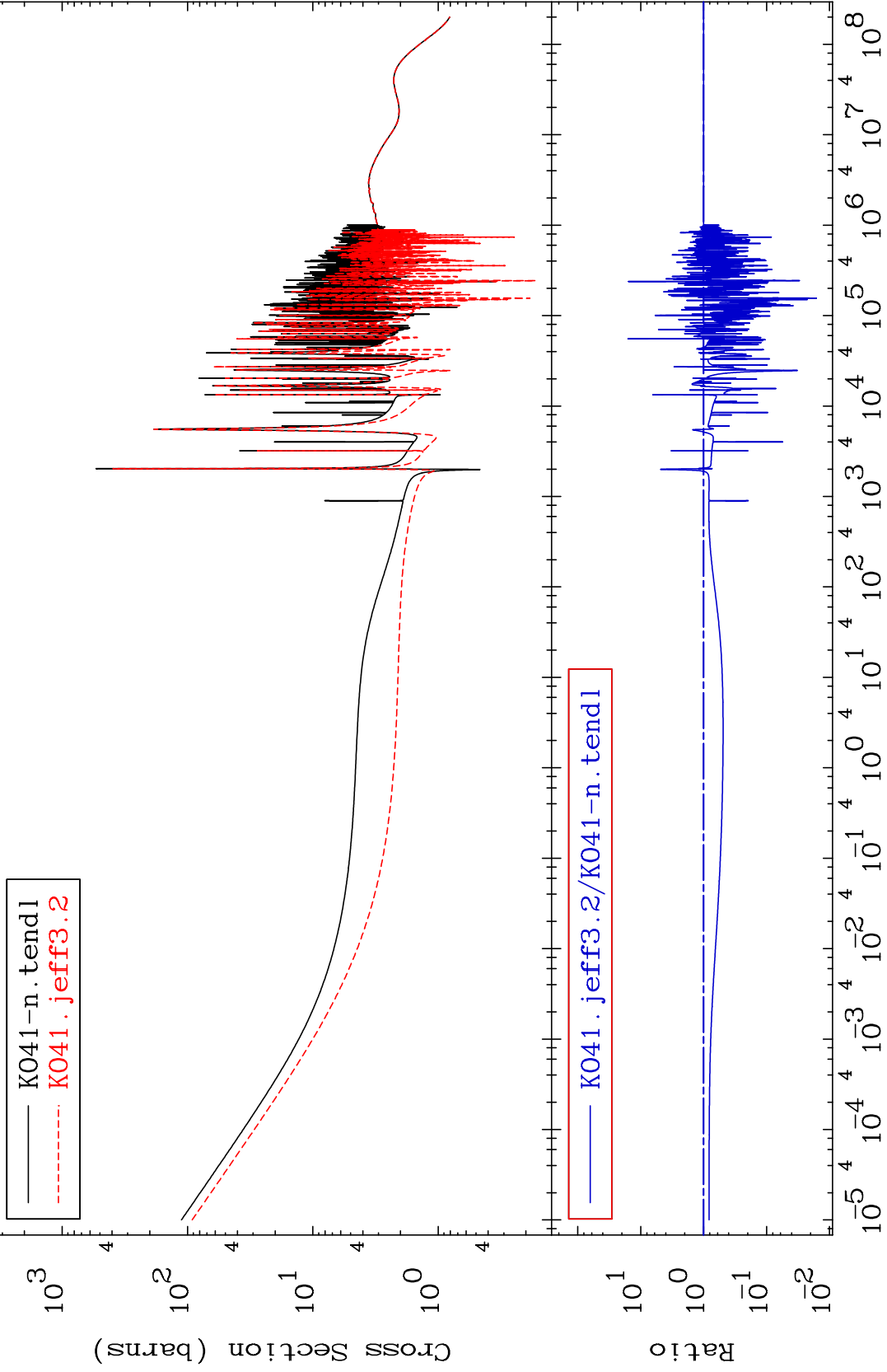


MAT 1931

Total  
Cross Section

19-K -41  
-98.39 To 1503. %



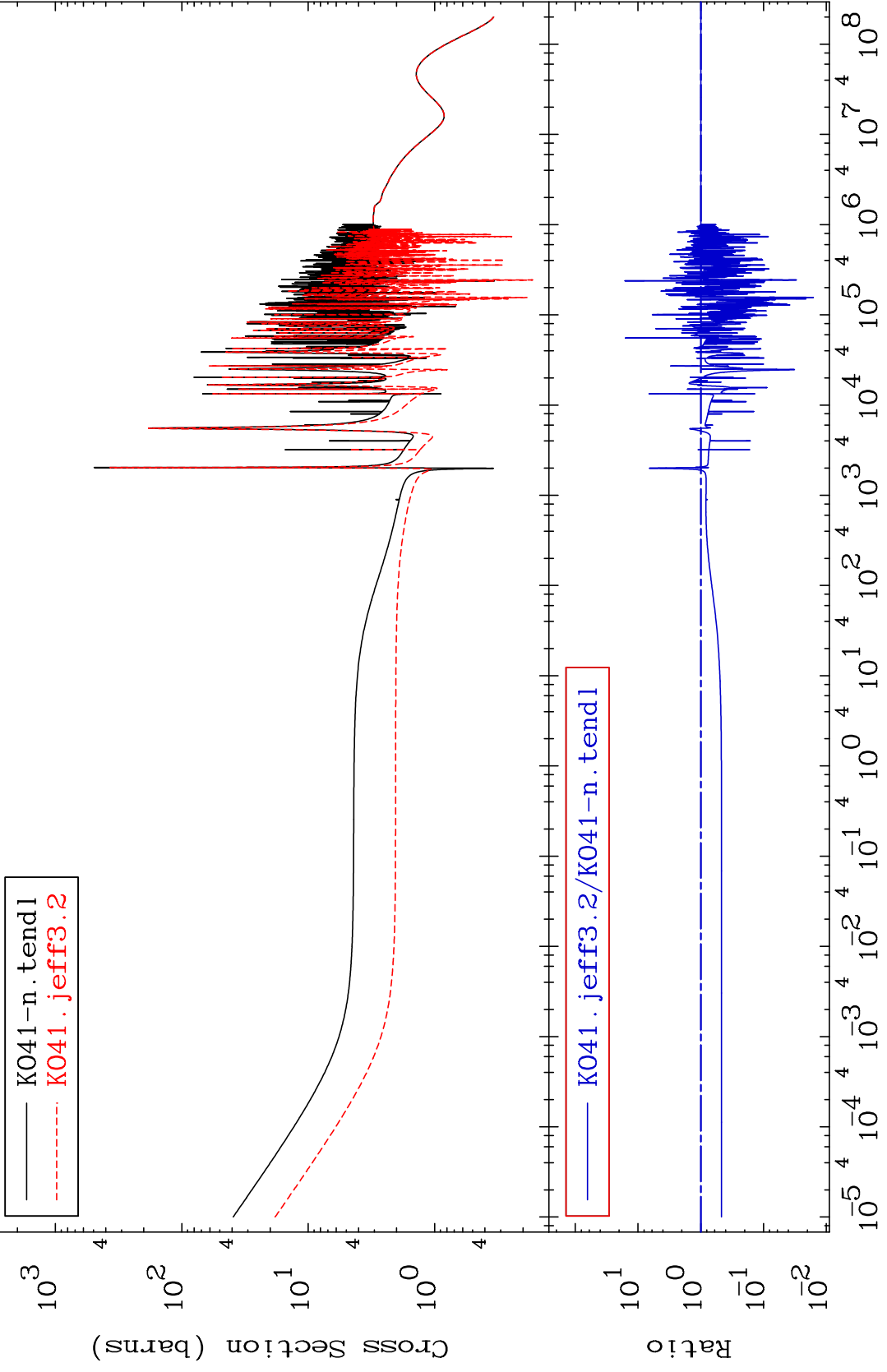
Incident Energy (eV)

19-K -41

MAT 1931

Elastic  
Cross Section

19-K -41  
-98.40 To 1511. %



Incident Energy (eV)

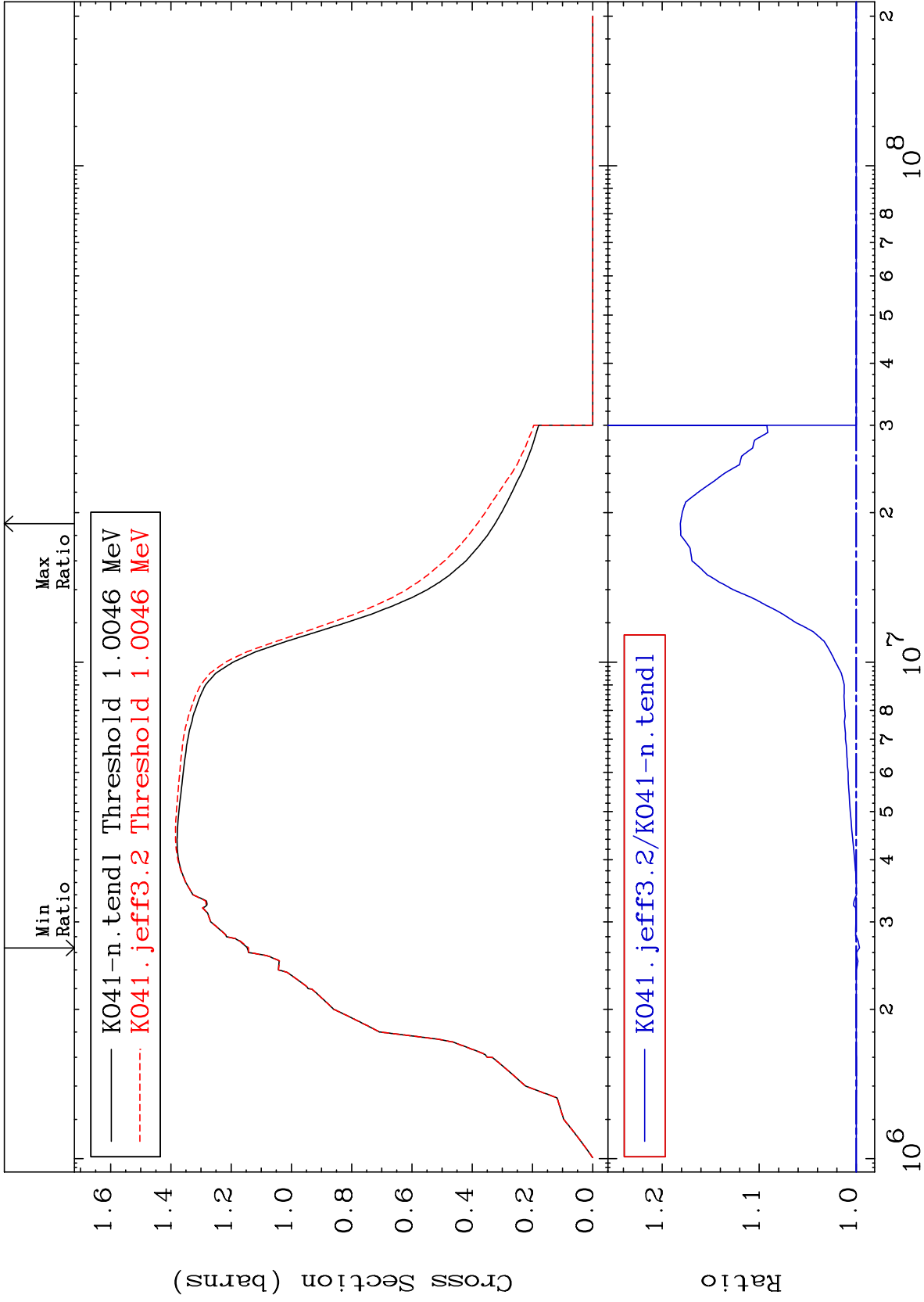
19-K -41

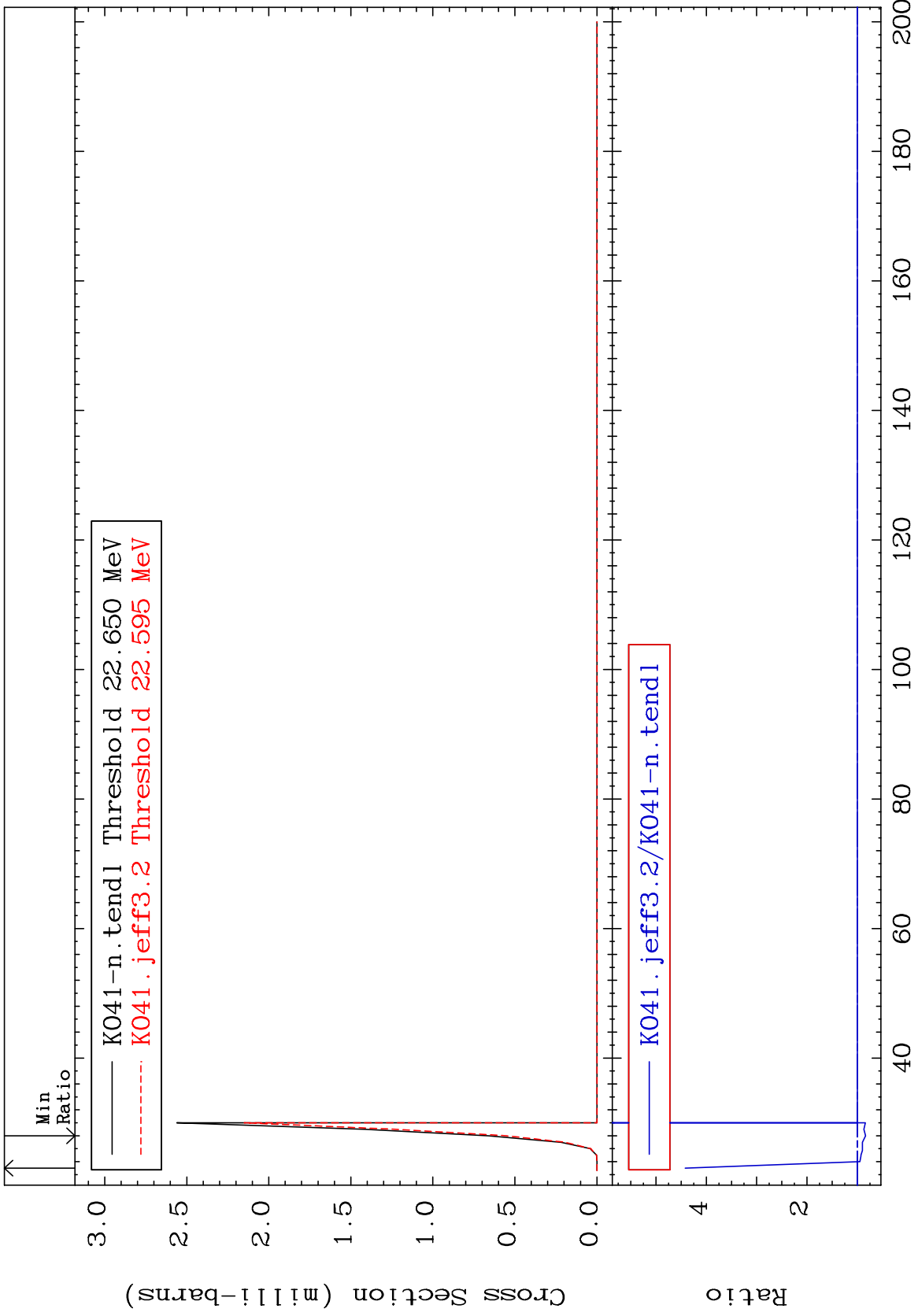
2

MAT 1931

Inelastic  
Cross Section

19-K -41  
-0.327 To 18.13 %





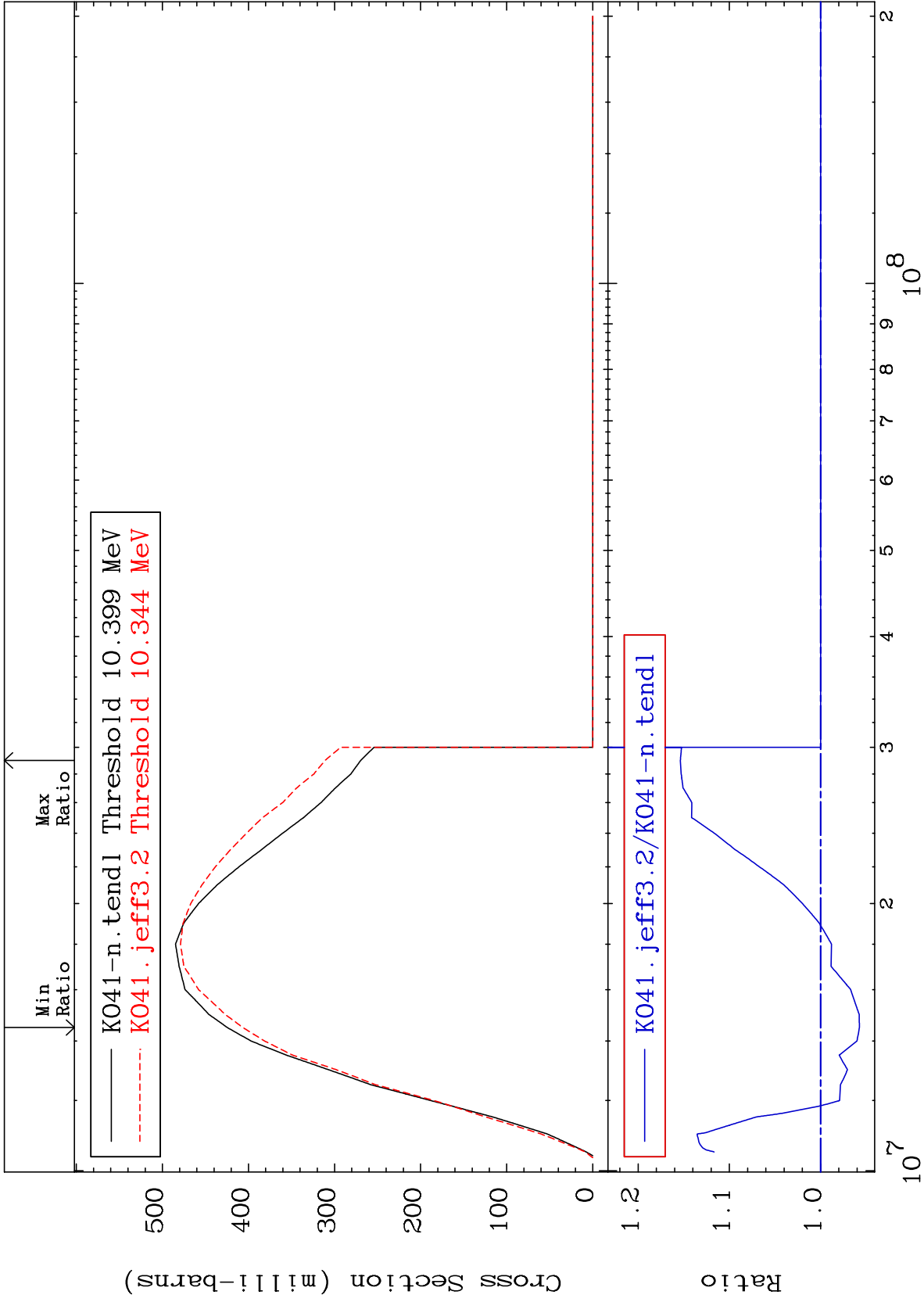
MAT 1931

(n,2n)

19-K -41

Cross Section

-4.262 To 15.37 %



19-K -41

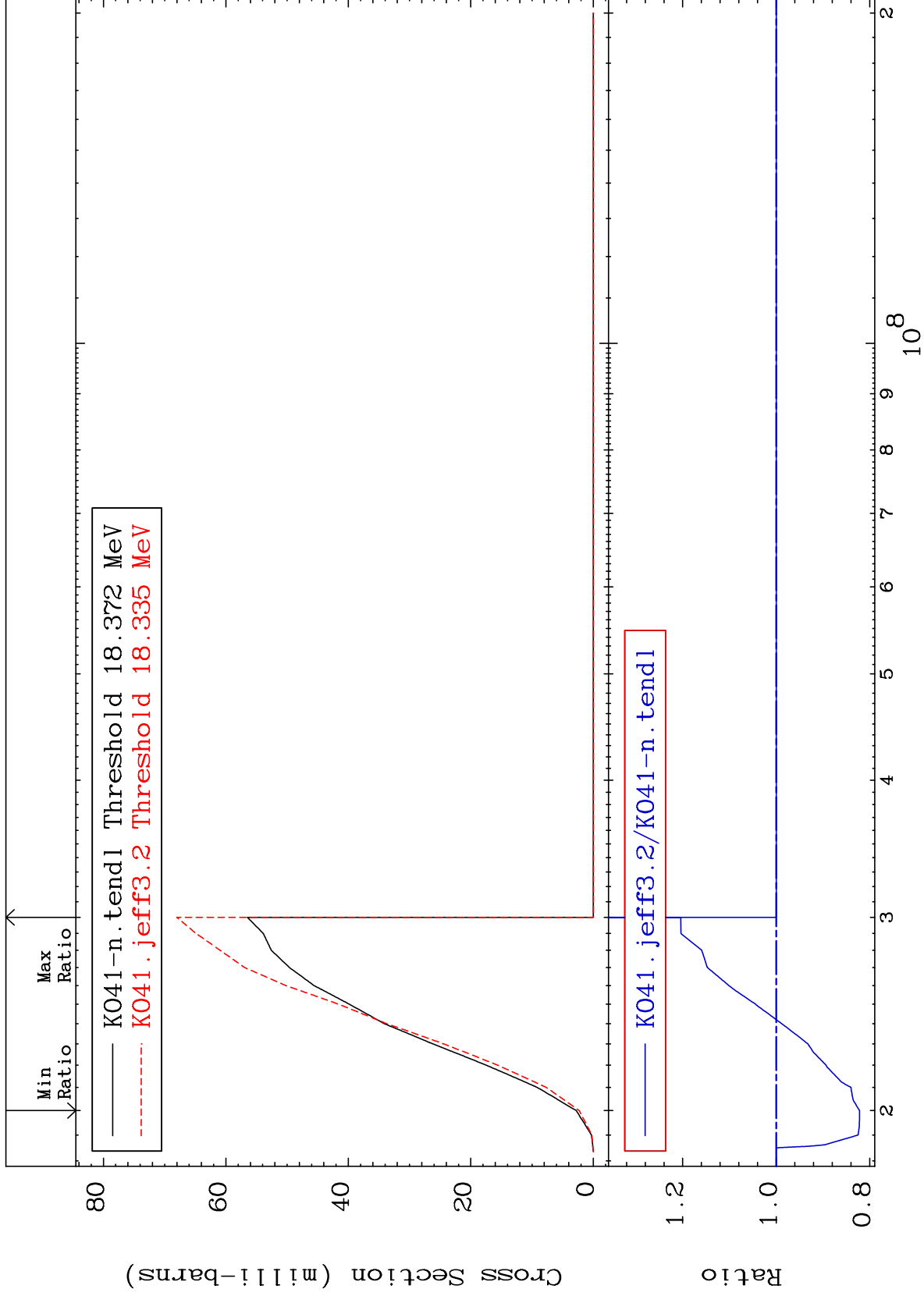
MAT 1931

(n,3n)

19-K -41

Cross Section

-17.83 To 20.41 %



6

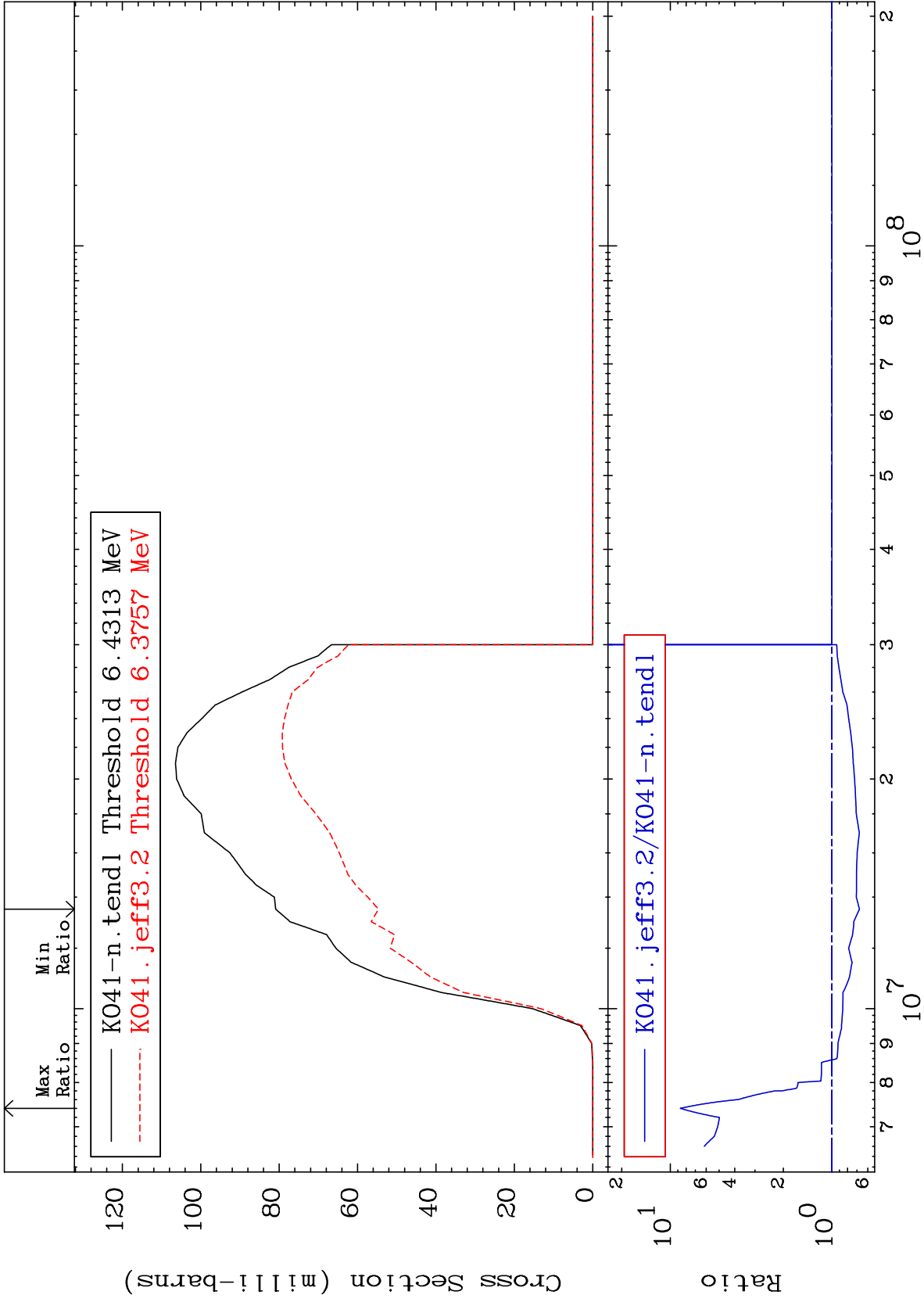
Incident Energy (eV)

19-K -41

MAT 1931

(n,n')  $\alpha$   
Cross Section

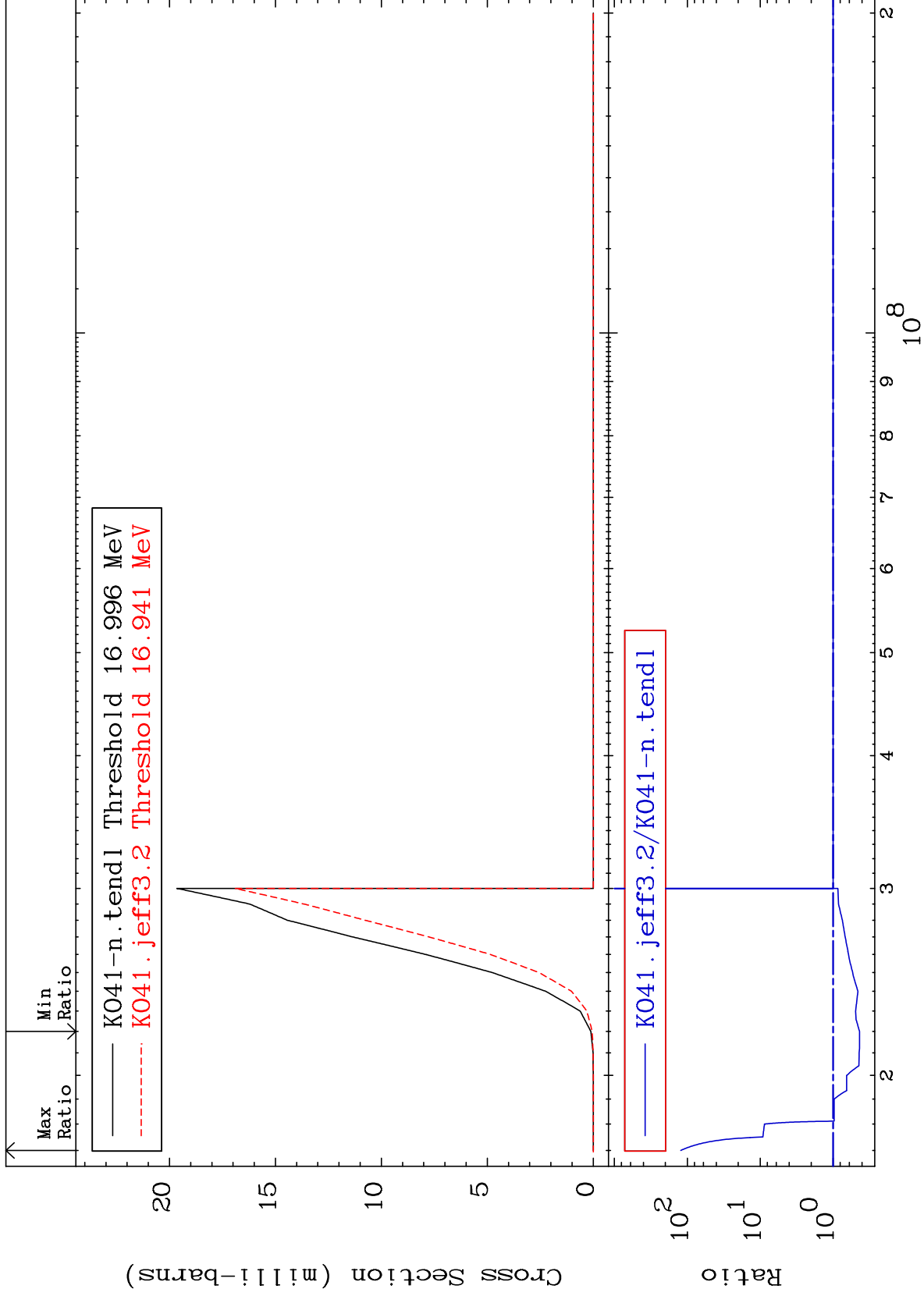
19-K -41  
-32.40 To 767.7 %



7

Incident Energy (eV)

19-K -41

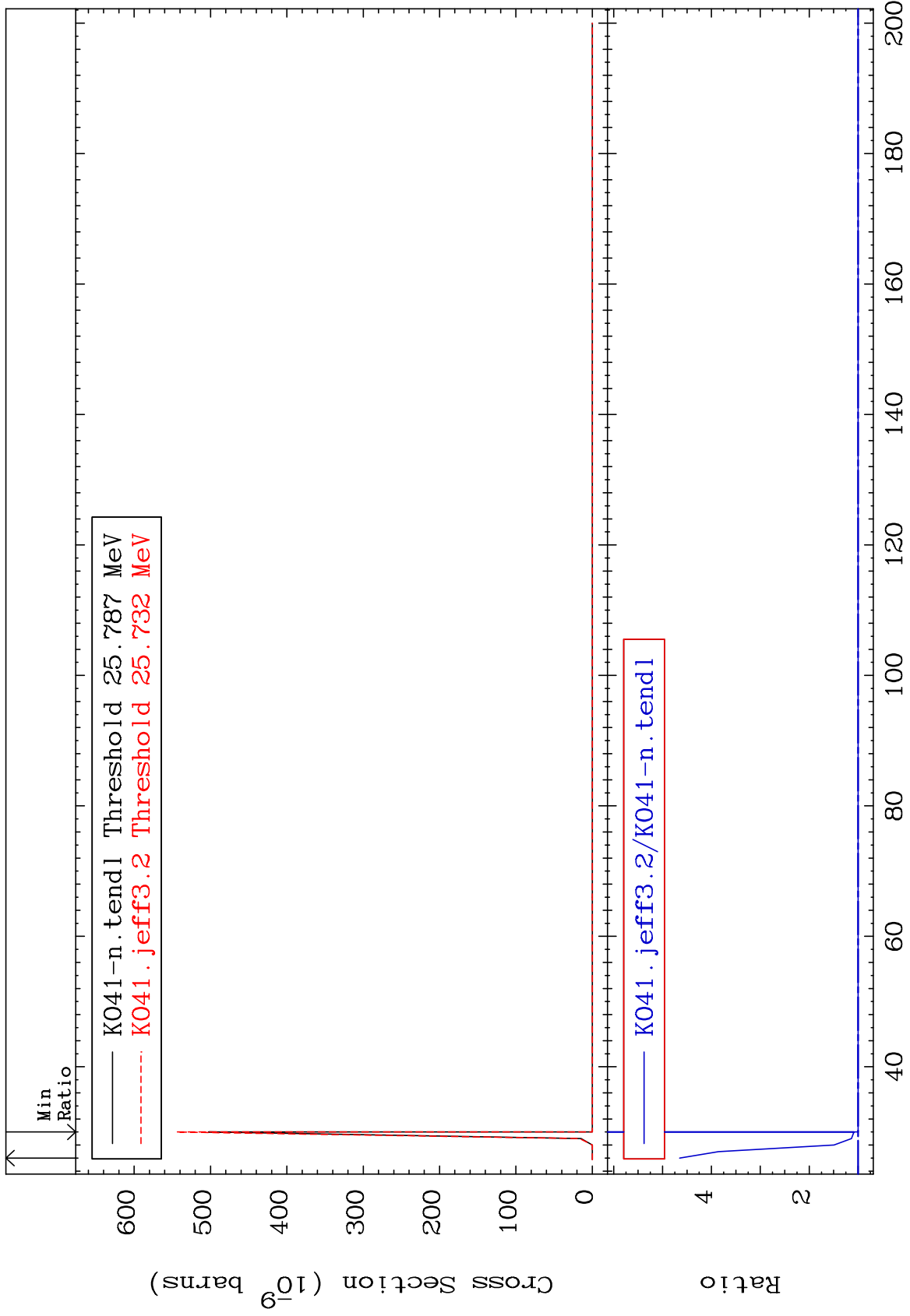




MAT 1931

(n,3n)  $\alpha$   
Cross Section

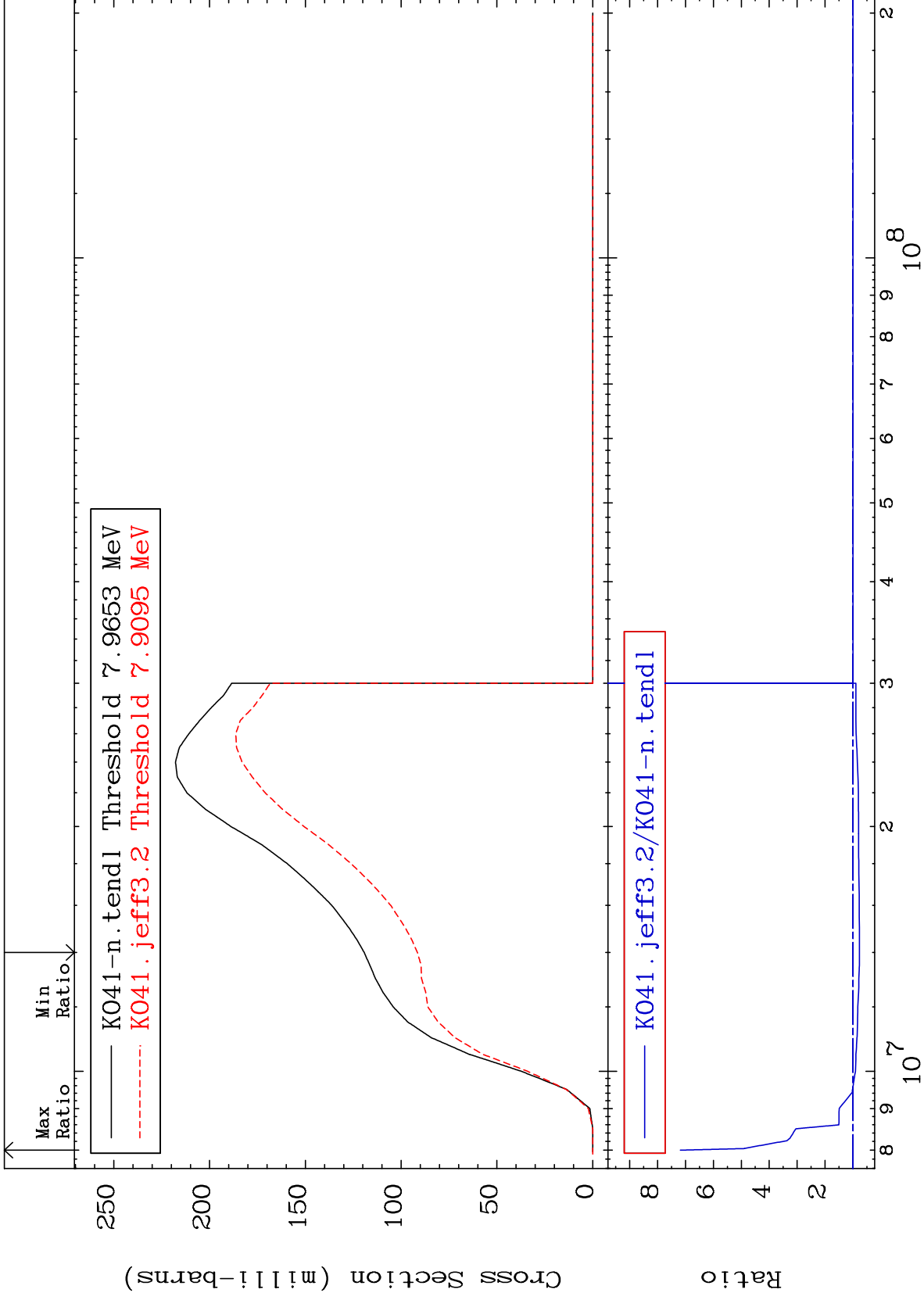
19-K -41  
0.000 To 365.0 %



MAT 1931

(n,n') p  
Cross Section

19-K -41  
-23.30 To 618.4 %



10

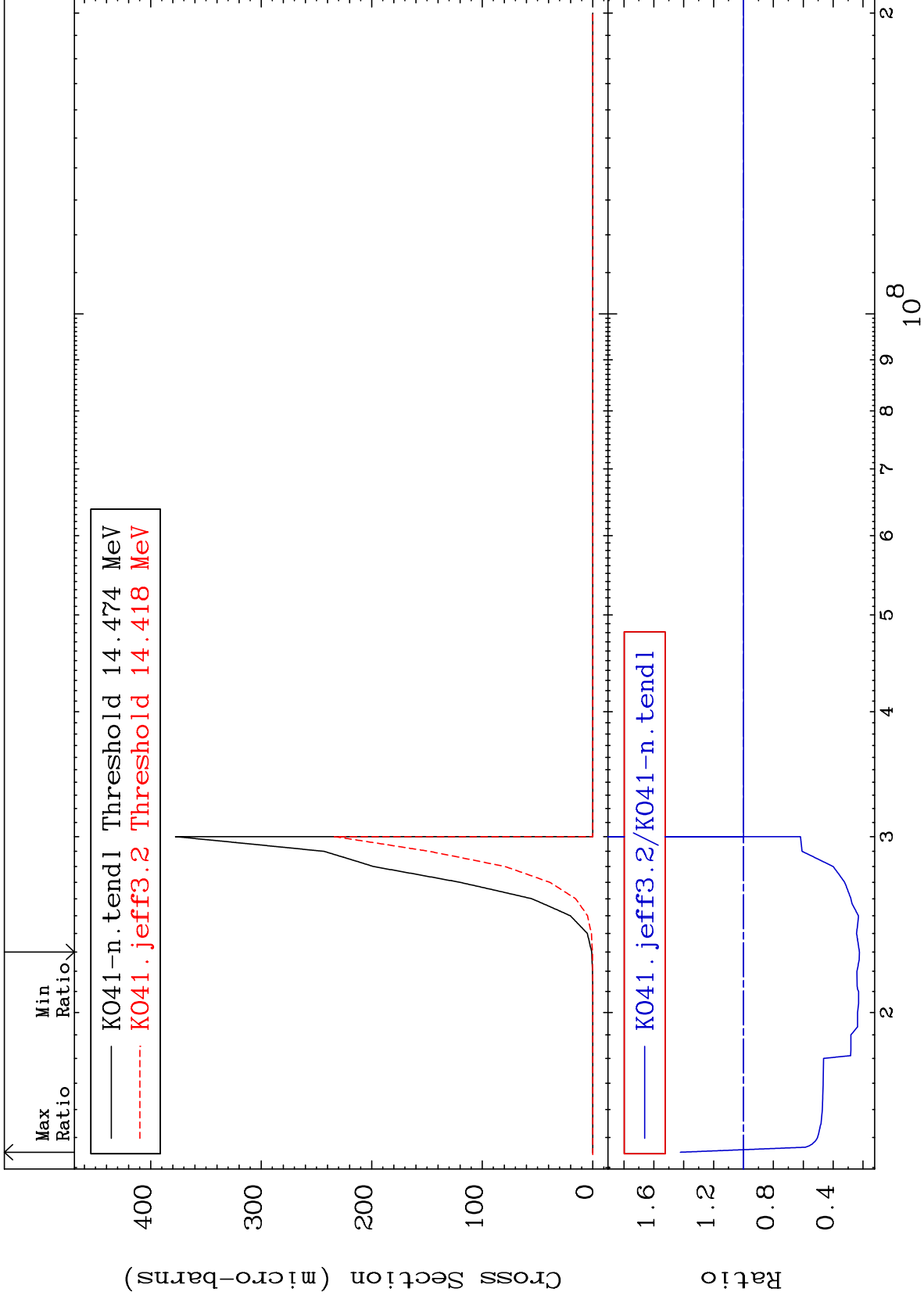
Incident Energy (eV)

19-K -41

MAT 1931

(n, n')  $2\alpha$   
Cross Section

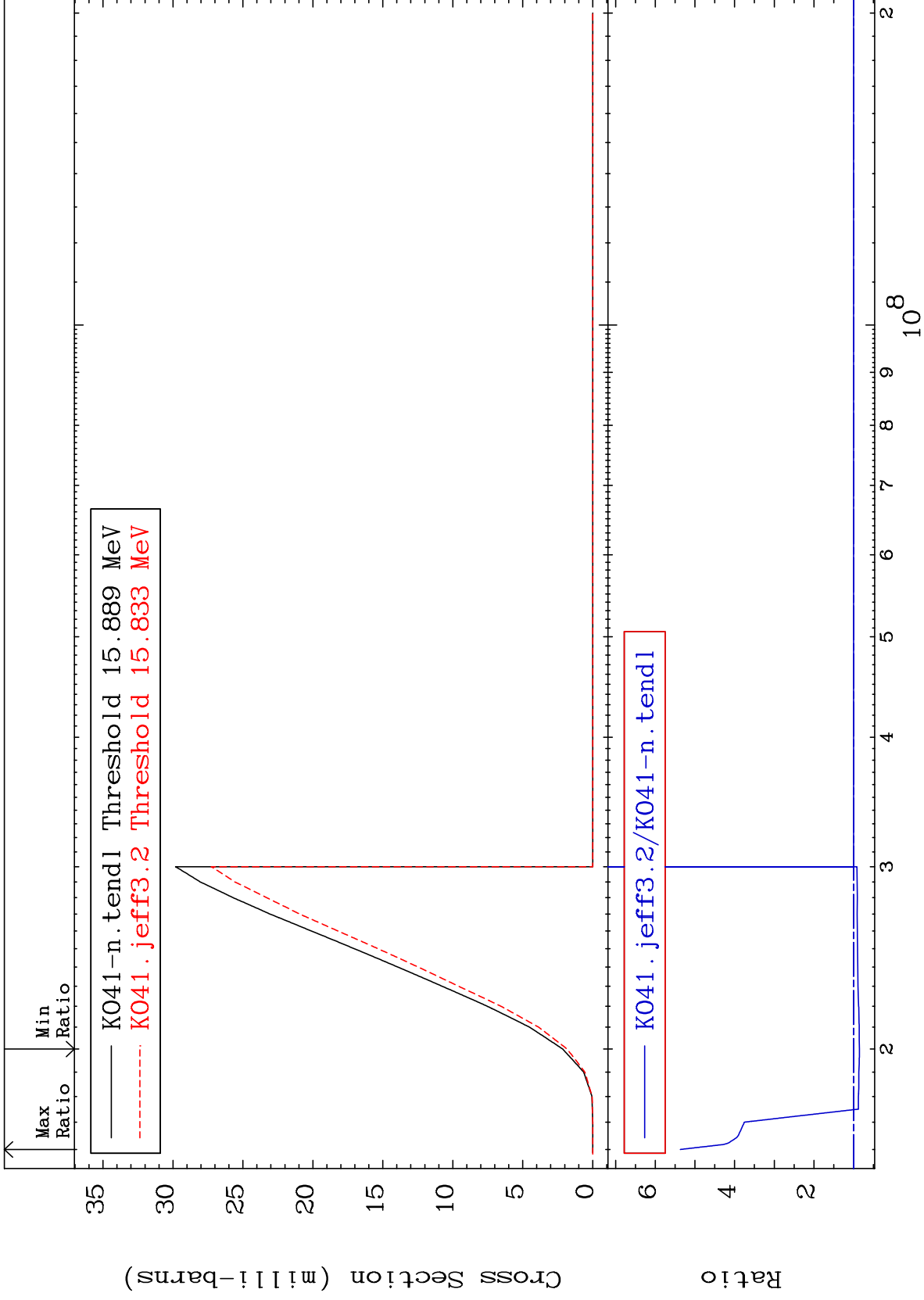
19-K -41  
-77.58 To 42.24 %



MAT 1931

(n,n') d  
Cross Section

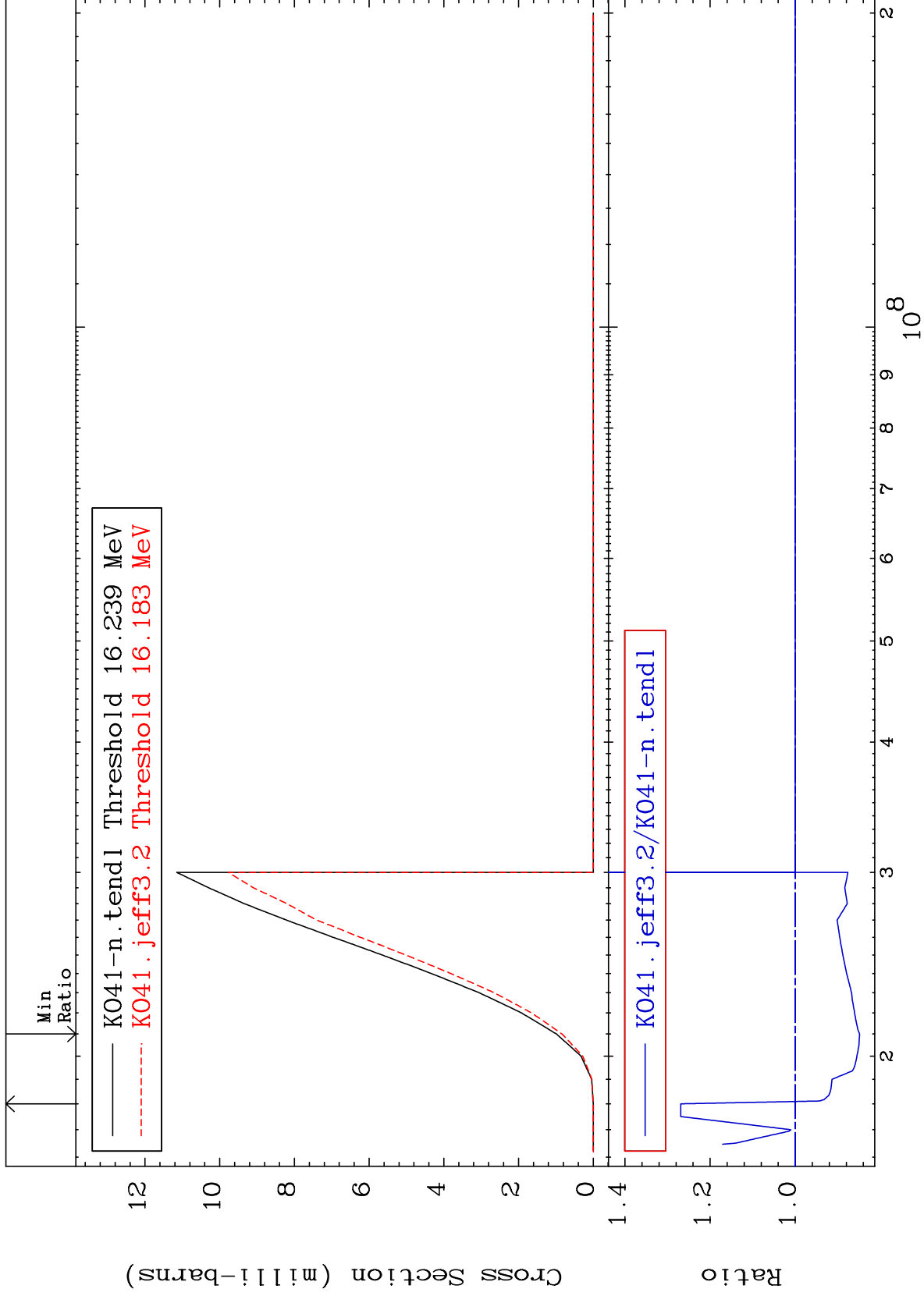
19-K -41  
-14.81 To 436.8 %



MAT 1931

(n,n') t  
Cross Section

19-K -41  
-15.10 To 26.89 %



13

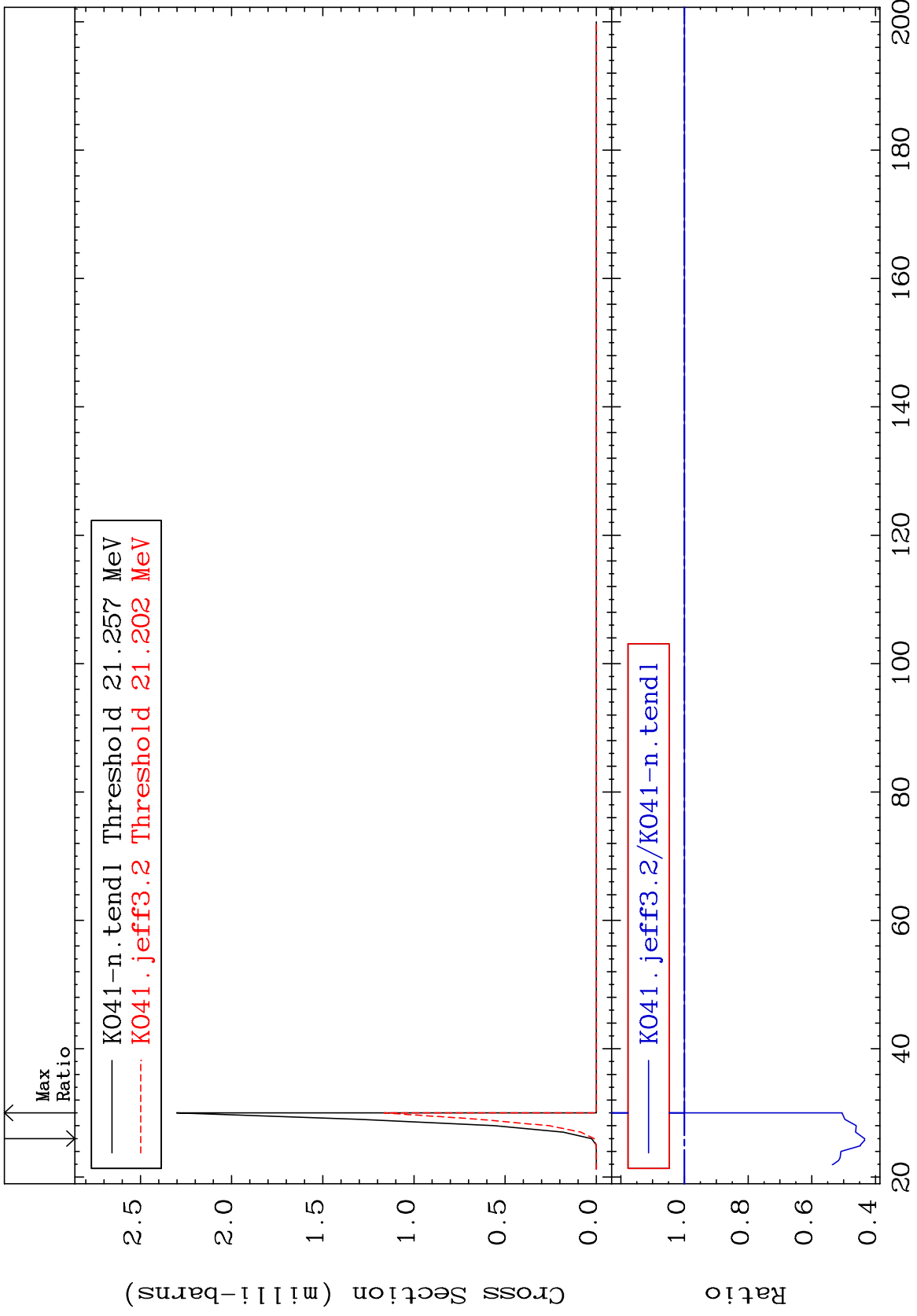
Incident Energy (eV)

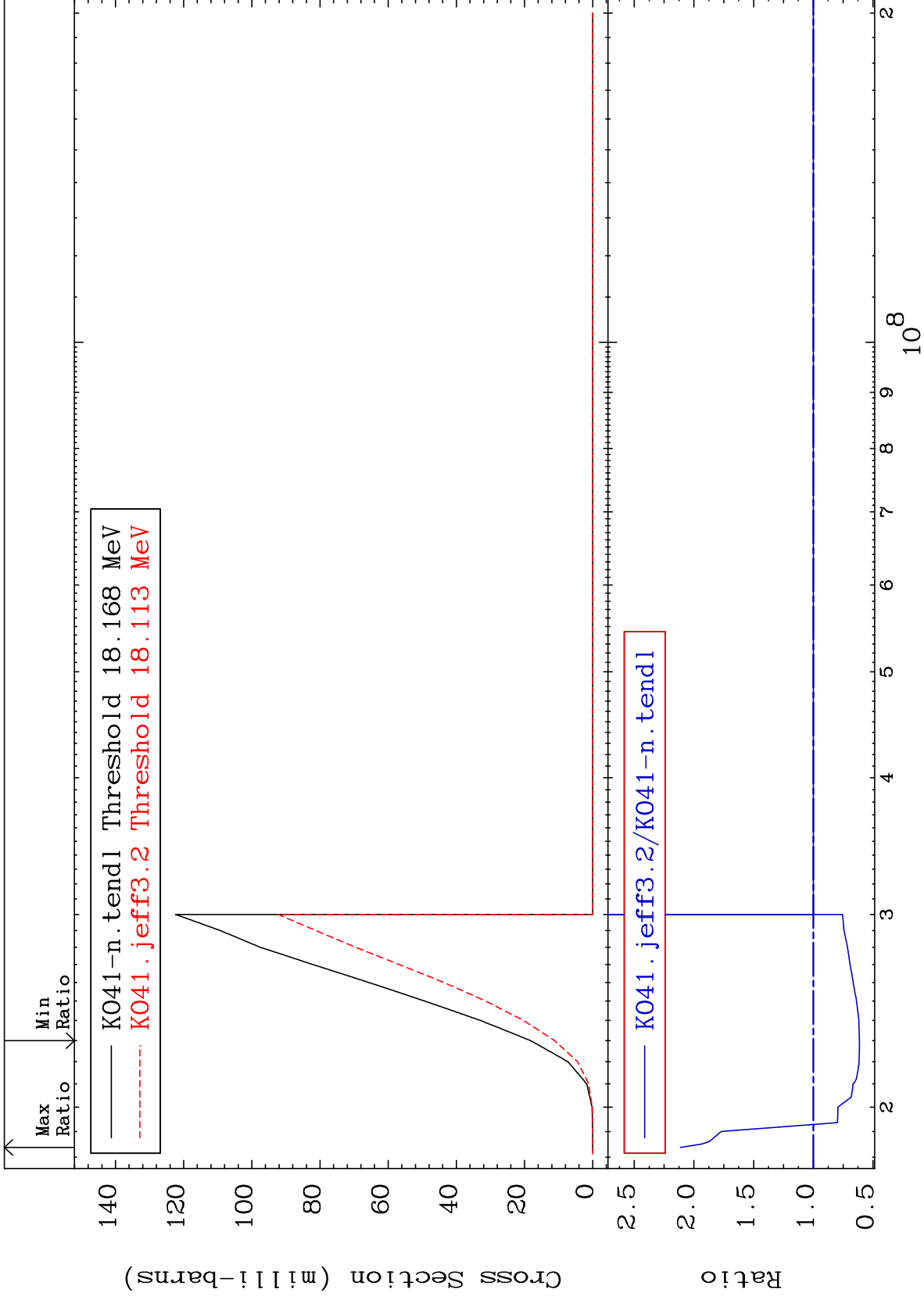
19-K -41

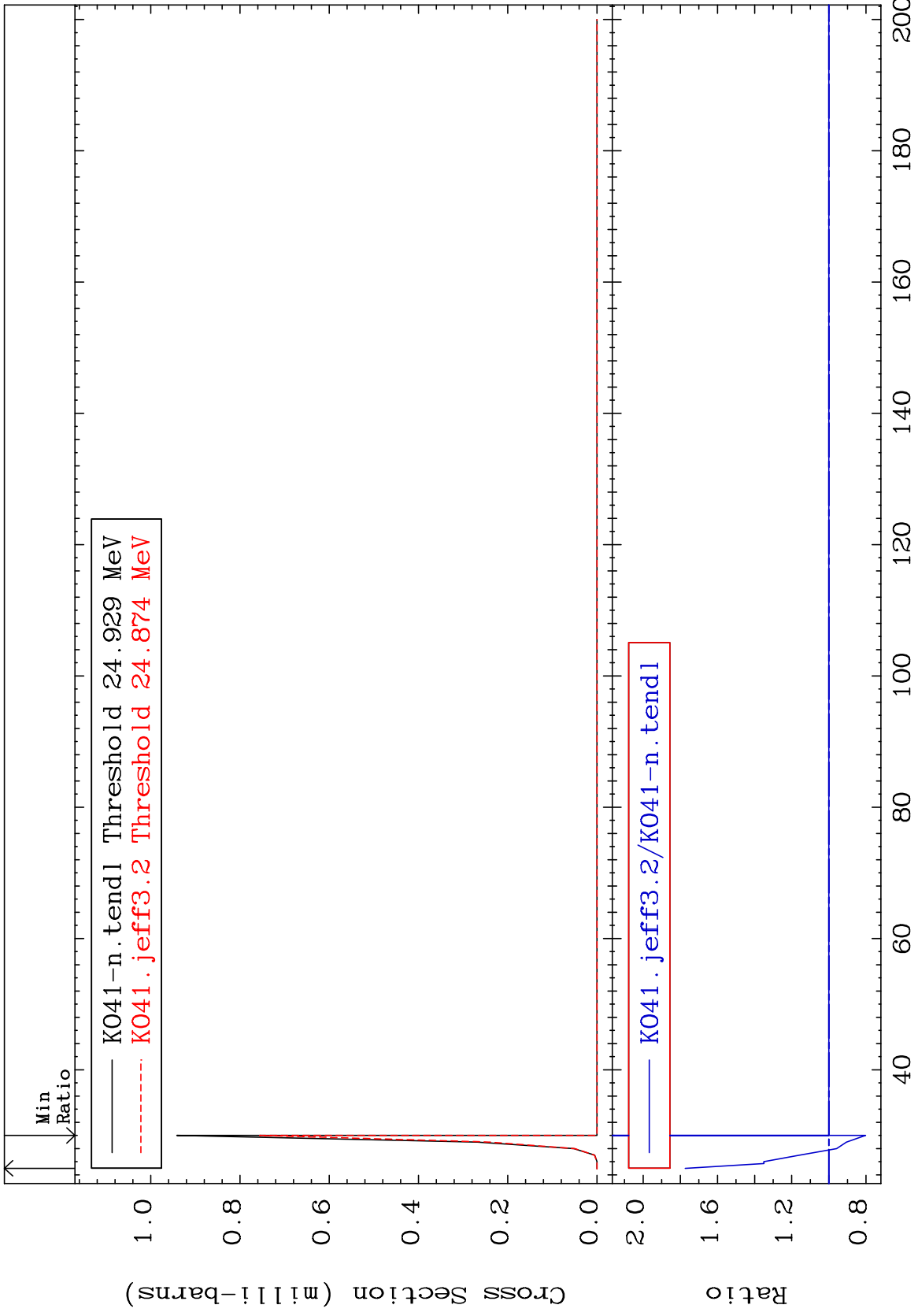
MAT 1931

(n, n') He-3  
Cross Section

19-K -41  
-56.60 To 0.000 %





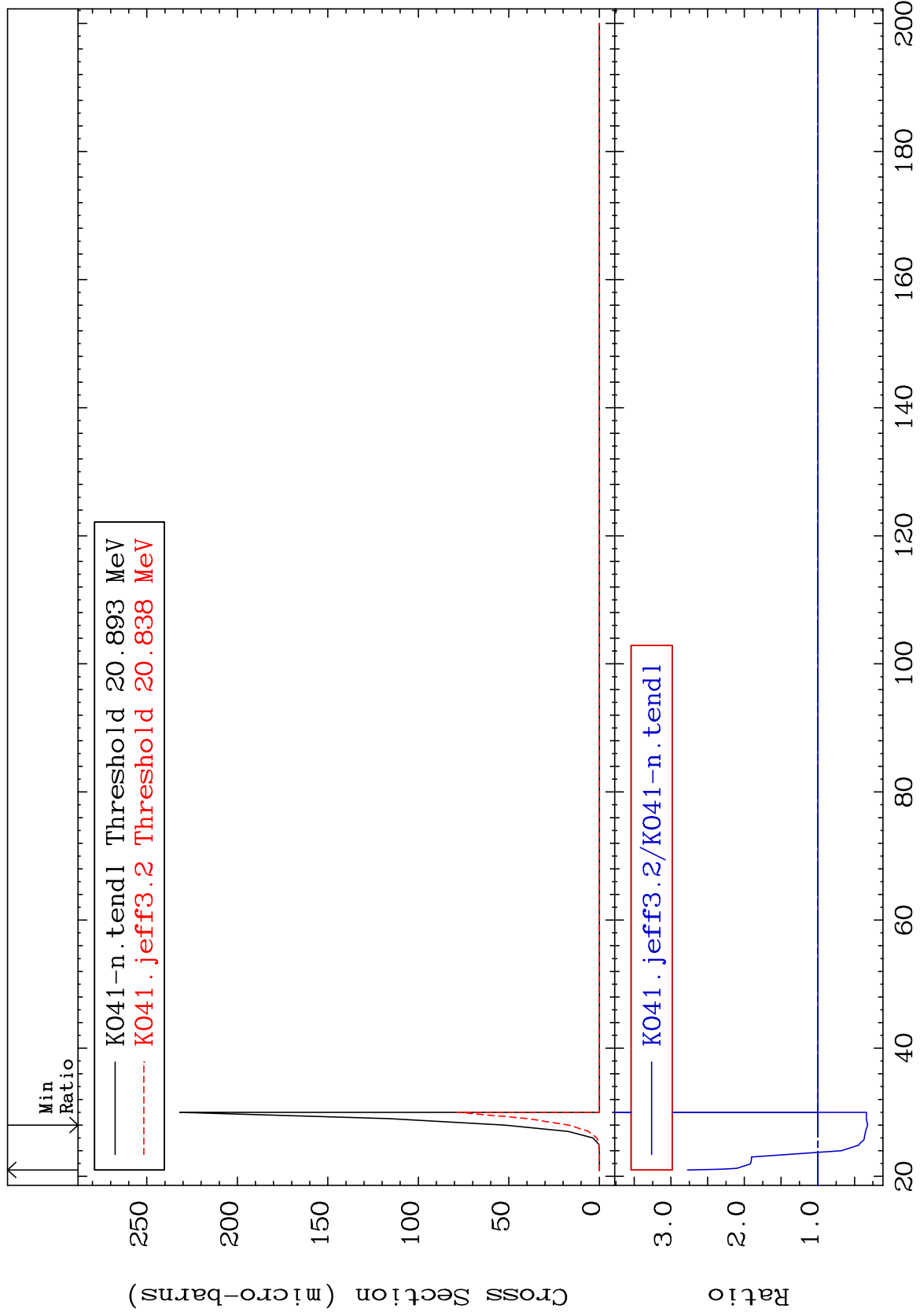




MAT 1931

(n,2n) p  
Cross Section

19-K -41  
-67.80 To 177.4 %



17

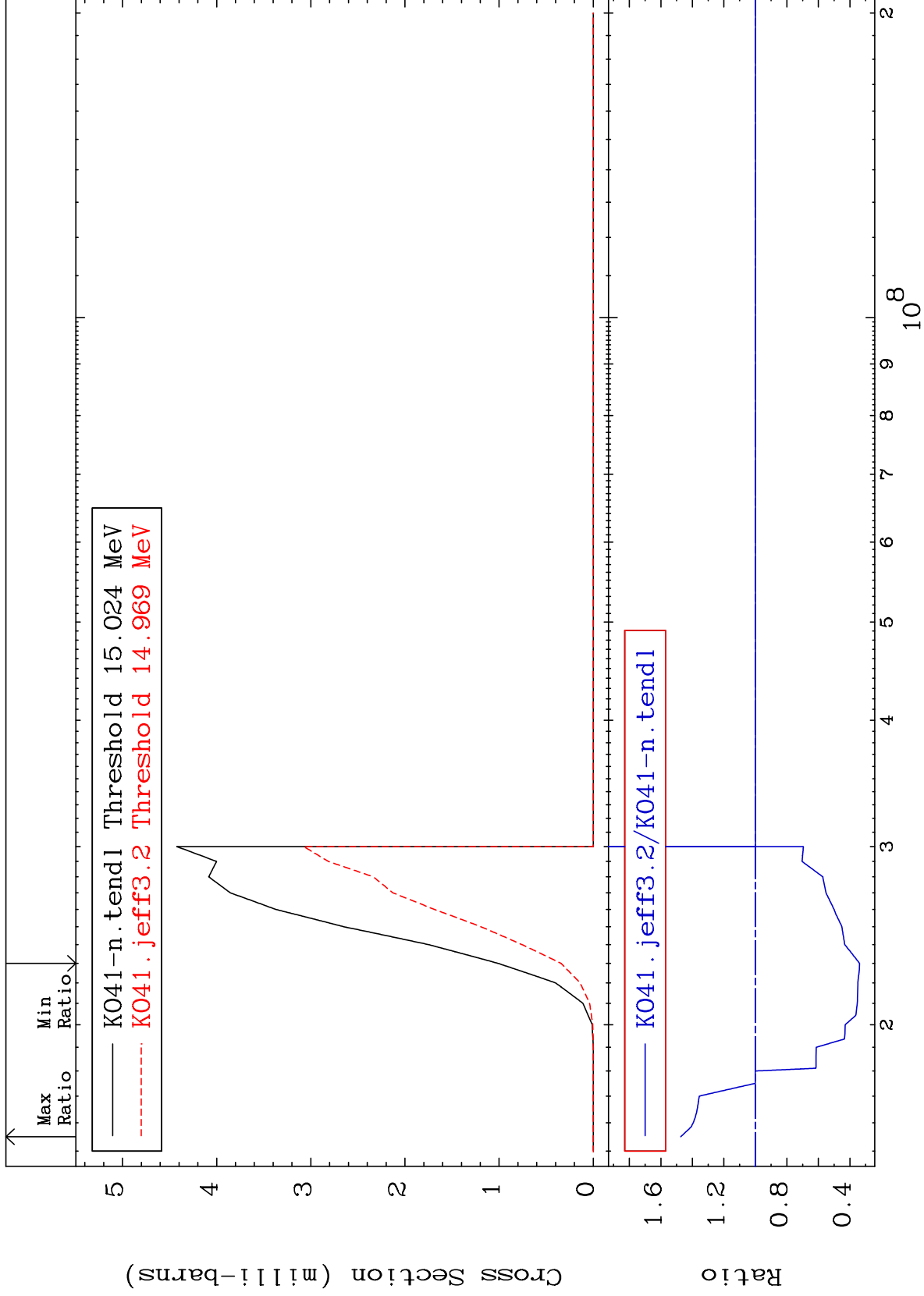
Incident Energy (MeV)

19-K -41

MAT 1931

(n,n') p  $\alpha$   
Cross Section

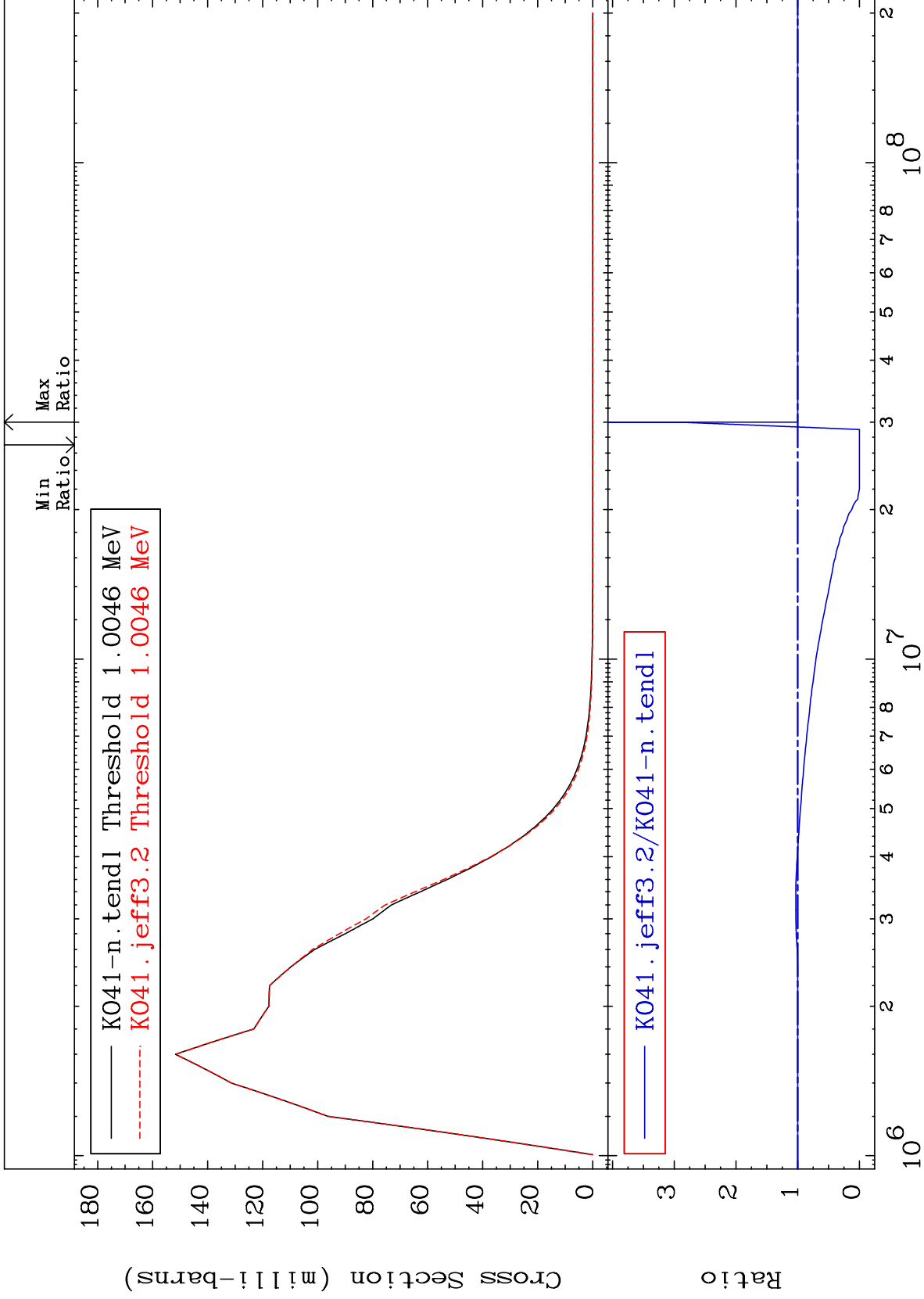
19-K -41  
-66.13 To 47.35 %



MAT 1931

980.5 keV (n,n') Level  
Cross Section

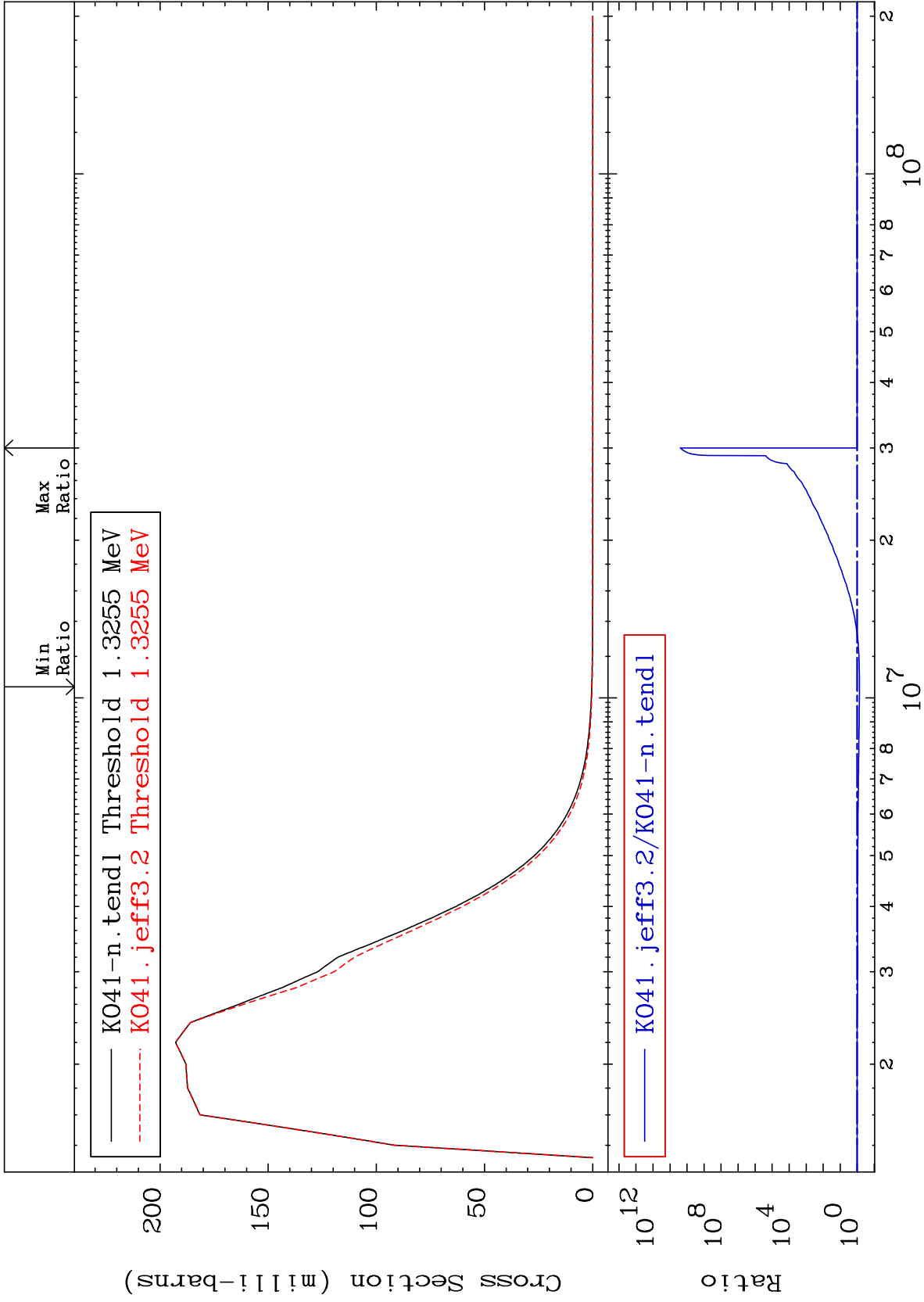
19-K -41  
-100.0 To 190.0 %



19

Incident Energy (eV)

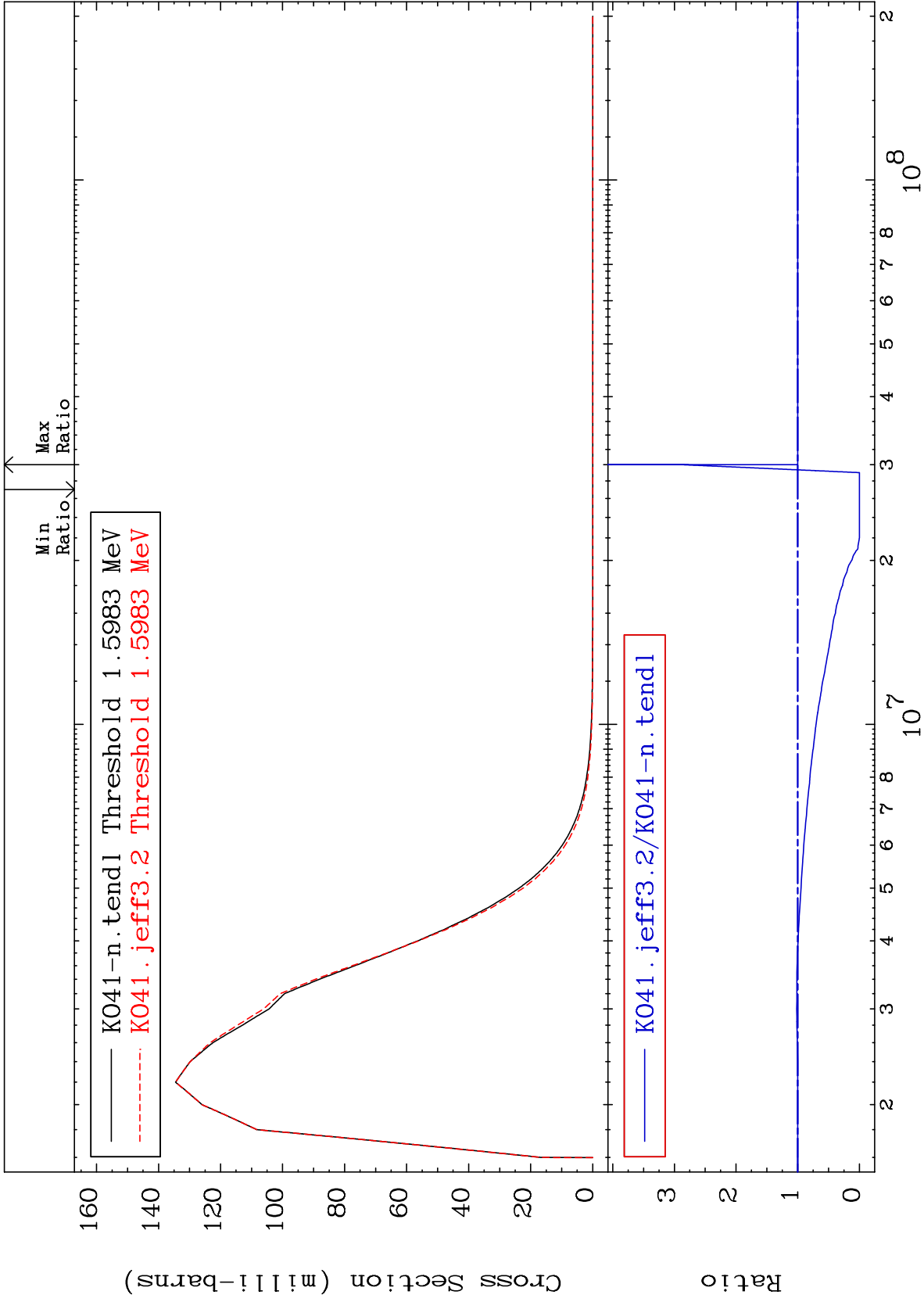
19-K -41



MAT 1931

1.560 MeV (n,n') Level  
Cross Section

19-K -41  
-100.0 To 190.3 %



21

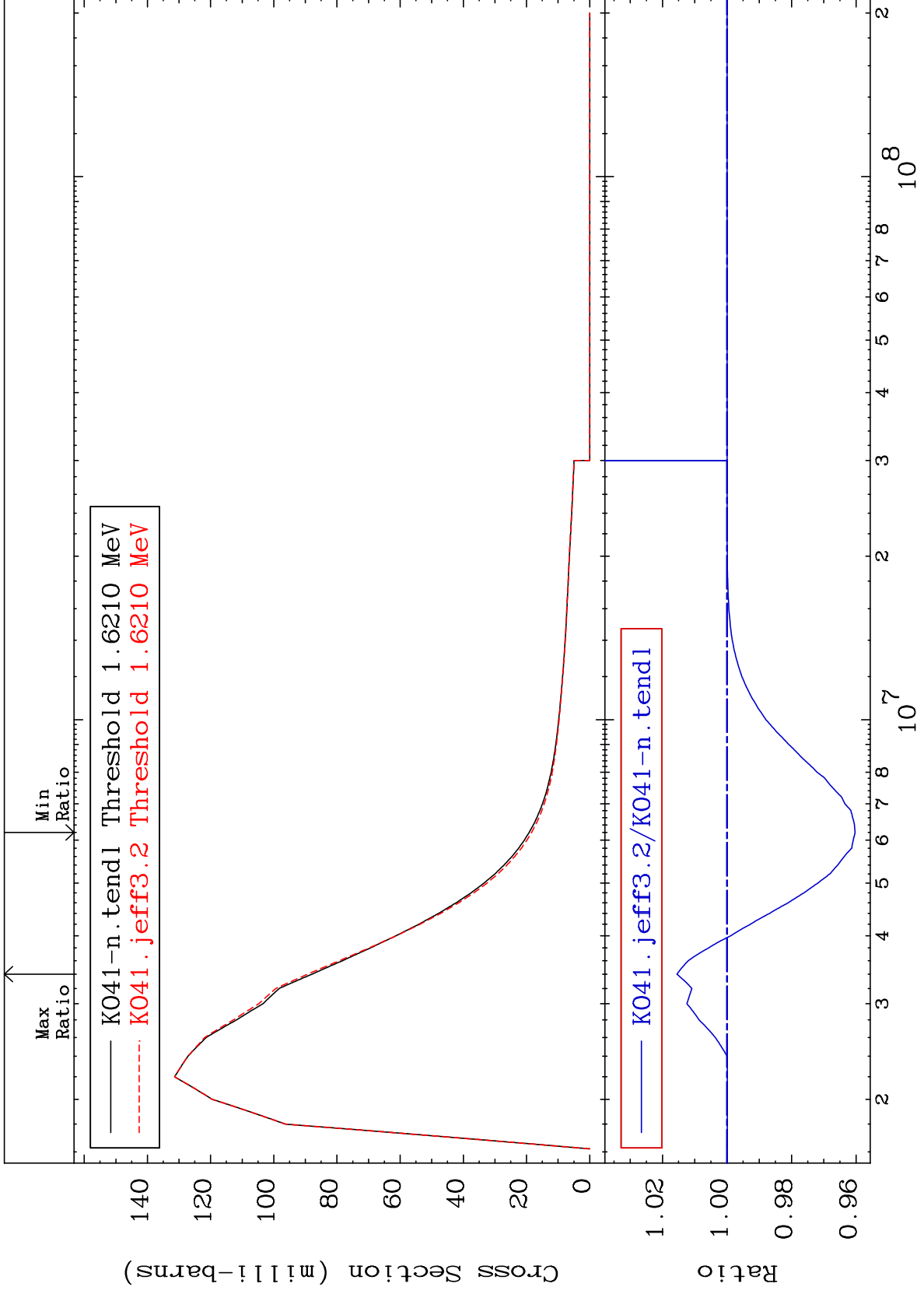
Incident Energy (eV)

19-K -41

MAT 1931

1.582 MeV (n,n') Level  
Cross Section

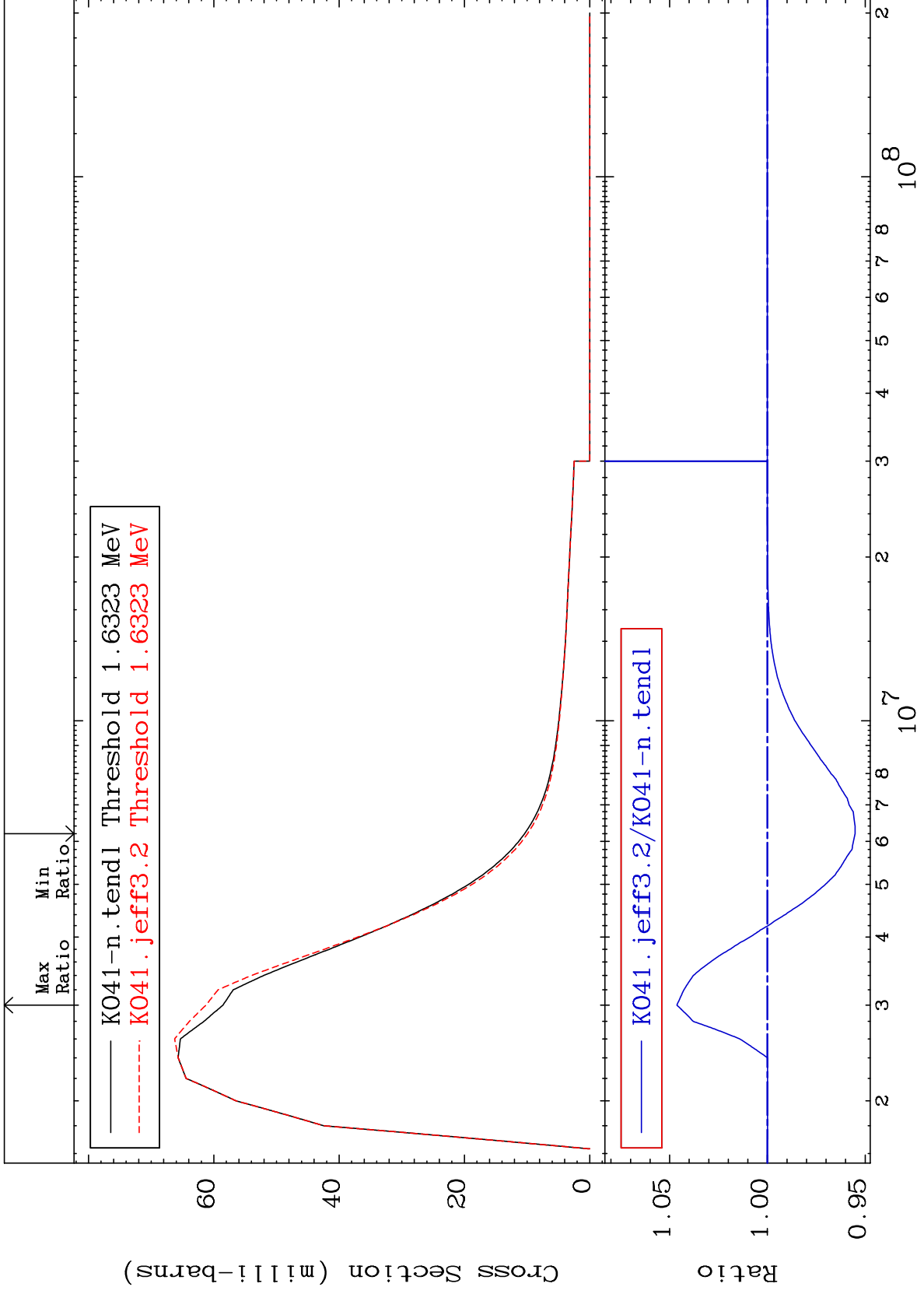
19-K -41  
-3.969 To 1.553 %



MAT 1931

1.593 MeV (n,n') Level  
Cross Section

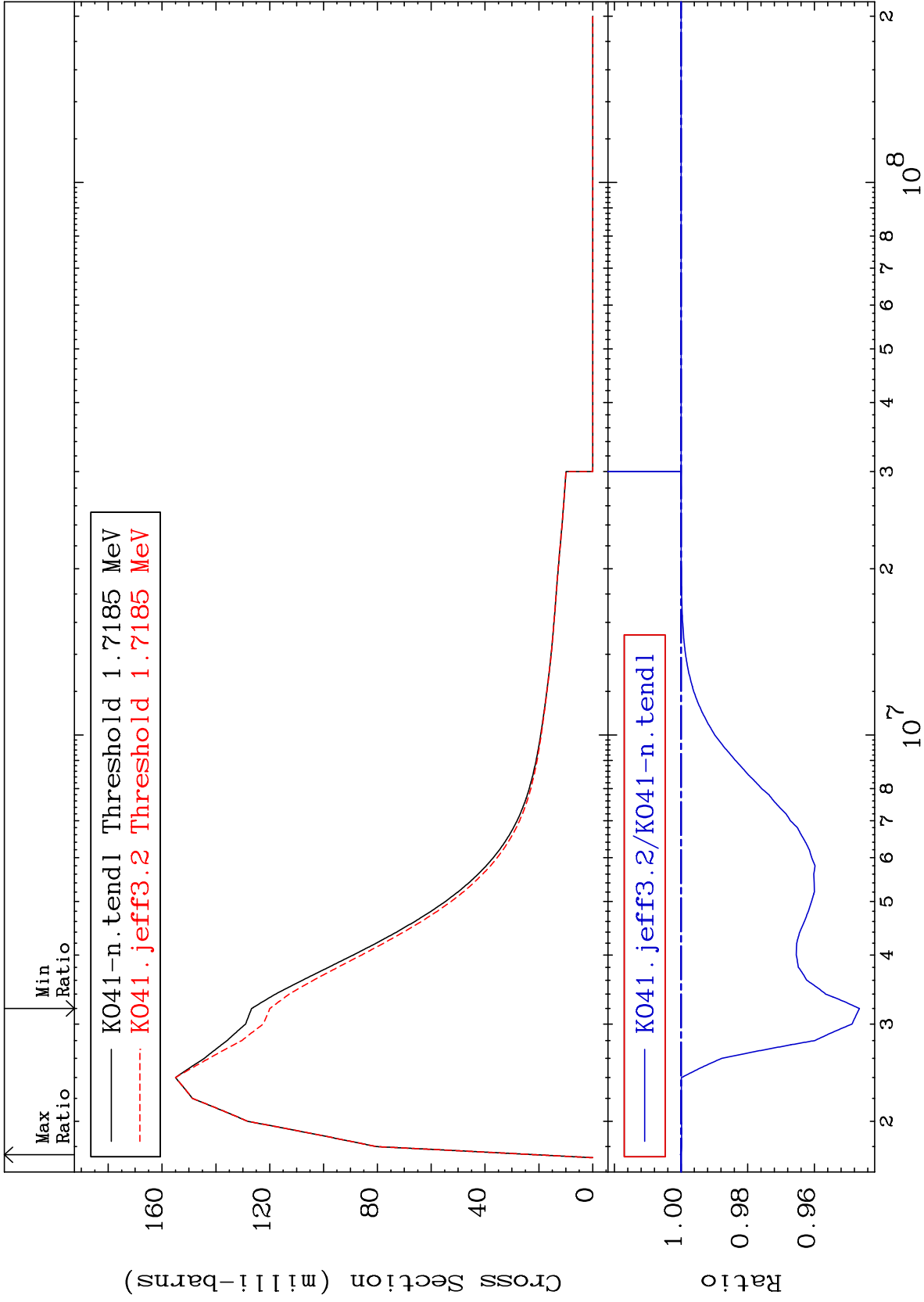
19-K -41  
-4.485 To 4.628 %



MAT 1931

1.677 MeV (n,n') Level  
Cross Section

19-K -41  
-5.351 To 0.021 %



24

Incident Energy (eV)

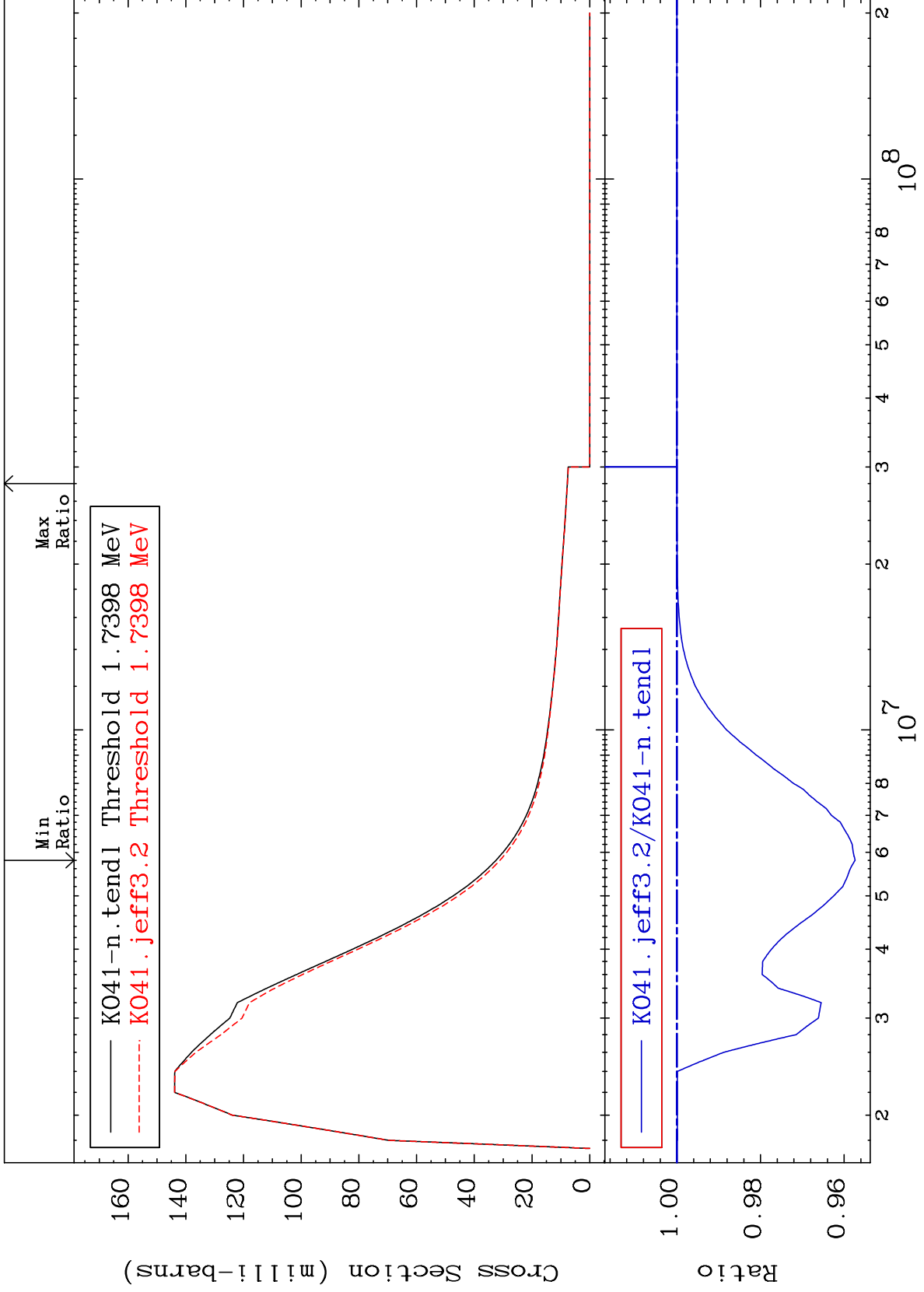
19-K -41

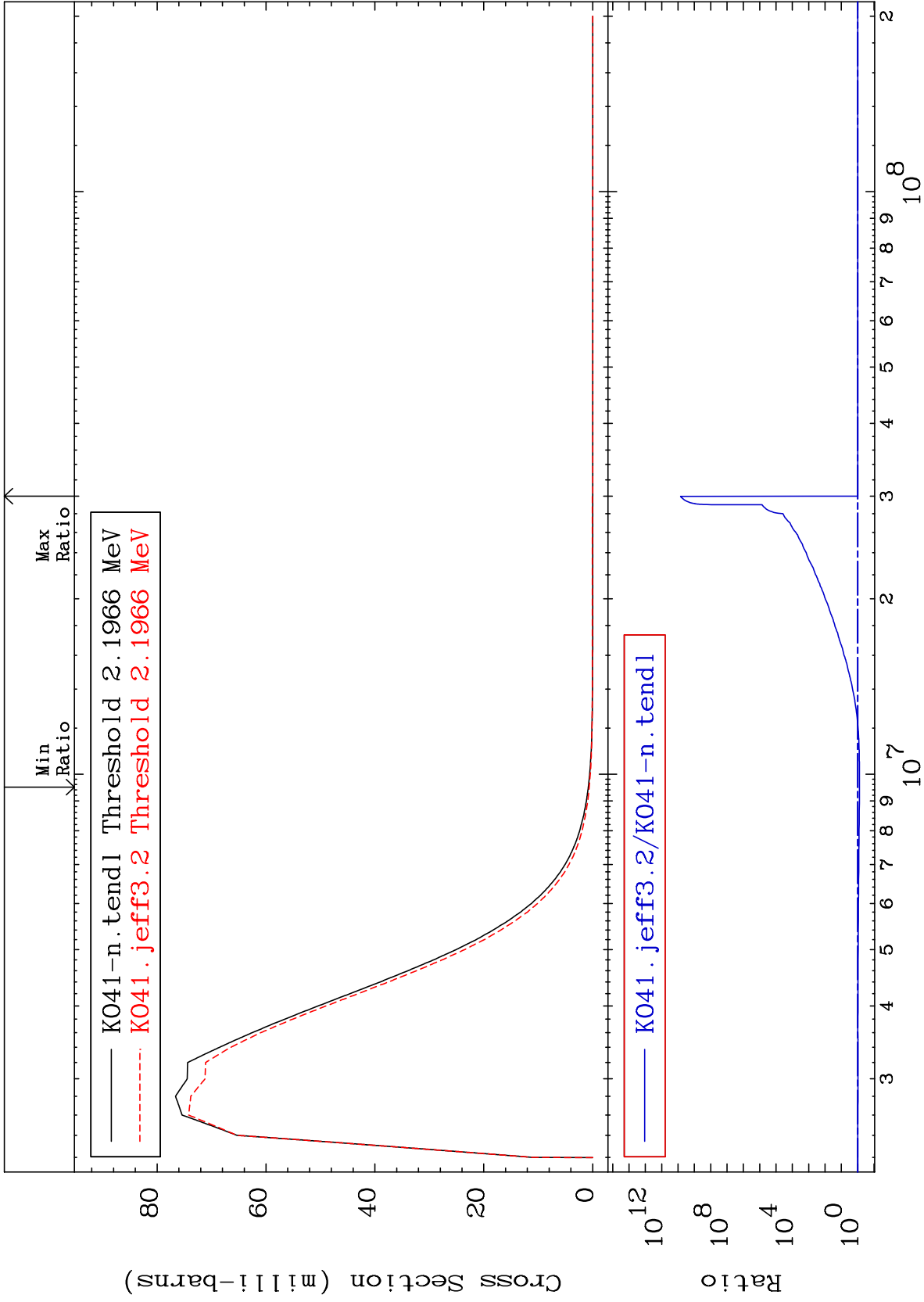


MAT 1931

1.698 MeV (n,n') Level  
Cross Section

19-K -41  
-4.263 To 0.000 %

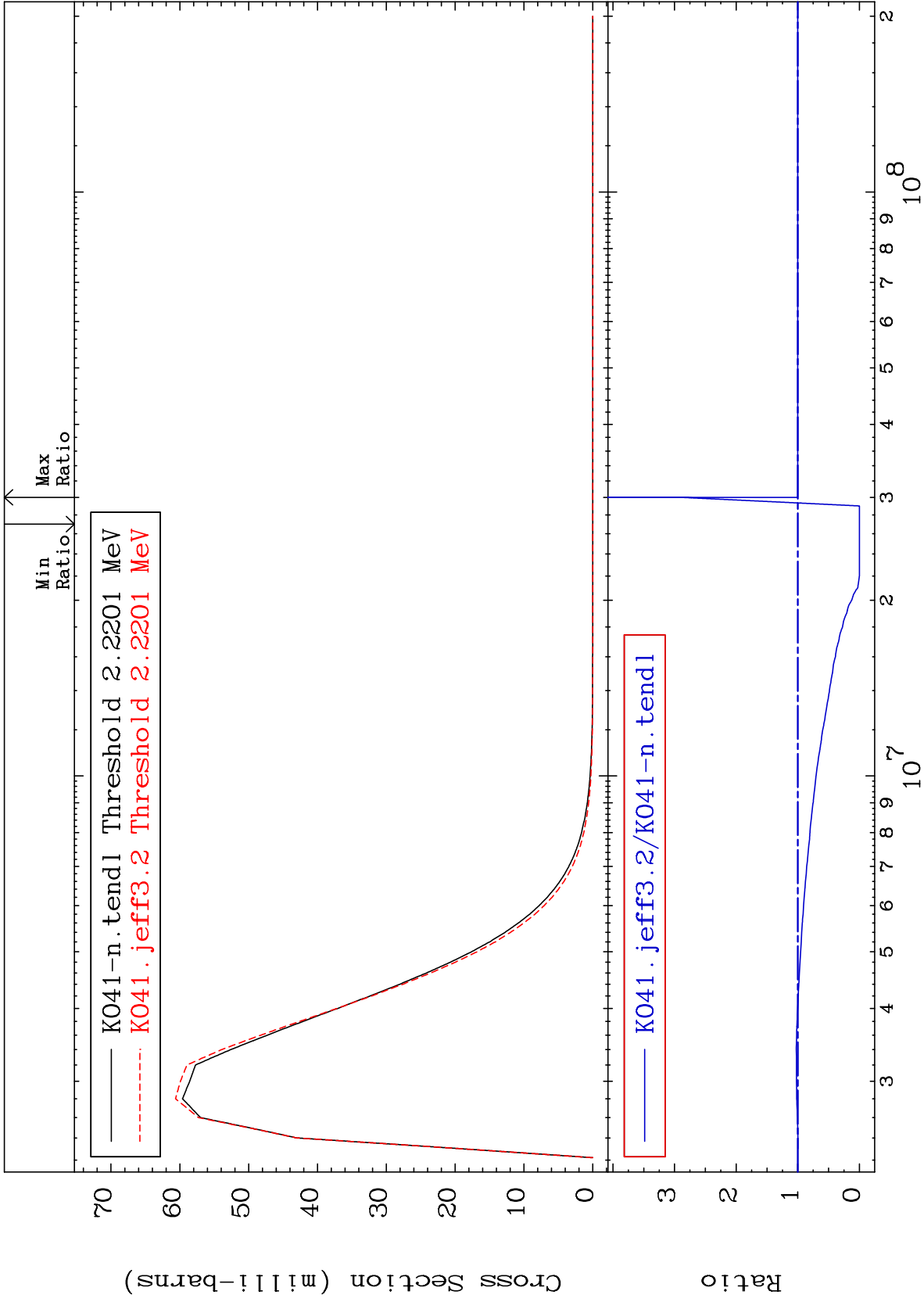


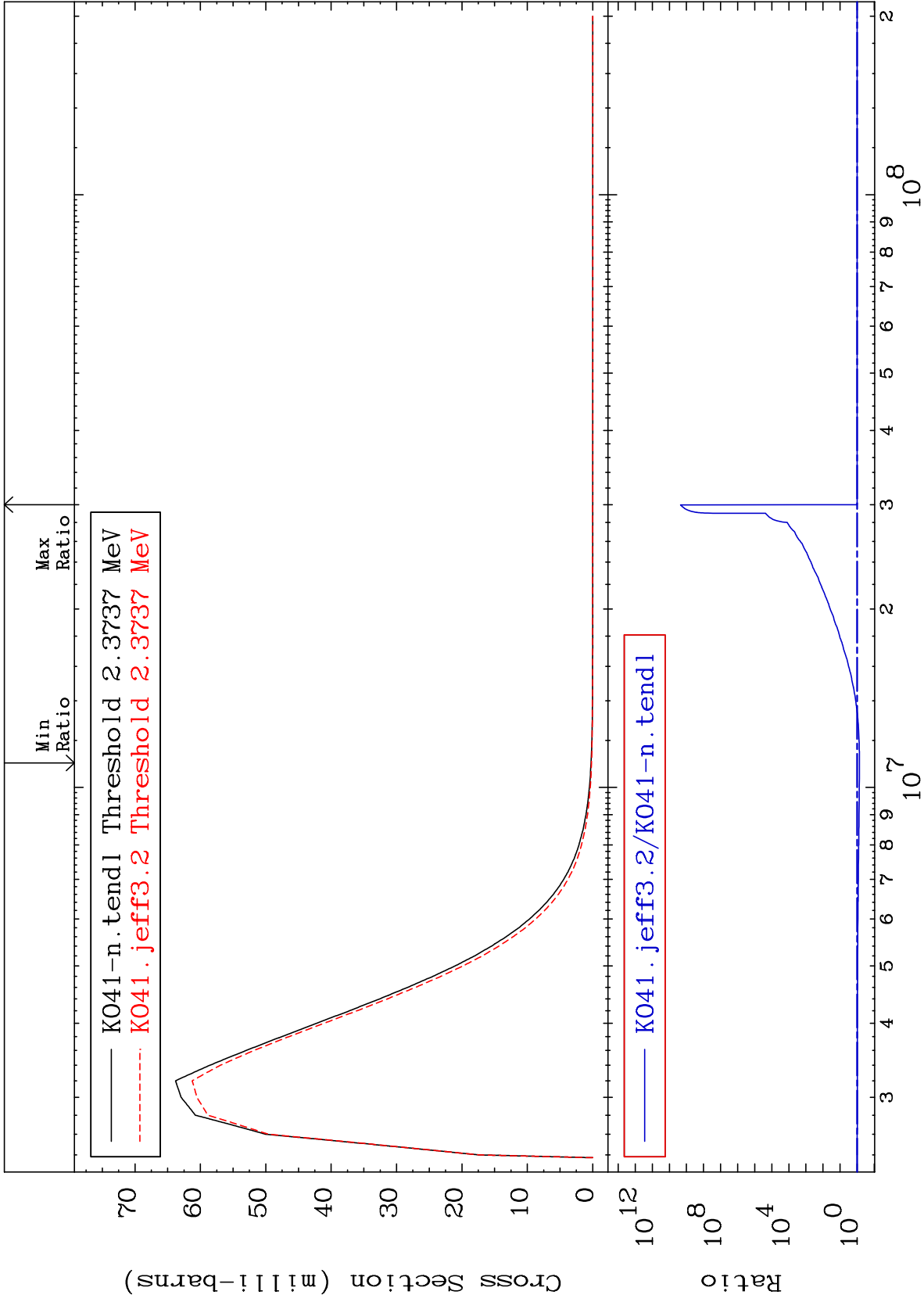


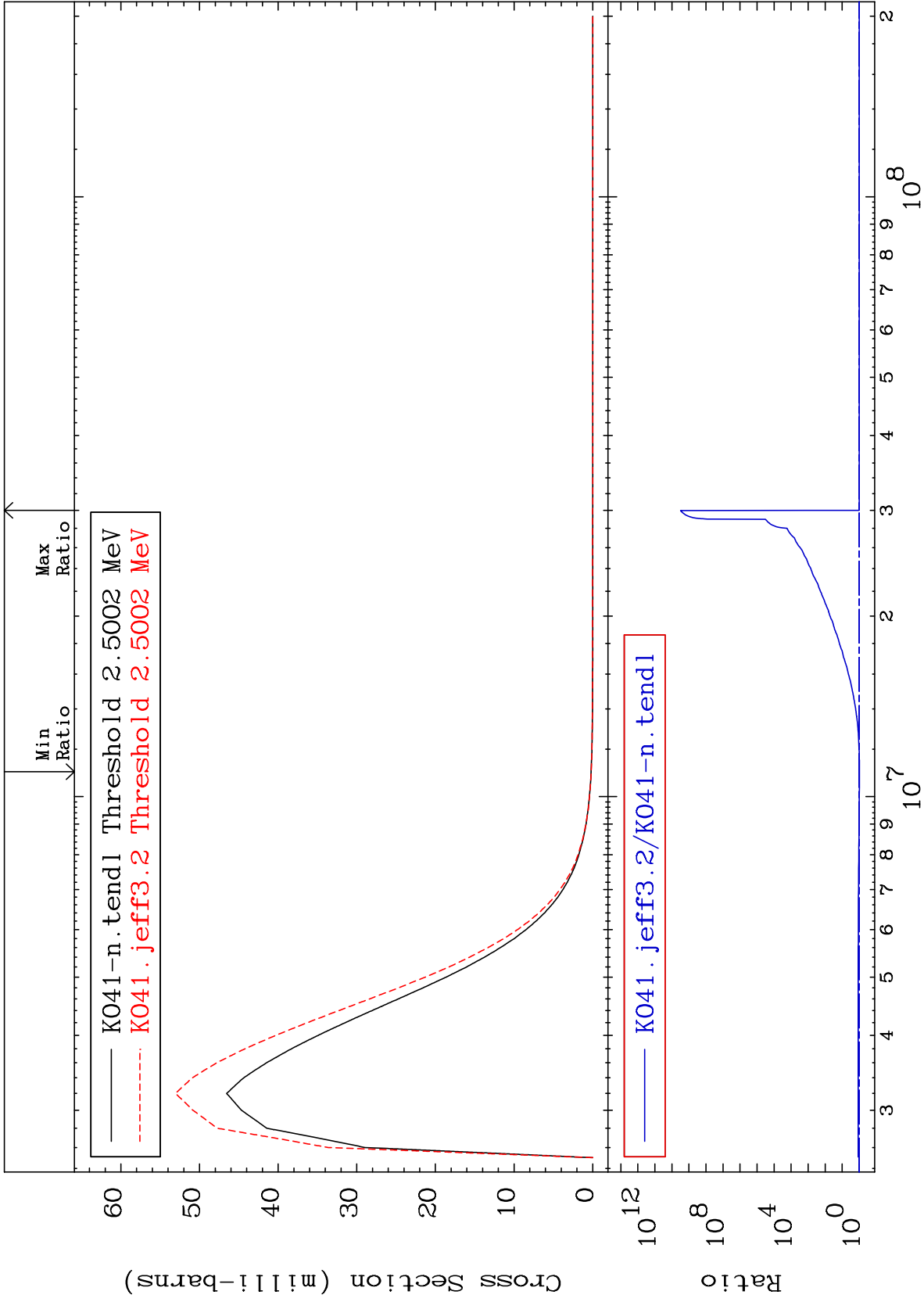
MAT 1931

2.167 MeV (n,n') Level  
Cross Section

19-K -41  
-100.0 To 190.6 %



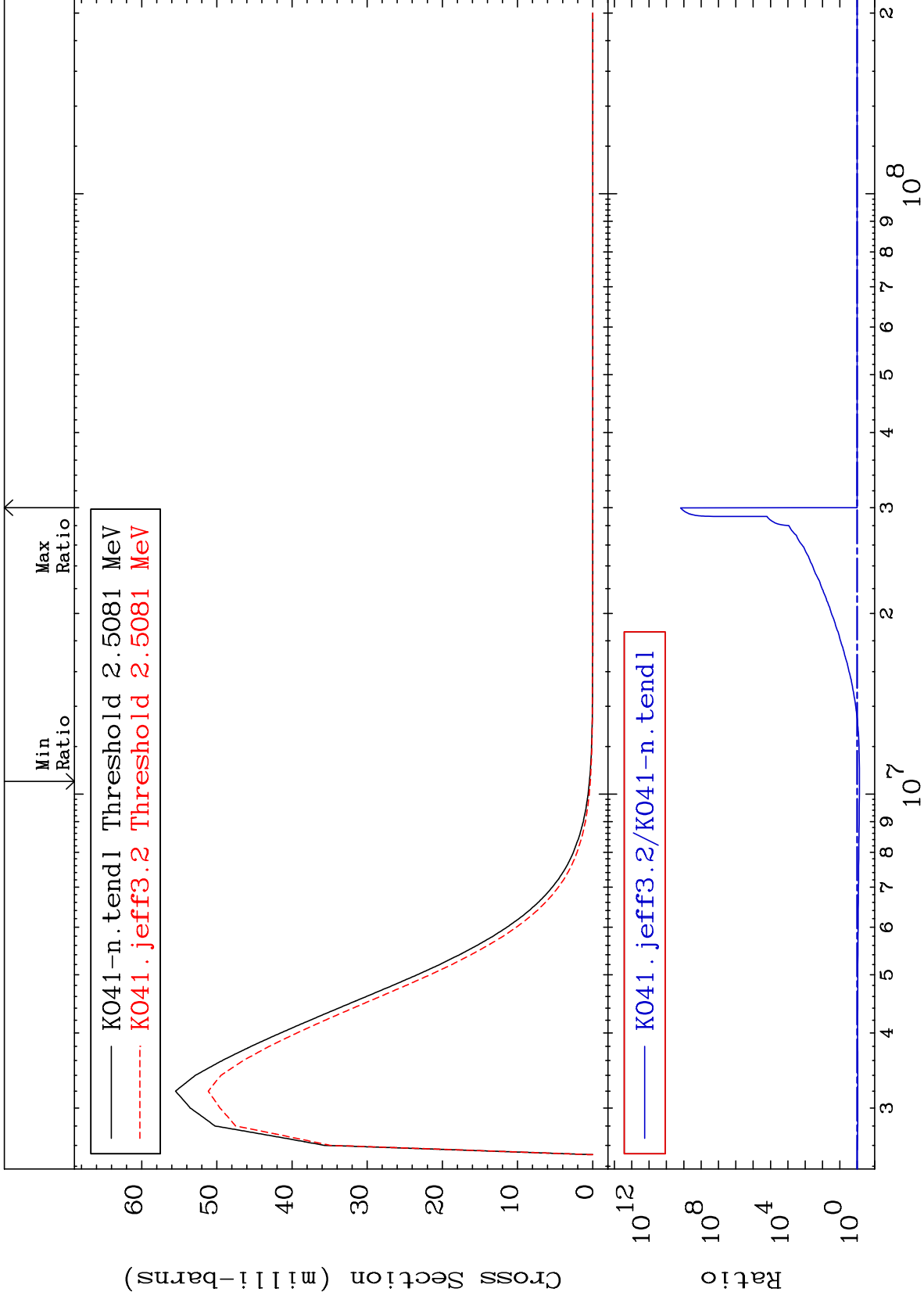




MAT 1931

2.448 MeV (n,n') Level  
Cross Section

19-K -41  
-25.33 To 9999. %



30

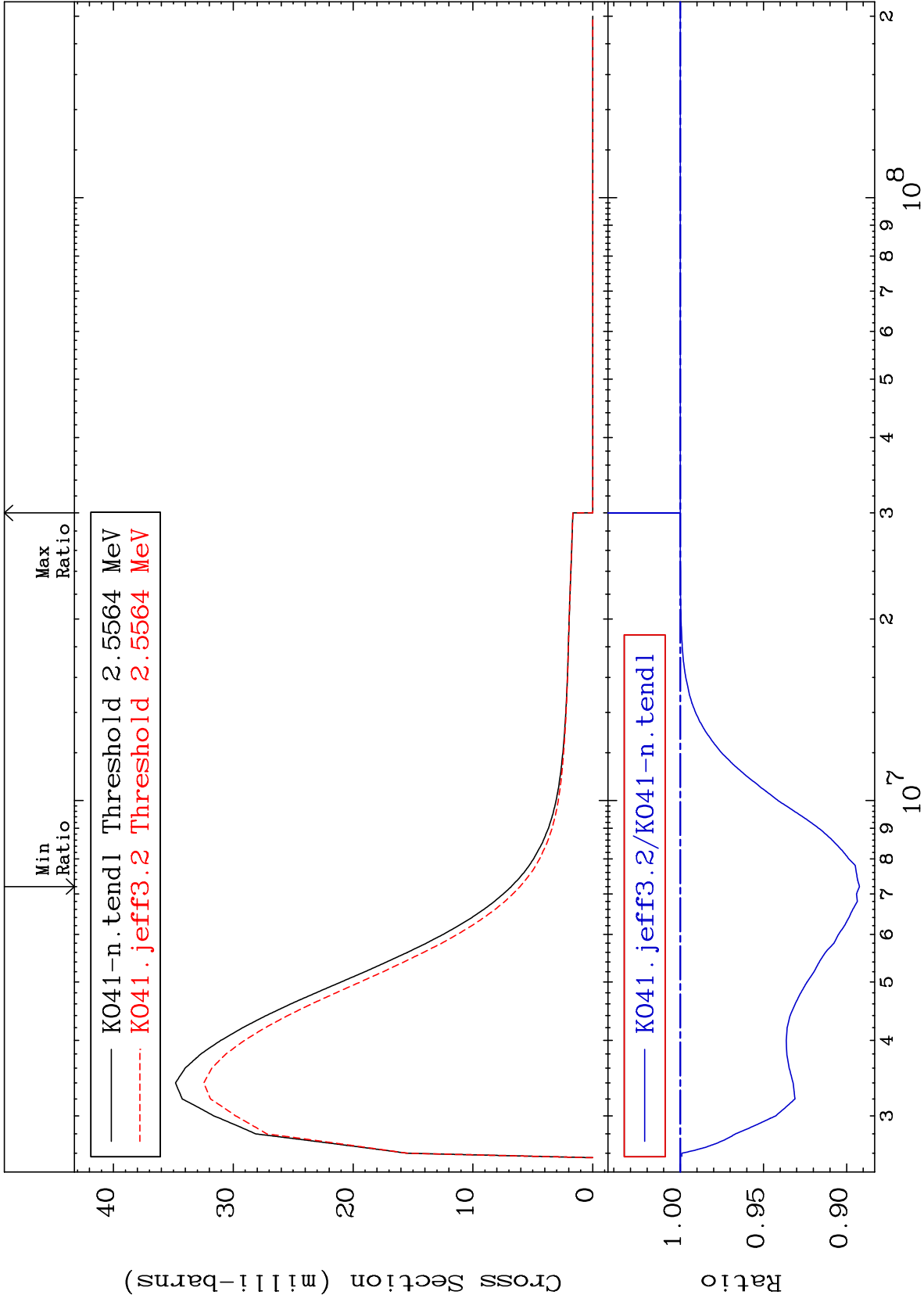
Incident Energy (eV)

19-K -41

MAT 1931

2.495 MeV (n,n') Level  
Cross Section

19-K -41  
-10.77 To 0.000 %



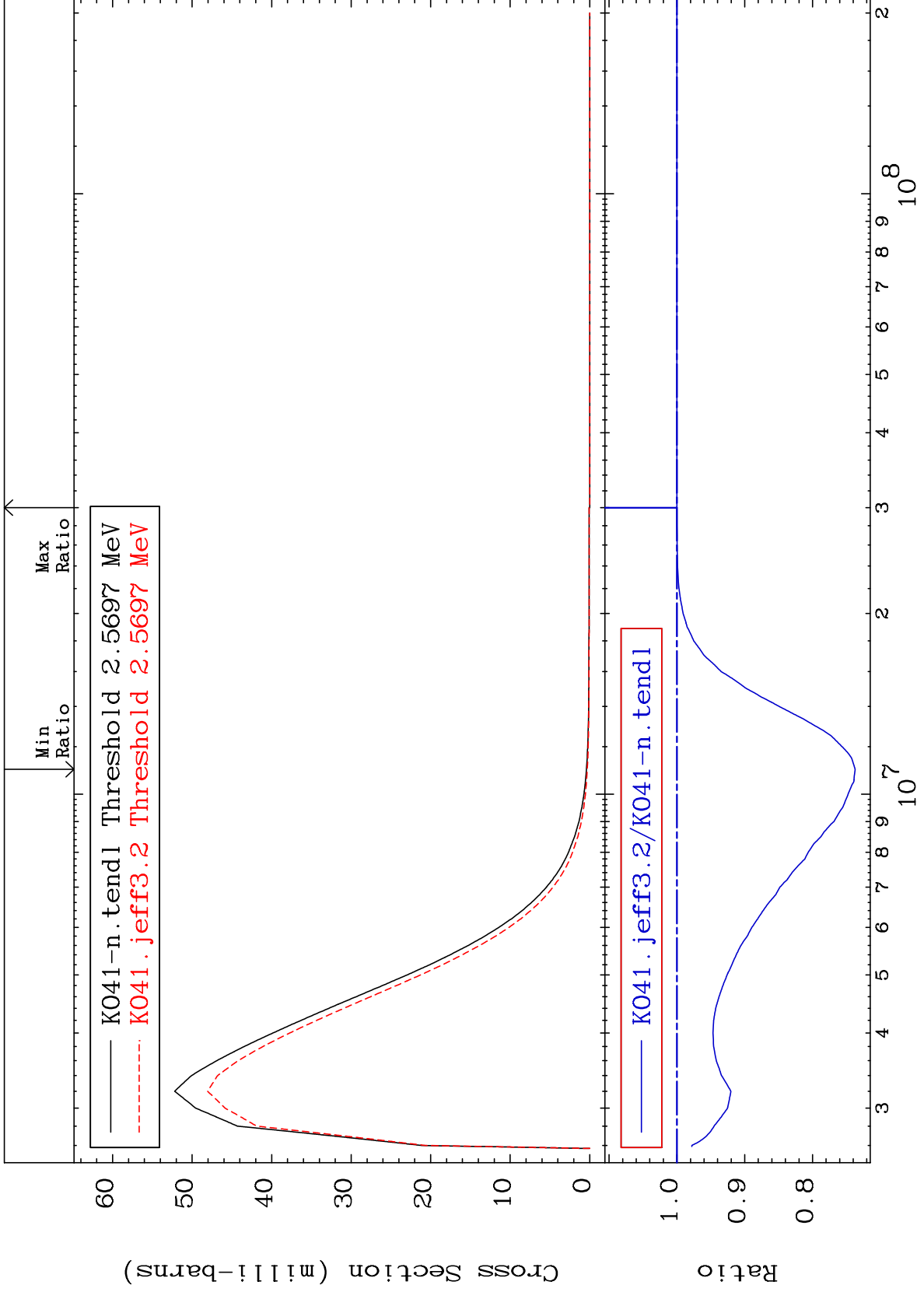
31

19-K -41

MAT 1931

2.508 MeV (n,n') Level  
Cross Section

19-K -41  
-26.28 To 0.000 %



32

Incident Energy (eV)

19-K -41

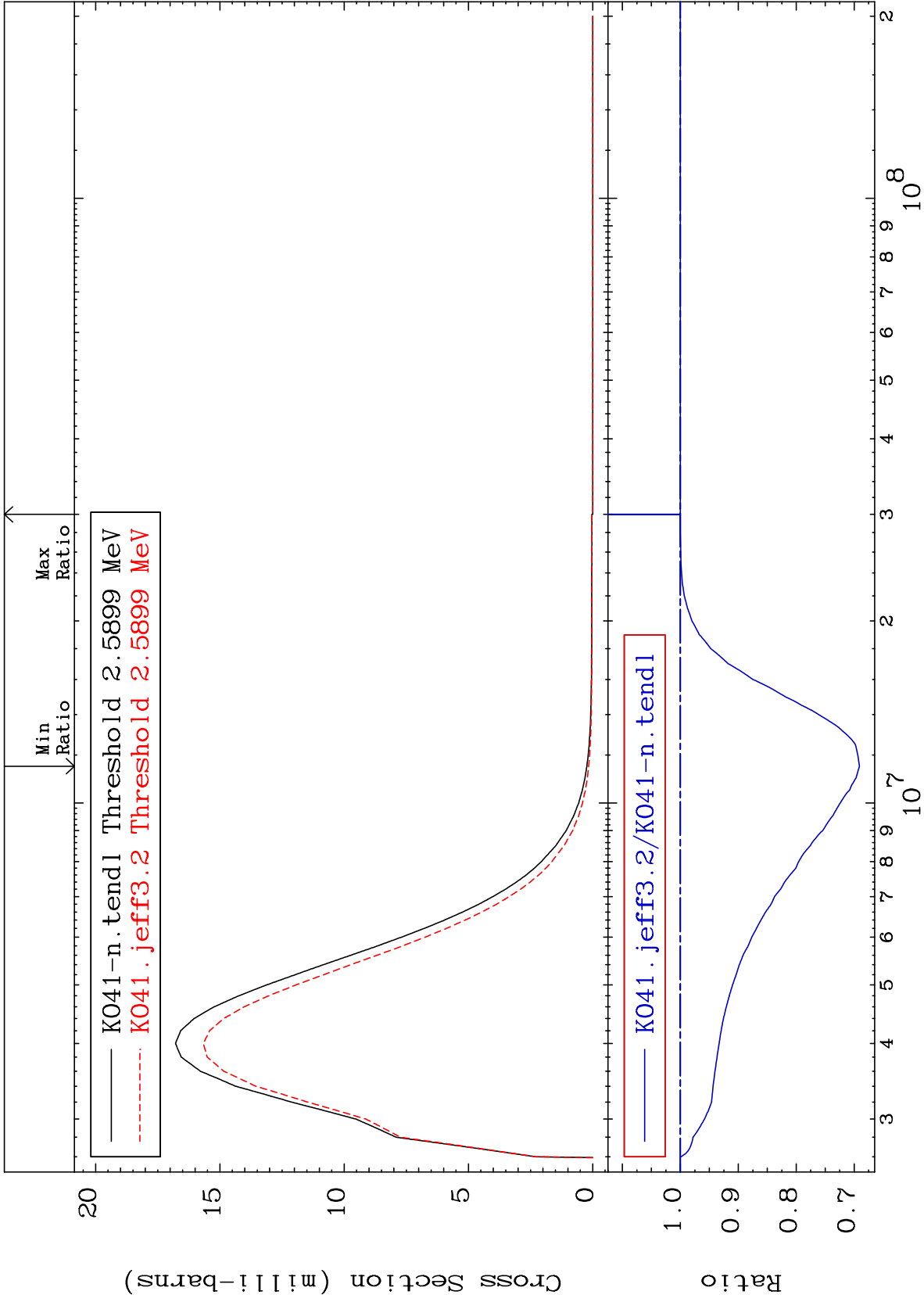


MAT 1931

2.528 MeV (n,n') Level

19-K -41

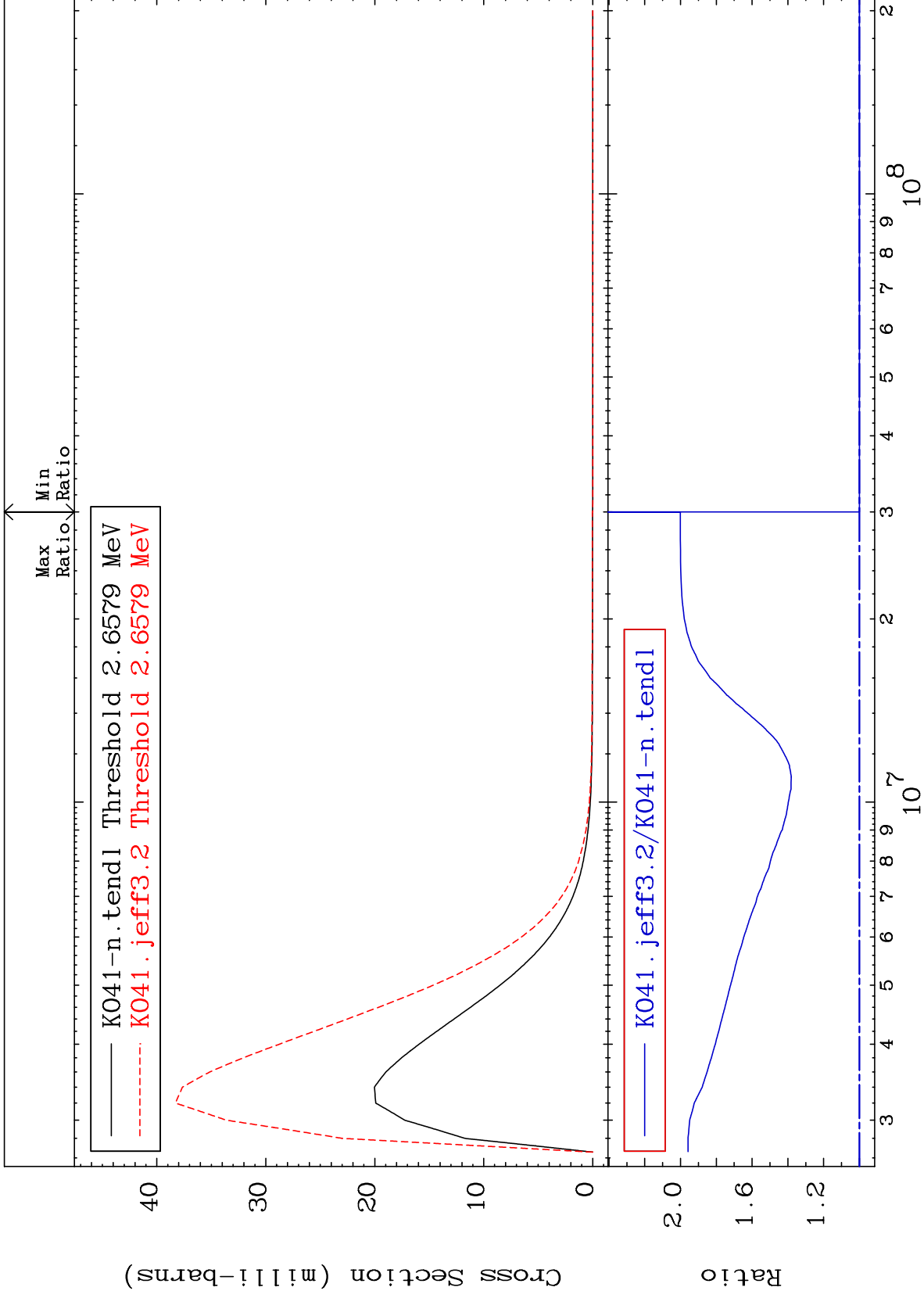
-30.90 To 0.000 %



MAT 1931

2.594 MeV (n,n') Level  
Cross Section

19-K -41  
0.000 To 100.1 %



34

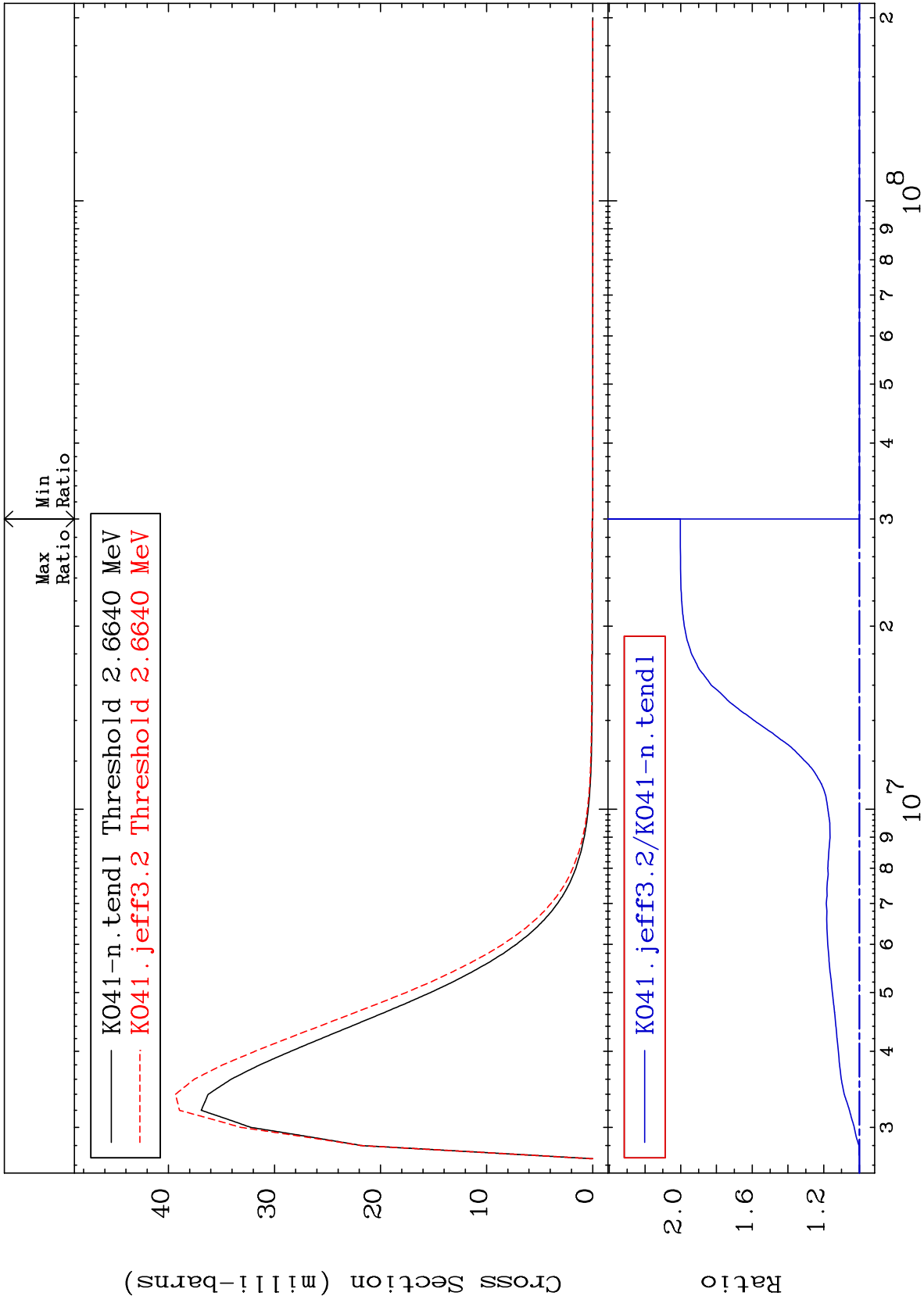
Incident Energy (eV)

19-K -41

MAT 1931

2.600 MeV (n,n') Level  
Cross Section

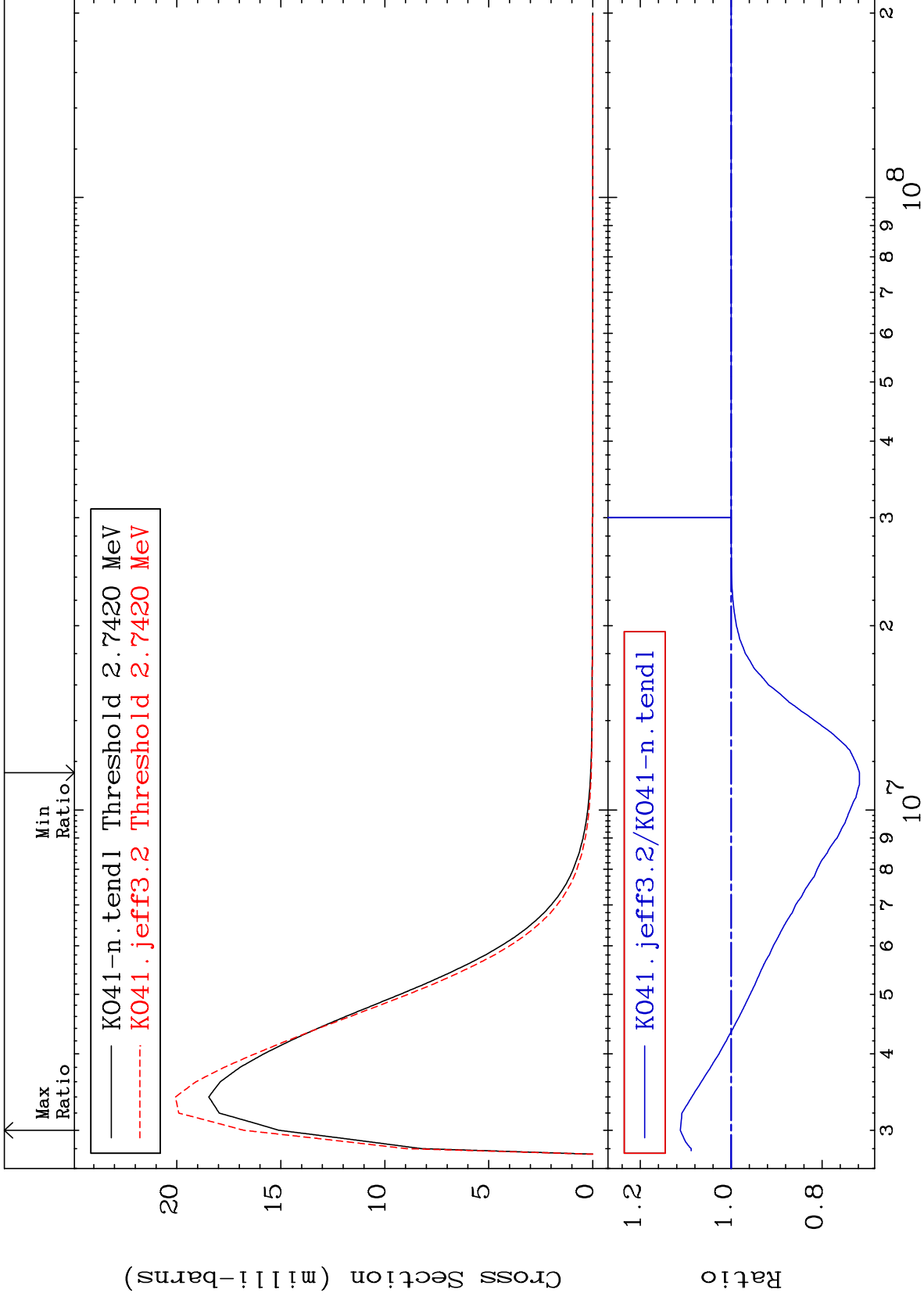
19-K -41  
0.000 To 100.2 %



35

Incident Energy (eV)

19-K -41

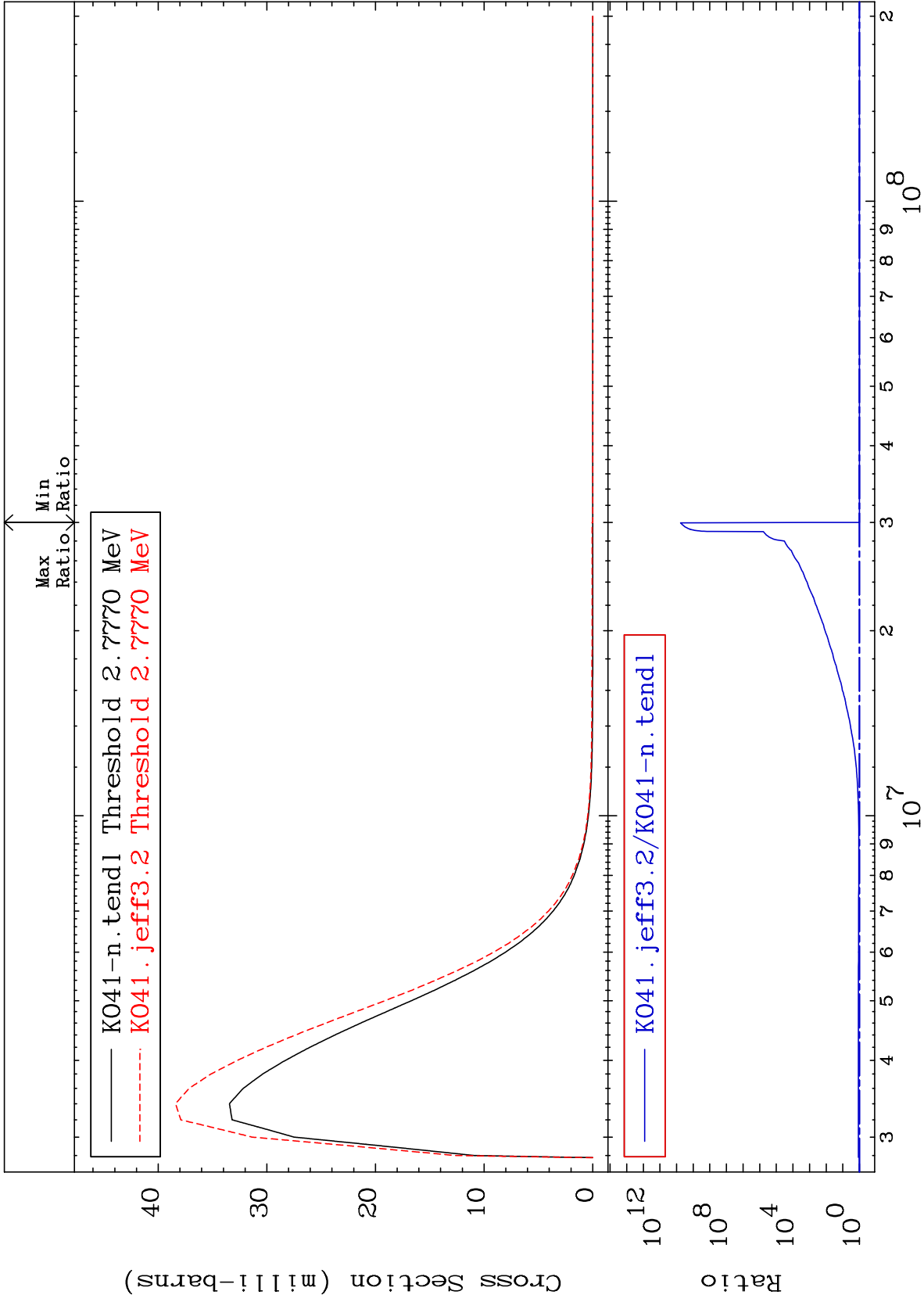


MAT 1931

2.710 MeV (n,n') Level

19-K -41

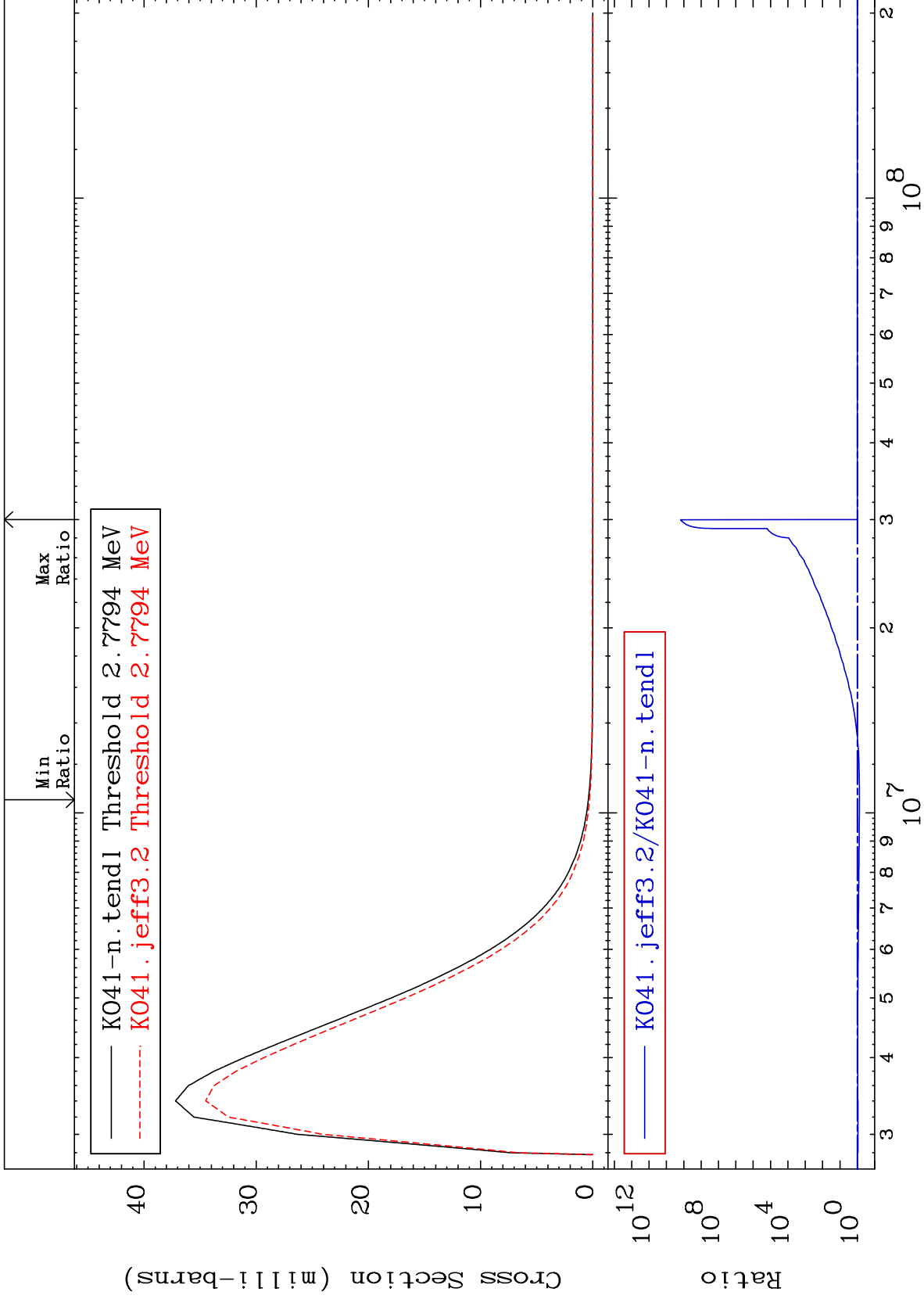
0.000 To 9999. %



37

Incident Energy (eV)

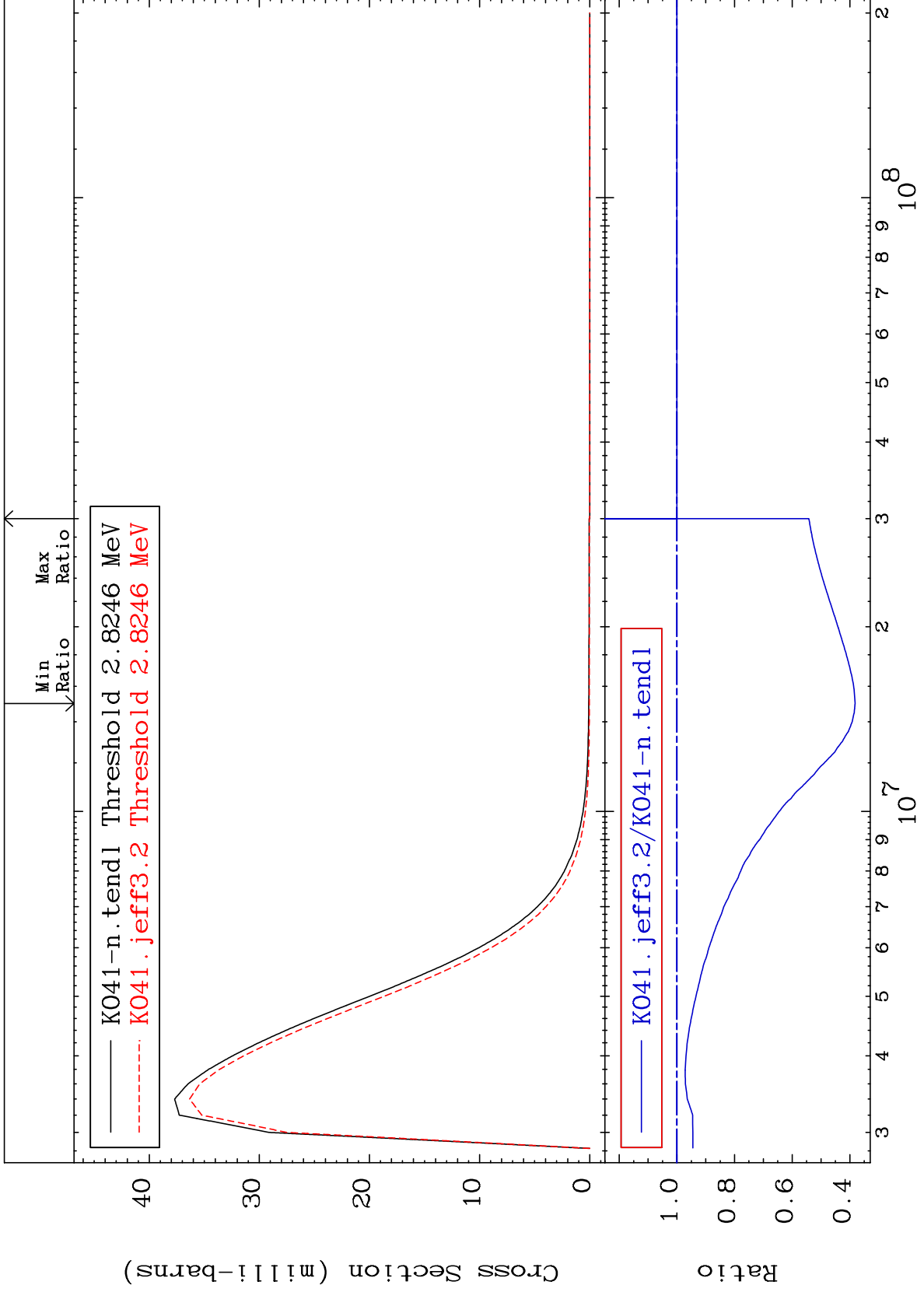
19-K -41



MAT 1931

2.757 MeV (n,n') Level  
Cross Section

19-K -41  
-61.83 To 0.000 %



39

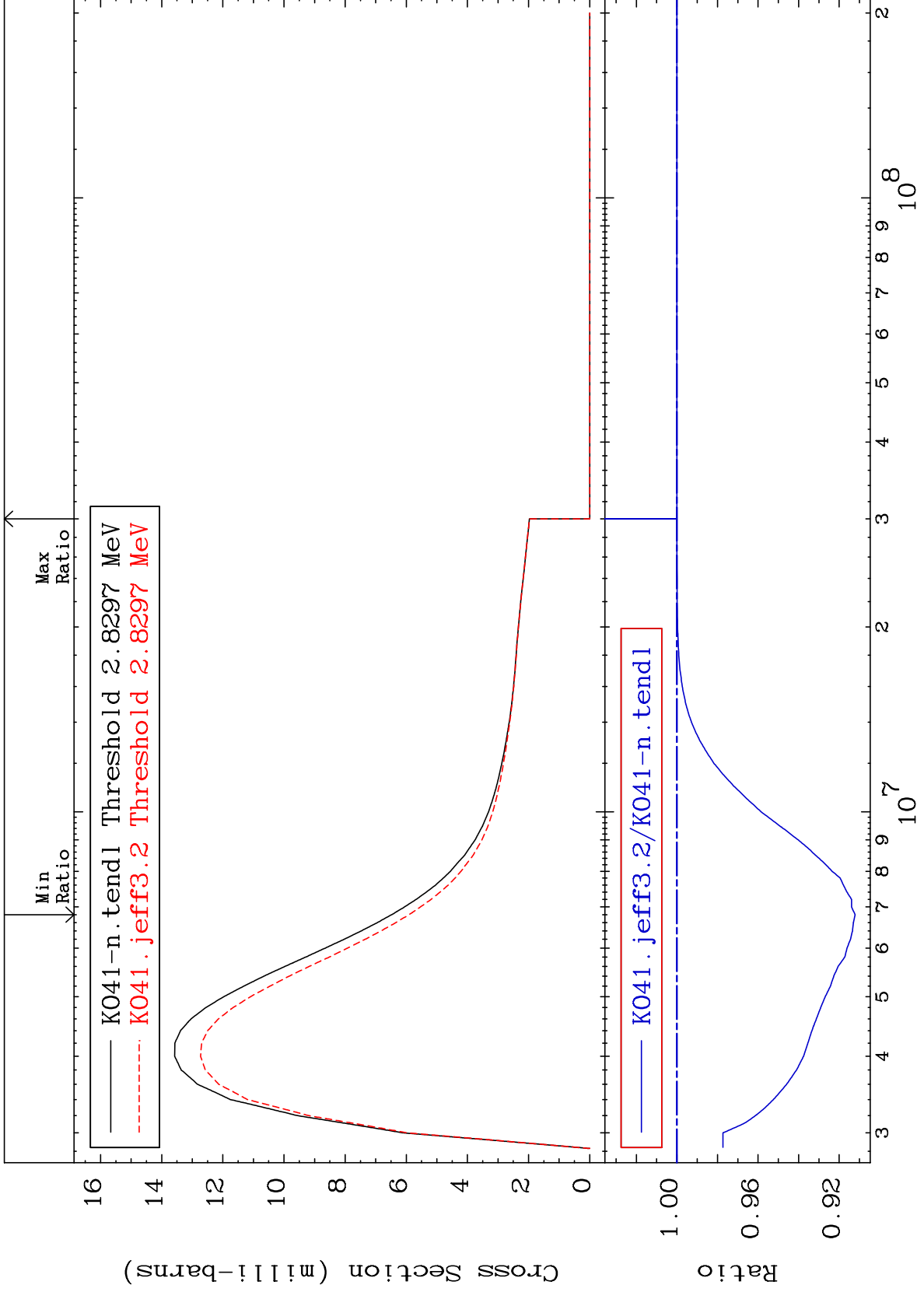
Incident Energy (eV)

19-K -41

MAT 1931

2.762 MeV (n,n') Level  
Cross Section

19-K -41  
-8.783 To 0.000 %



40

Incident Energy (eV)

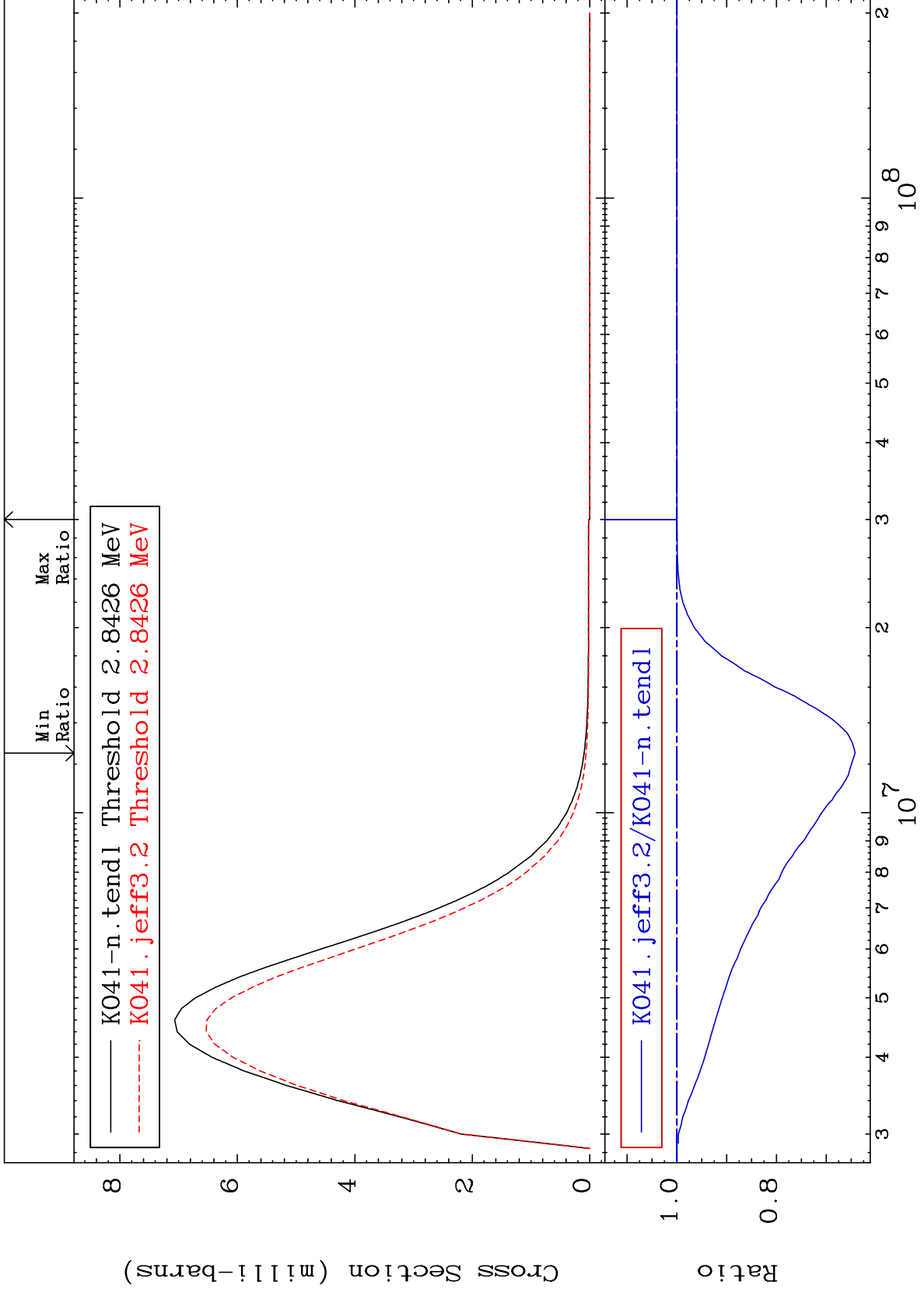
19-K -41



MAT 1931

2.774 MeV (n,n') Level  
Cross Section

19-K -41  
-35.80 To 0.000 %



41

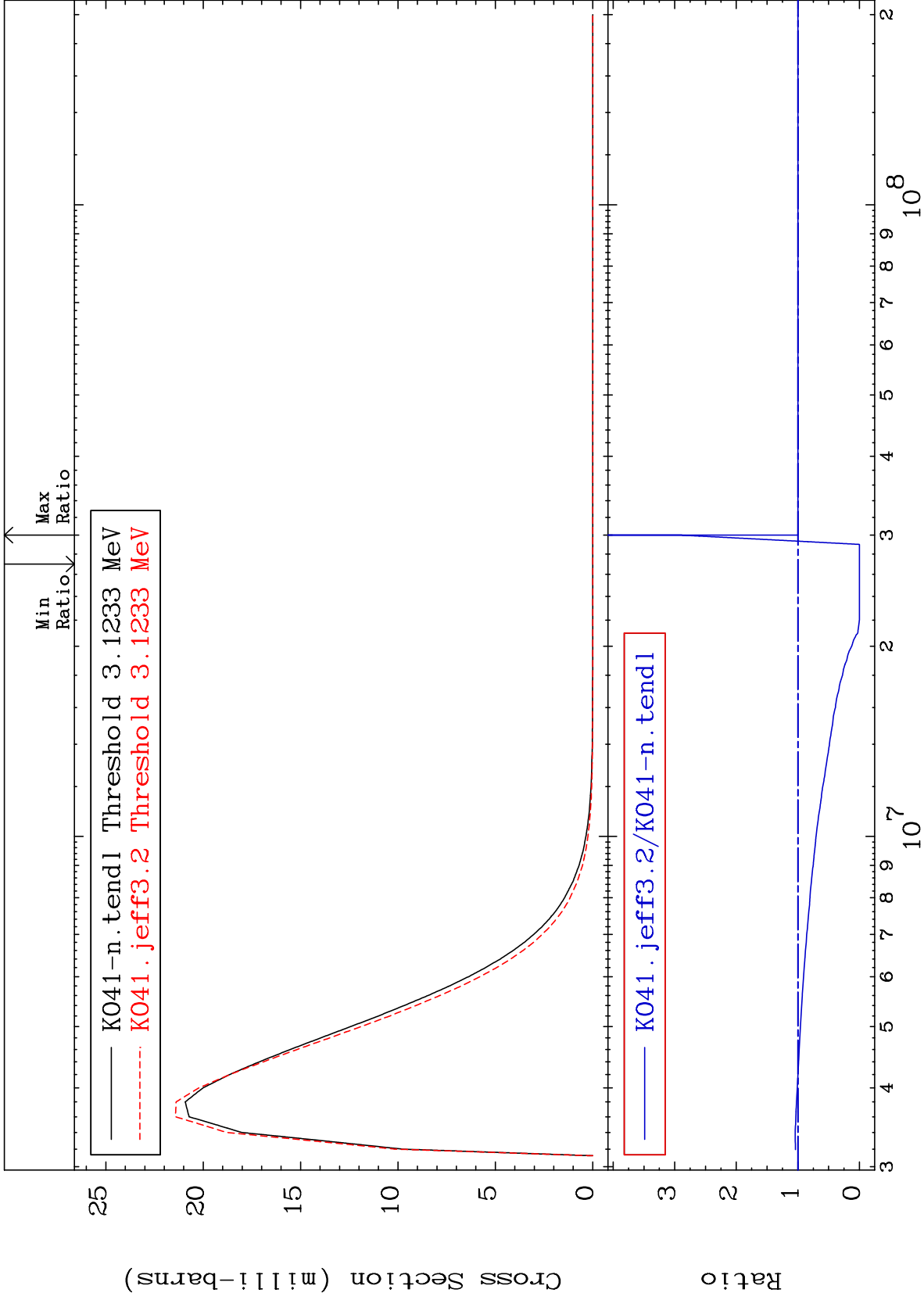
Incident Energy (eV)

19-K -41

MAT 1931

3.048 MeV (n,n') Level  
Cross Section

19-K -41  
-100.0 To 190.9 %



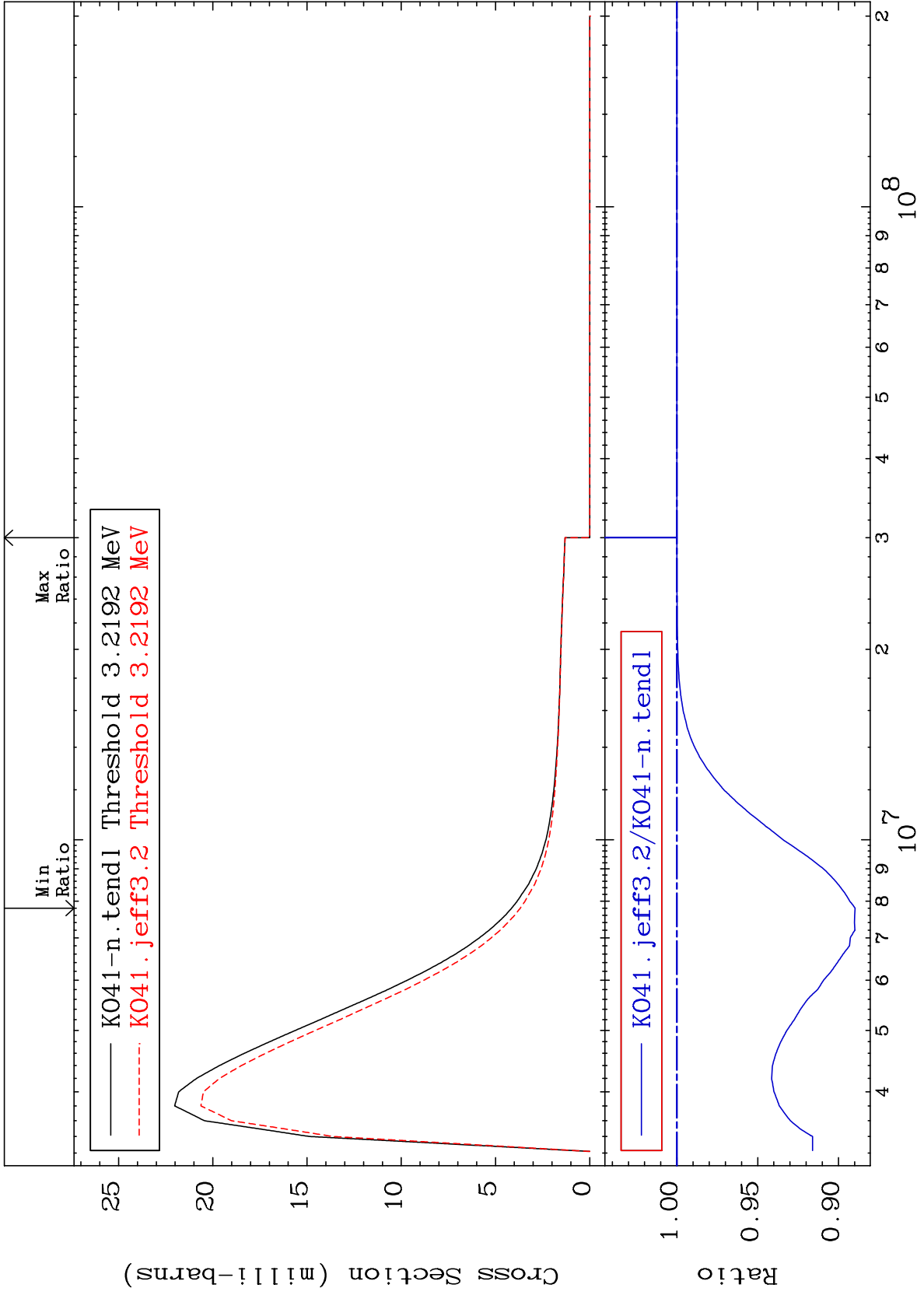
42

19-K -41

MAT 1931

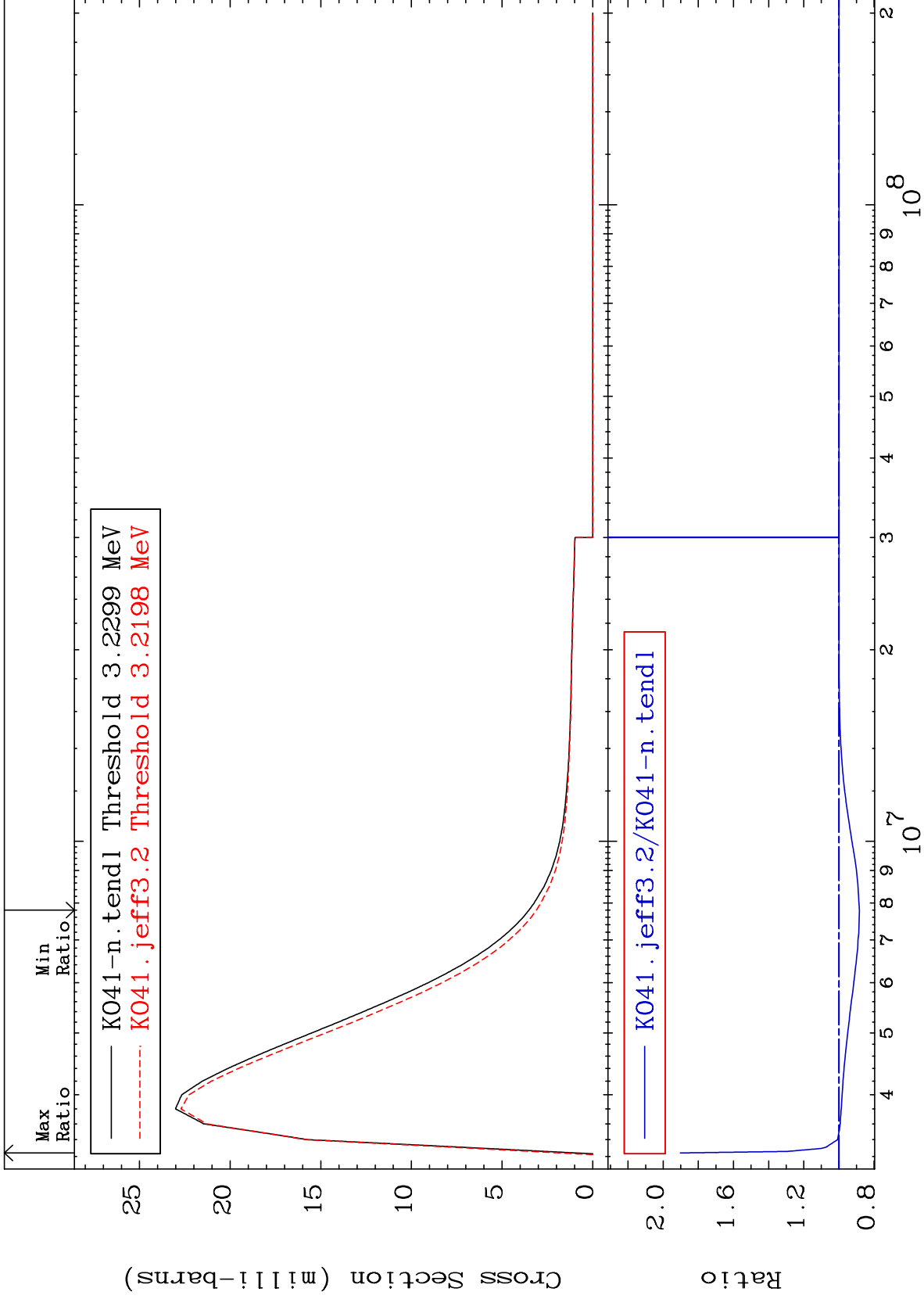
3.142 MeV (n,n') Level  
Cross Section

19-K -41  
-11.03 To 0.000 %



43

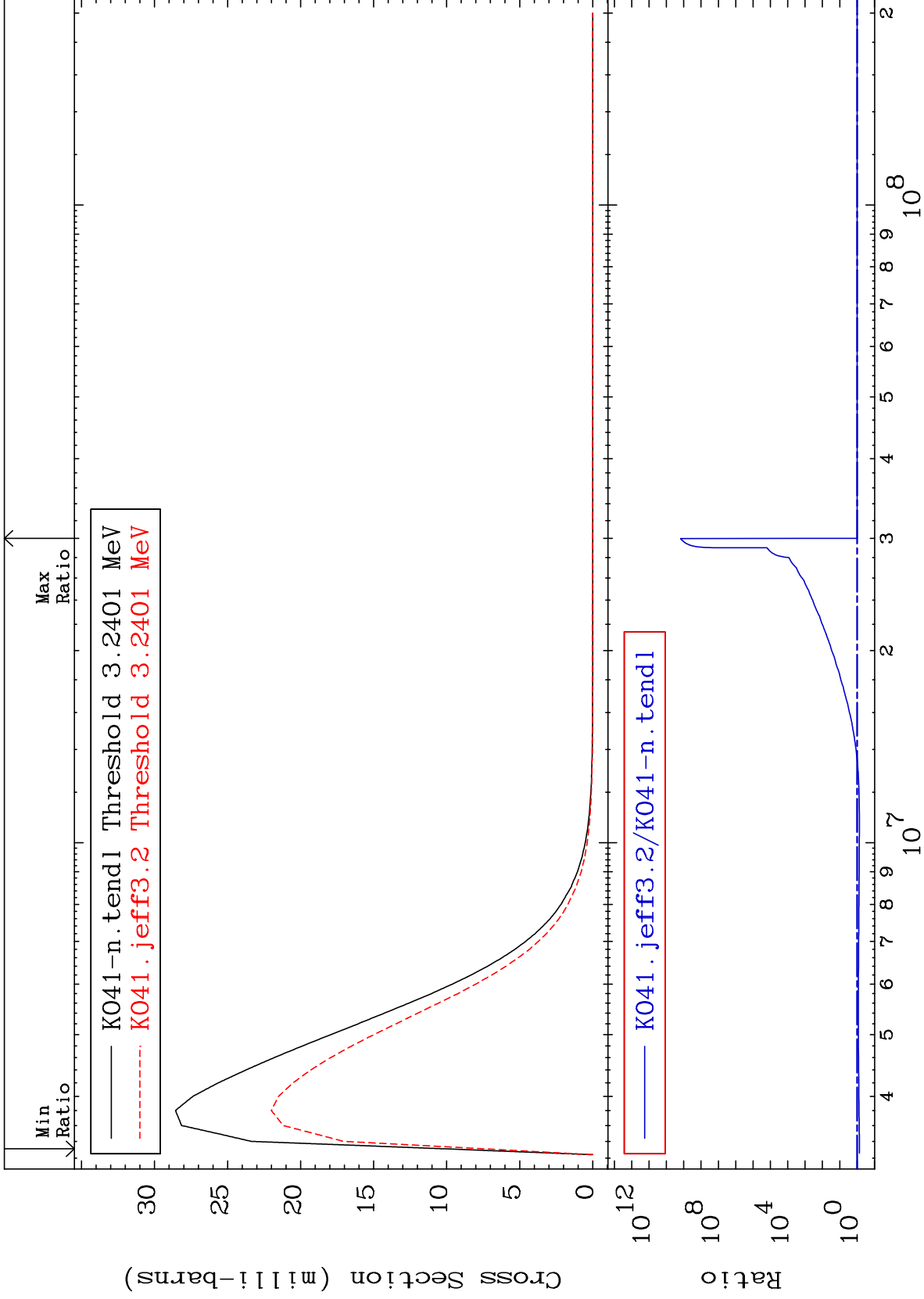
19-K -41

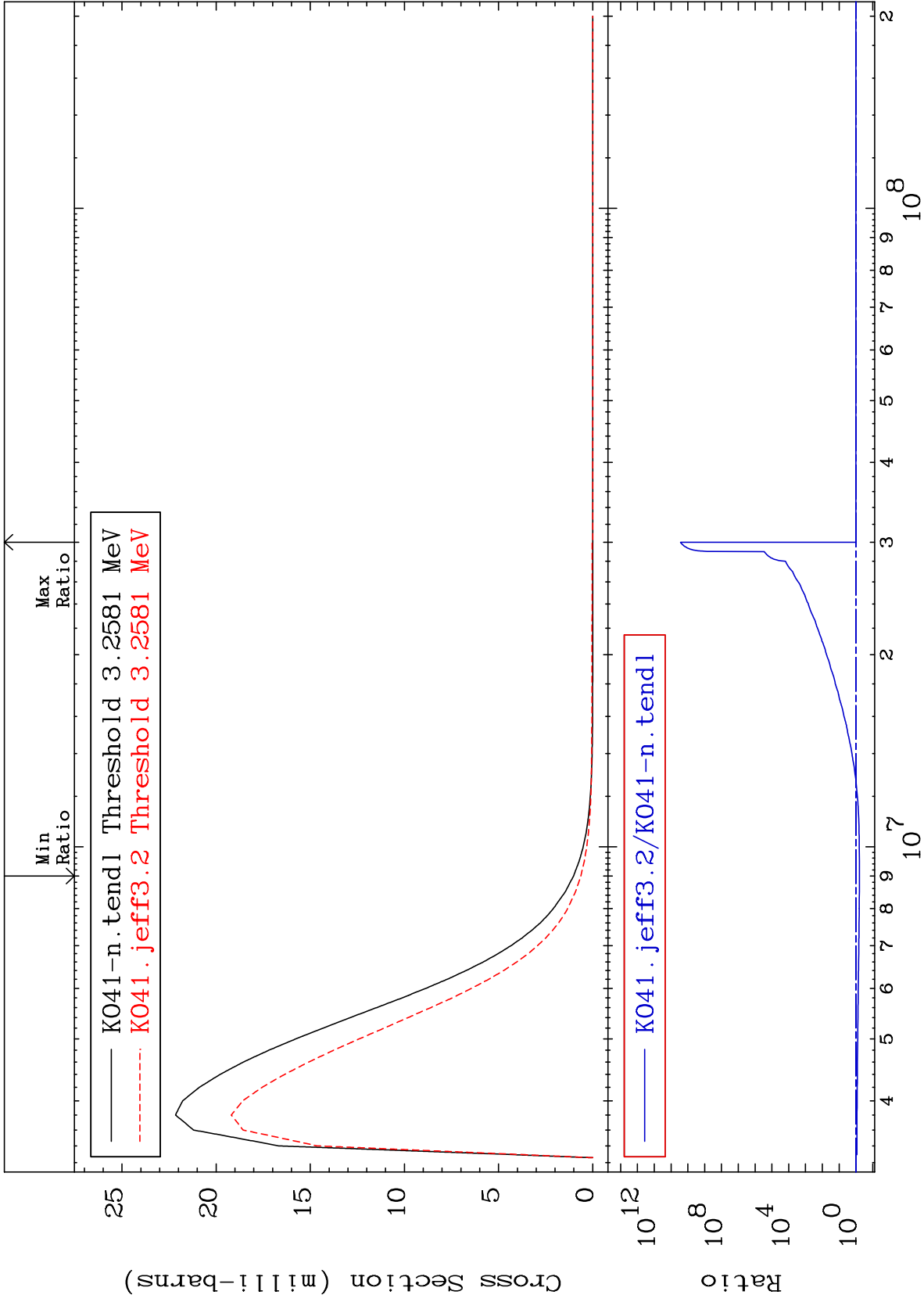


MAT 1931

3.162 MeV (n,n') Level  
Cross Section

19-K -41  
-26.96 To 9999. %

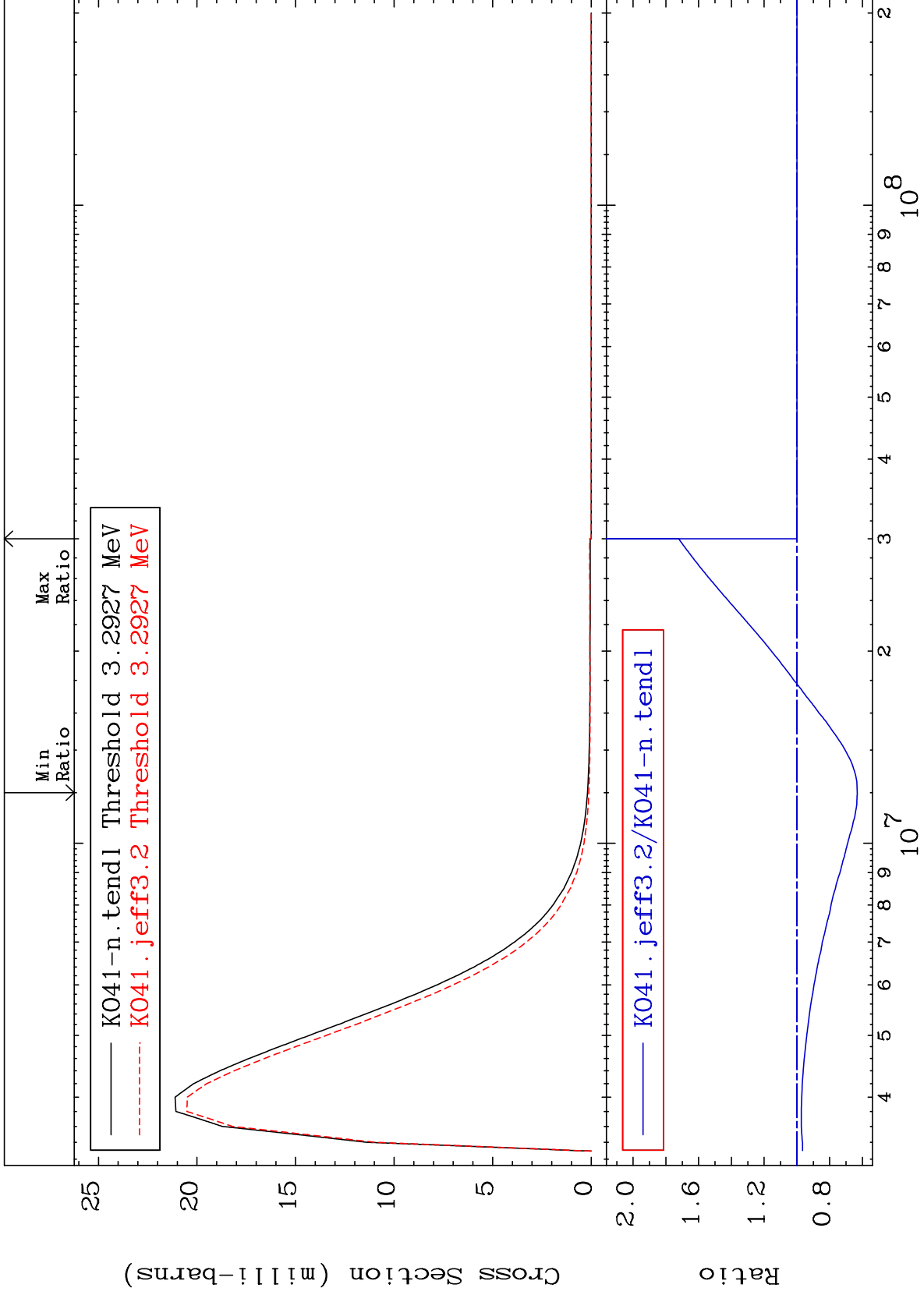




MAT 1931

3.214 MeV (n,n') Level  
Cross Section

19-K -41  
-36.86 To 72.21 %



47

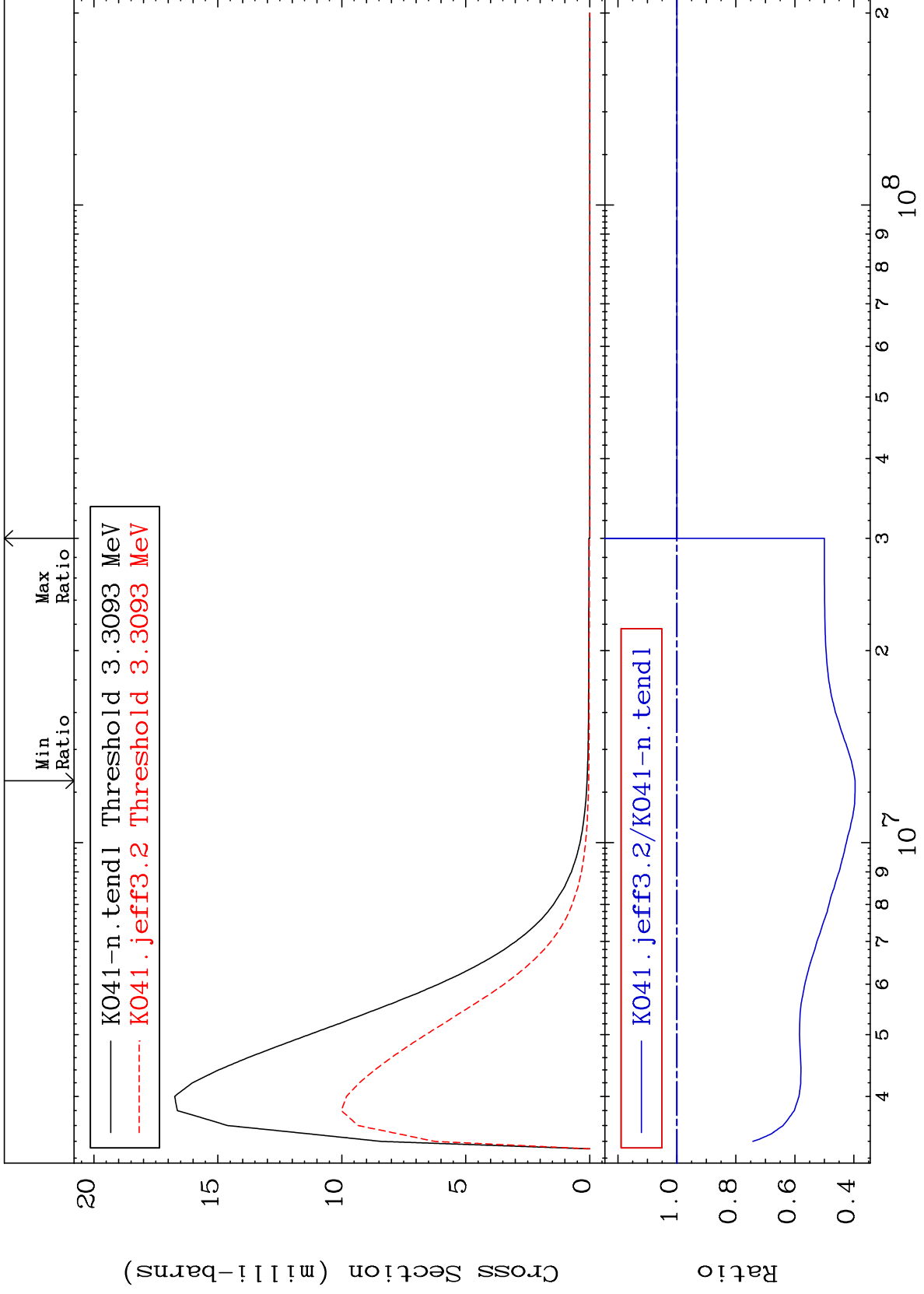
Incident Energy (eV)

19-K -41

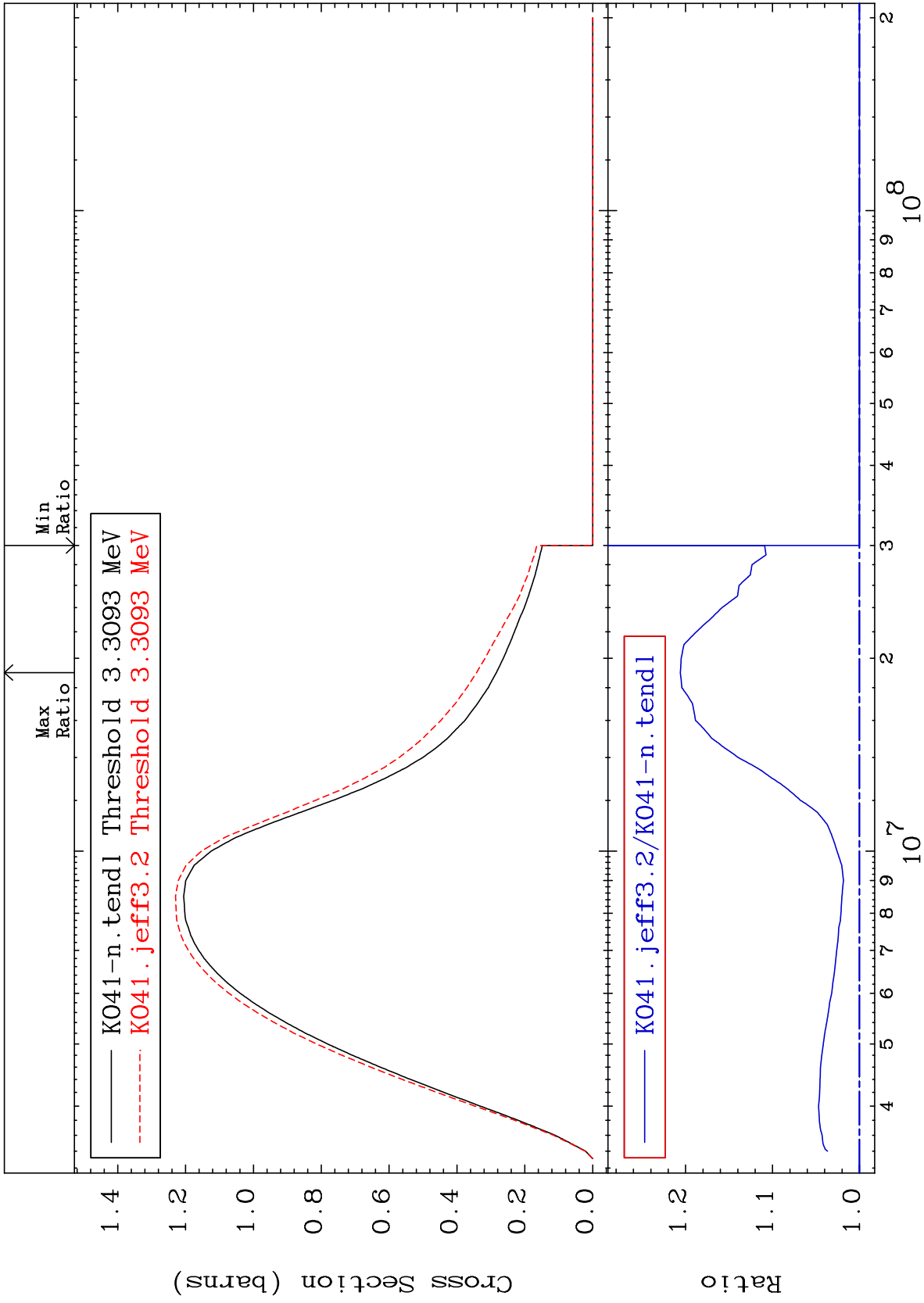
MAT 1931

3.230 MeV (n,n') Level  
Cross Section

19-K -41  
-60.43 To 0.000 %







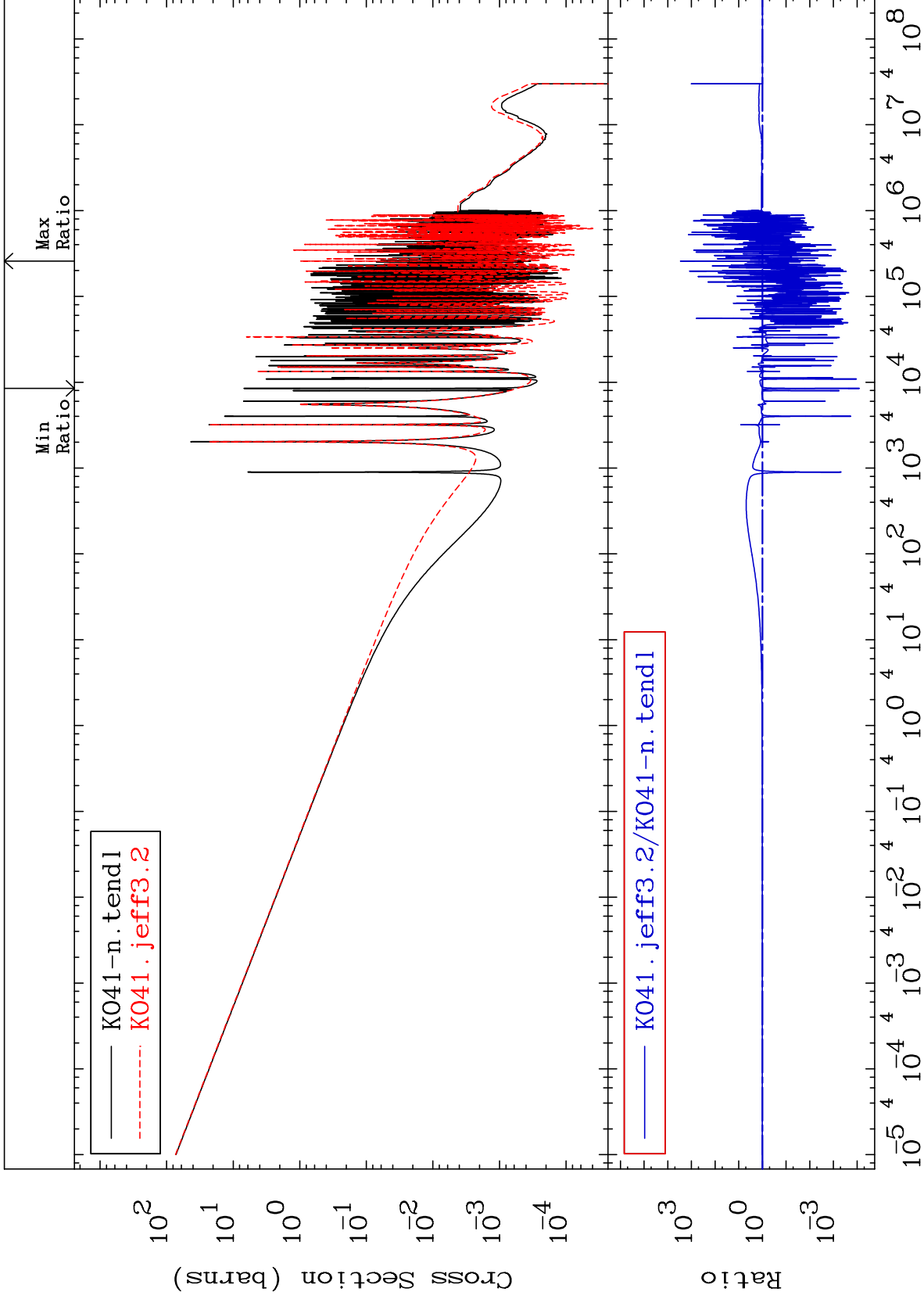
MAT 1931

(n,  $\gamma$ )

19-K -41

Cross Section

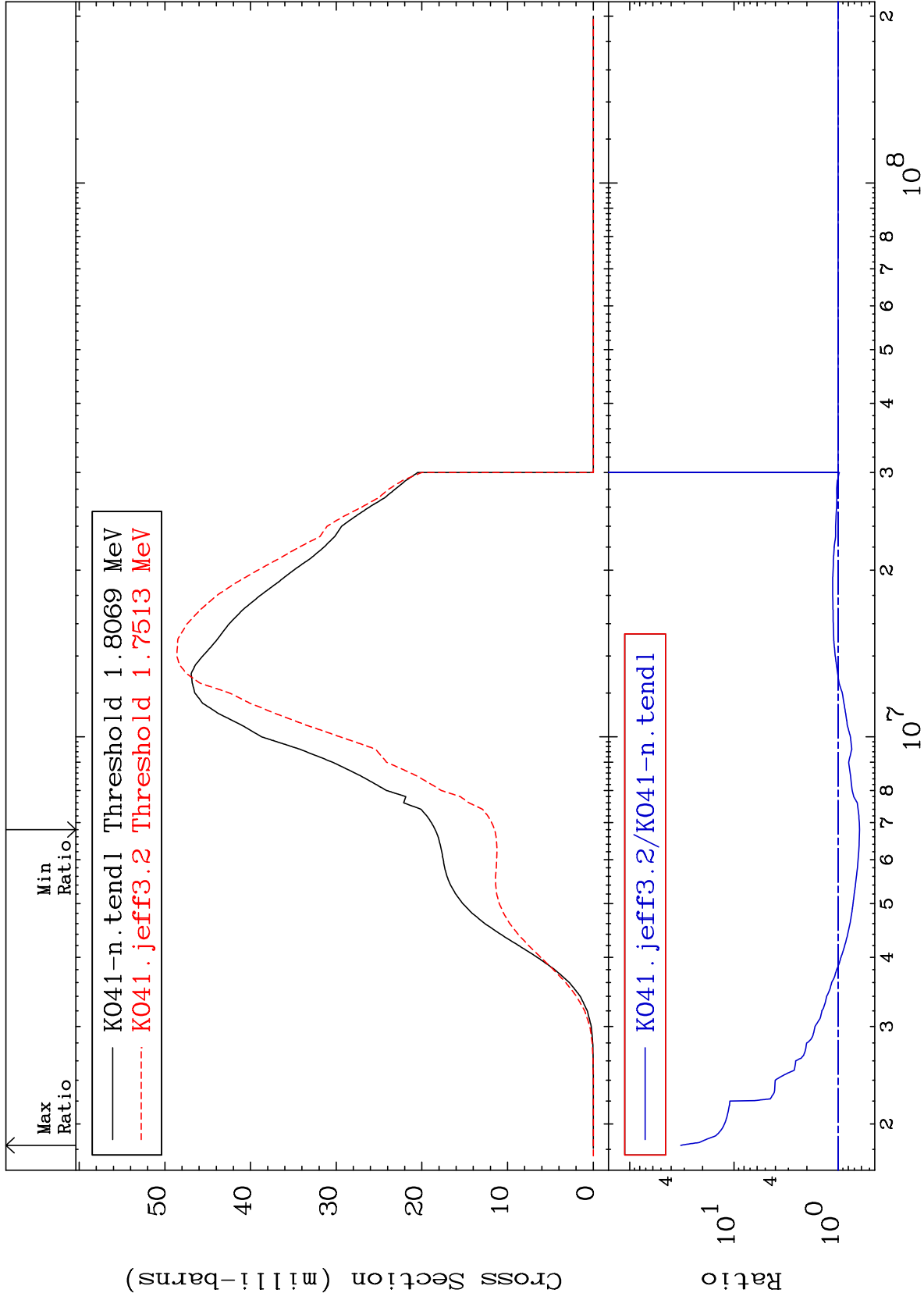
-99.99 To 9999. %



Incident Energy (eV)

19-K -41

50



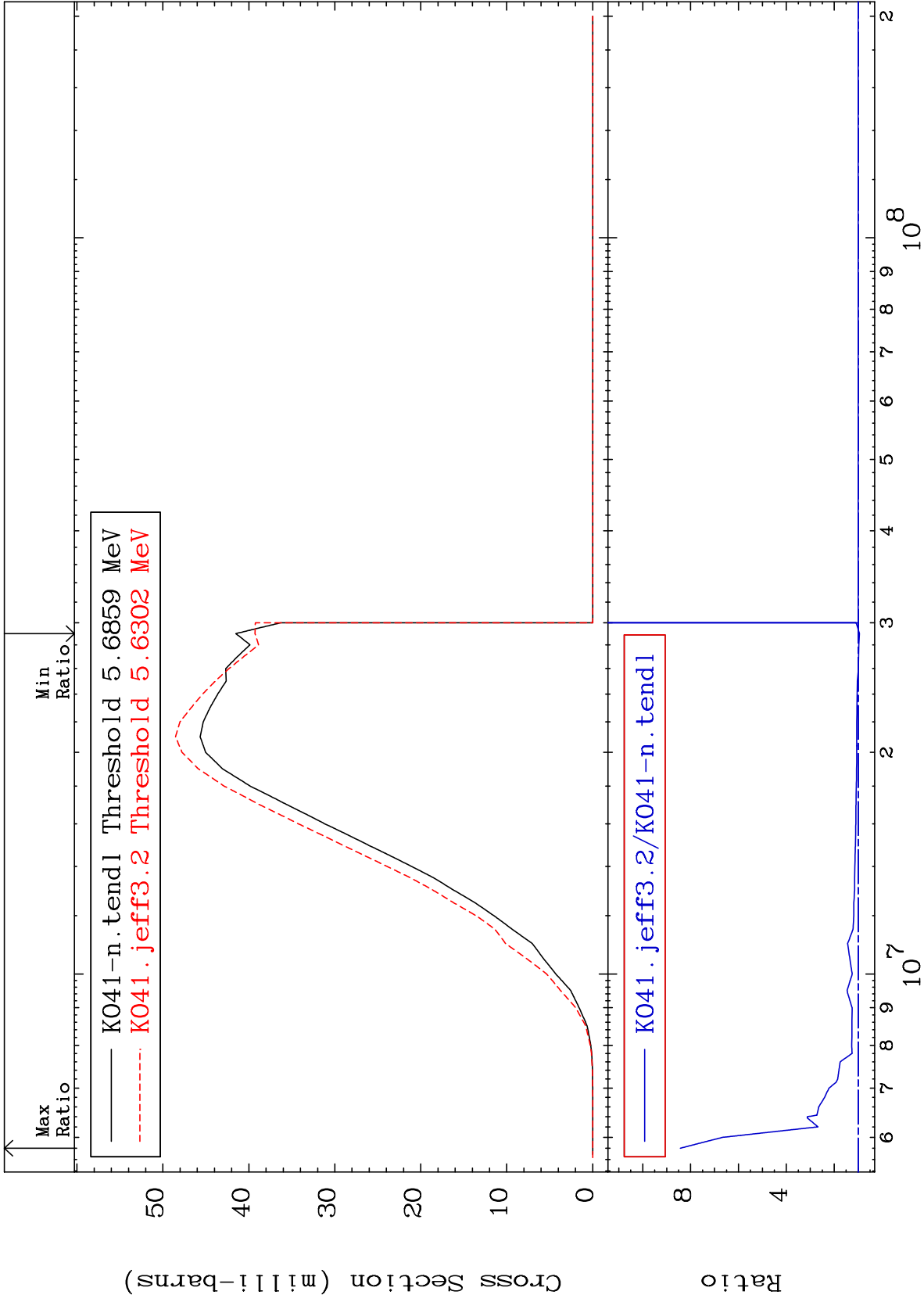
MAT 1931

(n, d)

19-K -41

Cross Section

-5.380 To 742.8 %

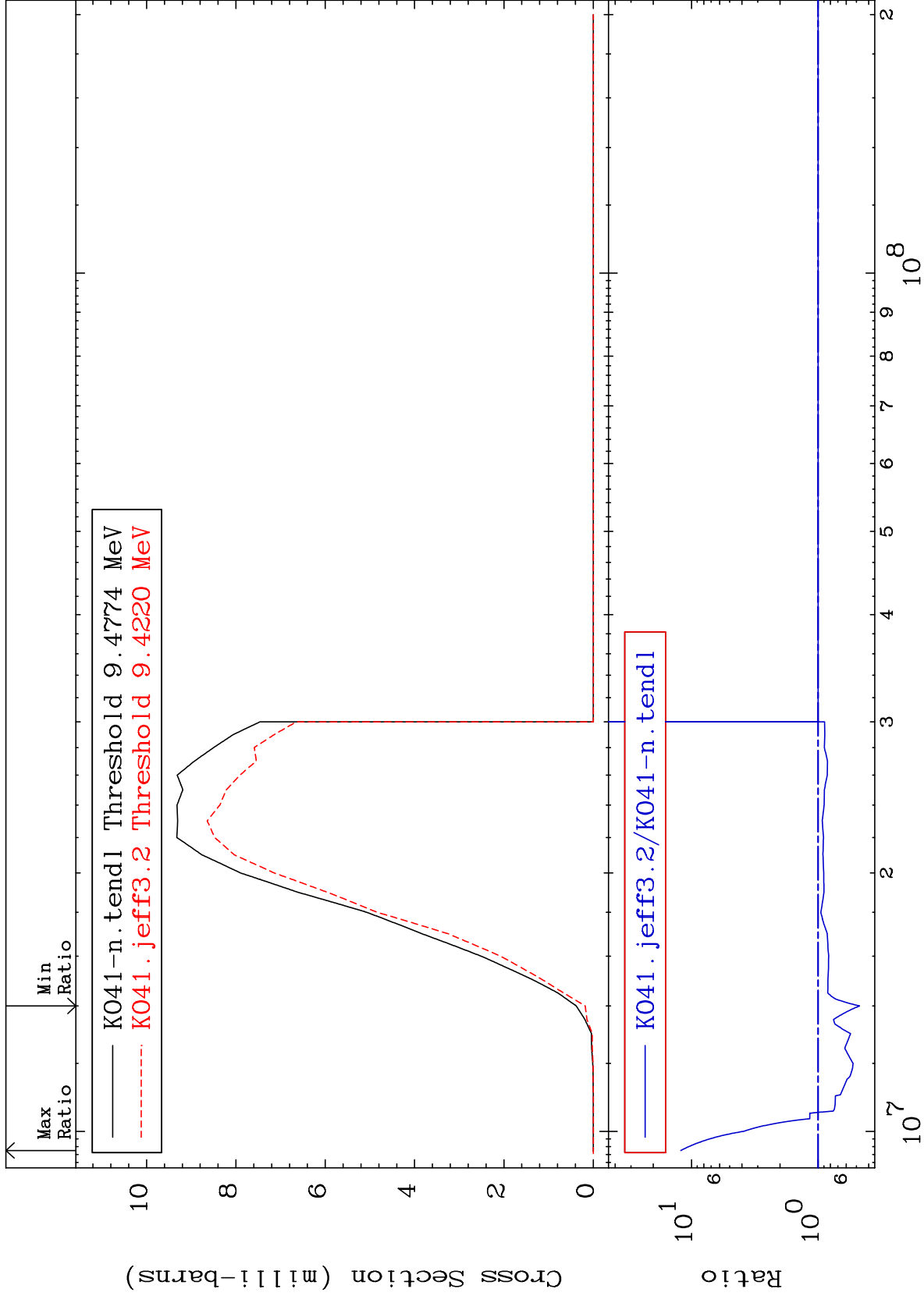


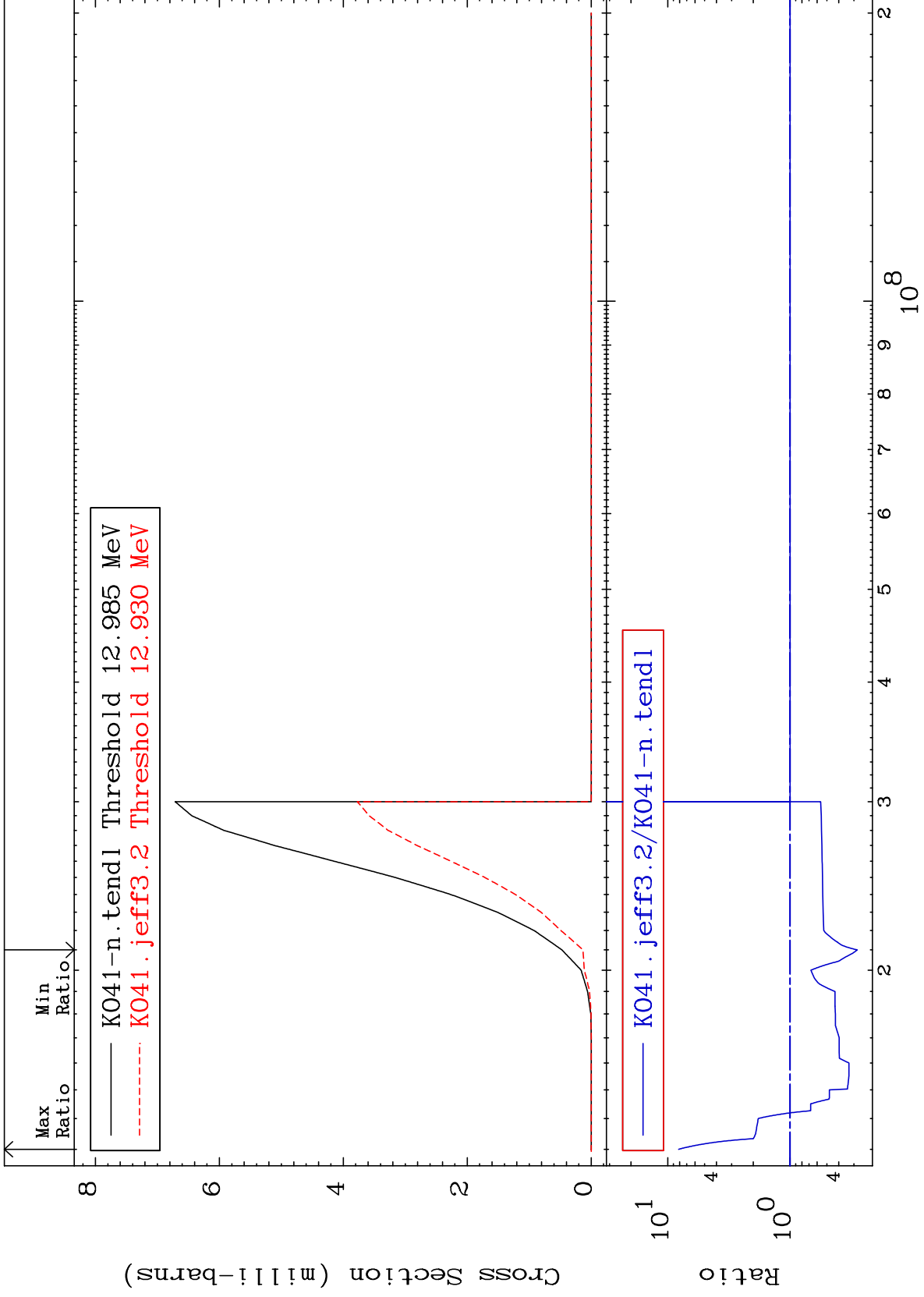
52

19-K -41

Cross Section

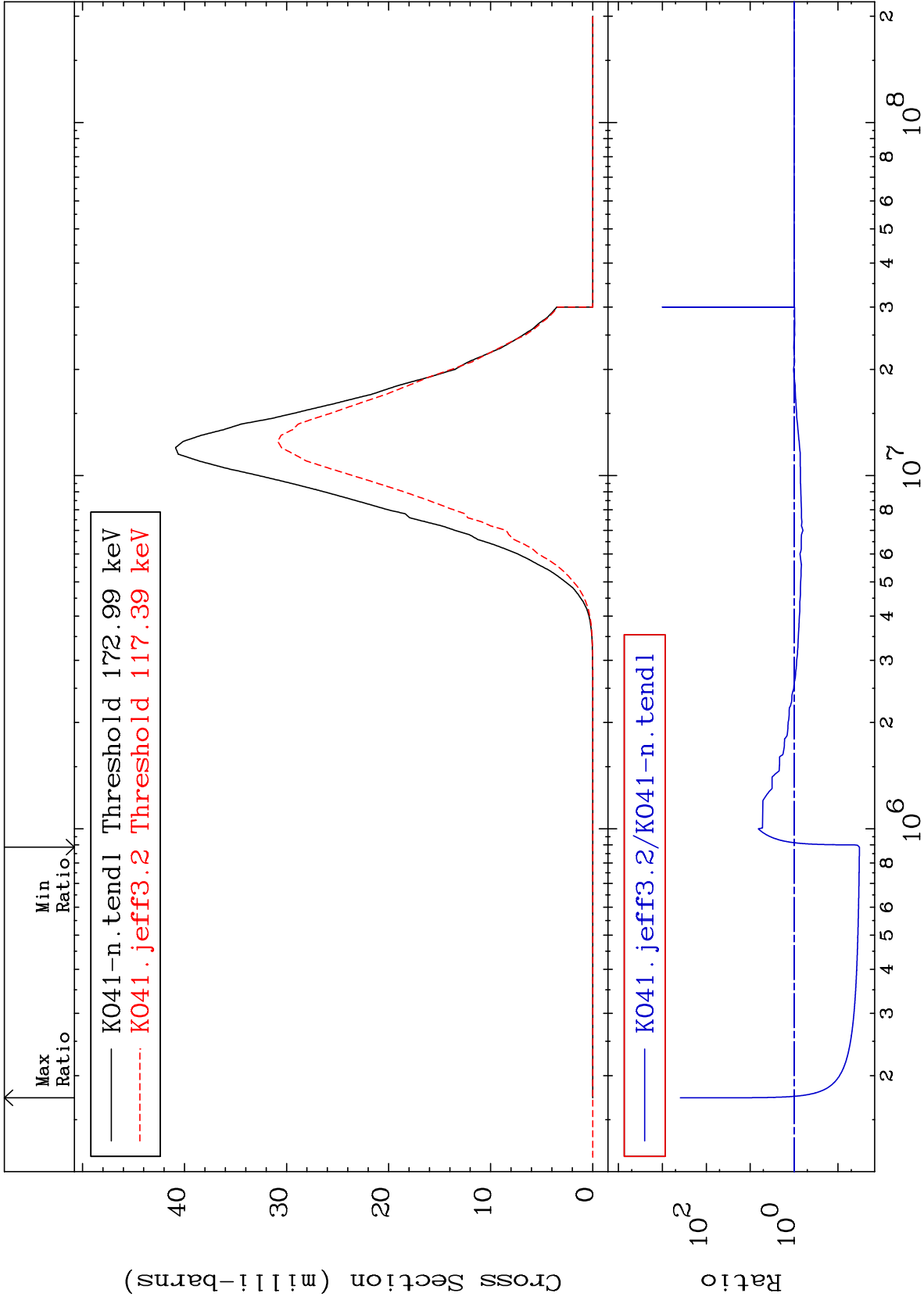
-52.82 To 1115. %





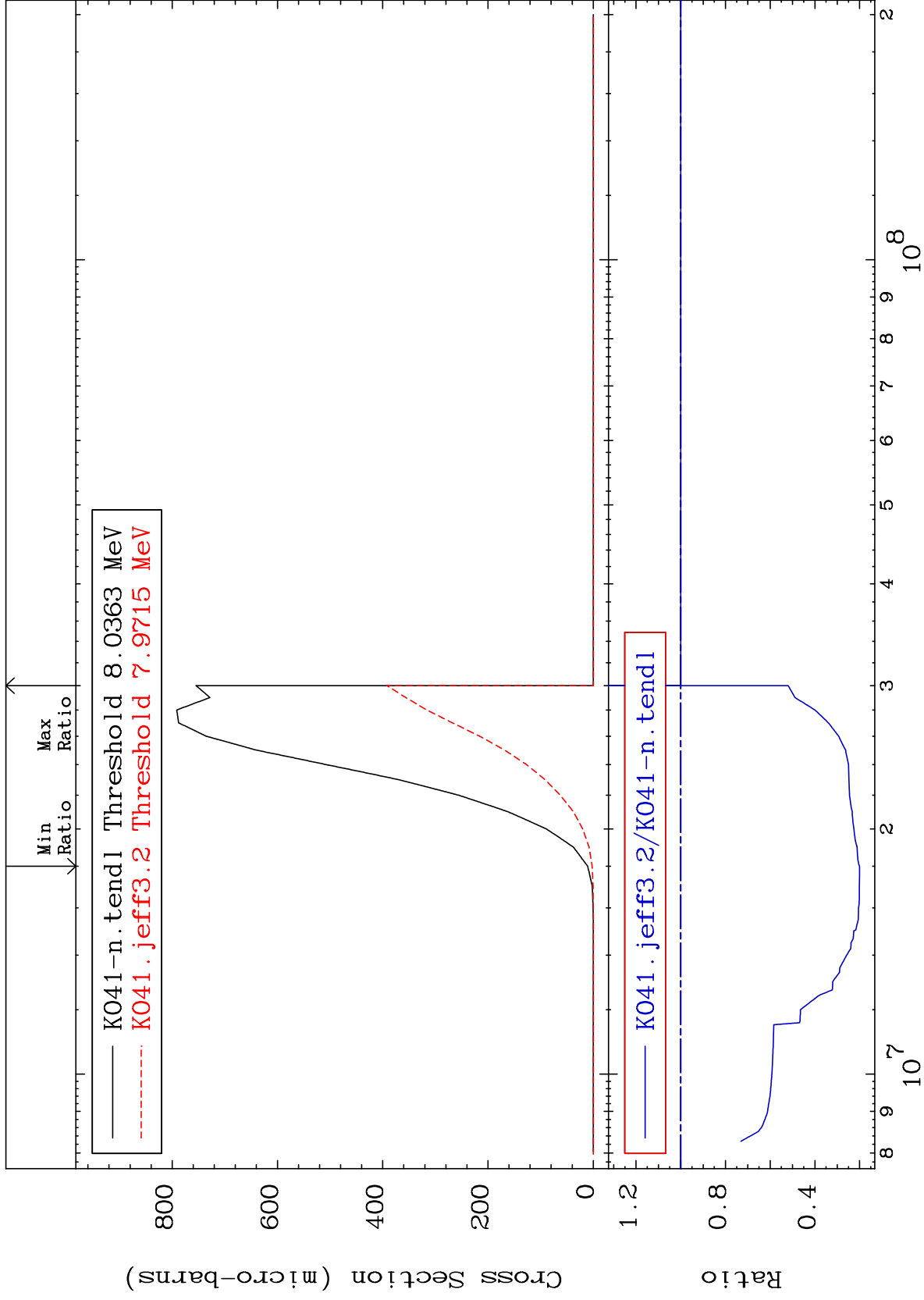
Cross Section

-96.75 To 9999. %

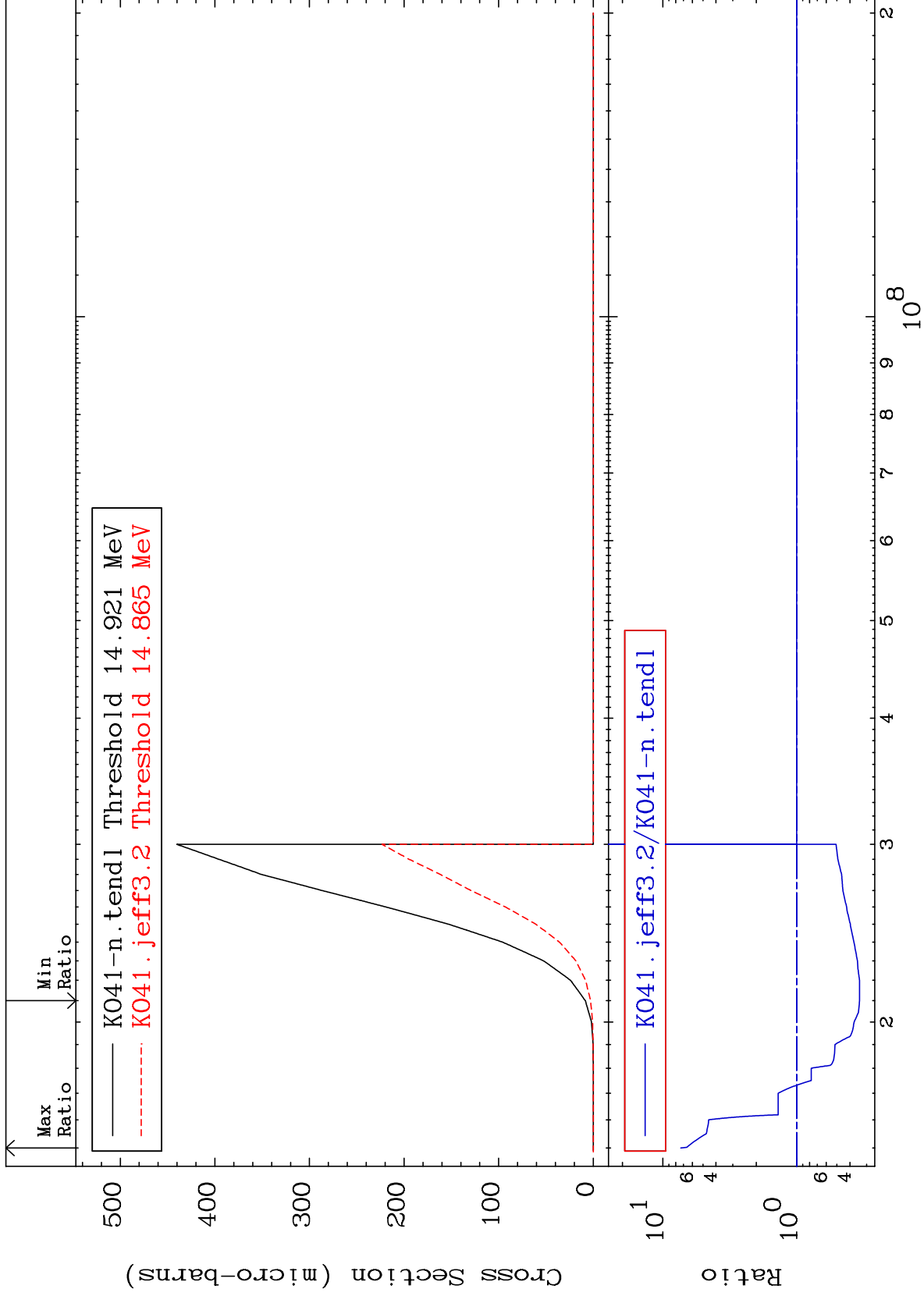


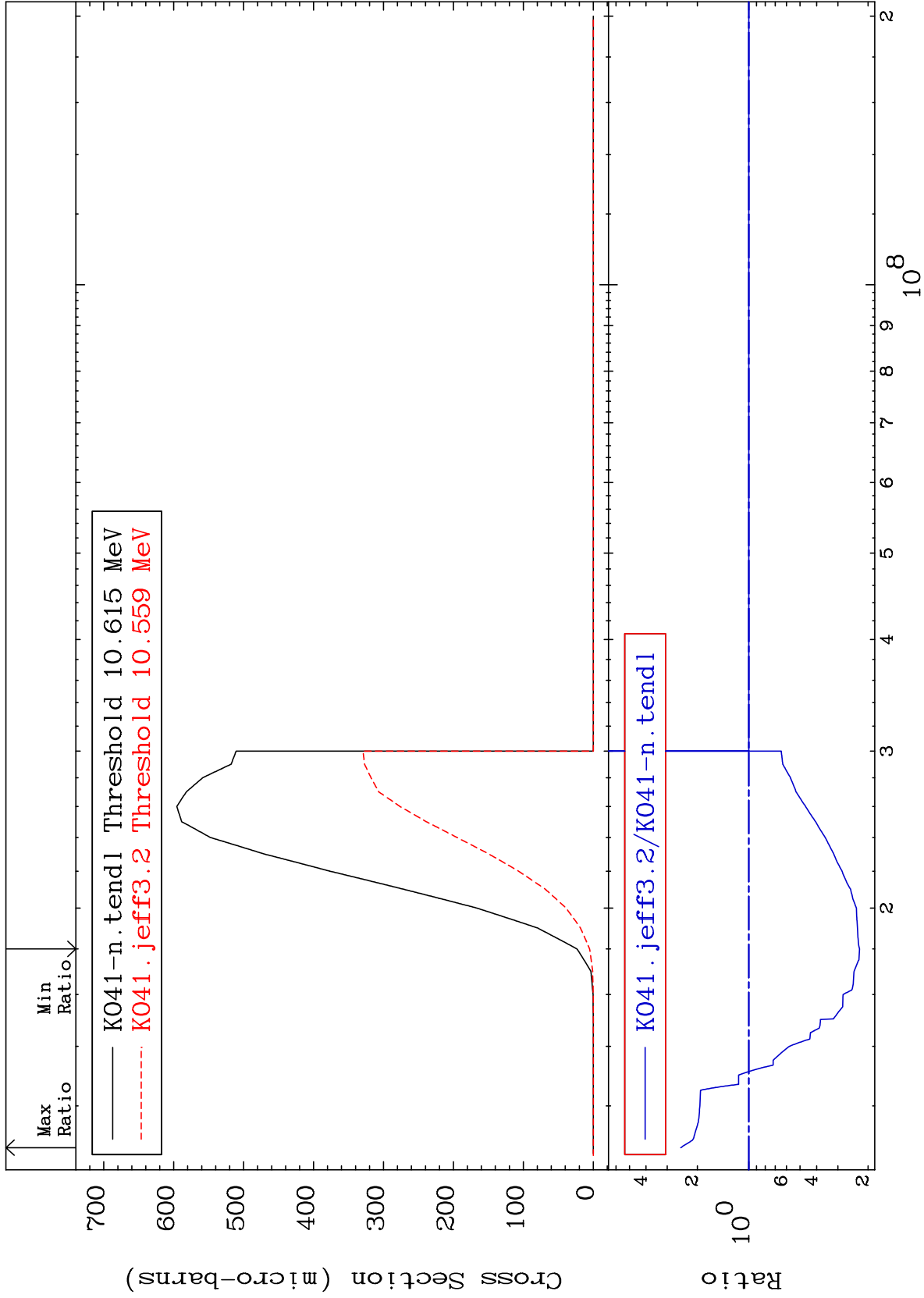
-79.97 To 0.000 %

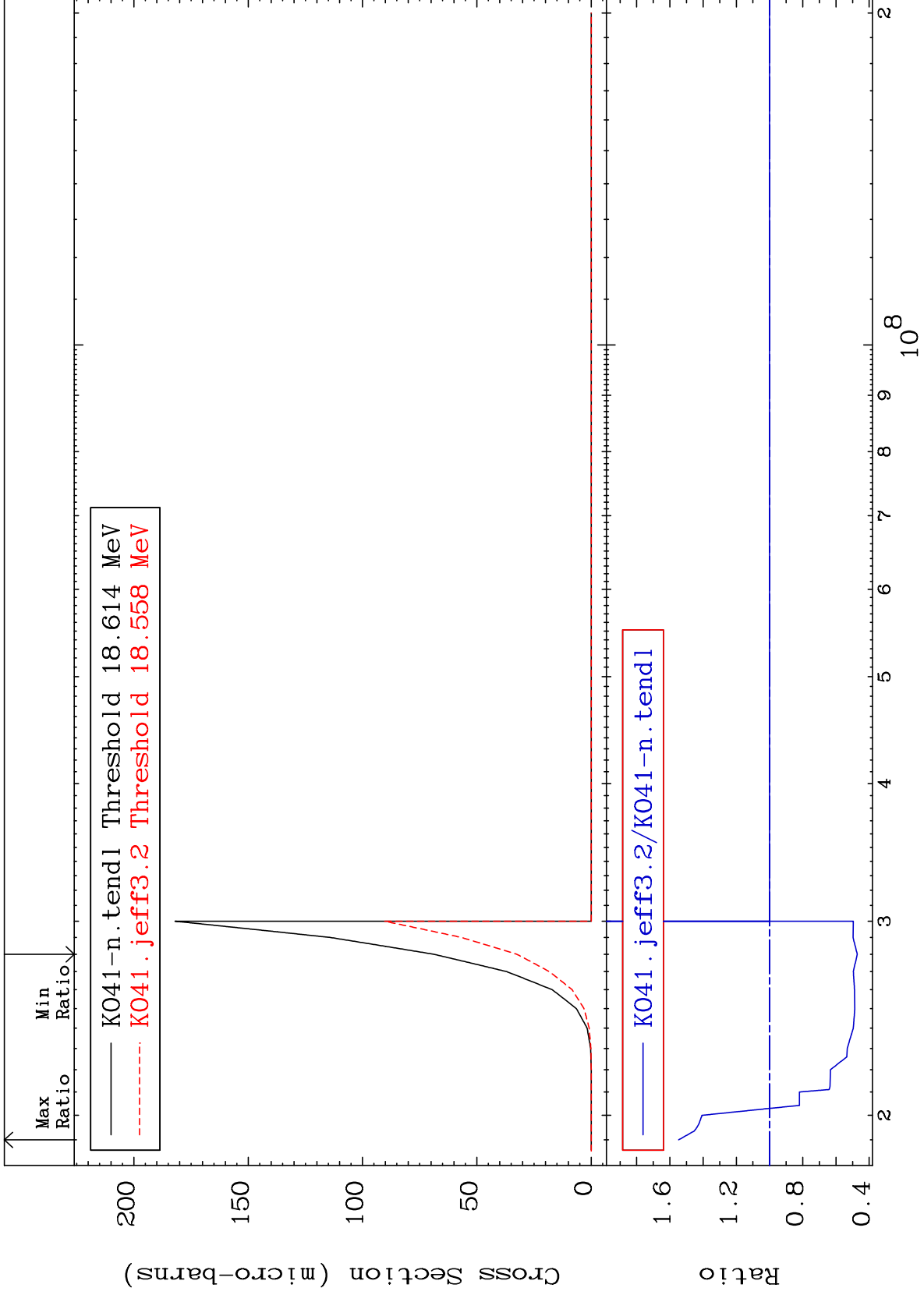
Cross Section







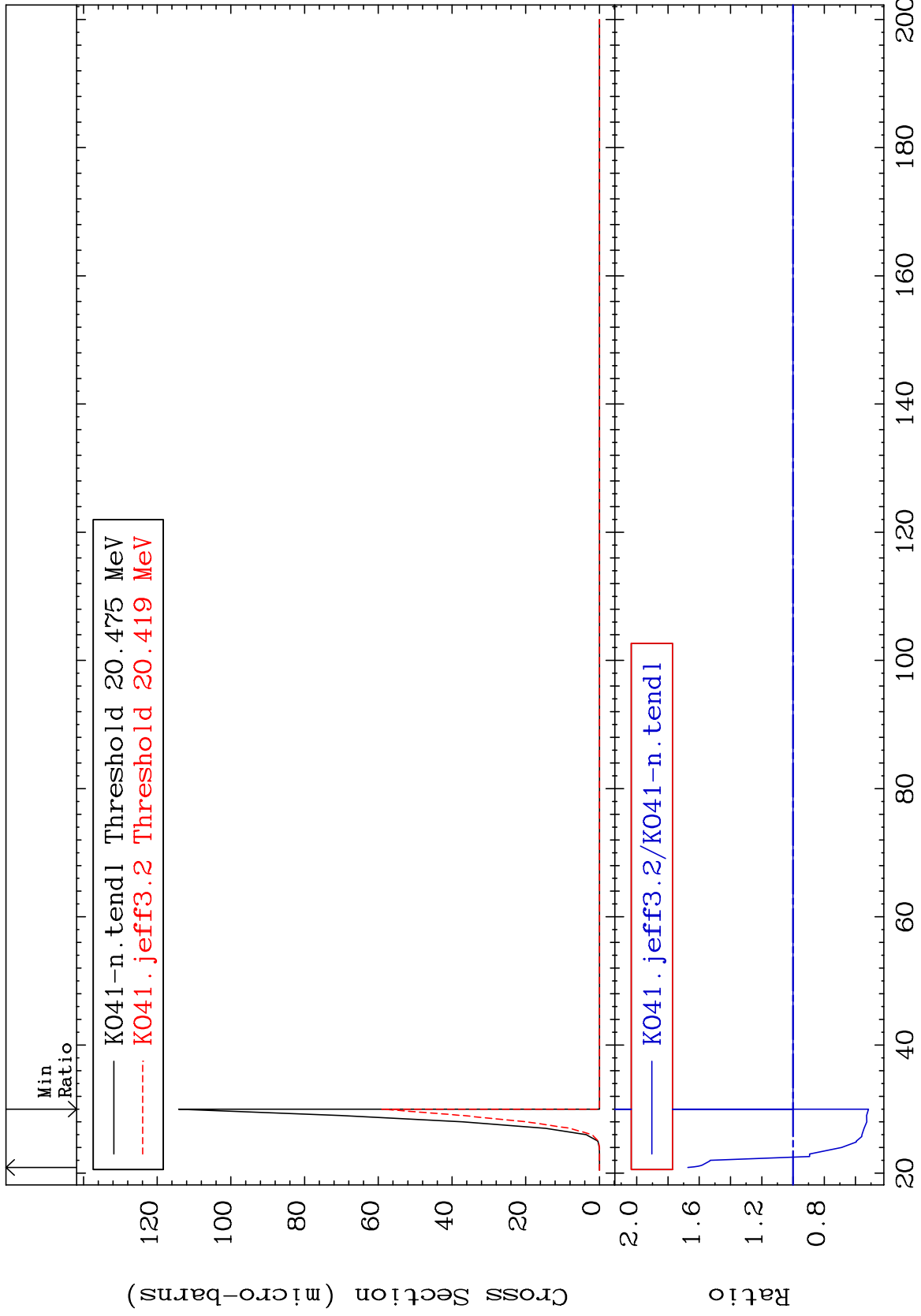




MAT 1931

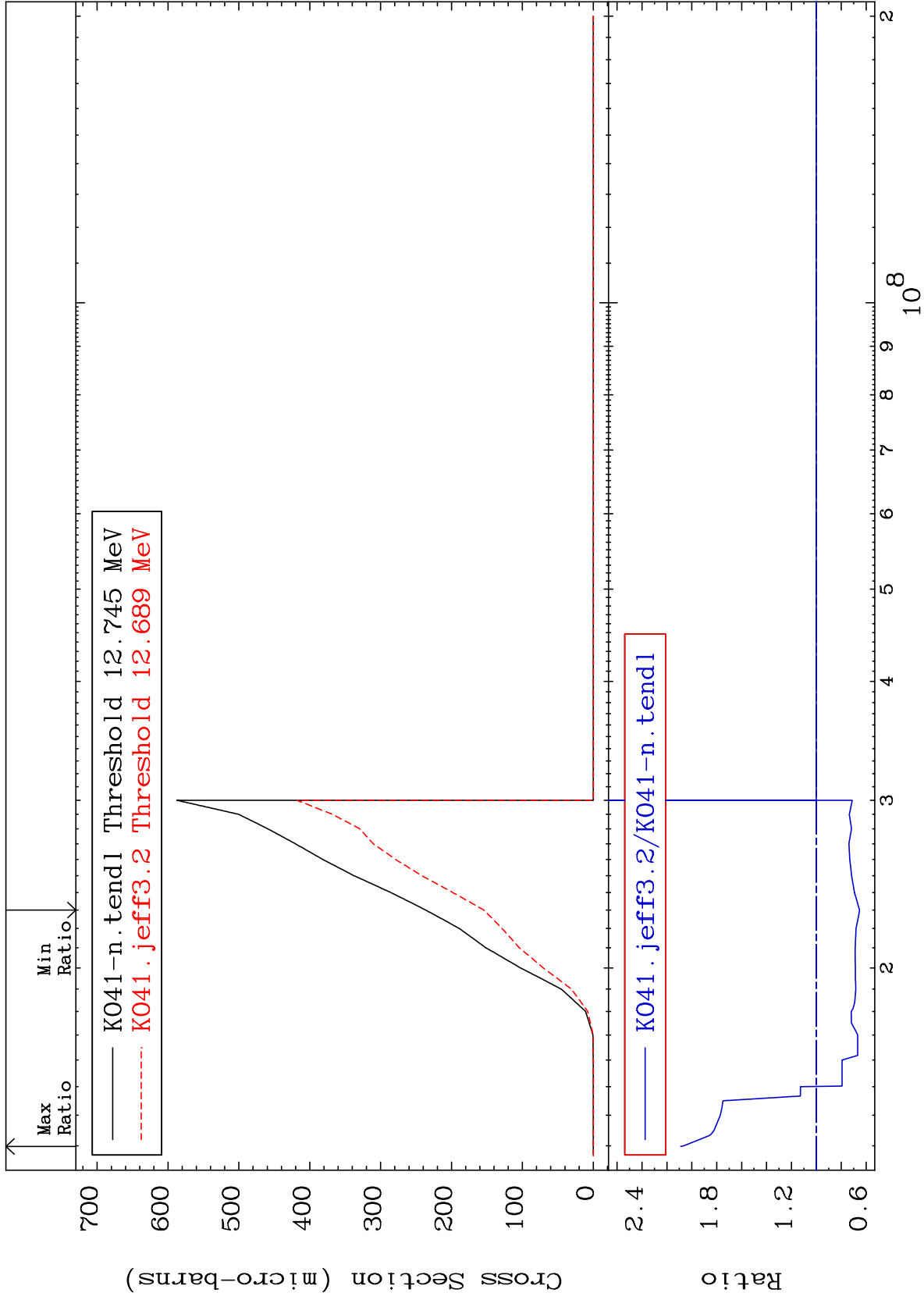
(n, p) t  
Cross Section

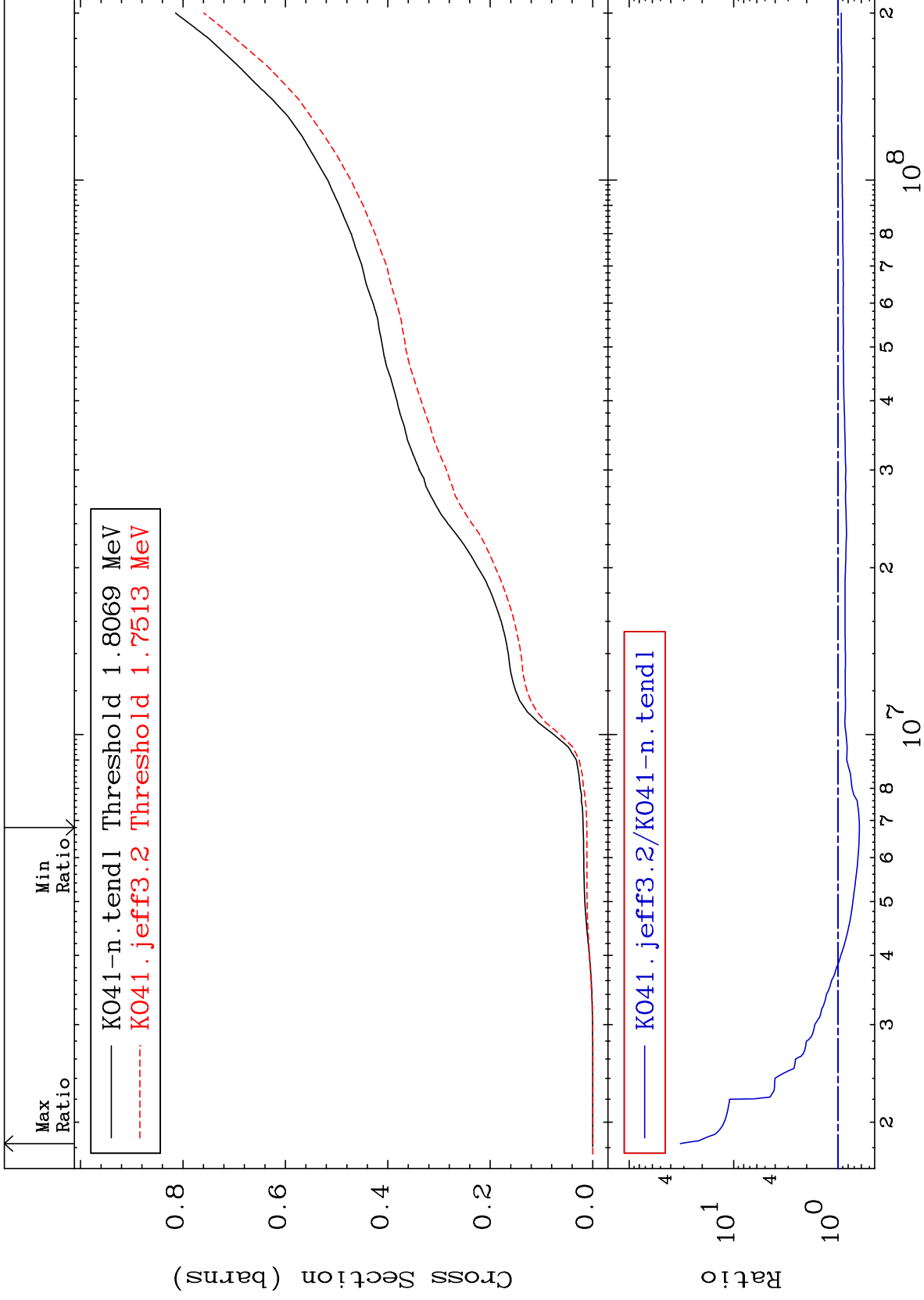
19-K -41  
-48.33 To 67.30 %



Incident Energy (MeV)

19-K -41

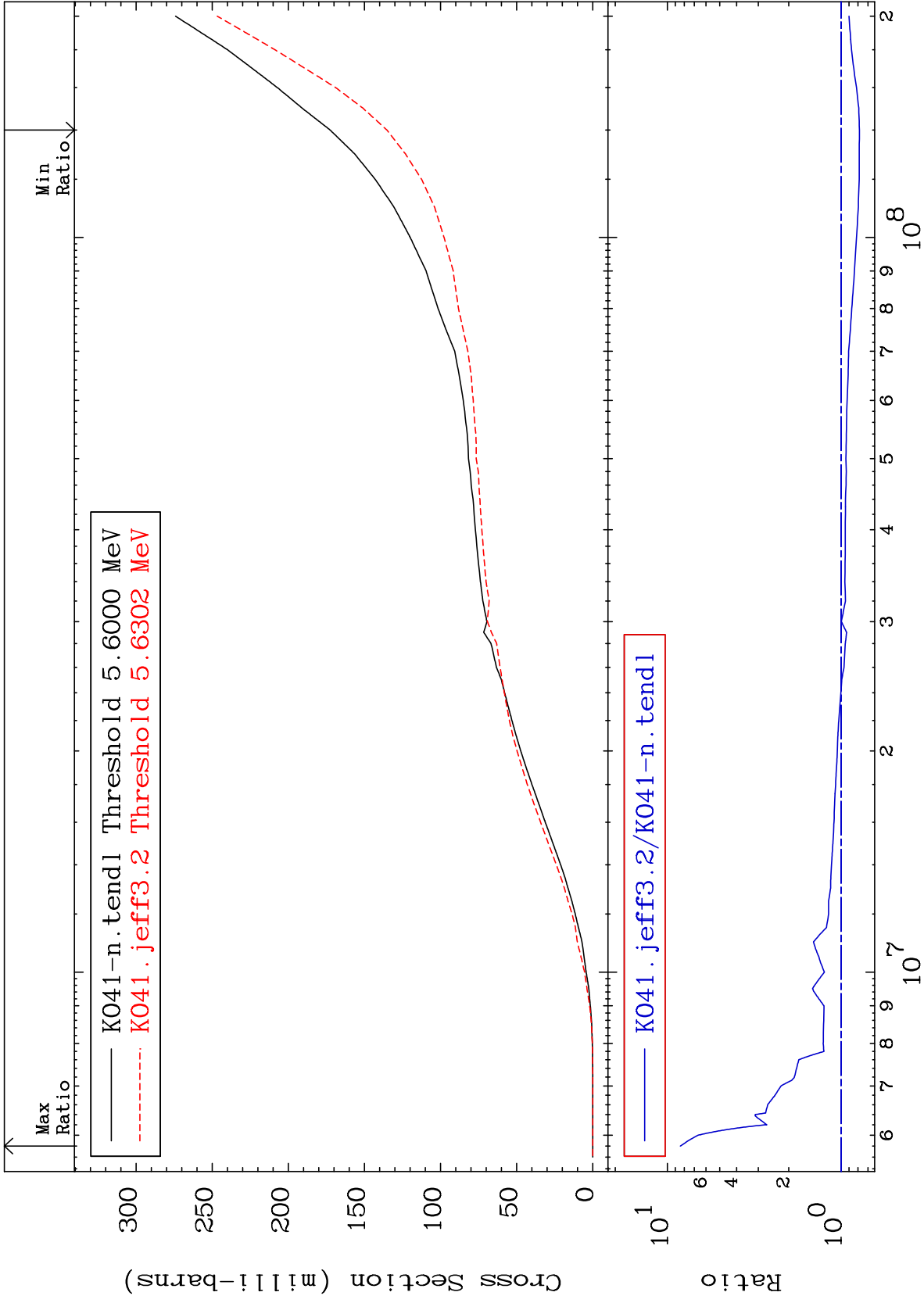




MAT 1931

Deuterium Production  
Cross Section

19-K -41  
-21.63 To 742.8 %



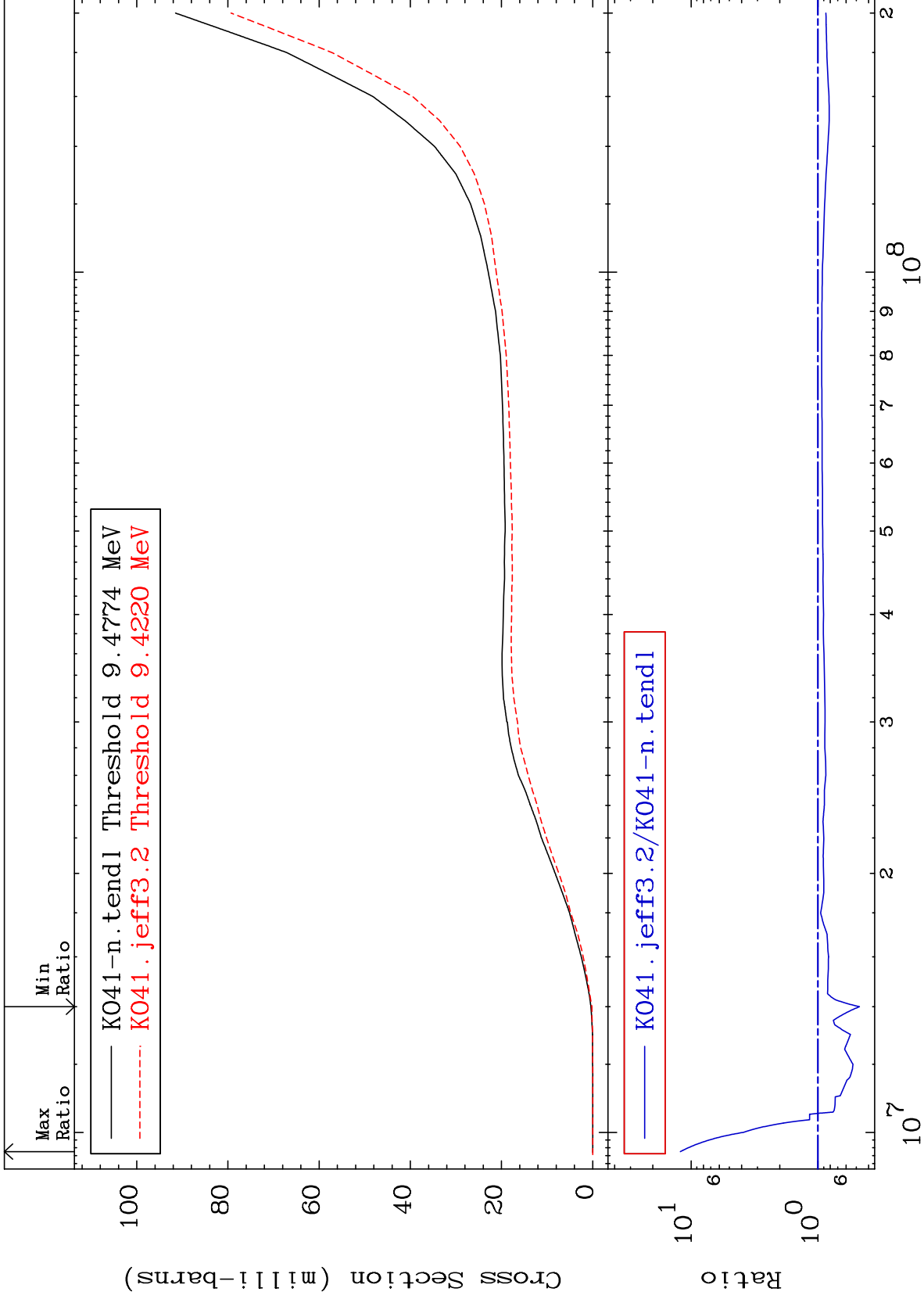
63

19-K -41

MAT 1931

Tritium Production  
Cross Section

19-K -41  
-52.82 To 1115. %

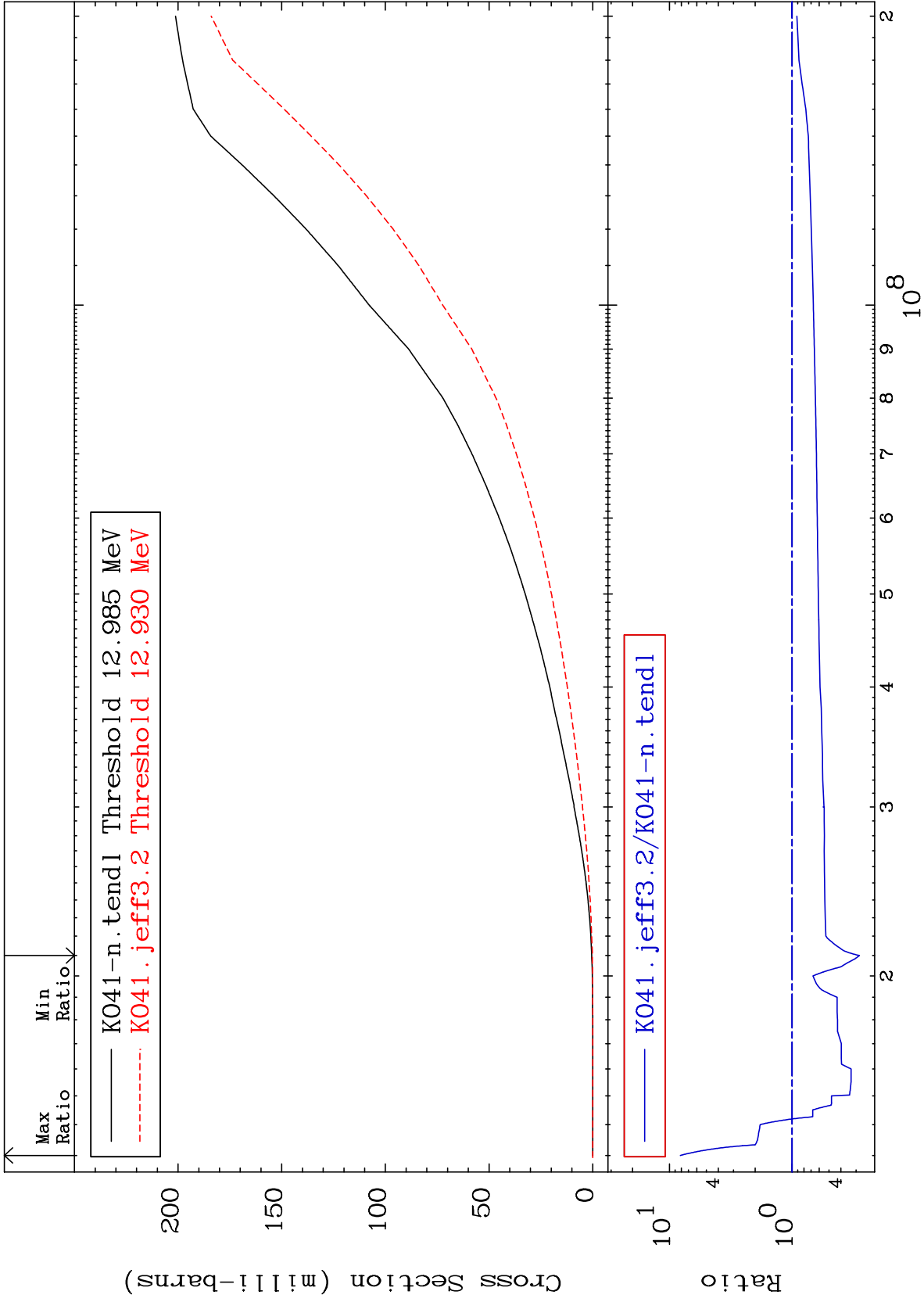


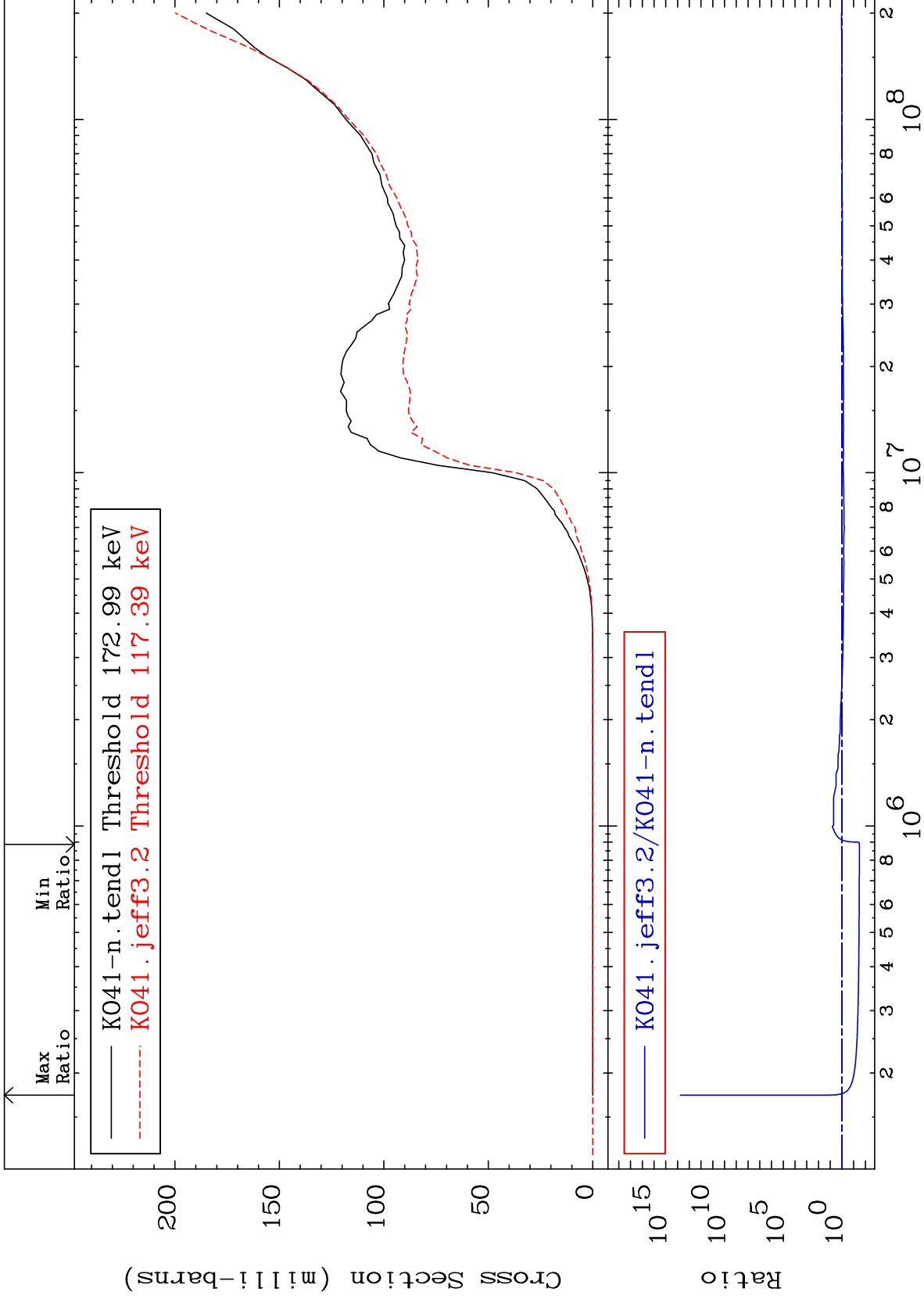
64

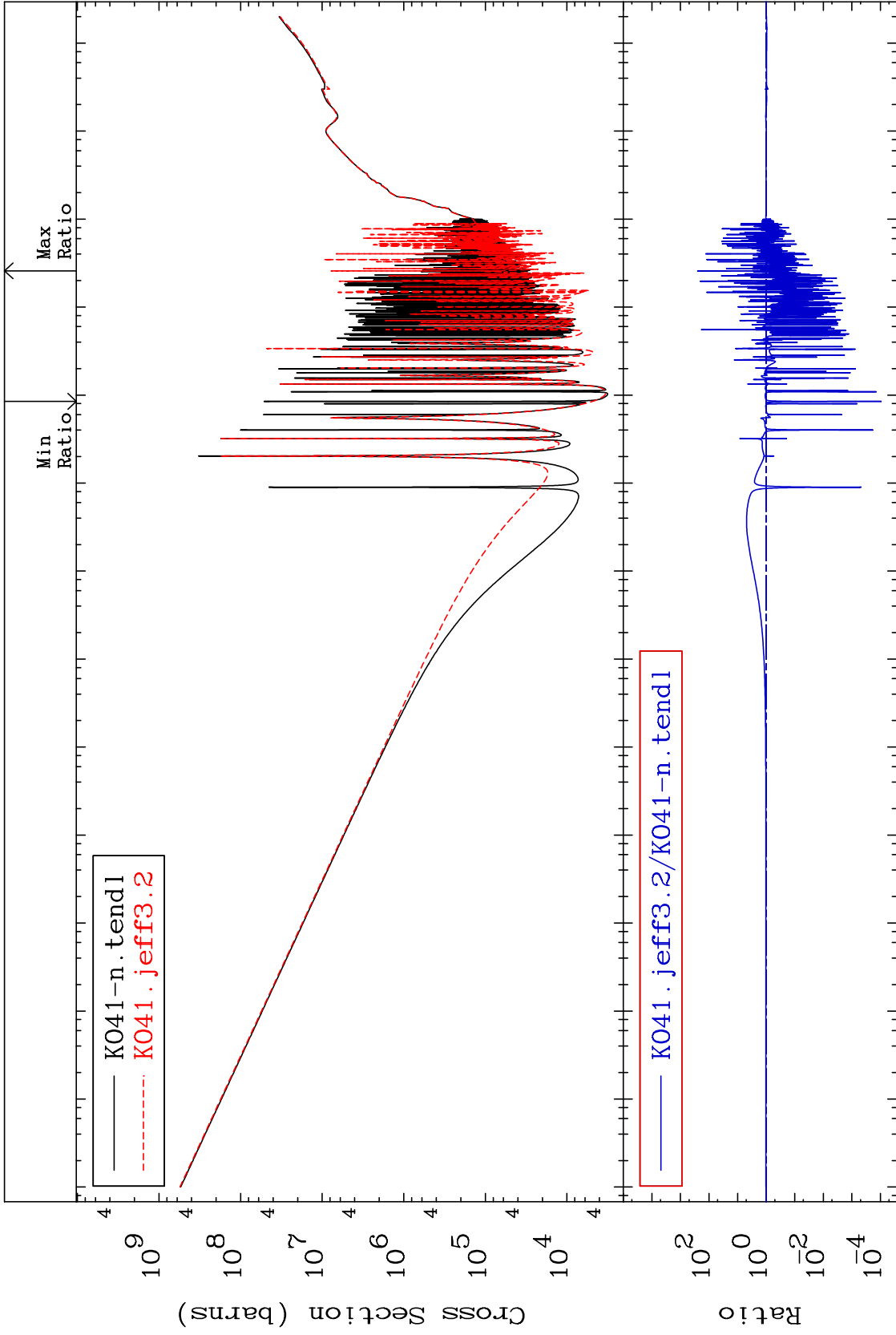
Incident Energy (eV)

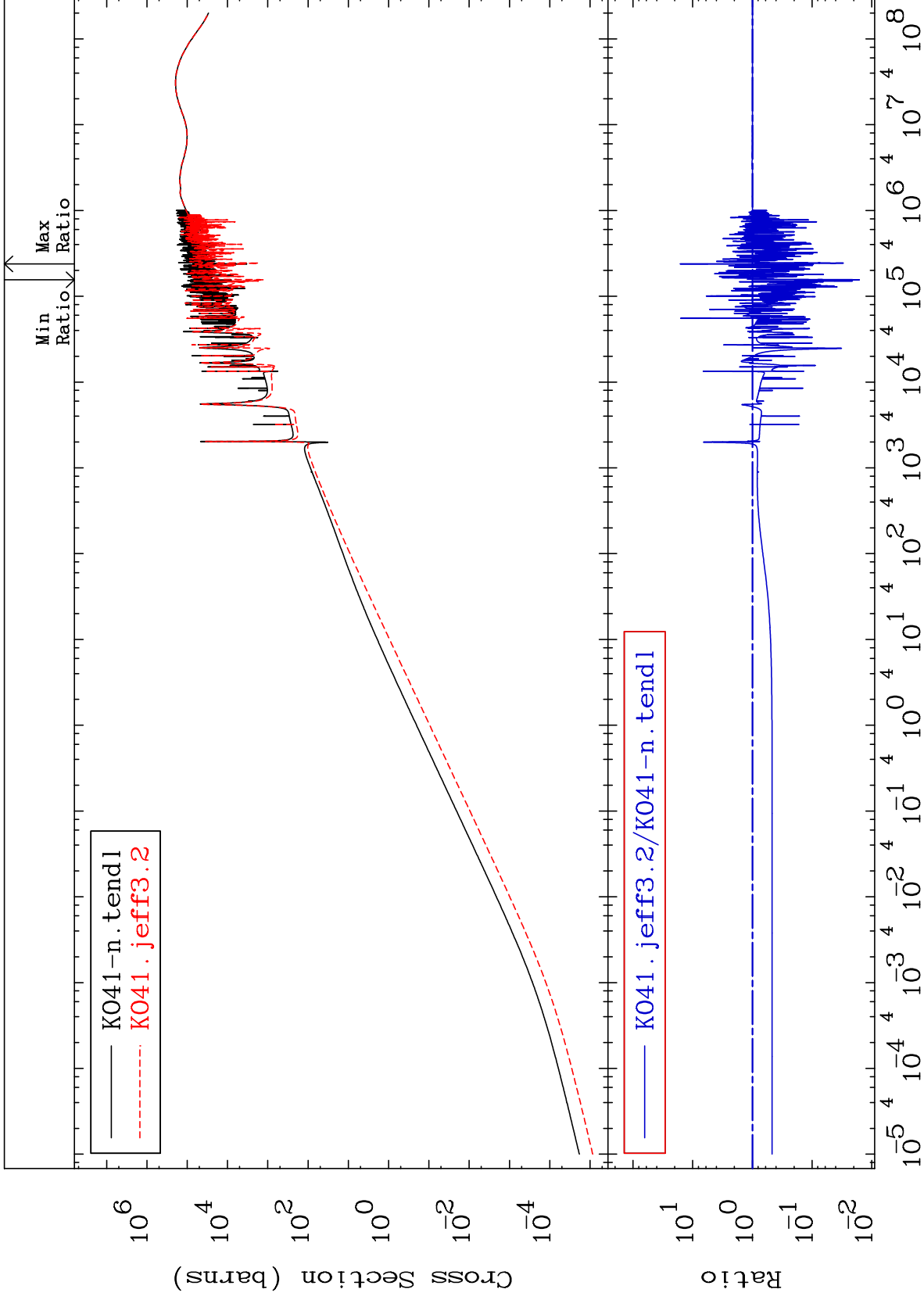
19-K -41

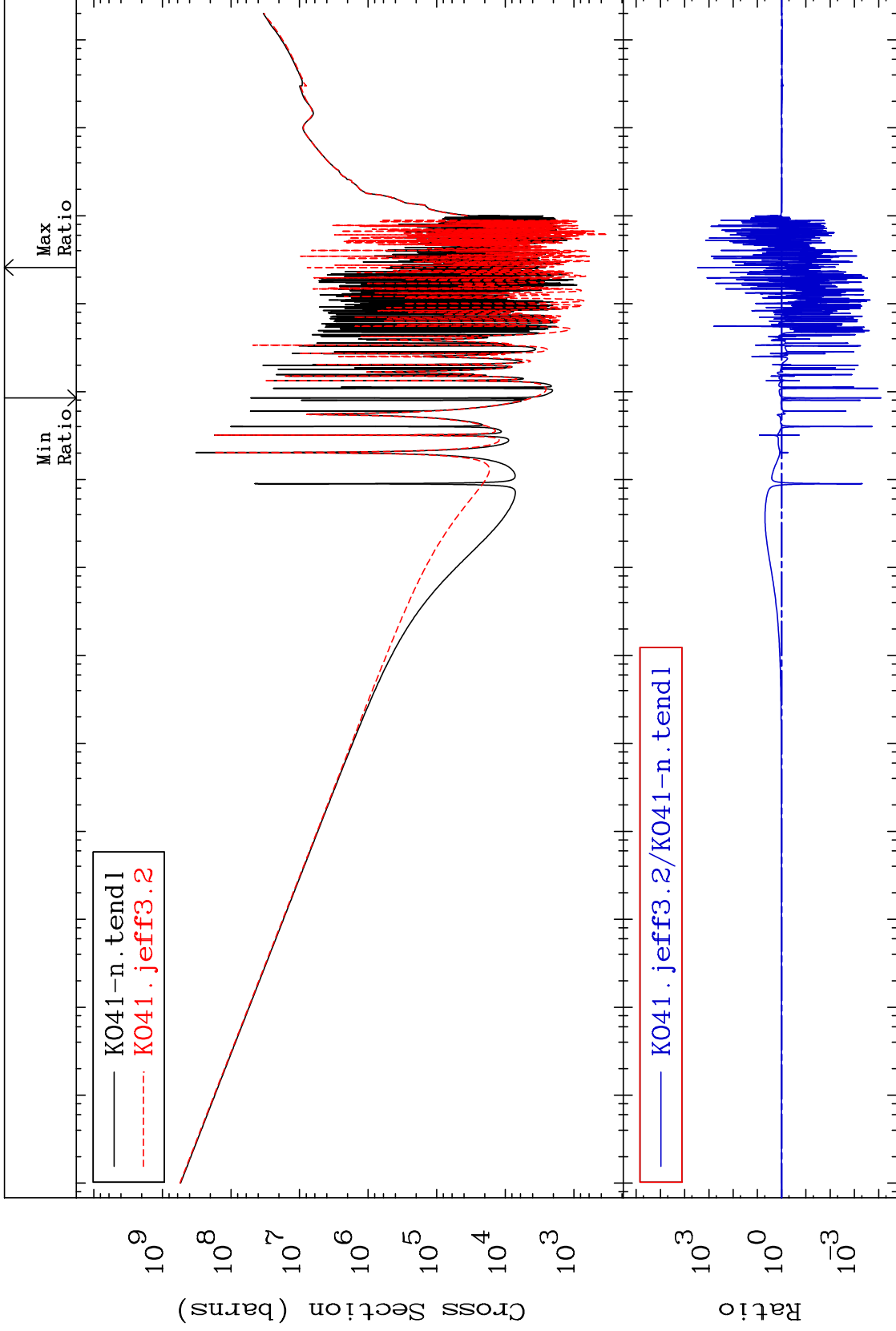


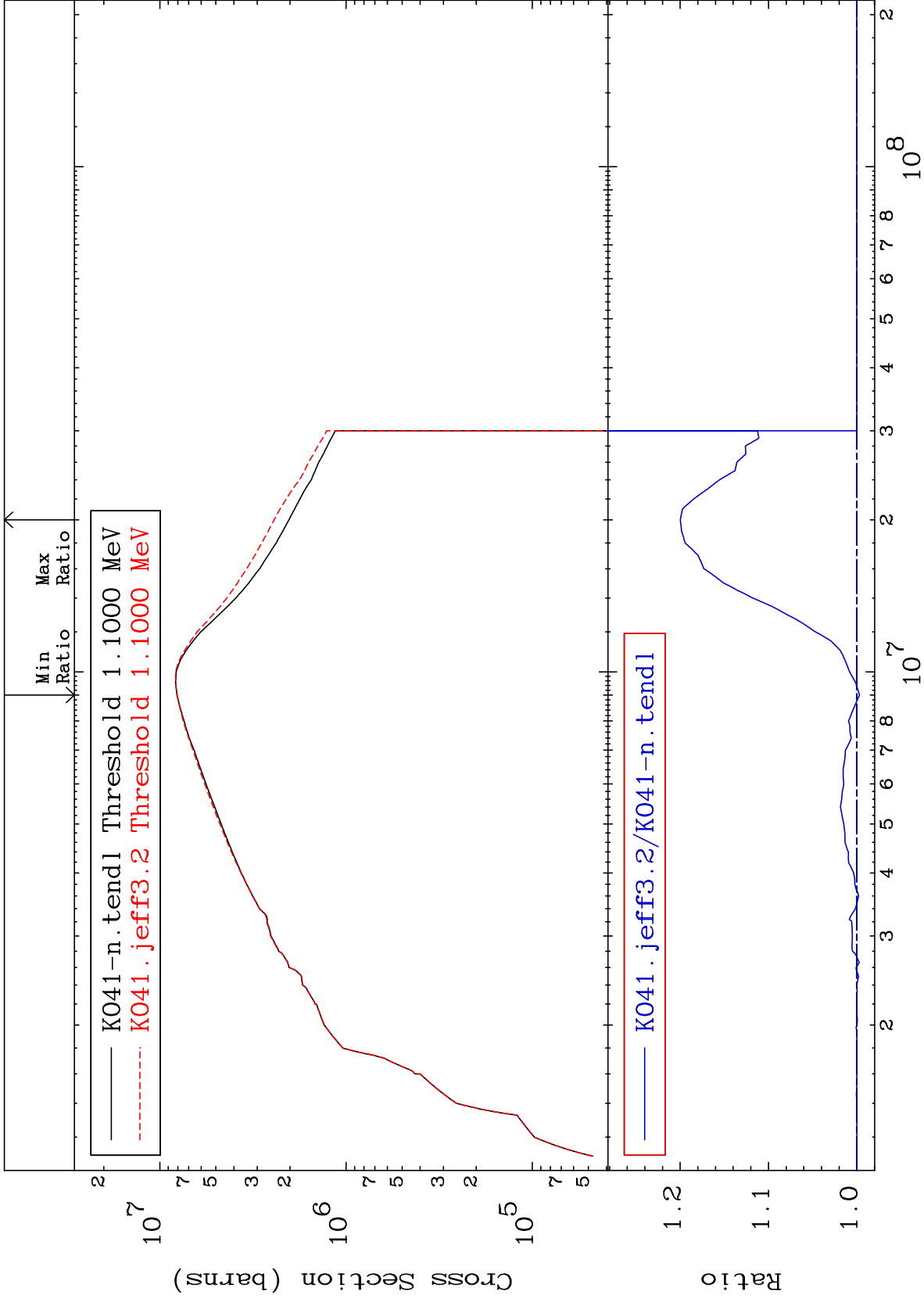








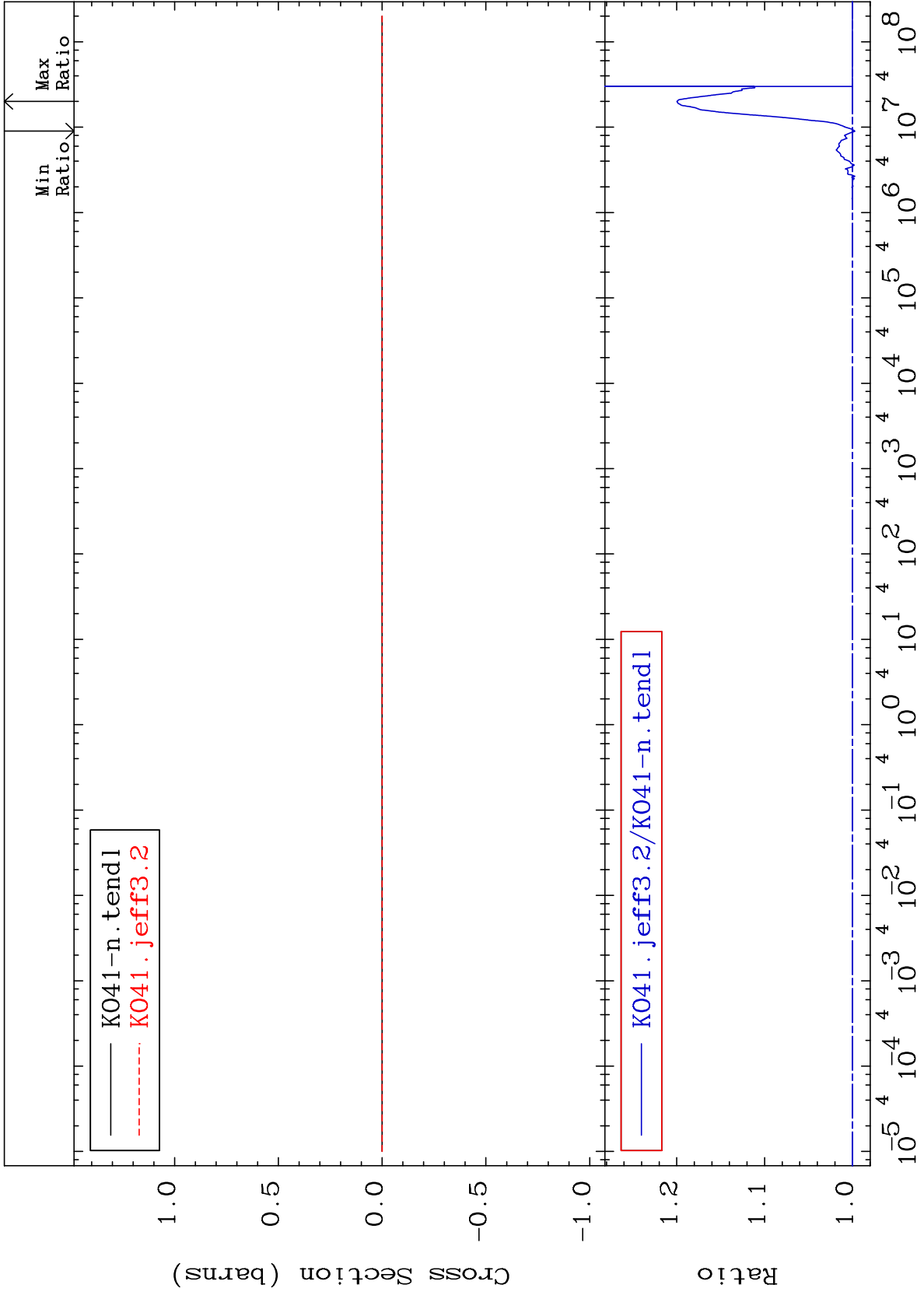




MAT 1931

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

19-K -41  
-0.301 To 19.98 %



71

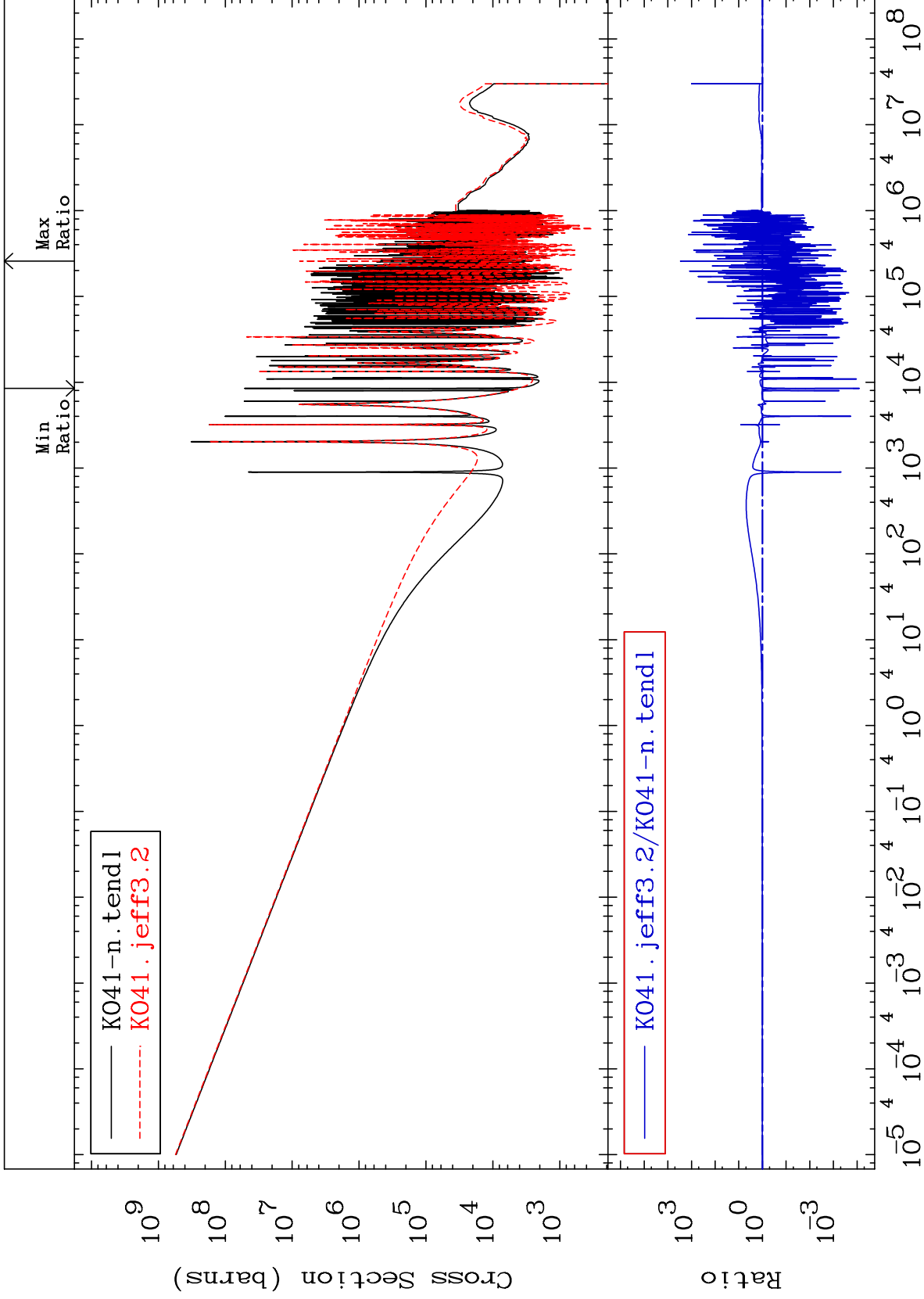
Incident Energy (eV)

19-K -41

MAT 1931

Kerma capture (mt102)  
Cross Section

19-K -41  
-99.99 To 9999. %



72

Incident Energy (eV)

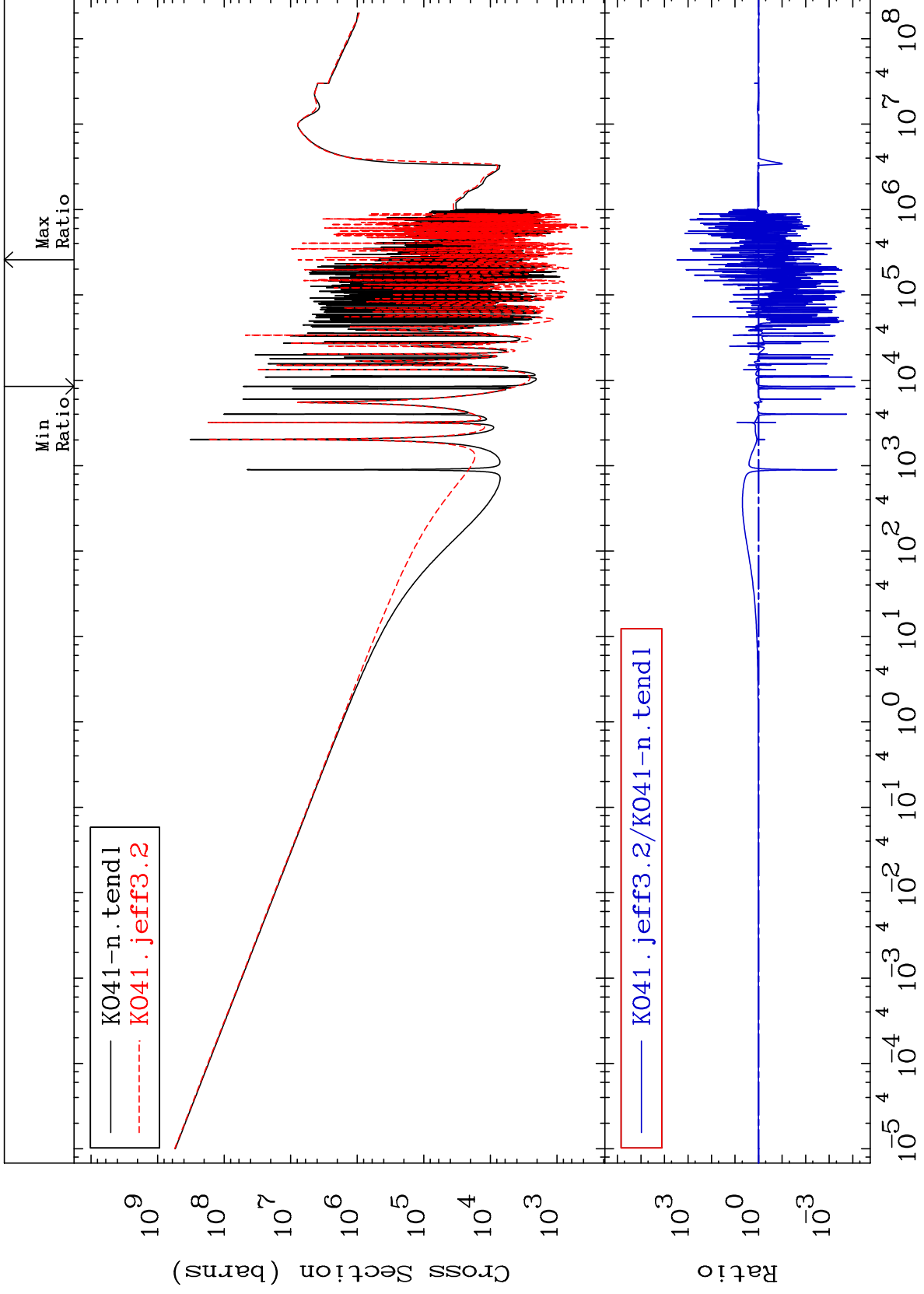
19-K -41



MAT 1931

Total photon (eV-barns)  
Cross Section

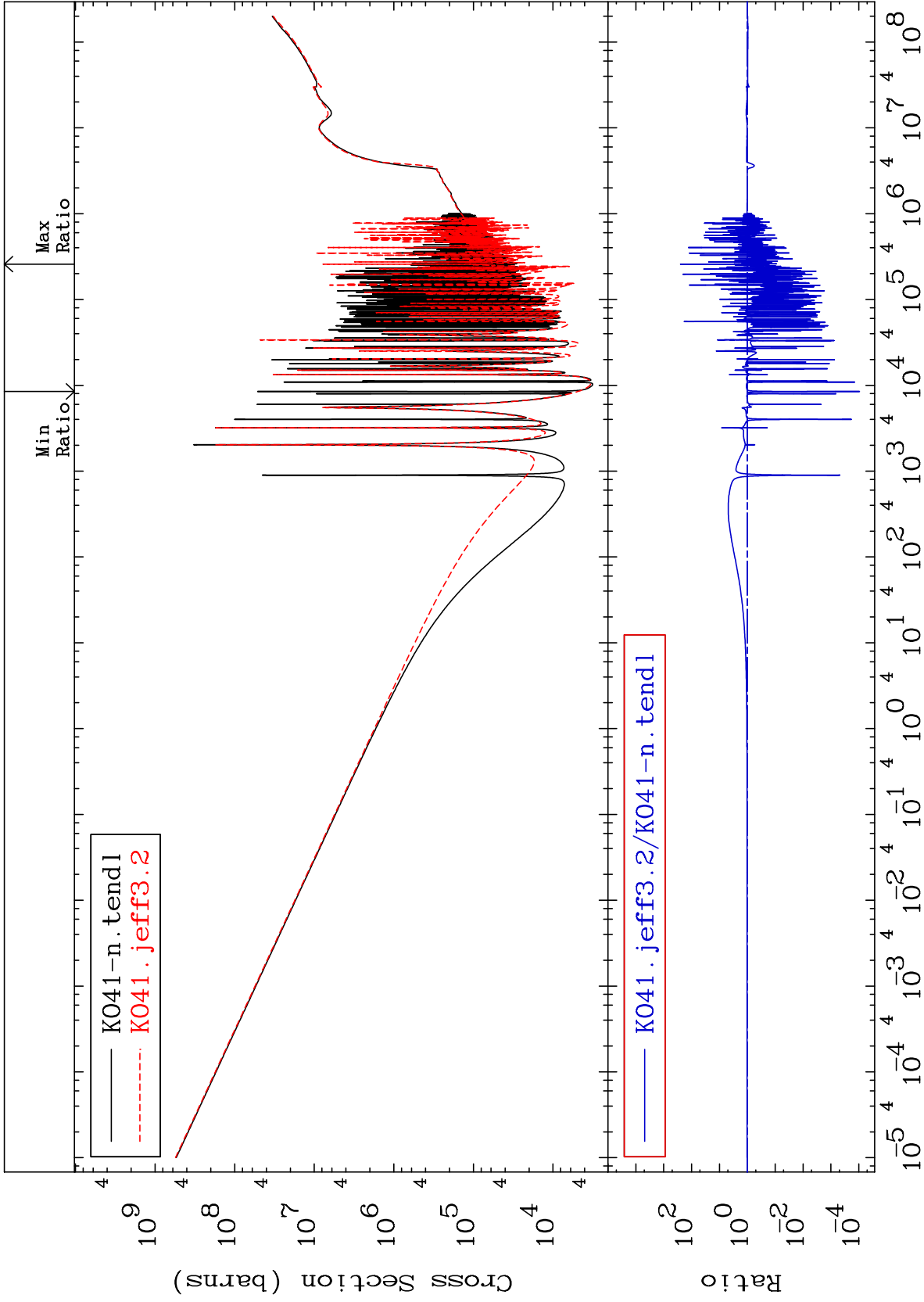
19-K -41  
-99.99 To 9999. %

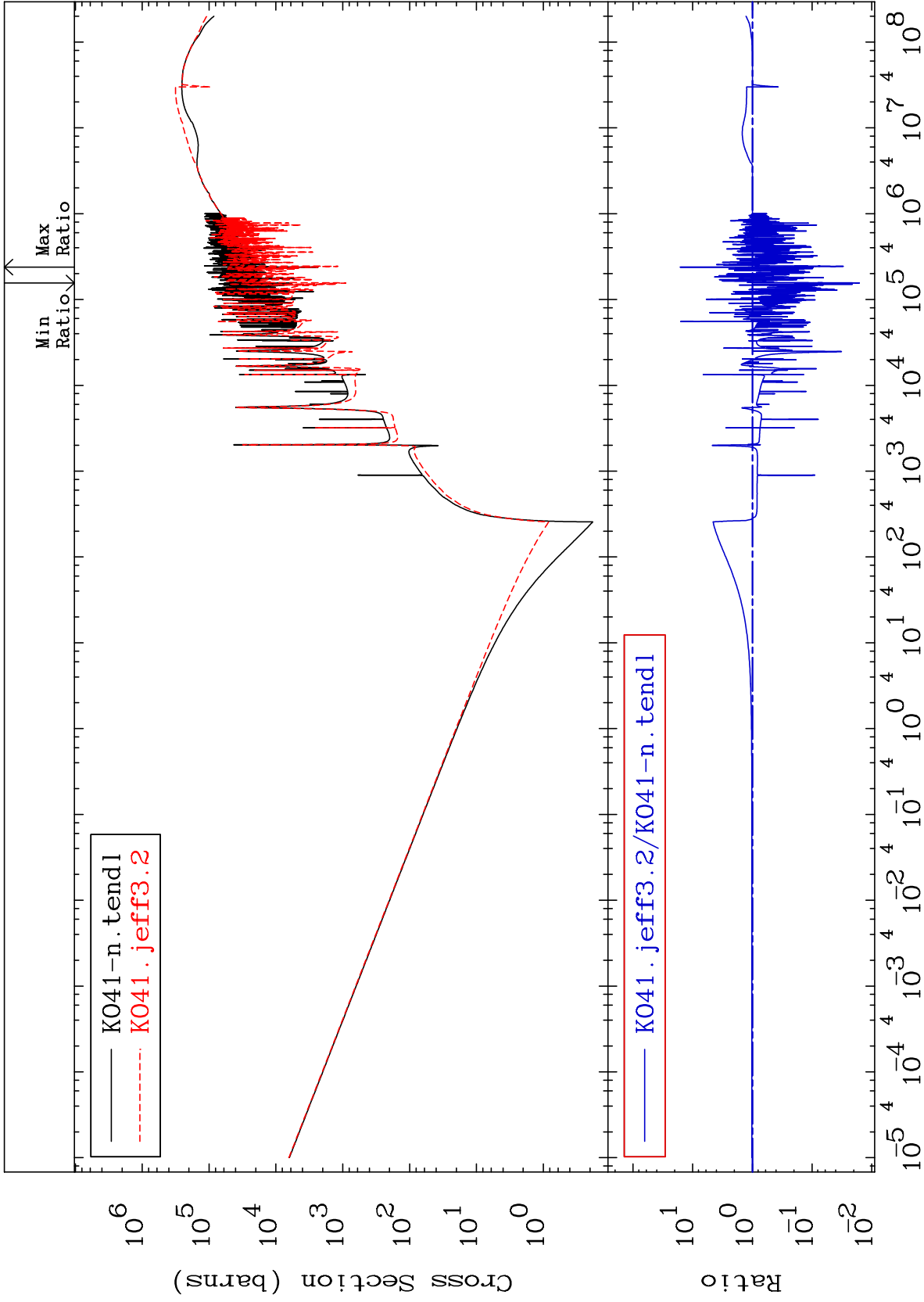


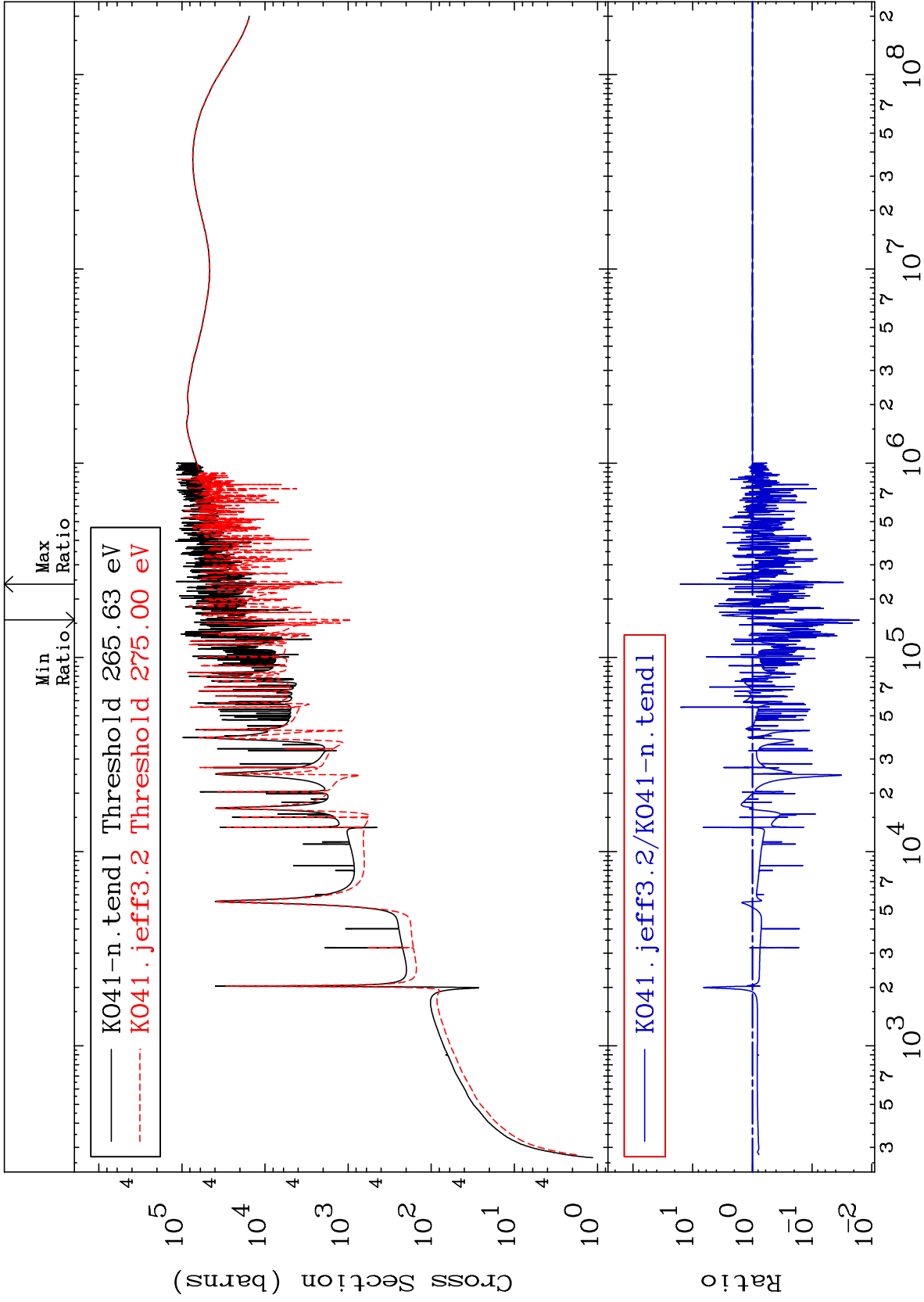
73

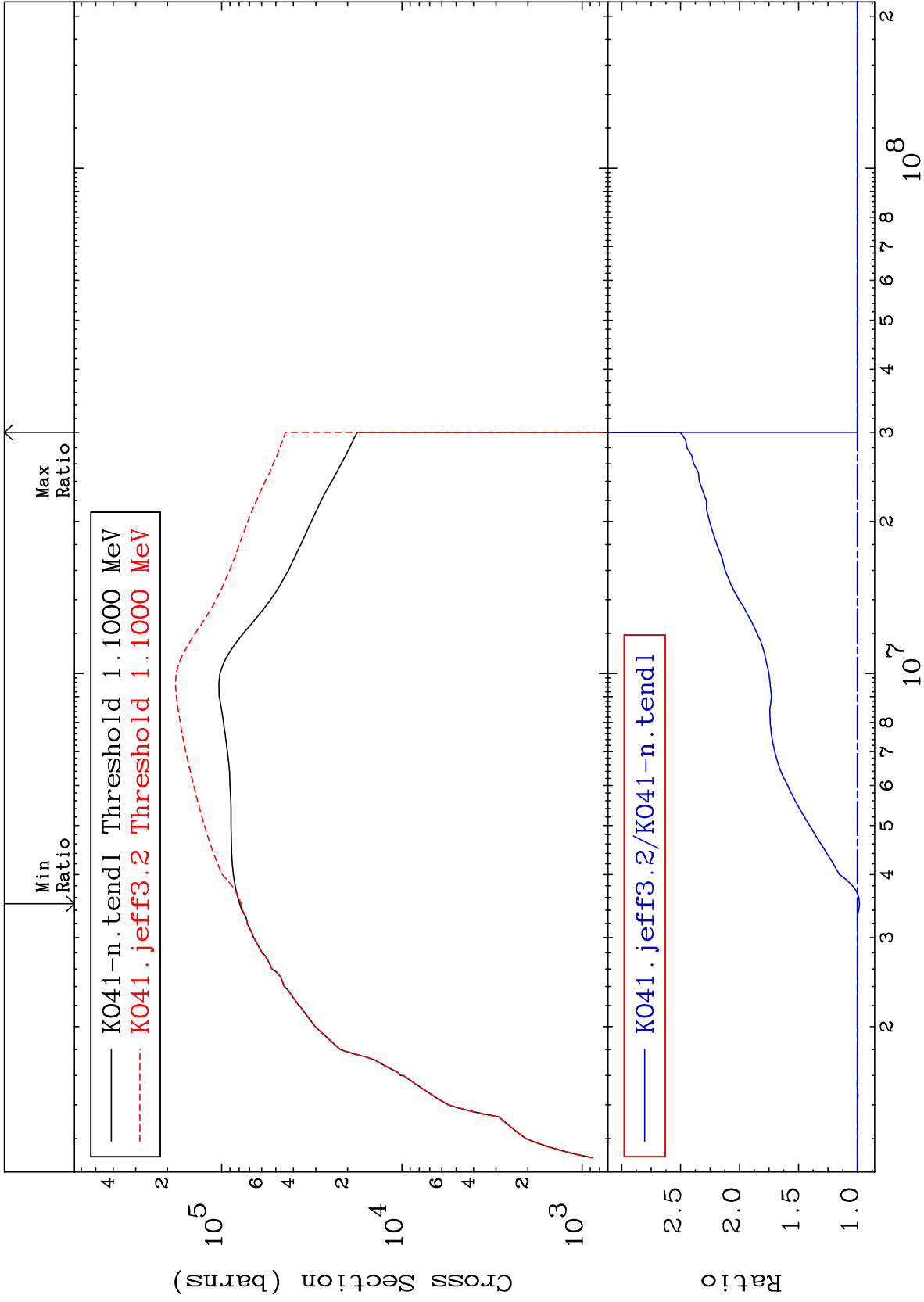
Incident Energy (eV)

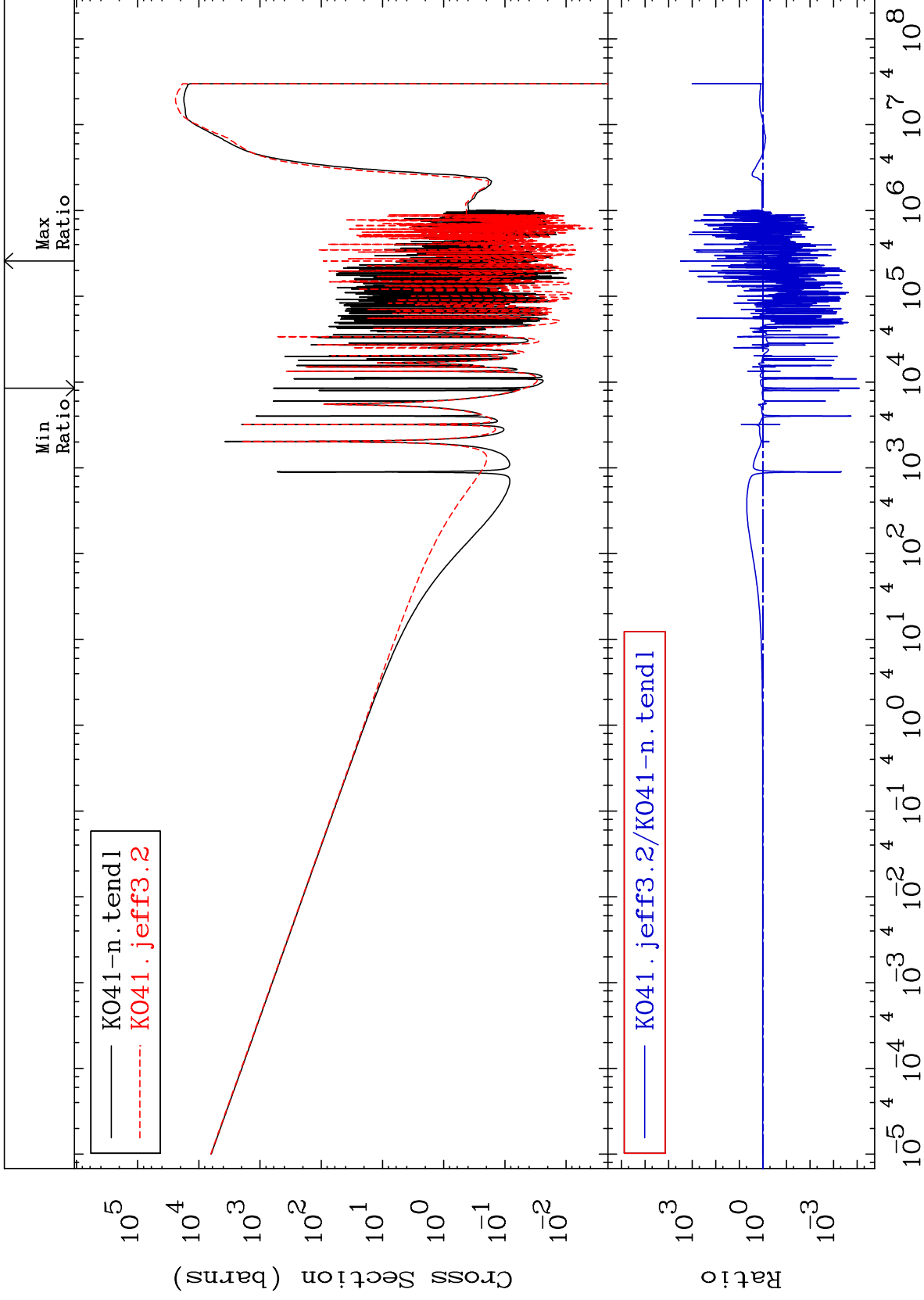
19-K -41

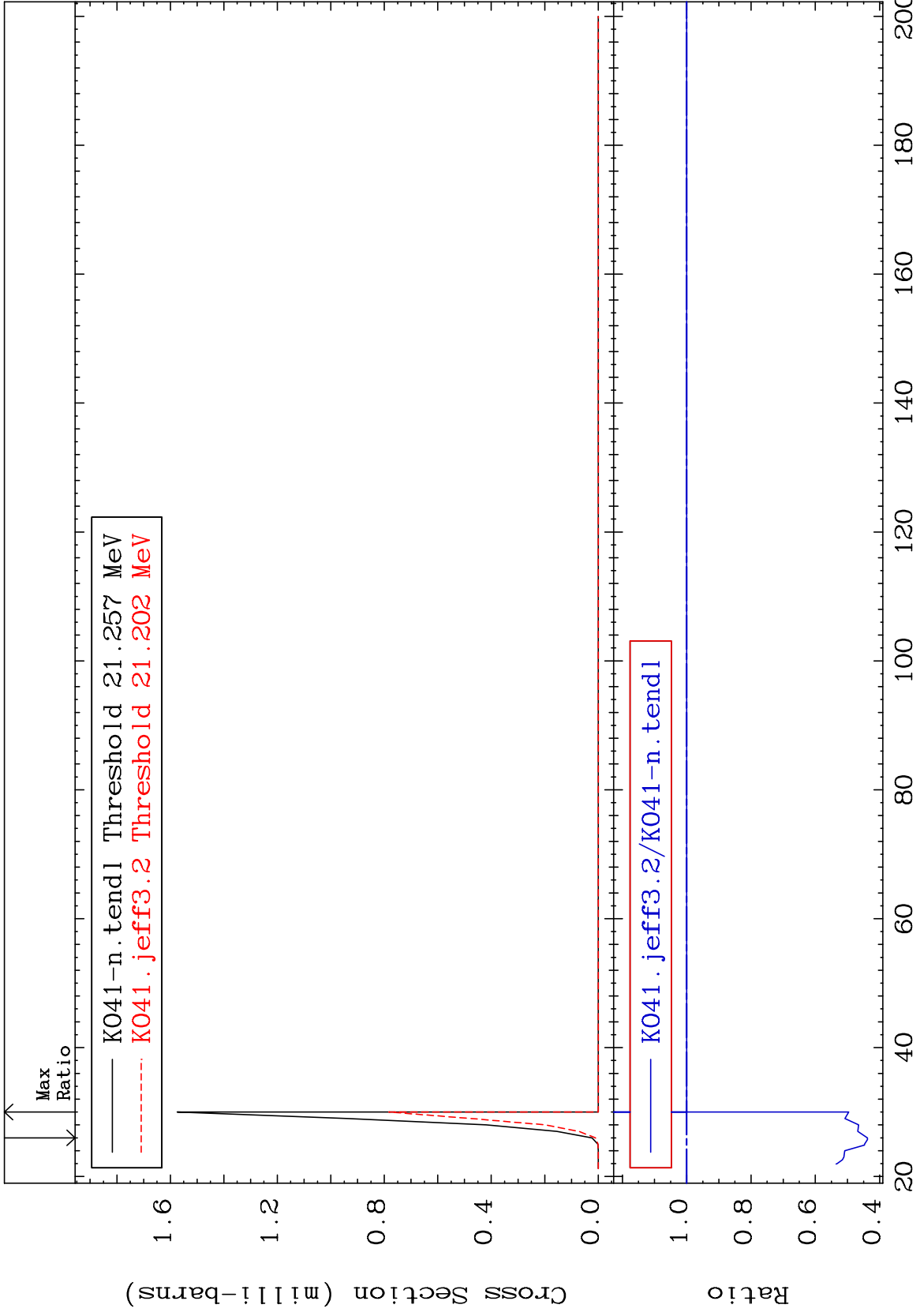










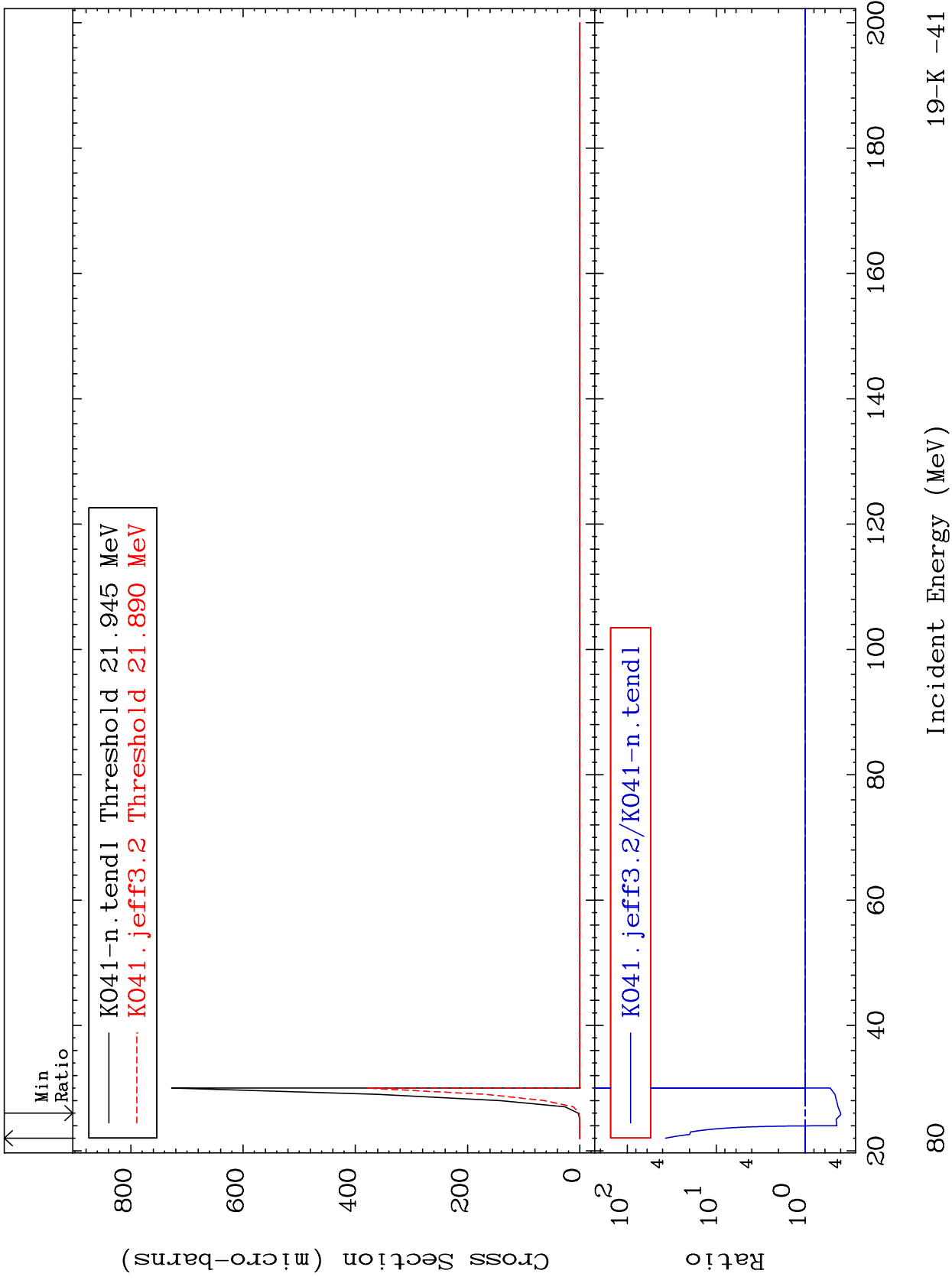


MAT 1931

(n, n') He-3:17-Cl-38m1

19-K -41

Radionuclide Production Cross Section -60.00 To 3619. %



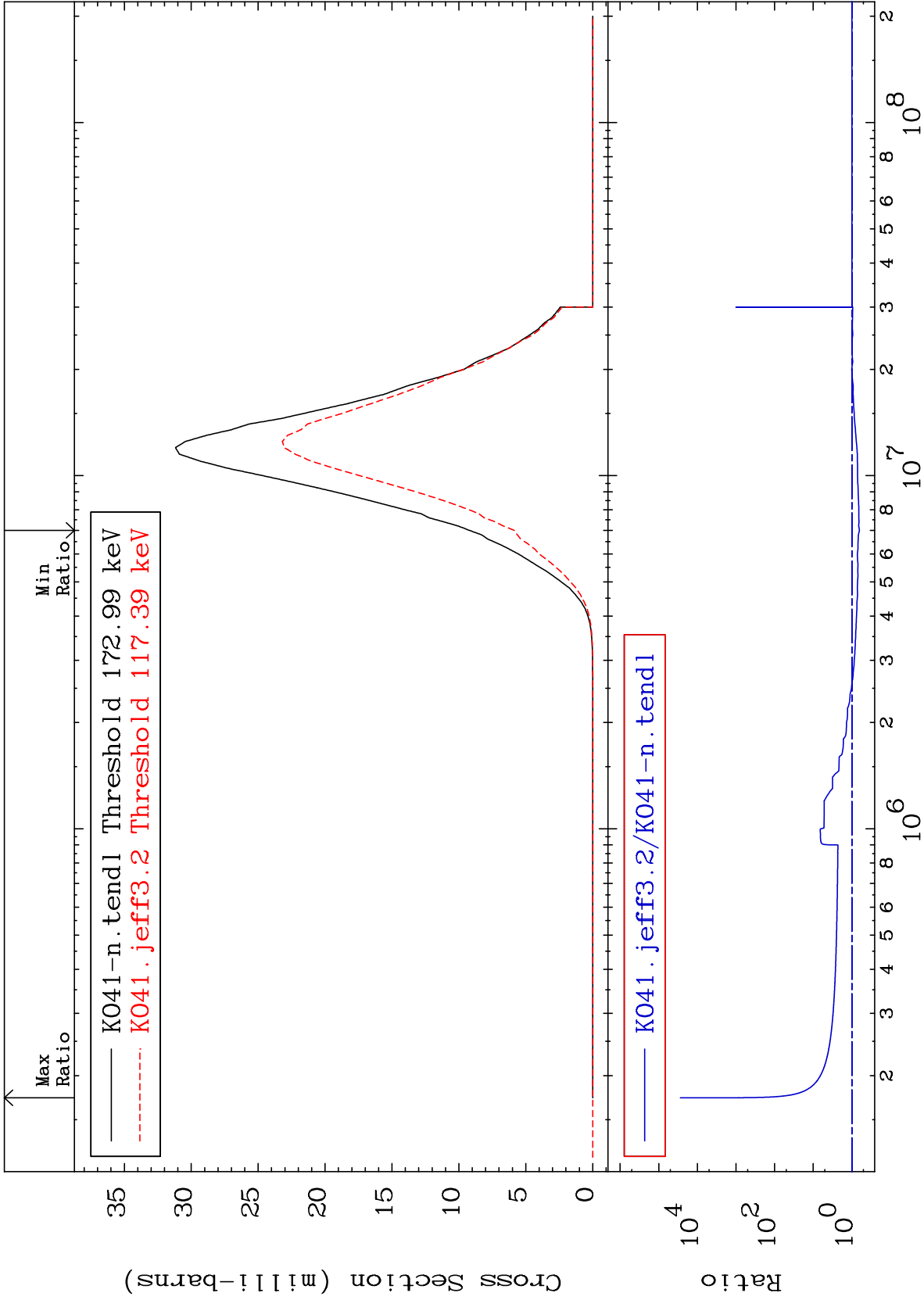
Incident Energy (MeV)

19-K -41

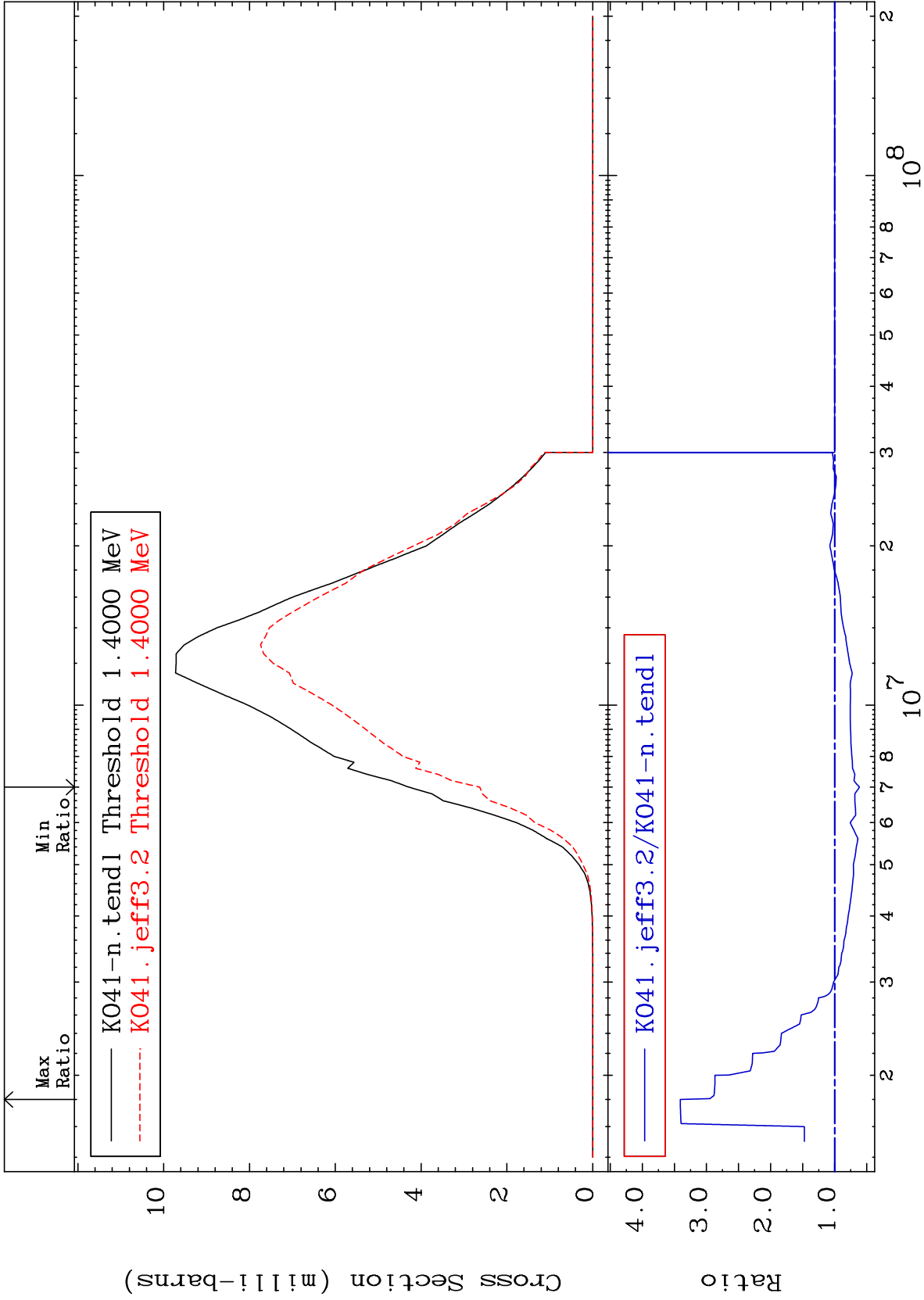


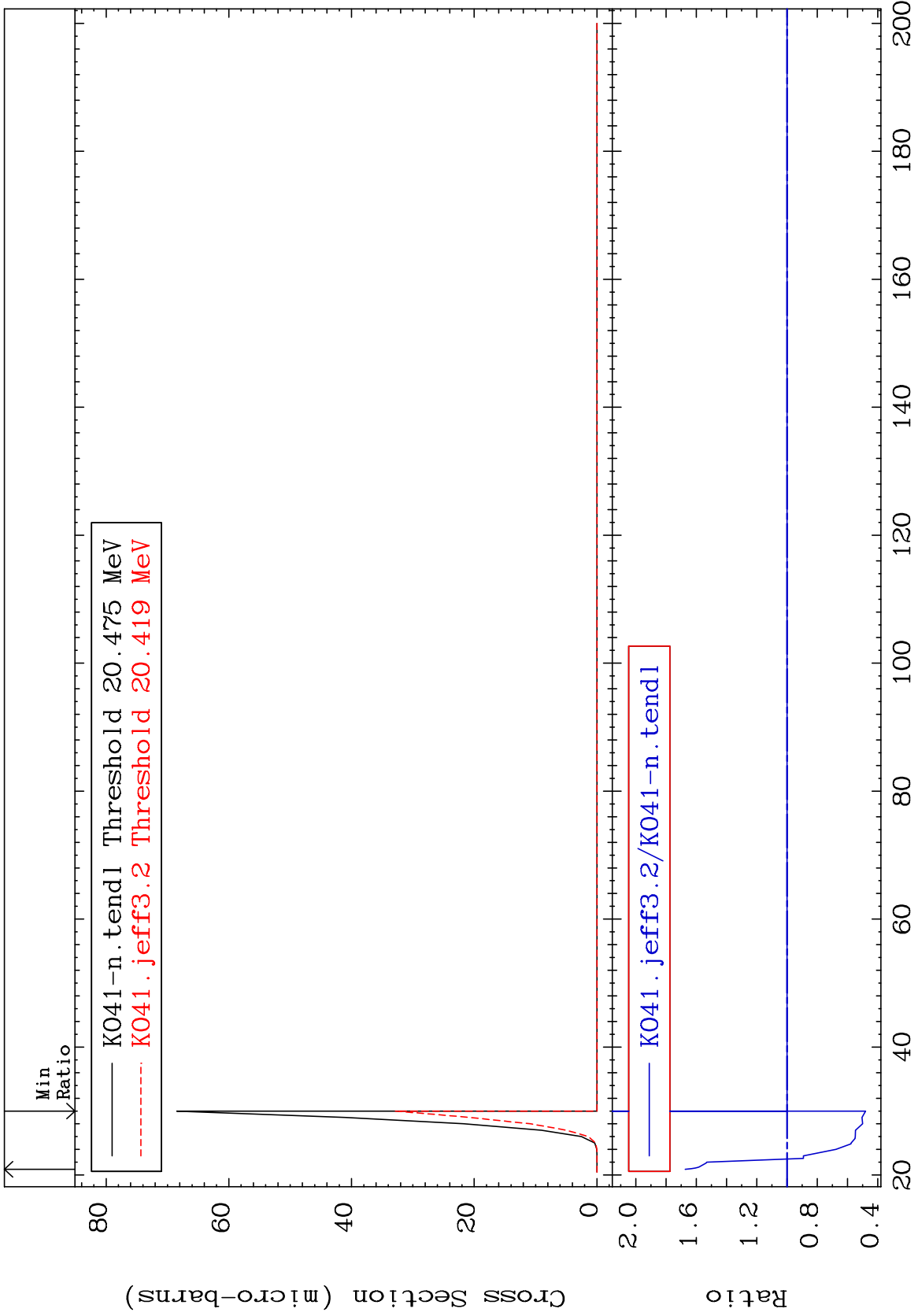
(n,  $\alpha$ ): 17-Cl-38g

Radionuclide Production Cross Section -36.48 To 9999. %



Radionuclide Production Cross Section -38.55 To 240.7 %





Radionuclide Production Cross Section -45.87 To 46.72 %

