

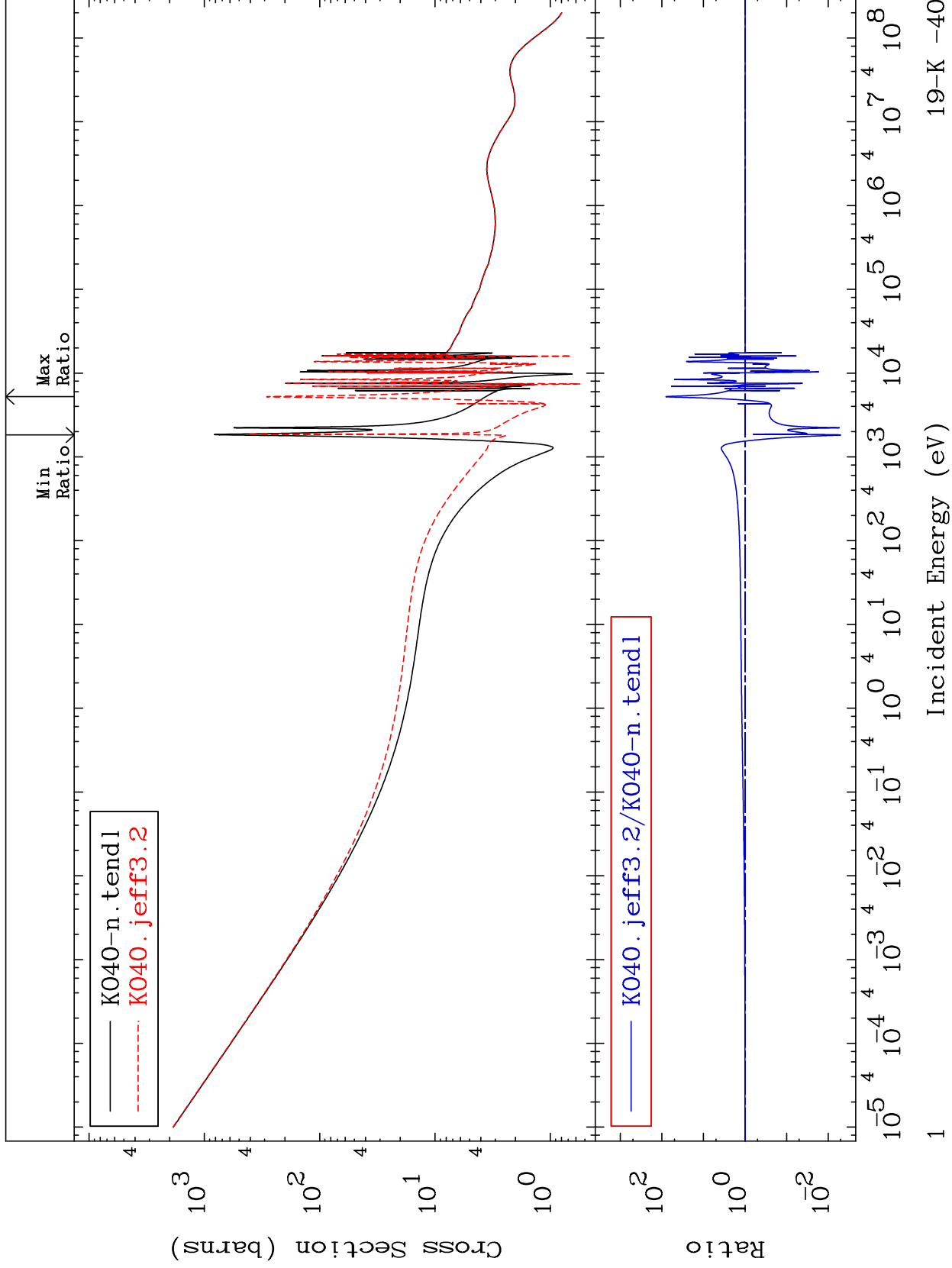
MAT 1928

Total

Cross Section

19-K -40

-99.50 To 7884. %



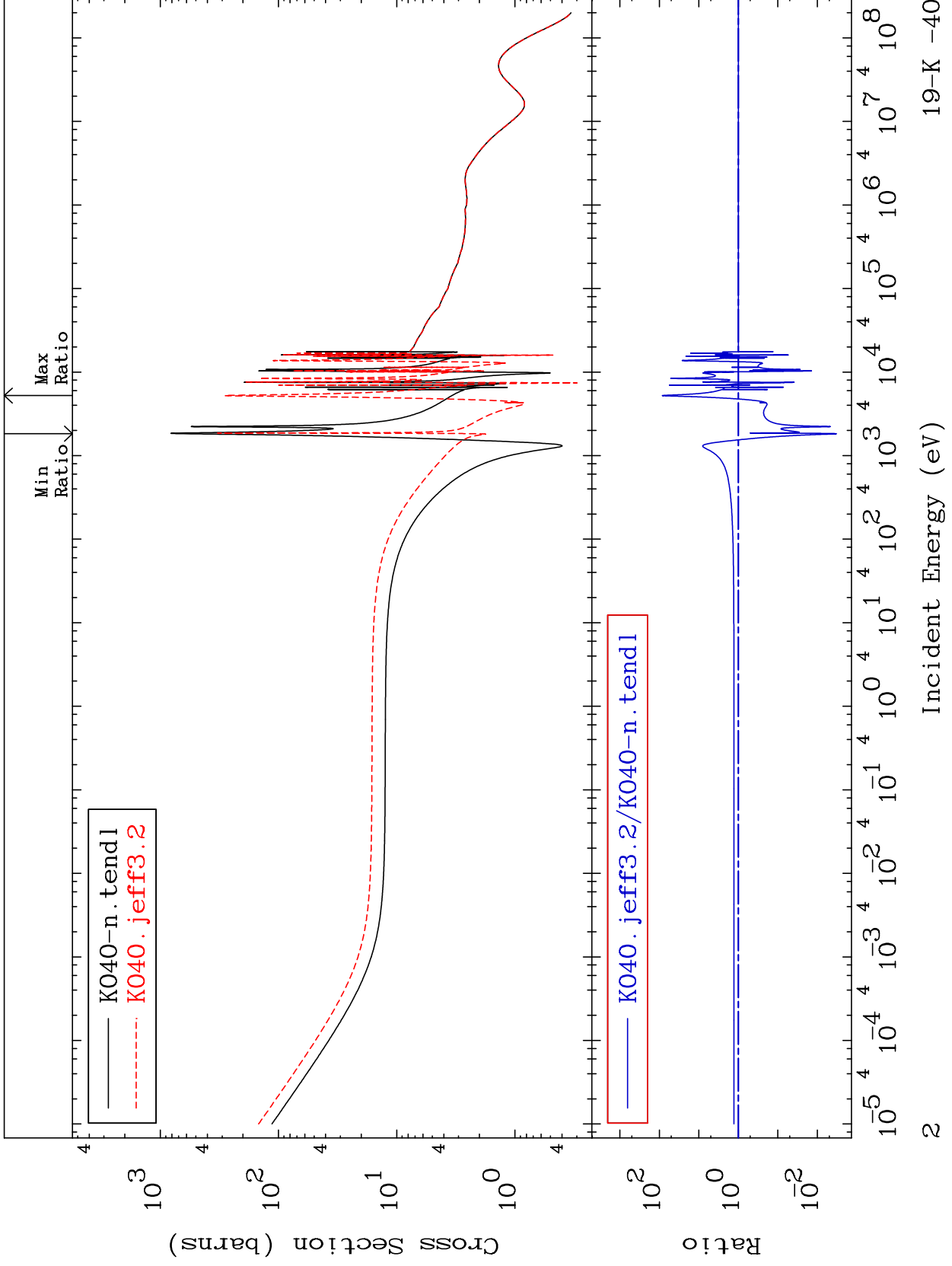
Incident Energy (eV)

19-K -40

MAT 1928

Elastic
Cross Section

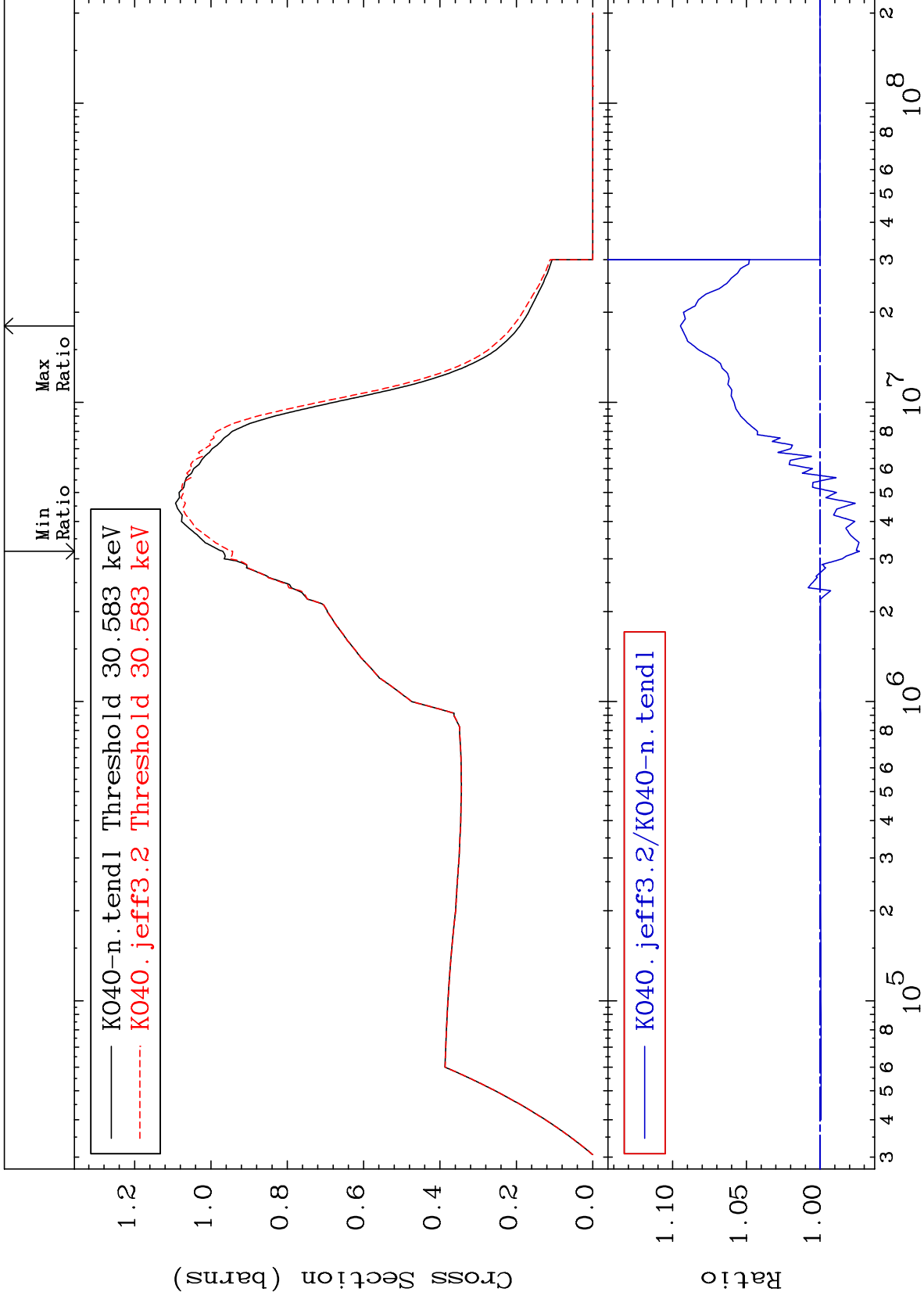
19-K -40
-99.67 To 8318. %



MAT 1928

Inelastic
Cross Section

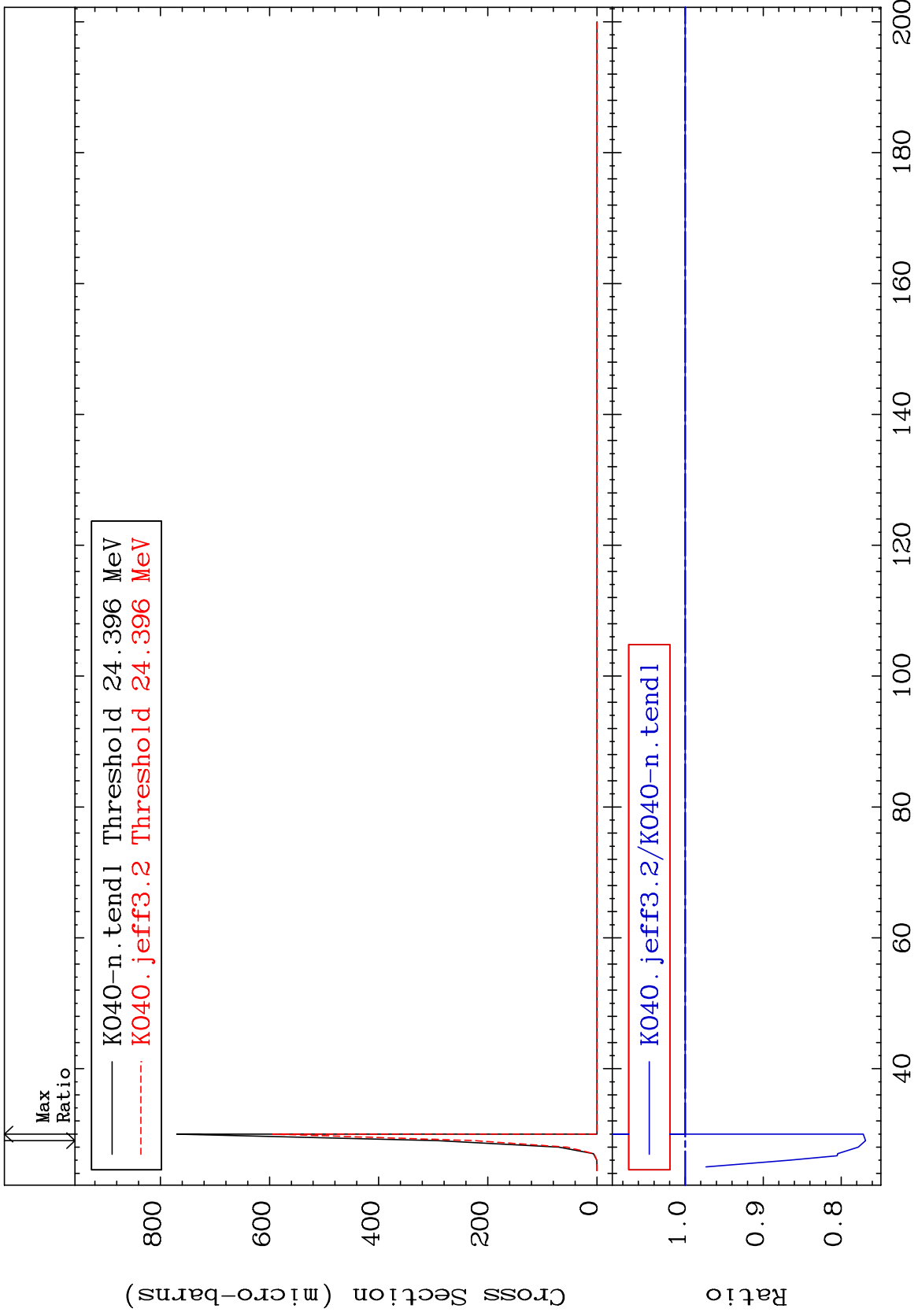
19-K -40
-2.669 To 9.478 %



MAT 1928

(n,2n) d
Cross Section

19-K -40
-23.13 To 0.000 %



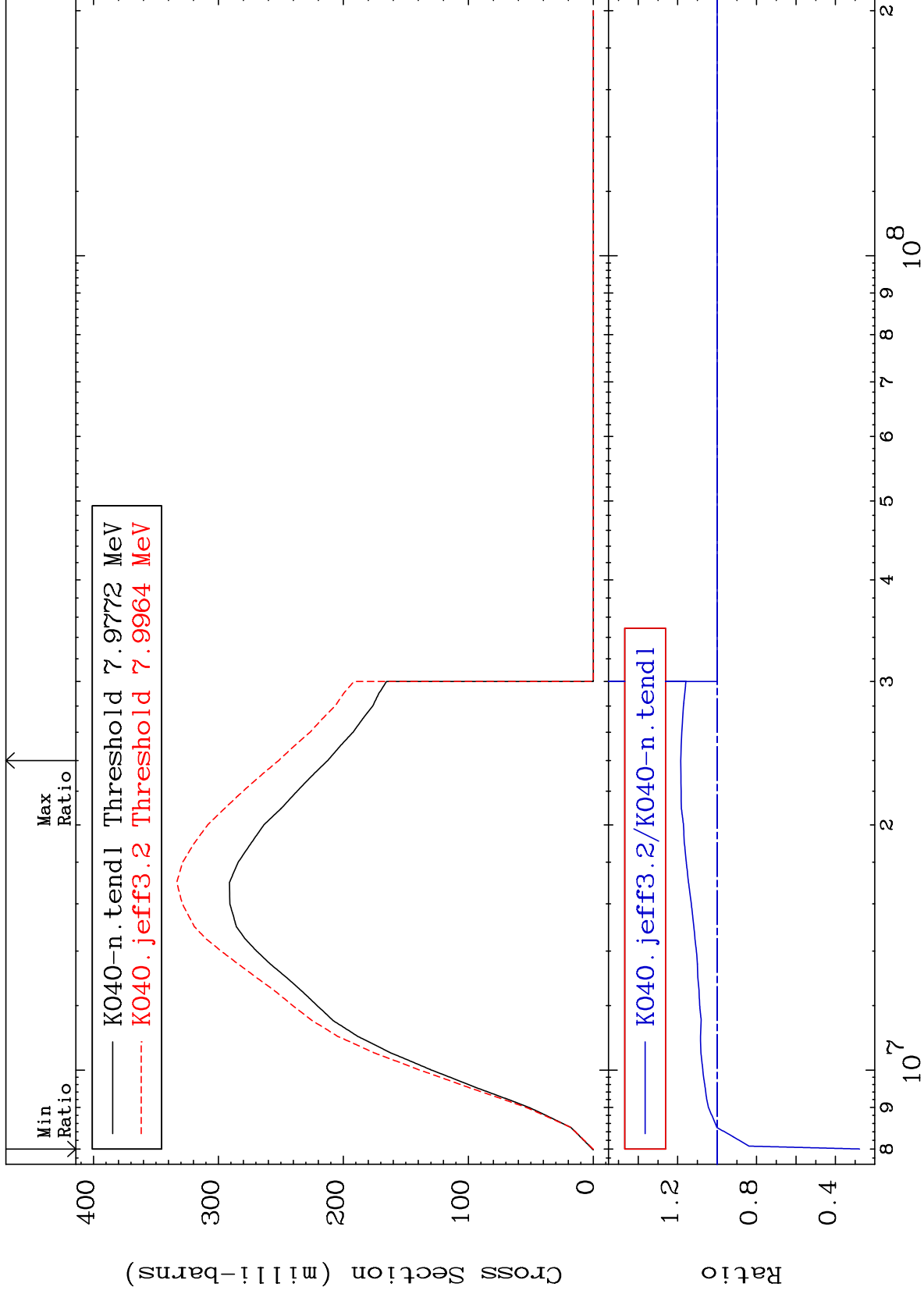
MAT 1928

(n,2n)

19-K -40

Cross Section

-72.20 To 18.43 %



5

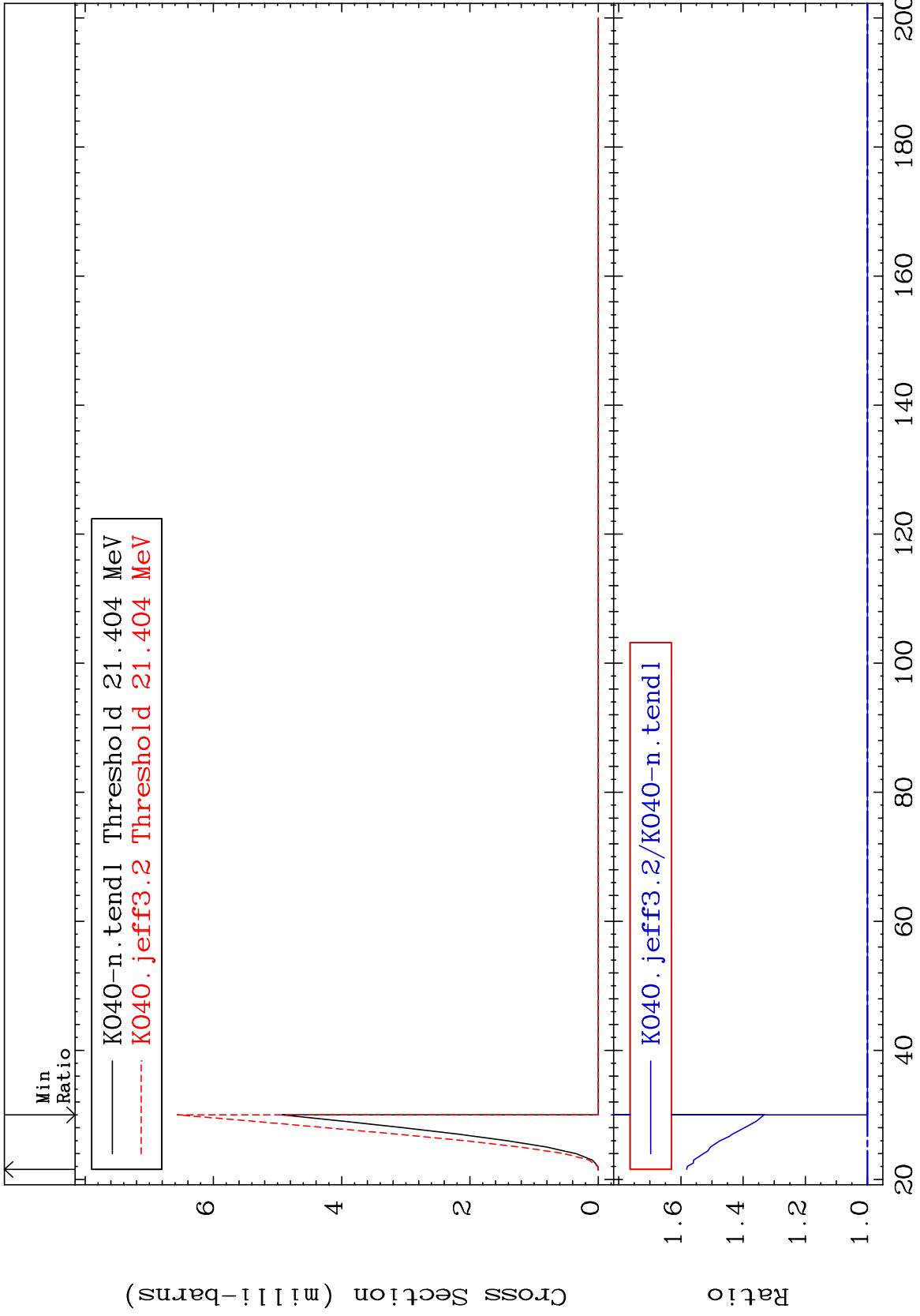
Incident Energy (eV)

19-K -40

MAT 1928

(n,3n)
Cross Section

19-K -40
0.000 To 58.13 %



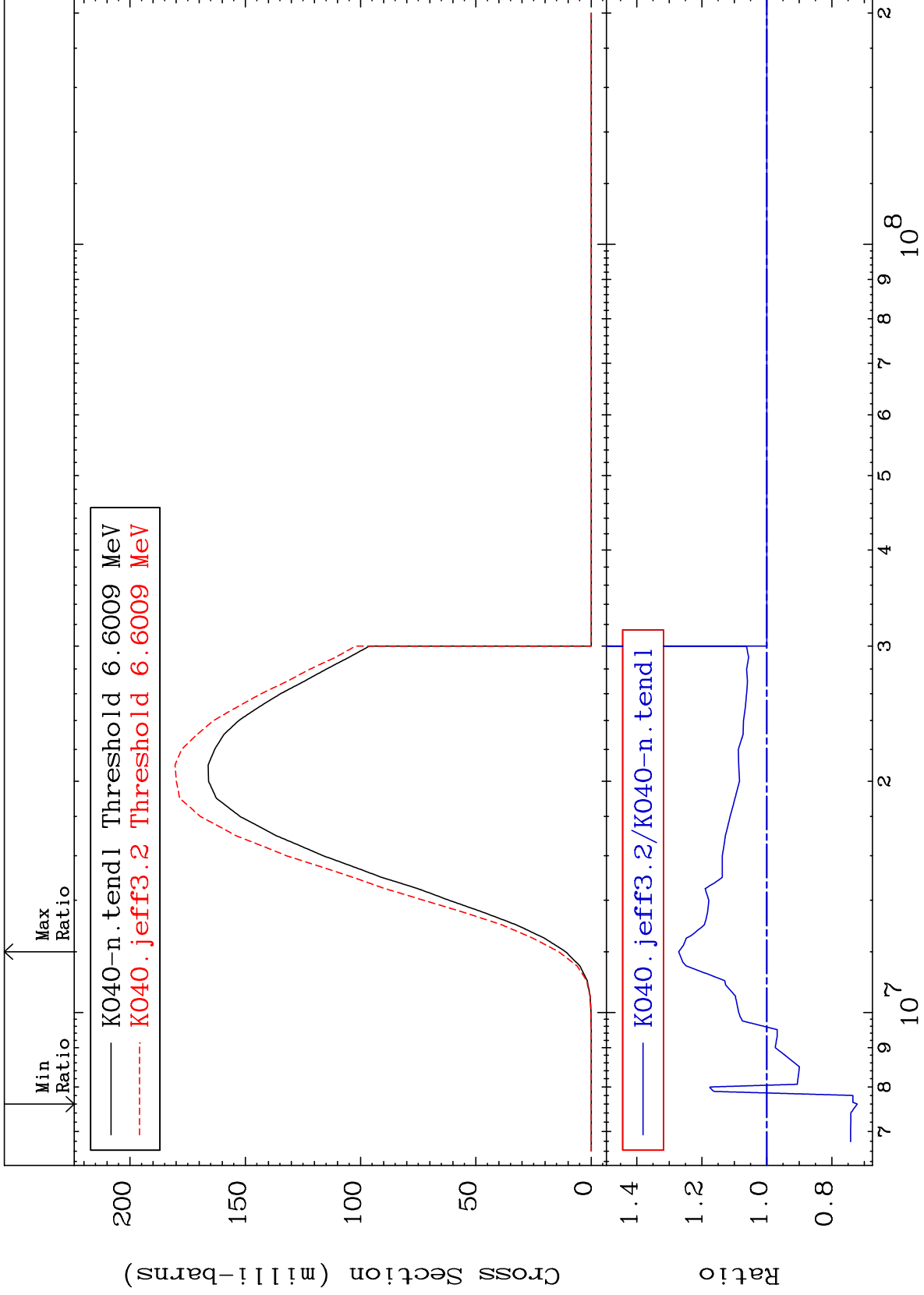
19-K -40

6

MAT 1928

(n, n') α
Cross Section

19-K -40
-27.83 To 27.12 %



7

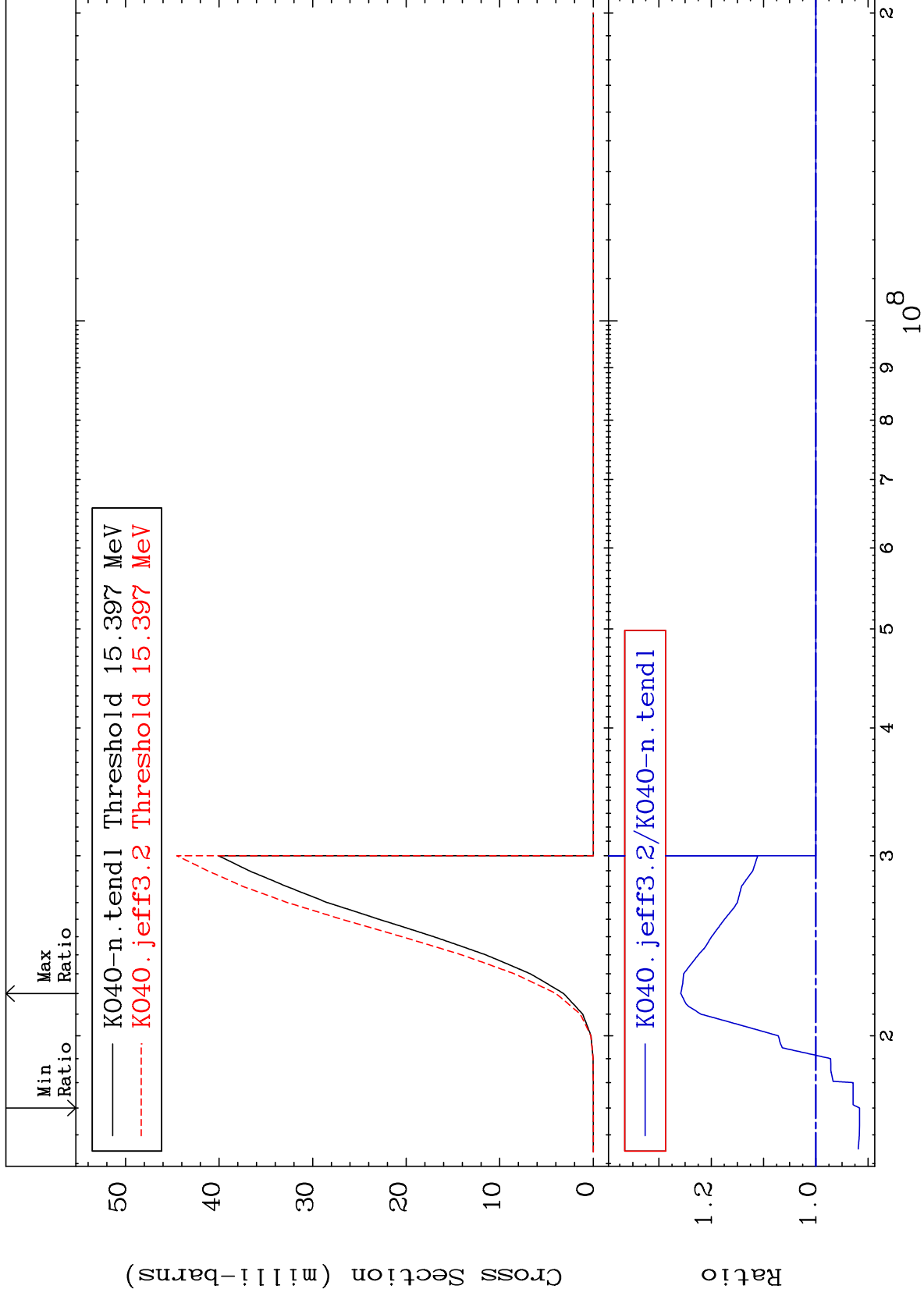
Incident Energy (eV)

19-K -40

MAT 1928

(n,2n) α
Cross Section

19-K -40
-8.358 To 25.82 %



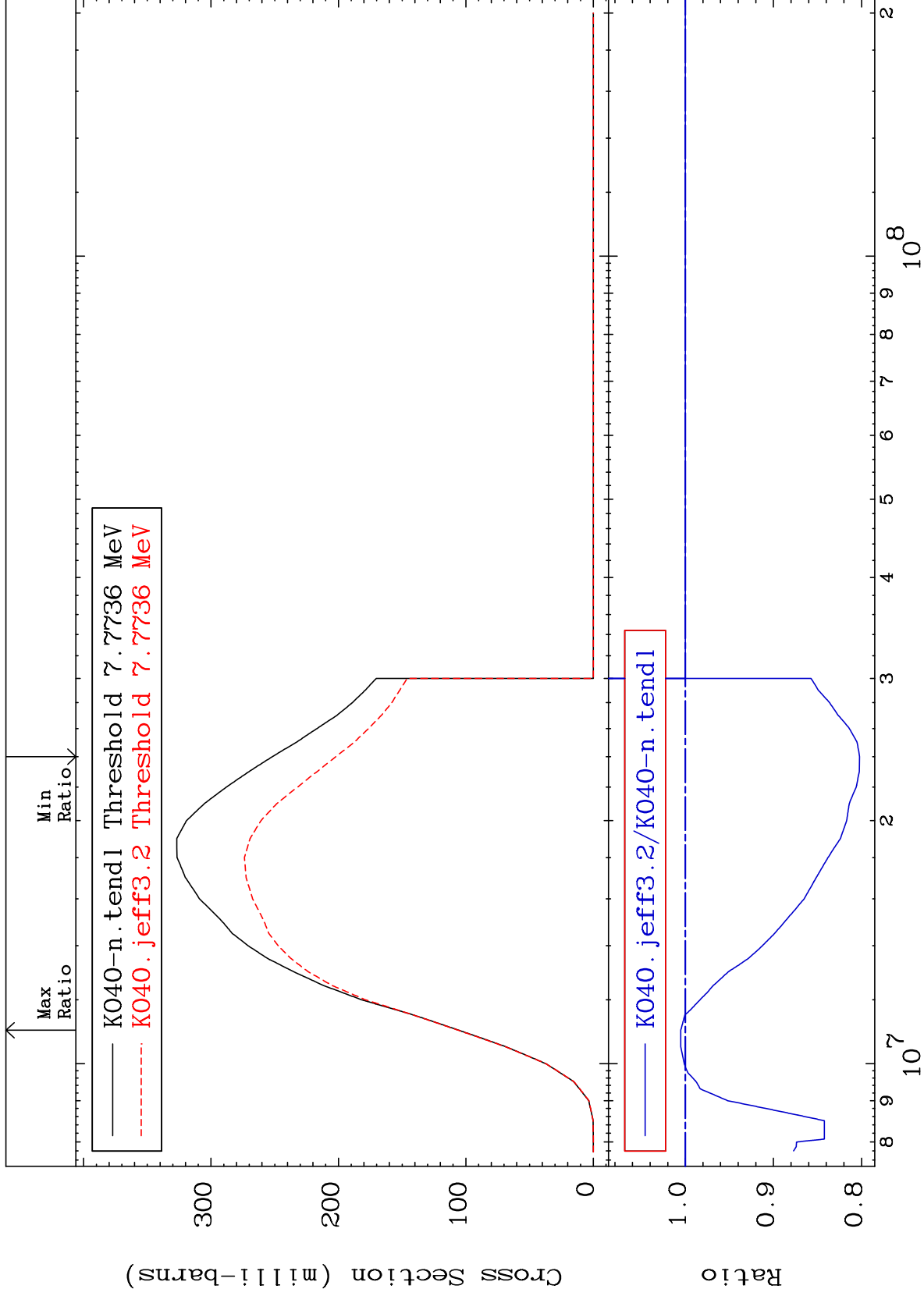
8

19-K -40

MAT 1928

(n,n') p
Cross Section

19-K -40
-19.78 To 0.519 %



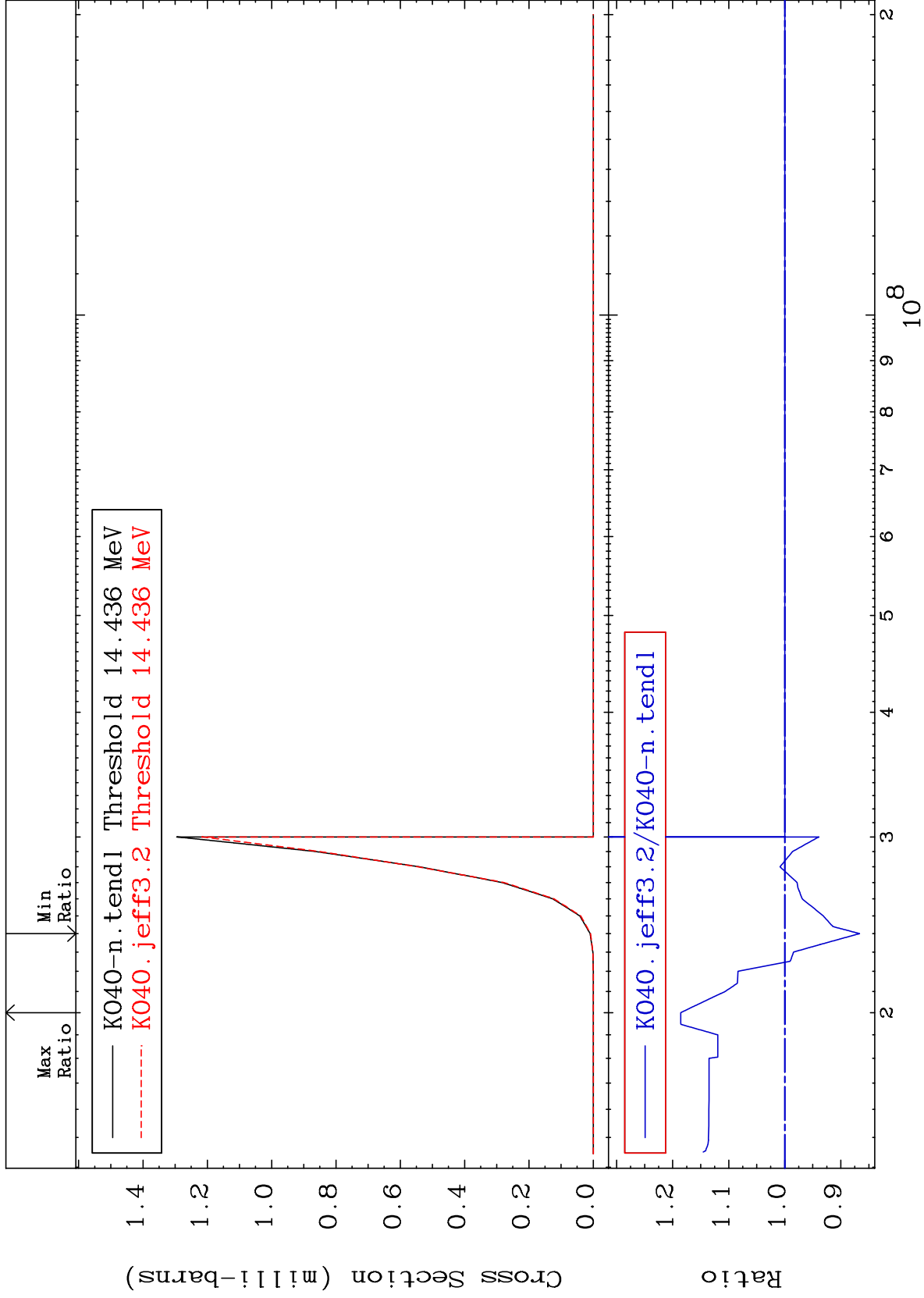
9

19-K -40

MAT 1928

(n,n') 2 α
Cross Section

19-K -40
-13.34 To 18.55 %



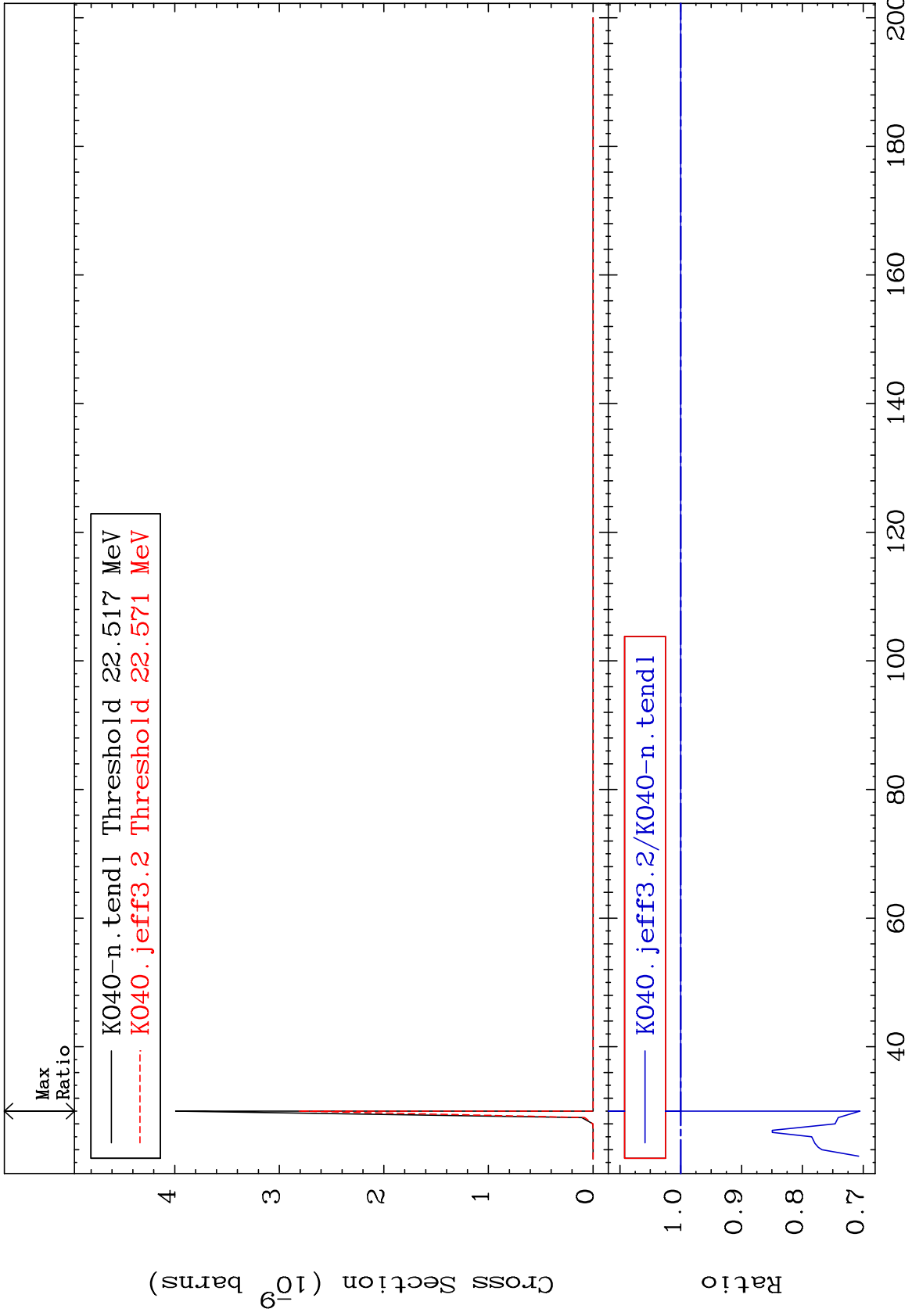
10

19-K -40

MAT 1928

(n,2n) 2α
Cross Section

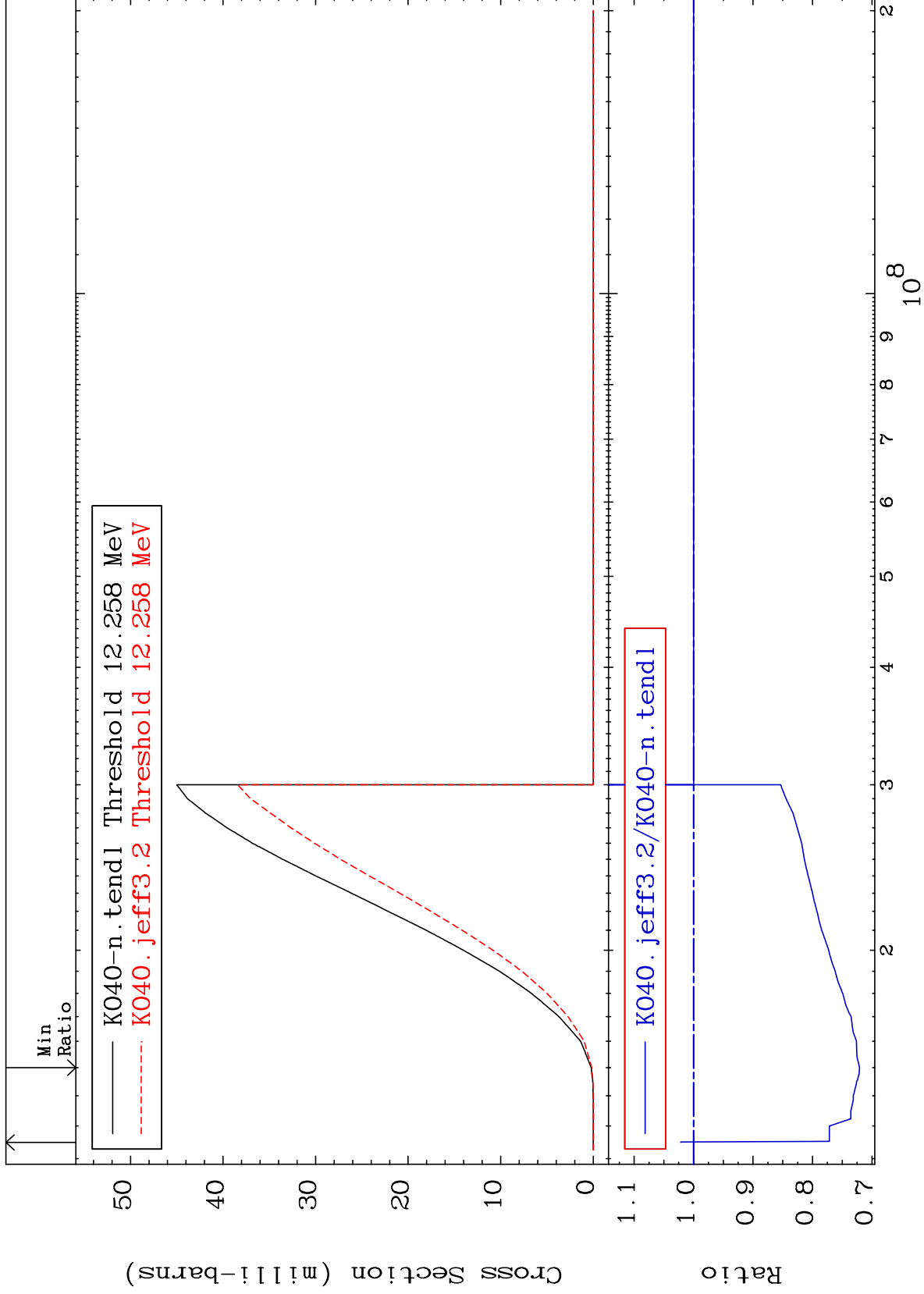
19-K -40
-29.47 To 0.000 %



MAT 1928

(n,n') d
Cross Section

19-K -40
-27.92 To 2.153 %



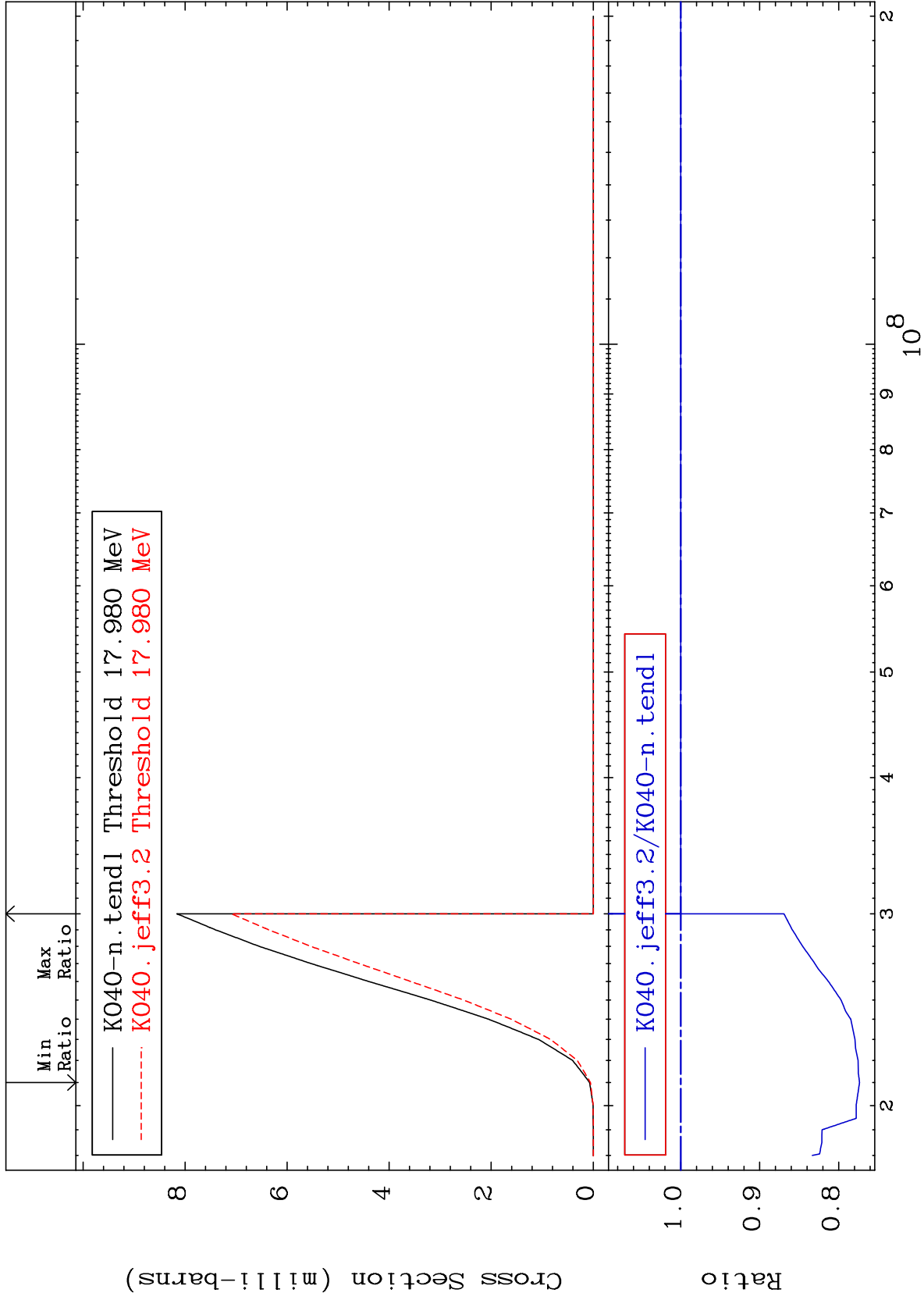
MAT 1928

(n,n') t

19-K -40

Cross Section

-22.65 To 0.000 %



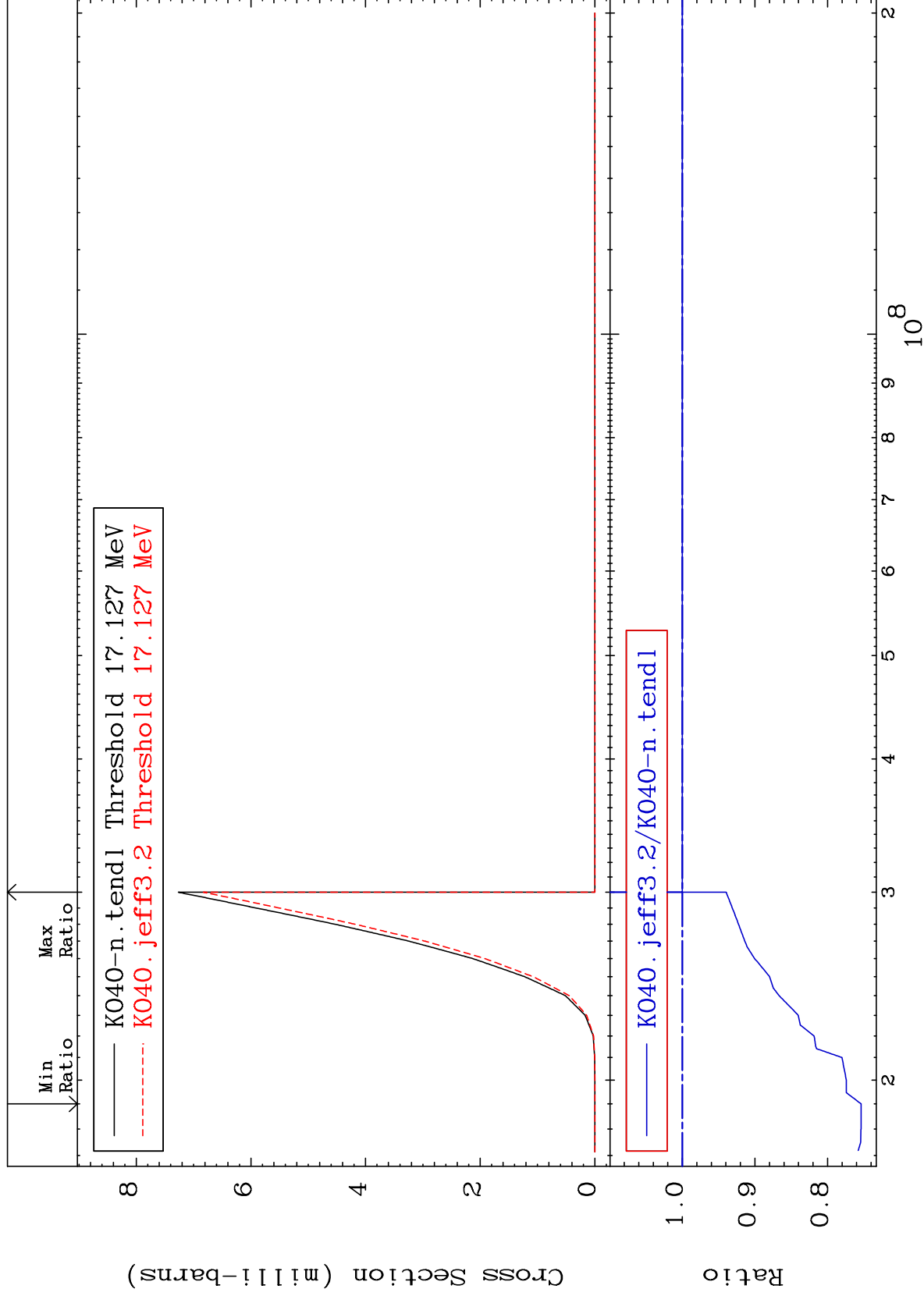
13

19-K -40

MAT 1928

(n,n') He-3
Cross Section

19-K -40
-24.62 To 0.000 %



14

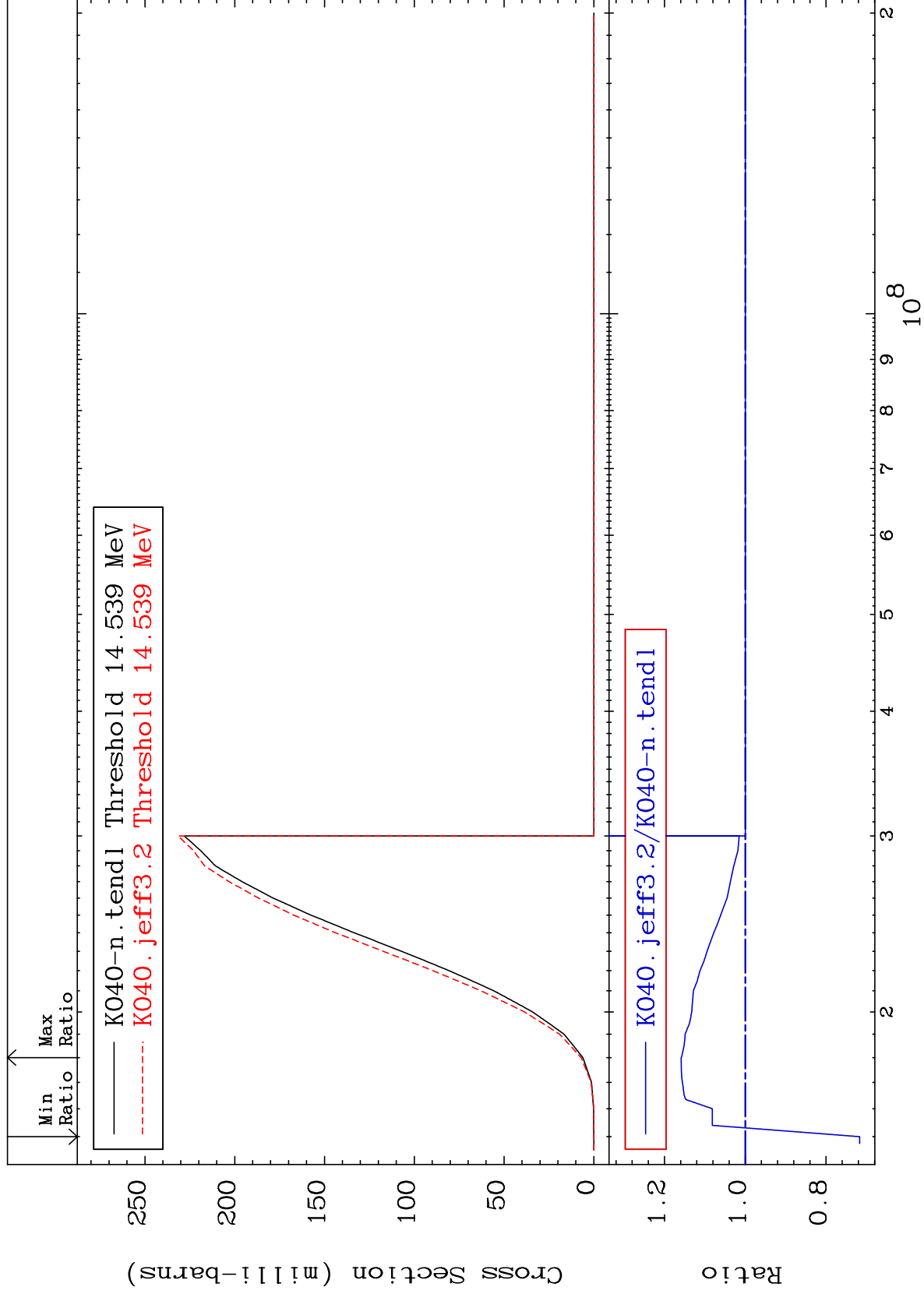
Incident Energy (eV)

19-K -40

MAT 1928

(n,2n) p
Cross Section

19-K -40
-28.32 To 15.86 %



15

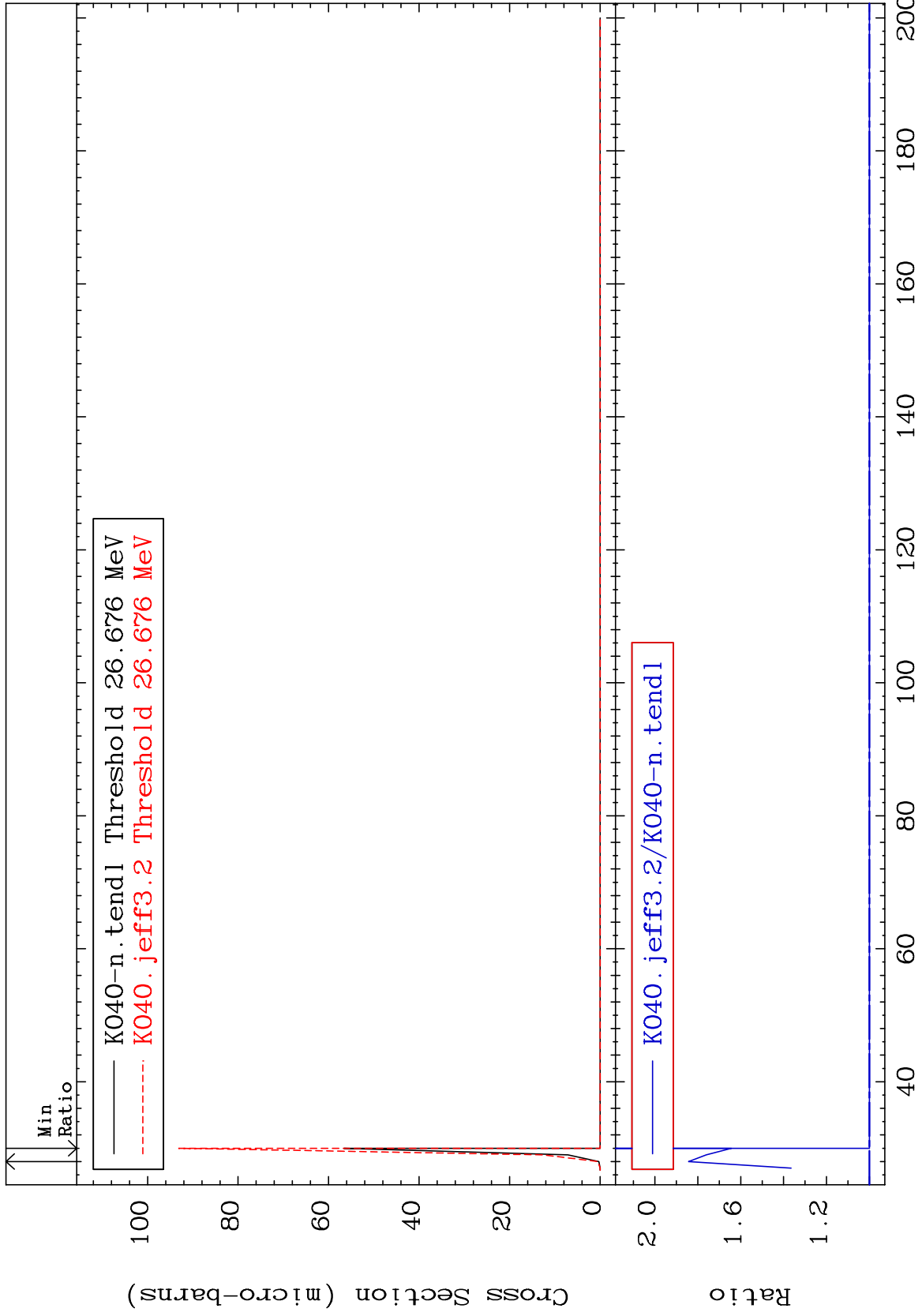
Incident Energy (eV)

19-K -40

MAT 1928

(n,3n) p
Cross Section

19-K -40
0.000 To 84.28 %



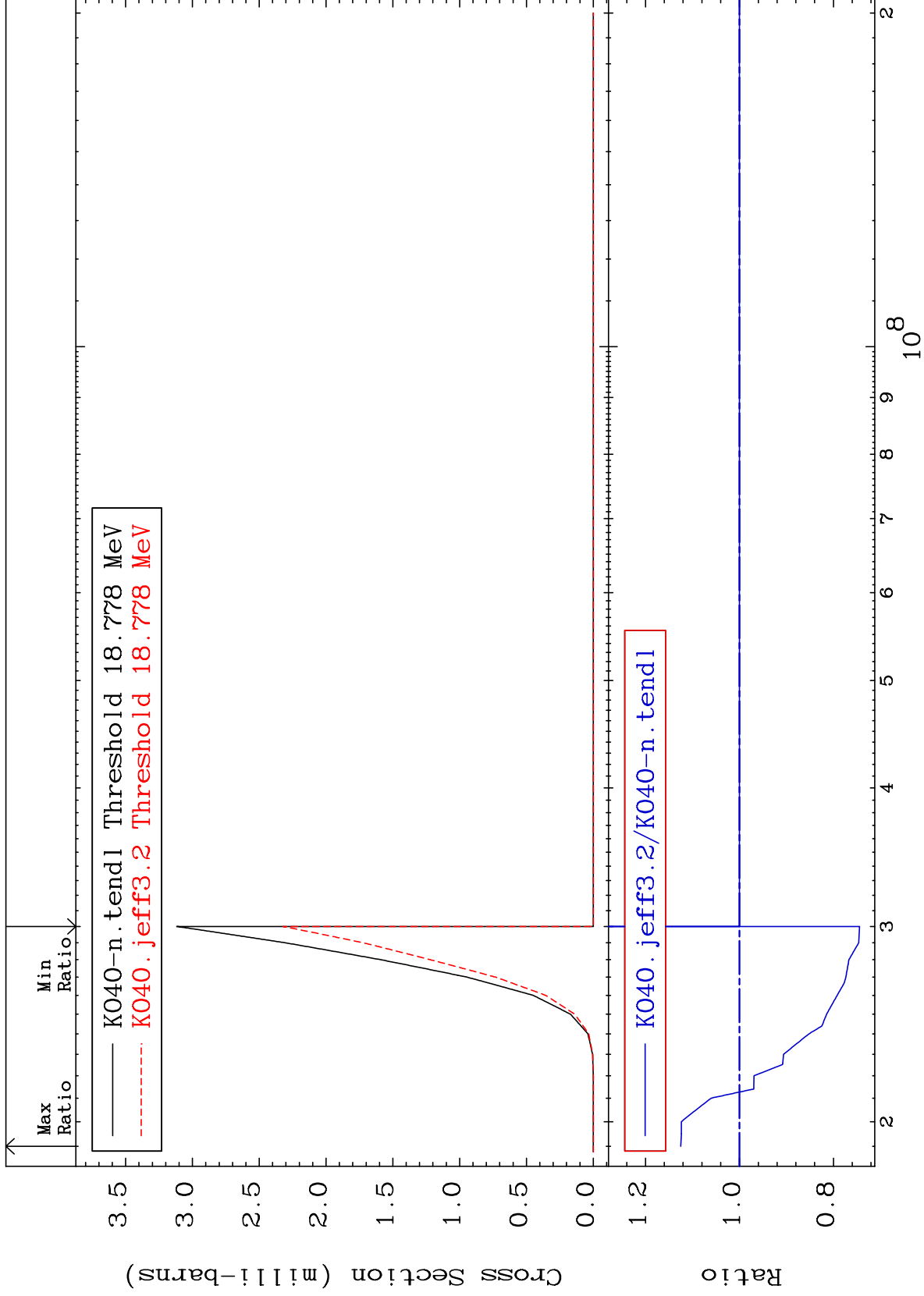
16

19-K -40

MAT 1928

(n,2n) p
Cross Section

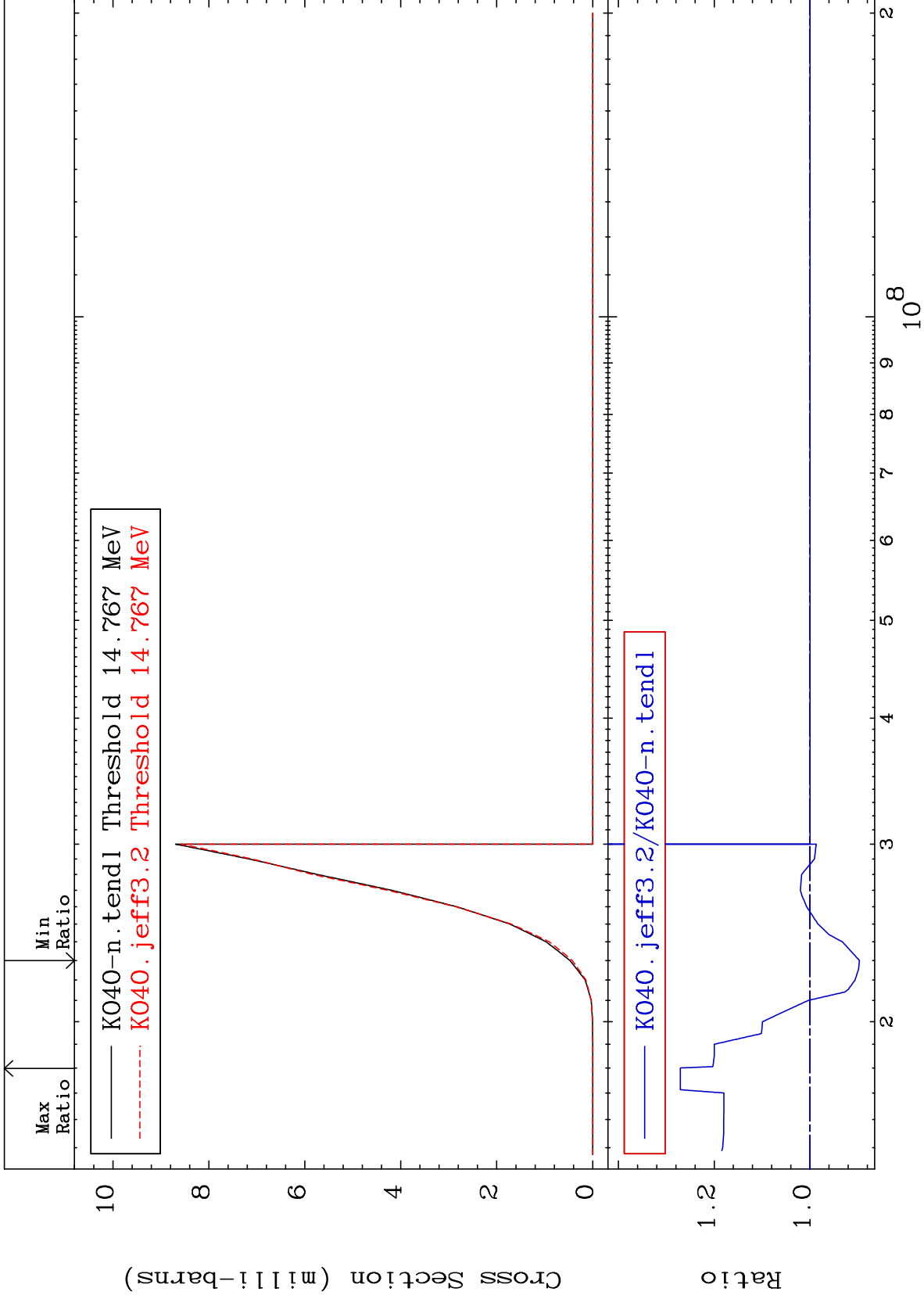
19-K -40
-25.55 To 12.50 %



17

Incident Energy (eV)

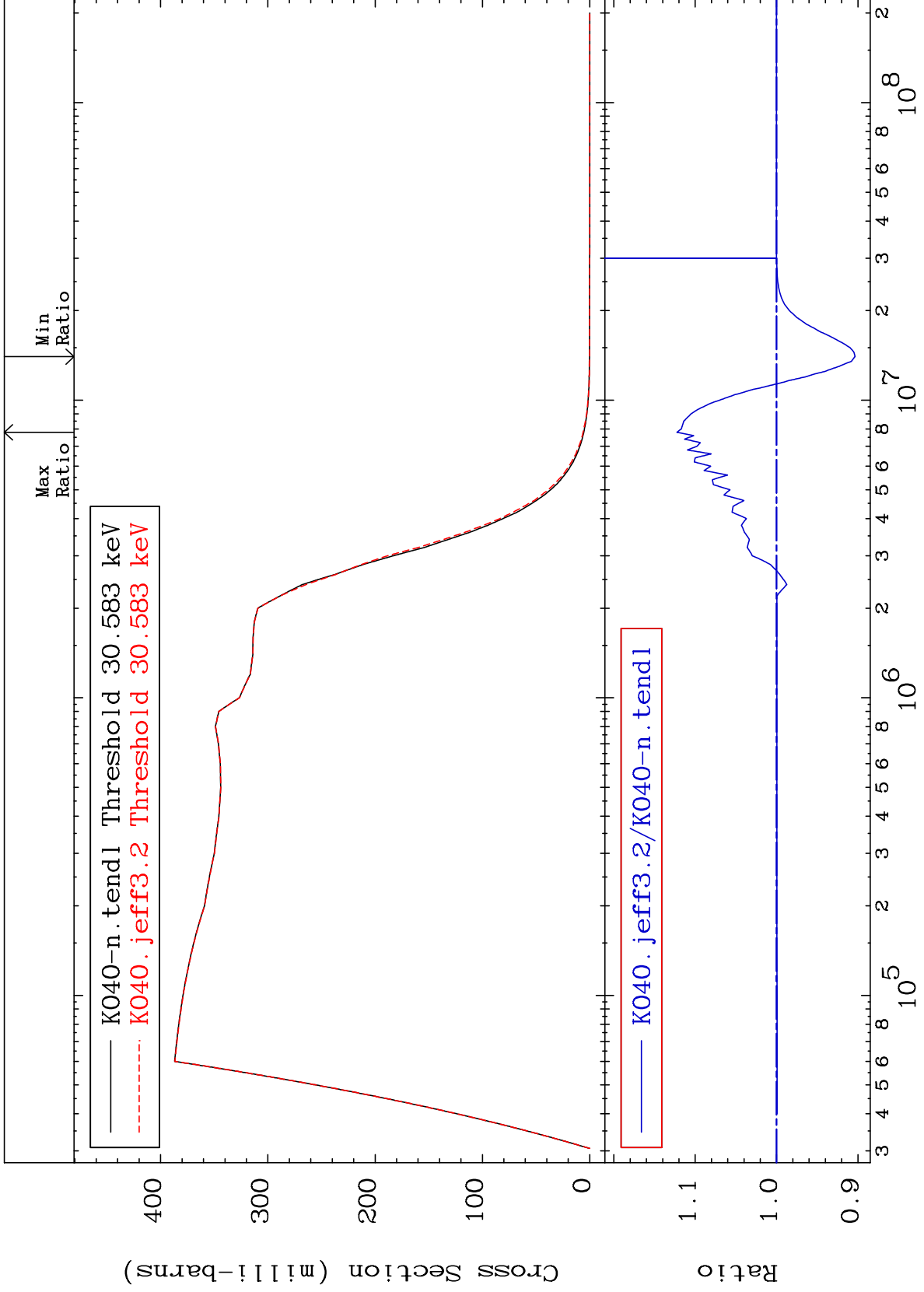
19-K -40



MAT 1928

29.83 keV (n,n') Level
Cross Section

19-K -40
-9.656 To 12.25 %



19

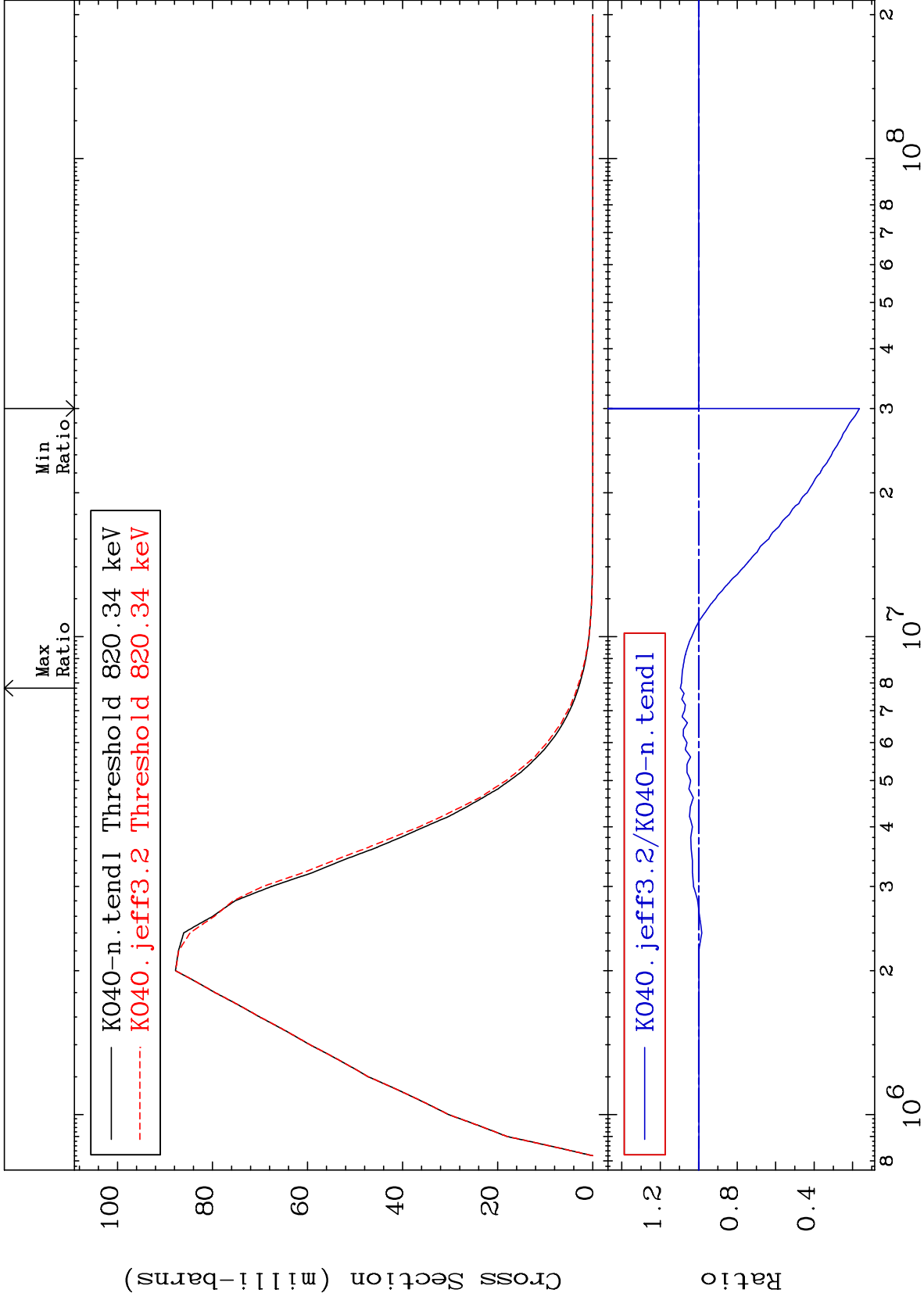
Incident Energy (eV)

19-K -40

MAT 1928

800.1 keV (n,n') Level
Cross Section

19-K -40
-83.57 To 9.543 %



20

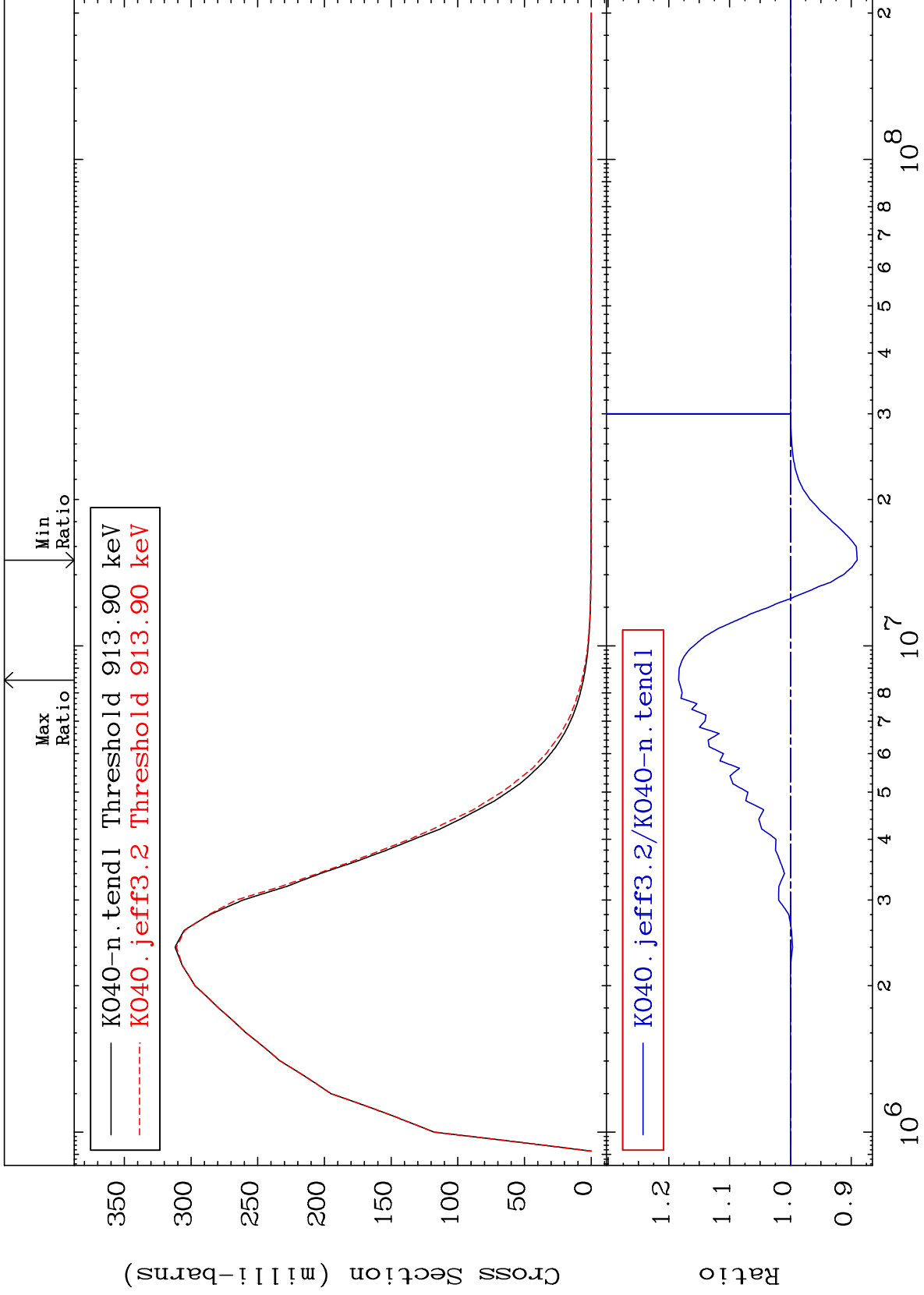
Incident Energy (eV)

19-K -40

MAT 1928

891.4 keV (n,n') Level
Cross Section

19-K -40
-10.99 To 18.39 %



21

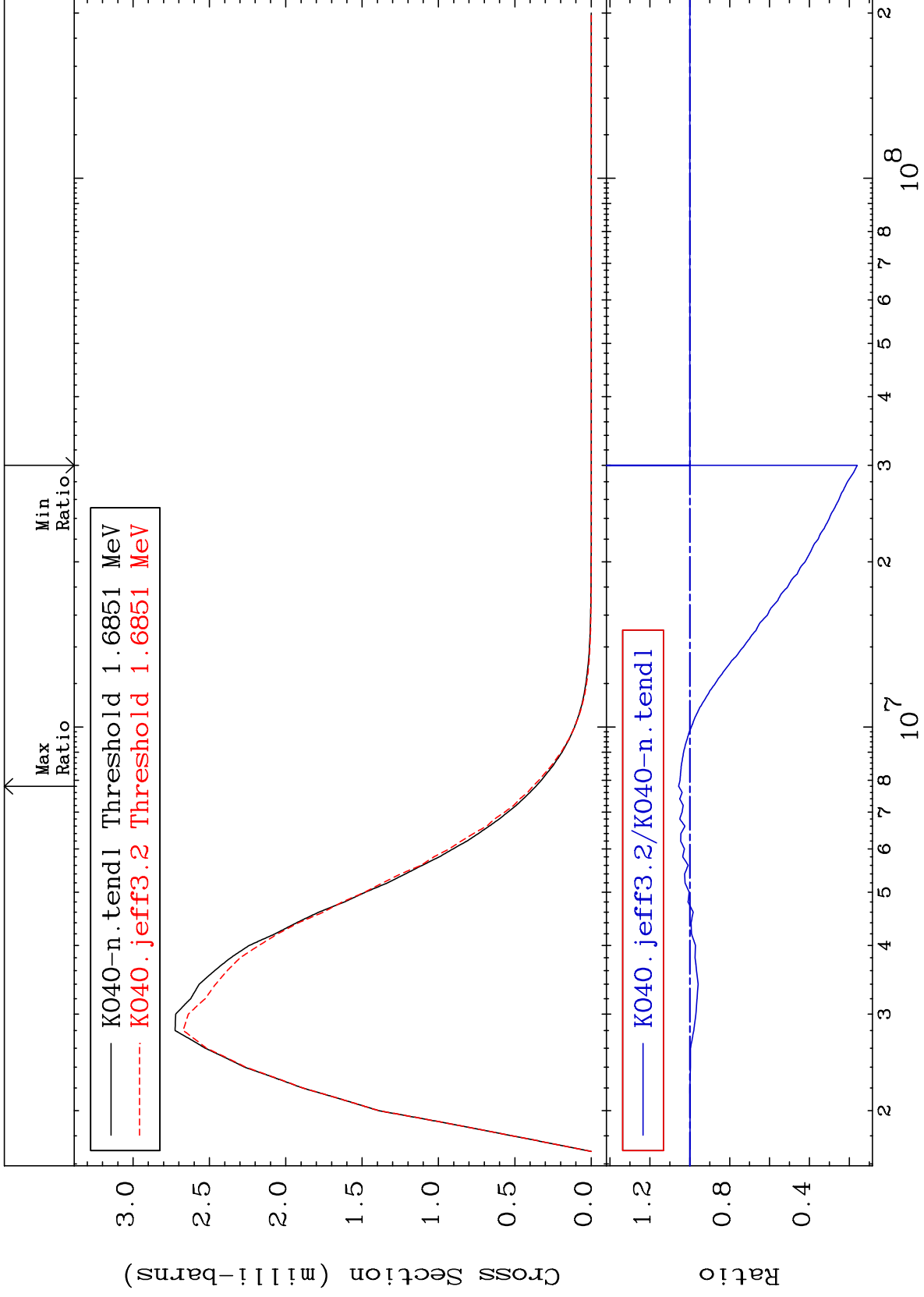
Incident Energy (eV)

19-K -40

MAT 1928

1.644 MeV (n,n') Level
Cross Section

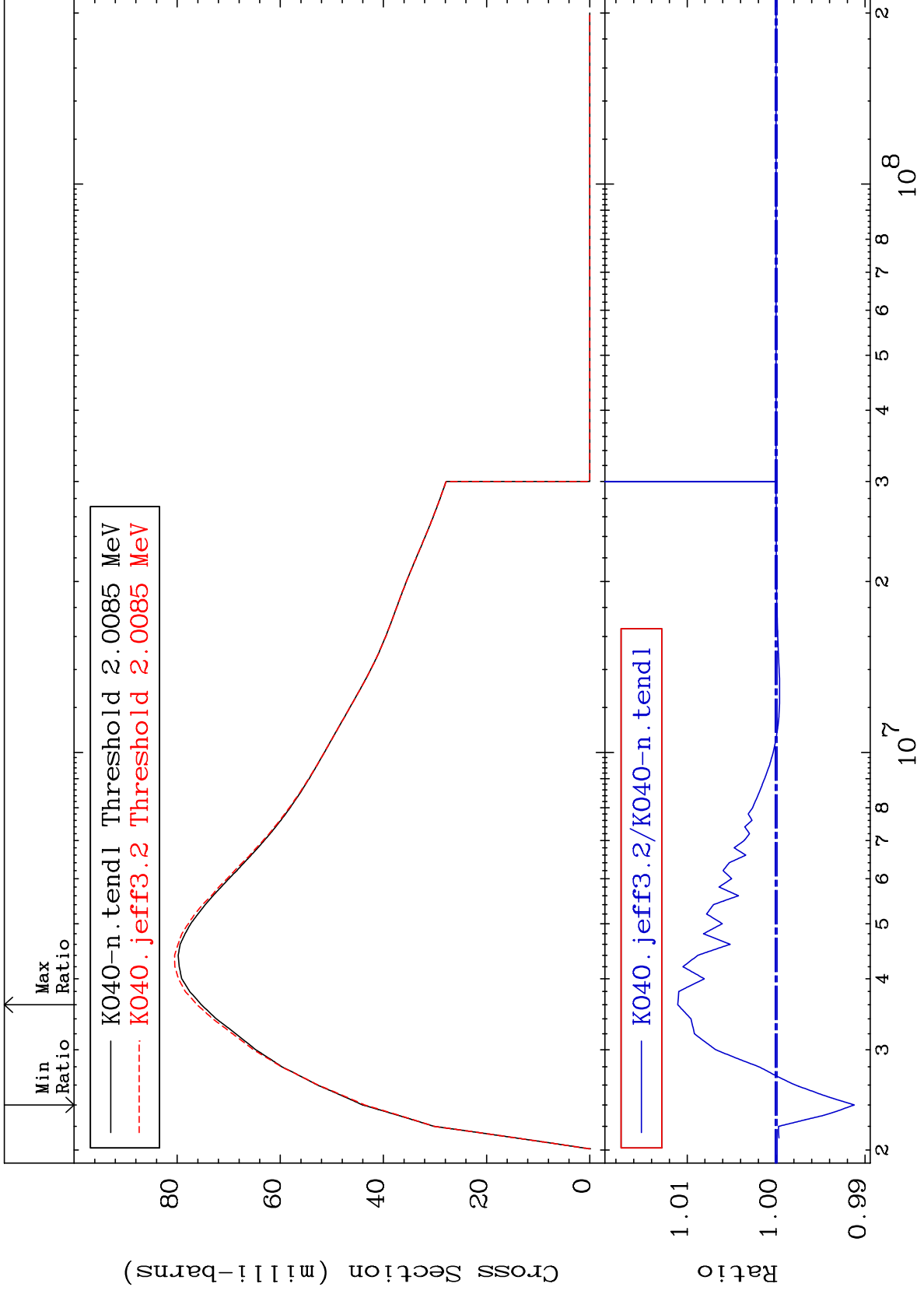
19-K -40
-83.97 To 5.588 %



MAT 1928

1.959 MeV (n,n') Level
Cross Section

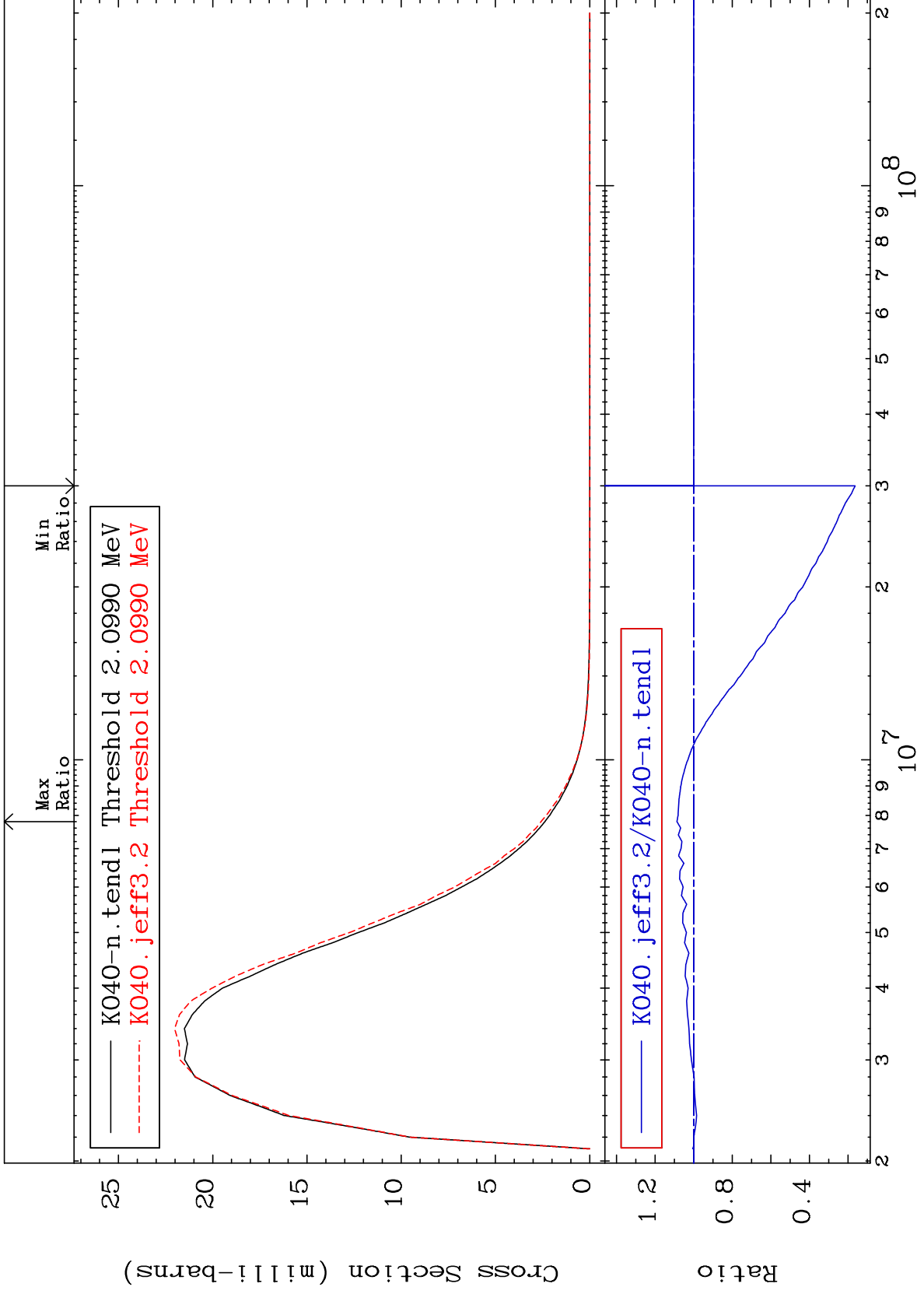
19-K -40
-0.877 To 1.105 %



MAT 1928

2.047 MeV (n,n') Level
Cross Section

19-K -40
-83.62 To 8.656 %

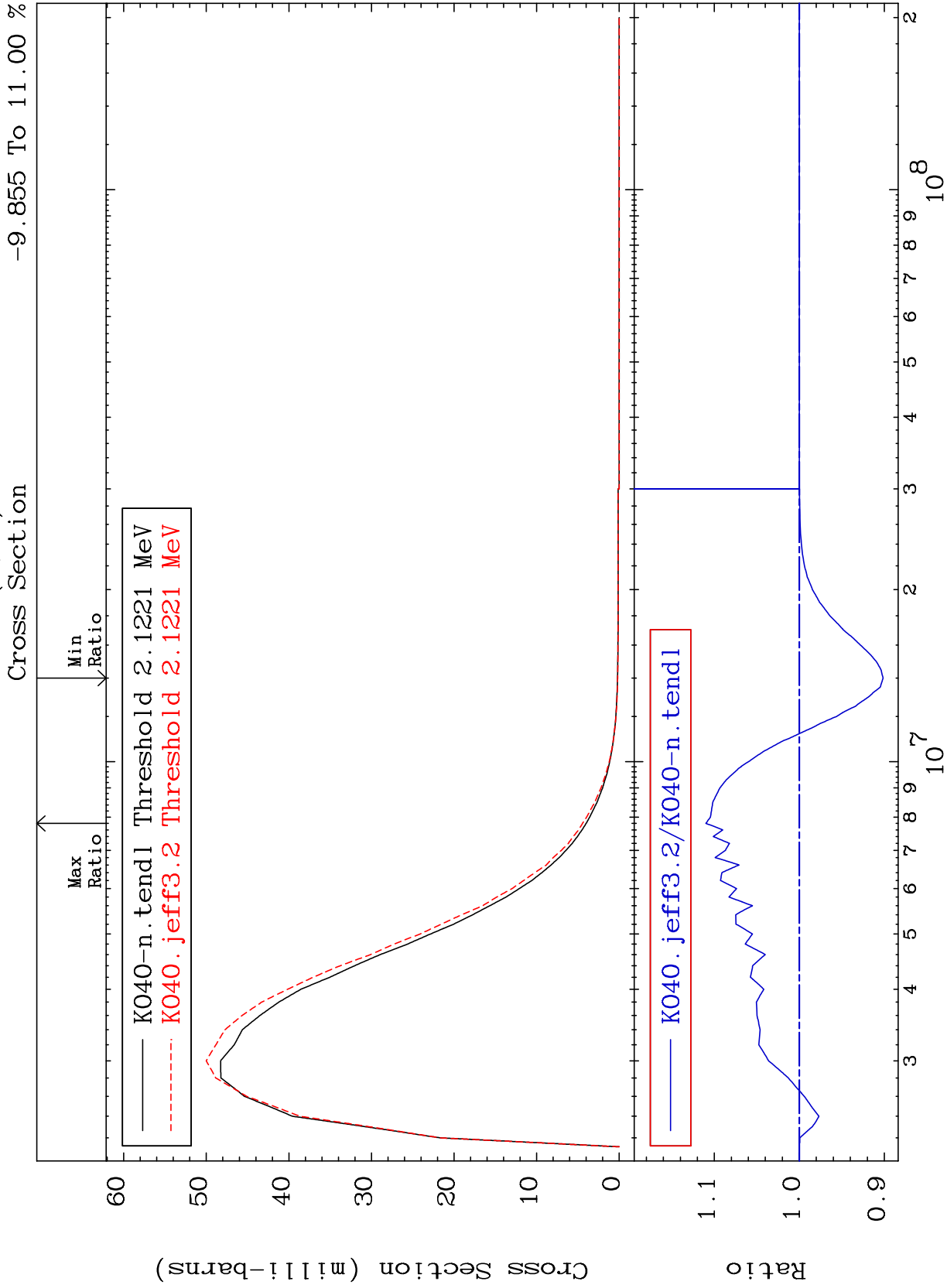


MAT 1928

2.070 MeV (n,n') Level

19-K -40

-9.855 To 11.00 %



25

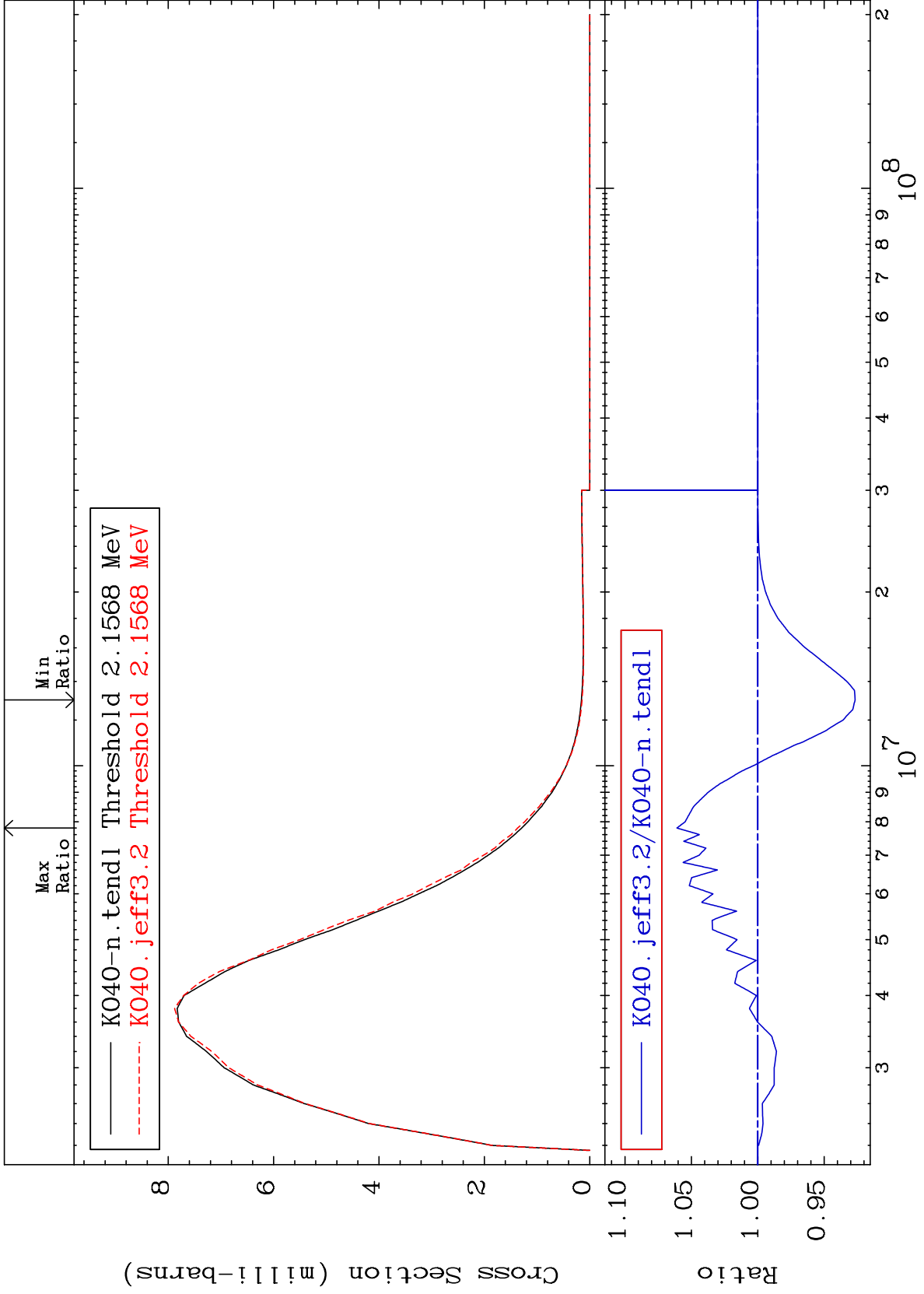
Incident Energy (eV)

19-K -40

MAT 1928

2.104 MeV (n,n') Level
Cross Section

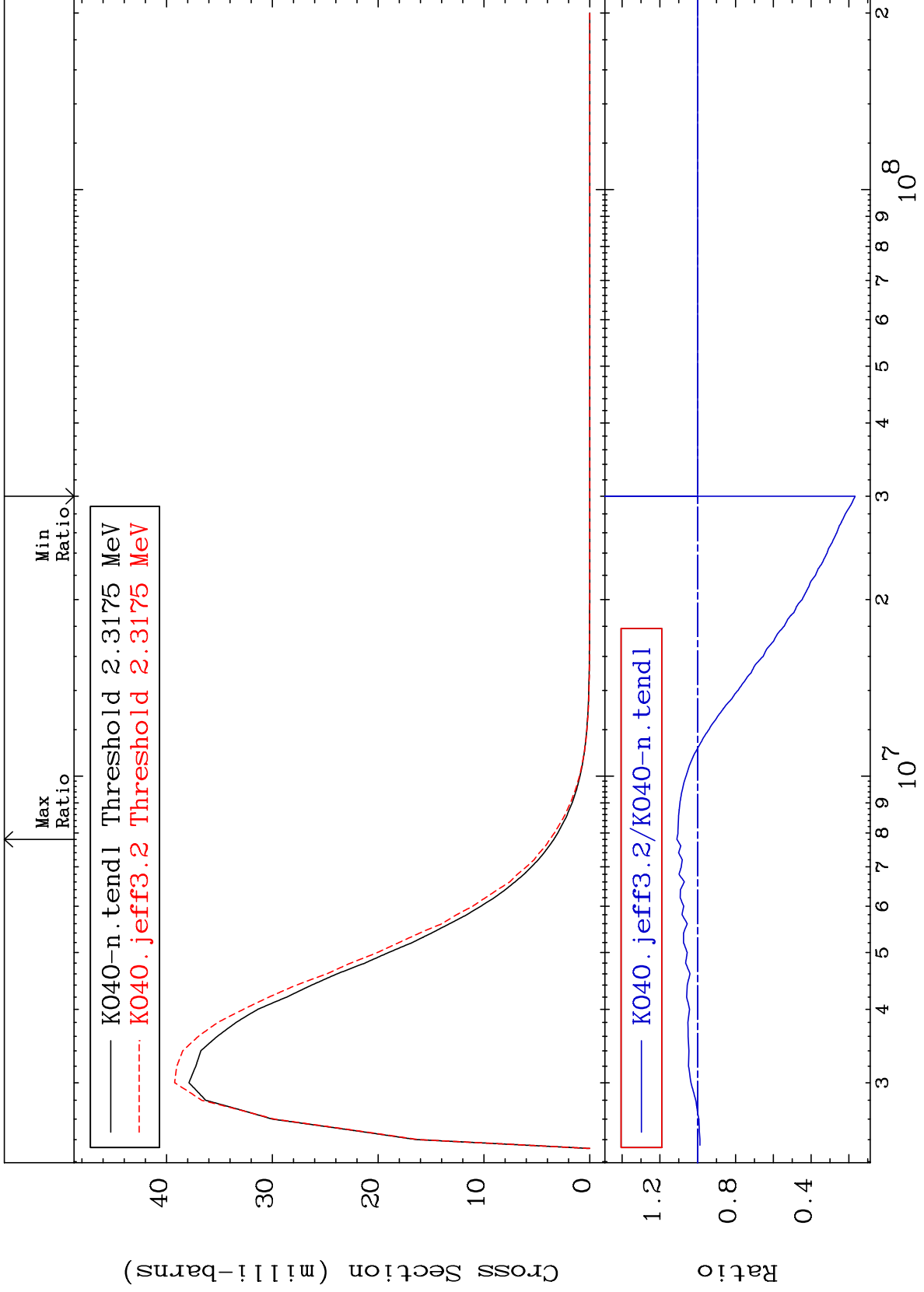
19-K -40
-7.332 To 6.084 %



MAT 1928

2.260 MeV (n,n') Level
Cross Section

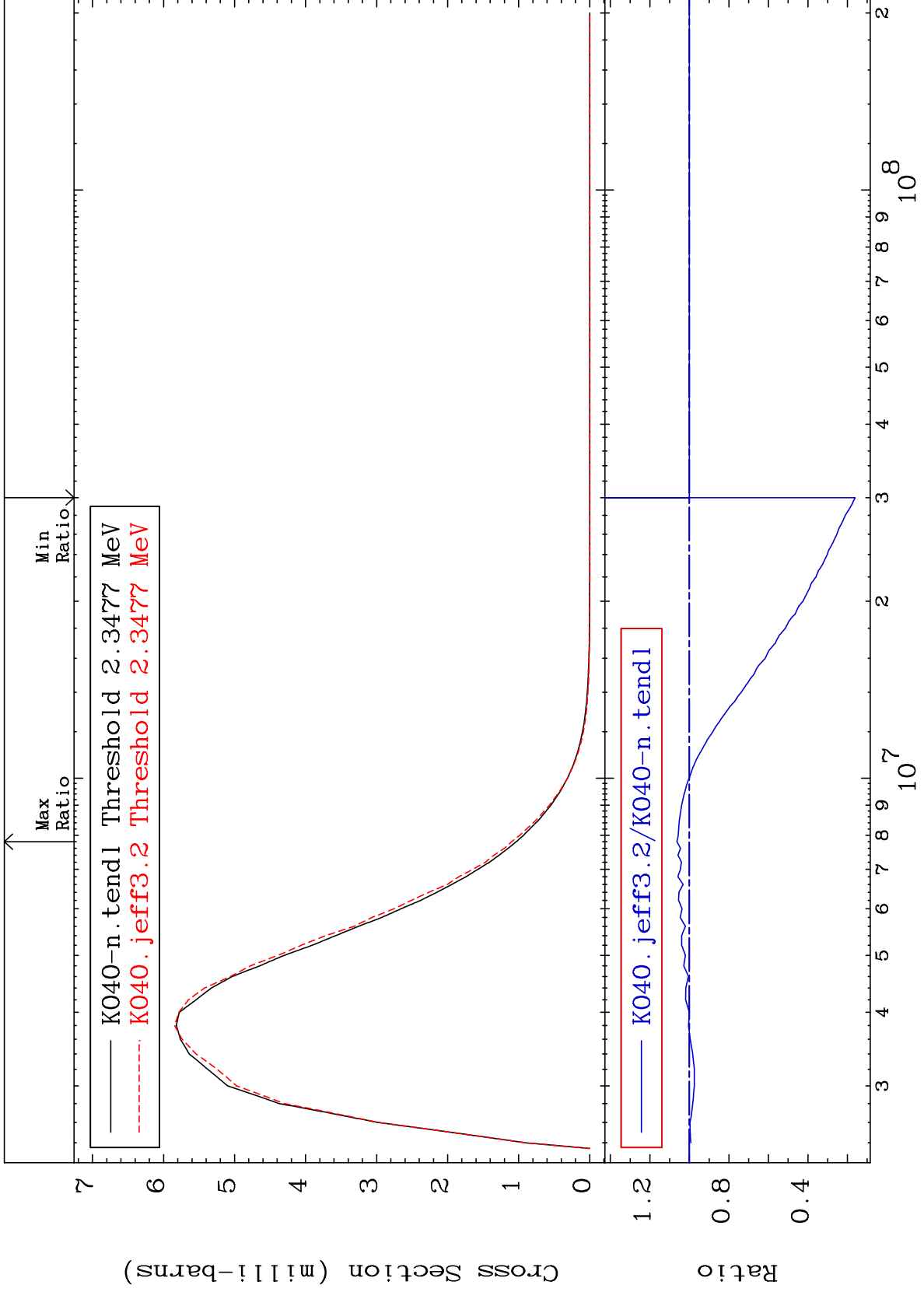
19-K -40
-83.25 To 10.99 %



MAT 1928

2.290 MeV (n,n') Level
Cross Section

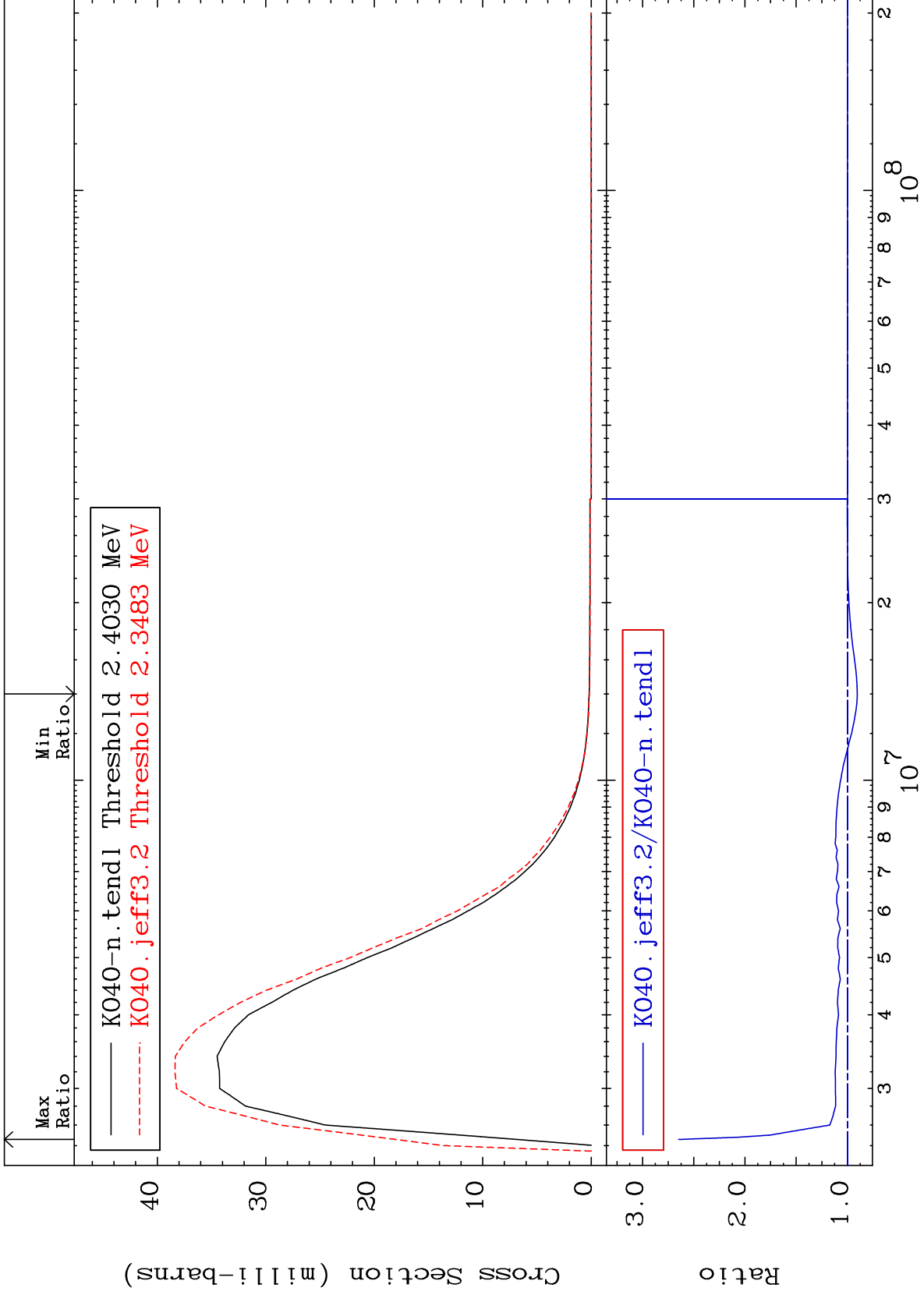
19-K -40
-83.87 To 6.314 %



MAT 1928

2.344 MeV (n,n') Level
Cross Section

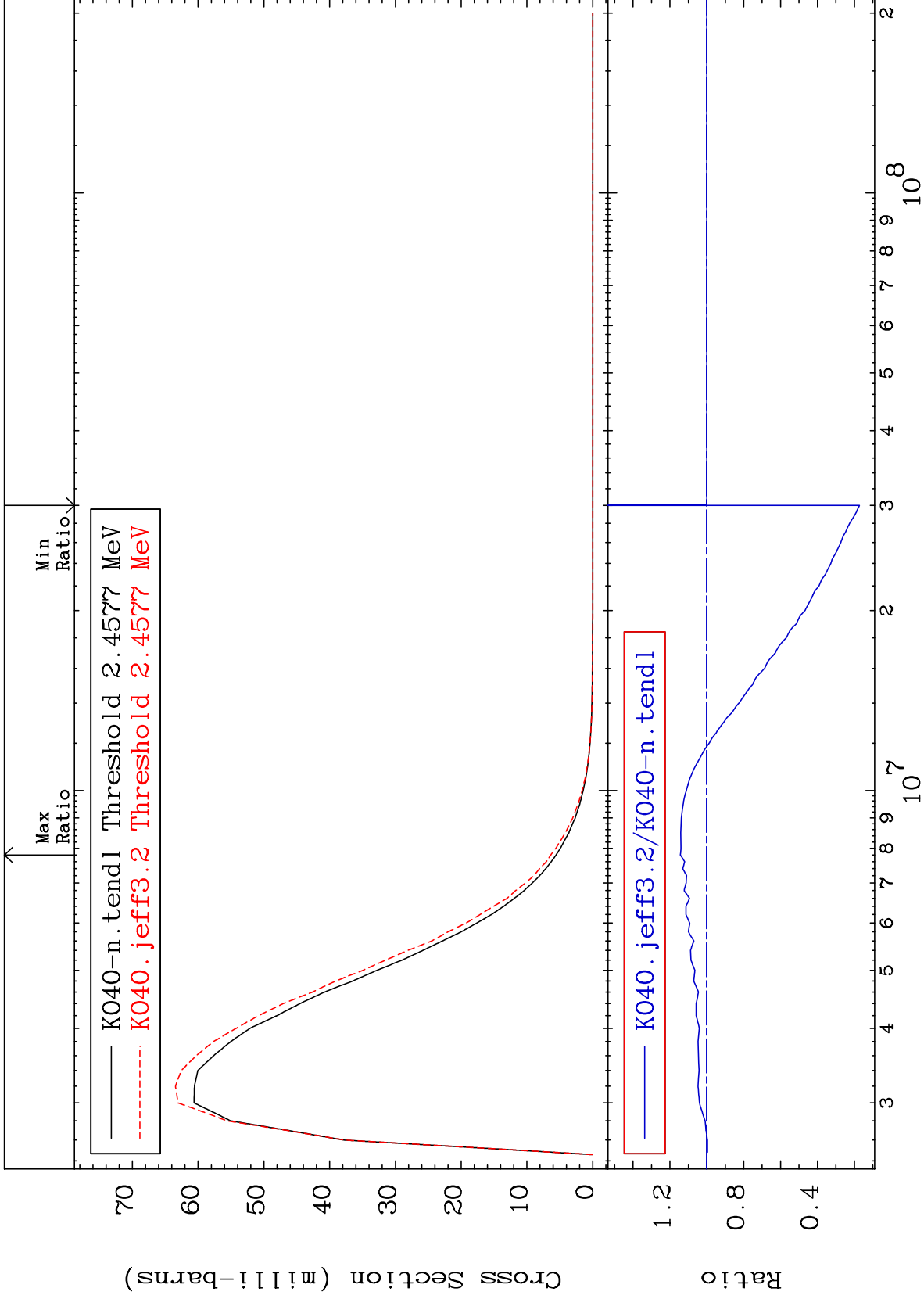
19-K -40
-9.619 To 164.8 %



MAT 1928

2.397 MeV (n,n') Level
Cross Section

19-K -40
-82.74 To 14.34 %



30

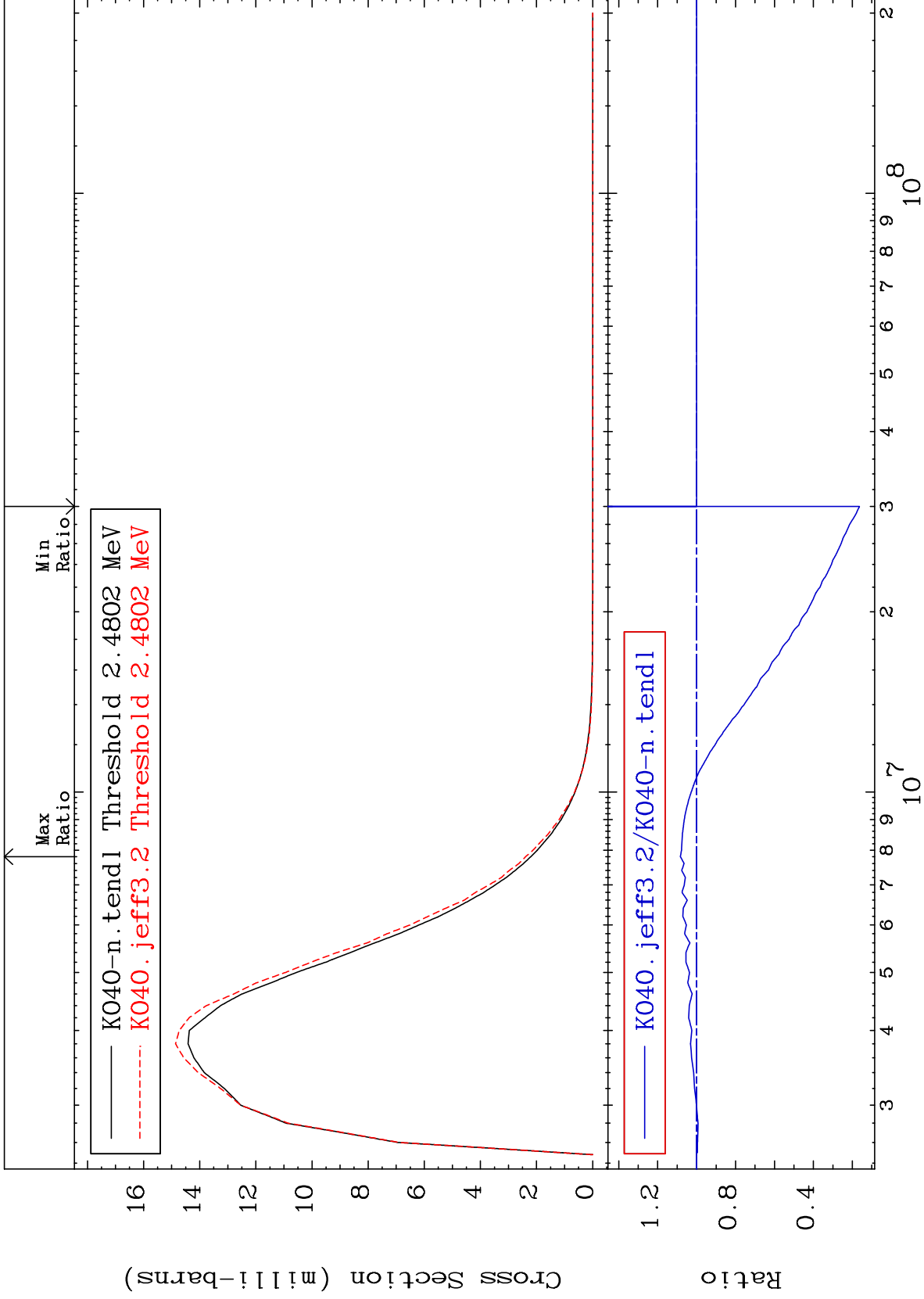
Incident Energy (eV)

19-K -40

MAT 1928

2.419 MeV (n,n') Level
Cross Section

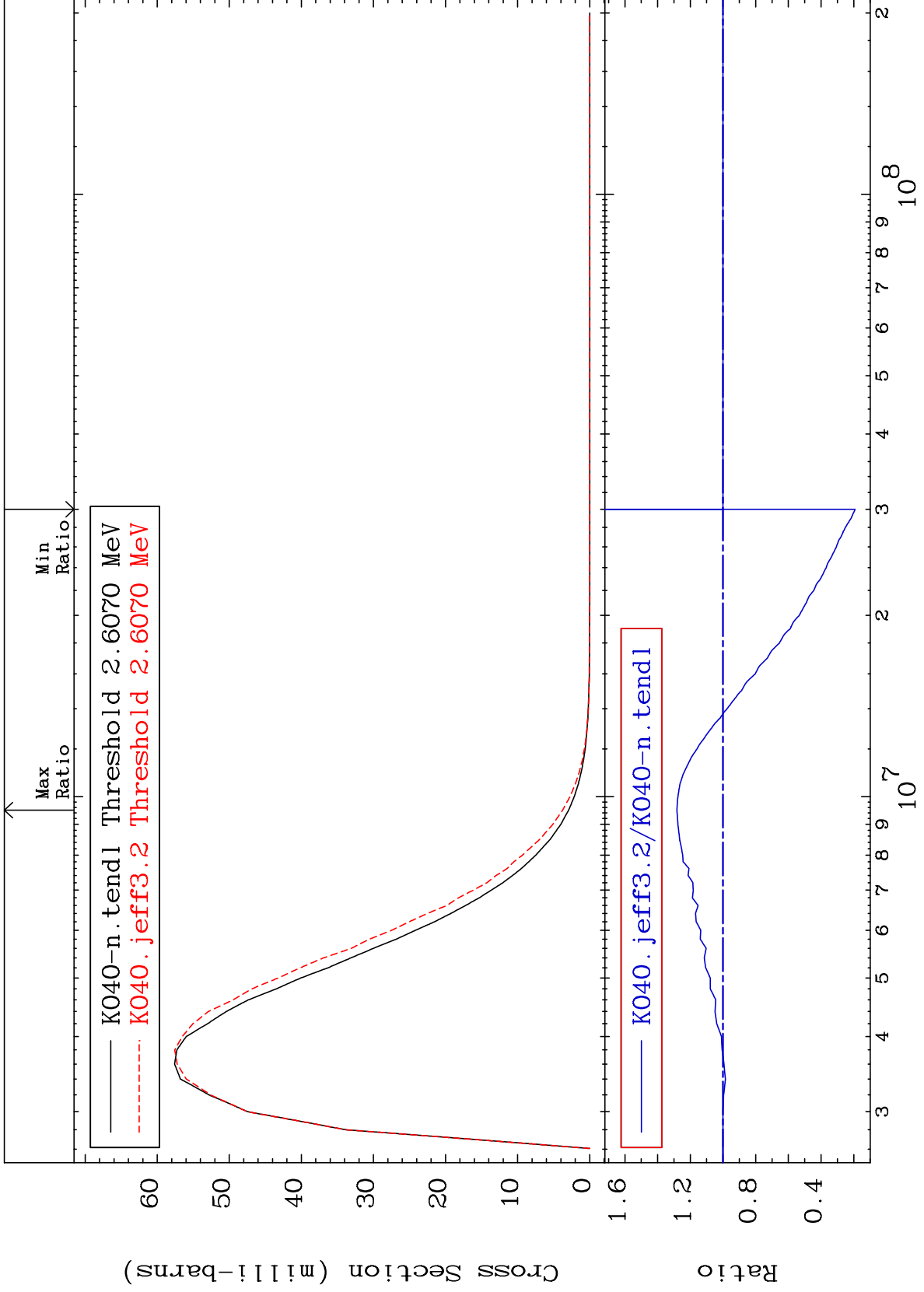
19-K -40
-83.64 To 8.353 %



MAT 1928

2.543 MeV (n,n') Level
Cross Section

19-K -40
-80.82 To 28.18 %



32

Incident Energy (eV)

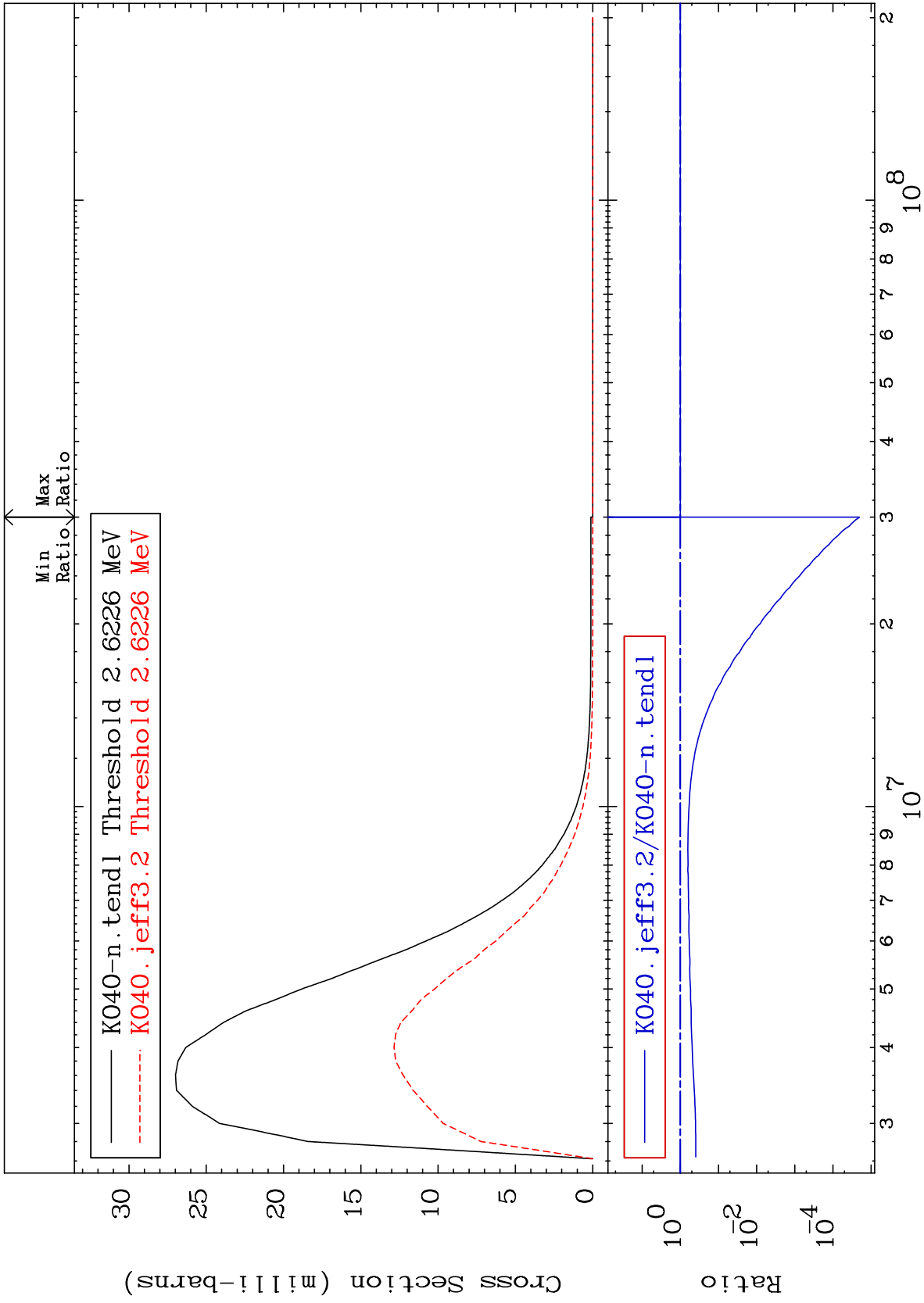
19-K -40

MAT 1928

2.558 MeV (n,n') Level

19-K -40

-100.0 To 0.000 %



33

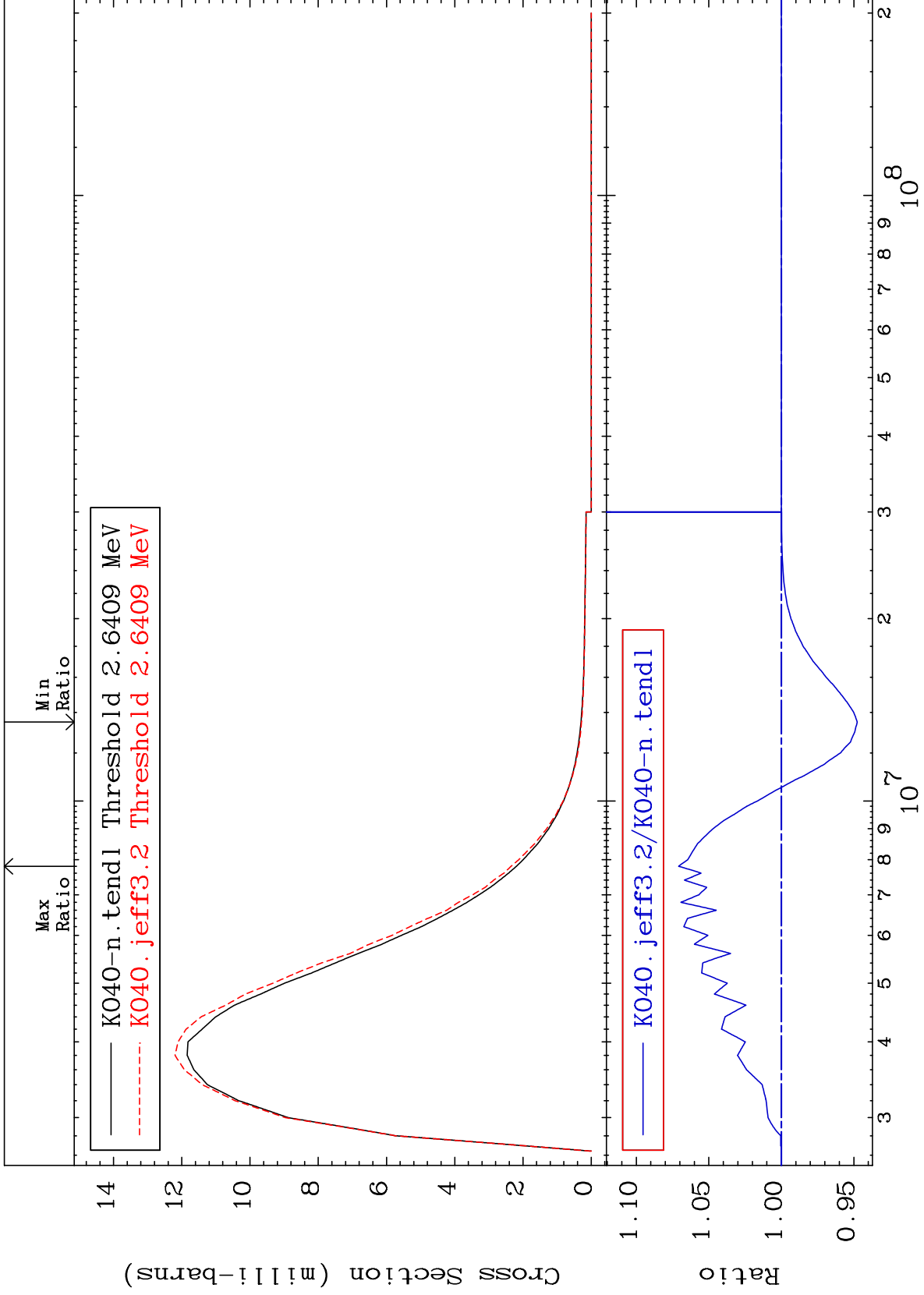
Incident Energy (eV)

19-K -40

MAT 1928

2.576 MeV (n,n') Level
Cross Section

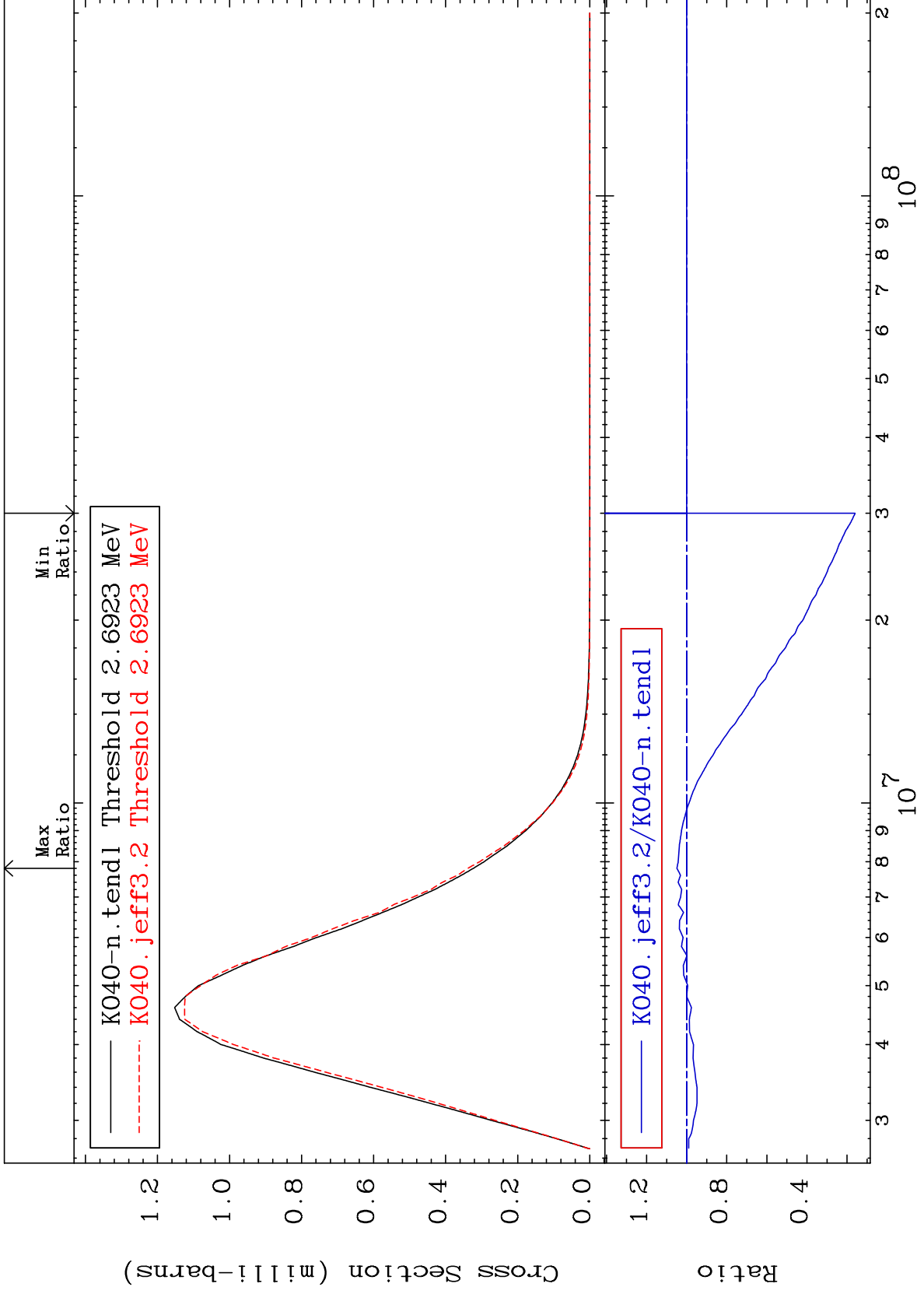
19-K -40
-5.236 To 7.082 %



MAT 1928

2.626 MeV (n,n') Level
Cross Section

19-K -40
-84.01 To 4.861 %



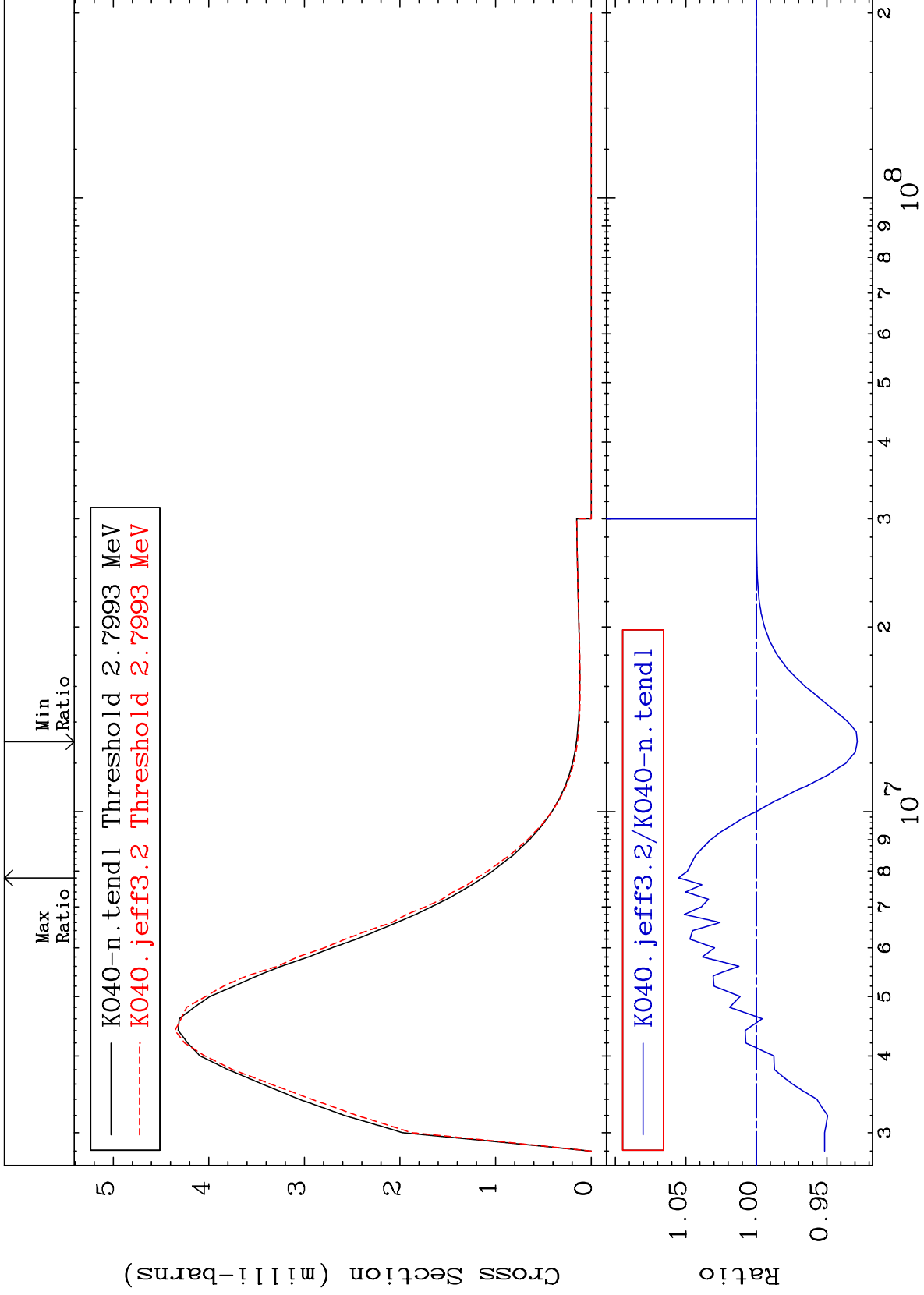
35

19-K -40

MAT 1928

2.730 MeV (n,n') Level
Cross Section

19-K -40
-7.160 To 5.508 %



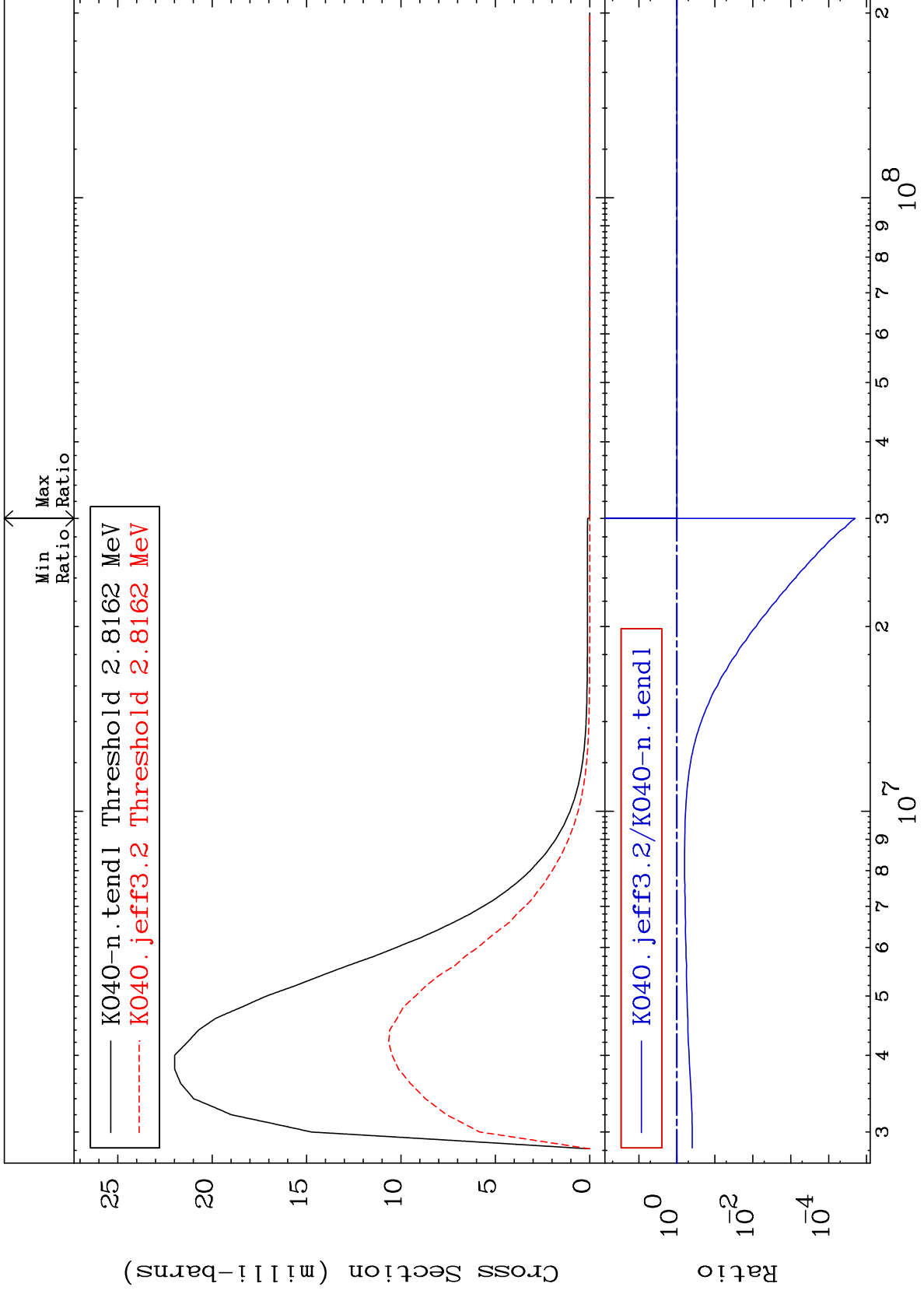
36

19-K -40

MAT 1928

2.747 MeV (n,n') Level
Cross Section

19-K -40
-100.0 To 0.000 %



37

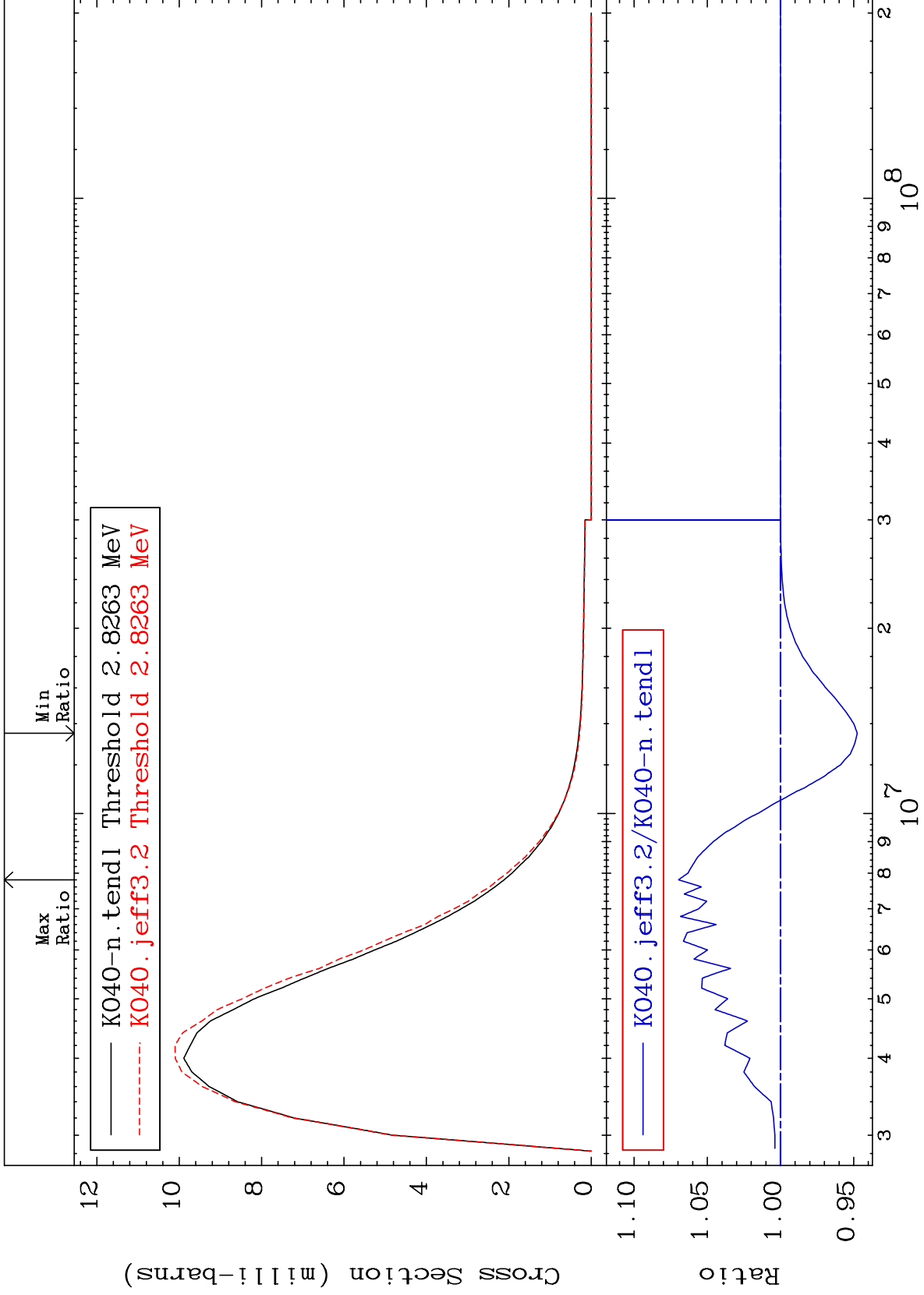
Incident Energy (eV)

19-K -40

MAT 1928

2.757 MeV (n,n') Level
Cross Section

19-K -40
-5.243 To 6.960 %



38

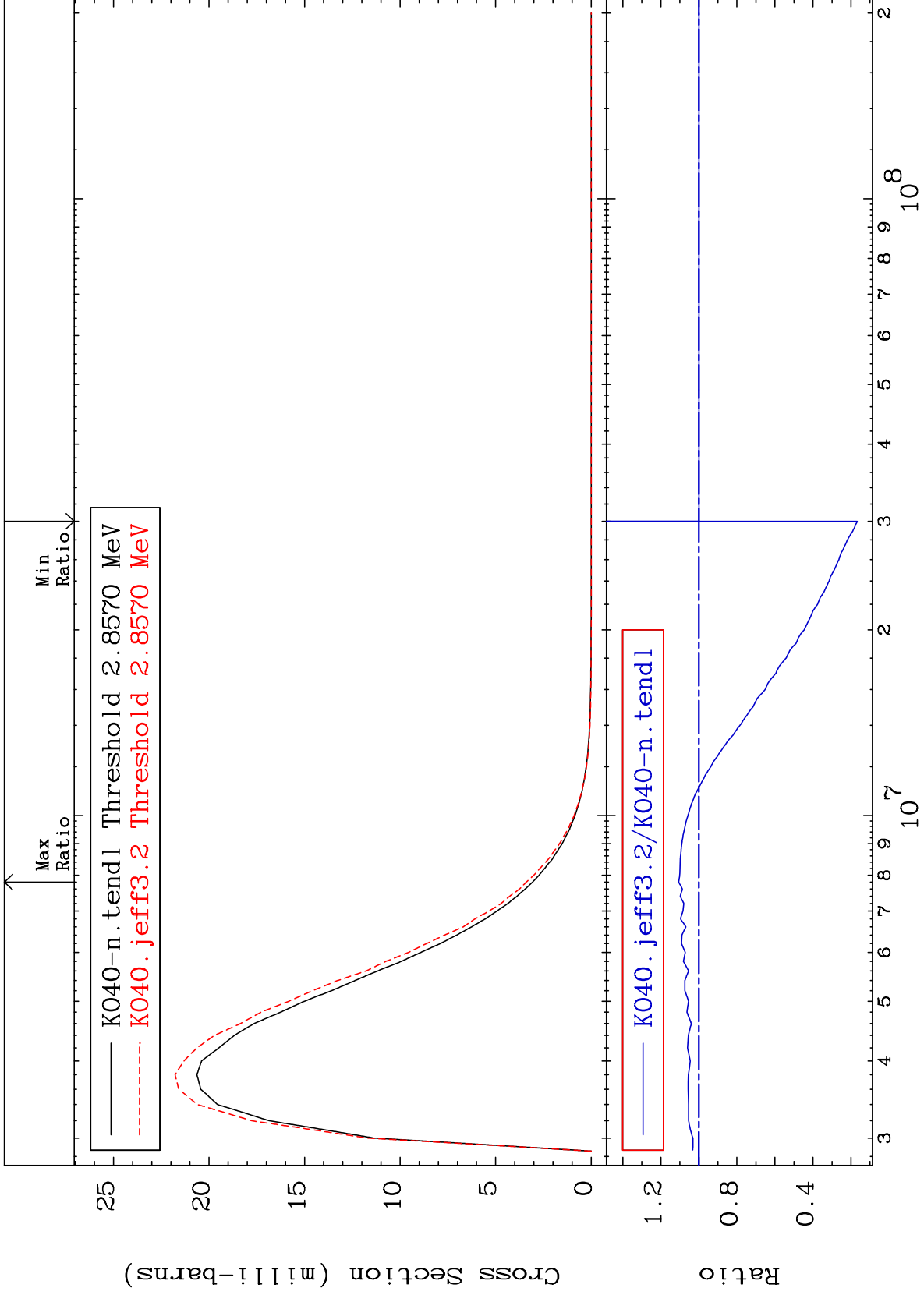
Incident Energy (eV)

19-K -40

MAT 1928

2.787 MeV (n,n') Level
Cross Section

19-K -40
-83.28 To 10.65 %



39

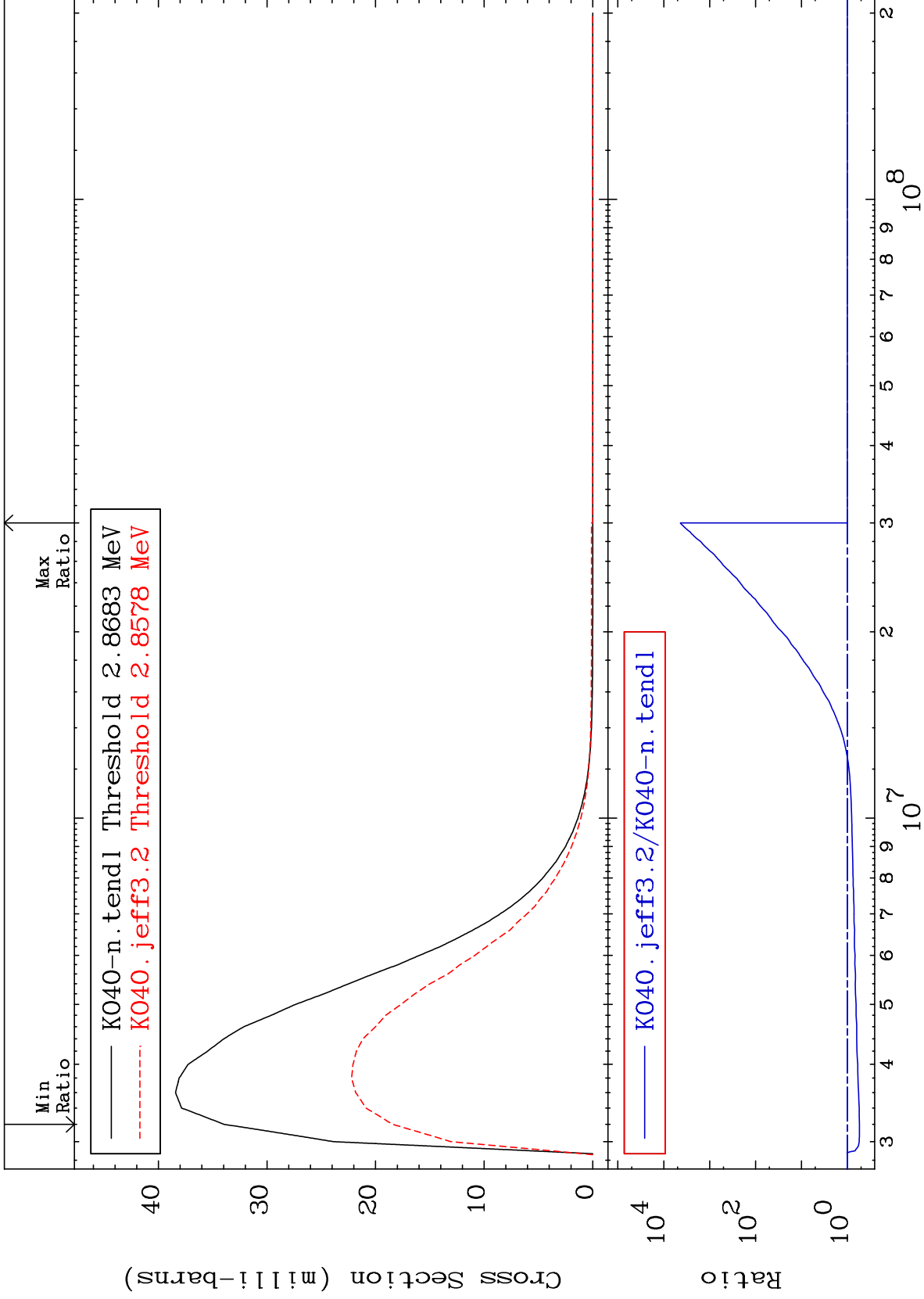
Incident Energy (eV)

19-K -40

MAT 1928

2.798 MeV (n,n') Level
Cross Section

19-K -40
-45.70 To 9999. %



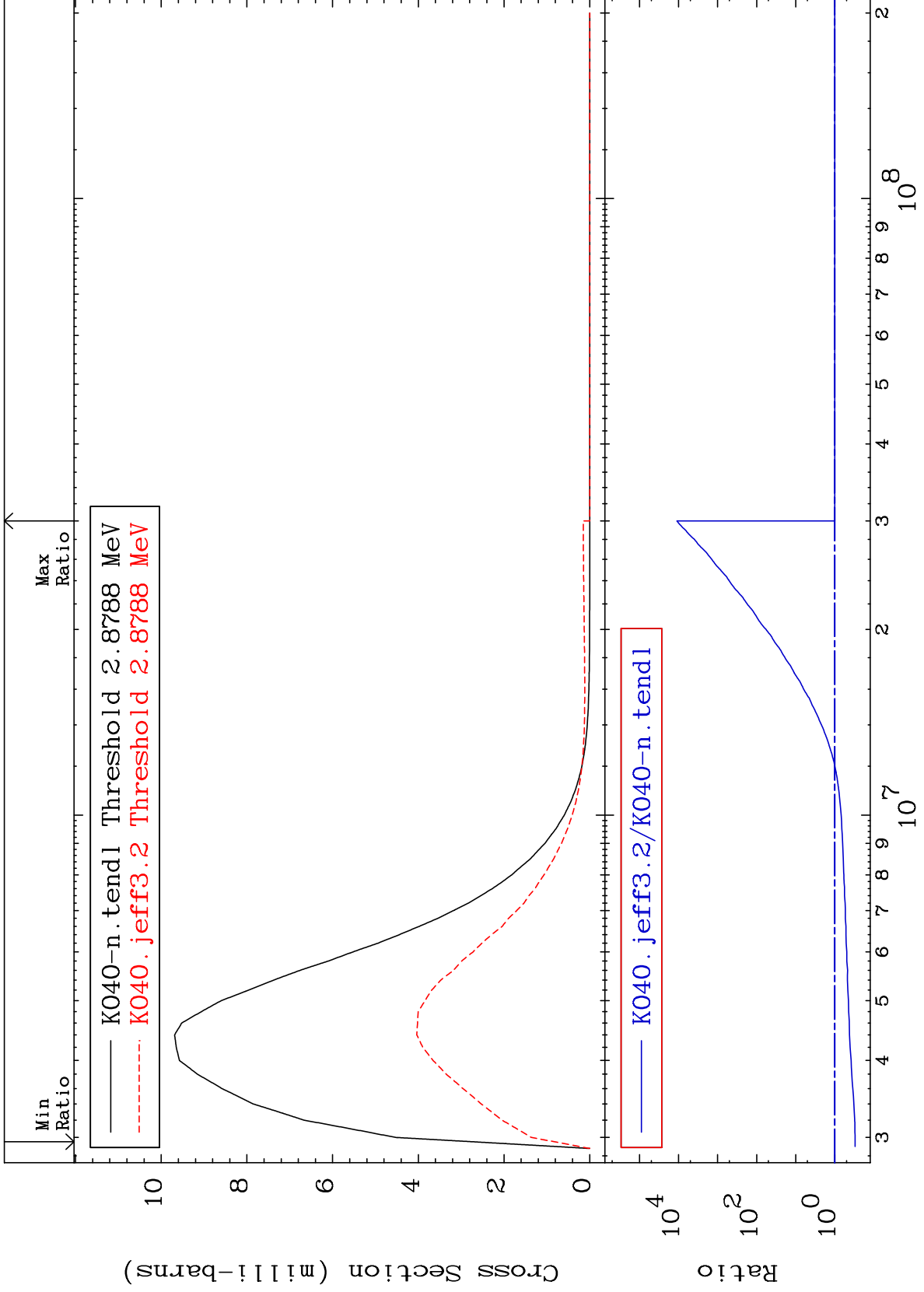
40

19-K -40

MAT 1928

2.808 MeV (n,n') Level
Cross Section

19-K -40
-69.91 To 9999. %



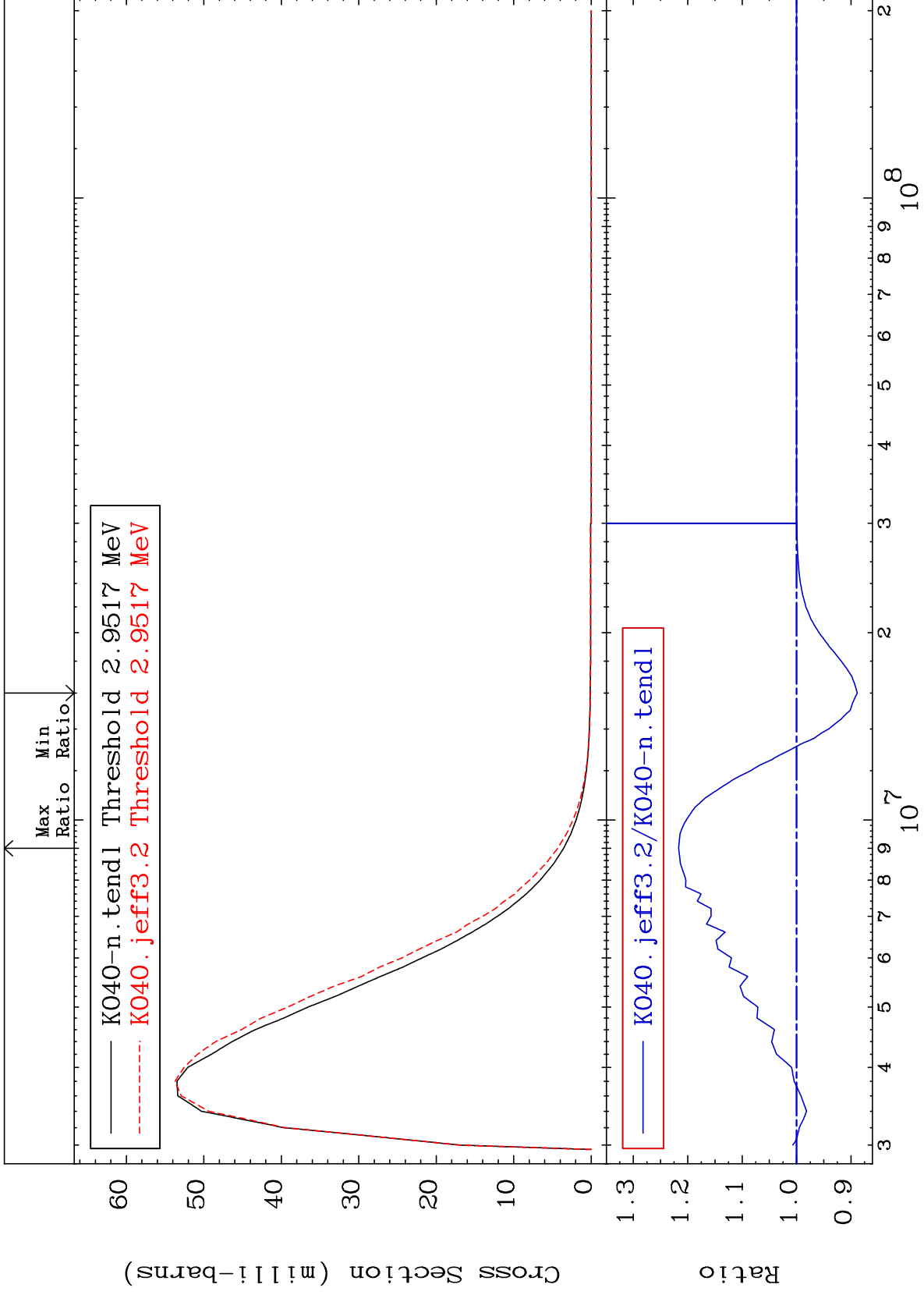
41

19-K -40

MAT 1928

2.879 MeV (n,n') Level
Cross Section

19-K -40
-11.15 To 21.67 %



42

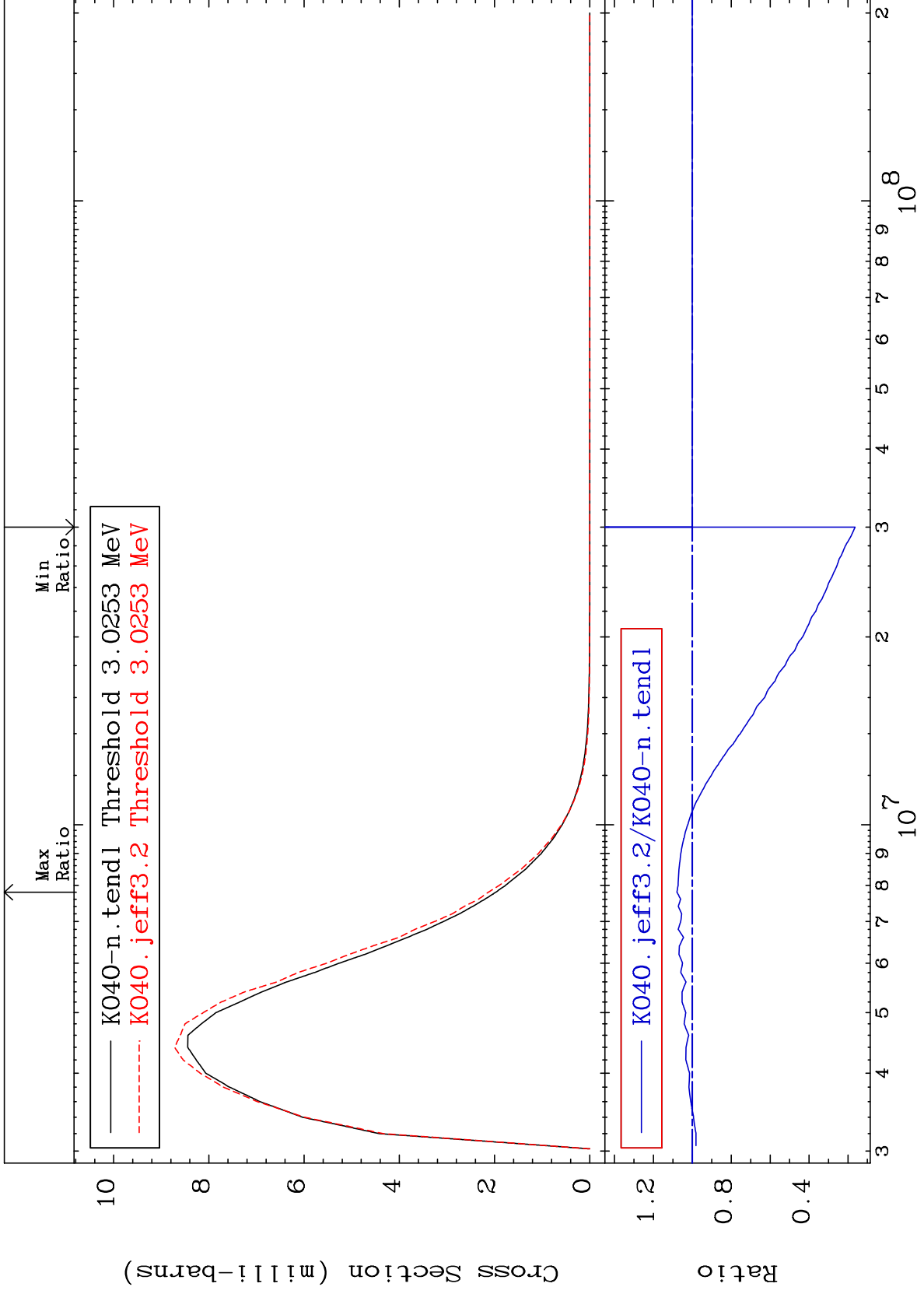
Incident Energy (eV)

19-K -40

MAT 1928

2.951 MeV (n,n') Level
Cross Section

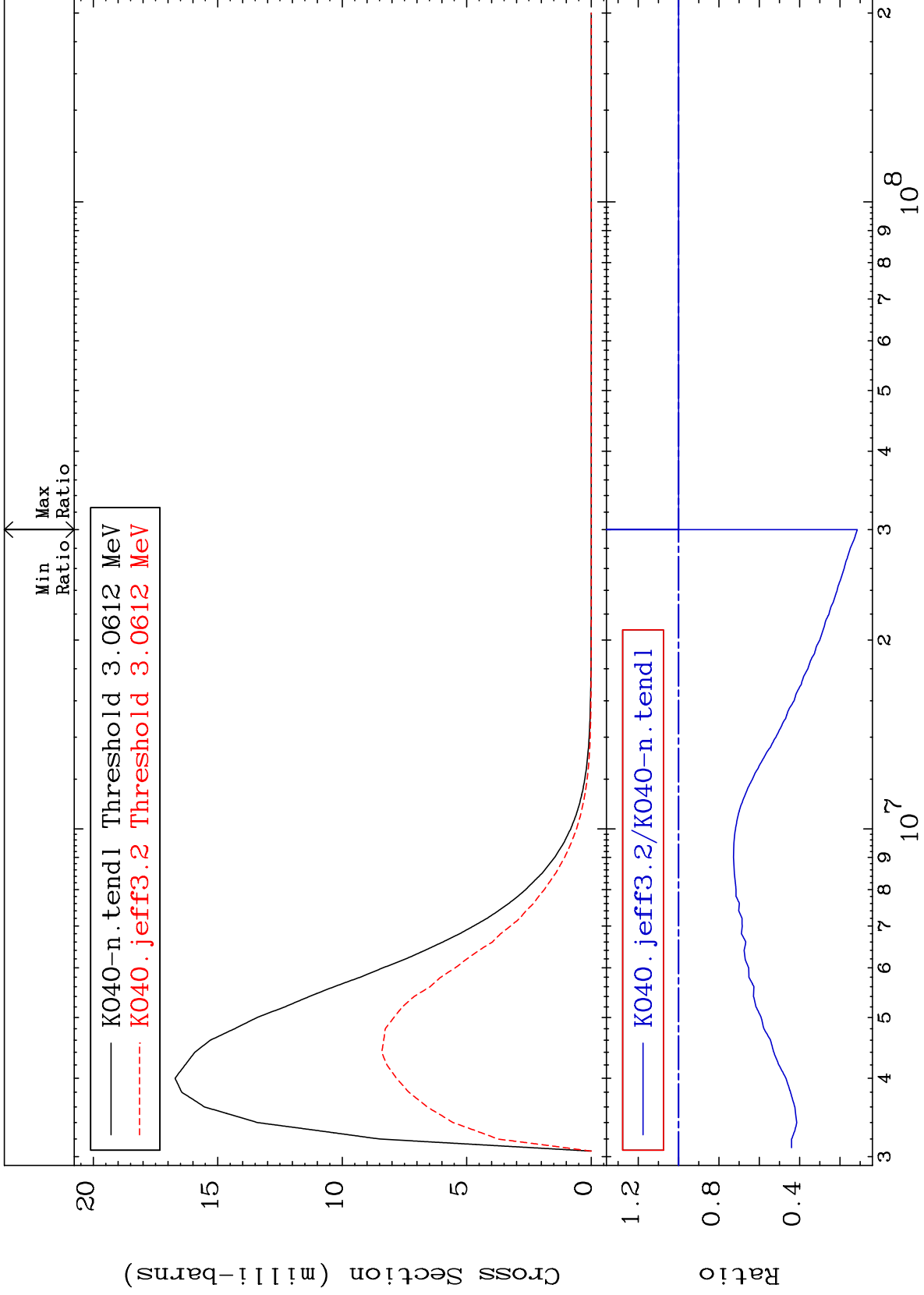
19-K -40
-83.66 To 7.920 %



MAT 1928

2.986 MeV (n,n') Level
Cross Section

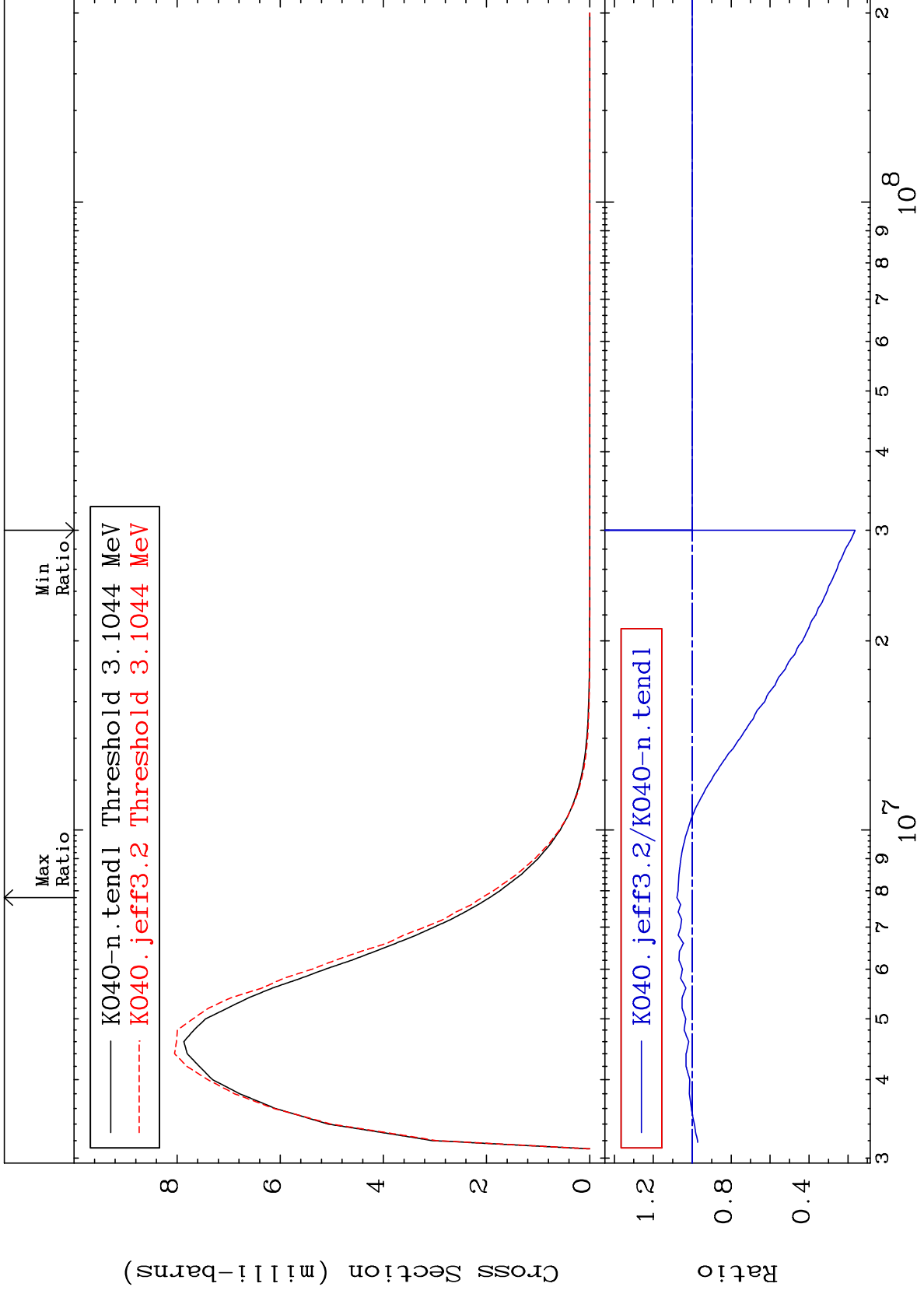
19-K -40
-88.57 To 0.000 %



MAT 1928

3.028 MeV (n,n') Level
Cross Section

19-K -40
-83.67 To 7.859 %



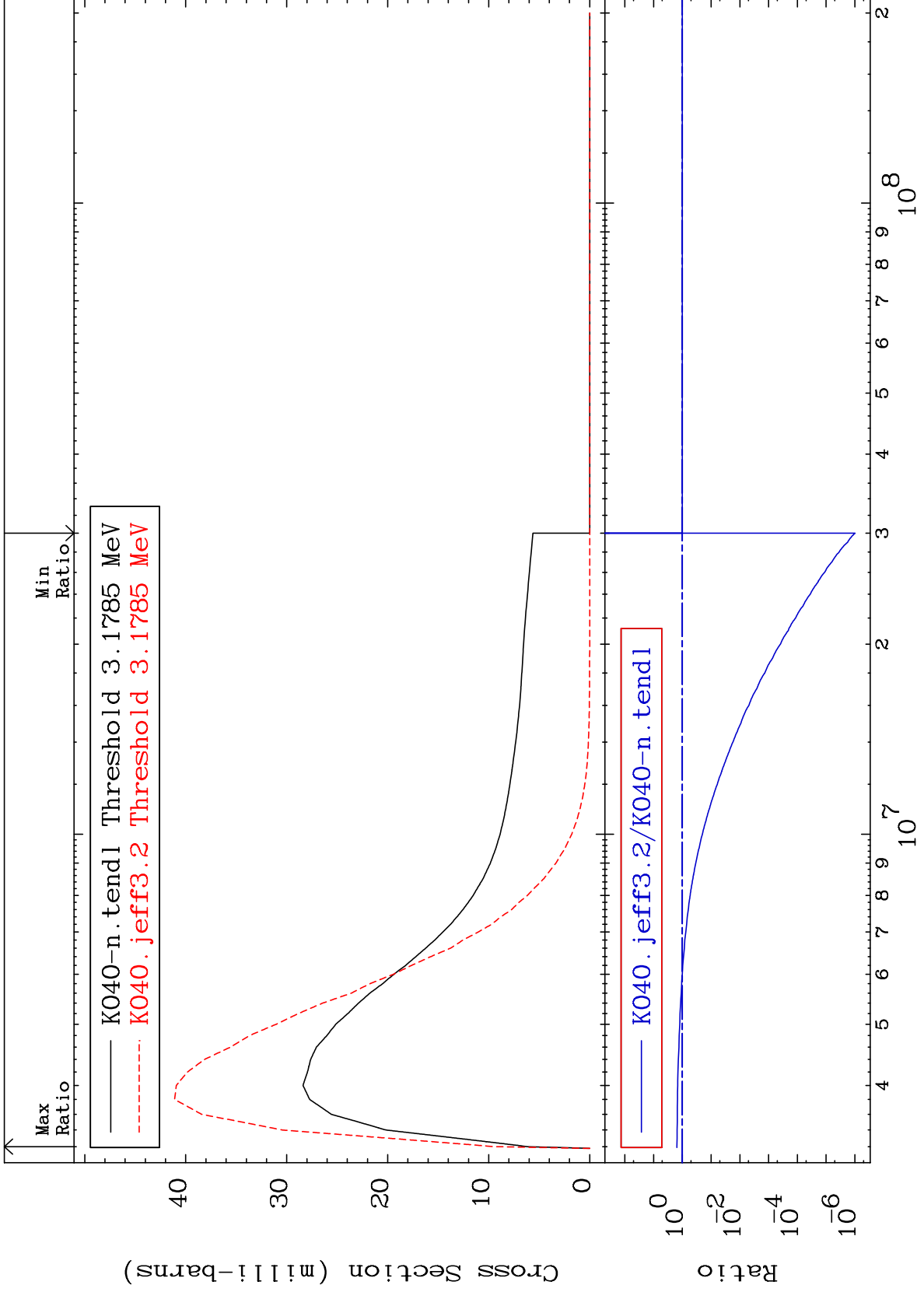
45

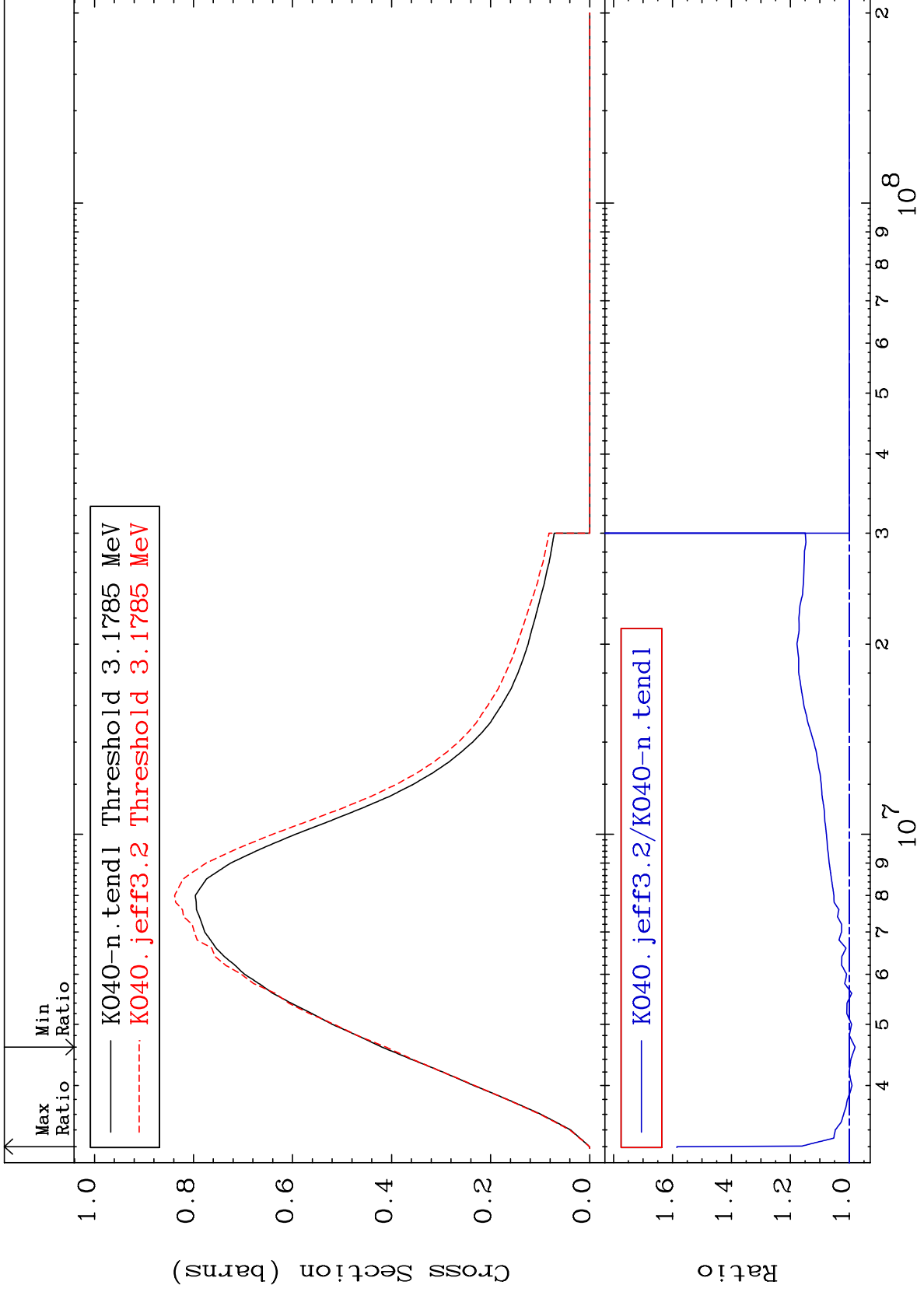
19-K -40

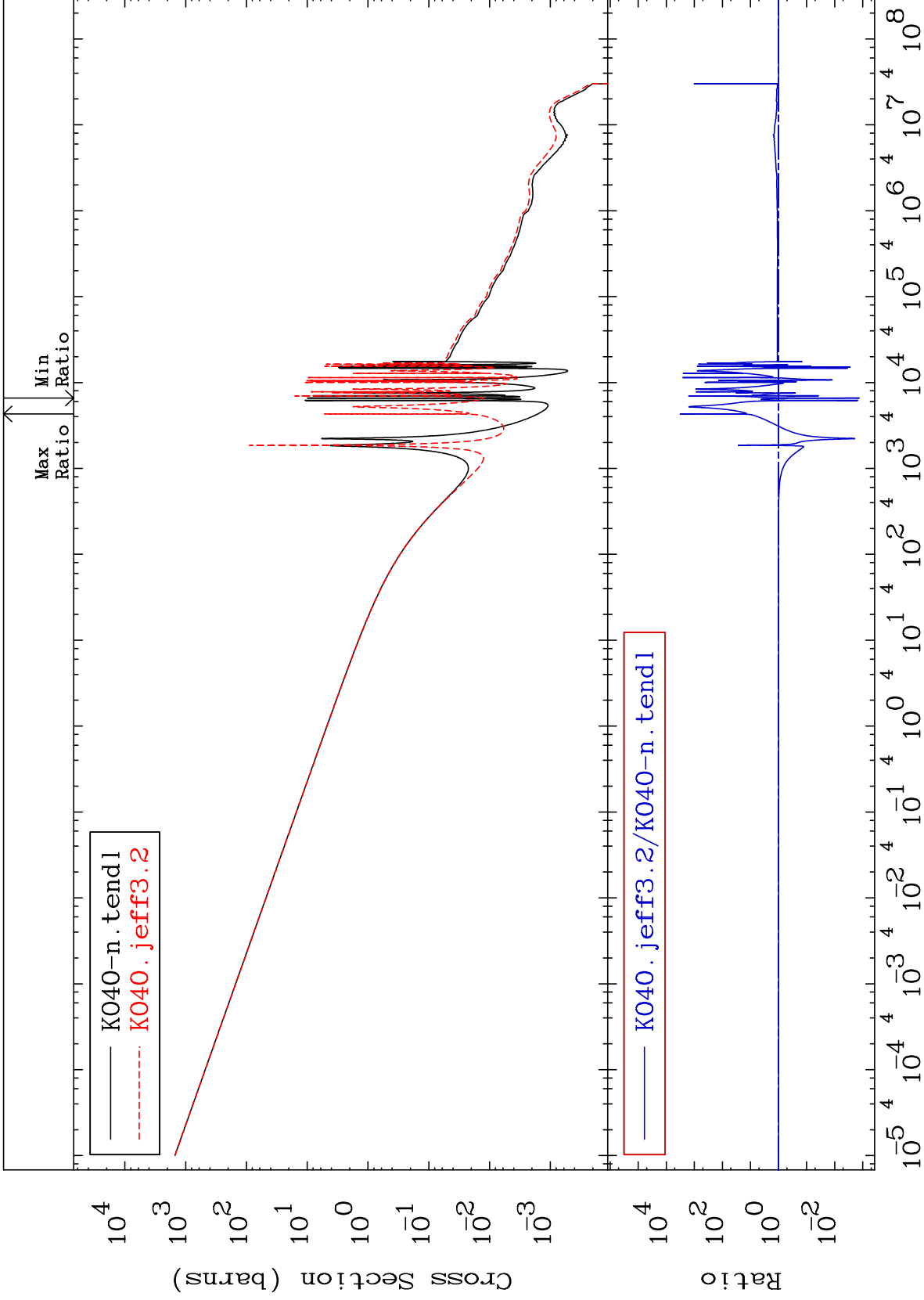
MAT 1928

3.100 MeV (n,n') Level
Cross Section

19-K -40
-100.0 To 54.06 %







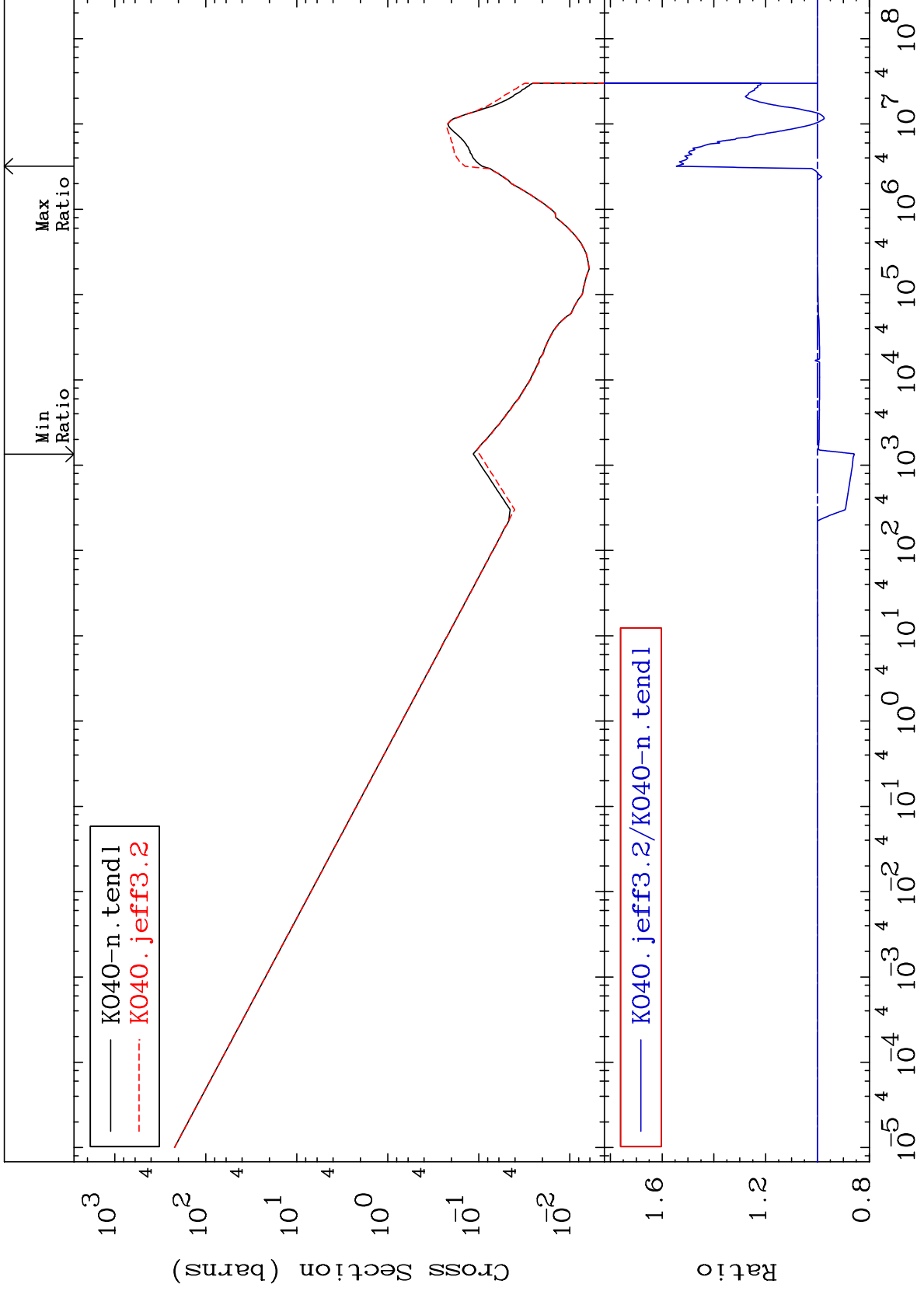
MAT 1928

(n,p)

Cross Section

19-K -40

-14.26 To 54.50 %



49

Incident Energy (eV)

19-K -40

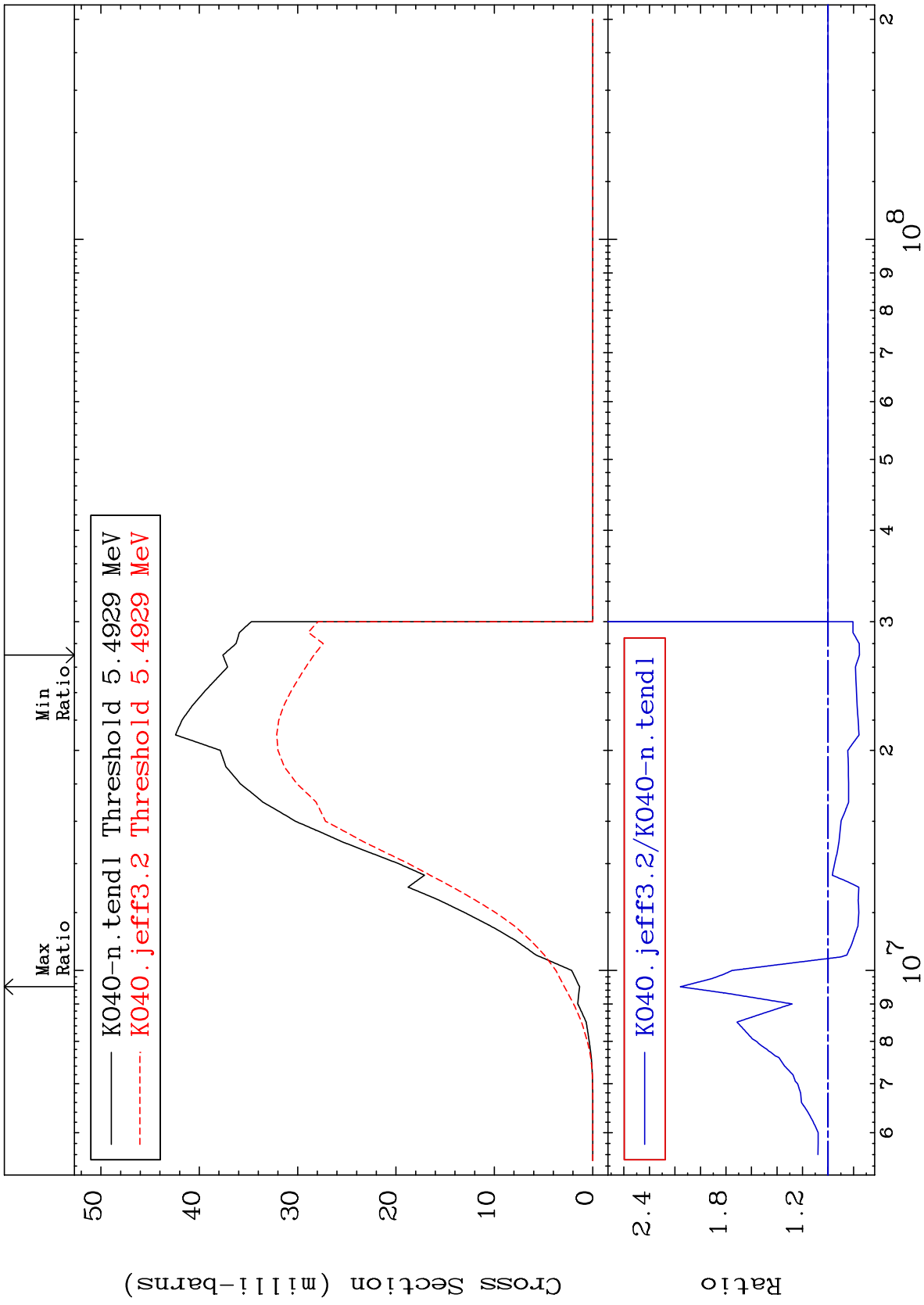
MAT 1928

(n, d)

19-K -40

Cross Section

-24.60 To 115.8 %



50

19-K -40

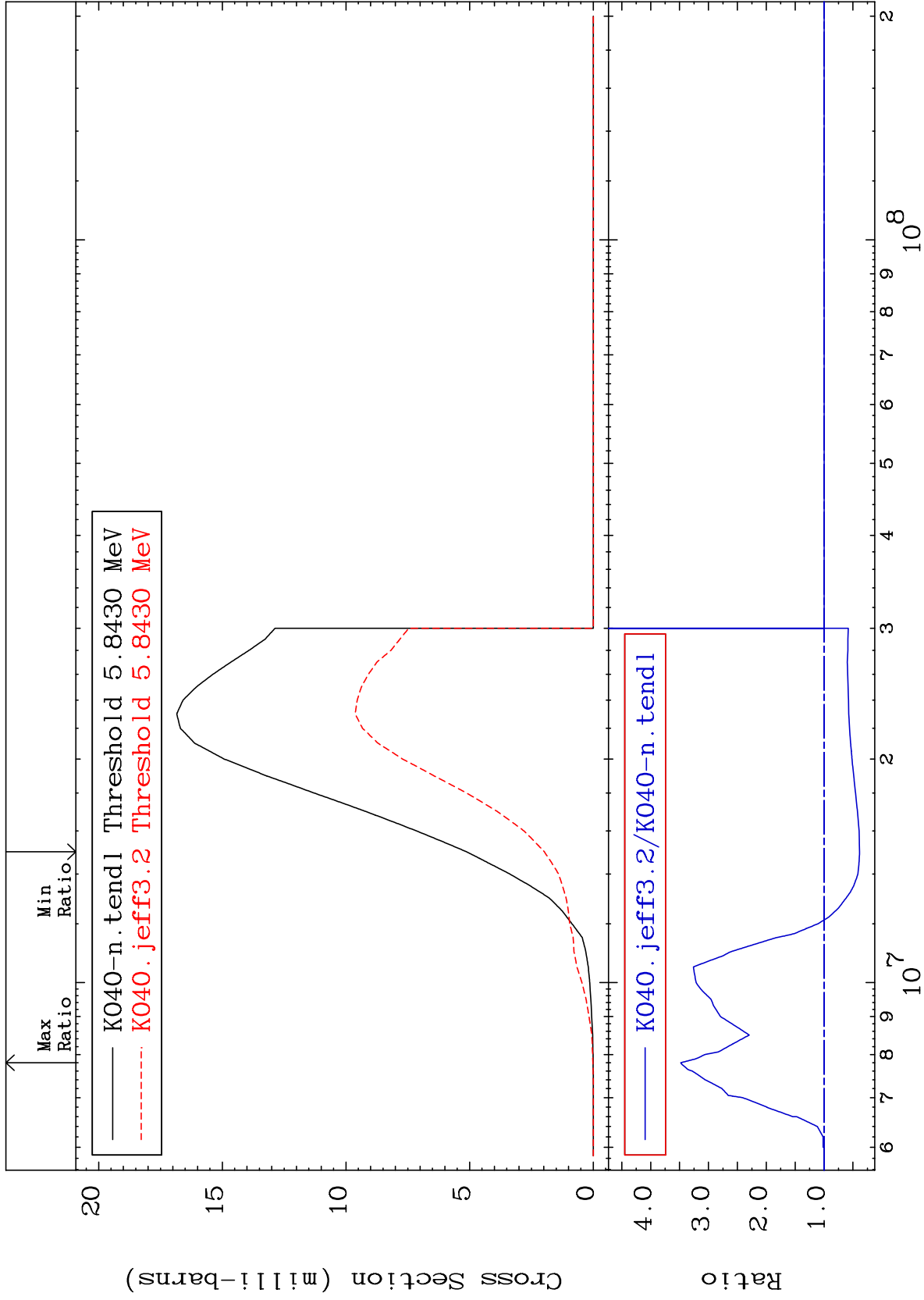
MAT 1928

(n, t)

19-K -40

Cross Section

-61.40 To 247.9 %



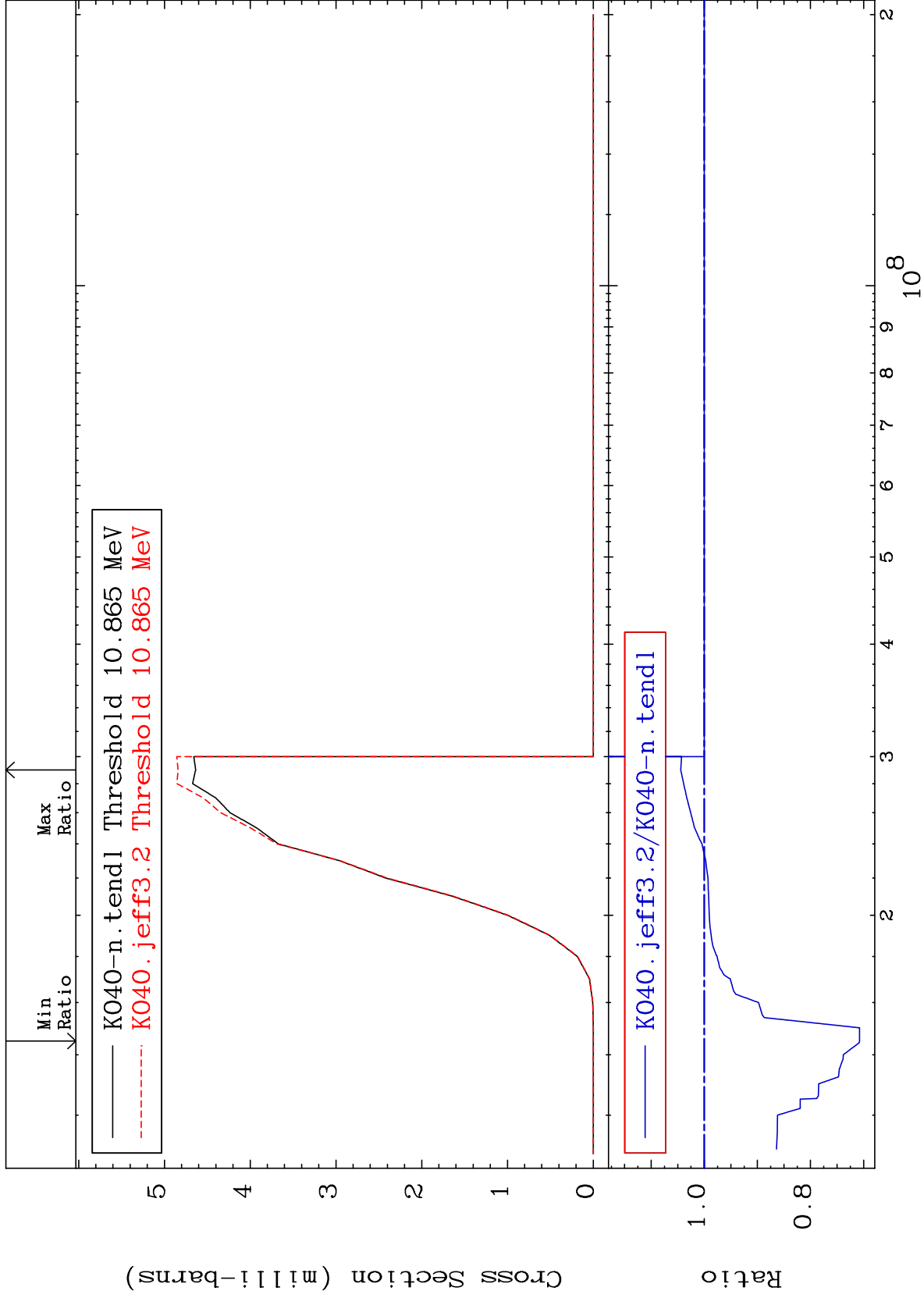
51

19-K -40

MAT 1928

(n, He-3)
Cross Section

19-K -40
-29.23 To 4.428 %



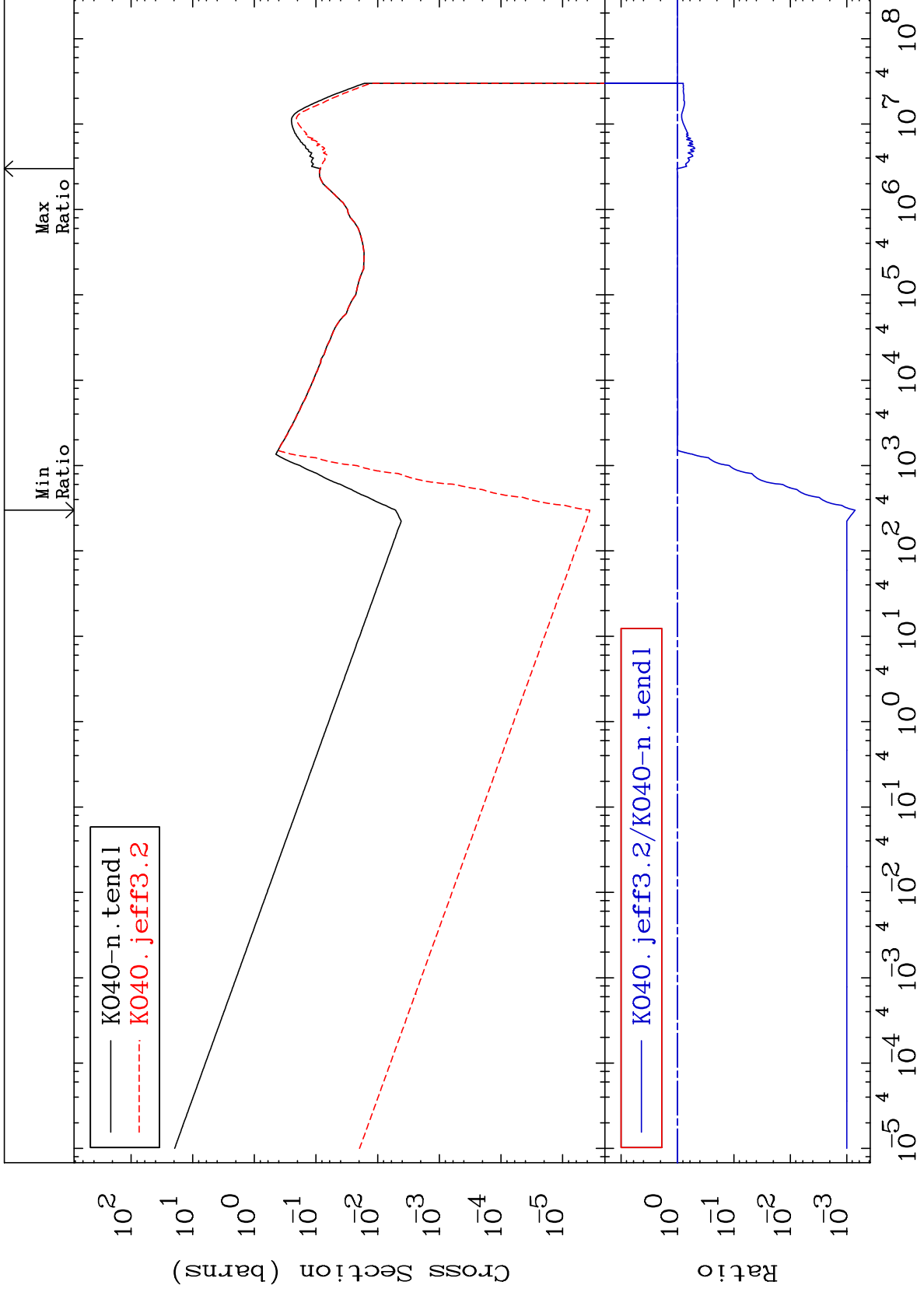
MAT 1928

(n, α)

Cross Section

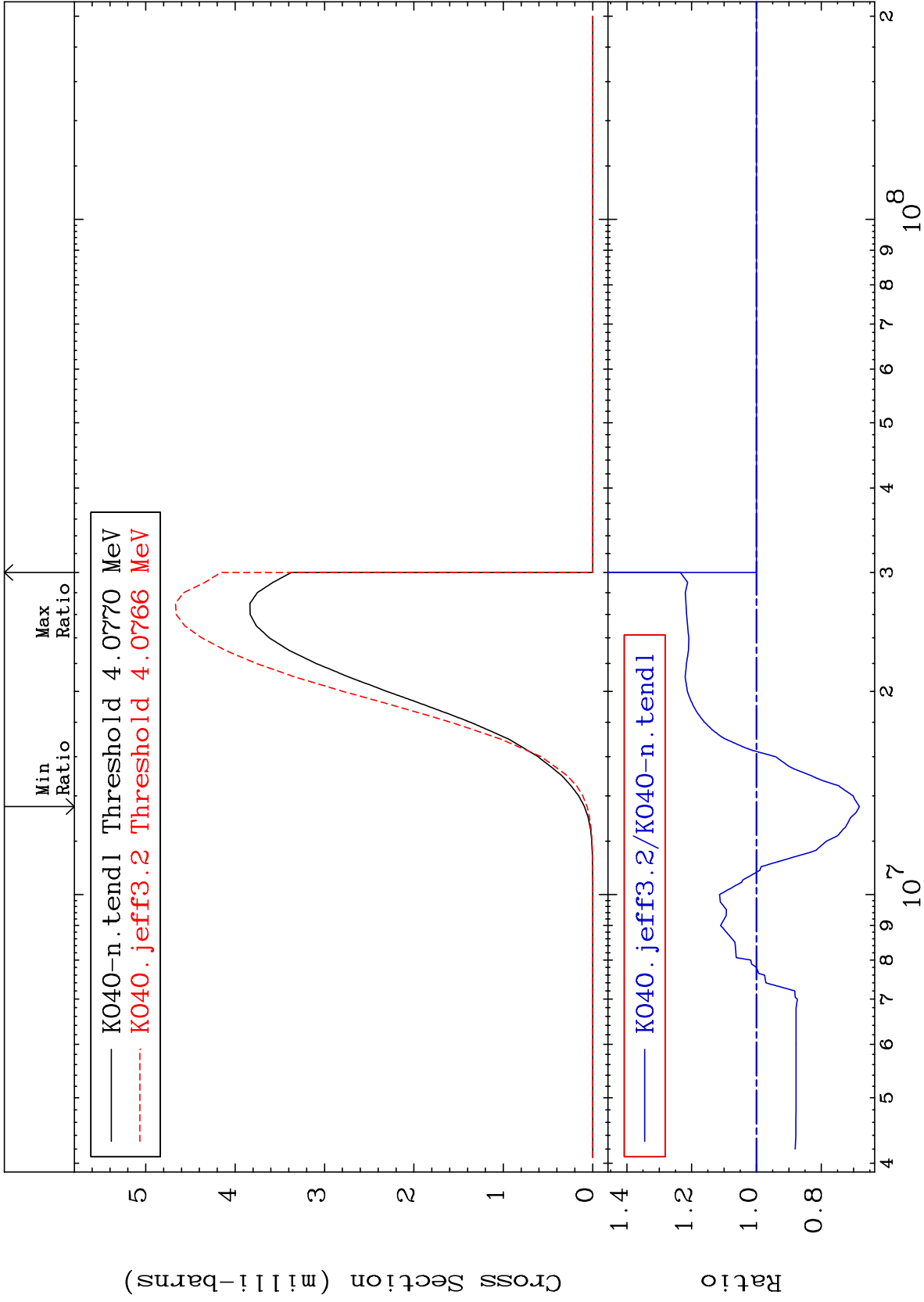
19-K -40

-99.93 To 2.234 %



Cross Section

-31.78 To 23.49 %



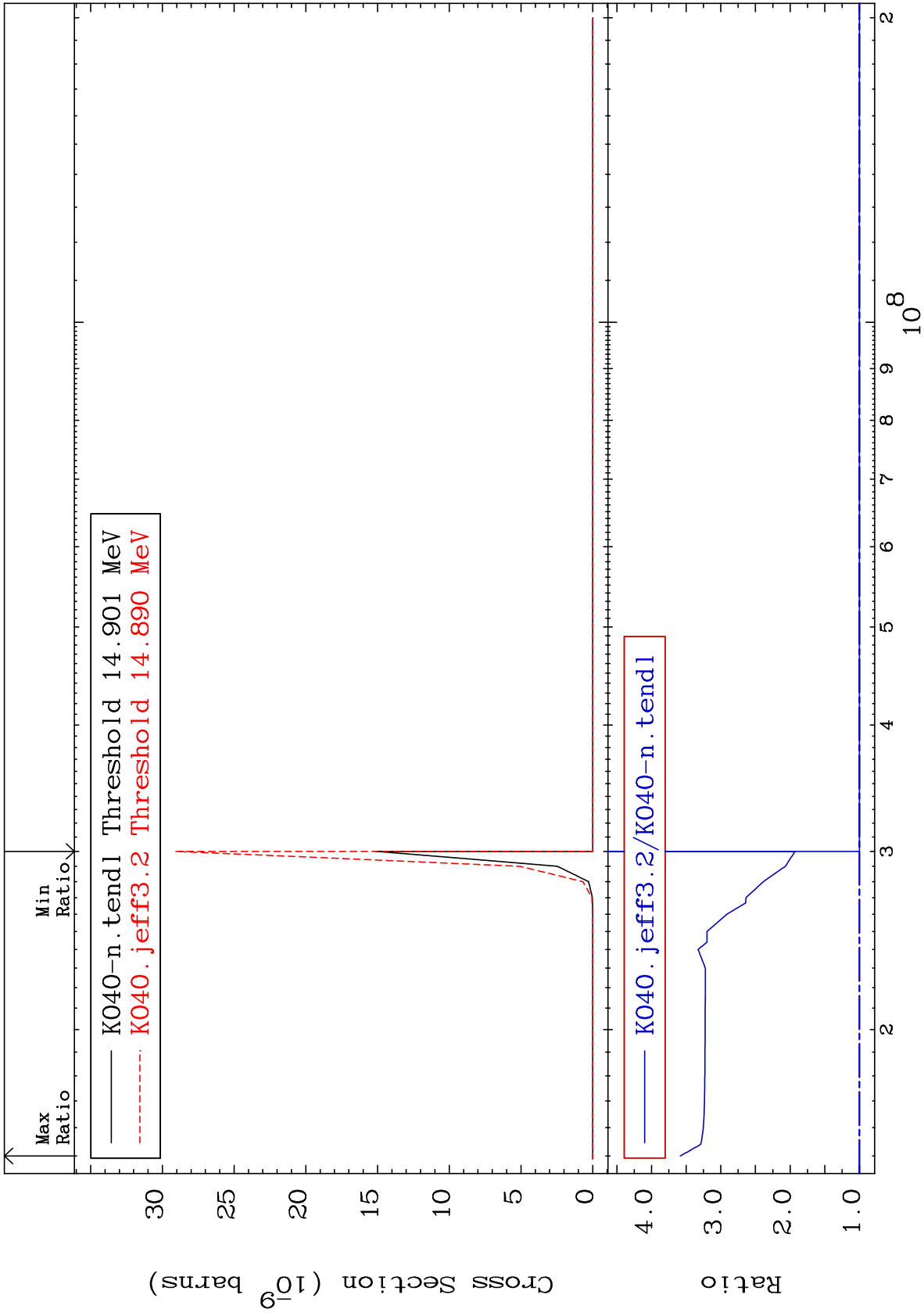
MAT 1928

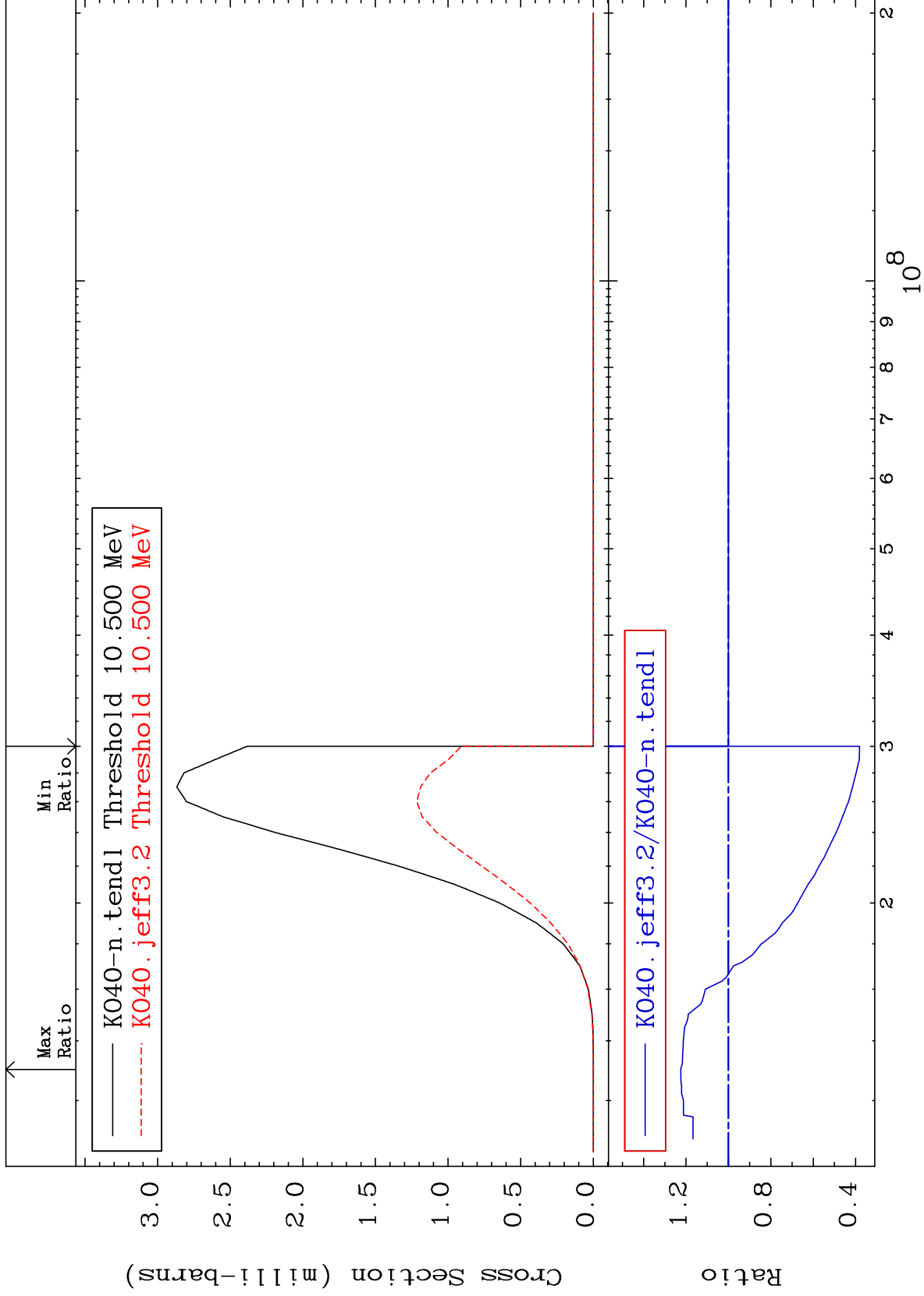
(n,3α)

19-K -40

Cross Section

0.000 To 258.4 %





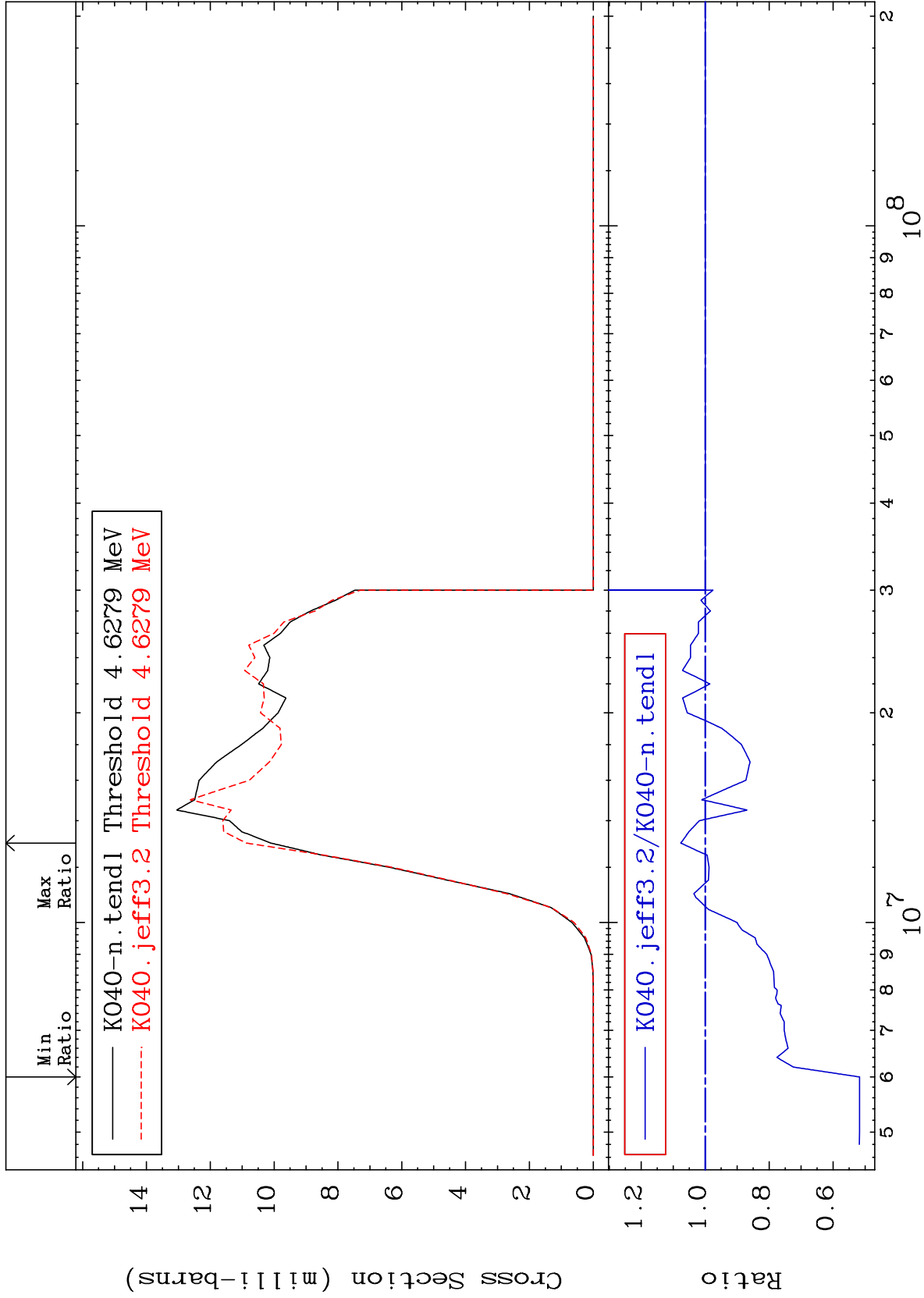
MAT 1928

(n,p) α

19-K -40

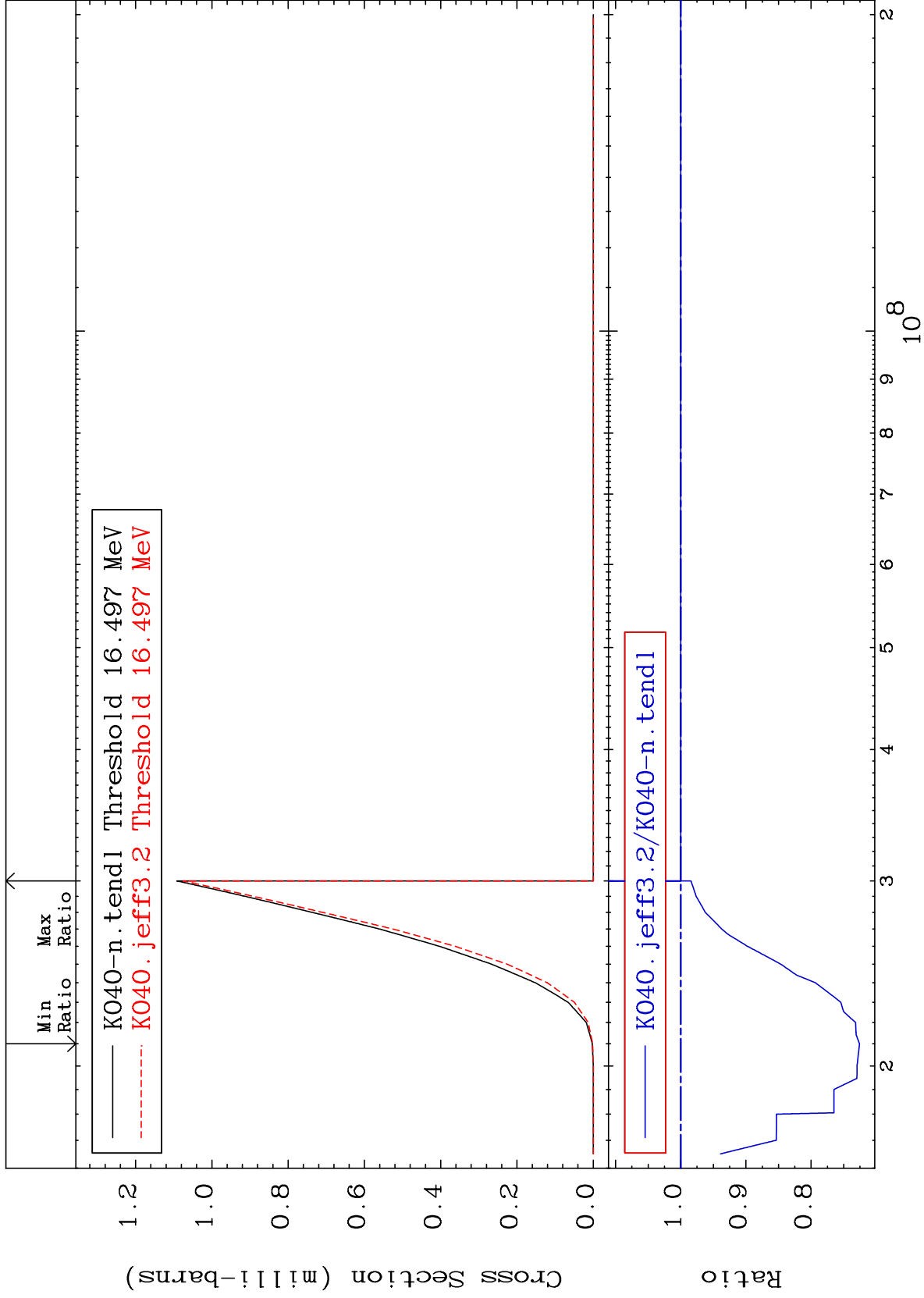
Cross Section

-48.27 To 7.640 %



57

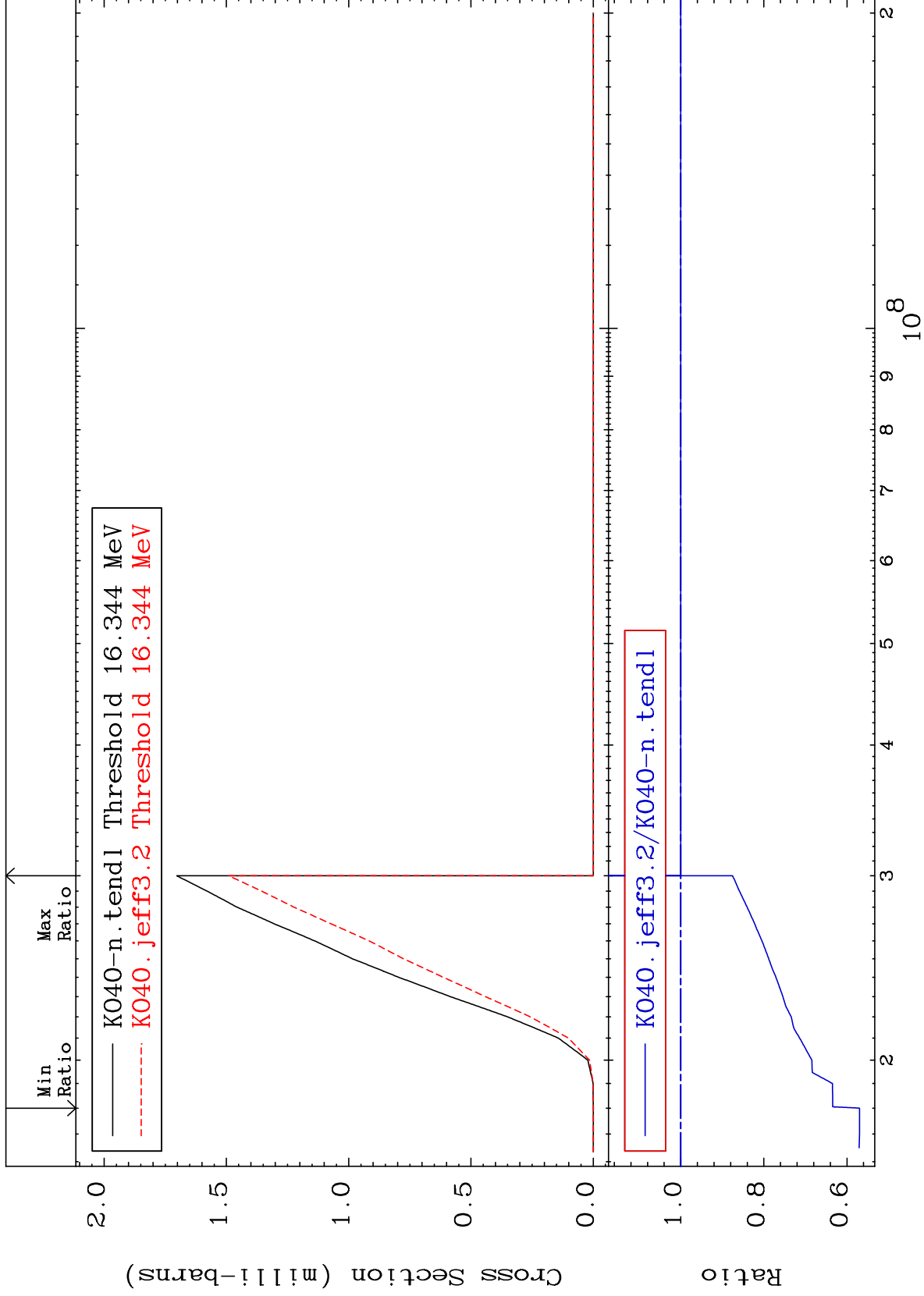
19-K -40



MAT 1928

(n,p) t
Cross Section

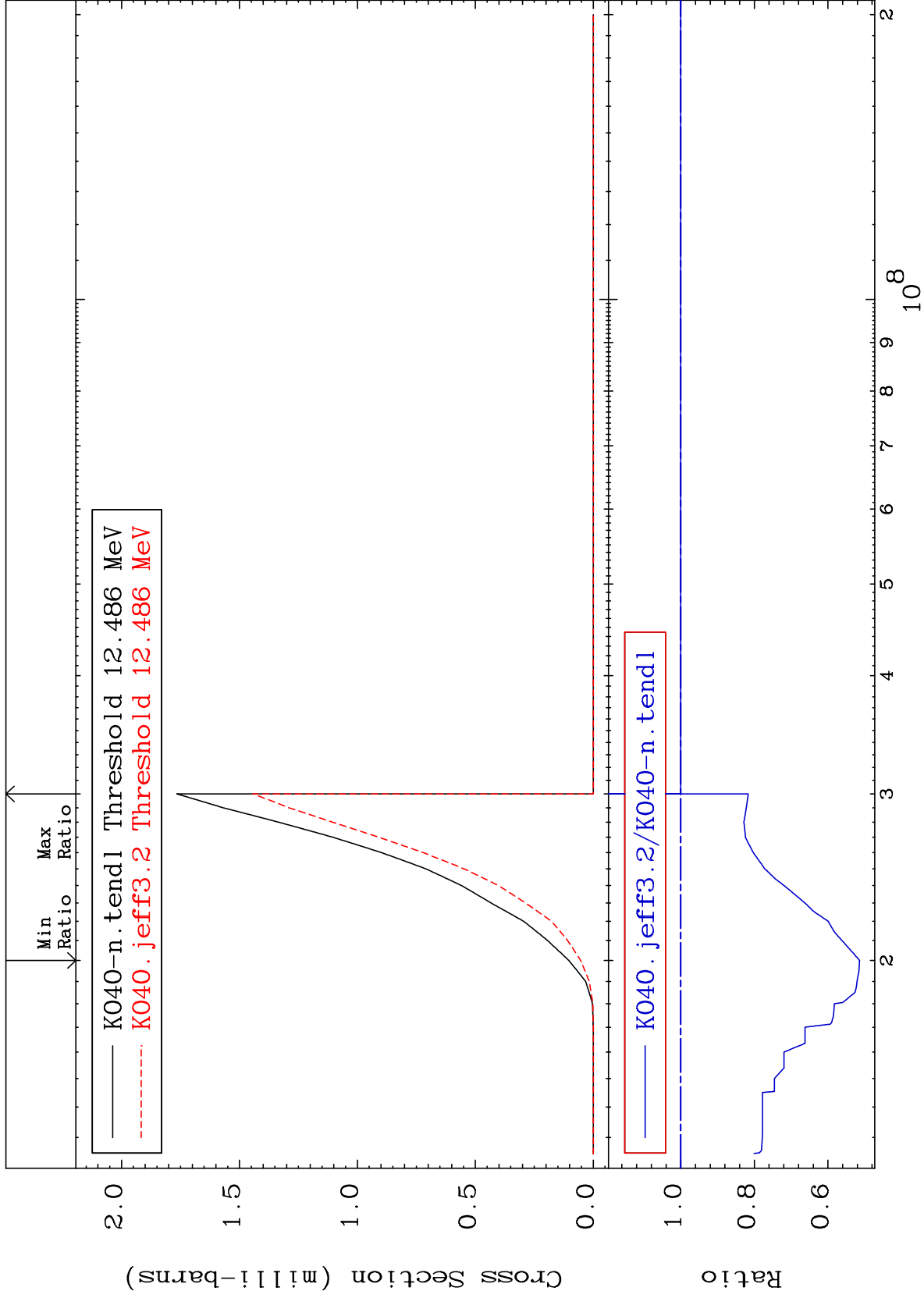
19-K -40
-43.03 To 0.000 %



MAT 1928

(n, d) α
Cross Section

19-K -40
-48.59 To 0.000 %



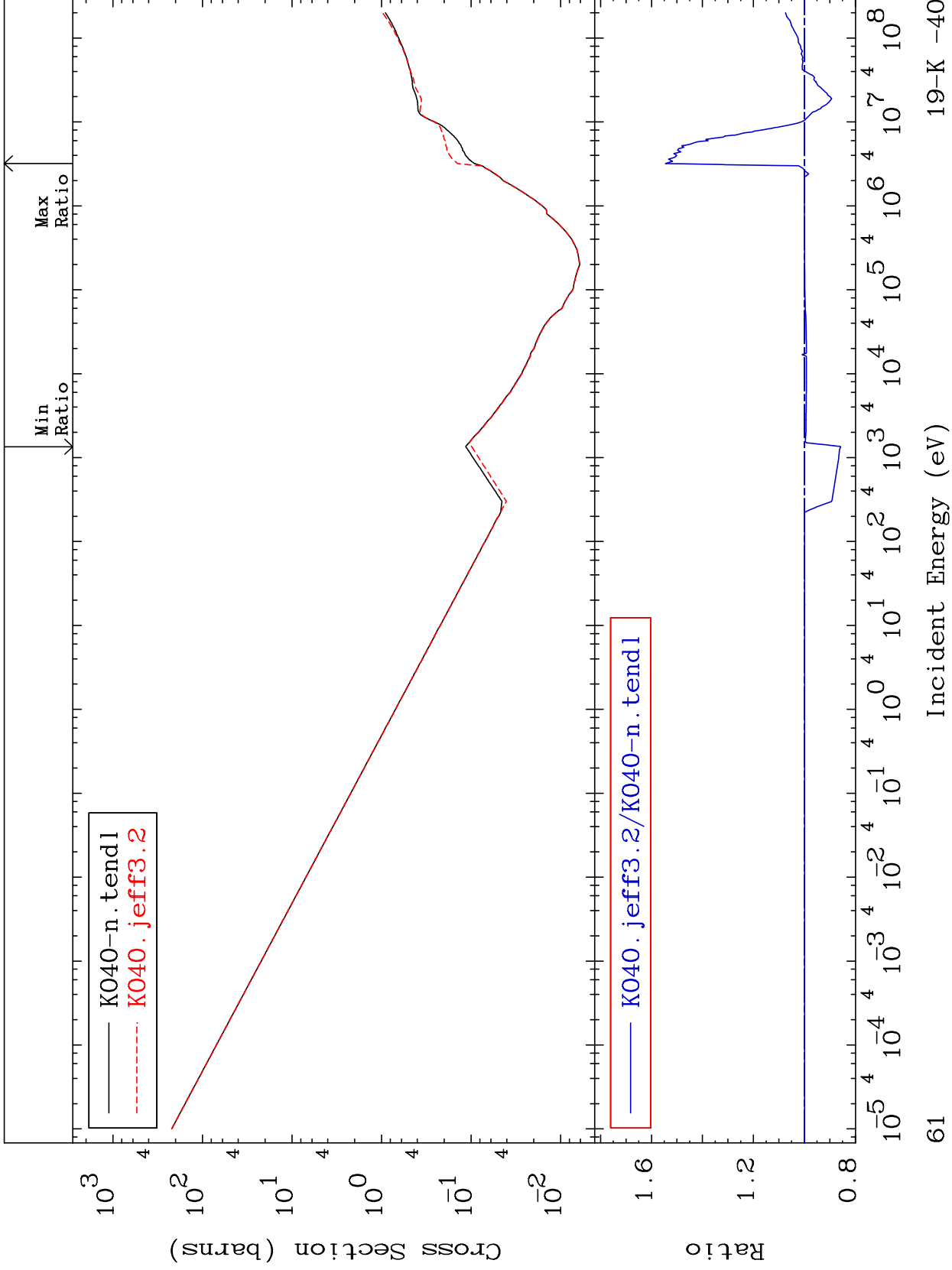
60

19-K -40

MAT 1928

Hydrogen Production Cross Section

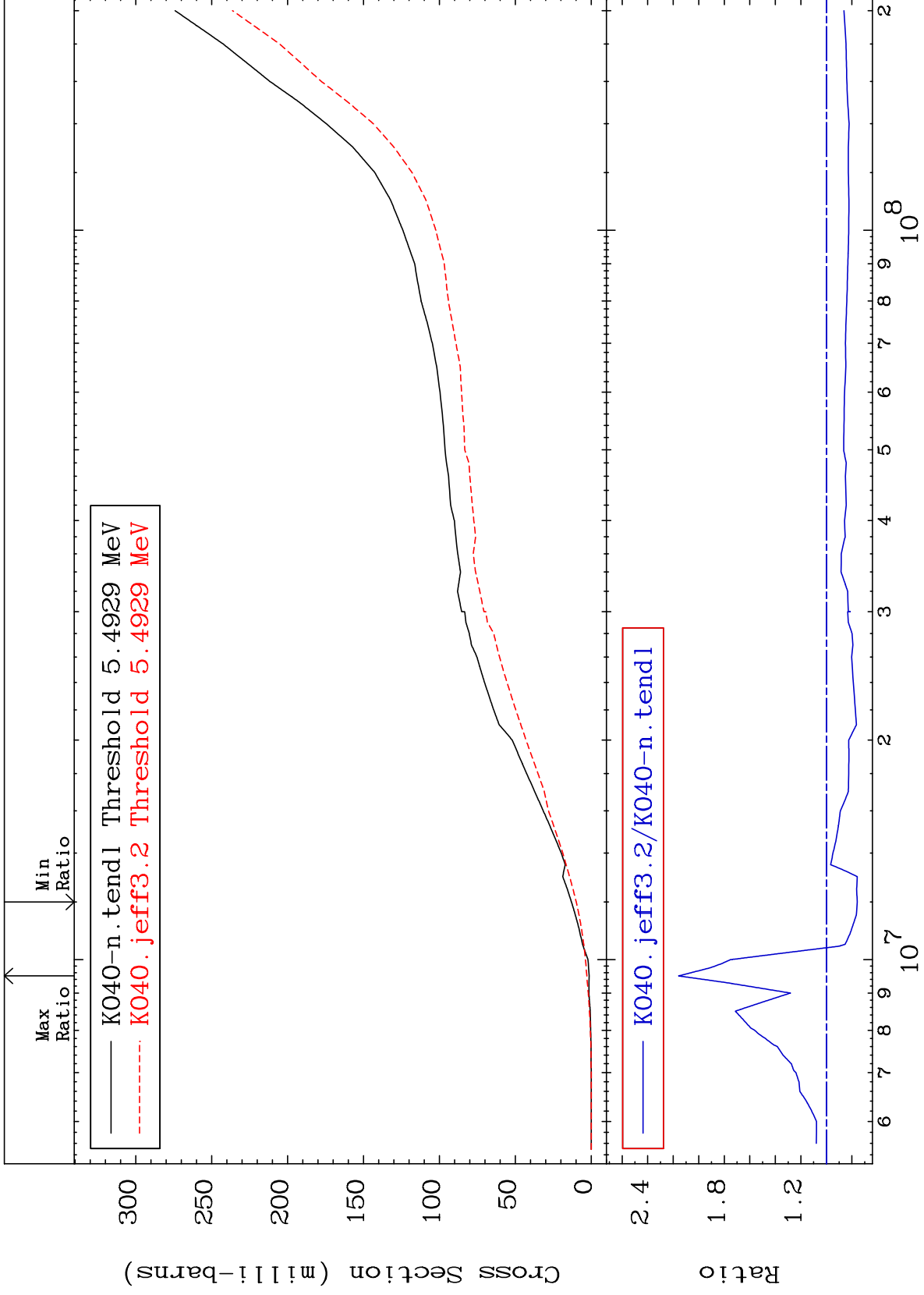
19-K -40
-14.26 To 54.50 %



MAT 1928

Deuterium Production Cross Section

19-K -40
-24.16 To 115.8 %



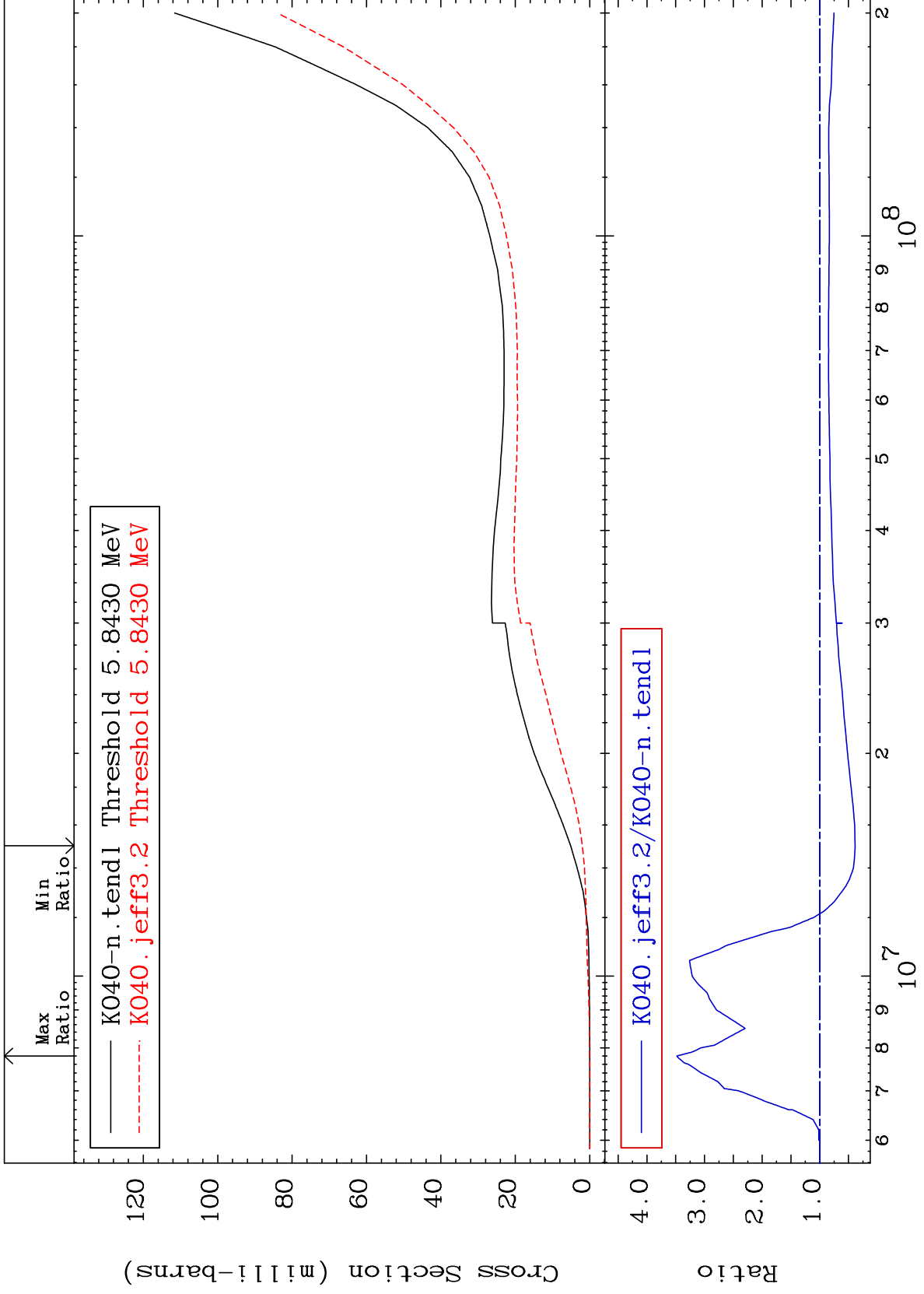
62

19-K -40

MAT 1928

Tritium Production
Cross Section

19-K -40
-61.40 To 247.9 %



63

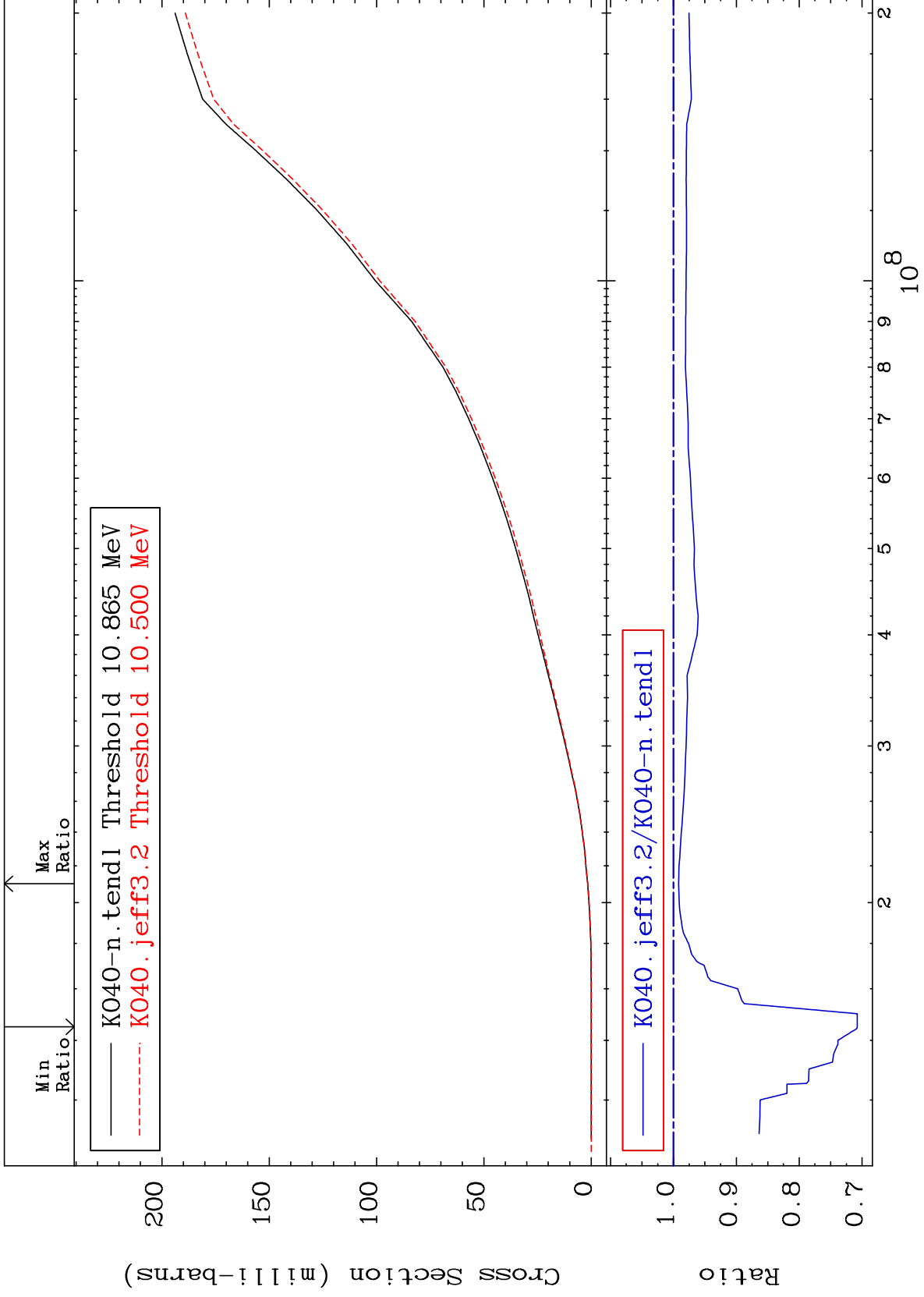
Incident Energy (eV)

19-K -40

MAT 1928

He-3 Production
Cross Section

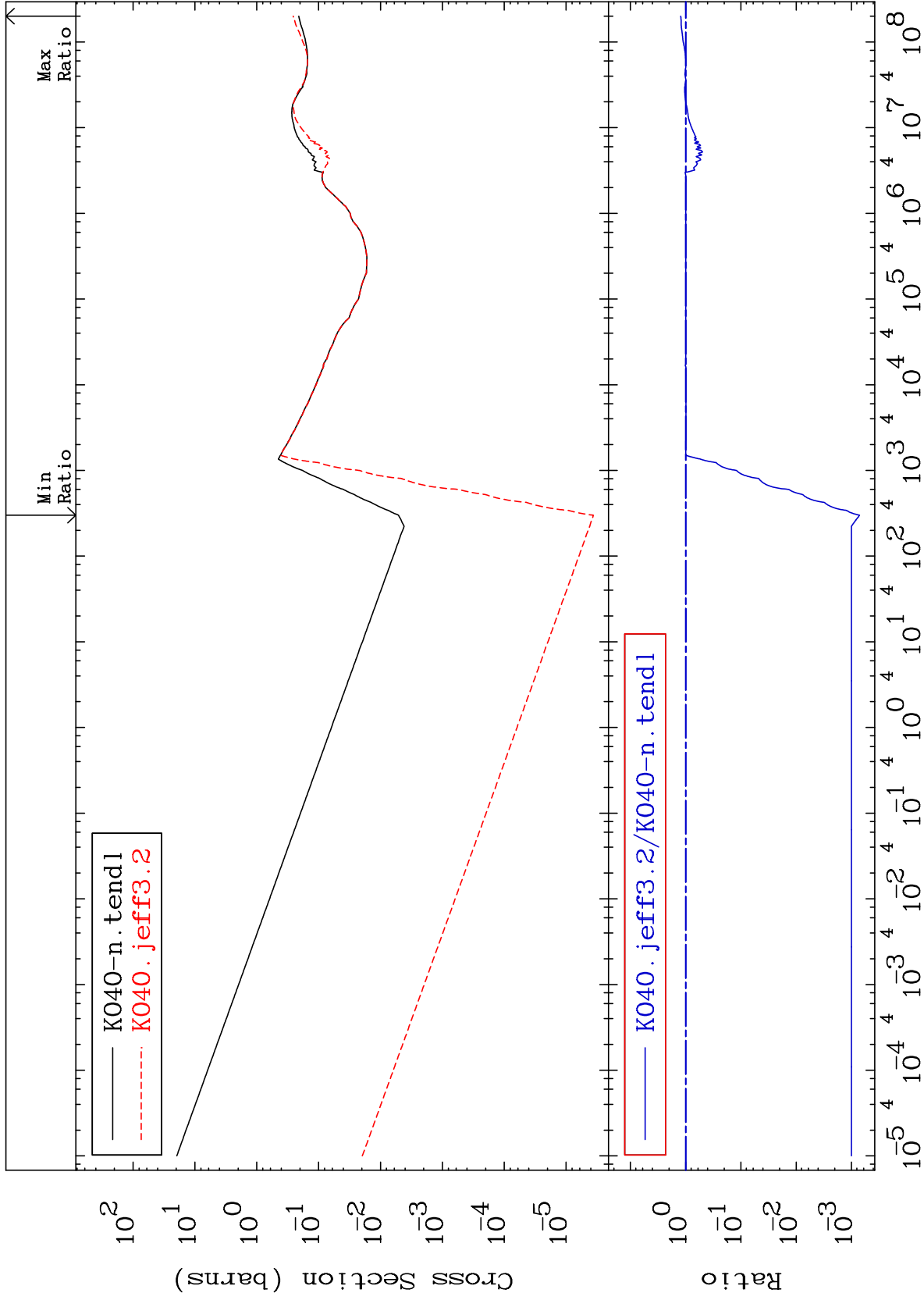
19-K -40
-29.23 To -0.830%



MAT 1928

He-4 Production
Cross Section

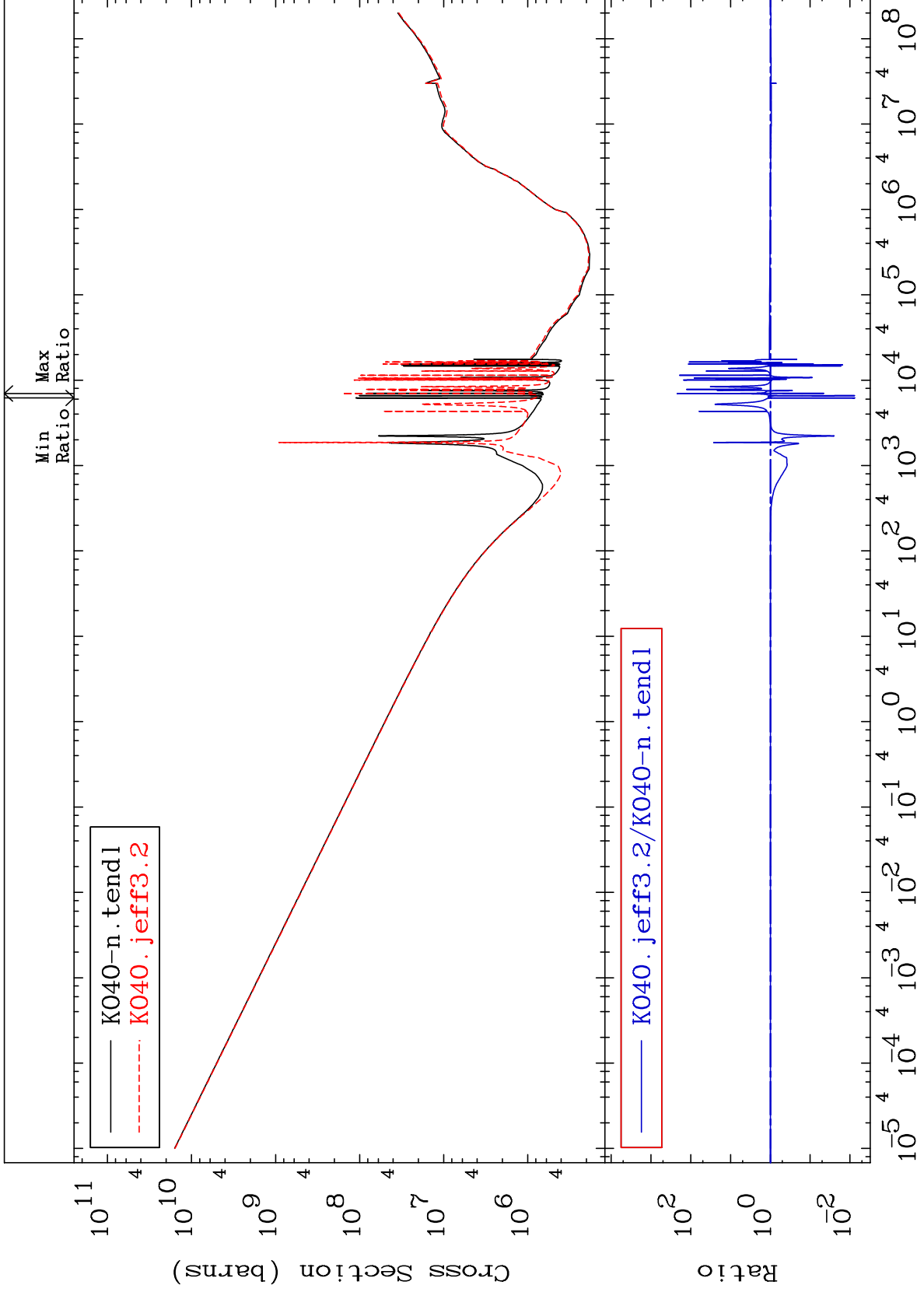
19-K -40
-99.93 To 22.76 %

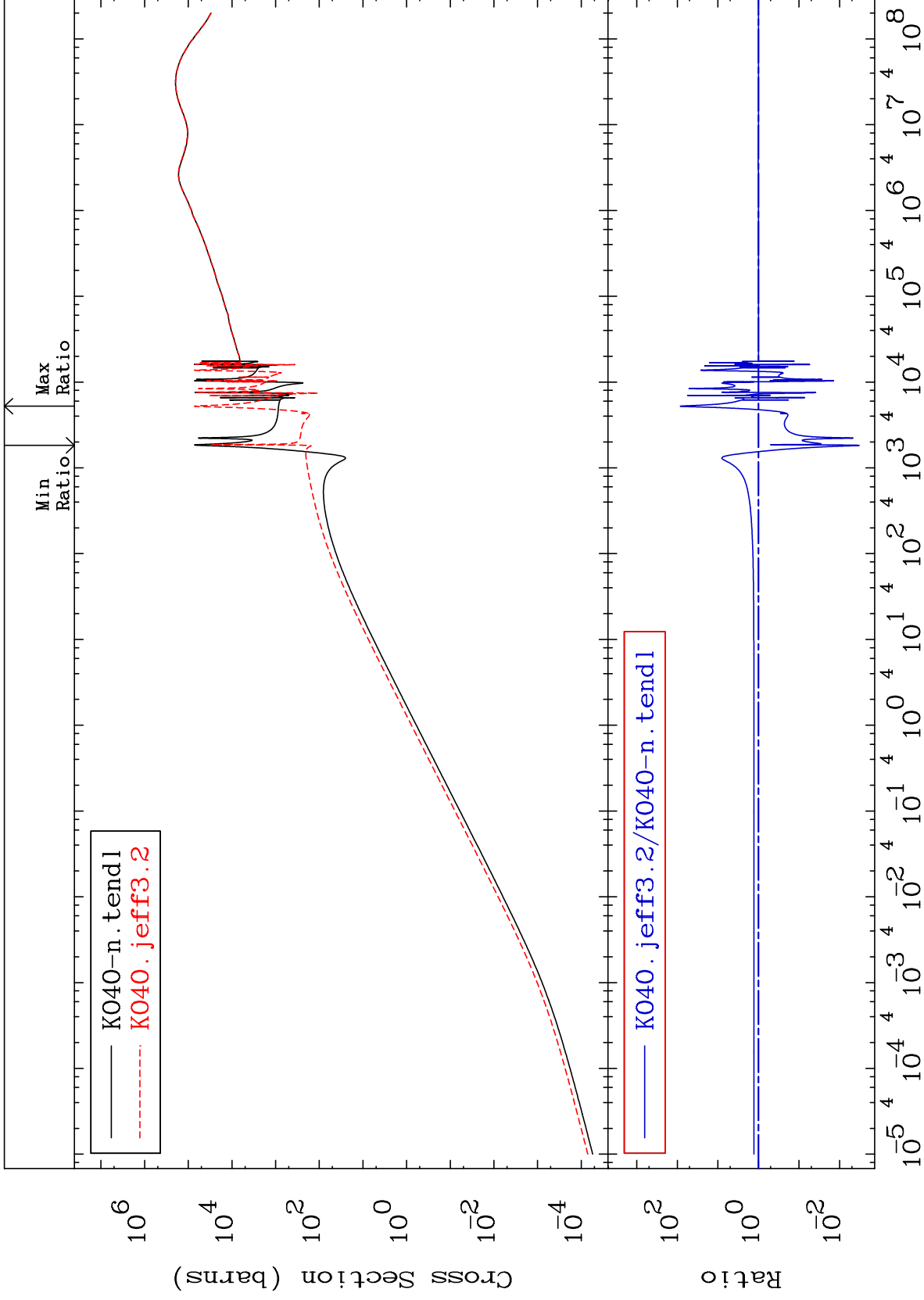


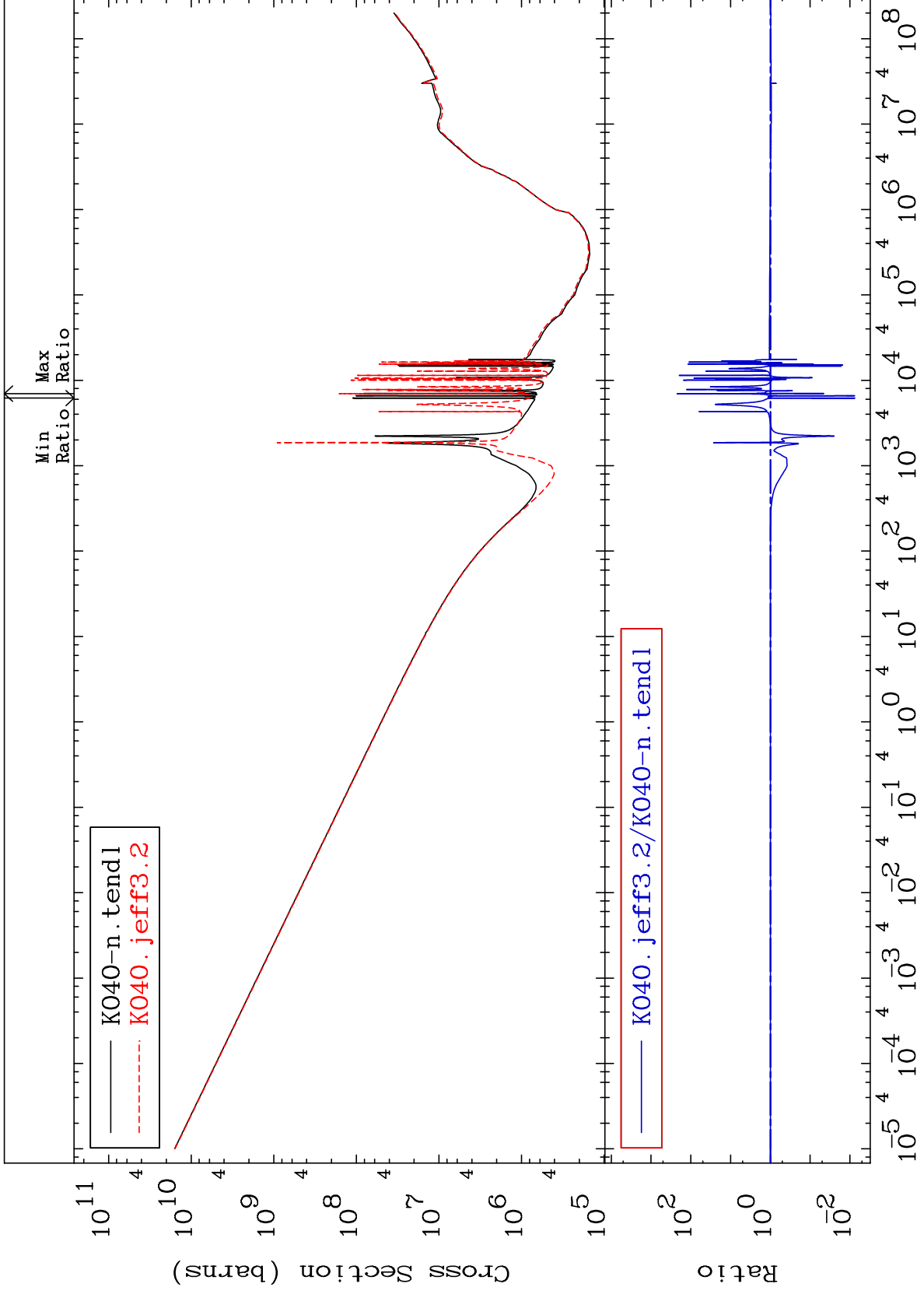
65

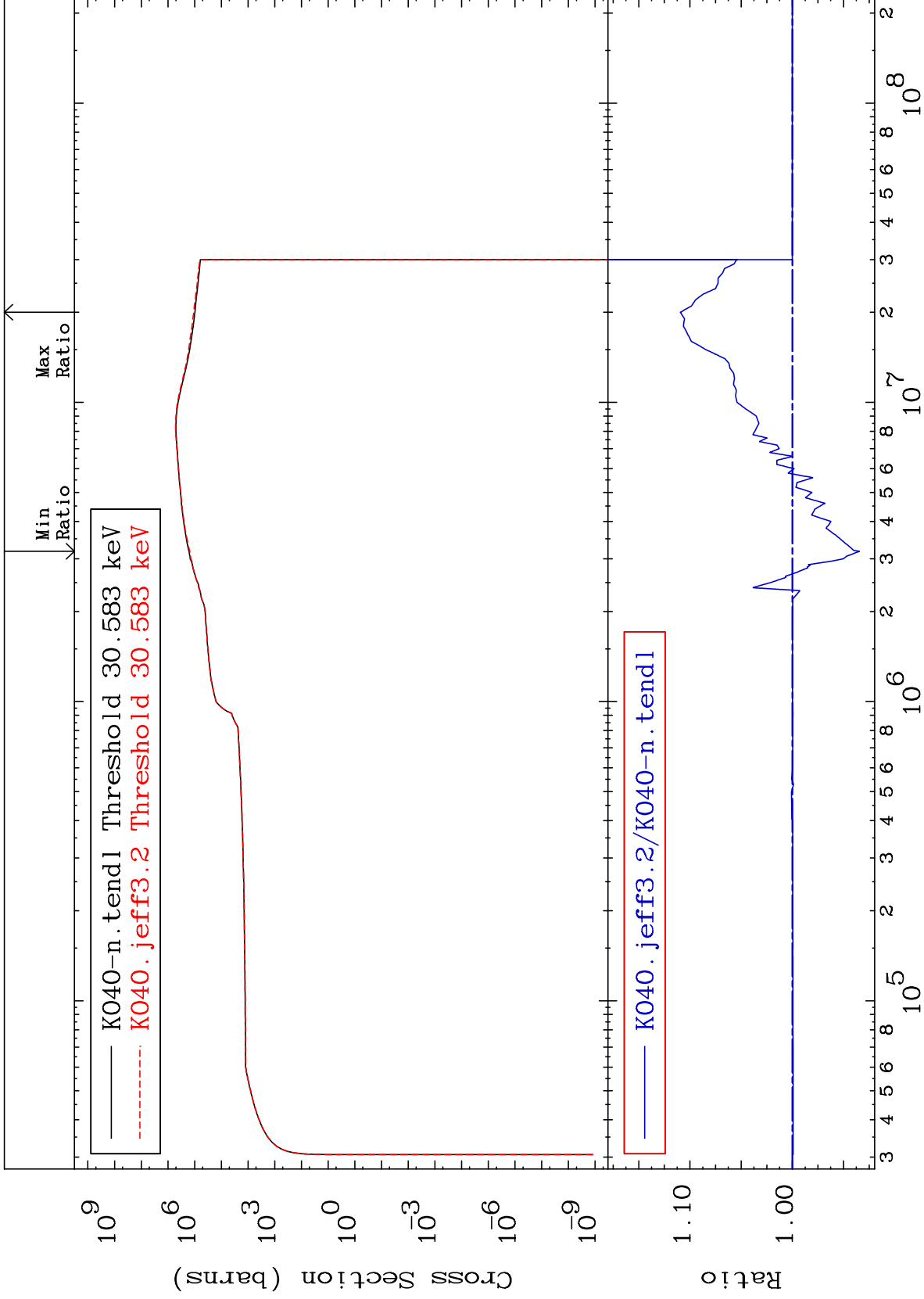
Incident Energy (eV)

19-K -40





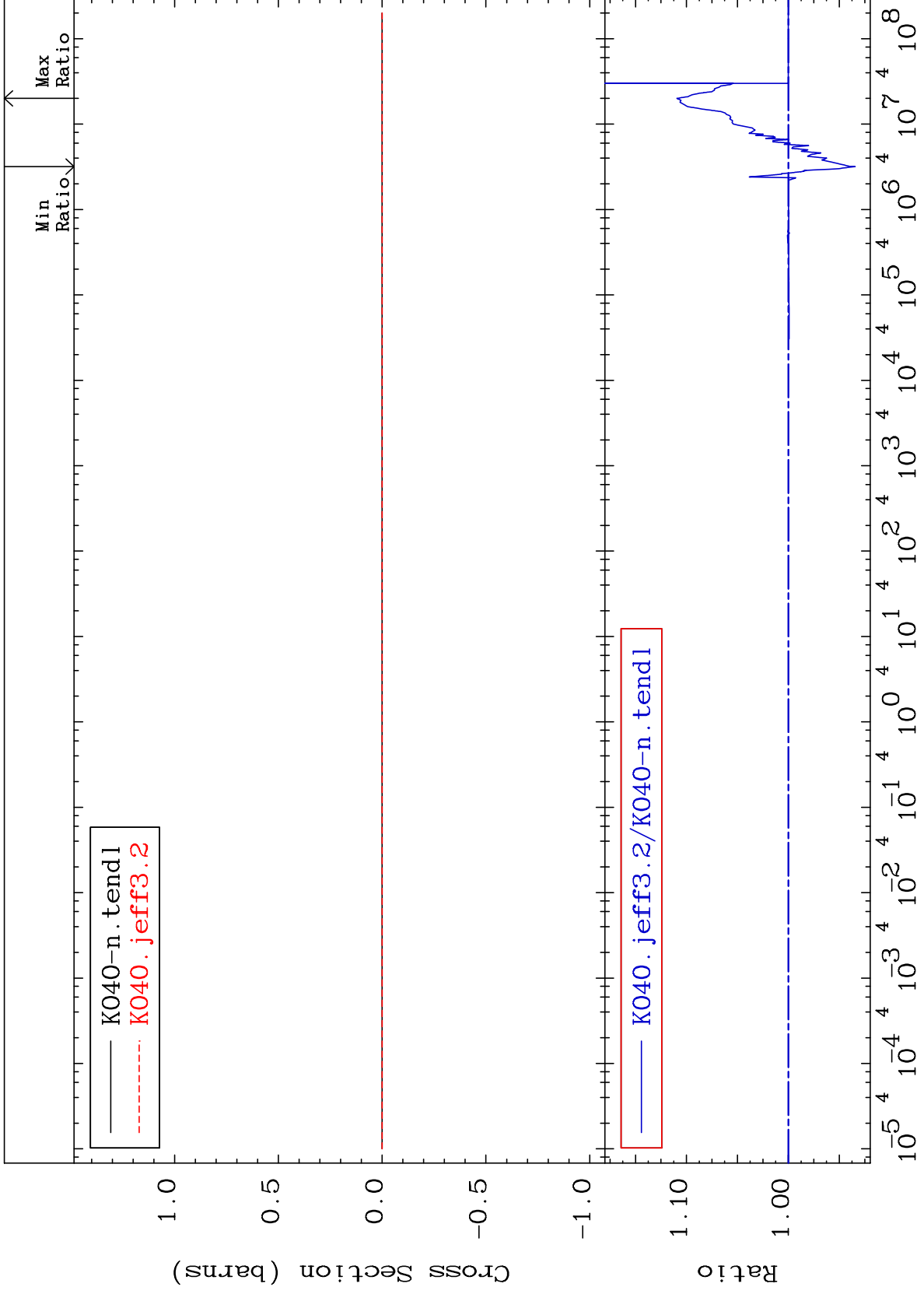




MAT 1928

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

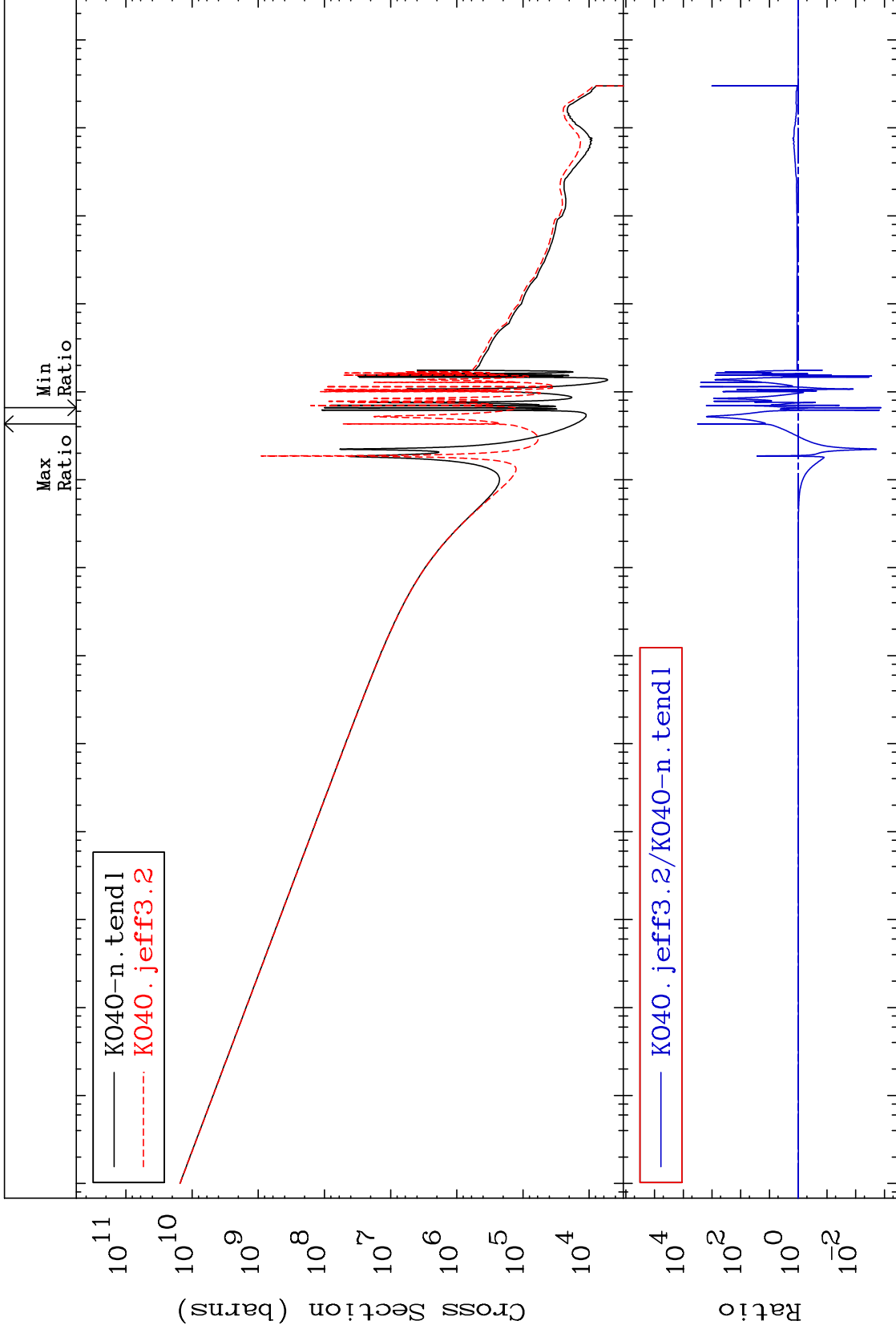
19-K -40
-6.551 To 10.94 %

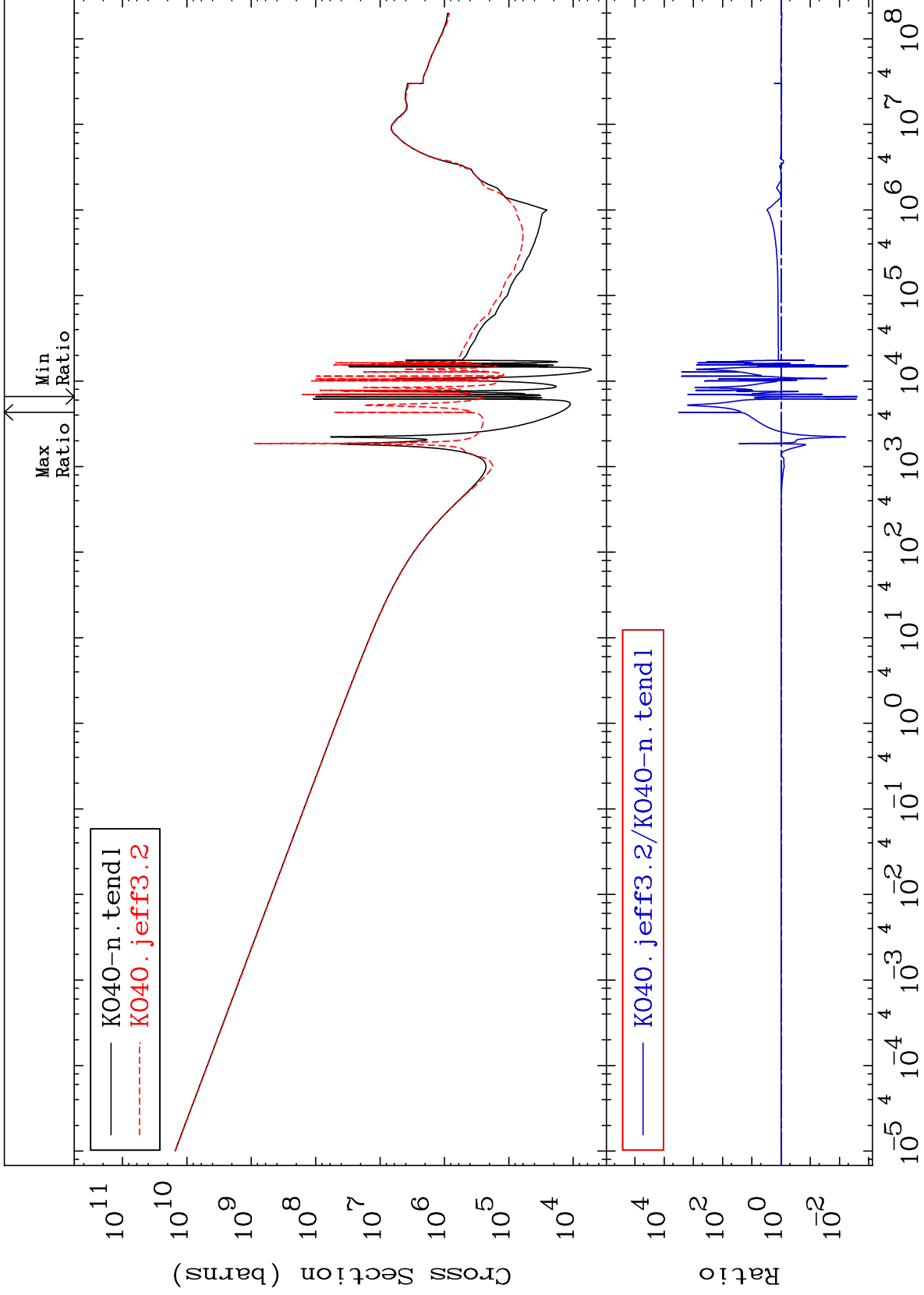


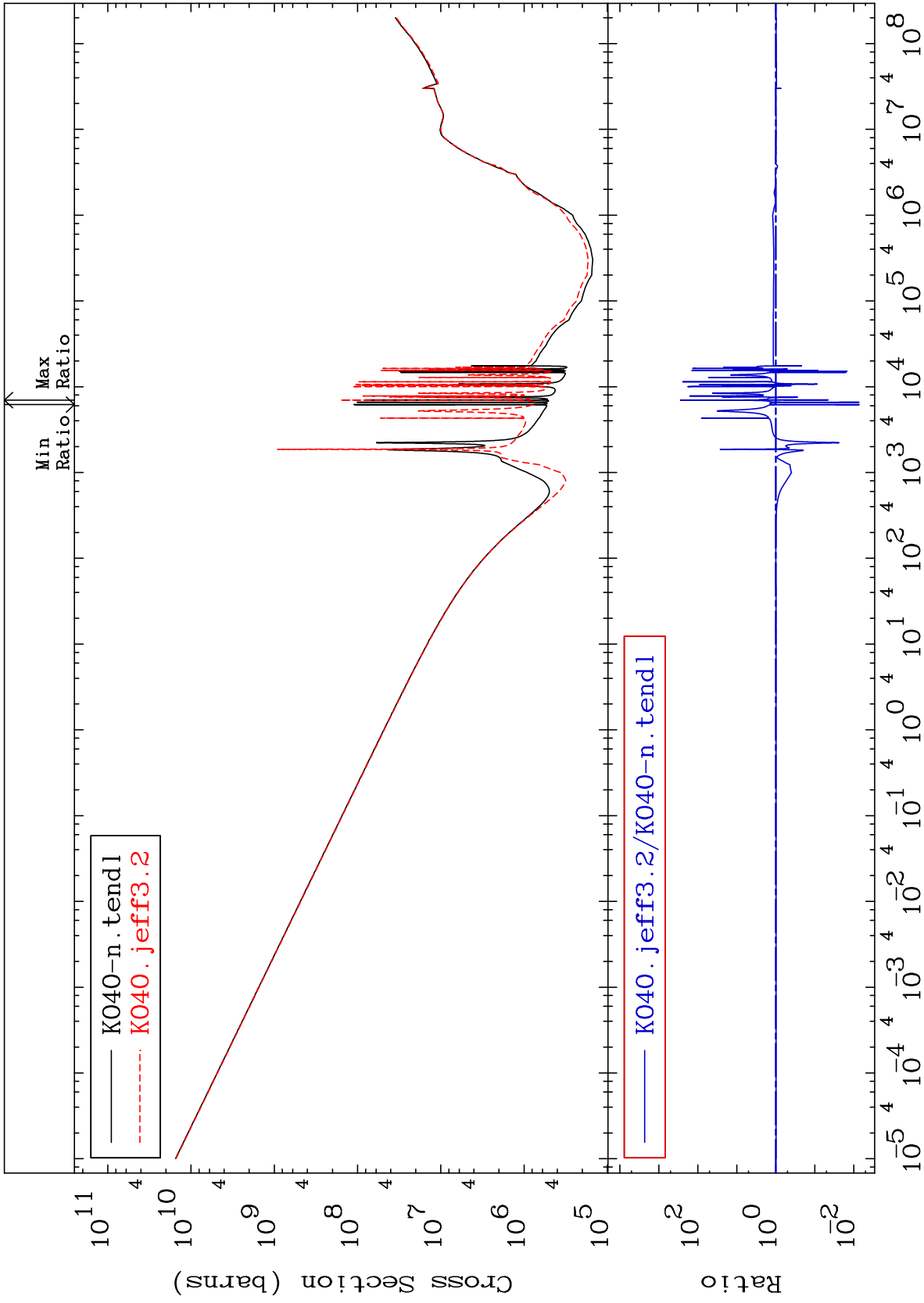
70

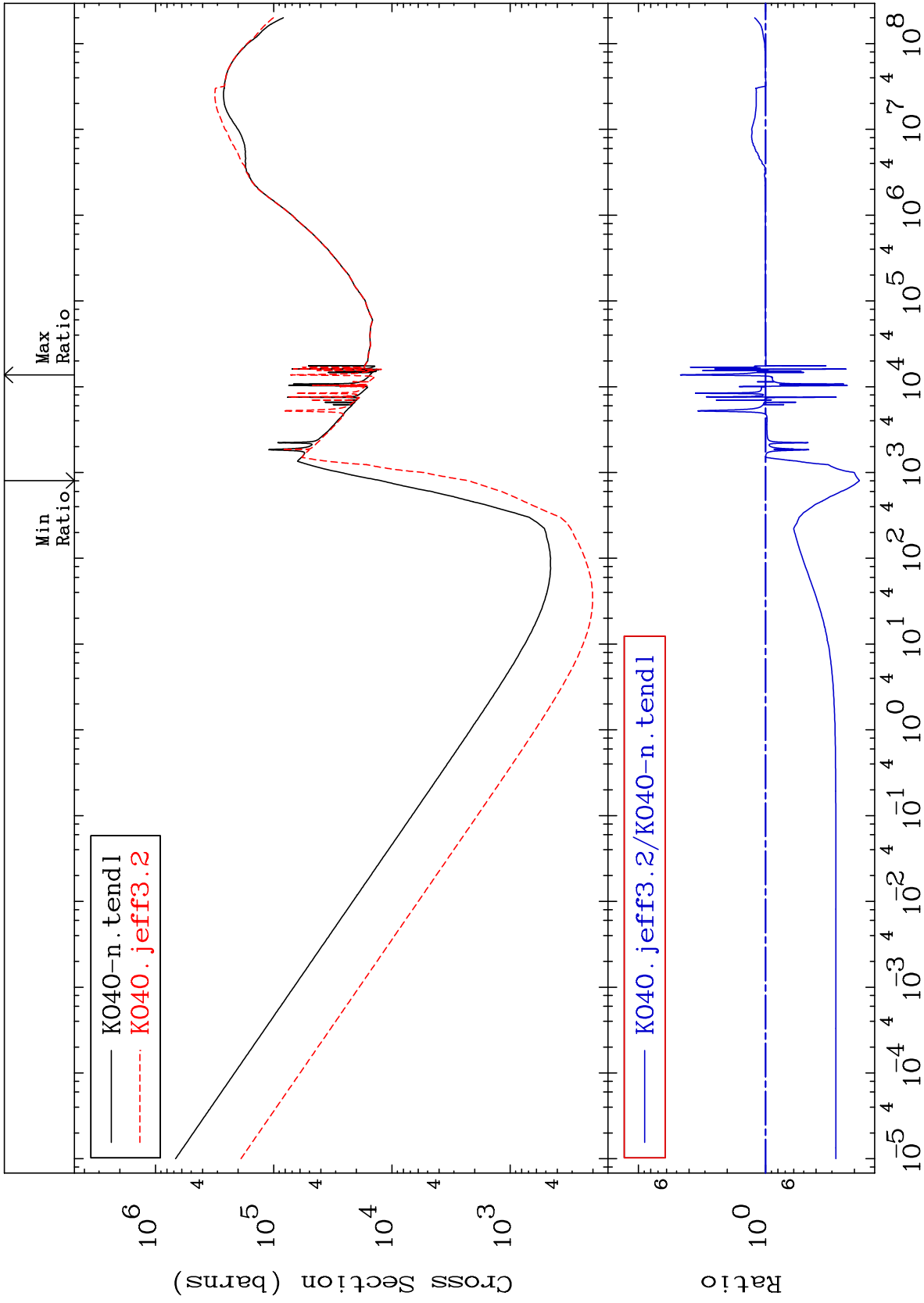
Incident Energy (eV)

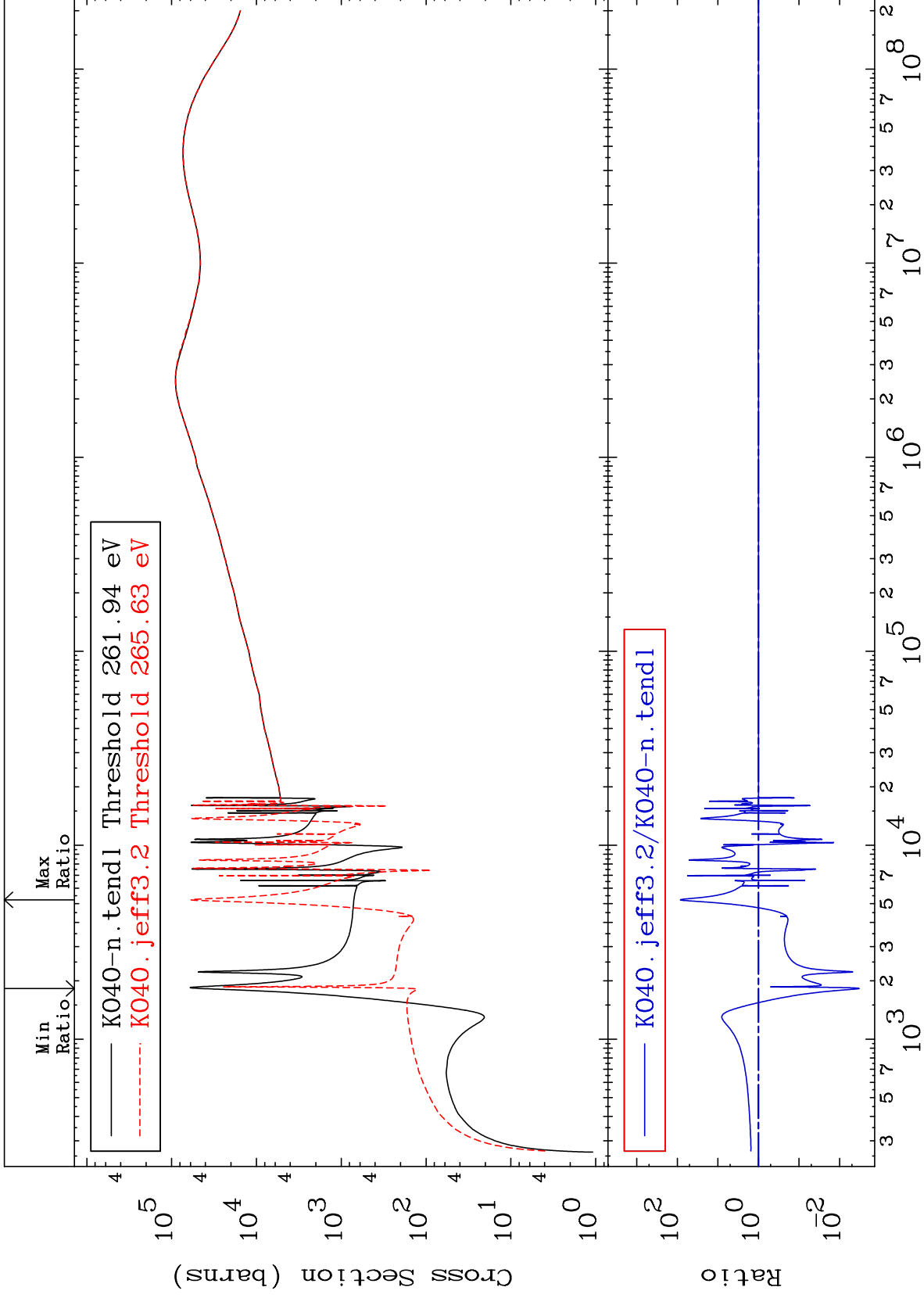
19-K -40

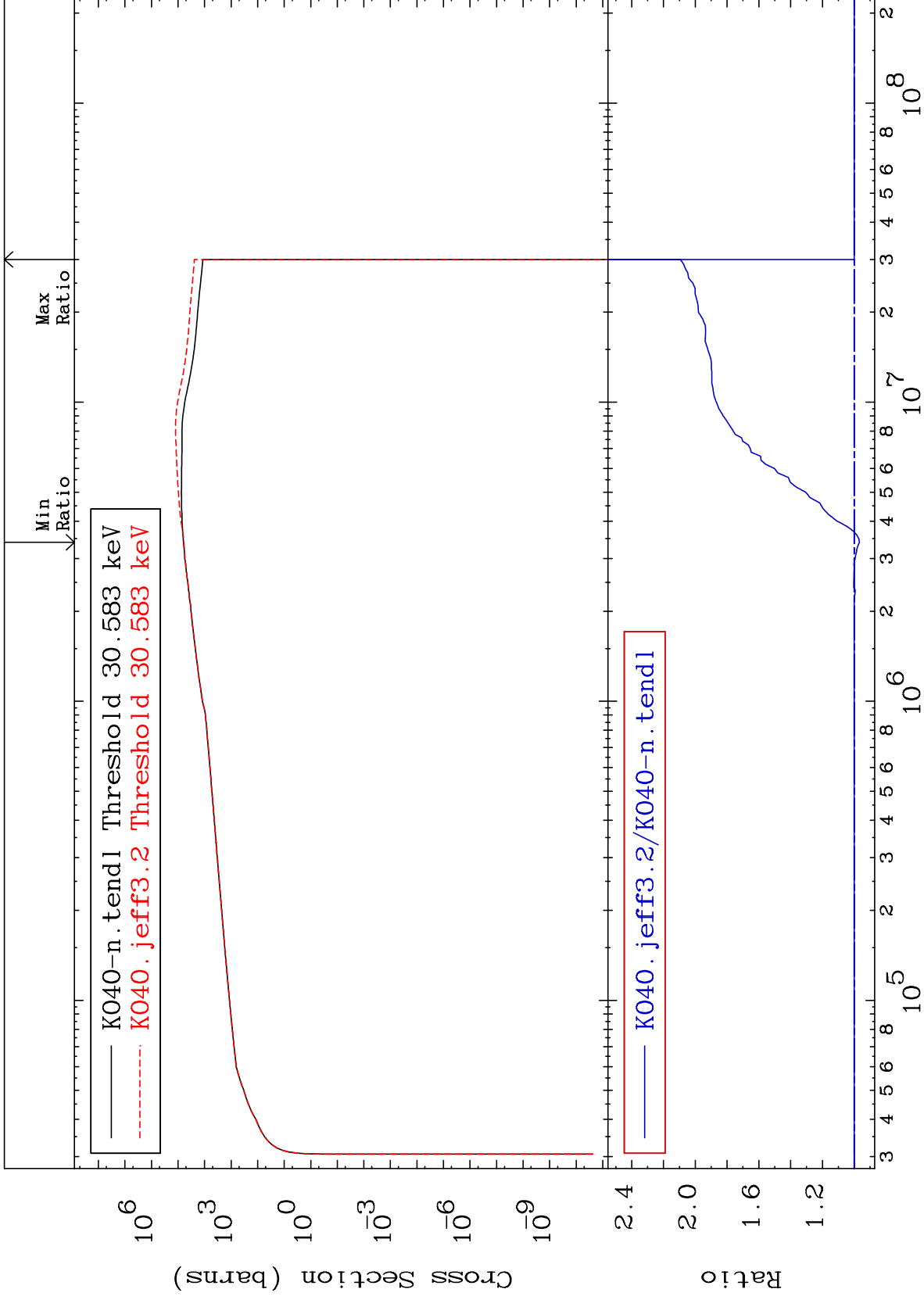


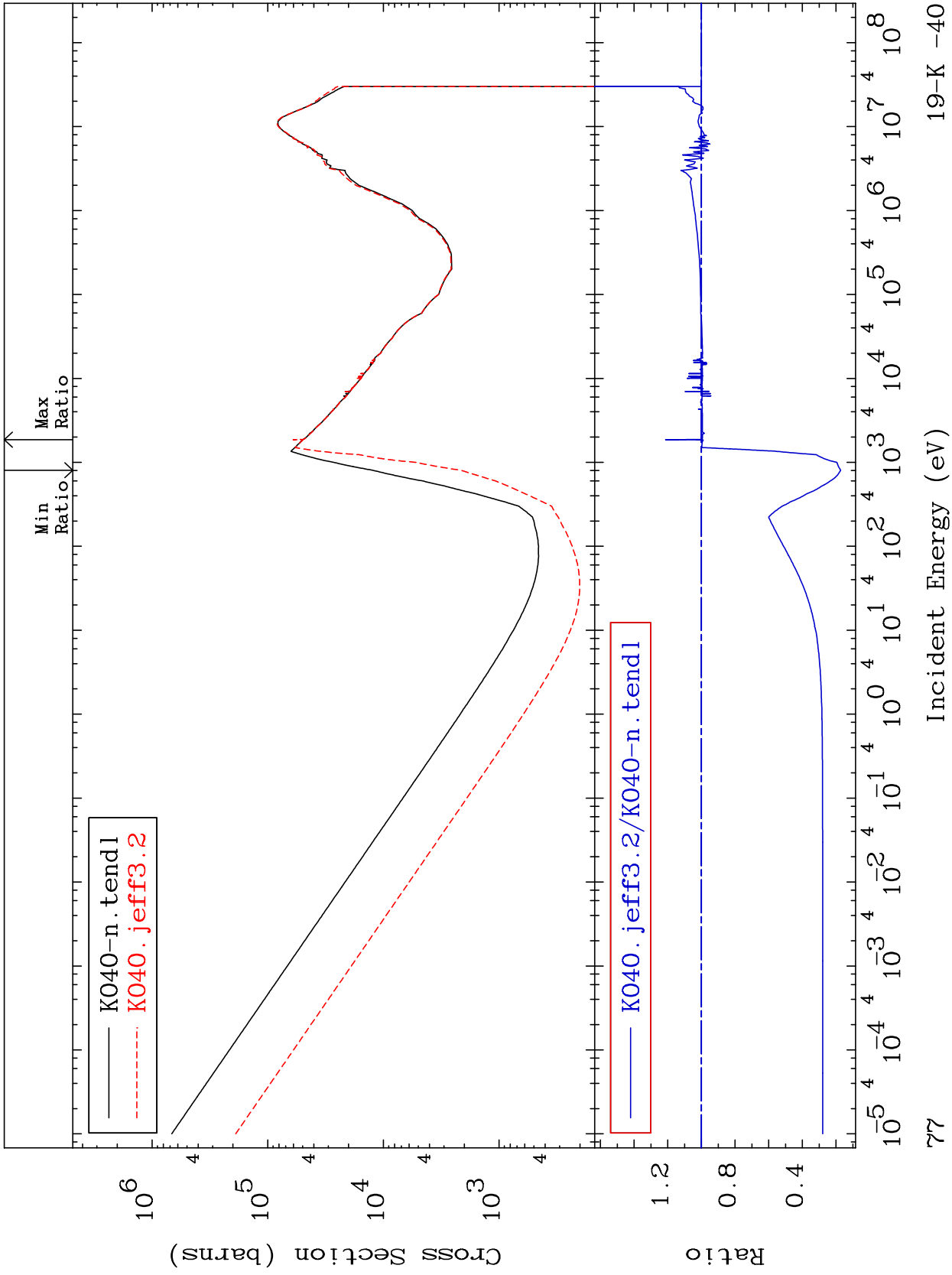










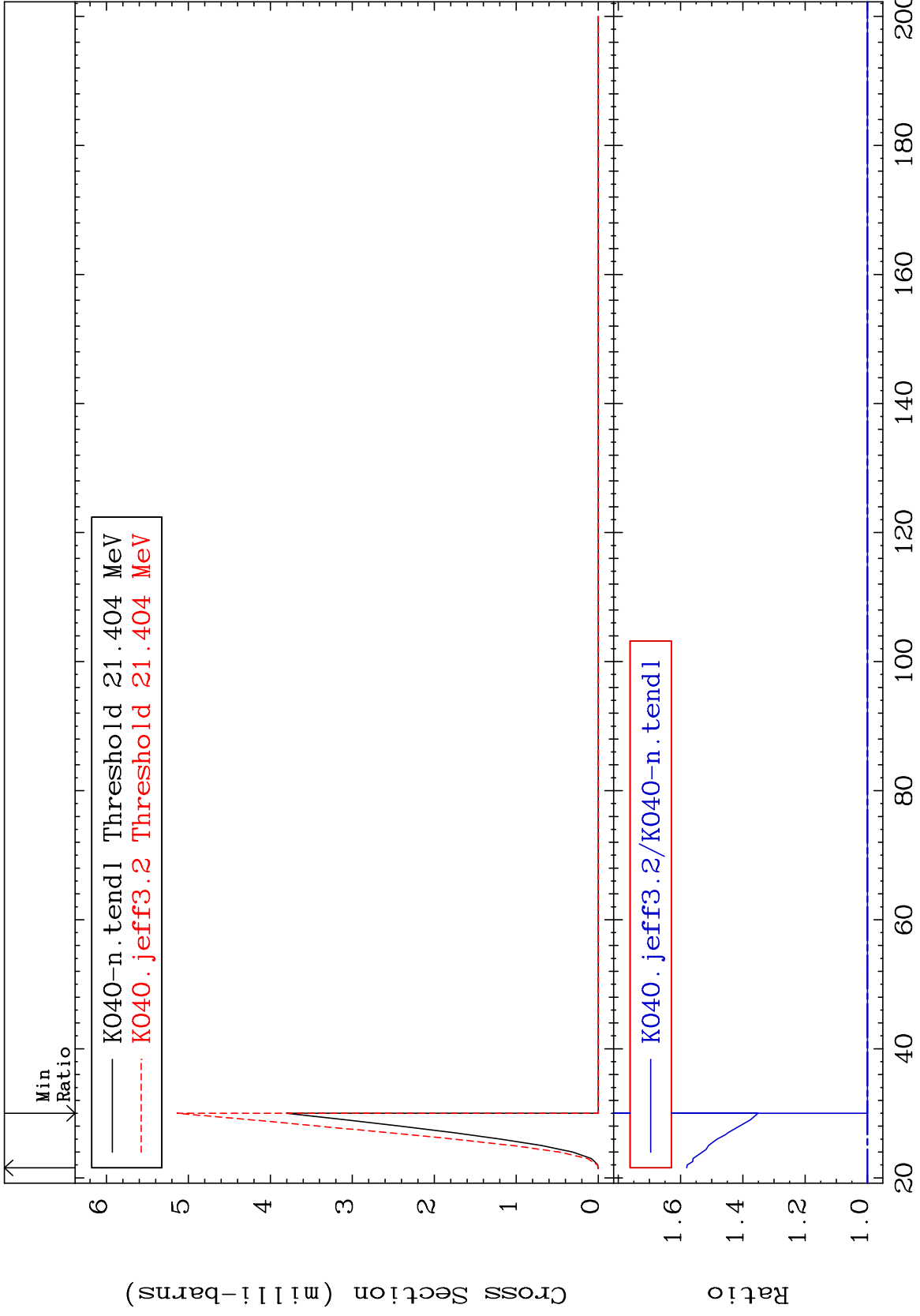


MAT 1928

(n,3n): 19-K -38g

19-K -40

Radionuclide Production Cross Section 0.000 To 58.03 %



78

Incident Energy (MeV)

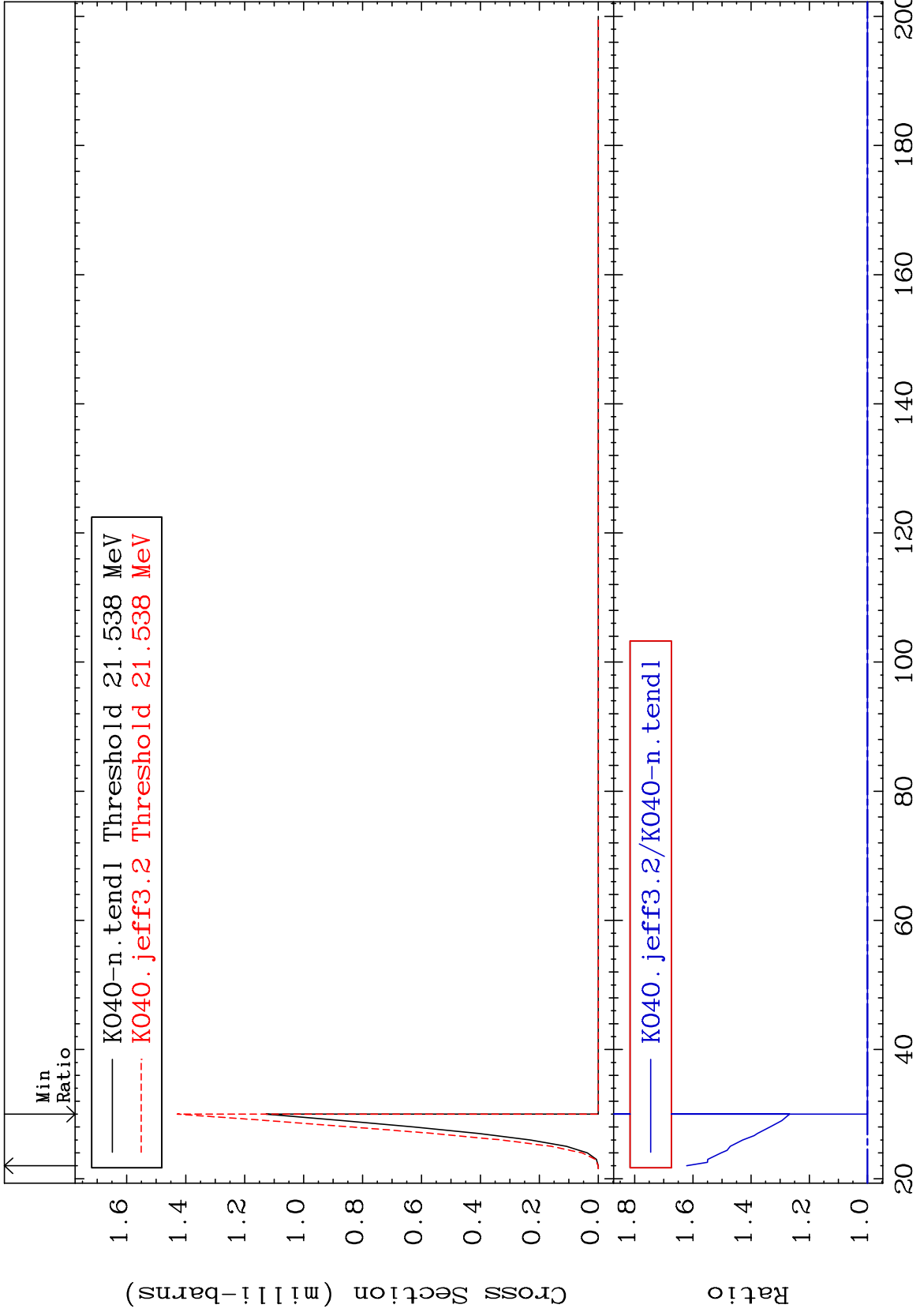
19-K -40

MAT 1928

(n,3n):19-K -38m1

19-K -40

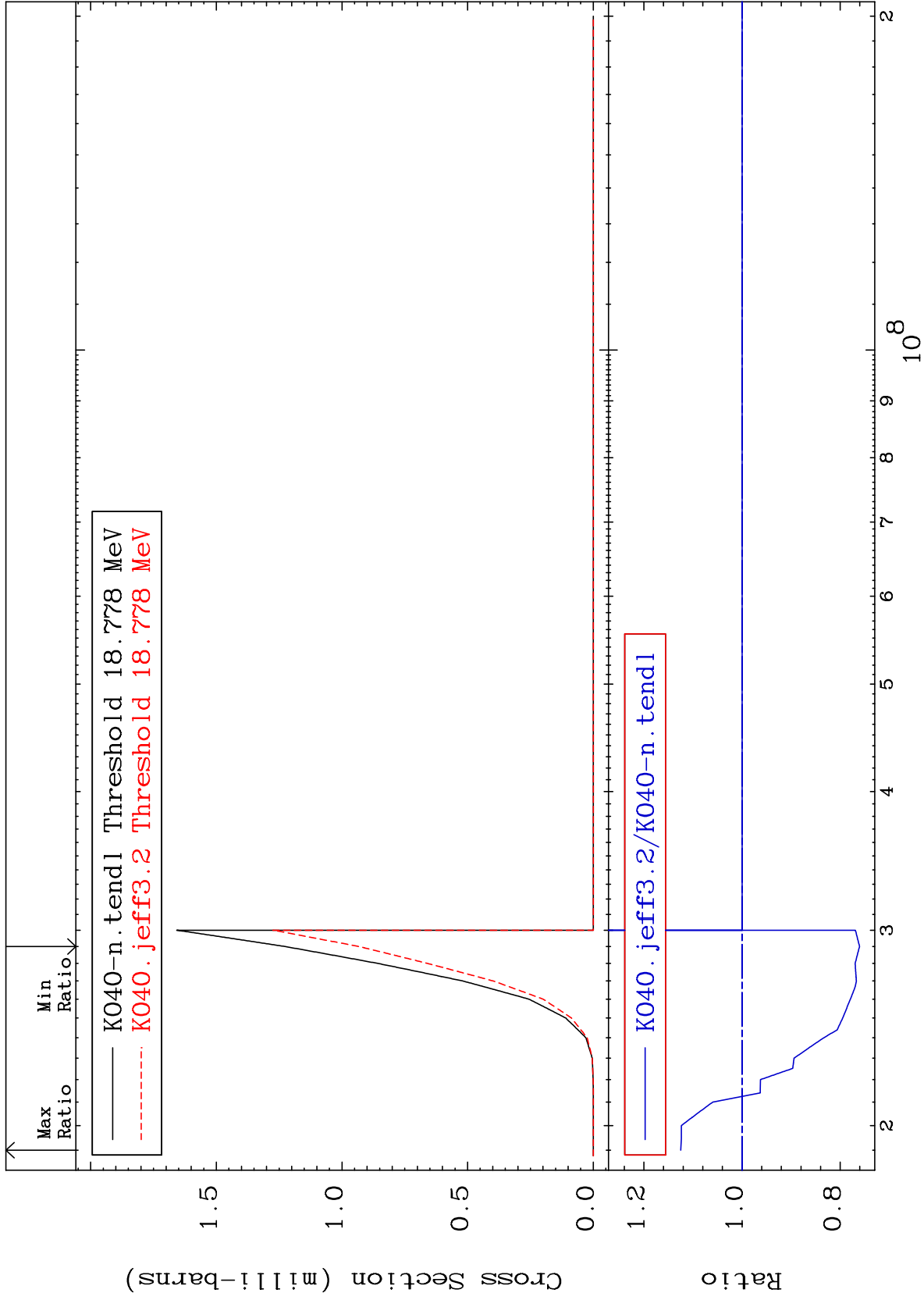
Radionuclide Production Cross Section 0.000 To 62.12 %



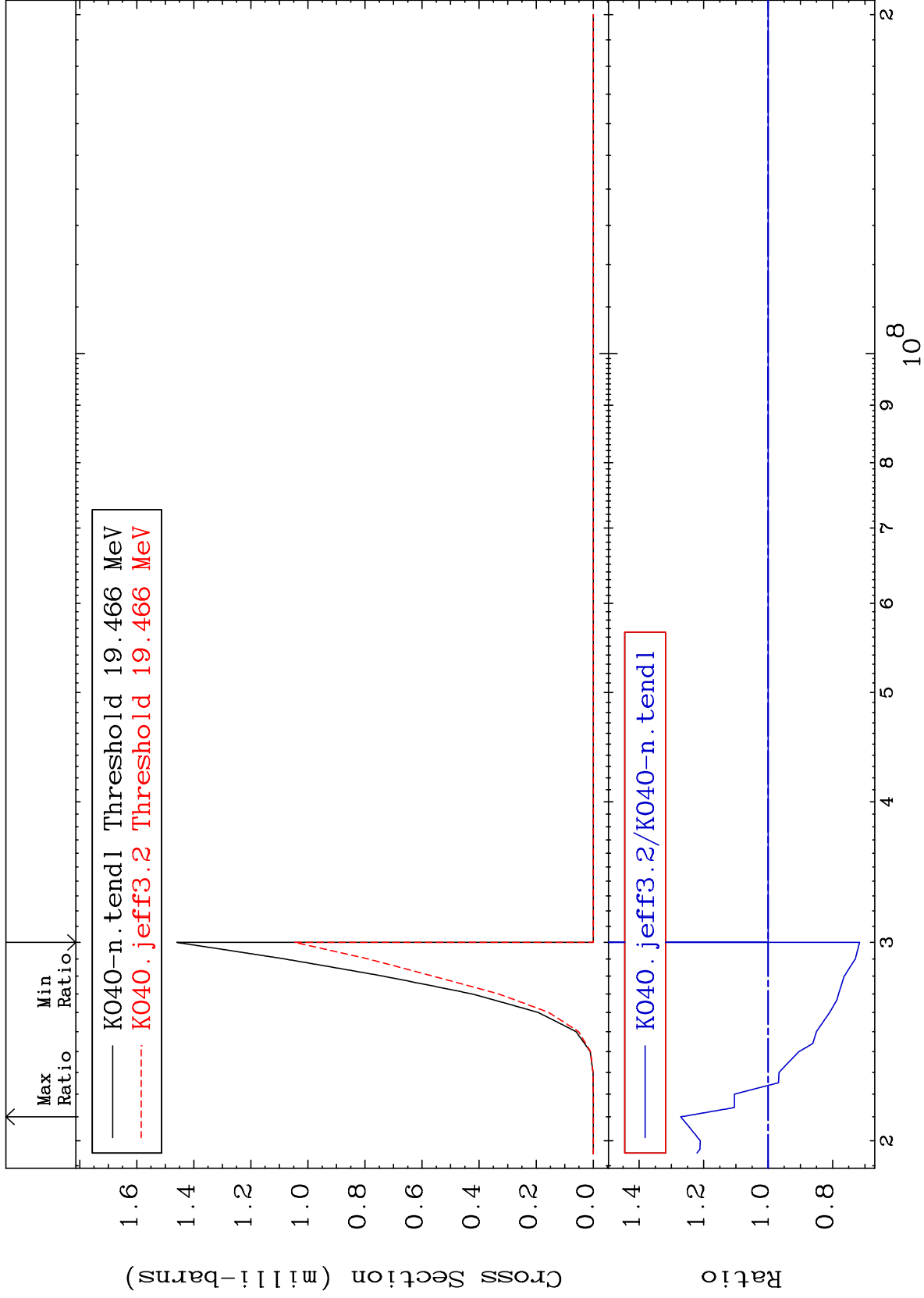
79

Incident Energy (MeV)

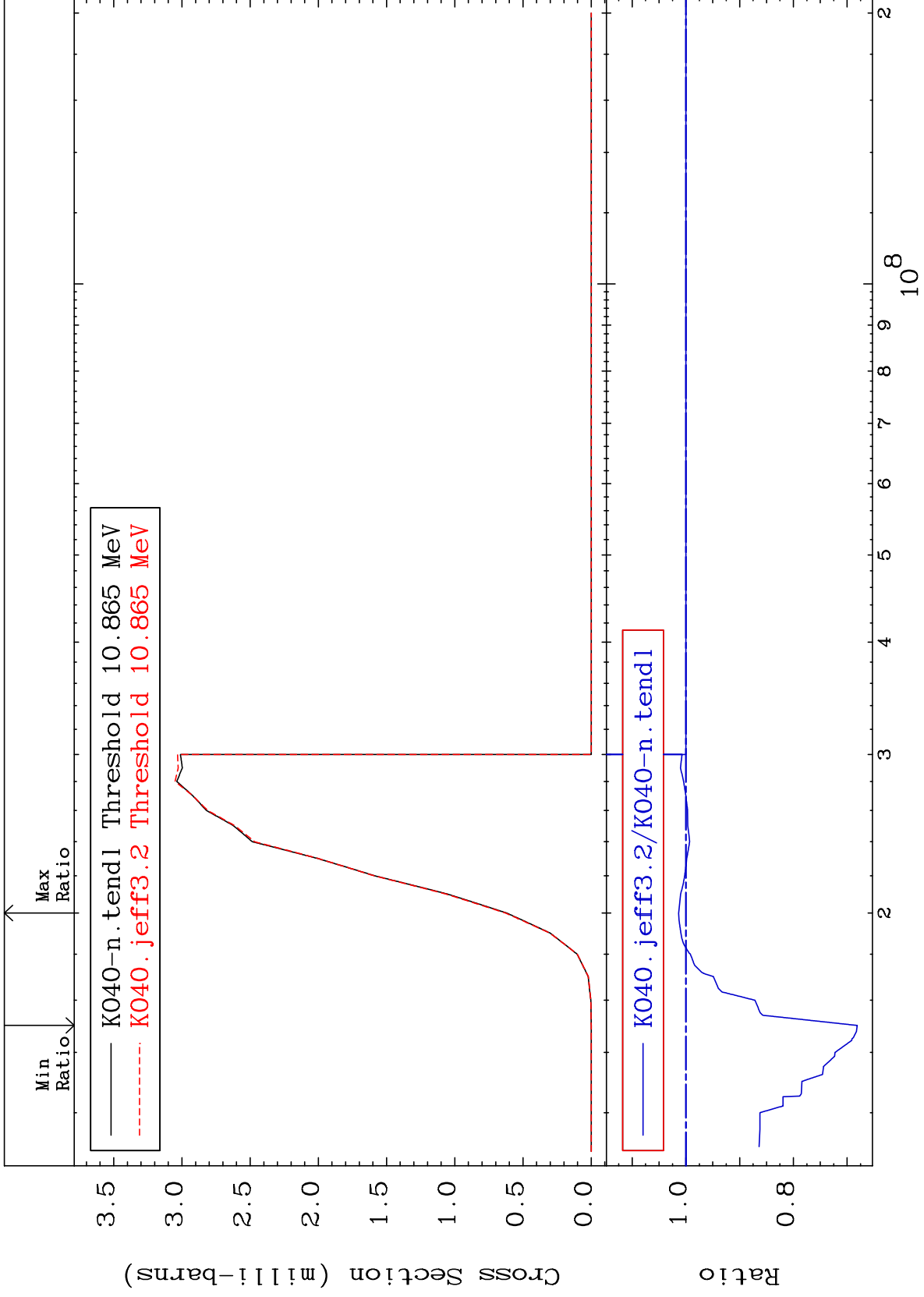
19-K -40



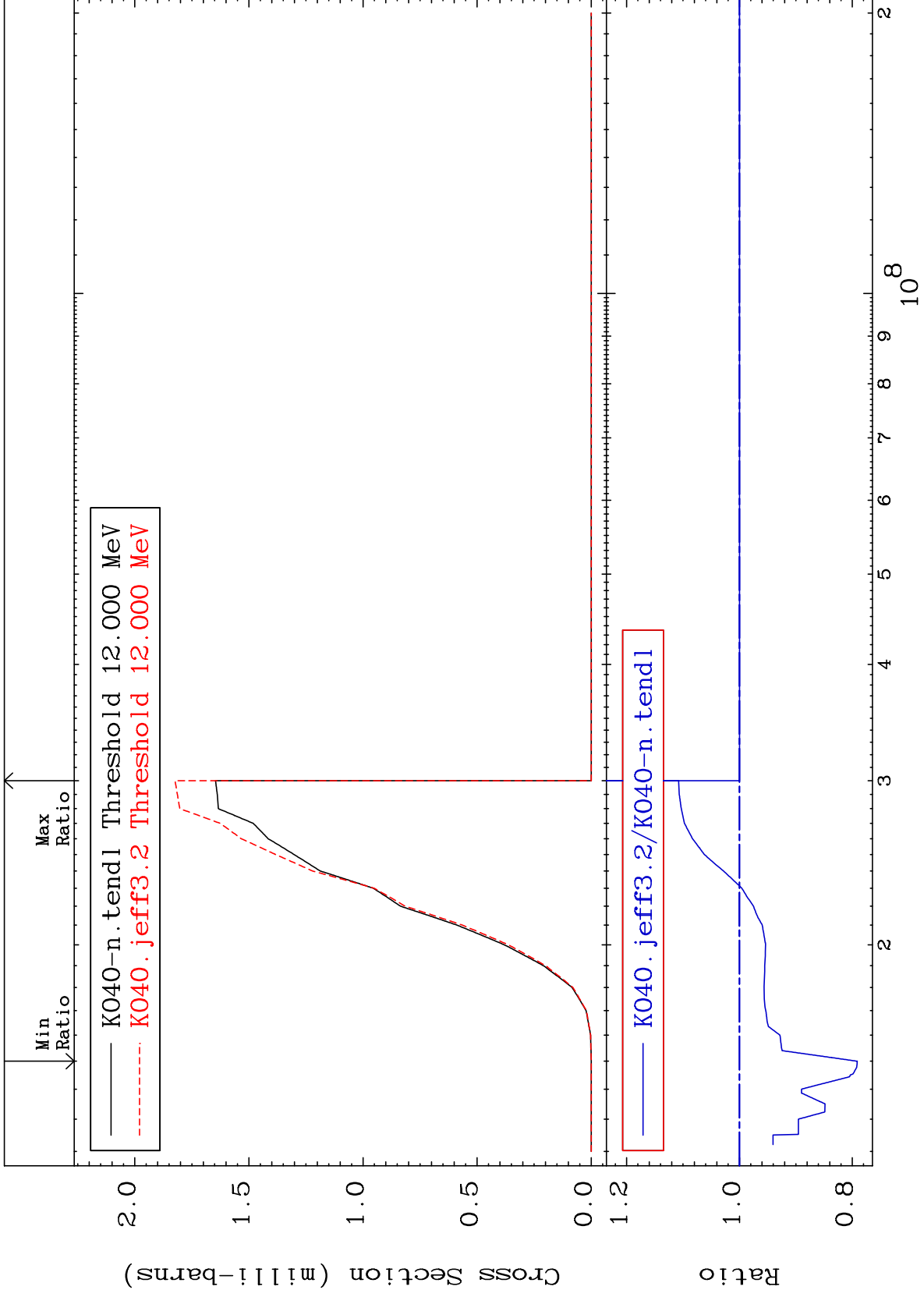
Radionuclide Production Cross Section -28.34 To 27.10 %



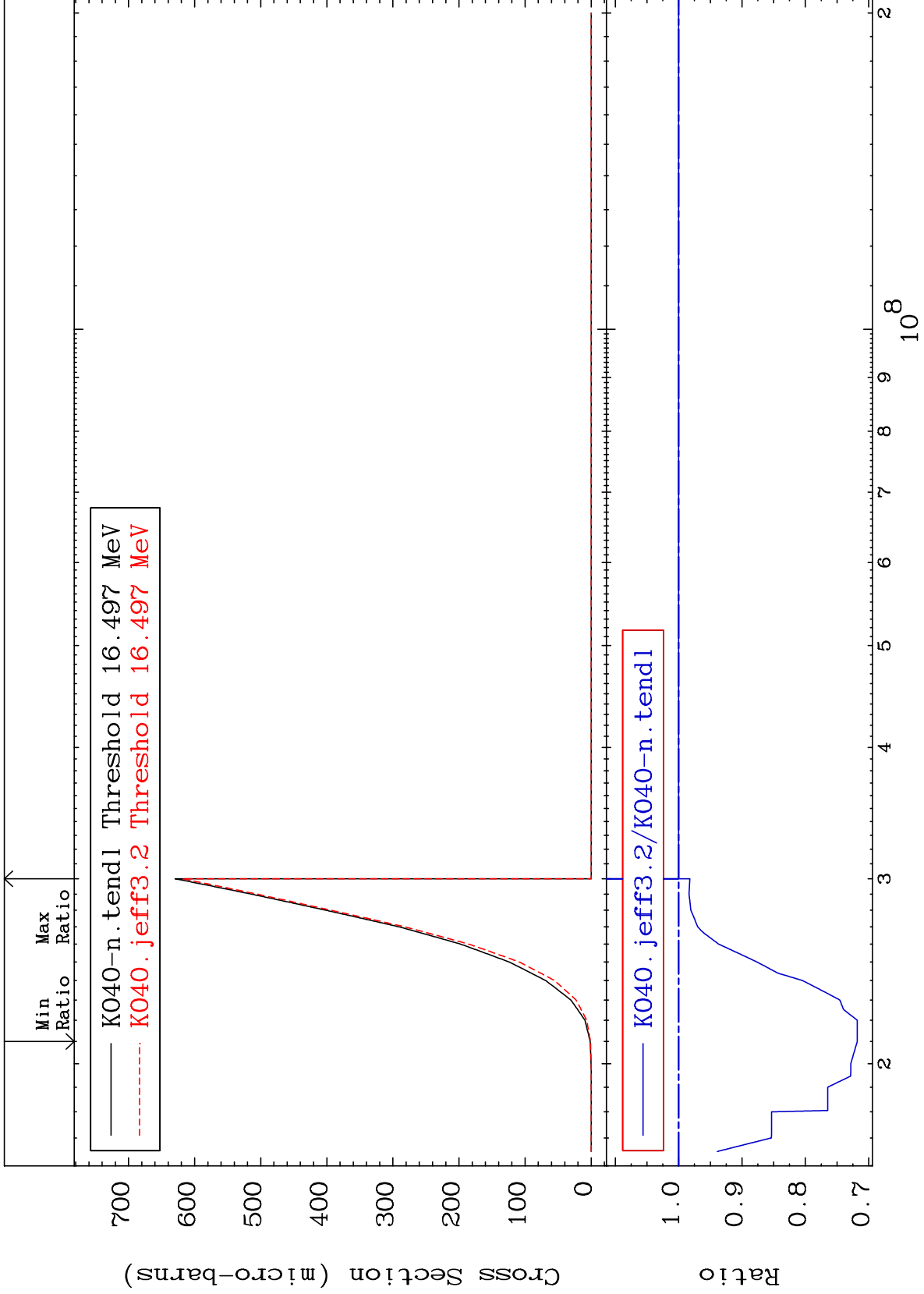
(n,He-3):17-Cl-38g
Radionuclide Production Cross Section -31.88 To 1.354 %



Radionuclide Production Cross Section -20.88 To 10.78 %



Radionuclide Production Cross Section -28.19 To 0.000 %



Radionuclide Production Cross Section -26.32 To 0.000 %

