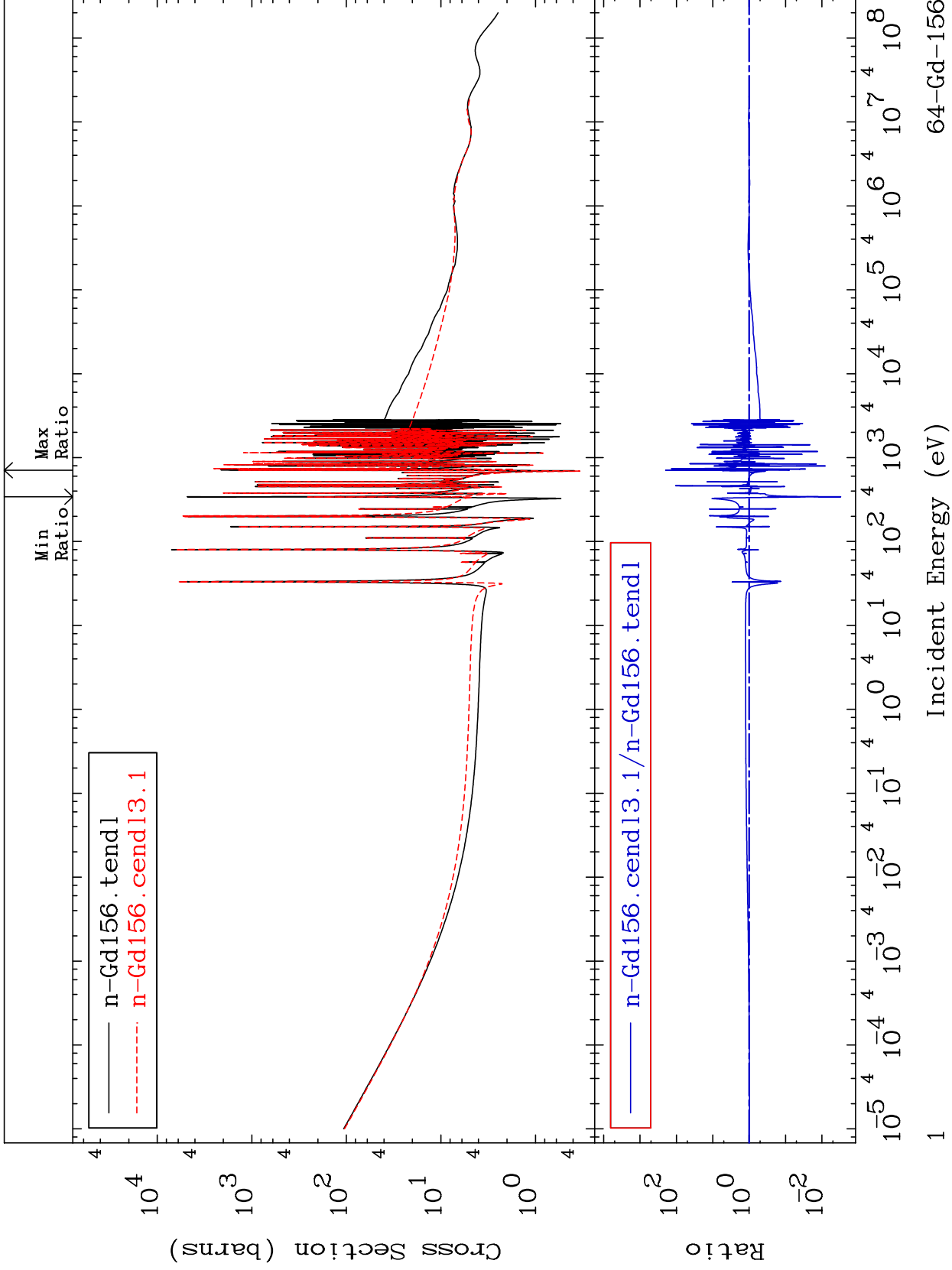


MAT 6437

64-Gd-156

-99.70 To 9999. %

Total  
Cross Section

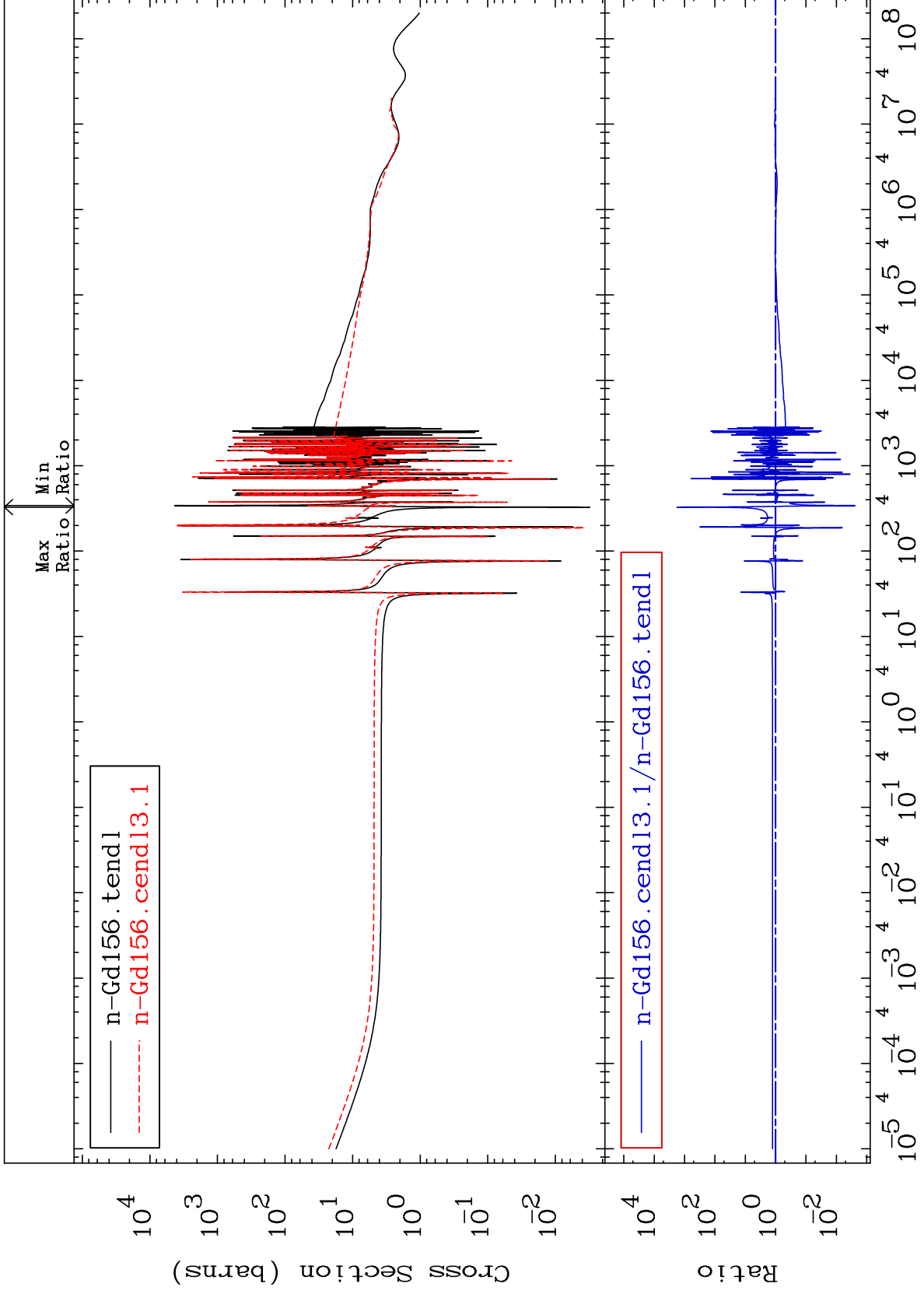


64-Gd-156

MAT 6437

Elastic  
Cross Section

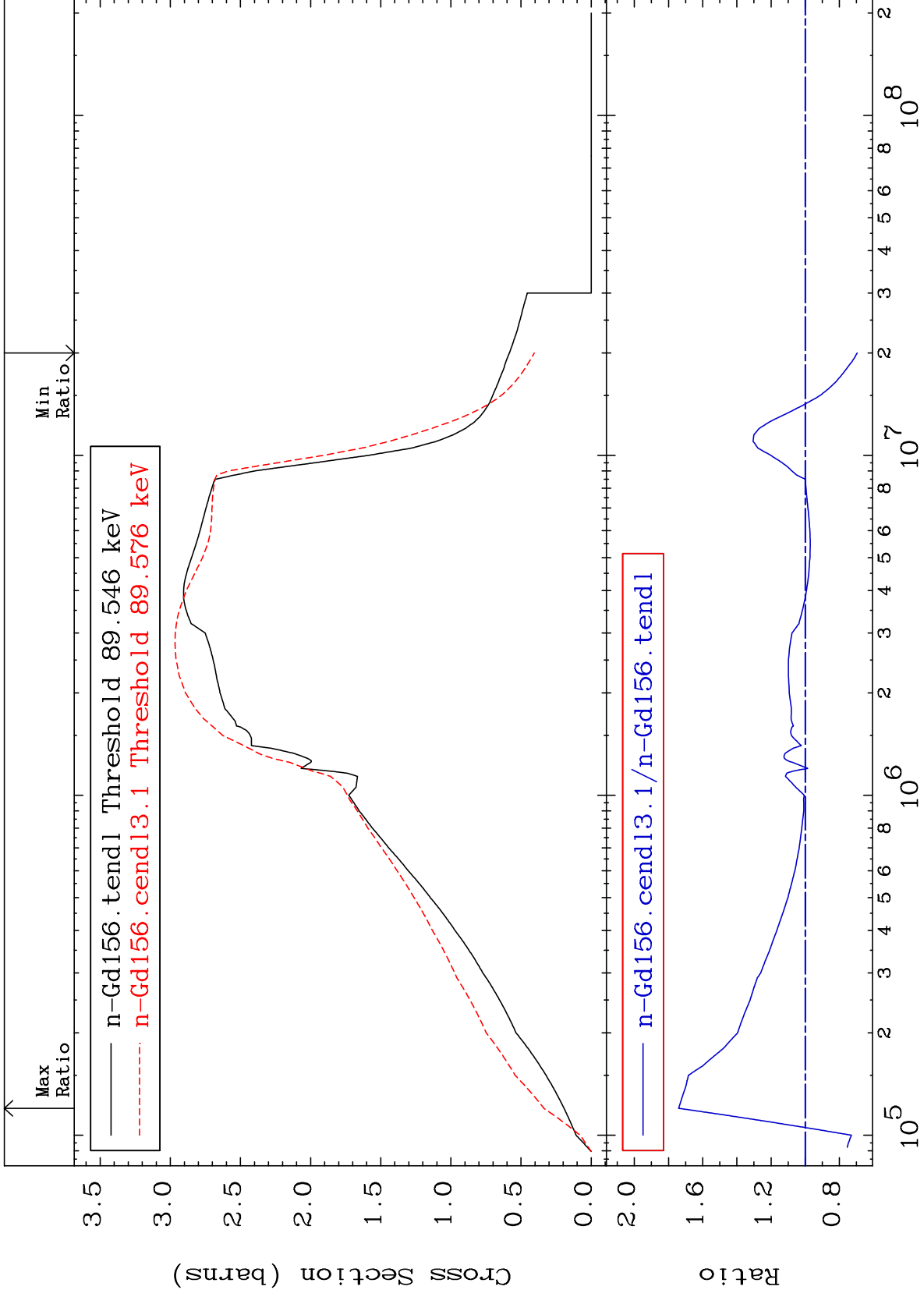
64-Gd-156  
-99.76 To 9999. %



MAT 6437

Inelastic  
Cross Section

64-Gd-156  
-30.44 To 74.08 %



3

Incident Energy (eV)

64-Gd-156

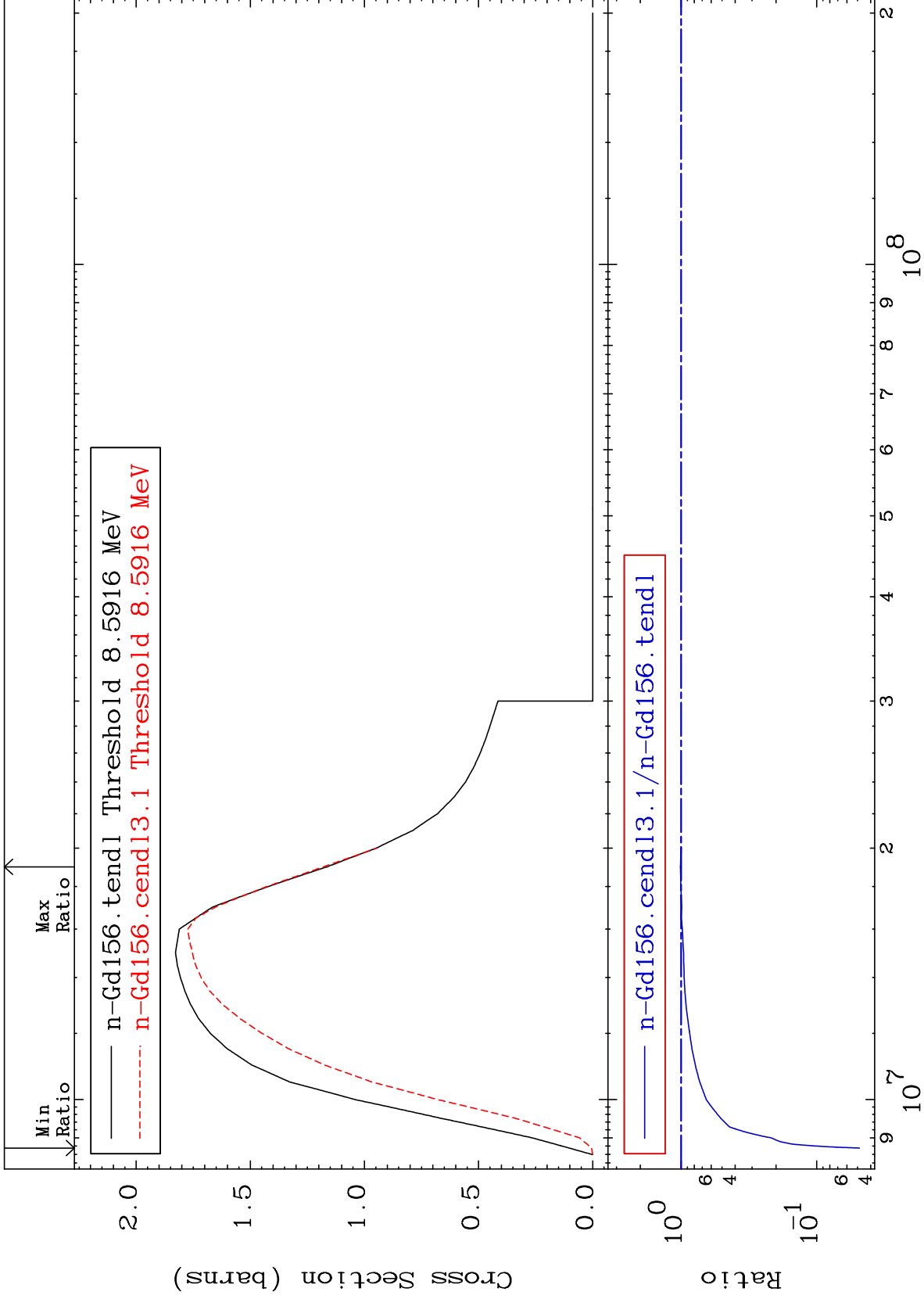
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-95.16 To 1.303 %



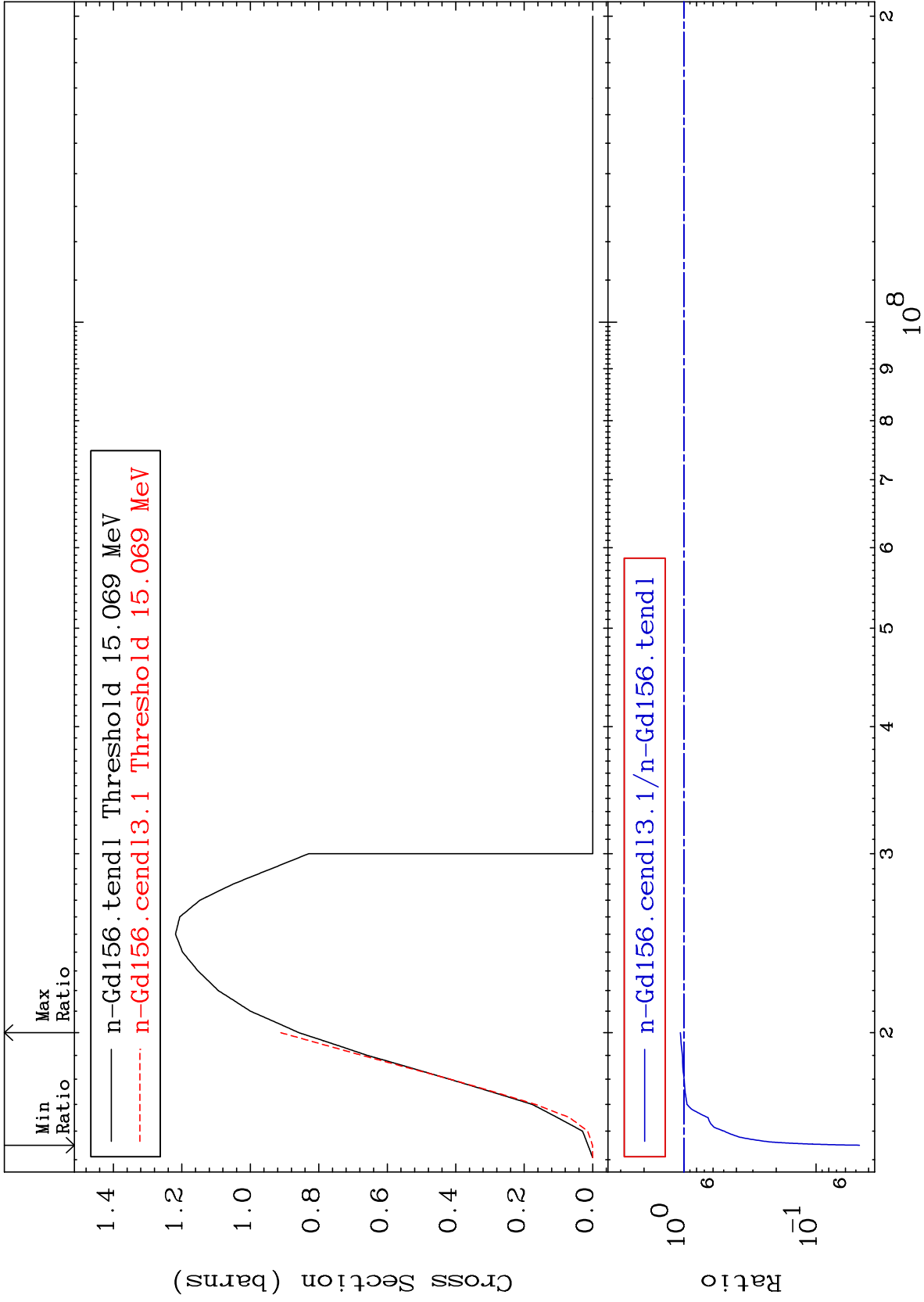
4

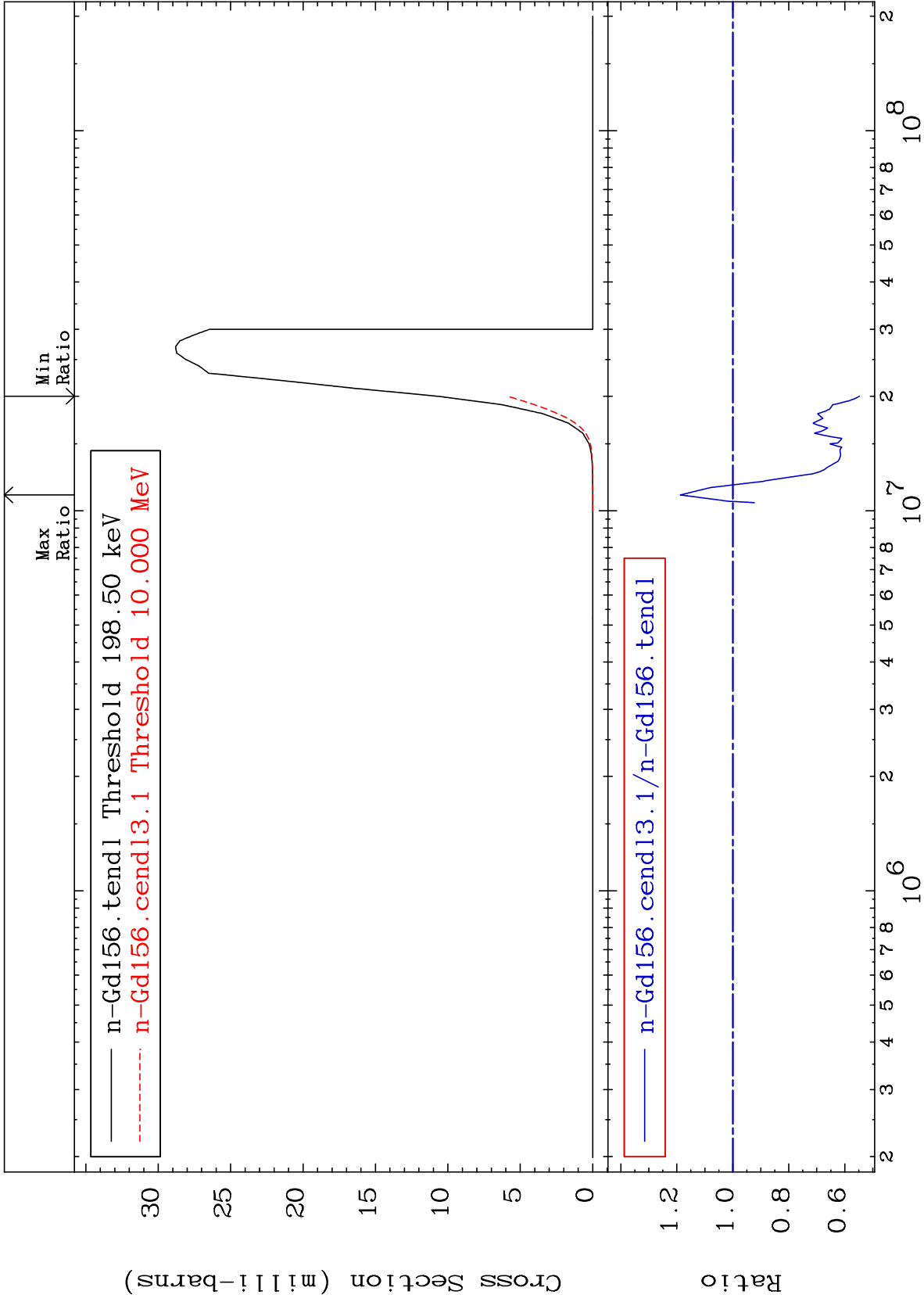
Incident Energy (eV)

64-Gd-156

Cross Section

-95.30 To 6.180 %

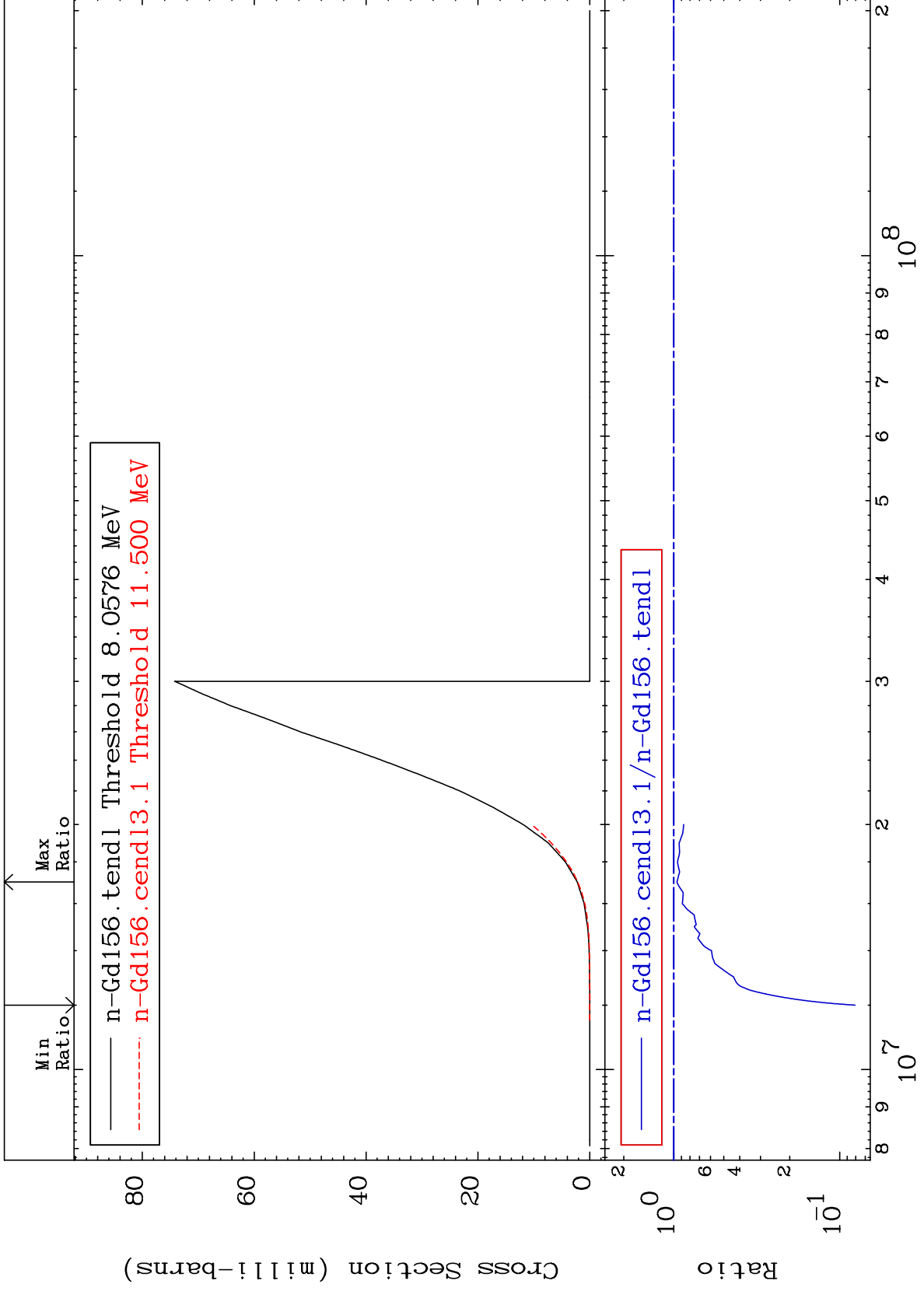




MAT 6437

(n,n') p  
Cross Section

64-Gd-156  
-91.93 To -4.260%



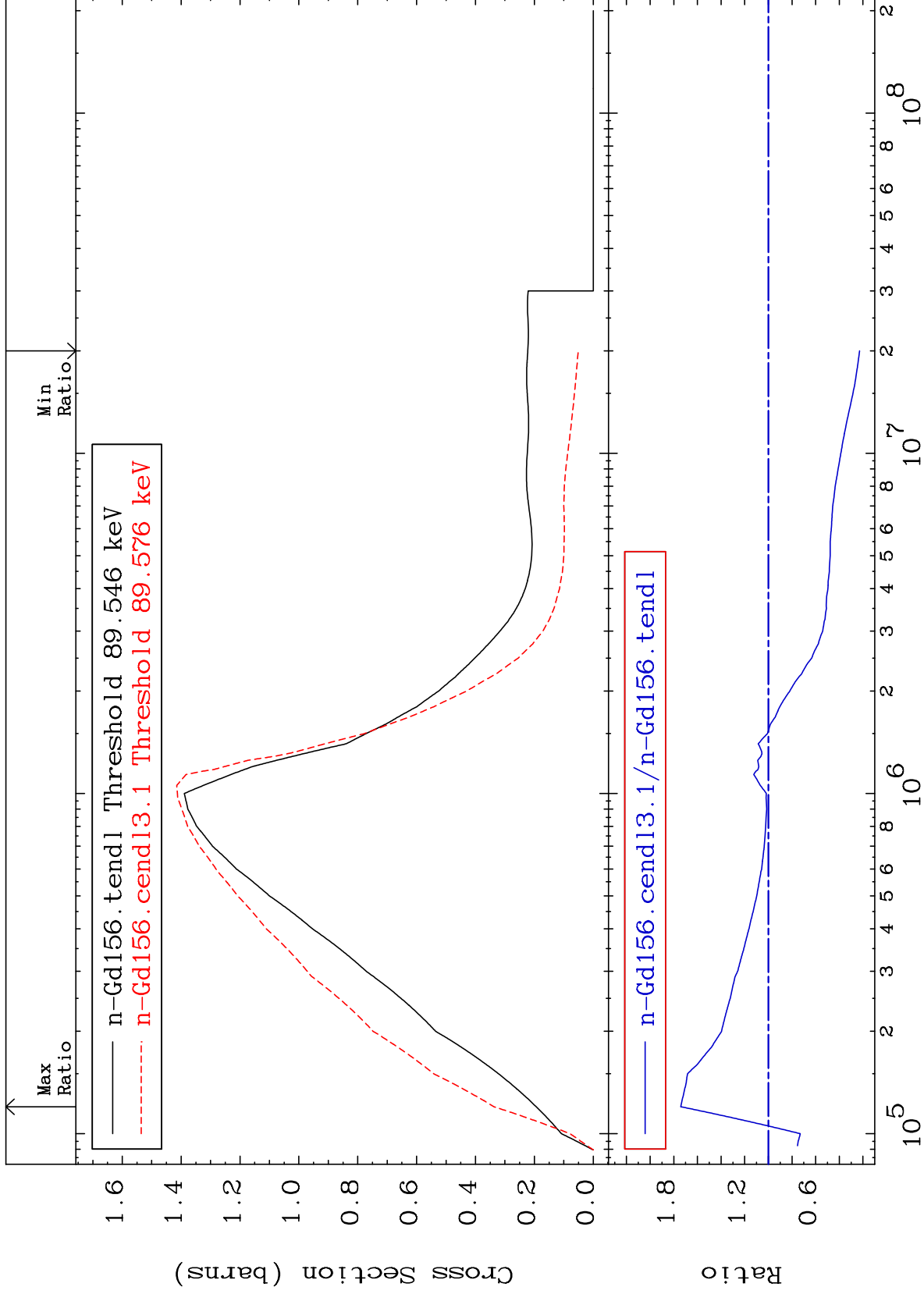
64-Gd-156

7

MAT 6437

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

64-Gd-156  
-77.12 To 74.08 %



8

64-Gd-156

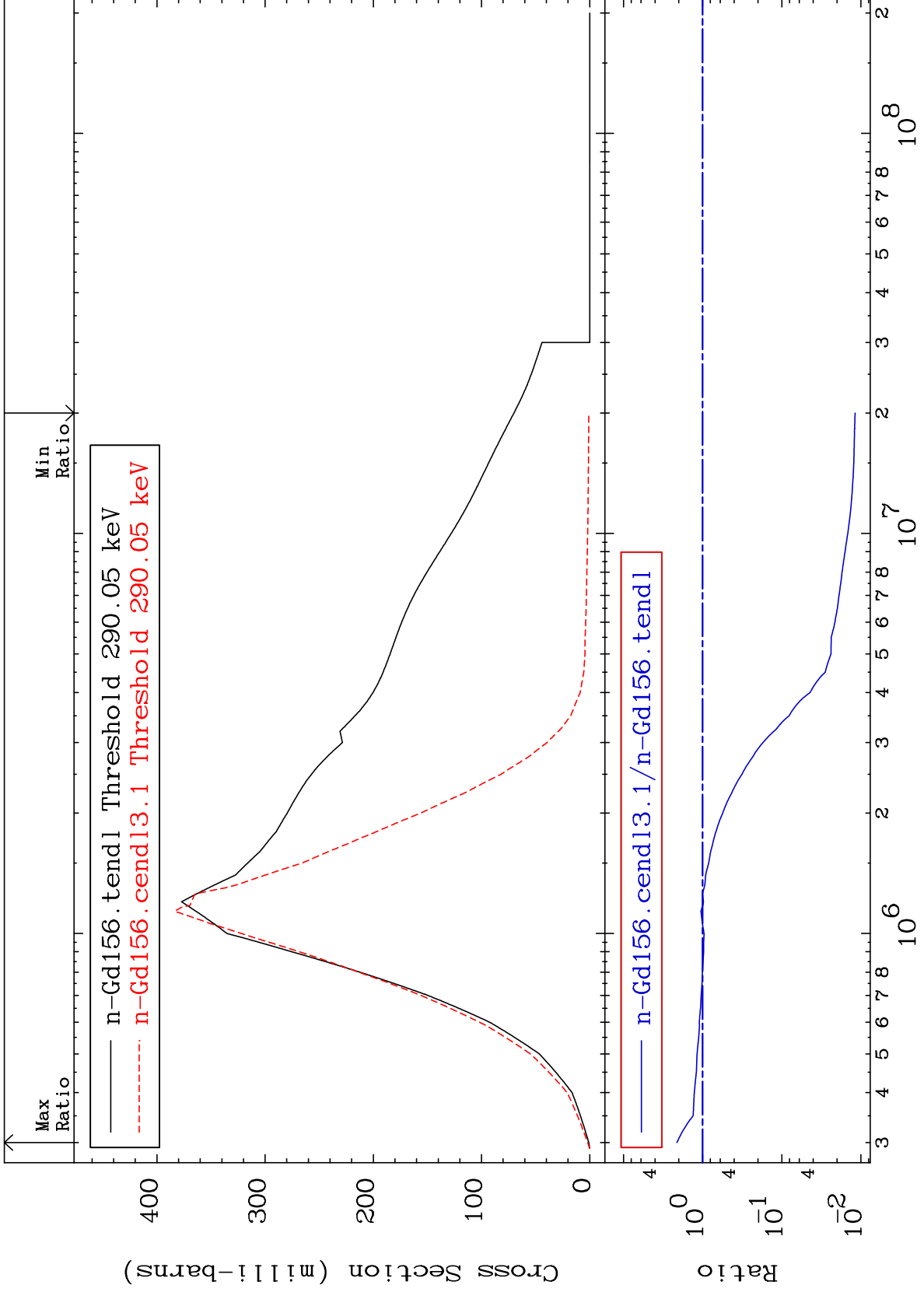
64-Gd-156



MAT 6437

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

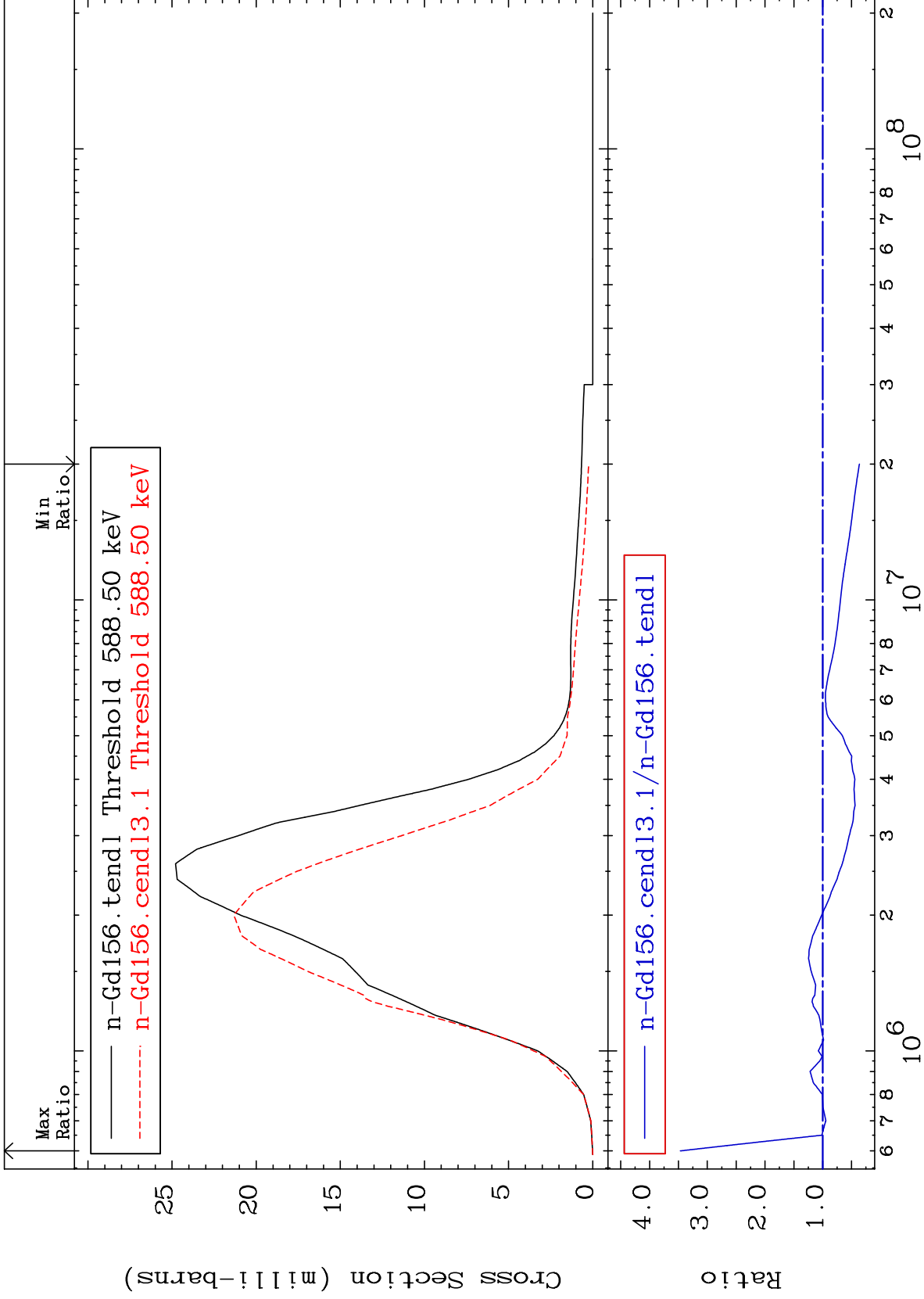
64-Gd-156  
-98.82 To 111.4 %



MAT 6437

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

64-Gd-156  
-63.64 To 246.7 %



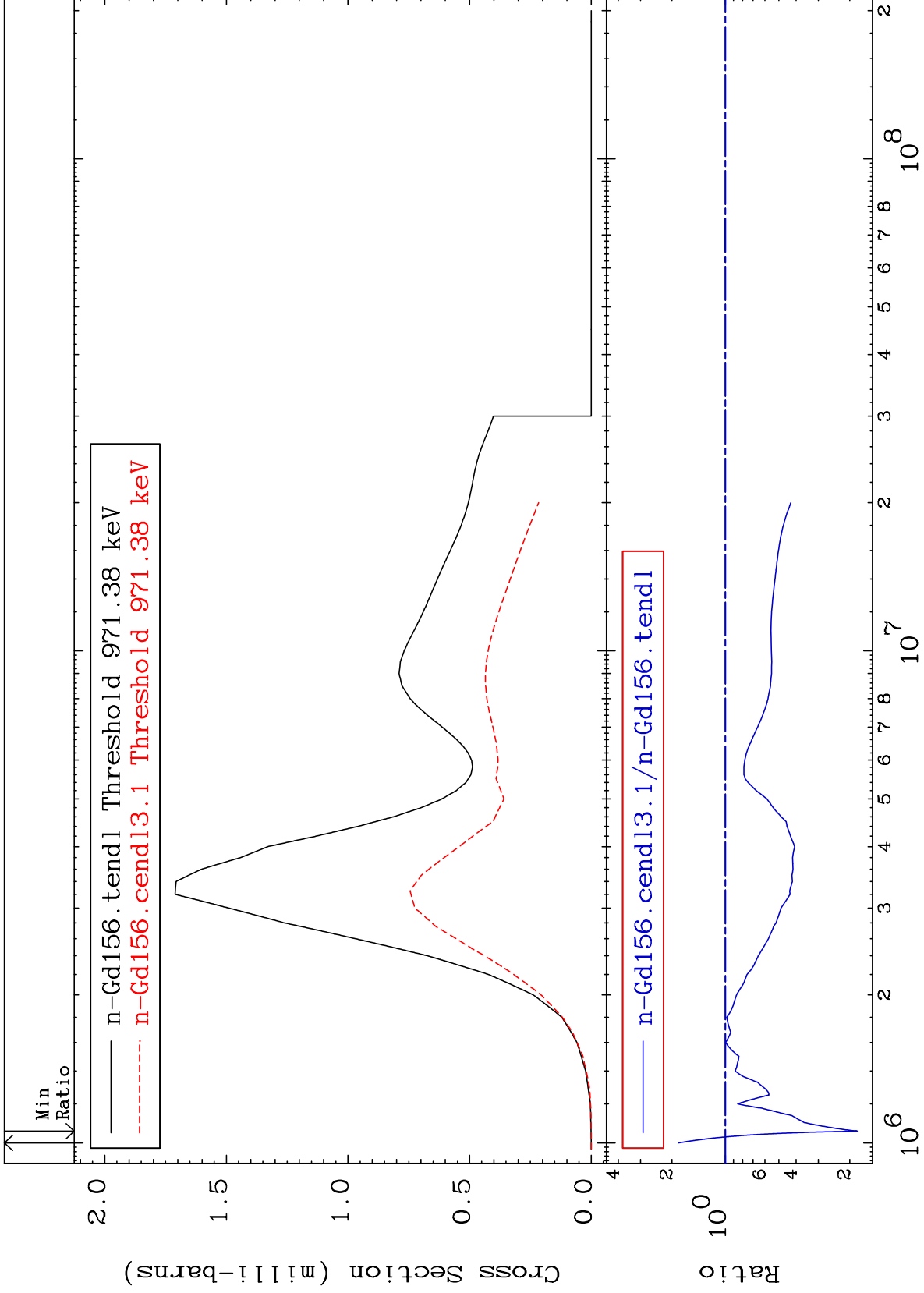
10

64-Gd-156

MAT 6437

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

64-Gd-156  
-81.87 To 83.28 %



11

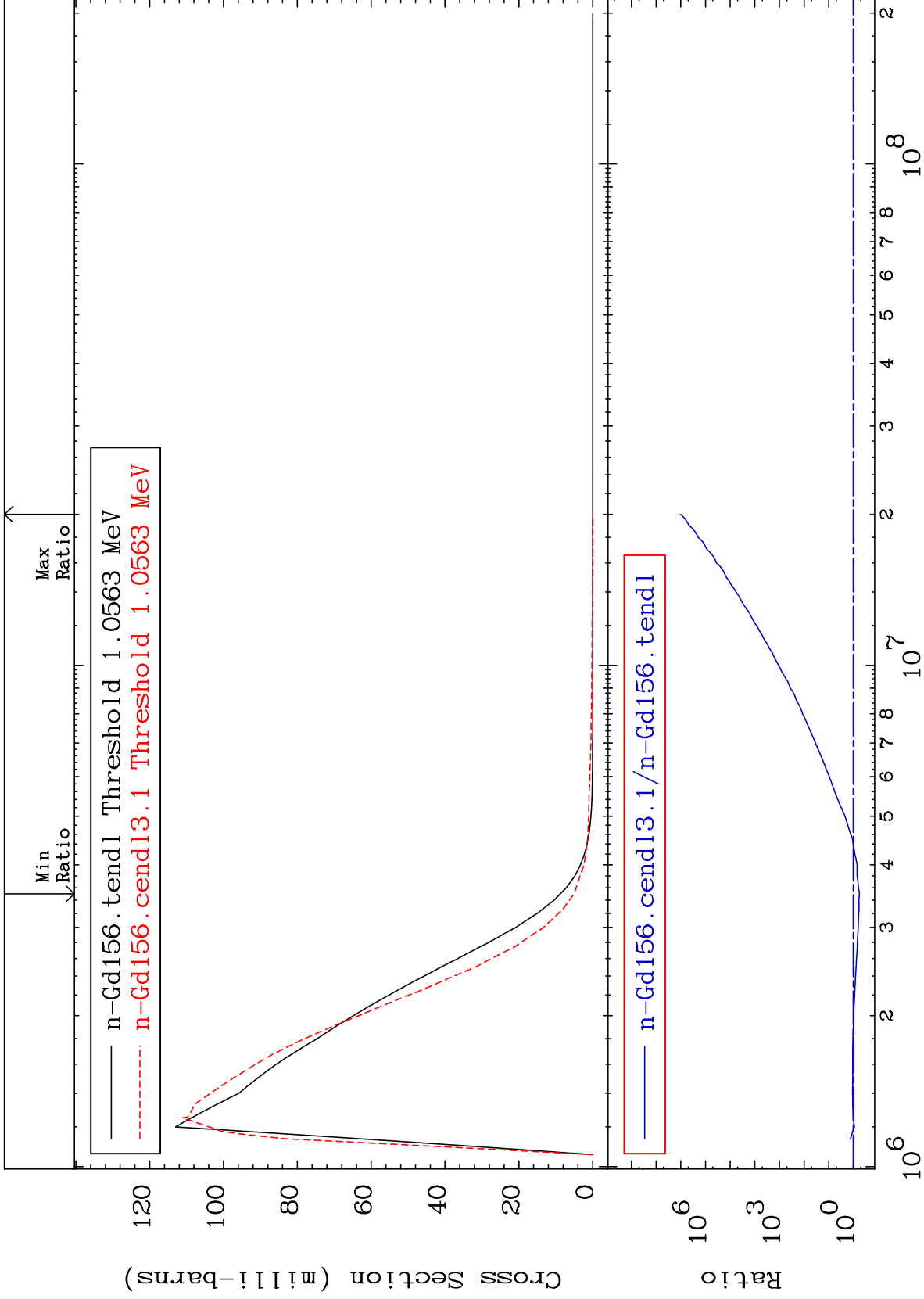
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-42.85 To 9999. %



Incident Energy (eV)

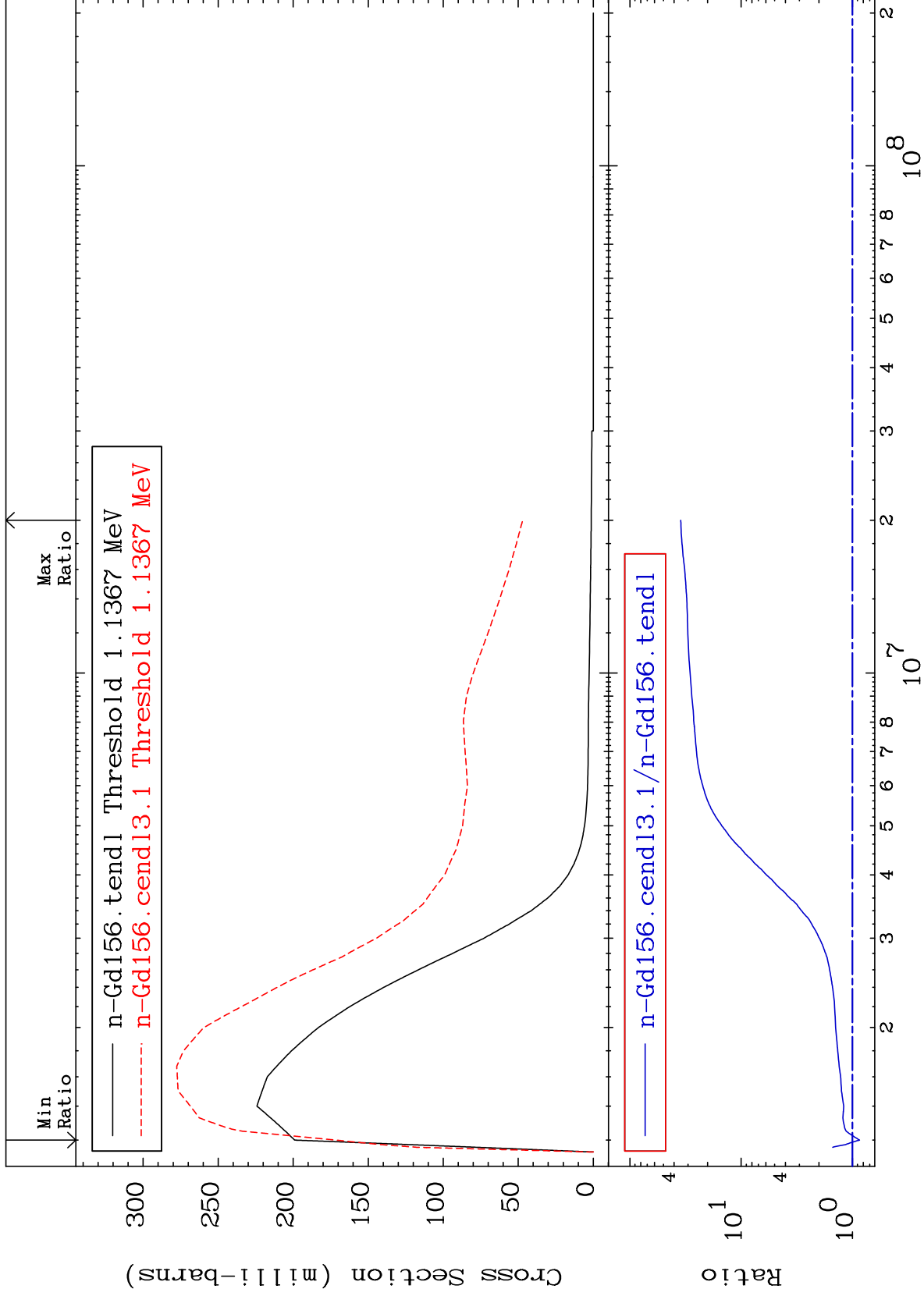
64-Gd-156

12

MAT 6437

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

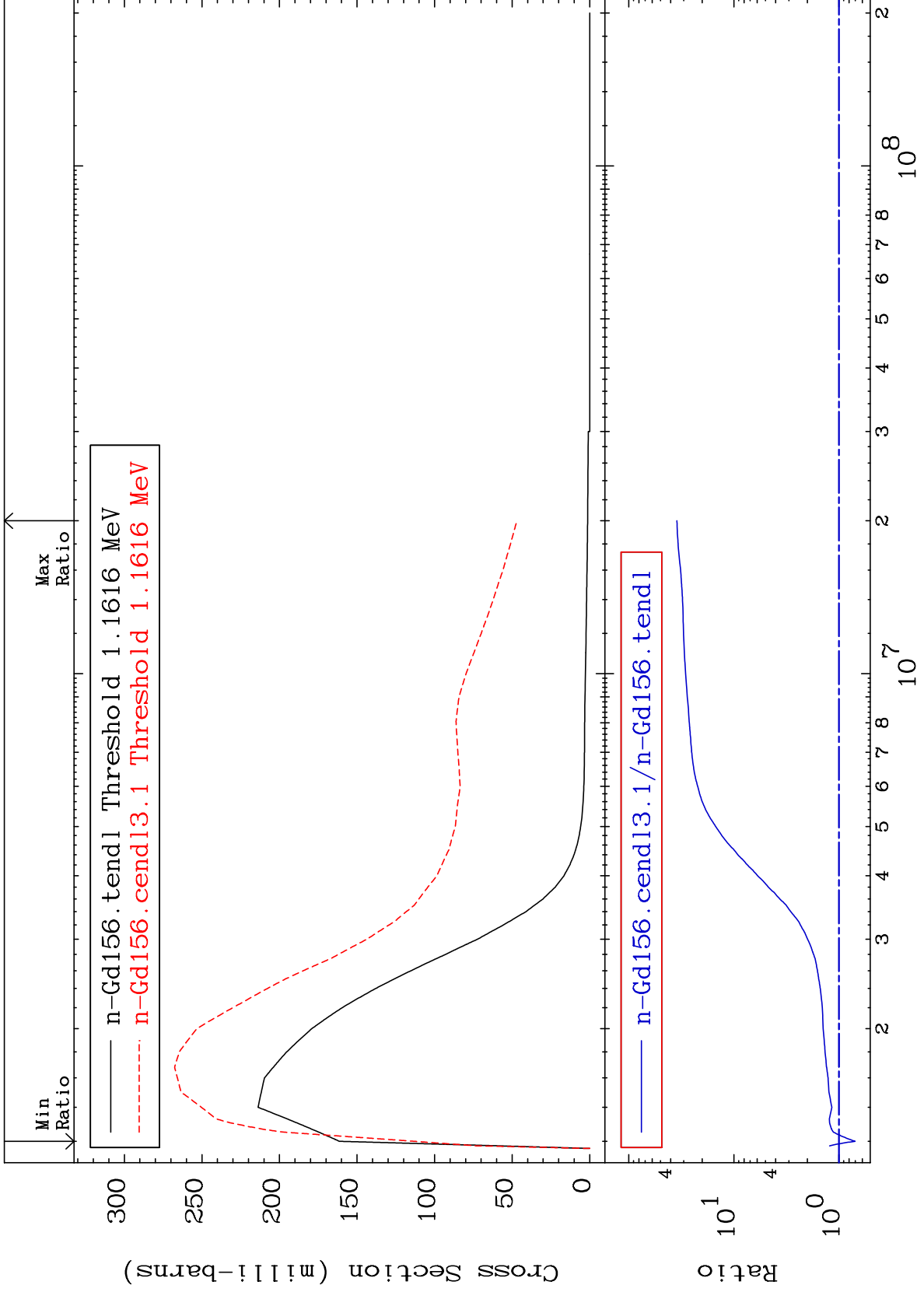
64-Gd-156  
-13.65 To 3389. %



MAT 6437

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

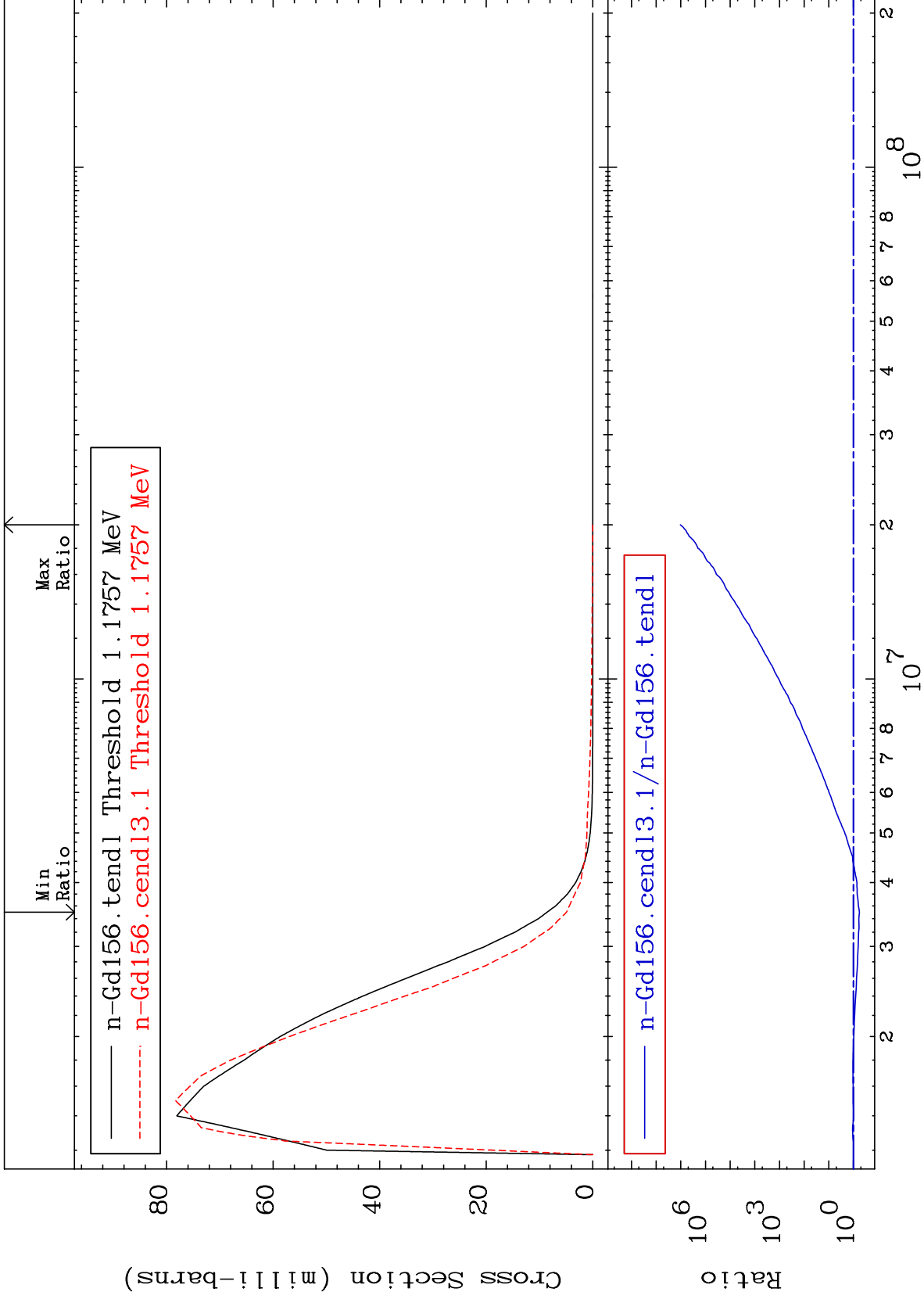
64-Gd-156  
-29.80 To 3384. %



MAT 6437

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

64-Gd-156  
-42.74 To 9999. %



15

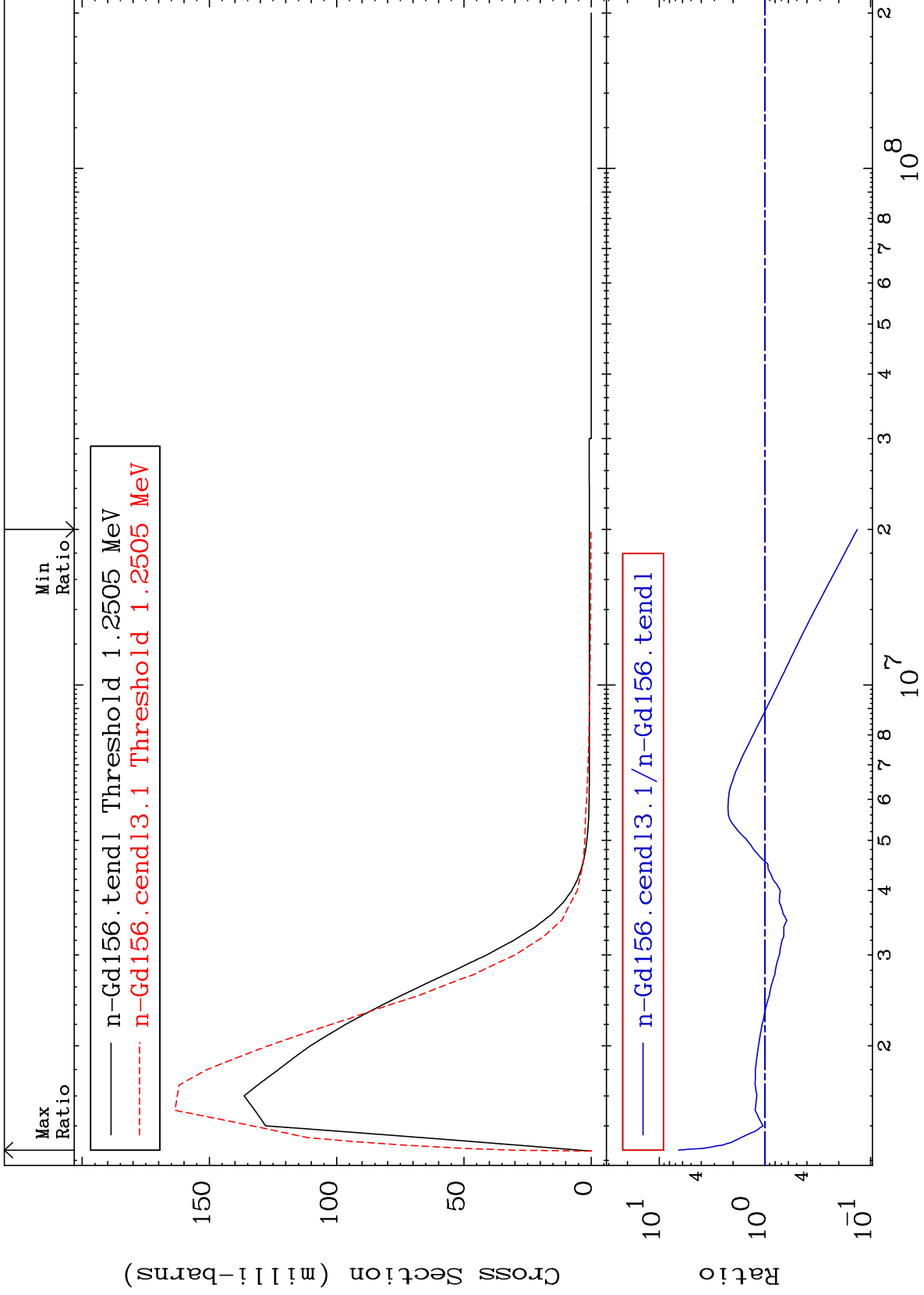
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-86.62 To 554.2 %

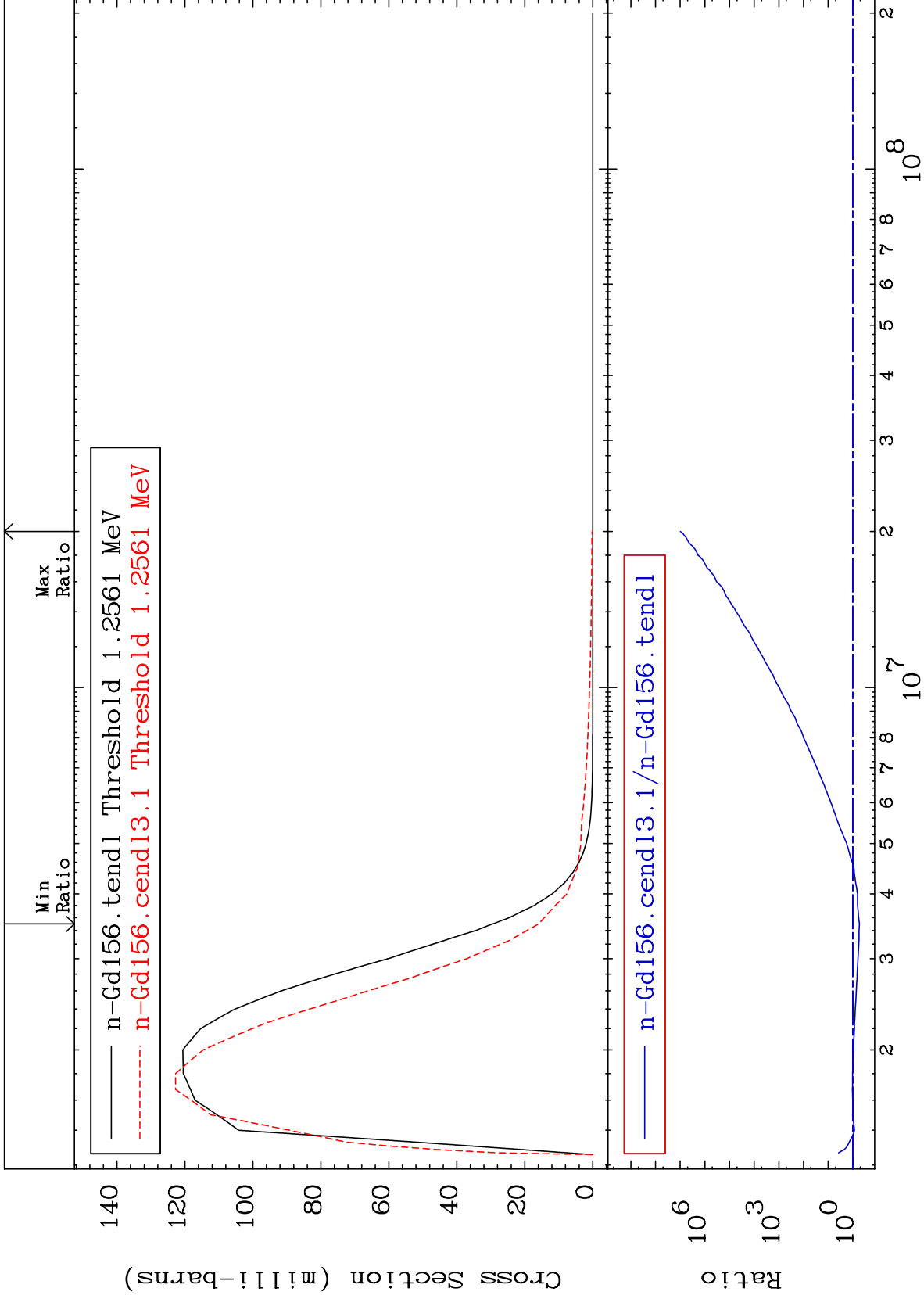




MAT 6437

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

64-Gd-156  
-46.08 To 9999. %



17

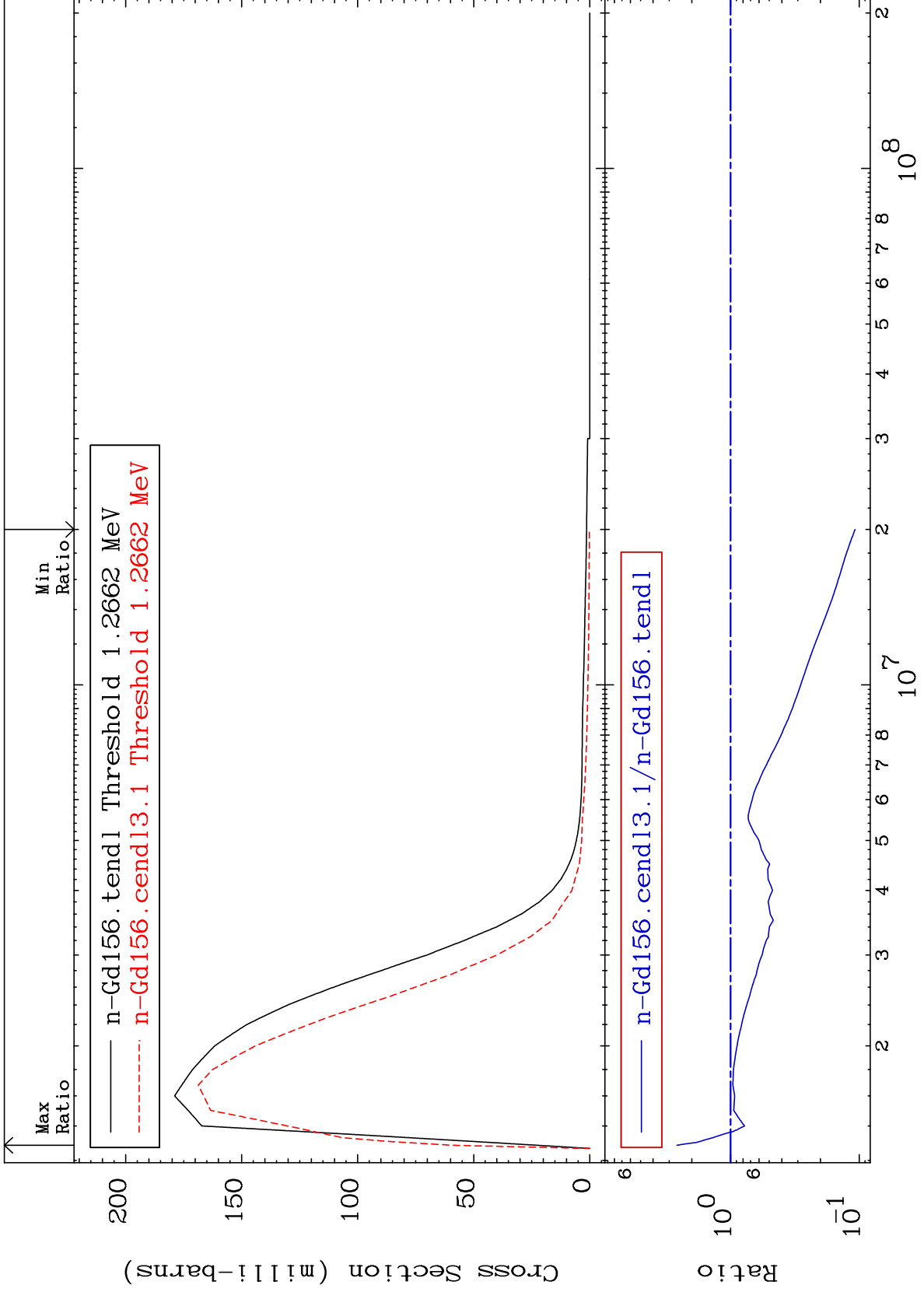
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-89.23 To 161.1 %



18

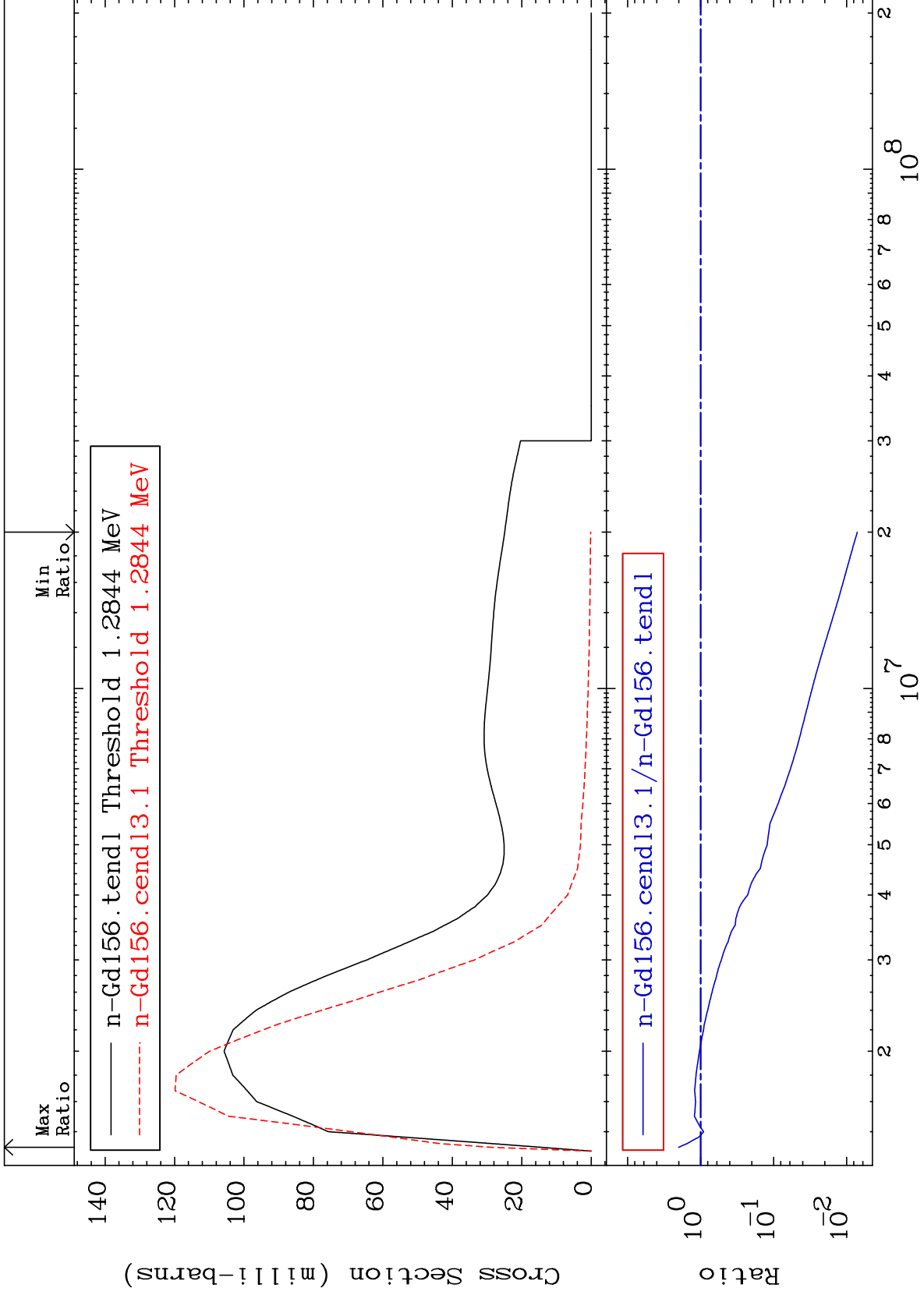
Incident Energy (eV)

64-Gd-156

MAT 6437

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

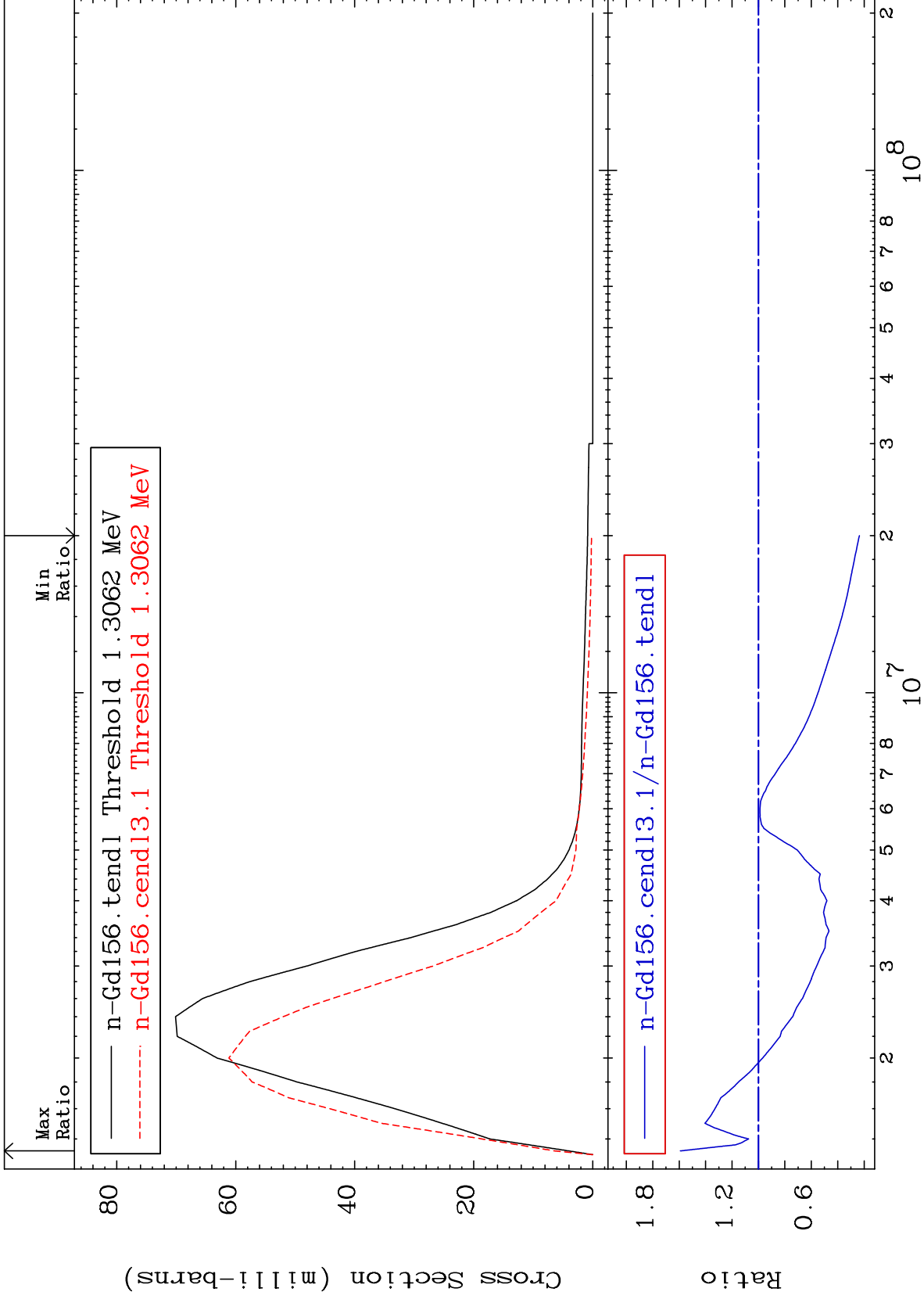
64-Gd-156  
-99.28 To 100.5 %



MAT 6437

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

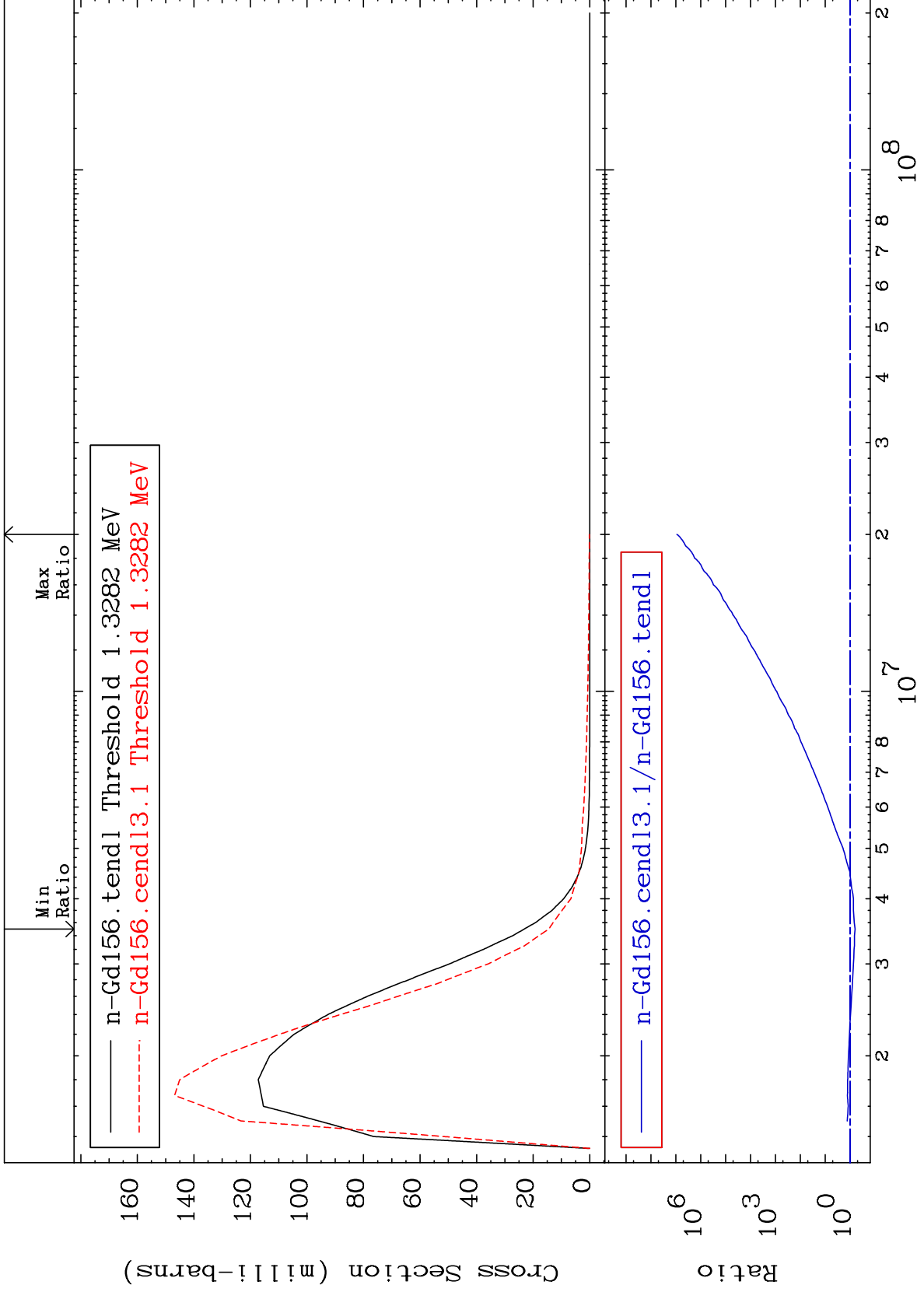
64-Gd-156  
-76.45 To 59.12 %



MAT 6437

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

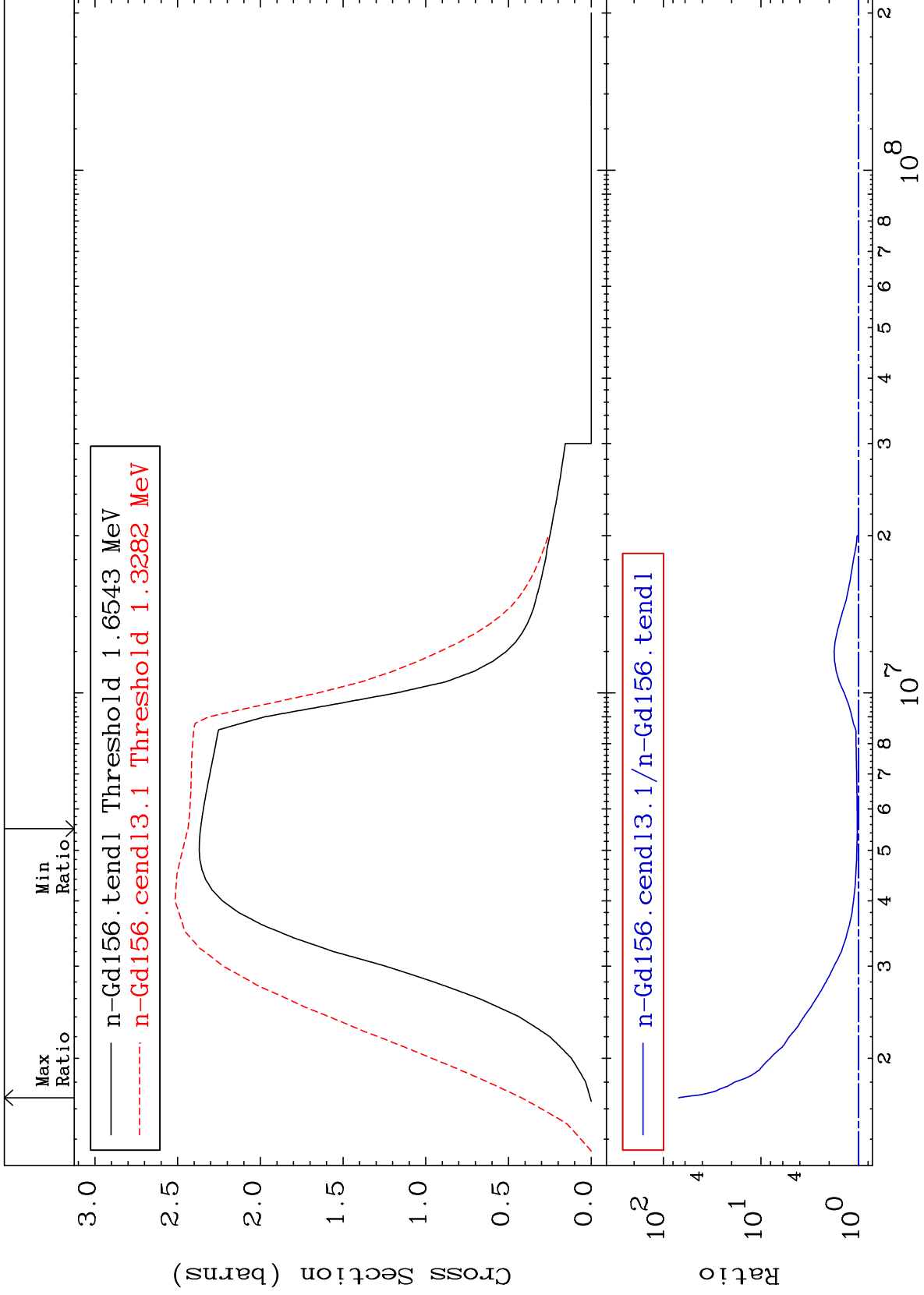
64-Gd-156  
-37.47 To 9999. %

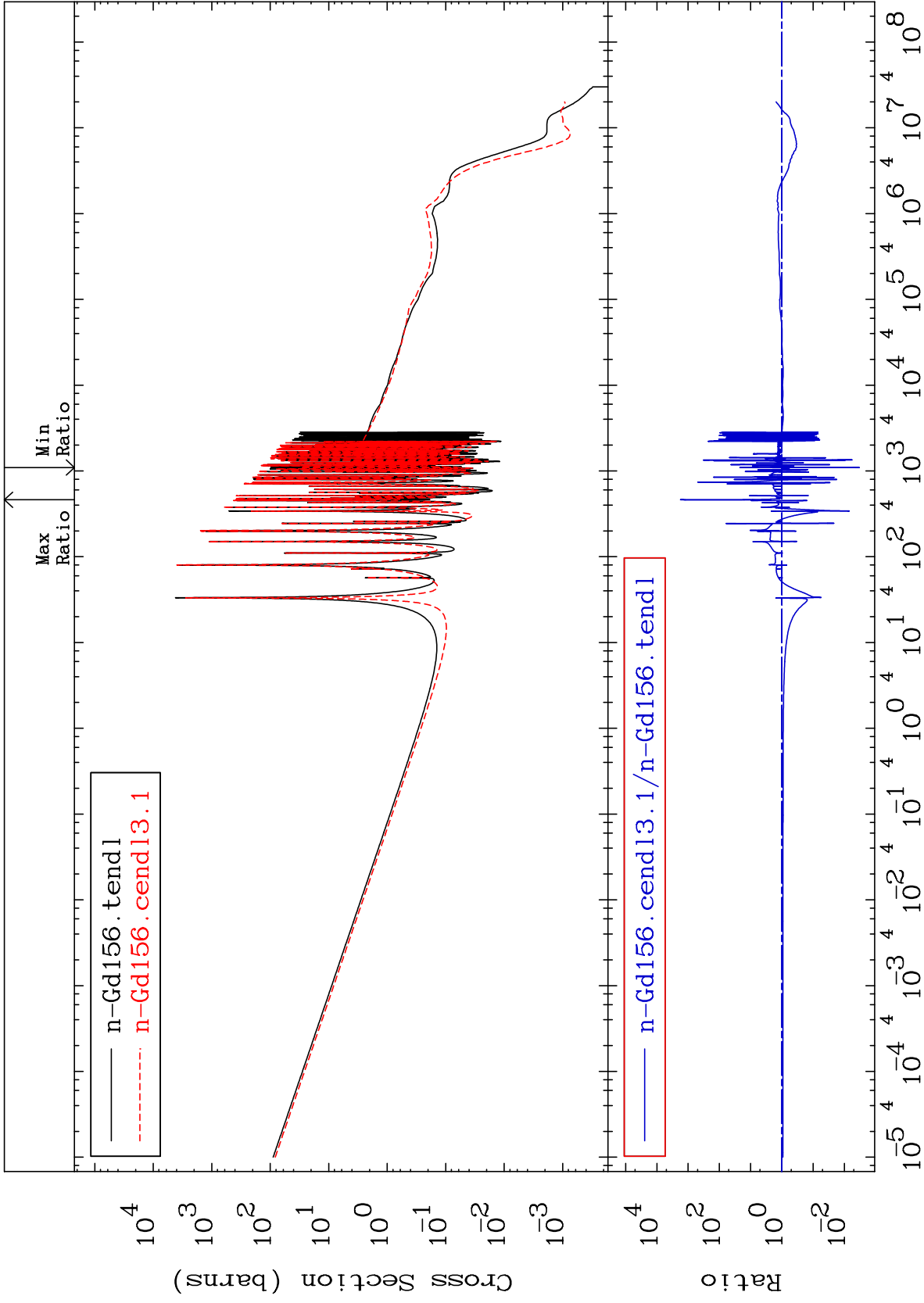


MAT 6437

(n, n') Continuum  
Cross Section

64-Gd-156  
3.226 To 6895. %





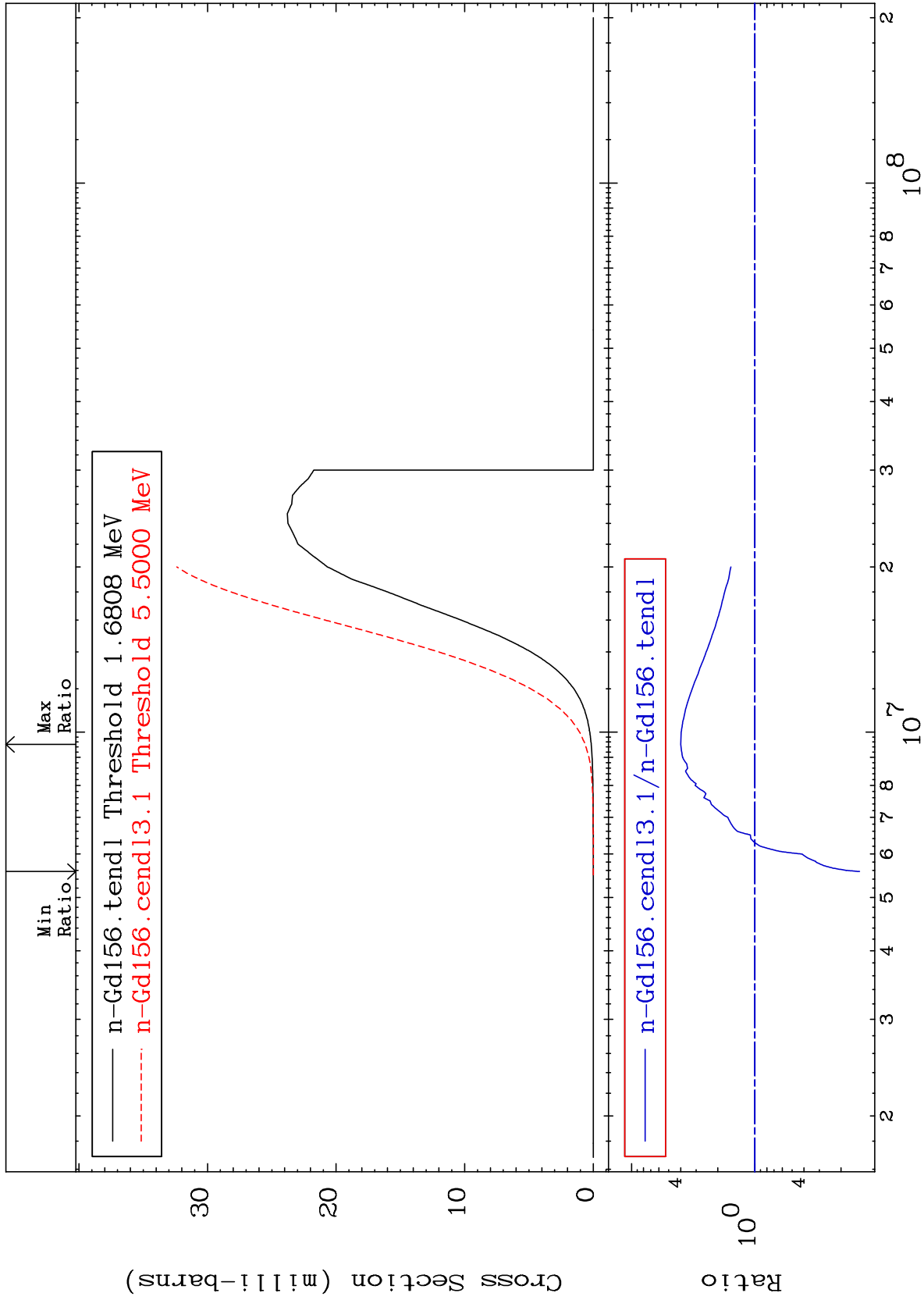
MAT 6437

(n, p)

64-Gd-156

Cross Section

-85.83 To 299.3 %



24

Incident Energy (eV)

64-Gd-156



MAT 6437

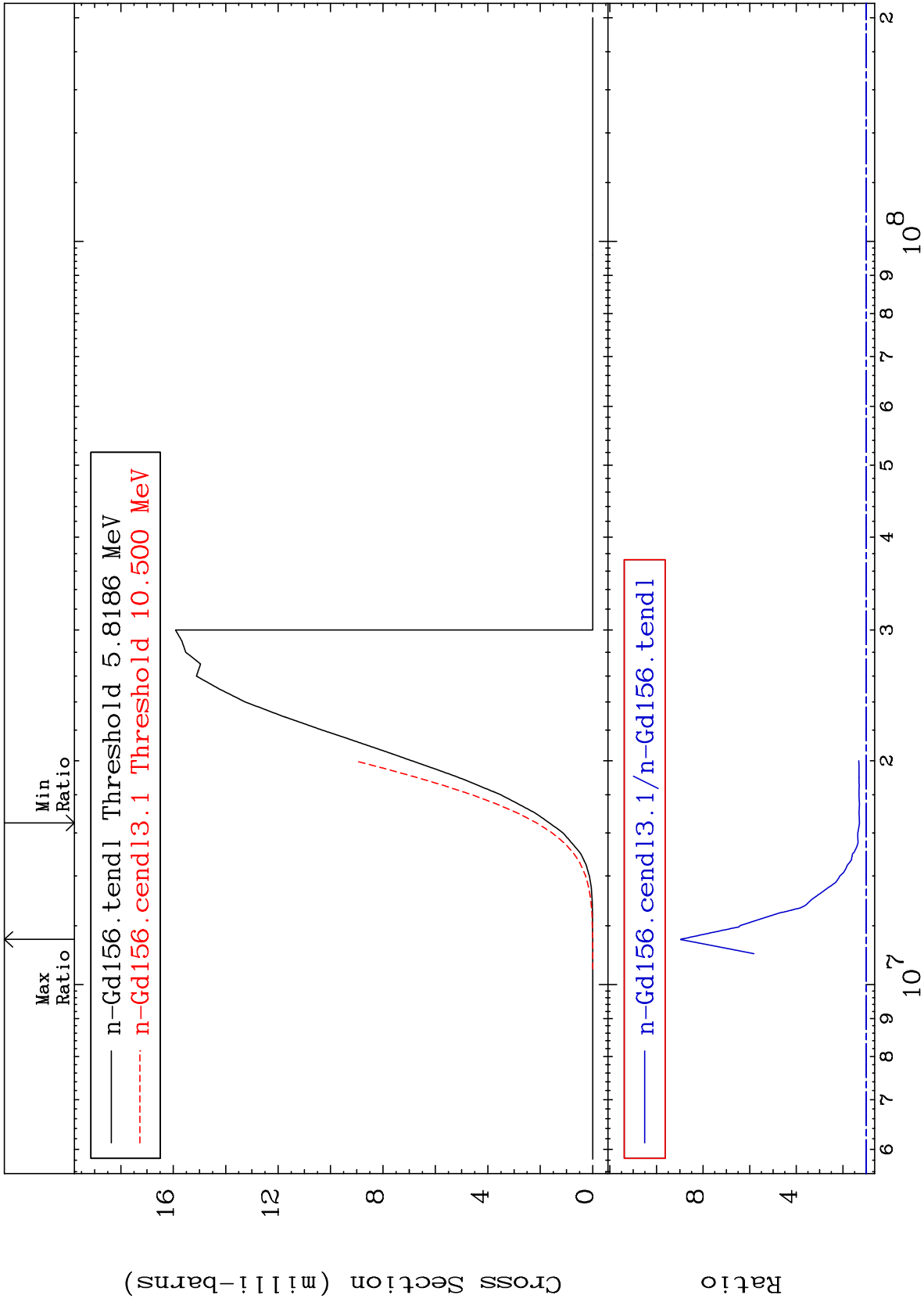
(n, d)

64-Gd-156

Cross Section

29.22

To 797.7 %



25

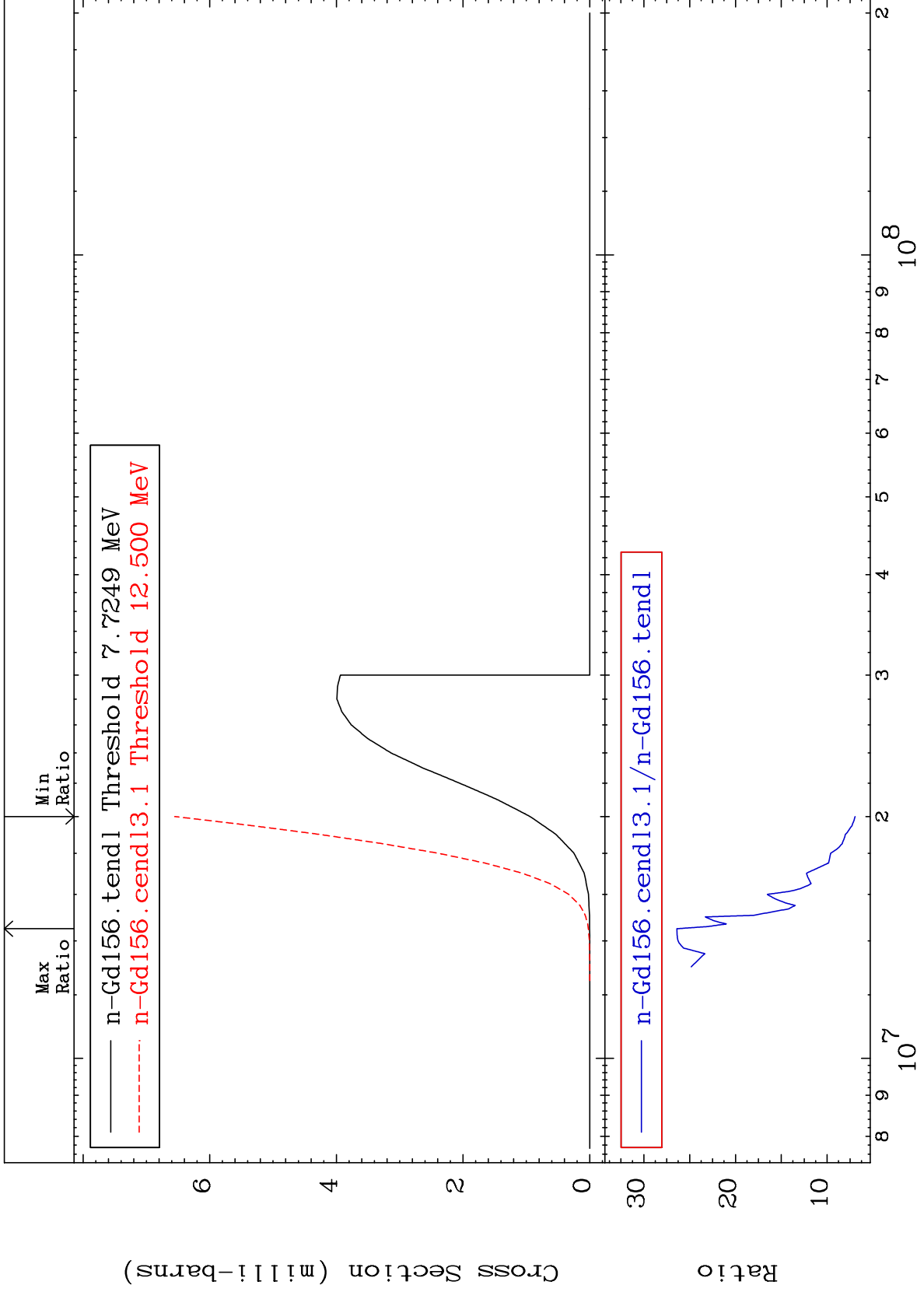
MAT 6437

(n, t)

64-Gd-156

Cross Section

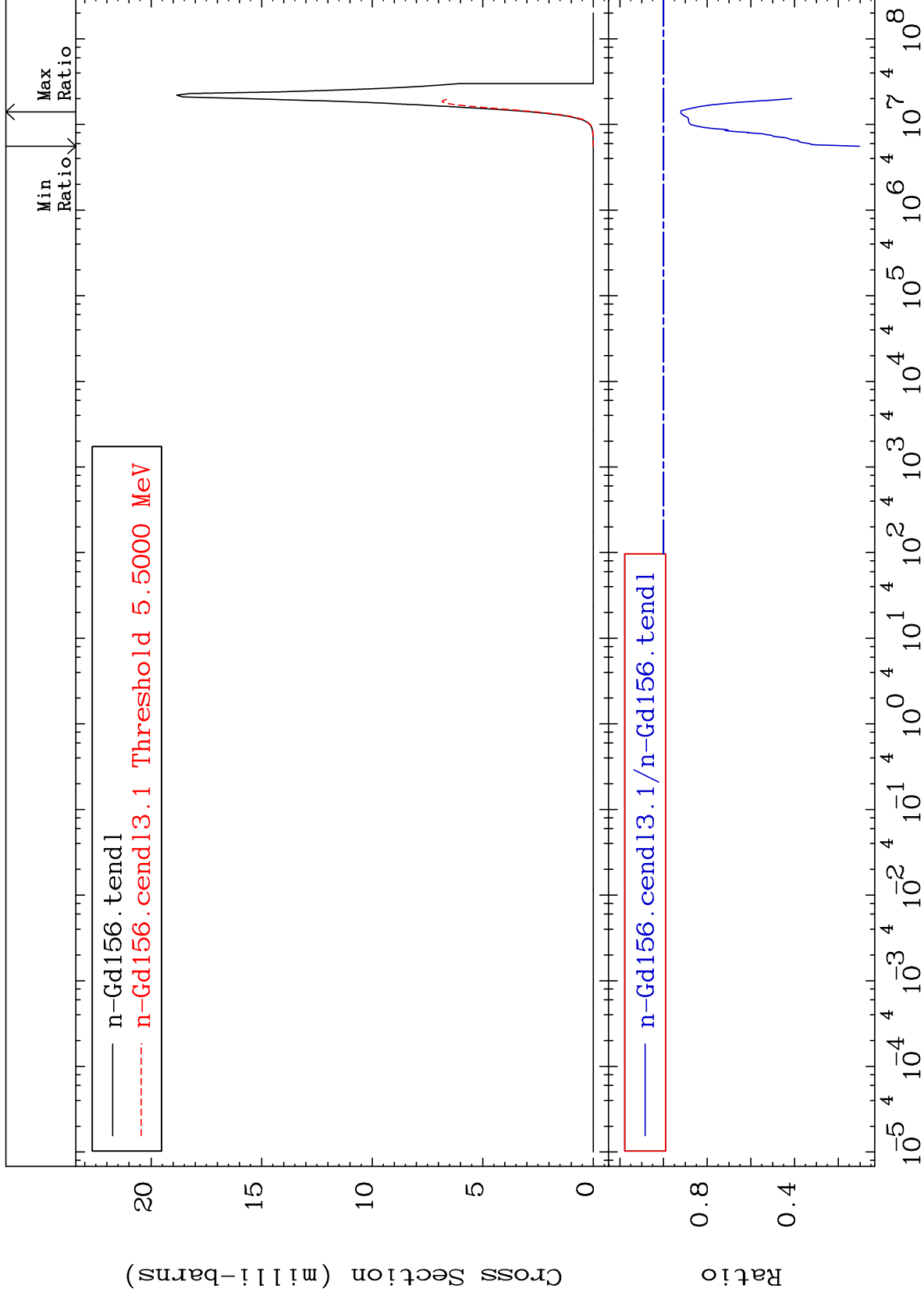
594.9 To 2539. %



MAT 6437

(n,  $\alpha$ )  
Cross Section

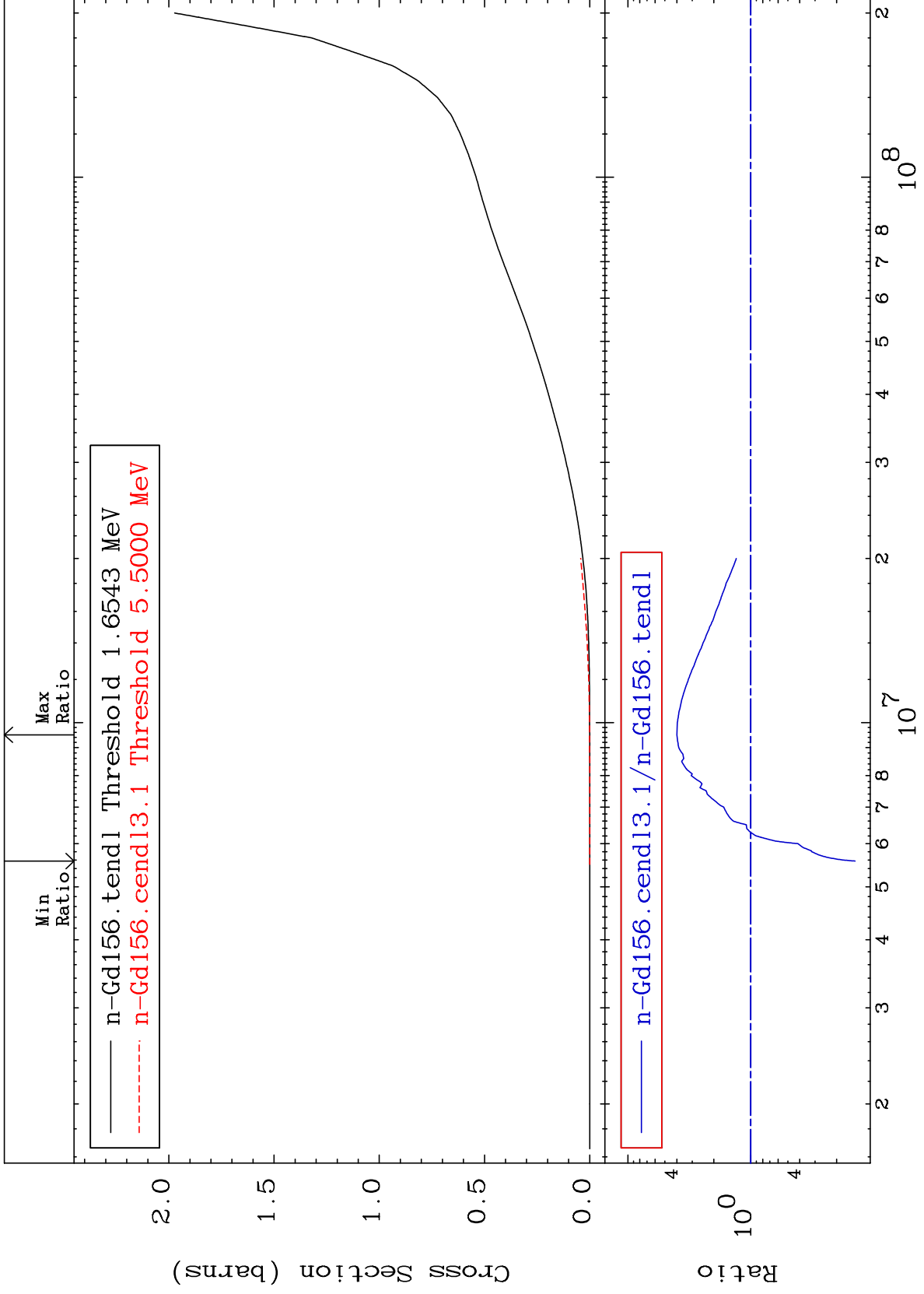
64-Gd-156  
-89.76 To -7.888%



27

Incident Energy (eV)

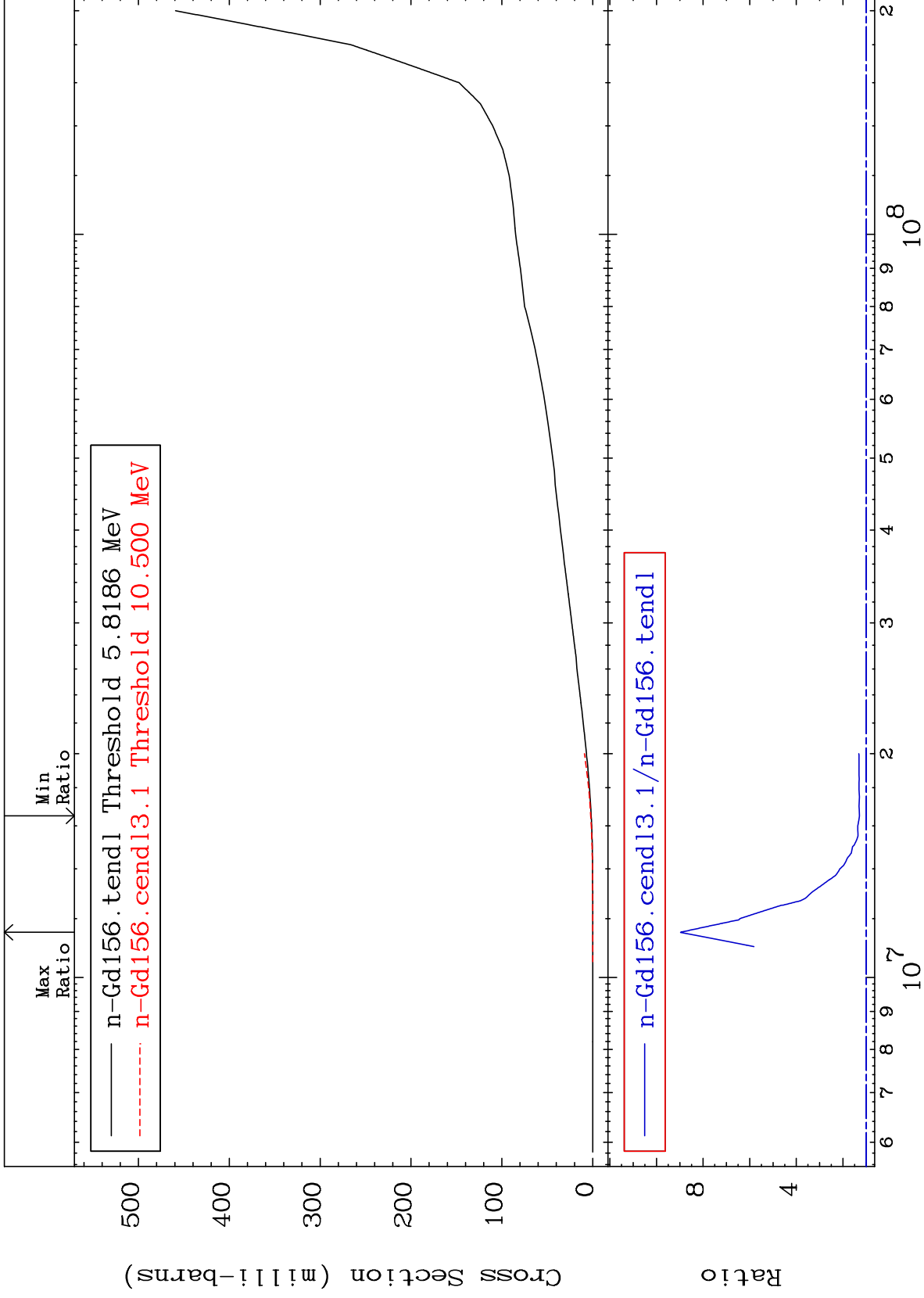
64-Gd-156



MAT 6437

Deuterium Production  
Cross Section

64-Gd-156  
29.22 To 797.7 %



29

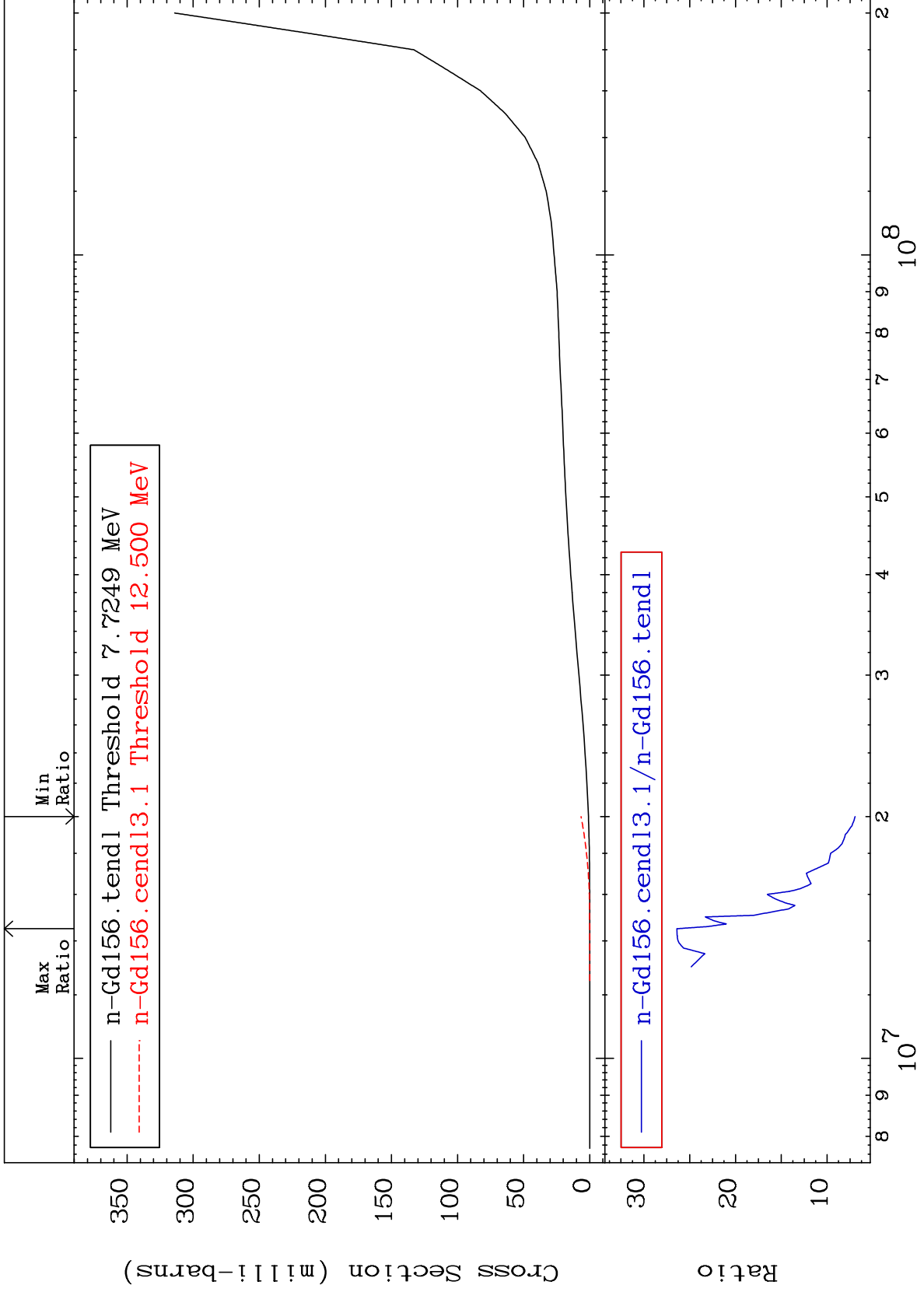
Incident Energy (eV)

64-Gd-156

MAT 6437

Tritium Production  
Cross Section

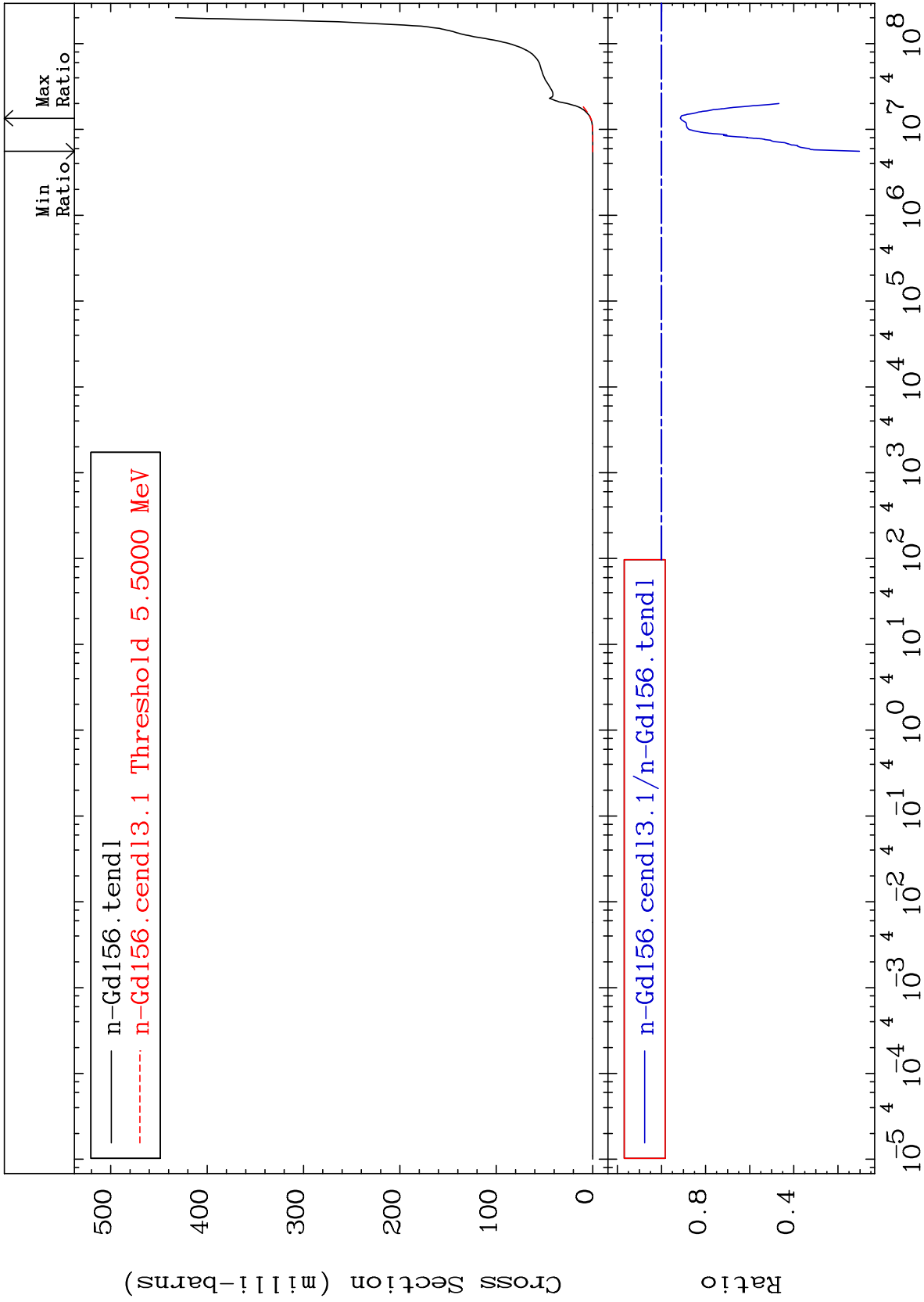
64-Gd-156  
594.7 To 2539. %

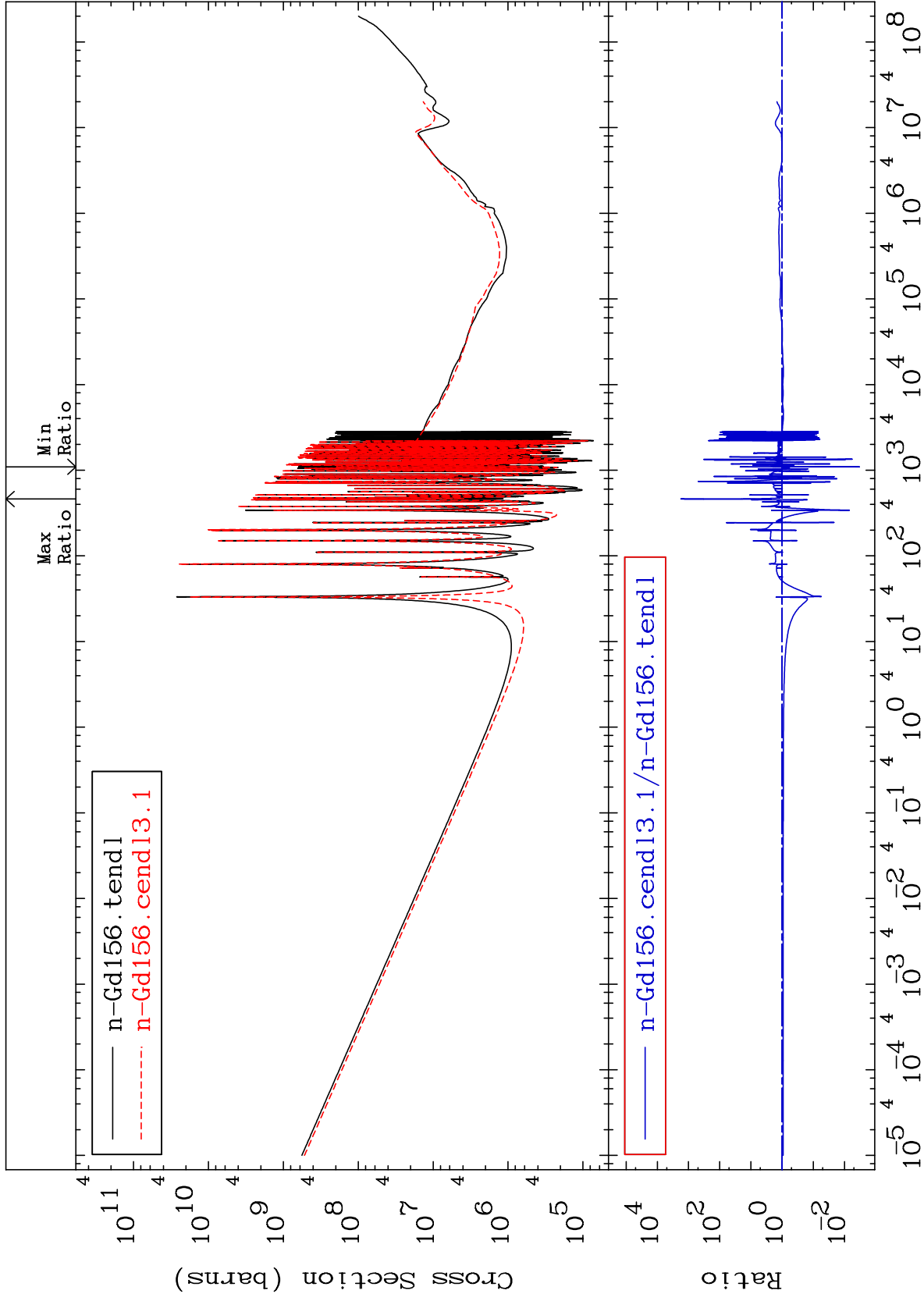


30

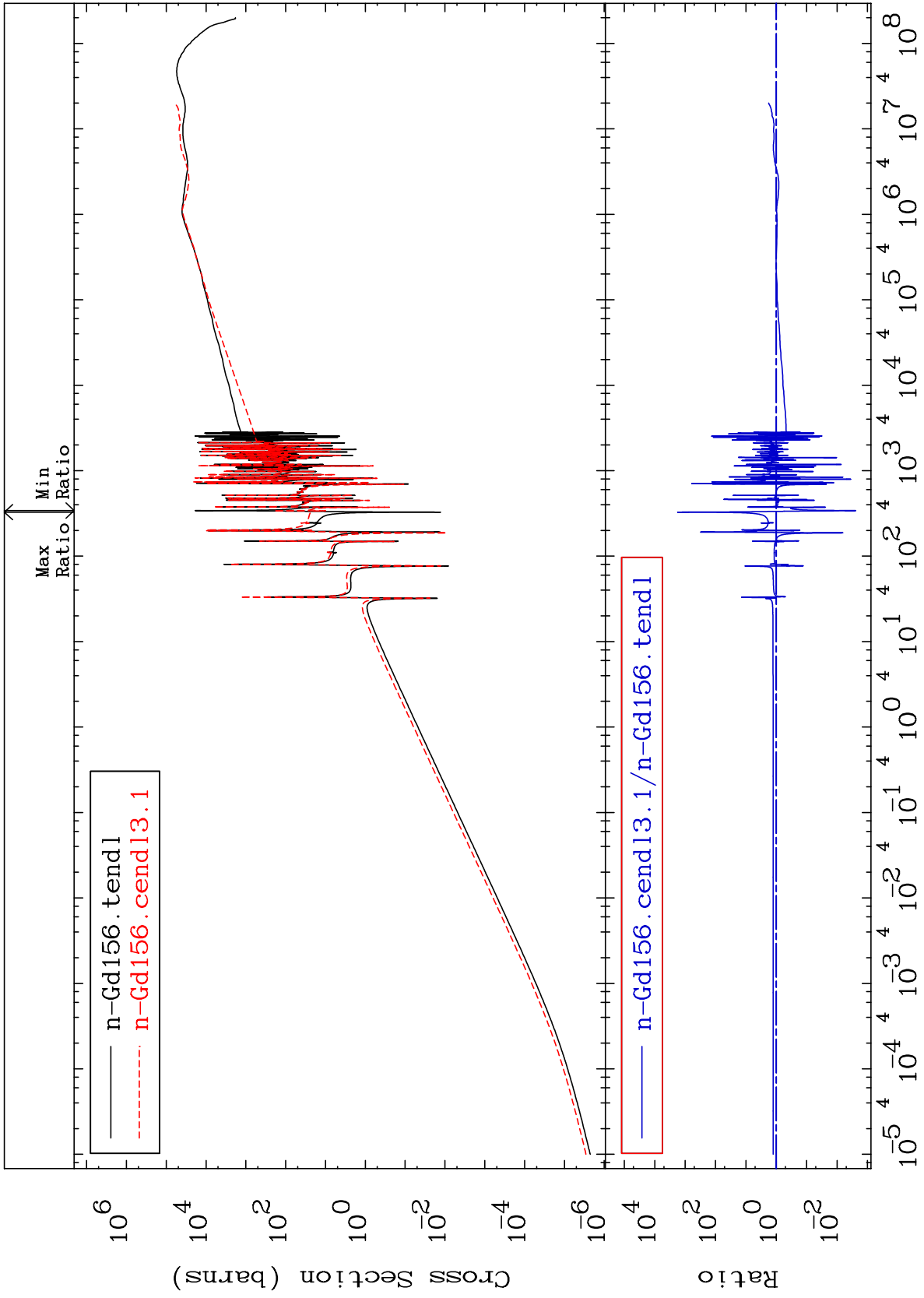
Incident Energy (eV)

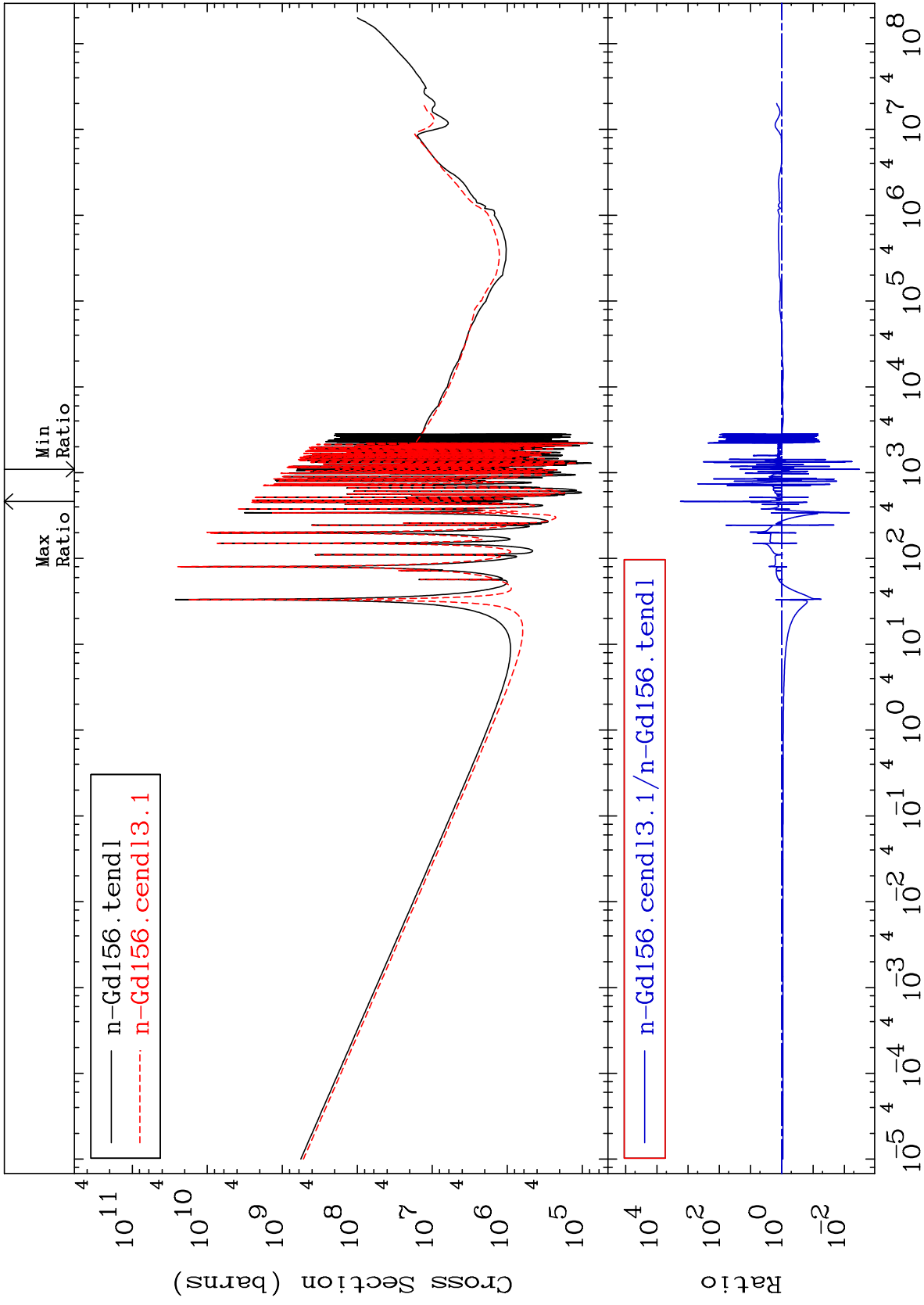
64-Gd-156

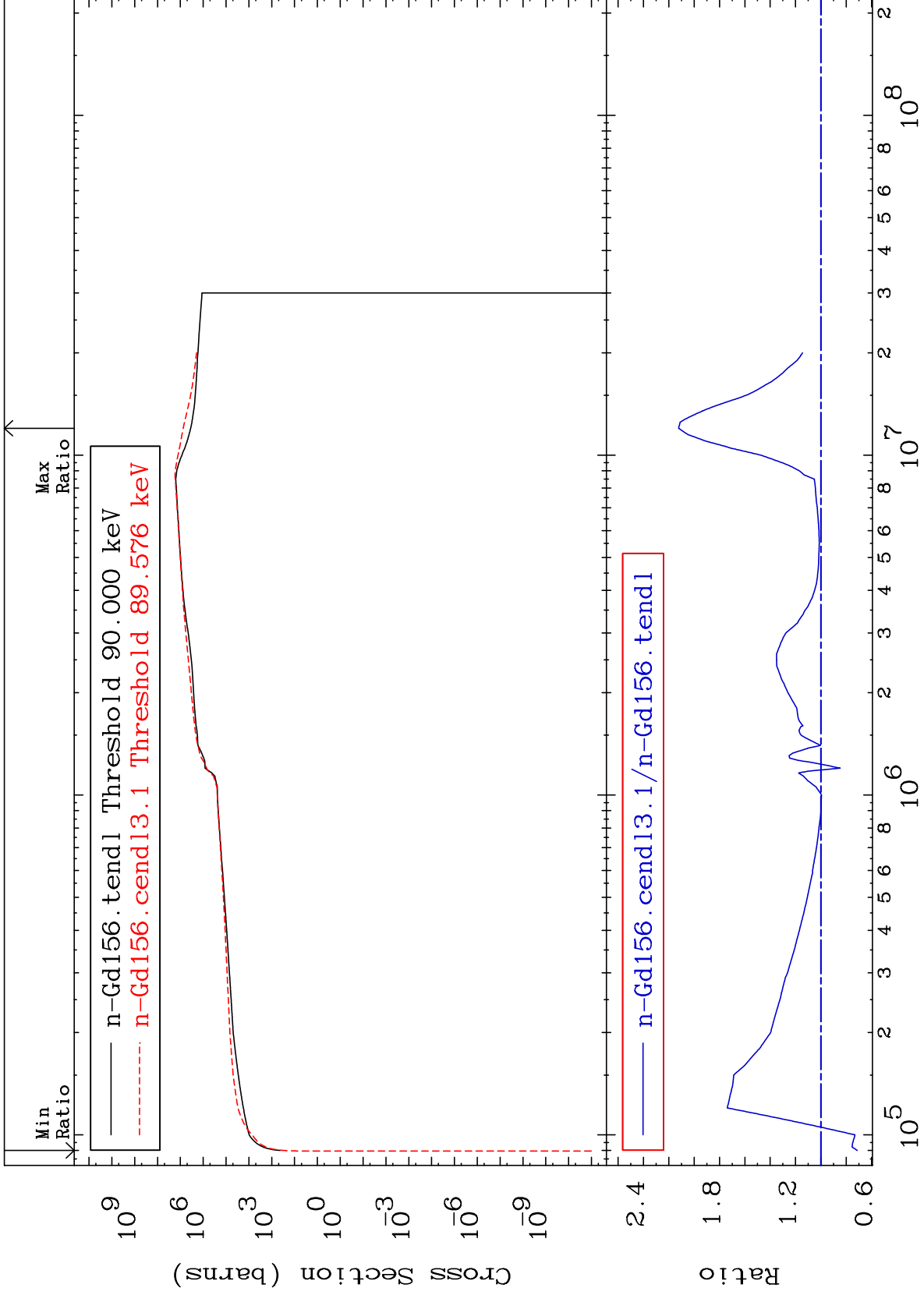


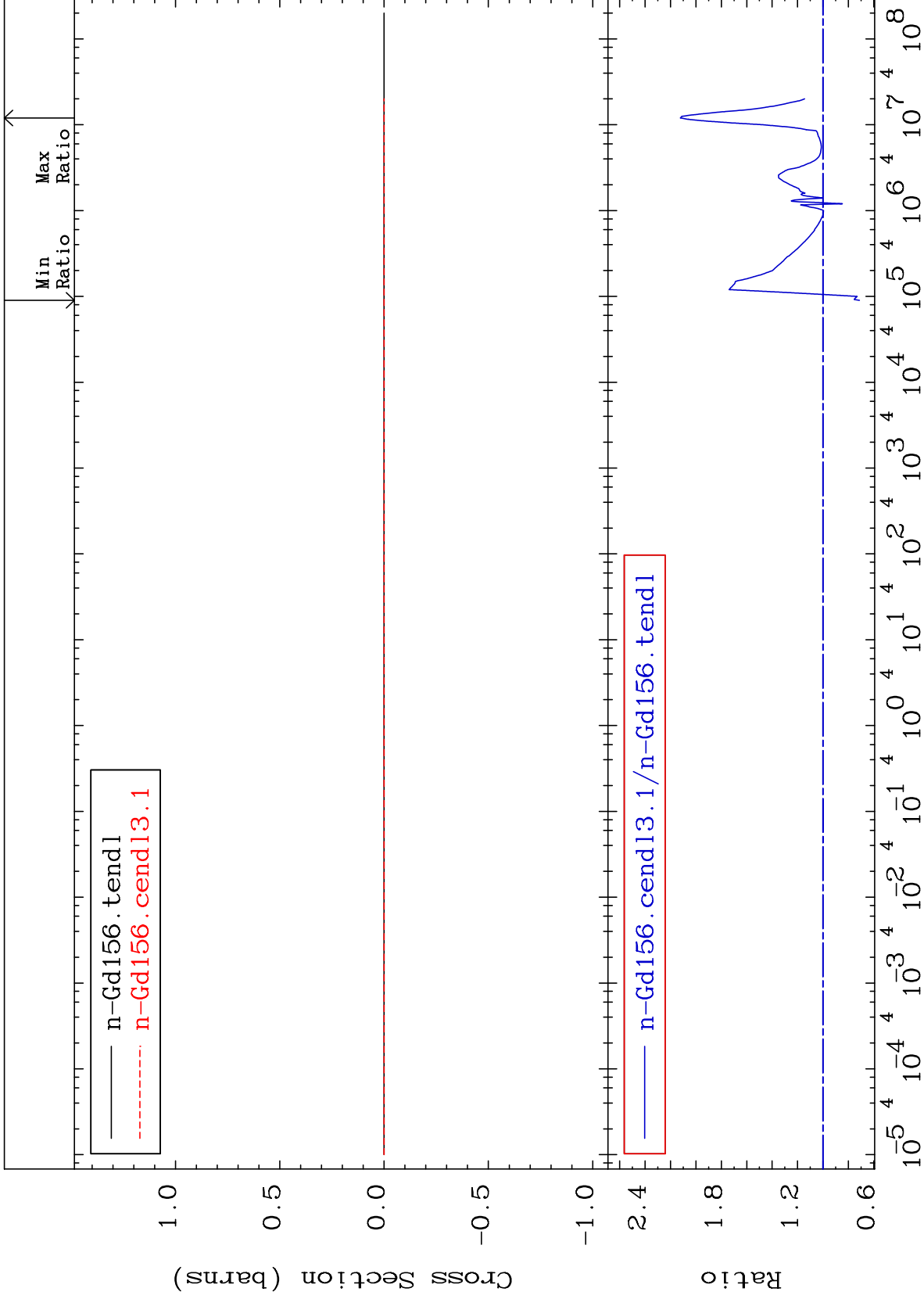


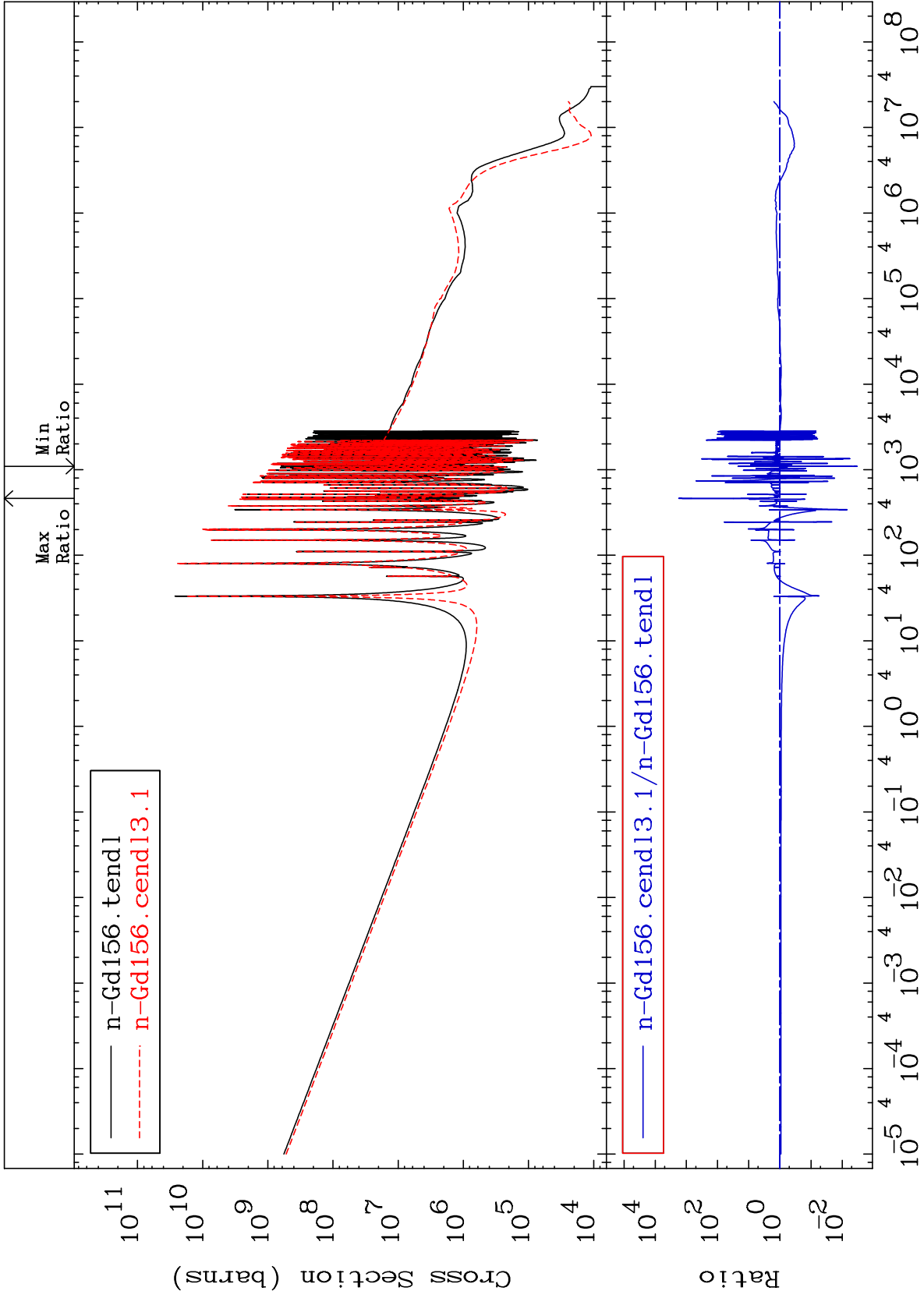


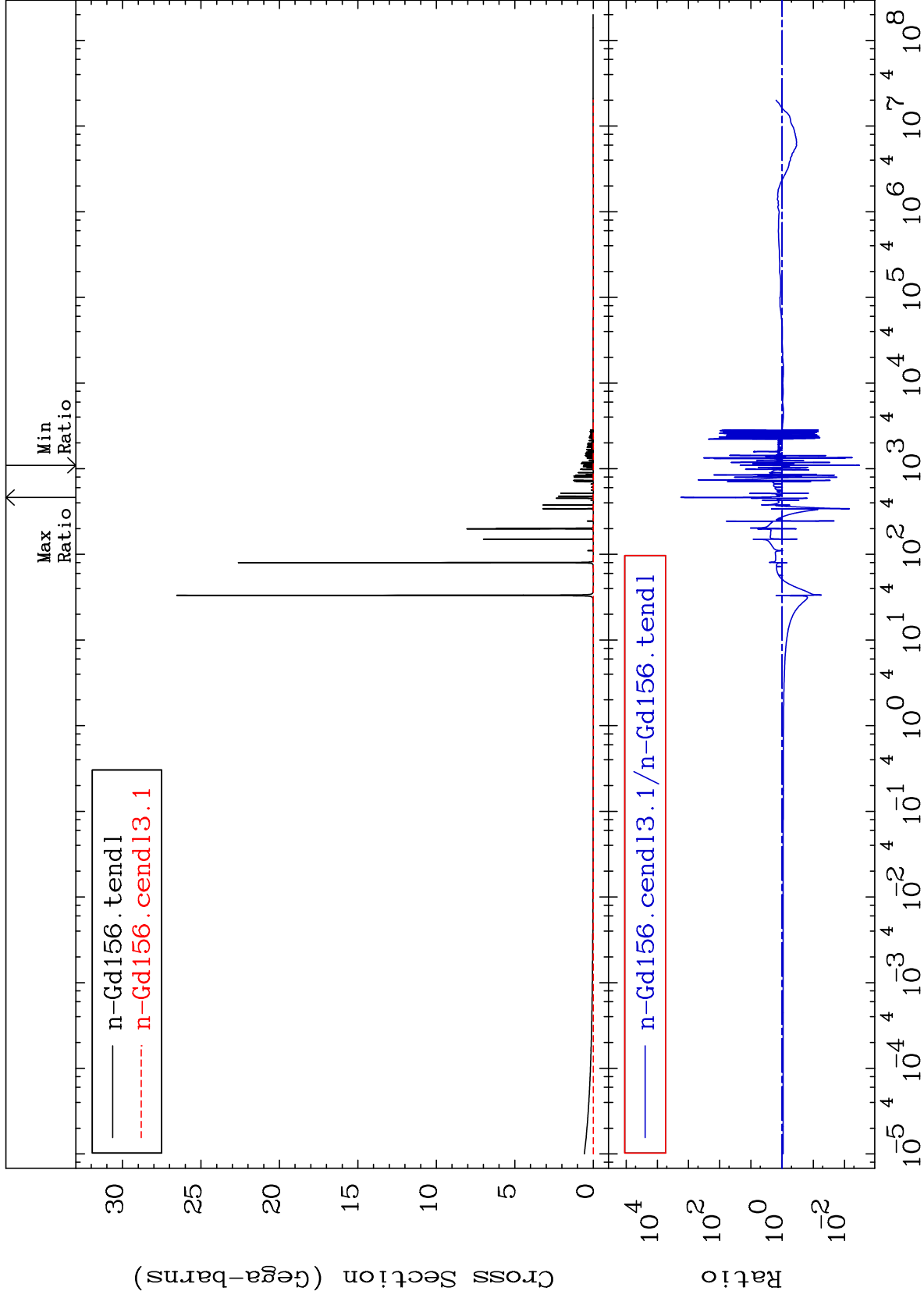


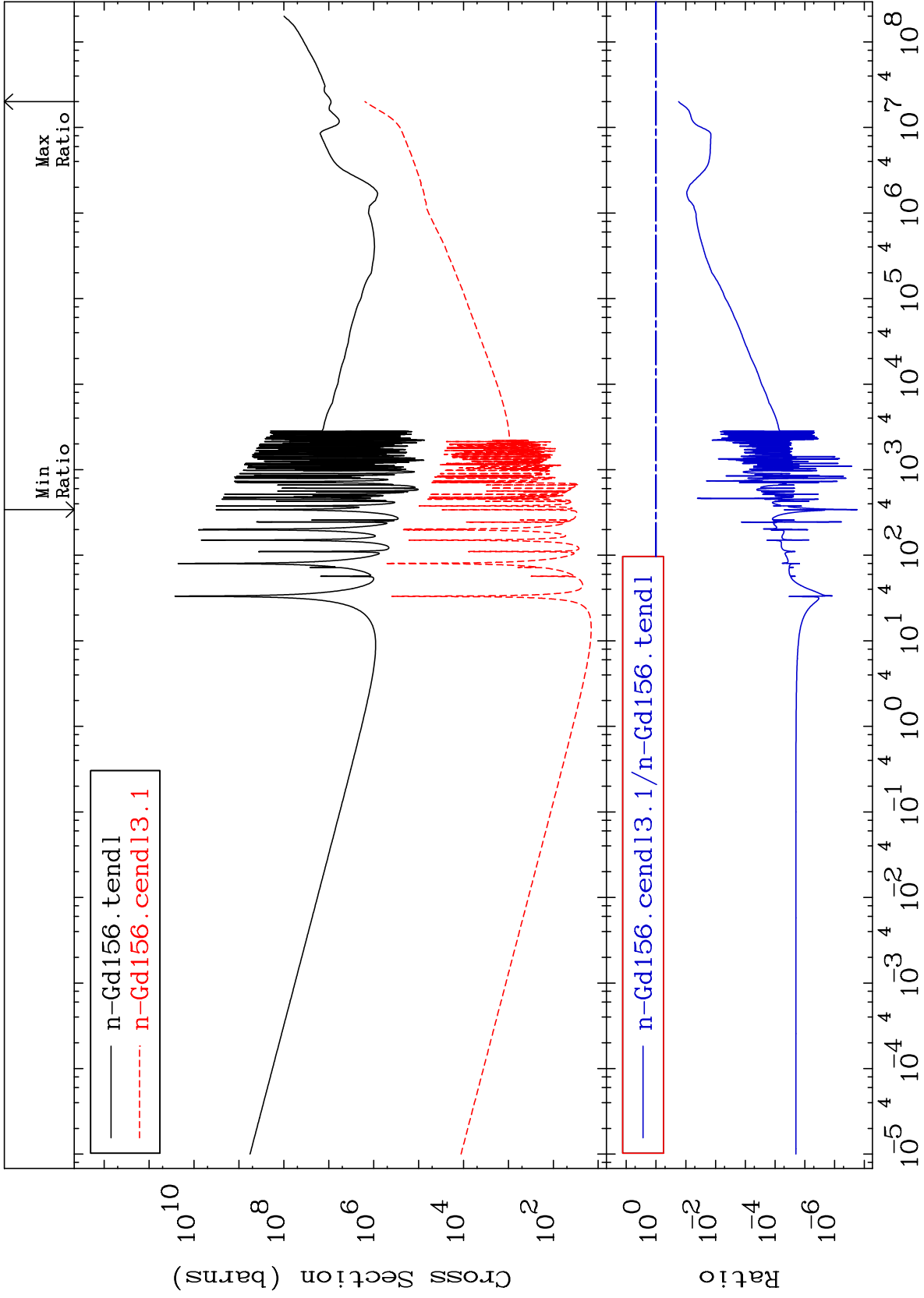


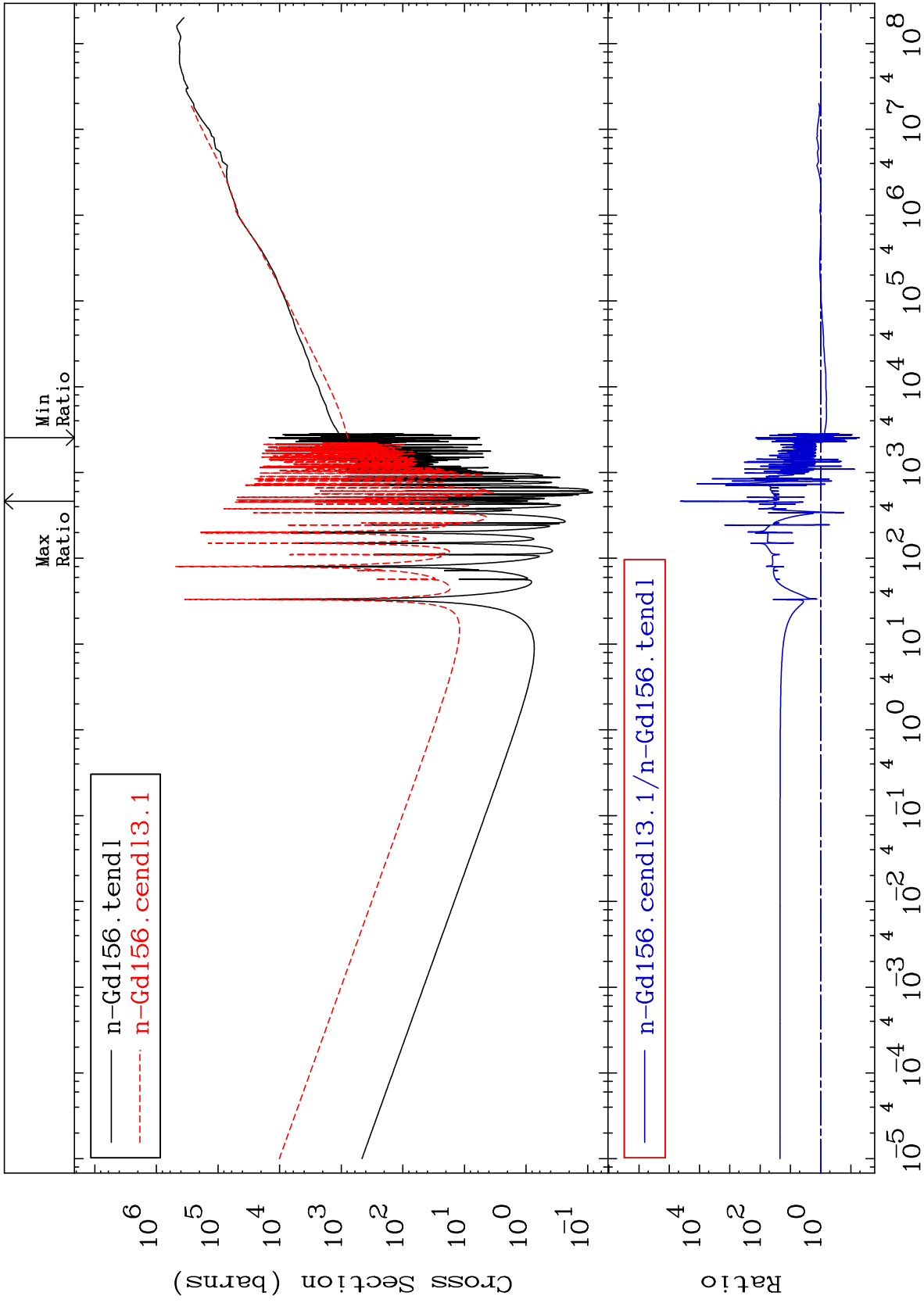










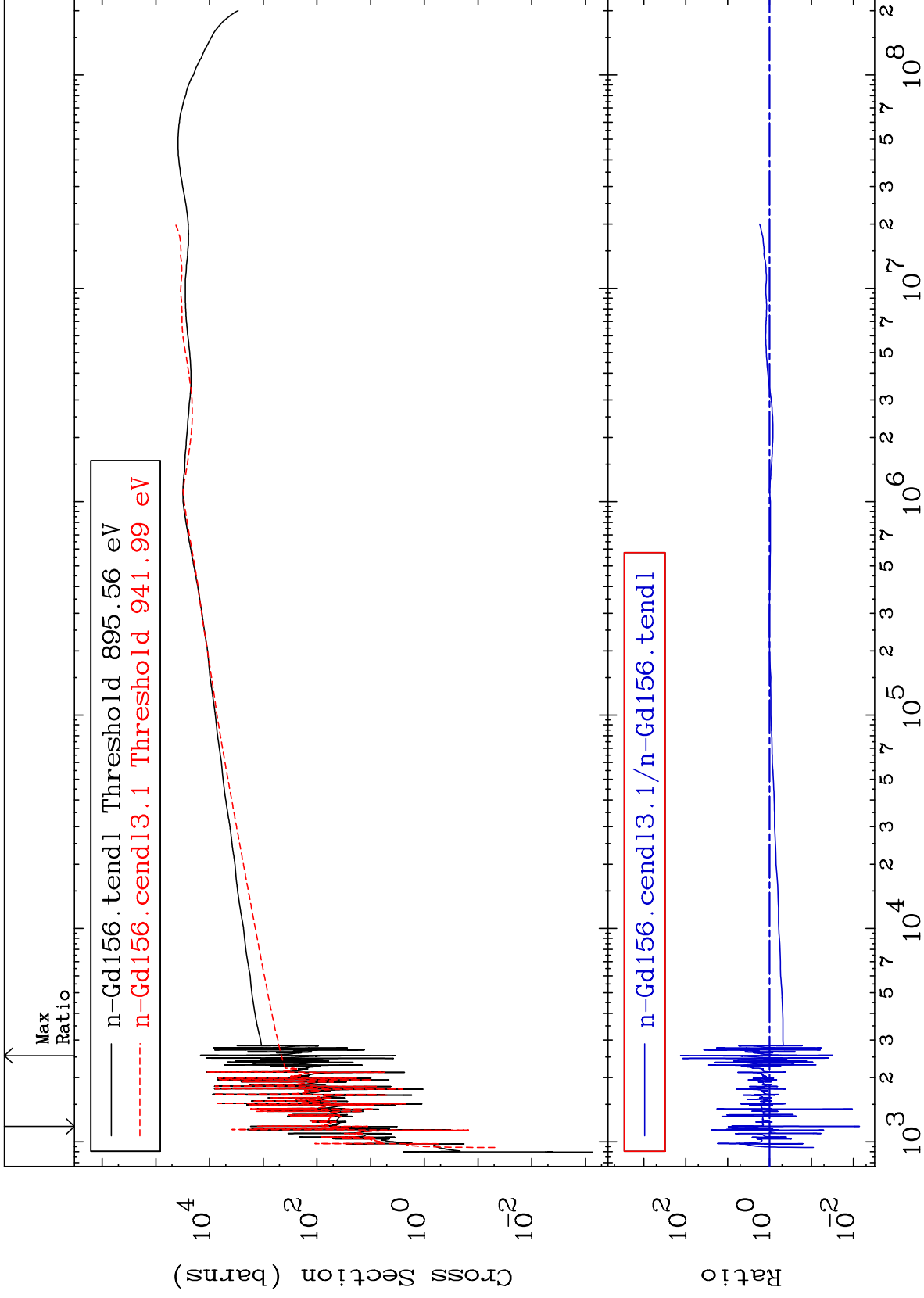




MAT 6437

Dpa elastic (mt2)  
Cross Section

64-Gd-156  
-99.28 To 9999. %



41

Incident Energy (eV)

64-Gd-156

