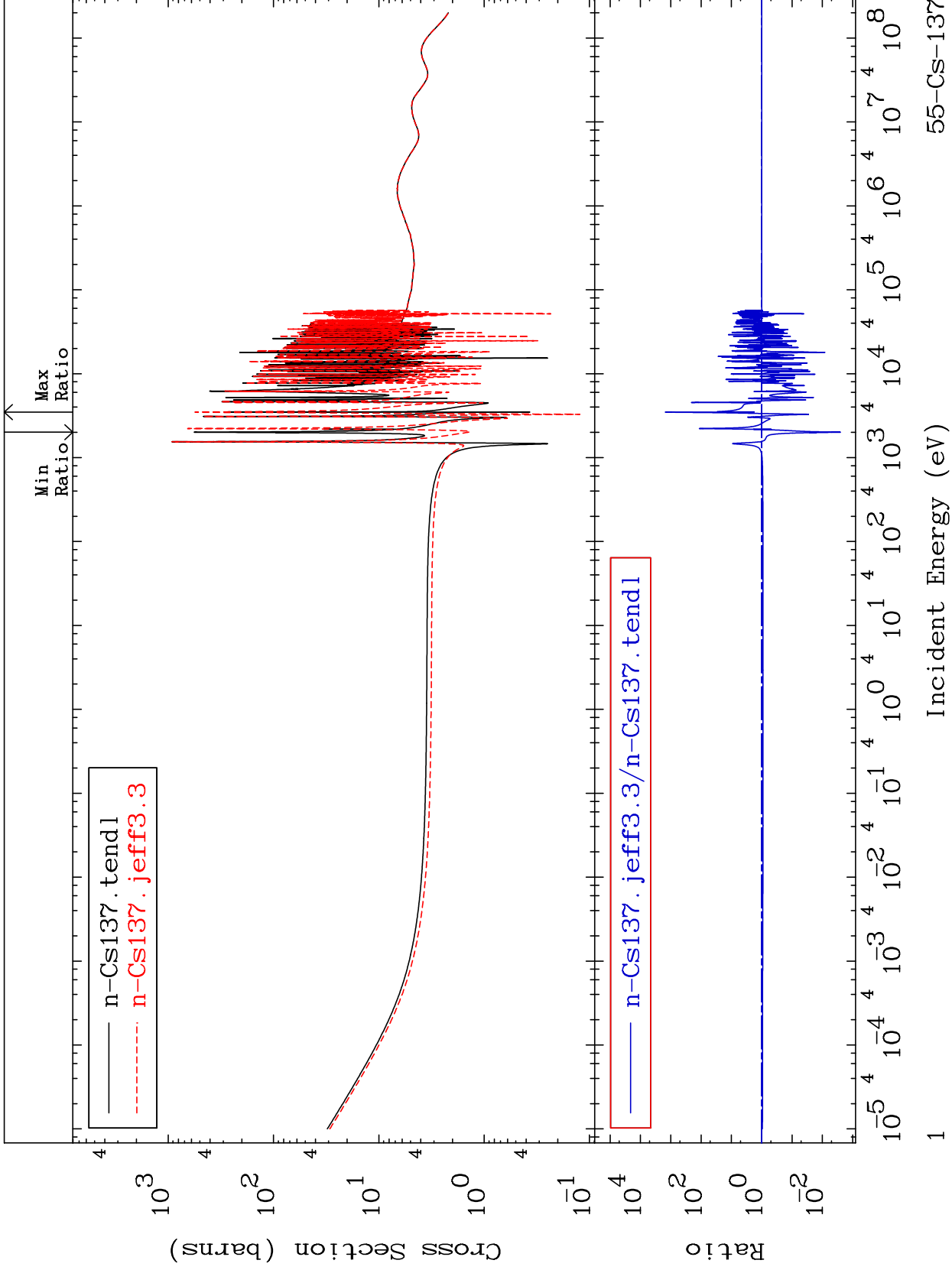


MAT 5537

Total  
Cross Section

55-Cs-137  
-99.75 To 9999. %



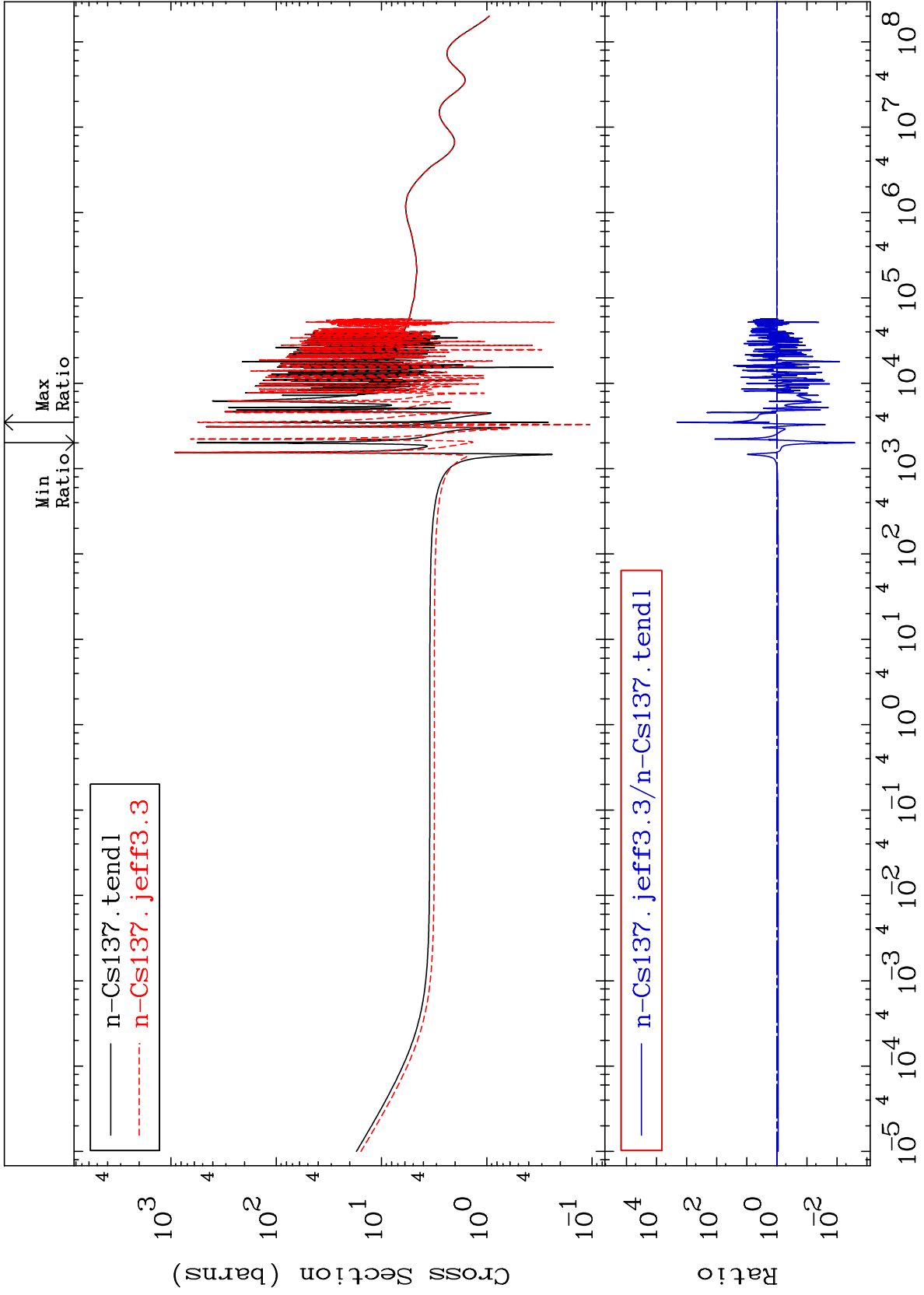
Incident Energy (eV)

55-Cs-137

MAT 5537

Elastic  
Cross Section

55-Cs-137  
-99.75 To 9999. %



2

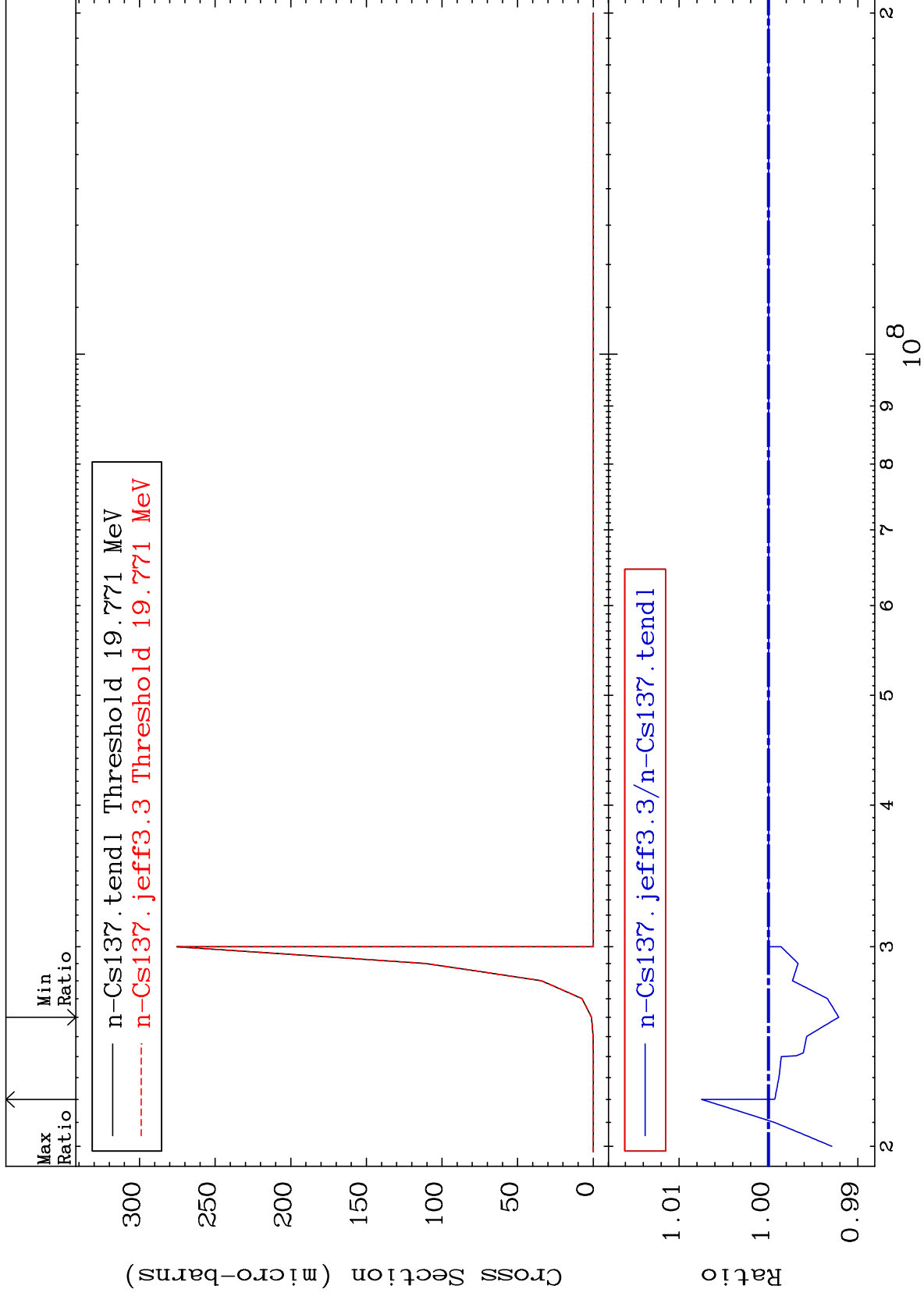
Incident Energy (eV)

55-Cs-137

MAT 5537

(n,2n) d  
Cross Section

55-Cs-137  
-0.786 To 0.748 %



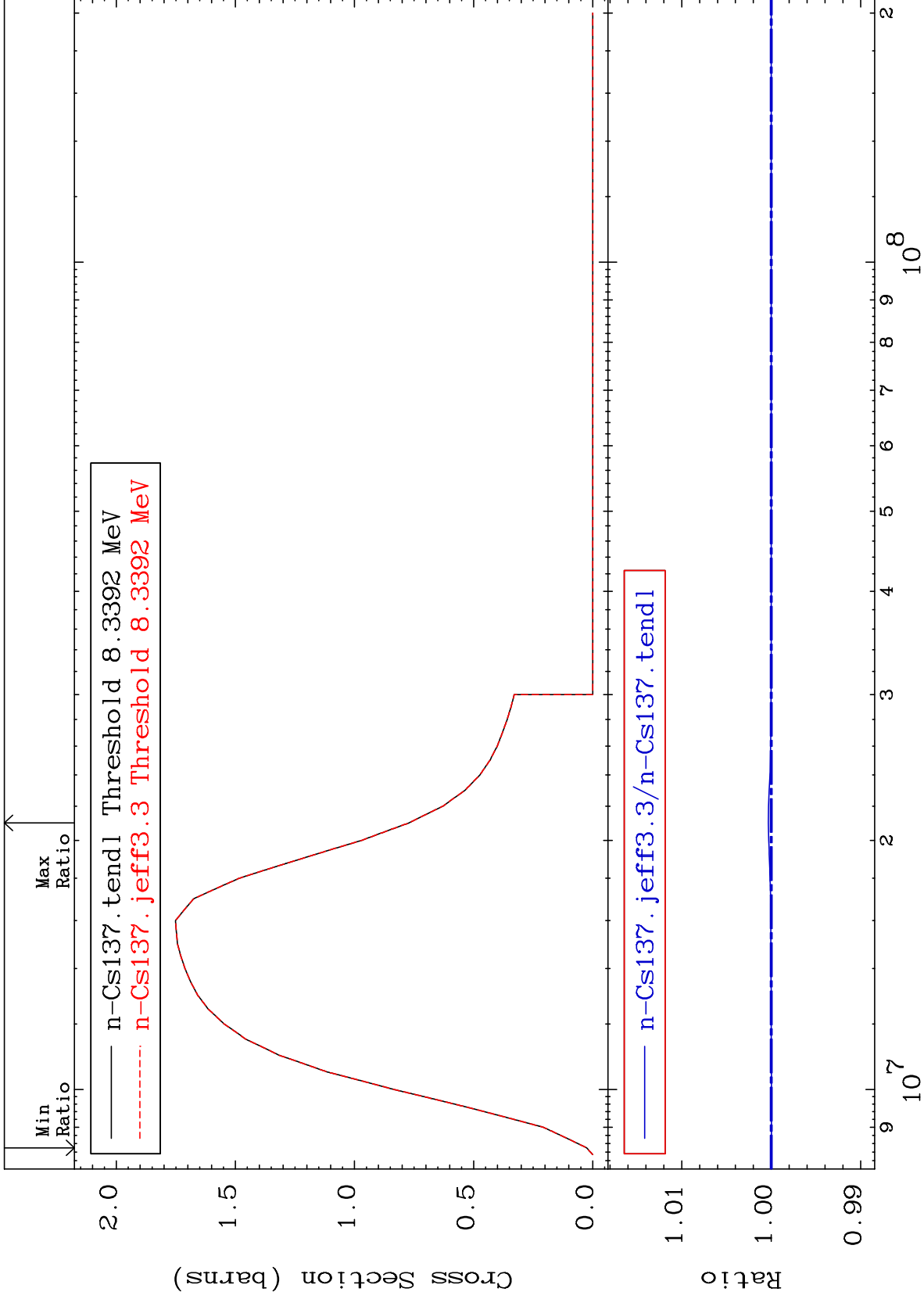
MAT 5537

(n,2n)

55-Cs-137

Cross Section

-0.003 To 0.033 %



4

Incident Energy (eV)

55-Cs-137

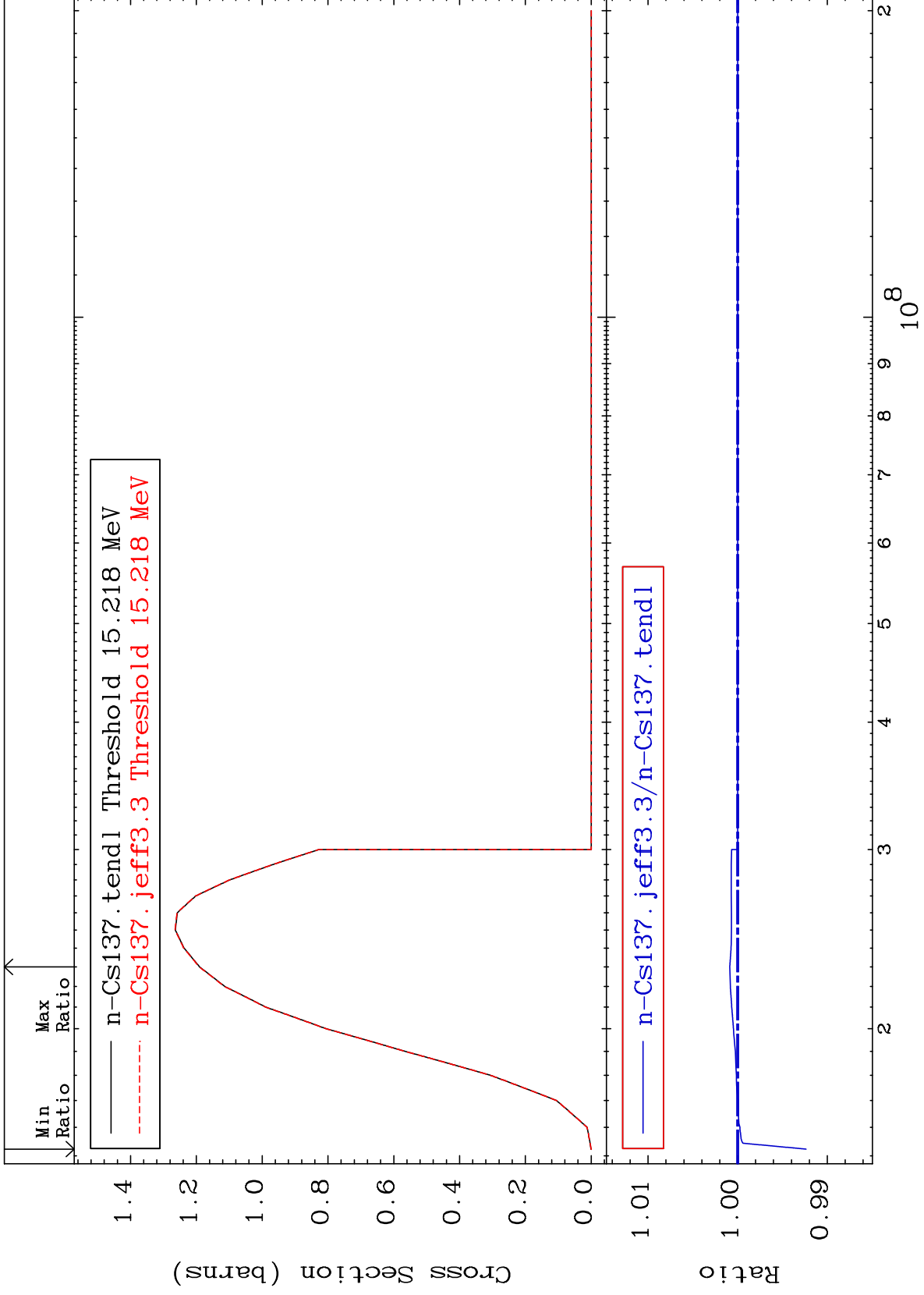
MAT 5537

(n,3n)

55-Cs-137

Cross Section

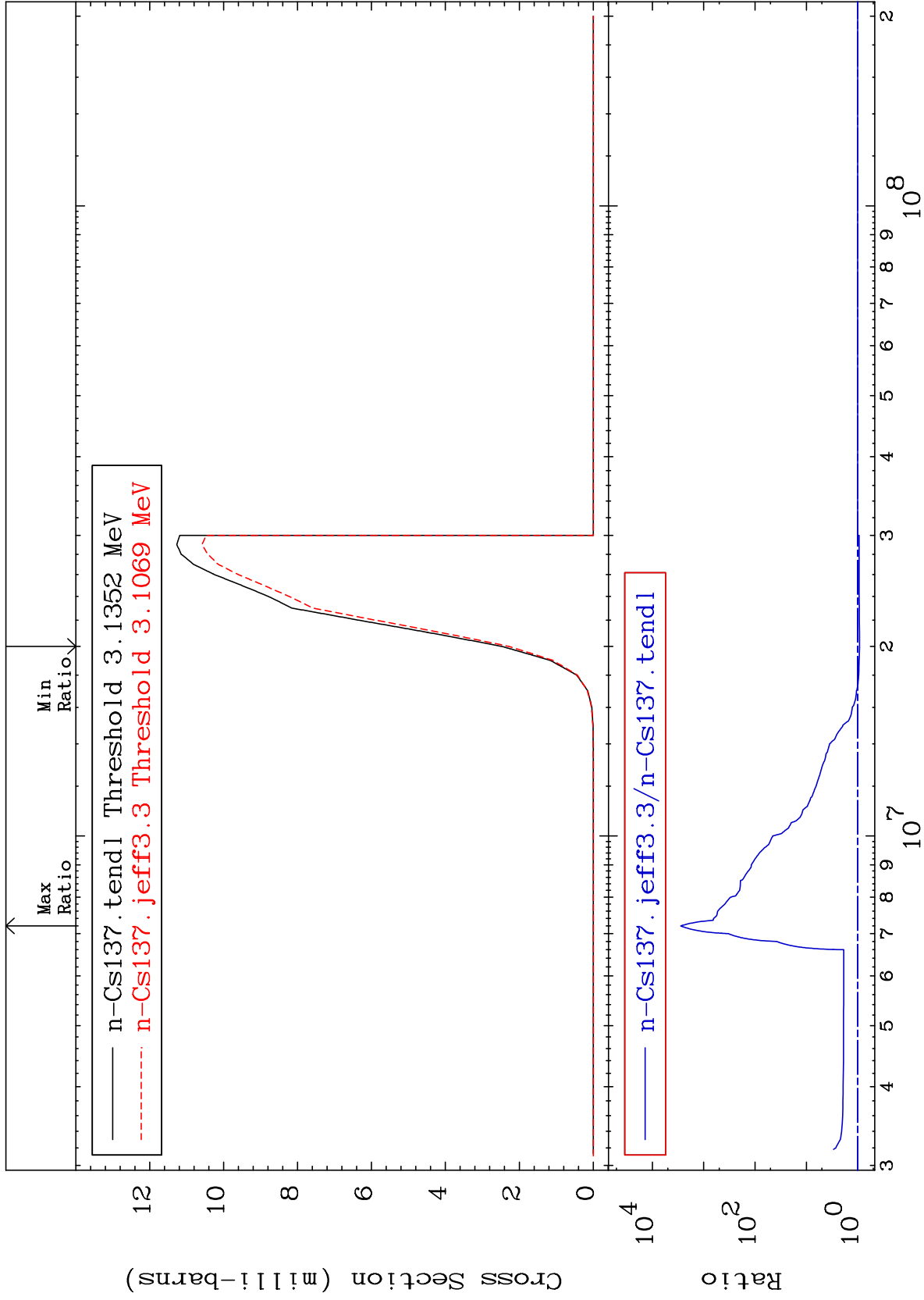
-0.764 To 0.088 %

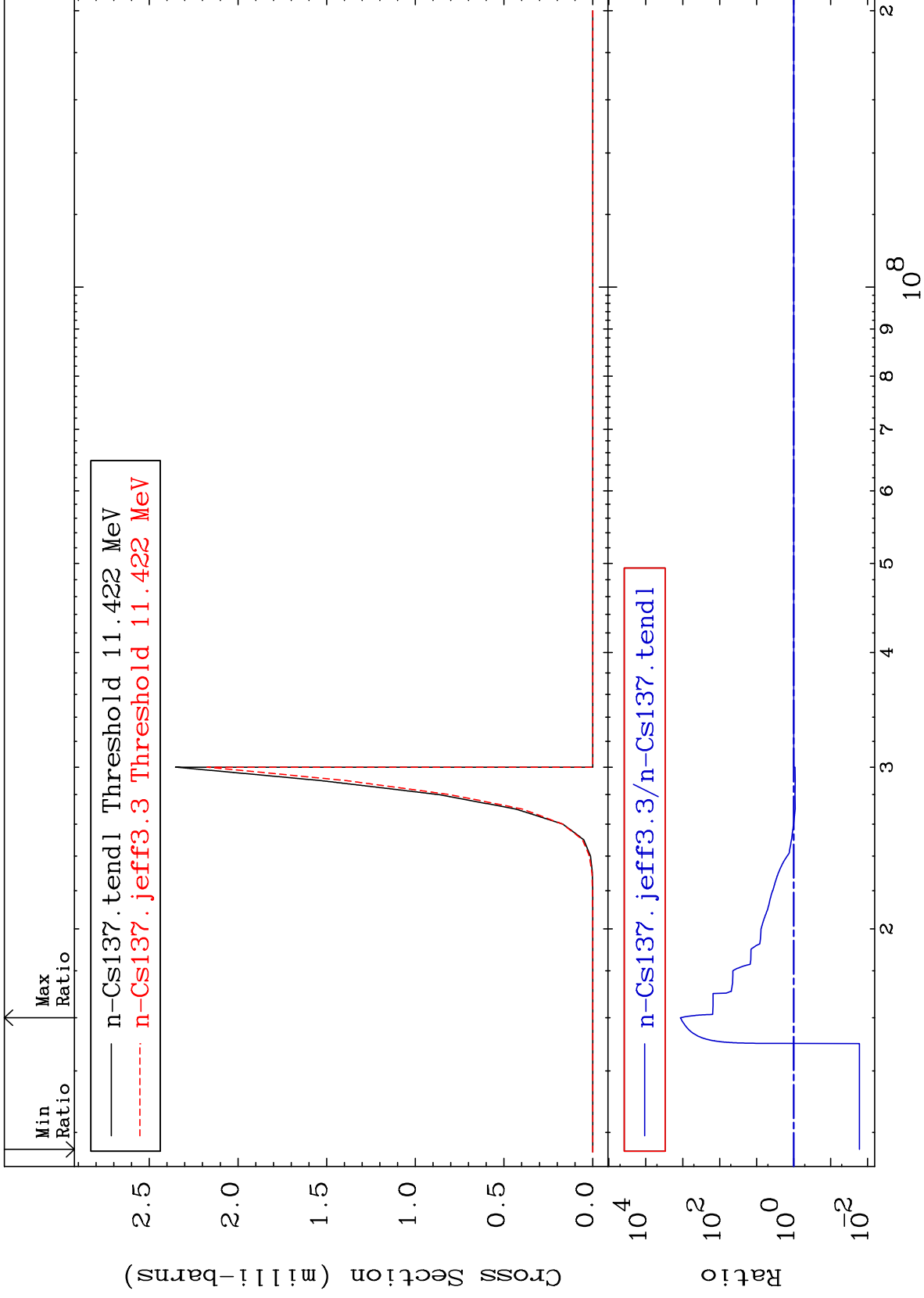


MAT 5537

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

55-Cs-137  
-7.780 To 9999. %

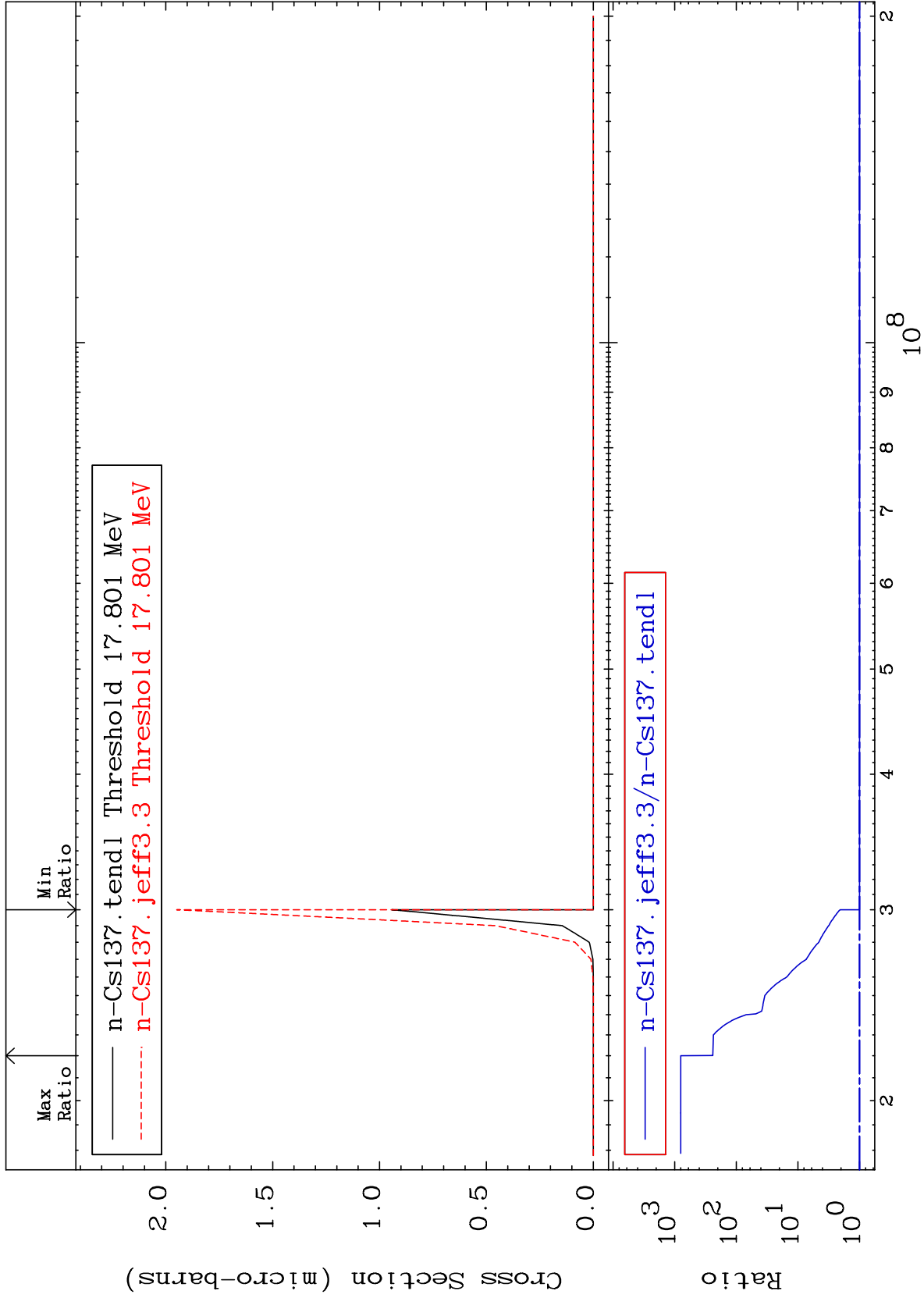




MAT 5537

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

55-Cs-137  
To 9999. %  
0.000

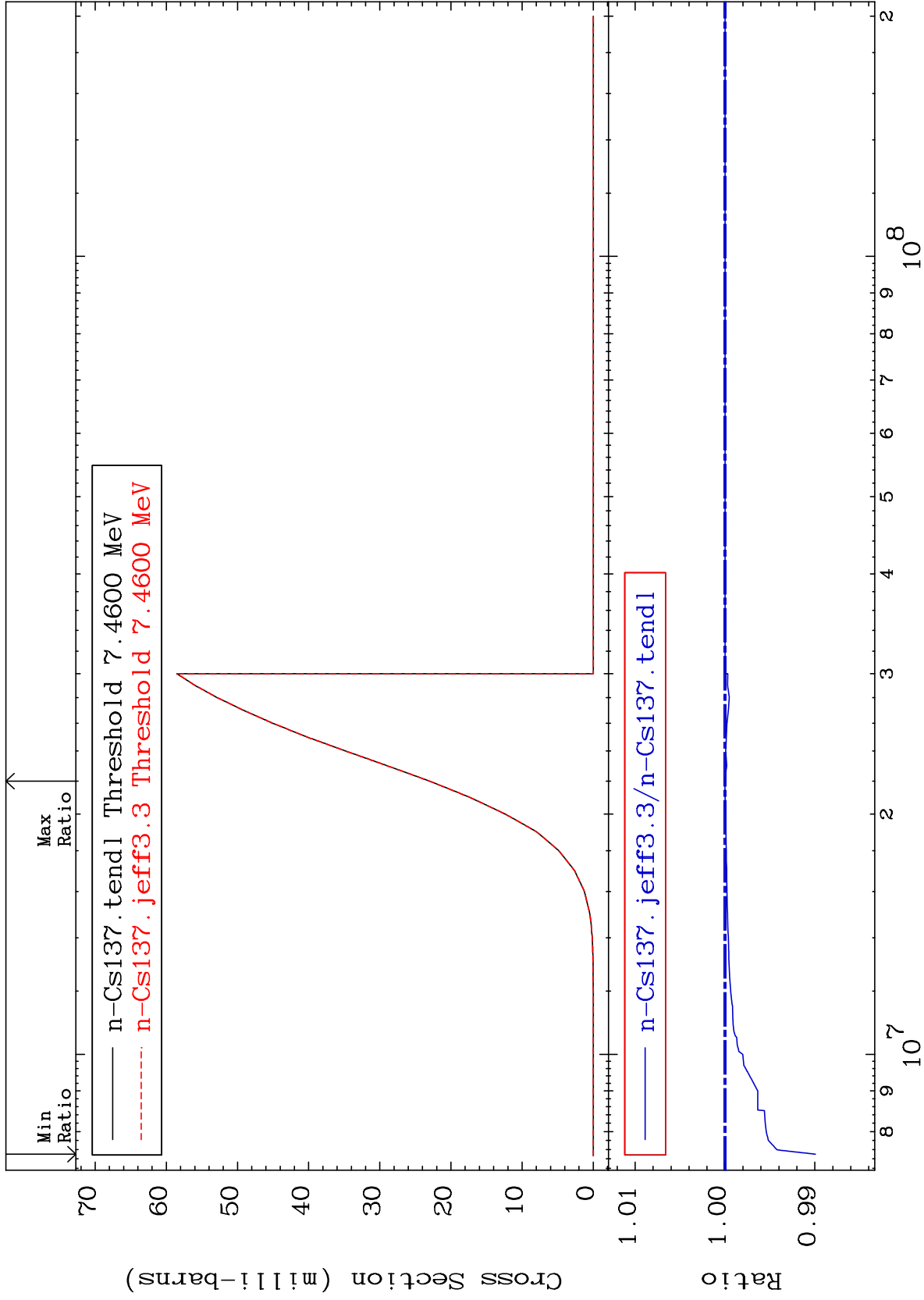




MAT 5537

(n,n') p  
Cross Section

55-Cs-137  
-1.006 To 0.000 %



9

Incident Energy (eV)

55-Cs-137

MAT 5537

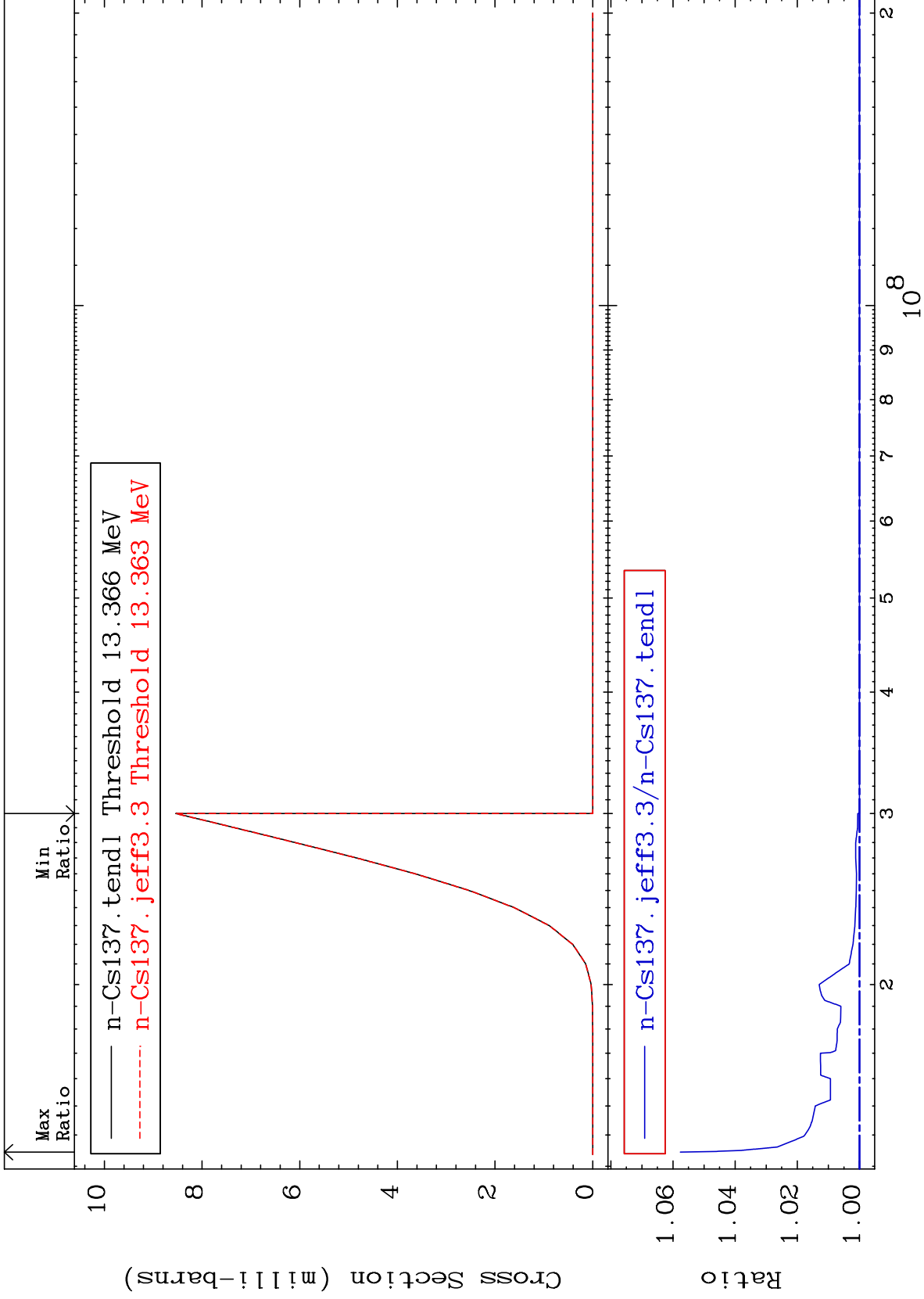
(n,n') d

55-Cs-137

Cross Section

0.000

To 5.762 %



10

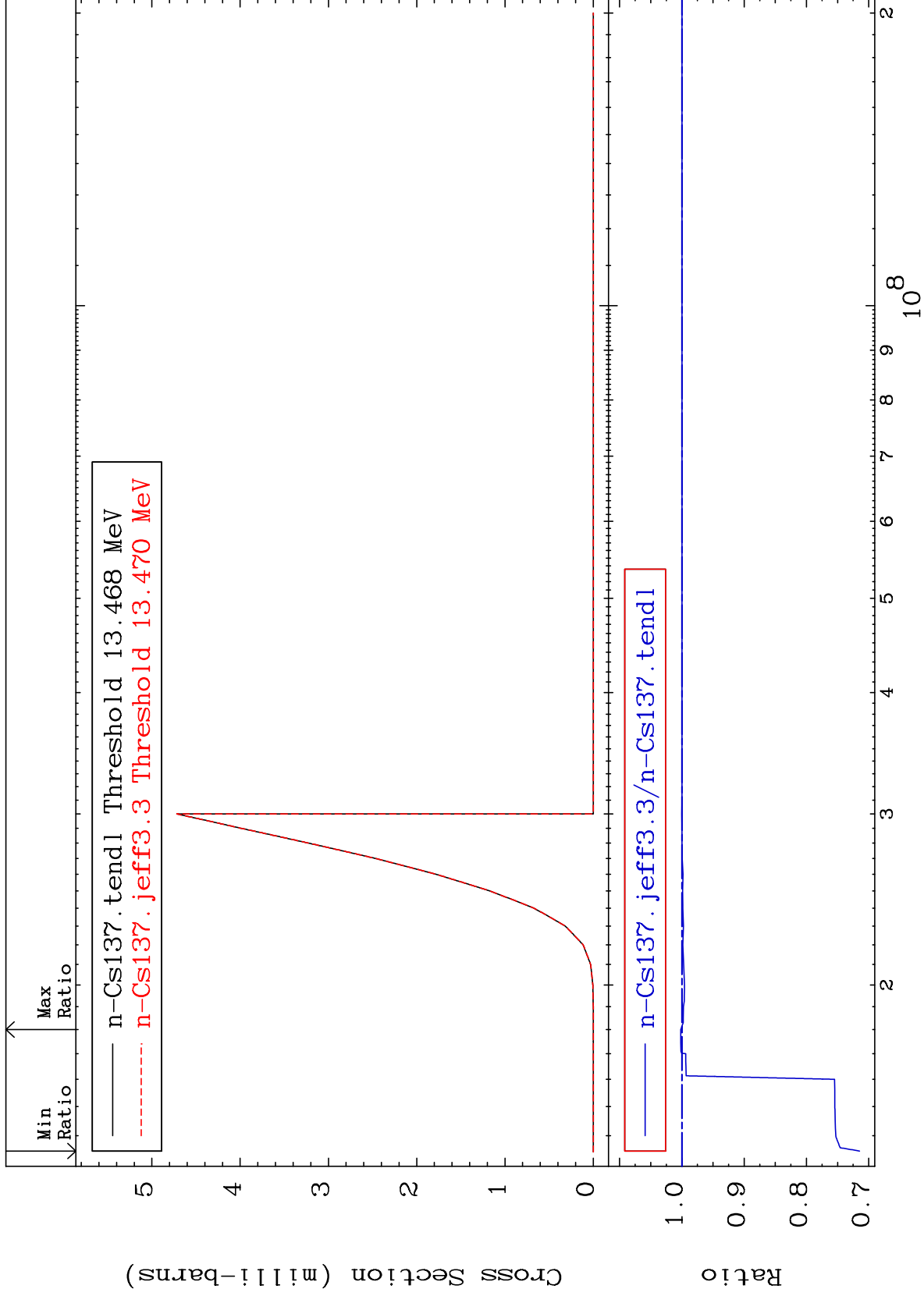
Incident Energy (eV)

55-Cs-137

MAT 5537

(n,n') t  
Cross Section

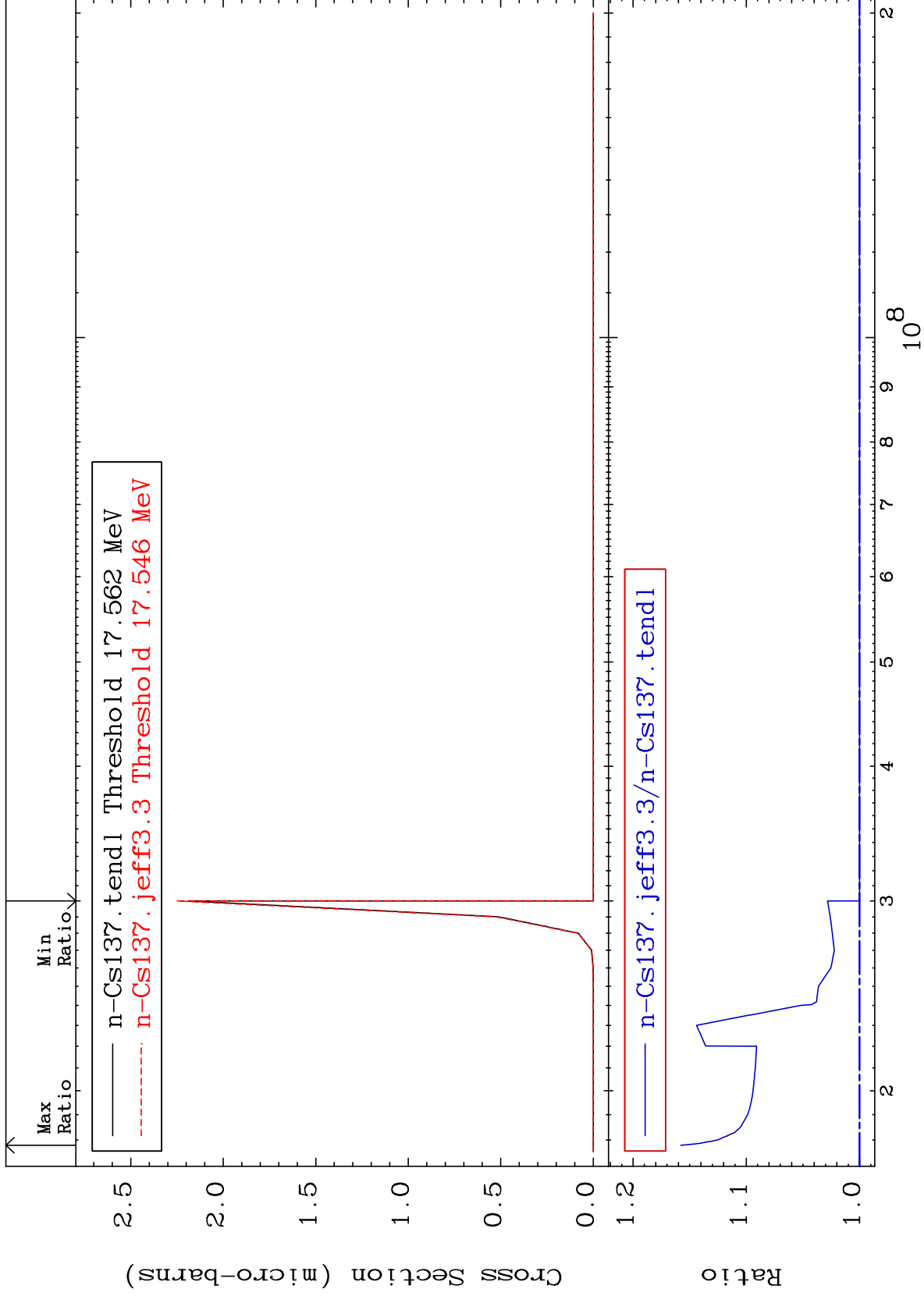
55-Cs-137  
-28.52 To 0.183 %



MAT 5537

(n, n') He-3  
Cross Section

55-Cs-137  
To 15.79 %



12

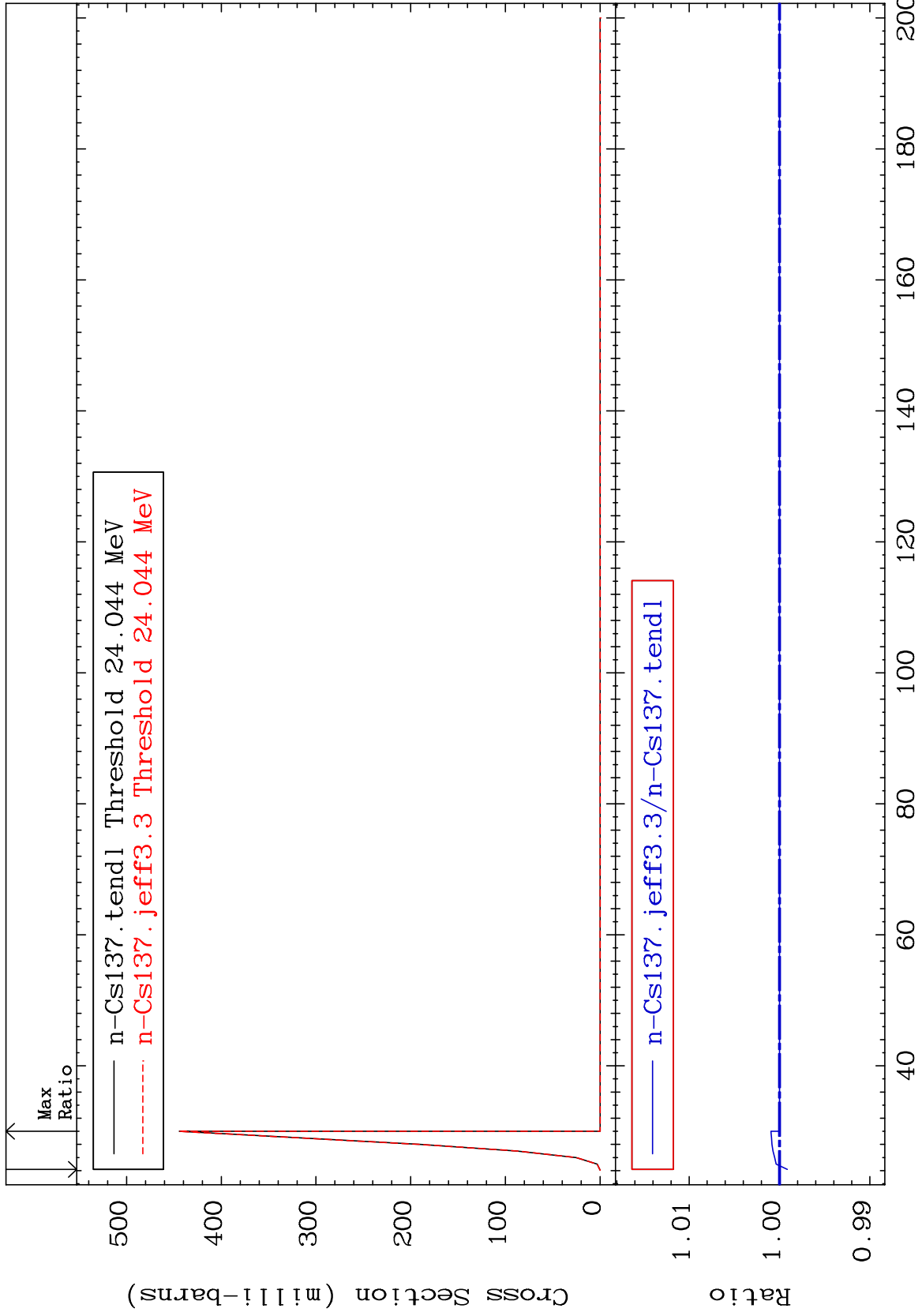
Incident Energy (eV)

55-Cs-137

MAT 5537

(n,4n)  
Cross Section

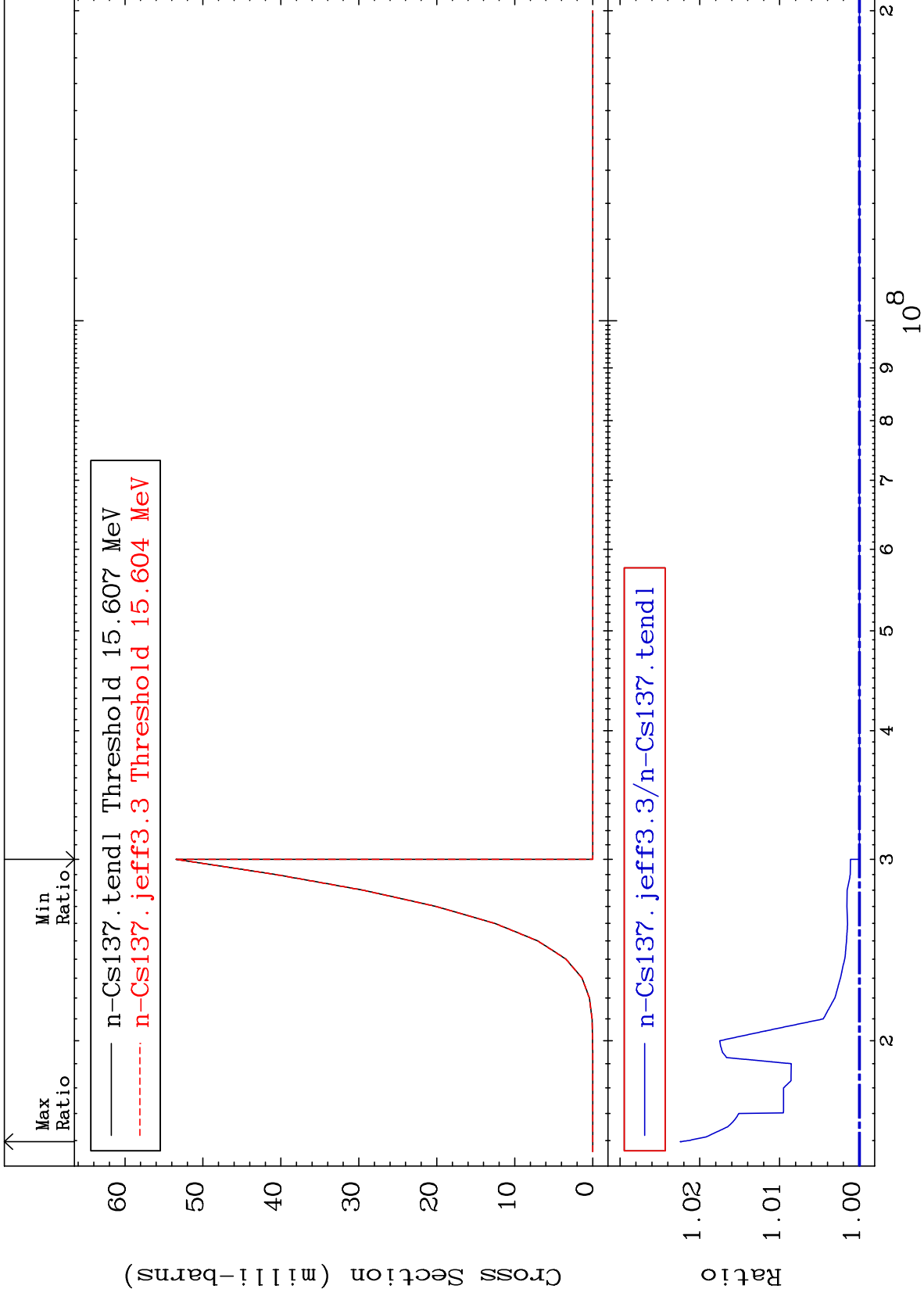
55-Cs-137  
-0.085 To 0.096 %



MAT 5537

(n,2n) p  
Cross Section

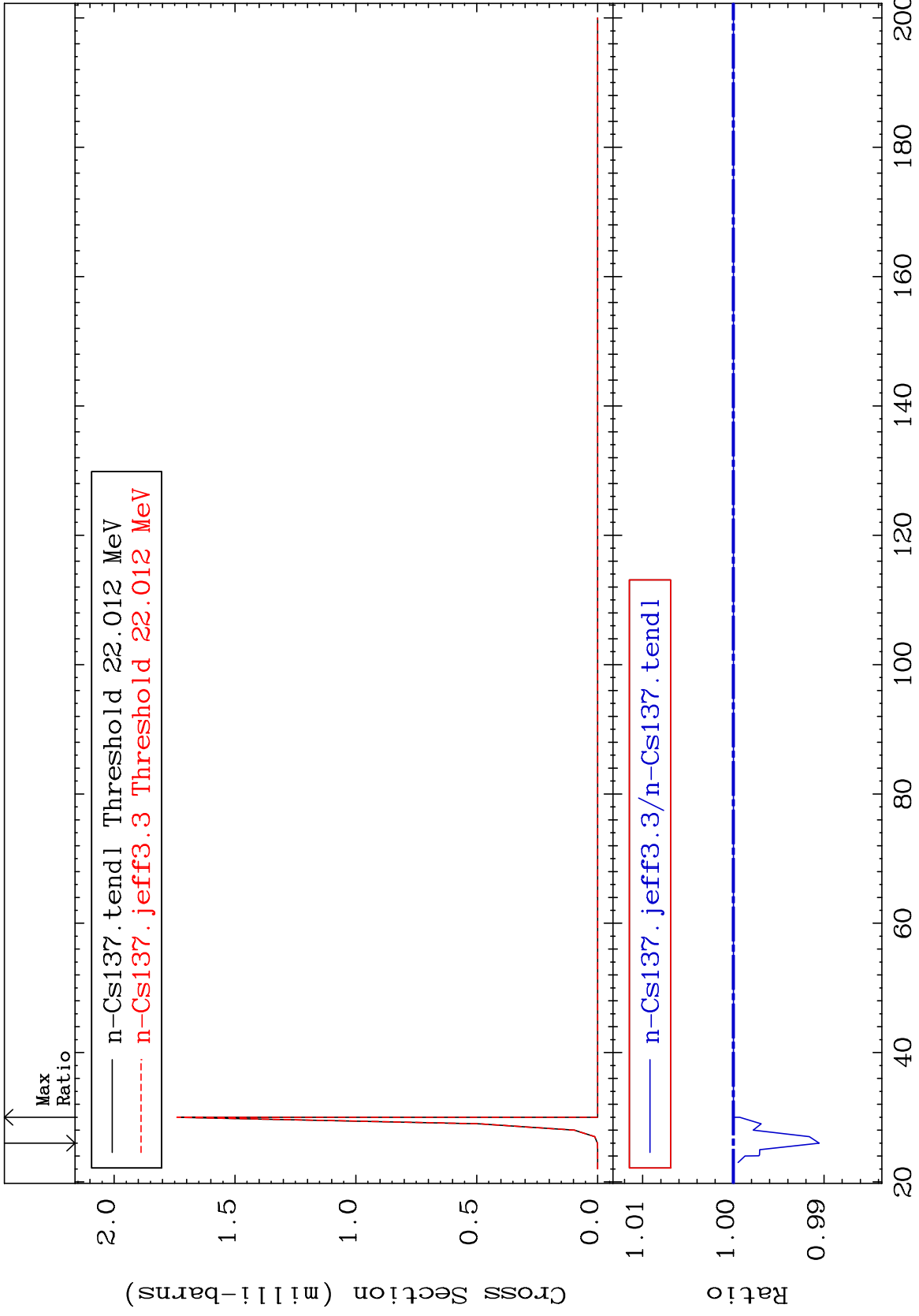
55-Cs-137  
0.000 To 2.244 %



MAT 5537

(n,3n) p  
Cross Section

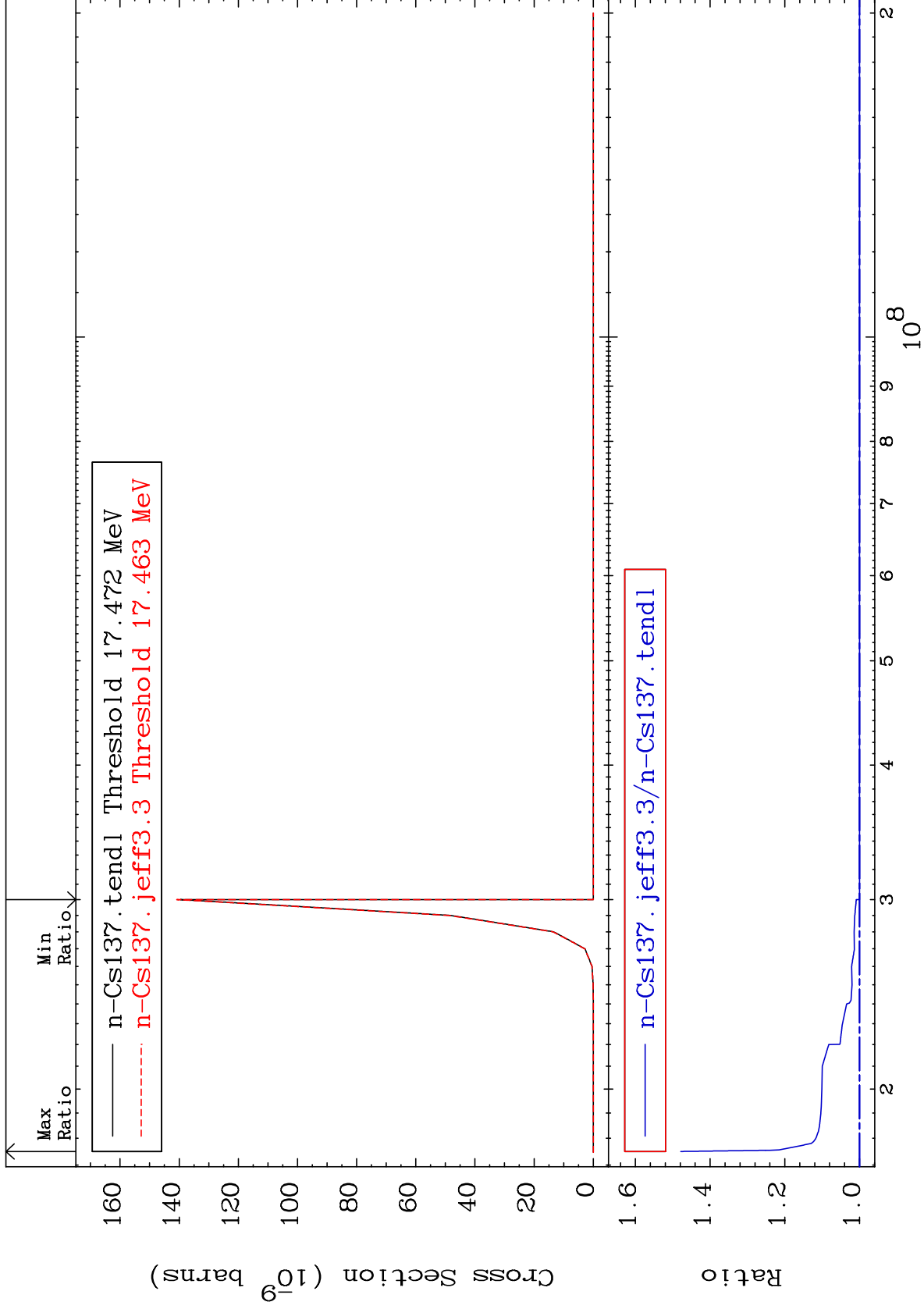
55-Cs-137  
-0.945 To 0.000 %



MAT 5537

(n,2n) p  
Cross Section

55-Cs-137  
0.000 To 47.86 %

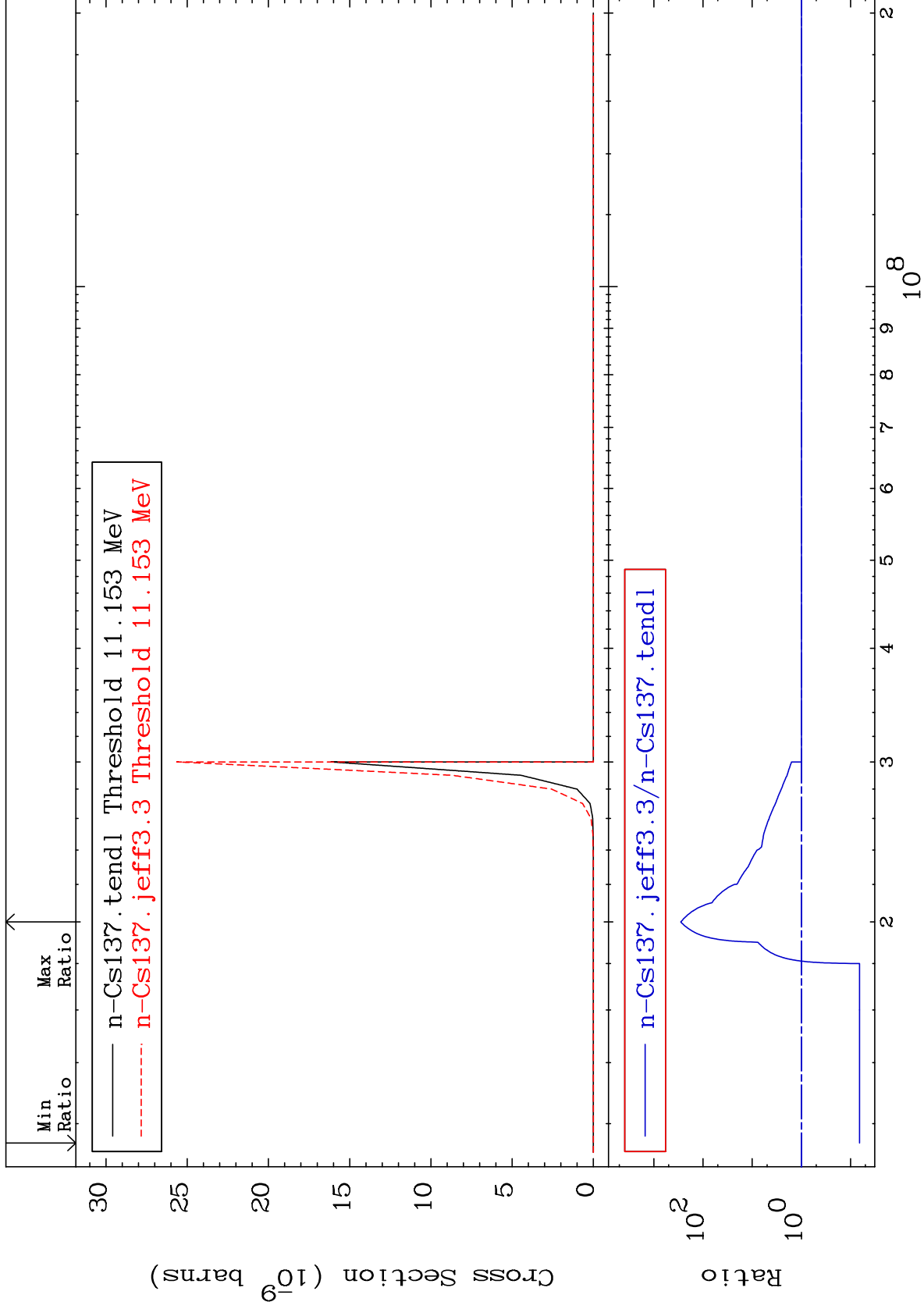




MAT 5537

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

55-Cs-137  
-93.41 To 9999. %



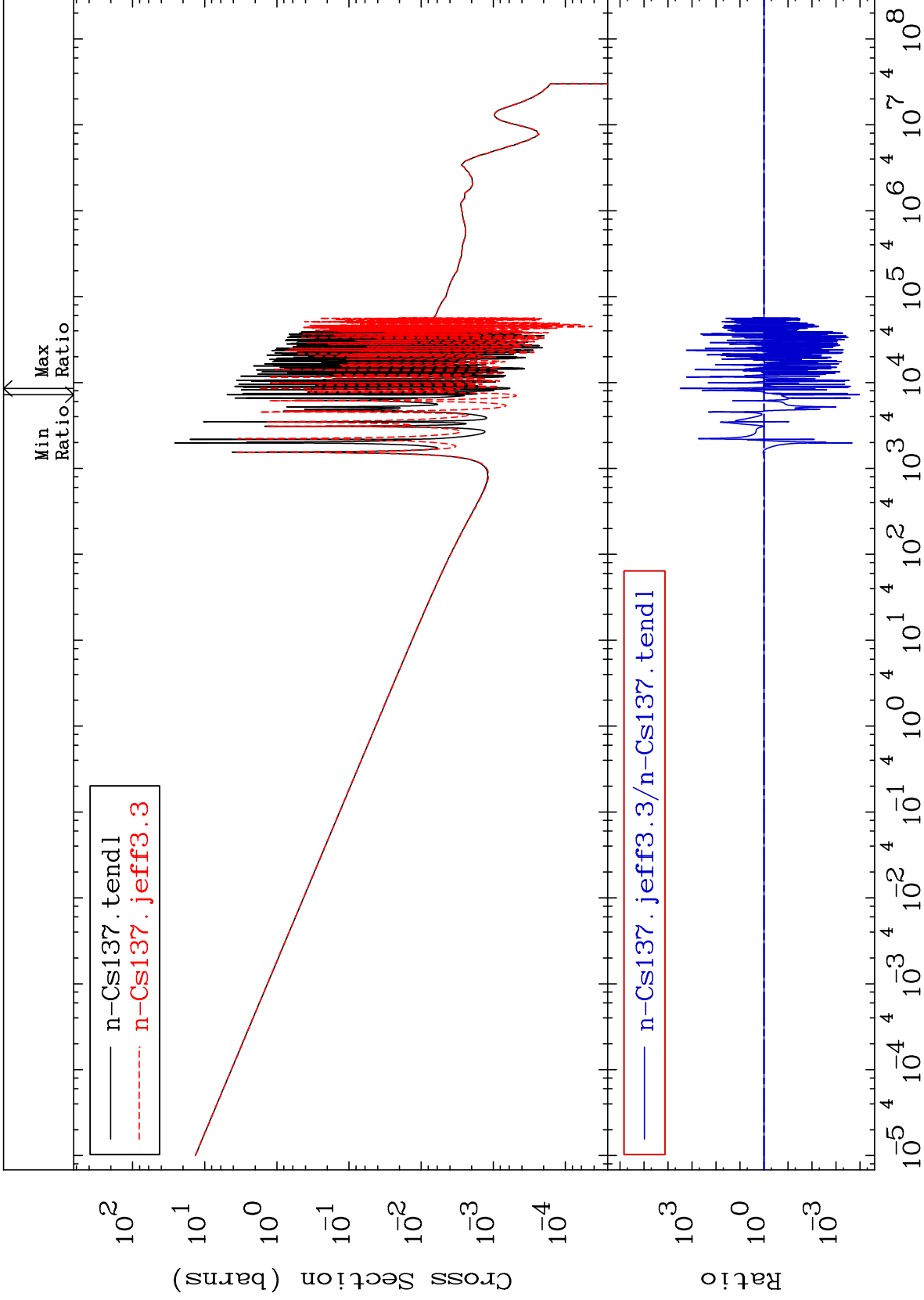
MAT 5537

(n,  $\gamma$ )

55-Cs-137

Cross Section

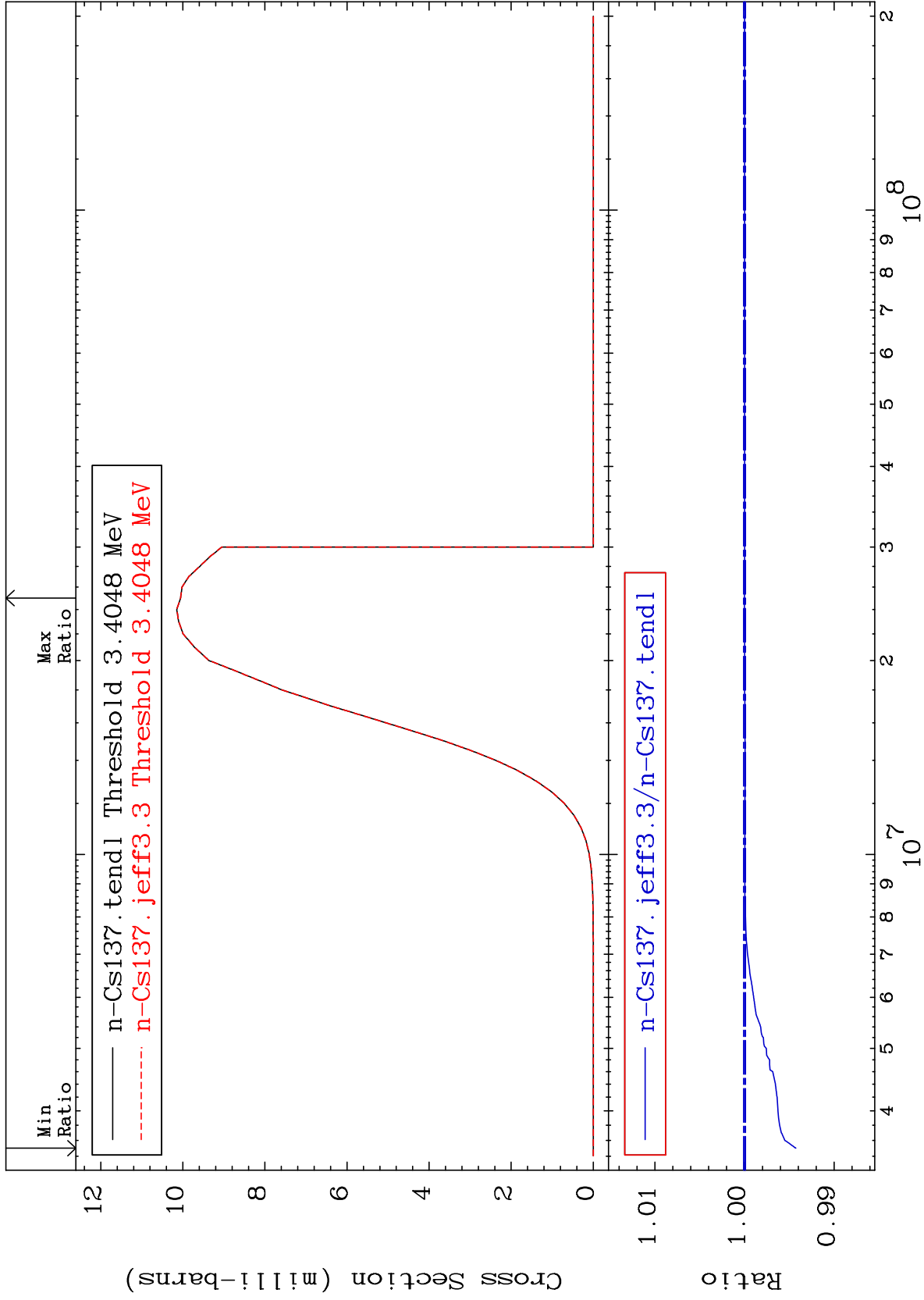
-99.99 To 9999. %



MAT 5537

55-Cs-137

(n,p)  
Cross Section  
-0.573 To 0.000 %



19

Incident Energy (eV)

55-Cs-137

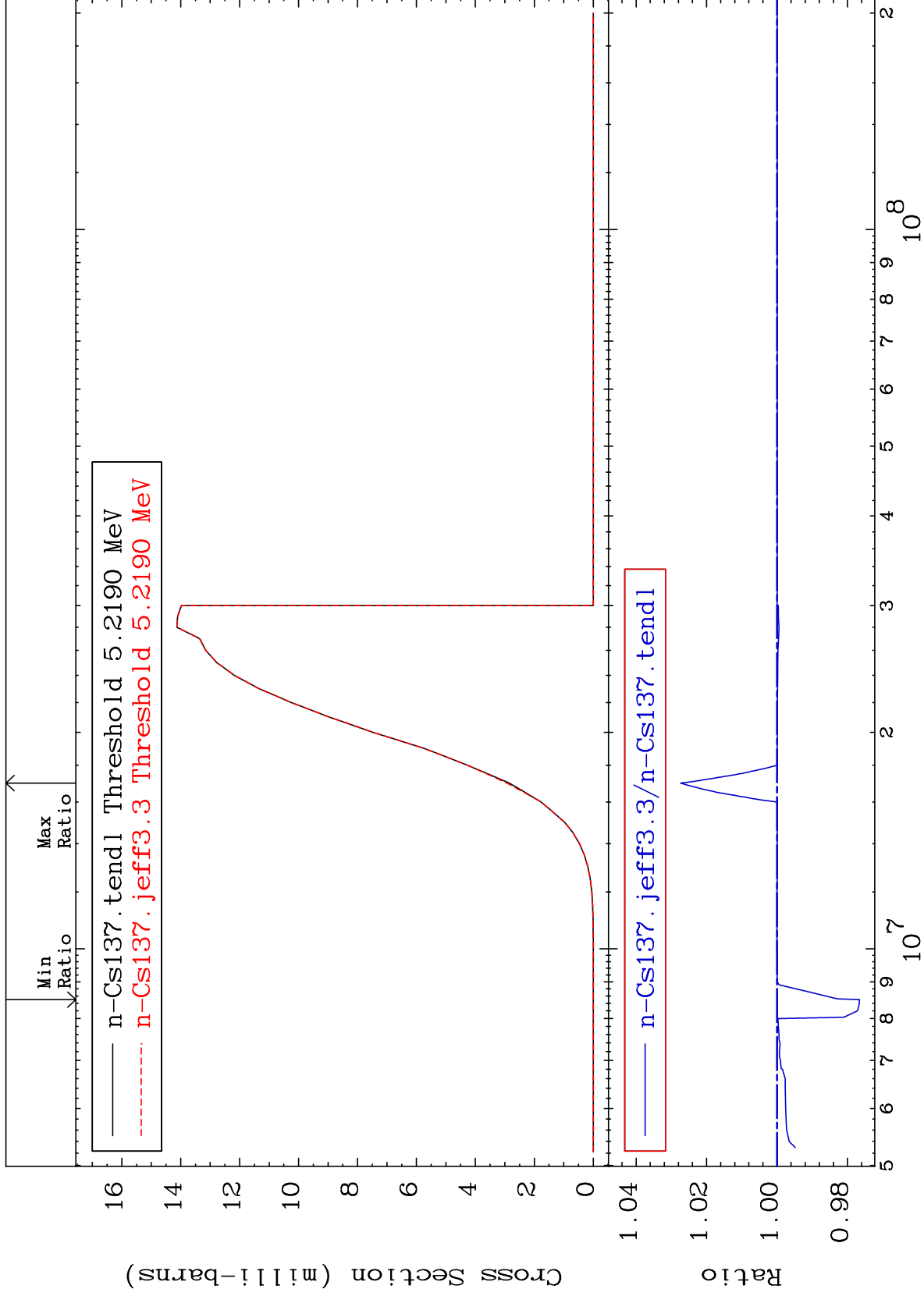
MAT 5537

(n, d)

55-Cs-137

Cross Section

-2.341 To 2.732 %



20

Incident Energy (eV)

55-Cs-137

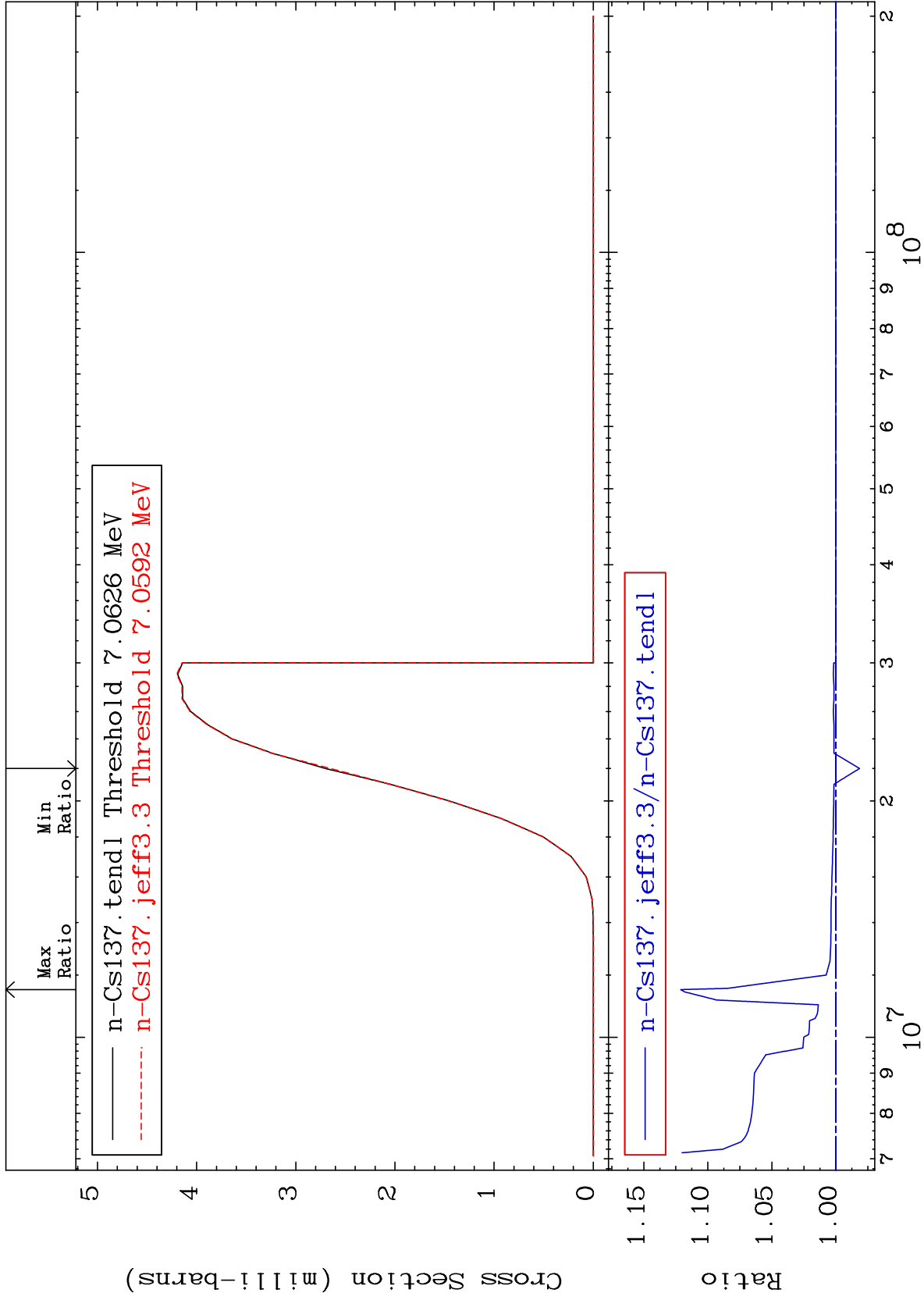
MAT 5537

(n, t)

55-Cs-137

Cross Section

-1.846 To 12.11 %



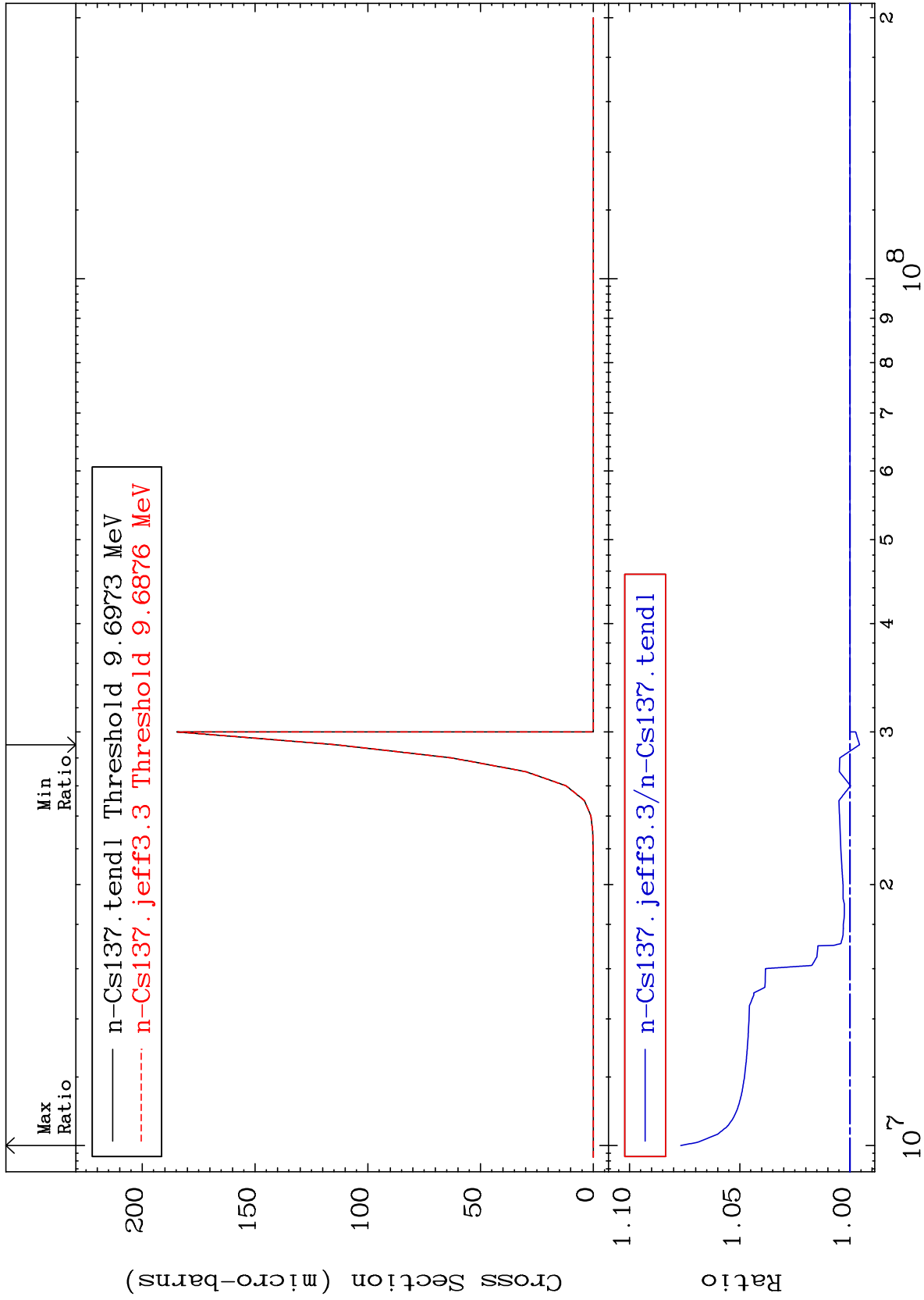
MAT 5537

(n, He-3)

55-Cs-137

Cross Section

-0.437 To 7.677 %



22

Incident Energy (eV)

55-Cs-137

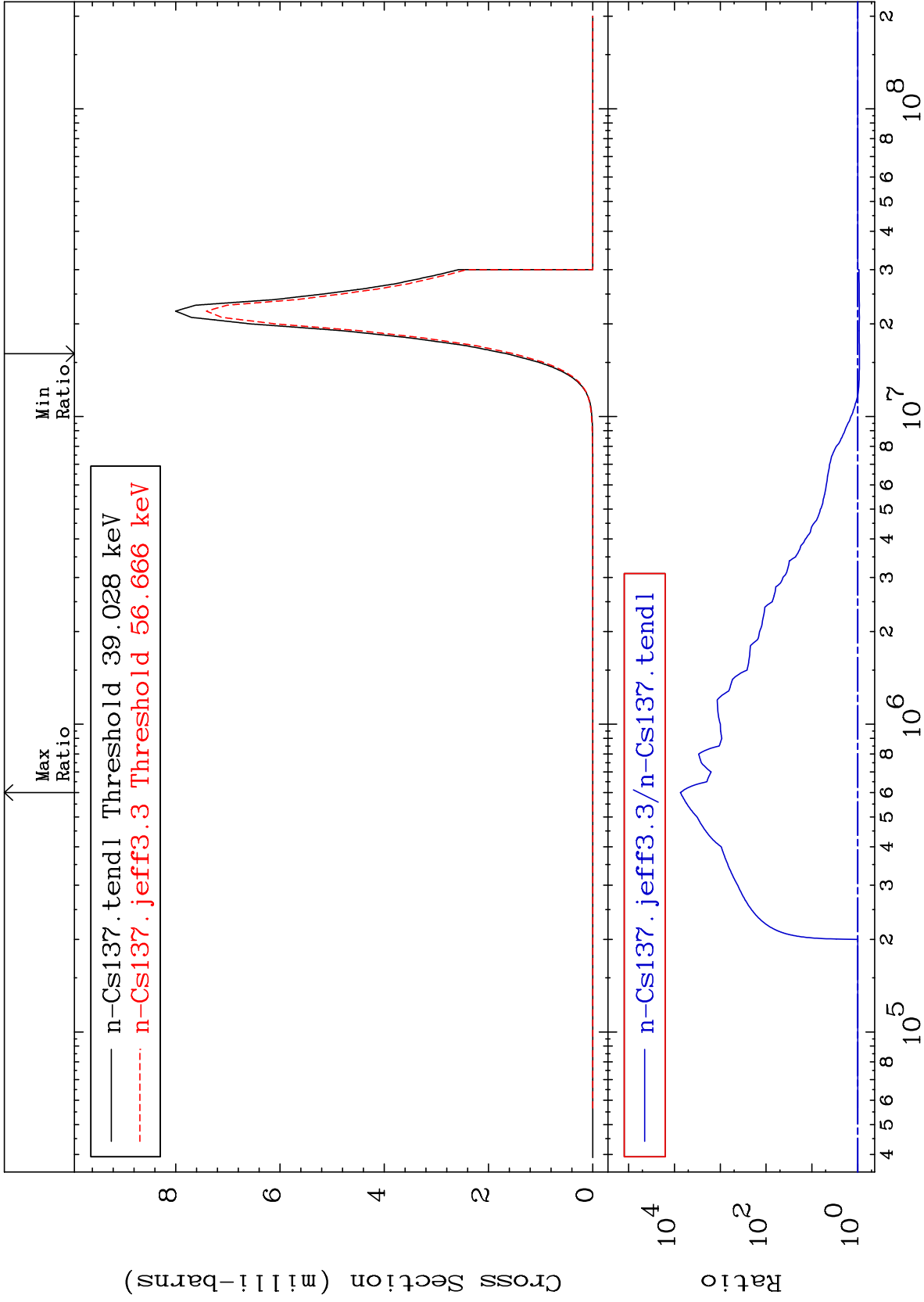
MAT 5537

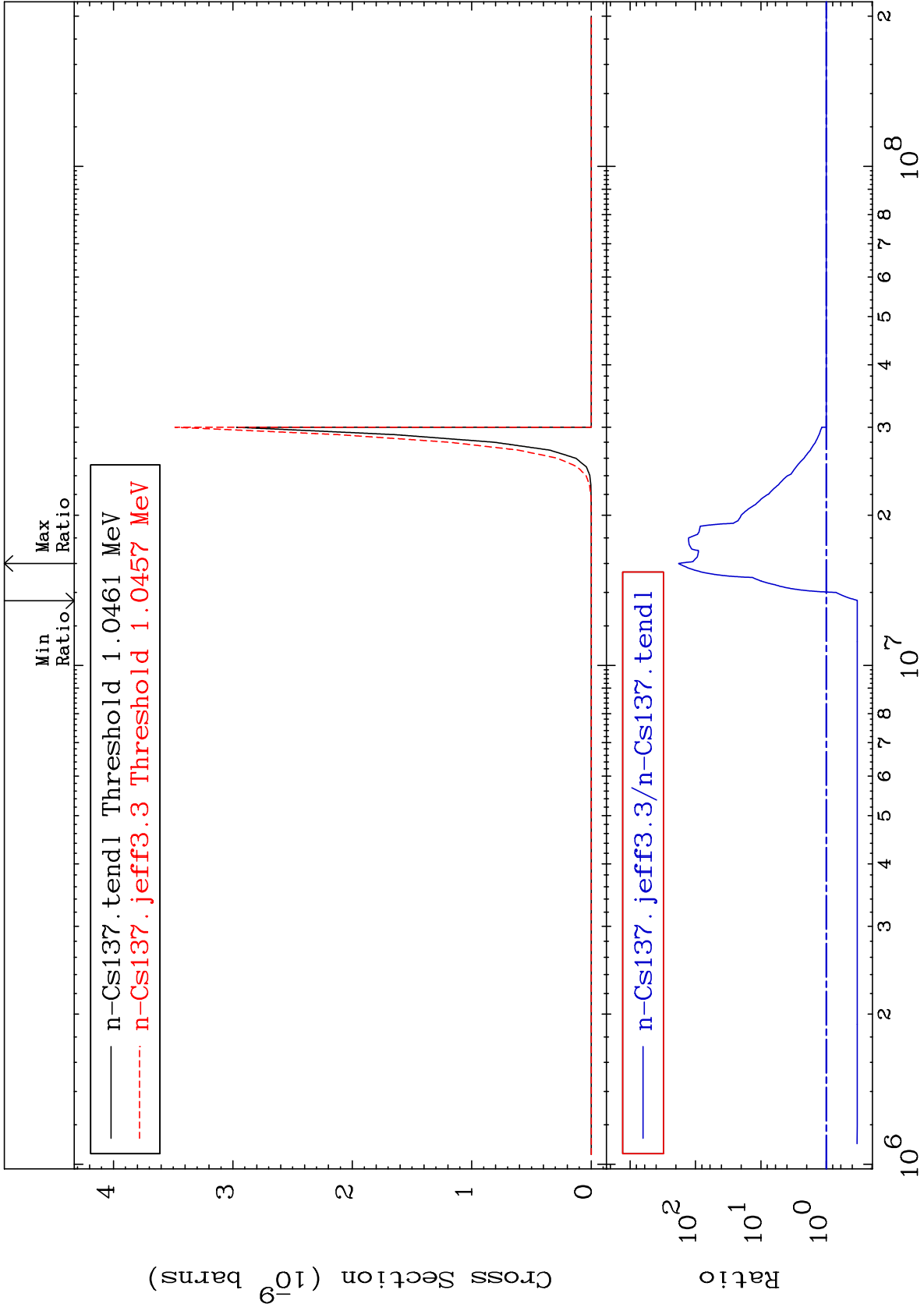
(n,  $\alpha$ )

55-Cs-137

Cross Section

-8.012 To 9999. %







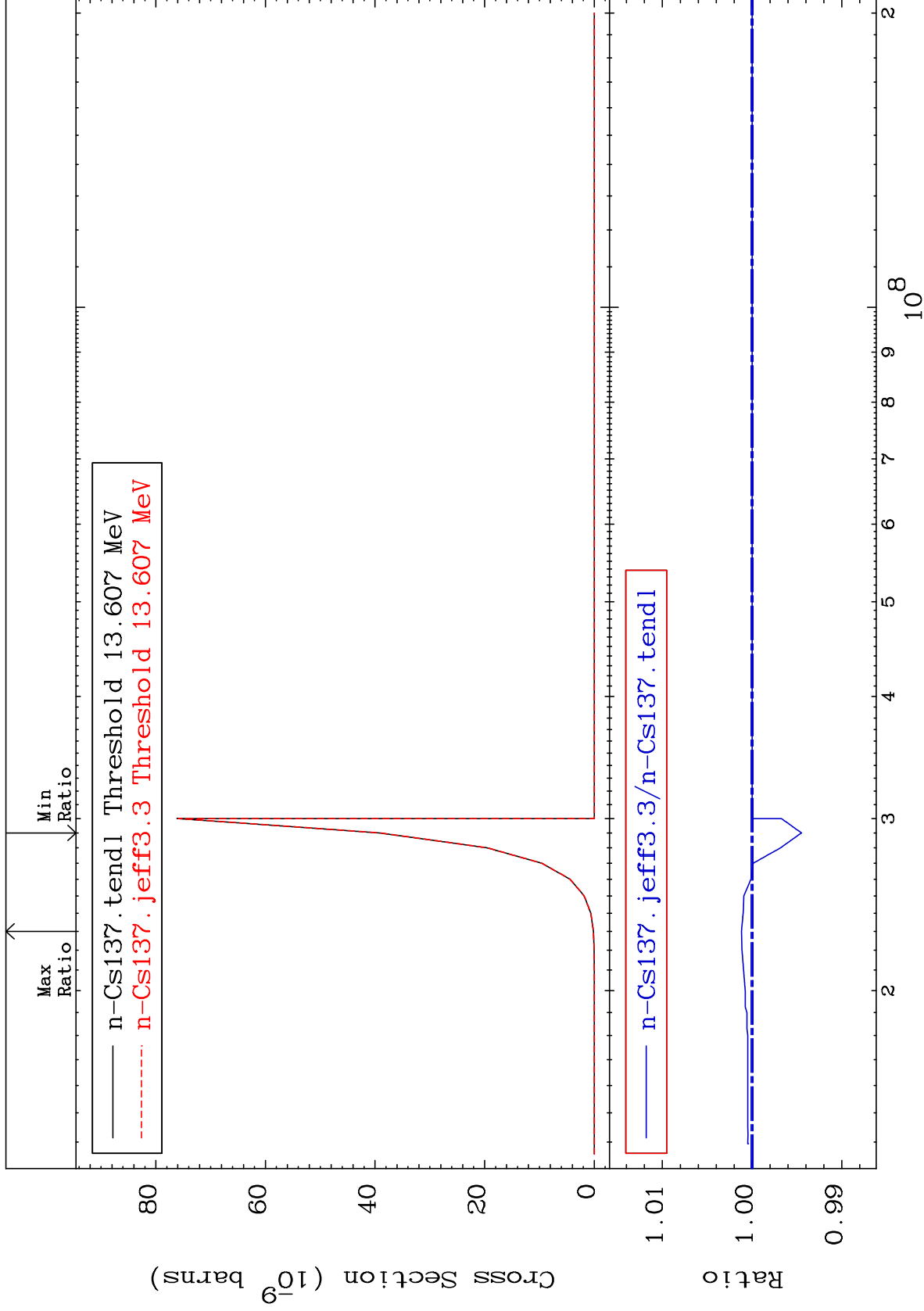
MAT 5537

(n,2p)

55-Cs-137

Cross Section

-0.550 To 0.119 %



25

Incident Energy (eV)

55-Cs-137

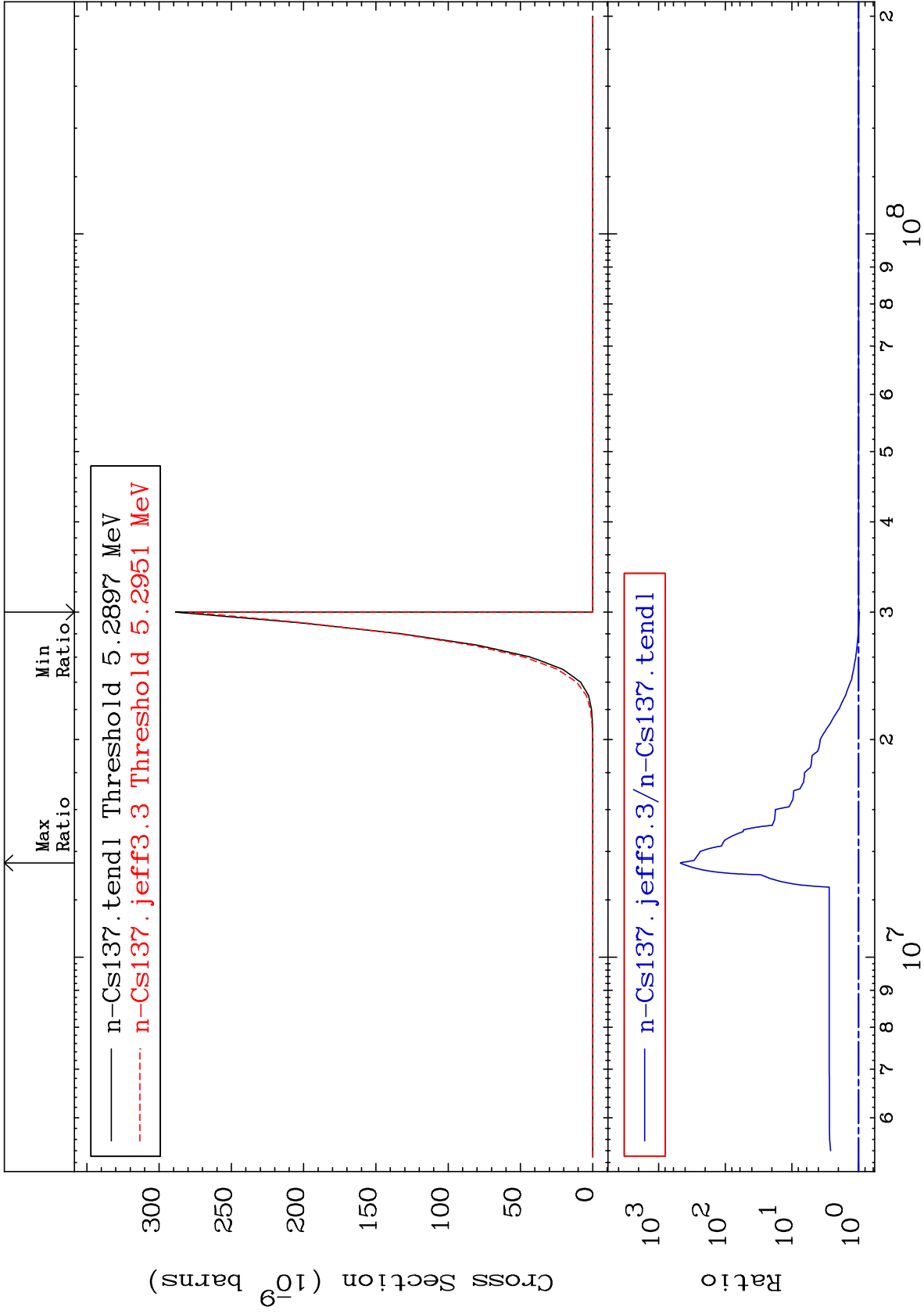
MAT 5537

(n, p)  $\alpha$

55-Cs-137

Cross Section

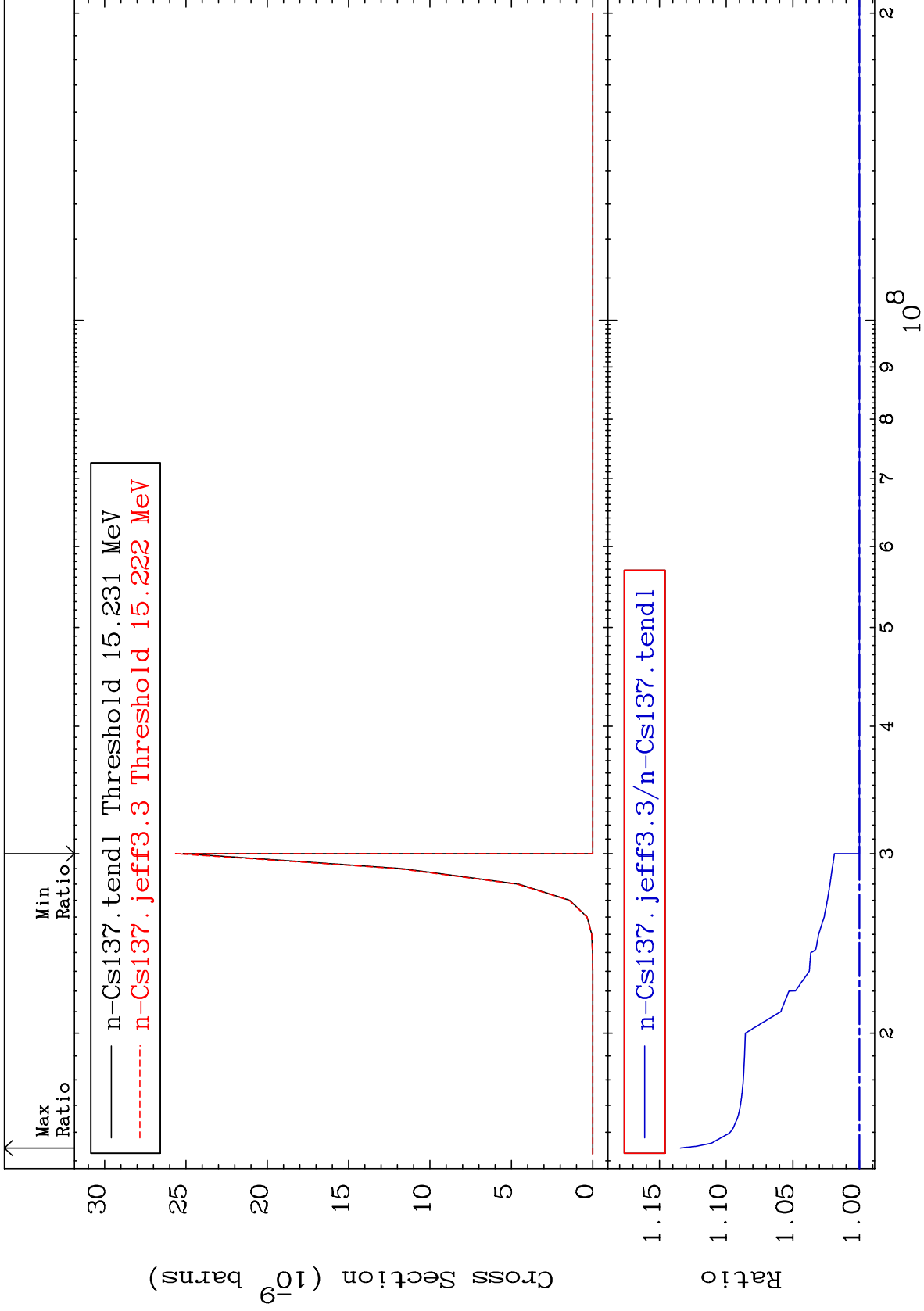
-3.169 To 9999. %



MAT 5537

(n,p) d  
Cross Section

55-Cs-137  
0.000 To 13.44 %



MAT 5537

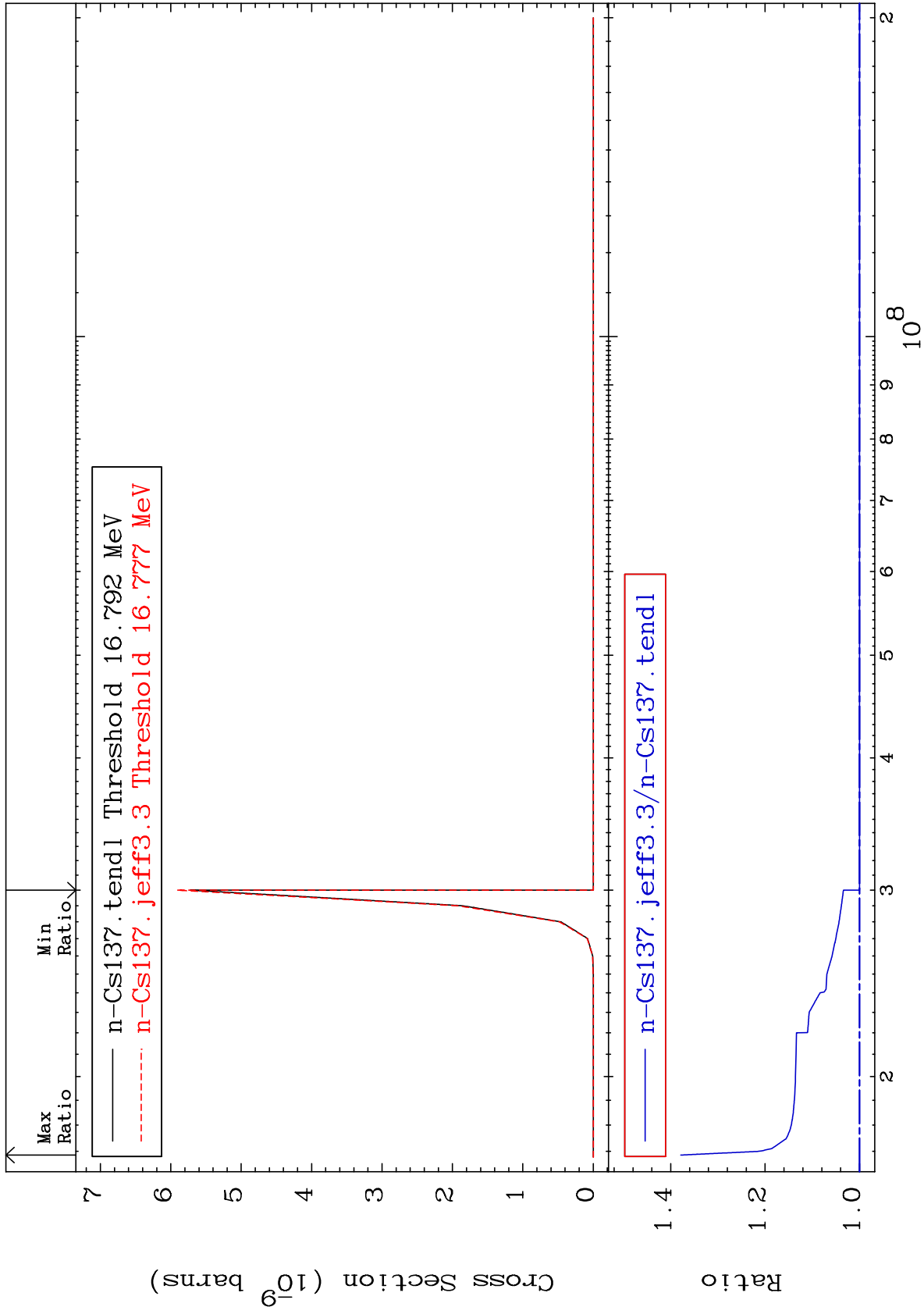
(n,p) t

55-Cs-137

Cross Section

0.000

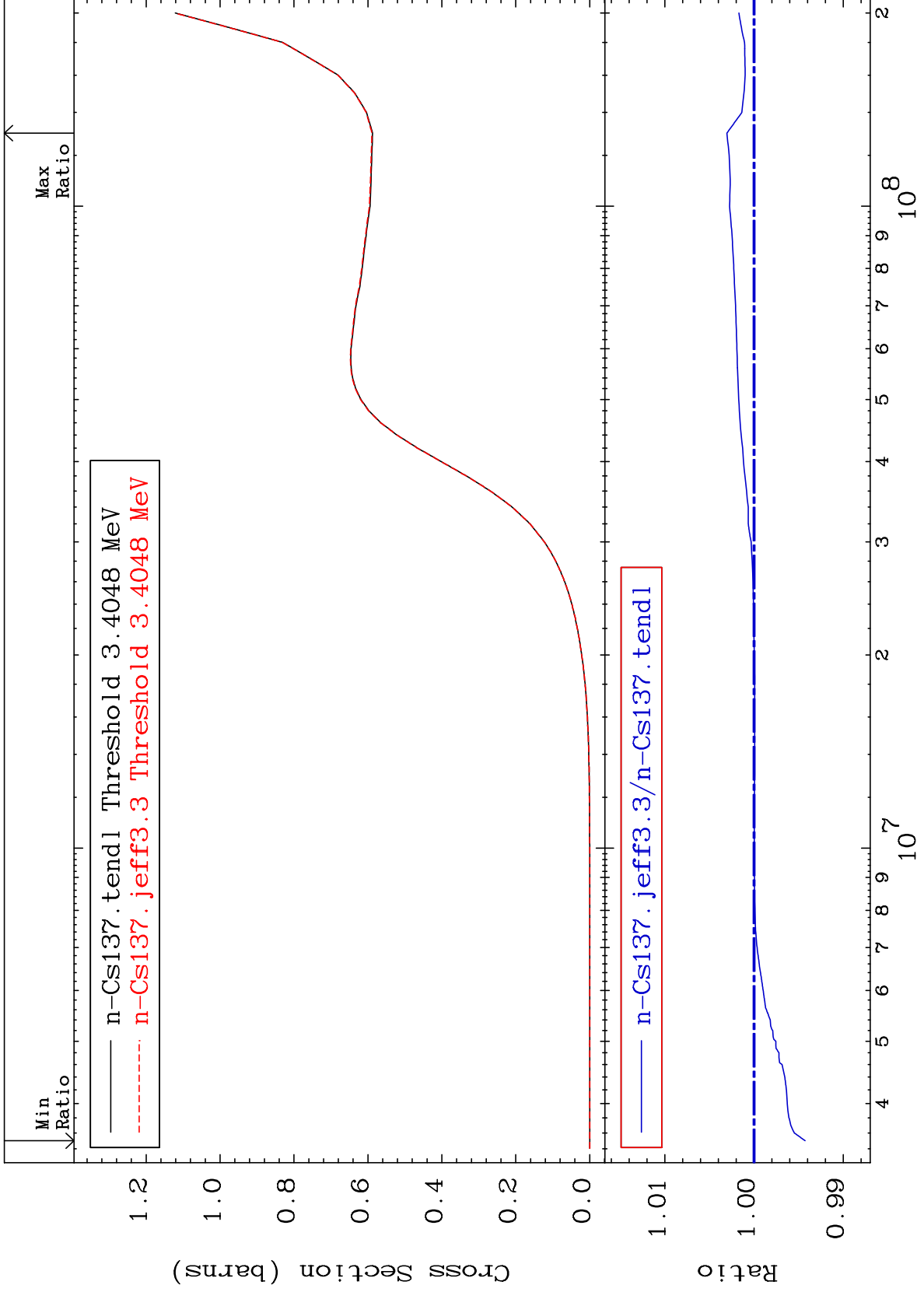
To 37.87 %



MAT 5537

Hydrogen Production  
Cross Section

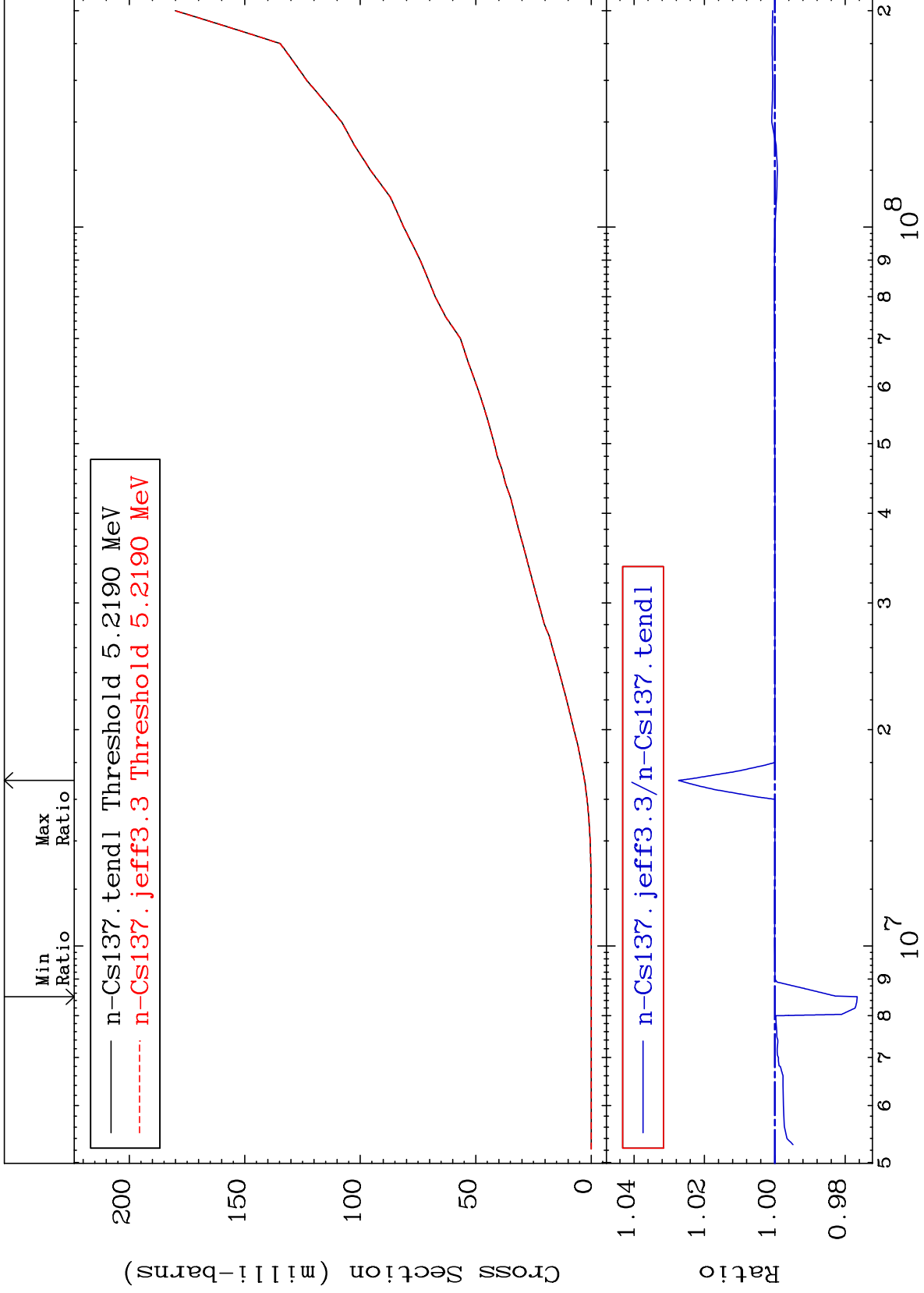
55-Cs-137  
-0.573 To 0.305 %



MAT 5537

Deuterium Production  
Cross Section

55-Cs-137  
-2.341 To 2.732 %



30

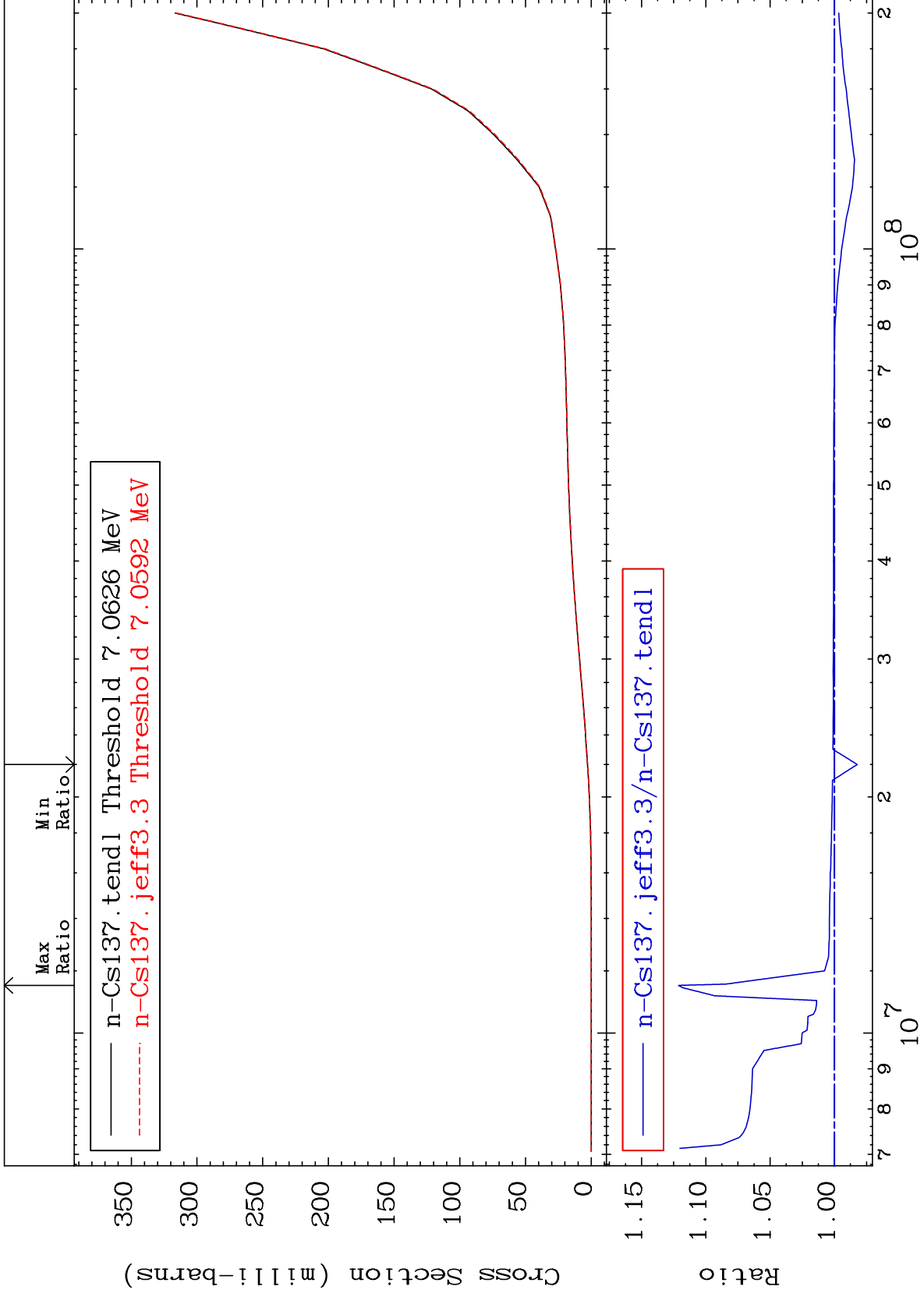
Incident Energy (eV)

55-Cs-137

MAT 5537

Tritium Production  
Cross Section

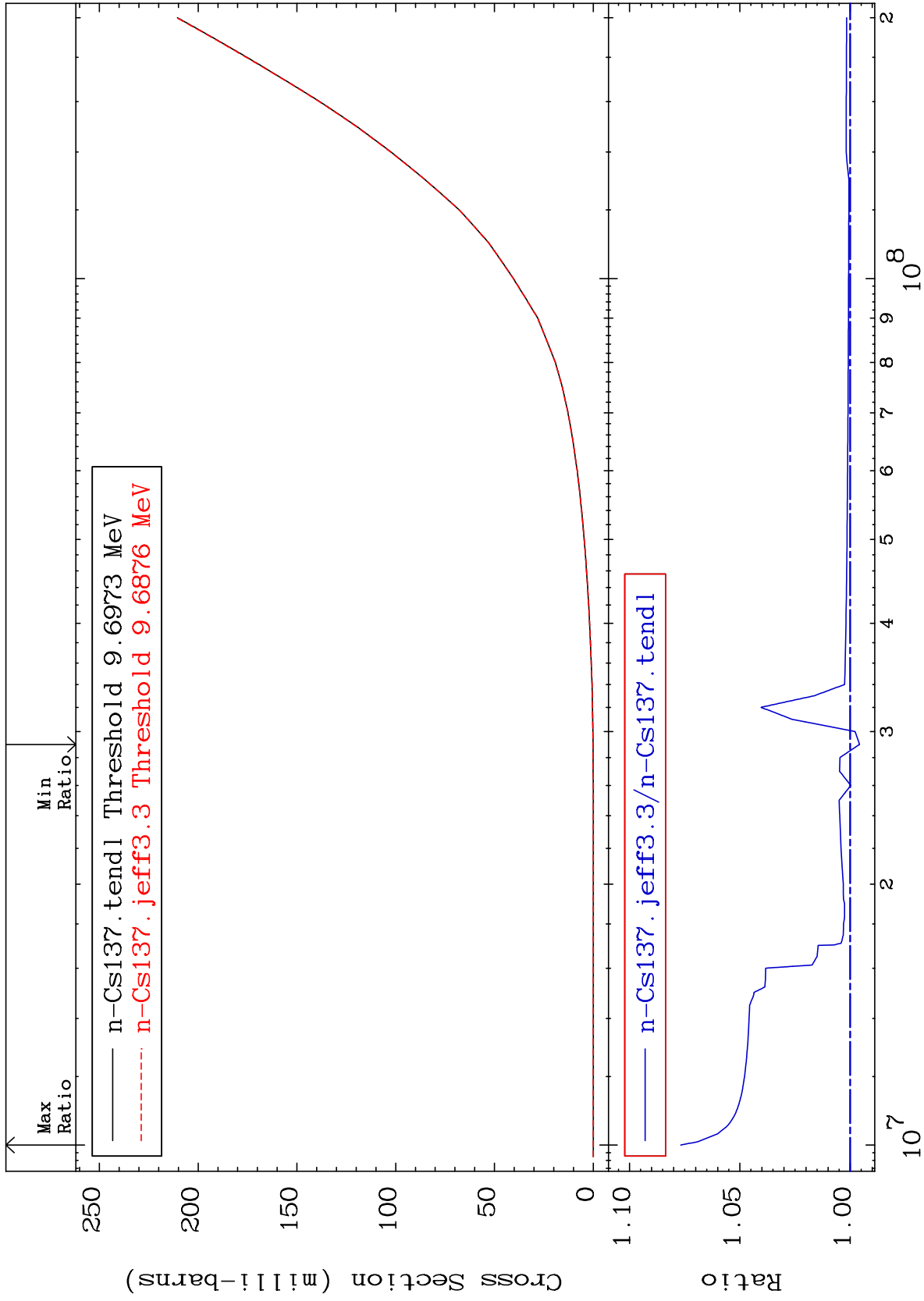
55-Cs-137  
-1.777 To 12.11 %



MAT 5537

He-3 Production  
Cross Section

55-Cs-137  
-0.424 To 7.677 %



32

Incident Energy (eV)

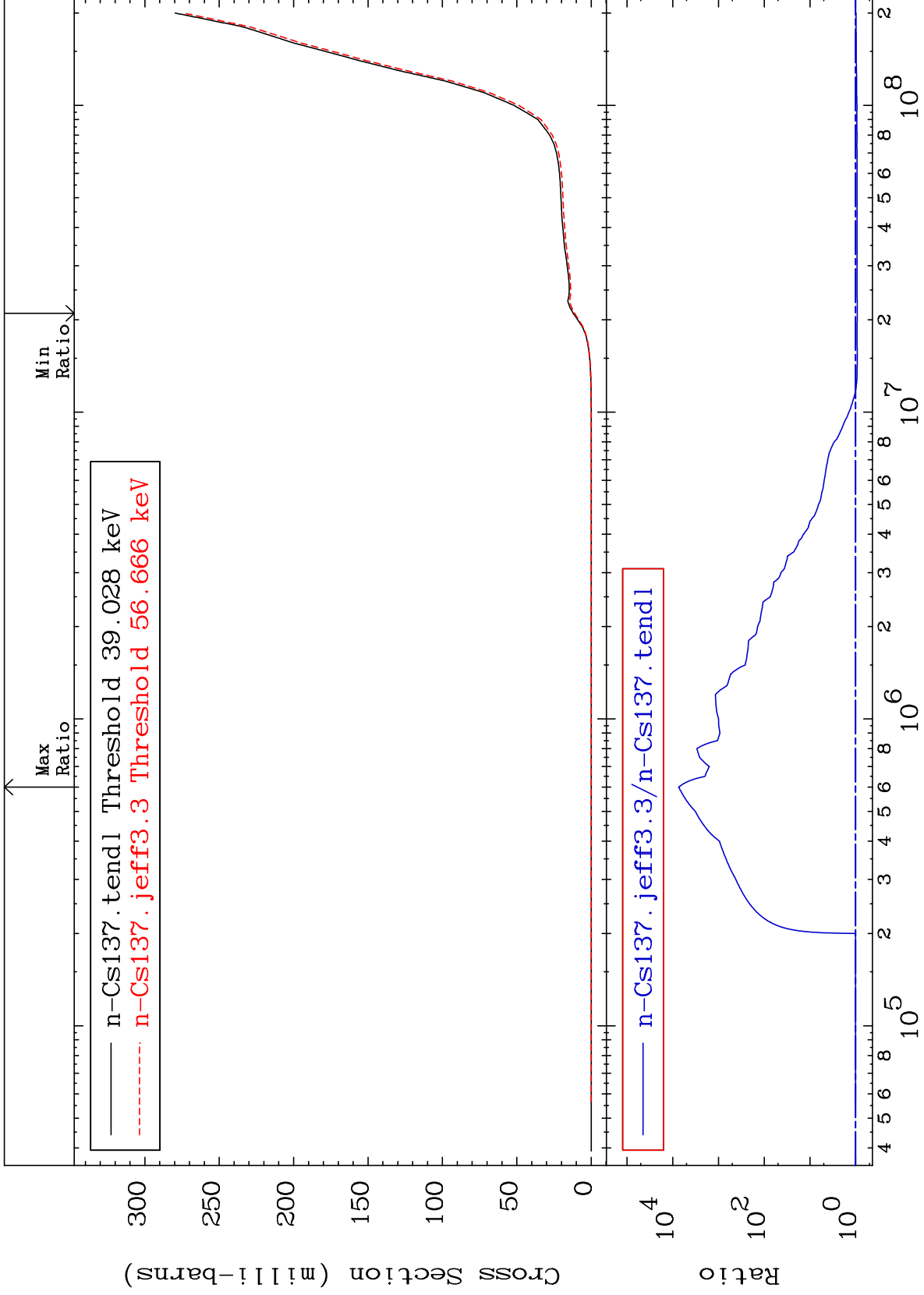
55-Cs-137

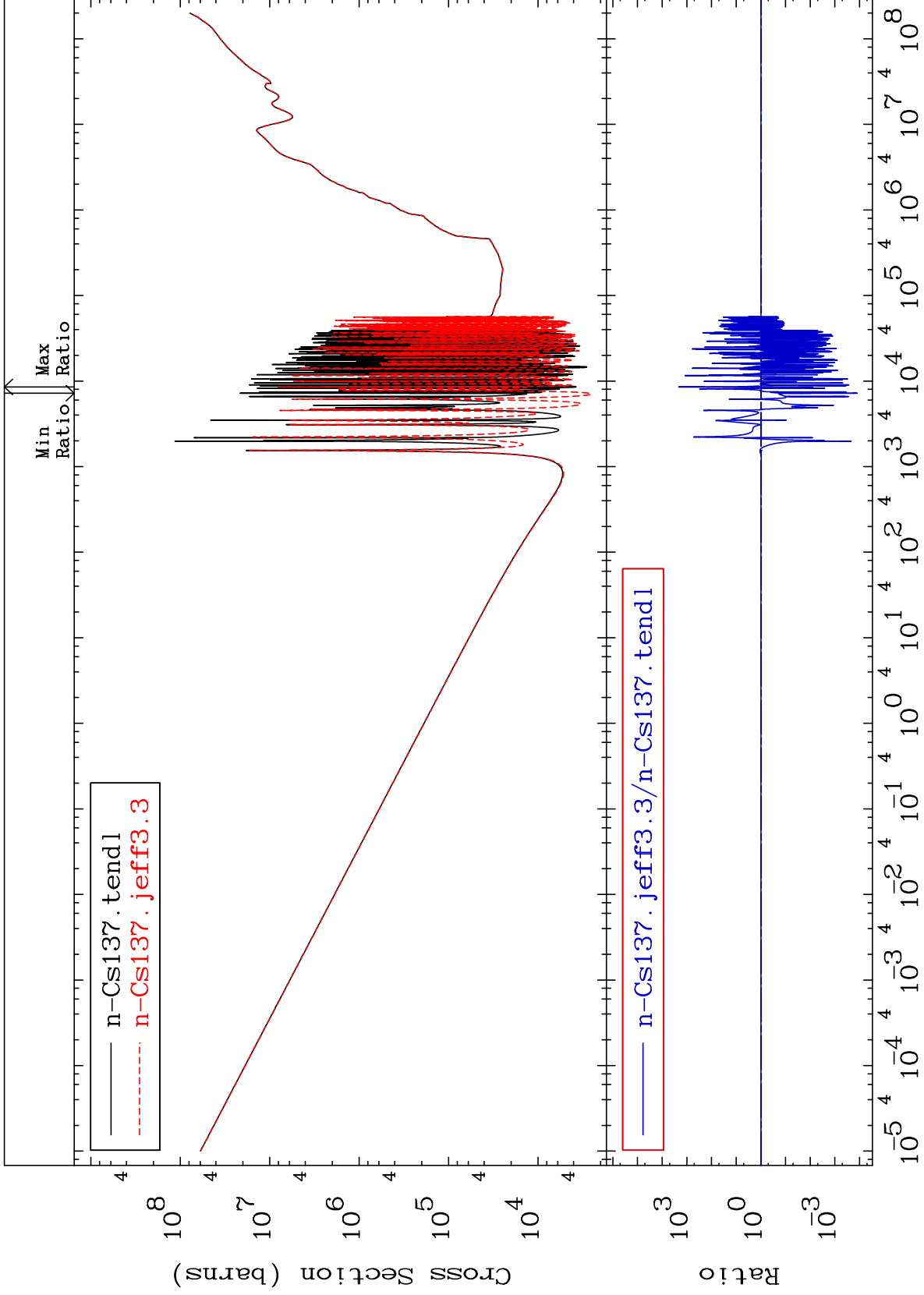


MAT 5537

He-4 Production  
Cross Section

55-Cs-137  
-7.595 To 9999. %

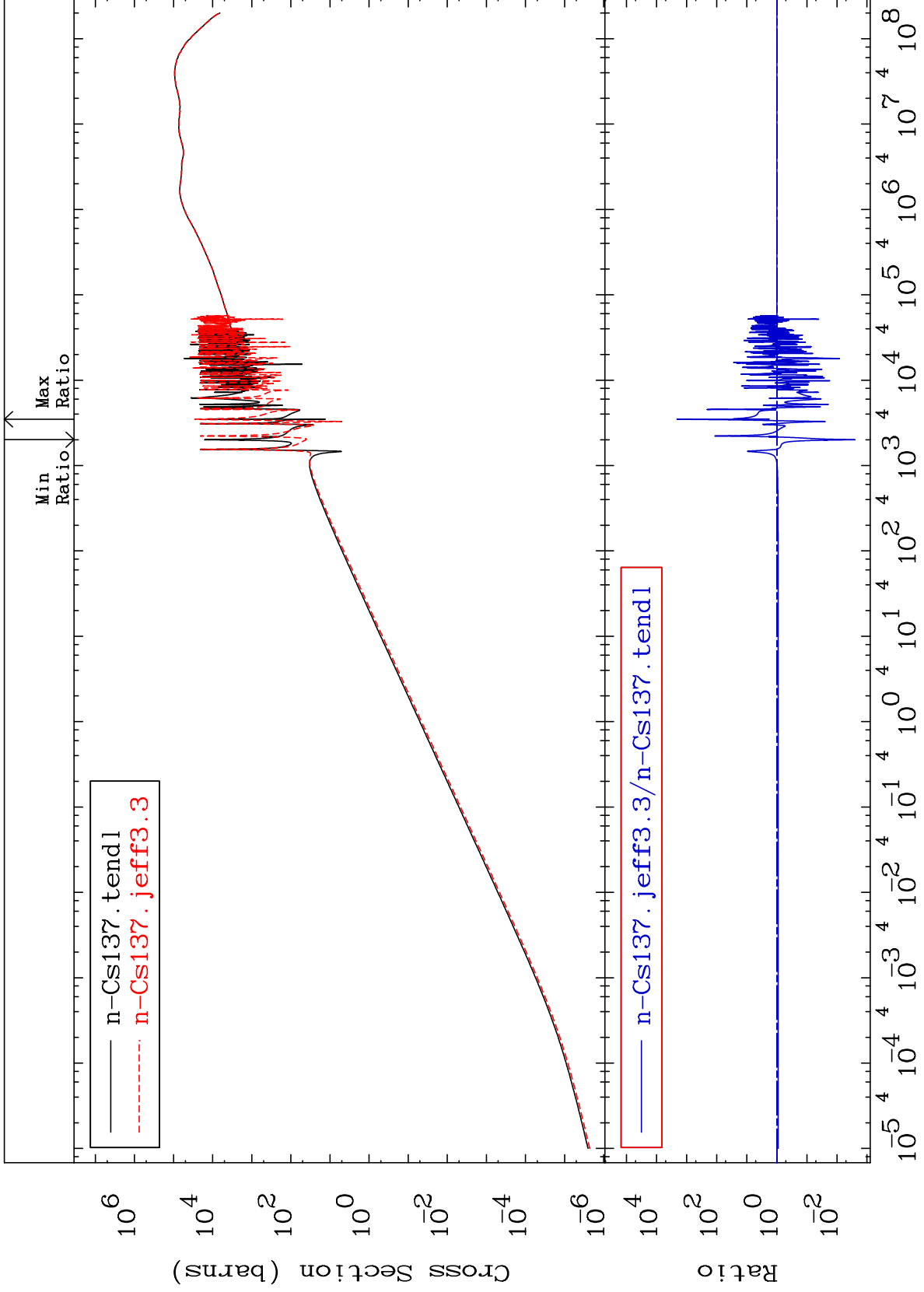


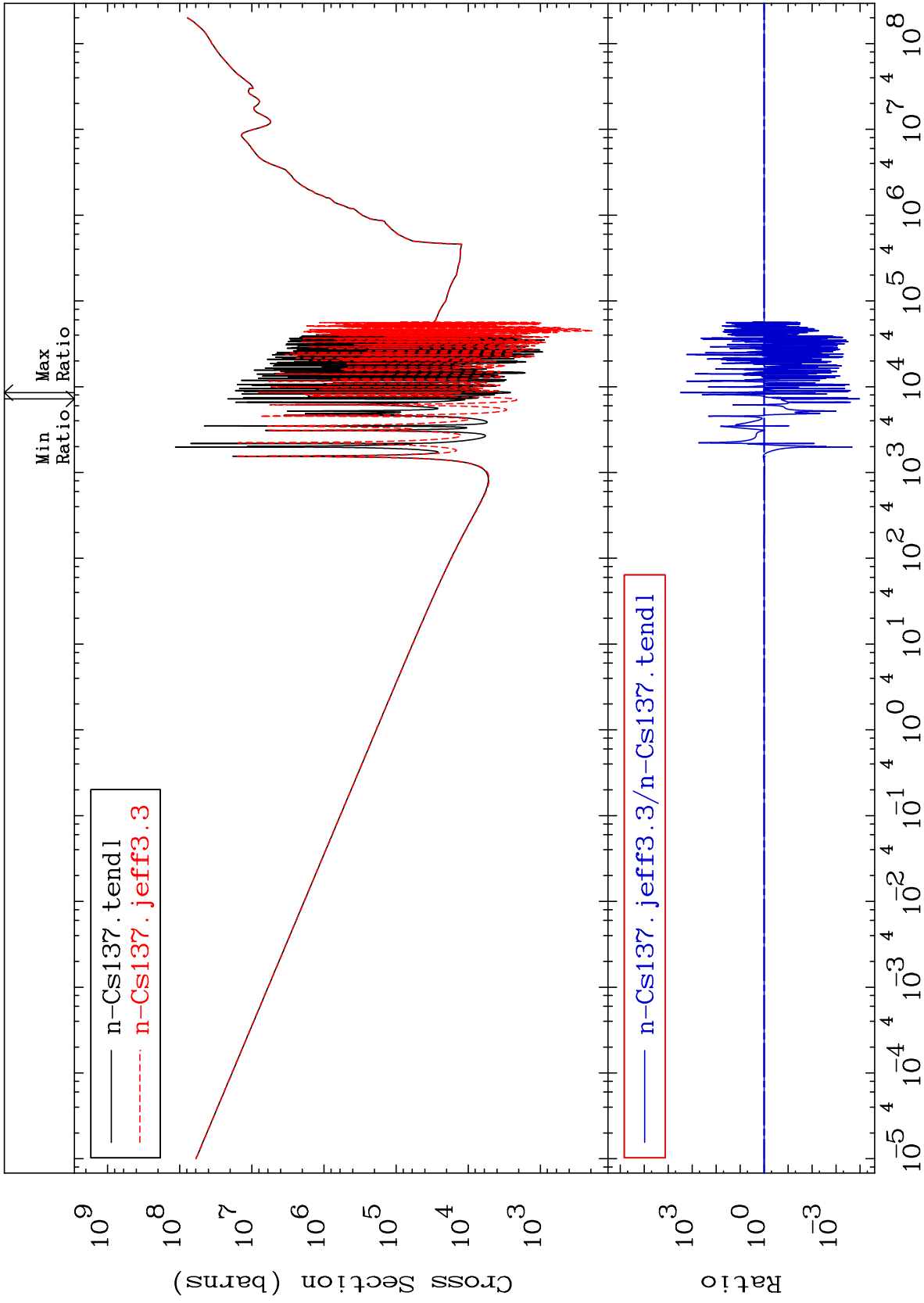


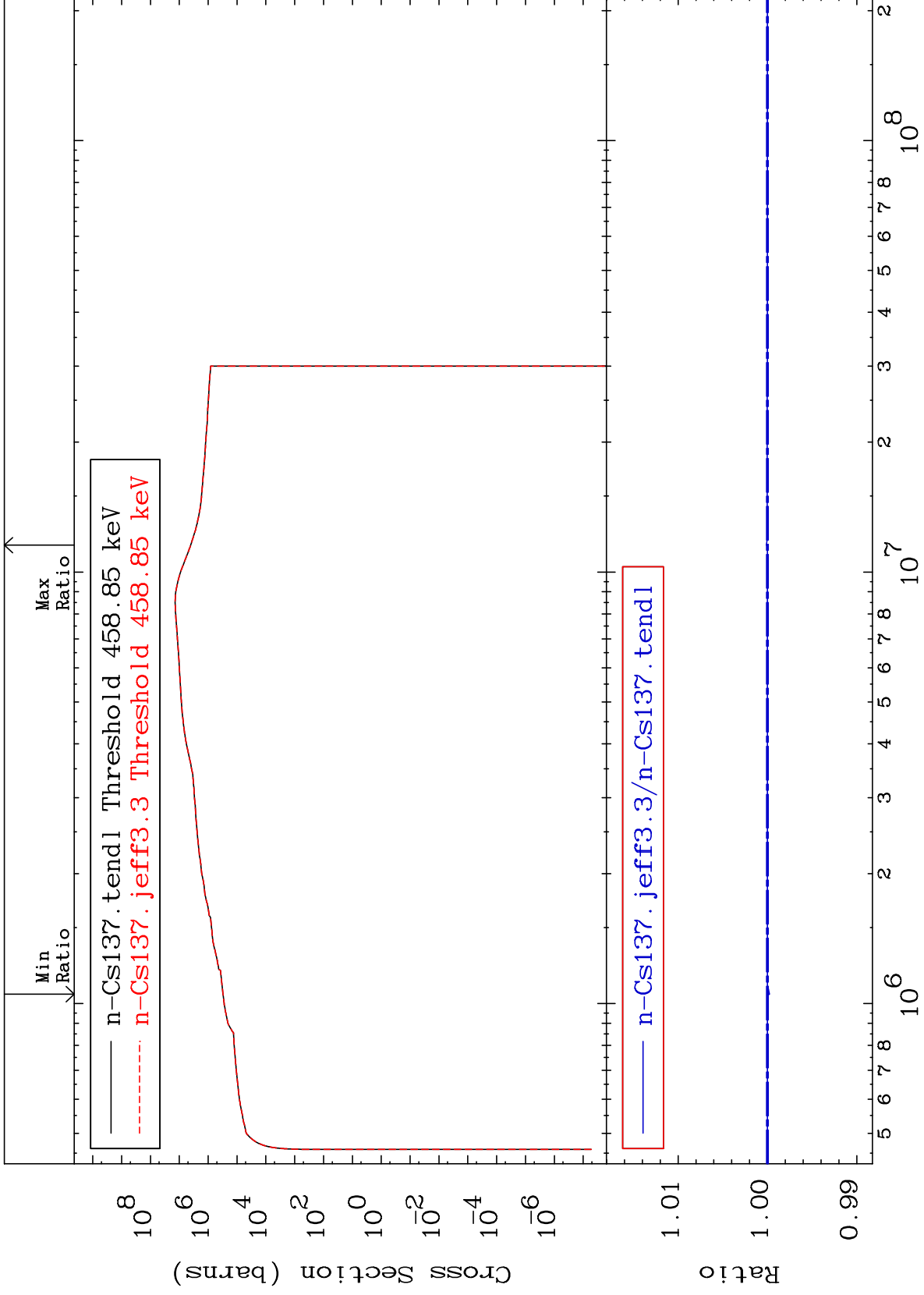
MAT 5537

Kerma elastic  
Cross Section

55-Cs-137  
-99.75 To 9999. %



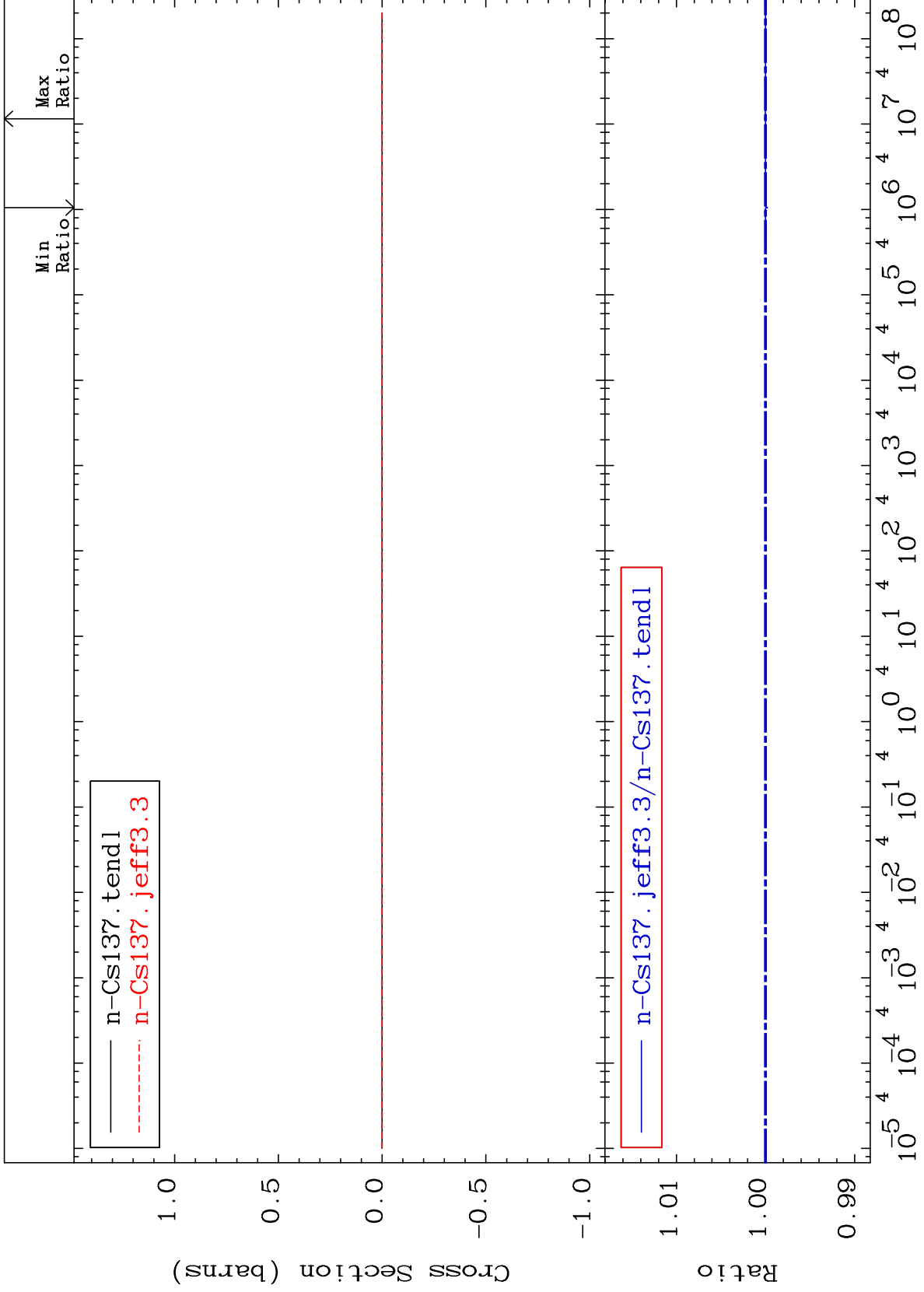




MAT 5537

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

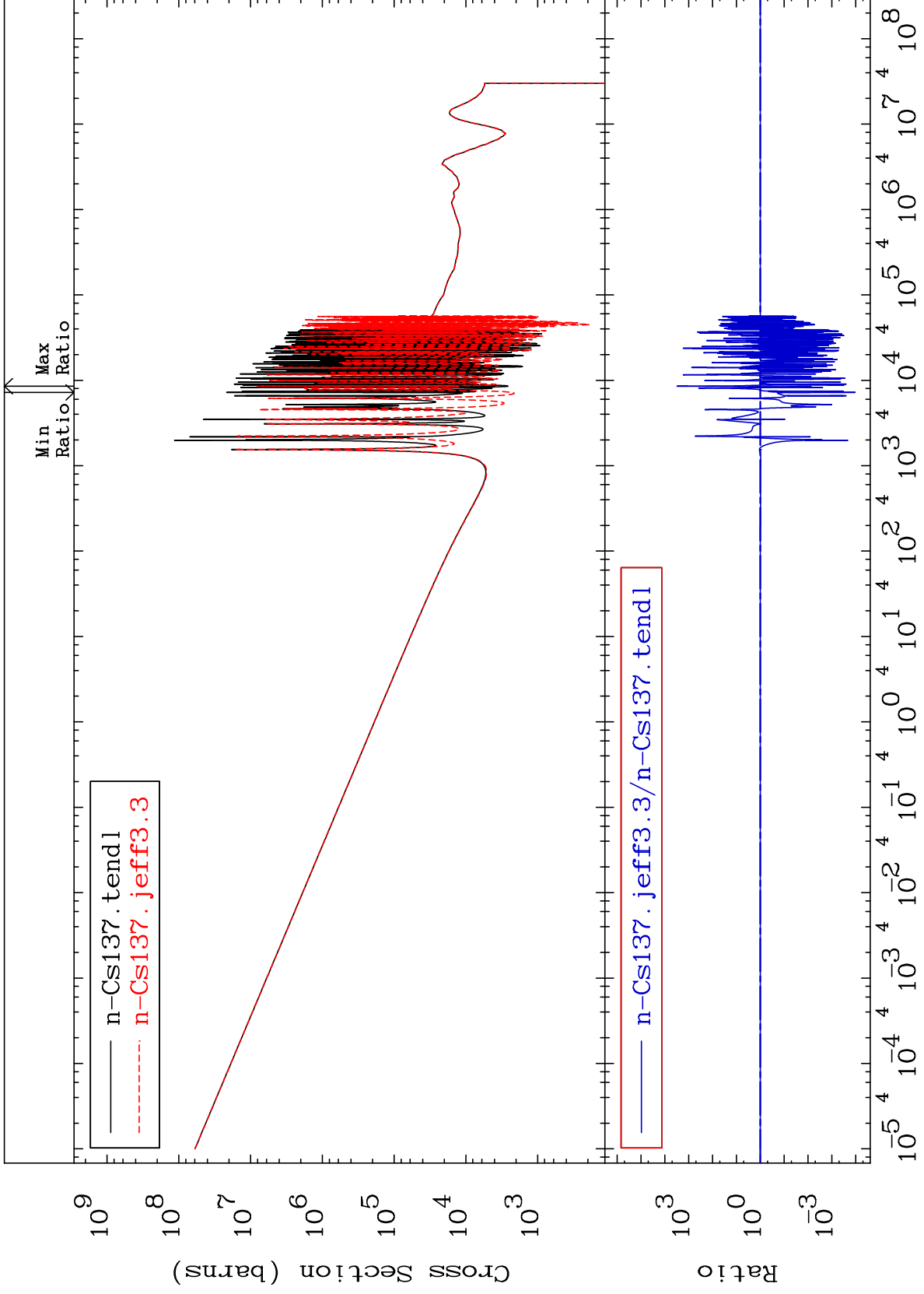
55-Cs-137  
-0.023 To 0.012 %



MAT 5537

Kerma capture (mt102)  
Cross Section

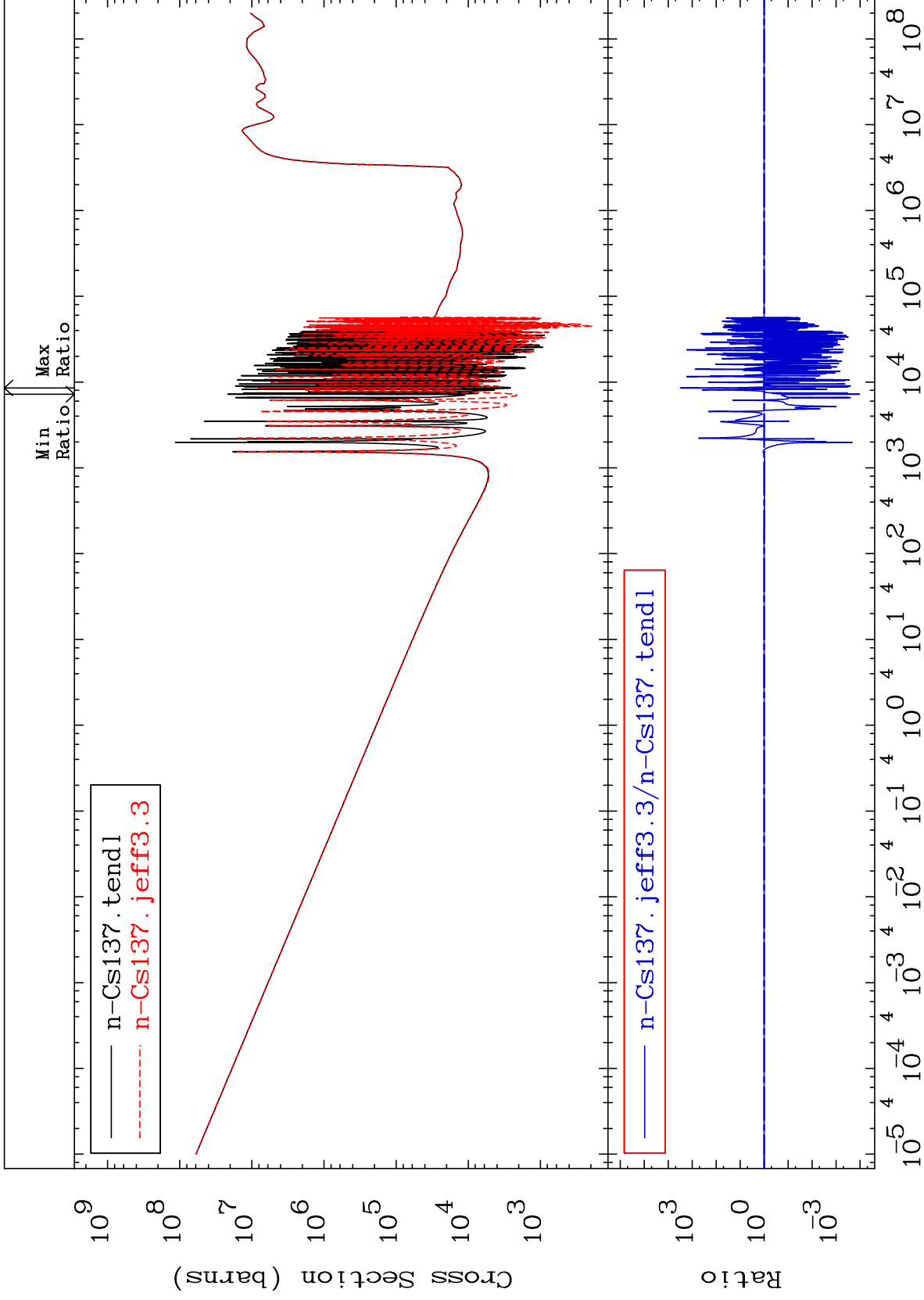
55-Cs-137  
-99.99 To 9999. %



MAT 5537

Total photon (eV-barns)  
Cross Section

55-Cs-137  
-99.99 To 9999. %

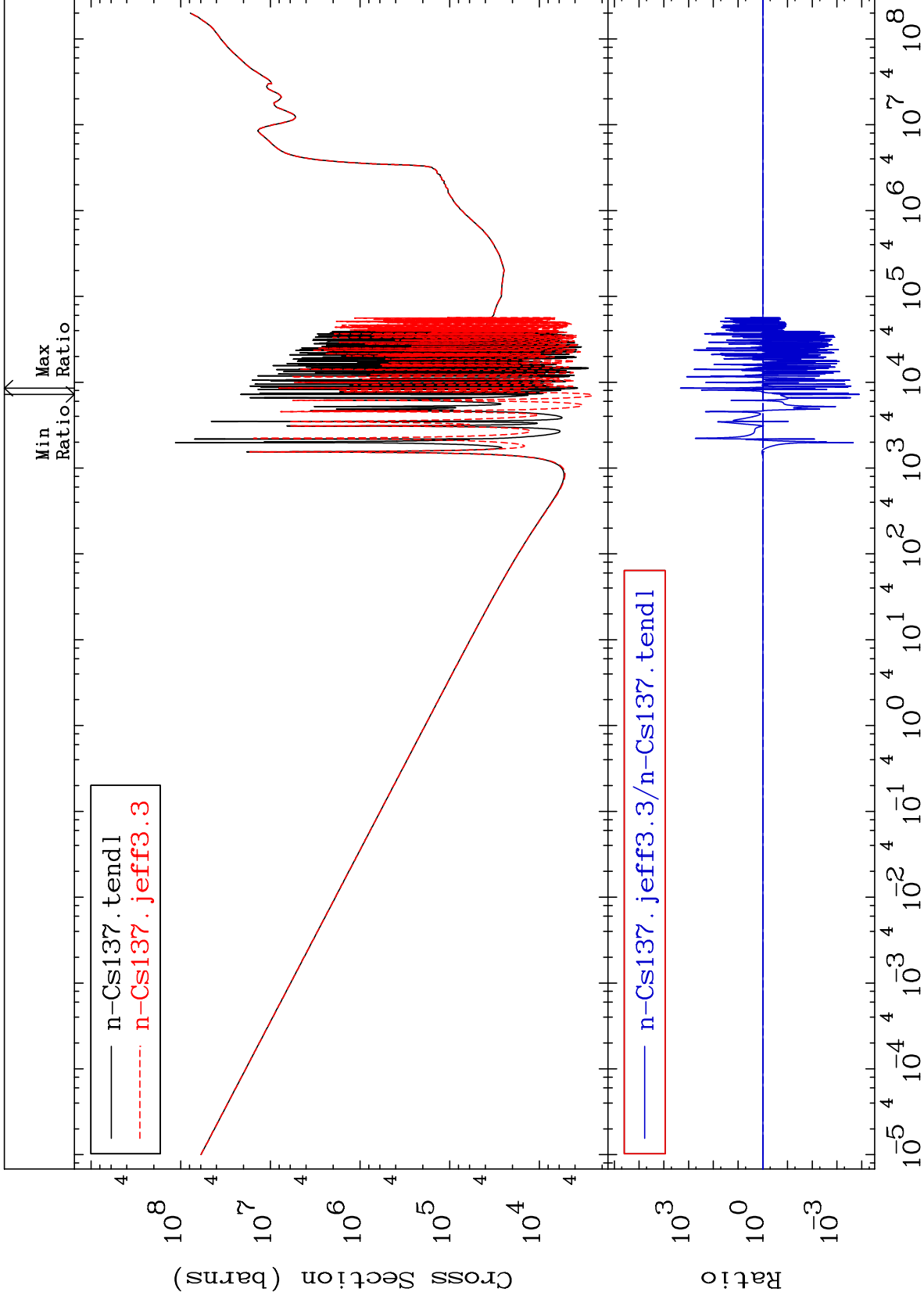


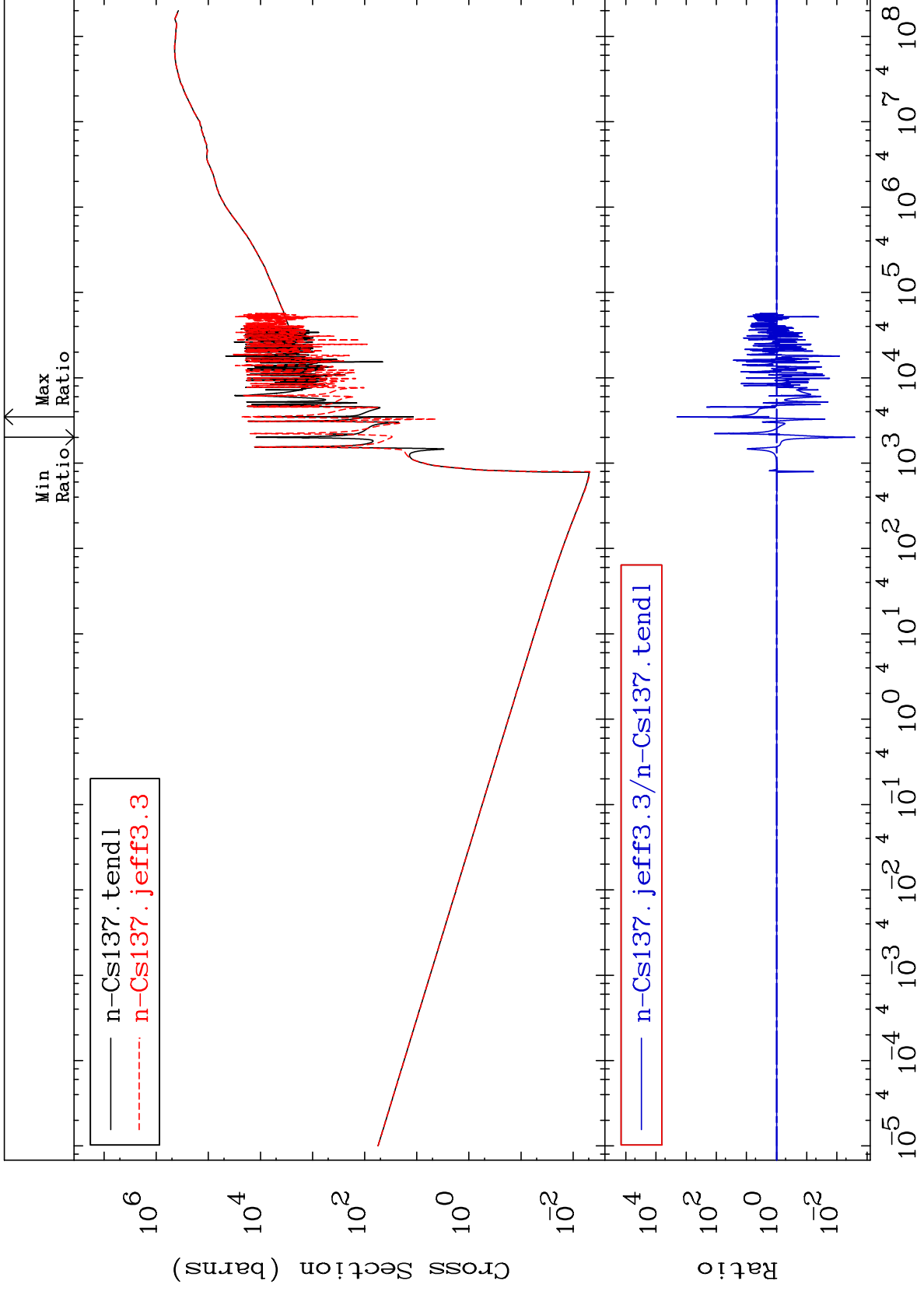
40

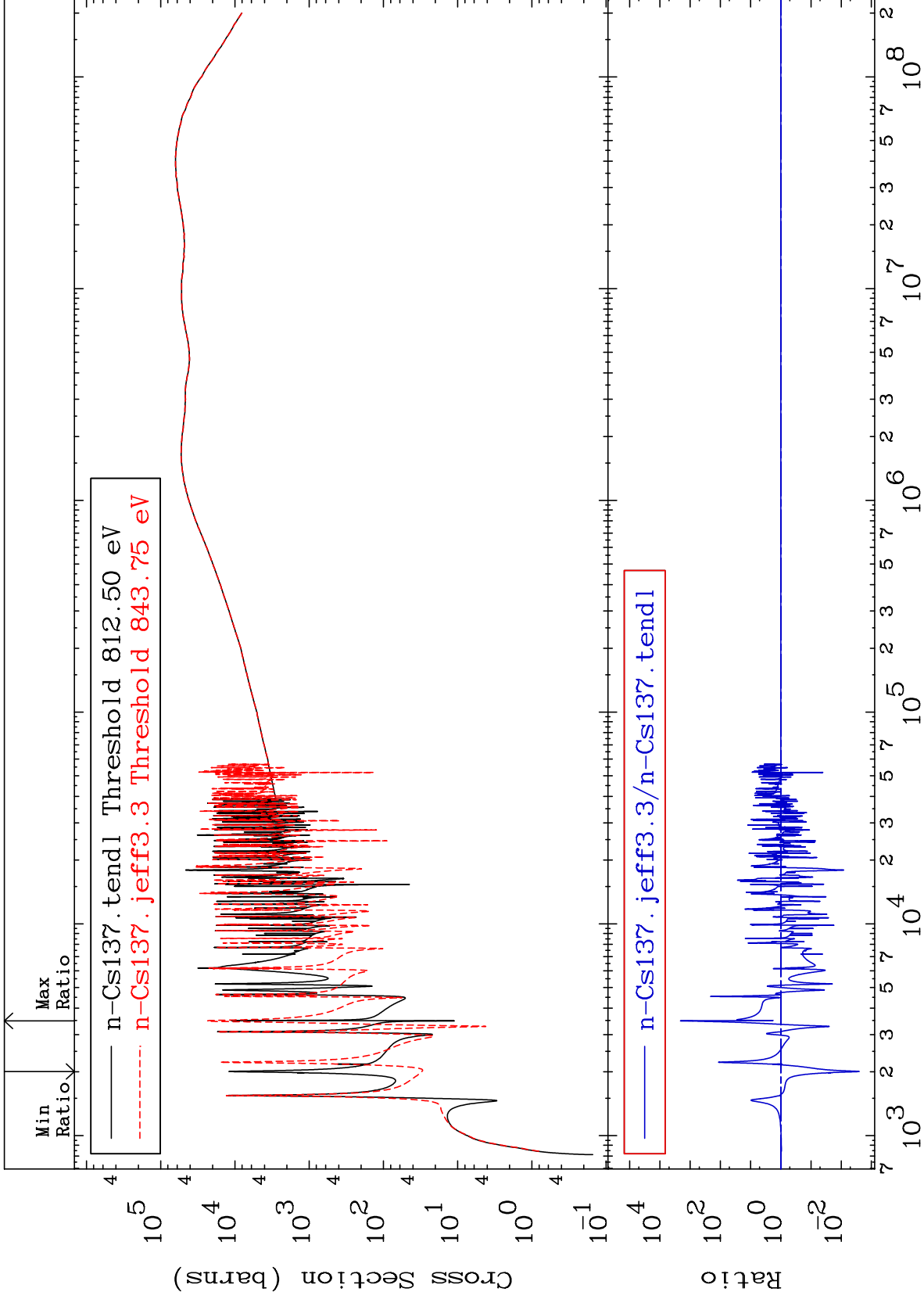
Incident Energy (eV)

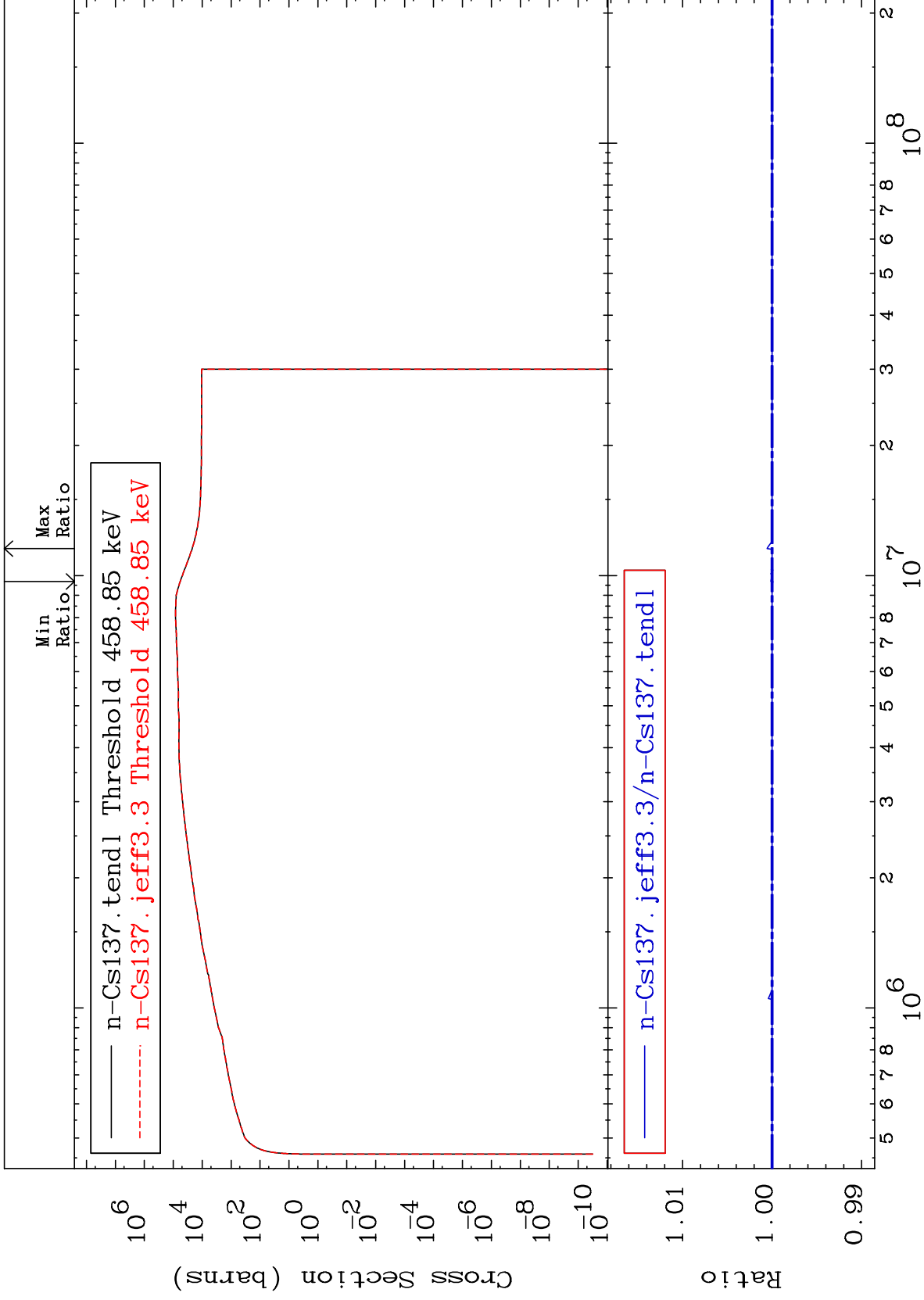
55-Cs-137

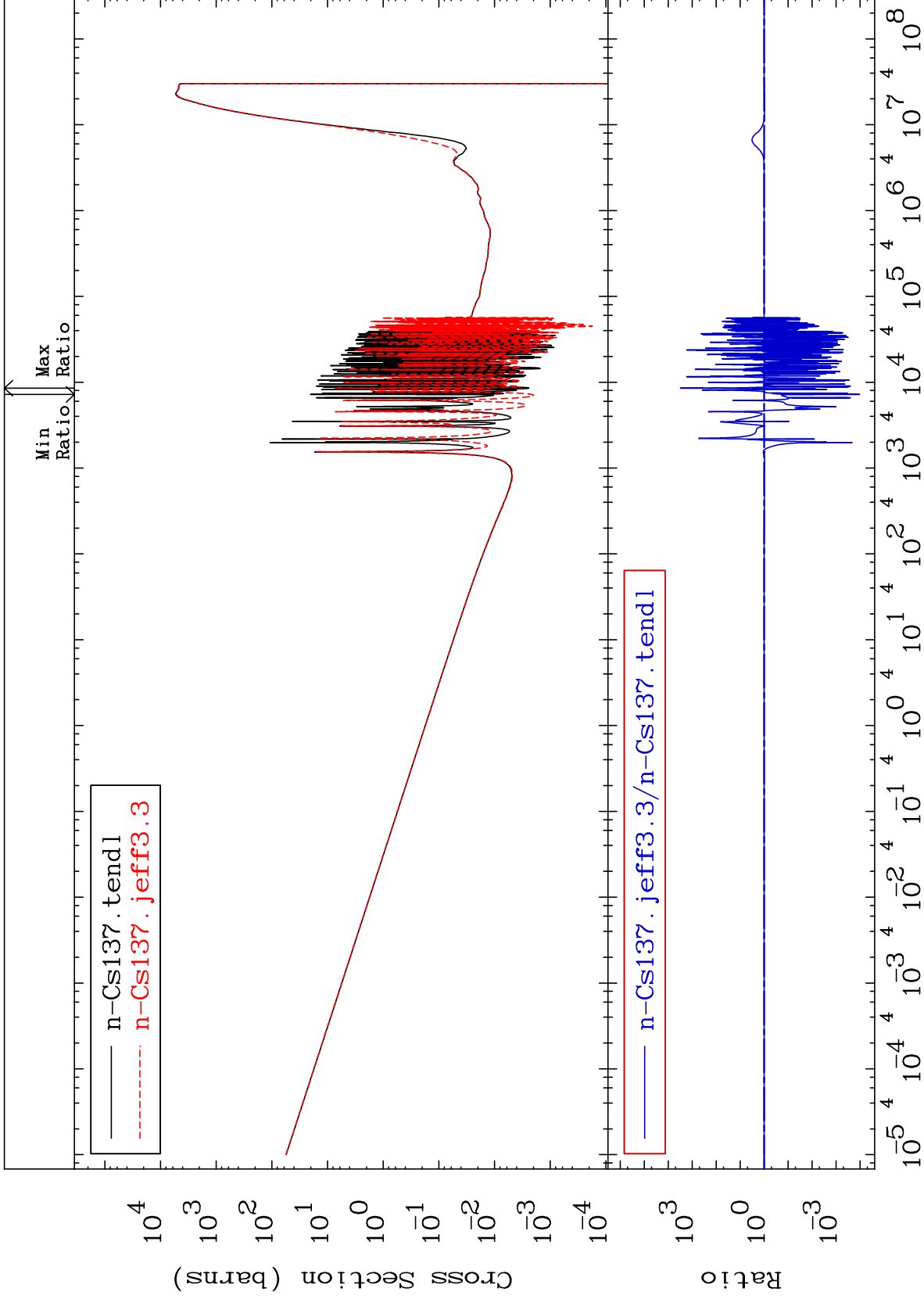


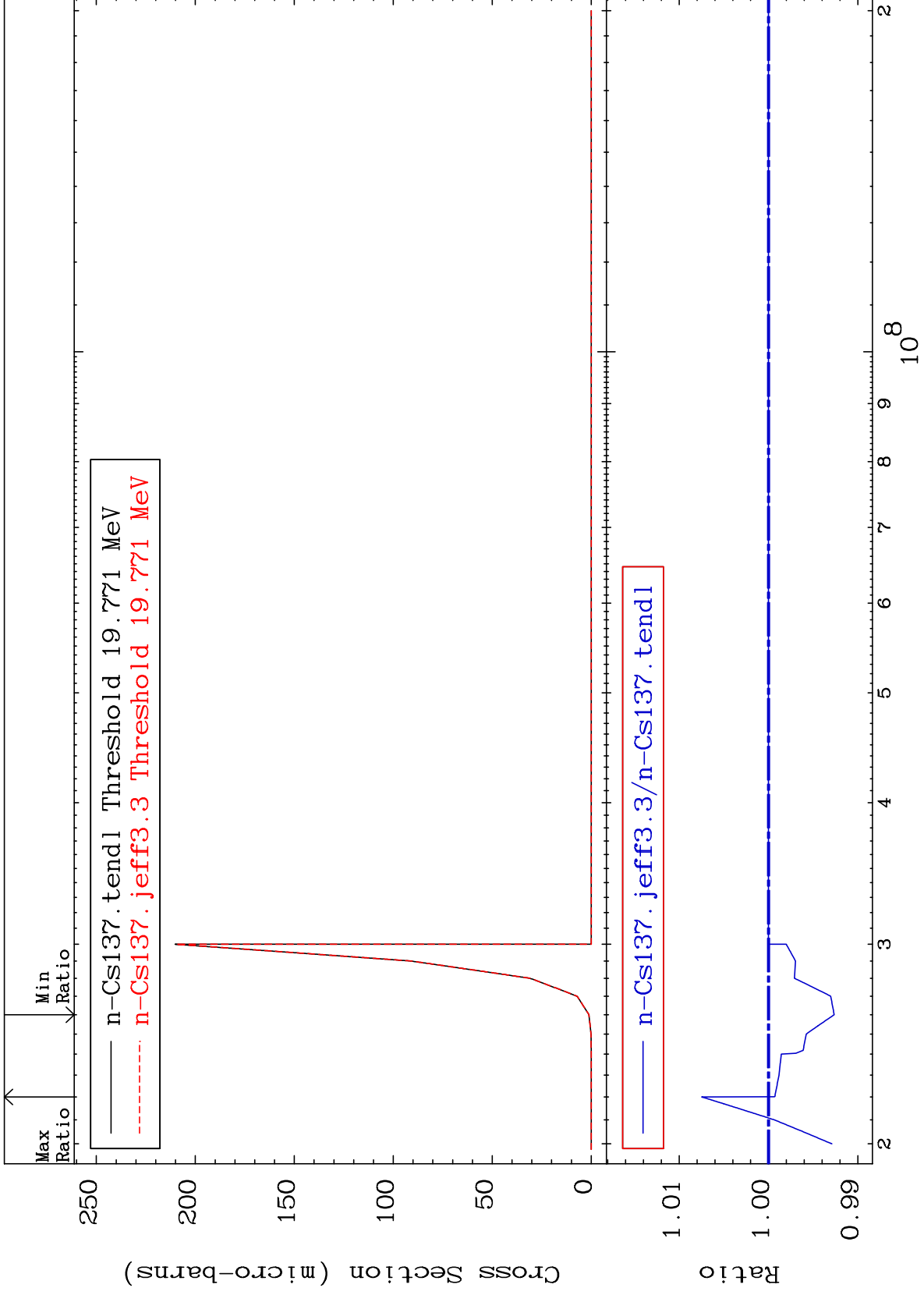










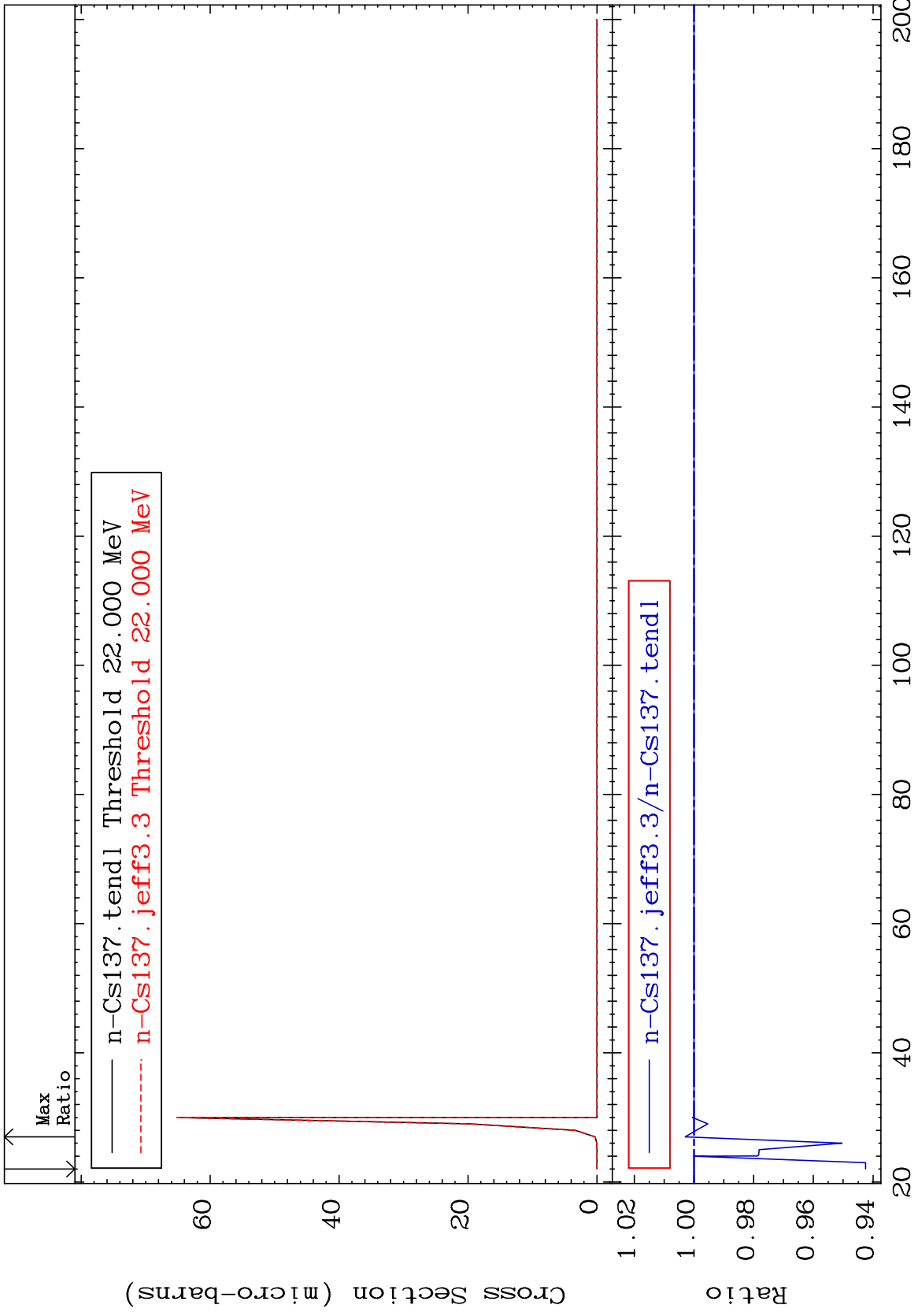


MAT 5537

(n,2n) d:54-Xe-134m7

55-Cs-137

Radionuclide Production Cross Section -5.750 To 0.294 %

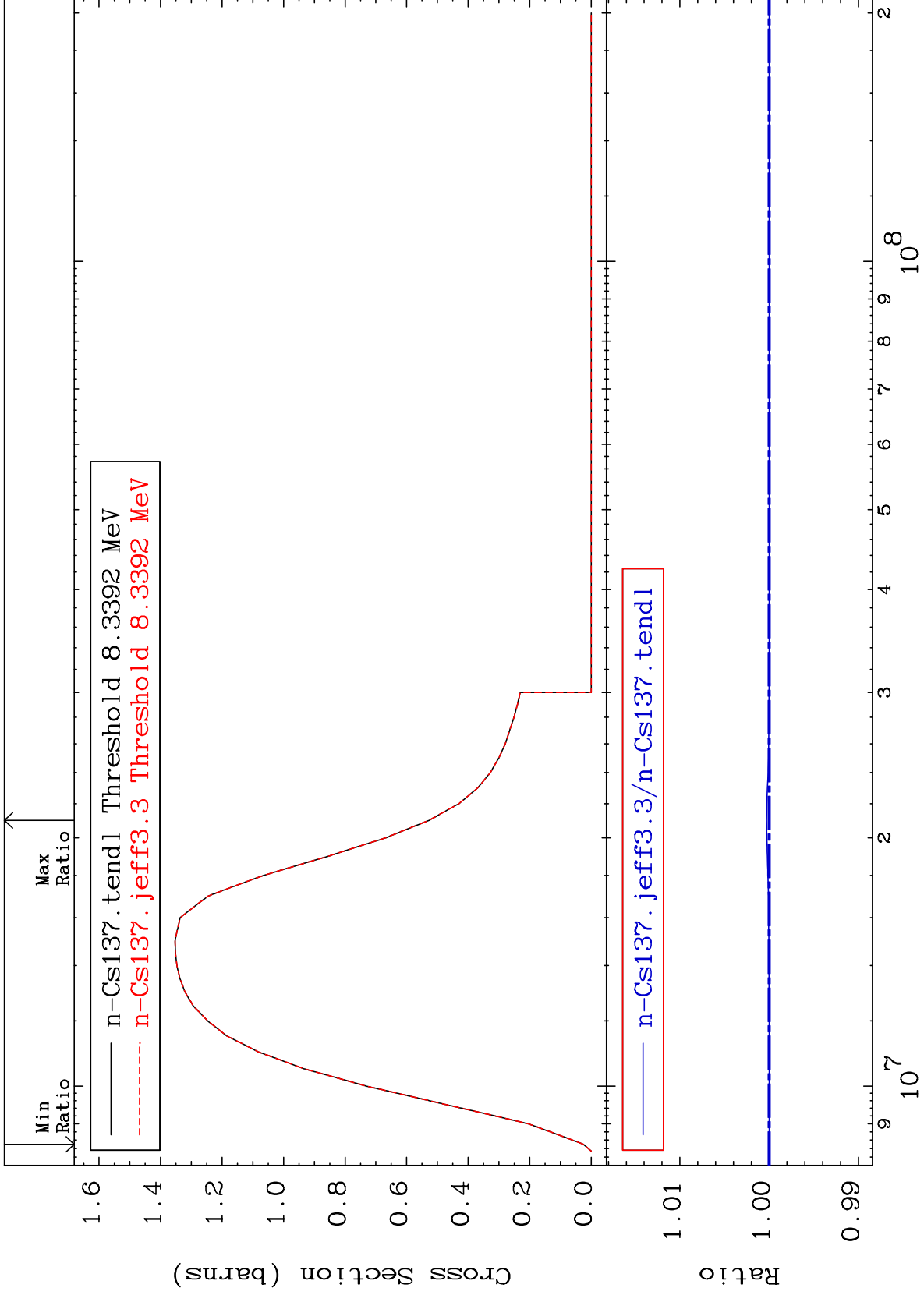


MAT 5537

(n,2n):55-Cs-136g

55-Cs-137

Radionuclide Production Cross Section -0.003 To 0.030 %



48

Incident Energy (eV)

55-Cs-137

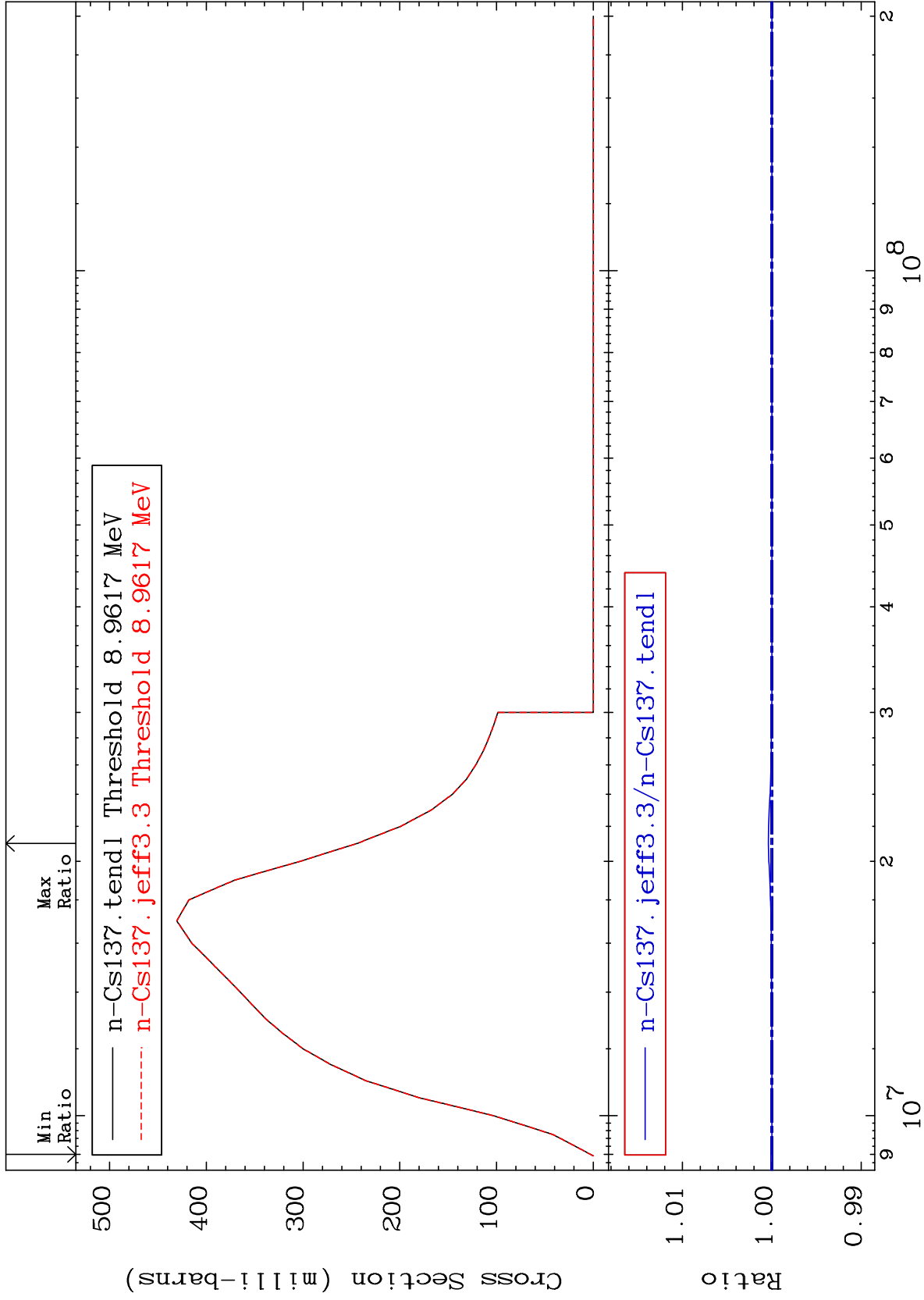


MAT 5537

(n,2n):55-Cs-136m1

55-Cs-137

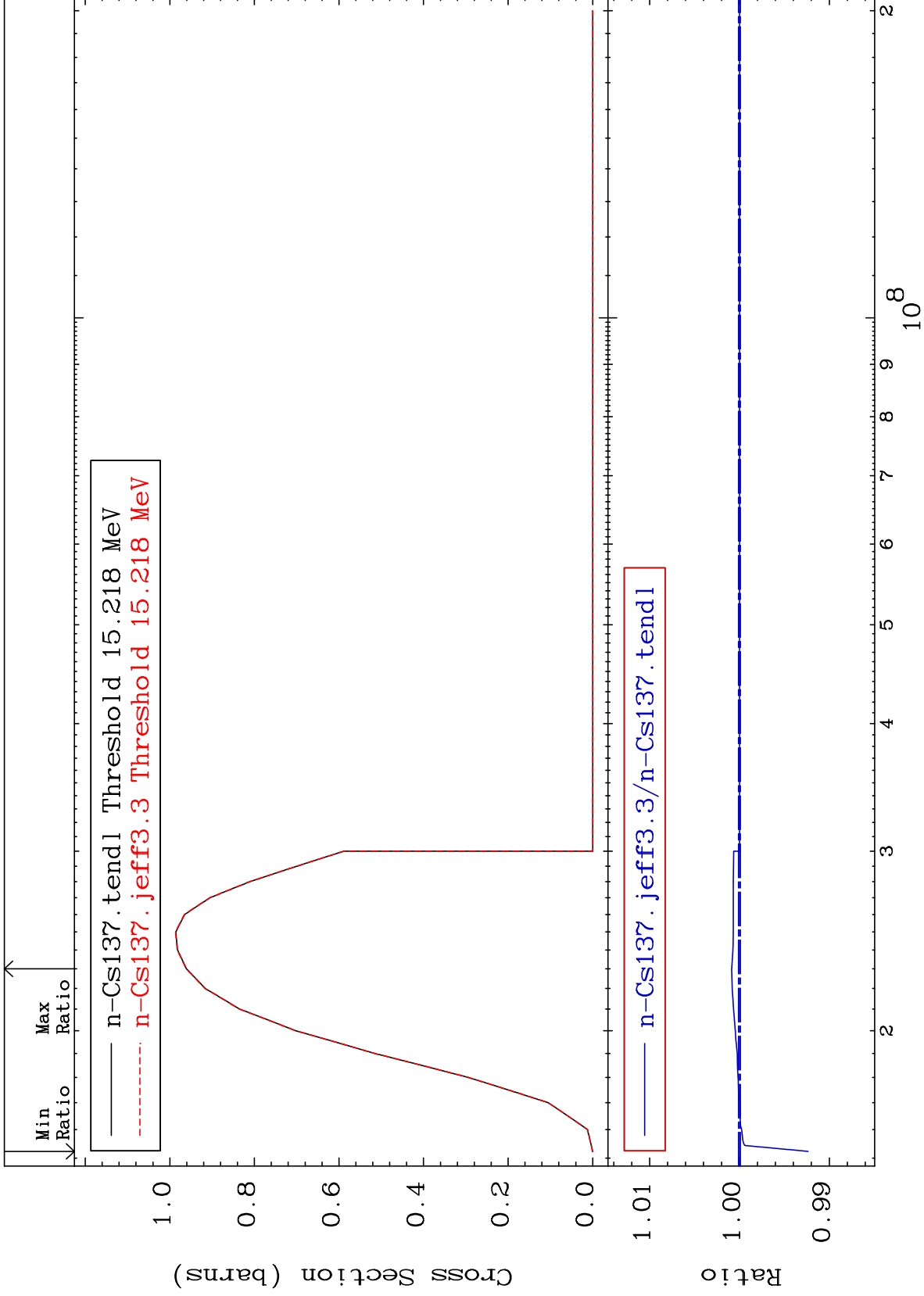
Radionuclide Production Cross Section -0.002 To 0.039 %



49

Incident Energy (eV)

55-Cs-137

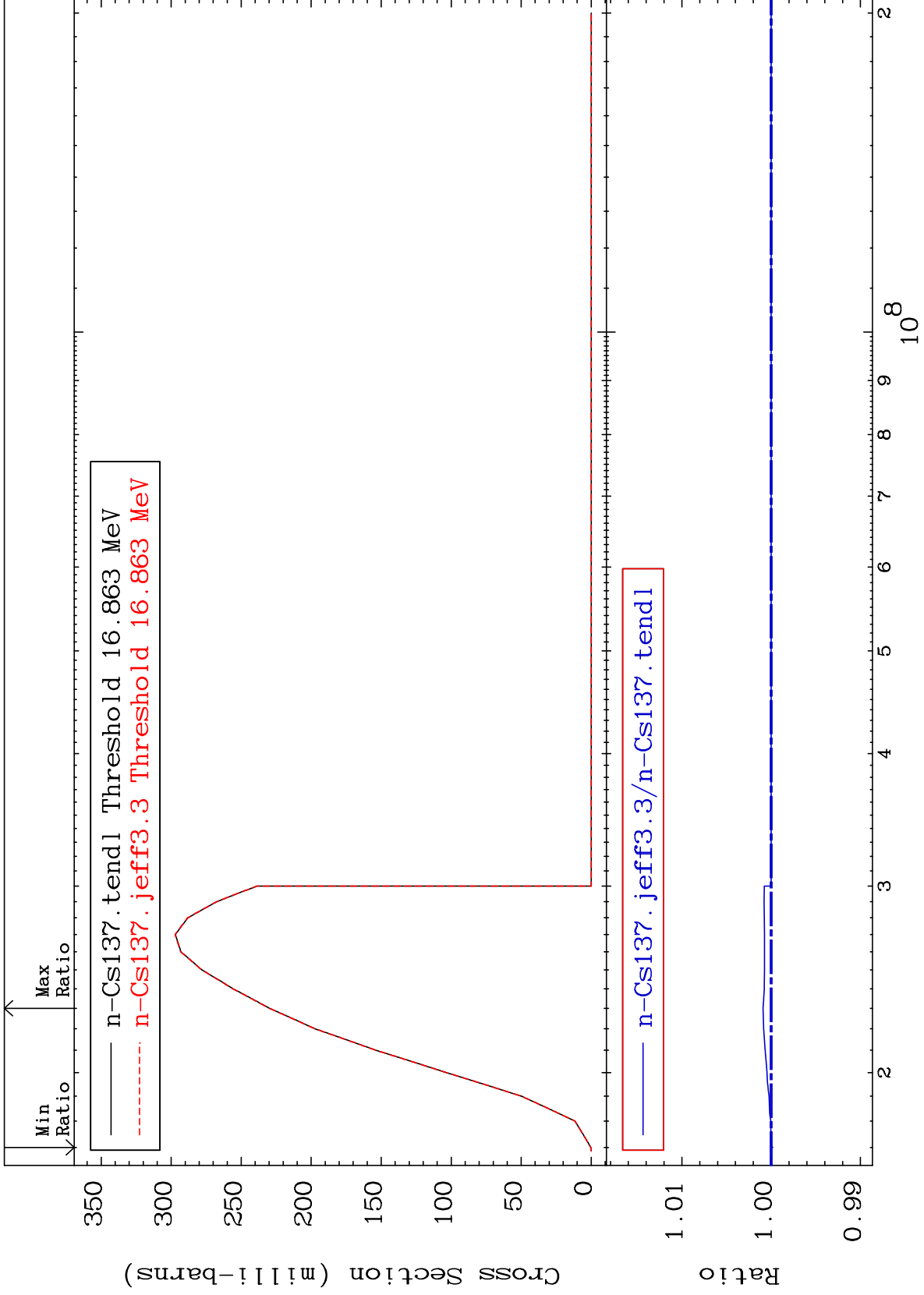


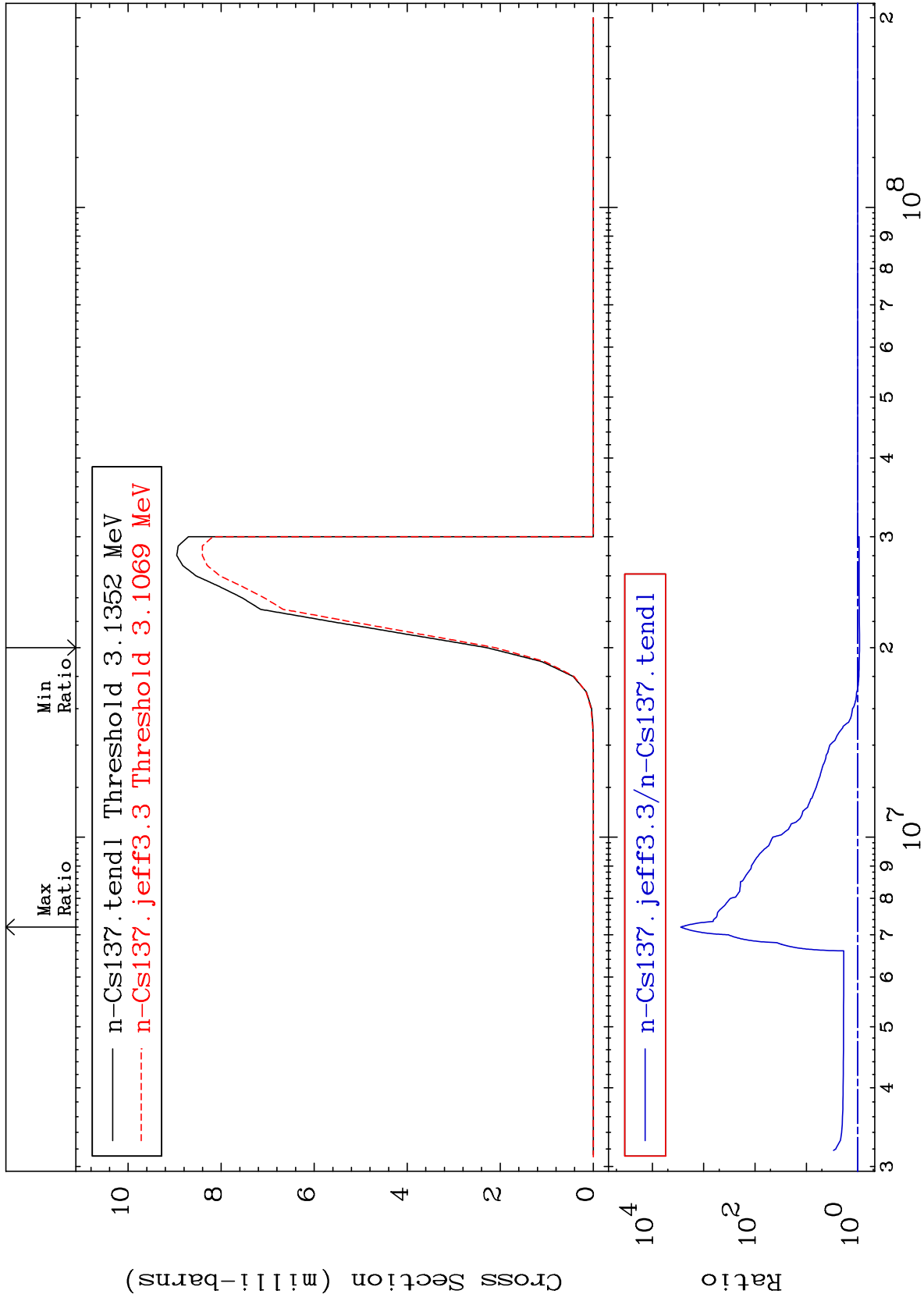
MAT 5537

(n,3n):55-Cs-135m10

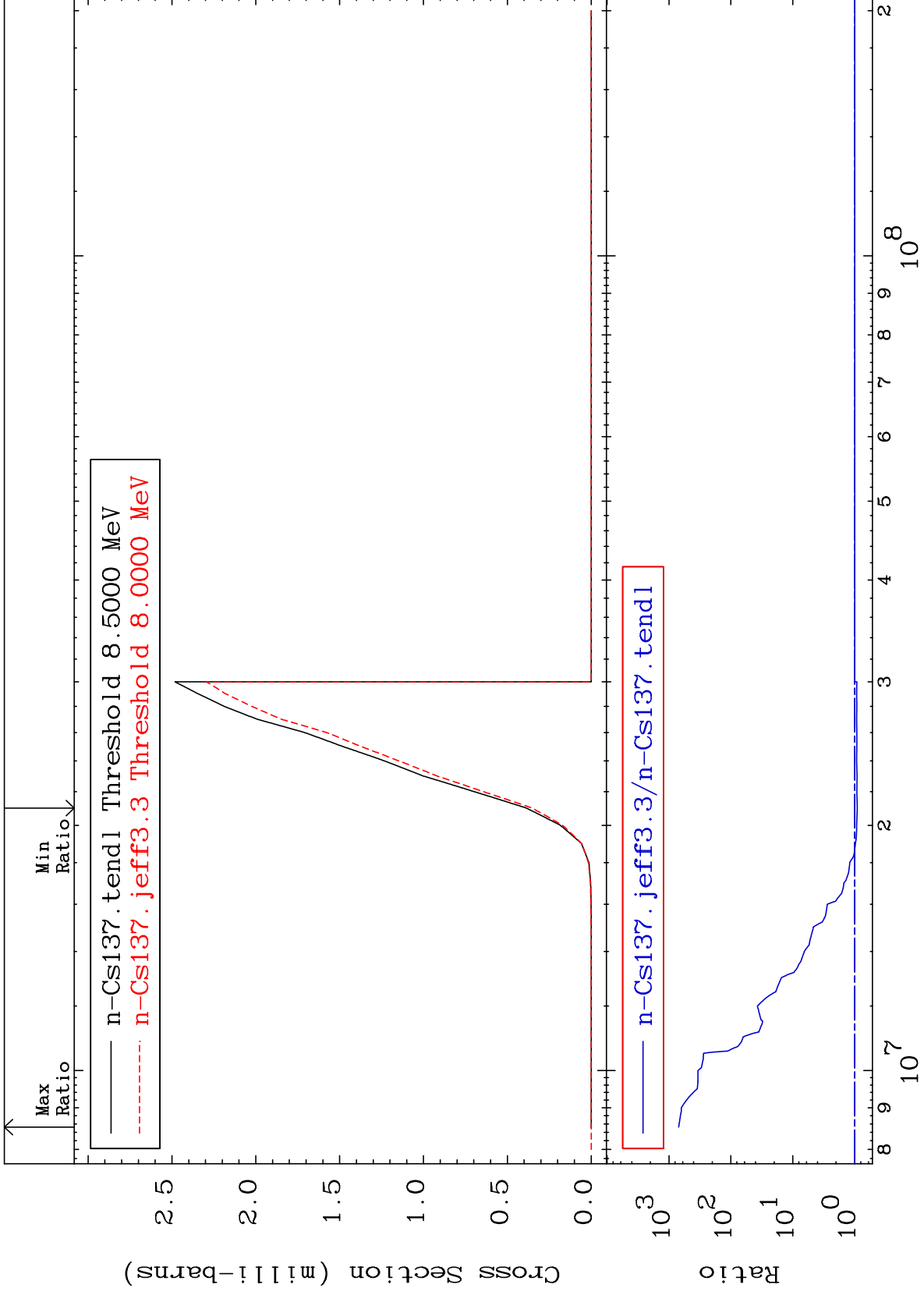
55-Cs-137

Radionuclide Production Cross Section -0.018 To 0.091 %

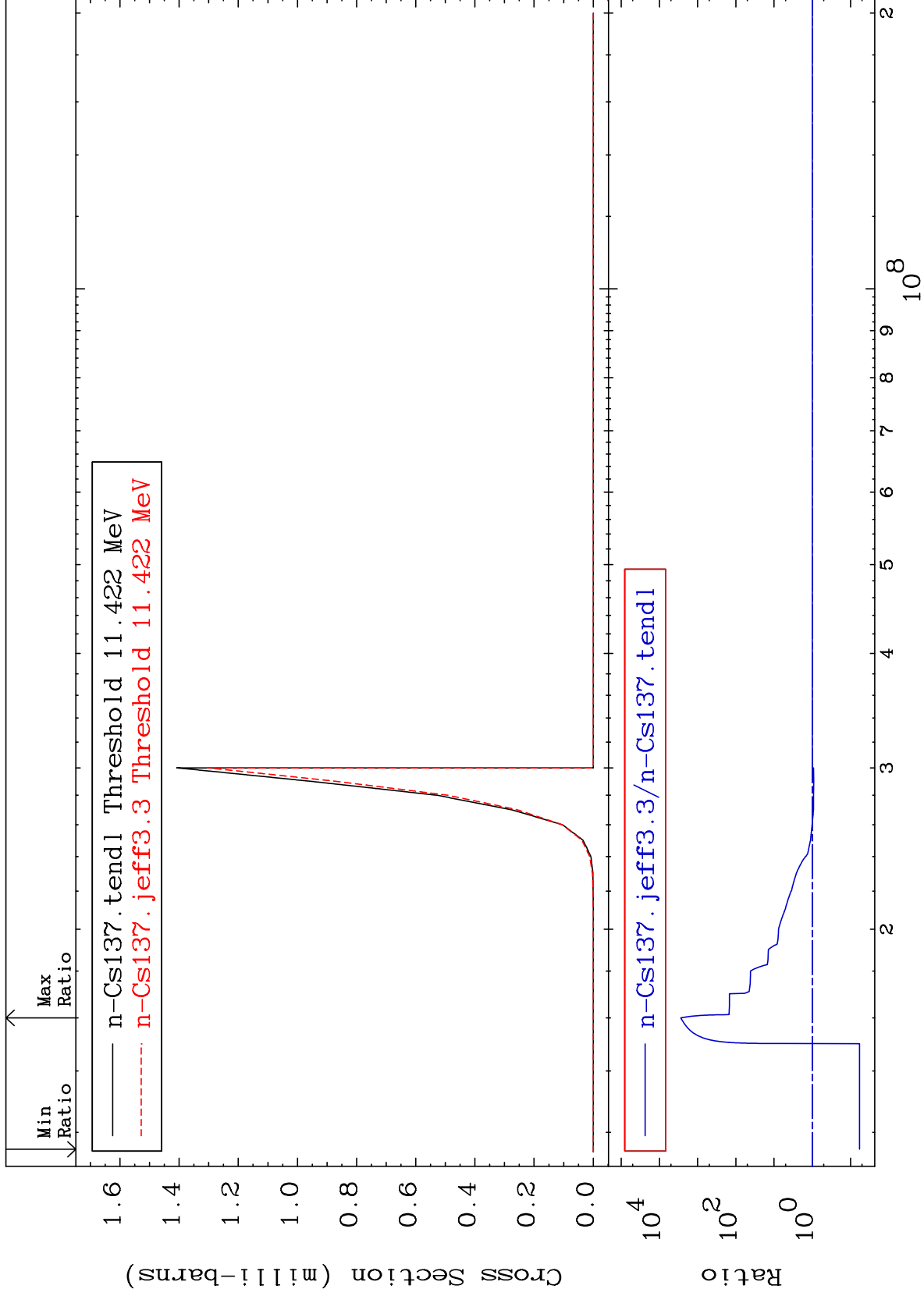




Radionuclide Production Cross Section -9.043 To 9999. %



Radionuclide Production Cross Section -94.20 To 9999. %

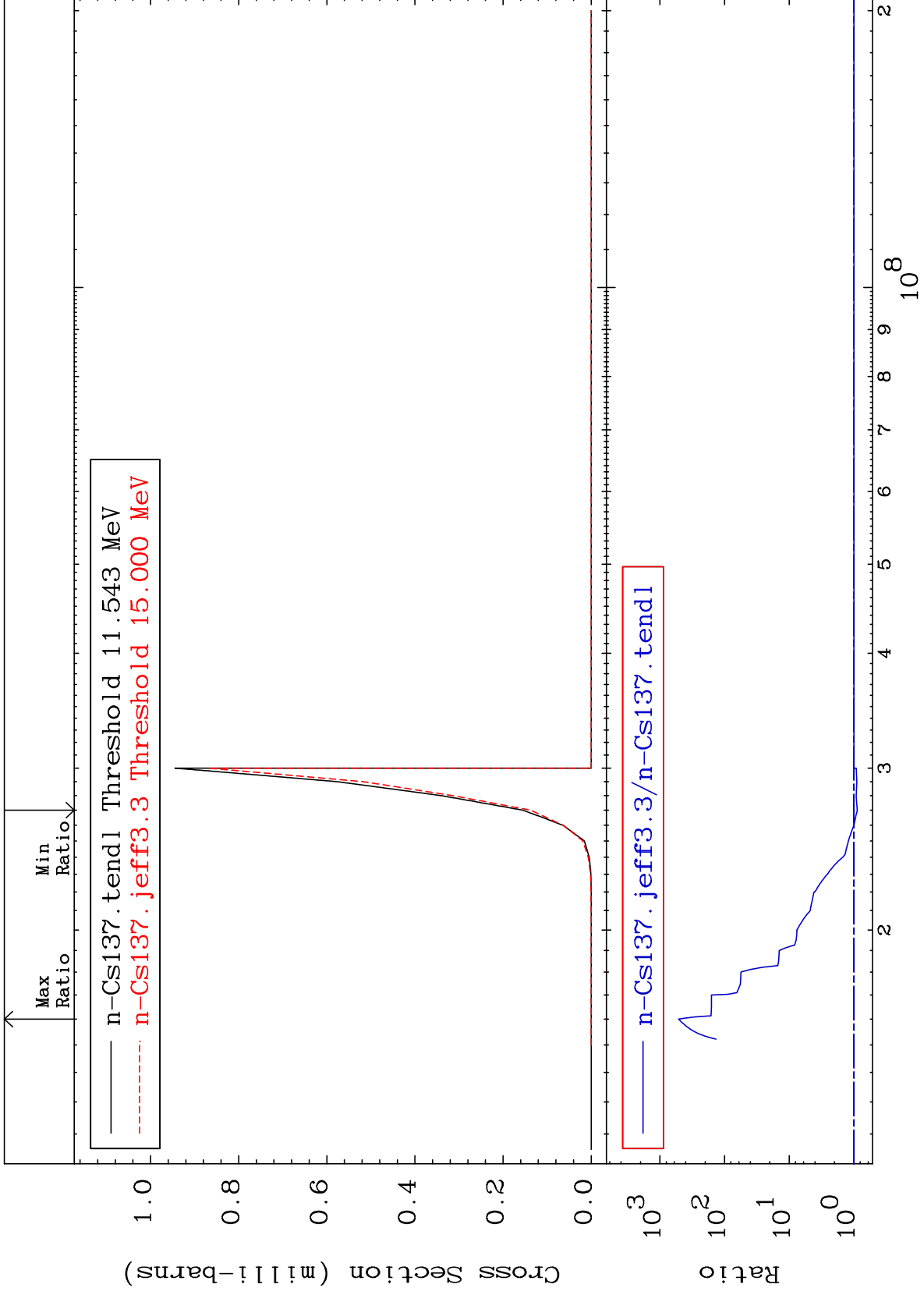


MAT 5537

(n,2n)  $\alpha$ :53-I -132m3

55-Cs-137

Radionuclide Production Cross Section -11.29 To 9999. %

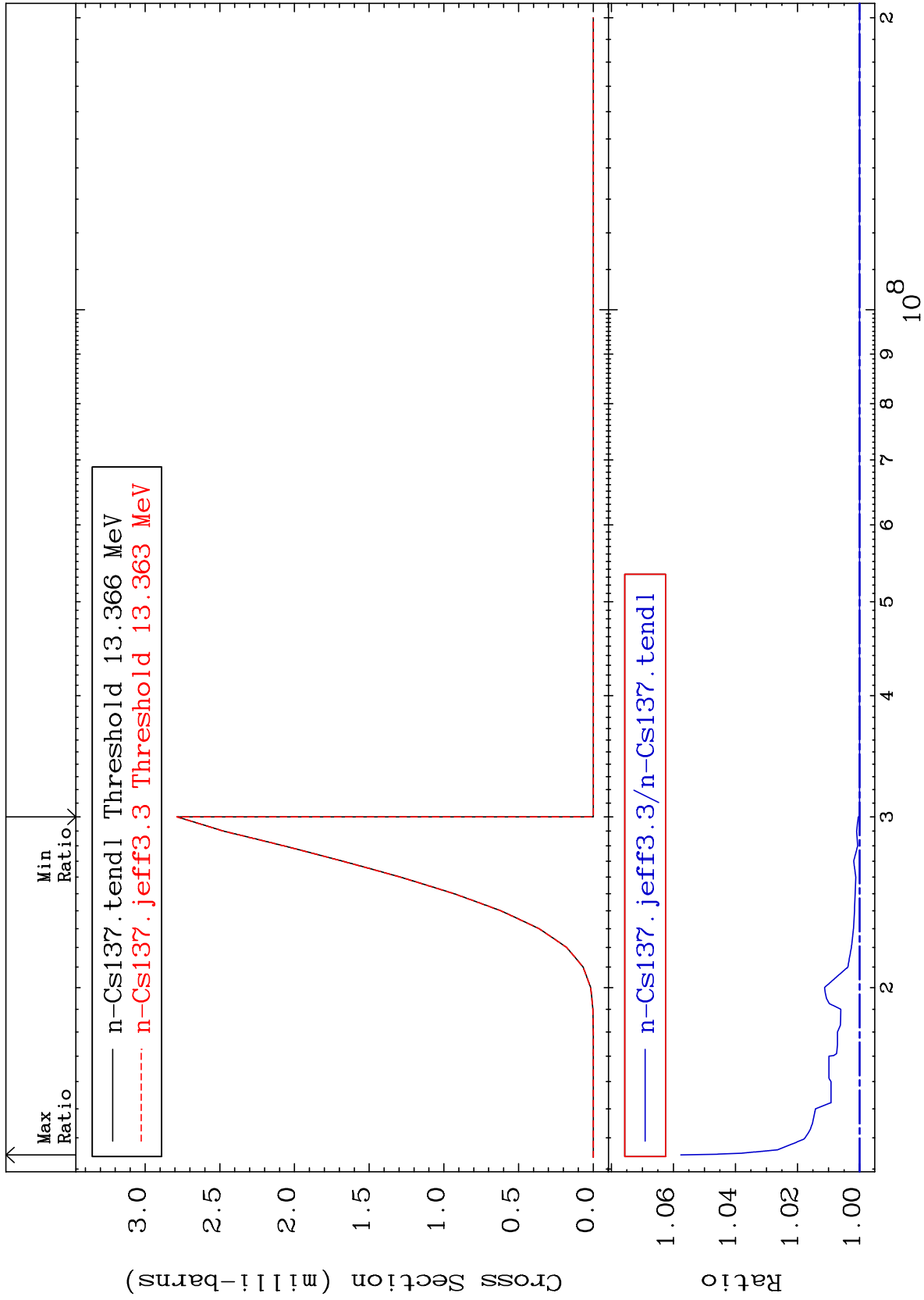


MAT 5537

(n, n') d:54-Xe-135g

55-Cs-137

Radionuclide Production Cross Section 0.000 To 5.762 %



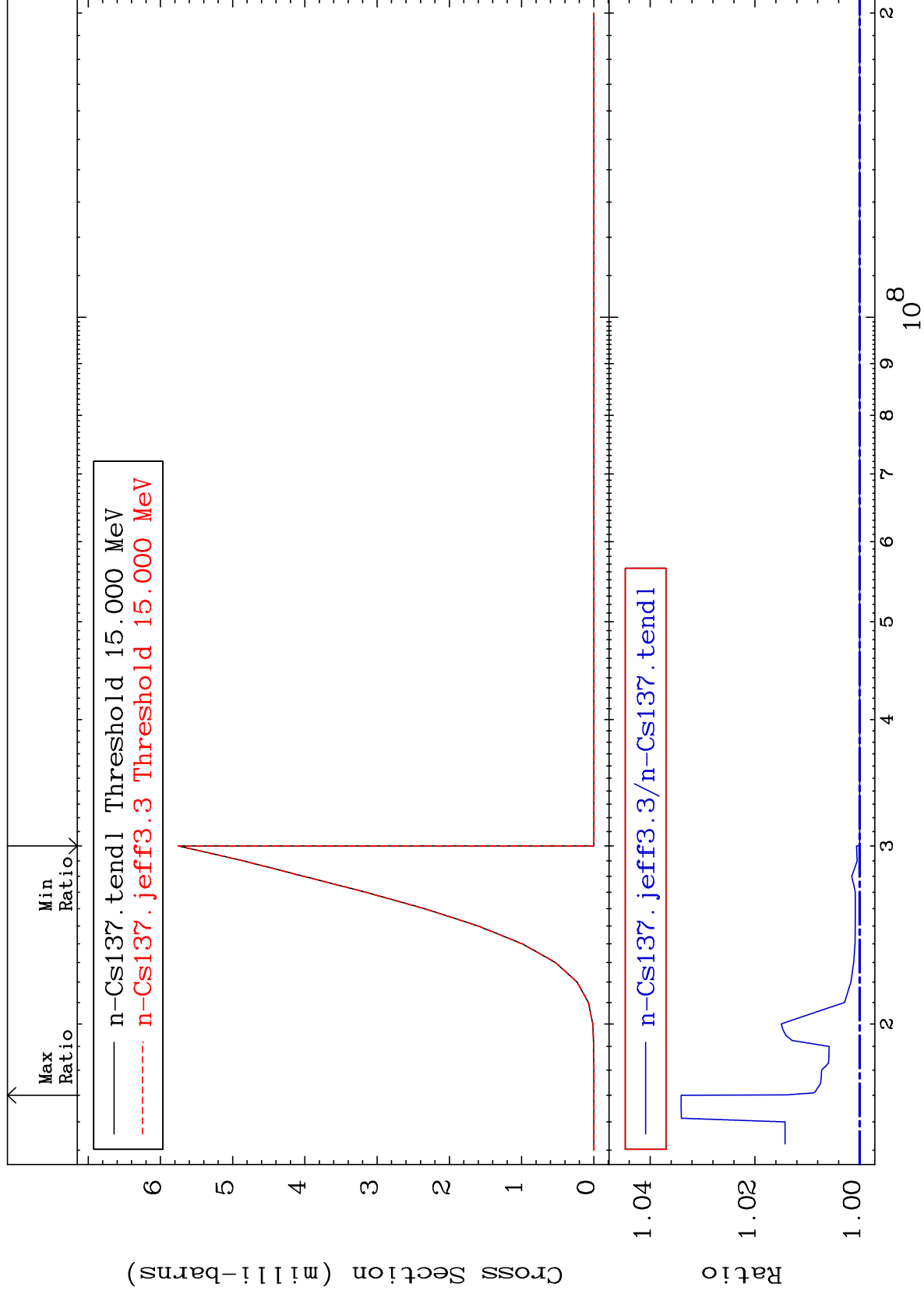


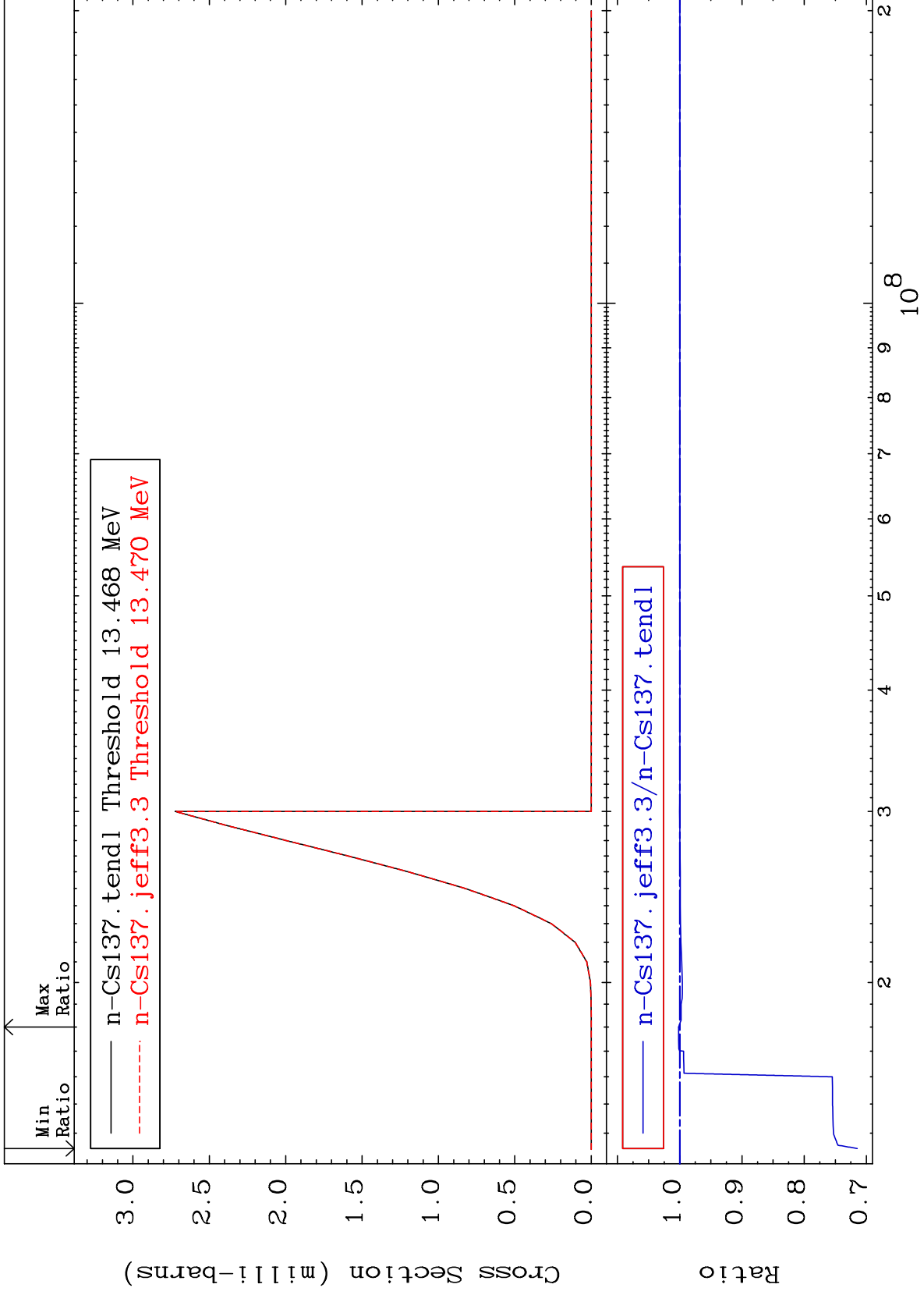
MAT 5537

(n, n') d:54-Xe-135m2

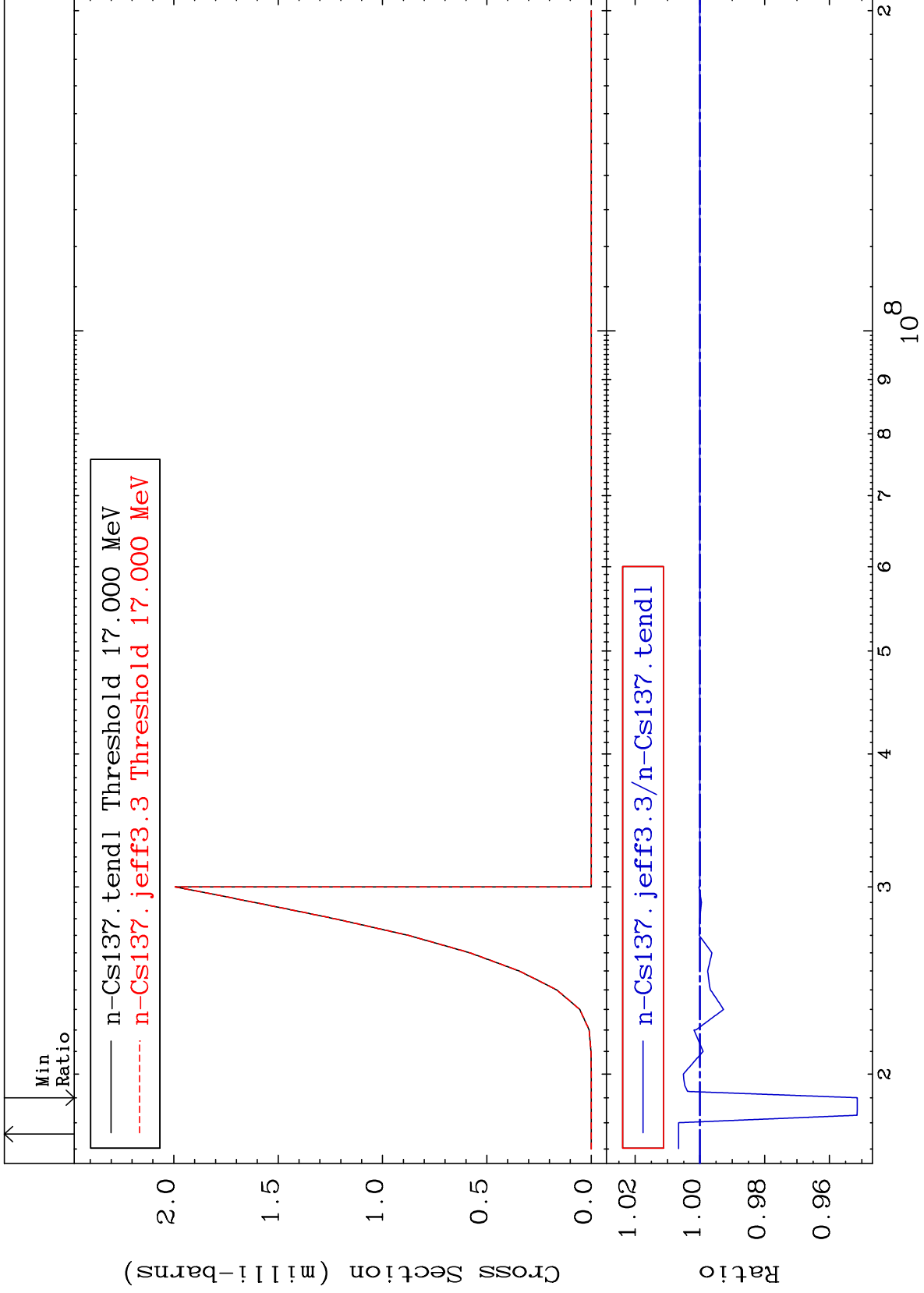
55-Cs-137

Radionuclide Production Cross Section 0.000 To 3.407 %





Radionuclide Production Cross Section -4.860 To 0.657 %

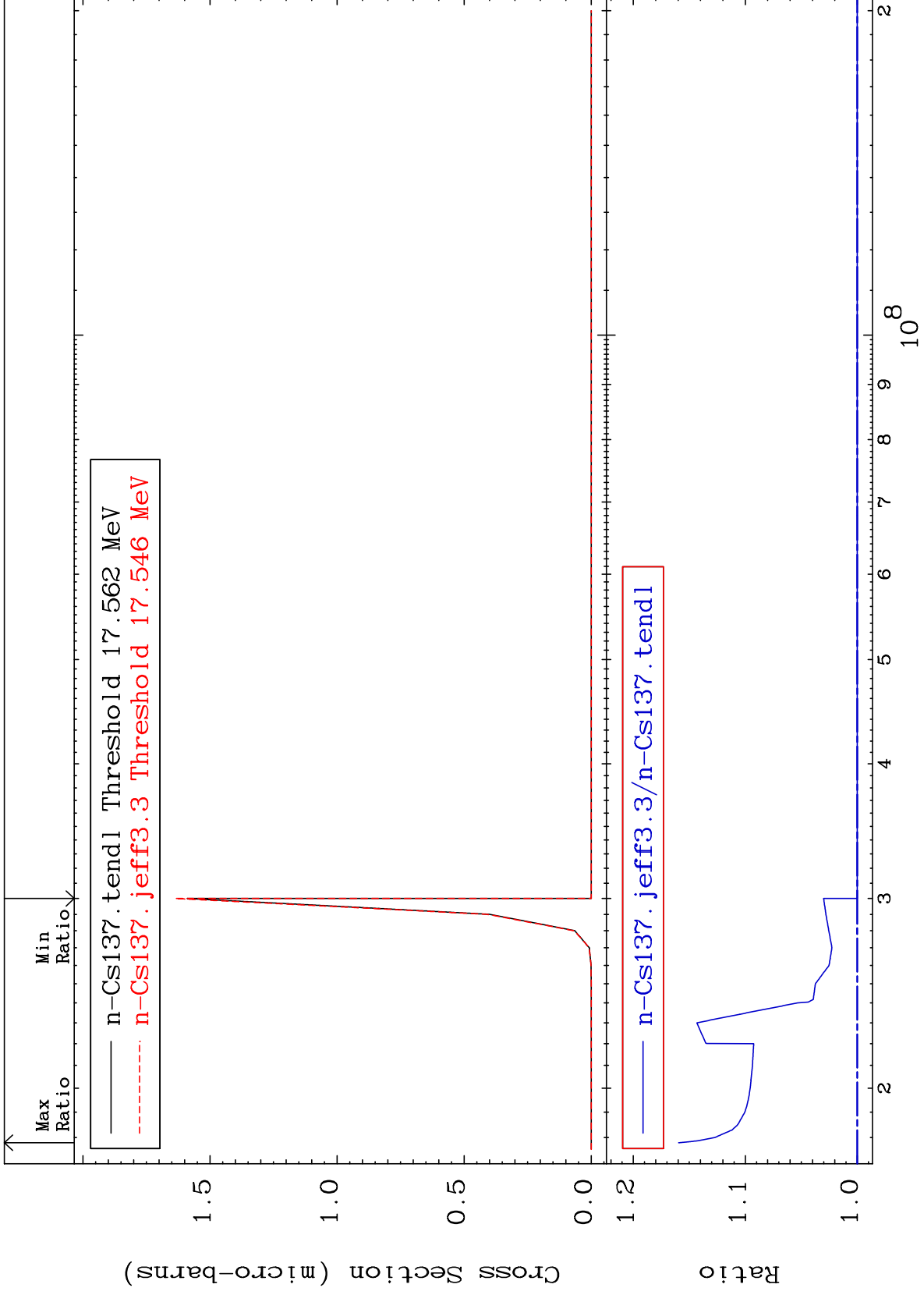


MAT 5537

(n, n') He-3:53-I -134g

55-Cs-137

Radionuclide Production Cross Section 0.000 To 15.95 %



60

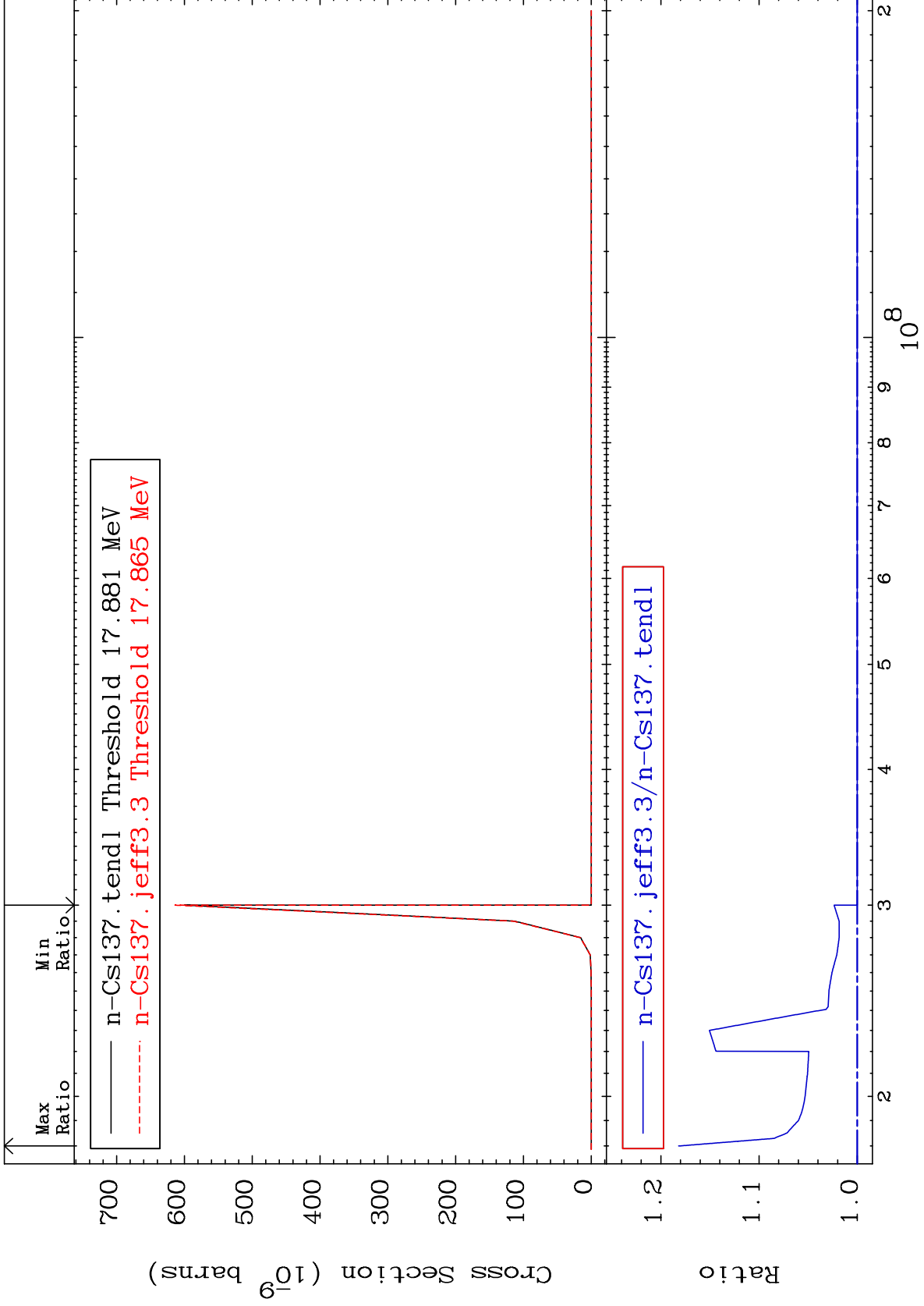
55-Cs-137

MAT 5537

(n, n') He-3:53-I -134m5

55-Cs-137

Radionuclide Production Cross Section 0.000 To 18.19 %



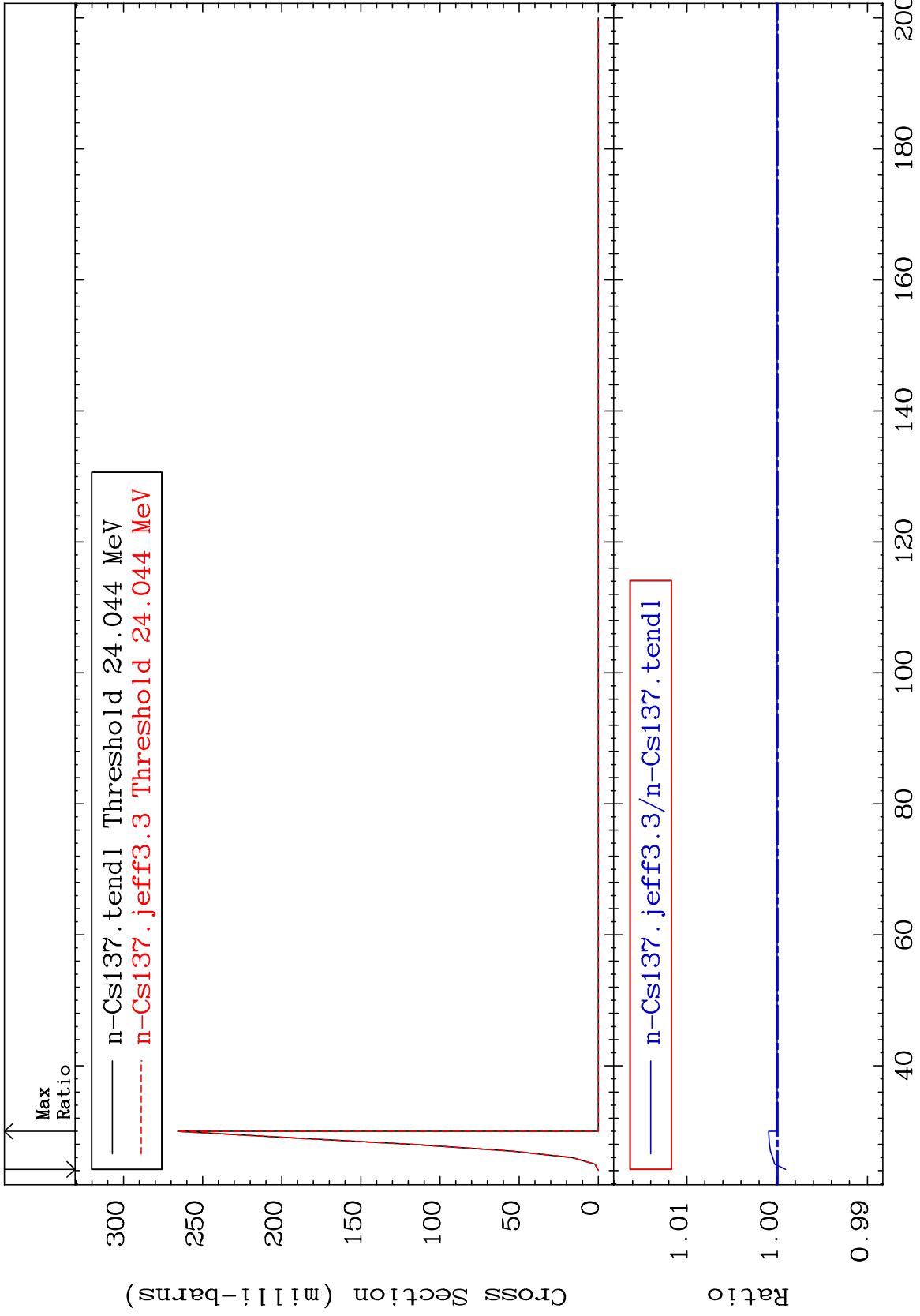
MAT 5537

(n, 4n):55-Cs-134g

55-Cs-137

Radionuclide Production Cross Section

-0.093 To 0.095 %

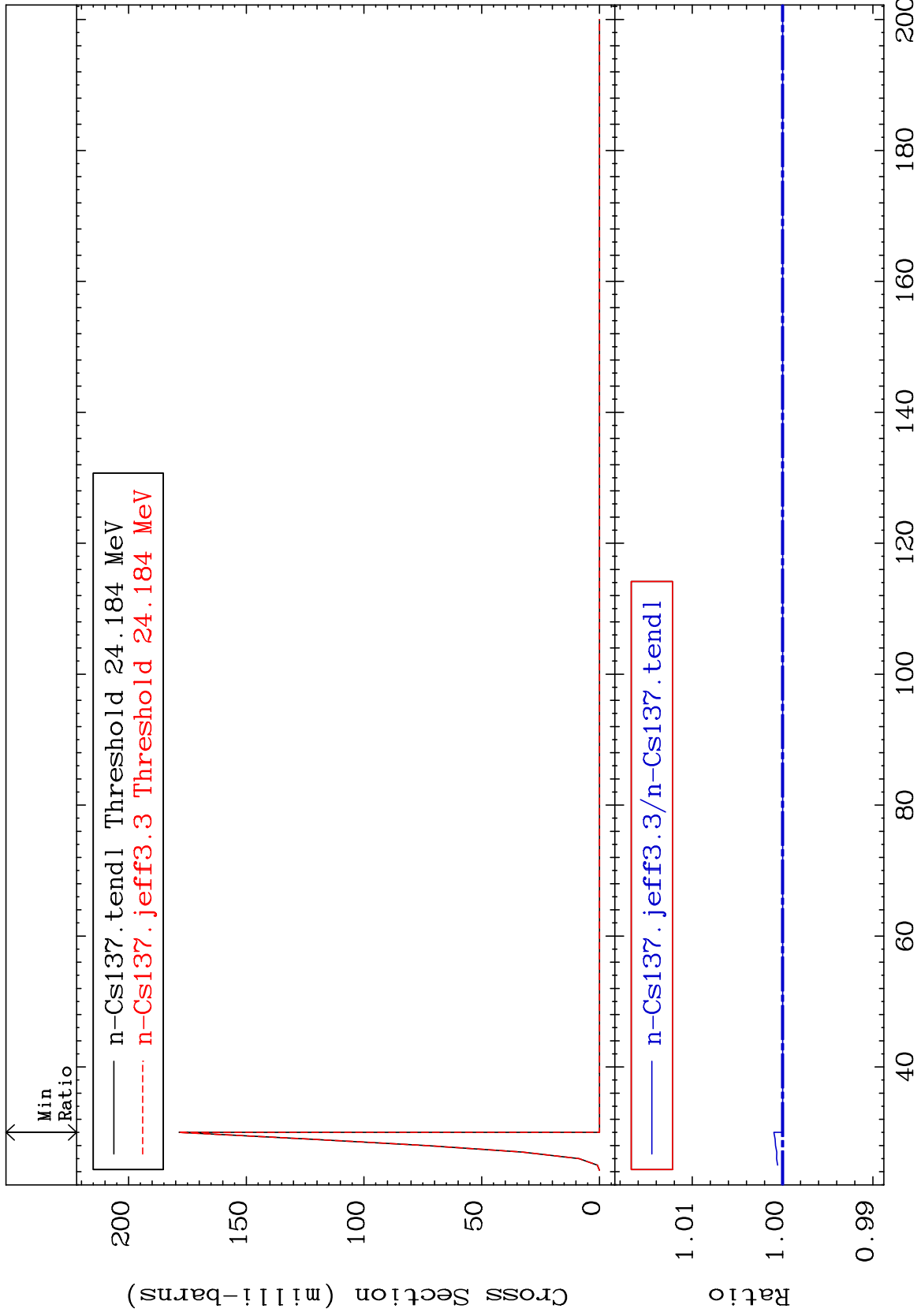


MAT 5537

(n, 4n) : 55-Cs-134m3

55-Cs-137

Radionuclide Production Cross Section 0.000 To 0.098 %

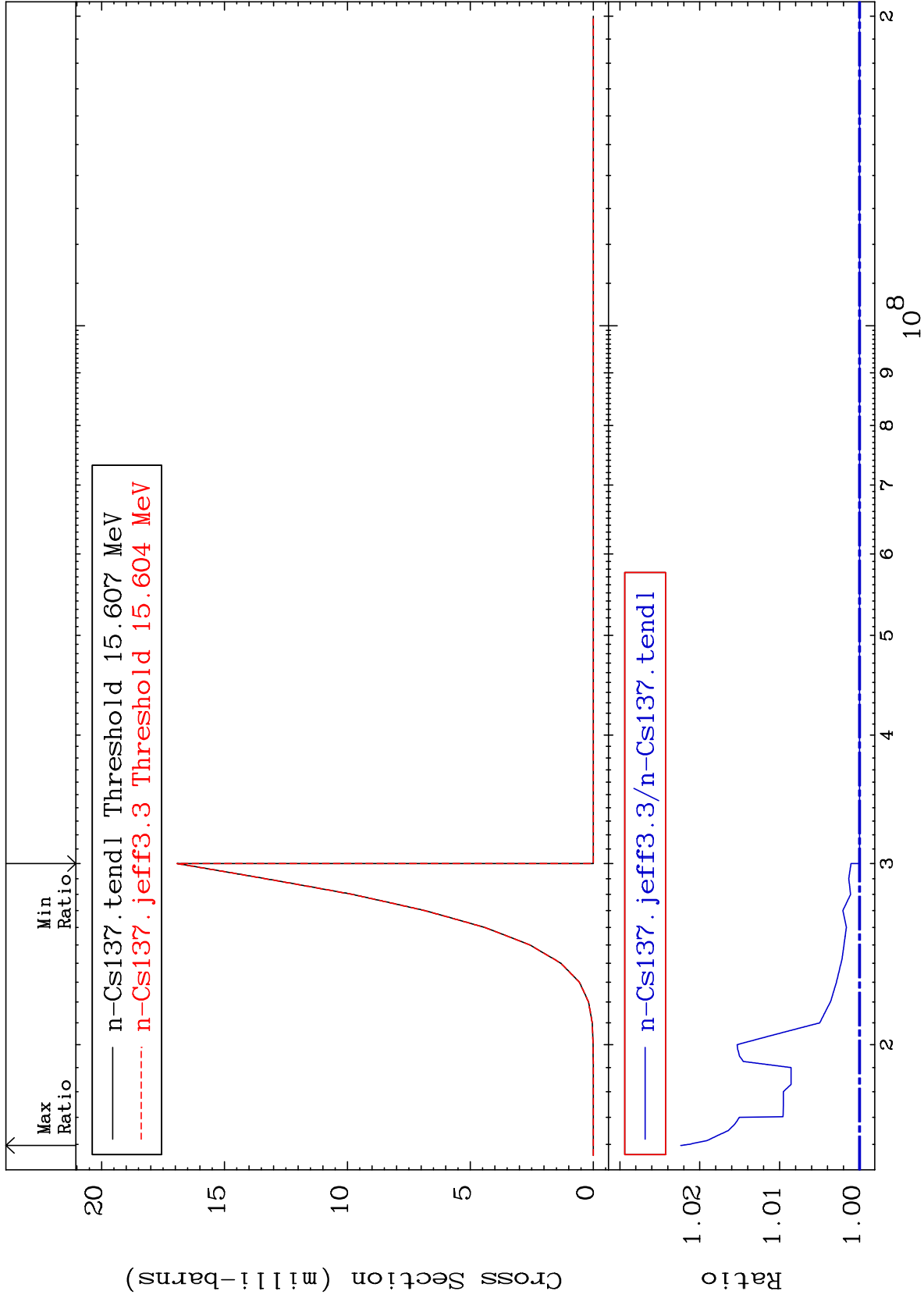


MAT 5537

(n,2n) p:54-Xe-135g

55-Cs-137

Radionuclide Production Cross Section 0.000 To 2.237 %



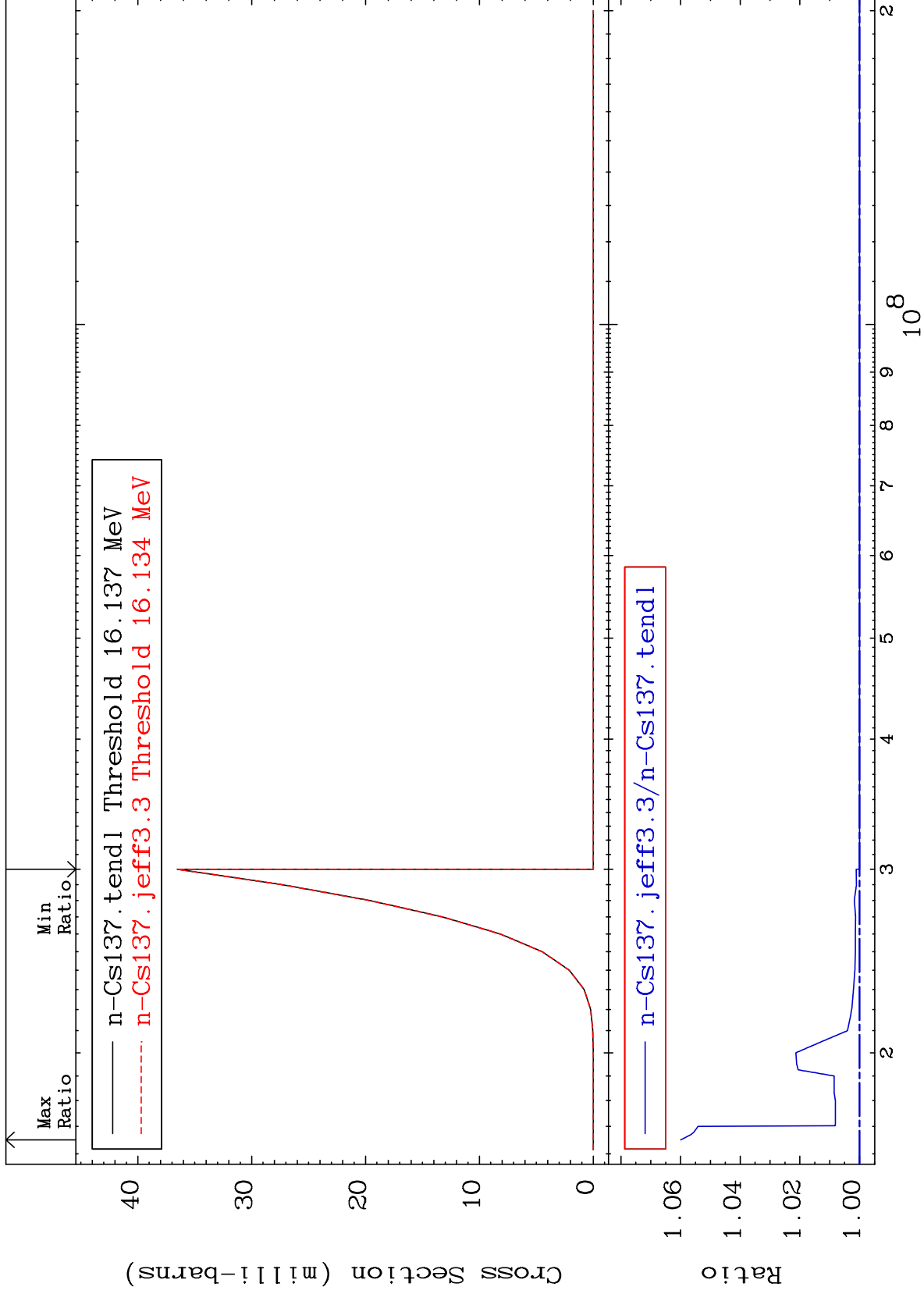


MAT 5537

(n,2n) p:54-Xe-135m2

55-Cs-137

Radionuclide Production Cross Section 0.000 To 5.993 %



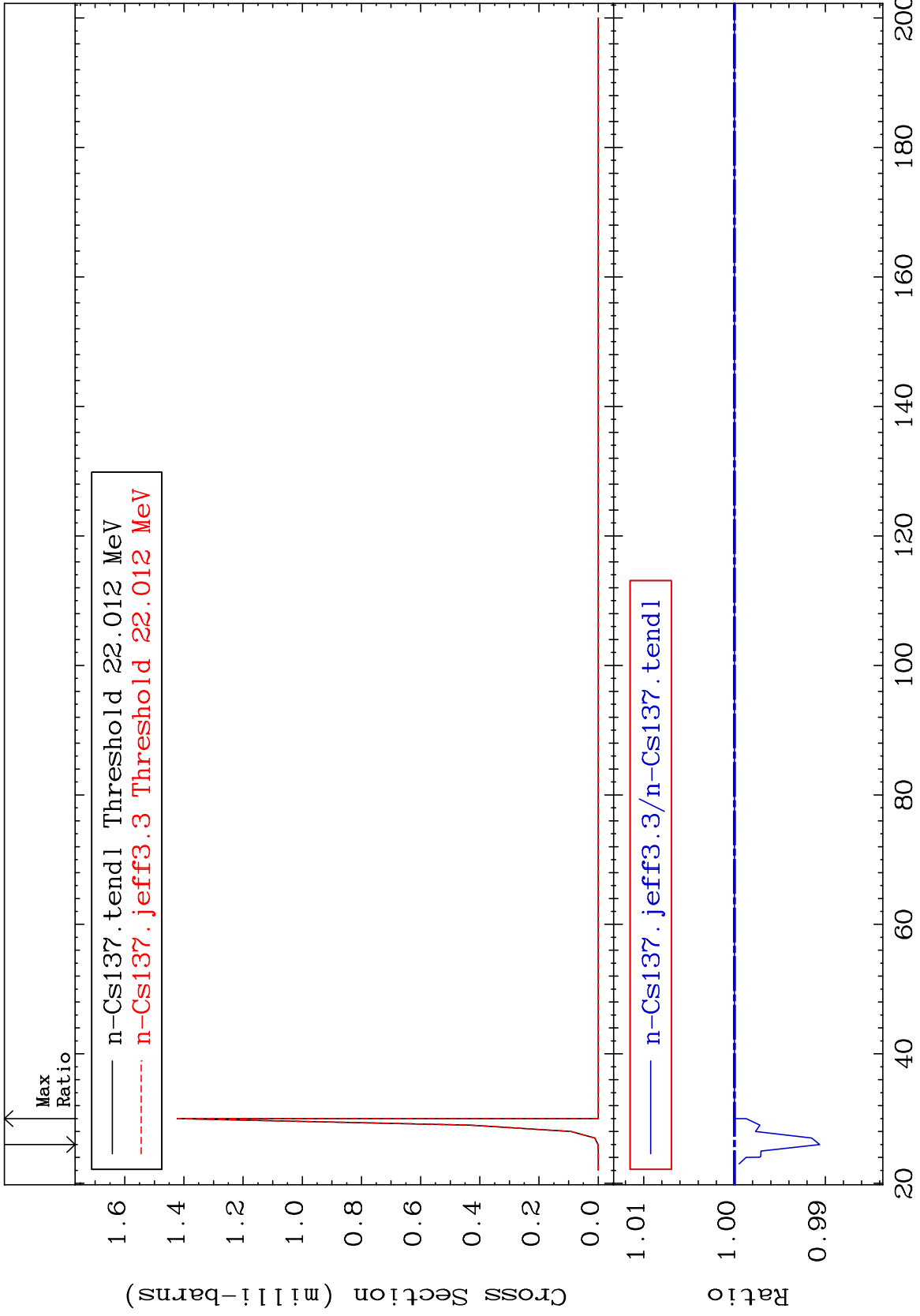
MAT 5537

(n,3n) p:54-Xe-134g

55-Cs-137

Radionuclide Production Cross Section

-0.939 To 0.000 %



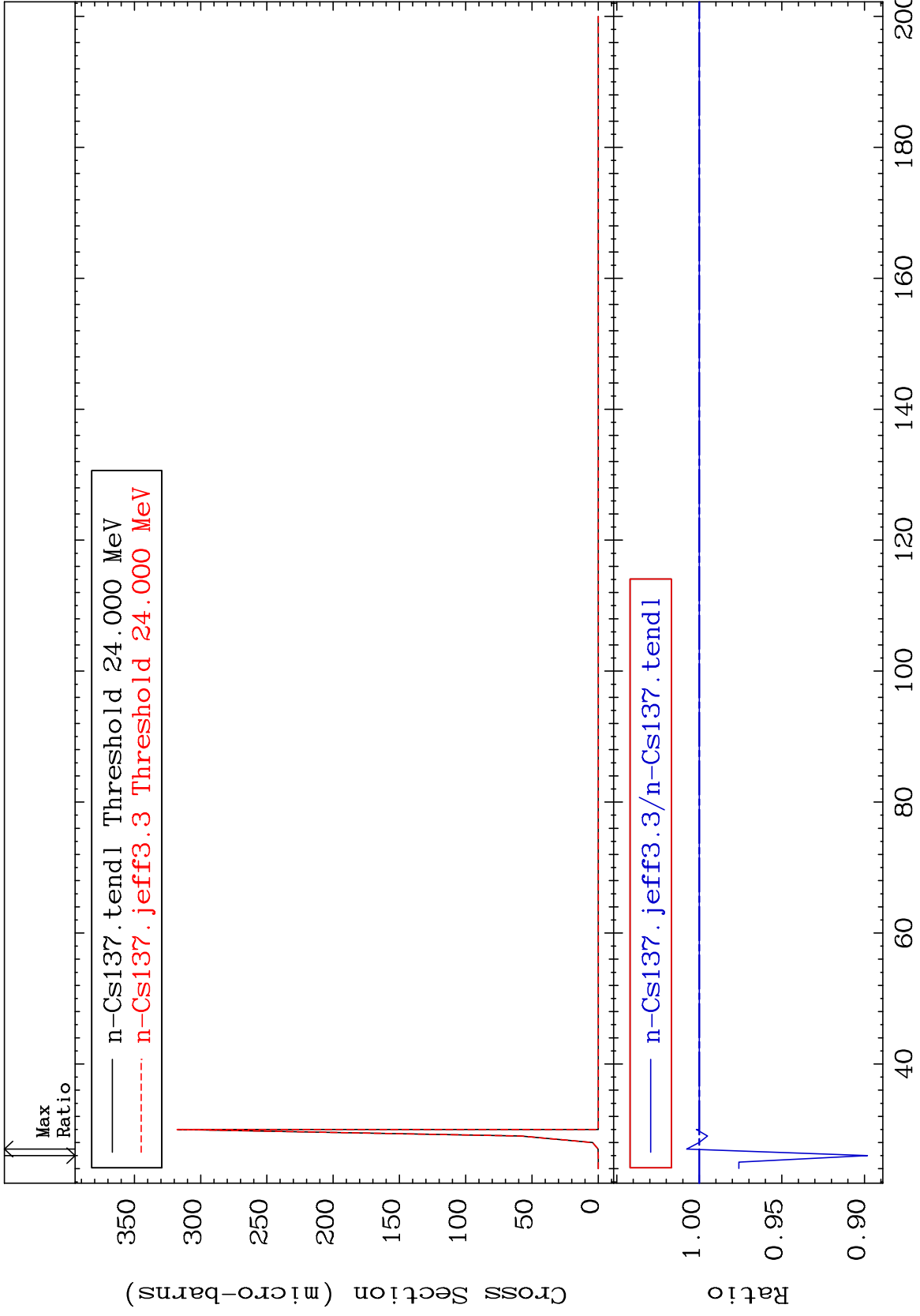
MAT 5537

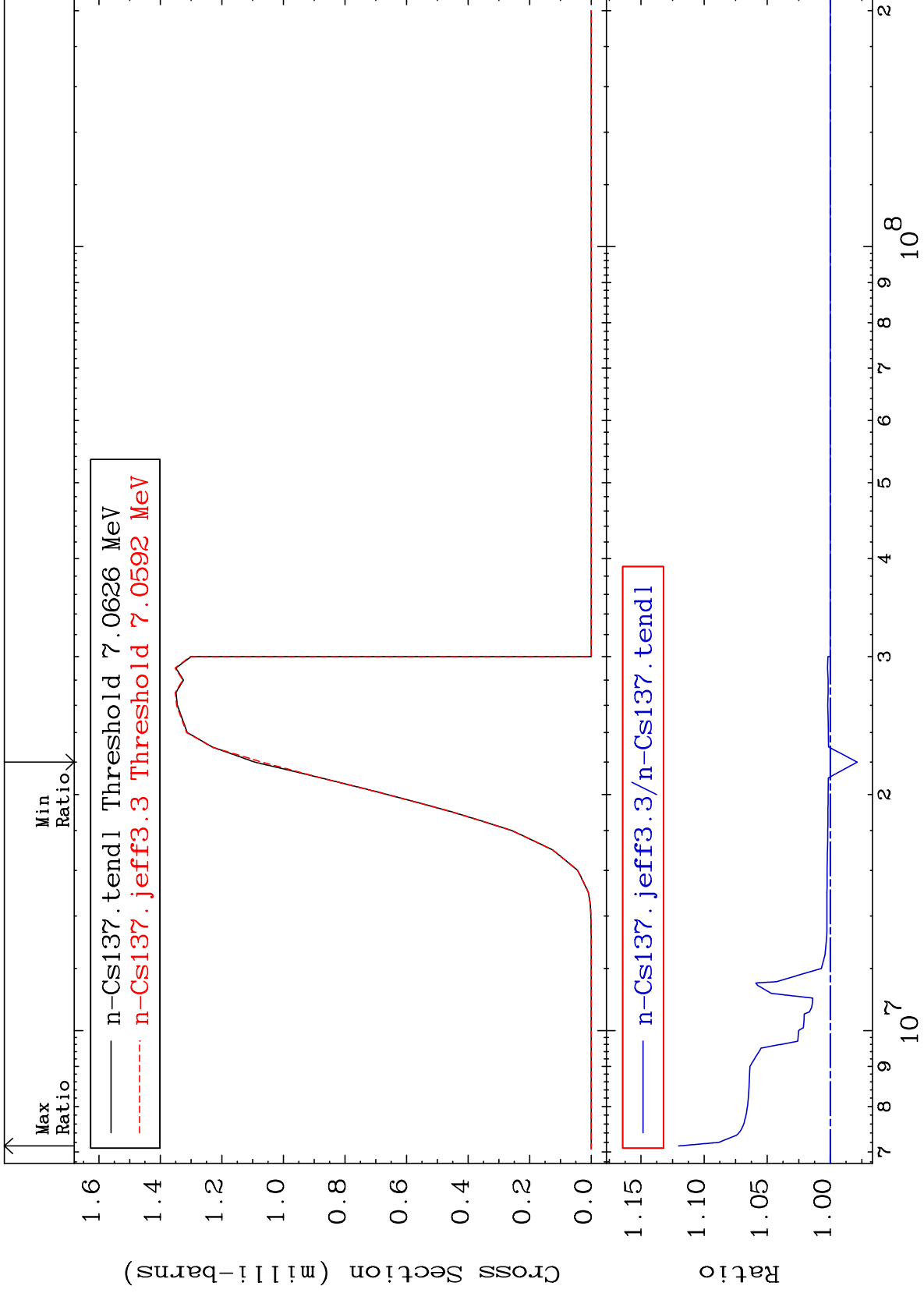
(n,3n) p:54-Xe-134m7

55-Cs-137

Radionuclide Production Cross Section

-10.18 To 0.763 %



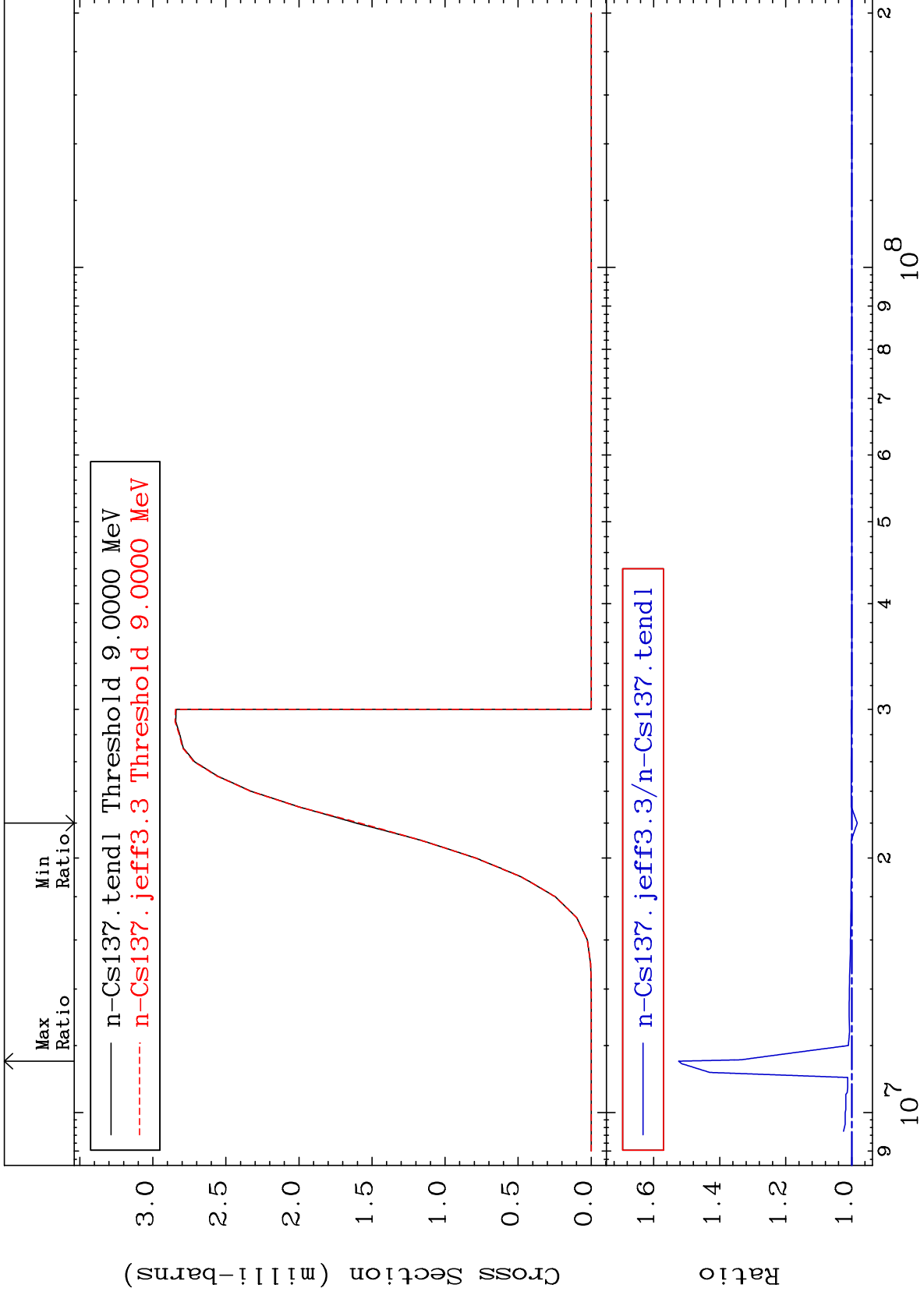


MAT 5537

(n, t):54-Xe-135m2

55-Cs-137

Radionuclide Production Cross Section -1.649 To 52.46 %



69

Incident Energy (eV)

55-Cs-137

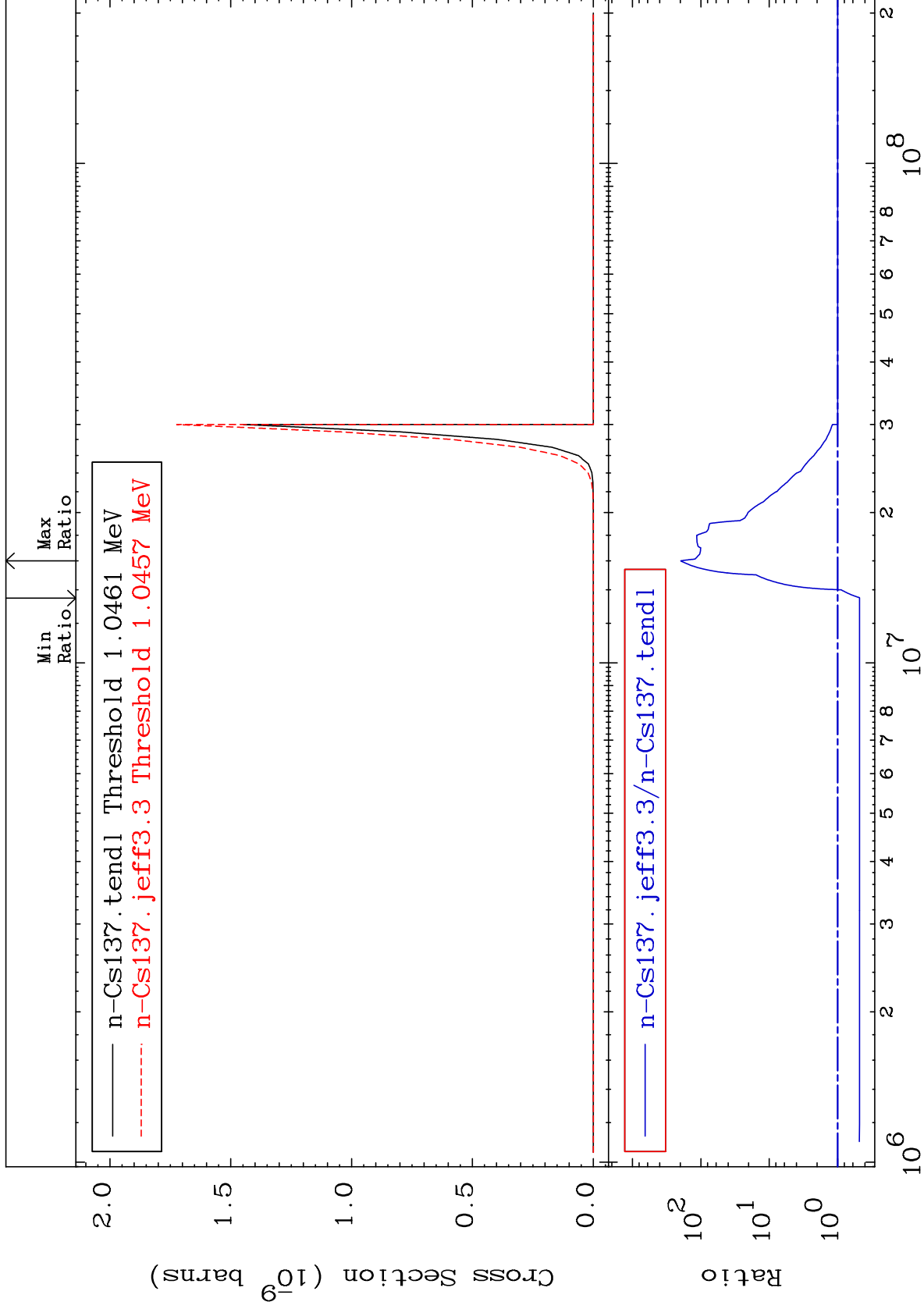
MAT 5537

(n,2α):51-Sb-130g

55-Cs-137

Radionuclide Production Cross Section

-52.12 To 9999. %



70

Incident Energy (eV)

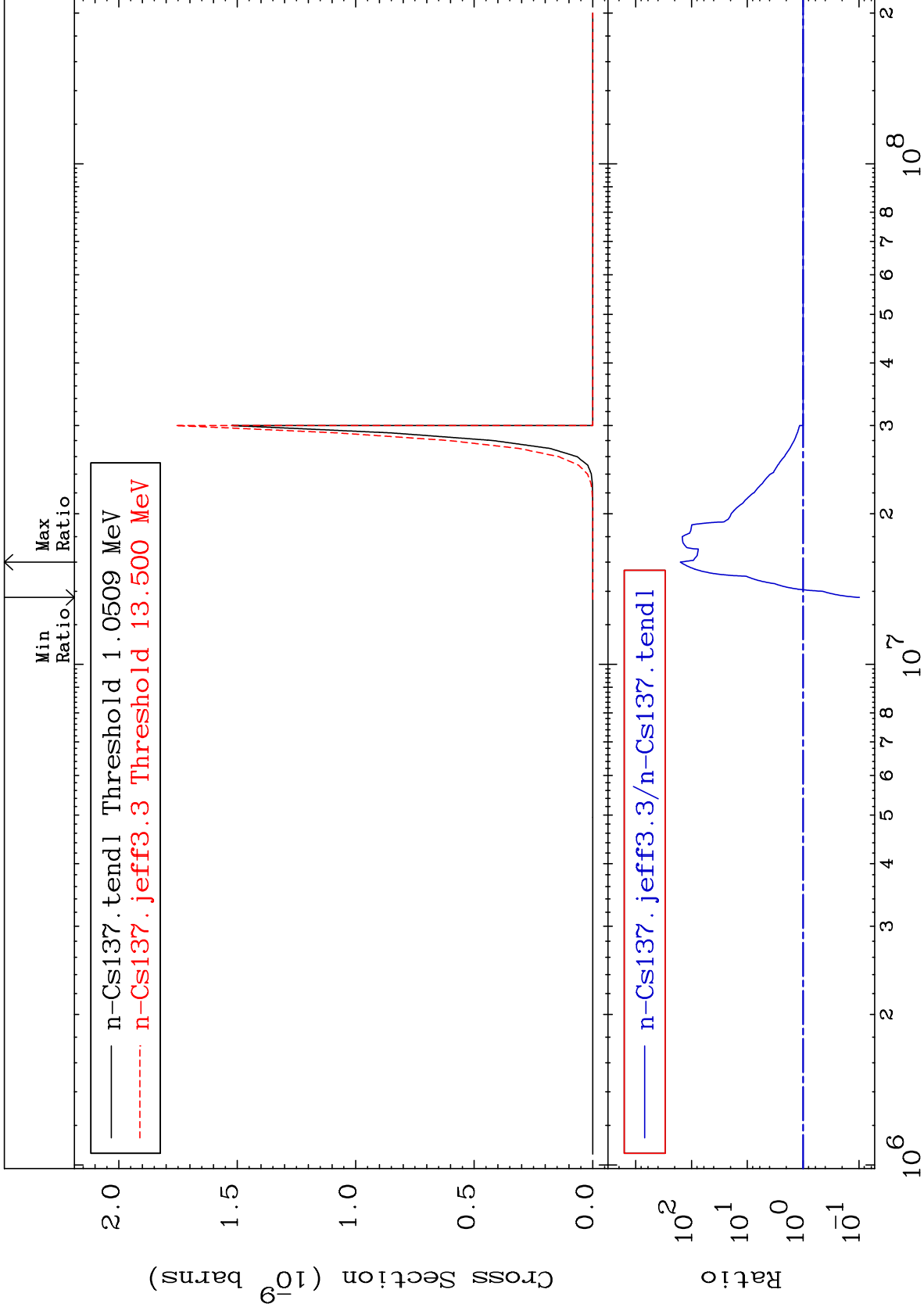
55-Cs-137

MAT 5537

(n,2α):51-Sb-130m1

55-Cs-137

Radionuclide Production Cross Section -90.21 To 9999. %



71

Incident Energy (eV)

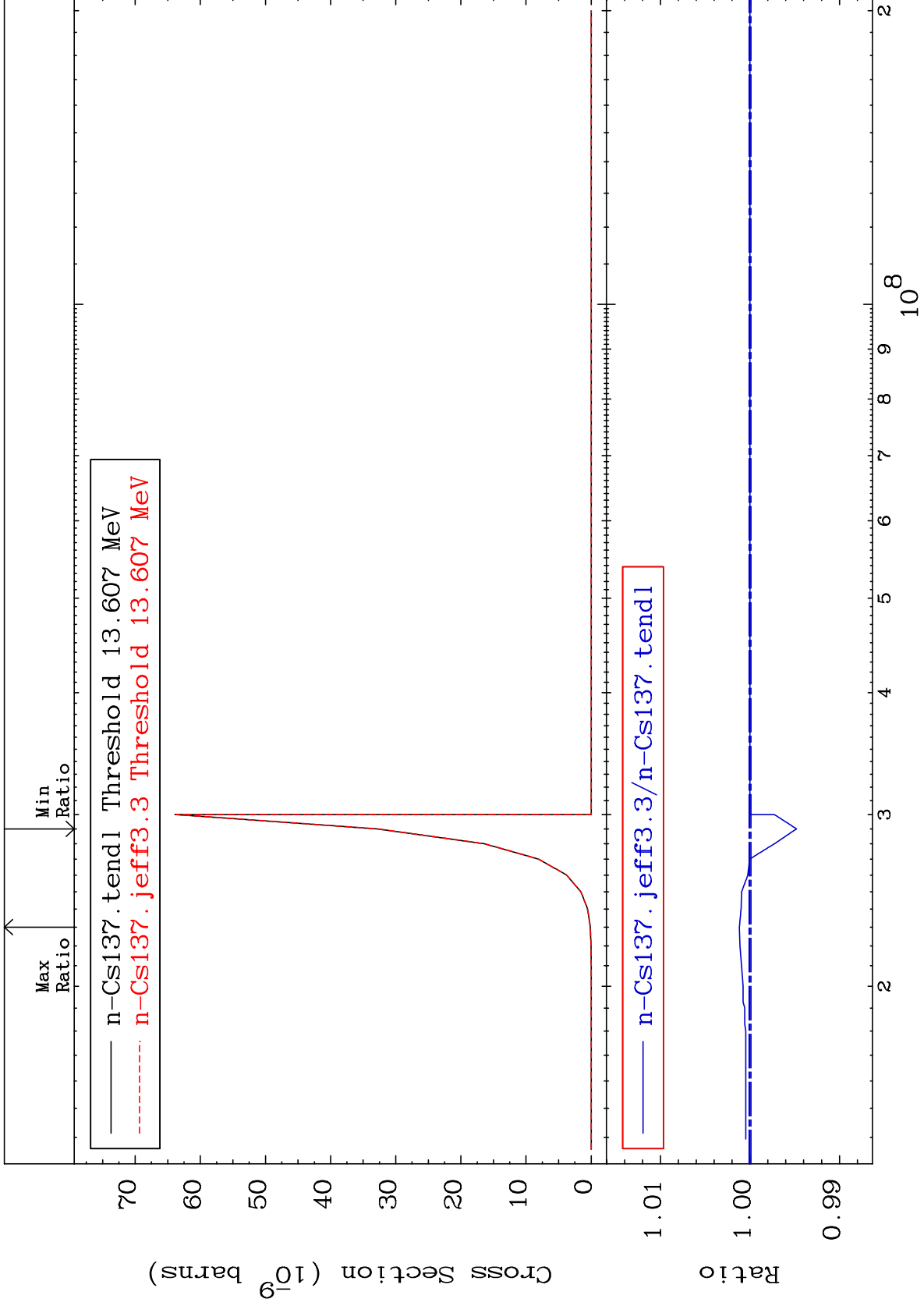
55-Cs-137

MAT 5537

(n,2p):53-I -136g

55-Cs-137

Radionuclide Production Cross Section -0.520 To 0.119 %



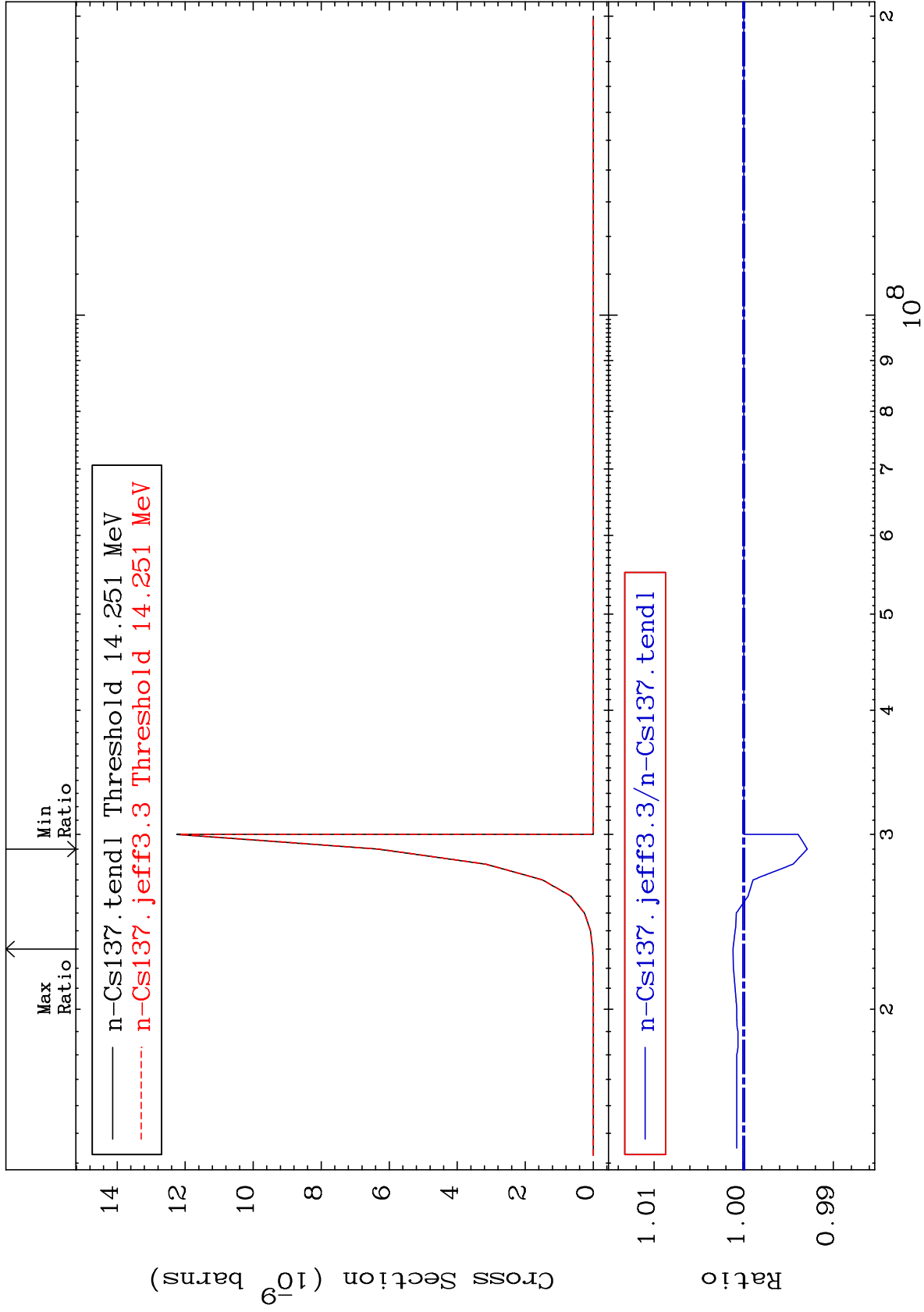


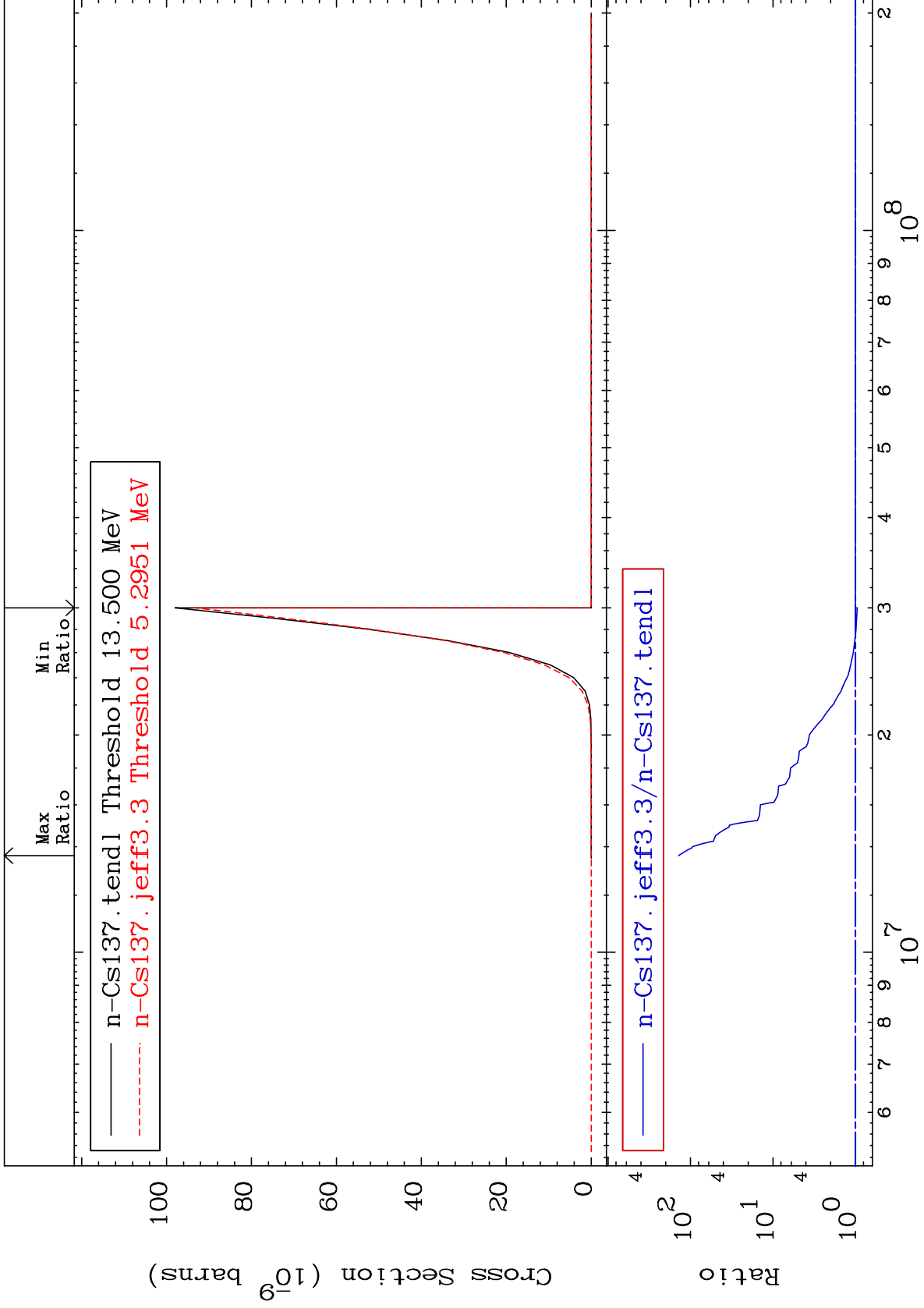
MAT 5537

(n,2p):53-I -136m6

55-Cs-137

Radionuclide Production Cross Section -0.709 To 0.120 %



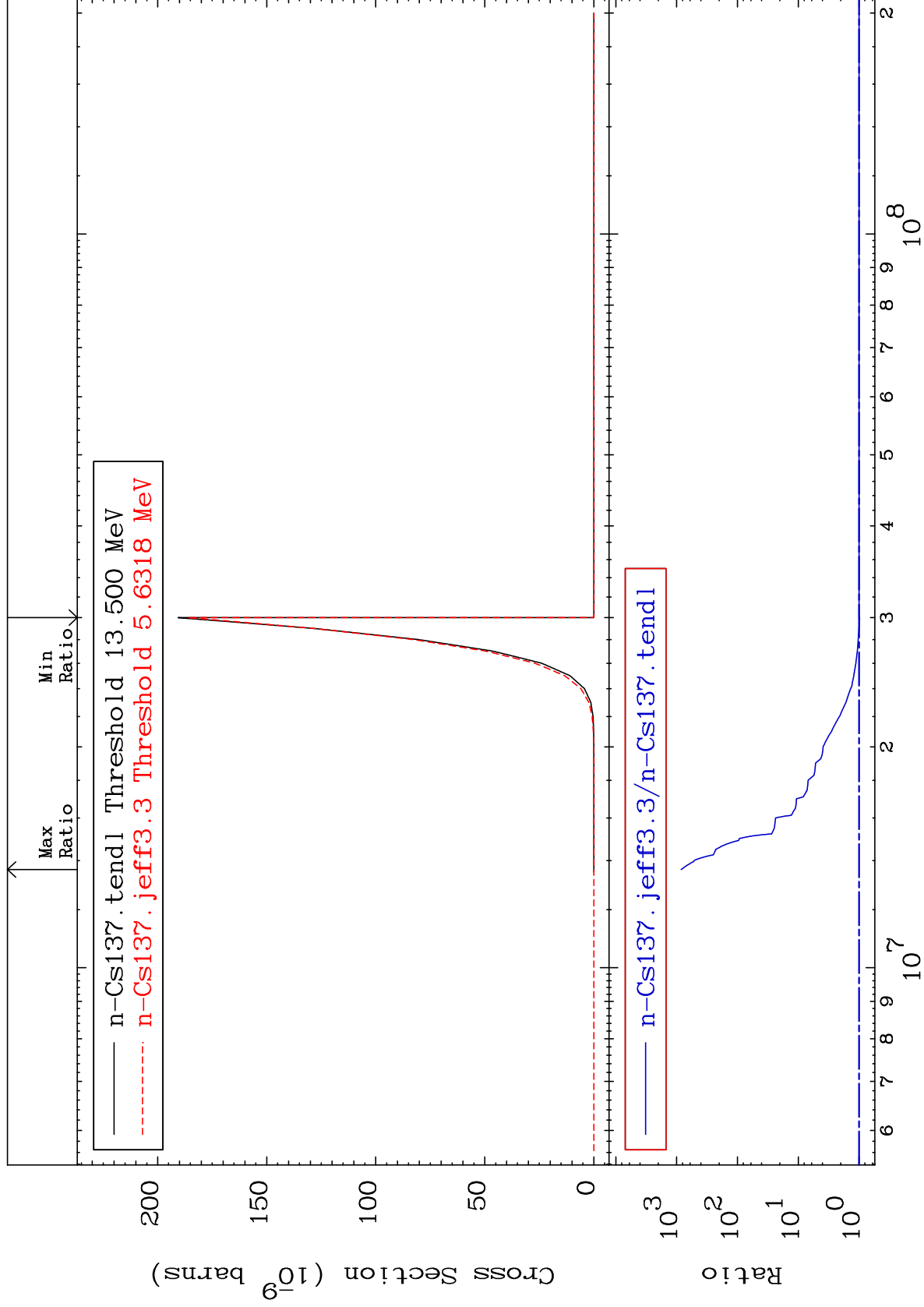


MAT 5537

55-Cs-137

(n, p)  $\alpha$ :52-Te-133m2

Radionuclide Production Cross Section -2.316 To 9999. %



75

Incident Energy (eV)

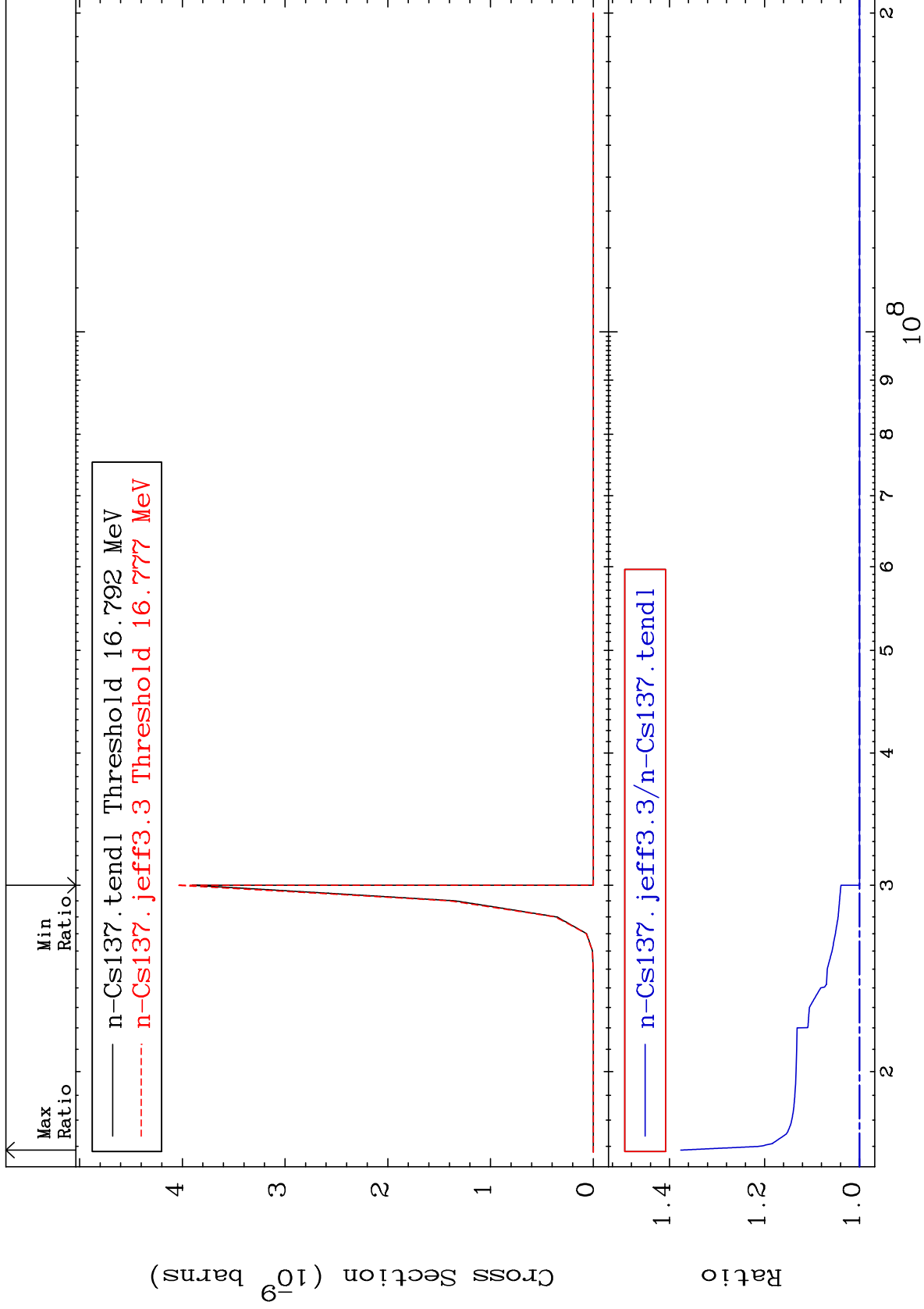
55-Cs-137

MAT 5537

(n,p) t:53-I -134g

55-Cs-137

Radionuclide Production Cross Section 0.000 To 37.63 %



MAT 5537

(n,p) t:53-I -134m5

55-Cs-137

Radionuclide Production Cross Section 0.000 To 22.30 %

