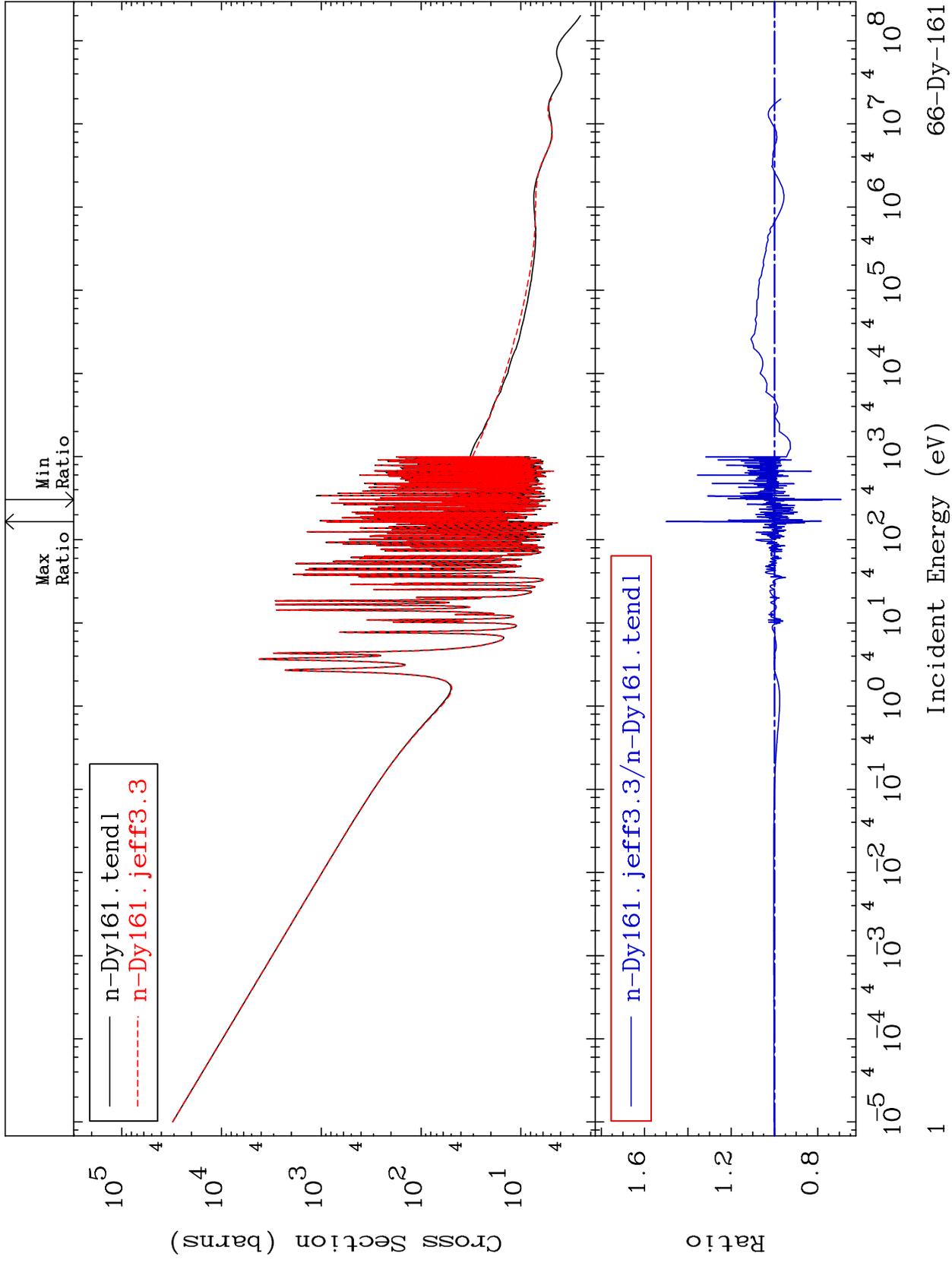


MAT 6640

Total Cross Section  
66-Dy-161  
-30.72 To 50.10 %

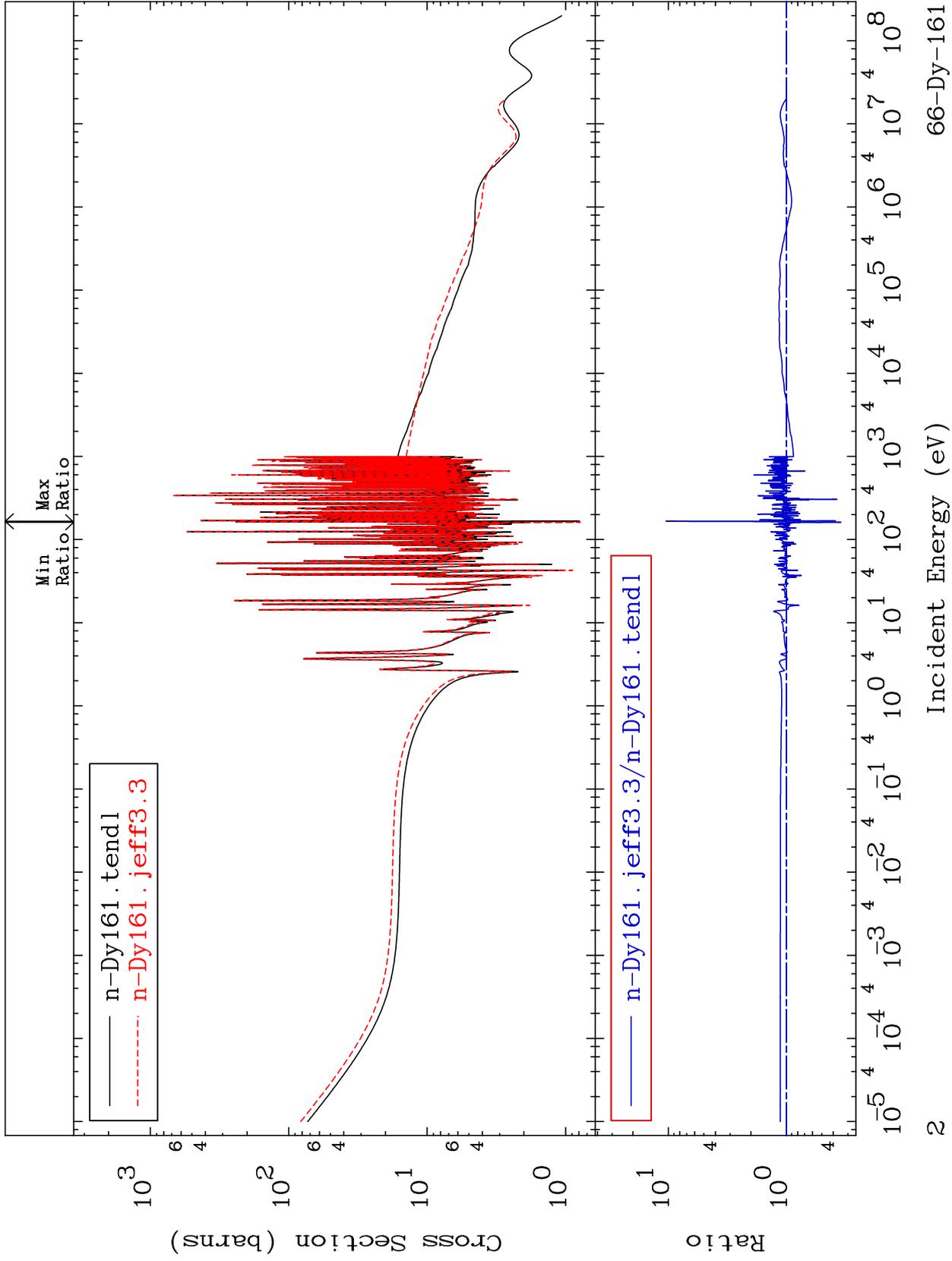


66-Dy-161

MAT 6640

Elastic  
Cross Section

66-Dy-161  
-65.62 To 949.6 %

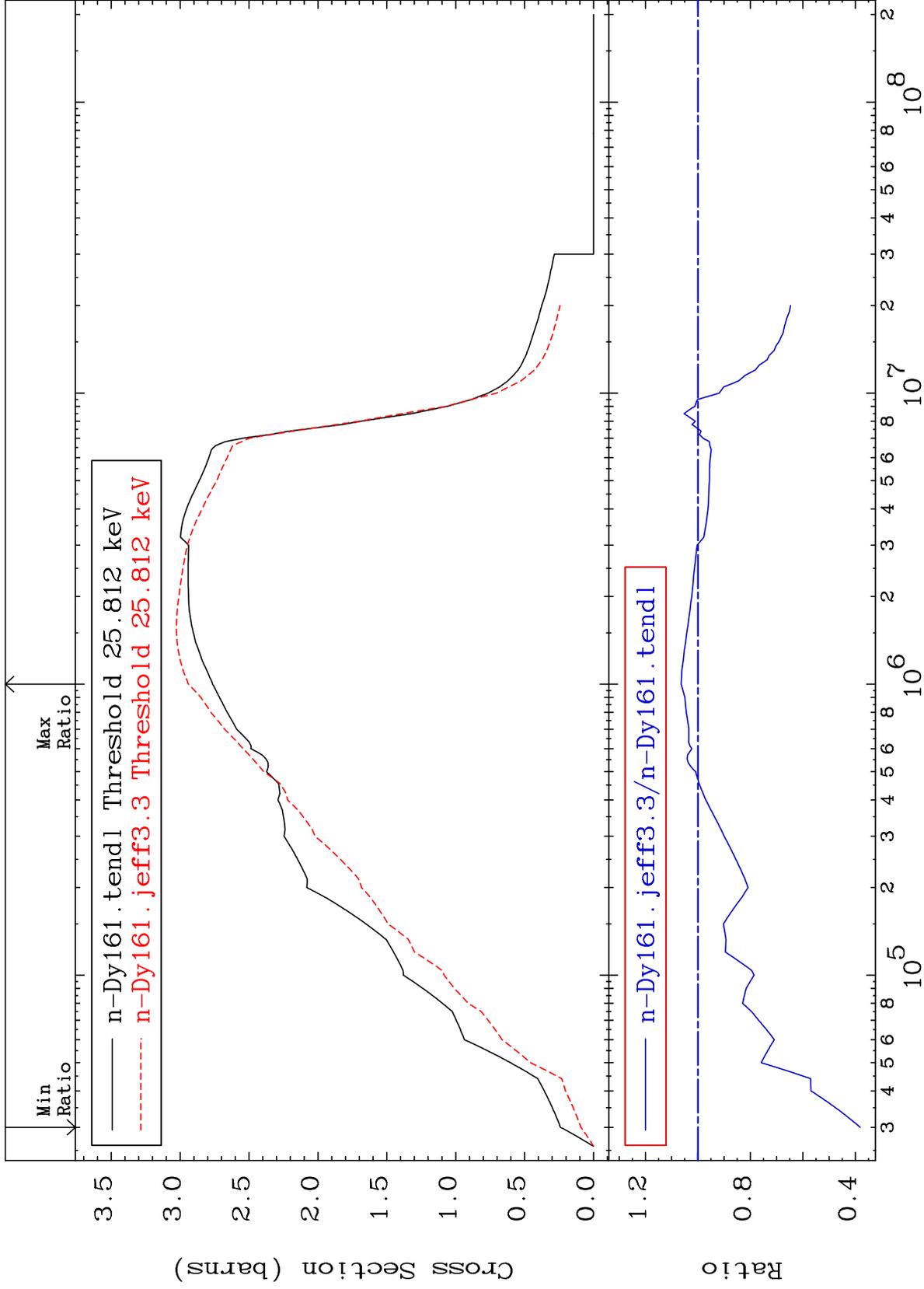


66-Dy-161

Incident Energy (eV)

2

MAT 6640 Inelastic 66-Dy-161  
Cross Section -61.84 To 6.368 %

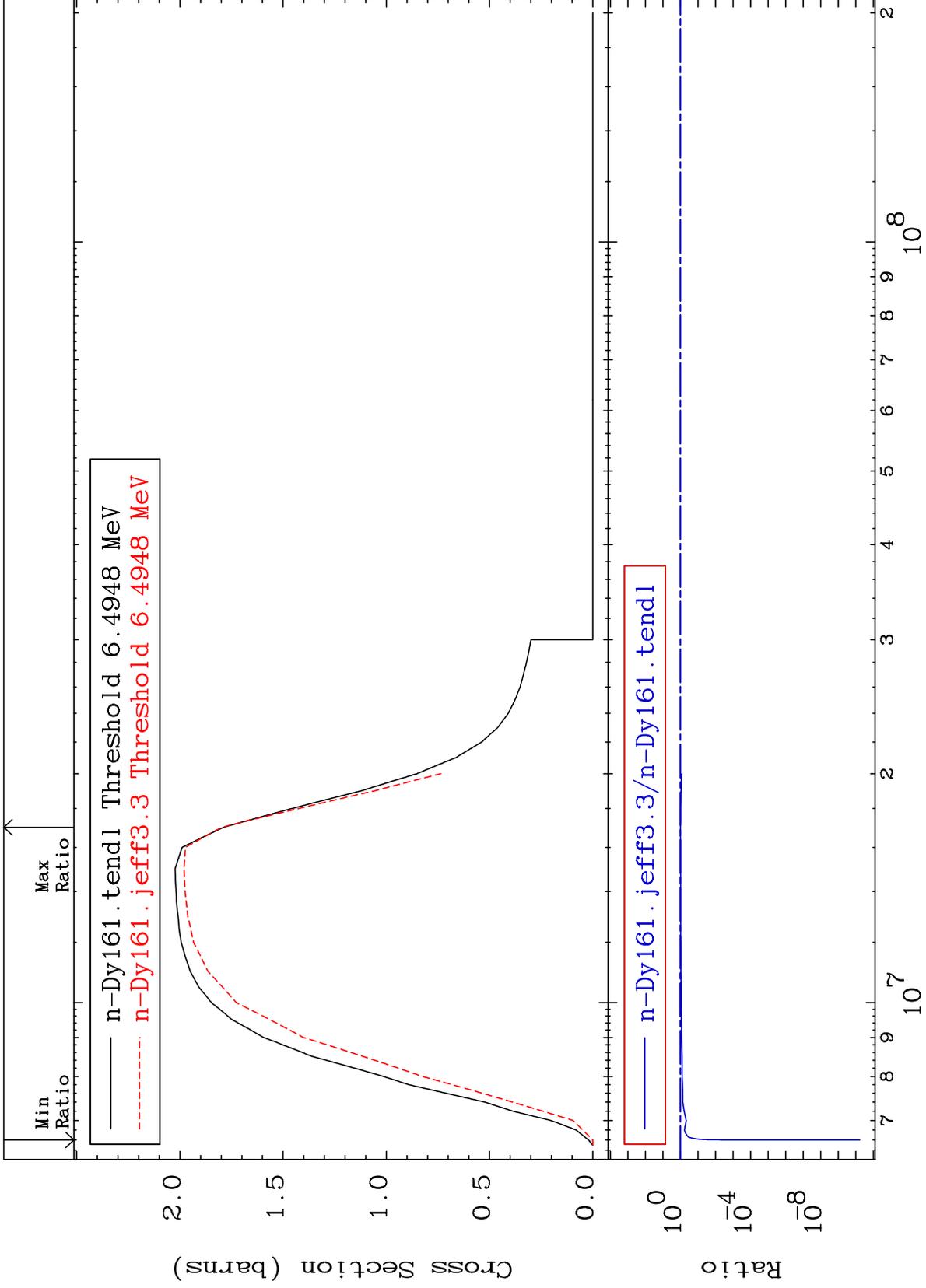


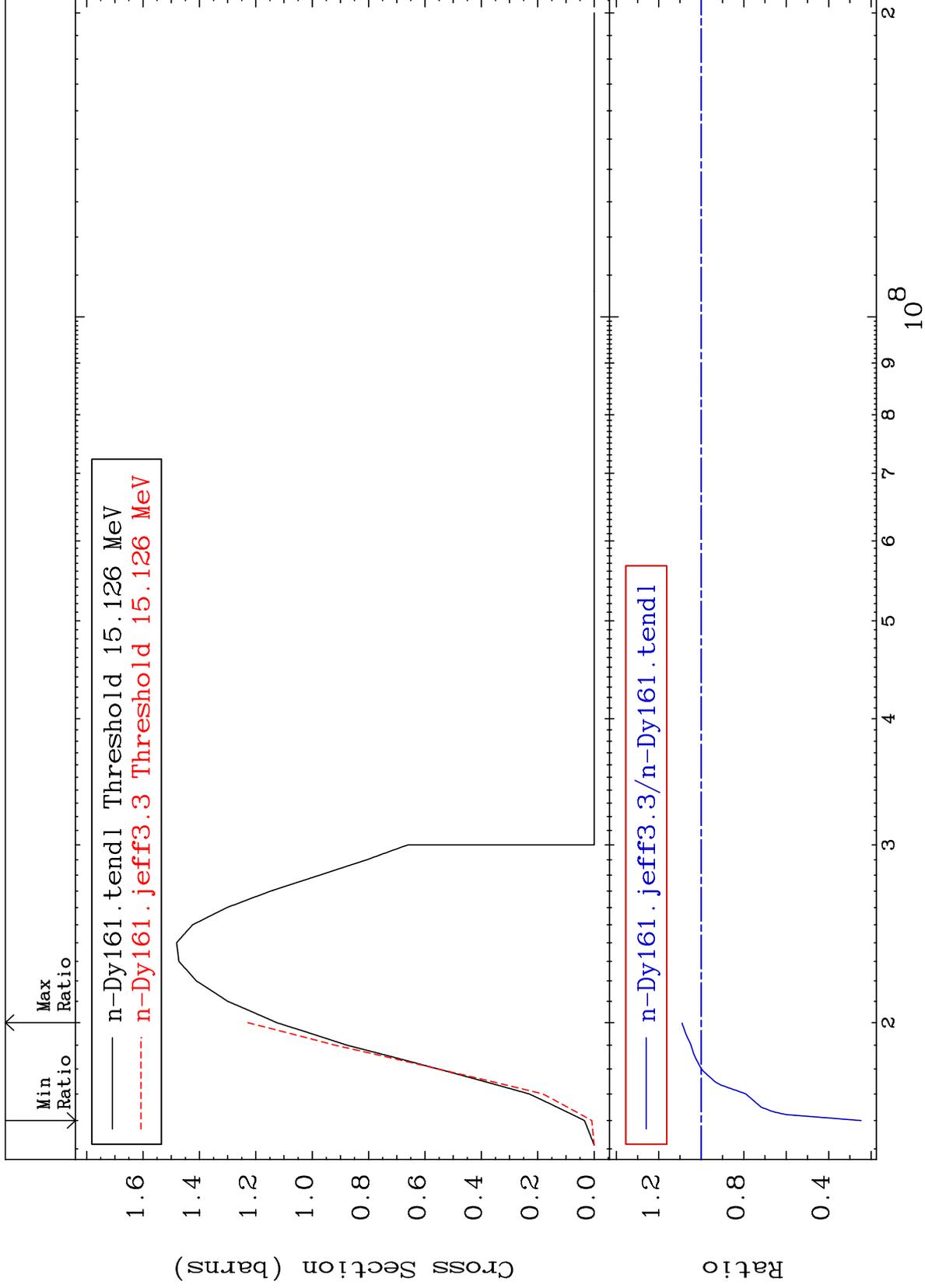
3 Incident Energy (eV) 66-Dy-161

MAT 6640

(n,2n)  
Cross Section

66-Dy-161  
-100.0 To 0.484 %

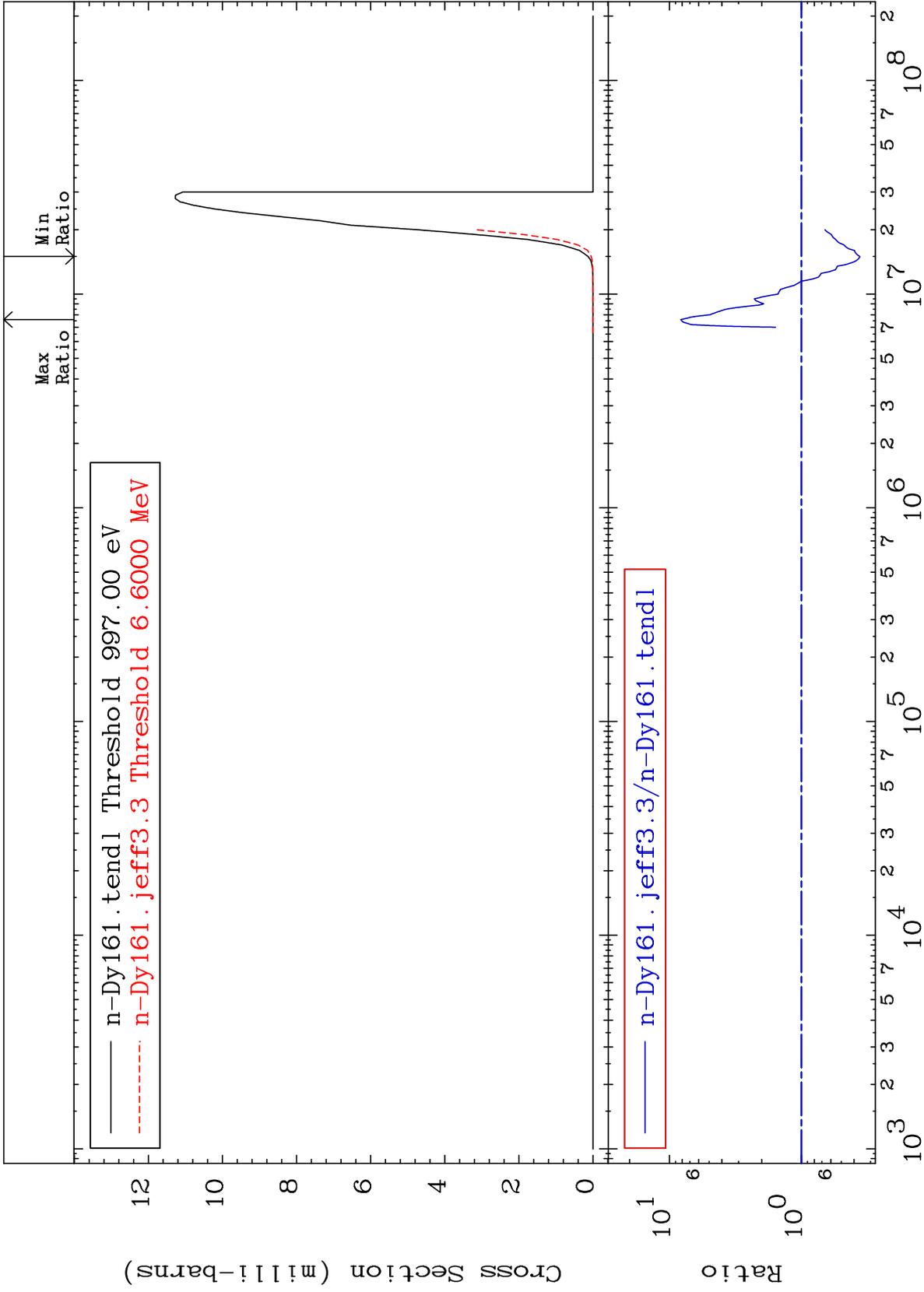




MAT 6640

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

66-Dy-161  
-63.99 To 720.1 %



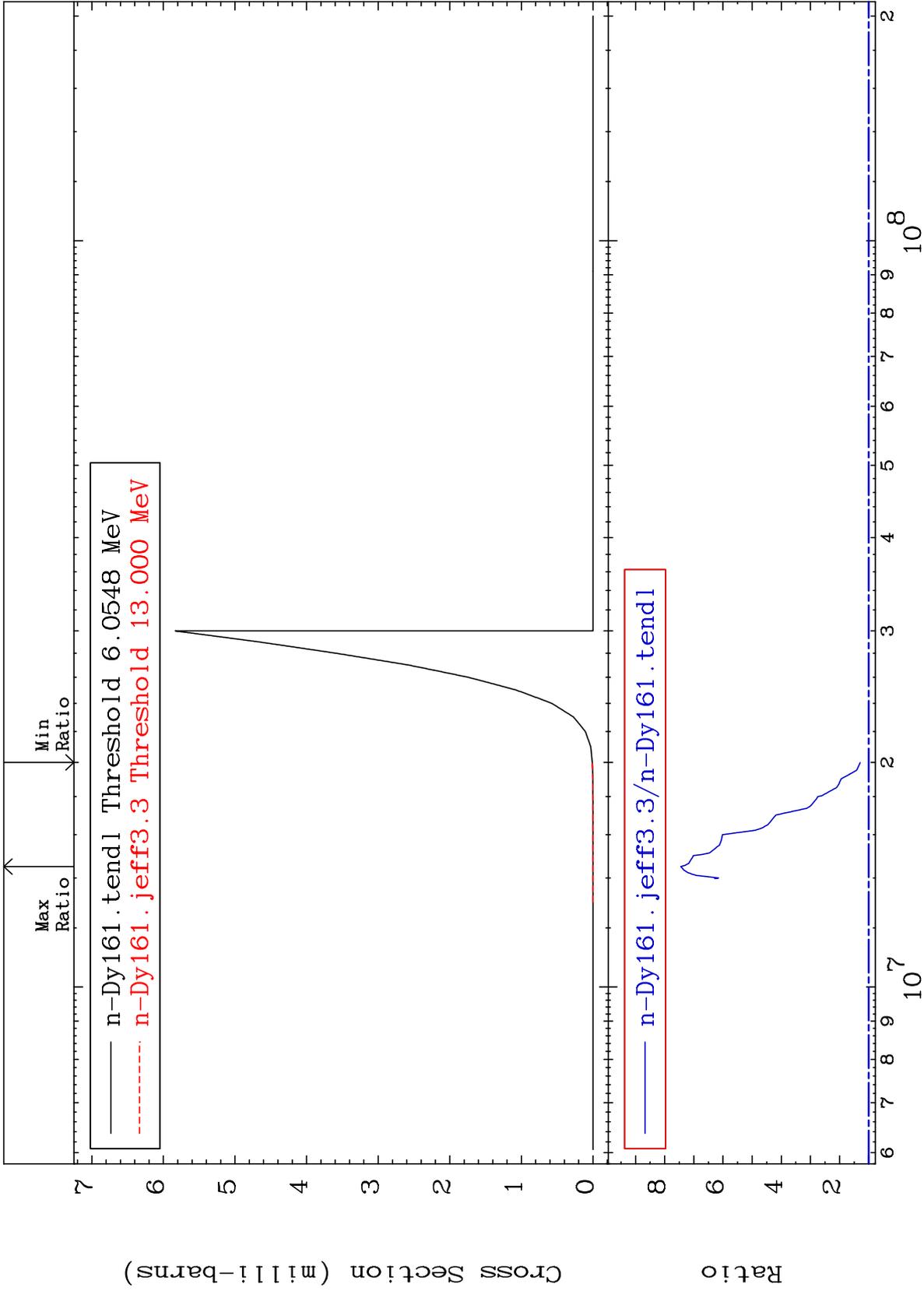
Incident Energy (eV)

66-Dy-161

MAT 6640

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

66-Dy-161  
29.71 To 644.8 %



7

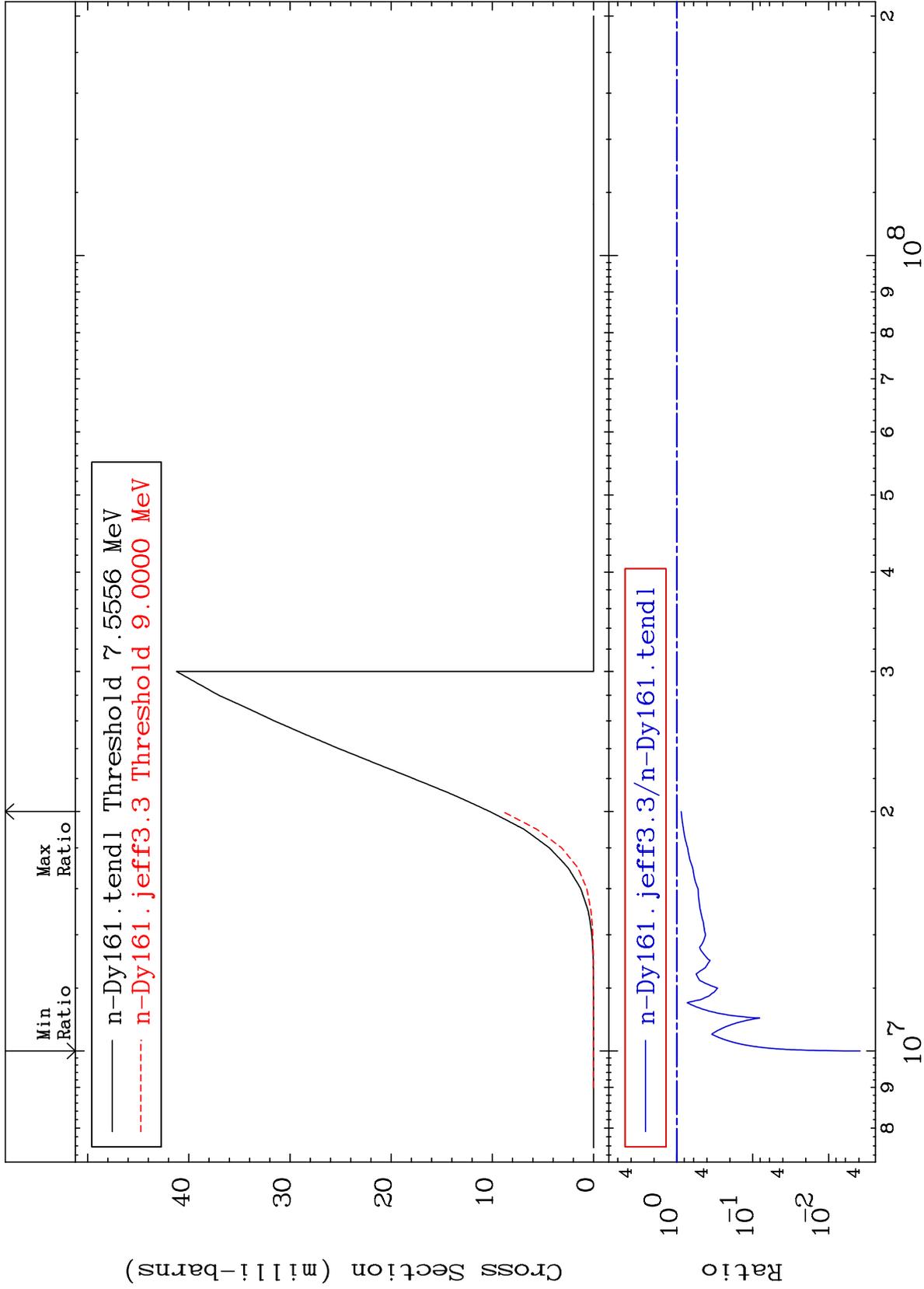
66-Dy-161

66-Dy-161

MAT 6640

(n,n') p  
Cross Section

66-Dy-161  
-99.62 To -12.39%



8

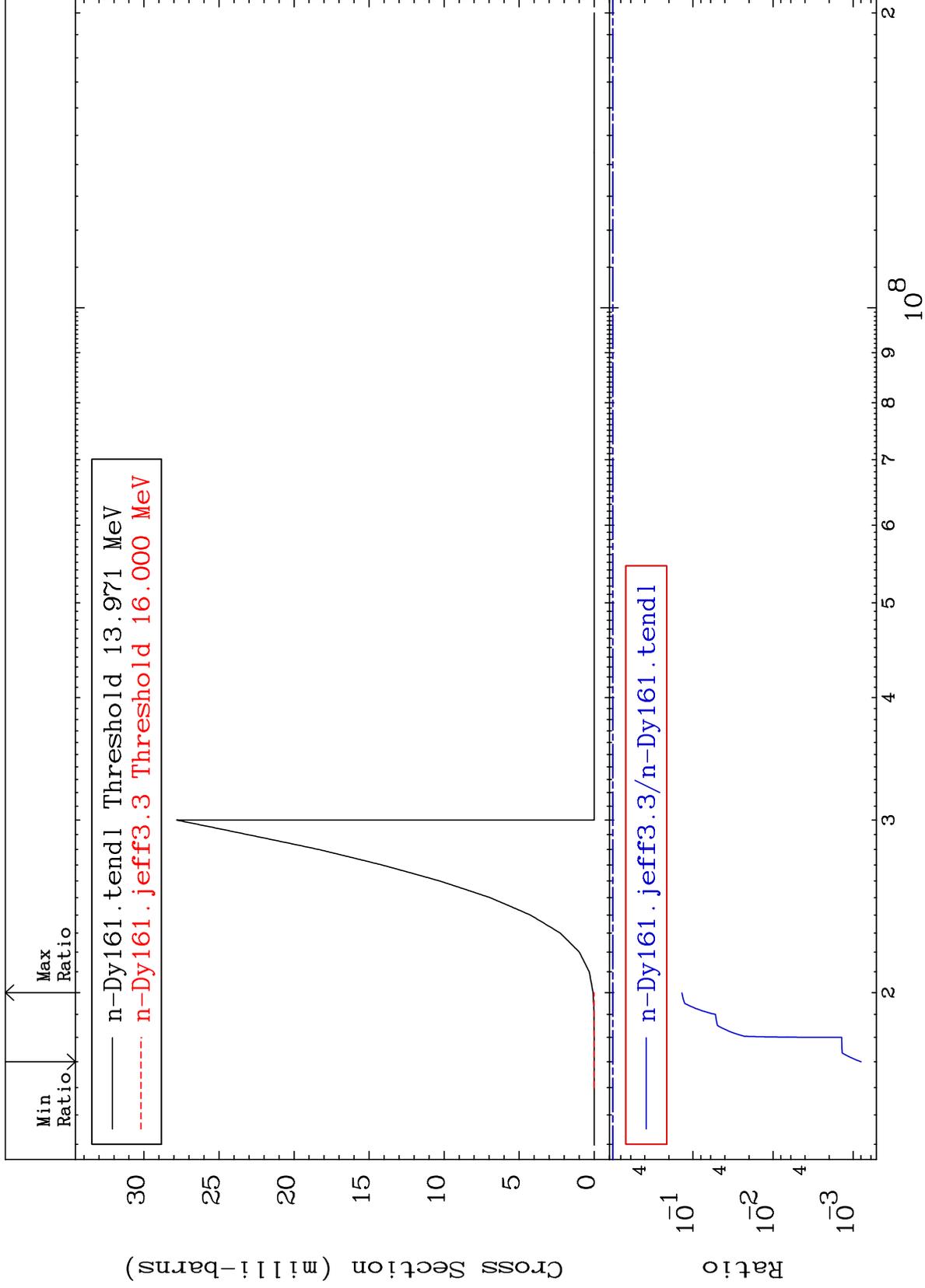
Incident Energy (eV)

66-Dy-161

MAT 6640

(n,2n) p  
Cross Section

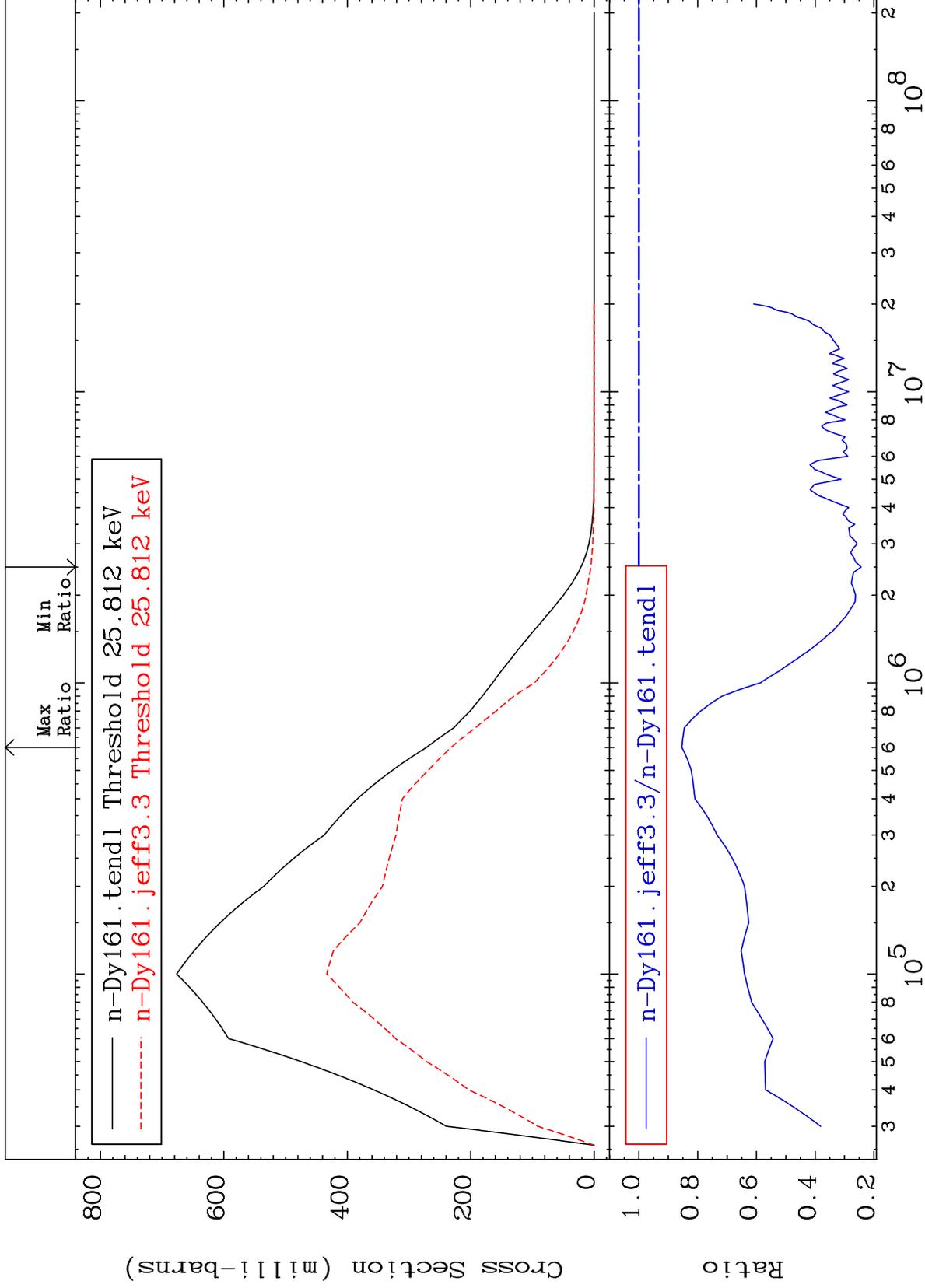
66-Dy-161  
-99.92 To -86.25%



MAT 6640

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

66-Dy-161  
-75.65 To -14.63%



10

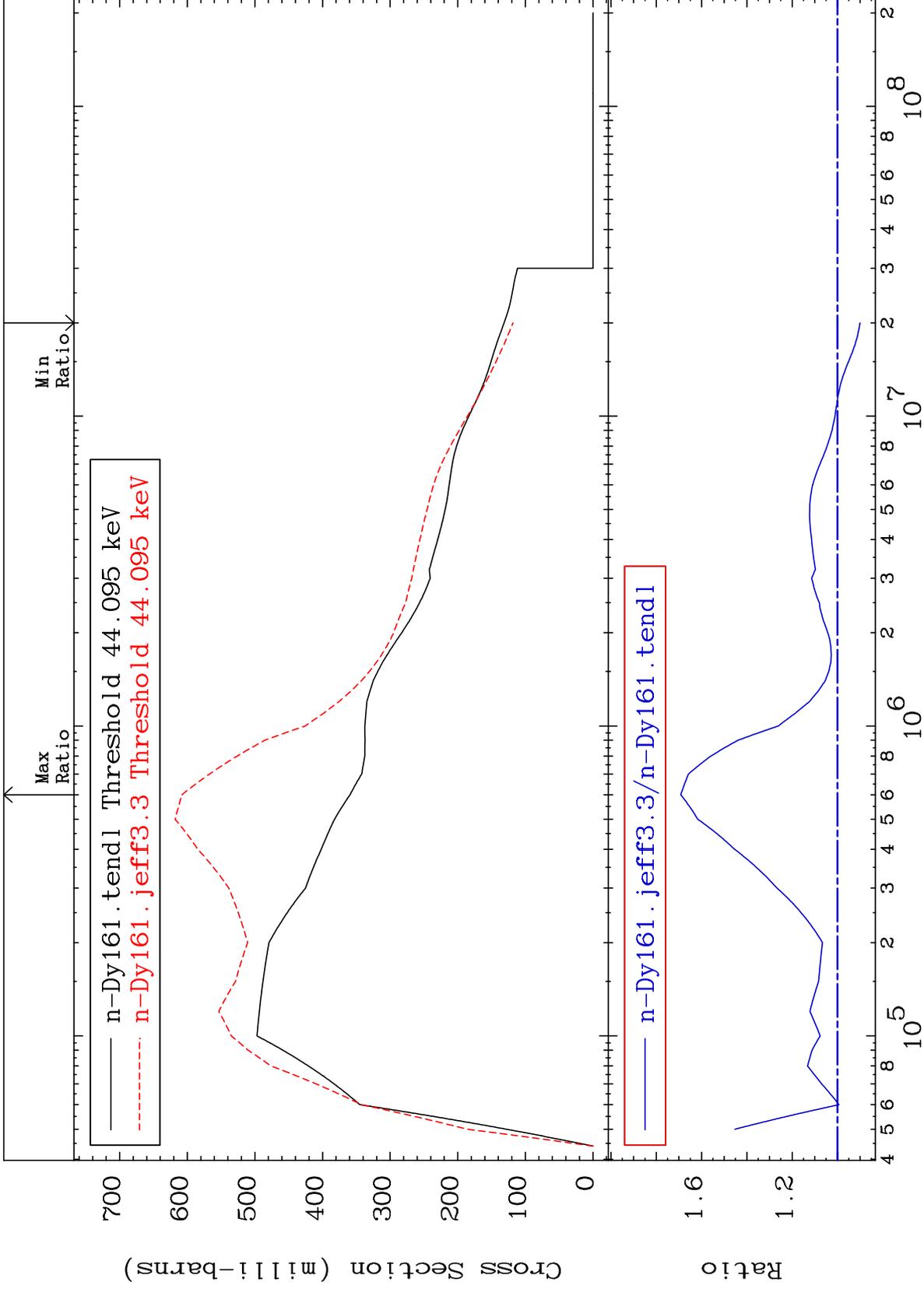
Incident Energy (eV)

66-Dy-161

MAT 6640

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

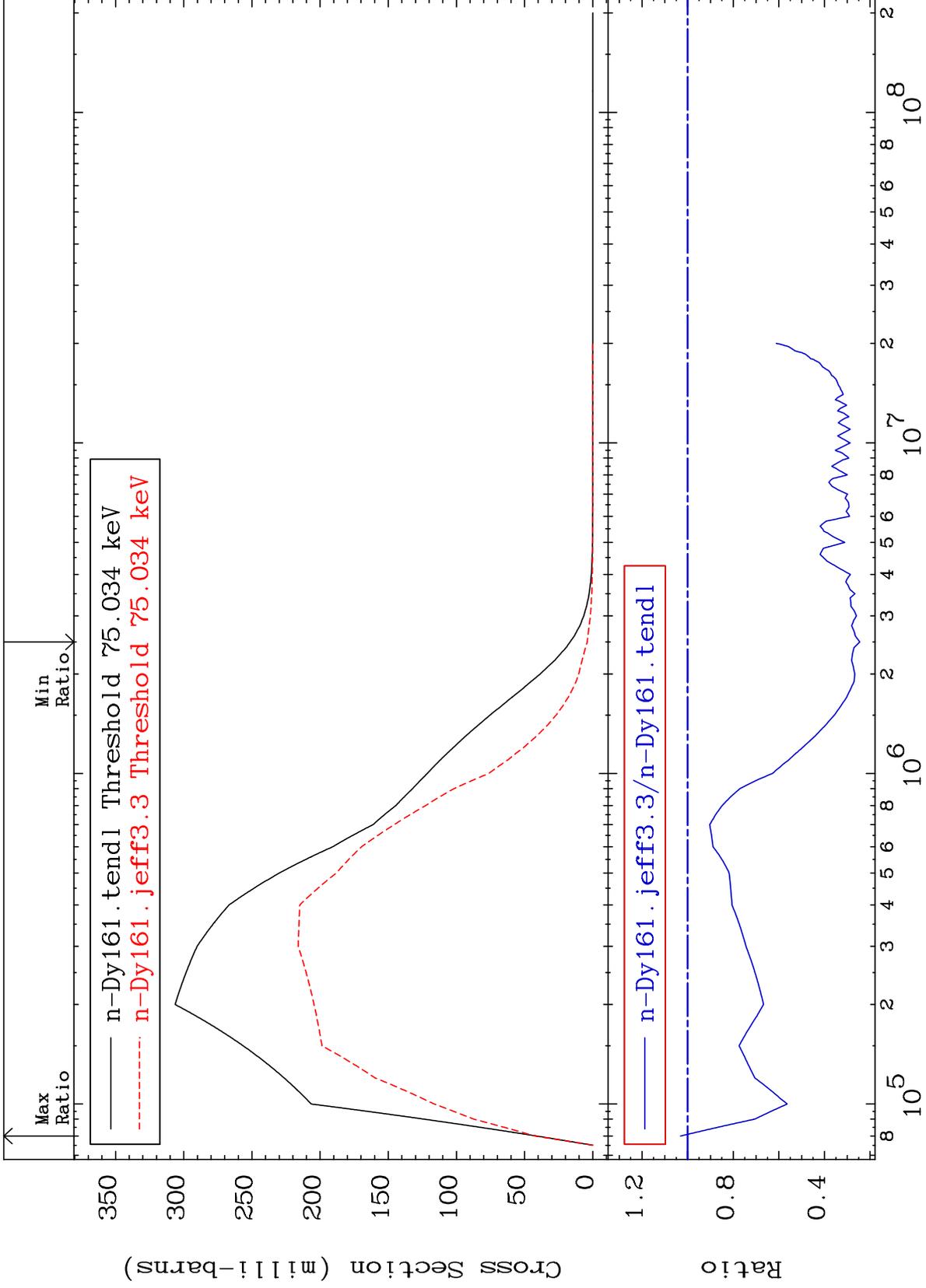
66-Dy-161  
-10.00 To 69.18 %



MAT 6640

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

66-Dy-161  
-75.48 To 3.132 %



12

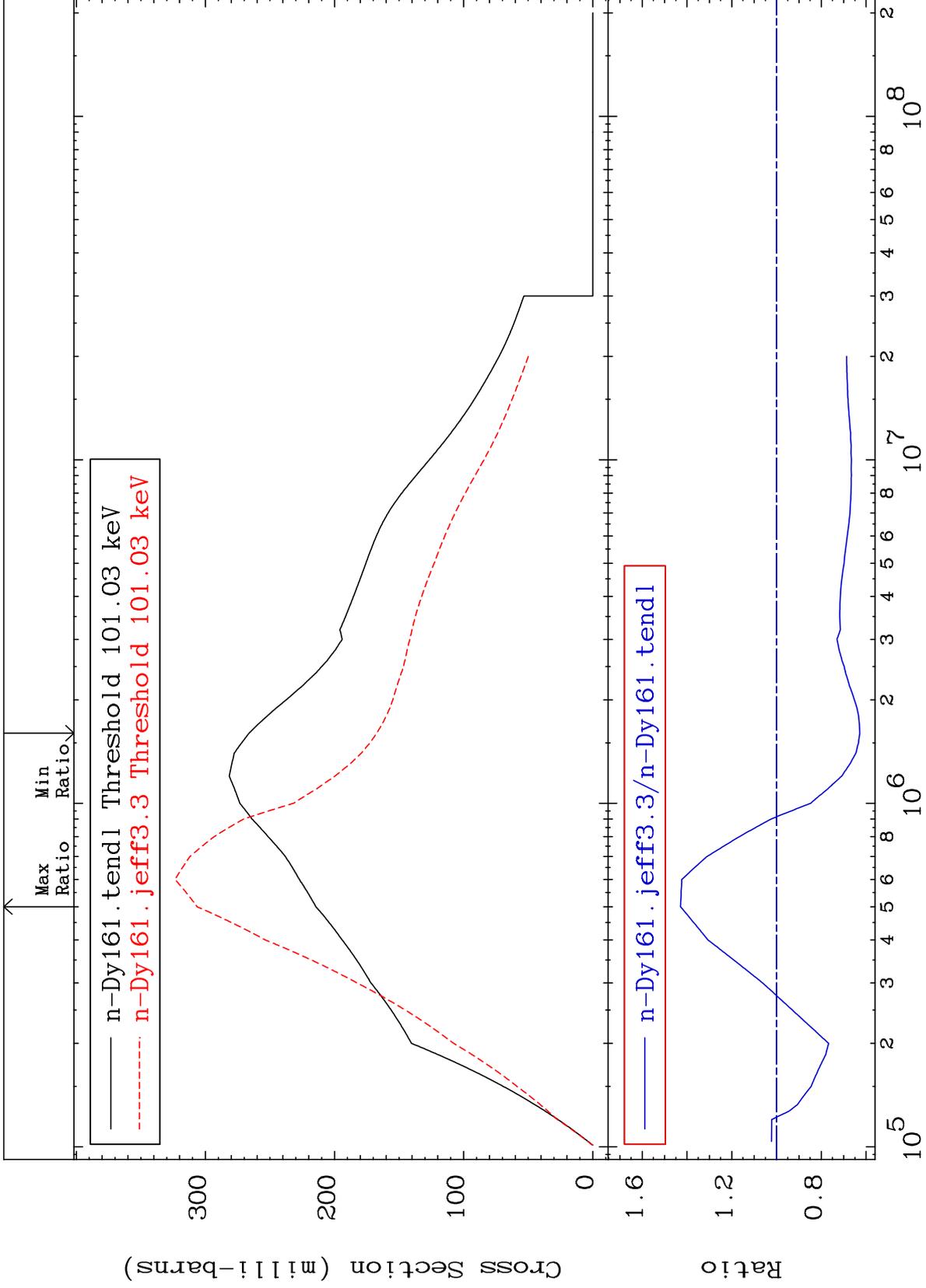
Incident Energy (eV)

66-Dy-161

MAT 6640

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

66-Dy-161  
-37.17 To 42.90 %



Incident Energy (eV)

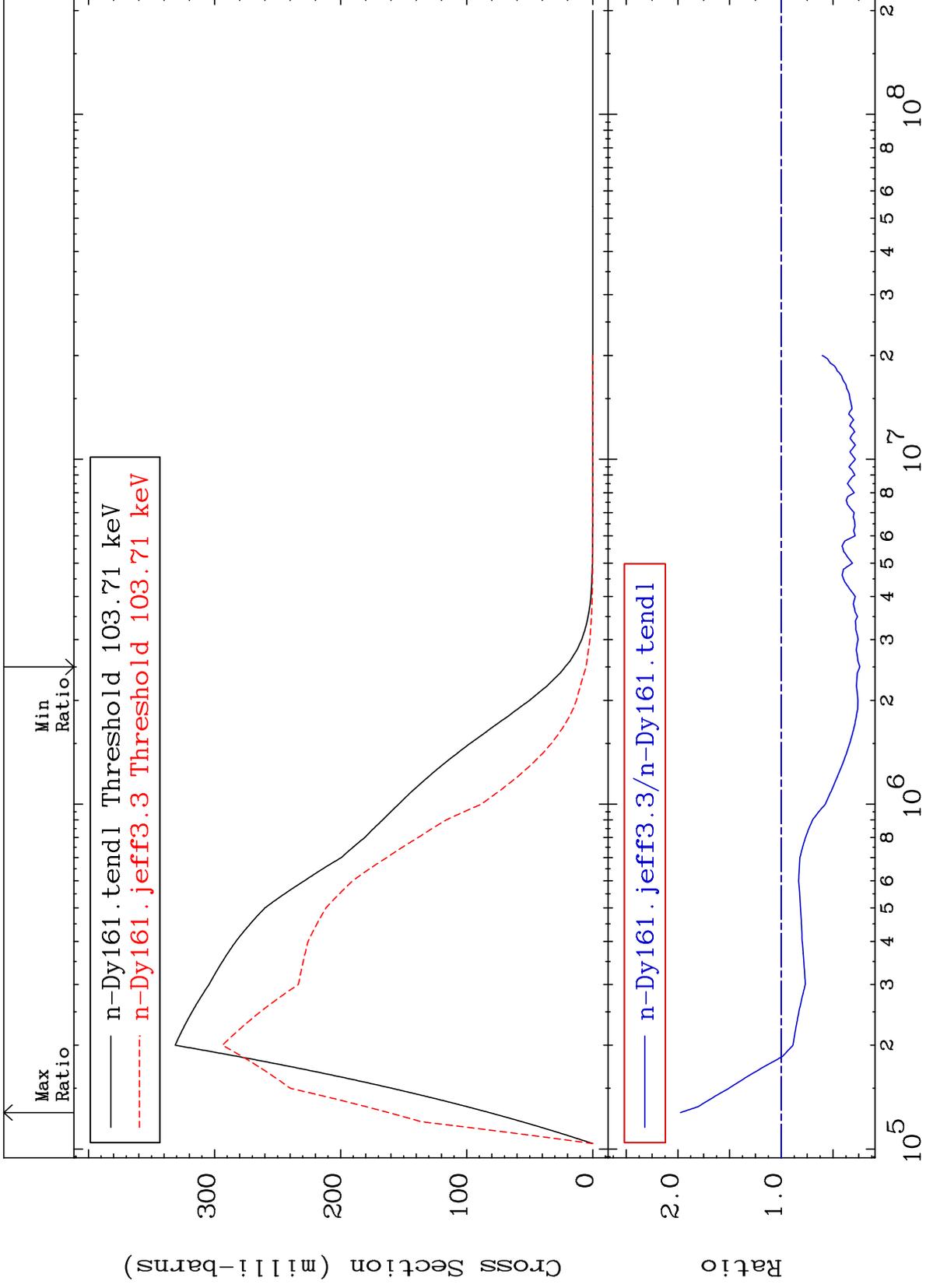
66-Dy-161

13

MAT 6640

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

66-Dy-161  
-75.92 To 97.43 %

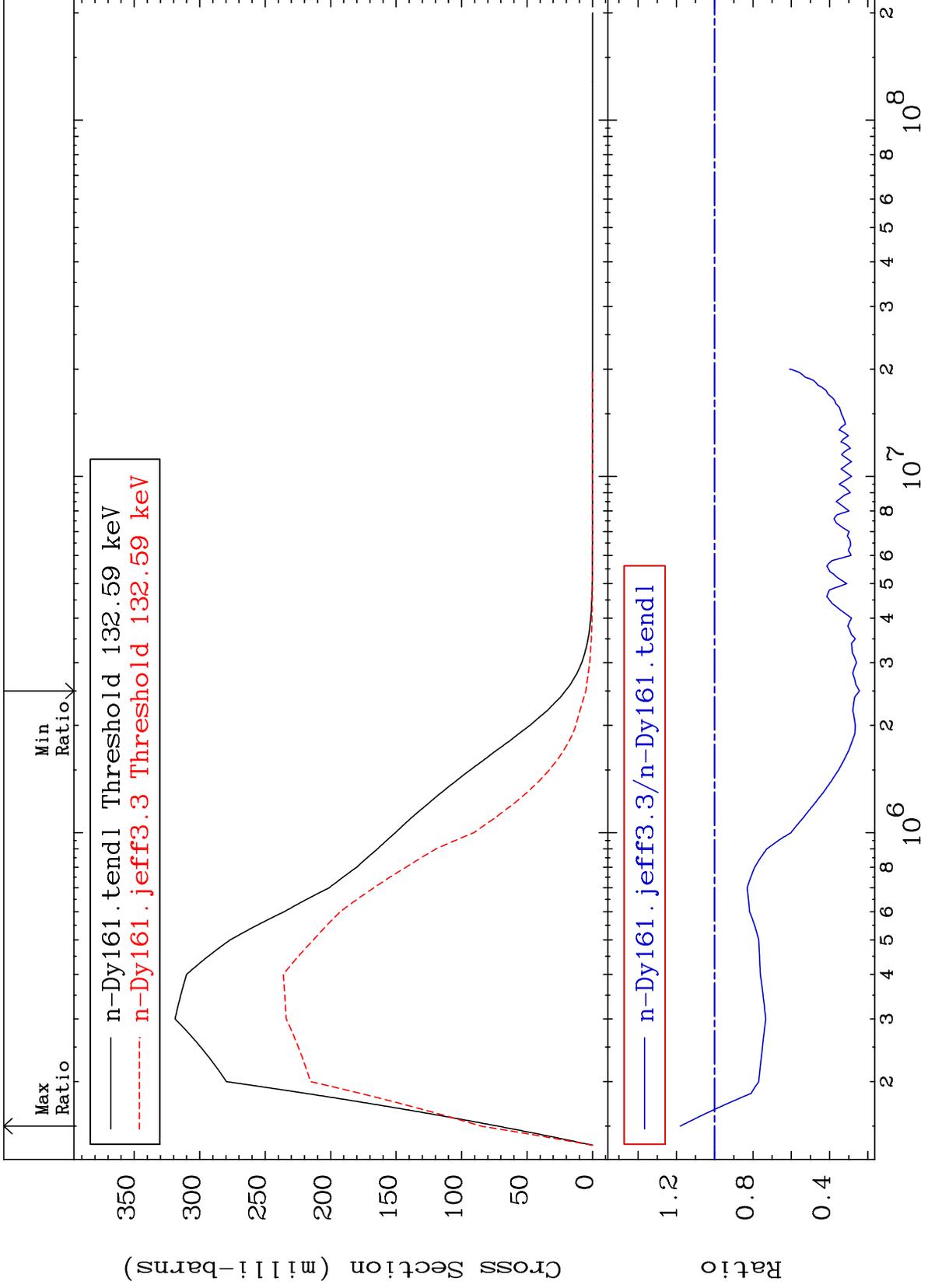


66-Dy-161

MAT 6640

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

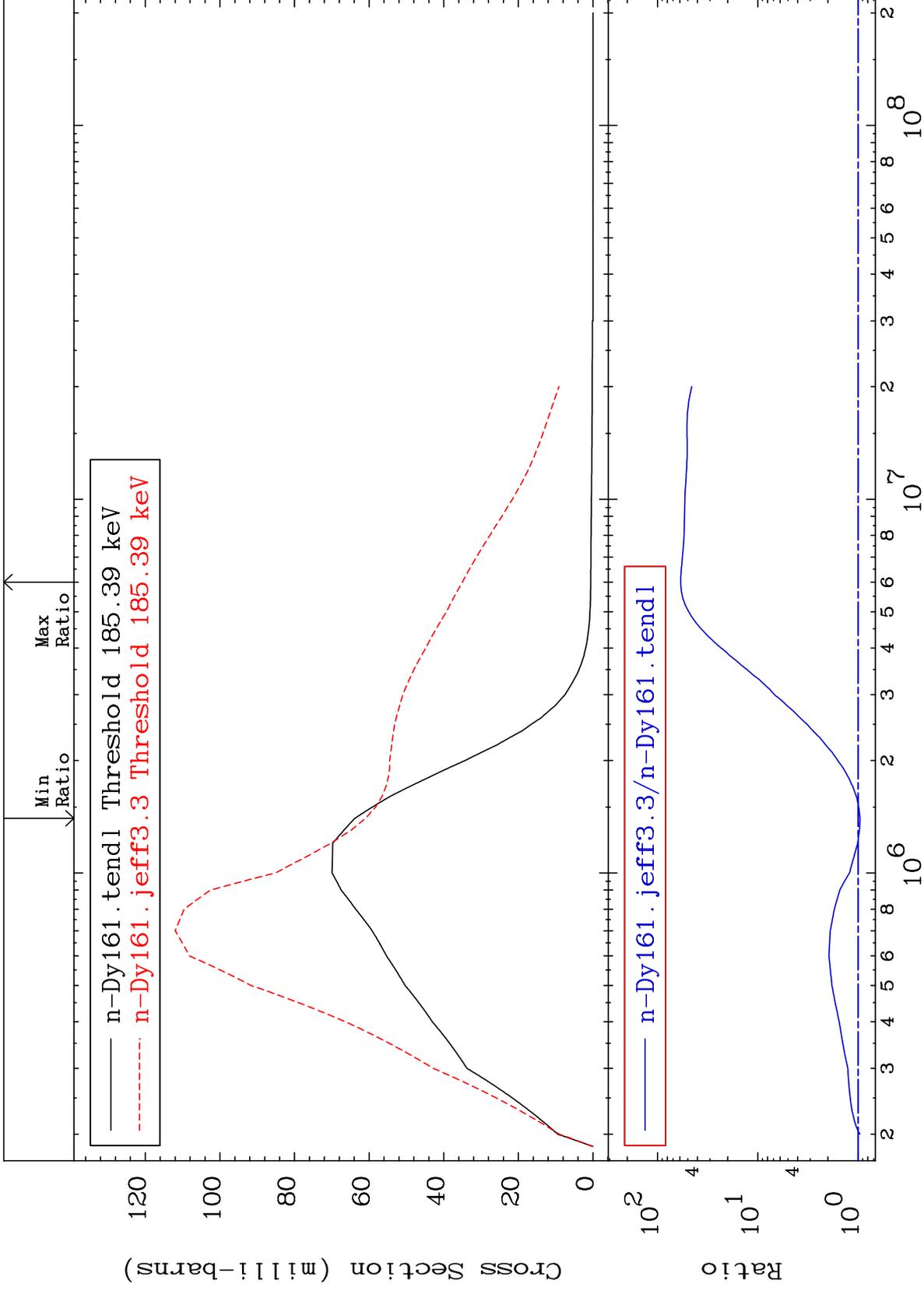
66-Dy-161  
-75.60 To 17.96 %



MAT 6640

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

66-Dy-161  
-4.521 To 5767. %



16

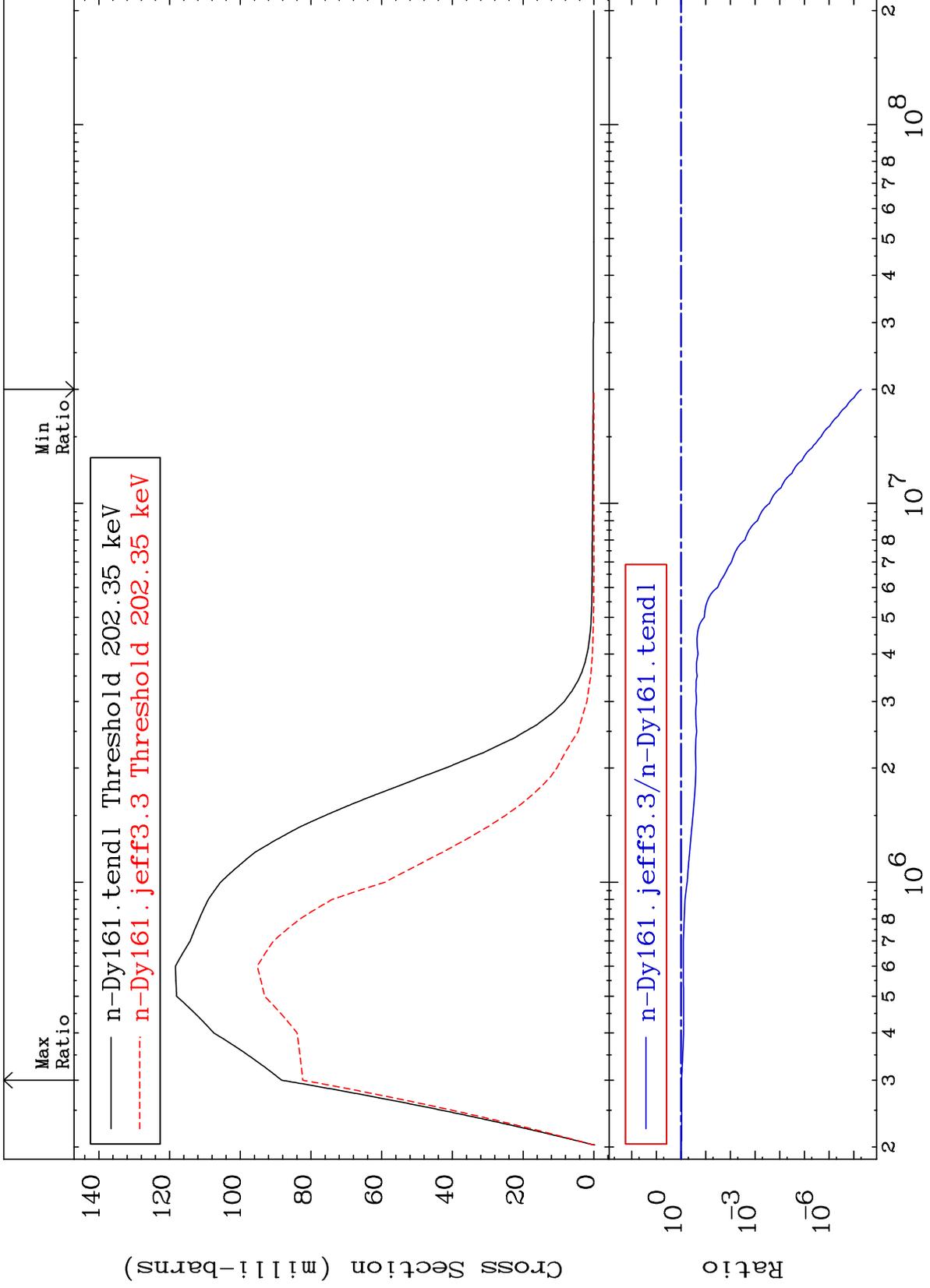
Incident Energy (eV)

66-Dy-161

MAT 6640

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

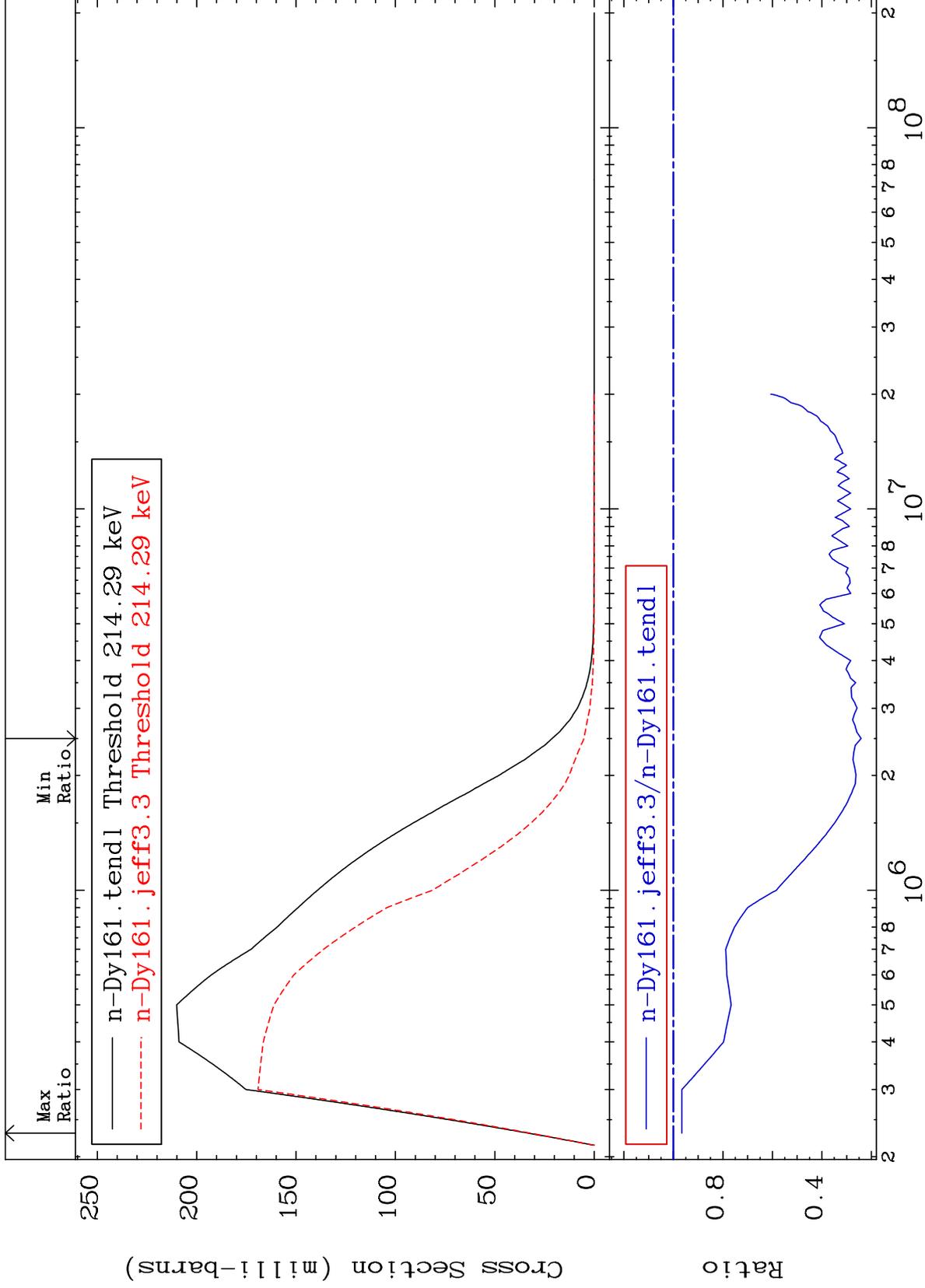
66-Dy-161  
-100.0 To -6.768%



MAT 6640

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

66-Dy-161  
-75.85 To -3.440%



18

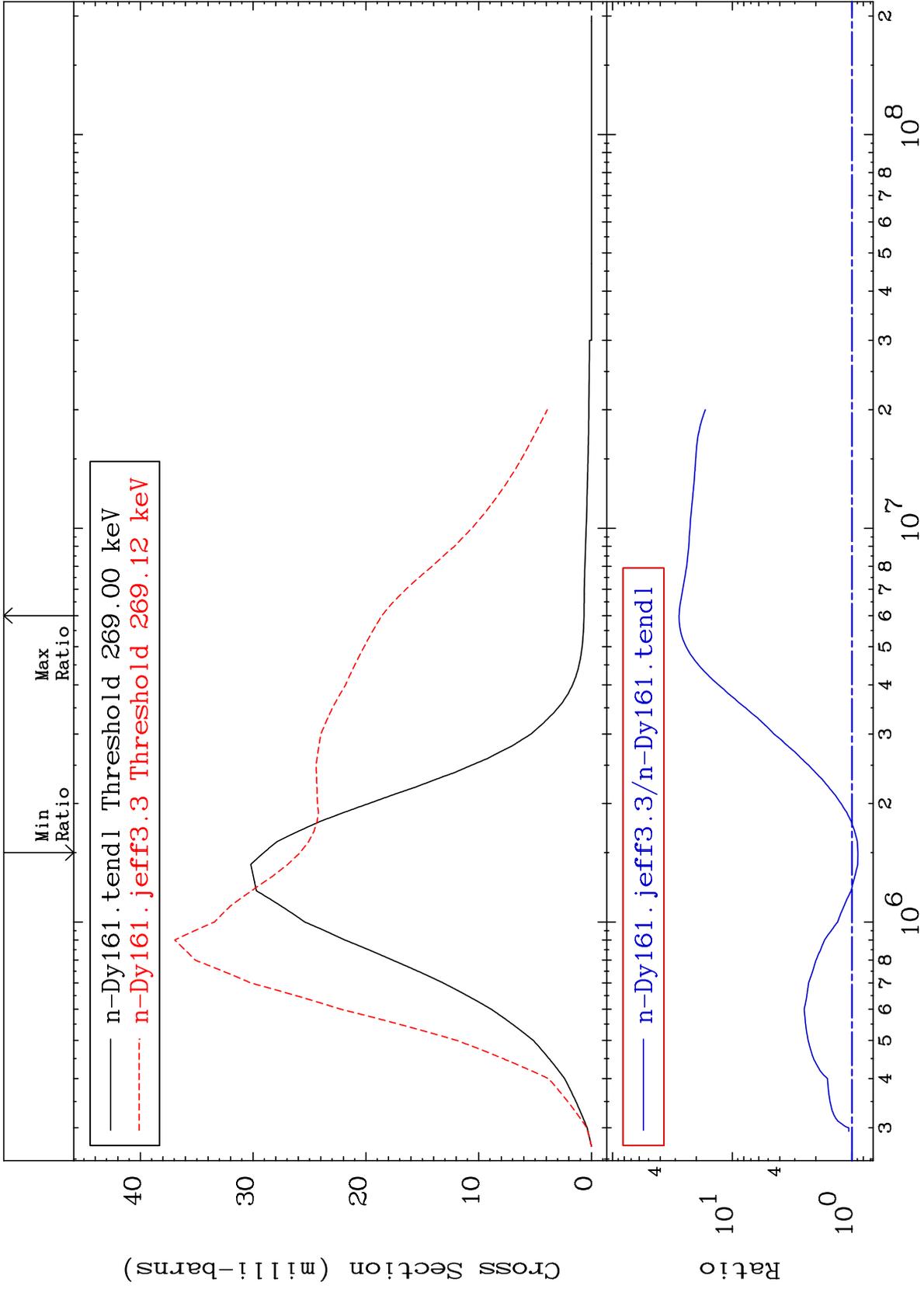
66-Dy-161

66-Dy-161

MAT 6640

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

66-Dy-161  
-11.07 To 2684. %



19

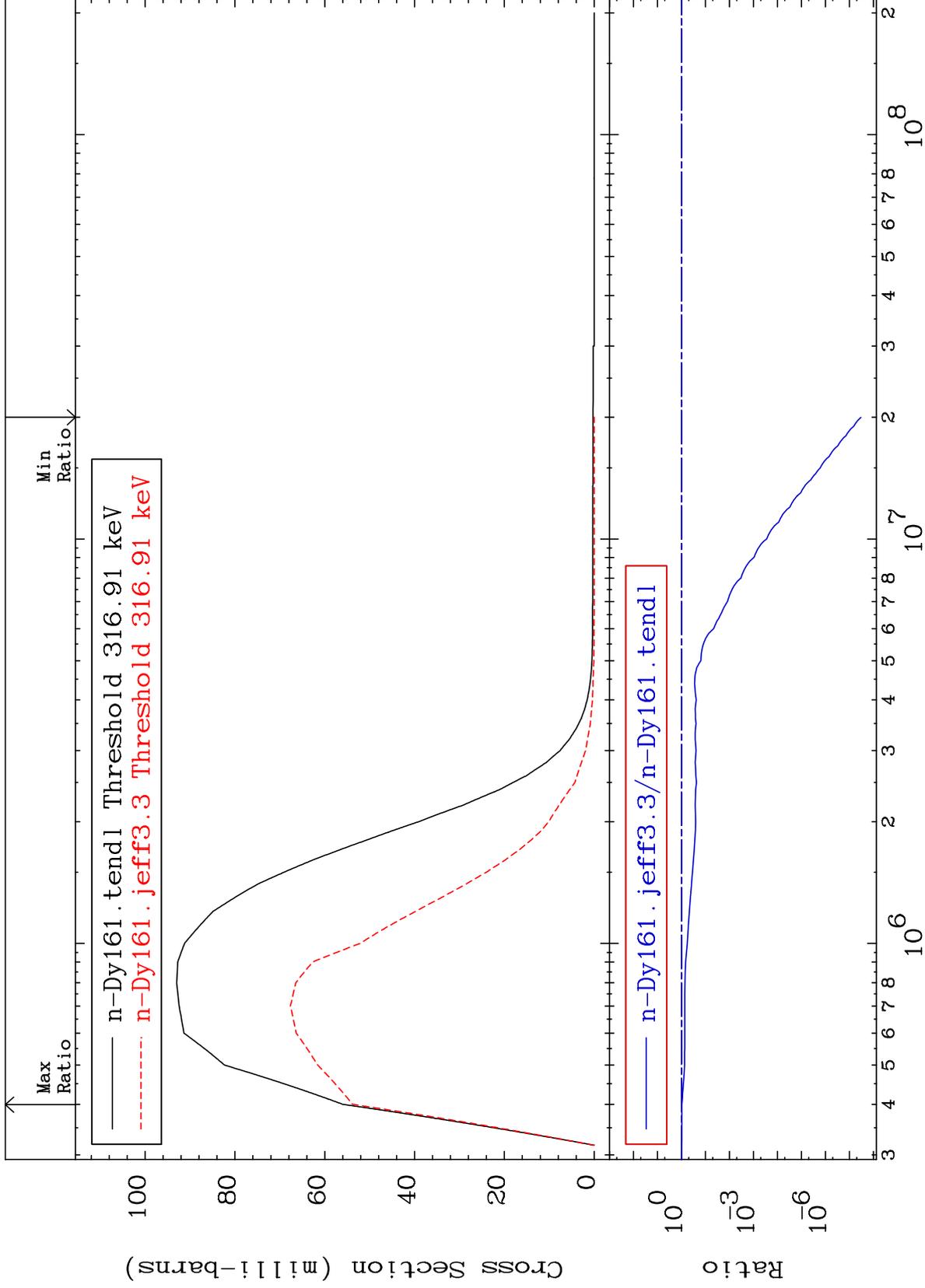
Incident Energy (eV)

66-Dy-161

MAT 6640

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

66-Dy-161  
-100.0 To -3.846%



20

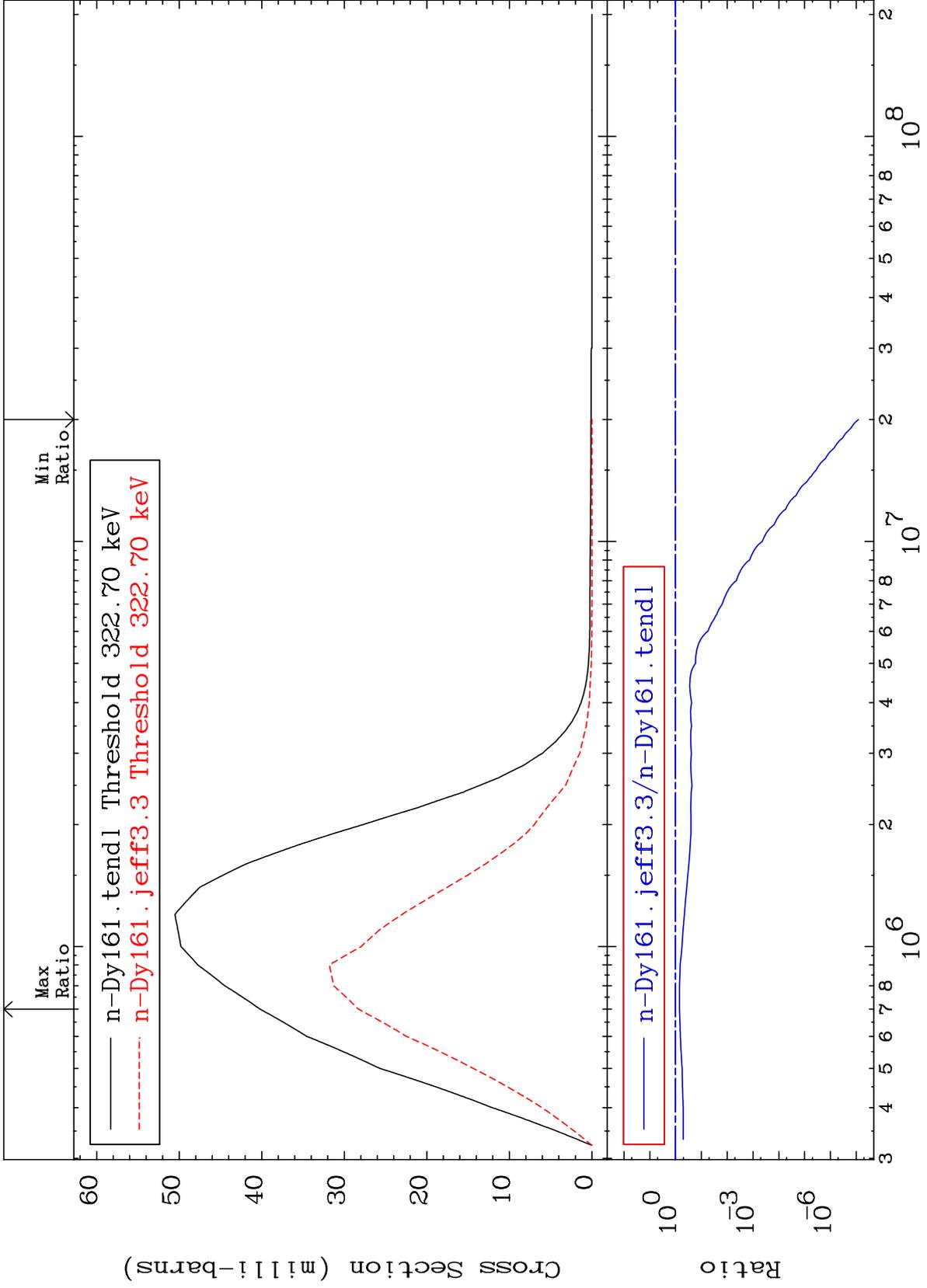
66-Dy-161

66-Dy-161

MAT 6640

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

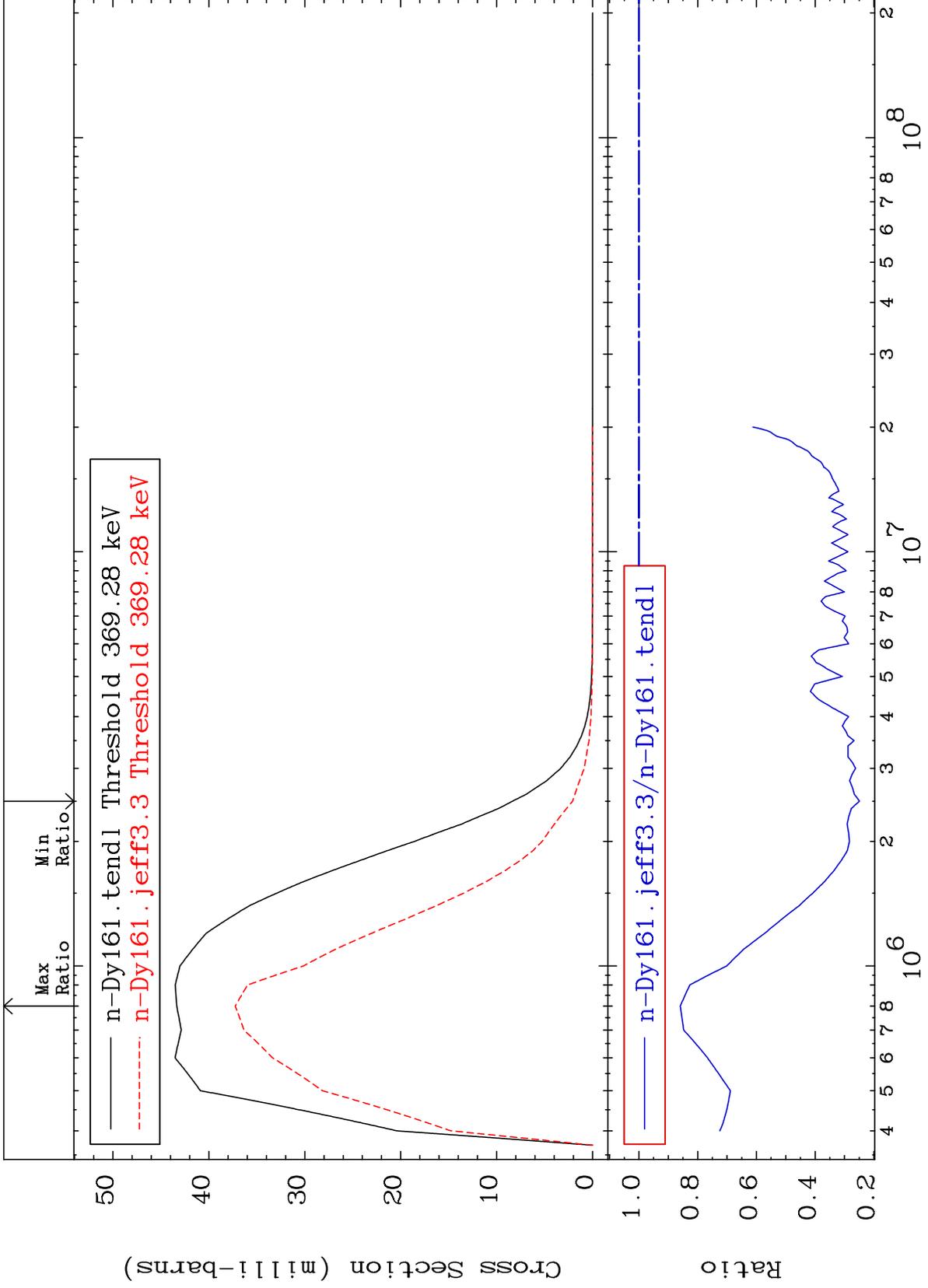
66-Dy-161  
-100.0 To -29.63%



MAT 6640

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

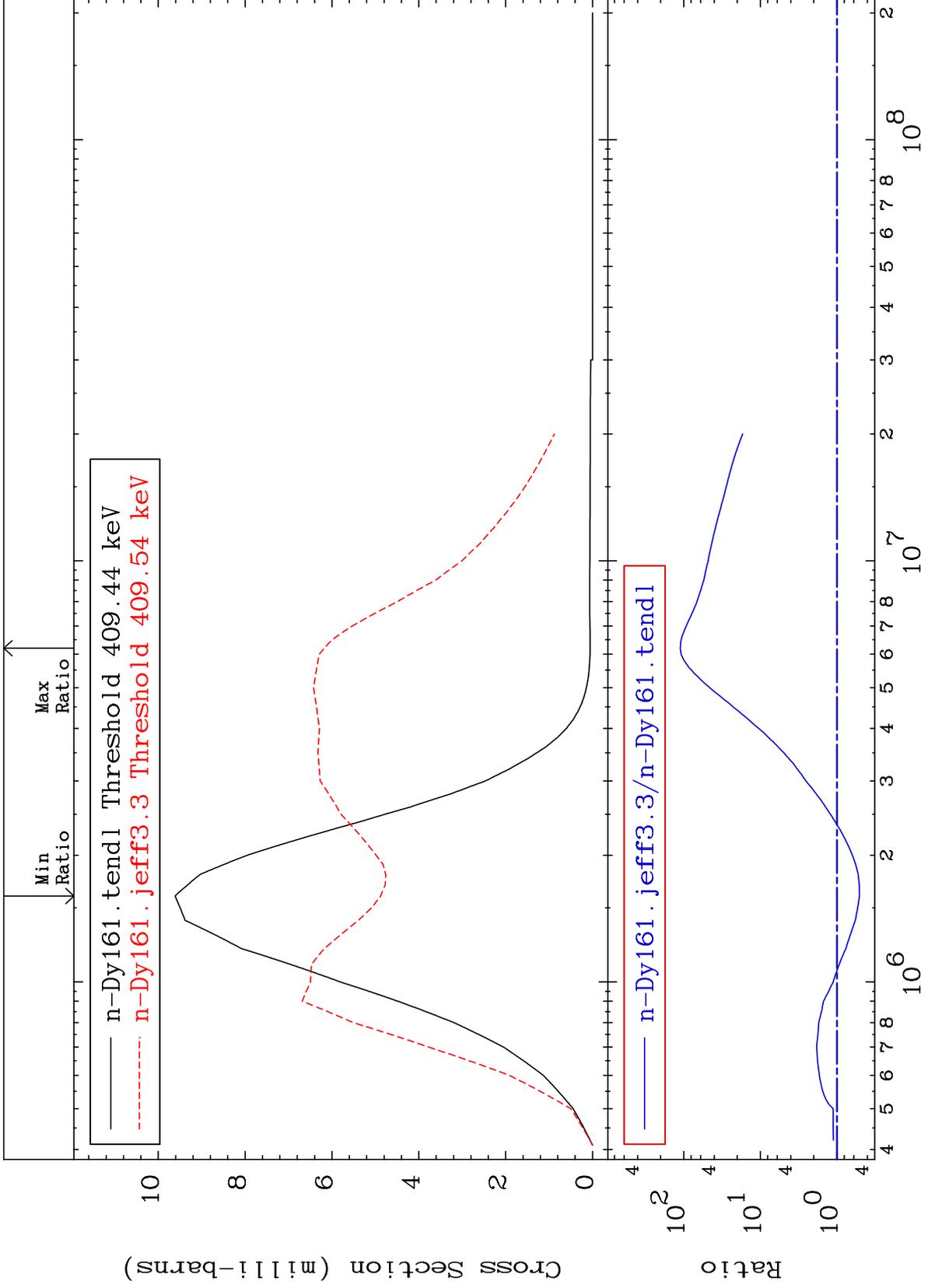
66-Dy-161  
-75.09 To -14.08%



MAT 6640

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

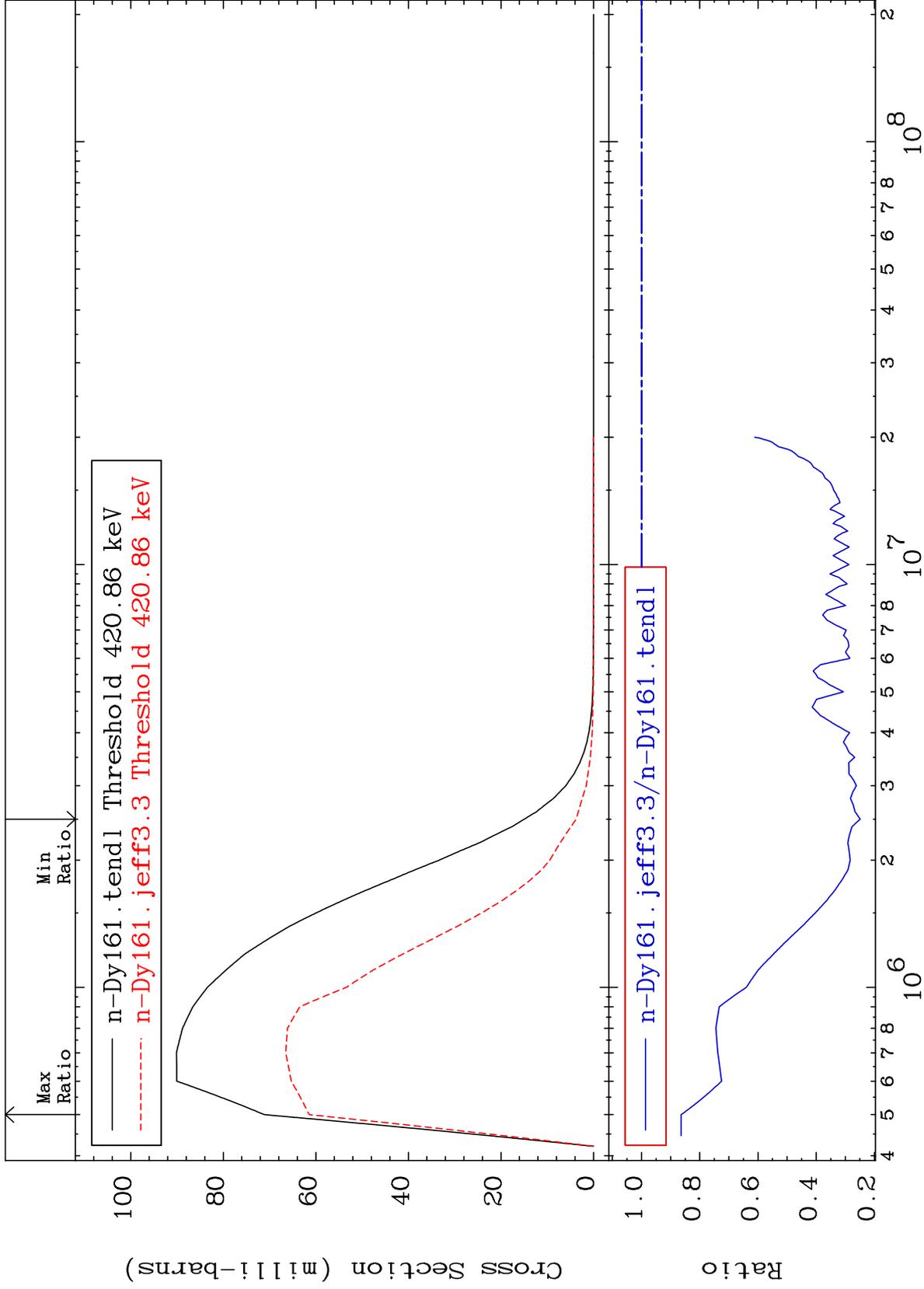
66-Dy-161  
-49.25 To 9999. %



MAT 6640

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

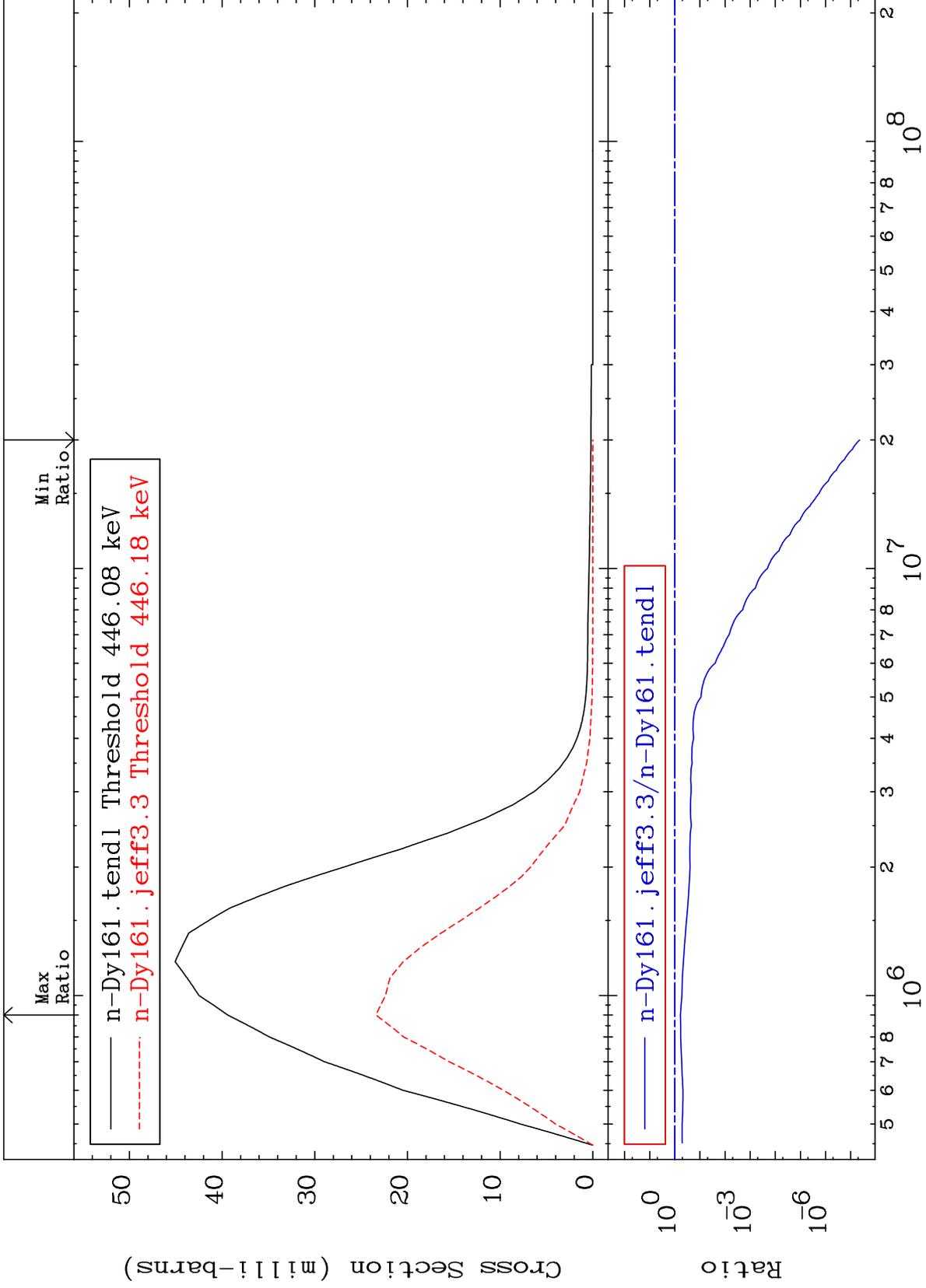
66-Dy-161  
-75.11 To -13.62%



MAT 6640

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

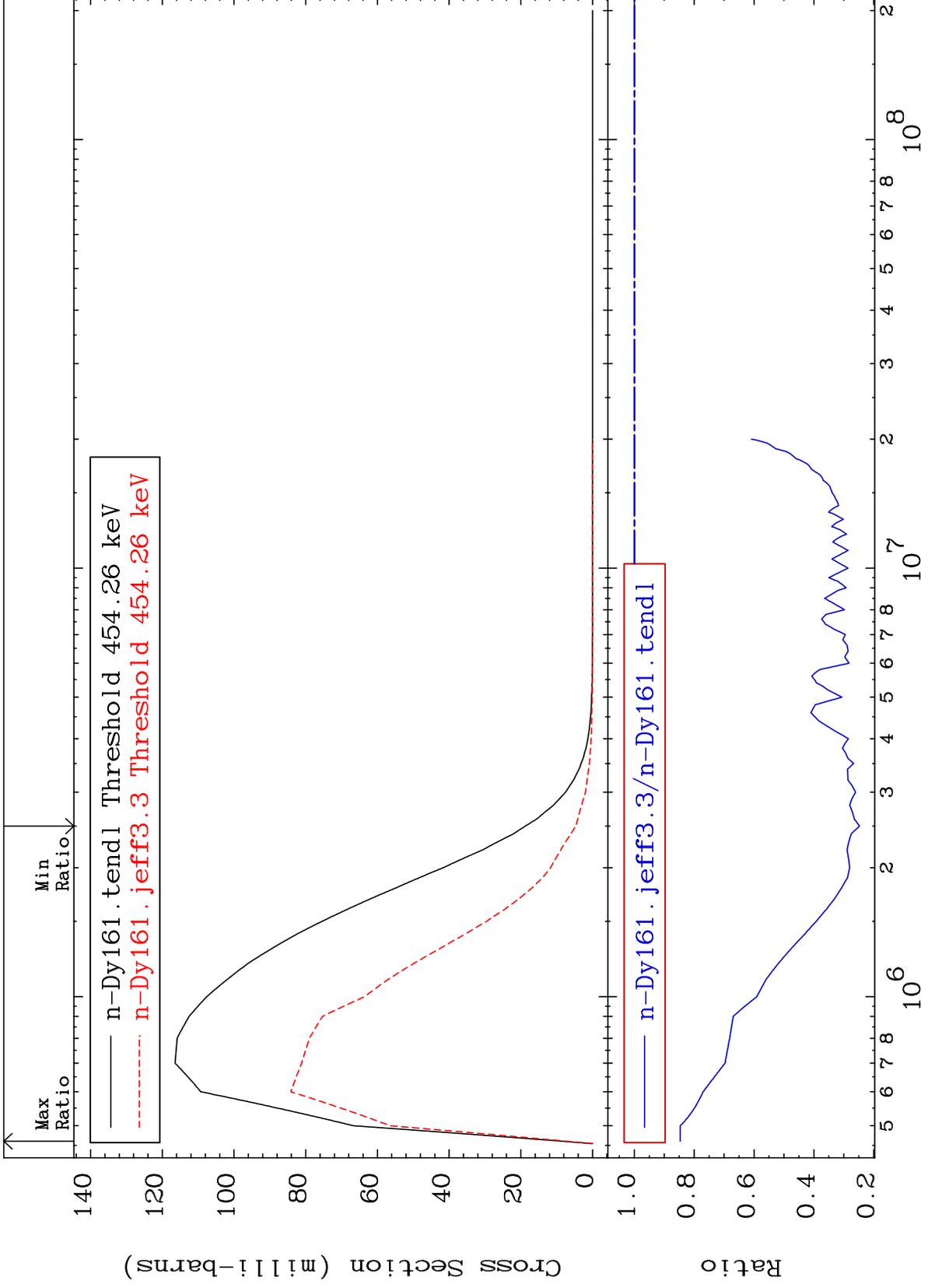
66-Dy-161  
-100.0 To -40.61%



MAT 6640

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

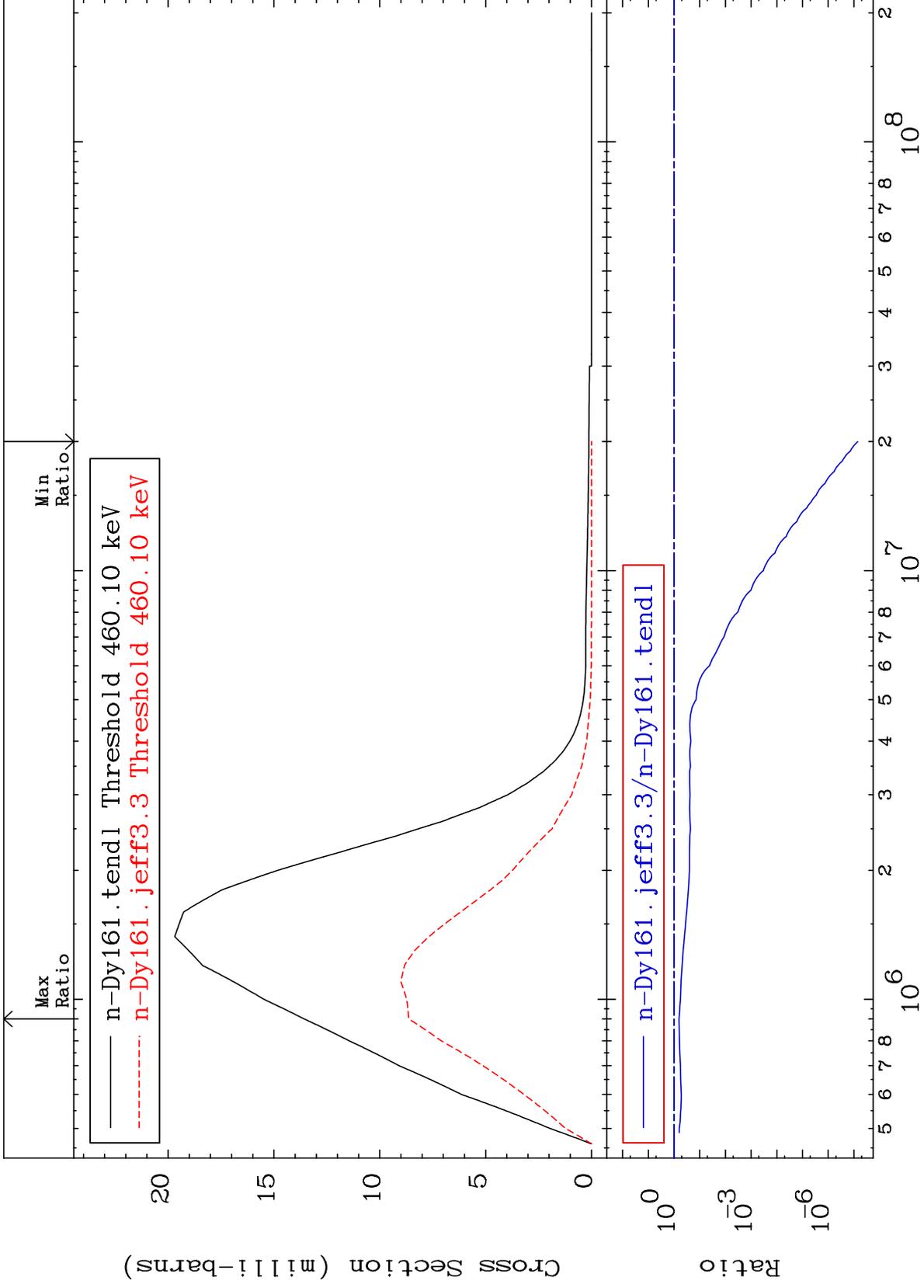
66-Dy-161  
-75.23 To -15.36%



MAT 6640

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

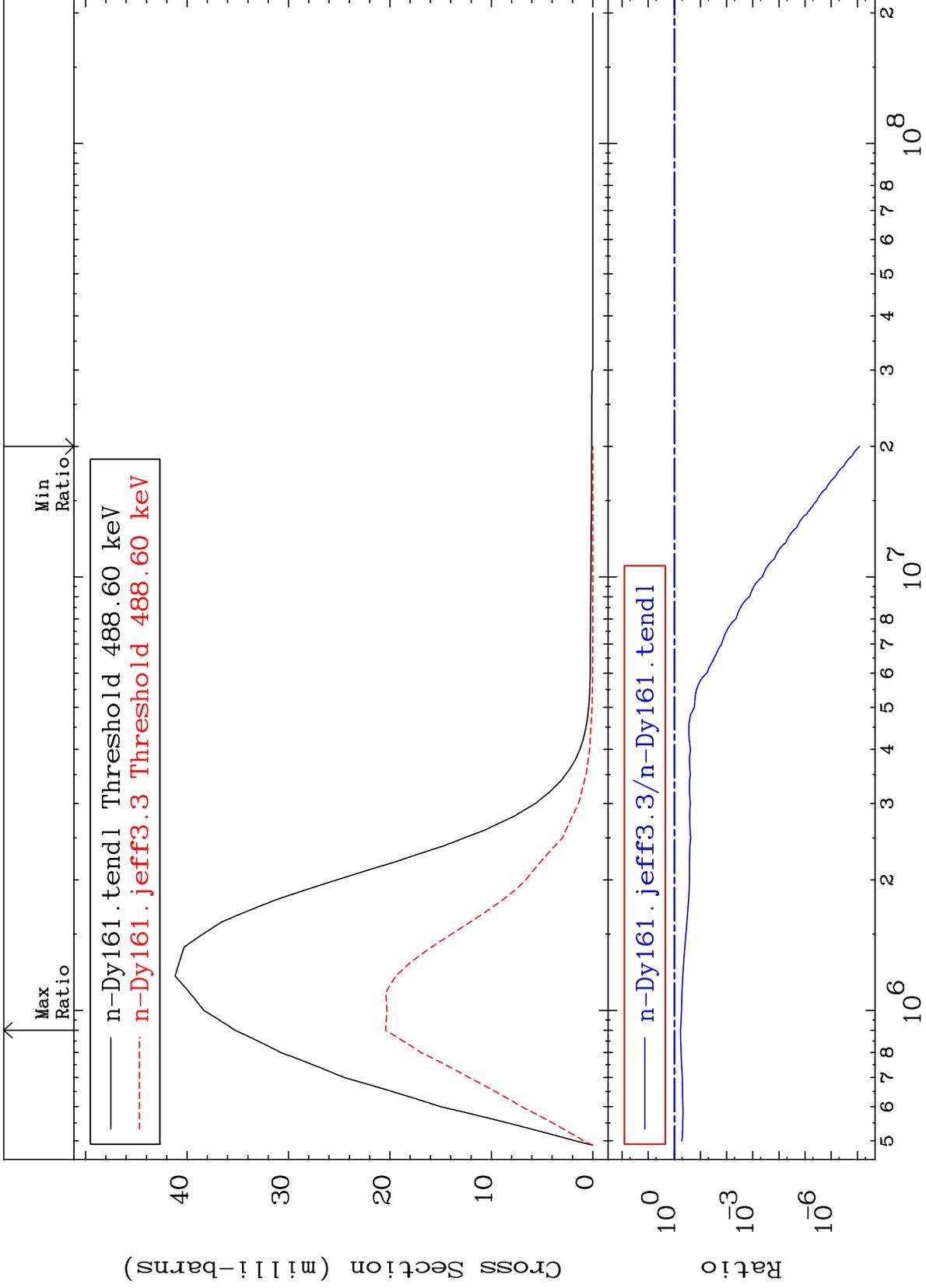
66-Dy-161  
-100.0 To -36.45%



MAT 6640

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

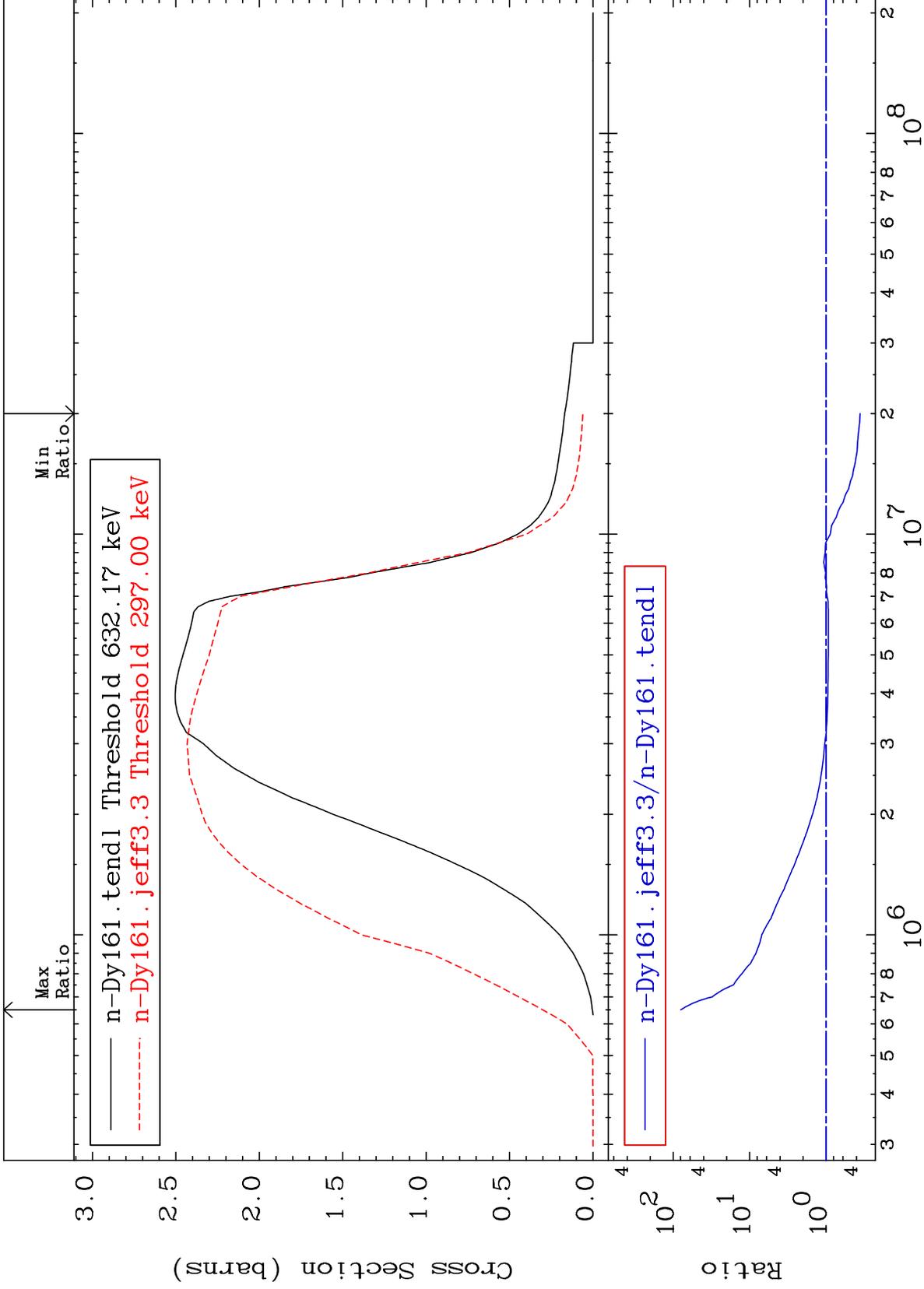
66-Dy-161  
-100.0 To -42.07%



MAT 6640

(n, n') Continuum  
Cross Section

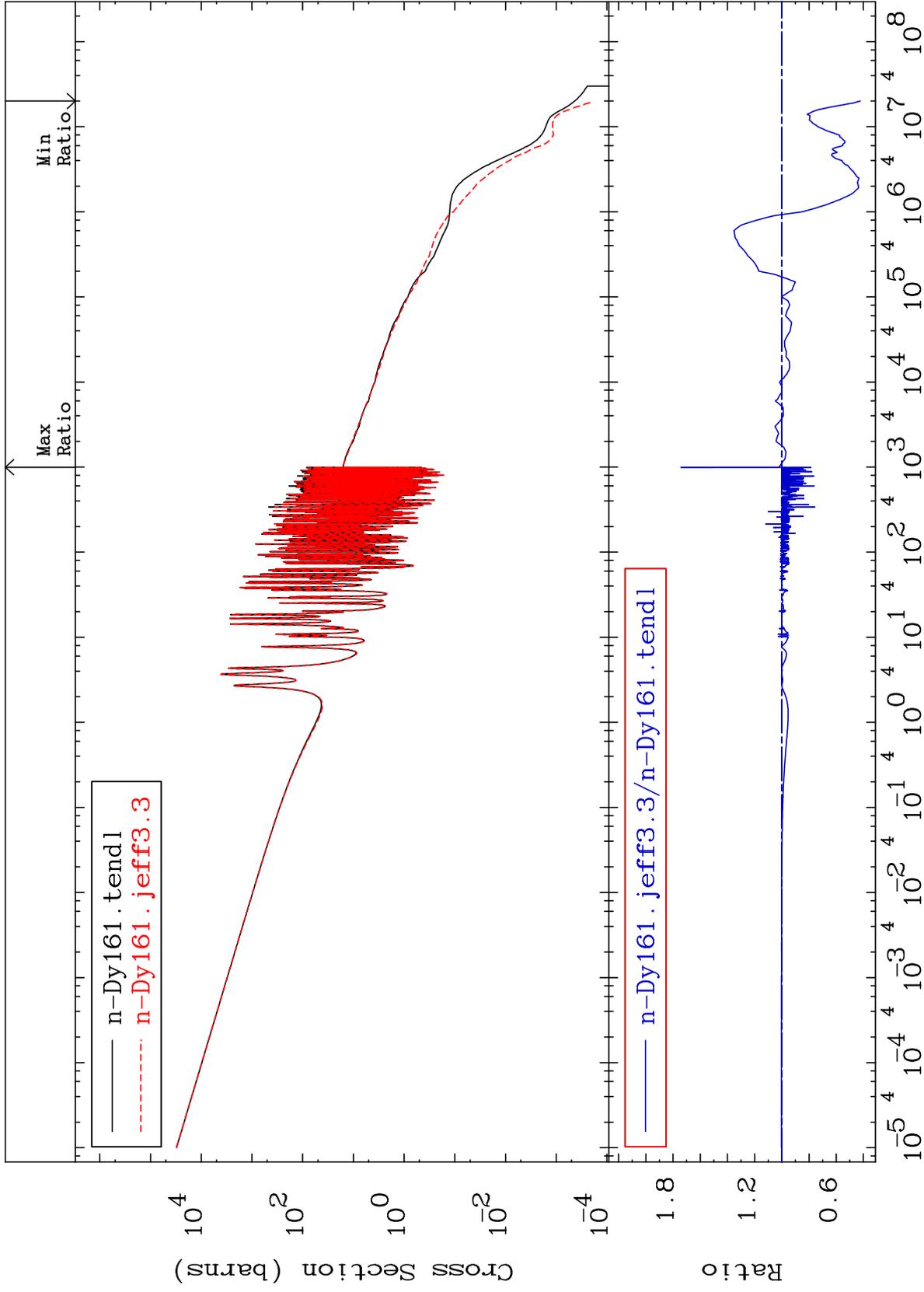
66-Dy-161  
-64.09 To 7862. %



MAT 6640

(n,  $\gamma$ )  
Cross Section

66-Dy-161  
-57.63 To 74.00 %



30

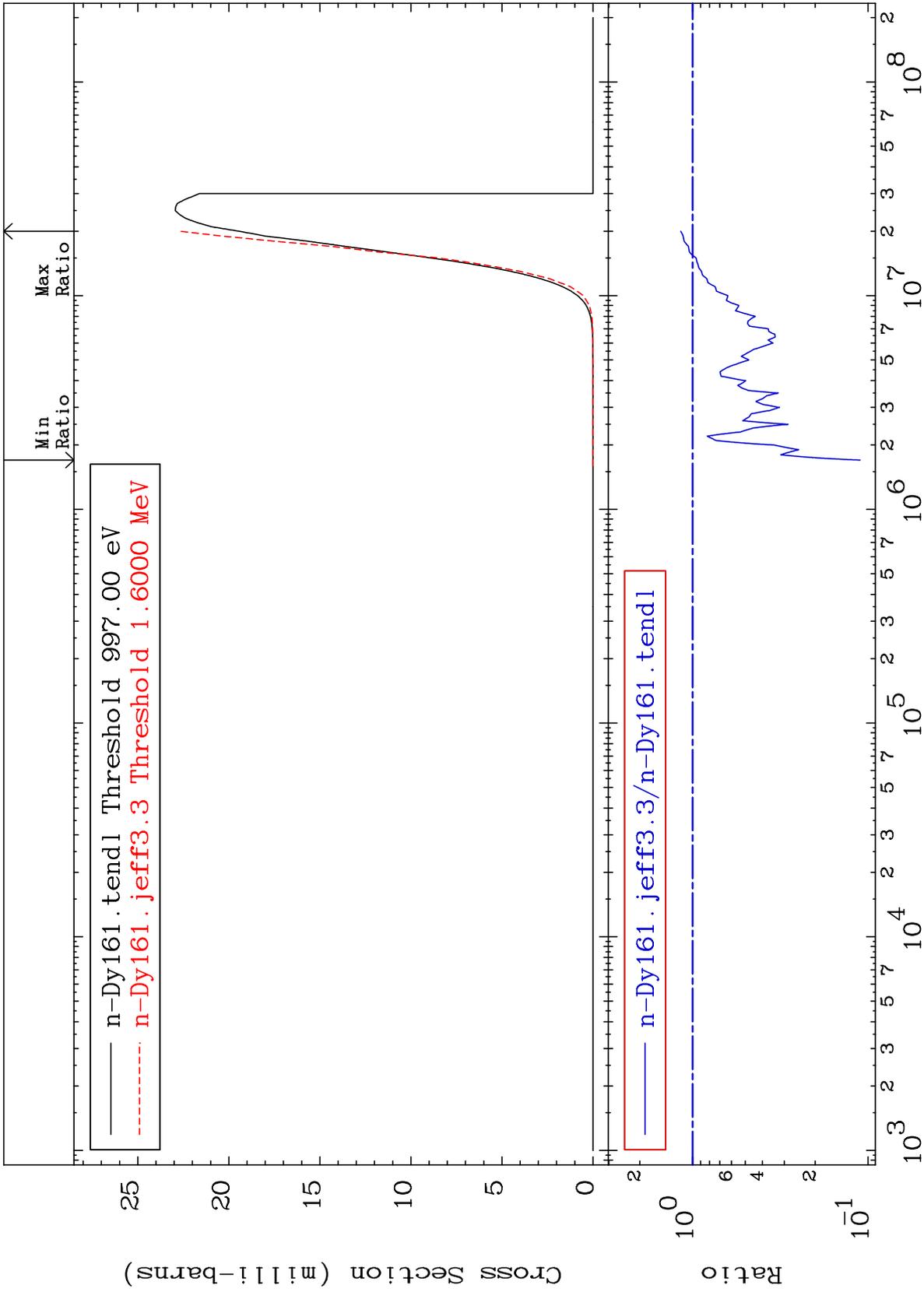
Incident Energy (eV)

66-Dy-161

MAT 6640

(n,p)  
Cross Section

66-Dy-161  
-88.92 To 16.74 %



31

Incident Energy (eV)

66-Dy-161

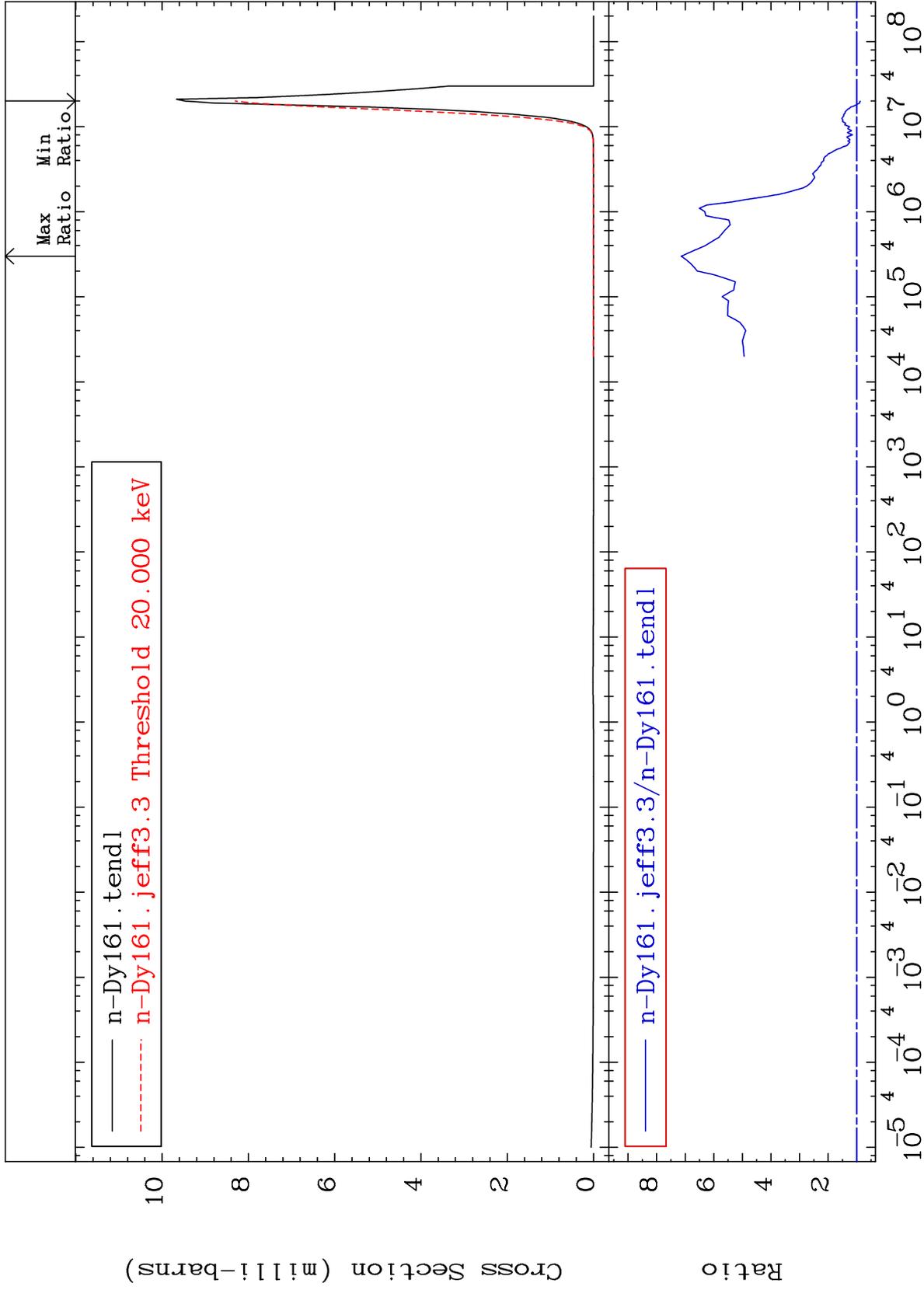
MAT 6640

(n,  $\alpha$ )

66-Dy-161

Cross Section

-12.27 To 614.1 %



32

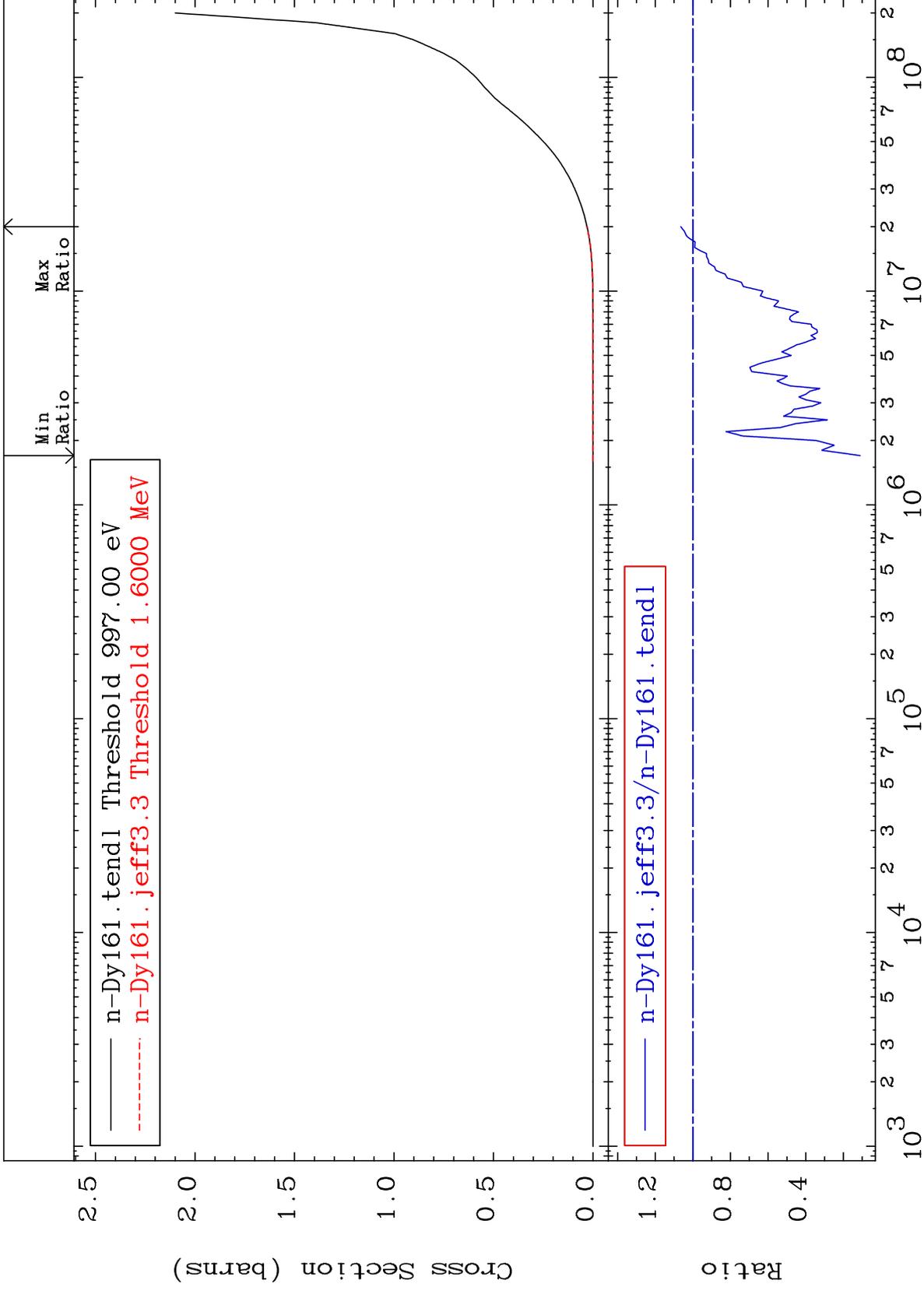
Incident Energy (eV)

66-Dy-161

MAT 6640

Hydrogen Production  
Cross Section

66-Dy-161  
-88.92 To 6.437 %



33

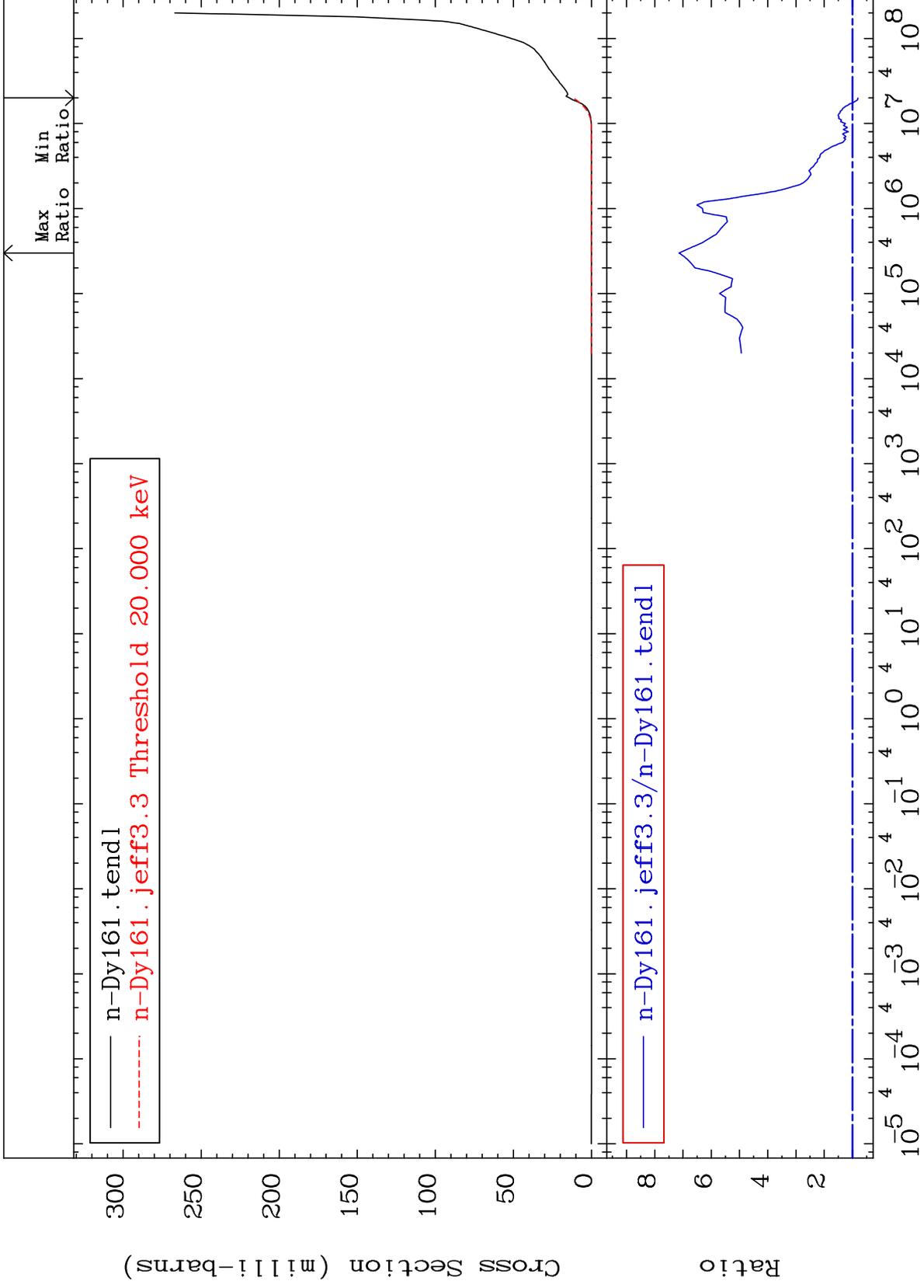
Incident Energy (eV)

66-Dy-161

MAT 6640

He-4 Production  
Cross Section

66-Dy-161  
-19.31 To 614.1 %



34

Incident Energy (eV)

66-Dy-161

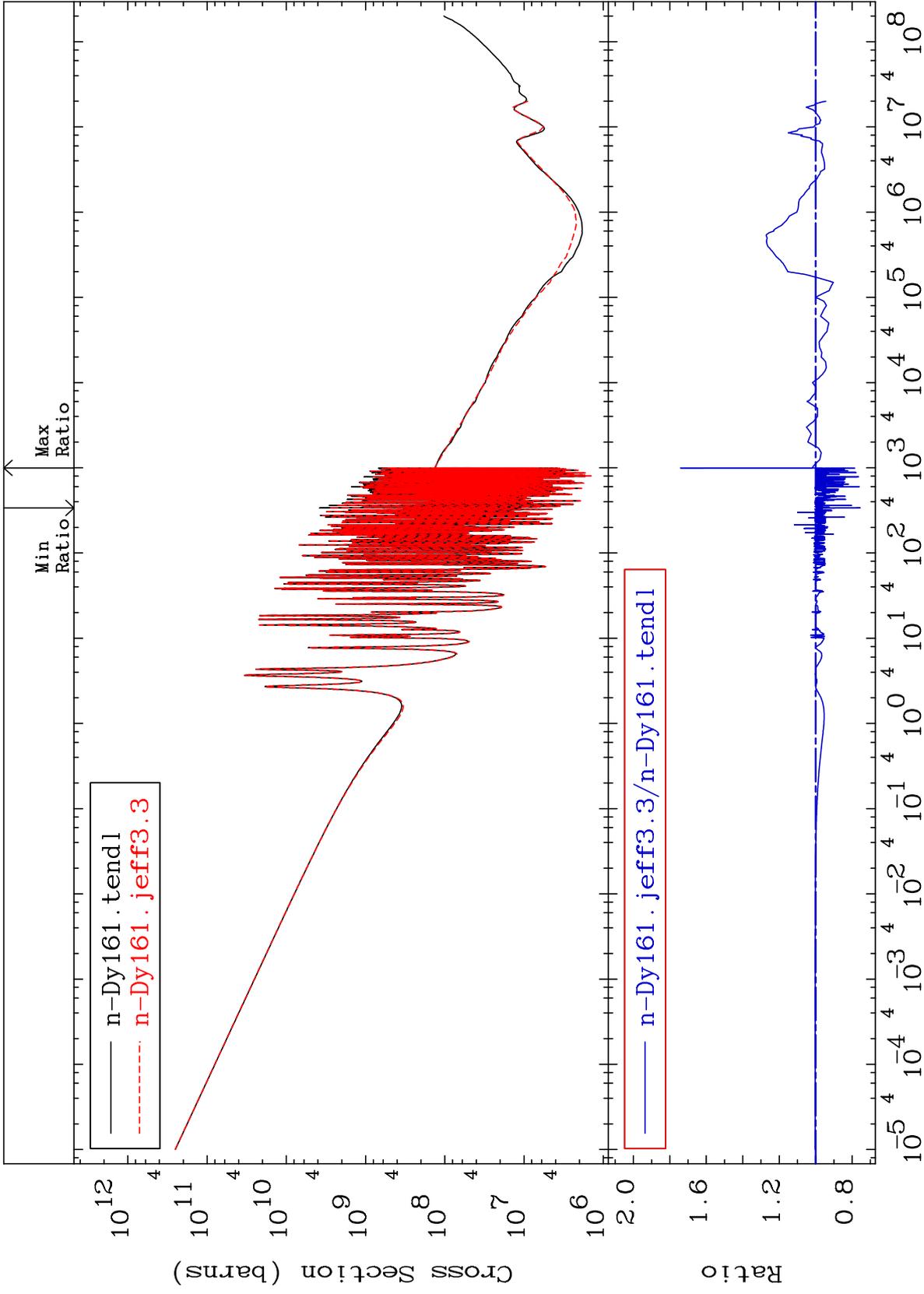
MAT 6640

Kerma total (eV-barns)

66-Dy-161

Cross Section

-24.36 To 74.00 %



35

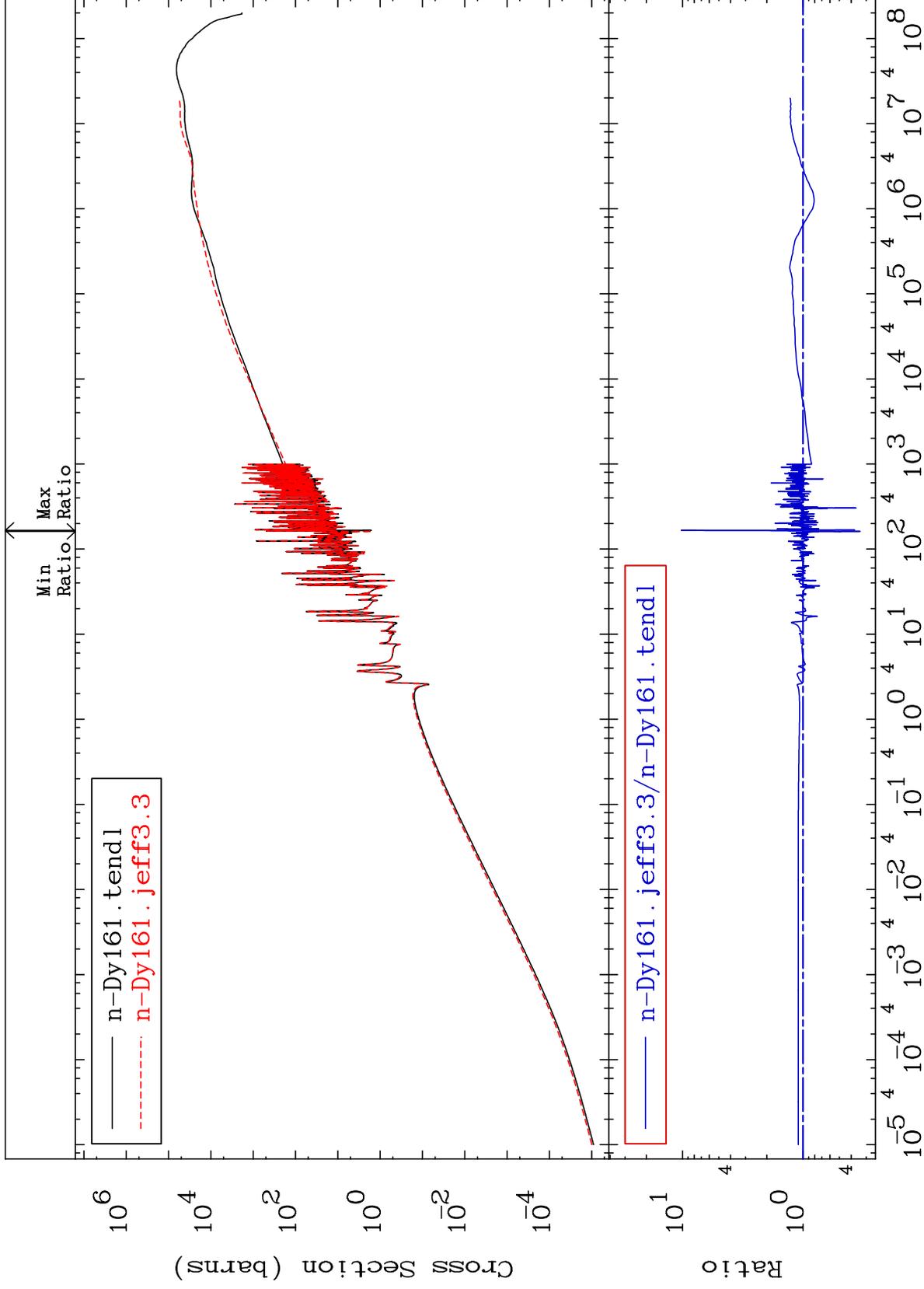
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma elastic  
Cross Section

66-Dy-161  
-66.36 To 927.0 %



36

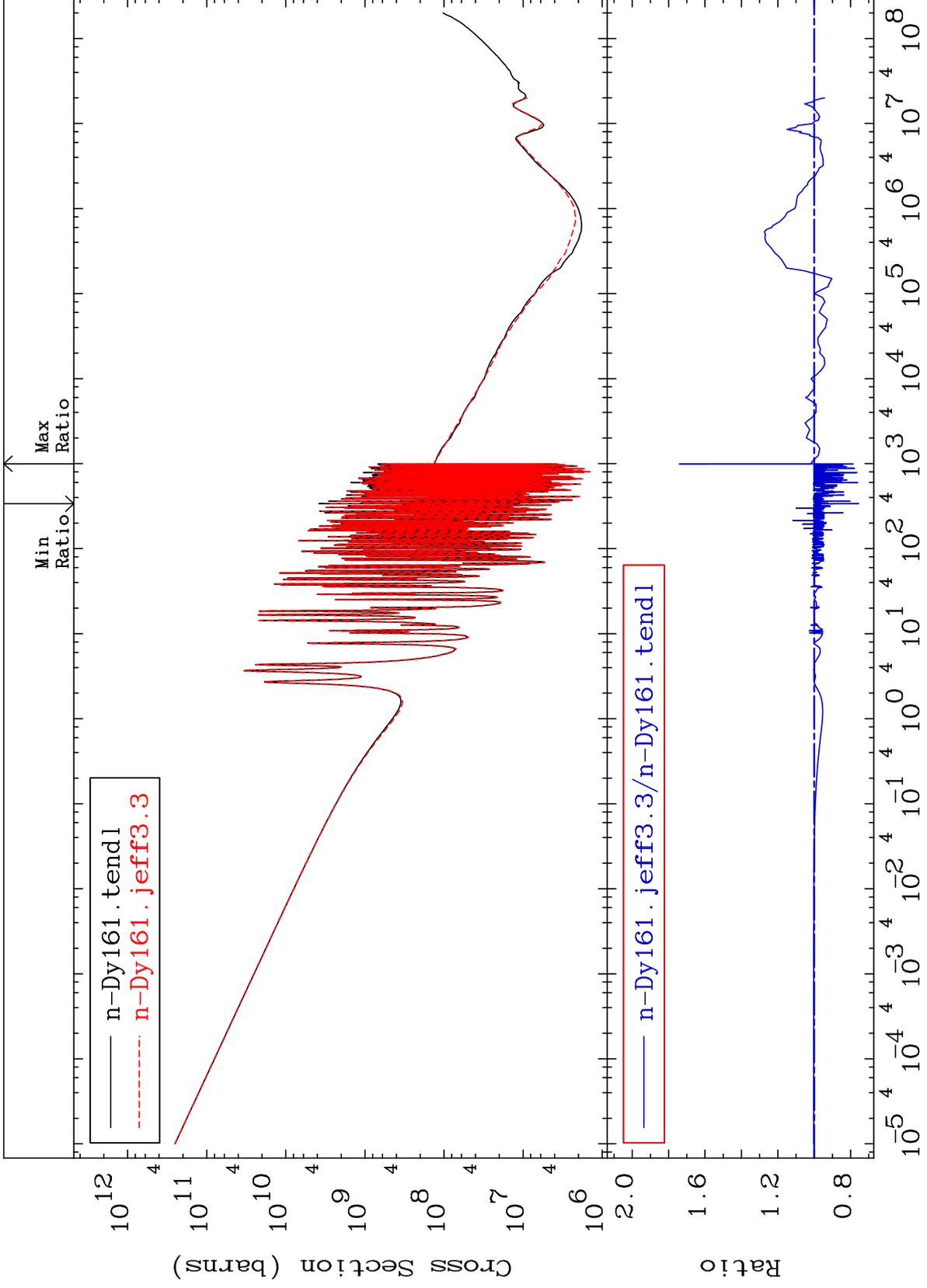
Incident Energy (eV)

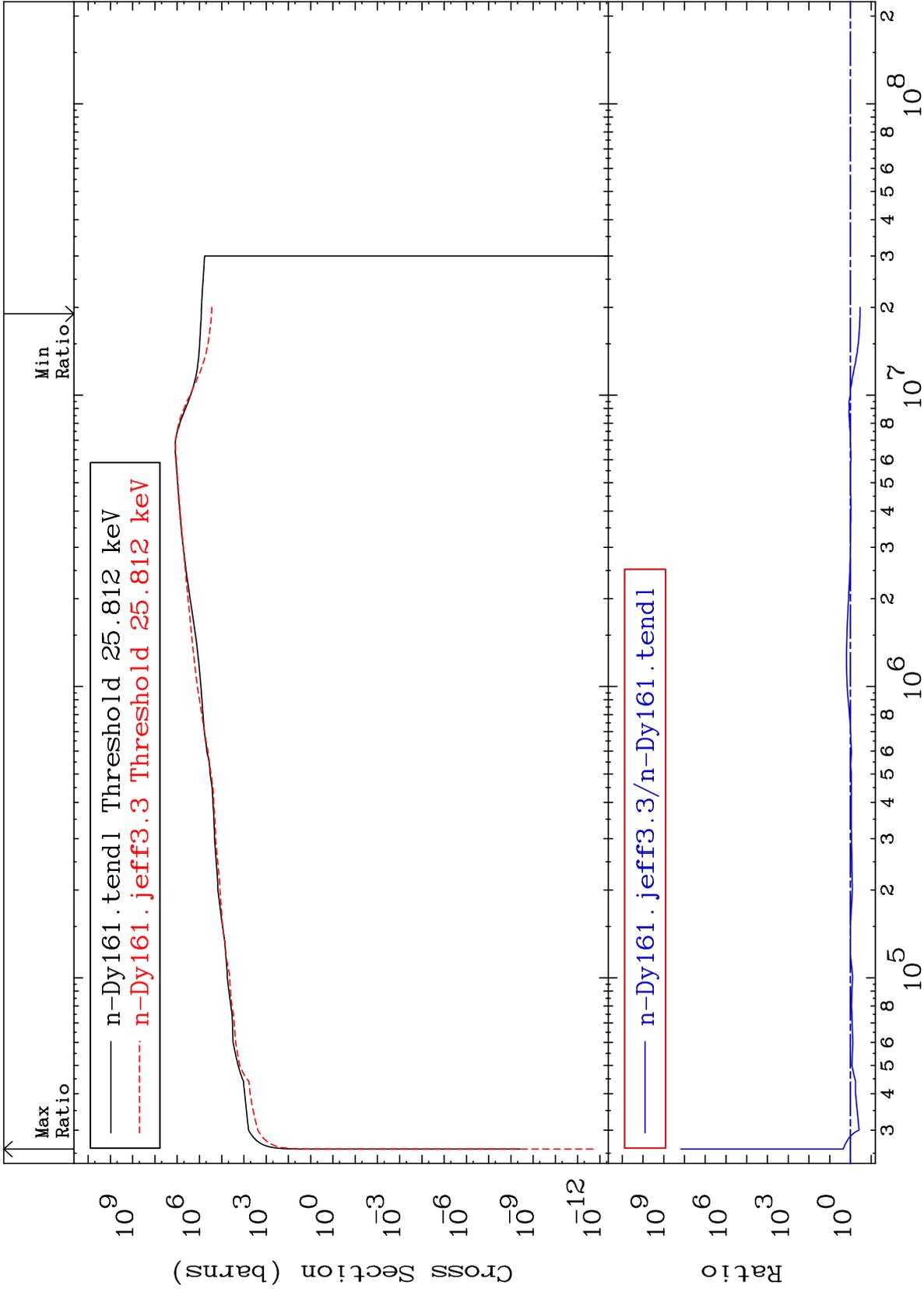
66-Dy-161

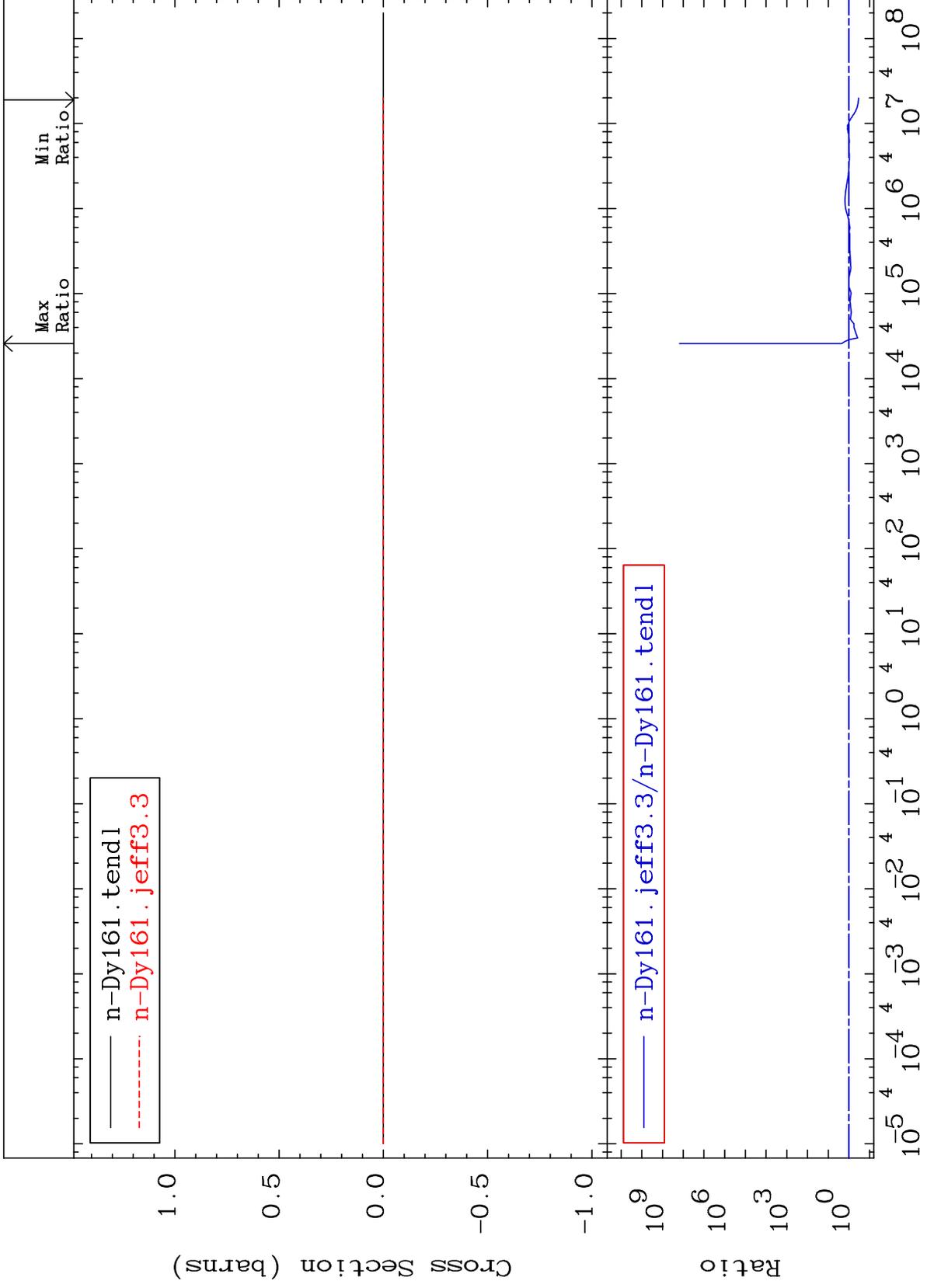
MAT 6640

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-161  
-24.36 To 74.00 %



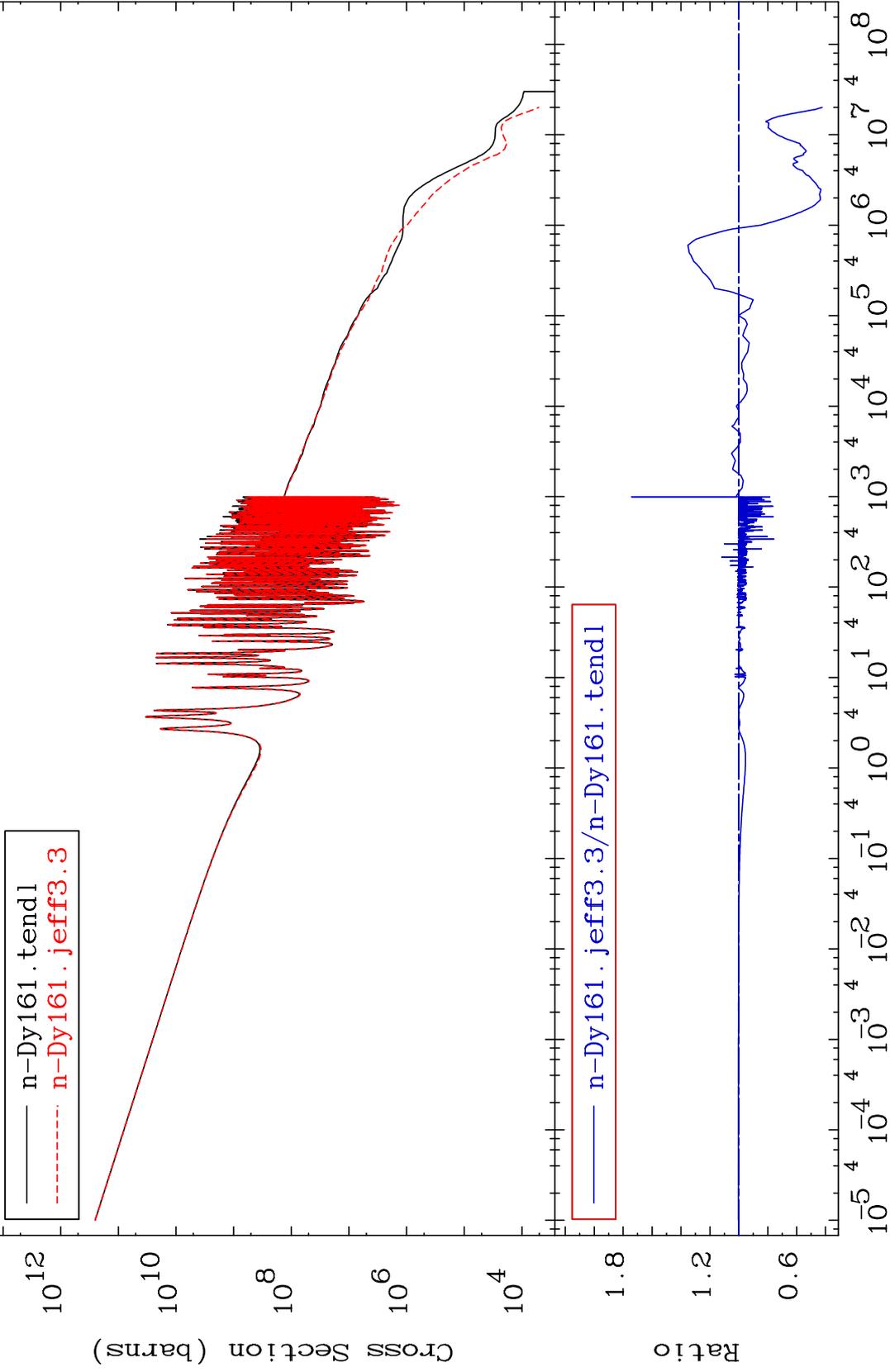




MAT 6640

Kerma capture (mt102)  
Cross Section

66-Dy-161  
-57.63 To 74.00 %



40

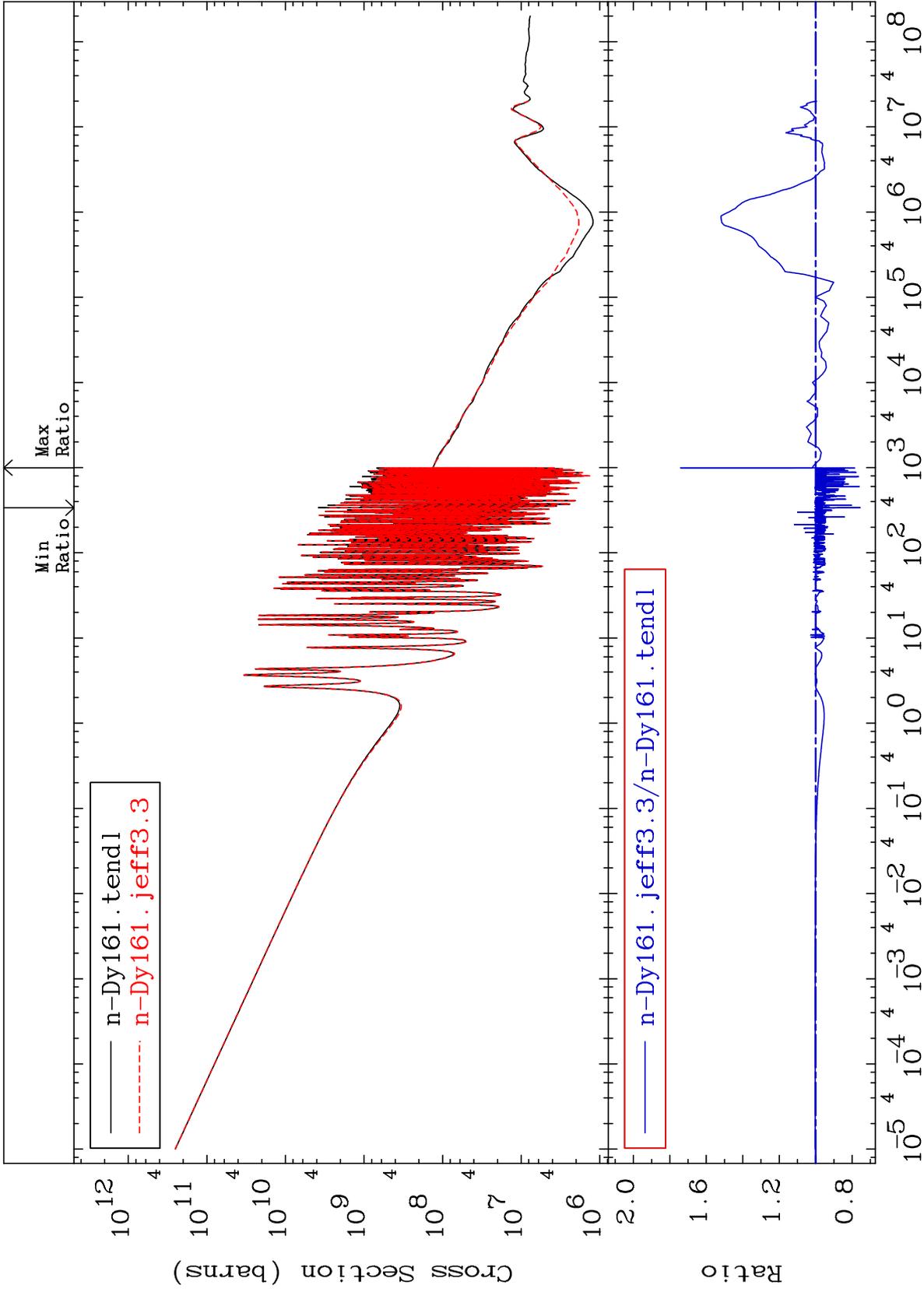
Incident Energy (eV)

66-Dy-161

MAT 6640

Total photon (eV-barns)  
Cross Section

66-Dy-161  
-24.36 To 74.00 %



41

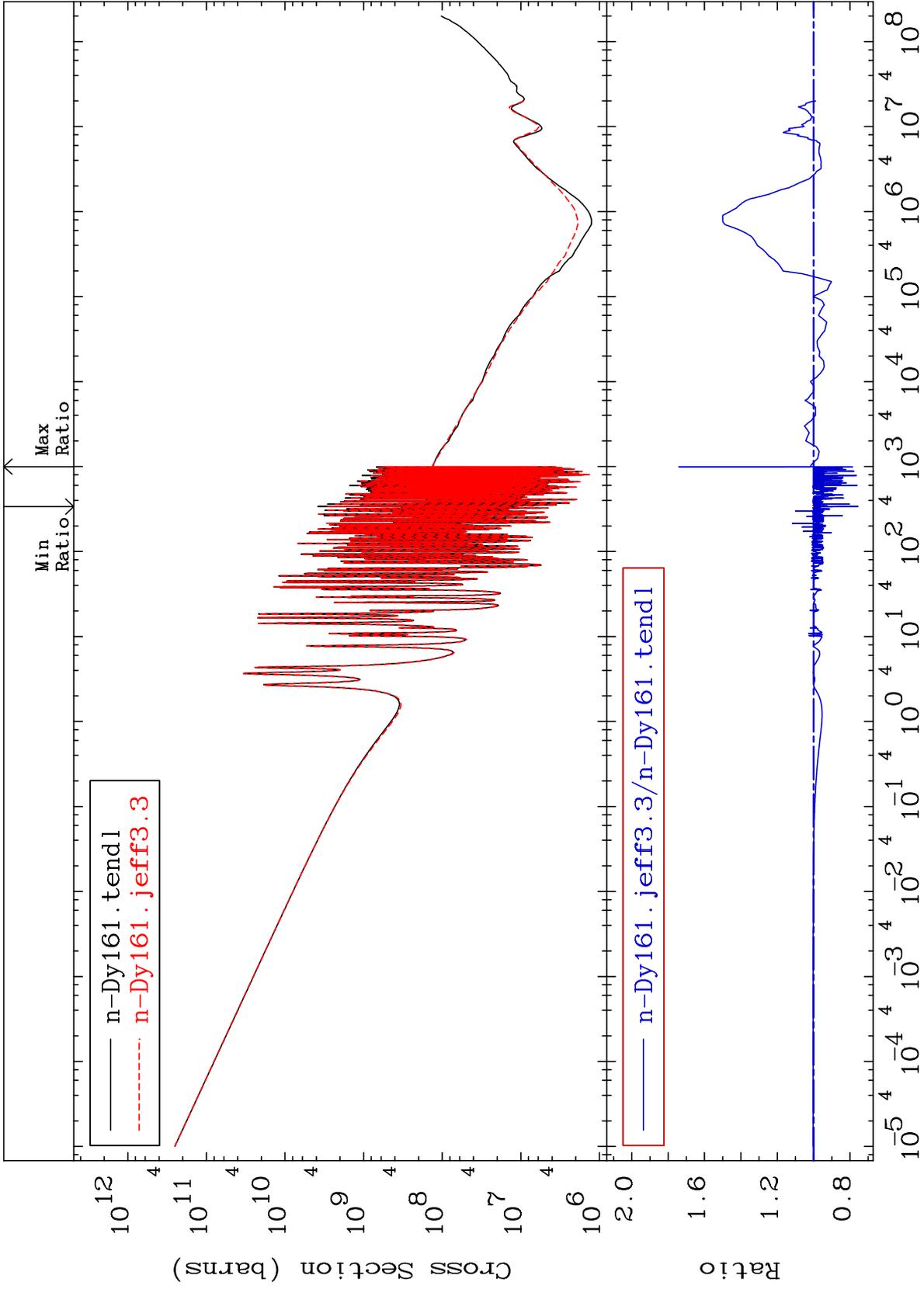
Incident Energy (eV)

66-Dy-161

MAT 6640

Total kinematic kerma (high limit)  
Cross Section

66-Dy-161  
-24.36 To 74.00 %



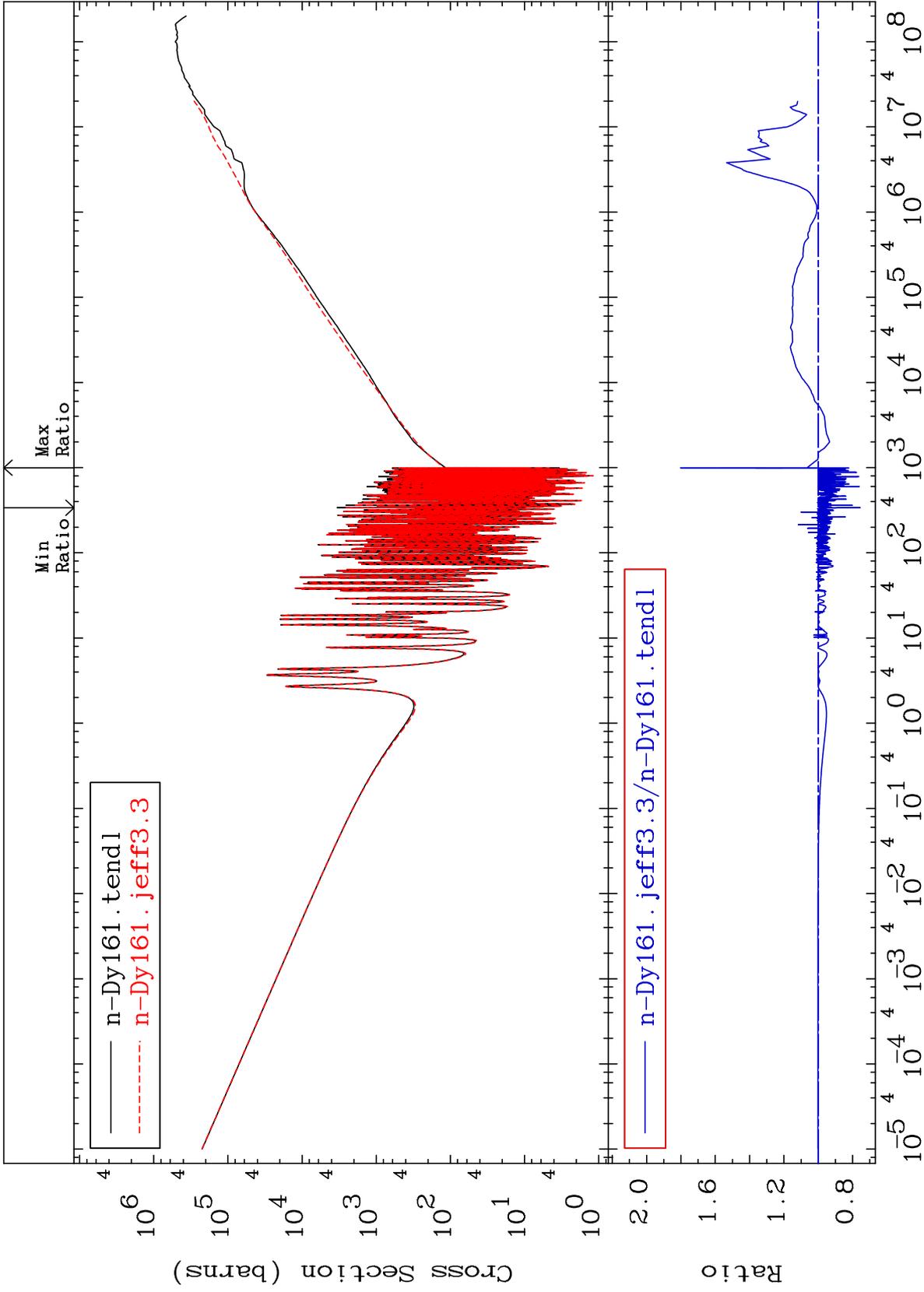
MAT 6640

Dpa total (eV-barns)

66-Dy-161

Cross Section

-24.35 To 80.09 %



43

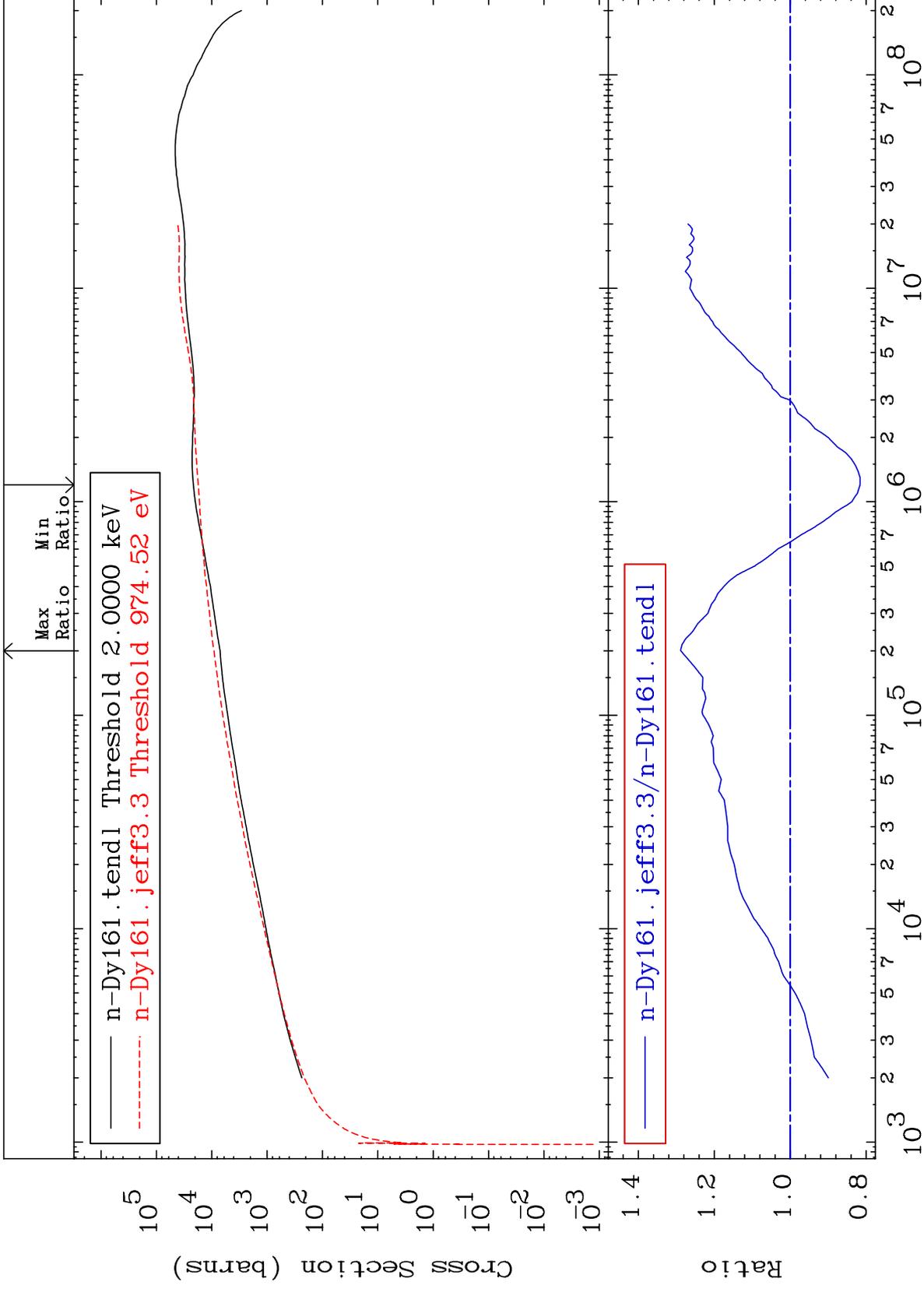
Incident Energy (eV)

66-Dy-161

MAT 6640

Dpa elastic (mt2)  
Cross Section

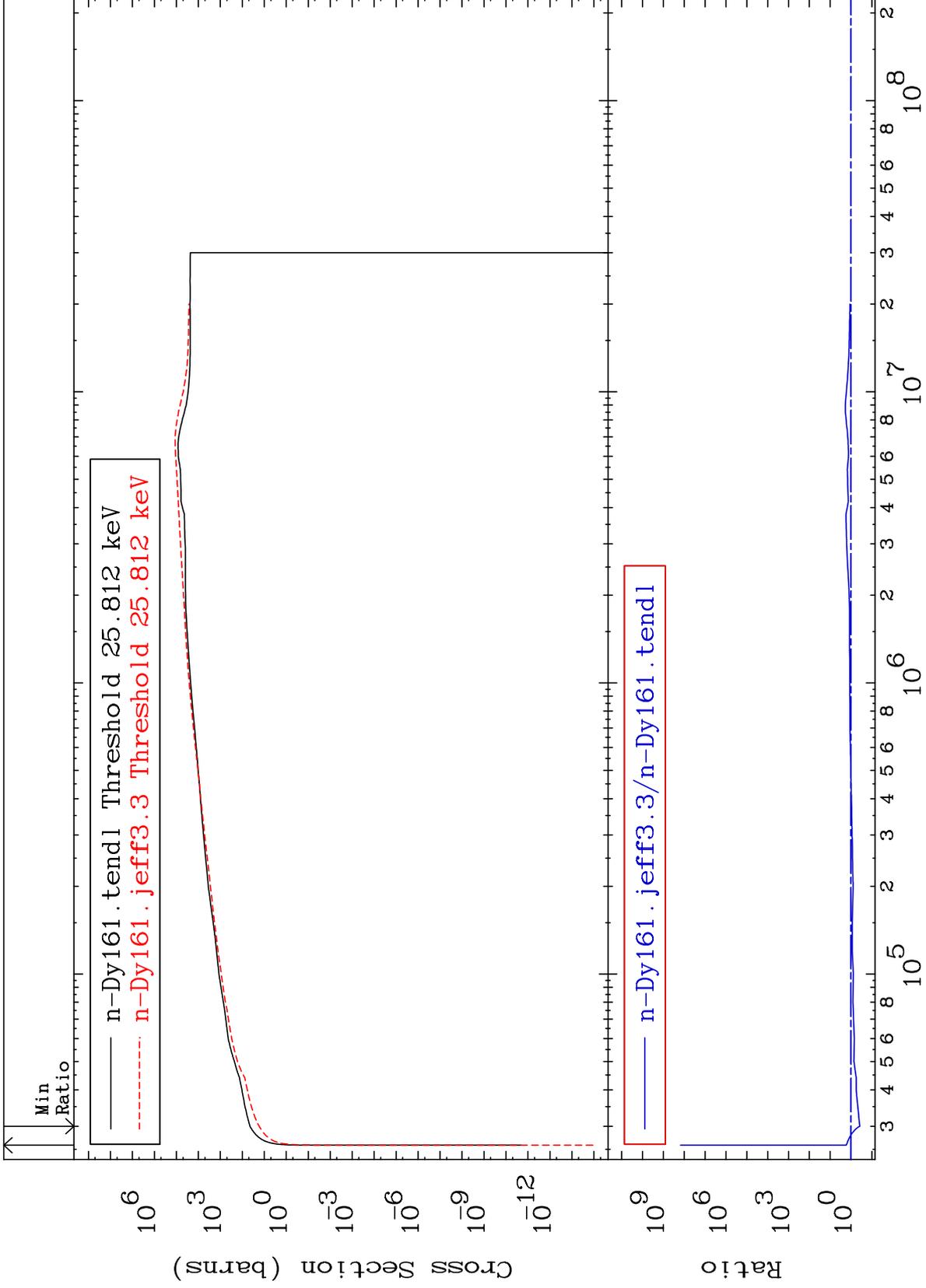
66-Dy-161  
-18.39 To 28.84 %



44

66-Dy-161

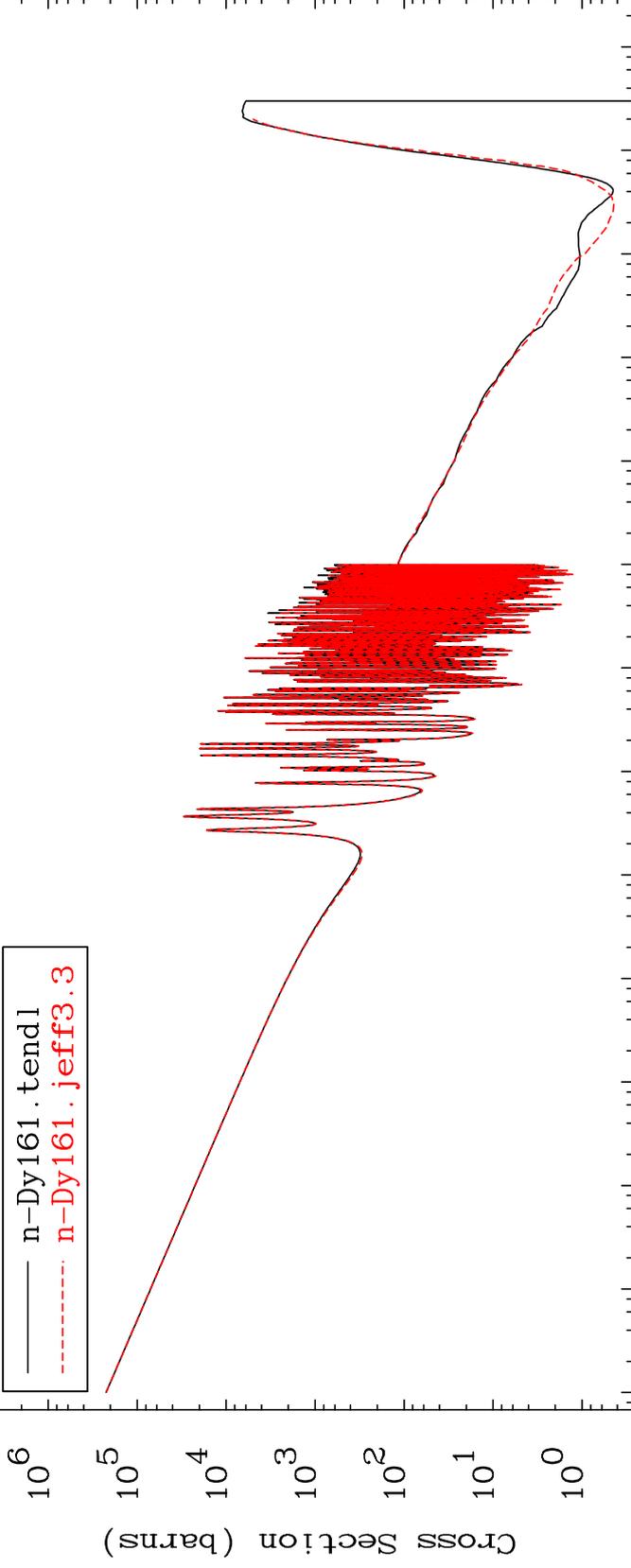
66-Dy-161



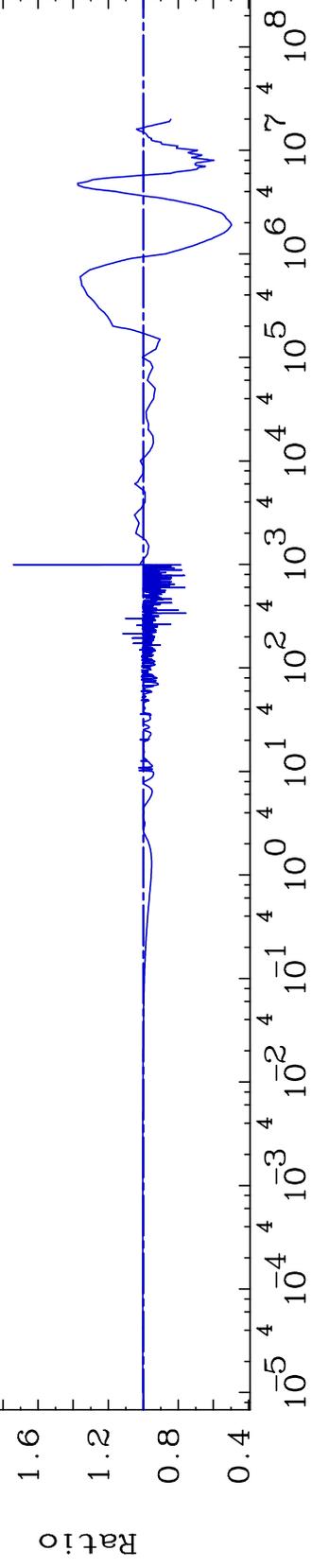
MAT 6640

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-161  
-50.35 To 73.87 %



n-Dy161.jeff3.3/n-Dy161.tendl



46

Incident Energy (eV)

66-Dy-161