

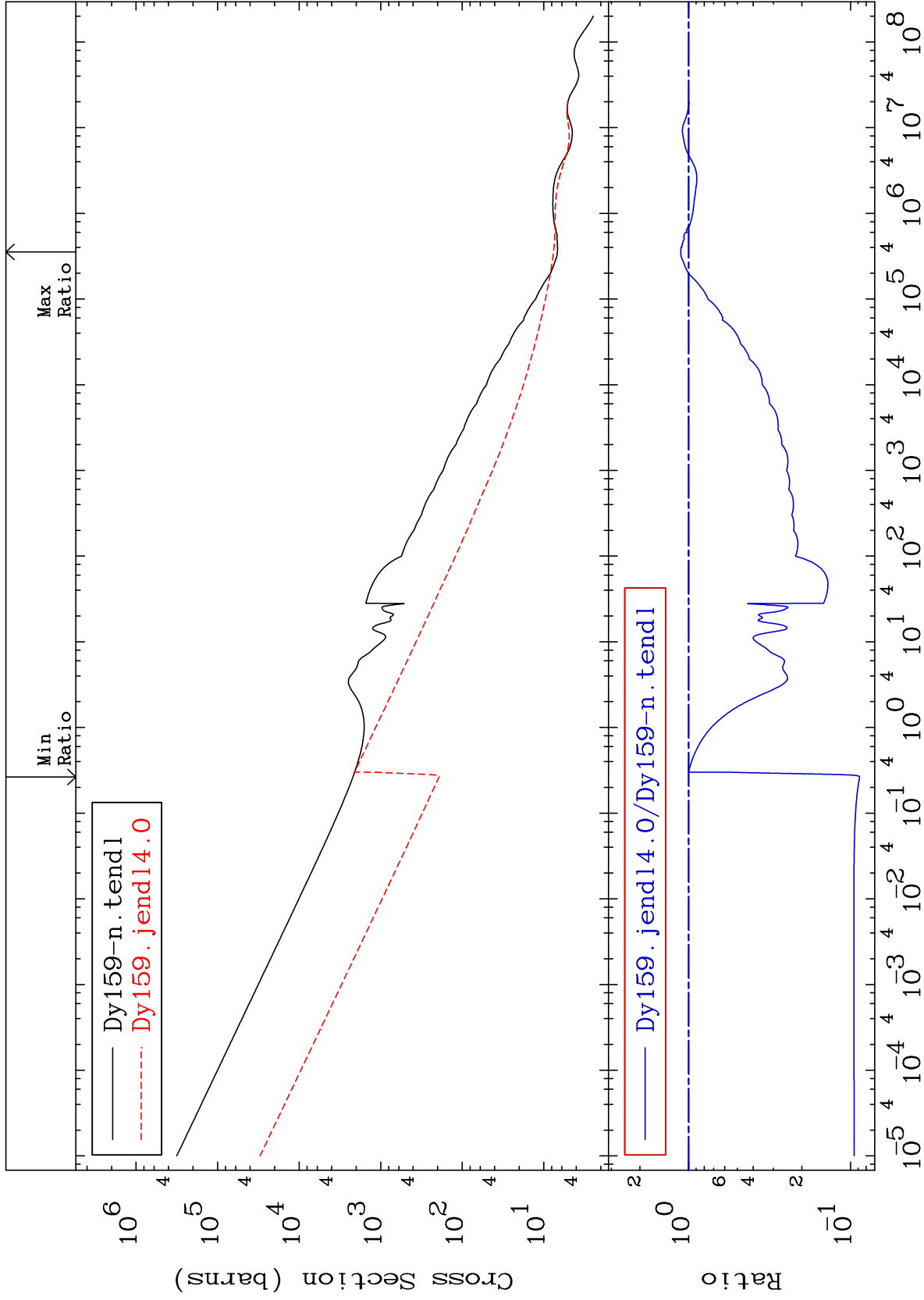
MAT 6634

Total

66-Dy-159

Cross Section

-91.20 To 11.82 %



Incident Energy (eV)

66-Dy-159

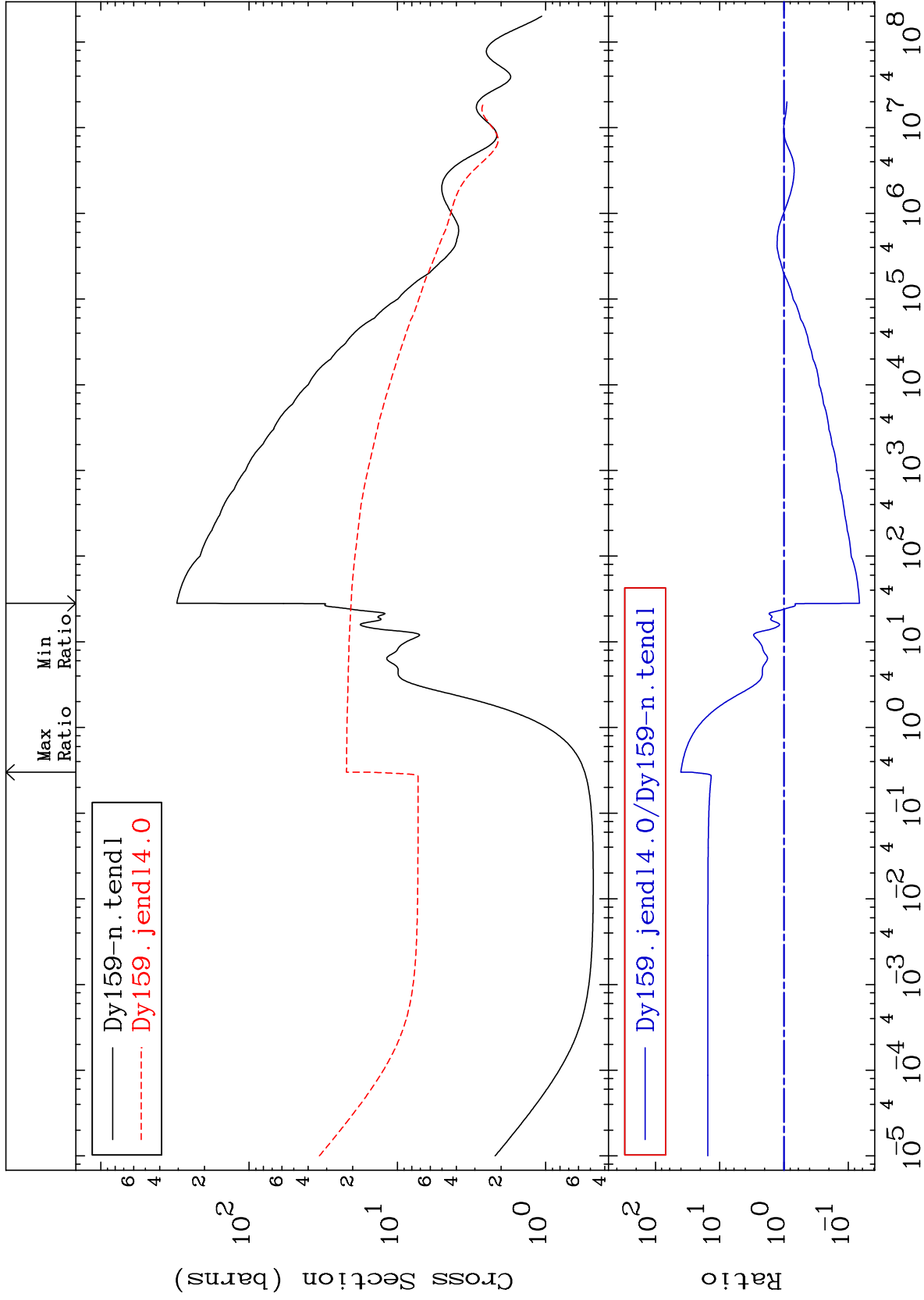
MAT 6634

Elastic

66-Dy-159

Cross Section

-93.32 To 3936. %



Incident Energy (eV)

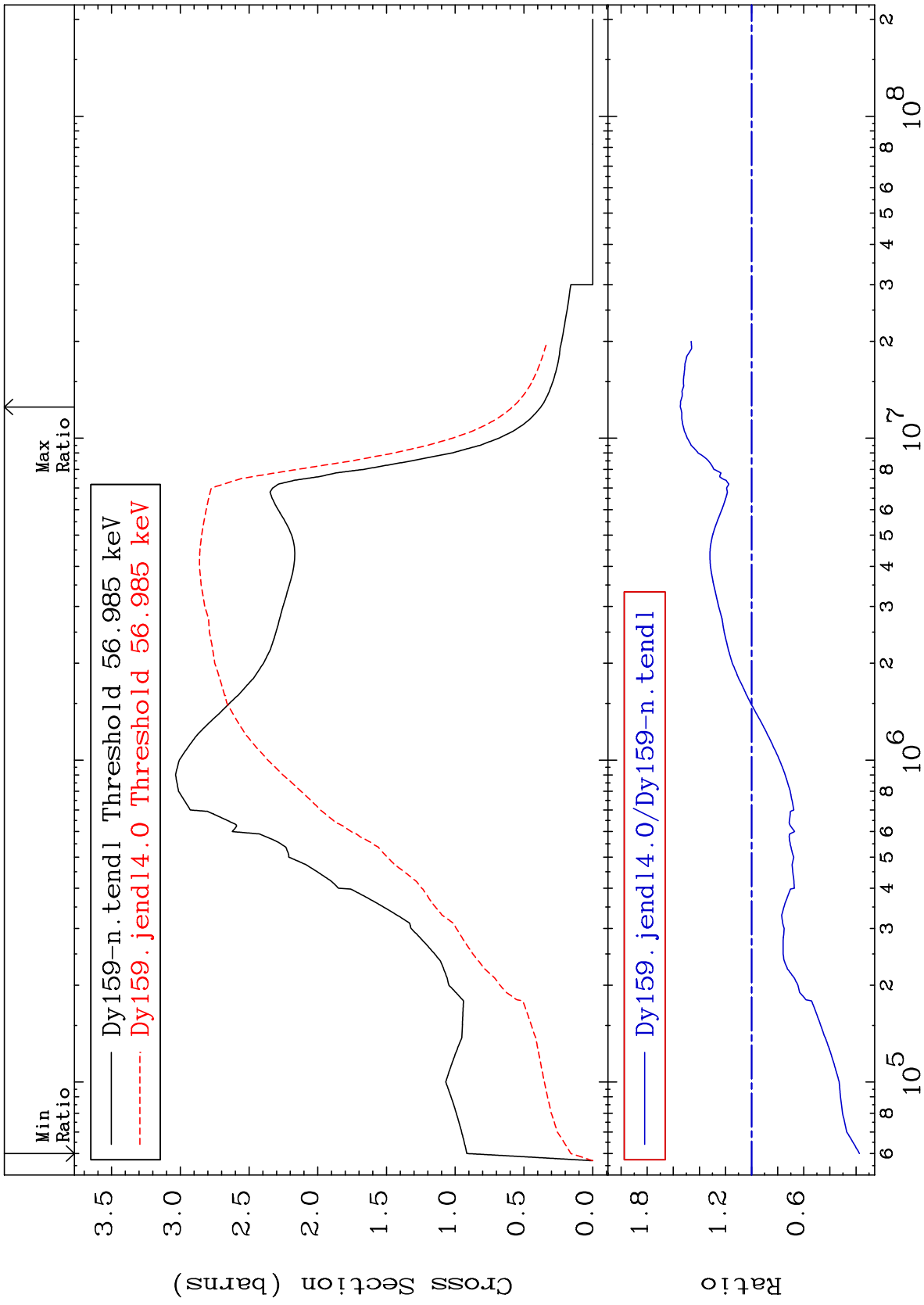
66-Dy-159

2

MAT 6634

Inelastic  
Cross Section

66-Dy-159  
-82.64 To 54.60 %



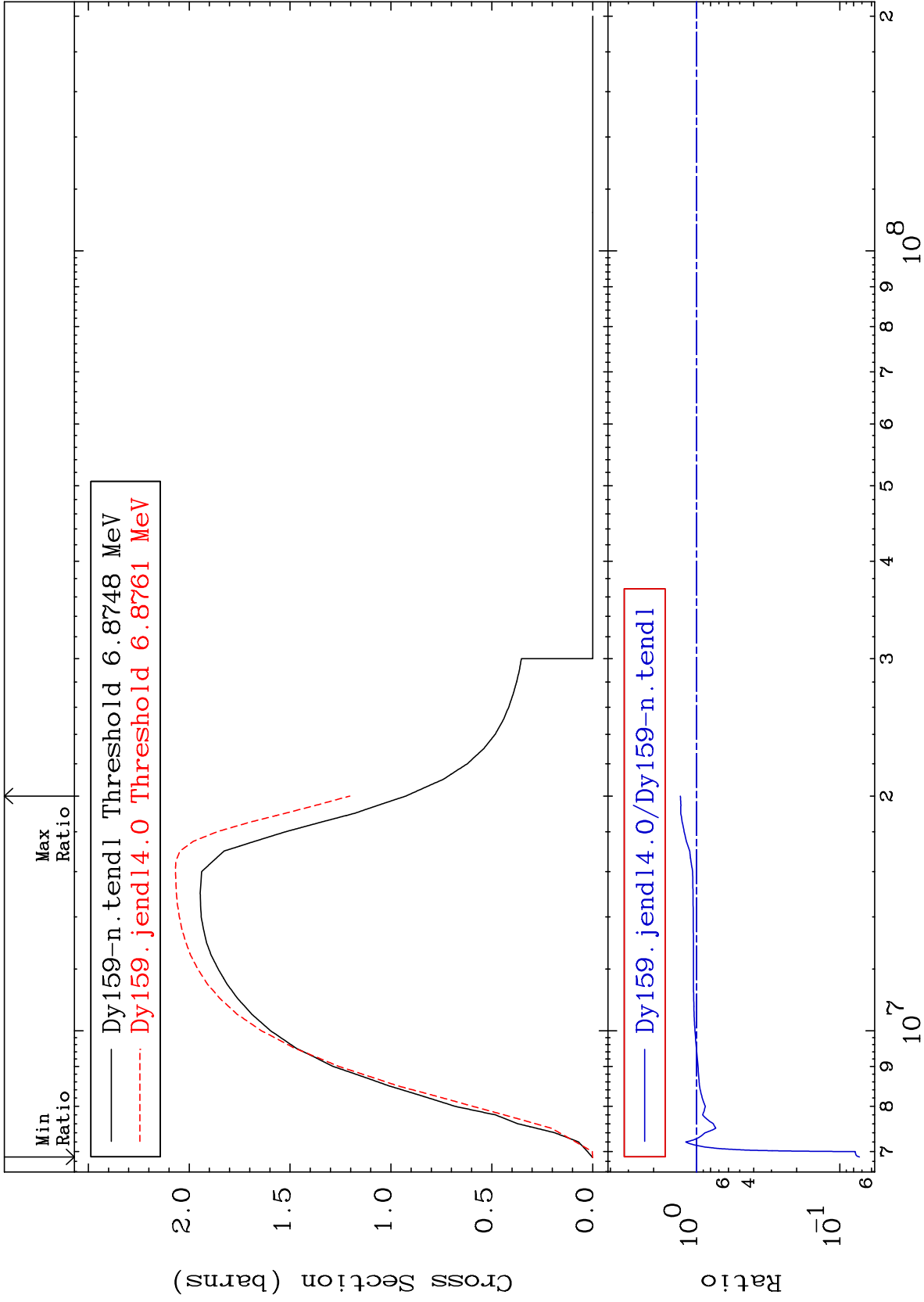
MAT 6634

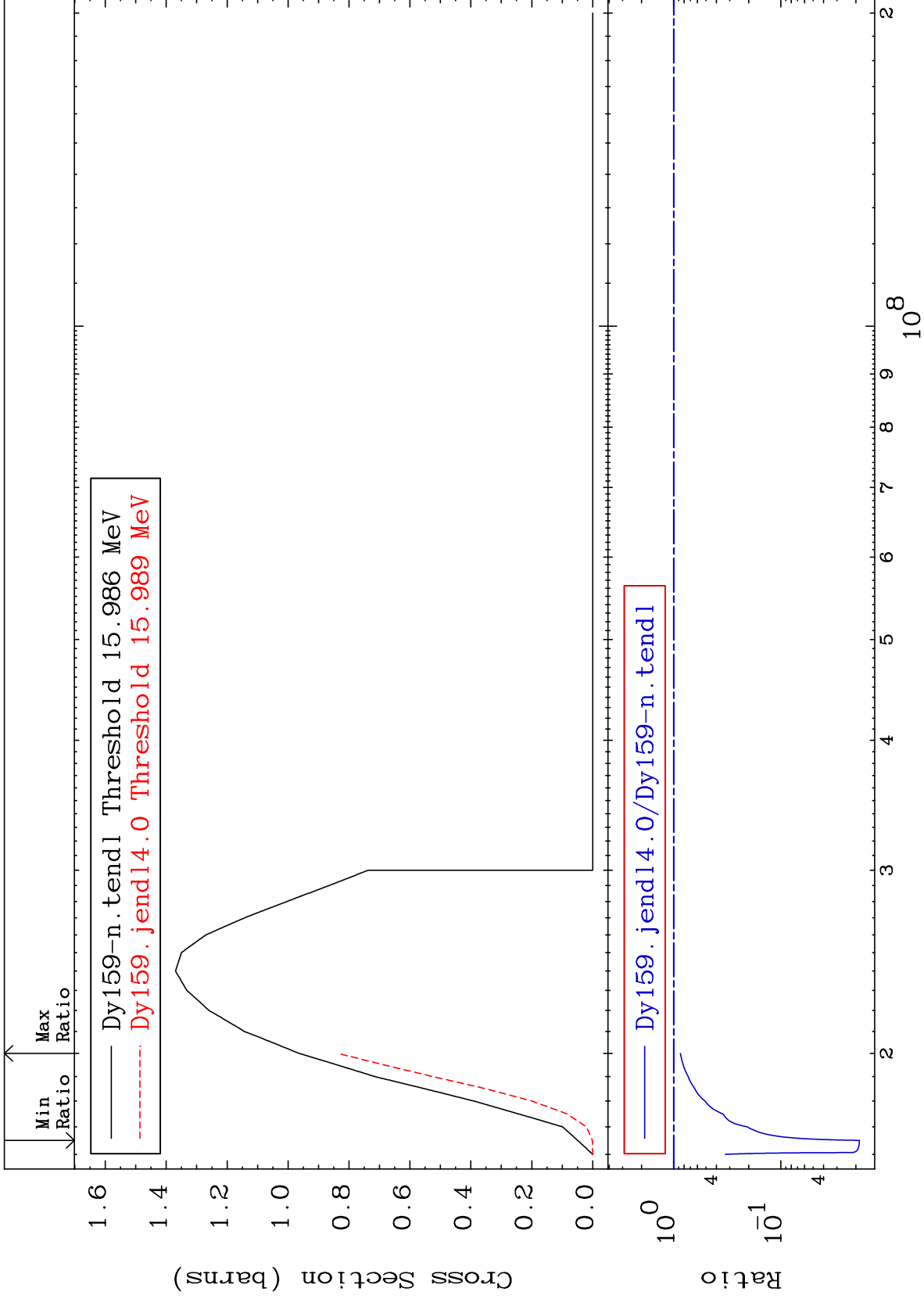
(n,2n)

66-Dy-159

Cross Section

-92.71 To 30.01 %

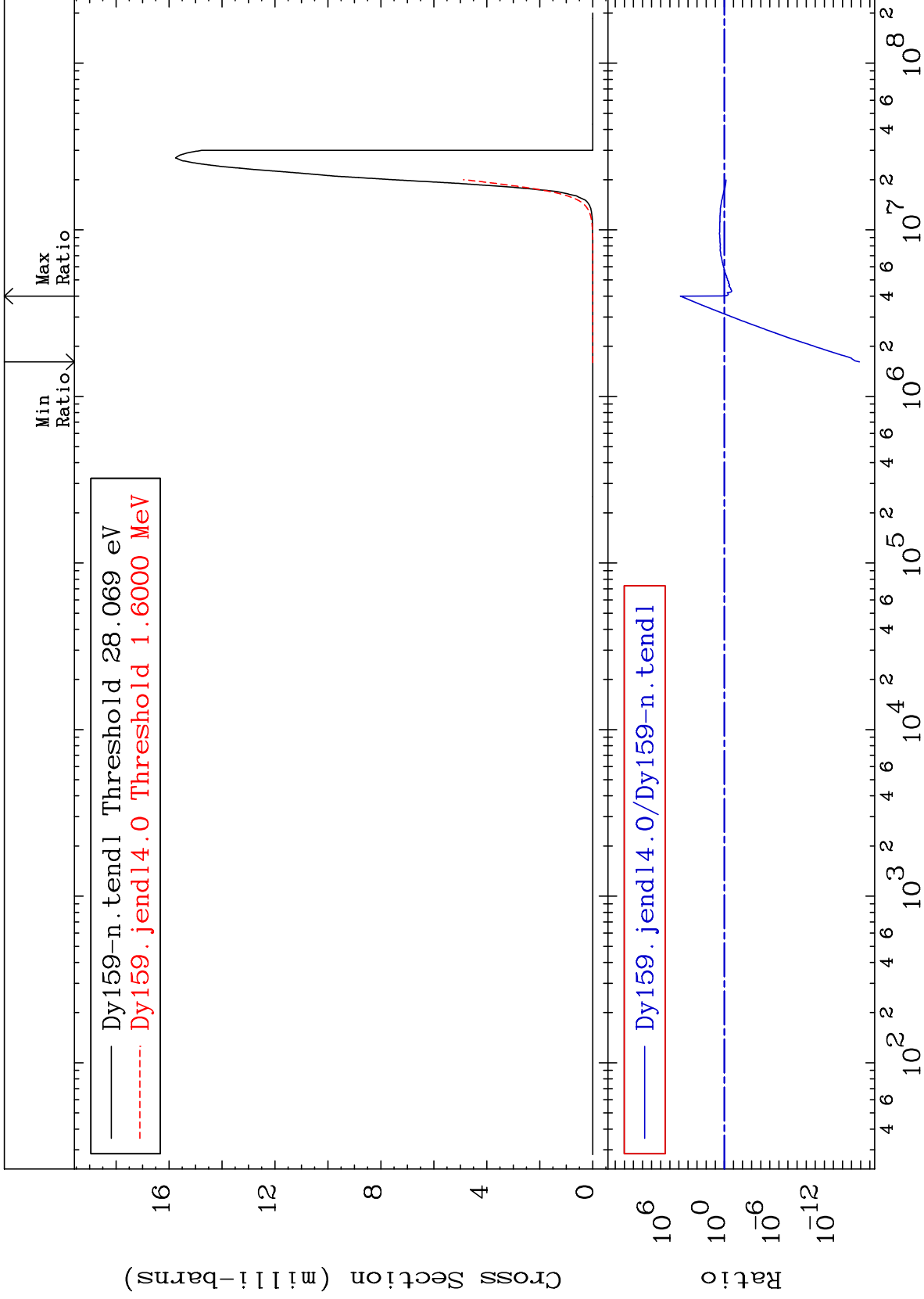




MAT 6634

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

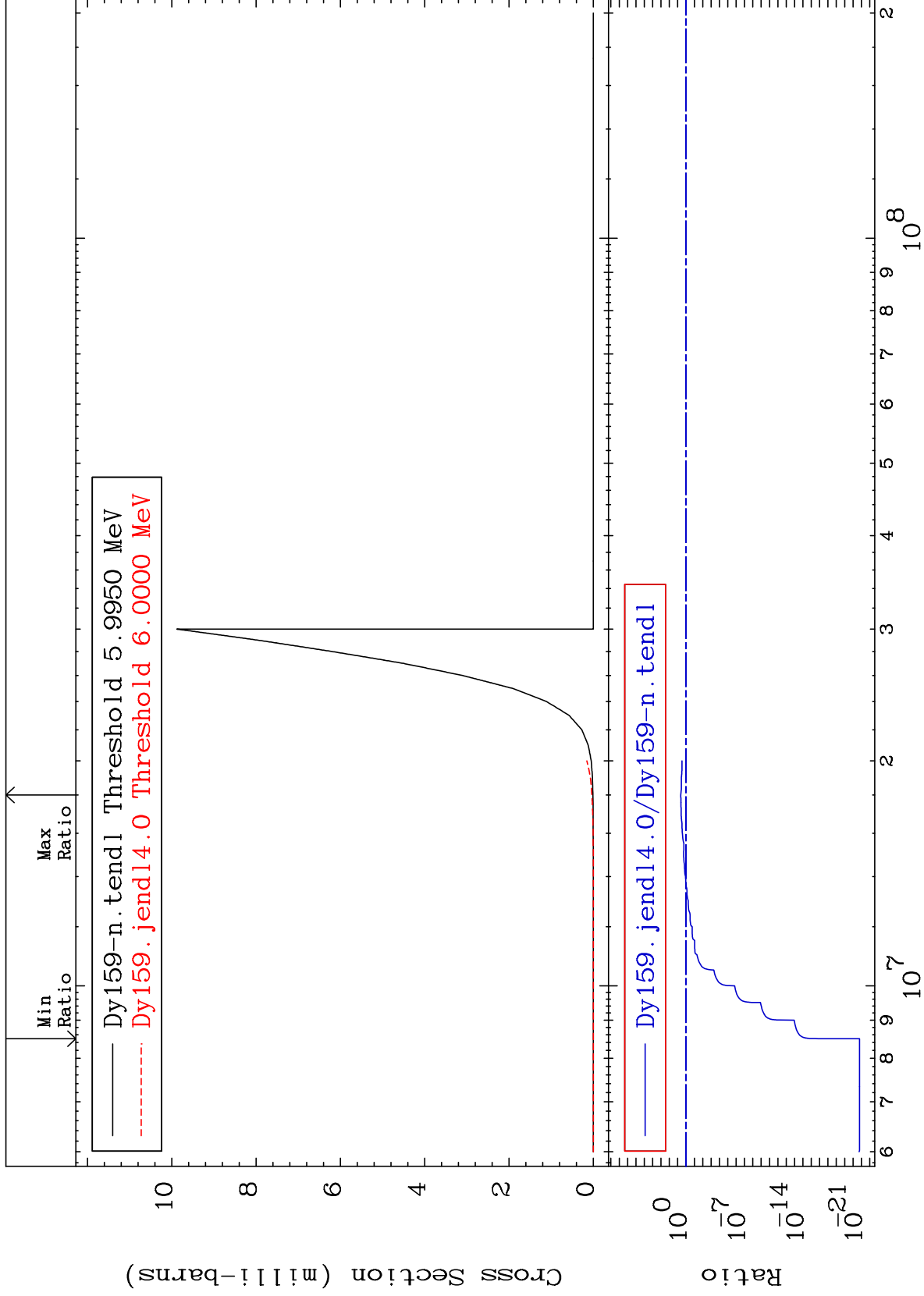
66-Dy-159  
-100.0 To 9999. %



MAT 6634

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

66-Dy-159  
-100.0 To 324.7 %



7

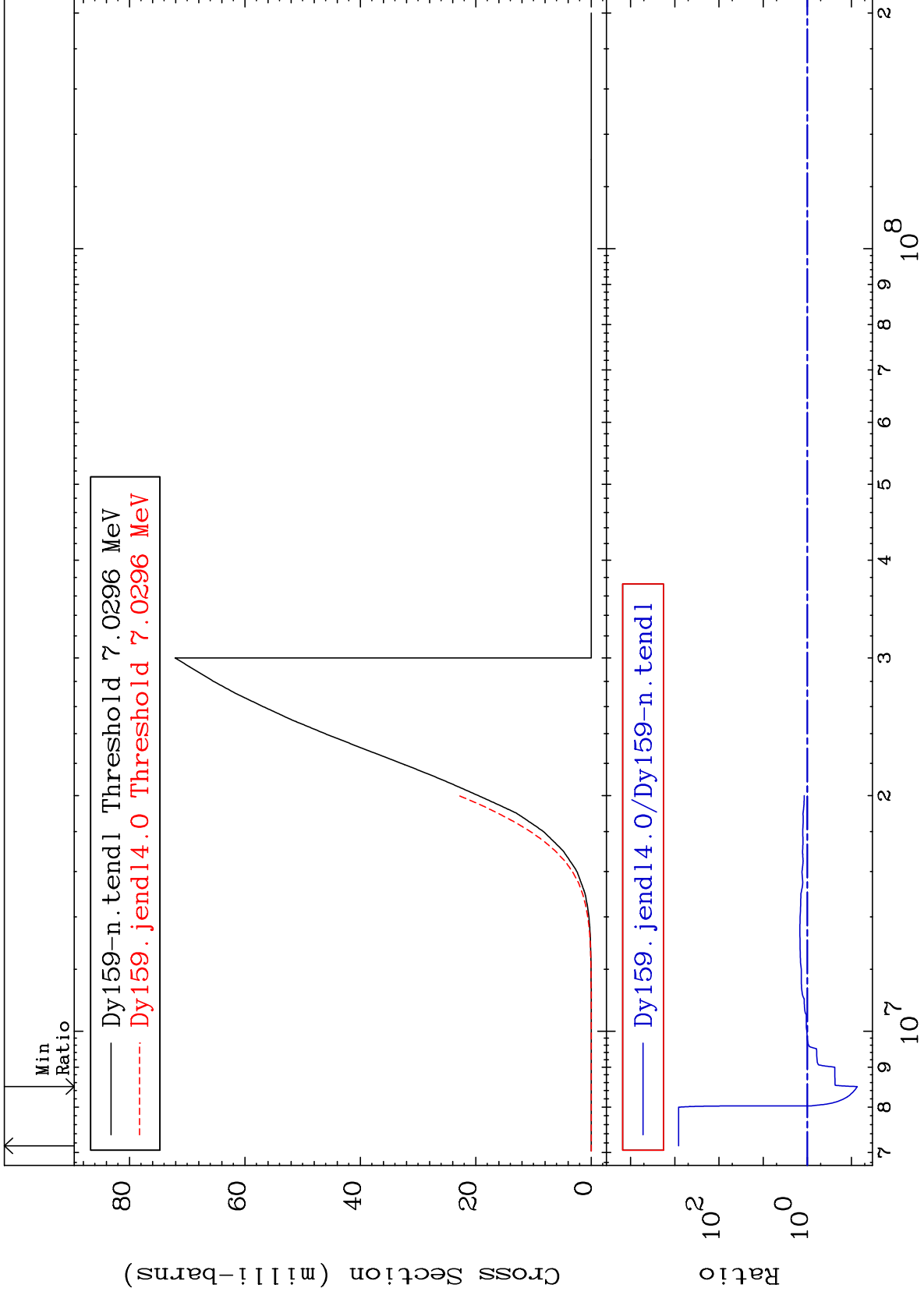
Incident Energy (eV)

66-Dy-159

MAT 6634

(n,n') p  
Cross Section

66-Dy-159  
-92.58 To 9999. %

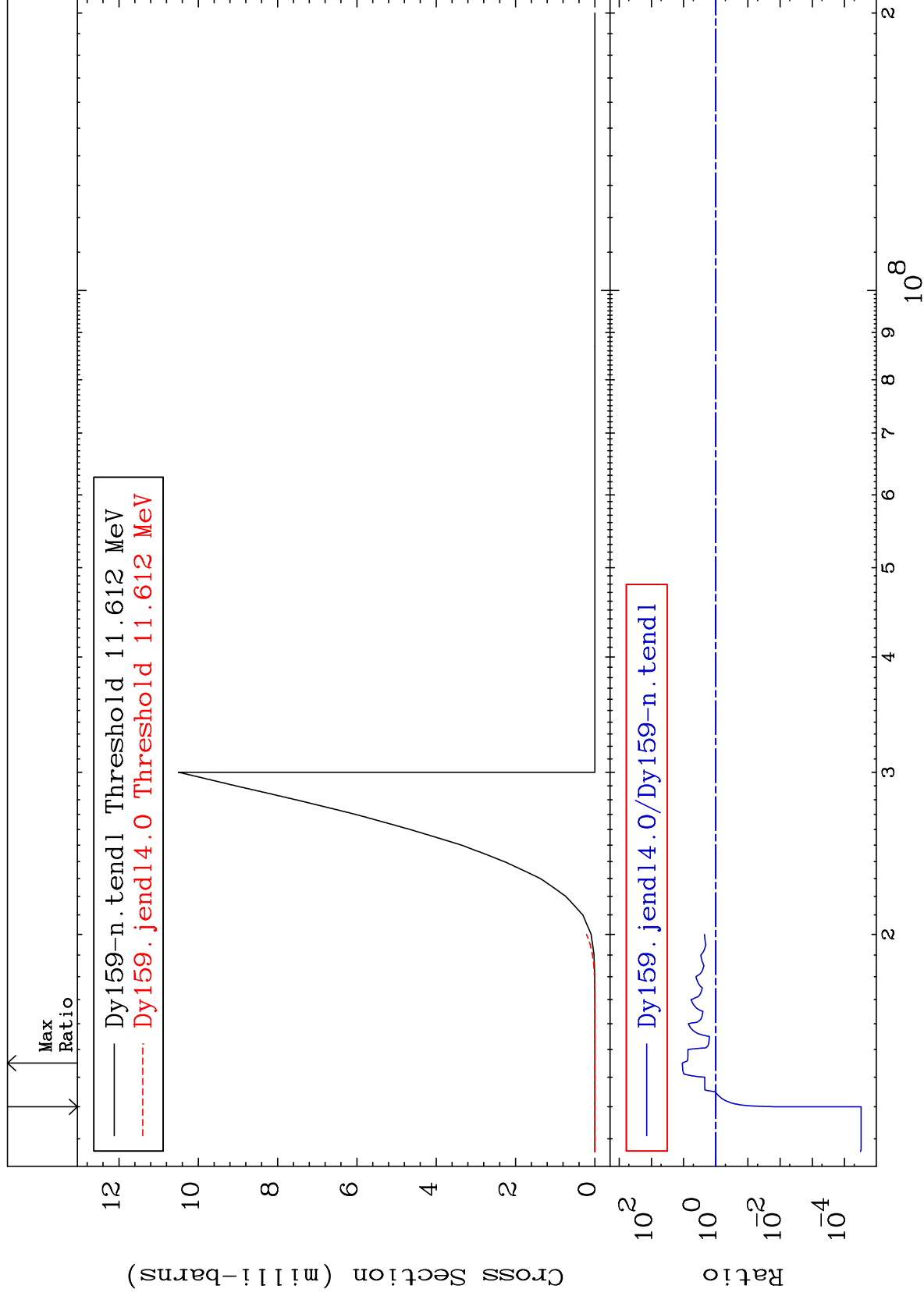




MAT 6634

(n,n') d  
Cross Section

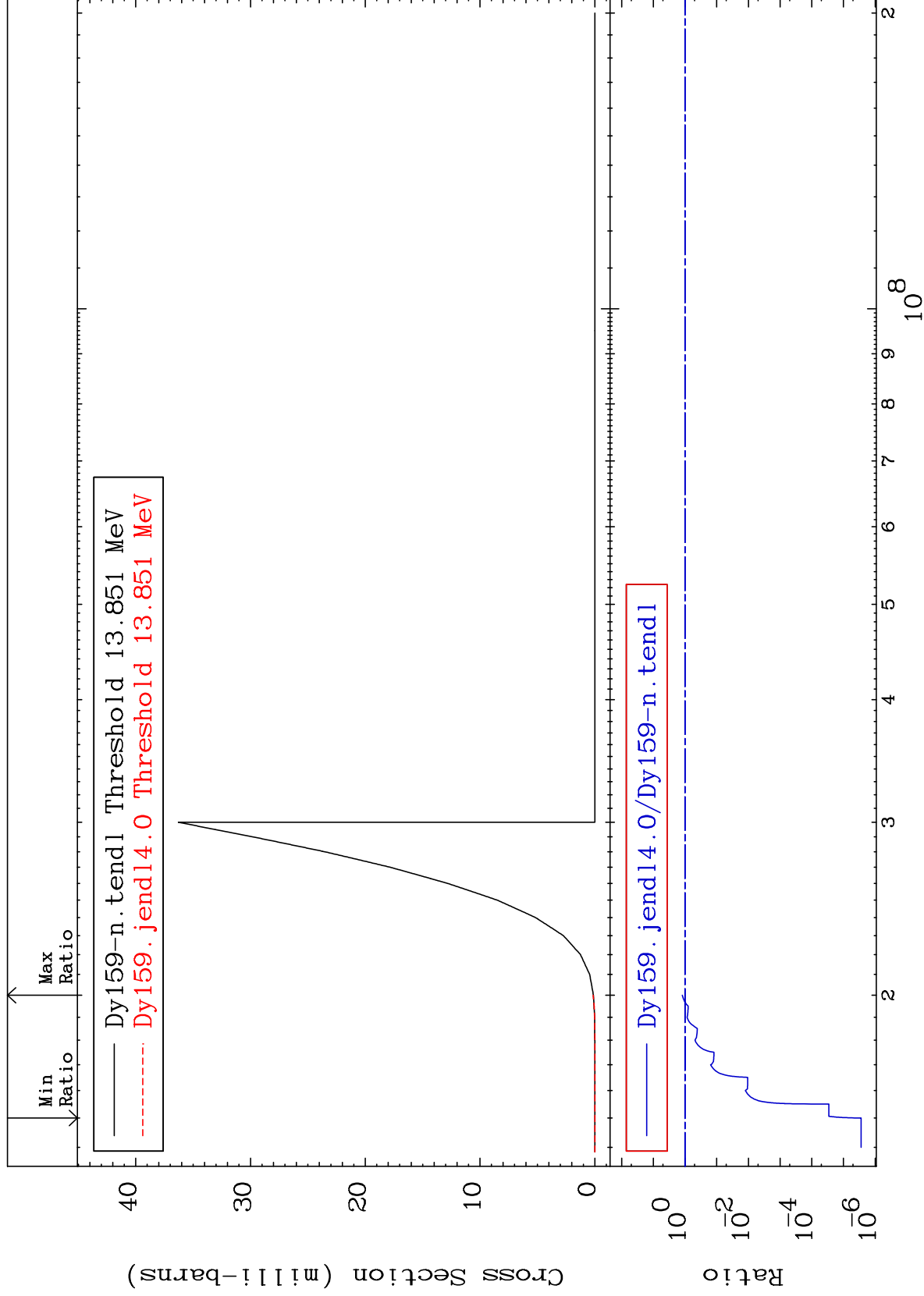
66-Dy-159  
-100.0 To 992.4 %



MAT 6634

(n,2n) p  
Cross Section

66-Dy-159  
-100.0 To 21.73 %



10

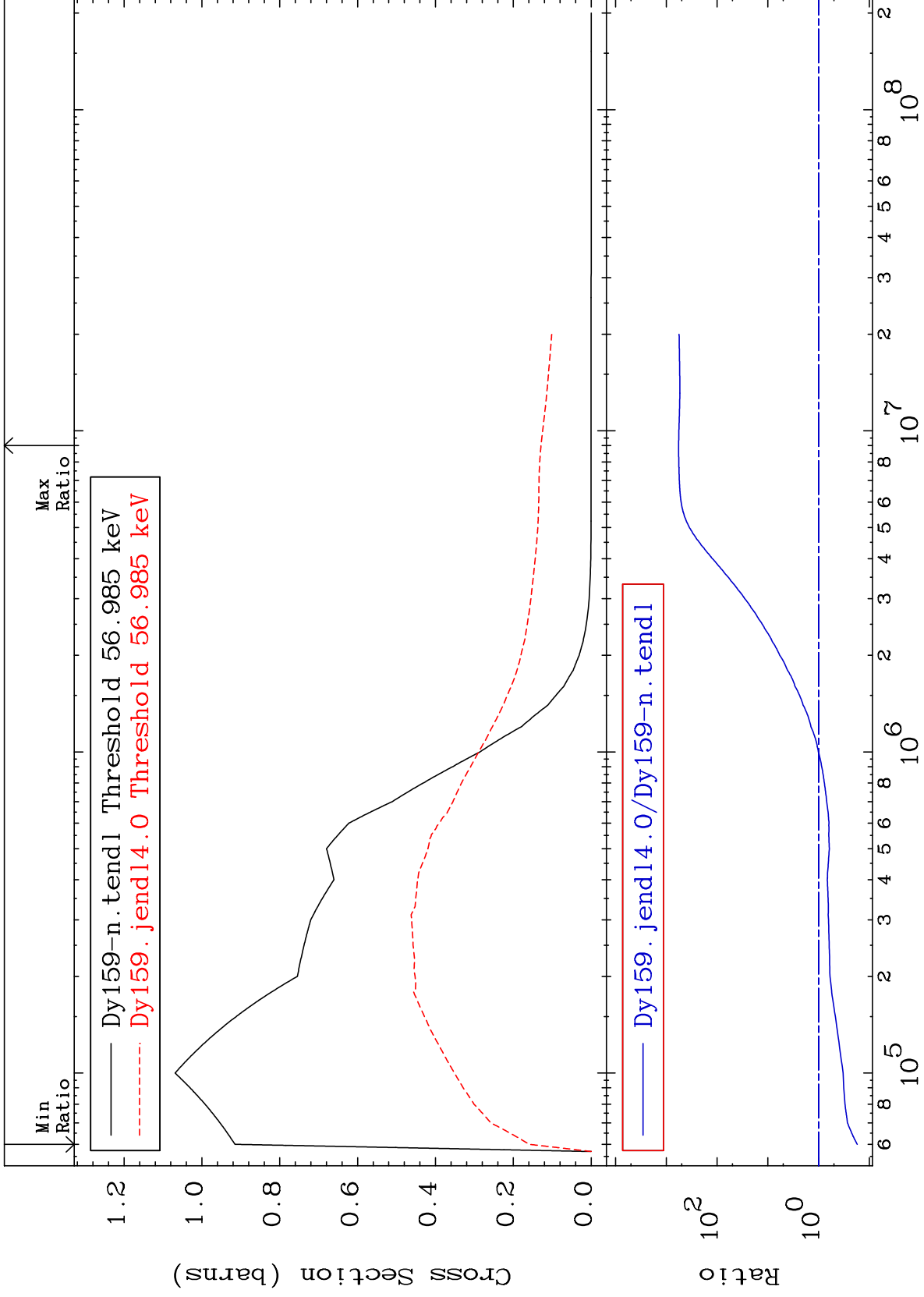
Incident Energy (eV)

66-Dy-159

MAT 6634

56.63 keV (n,n') Level  
Cross Section

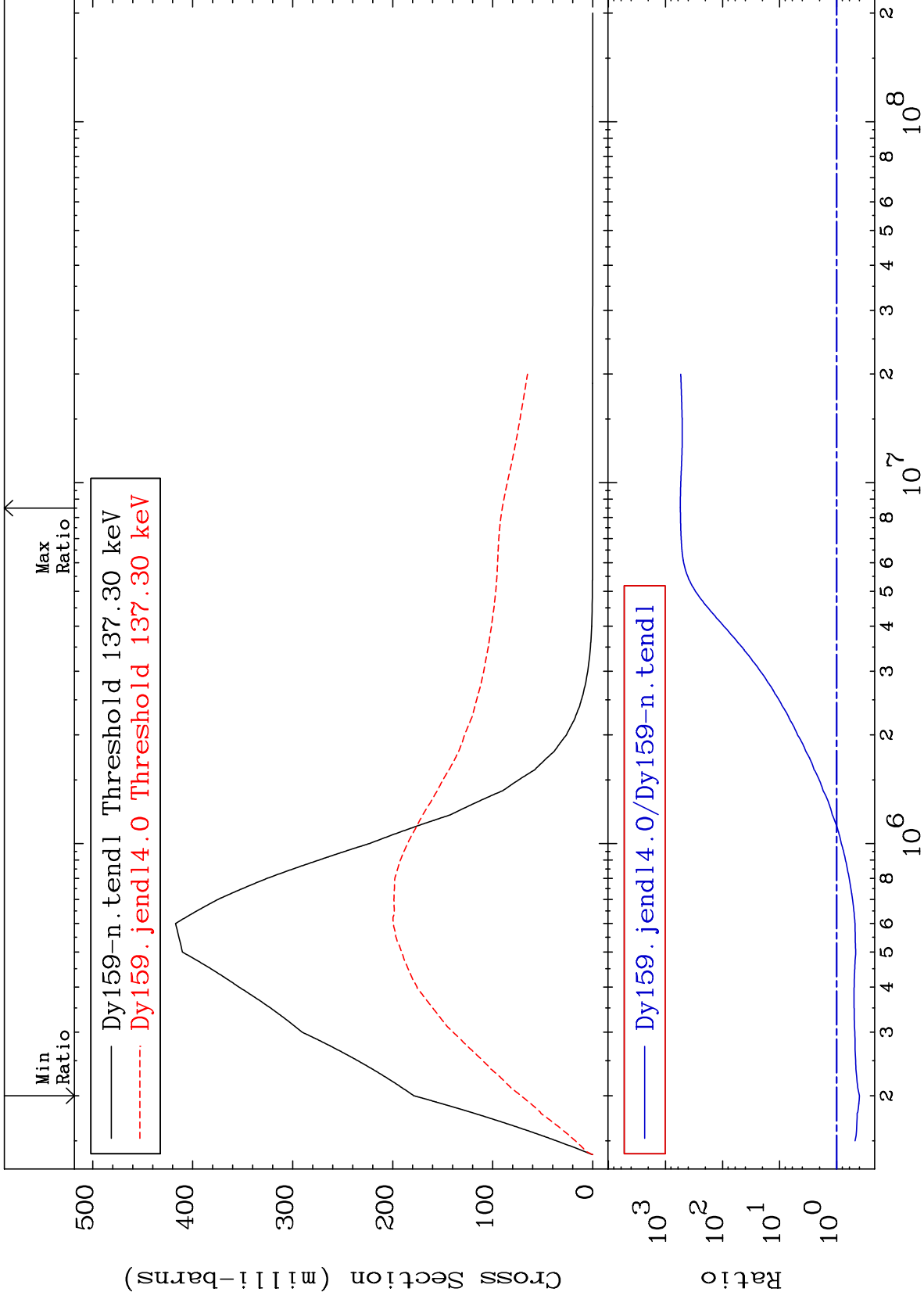
66-Dy-159  
-82.64 To 9999. %



MAT 6634

136.4 keV (n,n') Level  
Cross Section

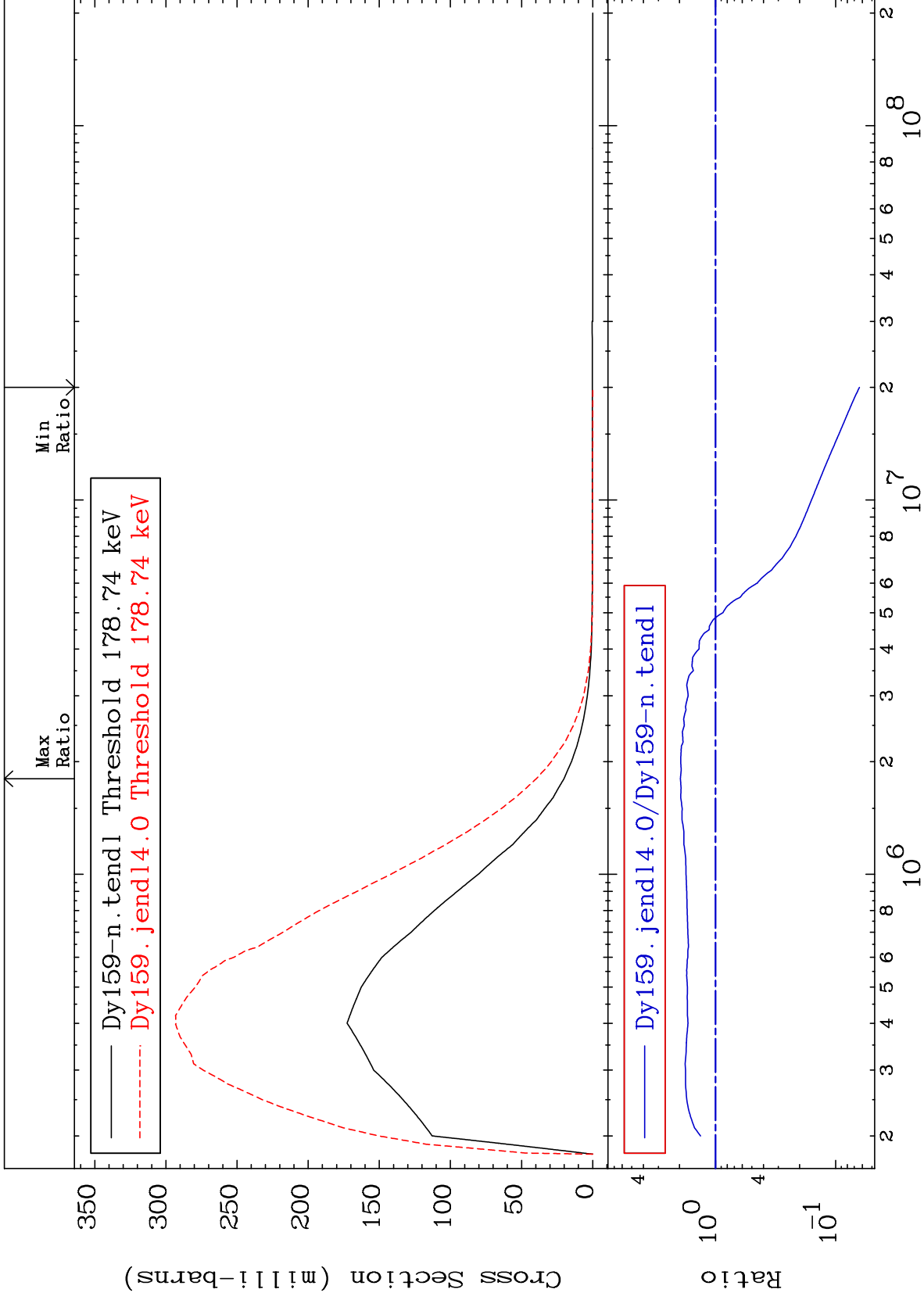
66-Dy-159  
-59.94 To 9999. %



MAT 6634

177.6 keV (n,n') Level  
Cross Section

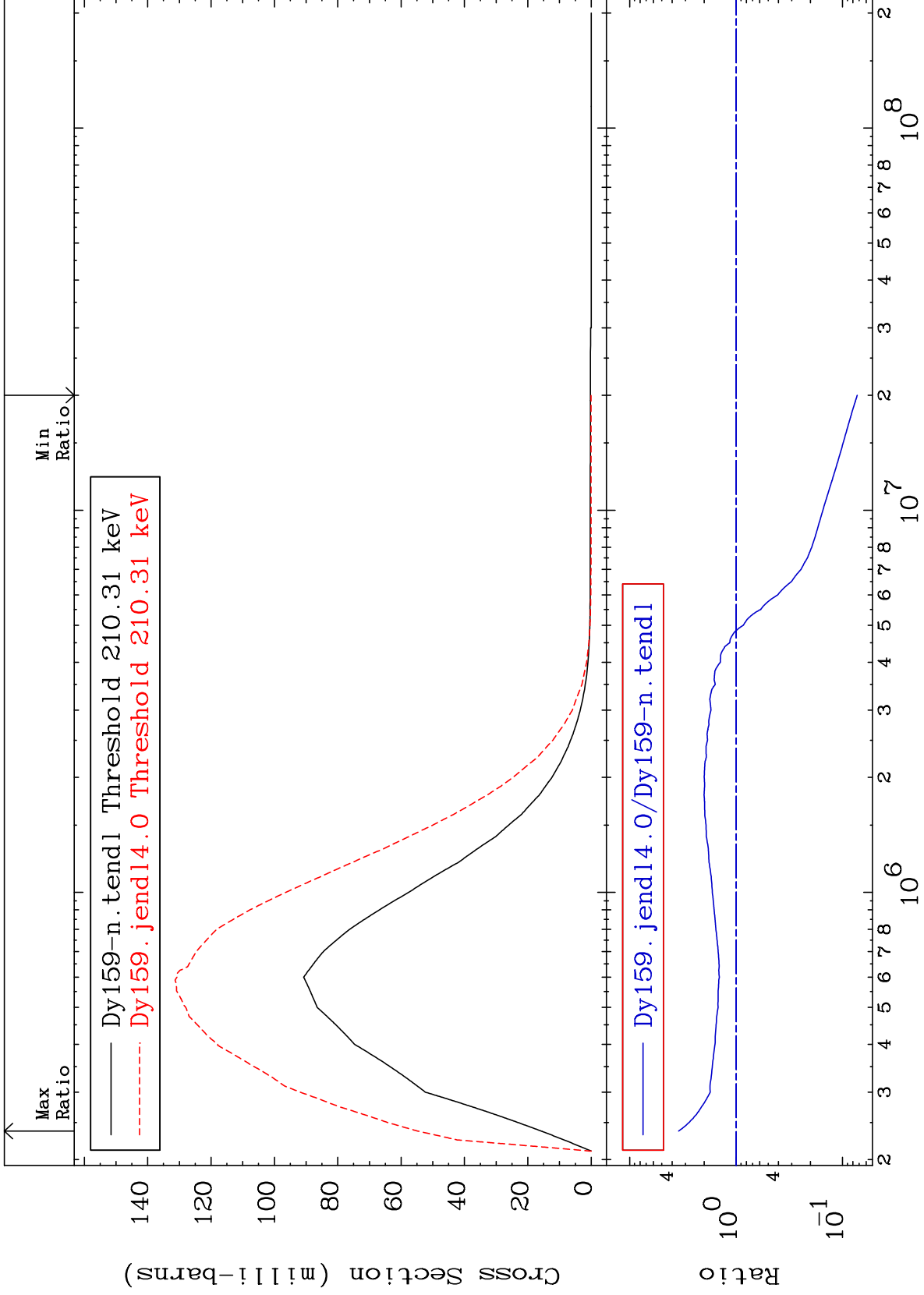
66-Dy-159  
-93.66 To 96.68 %



MAT 6634

209.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-92.72 To 247.0 %



14

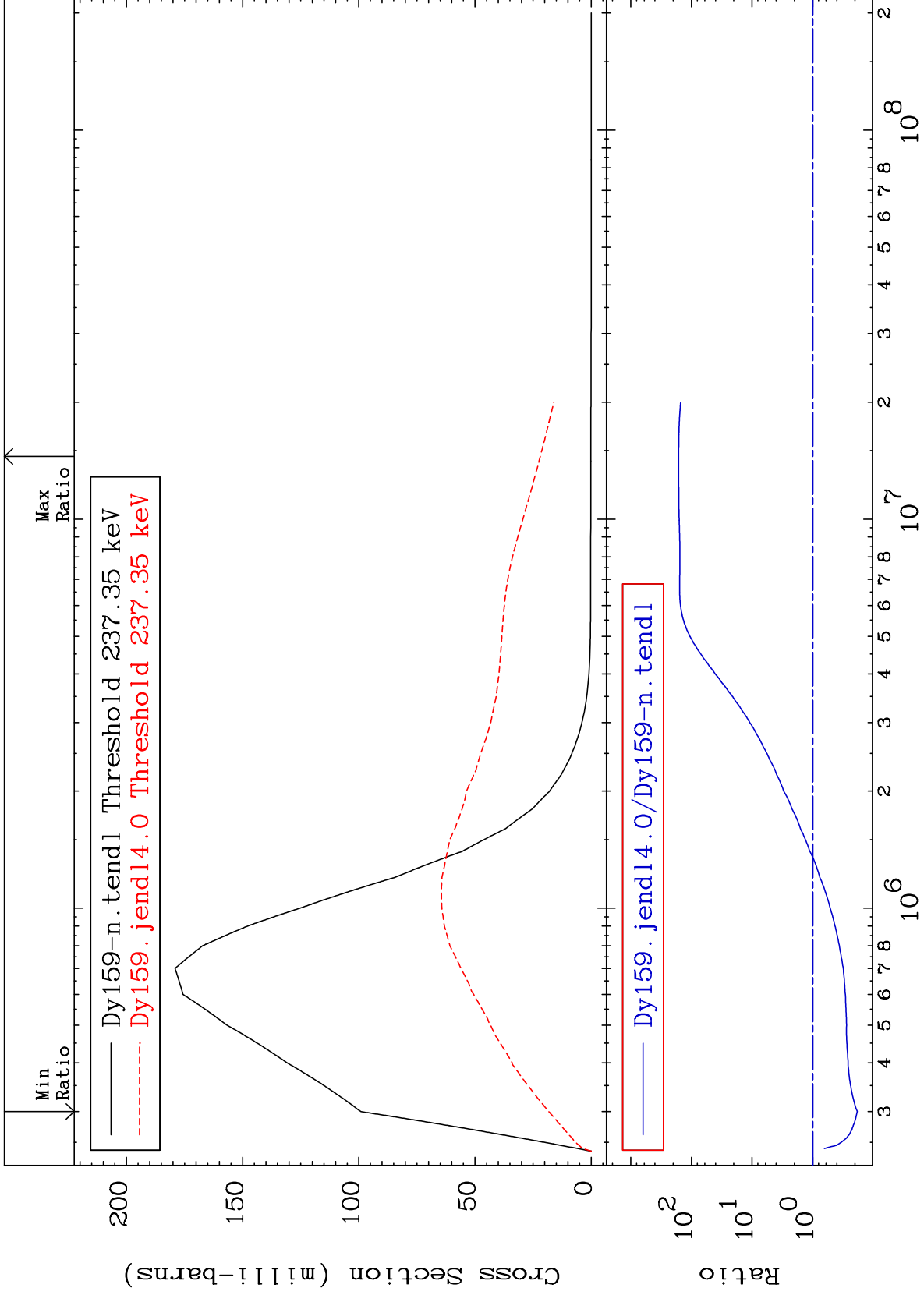
66-Dy-159

66-Dy-159

MAT 6634

235.9 keV (n,n') Level  
Cross Section

66-Dy-159  
-81.60 To 9999. %



15

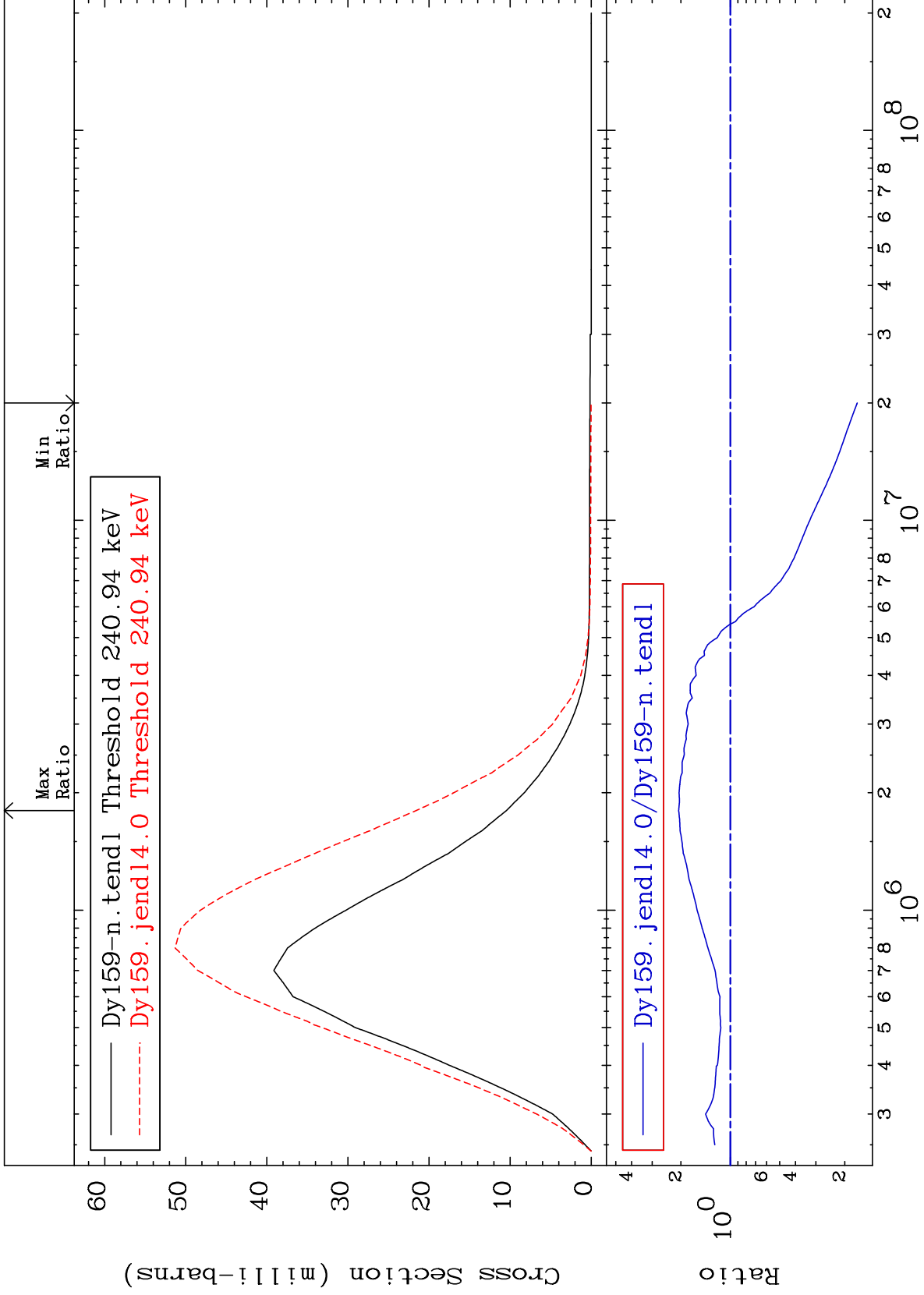
Incident Energy (eV)

66-Dy-159

MAT 6634

239.4 keV (n,n') Level  
Cross Section

66-Dy-159  
-83.22 To 106.7 %



16

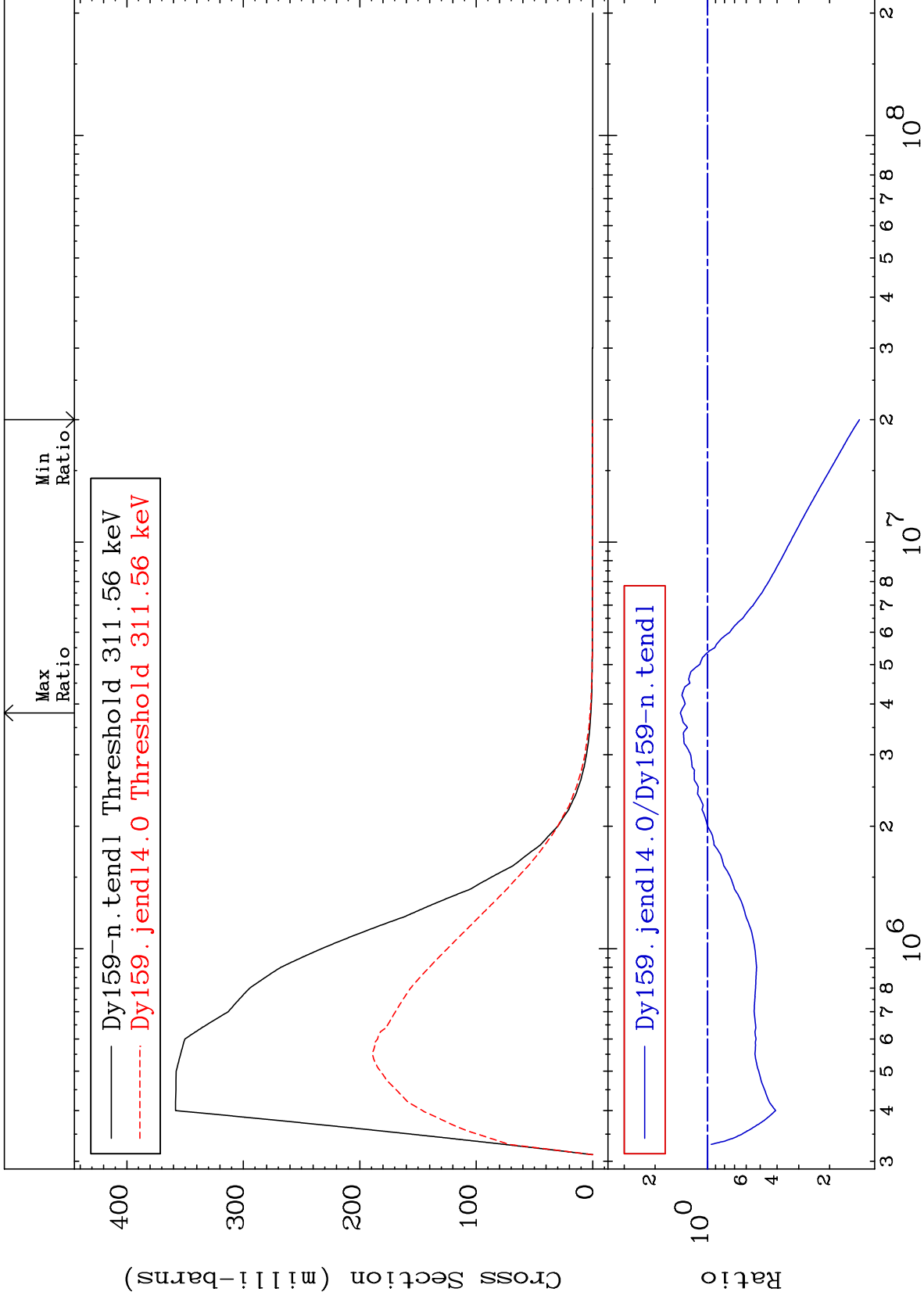
66-Dy-159



MAT 6634

309.6 keV (n,n') Level  
Cross Section

66-Dy-159  
-86.51 To 43.12 %



17

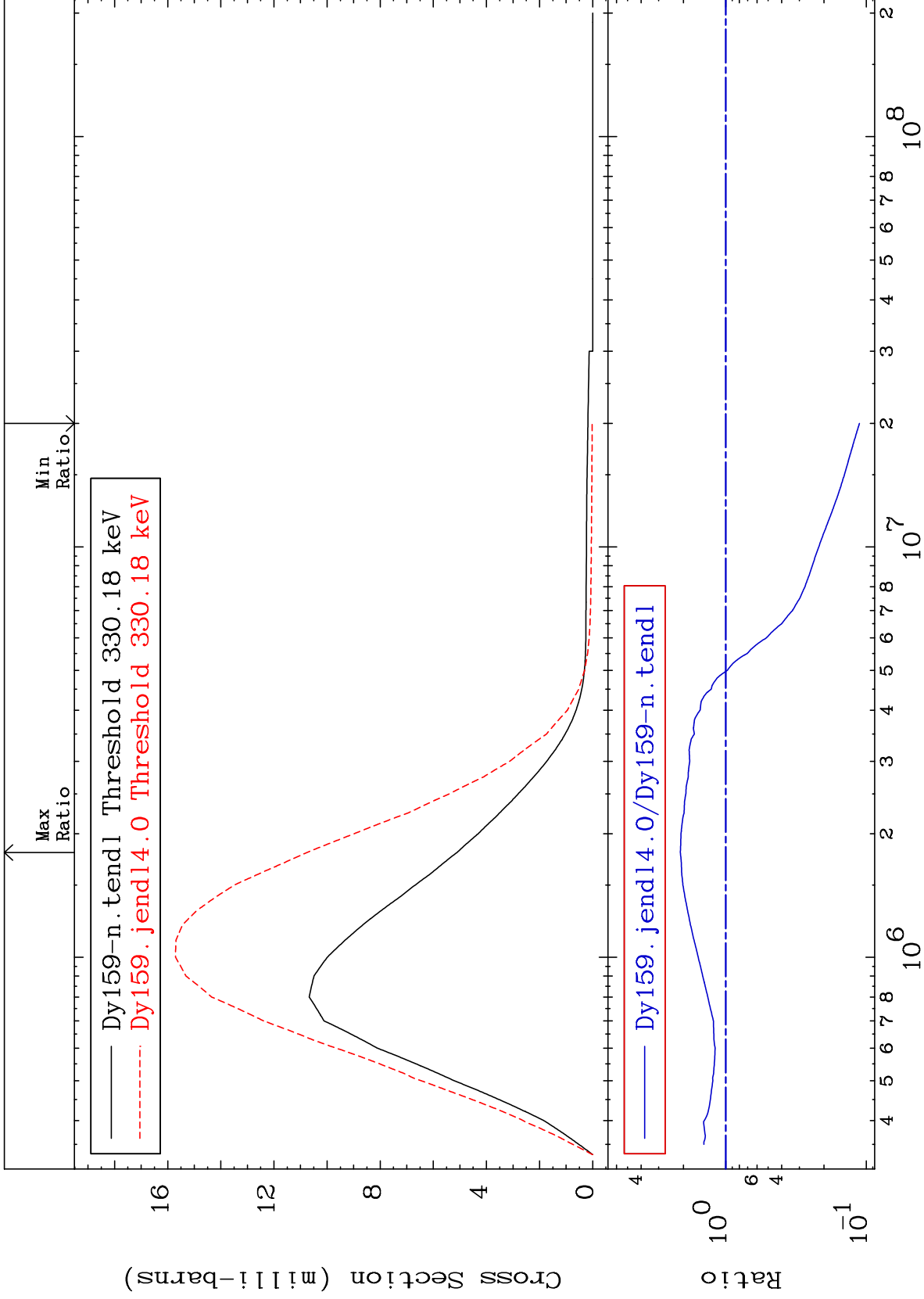
Incident Energy (eV)

66-Dy-159

MAT 6634

328.1 keV (n,n') Level  
Cross Section

66-Dy-159  
-88.80 To 110.5 %



18

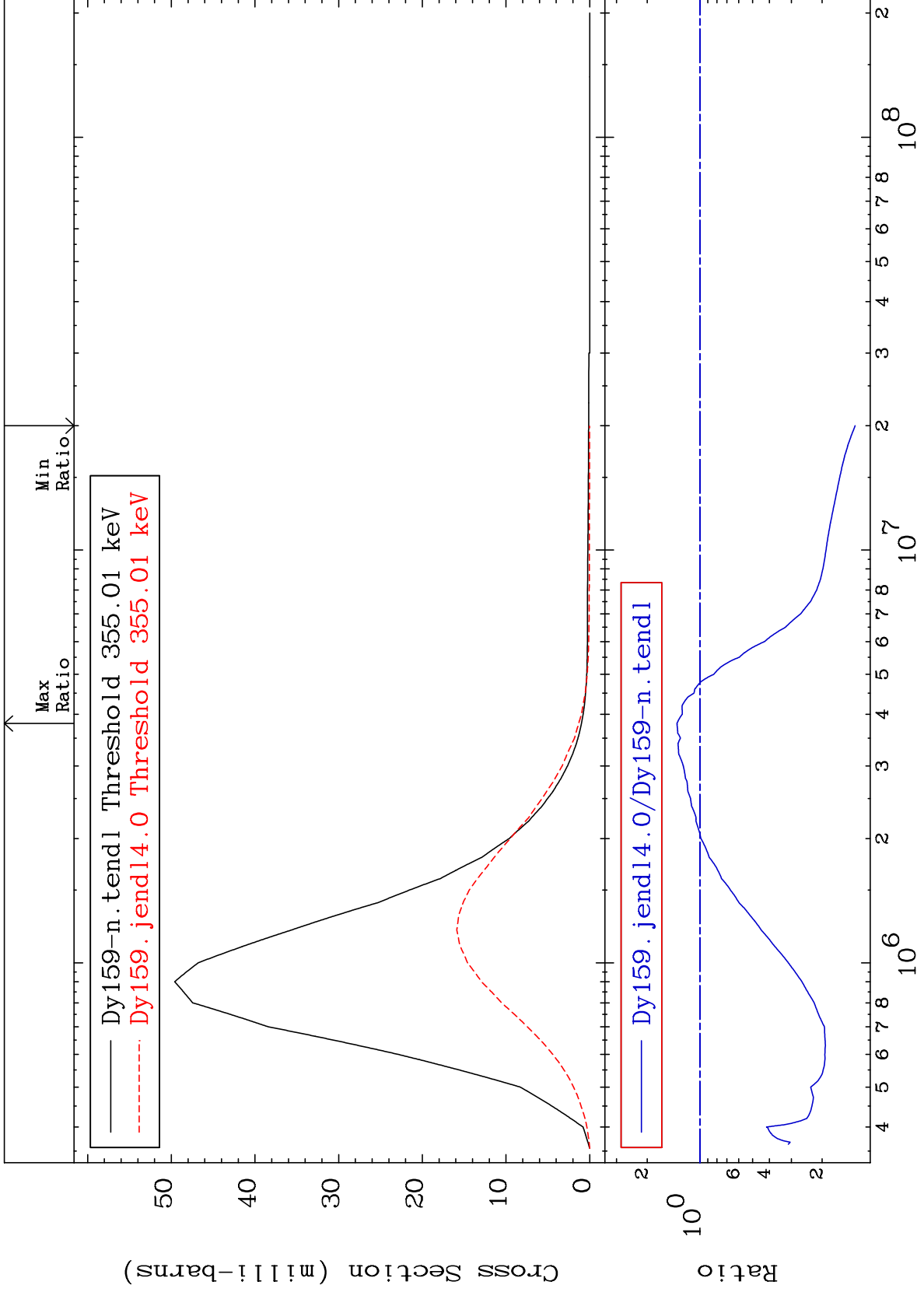
Incident Energy (eV)

66-Dy-159

MAT 6634

352.8 keV (n,n') Level  
Cross Section

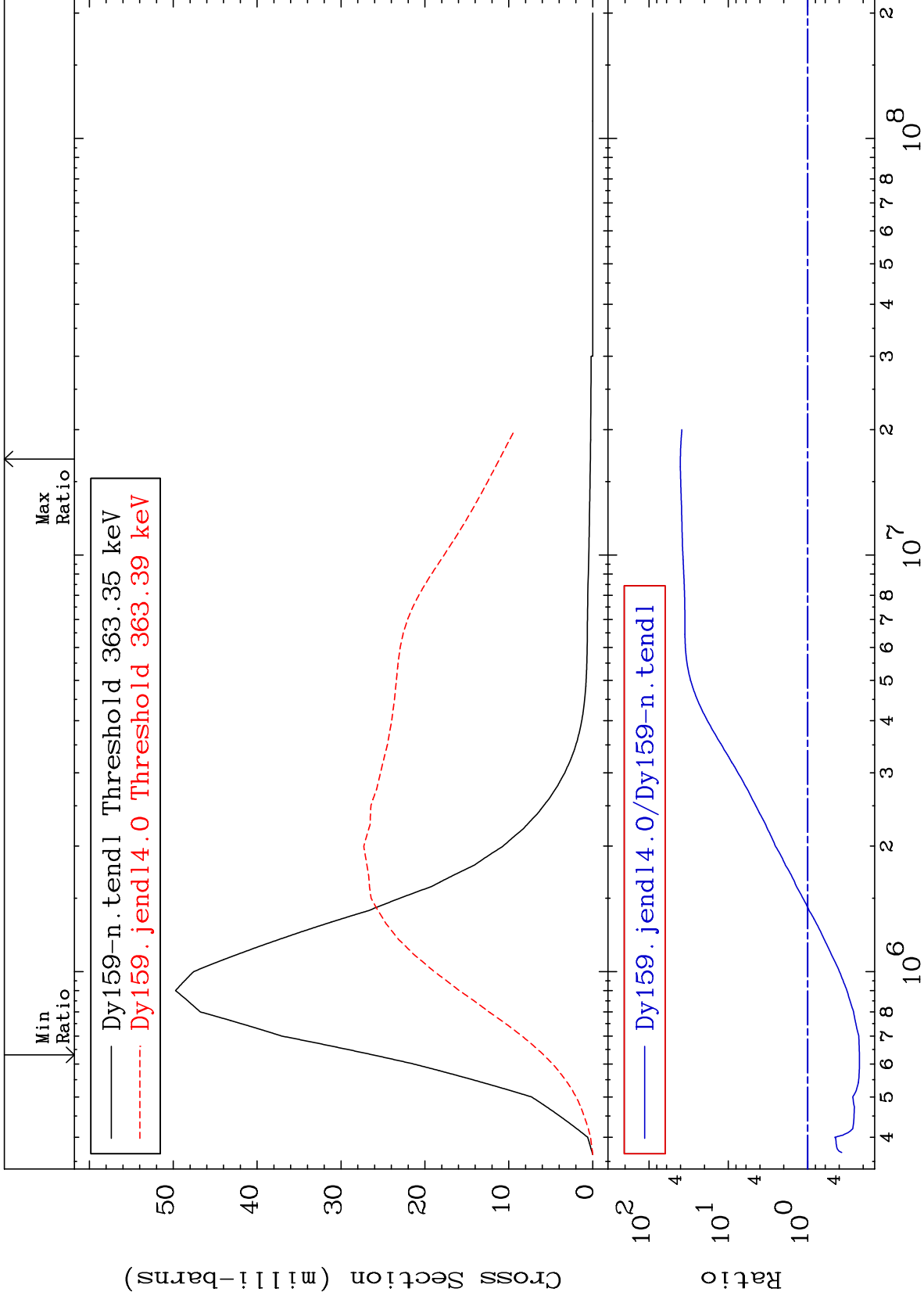
66-Dy-159  
-87.04 To 35.26 %



MAT 6634

361.1 keV (n,n') Level  
Cross Section

66-Dy-159  
-77.69 To 3925. %



20

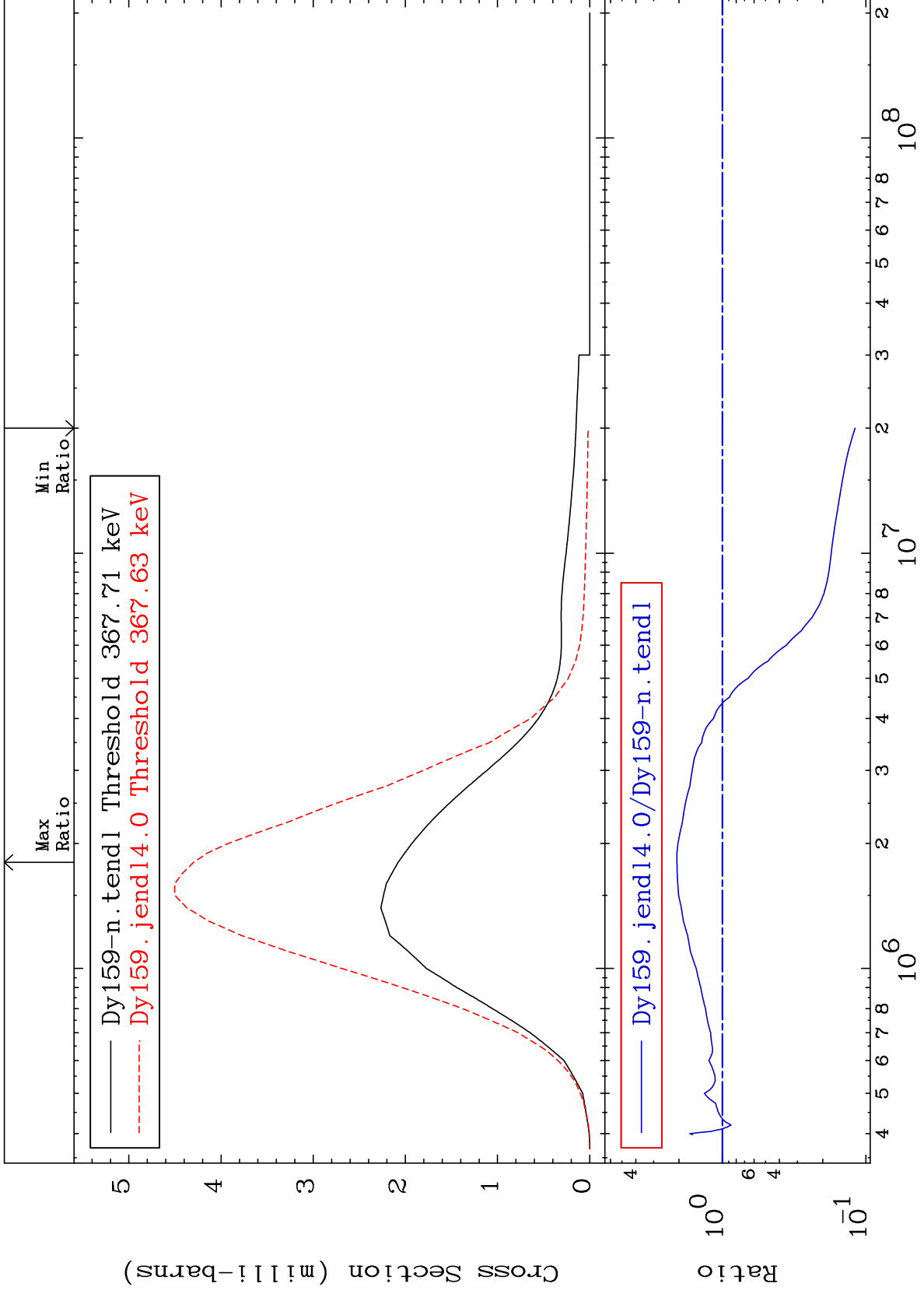
Incident Energy (eV)

66-Dy-159

MAT 6634

365.4 keV (n,n') Level  
Cross Section

66-Dy-159  
-88.09 To 106.8 %



21

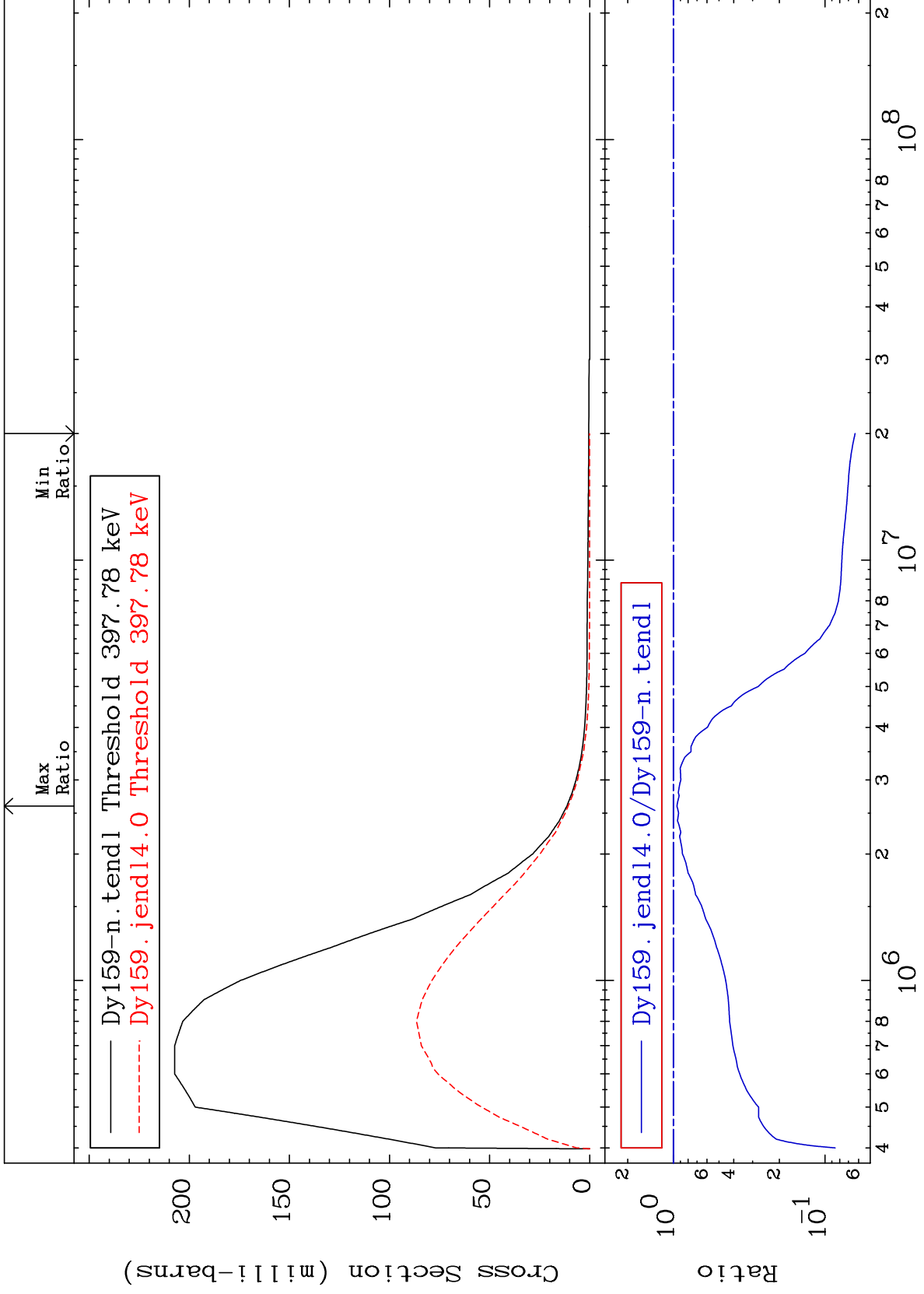
Incident Energy (eV)

66-Dy-159

MAT 6634

395.3 keV (n,n') Level  
Cross Section

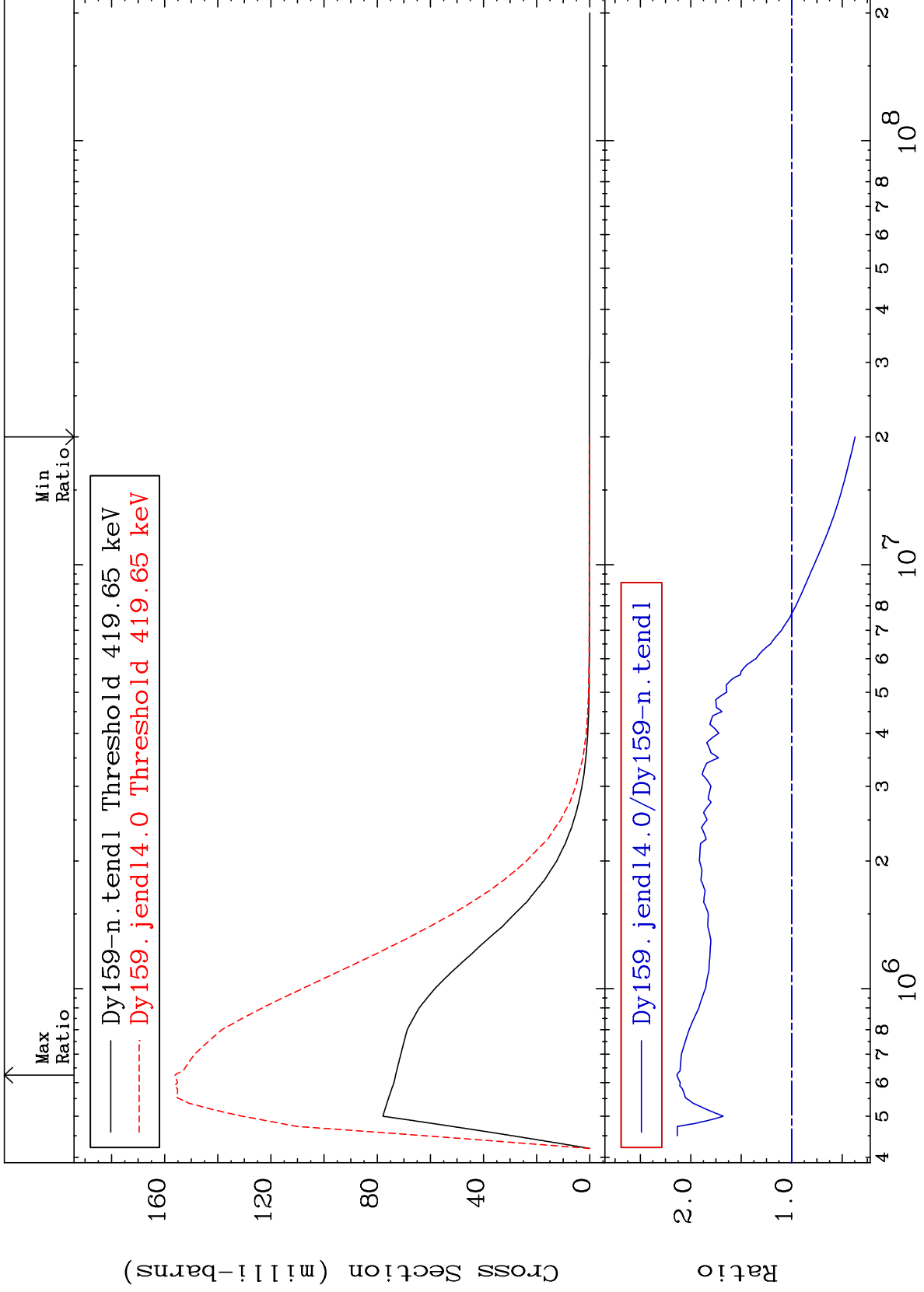
66-Dy-159  
-93.67 To -5.179%



MAT 6634

417.0 keV (n,n') Level  
Cross Section

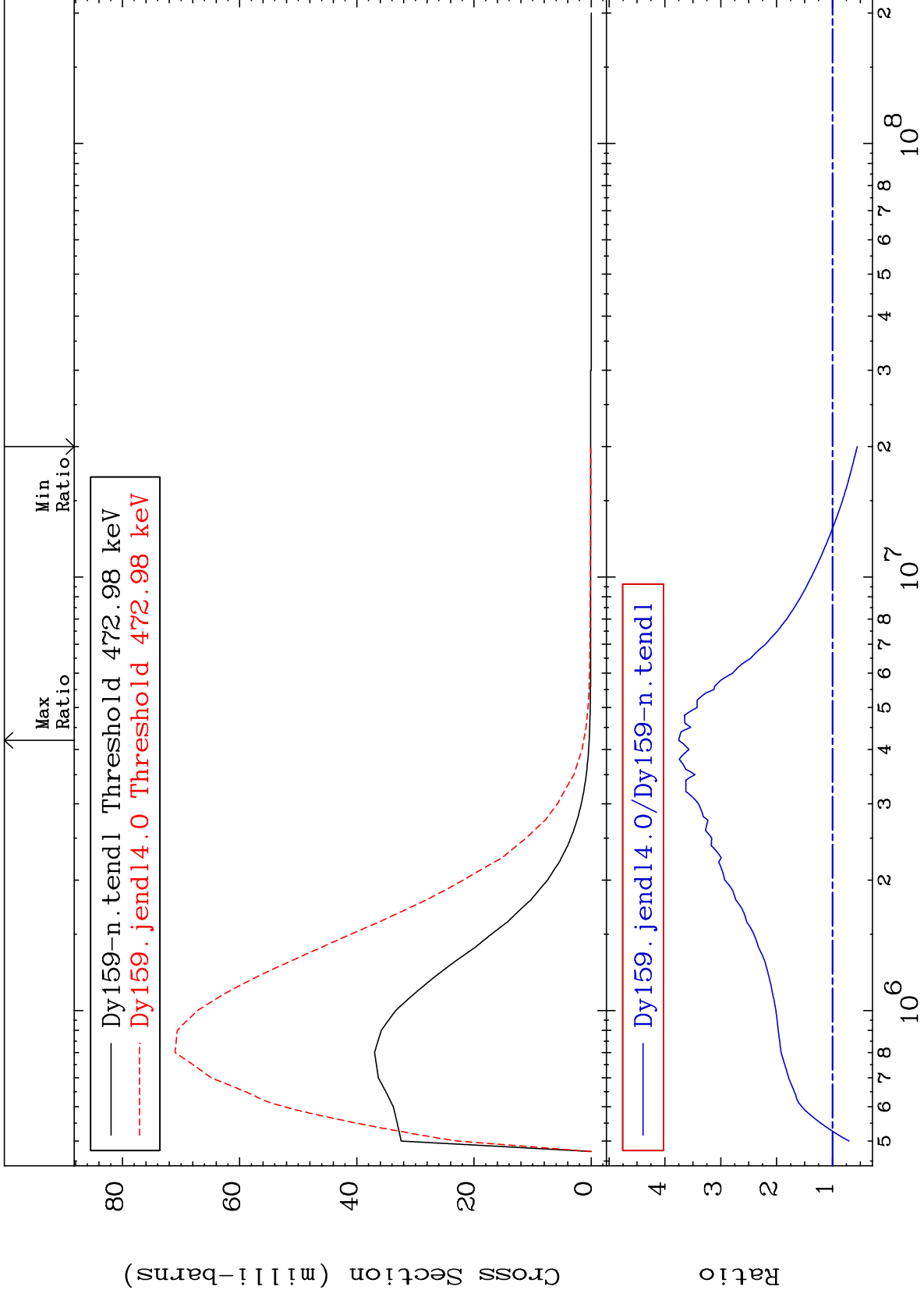
66-Dy-159  
-62.84 To 113.7 %



MAT 6634

470.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-44.32 To 275.5 %

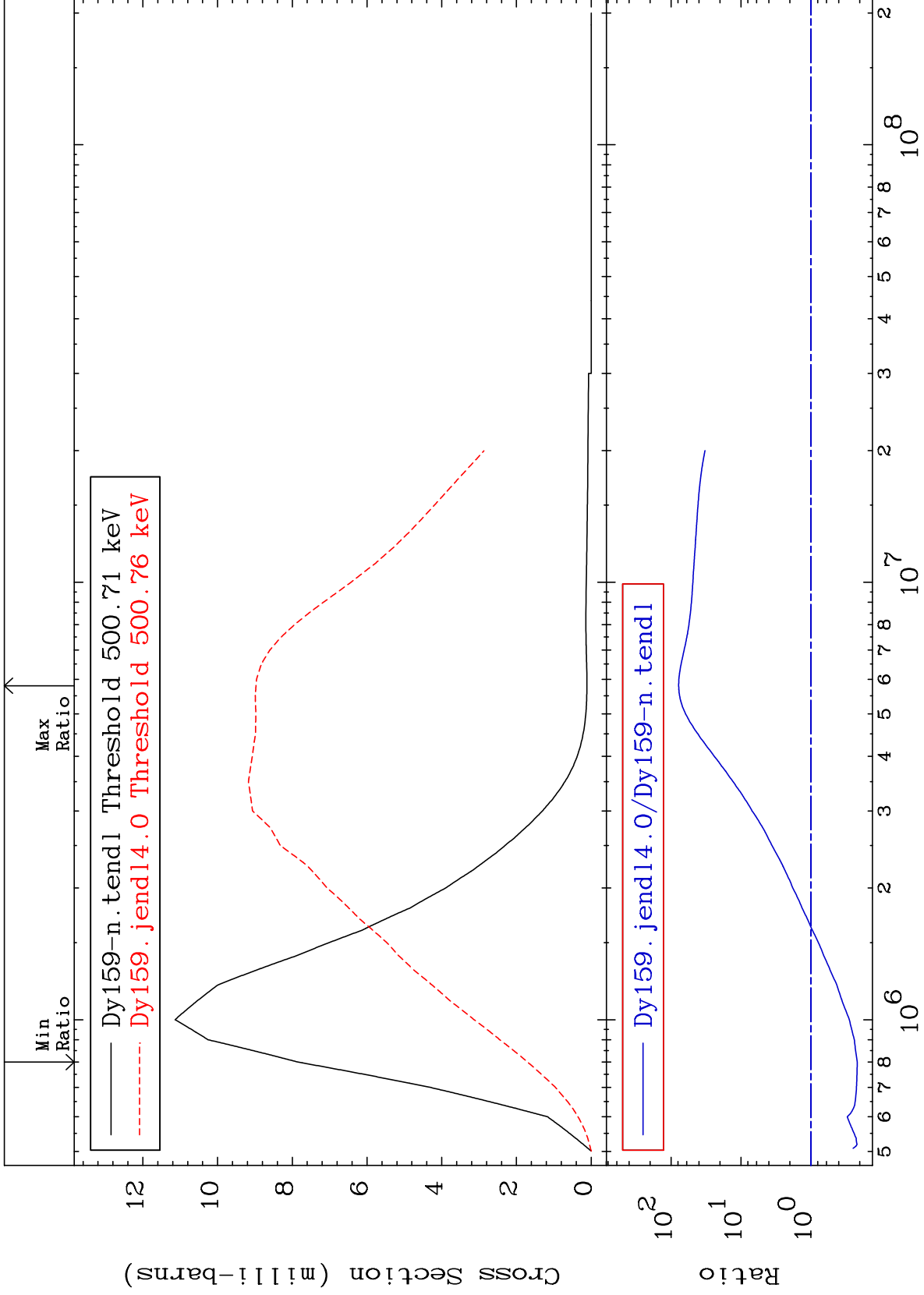




MAT 6634

497.6 keV (n,n') Level  
Cross Section

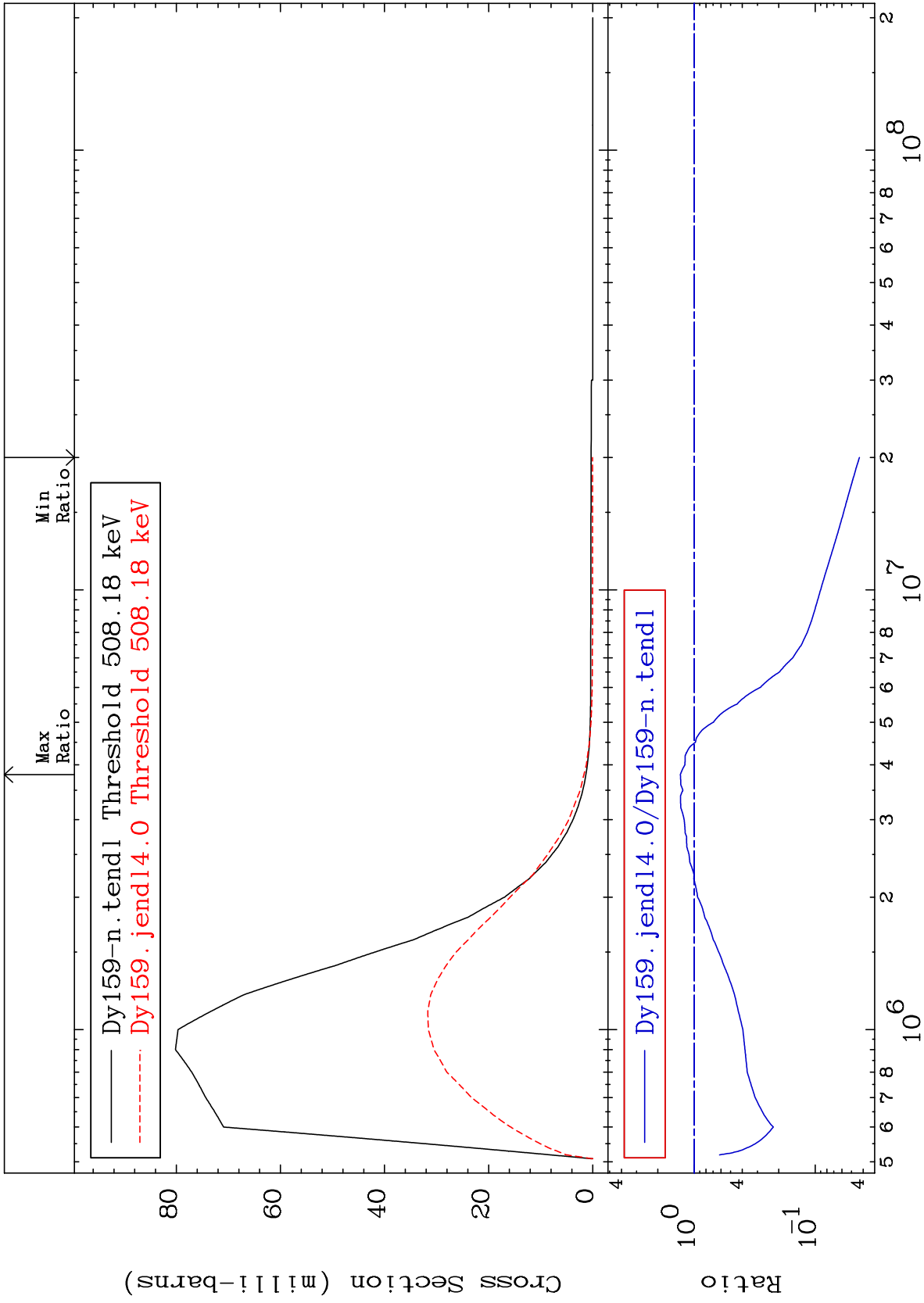
66-Dy-159  
-78.32 To 7725. %



MAT 6634

505.0 keV (n,n') Level  
Cross Section

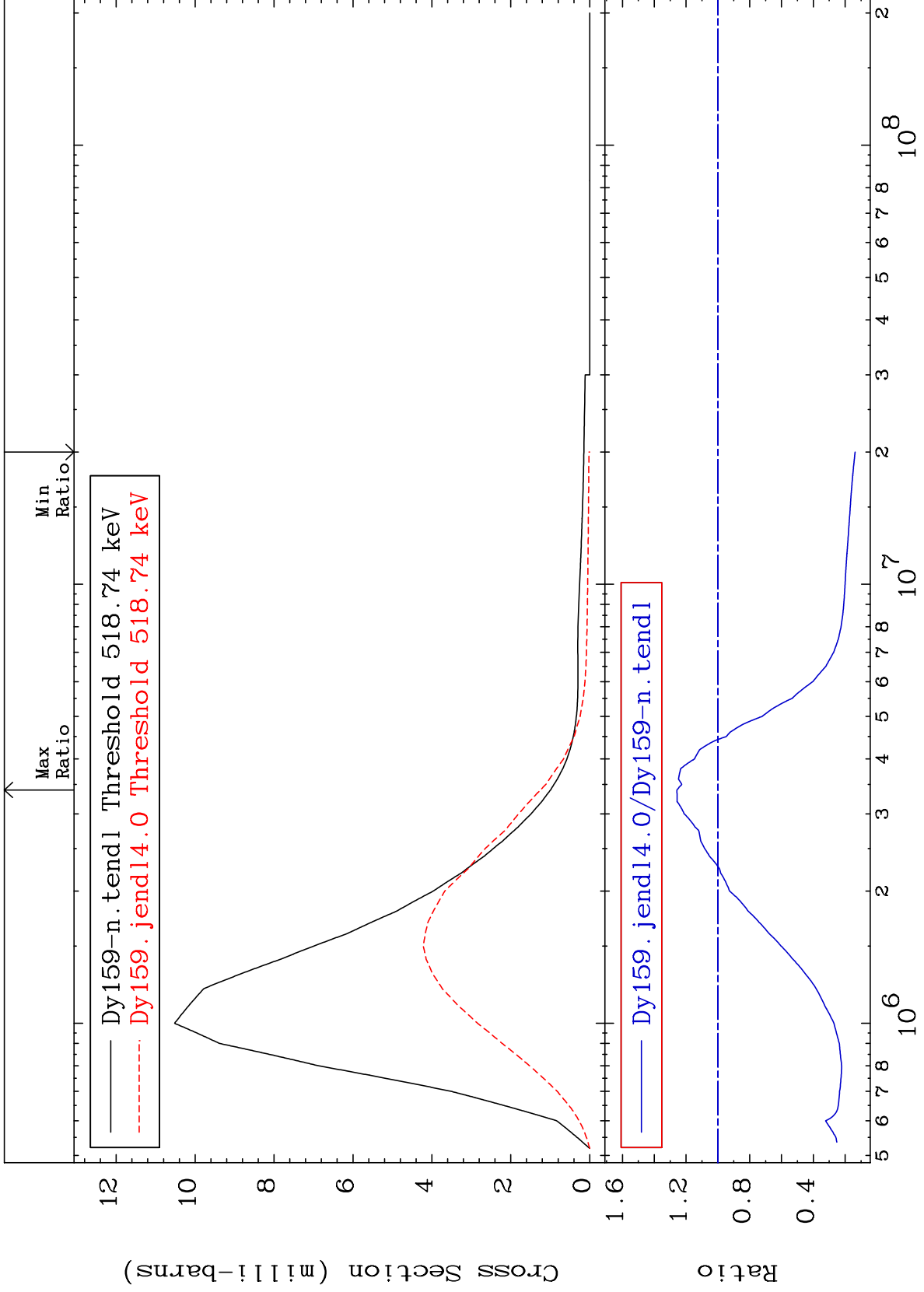
66-Dy-159  
-95.70 To 30.23 %



MAT 6634

515.5 keV (n,n') Level  
Cross Section

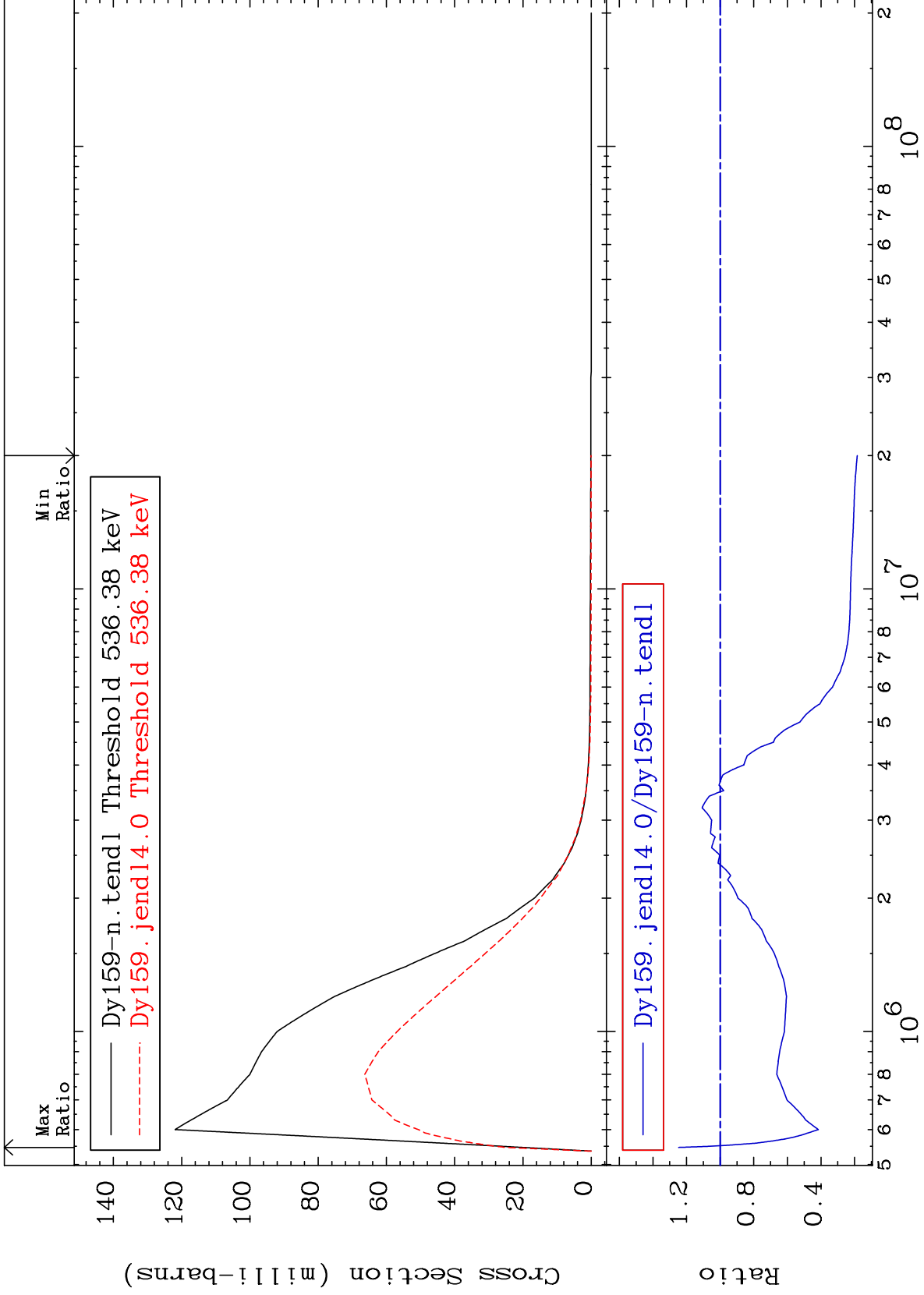
66-Dy-159  
-86.25 To 25.77 %



MAT 6634

533.0 keV (n,n') Level  
Cross Section

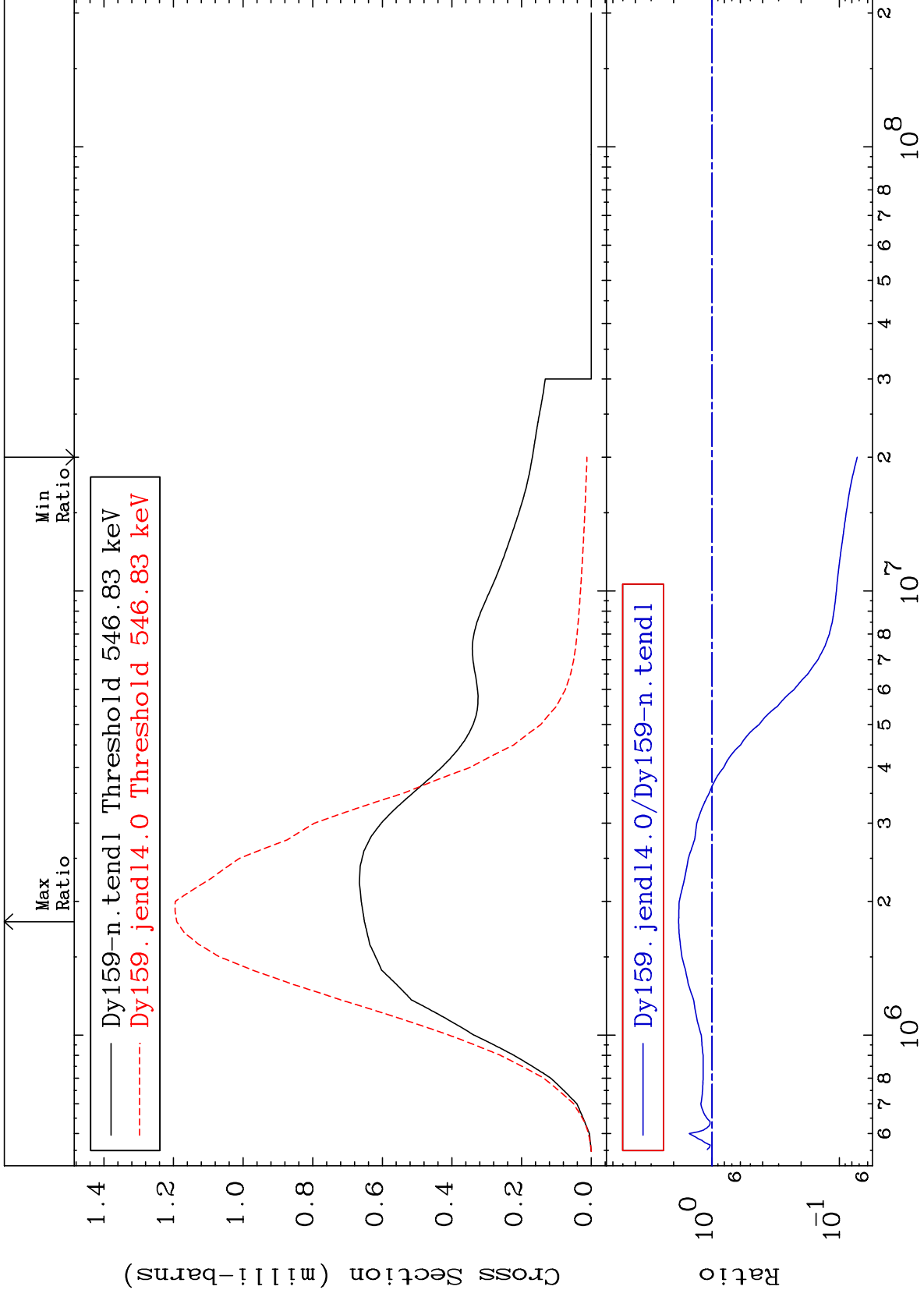
66-Dy-159  
-81.60 To 24.71 %



MAT 6634

543.4 keV (n,n') Level  
Cross Section

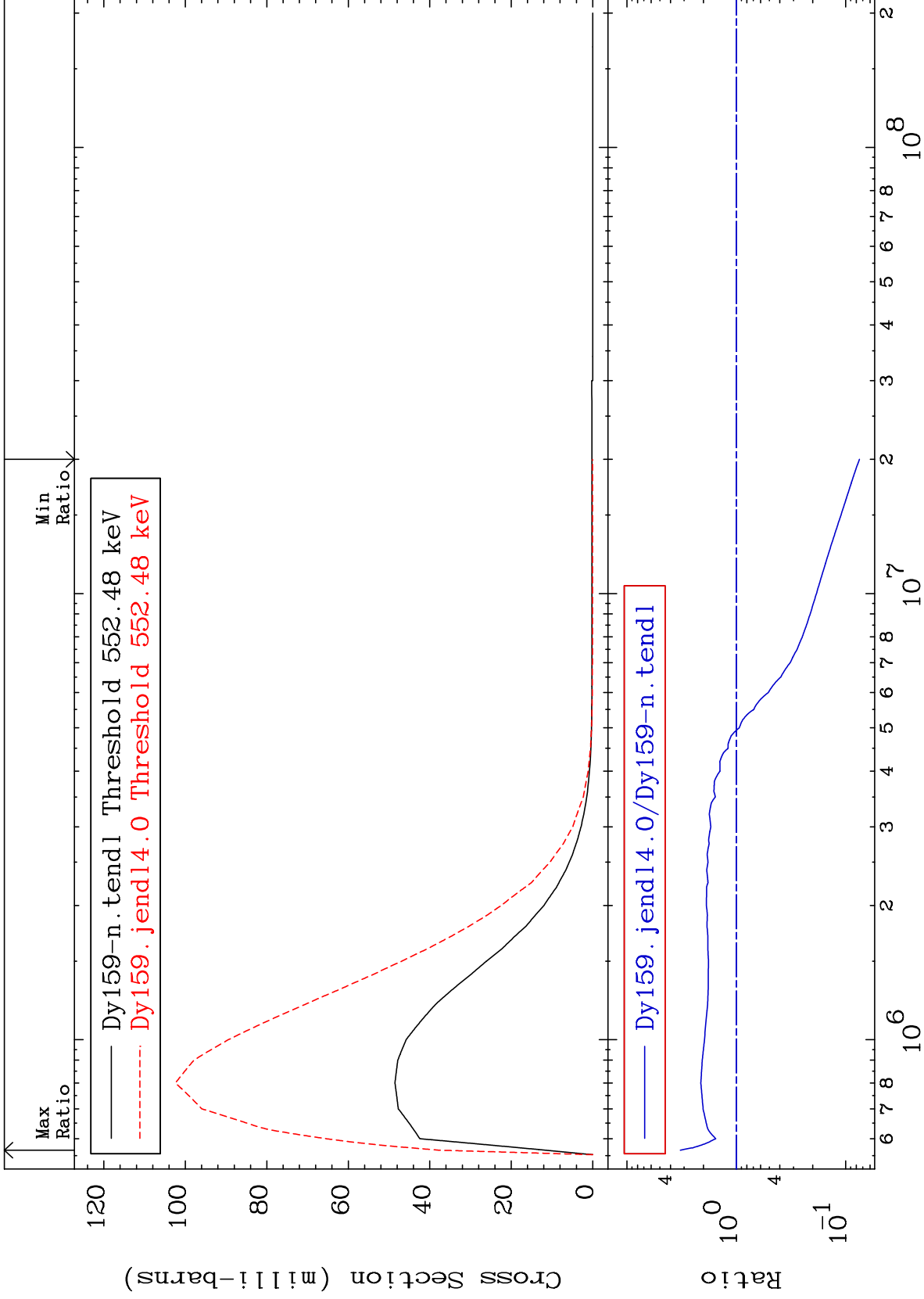
66-Dy-159  
-92.75 To 82.78 %



MAT 6634

549.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-92.50 To 224.5 %



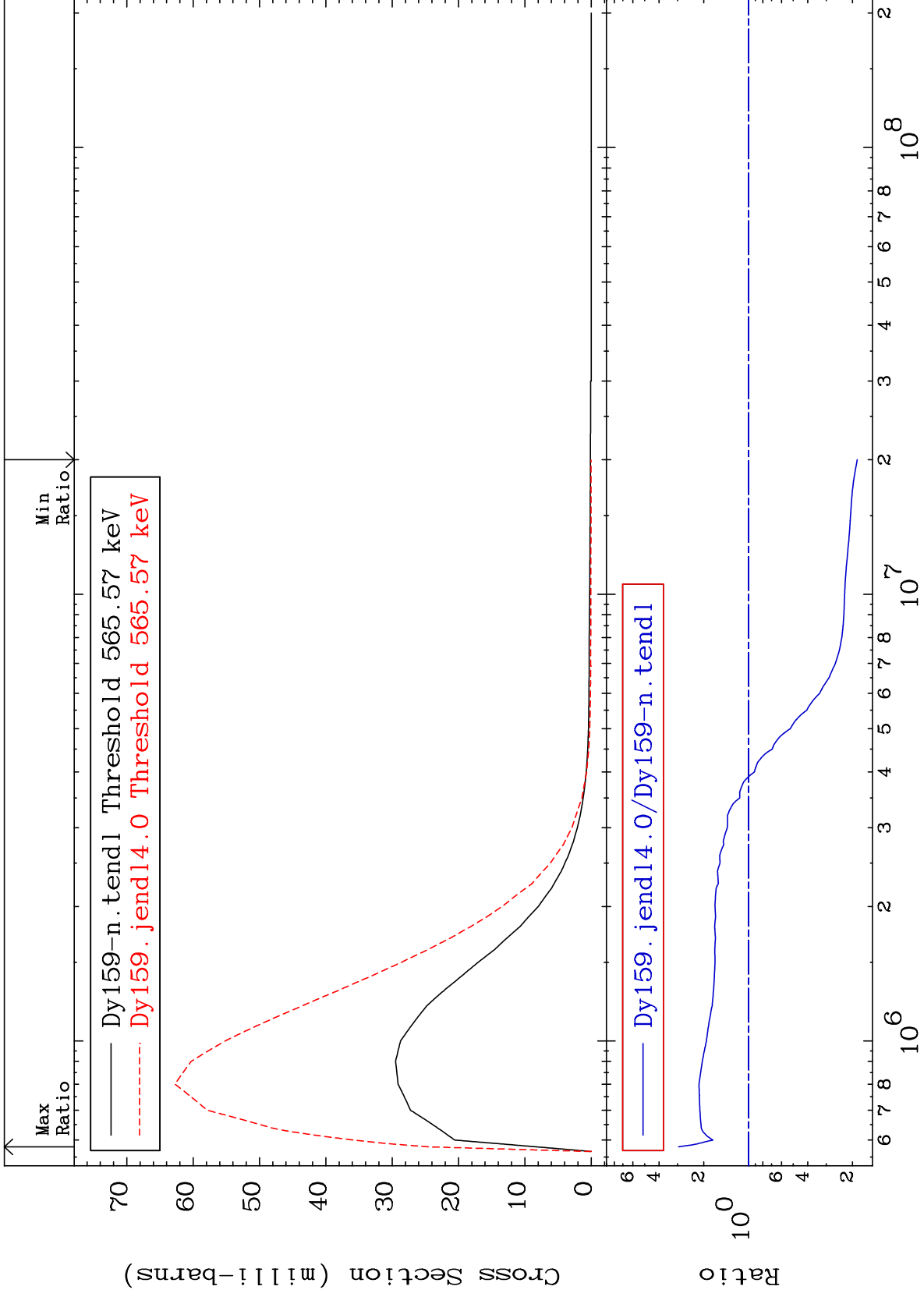
30

66-Dy-159

MAT 6634

562.0 keV (n,n') Level  
Cross Section

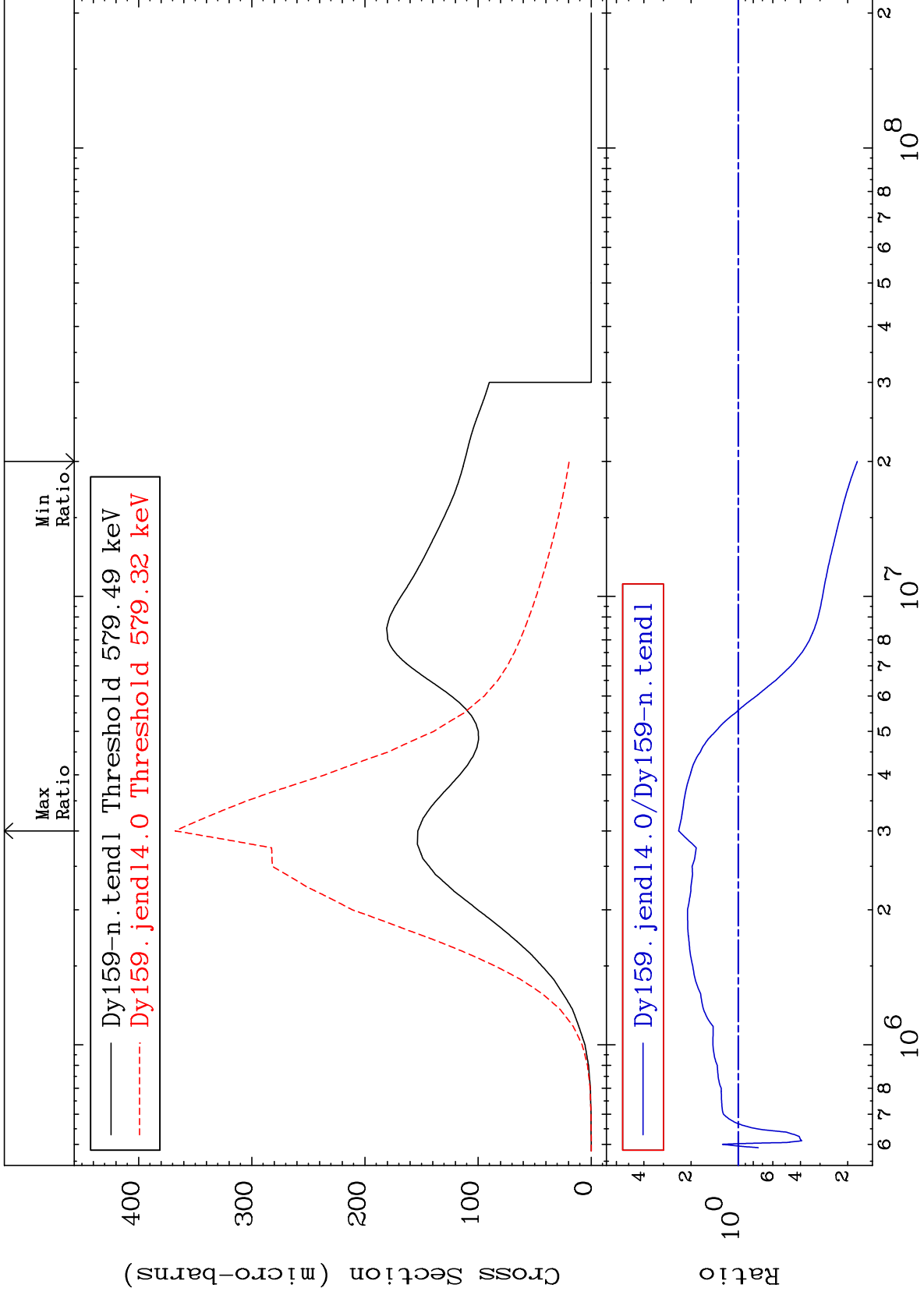
66-Dy-159  
-81.44 To 195.2 %



MAT 6634

575.8 keV (n,n') Level  
Cross Section

66-Dy-159  
-82.65 To 140.1 %

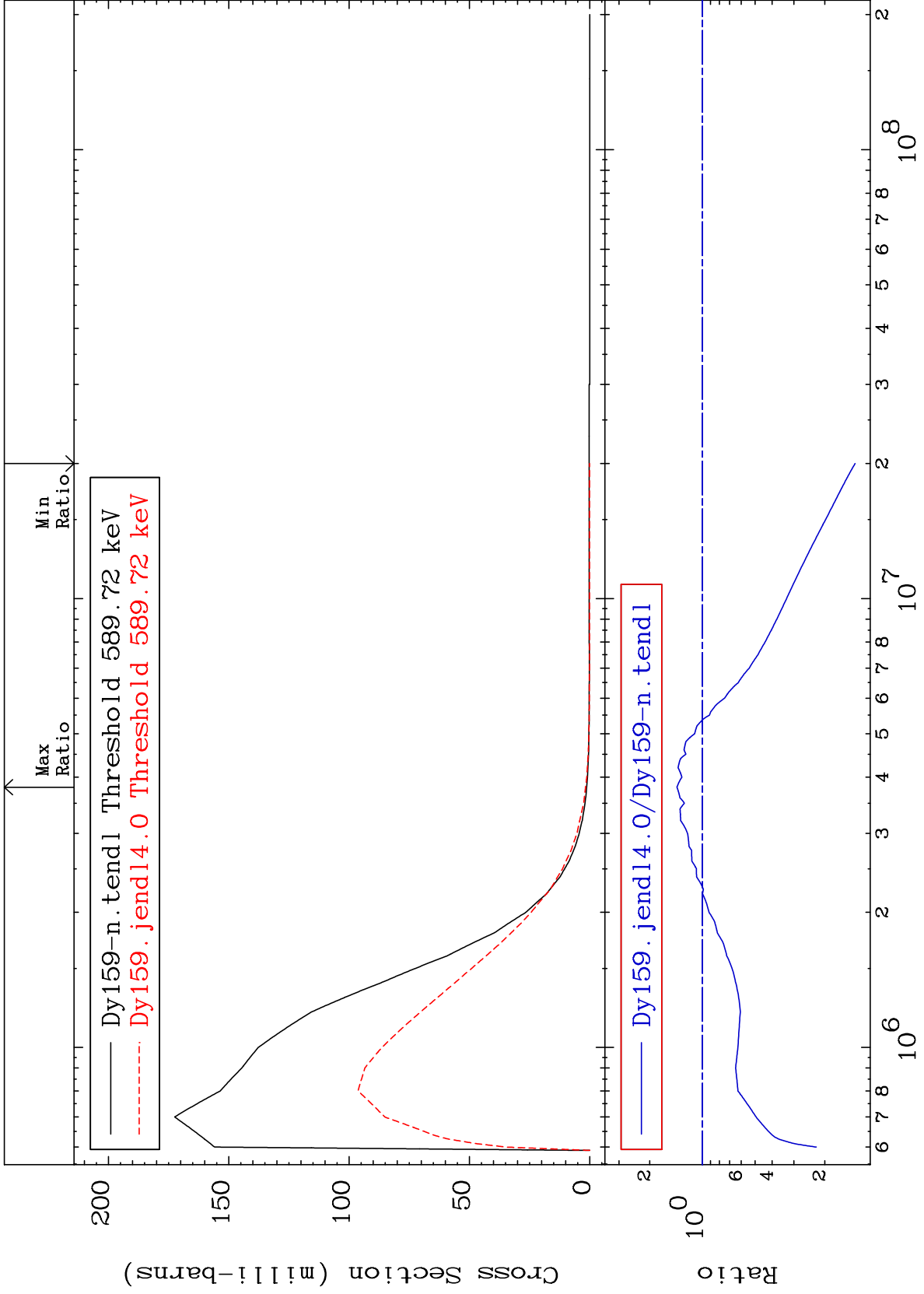




MAT 6634

586.0 keV (n,n') Level  
Cross Section

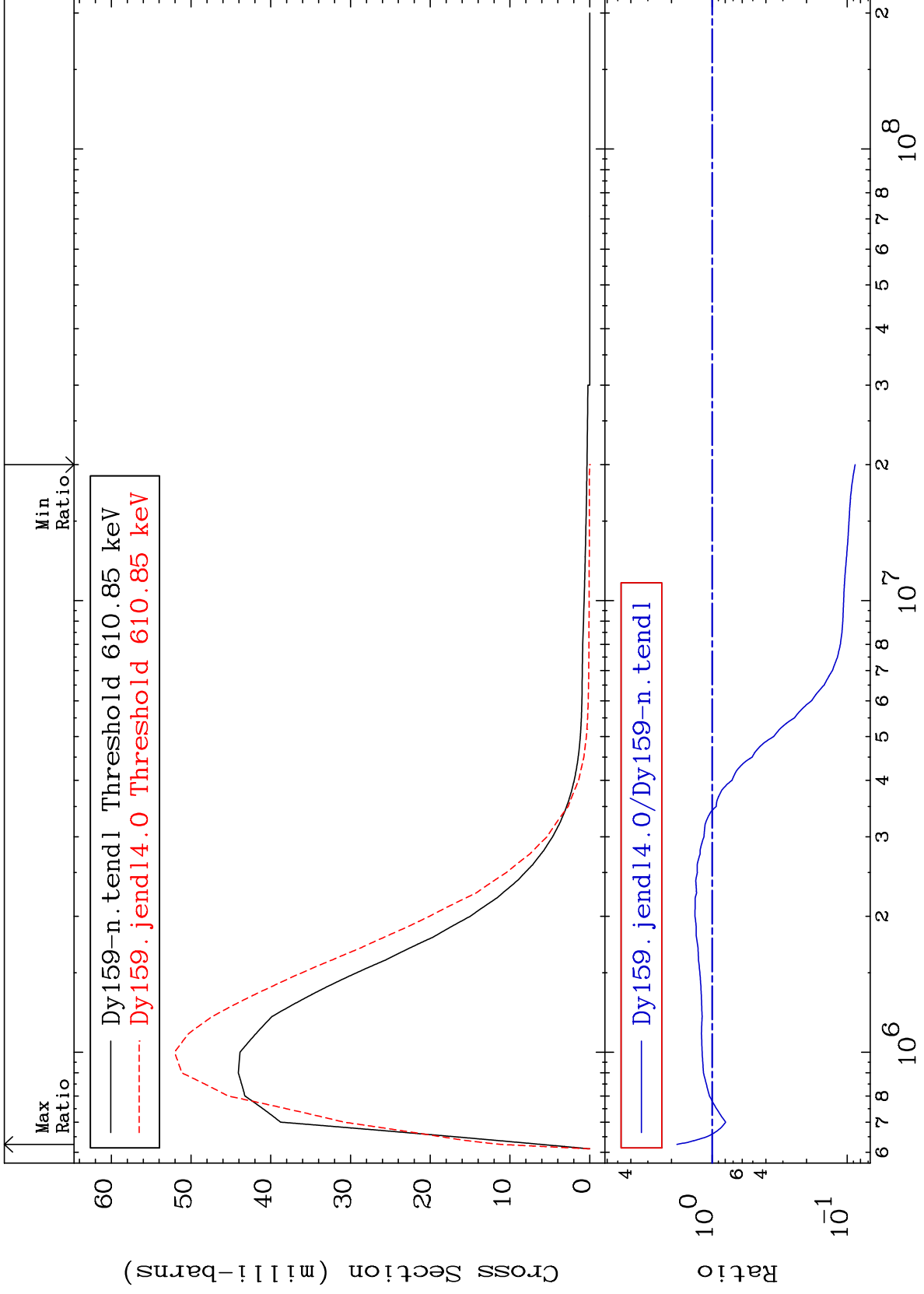
66-Dy-159  
-86.58 To 39.92 %



MAT 6634

607.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-91.25 To 82.43 %



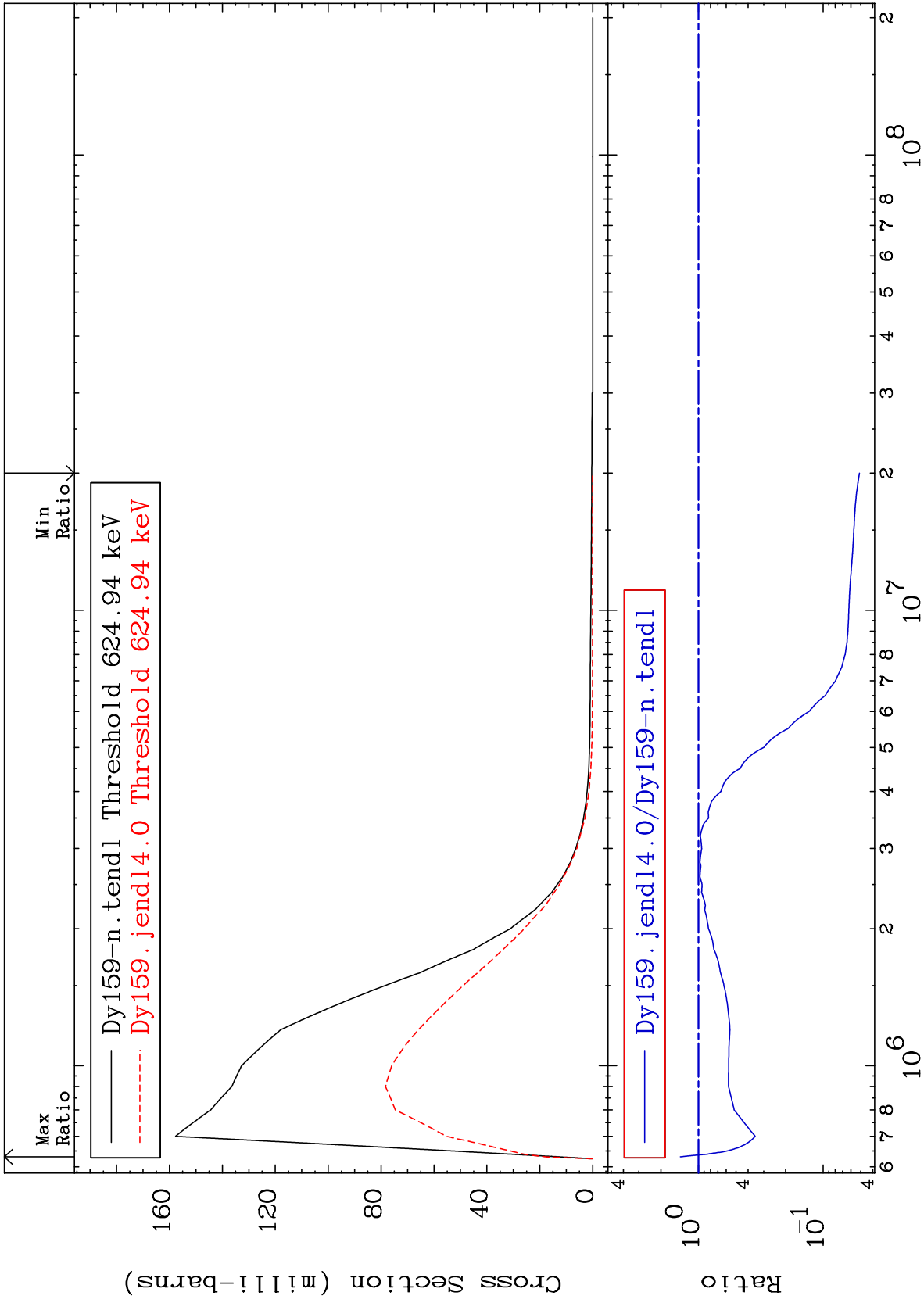
34

66-Dy-159

MAT 6634

621.0 keV (n,n') Level  
Cross Section

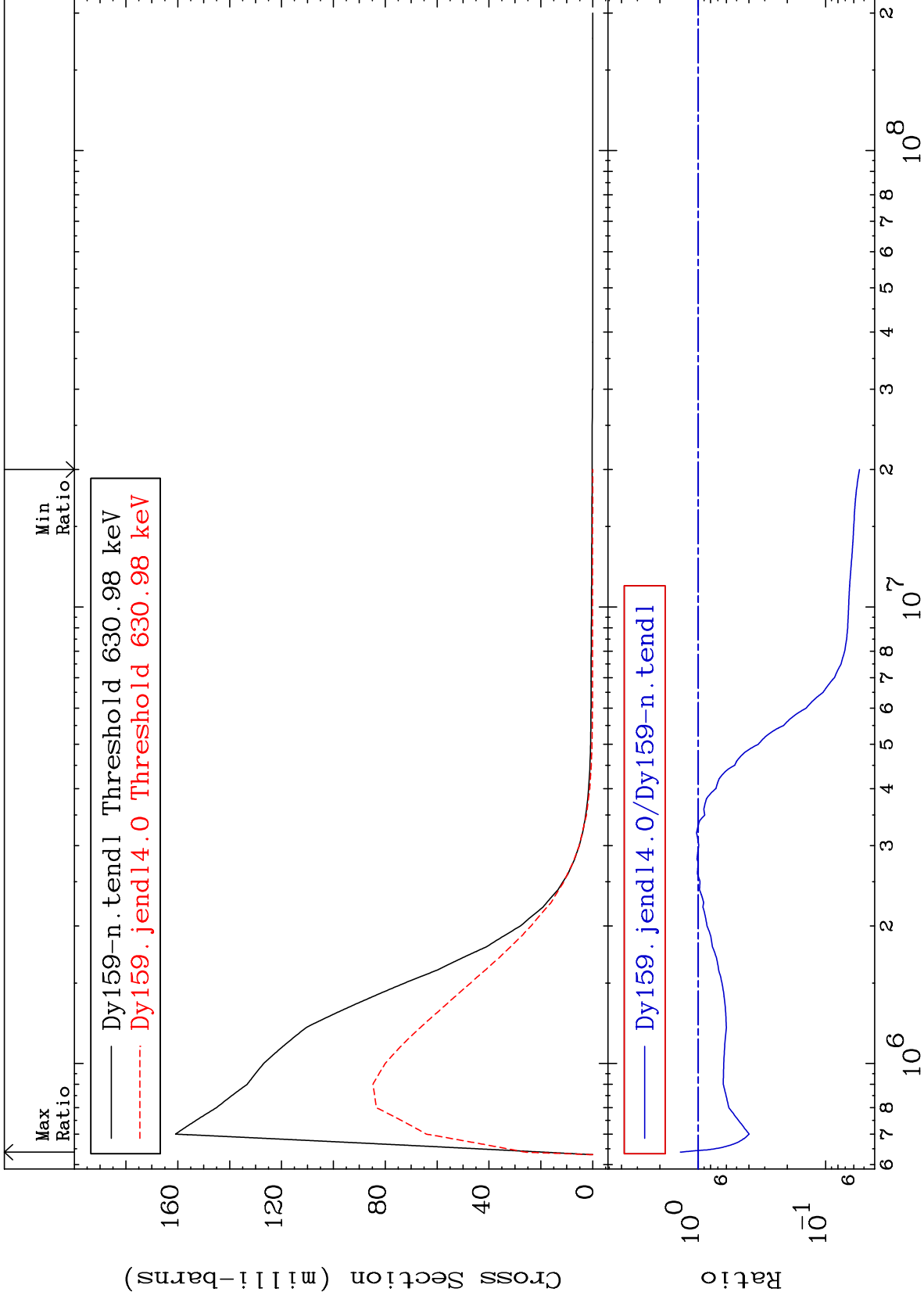
66-Dy-159  
-94.88 To 39.60 %



MAT 6634

627.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-94.57 To 38.09 %



36

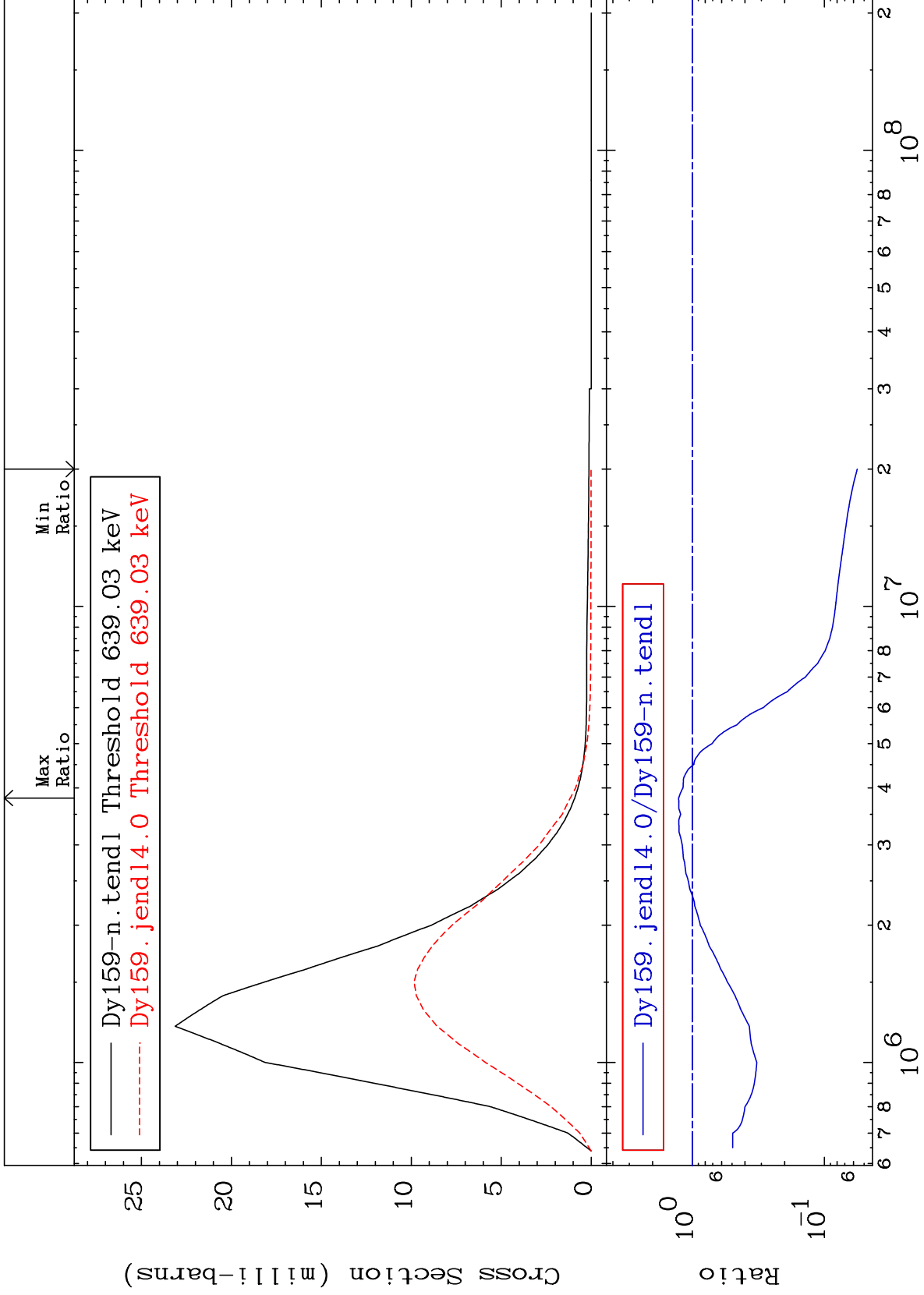
Incident Energy (eV)

66-Dy-159

MAT 6634

635.0 keV (n,n') Level  
Cross Section

66-Dy-159  
-94.37 To 27.03 %



37

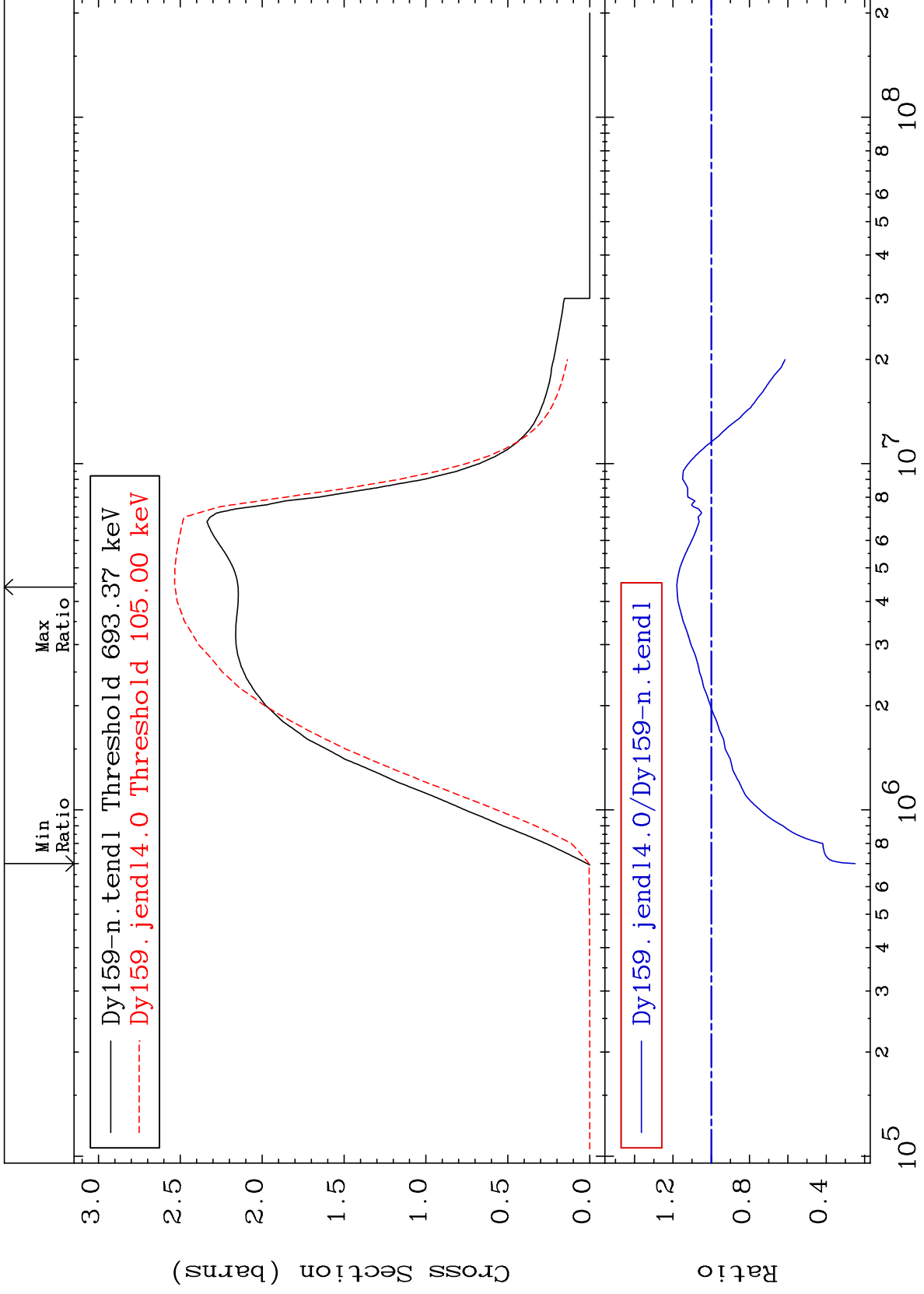
Incident Energy (eV)

66-Dy-159

MAT 6634

(n, n') Continuum  
Cross Section

66-Dy-159  
-75.07 To 17.91 %



38

Incident Energy (eV)

66-Dy-159

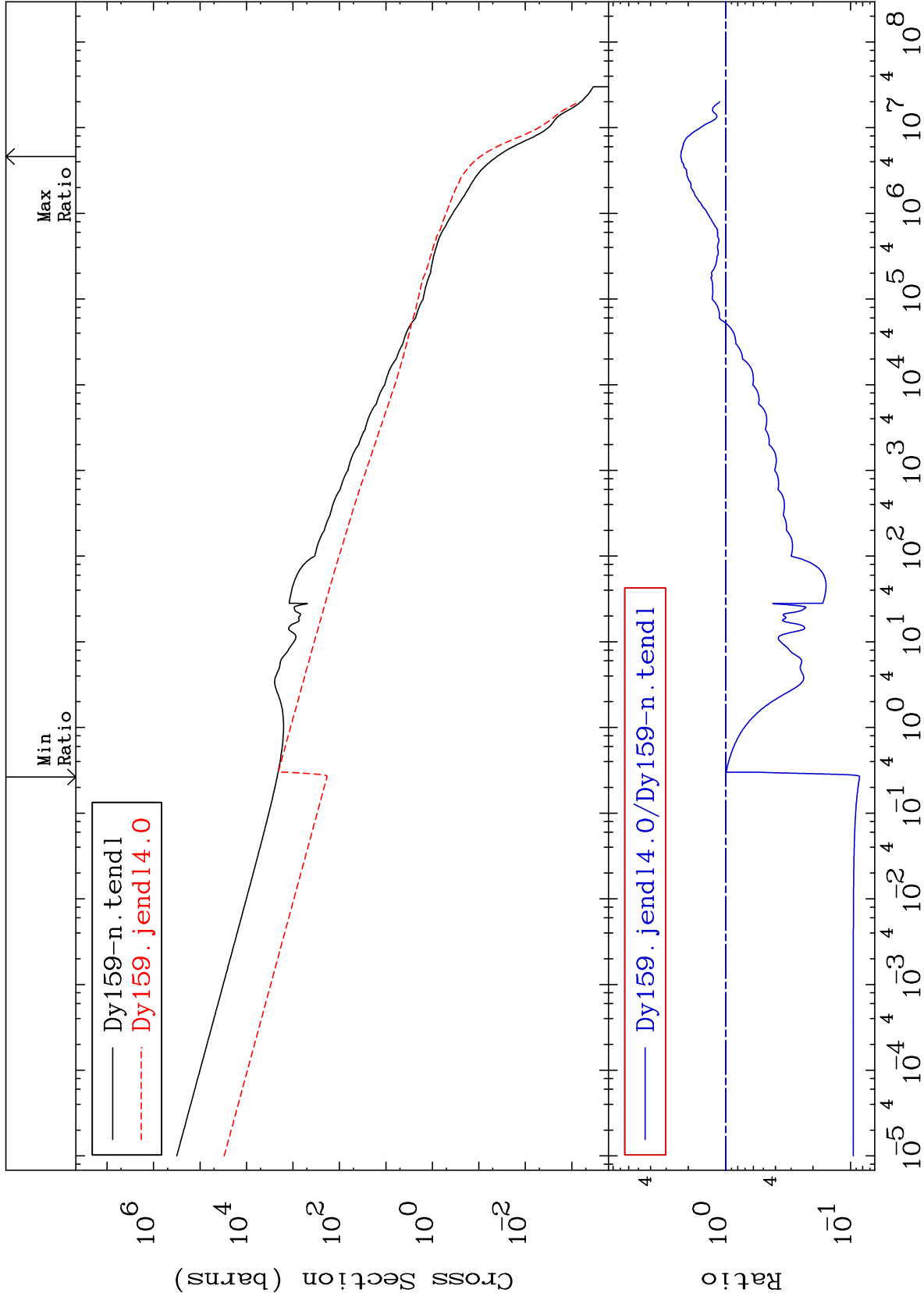
MAT 6634

(n,  $\gamma$ )

66-Dy-159

Cross Section

-91.53 To 129.3 %



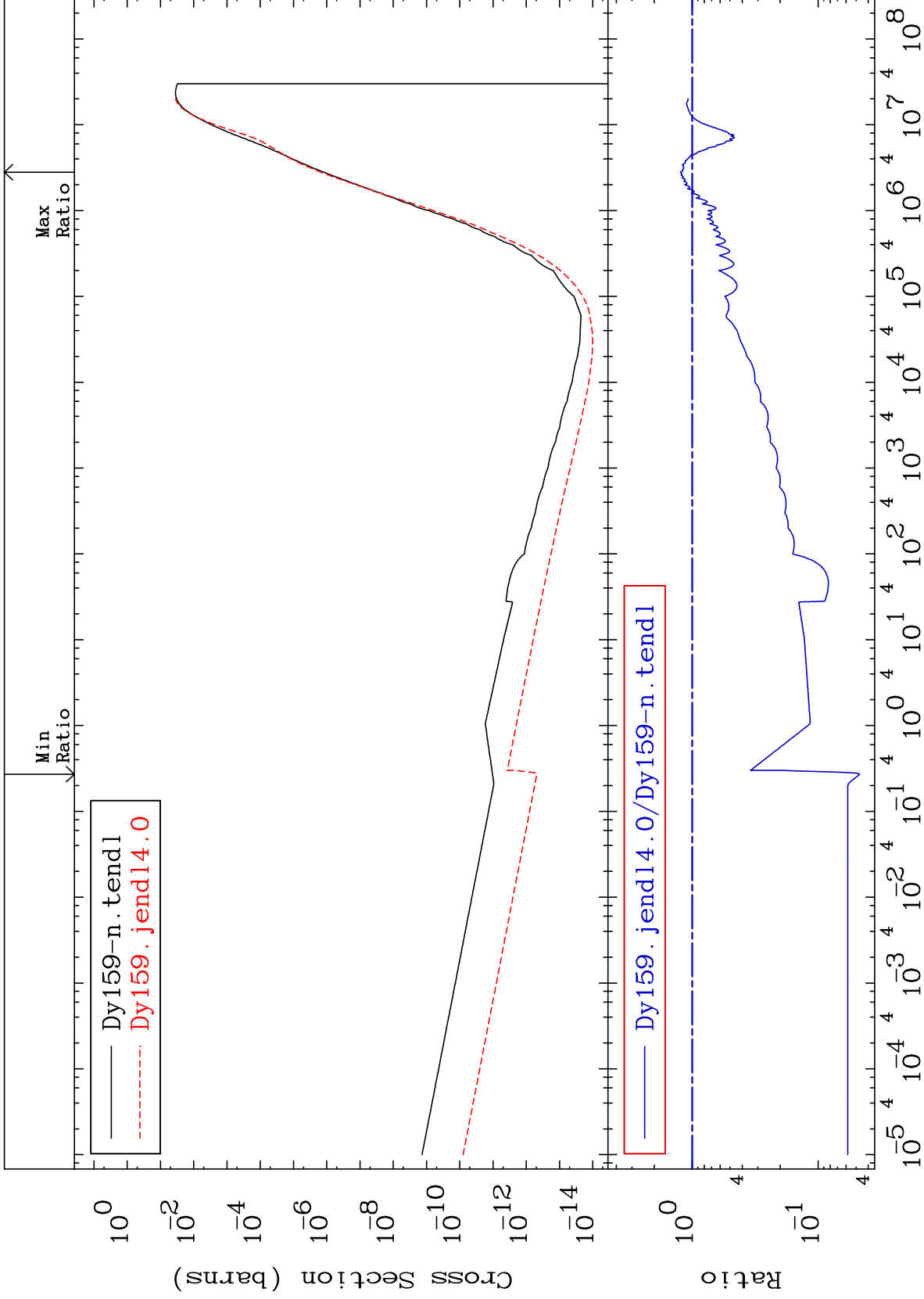
MAT 6634

(n,p)

66-Dy-159

Cross Section

-95.30 To 23.99 %

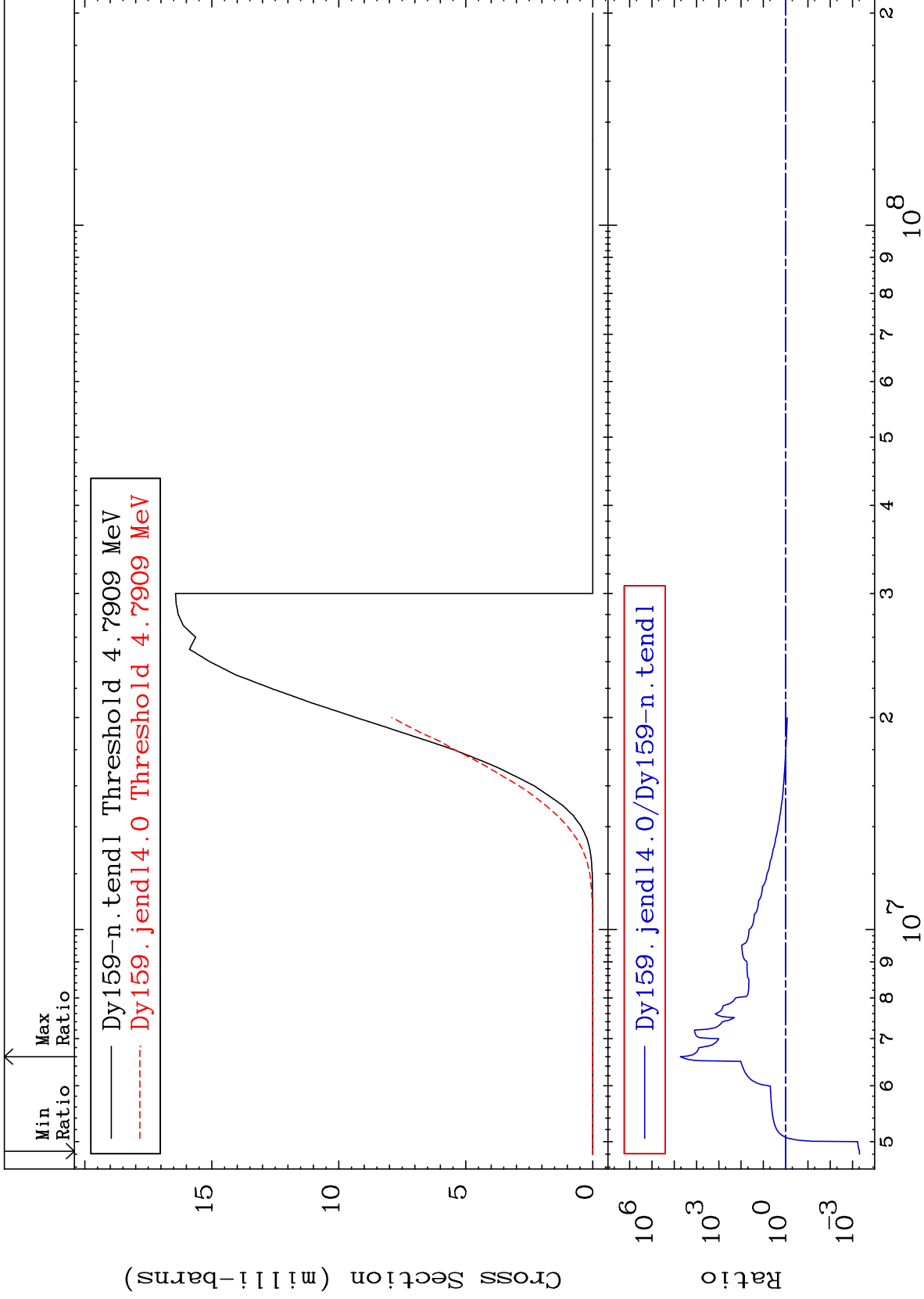


Incident Energy (eV)

66-Dy-159

40





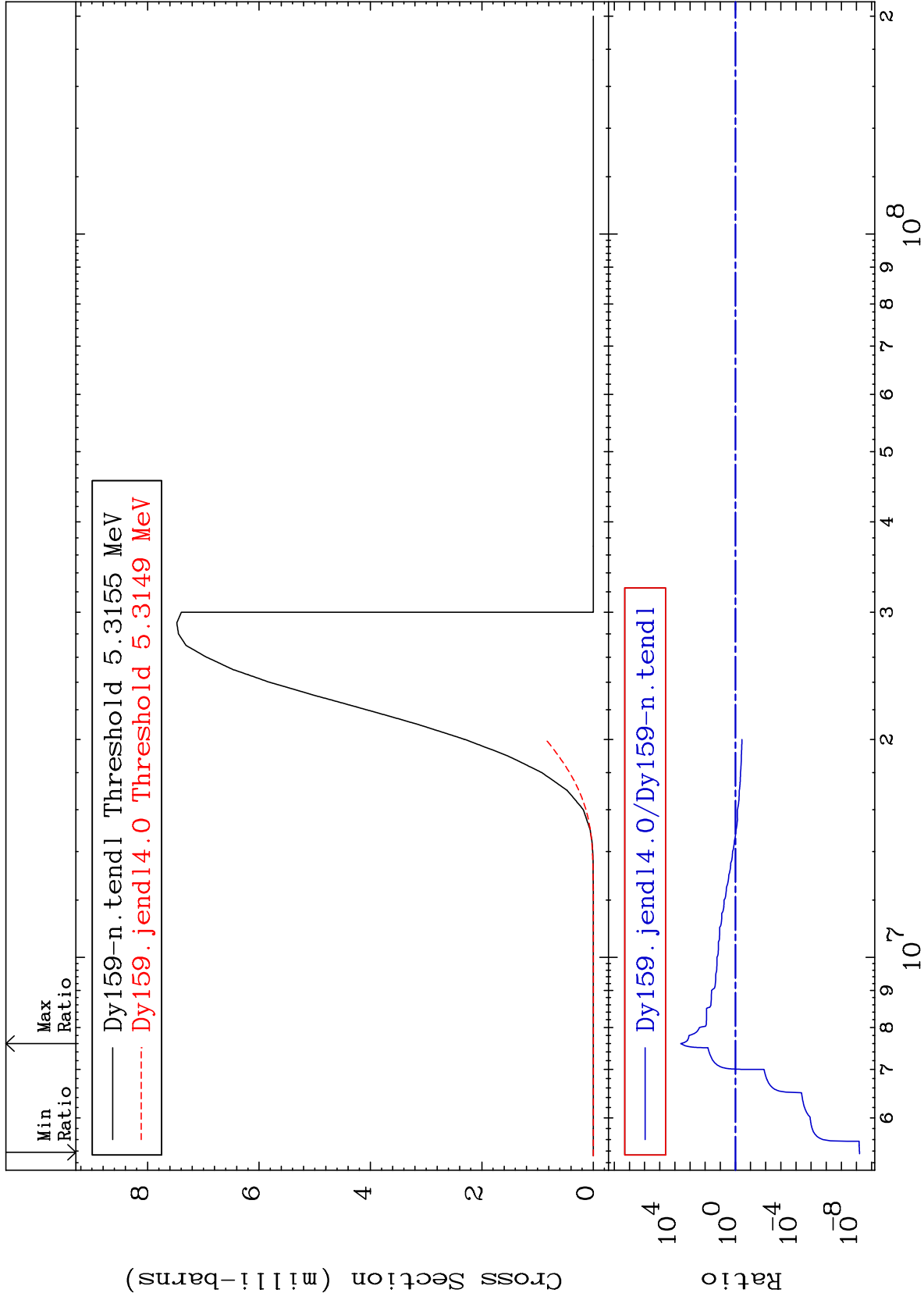
MAT 6634

(n, t)

66-Dy-159

Cross Section

-100.0 To 9999. %



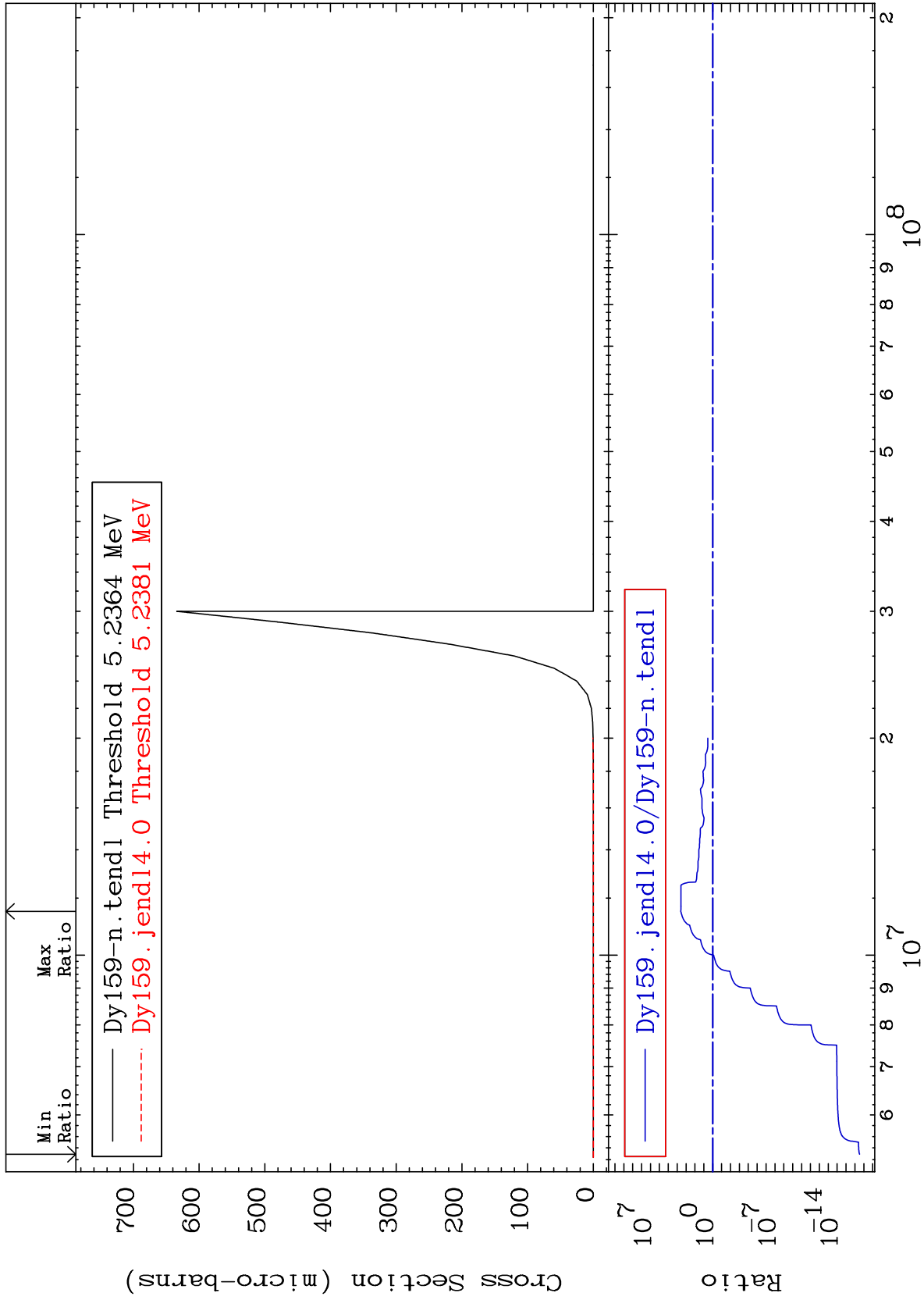
MAT 6634

(n, He-3)

66-Dy-159

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

66-Dy-159

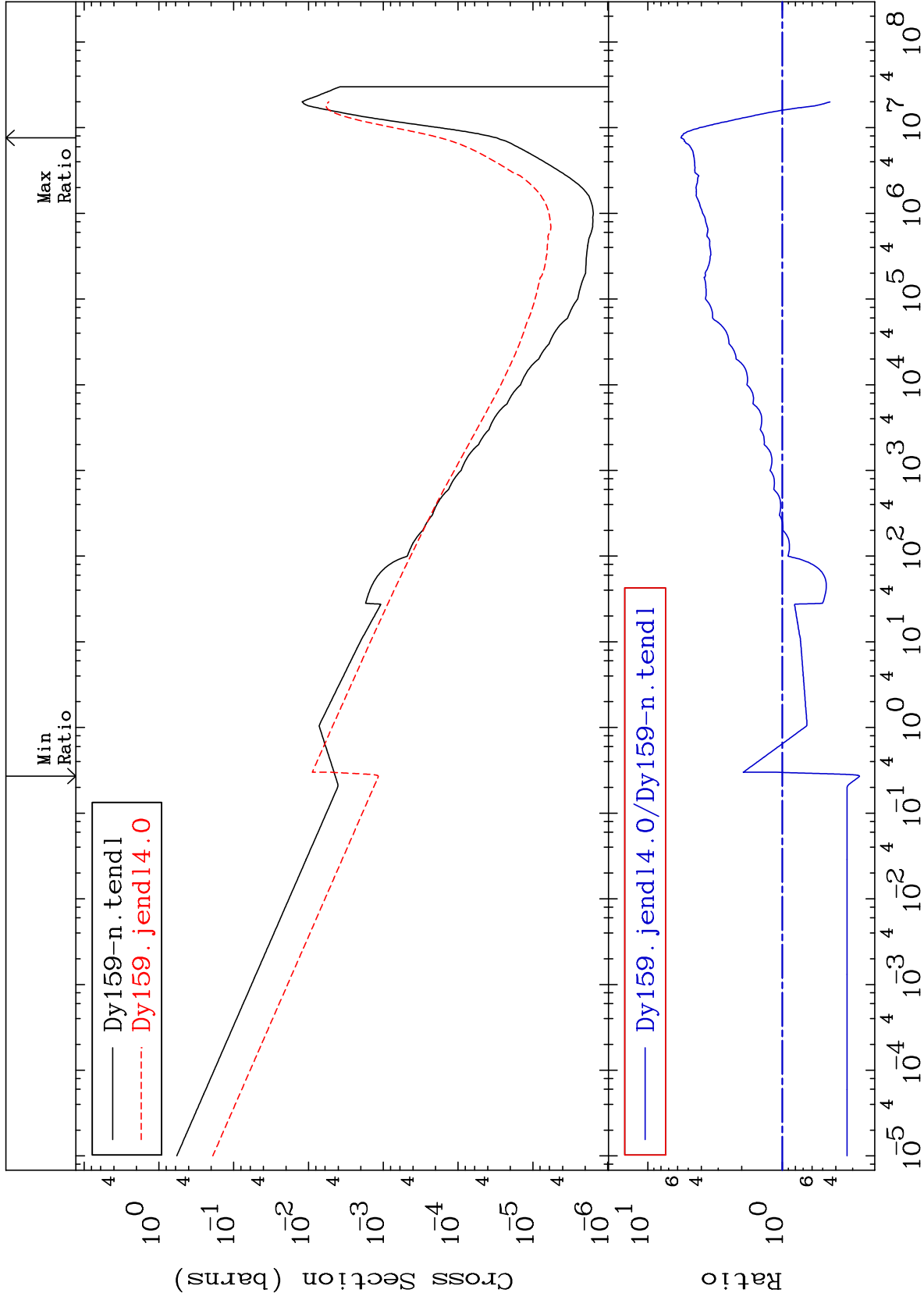
MAT 6634

(n,  $\alpha$ )

66-Dy-159

Cross Section

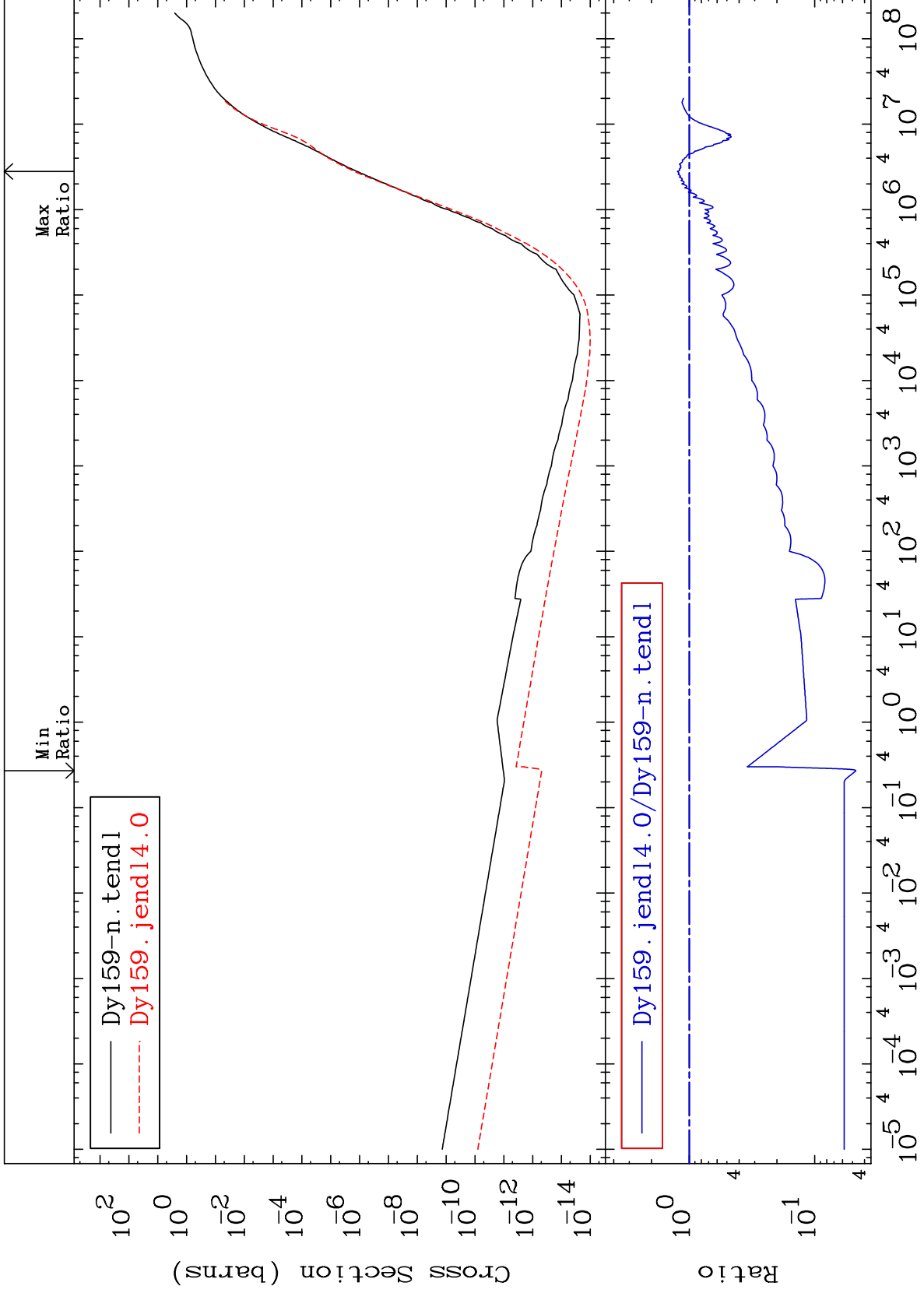
-73.36 To 468.8 %

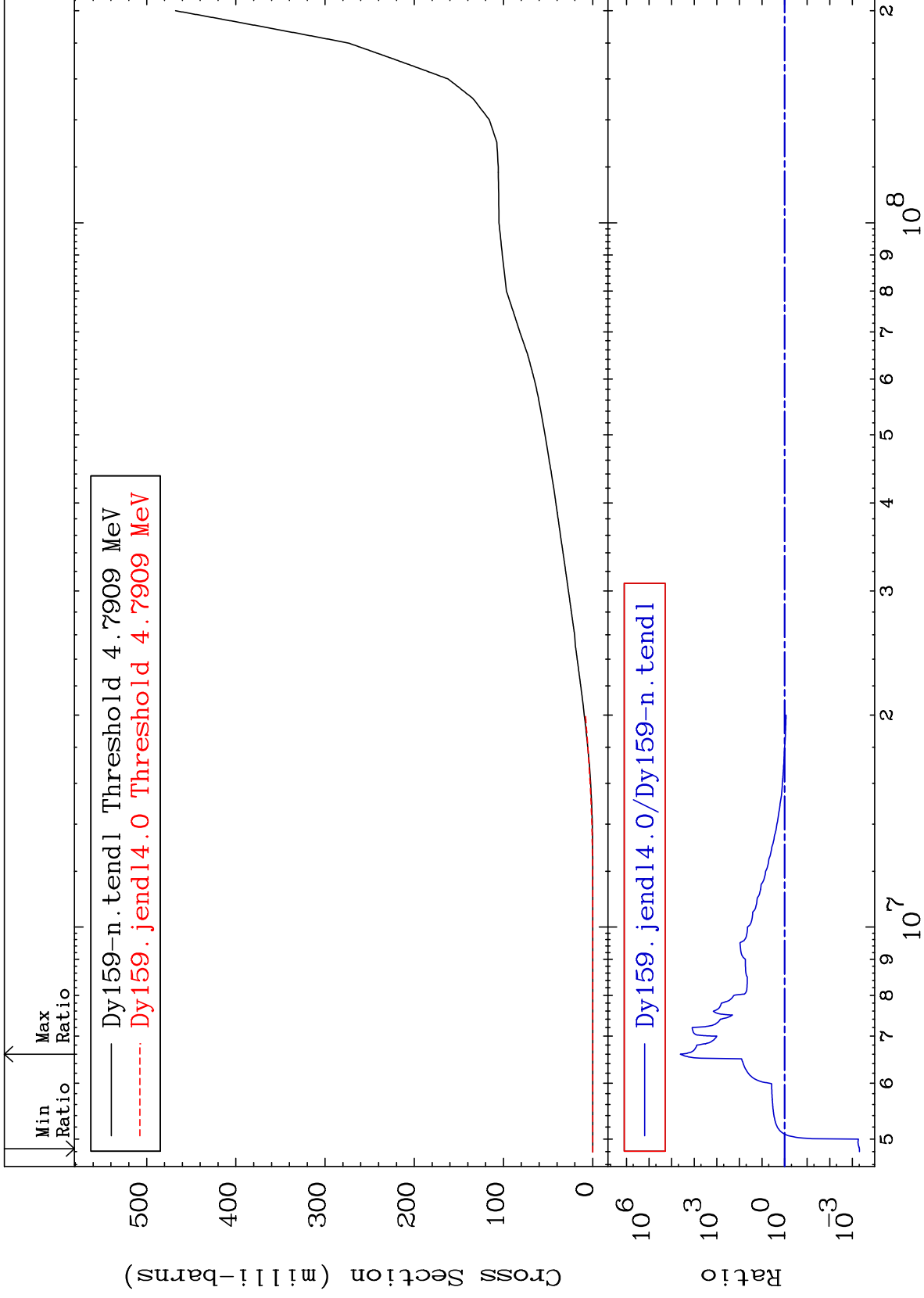


MAT 6634

### Hydrogen Production Cross Section

66-Dy-159  
-95.30 To 23.99 %

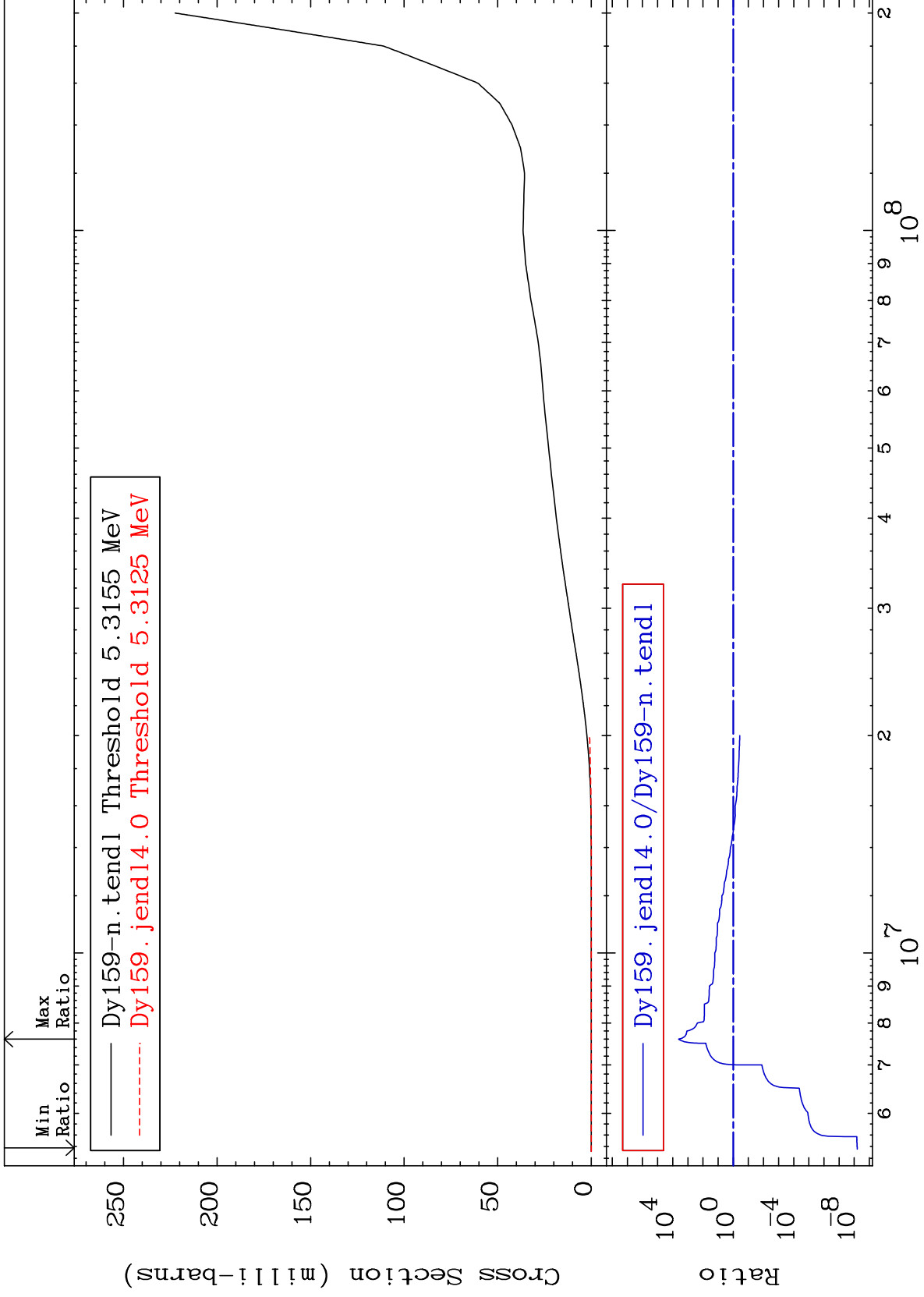




MAT 6634

Tritium Production  
Cross Section

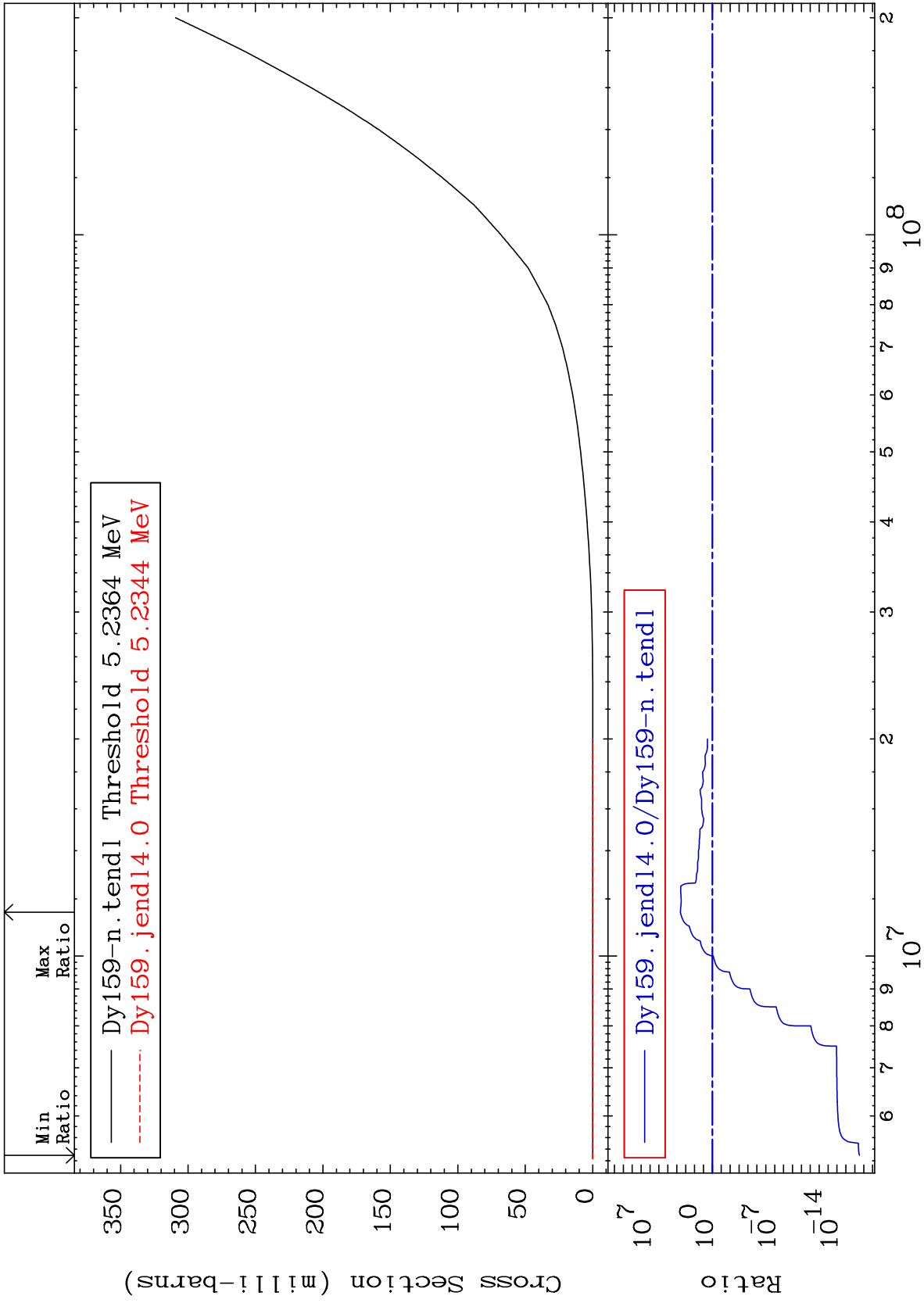
66-Dy-159  
-100.0 To 9999. %



MAT 6634

He-3 Production  
Cross Section

66-Dy-159  
-100.0 To 9999. %

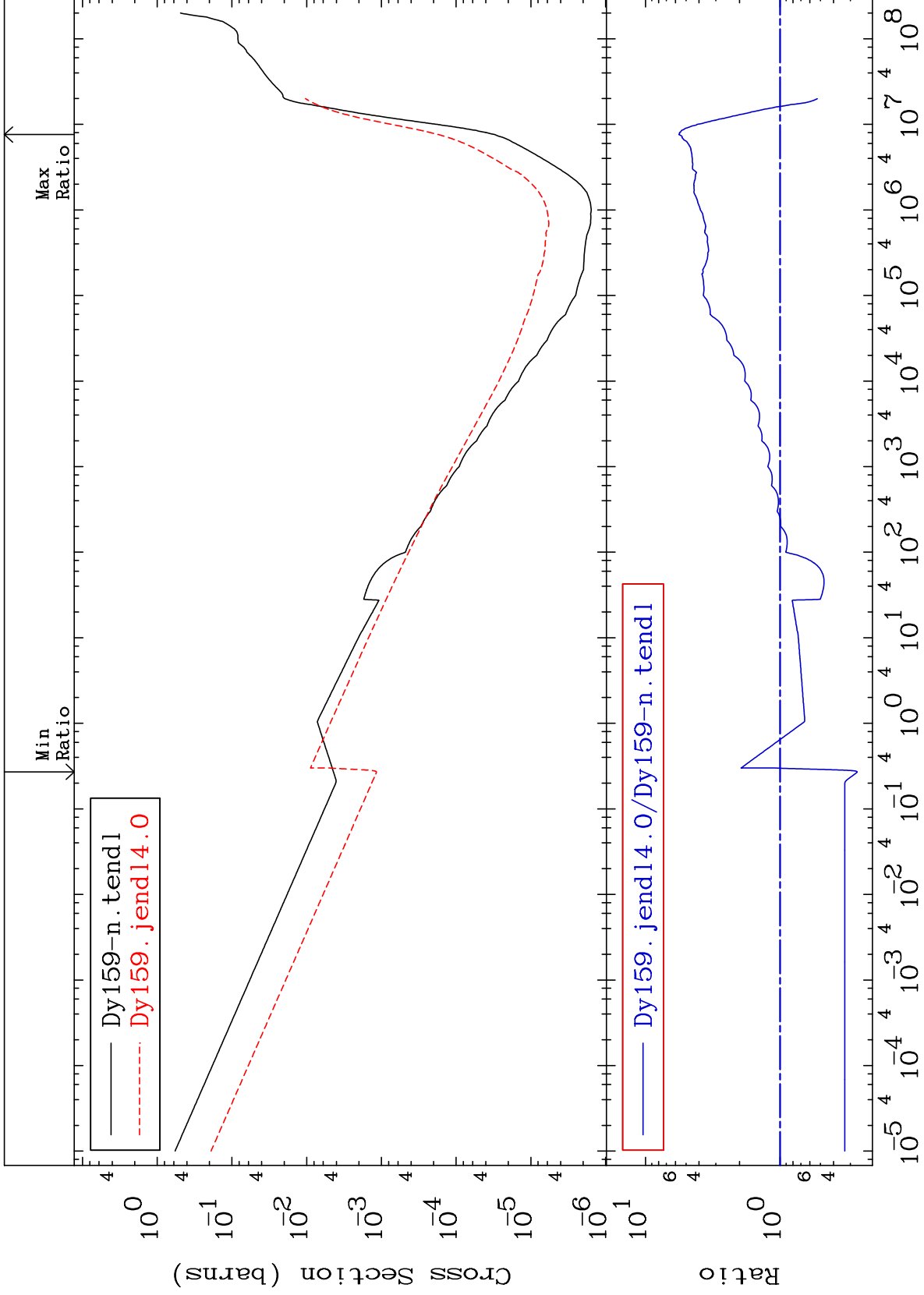




MAT 6634

He-4 Production  
Cross Section

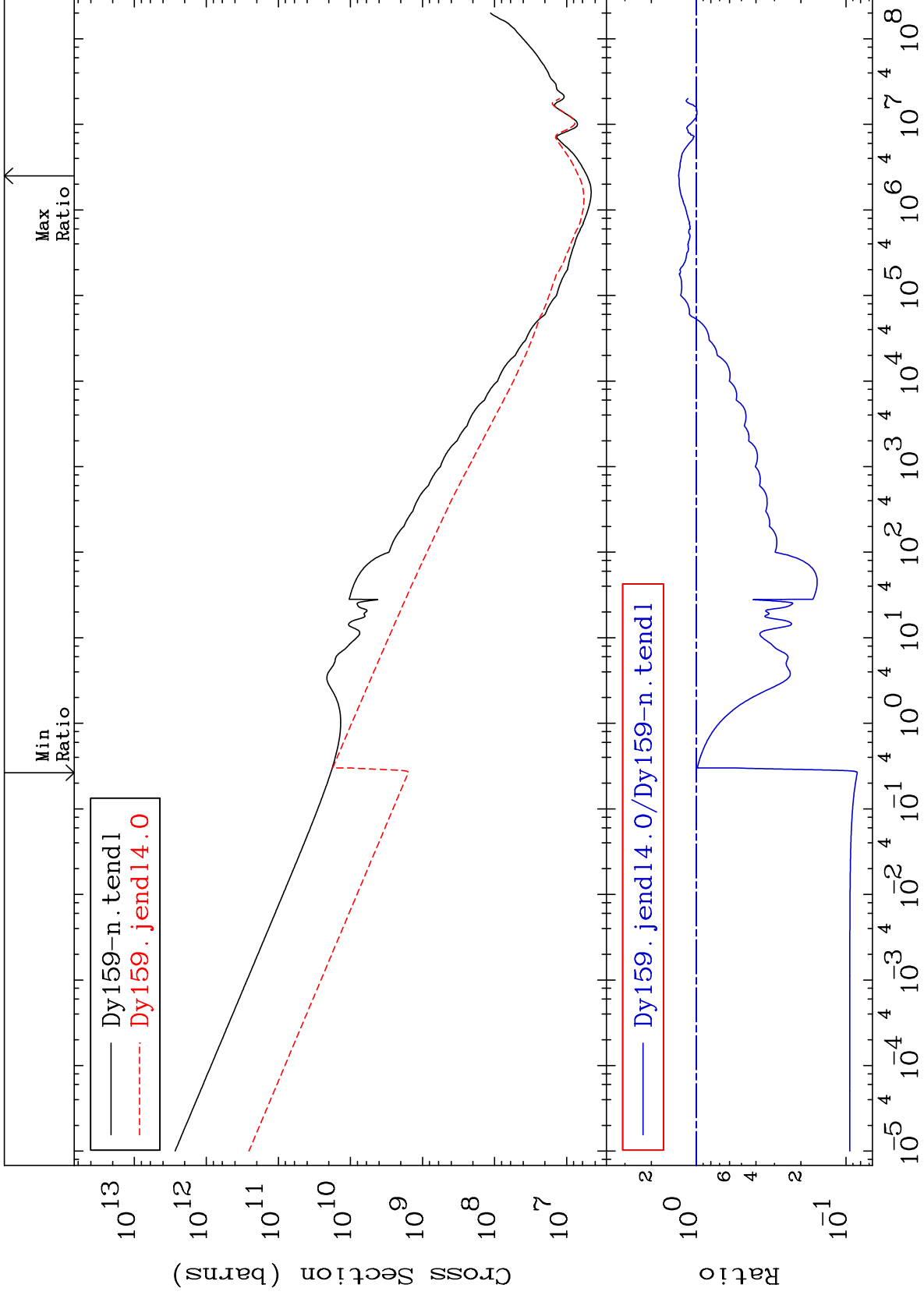
66-Dy-159  
-73.36 To 467.7 %



MAT 6634

Kerma total (eV-barns)  
Cross Section

66-Dy-159  
-91.59 To 31.24 %



Incident Energy (eV)

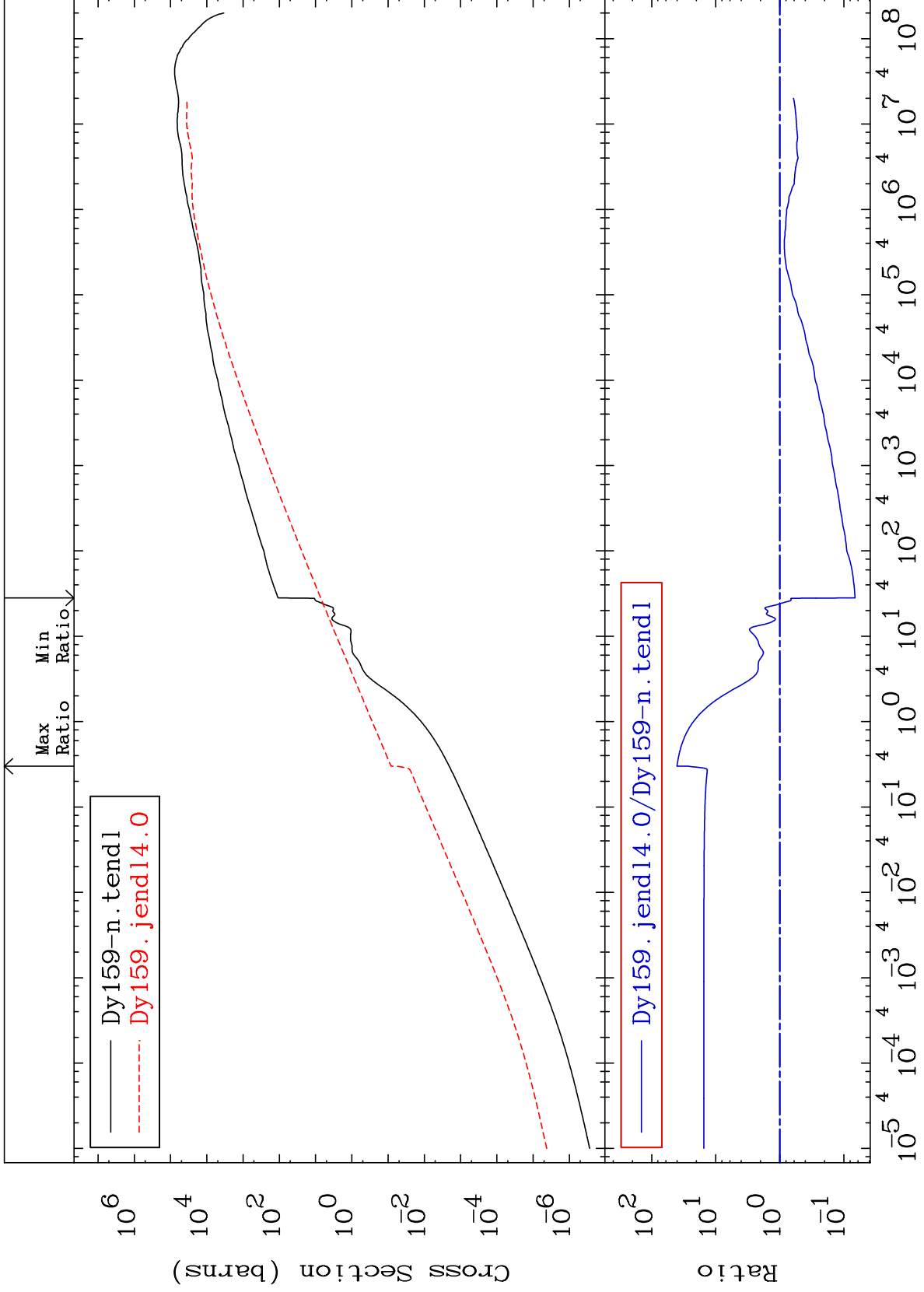
66-Dy-159

50

MAT 6634

Kerma elastic  
Cross Section

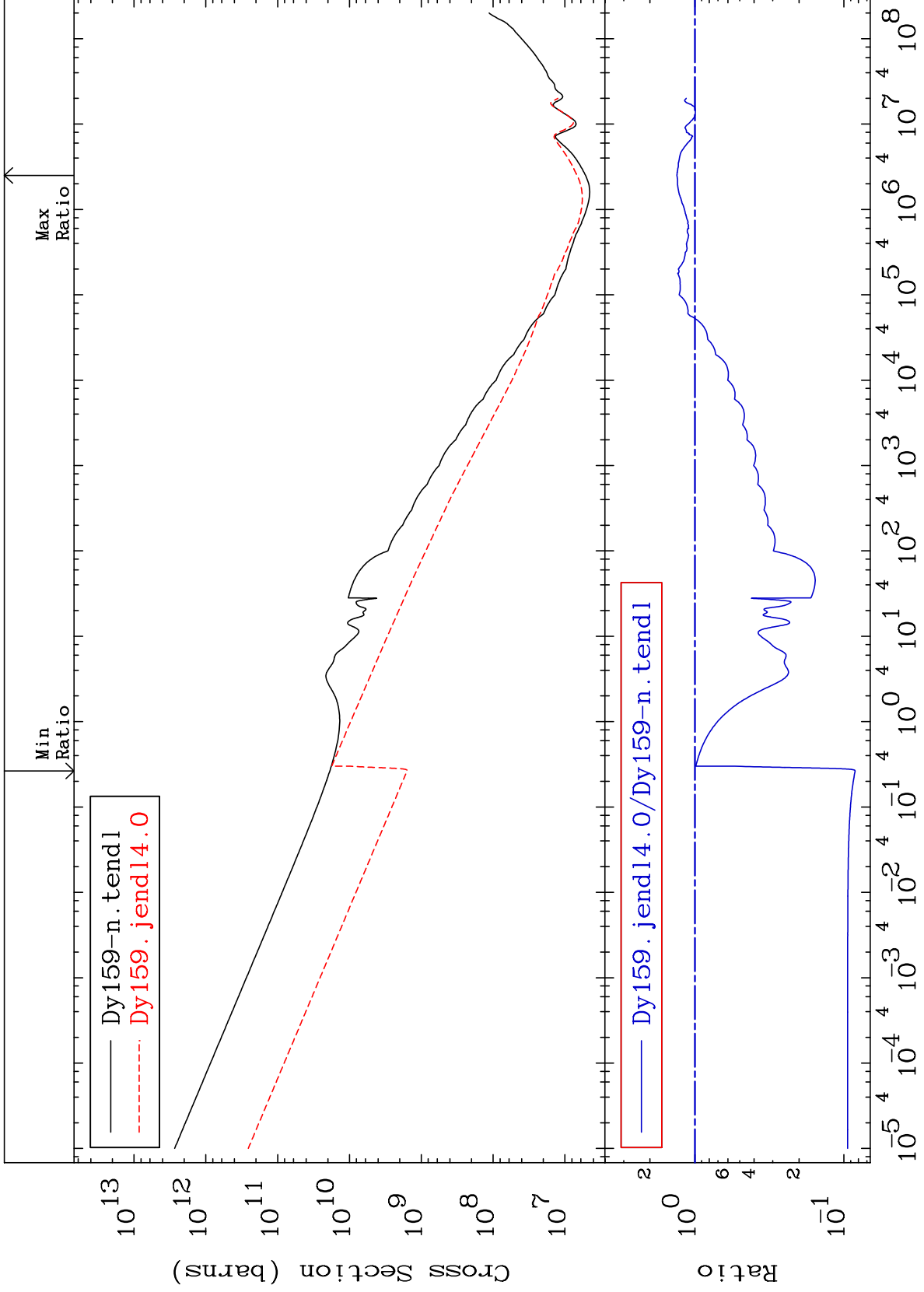
66-Dy-159  
-93.32 To 3936. %

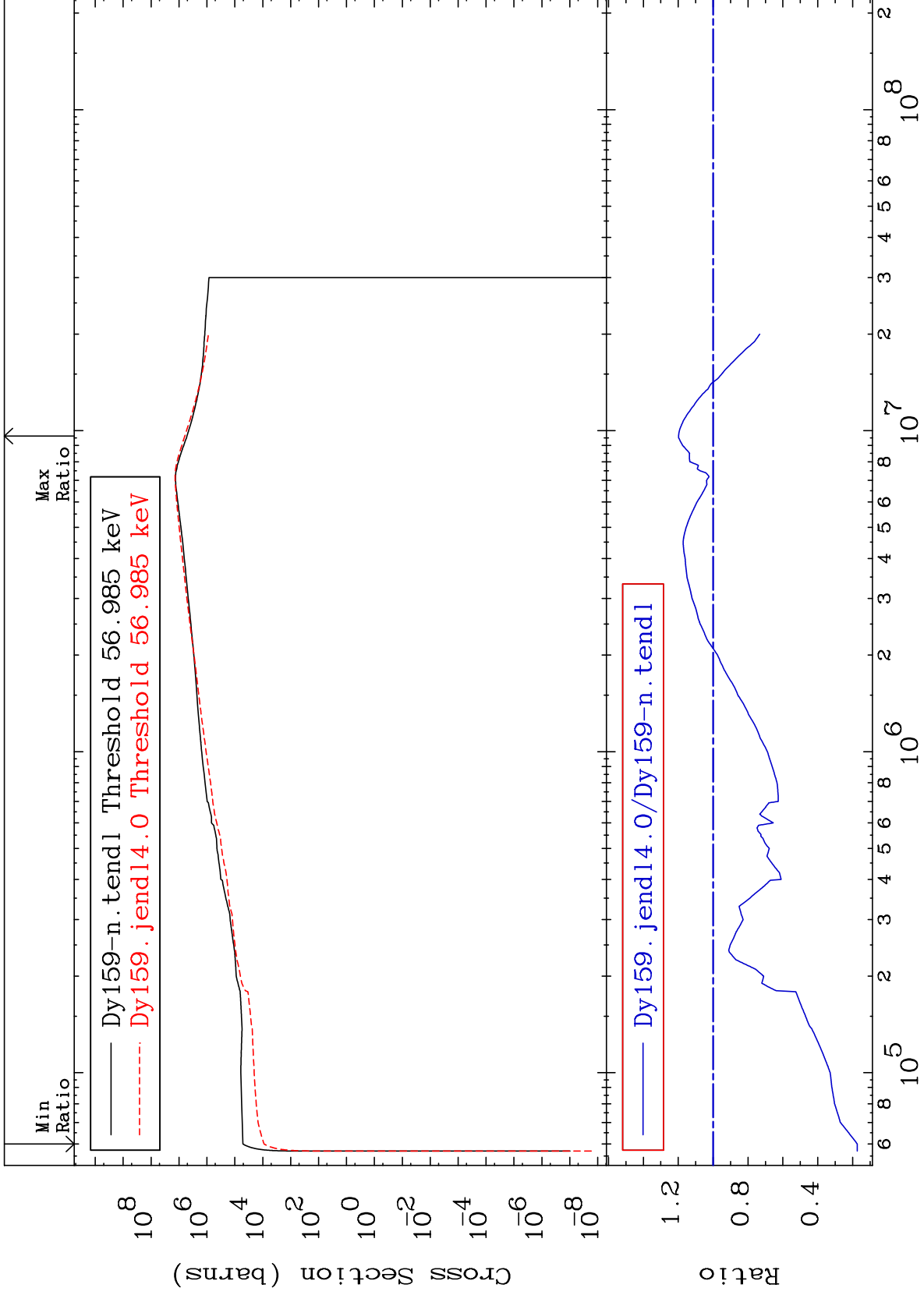


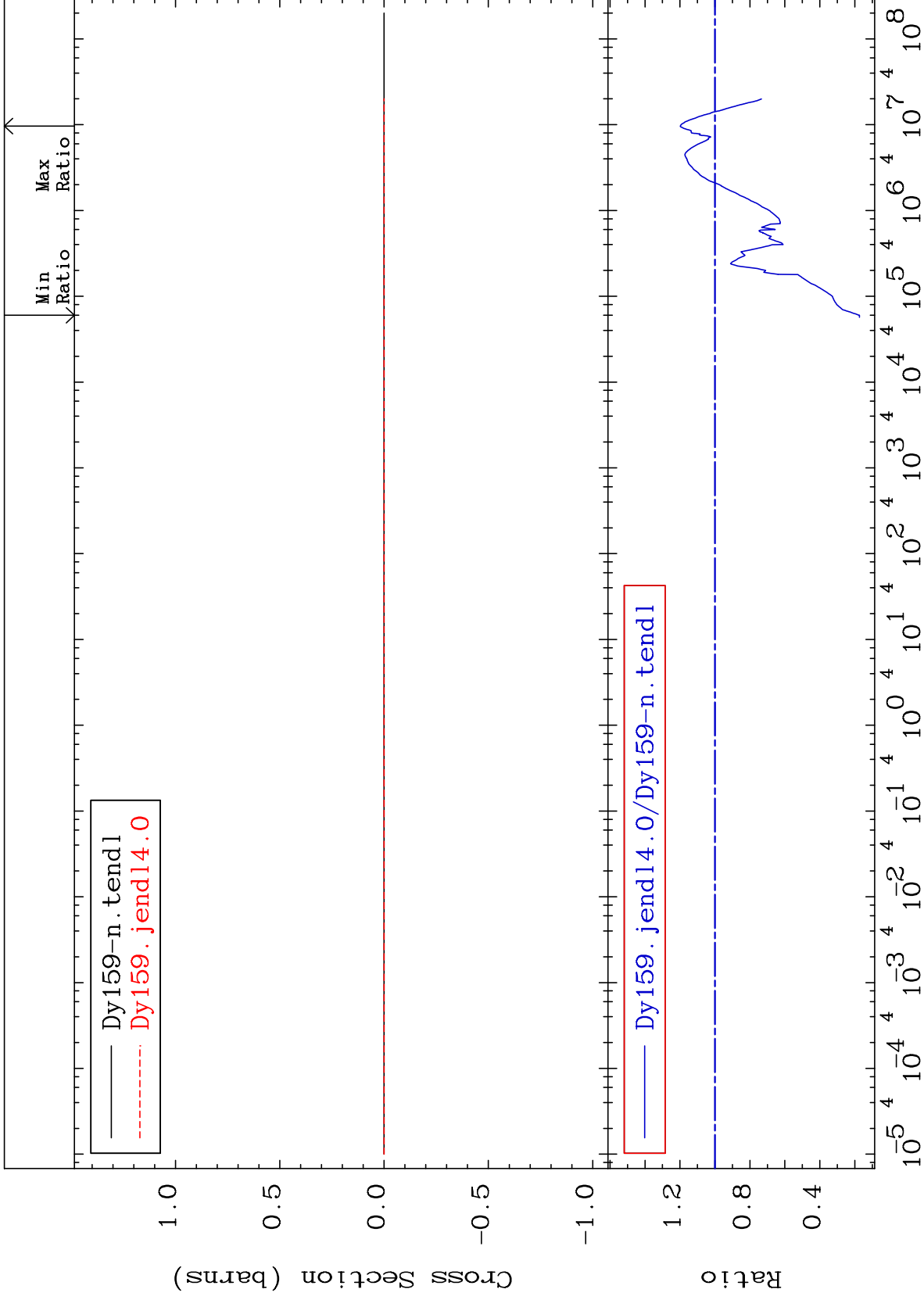
MAT 6634

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-159  
-91.59 To 31.88 %



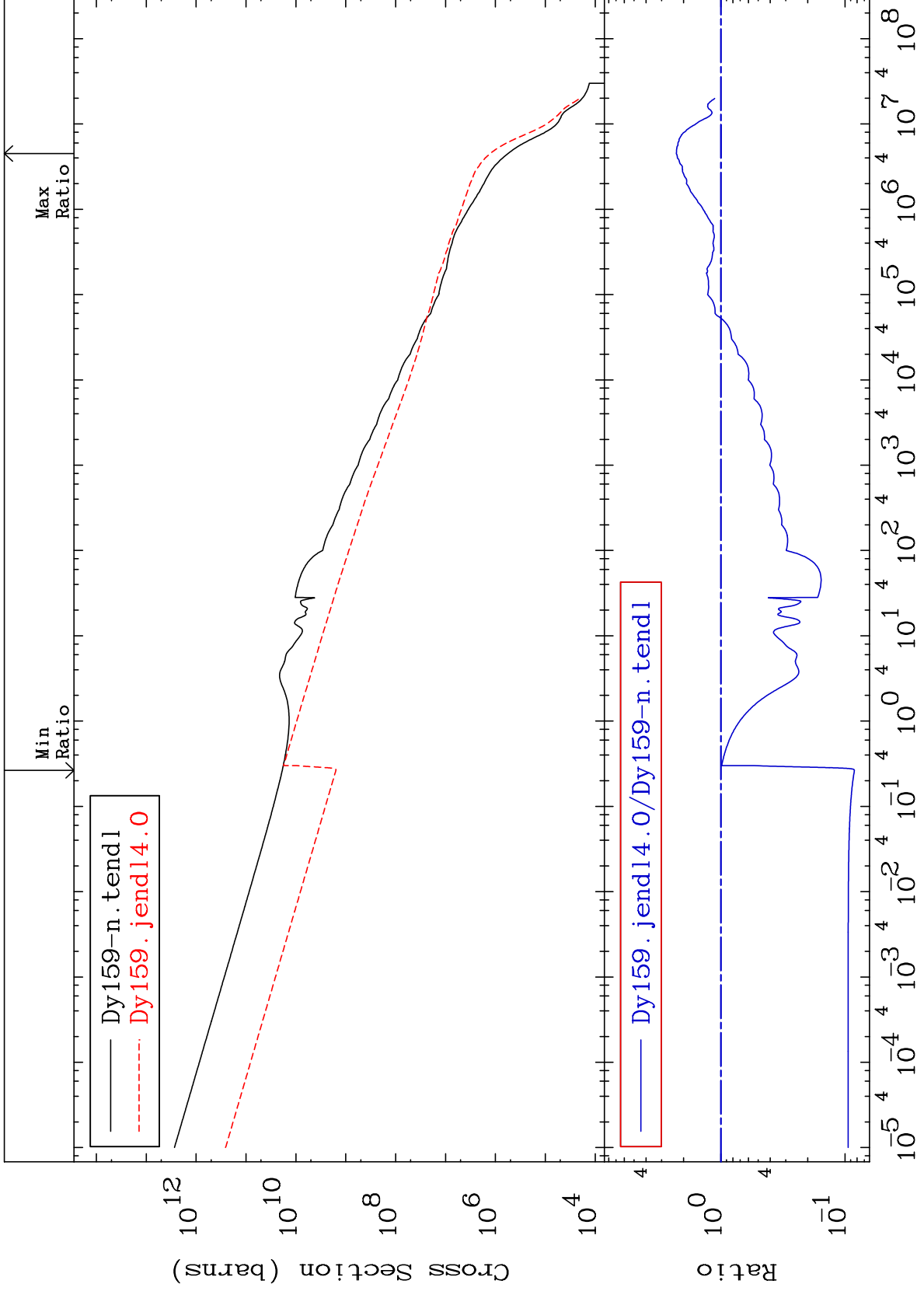




MAT 6634

Kerma capture (mt102)  
Cross Section

66-Dy-159  
-91.59 To 128.2 %



55

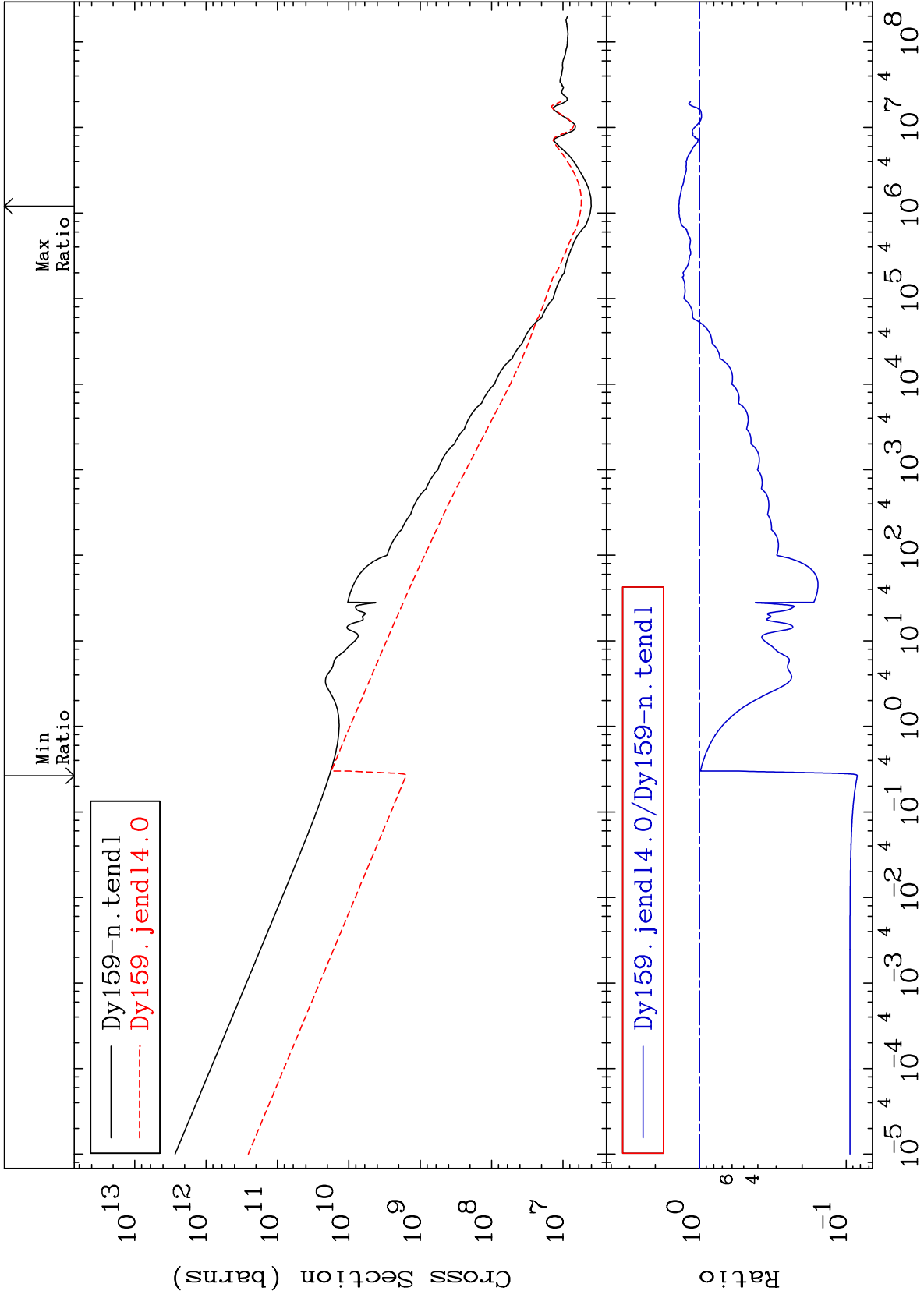
Incident Energy (eV)

66-Dy-159

MAT 6634

Total photon (eV-barns)  
Cross Section

66-Dy-159  
-91.59 To 38.71 %



56

Incident Energy (eV)

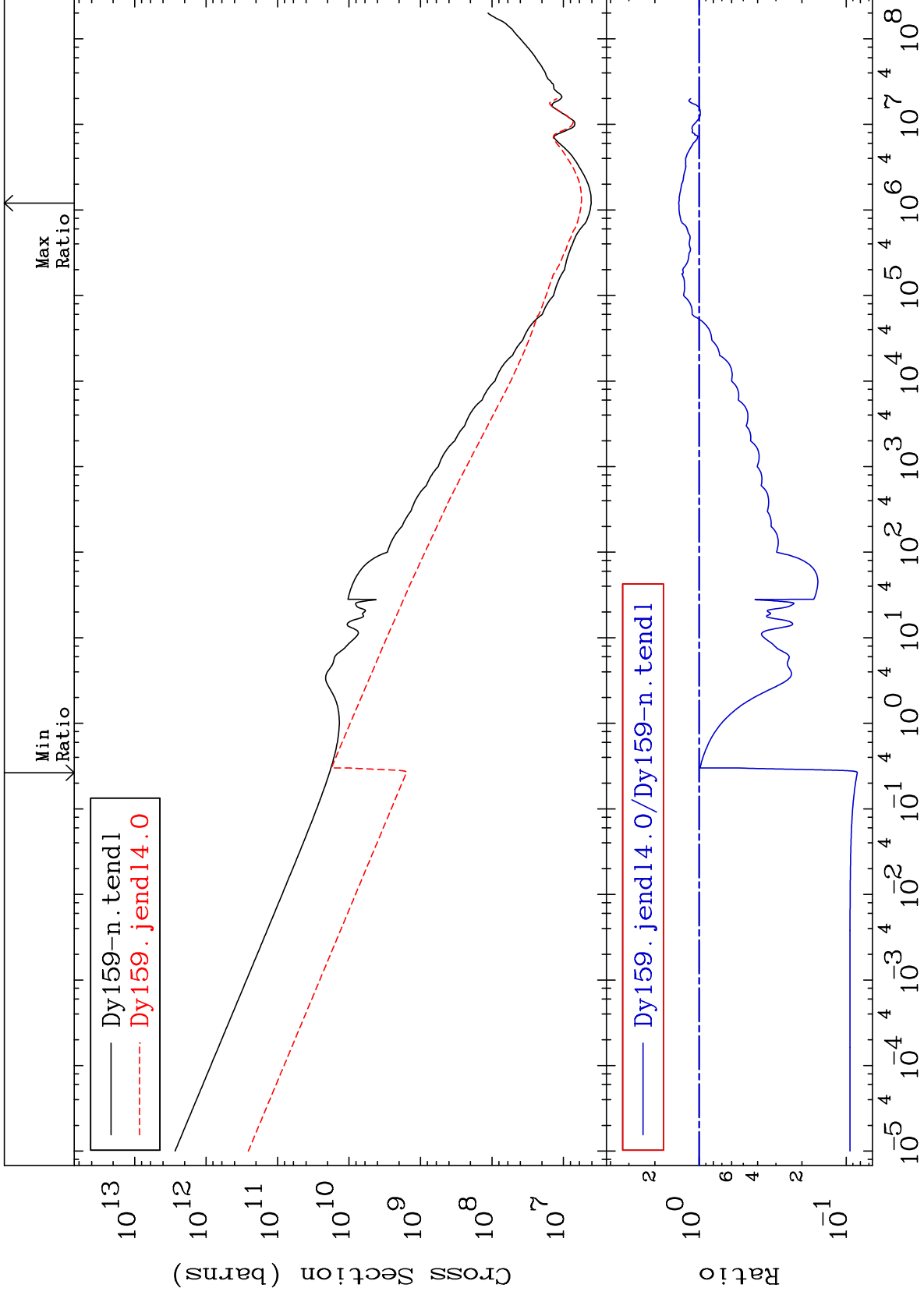
66-Dy-159



MAT 6634

Total kinematic kerma (high limit)  
Cross Section

66-Dy-159  
-91.59 To 37.72 %



57

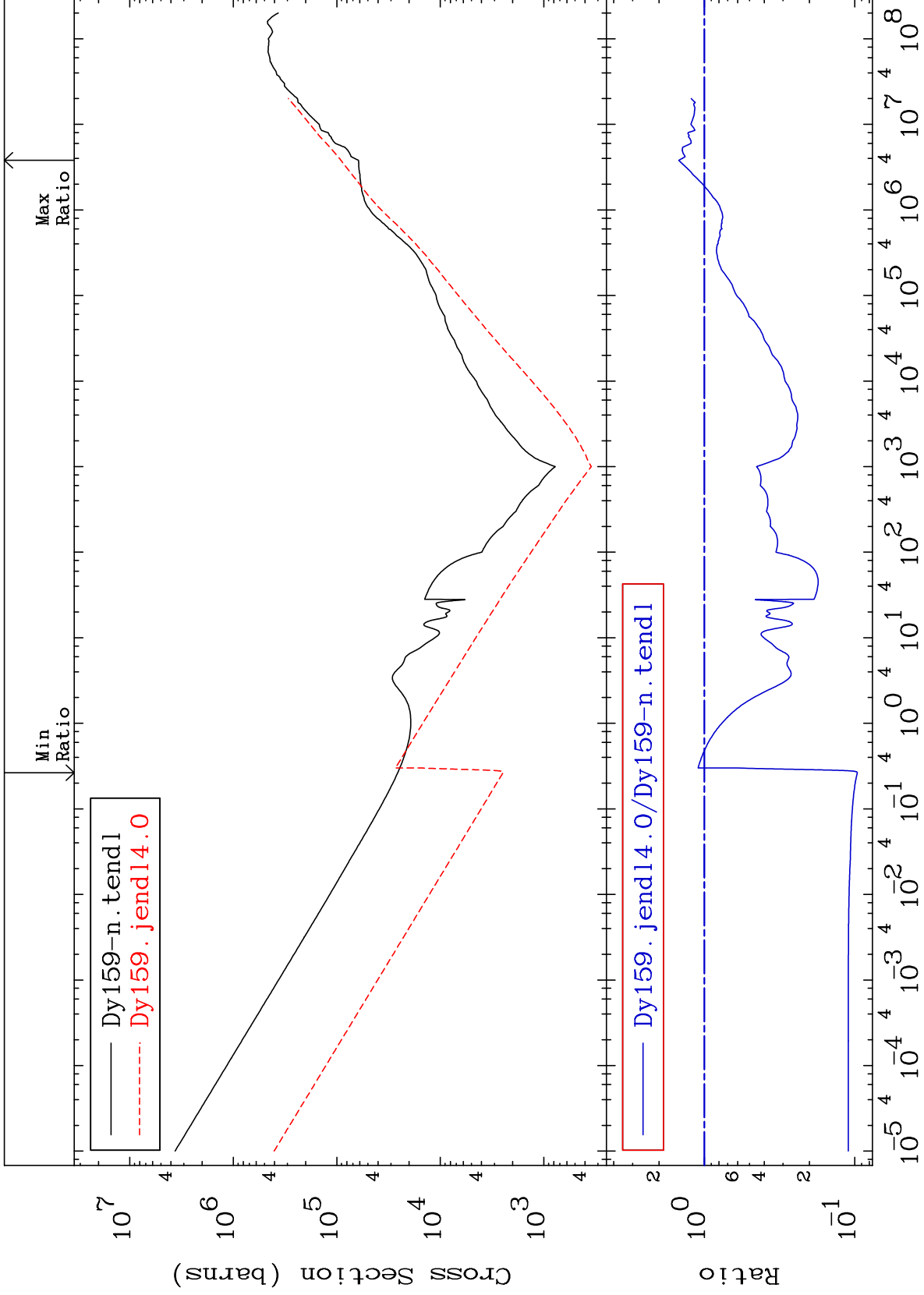
Incident Energy (eV)

66-Dy-159

MAT 6634

Dpa total (eV-barns)  
Cross Section

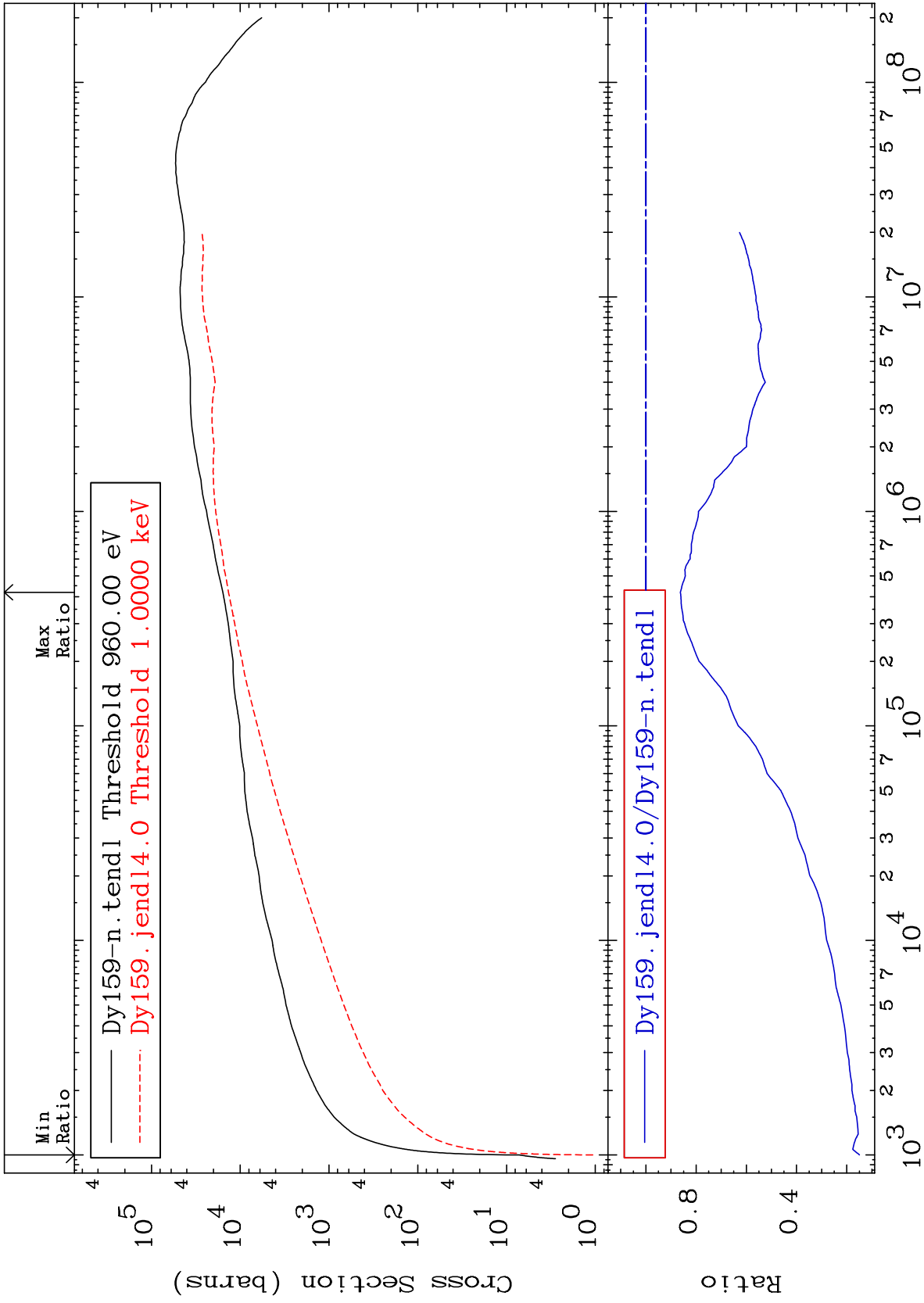
66-Dy-159  
-90.37 To 48.15 %



MAT 6634

Dpa elastic (mt2)  
Cross Section

66-Dy-159  
-85.04 To -13.73%



59

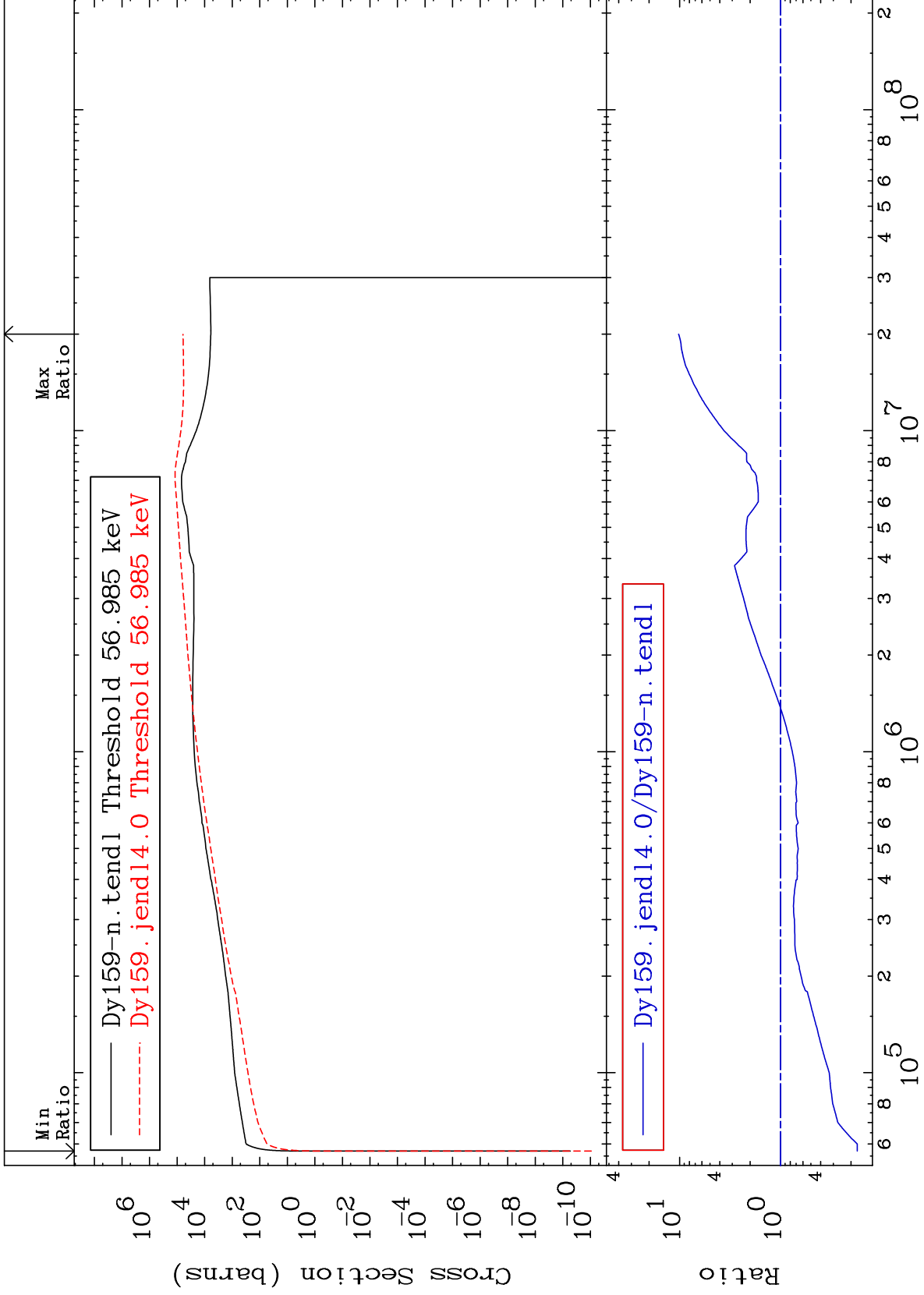
Incident Energy (eV)

66-Dy-159

MAT 6634

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-159  
-82.64 To 920.8 %



60

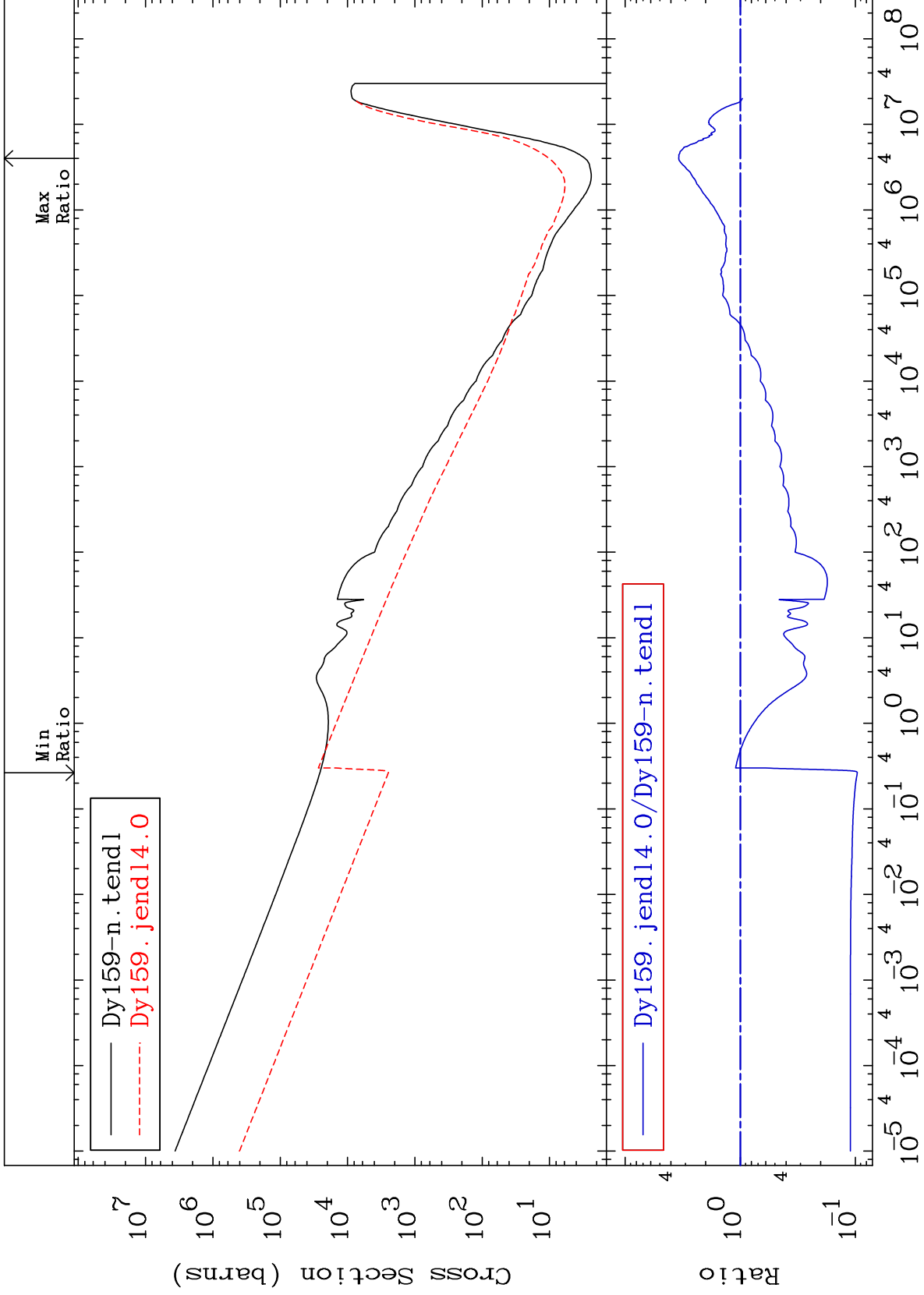
Incident Energy (eV)

66-Dy-159

MAT 6634

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-159  
-90.37 To 243.2 %



61

Incident Energy (eV)

66-Dy-159