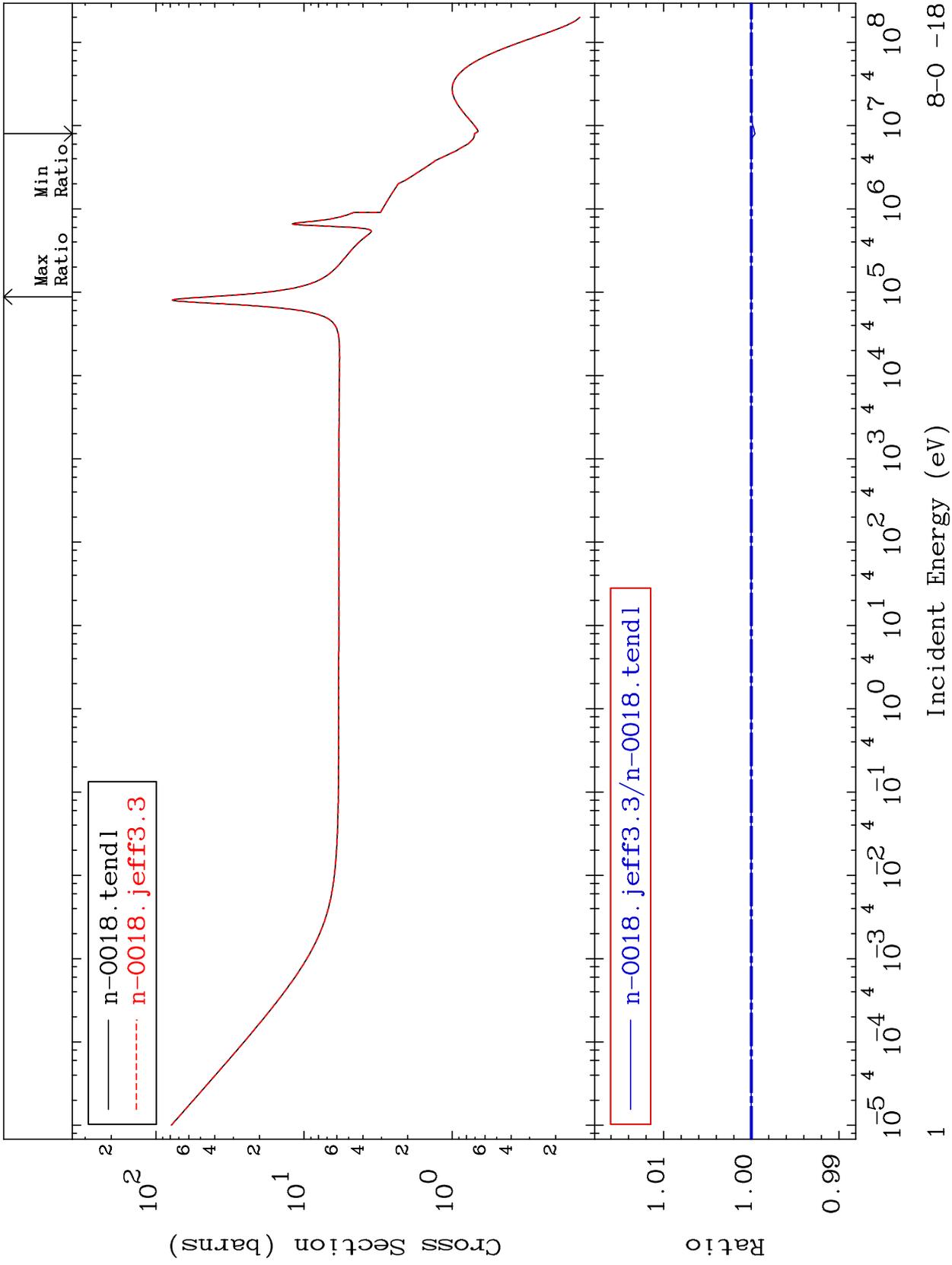


MAT 831

Elastic  
Cross Section

8-0 -18  
-0.043 To 0.000 %



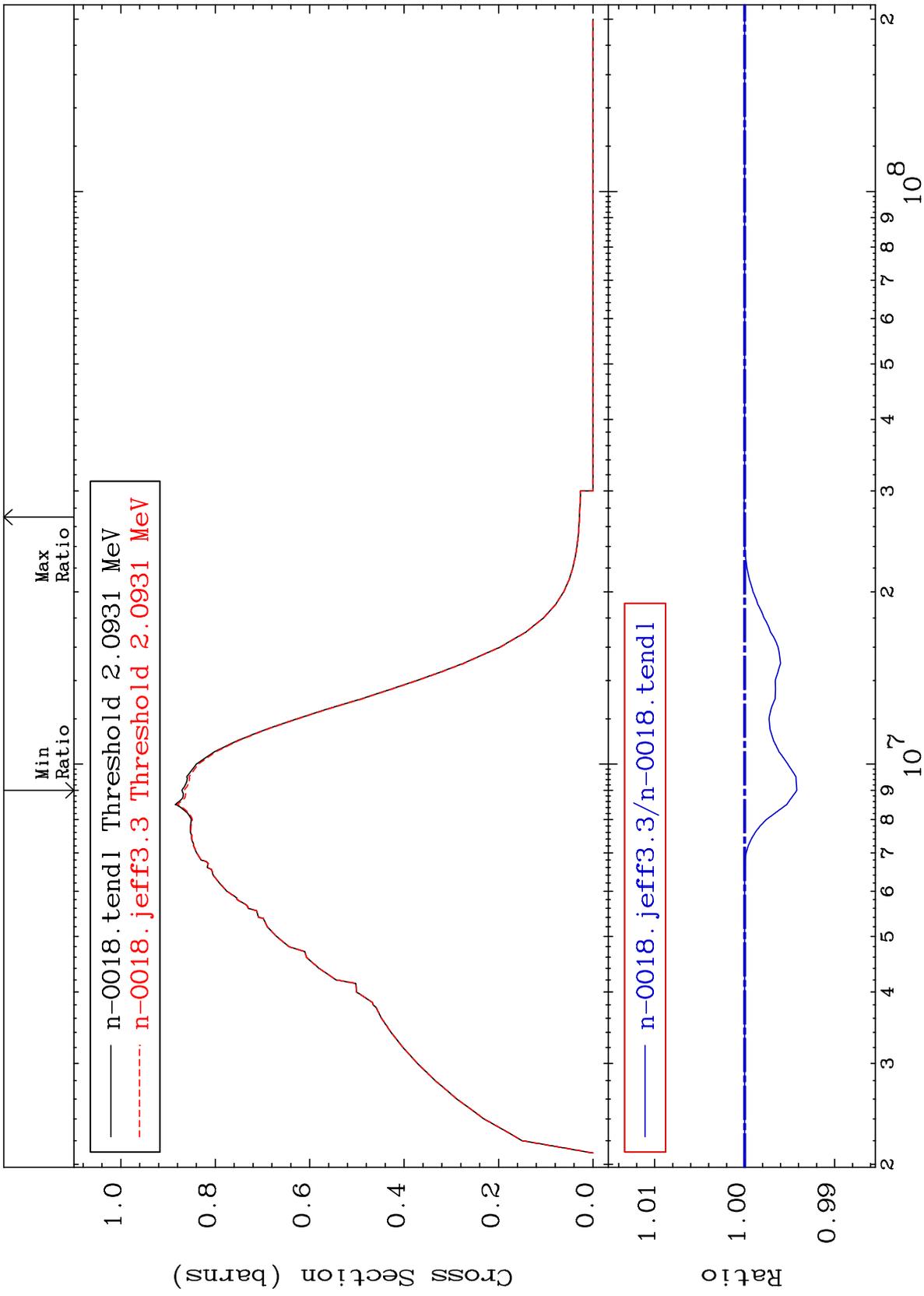
Incident Energy (eV)

8-0 -18

MAT 831

Inelastic  
Cross Section

8-0 -18  
-0.581 To 0.007 %



2

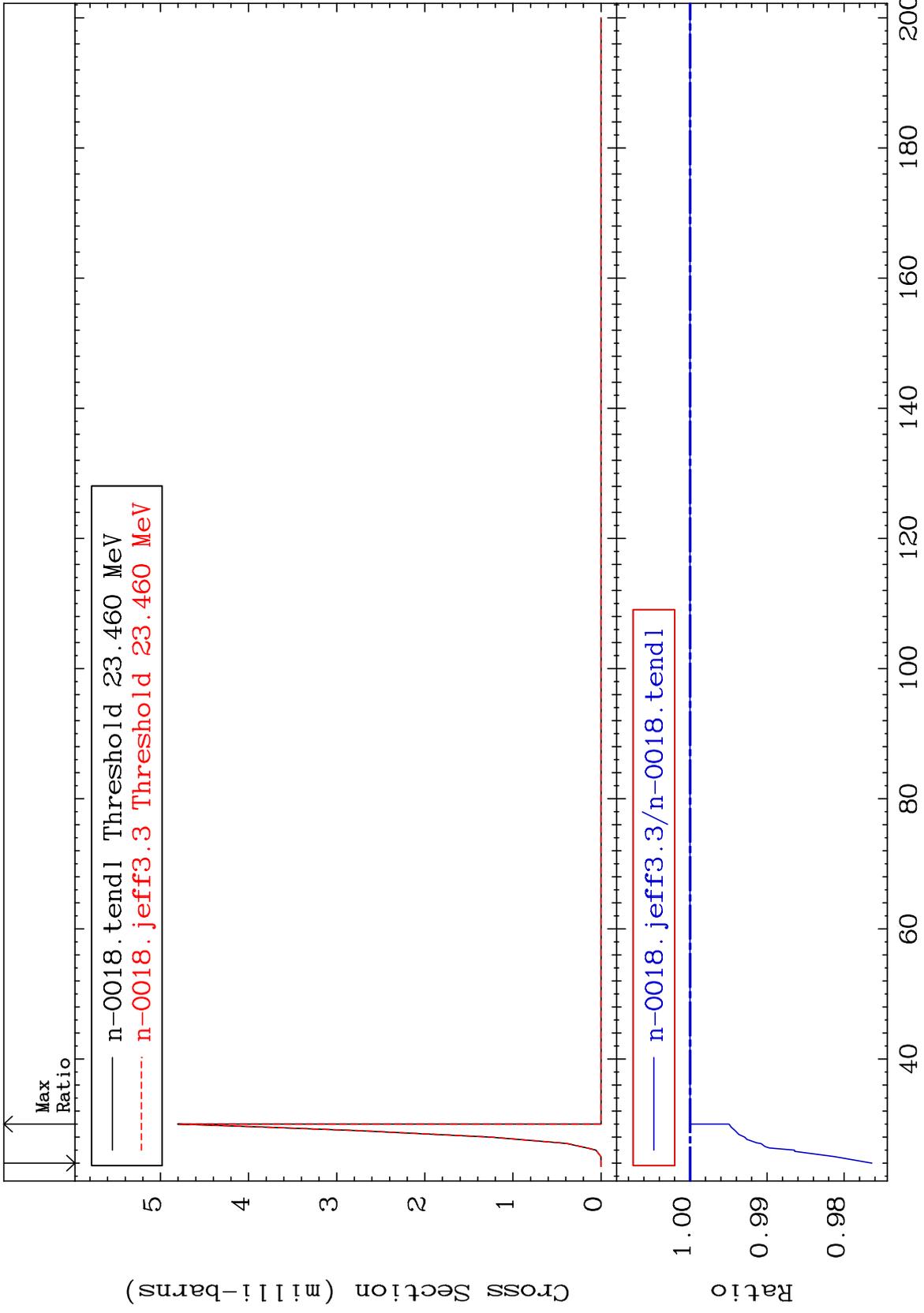
Incident Energy (eV)

8-0 -18

MAT 831

(n,2n) d  
Cross Section

8-0 -18  
-2.360 To 0.000 %



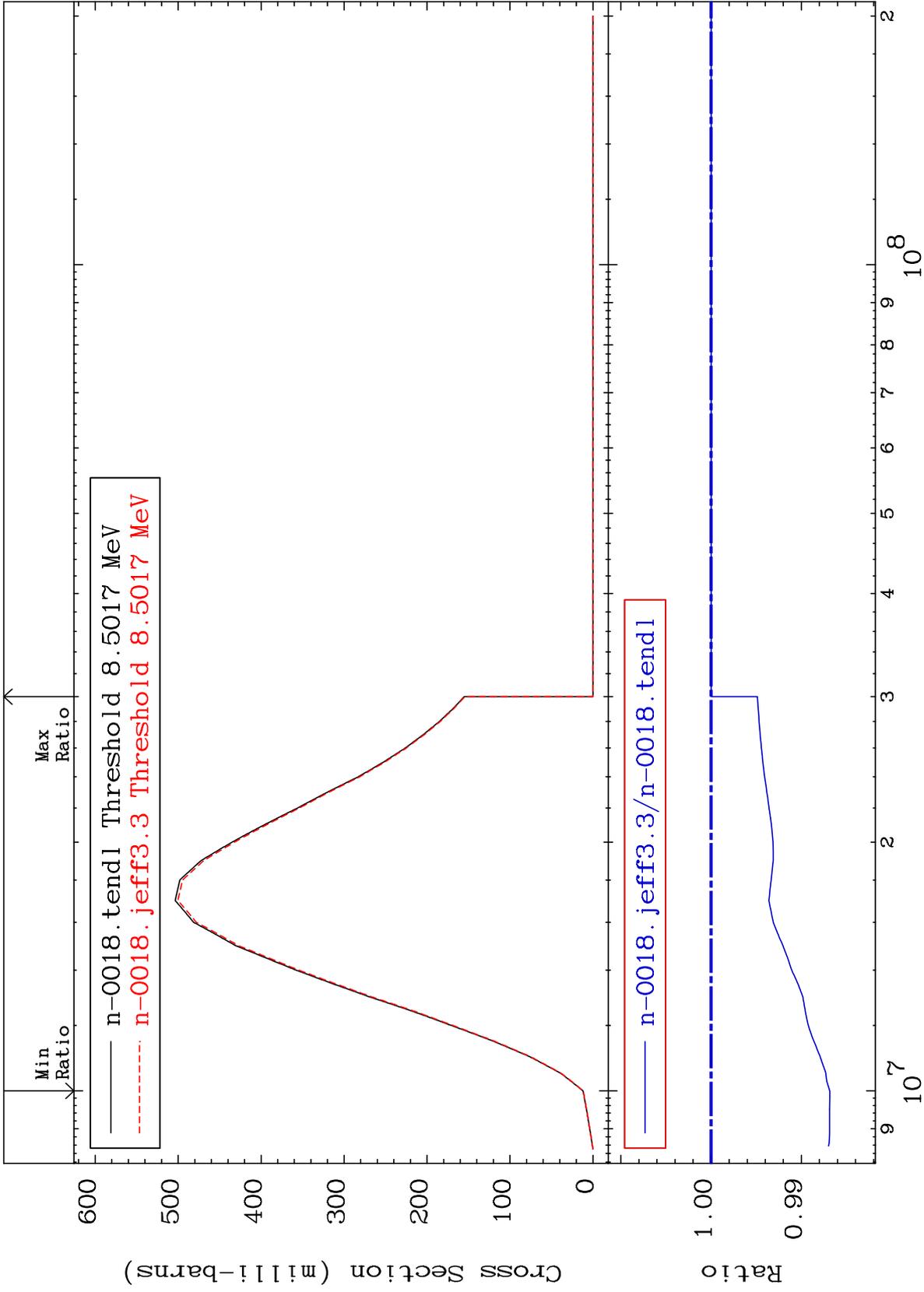
MAT 831

(n,2n)

8-0 -18

Cross Section

-1.314 To 0.000 %



4

Incident Energy (eV)

8-0 -18

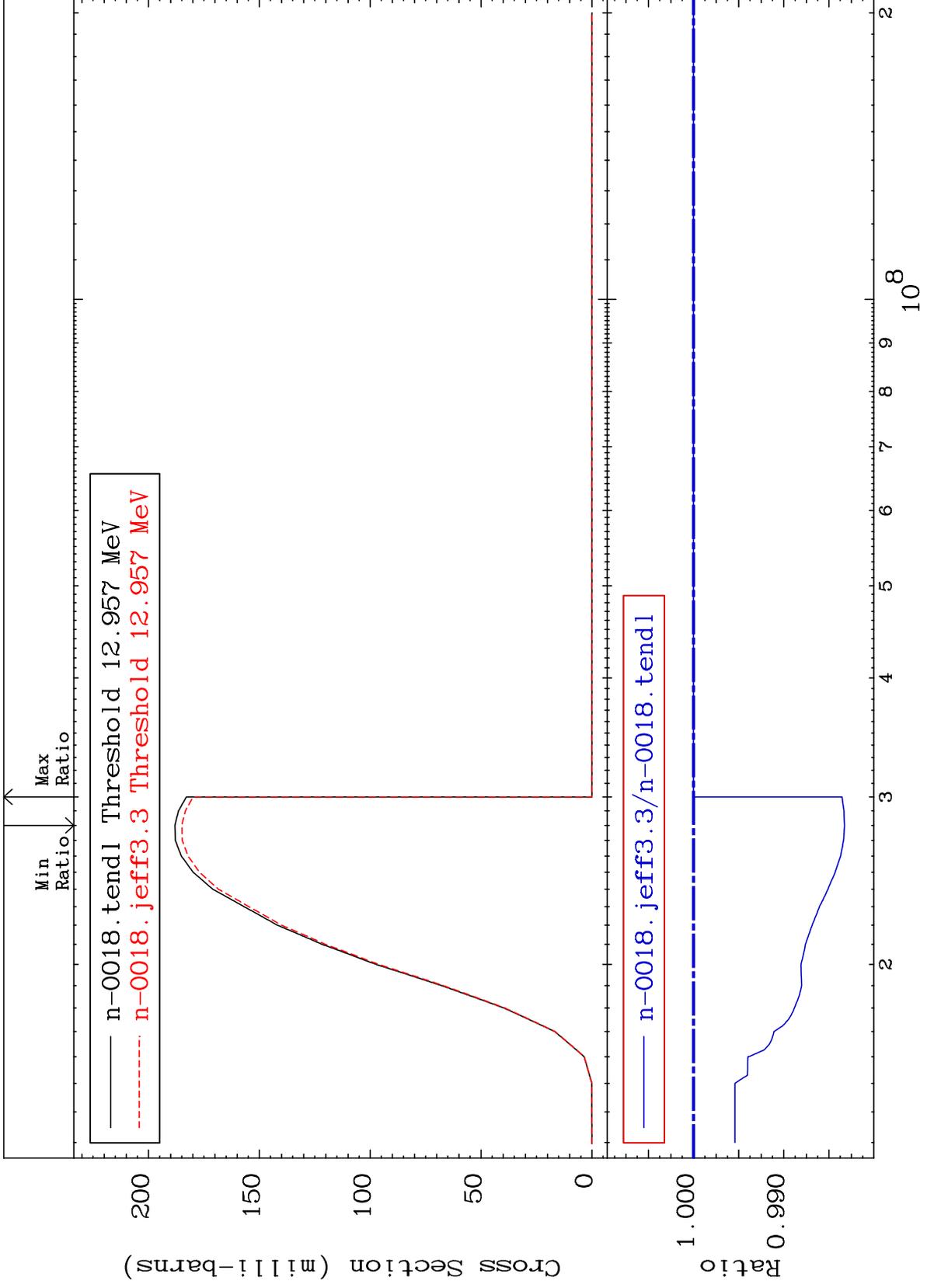
MAT 831

(n,3n)

Cross Section

8-0 -18

-1.673 To 0.000 %



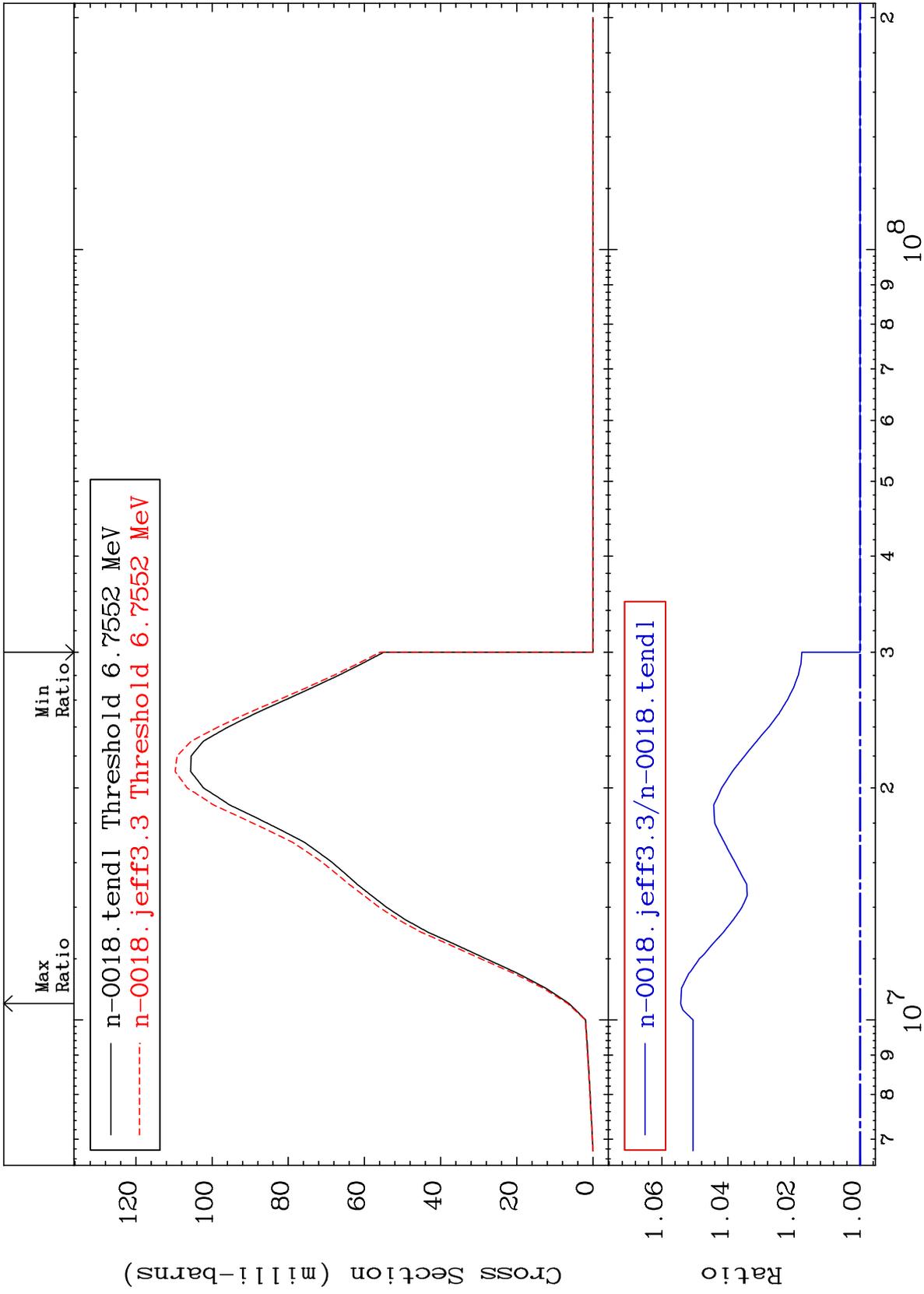
5

Incident Energy (eV)

8-0 -18

MAT 831

(n,n')  $\alpha$   
Cross Section  
0.000 To 5.428 %  
8-0 -18



6

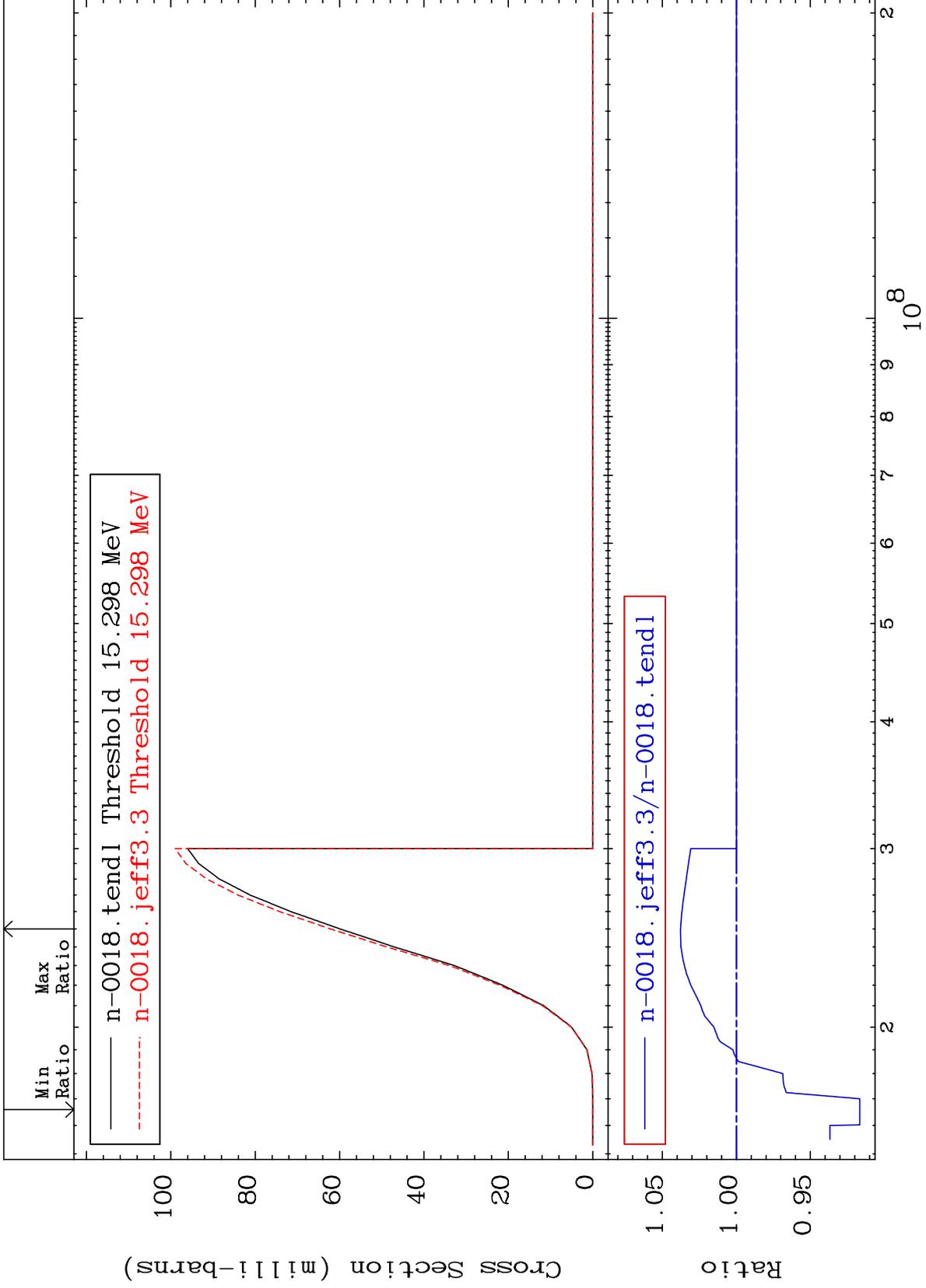
Incident Energy (eV)

8-0 -18

MAT 831

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

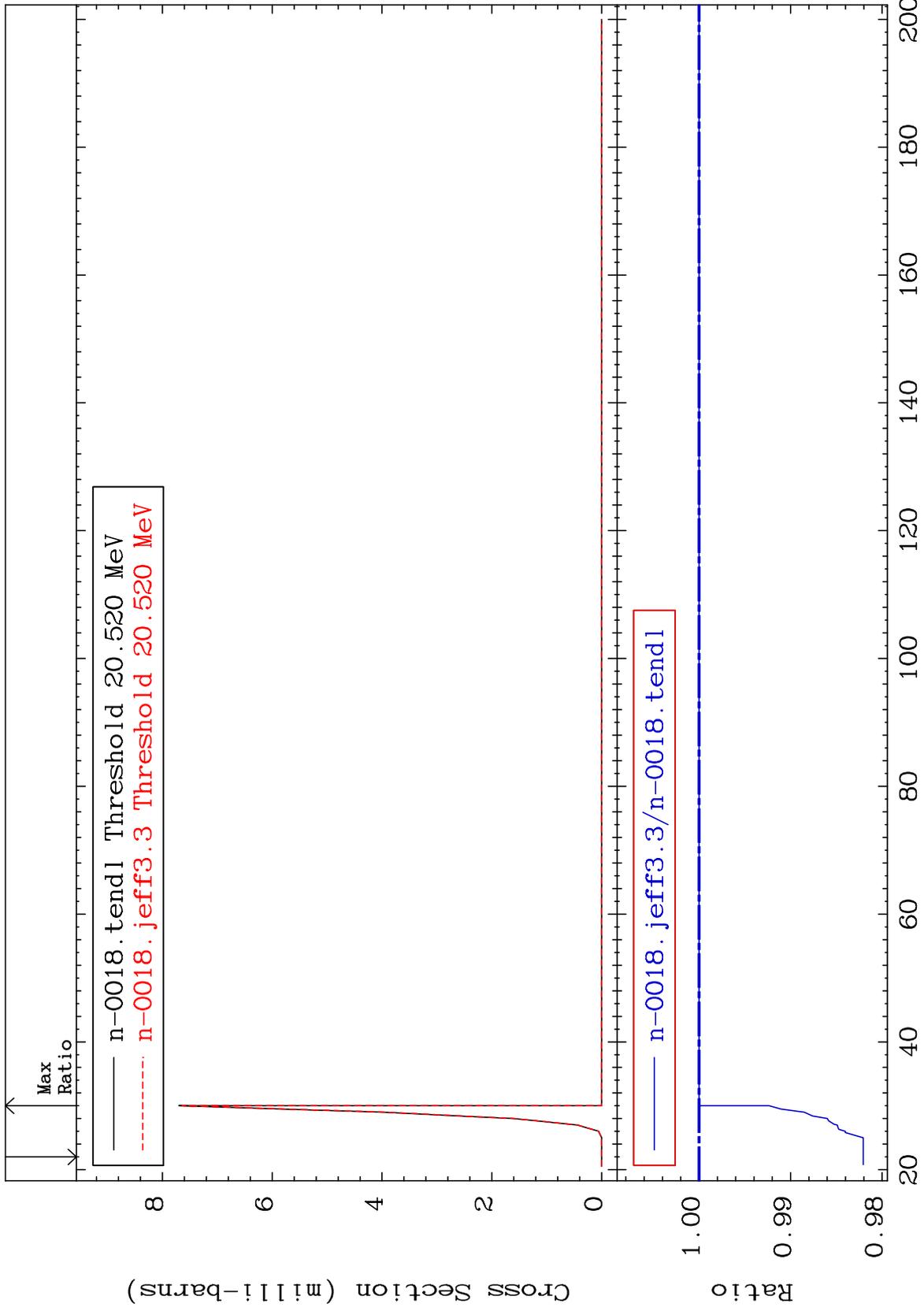
8-0 -18  
-8.338 To 3.773 %



MAT 831

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

8-0 -18  
-1.795 To 0.000 %

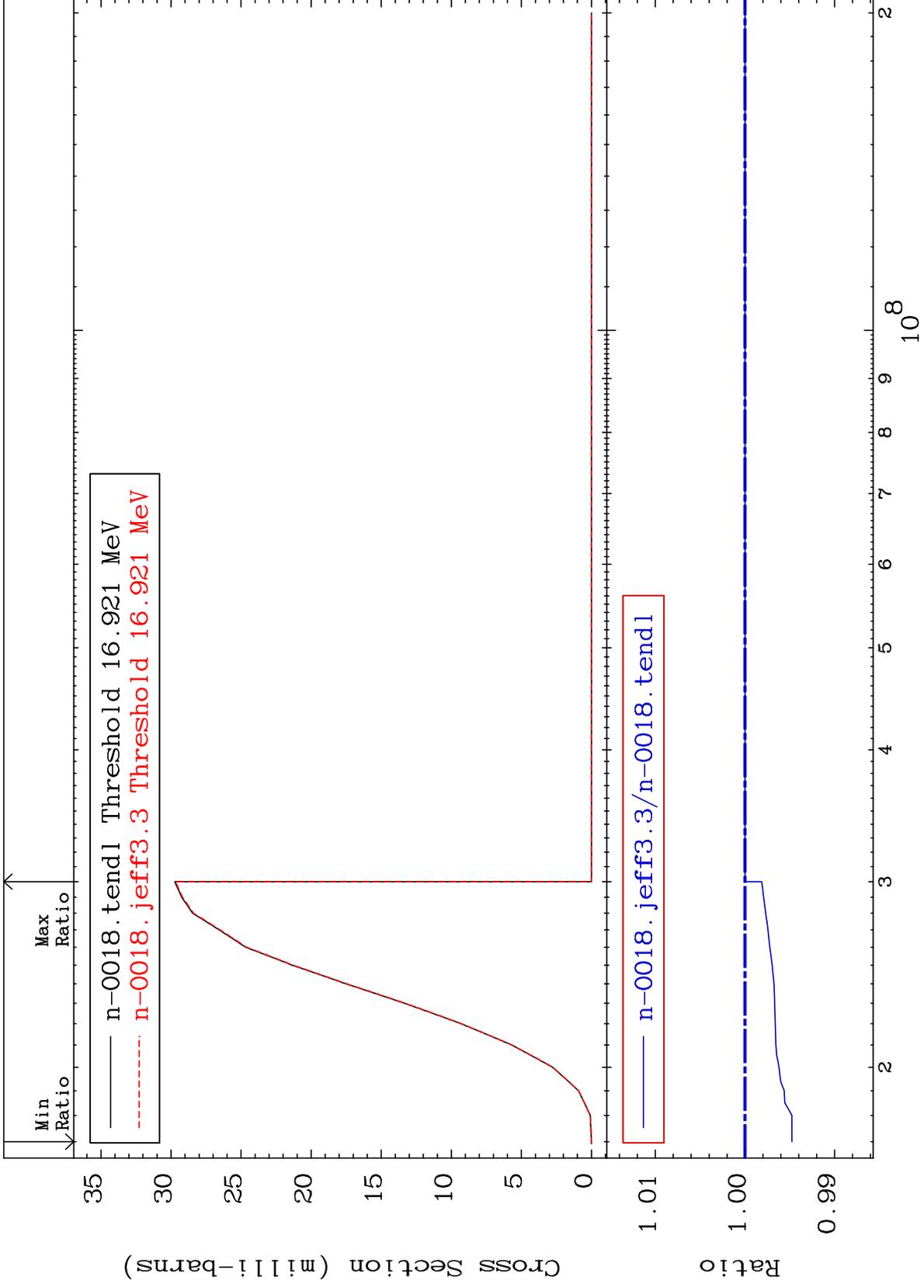


8-0 -18

MAT 831

(n,n') p  
Cross Section

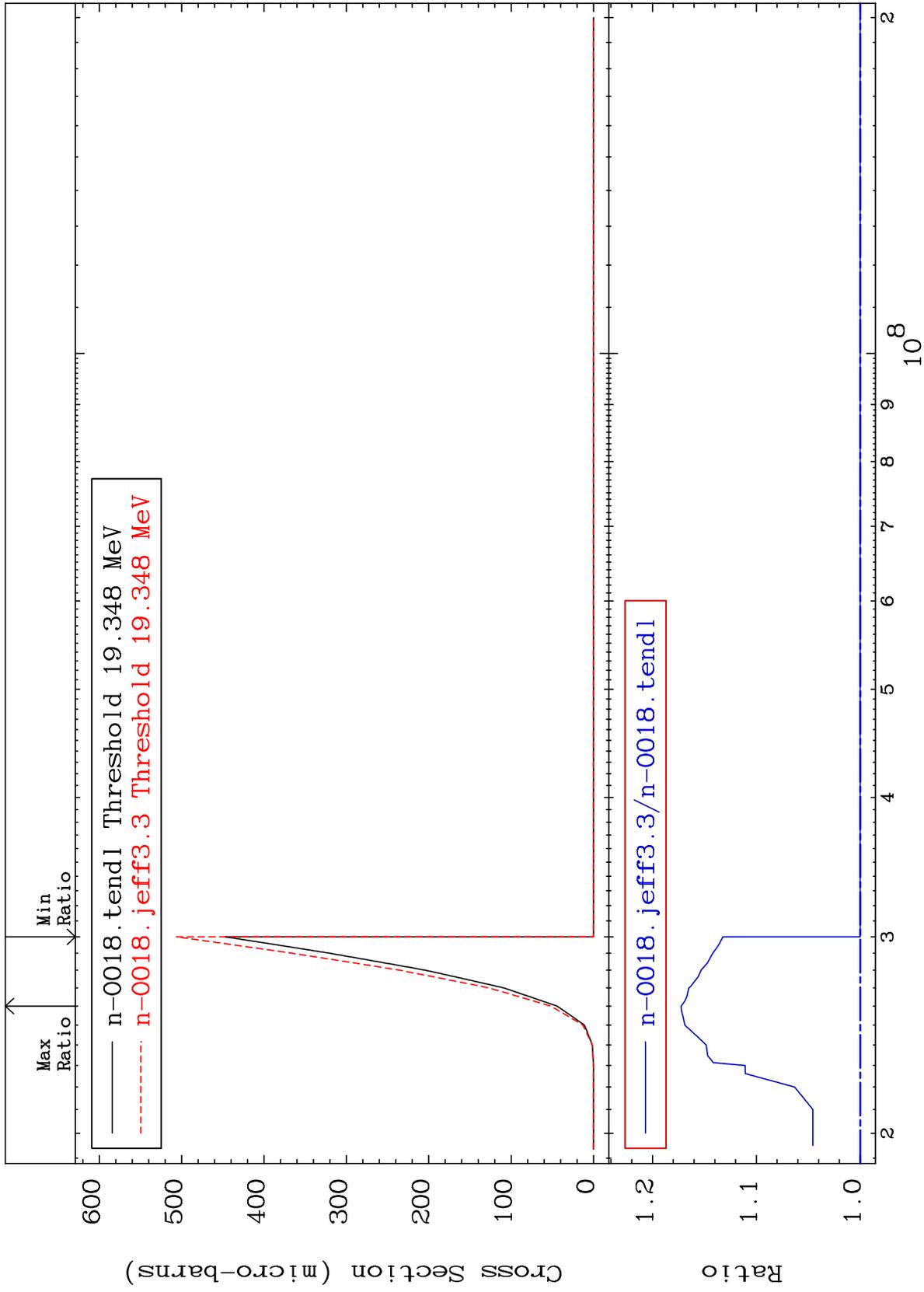
8-0 -18  
-0.524 To 0.000 %



MAT 831

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

8-0 -18  
0.000 To 17.24 %



10

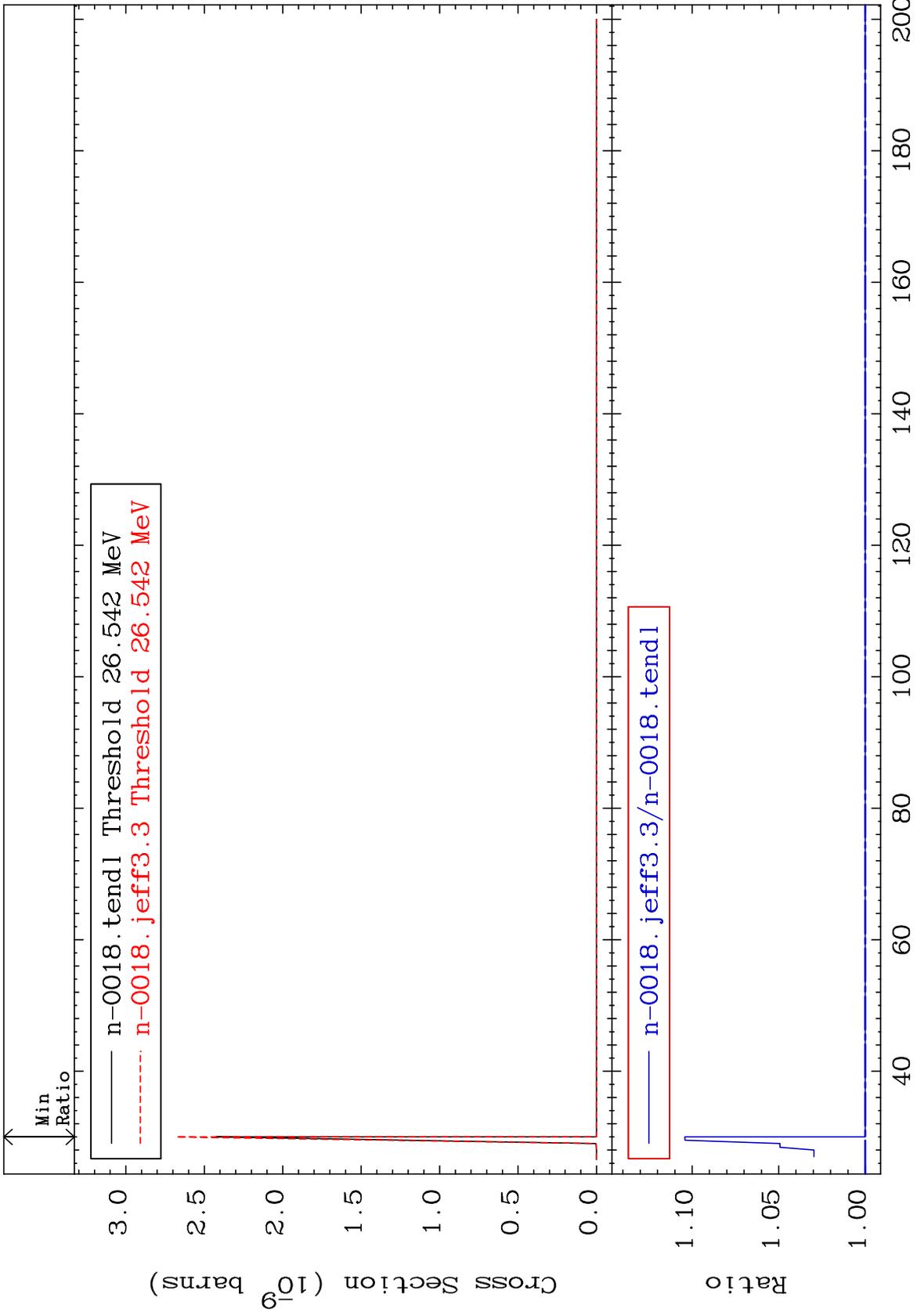
Incident Energy (eV)

8-0 -18

MAT 831

(n,2n) 2α  
Cross Section

8-0 -18  
0.000 To 10.42 %



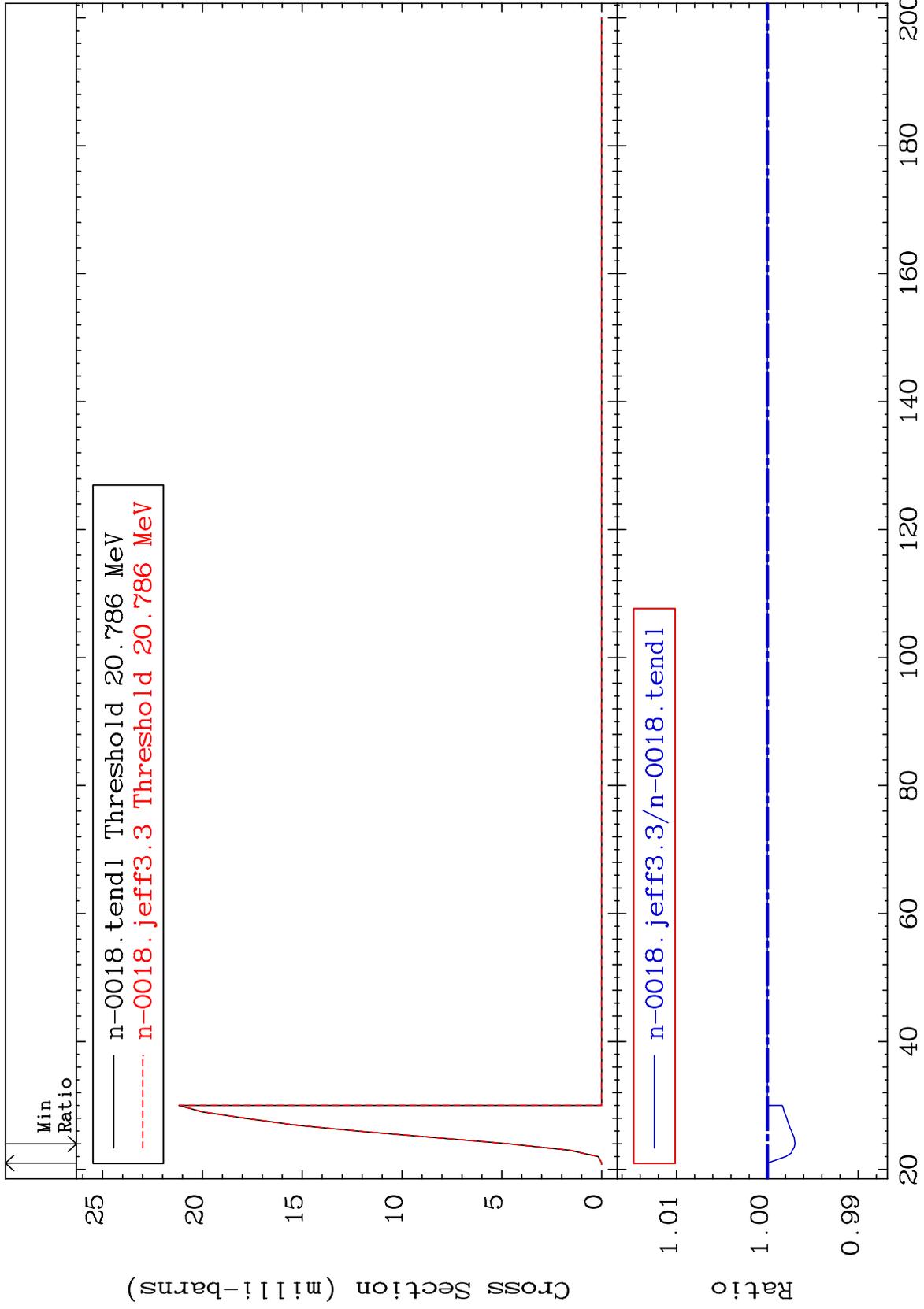
MAT 831

(n,n') d

8-0 -18

Cross Section

-0.303 To 0.000 %



12

Incident Energy (MeV)

8-0 -18

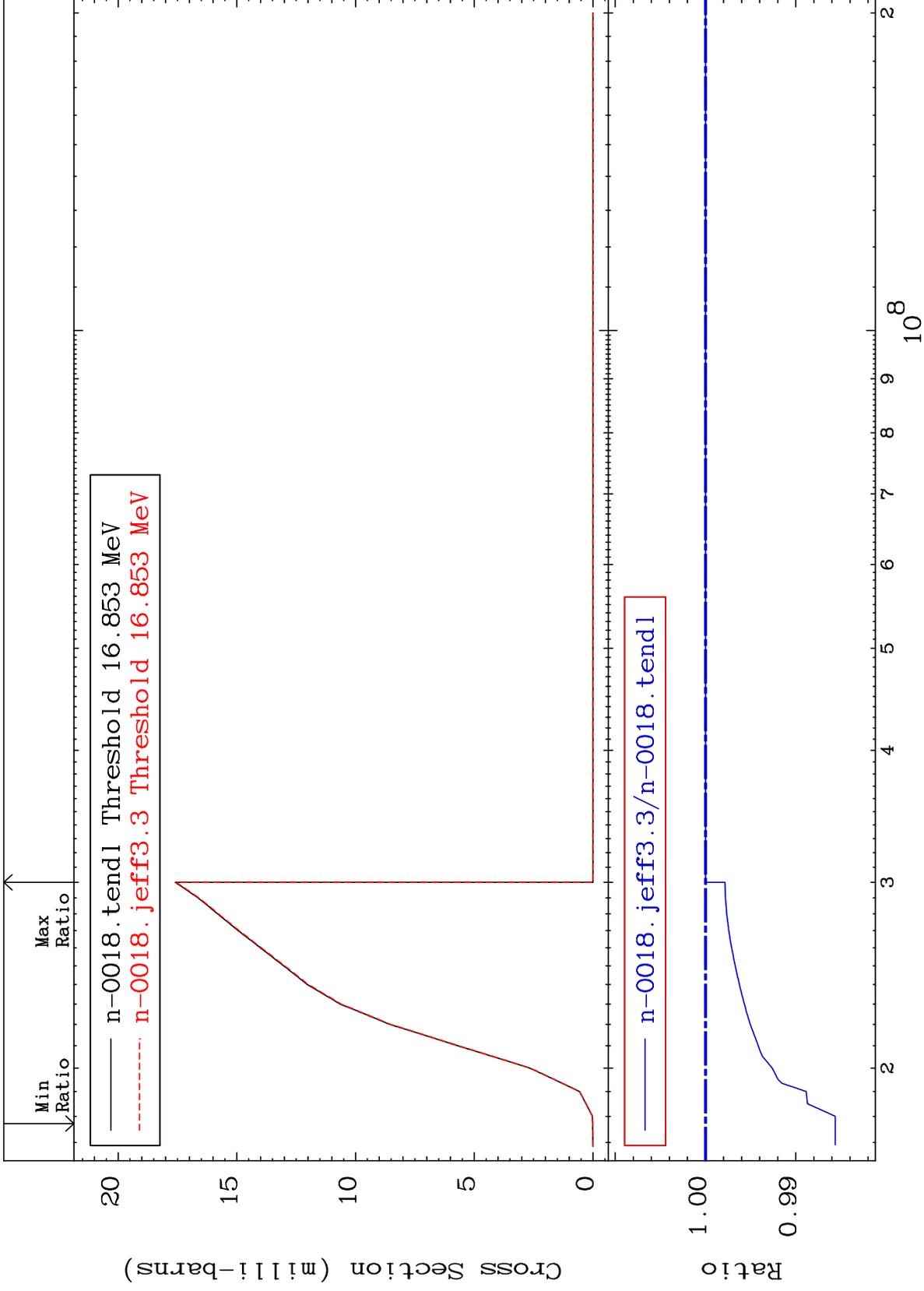
MAT 831

(n,n') t

8-0 -18

Cross Section

-1.437 To 0.000 %



13

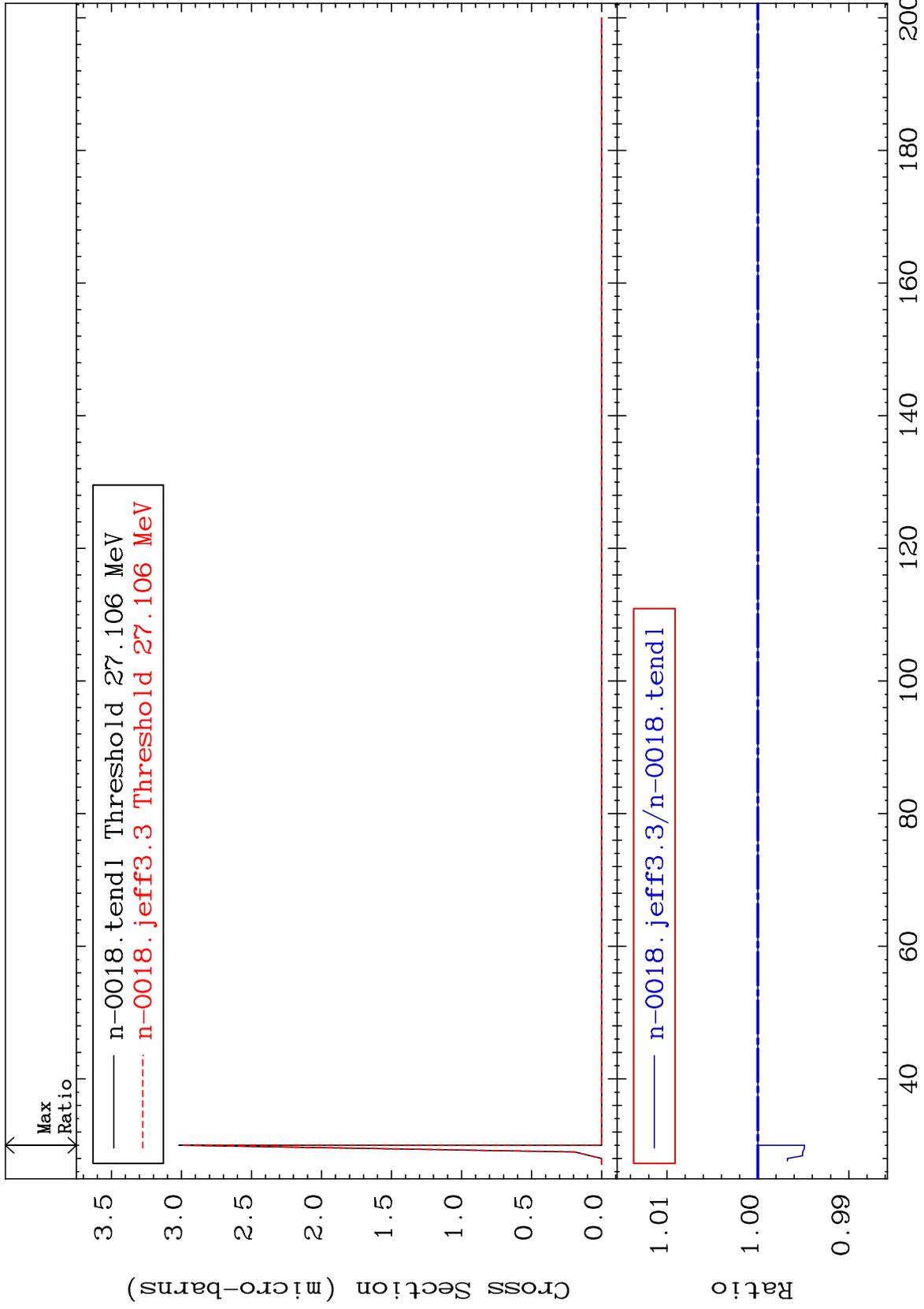
Incident Energy (eV)

8-0 -18

MAT 831

(n,n') He-3  
Cross Section

8-0 -18  
-0.513 To 0.000 %



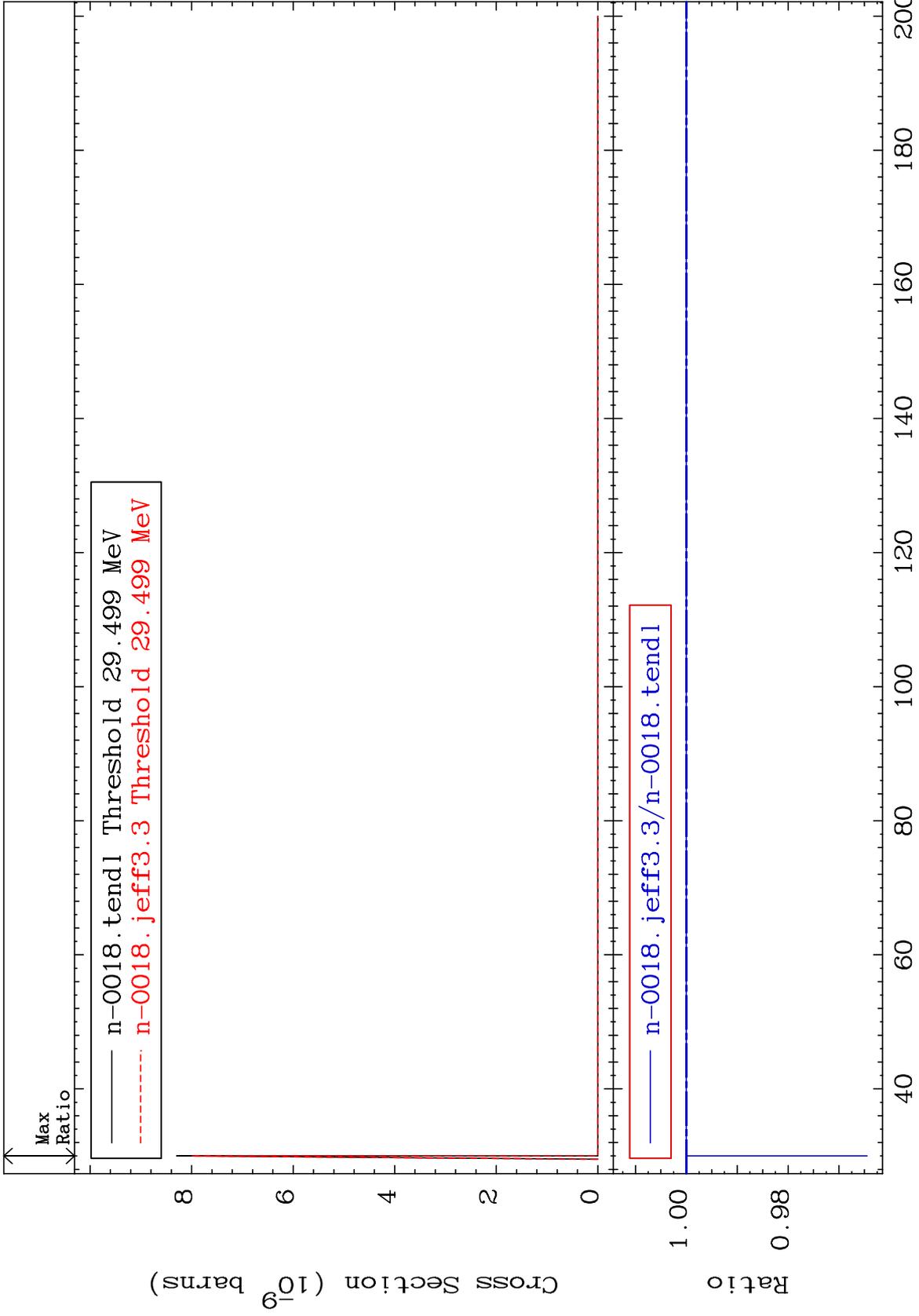
MAT 831

(n,4n)

8-0 -18

Cross Section

-3.553 To 0.000 %



15

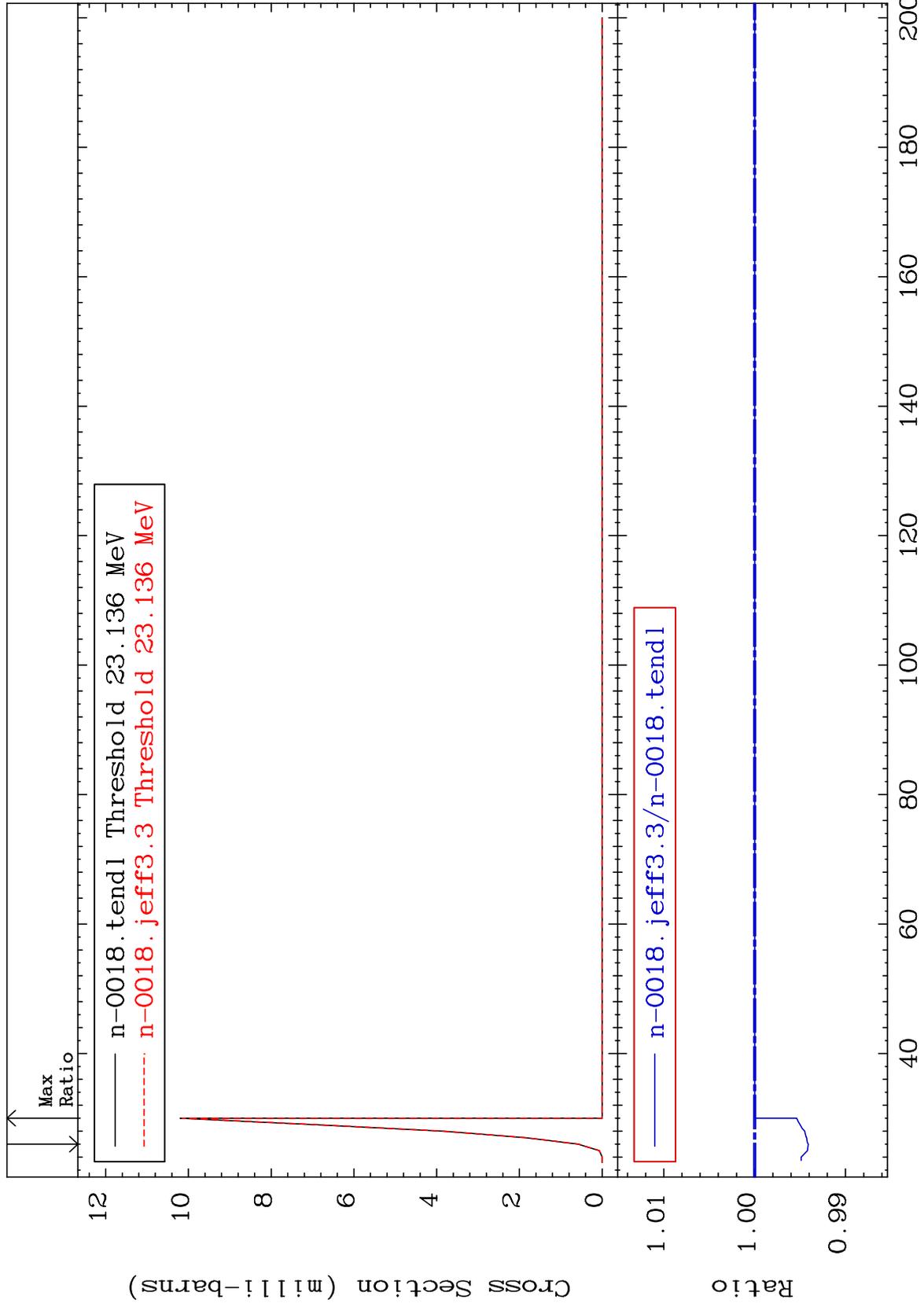
Incident Energy (MeV)

8-0 -18

MAT 831

(n,2n) p  
Cross Section

8-0 -18  
-0.589 To 0.000 %



16

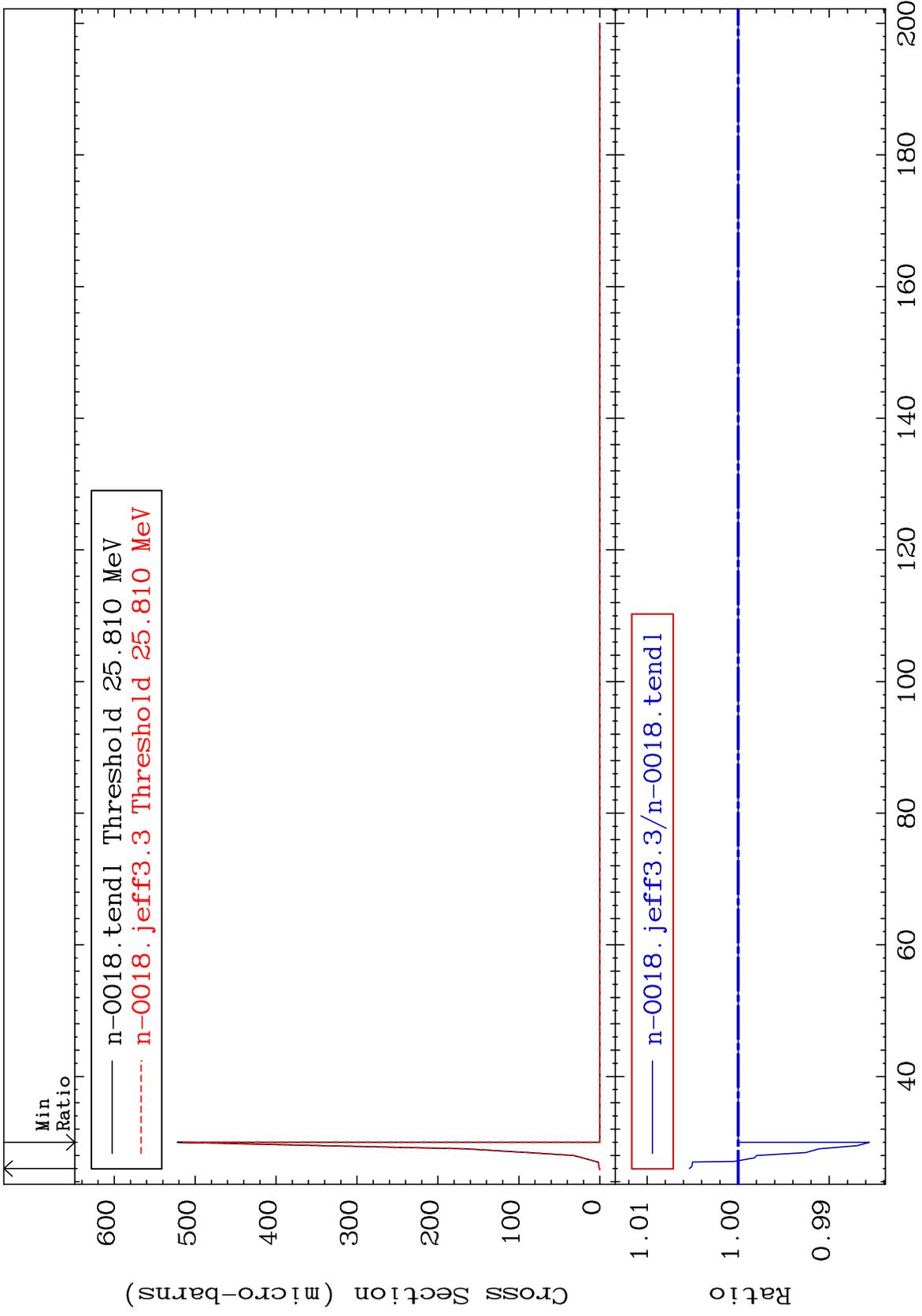
Incident Energy (MeV)

8-0 -18

MAT 831

(n,3n) p  
Cross Section

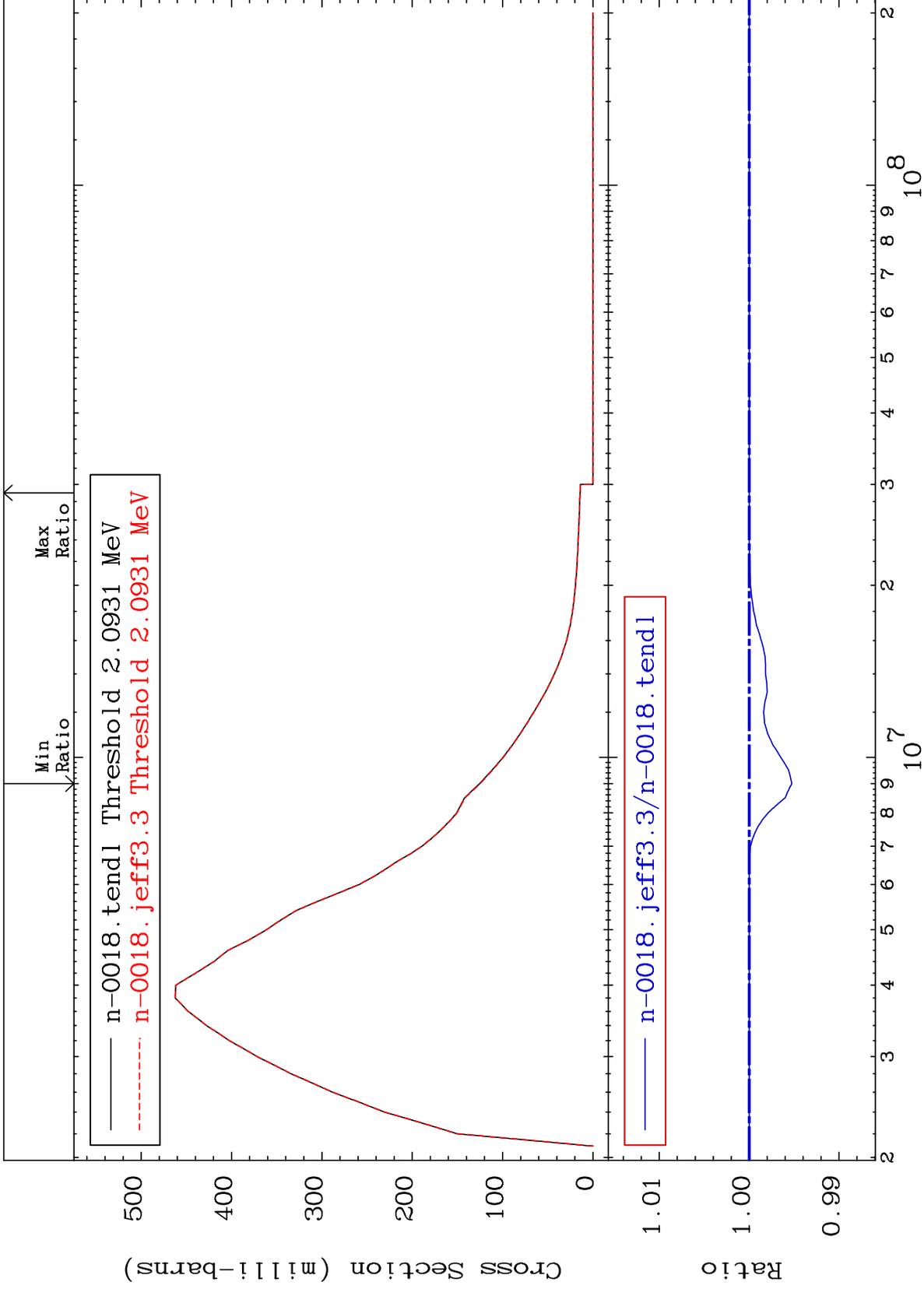
8-0 -18  
-1.439 To 0.536 %



MAT 831

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

8-0 -18  
-0.474 To 0.000 %



18

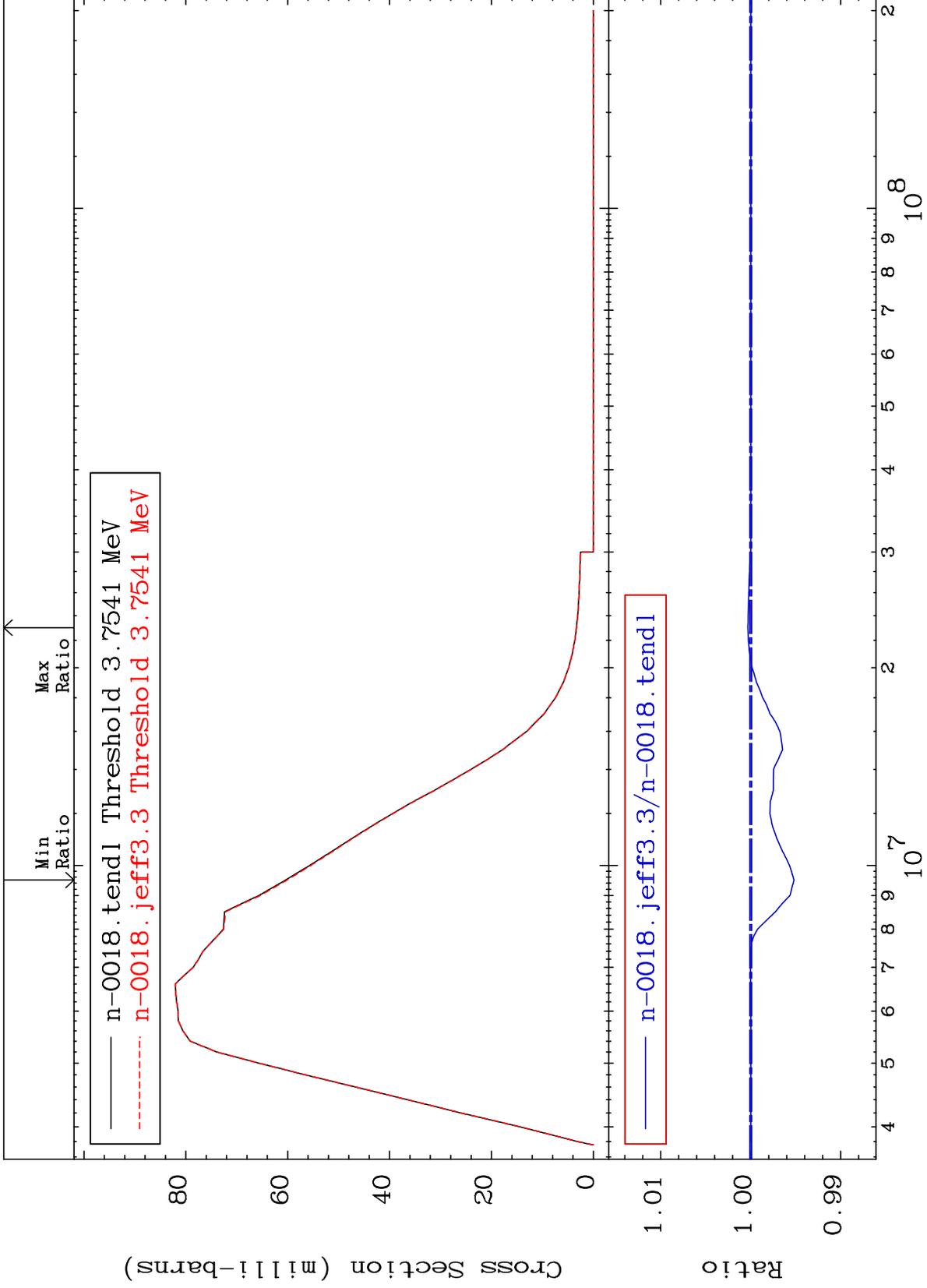
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.482 To 0.031 %



19

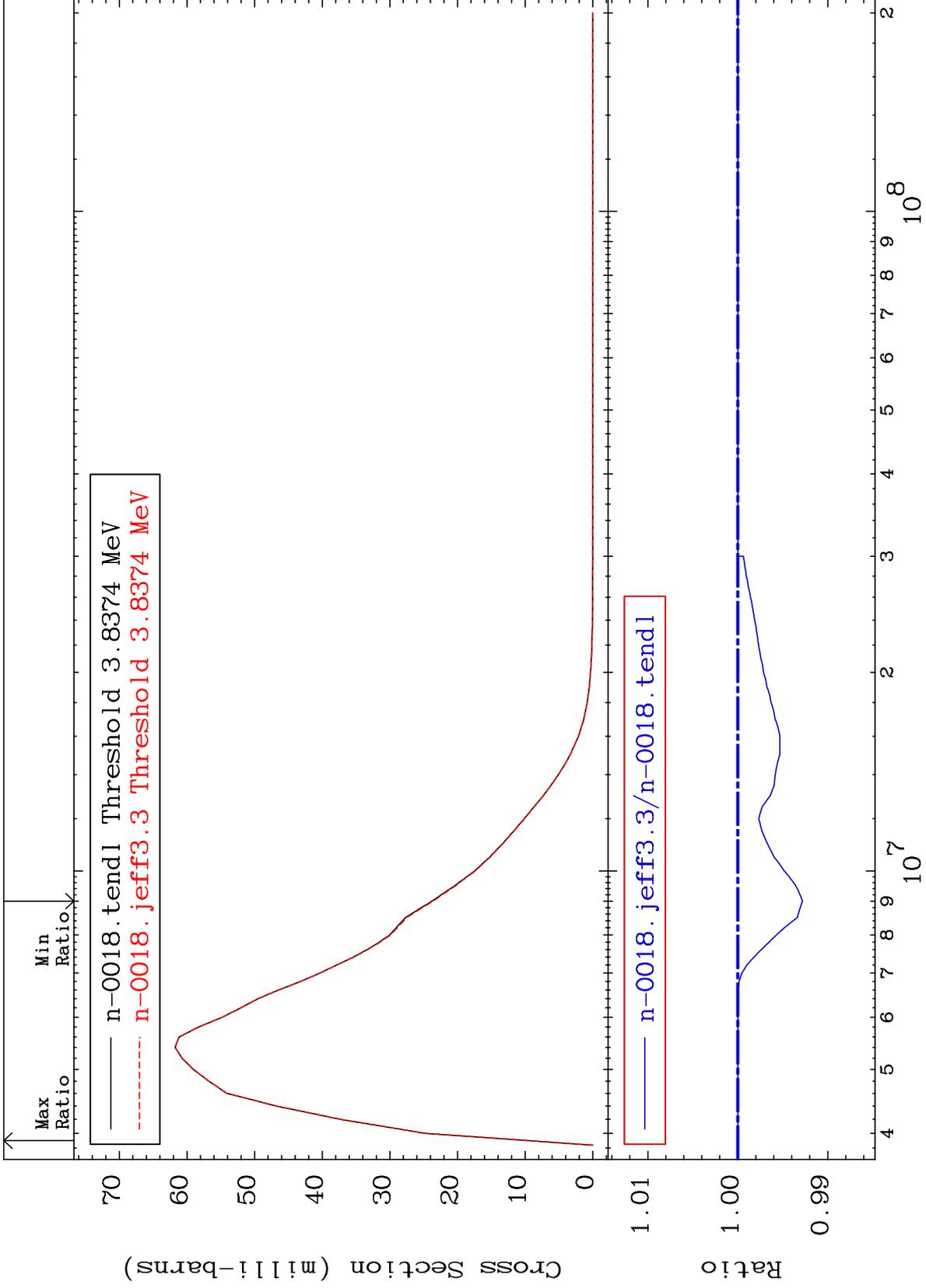
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.720 To 0.000 %



20

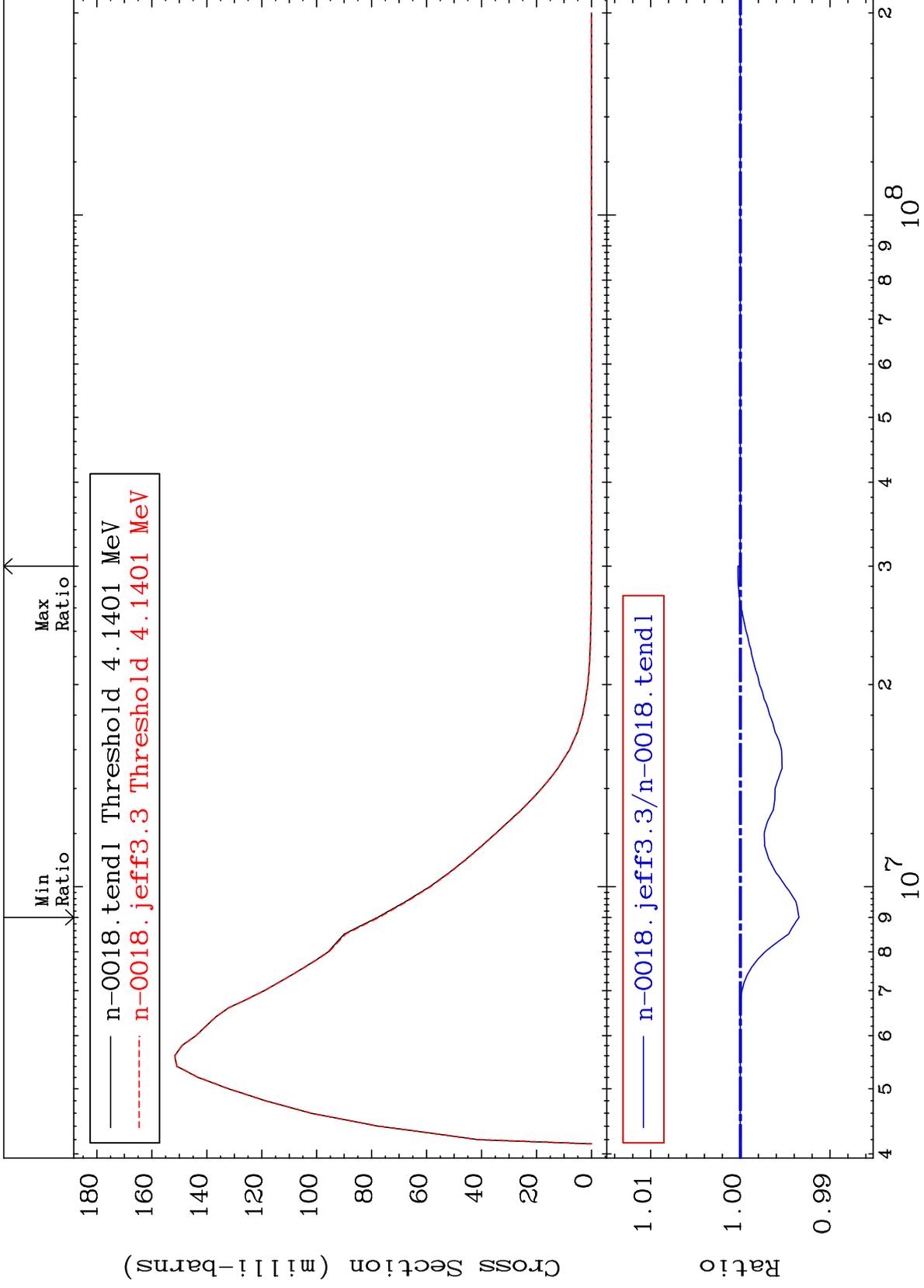
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.655 To 0.027 %



21

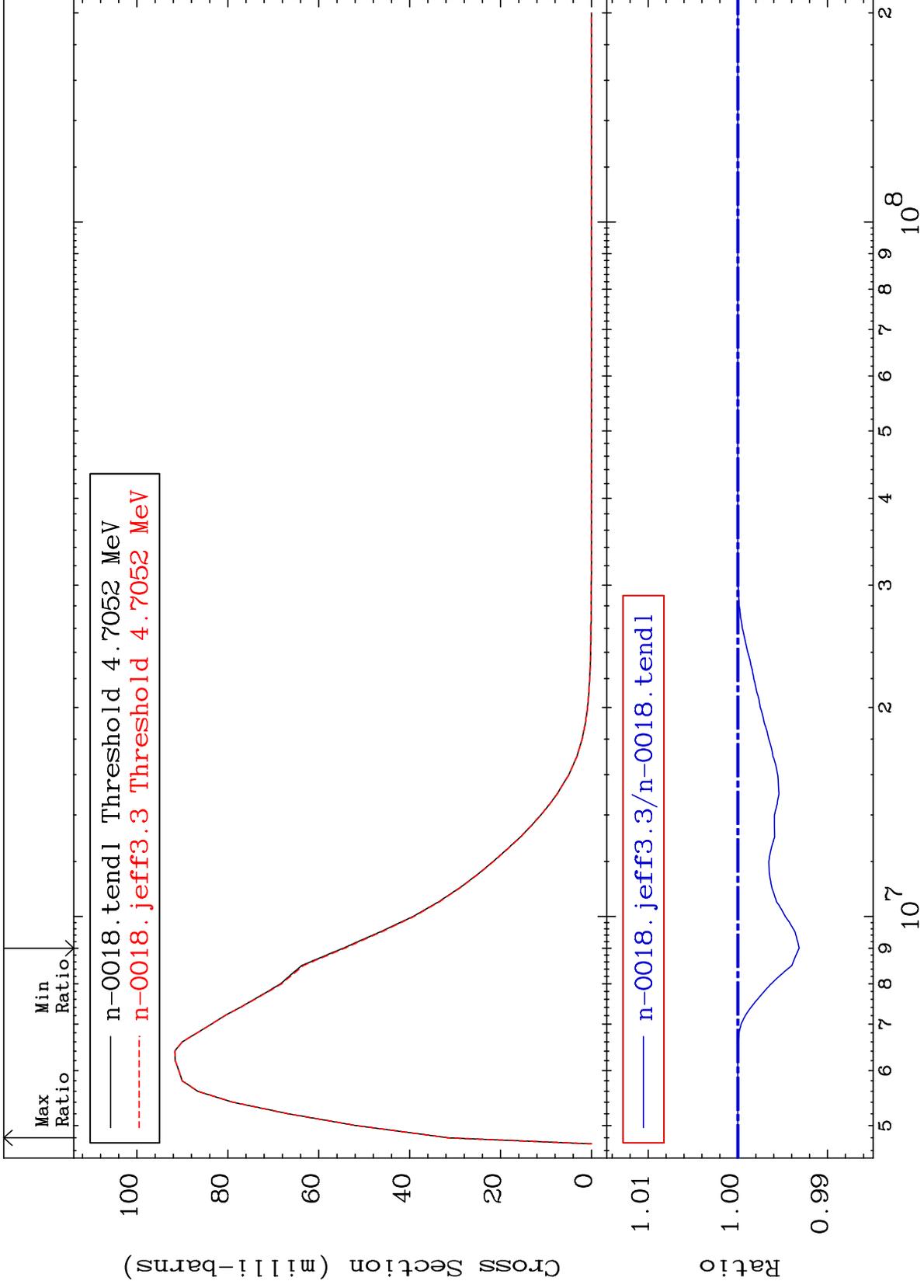
Incident Energy (eV)

8-0 -18

MAT 831

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

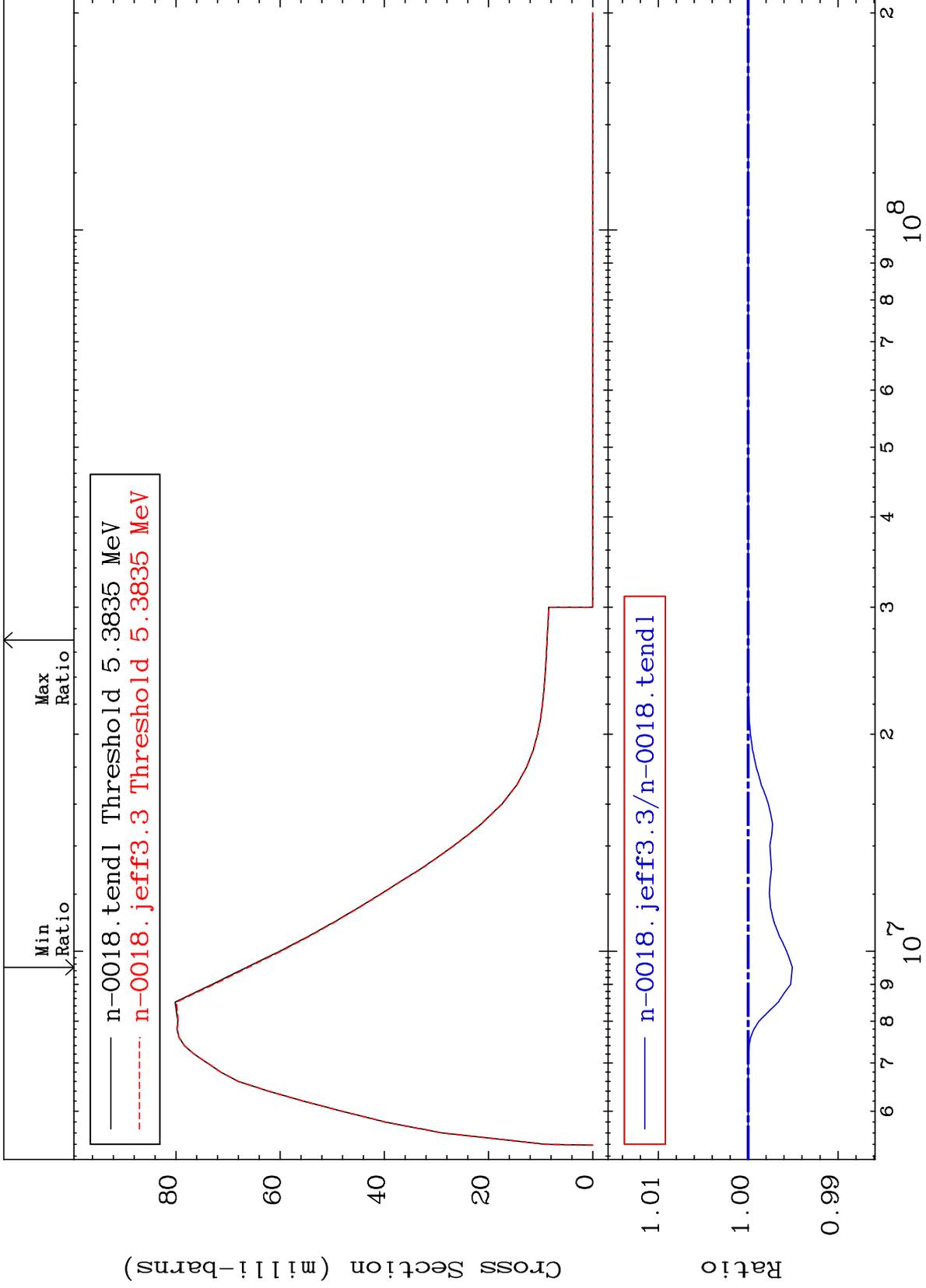
8-0 -18  
-0.683 To 0.000 %



MAT 831

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

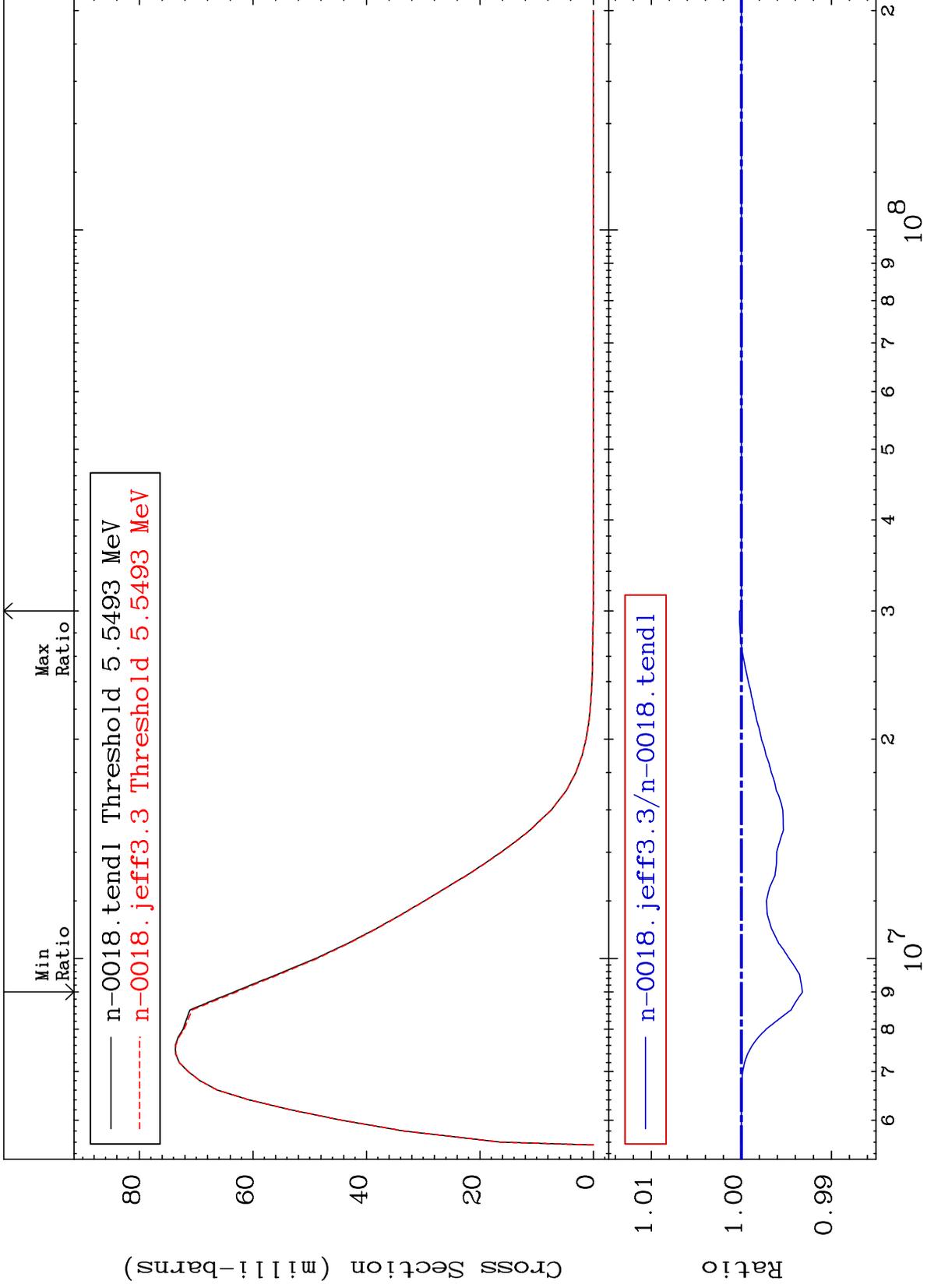
8-0 -18  
-0.491 To 0.002 %



MAT 831

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

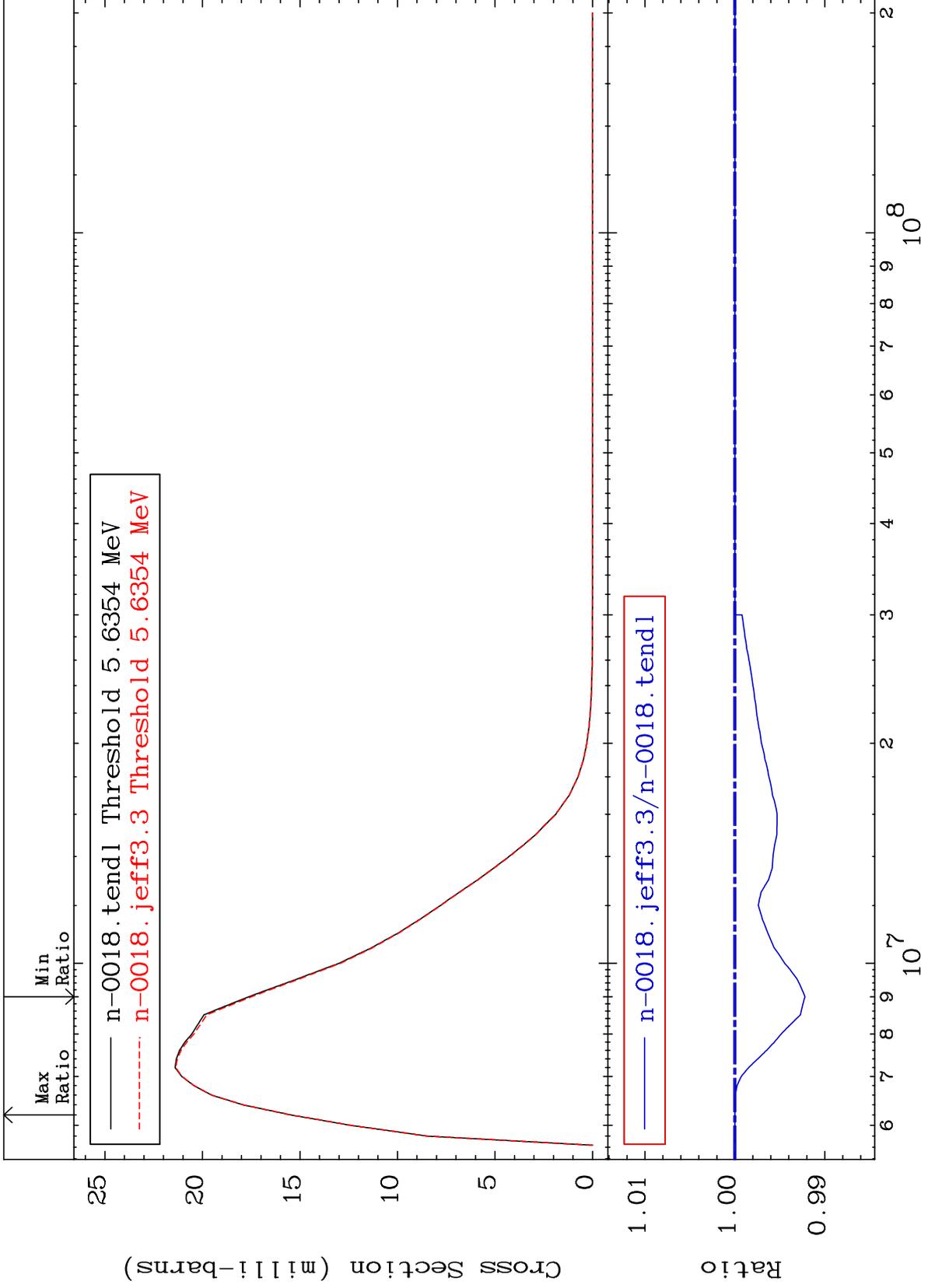
8-0 -18  
-0.679 To 0.021 %



MAT 831

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

8-0 -18  
-0.779 To 0.000 %



25

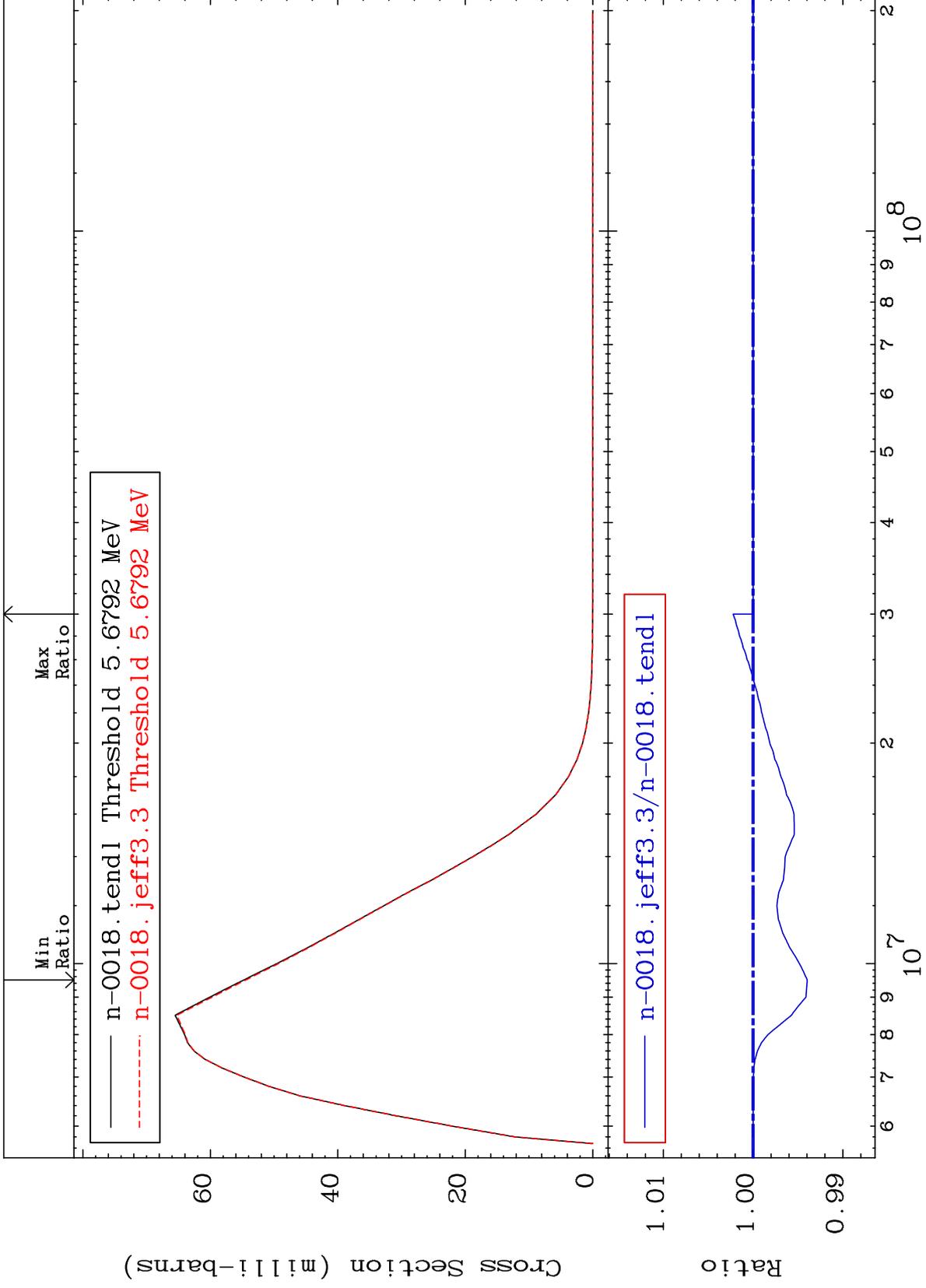
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.603 To 0.222 %



26

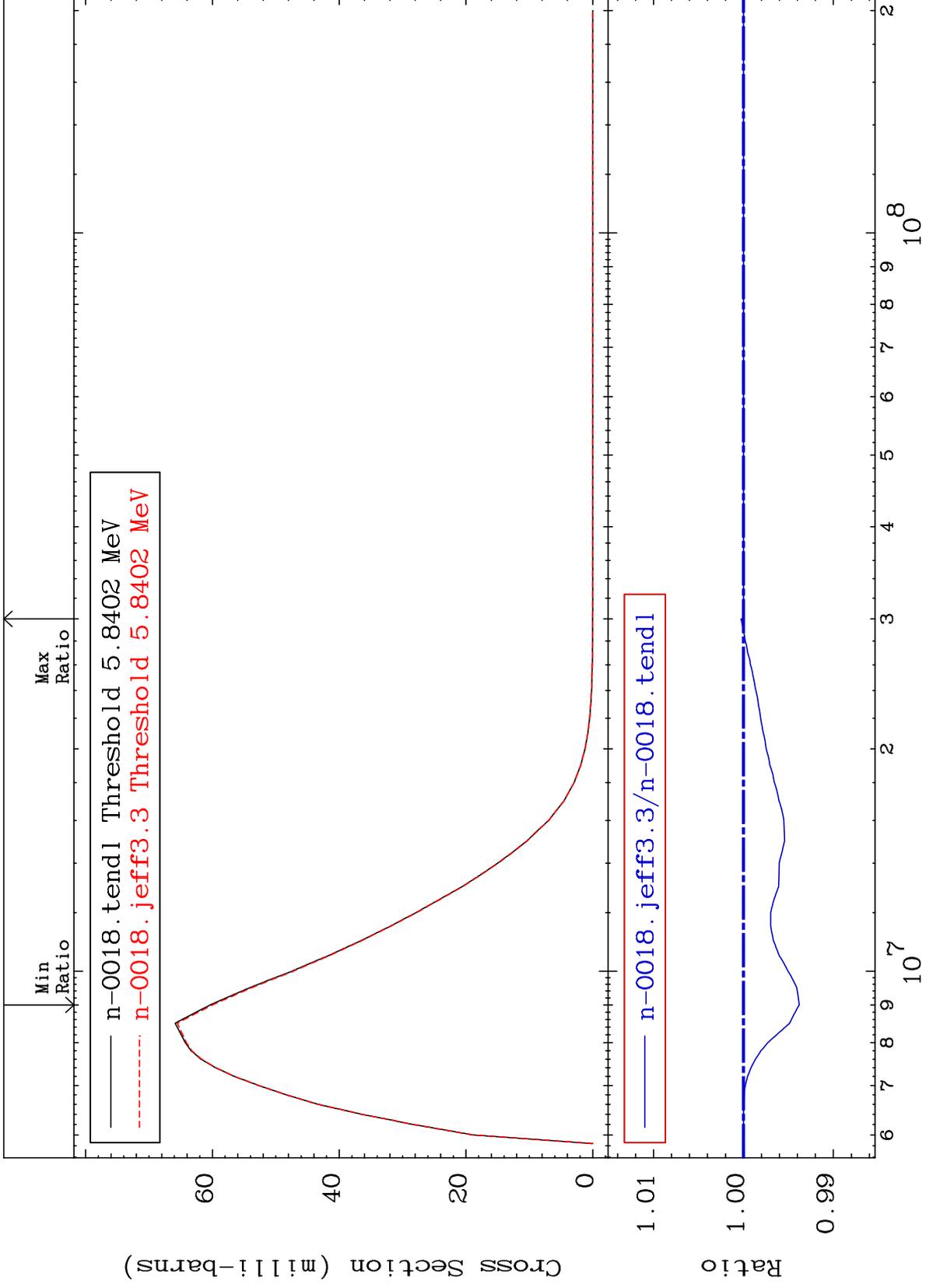
Incident Energy (eV)

8-0 -18

MAT 831

MT= 60 (n,n') Level  
Cross Section

8-0 -18  
-0.620 To 0.026 %



27

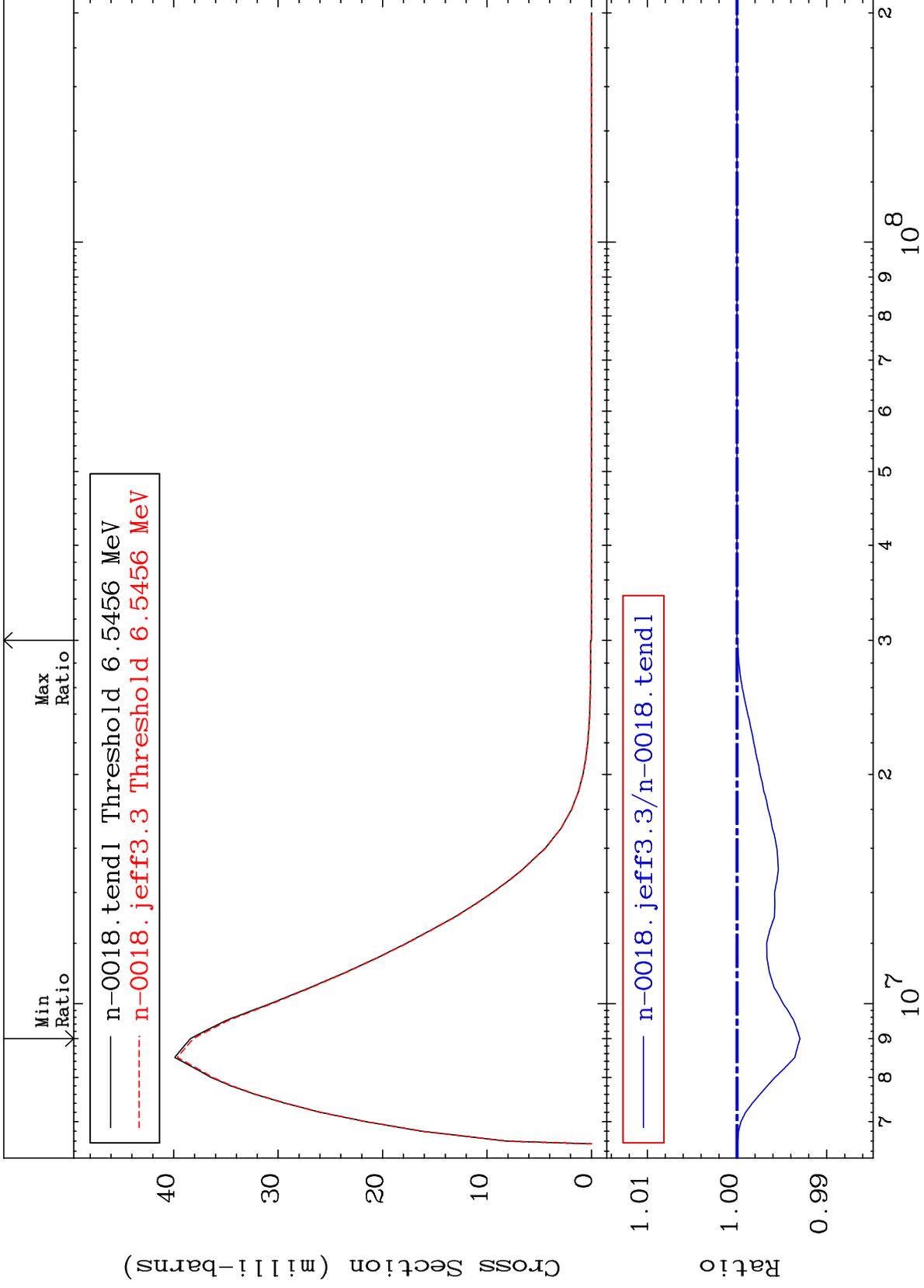
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.702 To 0.000 %



28

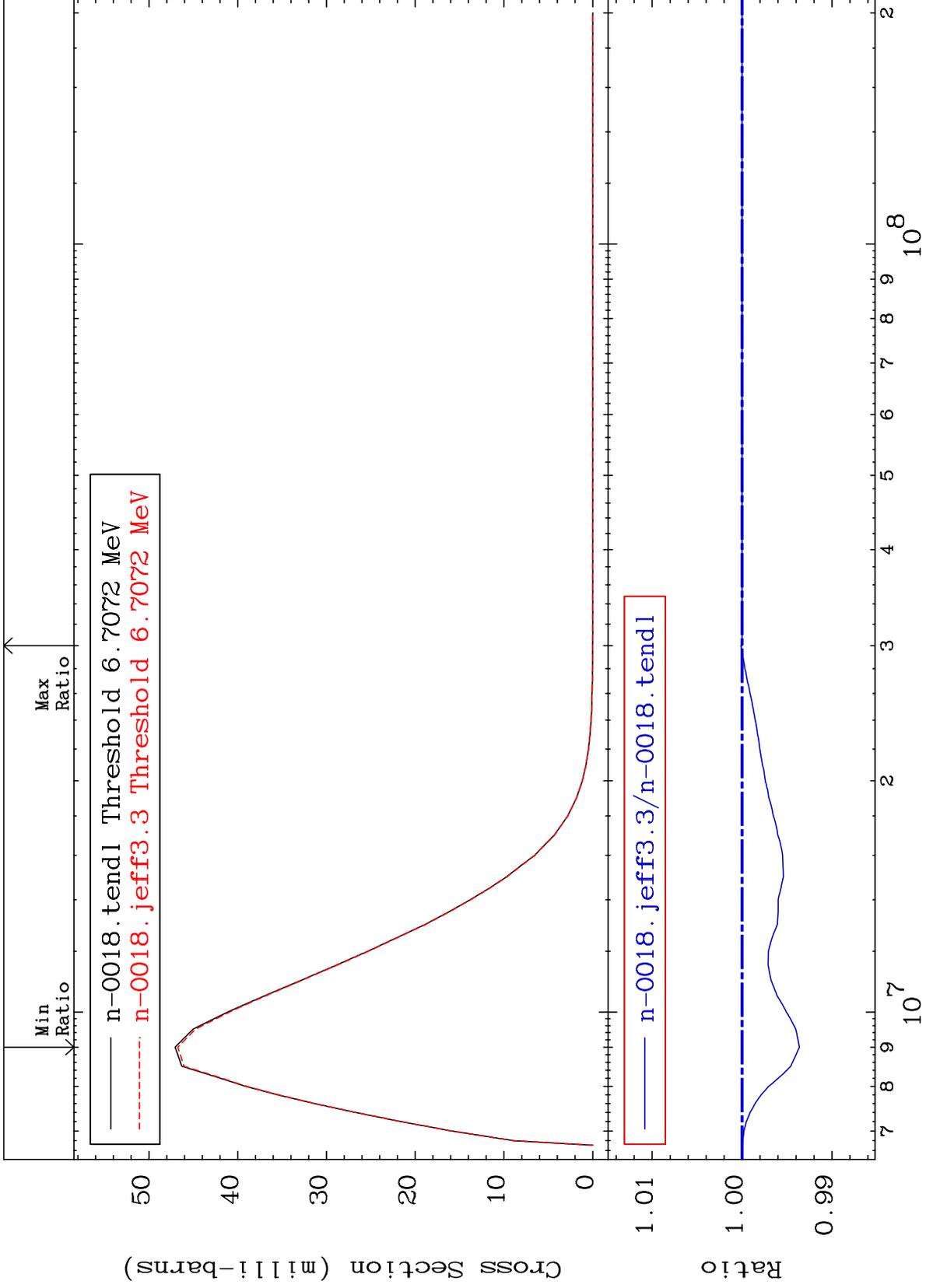
Incident Energy (eV)

8-0 -18

MAT 831

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

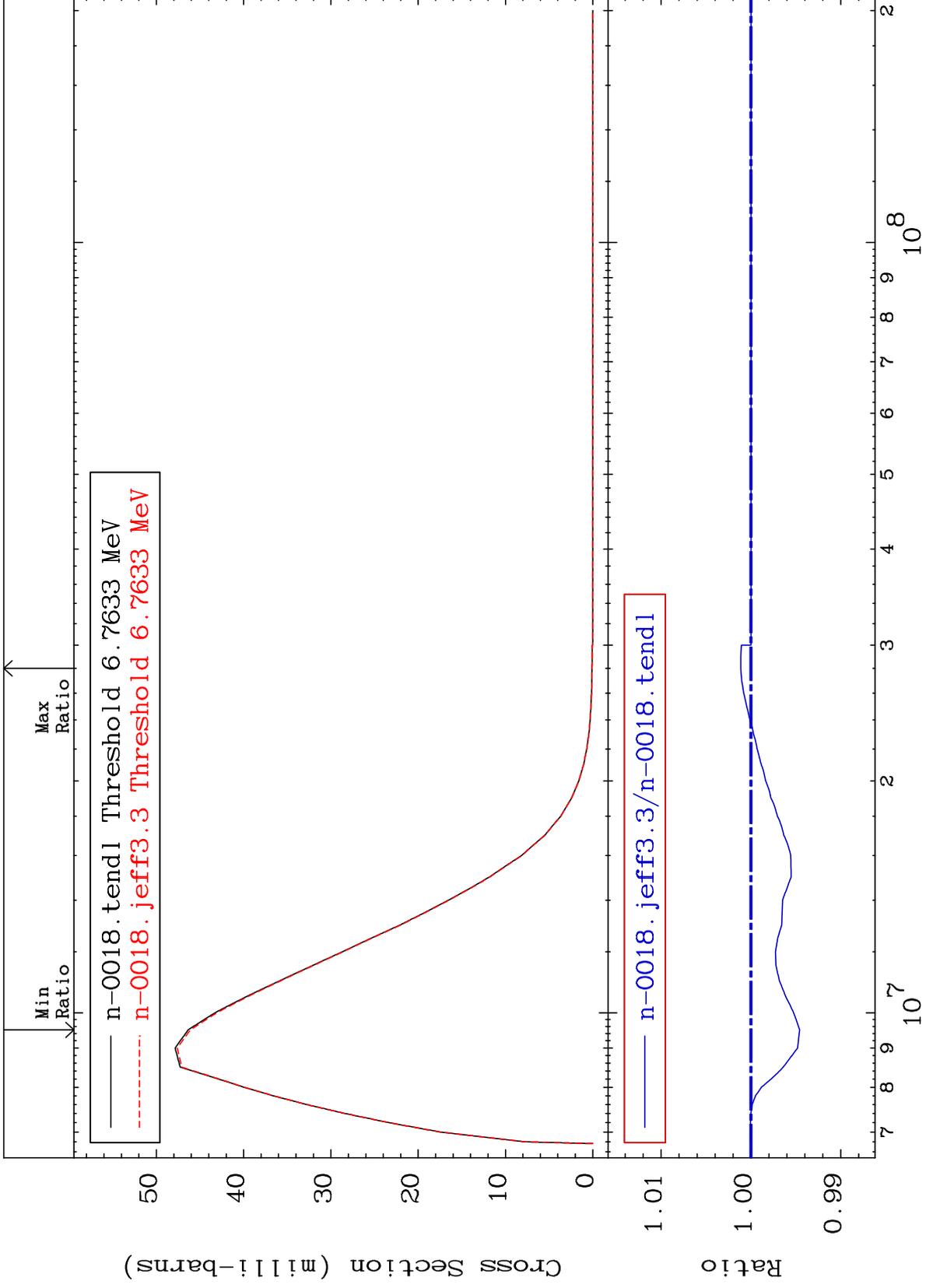
8-0 -18  
-0.638 To 0.014 %



MAT 831

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

8-0 -18  
-0.541 To 0.114 %



30

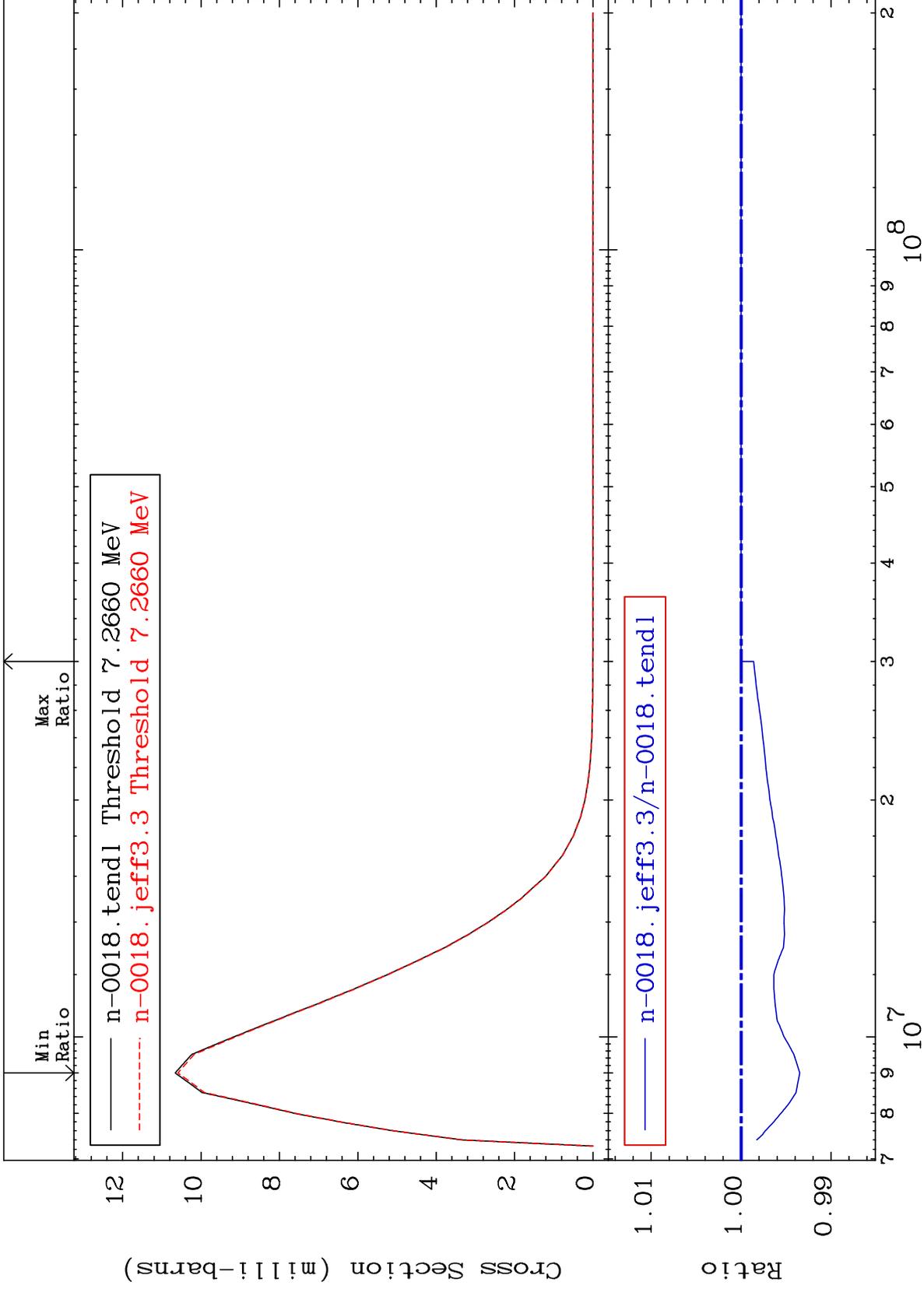
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.652 To 0.000 %



31

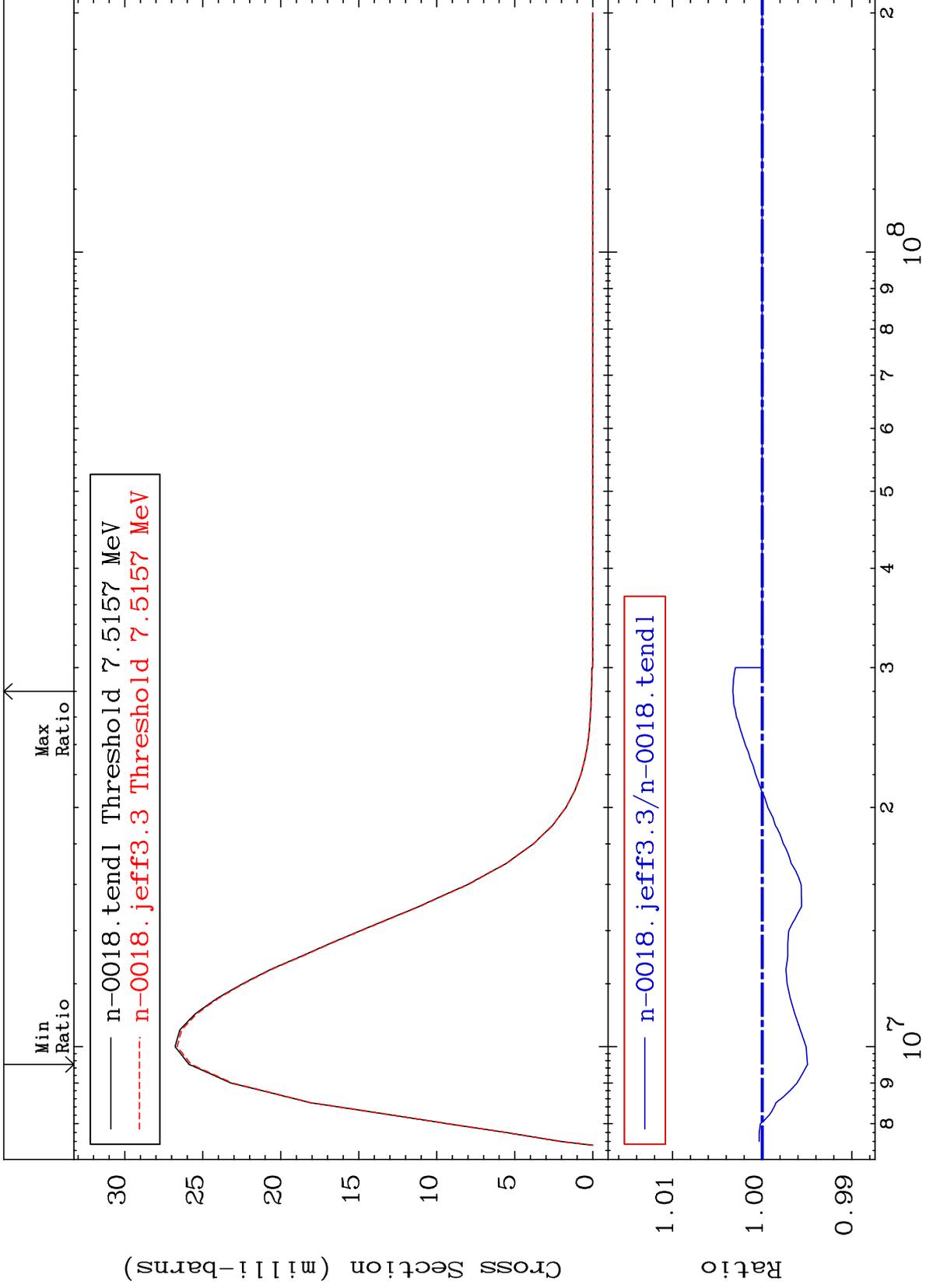
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.505 To 0.327 %



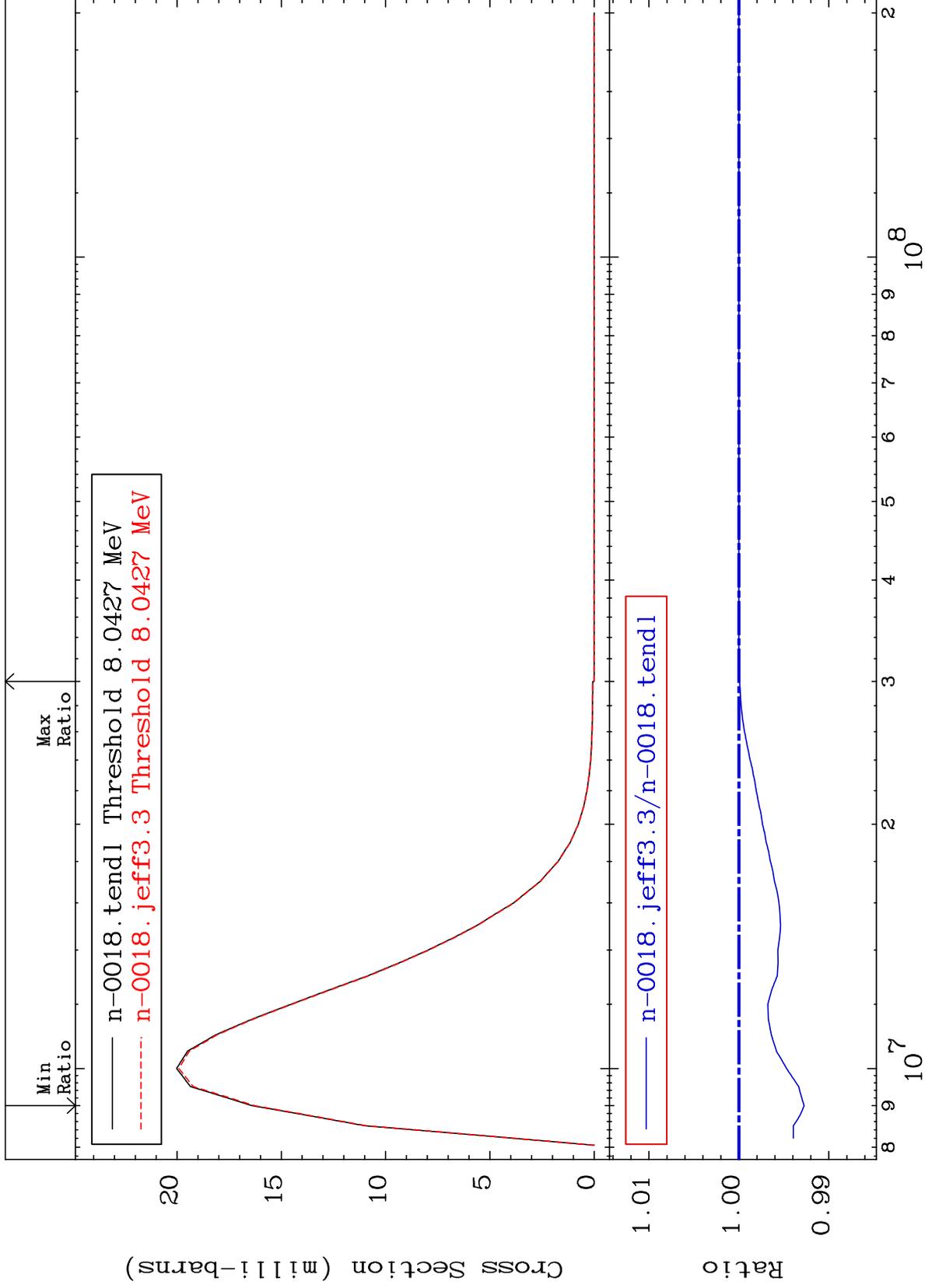
32

8-0 -18

MAT 831

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

8-0 -18  
-0.725 To 0.000 %



33

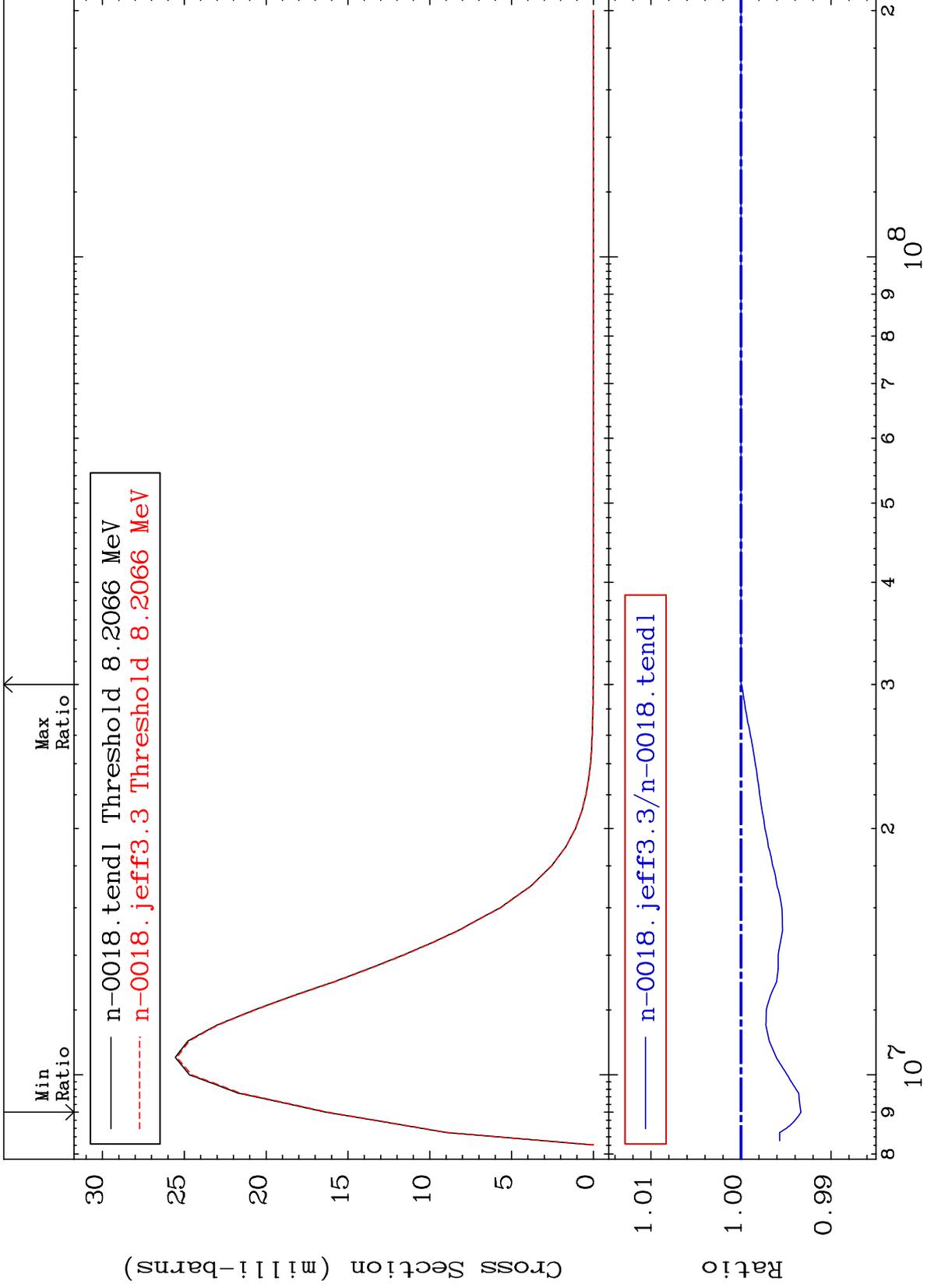
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.666 To 0.000 %



34

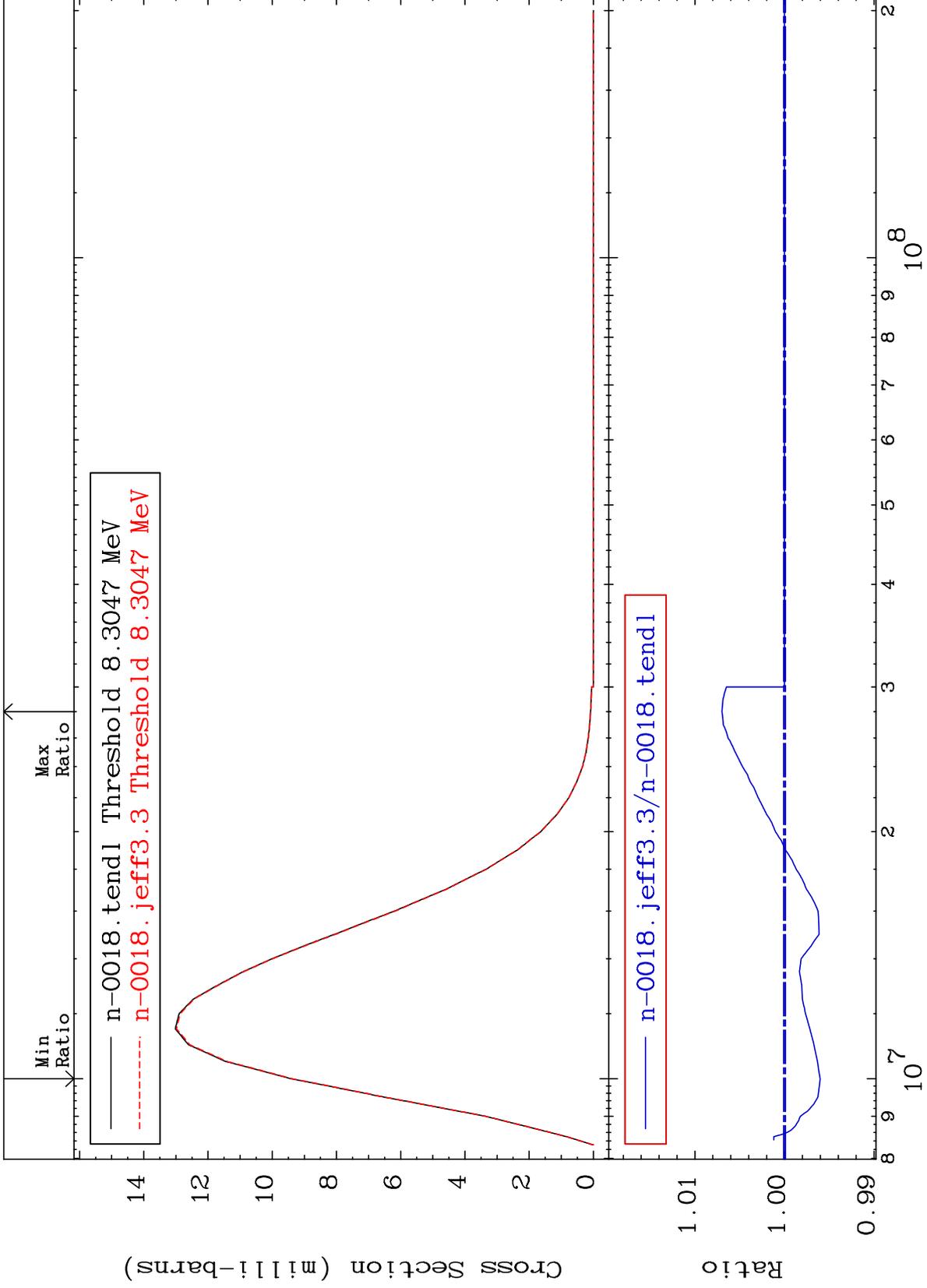
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.397 To 0.699 %



35

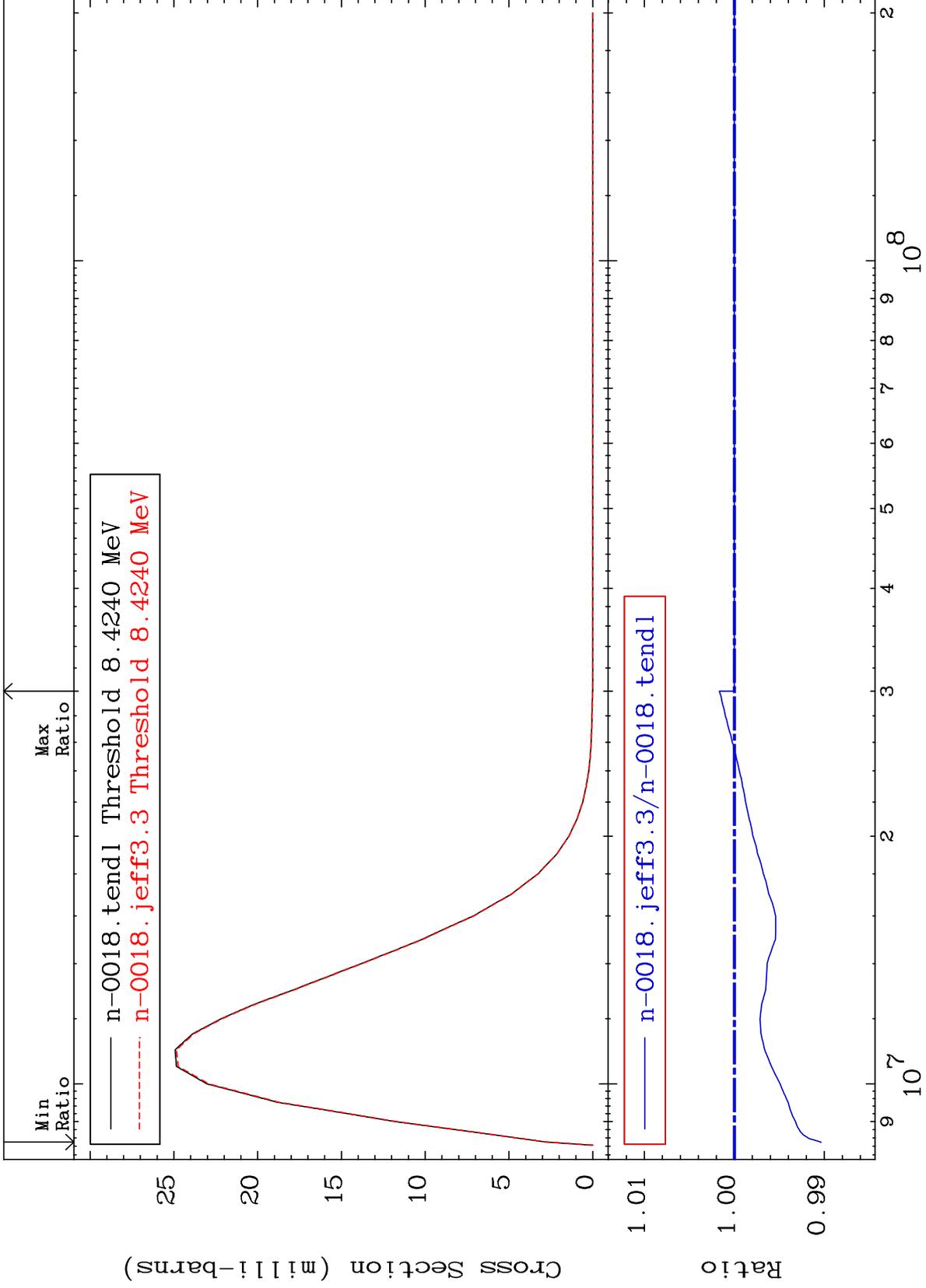
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.962 To 0.167 %



36

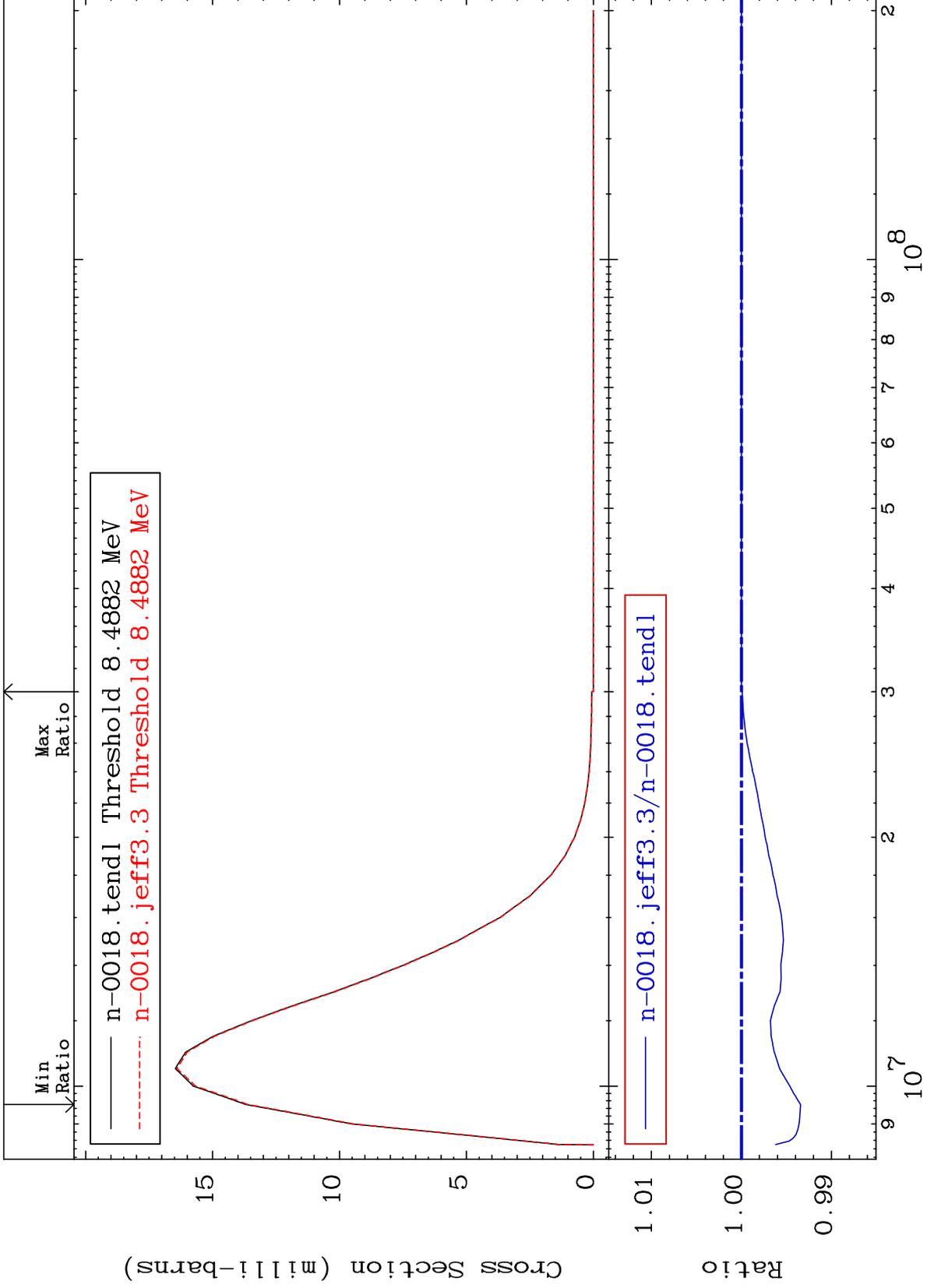
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.656 To 0.000 %



37

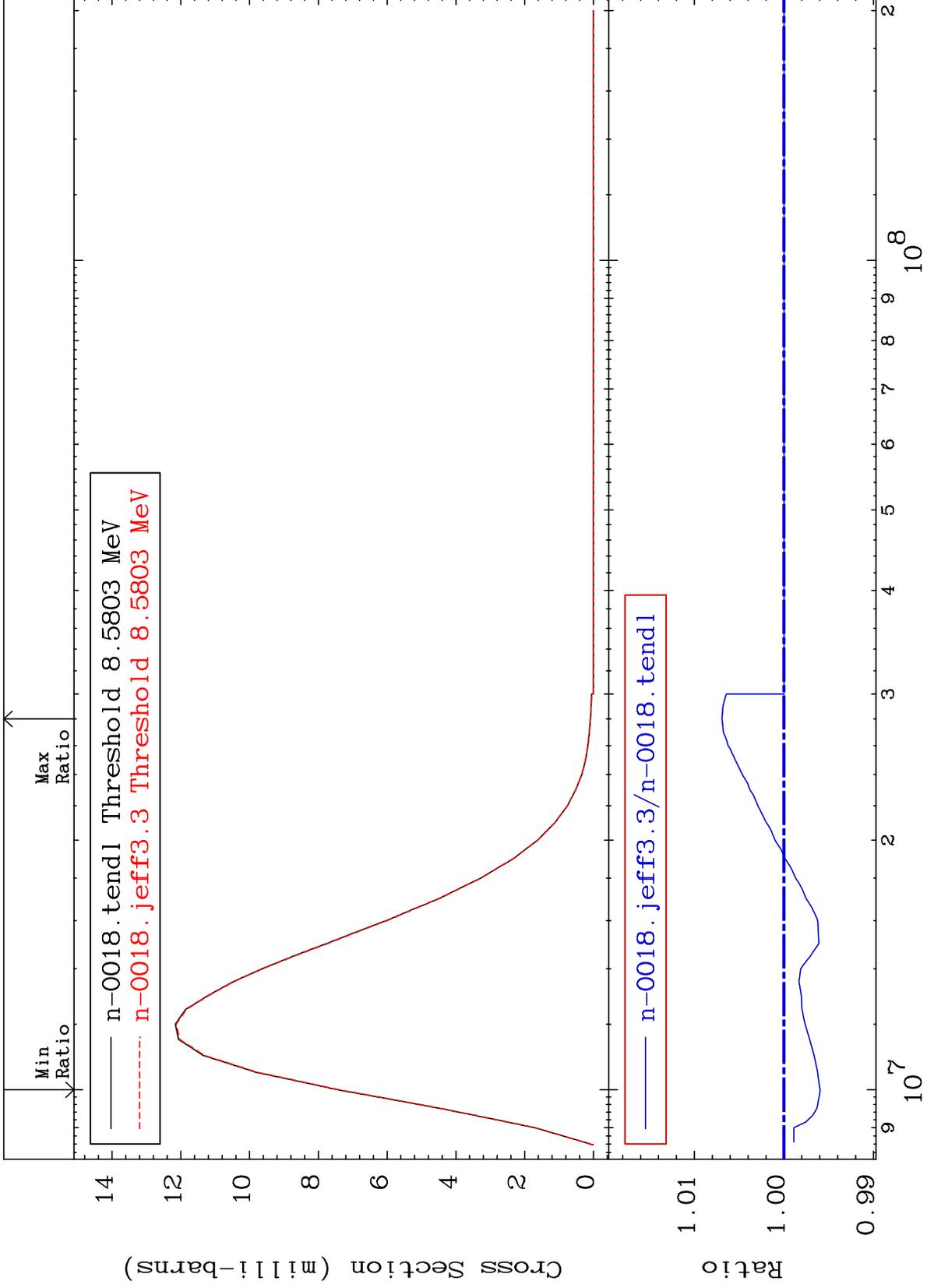
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.403 To 0.692 %



38

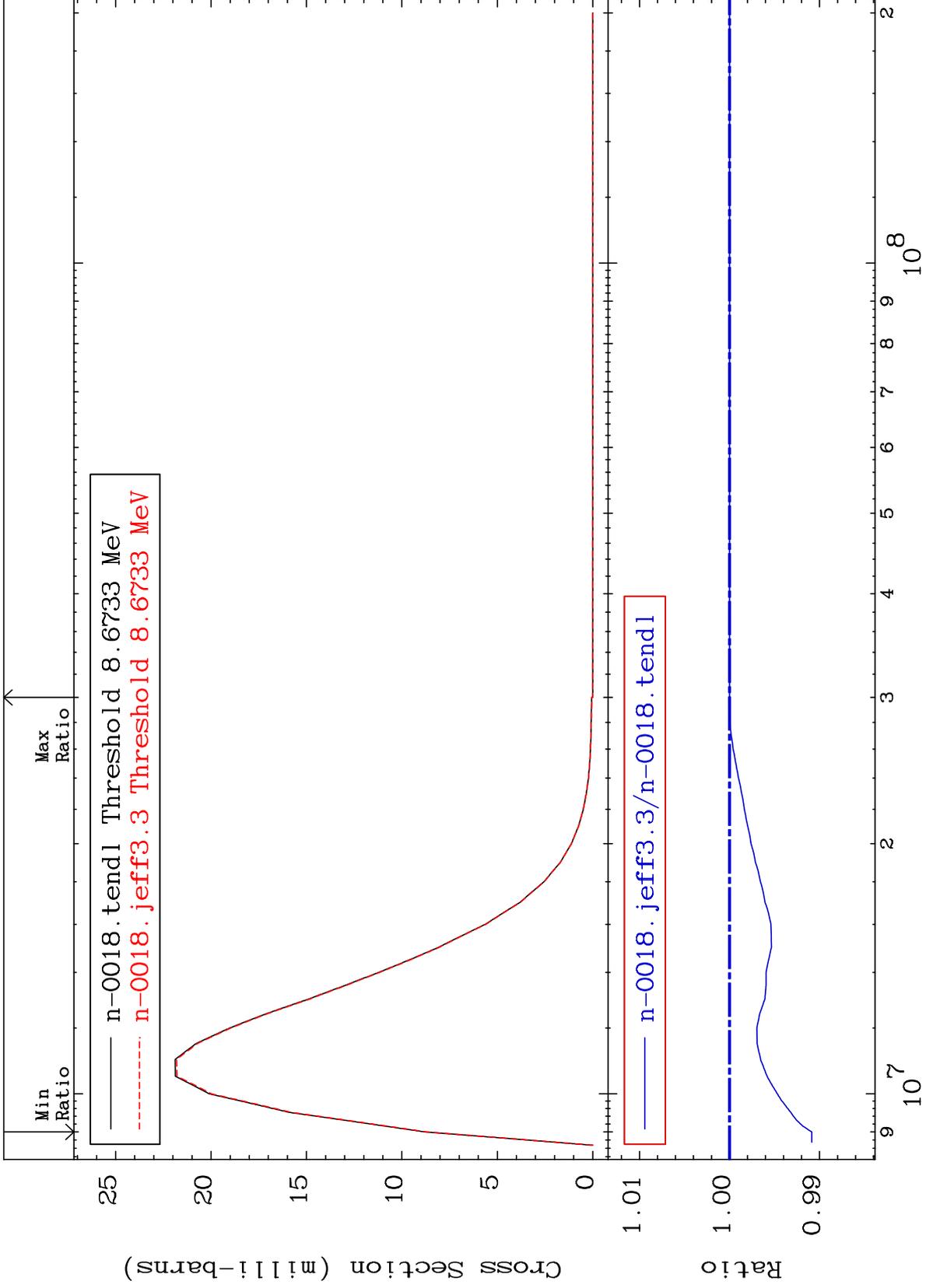
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.912 To 0.010 %



39

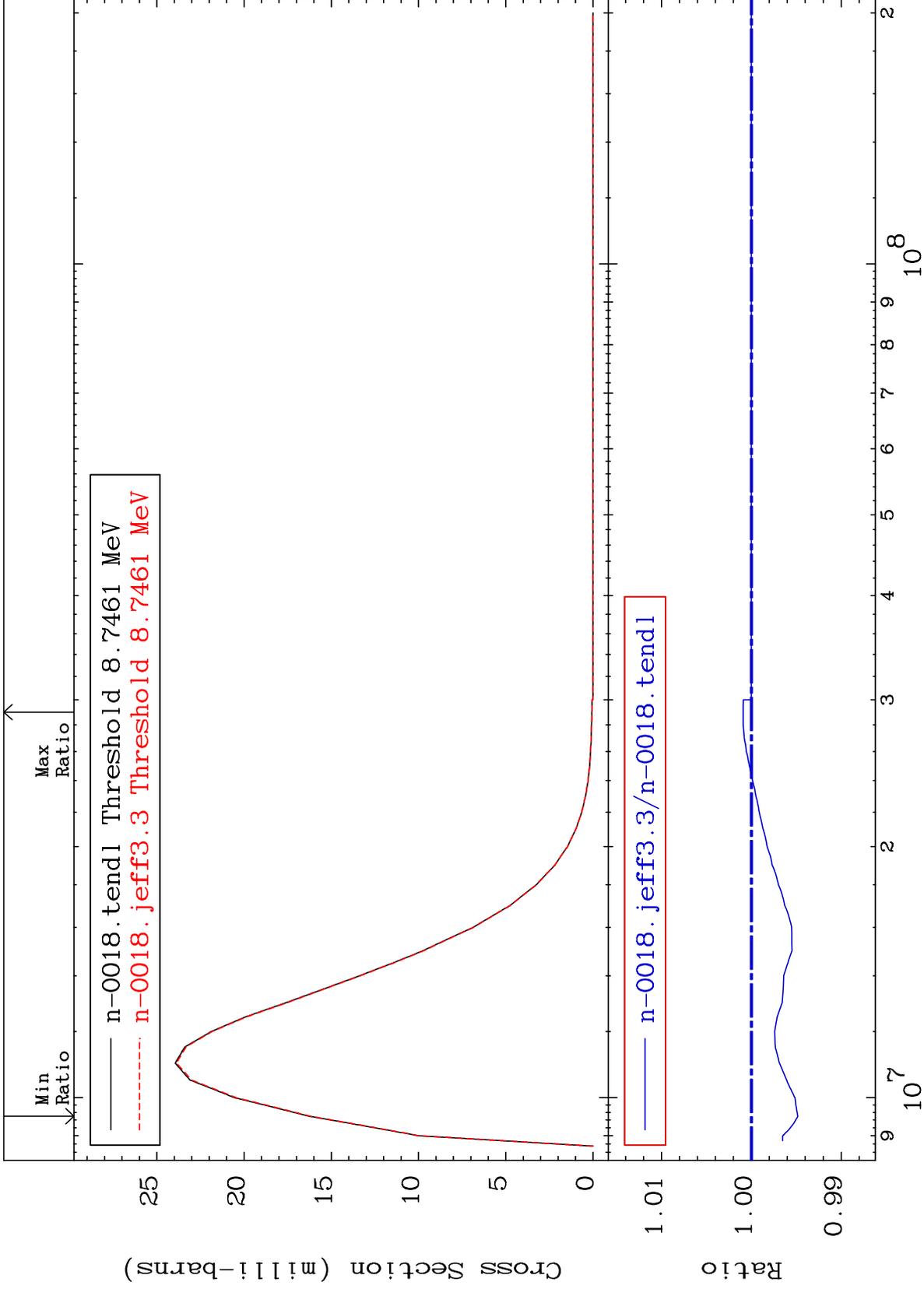
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.517 To 0.092 %



40

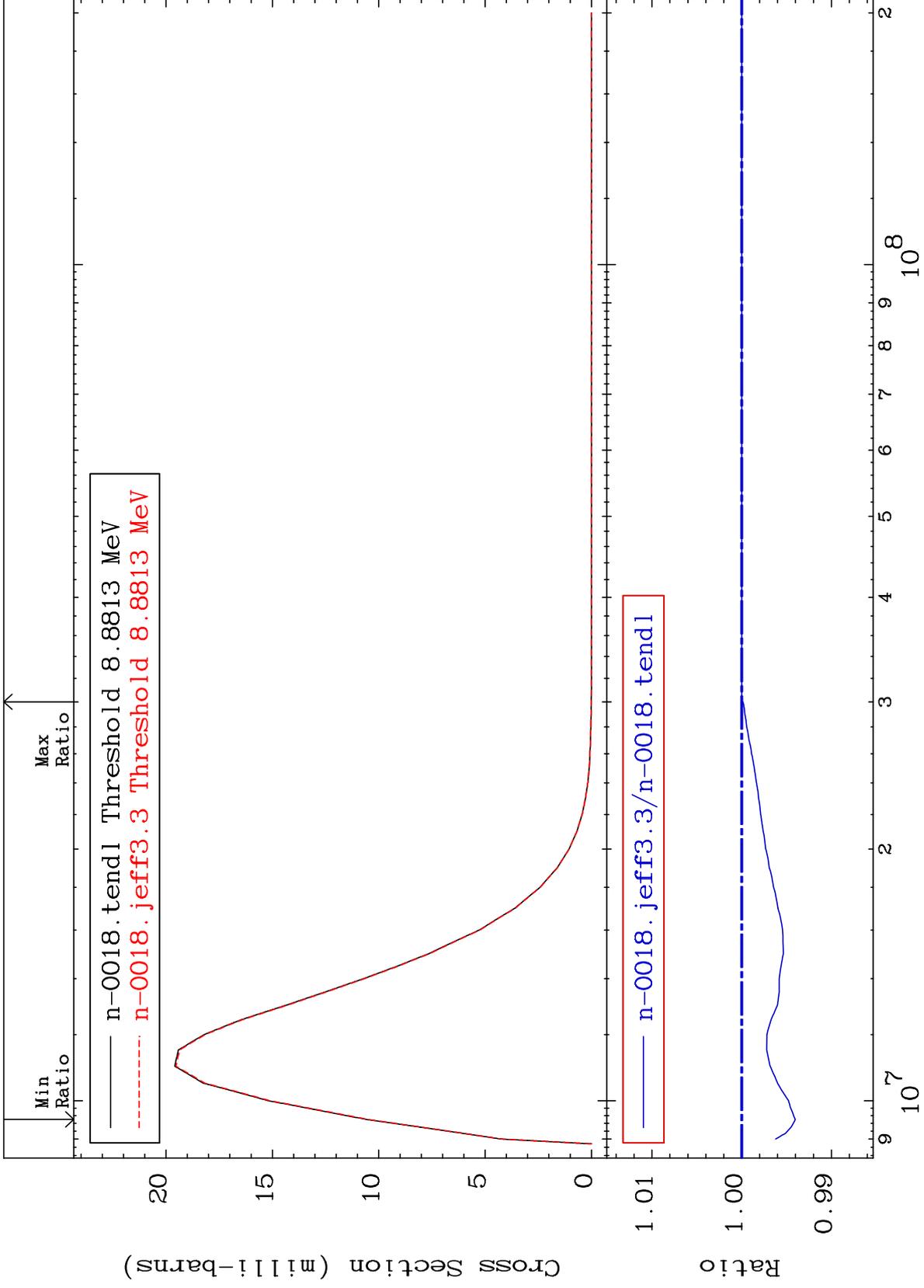
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.597 To 0.000 %



41

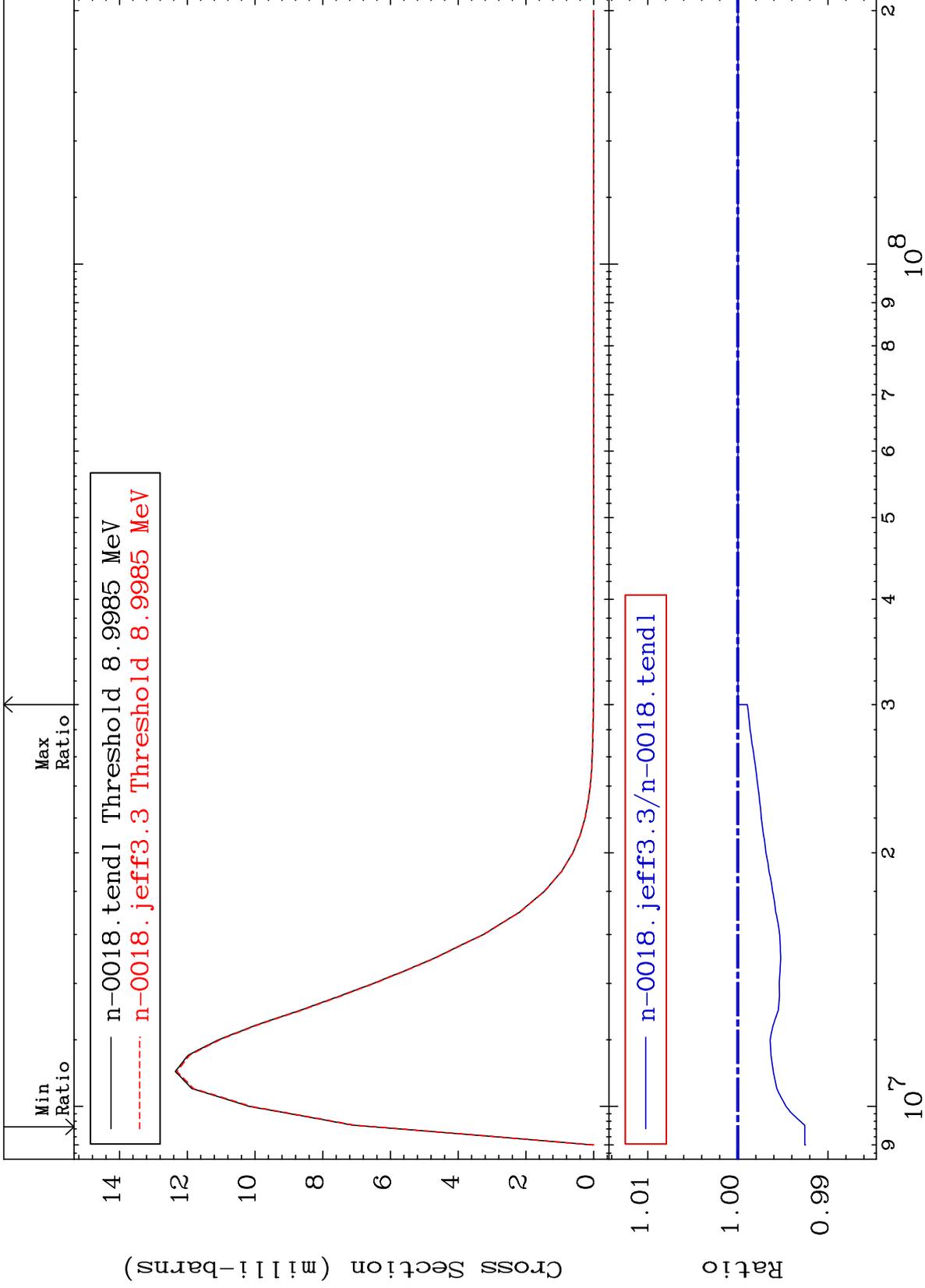
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.743 To 0.000 %



42

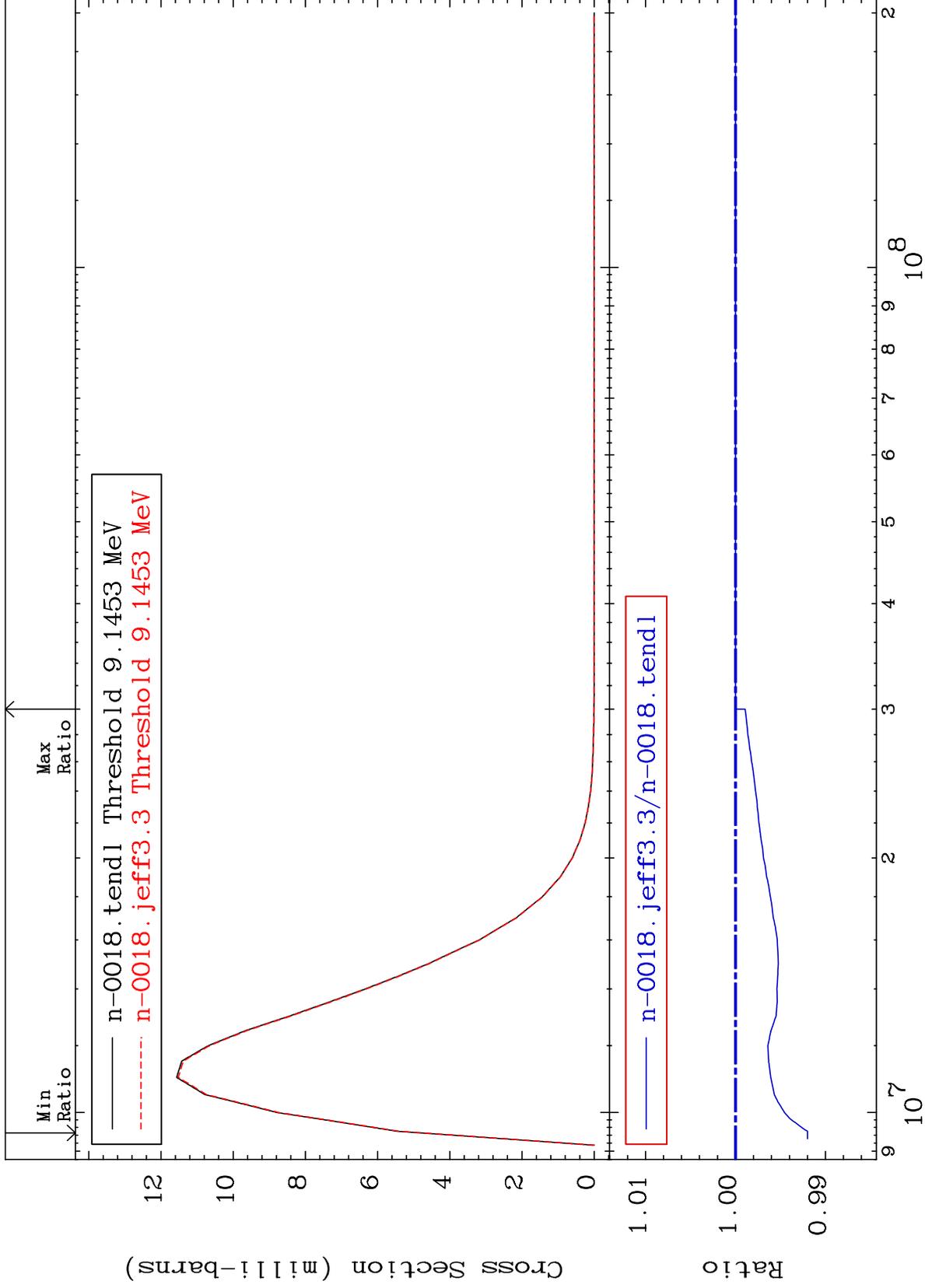
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.801 To 0.000 %



43

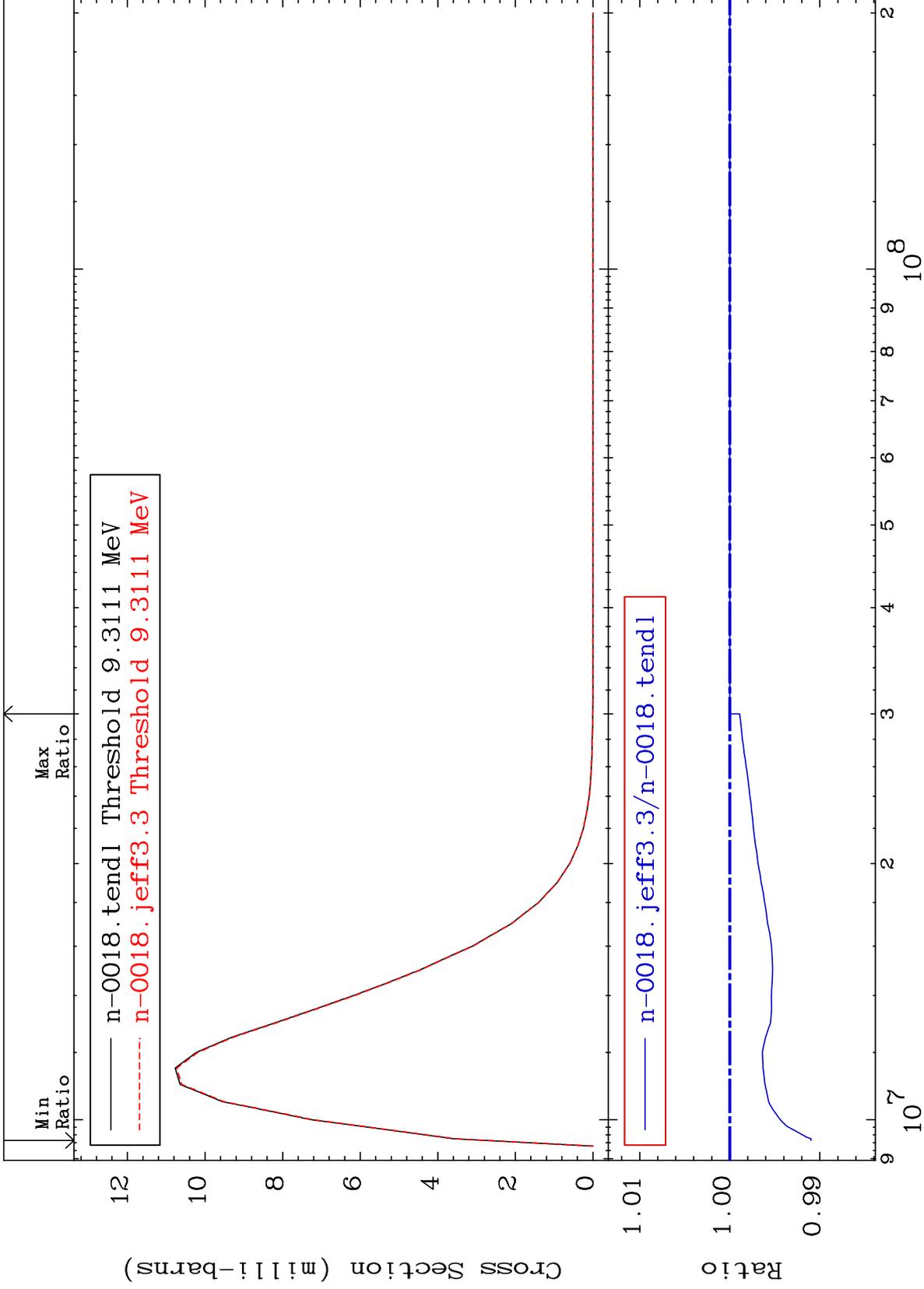
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.903 To 0.000 %



44

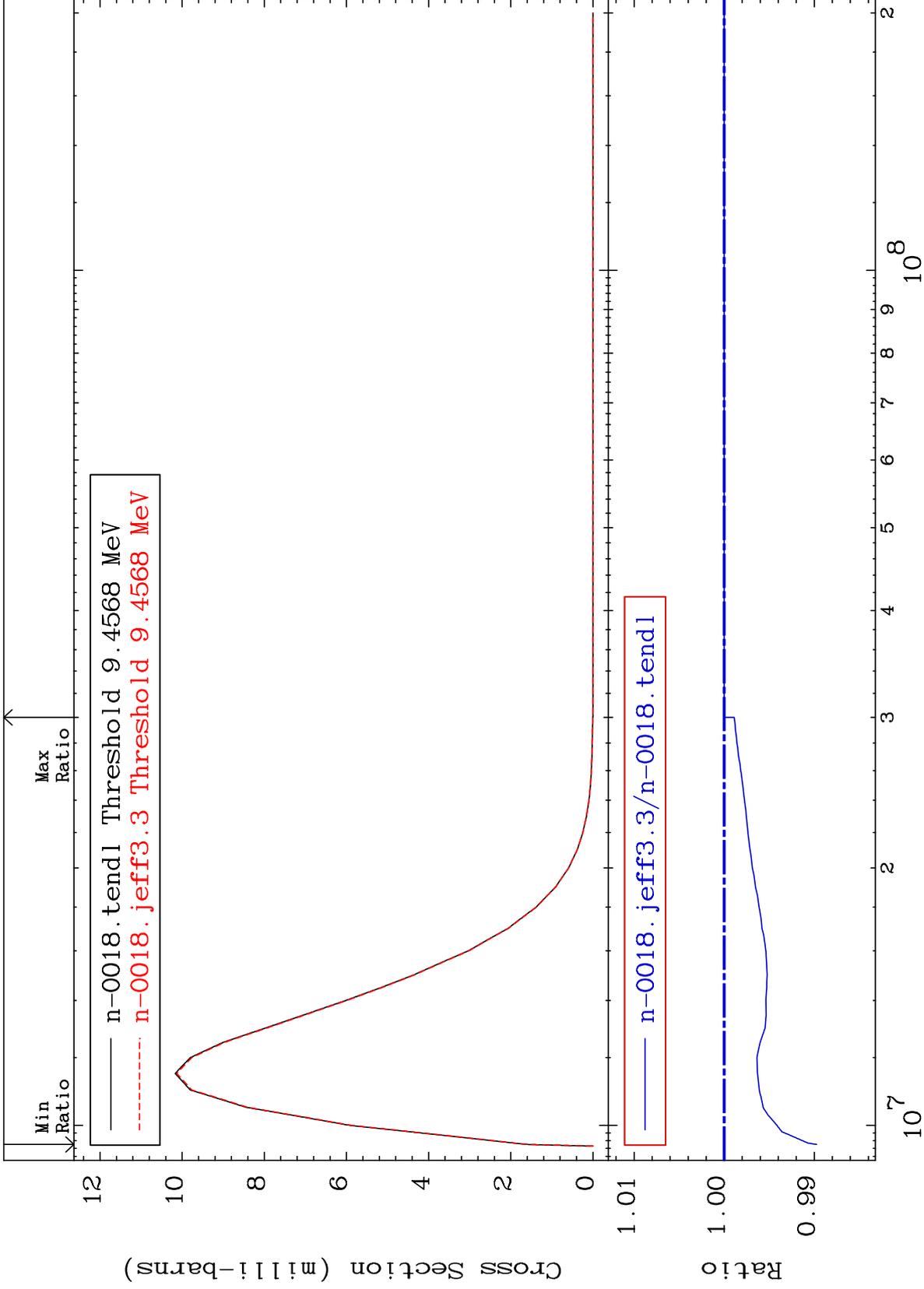
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-1.026 To 0.000 %



45

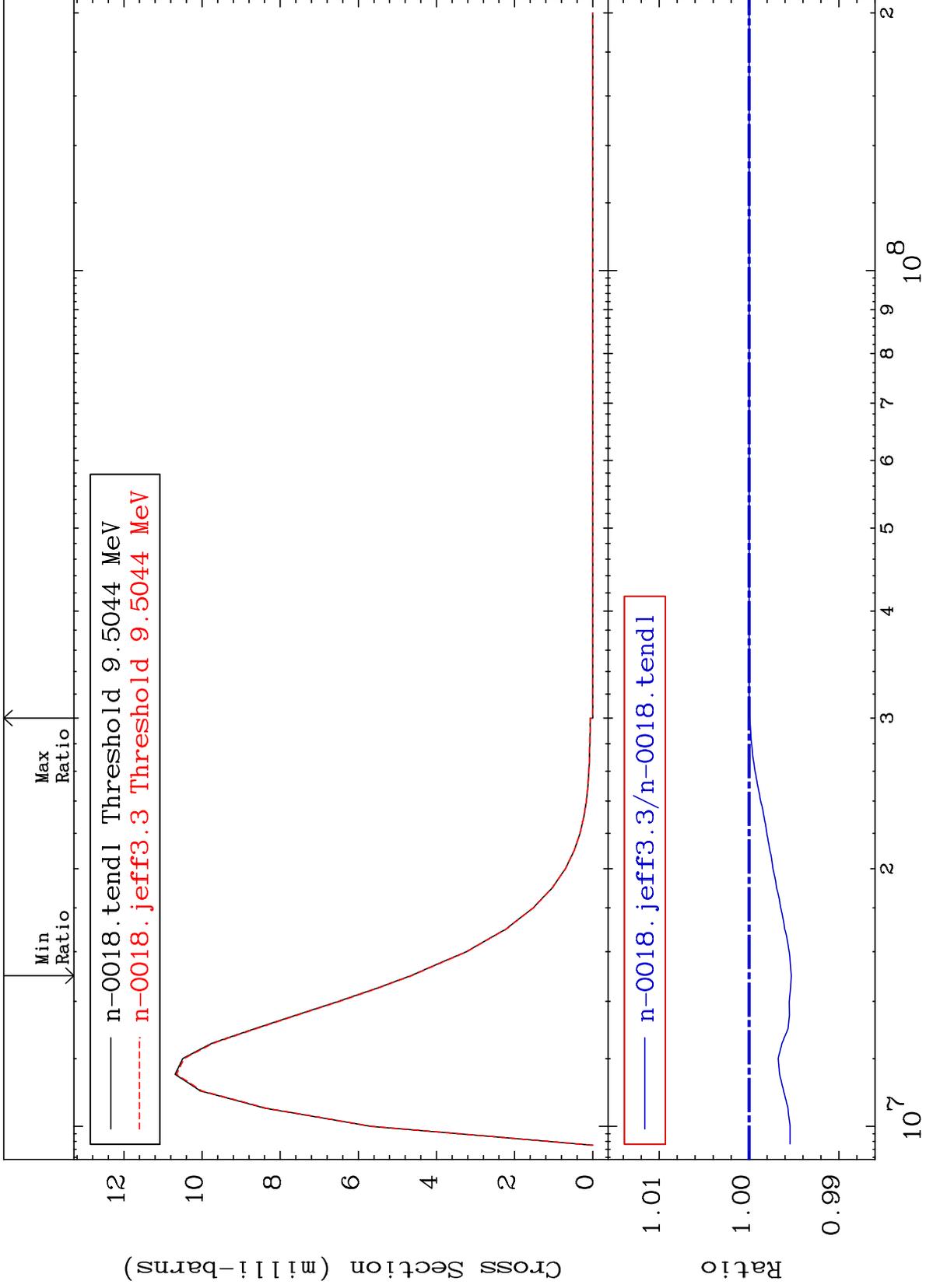
Incident Energy (eV)

8-0 -18

MAT 831

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

8-0 -18  
-0.469 To 0.000 %



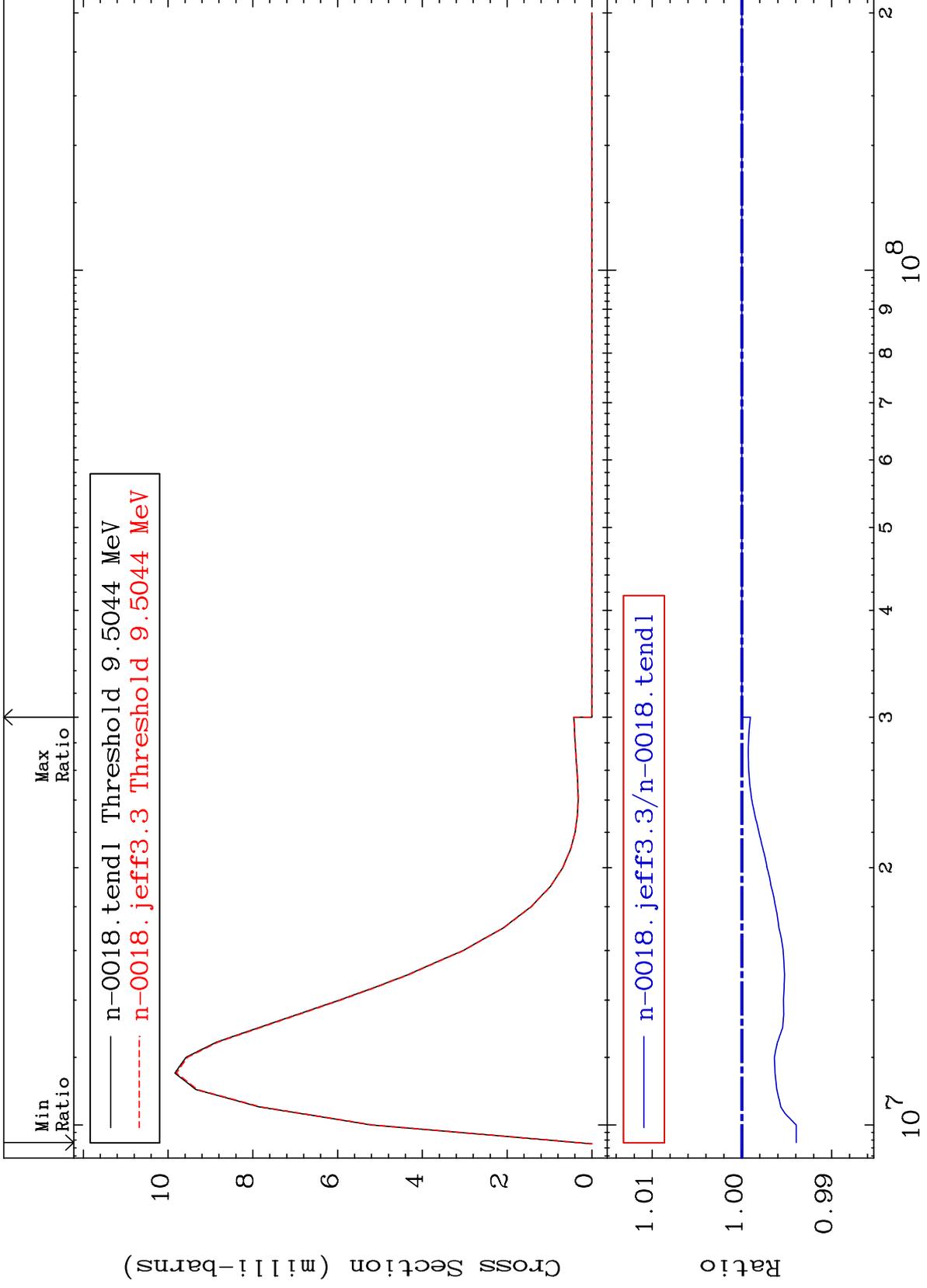
46

8-0 -18

MAT 831

(n,n') Continuum  
Cross Section

8-0 -18  
-0.605 To 0.000 %



47

Incident Energy (eV)

8-0 -18

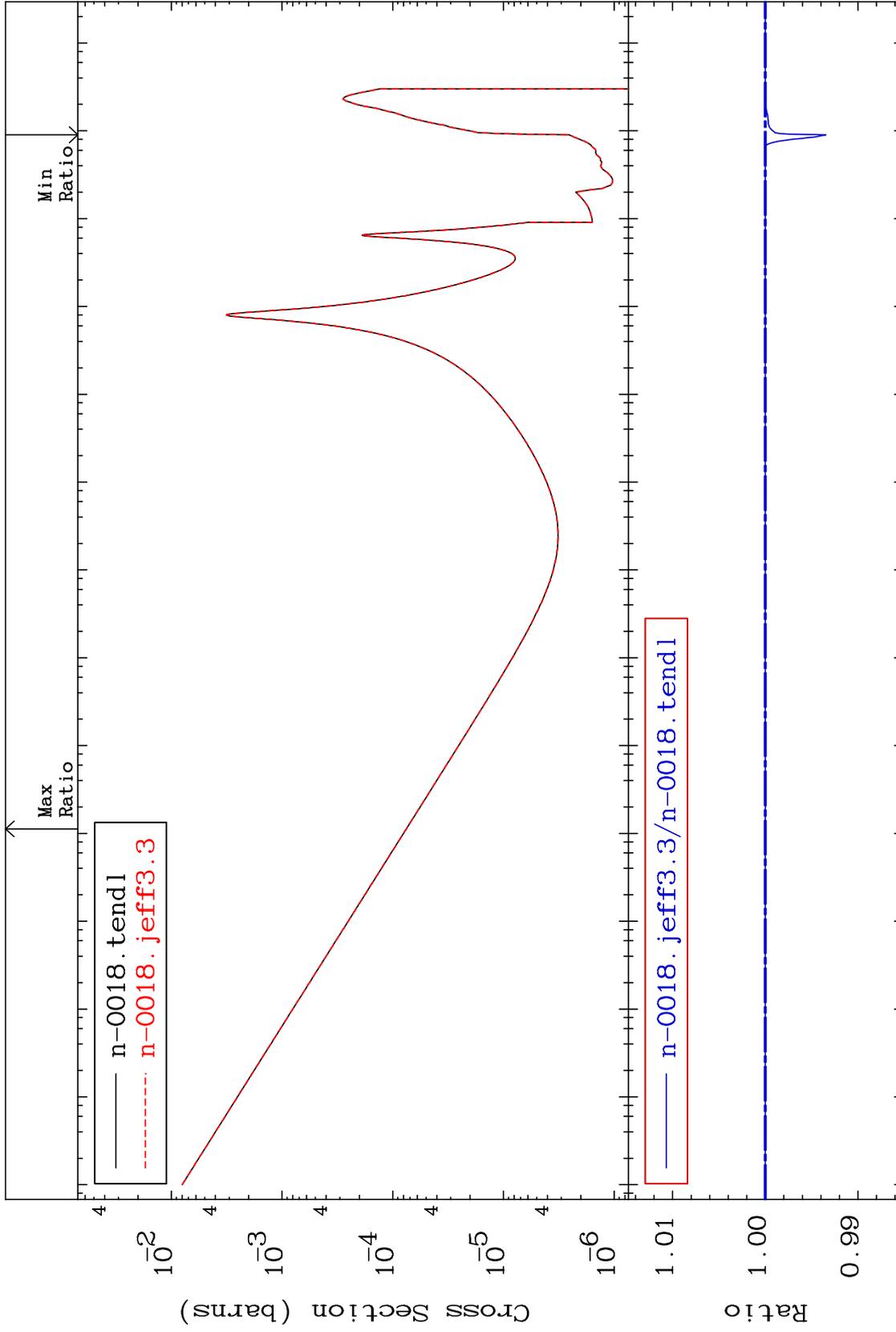
MAT 831

(n,  $\gamma$ )

8-0 -18

Cross Section

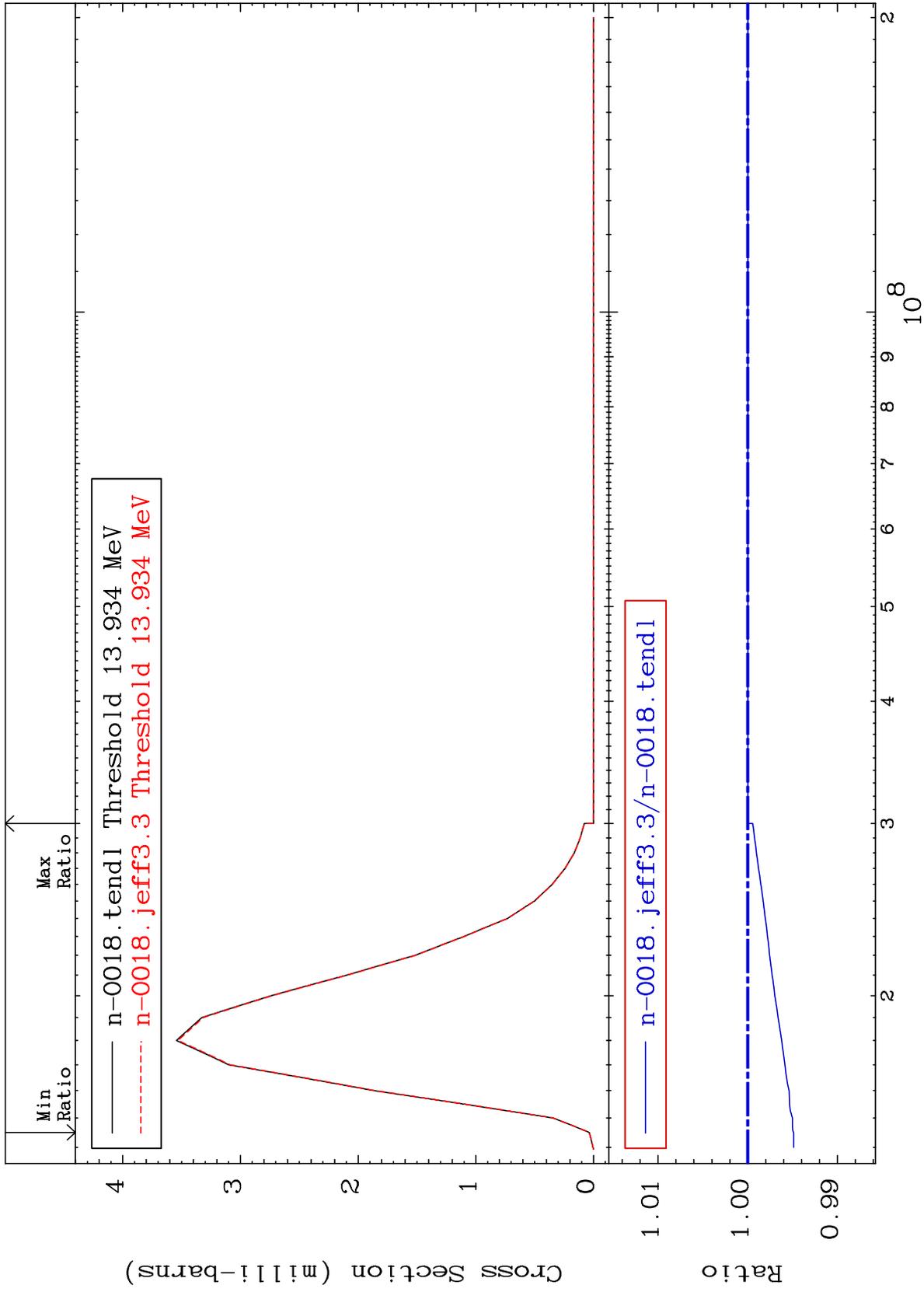
-0.654 To 0.002 %



48

Incident Energy (eV)

8-0 -18



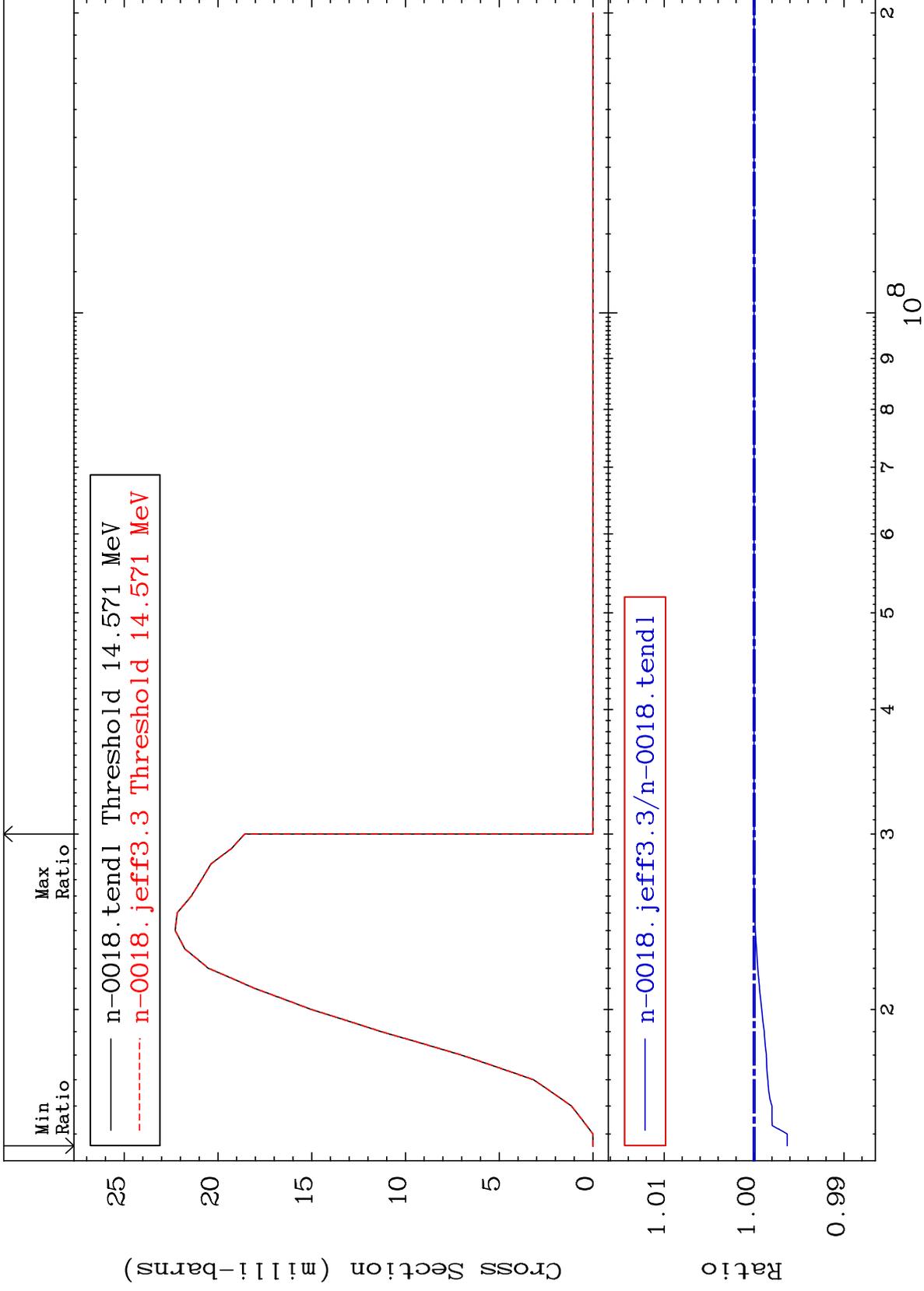
MAT 831

(n, d)

8-0 -18

Cross Section

-0.370 To 0.006 %



50

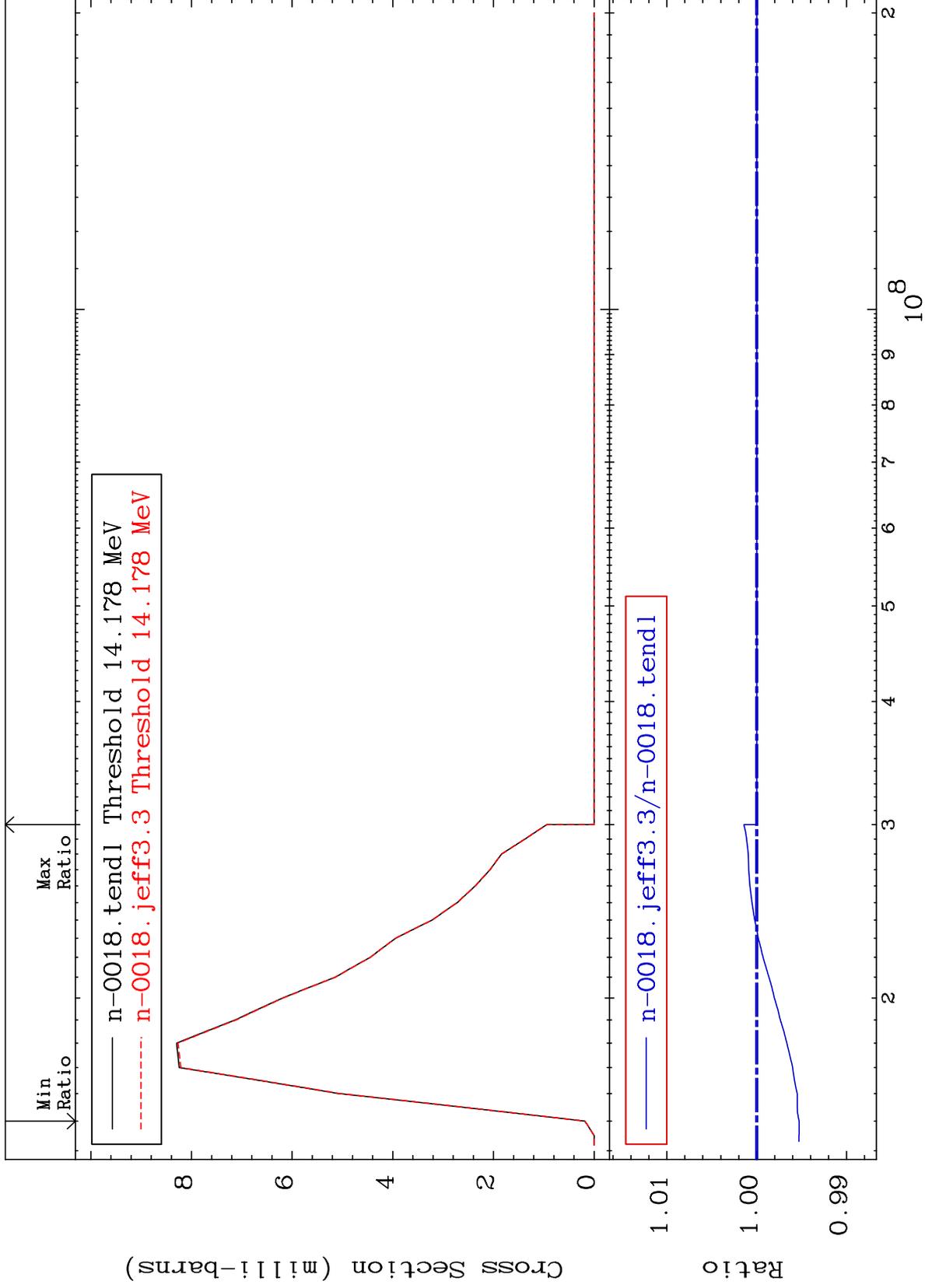
Incident Energy (eV)

8-0 -18

MAT 831

(n, t)  
Cross Section

8-0 -18  
-0.473 To 0.143 %



51

Incident Energy (eV)

8-0 -18

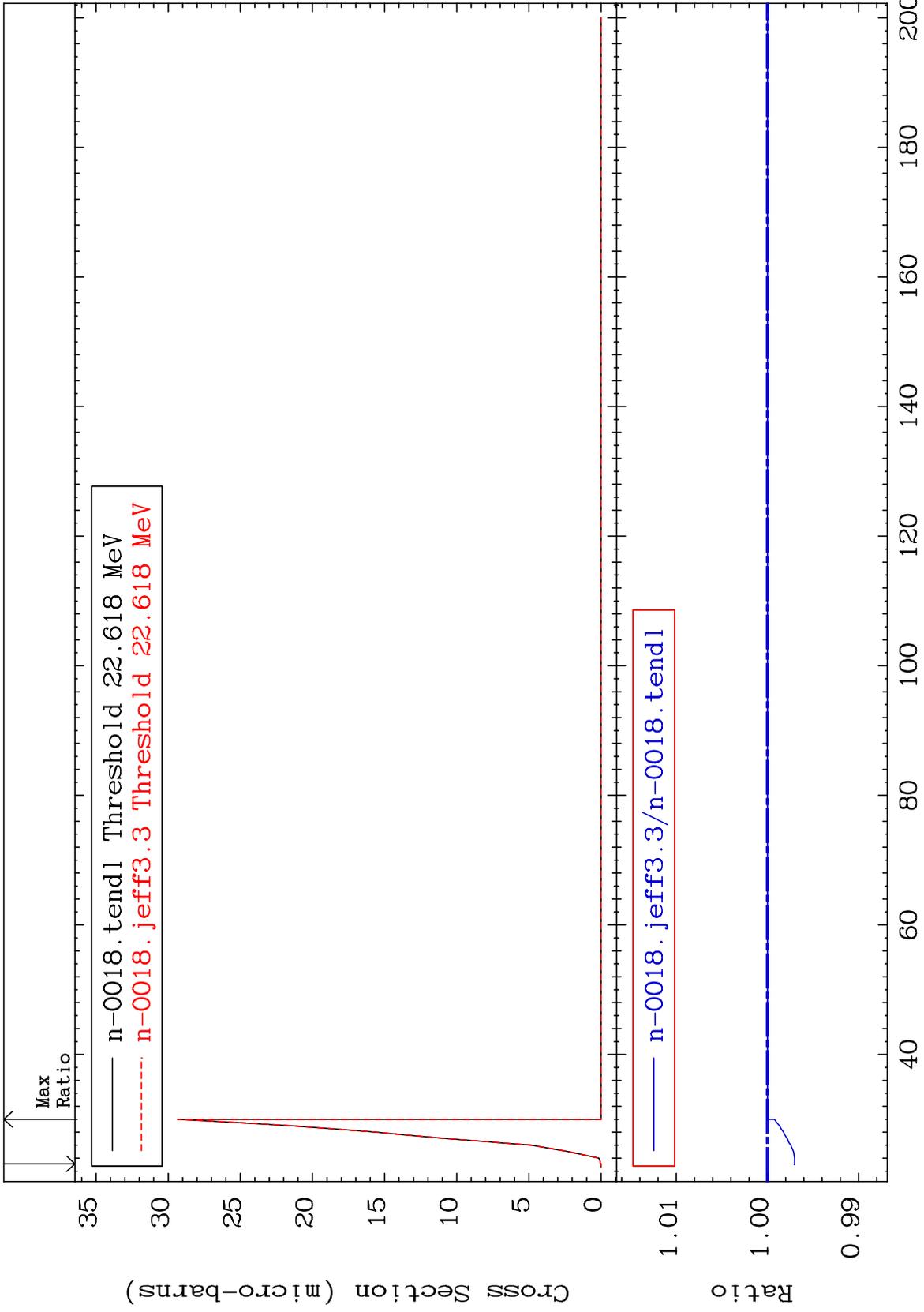
MAT 831

(n, He-3)

8-0 -18

Cross Section

-0.298 To 0.000 %



52

Incident Energy (MeV)

8-0 -18

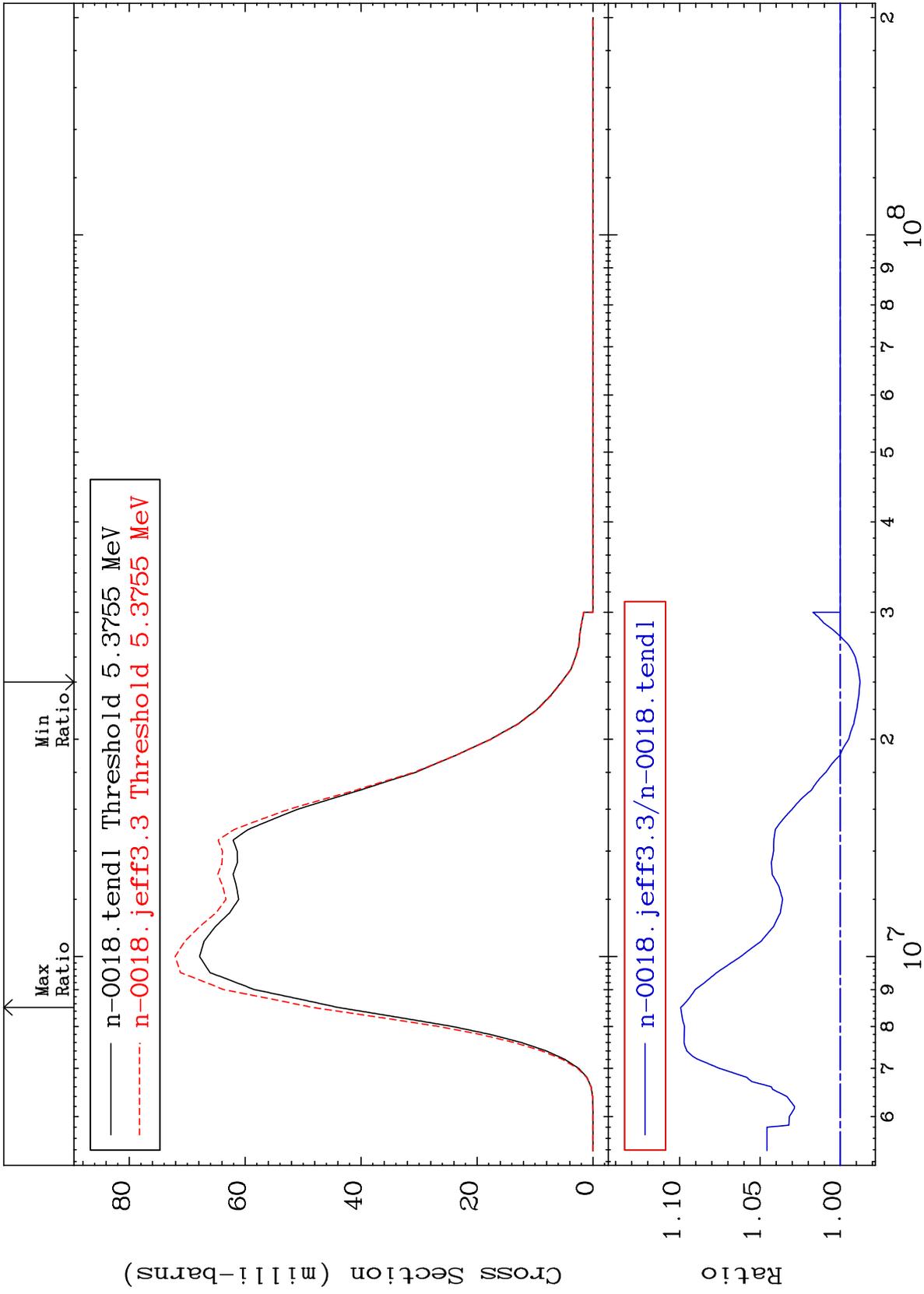
MAT 831

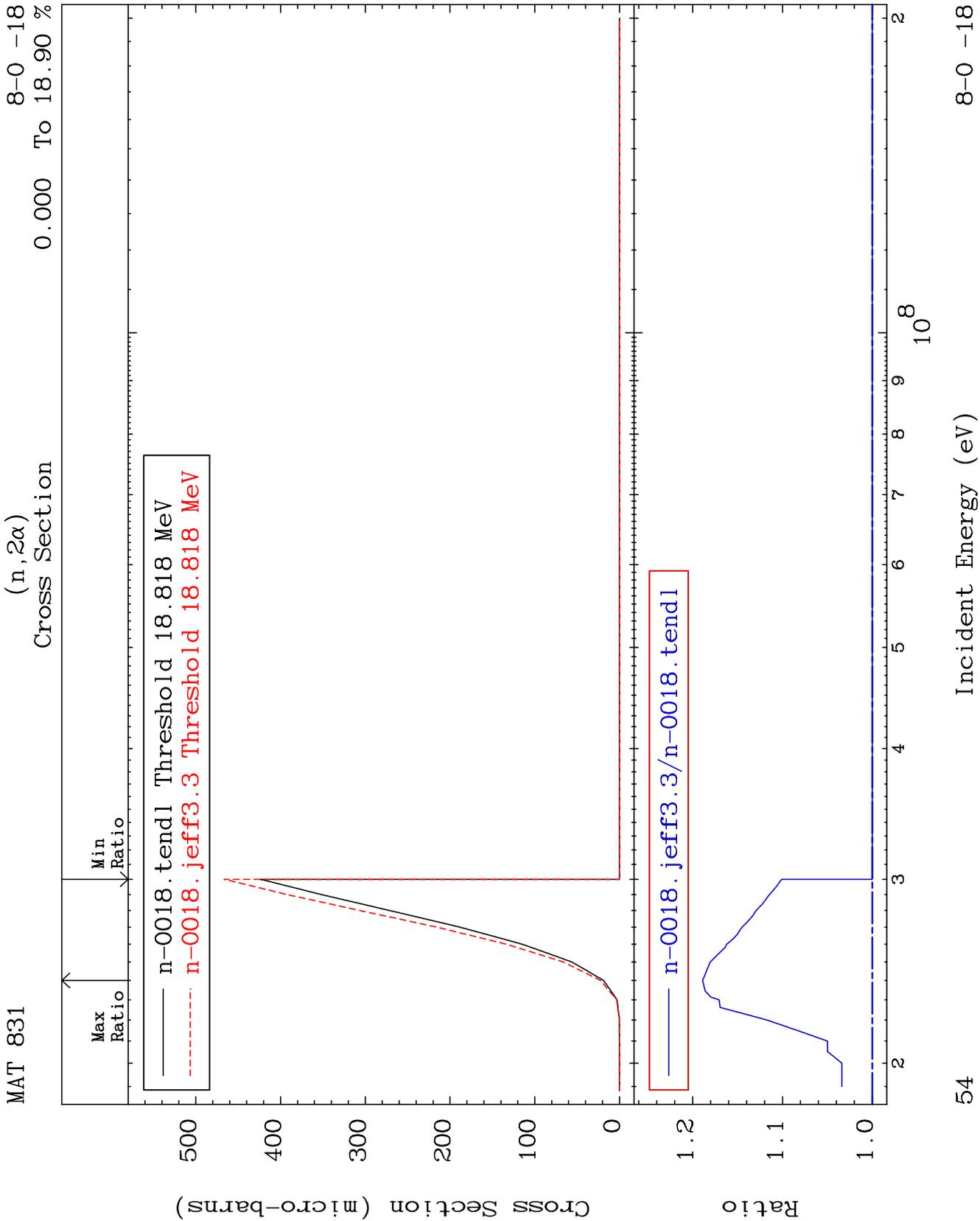
(n,  $\alpha$ )

8-0 -18

Cross Section

-1.229 To 9.938 %



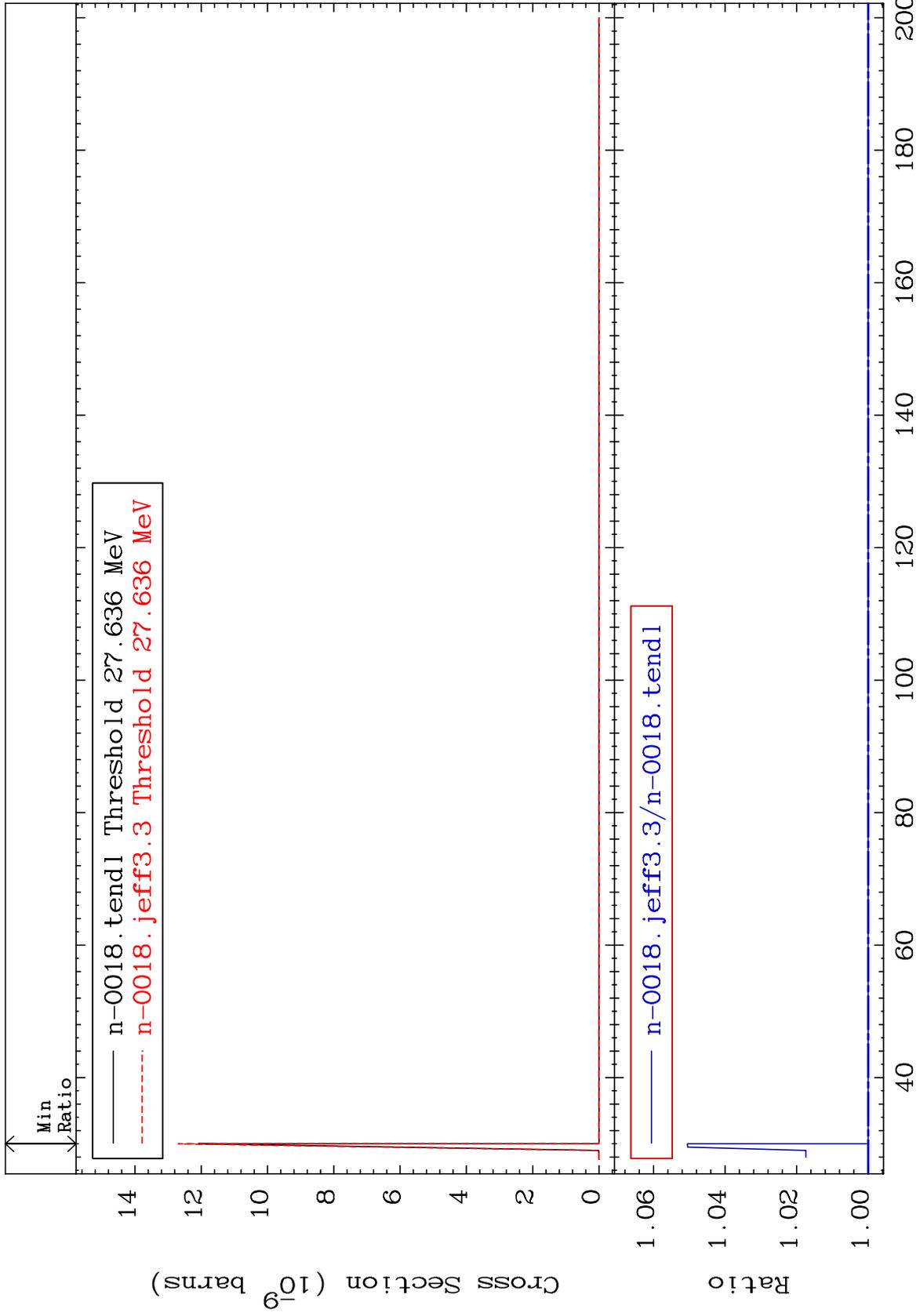


MAT 831

(n,p)  $\alpha$   
Cross Section

8-0 -18

0.000 To 5.052 %



55

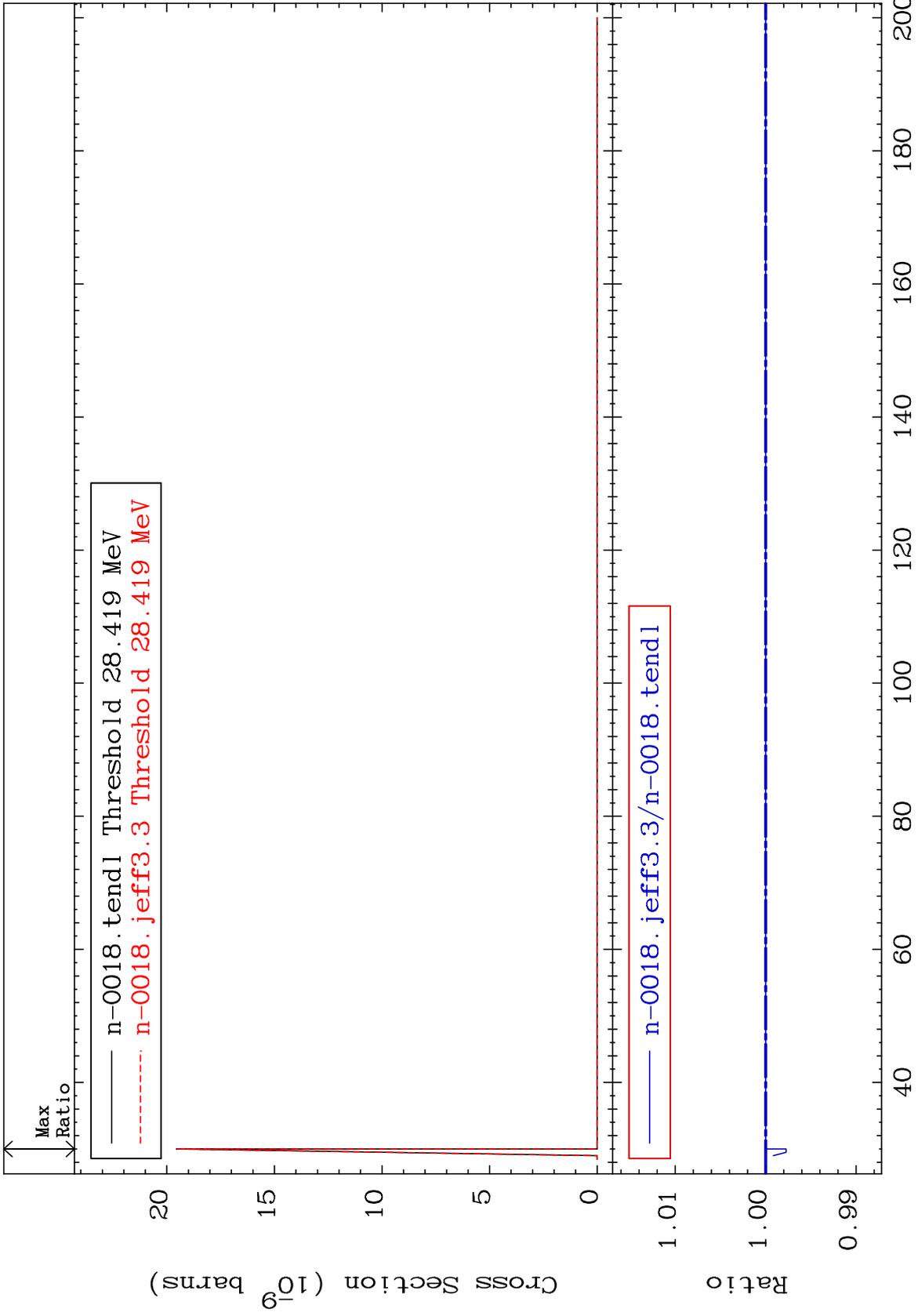
Incident Energy (MeV)

8-0 -18

MAT 831

(n,p) d  
Cross Section

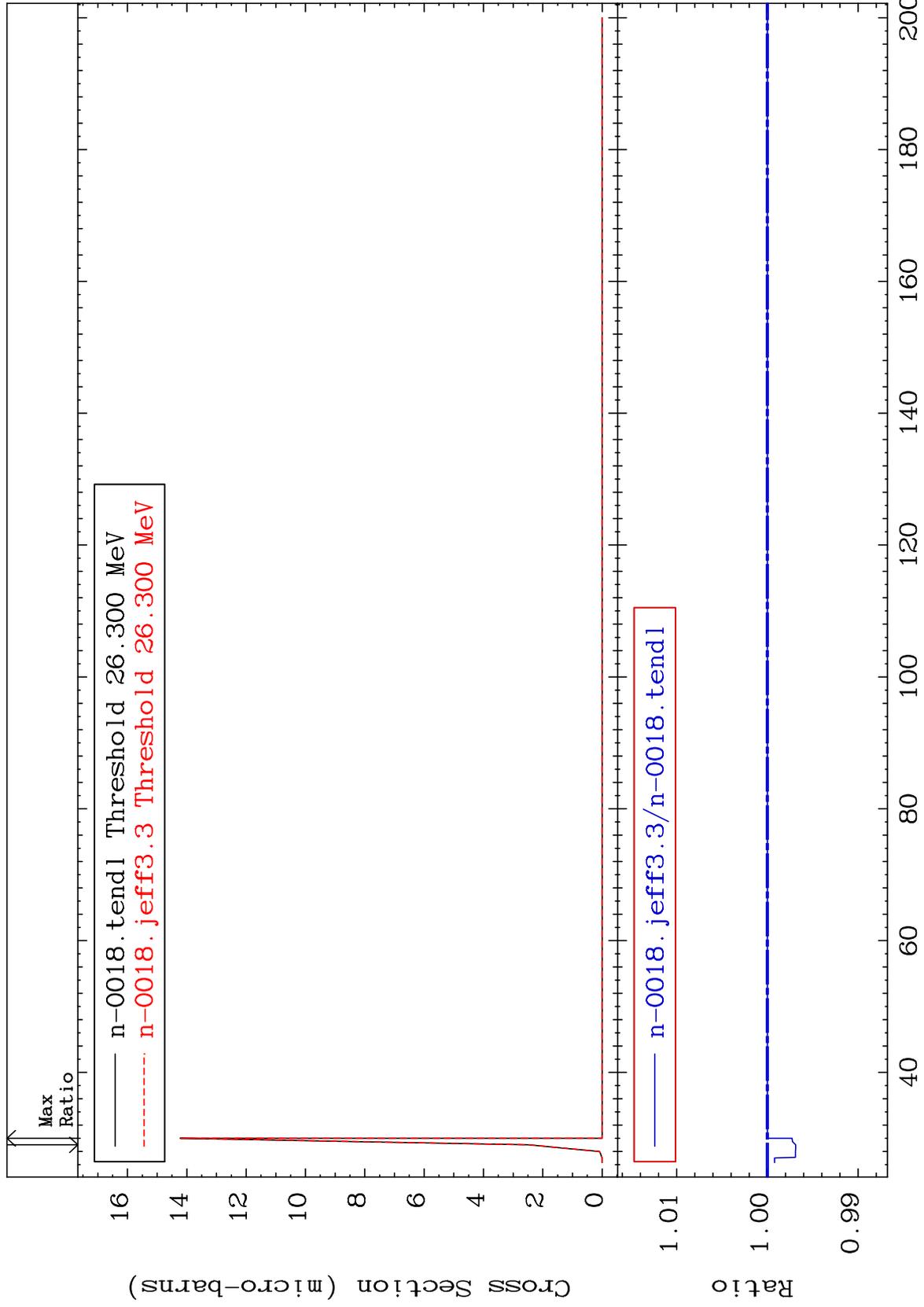
8-0 -18  
-0.227 To 0.000 %



MAT 831

(n,p) t  
Cross Section

8-0 -18  
-0.311 To 0.000 %

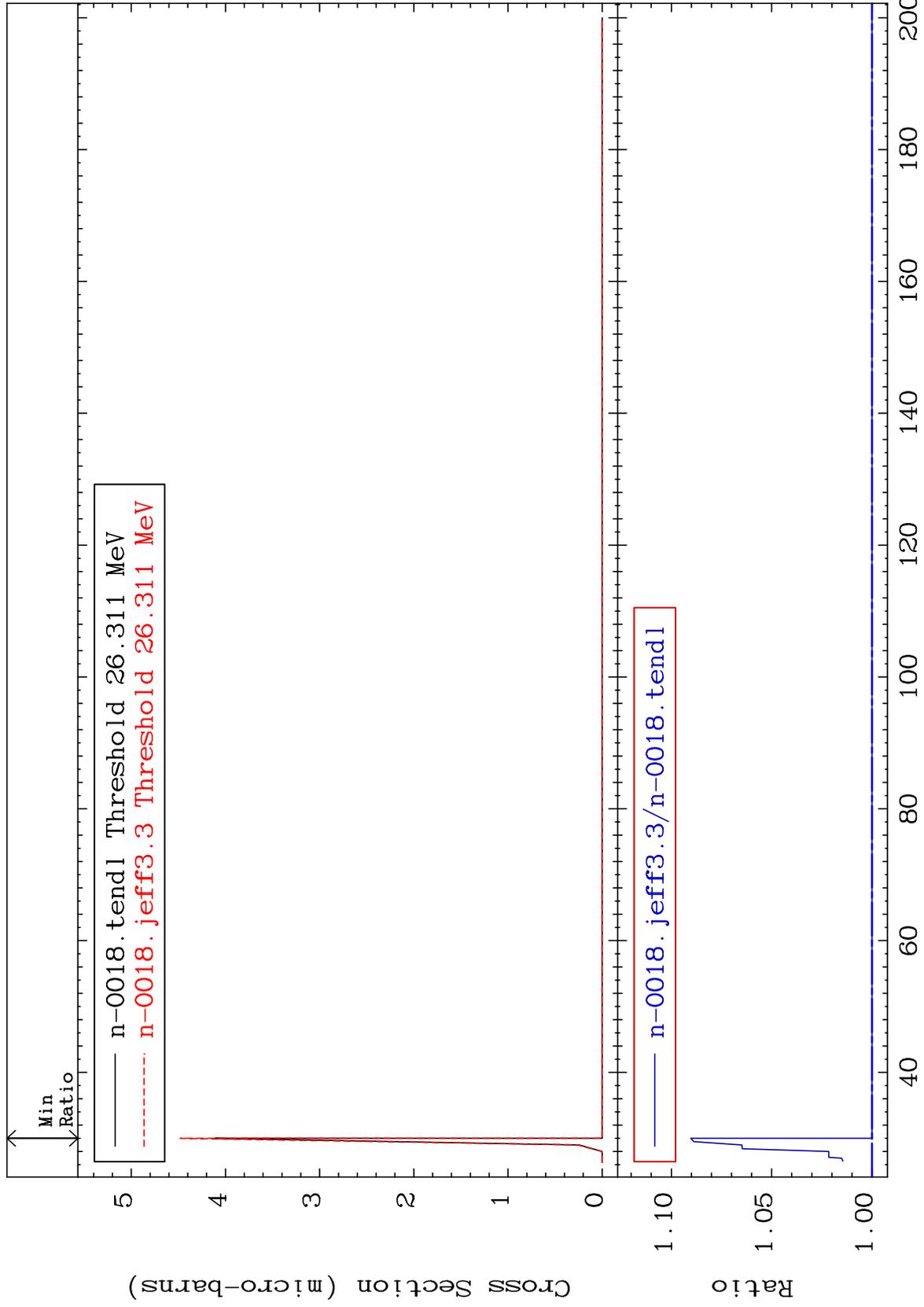


MAT 831

(n,d)  $\alpha$   
Cross Section

8-0 -18

0.000 To 9.026 %



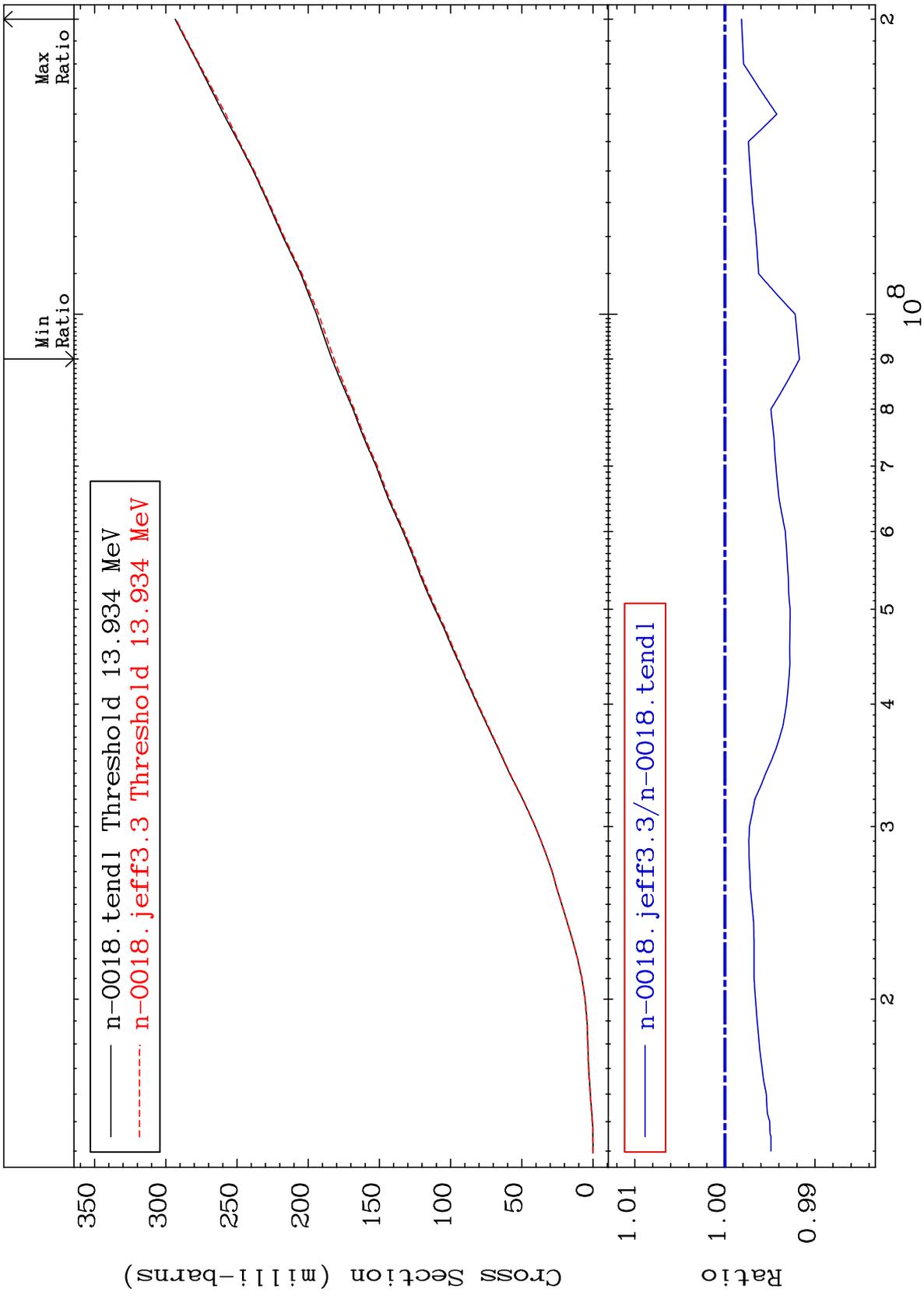
58

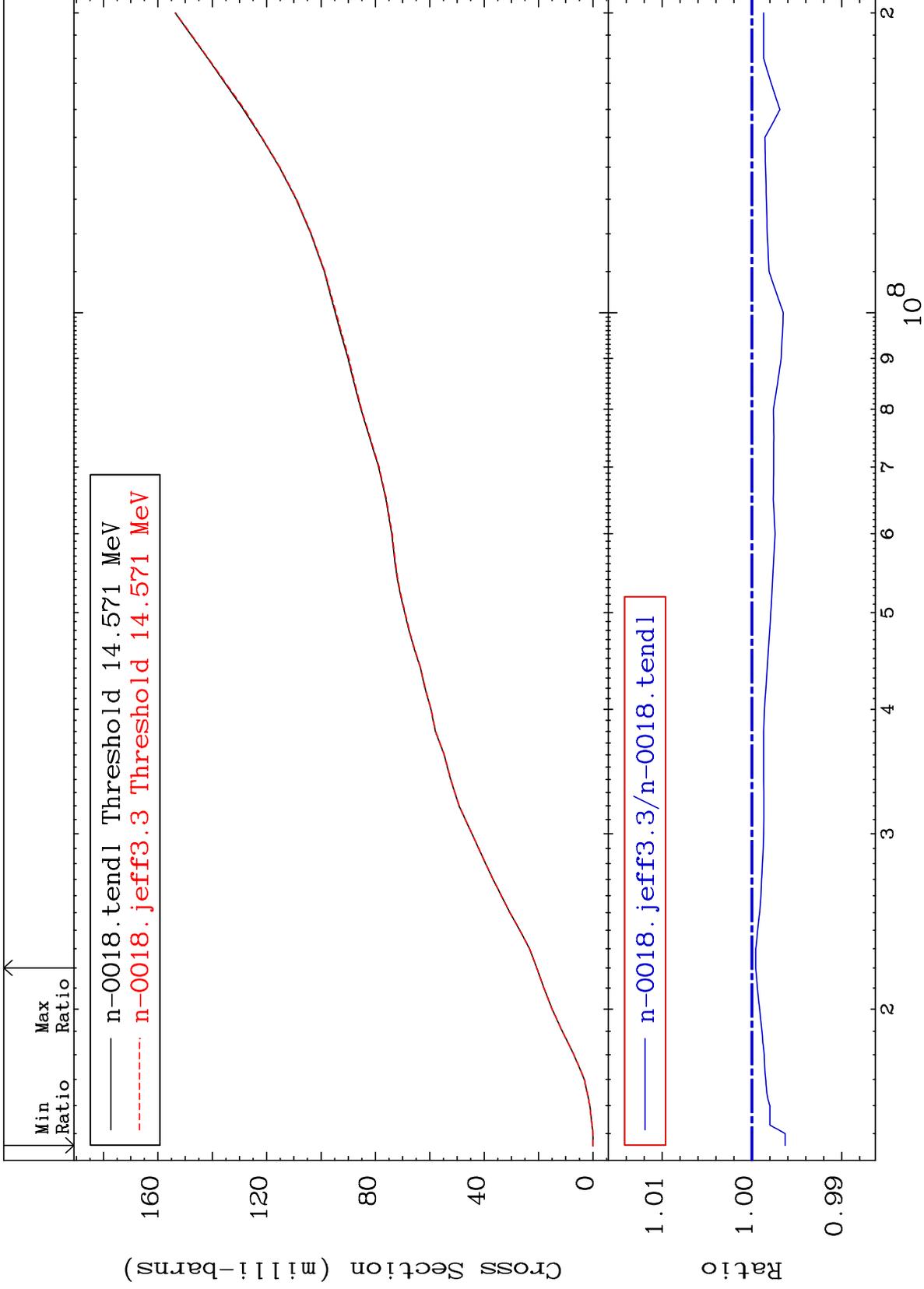
Incident Energy (MeV)

8-0 -18

Hydrogen Production  
Cross Section

8-0 -18  
-0.828 To -0.183%

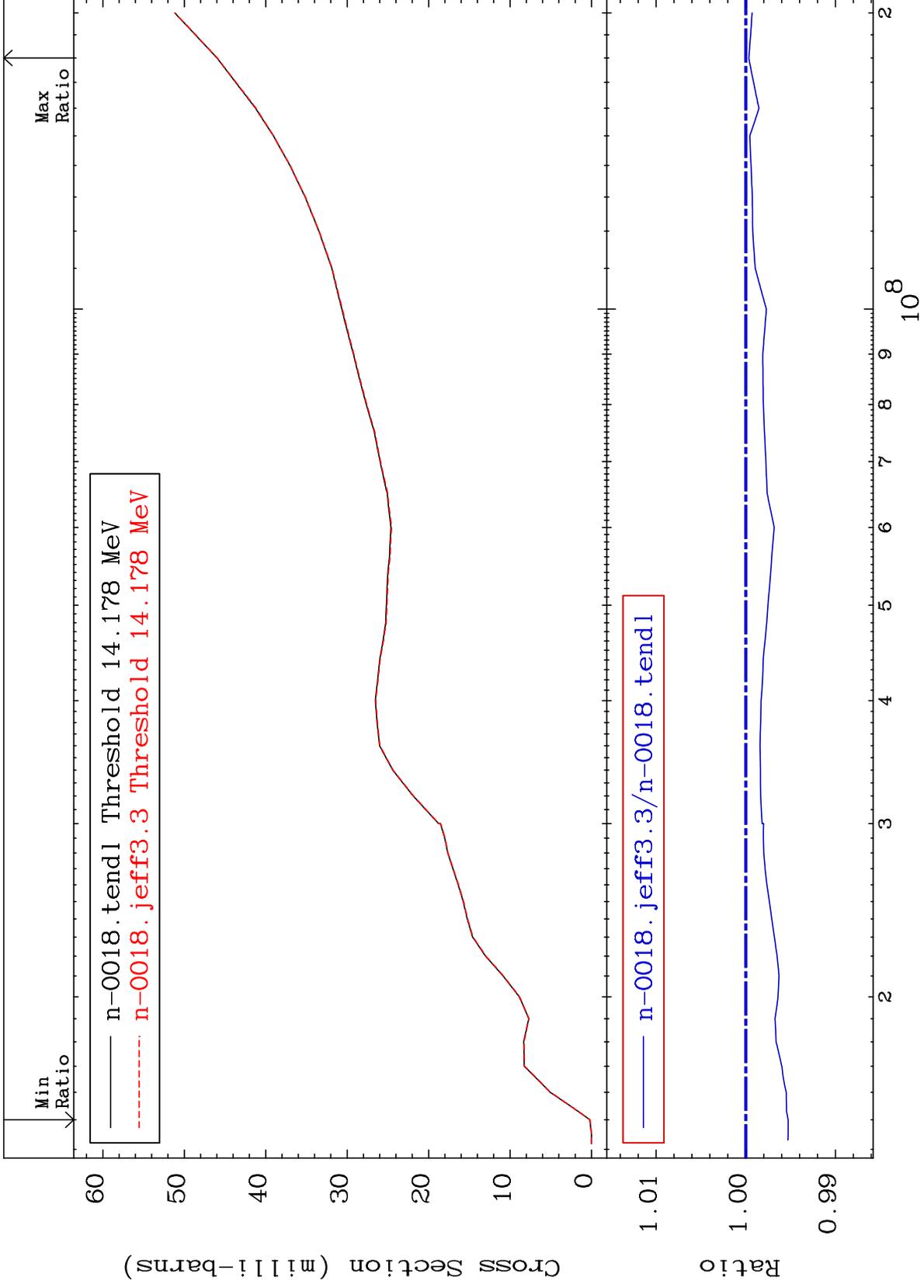




MAT 831

Tritium Production  
Cross Section

8-0 -18  
-0.473 To -0.034%



61

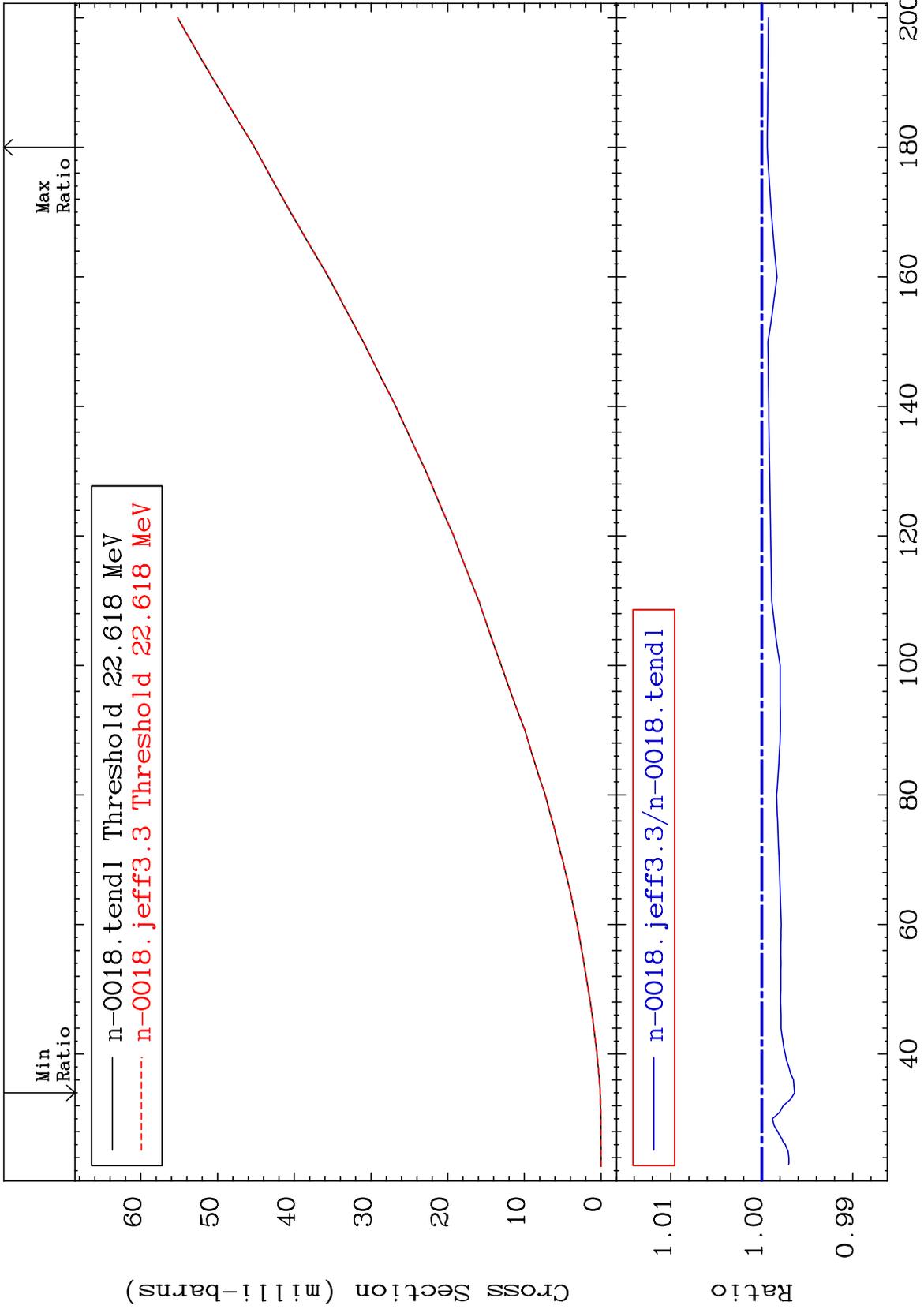
Incident Energy (eV)

8-0 -18

MAT 831

He-3 Production  
Cross Section

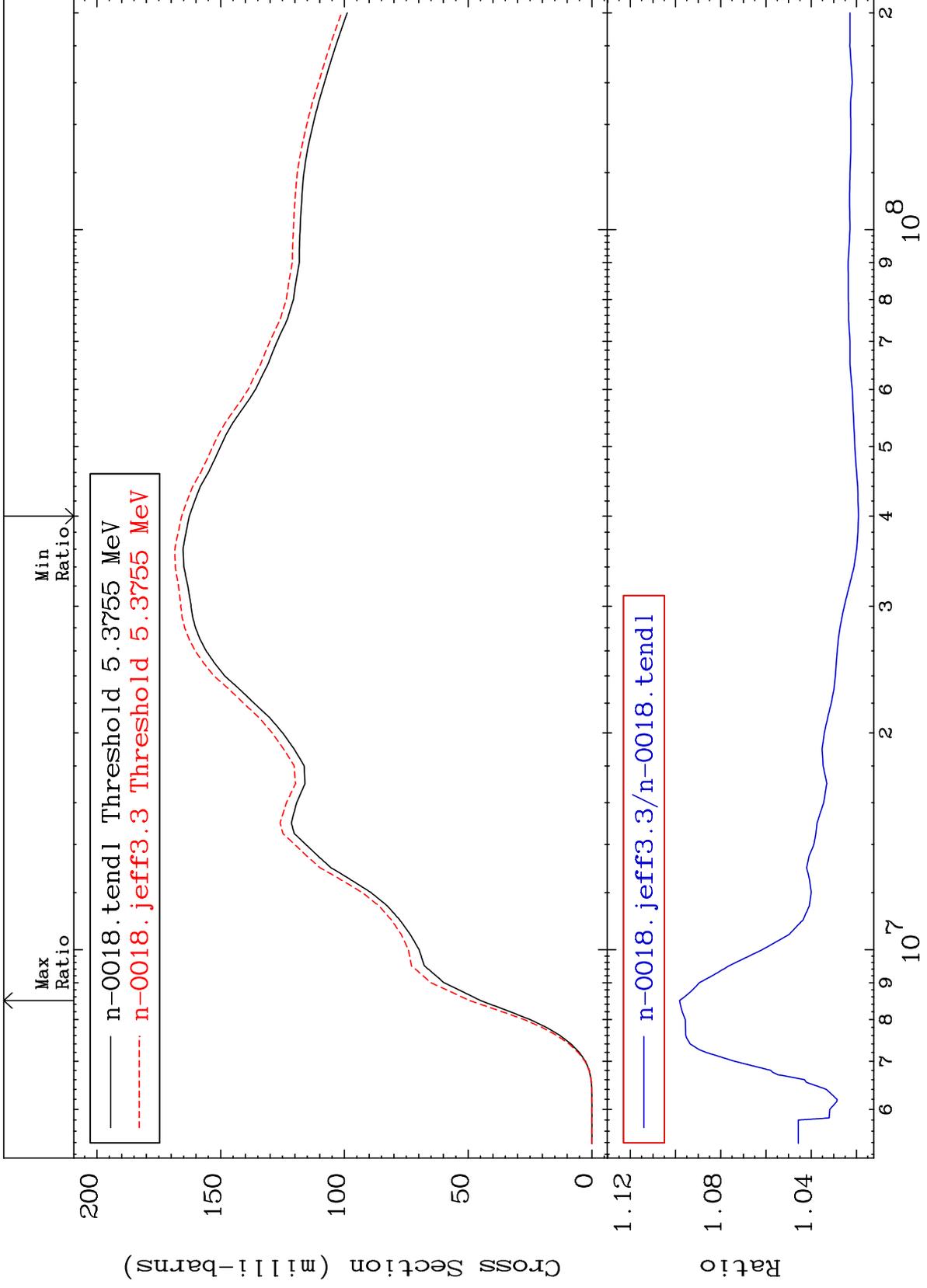
8-0 -18  
-0.362 To -0.060%



MAT 831

He-4 Production  
Cross Section

8-0 -18  
1.906 To 9.824 %



63

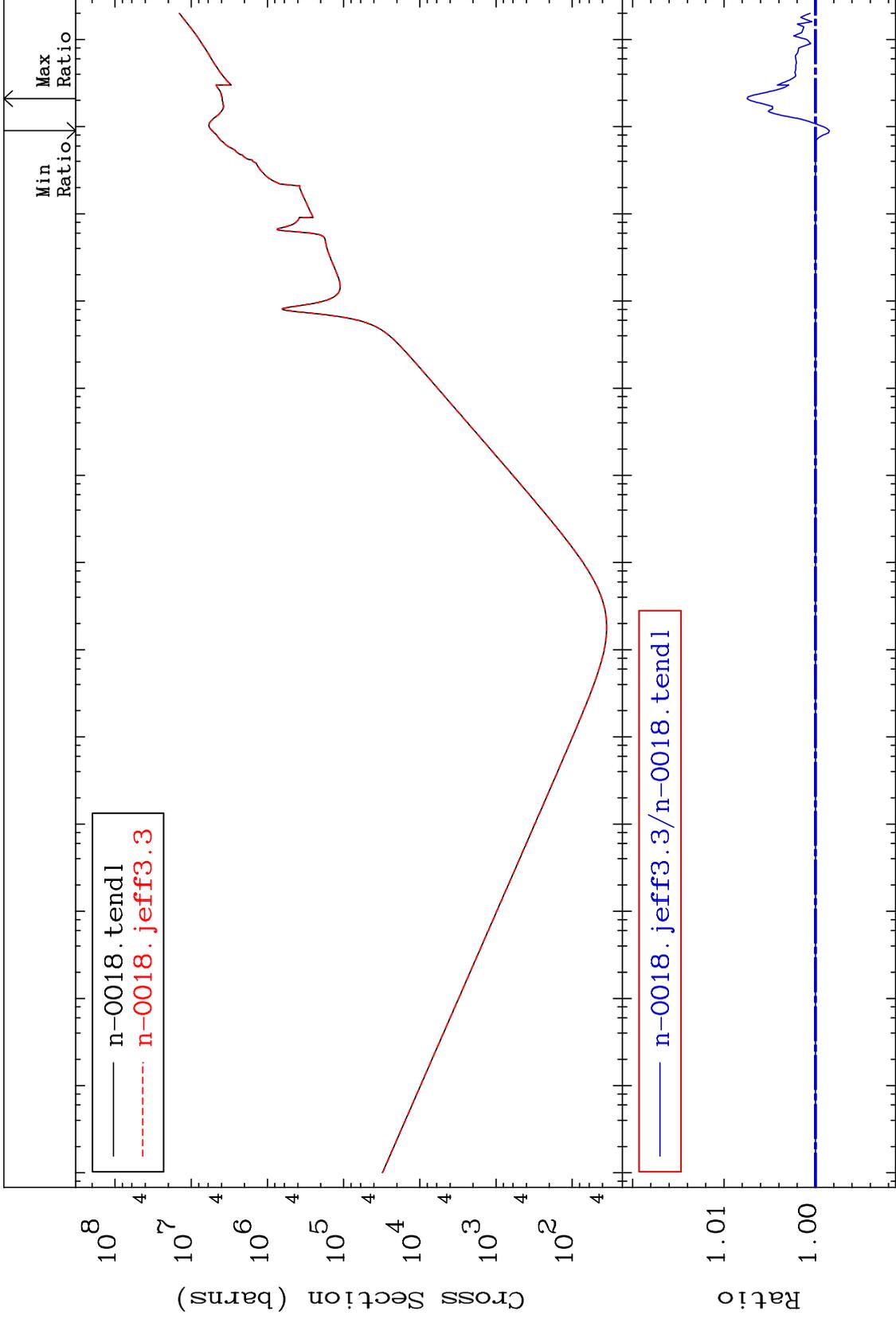
Incident Energy (eV)

8-0 -18

MAT 831

Kerma total (eV-barns)  
Cross Section

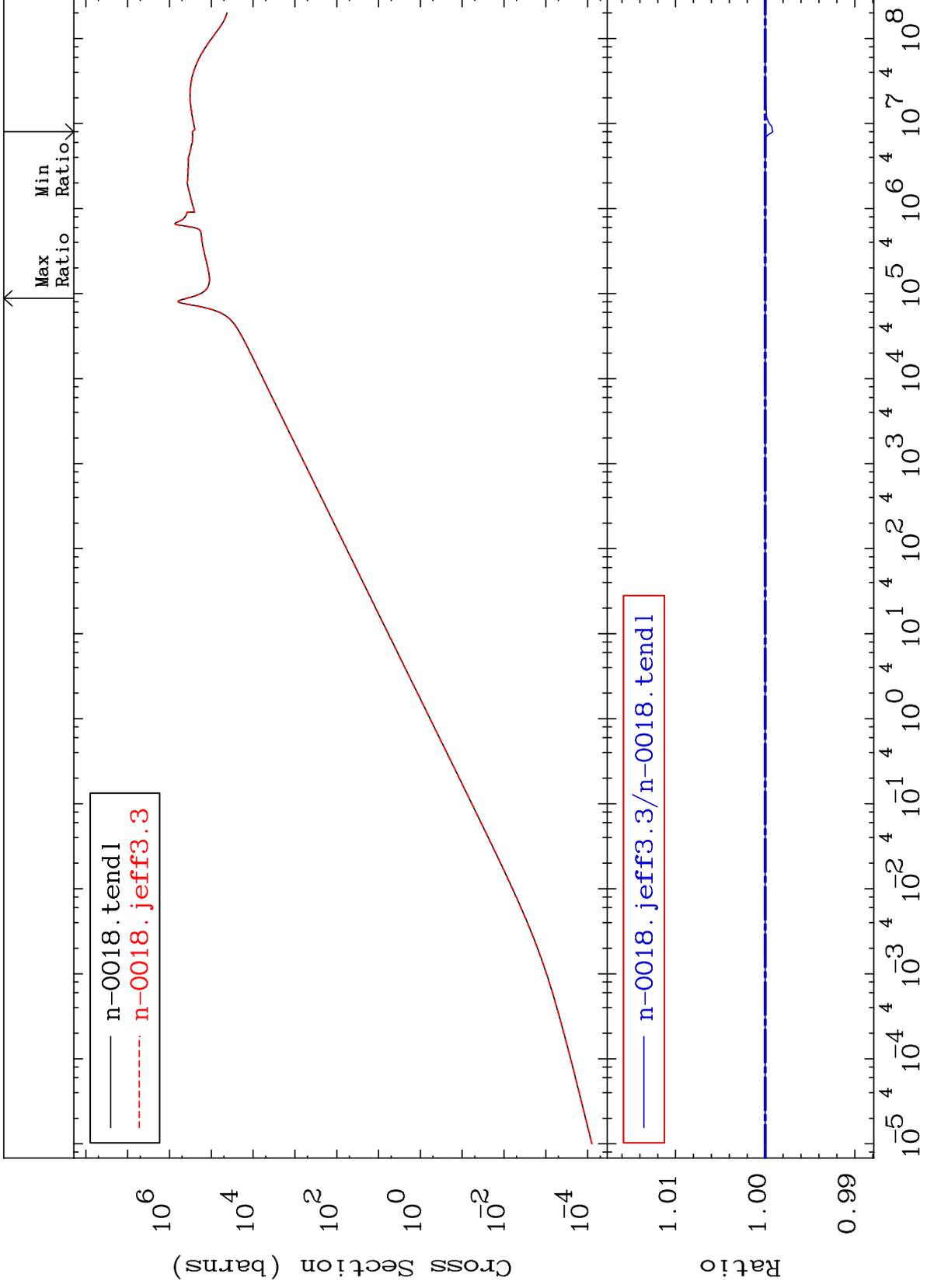
8-0 -18  
-0.152 To 0.747 %



MAT 831

Kerma elastic  
Cross Section

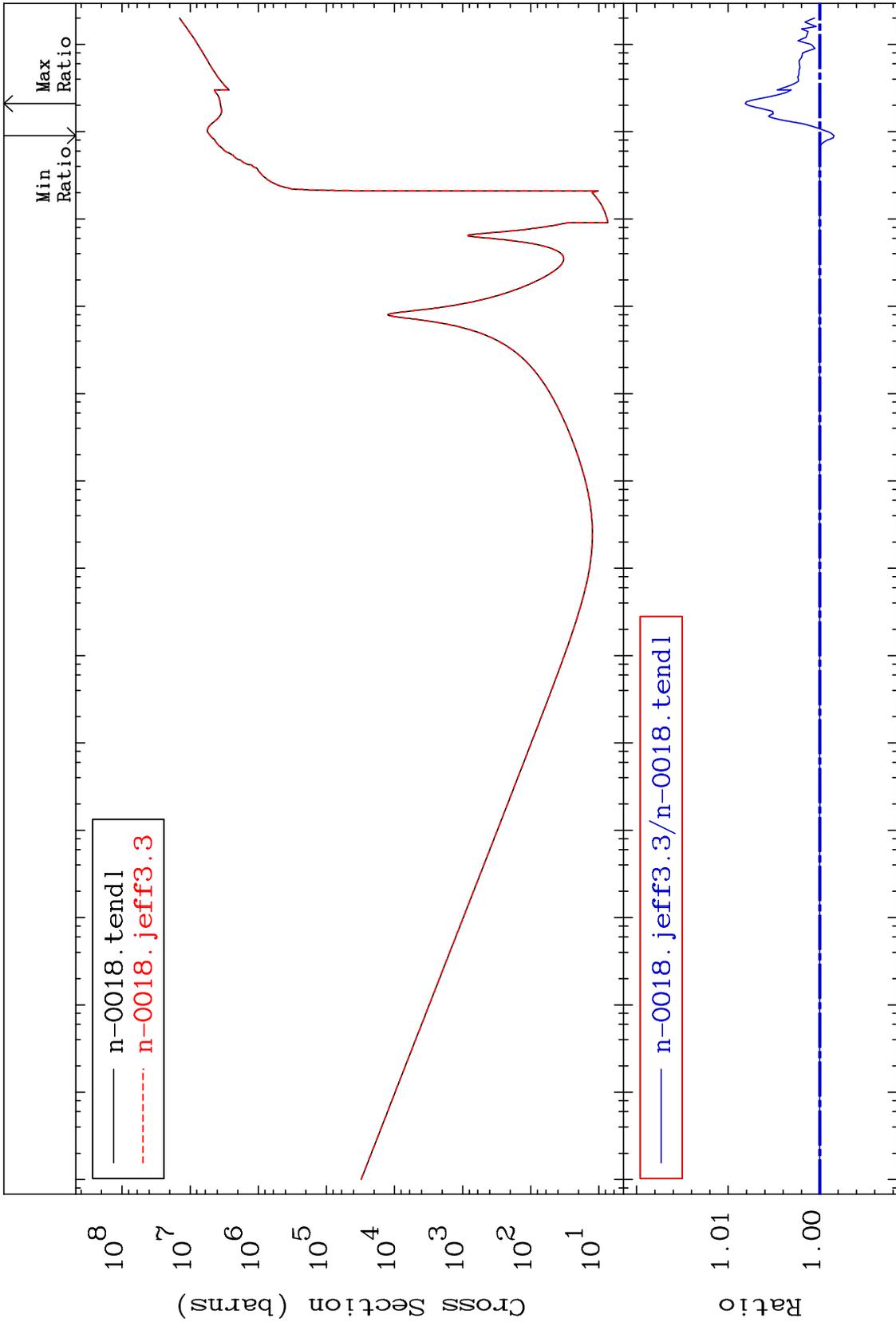
8-0 -18  
-0.087 To 0.000 %

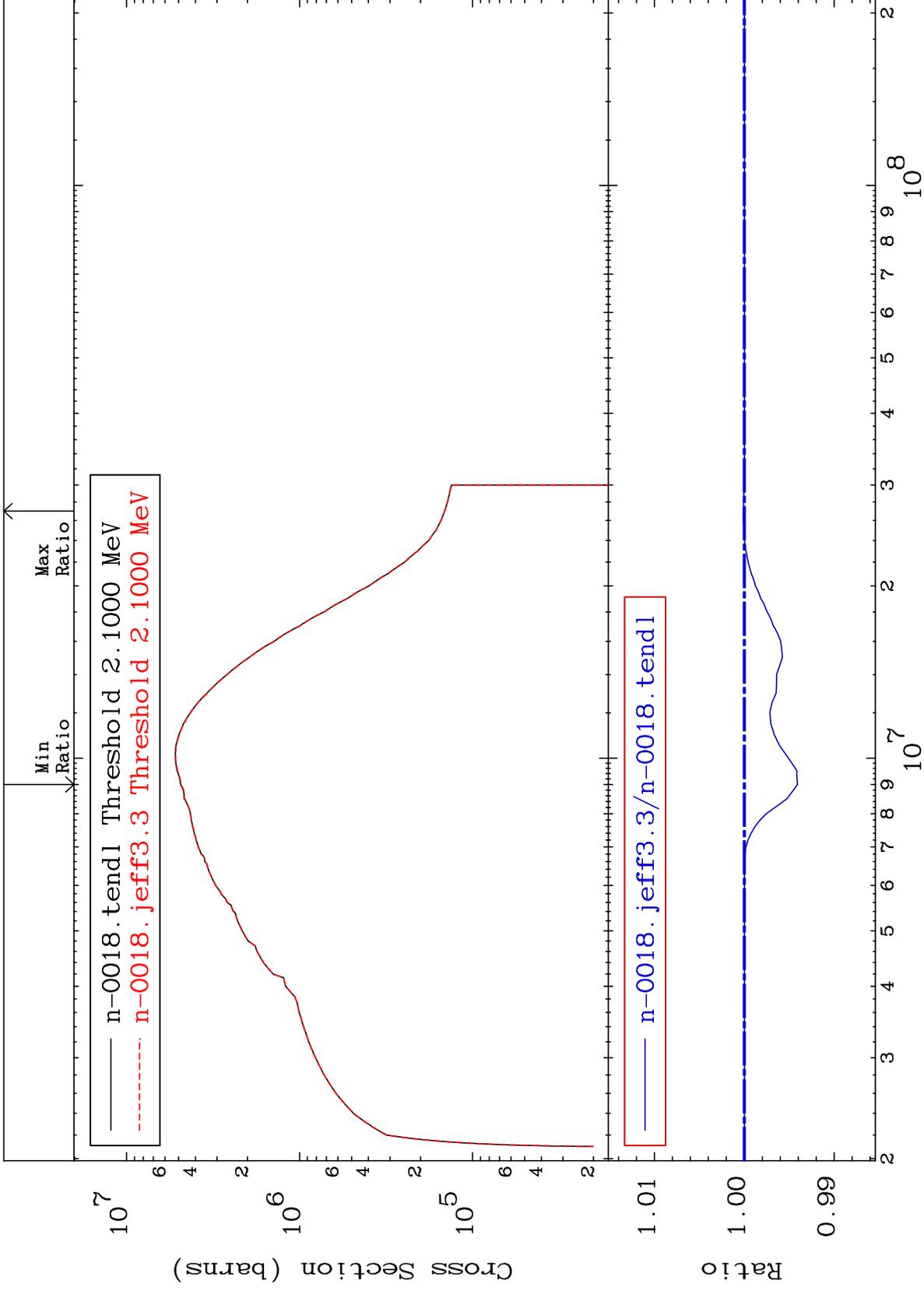


65

Incident Energy (eV)

8-0 -18

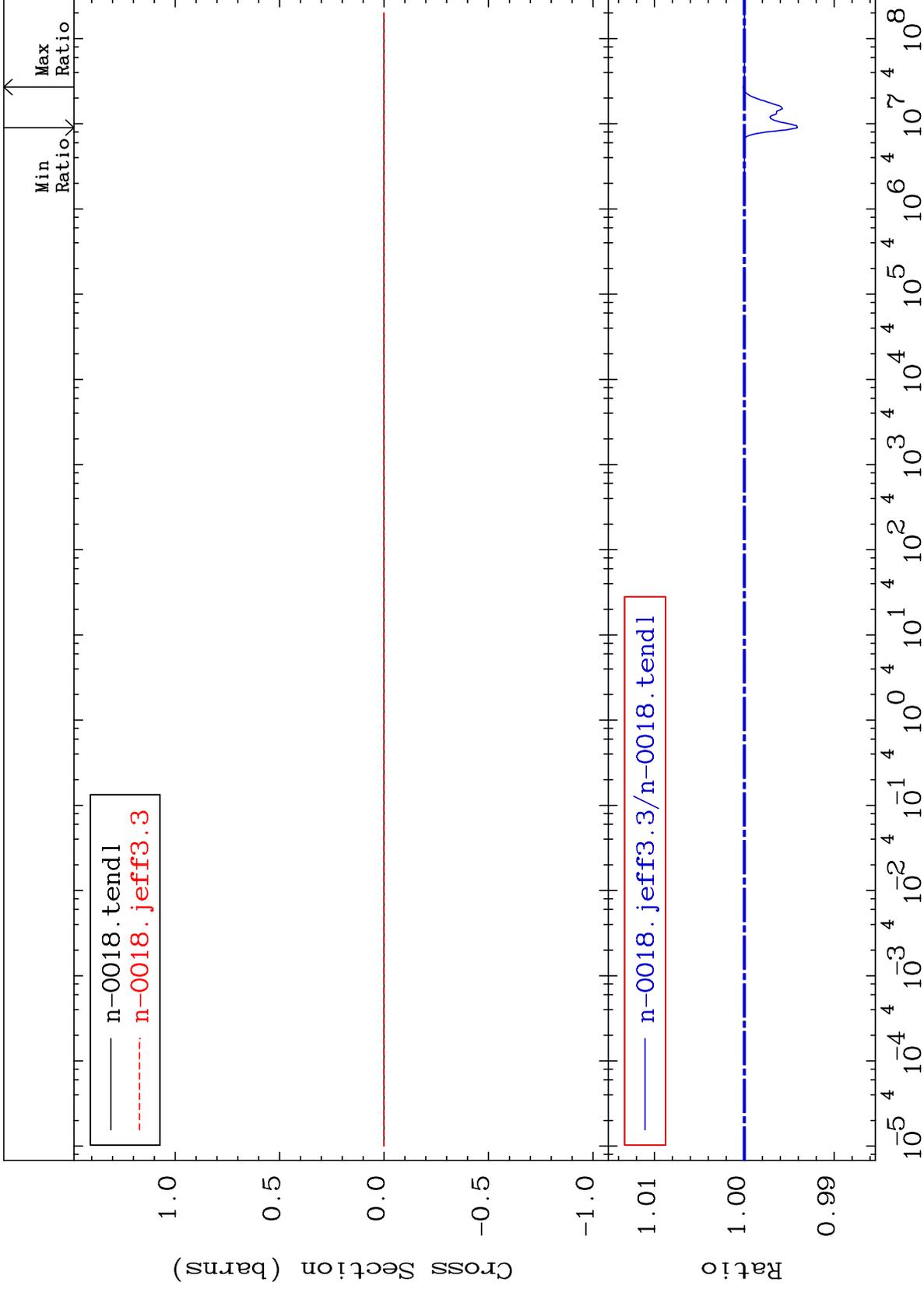




MAT 831

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

-0.591 To 0.010 %  
8-0 -18



68

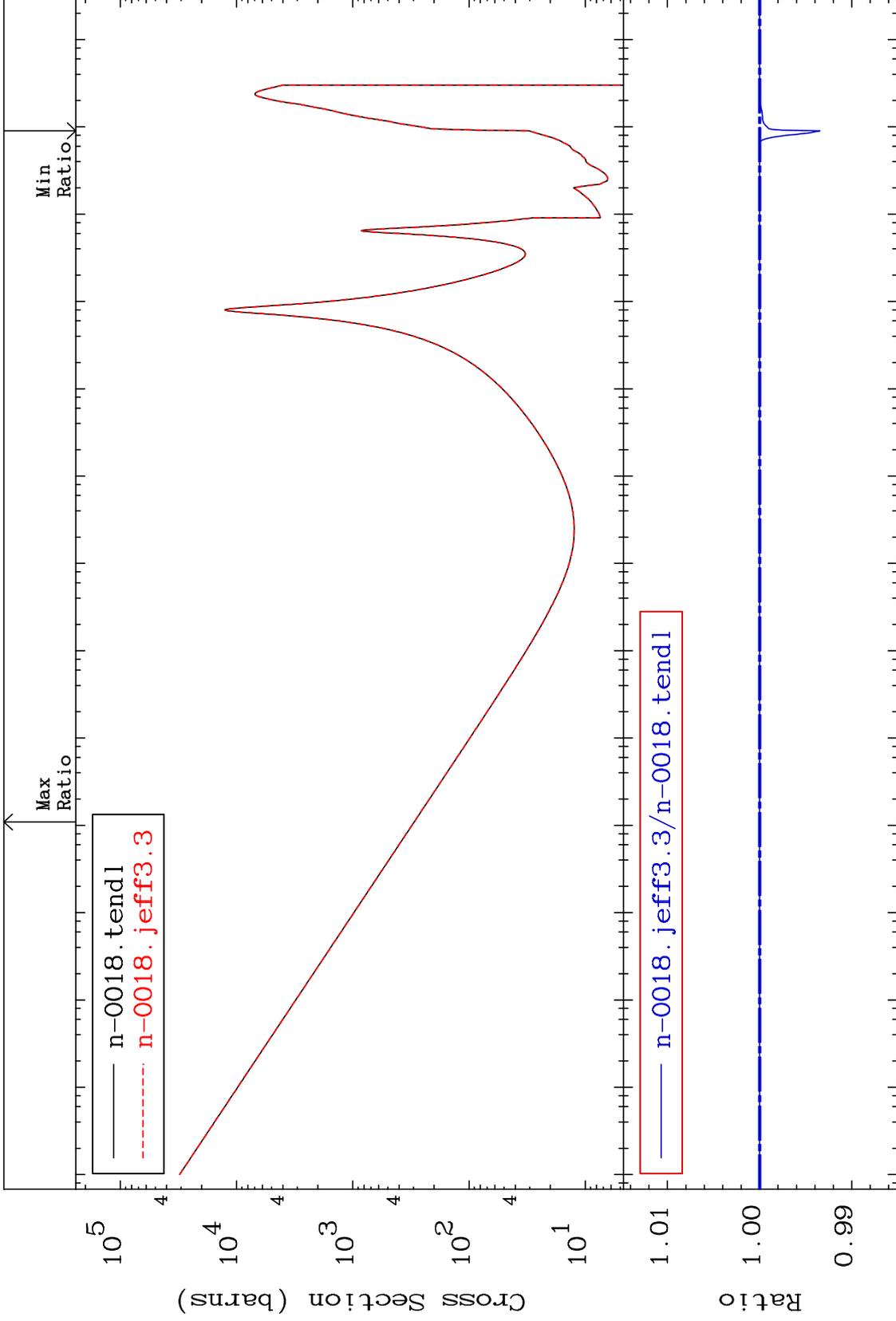
Incident Energy (eV)

8-0 -18

MAT 831

Kerma capture (mt102)  
Cross Section

8-0 -18  
-0.654 To 0.002 %



69

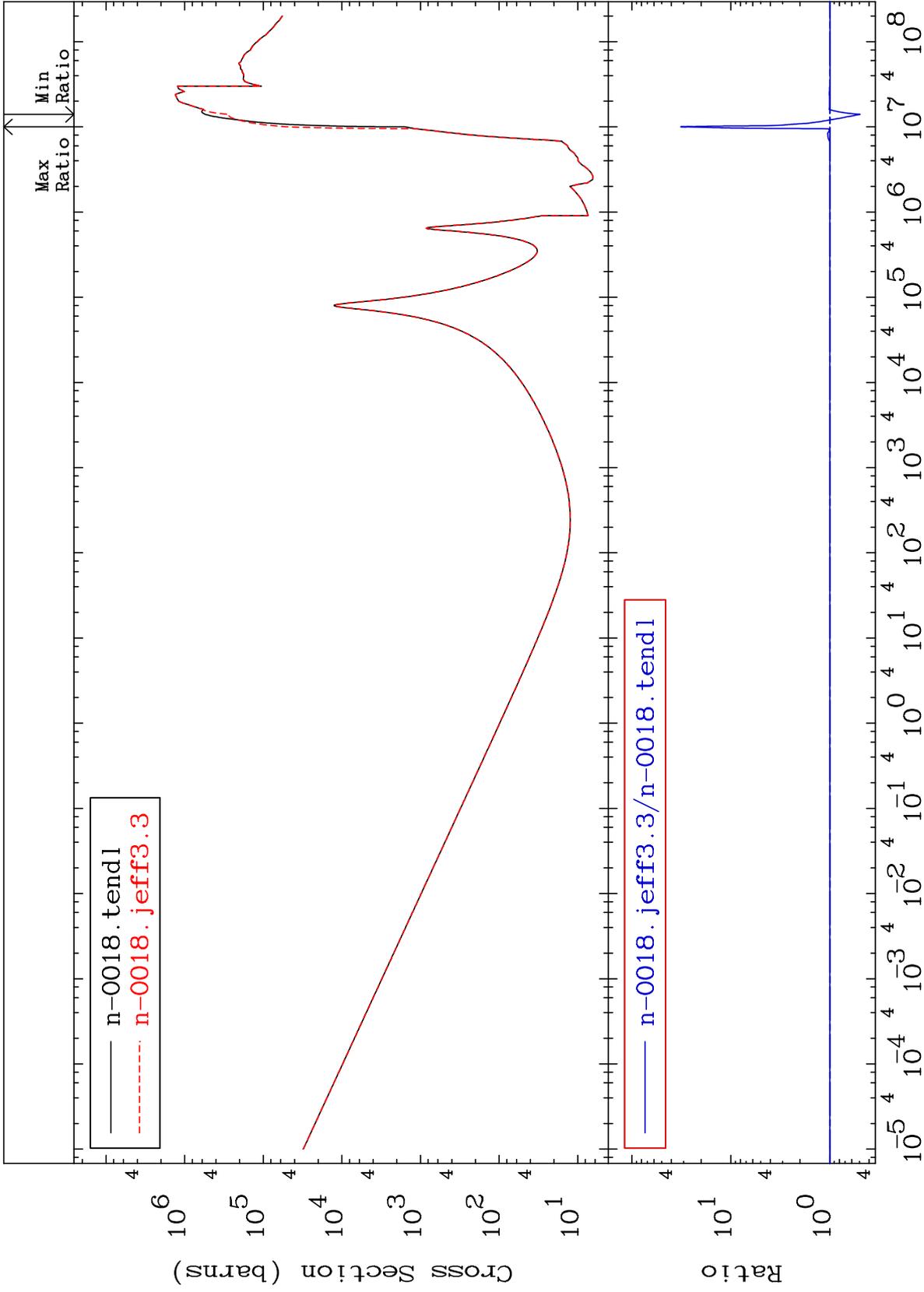
Incident Energy (eV)

8-0 -18

MAT 831

Total photon (eV-barns)  
Cross Section

8-0 -18  
-50.67 To 3110. %



70

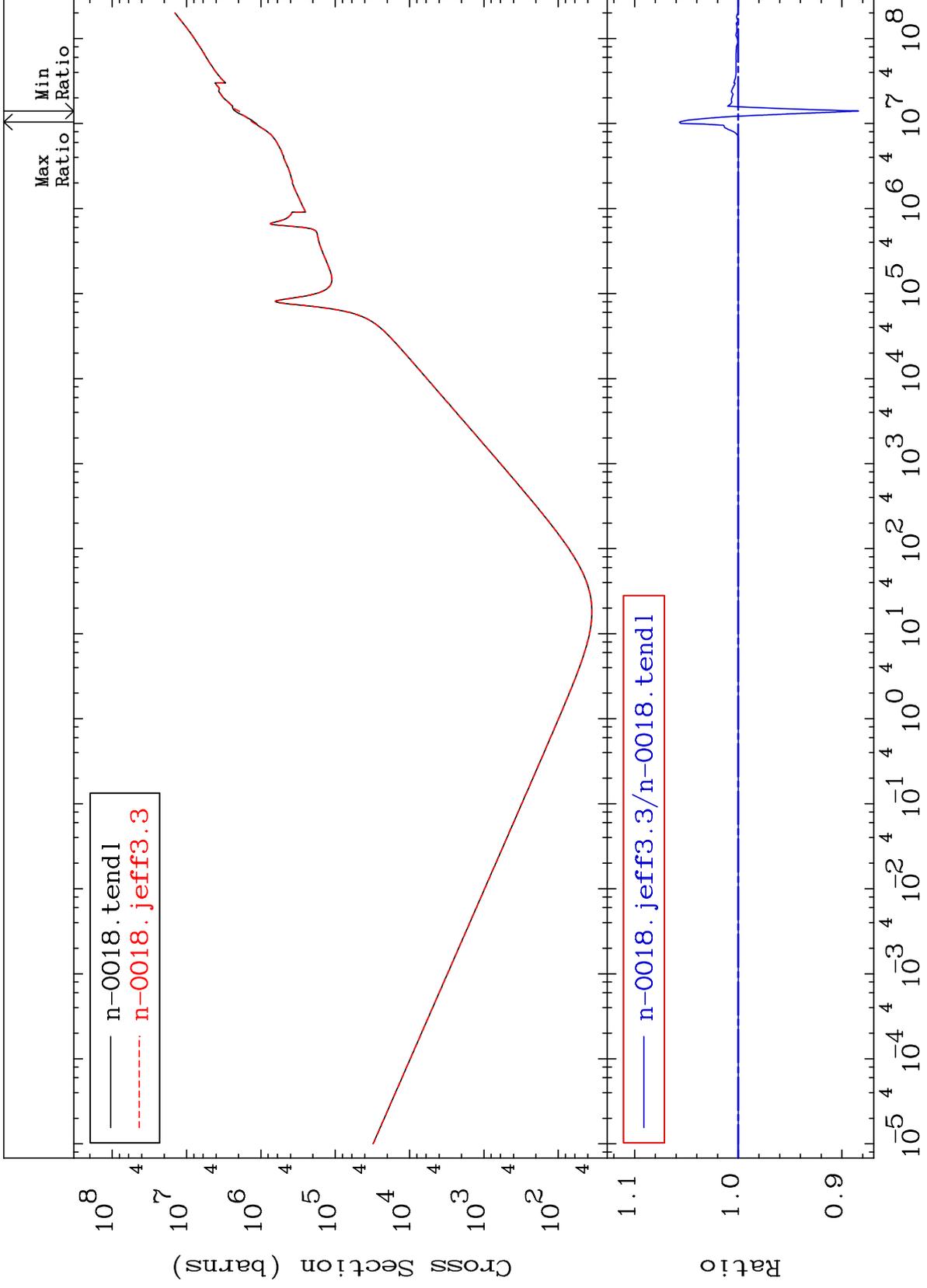
Incident Energy (eV)

8-0 -18

MAT 831

Total kinematic kerma (high limit)  
Cross Section

-11.61 To 5.666 %  
8-0 -18



71

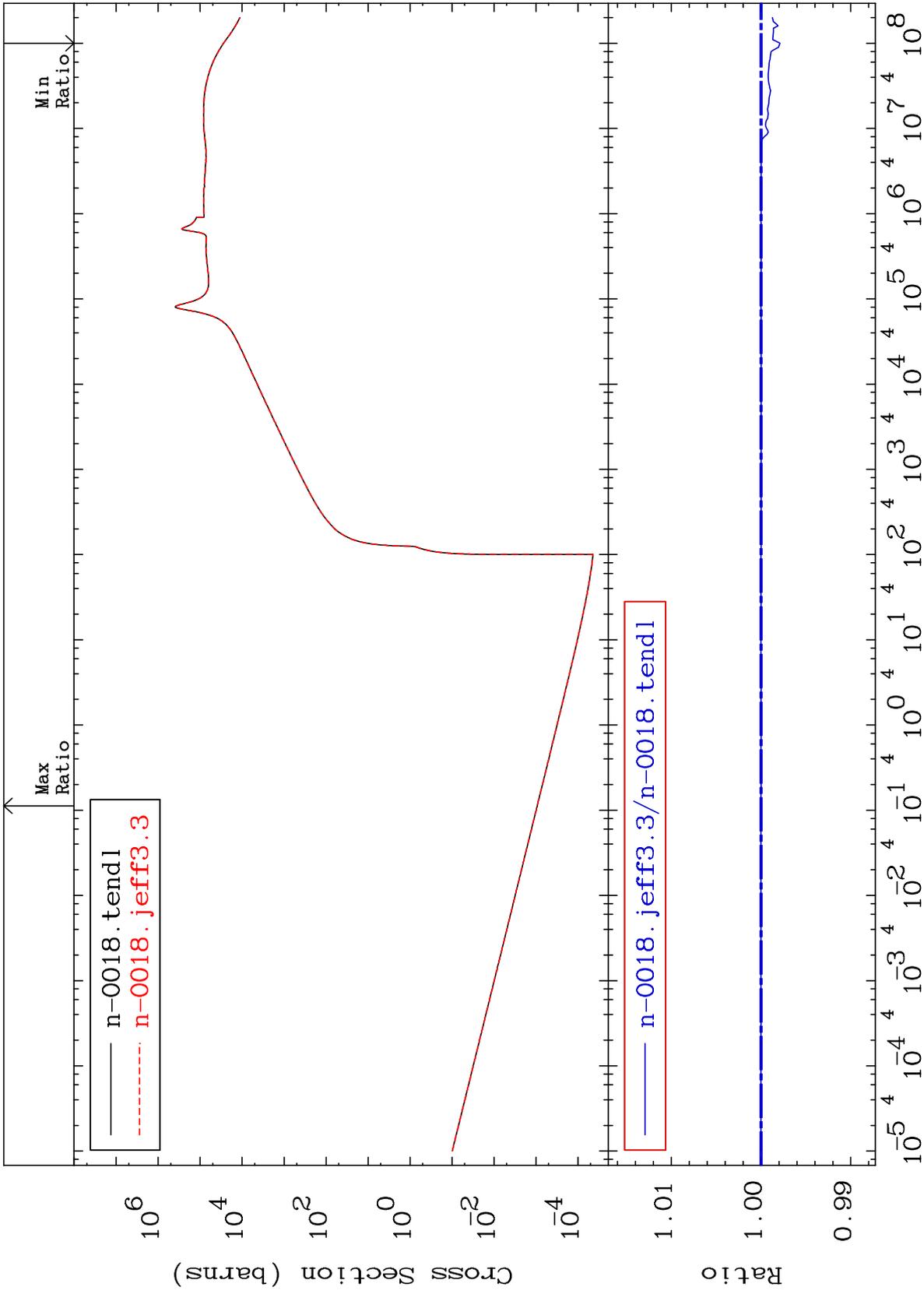
Incident Energy (eV)

8-0 -18

MAT 831

Dpa total (eV-barns)  
Cross Section

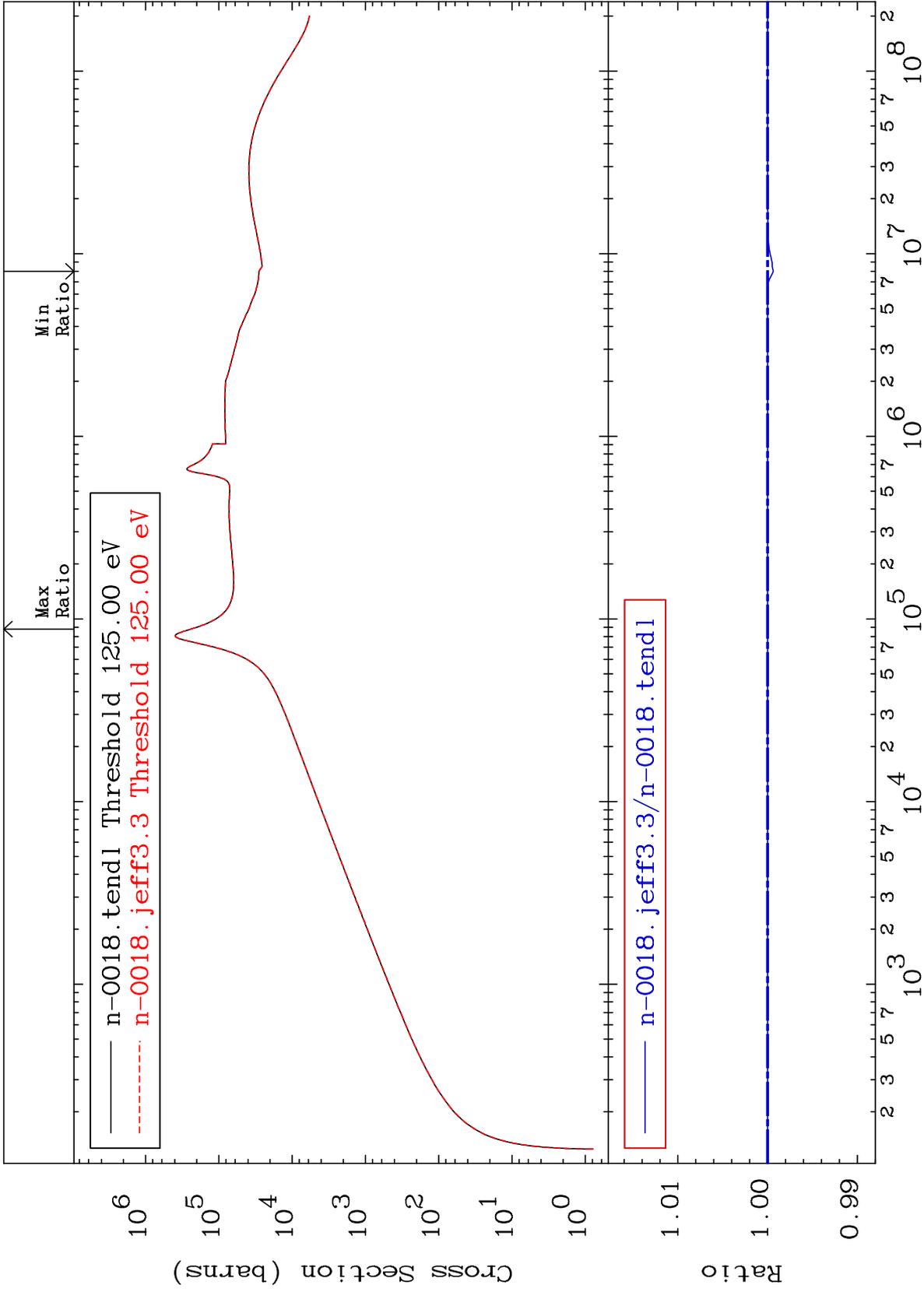
8-0 -18  
-0.211 To 0.002 %



MAT 831

Dpa elastic (mt2)  
Cross Section

8-0 -18  
-0.064 To 0.000 %



73

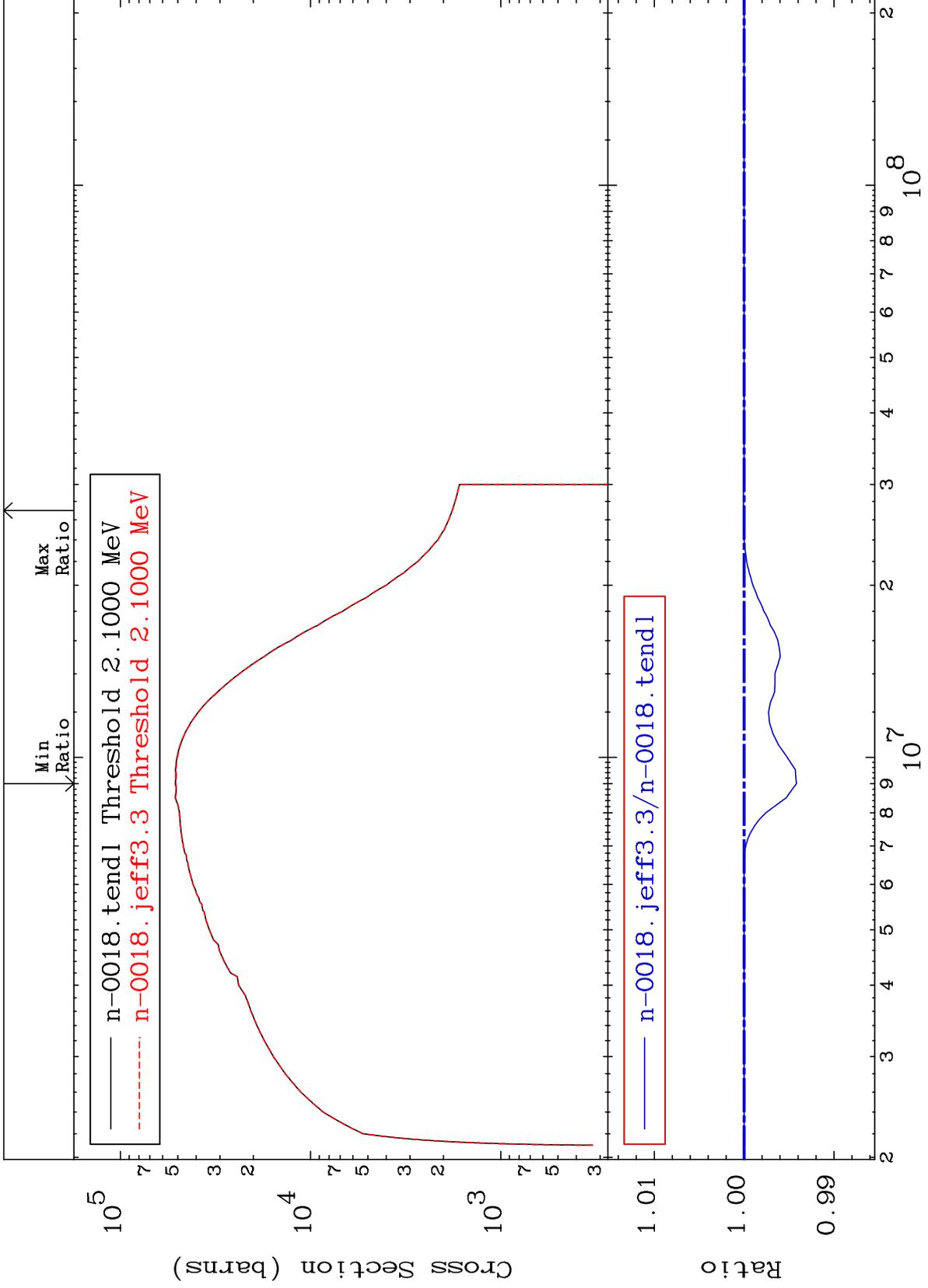
Incident Energy (eV)

8-0 -18

MAT 831

Dpa inelastic (mt51-91)  
Cross Section

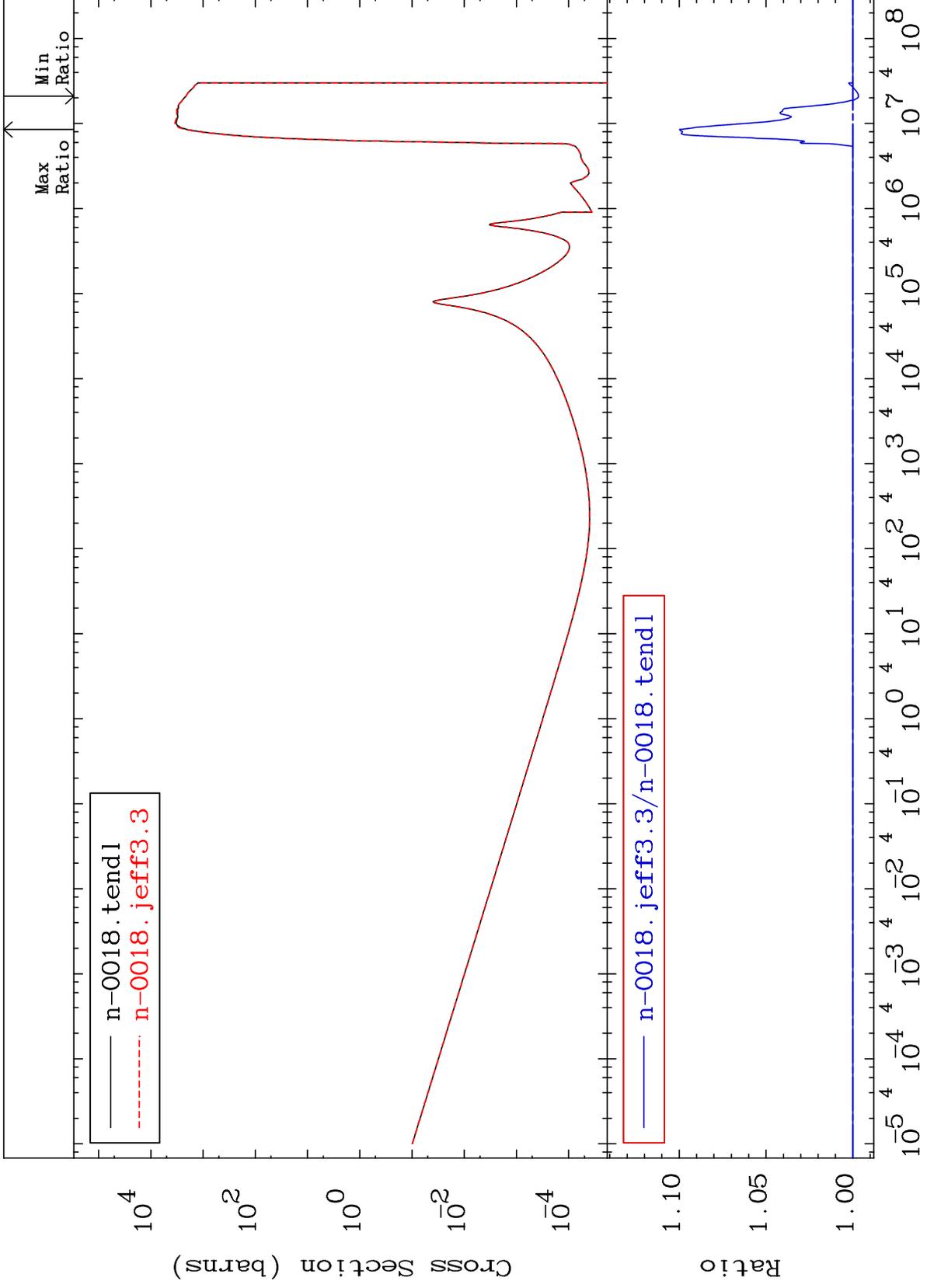
8-0 -18  
-0.582 To 0.008 %



MAT 831

Dpa disappearance (mt102 -120)  
Cross Section

8-0 -18  
-0.327 To 9.982 %



75

Incident Energy (eV)

8-0 -18