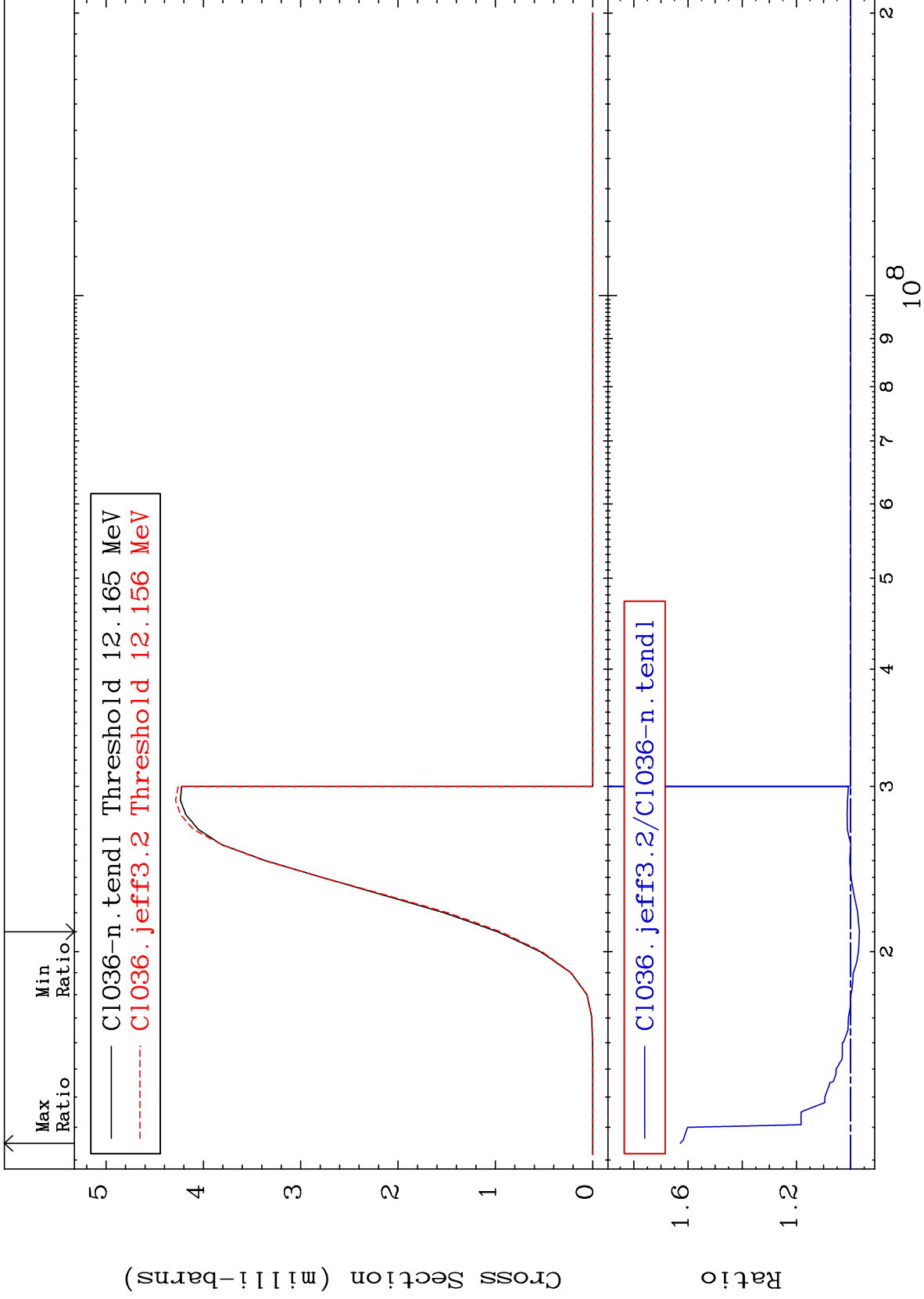
17-Cl-36
-2.809 To 2.661 %



50

Incident Energy (eV)

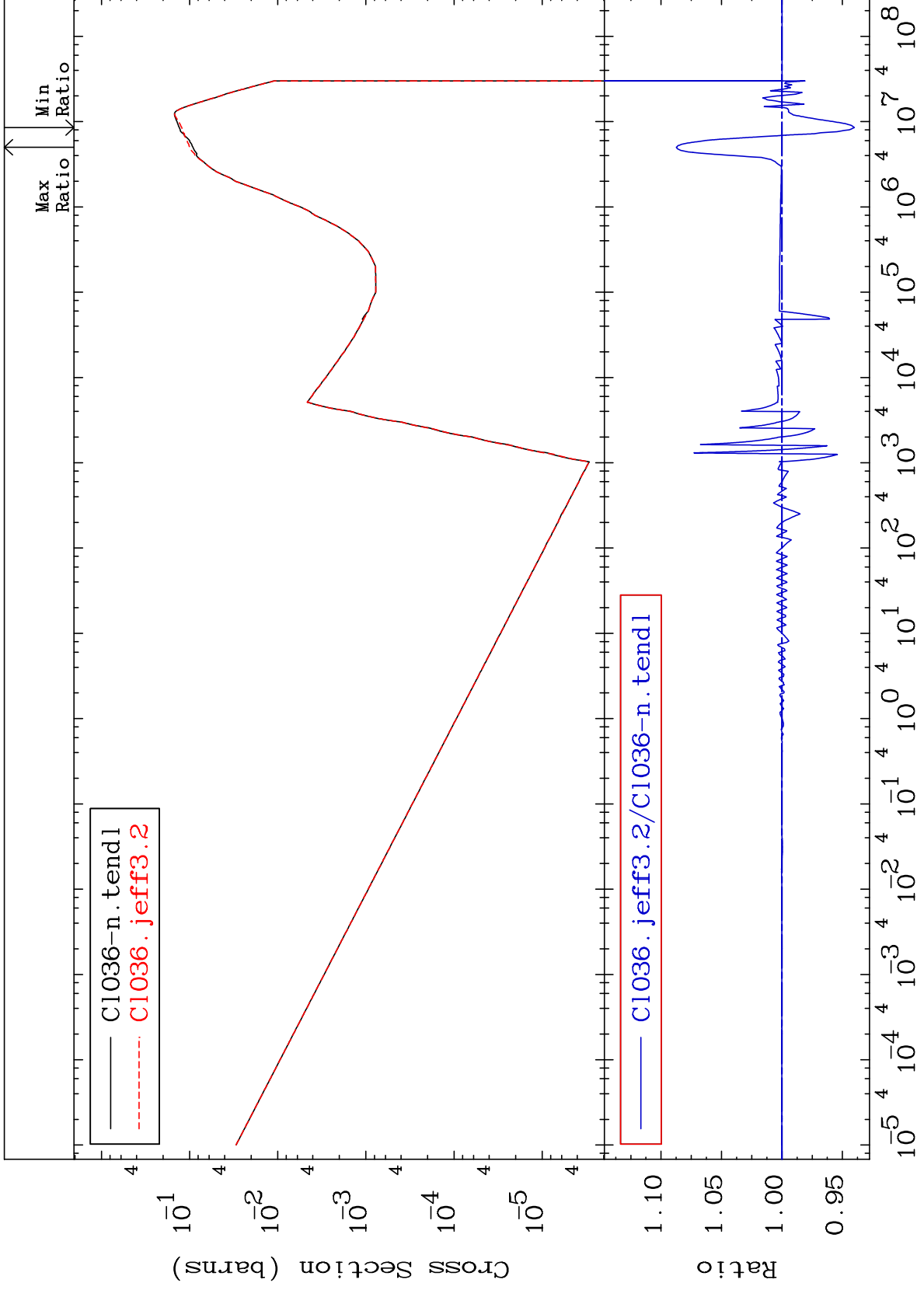
17-Cl-36



MAT 1728

(n, α)
Cross Section

17-Cl-36
-5.987 To 8.734 %



MAT 1728

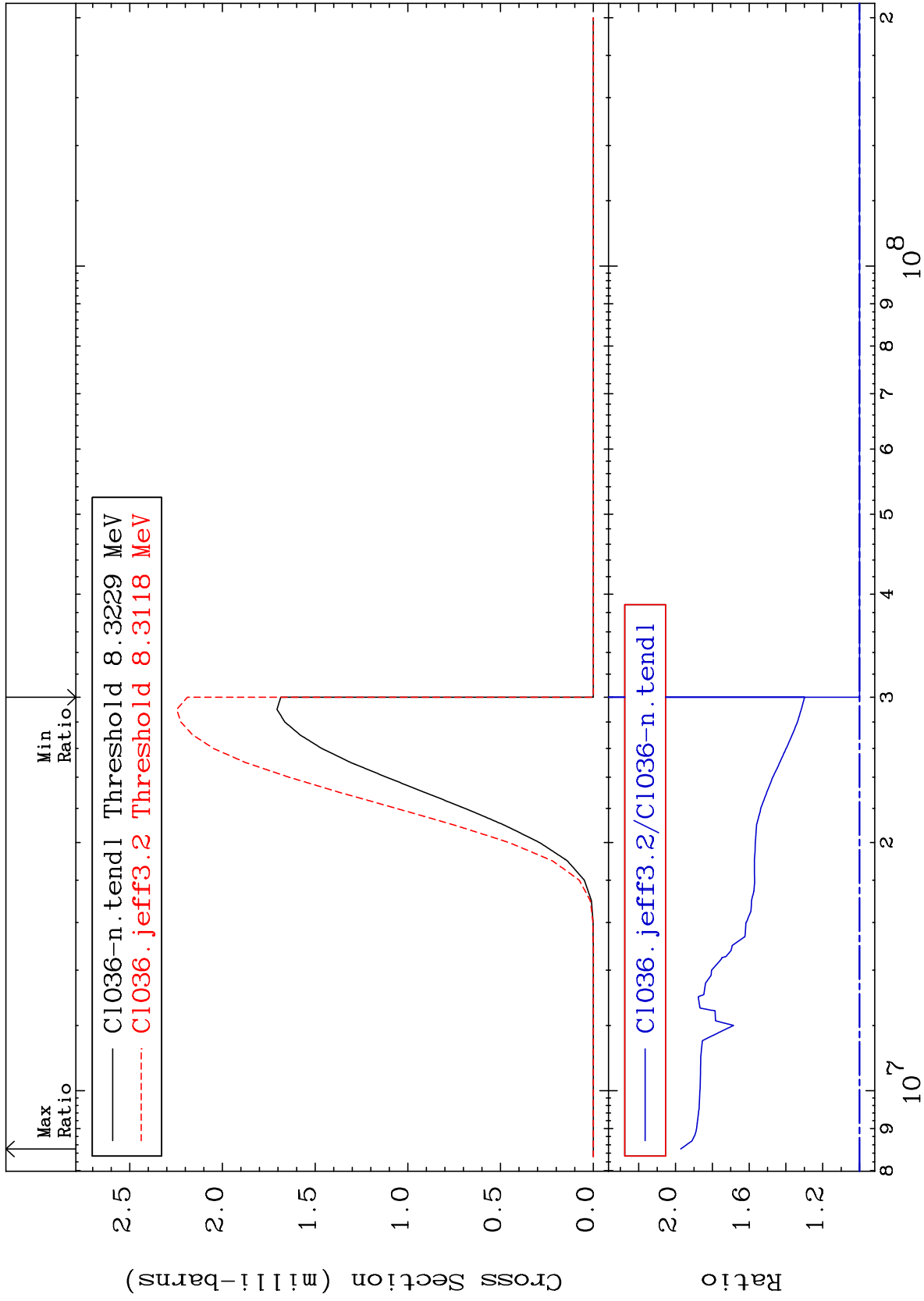
(n,2α)

17-Cl-36

Cross Section

0.000

To 97.16 %

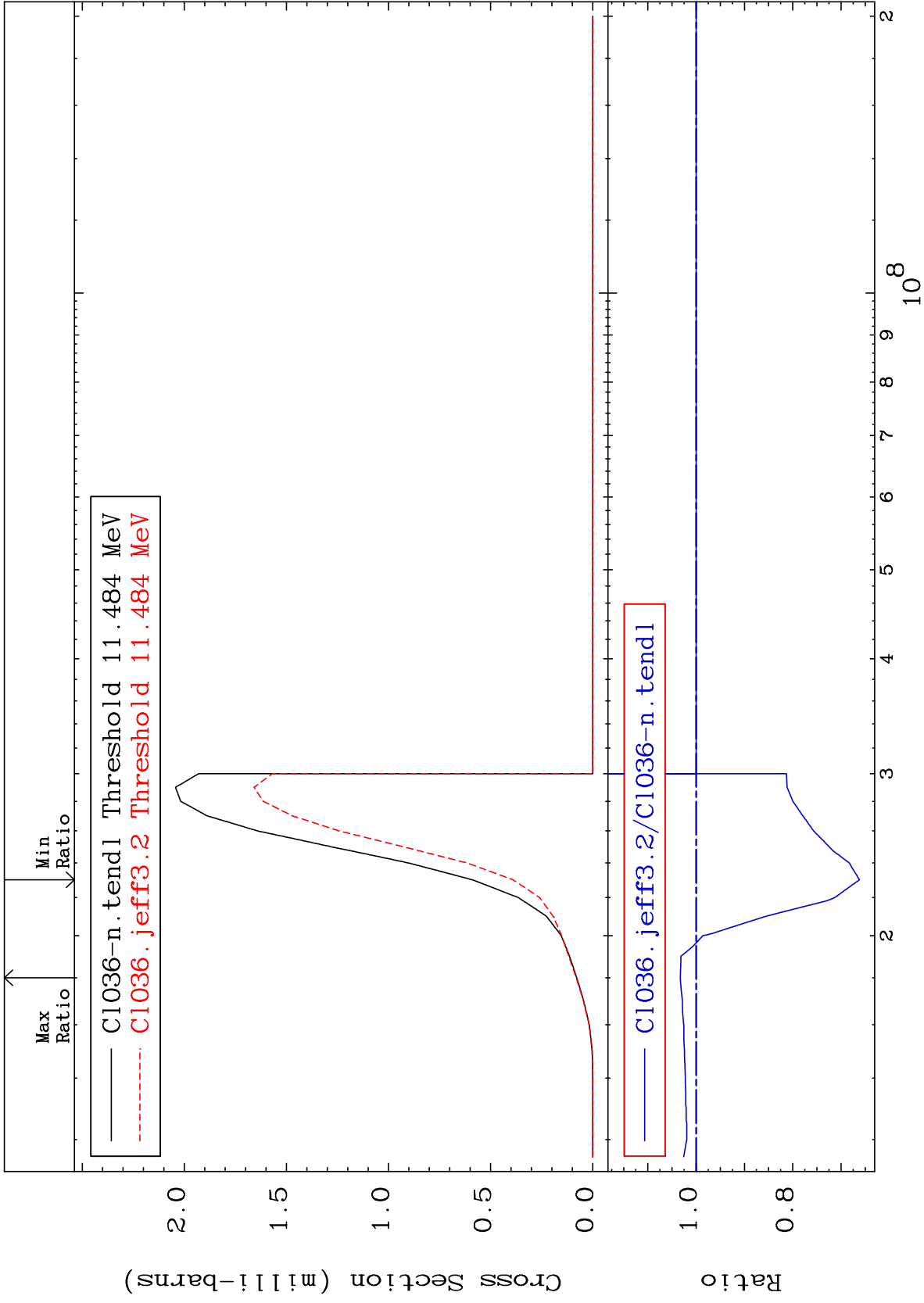


53

17-Cl-36

Cross Section

-33.81 To 3.269 %



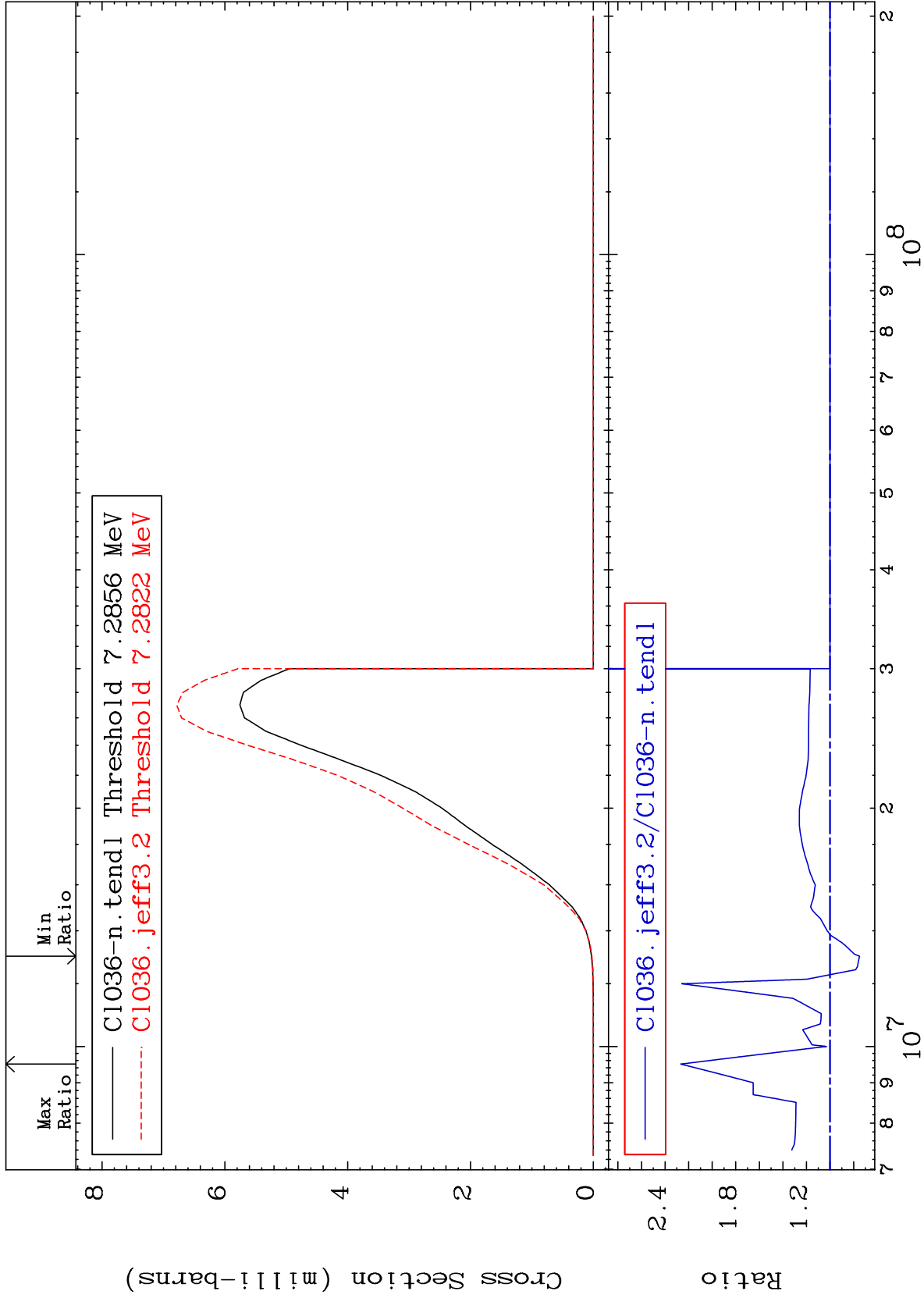
MAT 1728

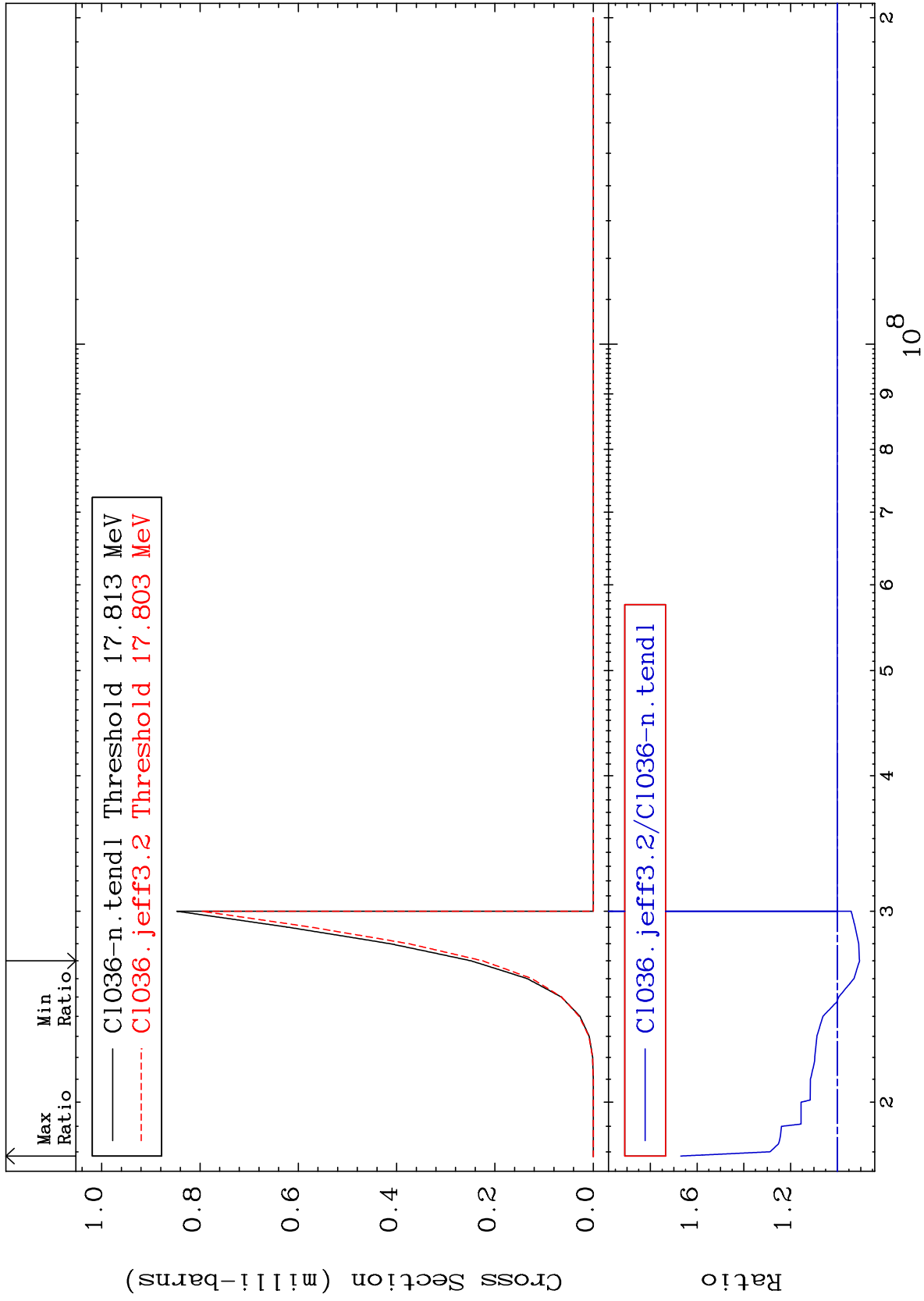
(n,p) α

17-Cl-36

Cross Section

-25.03 To 126.7 %





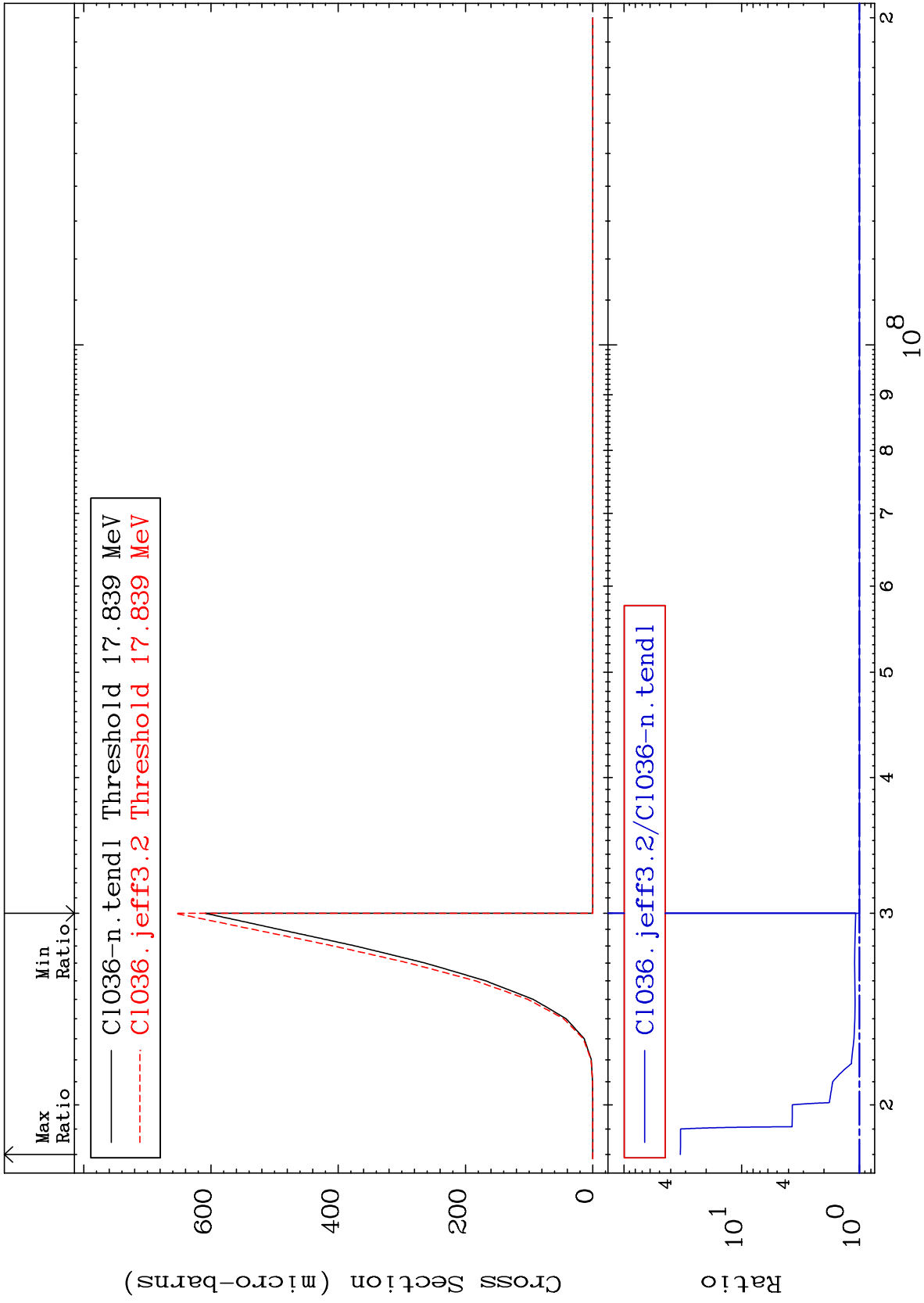
MAT 1728

(n,p) t

17-Cl-36

Cross Section

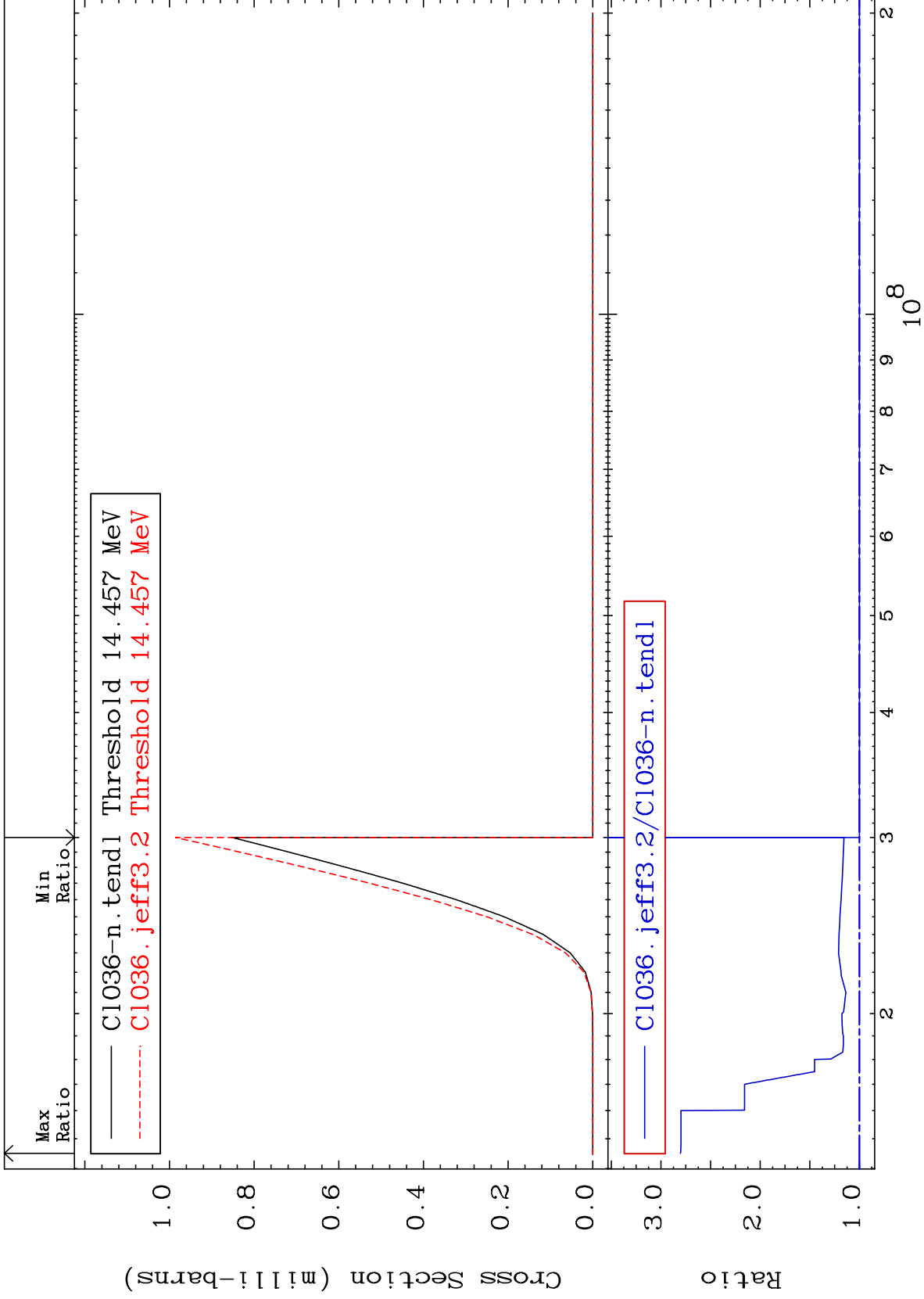
0.000 To 3219. %



57

17-Cl-36

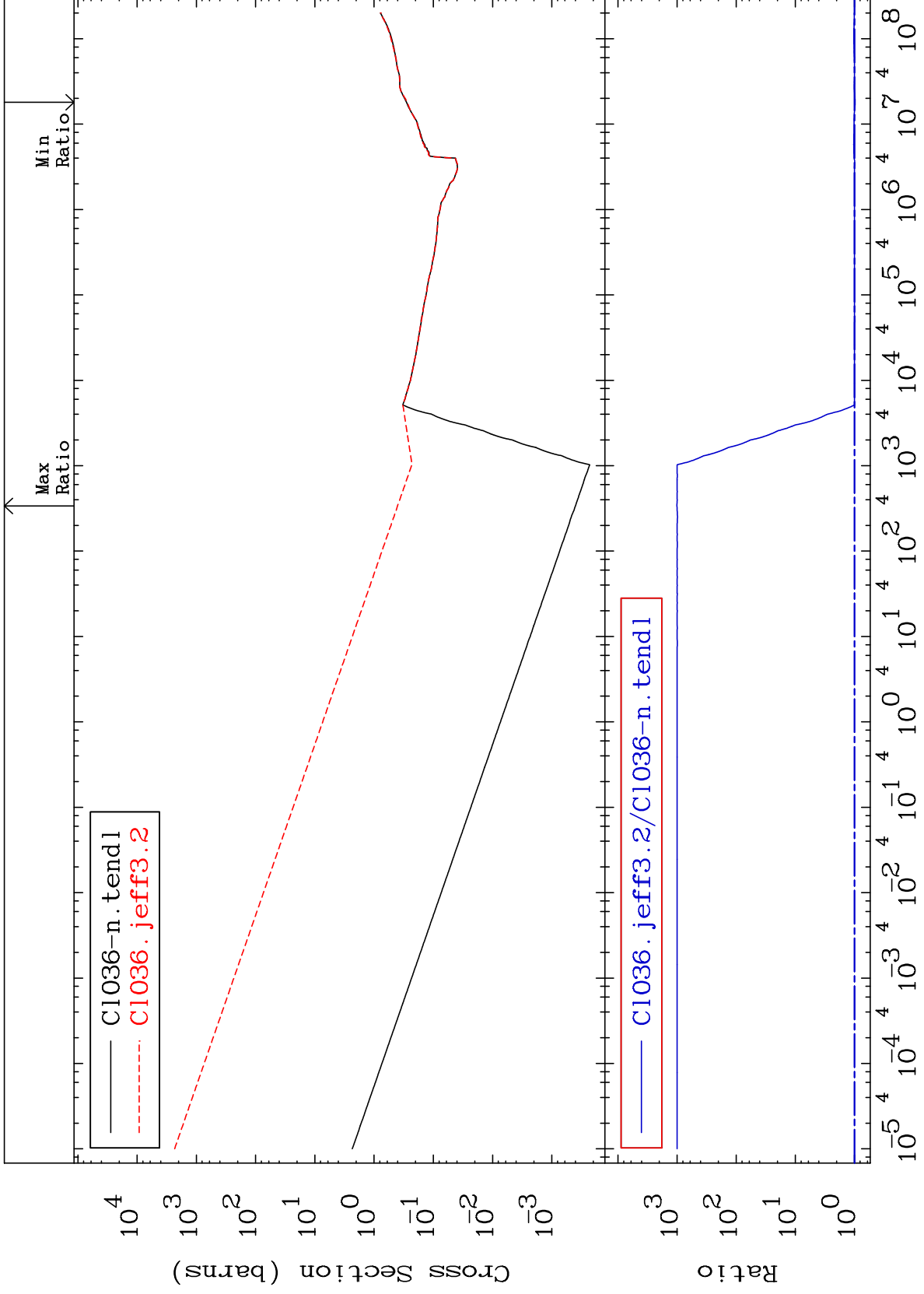
17-Cl-36



MAT 1728

Hydrogen Production
Cross Section

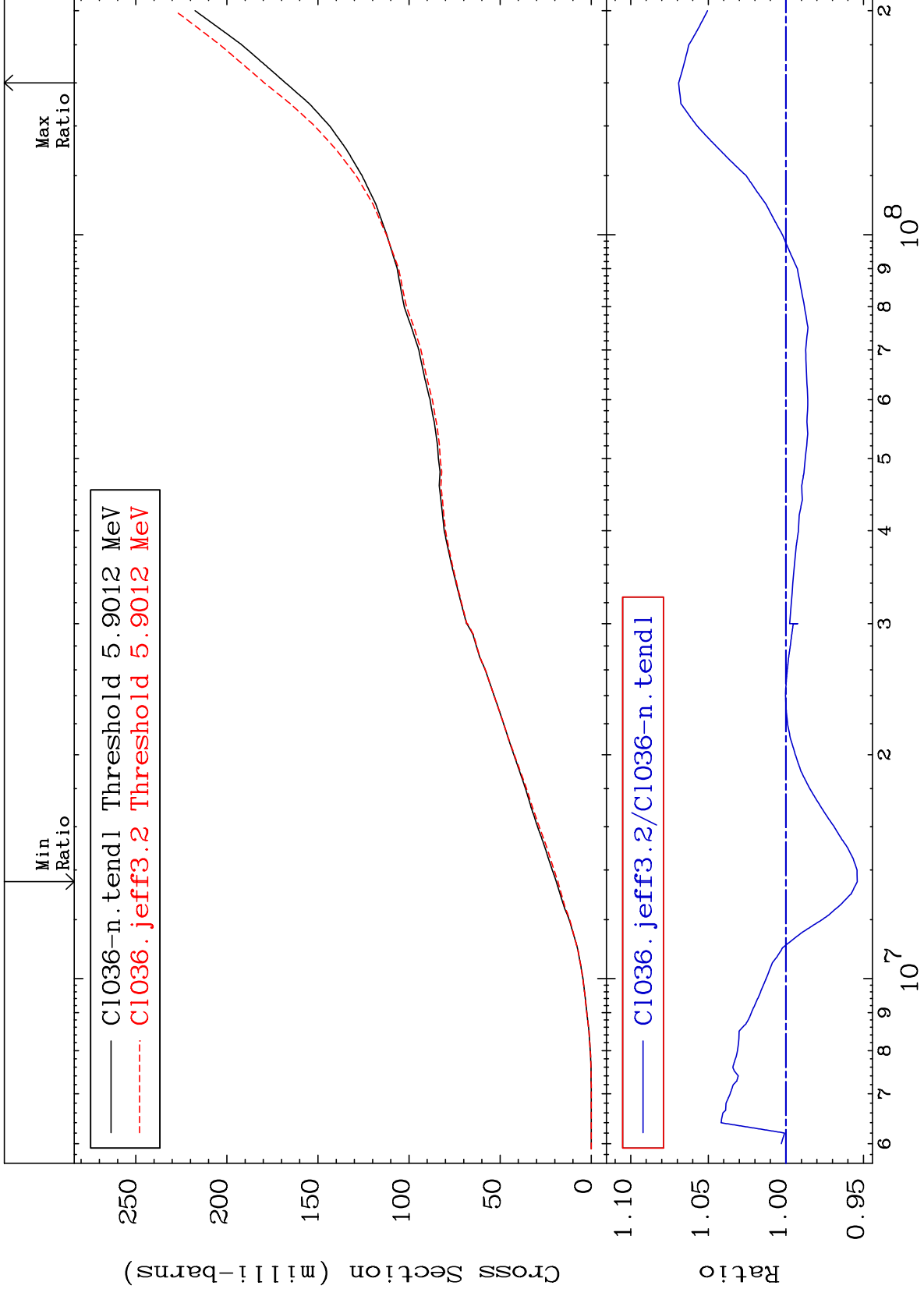
17-Cl-36
-2.507 To 9999. %



MAT 1728

Deuterium Production
Cross Section

17-Cl-36
-4.599 To 6.912 %



60

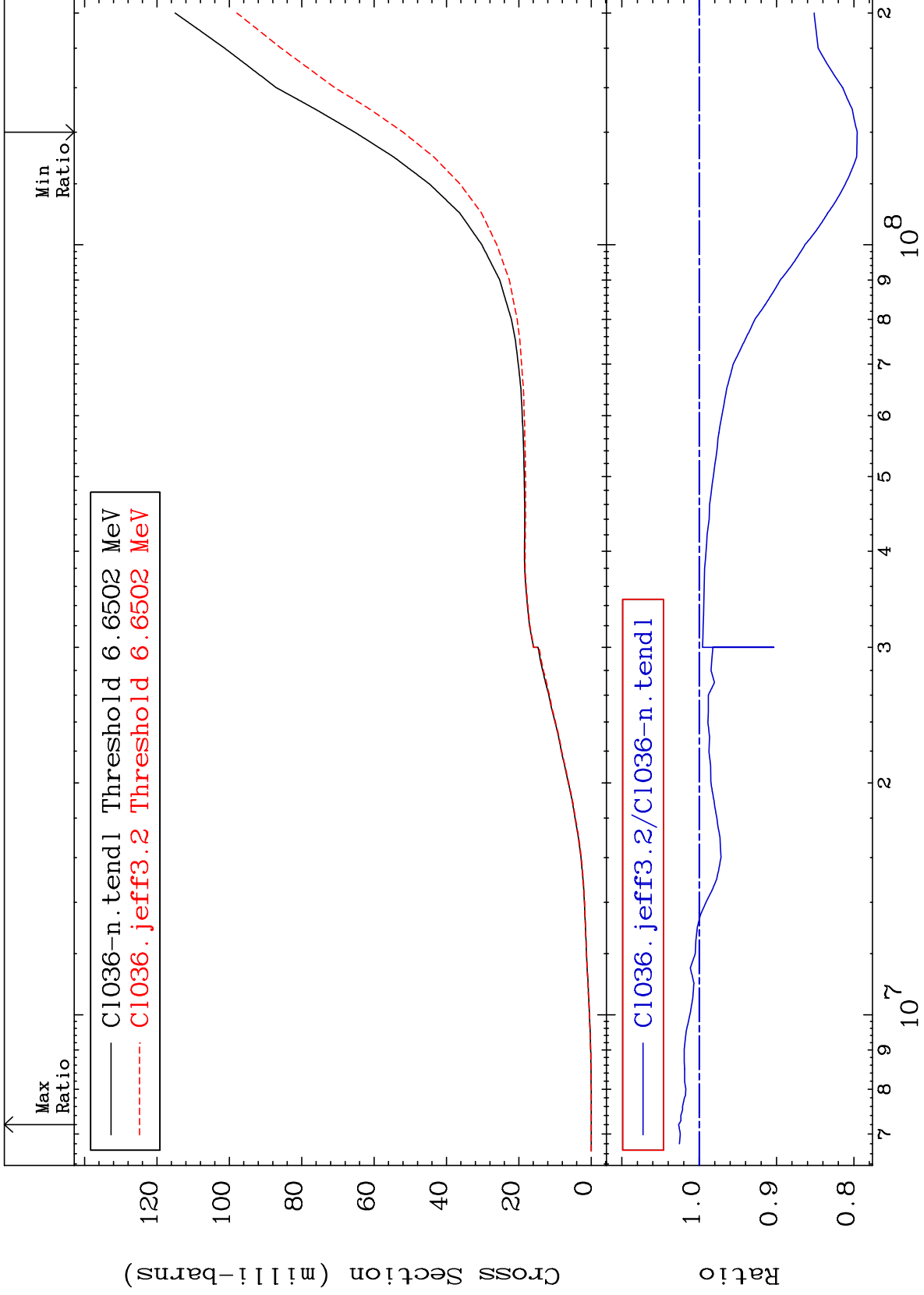
Incident Energy (eV)

17-Cl-36

MAT 1728

Tritium Production
Cross Section

17-Cl-36
-20.44 To 2.661 %



61

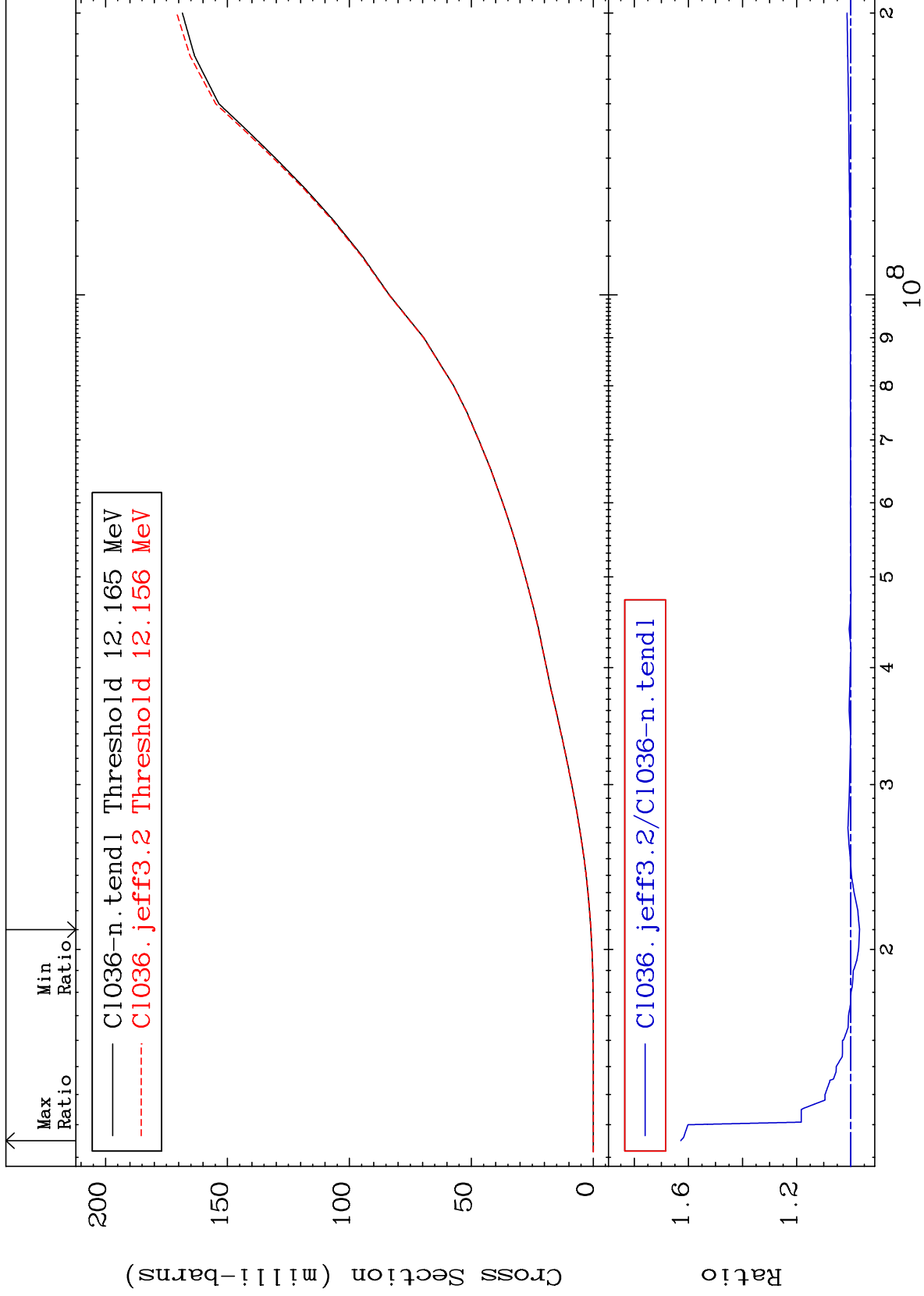
Incident Energy (eV)

17-Cl-36

MAT 1728

He-3 Production
Cross Section

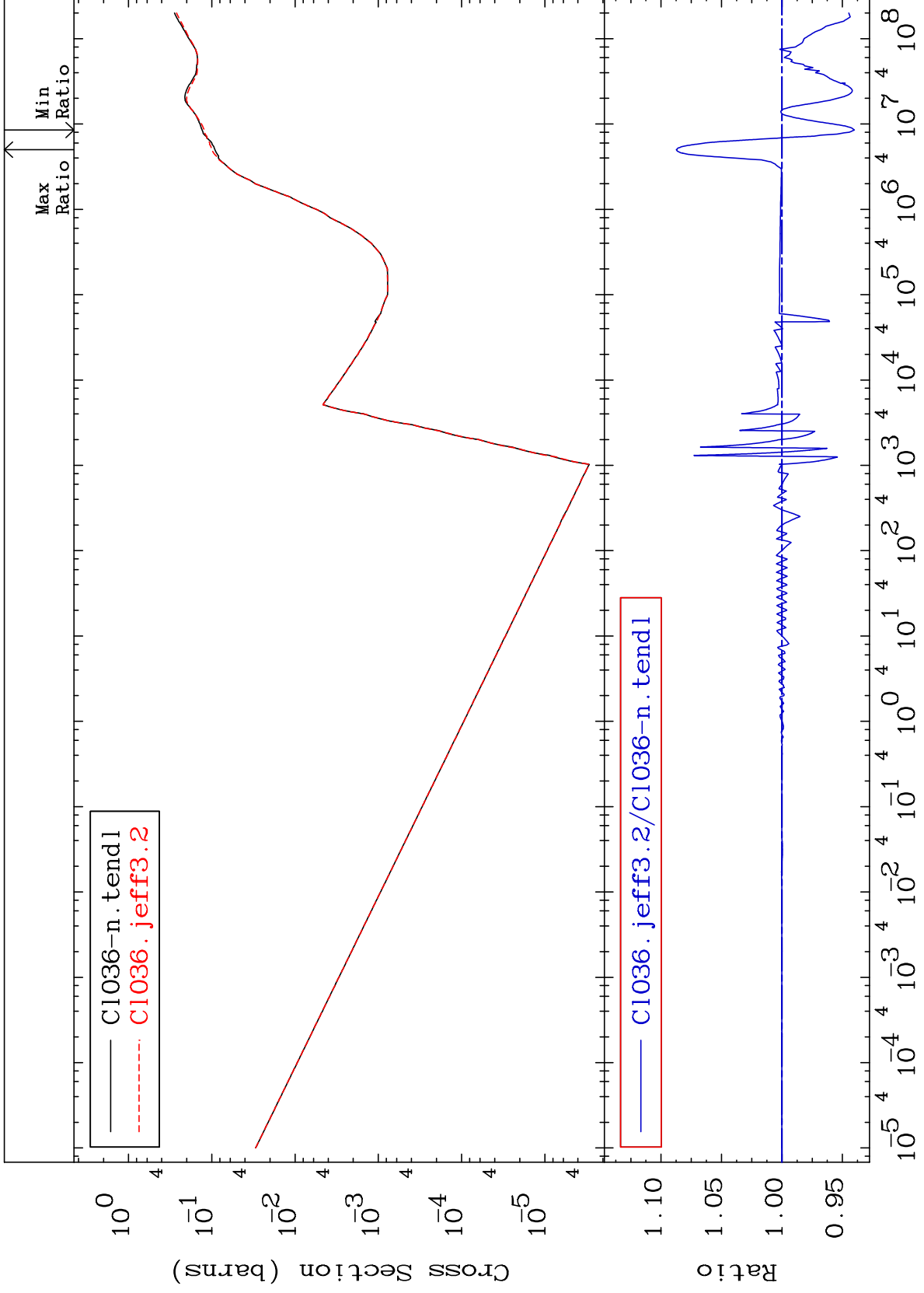
17-Cl-36
-3.234 To 62.86 %

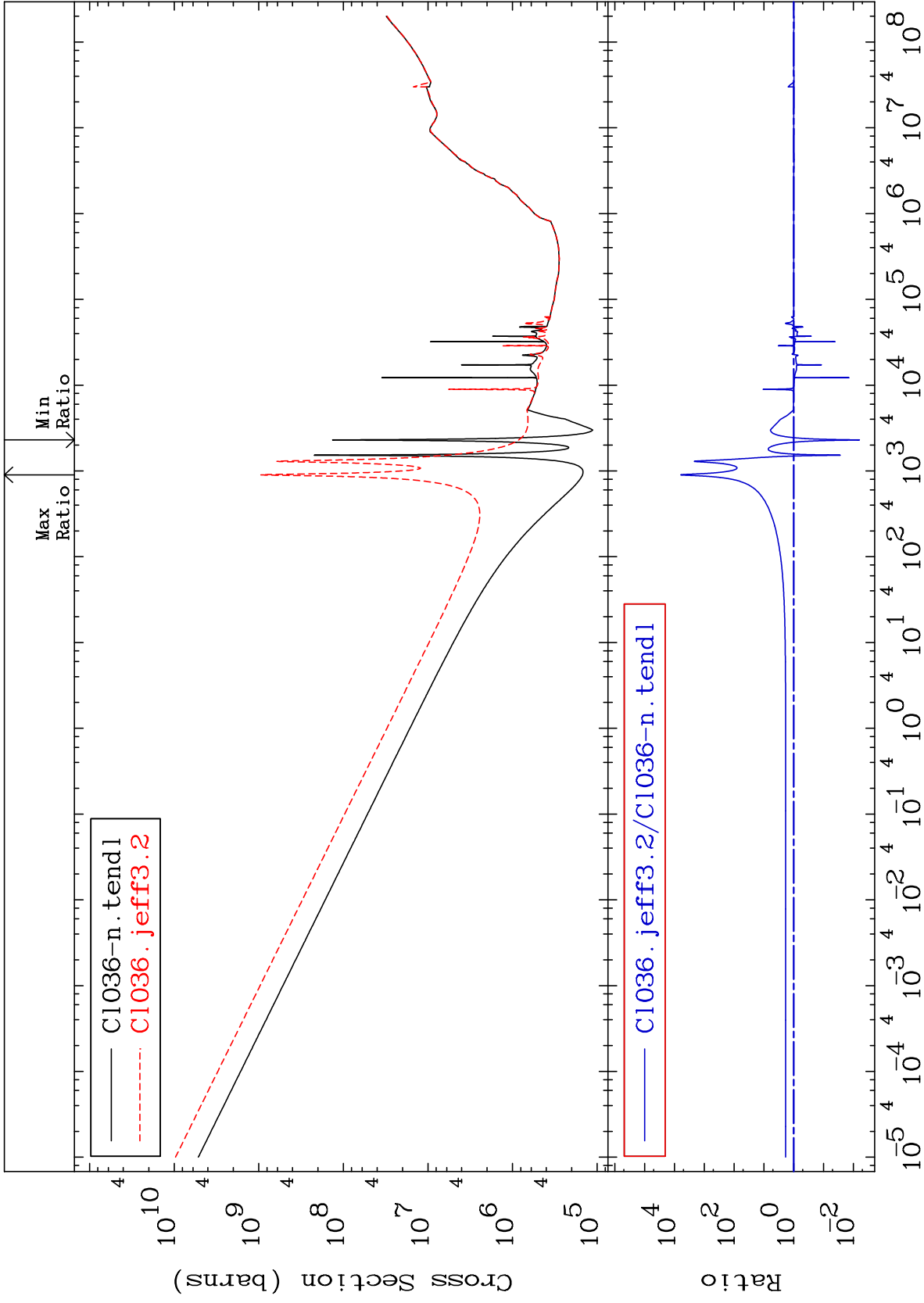


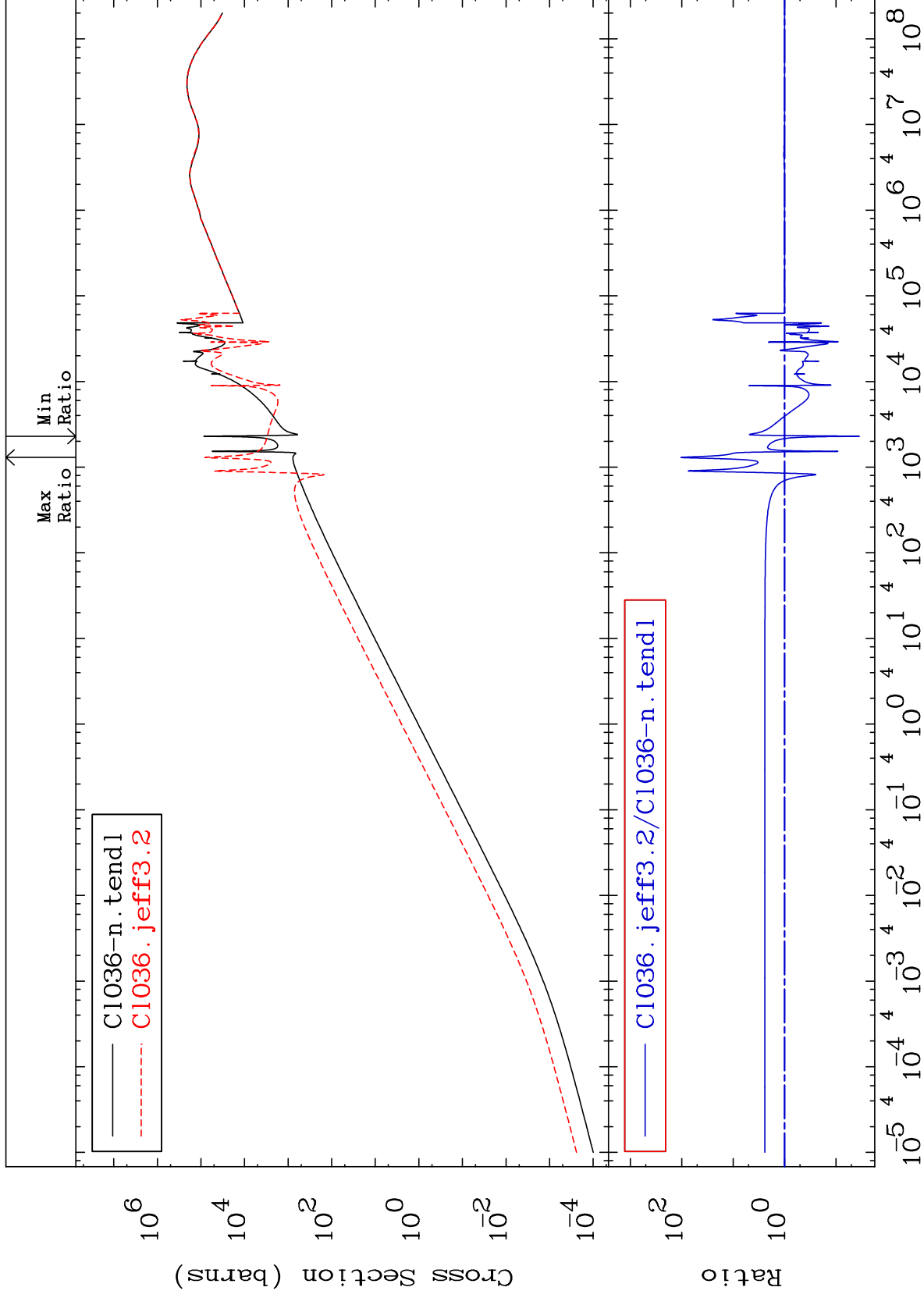
62

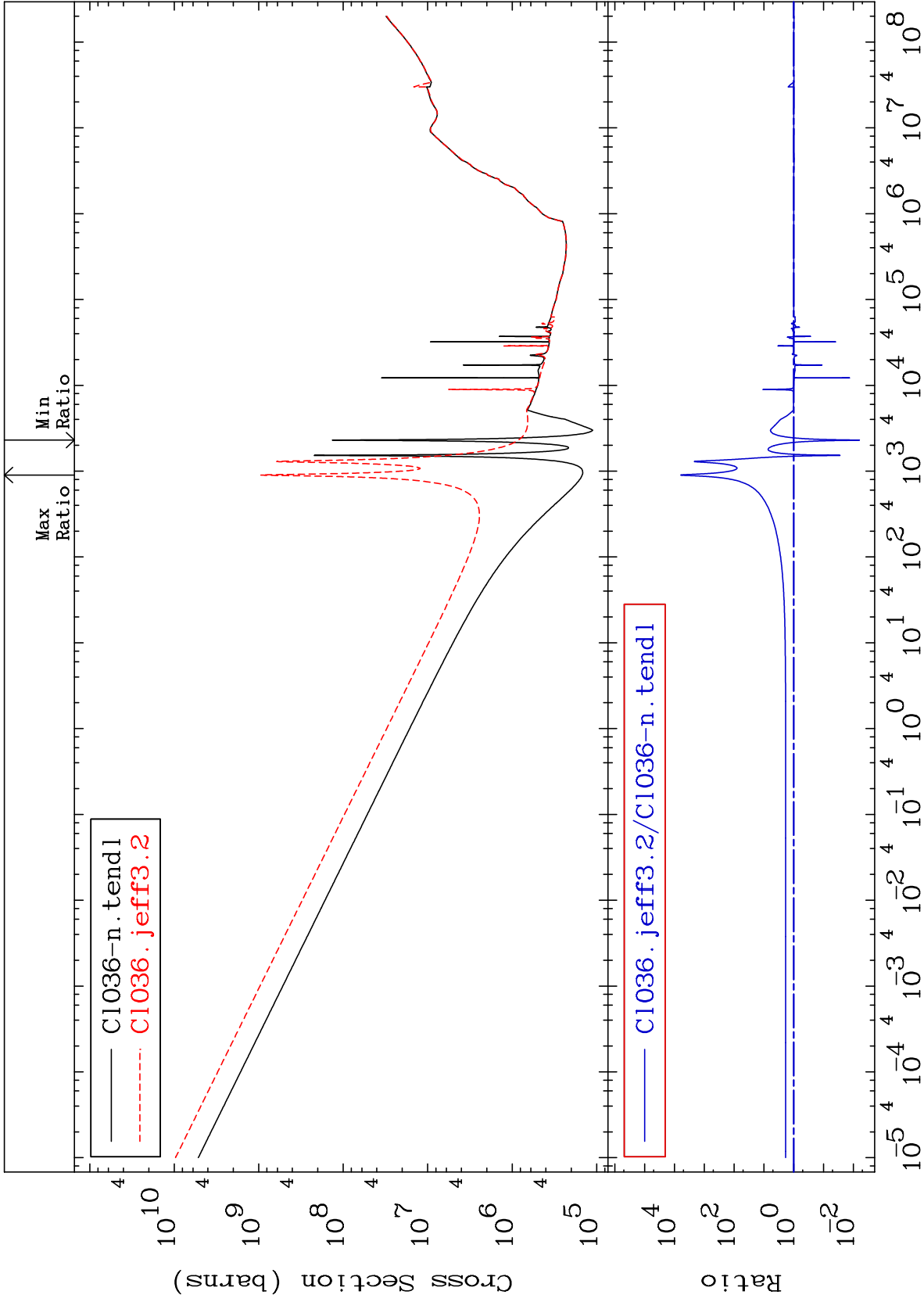
Incident Energy (eV)

17-Cl-36





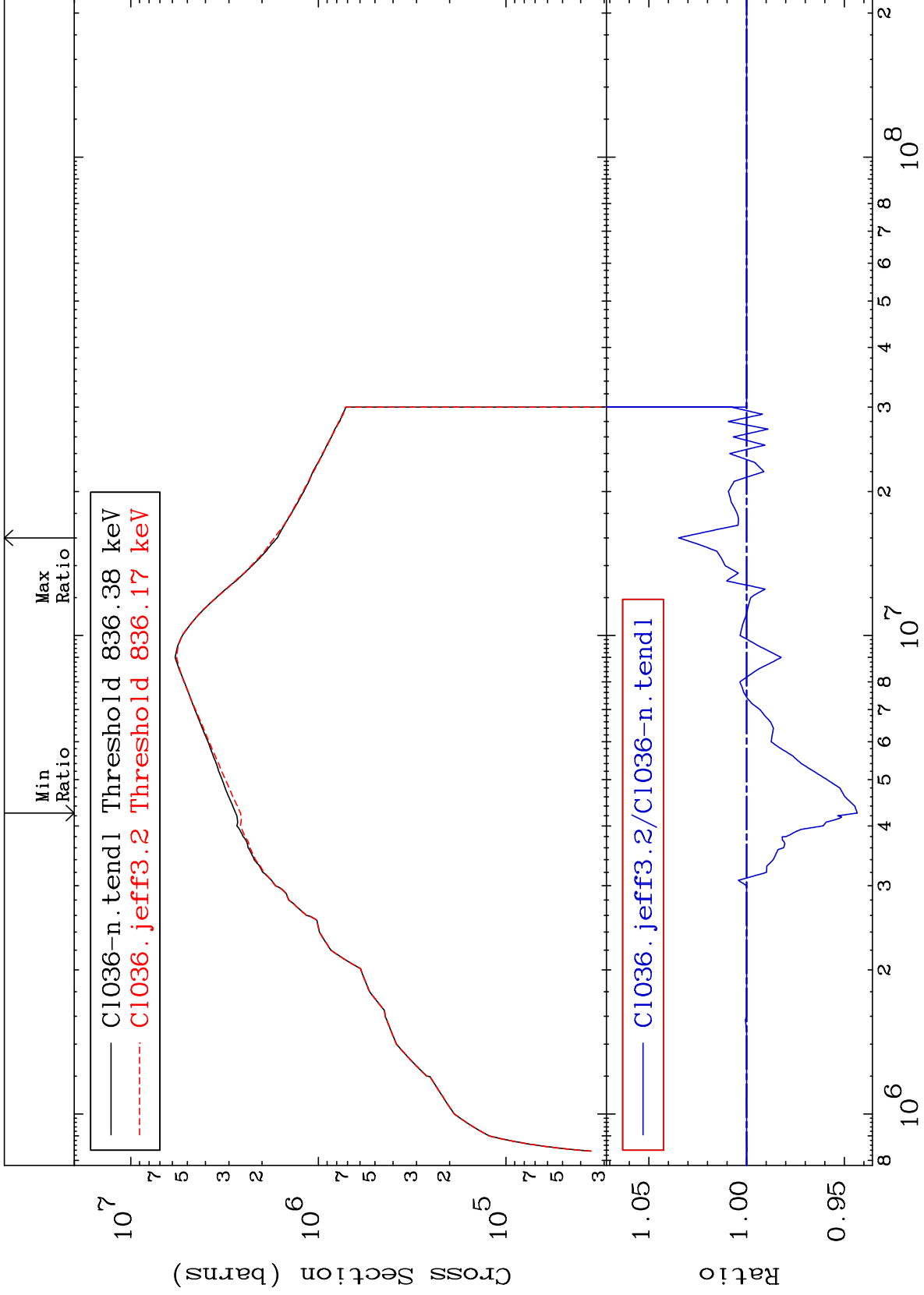




MAT 1728

Kerma inelastic (mt51-91)
Cross Section

17-Cl-36
-5.664 To 3.474 %



67

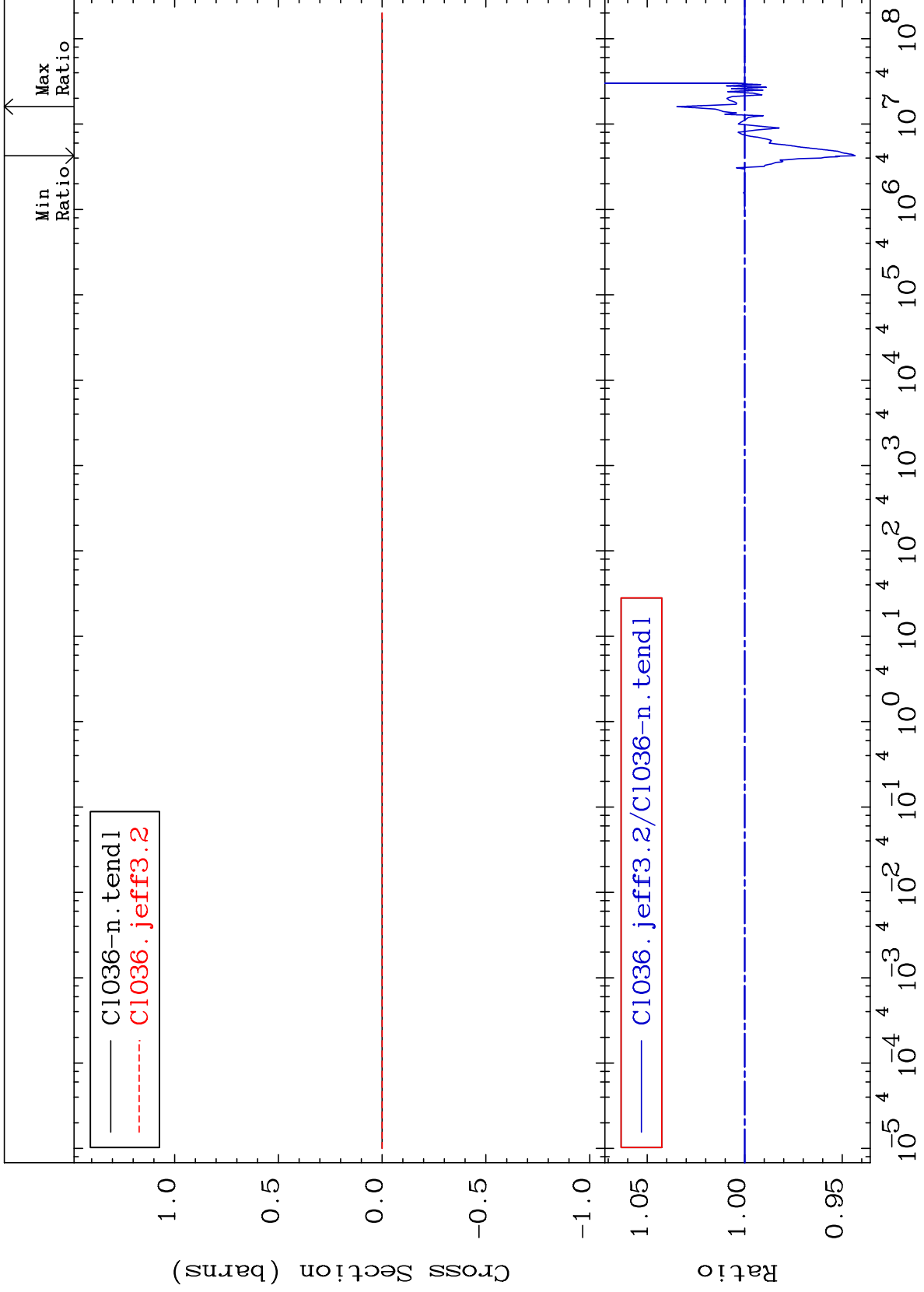
Incident Energy (eV)

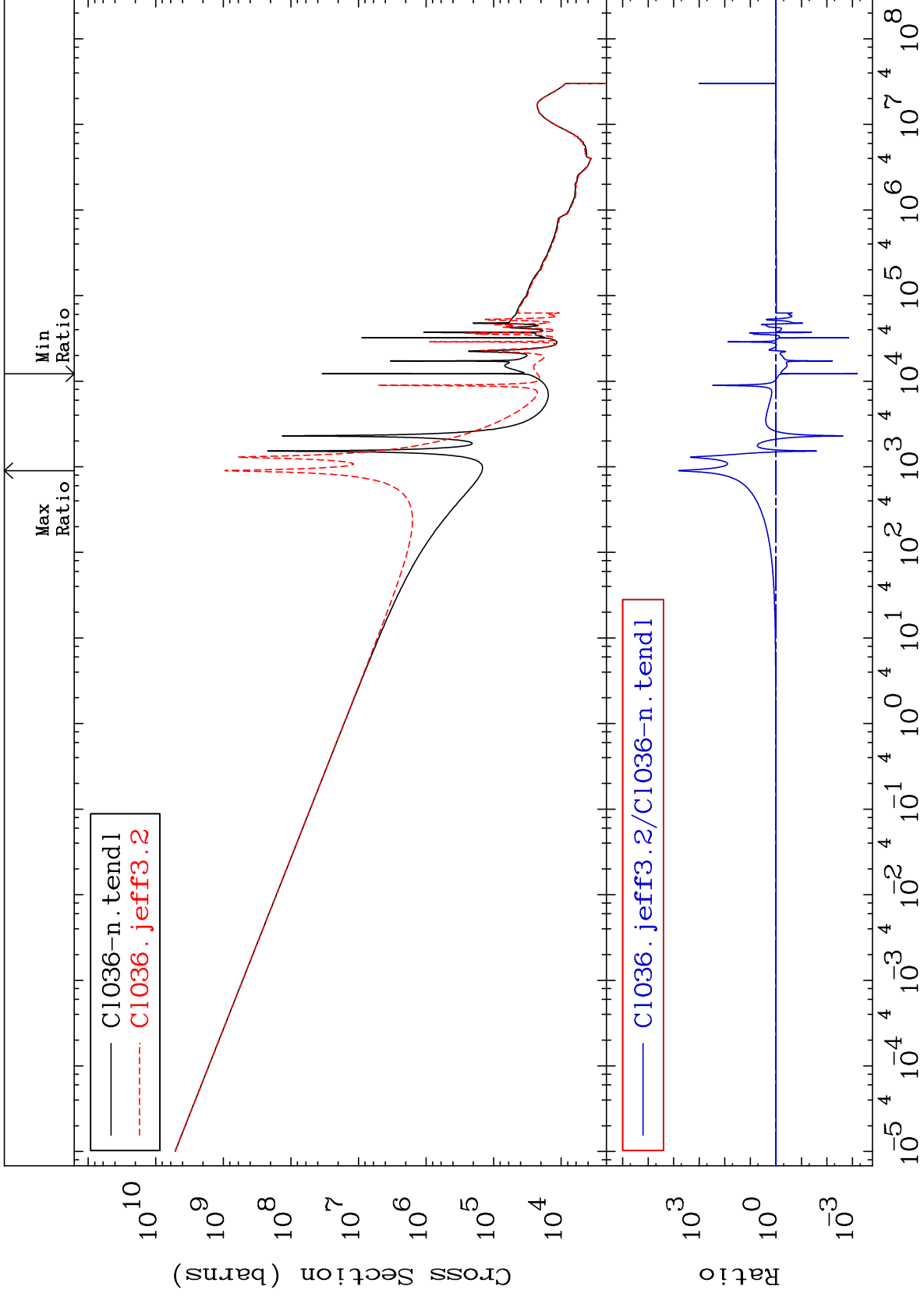
17-Cl-36

MAT 1728

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

17-C1-36
-5.664 To 3.474 %



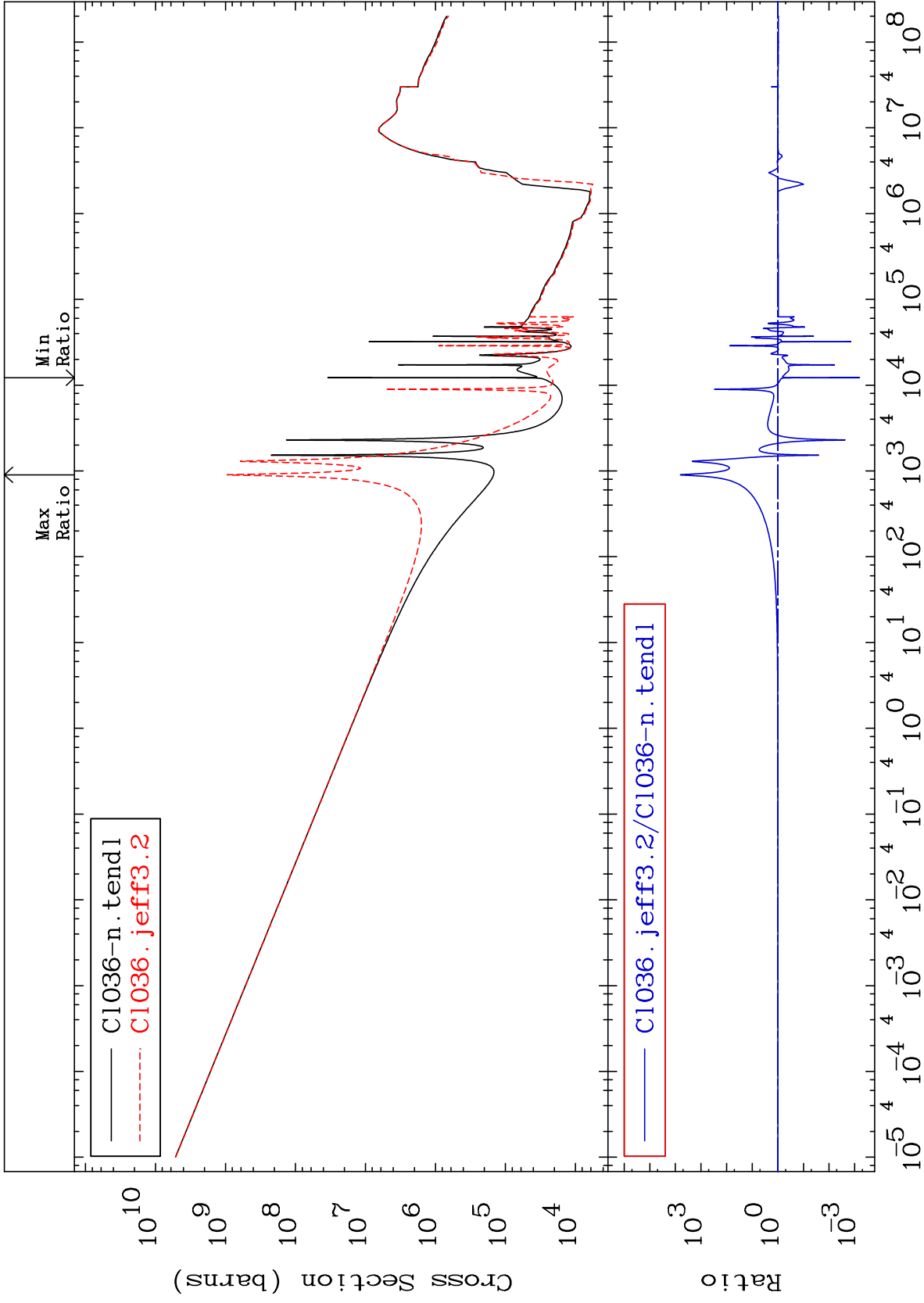


MAT 1728

Total photon (eV-barns)
Cross Section

17-Cl-36

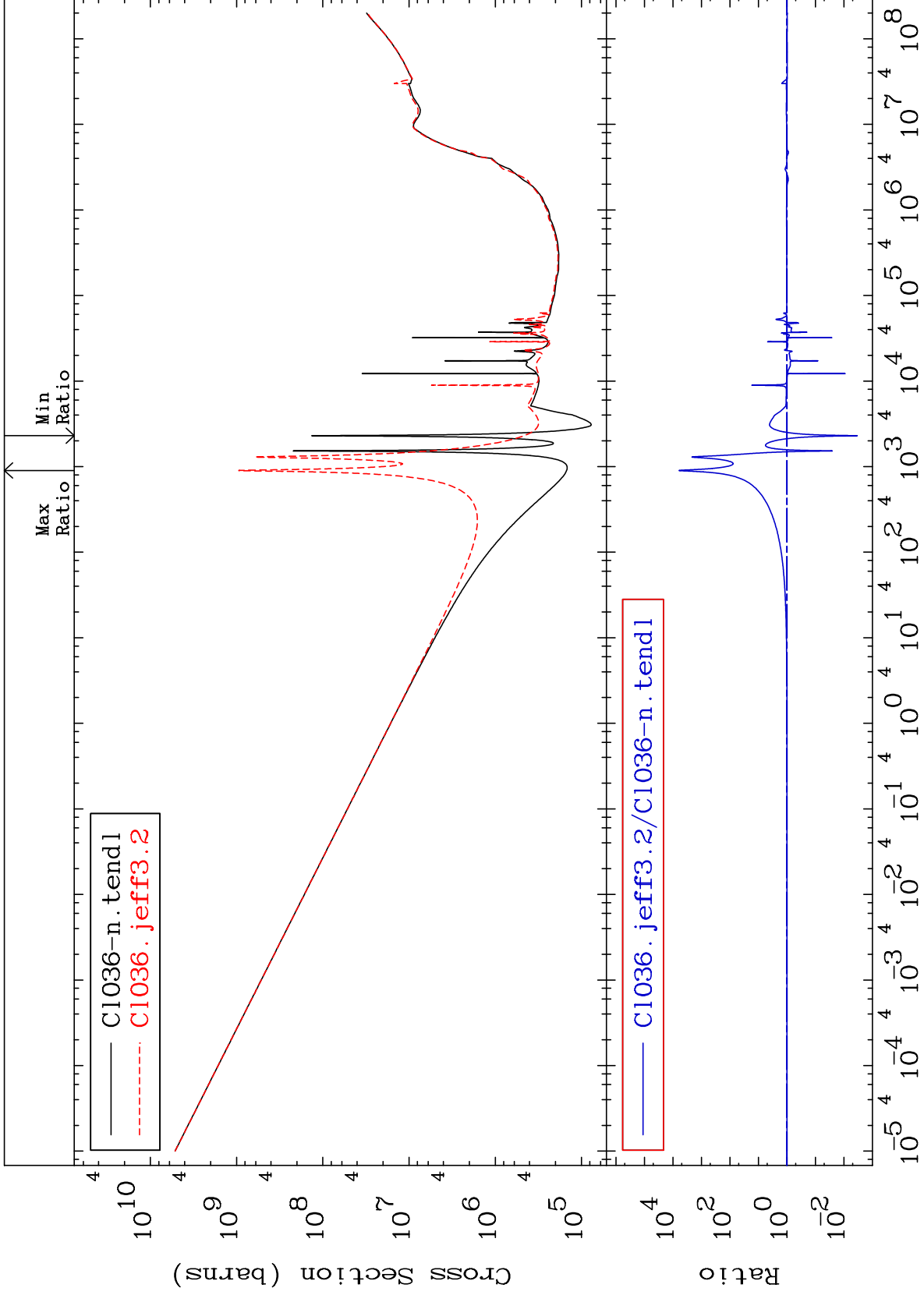
-99.93 To 9999. %

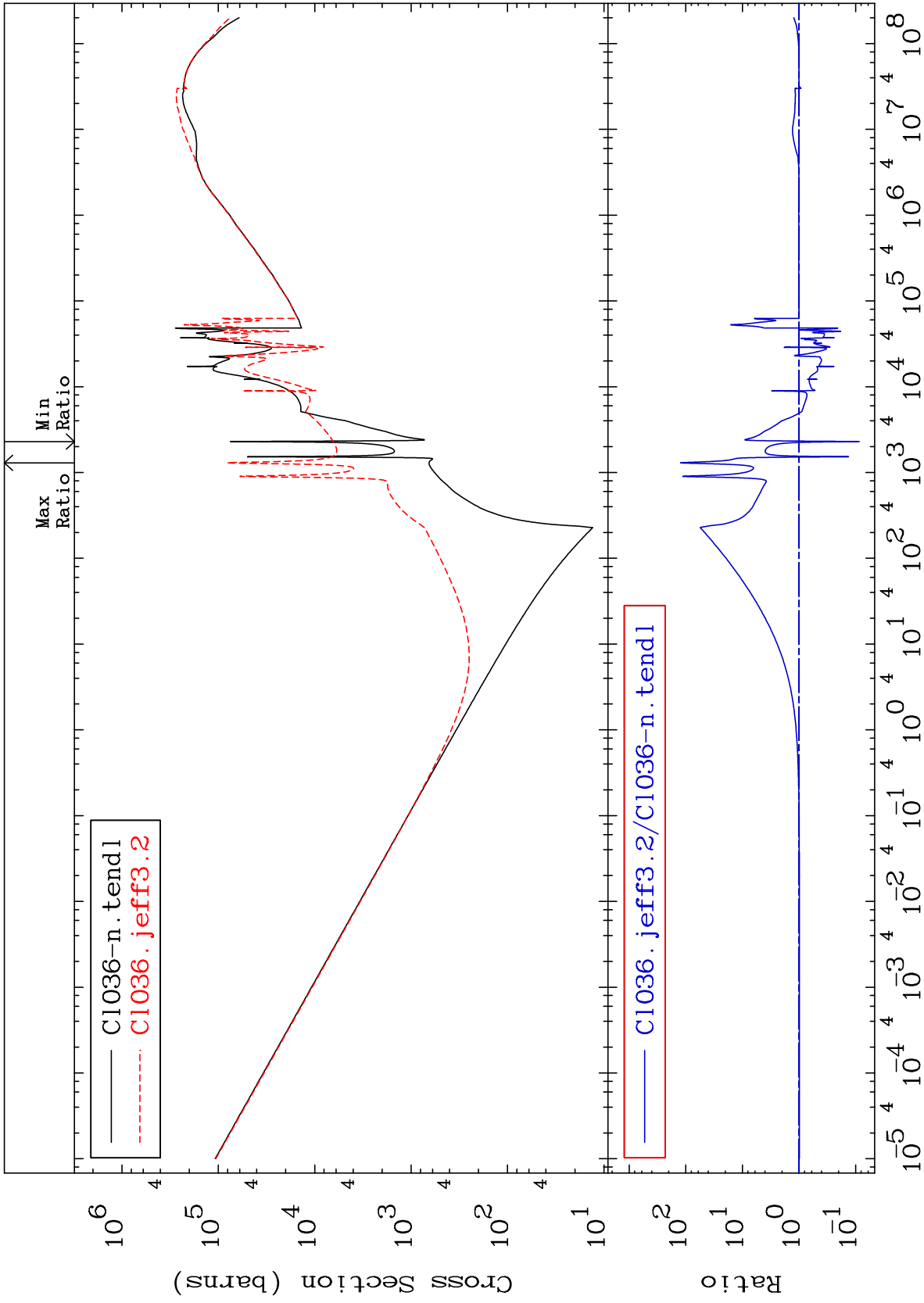


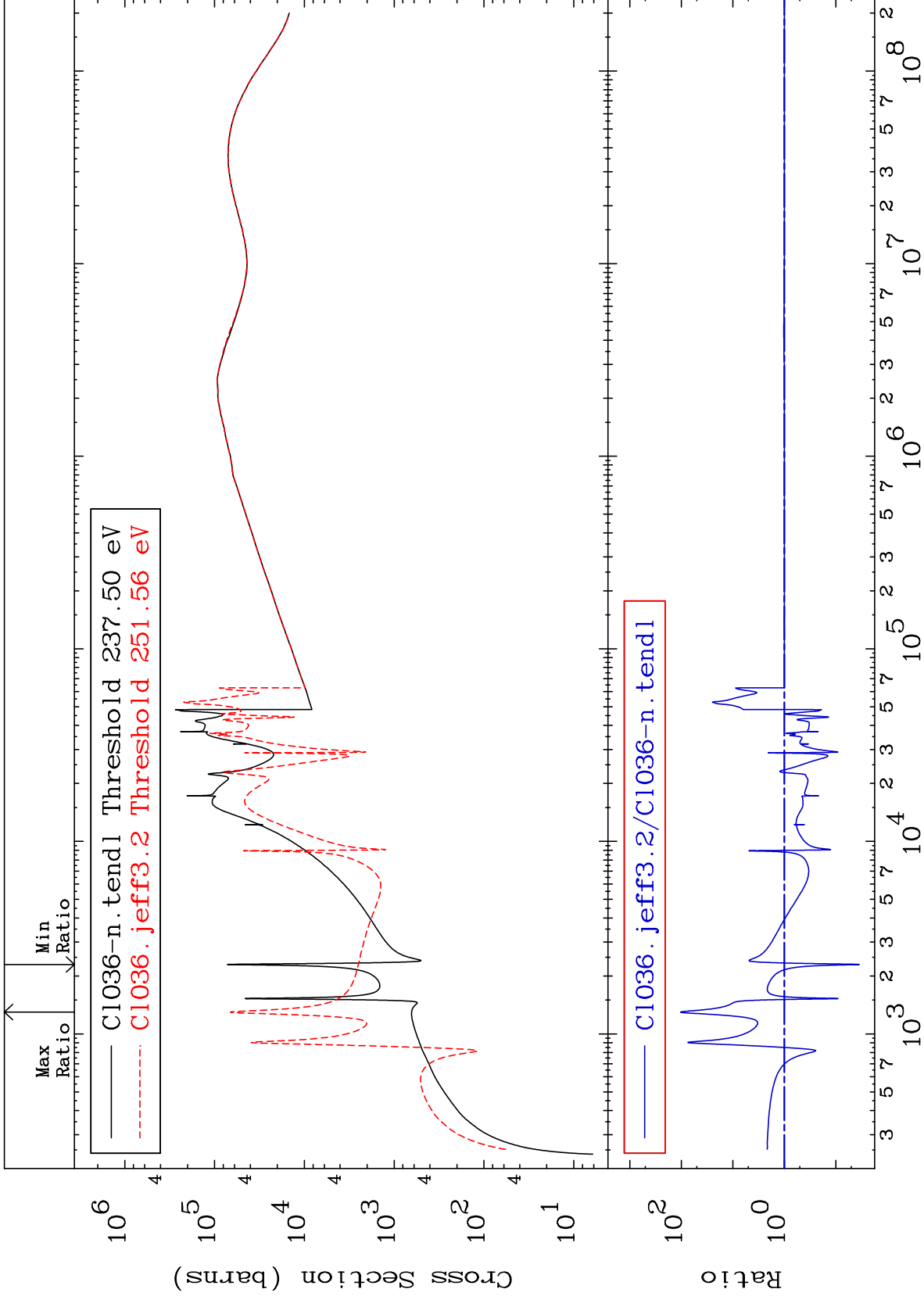
70

Incident Energy (eV)

17-Cl-36



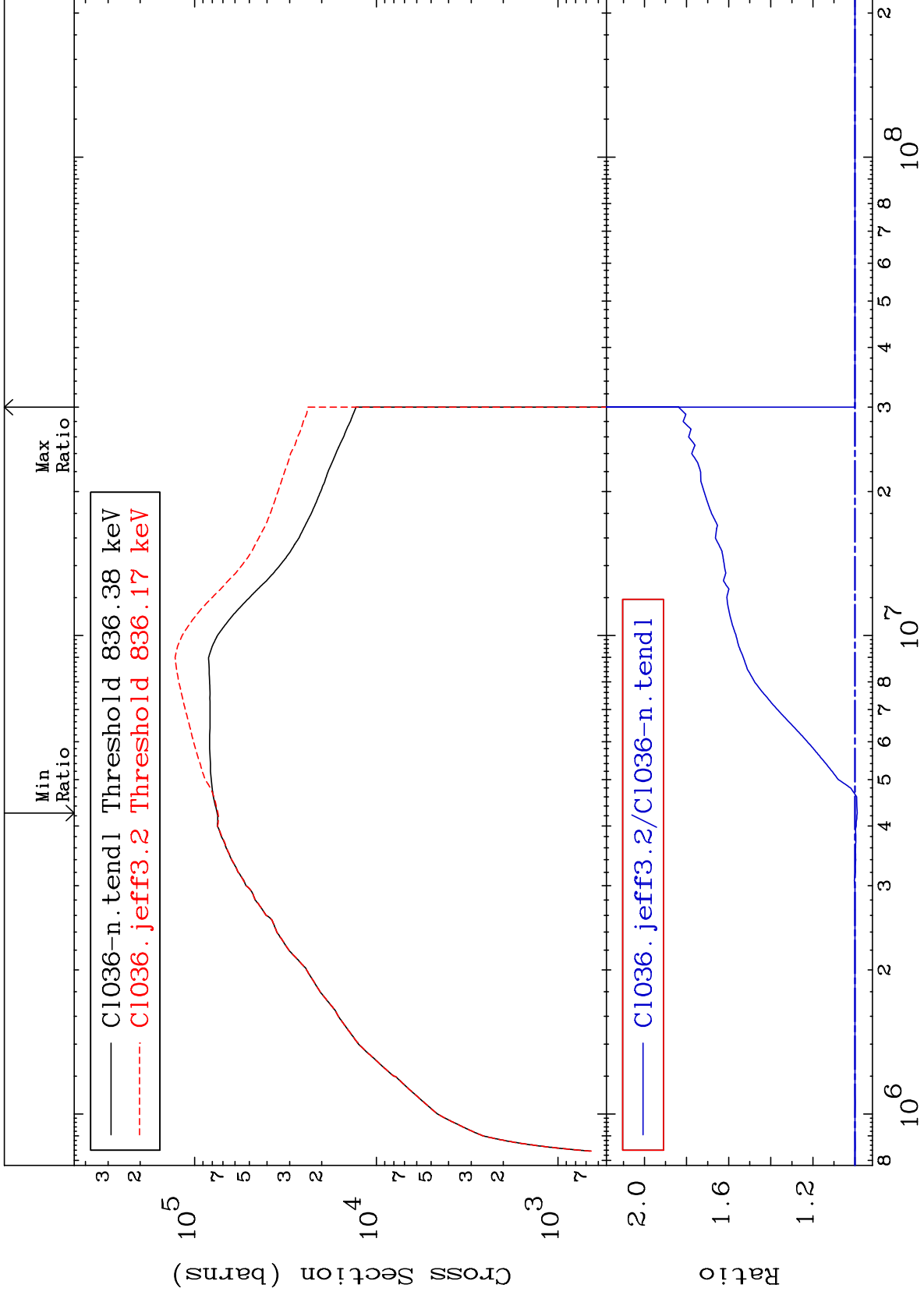




MAT 1728

Dpa inelastic (mt51-91)
Cross Section

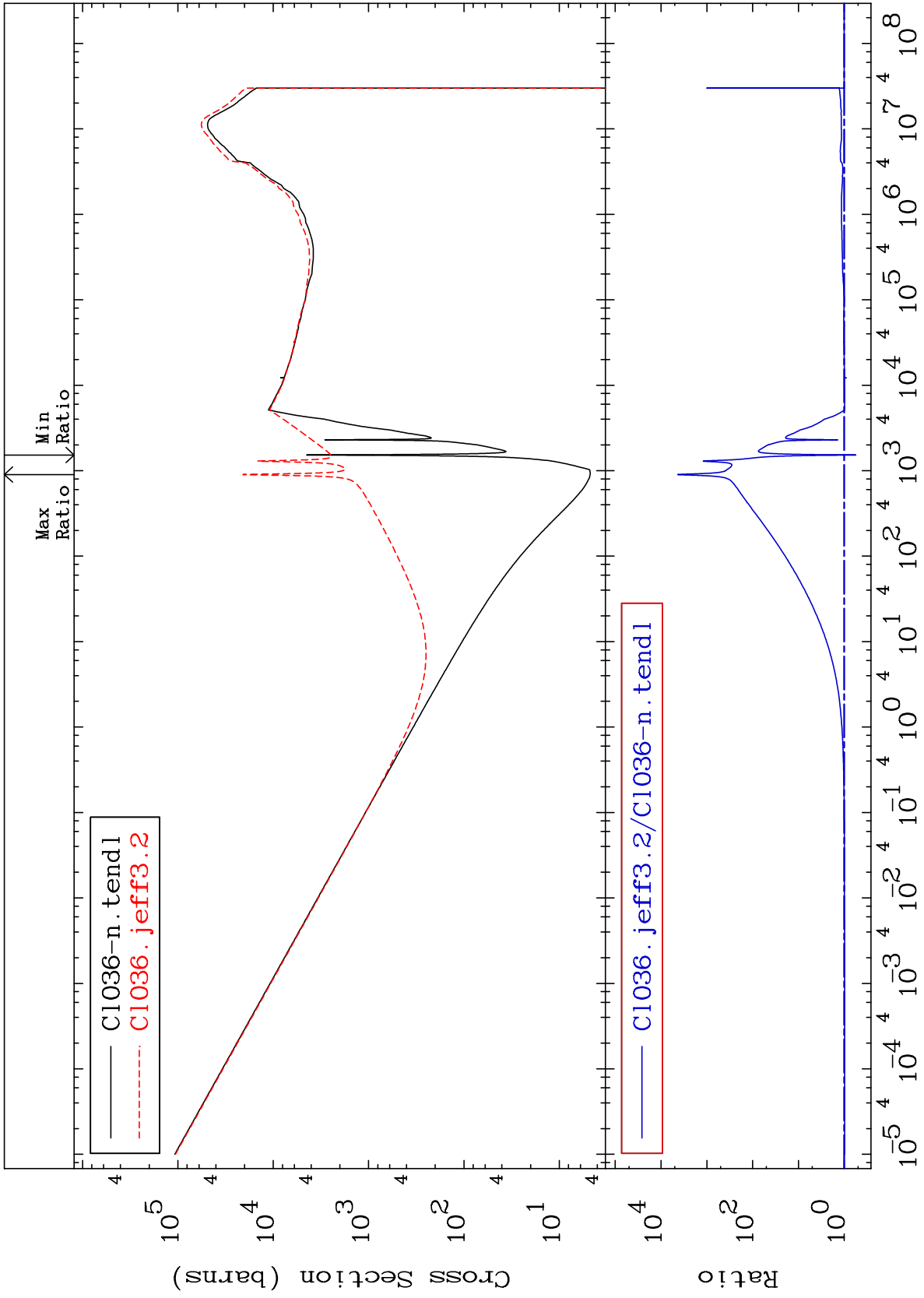
17-Cl-36
-1.051 To 83.77 %

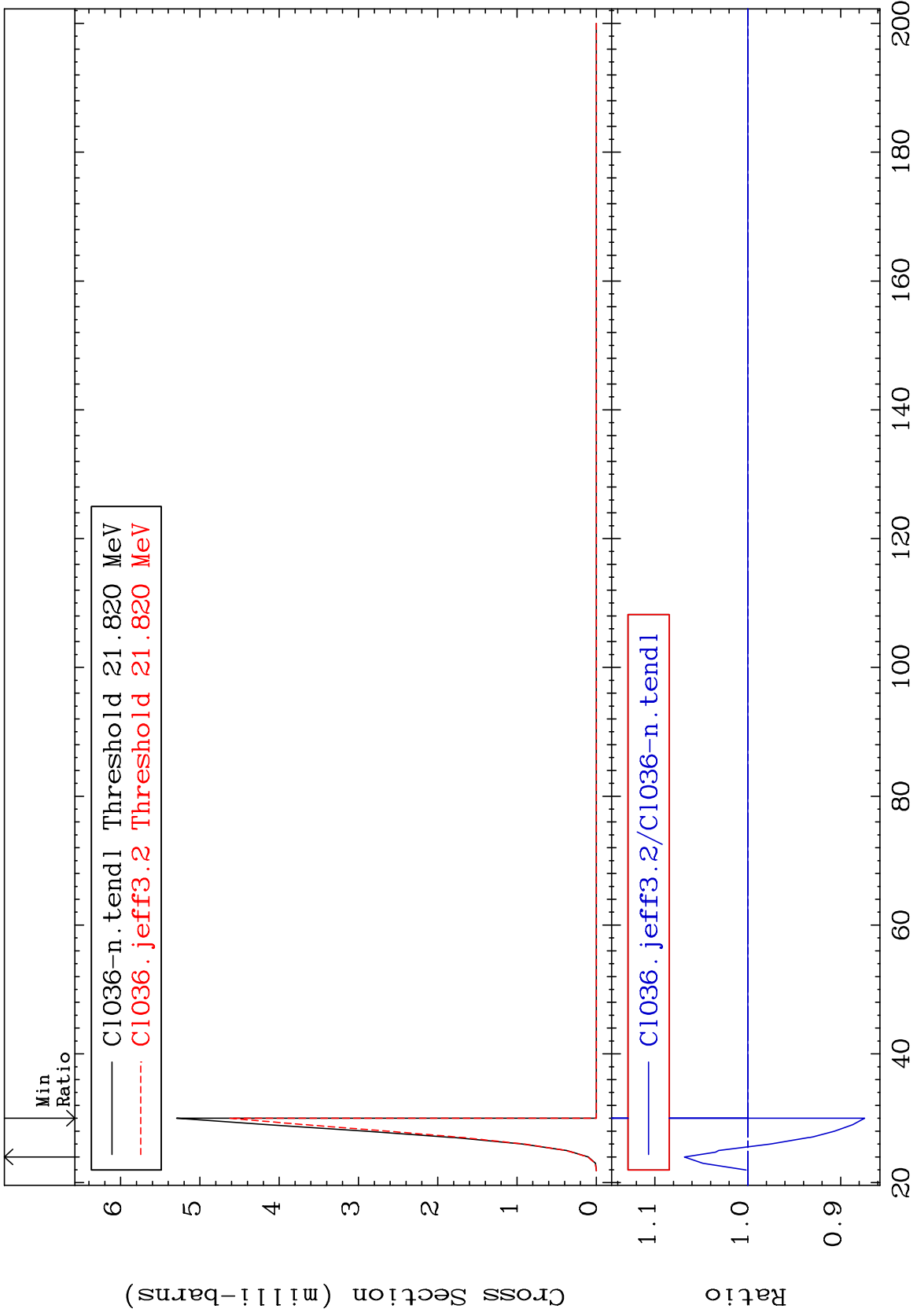


74

17-Cl-36

17-Cl-36





MAT 1728

(n,3n):17-Cl-34m1

17-Cl-36

Radionuclide Production Cross Section 0.000 To 20.28 %

