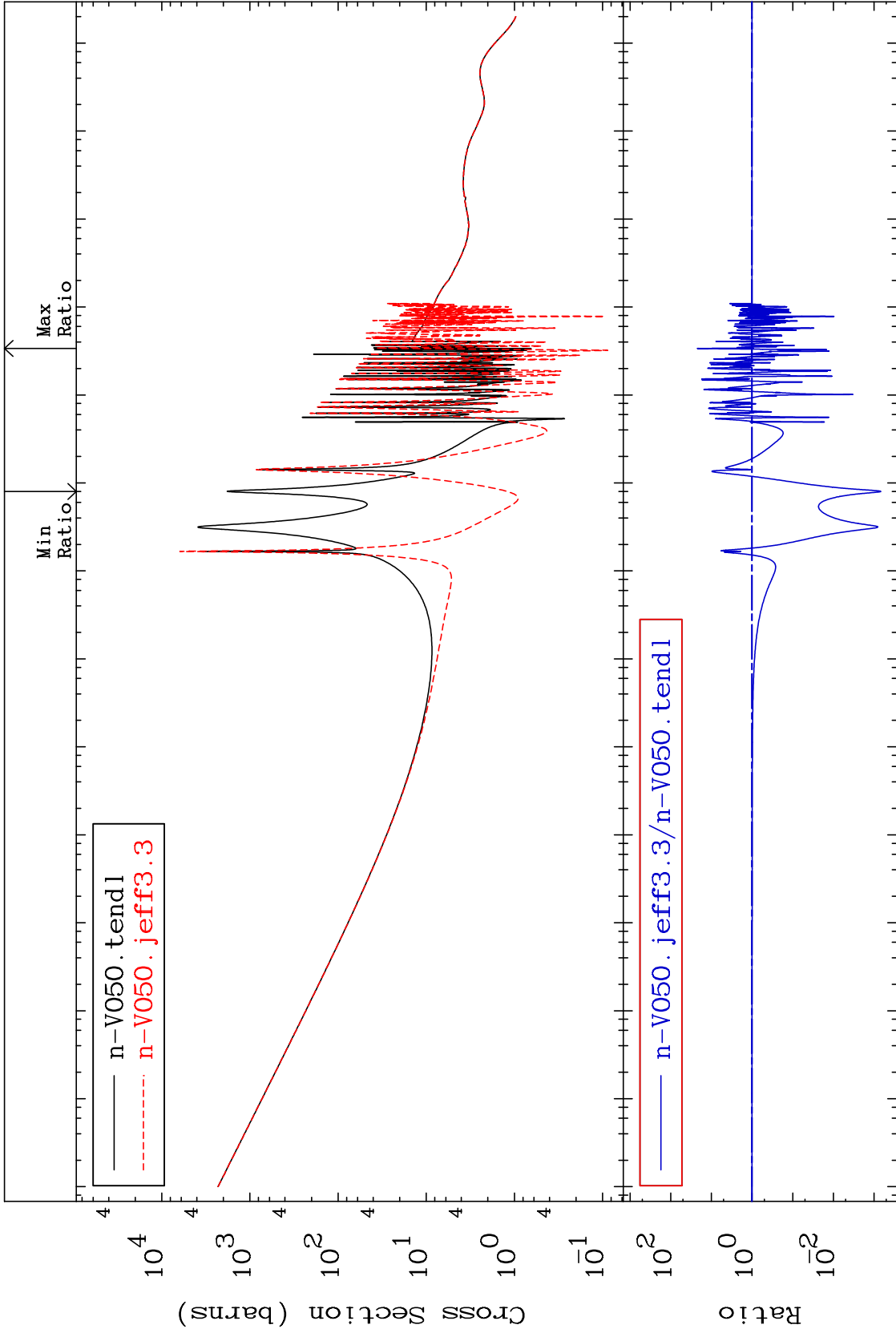


MAT 2325

Total Cross Section

23-V -50  
-99.93 To 2093. %



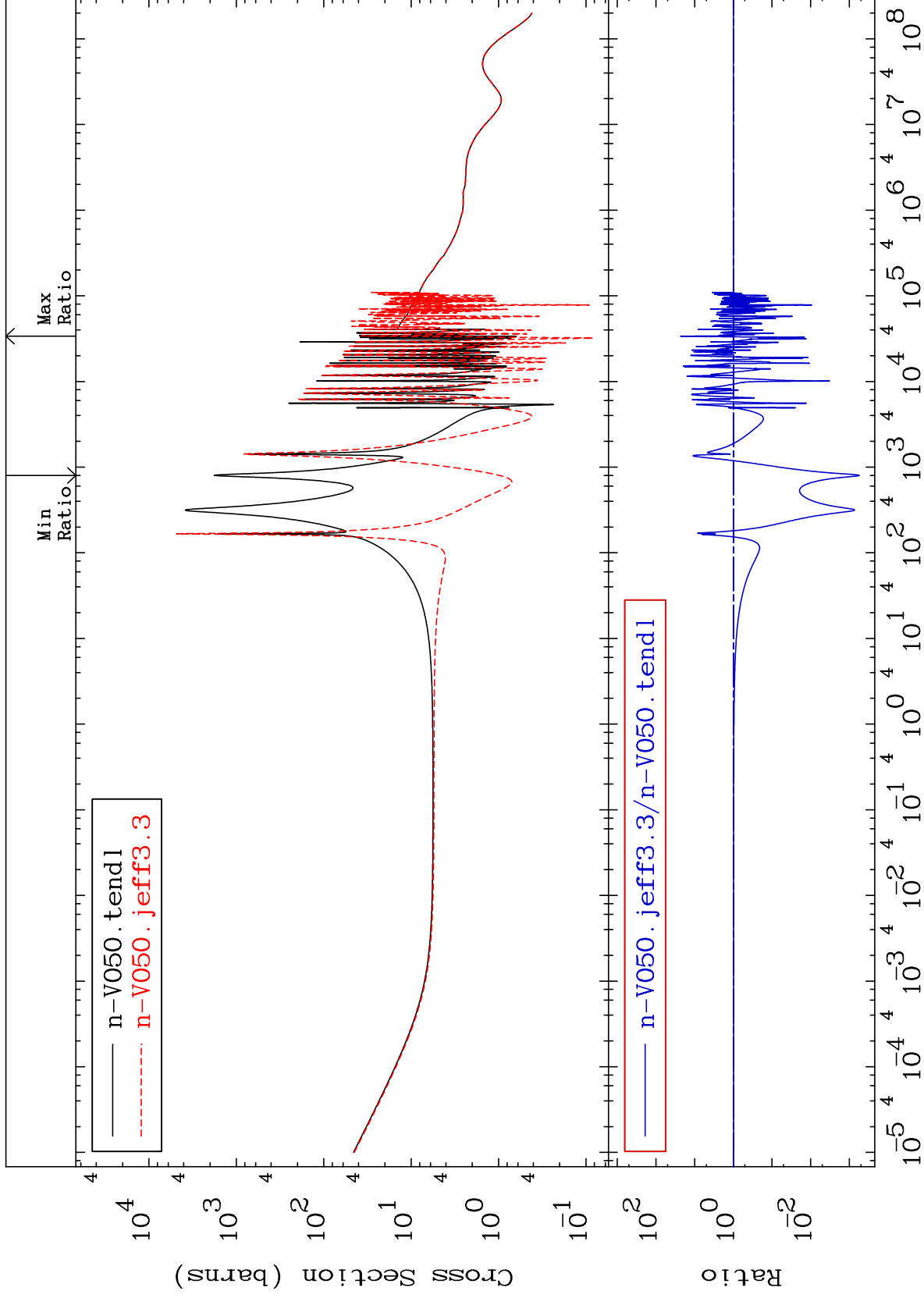
Incident Energy (eV)

23-V -50

MAT 2325

Elastic  
Cross Section

23-V -50  
-99.95 To 2174. %



2

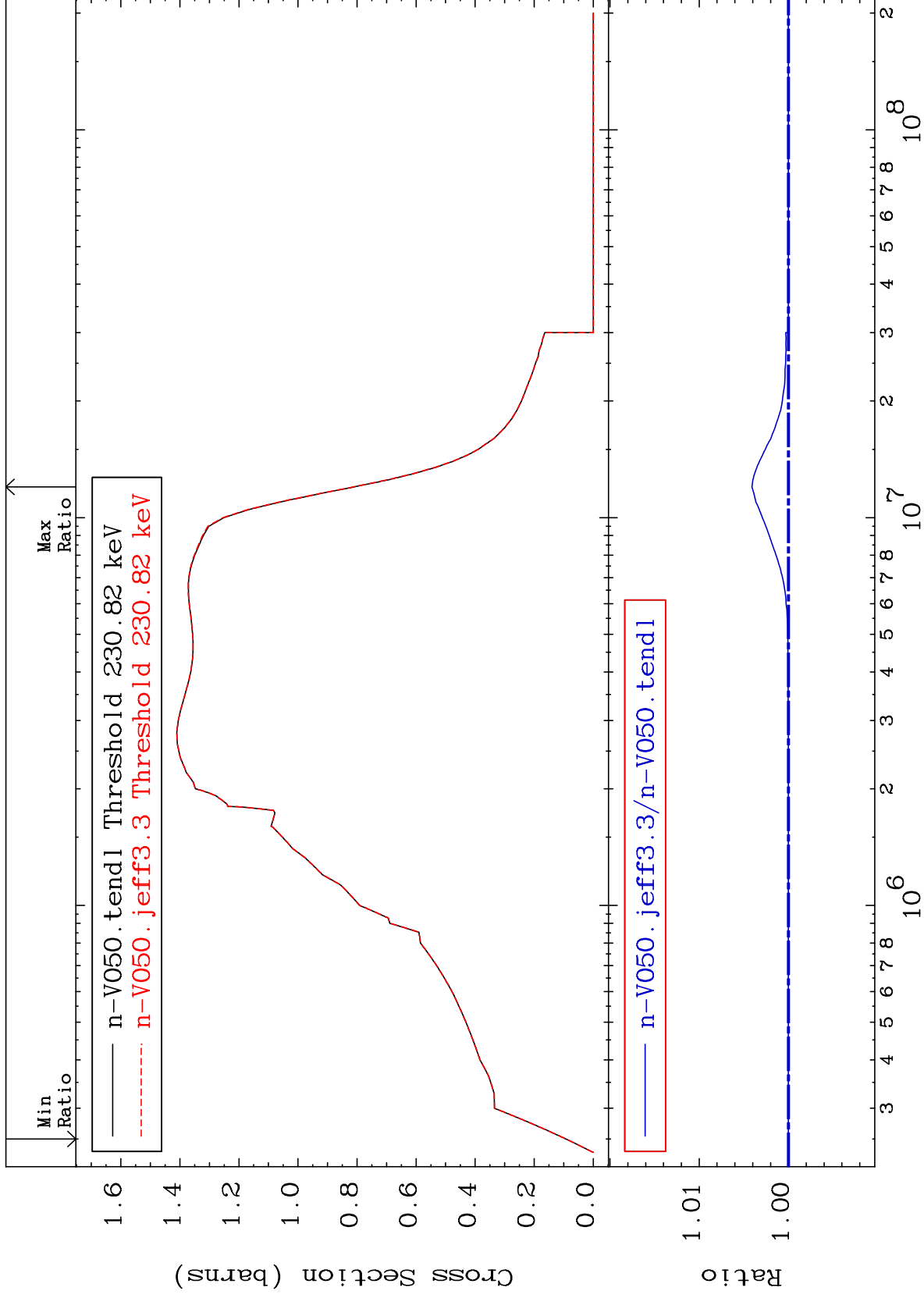
Incident Energy (eV)

23-V -50

MAT 2325

Inelastic  
Cross Section

23-V -50  
0.000 To 0.409 %



3

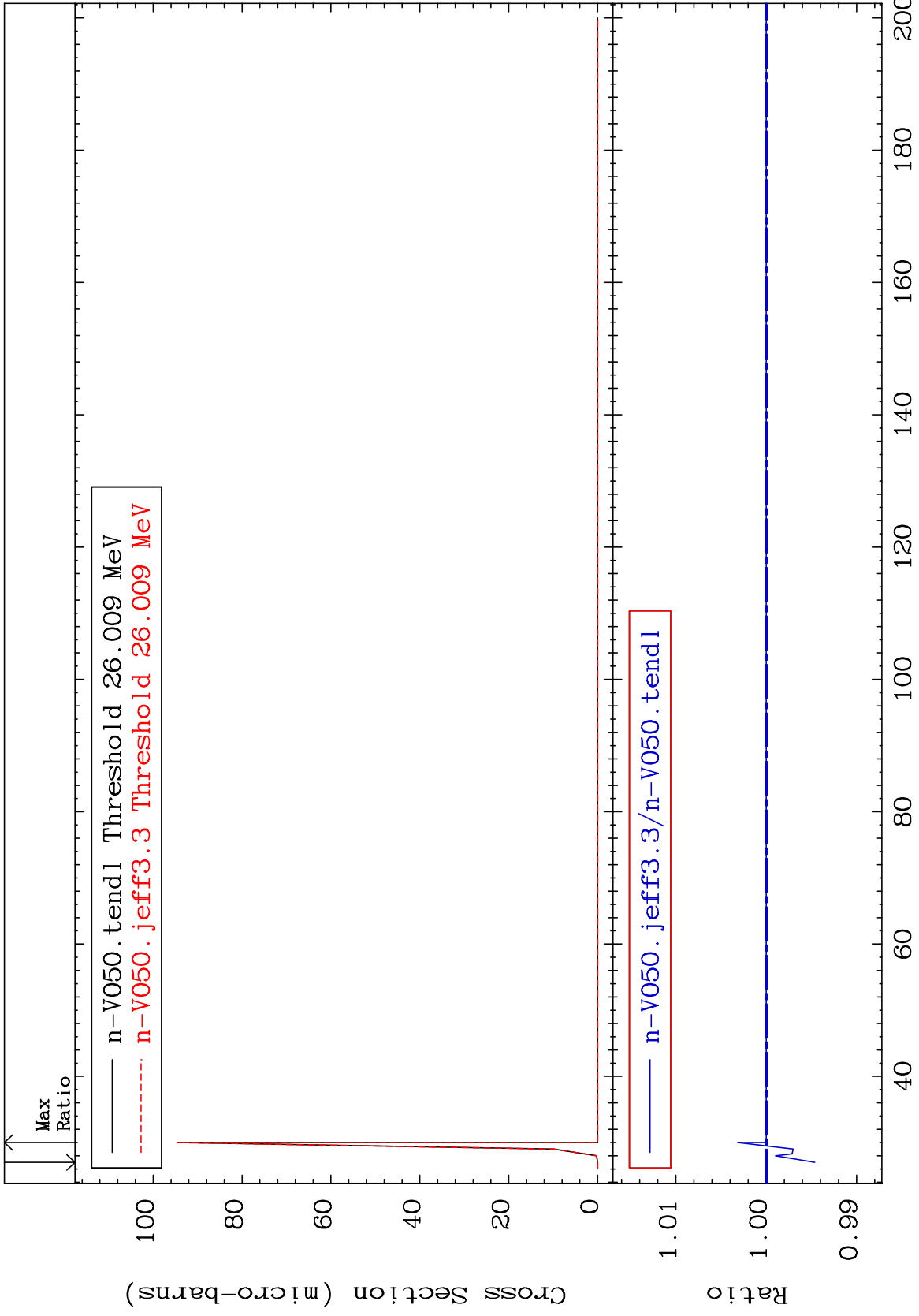
Incident Energy (eV)

23-V -50

MAT 2325

(n,2n) d  
Cross Section

23-V -50  
-0.537 To 0.316 %



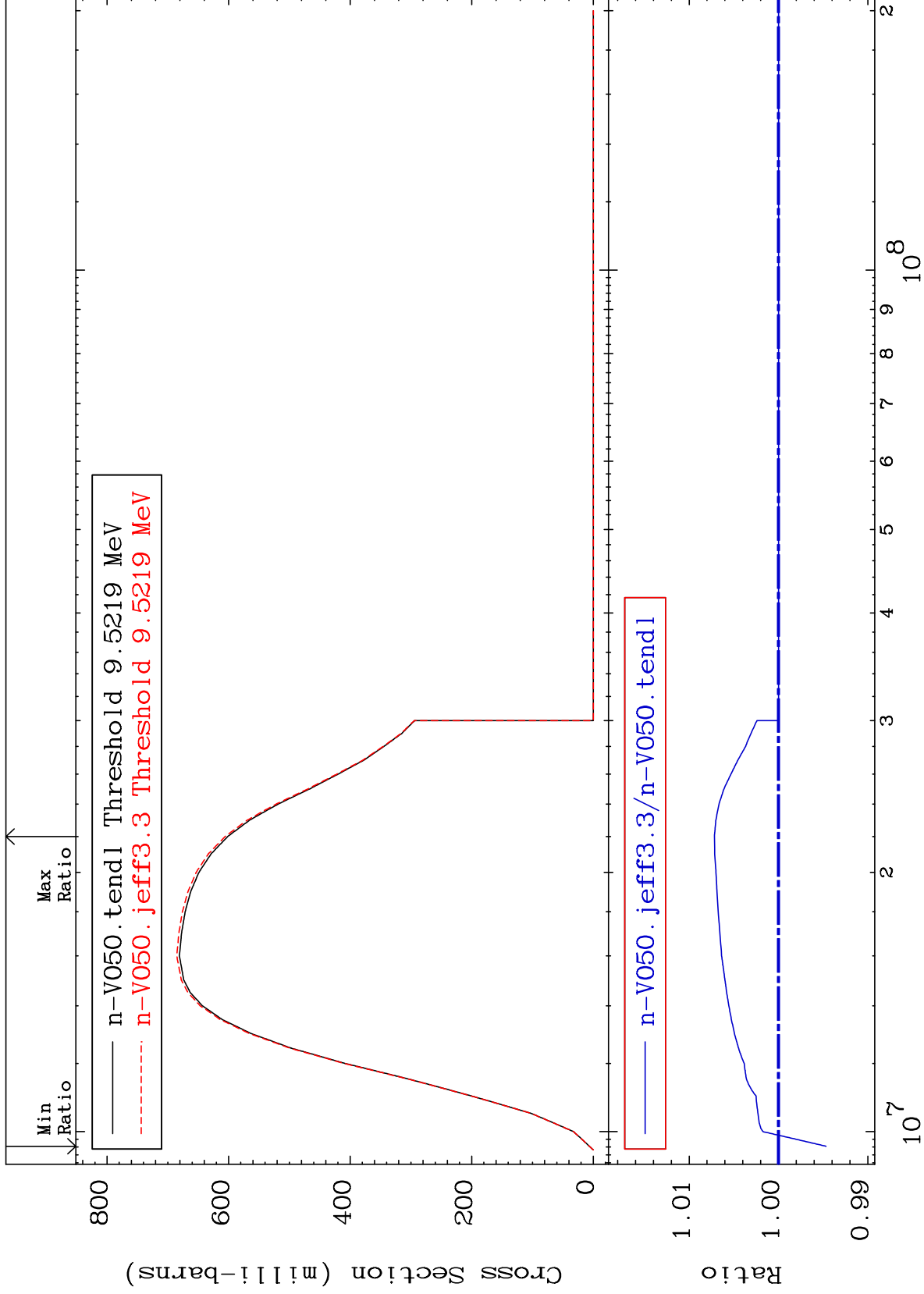
MAT 2325

(n,2n)

23-V -50

Cross Section

-0.532 To 0.718 %



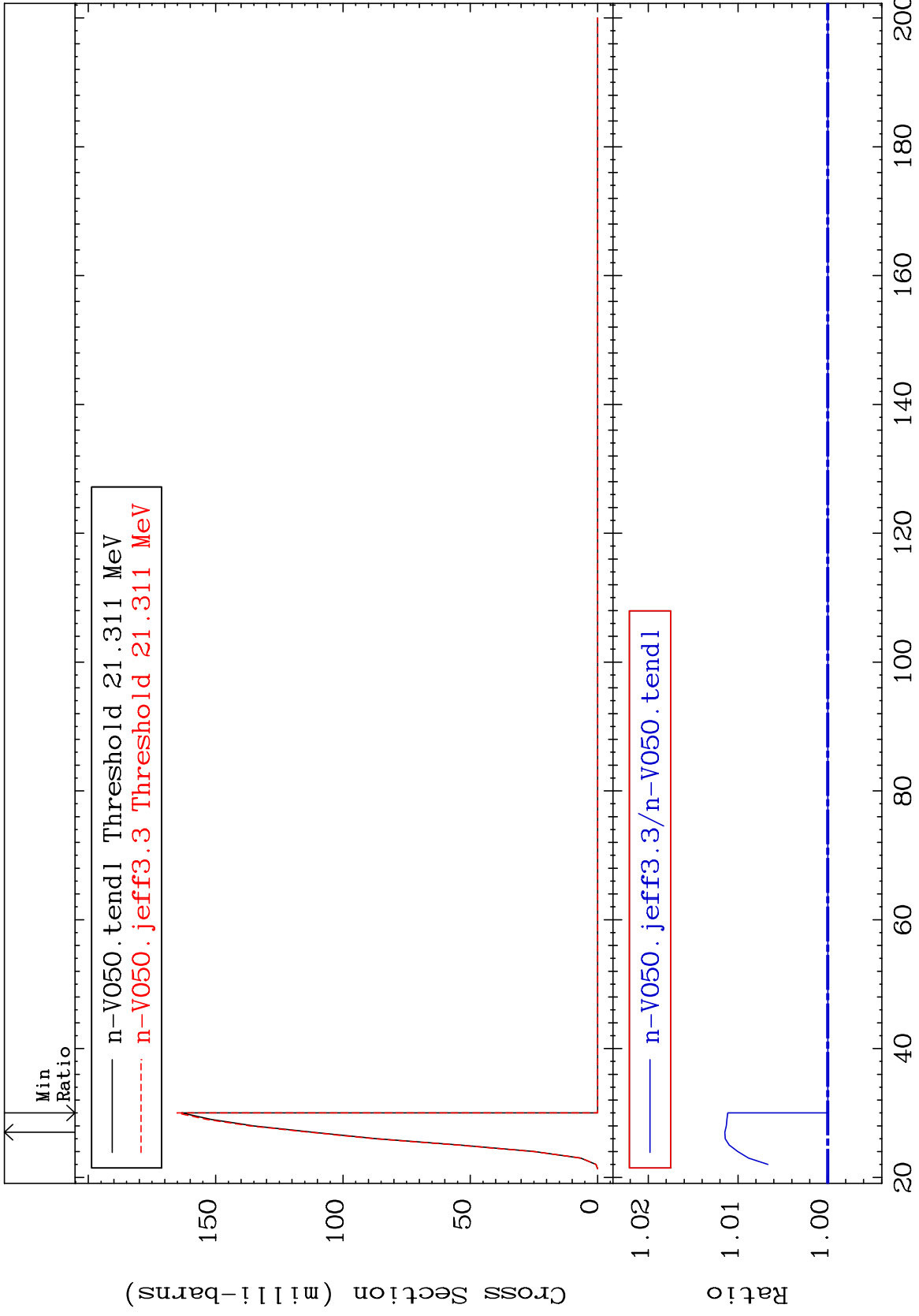
Incident Energy (eV)

23-V -50

MAT 2325

(n,3n)  
Cross Section

23-V -50  
0.000 To 1.148 %



Incident Energy (MeV)

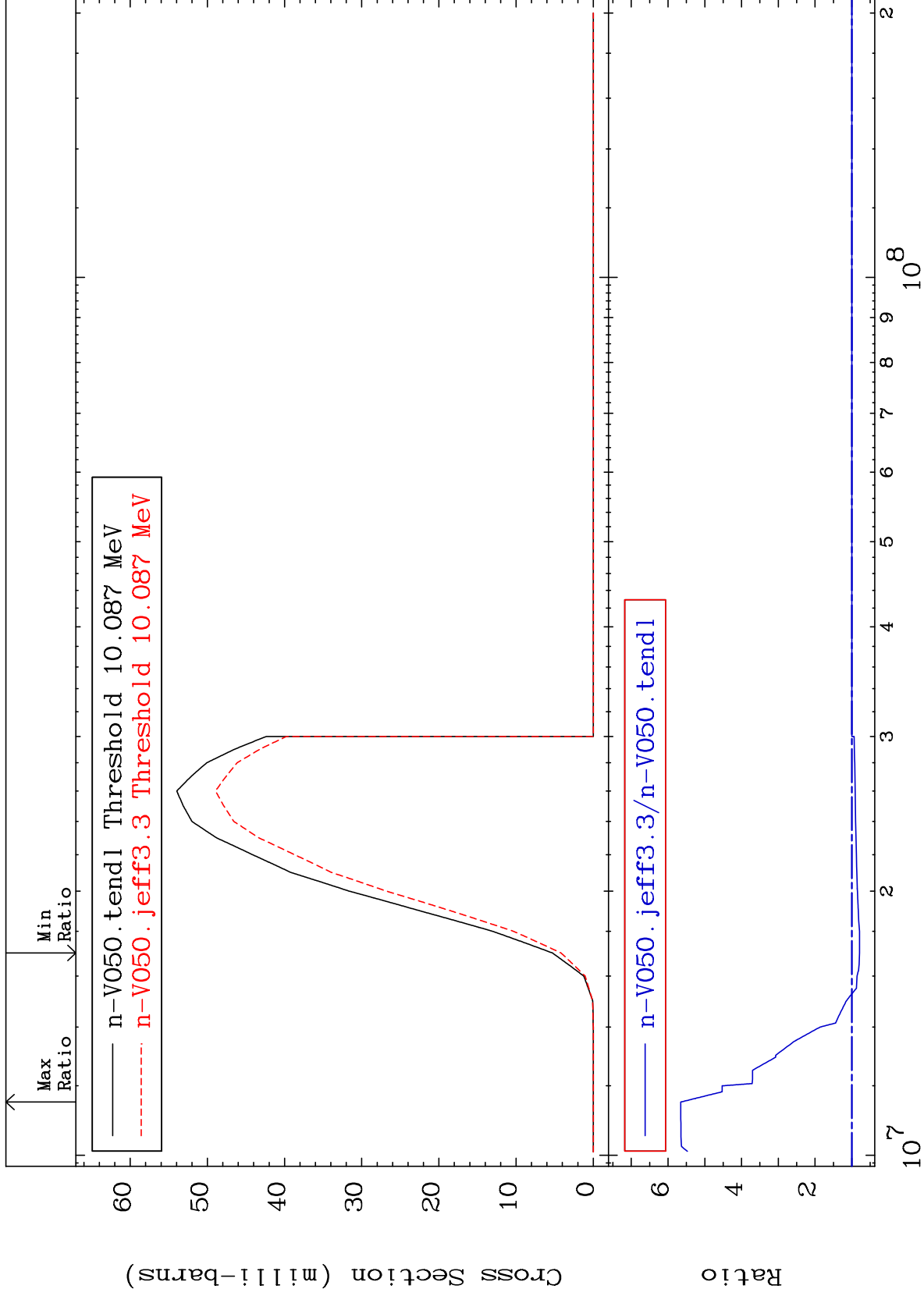
23-V -50

6

MAT 2325

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

23-V -50  
-21.00 To 465.4 %

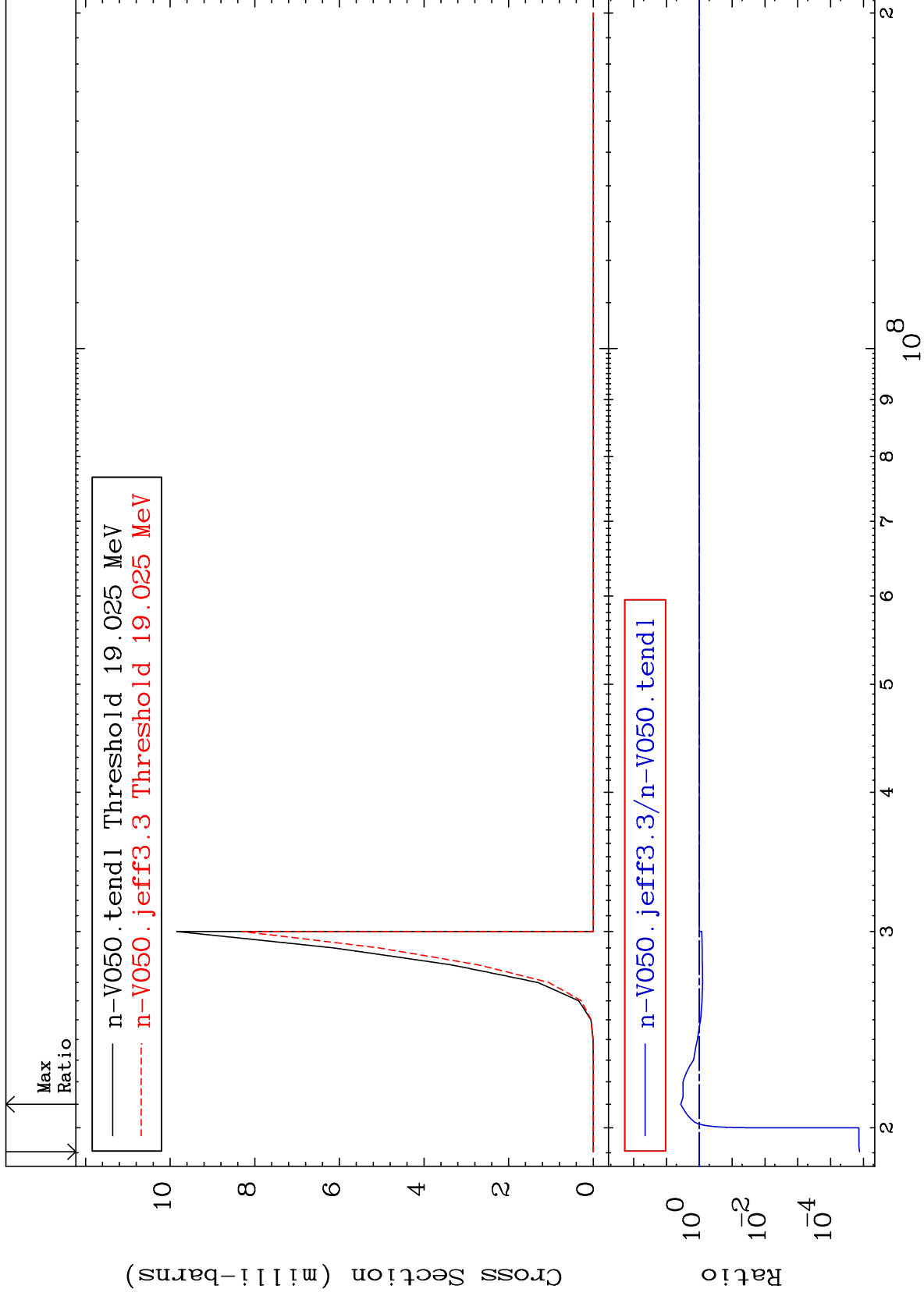


23-V -50

MAT 2325

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

23-V -50  
-100.0 To 267.8 %



8

Incident Energy (eV)

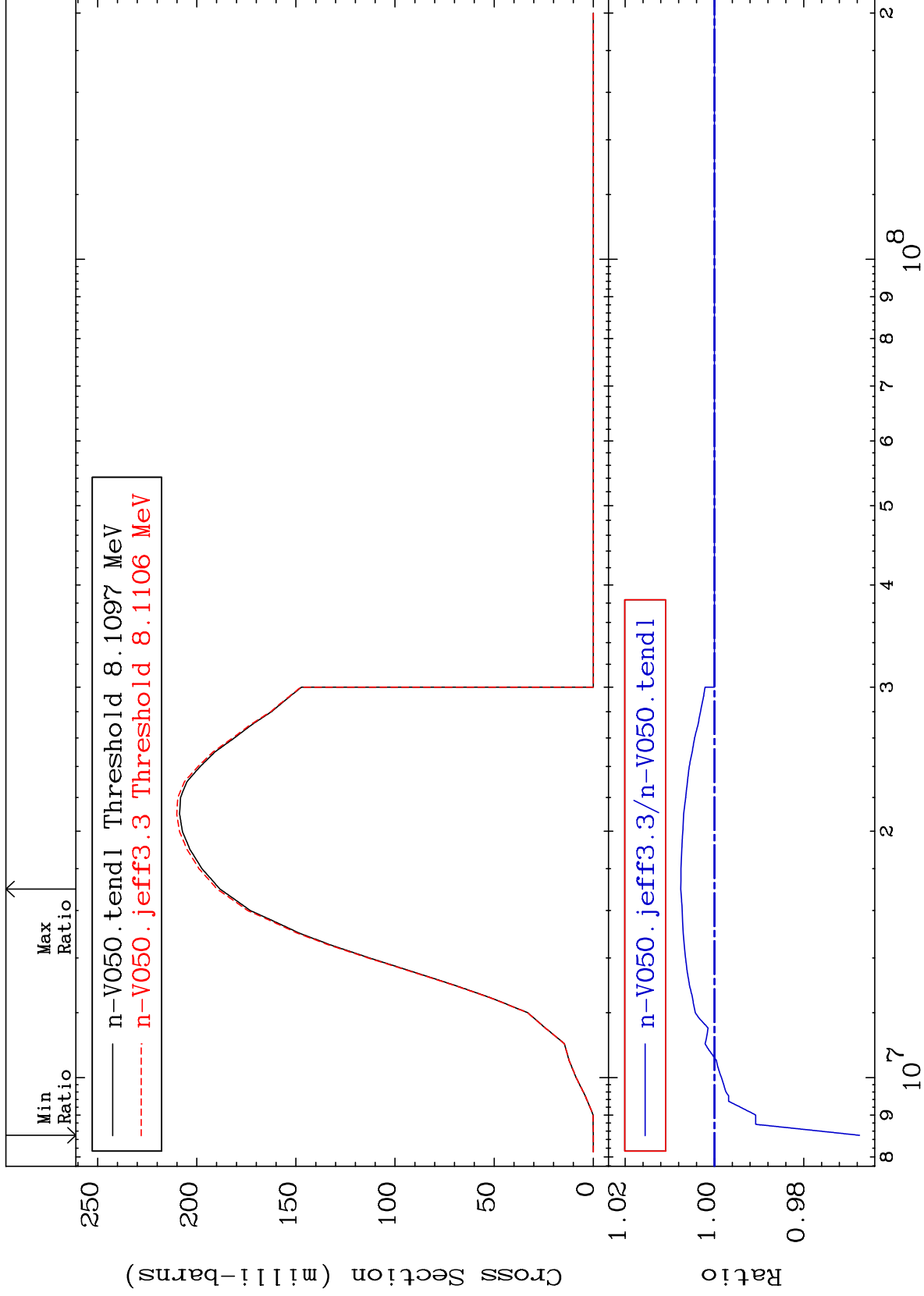
23-V -50



MAT 2325

(n,n') p  
Cross Section

23-V -50  
-3.251 To 0.753 %



9

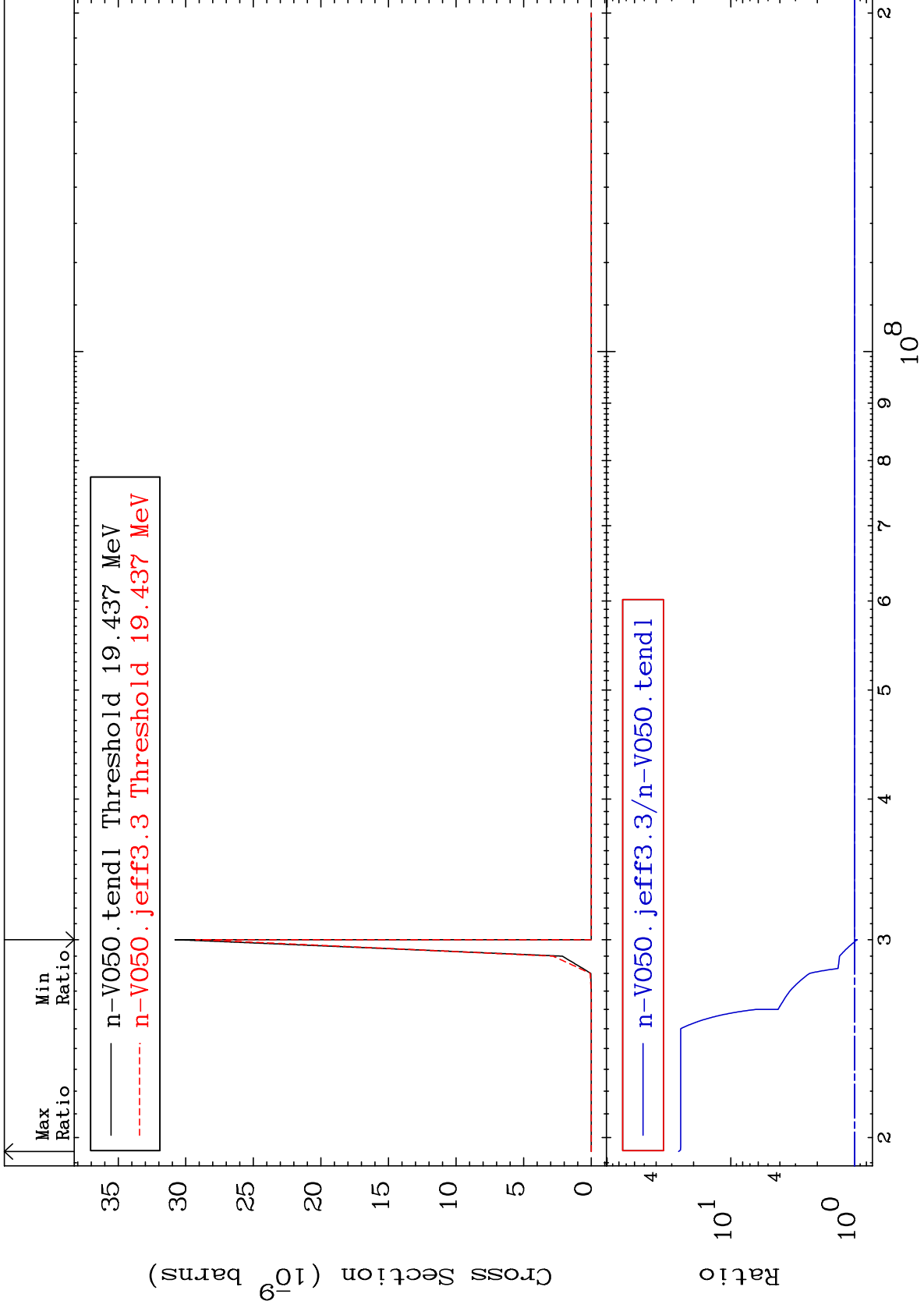
Incident Energy (eV)

23-V -50

MAT 2325

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

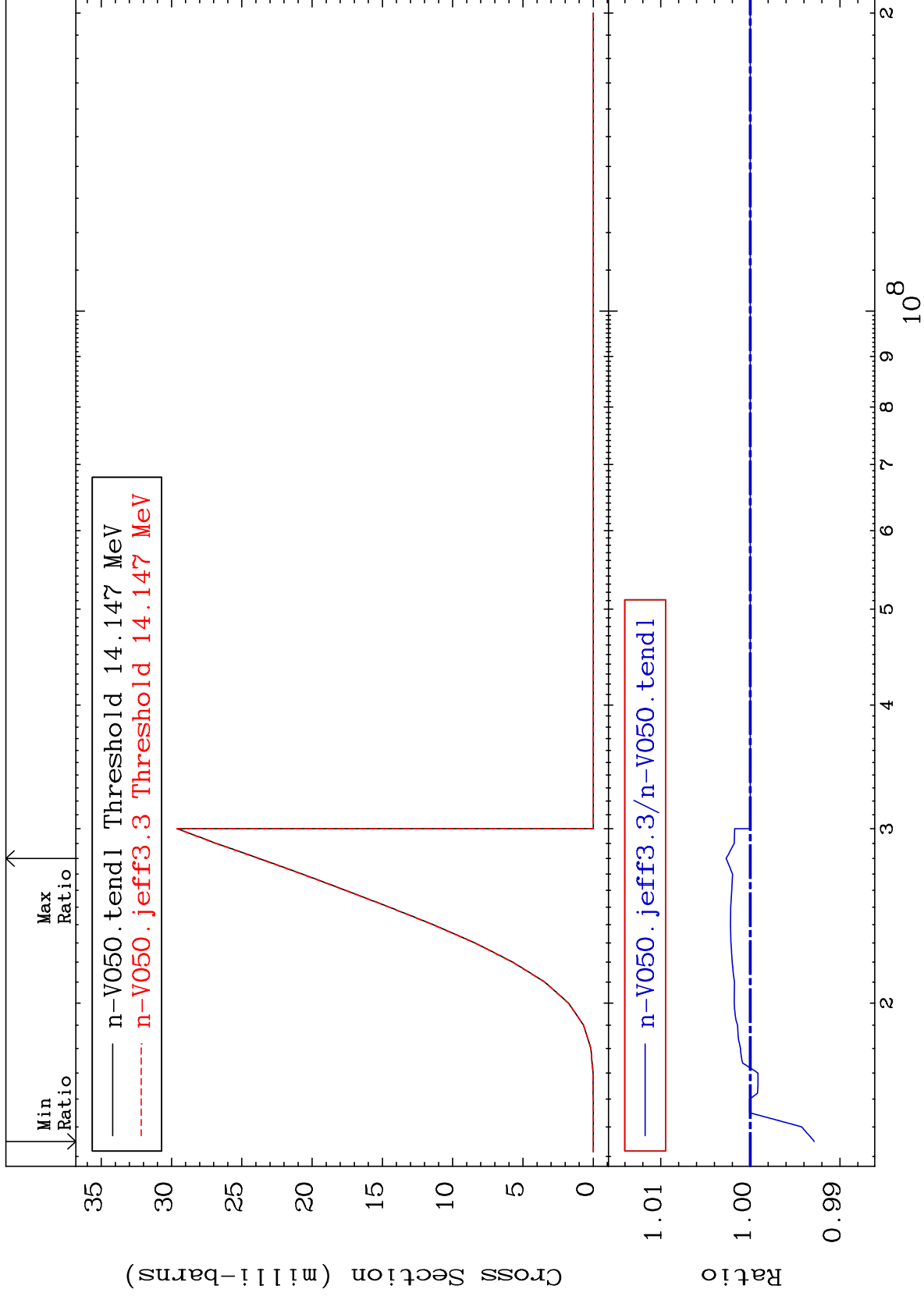
23-V -50  
-5.010 To 2536. %

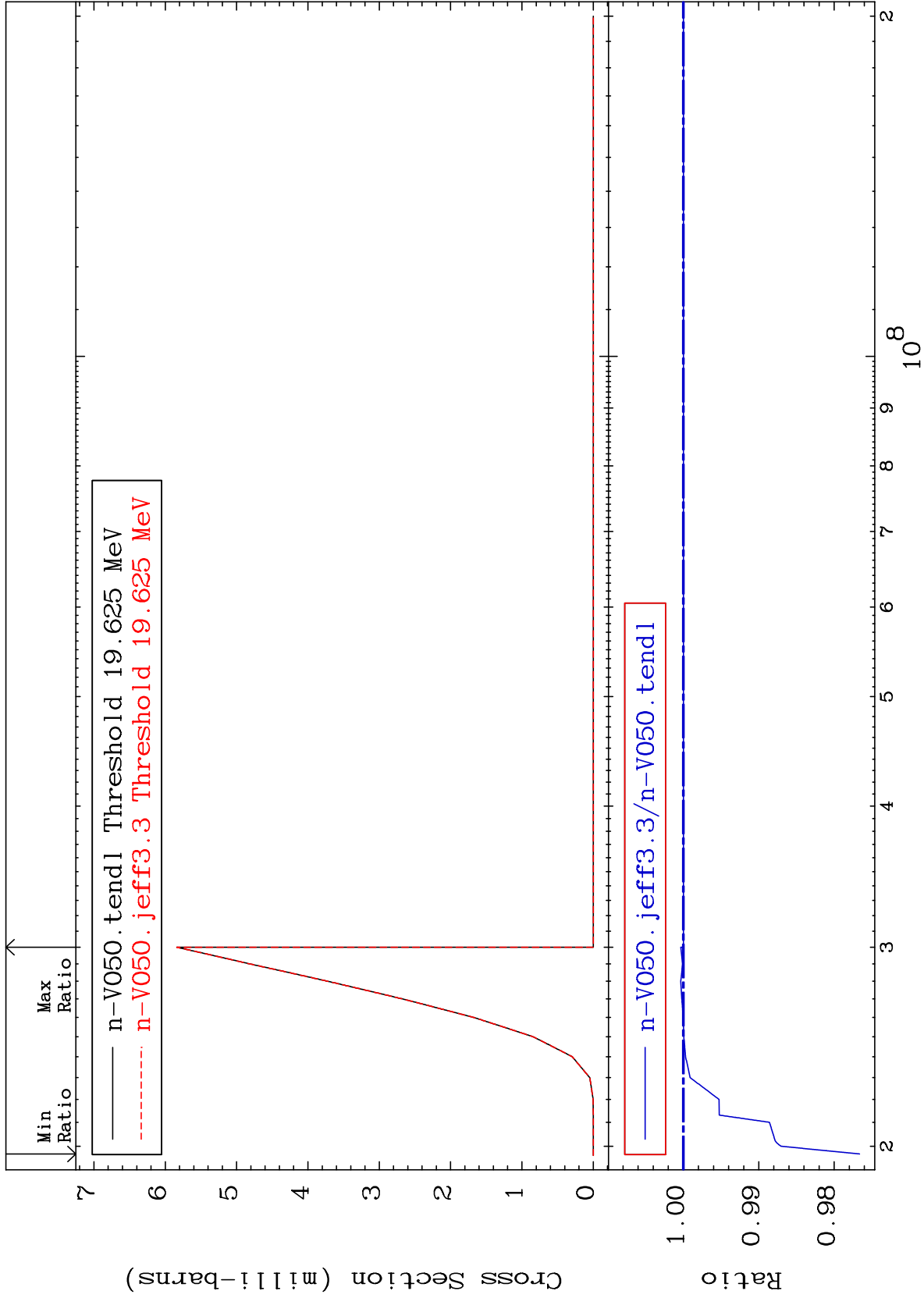


10

Incident Energy (eV)

23-V -50

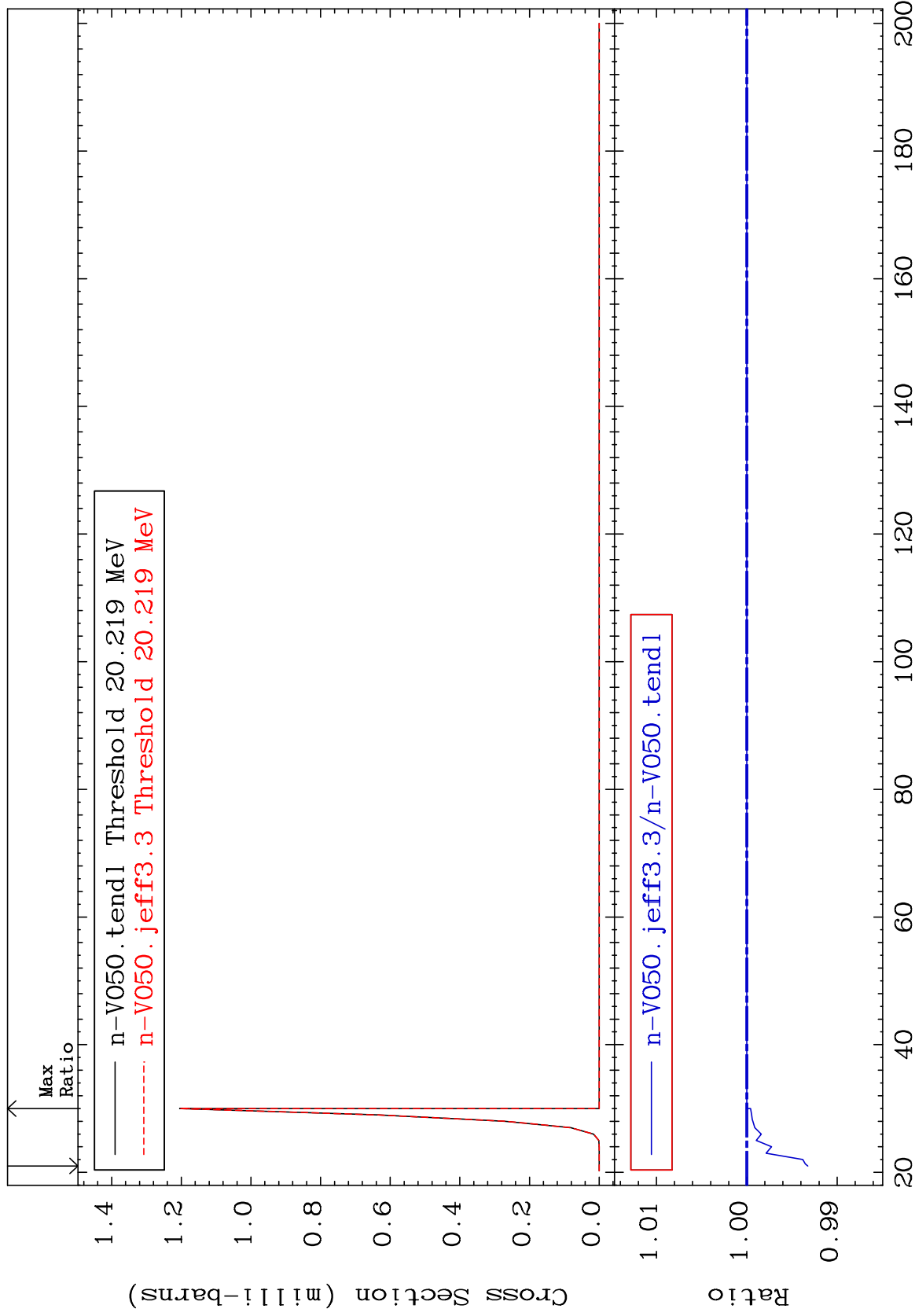




MAT 2325

(n, n') He-3  
Cross Section

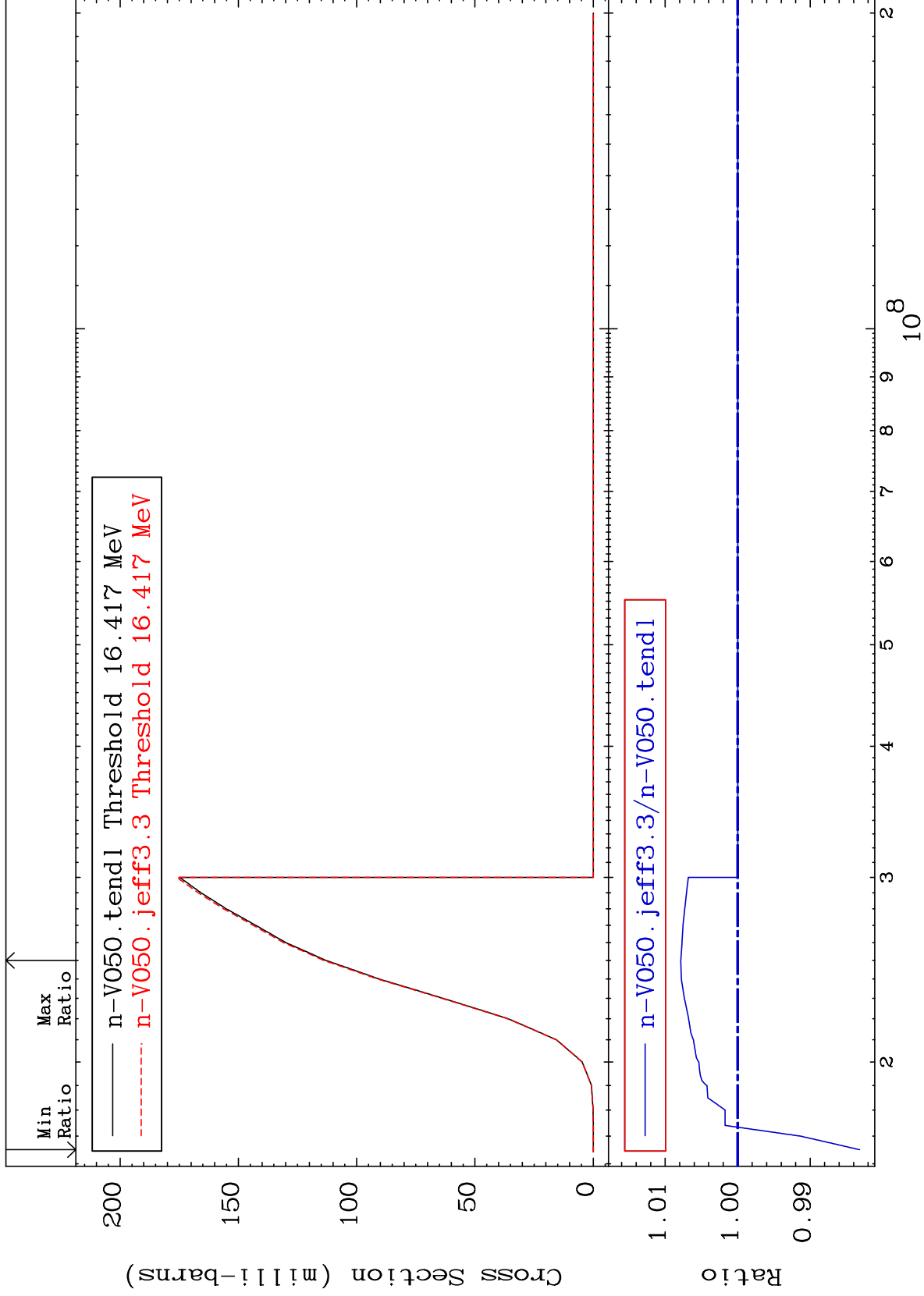
23-V -50  
-0.677 To 0.000 %



MAT 2325

(n,2n) p  
Cross Section

23-V -50  
-1.681 To 0.785 %



14

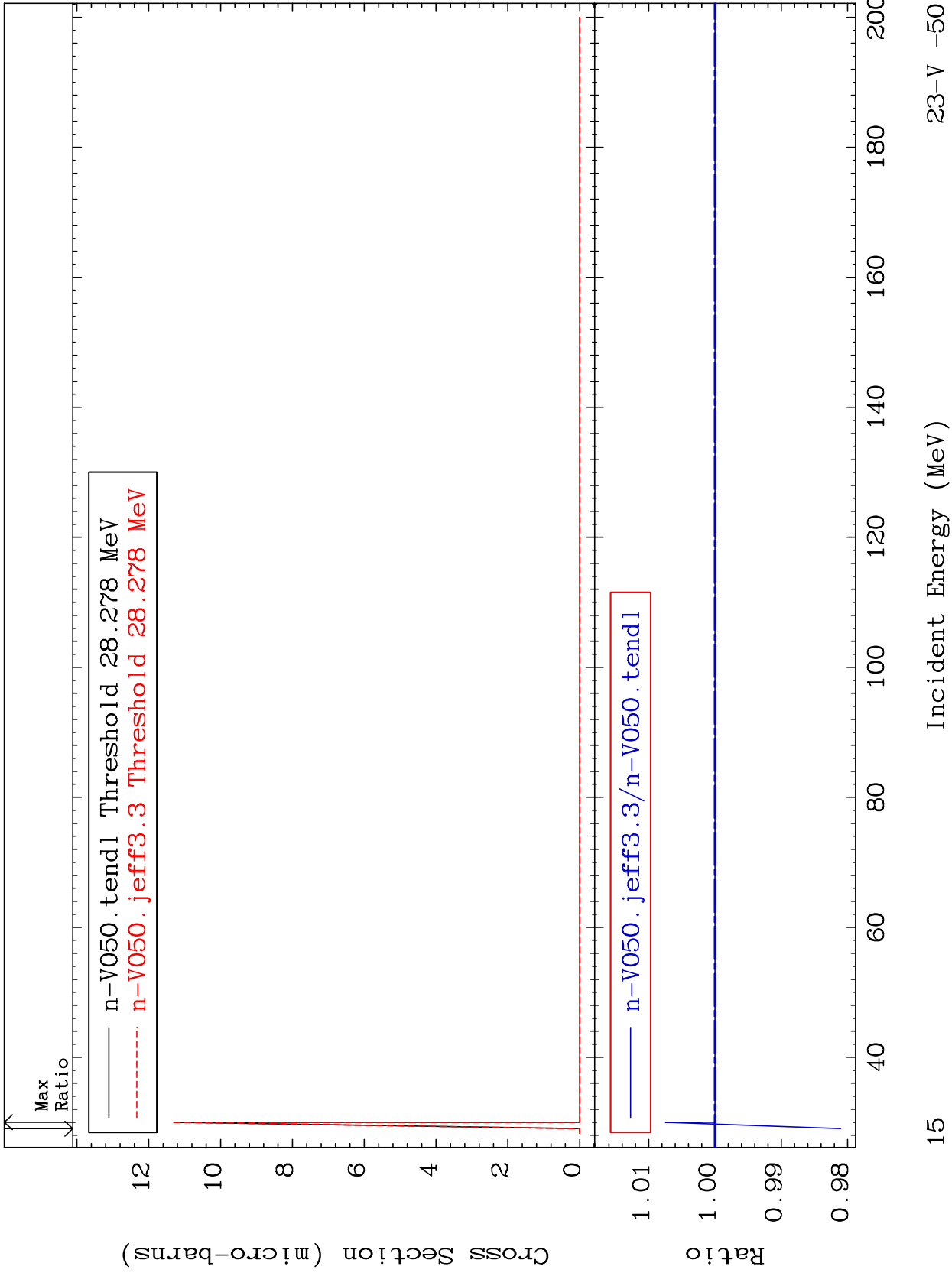
Incident Energy (eV)

23-V -50

MAT 2325

(n,3n) p  
Cross Section

23-V -50  
-1.894 To 0.747 %



15

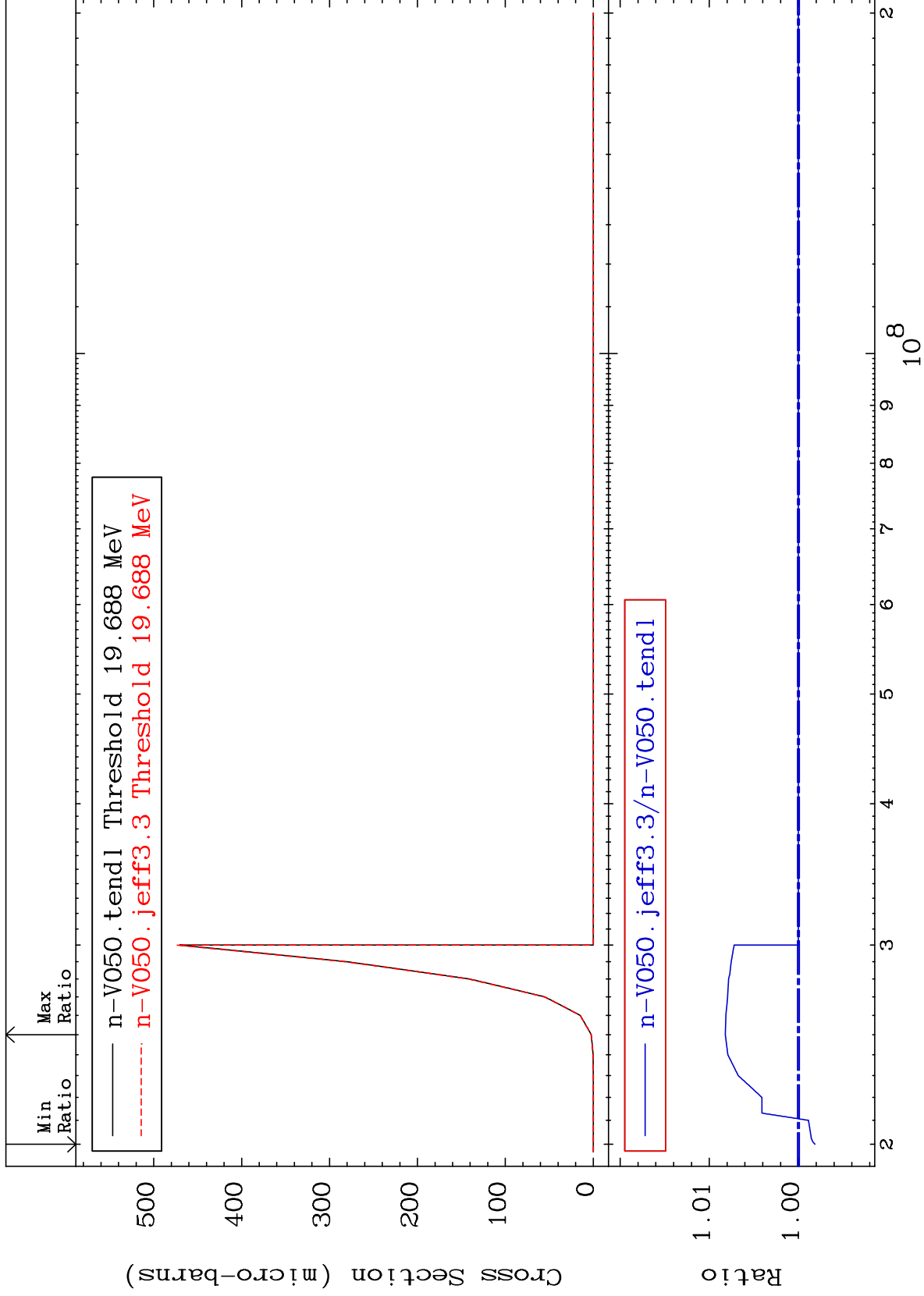
Incident Energy (MeV)

23-V -50

MAT 2325

(n,2n) p  
Cross Section

23-V -50  
-0.186 To 0.820 %



16

Incident Energy (eV)

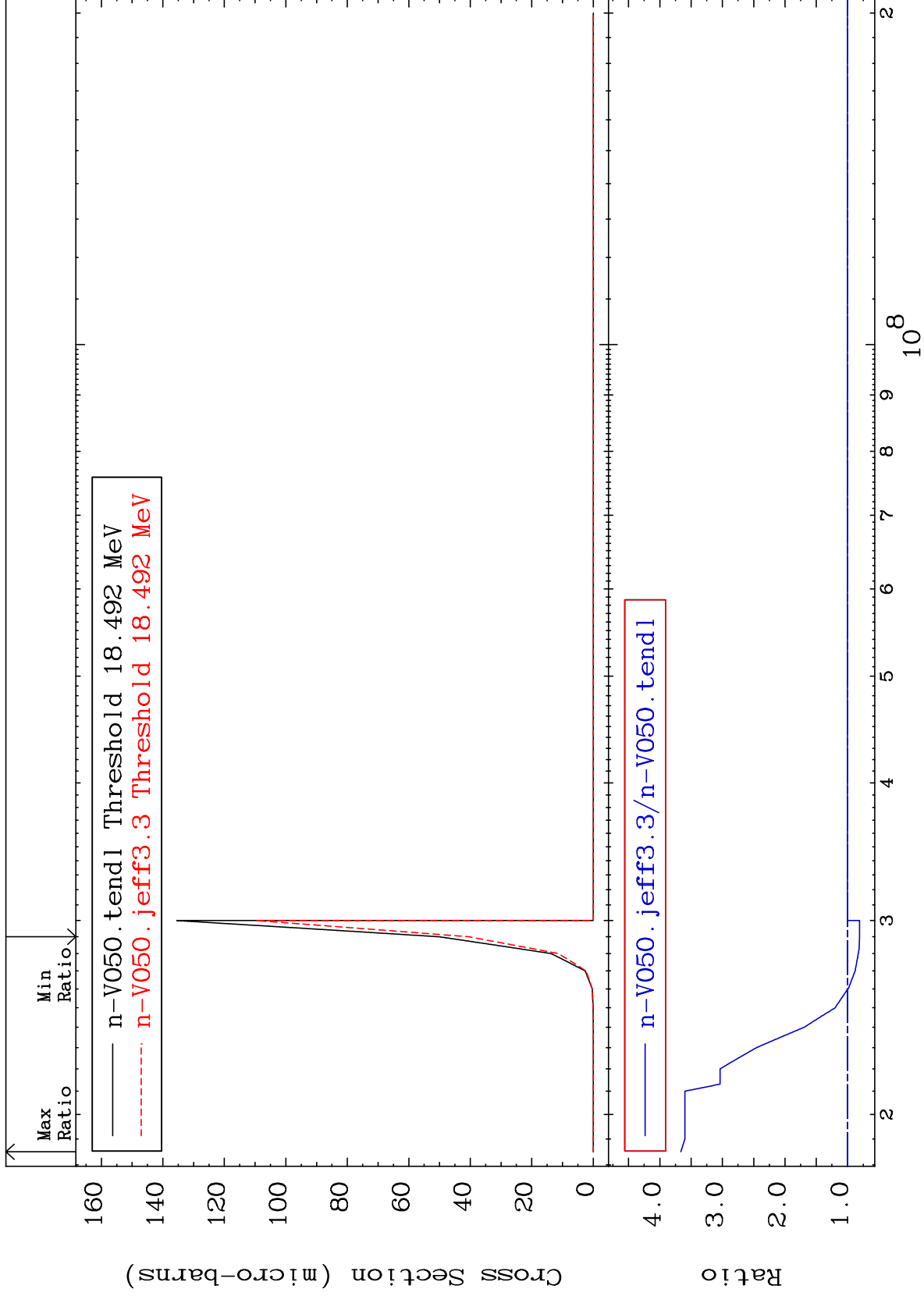
23-V -50



MAT 2325

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

23-V -50  
-19.17 To 266.5 %



17

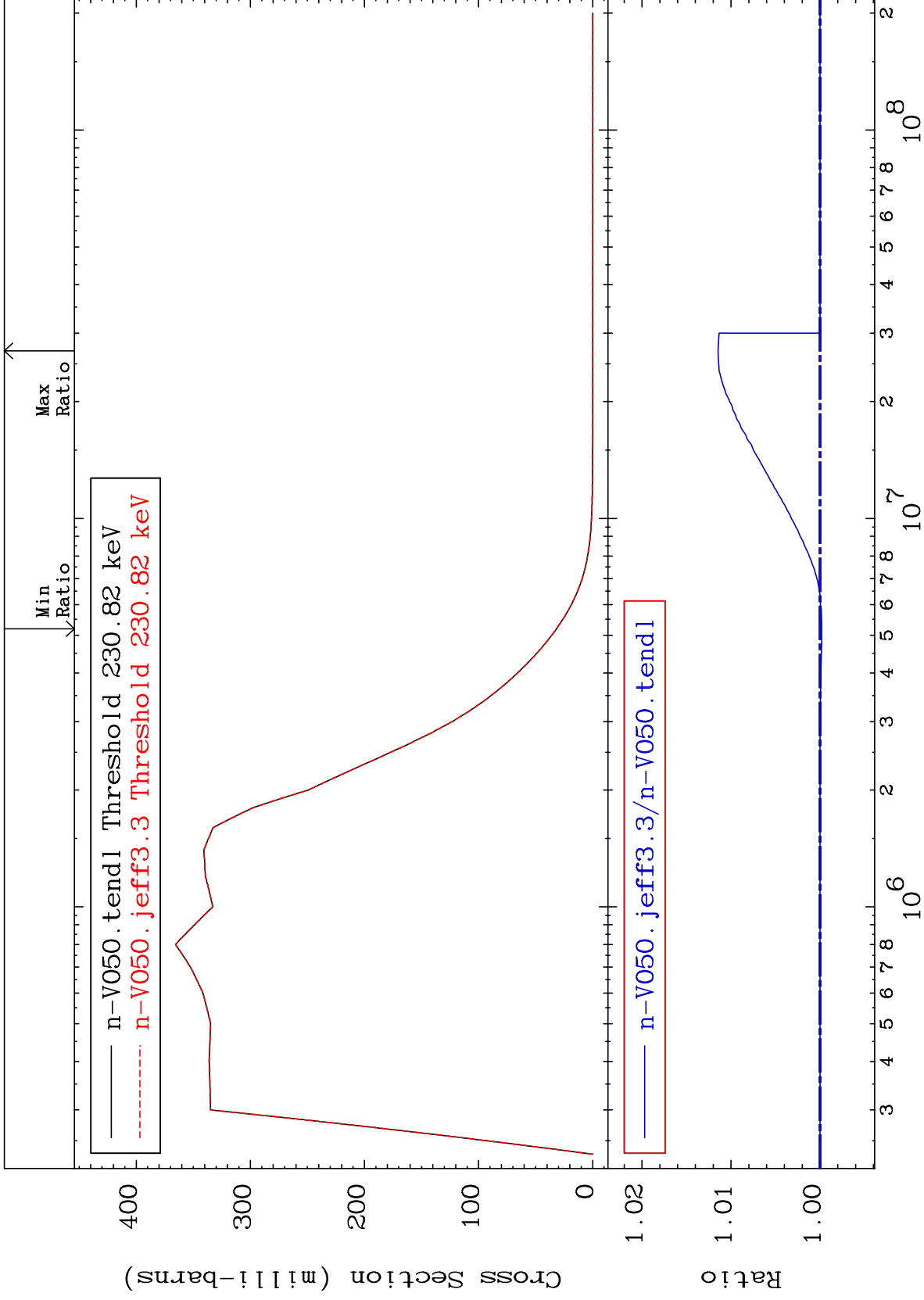
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.019 To 1.146 %



18

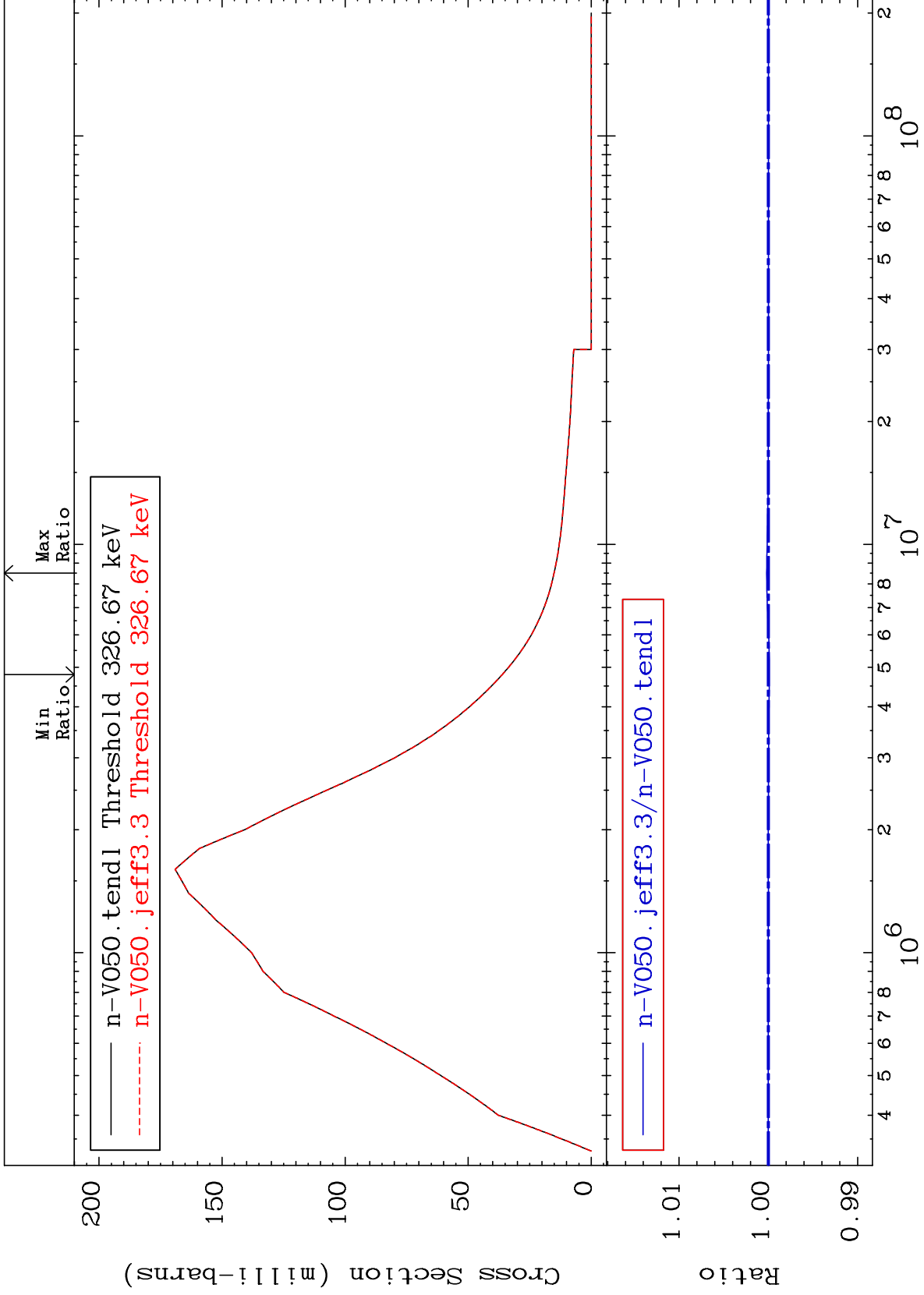
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.010 To 0.019 %



19

Incident Energy (eV)

23-V -50

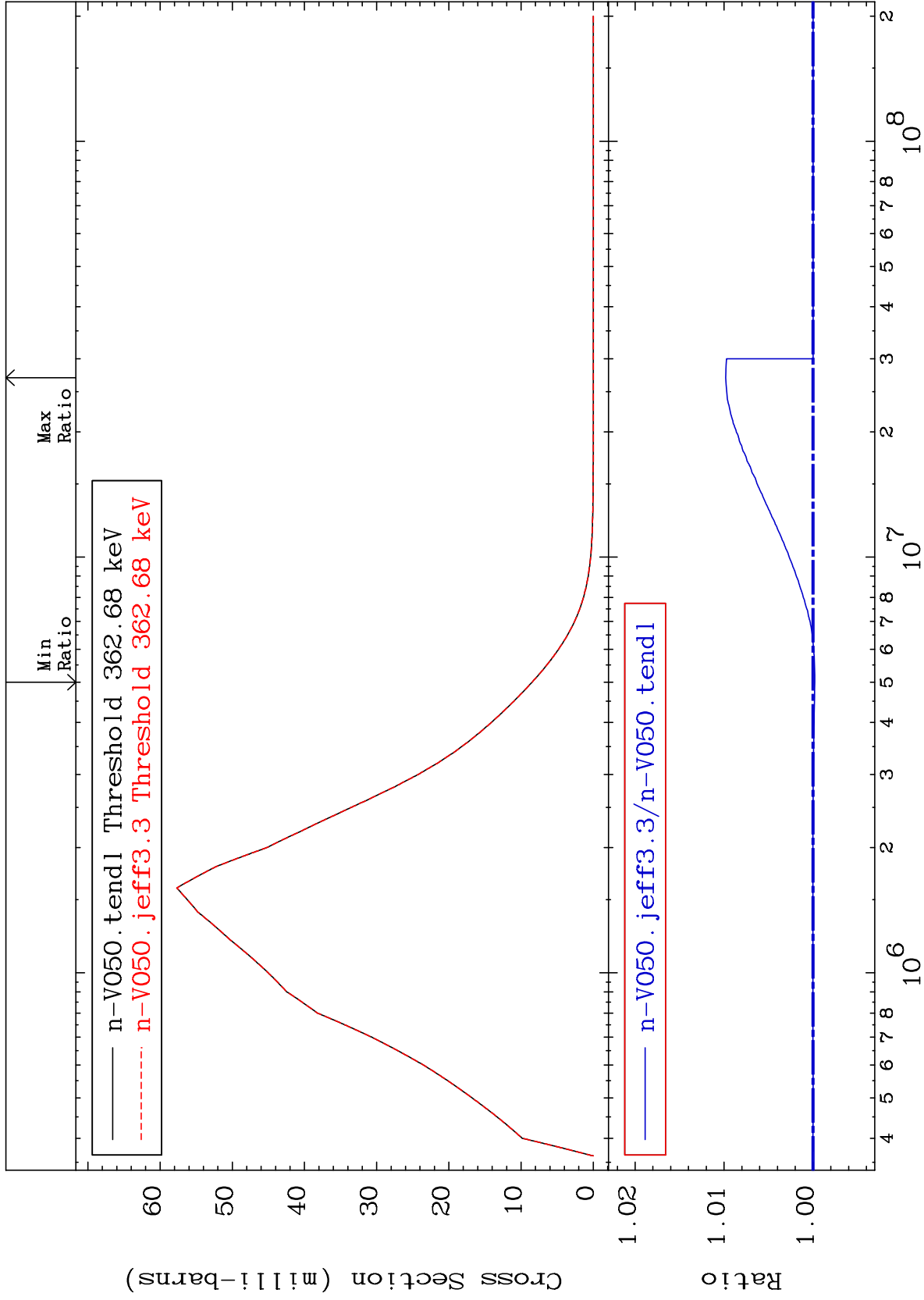
MAT 2325

MT= 53 (n,n') Level

23-V -50

-0.019 To 0.983 %

Cross Section



20

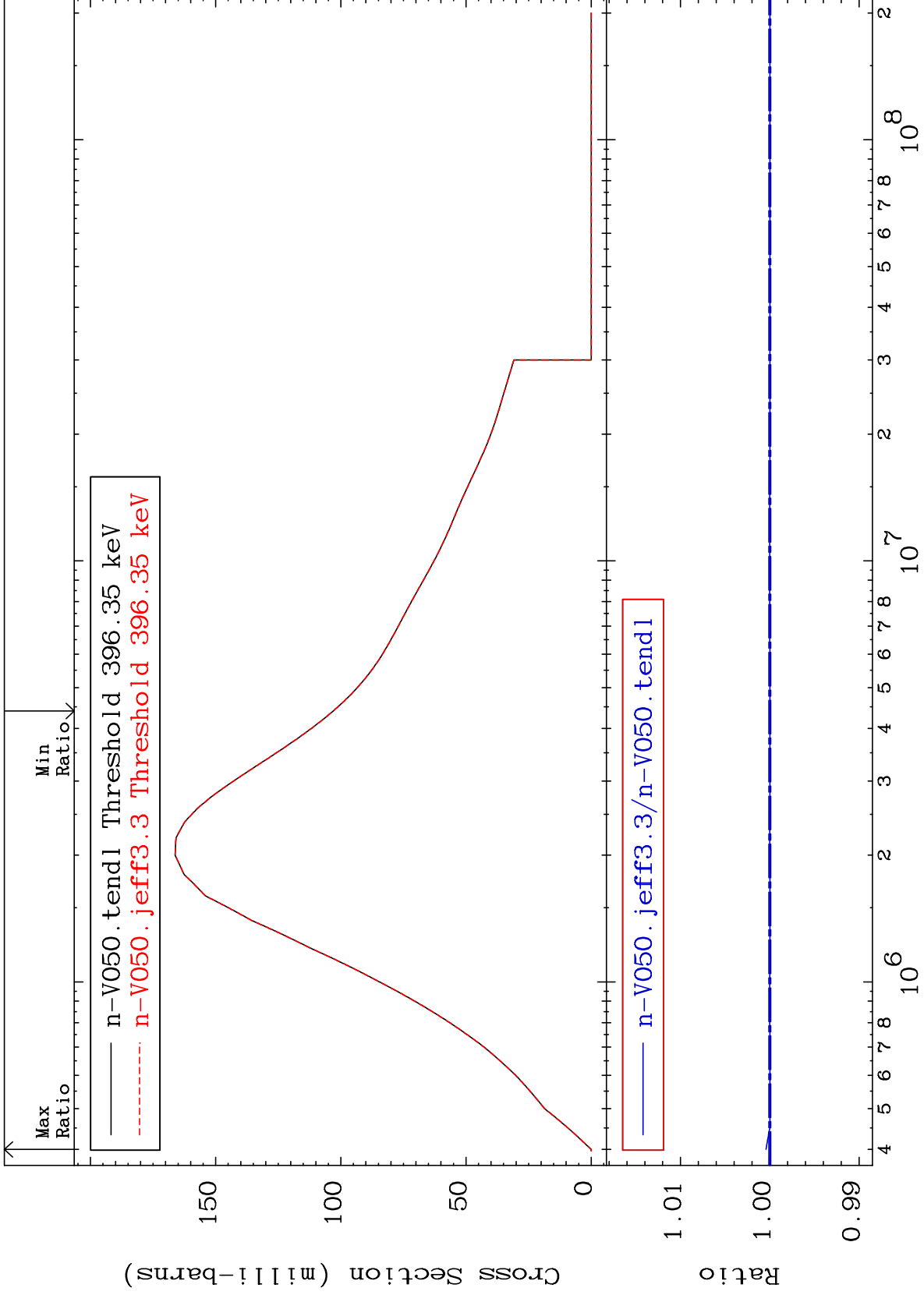
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
0.000 To 0.043 %



21

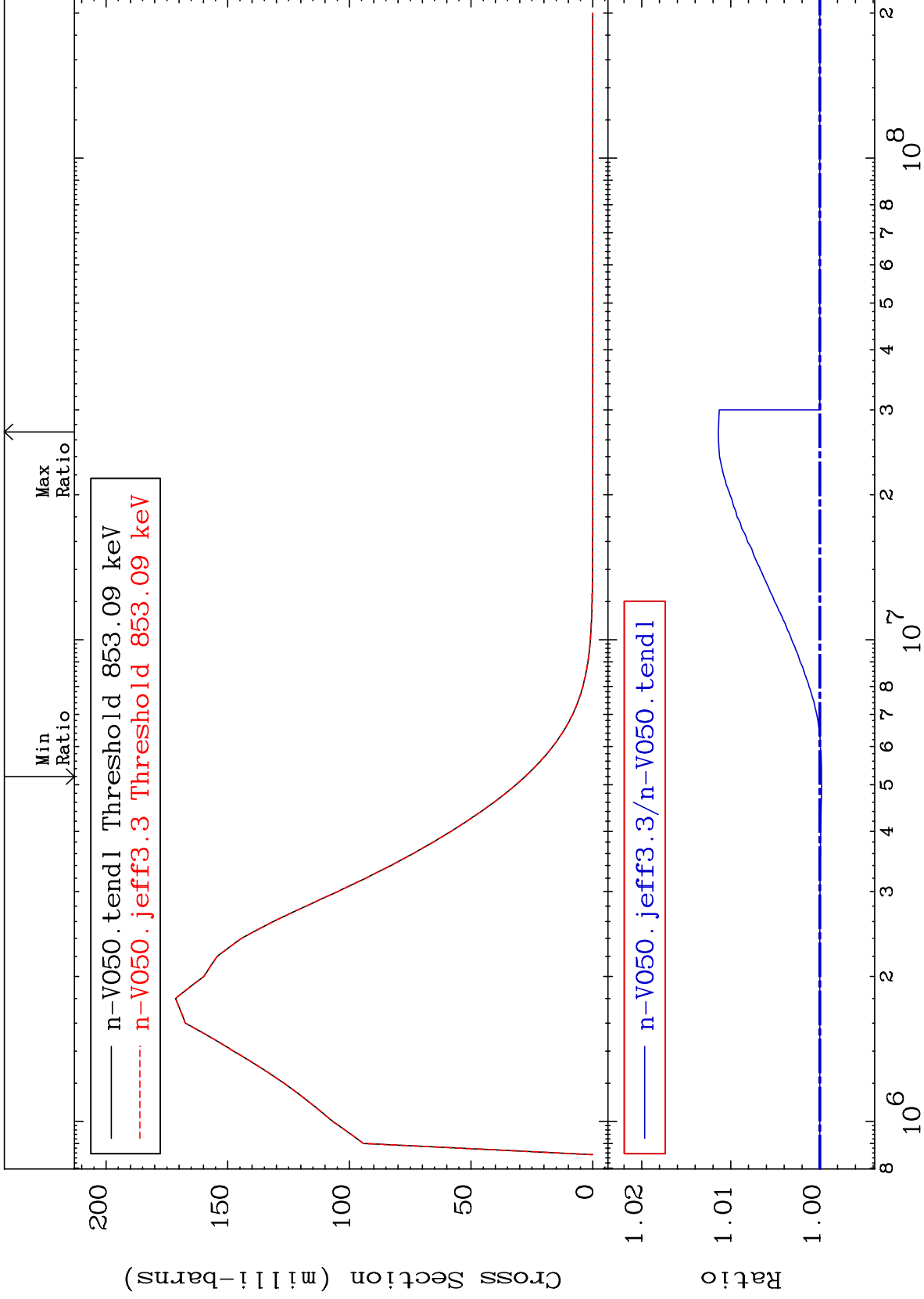
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.019 To 1.141 %



22

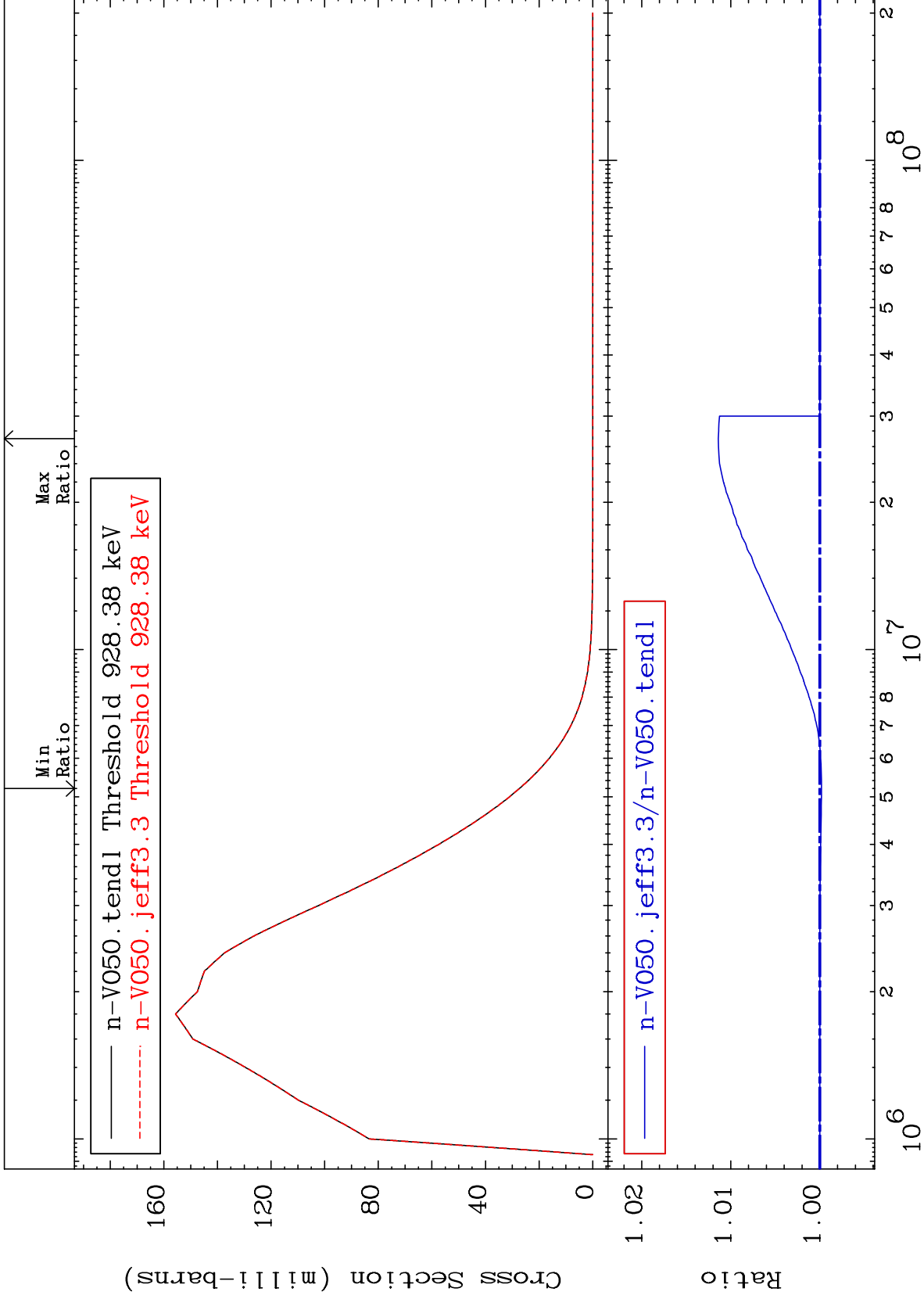
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.019 To 1.140 %



23

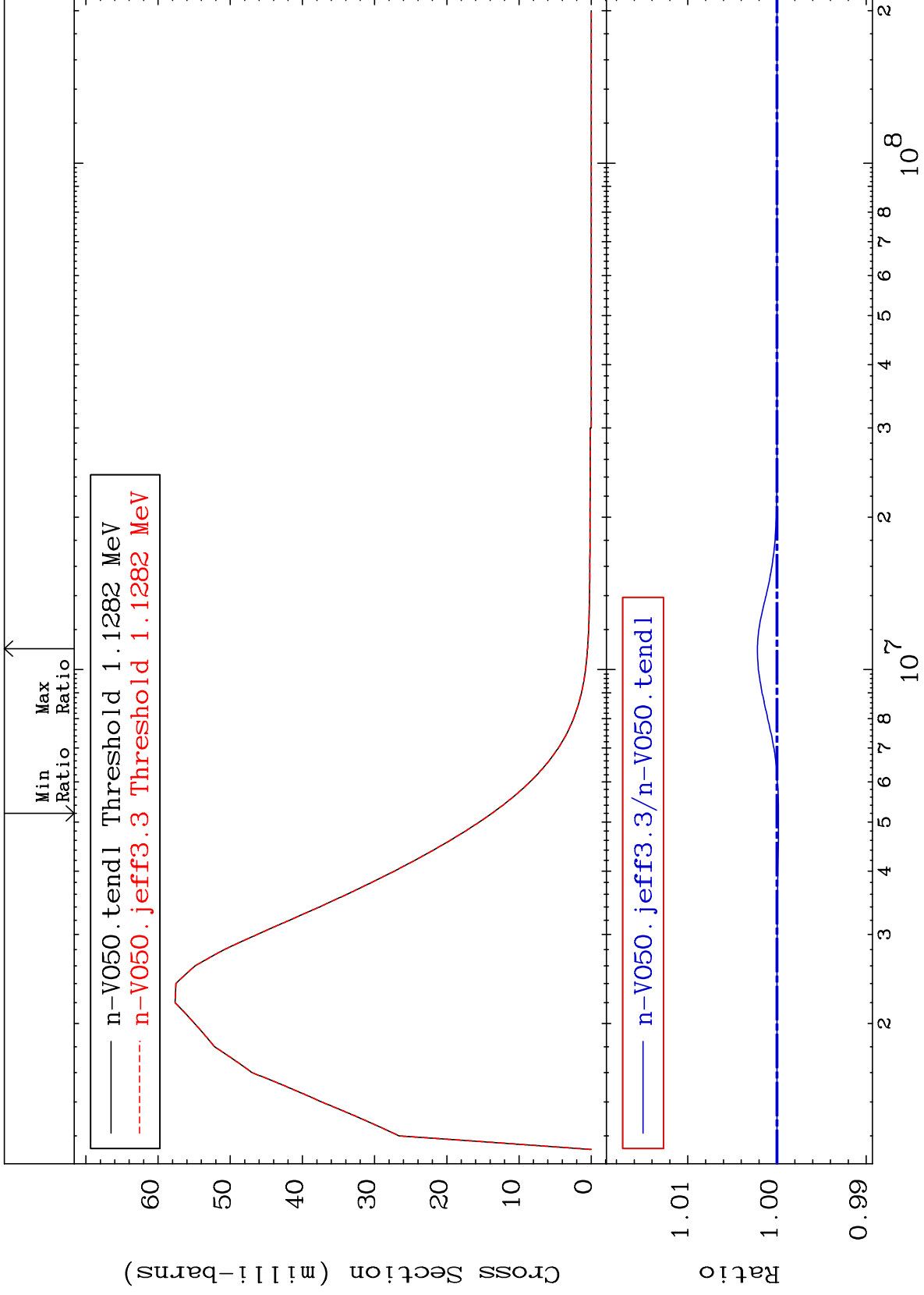
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.017 To 0.220 %

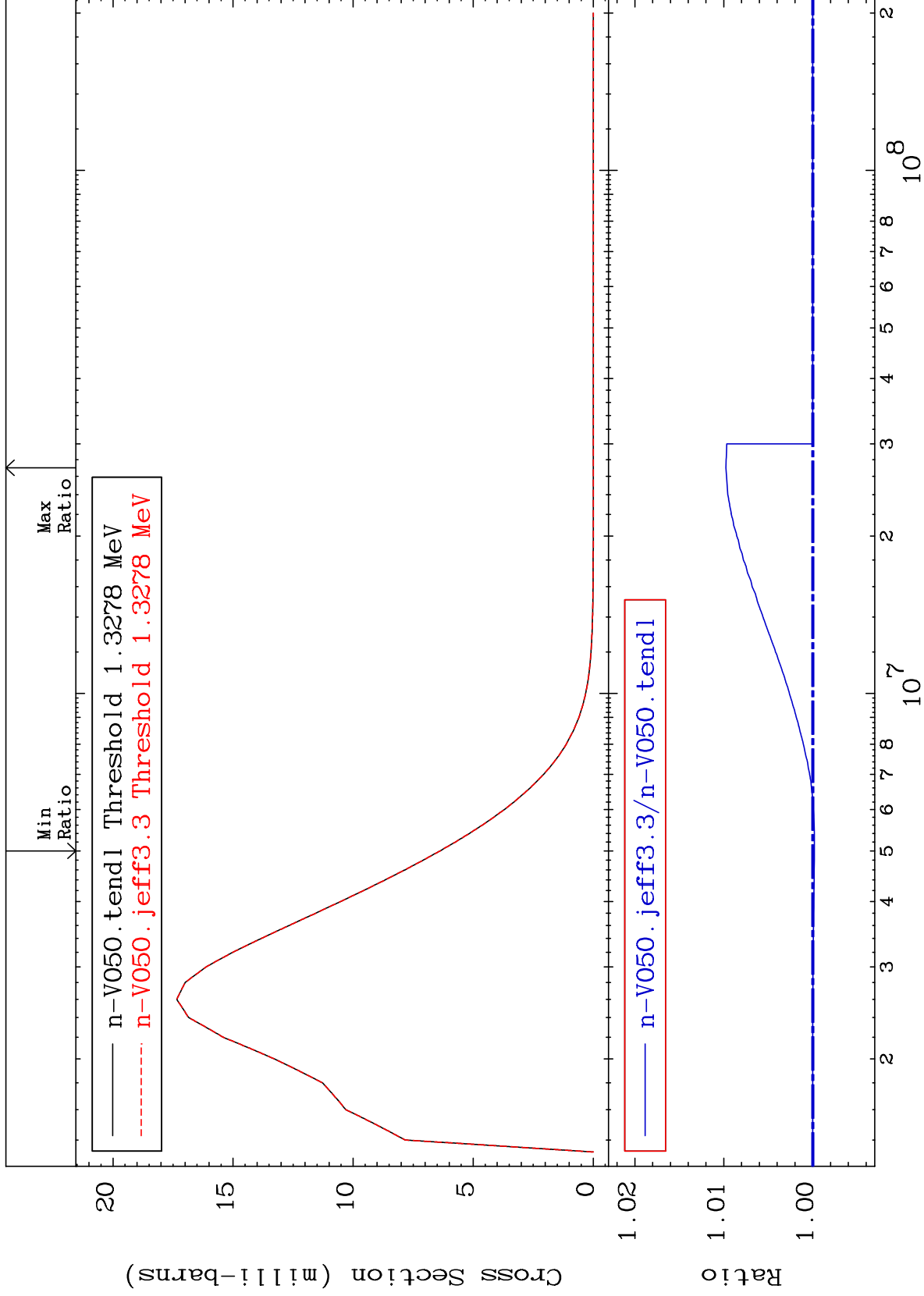




MAT 2325

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

23-V -50  
-0.018 To 0.976 %



25

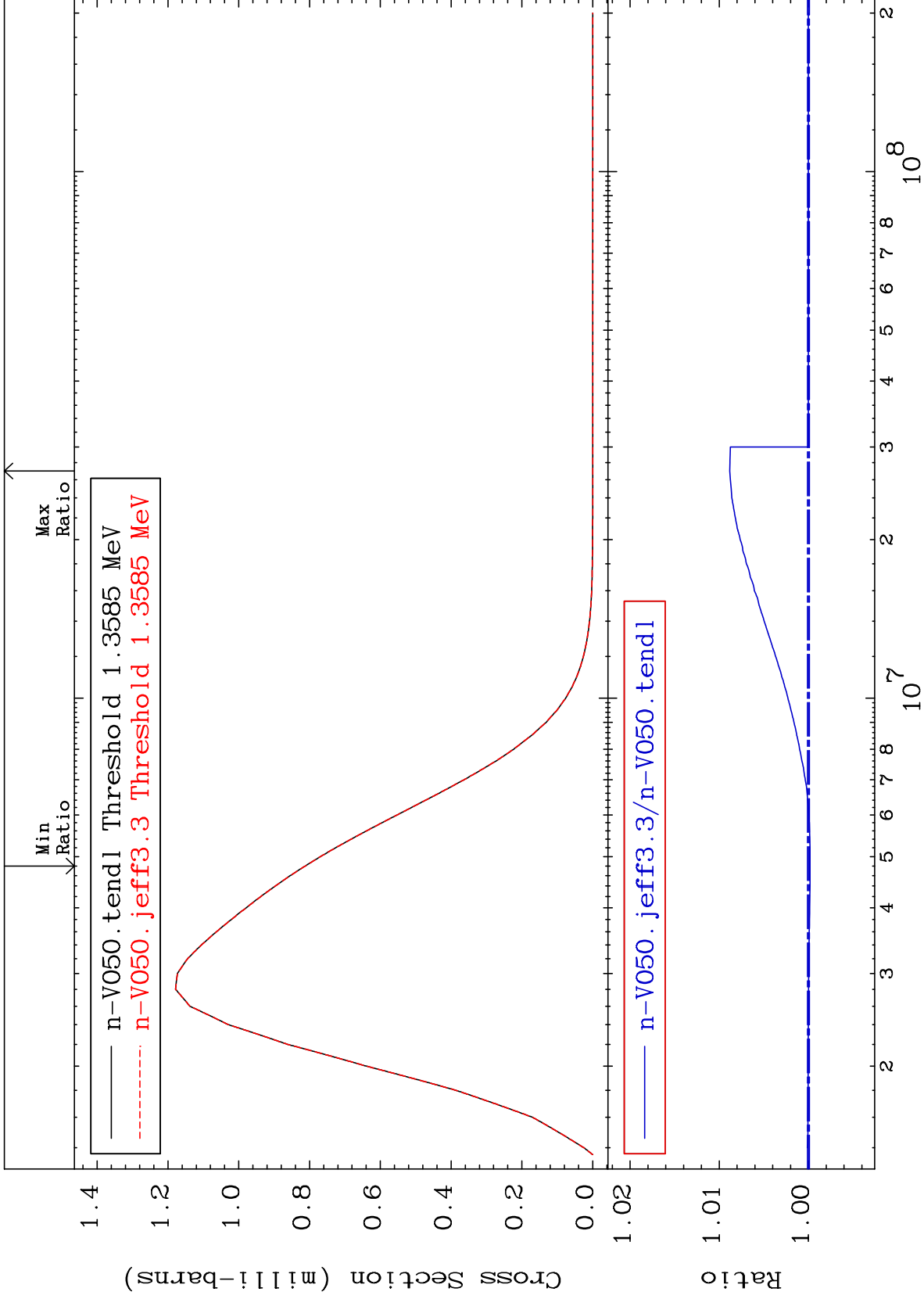
Incident Energy (eV)

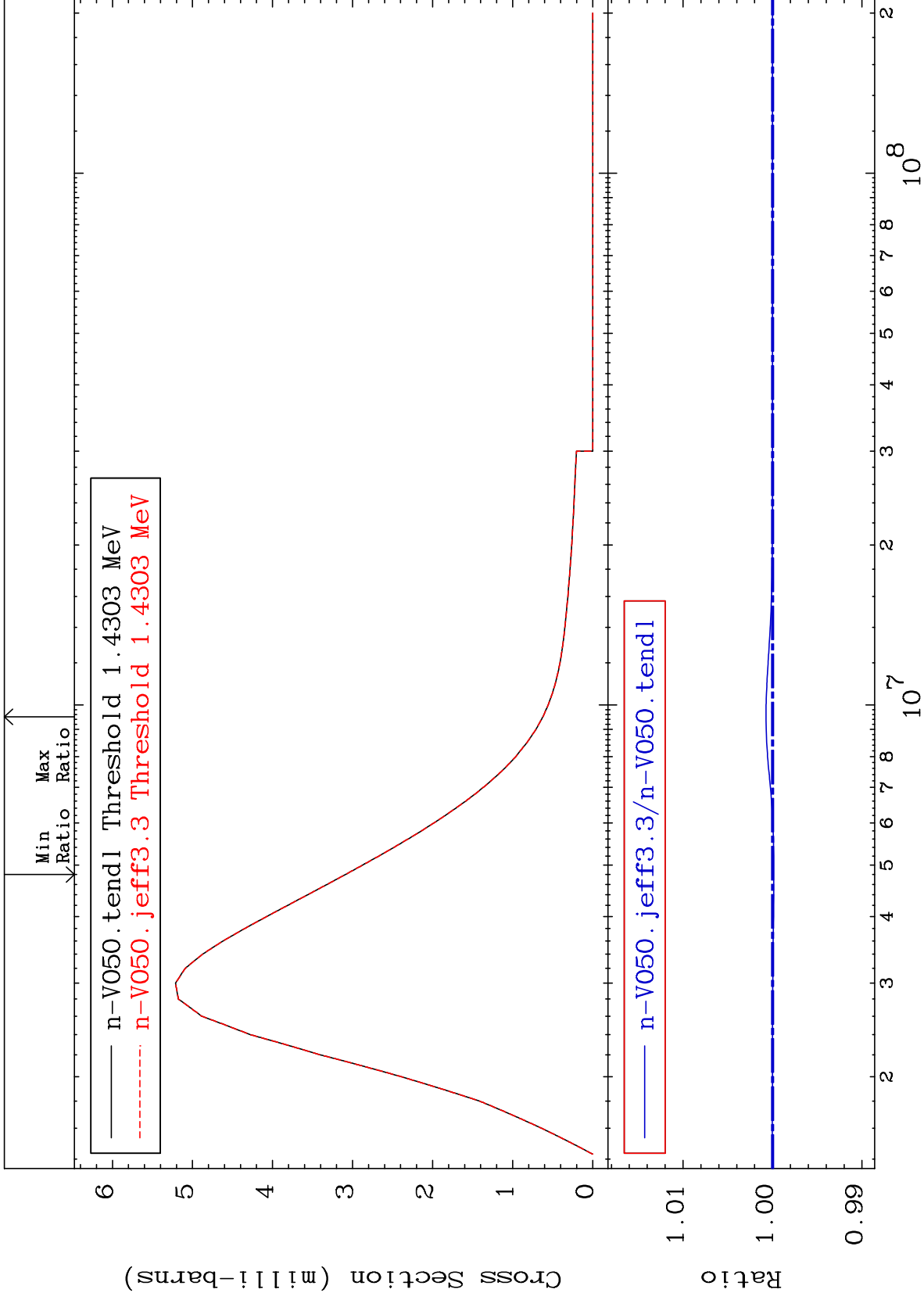
23-V -50

MAT 2325

MT= 59 (n,n') Level  
Cross Section

23-V -50  
-0.019 To 0.883 %

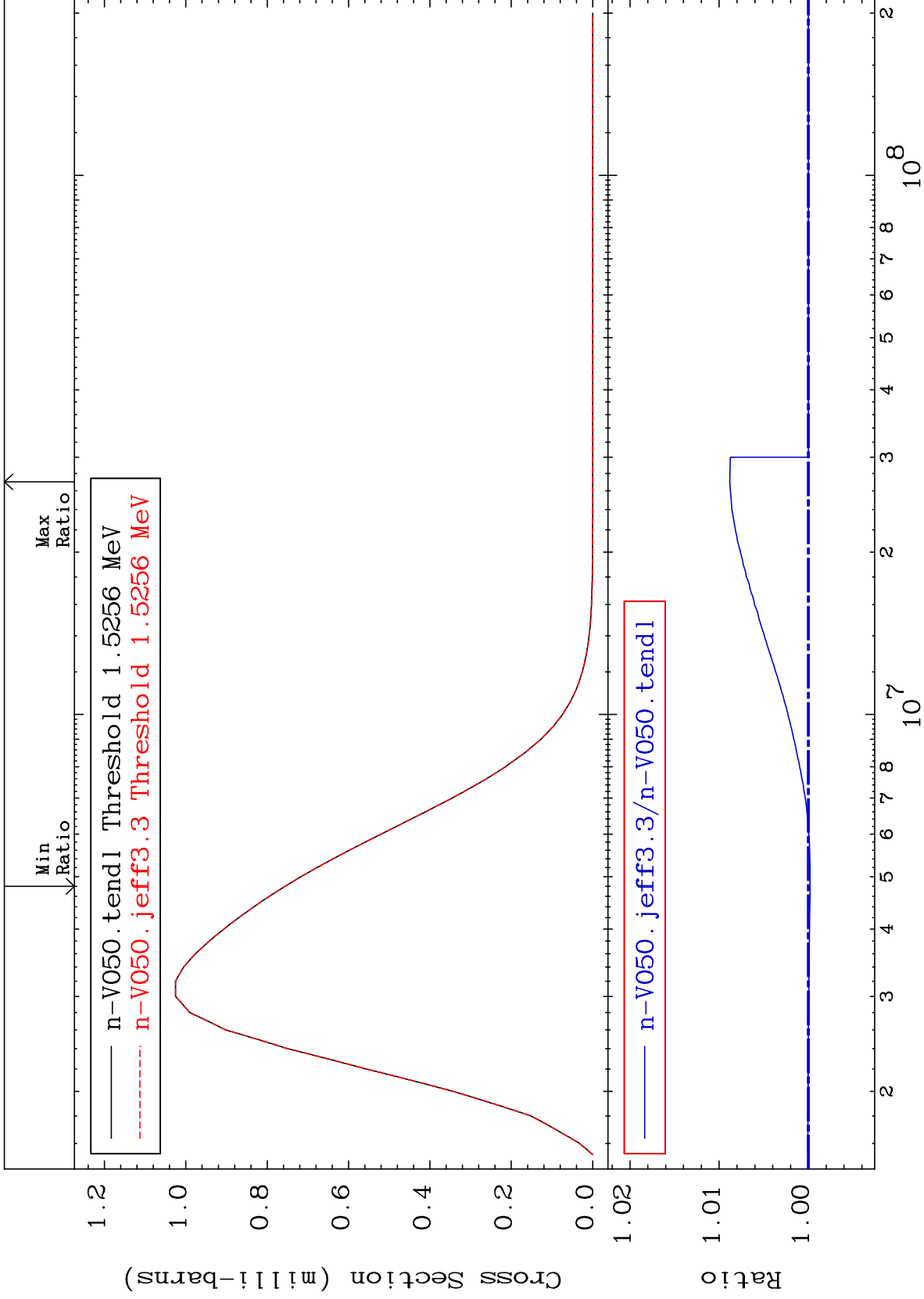




MAT 2325

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

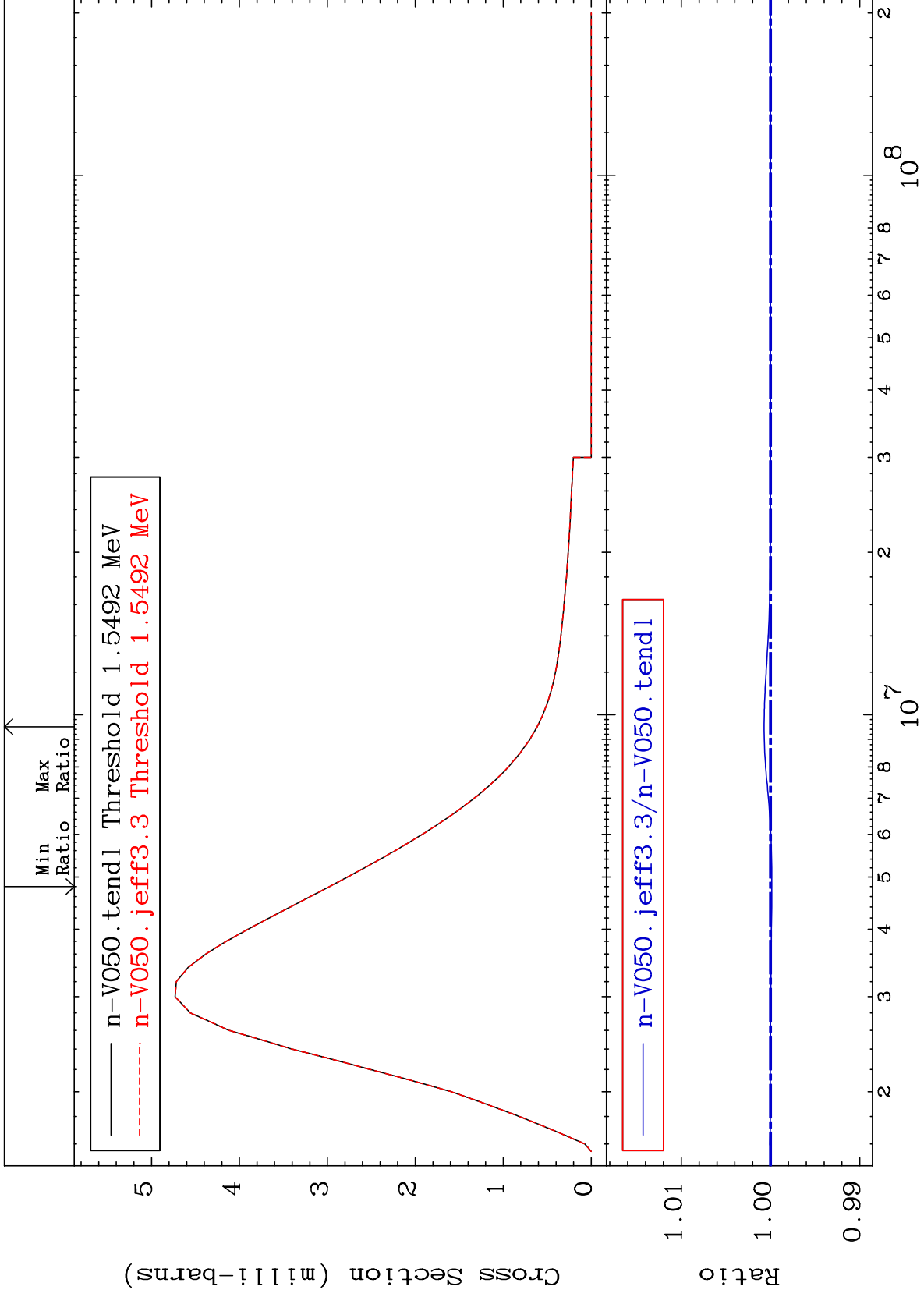
23-V -50  
-0.019 To 0.881 %



MAT 2325

MT= 62 (n,n') Level  
Cross Section

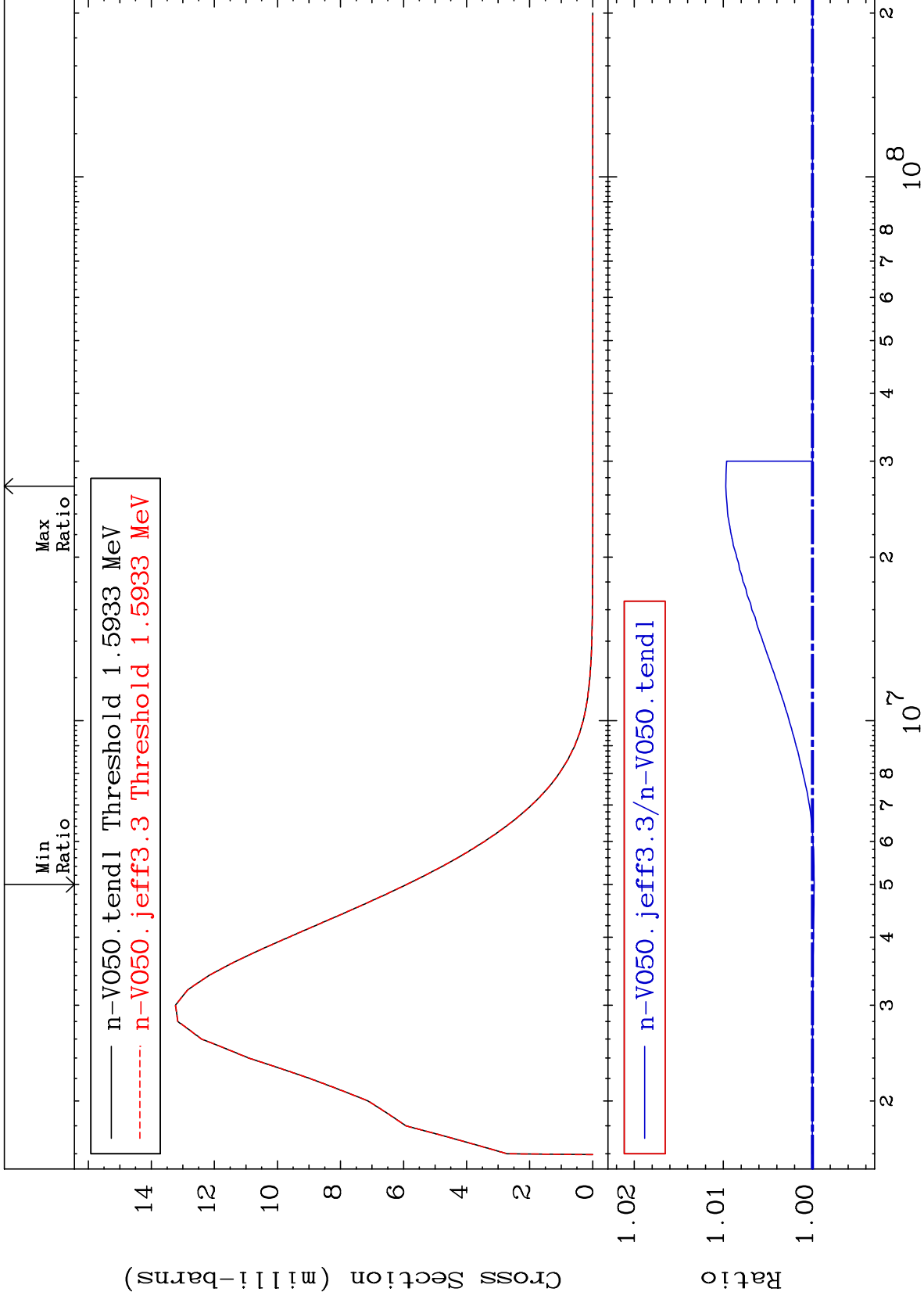
23-V -50  
-0.014 To 0.073 %



MAT 2325

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

23-V -50  
-0.018 To 0.974 %



30

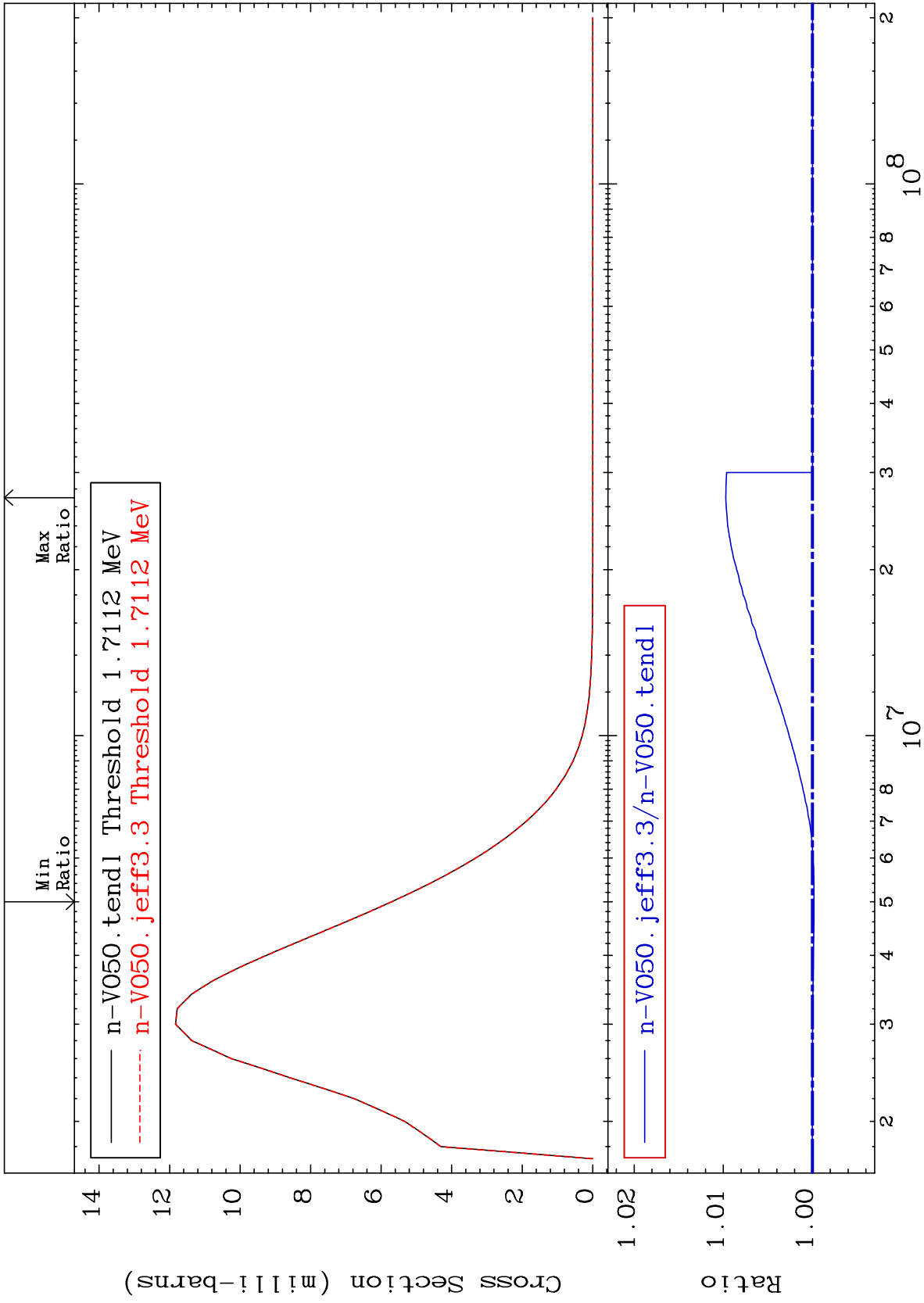
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.018 To 0.973 %



31

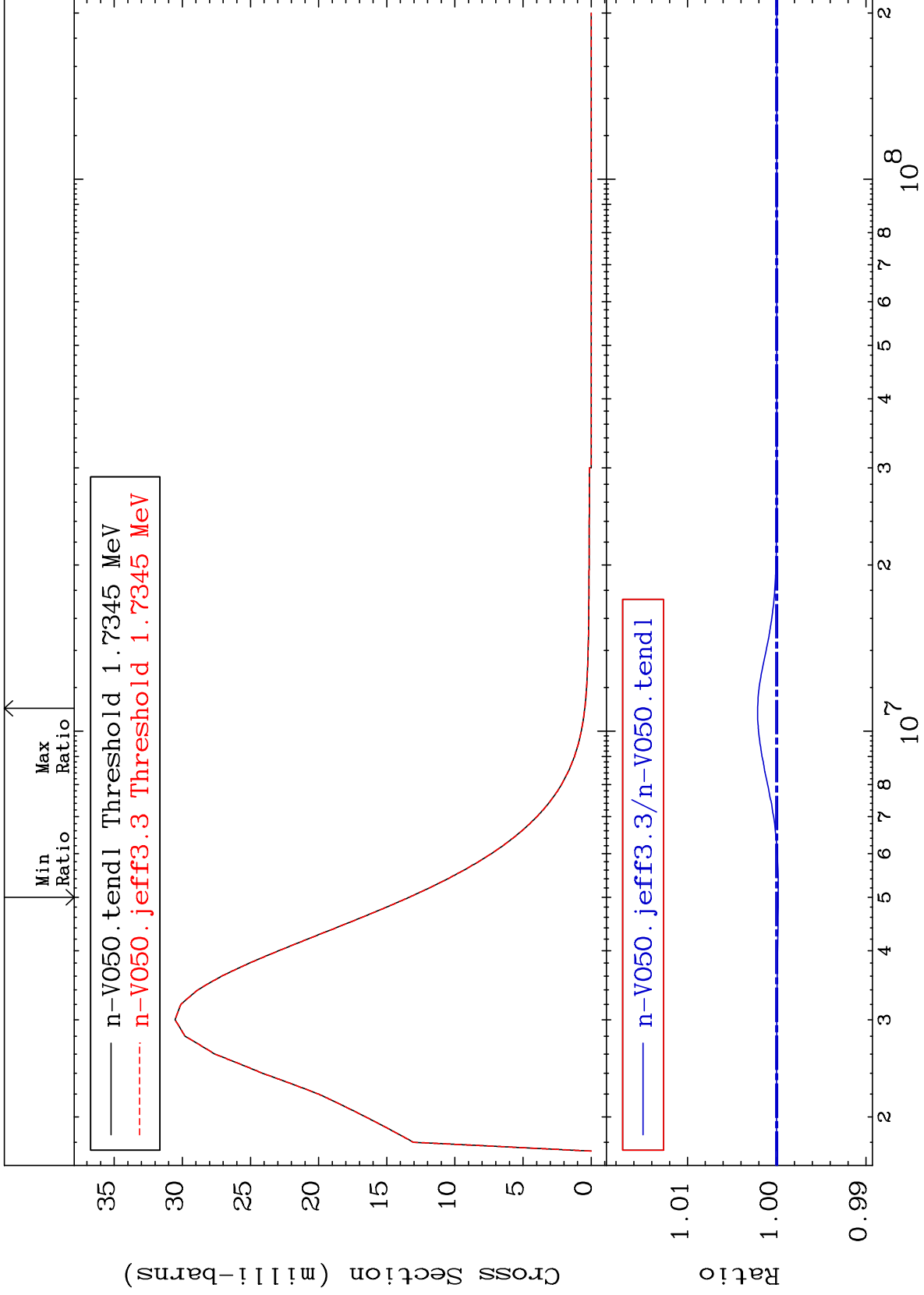
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.018 To 0.213 %



32

Incident Energy (eV)

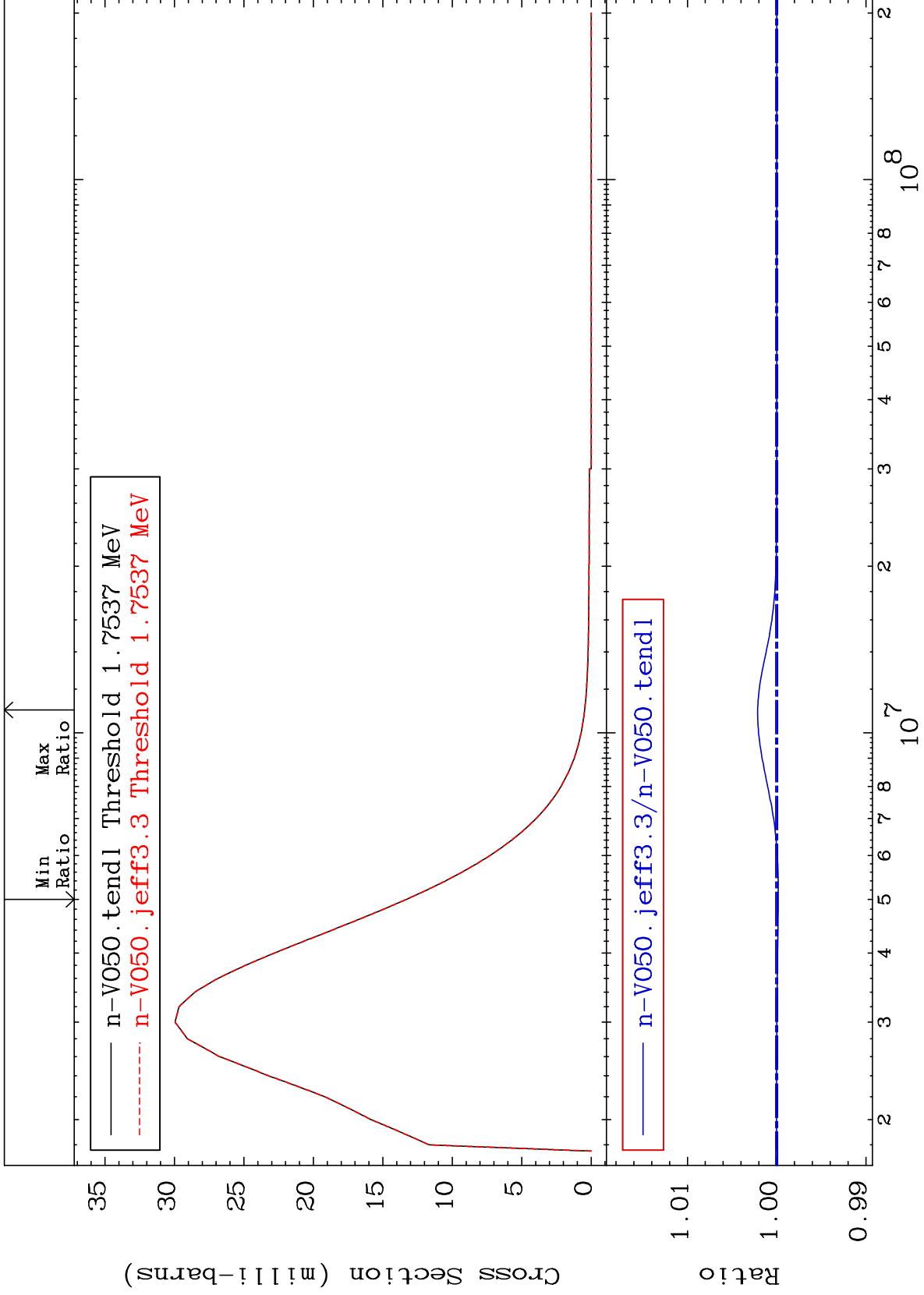
23-V -50



MAT 2325

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

23-V -50  
-0.017 To 0.213 %



33

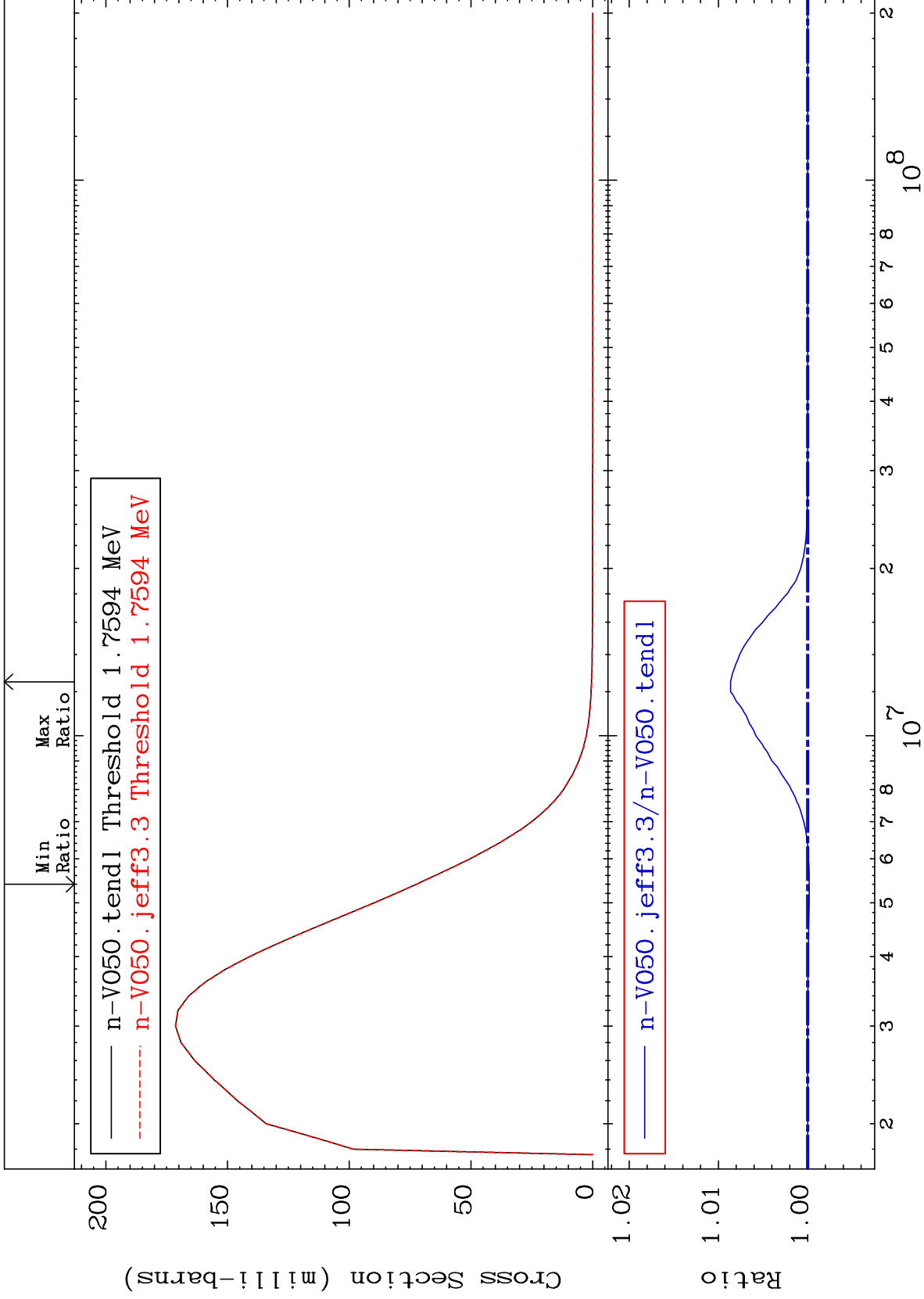
Incident Energy (eV)

23-V -50

MAT 2325

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

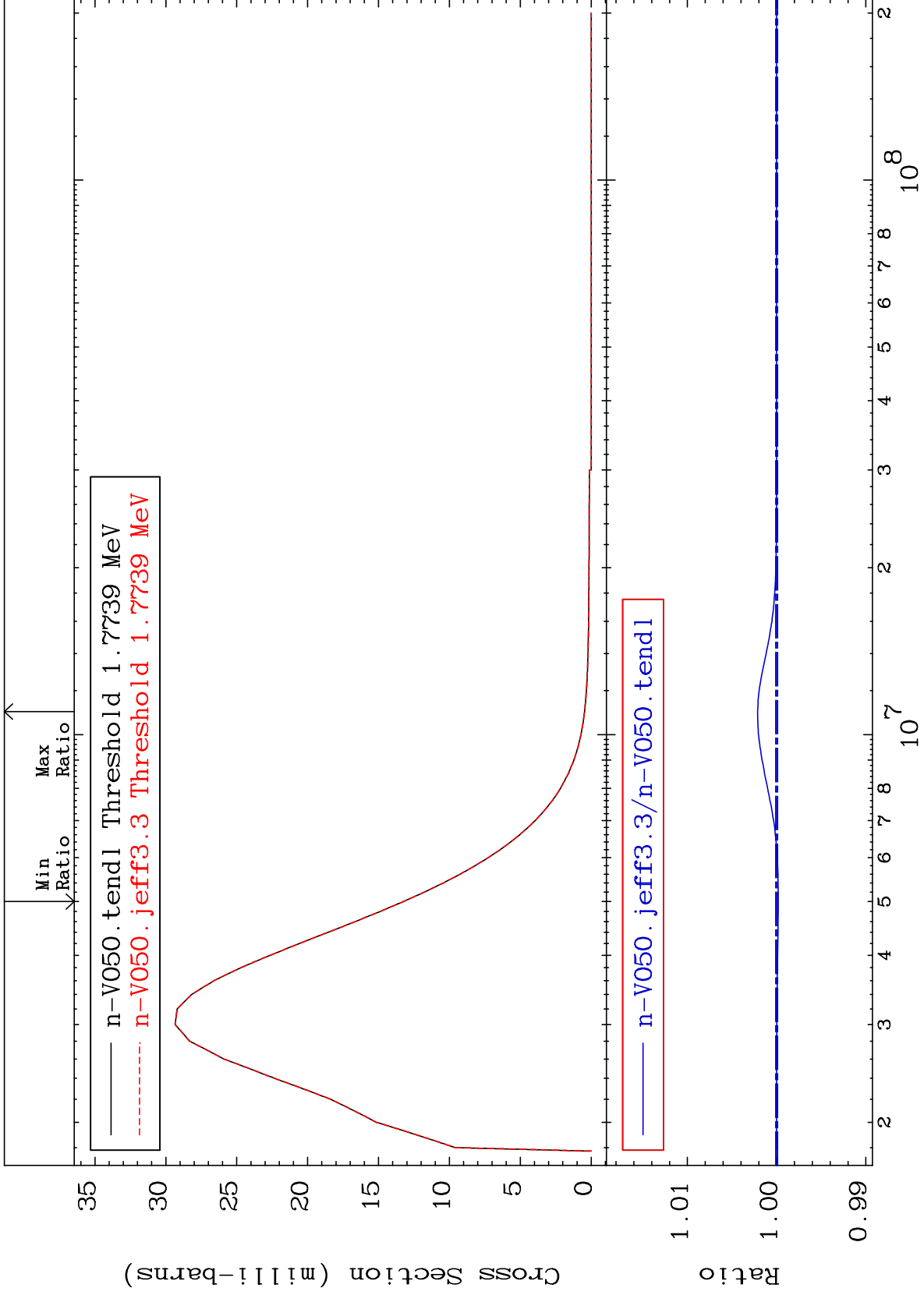
23-V -50  
-0.019 To 0.865 %



MAT 2325

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

23-V -50  
-0.018 To 0.213 %



35

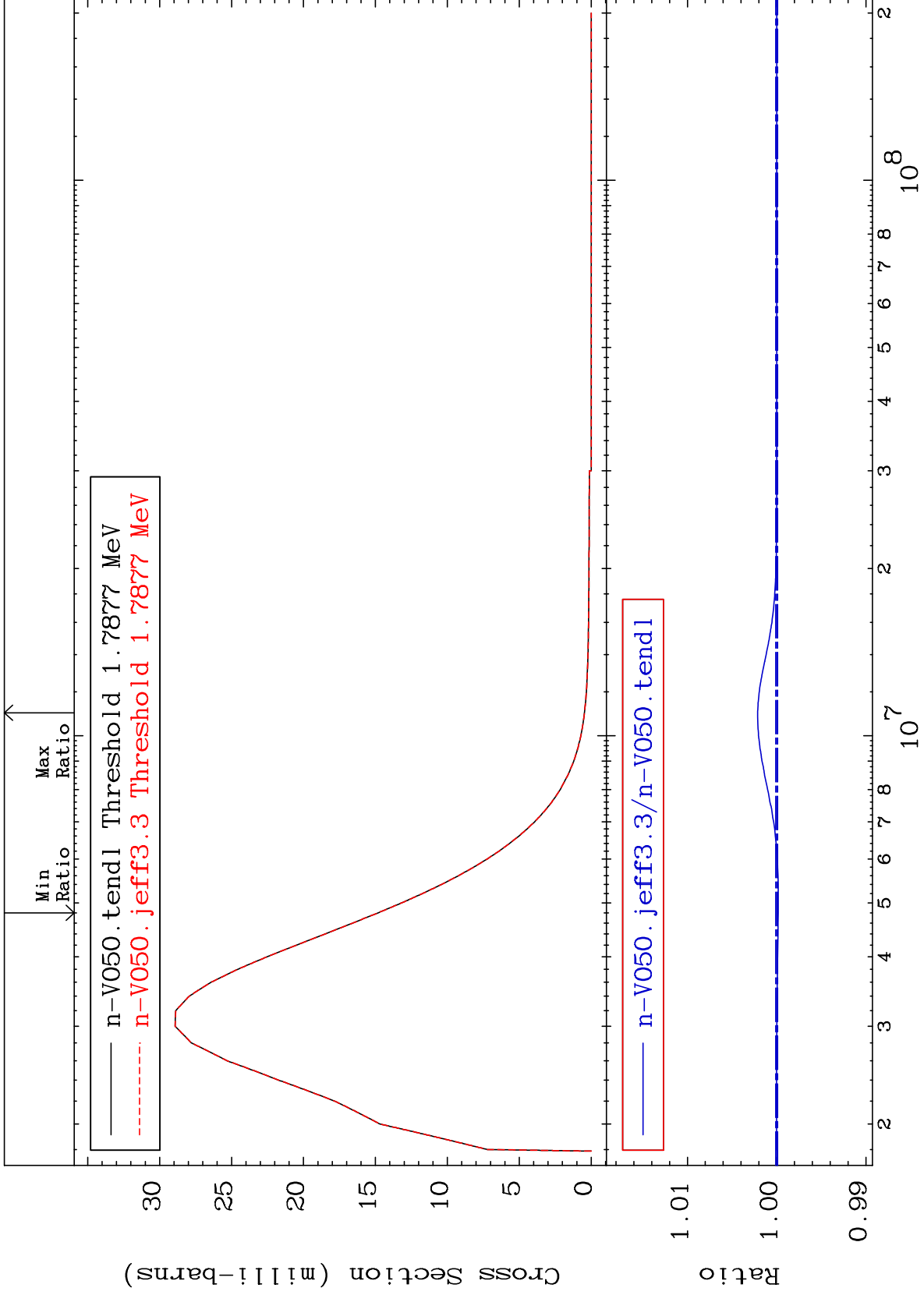
Incident Energy (eV)

23-V -50

MAT 2325

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

23-V -50  
-0.018 To 0.213 %



36

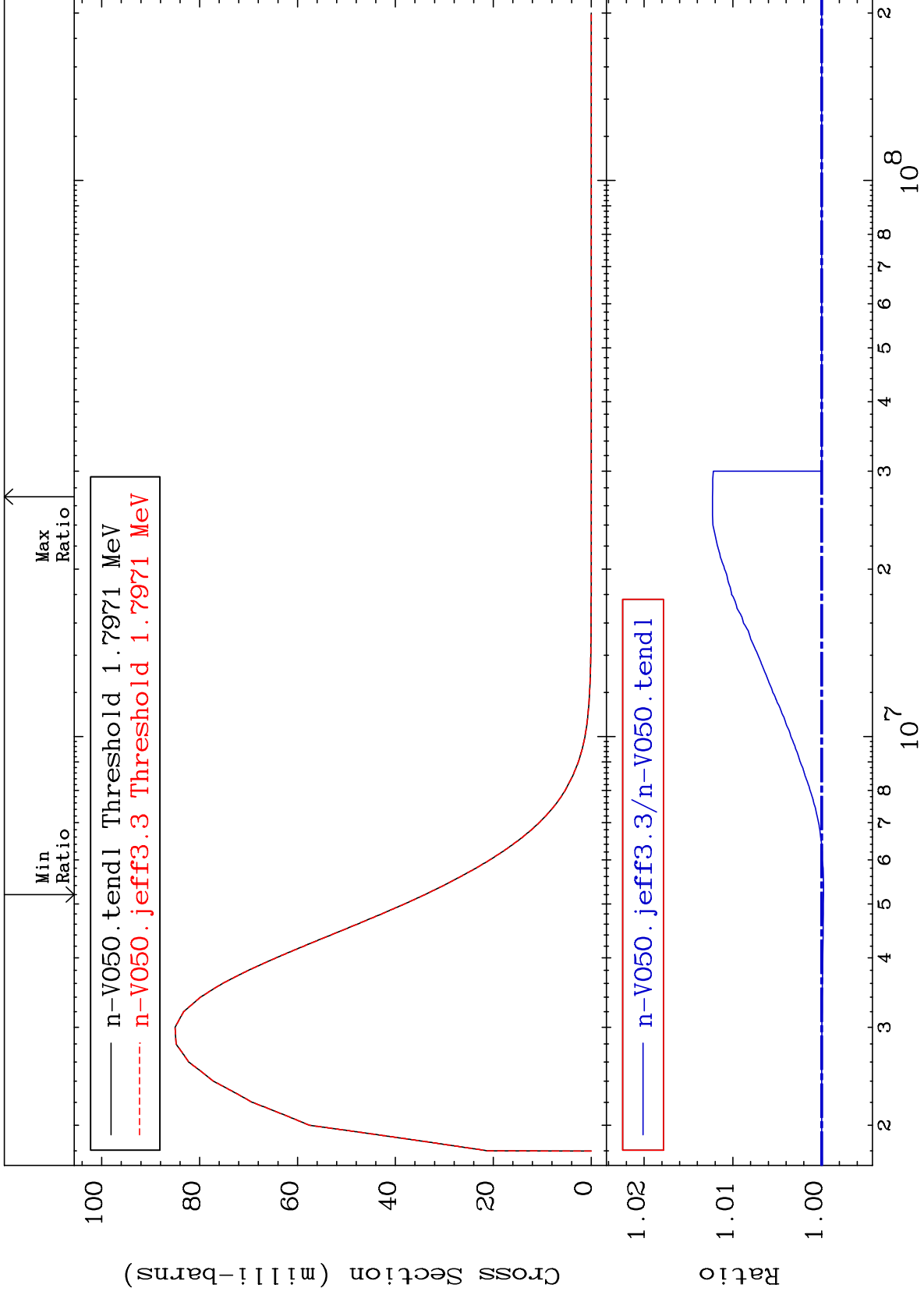
Incident Energy (eV)

23-V -50

MAT 2325

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

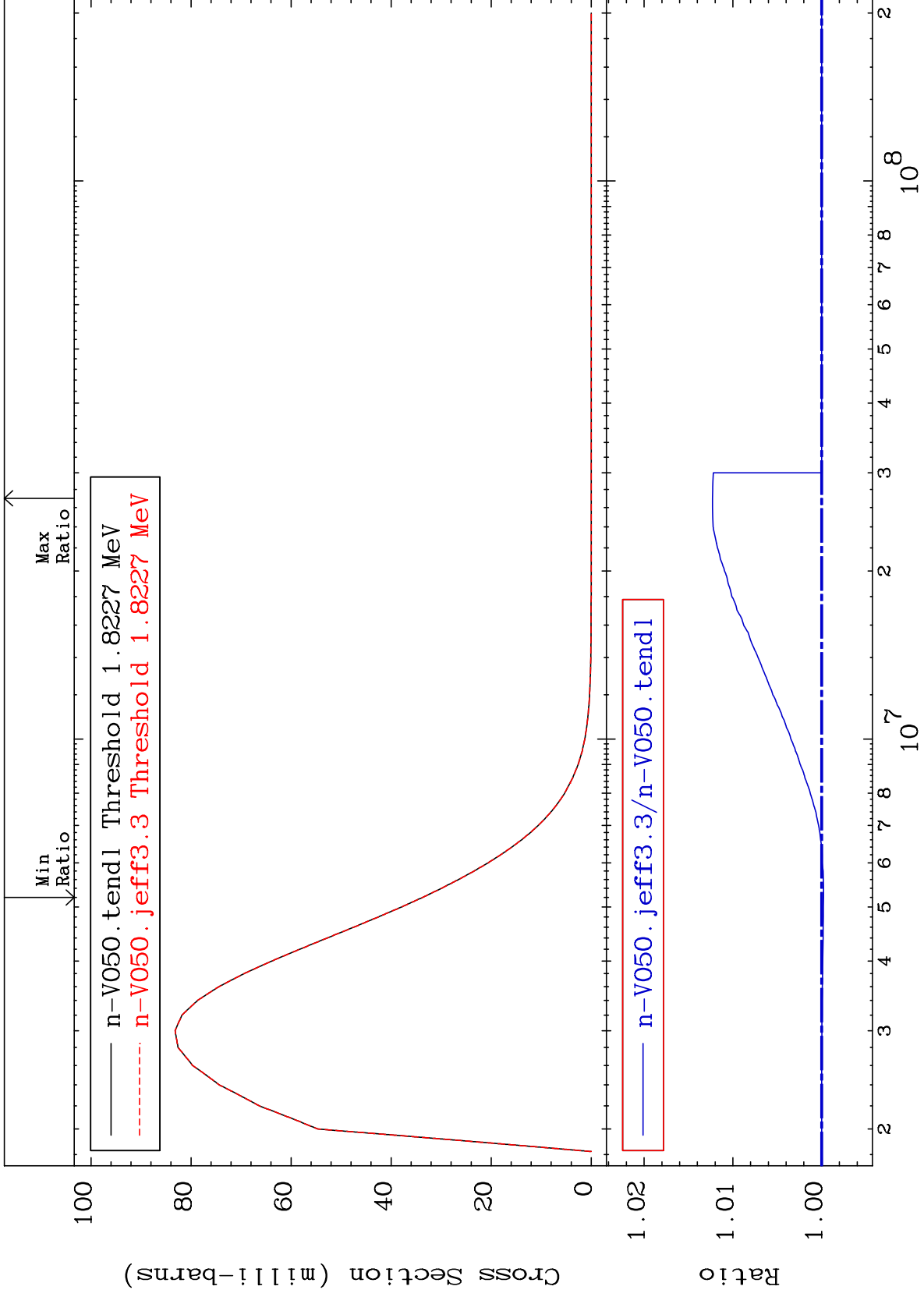
23-V -50  
-0.021 To 1.231 %



MAT 2325

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

23-V -50  
-0.020 To 1.230 %



38

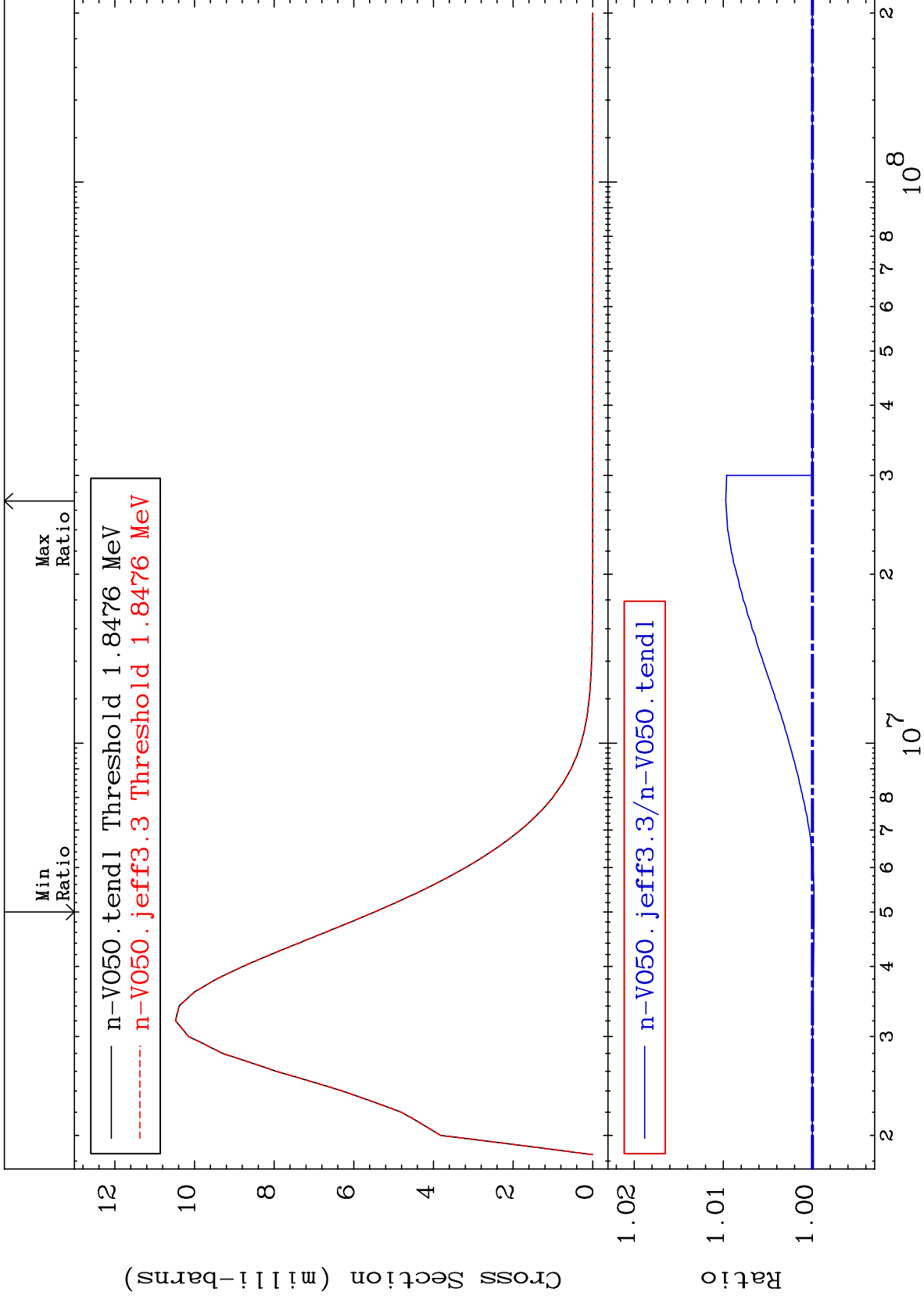
Incident Energy (eV)

23-V -50

MAT 2325

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

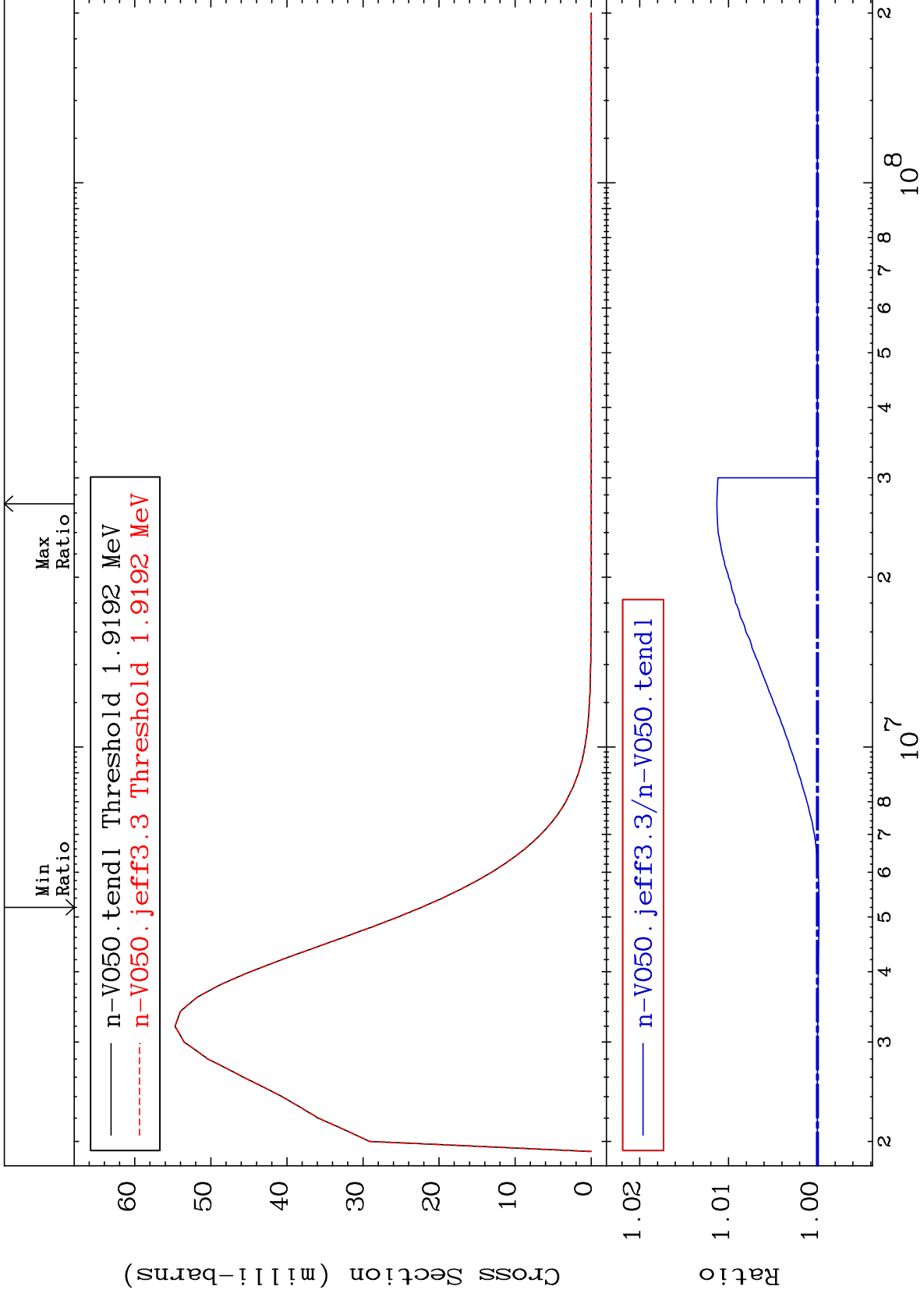
23-V -50  
-0.018 To 0.972 %



MAT 2325

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

23-V -50  
-0.019 To 1.132 %



40

Incident Energy (eV)

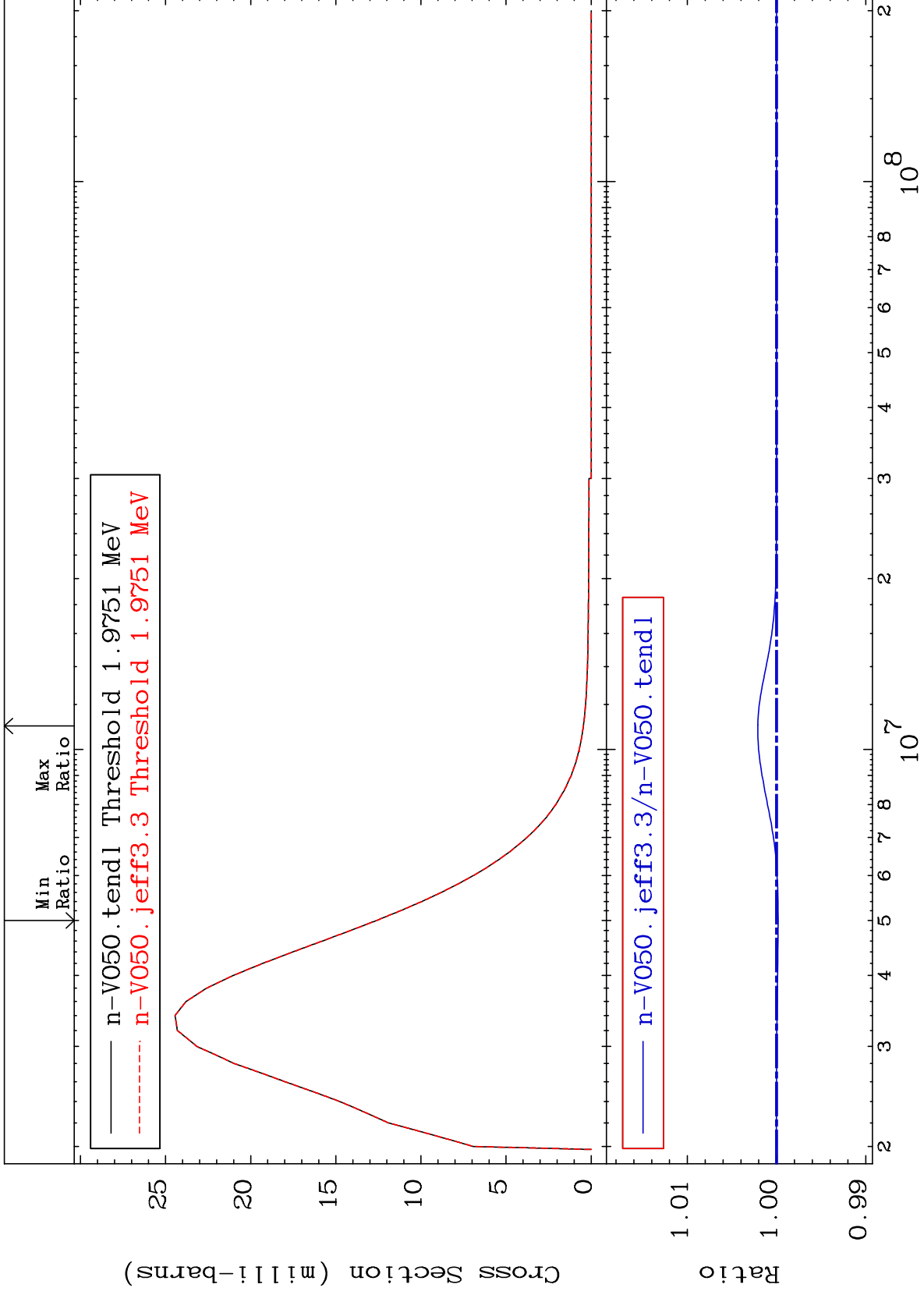
23-V -50



MAT 2325

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

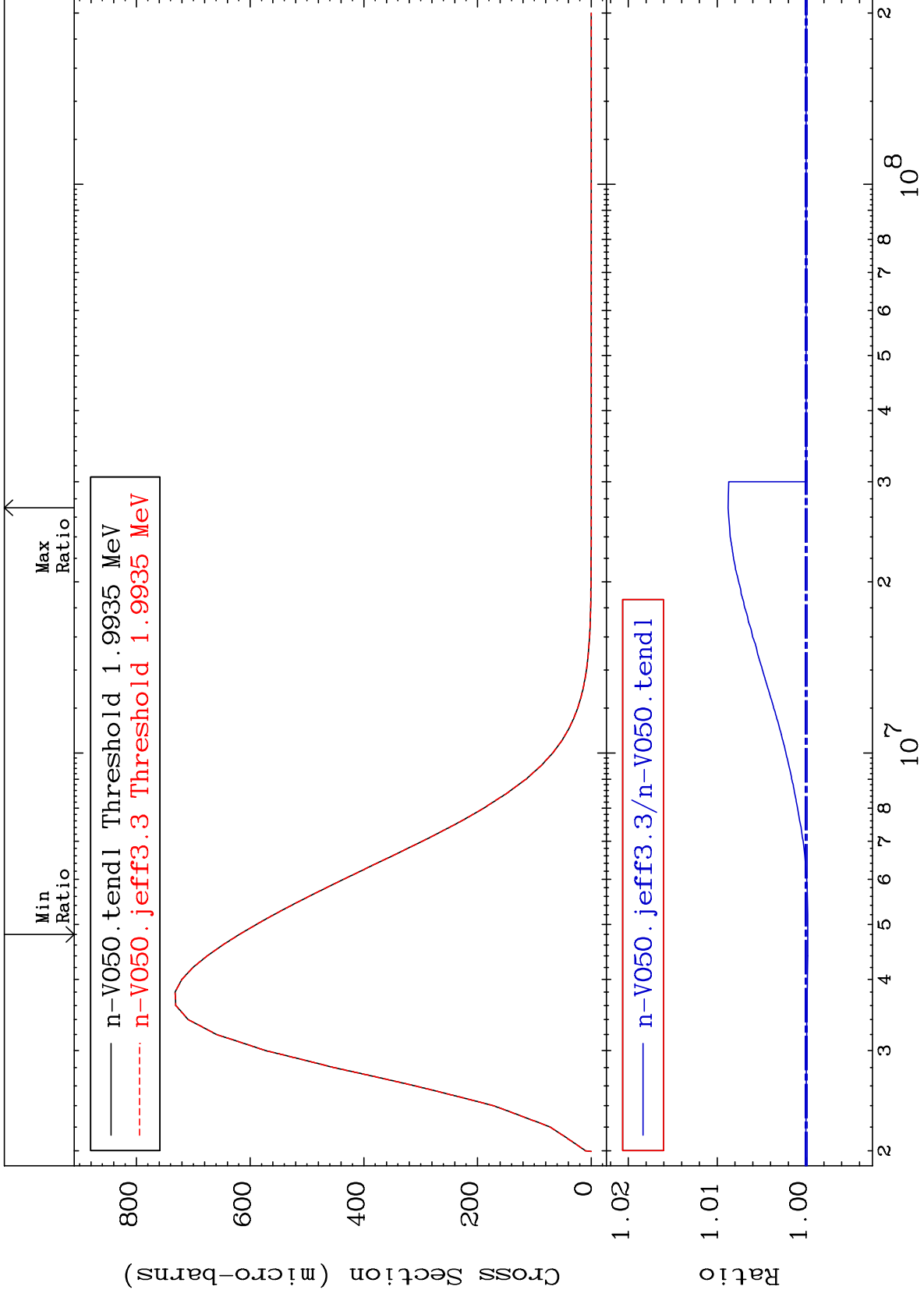
23-V -50  
-0.017 To 0.211 %



MAT 2325

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

23-V -50  
-0.019 To 0.878 %



42

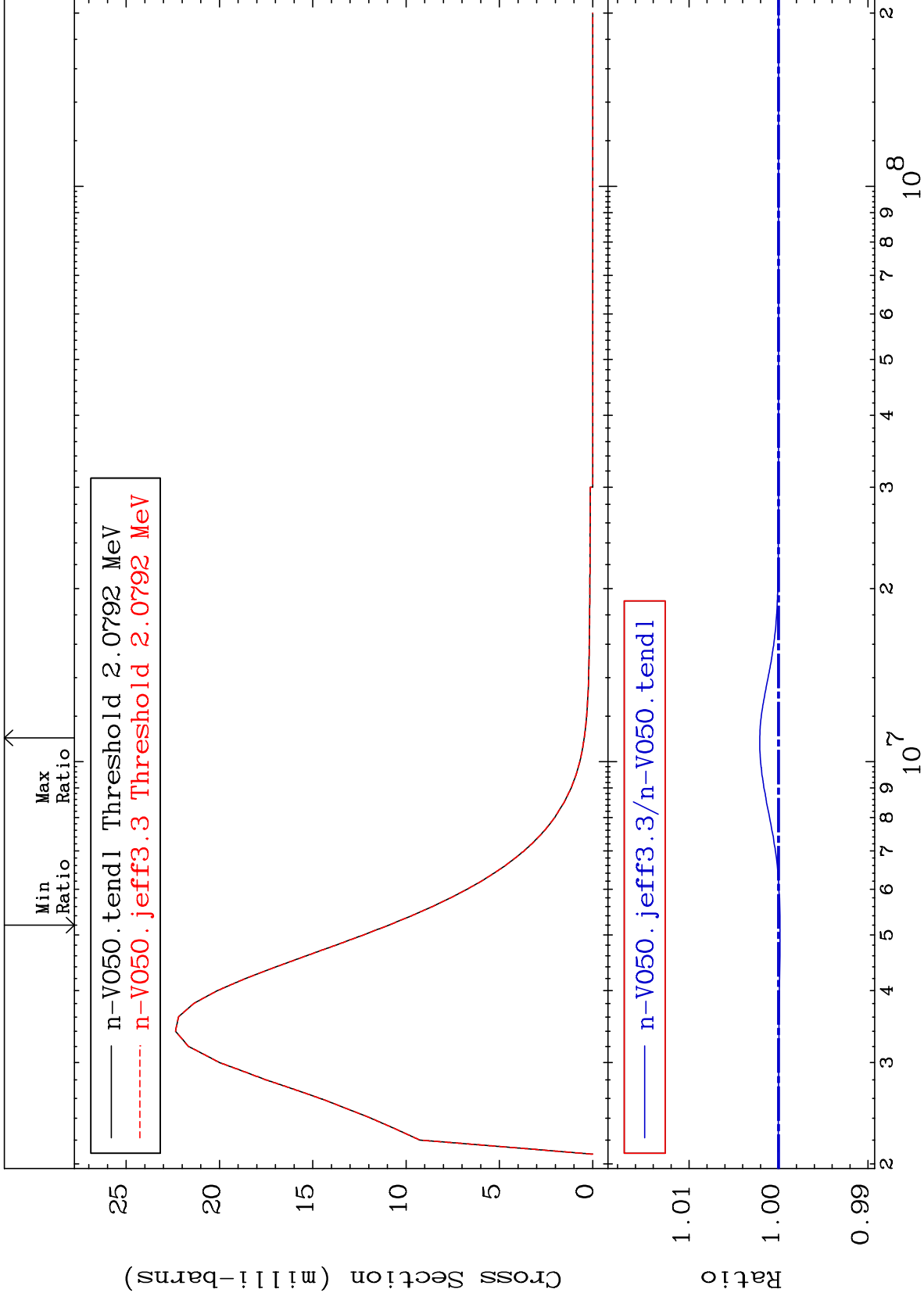
Incident Energy (eV)

23-V -50

MAT 2325

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

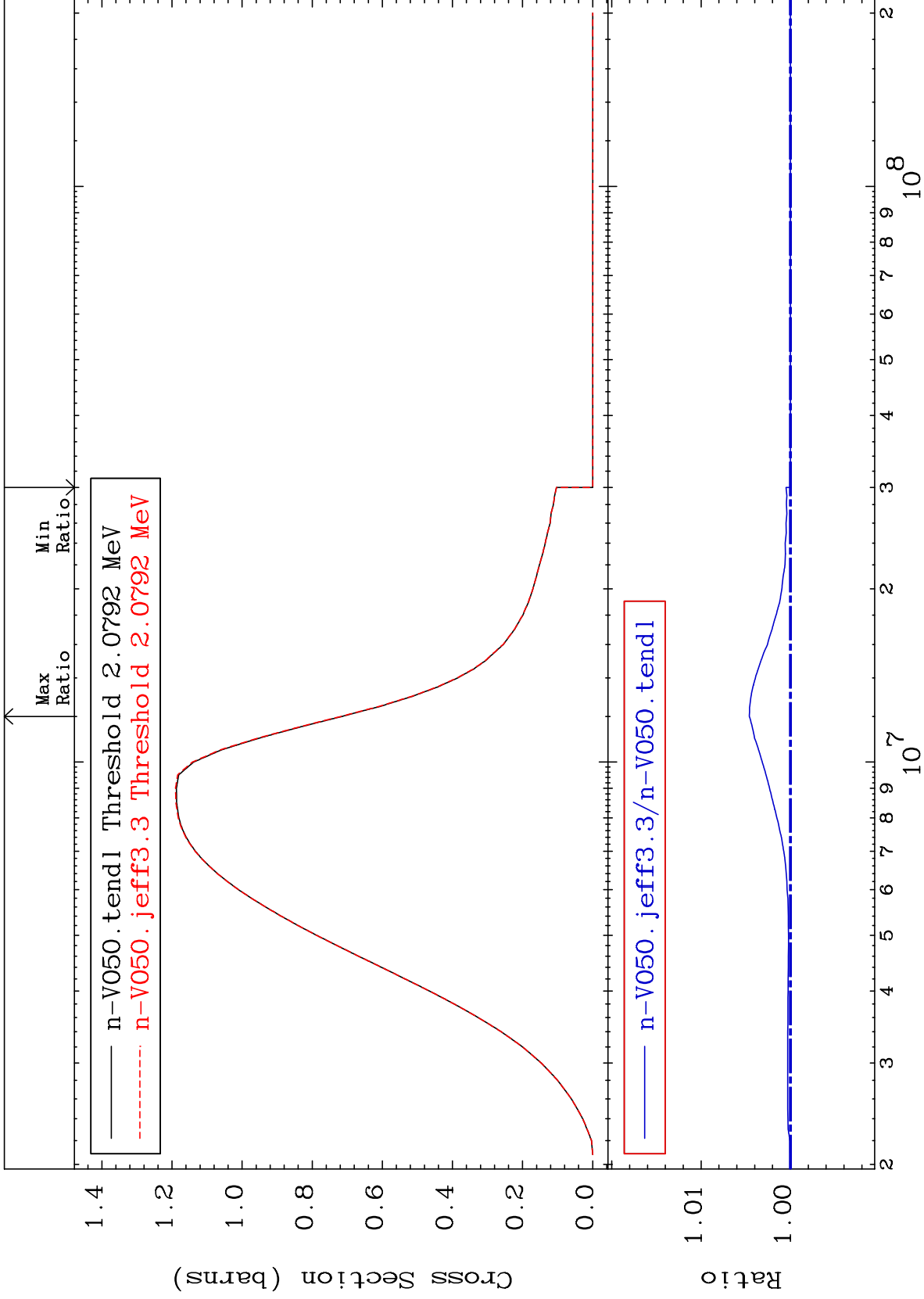
23-V -50  
-0.017 To 0.210 %

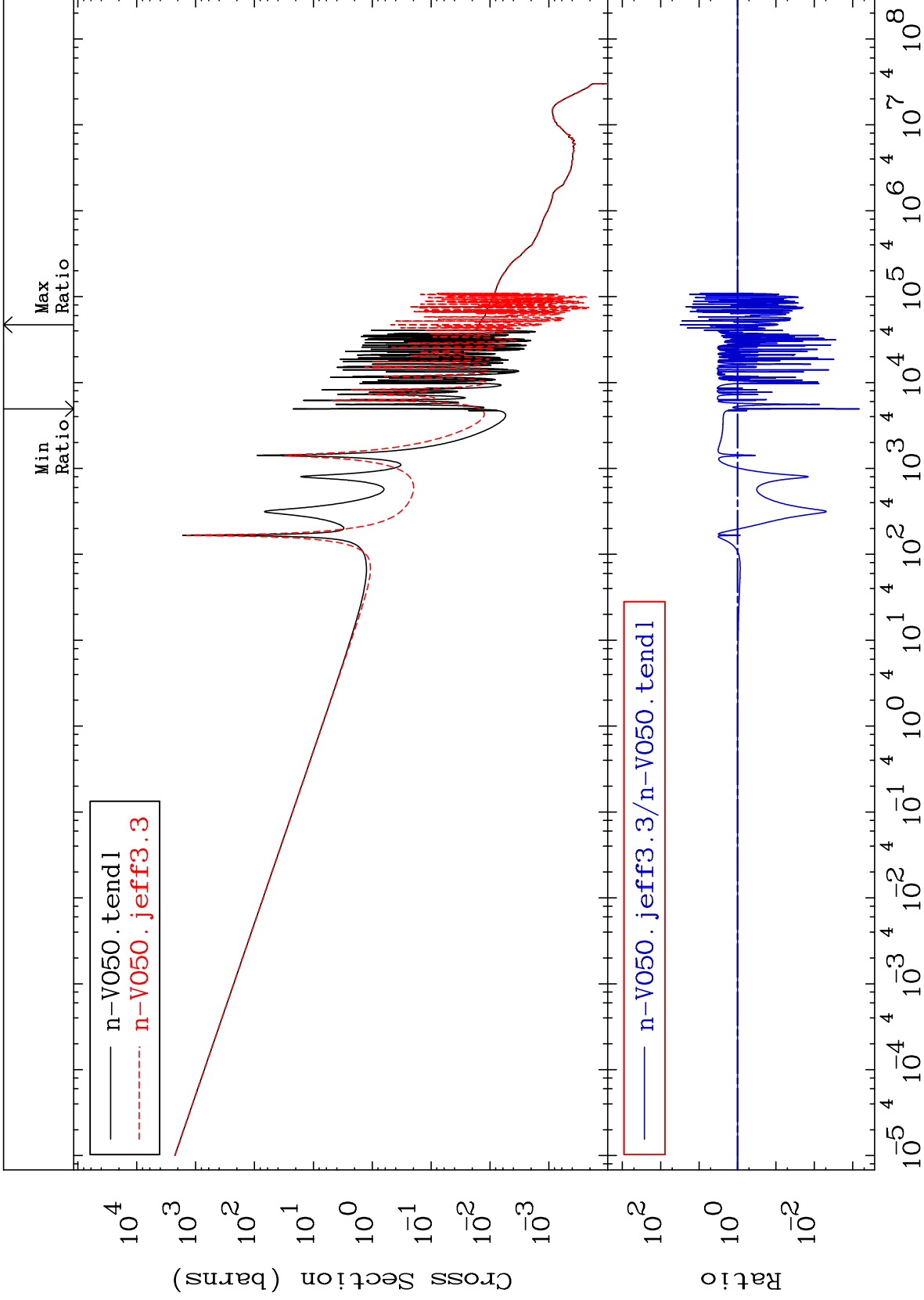


MAT 2325

(n, n') Continuum  
Cross Section

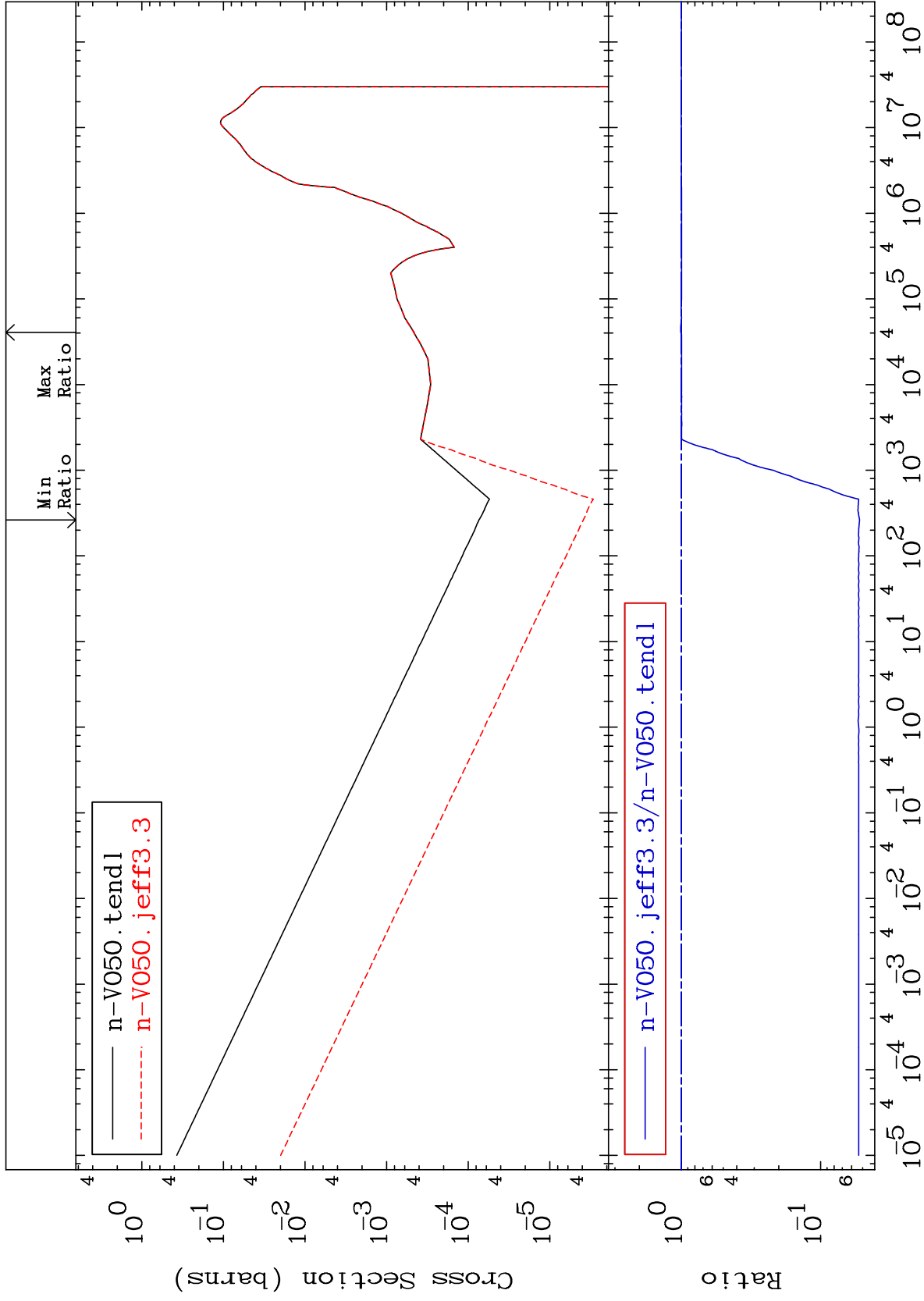
23-V -50  
0.000 To 0.460 %





Cross Section

-94.74 To 0.952 %



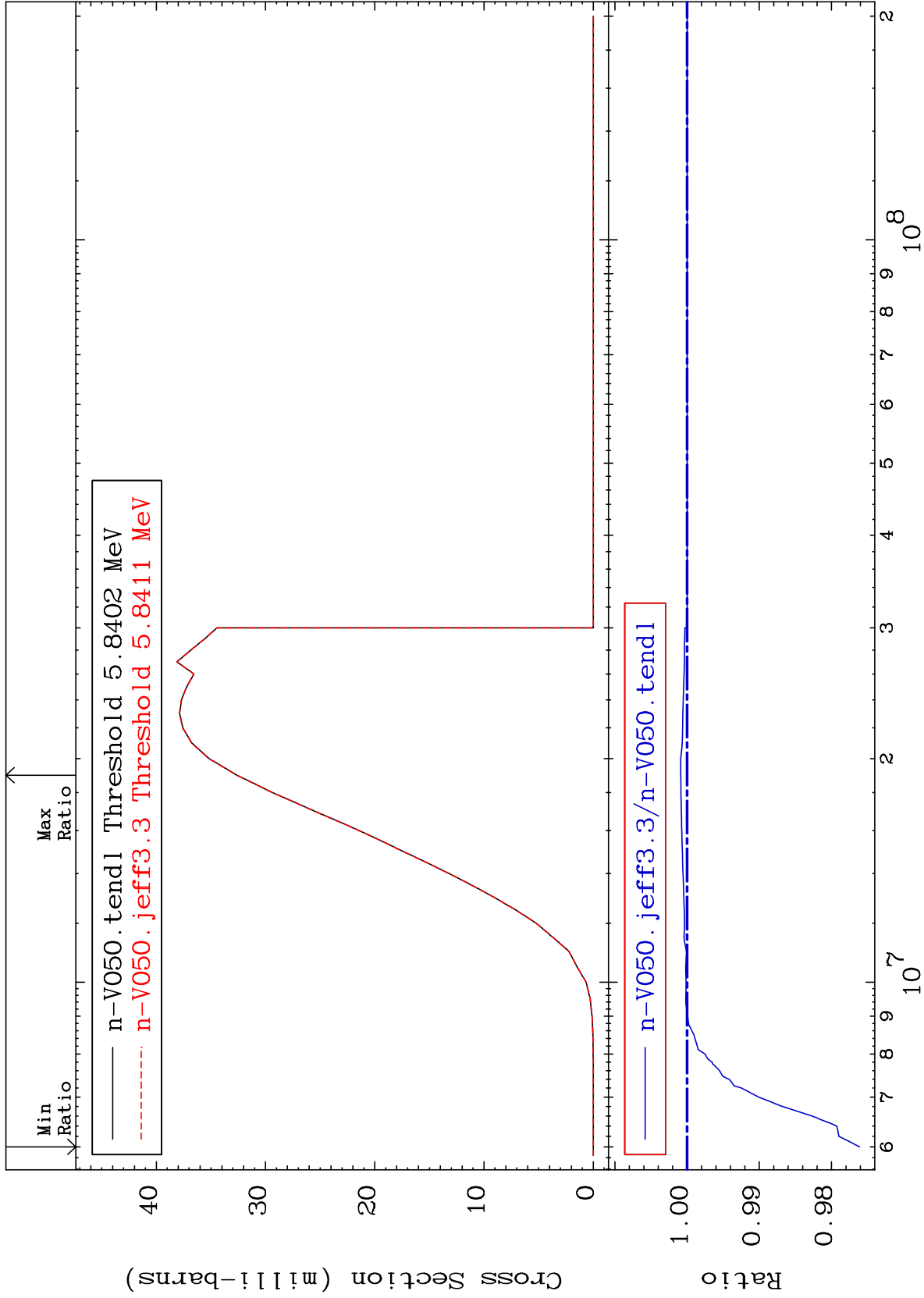
MAT 2325

(n, d)

23-V -50

Cross Section

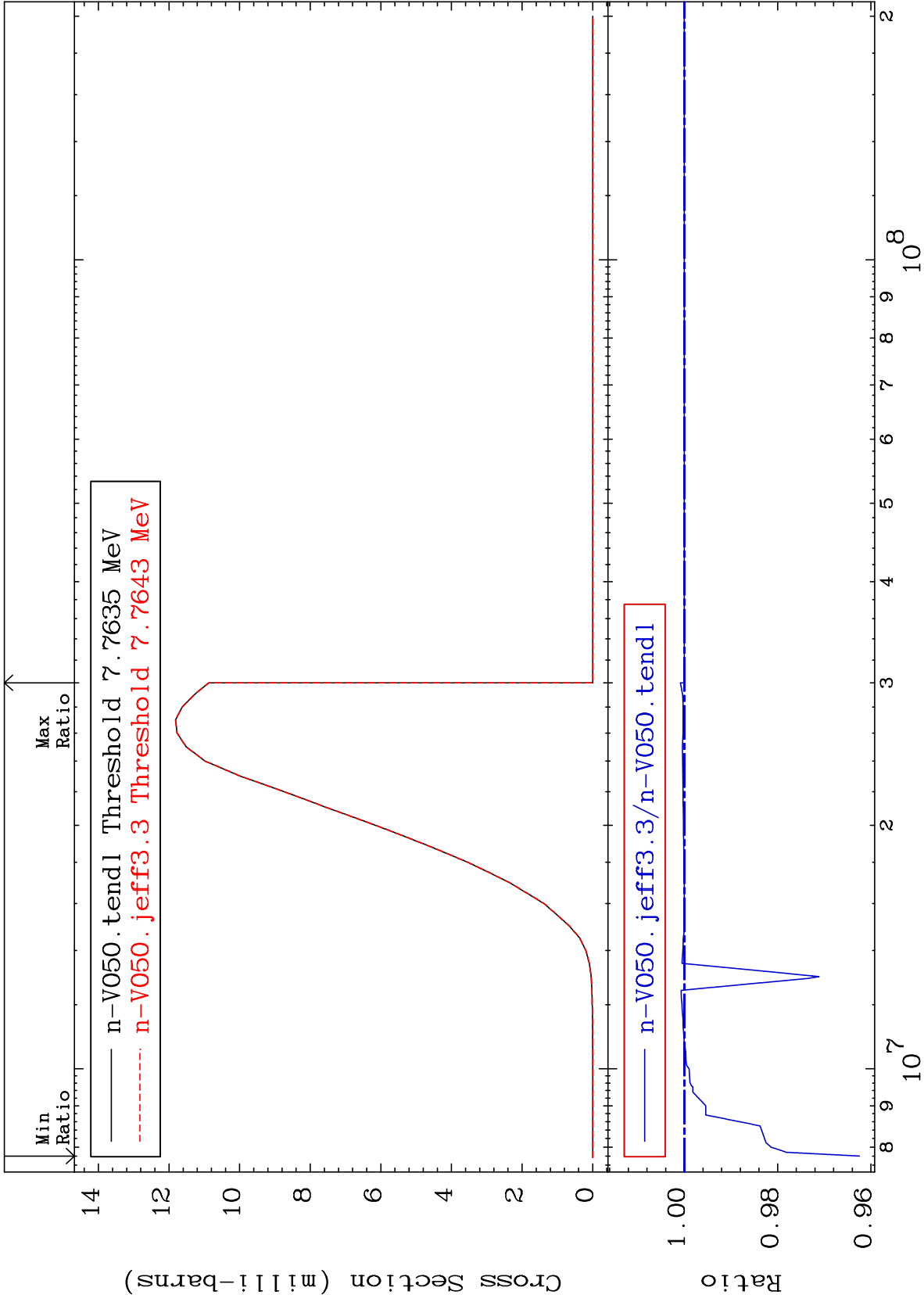
-2.389 To 0.088 %



47

Incident Energy (eV)

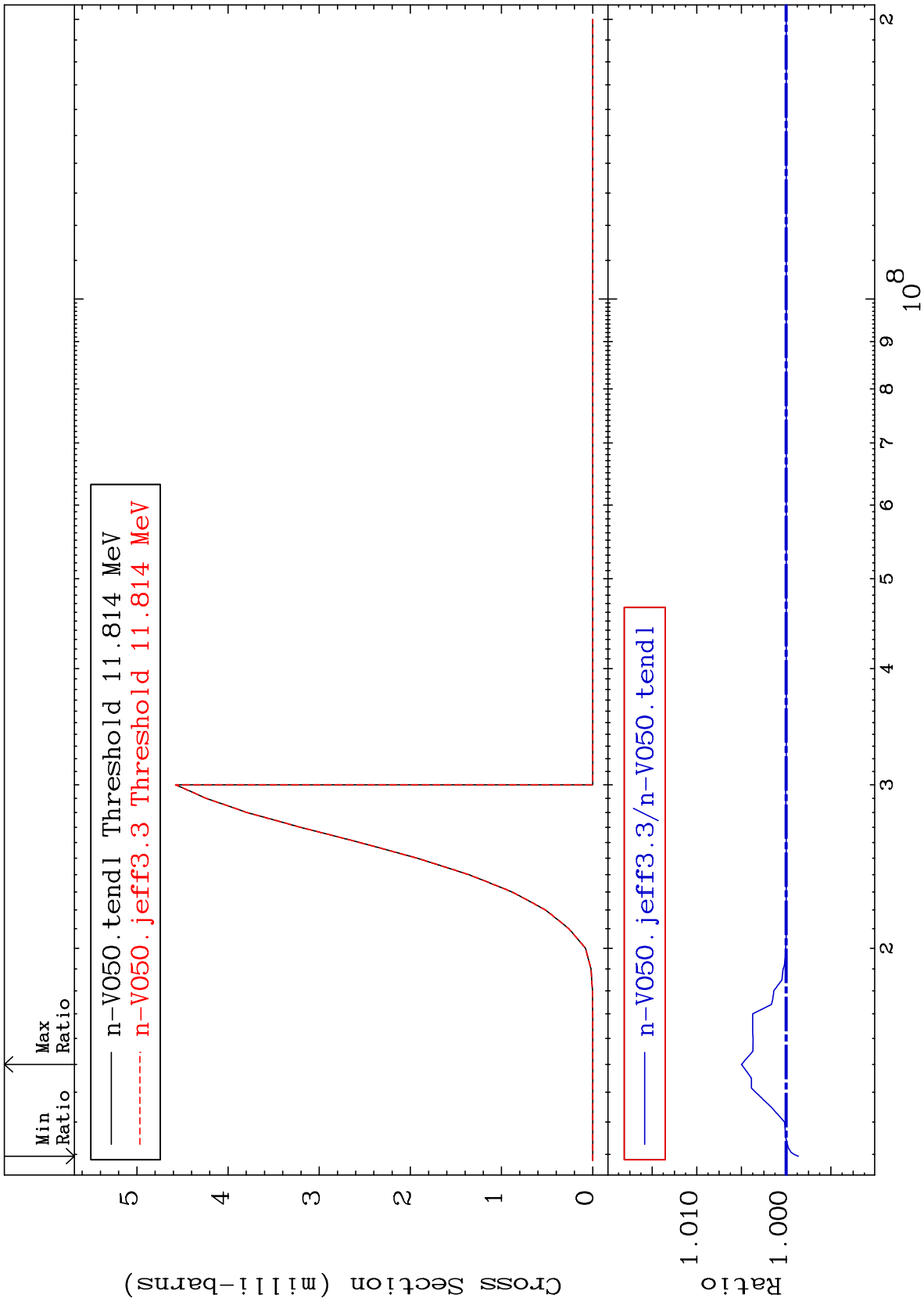
23-V -50





Cross Section

-0.136 To 0.500 %



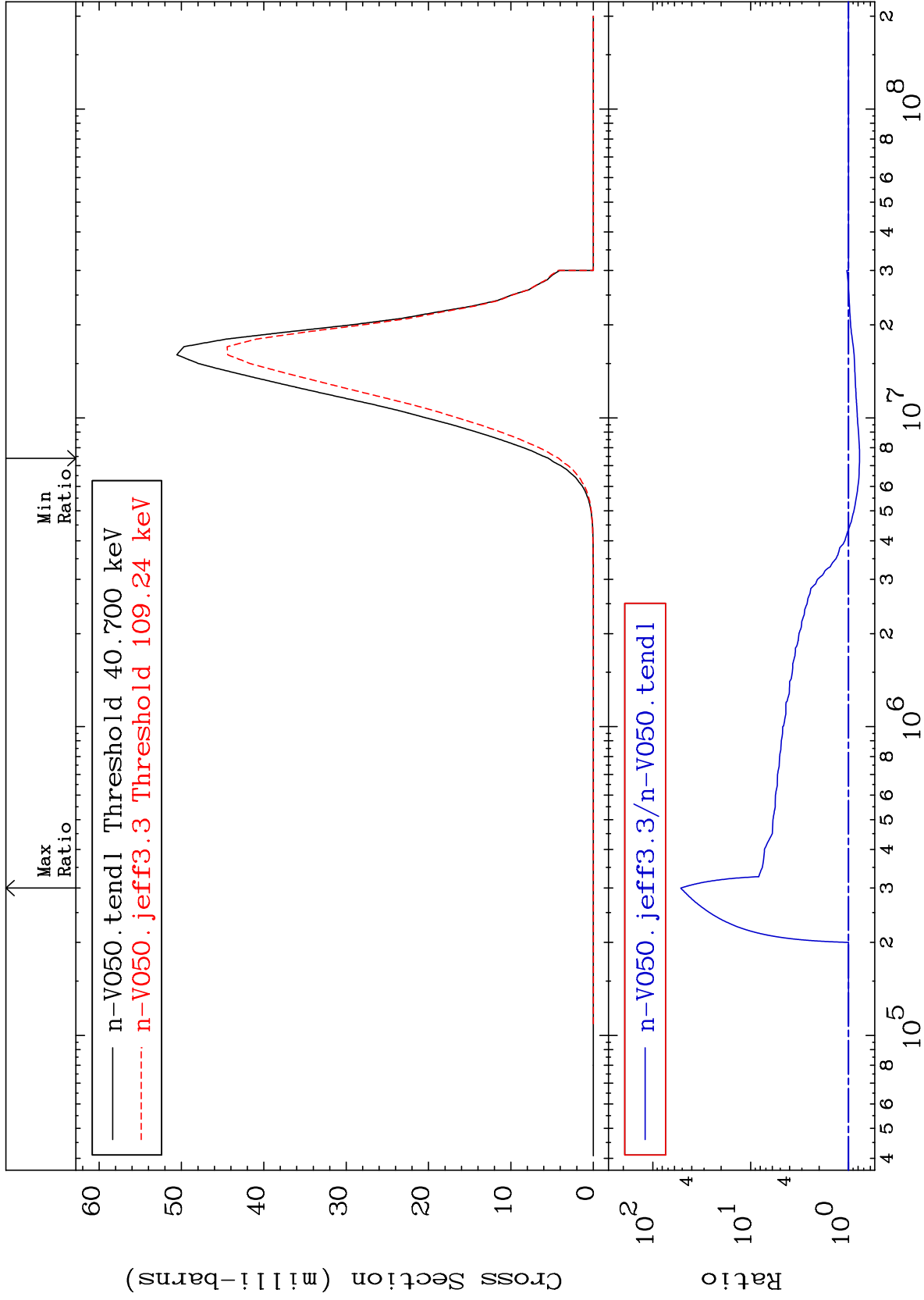
MAT 2325

(n,  $\alpha$ )

23-V -50

Cross Section

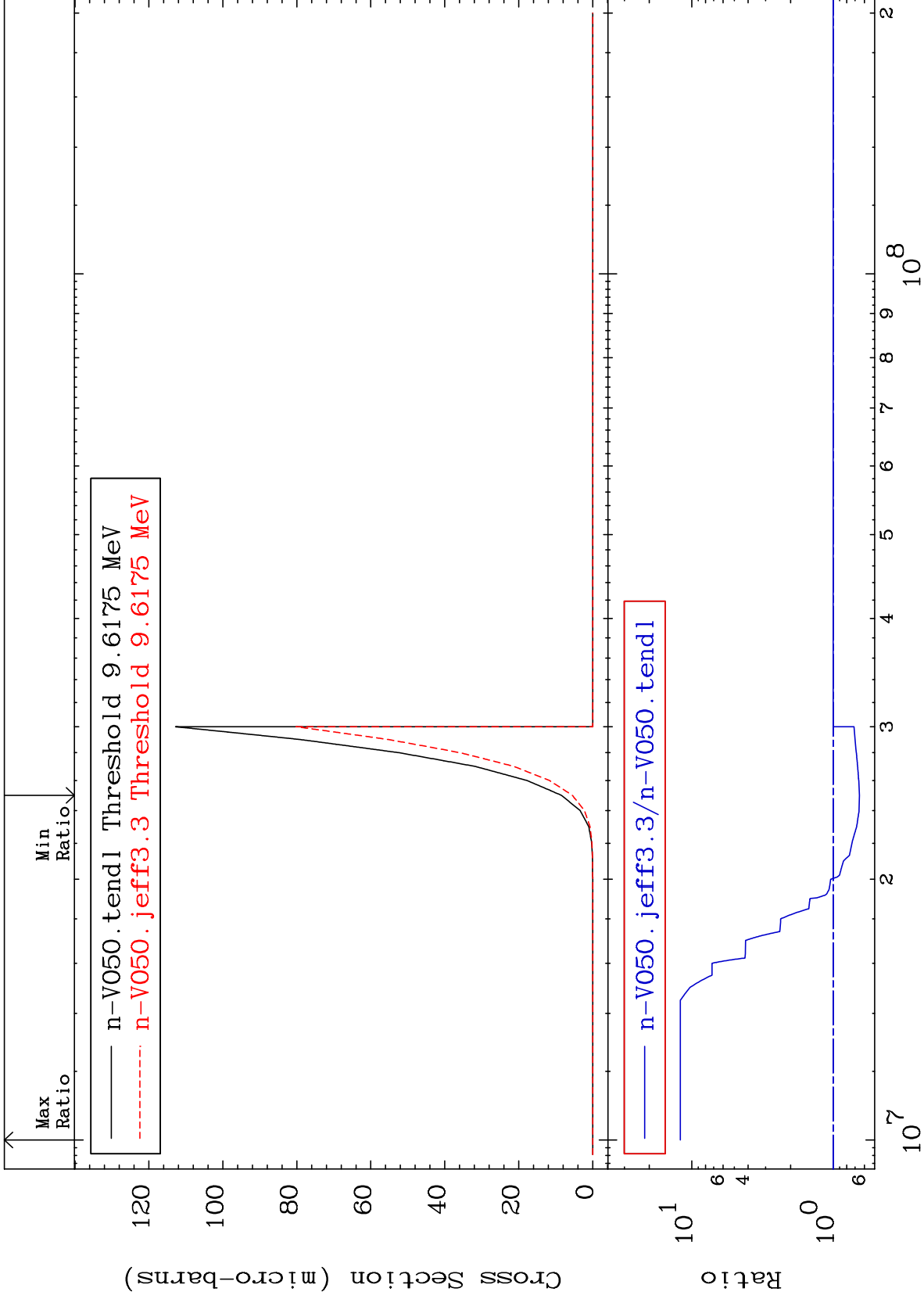
-22.79 To 5078. %



50

Incident Energy (eV)

23-V -50



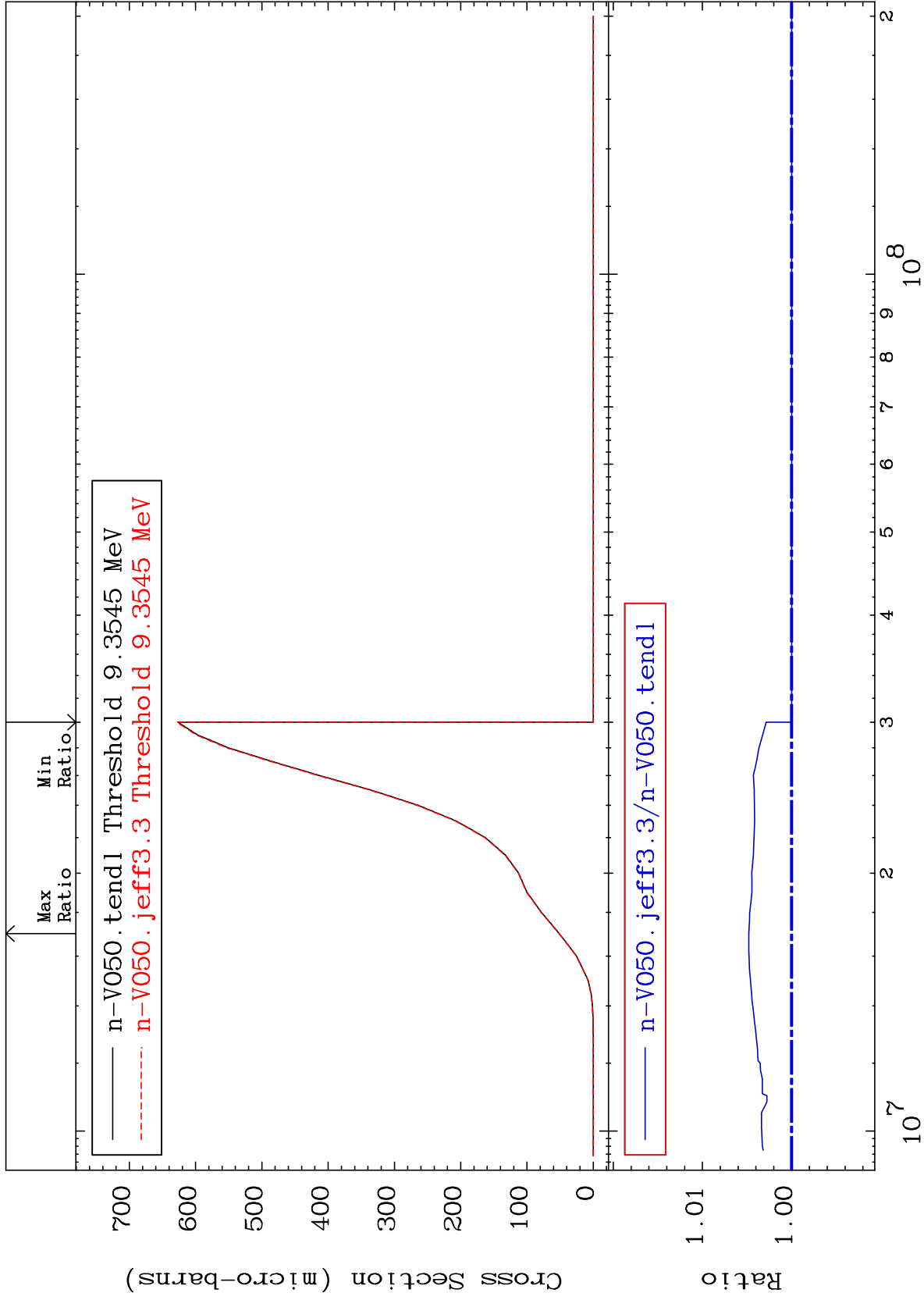
MAT 2325

(n,2p)

23-V -50

Cross Section

0.000 To 0.481 %



52

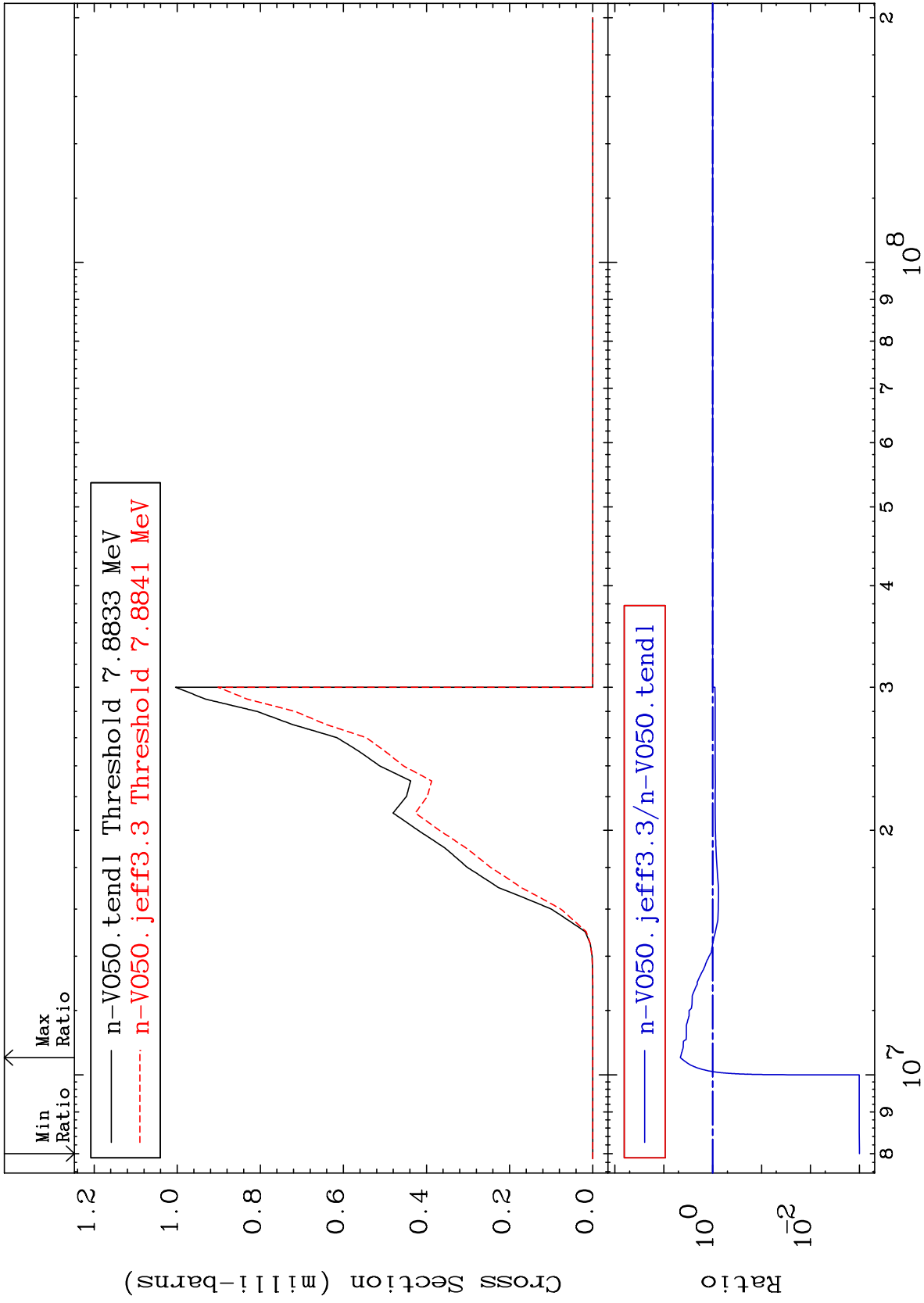
Incident Energy (eV)

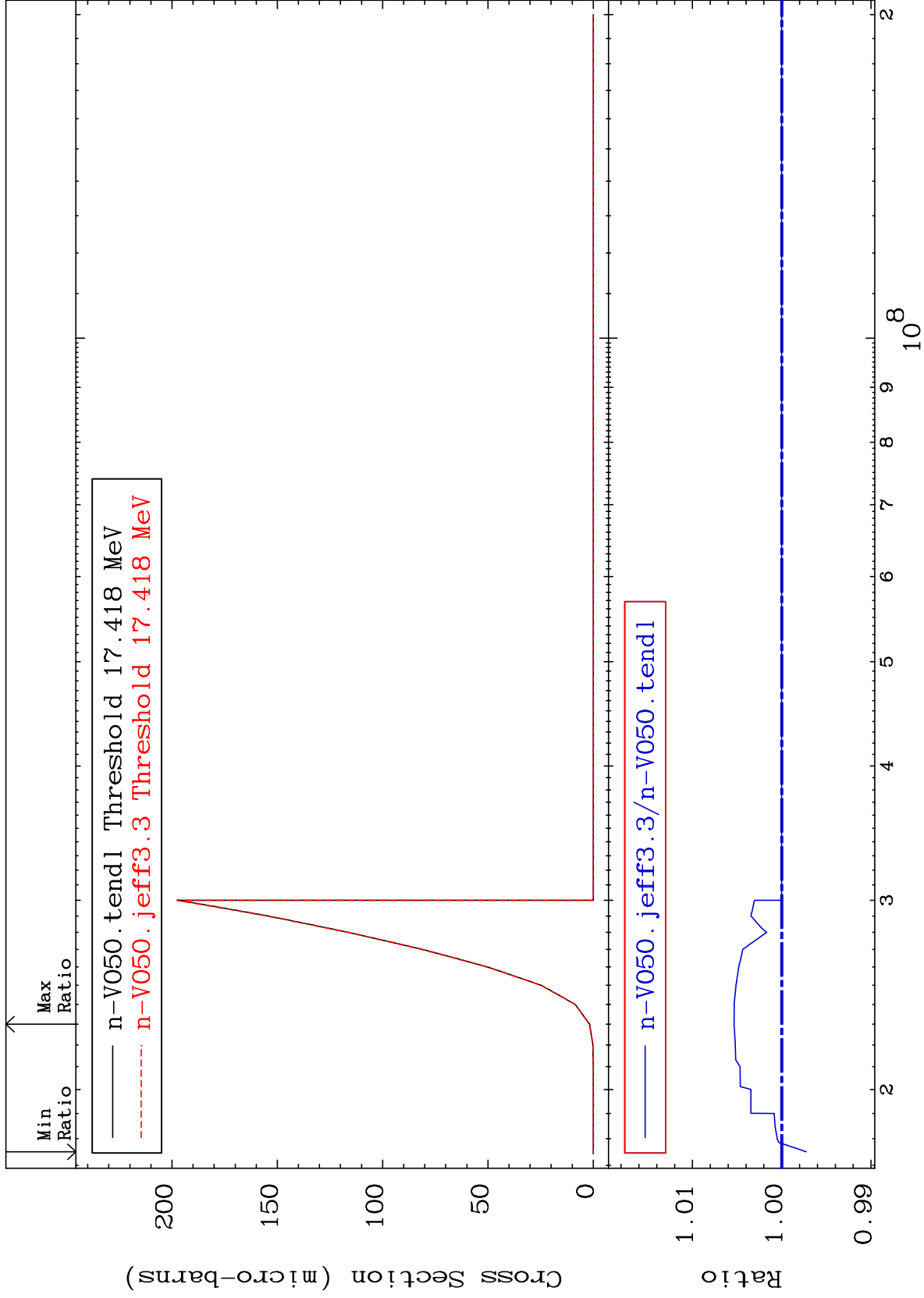
23-V -50

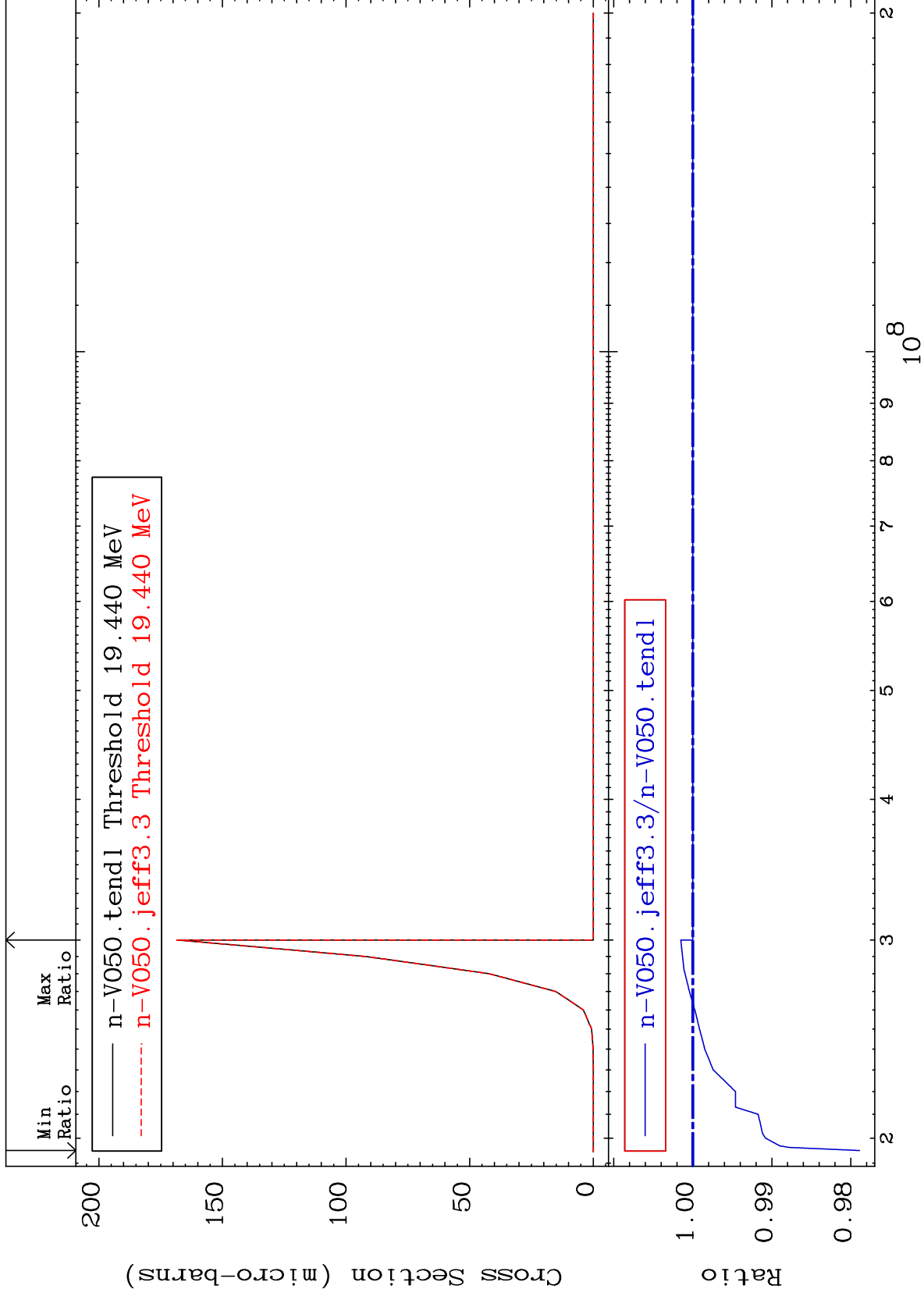
MAT 2325

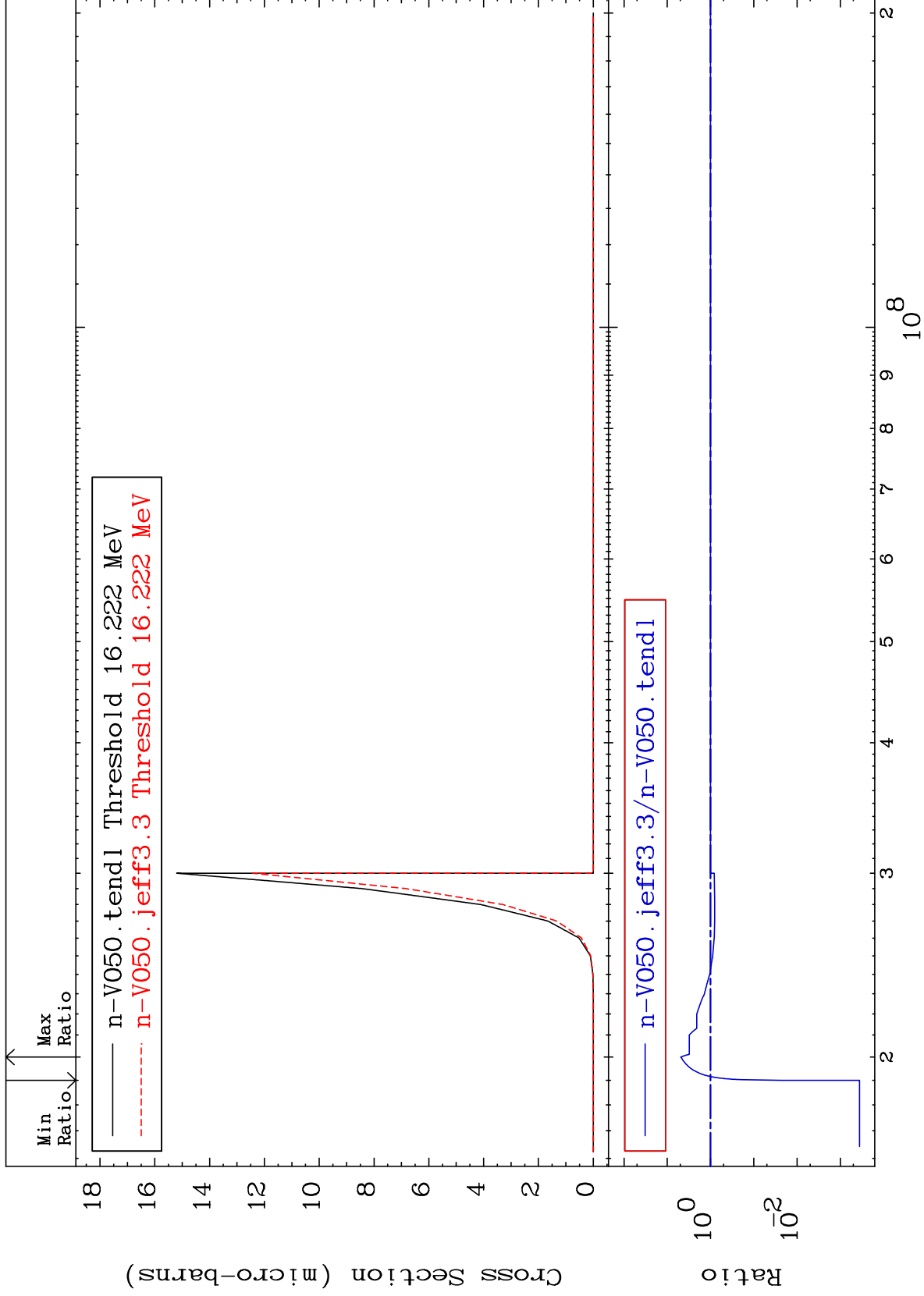
(n,p)  $\alpha$   
Cross Section

23-V -50  
-99.90 To 357.4 %

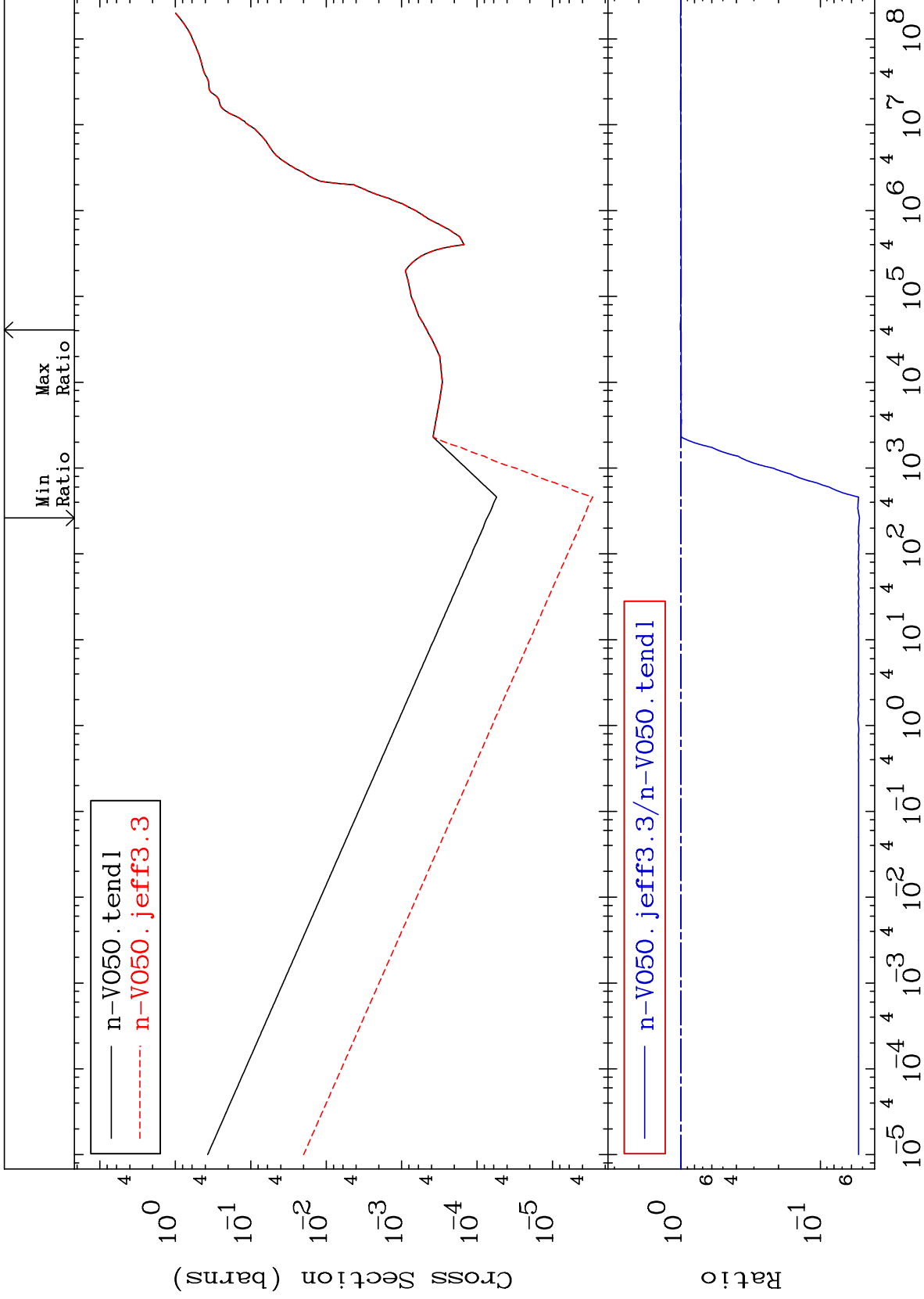


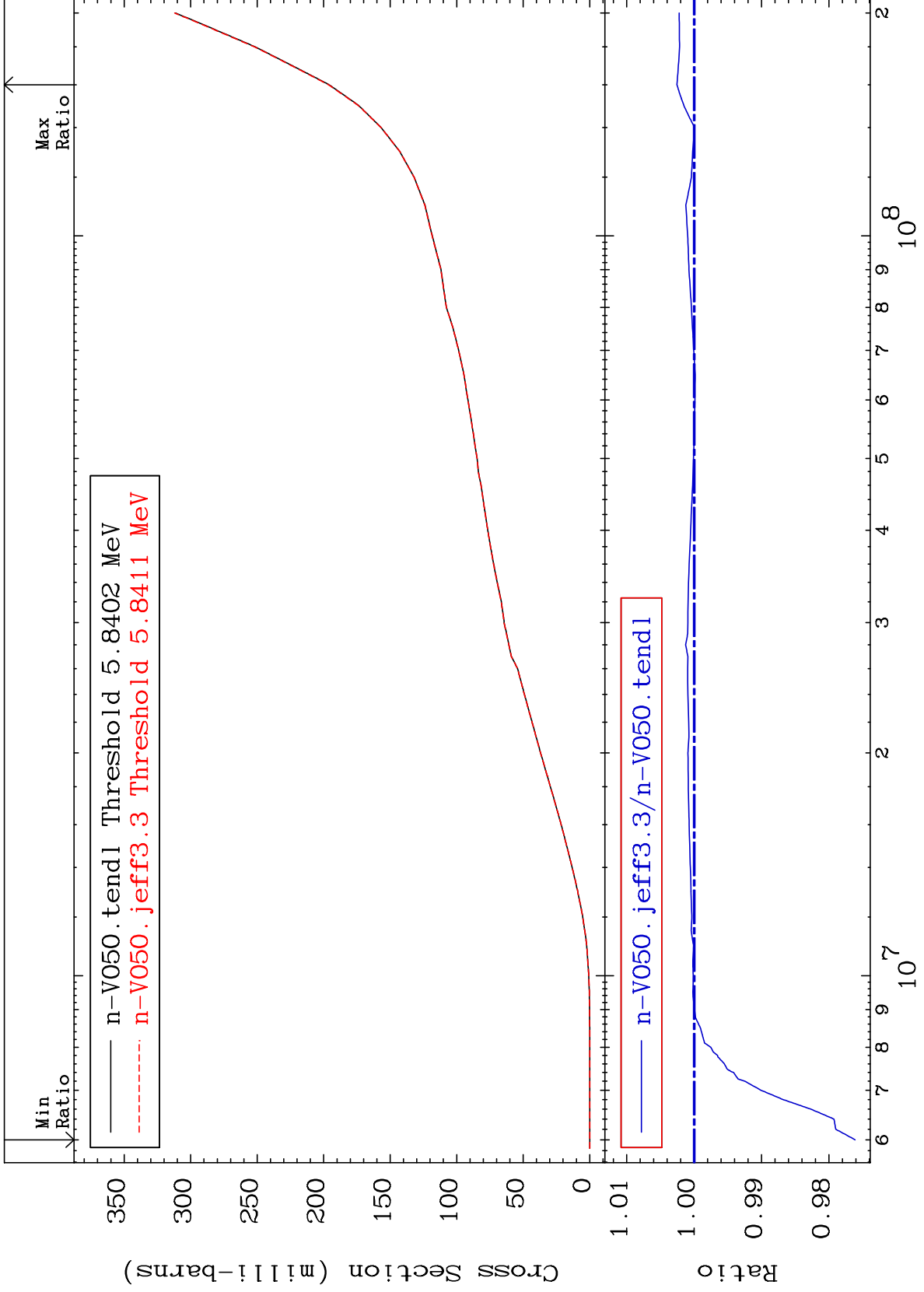








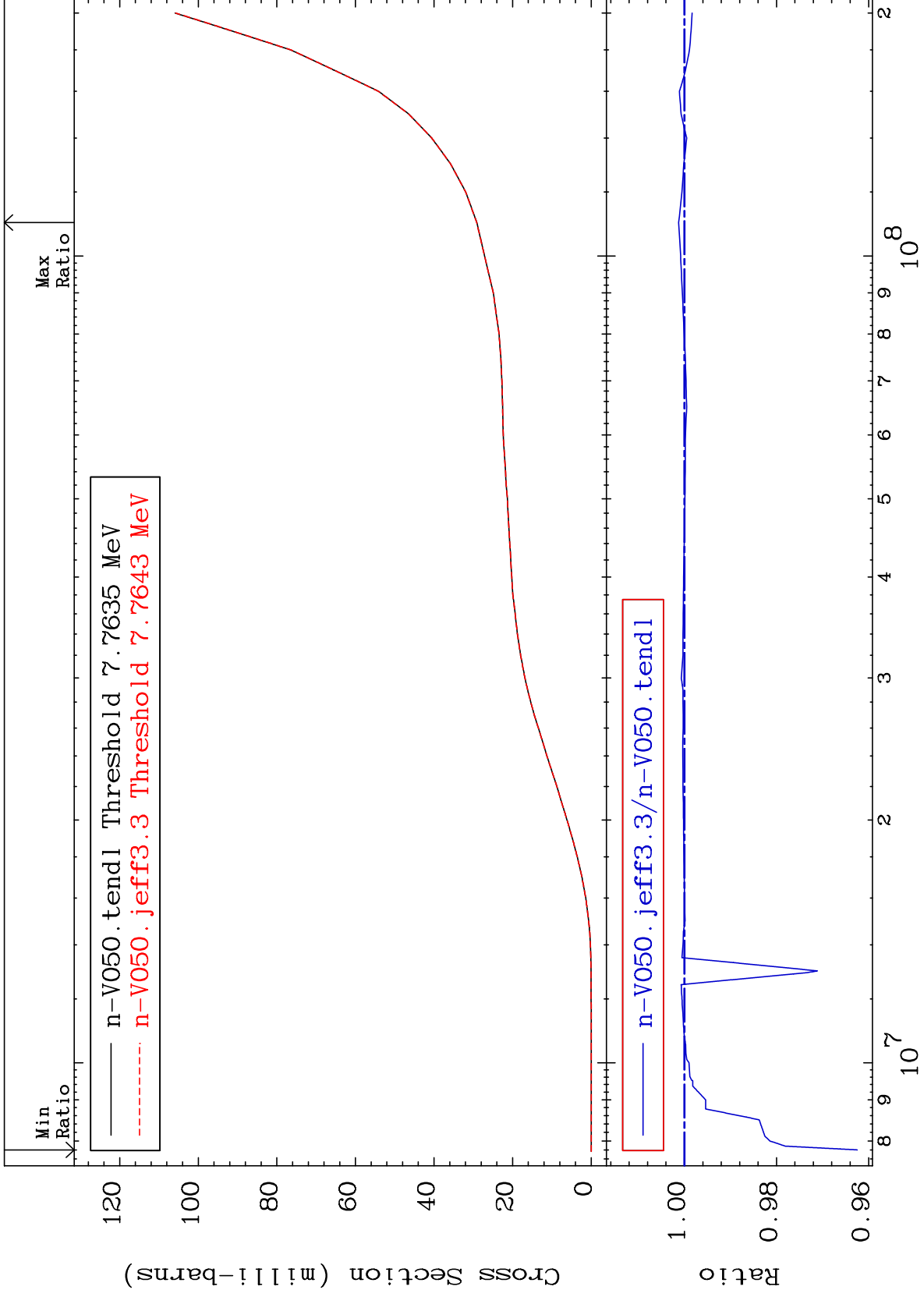


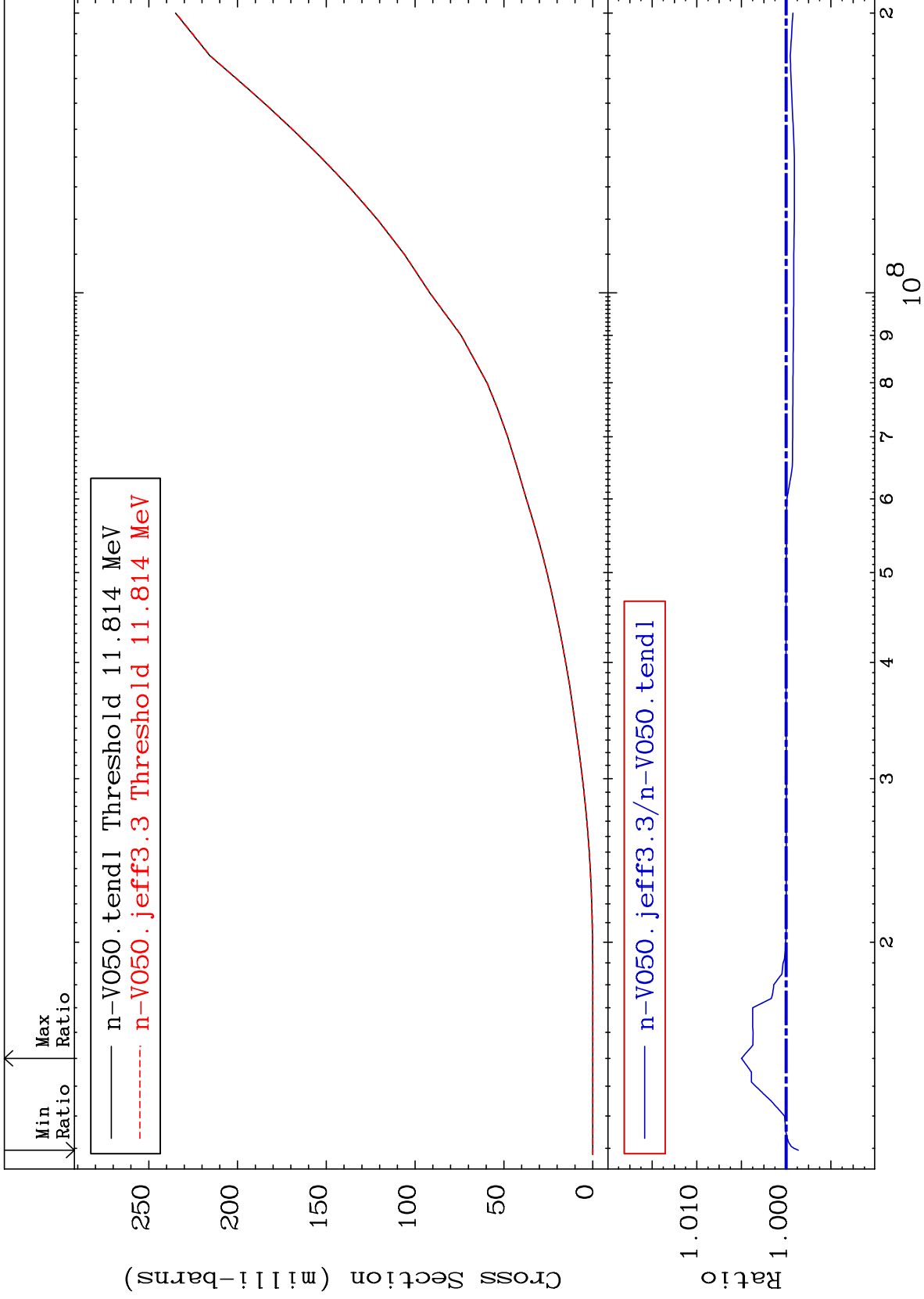


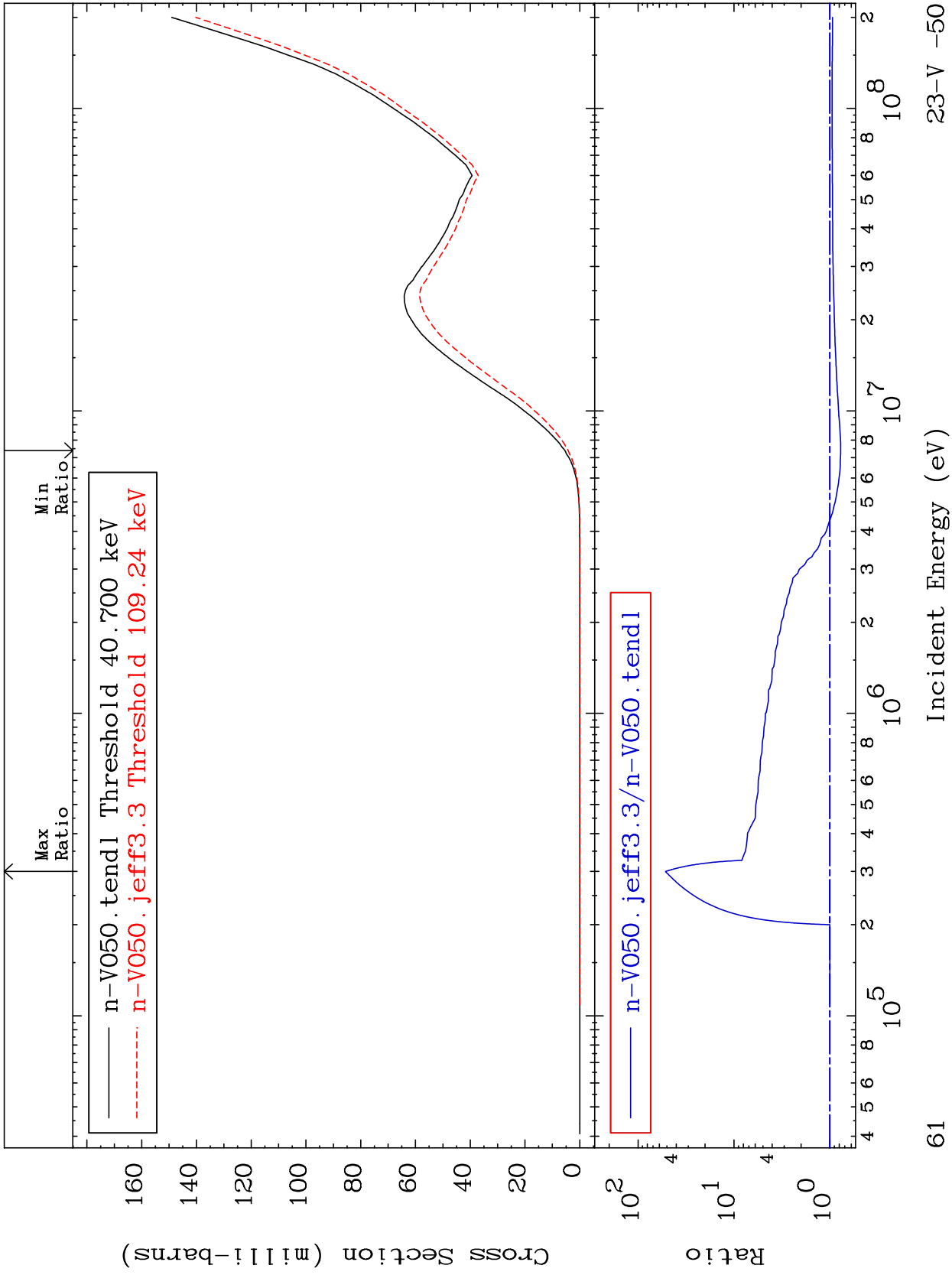
MAT 2325

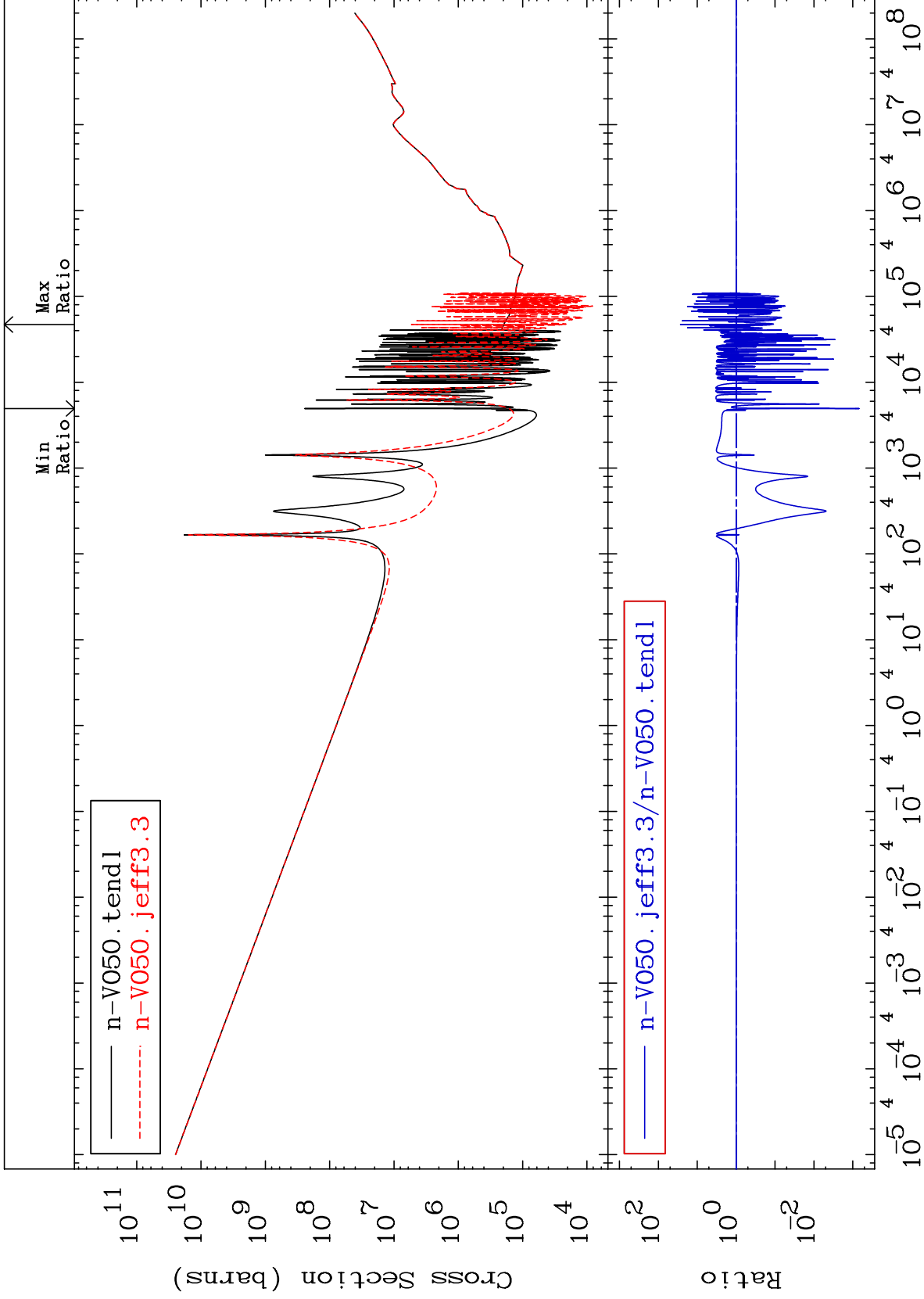
Tritium Production  
Cross Section

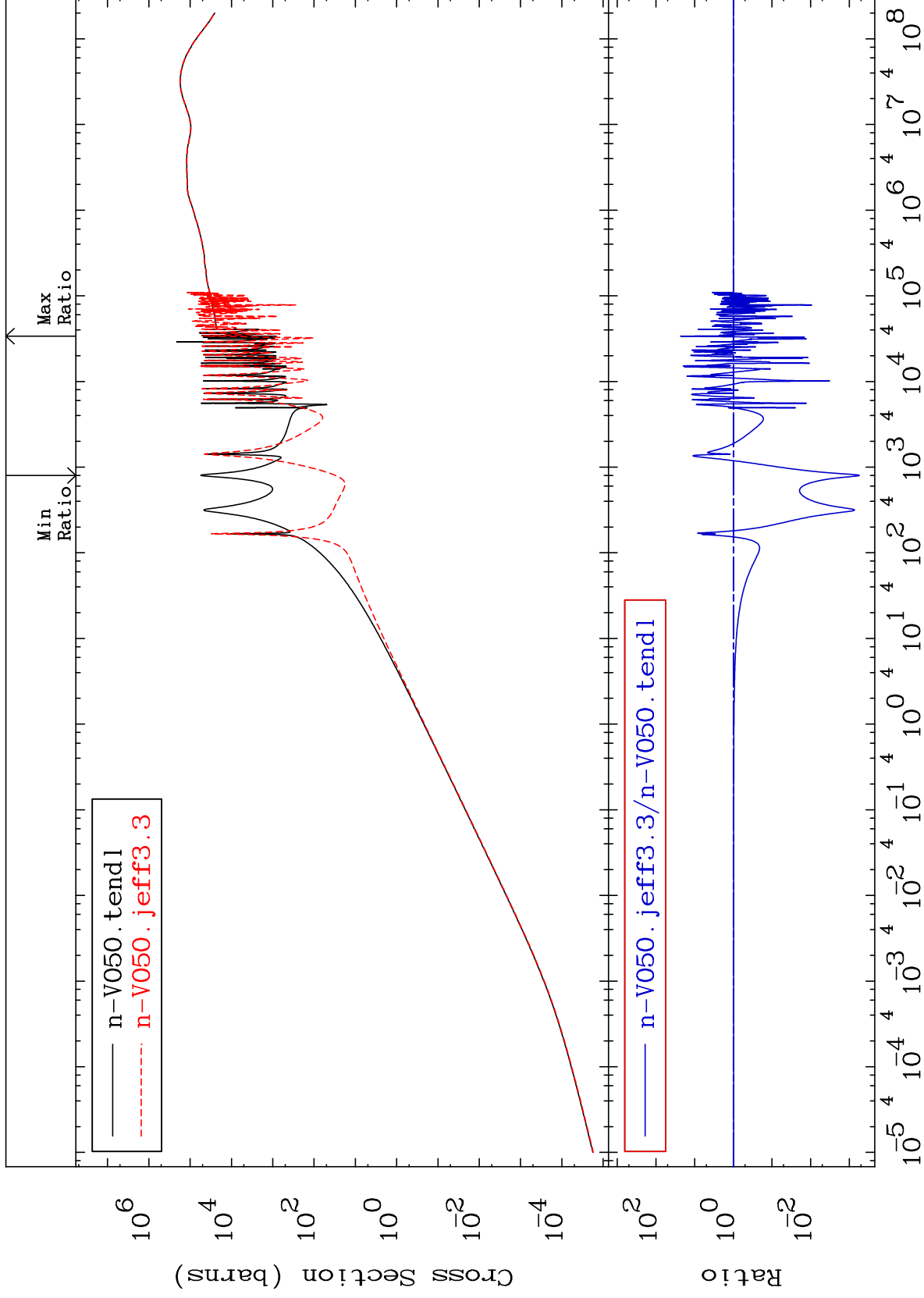
23-V -50  
-3.754 To 0.125 %

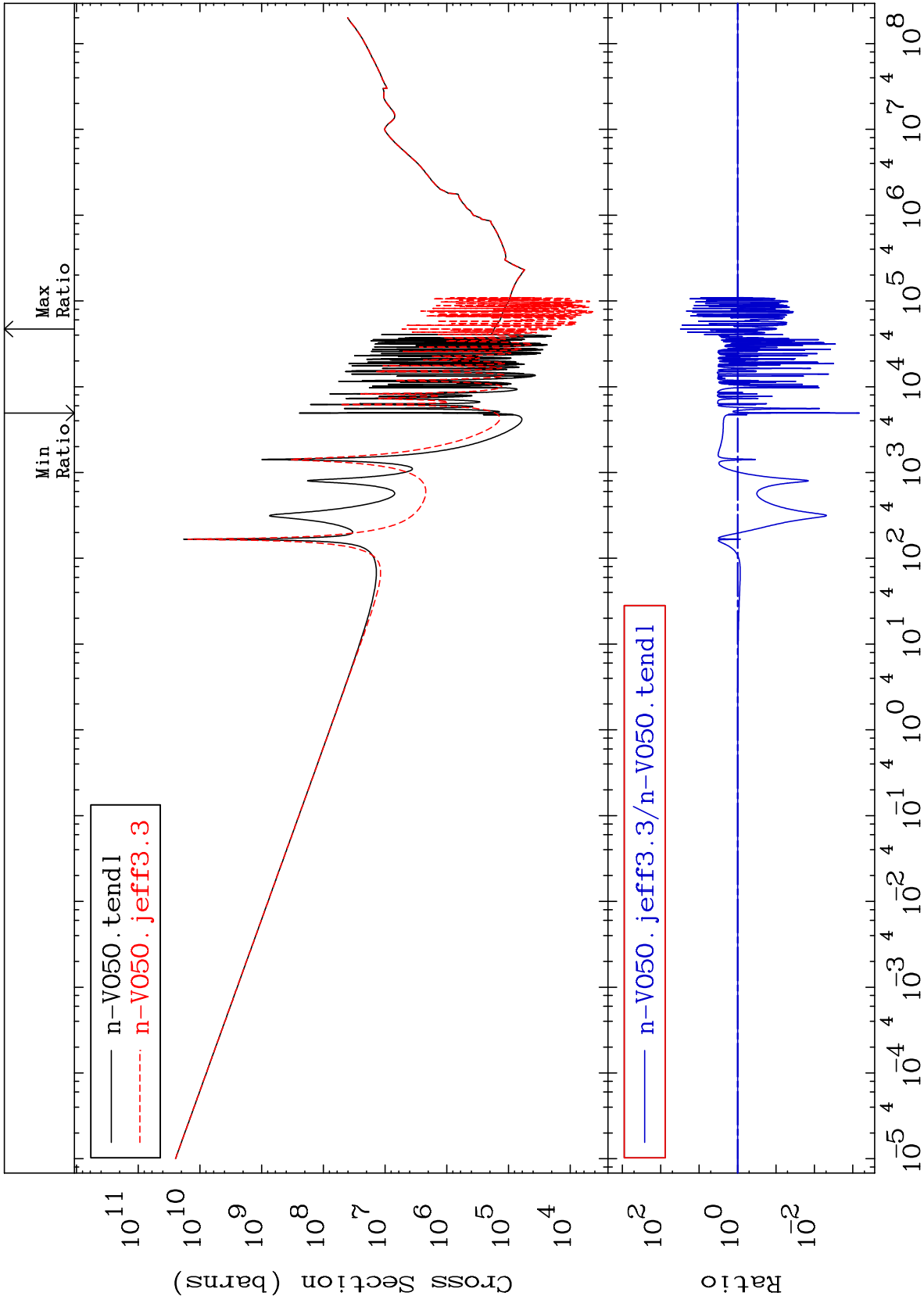




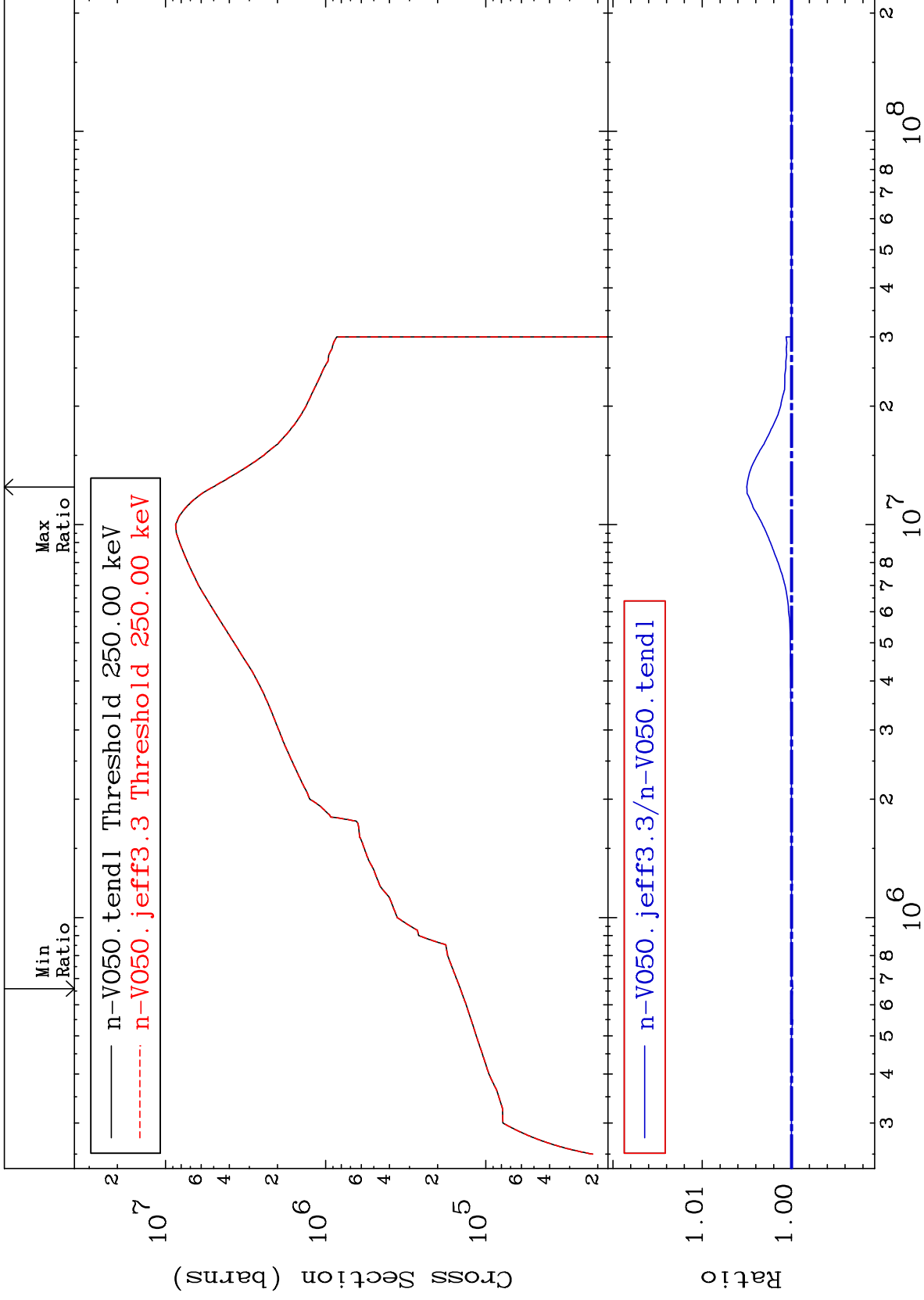






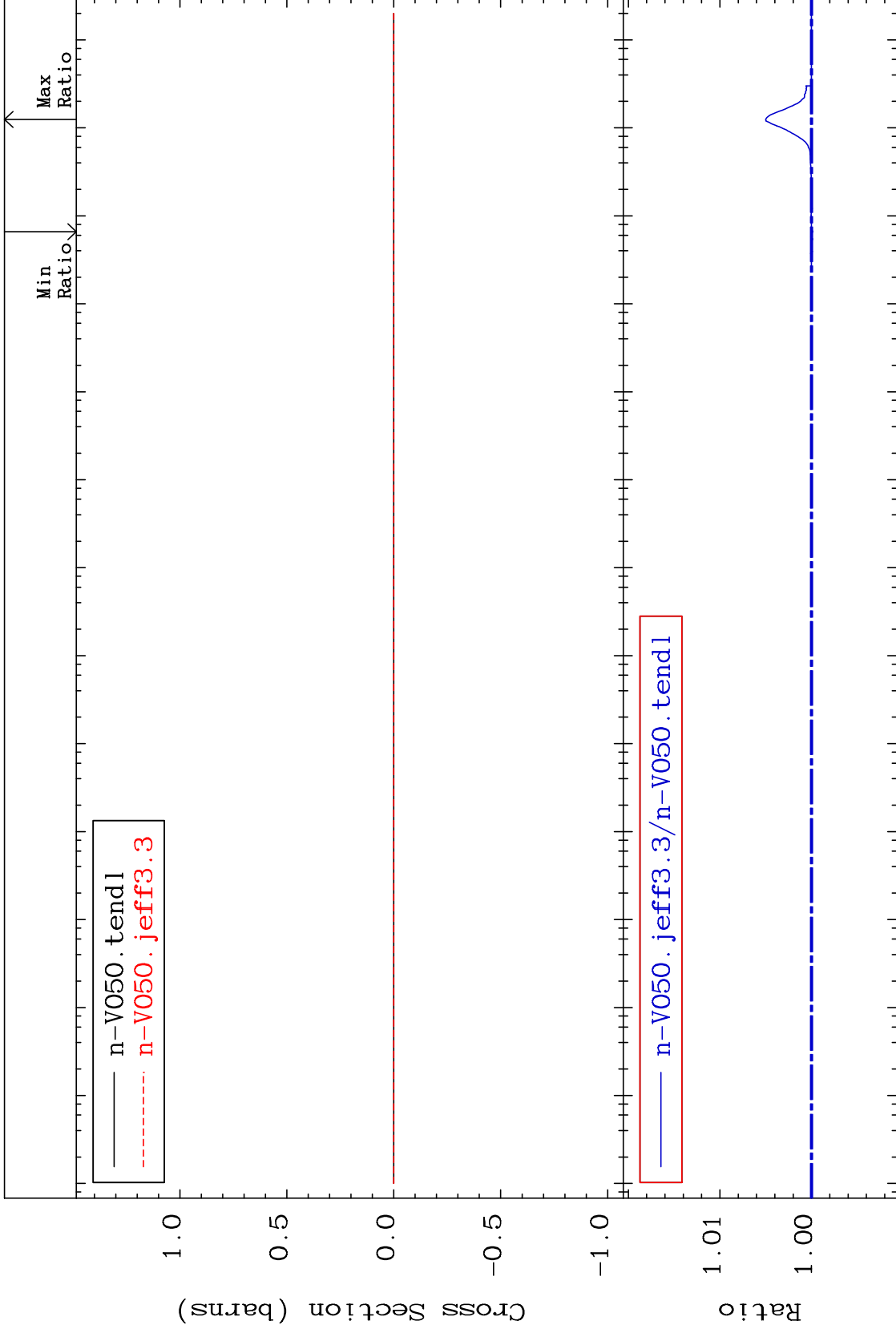


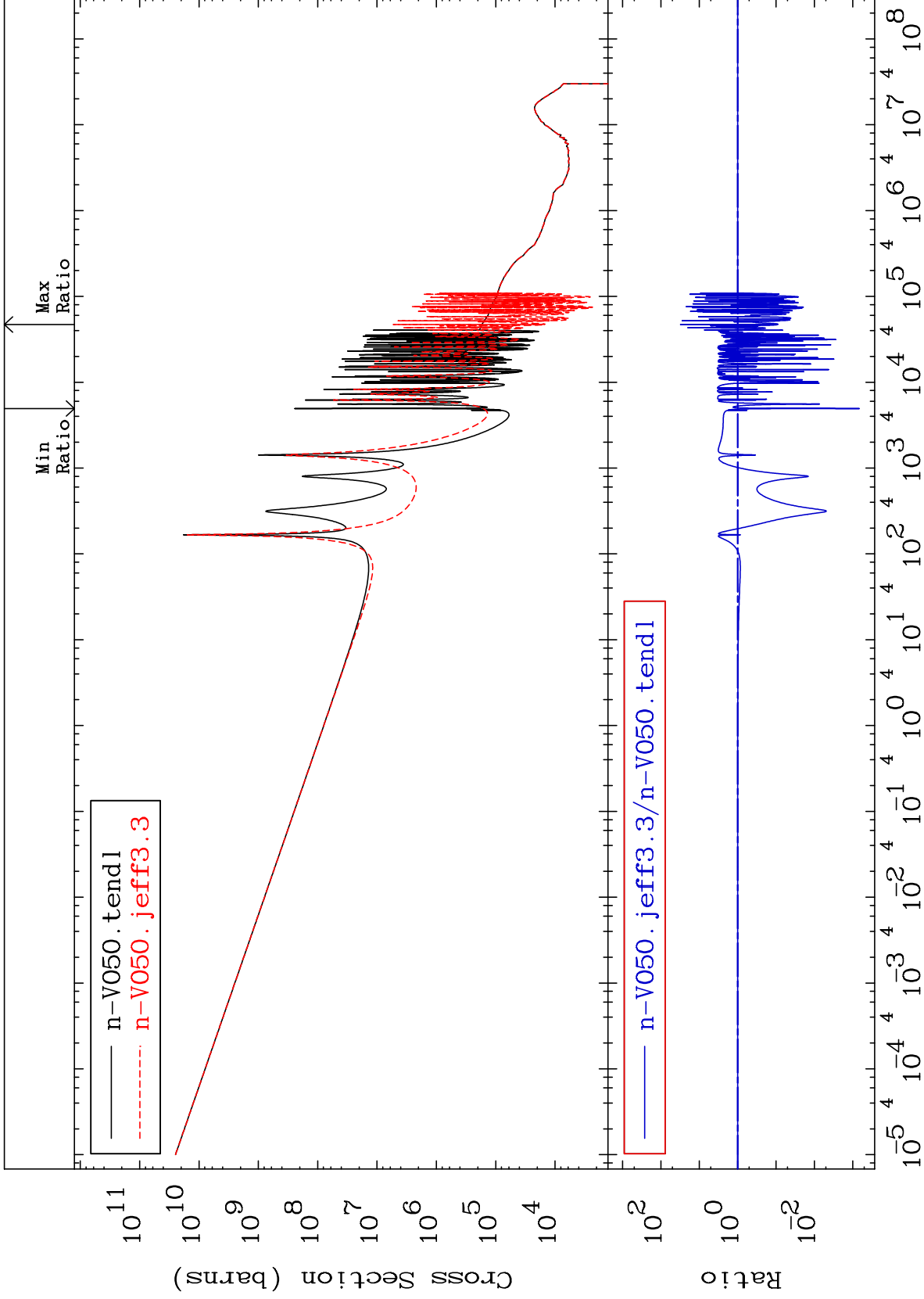


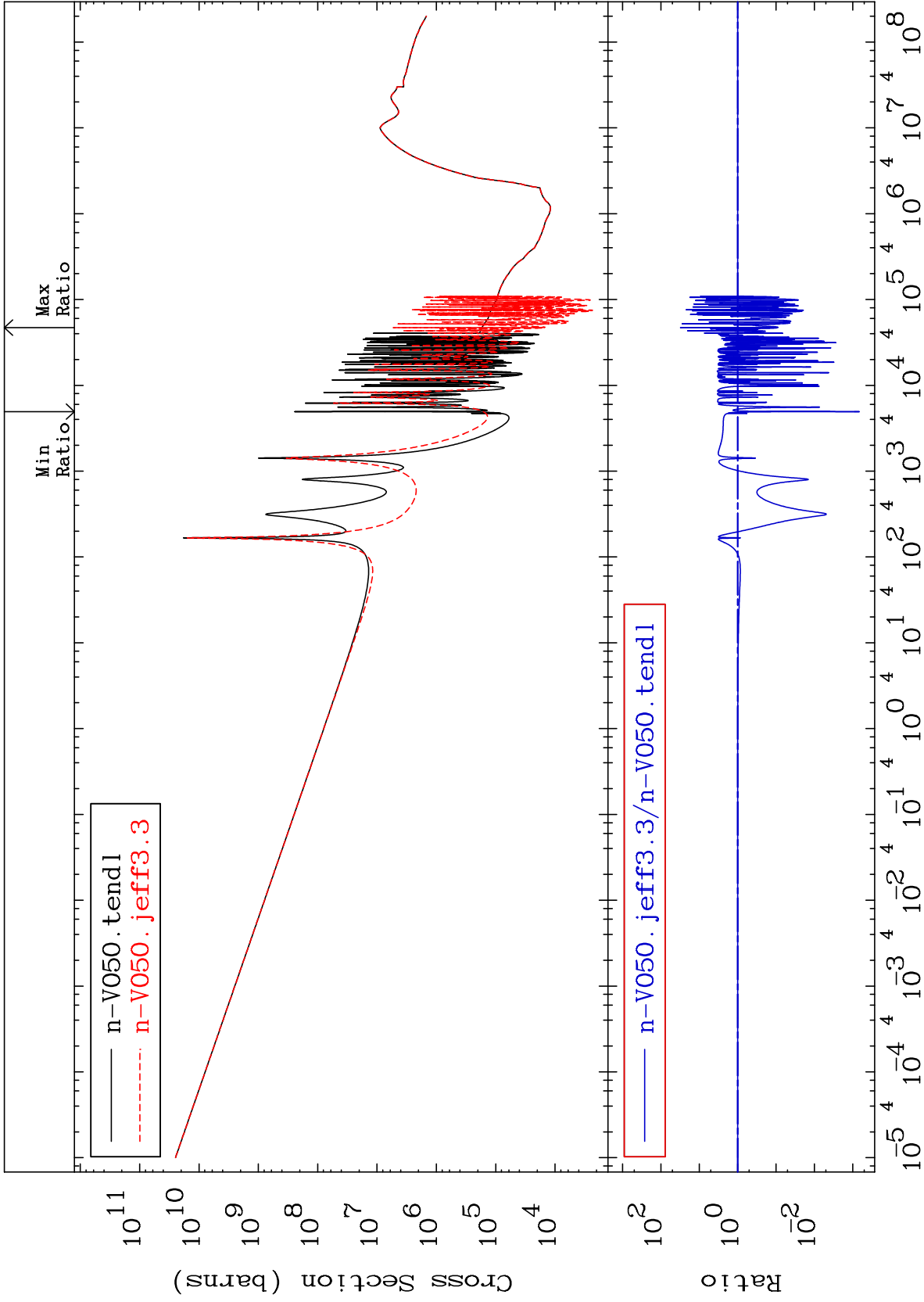


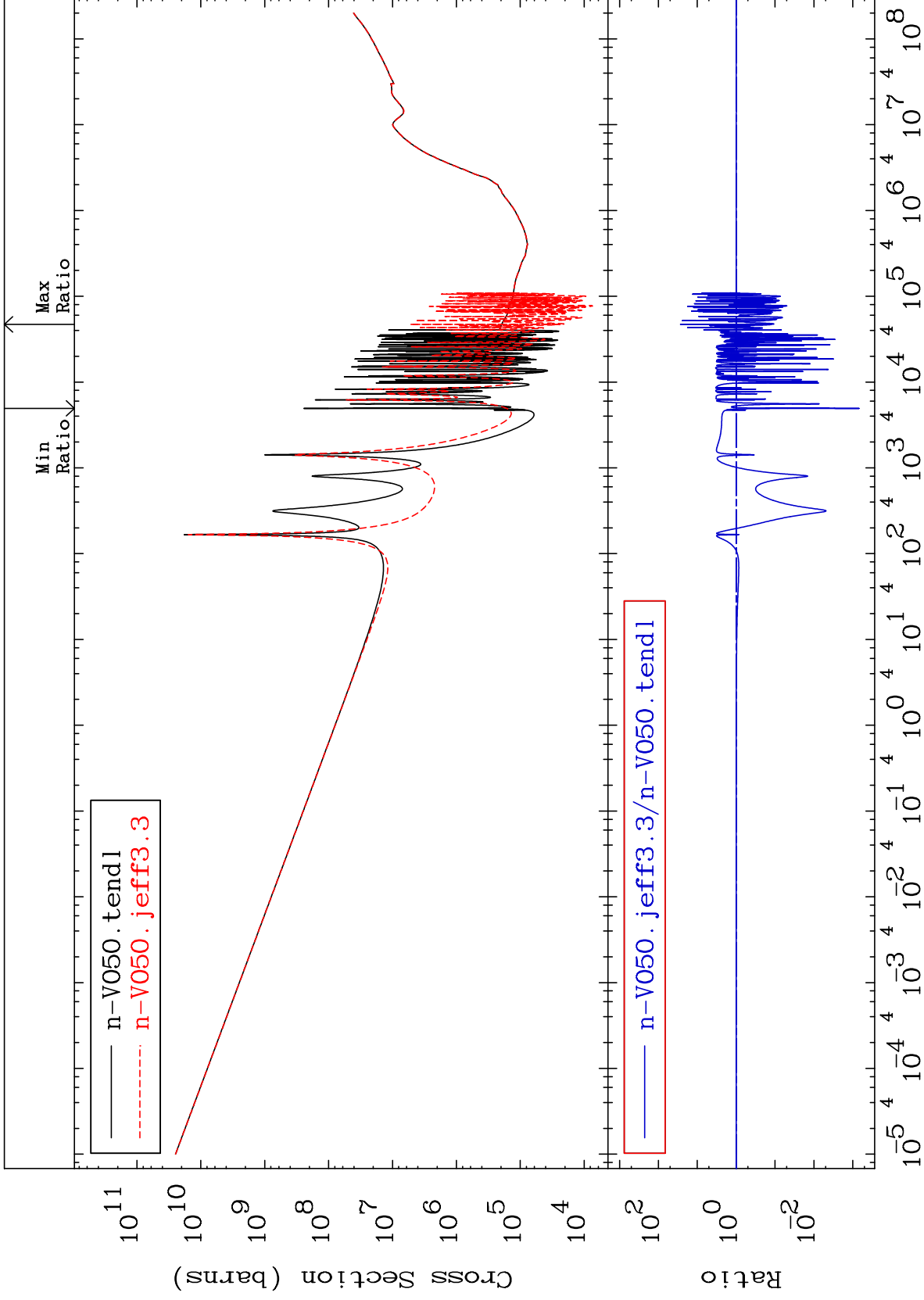
— n-V050.tendl Threshold 250.00 keV  
- - - n-V050.jeff3.3 Threshold 250.00 keV

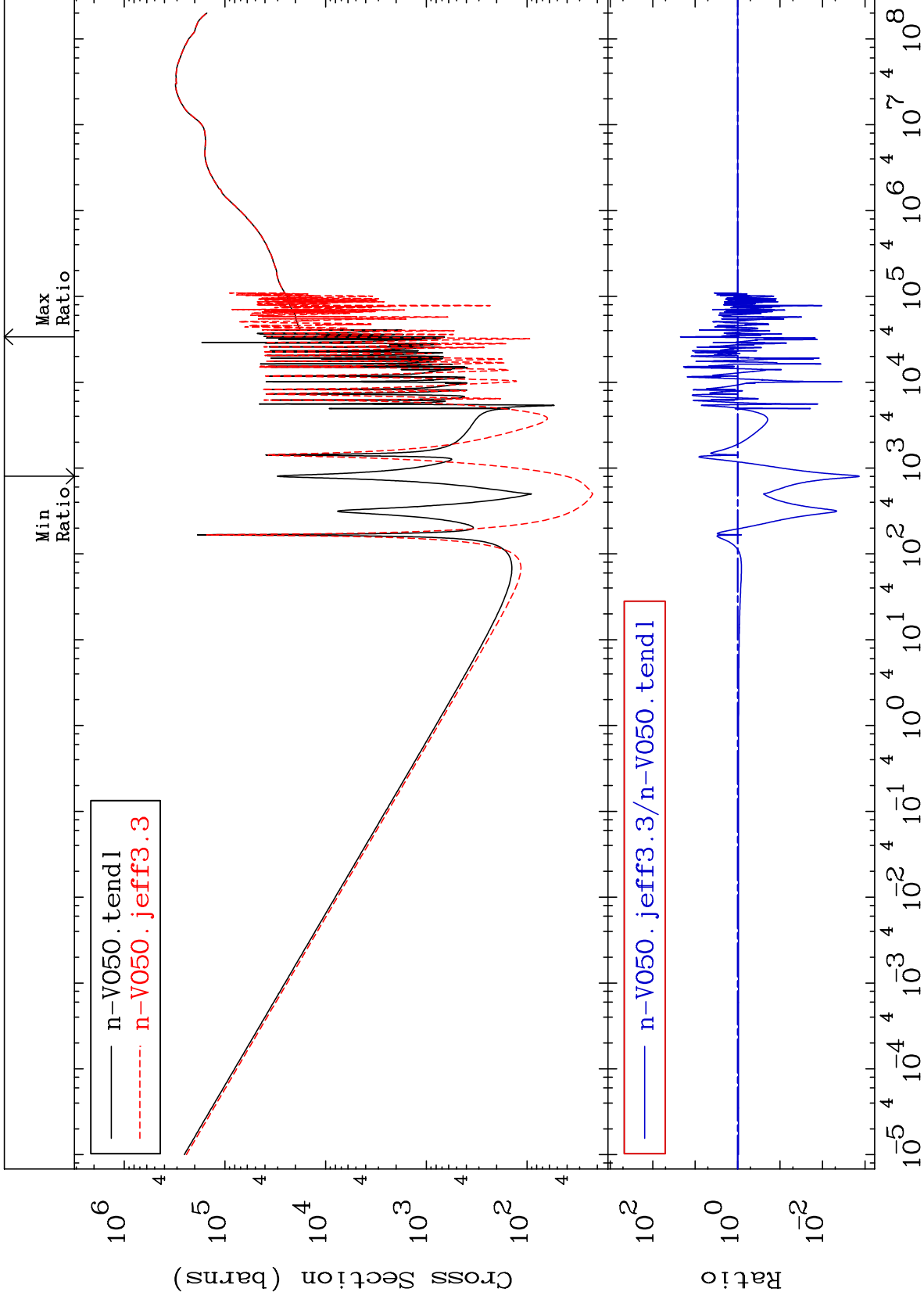
— n-V050.jeff3.3/n-V050.tendl

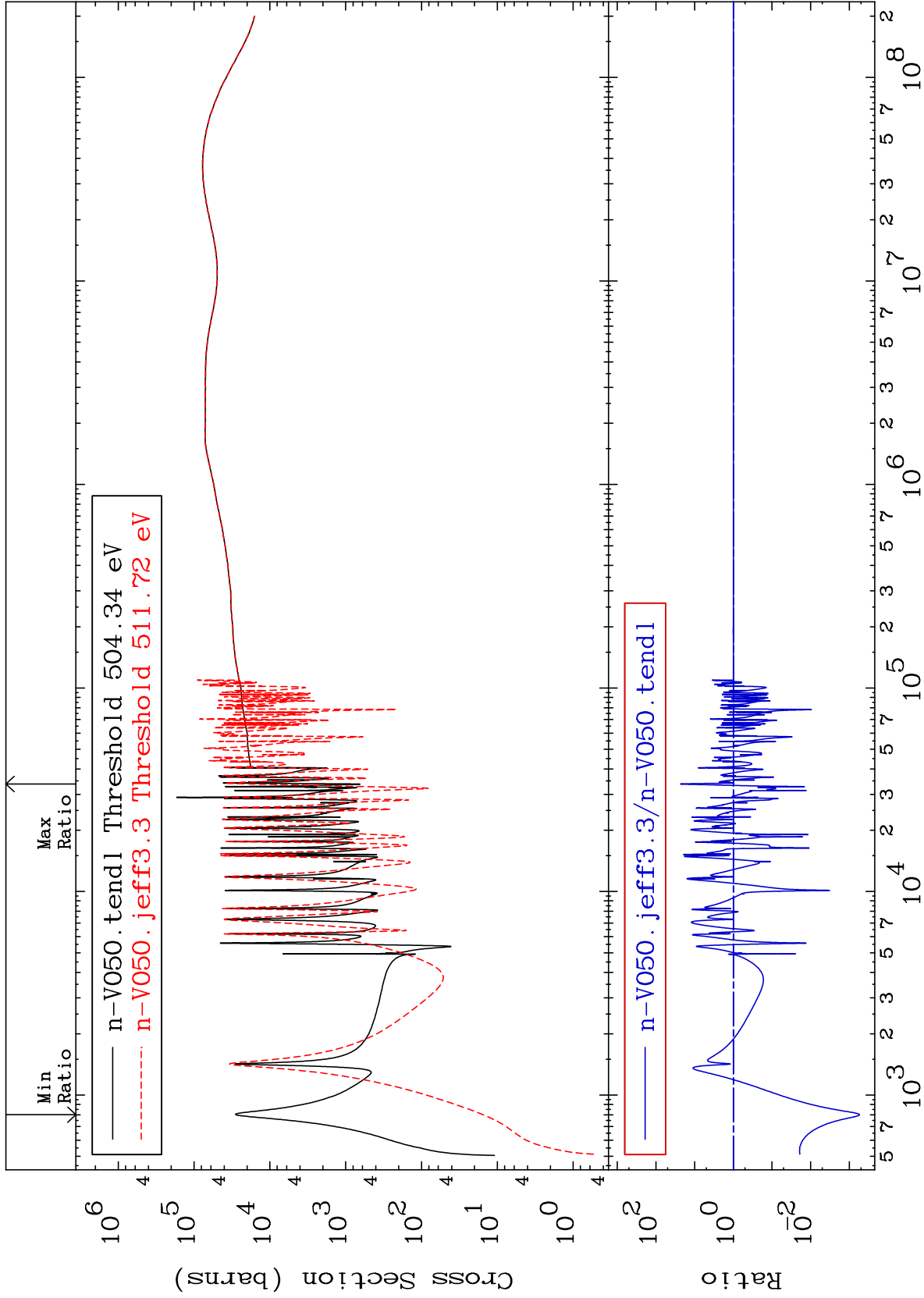


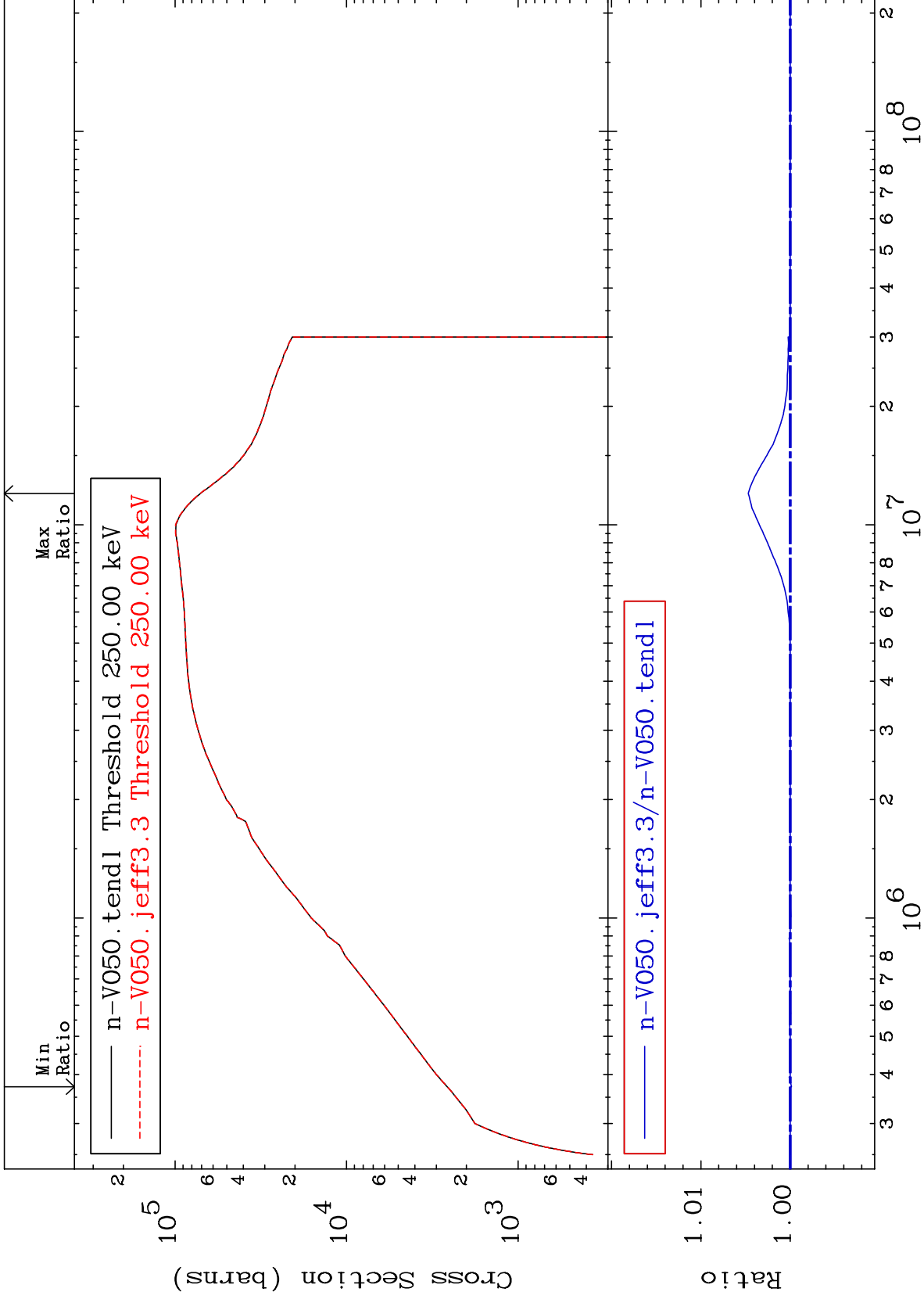




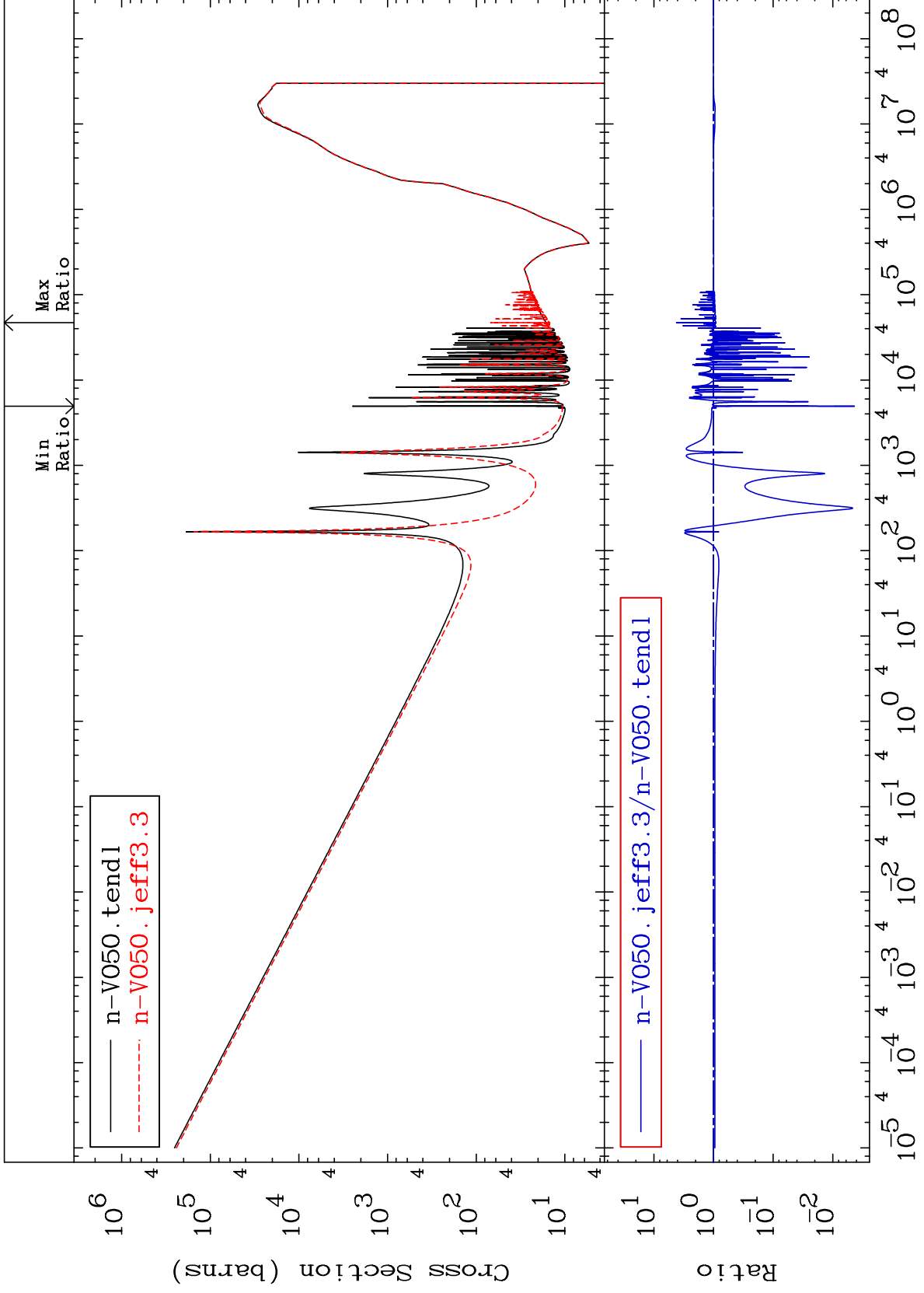










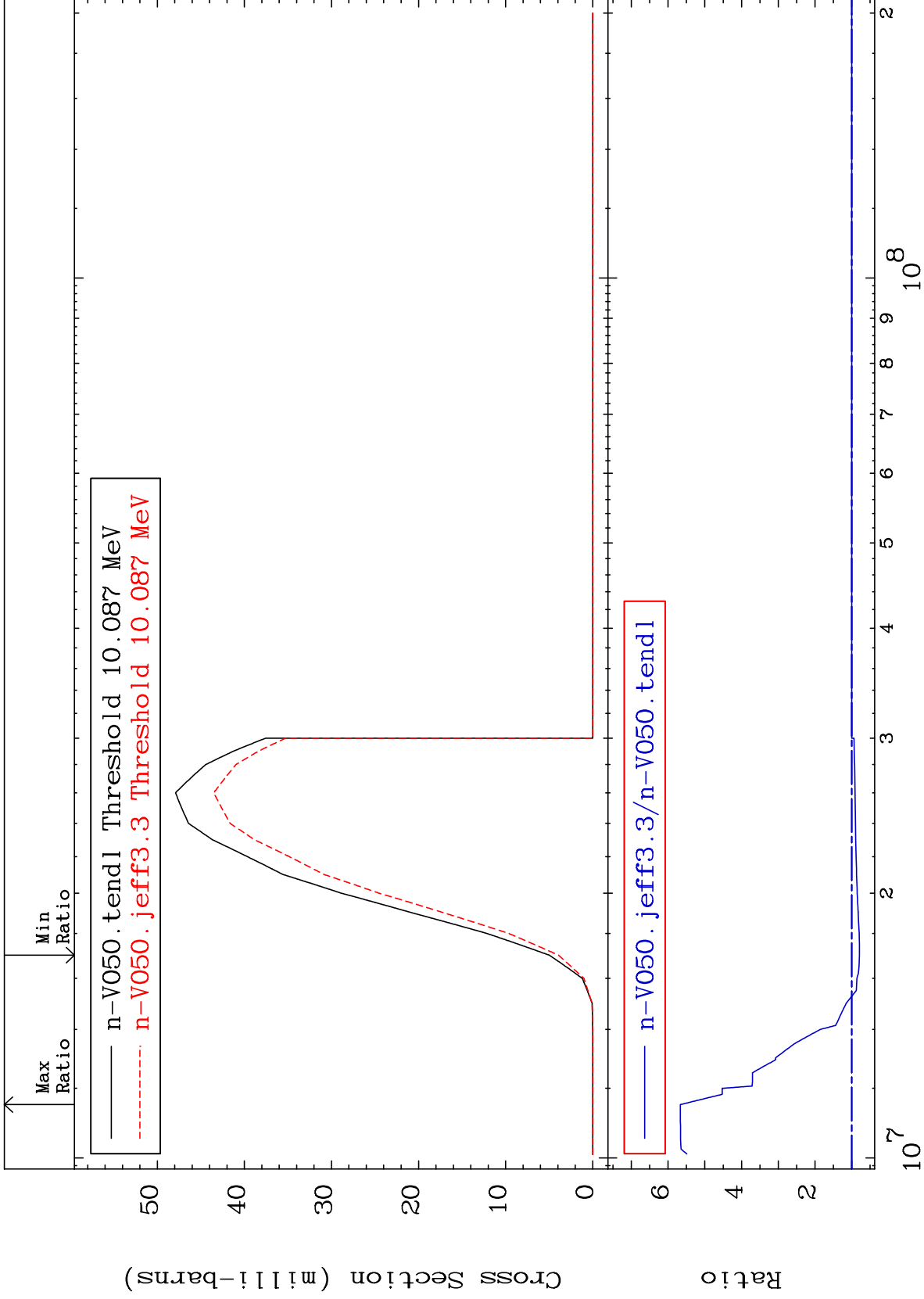


MAT 2325

(n, n')  $\alpha$ :21-Sc-46g

23-V -50

Radionuclide Production Cross Section -21.00 To 466.5 %



74

Incident Energy (eV)

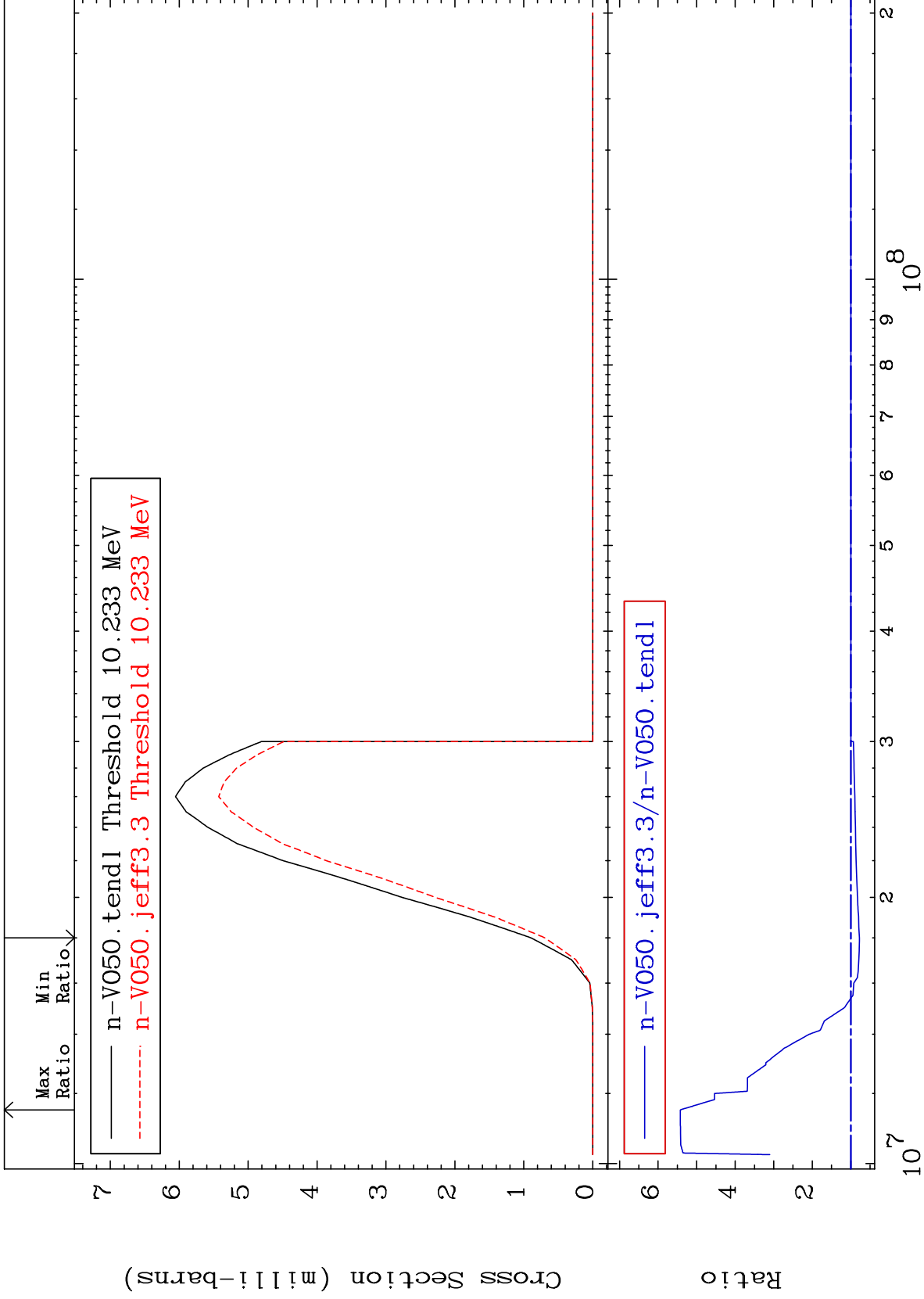
23-V -50

MAT 2325

(n, n')  $\alpha$ :21-Sc-46m2

23-V -50

Radionuclide Production Cross Section -22.41 To 442.2 %



75

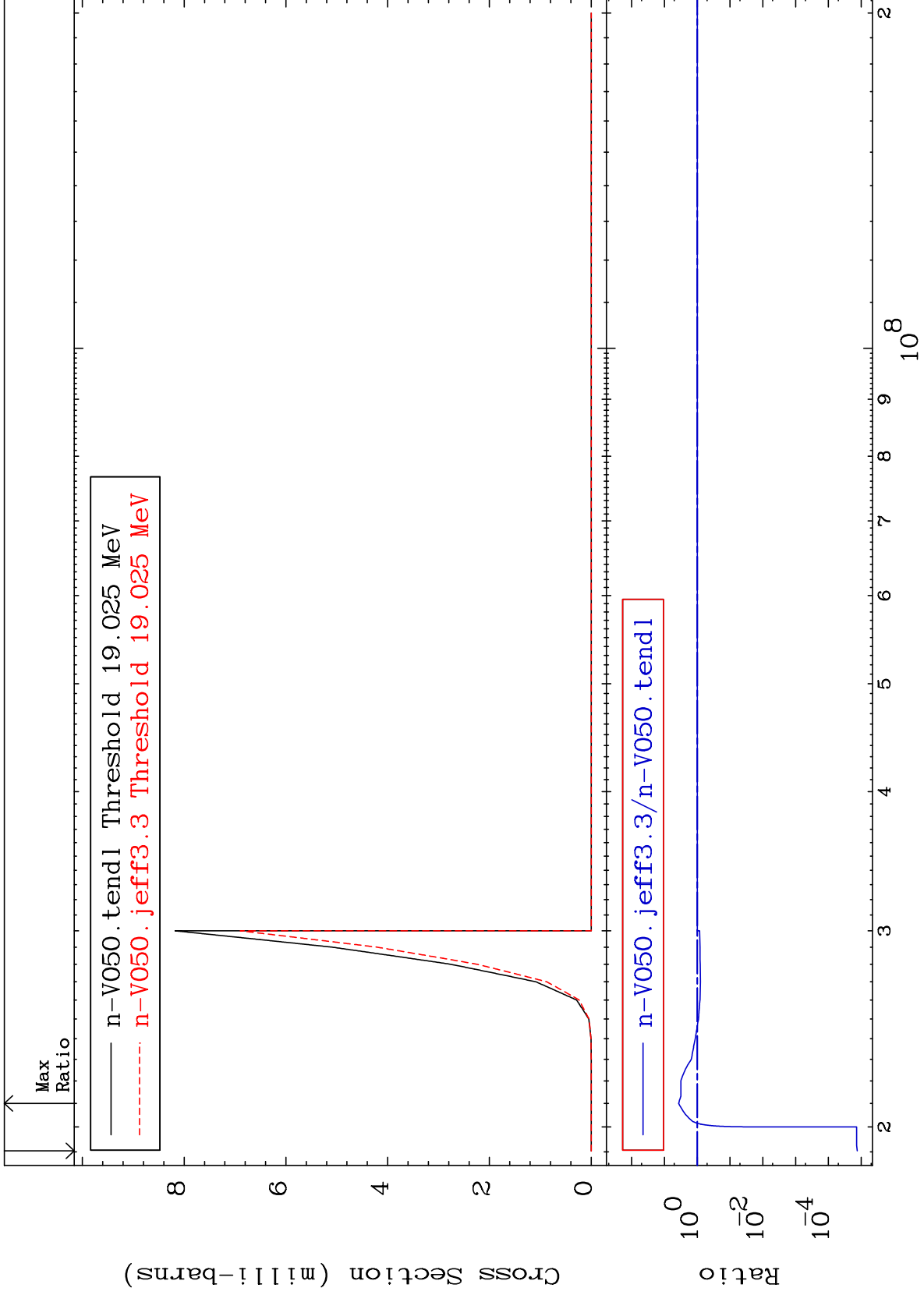
23-V -50

MAT 2325

(n,2n)  $\alpha$ :21-Sc-45g

23-V -50

Radionuclide Production Cross Section -100.0 To 268.3 %

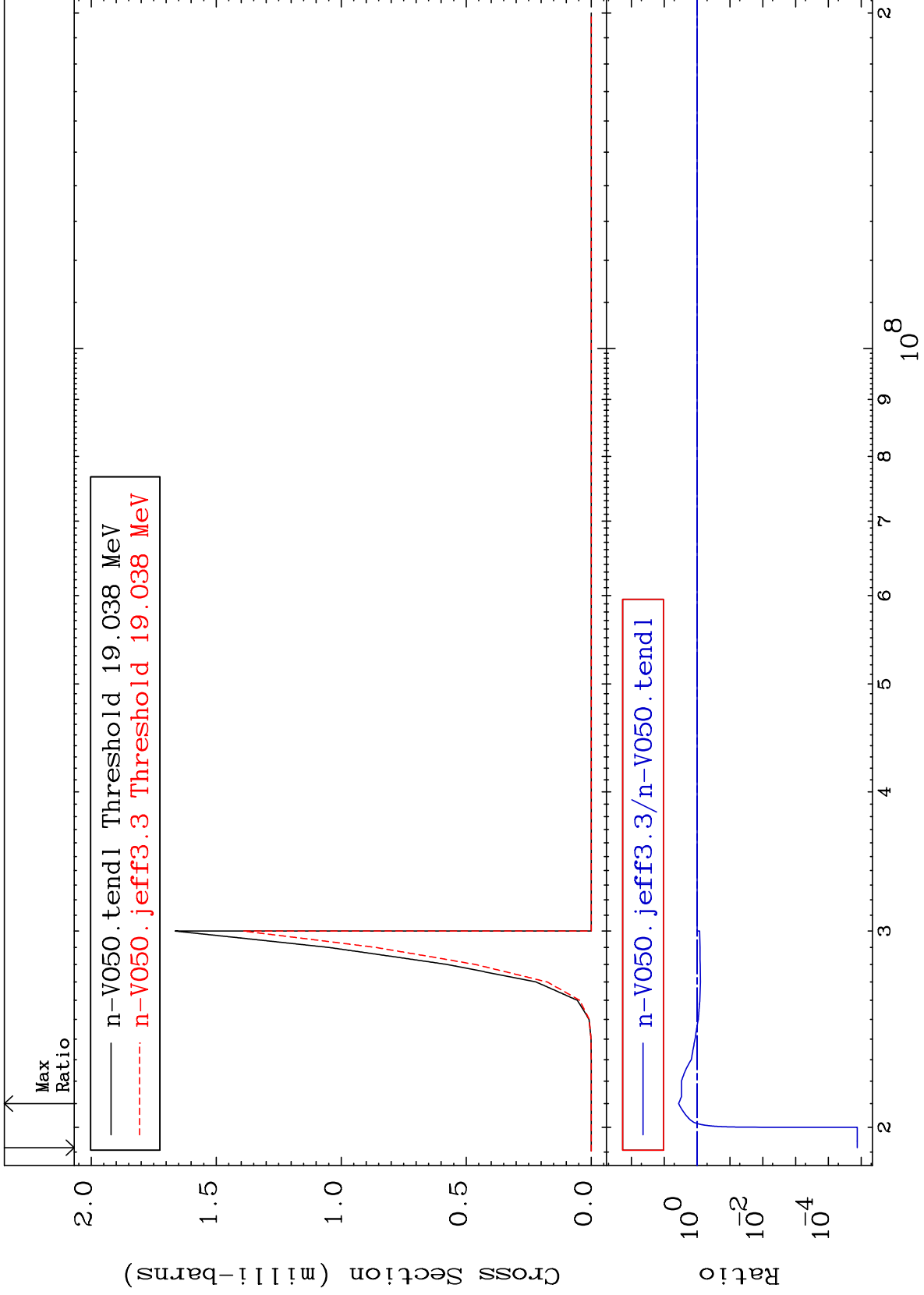


76

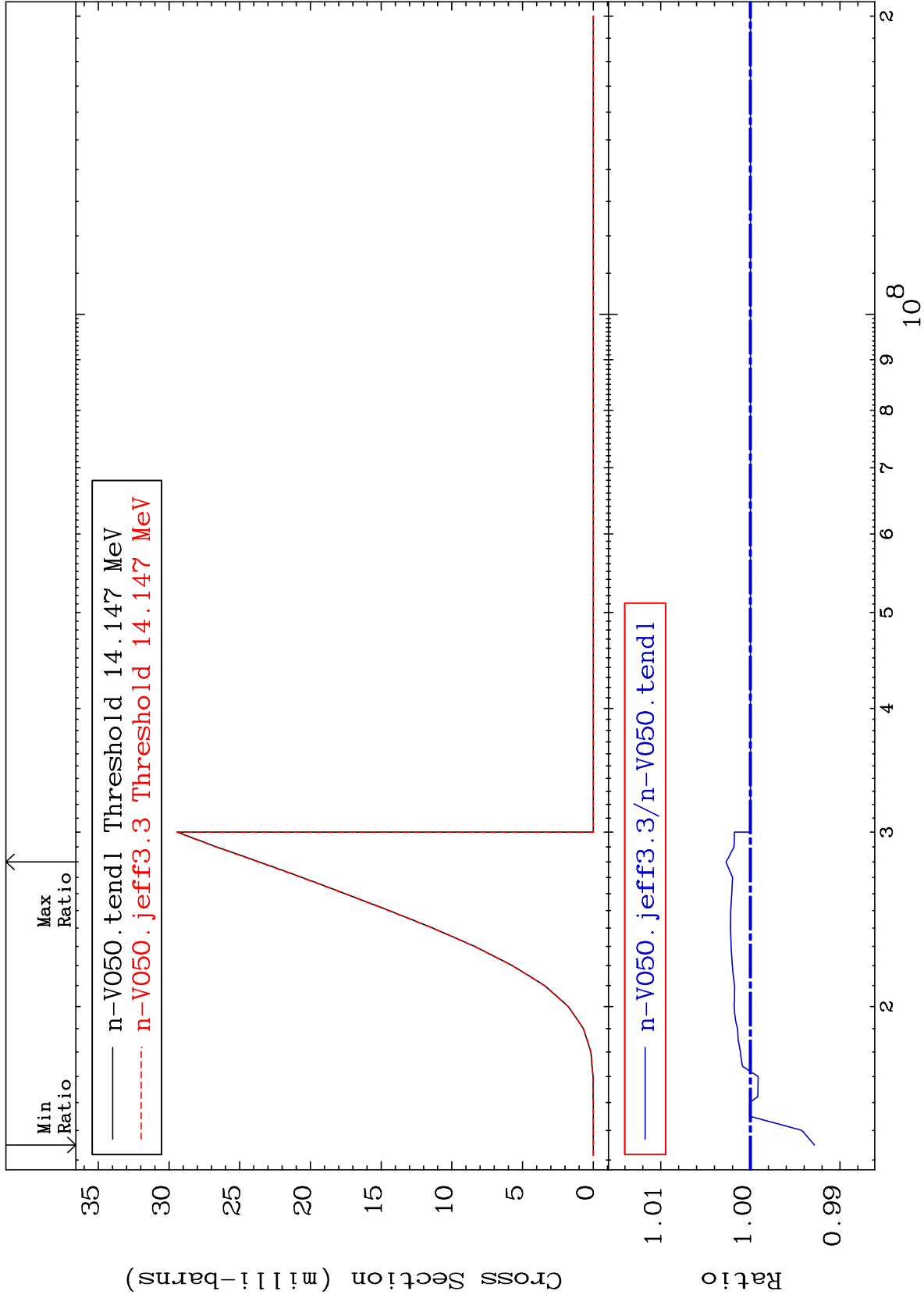
Incident Energy (eV)

23-V -50

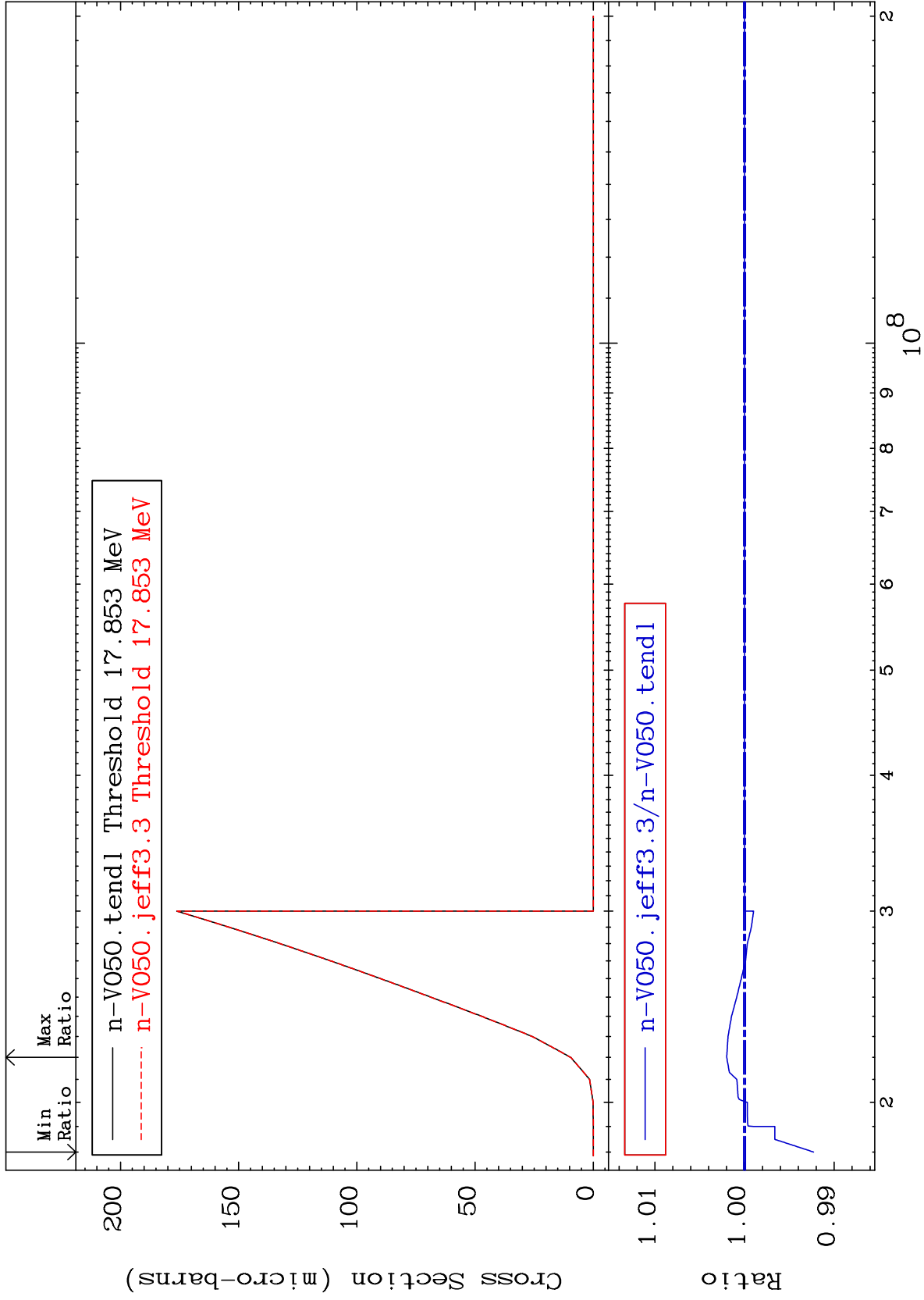
Radionuclide Production Cross Section -100.0 To 265.2 %



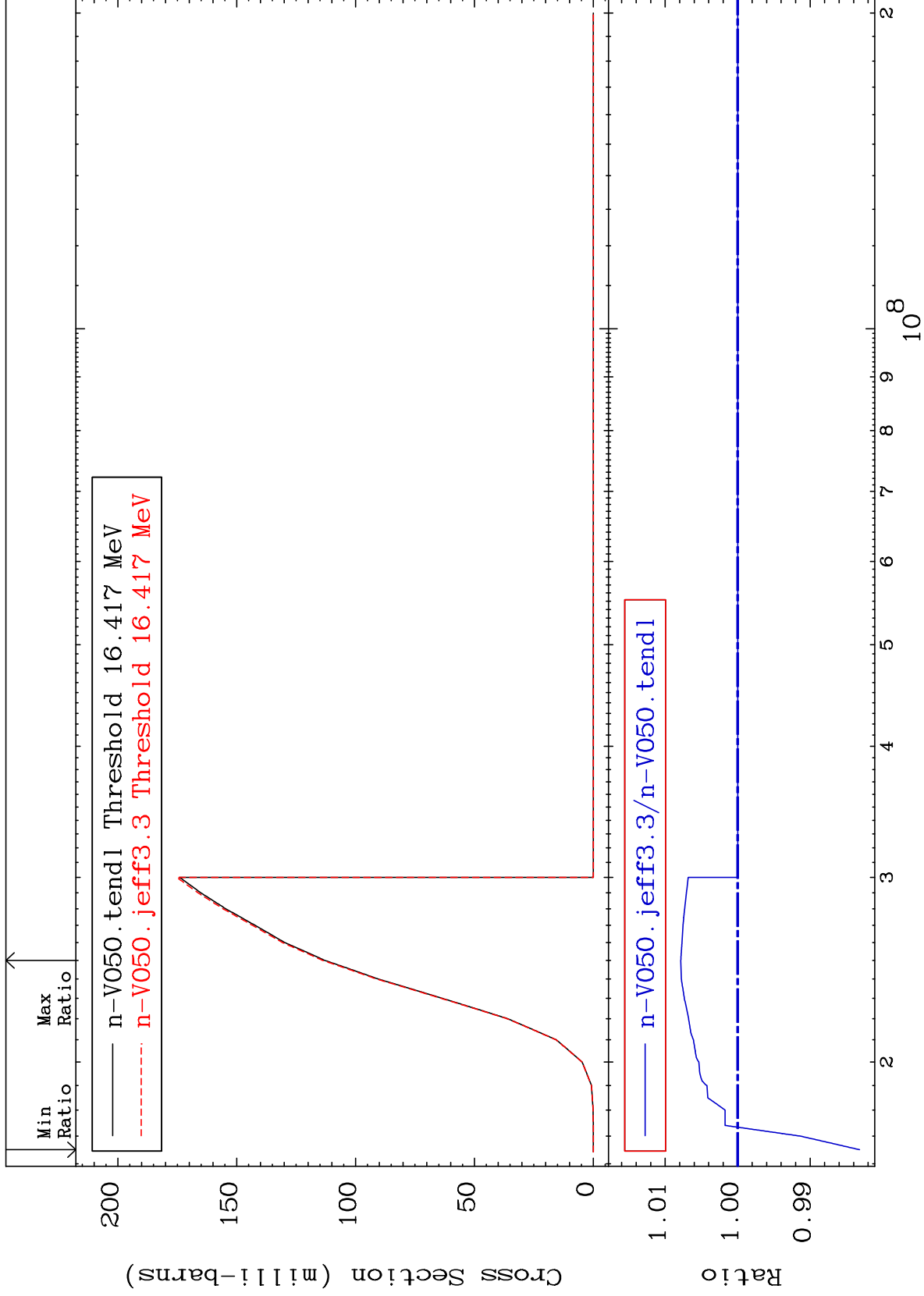
(n, n') d:22-Ti-48g  
Radionuclide Production Cross Section -0.714 To 0.272 %



Radionuclide Production Cross Section -0.771 To 0.199 %

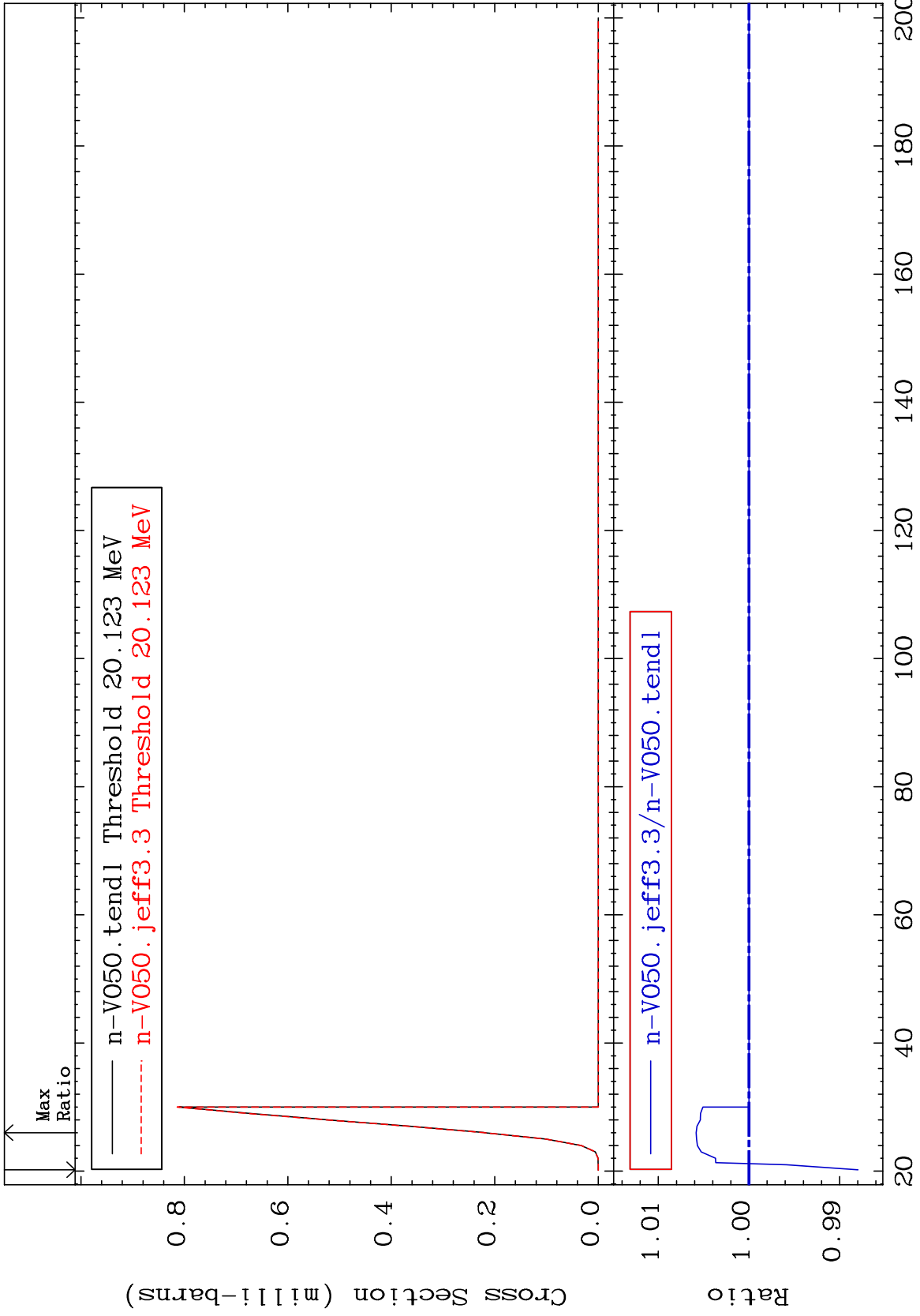


Radionuclide Production Cross Section -1.681 To 0.785 %

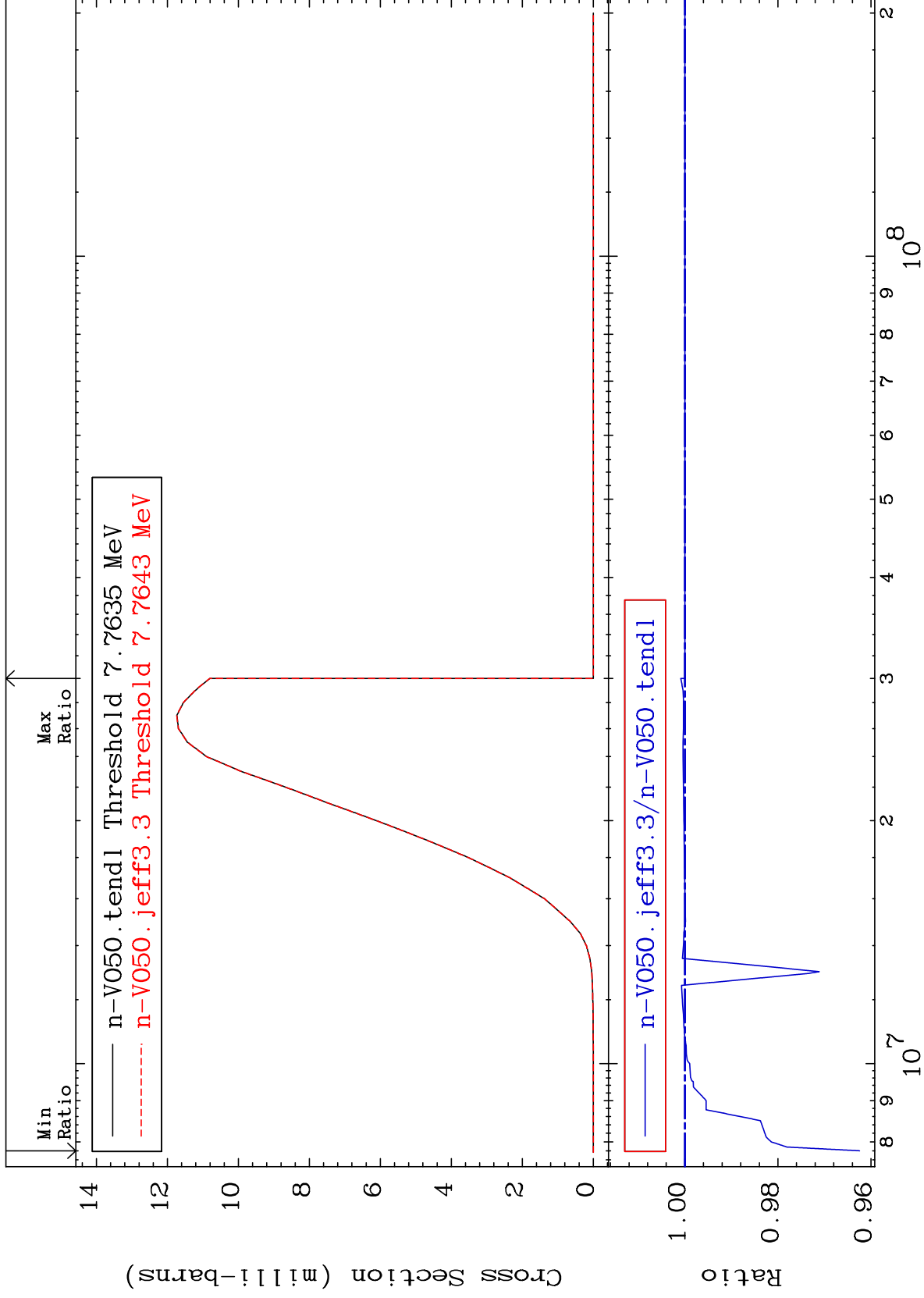




Radionuclide Production Cross Section -1.202 To 0.582 %



Radionuclide Production Cross Section -3.754 To 0.088 %



Radionuclide Production Cross Section -4.003 To 0.079 %

