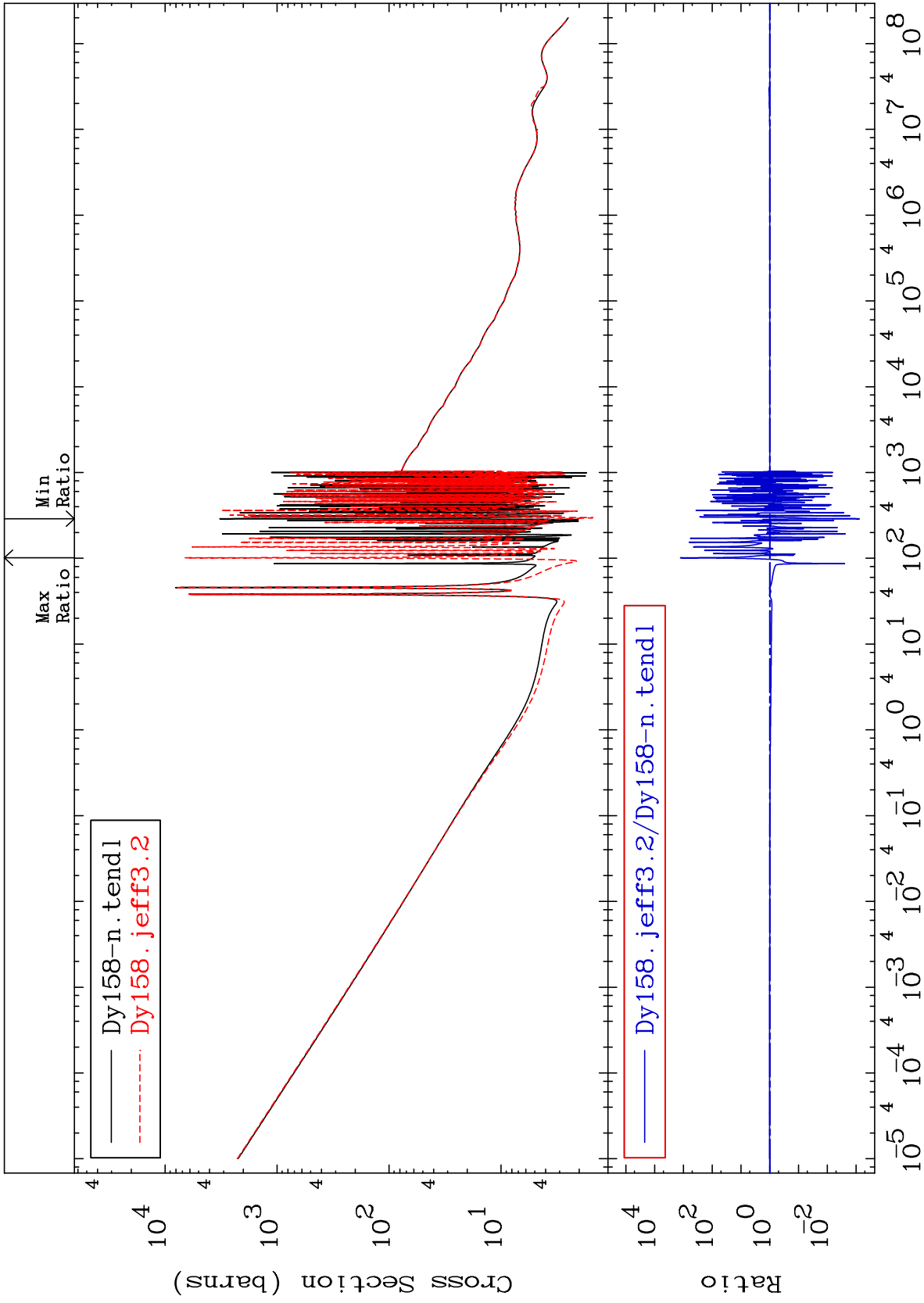


MAT 6631

Total Cross Section  
66-Dy-158  
-99.92 To 9999. %



Incident Energy (eV) 66-Dy-158

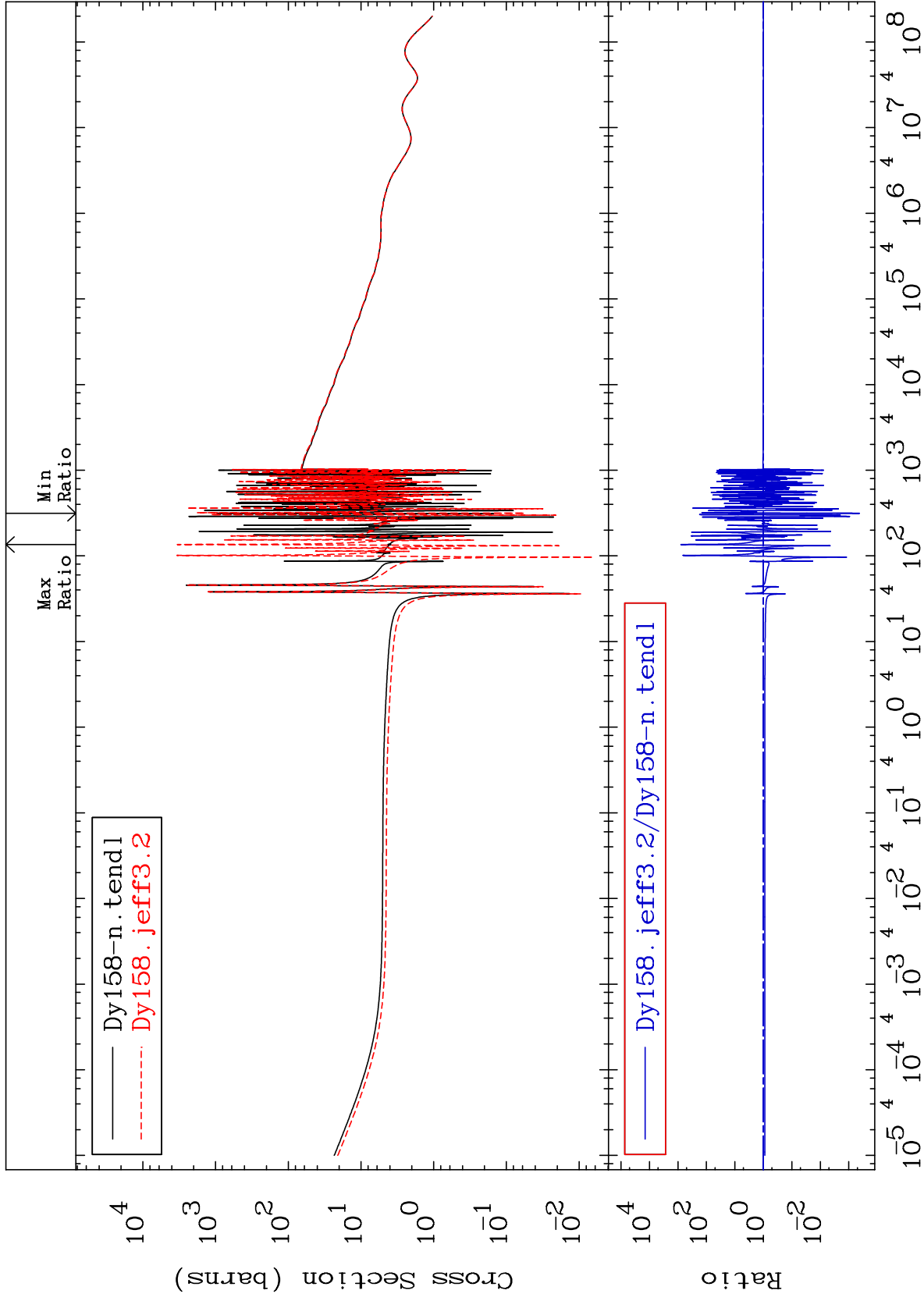
MAT 6631

Elastic

Cross Section

66-Dy-158

-99.96 To 9999. %



2

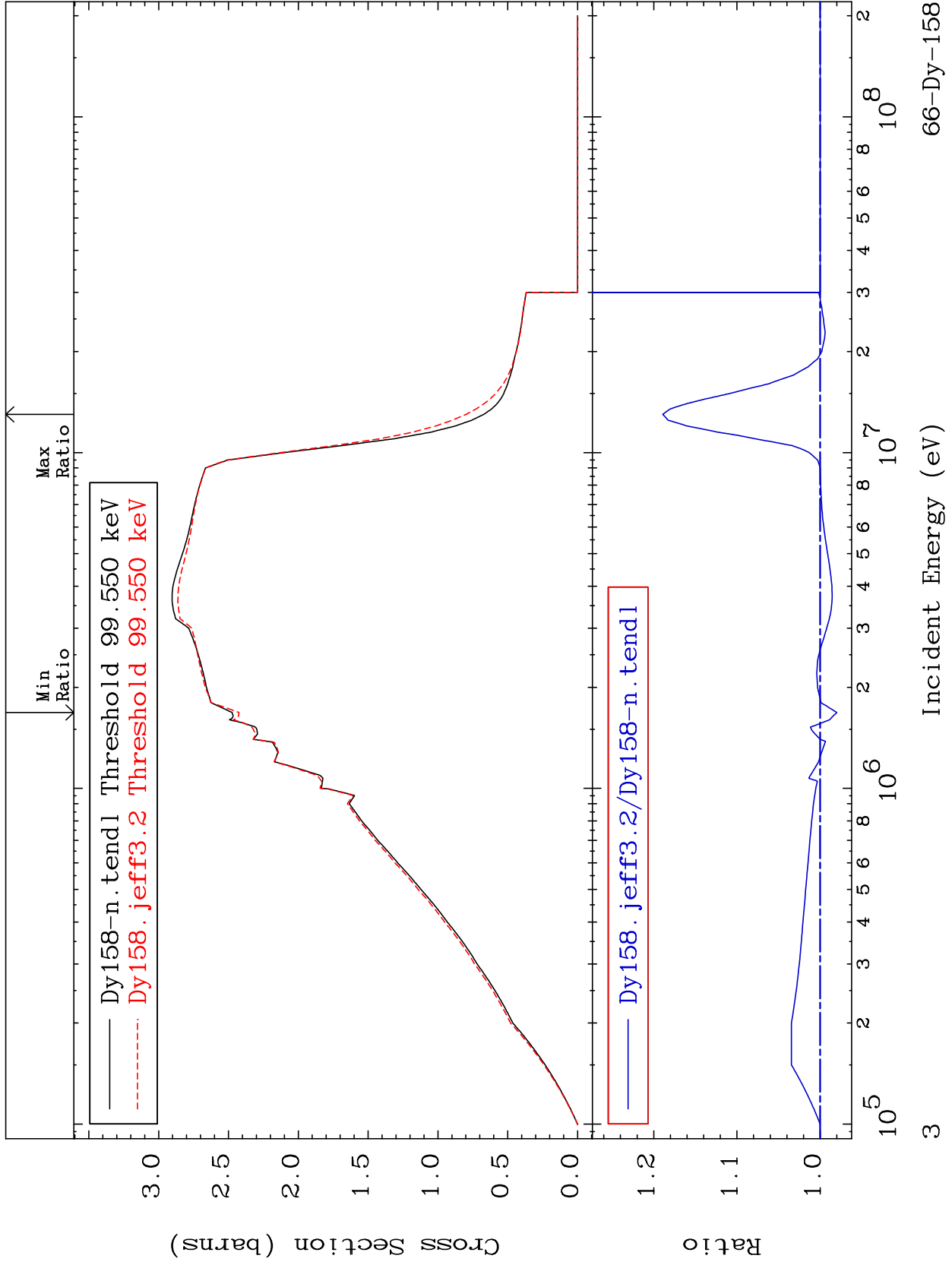
Incident Energy (eV)

66-Dy-158

MAT 6631

Inelastic  
Cross Section

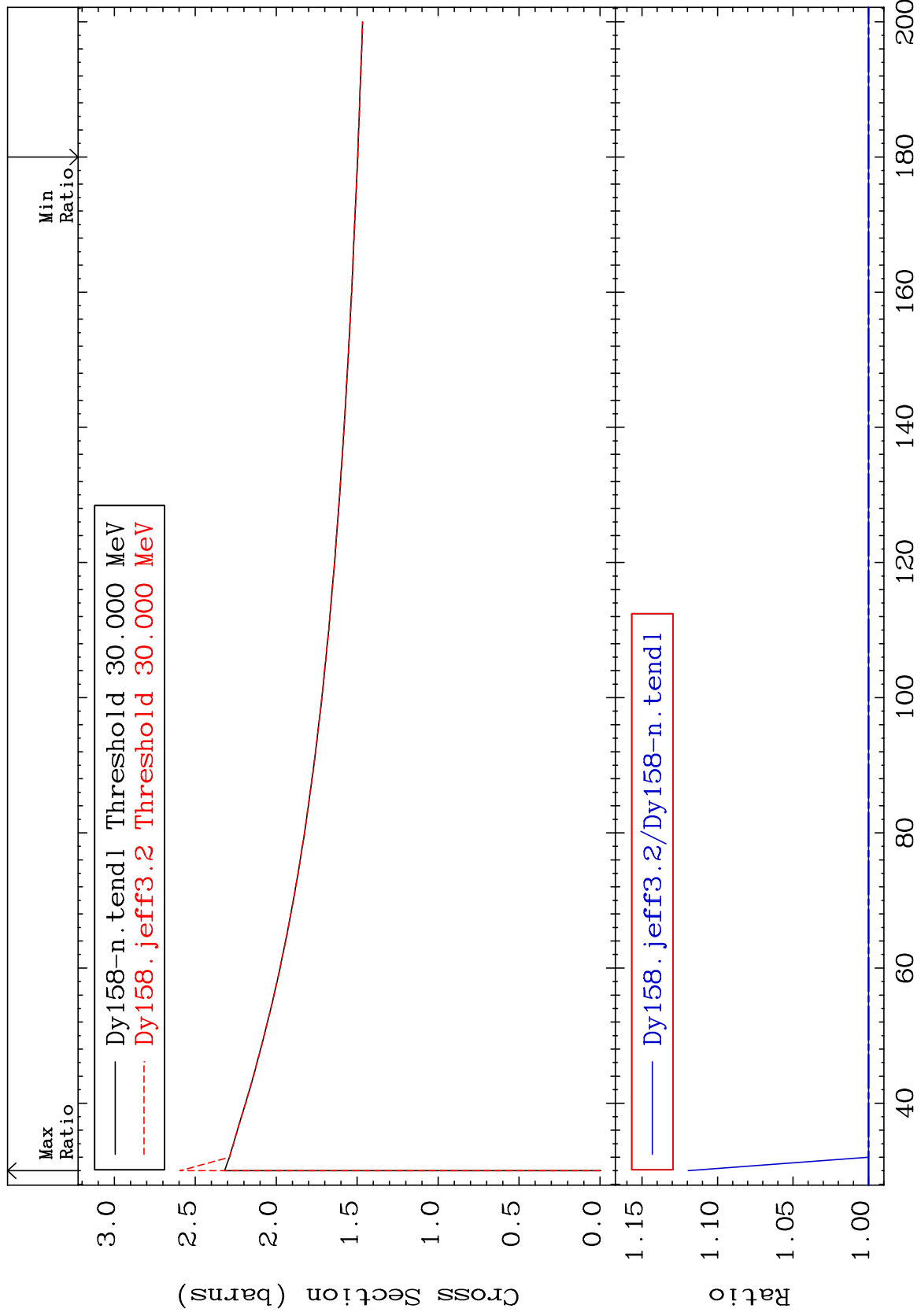
66-Dy-158  
-2.001 To 18.92 %



MAT 6631

(n, remainder)  
Cross Section

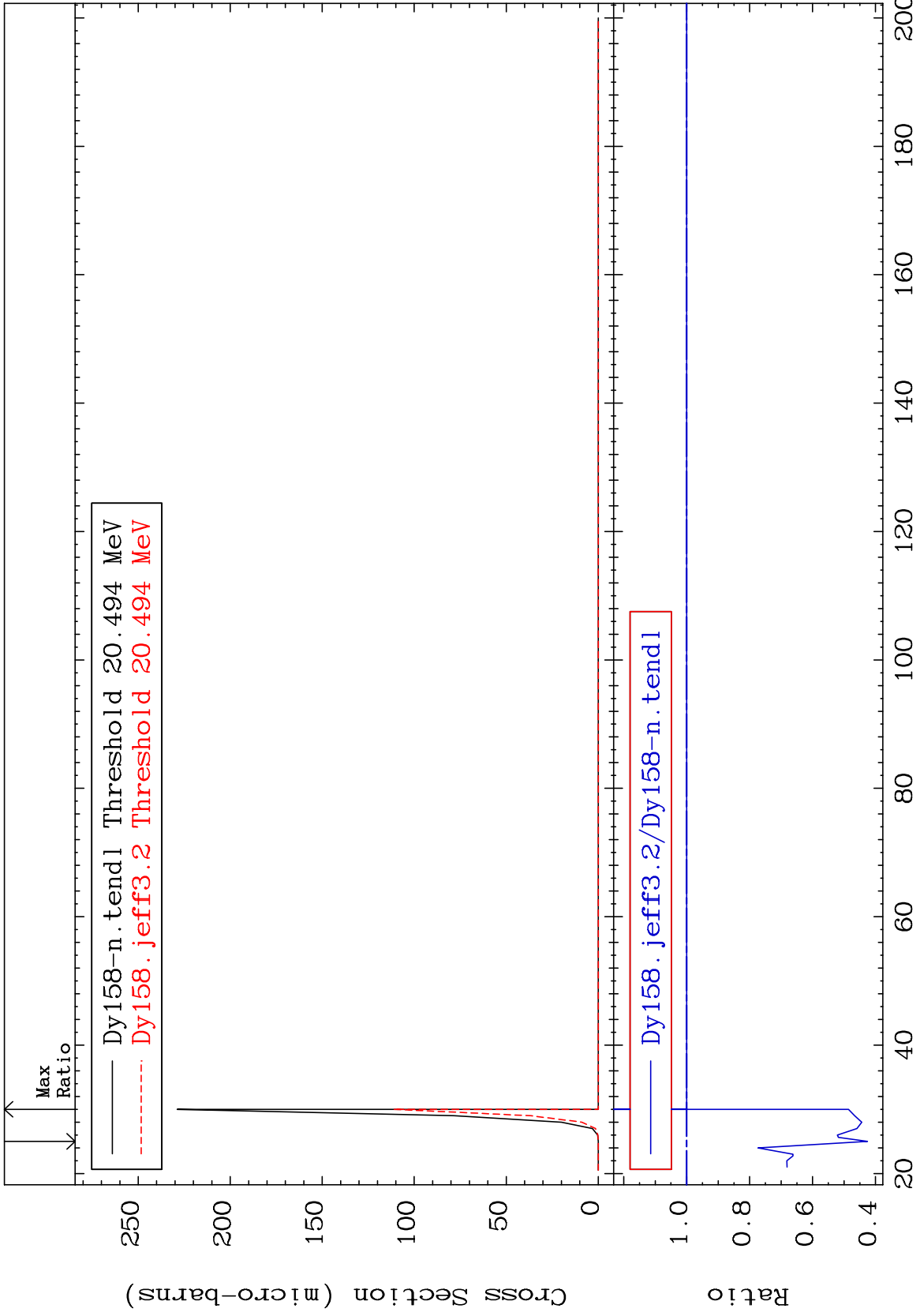
66-Dy-158  
-0.003 To 11.94 %



MAT 6631

(n,2n) d  
Cross Section

66-Dy-158  
-57.43 To 0.000 %



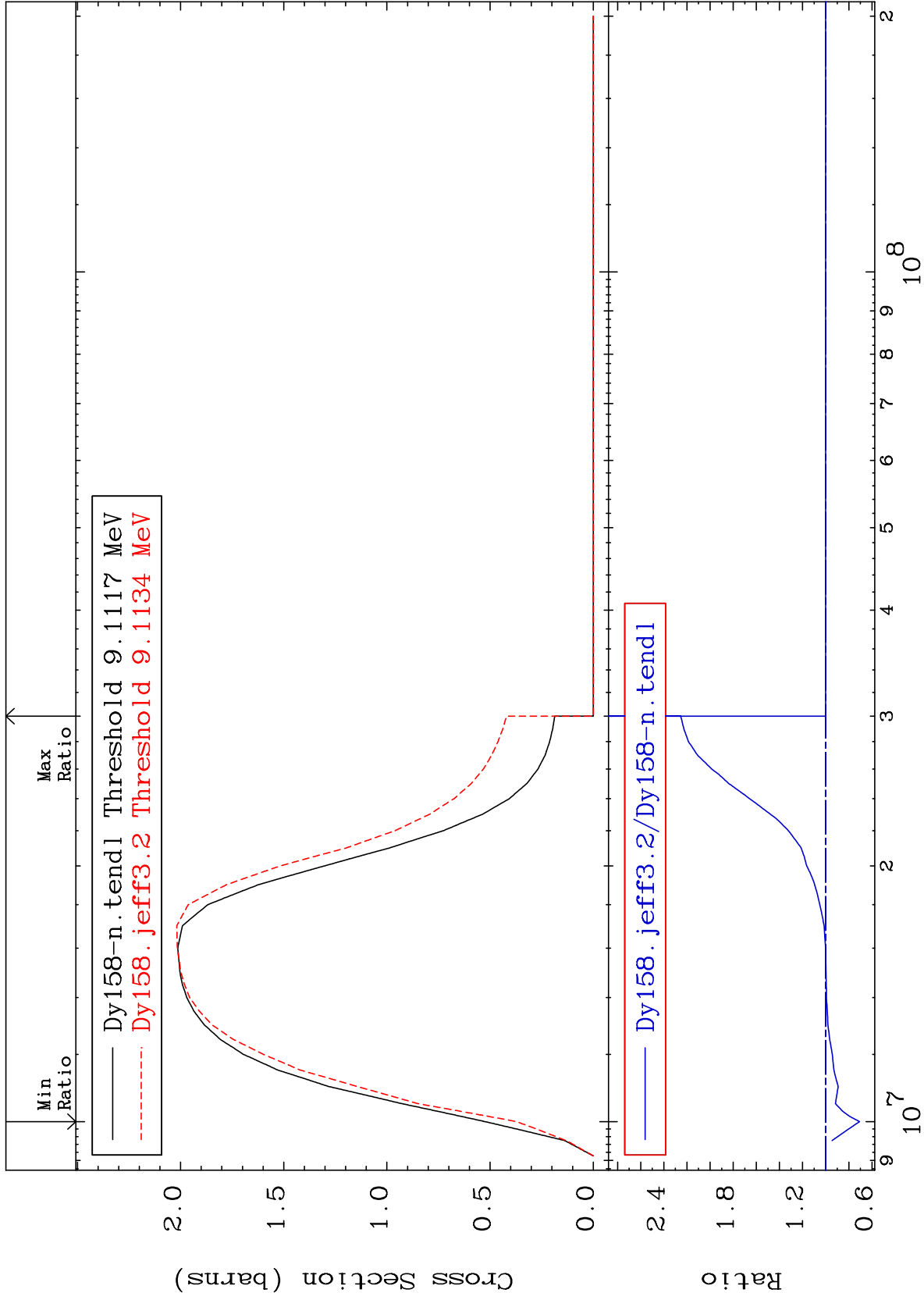
MAT 6631

(n,2n)

66-Dy-158

Cross Section

-29.27 To 125.3 %



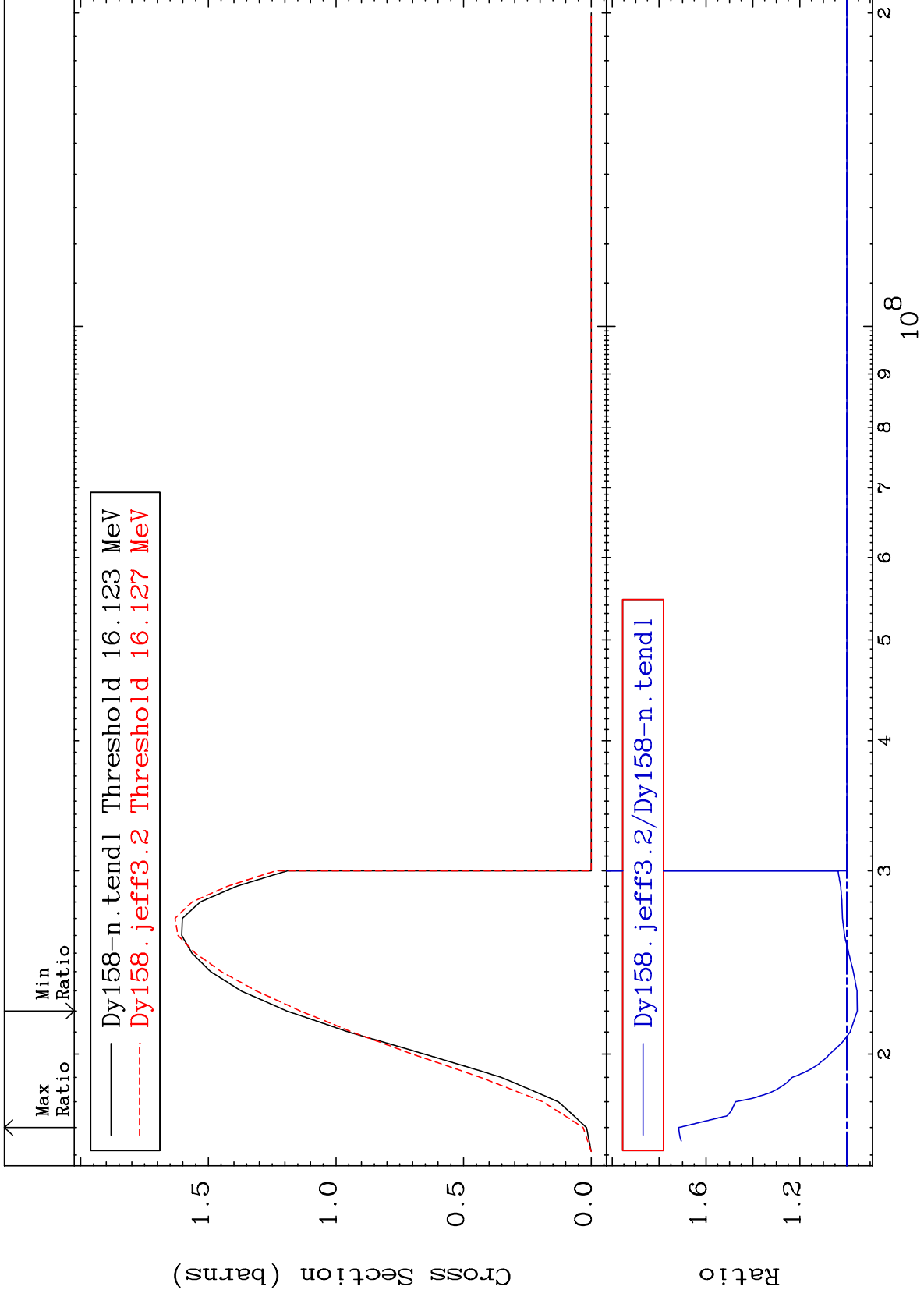
66-Dy-158

66-Dy-158

MAT 6631

(n,3n)  
Cross Section

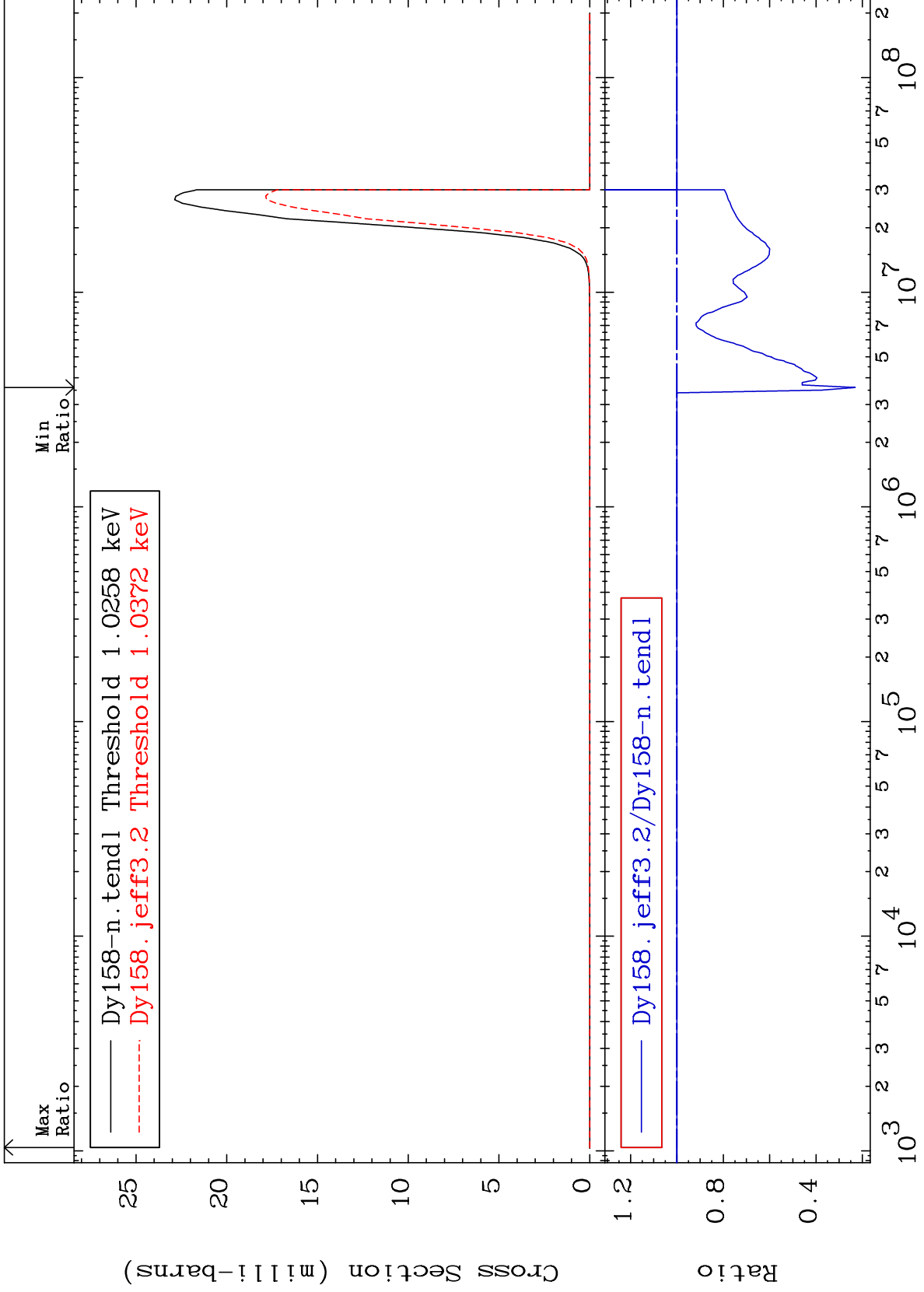
66-Dy-158  
-4.470 To 71.67 %



MAT 6631

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

66-Dy-158  
-76.87 To 0.000 %

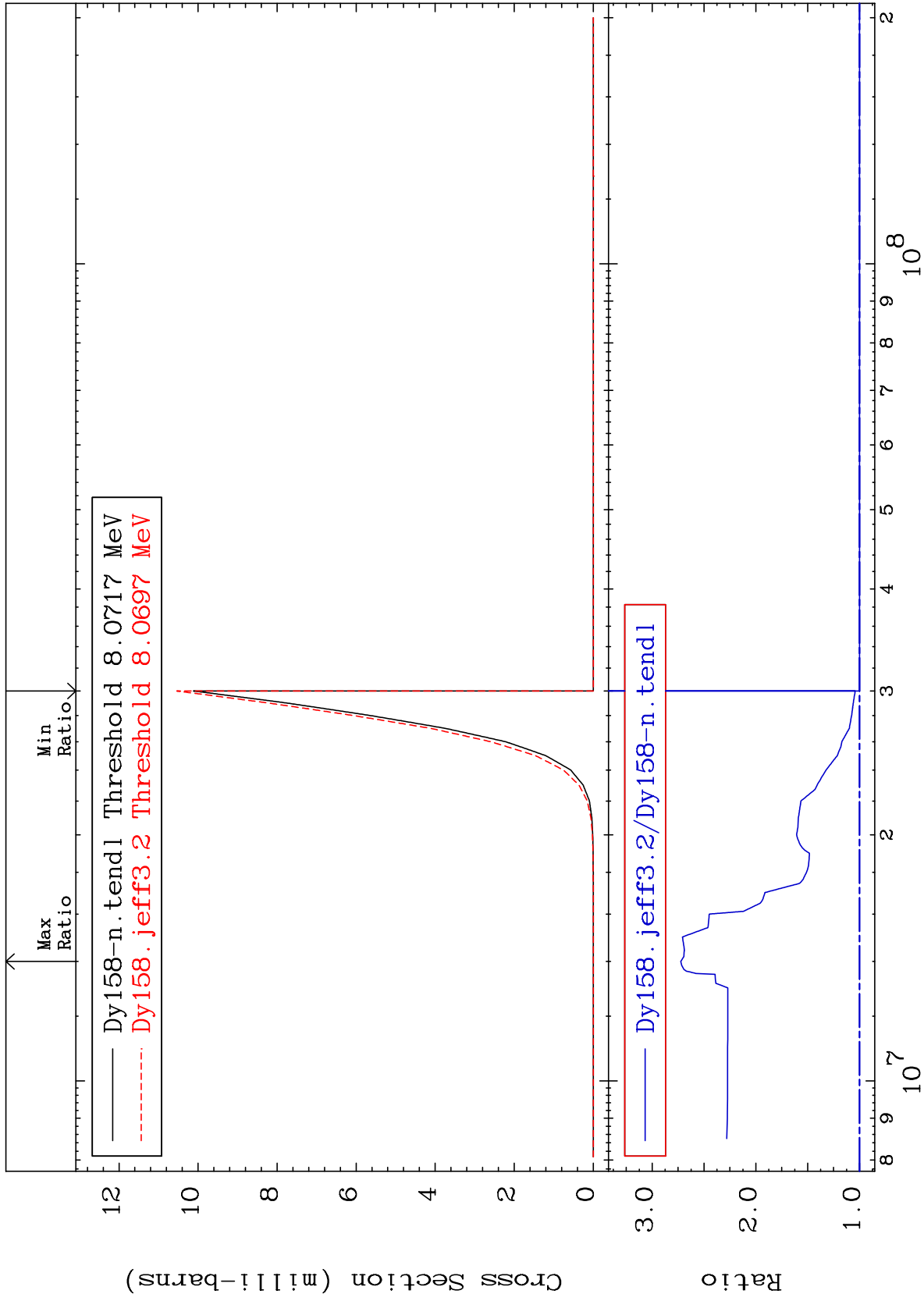


66-Dy-158



MAT 6631

(n,2n)  $\alpha$   
Cross Section  
0.000 To 172.4 %  
66-Dy-158



9

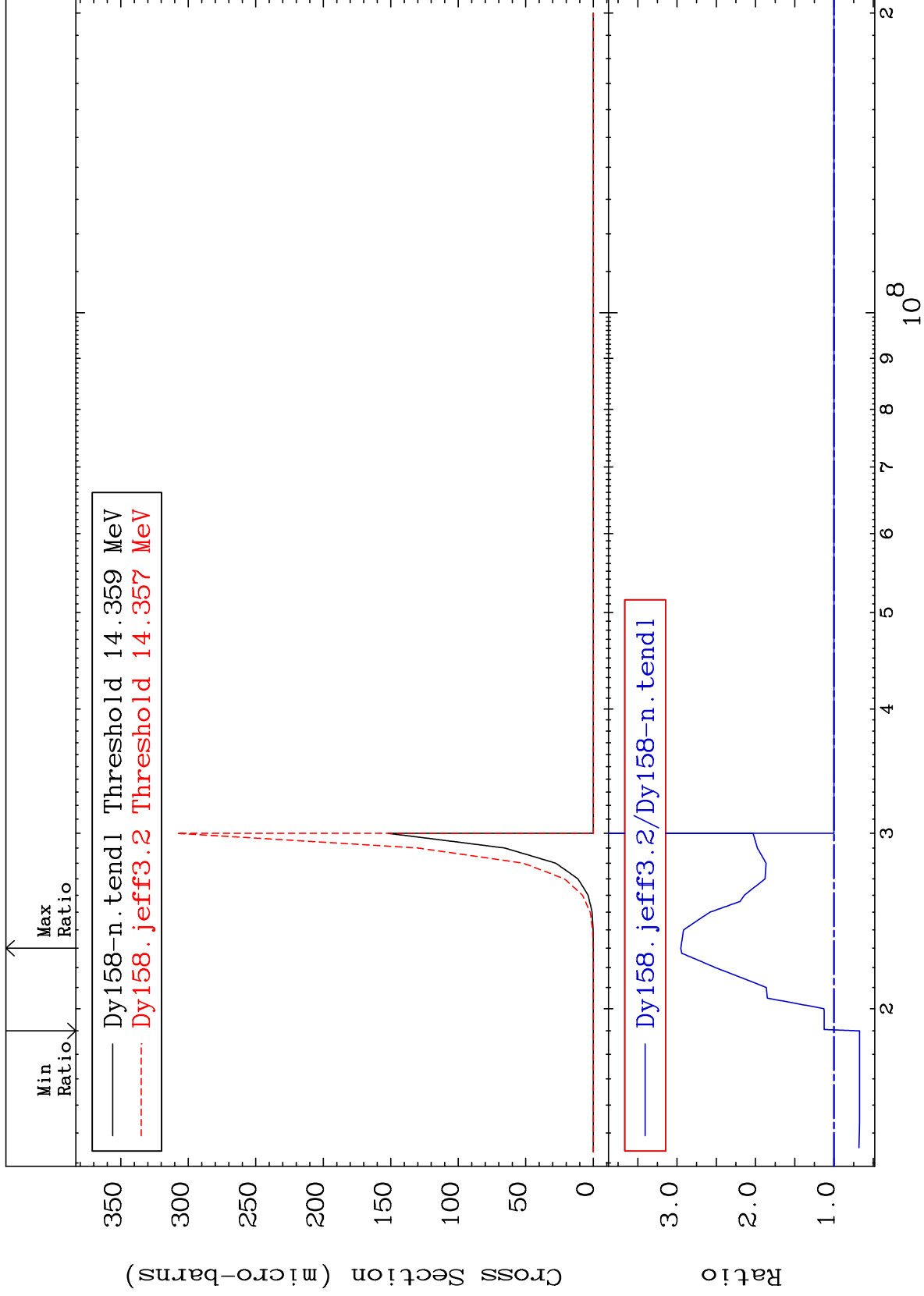
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158  
-32.55 To 195.2 %



10

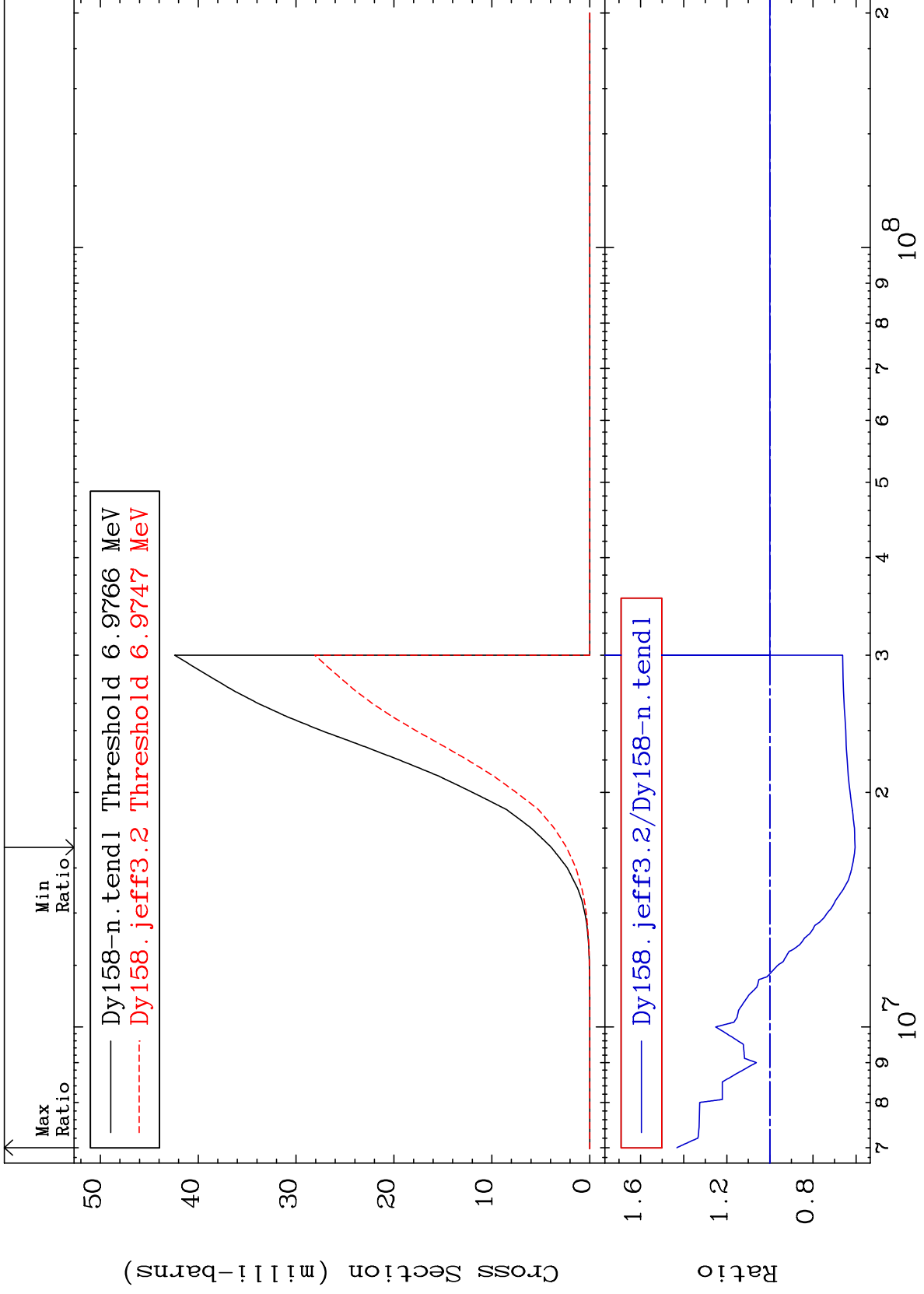
Incident Energy (eV)

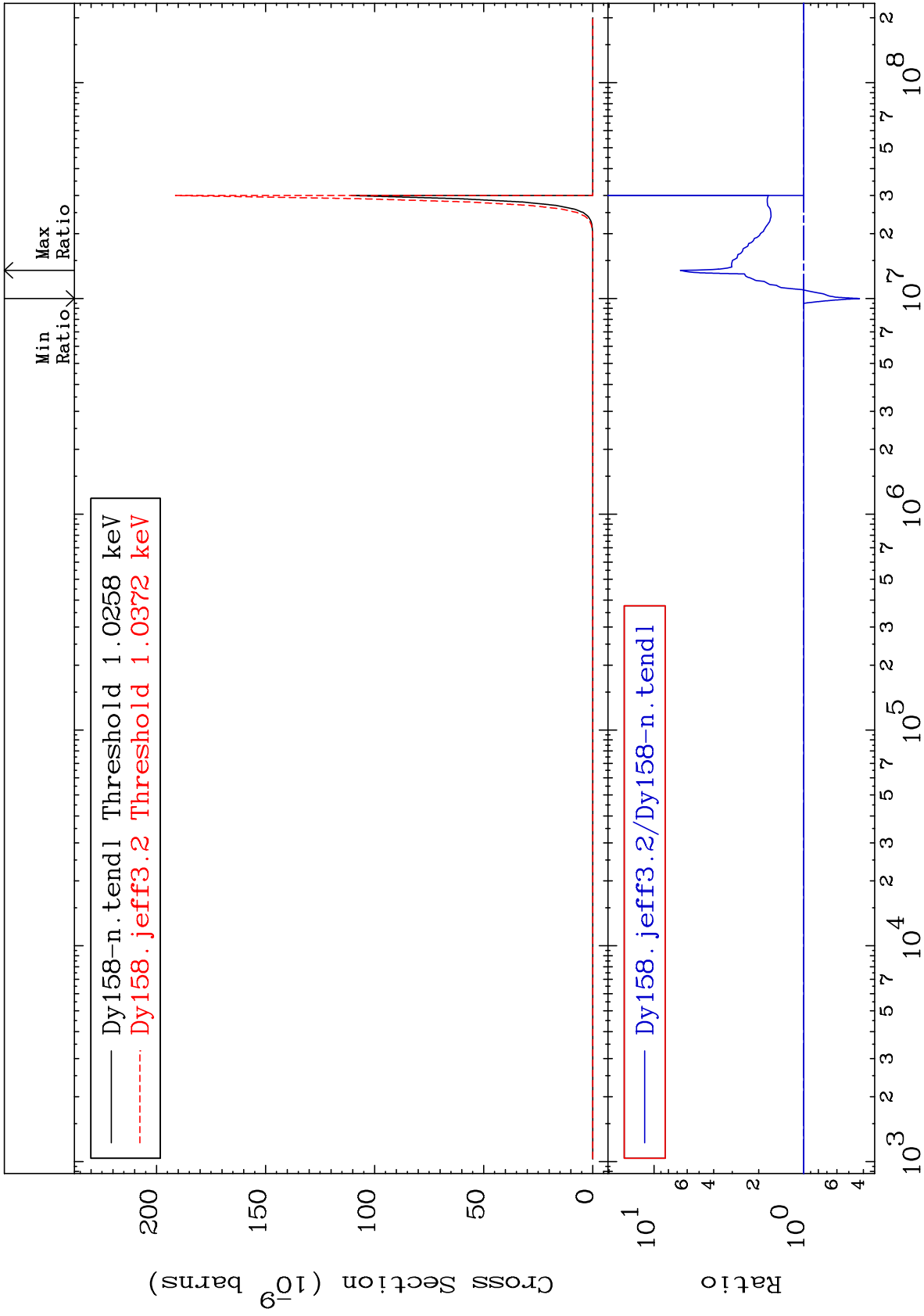
66-Dy-158

MAT 6631

(n,n') p  
Cross Section

66-Dy-158  
-39.55 To 43.15 %

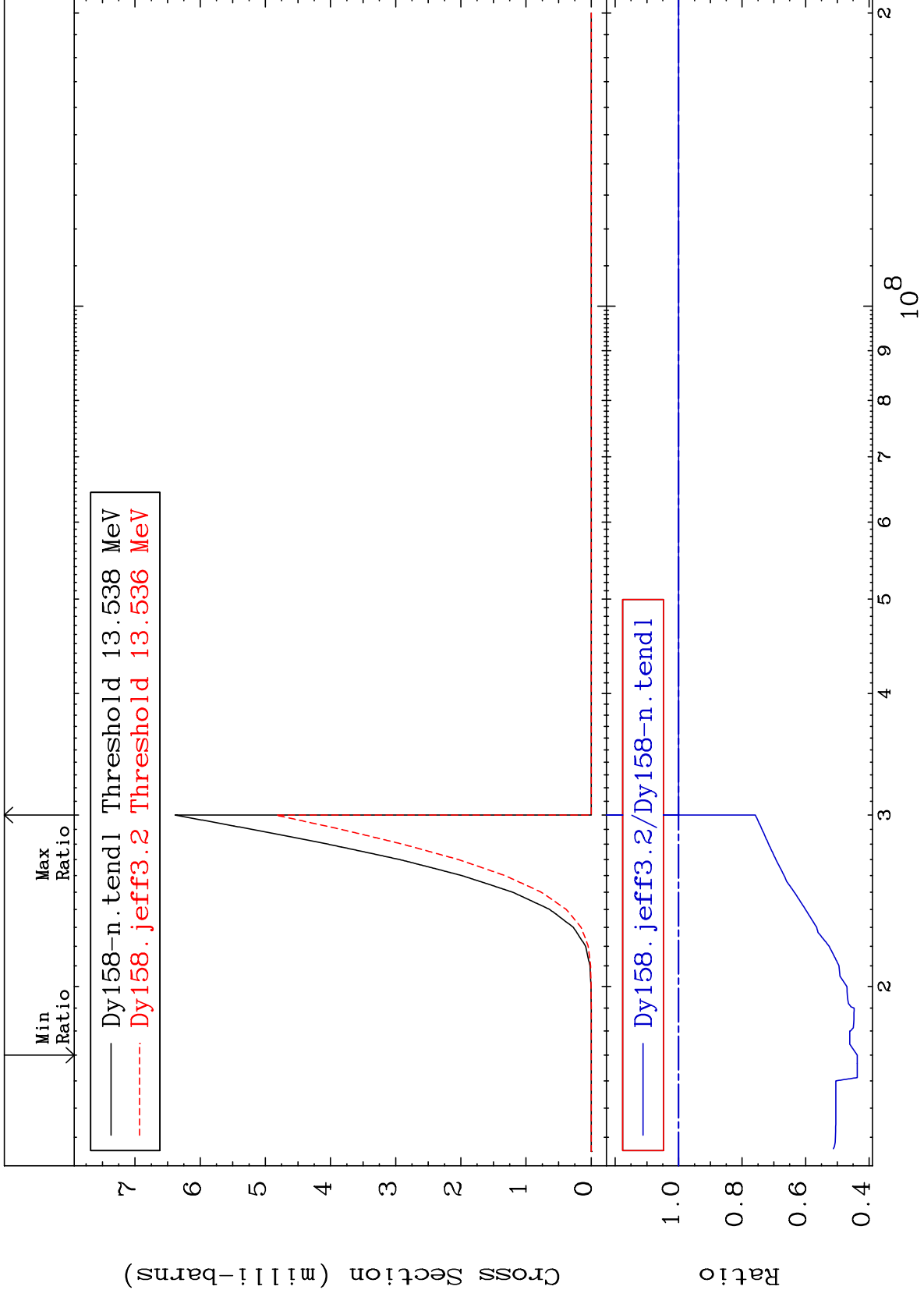




MAT 6631

(n, n') d  
Cross Section

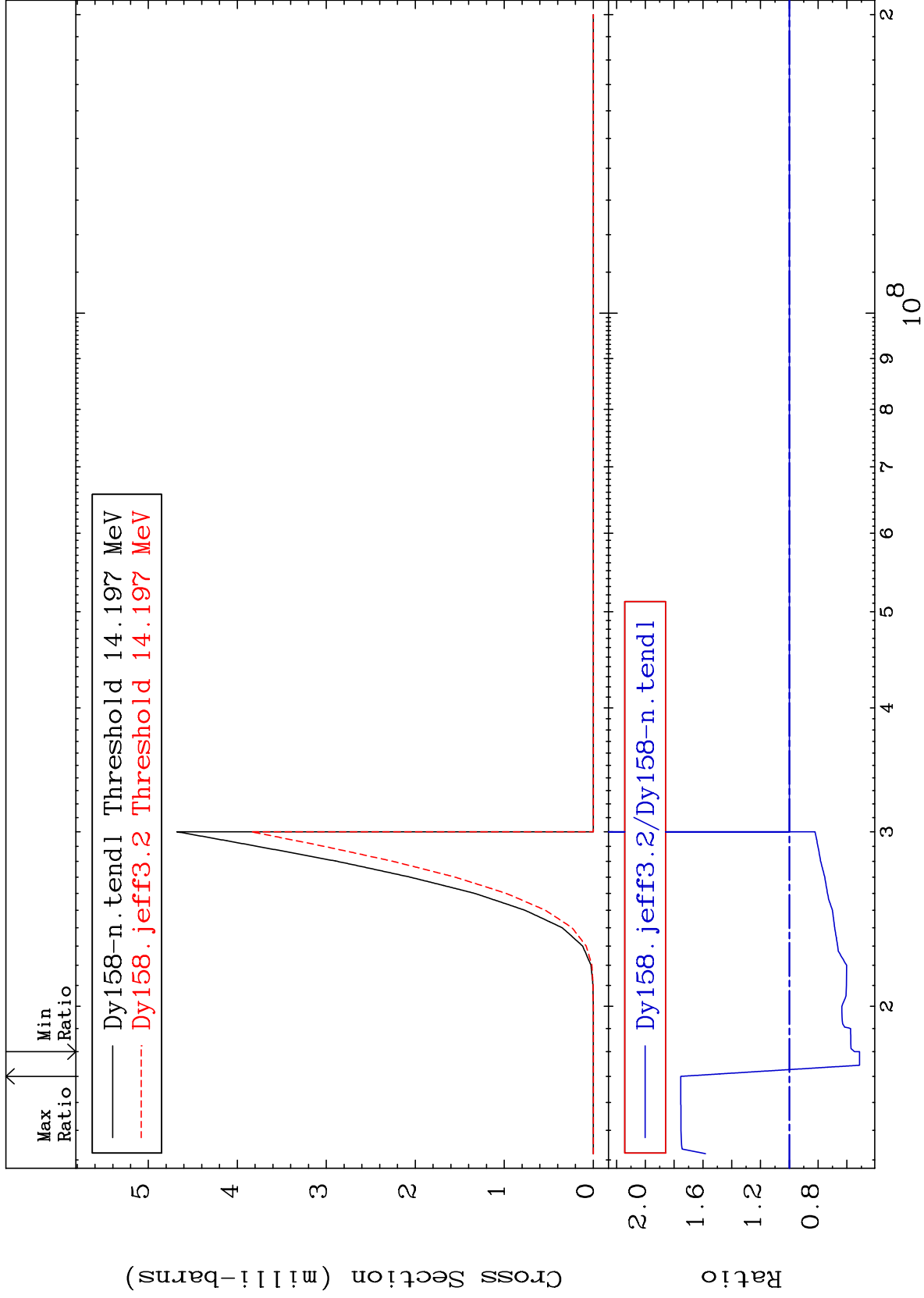
66-Dy-158  
-56.28 To 0.000 %



MAT 6631

(n,n') t  
Cross Section

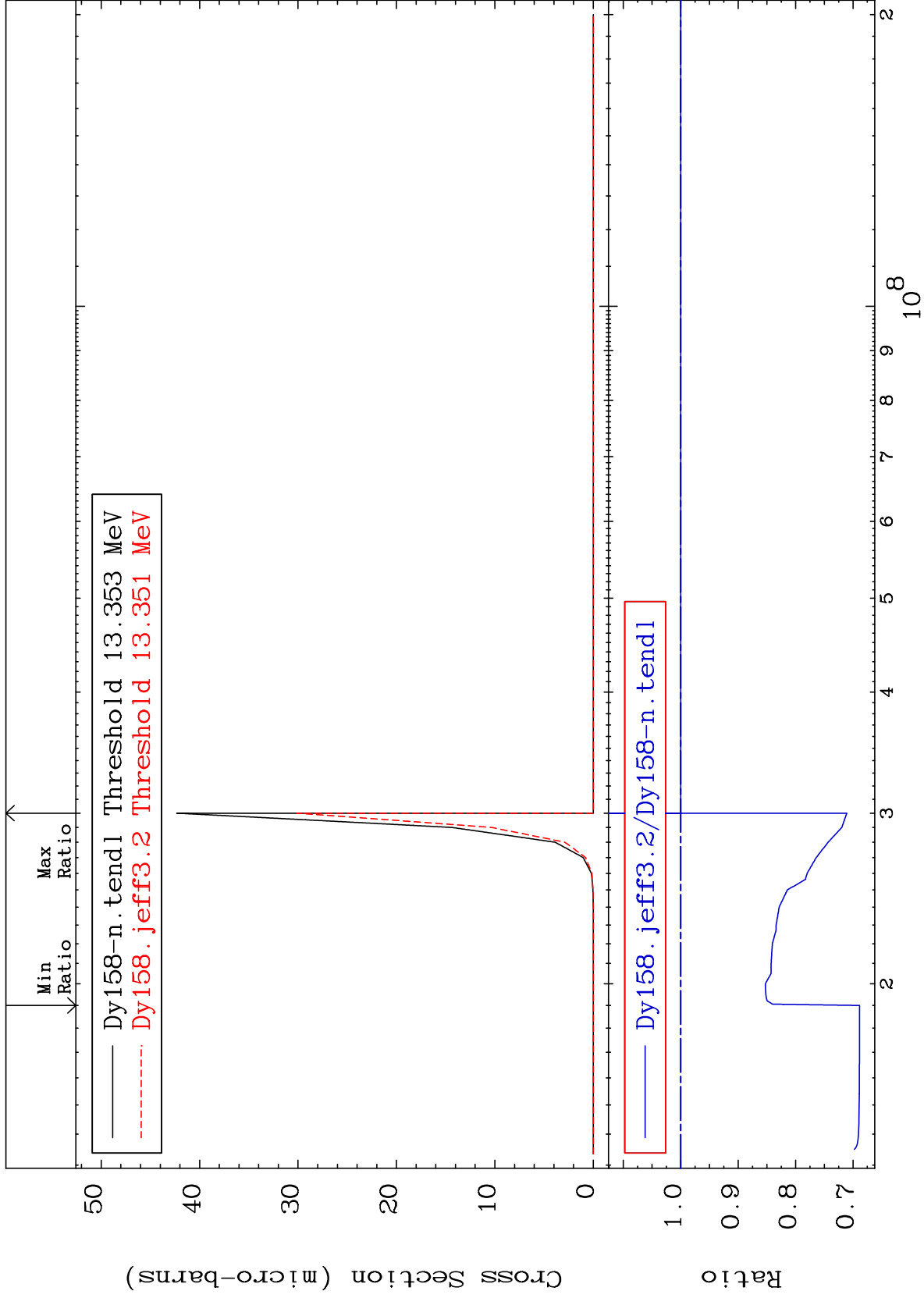
66-Dy-158  
-48.75 To 75.40 %



MAT 6631

(n, n') He-3  
Cross Section

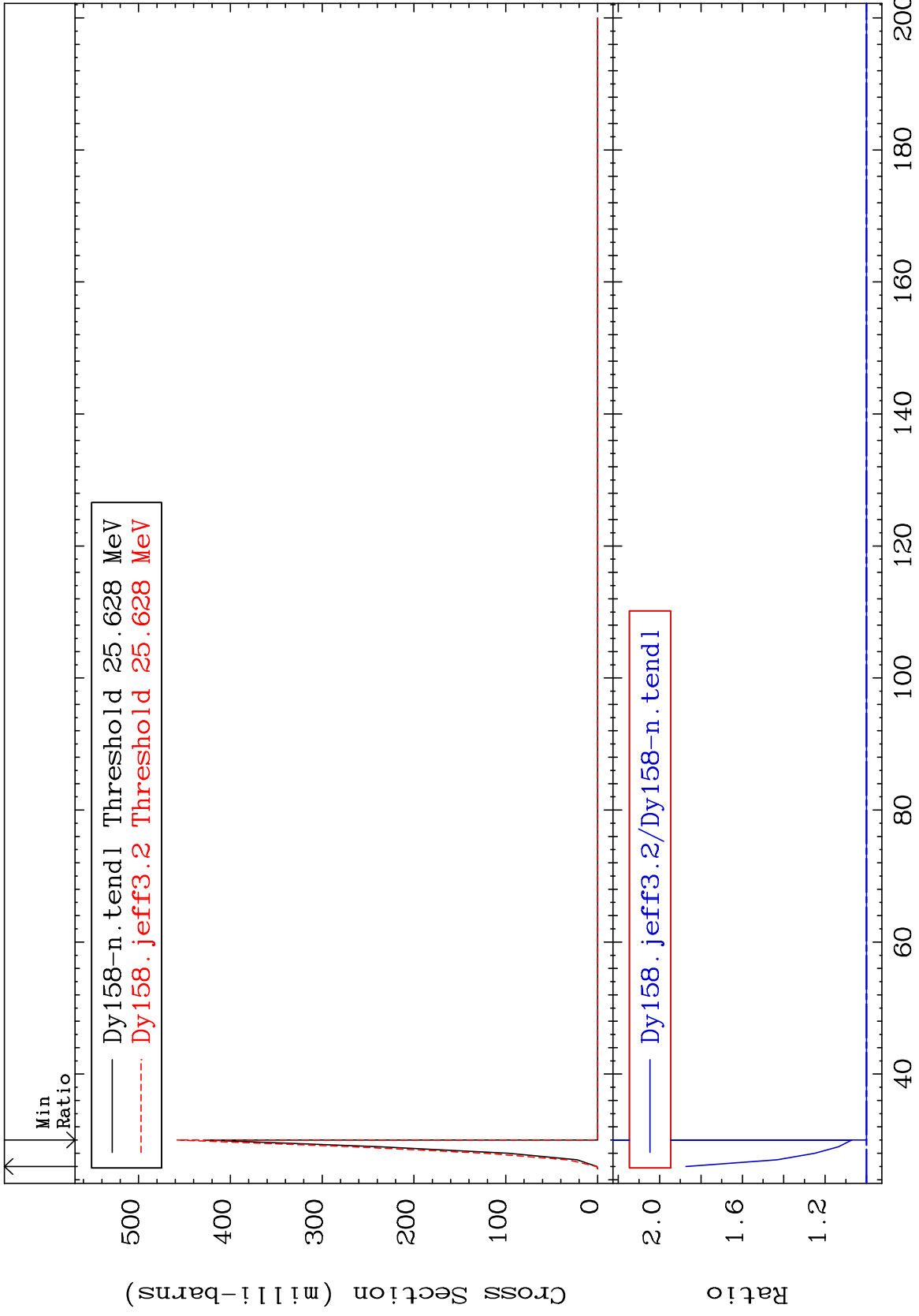
66-Dy-158  
-31.14 To 0.000 %



MAT 6631

(n,4n)  
Cross Section

66-Dy-158  
To 87.27 %

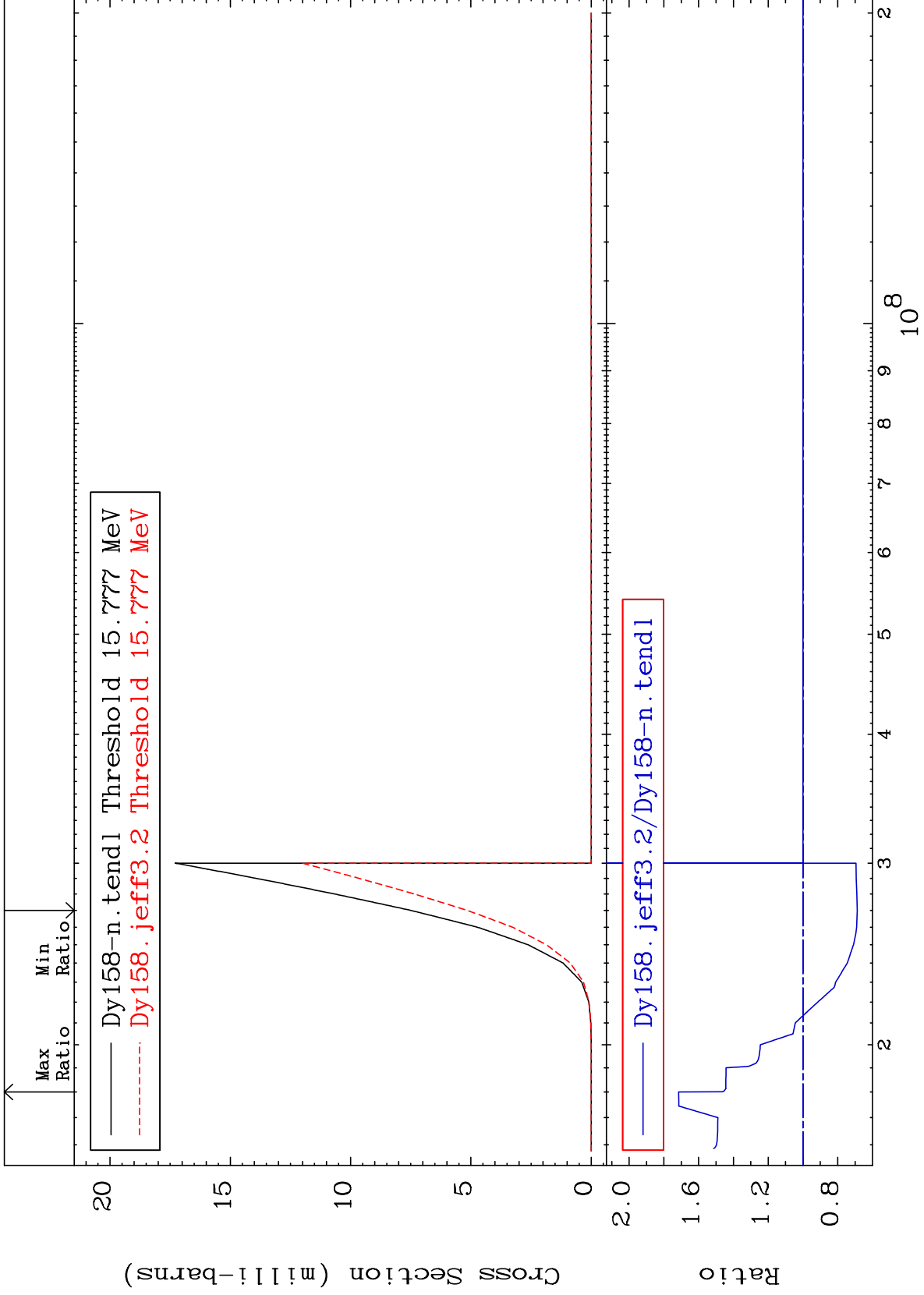




MAT 6631

(n,2n) p  
Cross Section

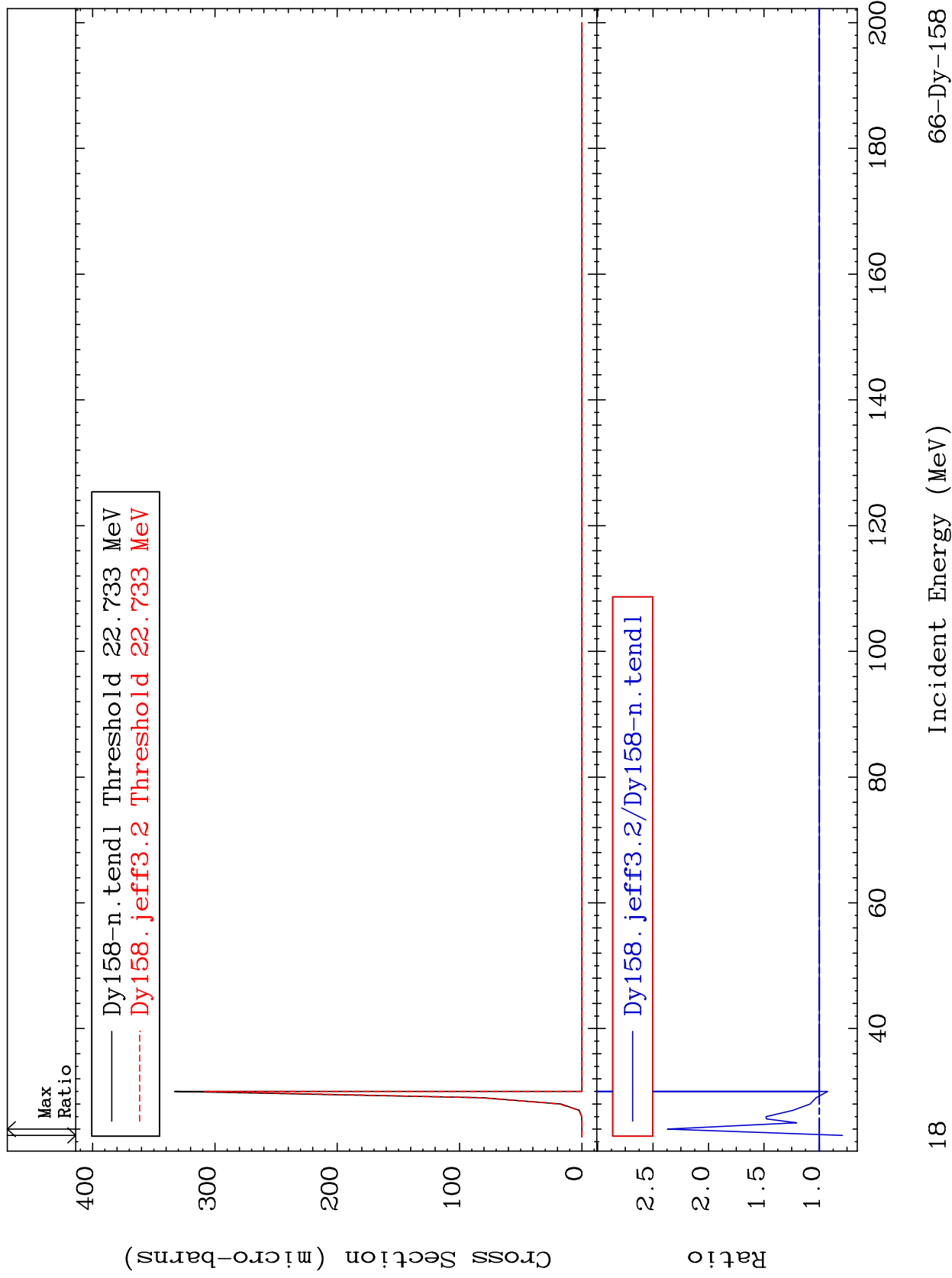
66-Dy-158  
-31.24 To 71.52 %



MAT 6631

(n,3n) p  
Cross Section

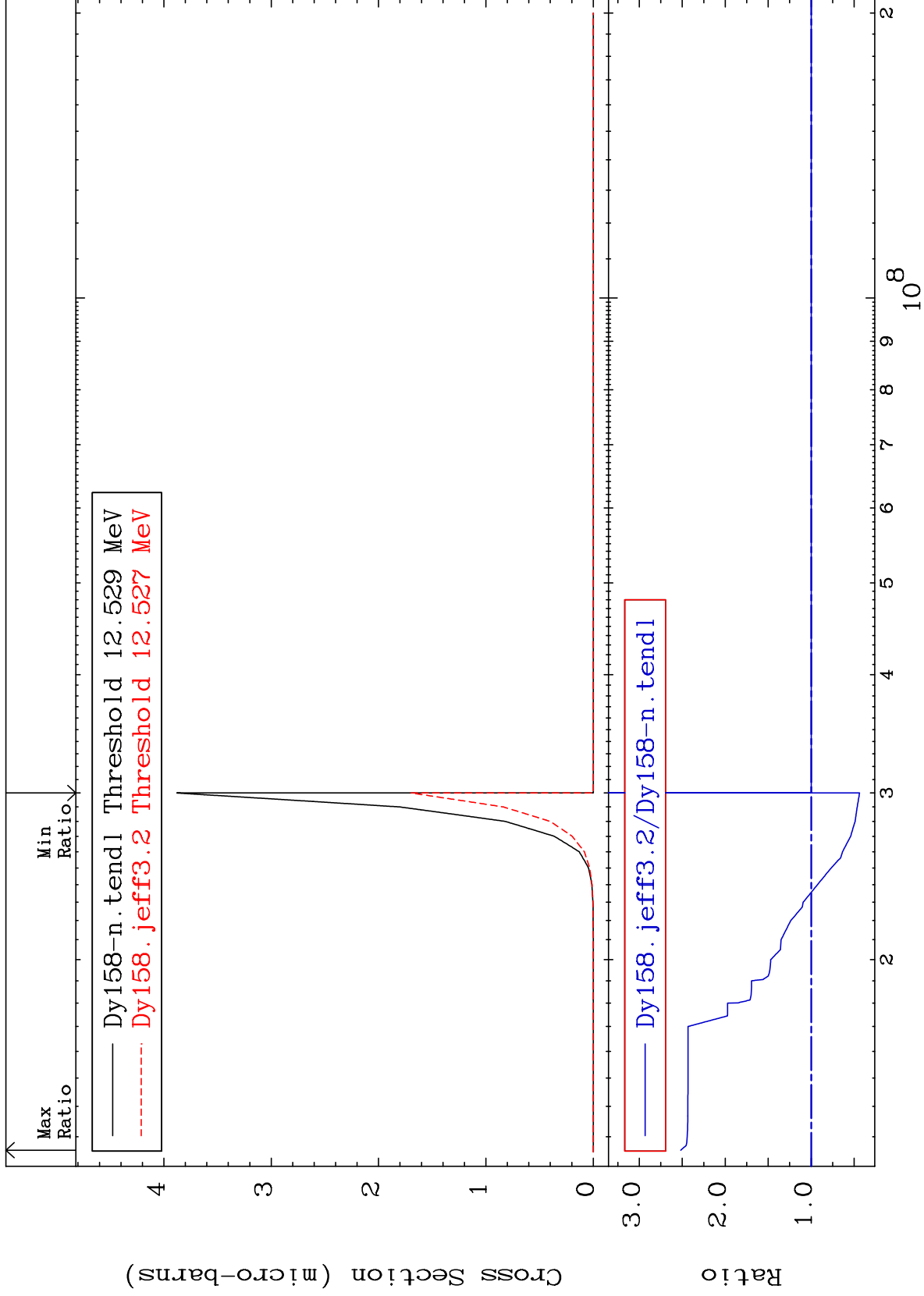
66-Dy-158  
-20.71 To 137.0 %



MAT 6631

(n,2n) p  
Cross Section

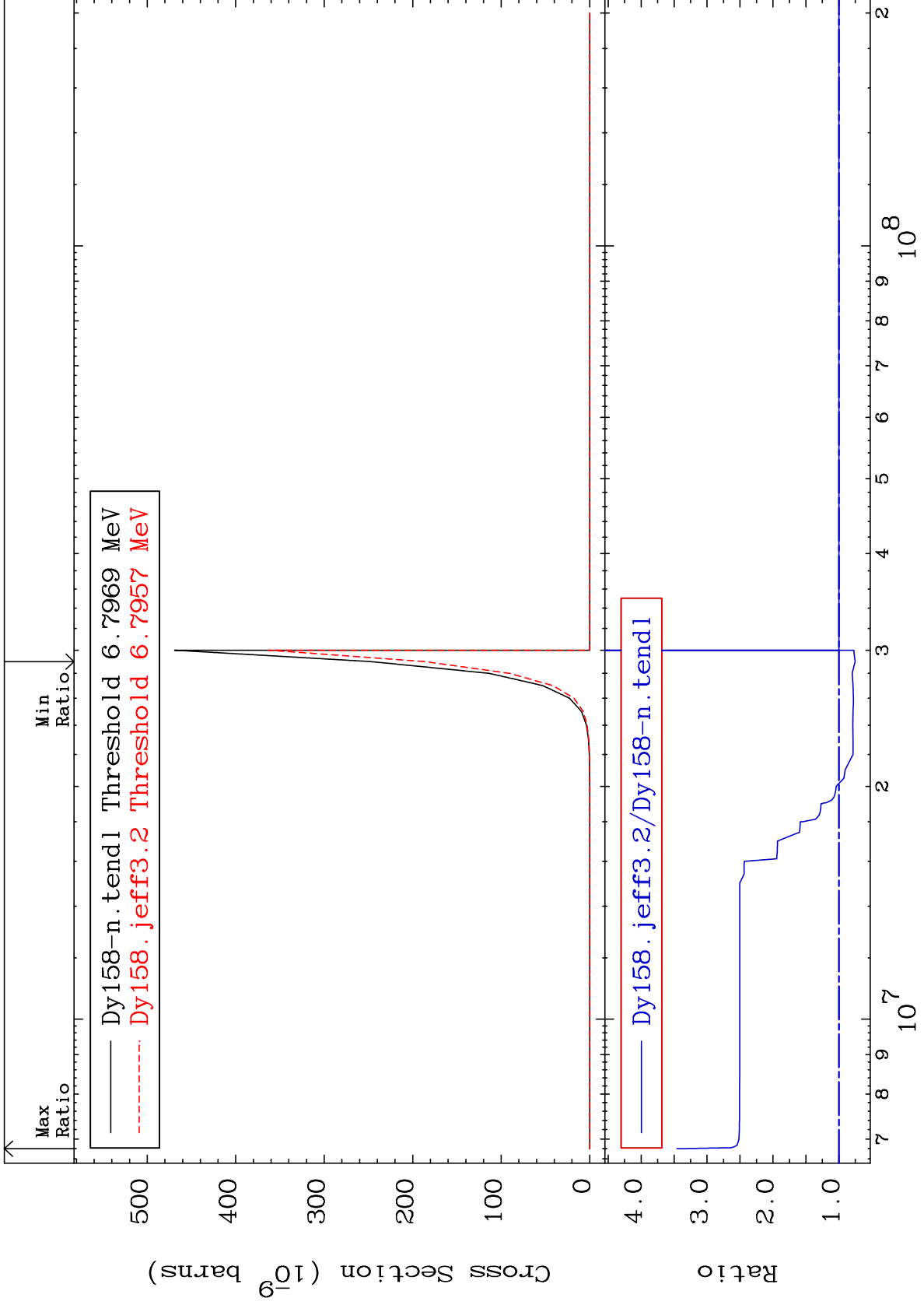
66-Dy-158  
-56.26 To 151.7 %



MAT 6631

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

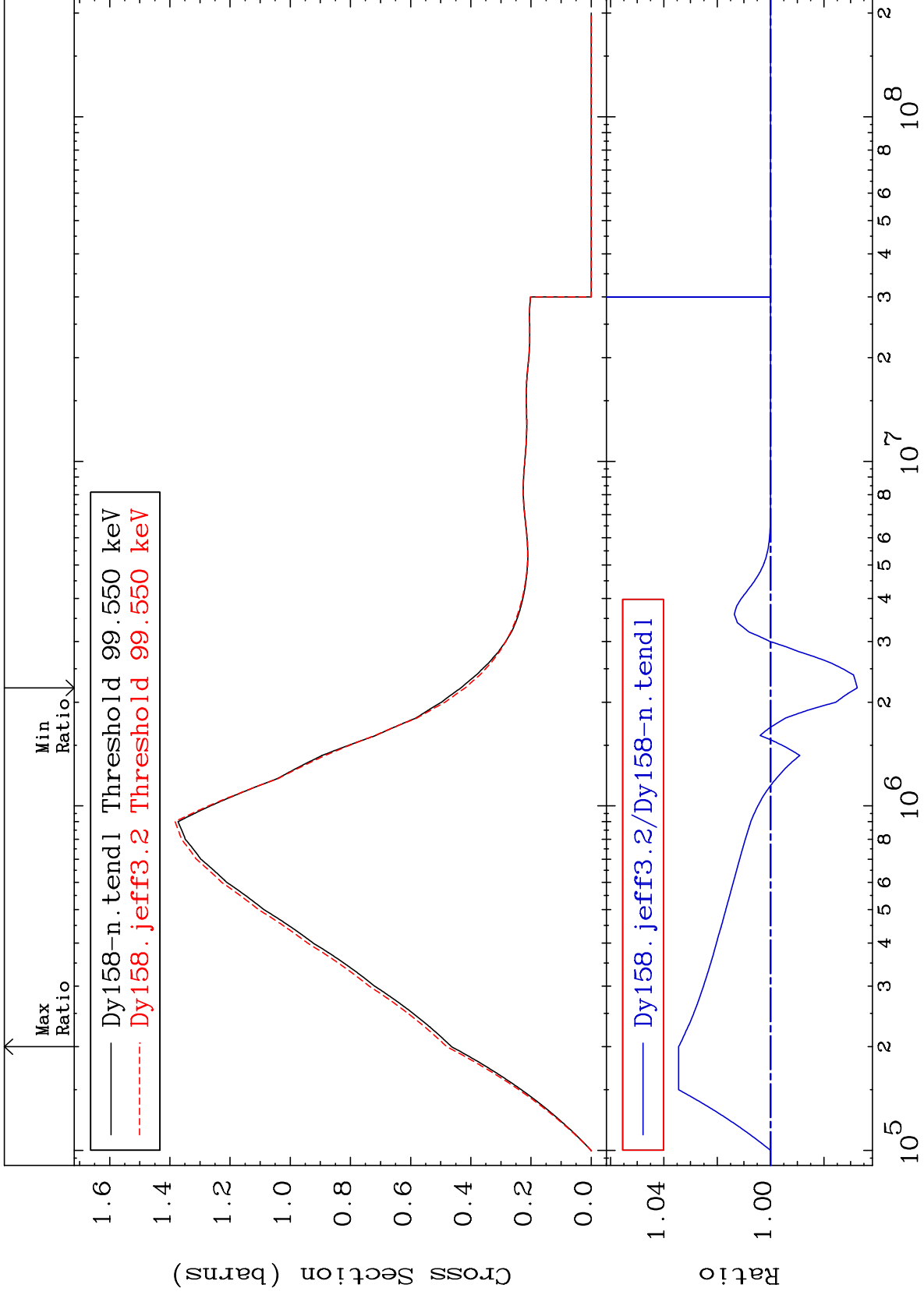
66-Dy-158  
-24.61 To 245.7 %



MAT 6631

98.92 keV (n,n') Level  
Cross Section

66-Dy-158  
-3.248 To 3.447 %



21

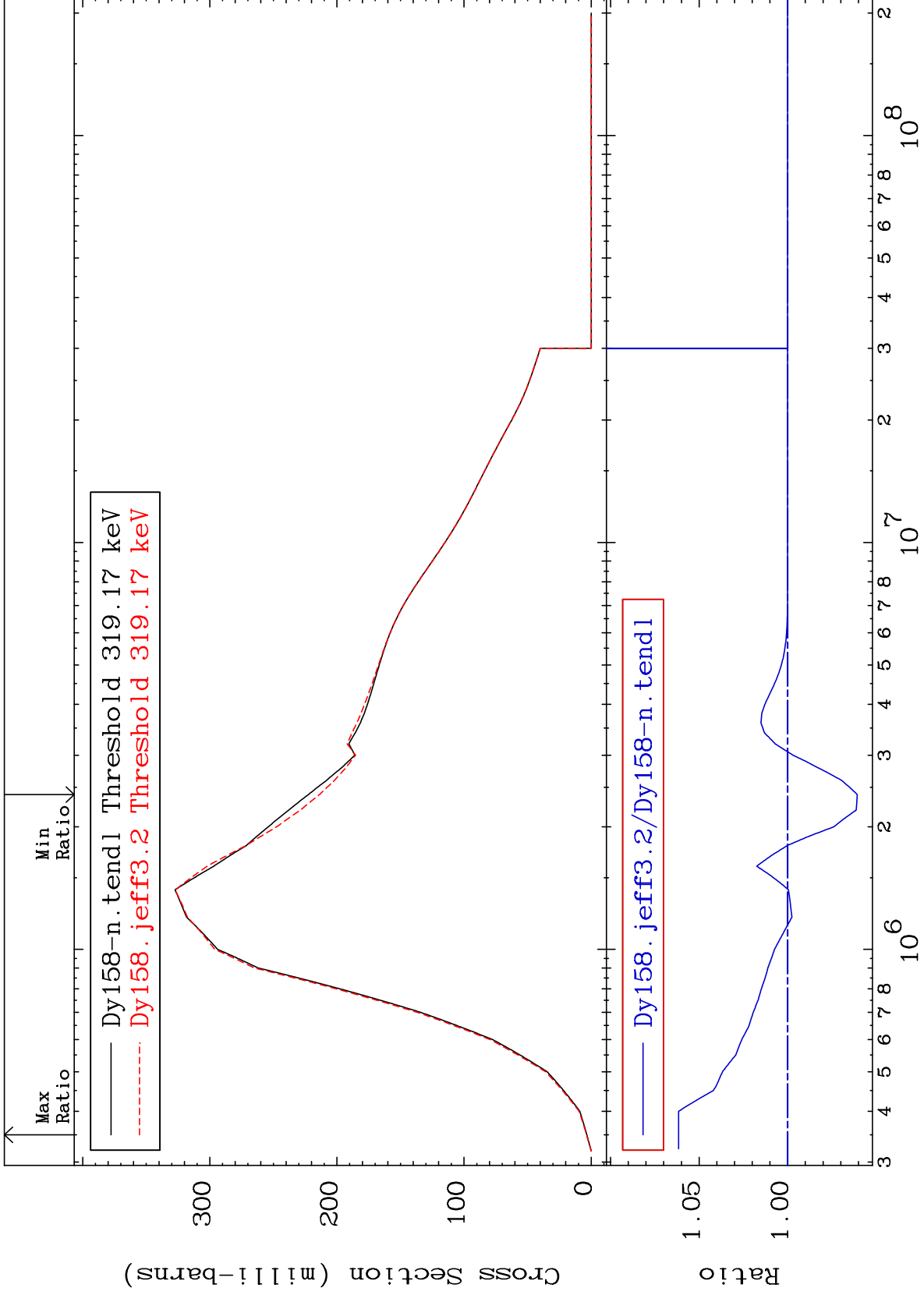
Incident Energy (eV)

66-Dy-158

MAT 6631

317.1 keV (n,n') Level  
Cross Section

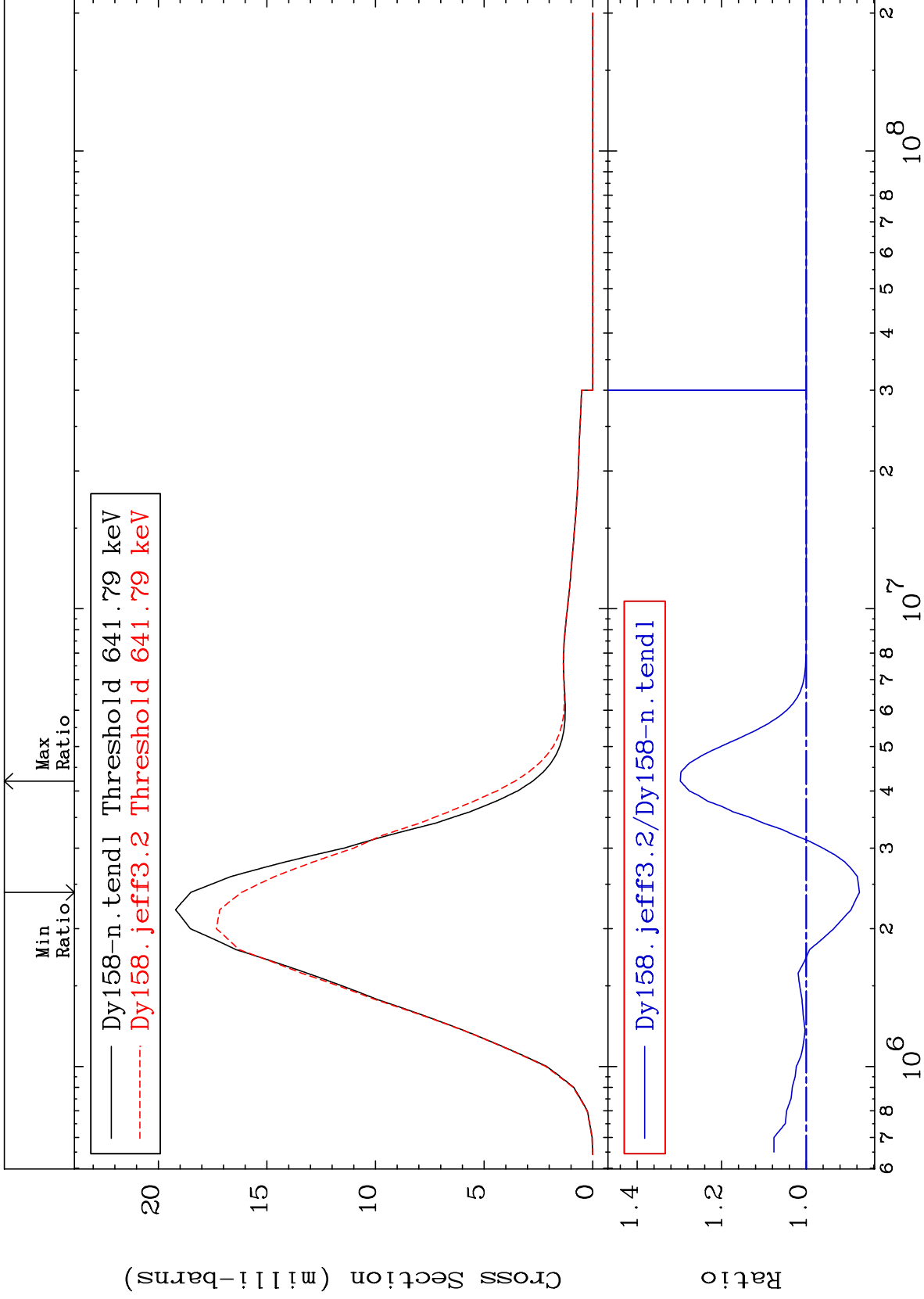
66-Dy-158  
-3.932 To 6.156 %



MAT 6631

637.7 keV (n,n') Level  
Cross Section

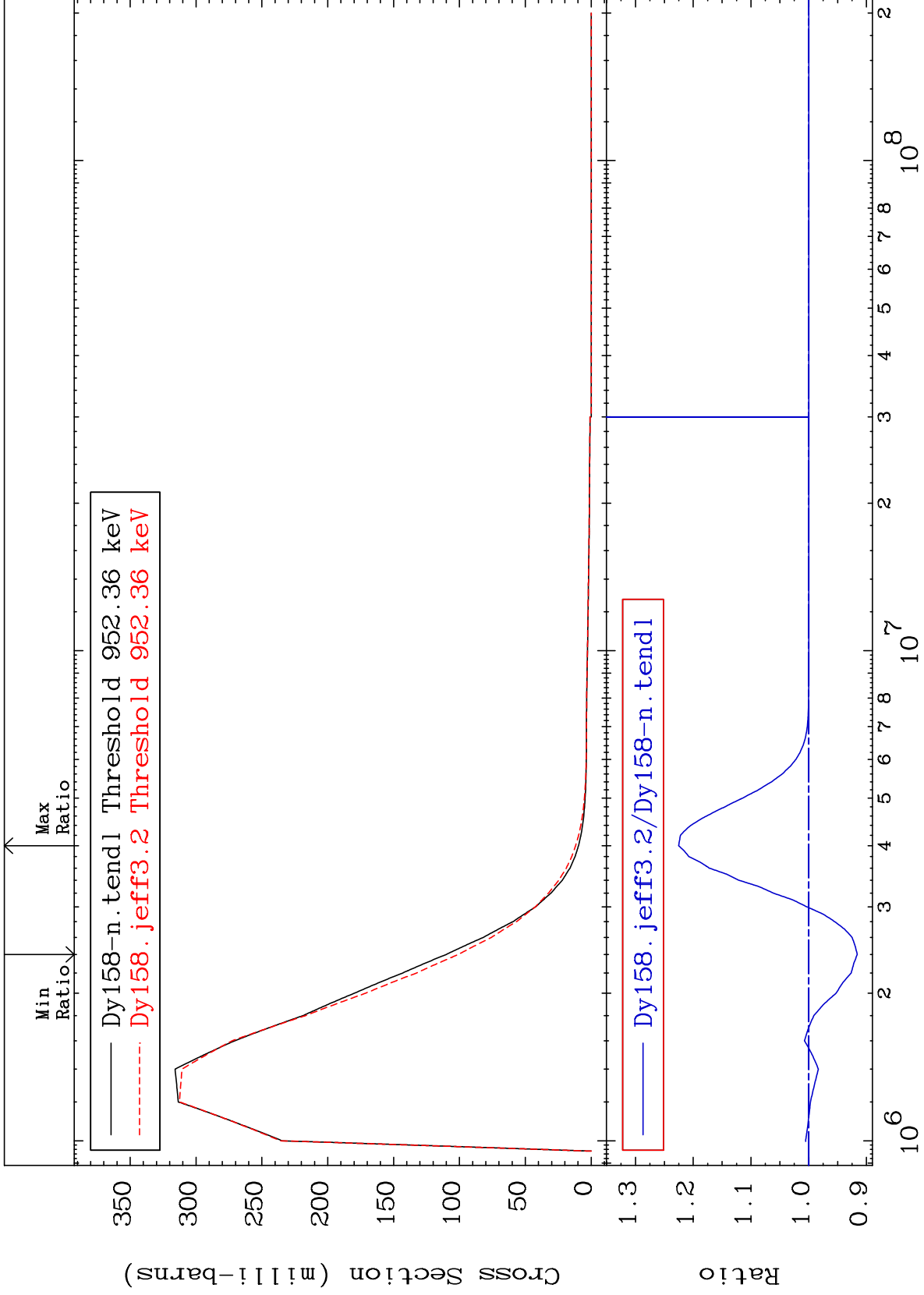
66-Dy-158  
-12.58 To 29.77 %



MAT 6631

946.3 keV (n,n') Level  
Cross Section

66-Dy-158  
-8.402 To 22.53 %



24

Incident Energy (eV)

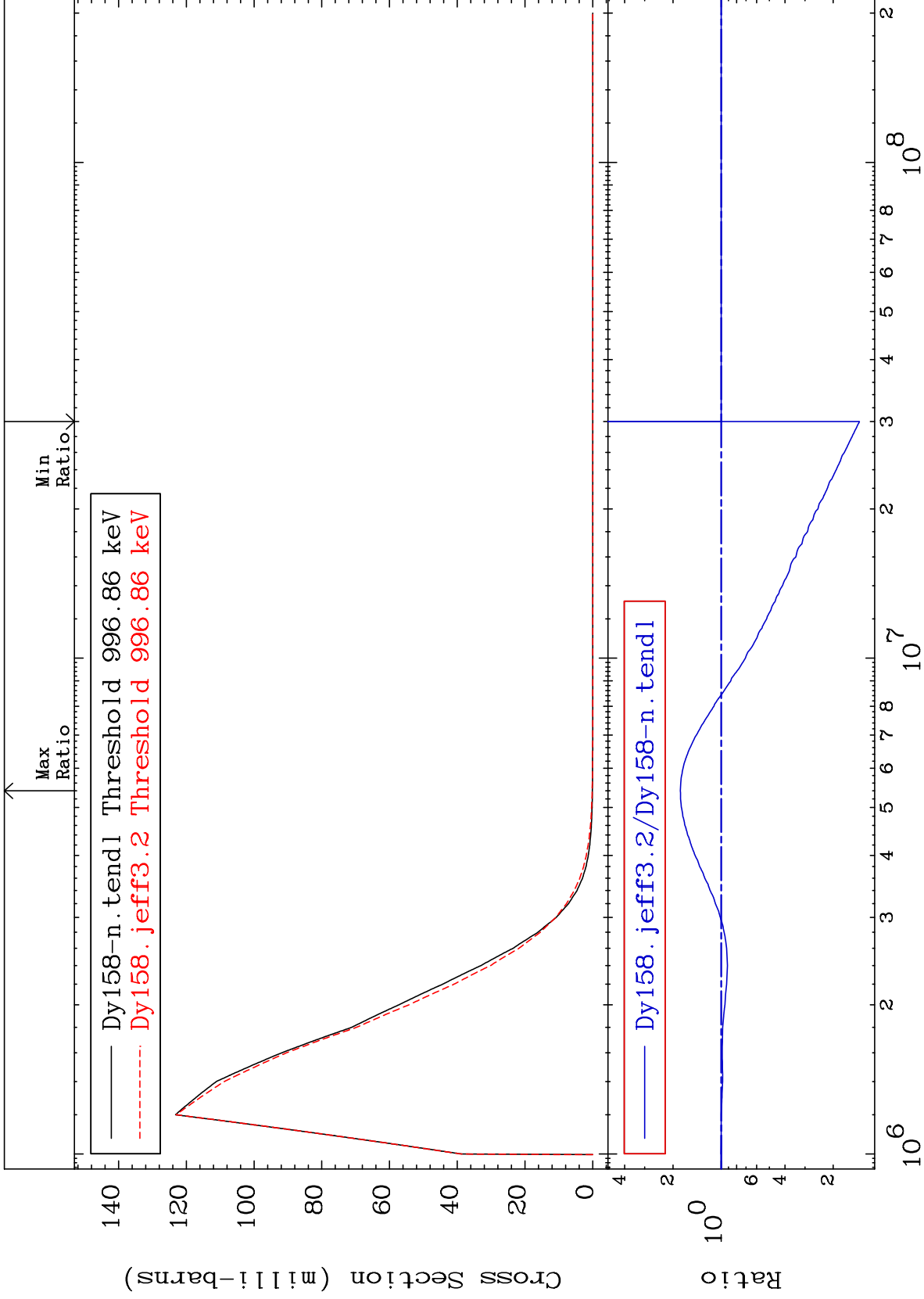
66-Dy-158



MAT 6631

990.5 keV (n,n') Level  
Cross Section

66-Dy-158  
-86.29 To 79.71 %



25

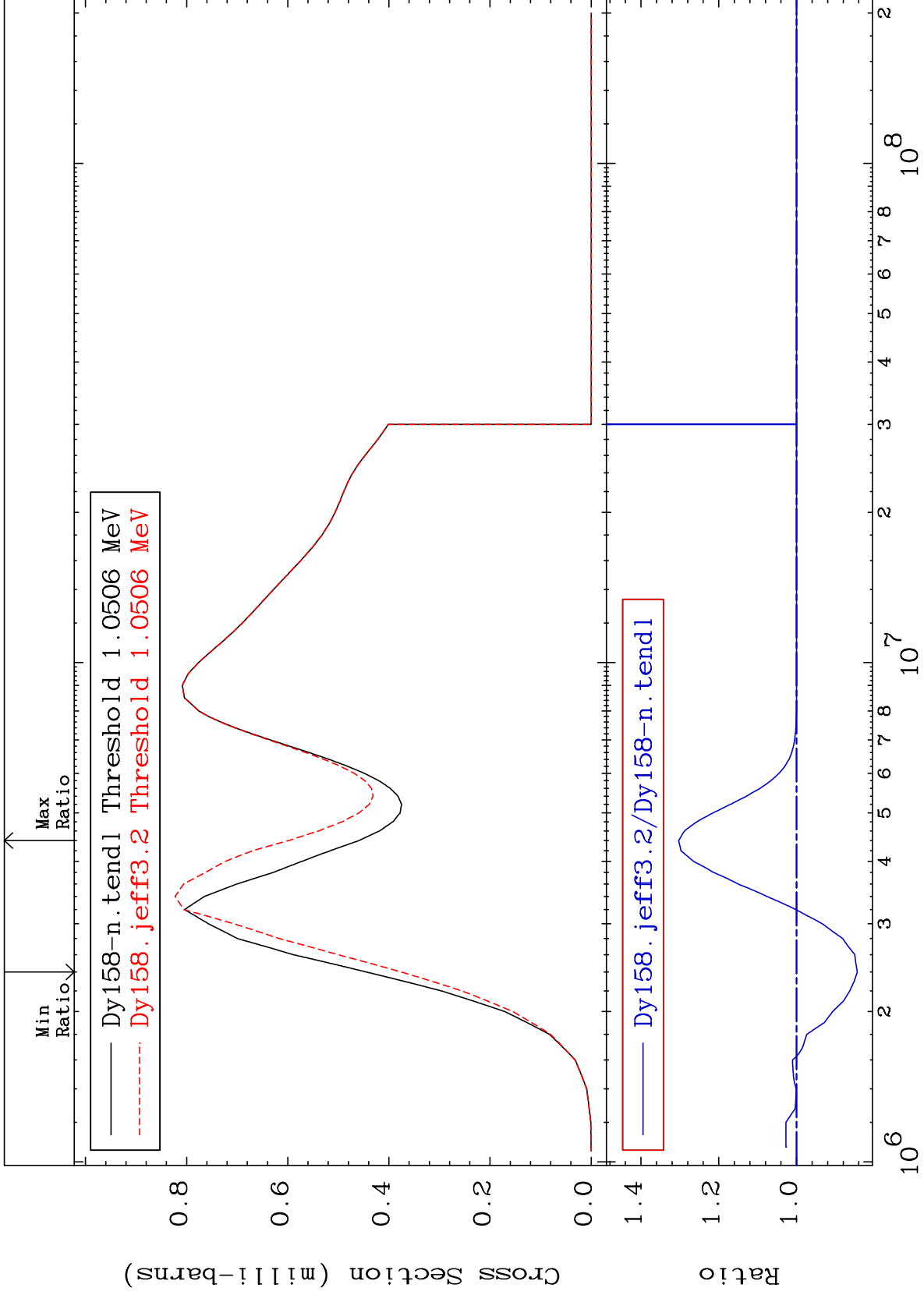
Incident Energy (eV)

66-Dy-158

MAT 6631

1.044 MeV (n,n') Level  
Cross Section

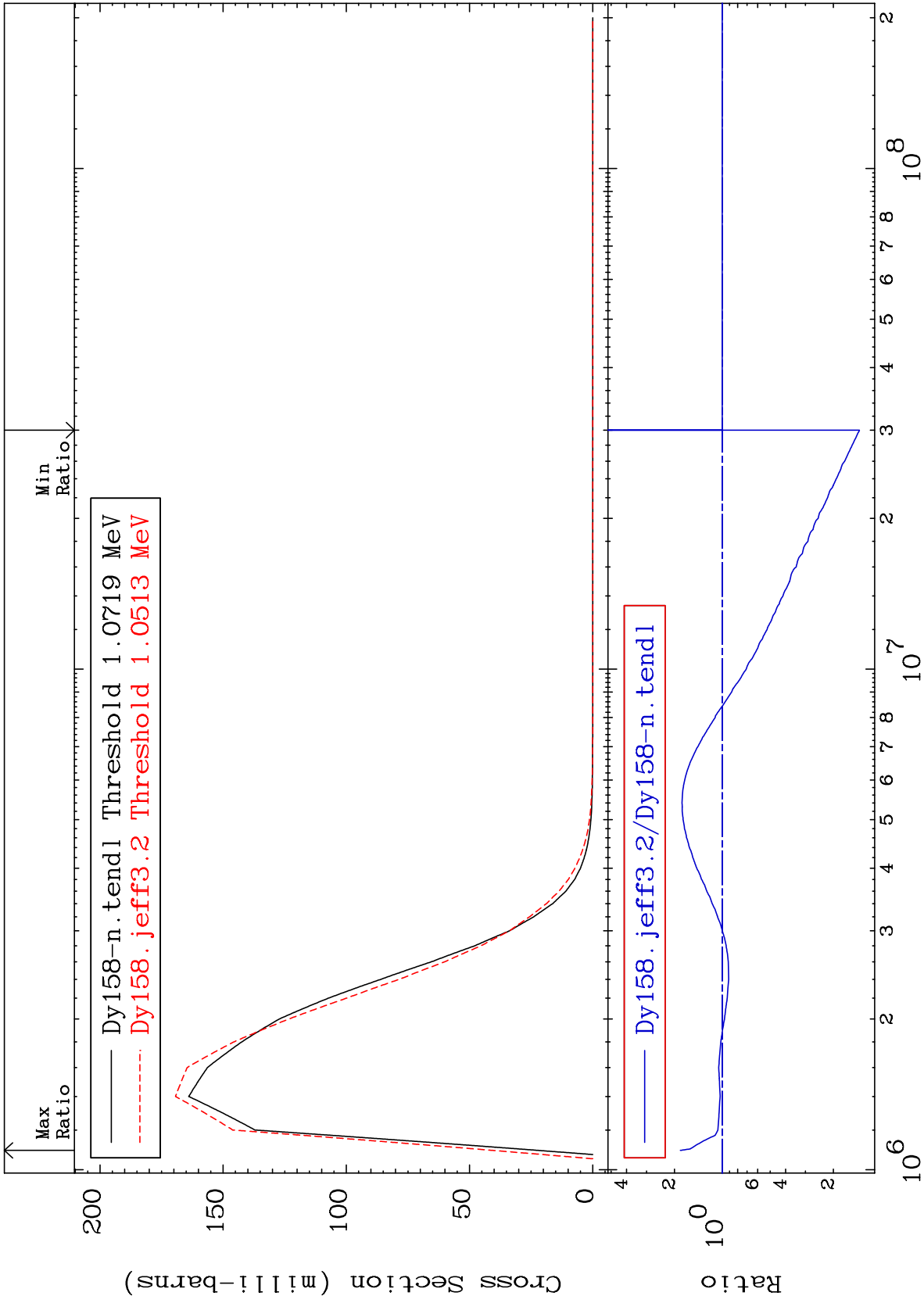
66-Dy-158  
-15.60 To 30.32 %



MAT 6631

1.065 MeV (n,n') Level  
Cross Section

66-Dy-158  
-86.27 To 83.59 %



27

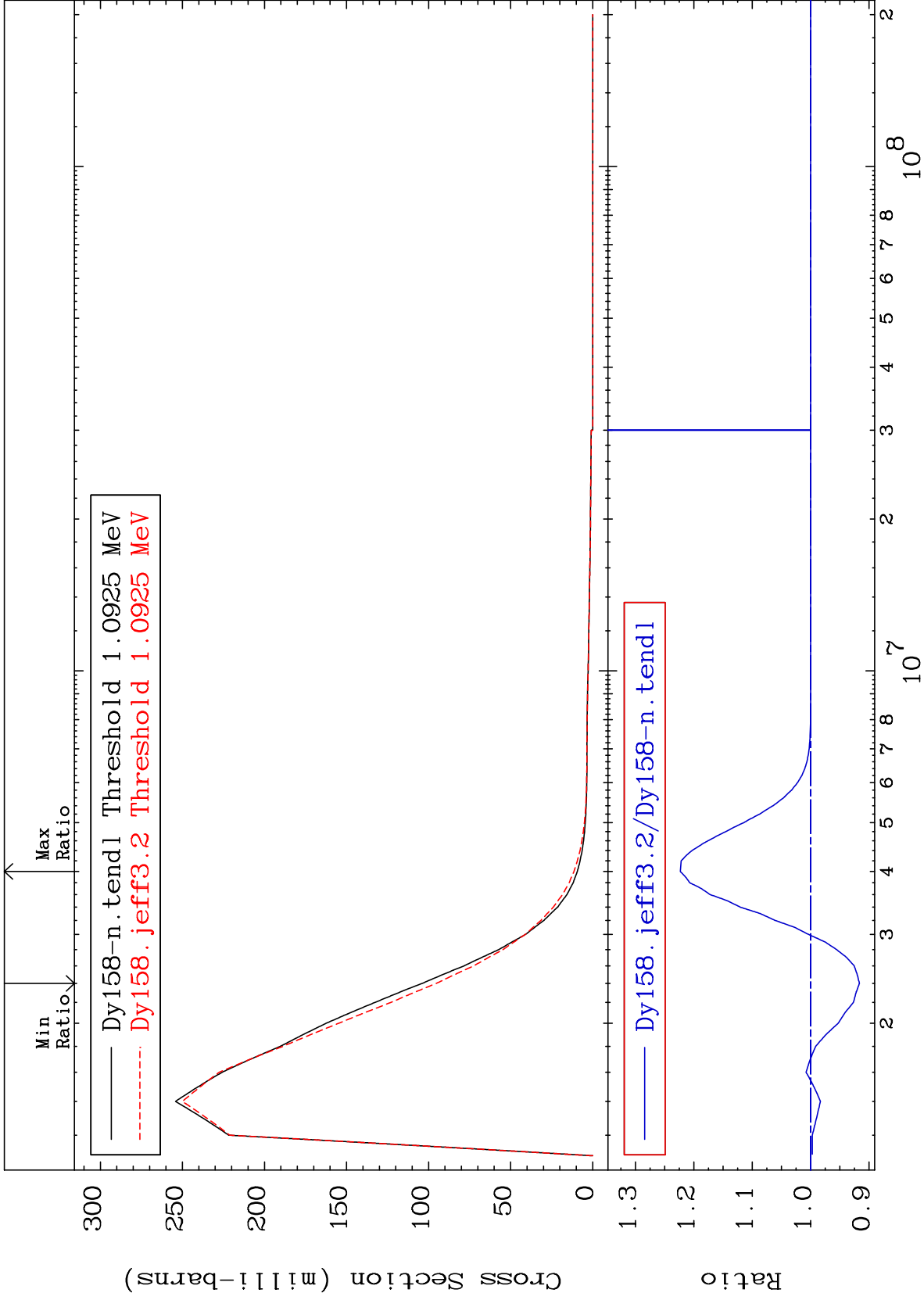
Incident Energy (eV)

66-Dy-158

MAT 6631

1.086 MeV (n,n') Level  
Cross Section

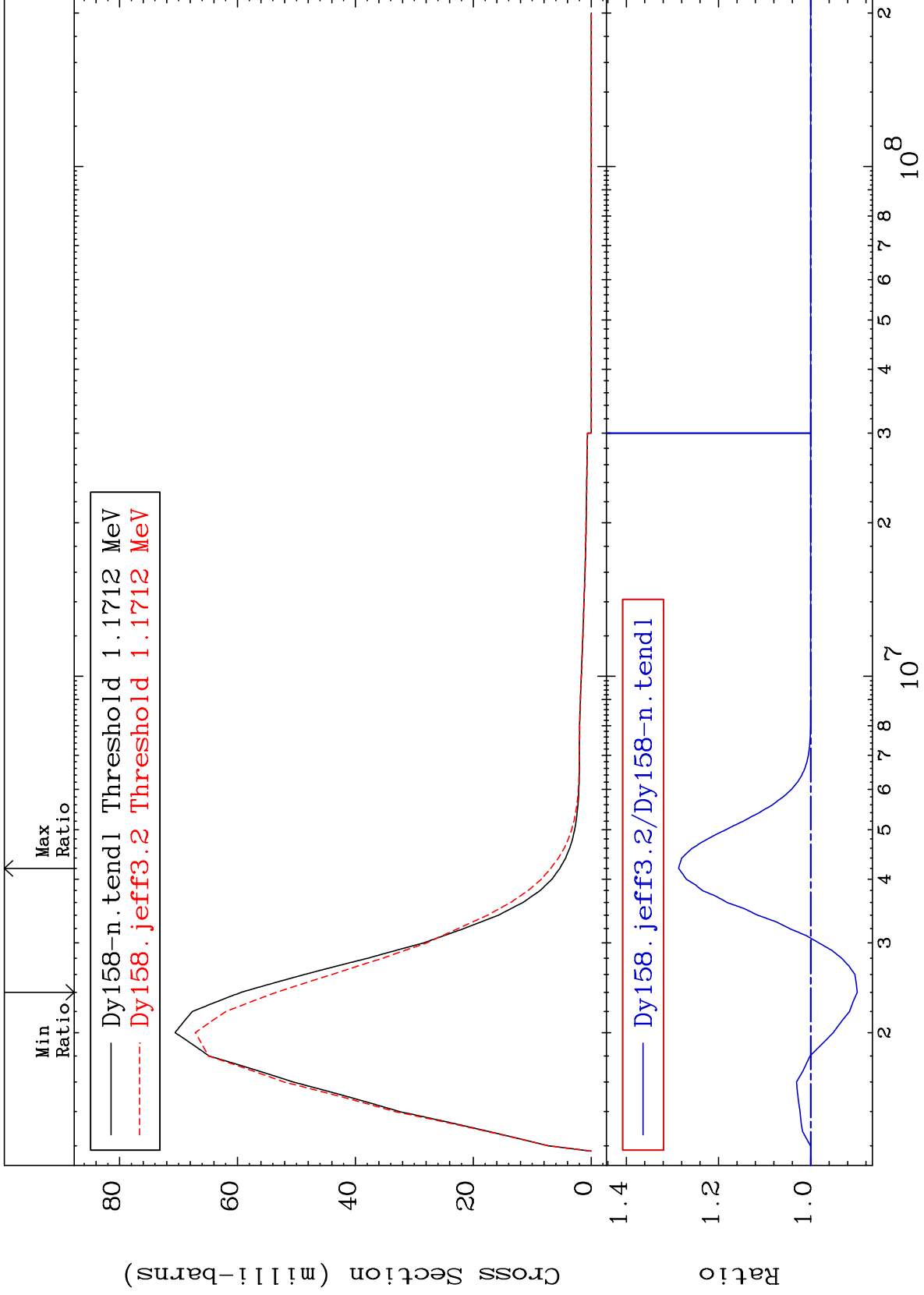
66-Dy-158  
-8.360 To 22.31 %



MAT 6631

1.164 MeV (n,n') Level  
Cross Section

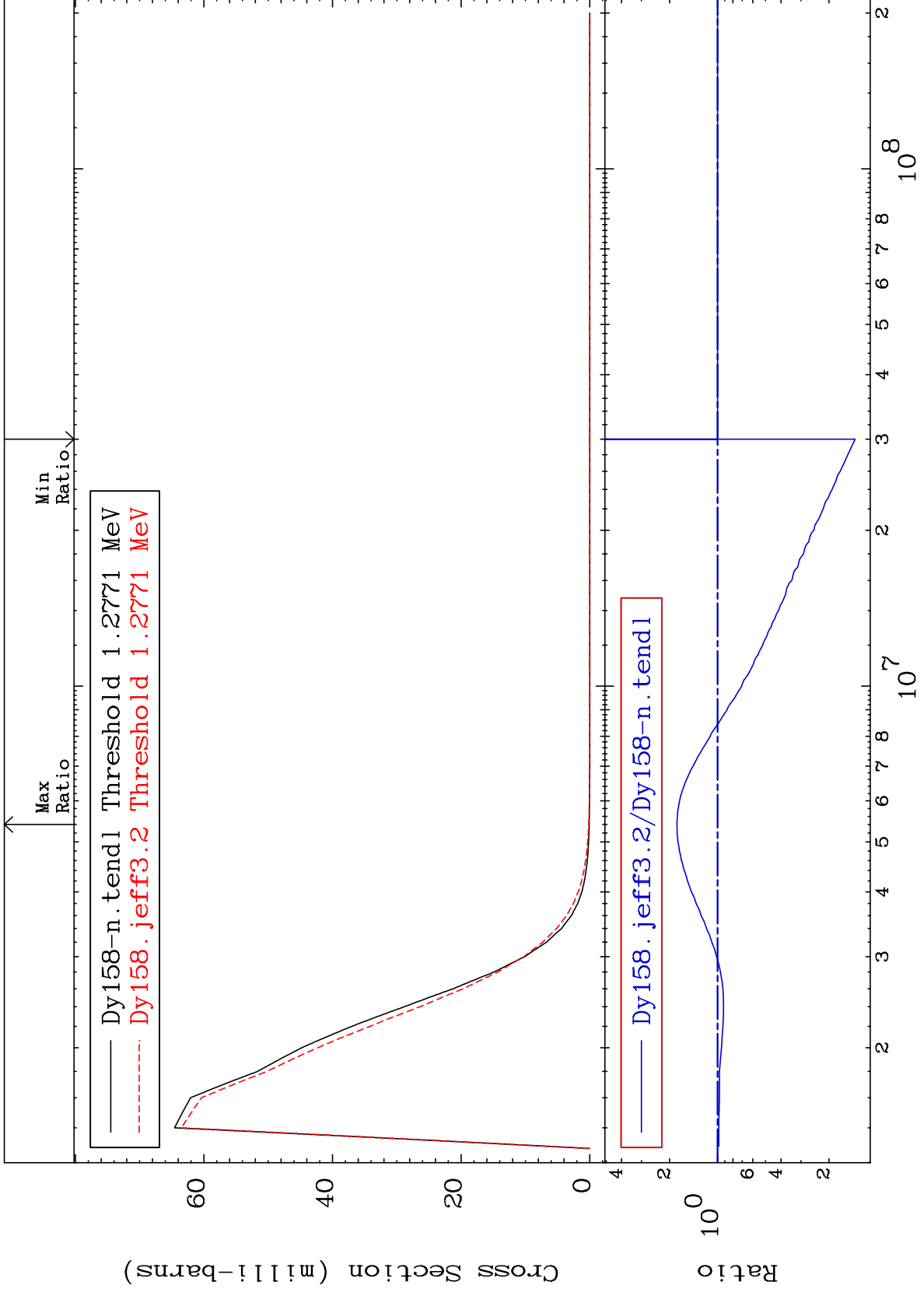
66-Dy-158  
-10.09 To 28.66 %



MAT 6631

1.269 MeV (n,n') Level  
Cross Section

66-Dy-158  
-86.29 To 79.79 %



30

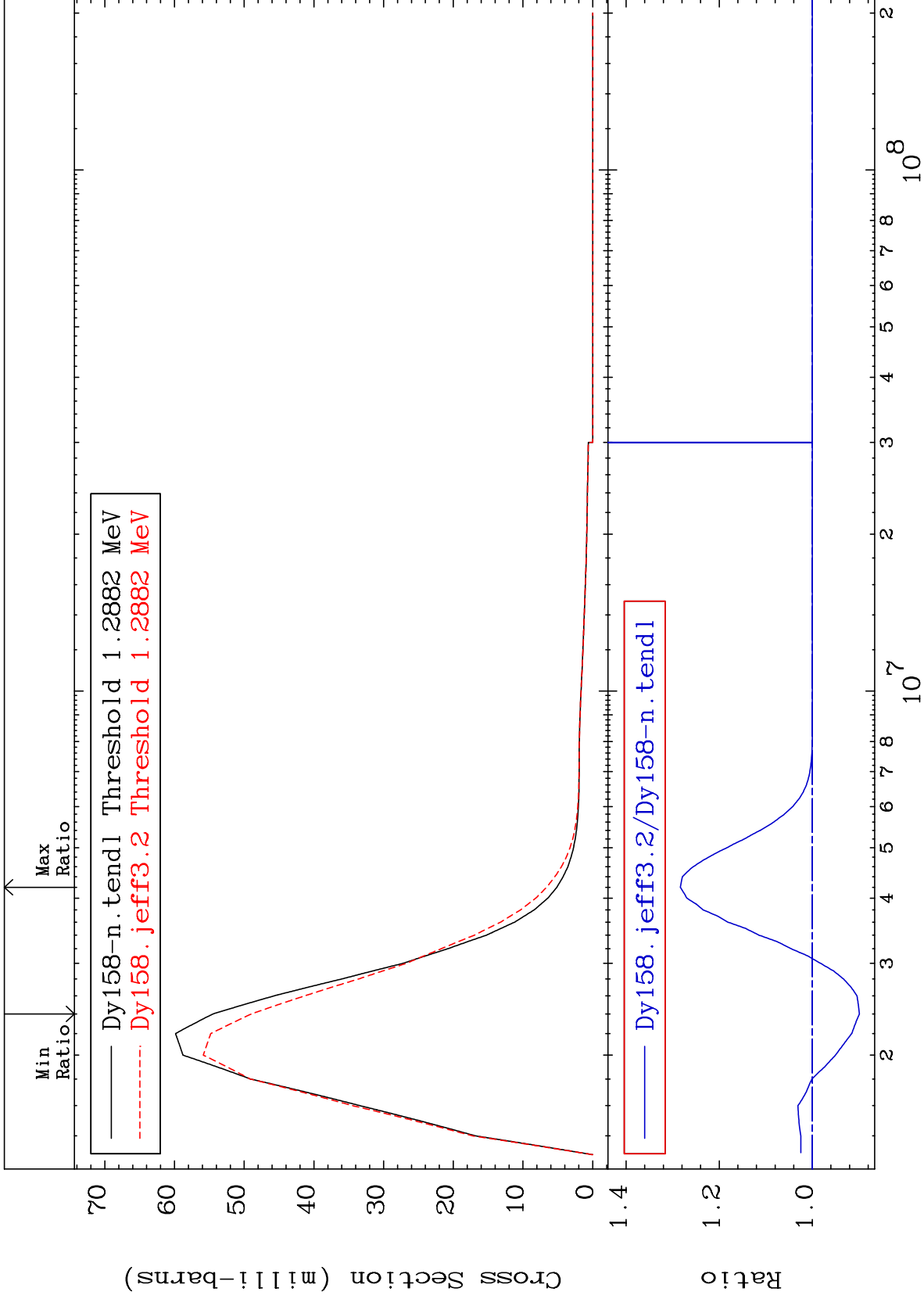
Incident Energy (eV)

66-Dy-158

MAT 6631

1.280 MeV (n,n') Level  
Cross Section

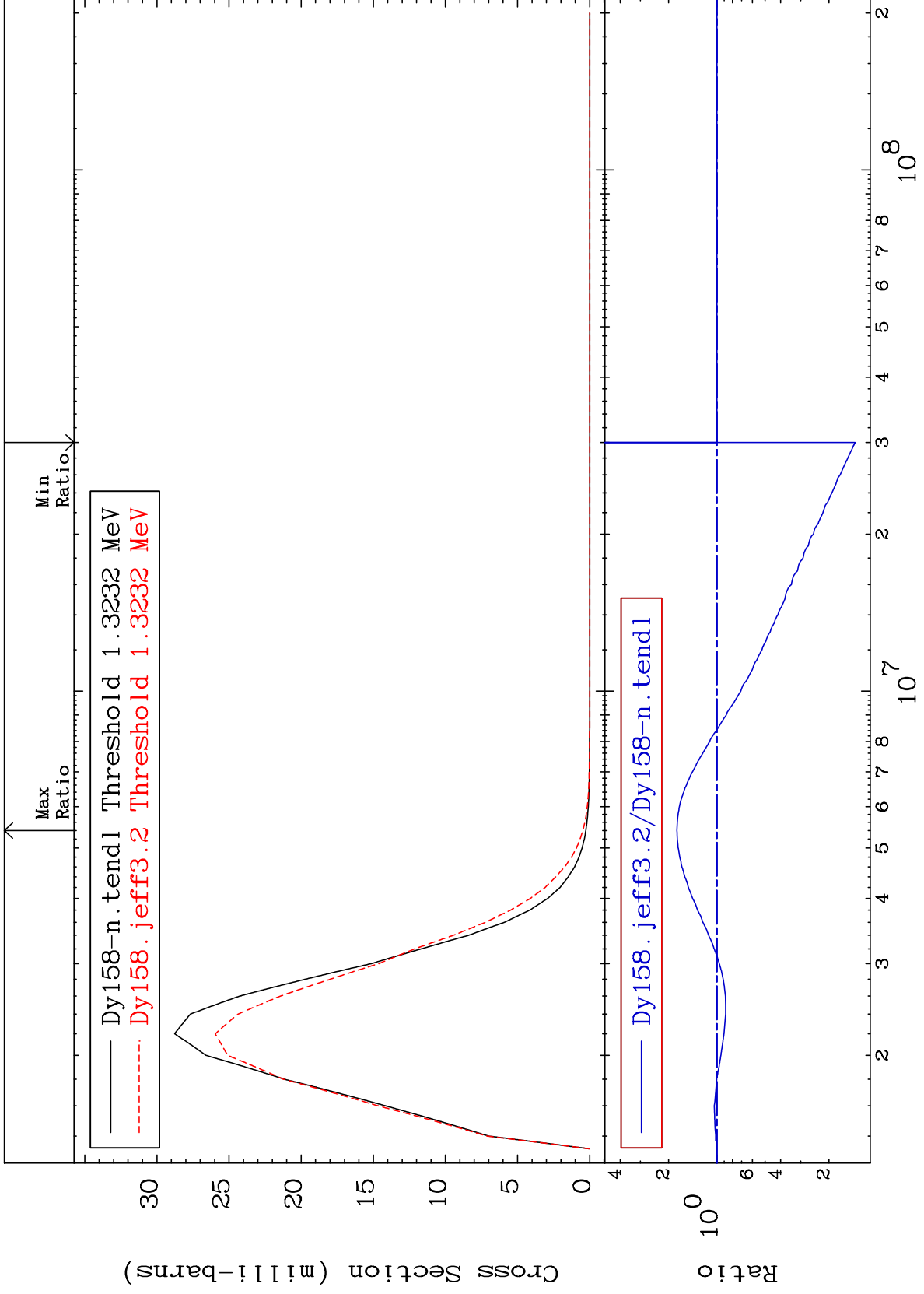
66-Dy-158  
-10.12 To 28.35 %



MAT 6631

1.315 MeV (n,n') Level  
Cross Section

66-Dy-158  
-86.25 To 77.31 %

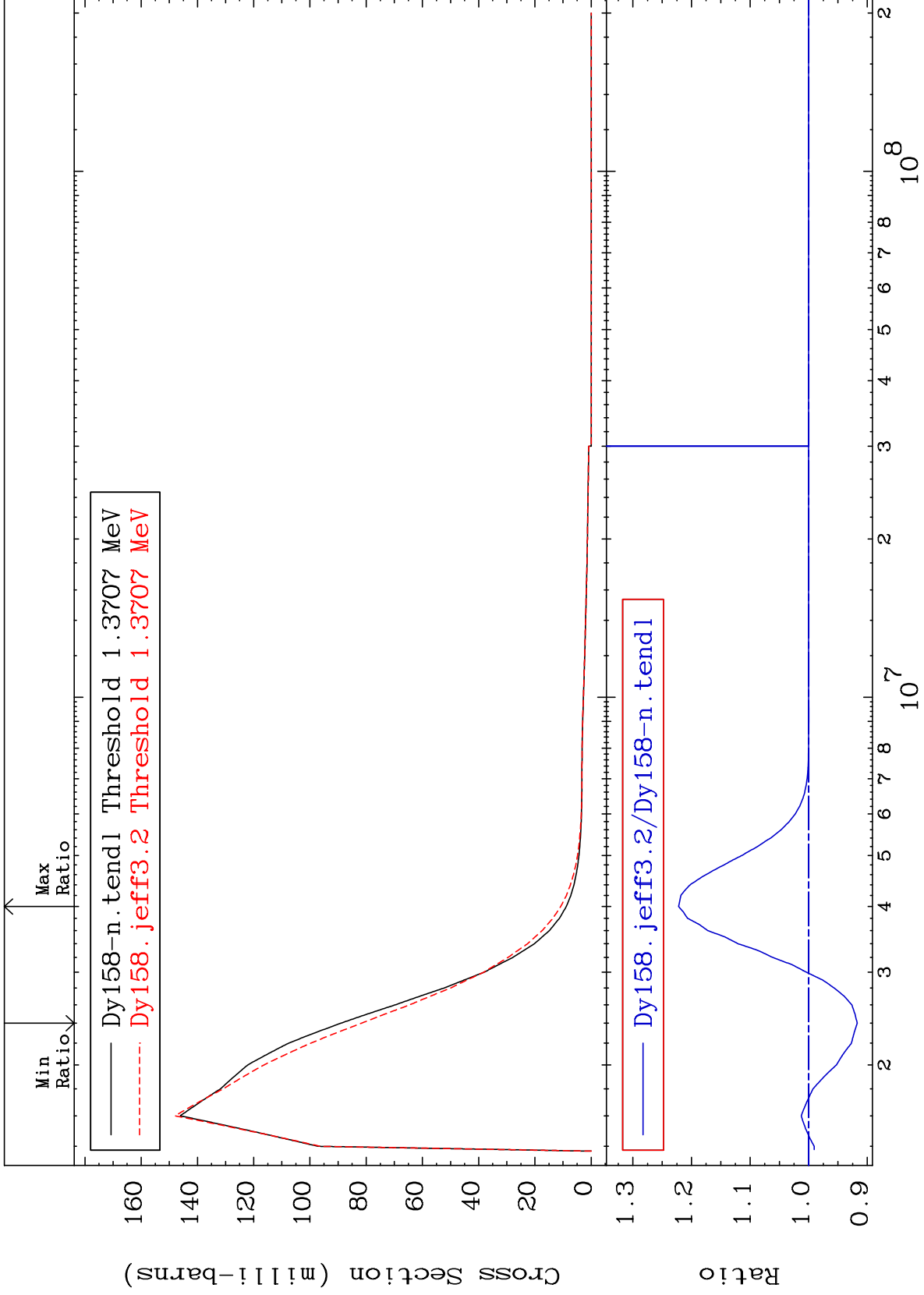




MAT 6631

1.362 MeV (n,n') Level  
Cross Section

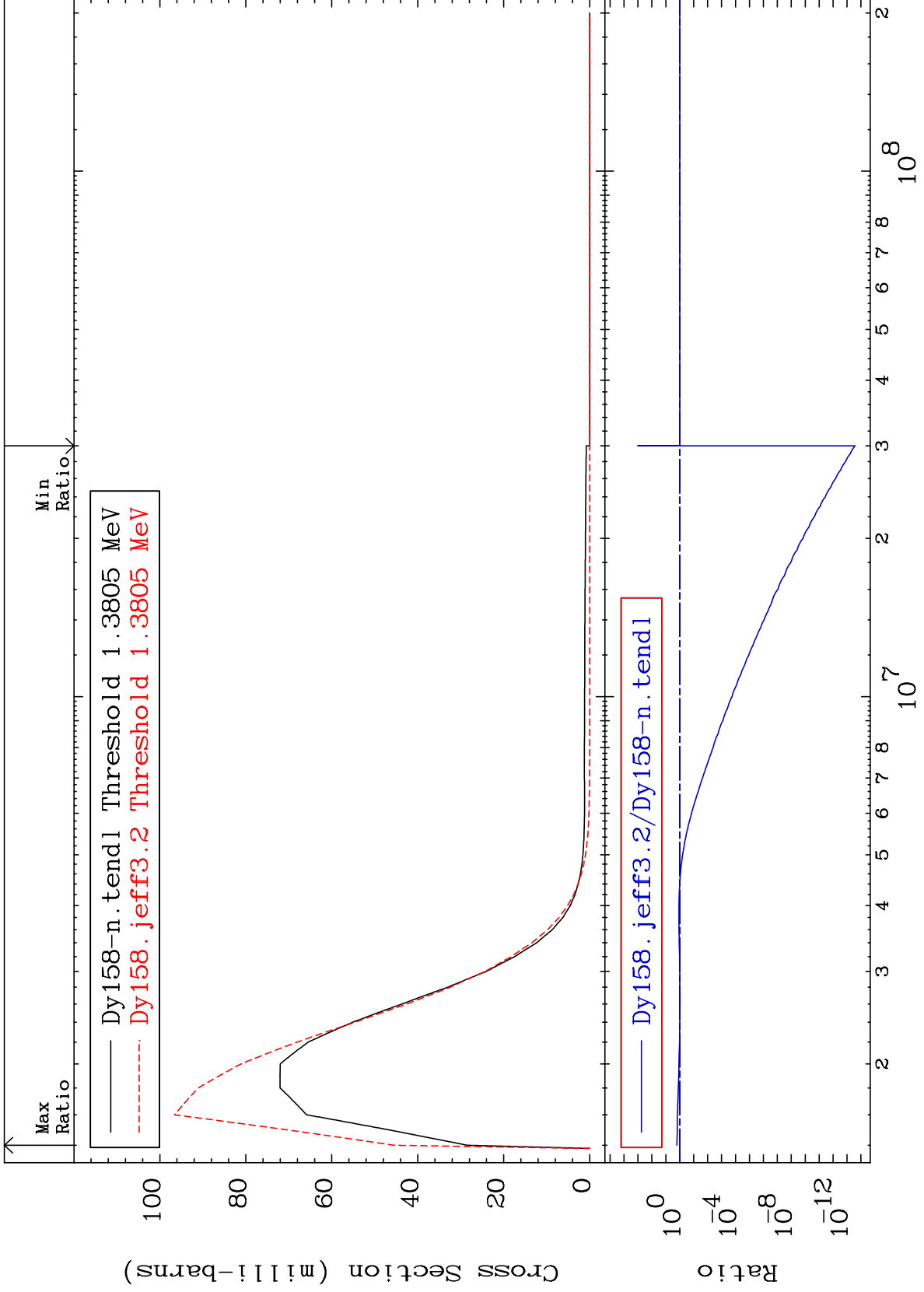
66-Dy-158  
-8.294 To 22.19 %



MAT 6631

1.372 MeV (n,n') Level  
Cross Section

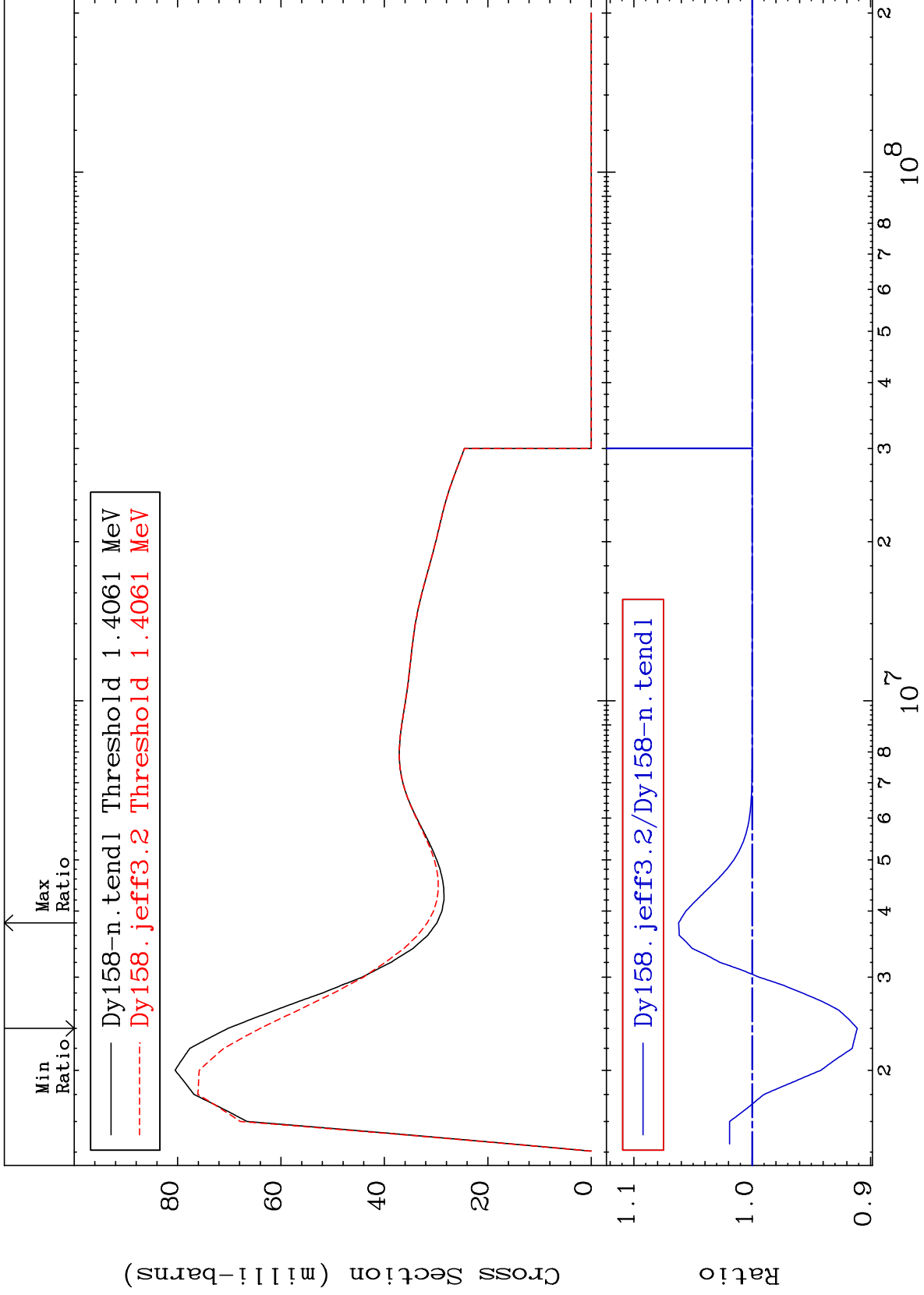
66-Dy-158  
-100.0 To 59.42 %

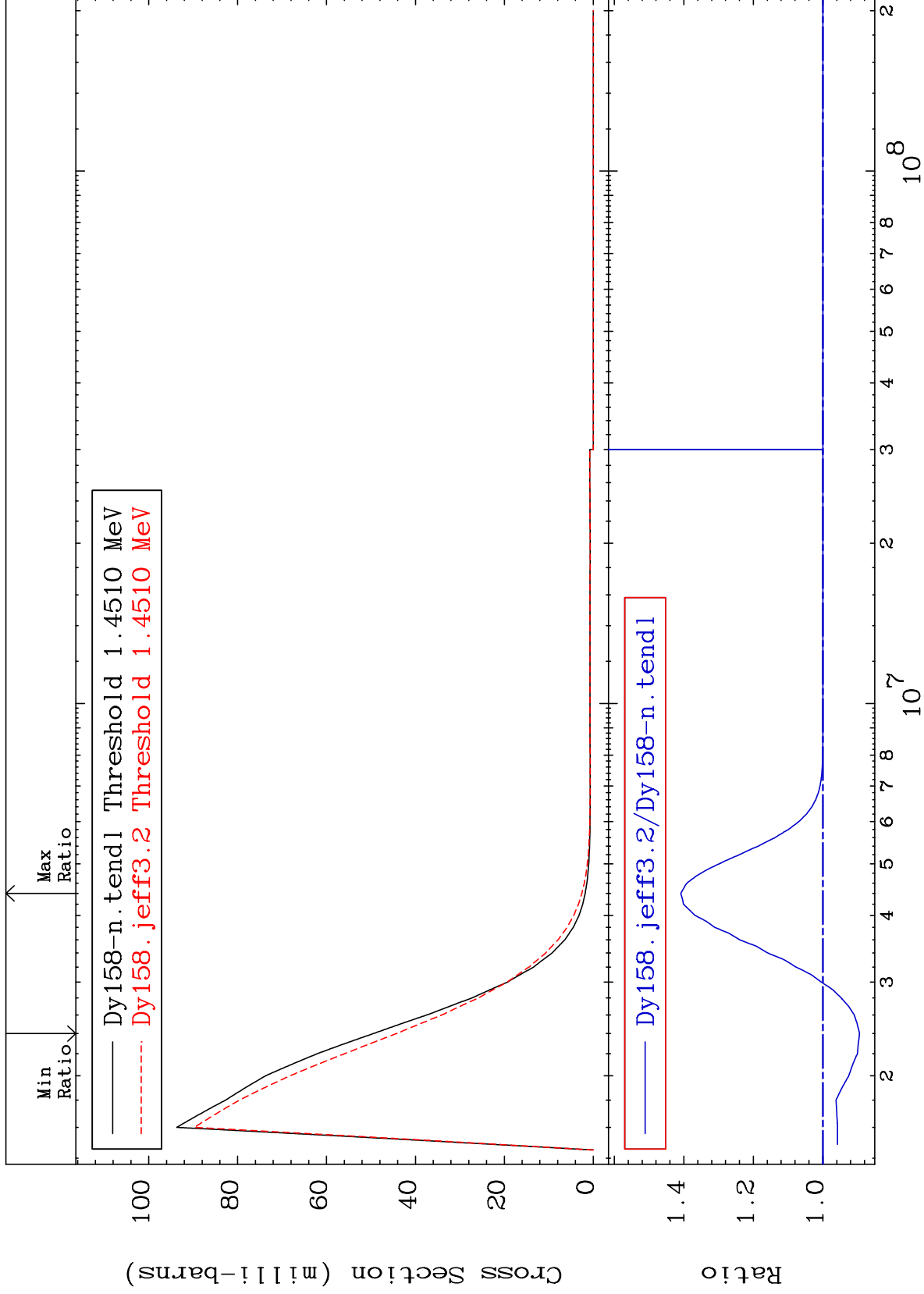


MAT 6631

1.397 MeV (n,n') Level  
Cross Section

66-Dy-158  
-8.877 To 6.220 %

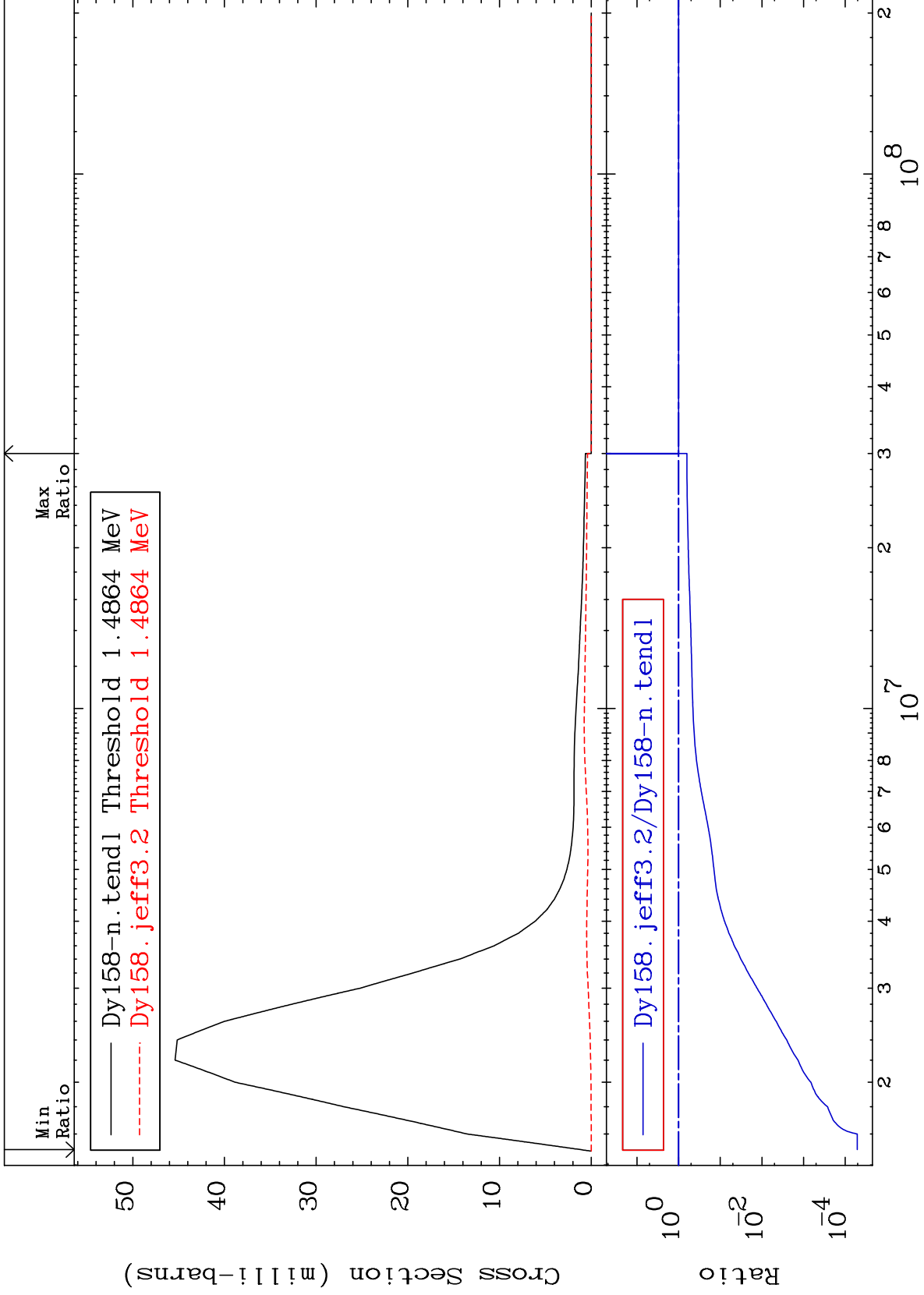




MAT 6631

1.477 MeV (n,n') Level  
Cross Section

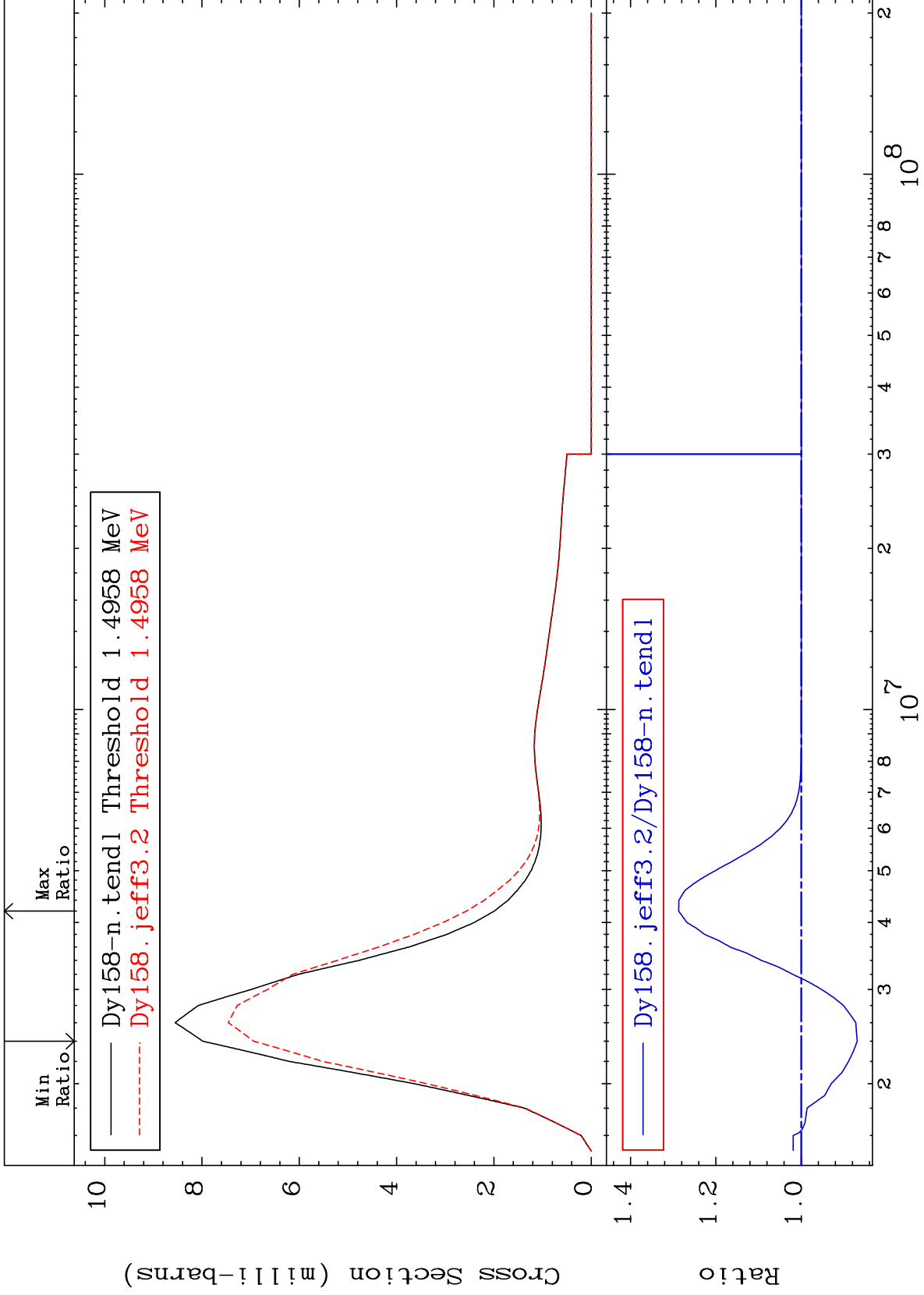
66-Dy-158  
-99.99 To 0.000 %



MAT 6631

1.486 MeV (n,n') Level  
Cross Section

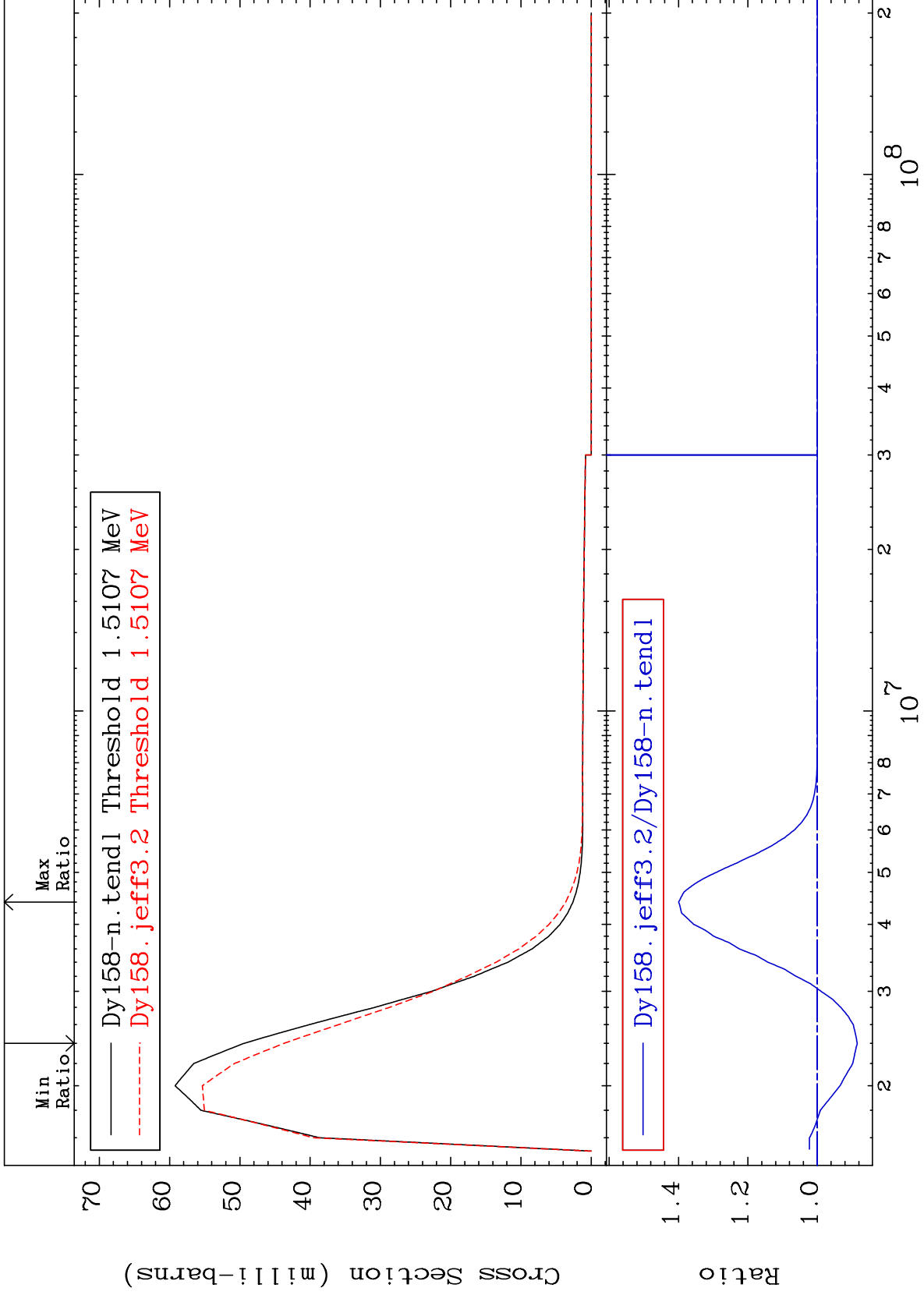
66-Dy-158  
-13.14 To 28.74 %



MAT 6631

1.501 MeV (n,n') Level  
Cross Section

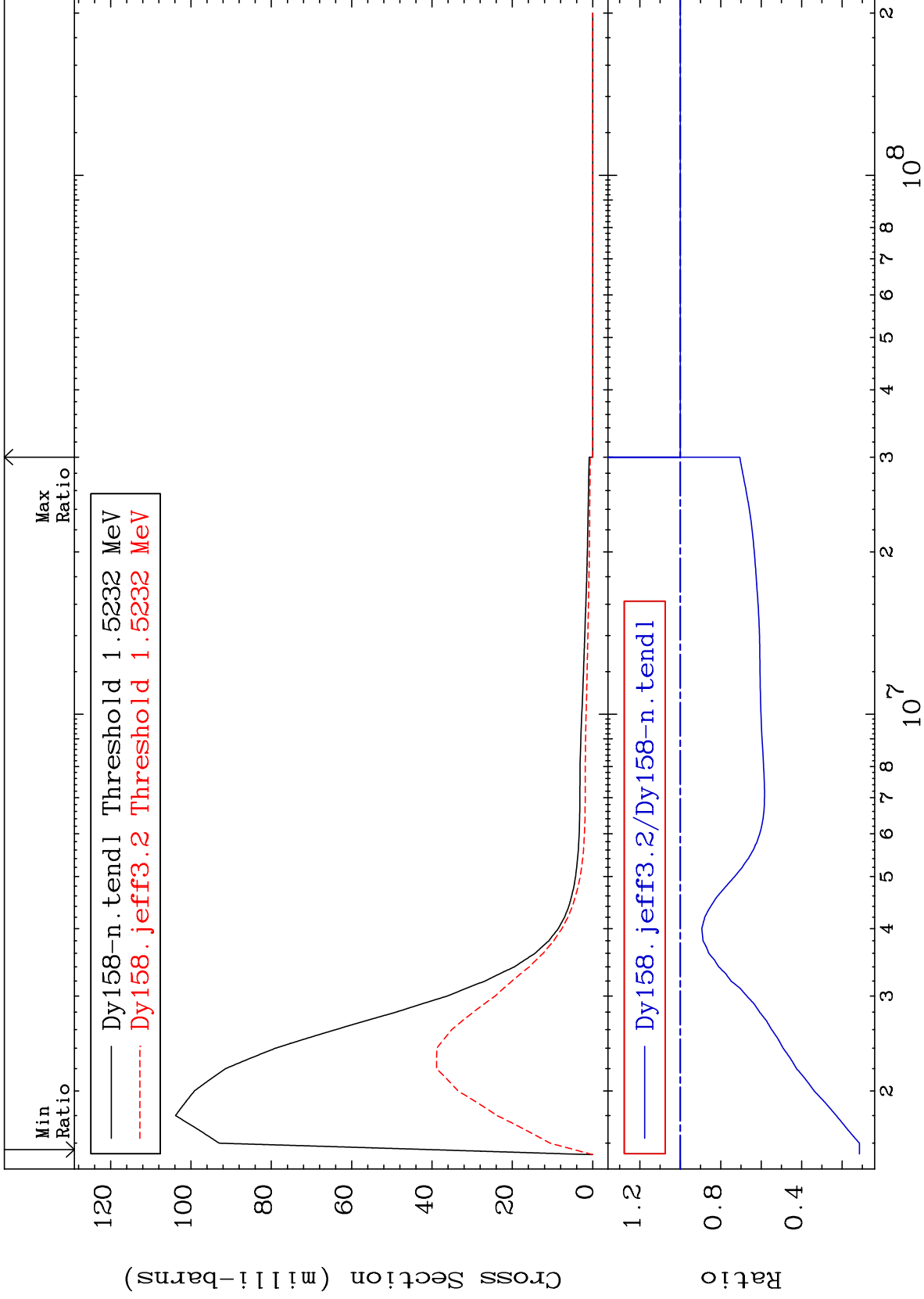
66-Dy-158  
-11.54 To 39.96 %



MAT 6631

1.514 MeV (n,n') Level  
Cross Section

66-Dy-158  
-88.59 To 0.000 %



40

Incident Energy (eV)

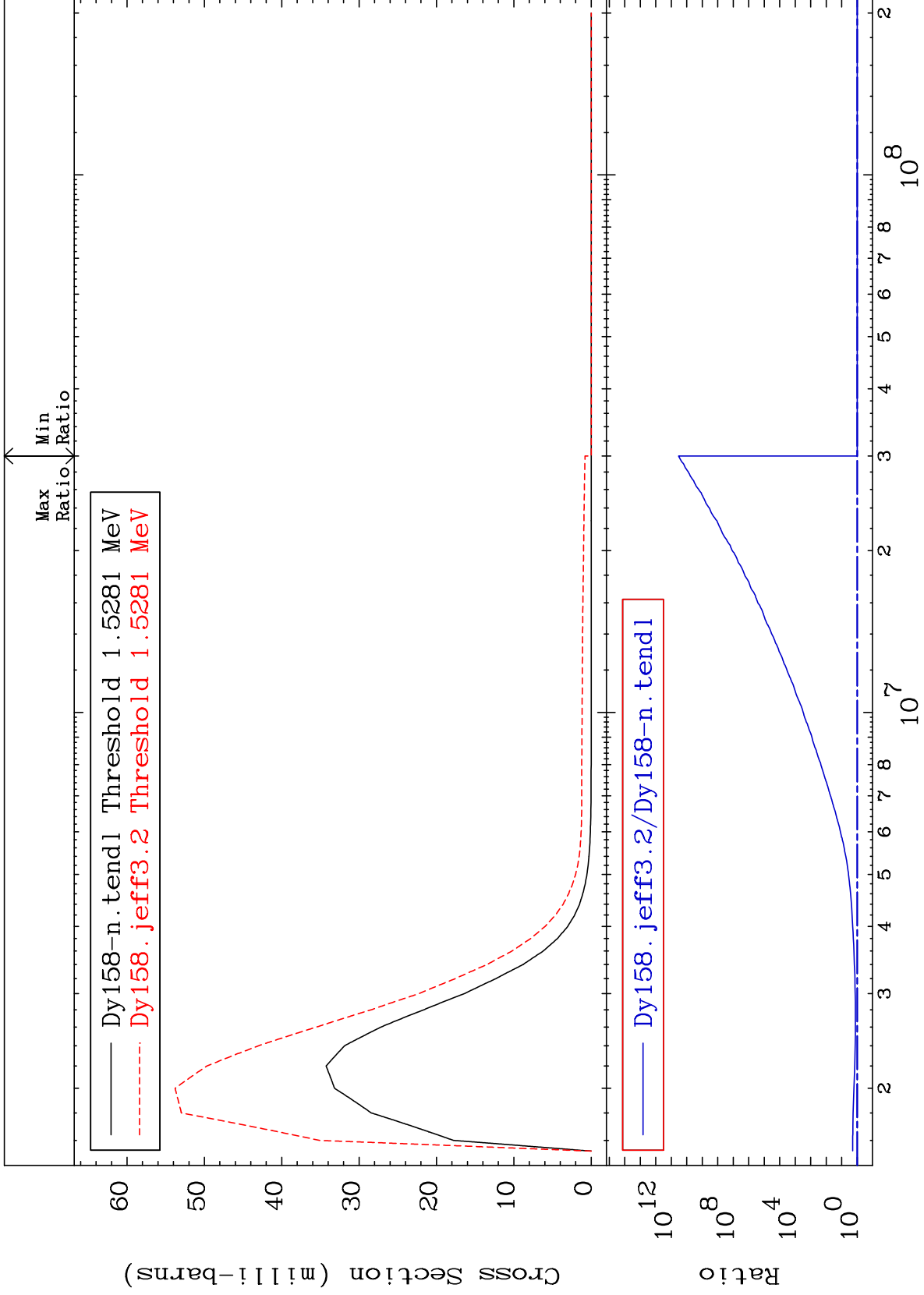
66-Dy-158



MAT 6631

1.518 MeV (n,n') Level  
Cross Section

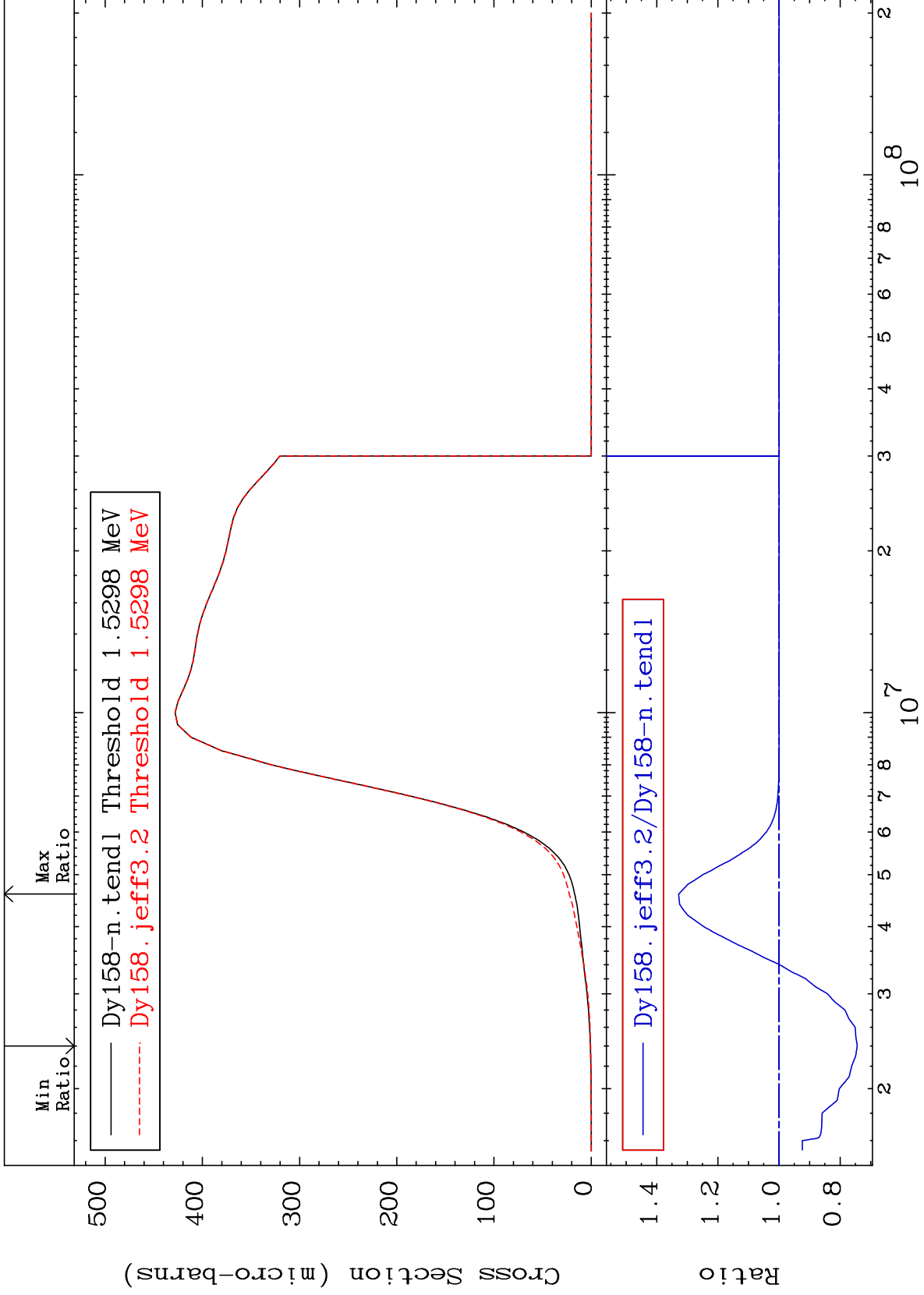
66-Dy-158  
To 9999. %



MAT 6631

1.520 MeV (n,n') Level  
Cross Section

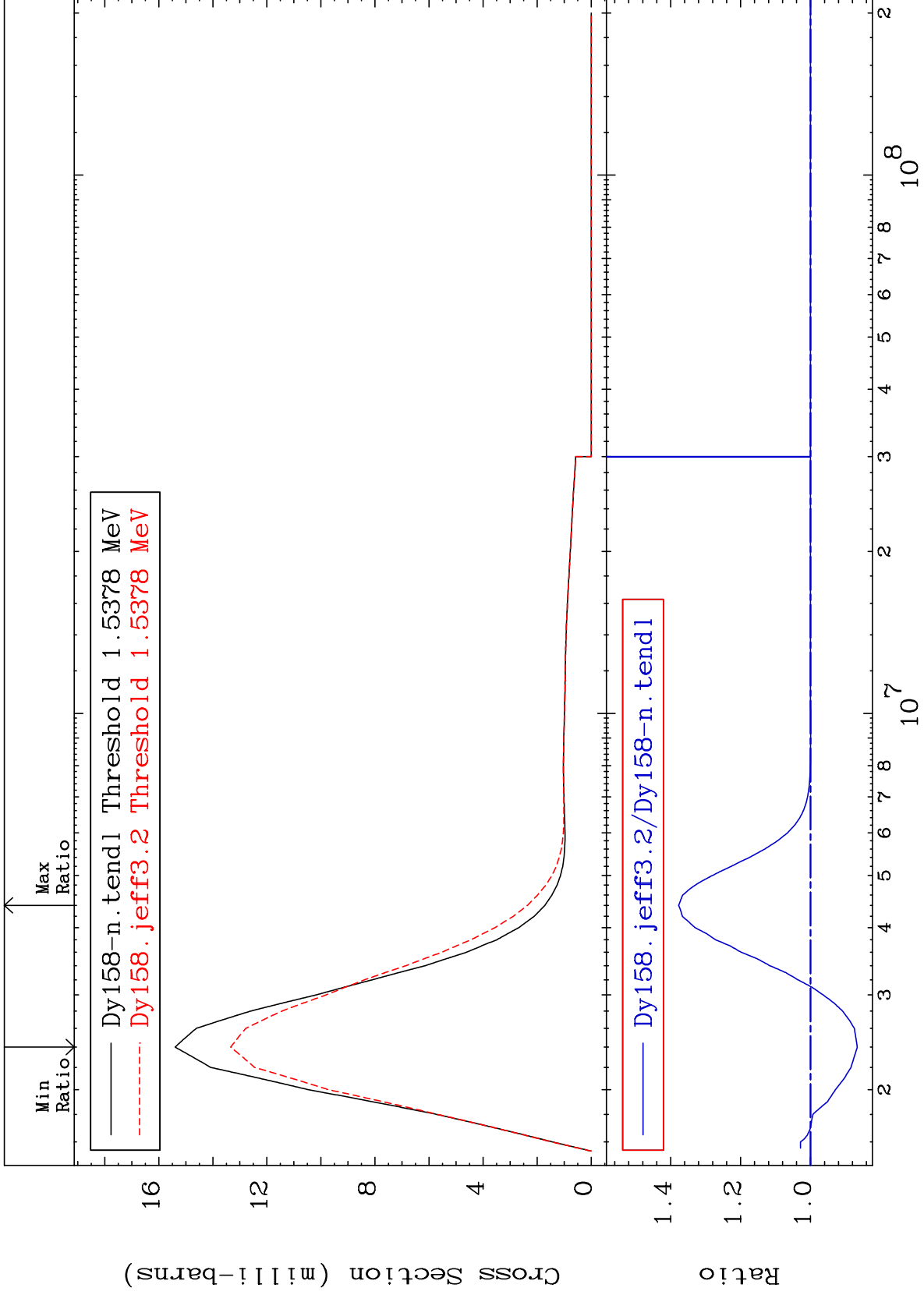
66-Dy-158  
-25.60 To 32.82 %



MAT 6631

1.528 MeV (n,n') Level  
Cross Section

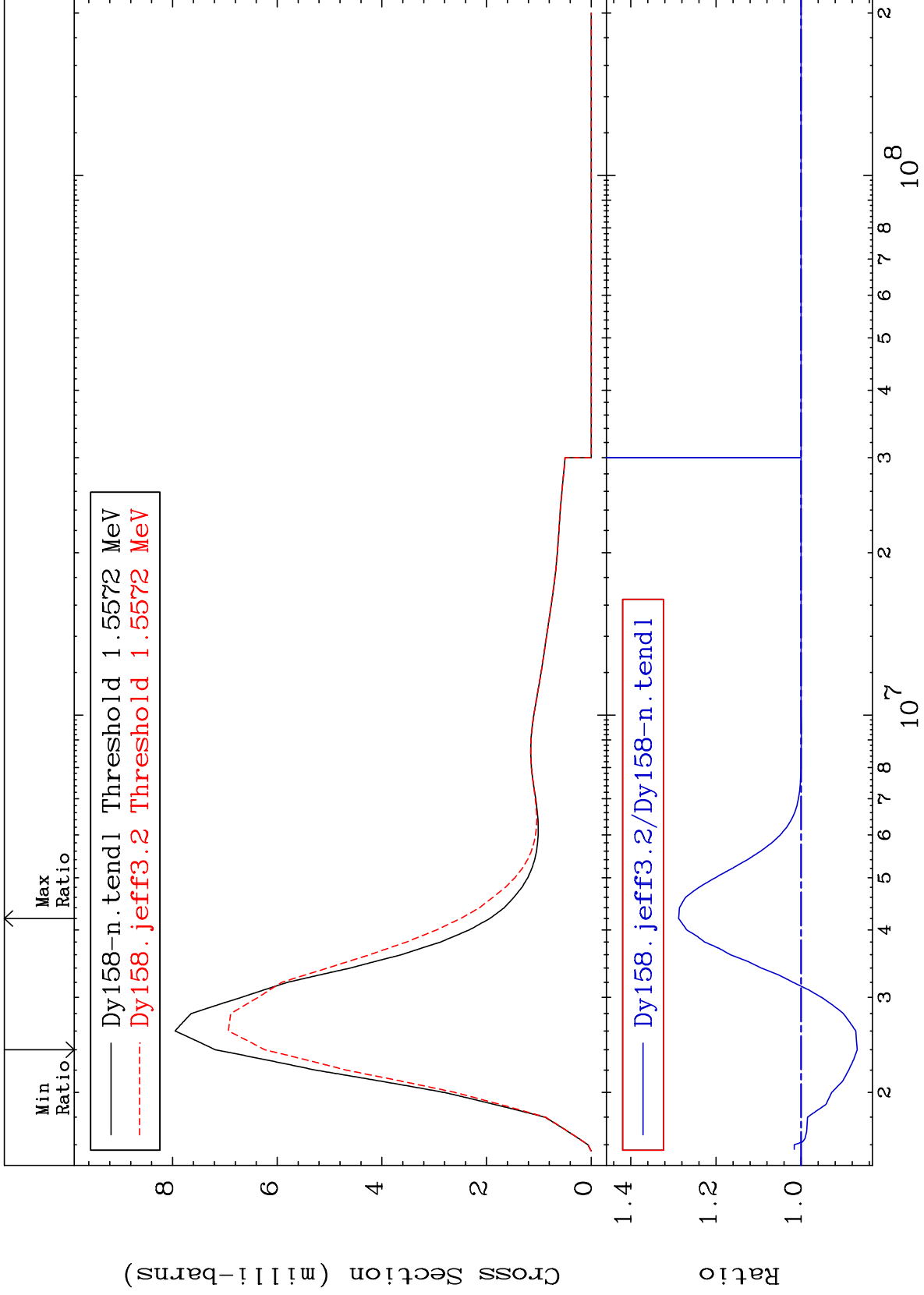
66-Dy-158  
-13.37 To 37.73 %



MAT 6631

1.547 MeV (n,n') Level  
Cross Section

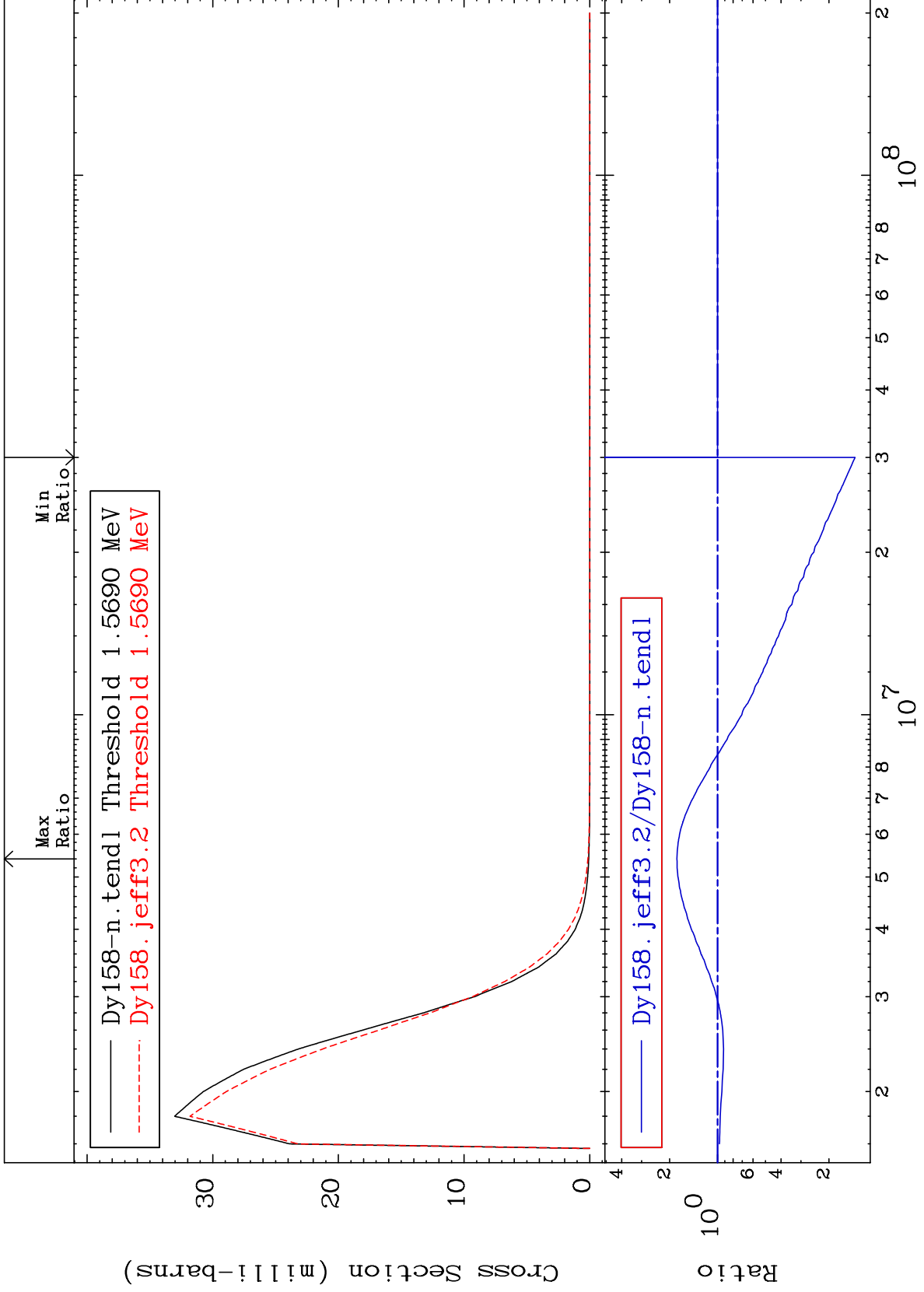
66-Dy-158  
-13.17 To 28.76 %



MAT 6631

1.559 MeV (n,n') Level  
Cross Section

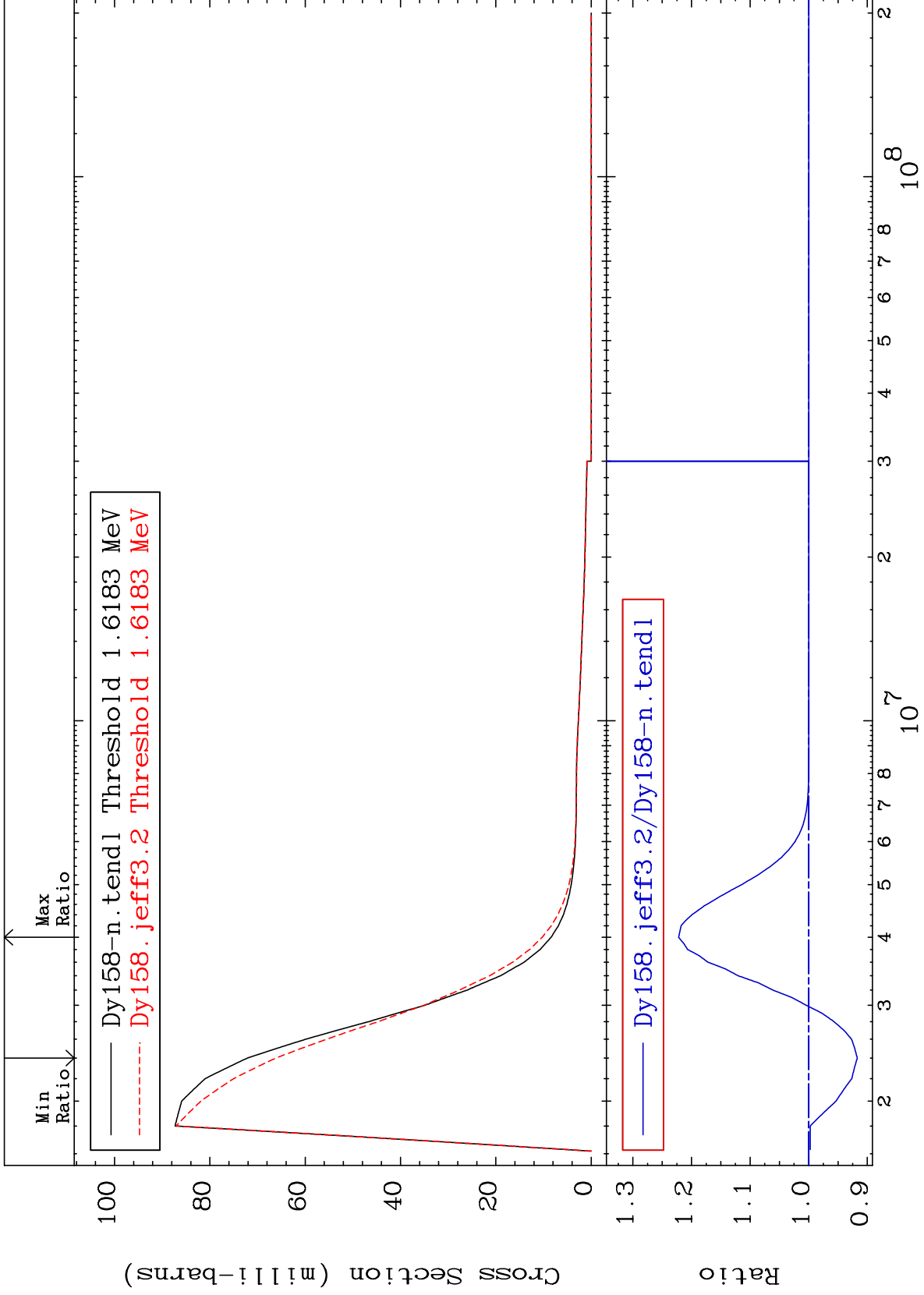
66-Dy-158  
-86.29 To 79.89 %



MAT 6631

1.608 MeV (n,n') Level  
Cross Section

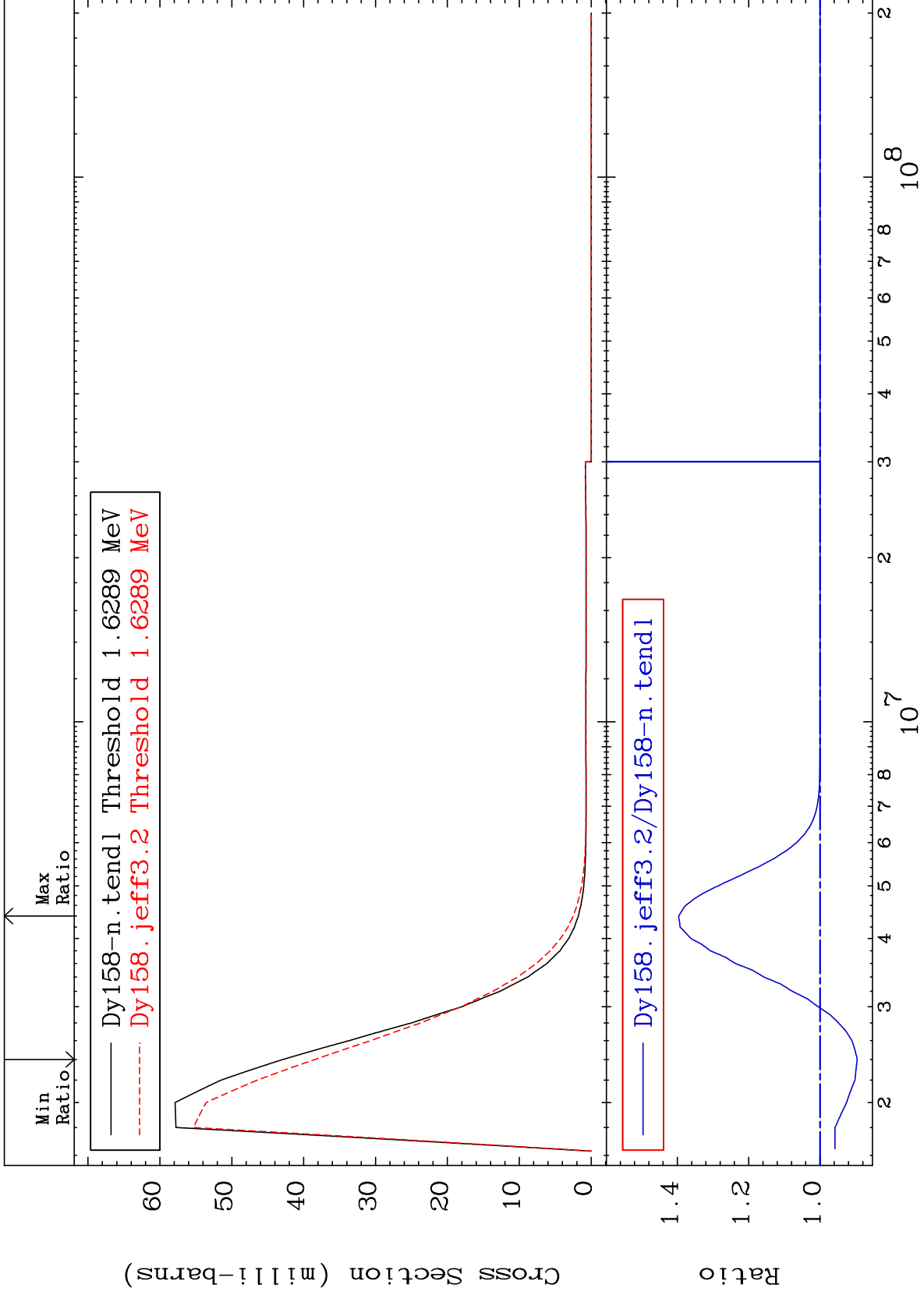
66-Dy-158  
-8.283 To 22.20 %



MAT 6631

1.619 MeV (n,n') Level  
Cross Section

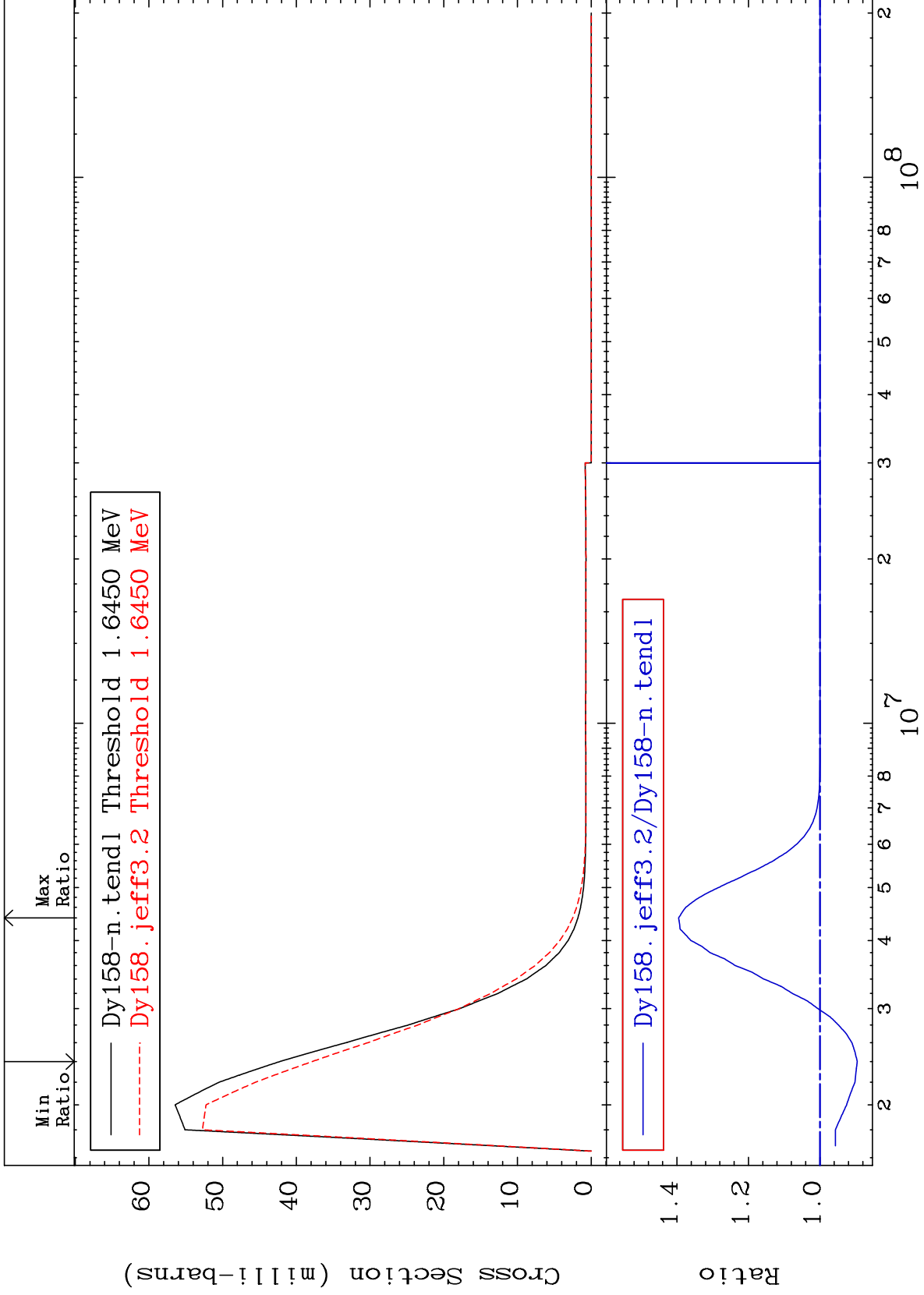
66-Dy-158  
-10.44 To 39.63 %



MAT 6631

1.635 MeV (n,n') Level  
Cross Section

66-Dy-158  
-10.43 To 39.52 %

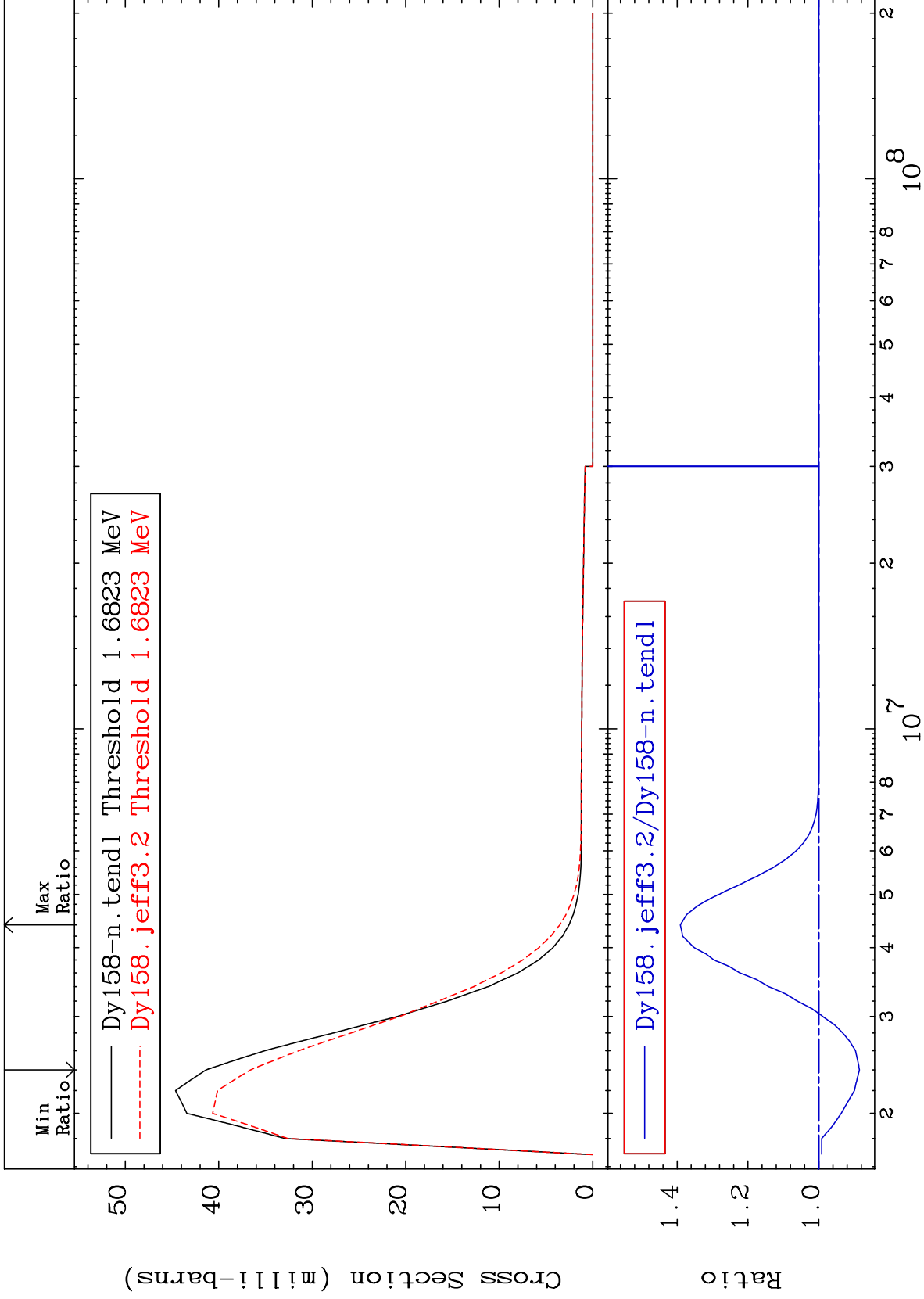


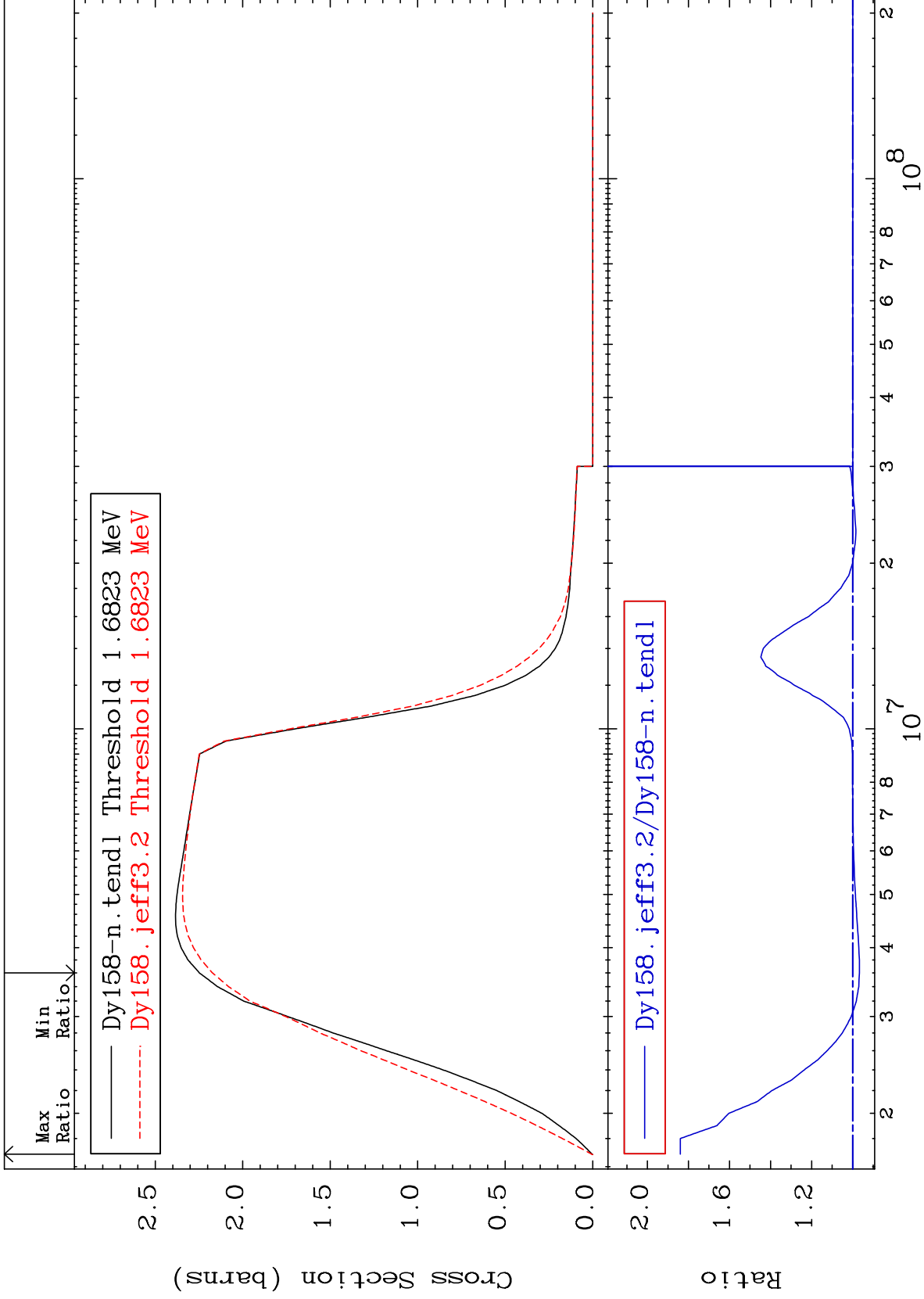


MAT 6631

1.672 MeV (n,n') Level  
Cross Section

66-Dy-158  
-11.50 To 39.08 %

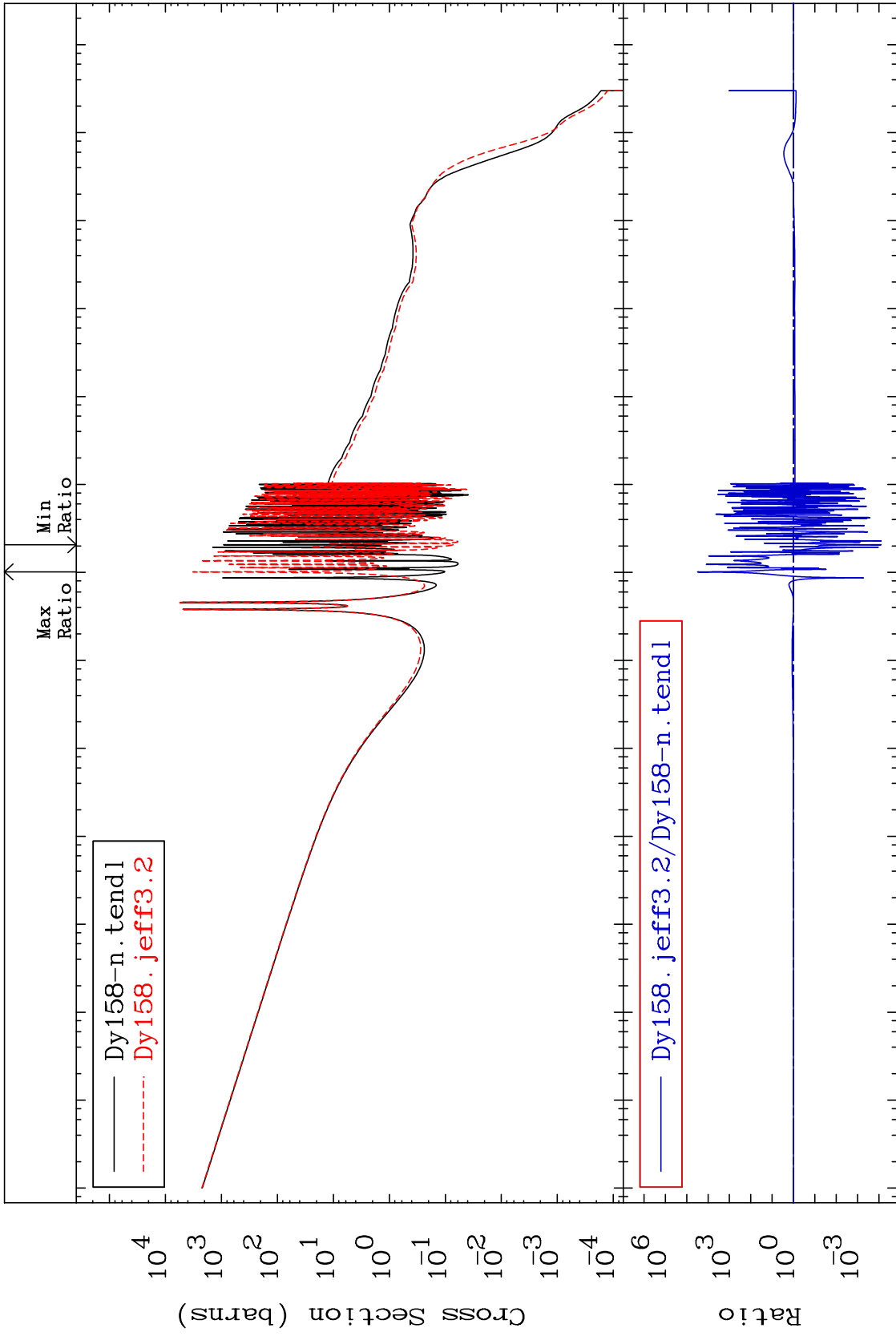




MAT 6631

(n,  $\gamma$ )  
Cross Section

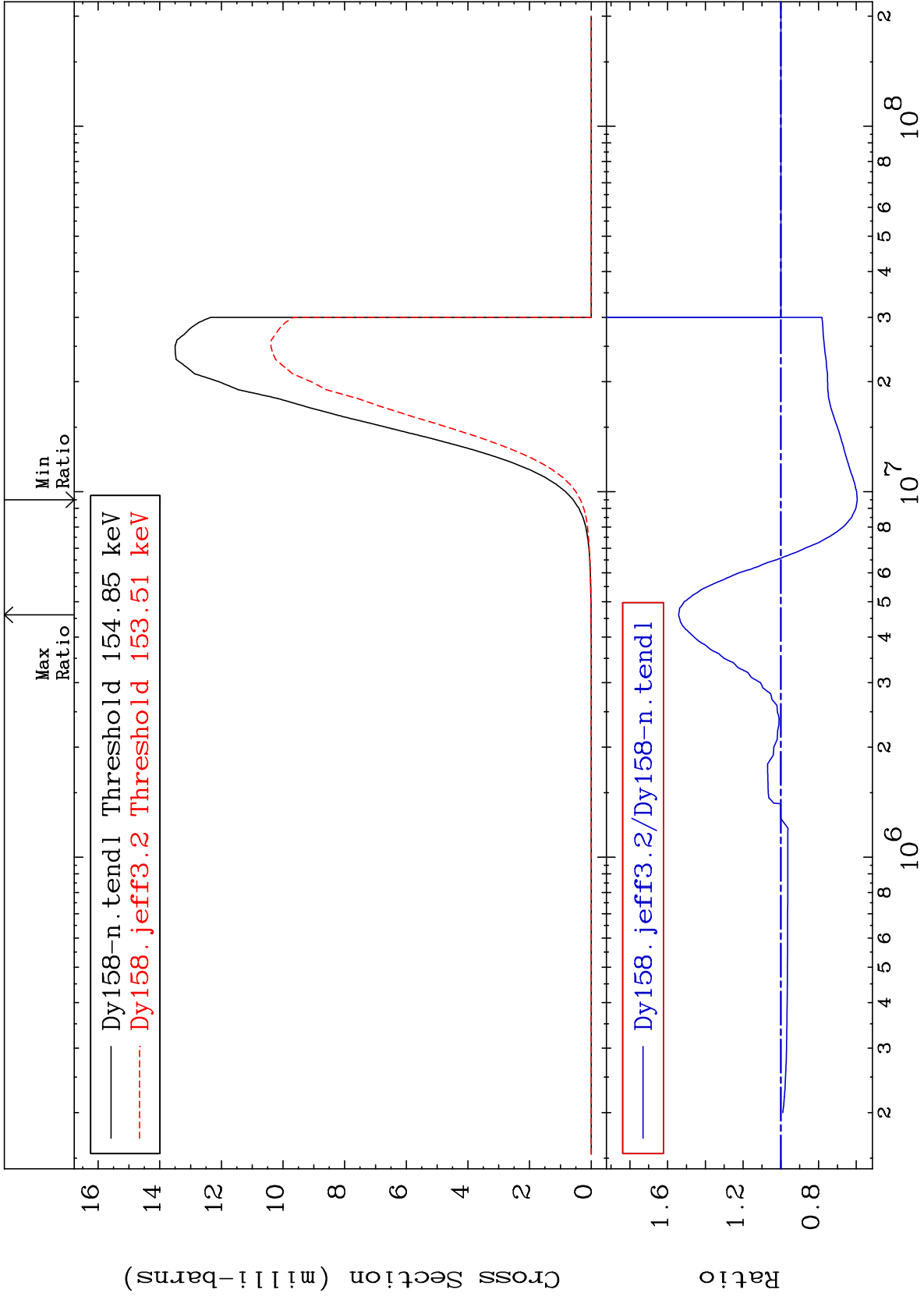
66-Dy-158  
-99.99 To 9999. %



MAT 6631

66-Dy-158  
-40.50 To 54.14 %

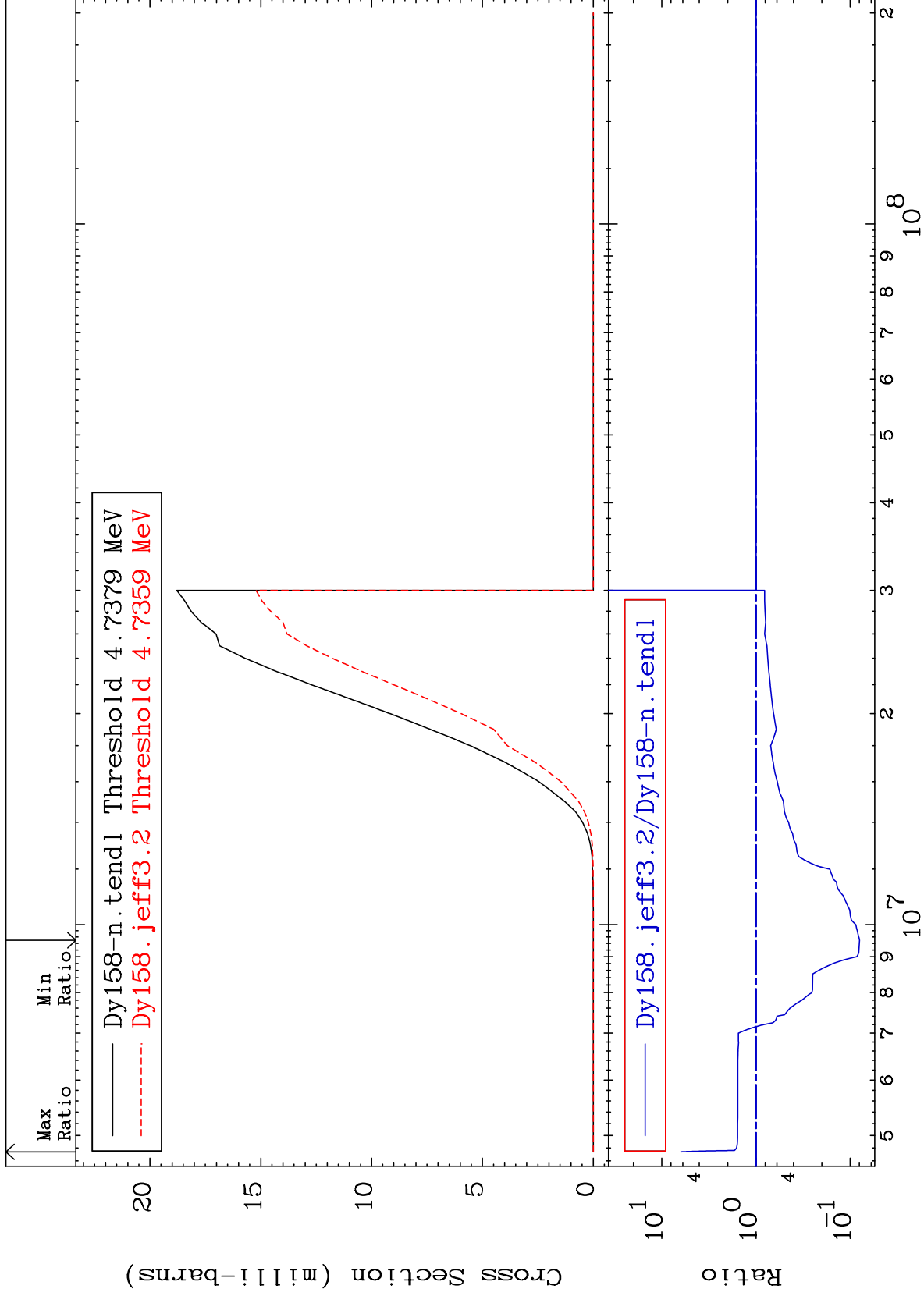
(n,p)  
Cross Section

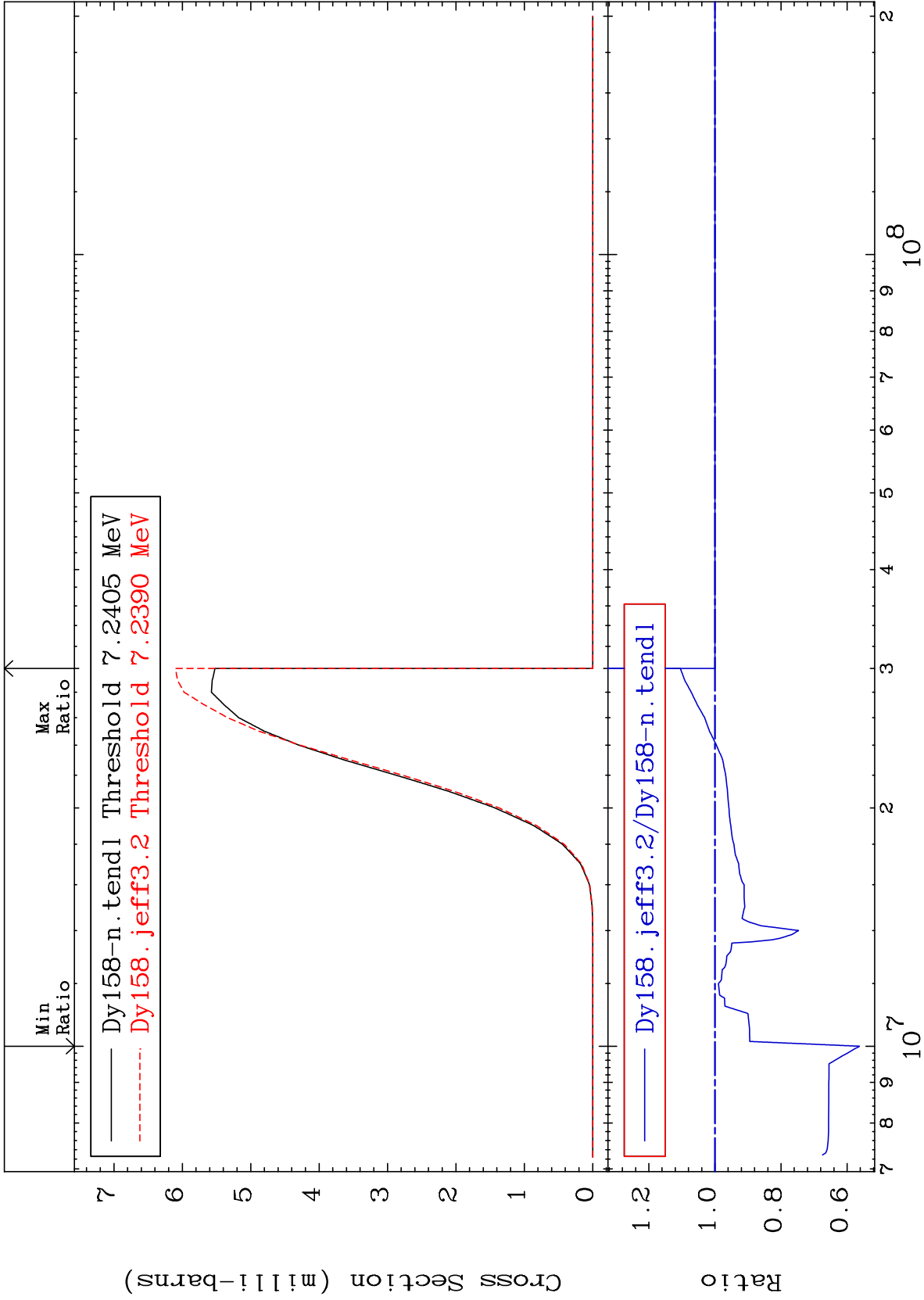


MAT 6631

(n, d)  
Cross Section

66-Dy-158  
-92.03 To 529.5 %

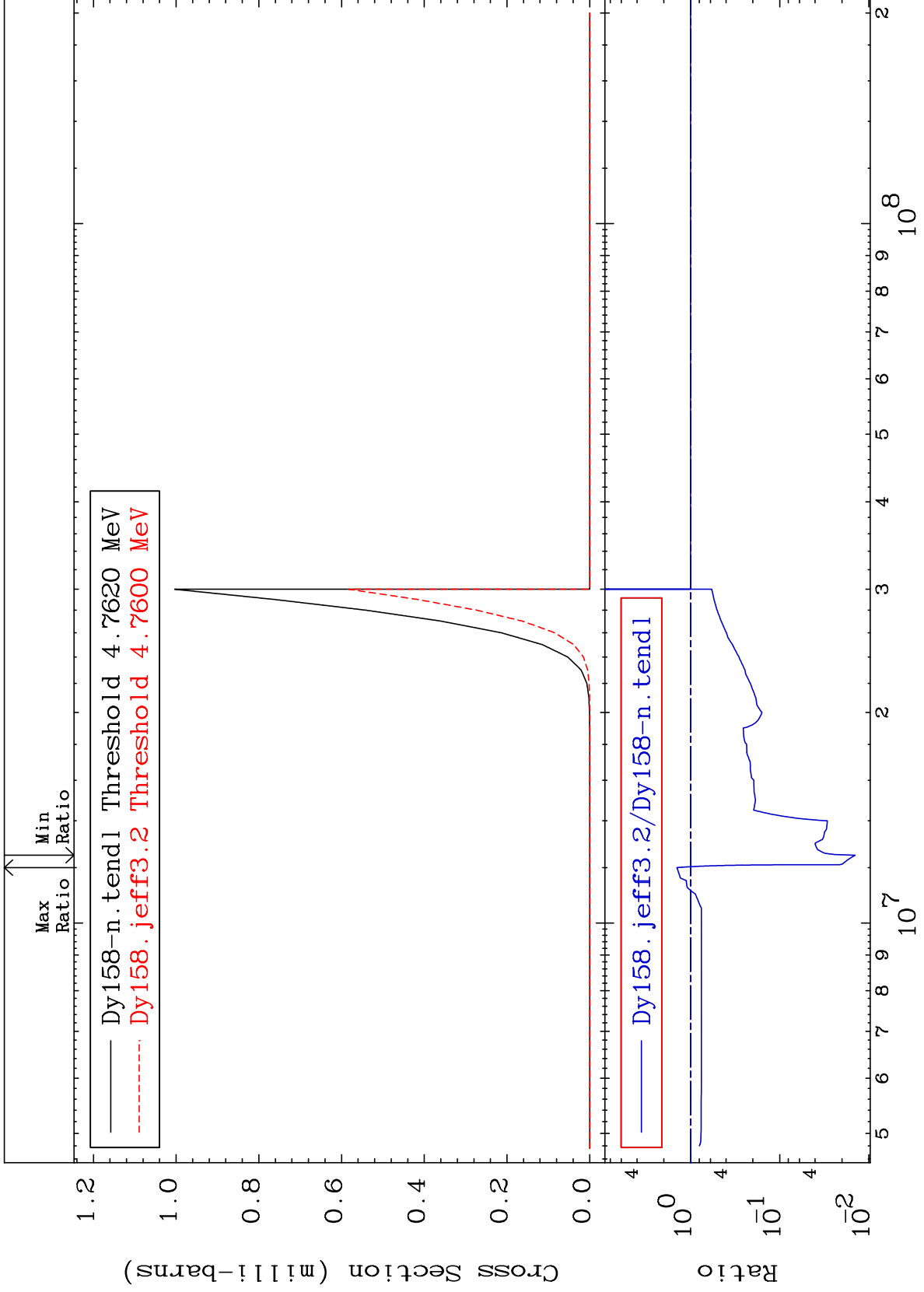




MAT 6631

(n, He-3)  
Cross Section

66-Dy-158  
-98.58 To 42.63 %



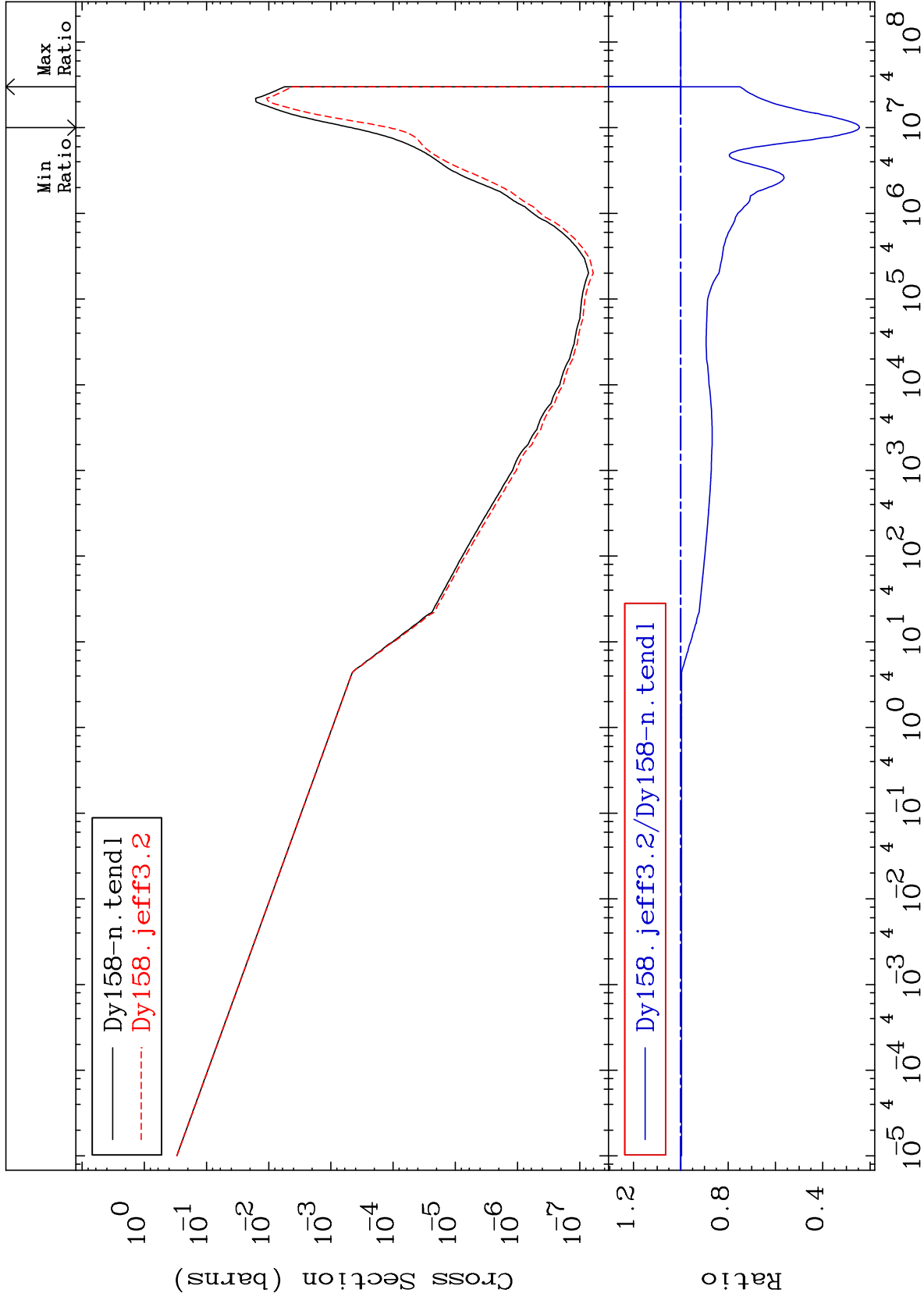
MAT 6631

(n,  $\alpha$ )

Cross Section

66-Dy-158

-75.55 To 0.000 %



56

Incident Energy (eV)

66-Dy-158



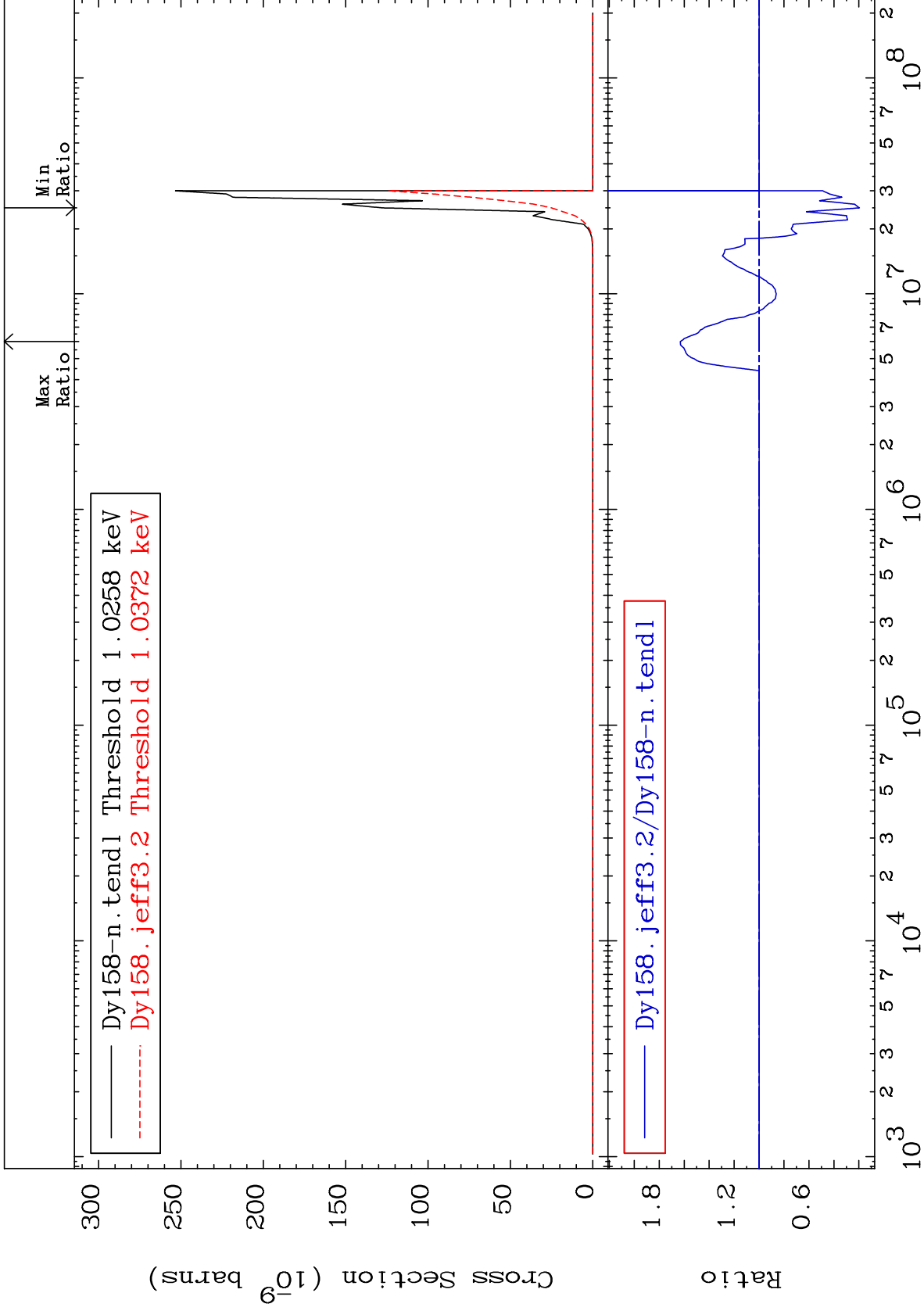
MAT 6631

(n,2α)

Cross Section

66-Dy-158

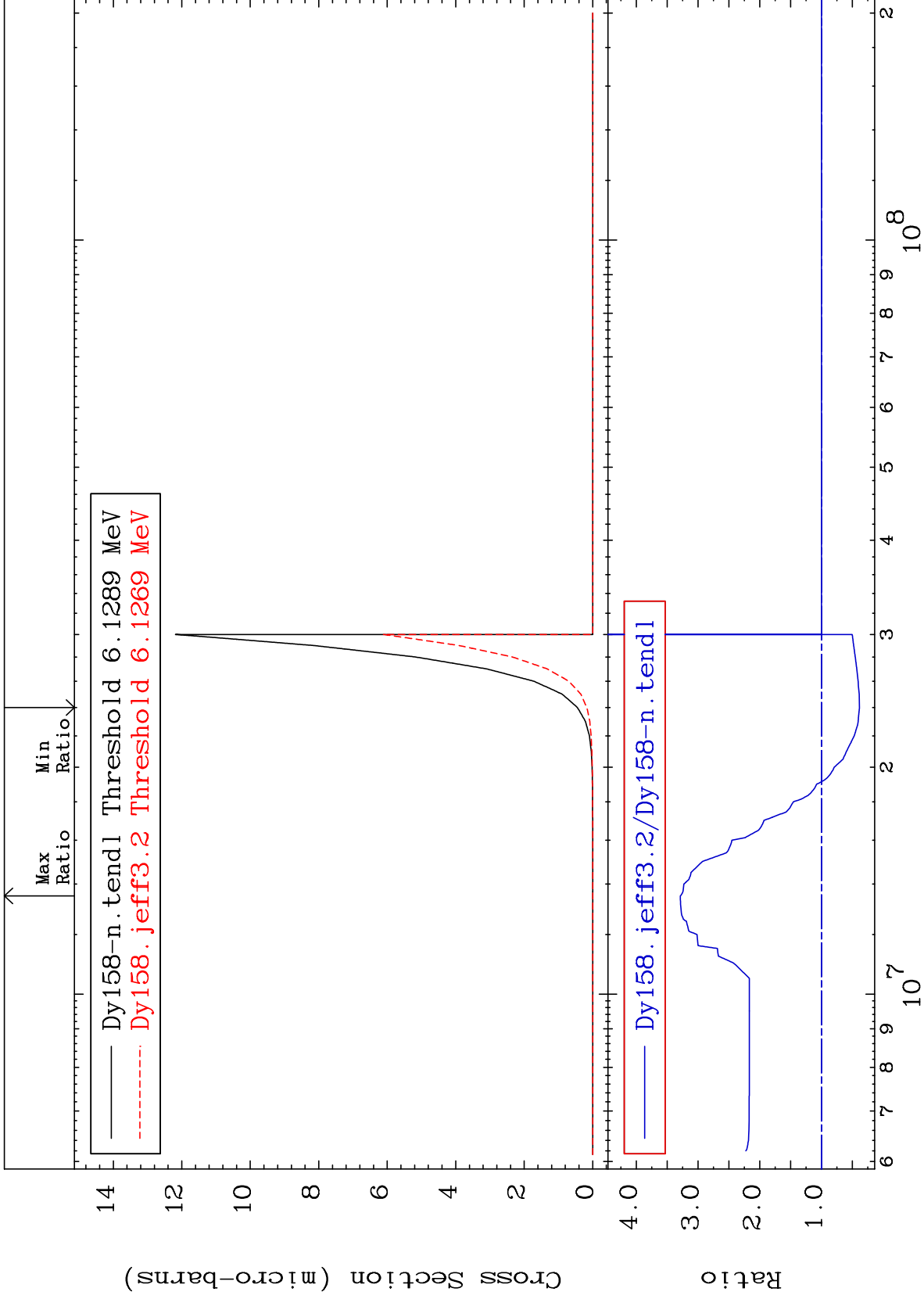
-80.42 To 63.06 %

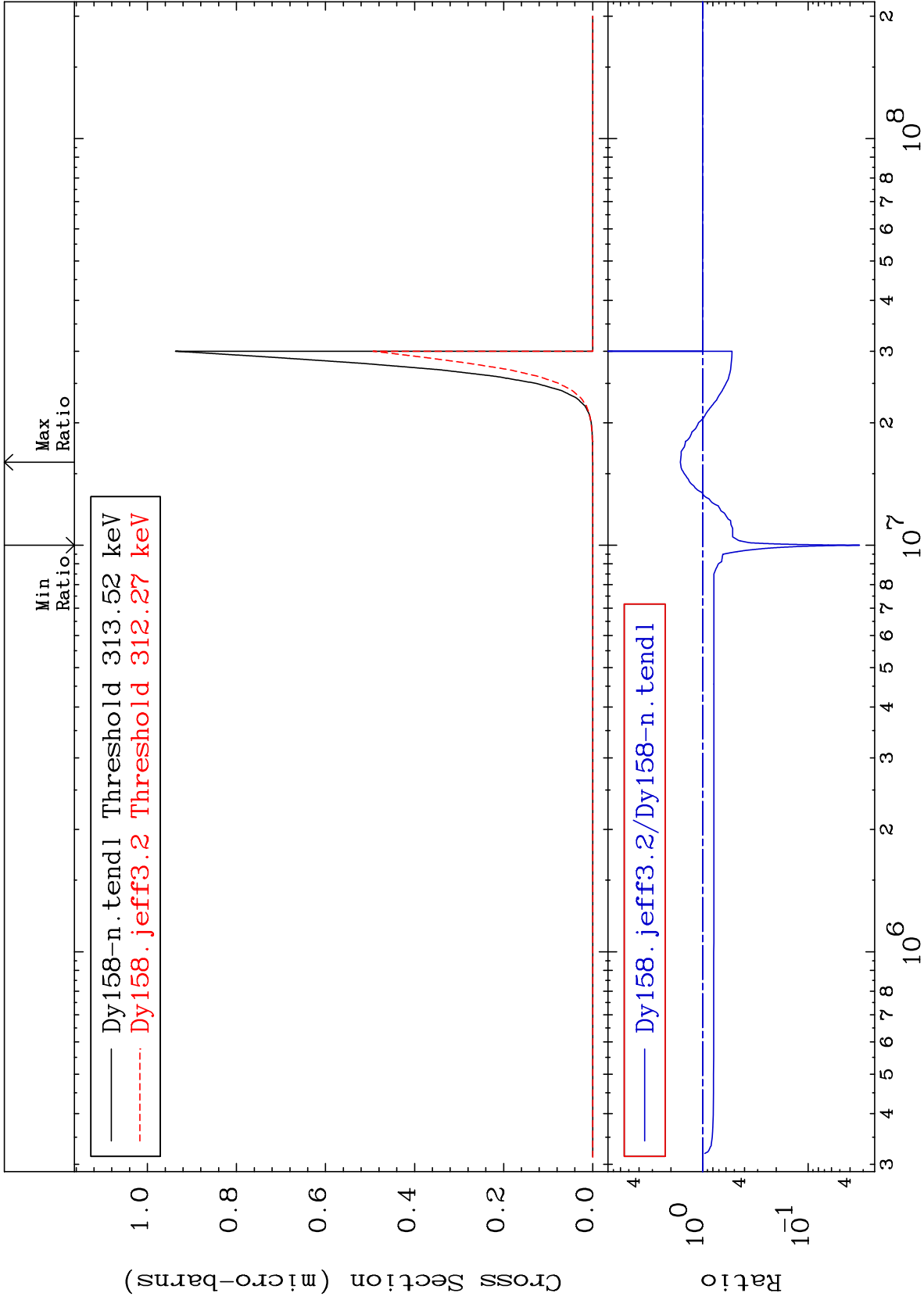


57

Incident Energy (eV)

66-Dy-158

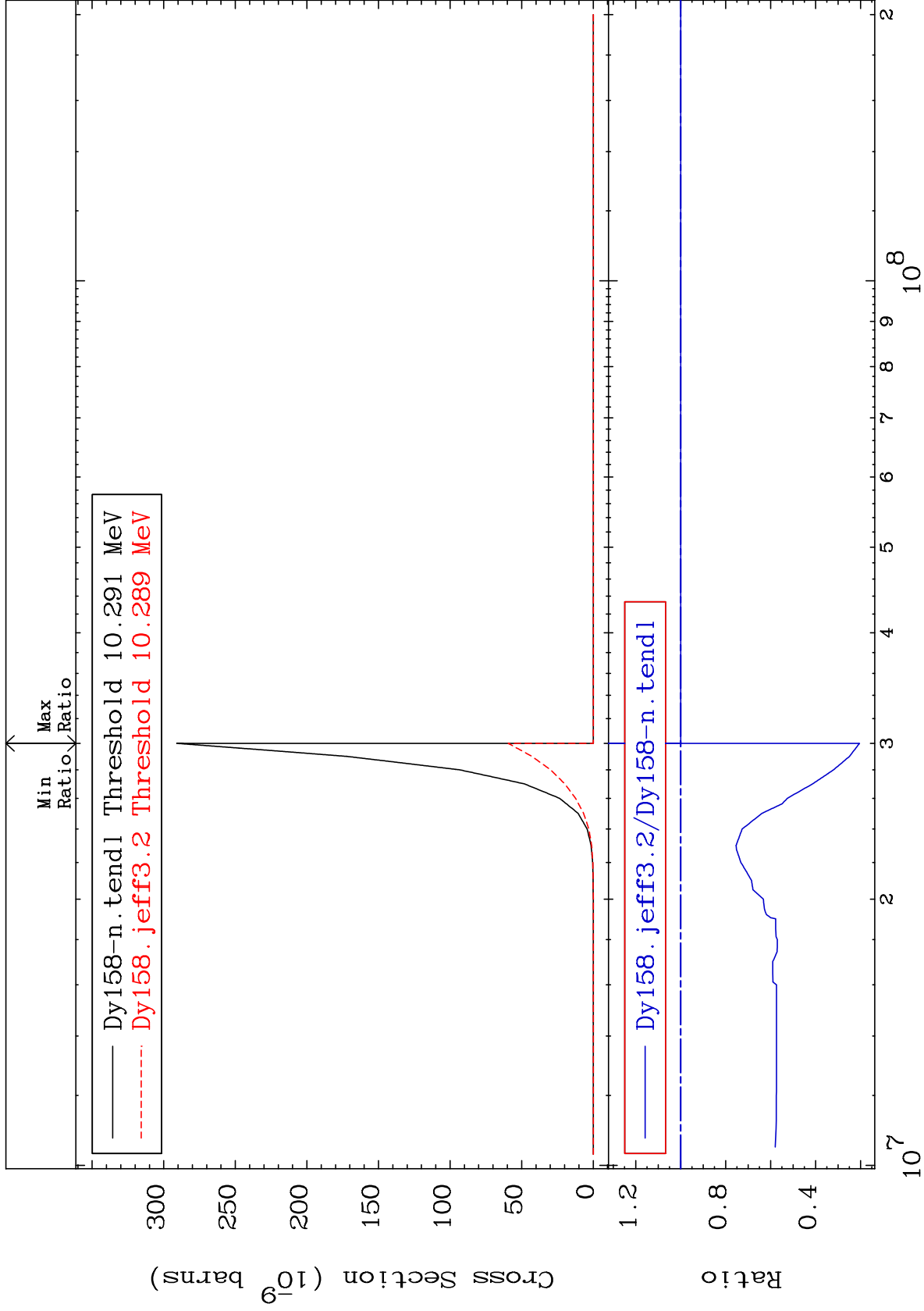




MAT 6631

(n, p) d  
Cross Section

66-Dy-158  
-79.57 To 0.000 %



60

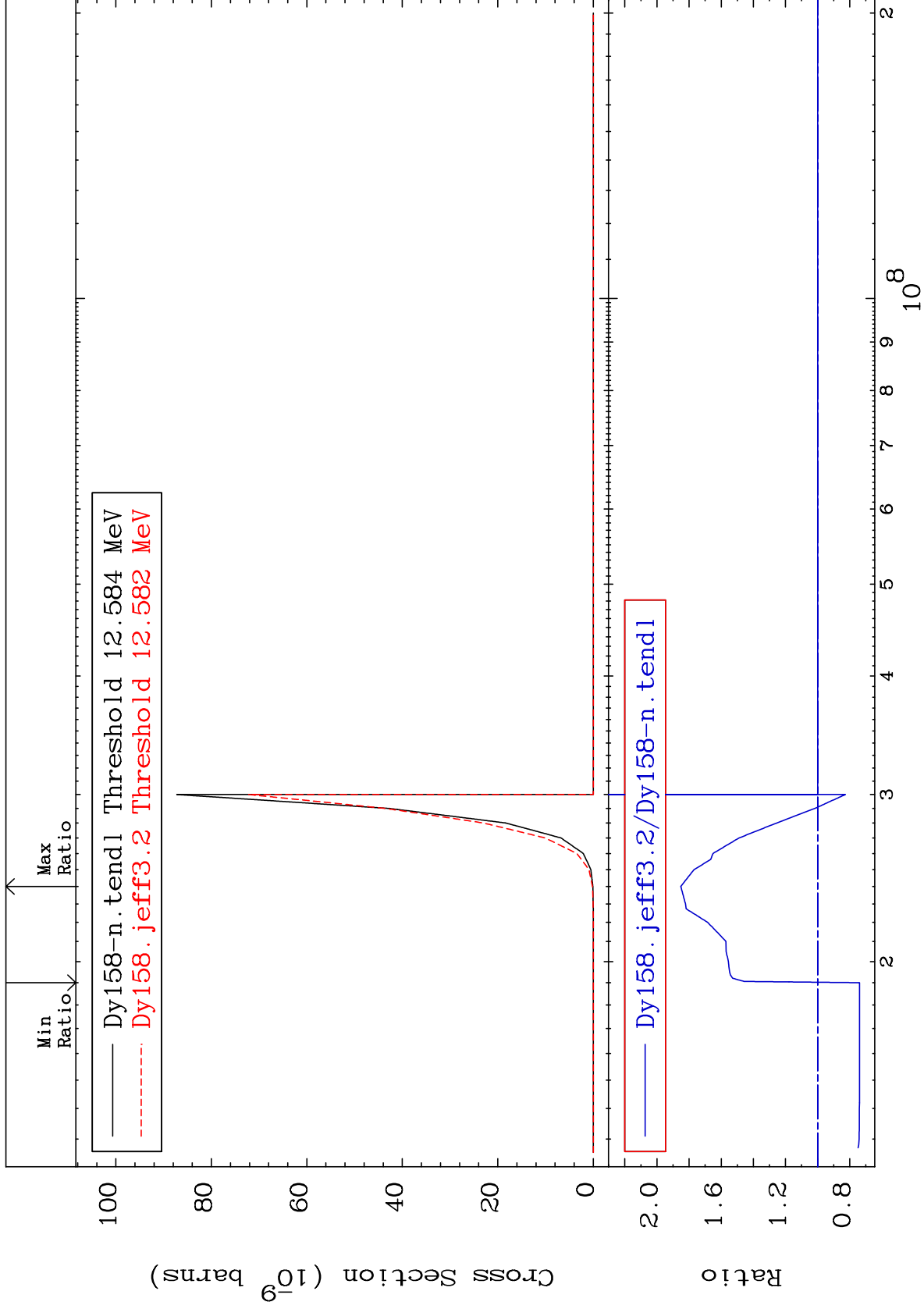
Incident Energy (eV)

66-Dy-158

MAT 6631

(n,p) t  
Cross Section

66-Dy-158  
-26.09 To 85.18 %



61

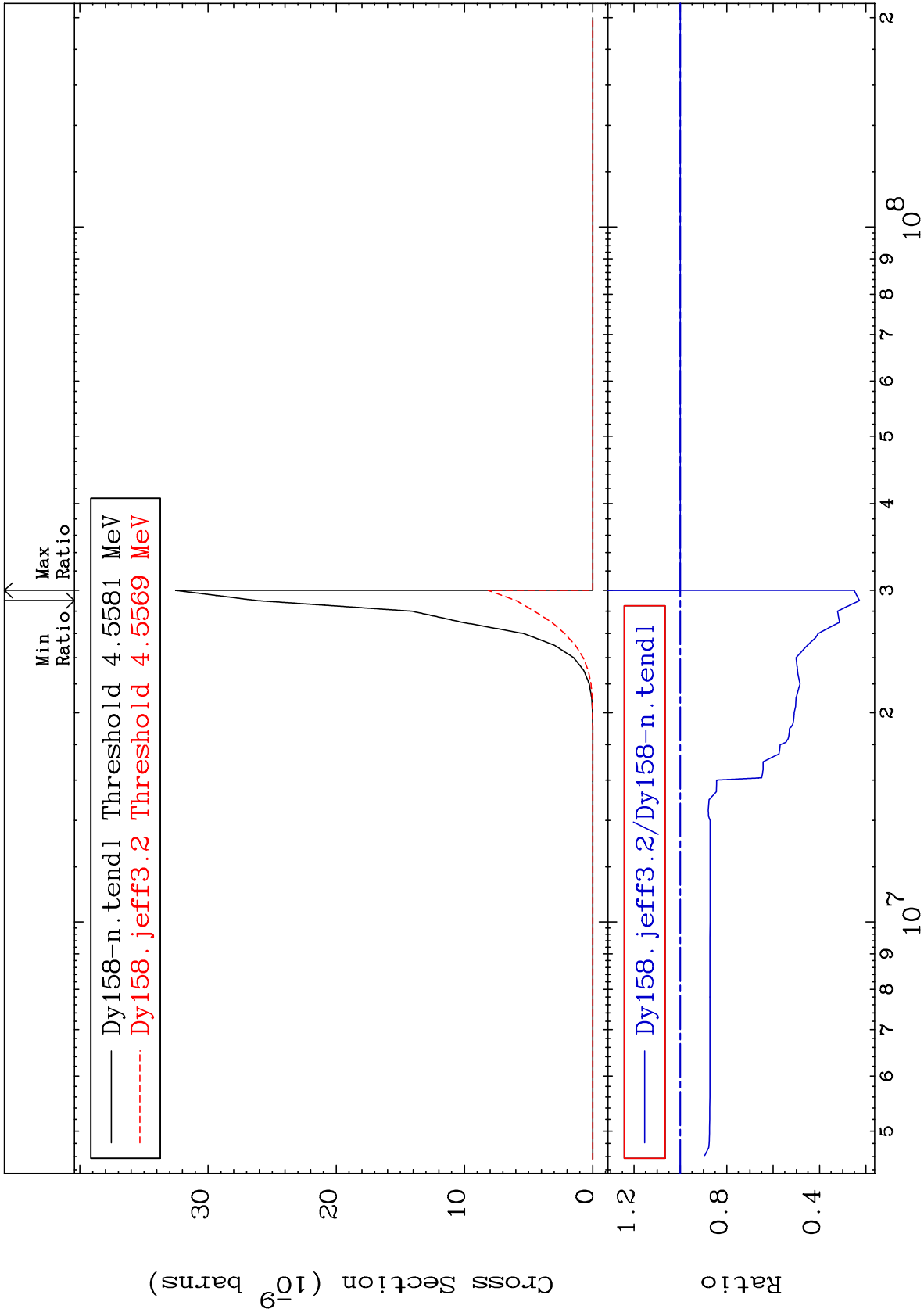
Incident Energy (eV)

66-Dy-158

MAT 6631

(n, d)  $\alpha$   
Cross Section

66-Dy-158  
-77.19 To 0.000 %



62

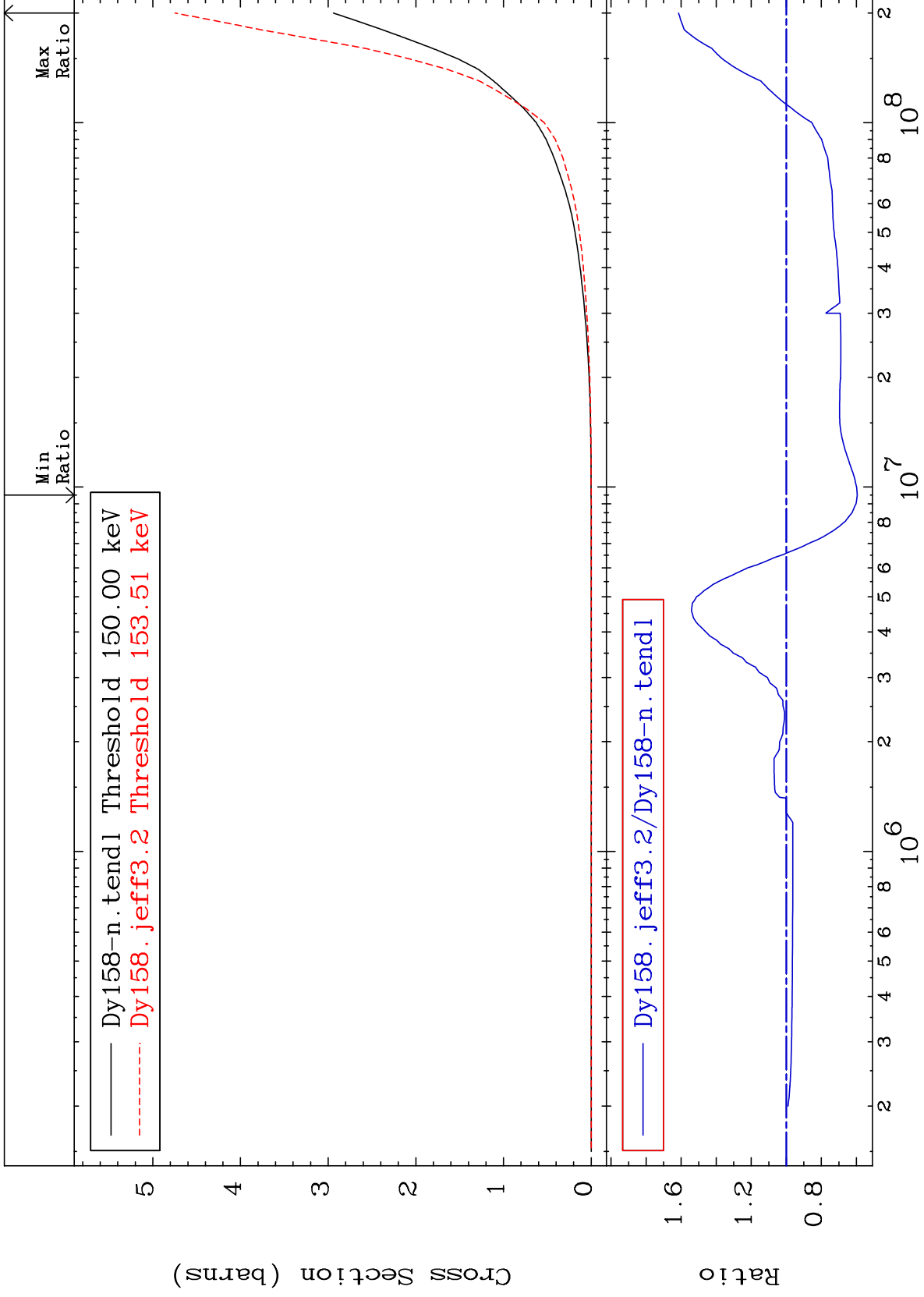
Incident Energy (eV)

66-Dy-158

MAT 6631

Hydrogen Production  
Cross Section

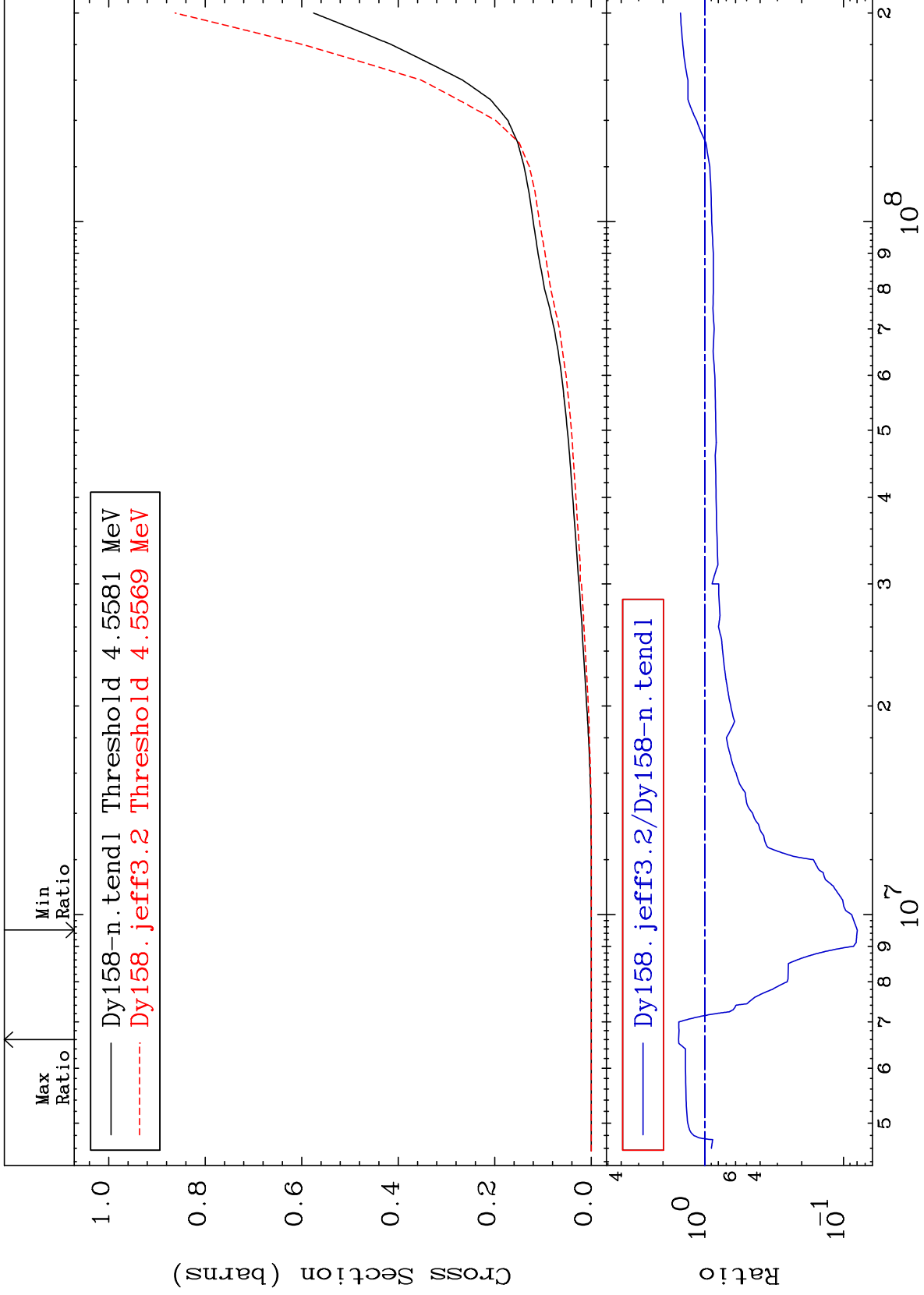
66-Dy-158  
-40.50 To 61.44 %



MAT 6631

Deuterium Production  
Cross Section

66-Dy-158  
-92.03 To 54.42 %

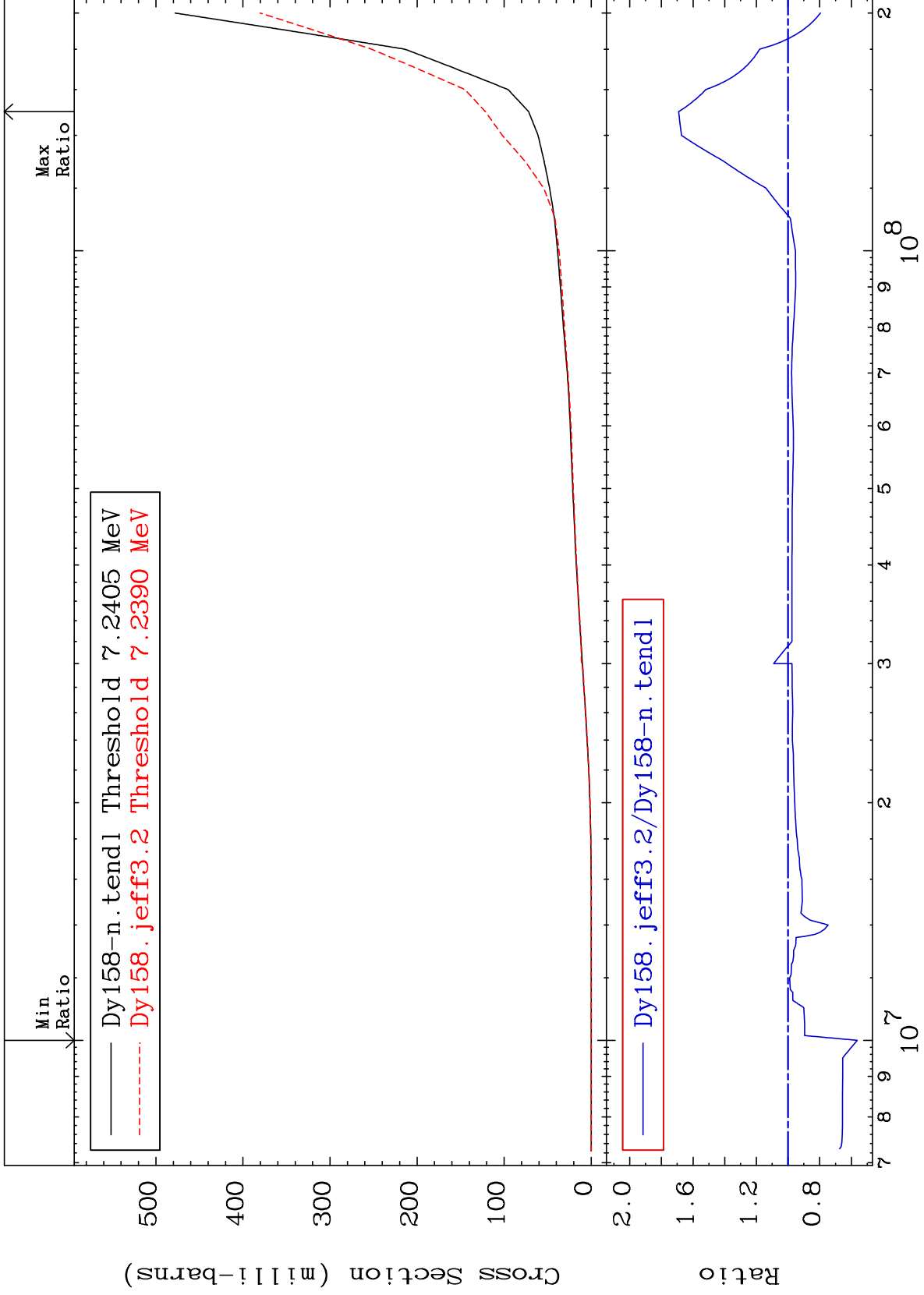




MAT 6631

Tritium Production  
Cross Section

66-Dy-158  
-43.73 To 69.11 %



65

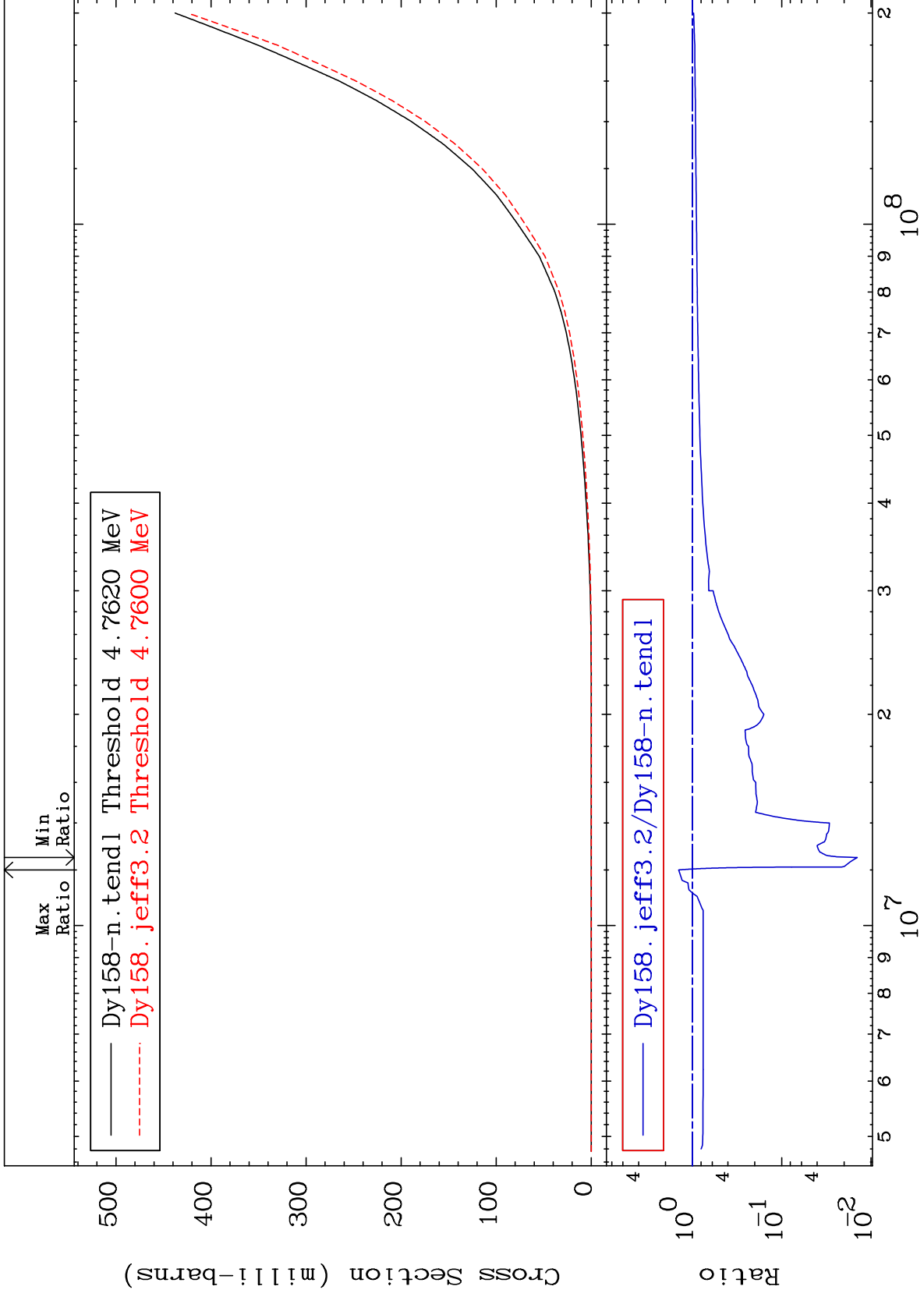
Incident Energy (eV)

66-Dy-158

MAT 6631

He-3 Production  
Cross Section

66-Dy-158  
-98.58 To 42.63 %



66

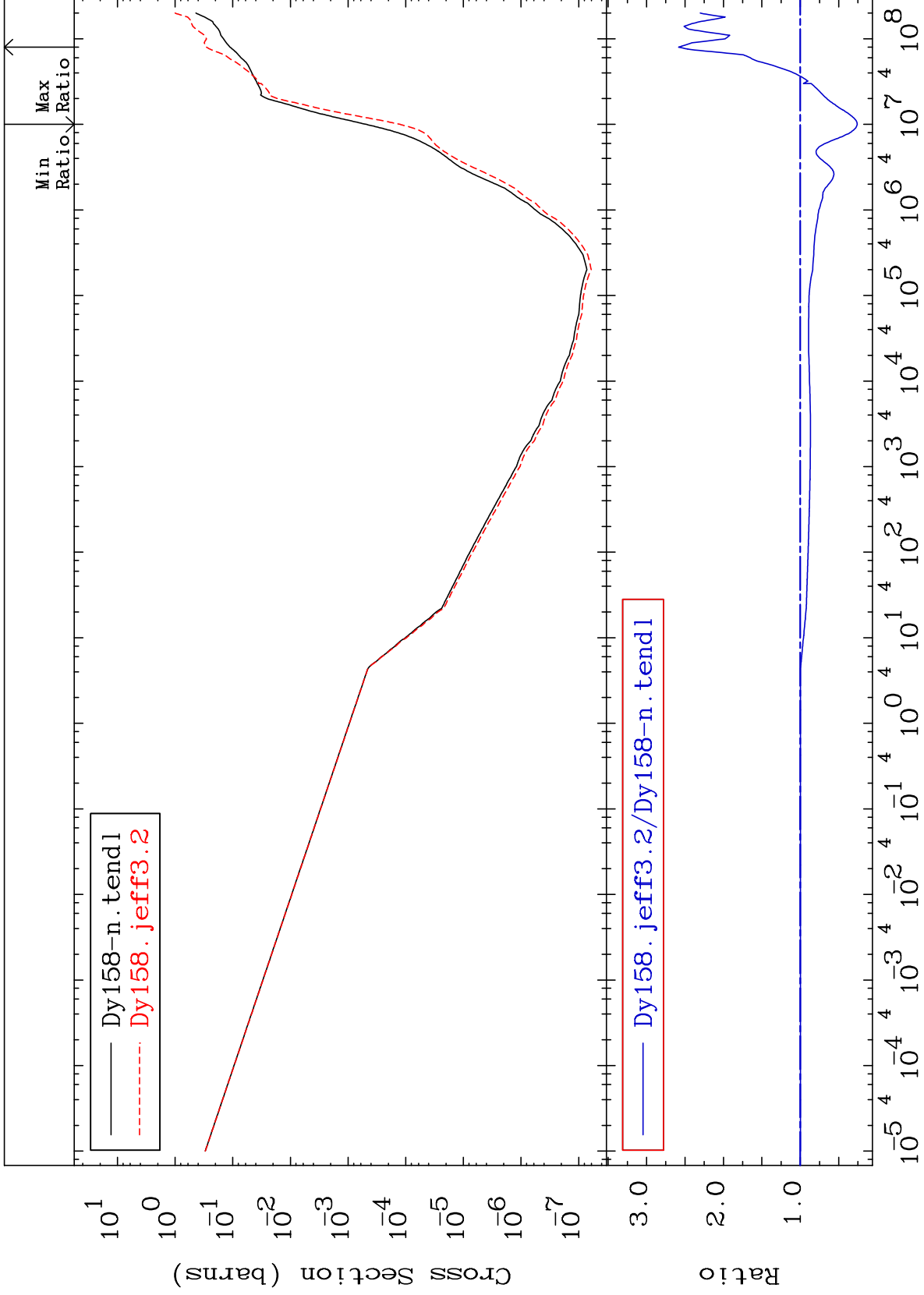
Incident Energy (eV)

66-Dy-158

MAT 6631

He-4 Production  
Cross Section

66-Dy-158  
-74.09 To 158.3 %



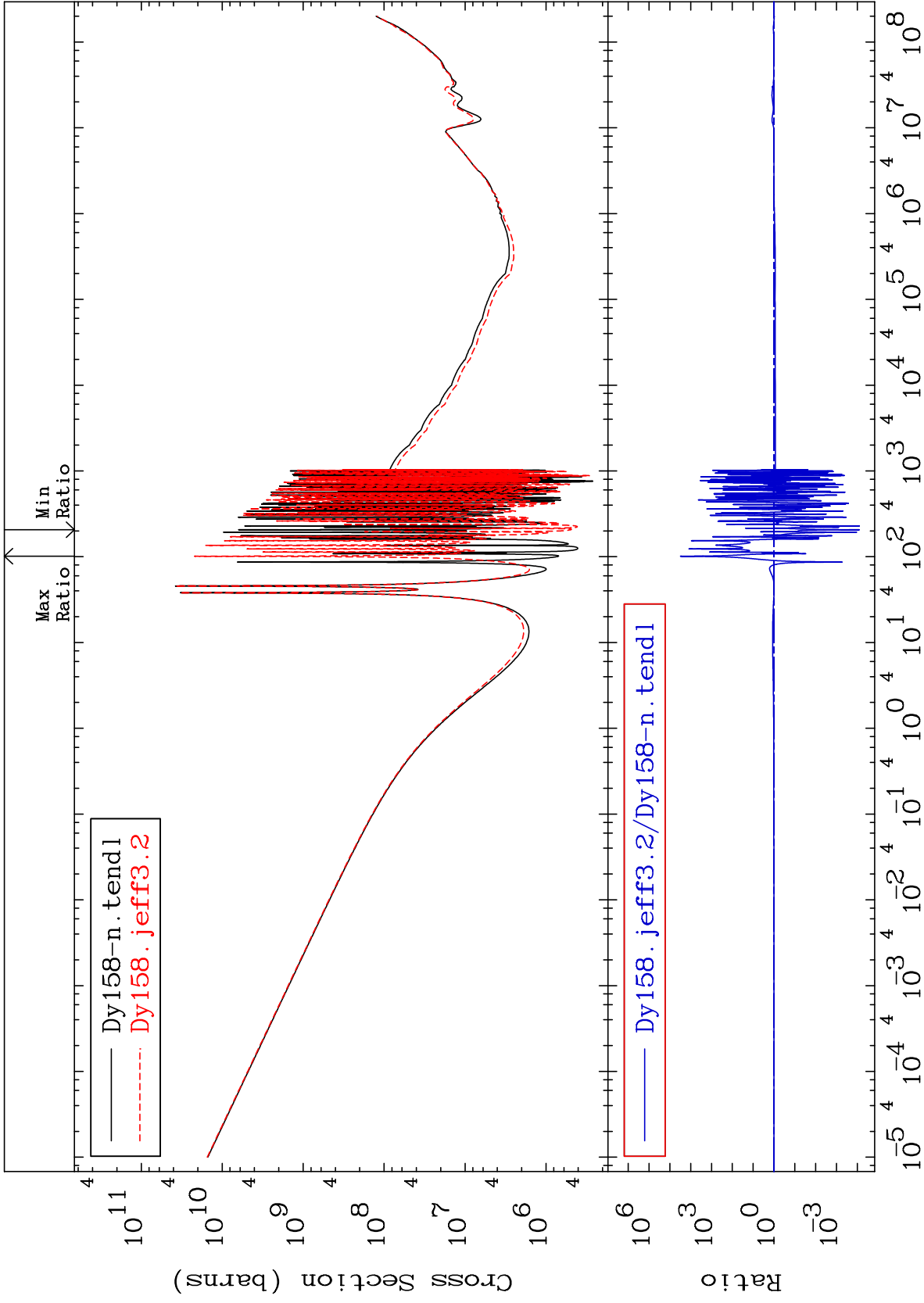
67

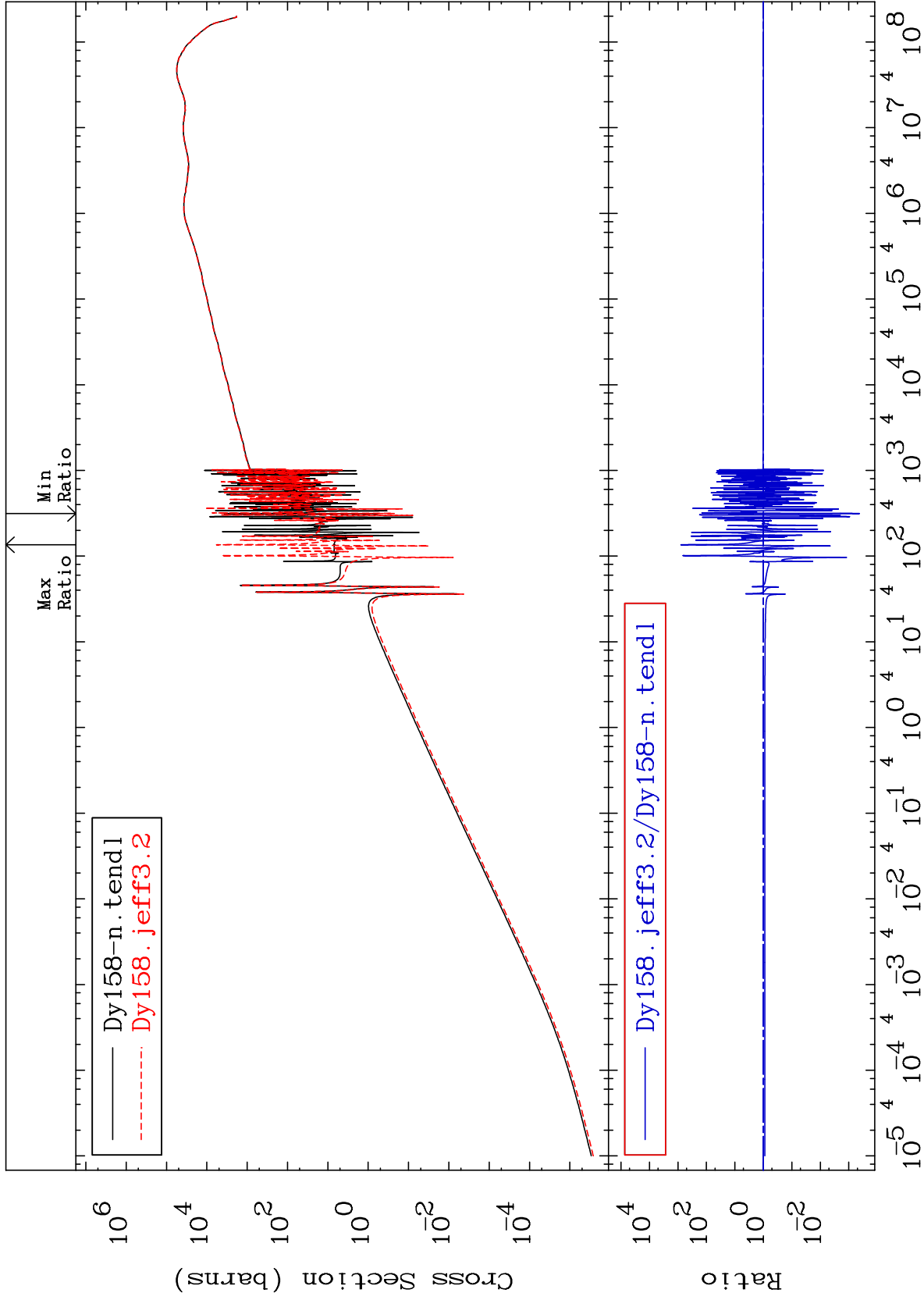
Incident Energy (eV)

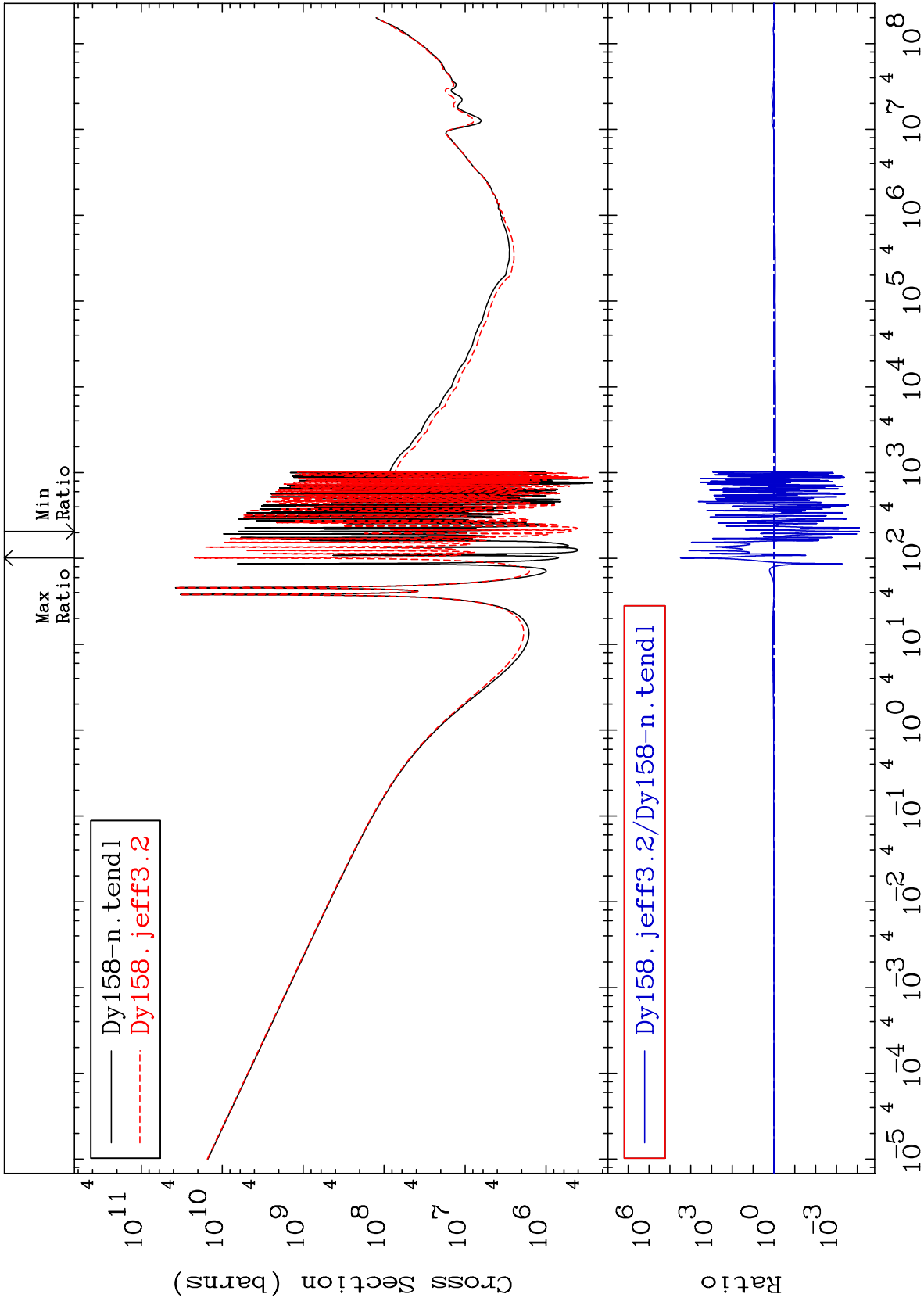
66-Dy-158

Cross Section

-99.99 To 9999. %



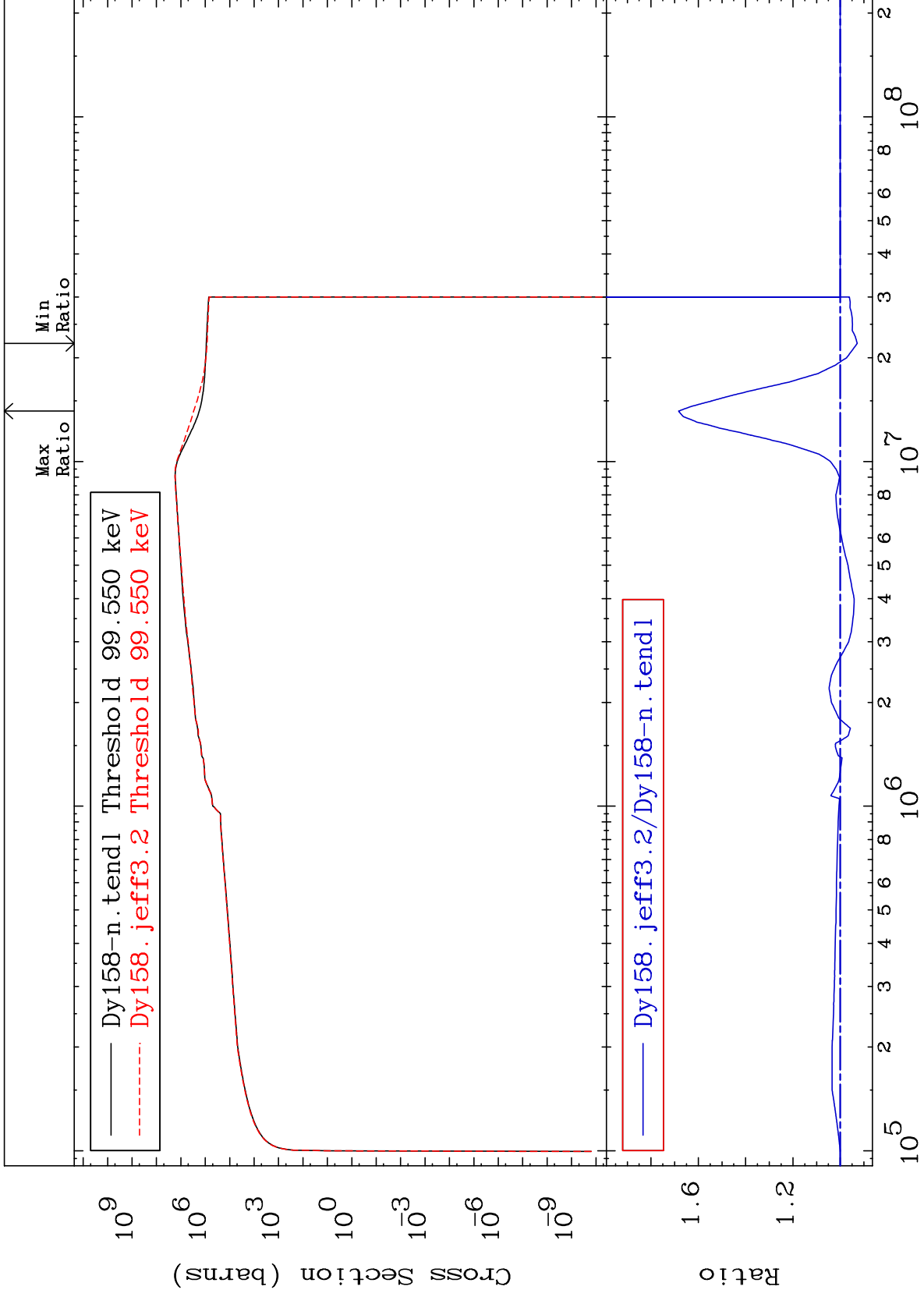




MAT 6631

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-158  
-7.185 To 68.32 %



71

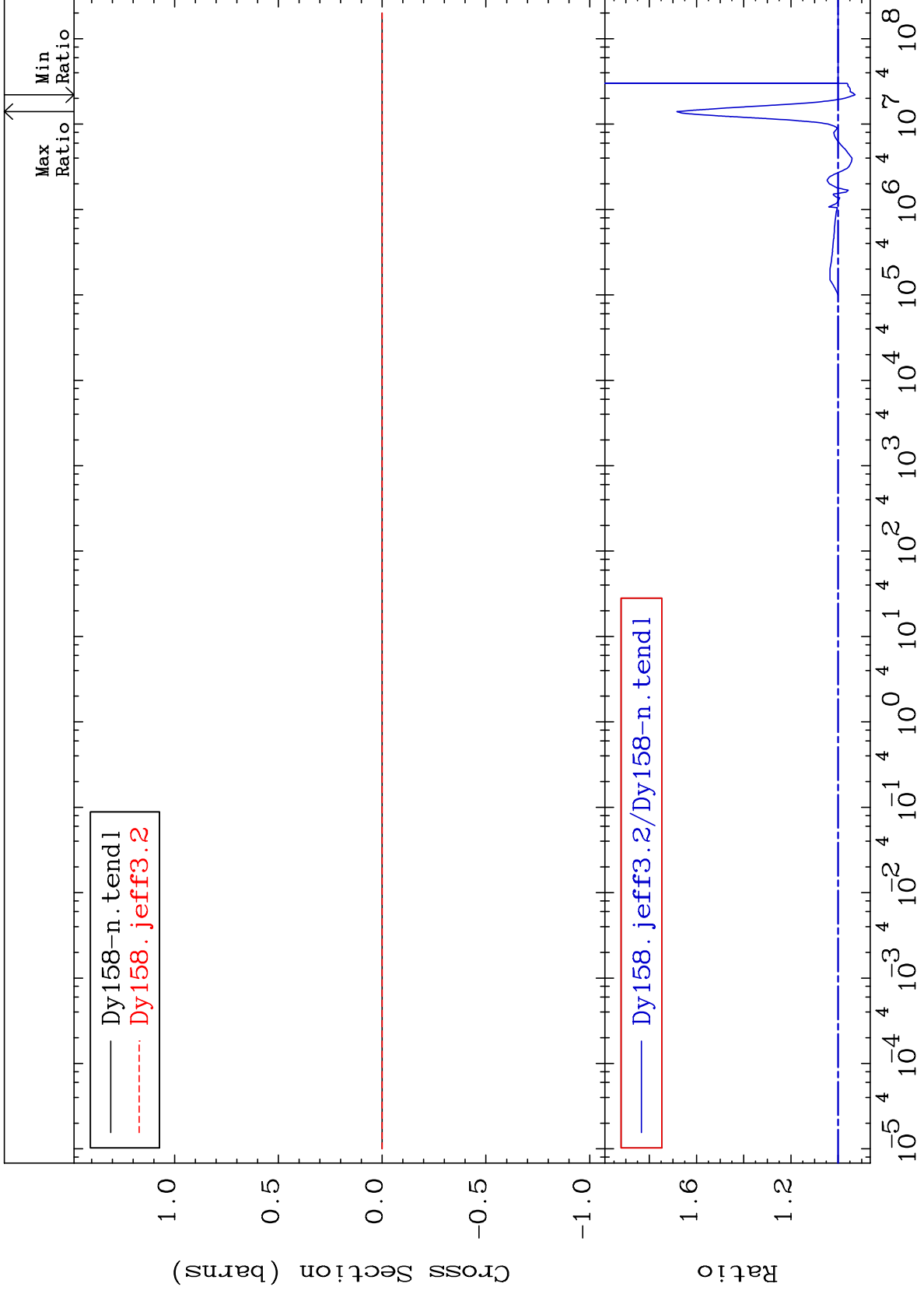
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158  
-7.185 To 68.32 %



72

Incident Energy (eV)

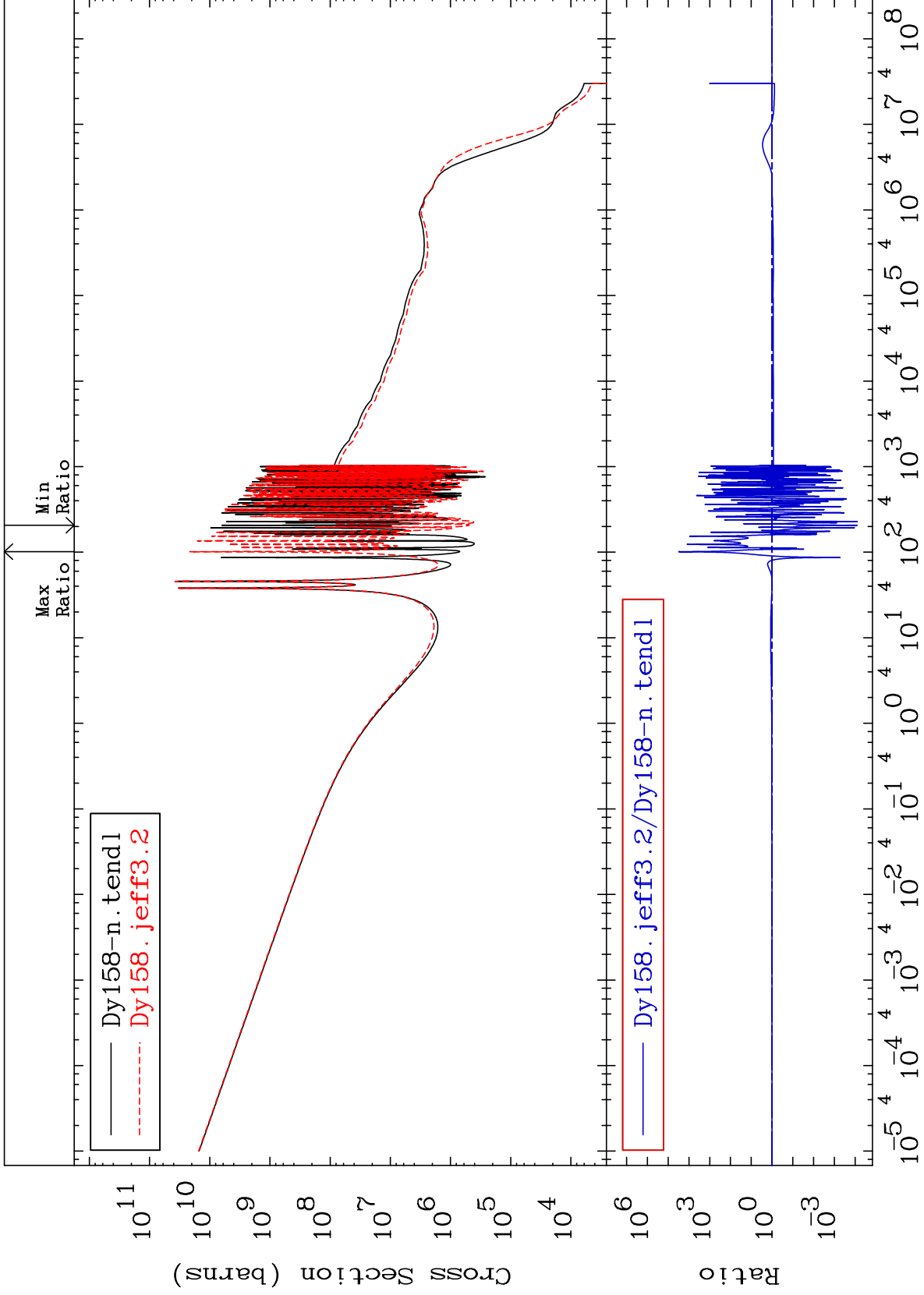
66-Dy-158



MAT 6631

Kerma capture (mt102)  
Cross Section

66-Dy-158  
-99.99 To 9999. %



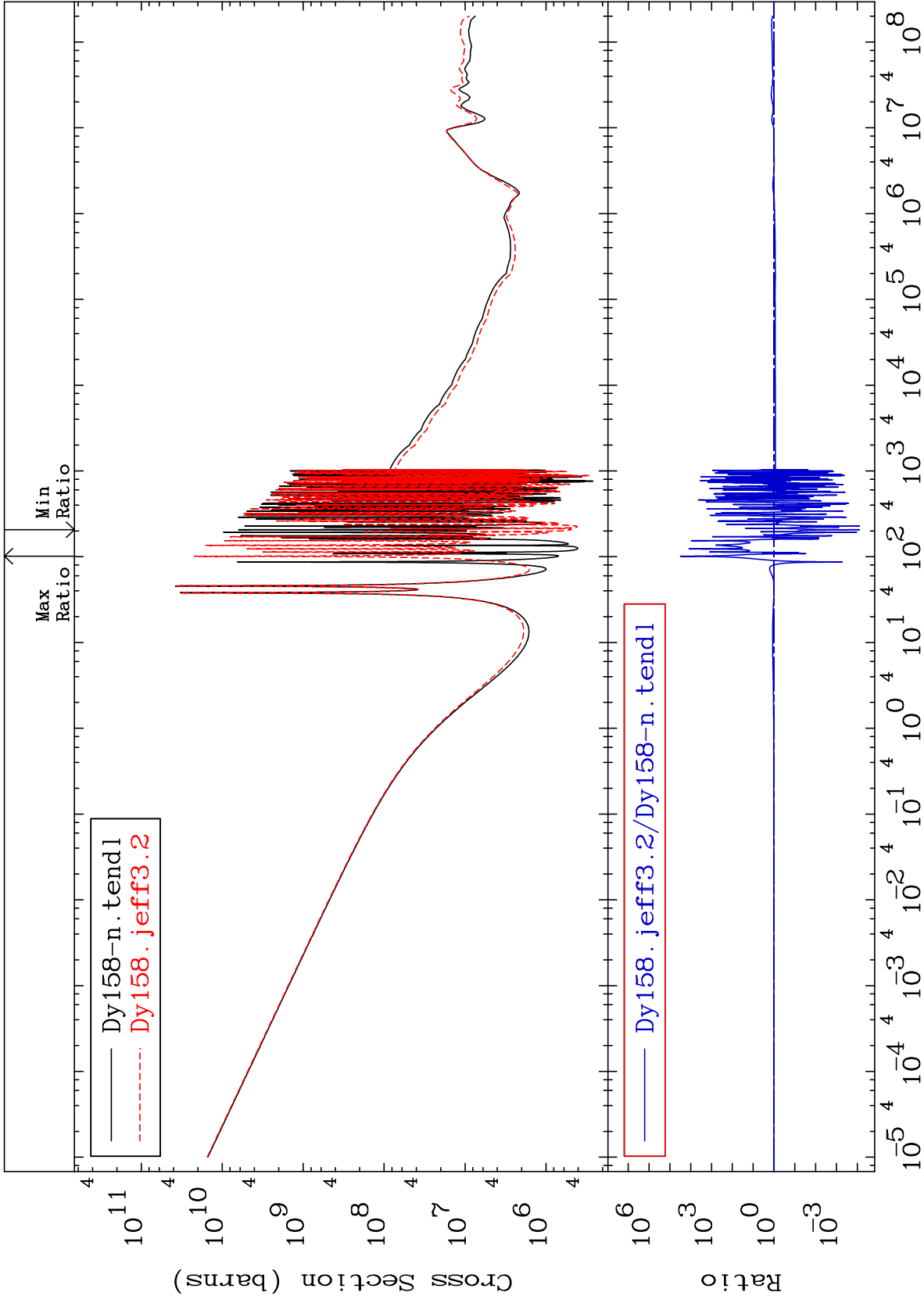
73

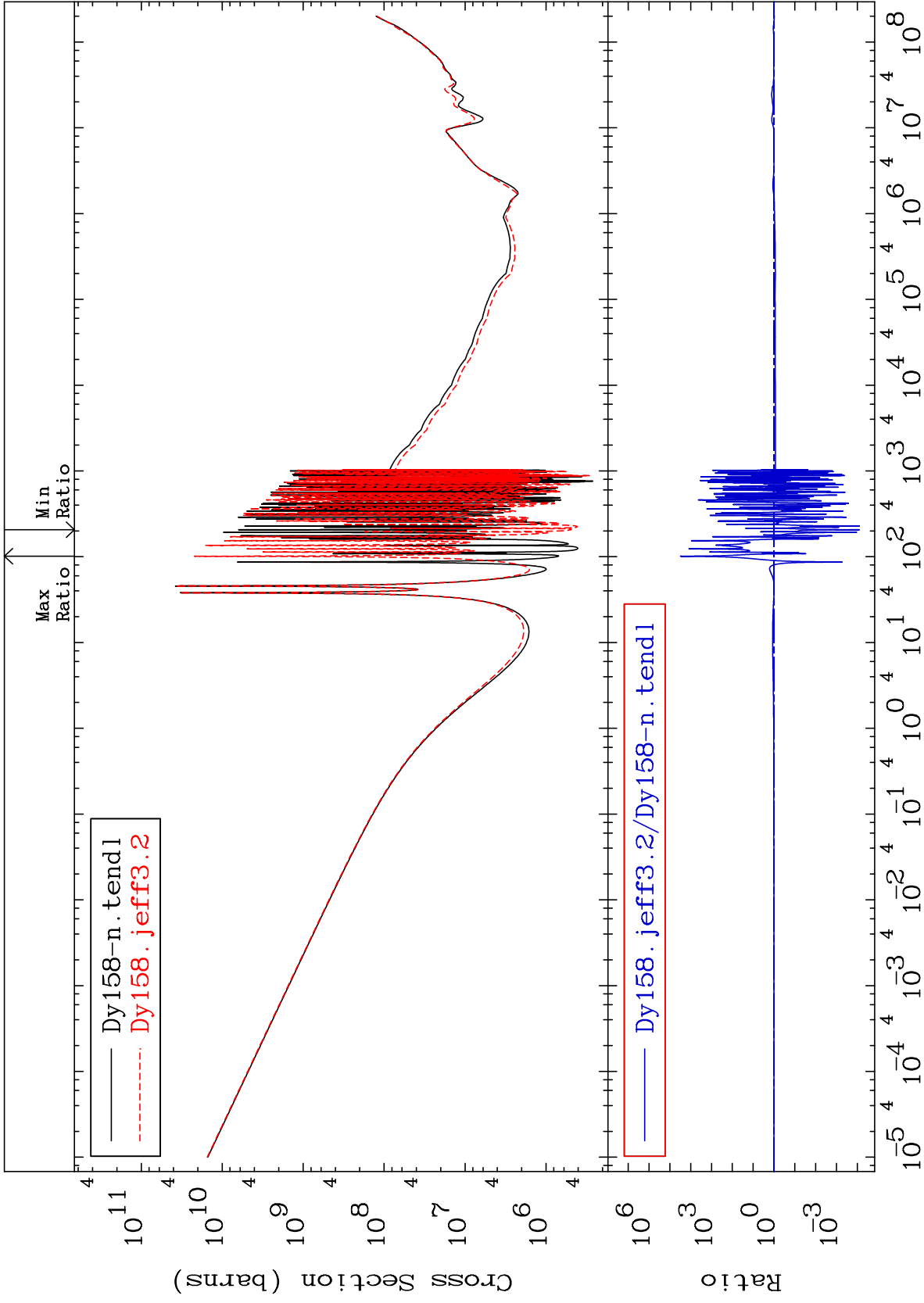
Incident Energy (eV)

66-Dy-158

Cross Section

-99.99 To 9999. %





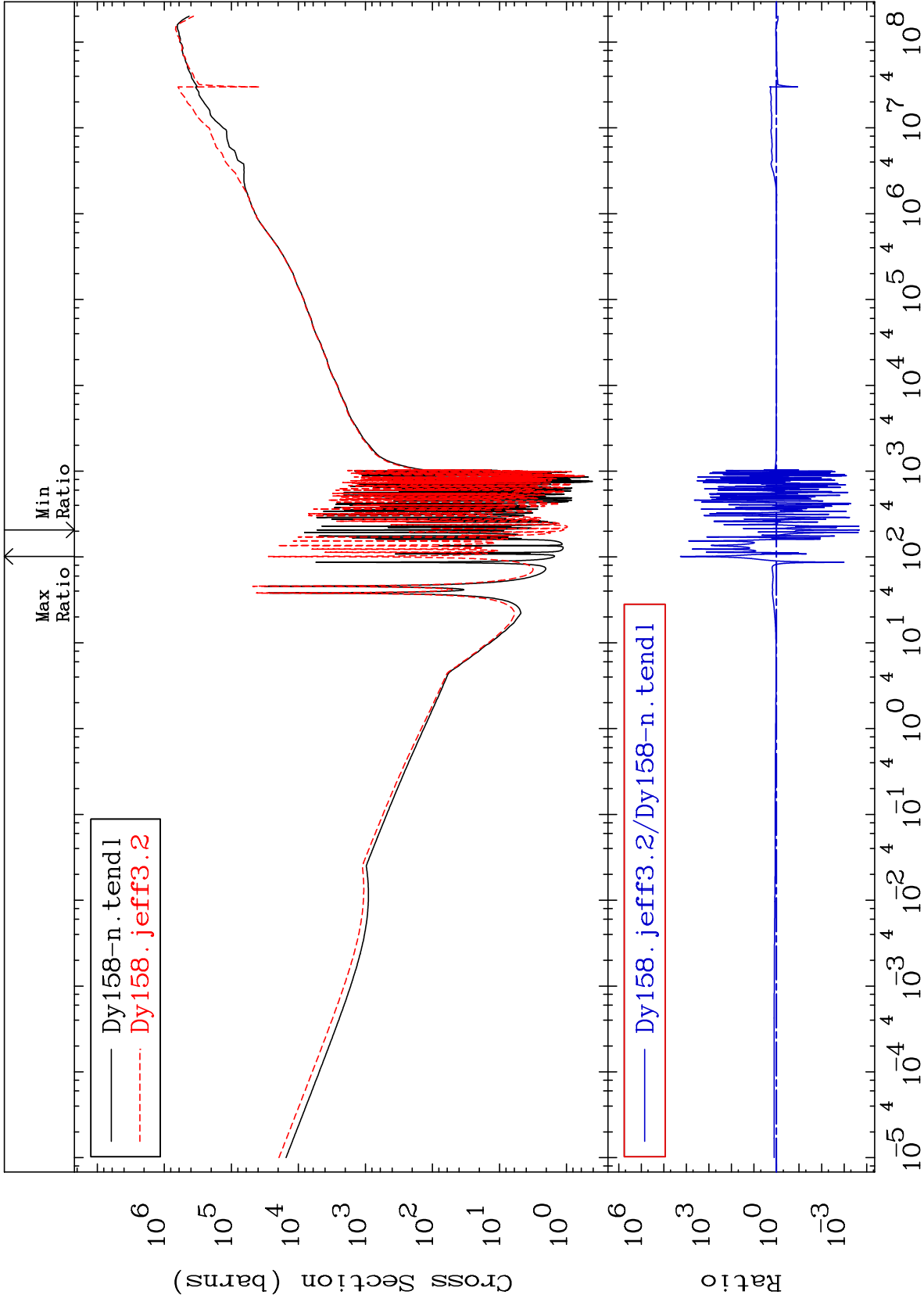
MAT 6631

Dpa total (eV-barns)

66-Dy-158

Cross Section

-99.98 To 9999. %



76

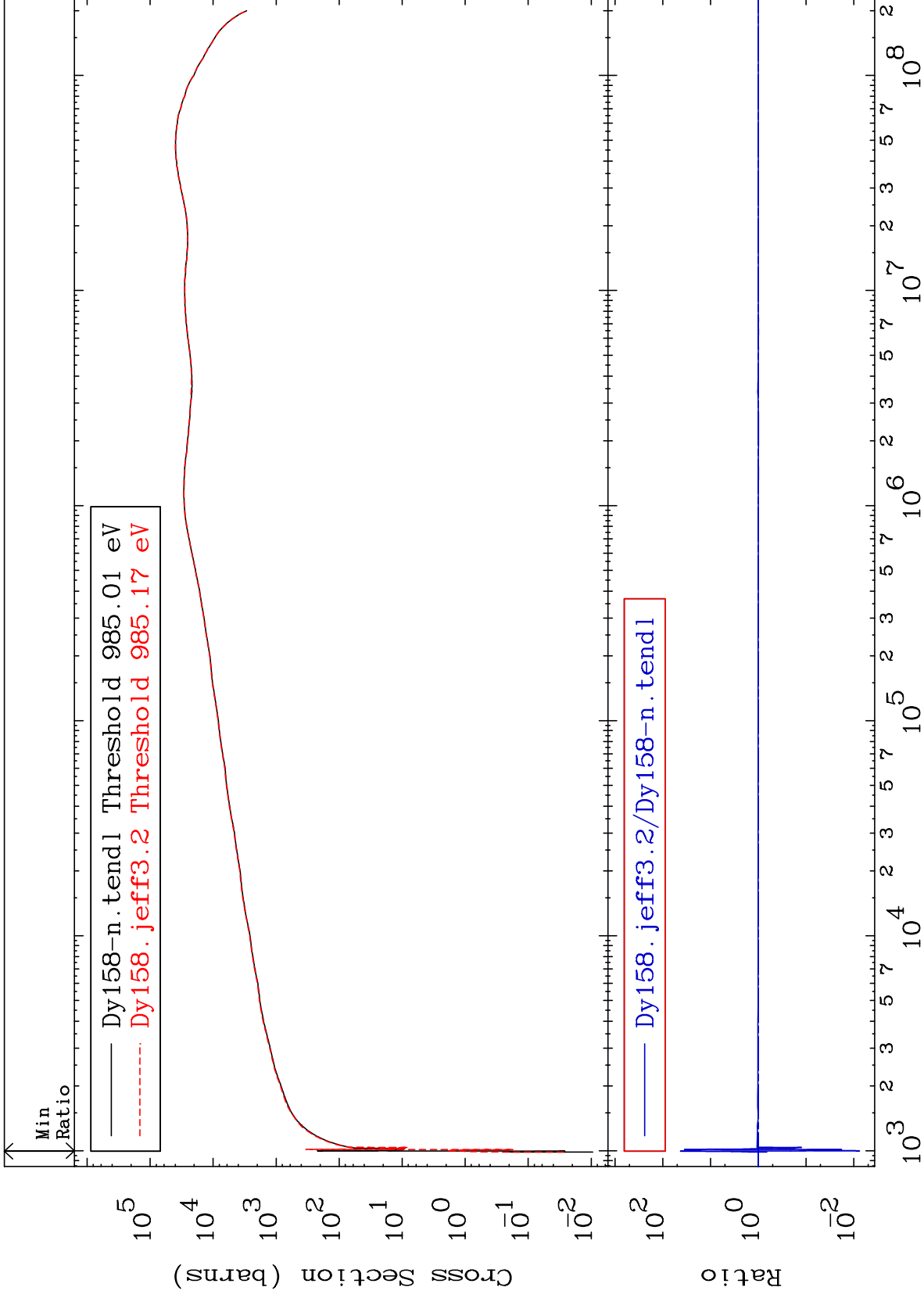
Incident Energy (eV)

66-Dy-158

MAT 6631

Dpa elastic (mt2)  
Cross Section

66-Dy-158  
-99.24 To 4200. %



77

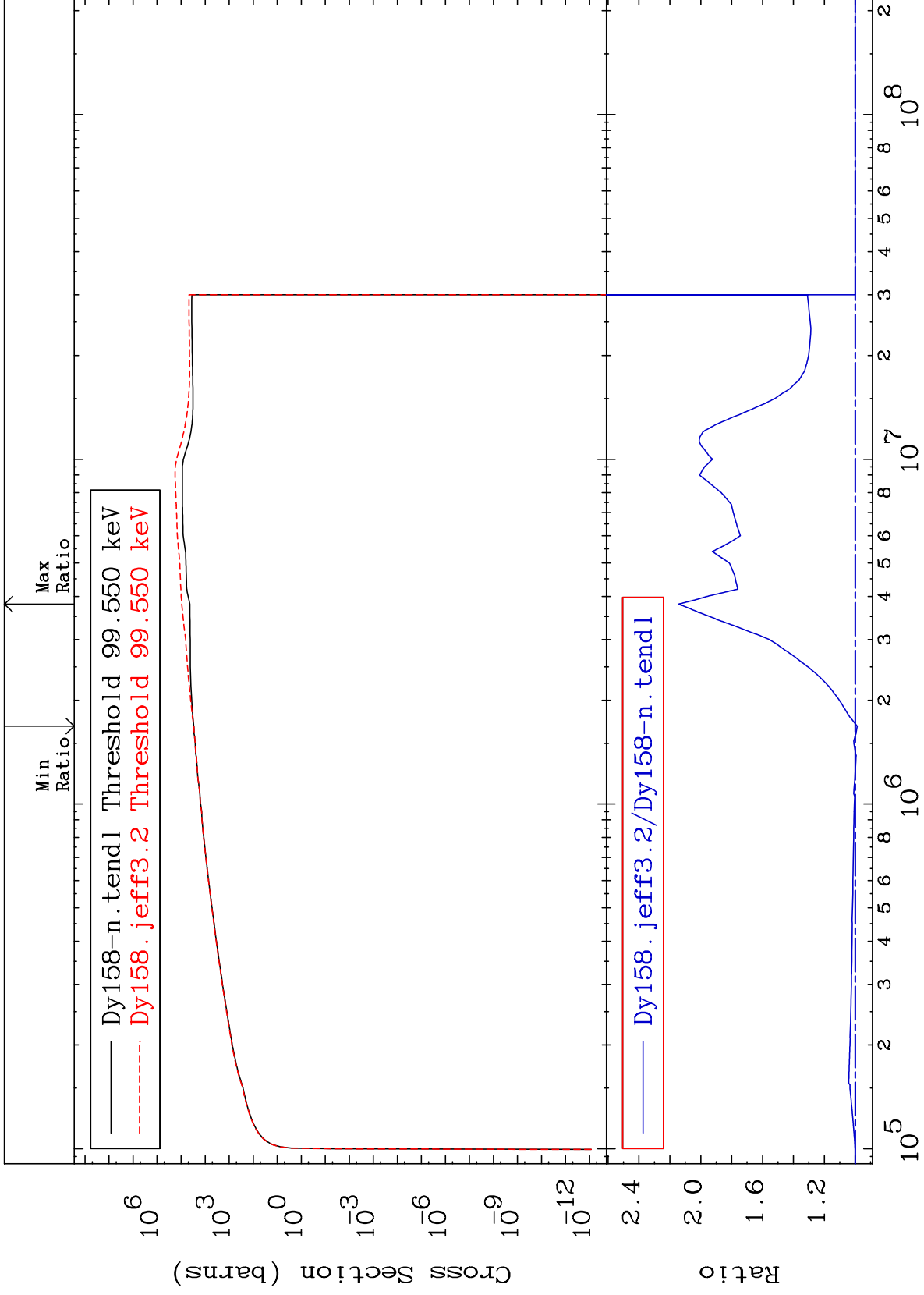
Incident Energy (eV)

66-Dy-158

MAT 6631

Dpa inelastic (mt51-91)  
Cross Section

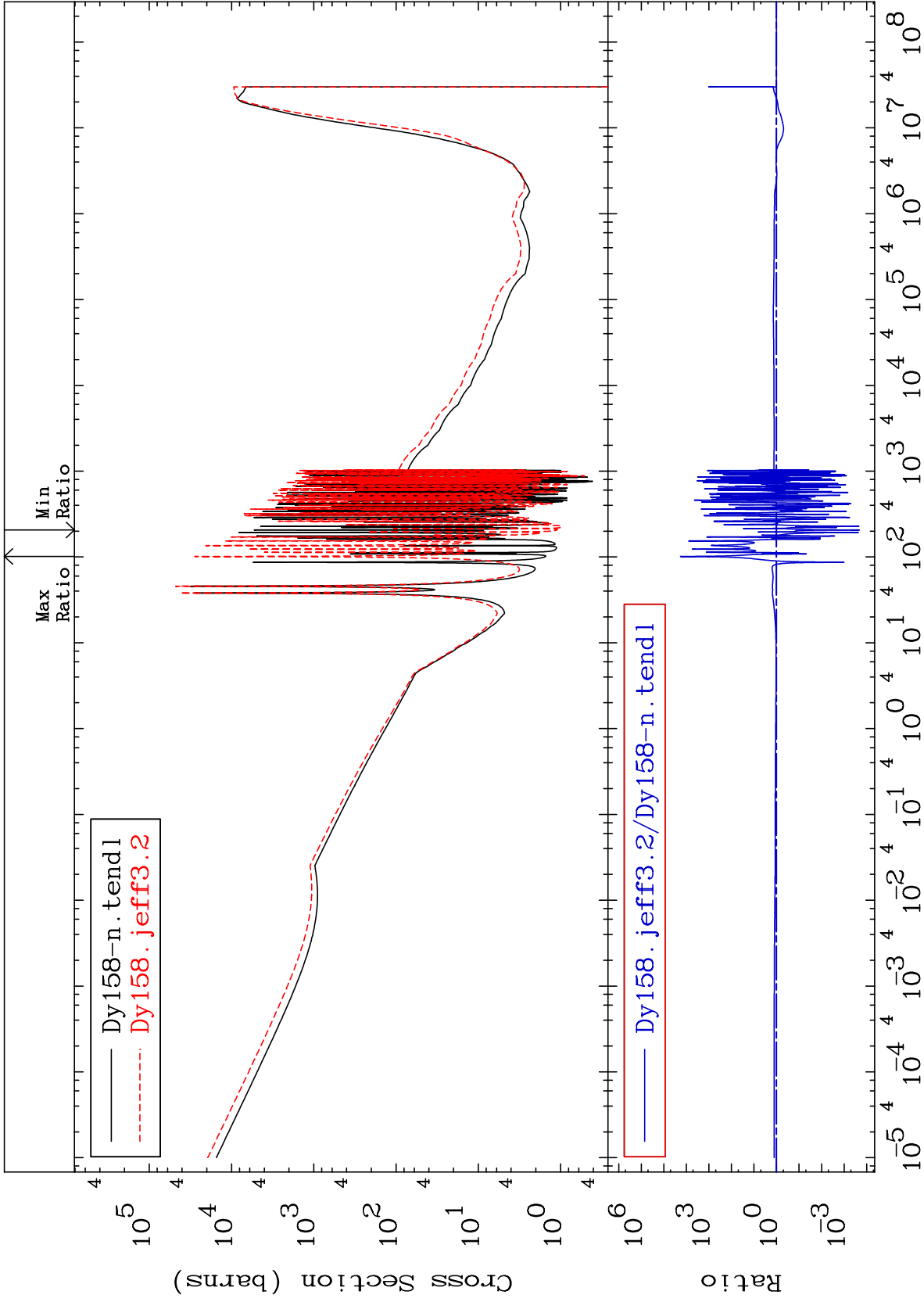
66-Dy-158  
-1.340 To 114.3 %

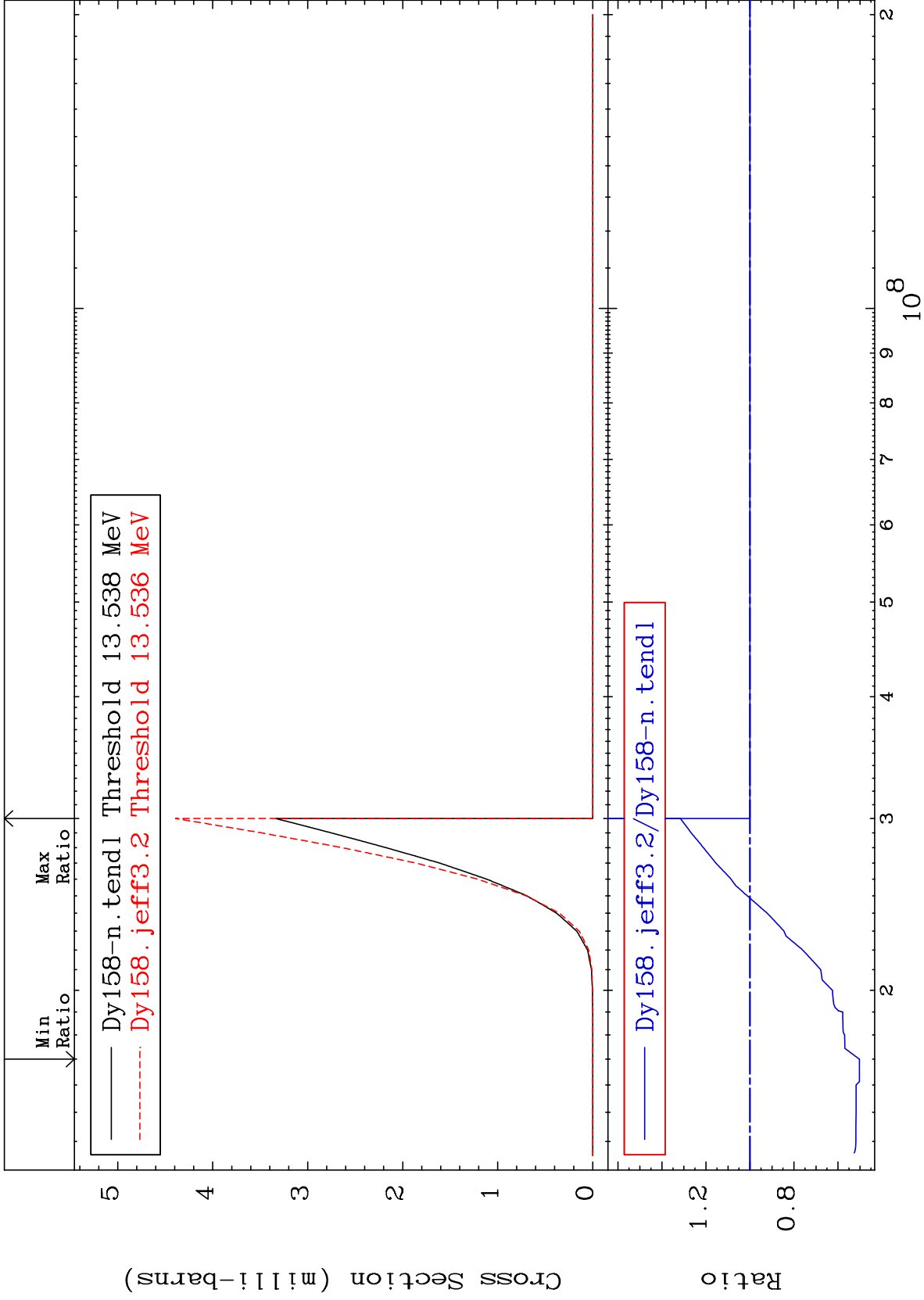


78

Incident Energy (eV)

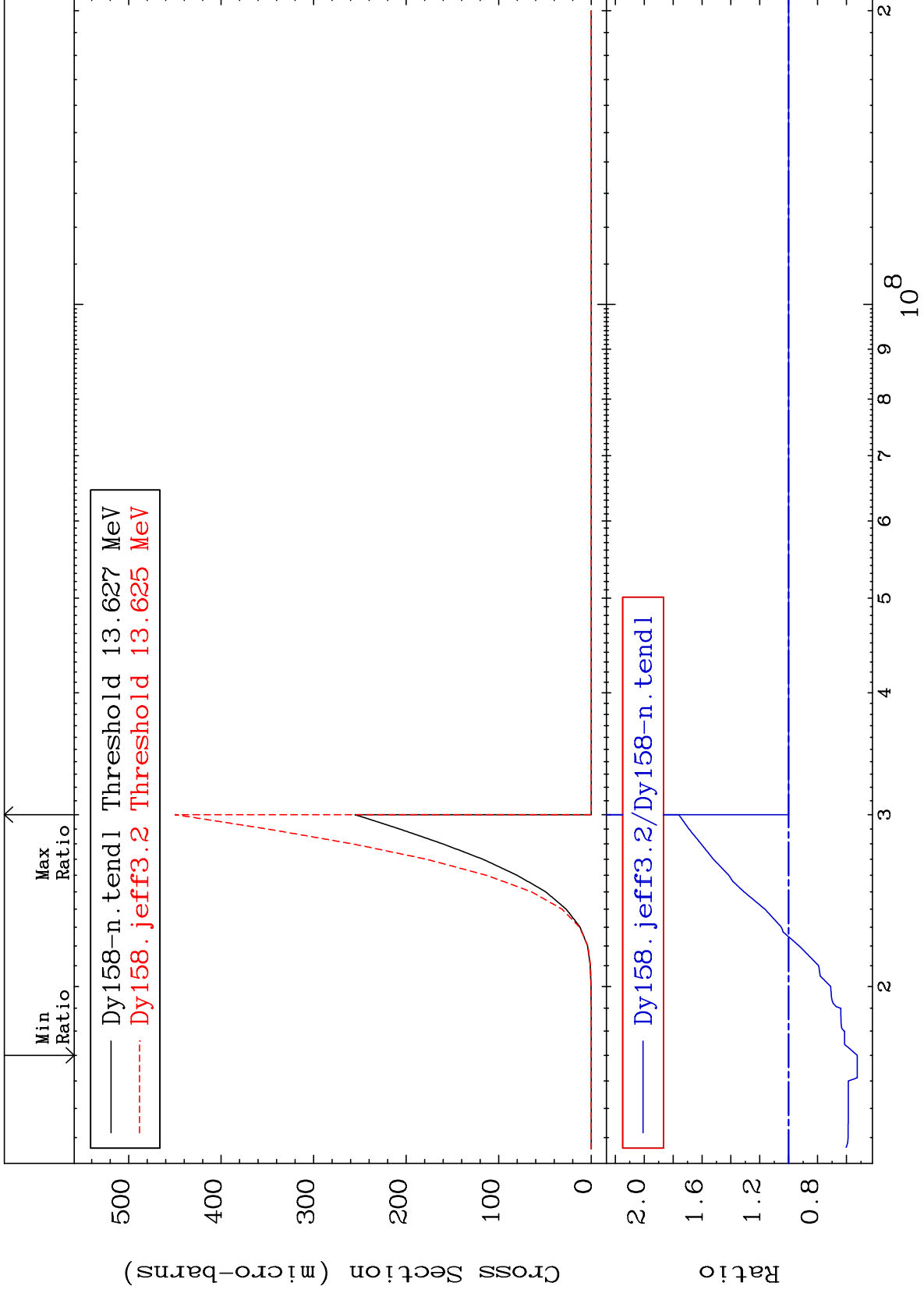
66-Dy-158







Radionuclide Production Cross Section -47.44 To 76.16 %

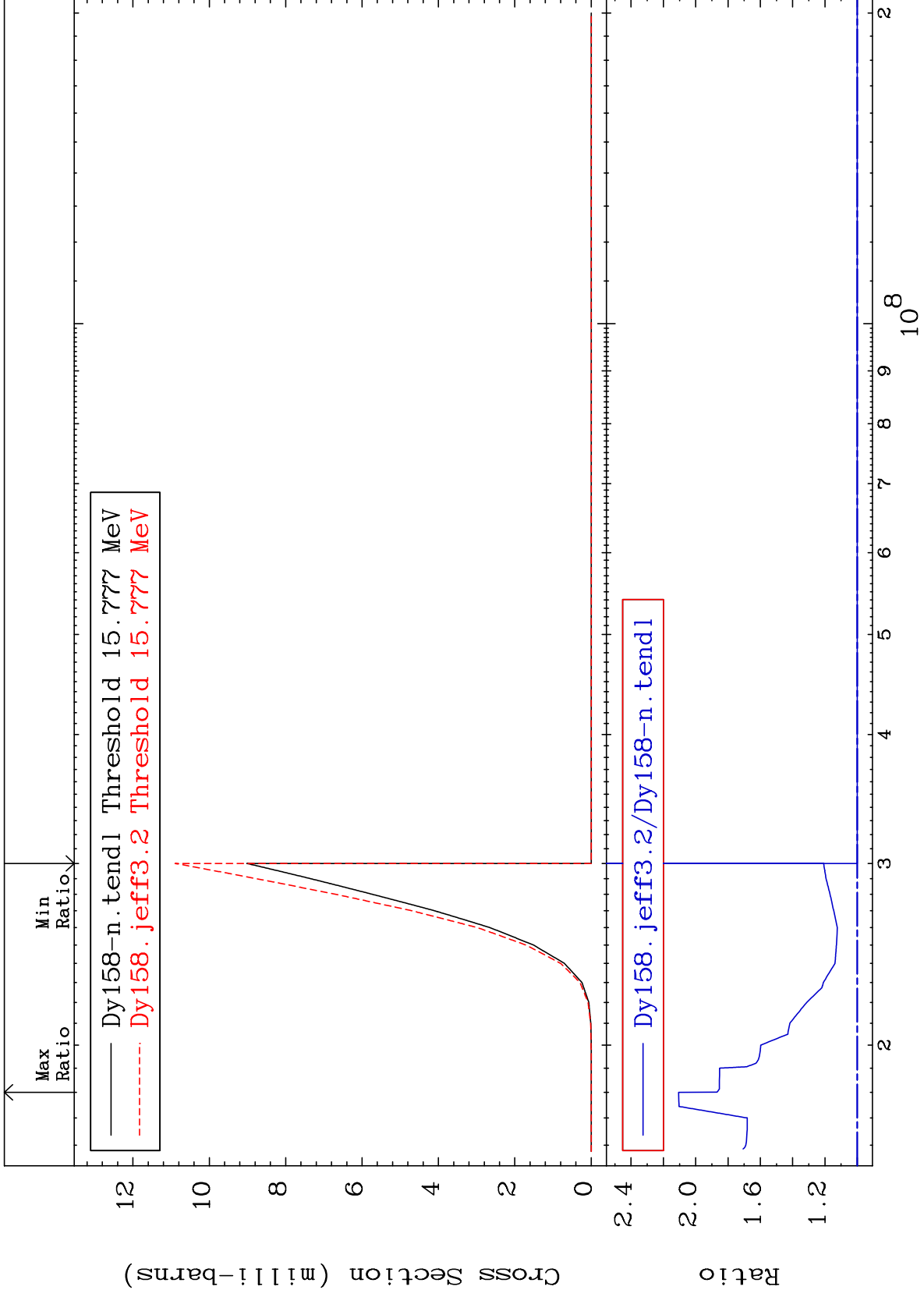


MAT 6631

(n,2n) p:65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 110.6 %

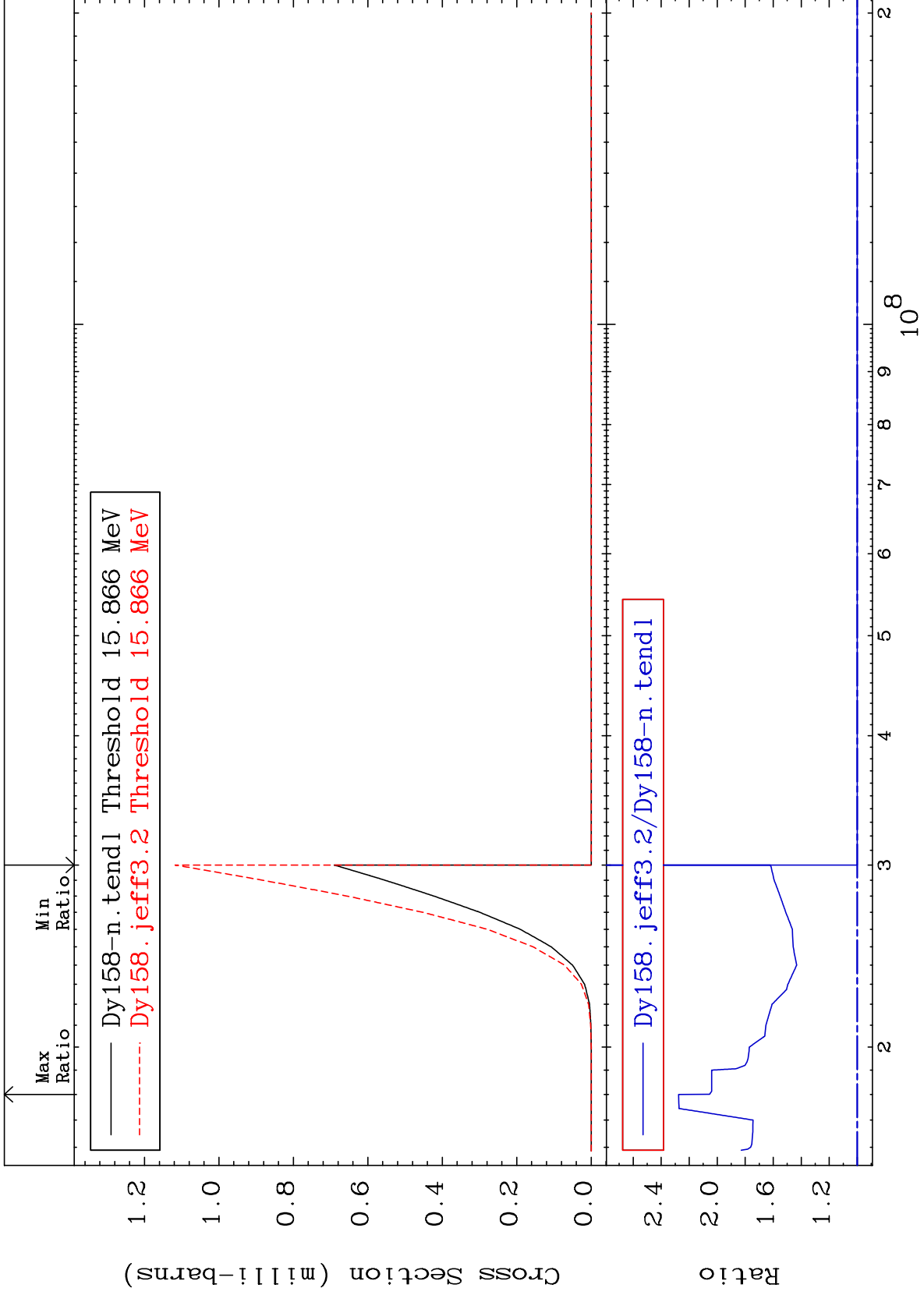


MAT 6631

(n,2n) p:65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section 0.000 To 127.5 %



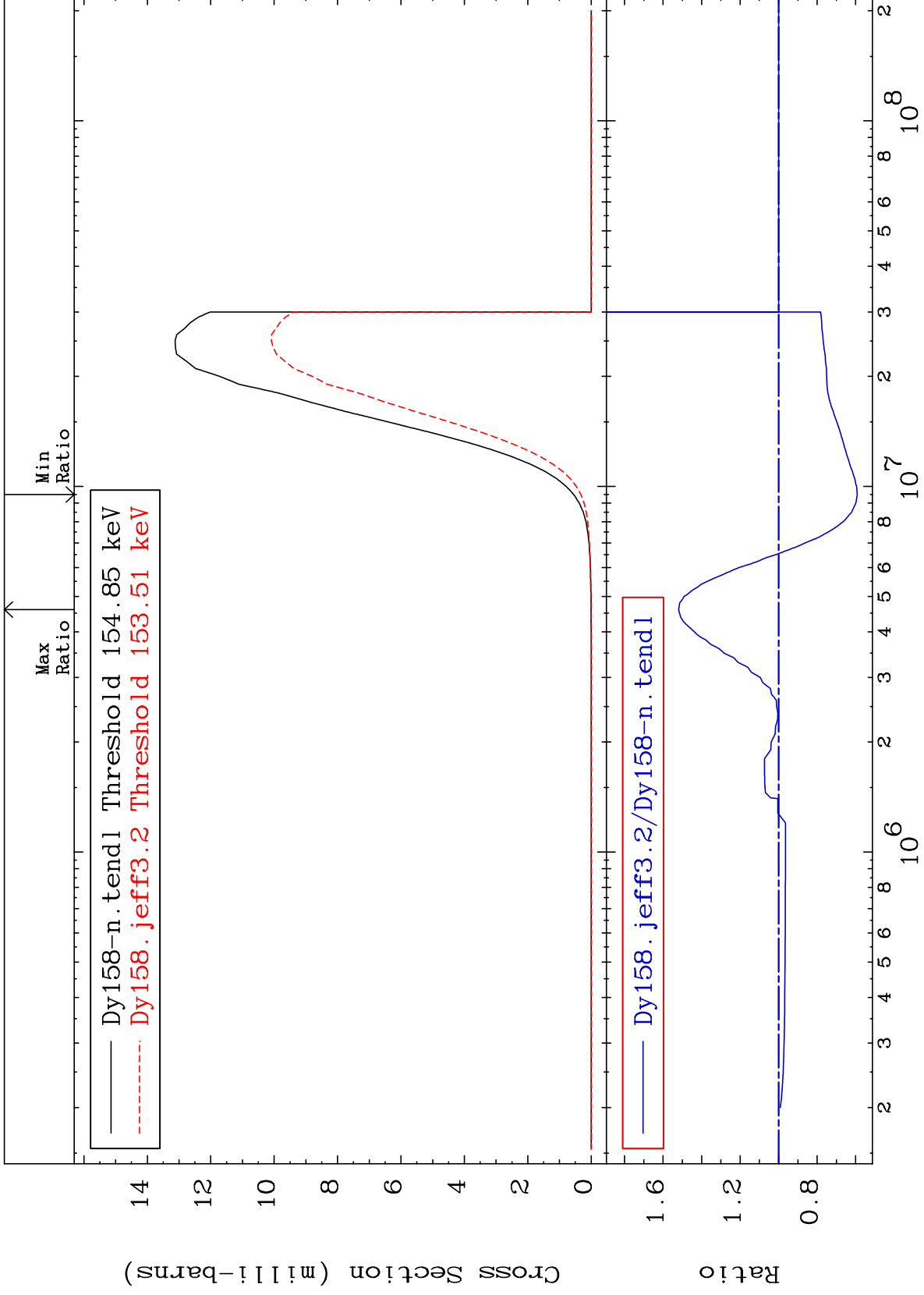
MAT 6631

(n, p) : 65-Tb-158g

66-Dy-158

Radionuclide Production Cross Section

-40.84 To 51.92 %

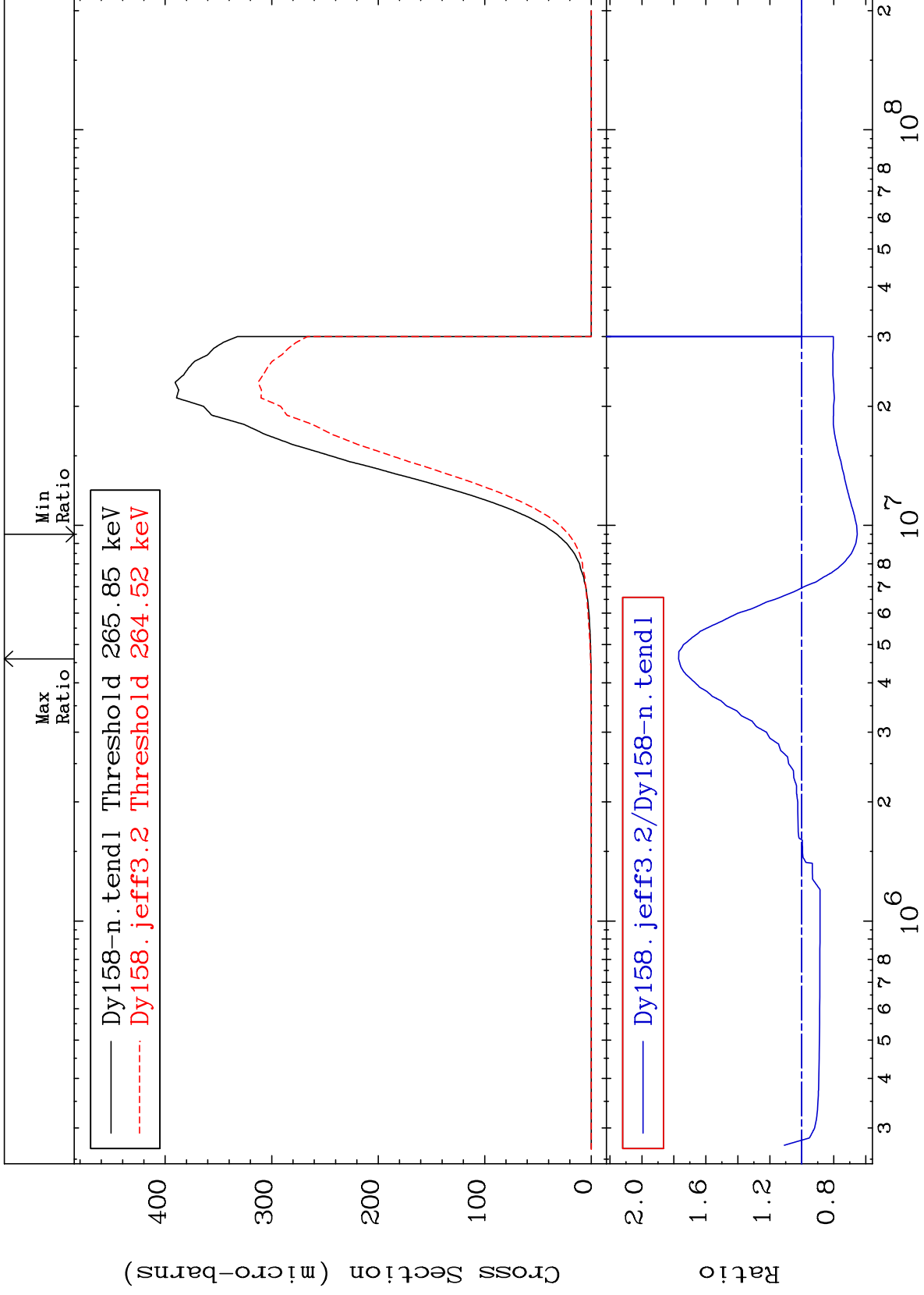


MAT 6631

(n, p) : 65-Tb-158m3

66-Dy-158

Radionuclide Production Cross Section -34.72 To 77.04 %



85

Incident Energy (eV)

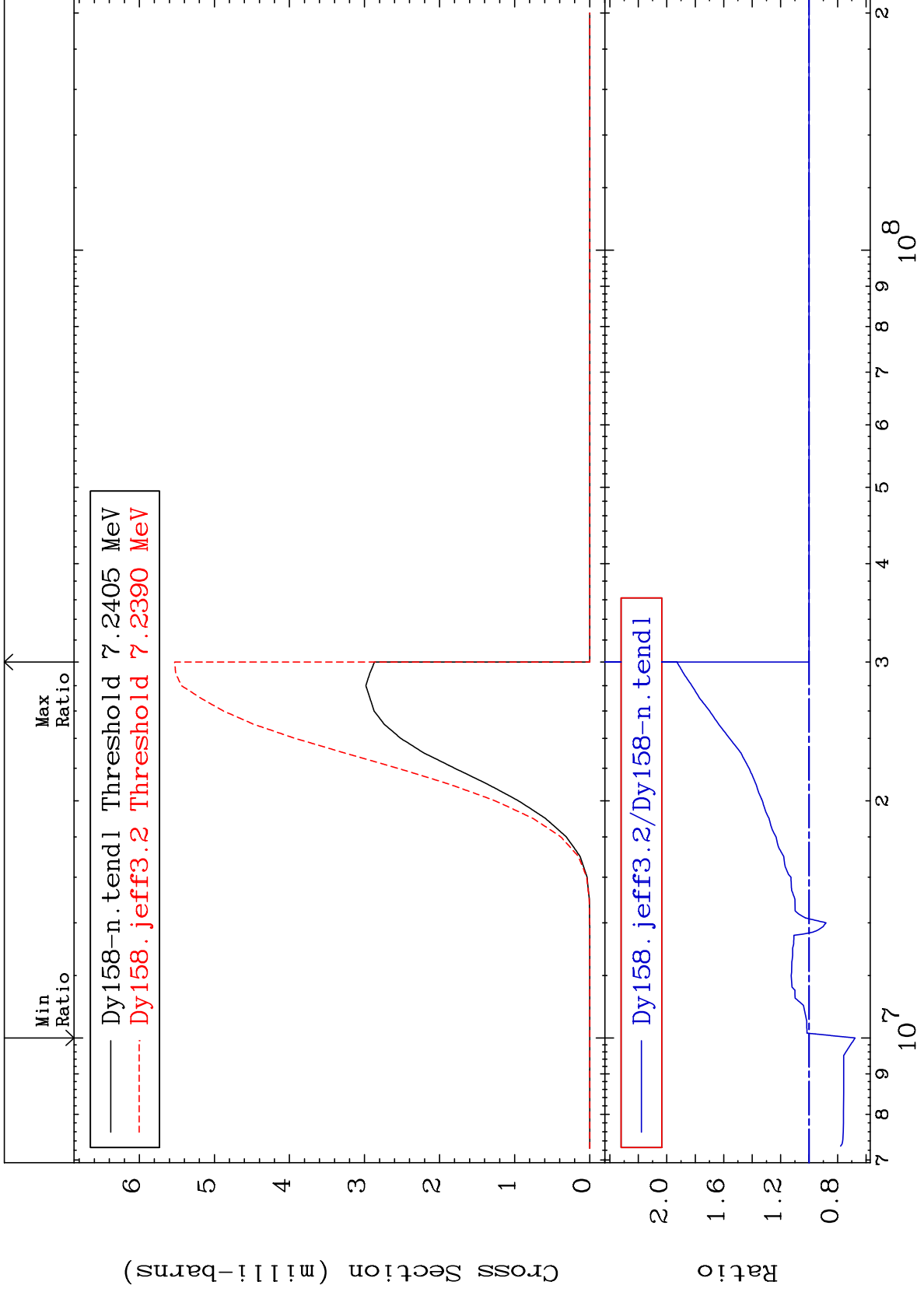
66-Dy-158

MAT 6631

(n, t) : 65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section -32.29 To 92.88 %



86

Incident Energy (eV)

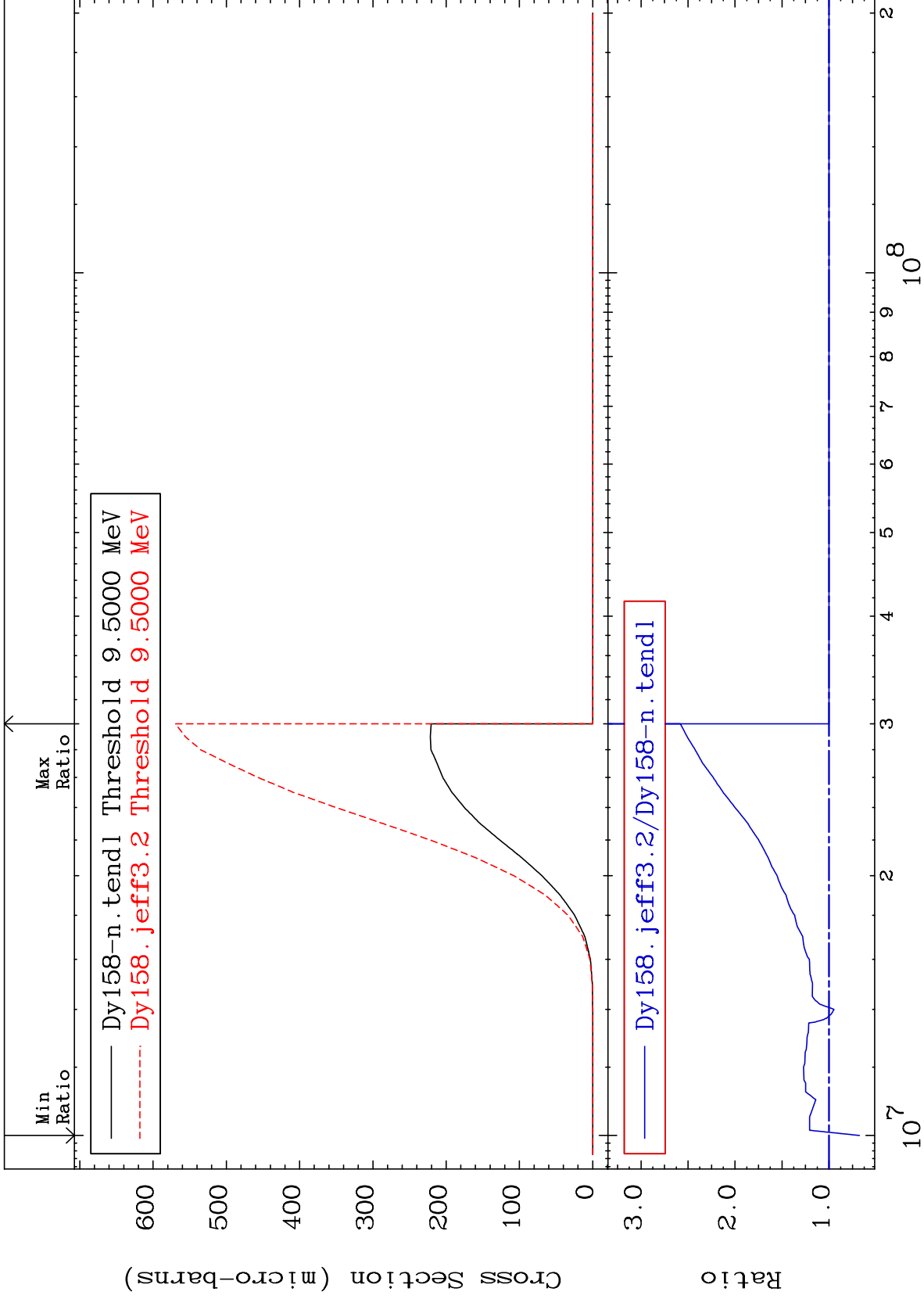
66-Dy-158

MAT 6631

(n, t) : 65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -32.40 To 158.1 %



87

Incident Energy (eV)

66-Dy-158

MAT 6631

(n, p)  $\alpha$ : 63-Eu-154g

66-Dy-158

Radionuclide Production Cross Section

-97.33 To 71.33 %

