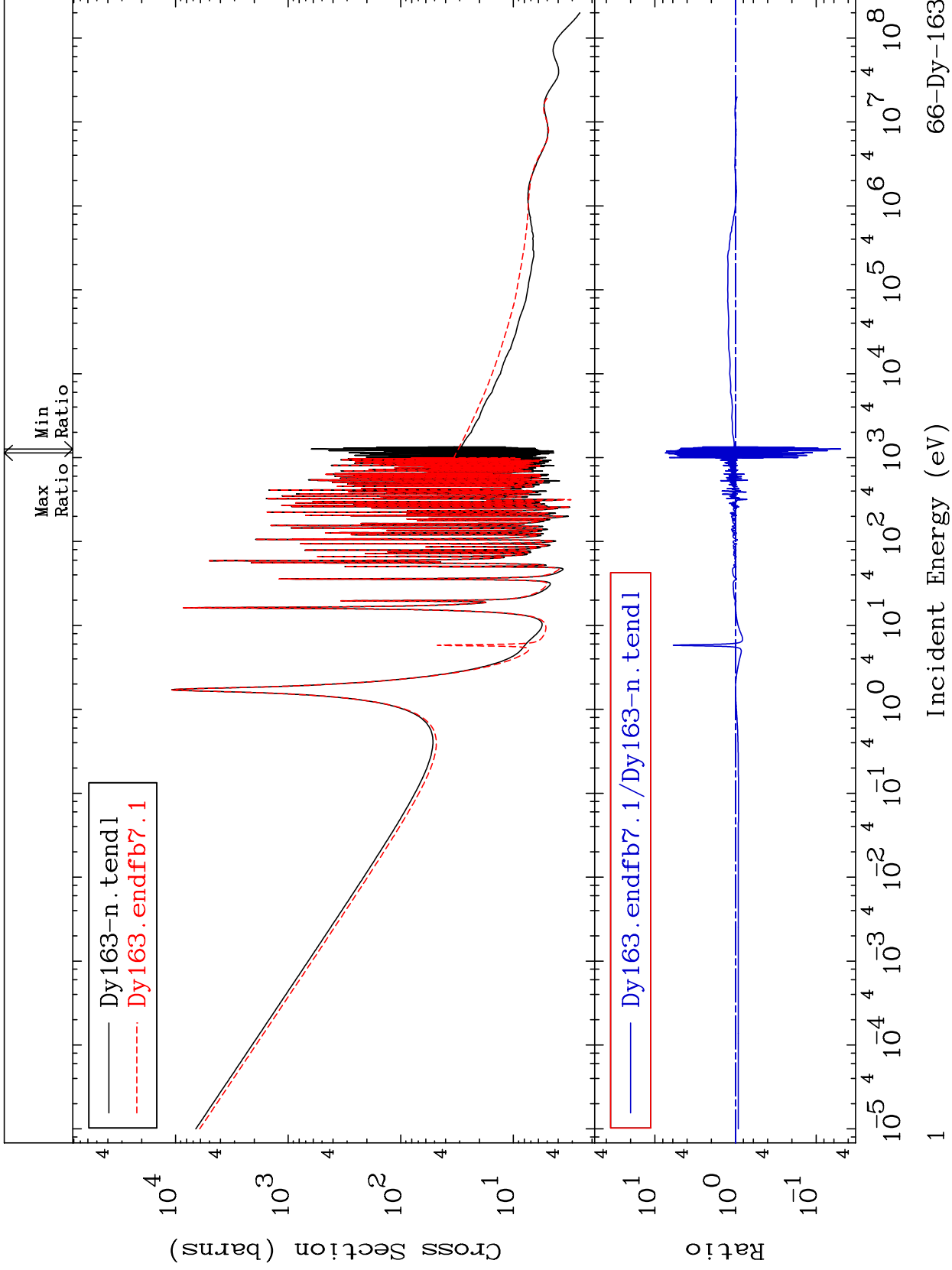


MAT 6646

Total  
Cross Section

66-Dy-163  
-95.04 To 639.2 %



Incident Energy (eV)

66-Dy-163

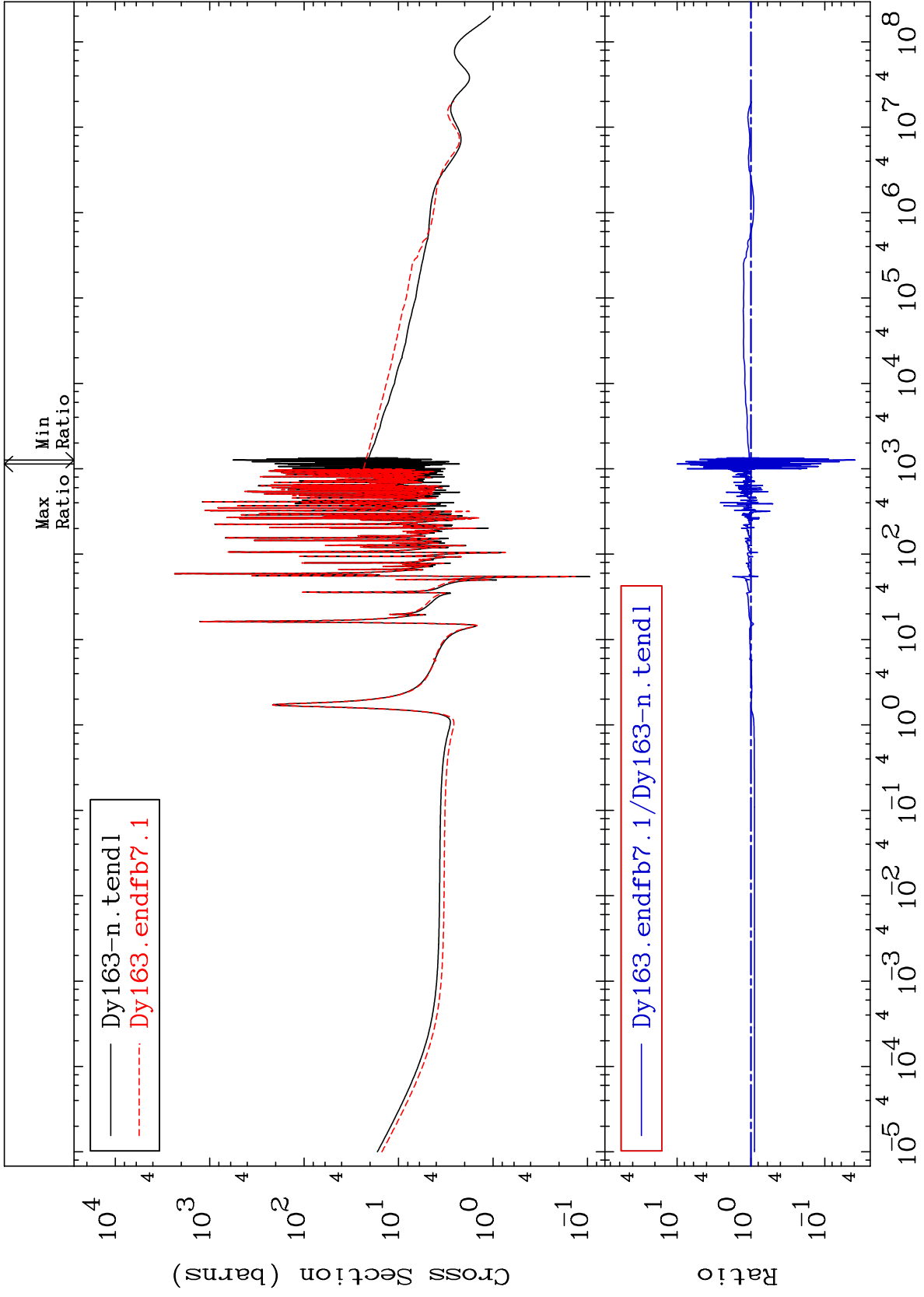
MAT 6646

Elastic

Cross Section

66-Dy-163

-96.10 To 905.5 %



Incident Energy (eV)

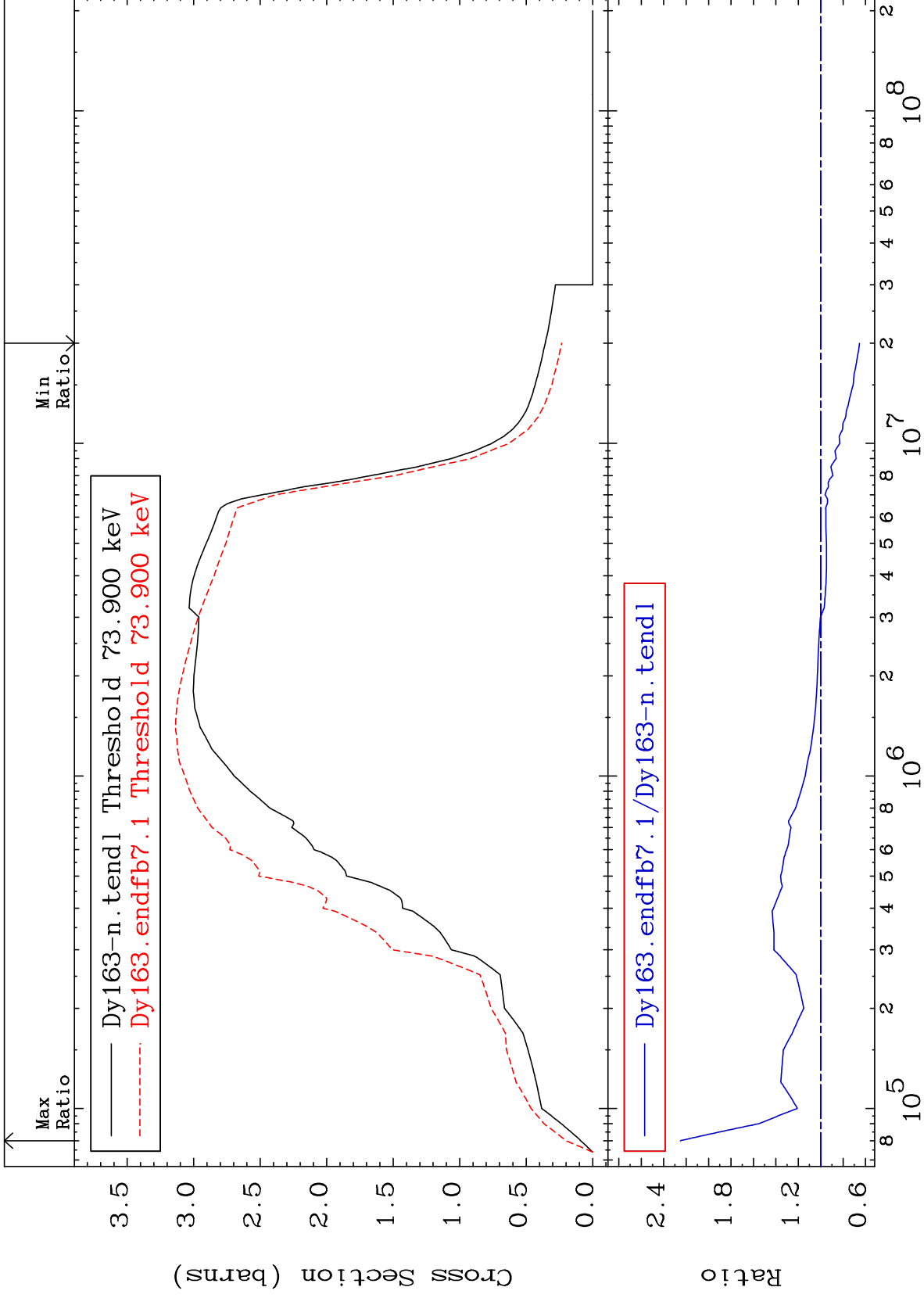
66-Dy-163

2

MAT 6646

Inelastic  
Cross Section

66-Dy-163  
-34.56 To 125.2 %



3

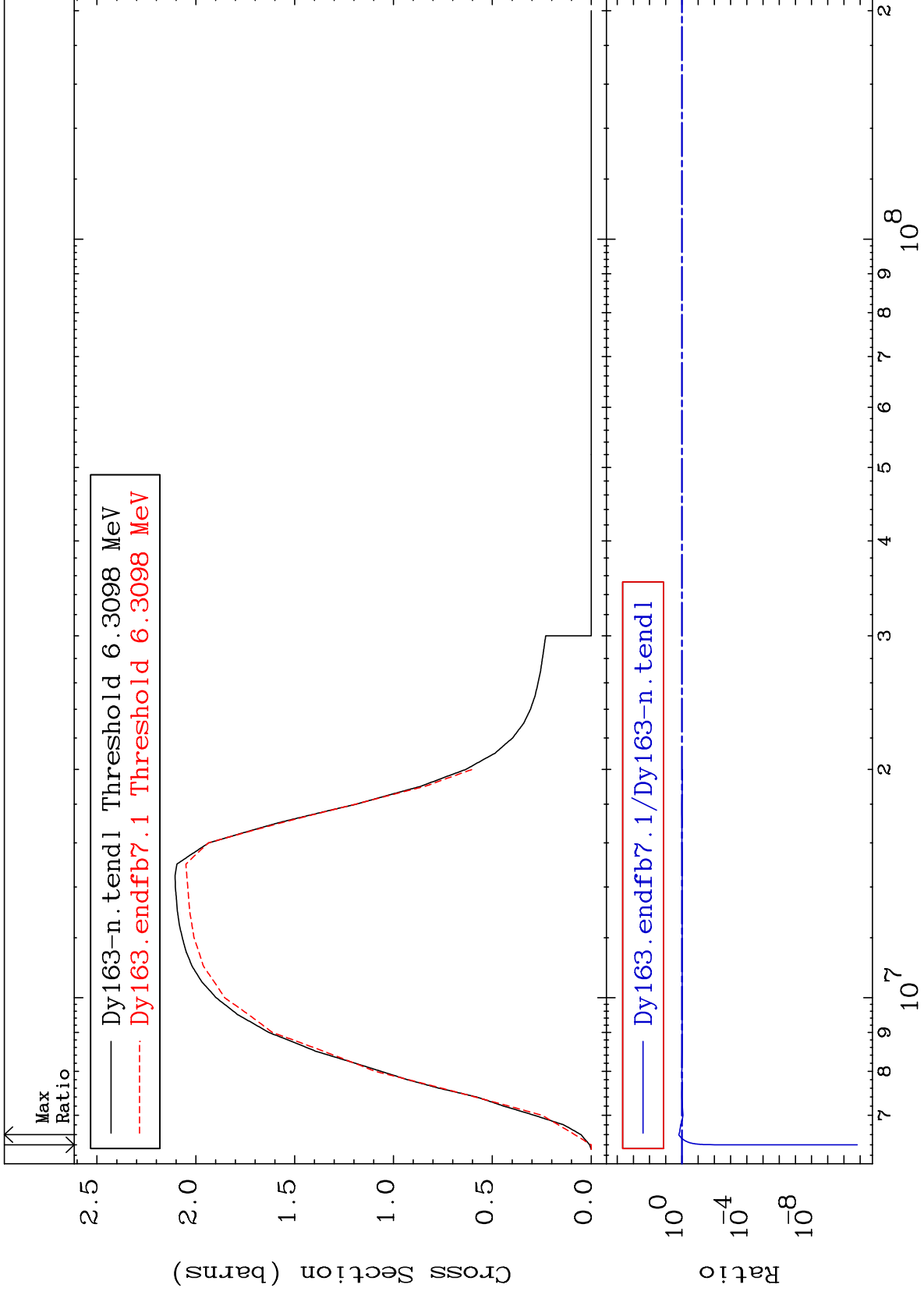
Incident Energy (eV)

66-Dy-163

MAT 6646

(n,2n)  
Cross Section

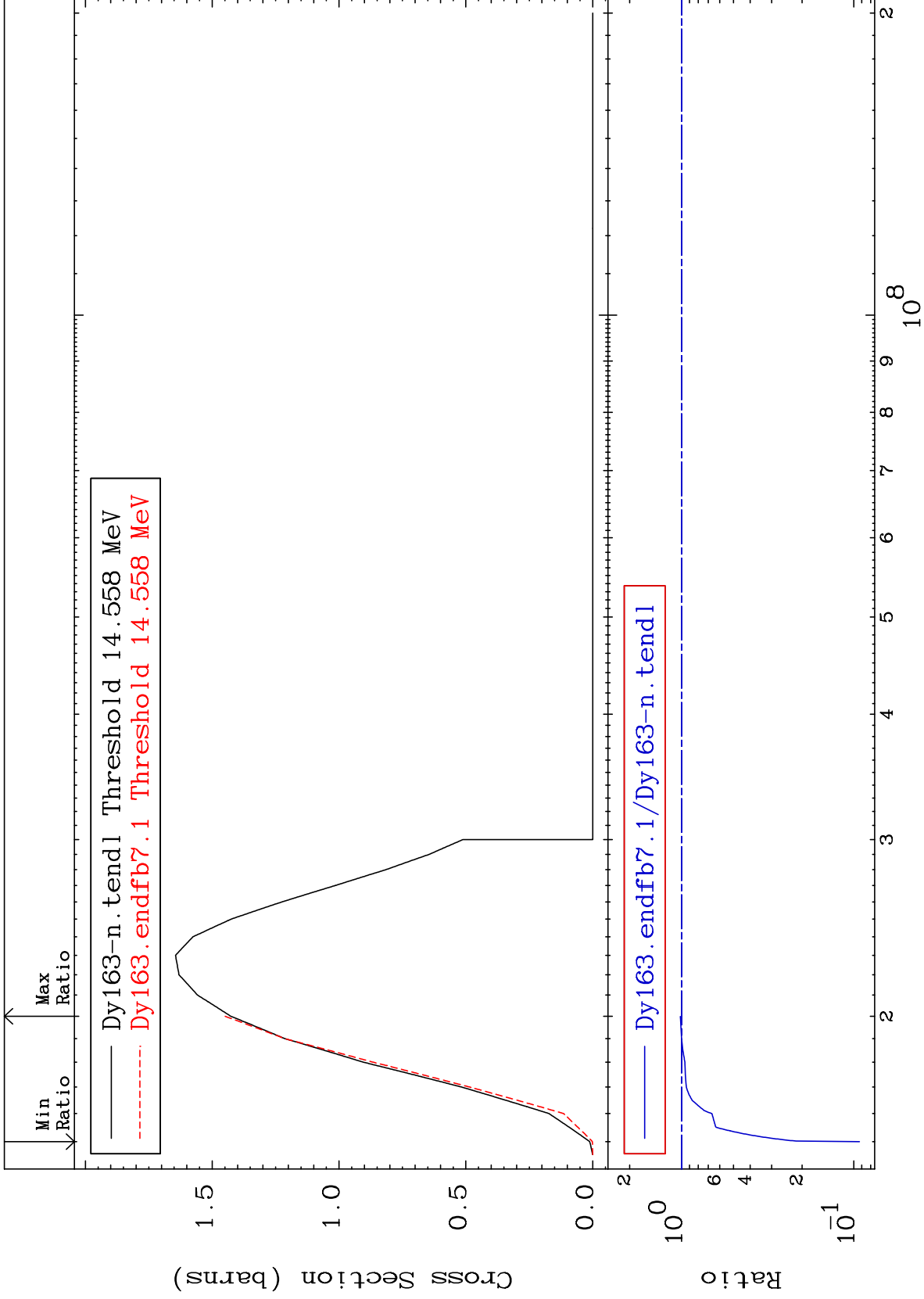
66-Dy-163  
-100.0 To 60.74 %



MAT 6646

(n,3n)  
Cross Section

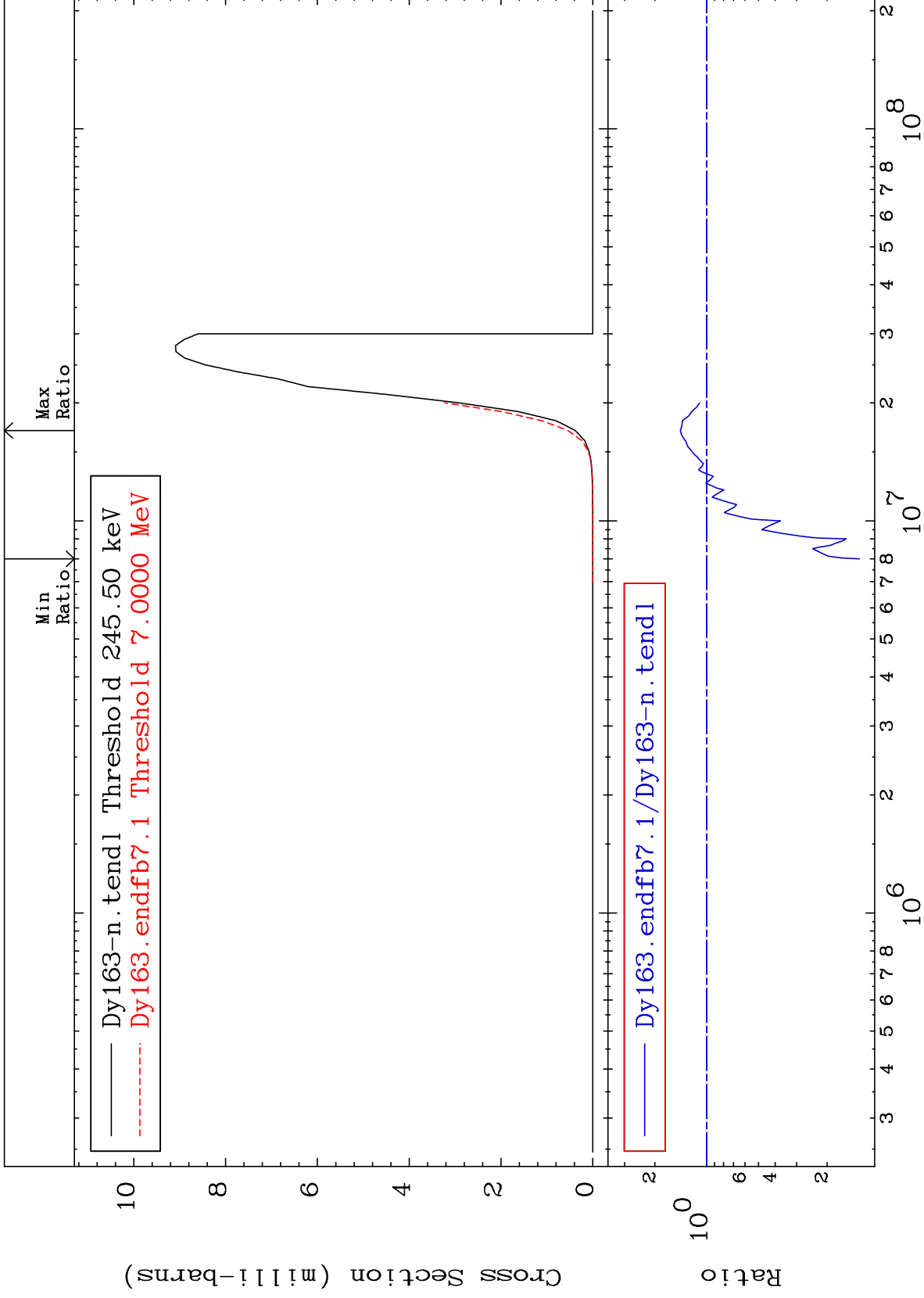
66-Dy-163  
-90.71 To 1.592 %



MAT 6646

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

66-Dy-163  
-87.03 To 42.31 %



6

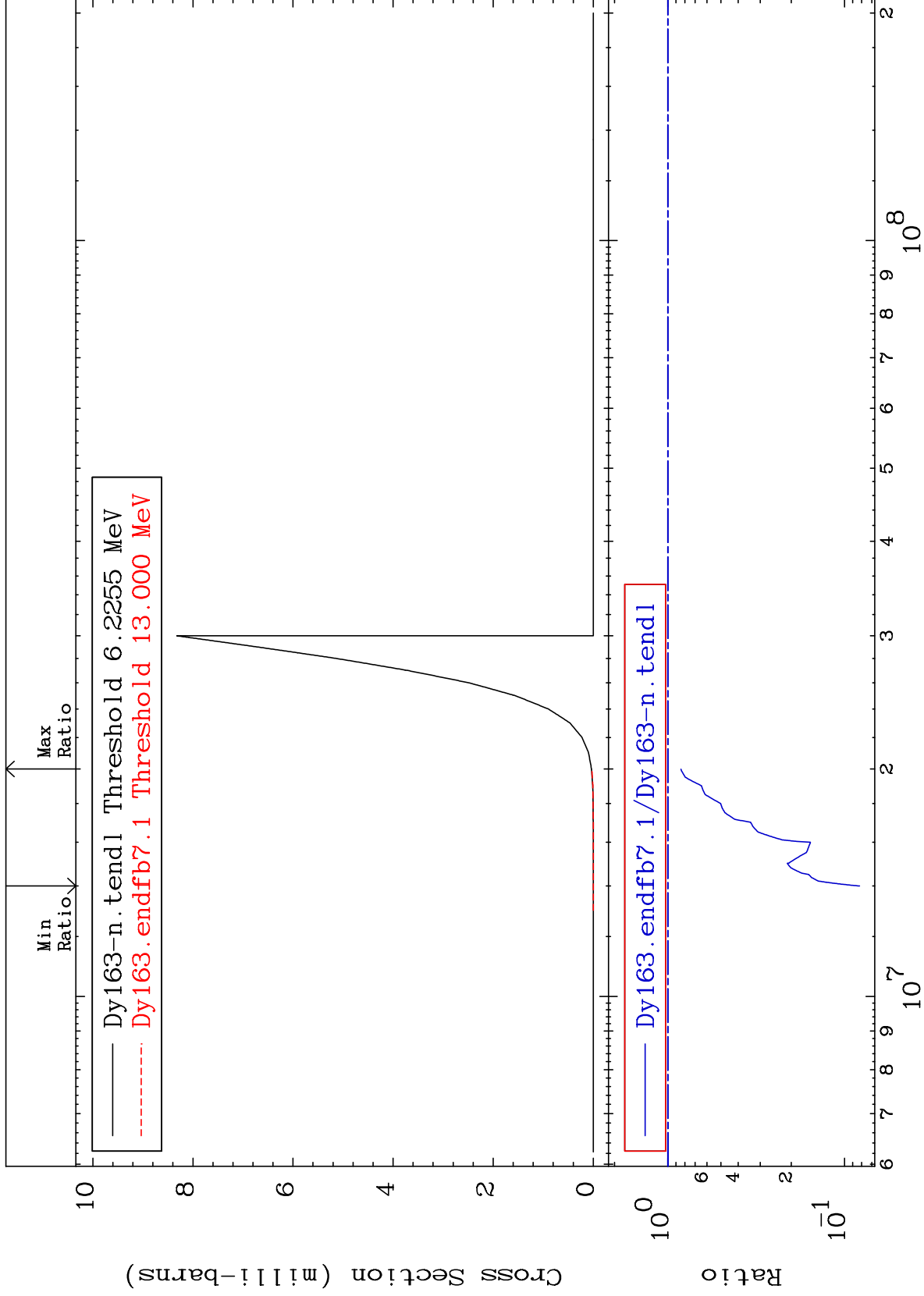
Incident Energy (eV)

66-Dy-163

MAT 6646

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

66-Dy-163  
-91.78 To -15.59%



7

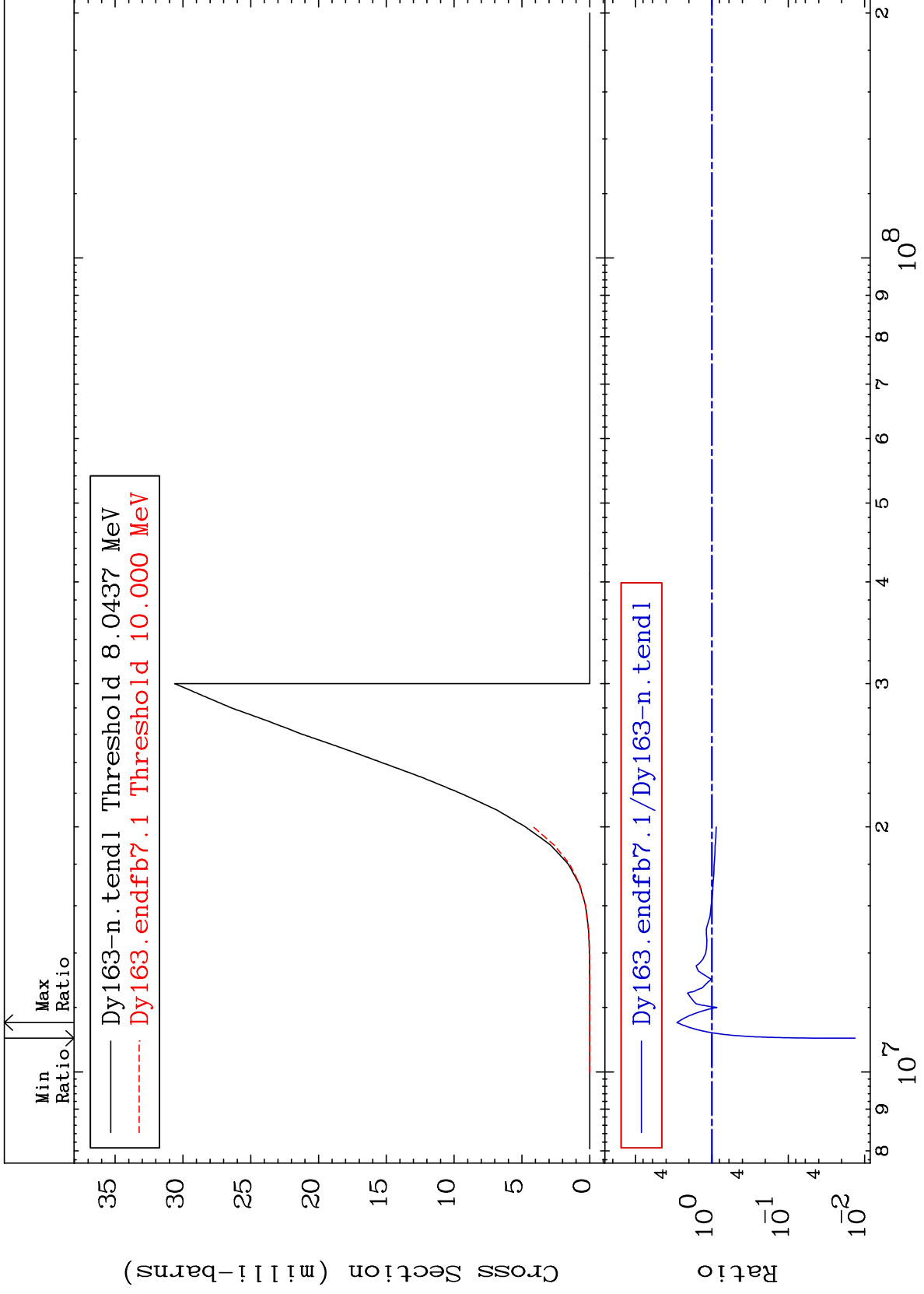
Incident Energy (eV)

66-Dy-163

MAT 6646

(n, n') p  
Cross Section

66-Dy-163  
-98.67 To 188.0 %



8

Incident Energy (eV)

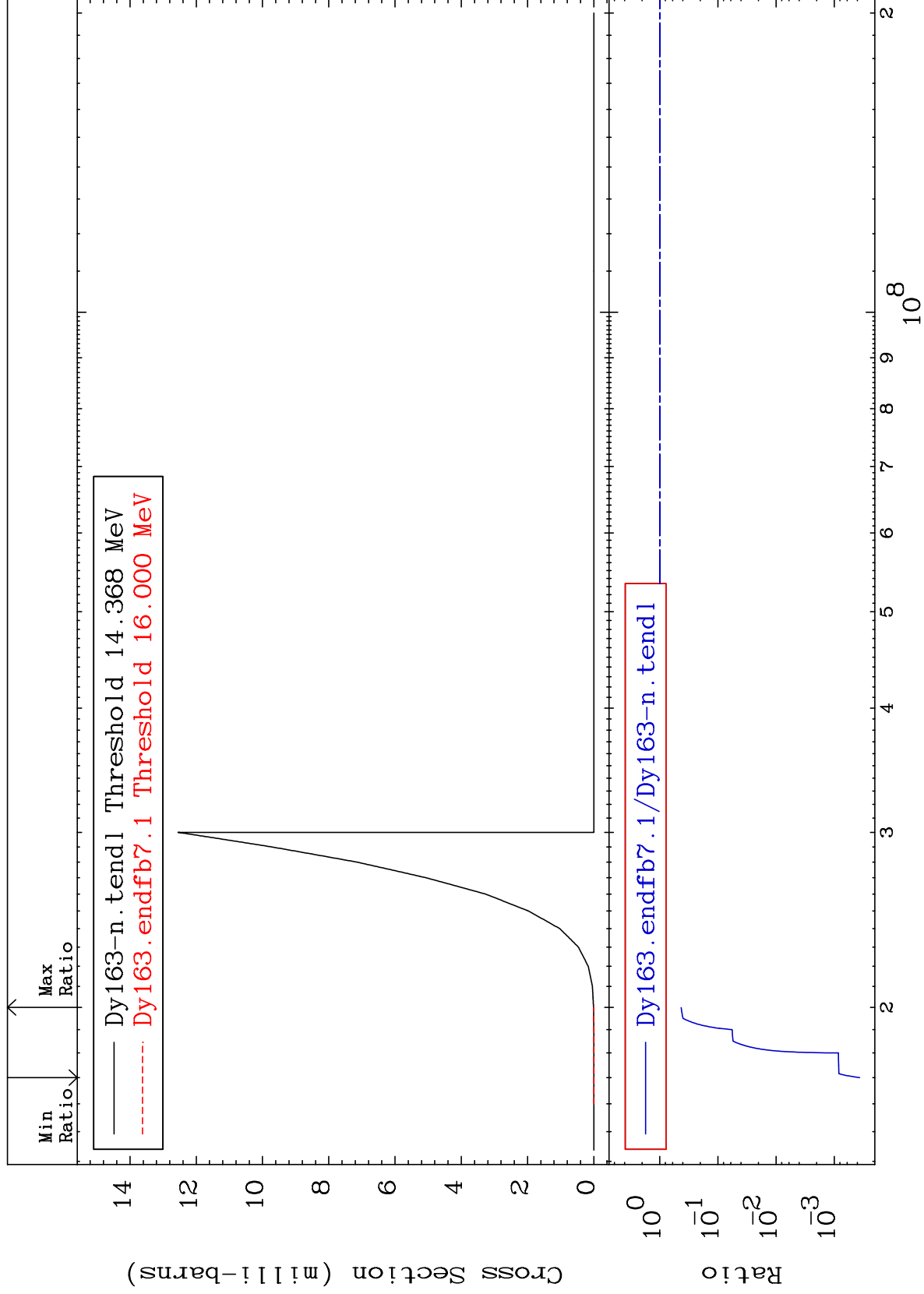
66-Dy-163



MAT 6646

(n,2n) p  
Cross Section

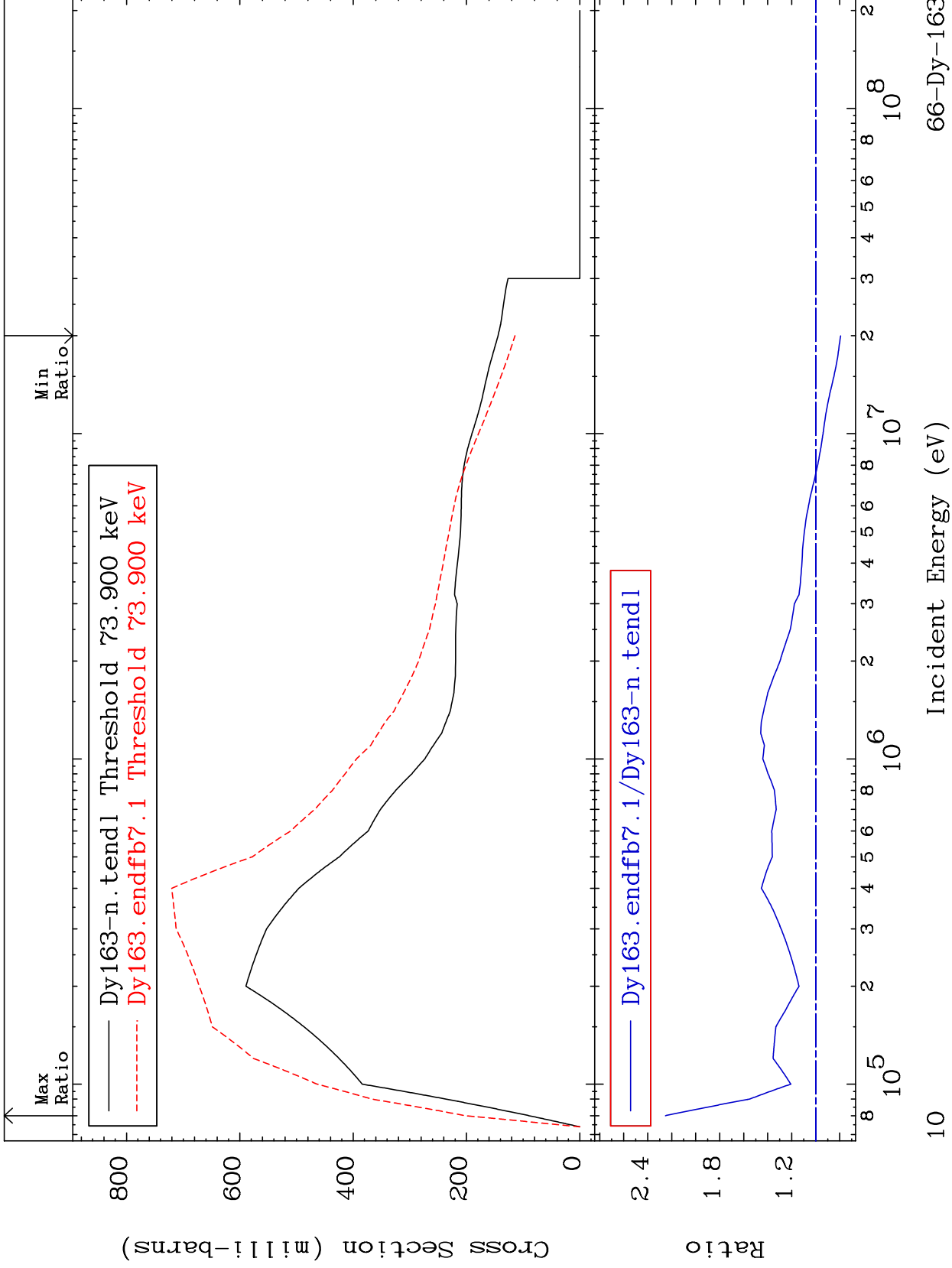
66-Dy-163  
-99.96 To -57.34%



MAT 6646

73.44 keV (n,n') Level  
Cross Section

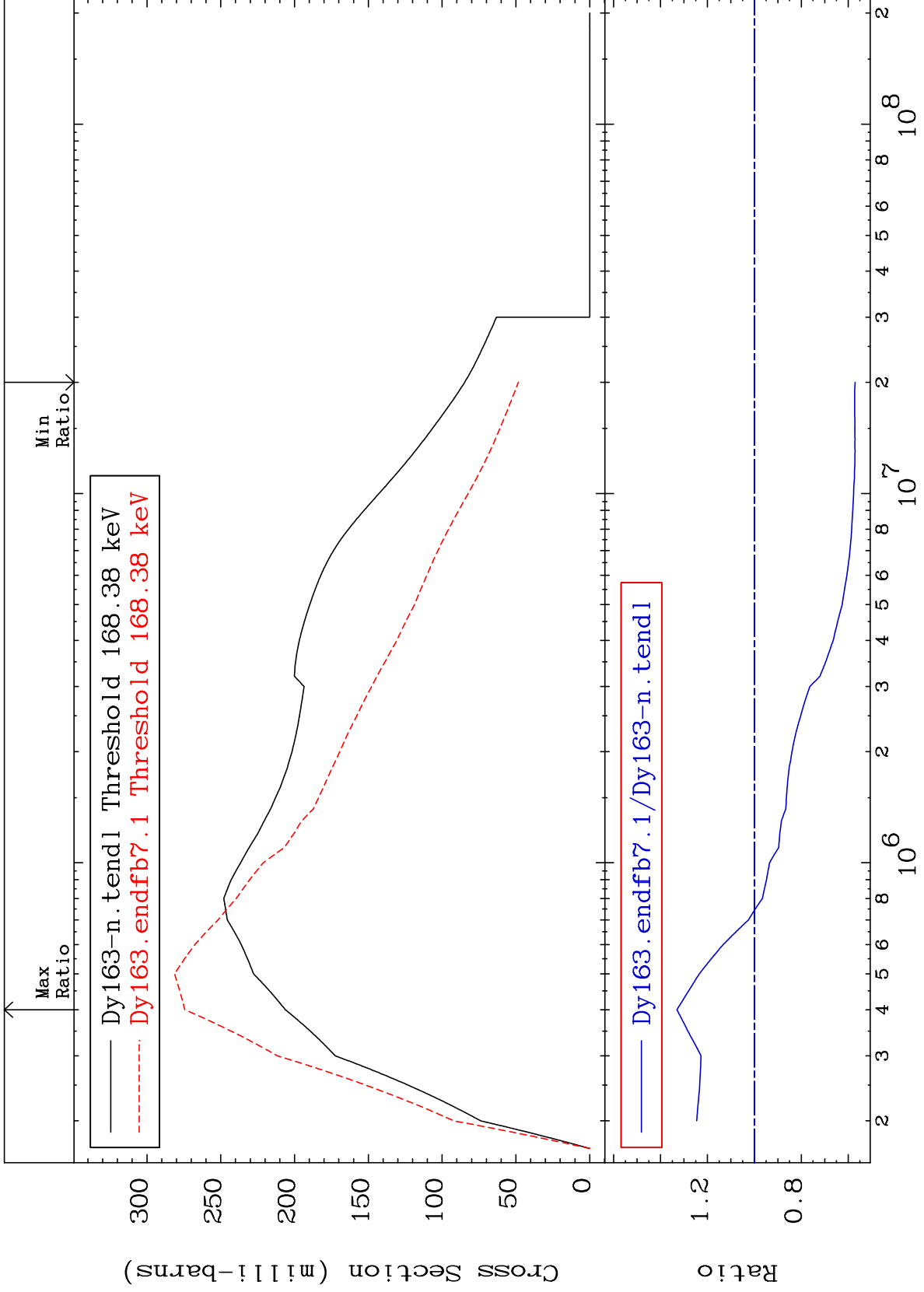
66-Dy-163  
-20.77 To 125.2 %



MAT 6646

167.3 keV (n,n') Level  
Cross Section

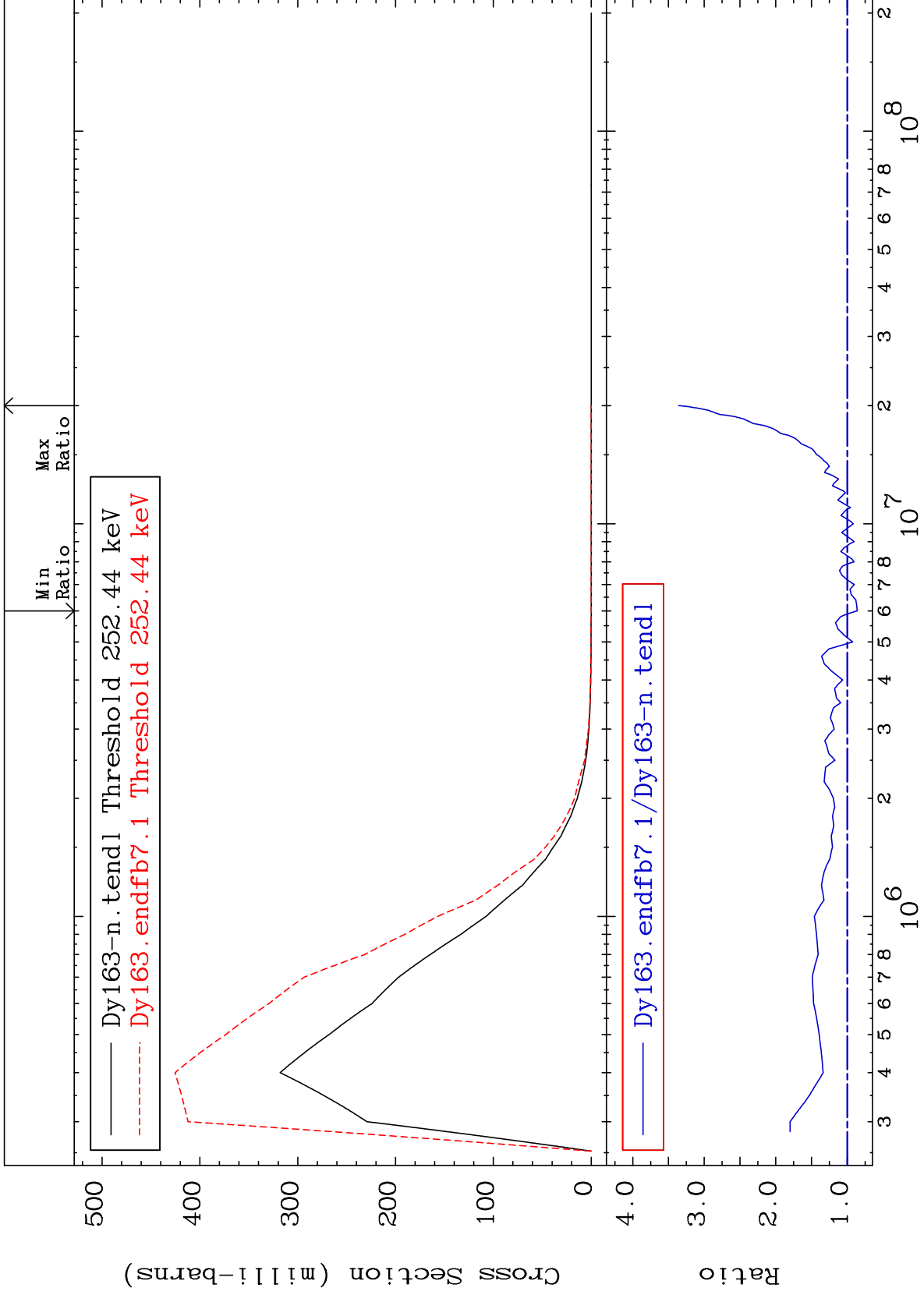
66-Dy-163  
-42.95 To 33.02 %



MAT 6646

250.9 keV (n,n') Level  
Cross Section

66-Dy-163  
-13.91 To 235.8 %



12

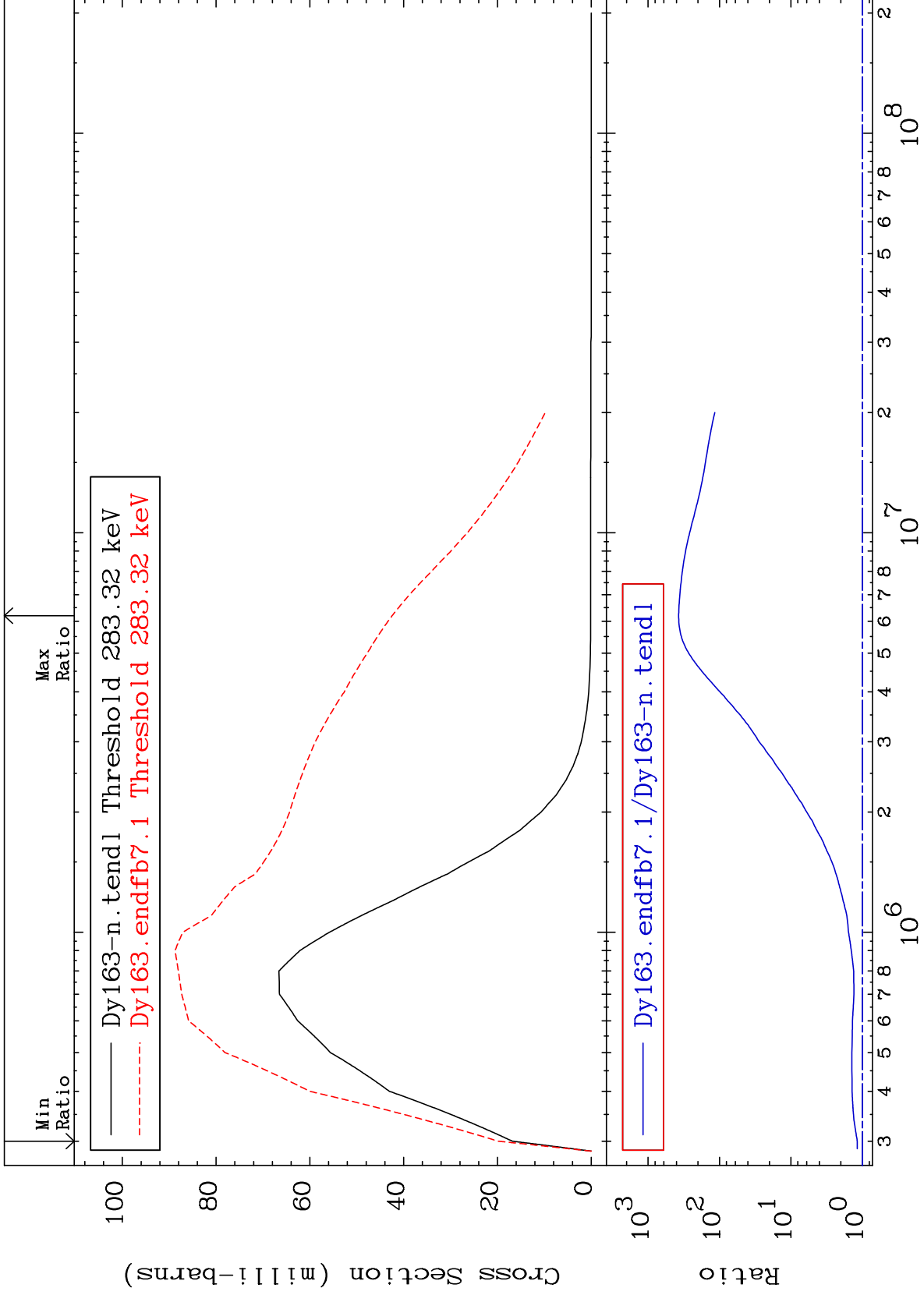
Incident Energy (eV)

66-Dy-163

MAT 6646

281.6 keV (n,n') Level  
Cross Section

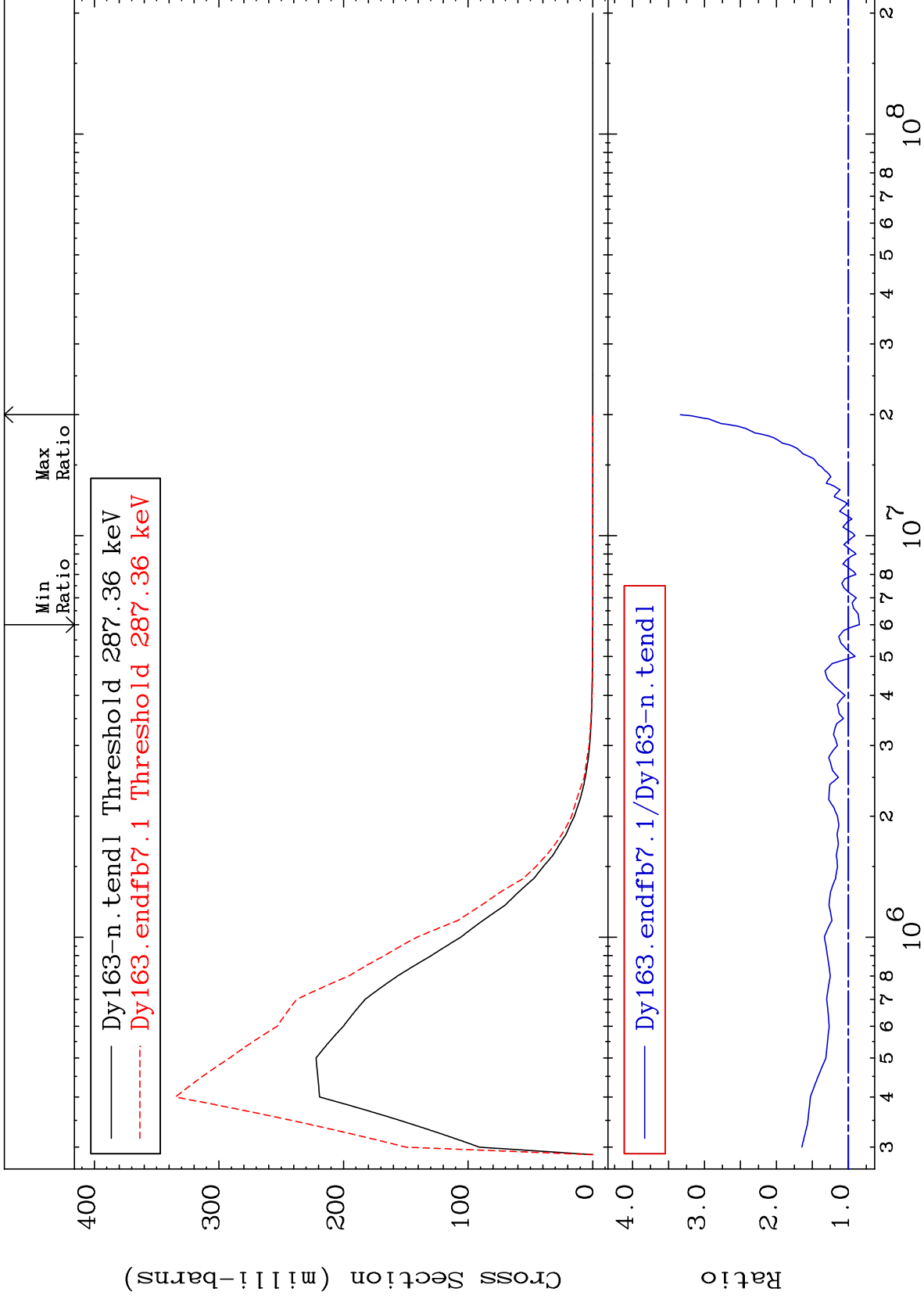
66-Dy-163  
17.89 To 9999. %



MAT 6646

285.6 keV (n,n') Level  
Cross Section

66-Dy-163  
-15.46 To 233.6 %



14

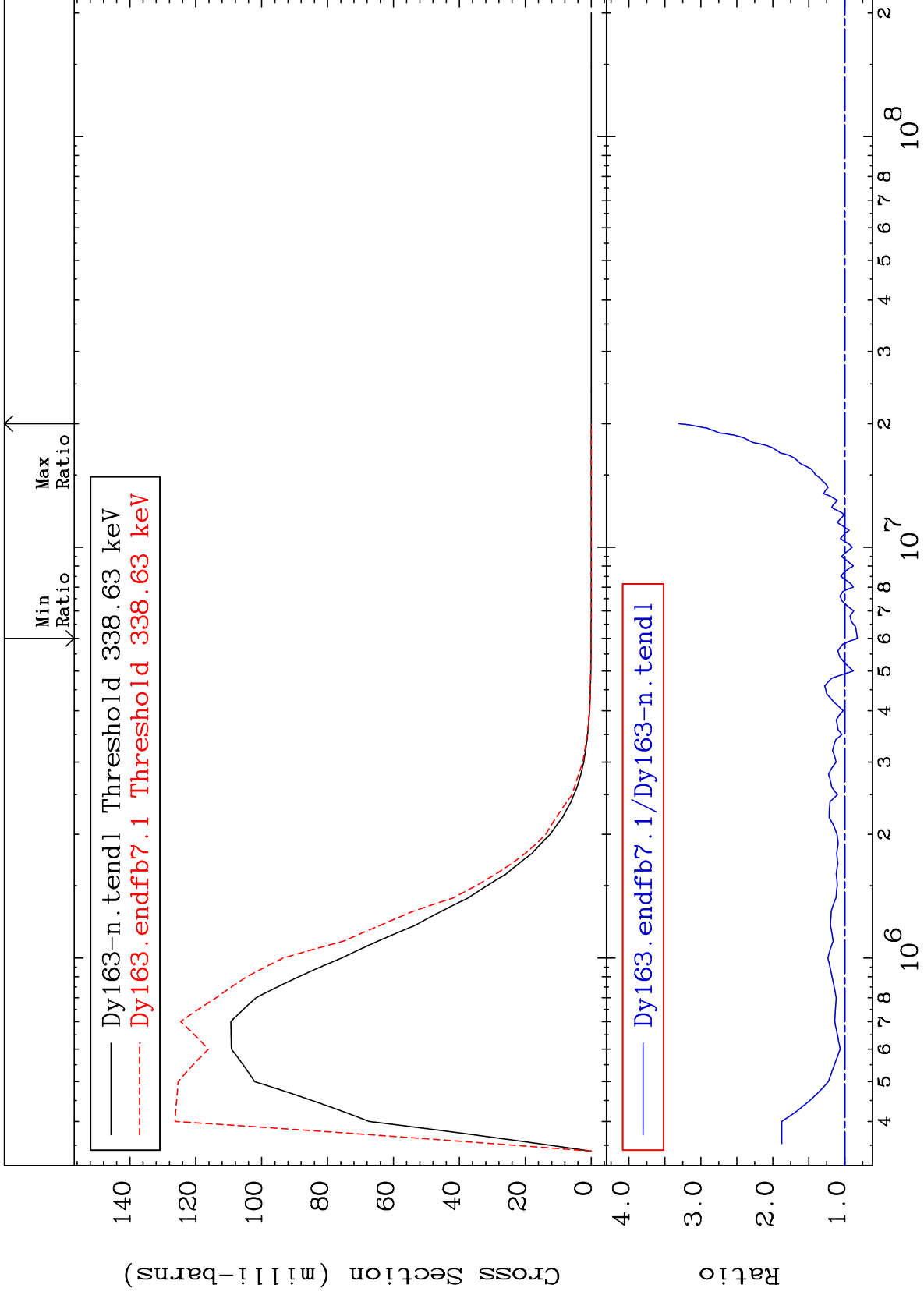
Incident Energy (eV)

66-Dy-163

MAT 6646

336.5 keV (n,n') Level  
Cross Section

66-Dy-163  
-17.39 To 230.9 %



15

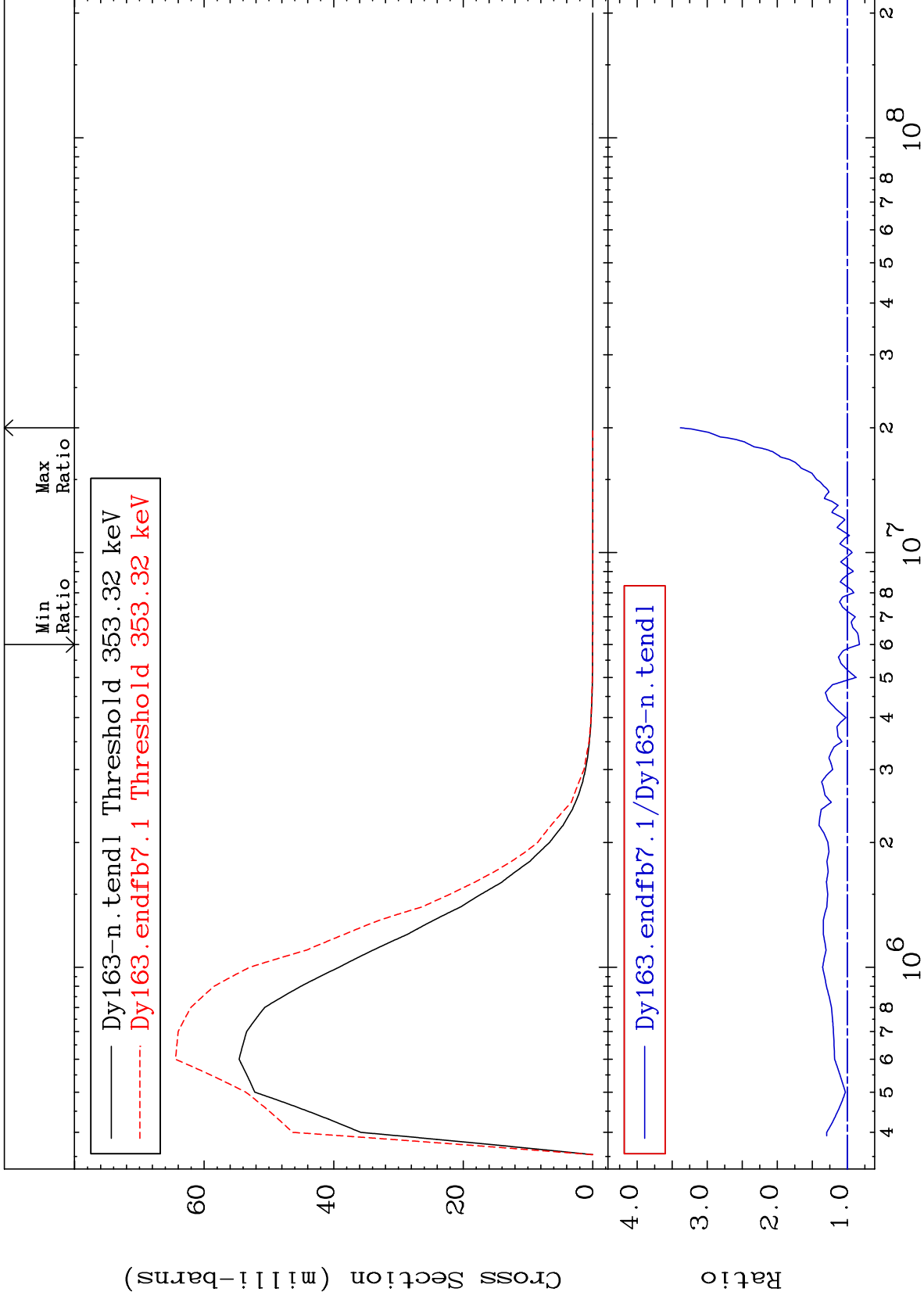
Incident Energy (eV)

66-Dy-163

MAT 6646

351.1 keV (n,n') Level  
Cross Section

66-Dy-163  
-17.33 To 238.2 %



16

Incident Energy (eV)

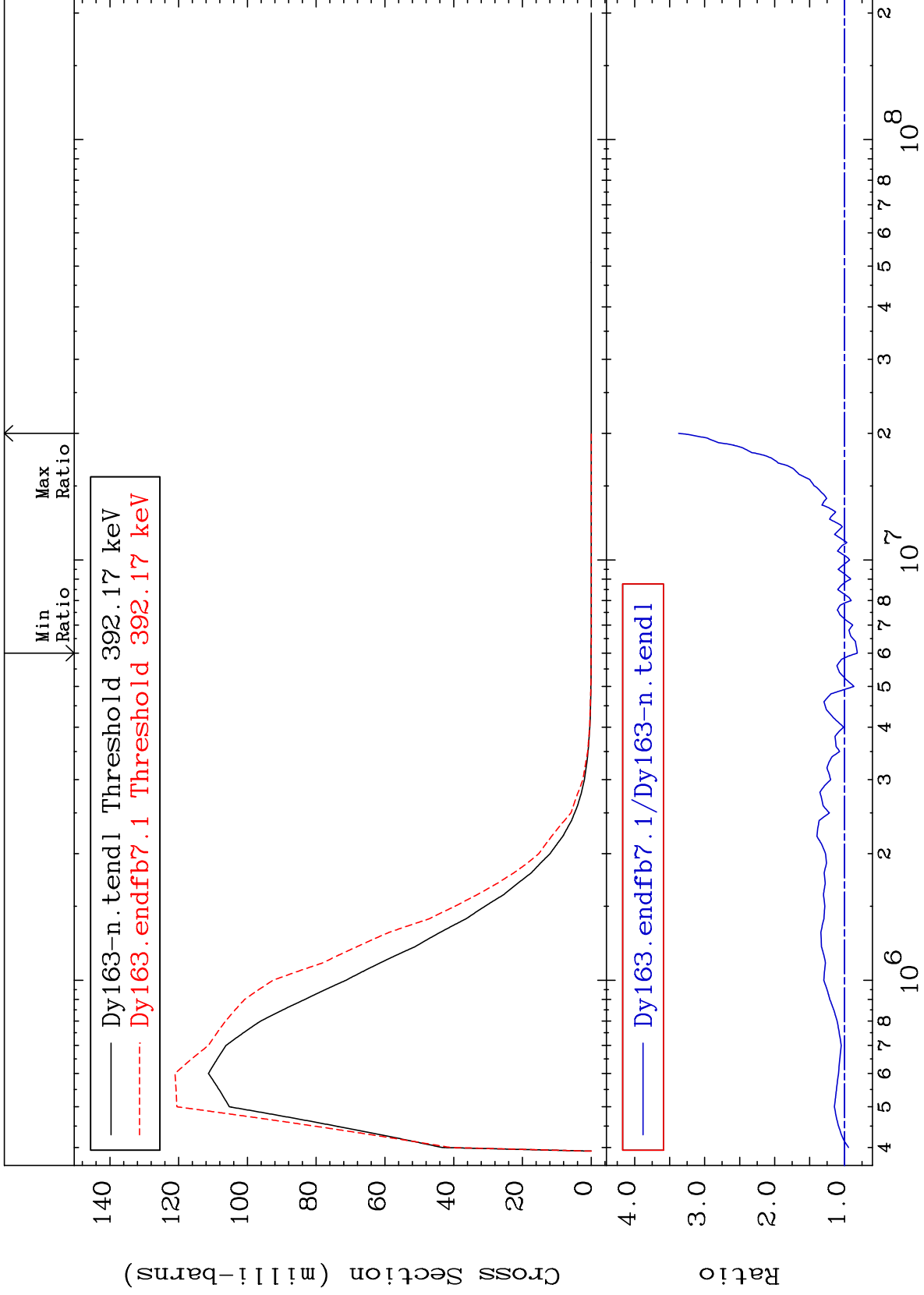
66-Dy-163



MAT 6646

389.8 keV (n,n') Level  
Cross Section

66-Dy-163  
-18.15 To 237.2 %



17

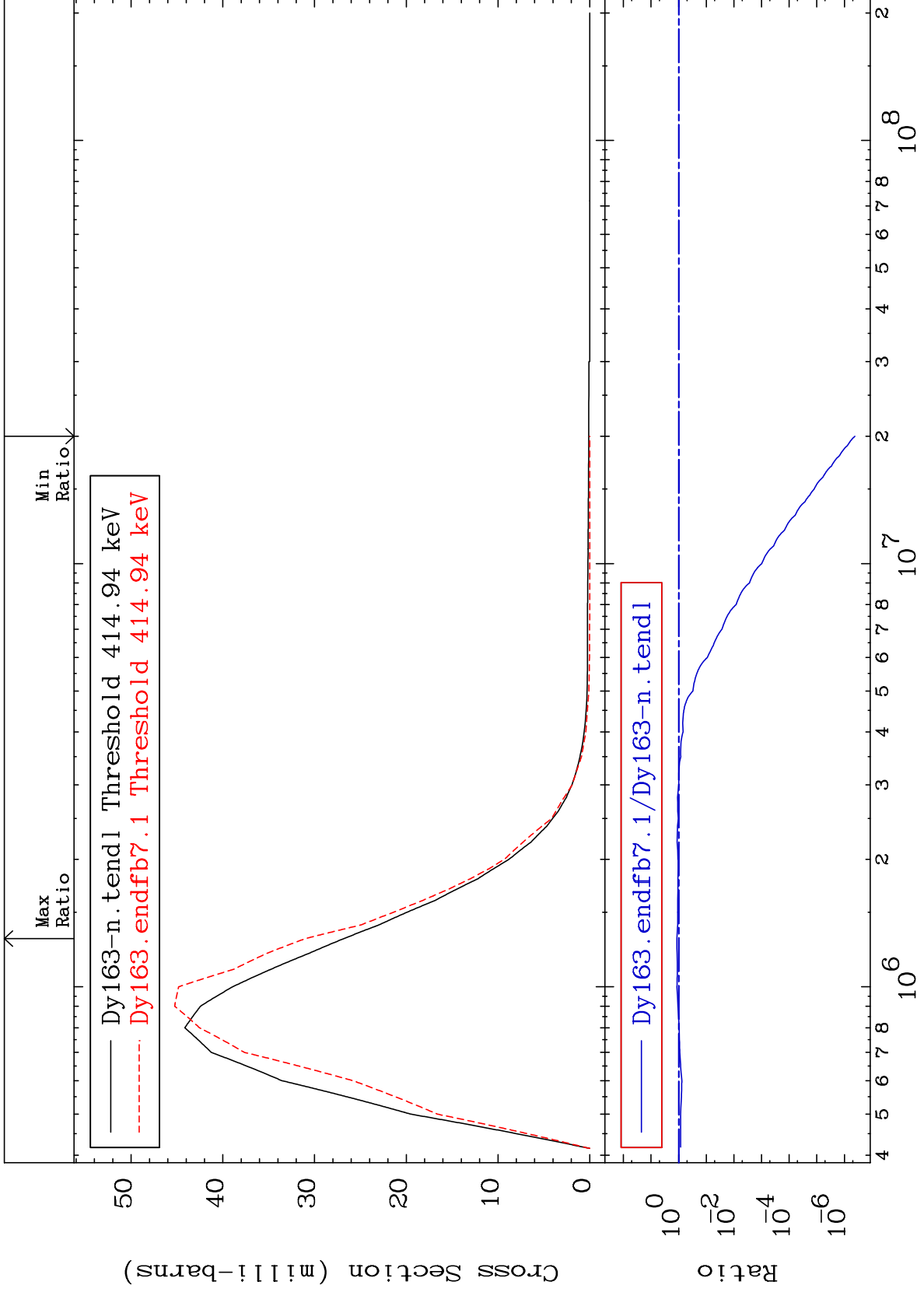
Incident Energy (eV)

66-Dy-163

MAT 6646

412.4 keV (n,n') Level  
Cross Section

66-Dy-163  
-100.0 To 15.62 %



18

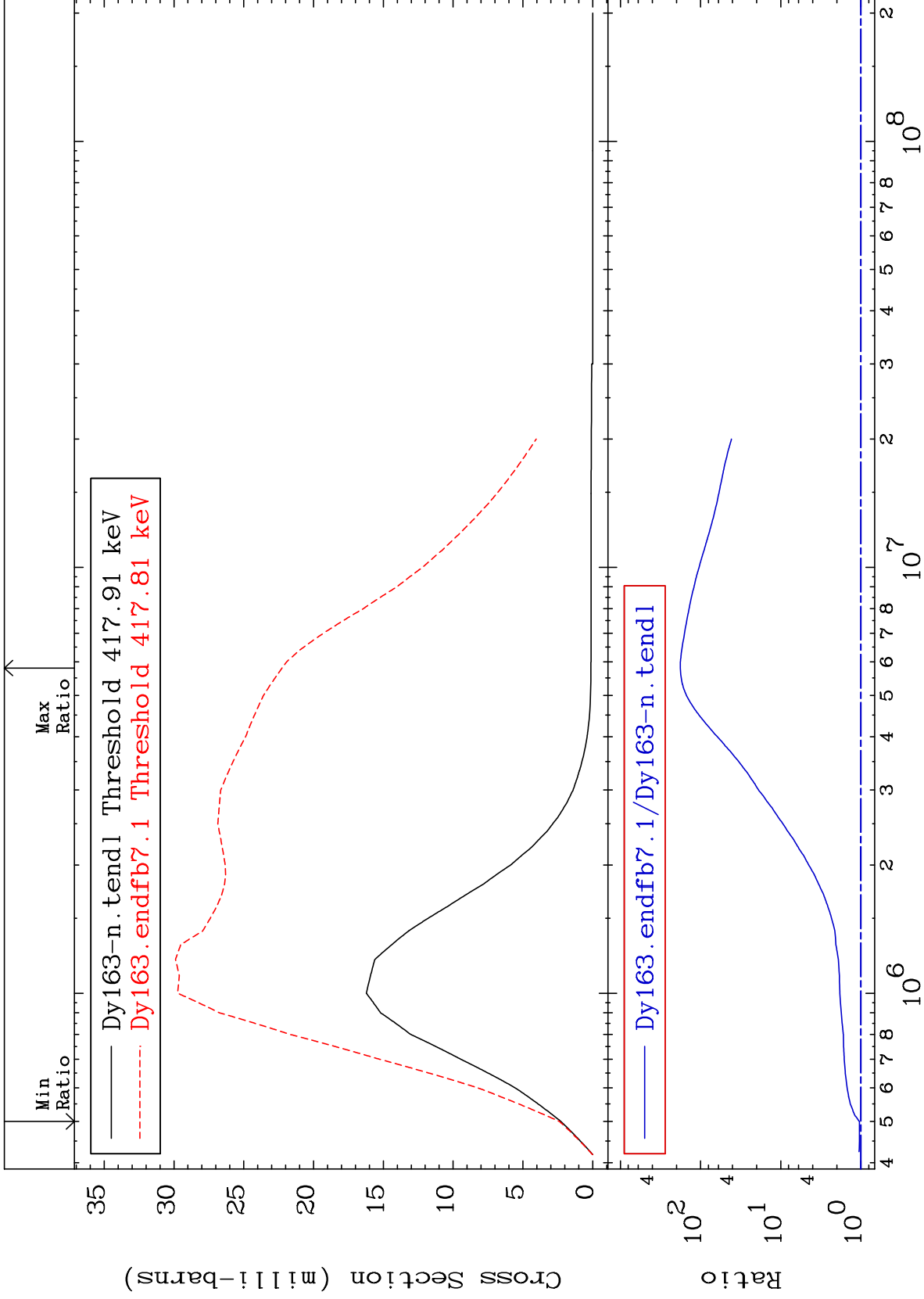
Incident Energy (eV)

66-Dy-163

MAT 6646

415.3 keV (n,n') Level  
Cross Section

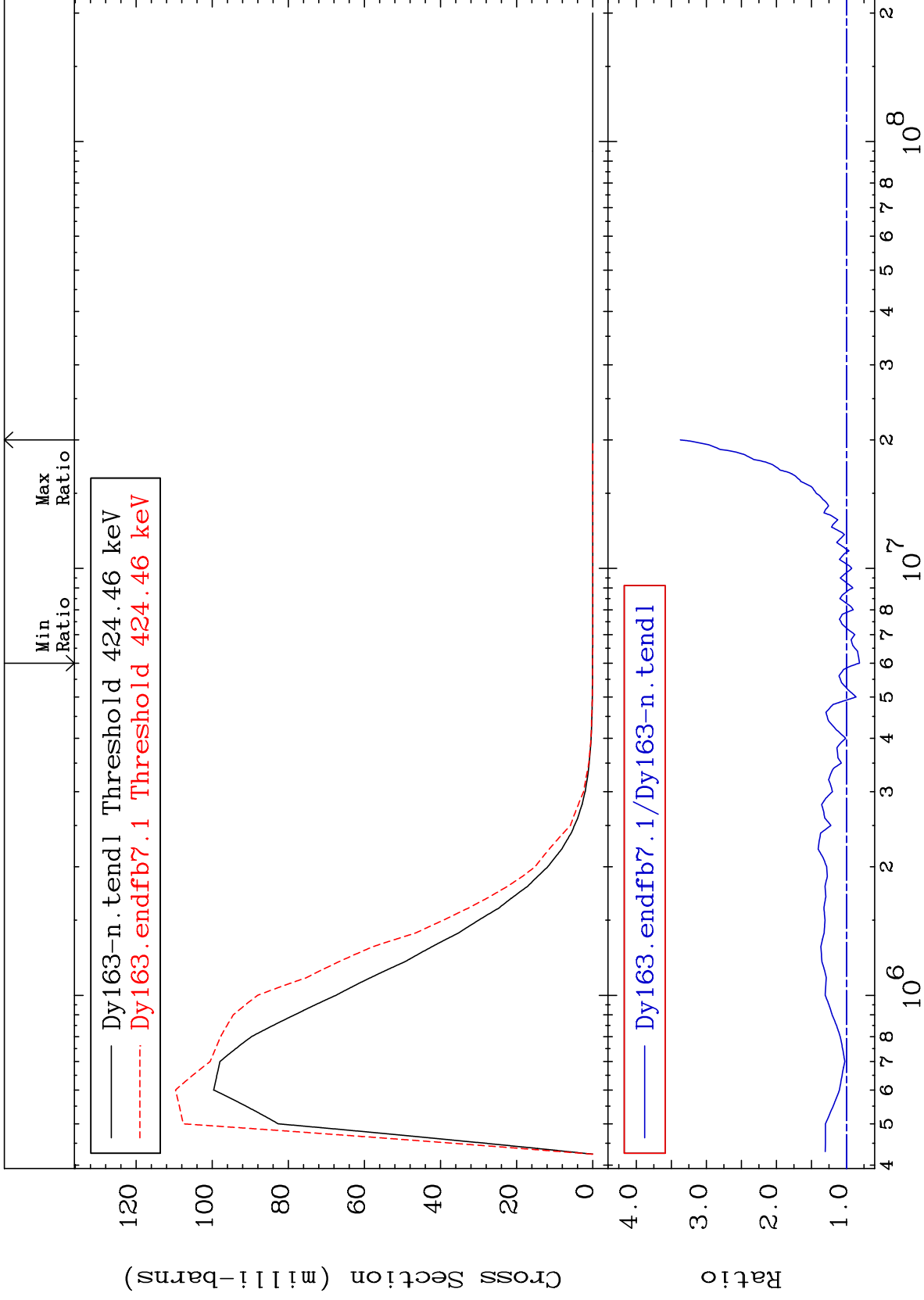
66-Dy-163  
4.443 To 9999. %



MAT 6646

421.8 keV (n,n') Level  
Cross Section

66-Dy-163  
-18.32 To 237.2 %



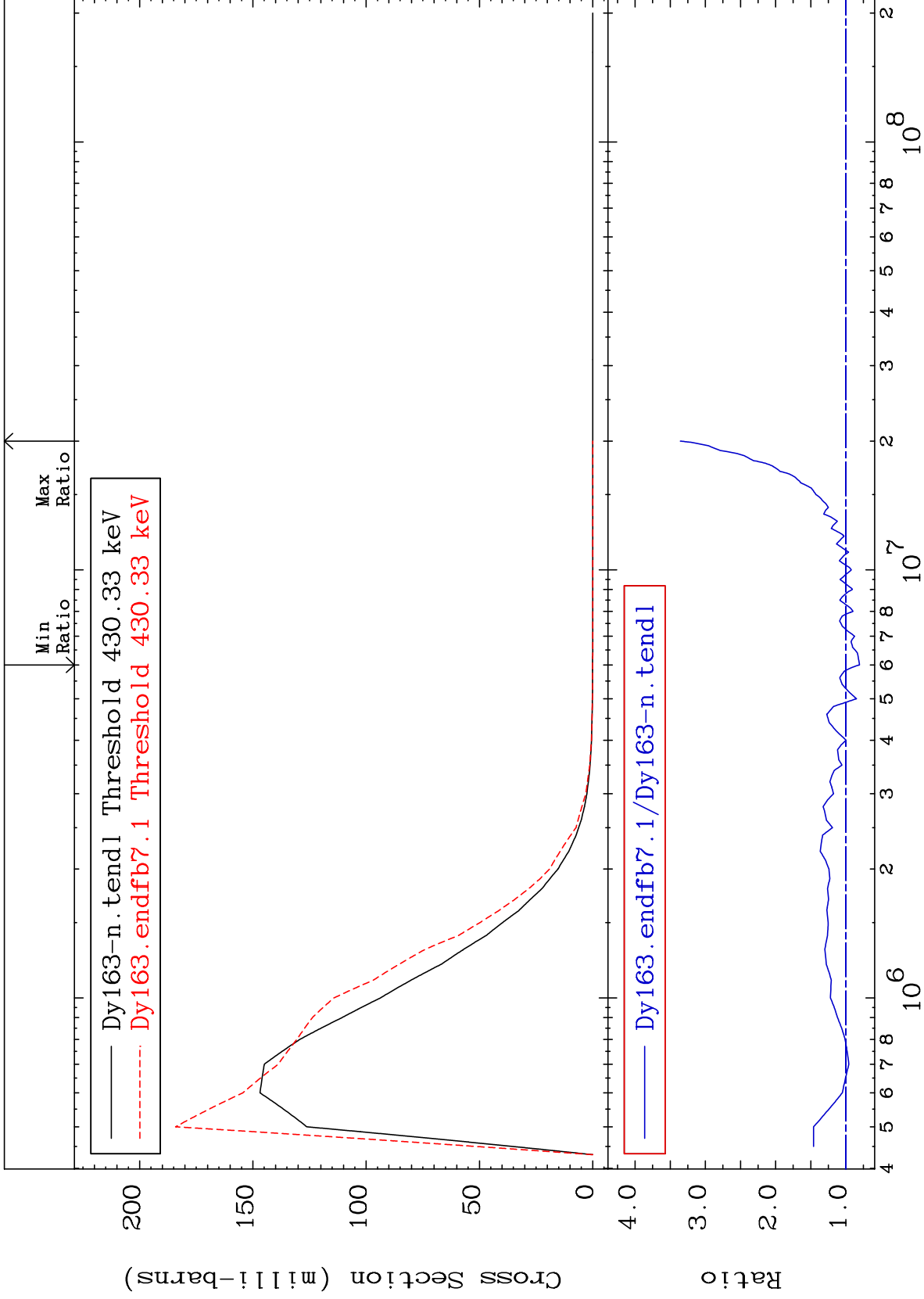
20

66-Dy-163

MAT 6646

427.7 keV (n,n') Level  
Cross Section

66-Dy-163  
-19.30 To 235.6 %



21

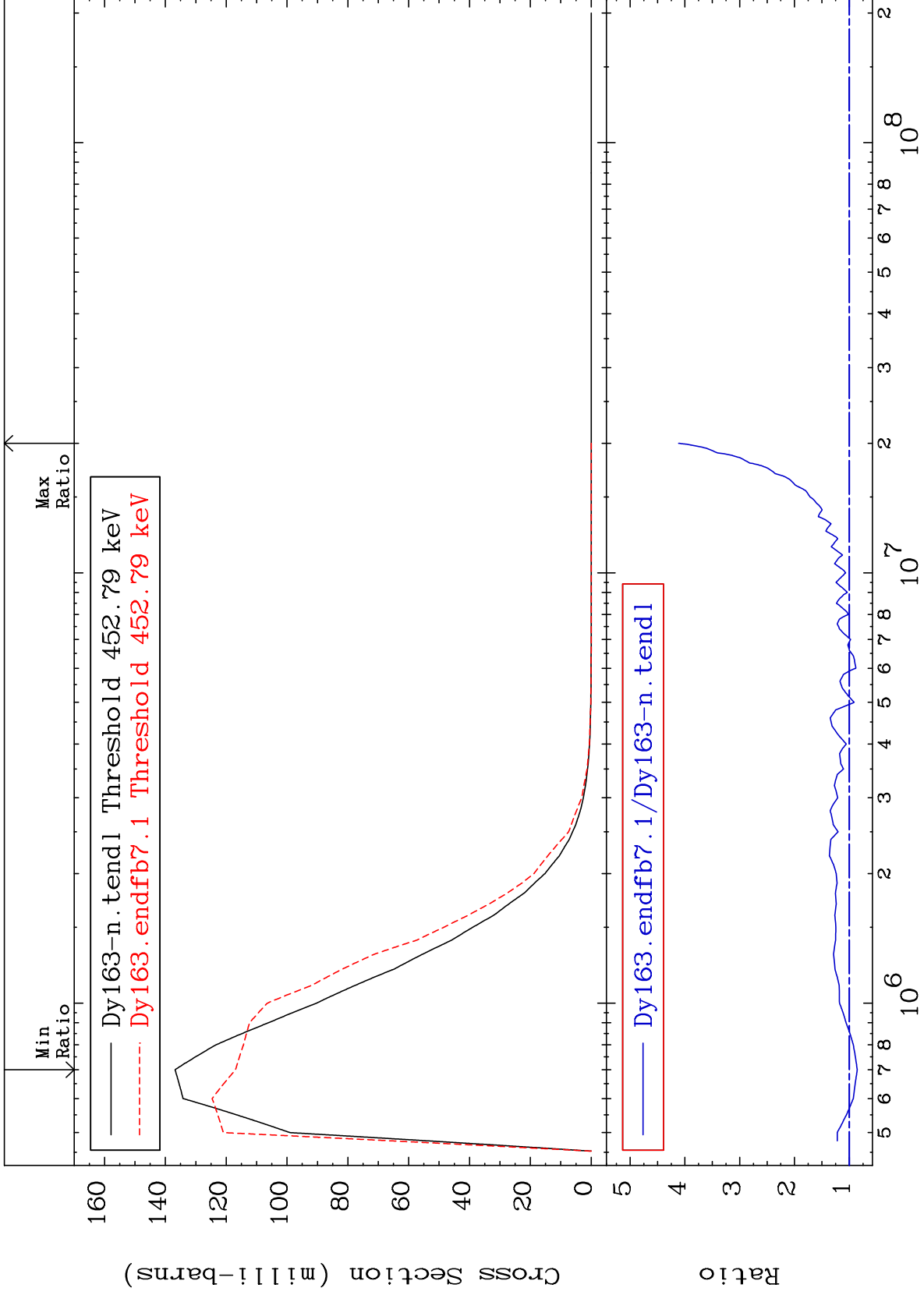
Incident Energy (eV)

66-Dy-163

MAT 6646

450.0 keV (n,n') Level  
Cross Section

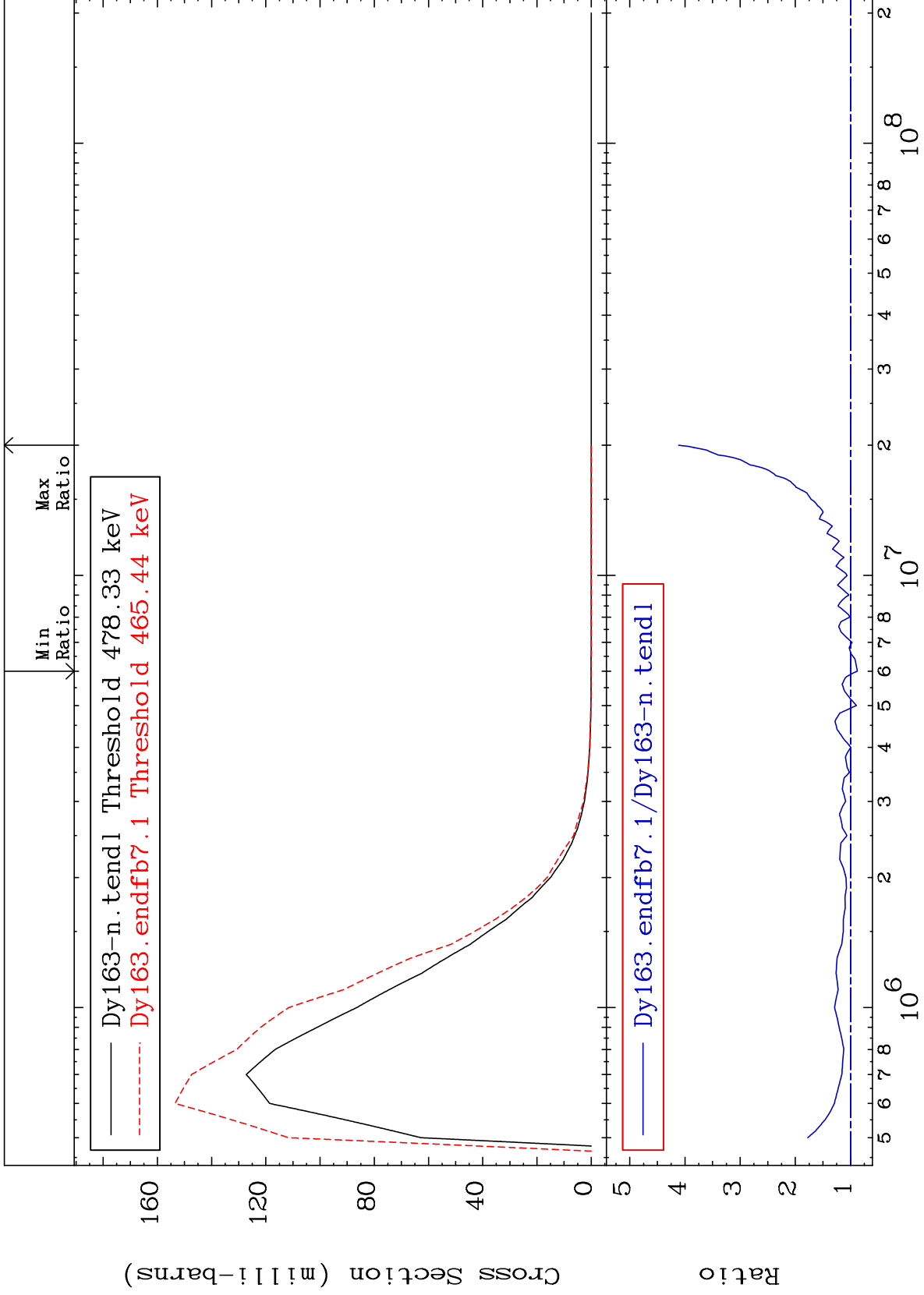
66-Dy-163  
-14.54 To 311.5 %



MAT 6646

475.4 keV (n,n') Level  
Cross Section

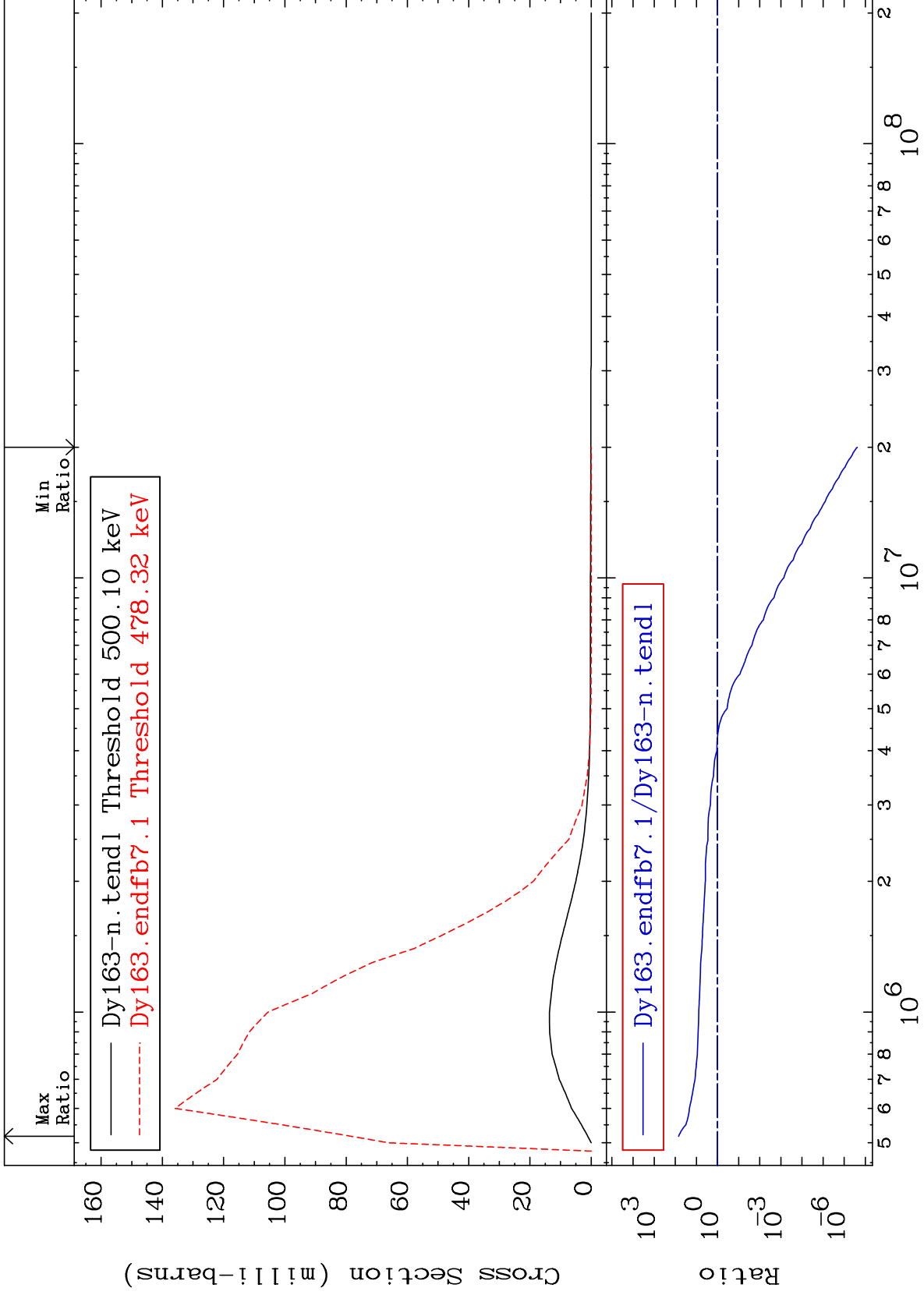
66-Dy-163  
-12.17 To 311.5 %



MAT 6646

497.0 keV (n,n') Level  
Cross Section

66-Dy-163  
-100.0 To 6837. %

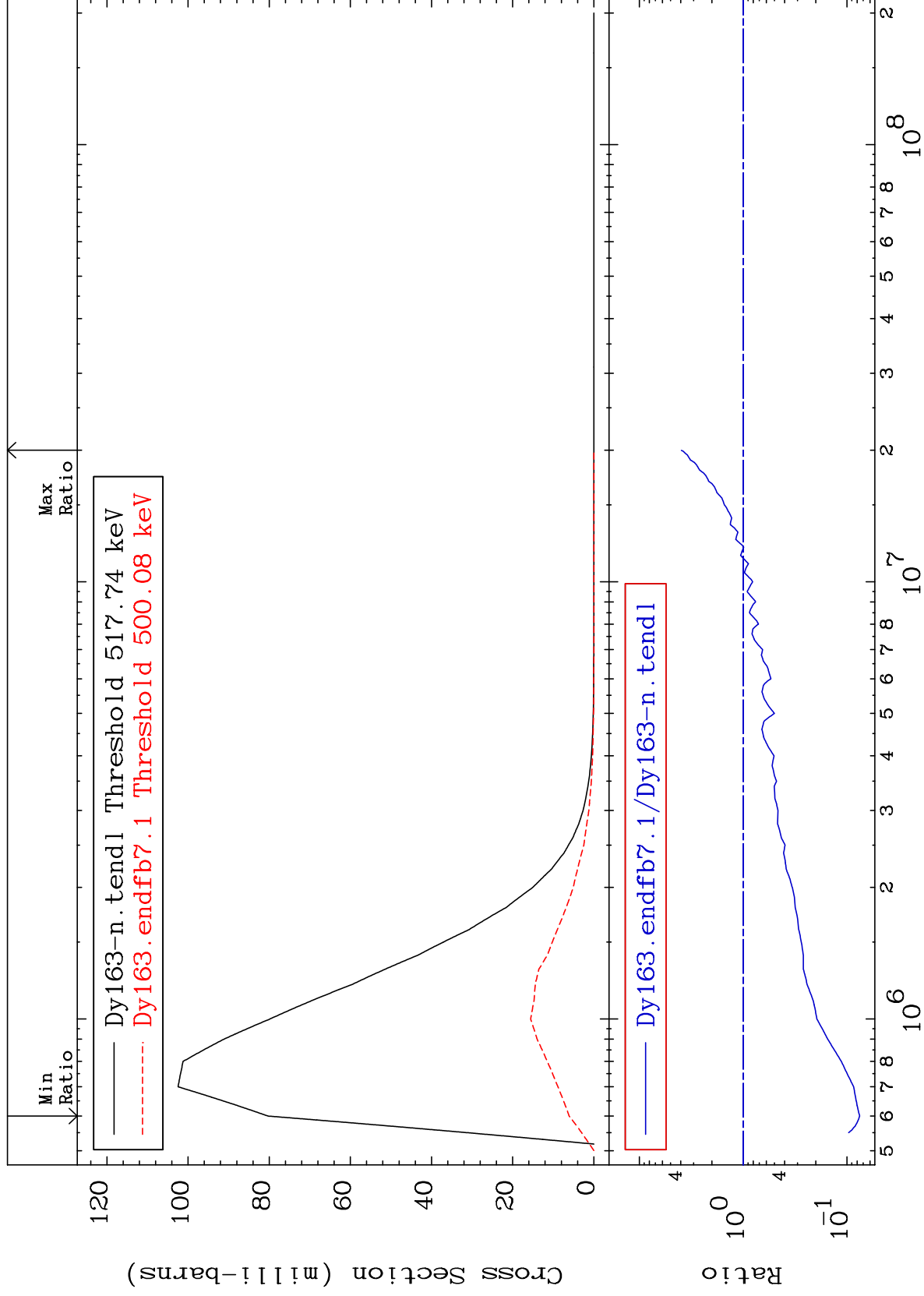




MAT 6646

514.6 keV (n,n') Level  
Cross Section

66-Dy-163  
-92.44 To 295.5 %



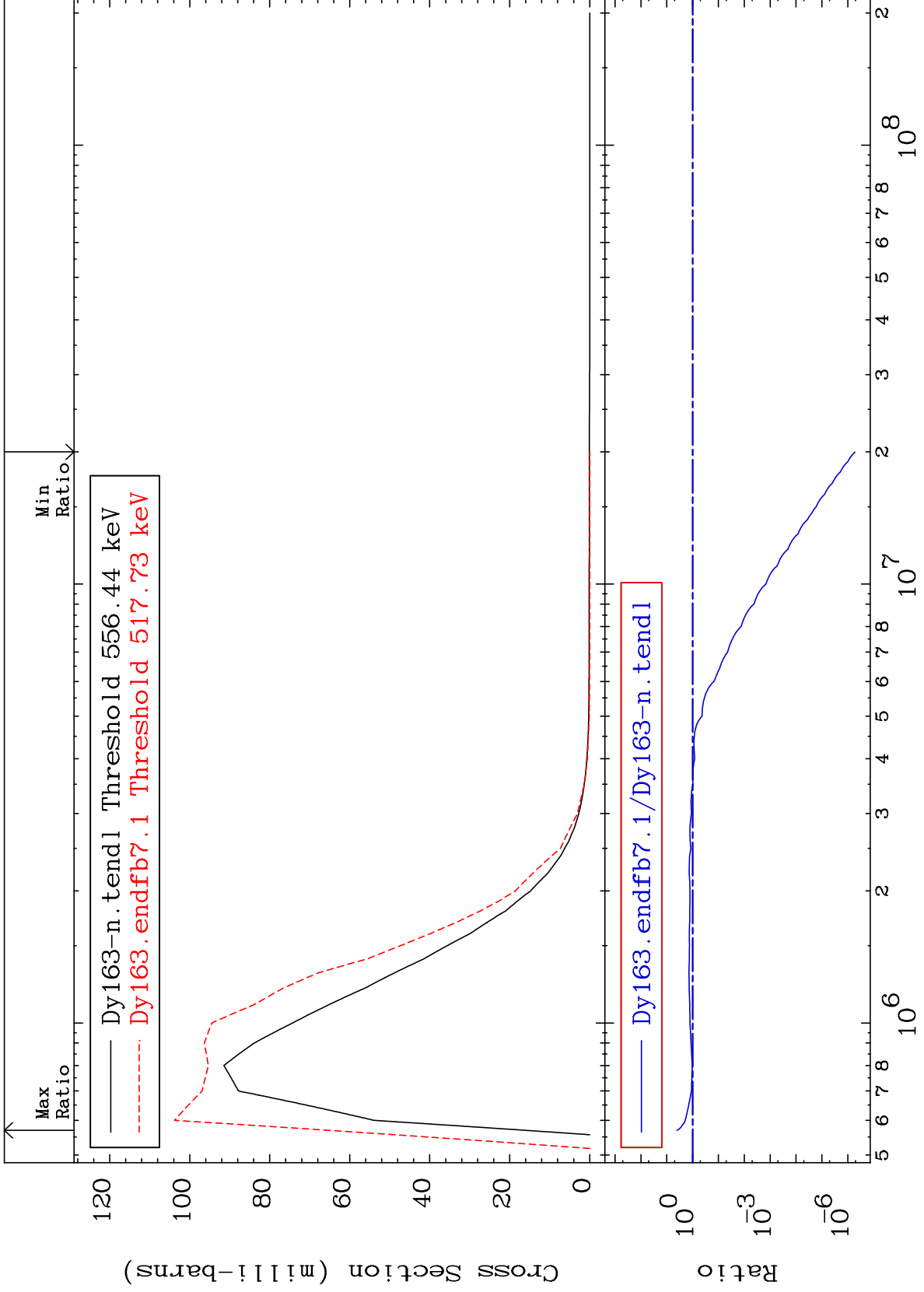
25

66-Dy-163

MAT 6646

553.0 keV (n,n') Level  
Cross Section

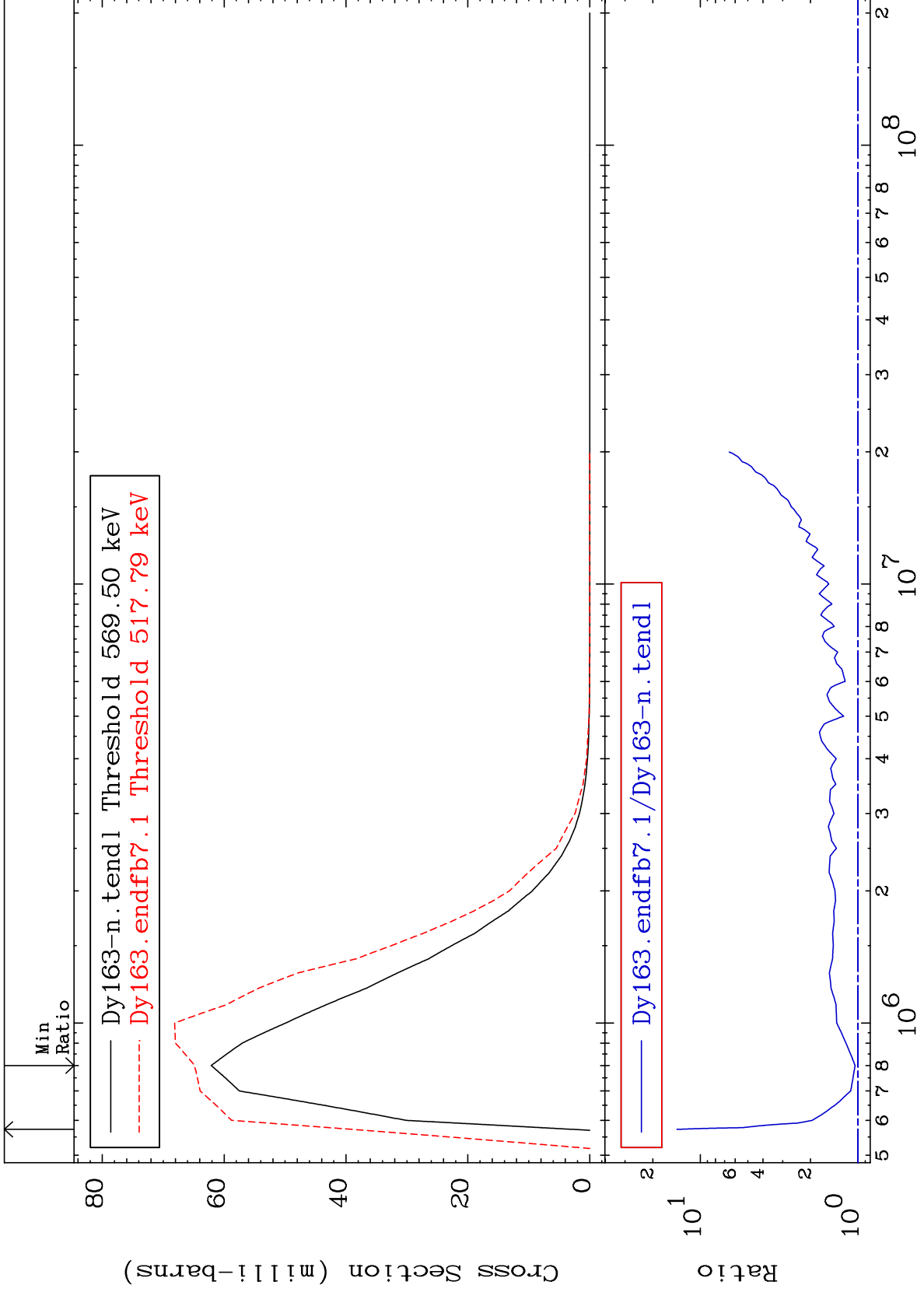
66-Dy-163  
-100.0 To 304.1 %



MAT 6646

566.0 keV (n,n') Level  
Cross Section

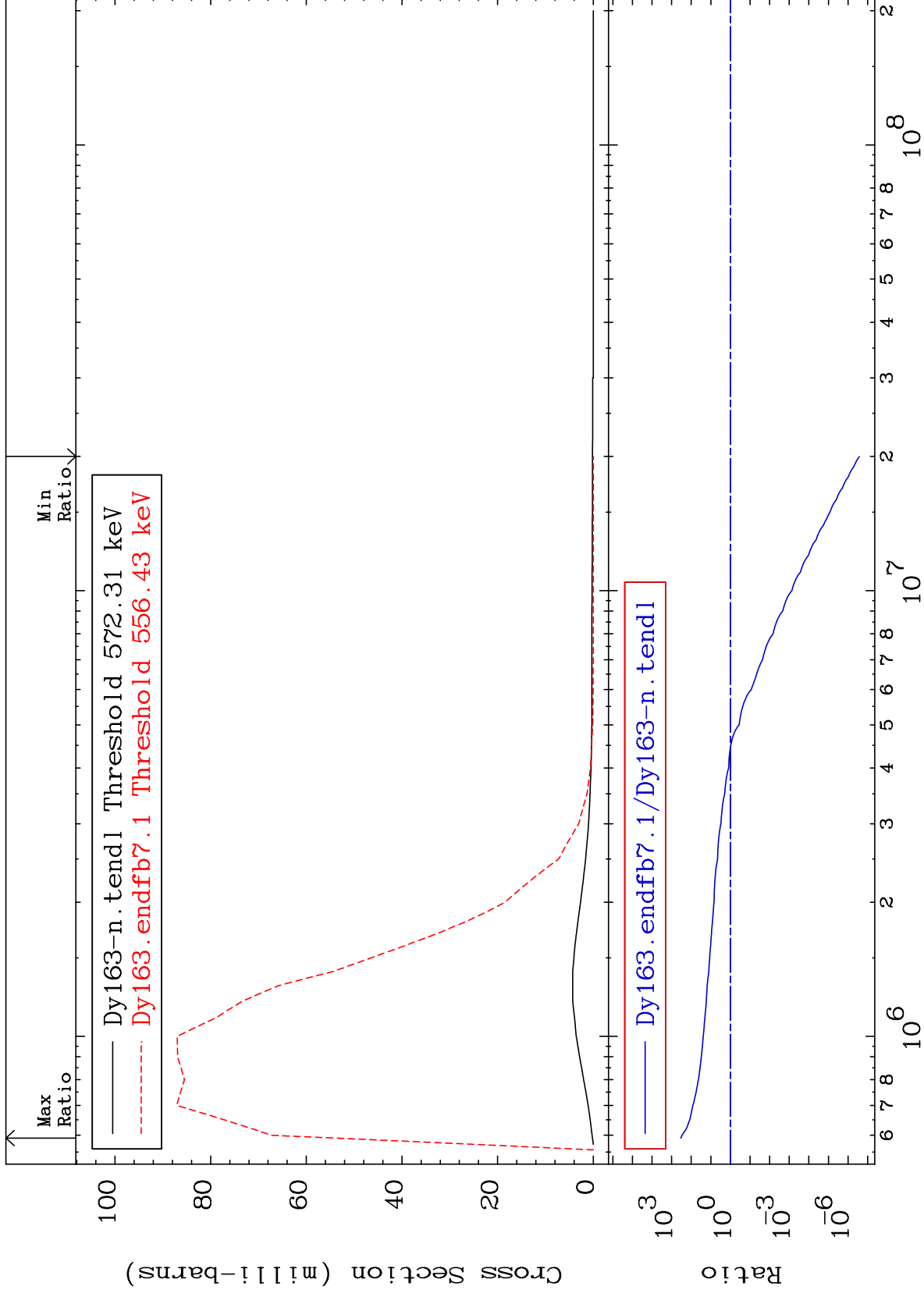
66-Dy-163  
4.384 To 1306. %



MAT 6646

568.8 keV (n,n') Level  
Cross Section

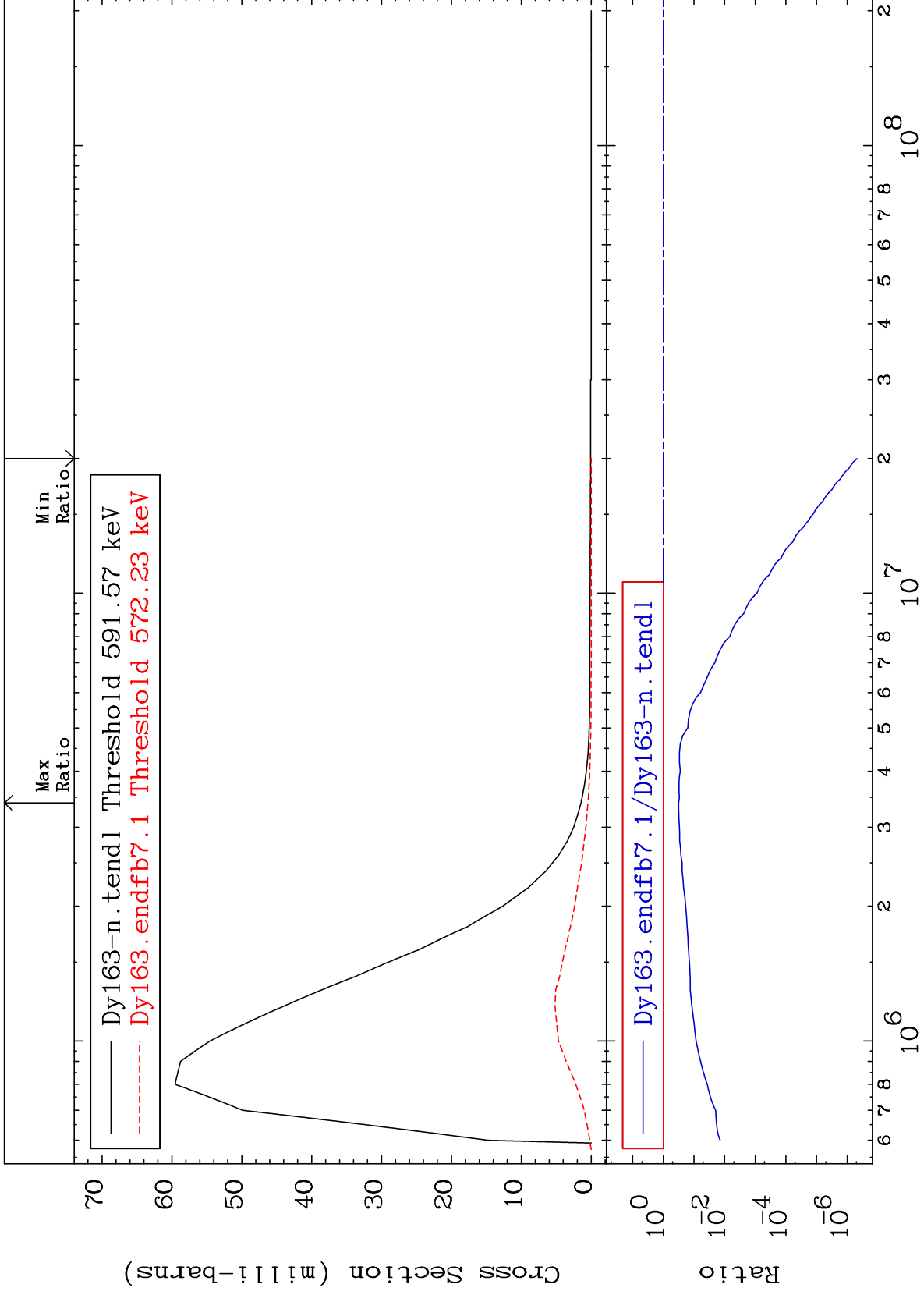
66-Dy-163  
-100.0 To 9999. %



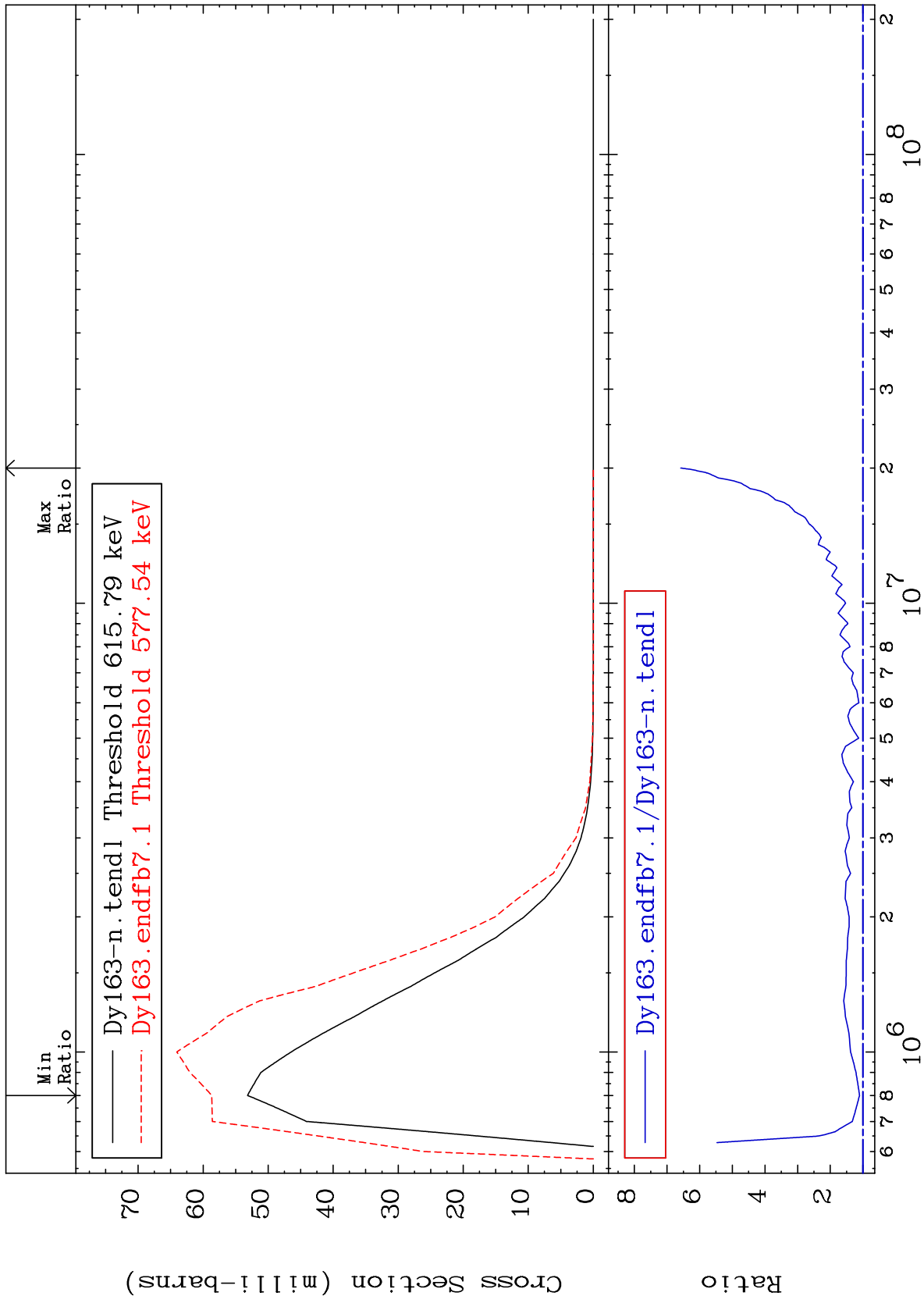
MAT 6646

587.9 keV (n,n') Level  
Cross Section

66-Dy-163  
-100.0 To -68.26%



MAT 6646 612.0 keV (n,n') Level 66-Dy-163  
Cross Section 10.33 To 557.9 %

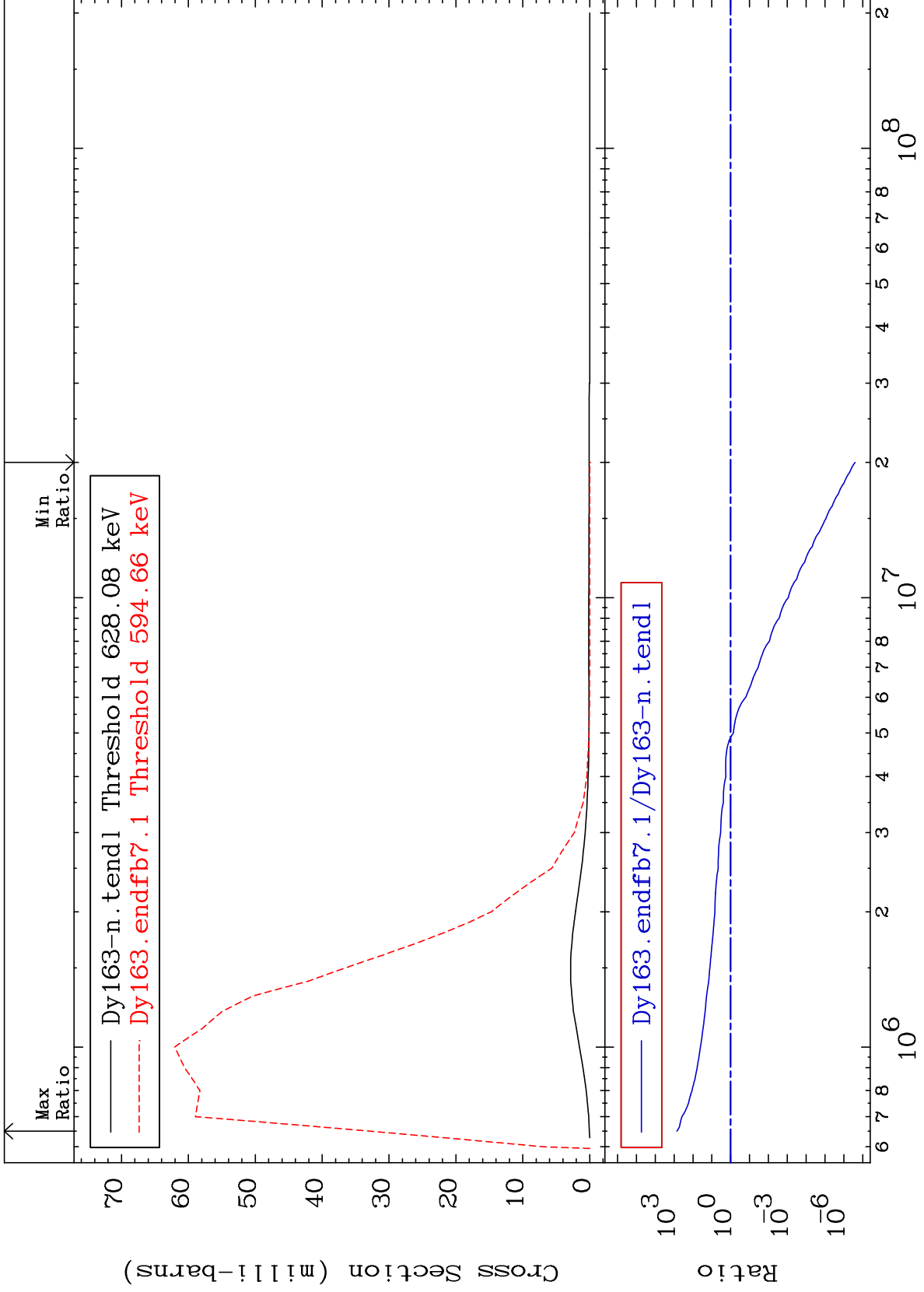


30 Incident Energy (eV) 66-Dy-163

MAT 6646

624.2 keV (n,n') Level  
Cross Section

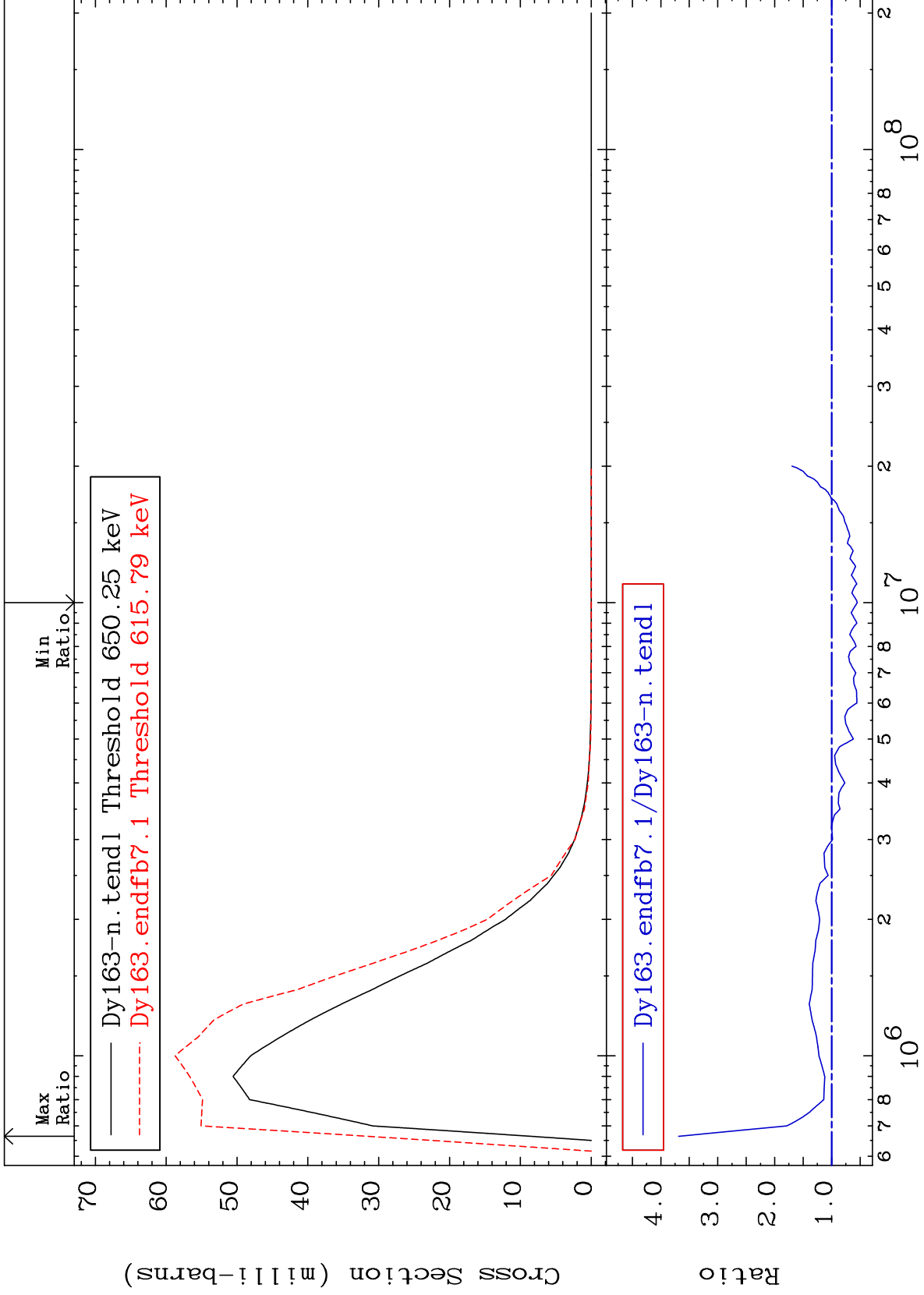
66-Dy-163  
-100.0 To 9999. %



MAT 6646

646.2 keV (n,n') Level  
Cross Section

66-Dy-163  
-45.01 To 268.7 %





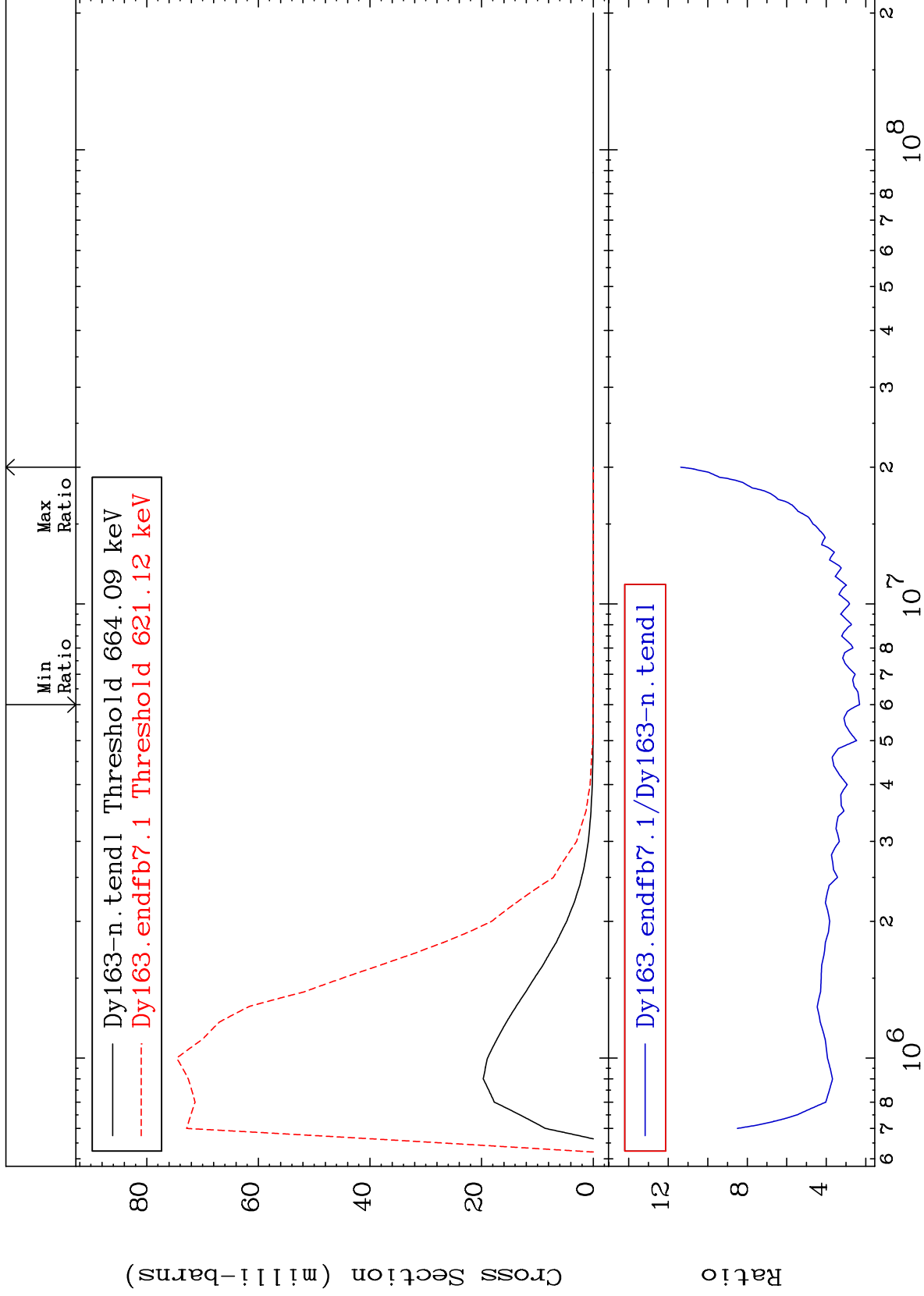
MAT 6646

660.0 keV (n,n') Level

66-Dy-163

131.6 To 1036. %

Cross Section



33

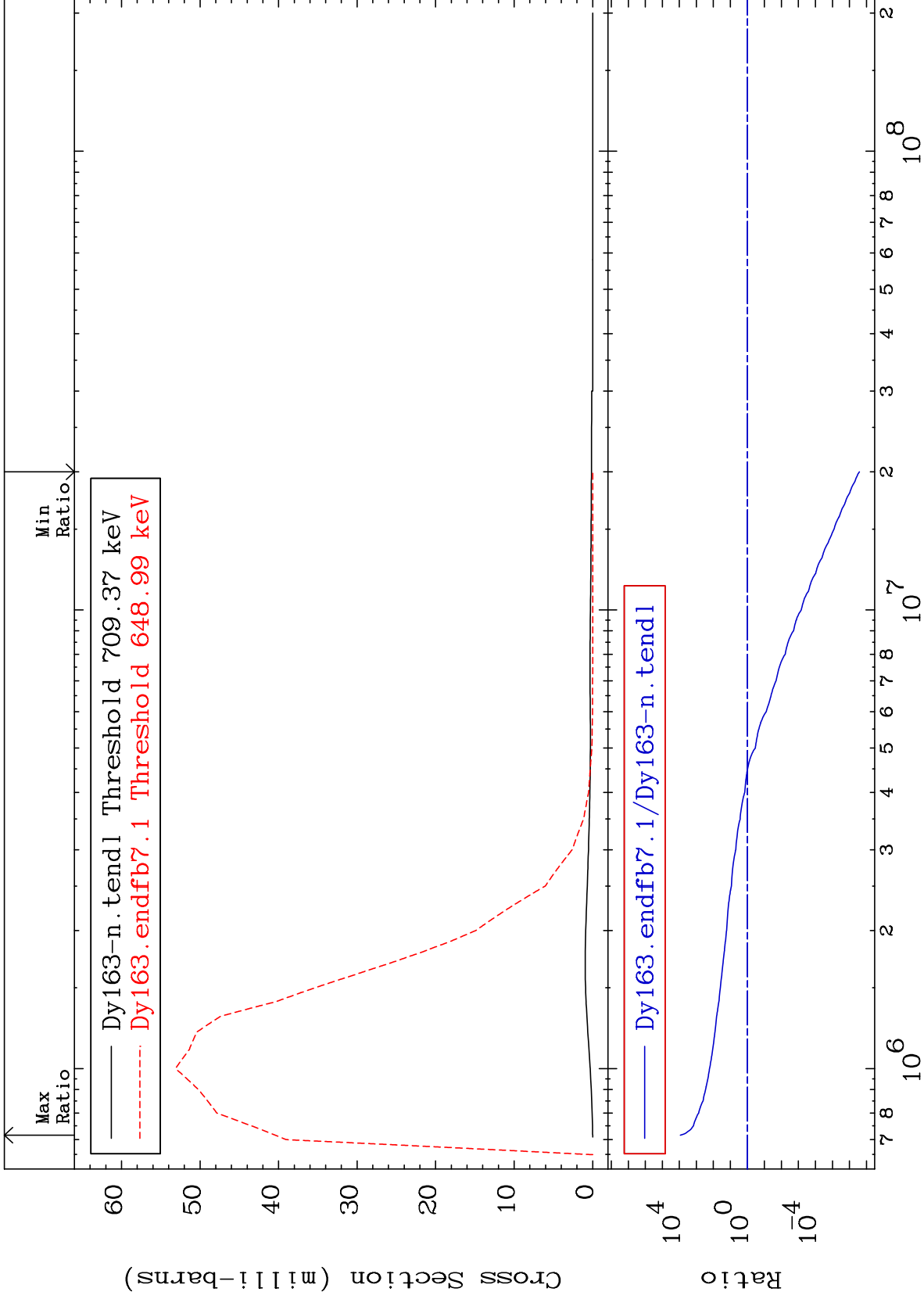
Incident Energy (eV)

66-Dy-163

MAT 6646

705.0 keV (n,n') Level  
Cross Section

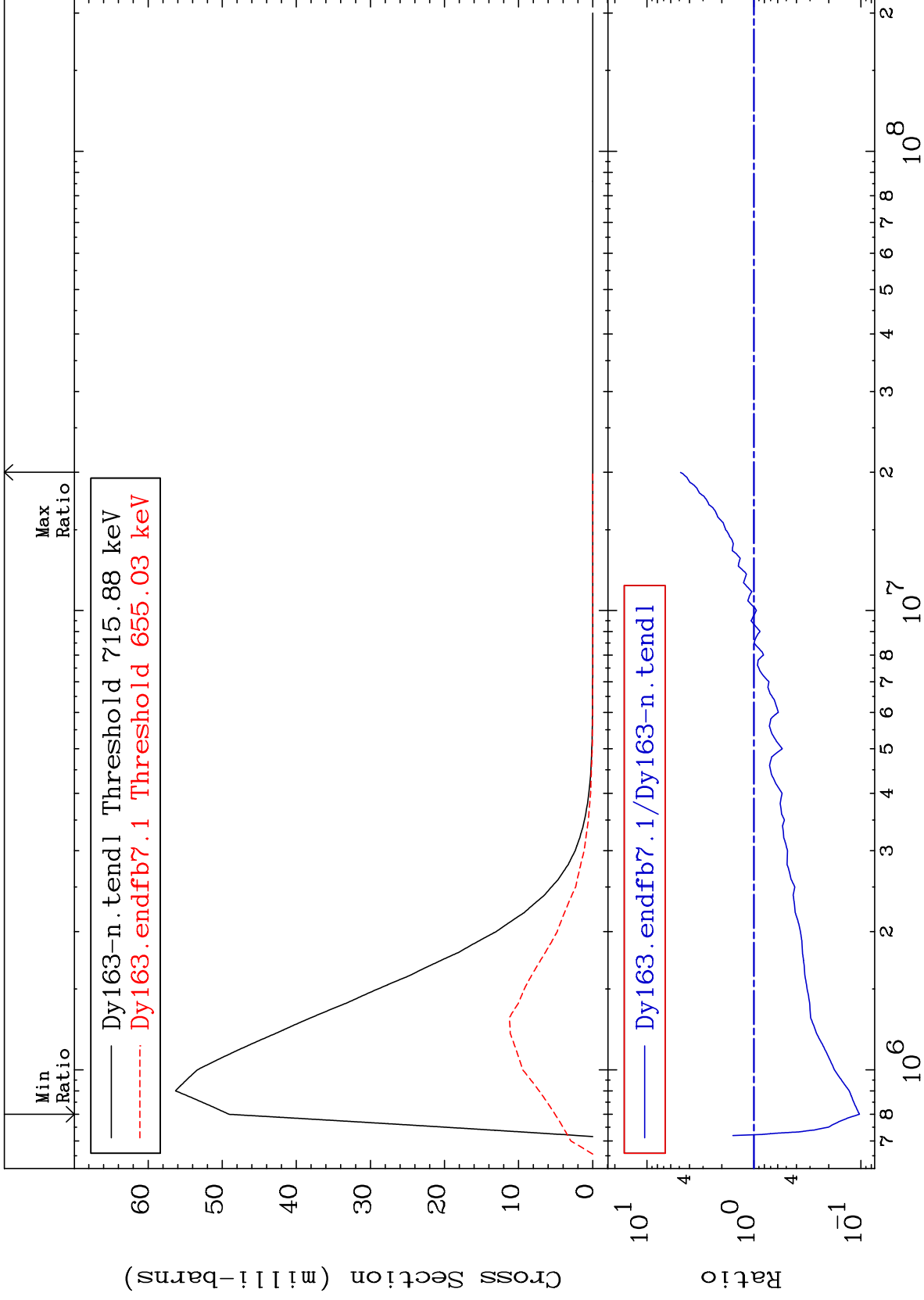
66-Dy-163  
-100.0 To 9999. %



MAT 6646

711.5 keV (n,n') Level  
Cross Section

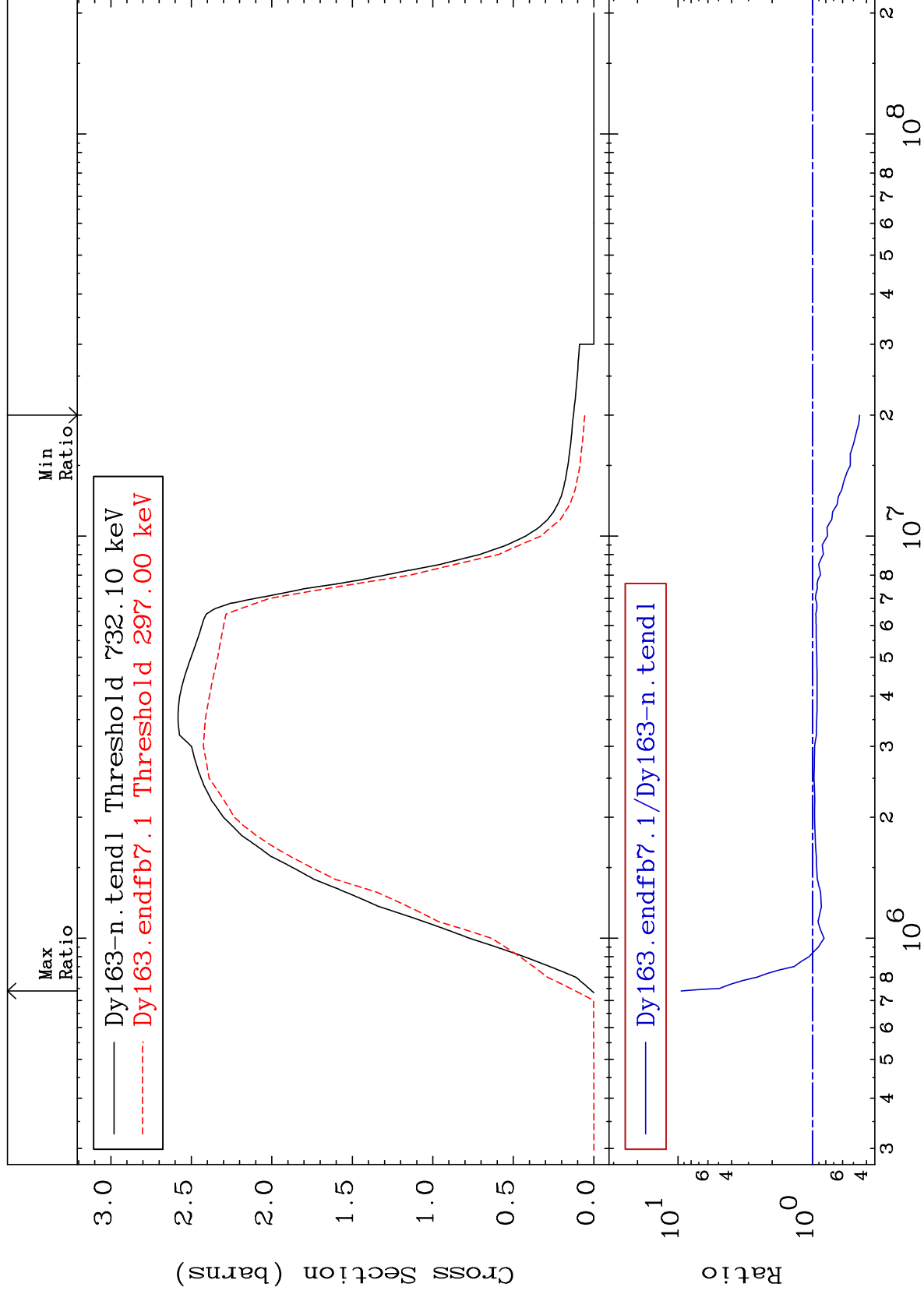
66-Dy-163  
-89.67 To 387.9 %



MAT 6646

(n, n') Continuum  
Cross Section

66-Dy-163  
-55.10 To 846.8 %



36

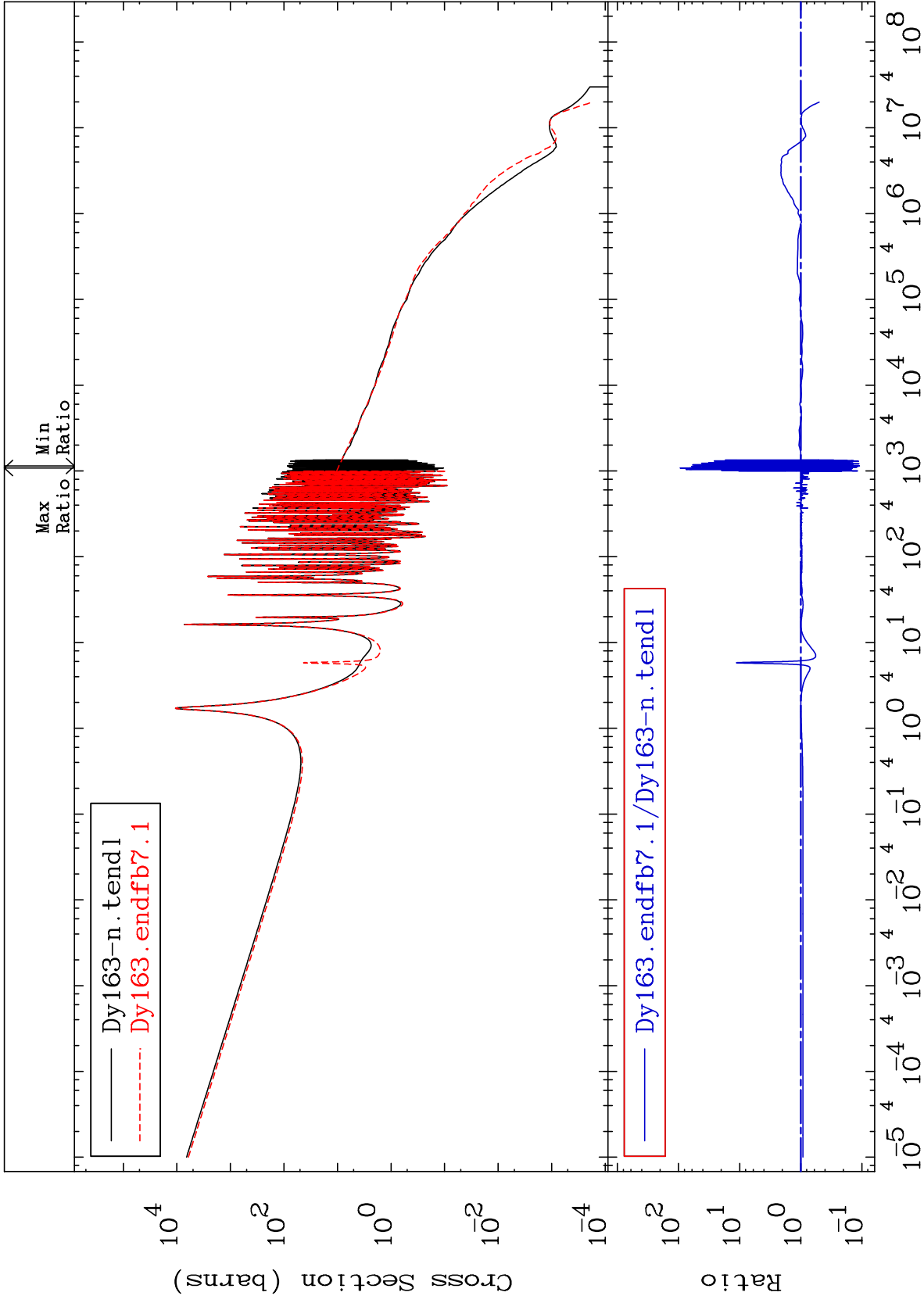
Incident Energy (eV)

66-Dy-163

MAT 6646

(n,  $\gamma$ )  
Cross Section

66-Dy-163  
-89.04 To 9231. %



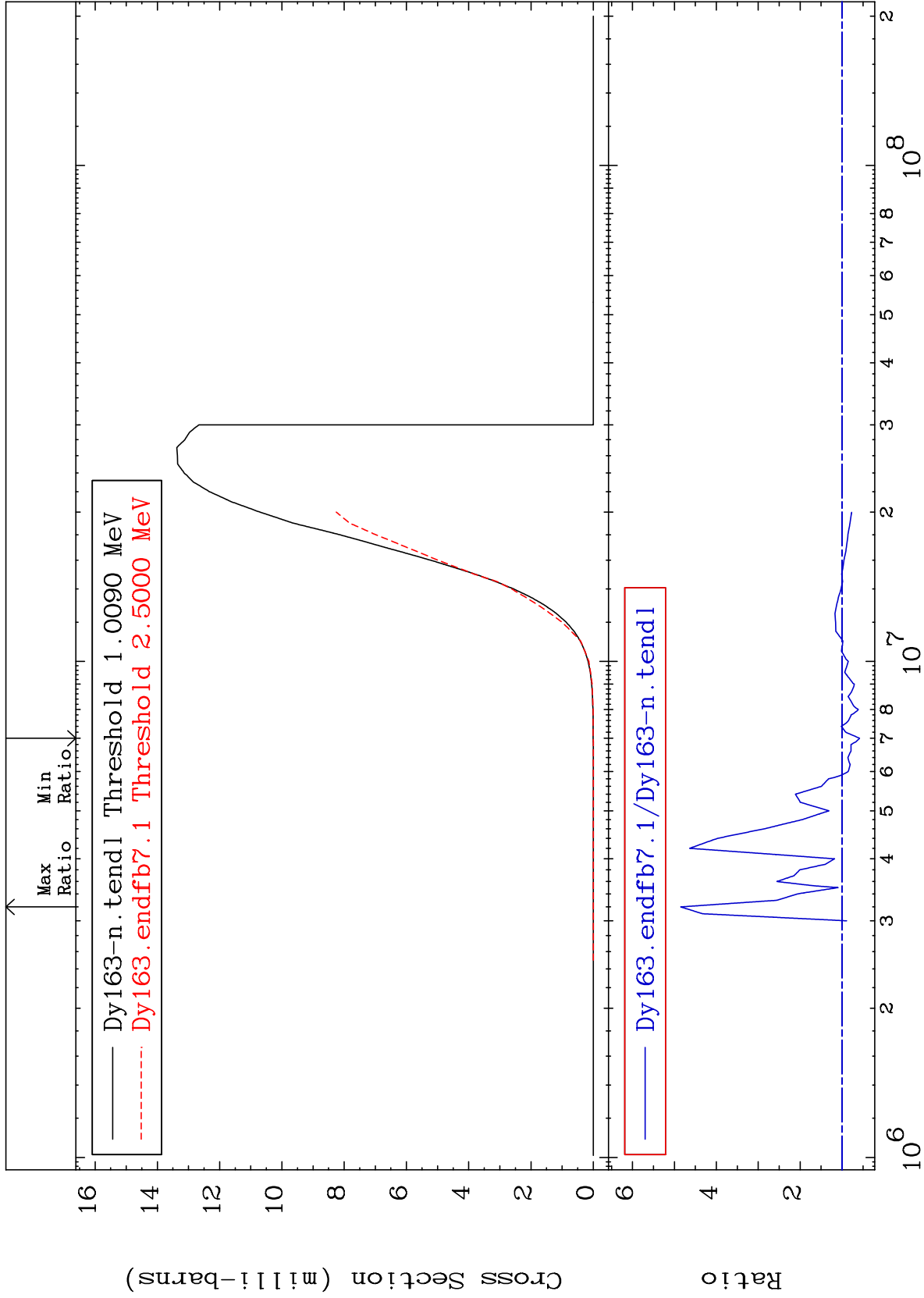
MAT 6646

(n,p)

66-Dy-163

Cross Section

-41.77 To 384.8 %



38

66-Dy-163

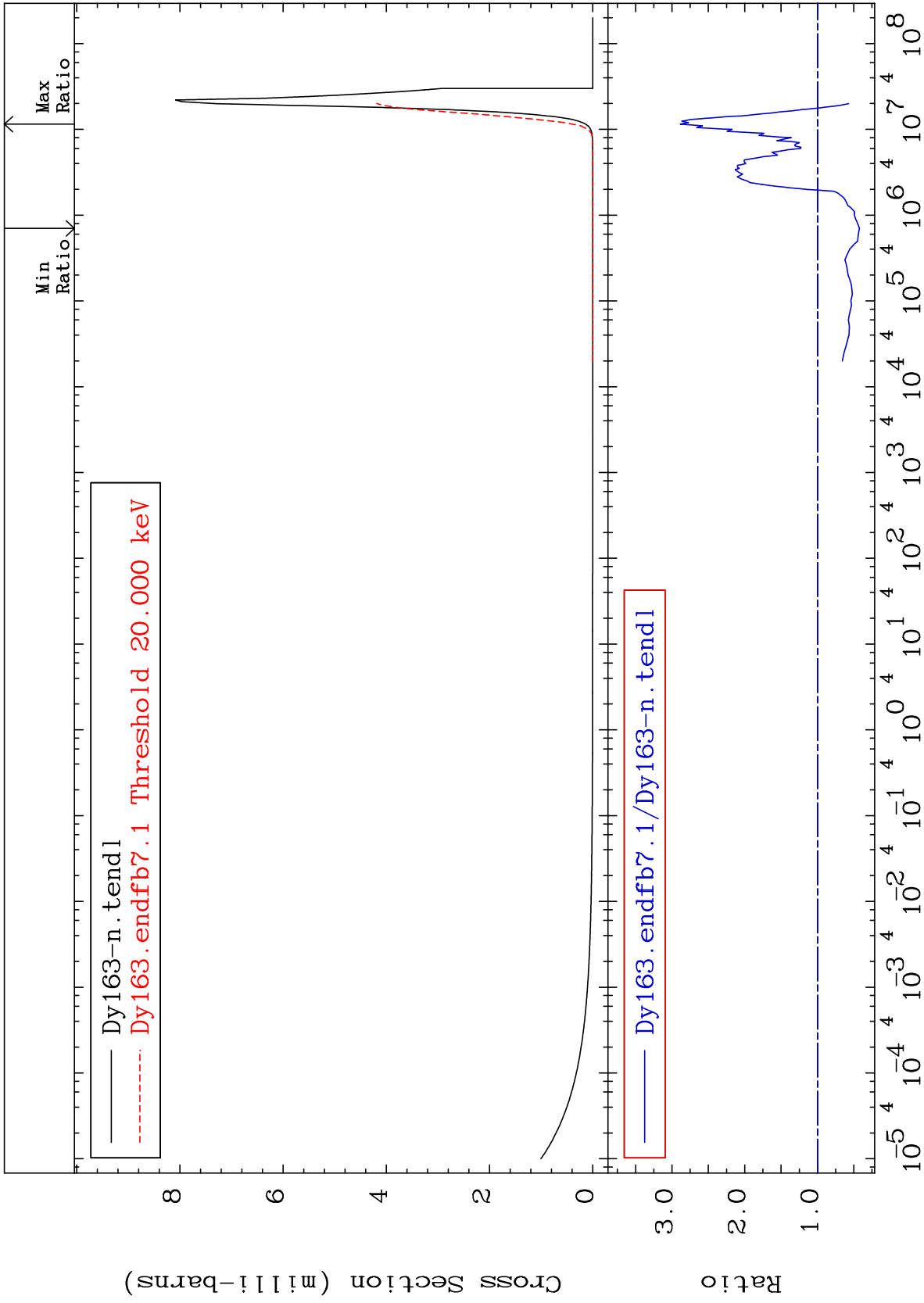
MAT 6646

(n,  $\alpha$ )

66-Dy-163

Cross Section

-57.68 To 188.5 %



39

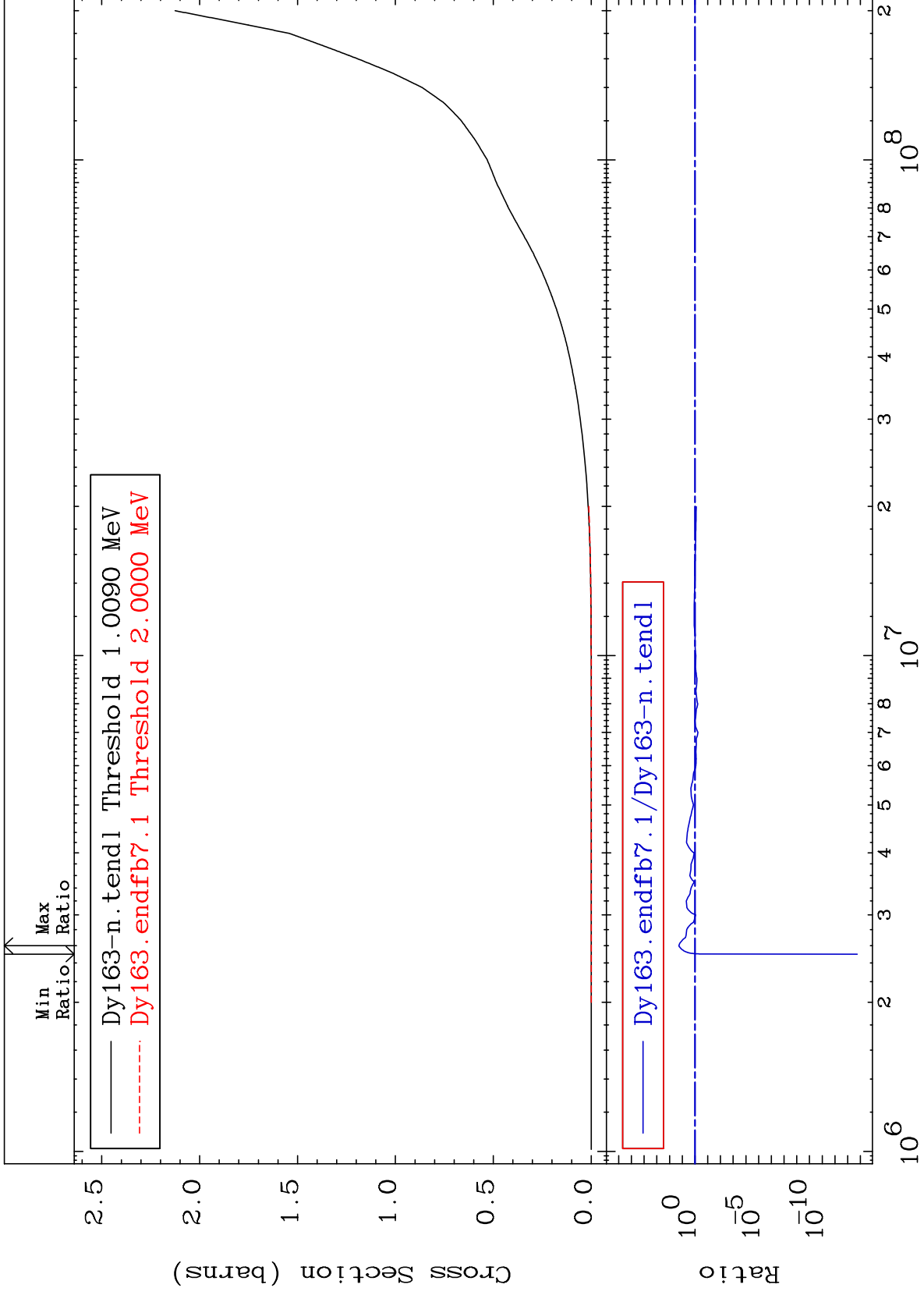
Incident Energy (eV)

66-Dy-163

MAT 6646

Hydrogen Production  
Cross Section

66-Dy-163  
-100.0 To 1838. %



40

Incident Energy (eV)

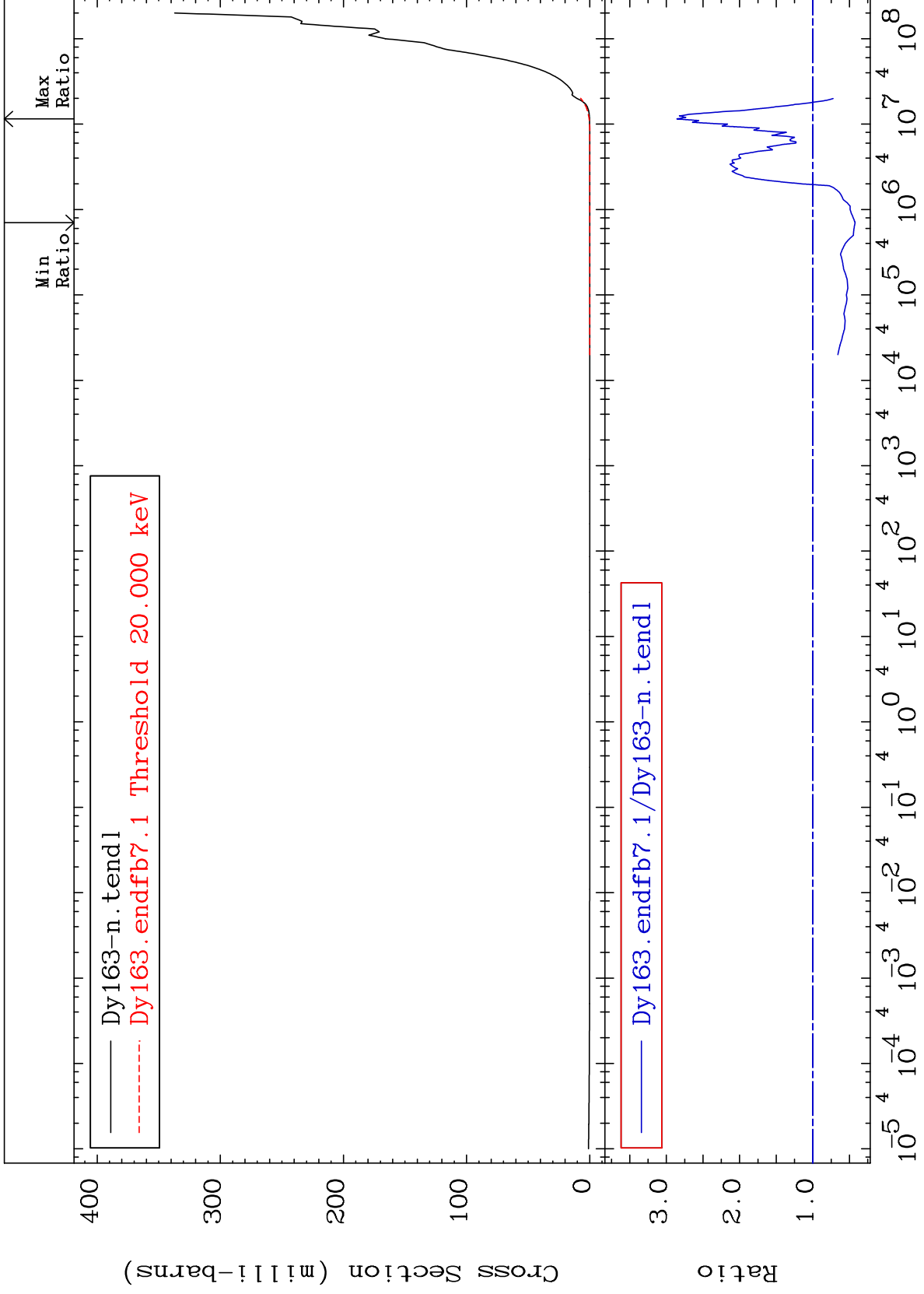
66-Dy-163



MAT 6646

He-4 Production  
Cross Section

66-Dy-163  
-57.68 To 185.6 %



41

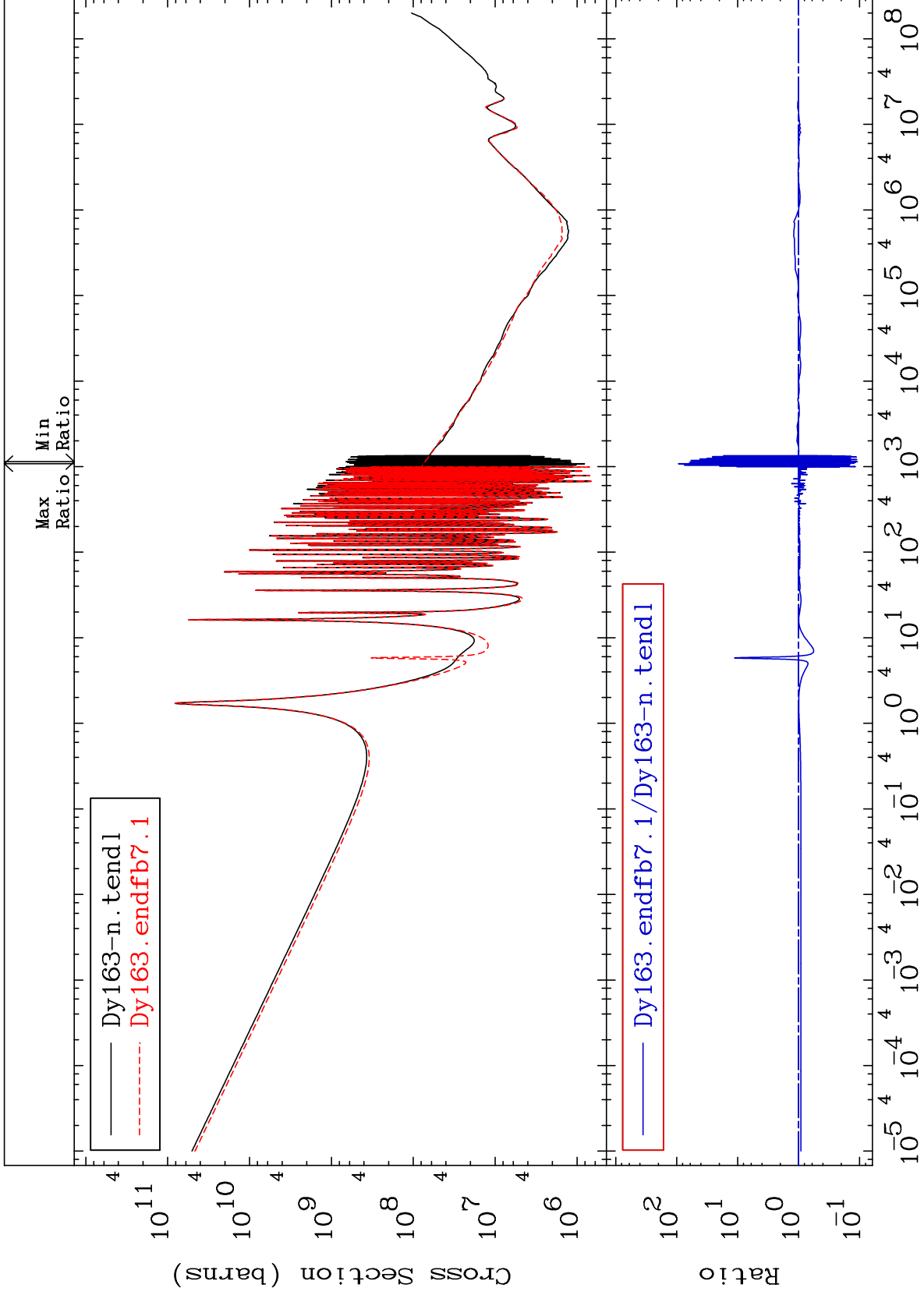
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma total (eV-barns)  
Cross Section

66-Dy-163  
-89.09 To 9186. %



42

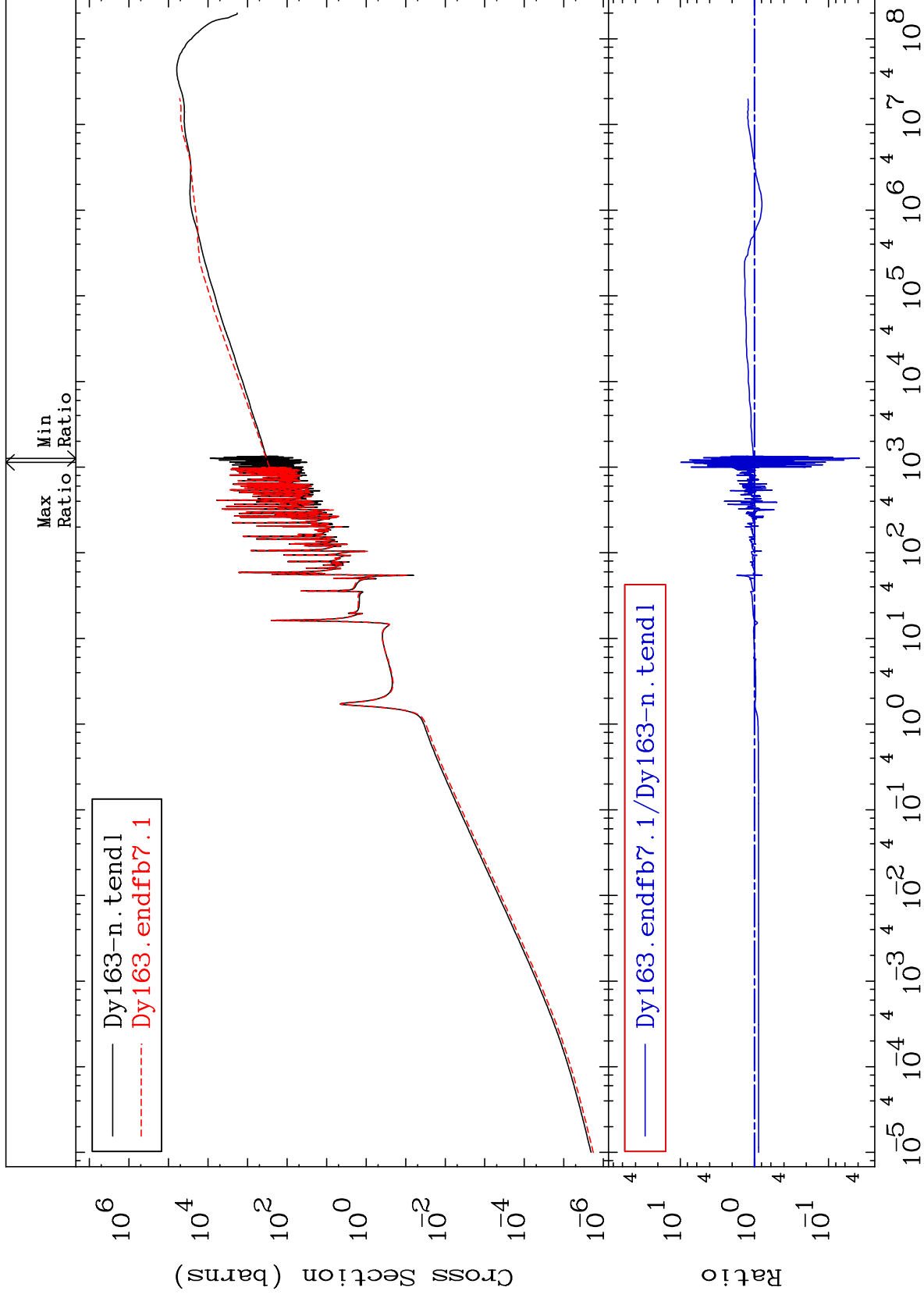
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma elastic  
Cross Section

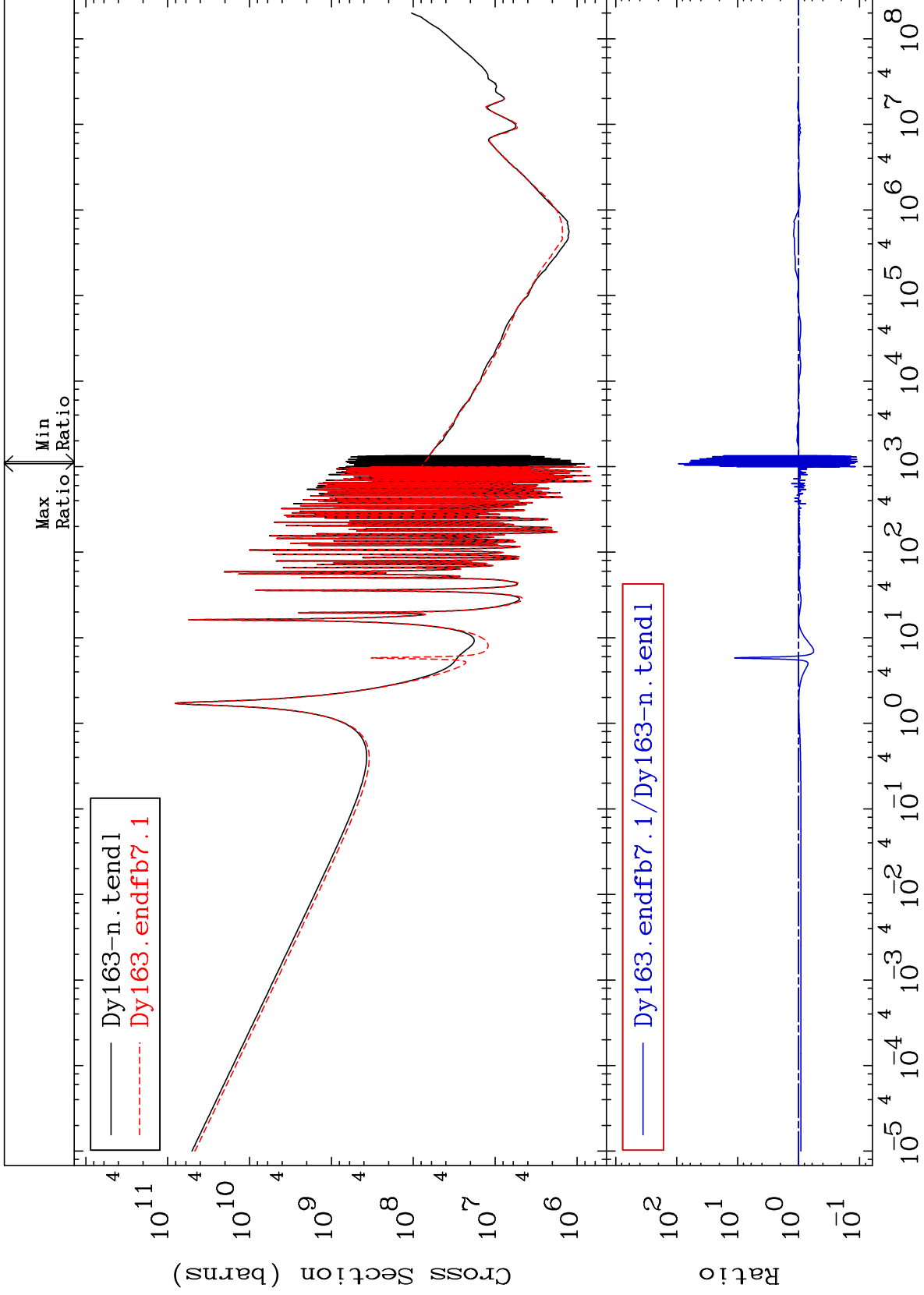
66-Dy-163  
-96.18 To 882.7 %



MAT 6646

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-163  
-89.09 To 9187. %



44

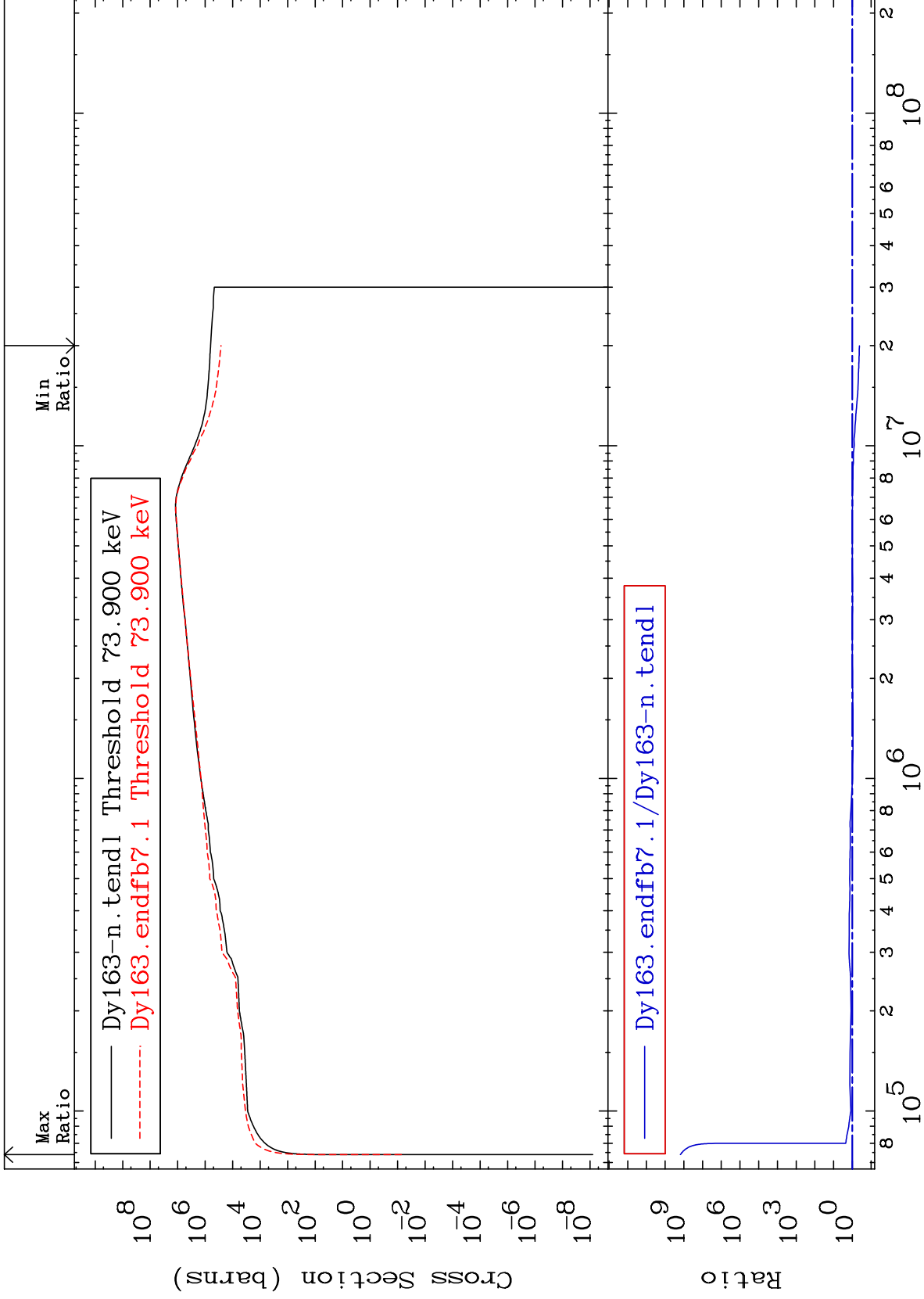
Incident Energy (eV)

66-Dy-163

MAT 6646

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-163  
-58.36 To 9999. %



45

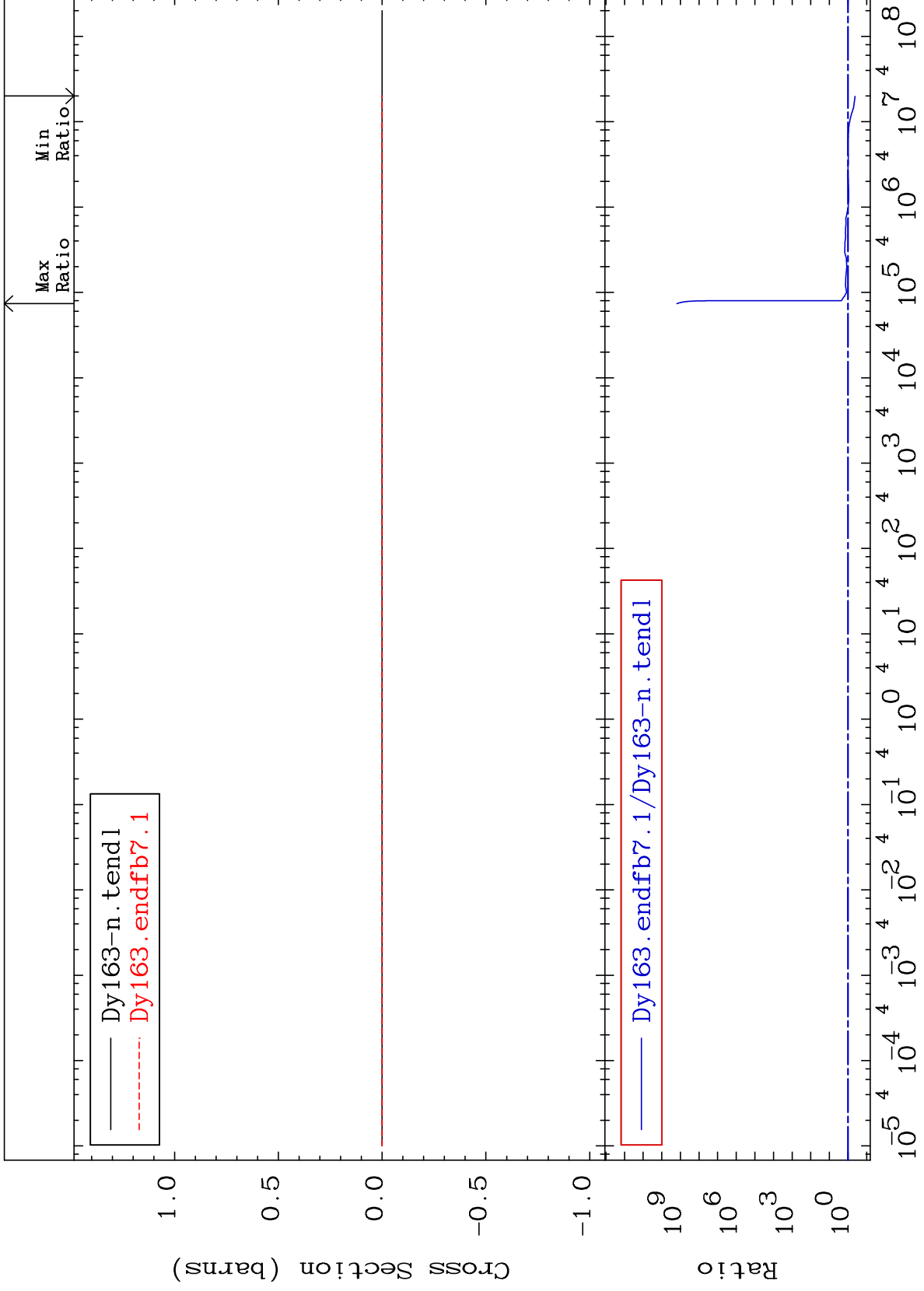
Incident Energy (eV)

66-Dy-163

MAT 6646

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

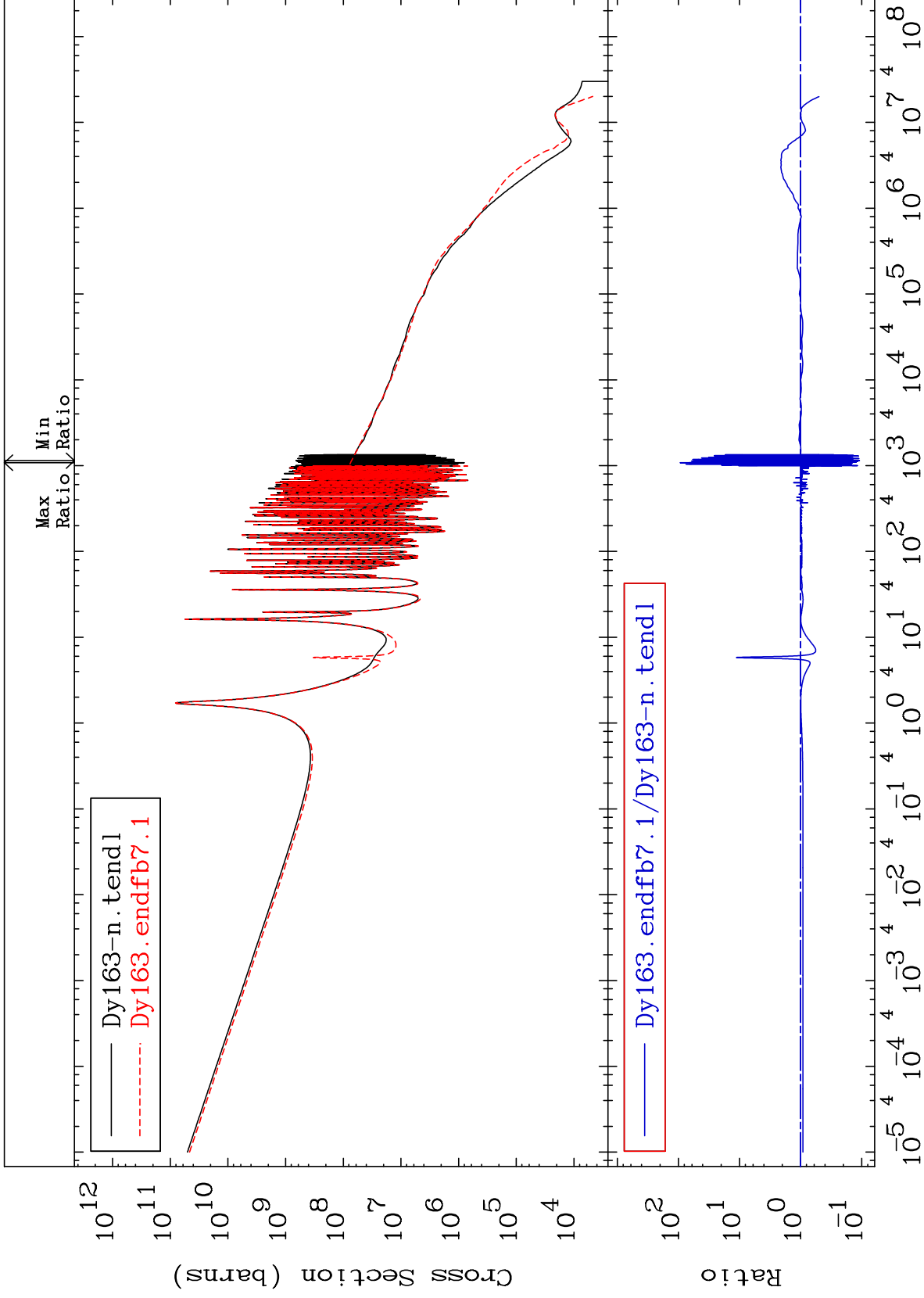
66-Dy-163  
-58.36 To 9999. %



46

Incident Energy (eV)

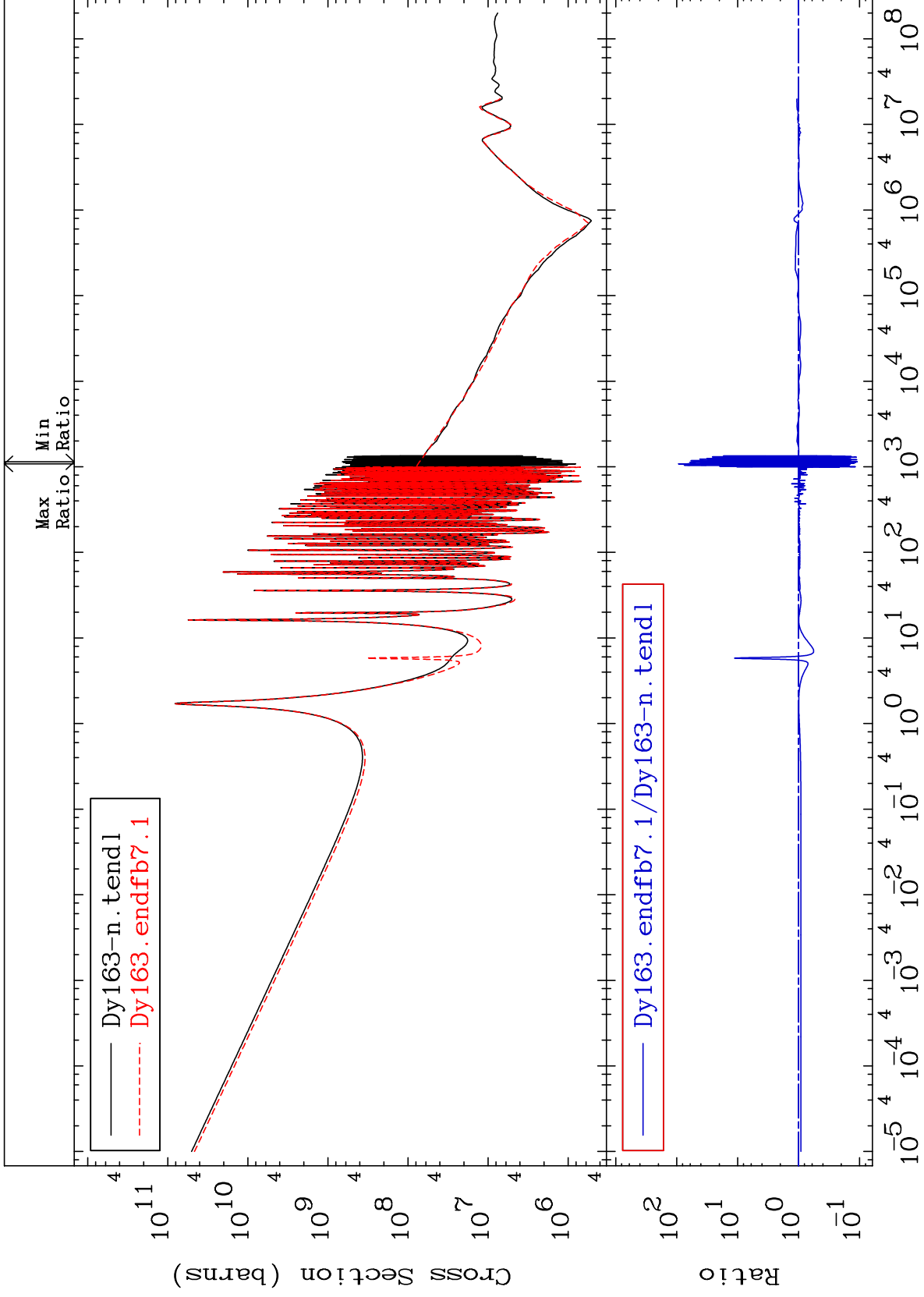
66-Dy-163



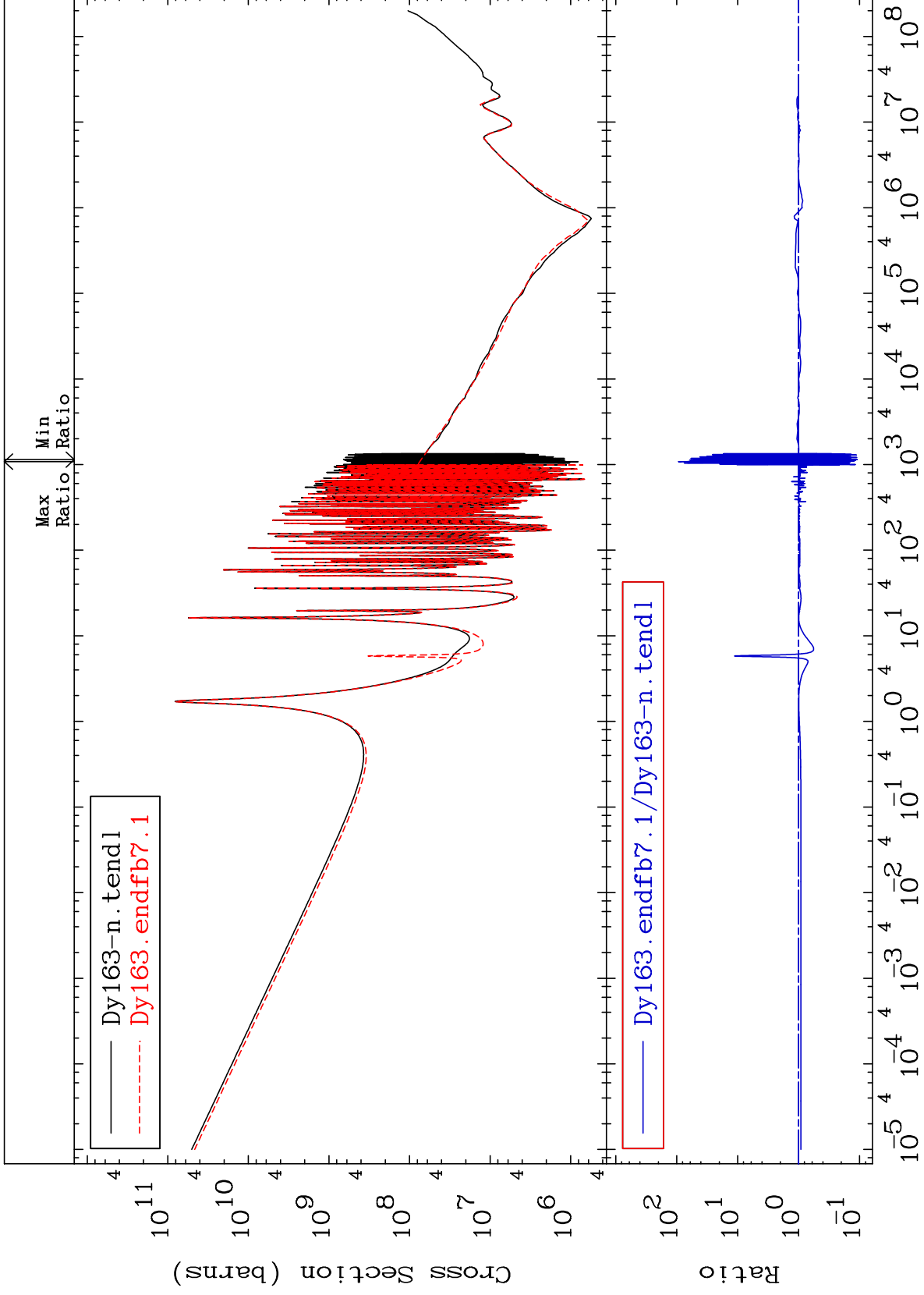
MAT 6646

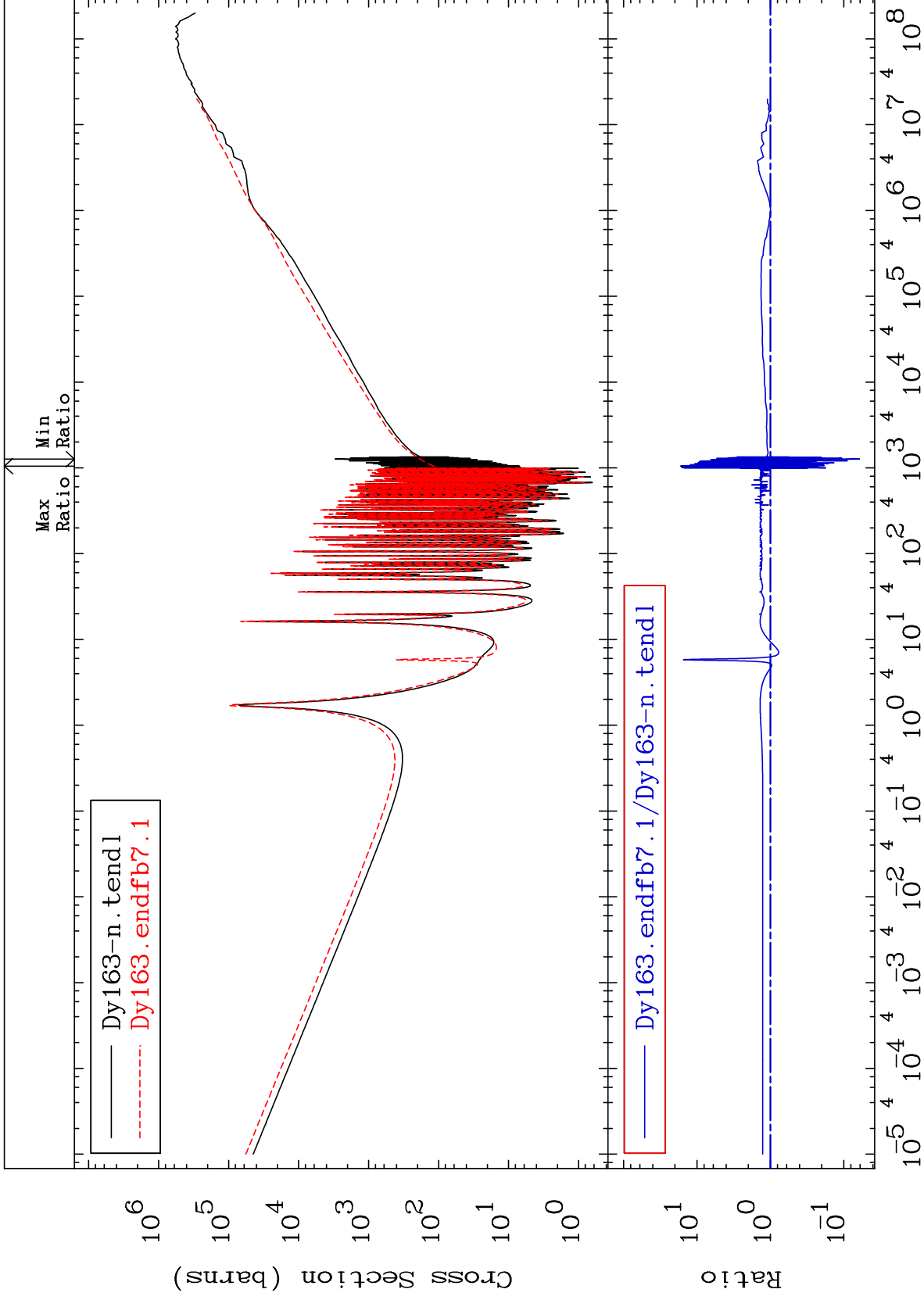
Total photon (eV-barns)  
Cross Section

66-Dy-163  
-89.09 To 9187. %





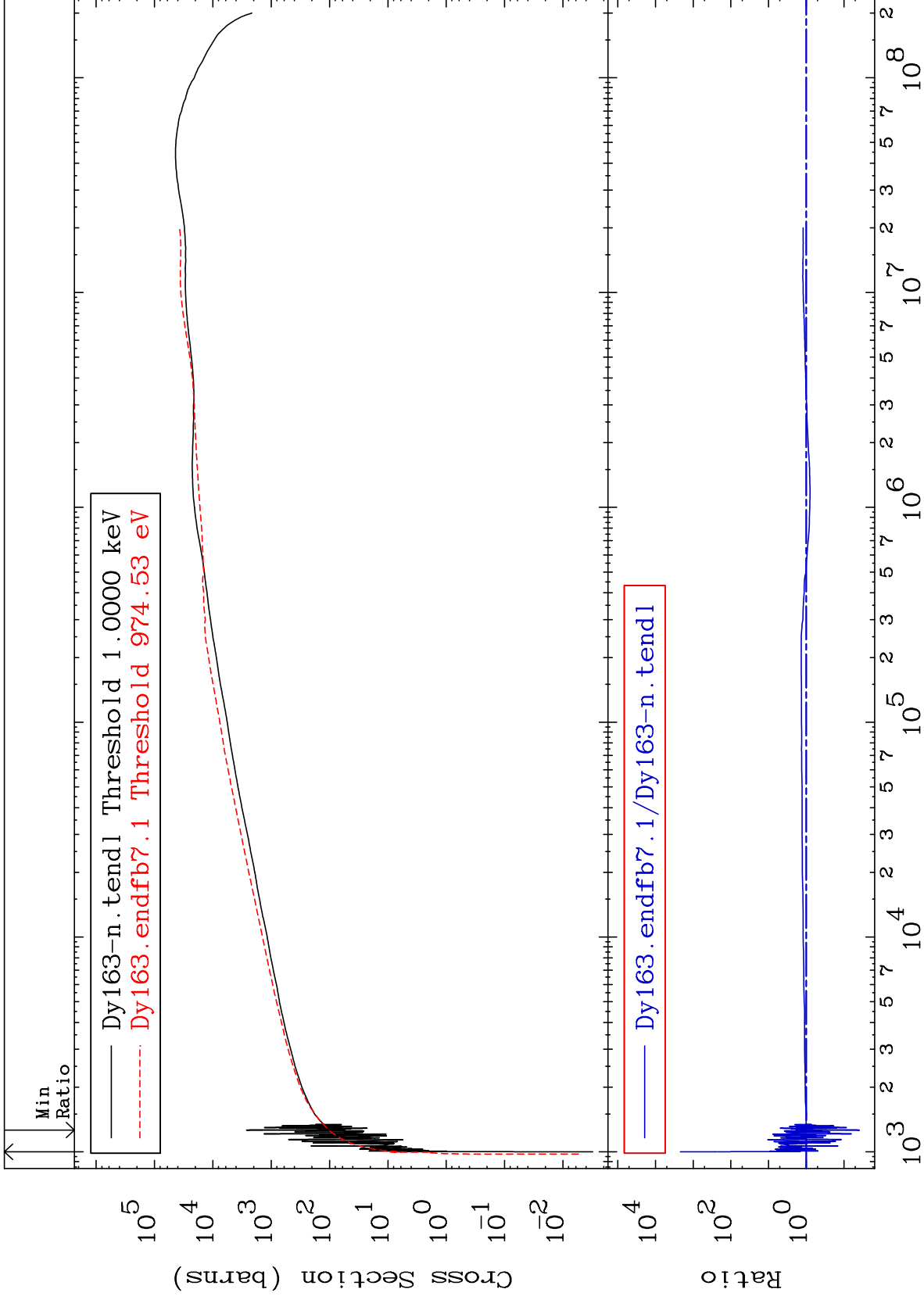




MAT 6646

Dpa elastic (mt2)  
Cross Section

66-Dy-163  
-96.12 To 9999. %



51

Incident Energy (eV)

66-Dy-163

MAT 6646

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-163  
0.976 To 9999. %

