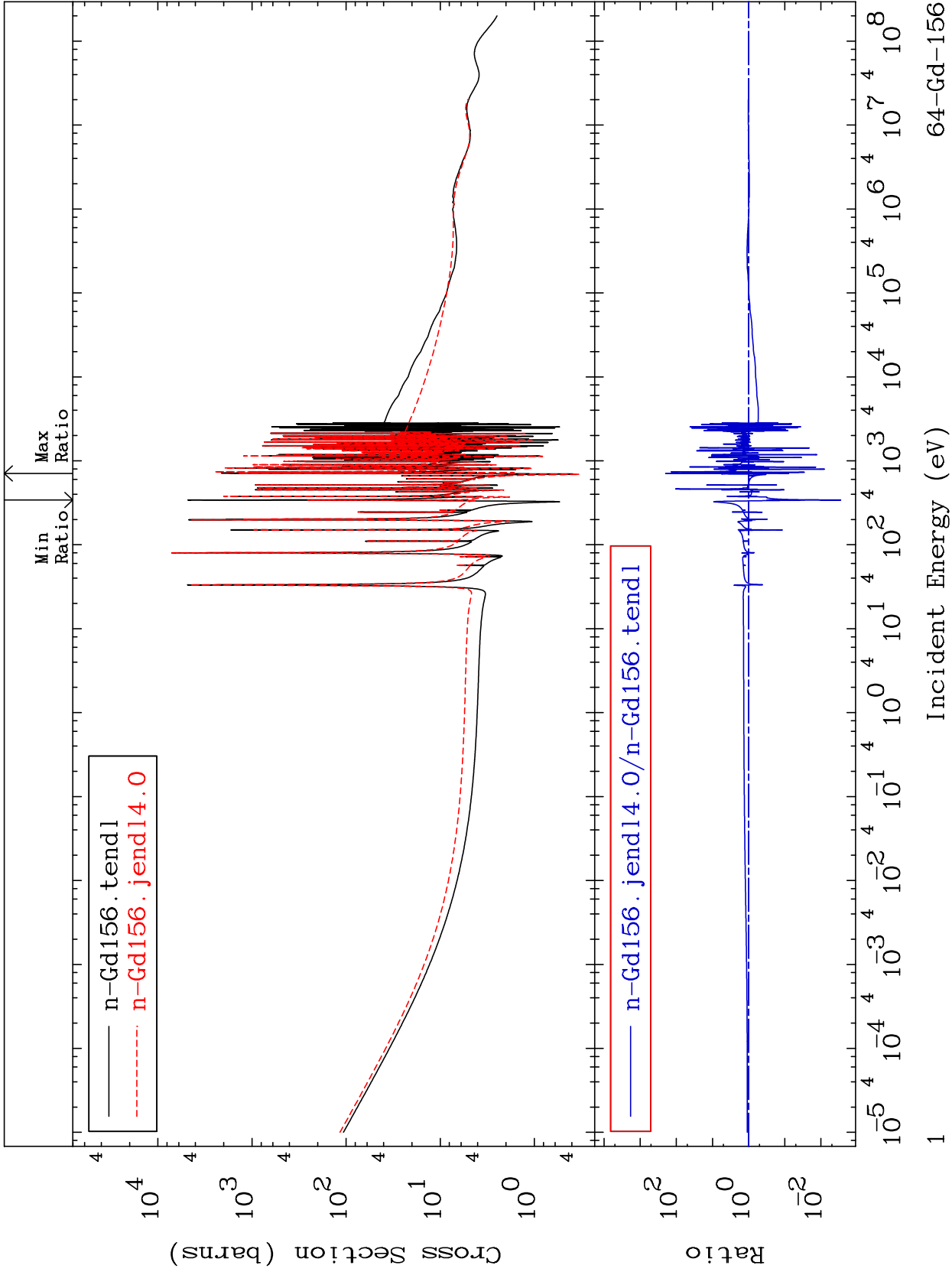


MAT 6437

Total Cross Section  
64-Gd-156  
-99.71 To 9999. %



64-Gd-156

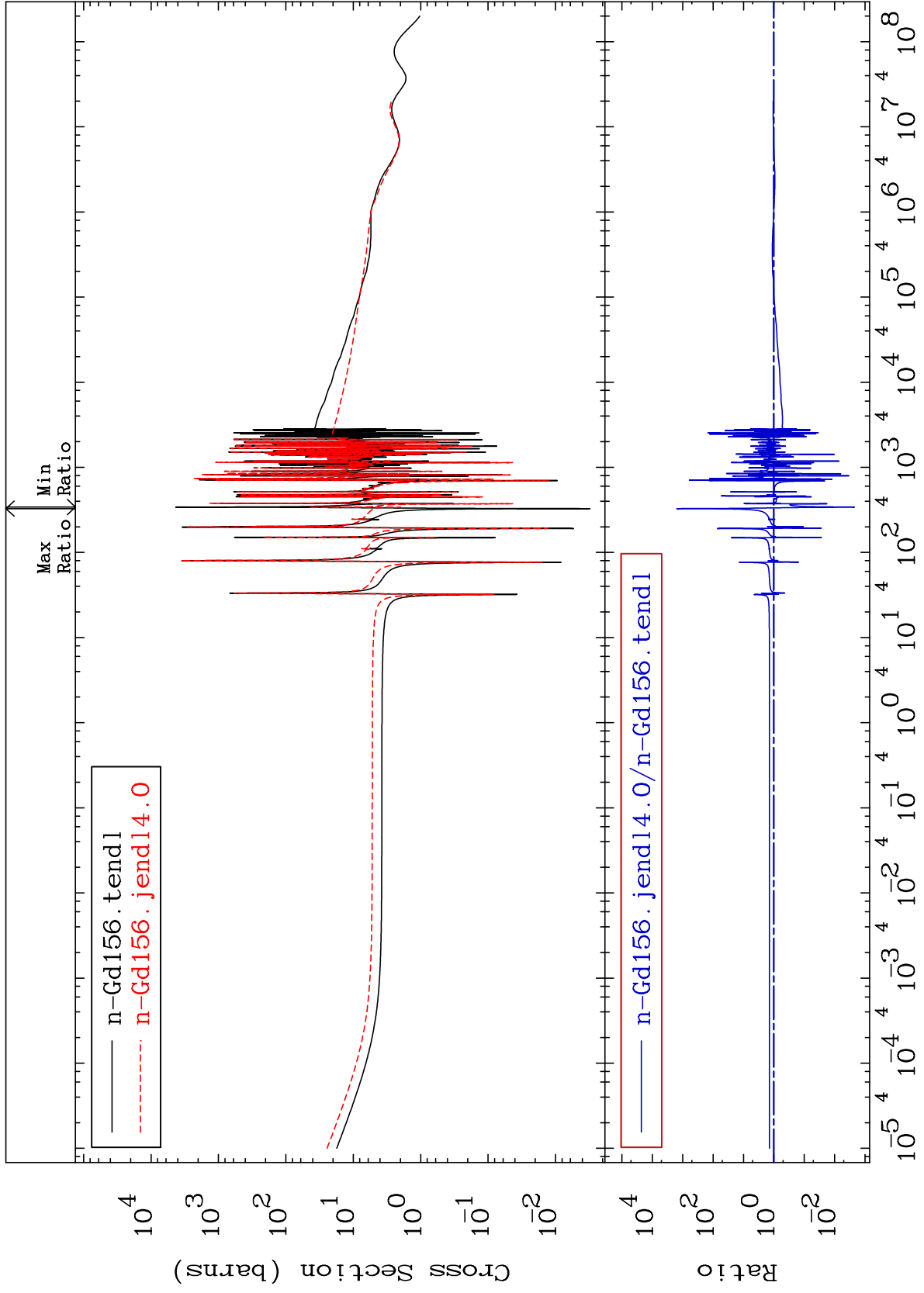
MAT 6437

Elastic

64-Gd-156

Cross Section

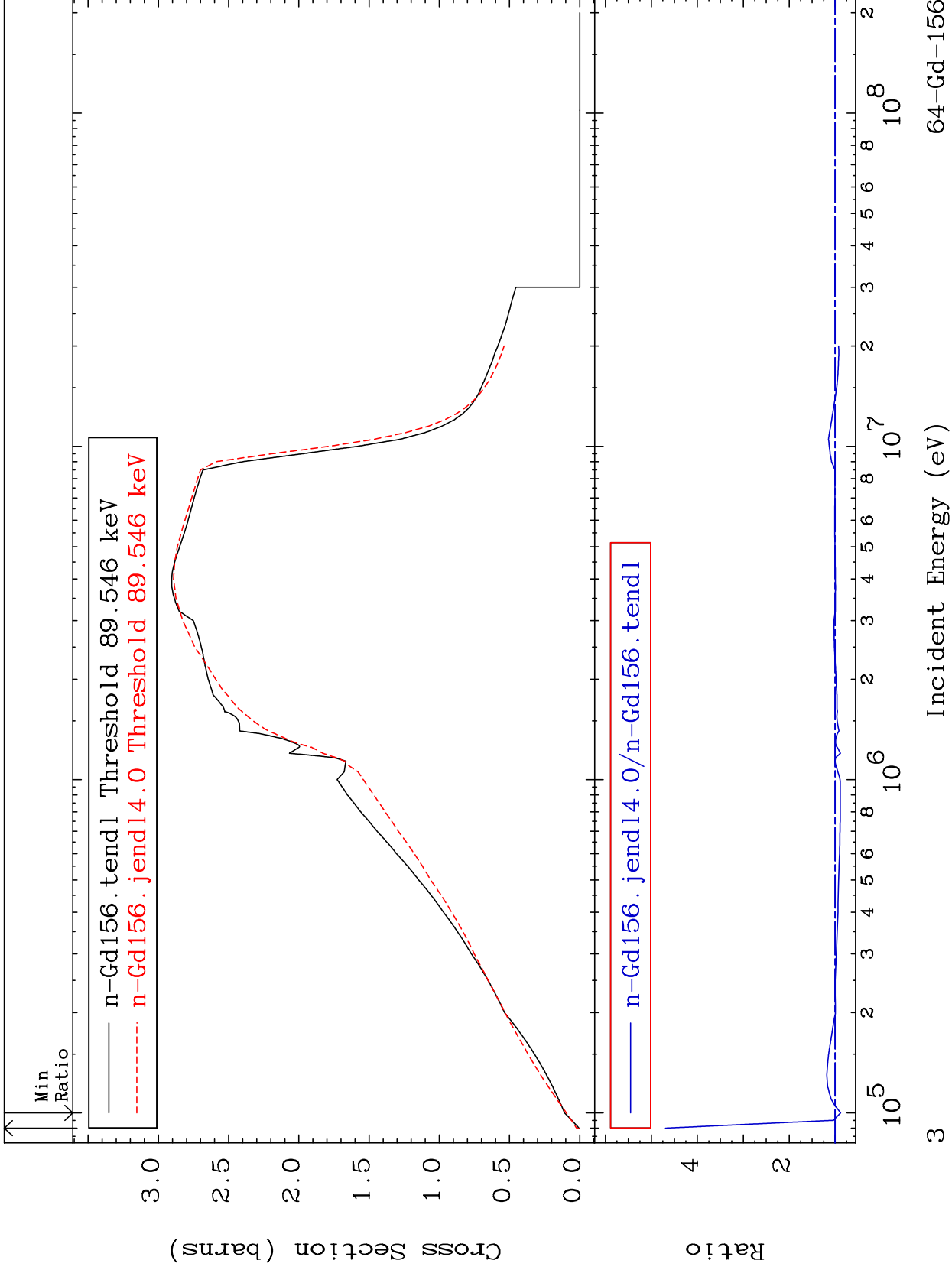
-99.78 To 9999. %



MAT 6437

Inelastic  
Cross Section

64-Gd-156  
-11.95 To 369.3 %



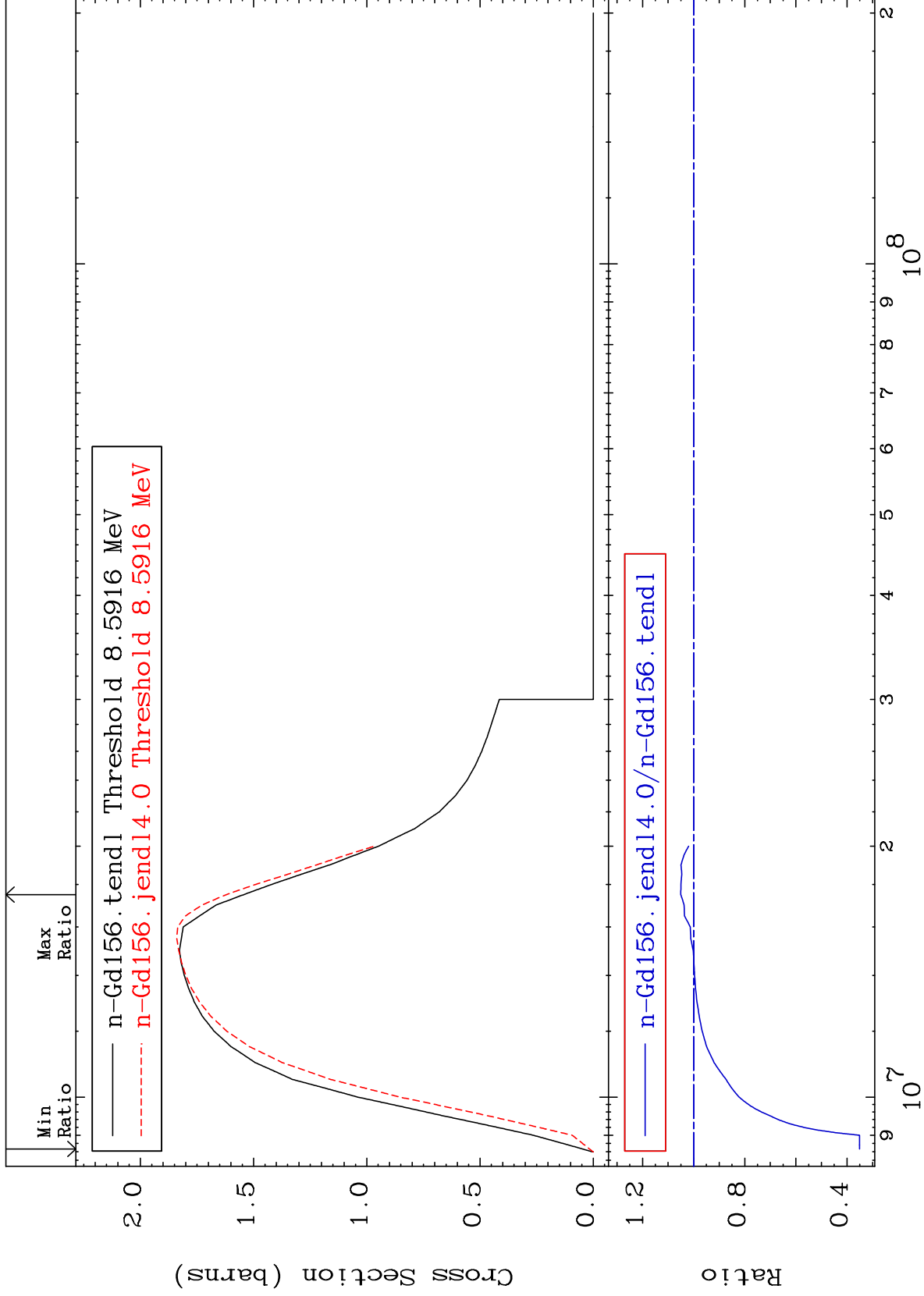
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-64.90 To 5.039 %

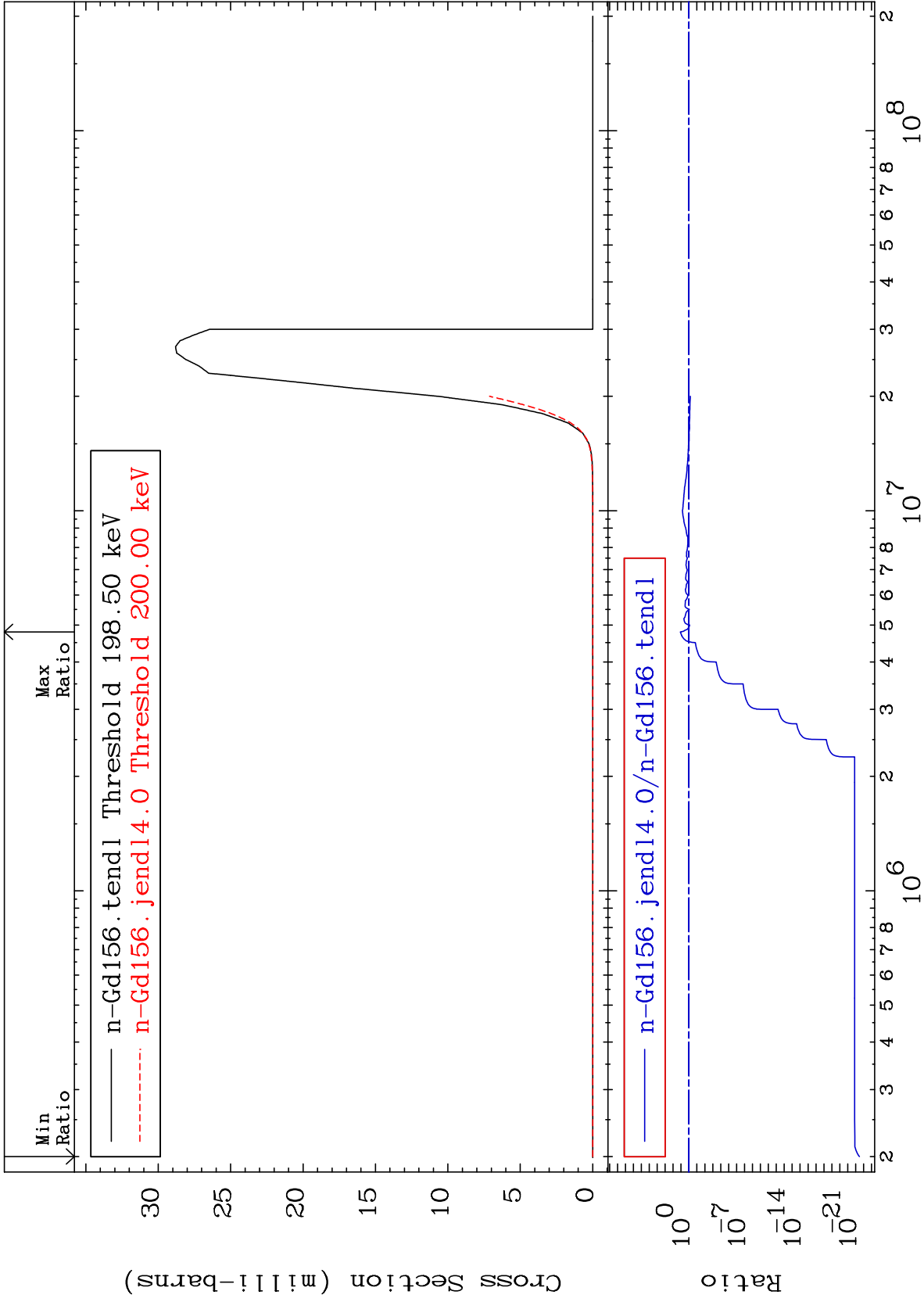


4

Incident Energy (eV)

64-Gd-156

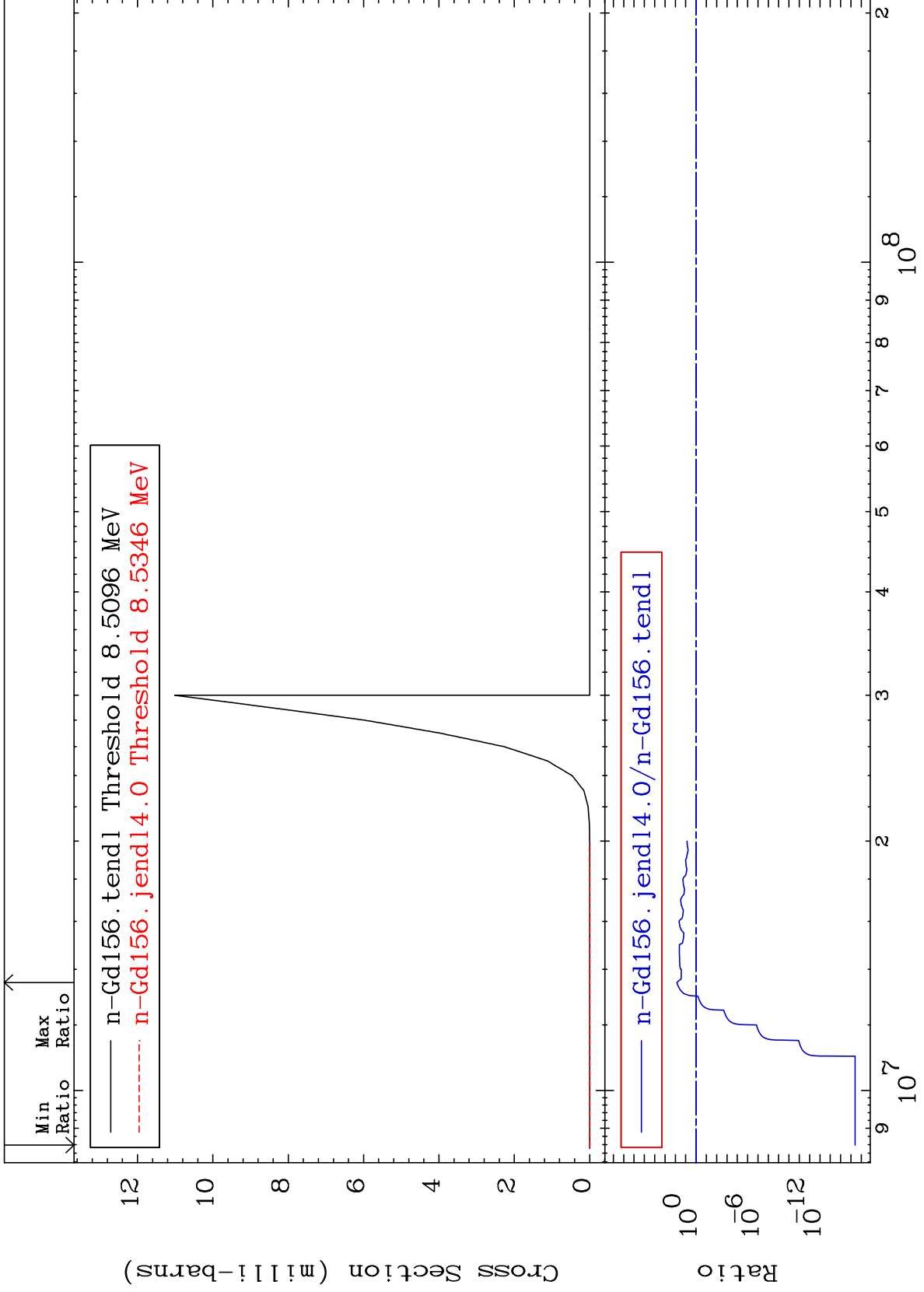




MAT 6437

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

64-Gd-156  
-100.0 To 6920. %



7

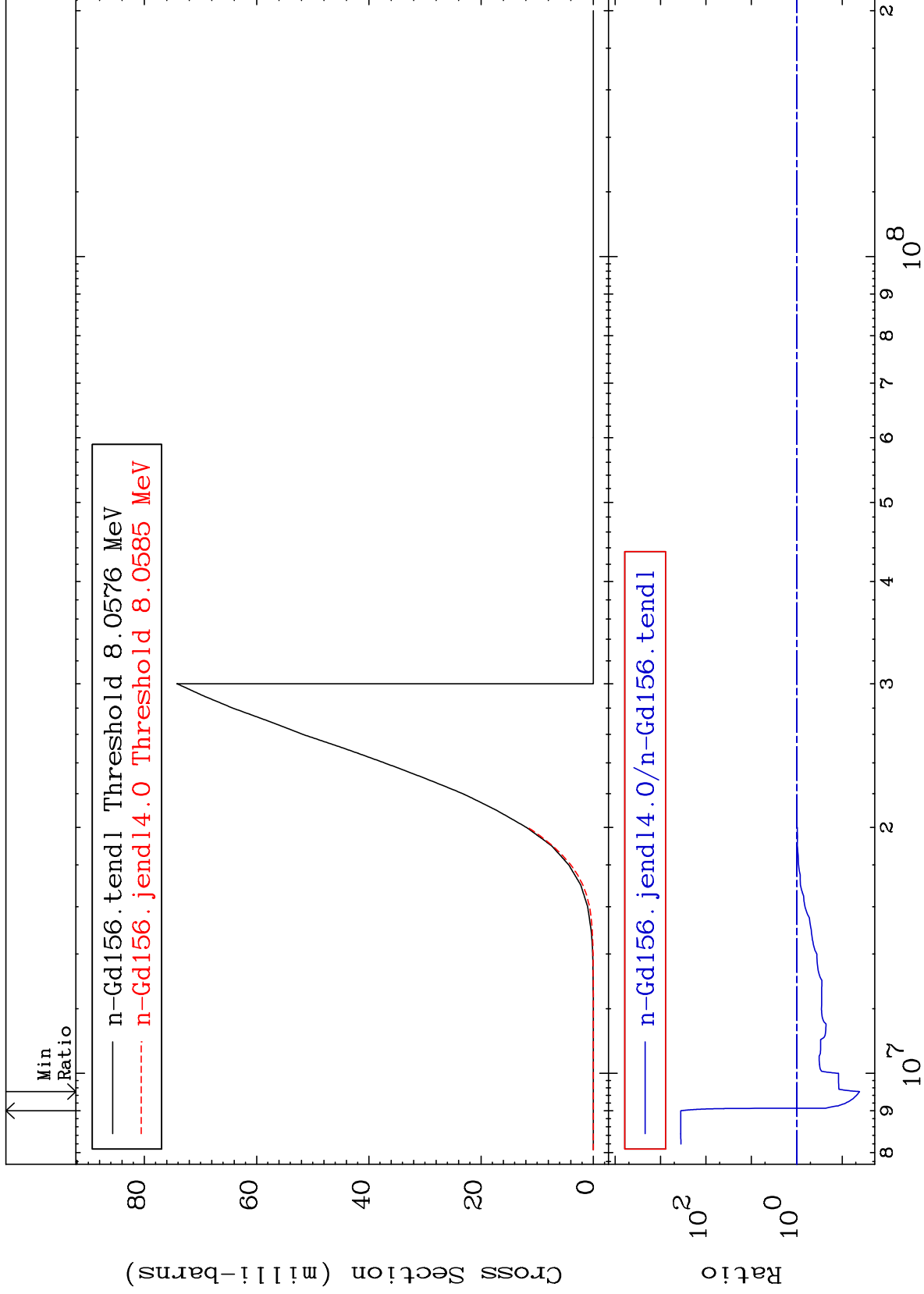
Incident Energy (eV)

64-Gd-156

MAT 6437

(n,n') p  
Cross Section

64-Gd-156  
-95.85 To 9999. %



8

Incident Energy (eV)

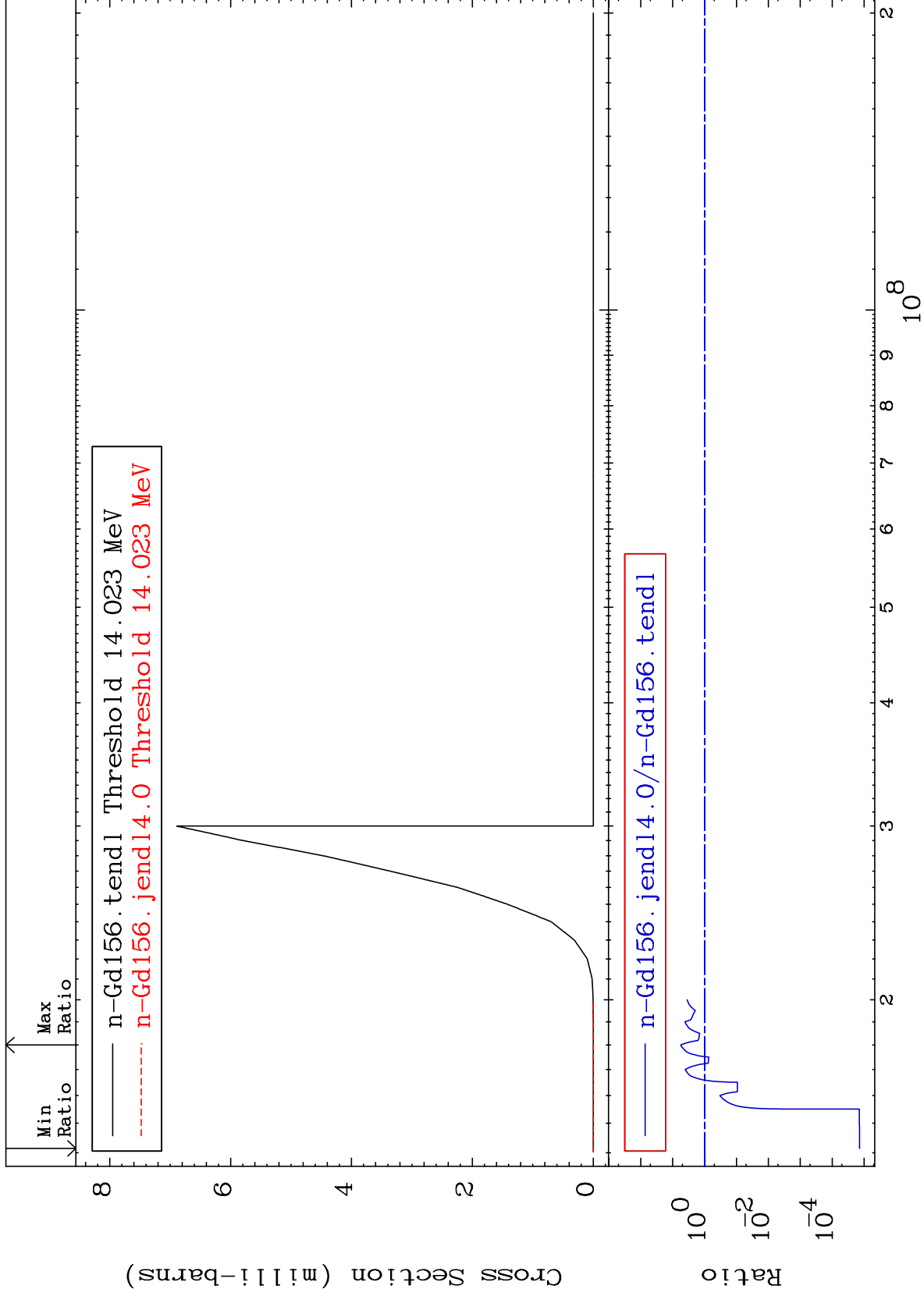
64-Gd-156



MAT 6437

(n, n') d  
Cross Section

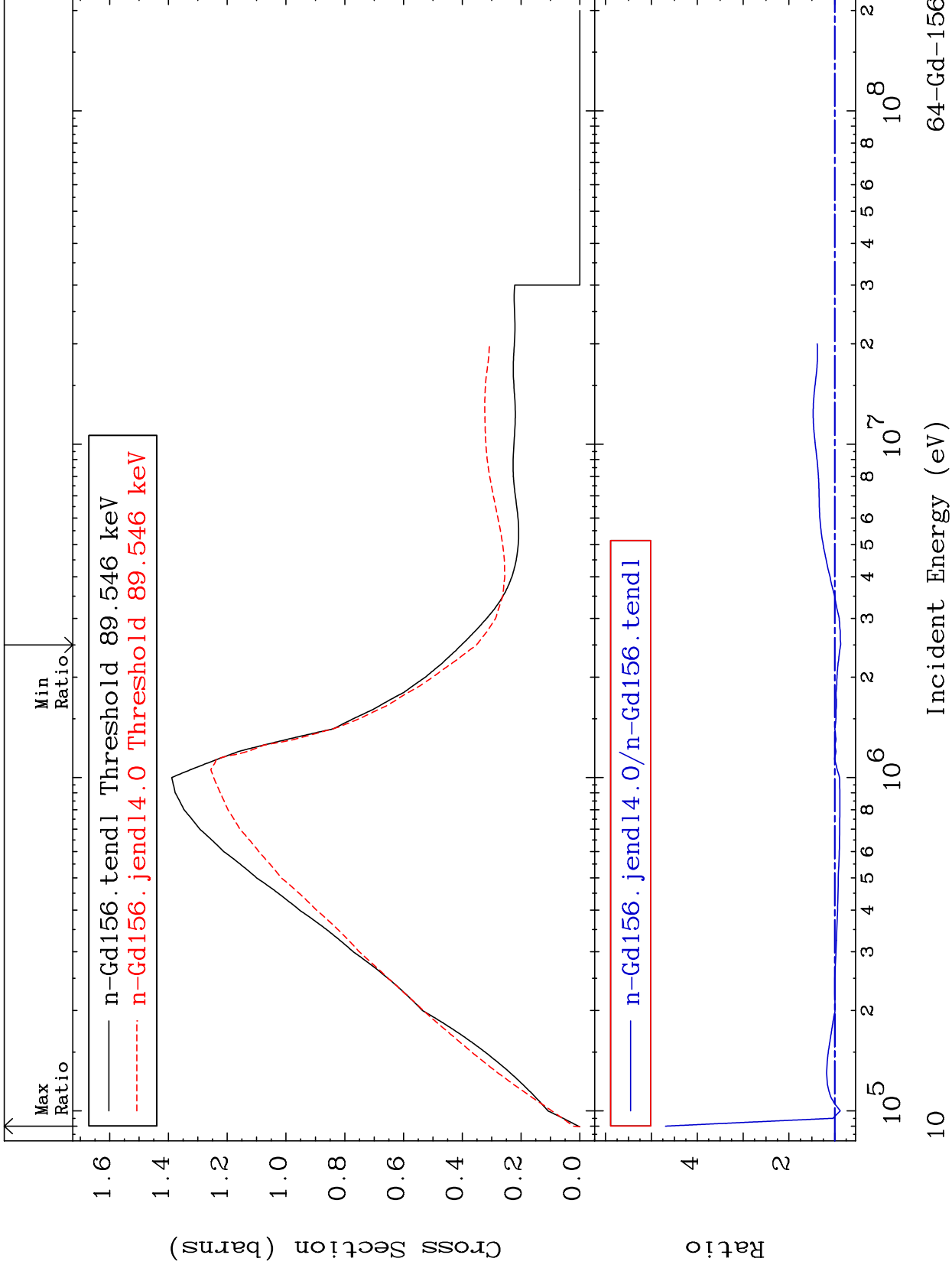
64-Gd-156  
-100.0 To 458.5 %



MAT 6437

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

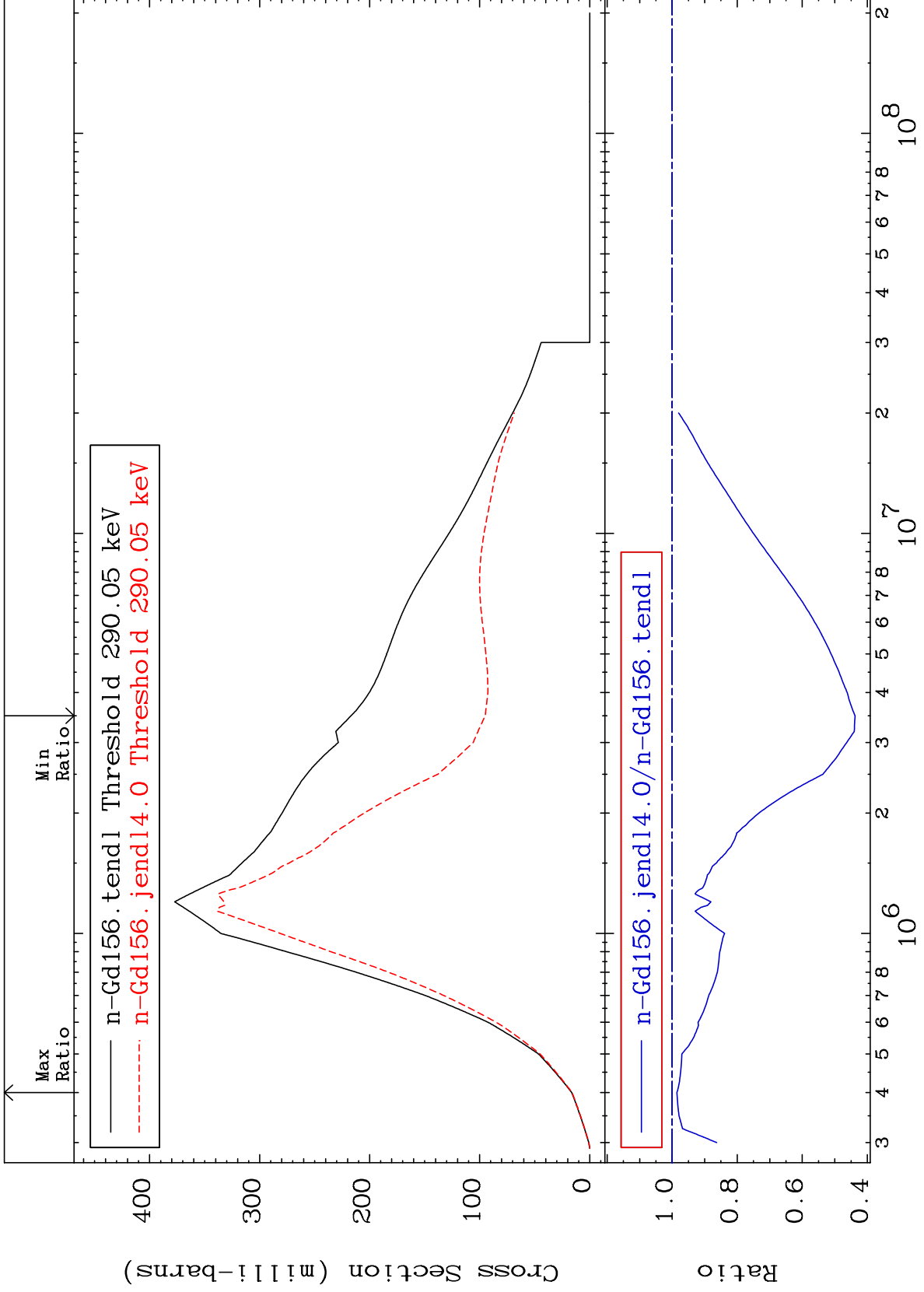
64-Gd-156  
-12.84 To 369.3 %



MAT 6437

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

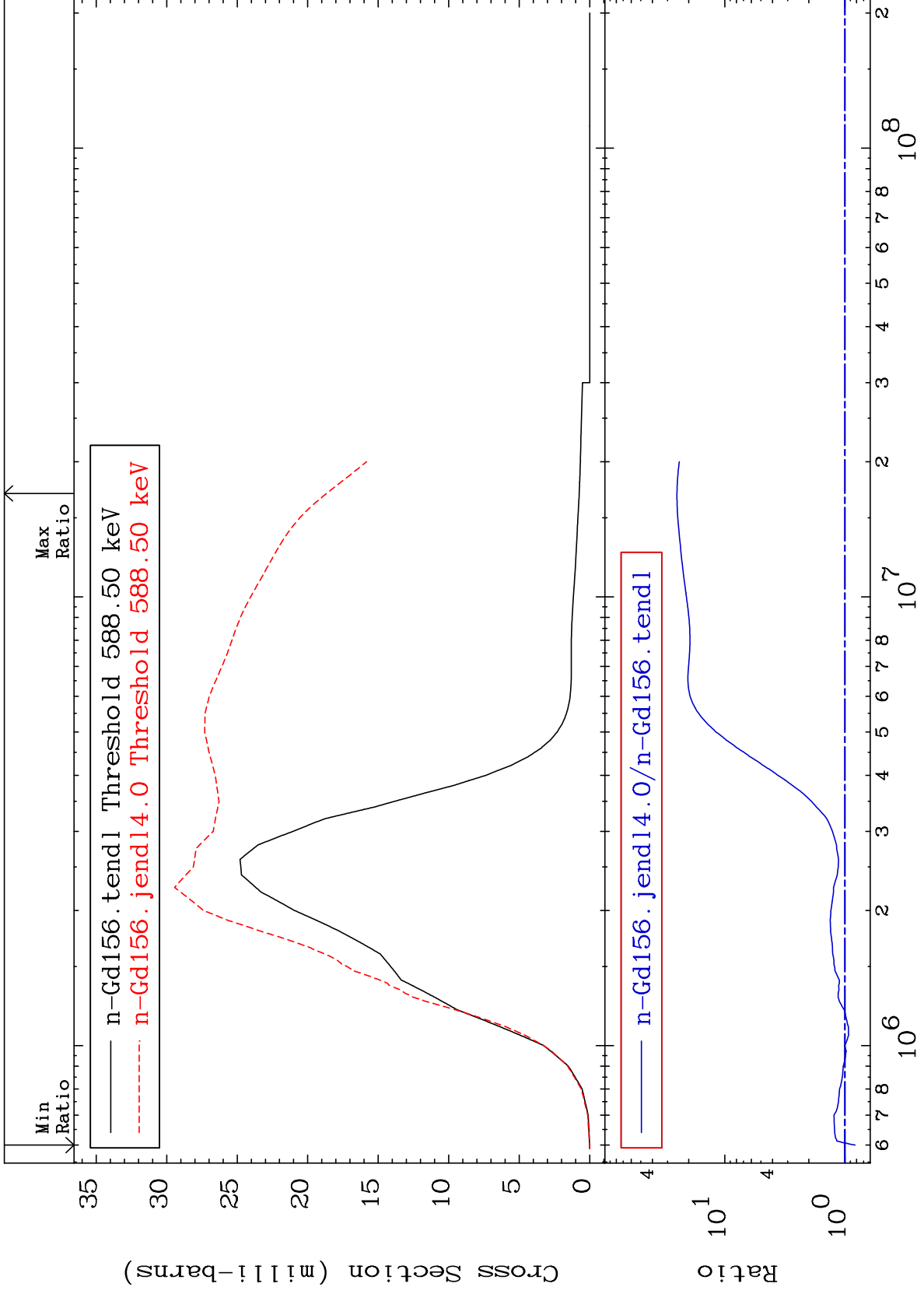
64-Gd-156  
-56.24 To -1.463%



MAT 6437

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

64-Gd-156  
-17.73 To 2402. %



12

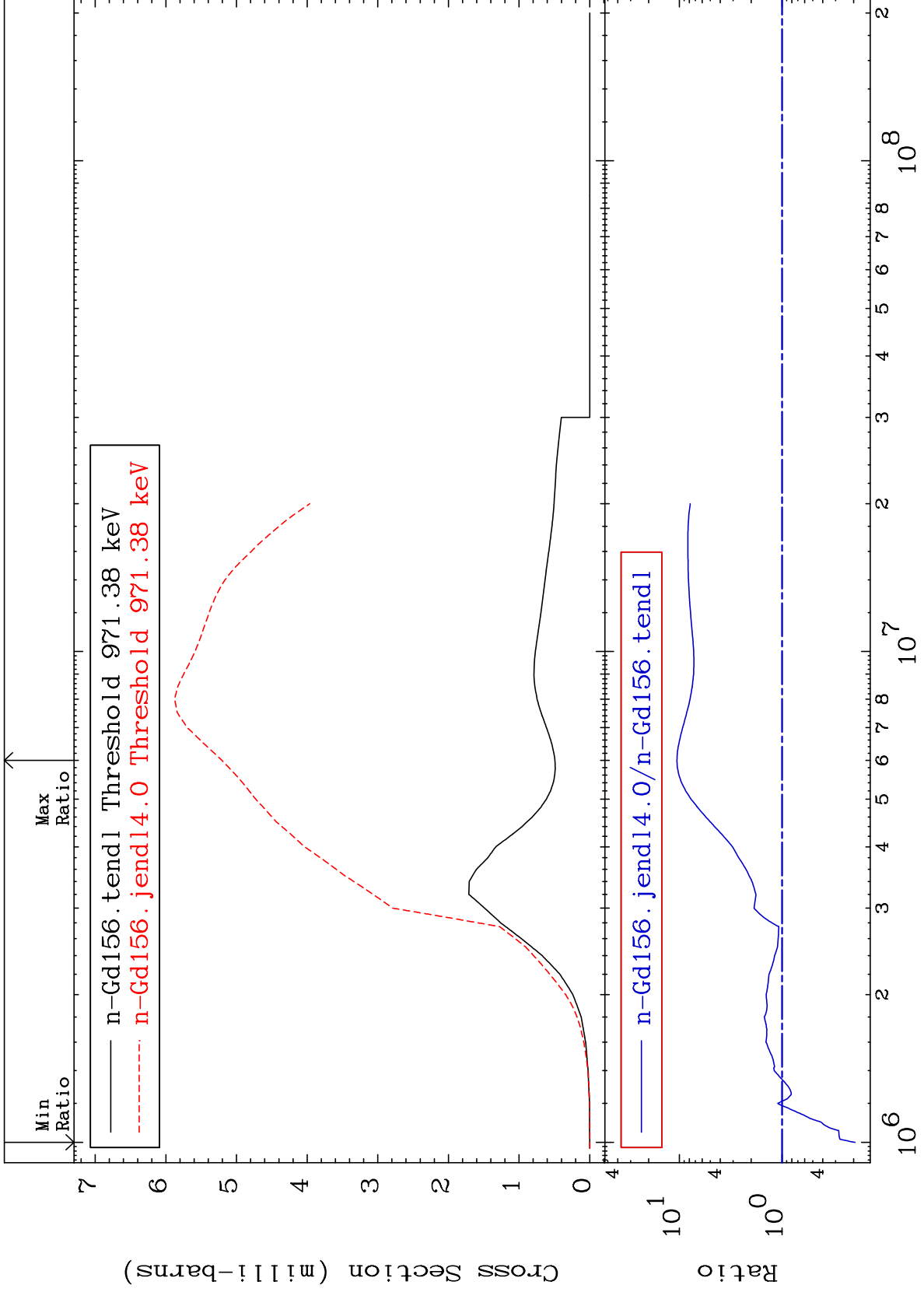
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-80.64 To 958.1 %



13

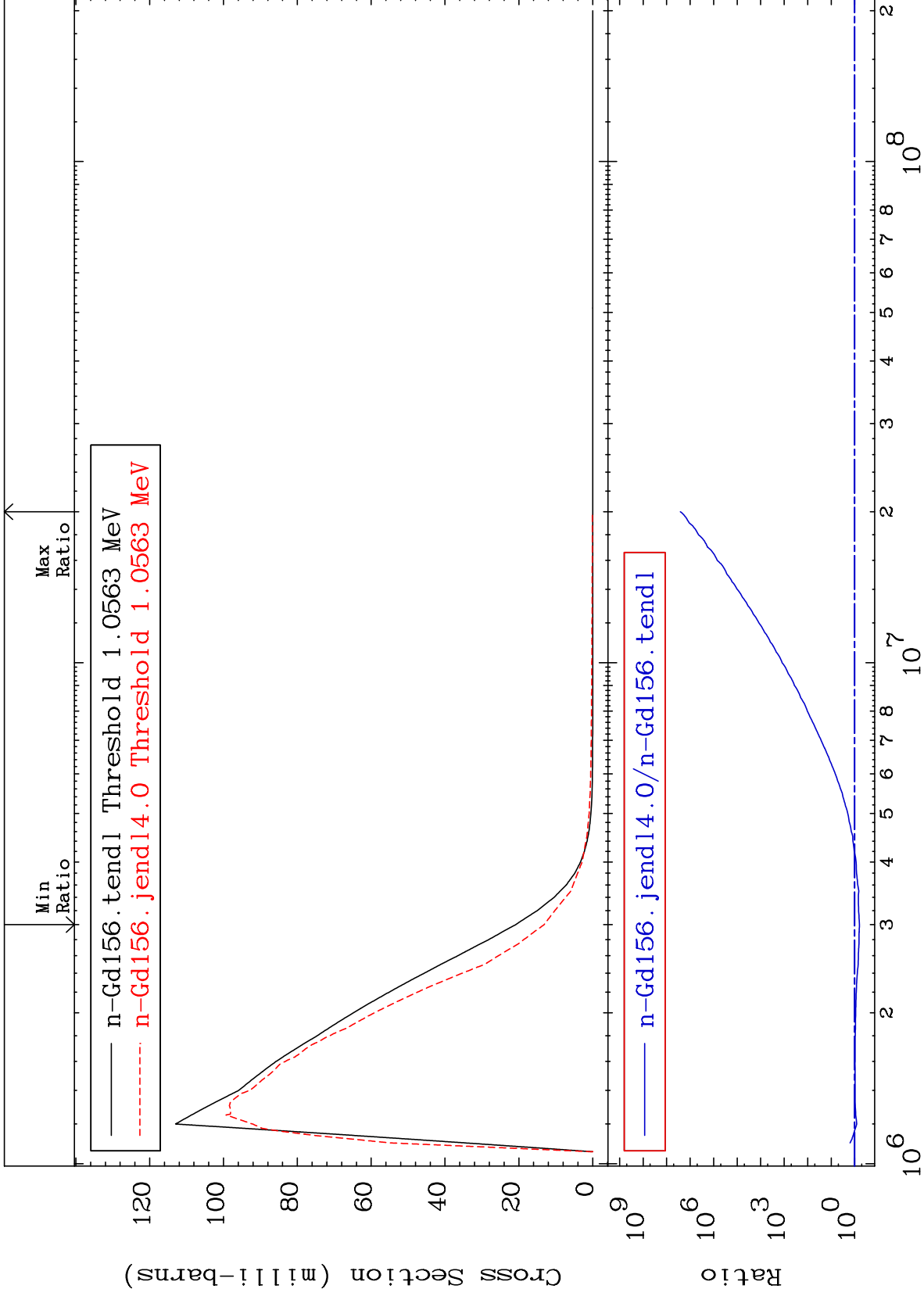
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-37.02 To 9999. %



14

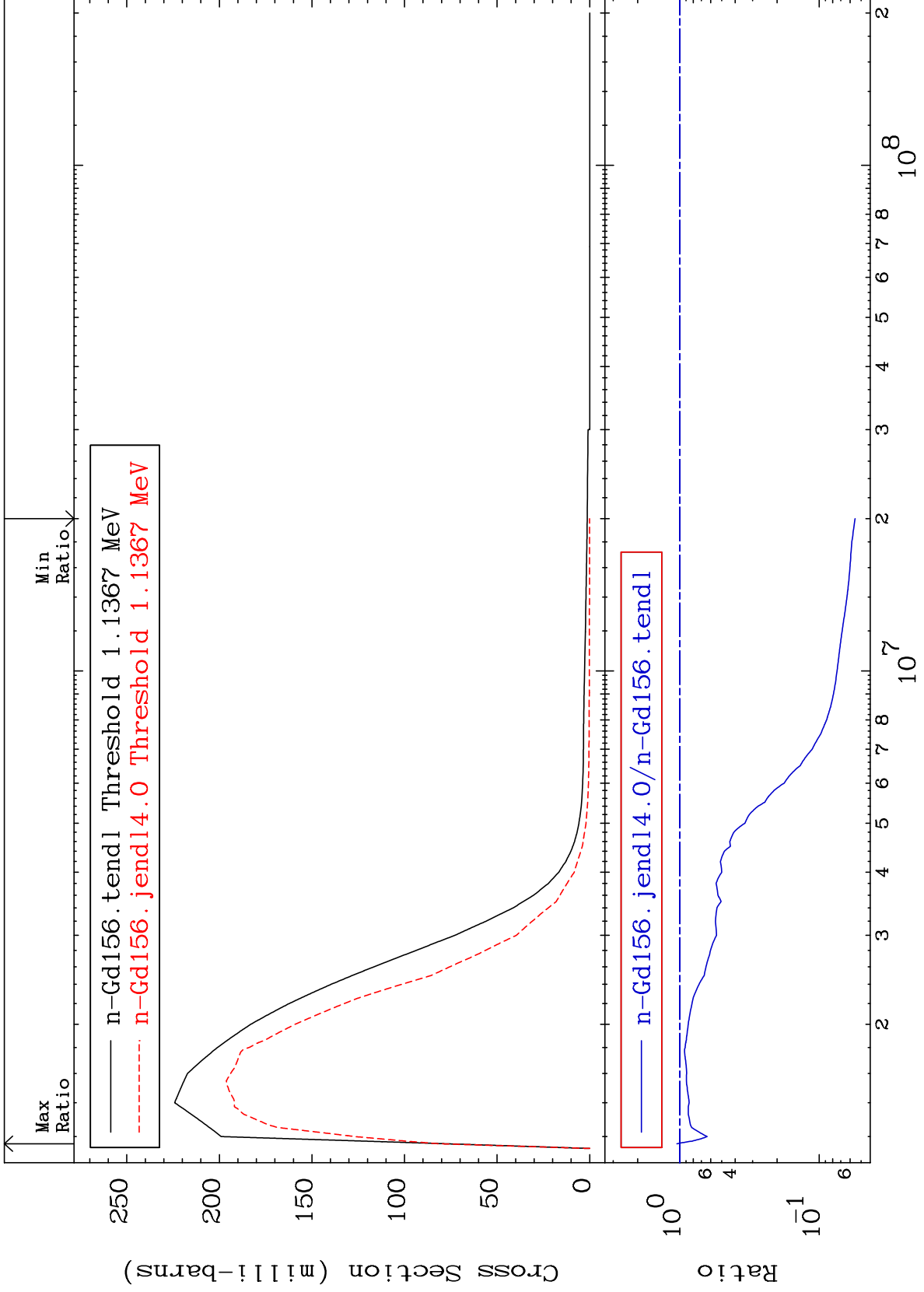
Incident Energy (eV)

64-Gd-156

MAT 6437

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

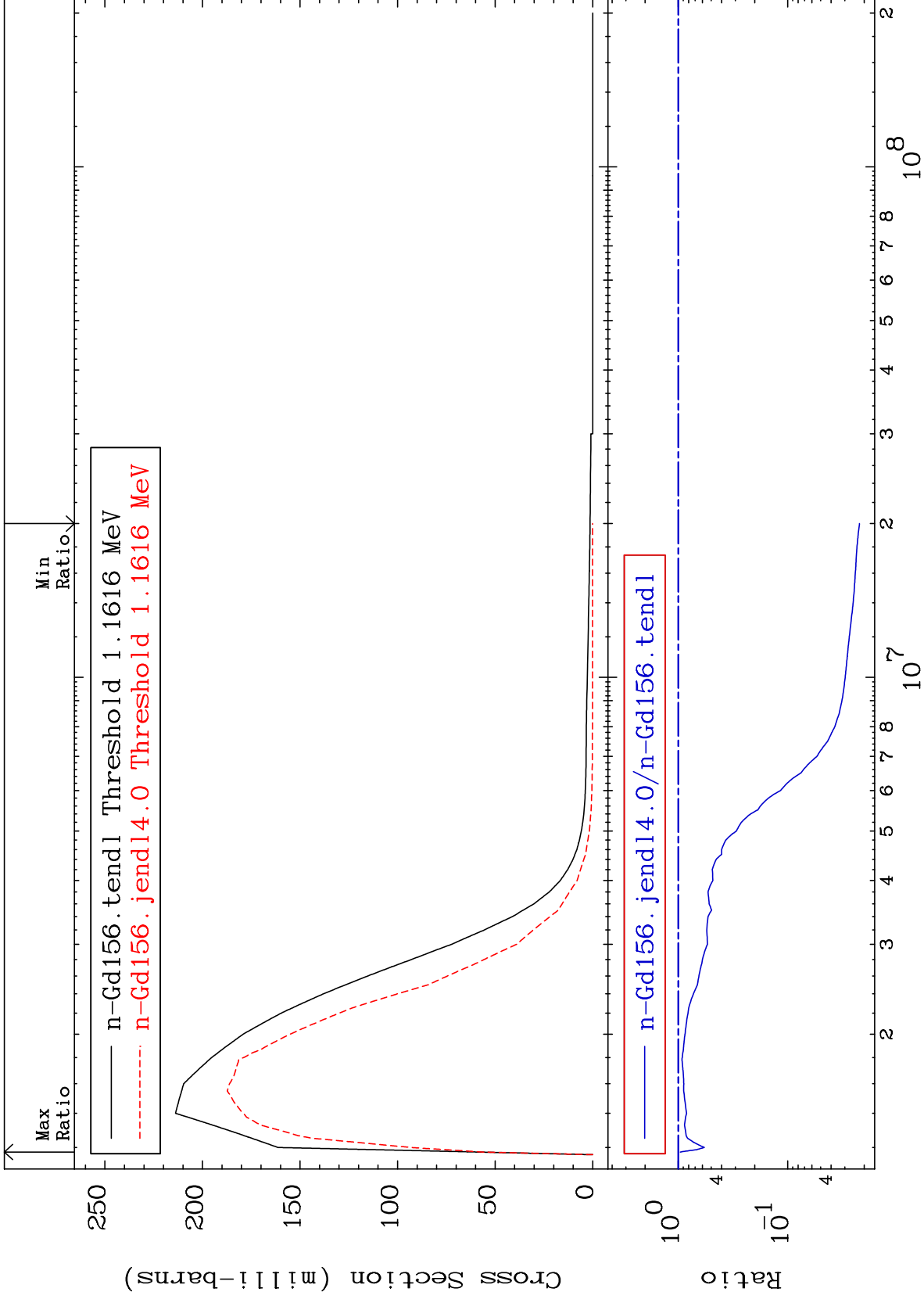
64-Gd-156  
-94.48 To 4.738 %



MAT 6437

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

64-Gd-156  
-97.79 To -4.576%

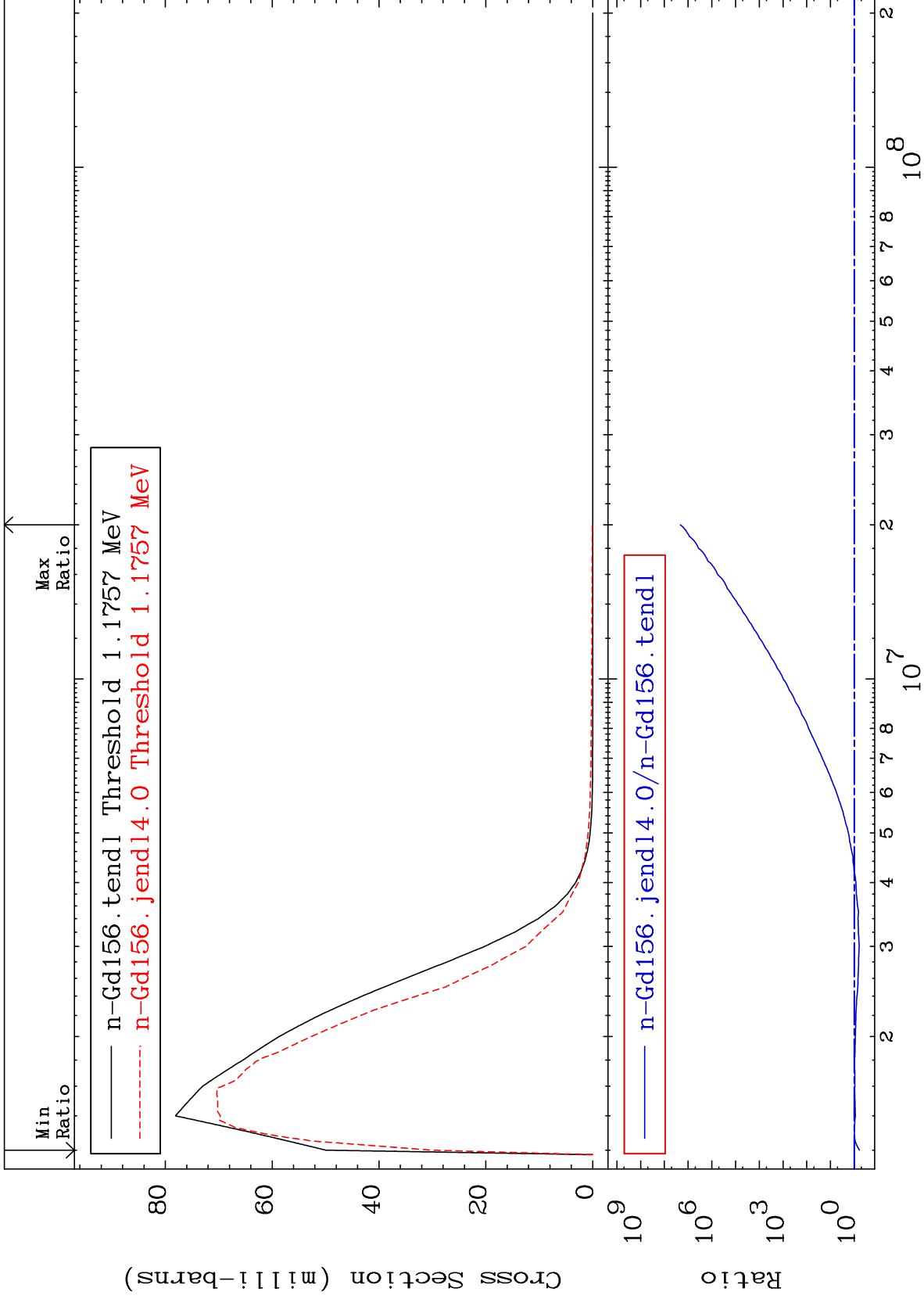




MAT 6437

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

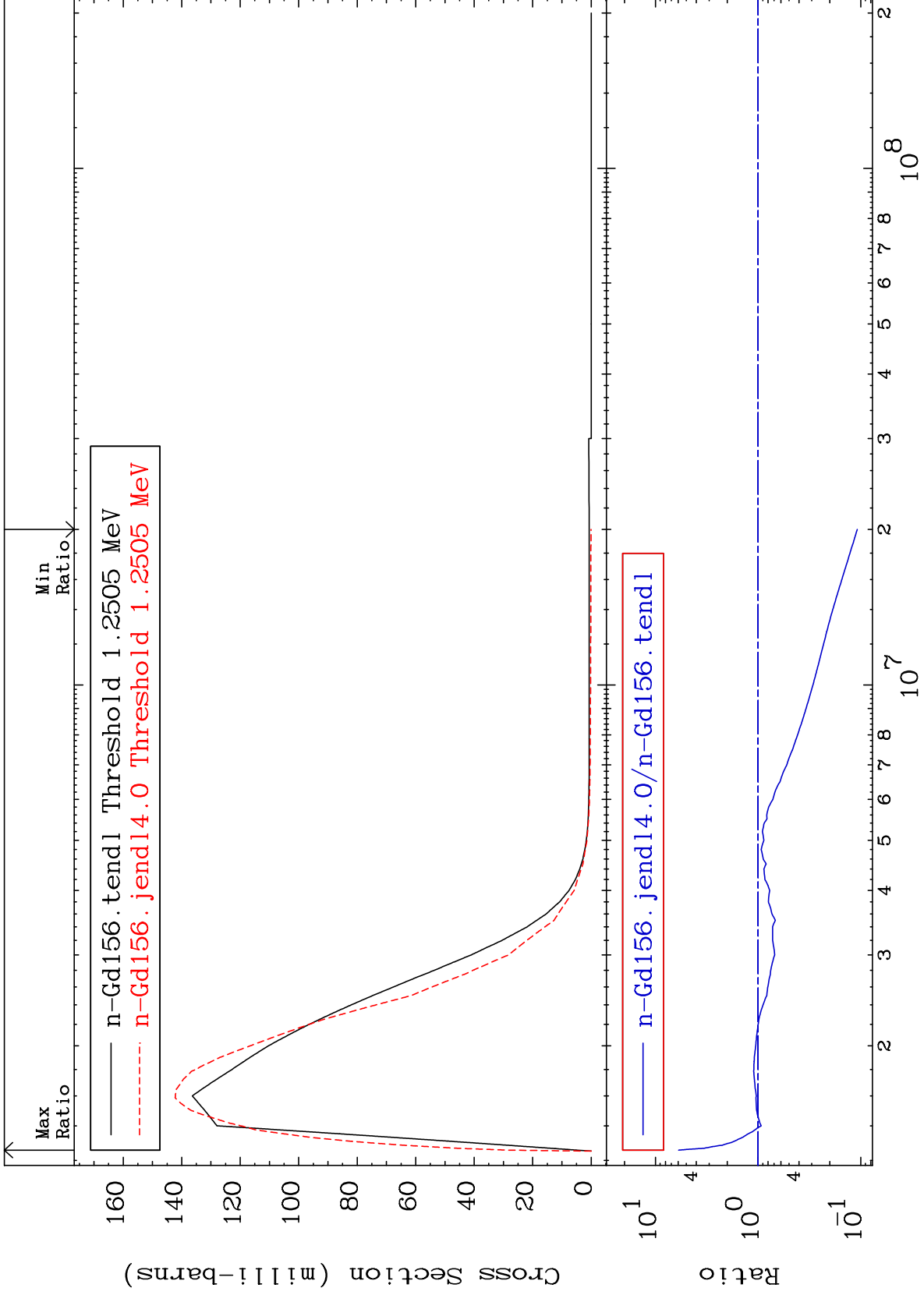
64-Gd-156  
-39.69 To 9999. %



MAT 6437

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

64-Gd-156  
-89.18 To 494.8 %



18

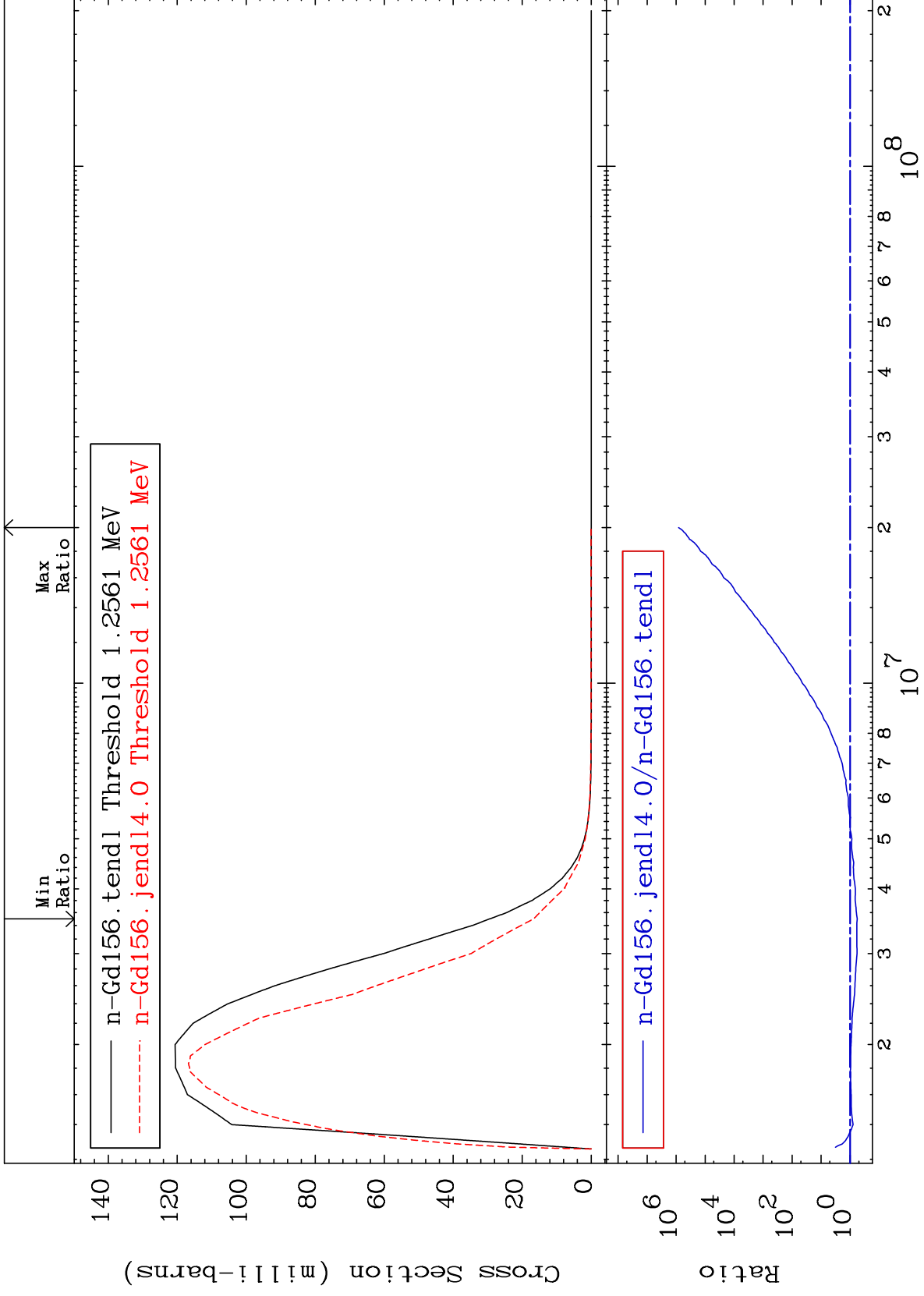
Incident Energy (eV)

64-Gd-156

MAT 6437

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

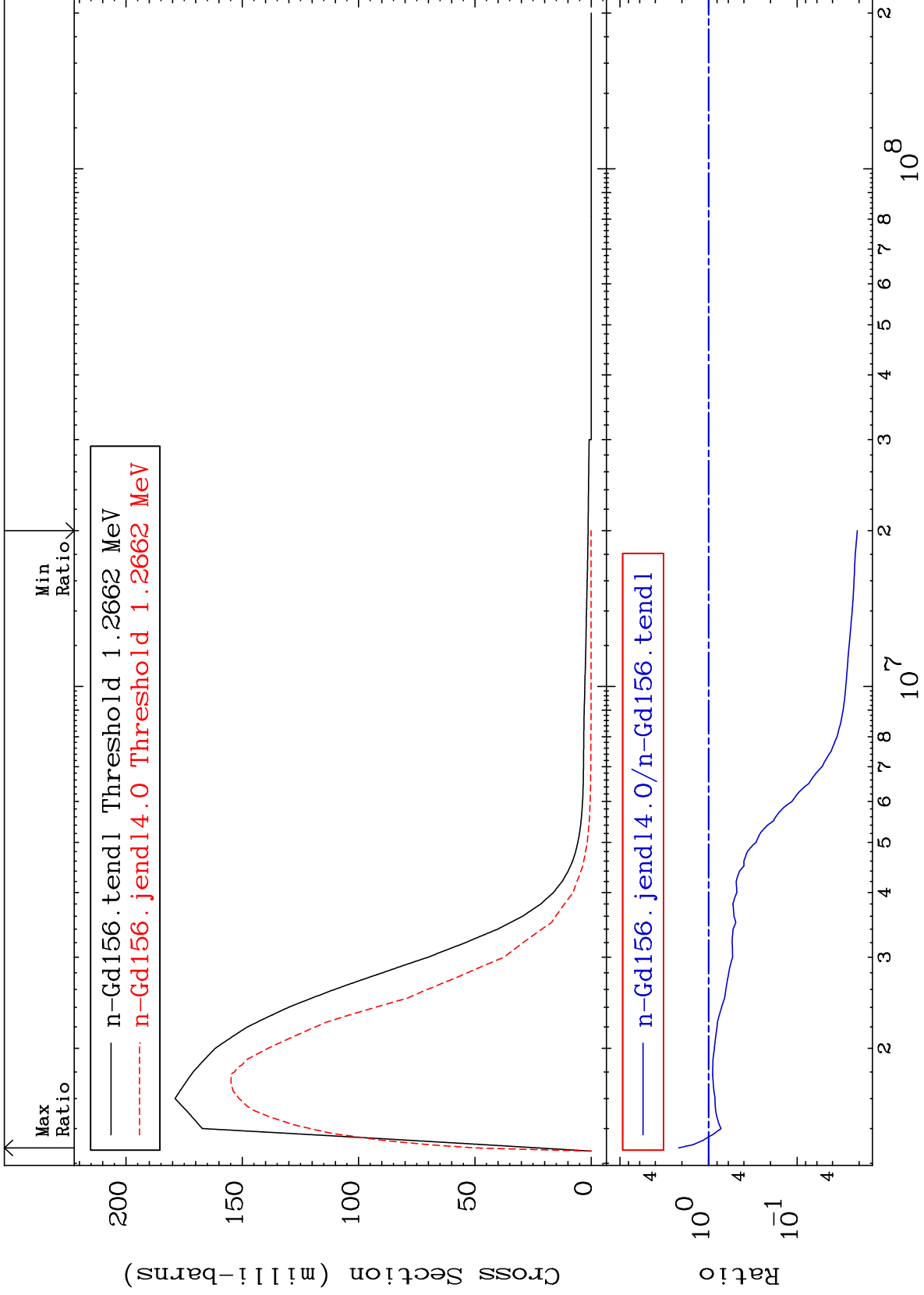
64-Gd-156  
-43.33 To 9999. %



MAT 6437

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

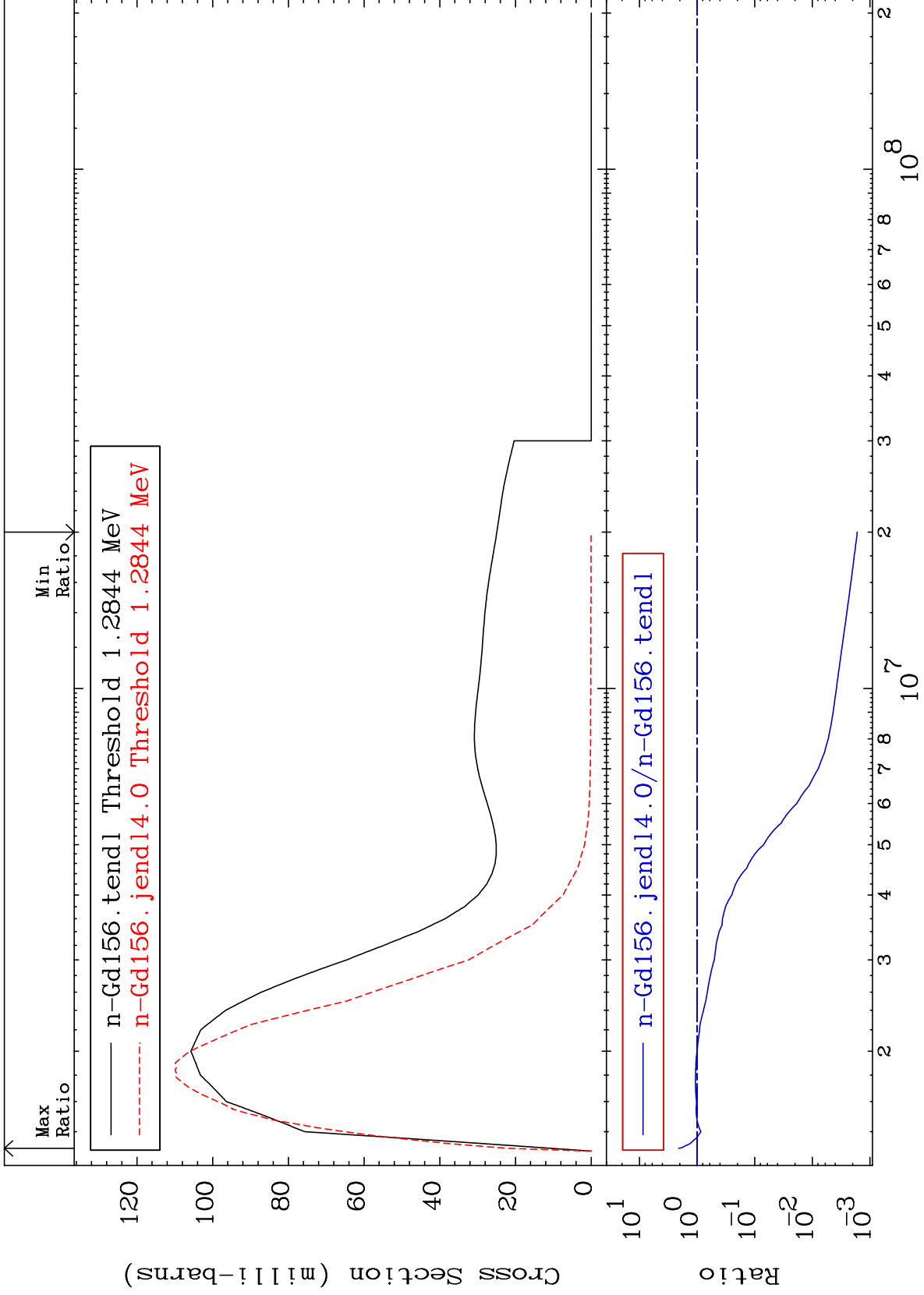
64-Gd-156  
-97.90 To 117.7 %



MAT 6437

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

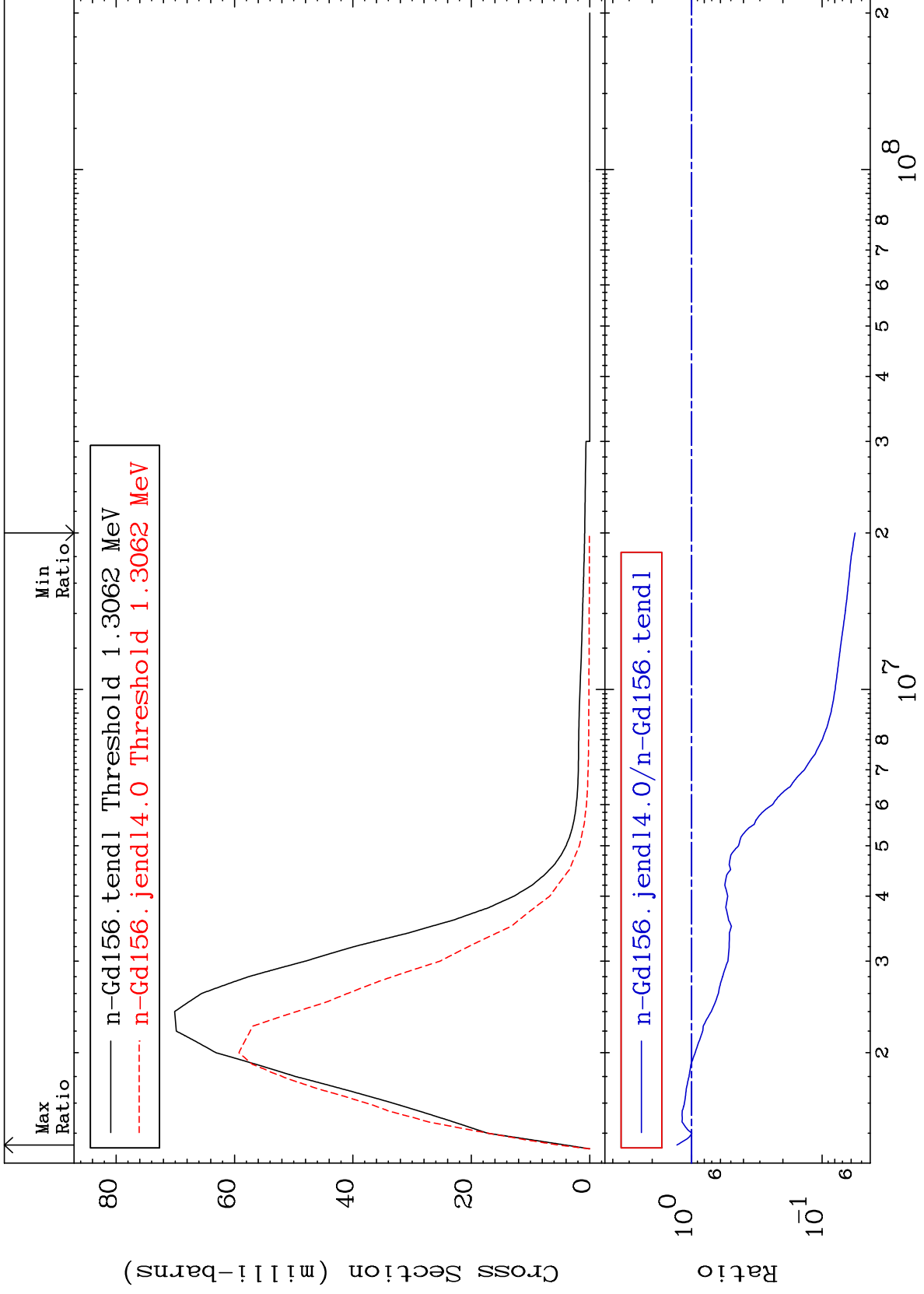
64-Gd-156  
-99.83 To 109.0 %



MAT 6437

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

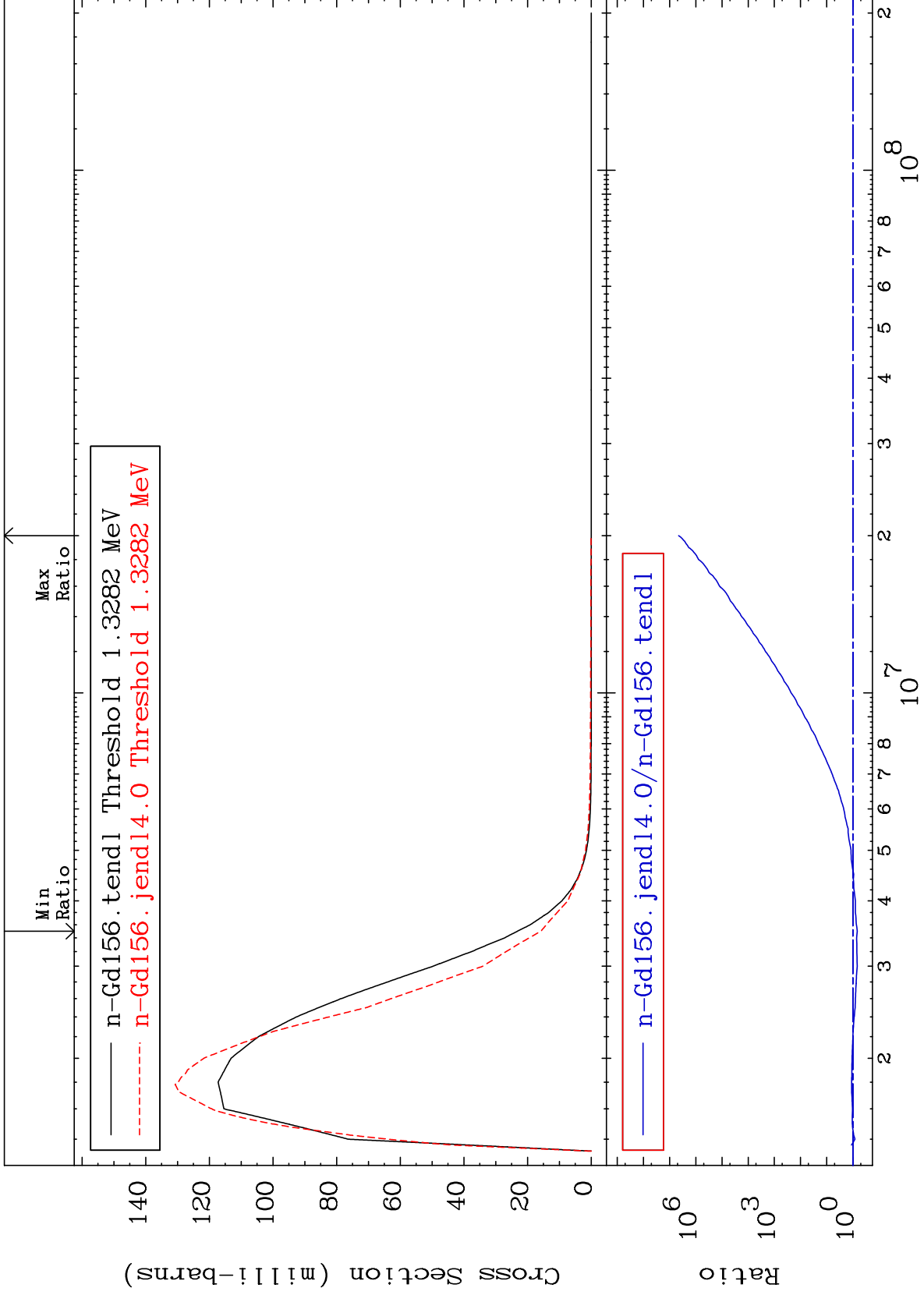
64-Gd-156  
-94.40 To 29.32 %



MAT 6437

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

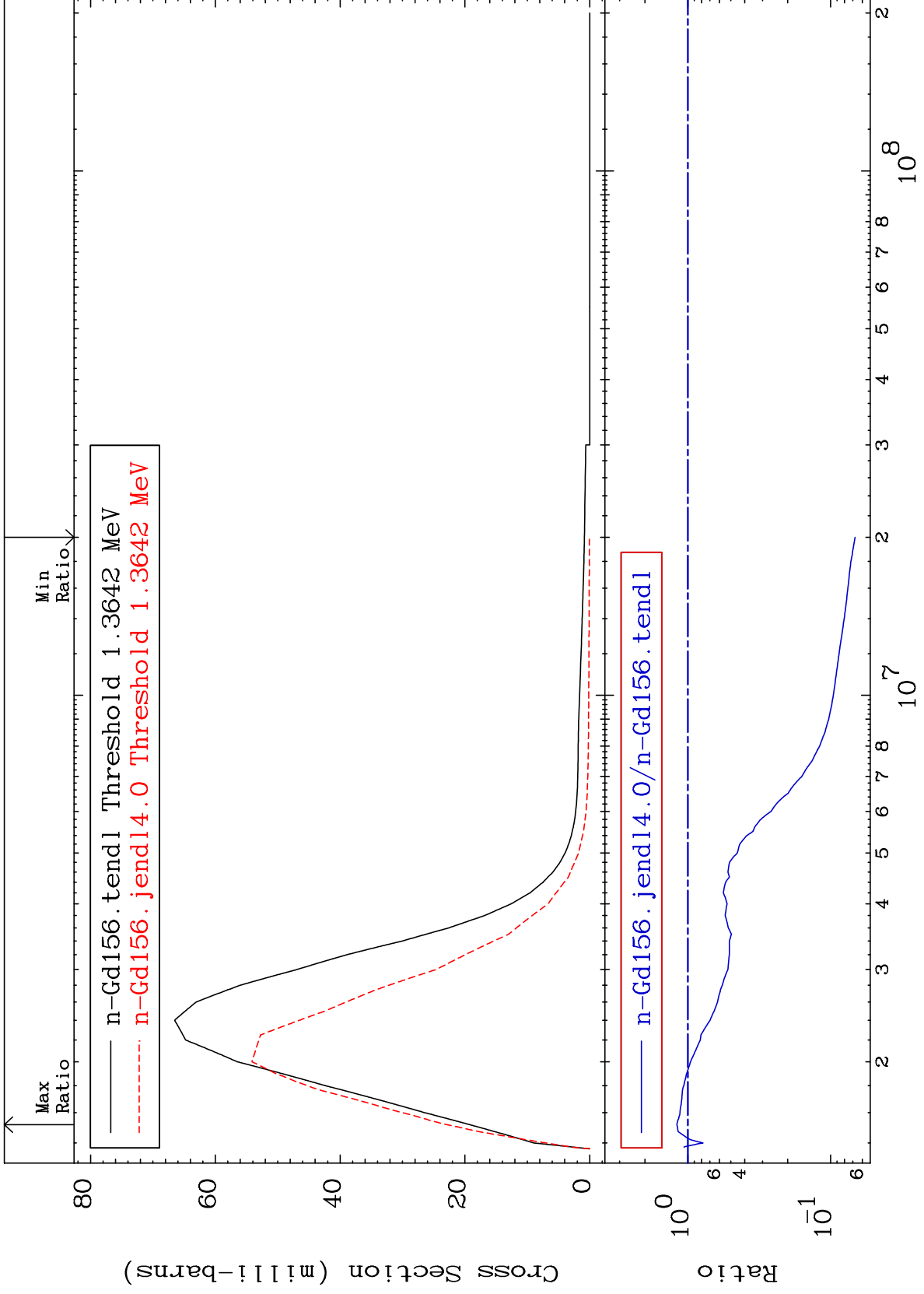
64-Gd-156  
-31.87 To 9999. %



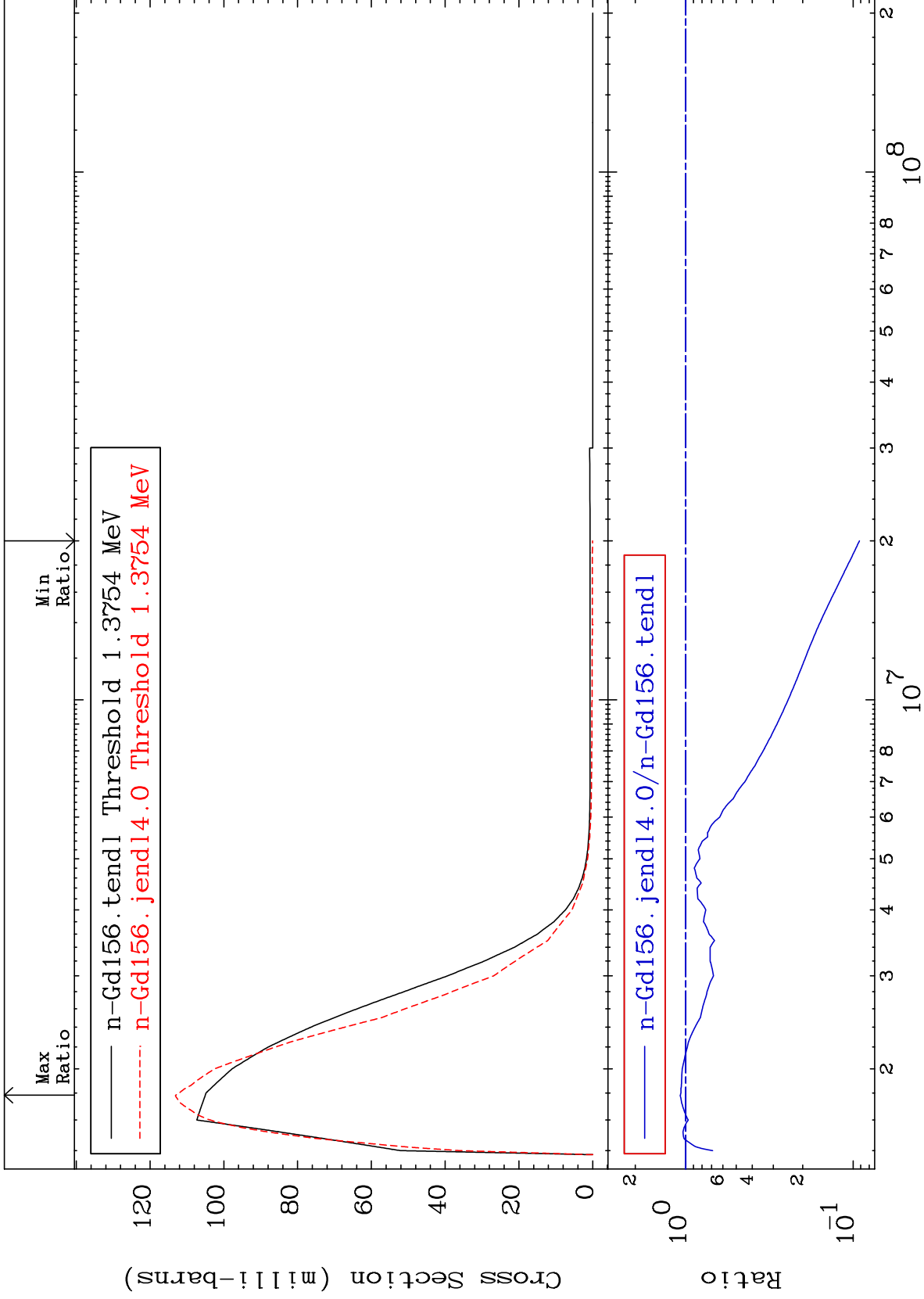
MAT 6437

MT= 65 (n,n') Level  
Cross Section

64-Gd-156  
-93.26 To 19.24 %



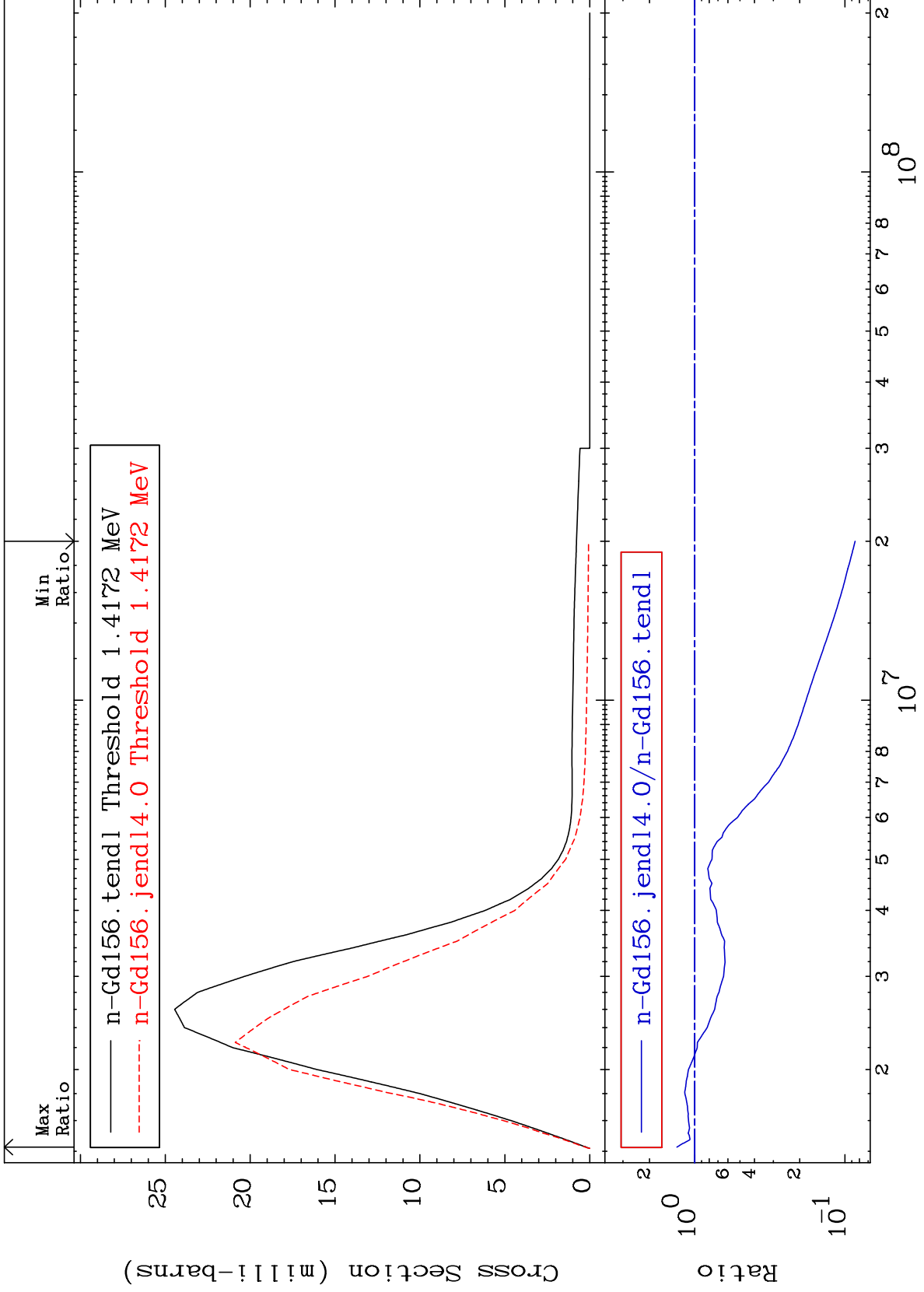


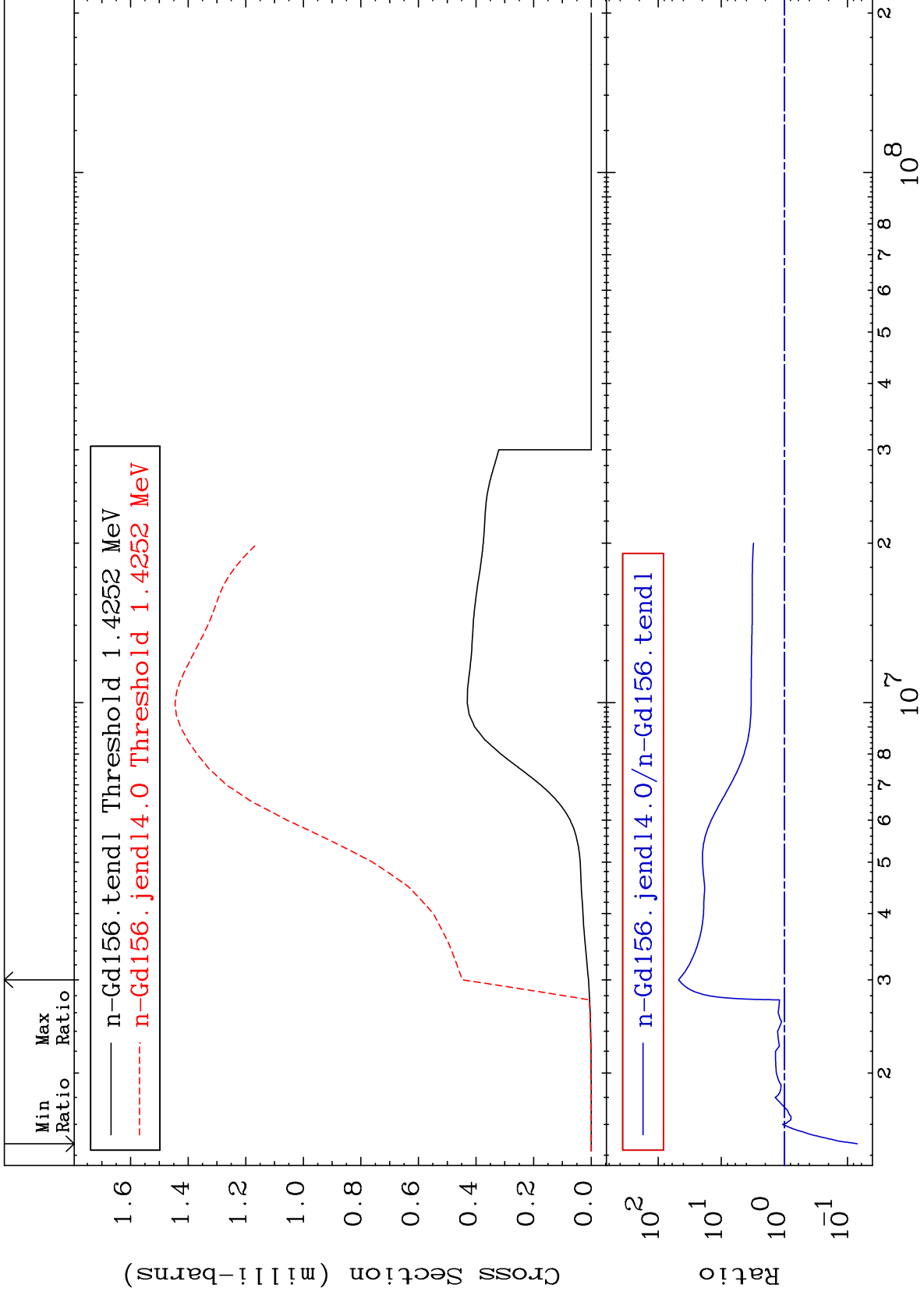


MAT 6437

MT= 67 (n, n') Level  
Cross Section

64-Gd-156  
-91.44 To 31.28 %

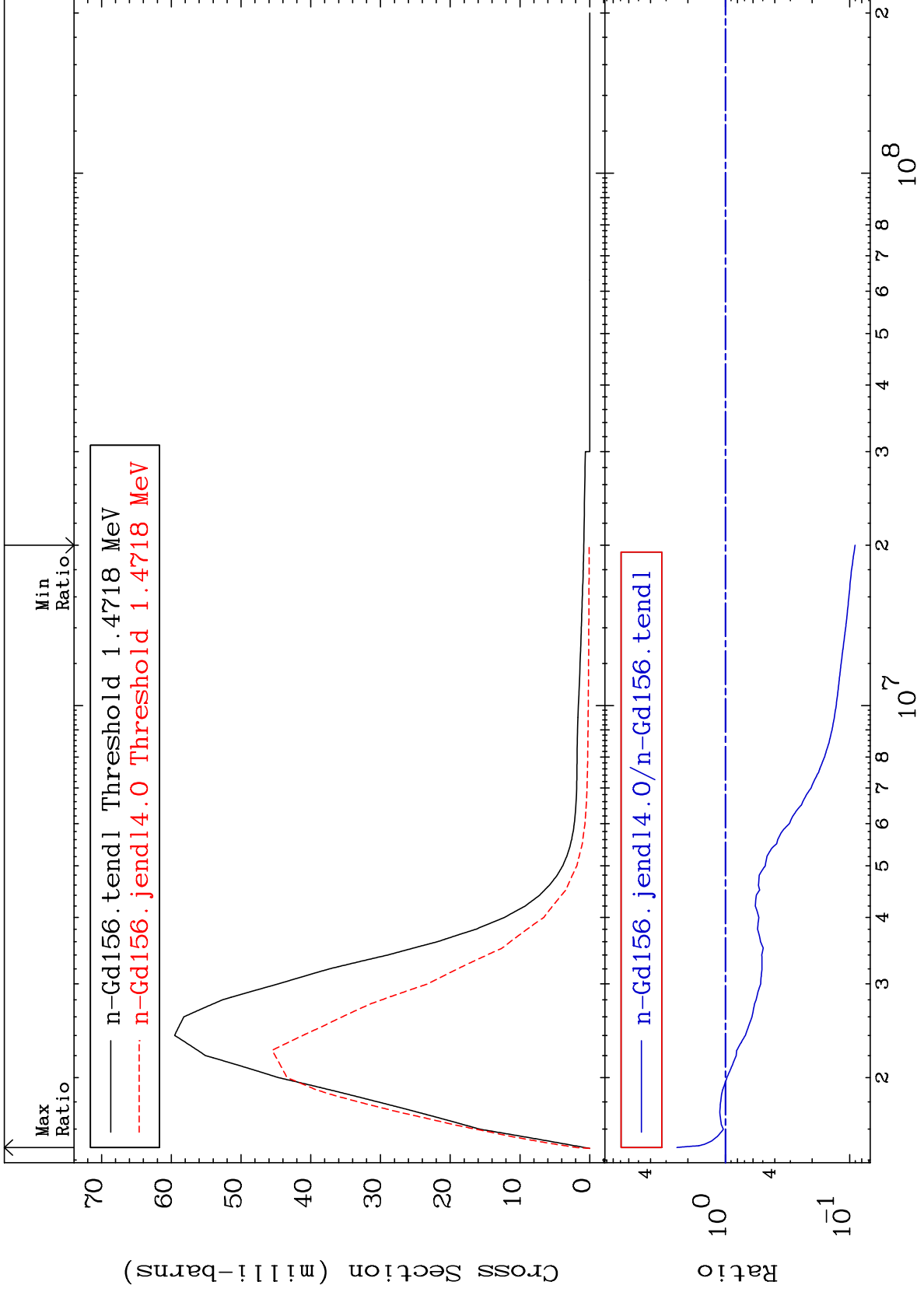




MAT 6437

MT= 69 (n,n') Level  
Cross Section

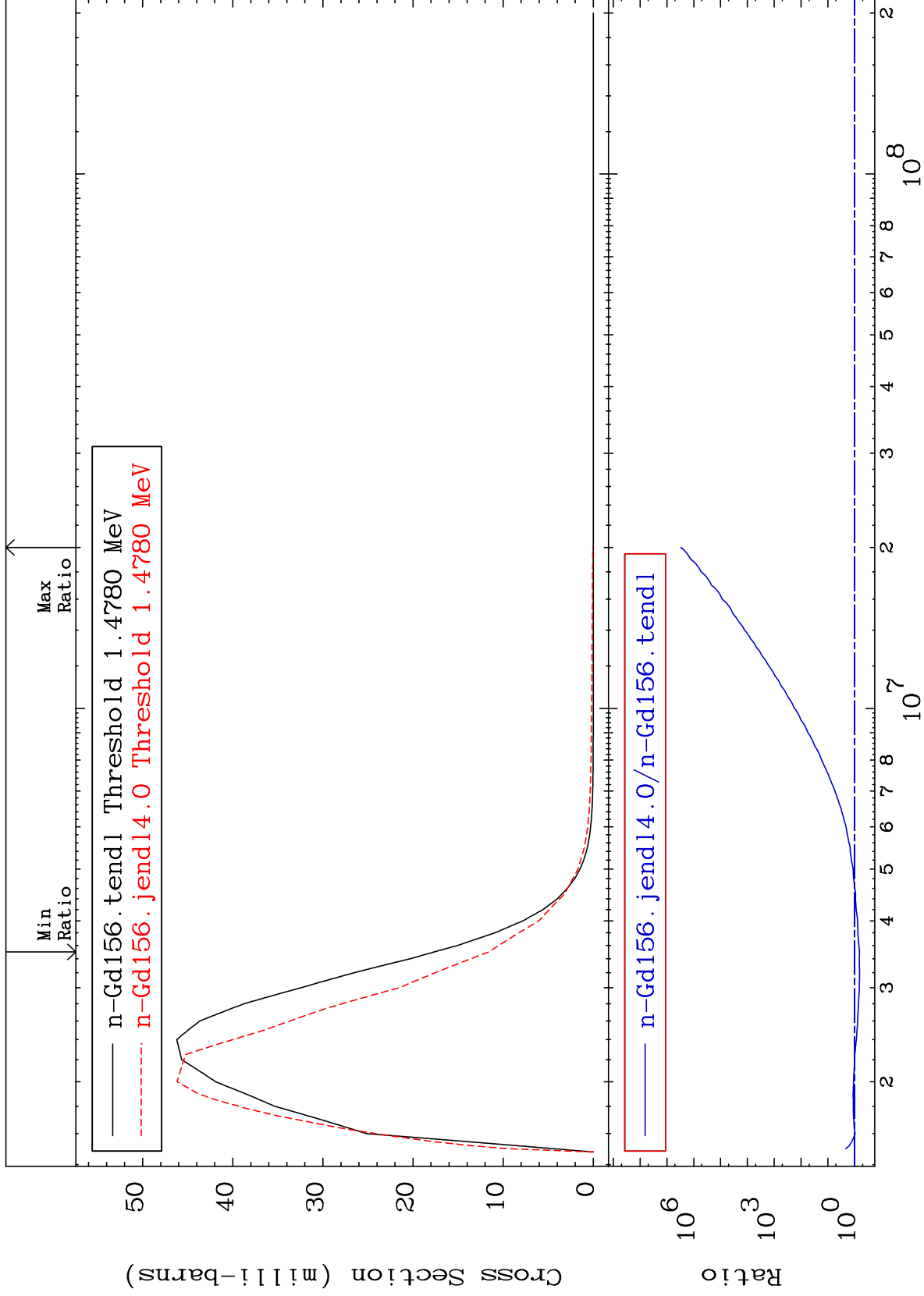
64-Gd-156  
-90.97 To 145.4 %



MAT 6437

MT= 70 (n,n') Level  
Cross Section

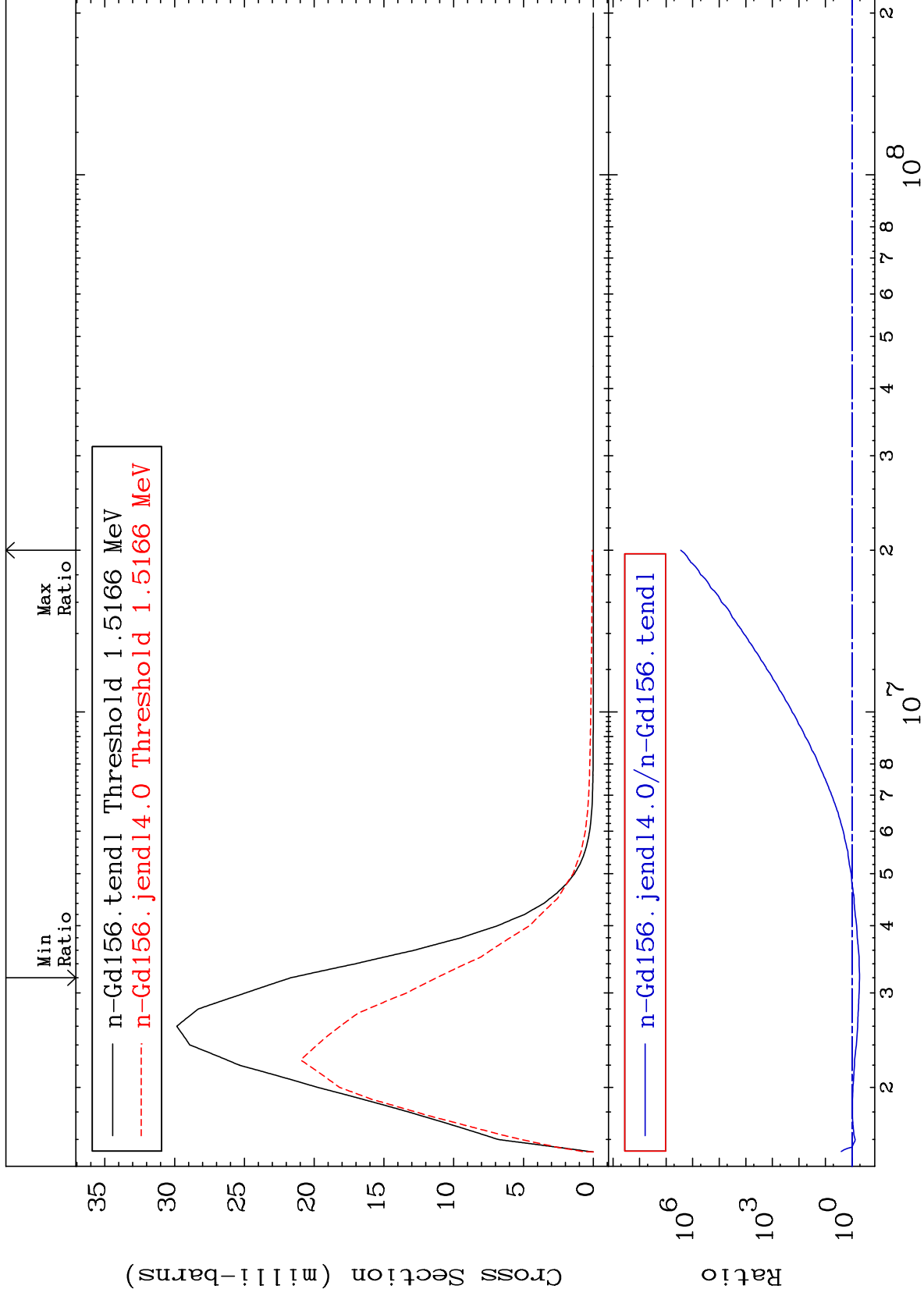
64-Gd-156  
-34.35 To 9999. %



MAT 6437

MT= 71 (n,n') Level  
Cross Section

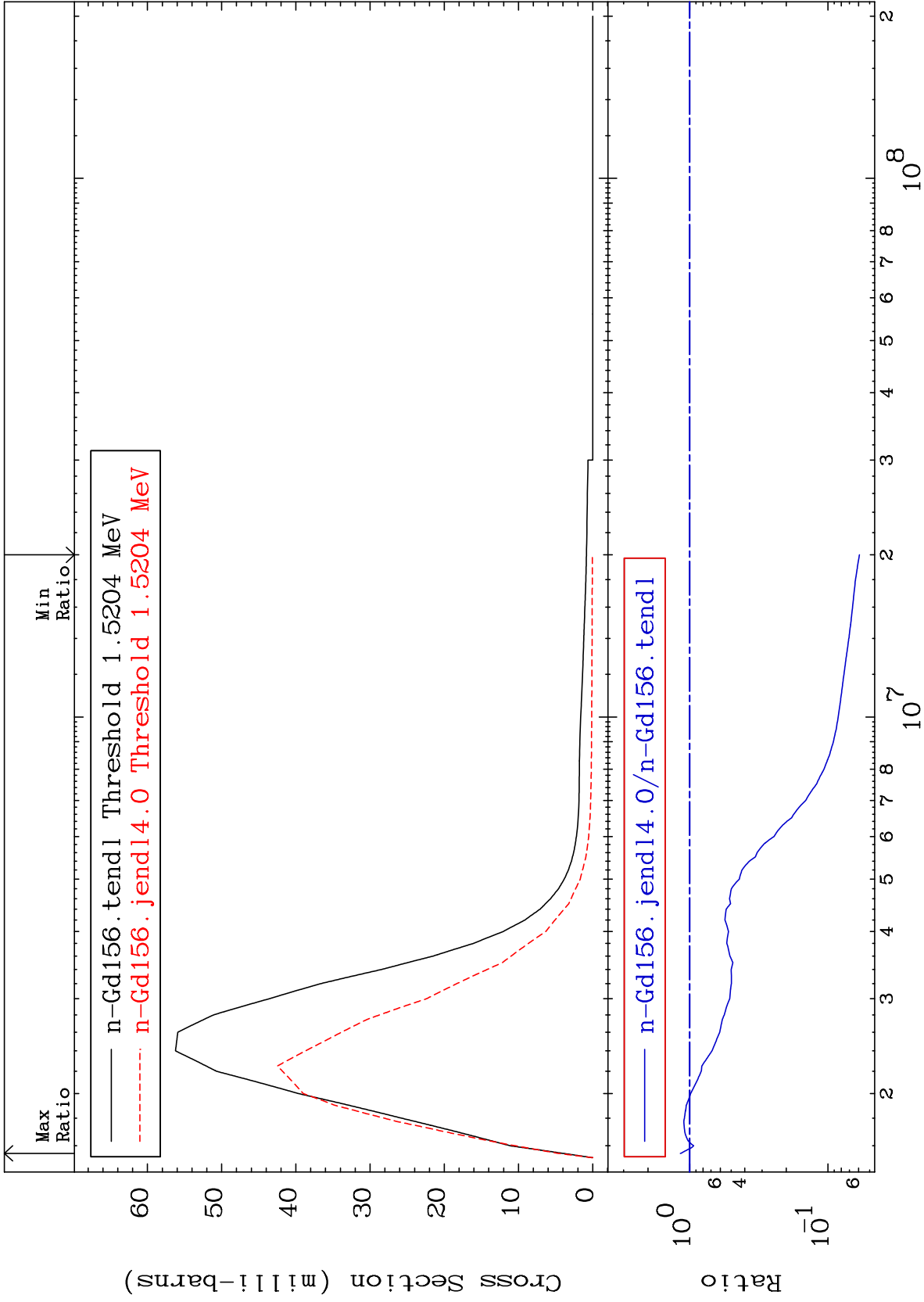
64-Gd-156  
-48.18 To 9999. %



30

Incident Energy (eV)

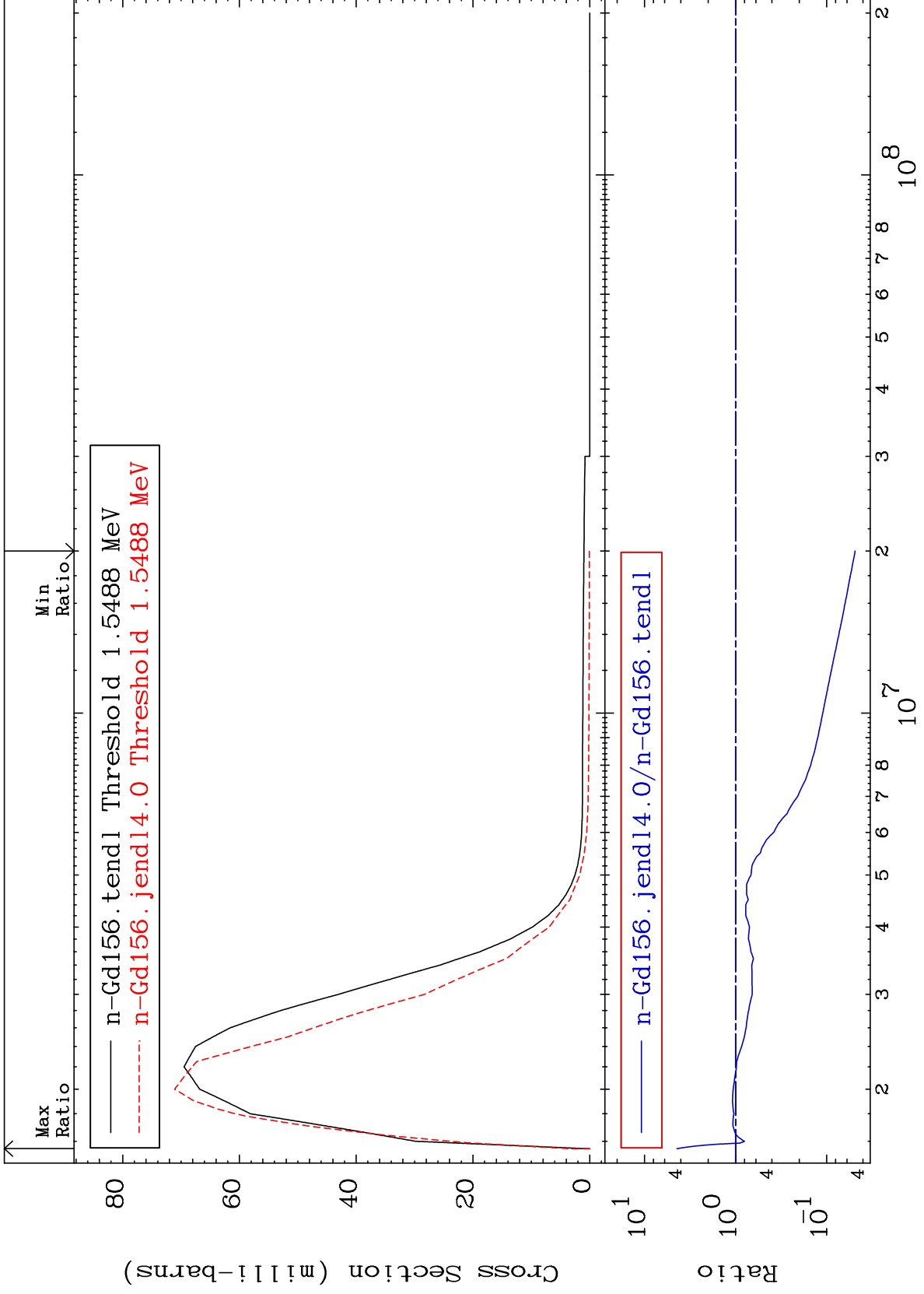
64-Gd-156



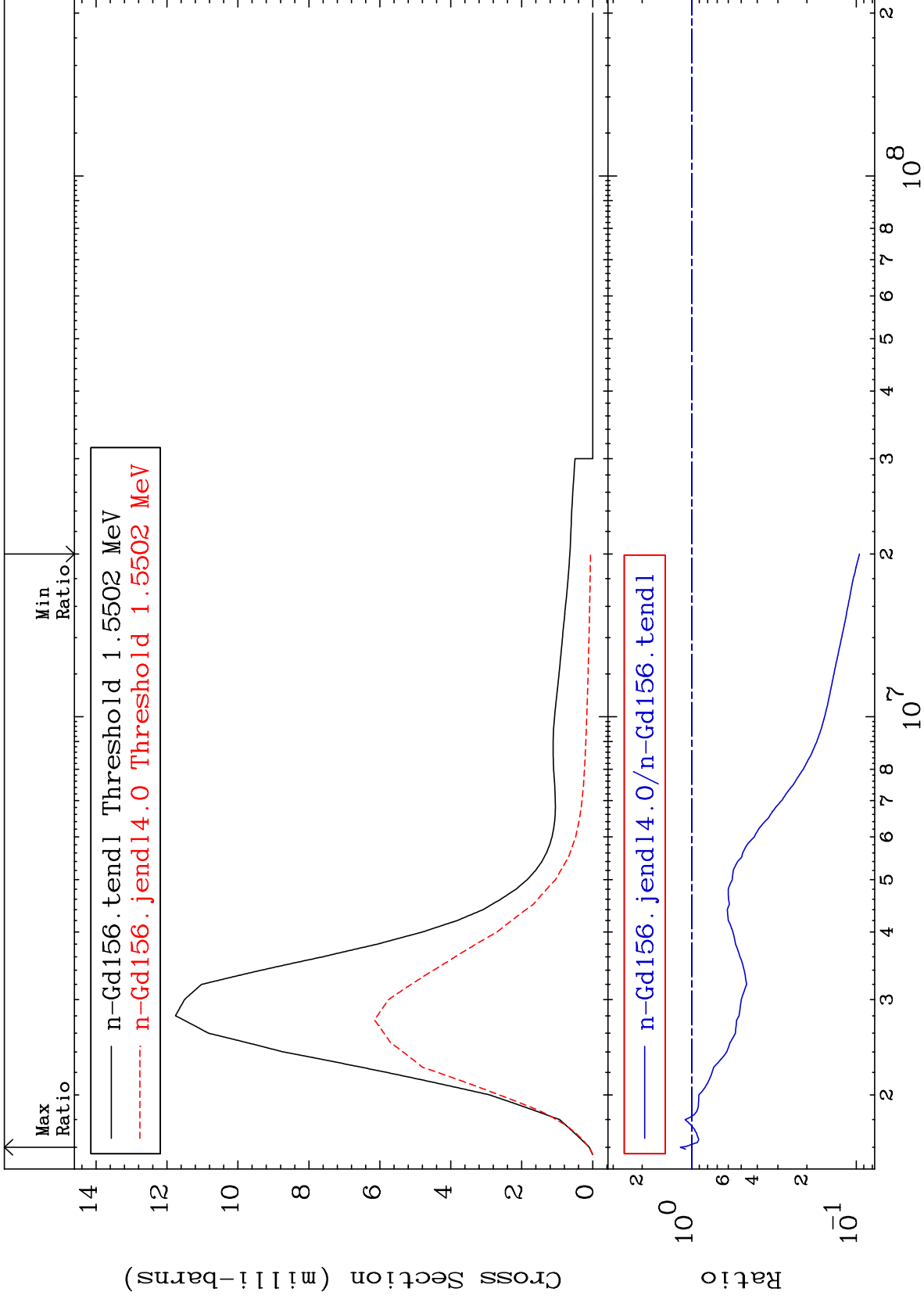
MAT 6437

MT= 73 (n,n') Level  
Cross Section

64-Gd-156  
-95.12 To 340.9 %



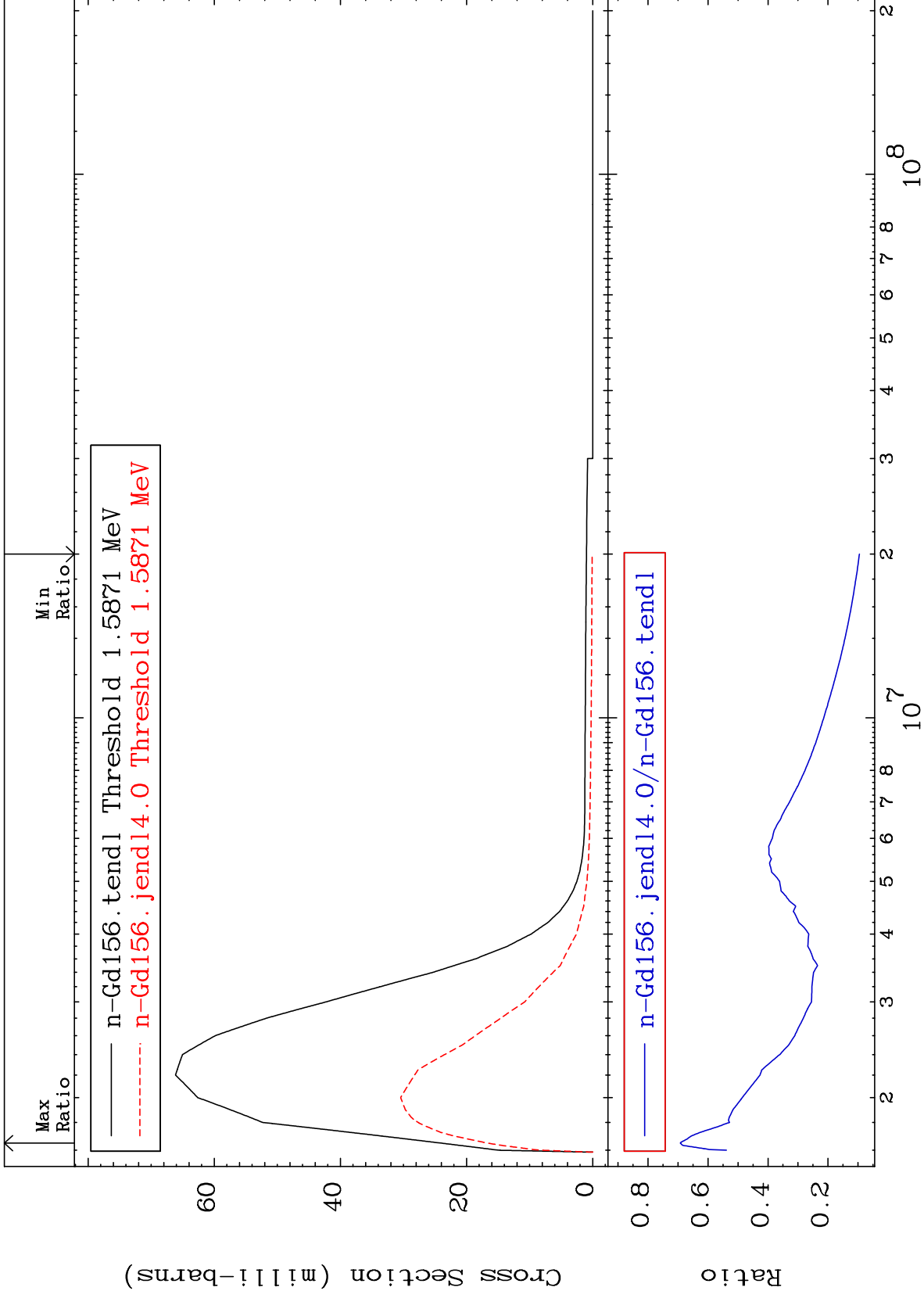


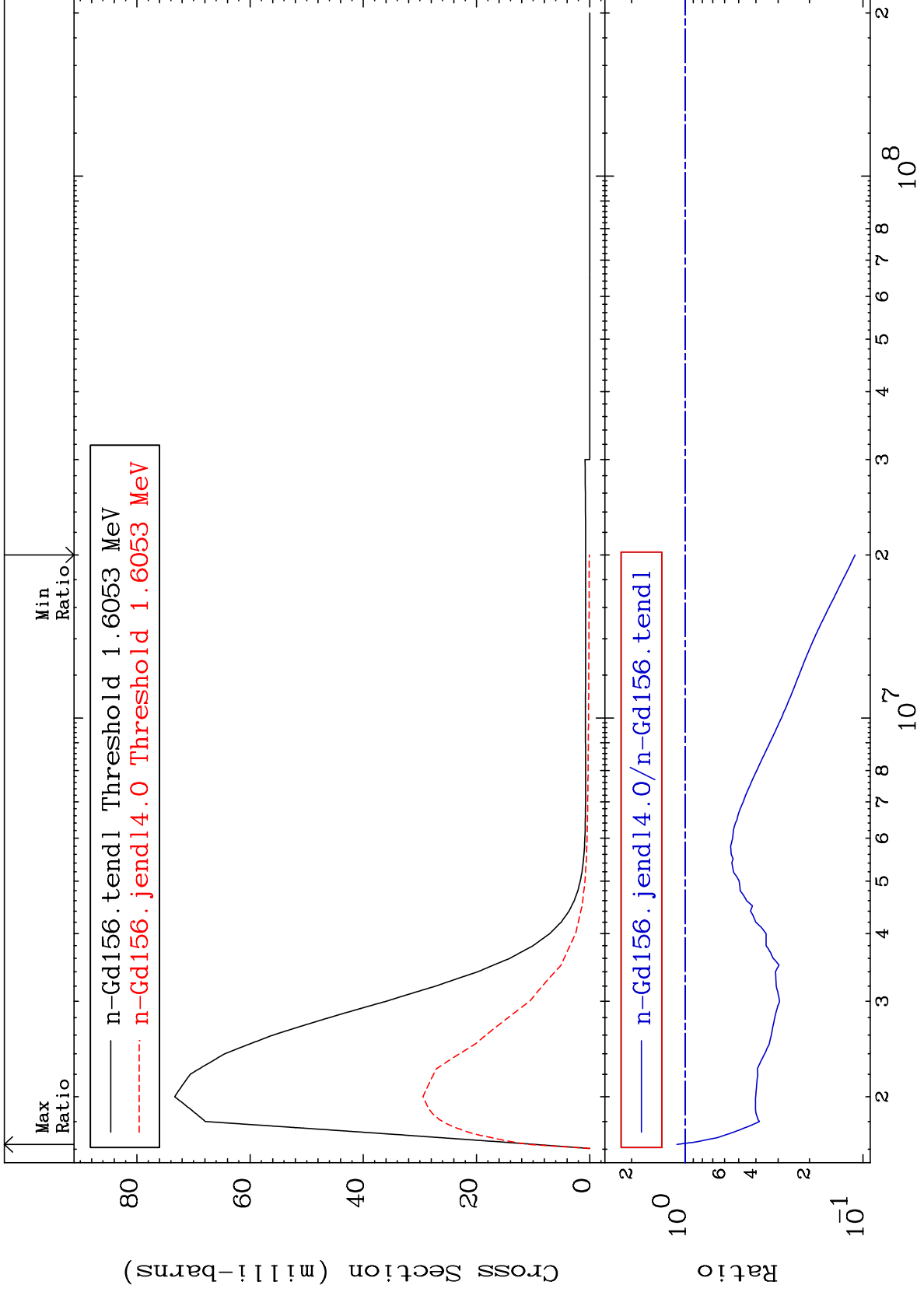


MAT 6437

MT= 75 (n,n') Level  
Cross Section

64-Gd-156  
-90.49 To -30.77%

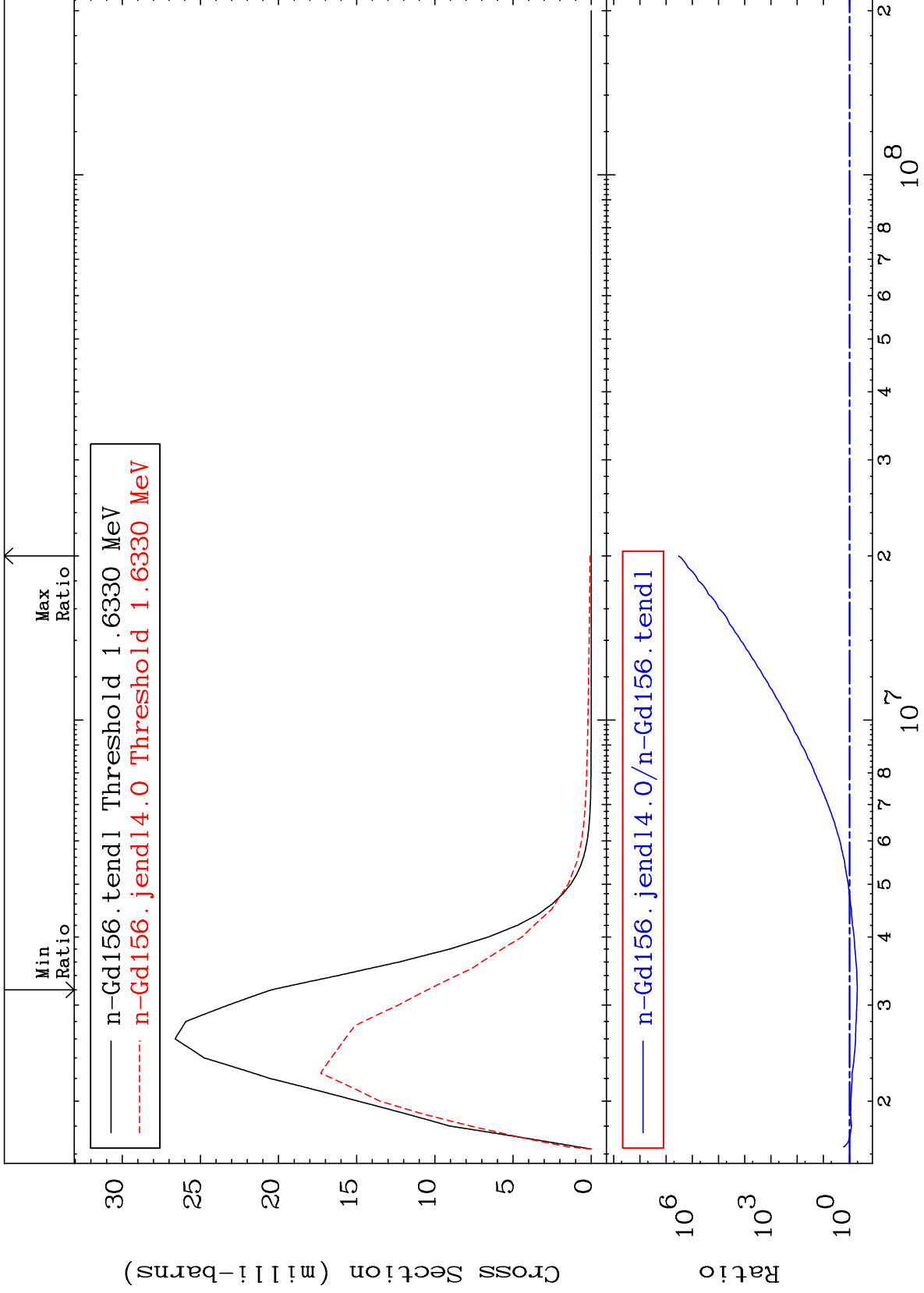


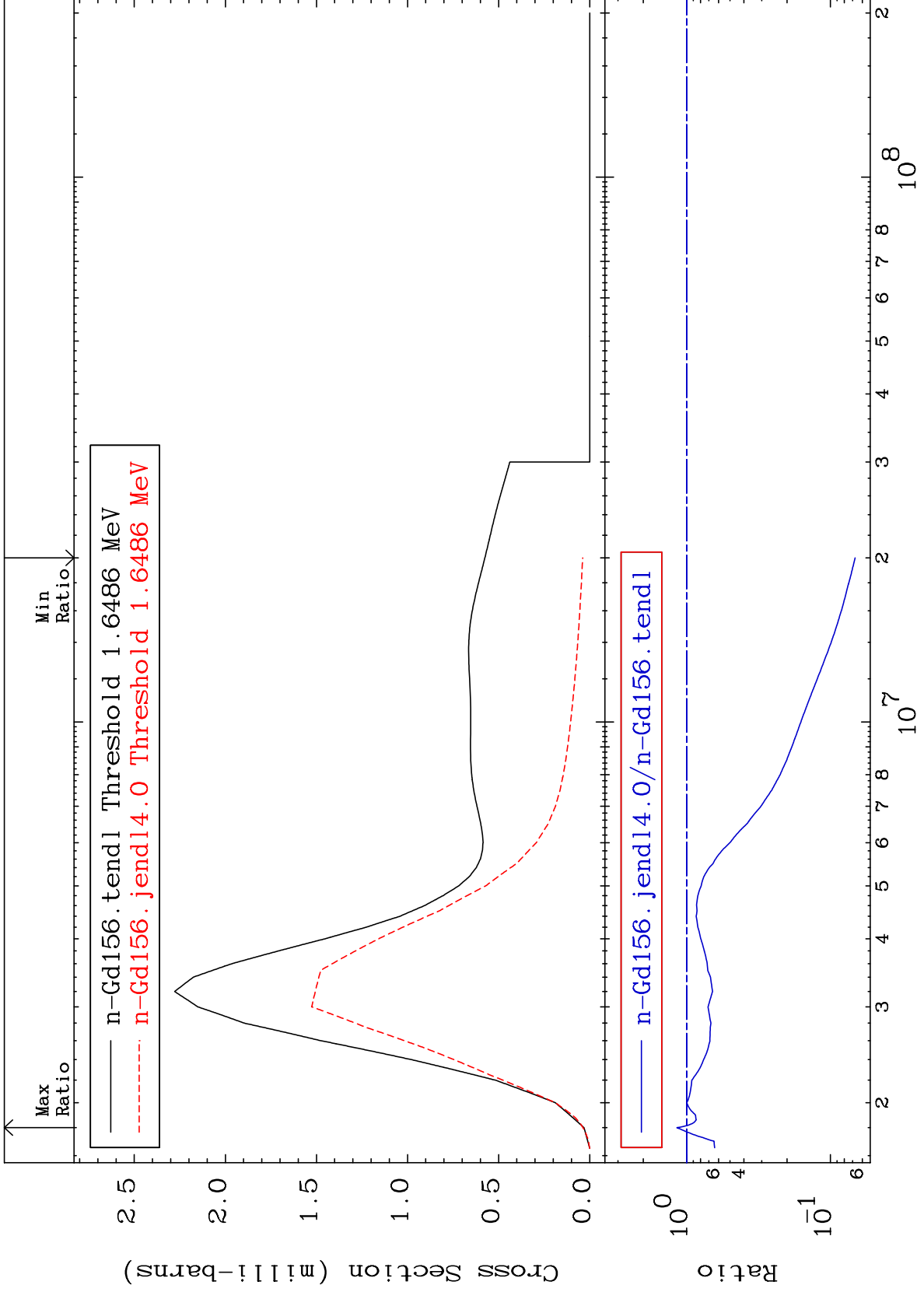


MAT 6437

MT= 77 (n,n') Level  
Cross Section

64-Gd-156  
-48.84 To 9999. %

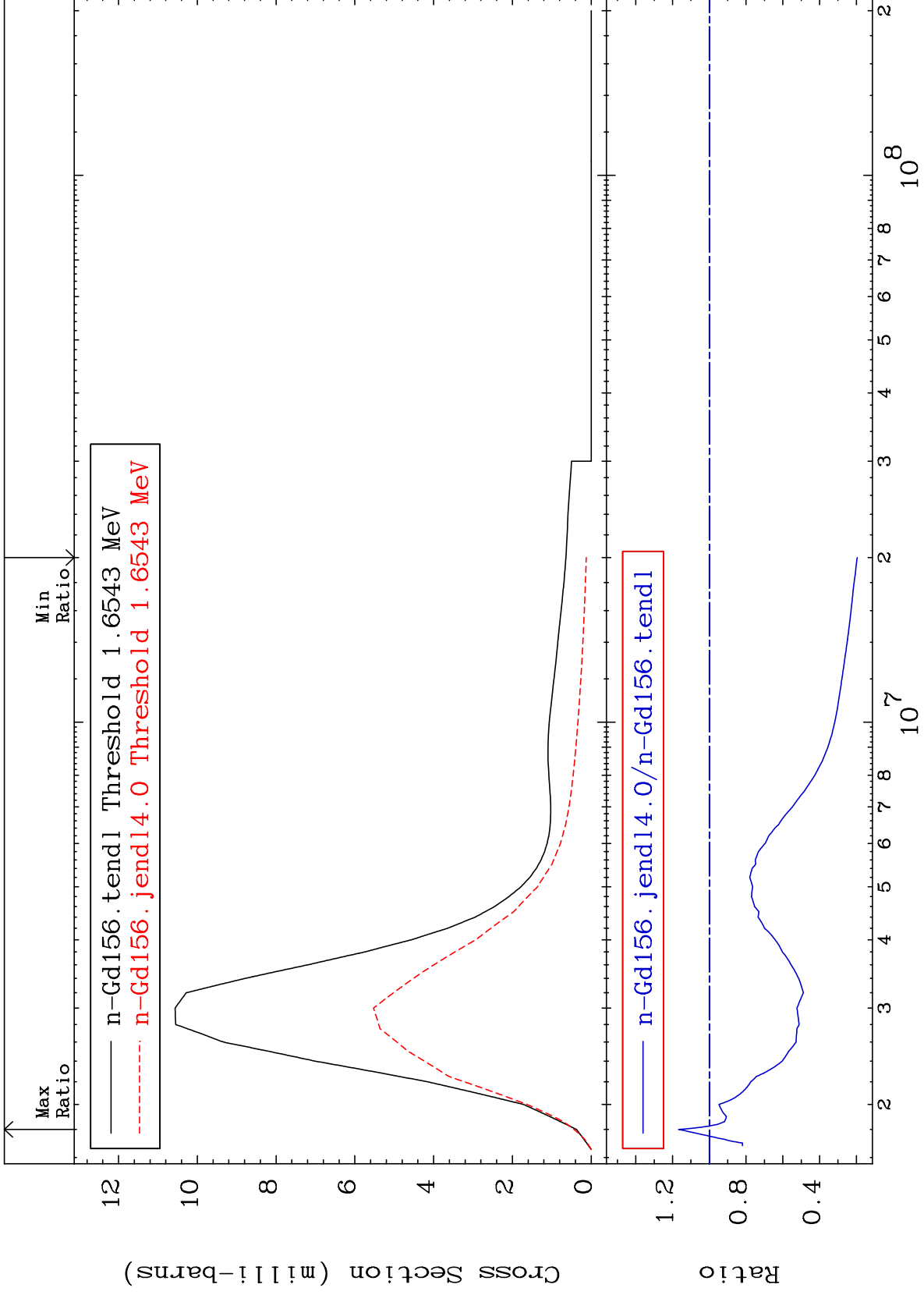




MAT 6437

MT= 79 (n,n') Level  
Cross Section

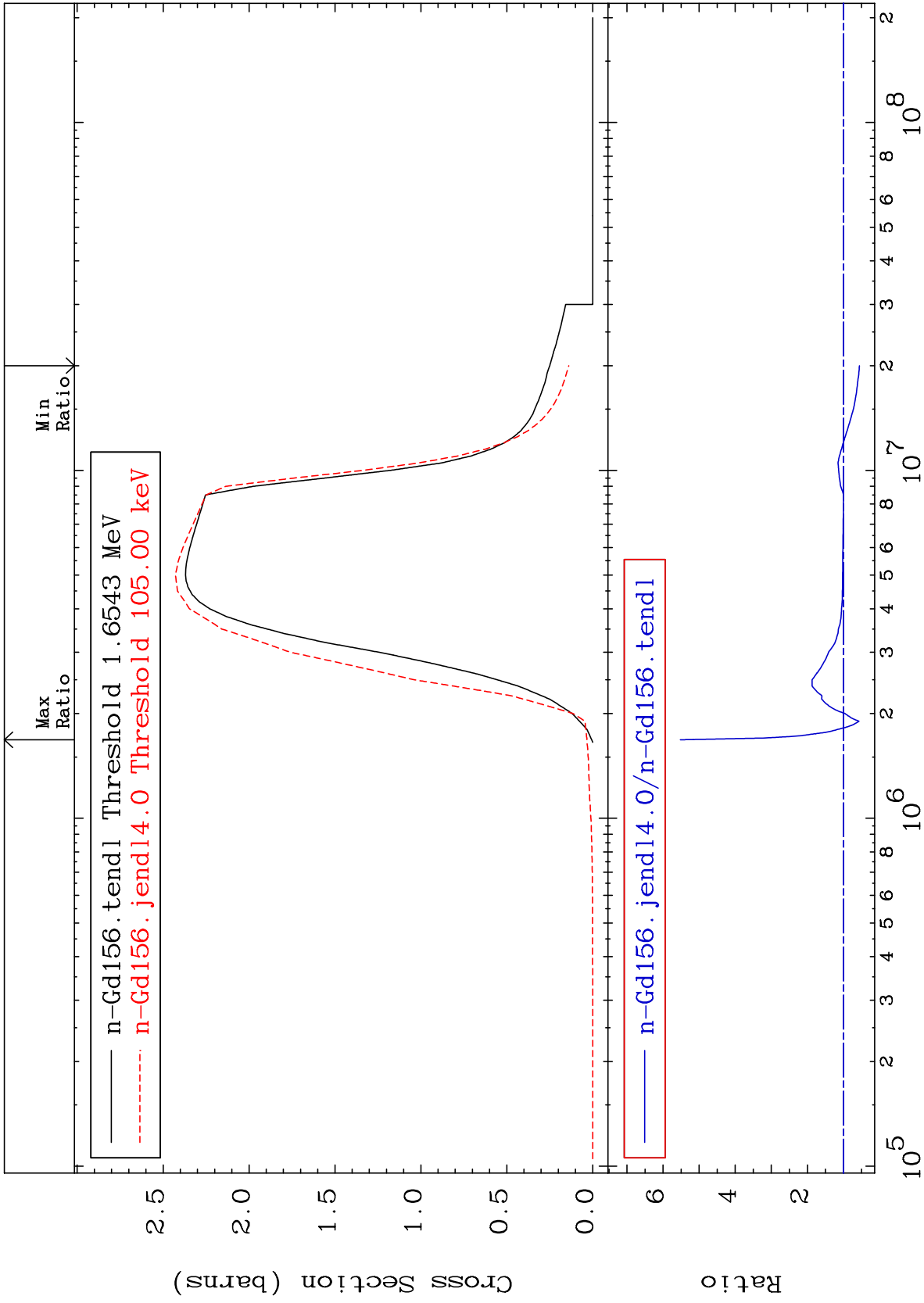
64-Gd-156  
-80.50 To 16.69 %



MAT 6437

(n, n') Continuum  
Cross Section

64-Gd-156  
-44.13 To 452.0 %



39

64-Gd-156

64-Gd-156

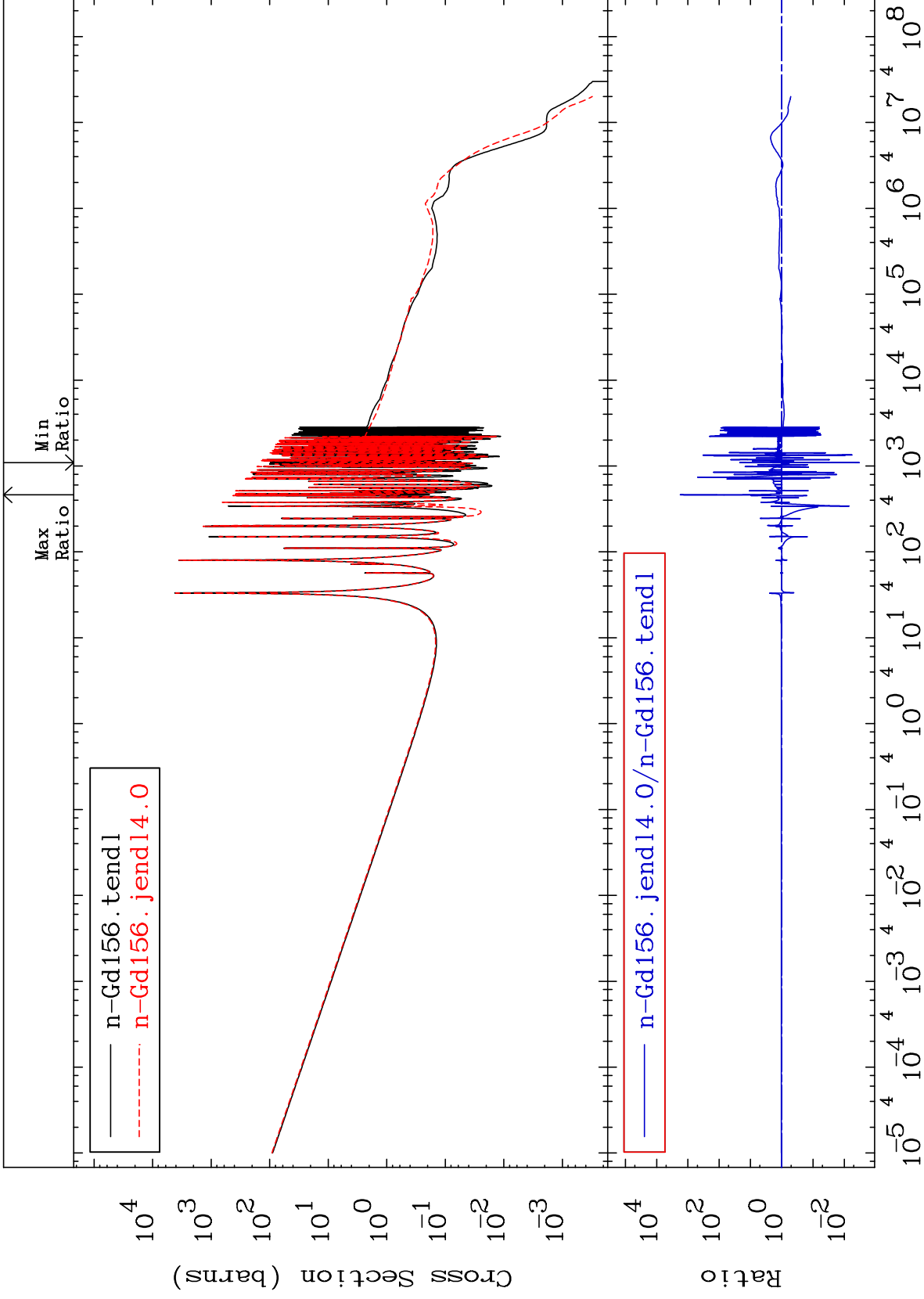
MAT 6437

(n,  $\gamma$ )

64-Gd-156

Cross Section

-99.67 To 9999. %



40

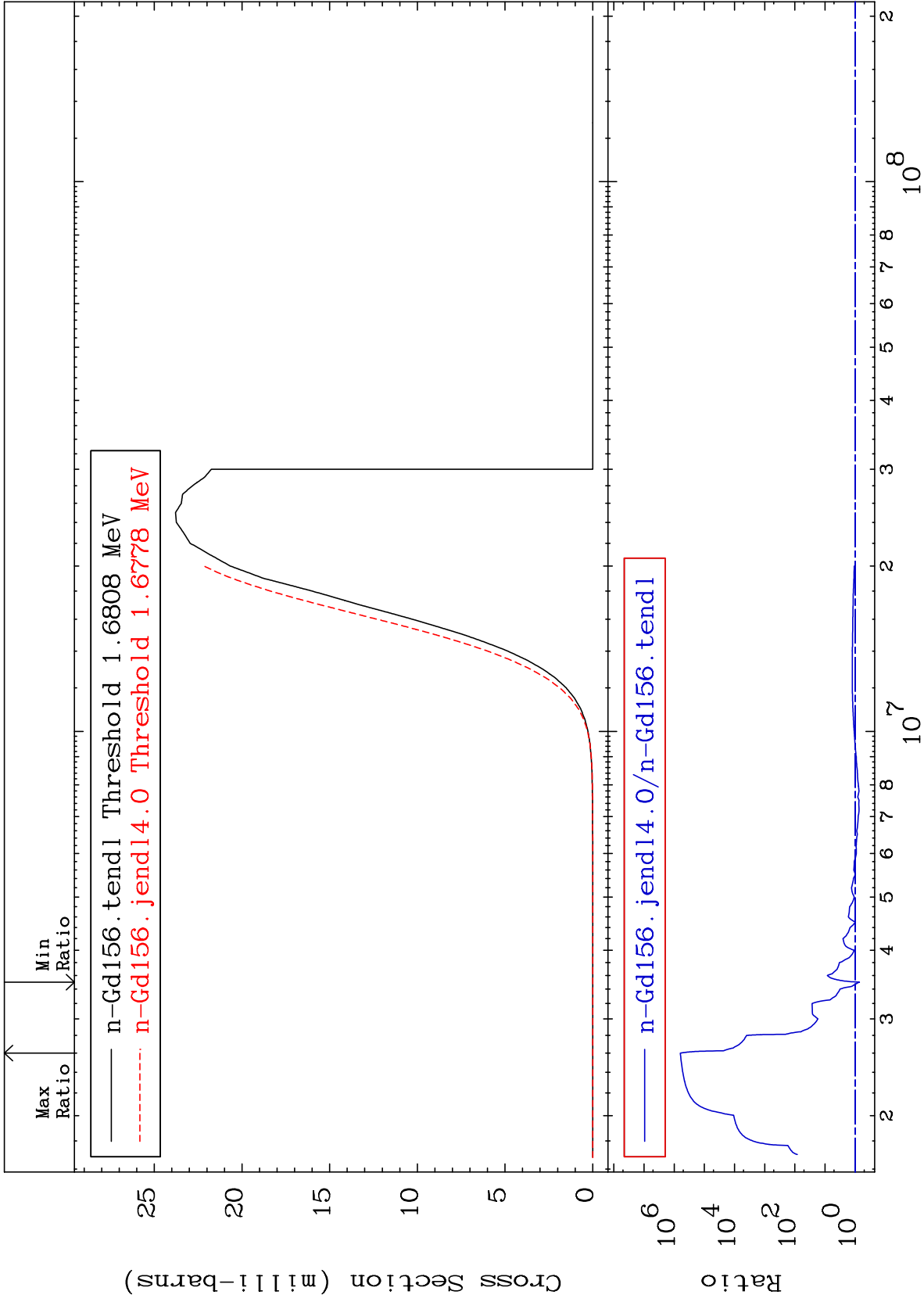
Incident Energy (eV)

64-Gd-156



Cross Section

-27.84 To 9999. %



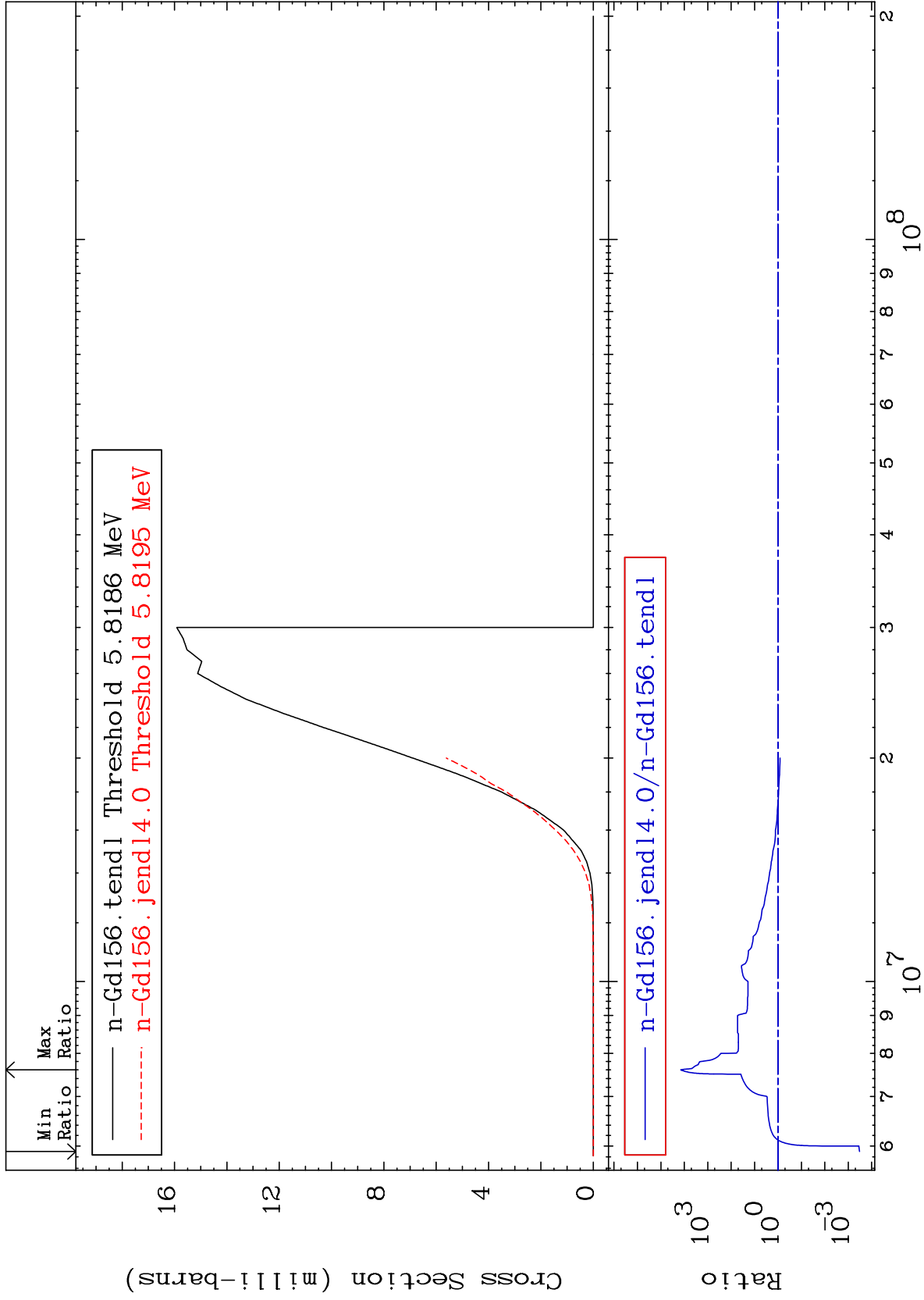
MAT 6437

(n, d)

64-Gd-156

Cross Section

-99.97 To 9999. %



42

Incident Energy (eV)

64-Gd-156

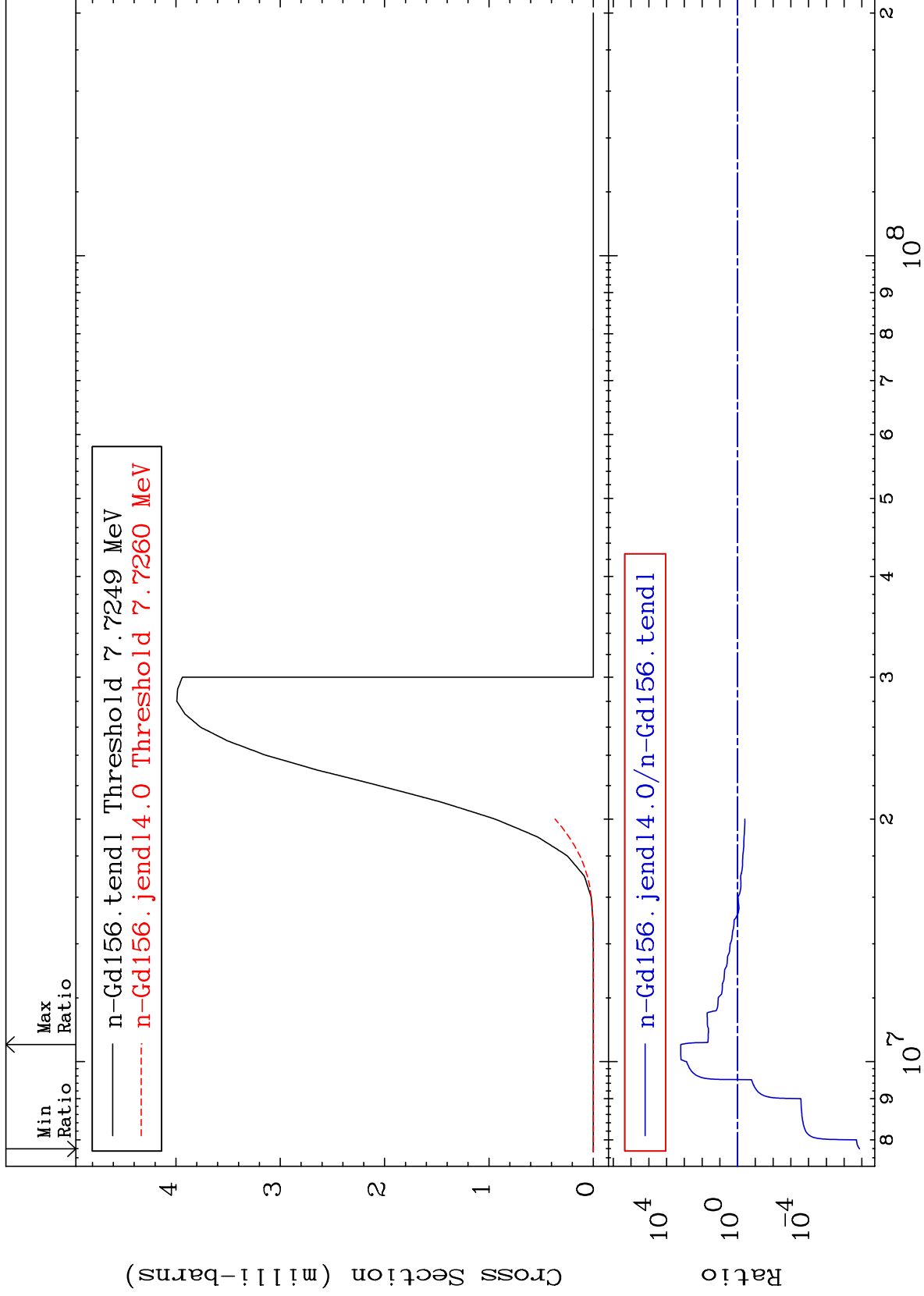
MAT 6437

(n, t)

64-Gd-156

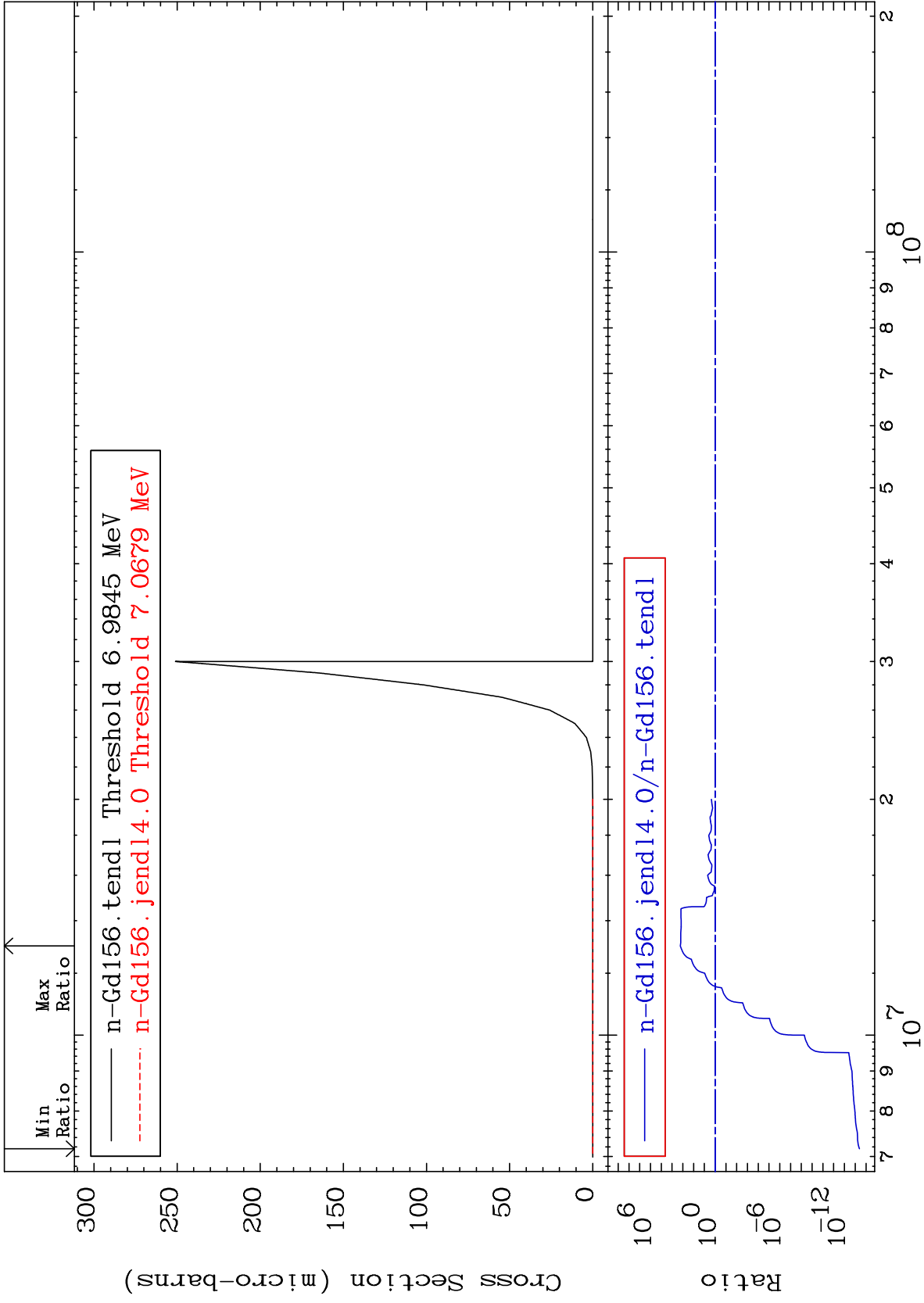
Cross Section

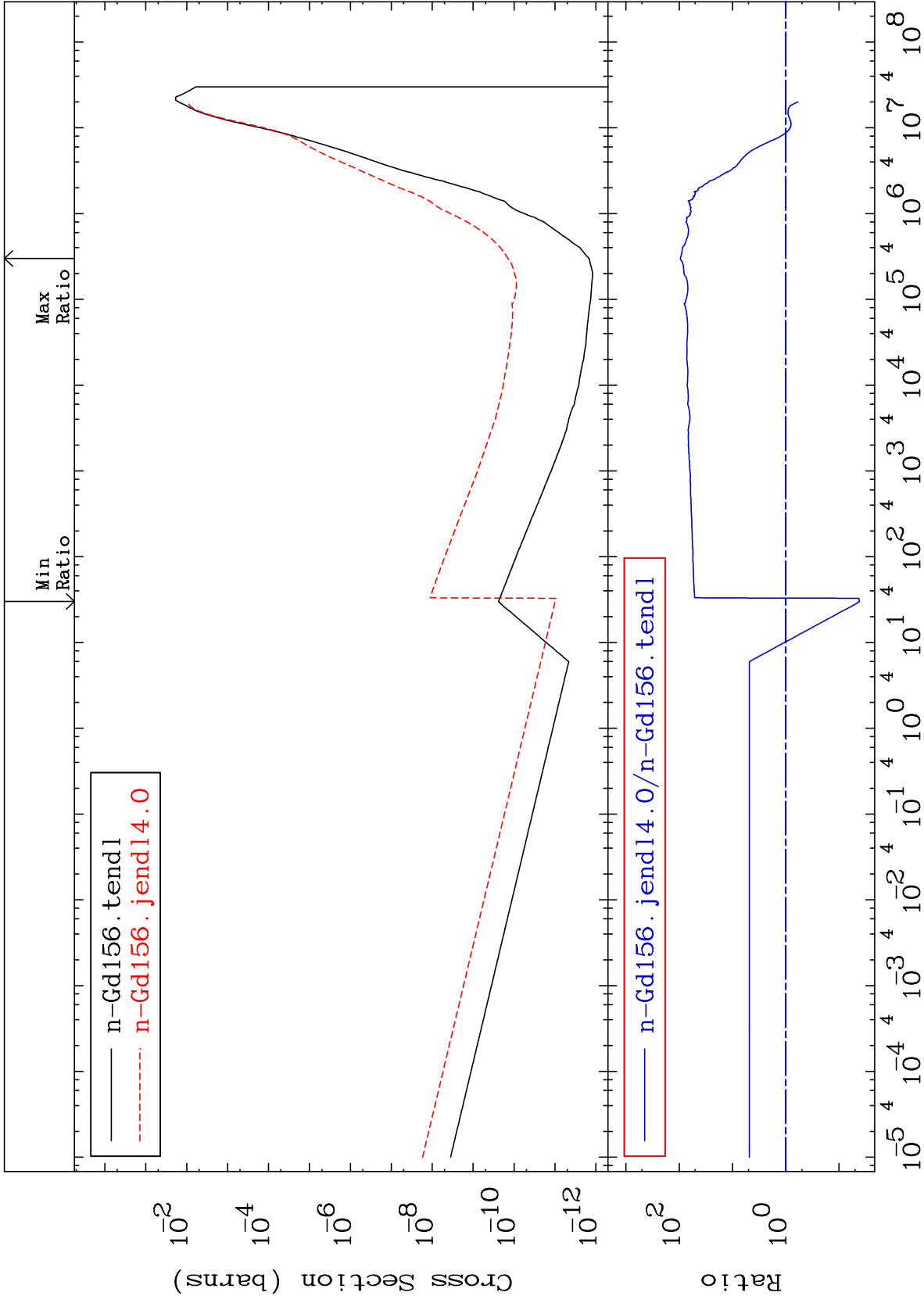
-100.0 To 9999. %

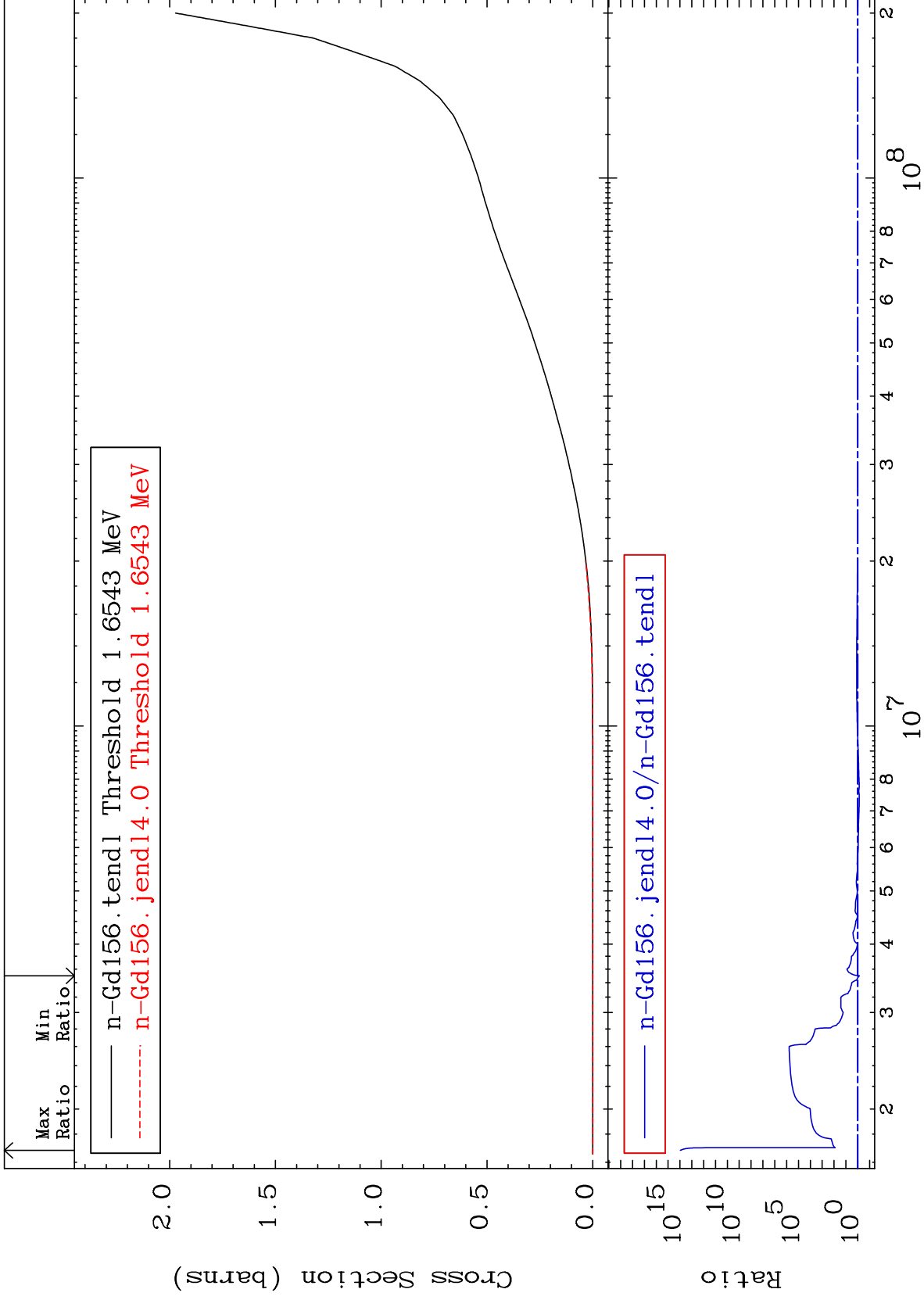


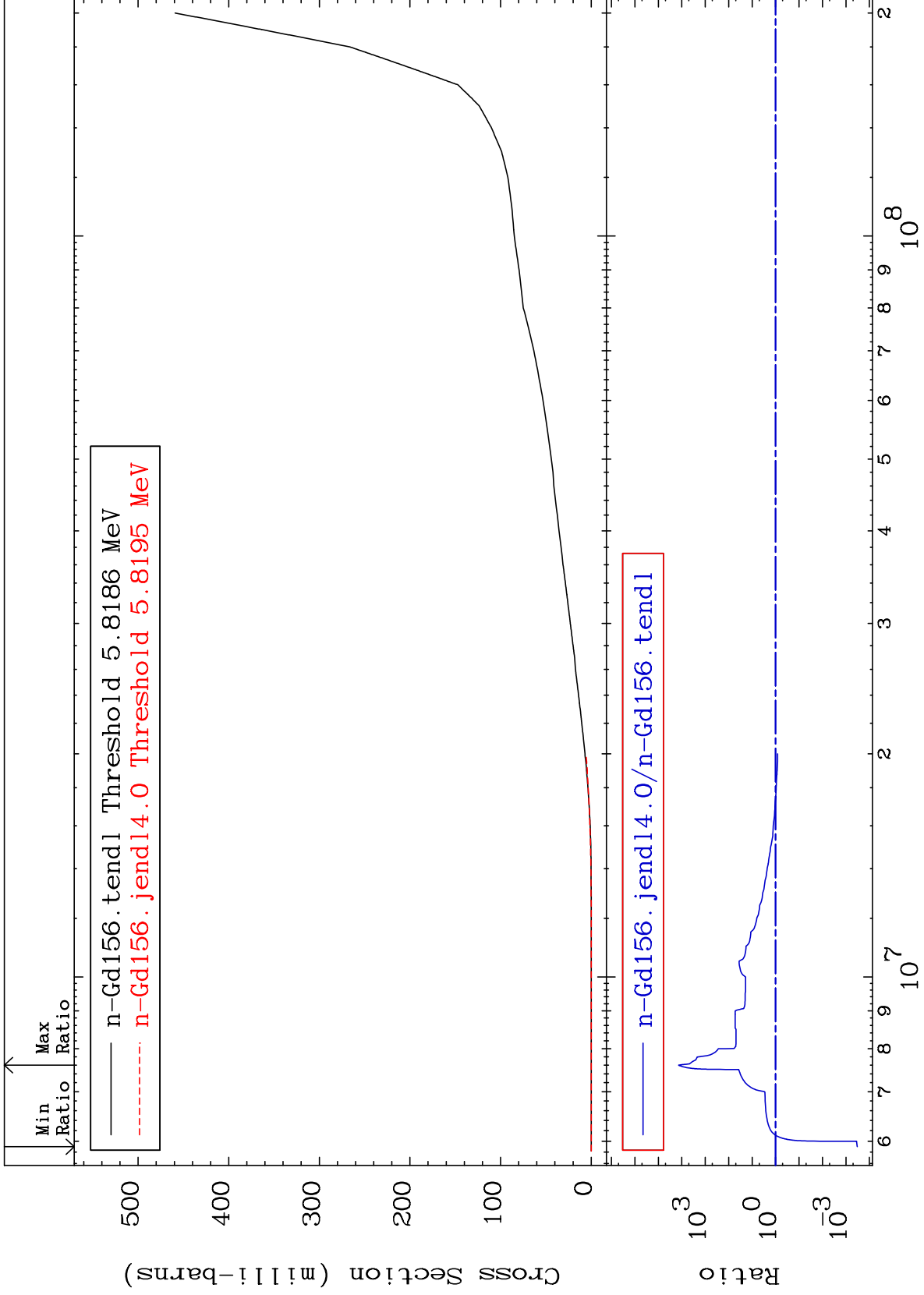
Cross Section

-100.0 To 9999. %





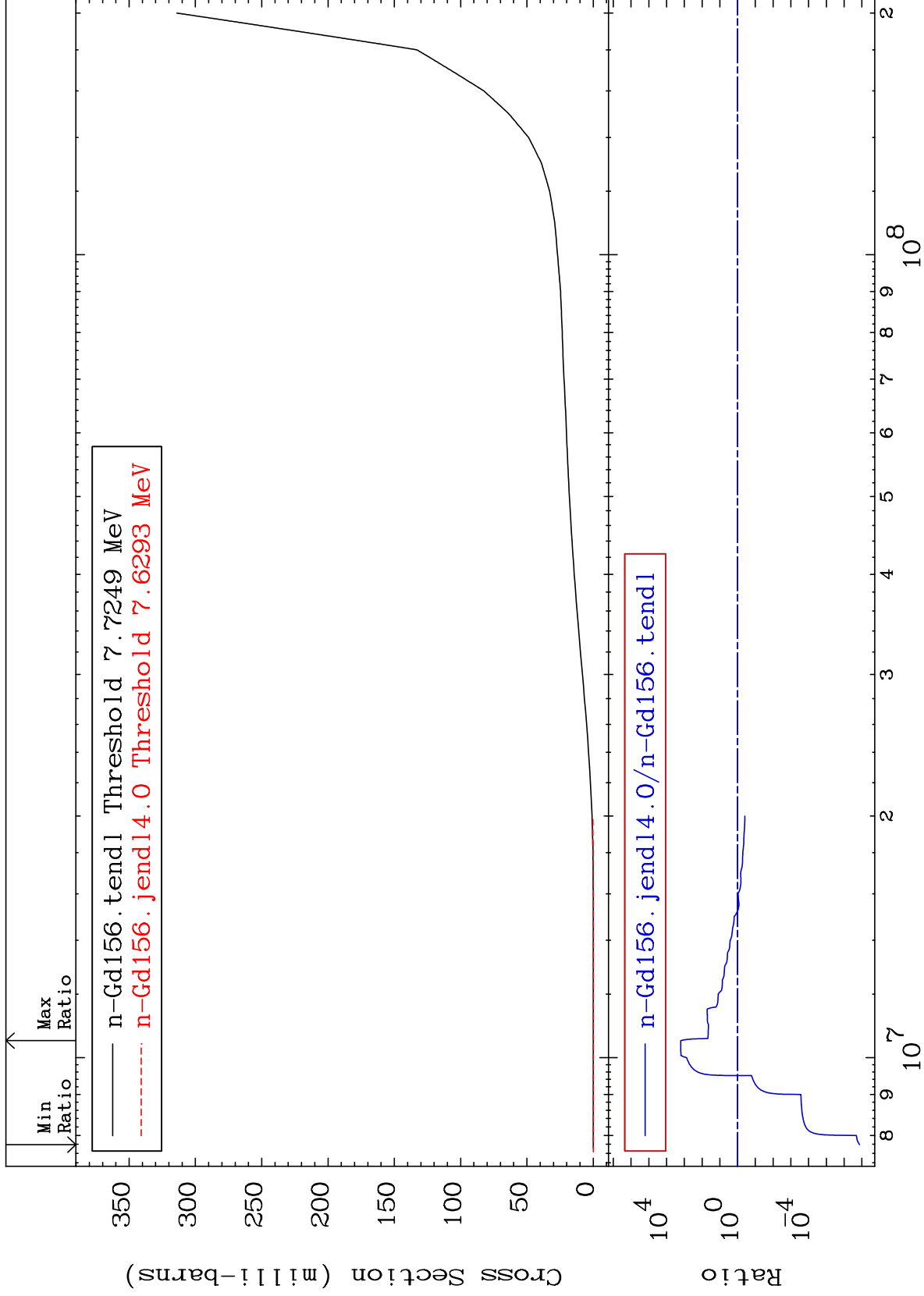




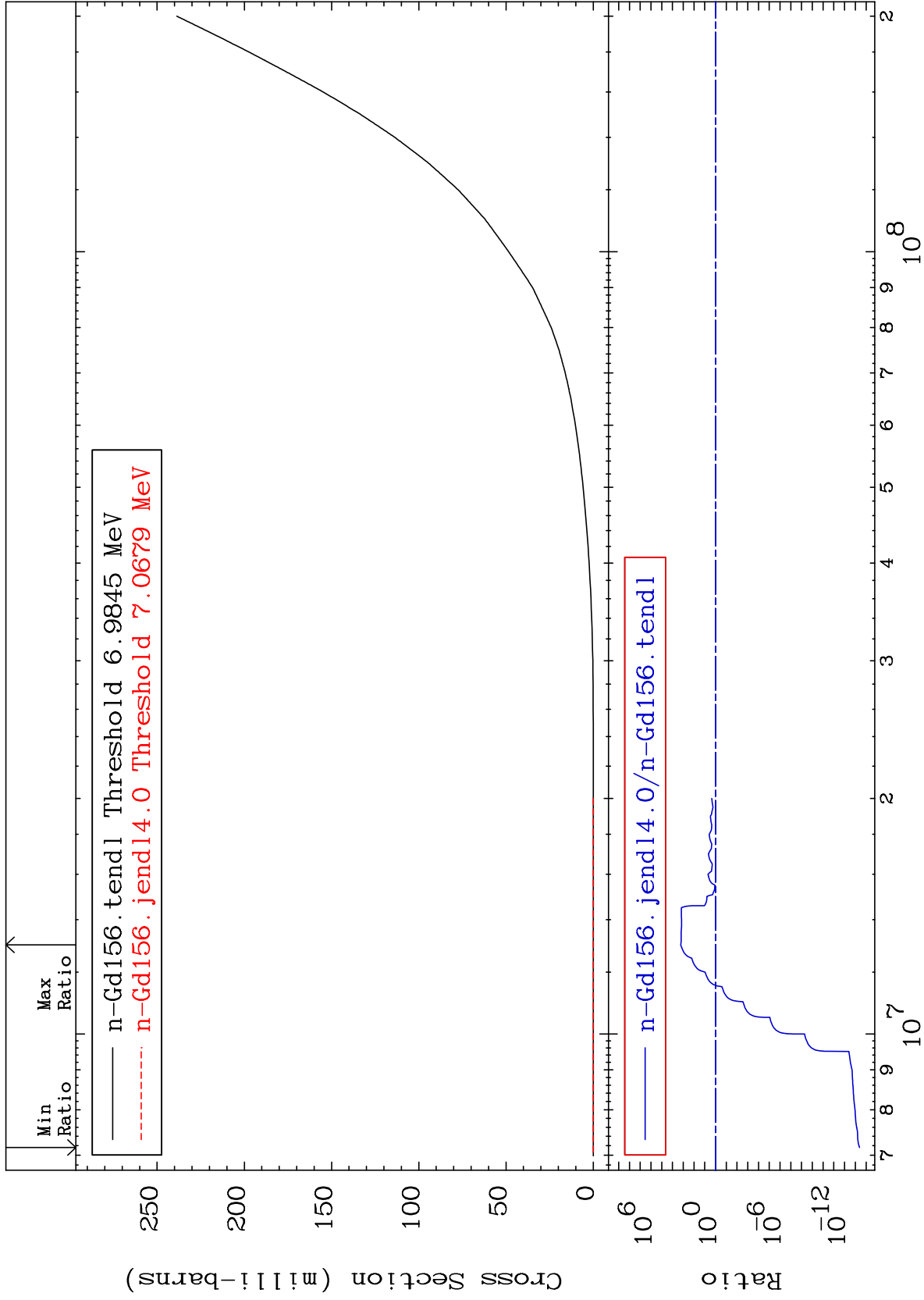
MAT 6437

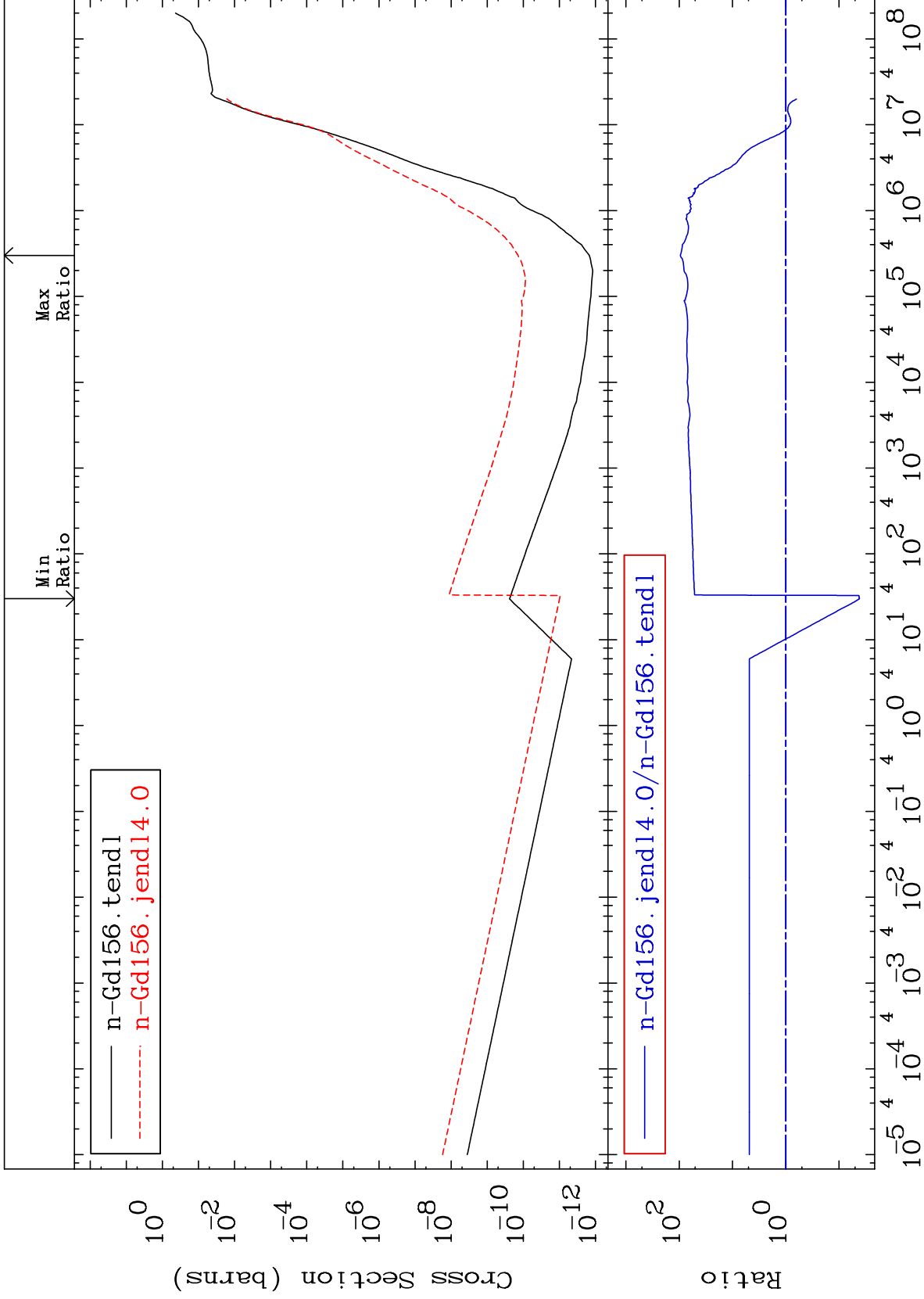
Tritium Production  
Cross Section

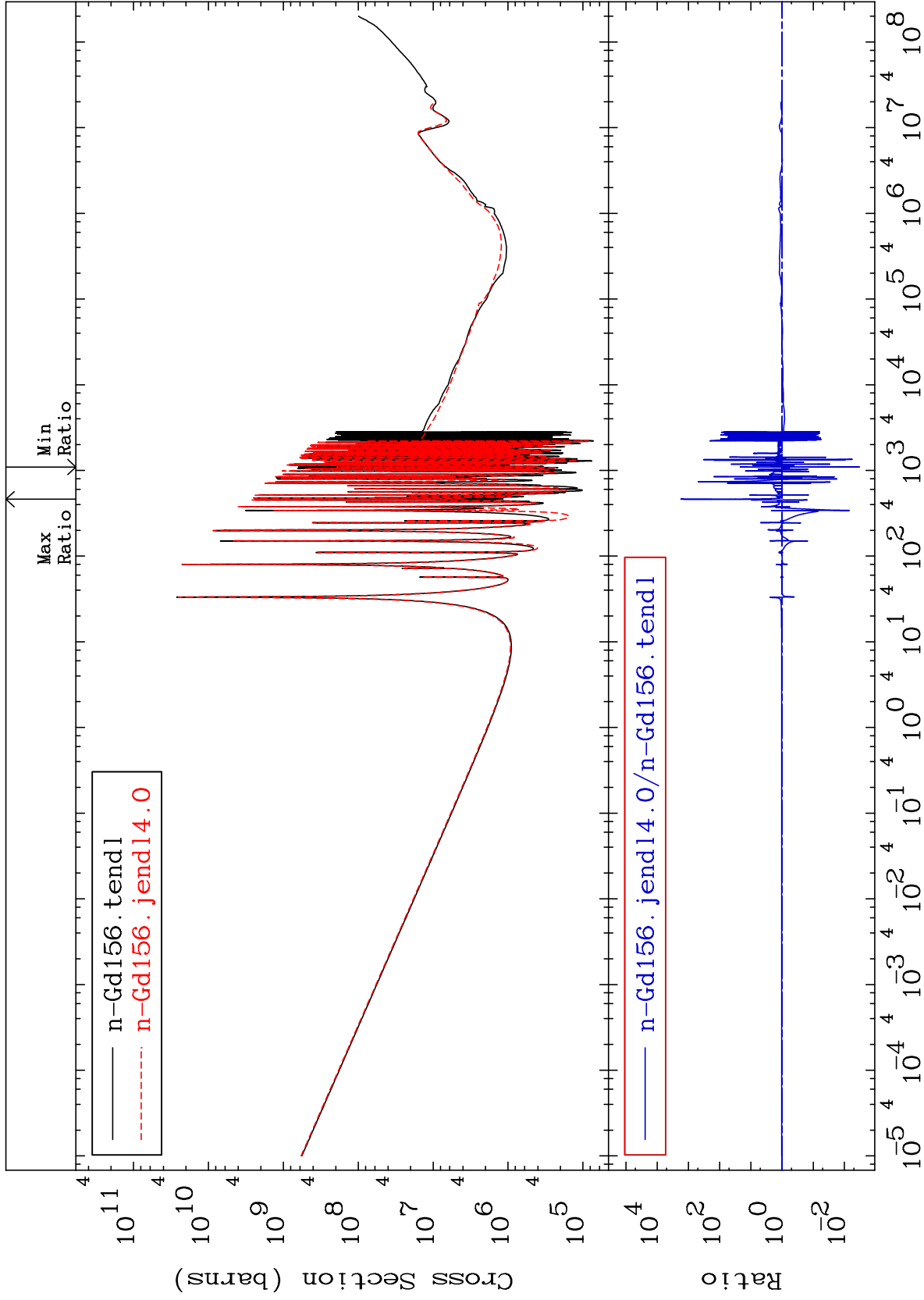
64-Gd-156  
-100.0 To 9999. %

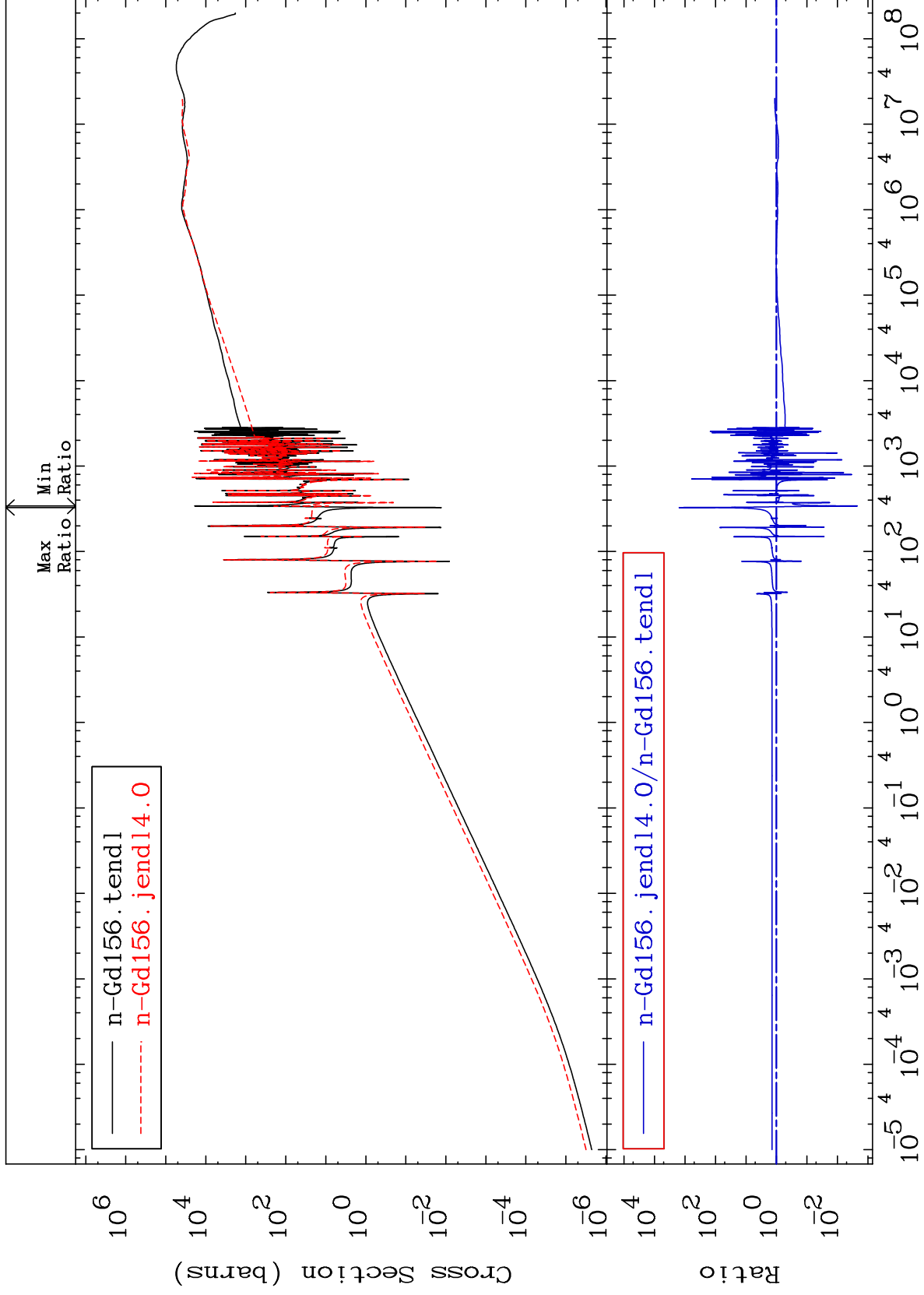


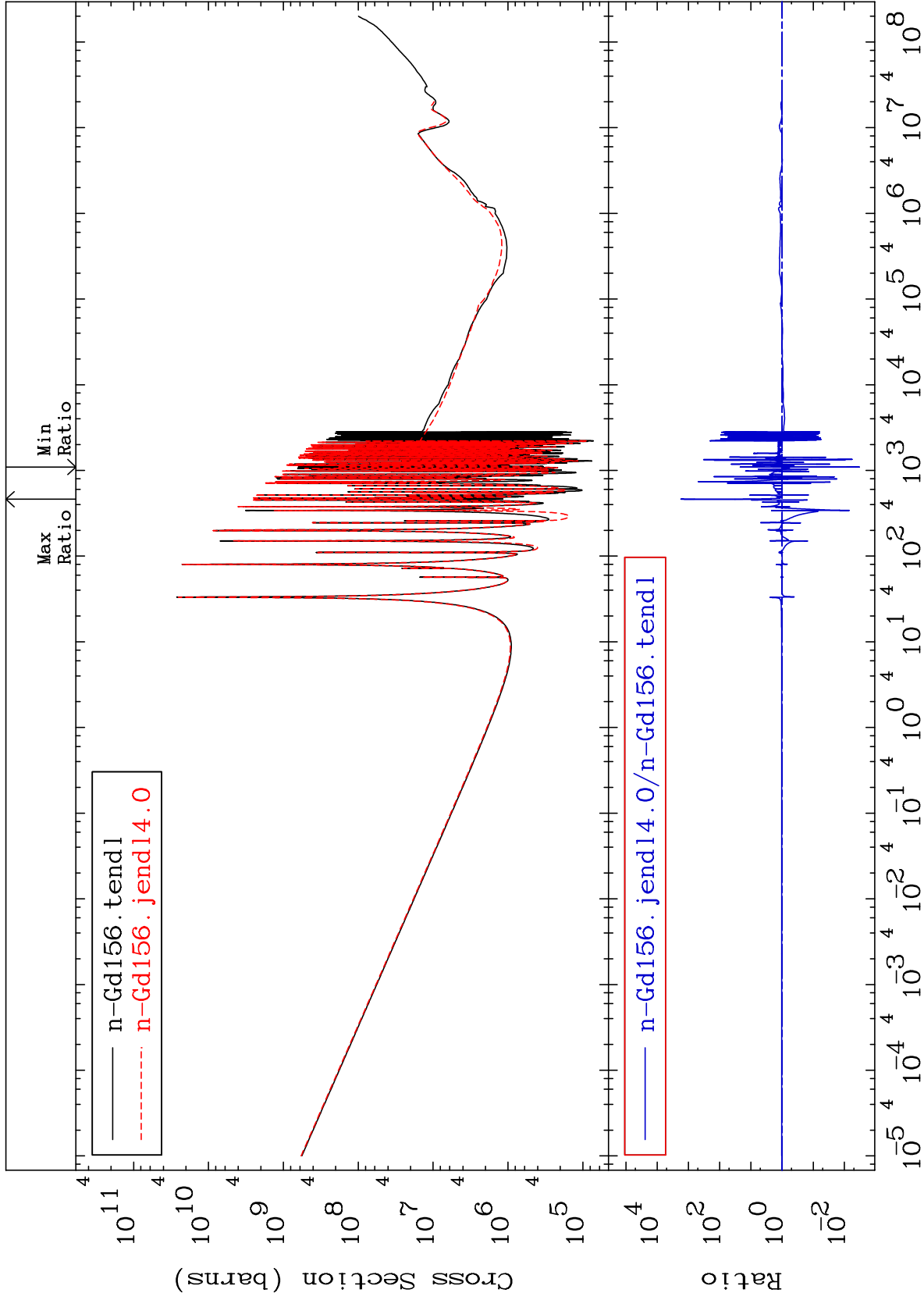


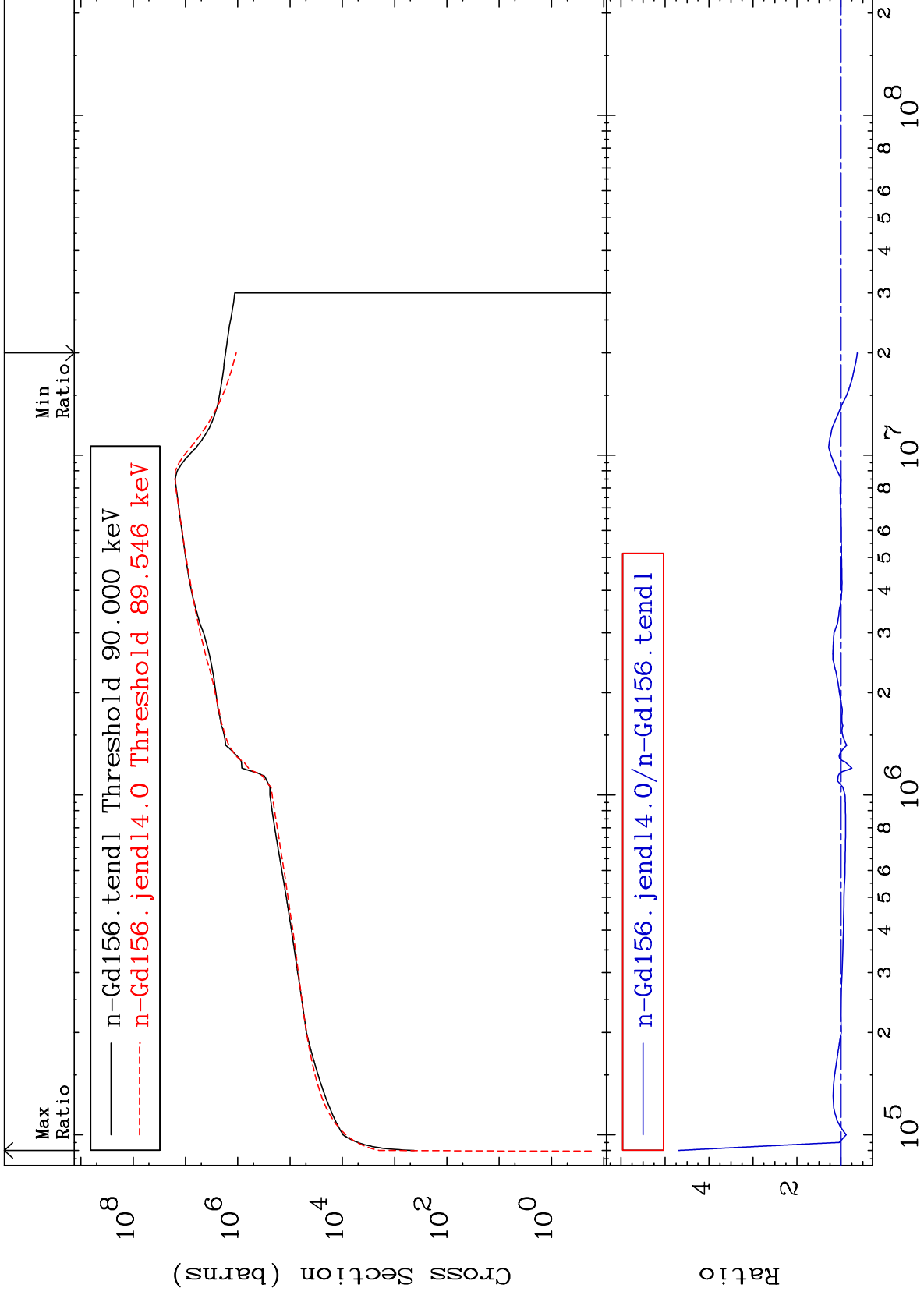


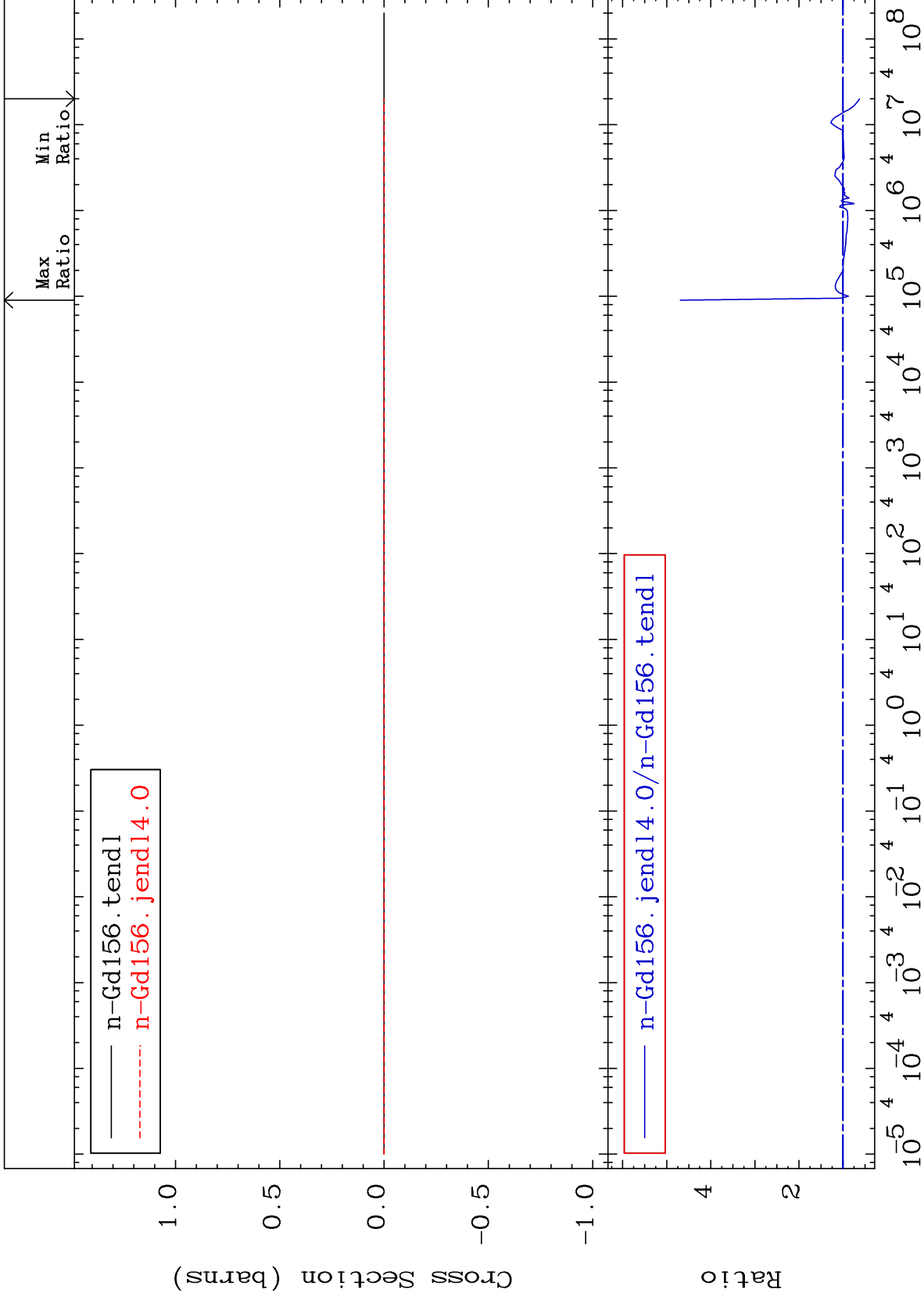


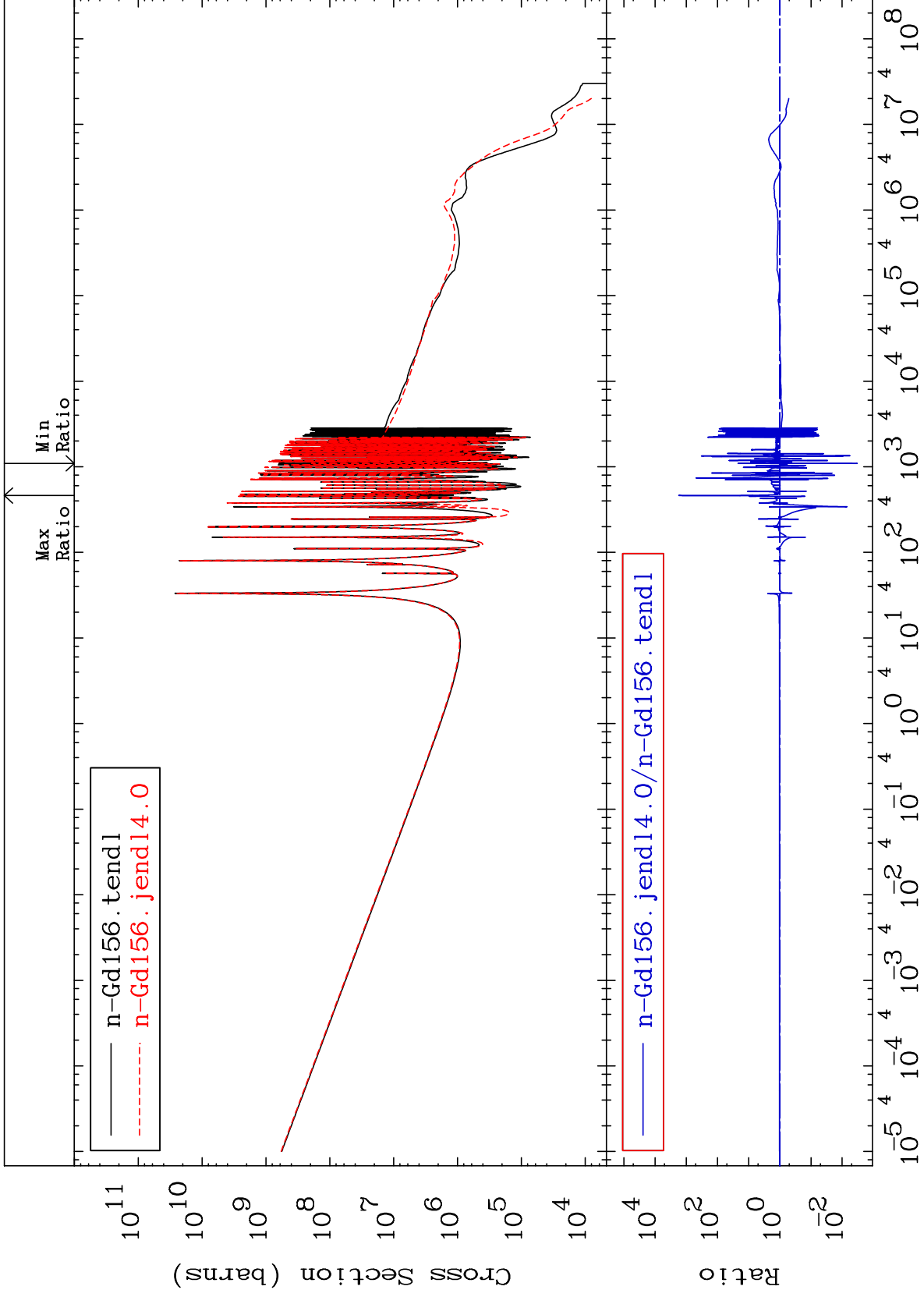




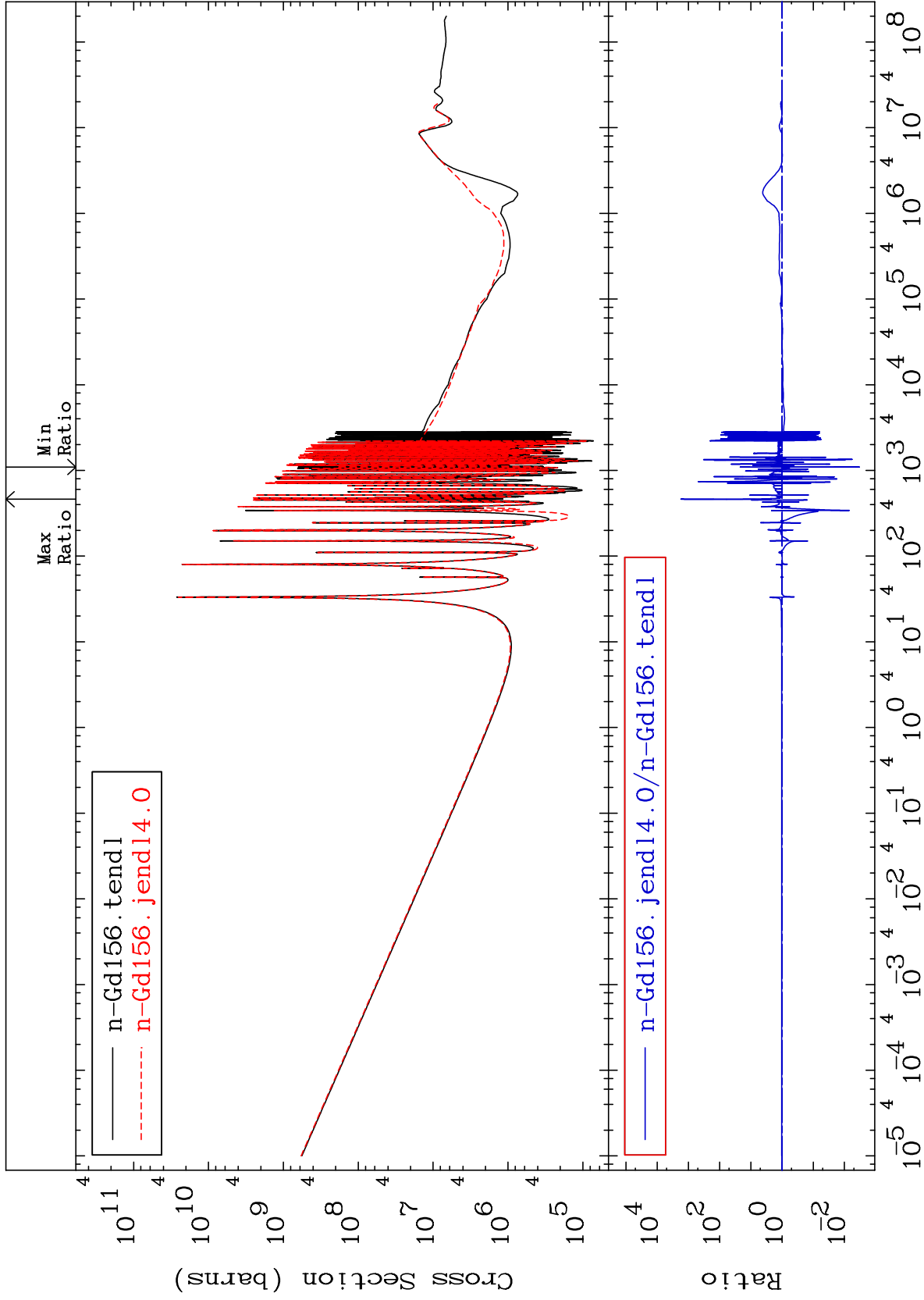


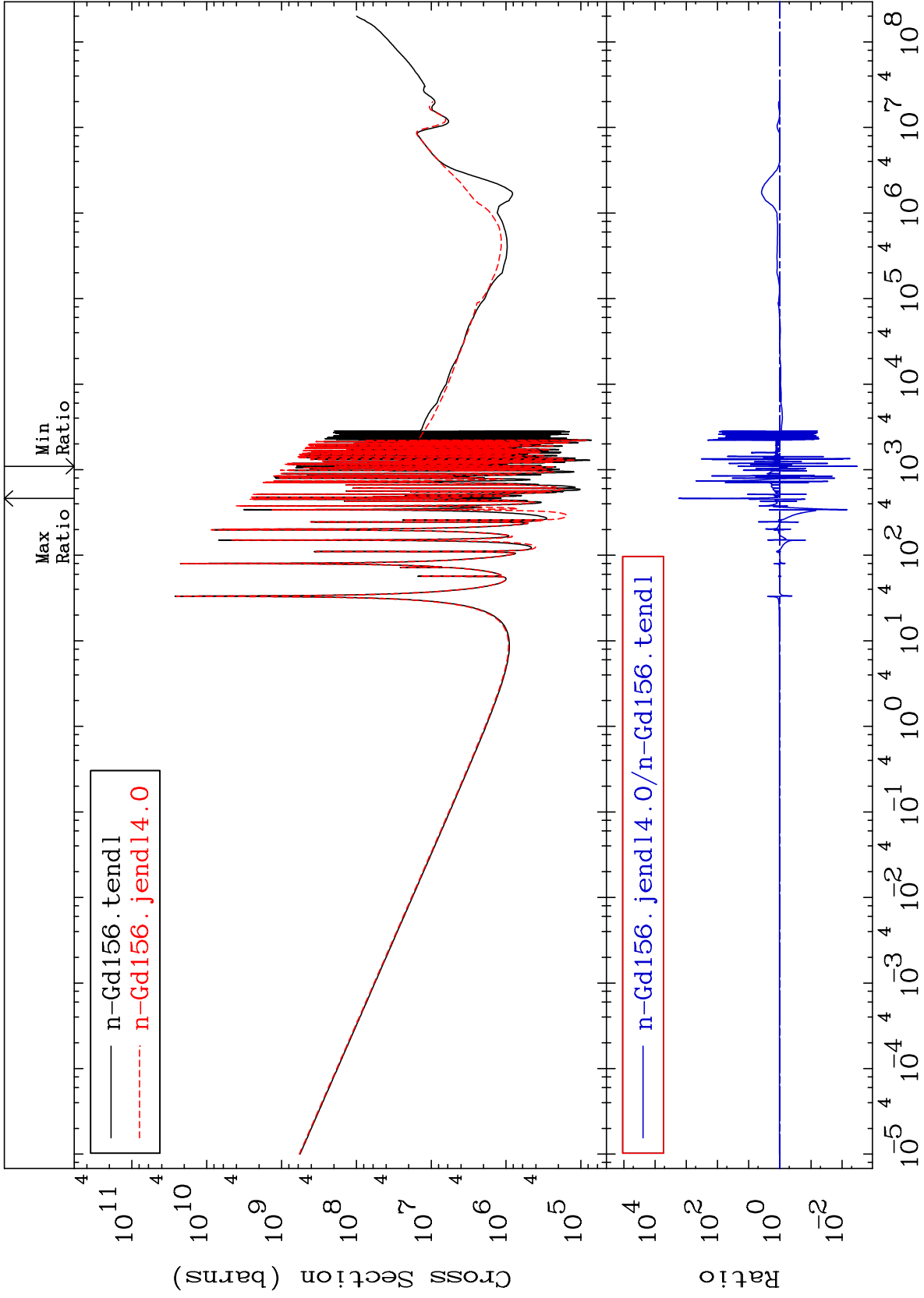


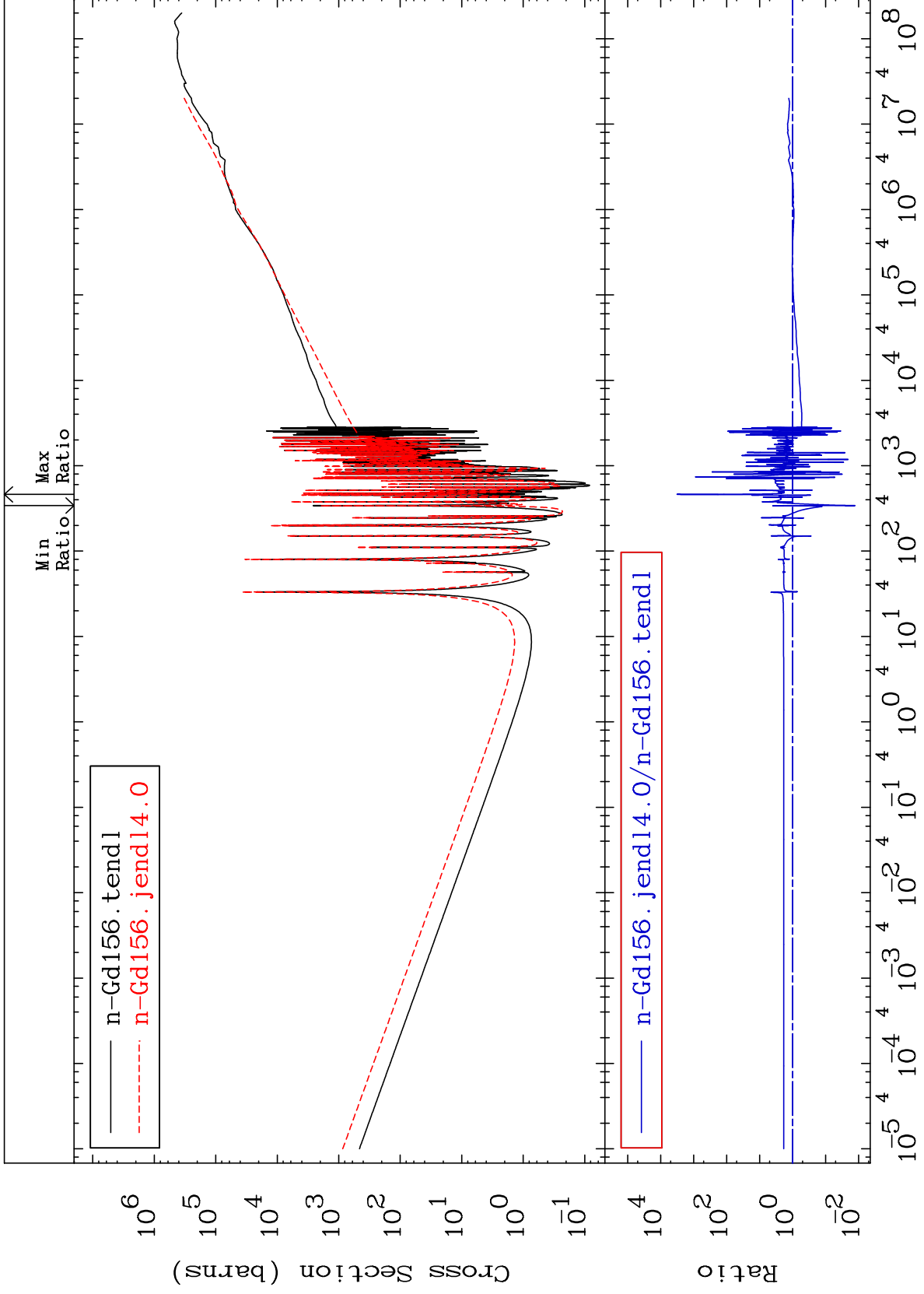








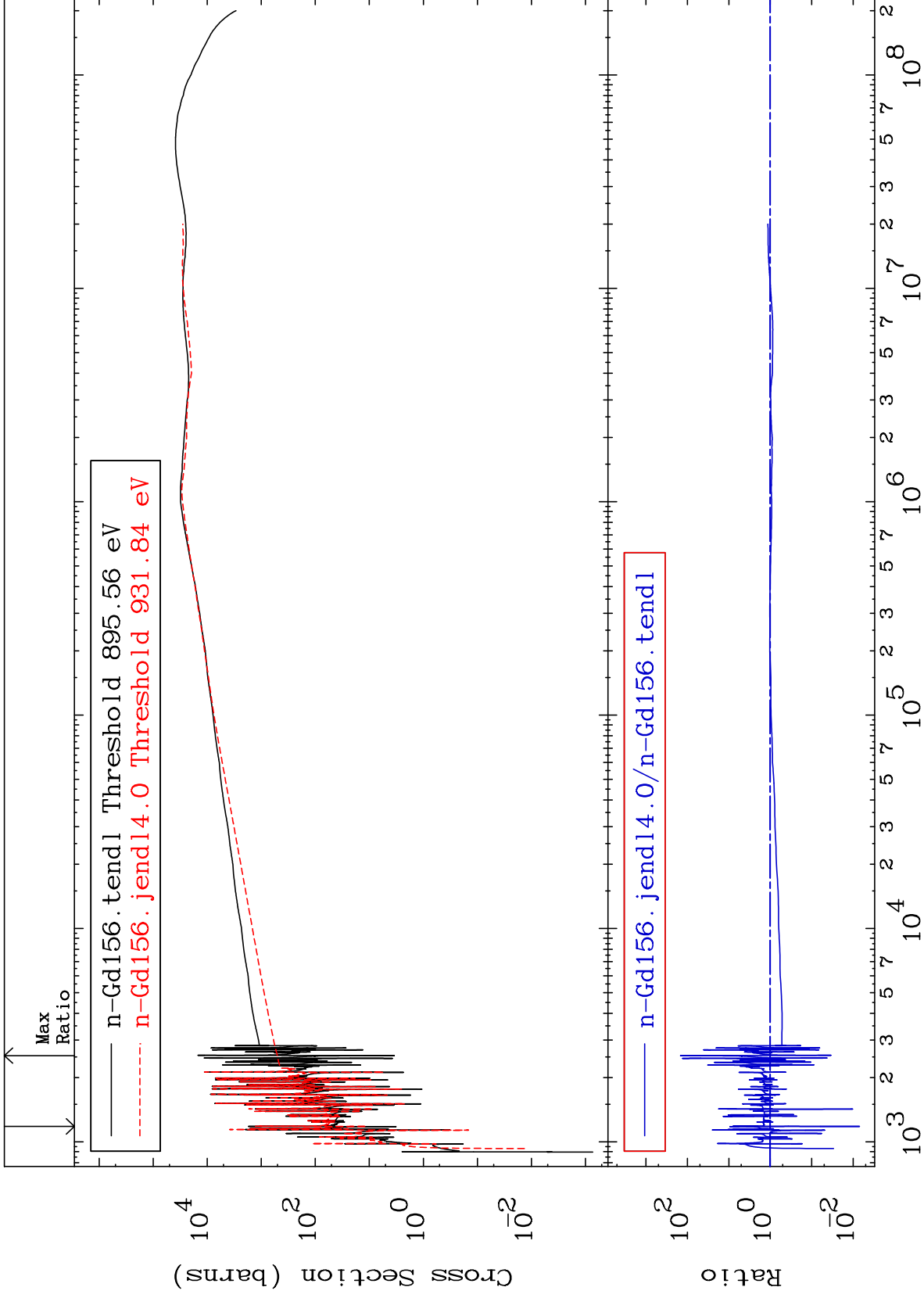




MAT 6437

Dpa elastic (mt2)  
Cross Section

64-Gd-156  
-99.29 To 9999. %



60

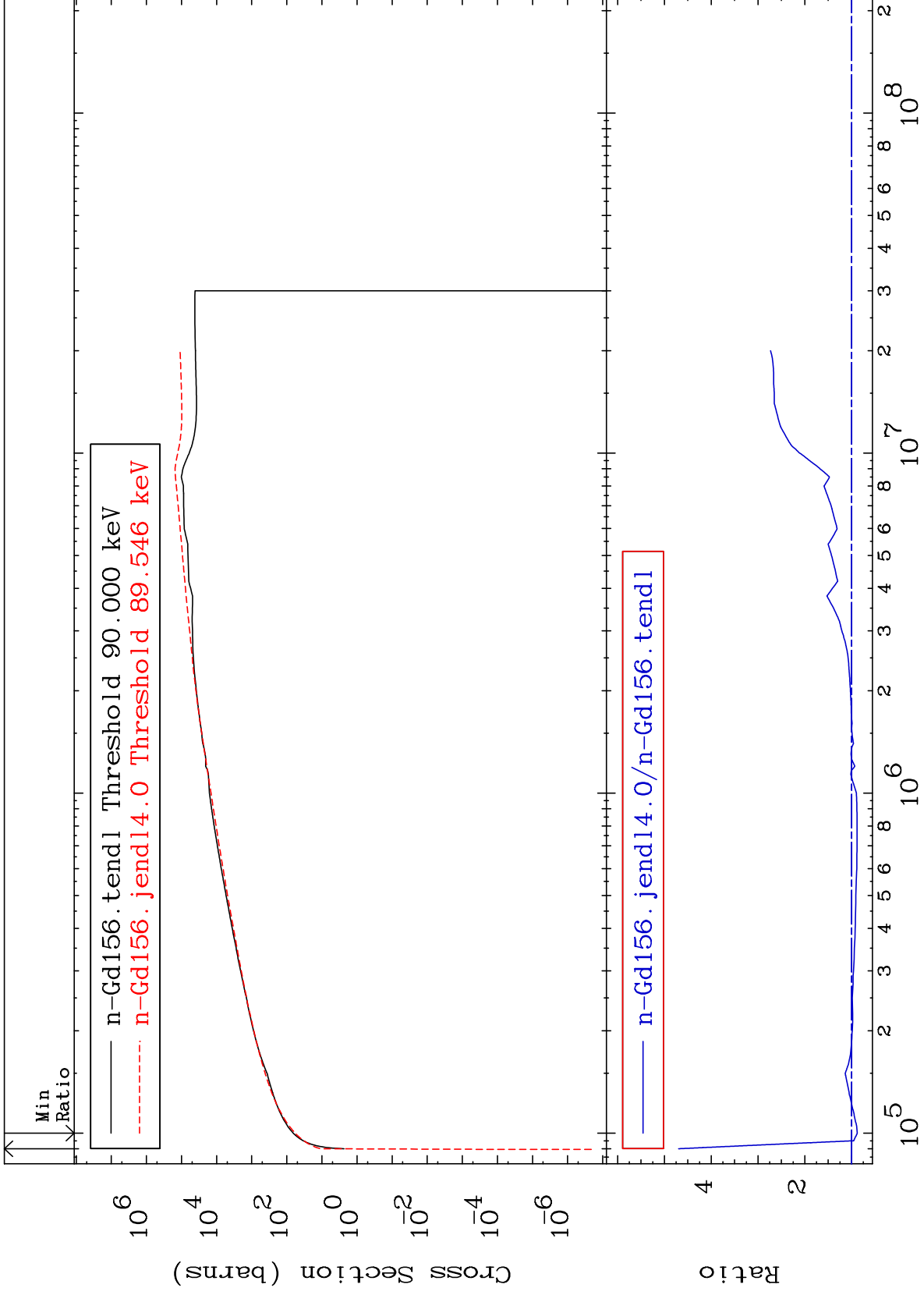
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-156  
-12.04 To 369.6 %



61

64-Gd-156

