

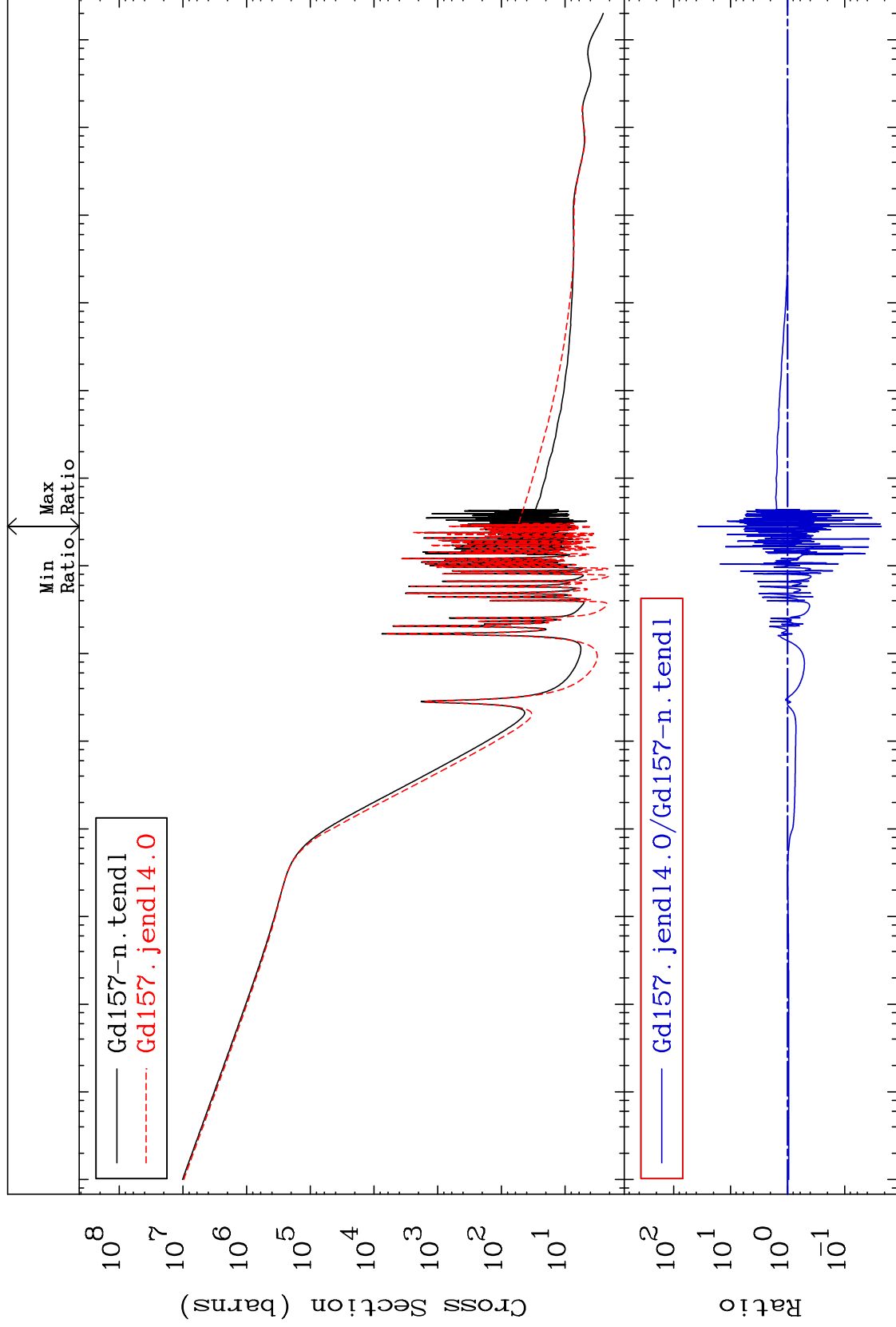
MAT 6440

Total

64-Gd-157

Cross Section

-97.71 To 3599. %



Incident Energy (eV)

64-Gd-157

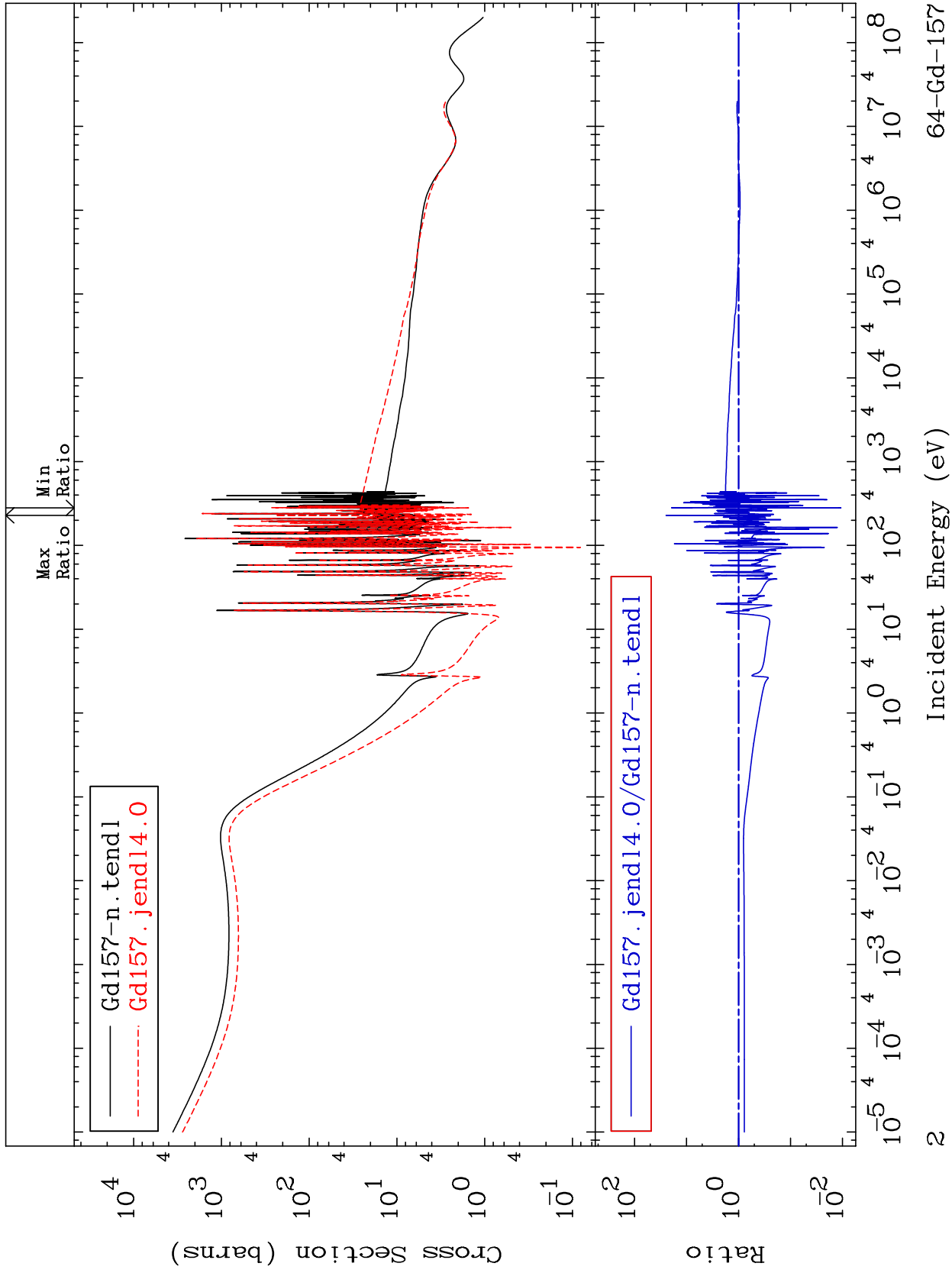
MAT 6440

Elastic

64-Gd-157

Cross Section

-98.92 To 2386. %

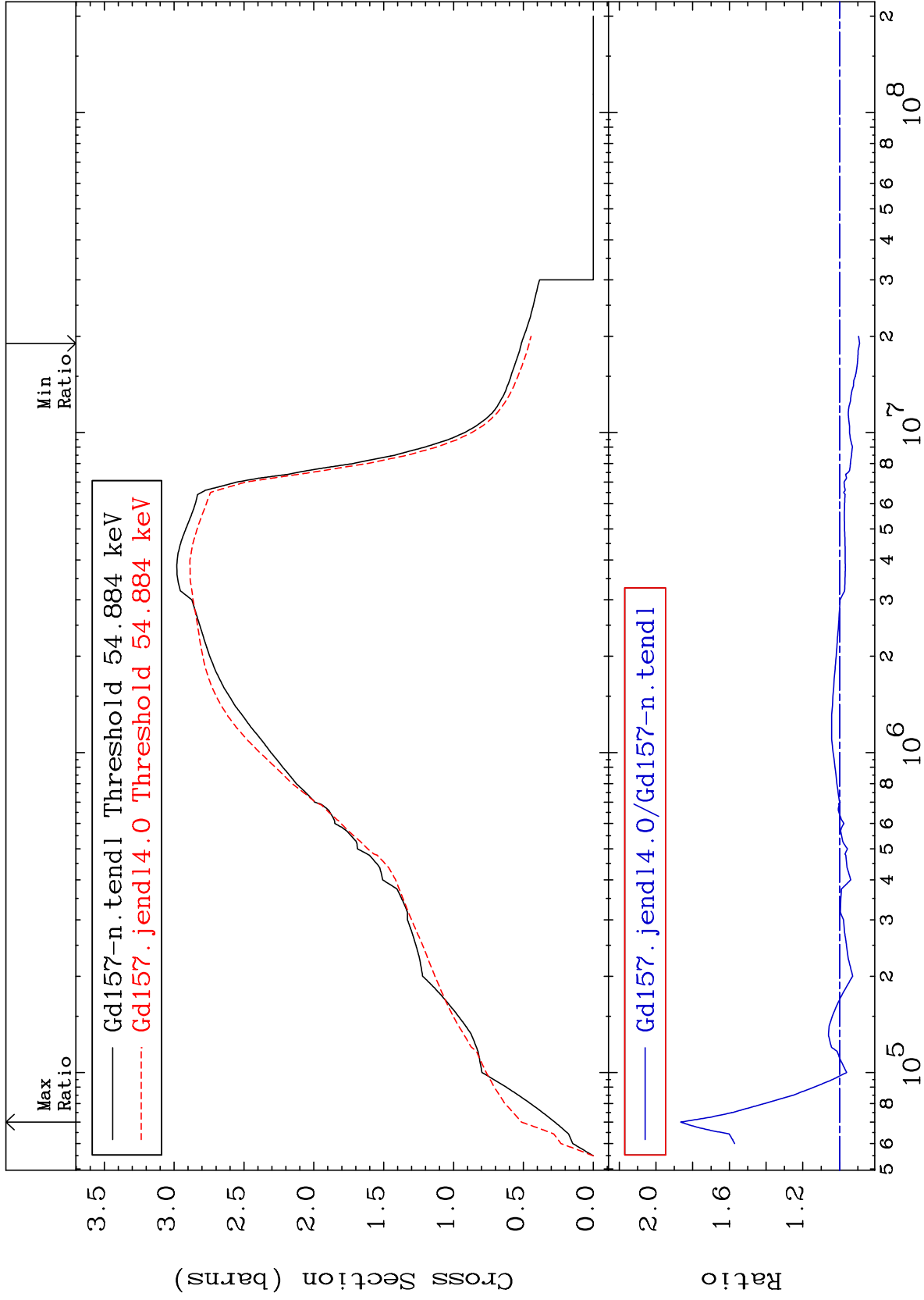


64-Gd-157

Incident Energy (eV)

2

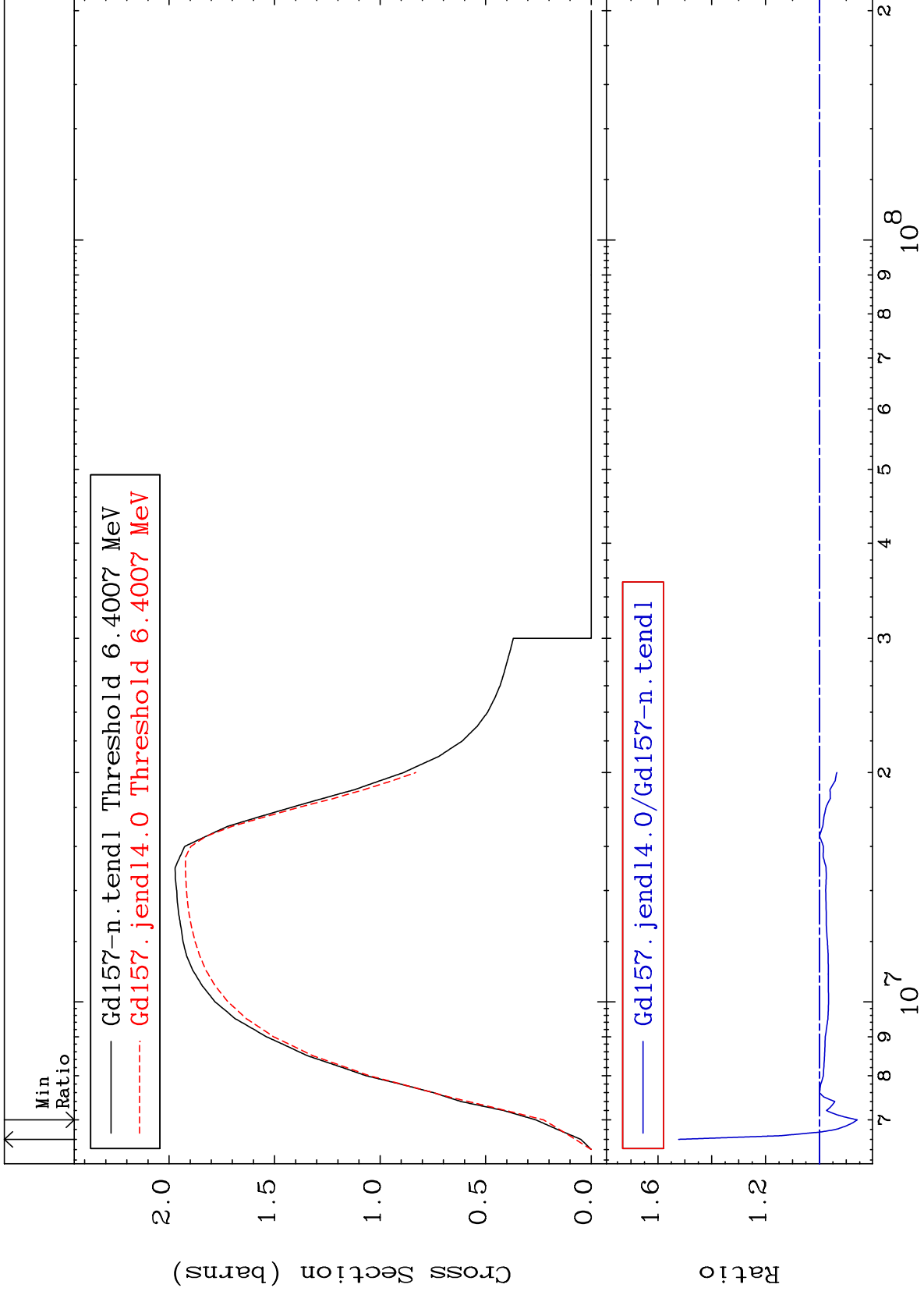
MAT 6440 Inelastic Cross Section 64-Gd-157 -10.92 To 86.50 %



MAT 6440

(n,2n)  
Cross Section

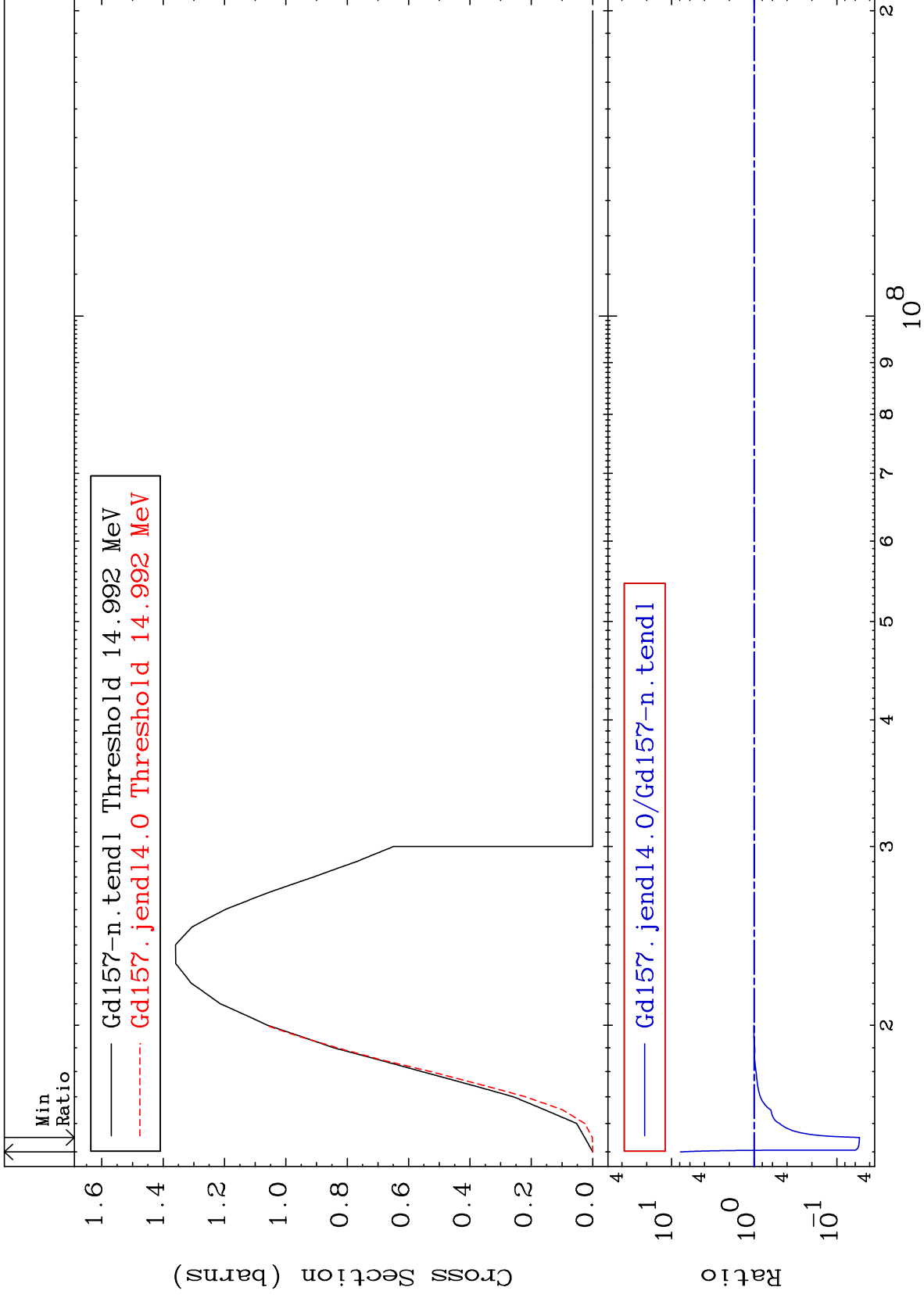
64-Gd-157  
-14.06 To 52.30 %



MAT 6440

(n,3n)  
Cross Section

64-Gd-157  
-94.67 To 683.0 %



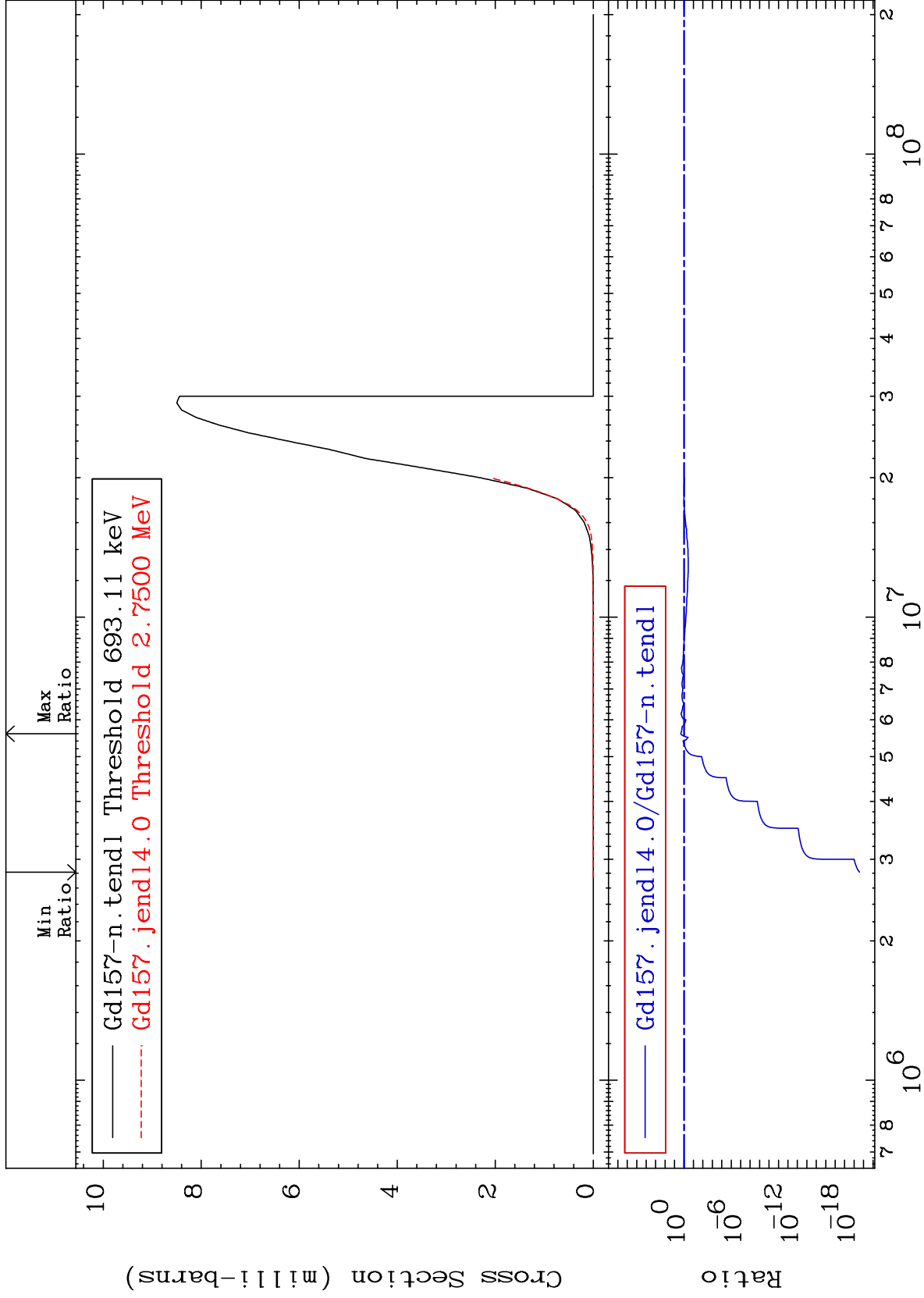
MAT 6440

(n, n')  $\alpha$

64-Gd-157

Cross Section

-100.0 To 117.4 %



6

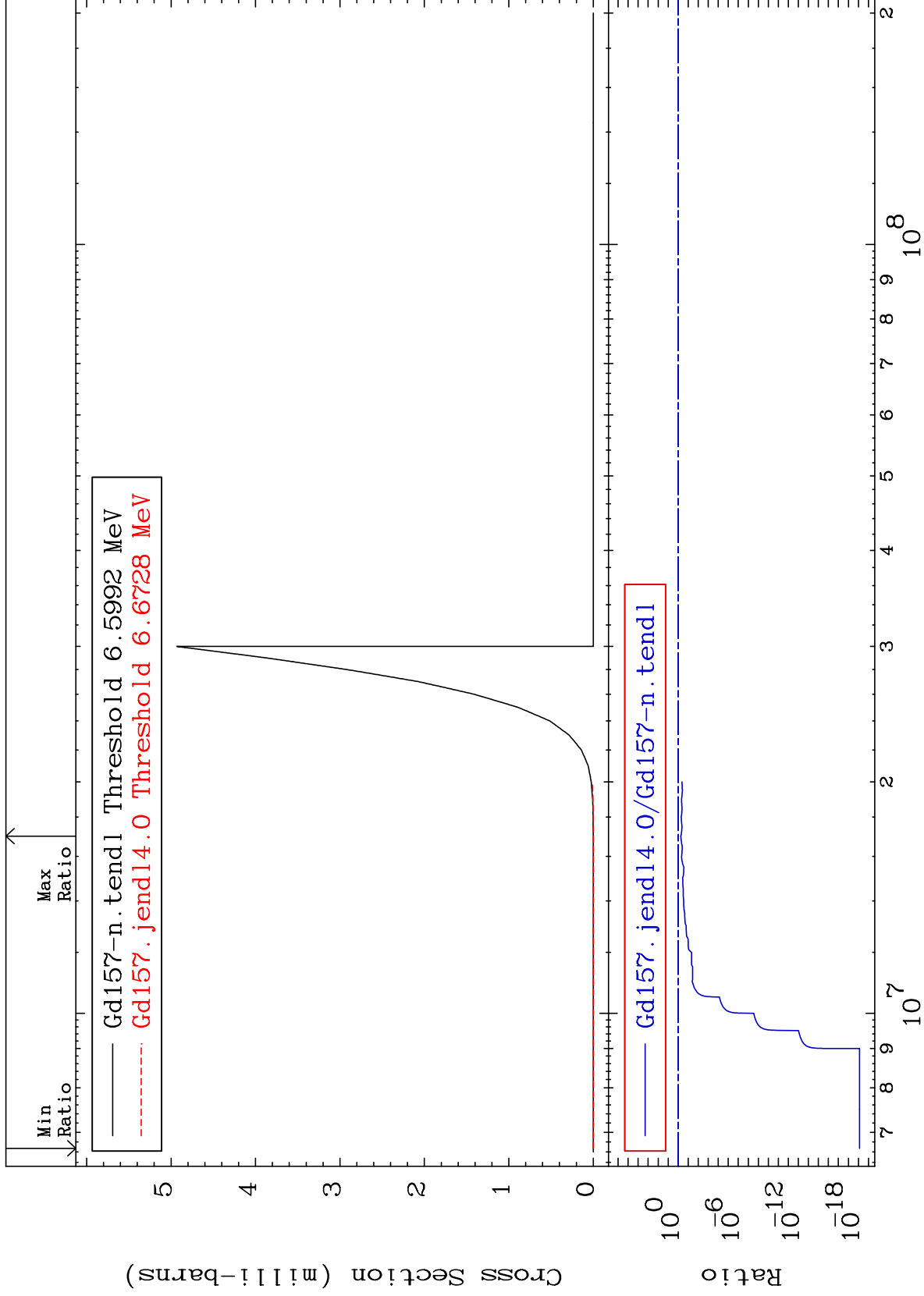
Incident Energy (eV)

64-Gd-157

MAT 6440

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

64-Gd-157  
-100.0 To -44.92%



7

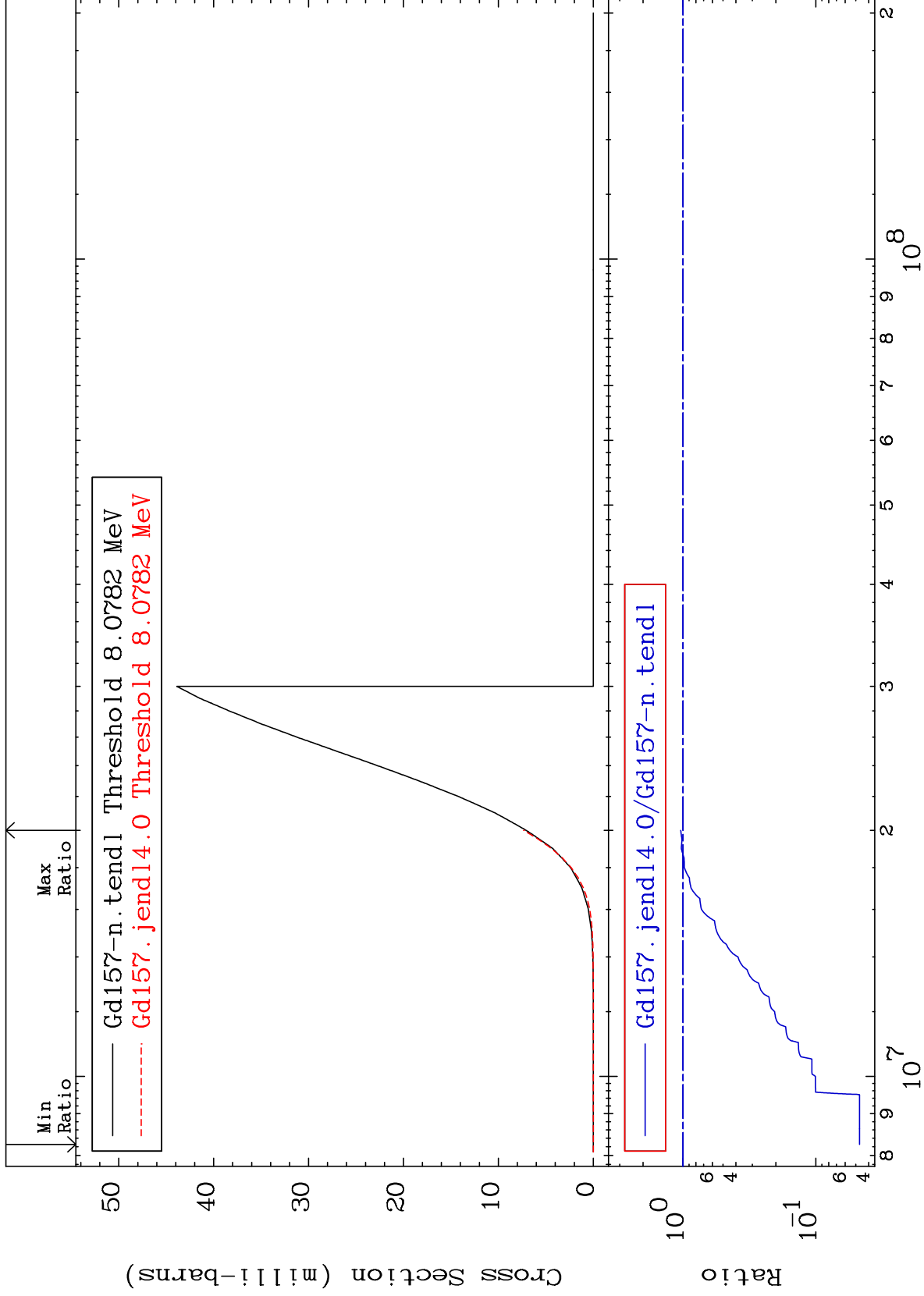
Incident Energy (eV)

64-Gd-157

MAT 6440

(n, n') p  
Cross Section

64-Gd-157  
-95.32 To 3.926 %



8

Incident Energy (eV)

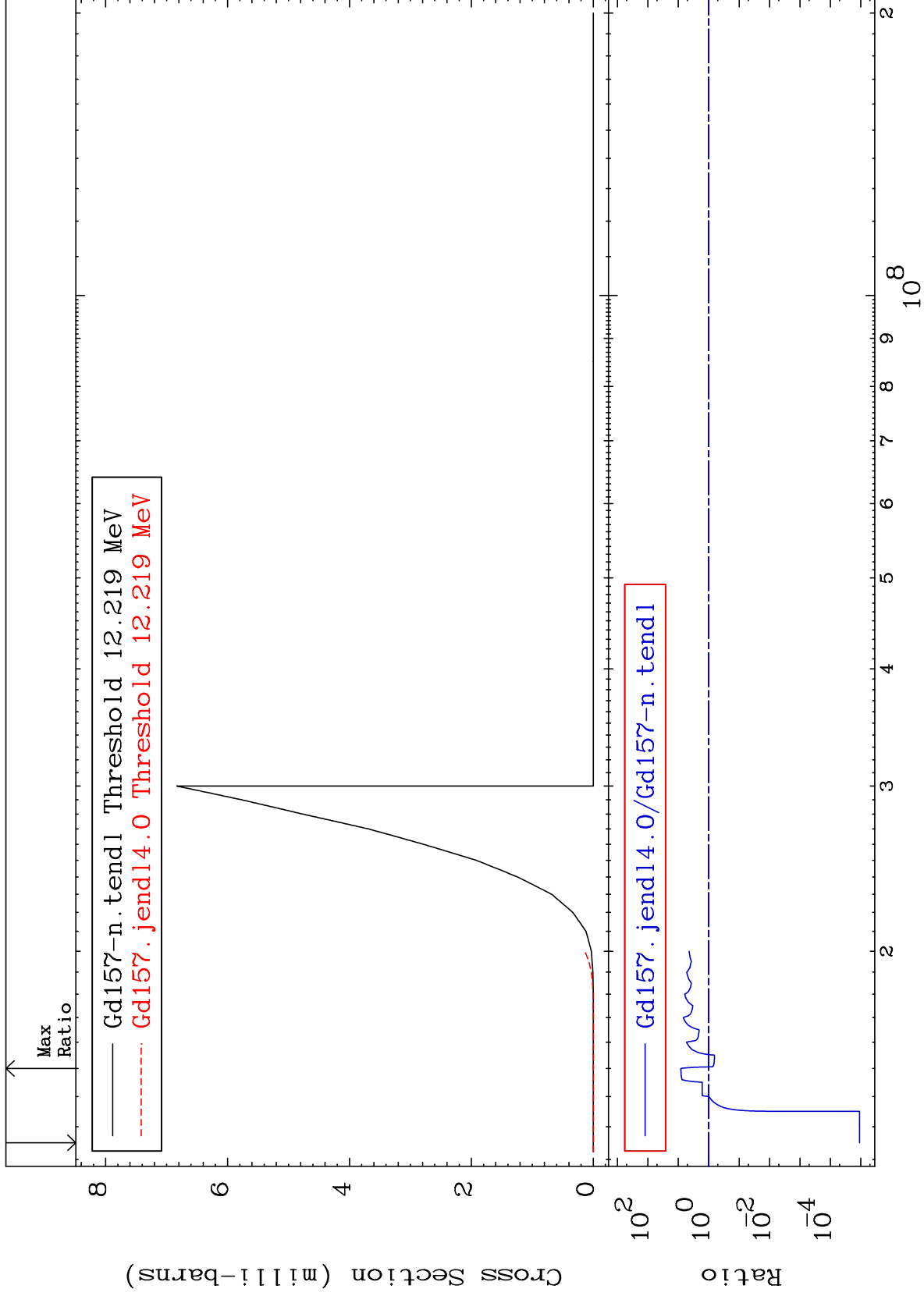
64-Gd-157



MAT 6440

(n,n') d  
Cross Section

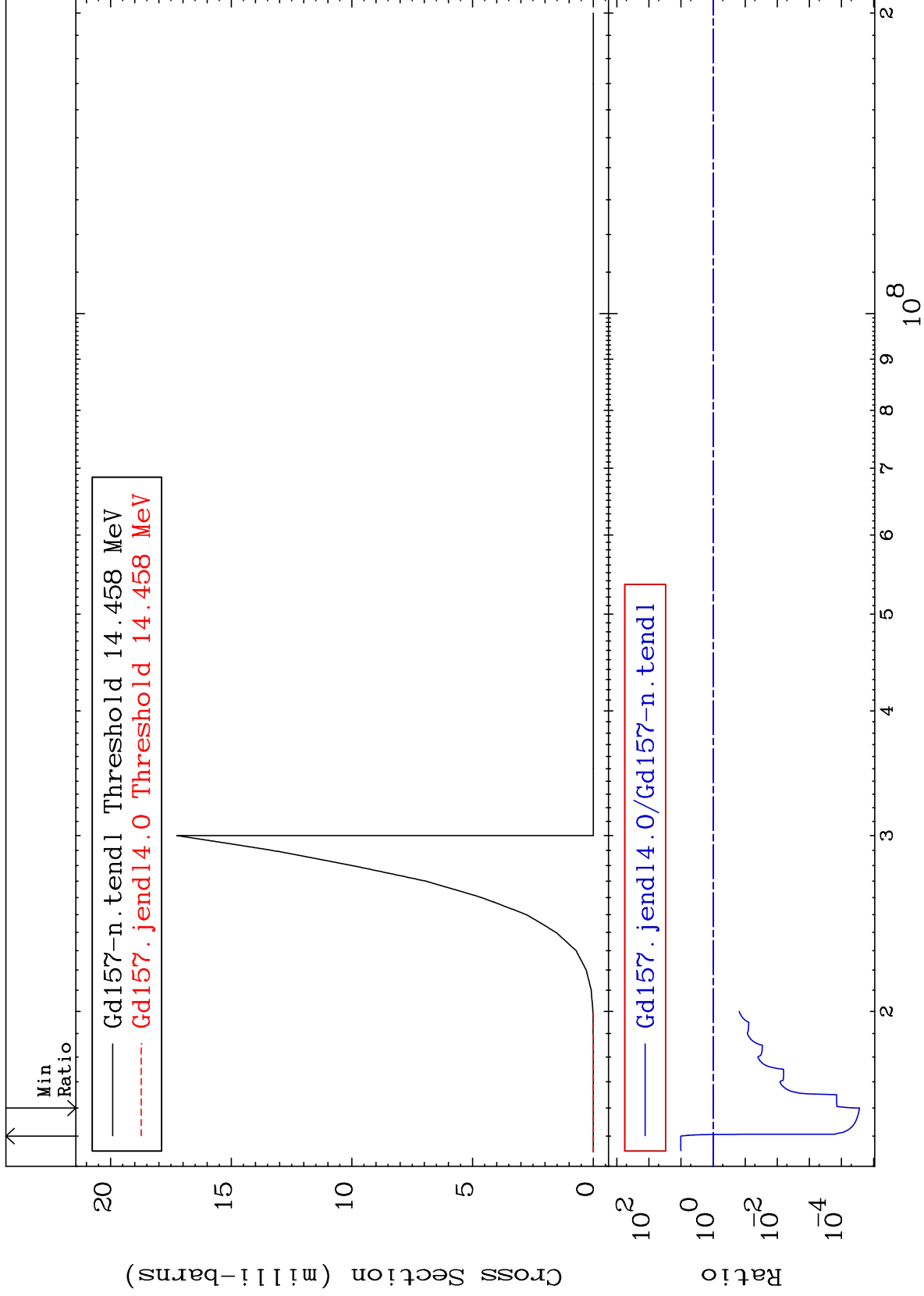
64-Gd-157  
-100.0 To 728.2 %



MAT 6440

(n,2n) p  
Cross Section

64-Gd-157  
-100.0 To 917.4 %



10

Incident Energy (eV)

64-Gd-157

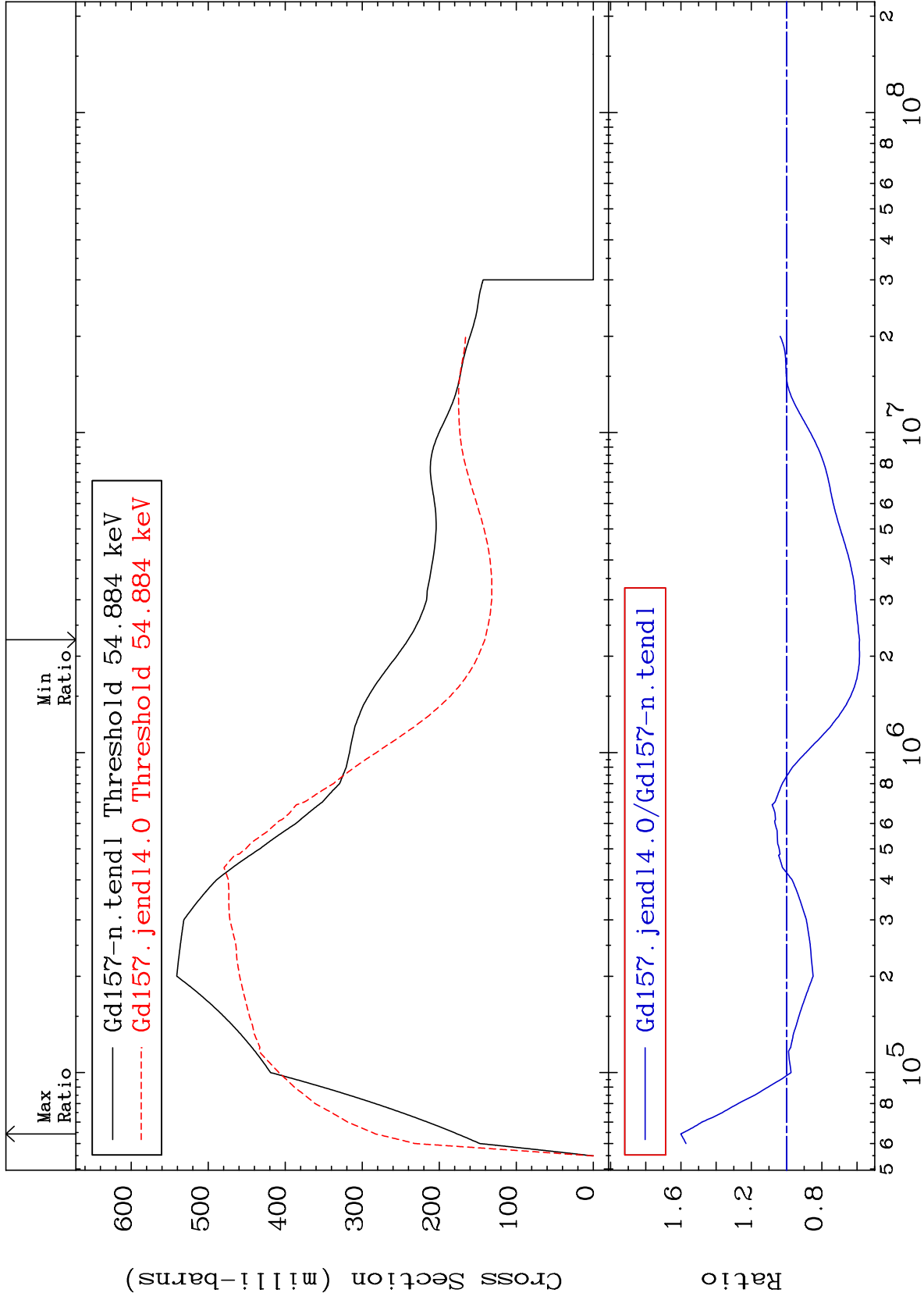
MAT 6440

54.53 keV (n,n') Level

64-Gd-157

-41.47 To 60.13 %

Cross Section



11

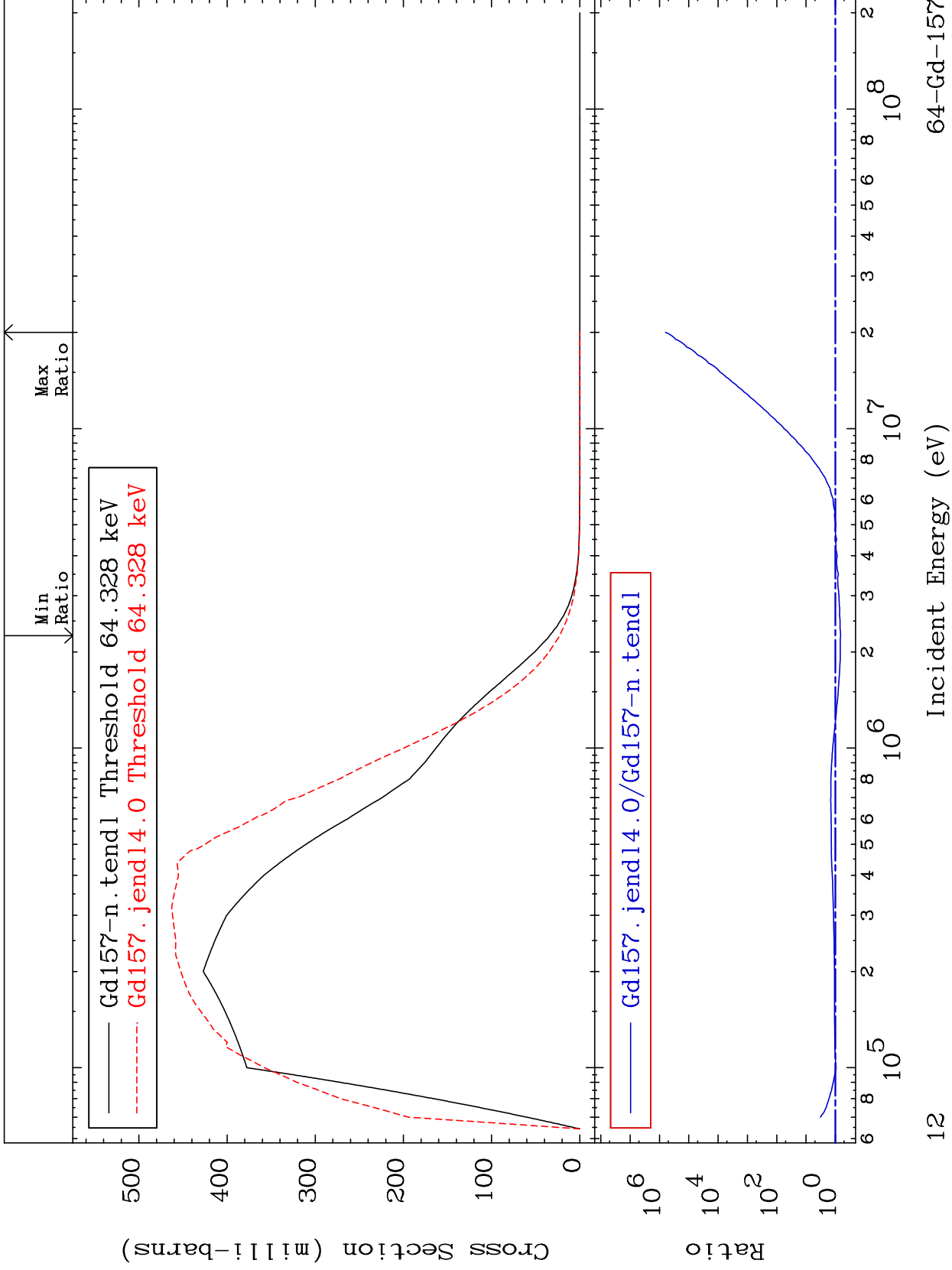
Incident Energy (eV)

64-Gd-157

MAT 6440

63.92 keV (n,n') Level  
Cross Section

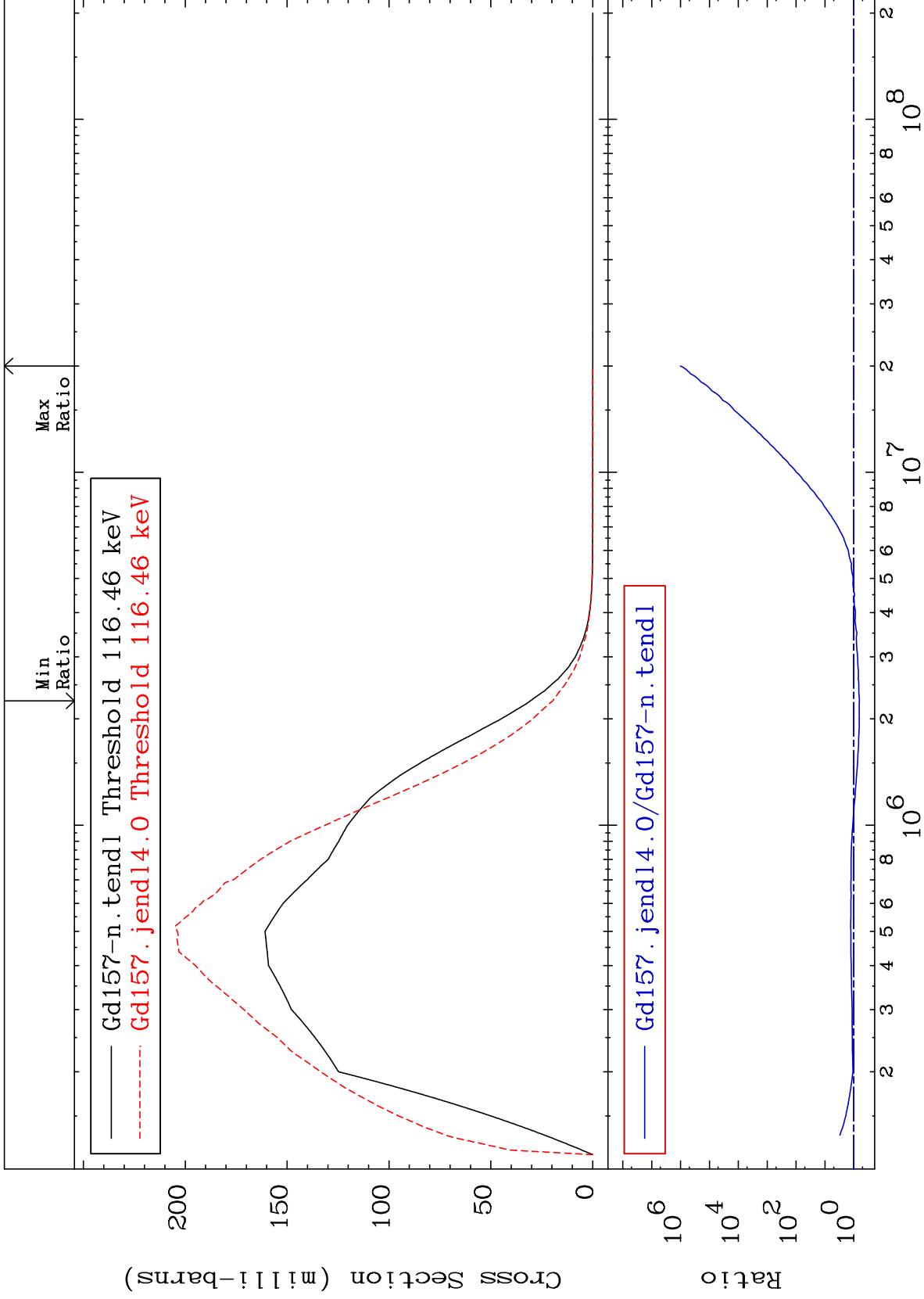
64-Gd-157  
-34.11 To 9999. %



MAT 6440

115.7 keV (n,n') Level  
Cross Section

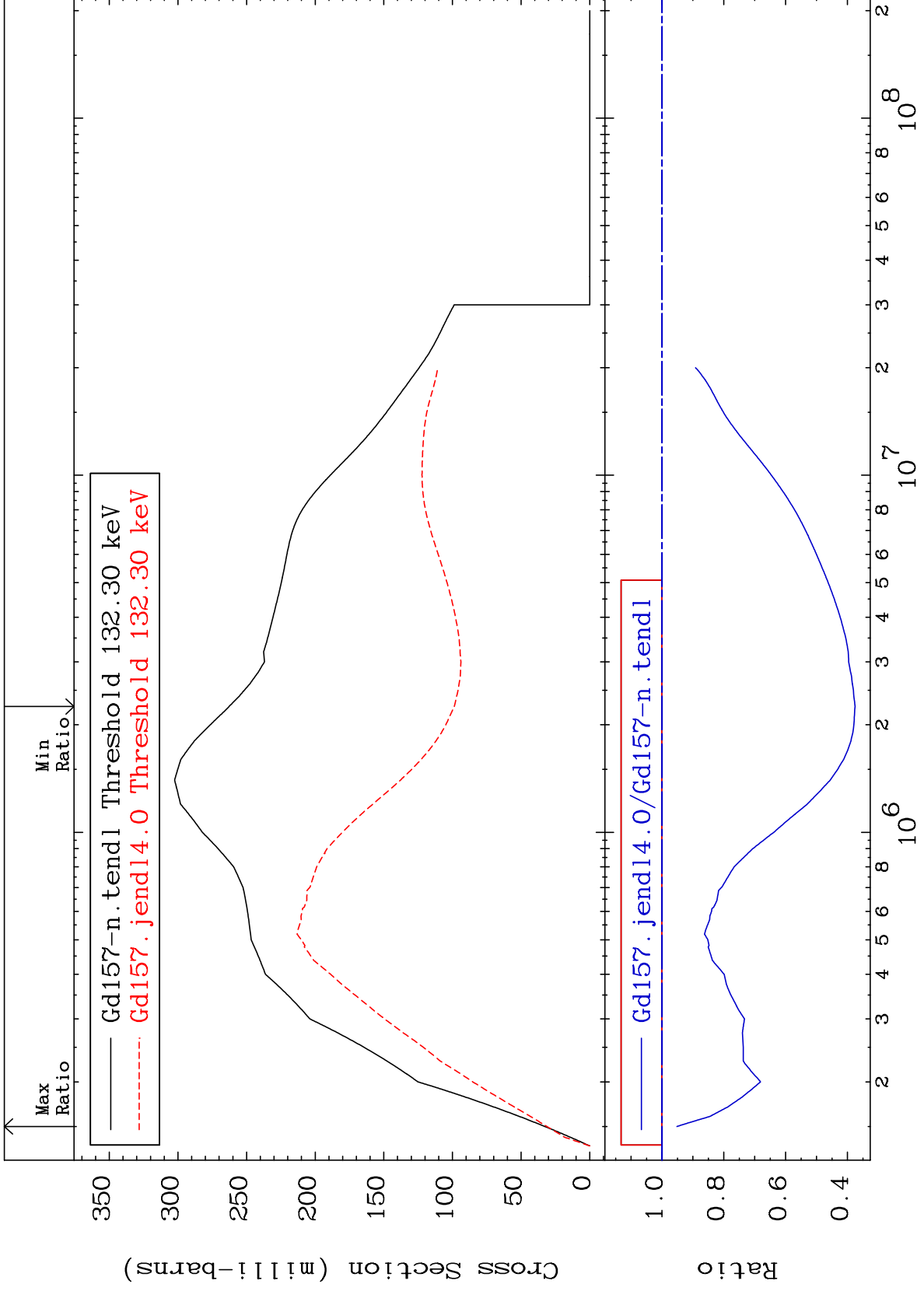
64-Gd-157  
-35.78 To 9999. %



MAT 6440

131.5 keV (n,n') Level  
Cross Section

64-Gd-157  
-62.46 To -4.820%



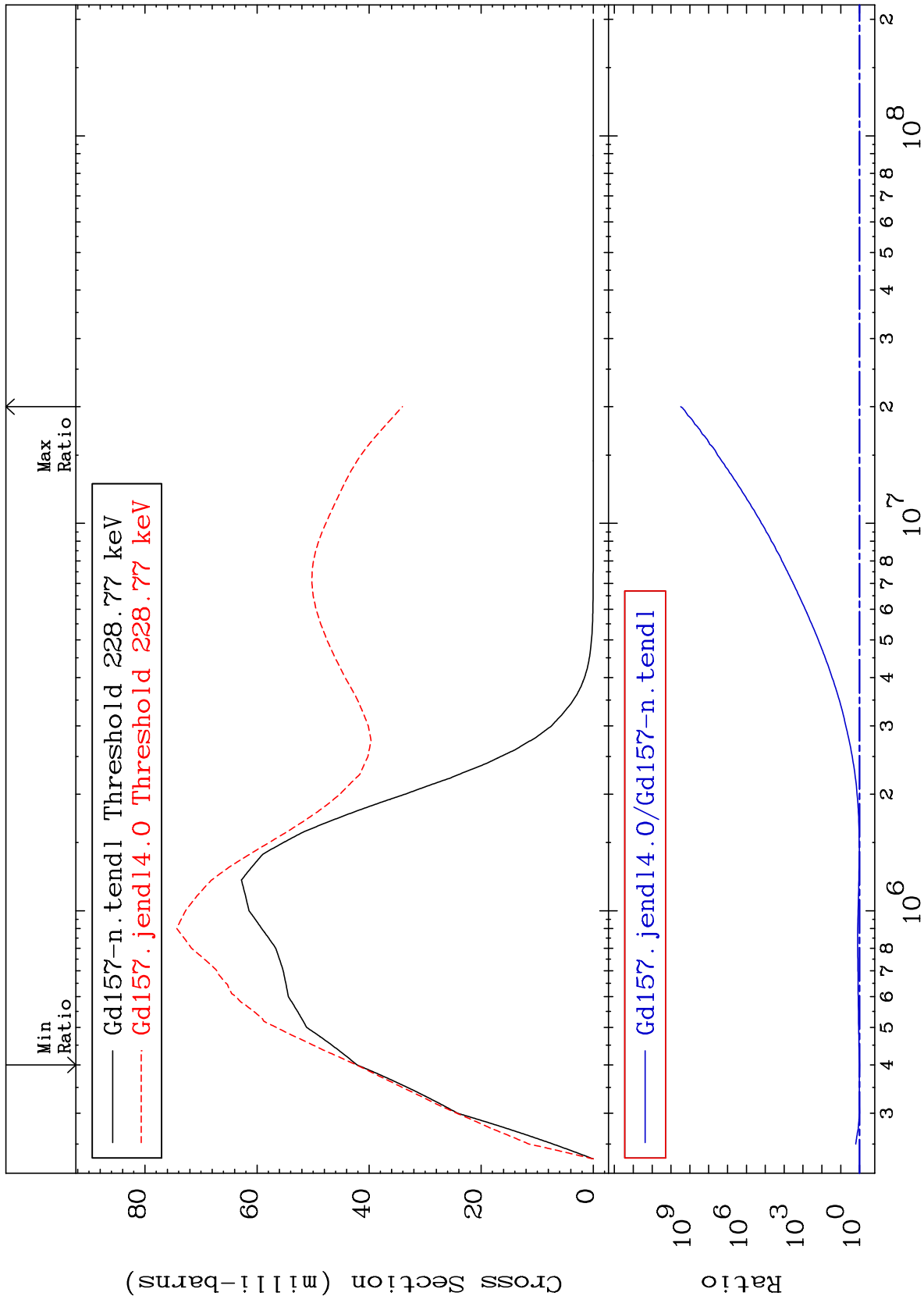
14

Incident Energy (eV)

64-Gd-157



MAT 6440 227.3 keV (n,n') Level 64-Gd-157  
 Cross Section 0.293 To 9999. %

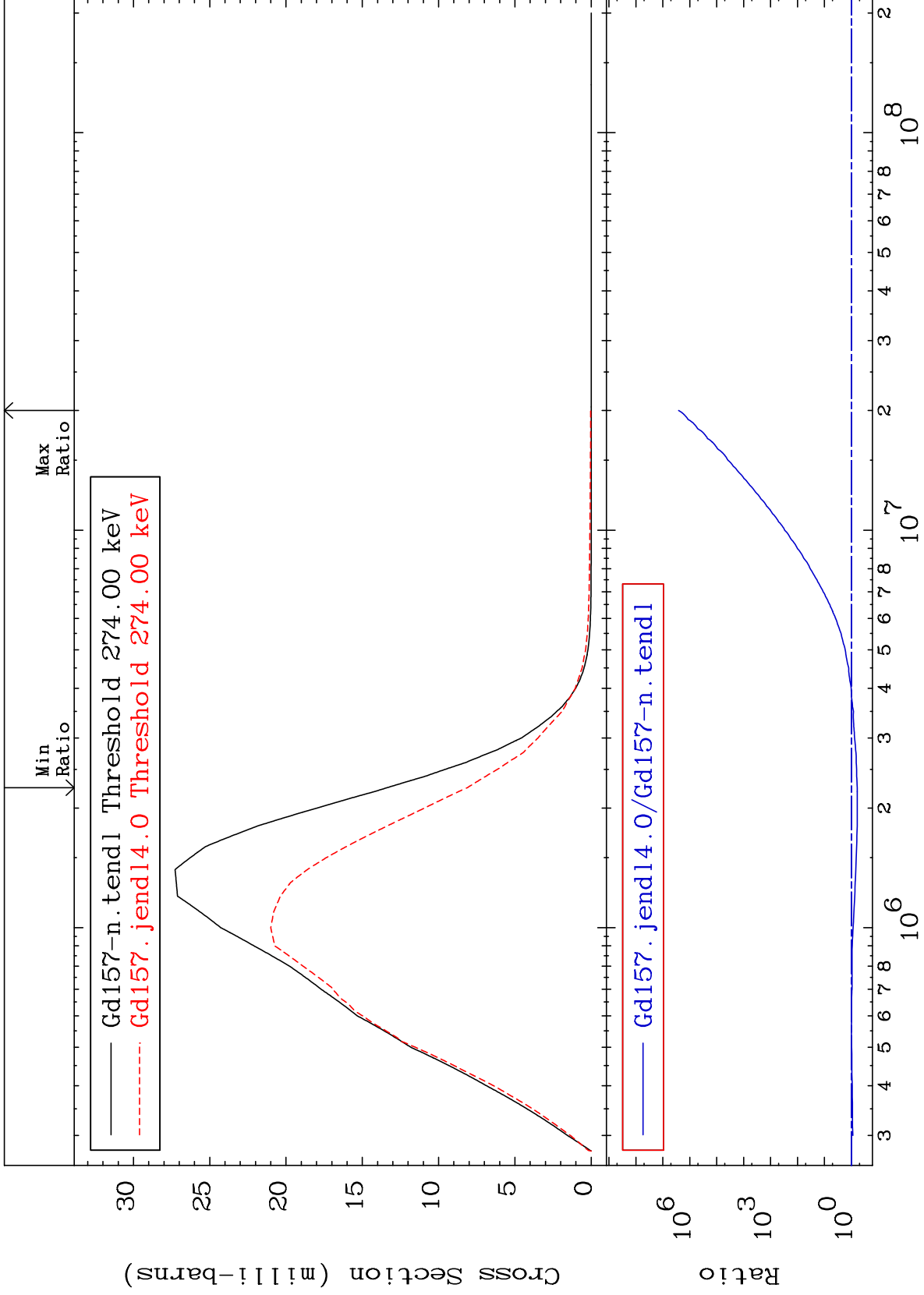




MAT 6440

272.3 keV (n,n') Level  
Cross Section

64-Gd-157  
-39.31 To 9999. %



17

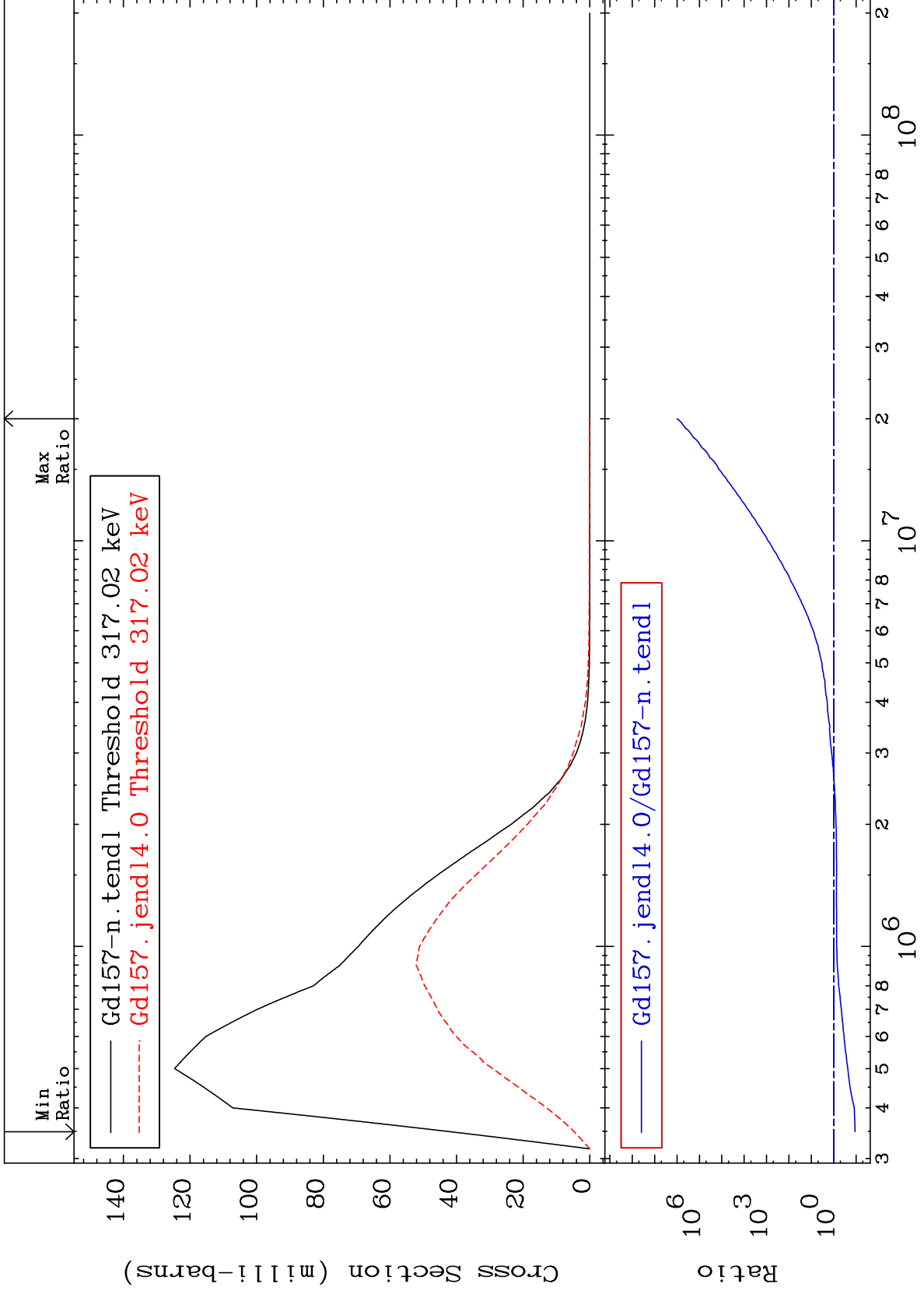
Incident Energy (eV)

64-Gd-157

MAT 6440

315.0 keV (n,n') Level  
Cross Section

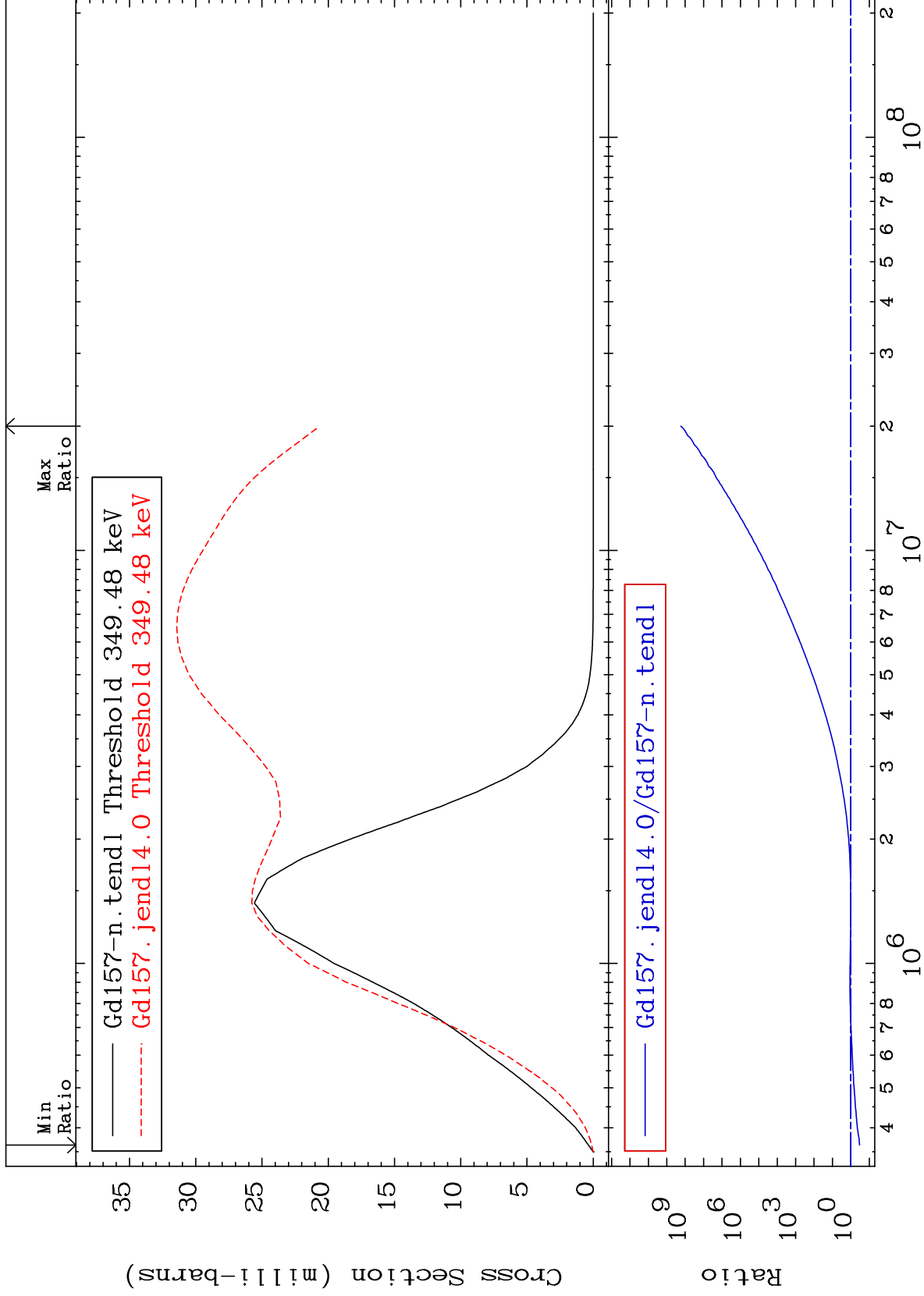
64-Gd-157  
-88.90 To 9999. %



MAT 6440

347.3 keV (n,n') Level  
Cross Section

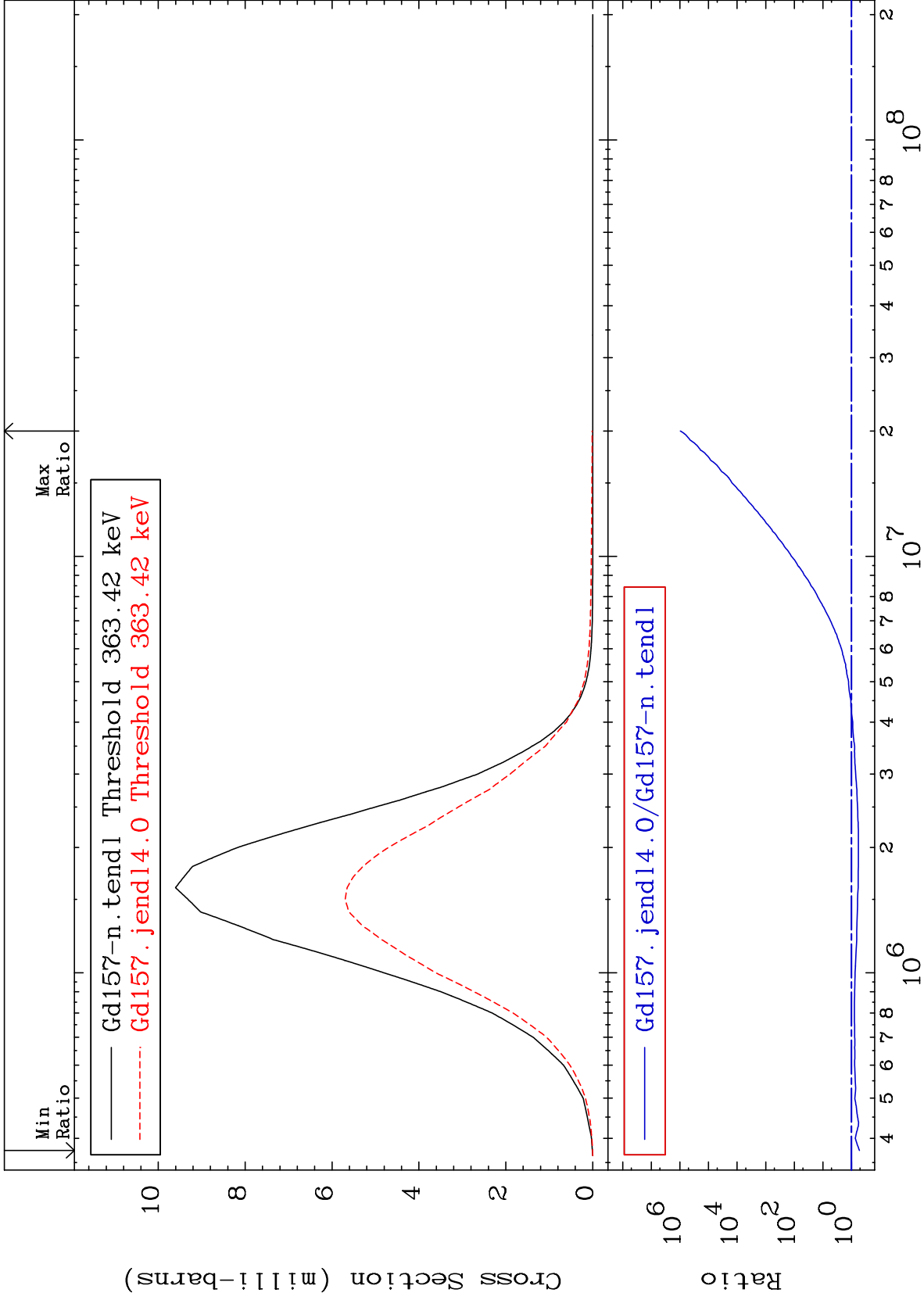
64-Gd-157  
-66.28 To 9999. %



MAT 6440

361.1 keV (n,n') Level  
Cross Section

64-Gd-157  
-47.14 To 9999. %



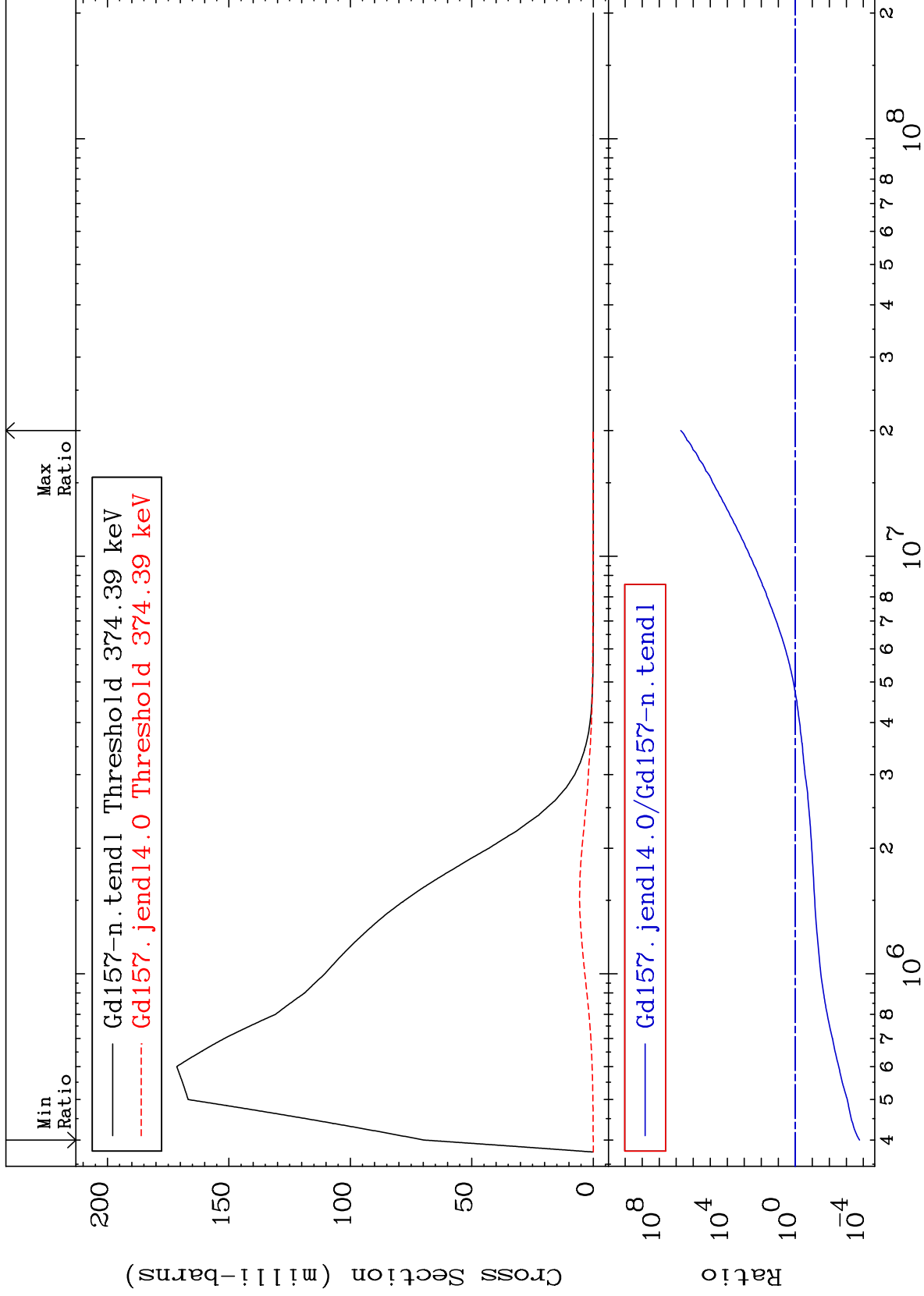
20

64-Gd-157

MAT 6440

372.0 keV (n,n') Level  
Cross Section

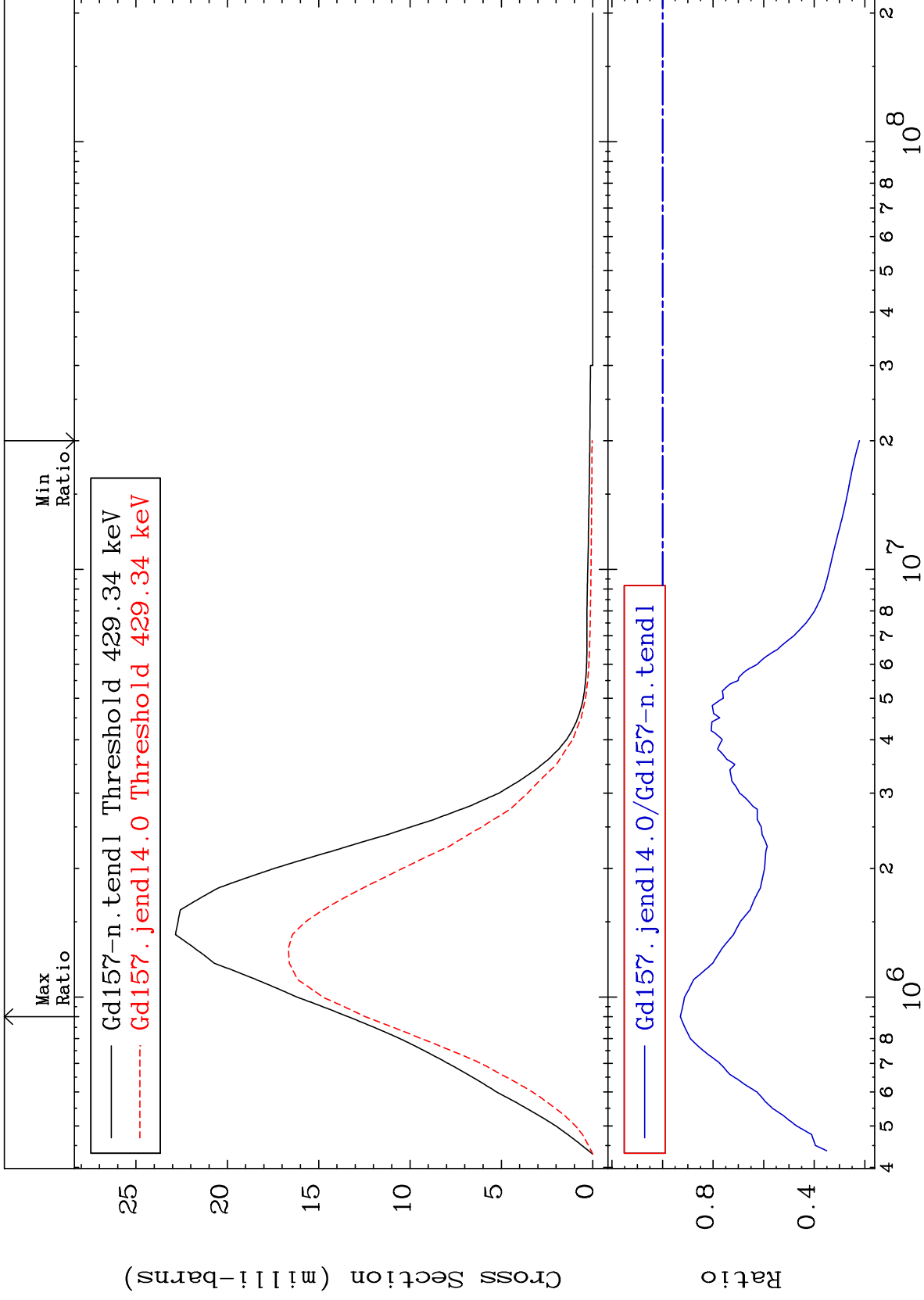
64-Gd-157  
-99.98 To 9999. %



MAT 6440

426.6 keV (n,n') Level  
Cross Section

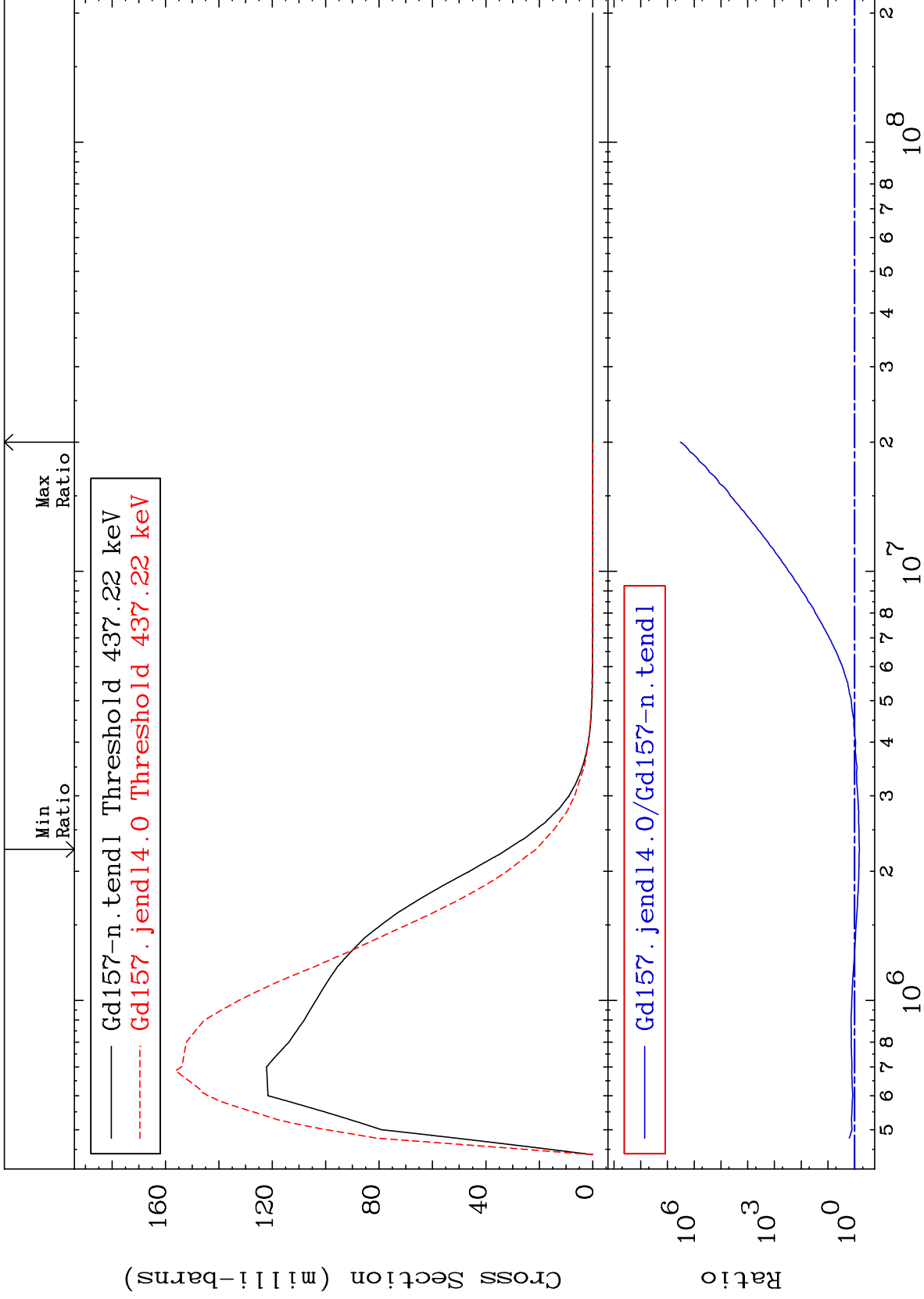
64-Gd-157  
-77.88 To -7.047%



MAT 6440

434.4 keV (n,n') Level  
Cross Section

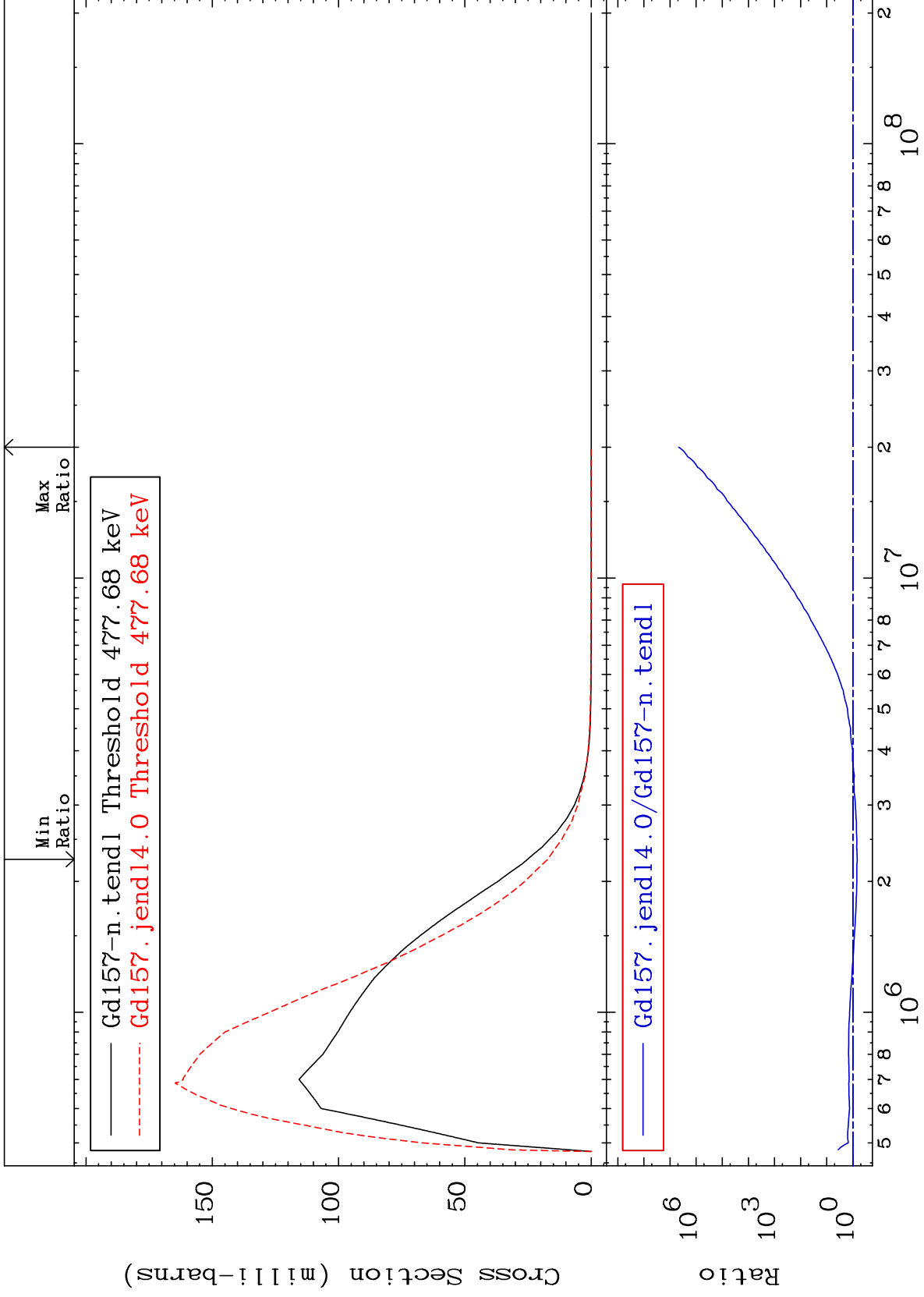
64-Gd-157  
-33.89 To 9999. %



MAT 6440

474.6 keV (n,n') Level  
Cross Section

64-Gd-157  
-31.95 To 9999. %

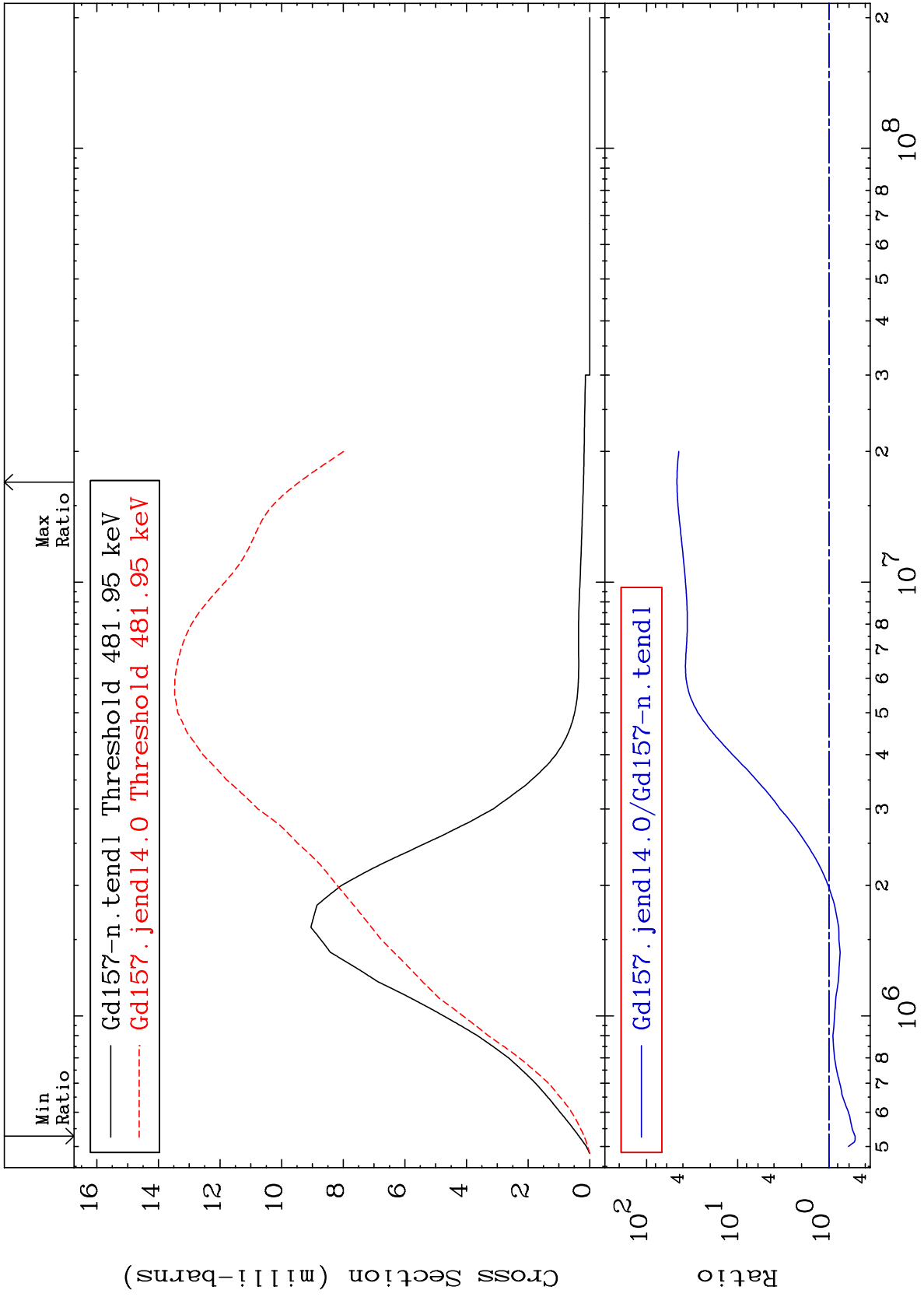




MAT 6440

478.9 keV (n,n') Level  
Cross Section

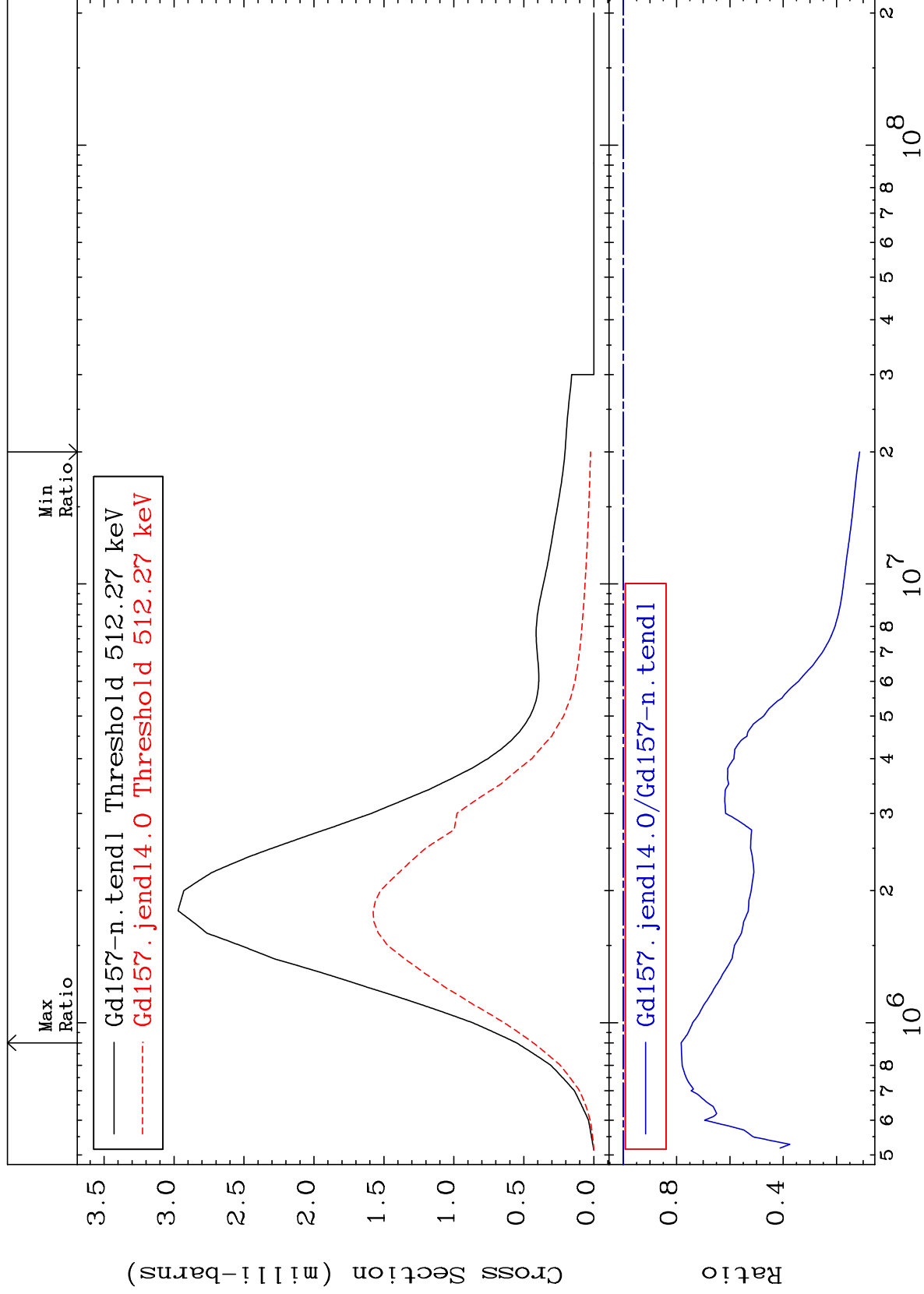
64-Gd-157  
-48.36 To 4547. %



MAT 6440

509.0 keV (n,n') Level  
Cross Section

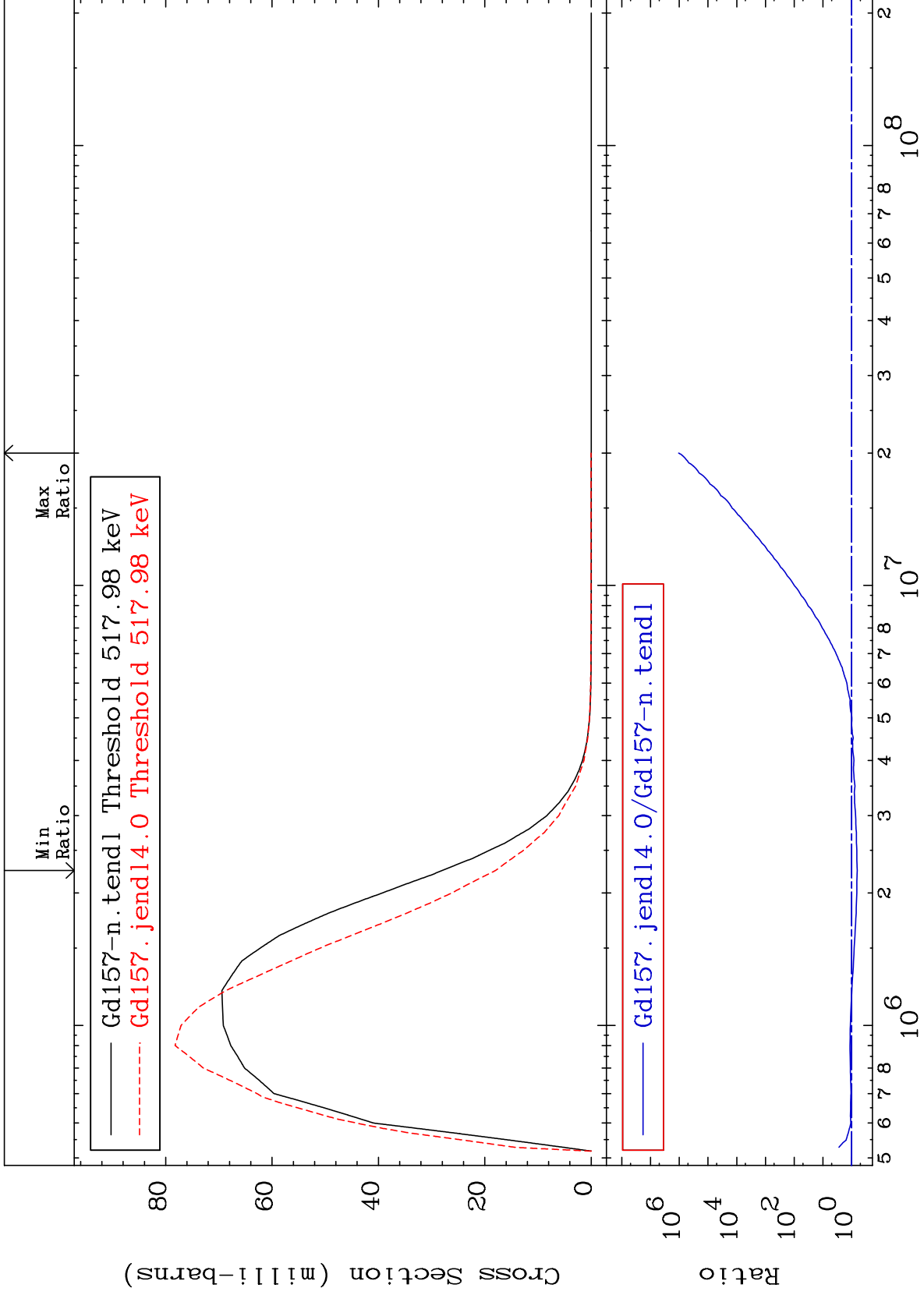
64-Gd-157  
-88.65 To -21.73%



MAT 6440

514.7 keV (n,n') Level  
Cross Section

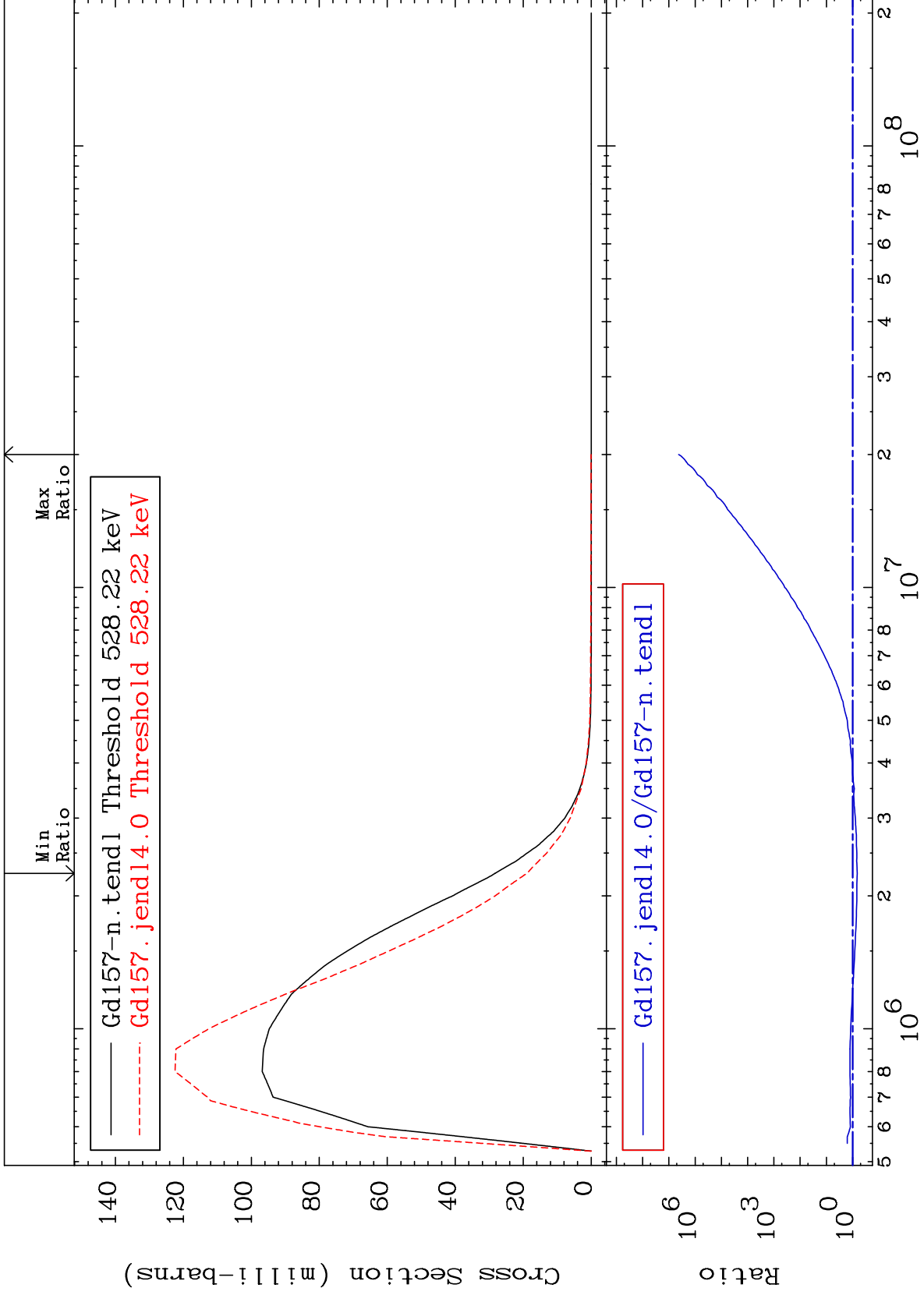
64-Gd-157  
-35.88 To 9999. %



MAT 6440

524.8 keV (n,n') Level  
Cross Section

64-Gd-157  
-33.15 To 9999. %



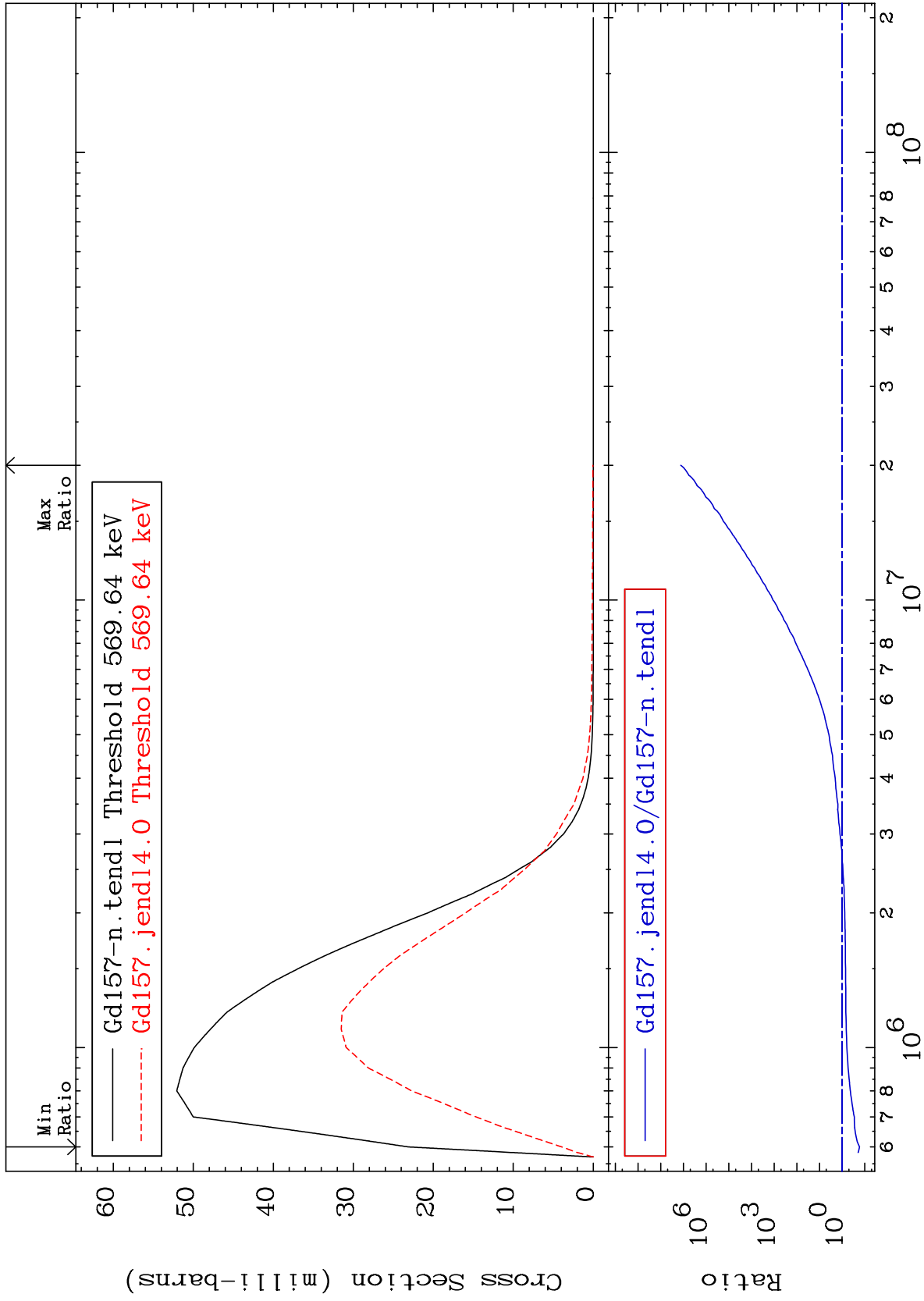
MAT 6440

566.0 keV (n,n') Level

64-Gd-157

-82.90 To 9999. %

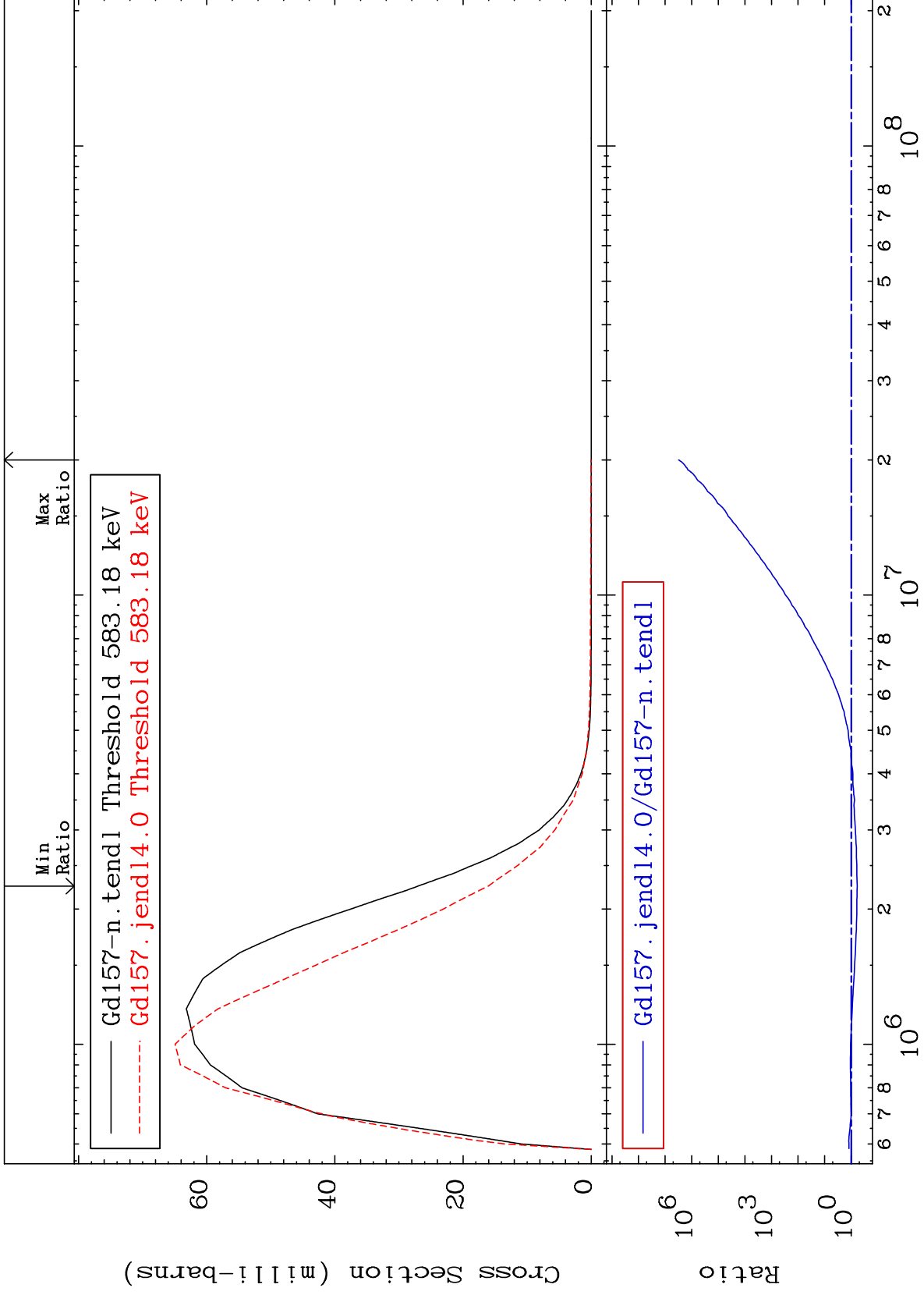
Cross Section



MAT 6440

579.5 keV (n,n') Level  
Cross Section

64-Gd-157  
-40.59 To 9999. %



30

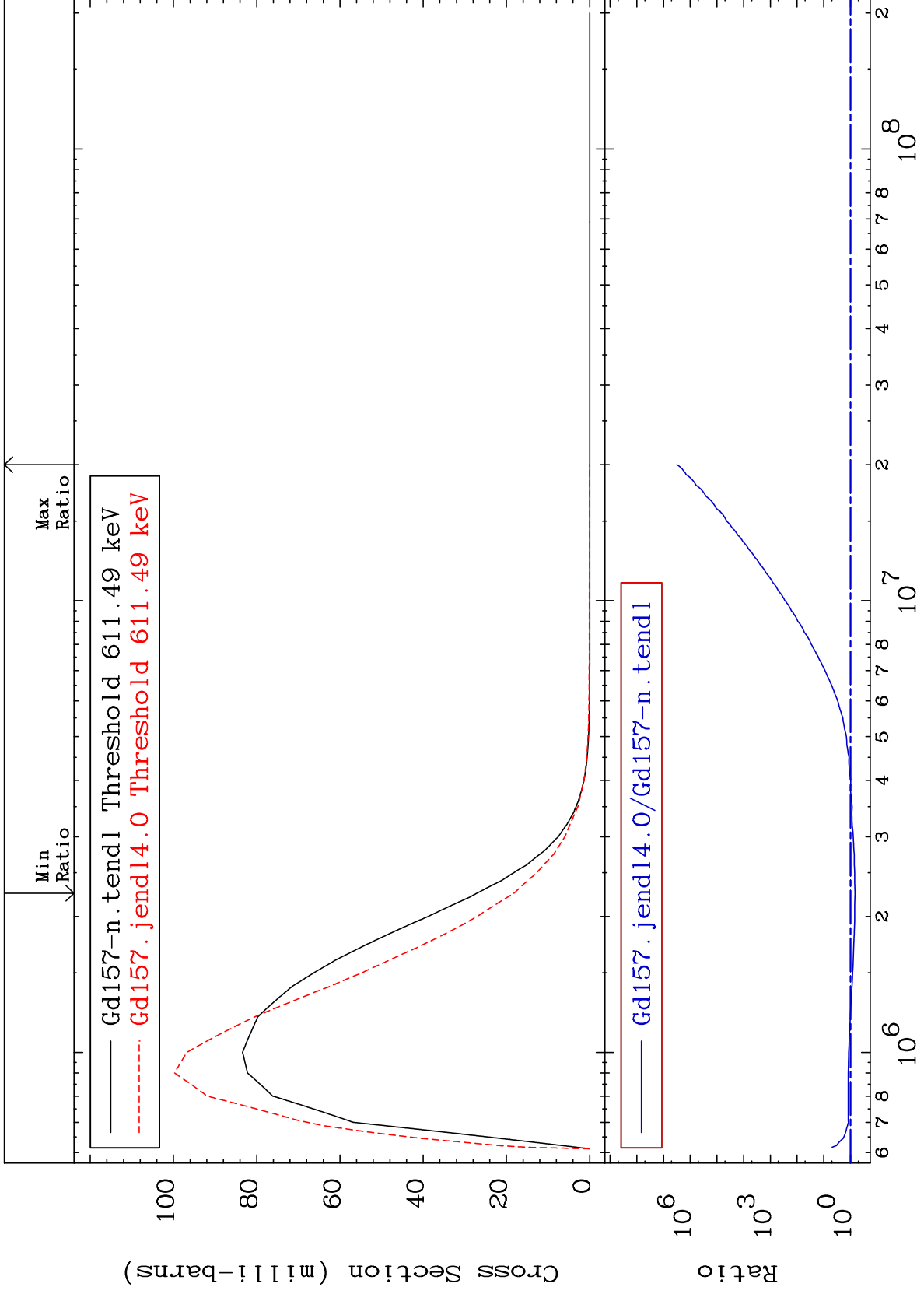
Incident Energy (eV)

64-Gd-157

MAT 6440

607.6 keV (n,n') Level  
Cross Section

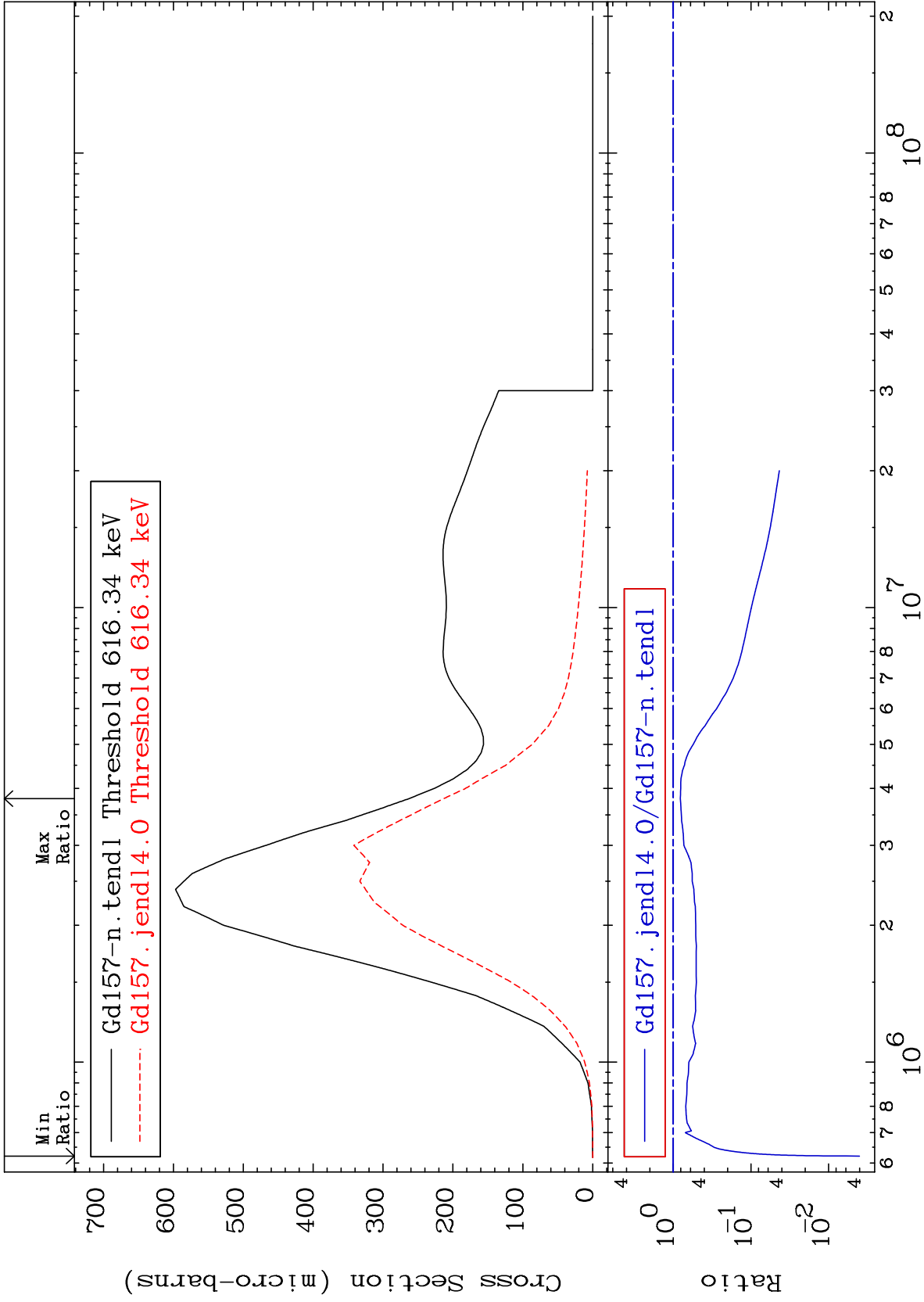
64-Gd-157  
-32.91 To 9999. %



MAT 6440

612.4 keV (n,n') Level  
Cross Section

64-Gd-157  
-99.60 To -18.90%

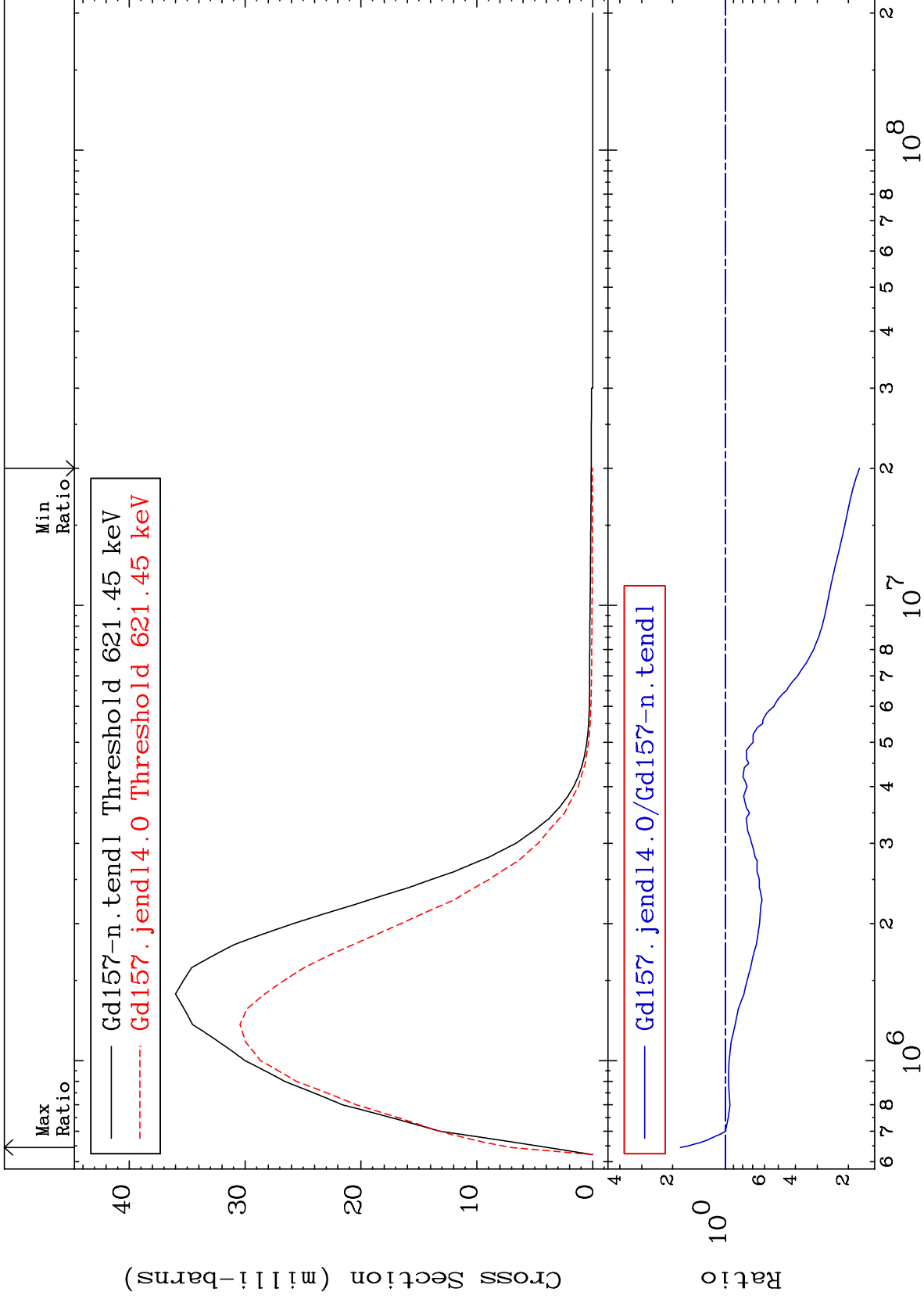




MAT 6440

617.5 keV (n,n') Level  
Cross Section

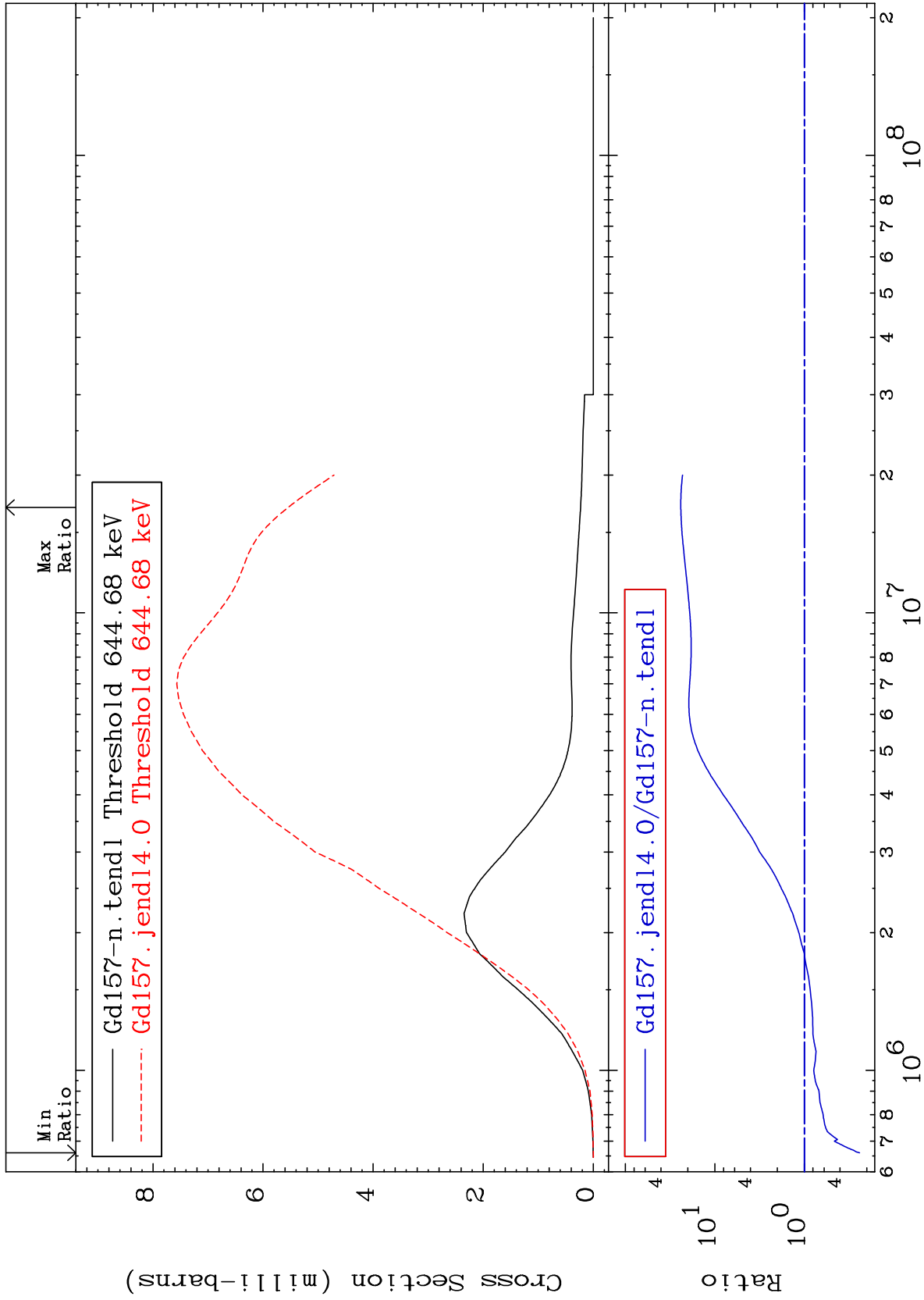
64-Gd-157  
-82.72 To 80.86 %



MAT 6440

640.6 keV (n,n') Level  
Cross Section

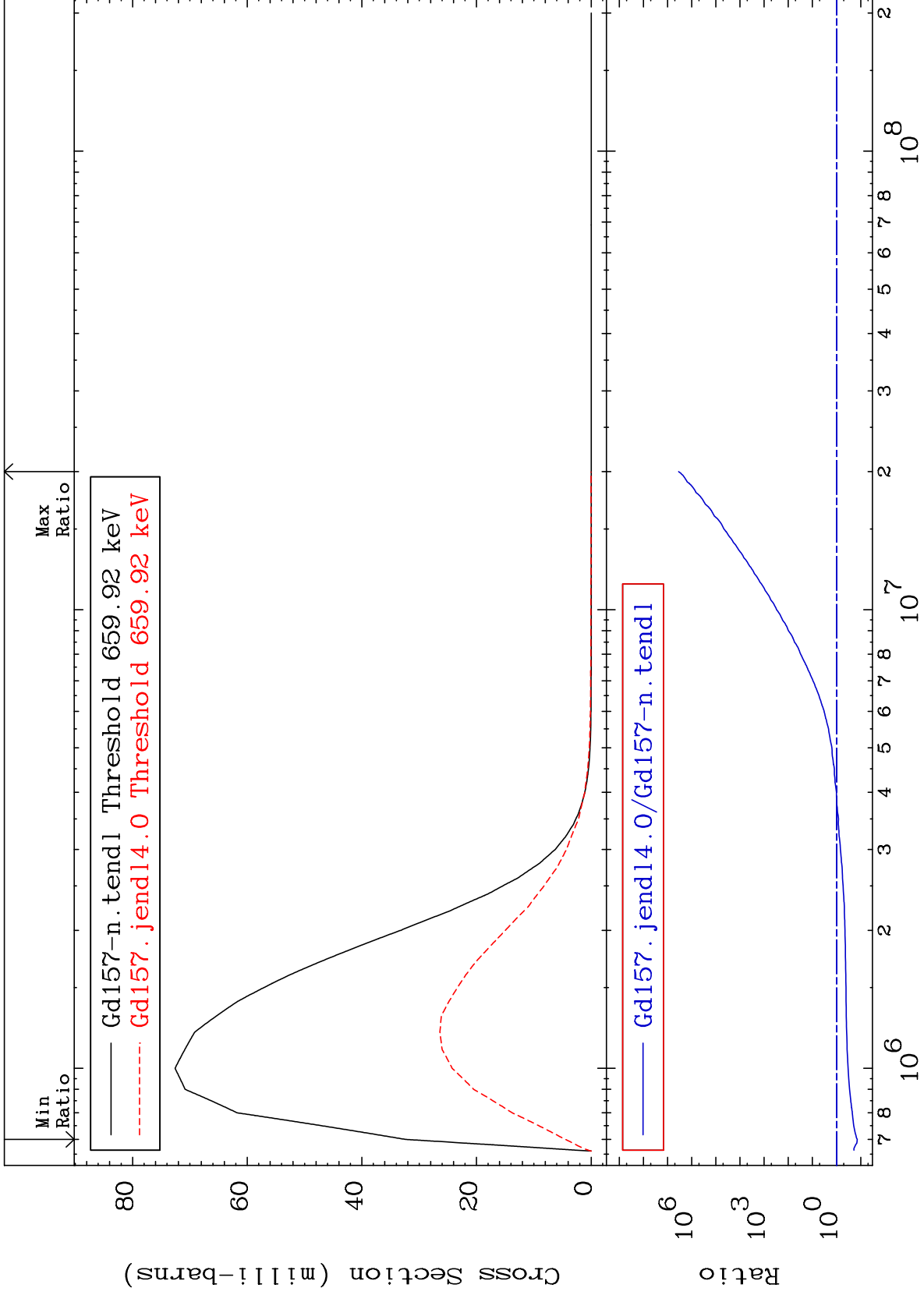
64-Gd-157  
-75.83 To 2302. %



MAT 6440

655.7 keV (n,n') Level  
Cross Section

64-Gd-157  
-86.10 To 9999. %



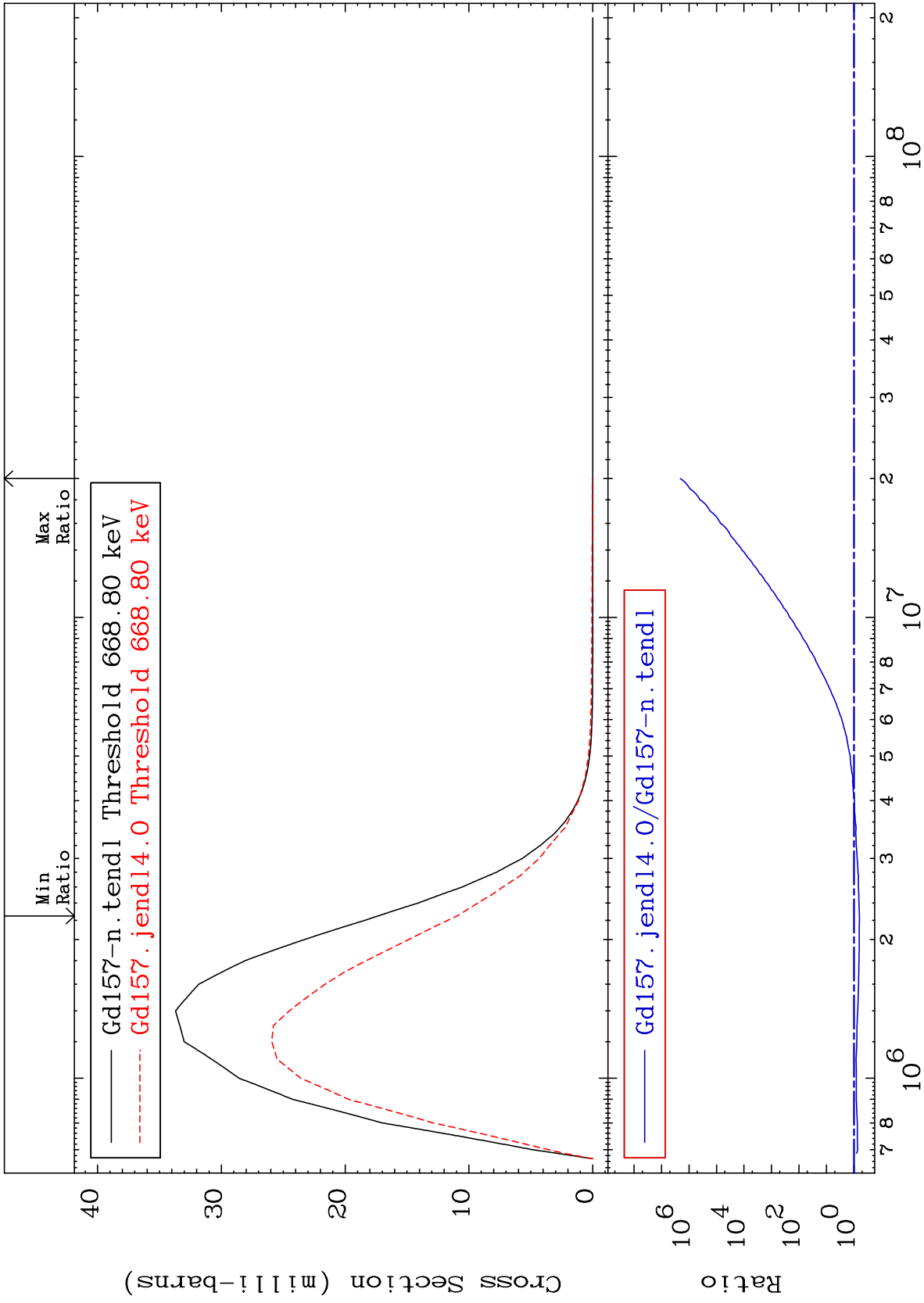
35

64-Gd-157

MAT 6440

664.5 keV (n,n') Level  
Cross Section

64-Gd-157  
-36.93 To 9999. %



36

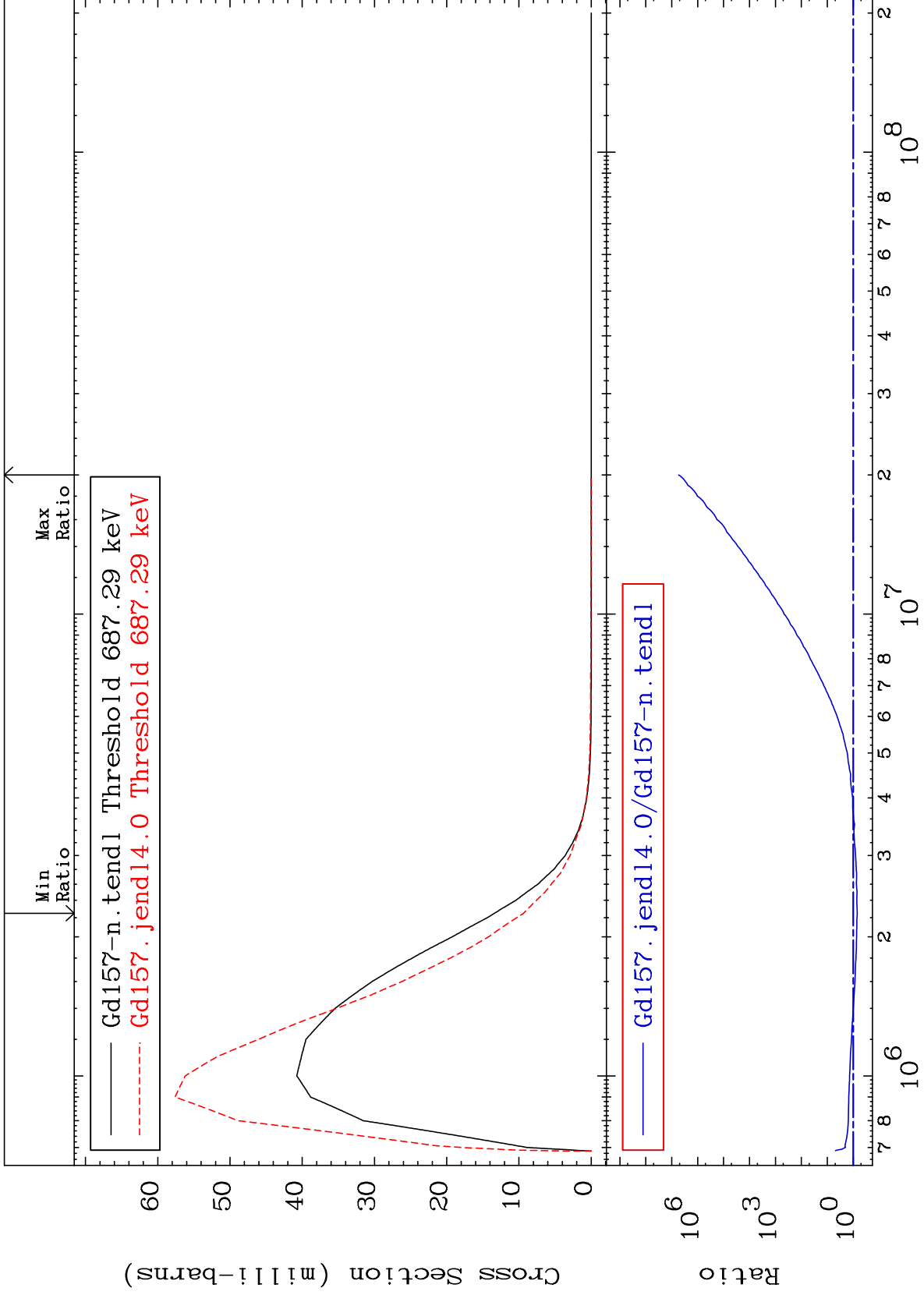
Incident Energy (eV)

64-Gd-157

MAT 6440

682.9 keV (n,n') Level  
Cross Section

64-Gd-157  
-30.07 To 9999. %



37

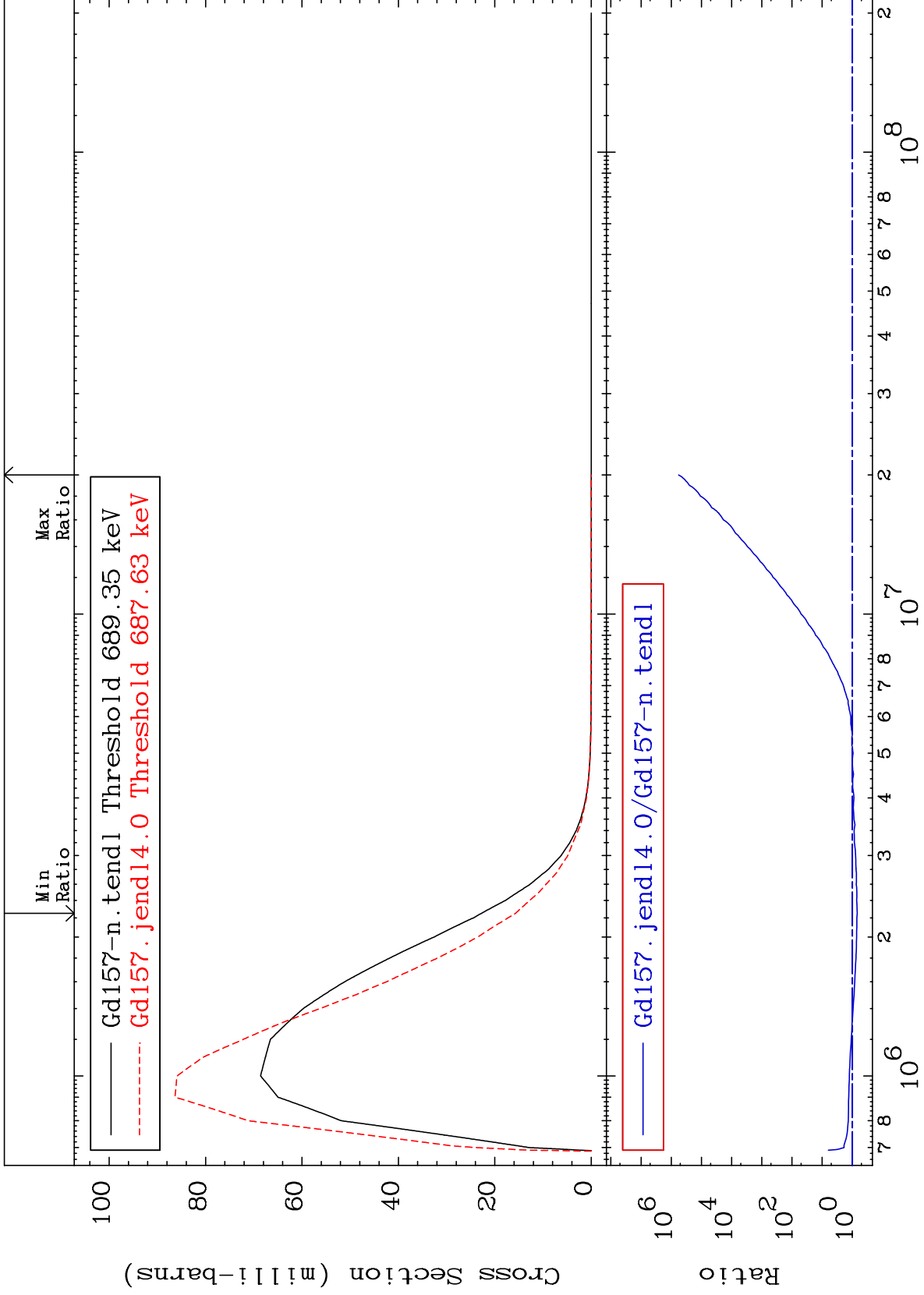
Incident Energy (eV)

64-Gd-157

MAT 6440

685.0 keV (n,n') Level  
Cross Section

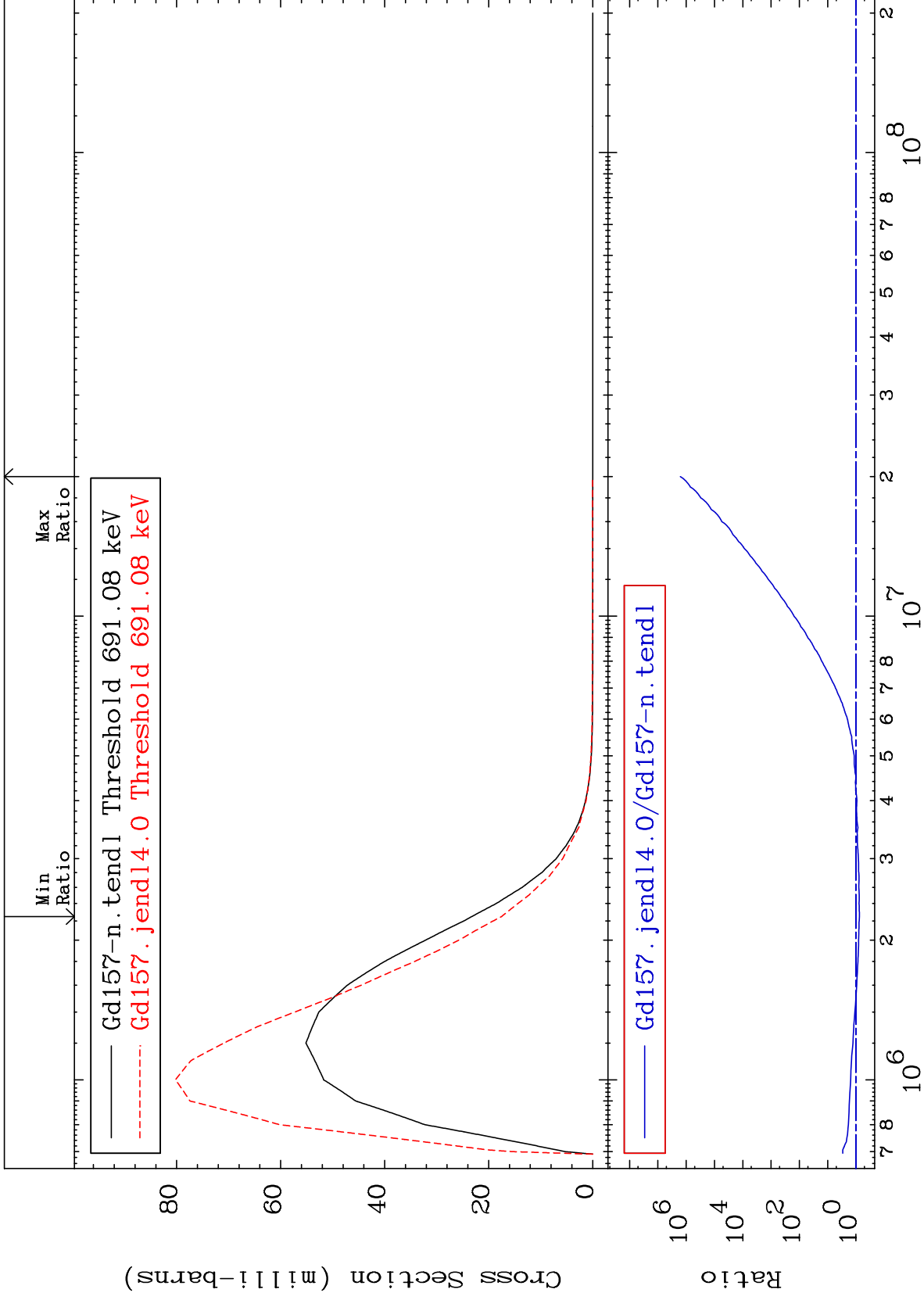
64-Gd-157  
-31.14 To 9999. %



MAT 6440

686.7 keV (n,n') Level  
Cross Section

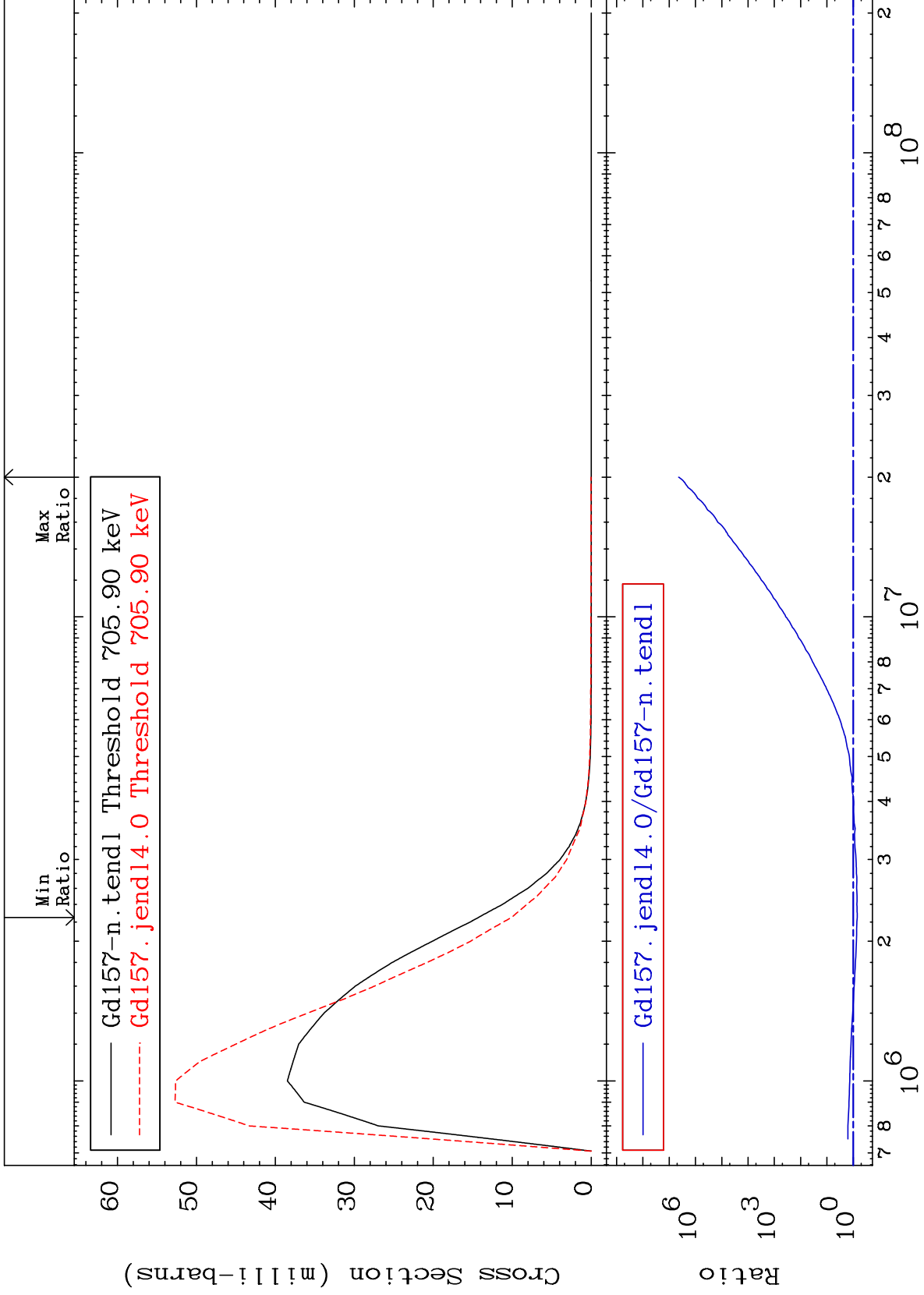
64-Gd-157  
-24.61 To 9999. %



MAT 6440

701.4 keV (n,n') Level  
Cross Section

64-Gd-157  
-29.51 To 9999. %



40

Incident Energy (eV)

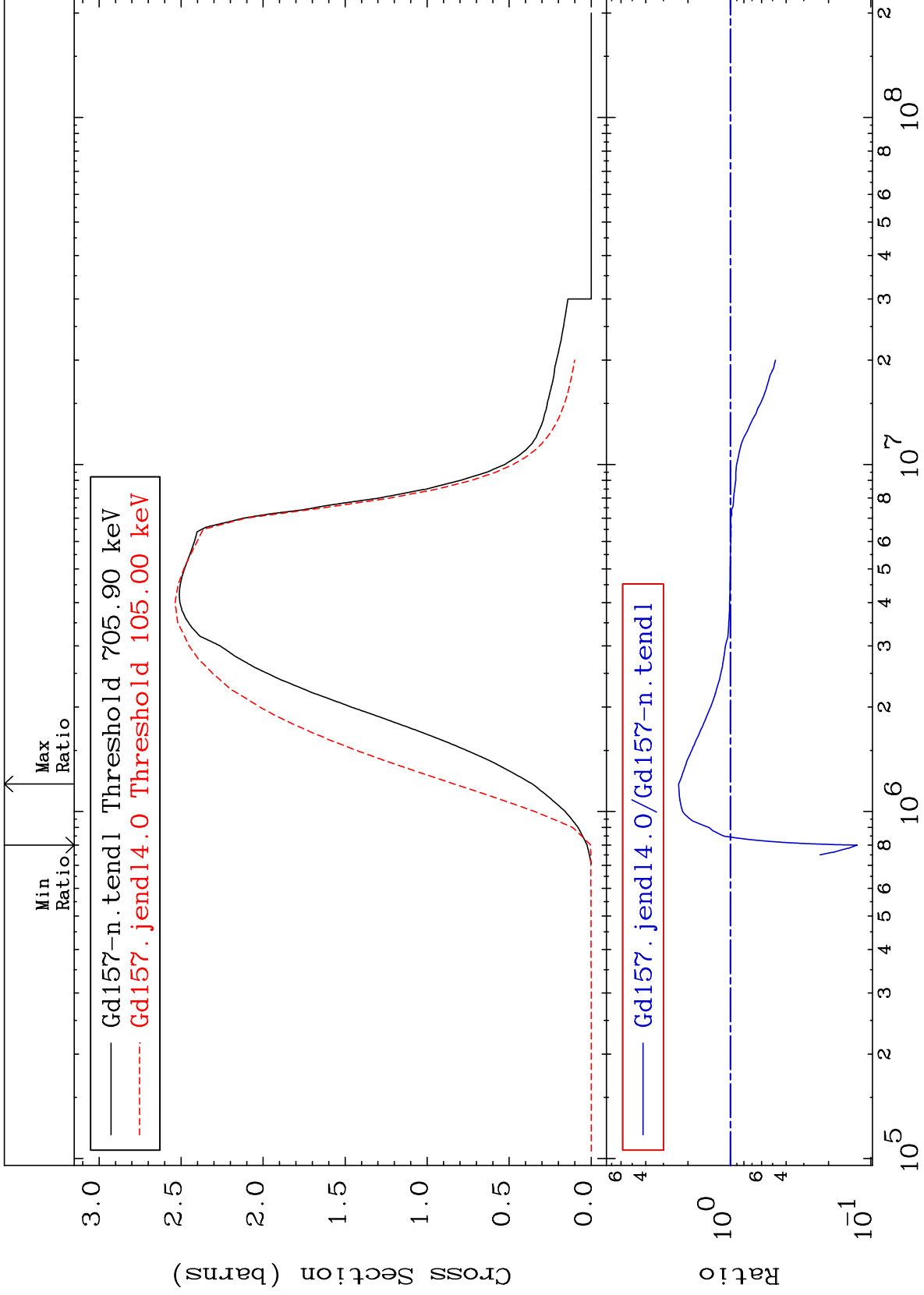
64-Gd-157



MAT 6440

(n, n') Continuum  
Cross Section

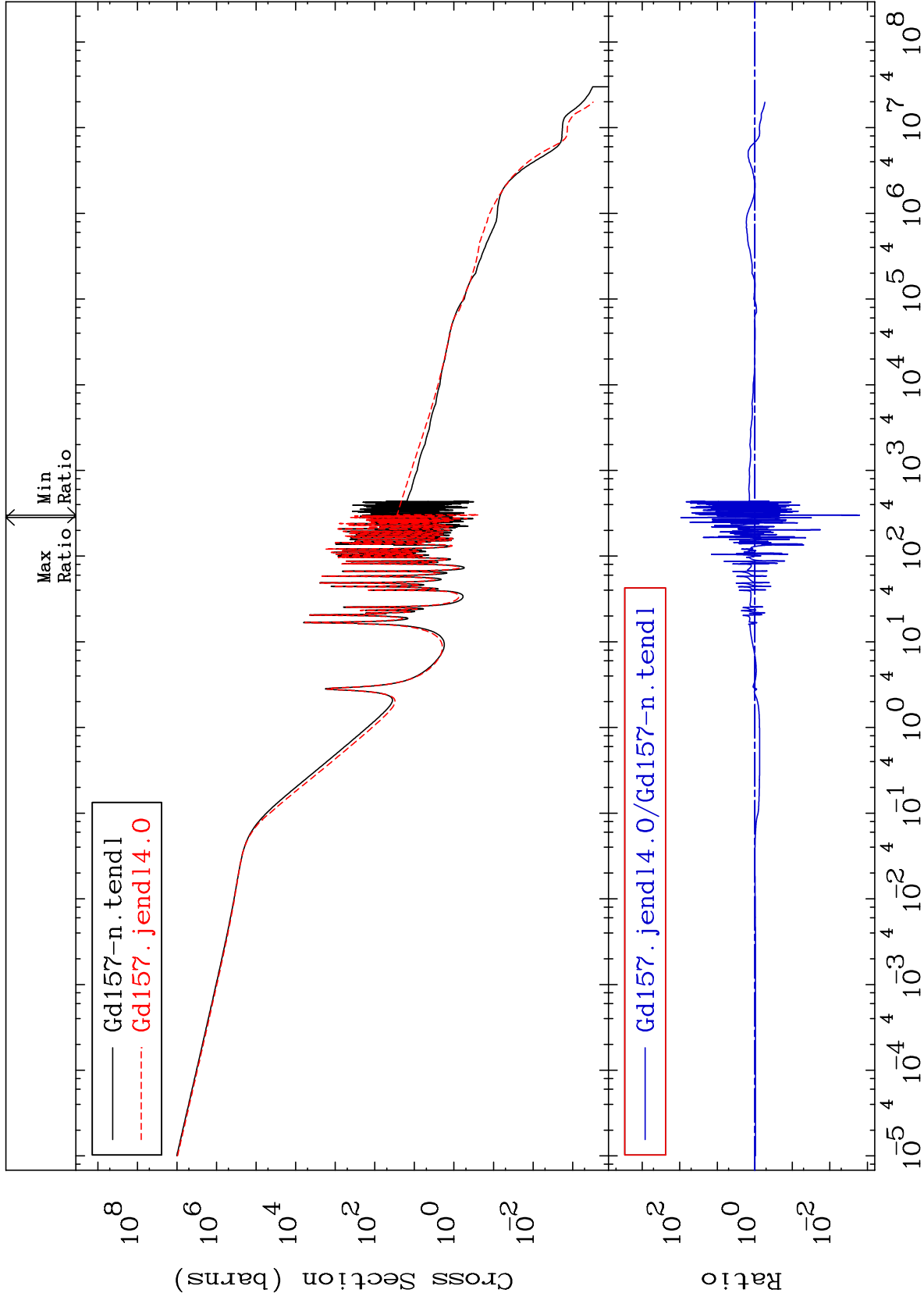
64-Gd-157  
-87.52 To 133.3 %



MAT 6440

64-Gd-157

-99.84 To 9293. %



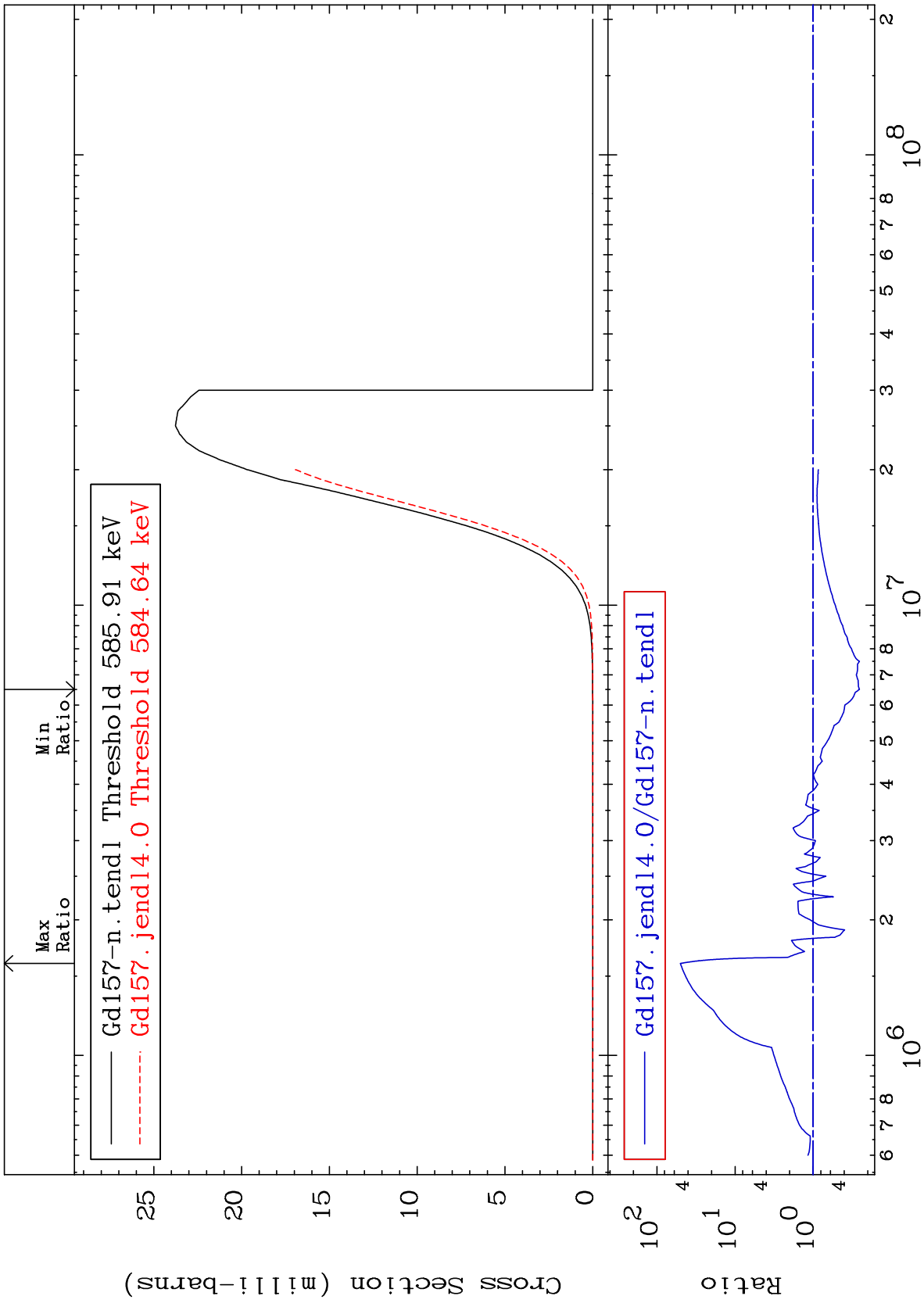
MAT 6440

(n,p)

64-Gd-157

Cross Section

-74.42 To 4918. %



43

Incident Energy (eV)

64-Gd-157

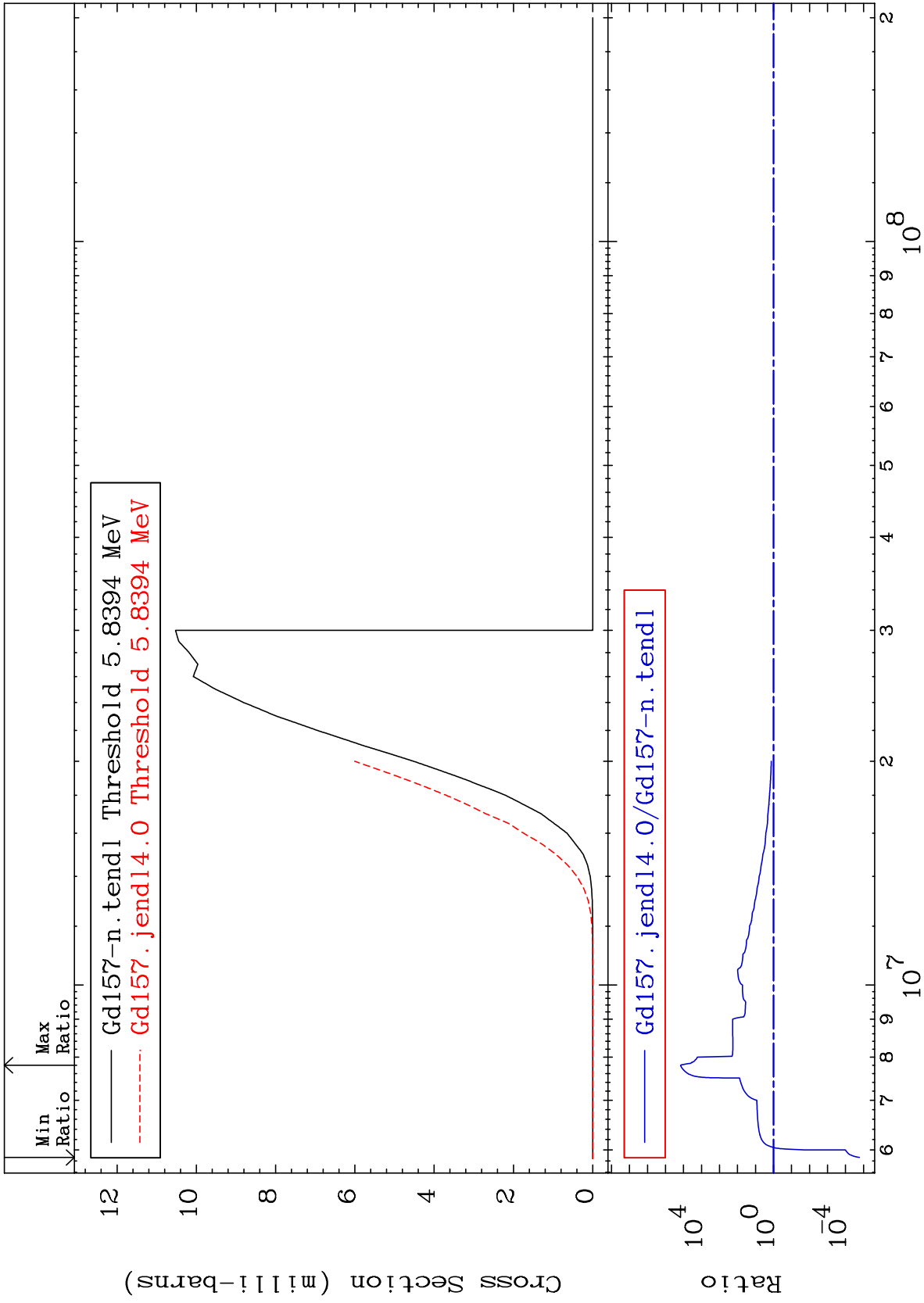
MAT 6440

(n, d)

64-Gd-157

Cross Section

-100.0 To 9999. %



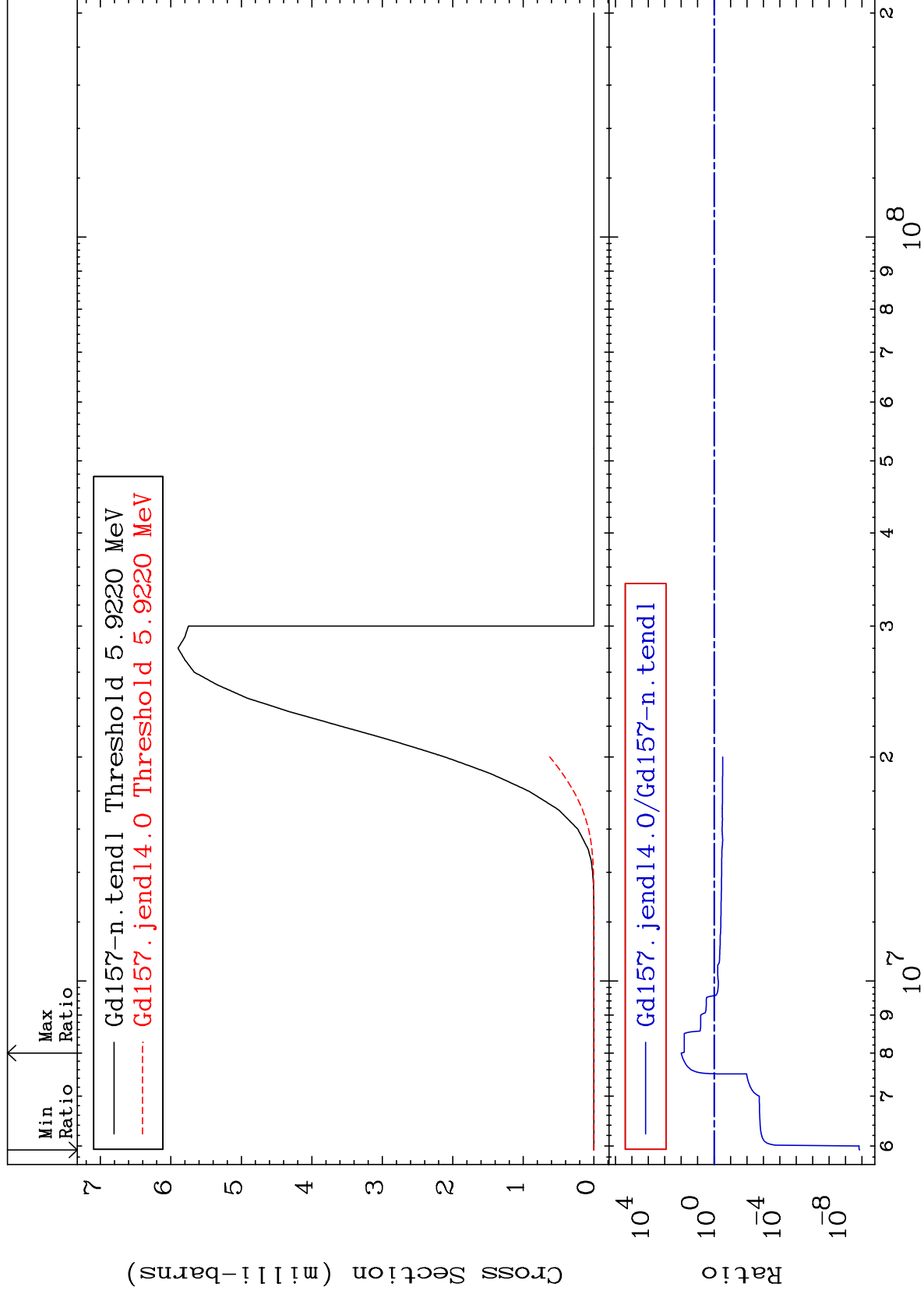
MAT 6440

(n, t)

64-Gd-157

Cross Section

-100.0 To 9951. %



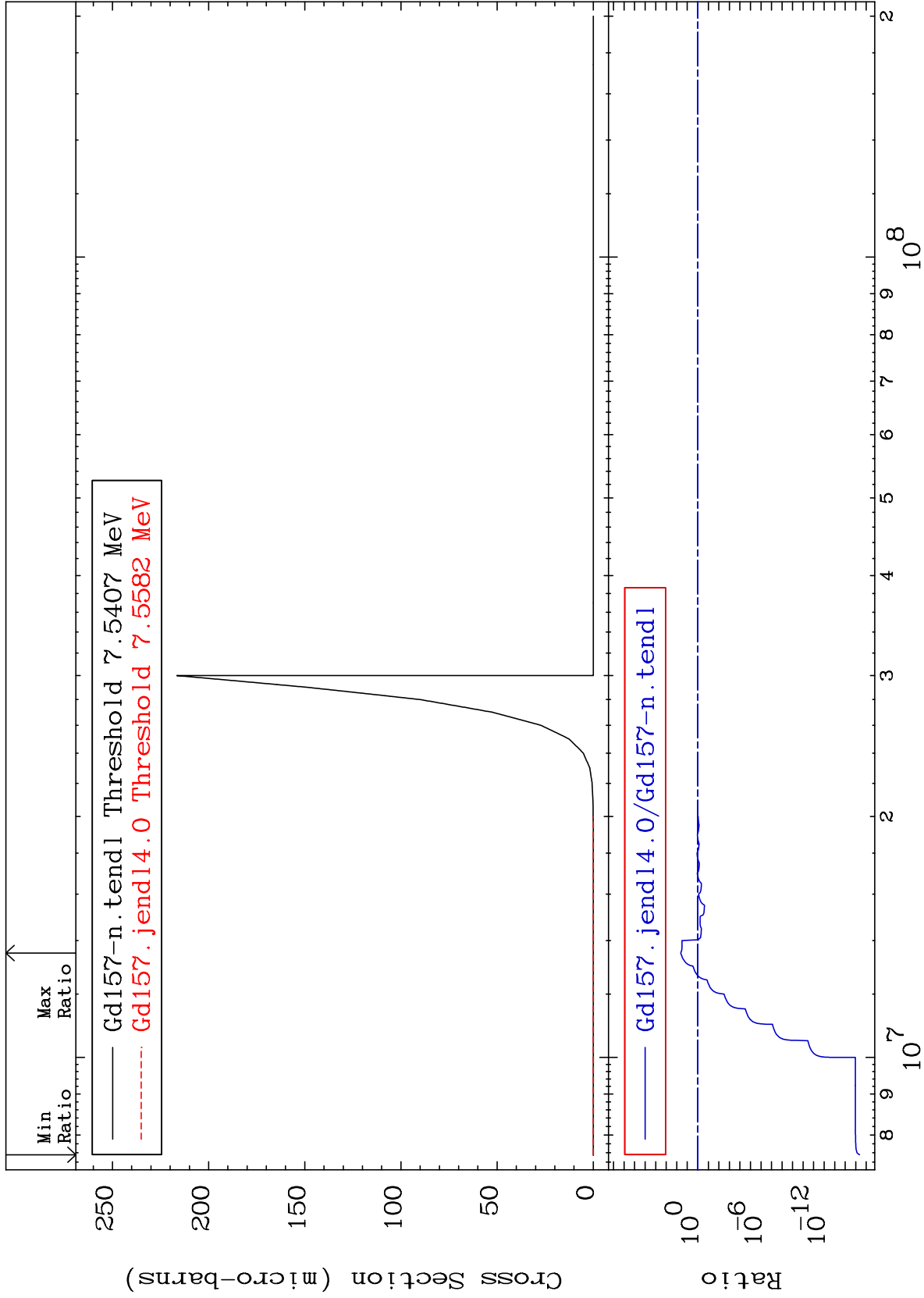
MAT 6440

(n, He-3)

64-Gd-157

Cross Section

-100.0 To 4025. %



46

Incident Energy (eV)

64-Gd-157

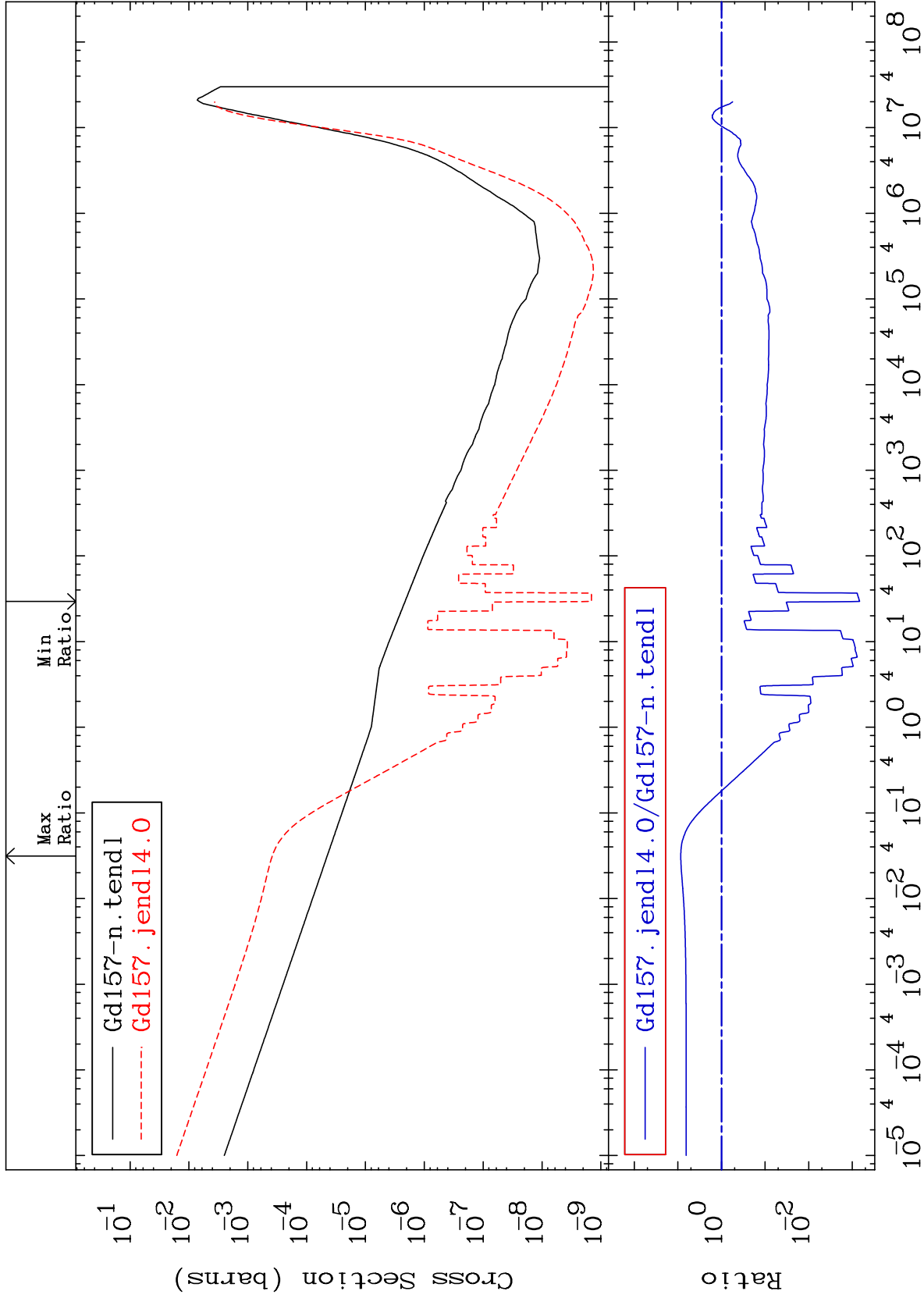
MAT 6440

(n,  $\alpha$ )

64-Gd-157

Cross Section

-99.93 To 756.6 %



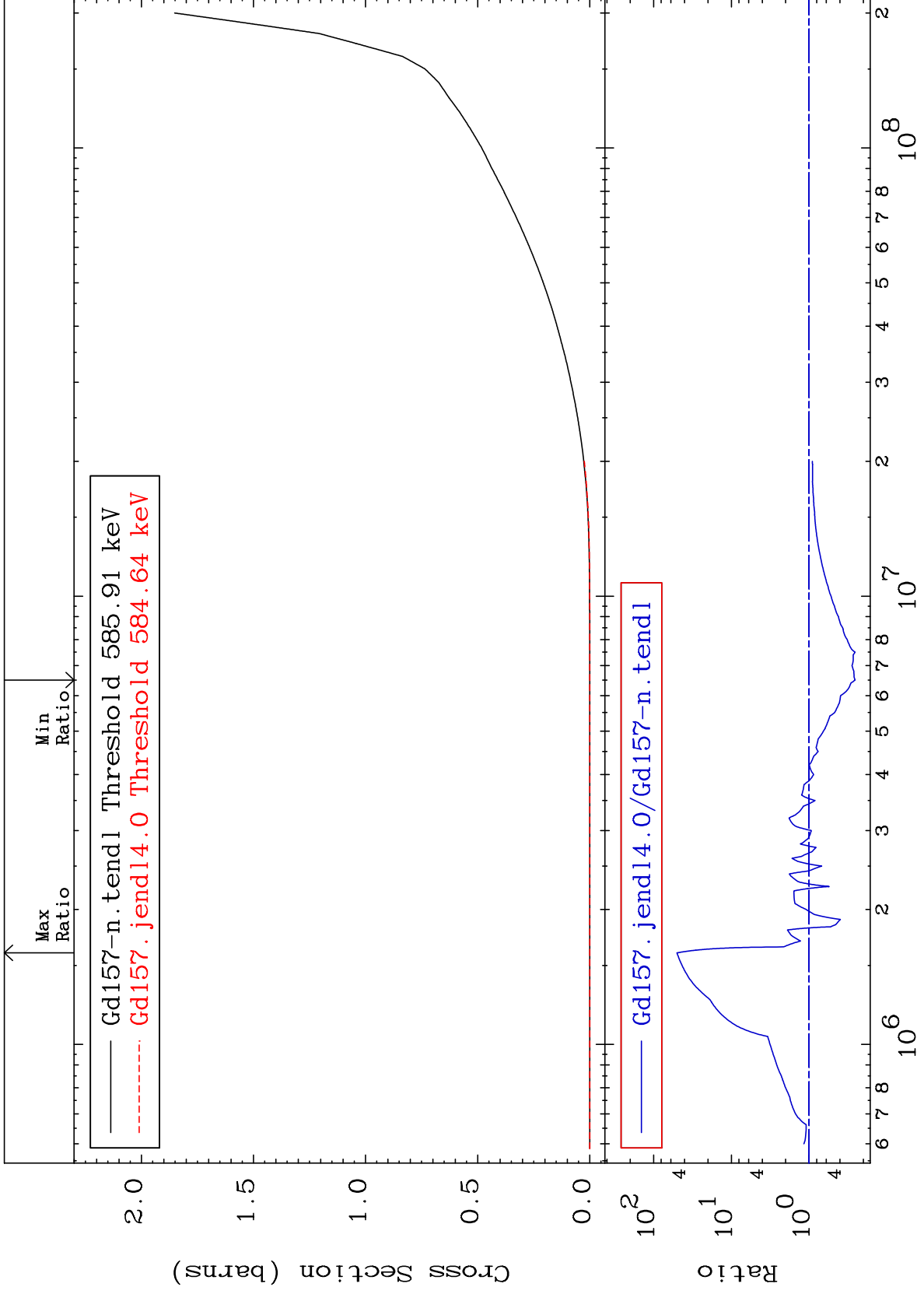
47

64-Gd-157

MAT 6440

### Hydrogen Production Cross Section

64-Gd-157  
-74.42 To 4918. %

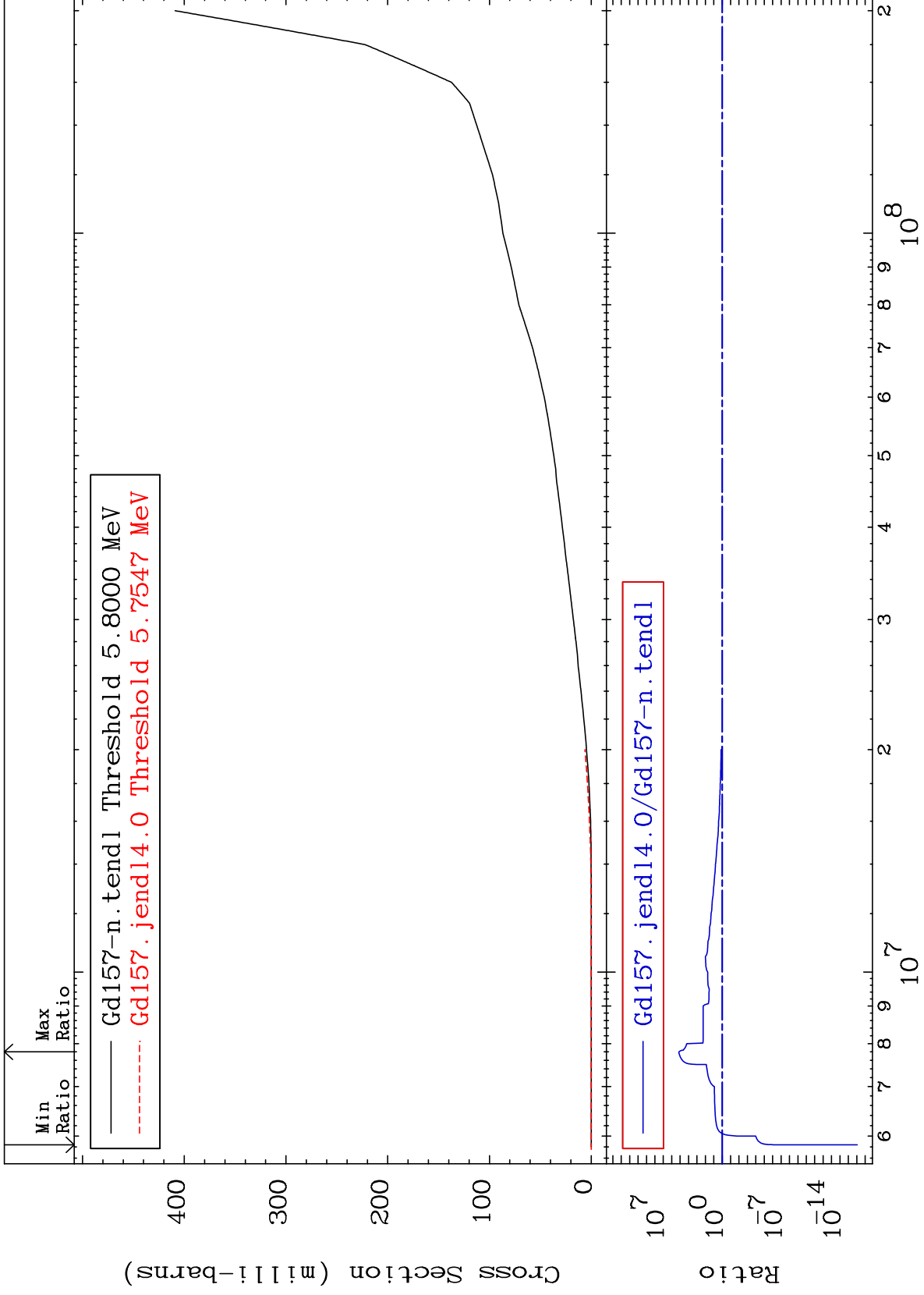




MAT 6440

Deuterium Production  
Cross Section

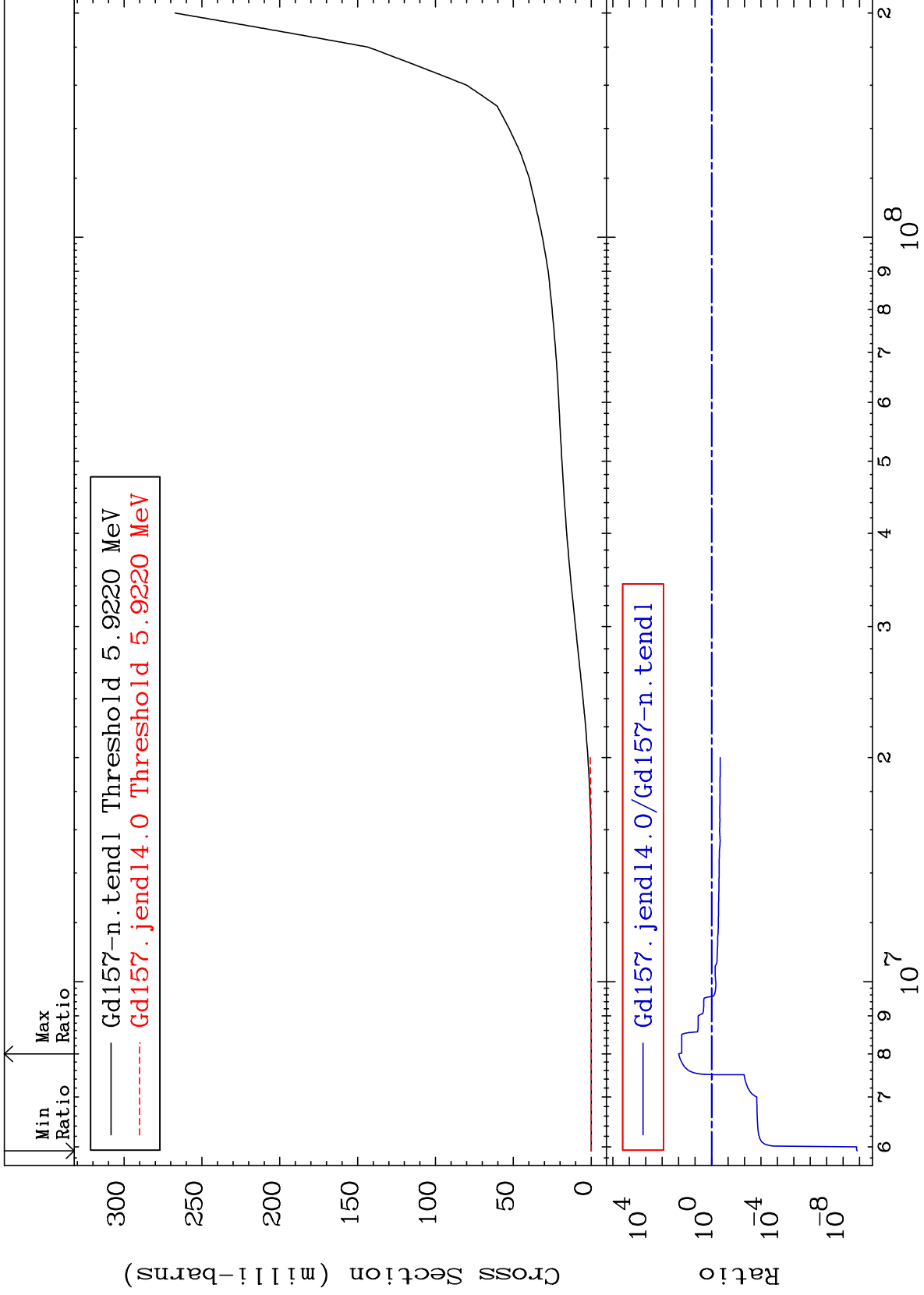
64-Gd-157  
-100.0 To 9999. %



MAT 6440

Tritium Production  
Cross Section

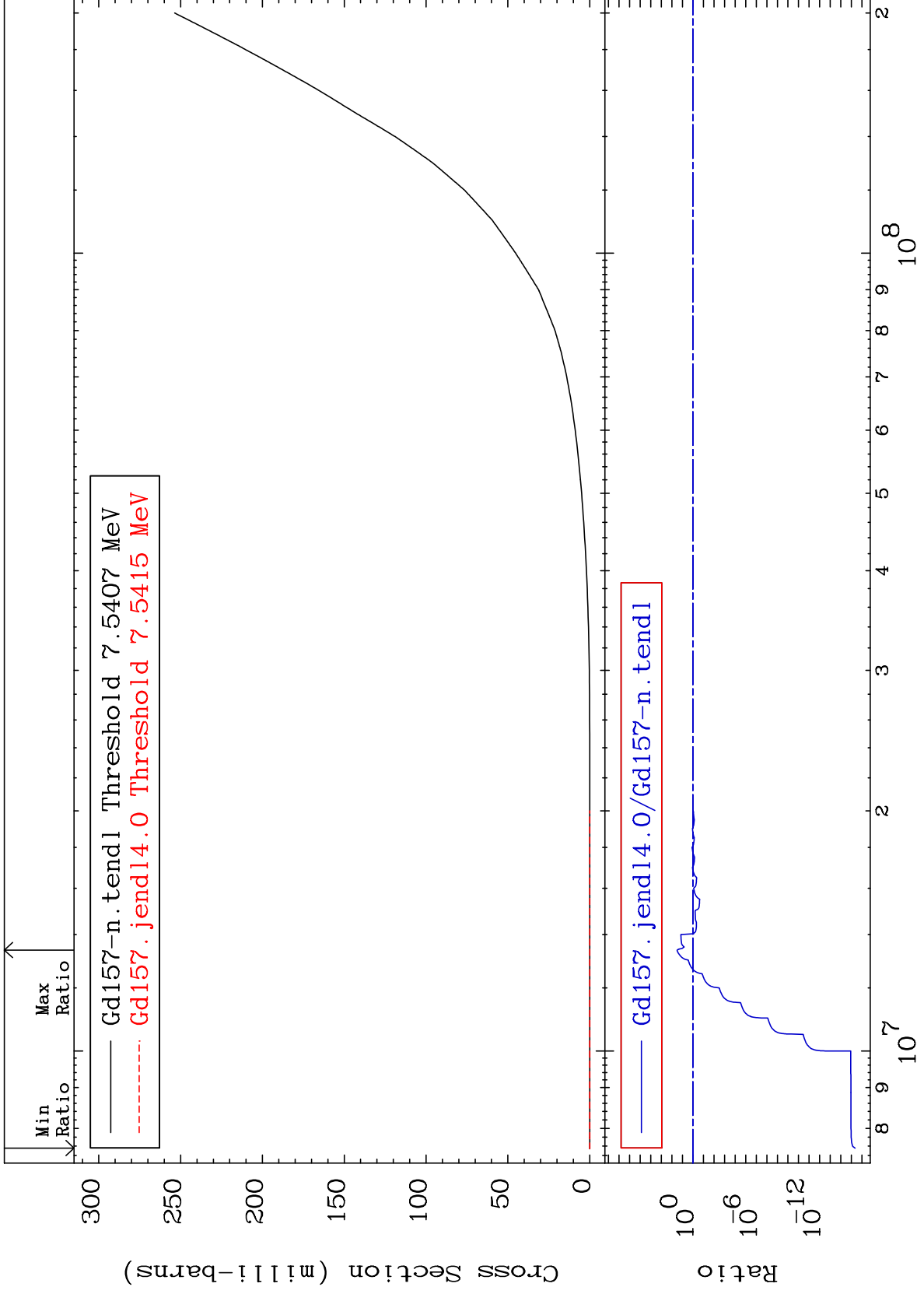
64-Gd-157  
-100.0 To 9951. %



MAT 6440

He-3 Production  
Cross Section

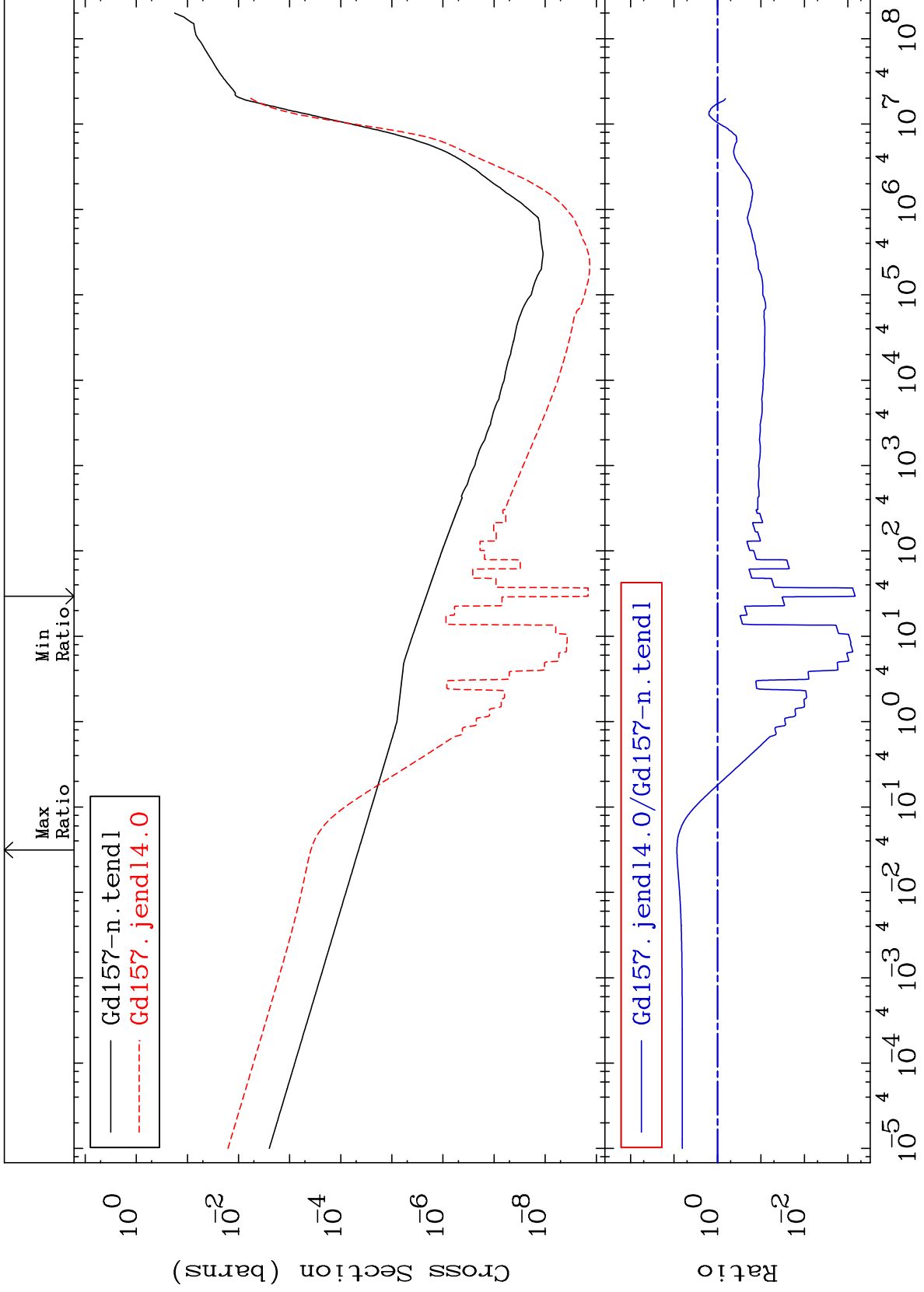
64-Gd-157  
-100.0 To 3200. %



MAT 6440

He-4 Production  
Cross Section

64-Gd-157  
-99.93 To 756.6 %



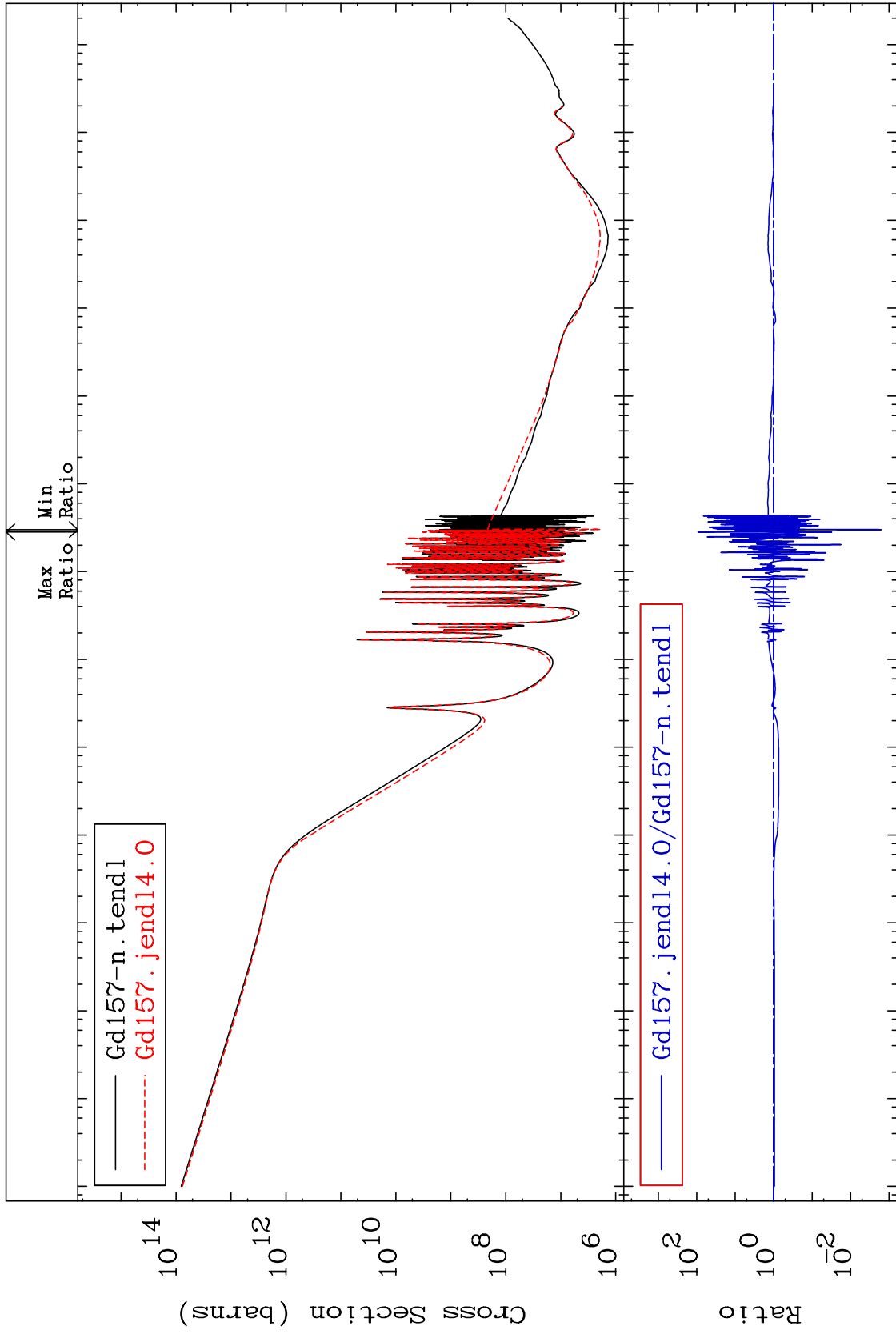
MAT 6440

Kerma total (eV-barns)

64-Gd-157

-99.84 To 9237. %

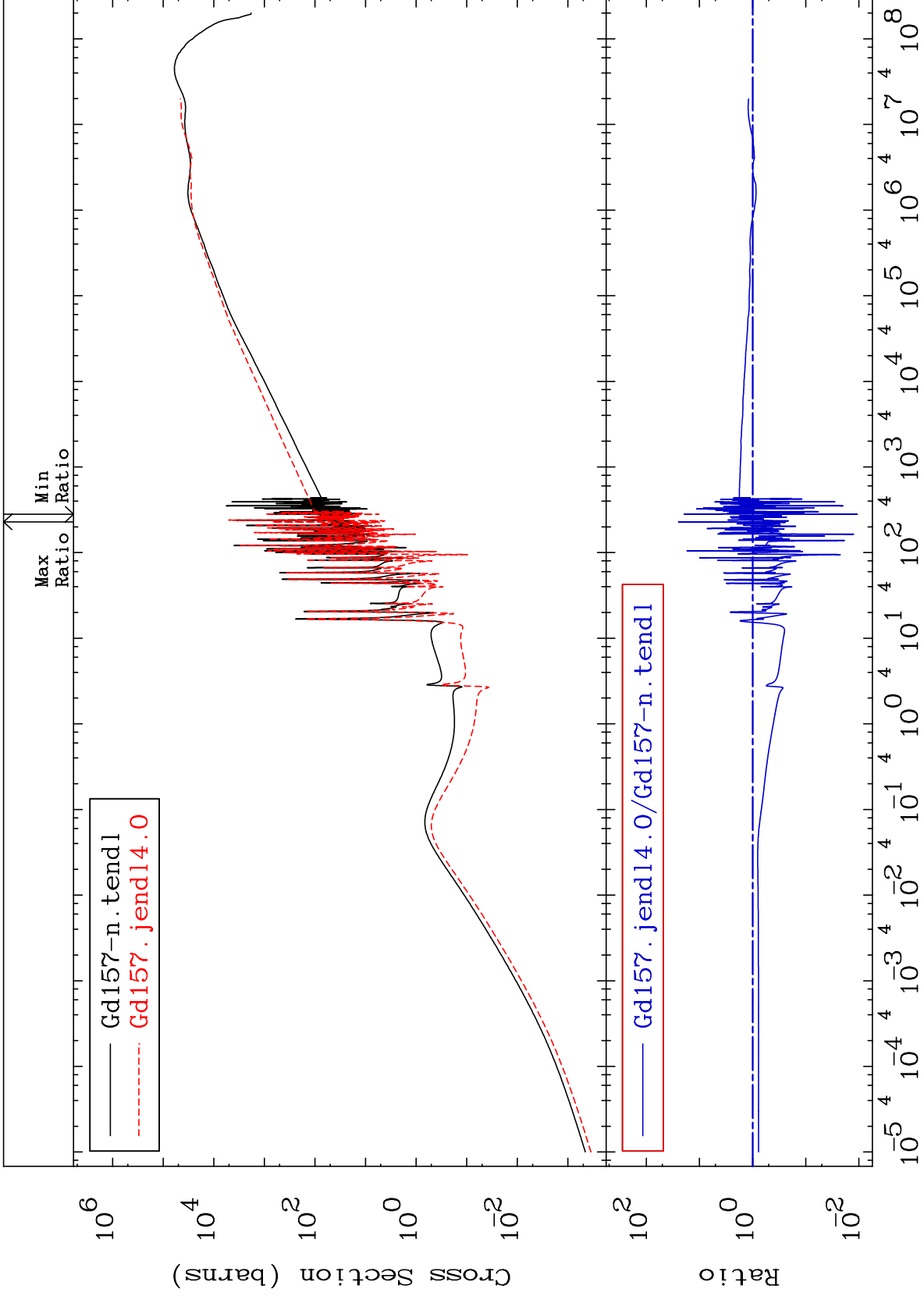
Cross Section

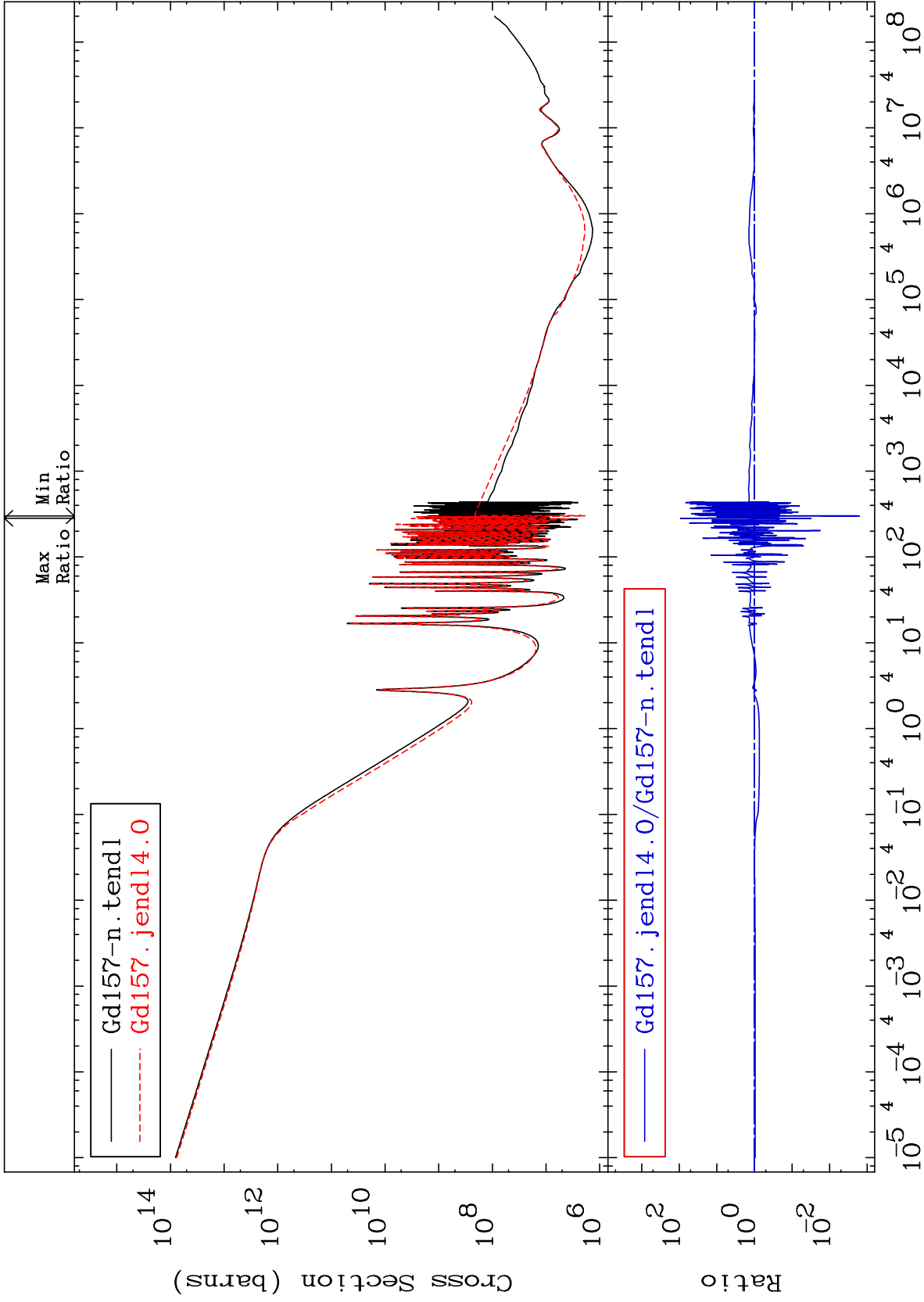


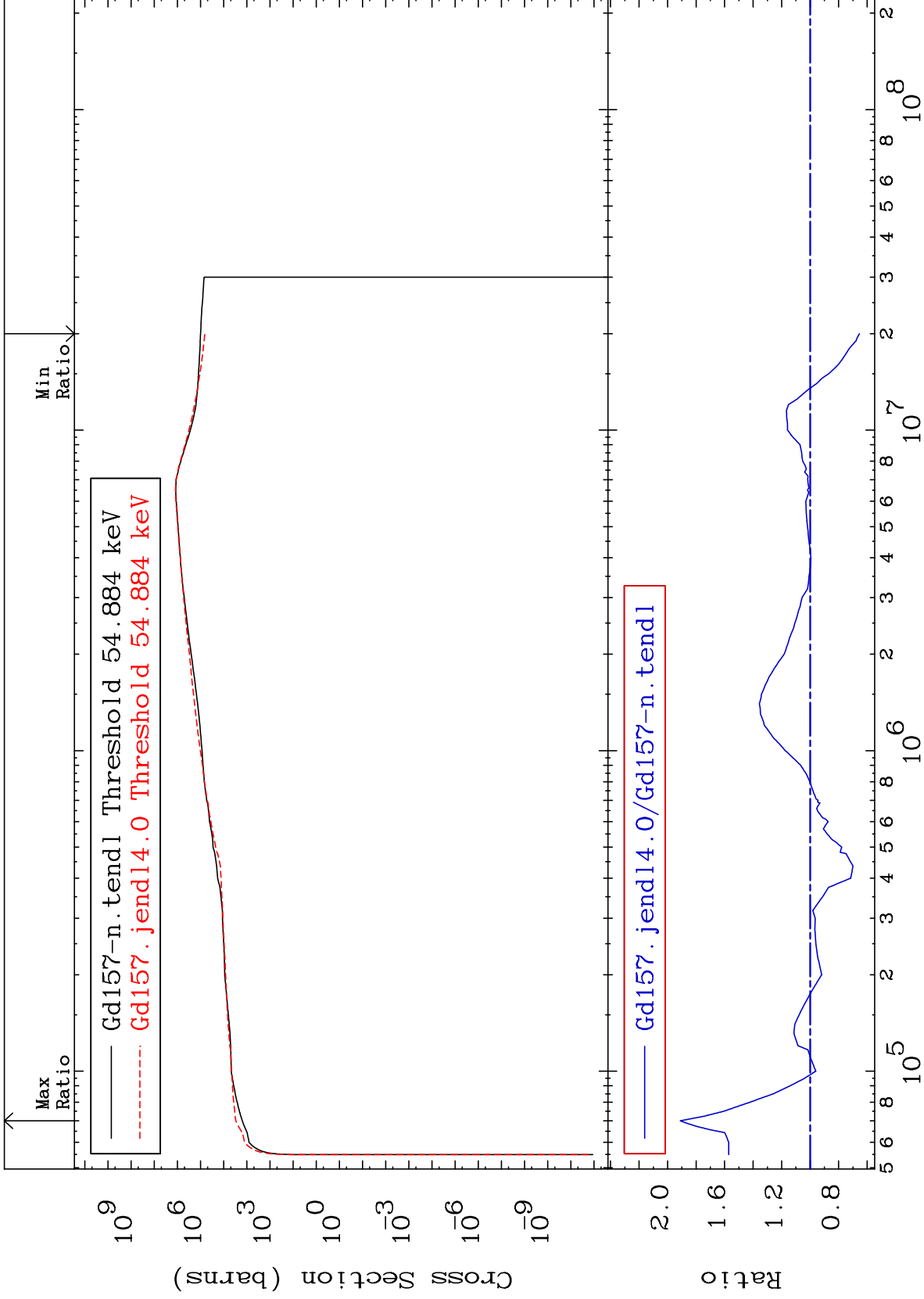
MAT 6440

Kerma elastic  
Cross Section

64-Gd-157  
-98.92 To 2387. %





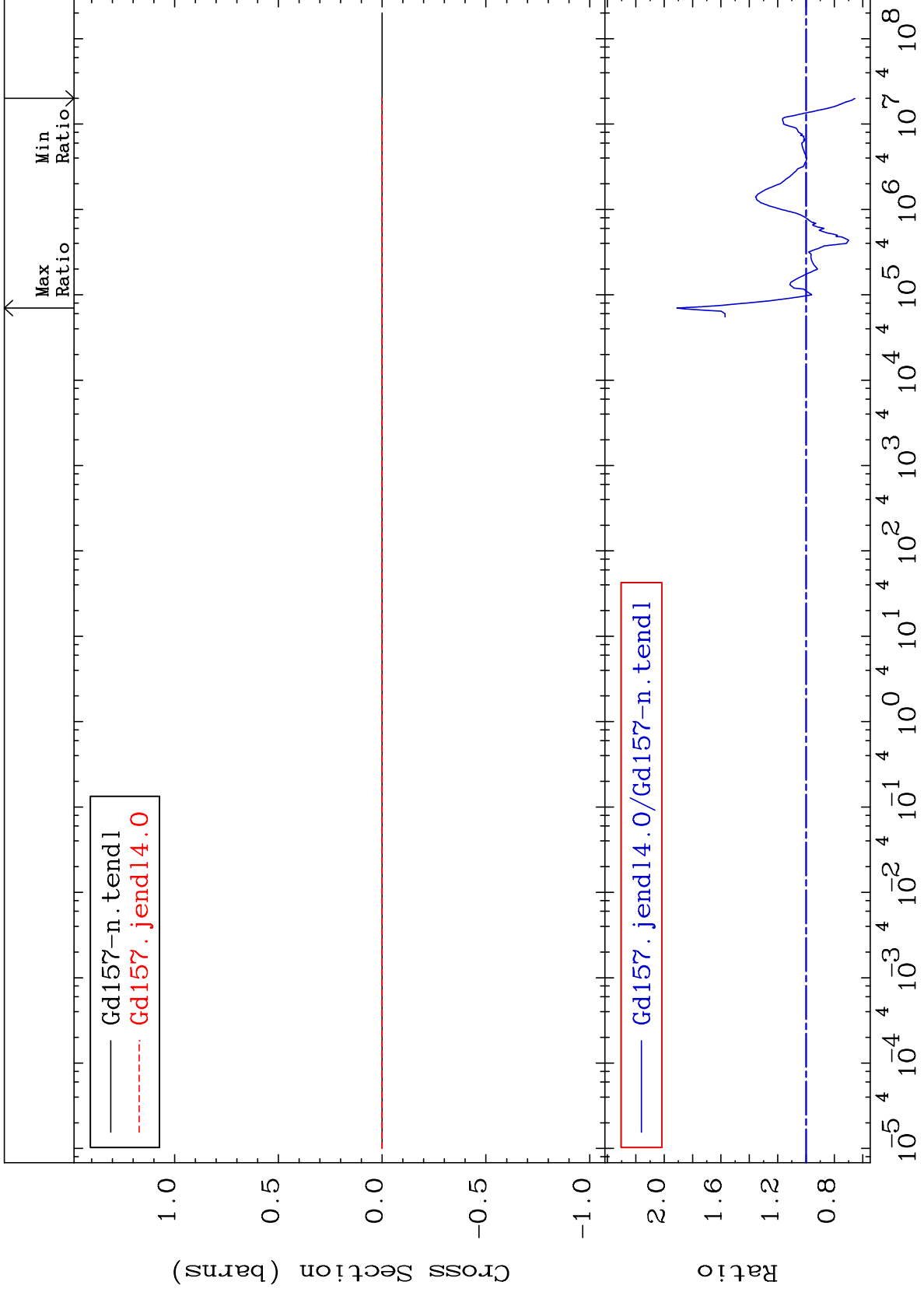




MAT 6440

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

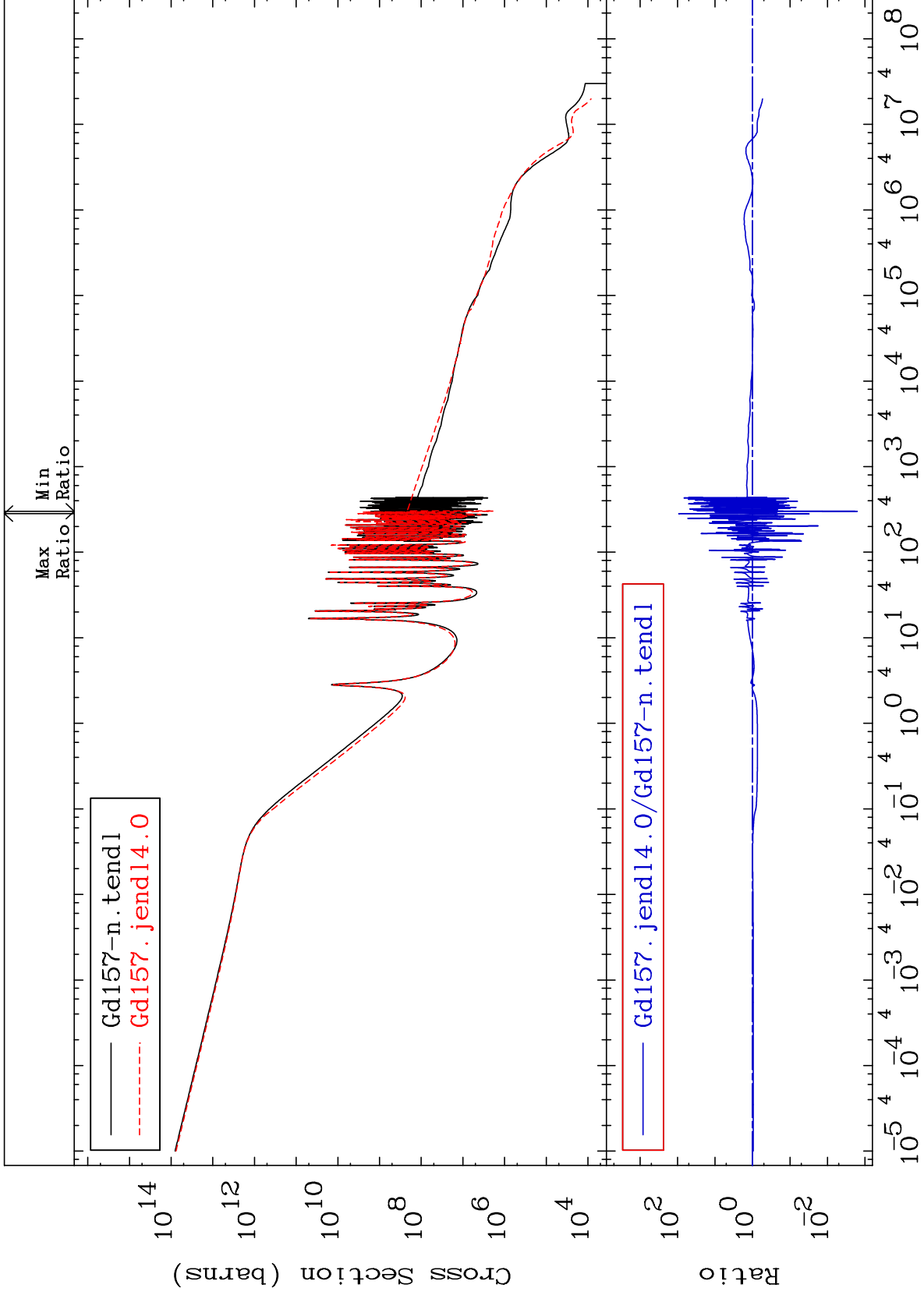
64-Gd-157  
-34.57 To 91.04 %



57

Incident Energy (eV)

64-Gd-157

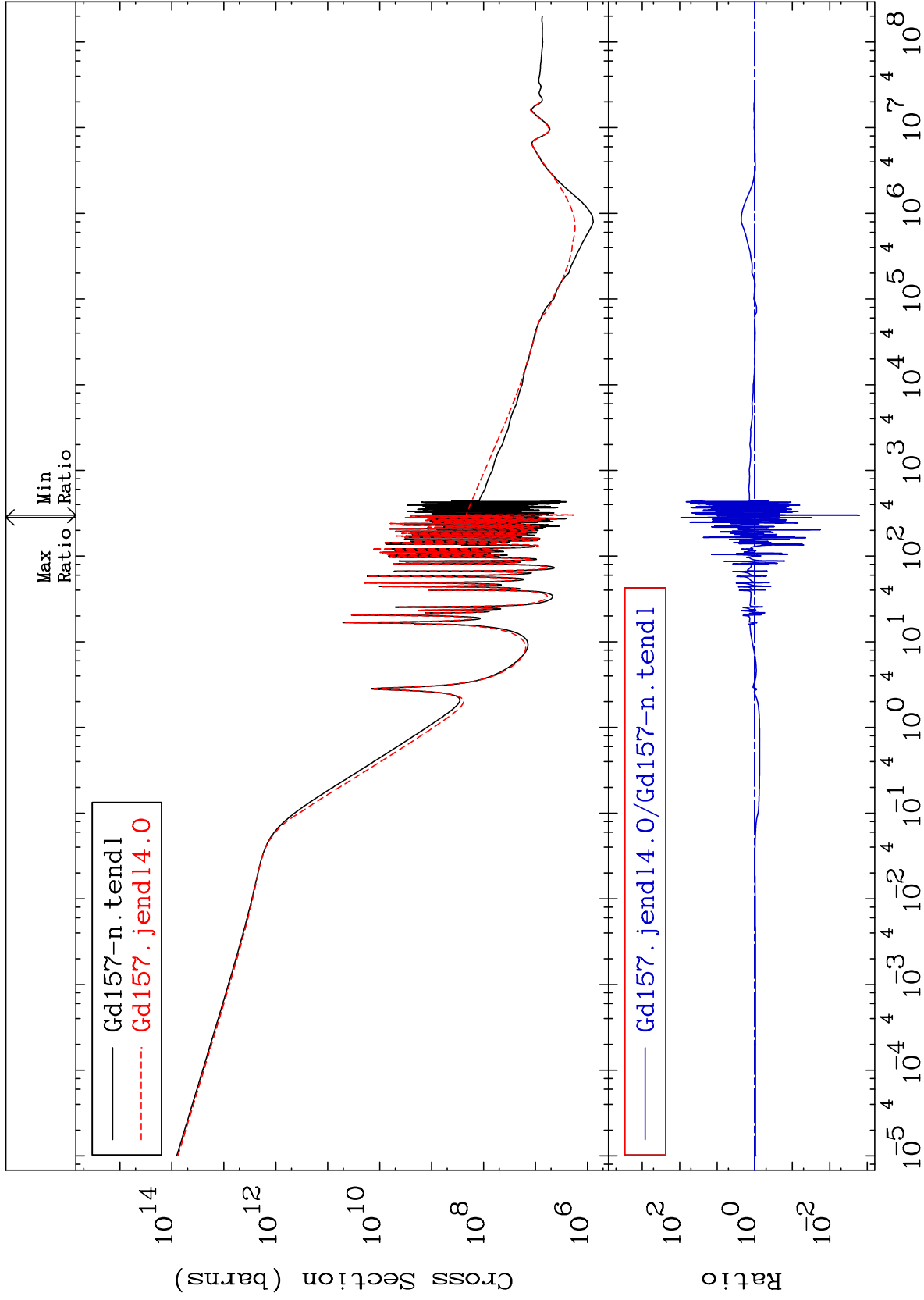


MAT 6440

Total photon (eV-barns)  
Cross Section

64-Gd-157

-99.84 To 9237. %



59

Incident Energy (eV)

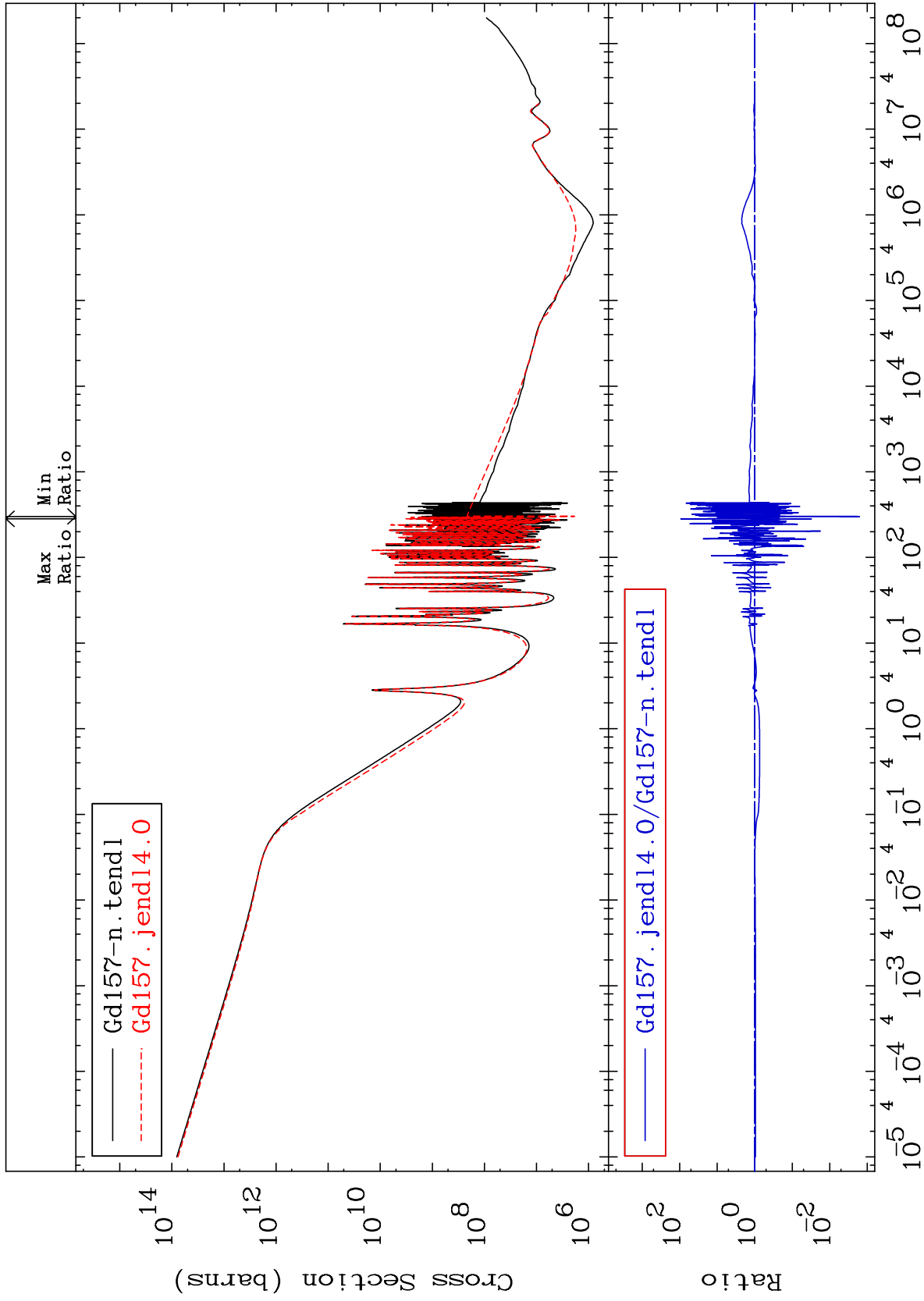
64-Gd-157

MAT 6440

Total kinematic kerma (high limit)  
Cross Section

64-Gd-157

-99.84 To 9237. %



Incident Energy (eV)

64-Gd-157

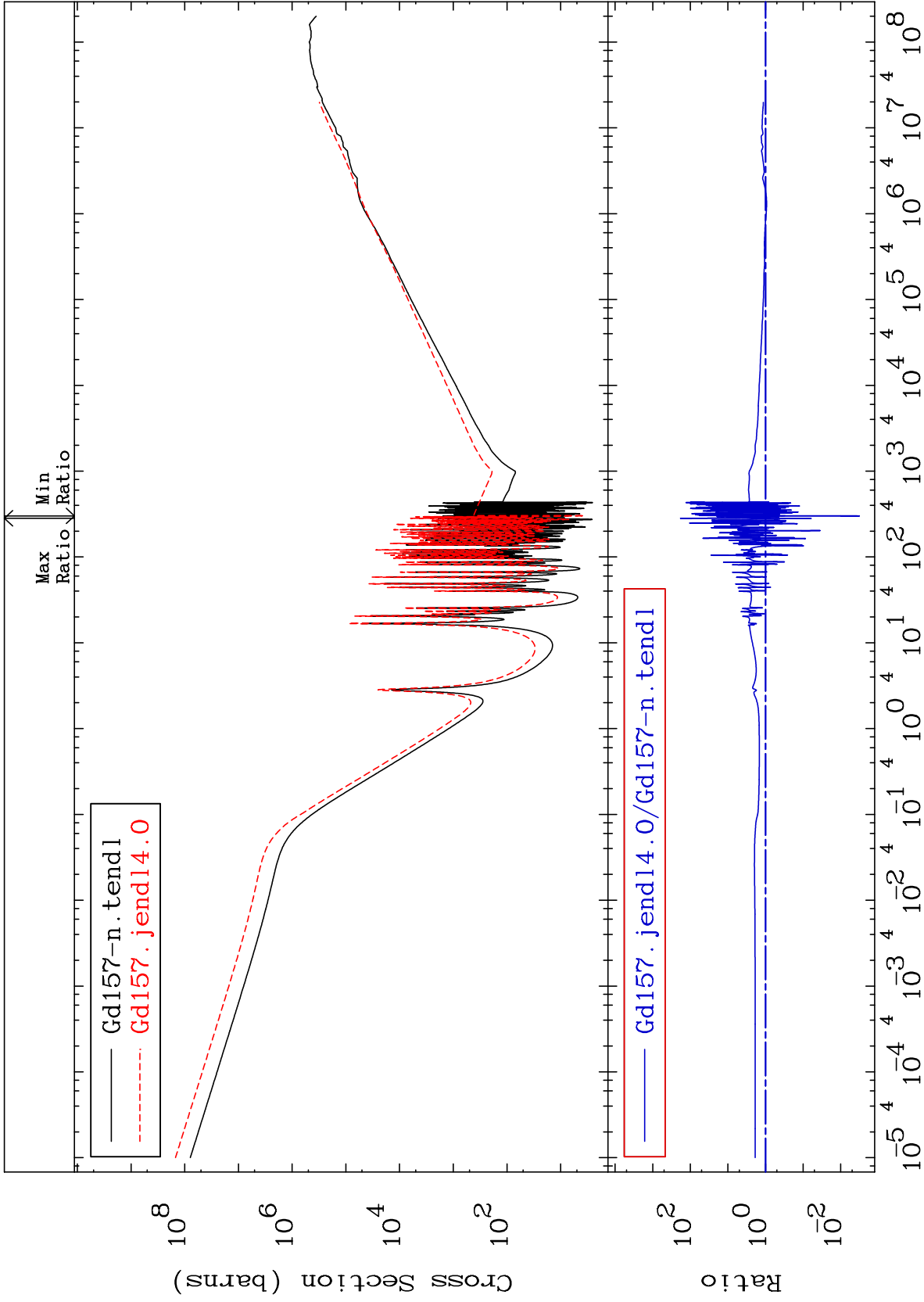
60

MAT 6440

Dpa total (eV-barns)

64-Gd-157

-99.68 To 9999. %



61

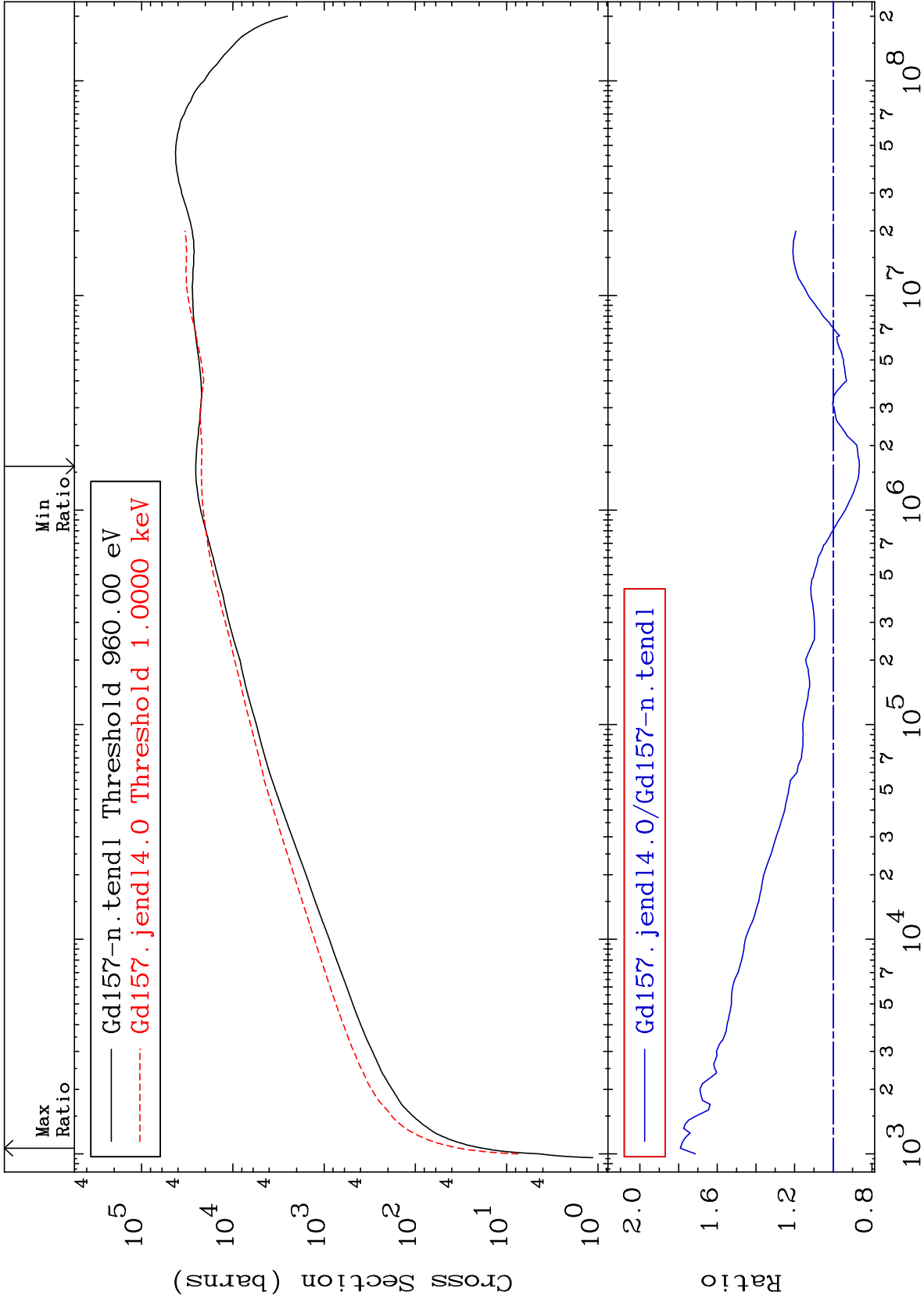
Incident Energy (eV)

64-Gd-157

MAT 6440

Dpa elastic (mt2)  
Cross Section

64-Gd-157  
-13.52 To 79.08 %



62

Incident Energy (eV)

64-Gd-157

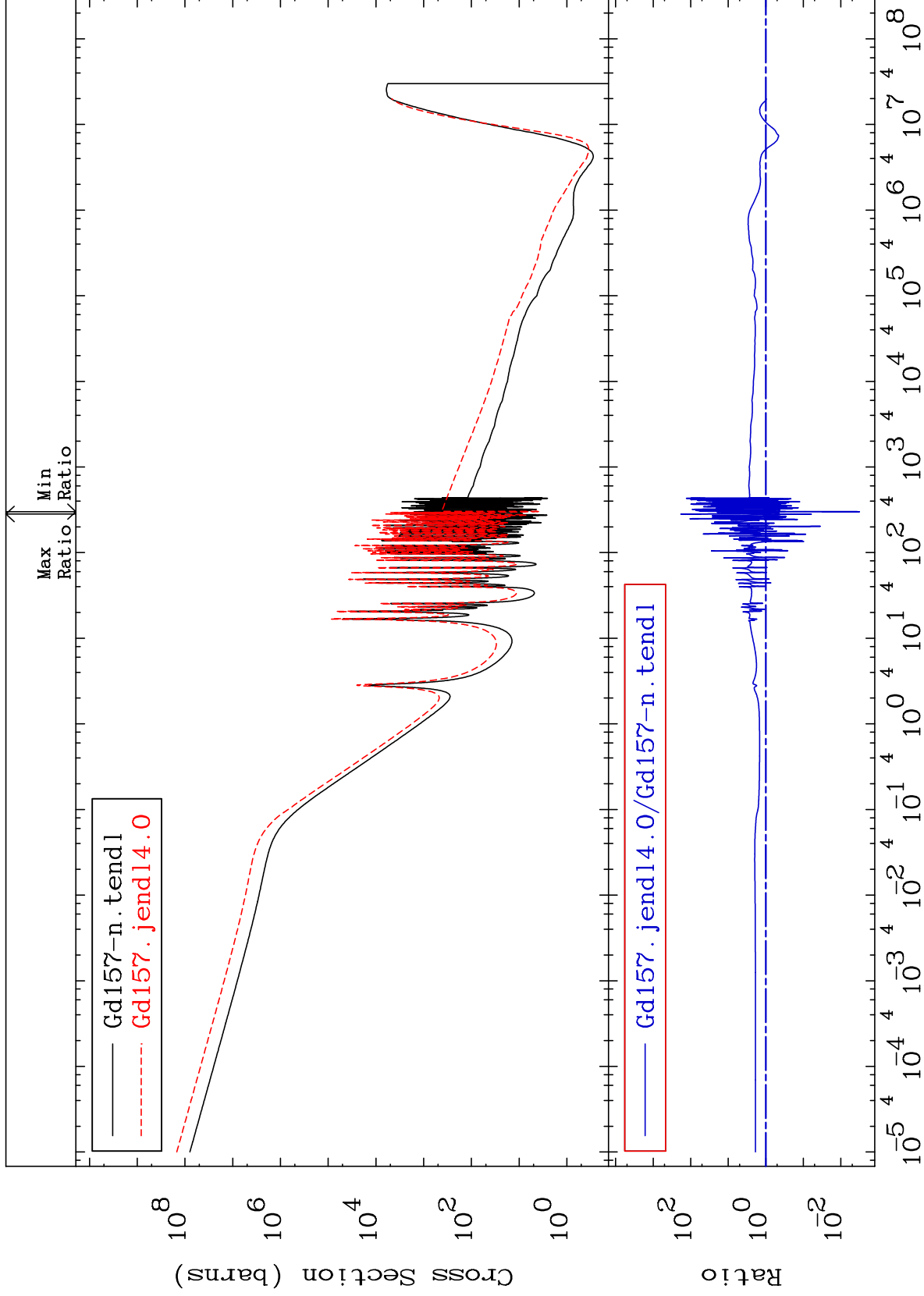


MAT 6440

Dpa disappearance (mt102 -120)

64-Gd-157

-99.68 To 9999. %



64

Incident Energy (eV)

64-Gd-157