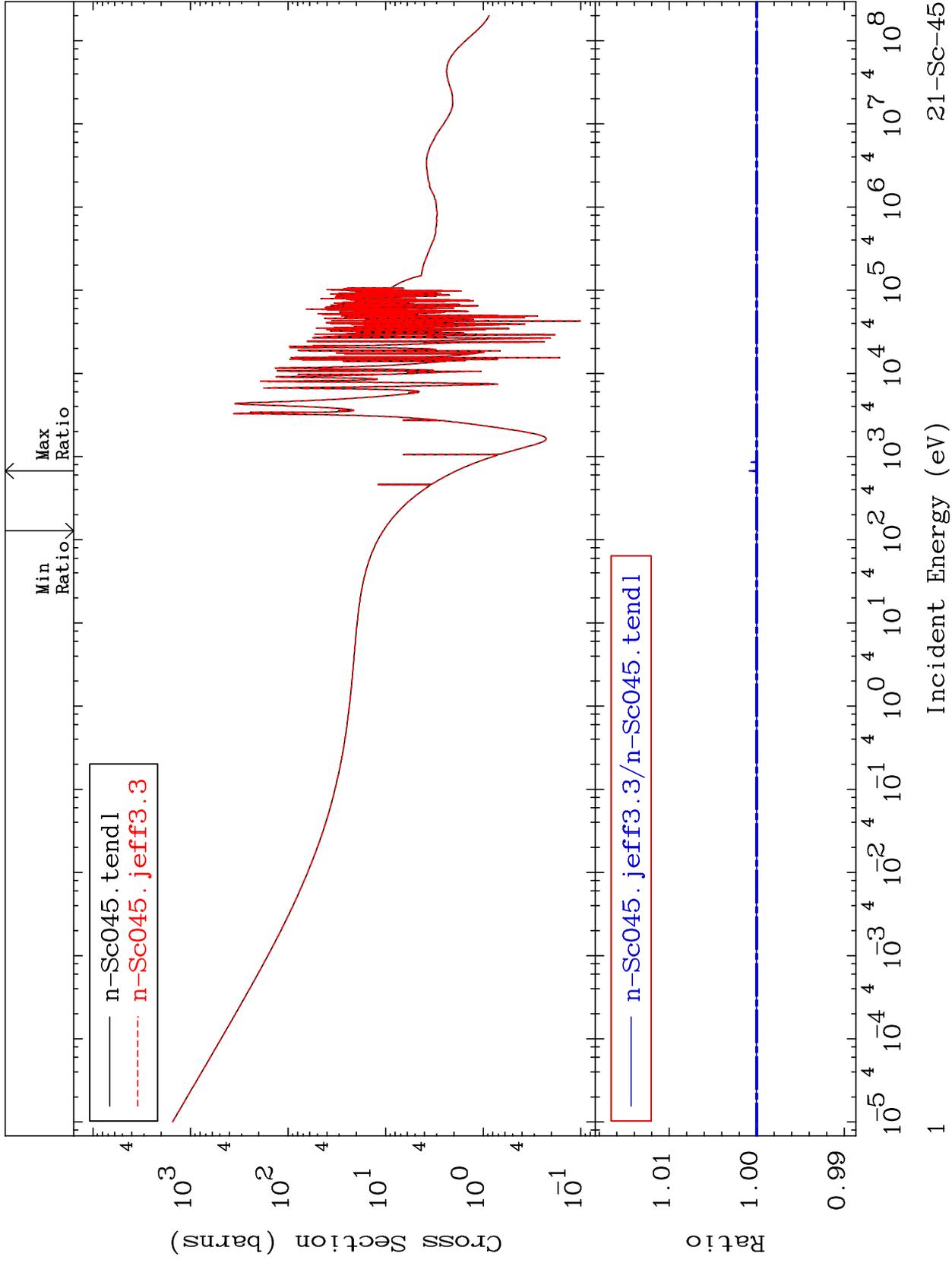


MAT 2125

21-Sc-45

Total Cross Section -0.014 To 0.088 %



21-Sc-45

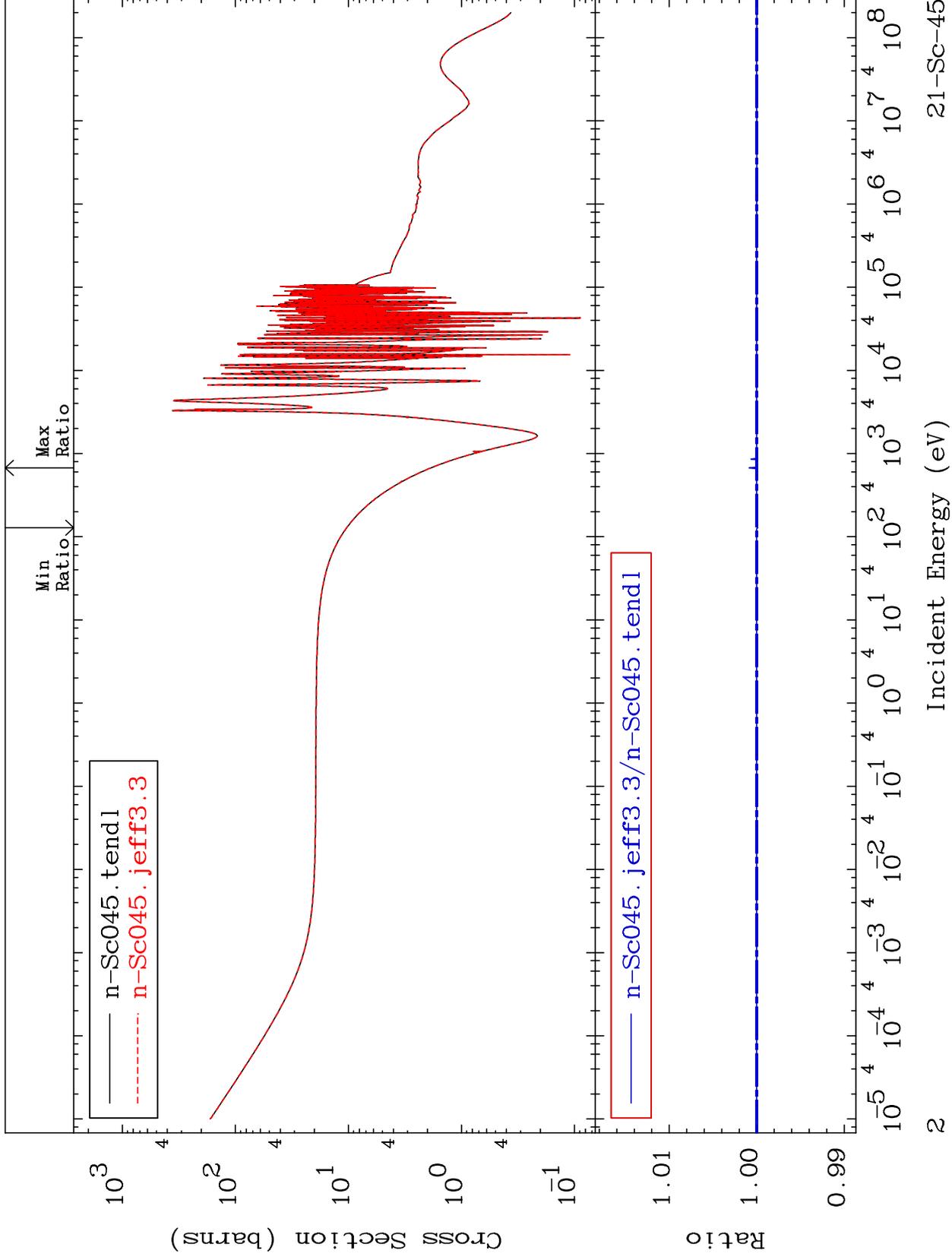
MAT 2125

Elastic

21-Sc-45

Cross Section

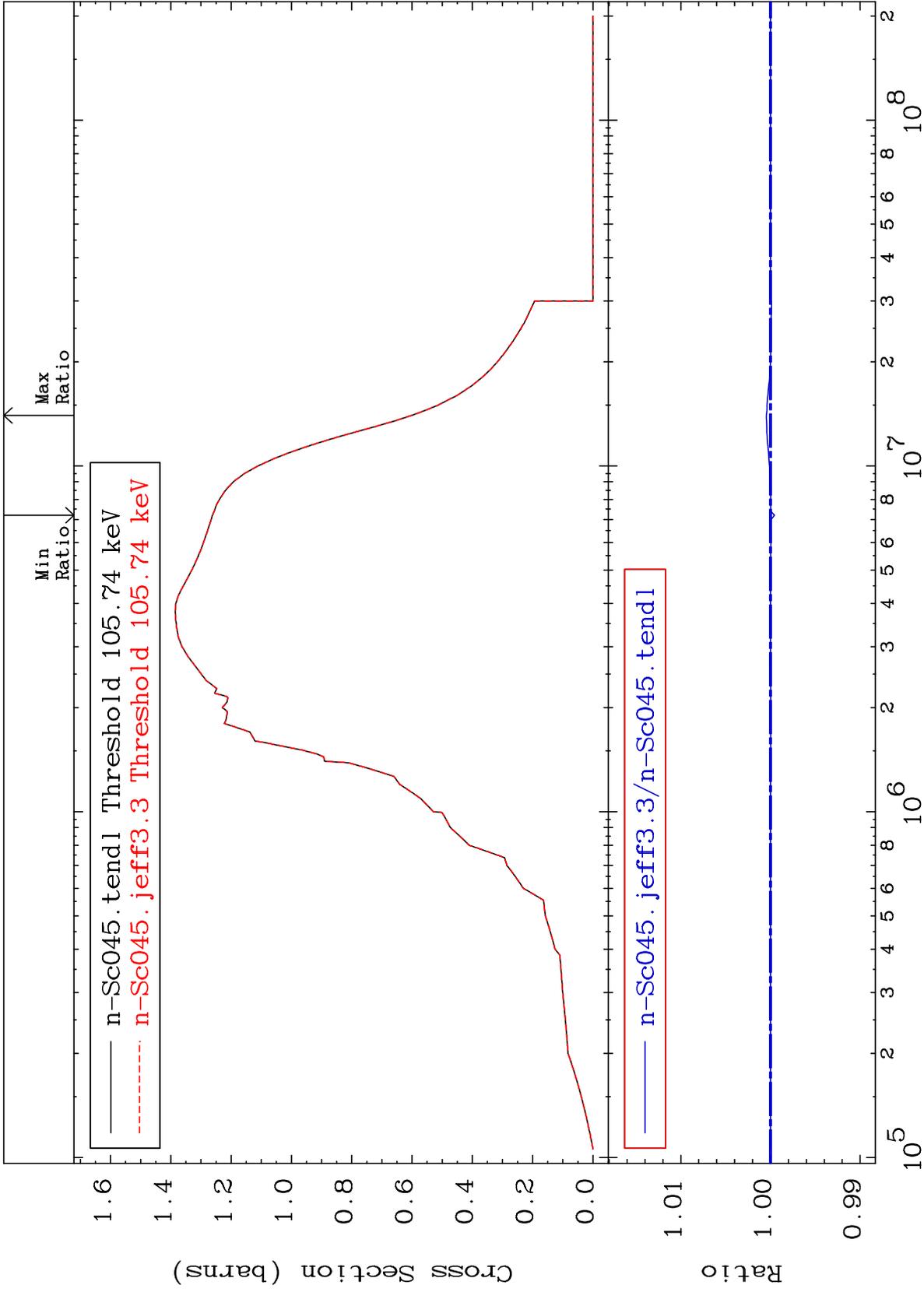
-0.013 To 0.087 %



MAT 2125

Inelastic  
Cross Section

21-Sc-45  
-0.044 To 0.046 %



Incident Energy (eV)

21-Sc-45

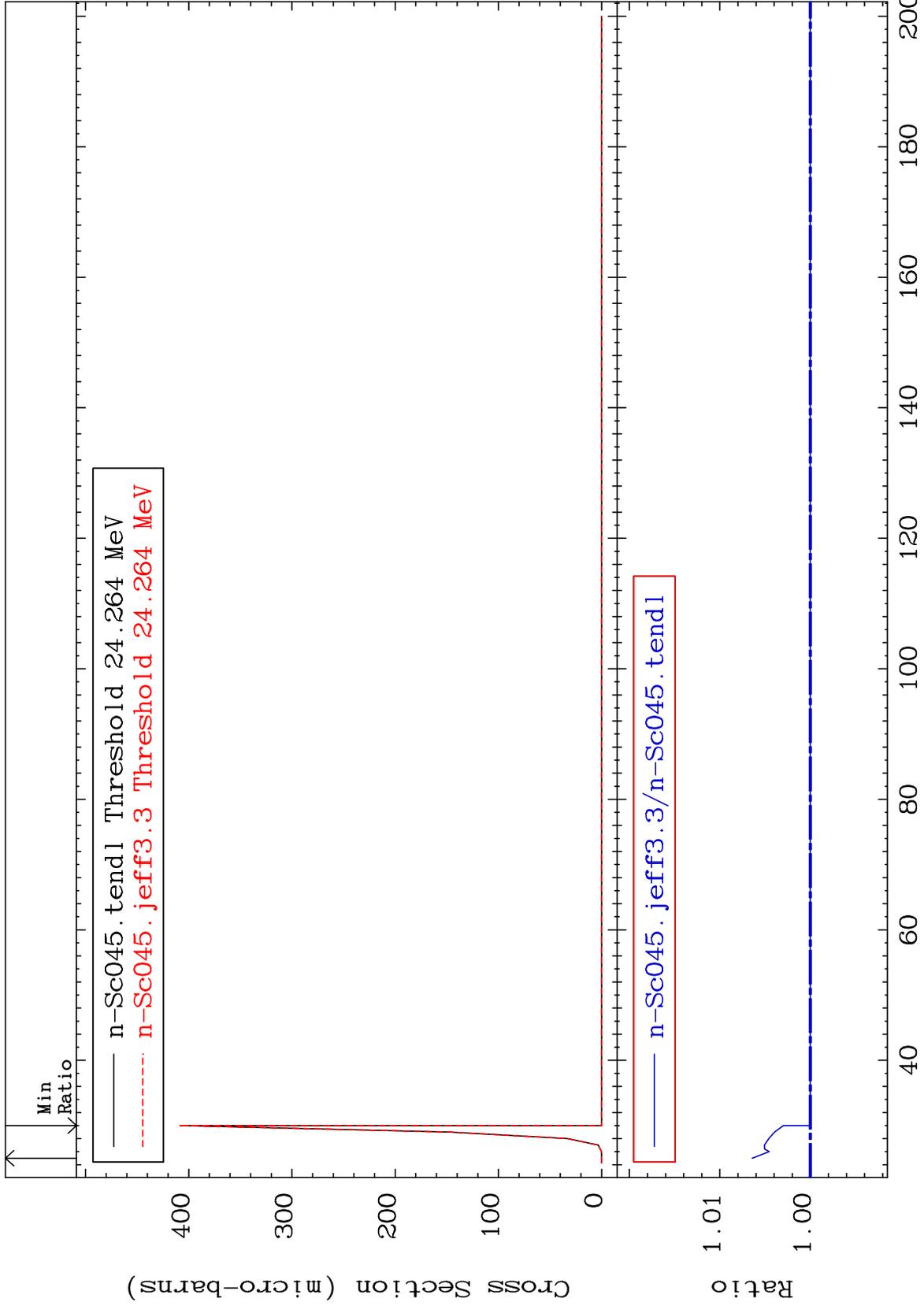
MAT 2125

(n,2n) d

21-Sc-45

Cross Section

0.000 To 0.644 %



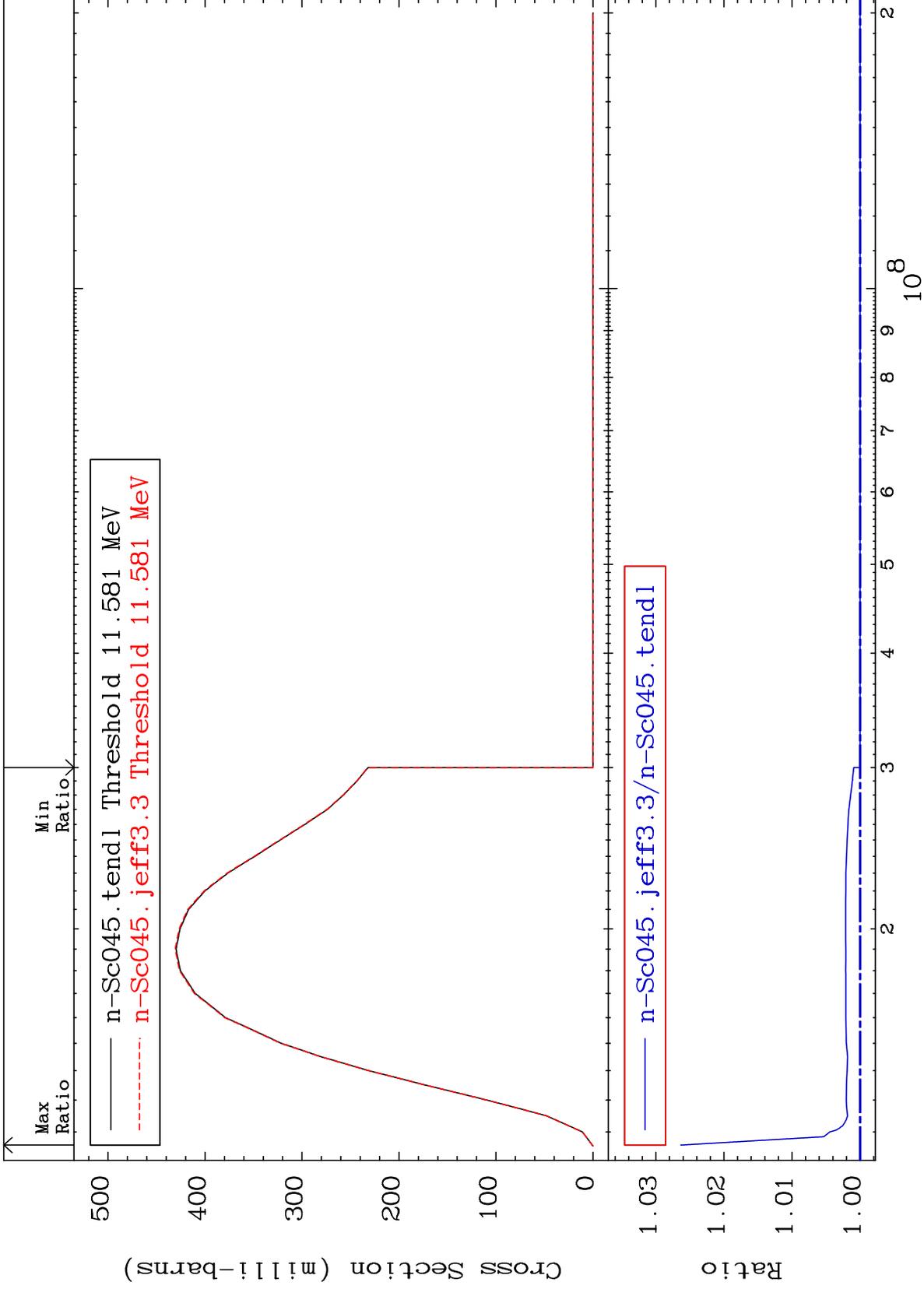
21-Sc-45

21-Sc-45

MAT 2125

(n,2n)  
Cross Section

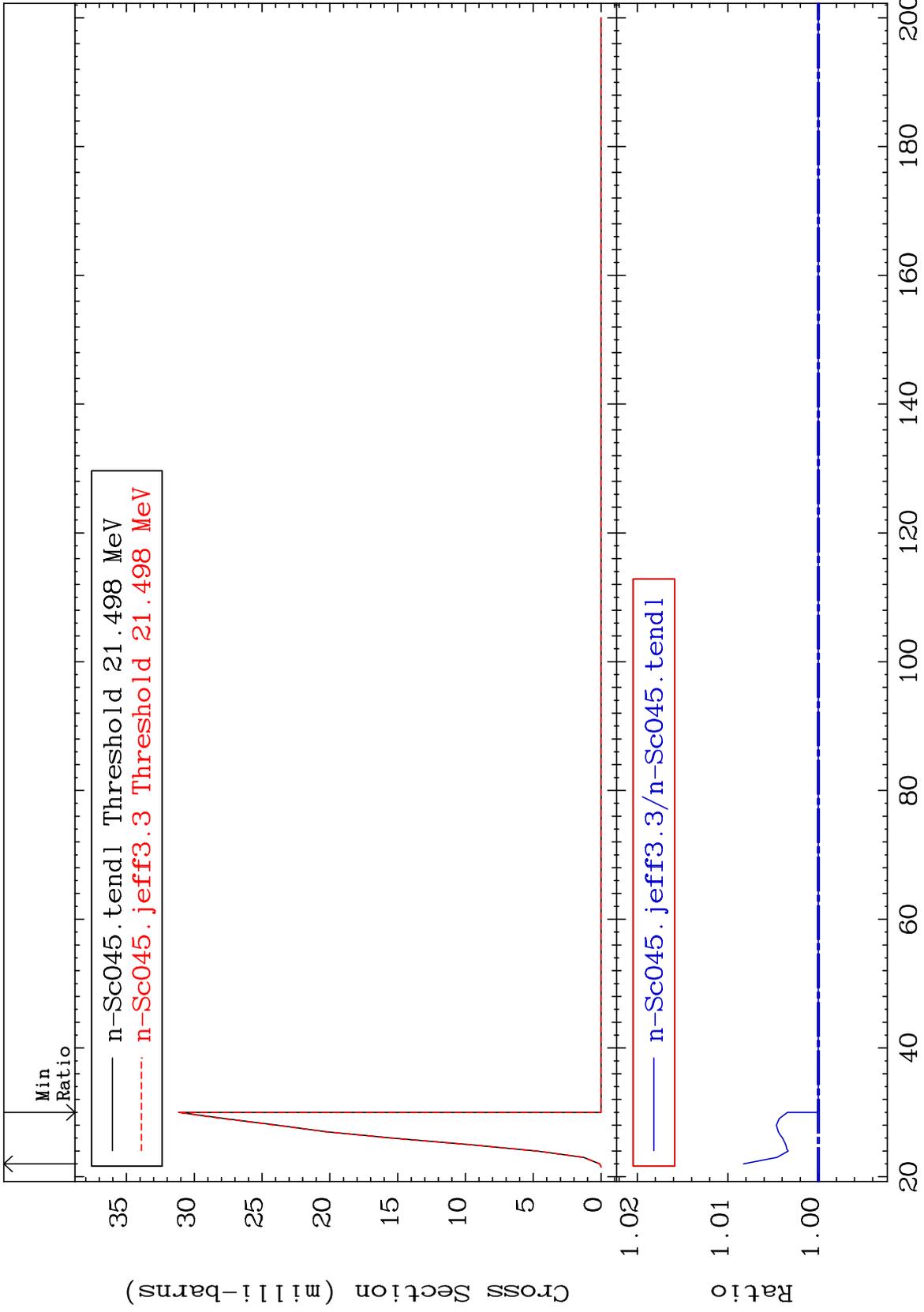
21-Sc-45  
0.000 To 2.635 %



MAT 2125

(n,3n)  
Cross Section

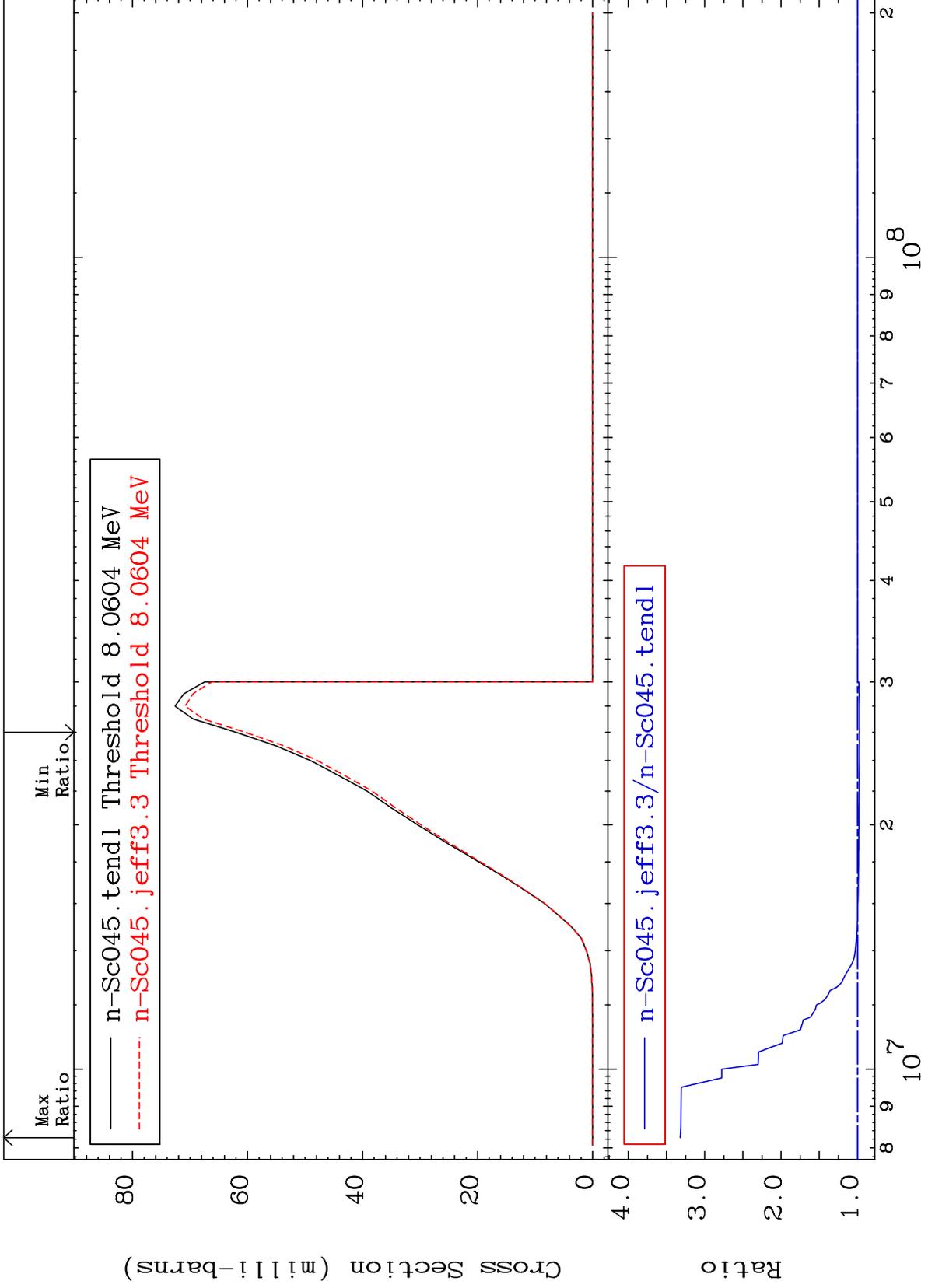
21-Sc-45  
0.000 To 0.826 %



MAT 2125

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

21-Sc-45  
-2.569 To 231.9 %

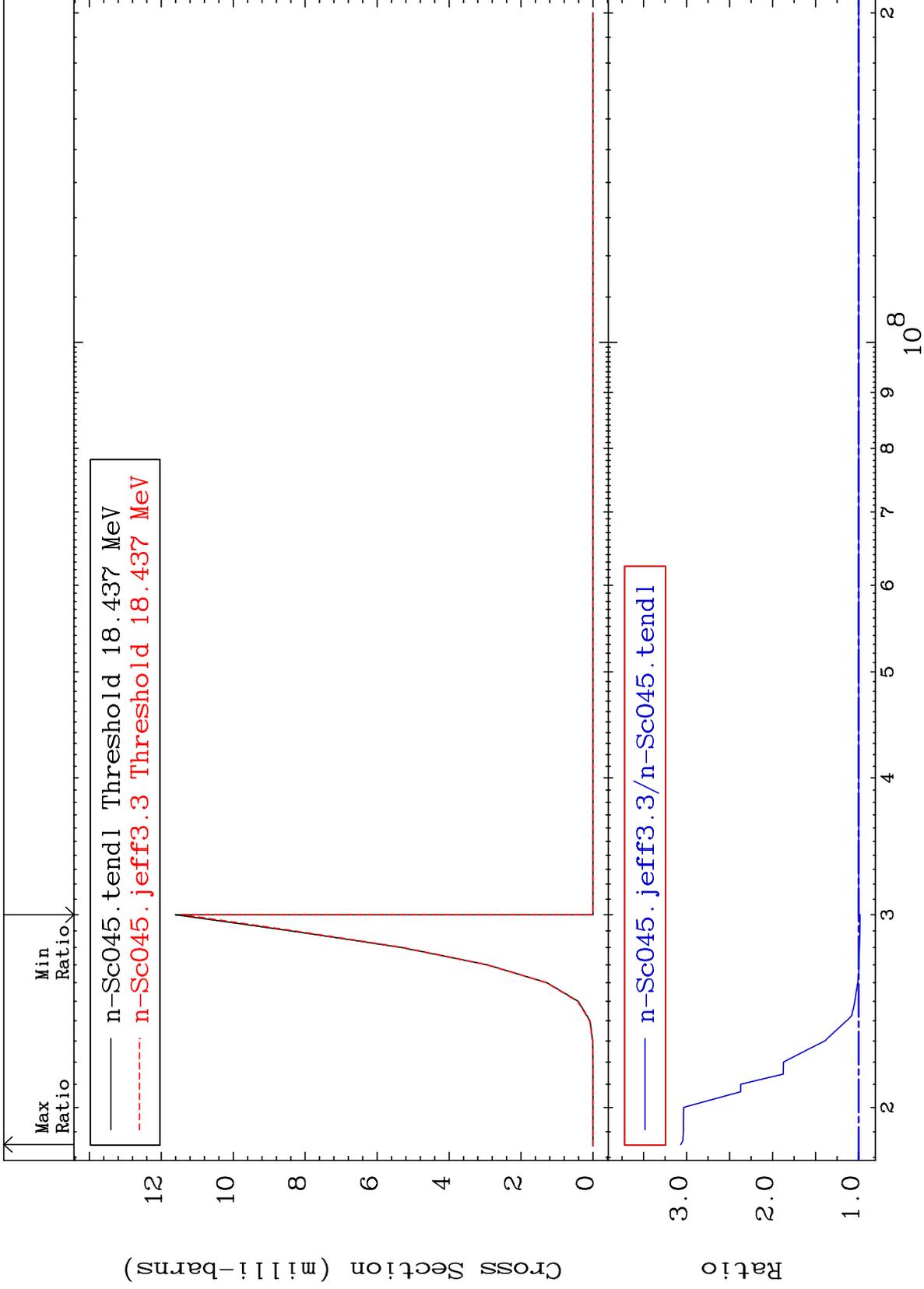


7

MAT 2125

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

21-Sc-45  
-1.749 To 206.7 %



8

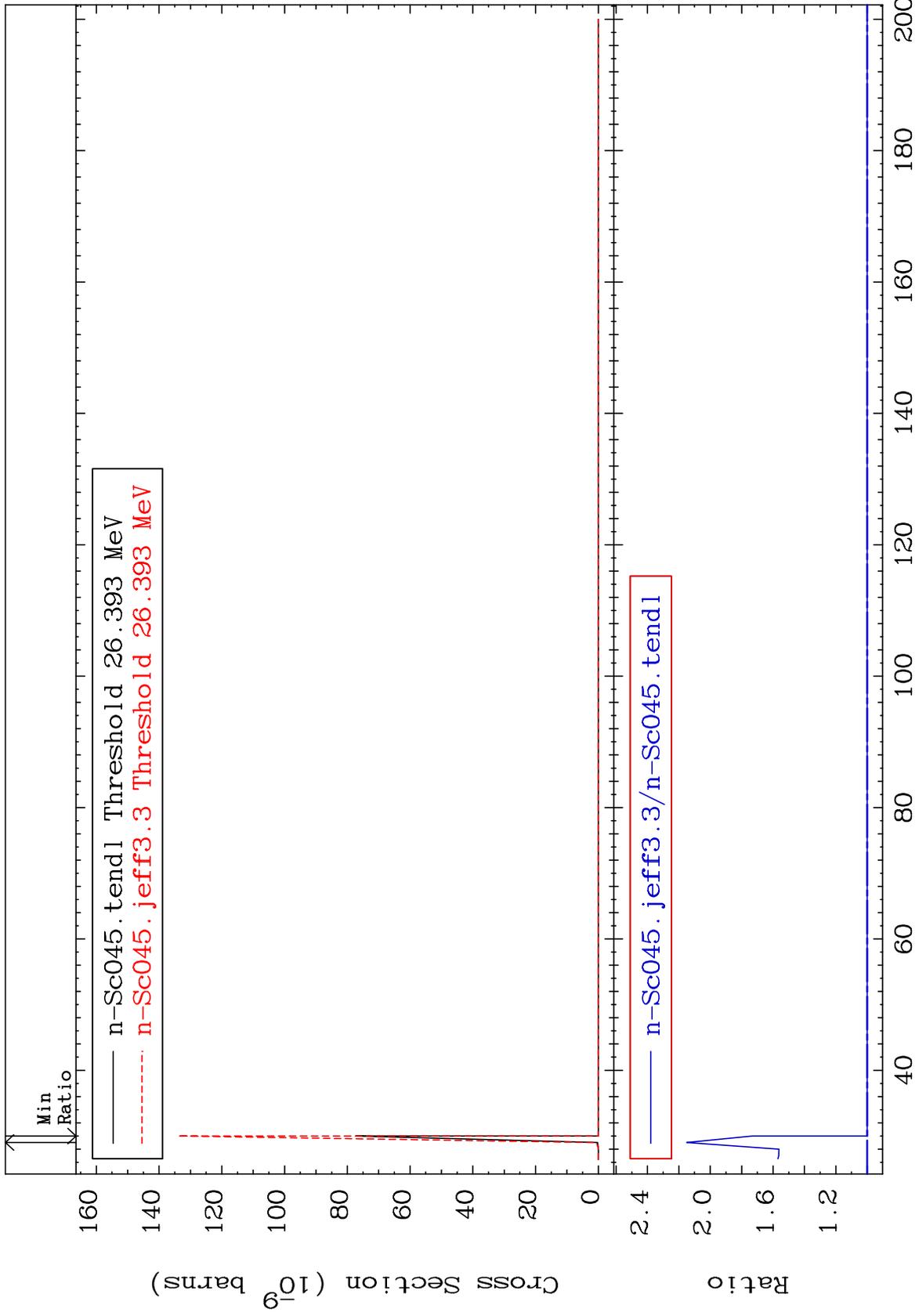
Incident Energy (eV)

21-Sc-45

MAT 2125

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

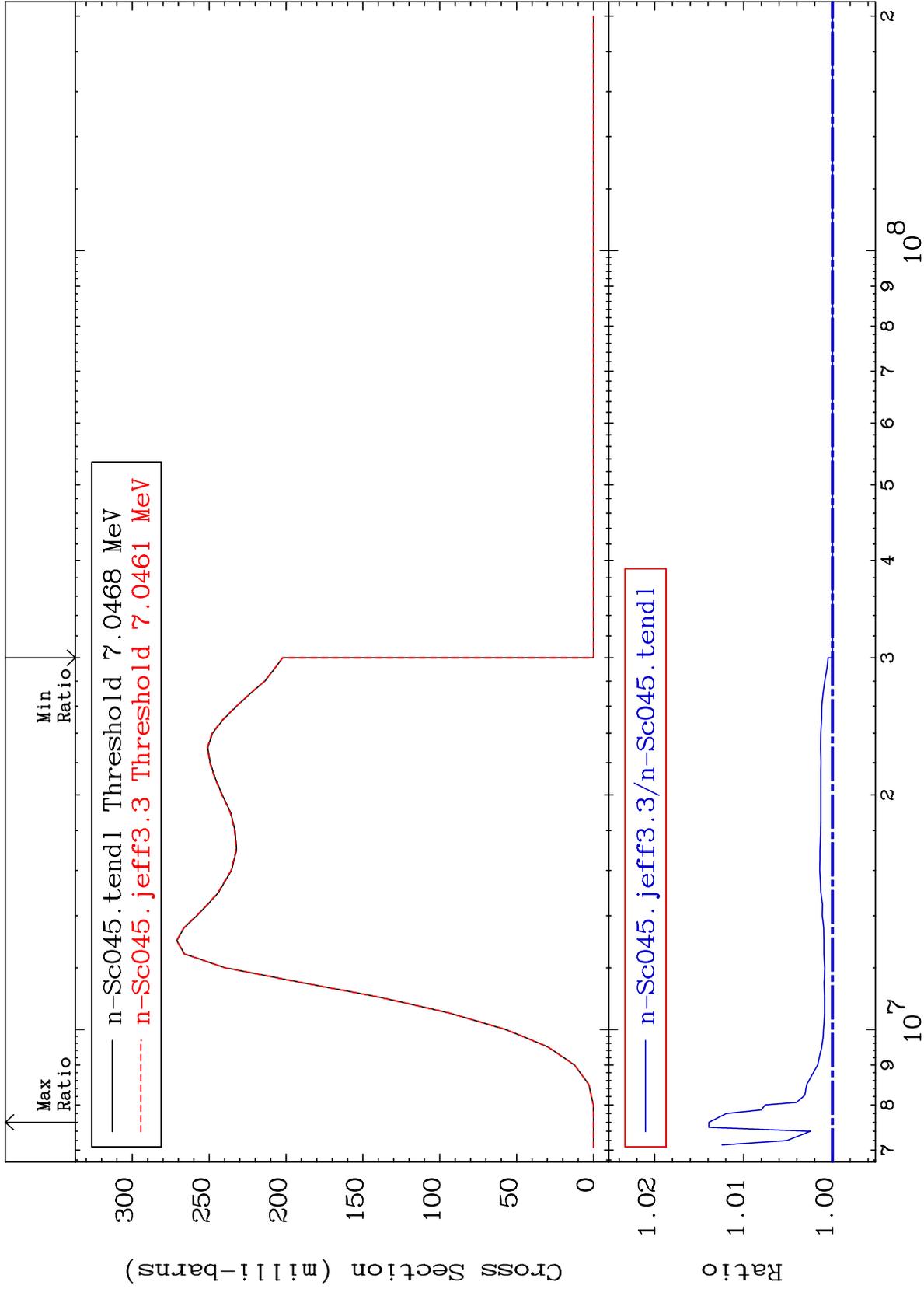
21-Sc-45  
0.000 To 115.0 %



MAT 2125

(n,n') p  
Cross Section

21-Sc-45  
To 1.390 %  
0.000



10

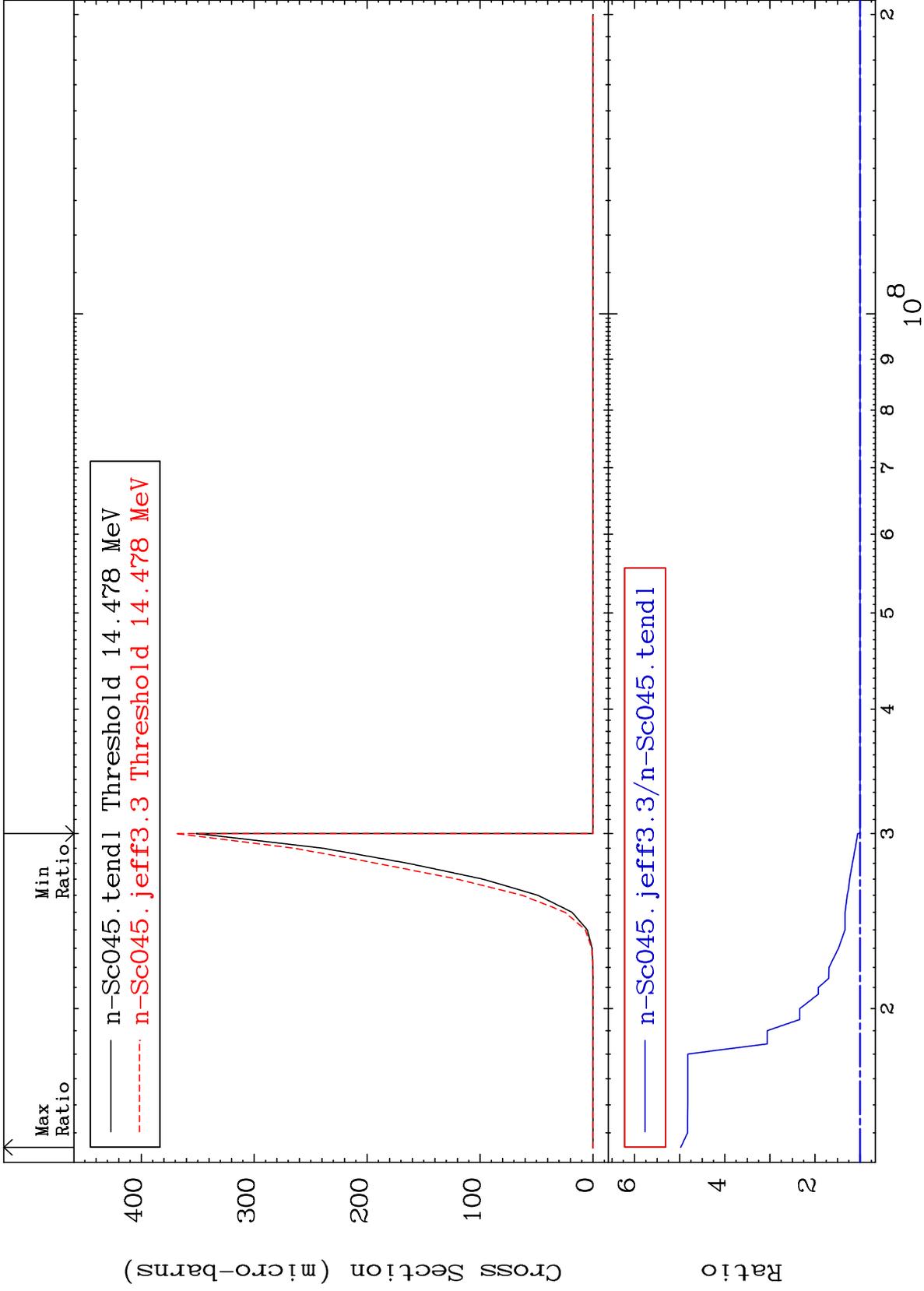
Incident Energy (eV)

21-Sc-45

MAT 2125

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

21-Sc-45  
0.000 To 397.6 %



— n-Sc045.tendl Threshold 14.478 MeV  
- - - n-Sc045.jeff3.3 Threshold 14.478 MeV

— n-Sc045.jeff3.3/n-Sc045.tendl

MAT 2125

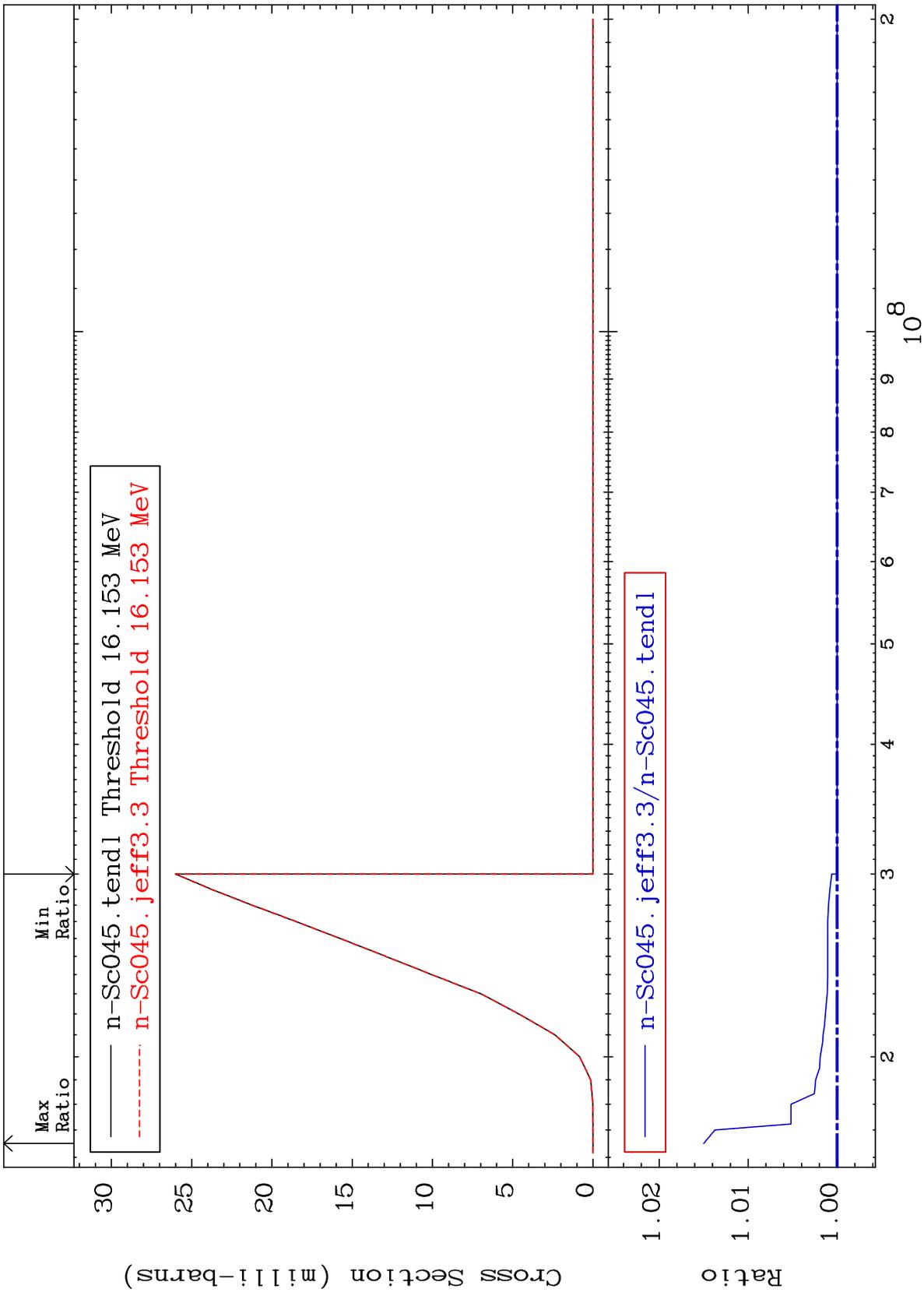
(n,n') d

21-Sc-45

Cross Section

0.000

To 1.499 %



12

Incident Energy (eV)

21-Sc-45

MAT 2125

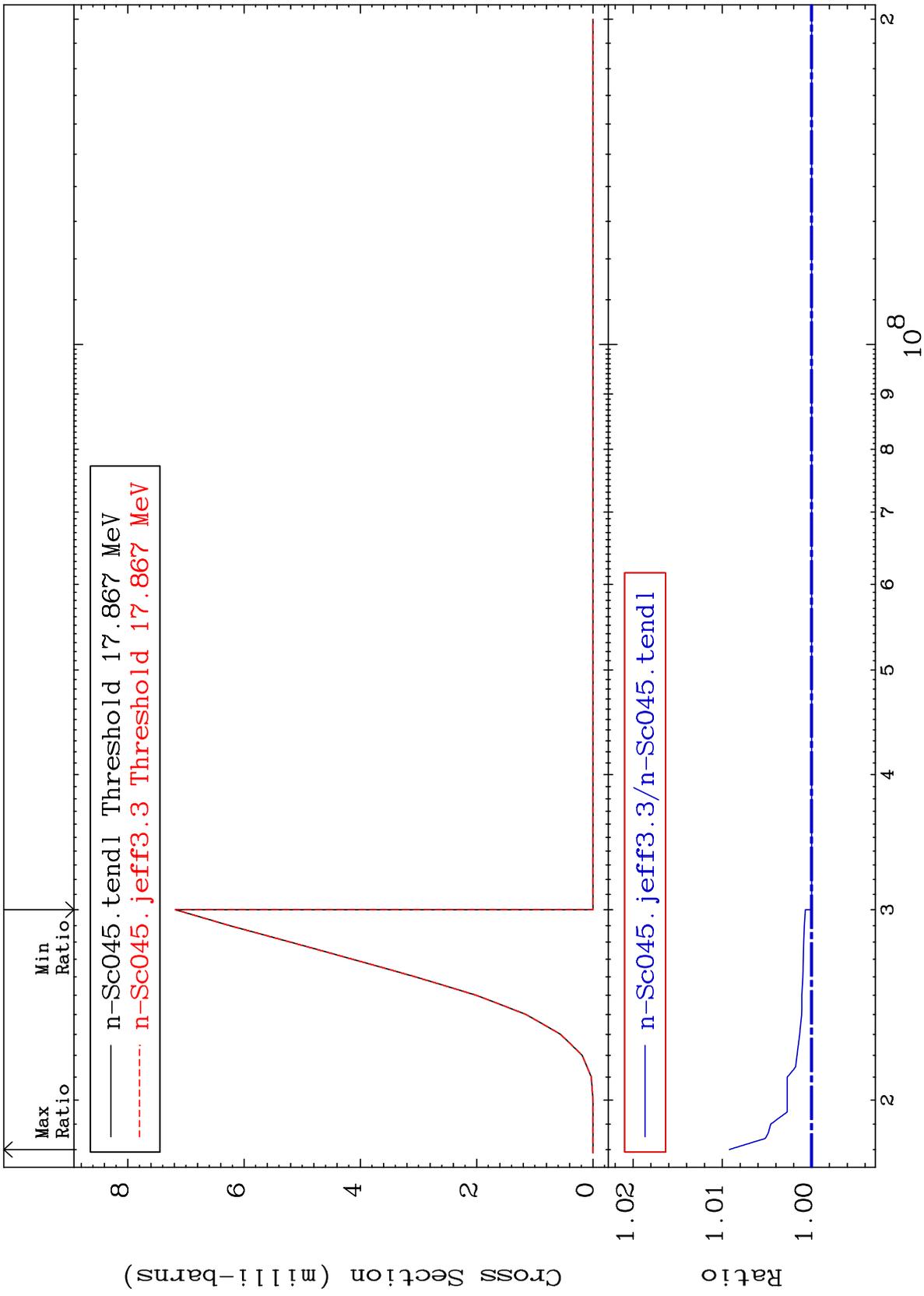
(n,n') t

21-Sc-45

Cross Section

0.000

To 0.922 %



13

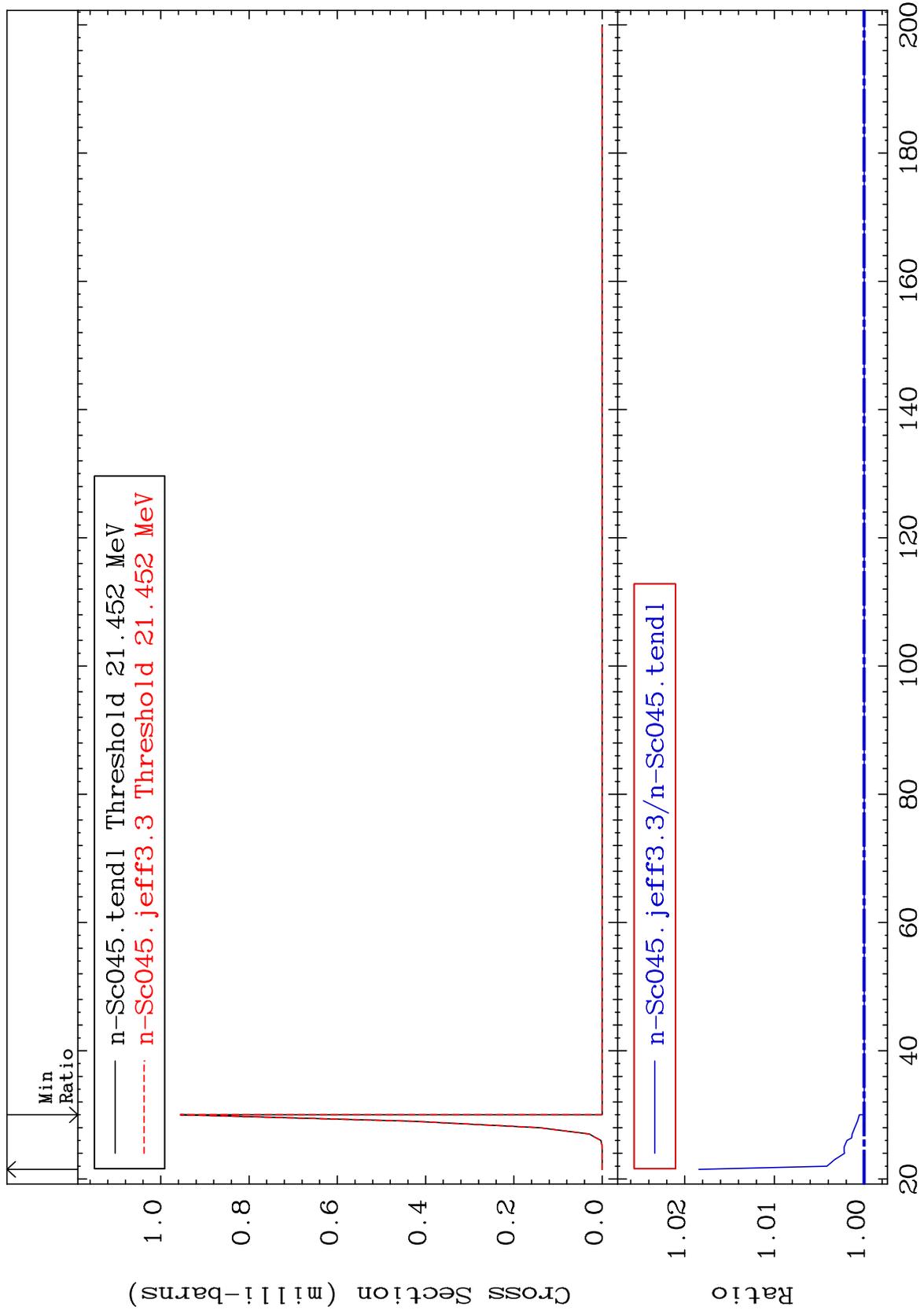
21-Sc-45

21-Sc-45

MAT 2125

(n, n') He-3  
Cross Section

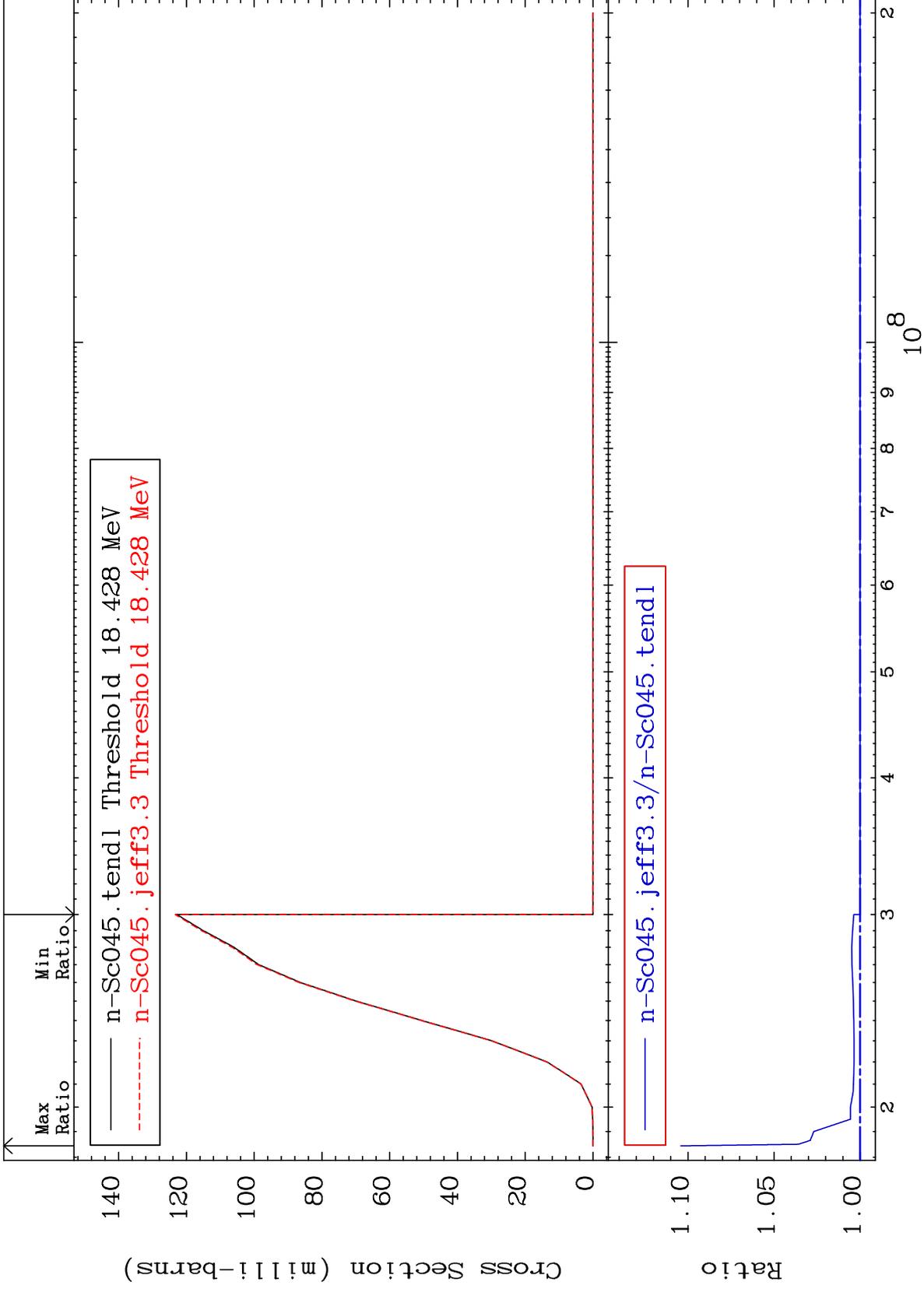
21-Sc-45  
0.000 To 1.843 %



MAT 2125

(n,2n) p  
Cross Section

21-Sc-45  
0.000 To 10.42 %



15

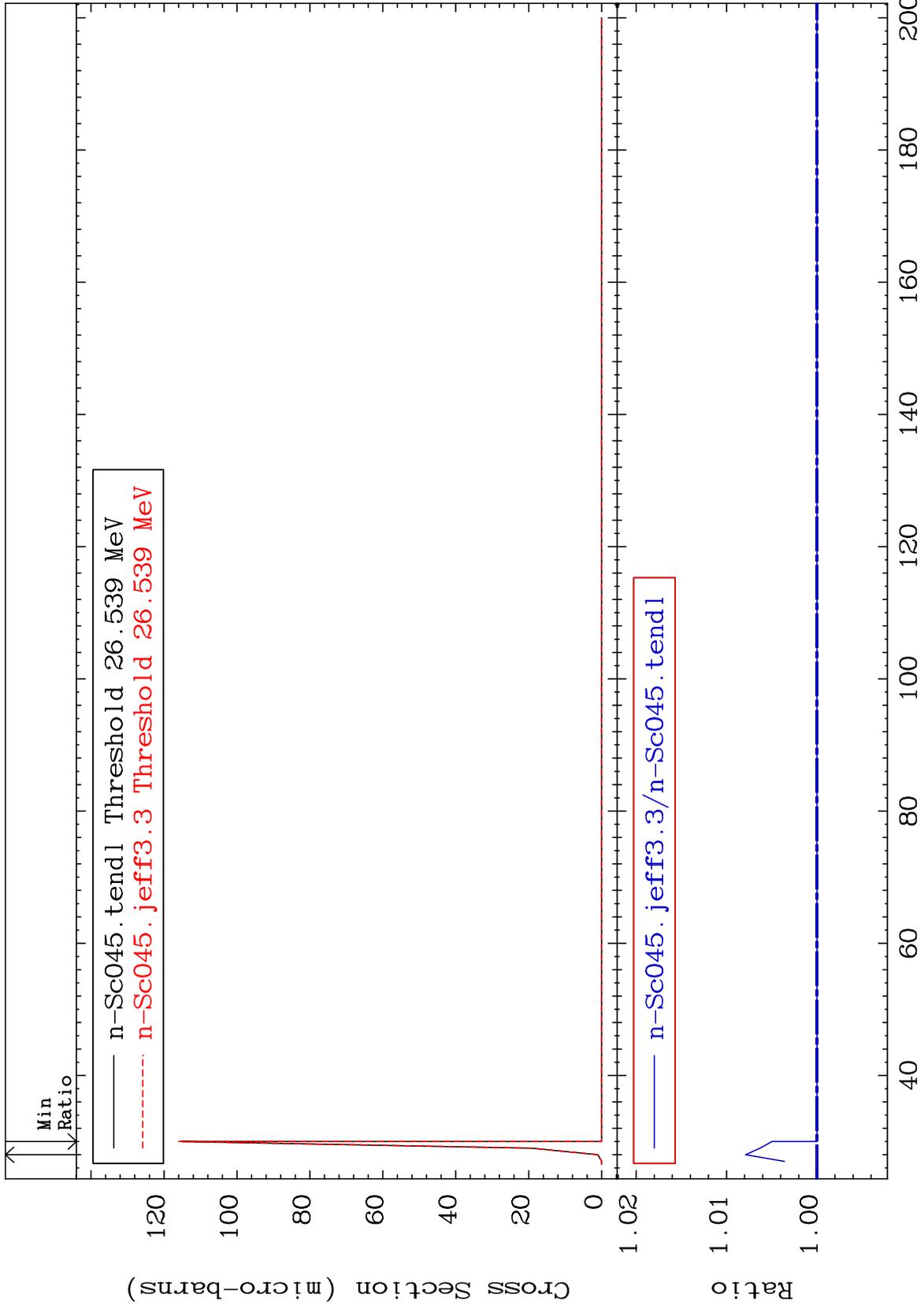
Incident Energy (eV)

21-Sc-45

MAT 2125

(n,3n) p  
Cross Section

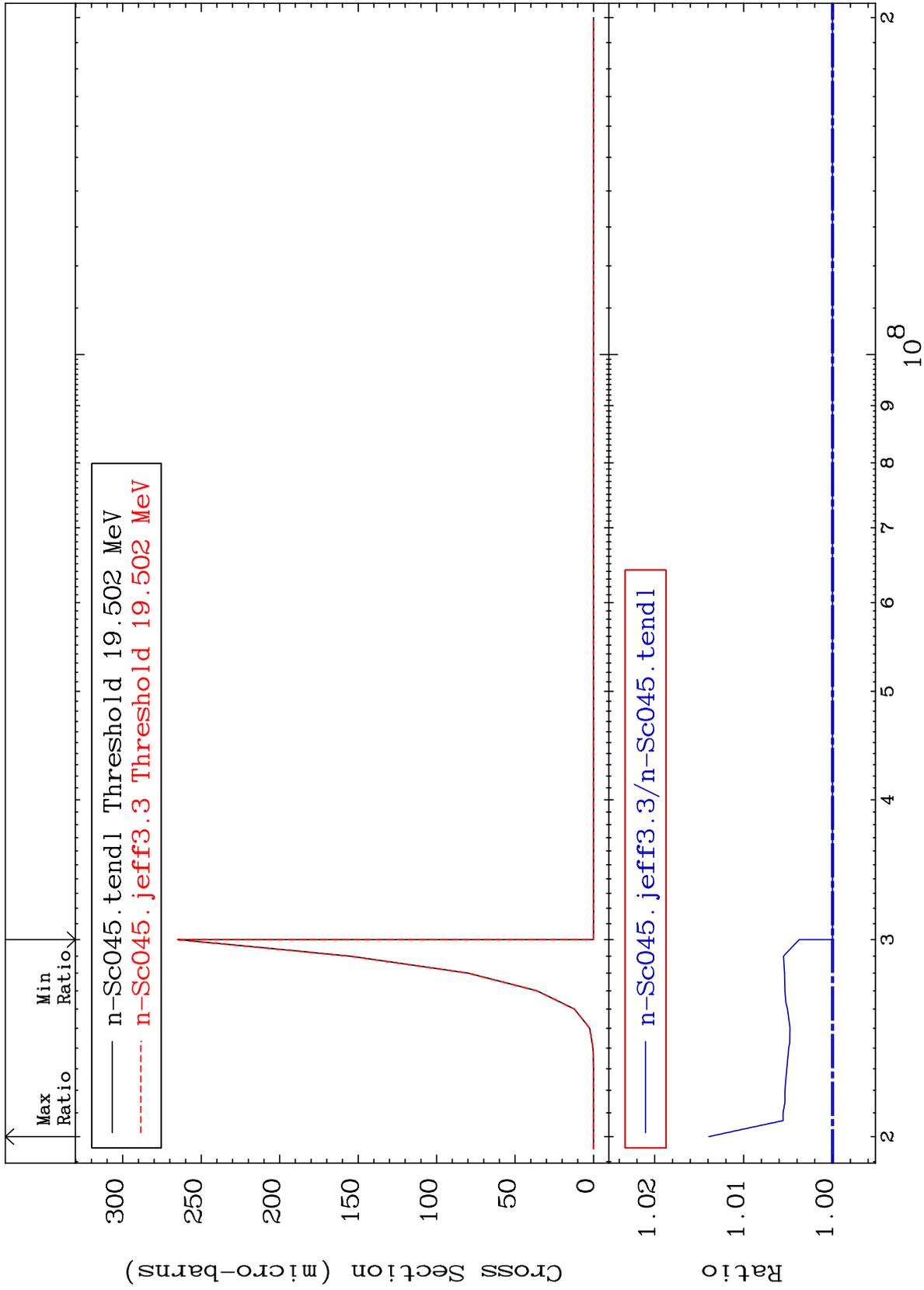
21-Sc-45  
0.000 To 0.790 %



MAT 2125

(n,2n) p  
Cross Section

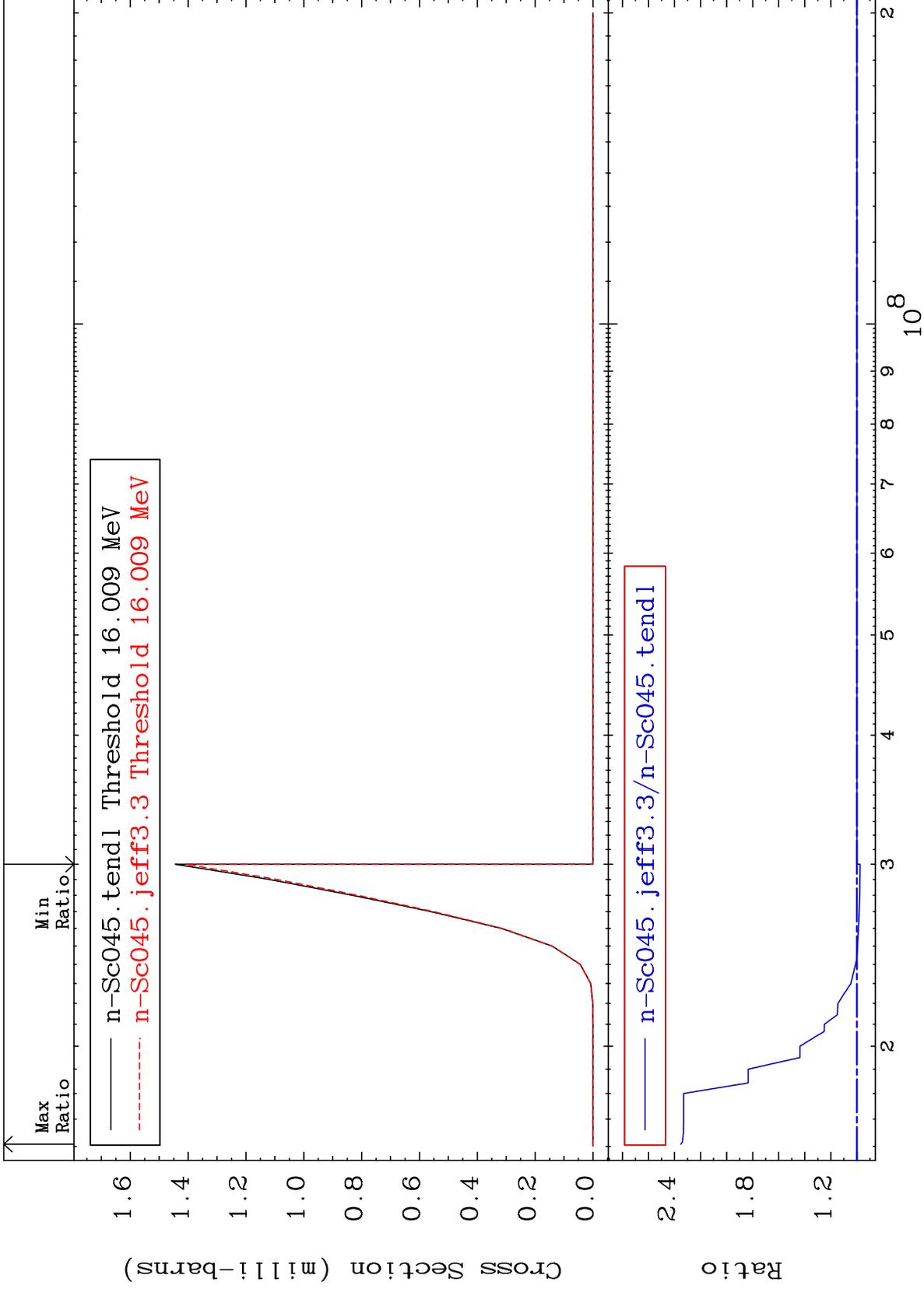
21-Sc-45  
0.000 To 1.392 %



17

Incident Energy (eV)

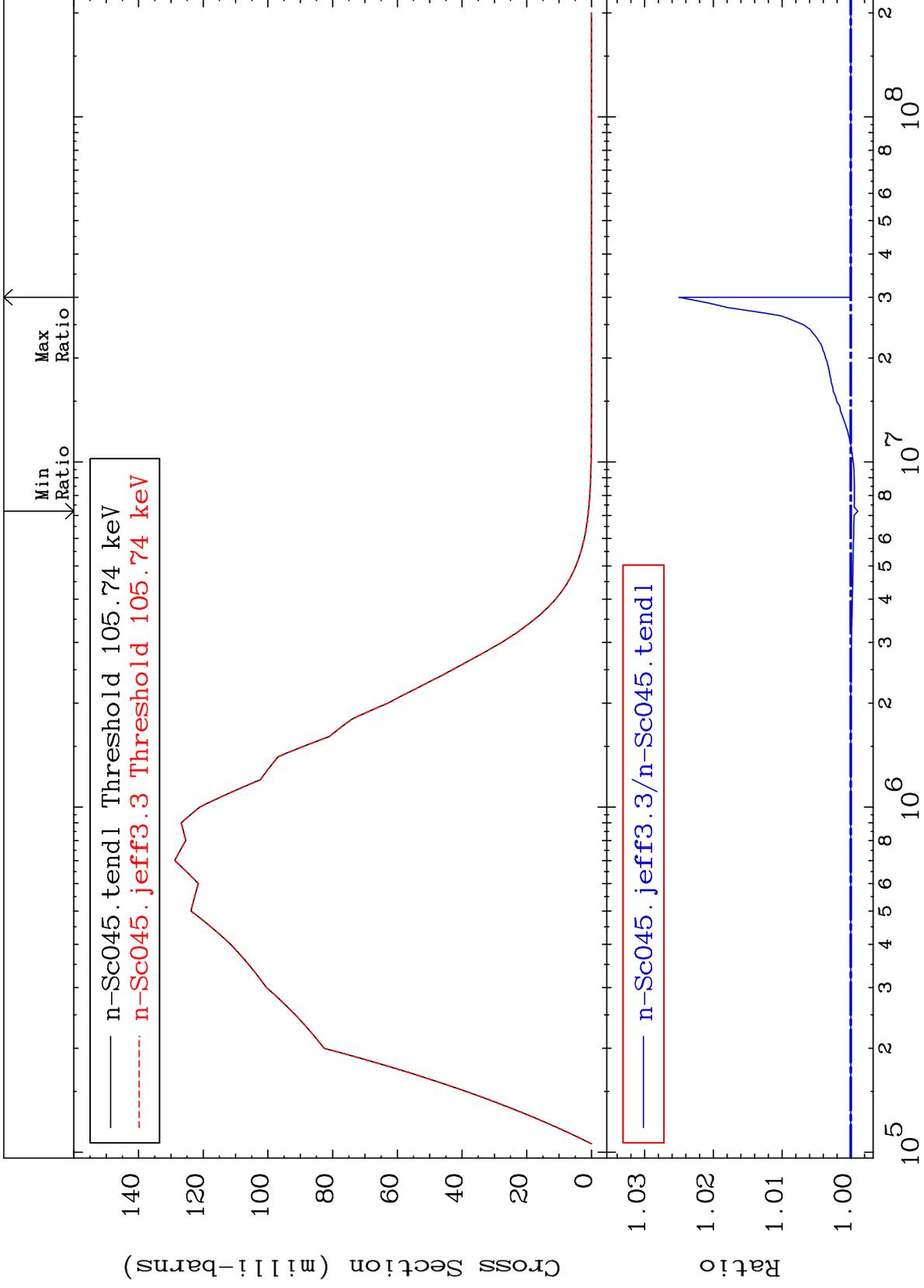
21-Sc-45



MAT 2125

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

21-Sc-45  
-0.104 To 2.499 %



19

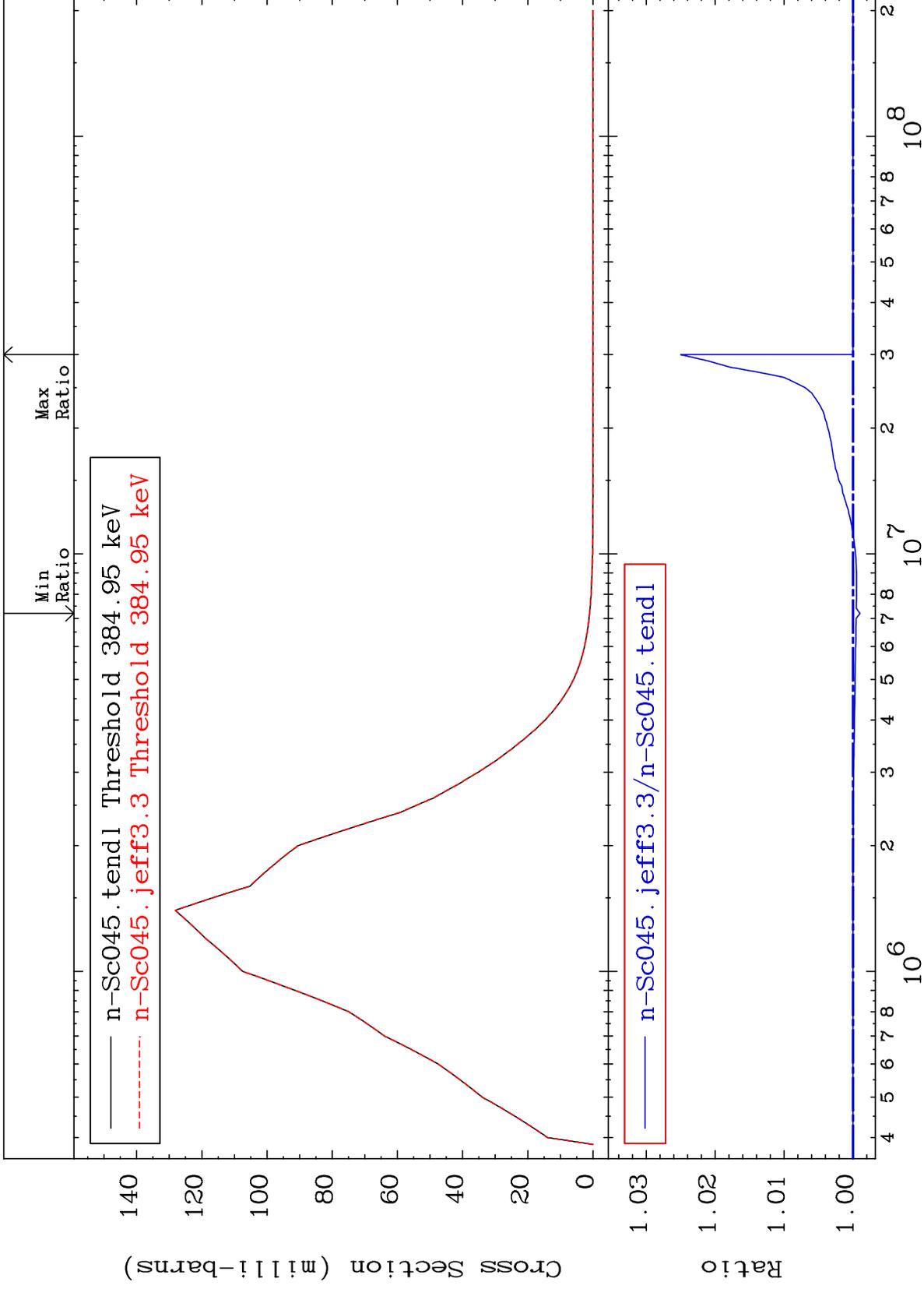
Incident Energy (eV)

21-Sc-45

MAT 2125

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

21-Sc-45  
-0.104 To 2.499 %



20

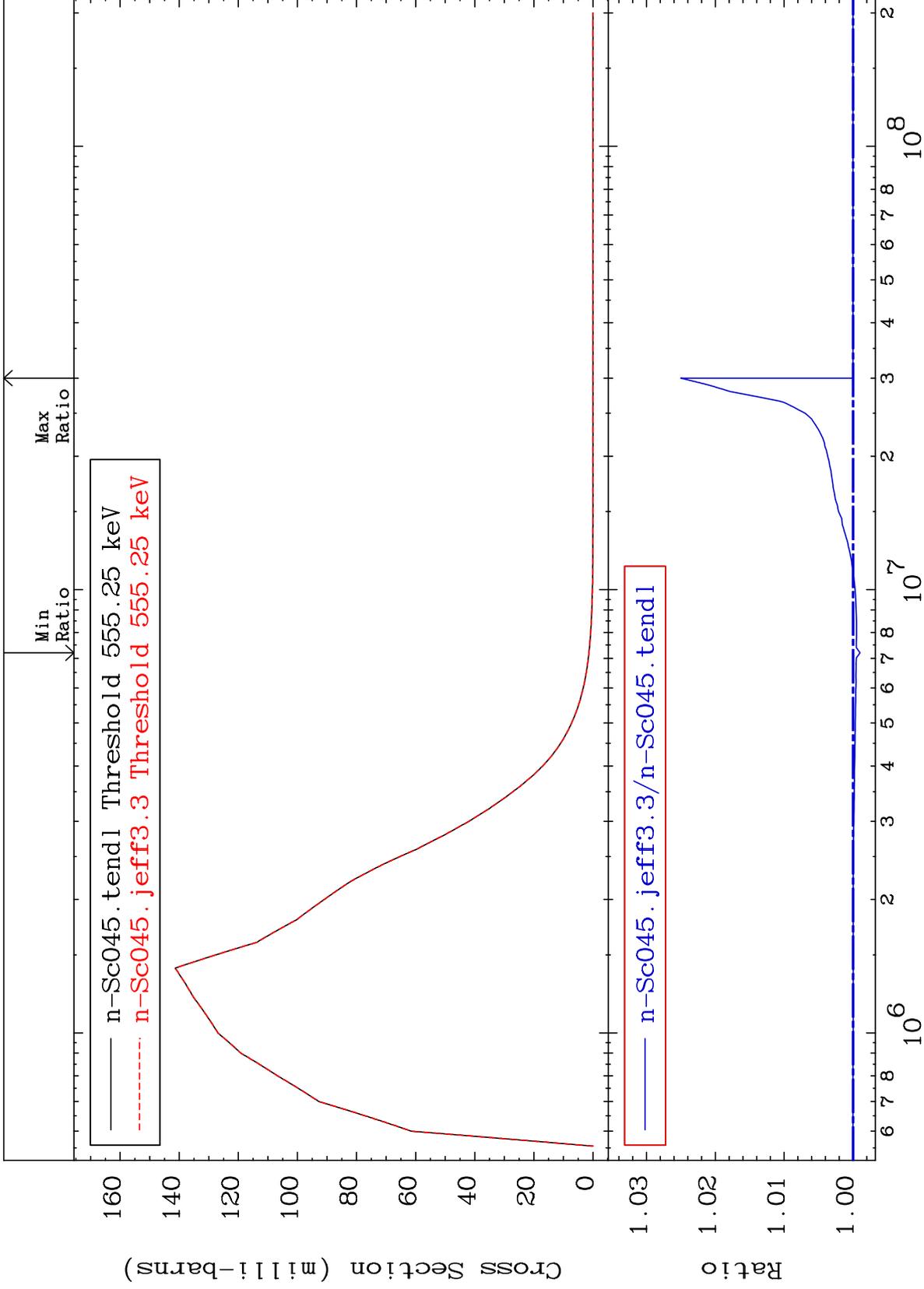
Incident Energy (eV)

21-Sc-45

MAT 2125

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

21-Sc-45  
-0.102 To 2.501 %



21

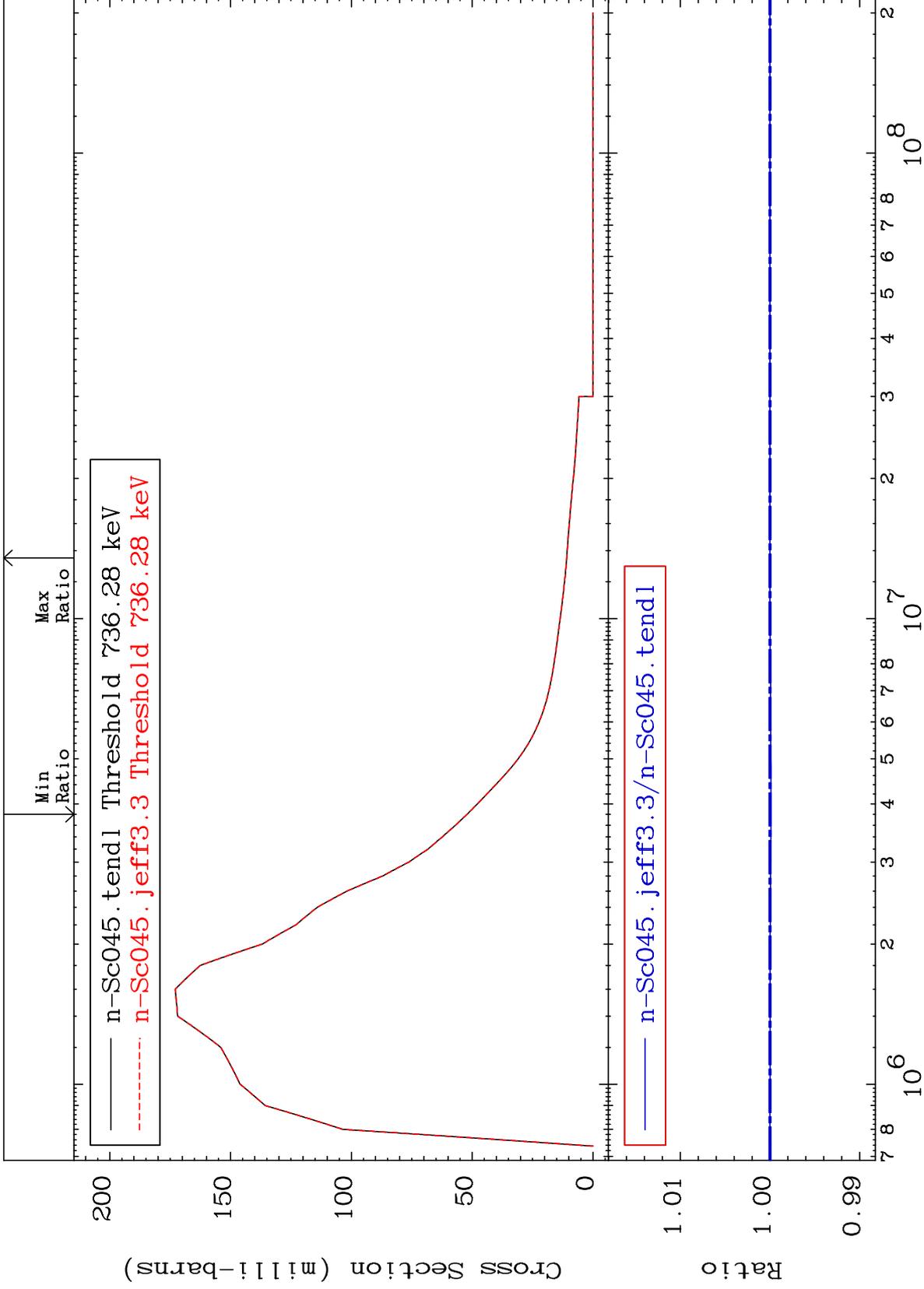
Incident Energy (eV)

21-Sc-45

MAT 2125

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

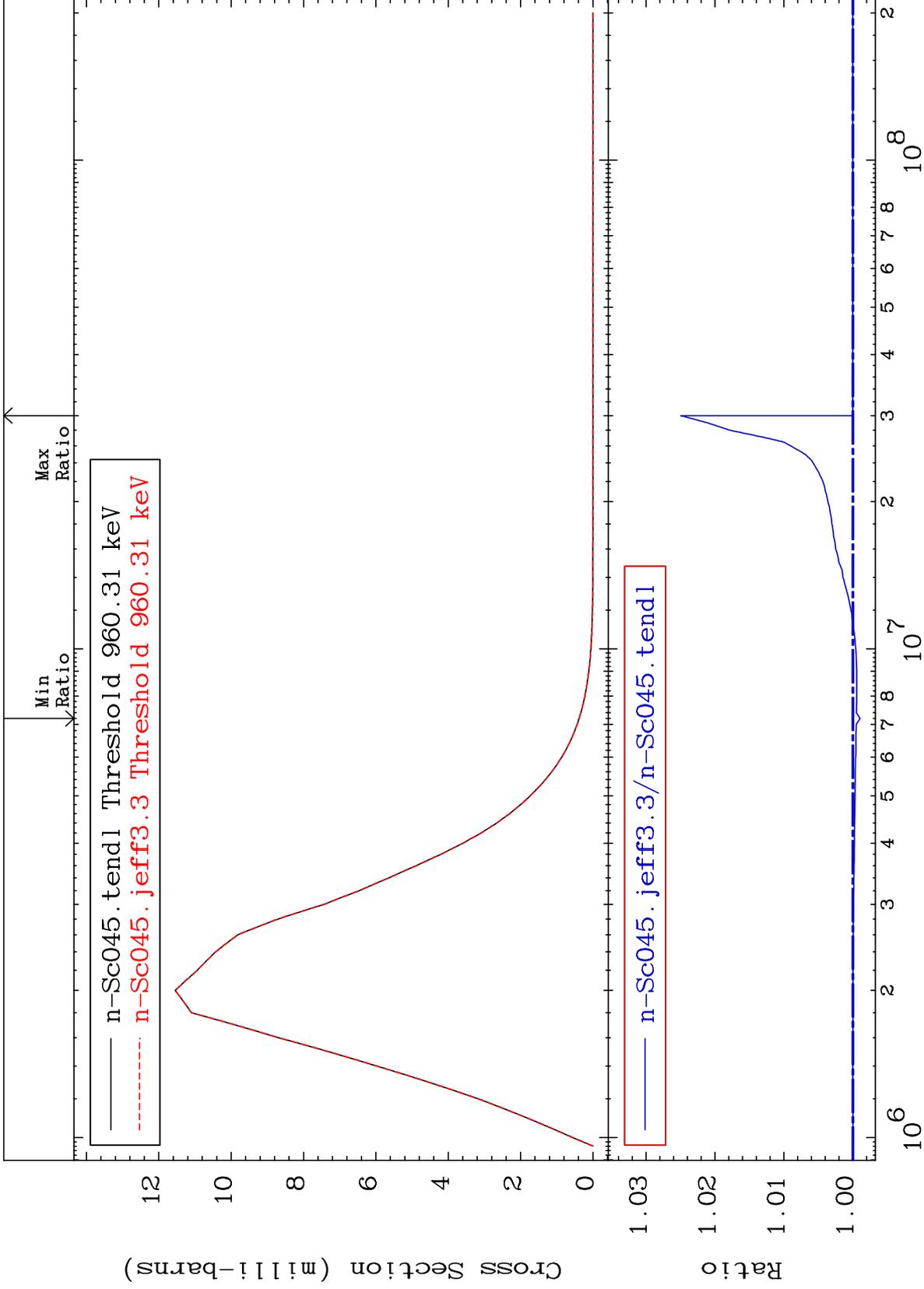
21-Sc-45  
-0.011 To 0.000 %



MAT 2125

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

21-Sc-45  
-0.105 To 2.498 %



23

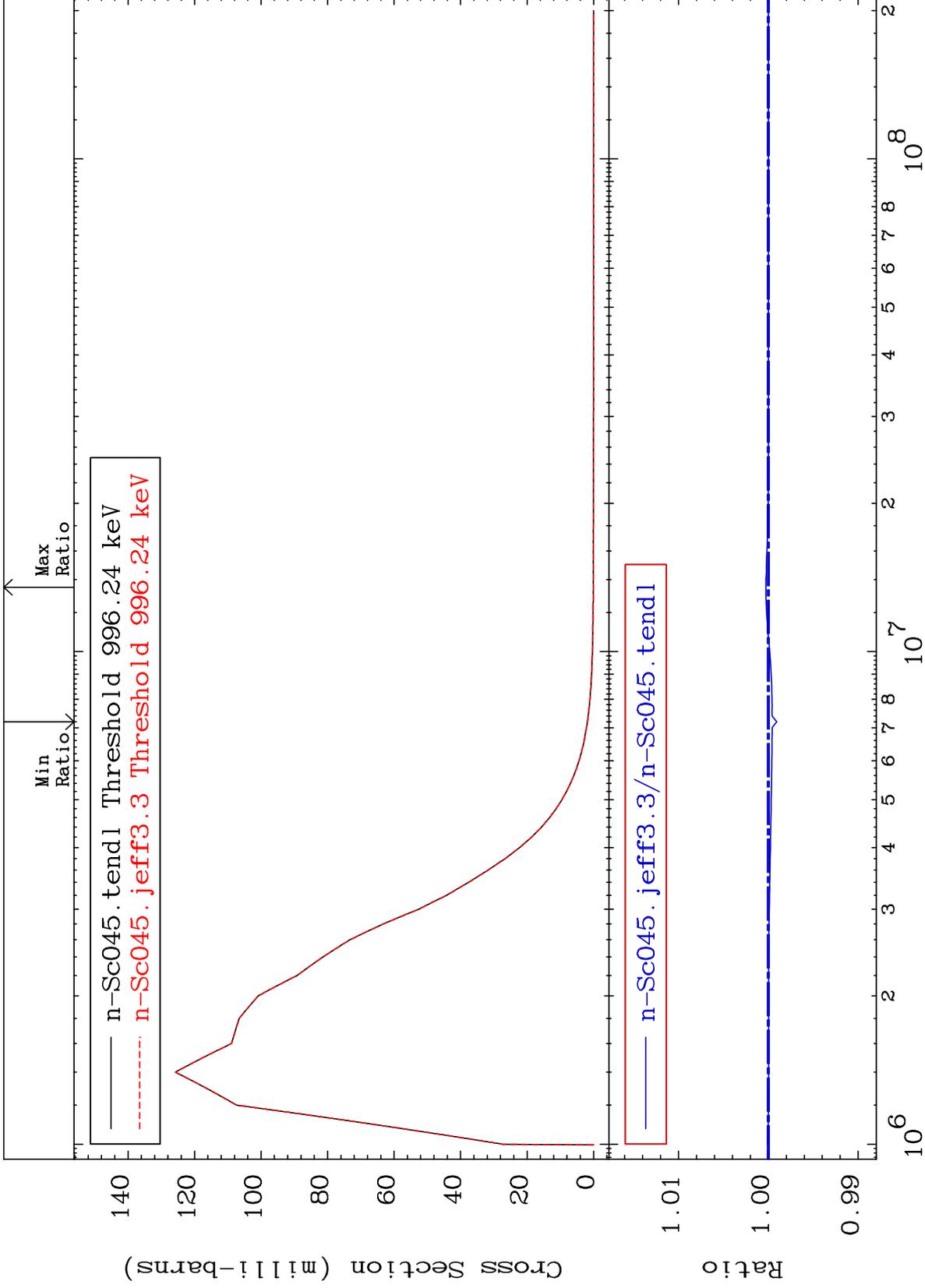
Incident Energy (eV)

21-Sc-45

MAT 2125

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

21-Sc-45  
-0.093 To 0.028 %



24

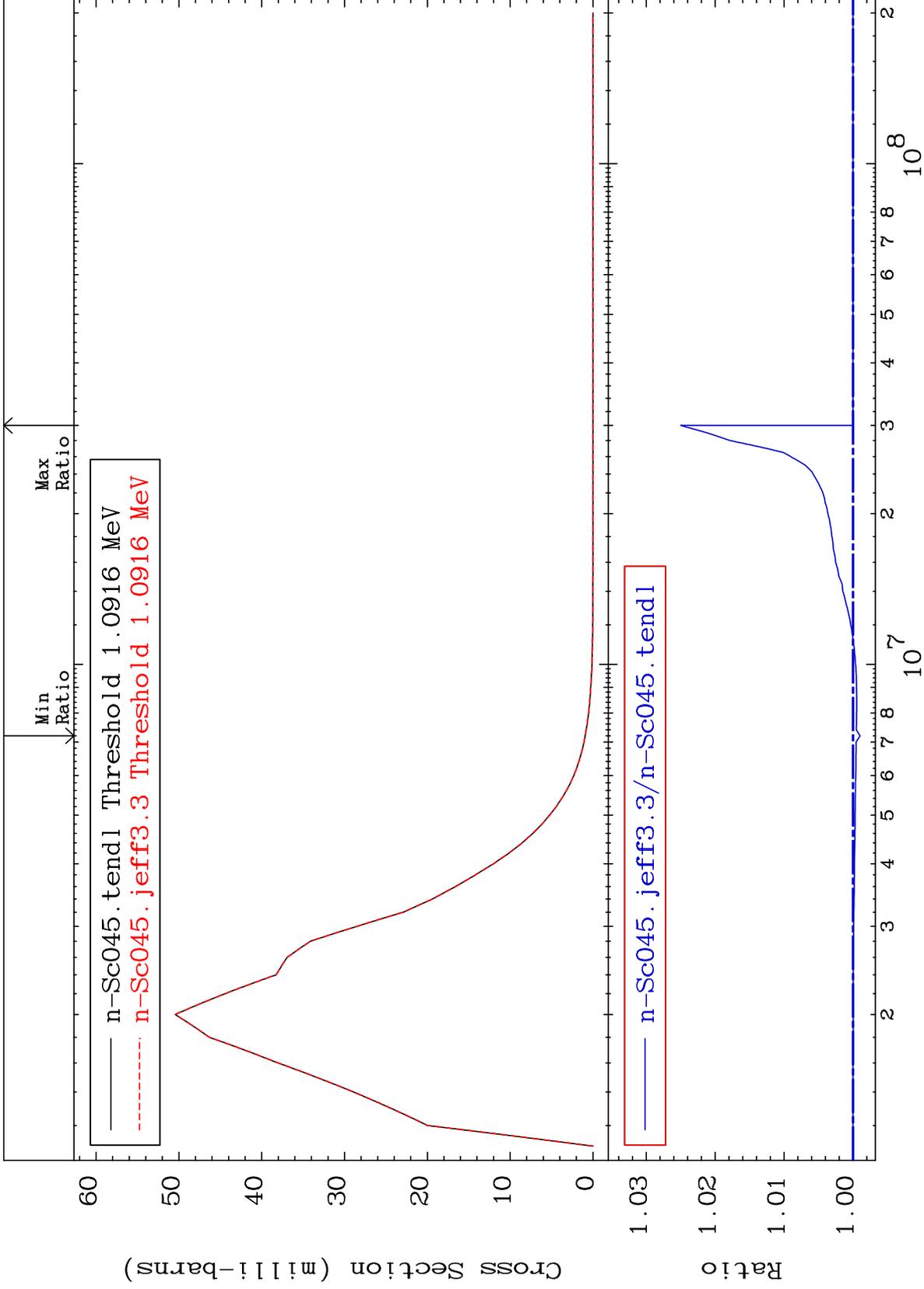
Incident Energy (eV)

21-Sc-45

MAT 2125

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

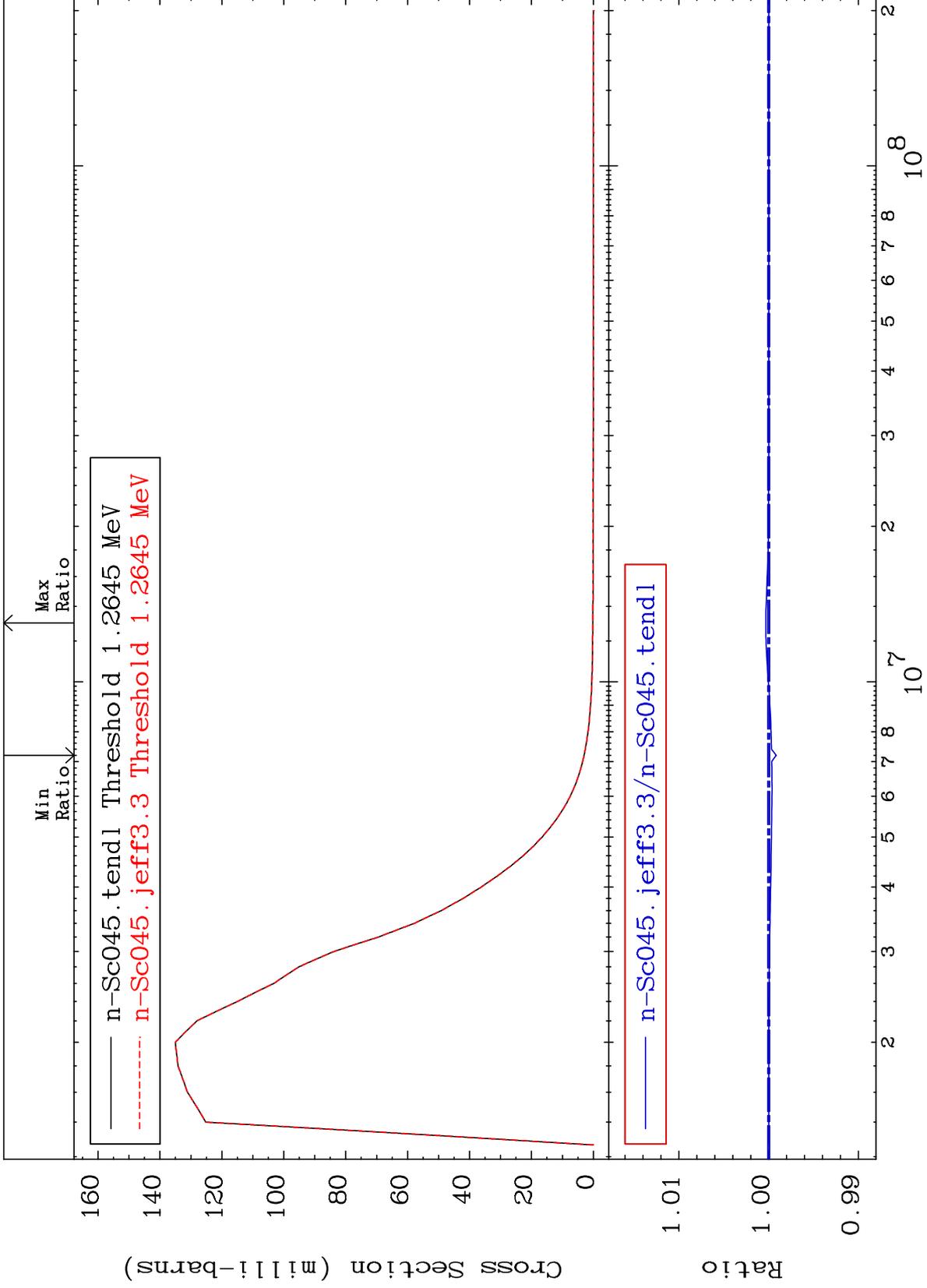
21-Sc-45  
-0.103 To 2.499 %



MAT 2125

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

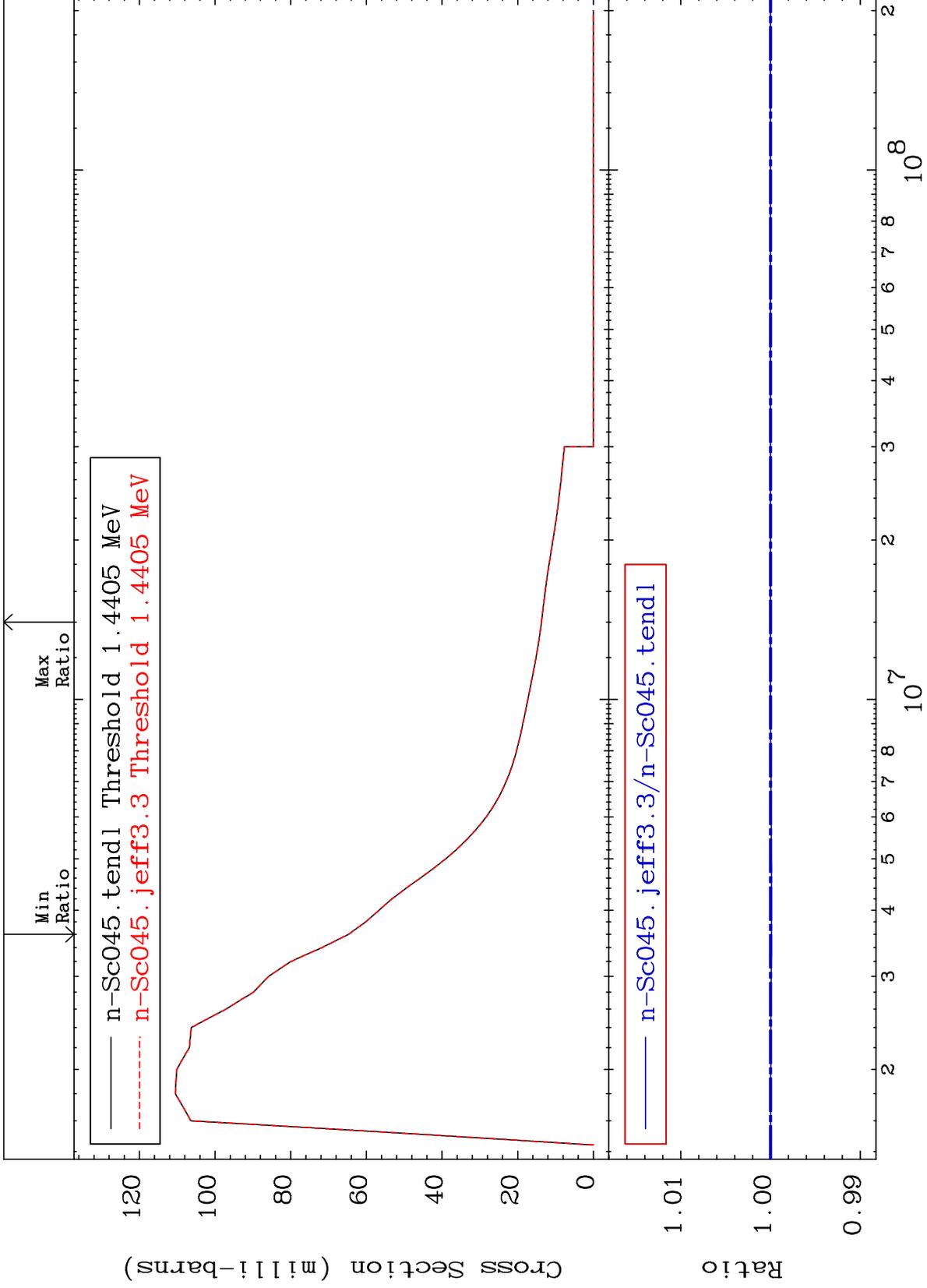
21-Sc-45  
-0.084 To 0.033 %



MAT 2125

MT= 61 (n,n') Level  
Cross Section

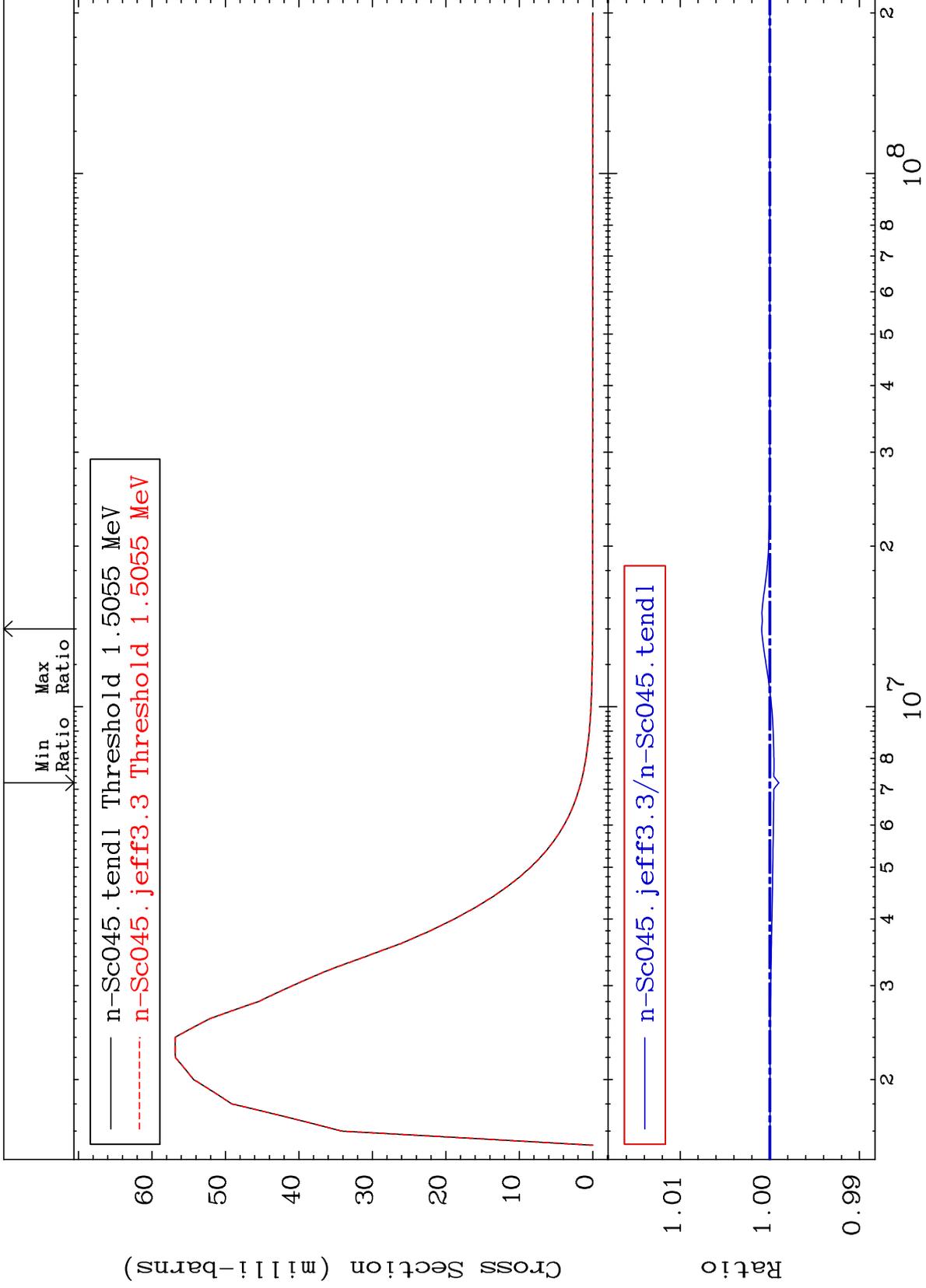
21-Sc-45  
-0.011 To 0.000 %



MAT 2125

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

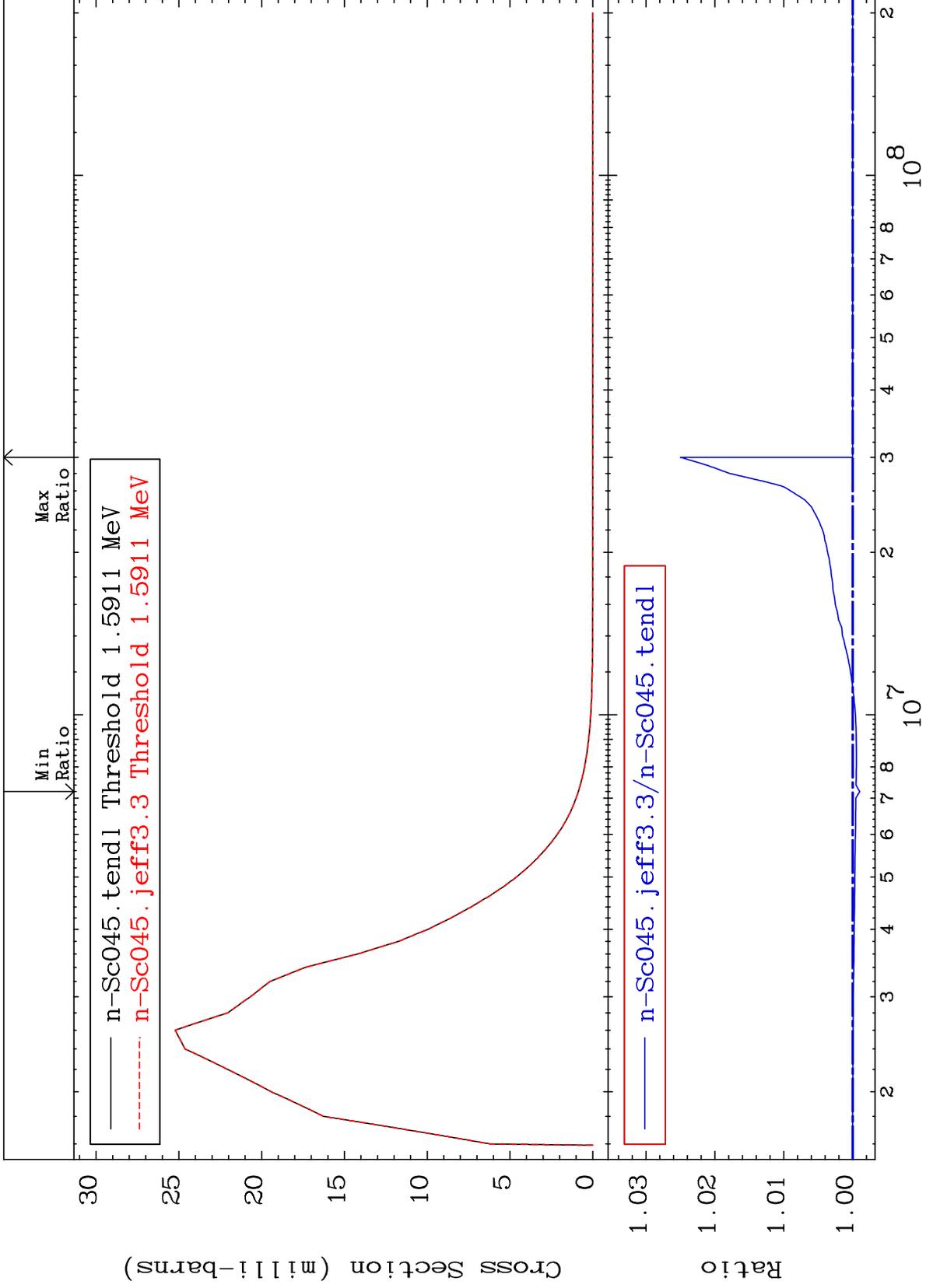
21-Sc-45  
-0.099 To 0.092 %



MAT 2125

MT= 64 (n,n') Level  
Cross Section

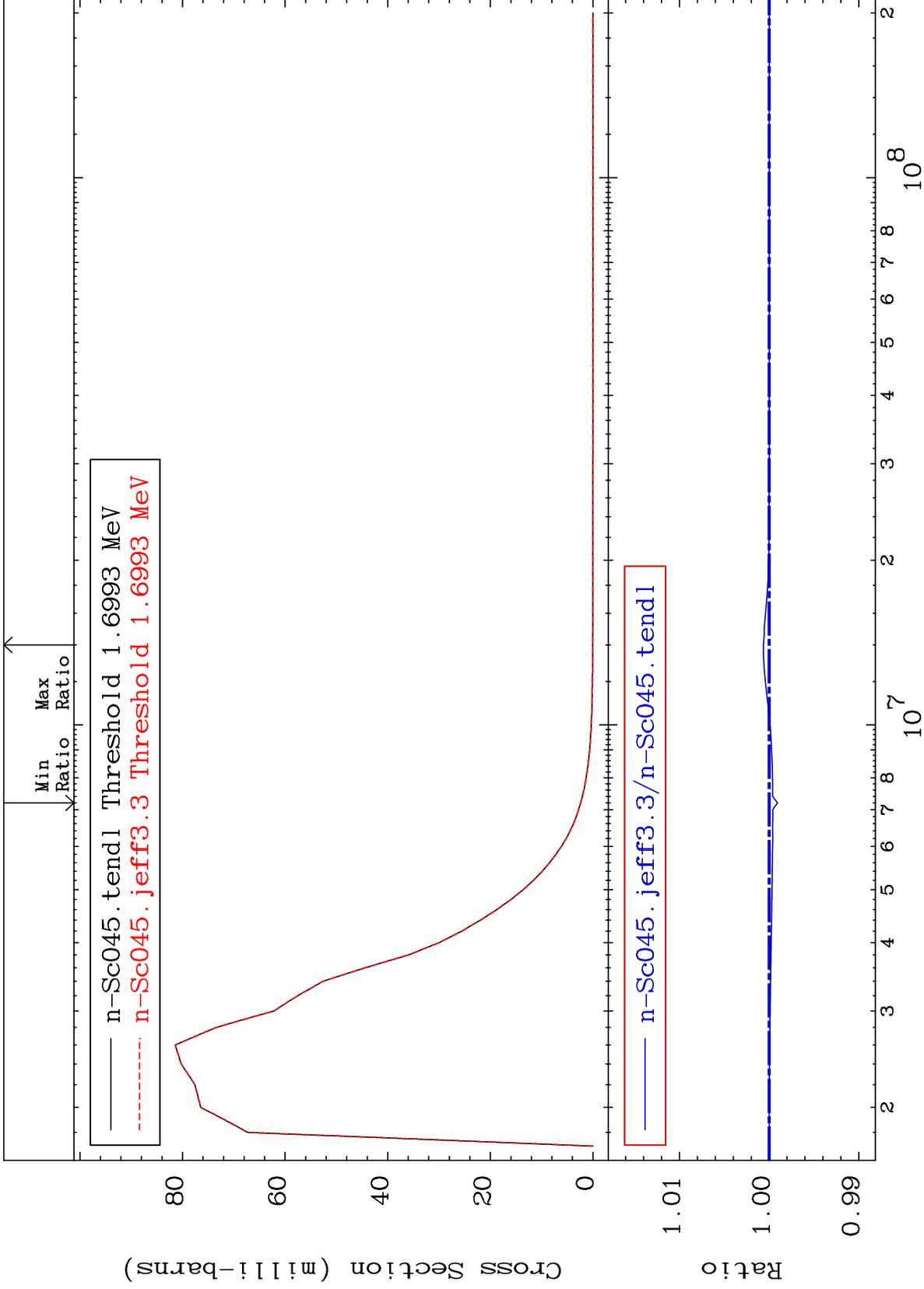
21-Sc-45  
-0.103 To 2.499 %



MAT 2125

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

21-Sc-45  
-0.093 To 0.065 %



30

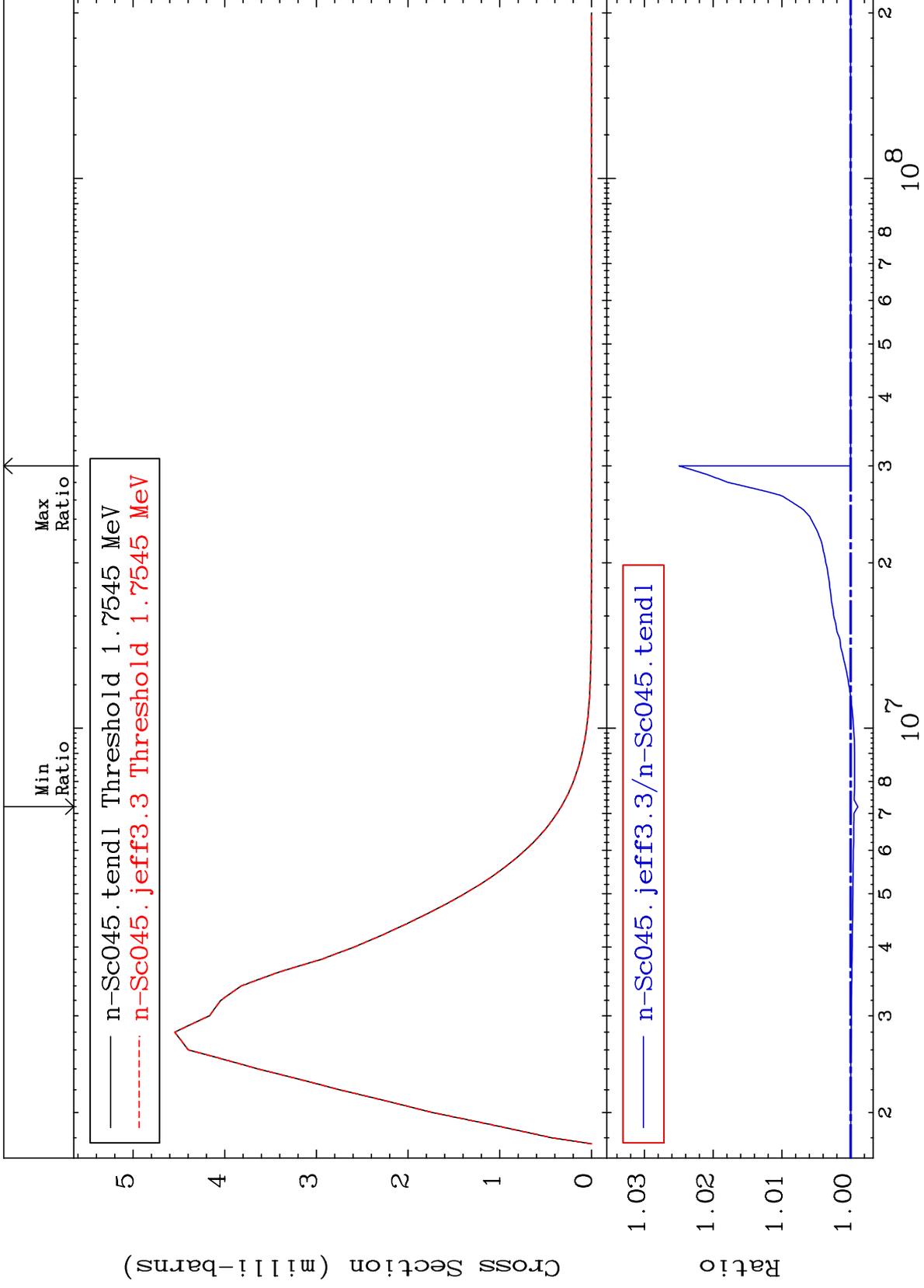
Incident Energy (eV)

21-Sc-45

MAT 2125

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

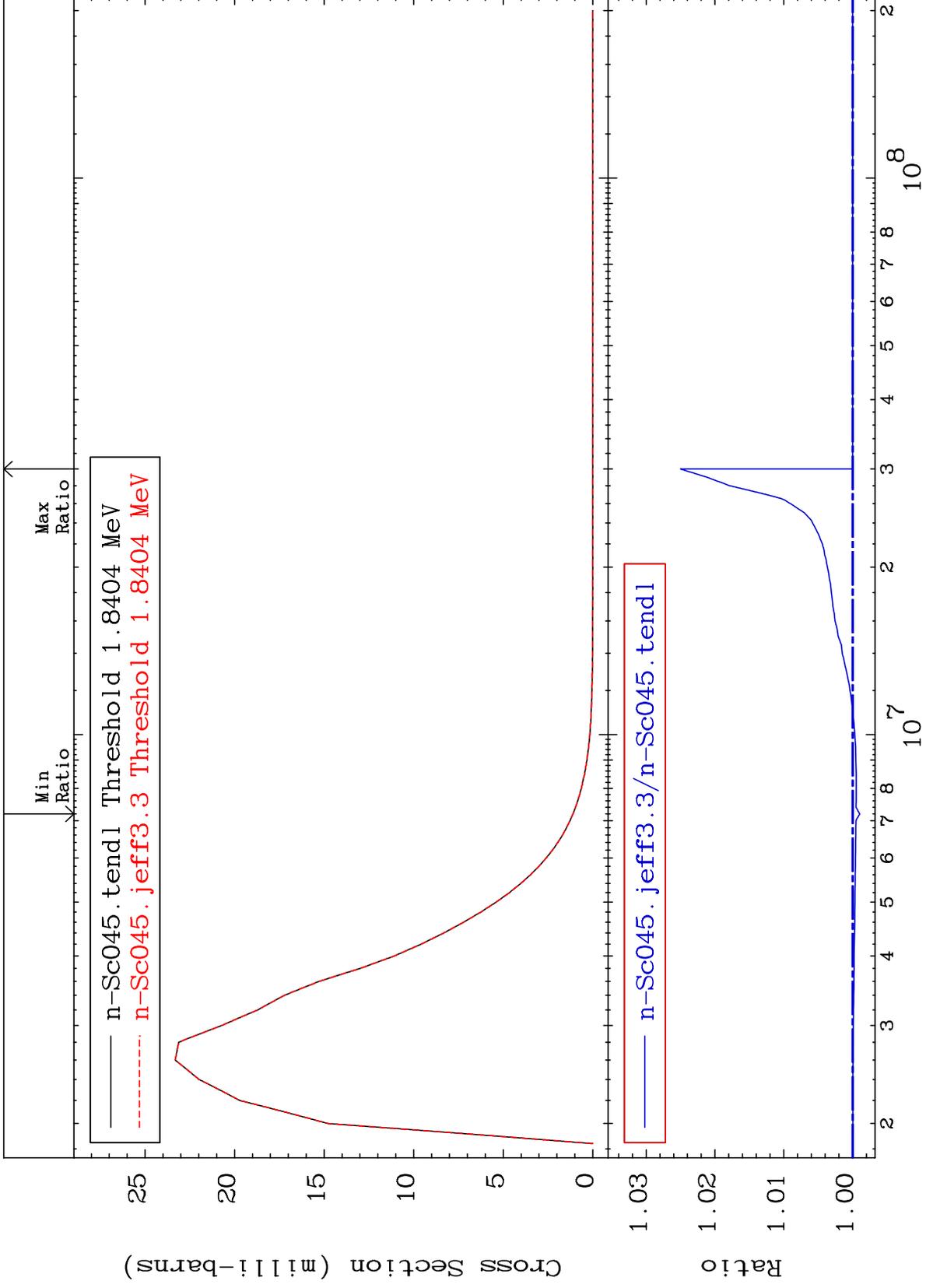
21-Sc-45  
-0.106 To 2.497 %



MAT 2125

MT= 67 (n,n') Level  
Cross Section

21-Sc-45  
-0.103 To 2.501 %



32

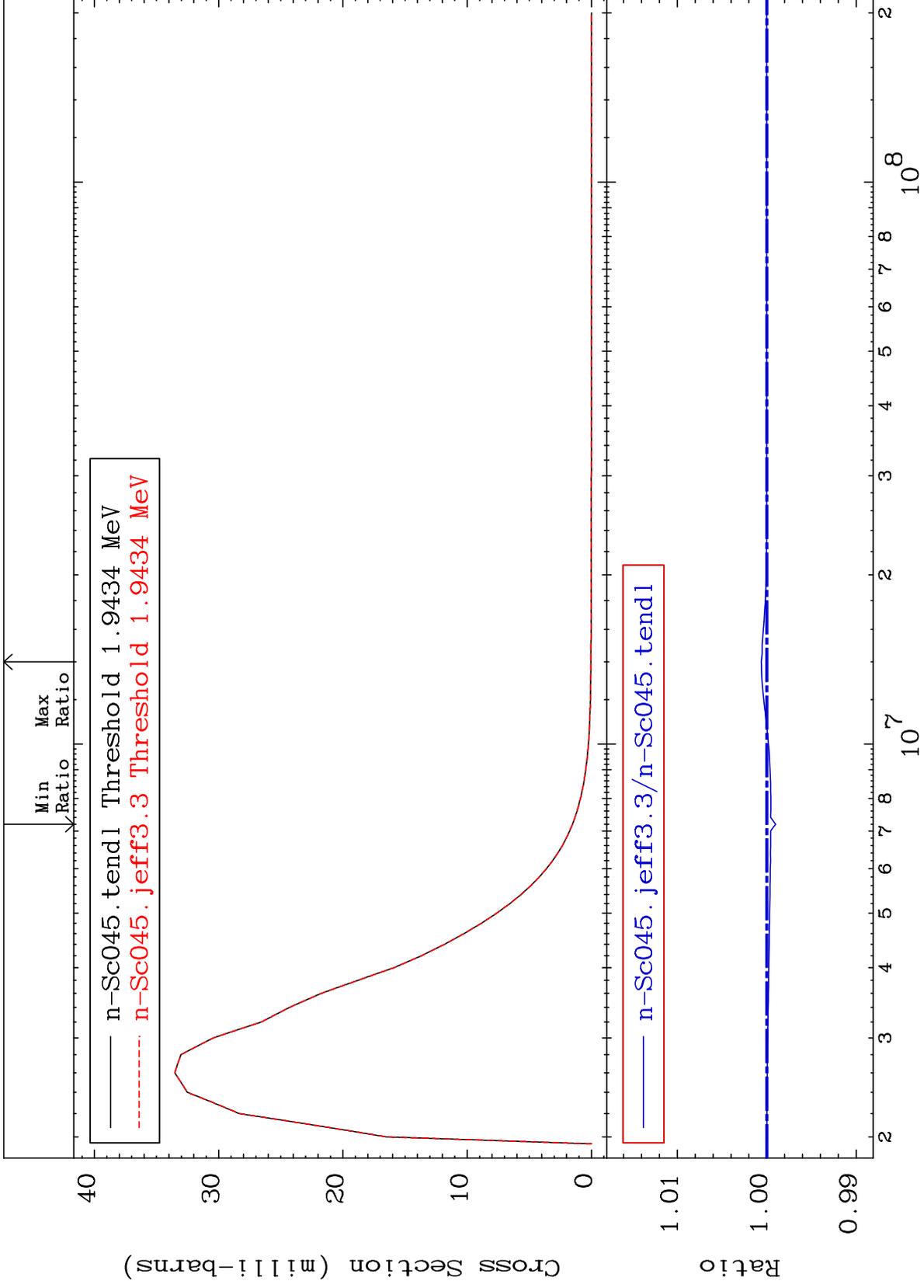
Incident Energy (eV)

21-Sc-45

MAT 2125

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

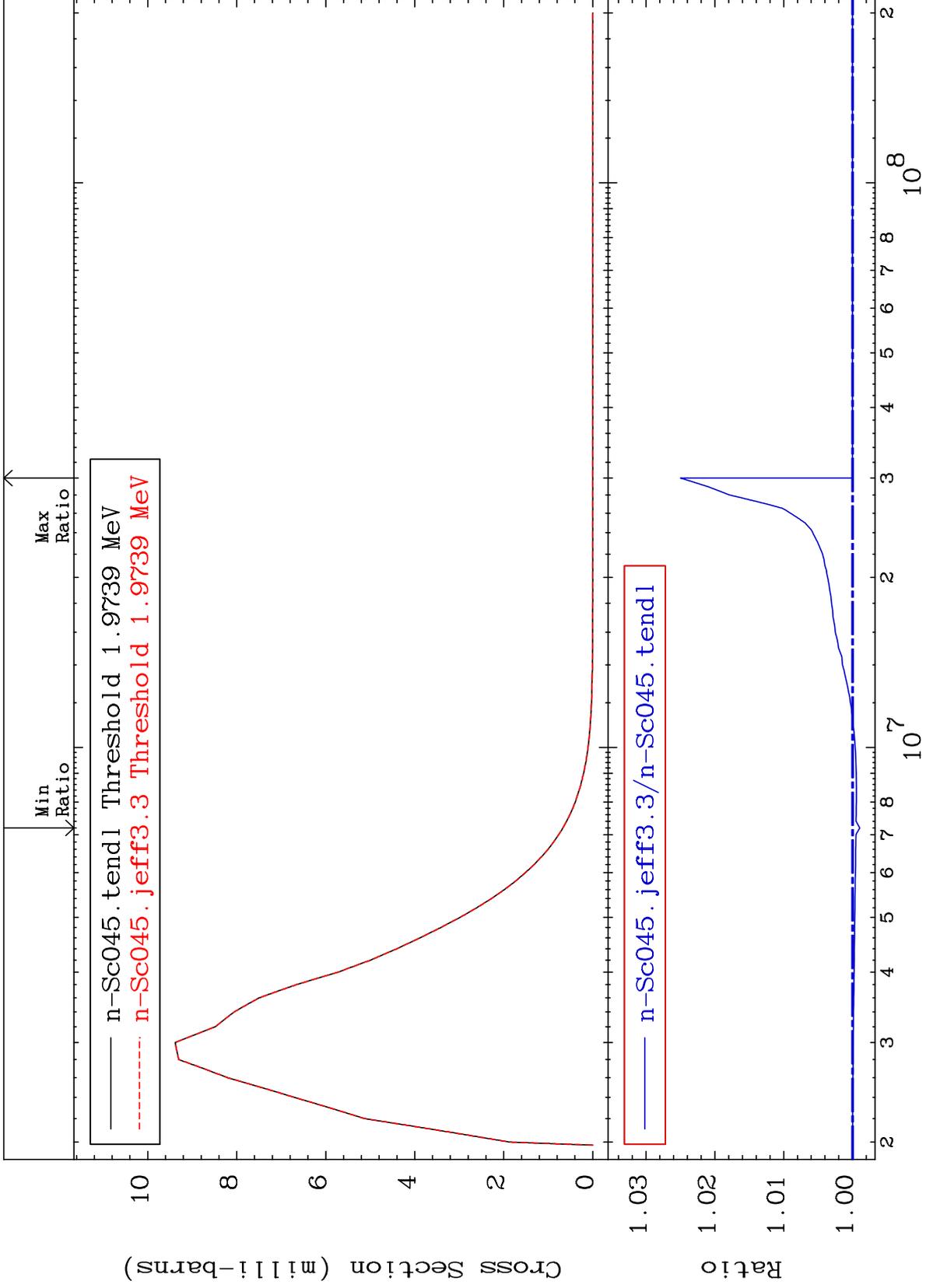
21-Sc-45  
-0.099 To 0.060 %



MAT 2125

MT= 69 (n,n') Level  
Cross Section

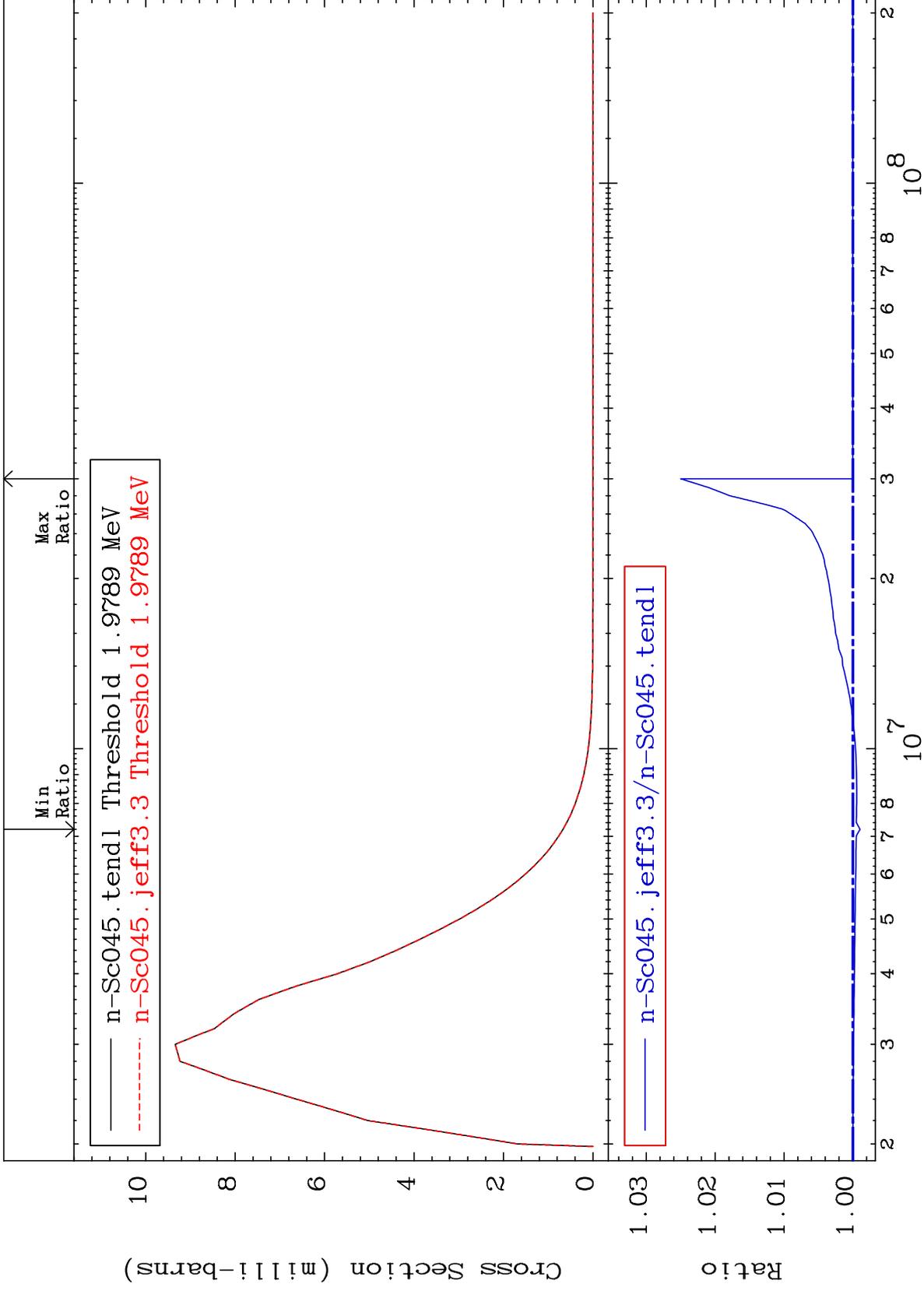
21-Sc-45  
-0.105 To 2.499 %



MAT 2125

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

21-Sc-45  
-0.105 To 2.499 %



35

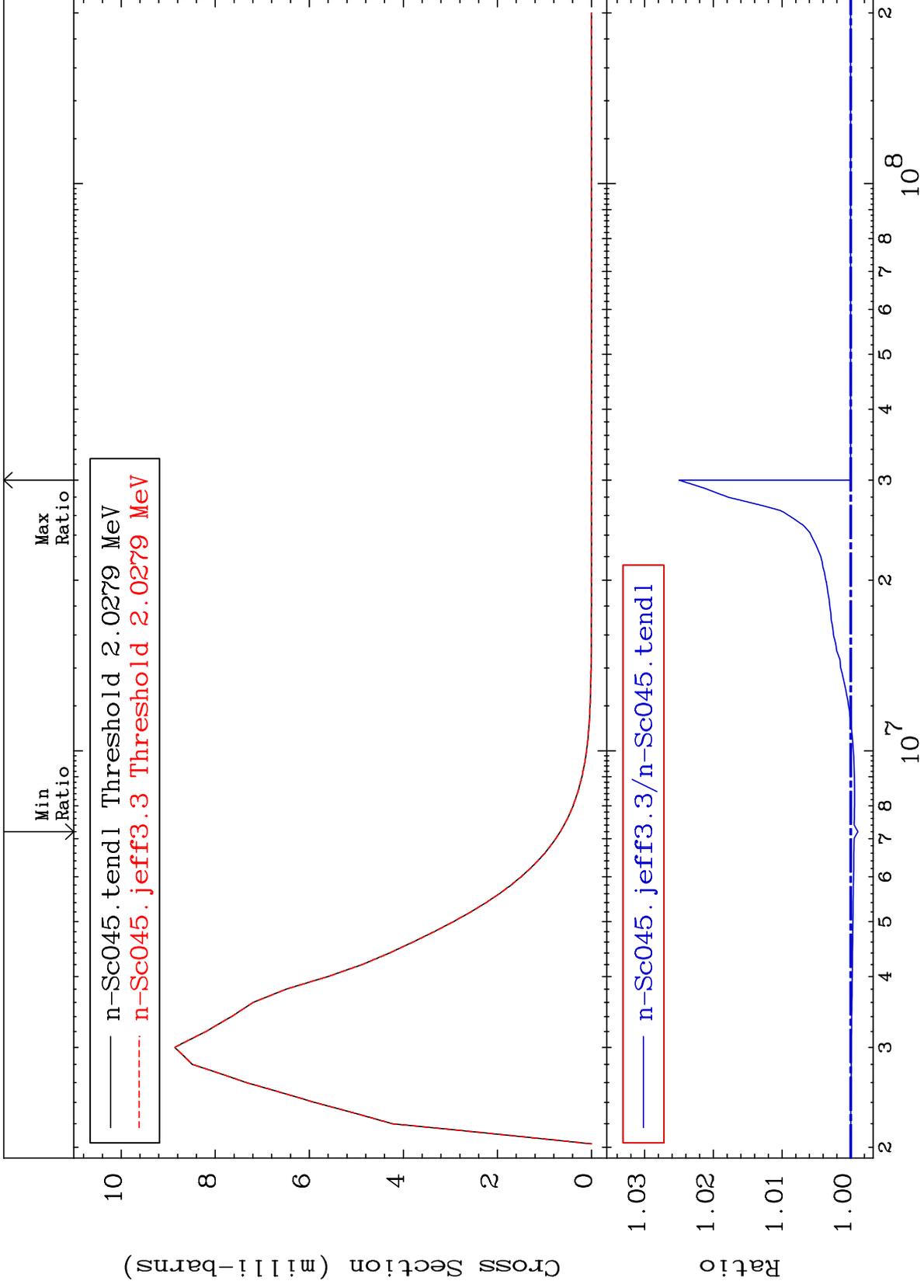
Incident Energy (eV)

21-Sc-45

MAT 2125

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

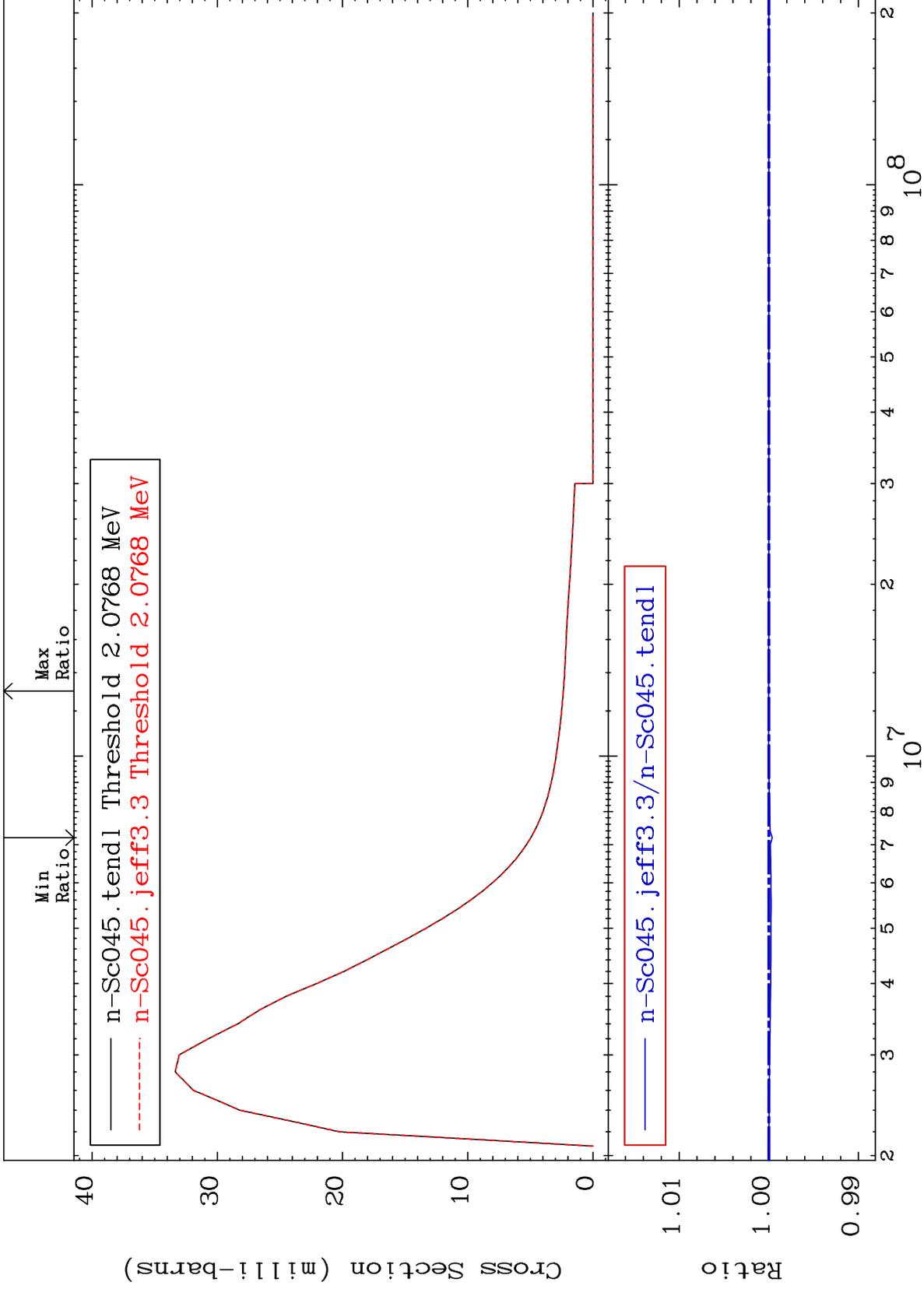
21-Sc-45  
-0.105 To 2.499 %



MAT 2125

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

21-Sc-45  
-0.038 To 0.003 %



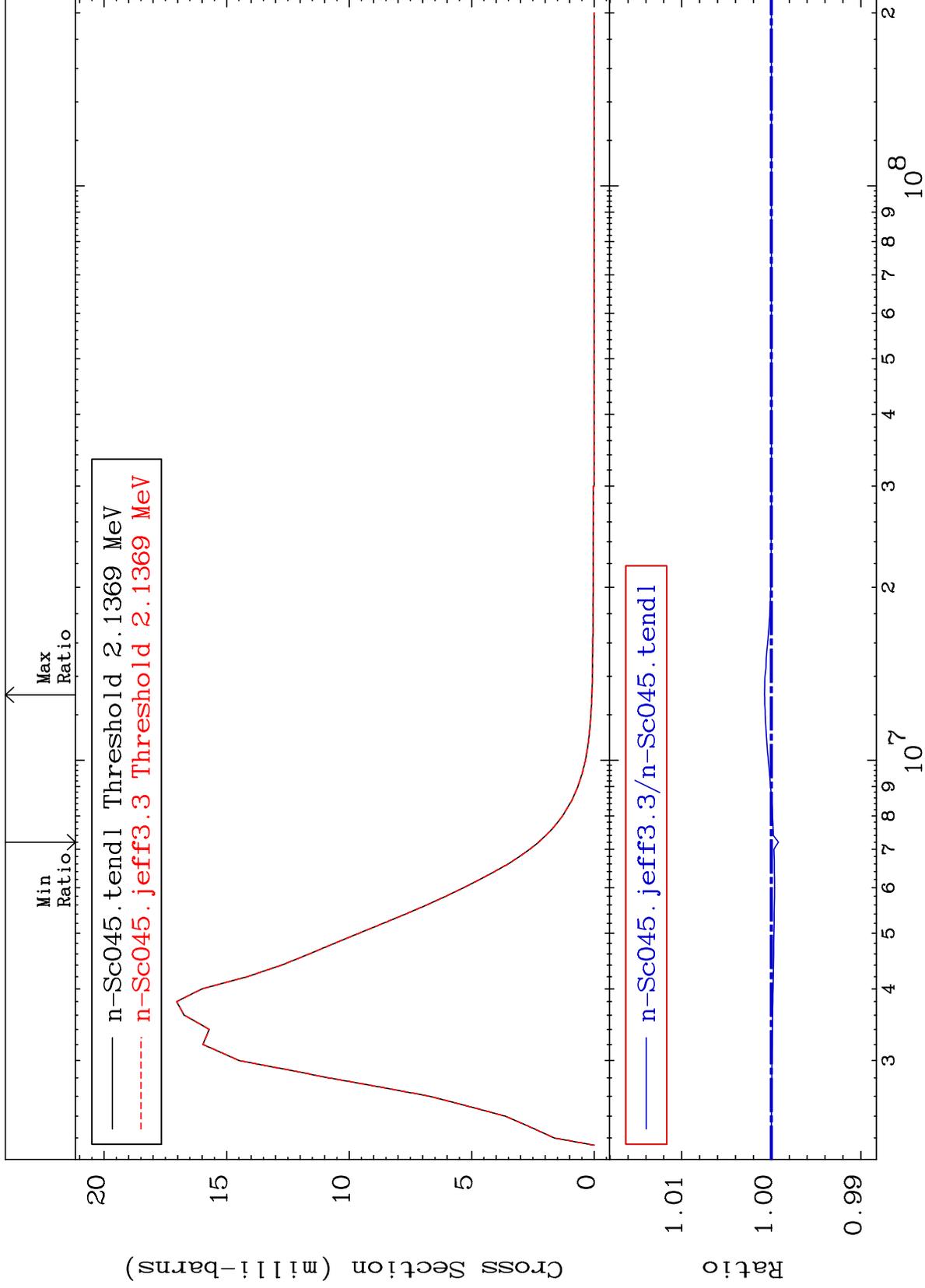
37

21-Sc-45

MAT 2125

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

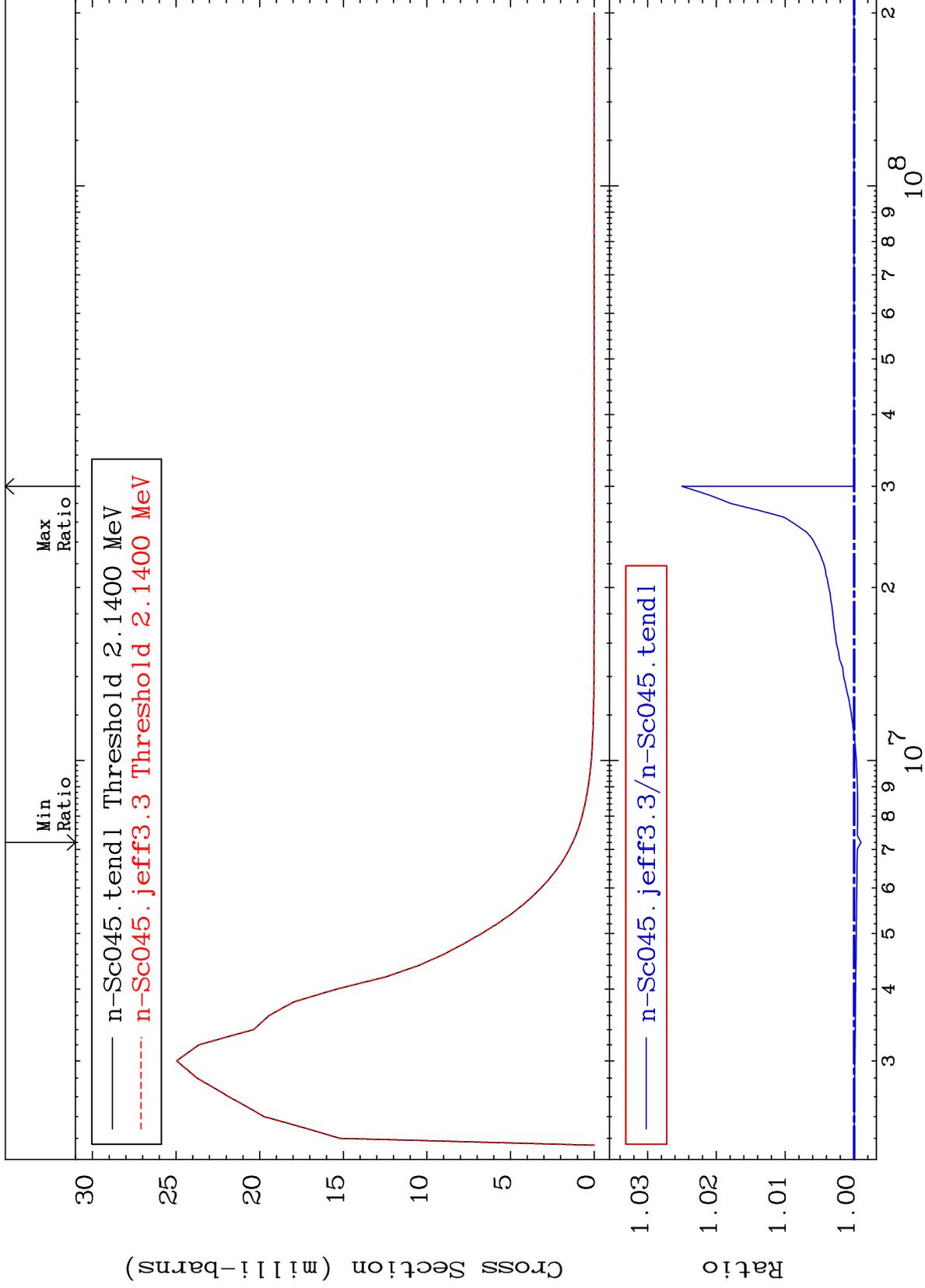
21-Sc-45  
-0.079 To 0.075 %



MAT 2125

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

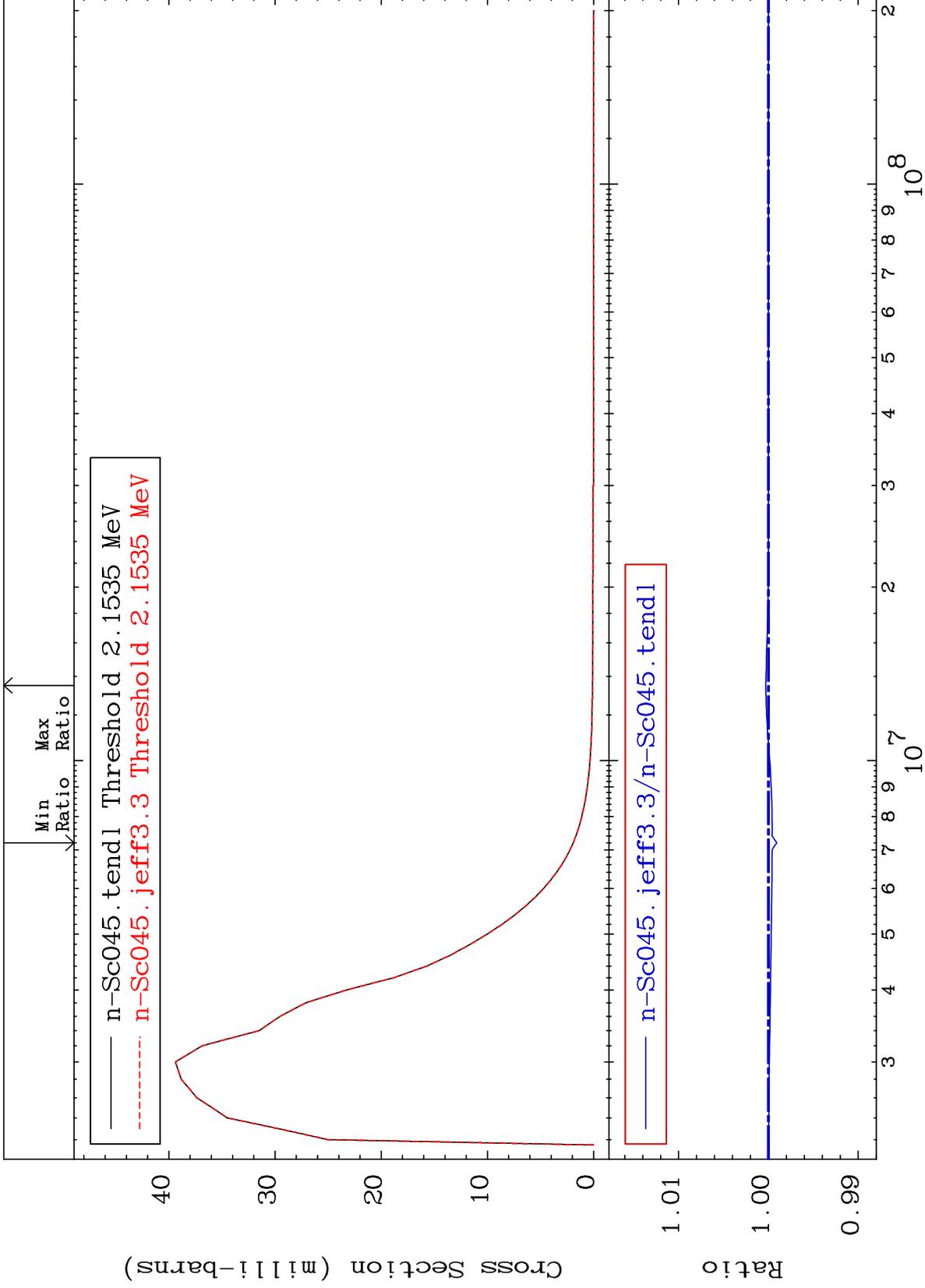
21-Sc-45  
-0.102 To 2.501 %



MAT 2125

MT= 75 (n,n') Level  
Cross Section

21-Sc-45  
-0.093 To 0.029 %



40

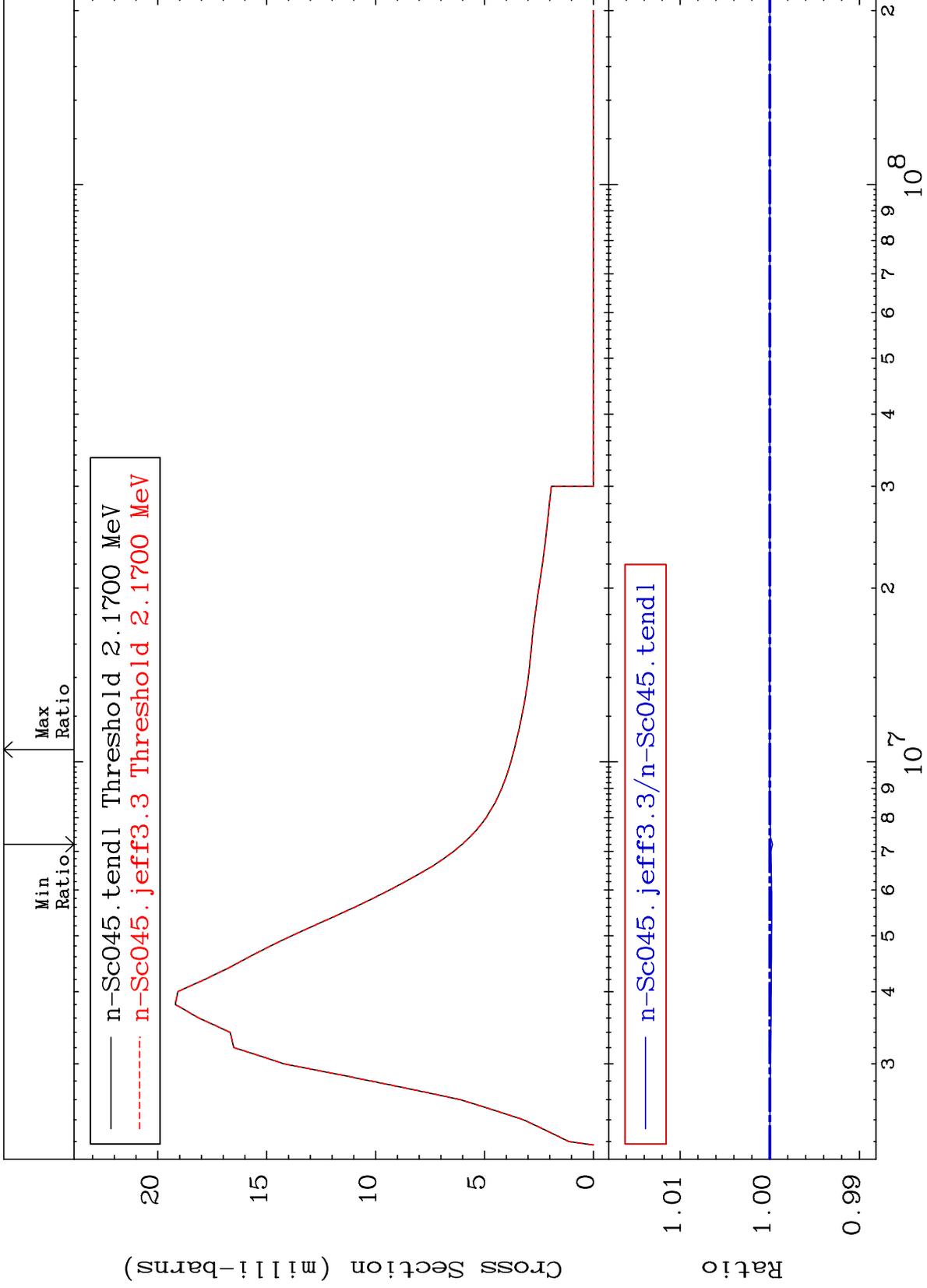
Incident Energy (eV)

21-Sc-45

MAT 2125

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

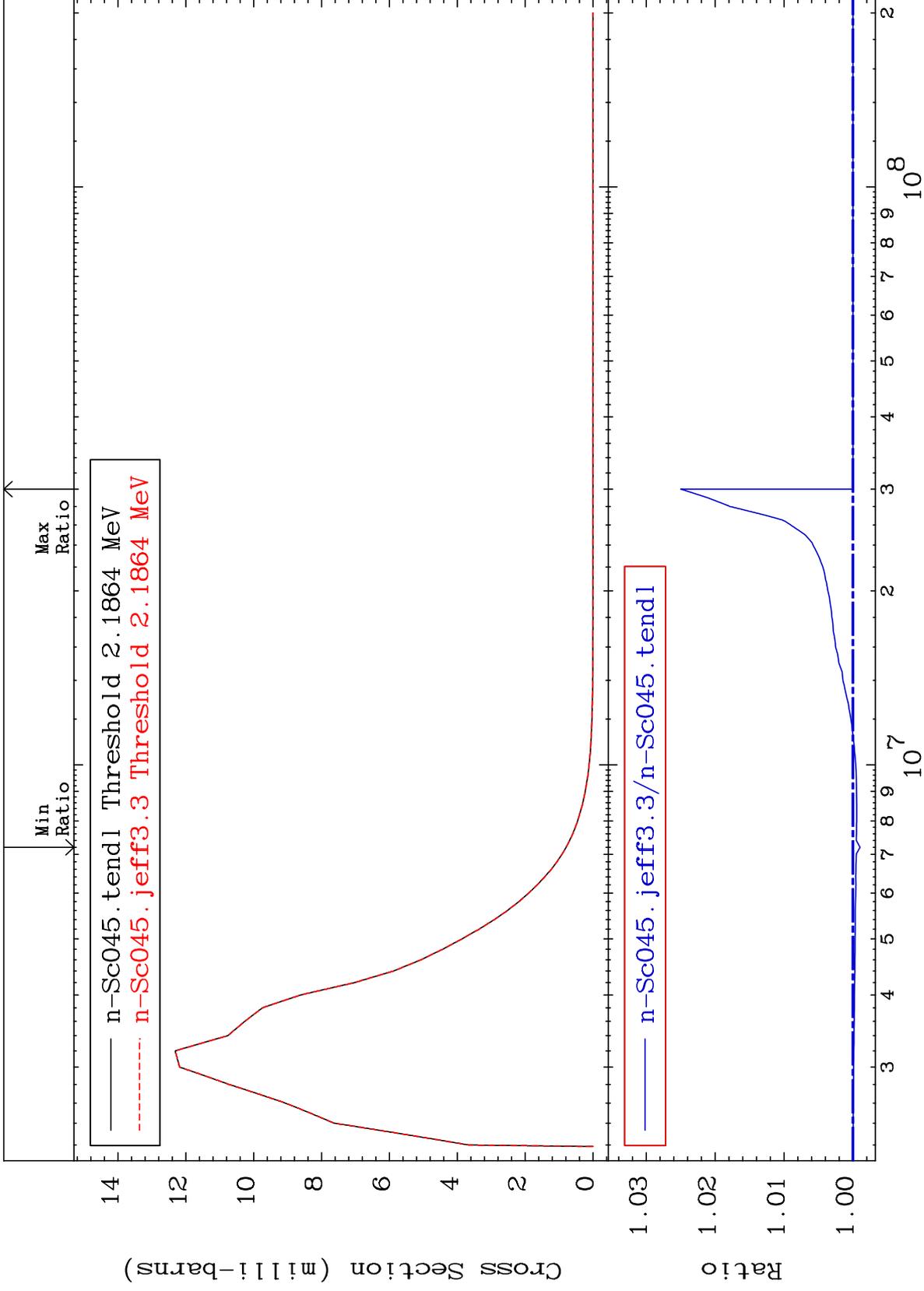
21-Sc-45  
-0.030 To 0.004 %



MAT 2125

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

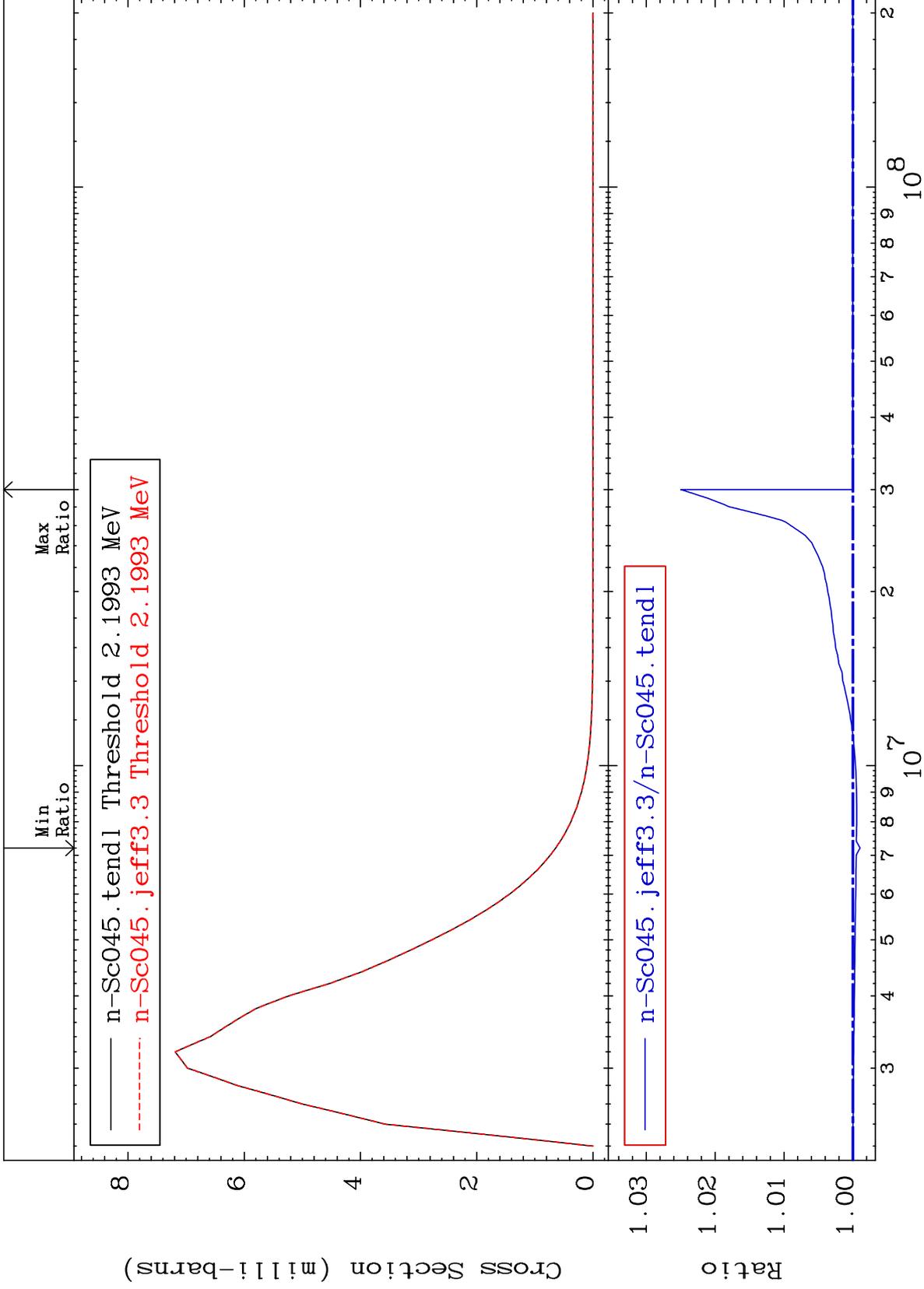
21-Sc-45  
-0.104 To 2.498 %



MAT 2125

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

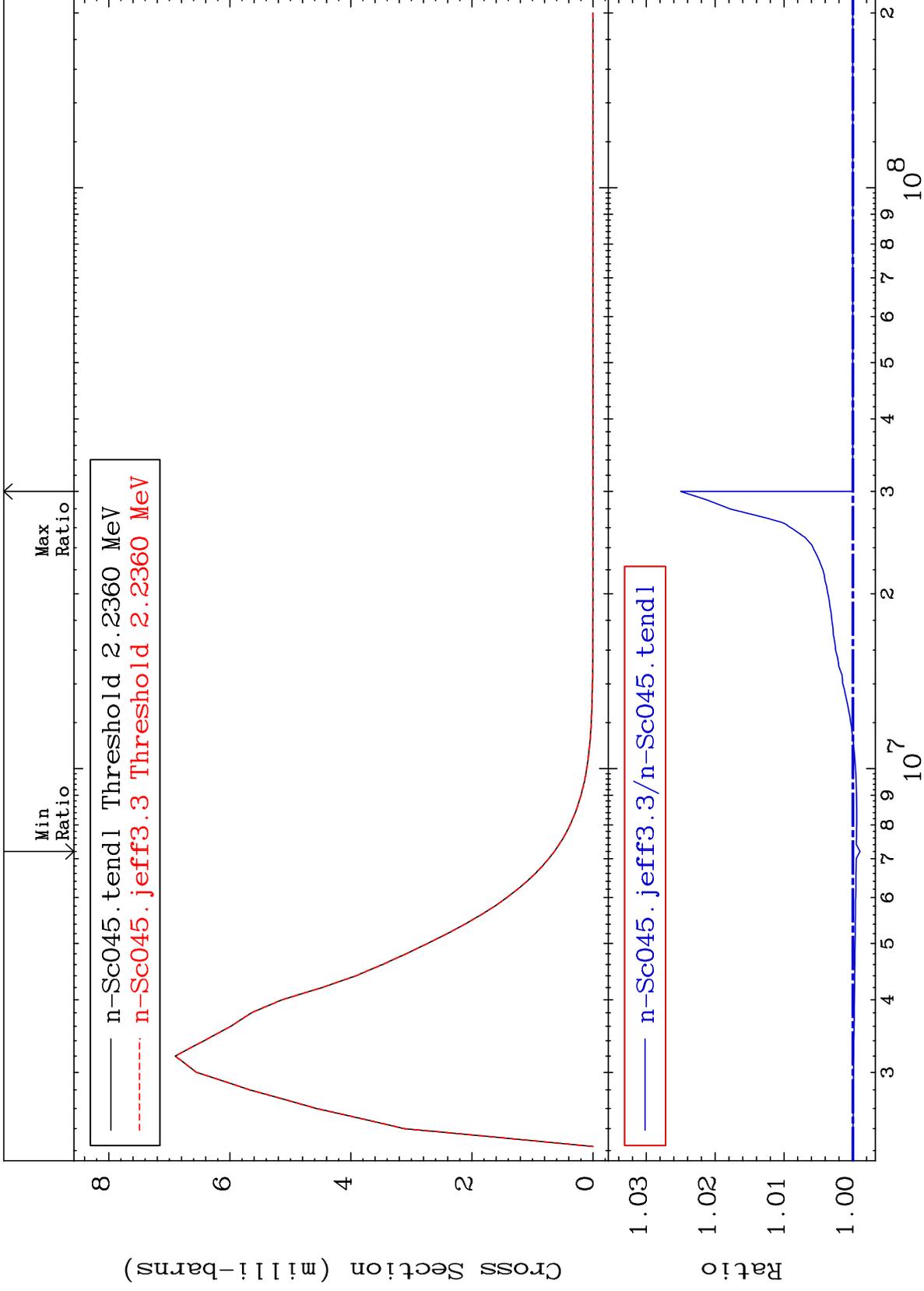
21-Sc-45  
-0.105 To 2.499 %



MAT 2125

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

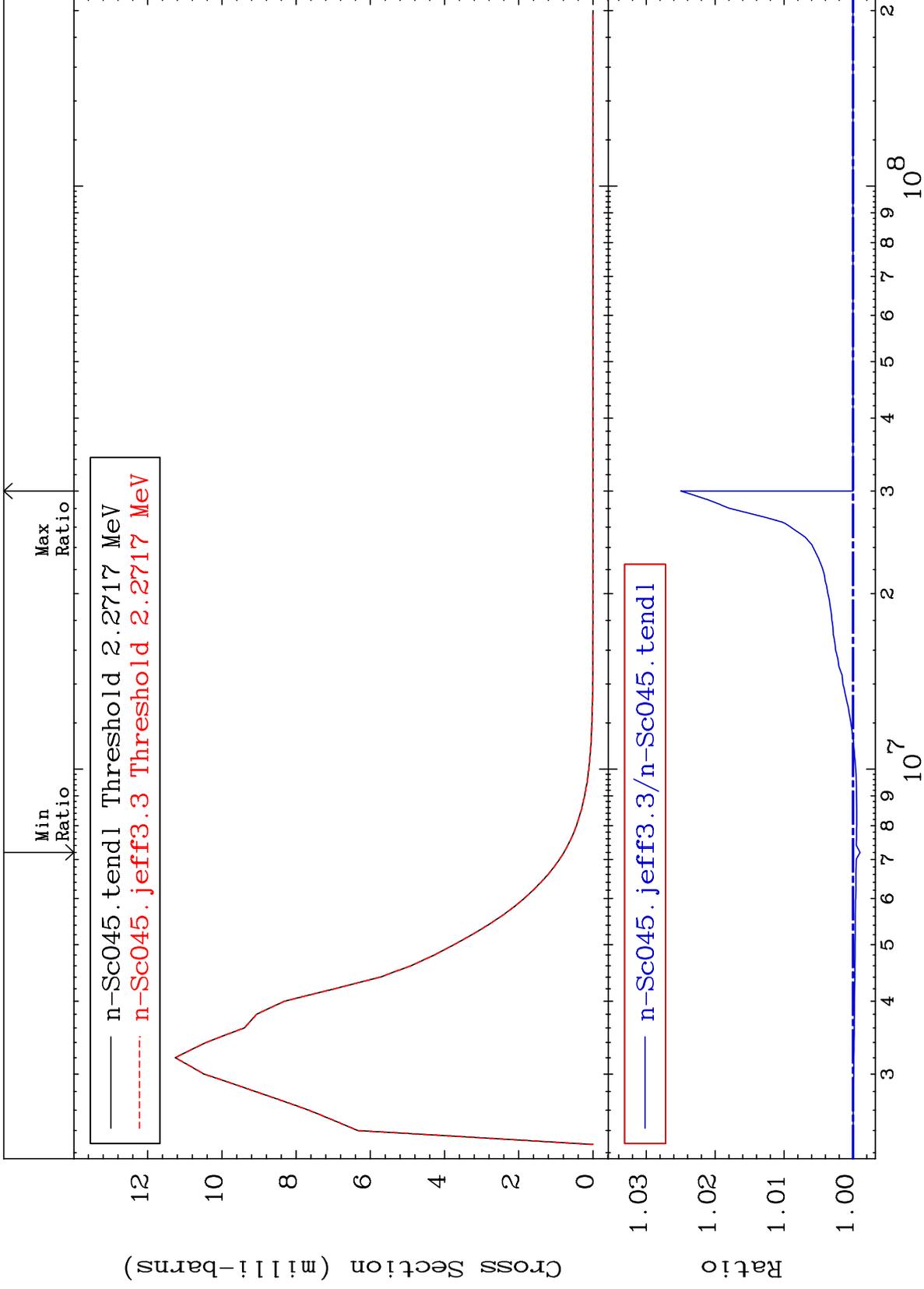
21-Sc-45  
-0.105 To 2.499 %



MAT 2125

MT= 80 (n,n') Level  
Cross Section

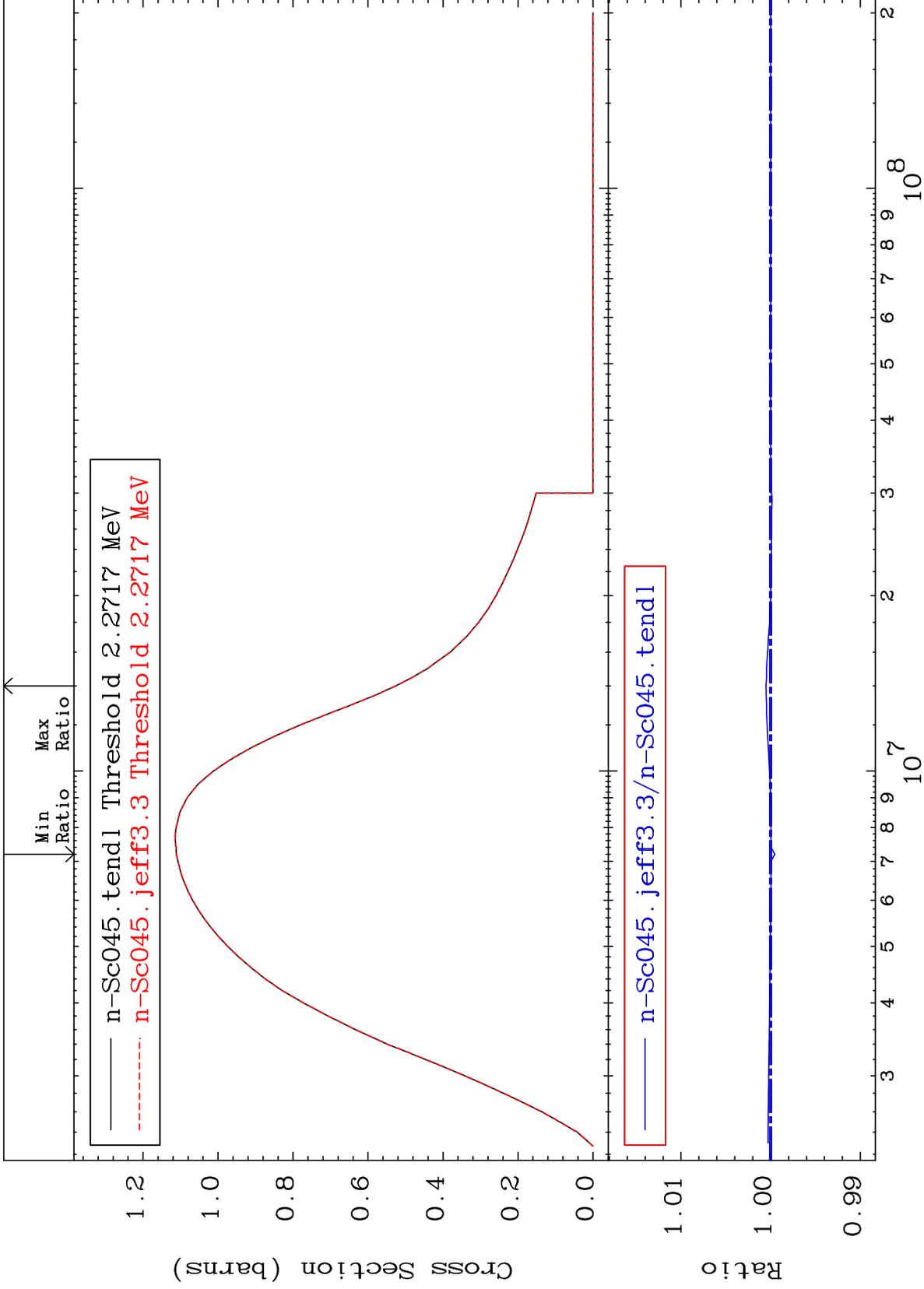
21-Sc-45  
-0.104 To 2.499 %



45

Incident Energy (eV)

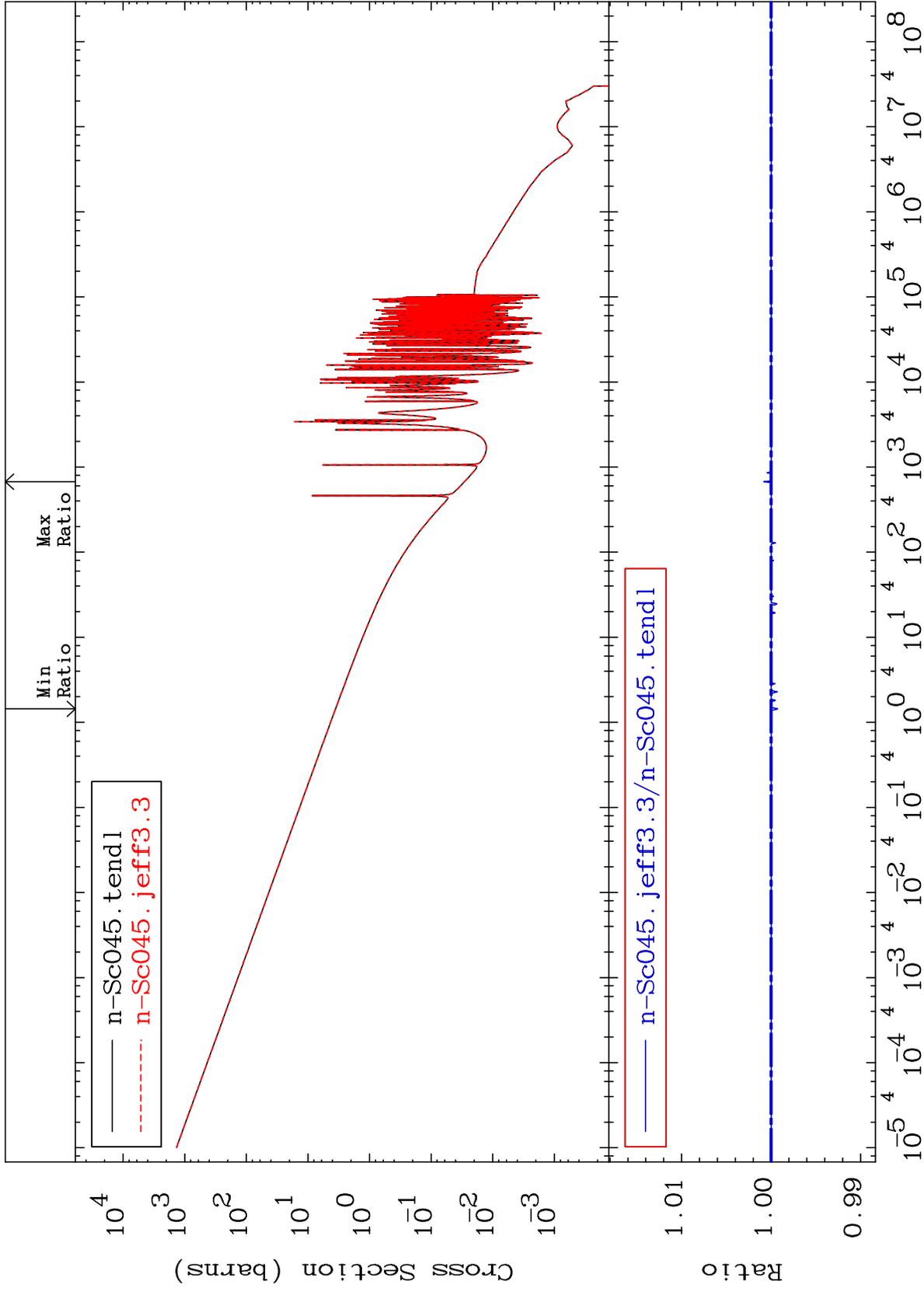
21-Sc-45



MAT 2125

21-Sc-45

-0.074 To 0.083 %

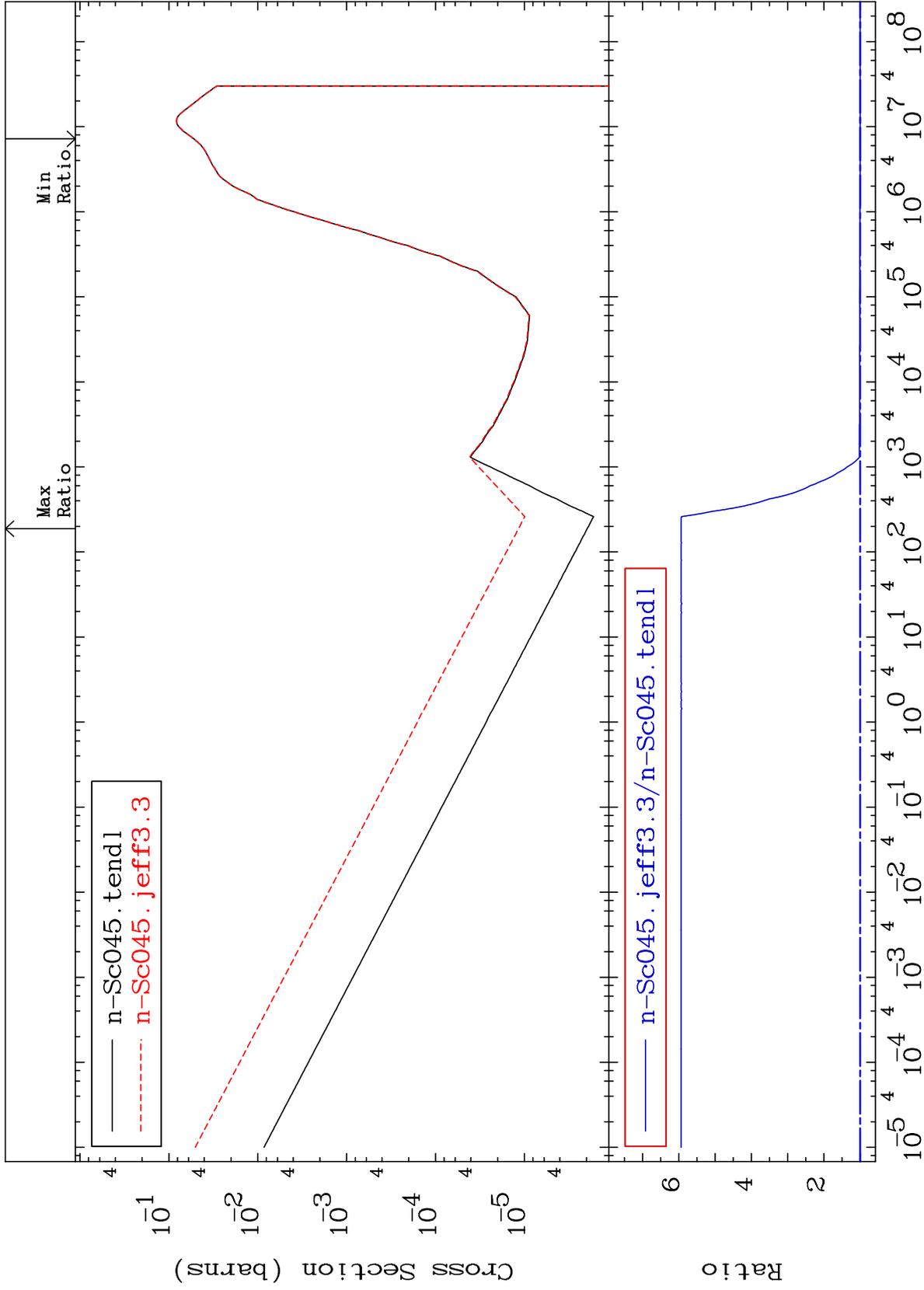


MAT 2125

21-Sc-45

(n,p)  
Cross Section

-0.005 To 493.7 %

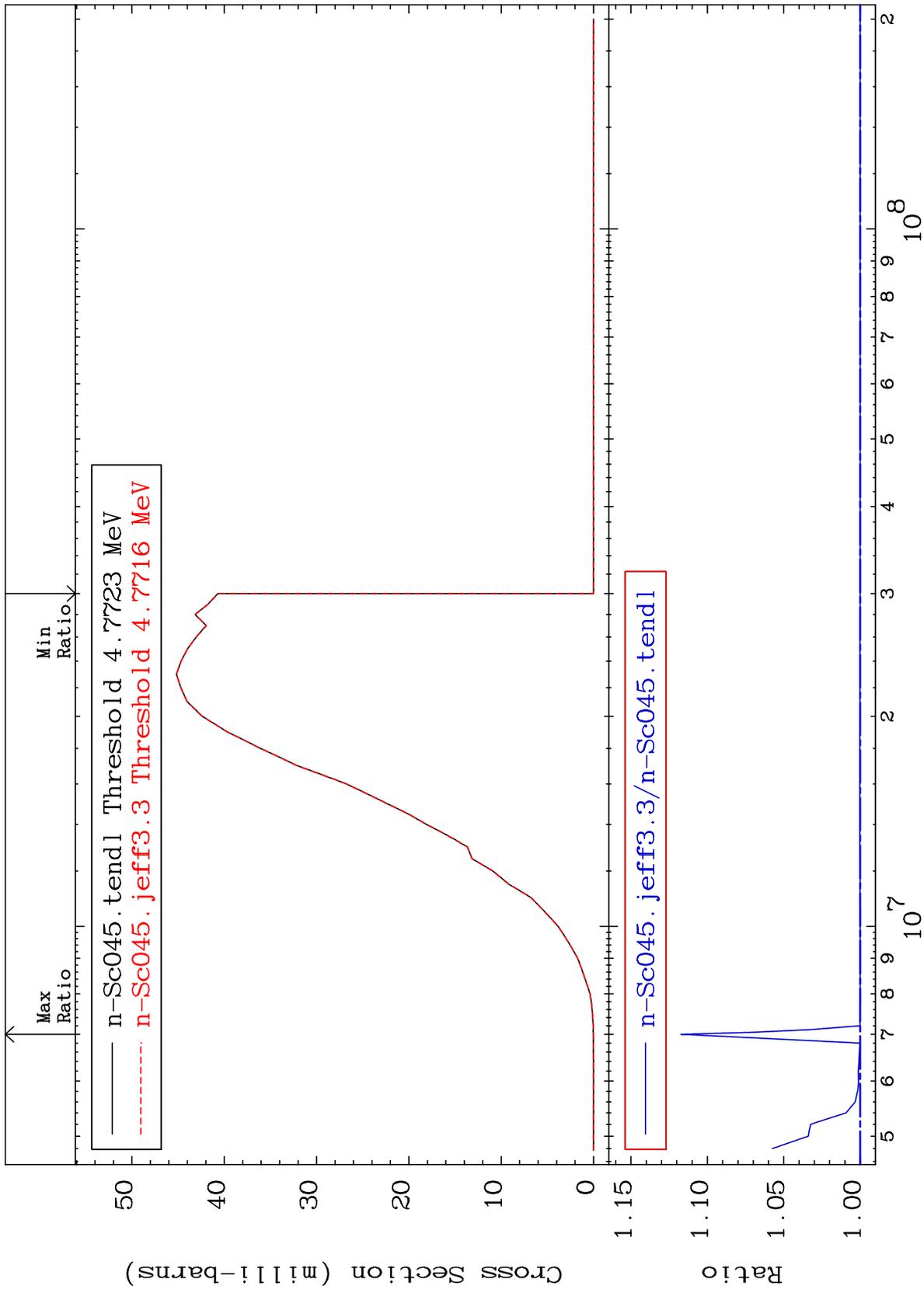


48

Incident Energy (eV)

21-Sc-45

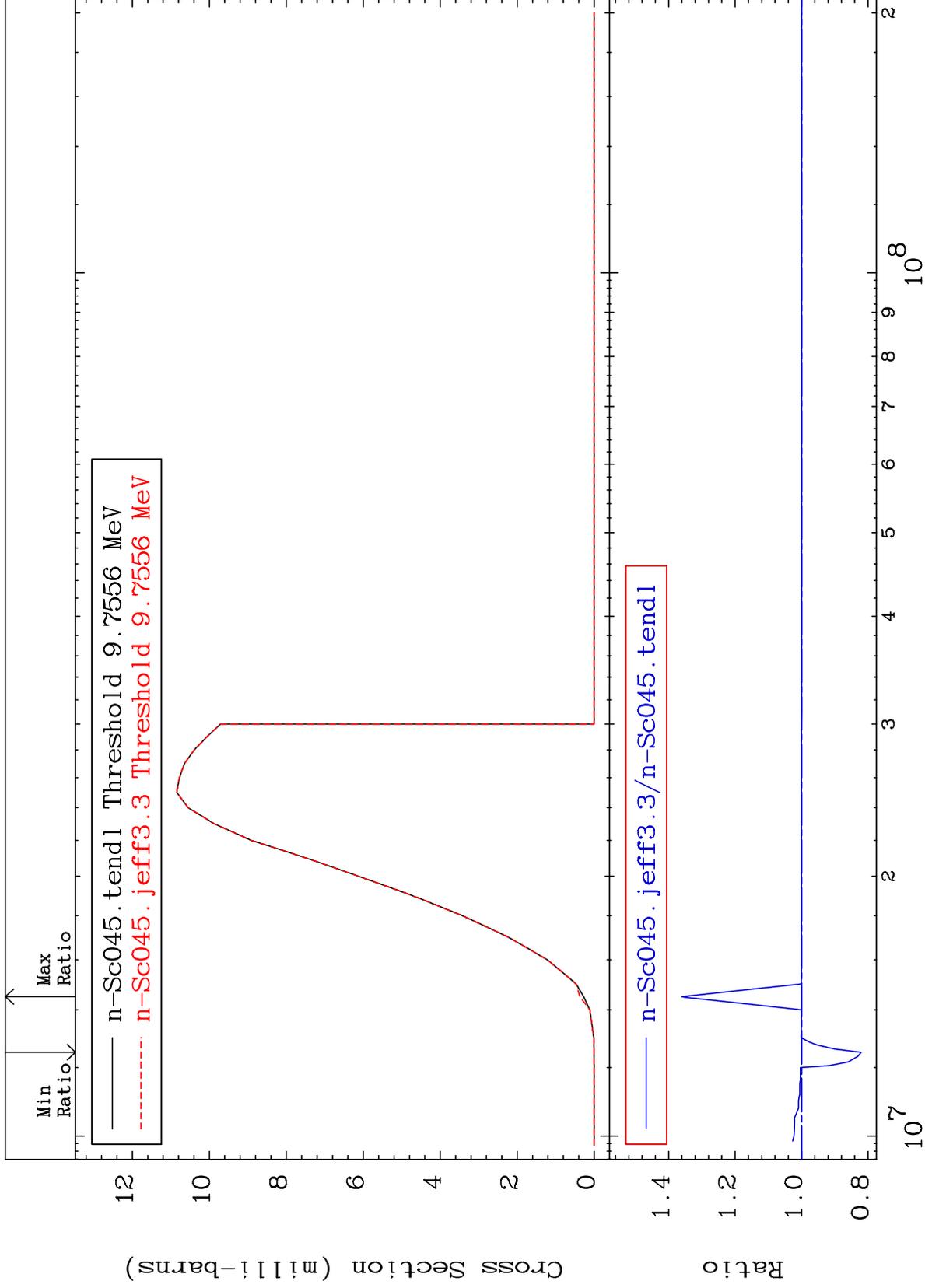
MAT 2125 (n, d) Cross Section 21-Sc-45 To 11.72 %



MAT 2125

(n, t)  
Cross Section

21-Sc-45  
-17.92 To 36.01 %



21-Sc-45

Incident Energy (eV)

50

MAT 2125

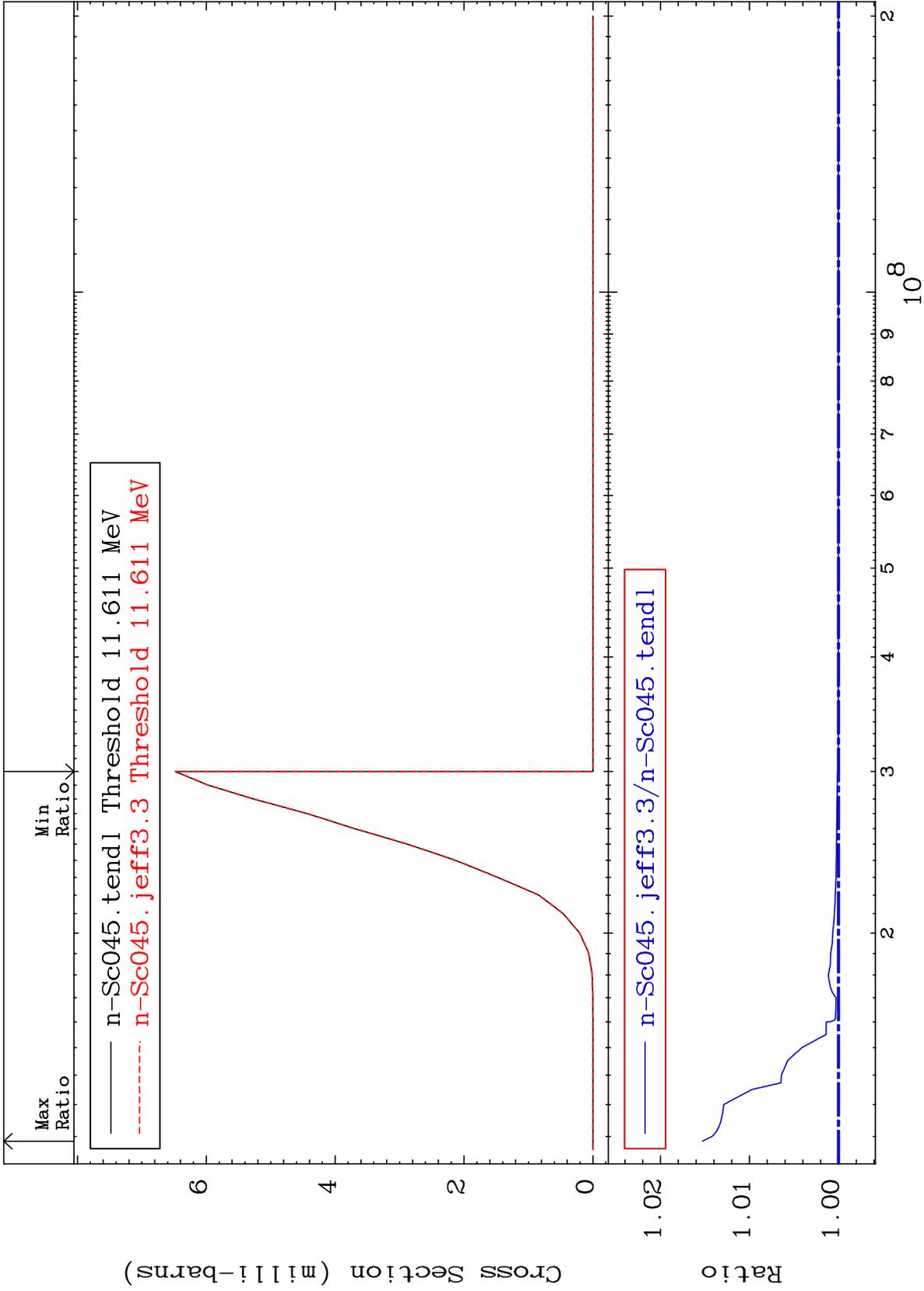
(n, He-3)

21-Sc-45

Cross Section

0.000

To 1.529 %



51

Incident Energy (eV)

21-Sc-45

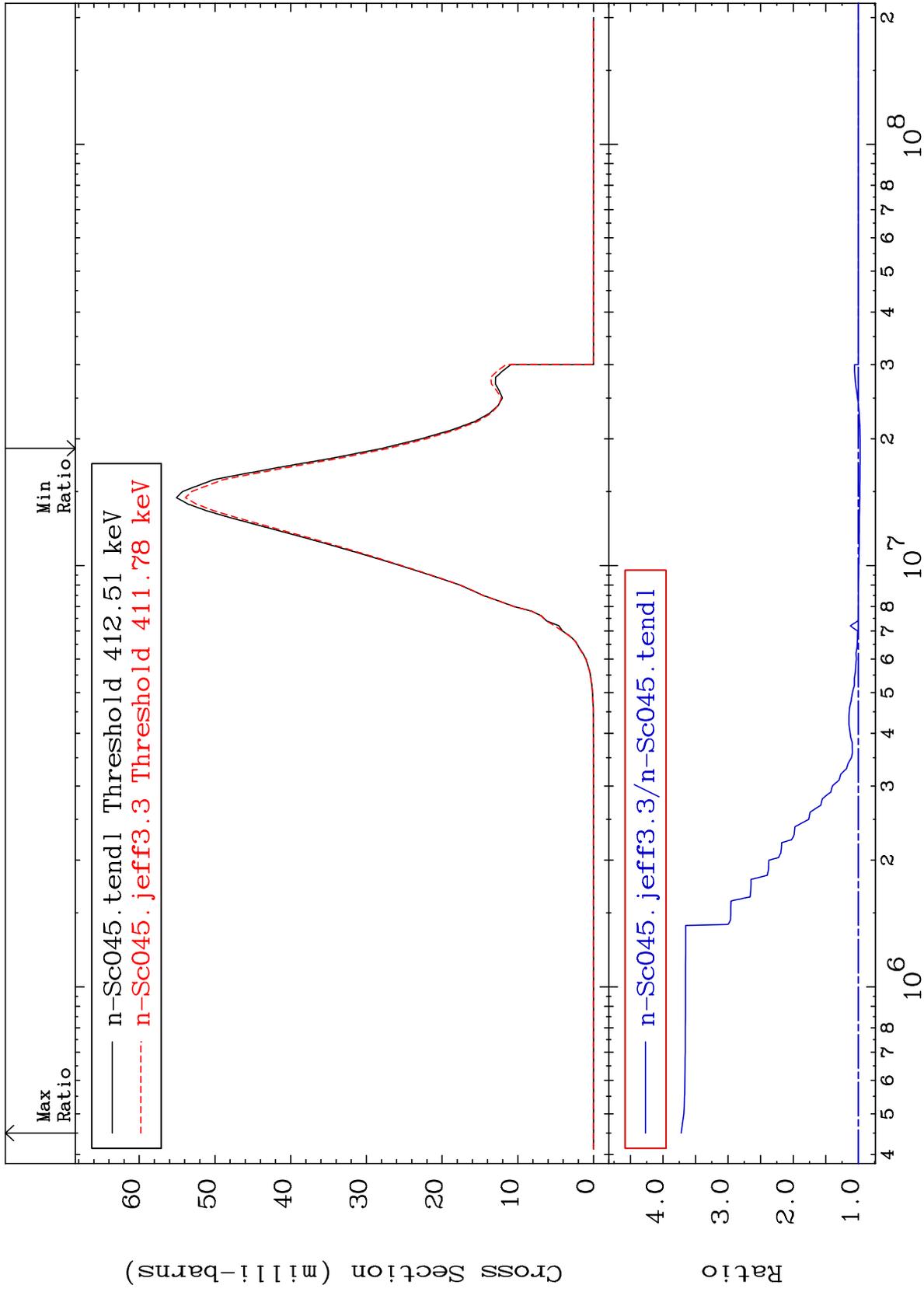
MAT 2125

(n,  $\alpha$ )

21-Sc-45

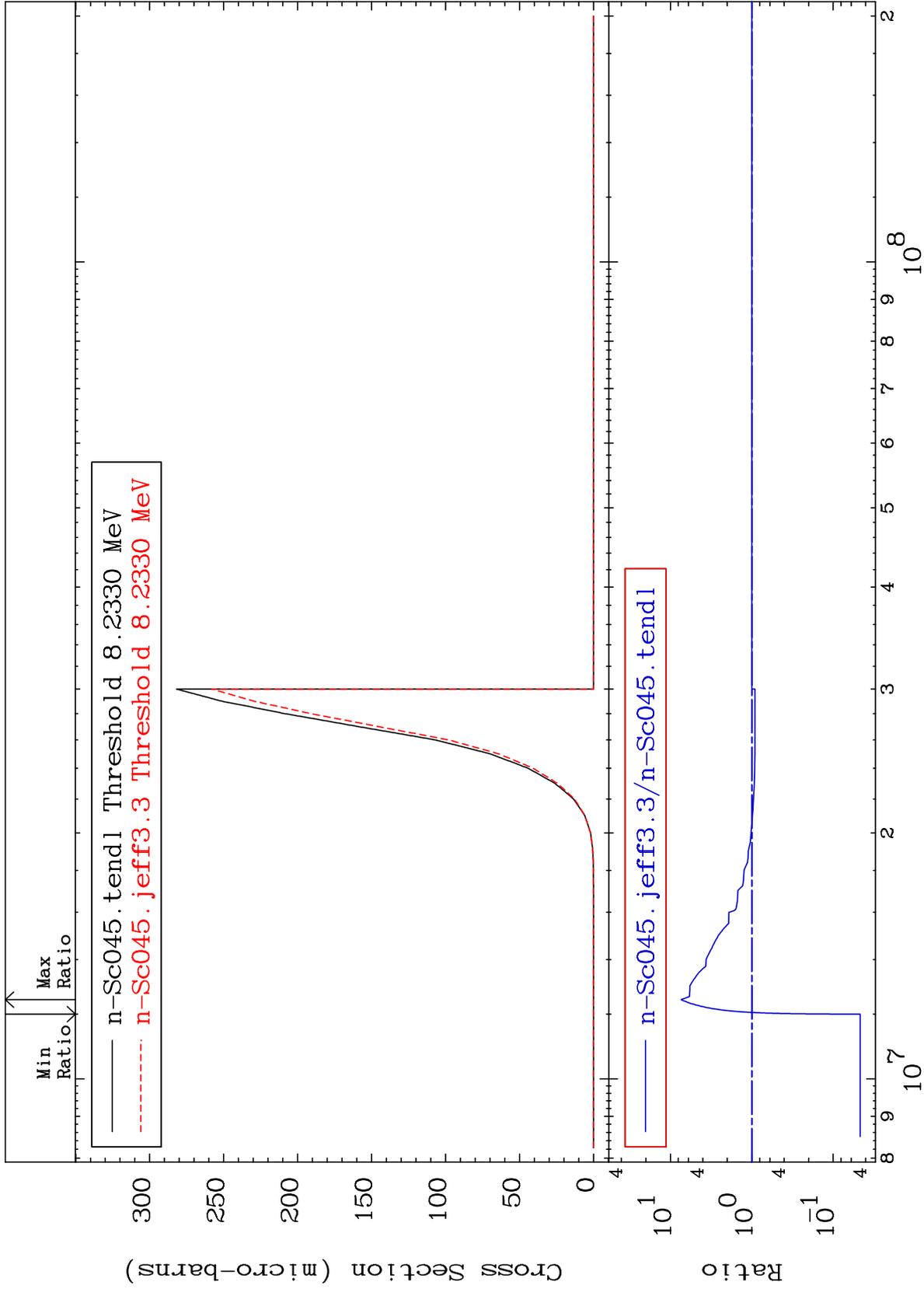
Cross Section

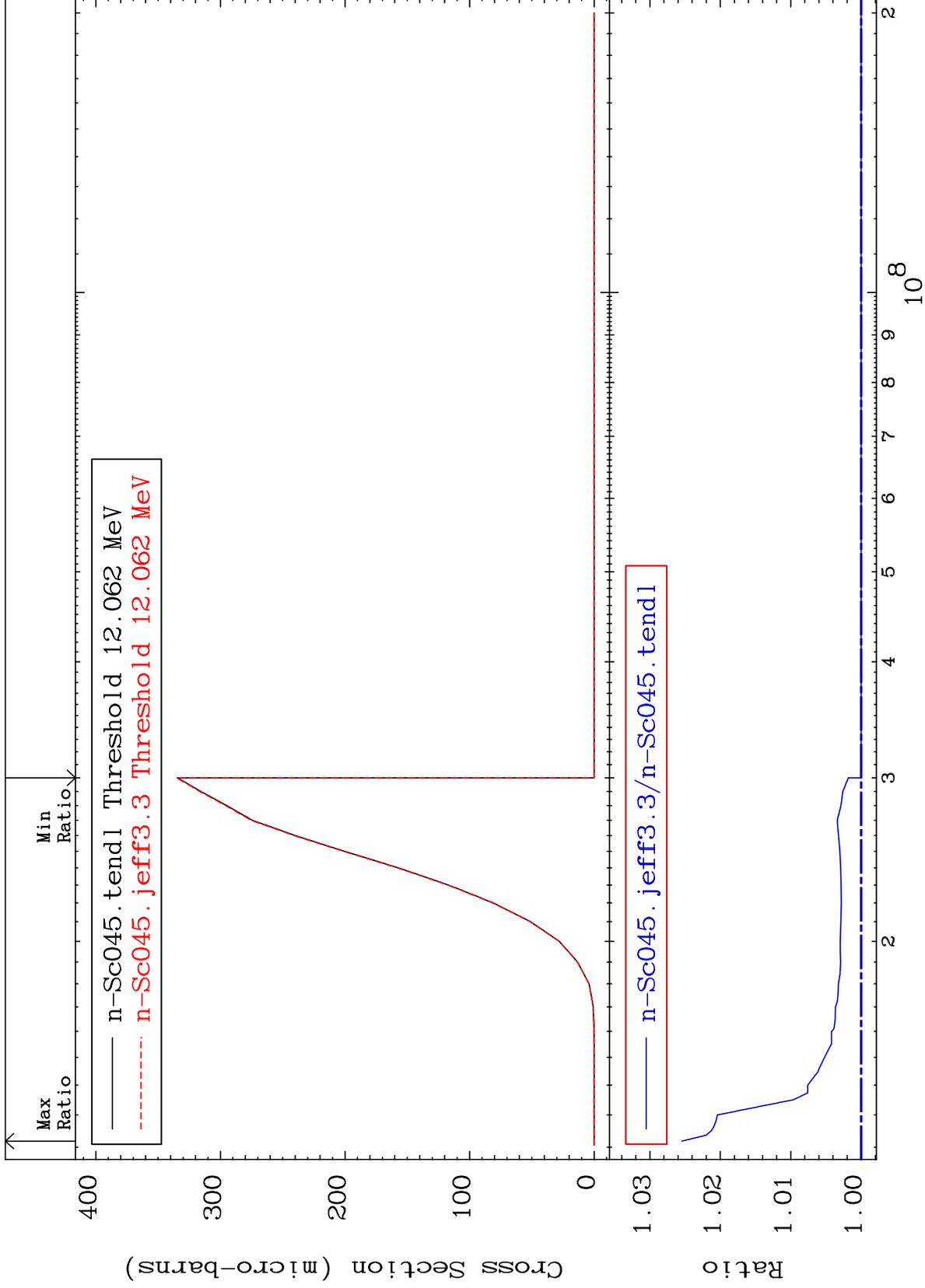
-2.918 To 272.0 %



Cross Section

-95.34 To 637.2 %

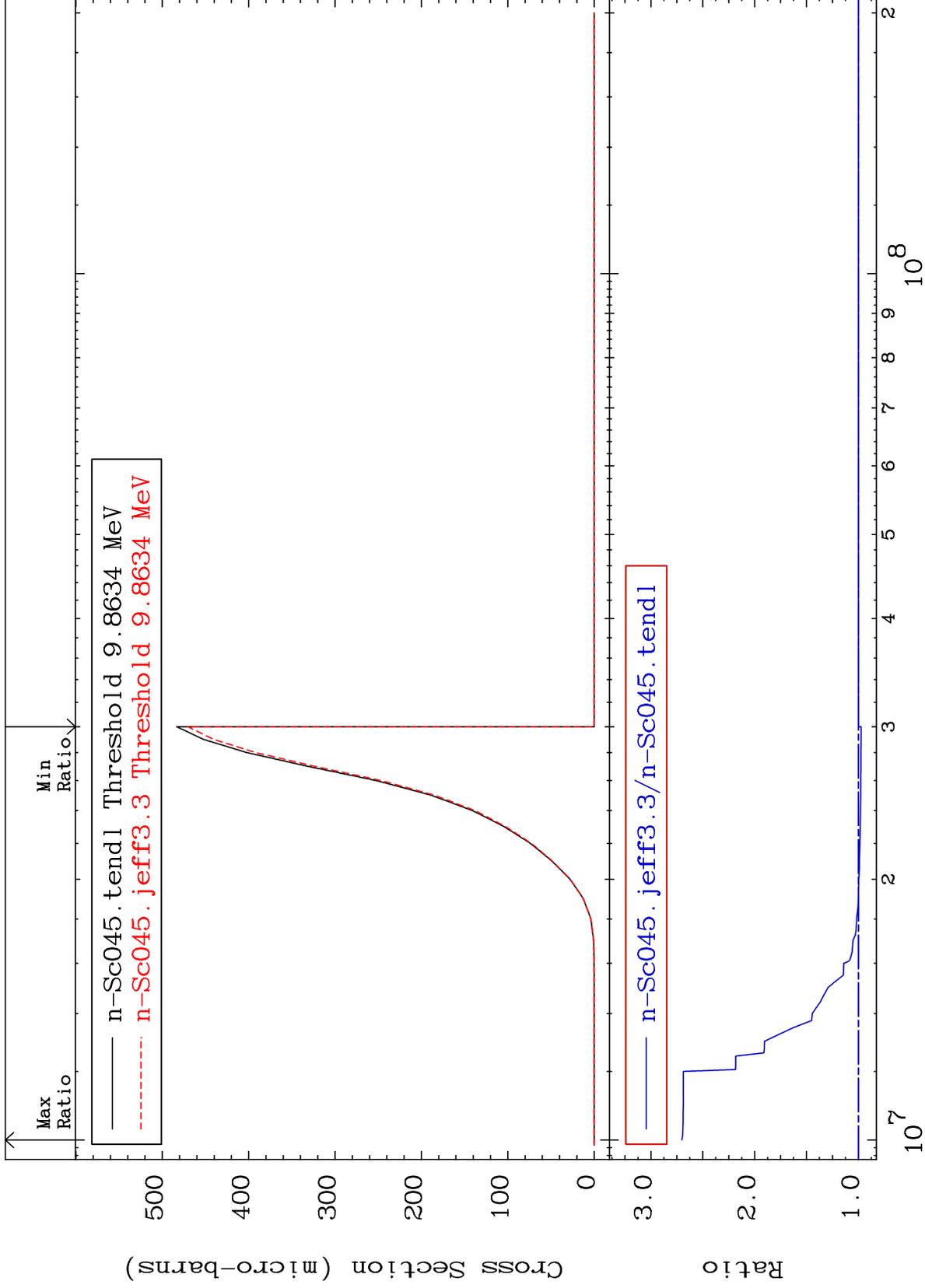




MAT 2125

(n,p)  $\alpha$   
Cross Section

21-Sc-45  
-2.641 To 170.1 %



55

Incident Energy (eV)

21-Sc-45

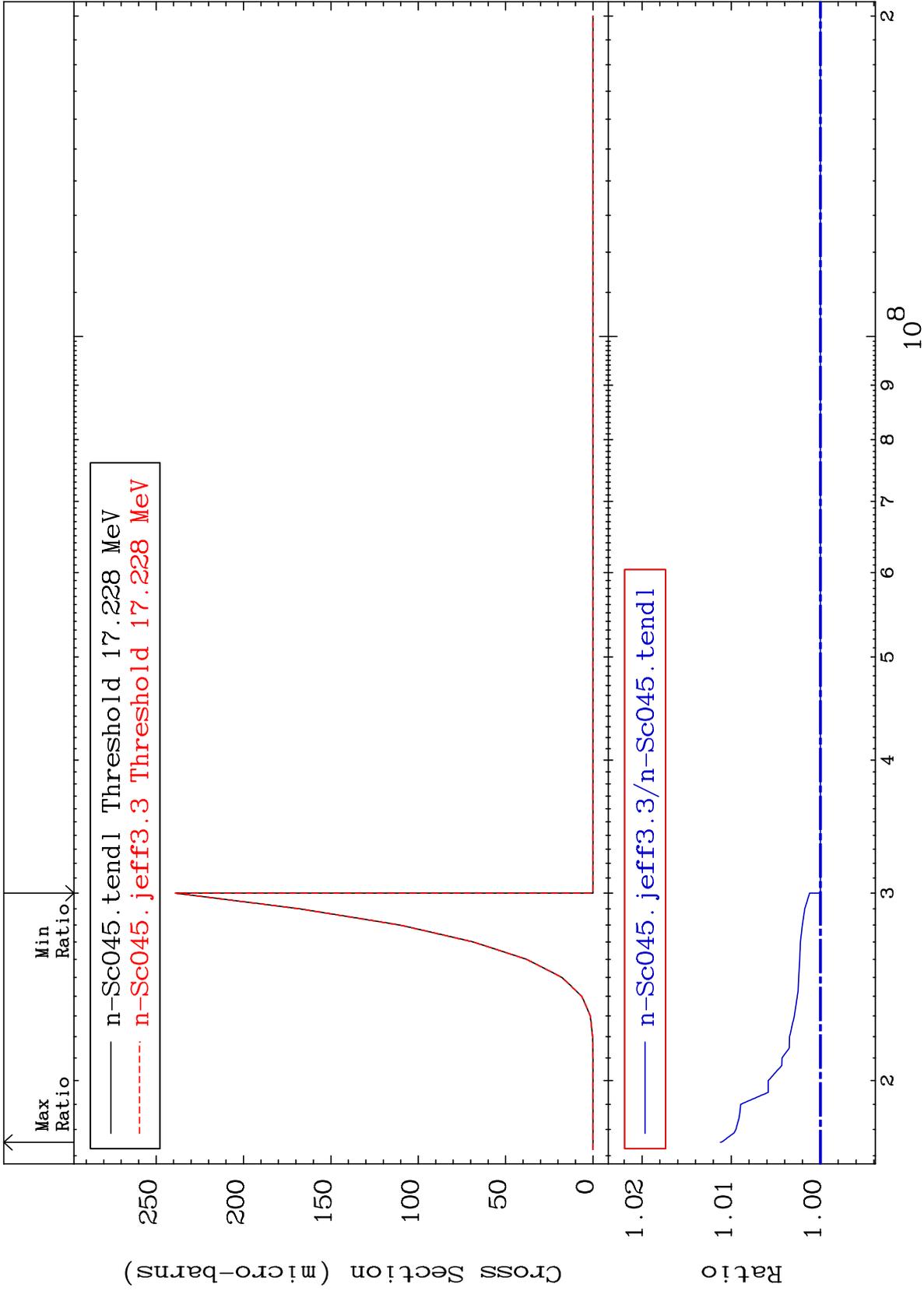
MAT 2125

(n,p) d

21-Sc-45

Cross Section

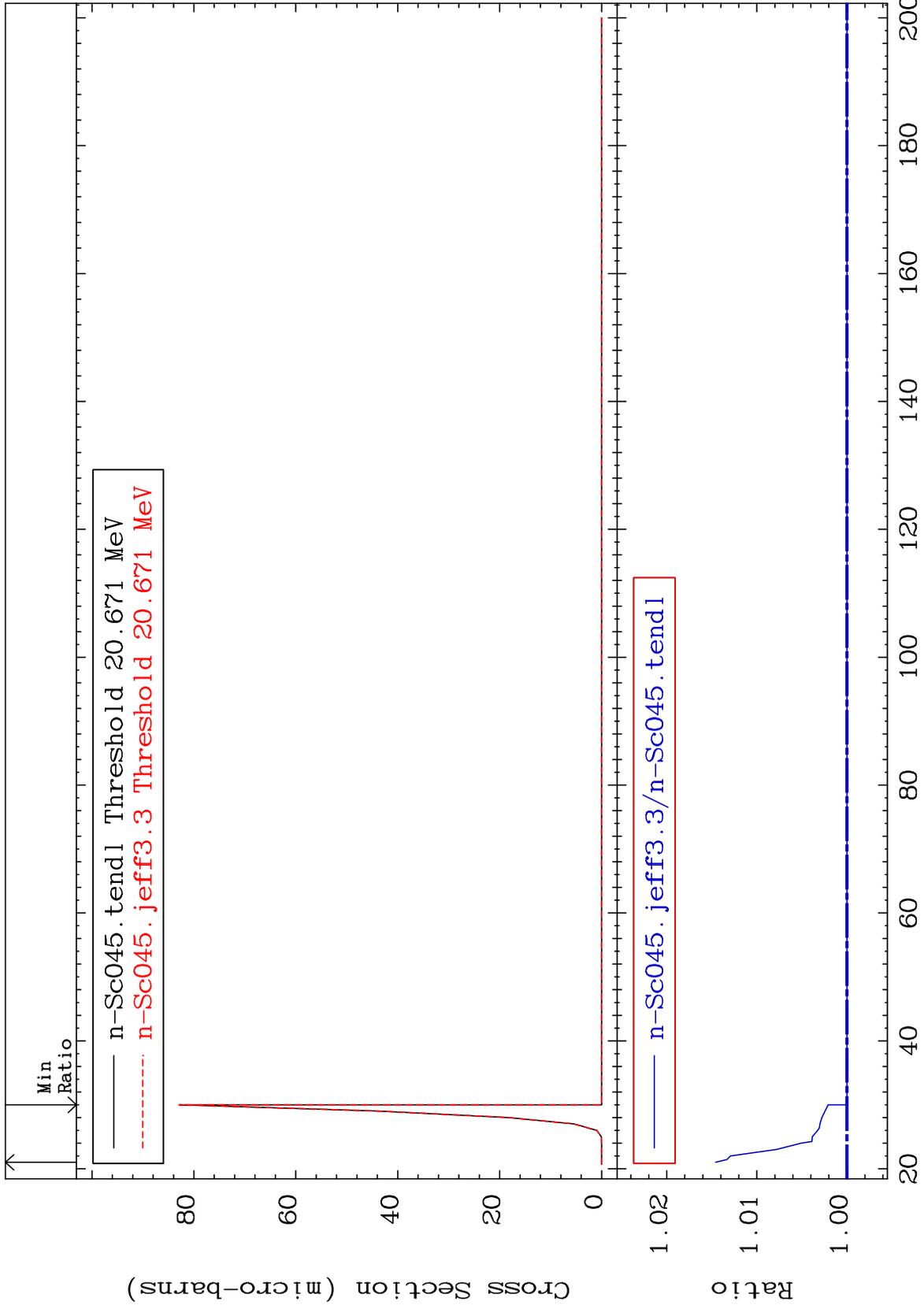
0.000 To 1.121 %



MAT 2125

(n,p) t  
Cross Section

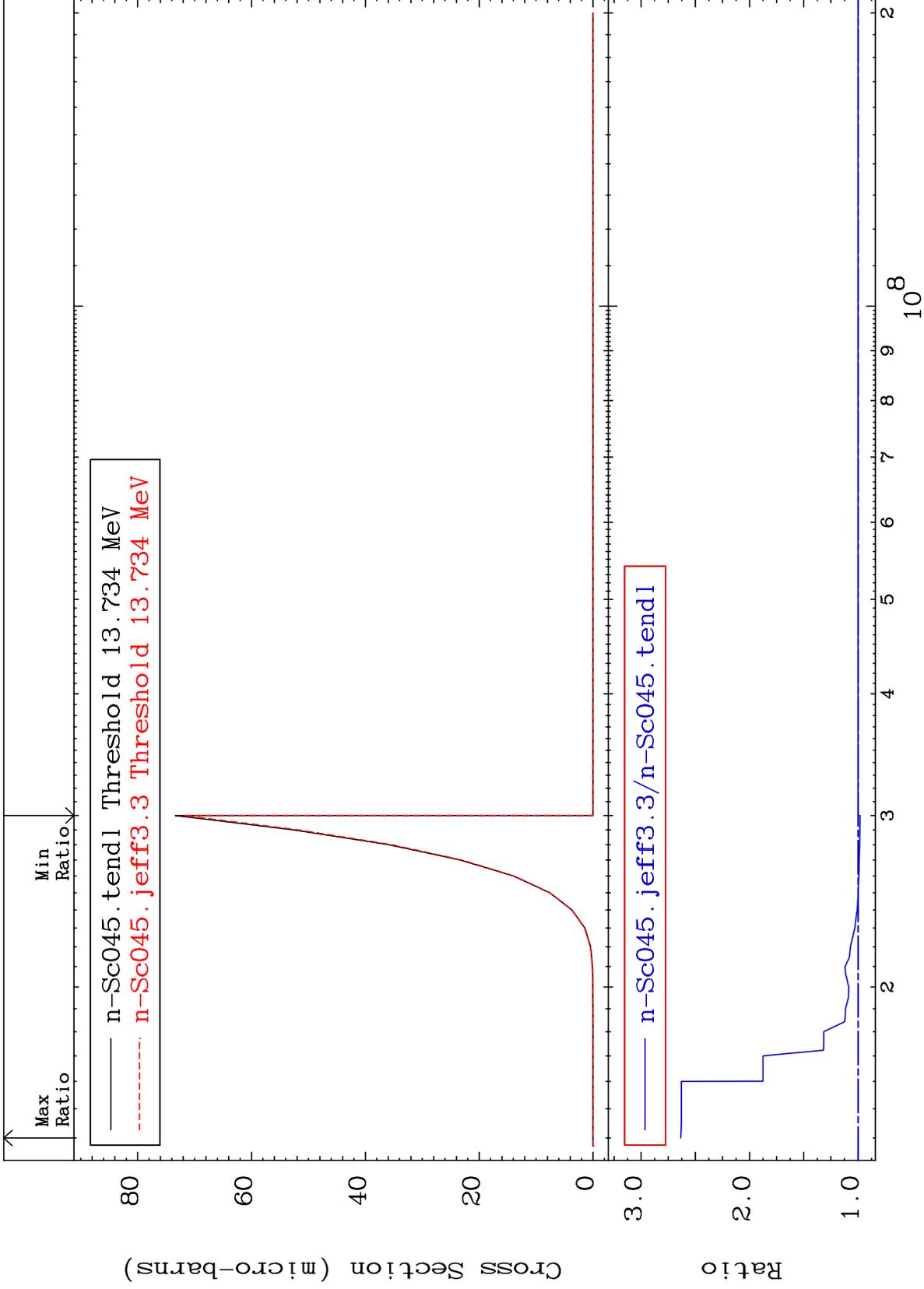
21-Sc-45  
0.000 To 1.460 %

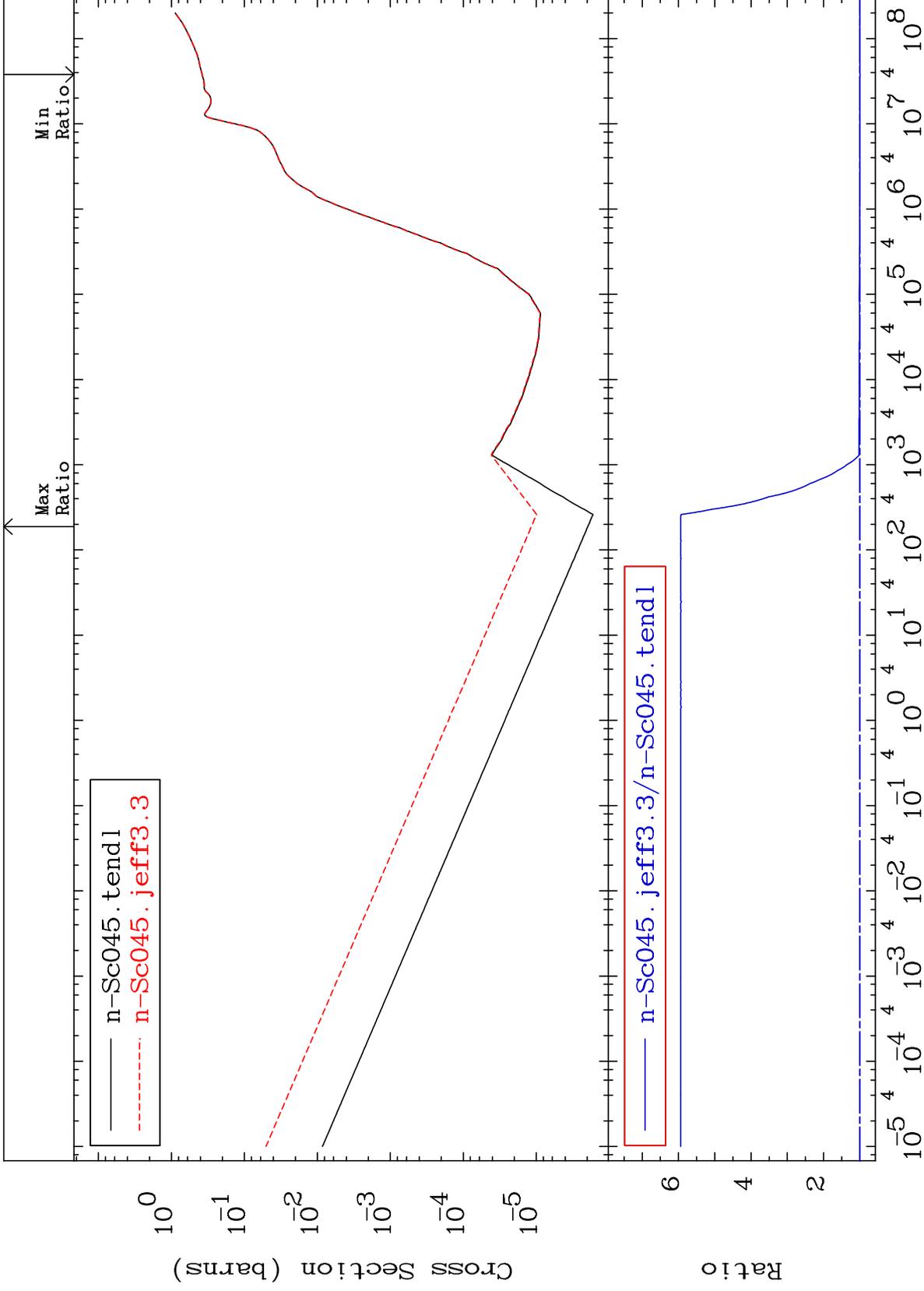


57

Incident Energy (MeV)

21-Sc-45

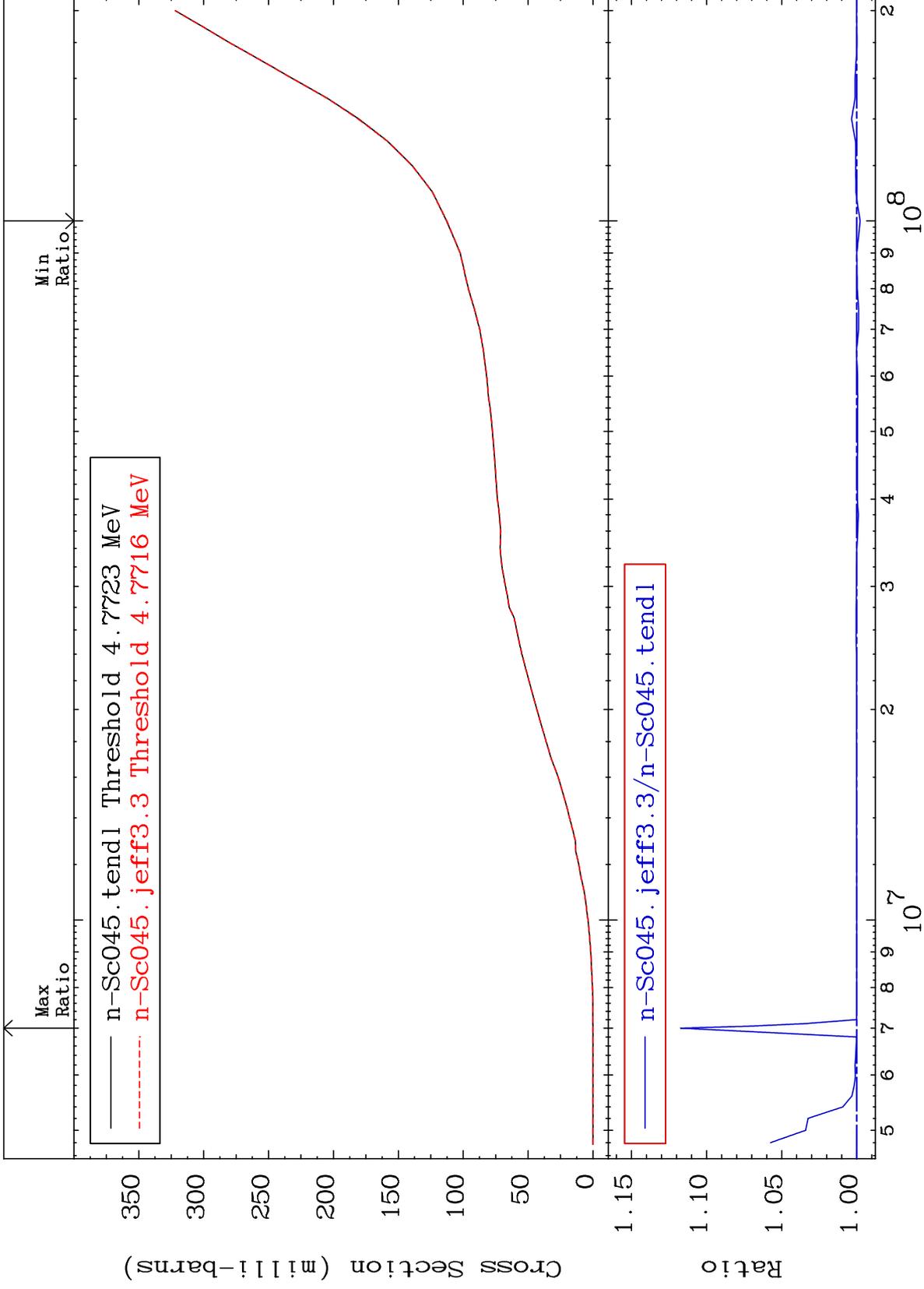




MAT 2125

Deuterium Production  
Cross Section

21-Sc-45  
-0.218 To 11.72 %



60

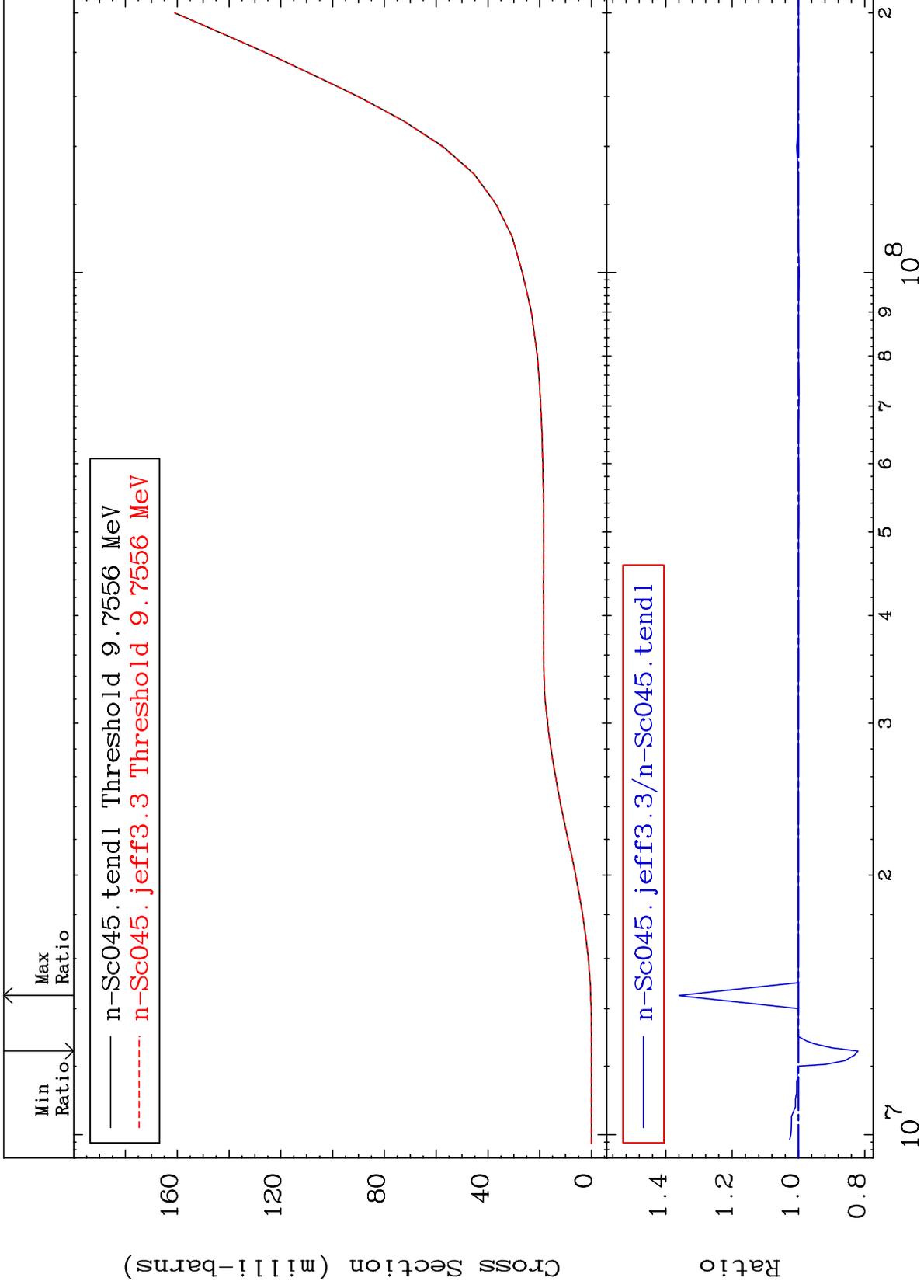
Incident Energy (eV)

21-Sc-45

MAT 2125

Tritium Production  
Cross Section

21-Sc-45  
-17.92 To 36.01 %



61

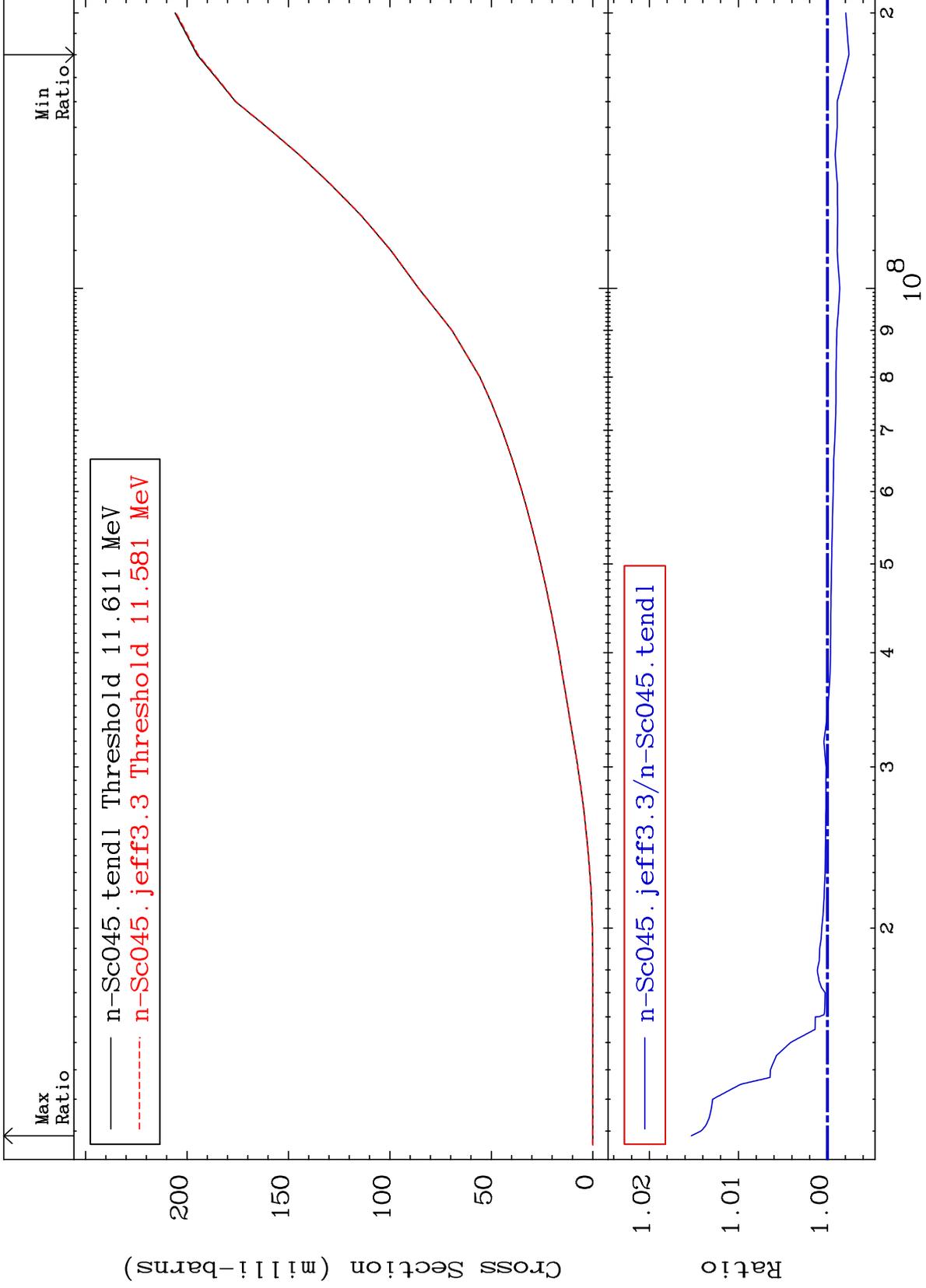
Incident Energy (eV)

21-Sc-45

MAT 2125

He-3 Production  
Cross Section

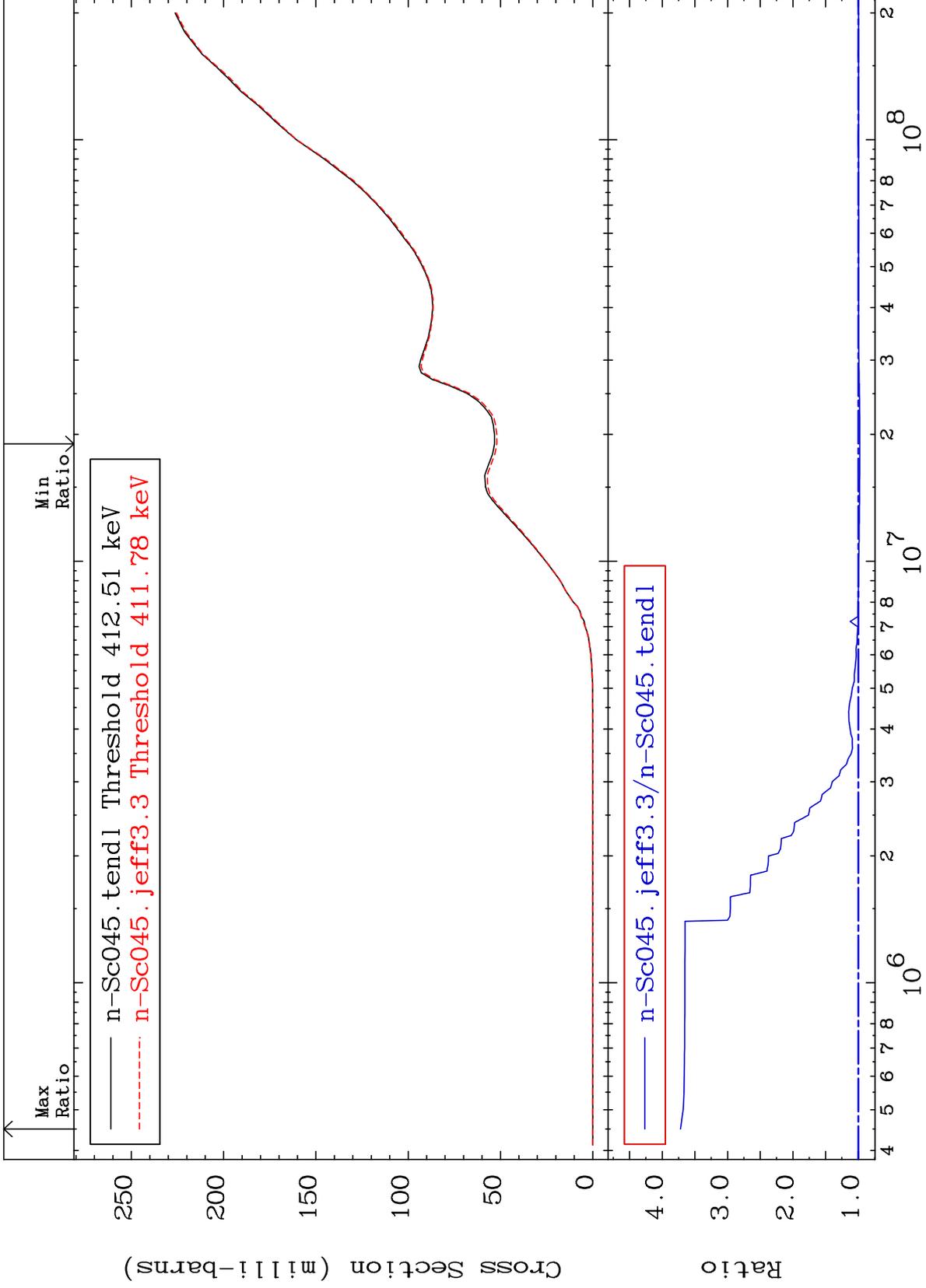
21-Sc-45  
-0.242 To 1.529 %



MAT 2125

He-4 Production  
Cross Section

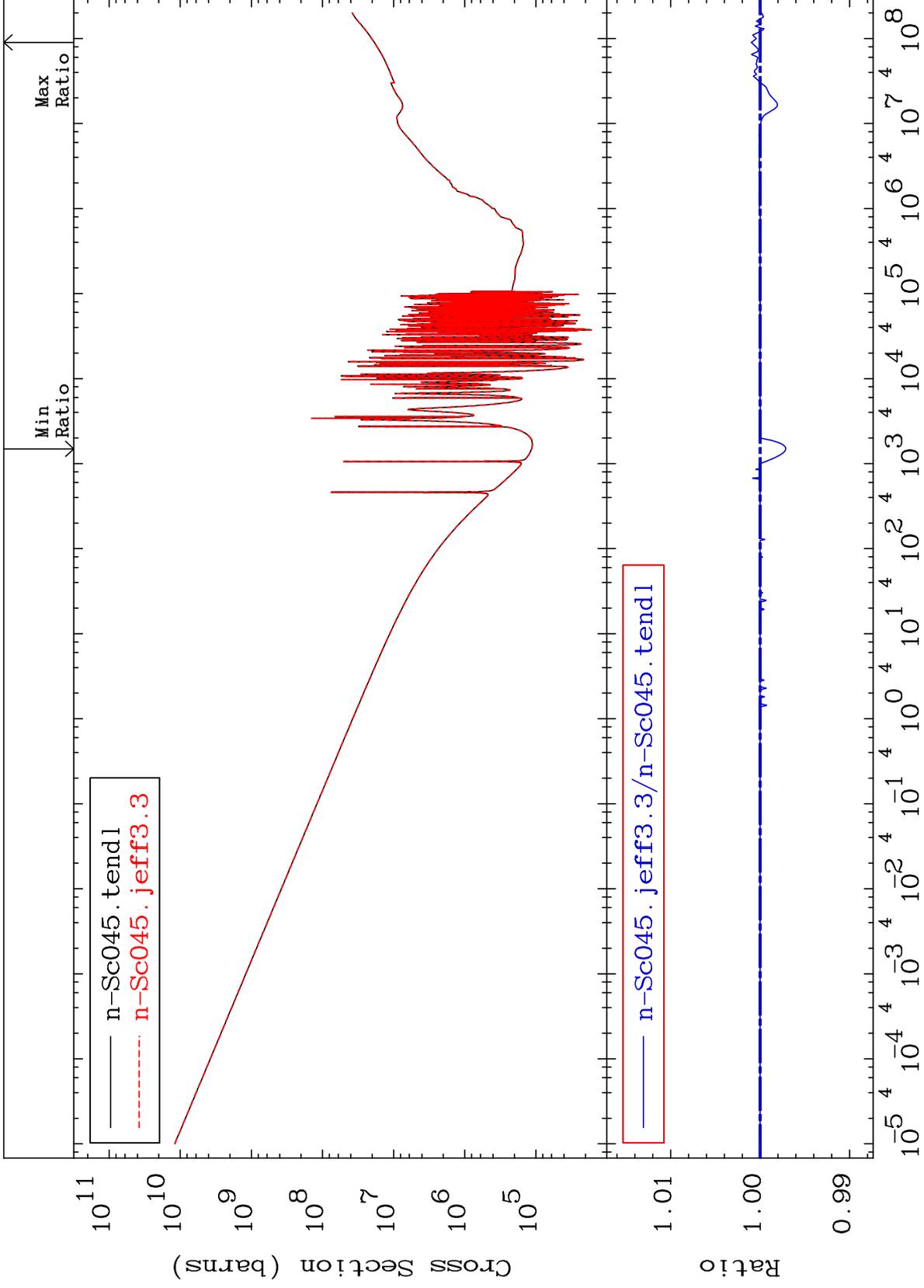
21-Sc-45  
-2.340 To 272.0 %



63

21-Sc-45

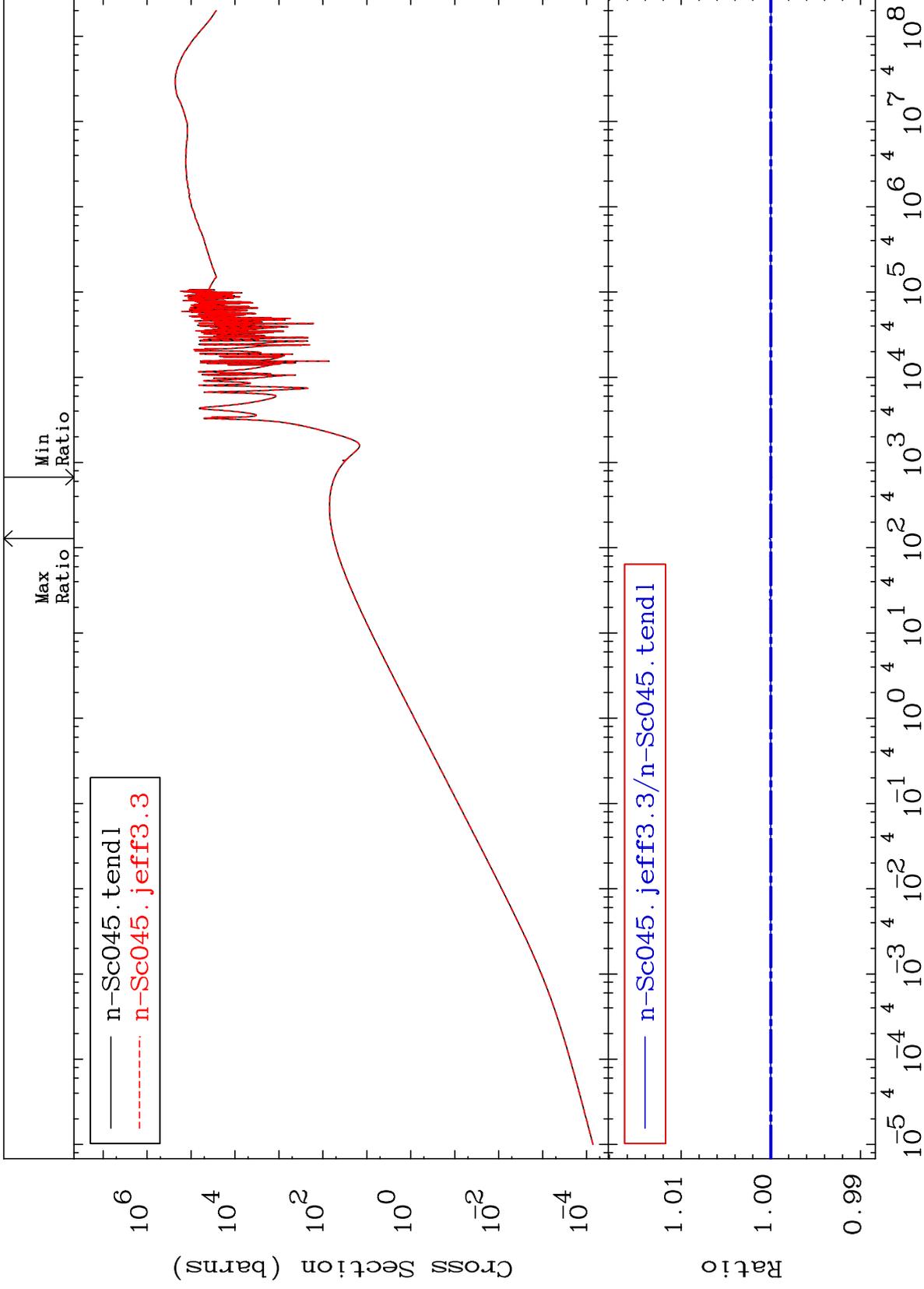
21-Sc-45

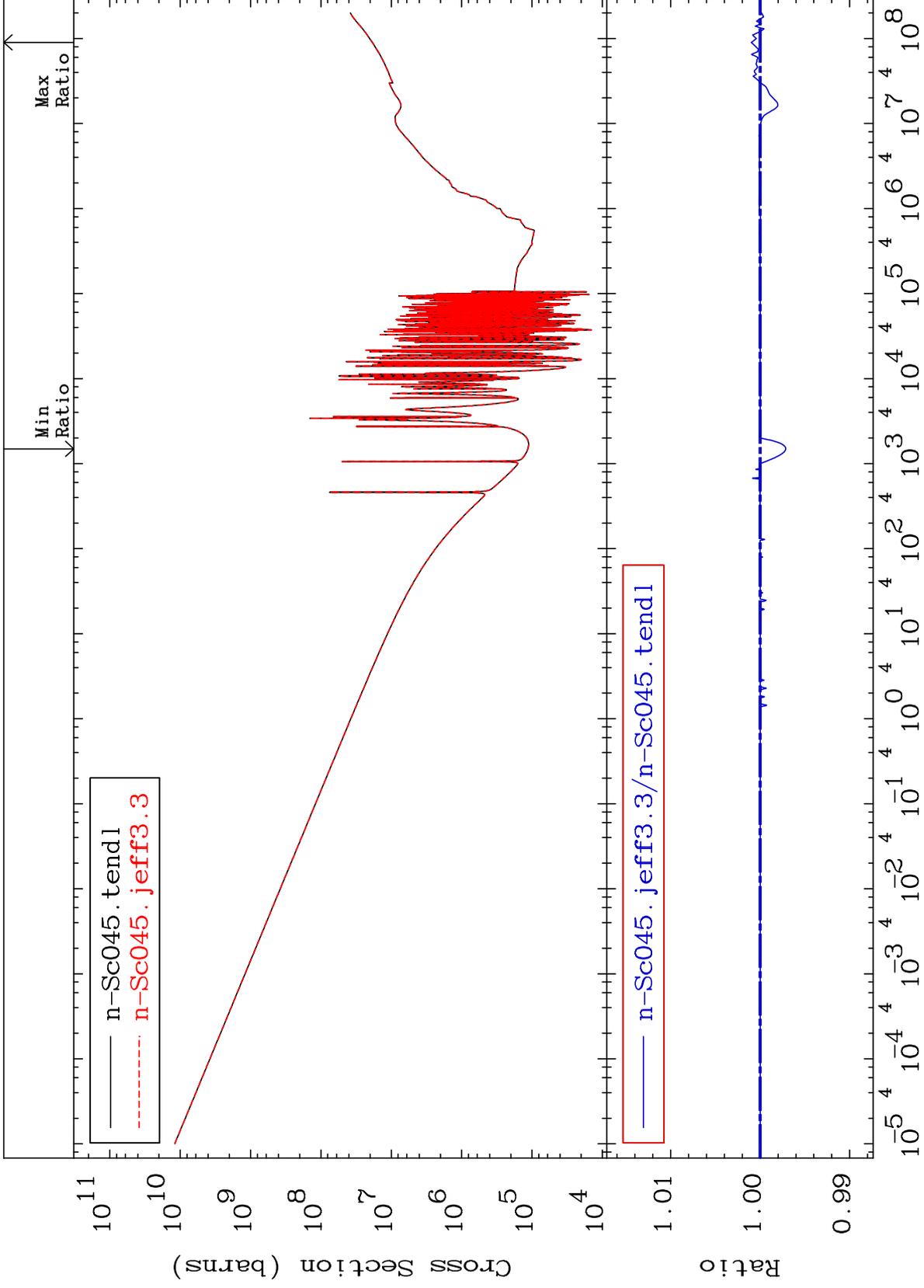


MAT 2125

Kerma elastic  
Cross Section

21-Sc-45  
-0.011 To 0.019 %

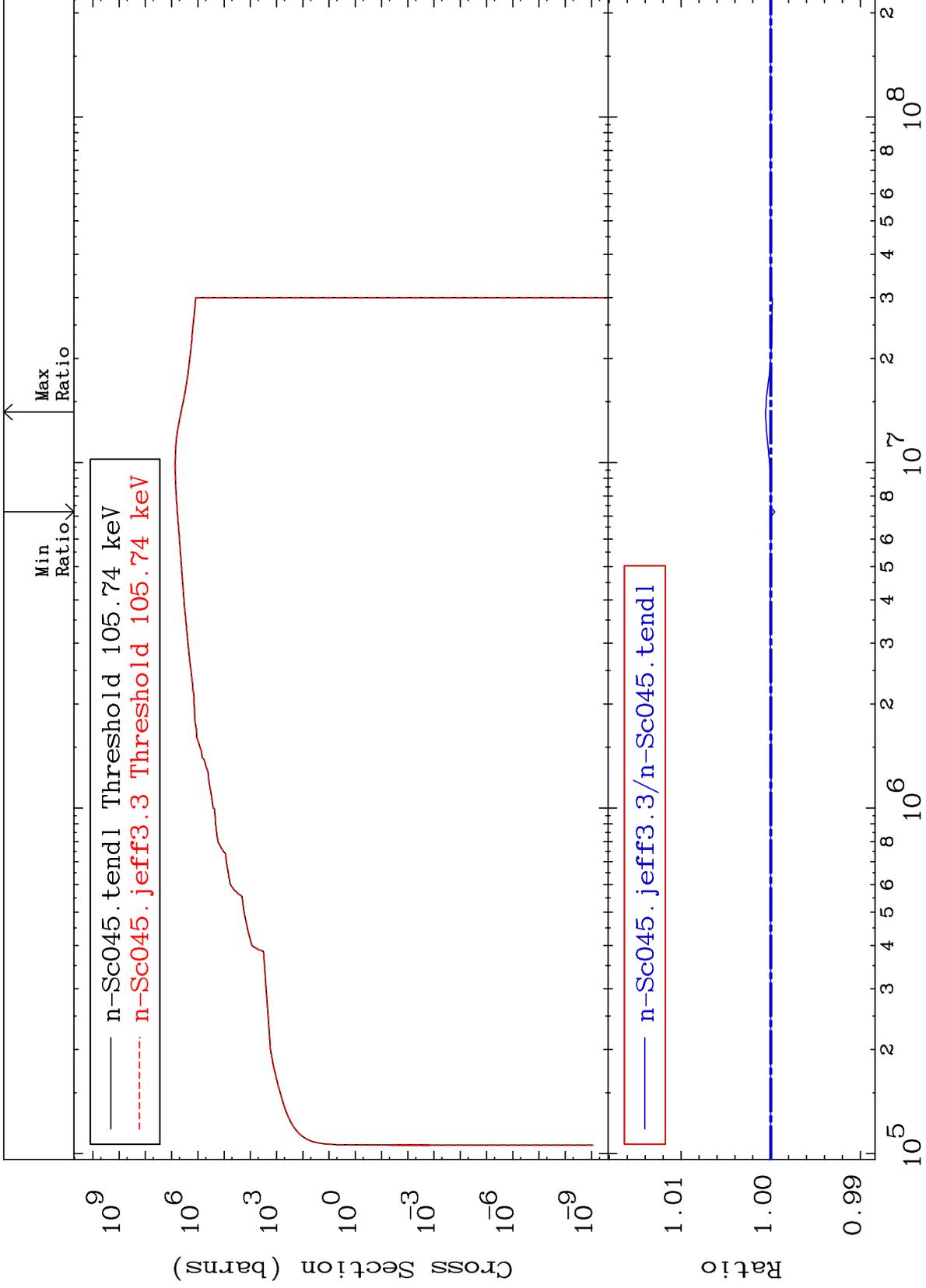




MAT 2125

Kerma inelastic (mt51-91)  
Cross Section

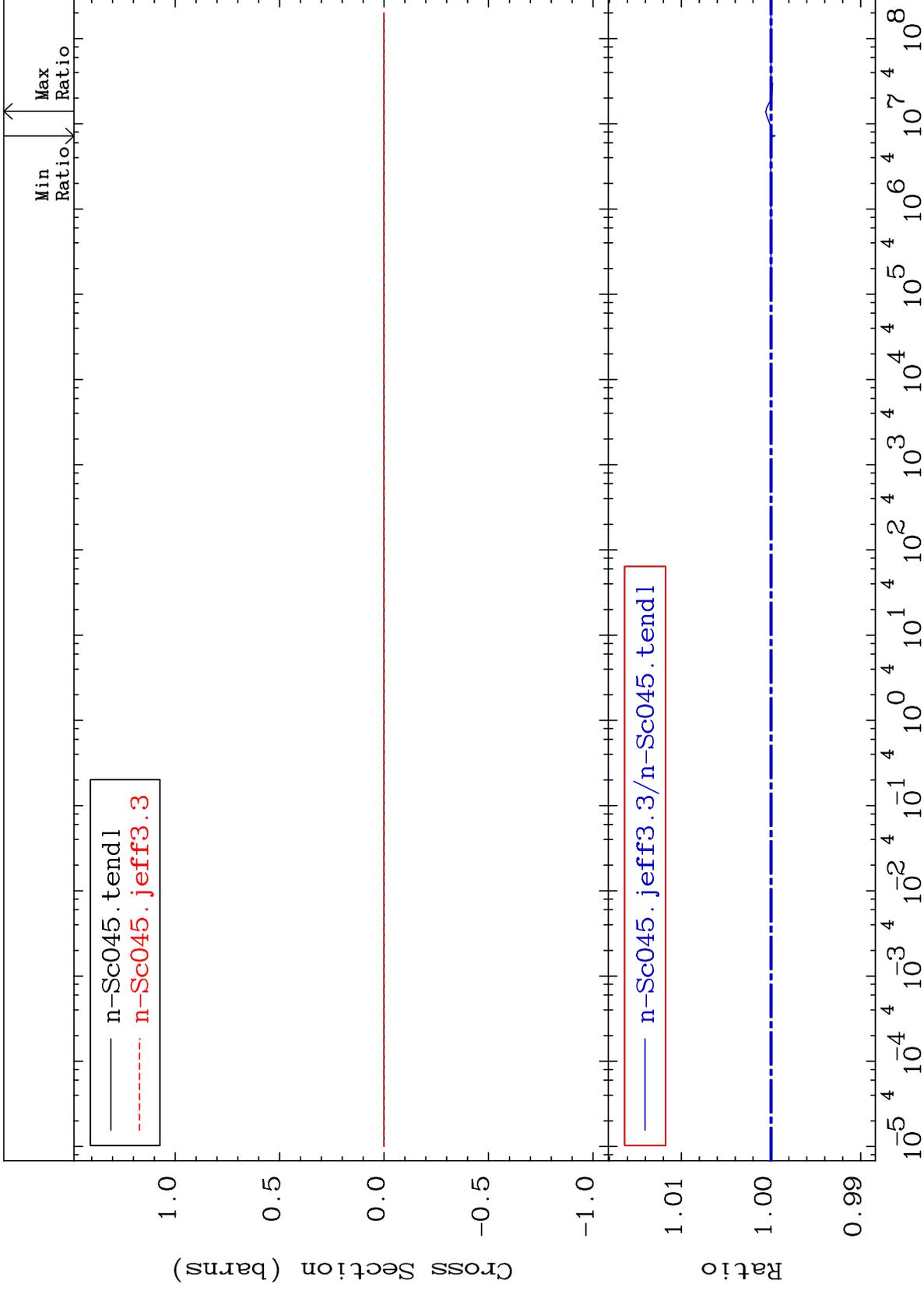
21-Sc-45  
-0.046 To 0.058 %

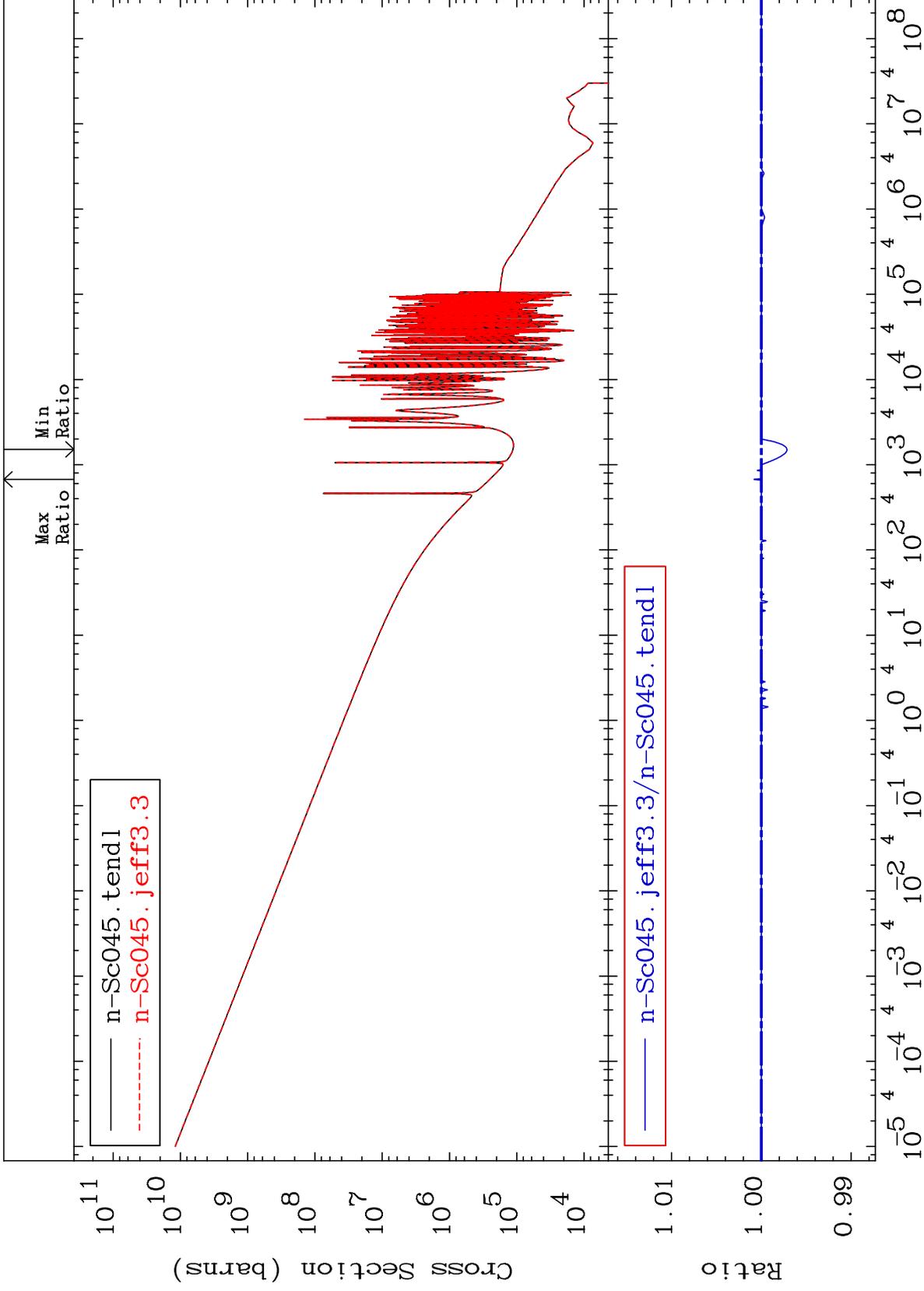


67

Incident Energy (eV)

21-Sc-45

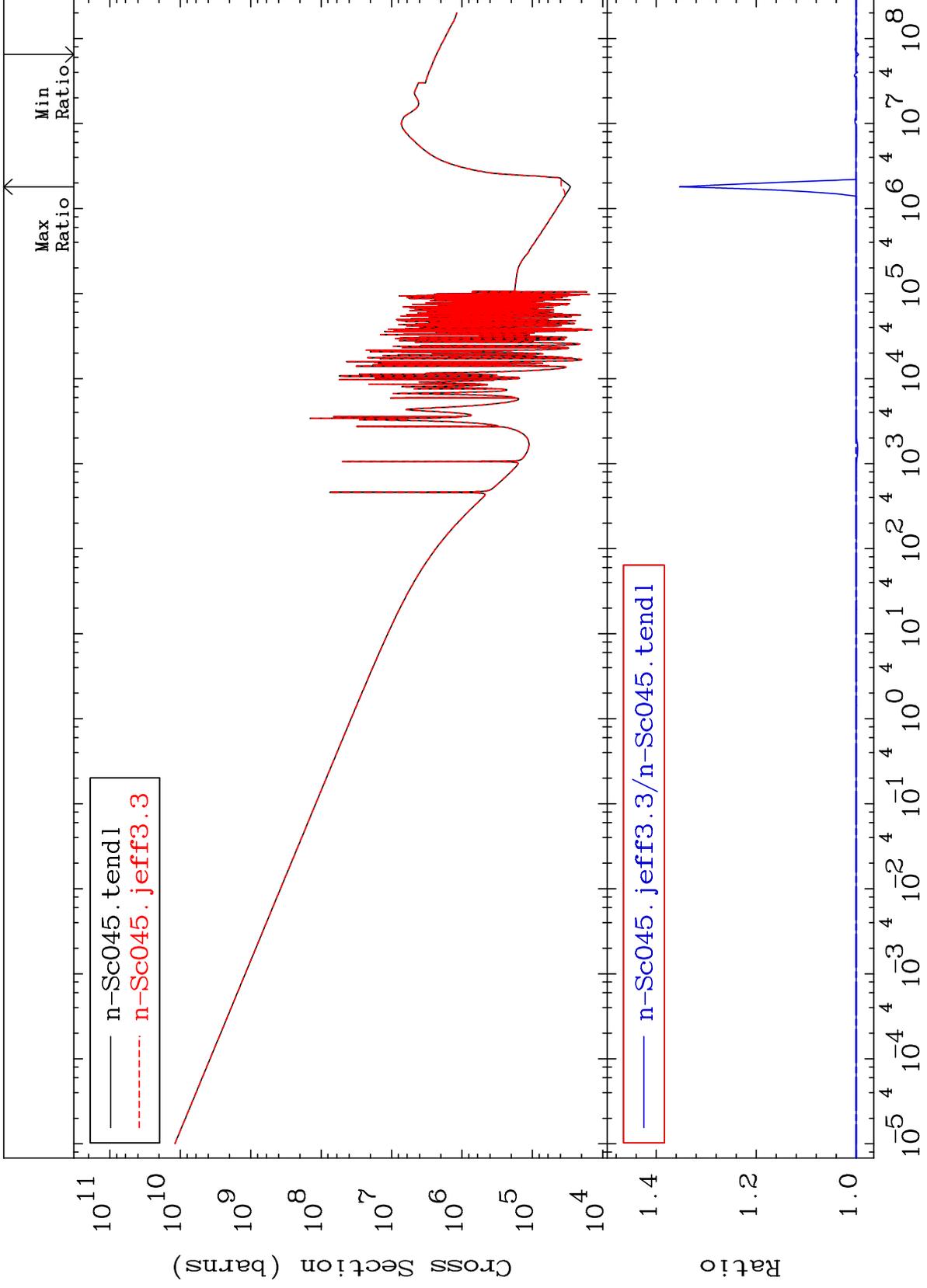




MAT 2125

Total photon (eV-barns)  
Cross Section

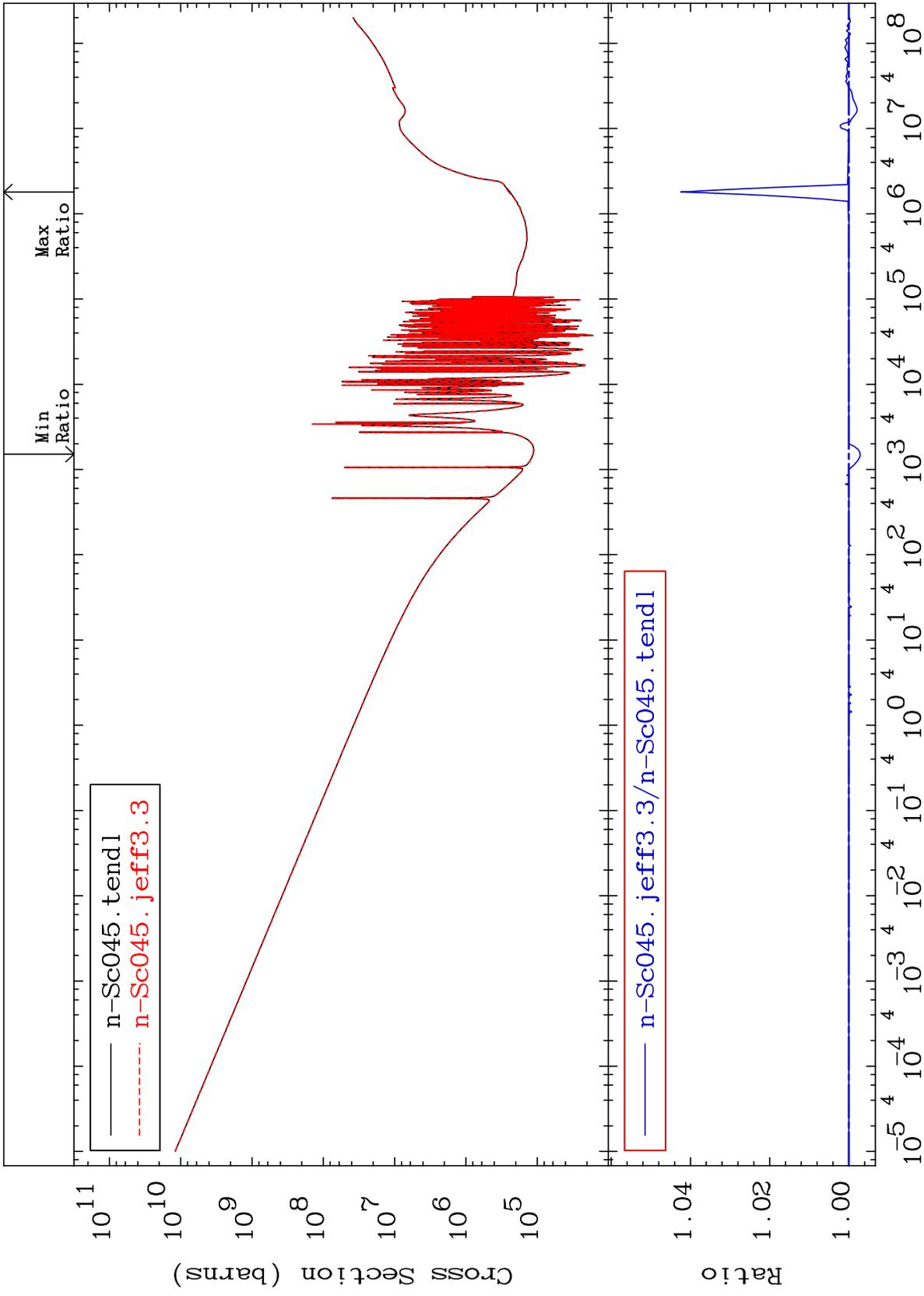
21-Sc-45  
-0.471 To 35.33 %



70

Incident Energy (eV)

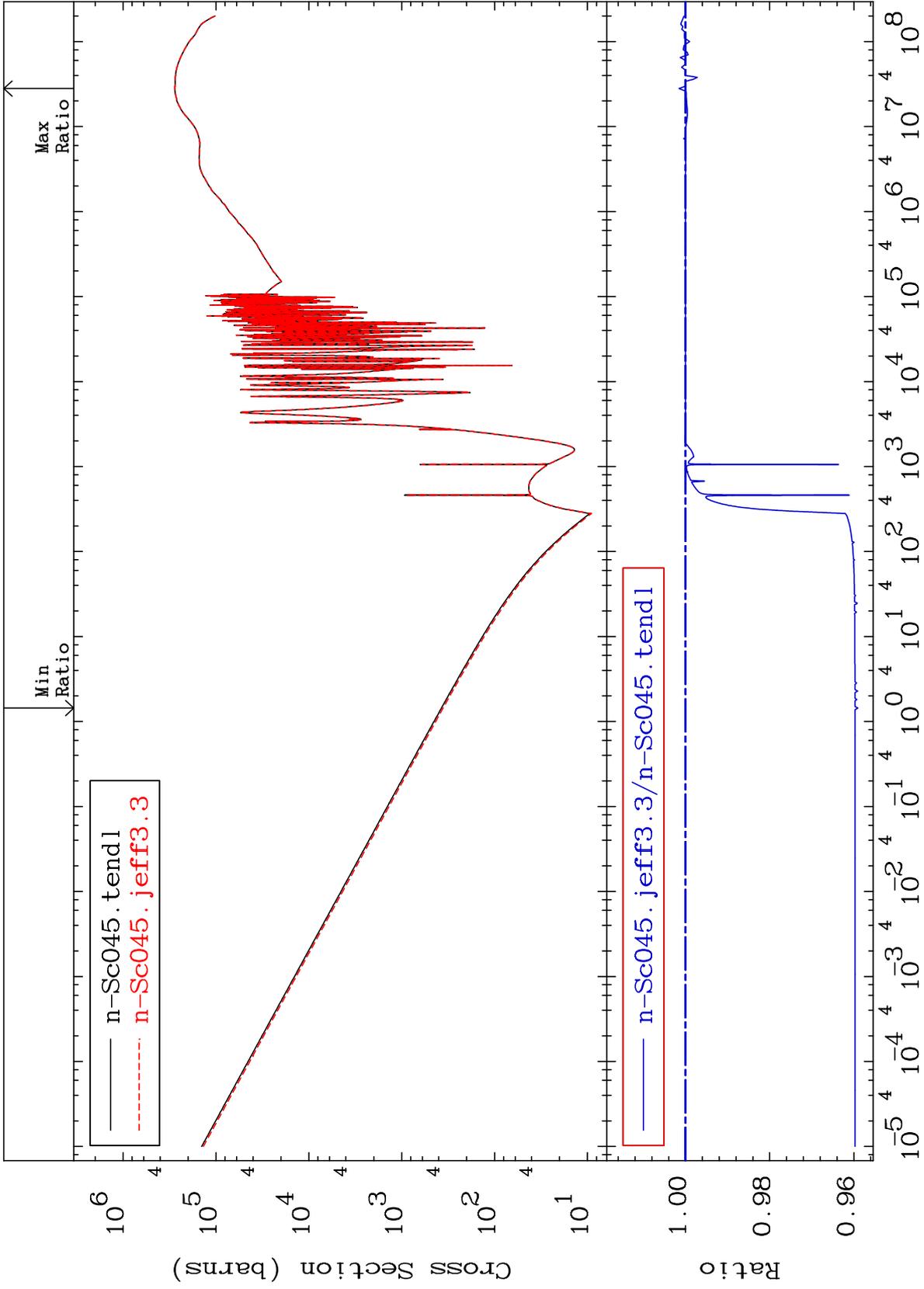
21-Sc-45

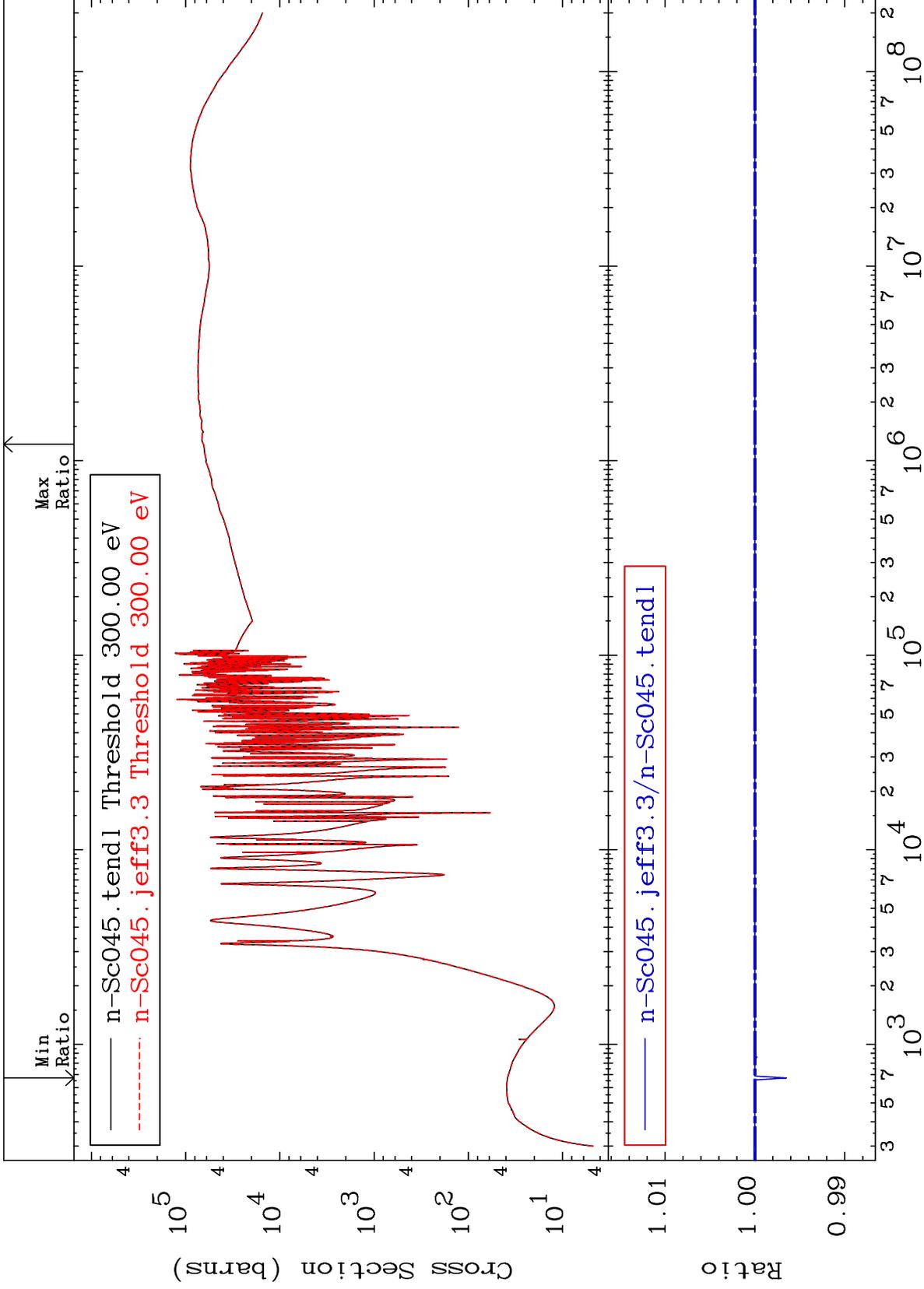


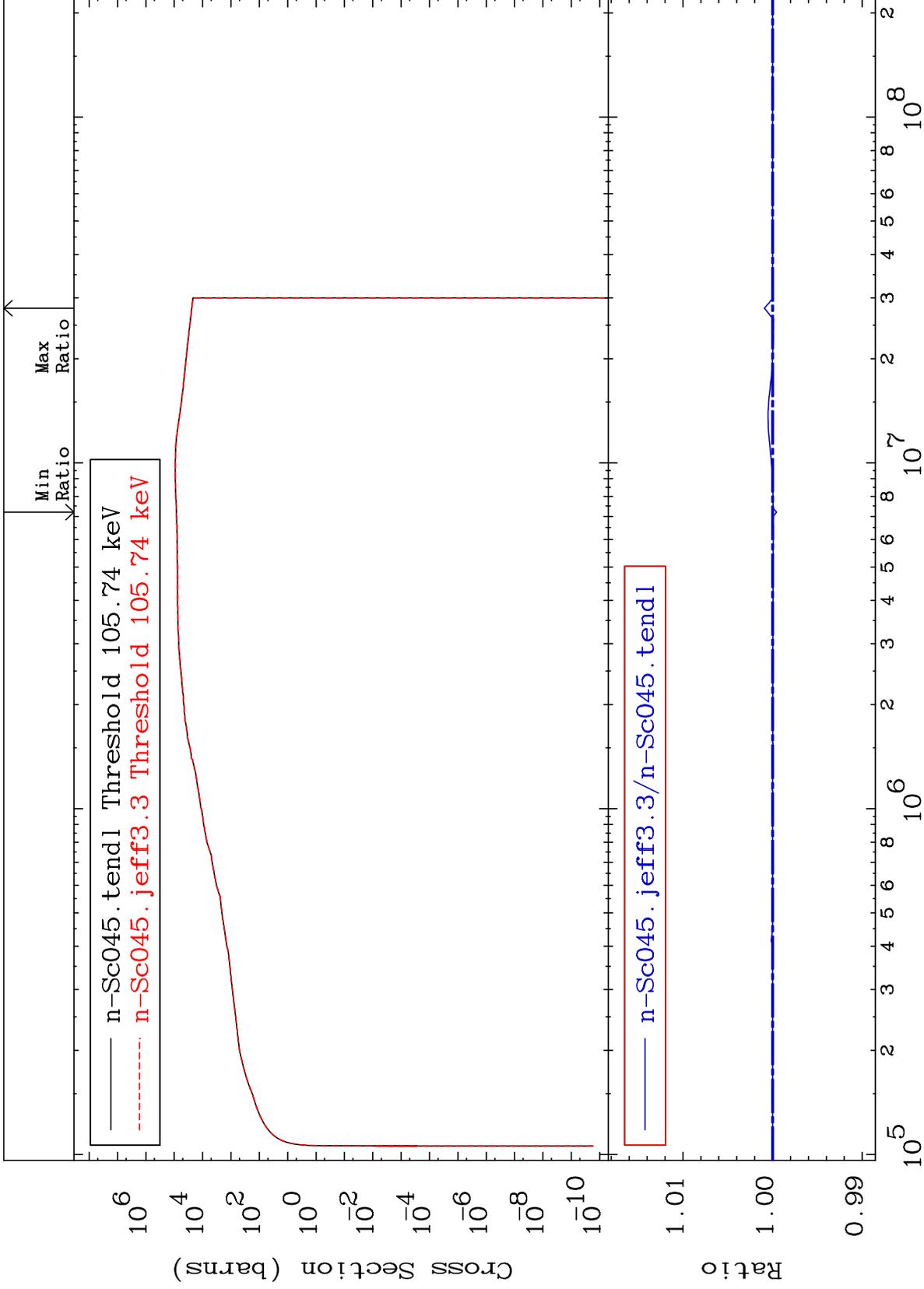
MAT 2125

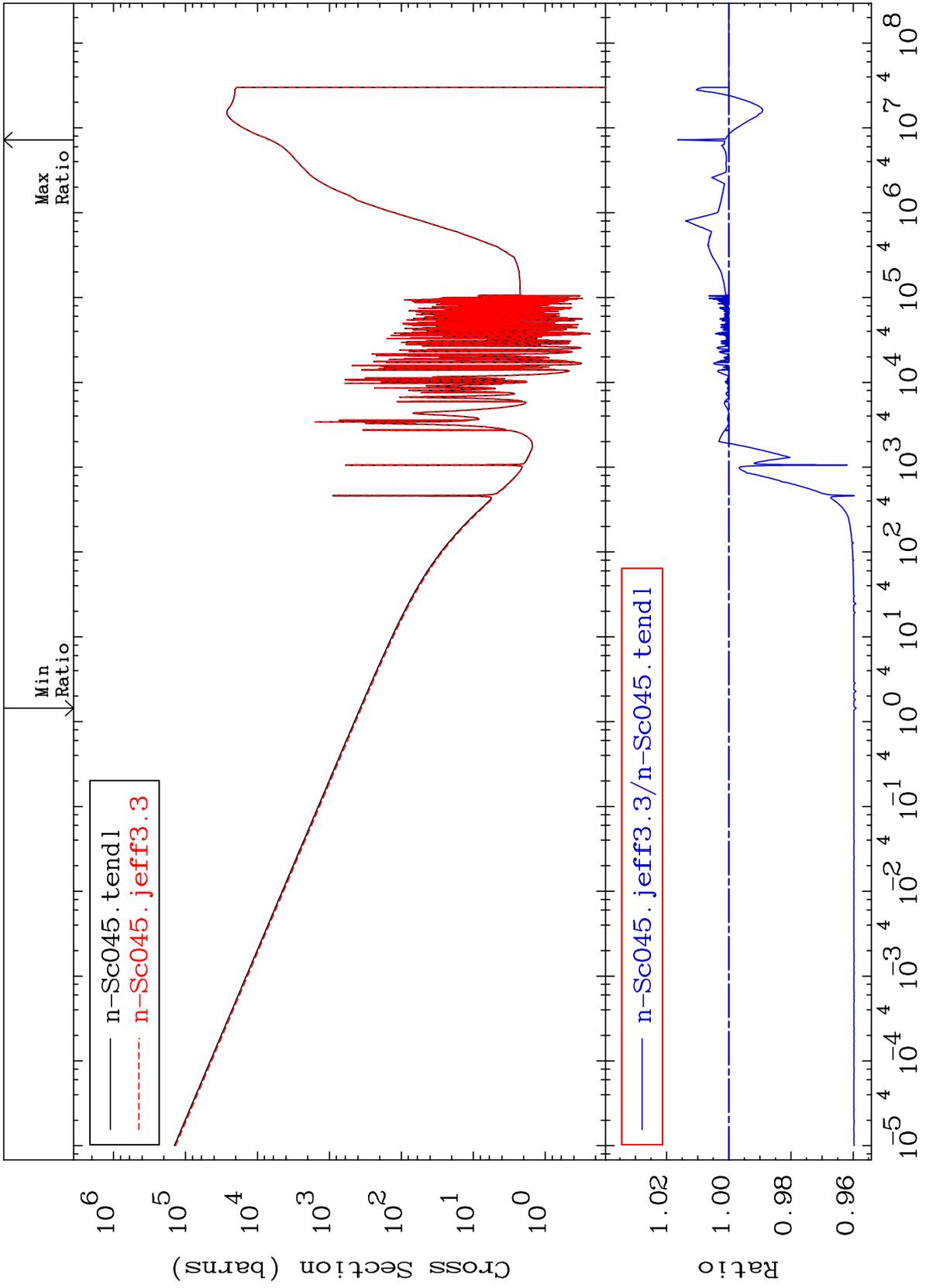
Dpa total (eV-barns)  
Cross Section

21-Sc-45  
-4.096 To 0.154 %







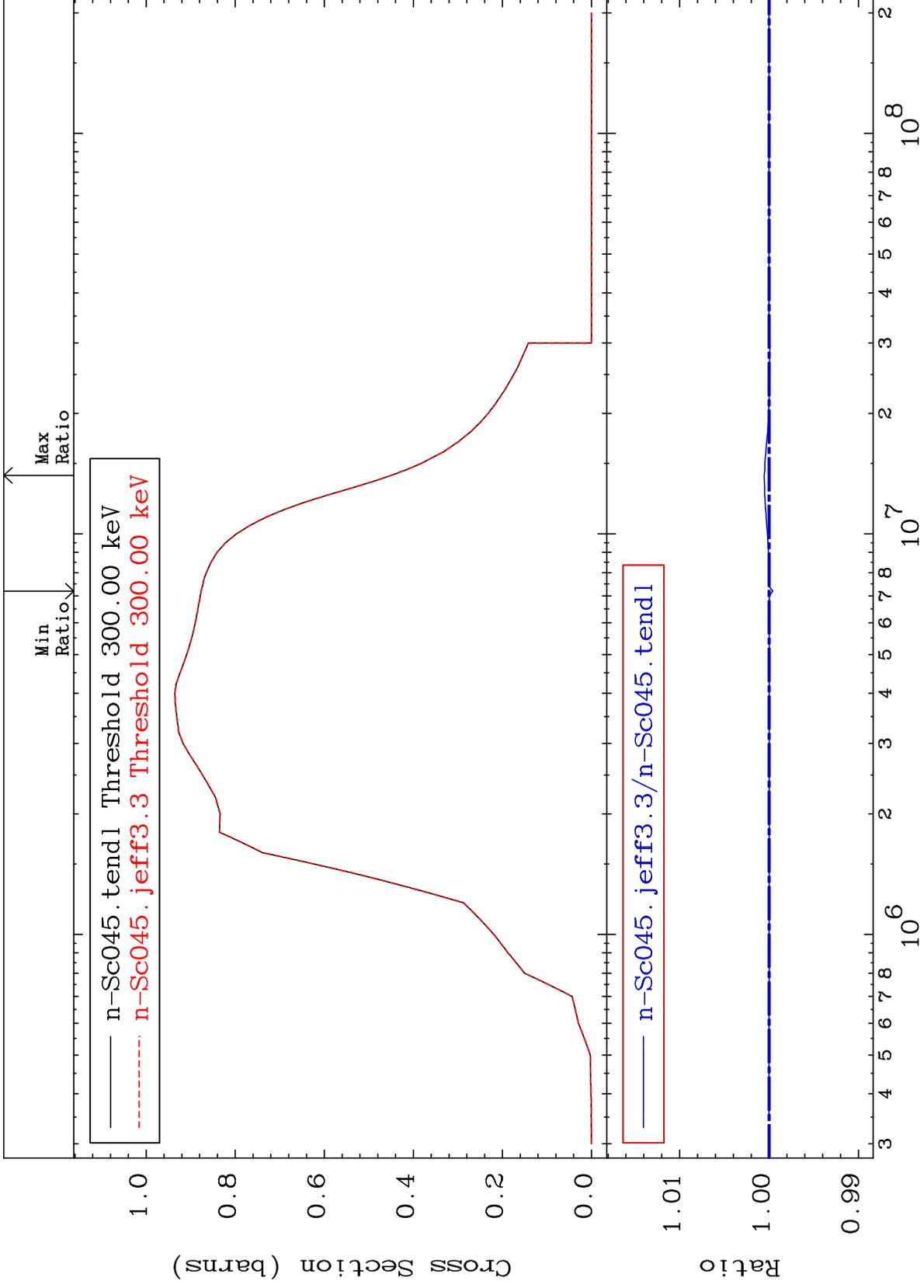


MAT 2125

Inelastic:21-Sc-45g

21-Sc-45

Radionuclide Production Cross Section -0.041 To 0.054 %



76

Incident Energy (eV)

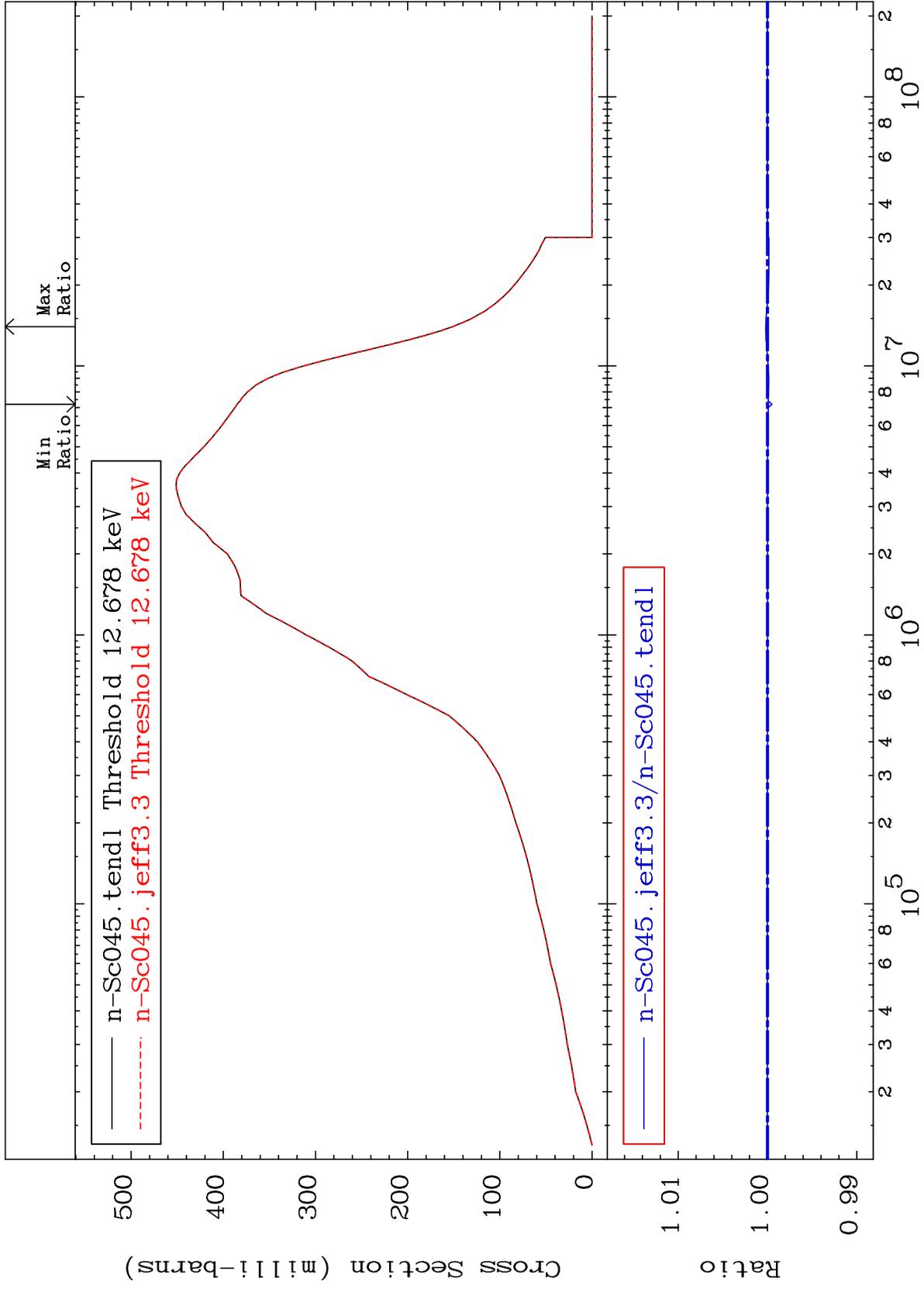
21-Sc-45

MAT 2125

21-Sc-45

Inelastic:21-Sc-45m1

Radionuclide Production Cross Section -0.050 To 0.021 %

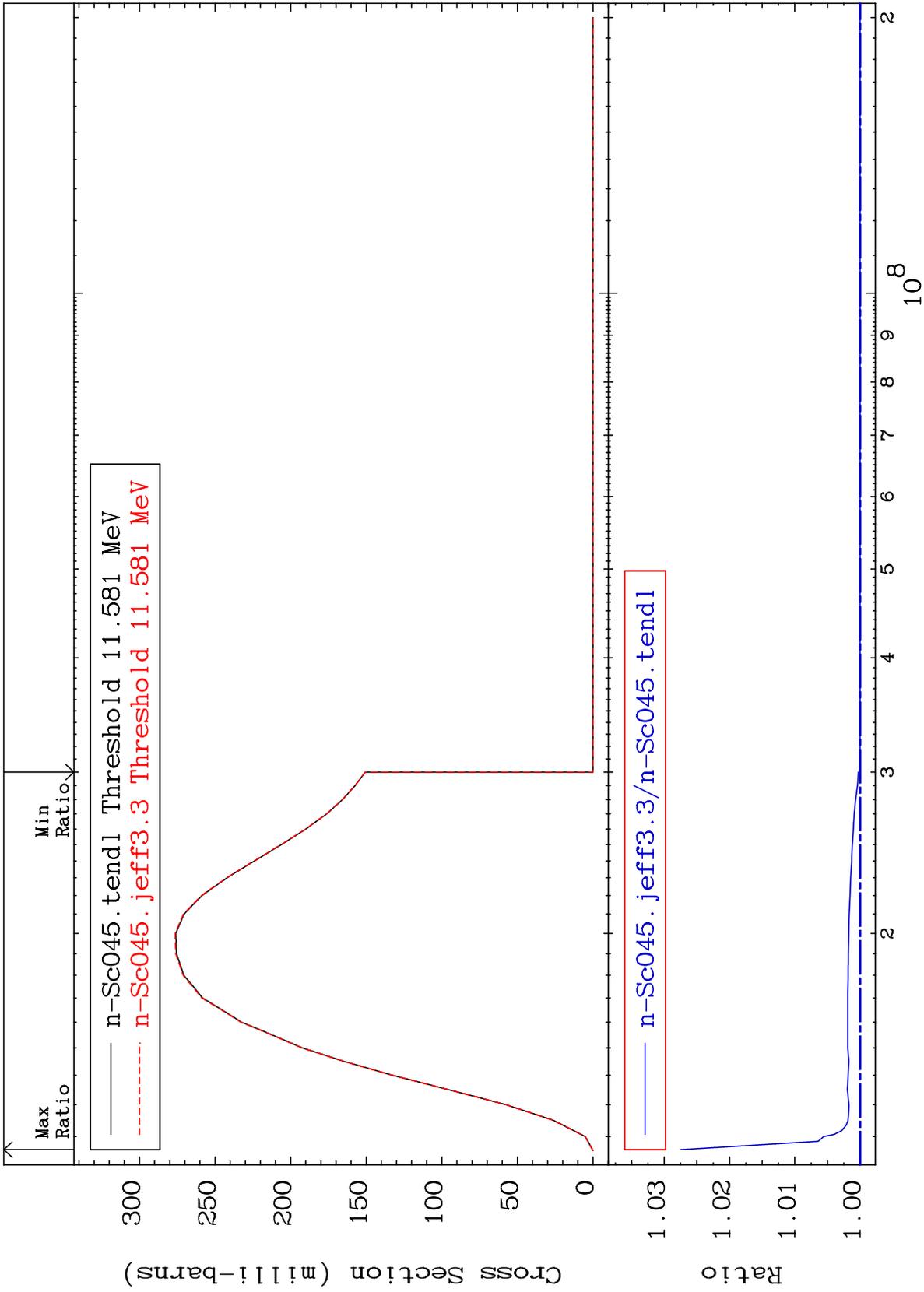


77

Incident Energy (eV)

21-Sc-45

Radionuclide Production Cross Section 0.000 To 2.747 %

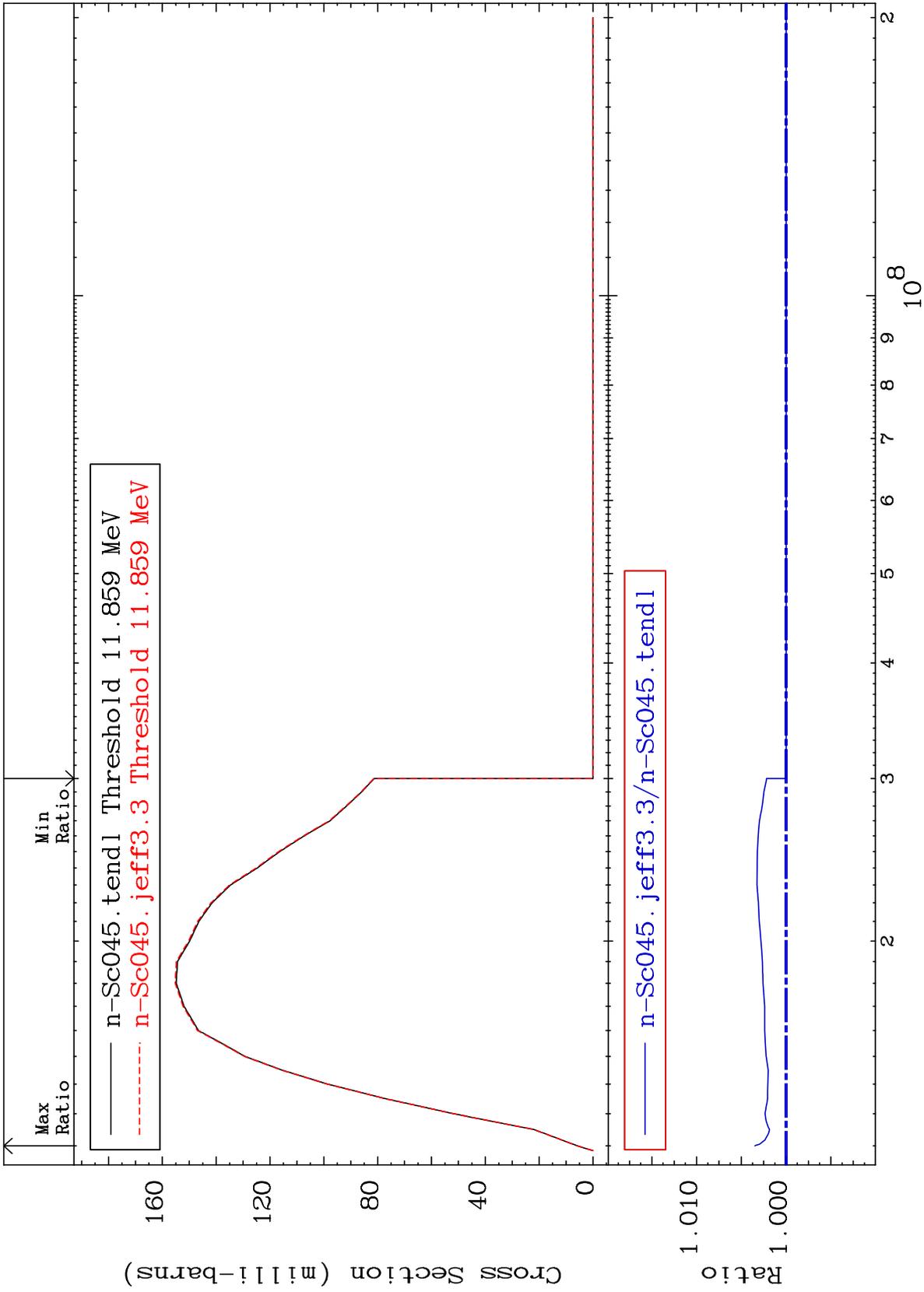


MAT 2125

(n,2n):21-Sc-44m4

21-Sc-45

Radionuclide Production Cross Section 0.000 To 0.350 %

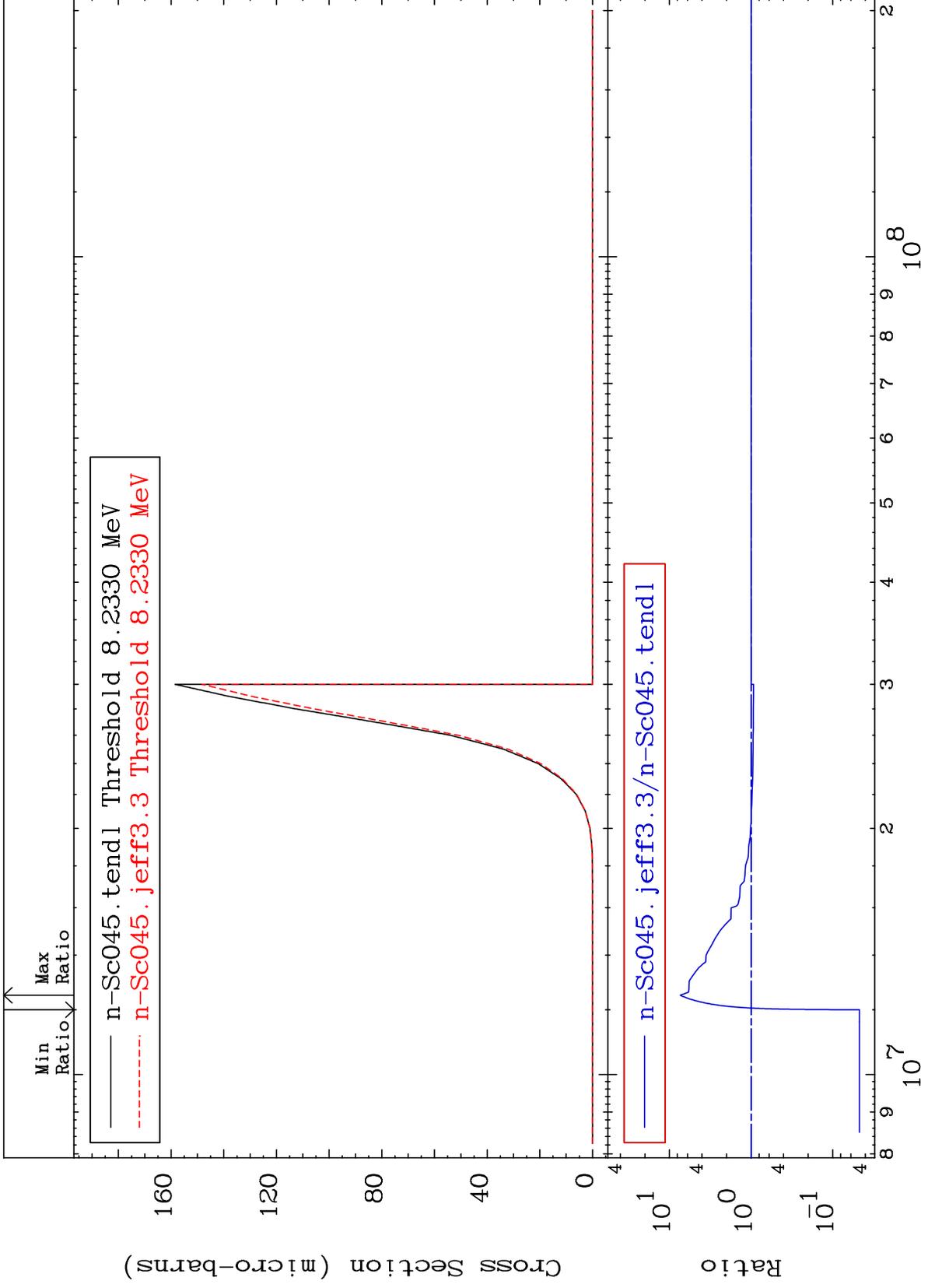


MAT 2125

(n,2α): 17-Cl-38g

21-Sc-45

Radionuclide Production Cross Section -95.30 To 637.5 %



80

Incident Energy (eV)

21-Sc-45

Radionuclide Production Cross Section -11.63 To 537.1 %

