

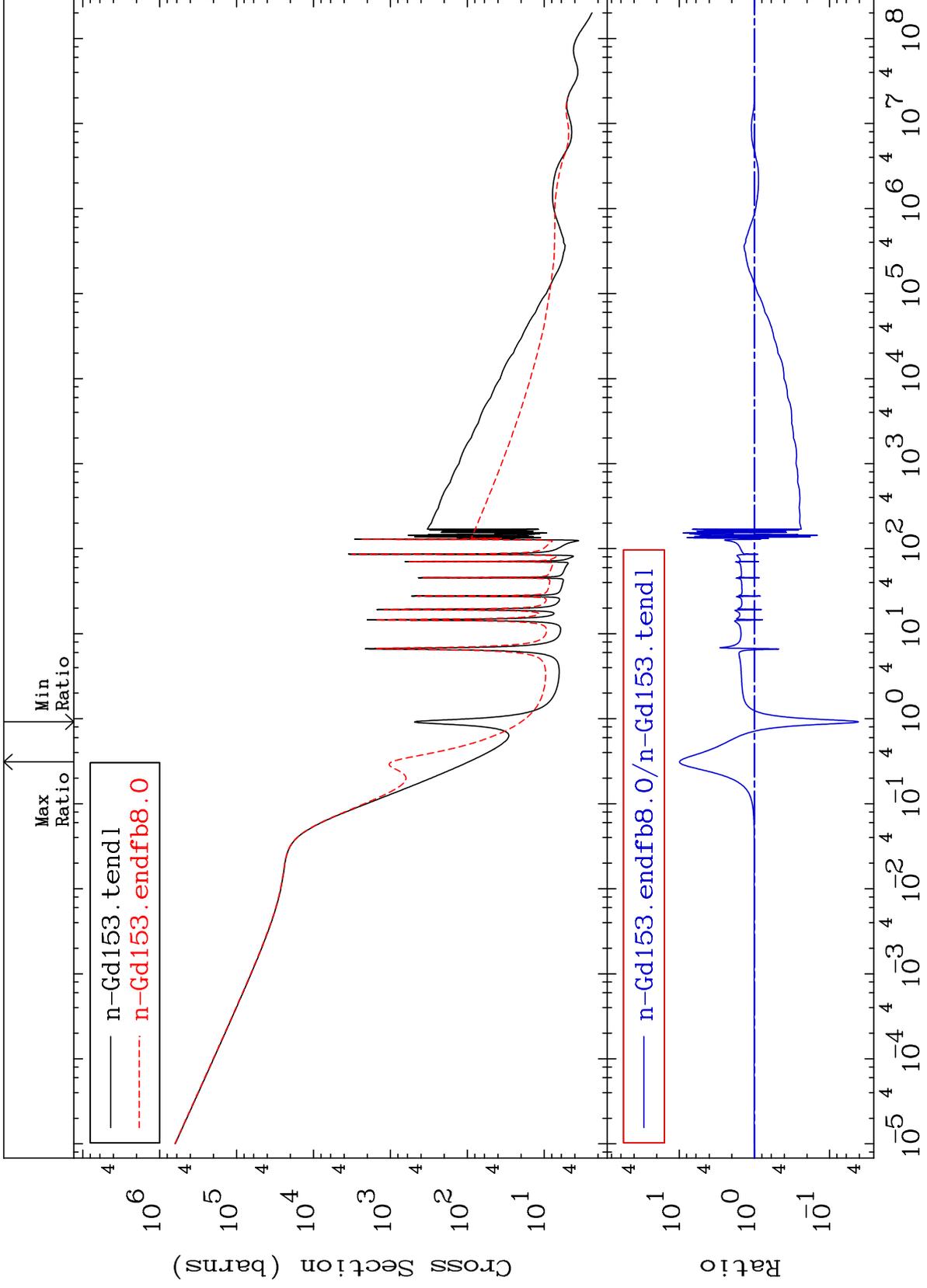
MAT 6428

Total

64-Gd-153

Cross Section

-95.89 To 894.4 %

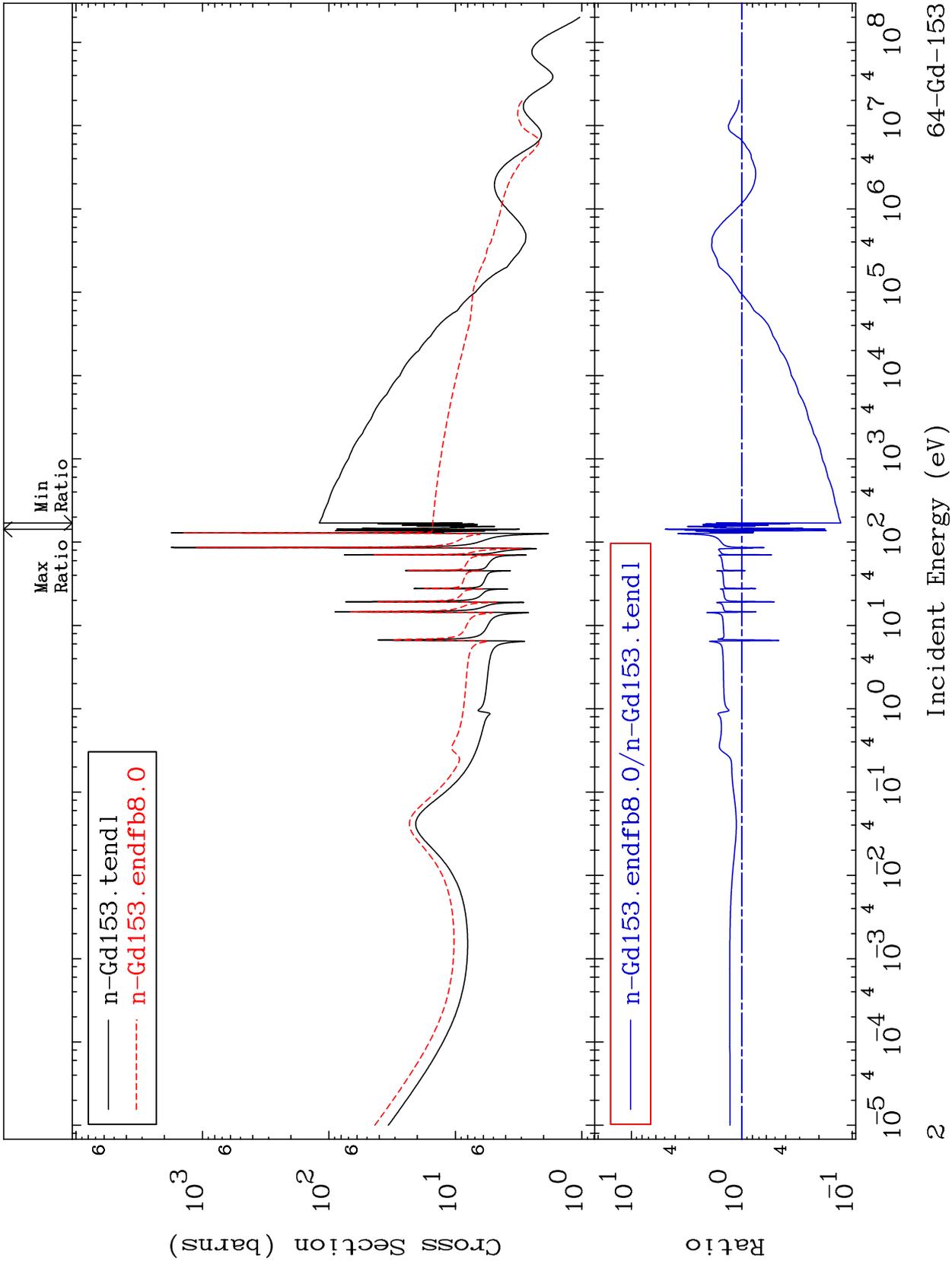


64-Gd-153

MAT 6428

Elastic
Cross Section

64-Gd-153
-87.33 To 390.5 %

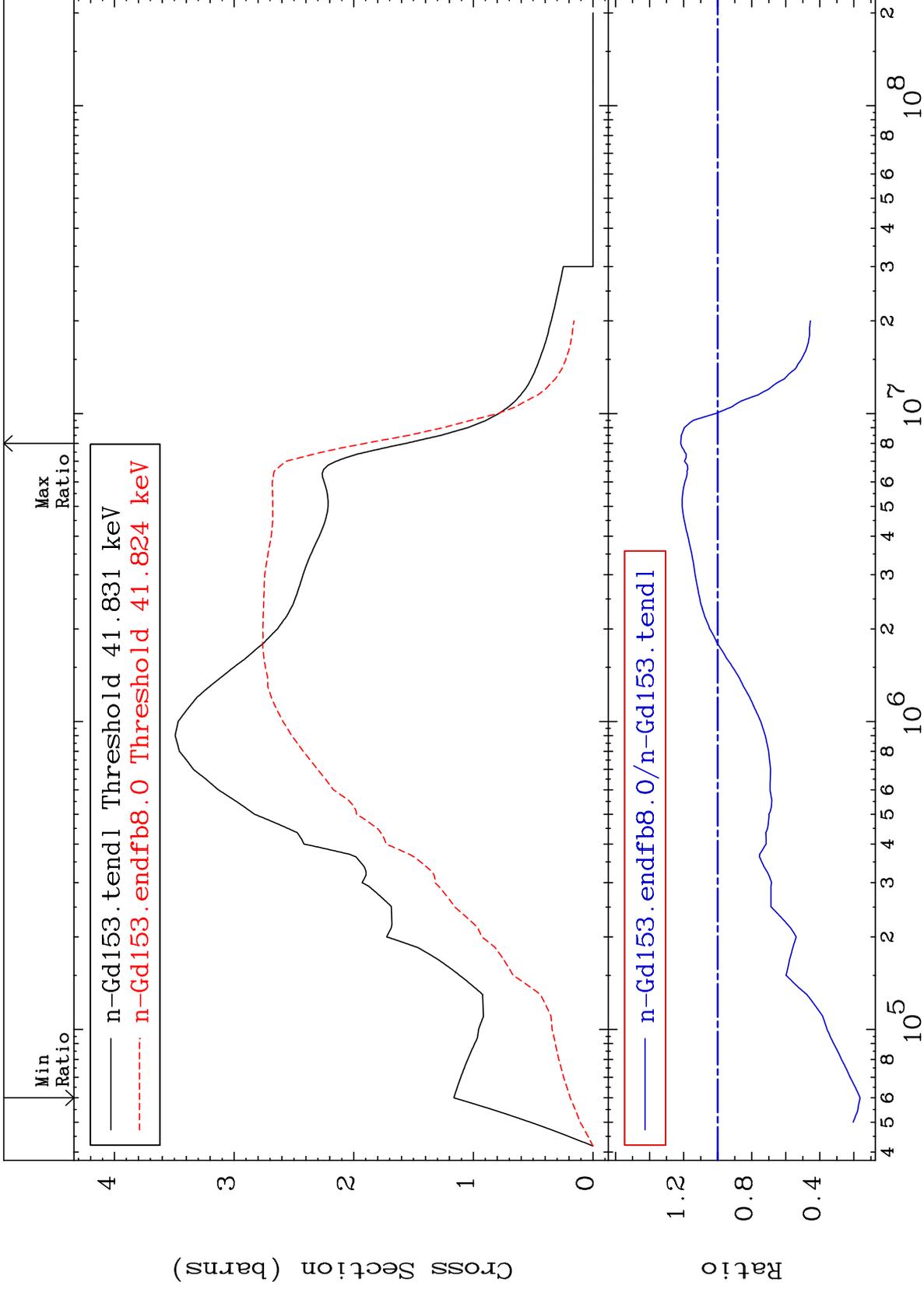


64-Gd-153

MAT 6428

Inelastic
Cross Section

64-Gd-153
-83.65 To 21.69 %



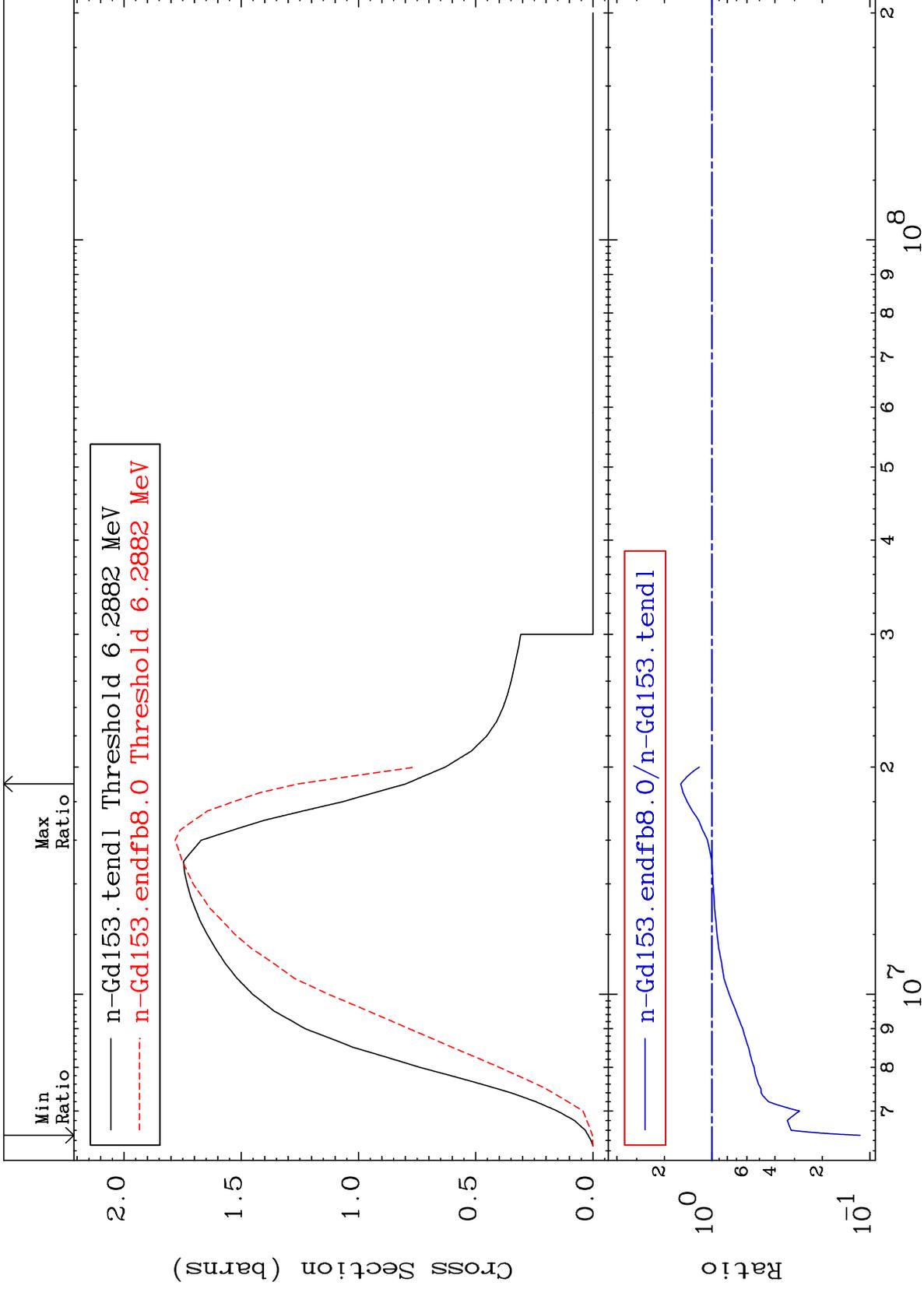
MAT 6428

(n,2n)

64-Gd-153

Cross Section

-88.47 To 57.56 %



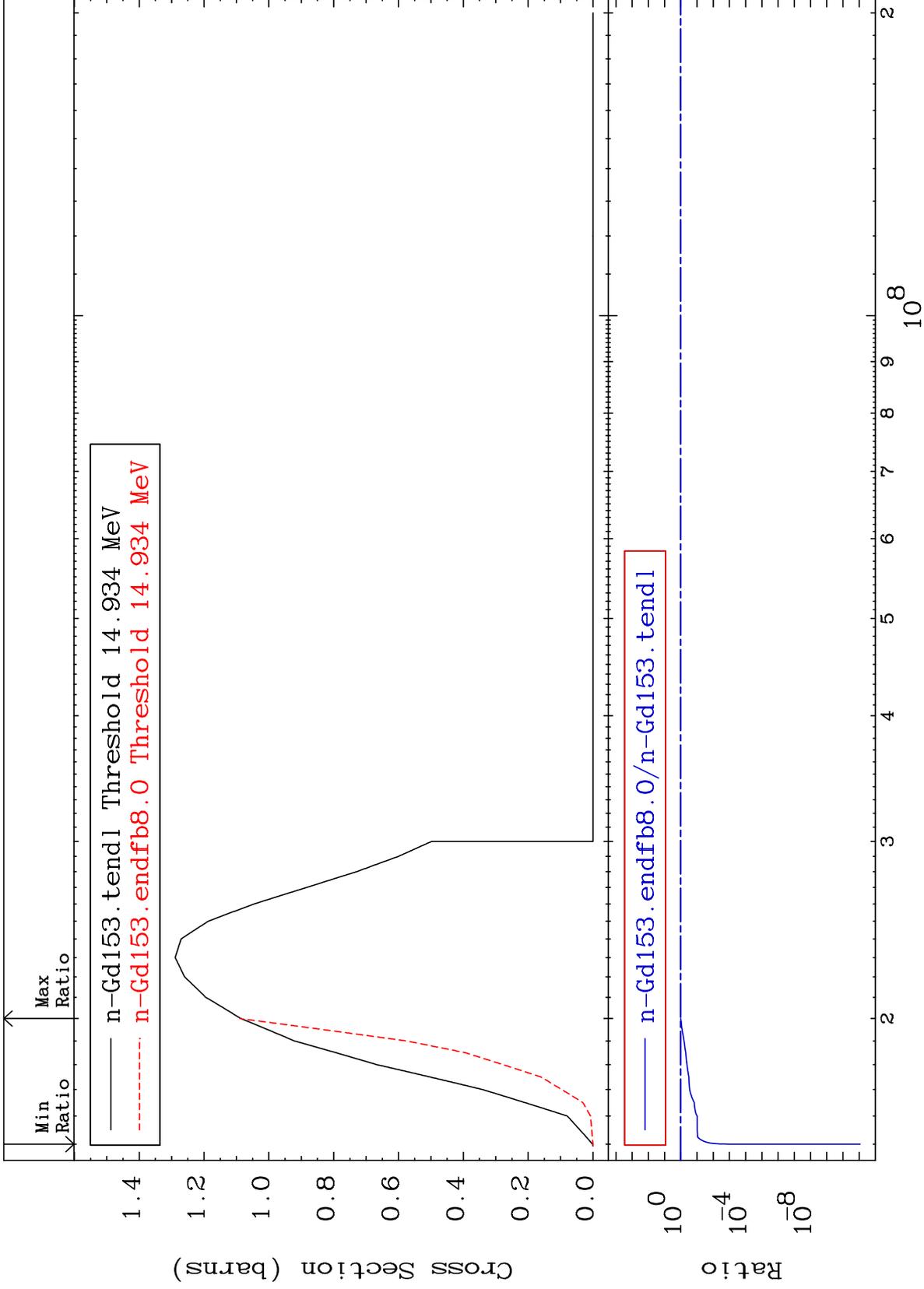
4

Incident Energy (eV)

64-Gd-153

Cross Section

-100.0 To 0.280 %



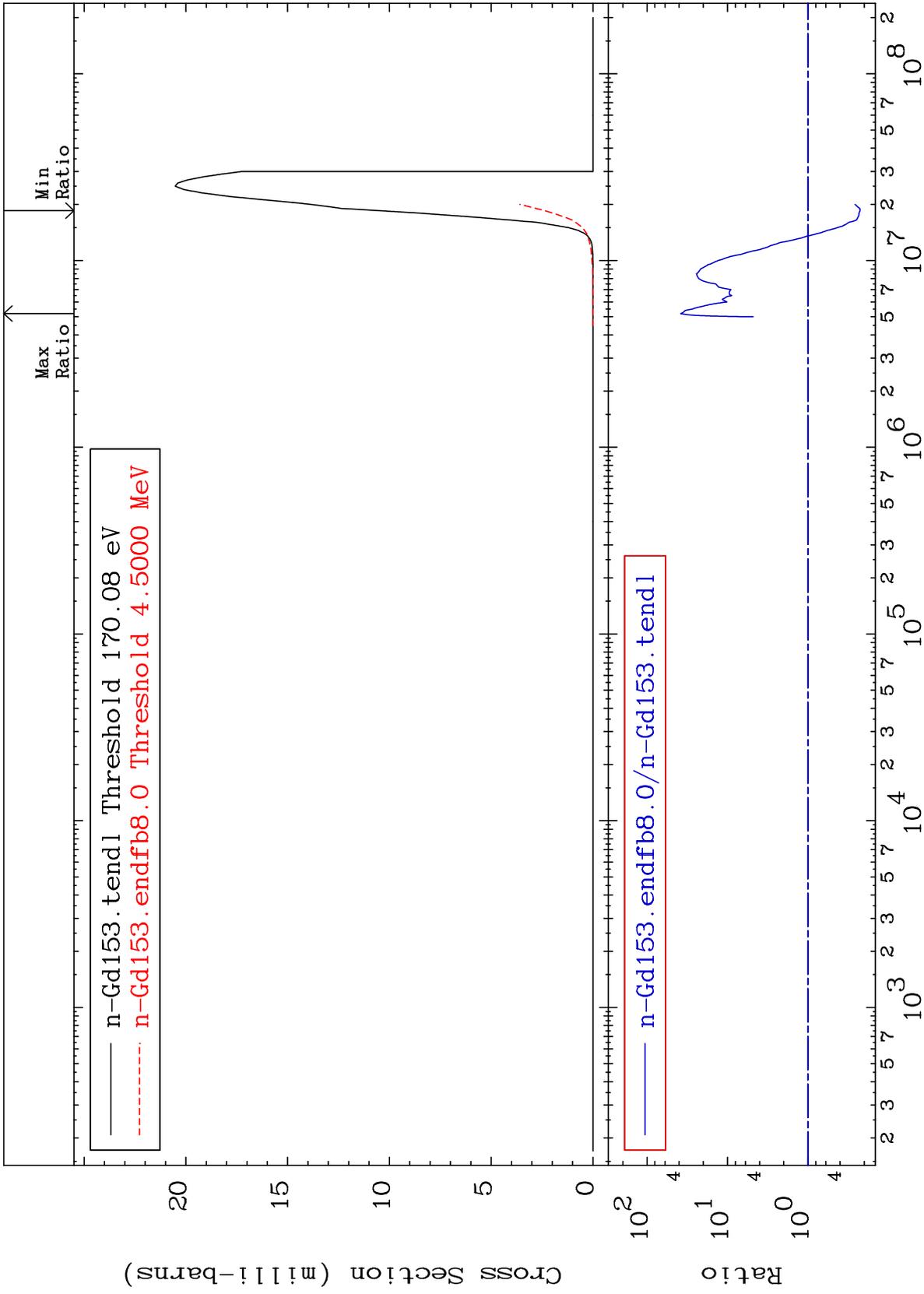
MAT 6428

(n, n') α

64-Gd-153

Cross Section

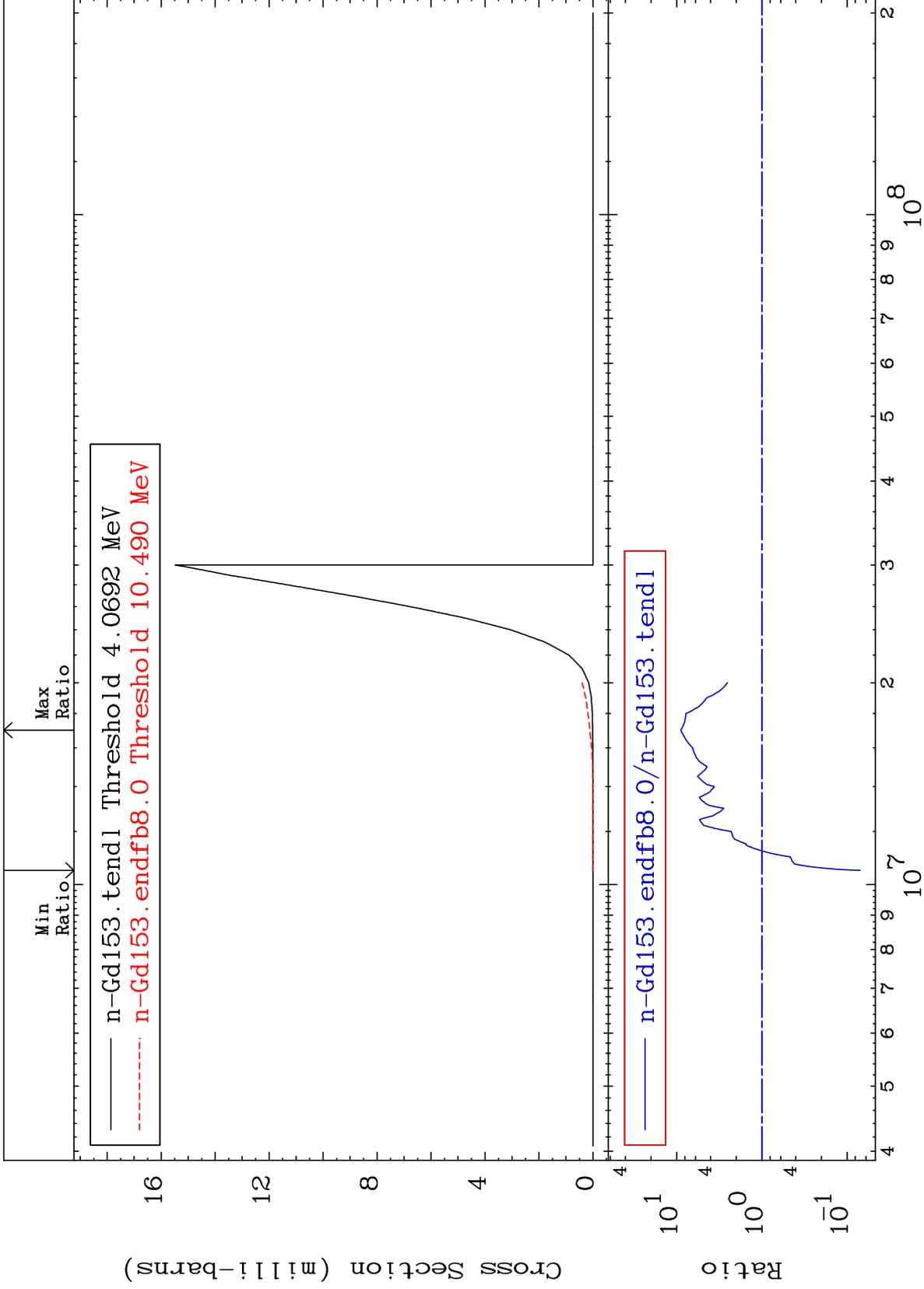
-77.51 To 3717. %



MAT 6428

(n,2n) α
Cross Section

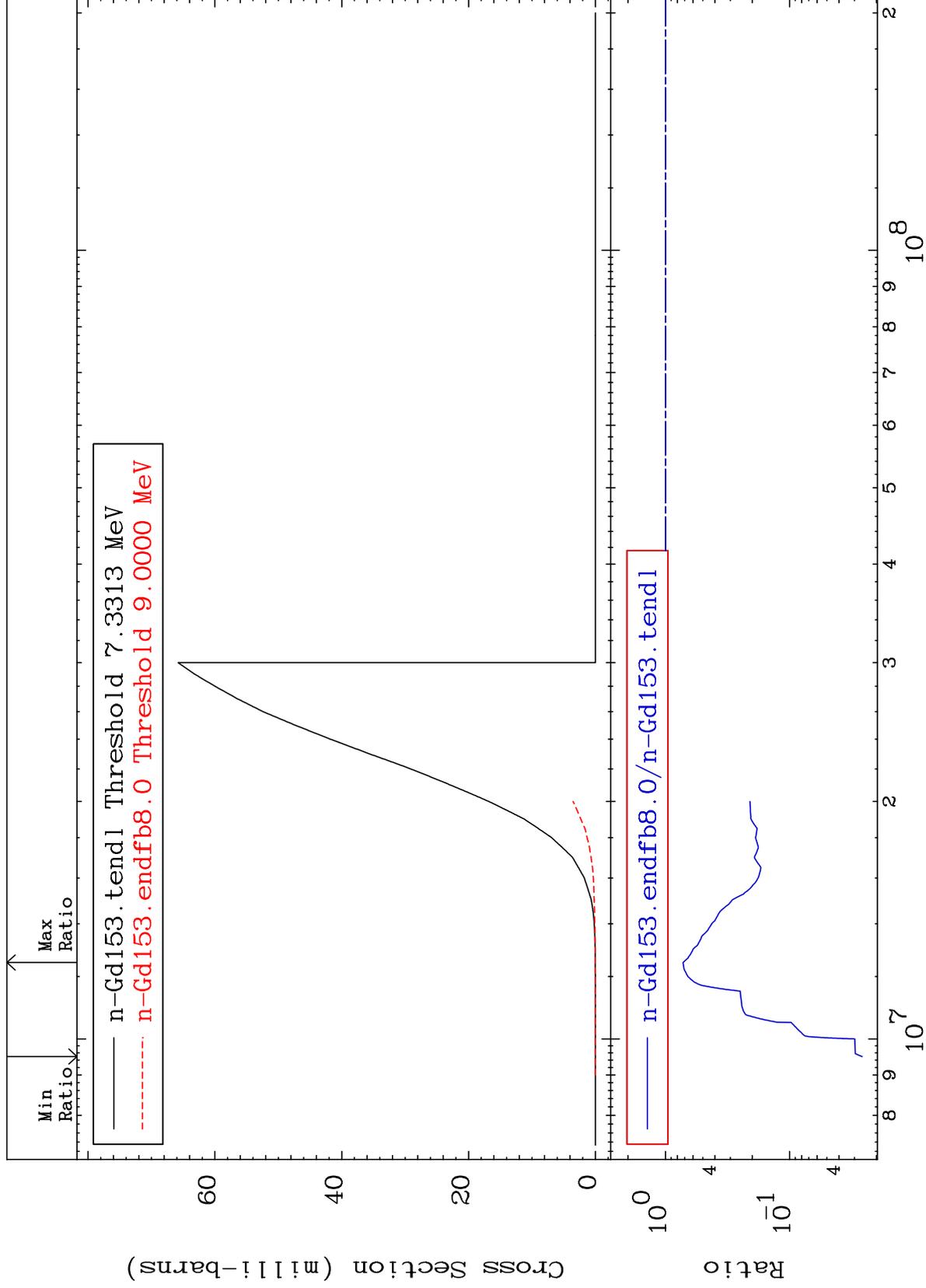
64-Gd-153
-92.97 To 794.9 %



MAT 6428

(n,n') p
Cross Section

64-Gd-153
-97.40 To -27.91%



8

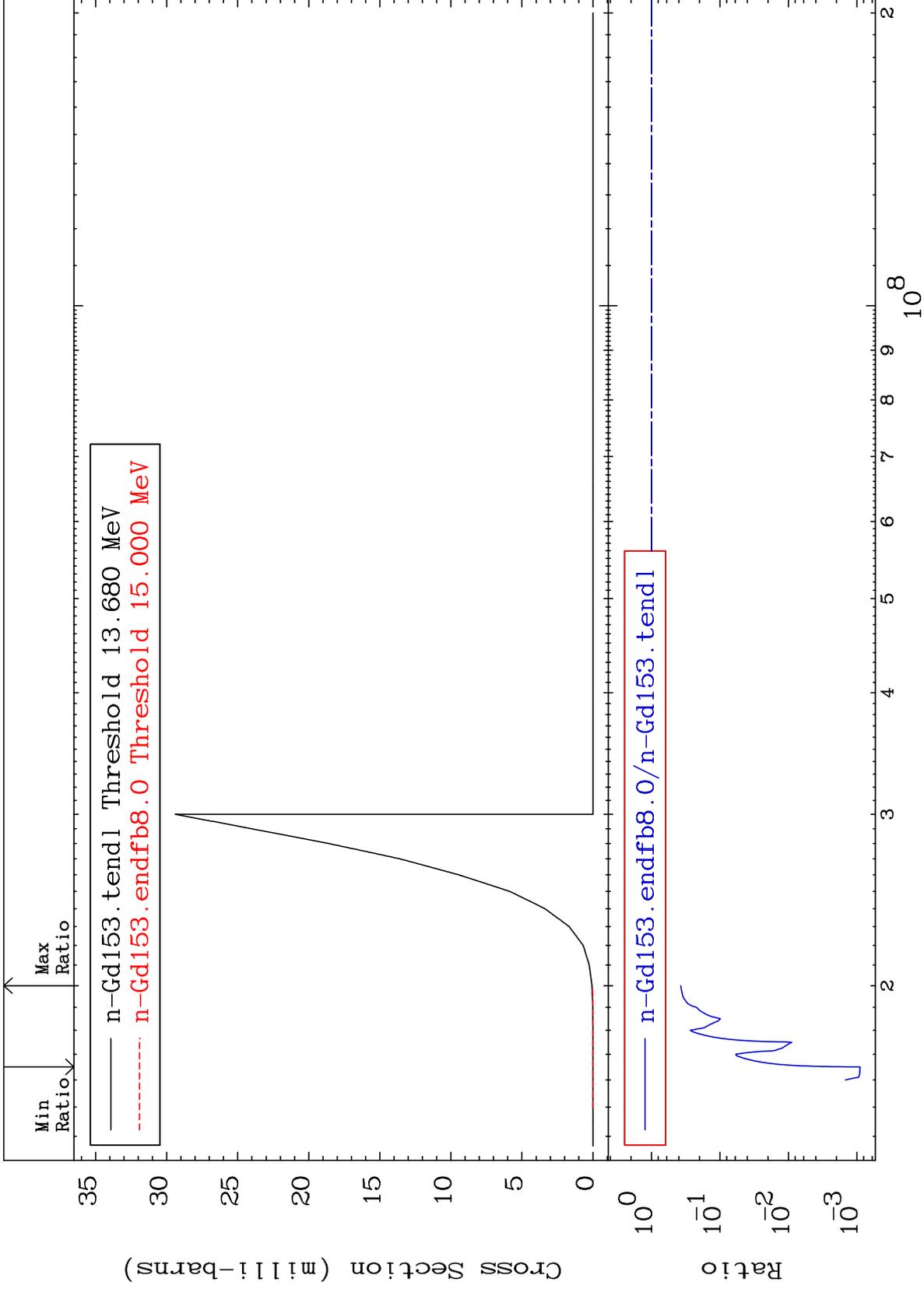
Incident Energy (eV)

64-Gd-153

MAT 6428

(n,2n) p
Cross Section

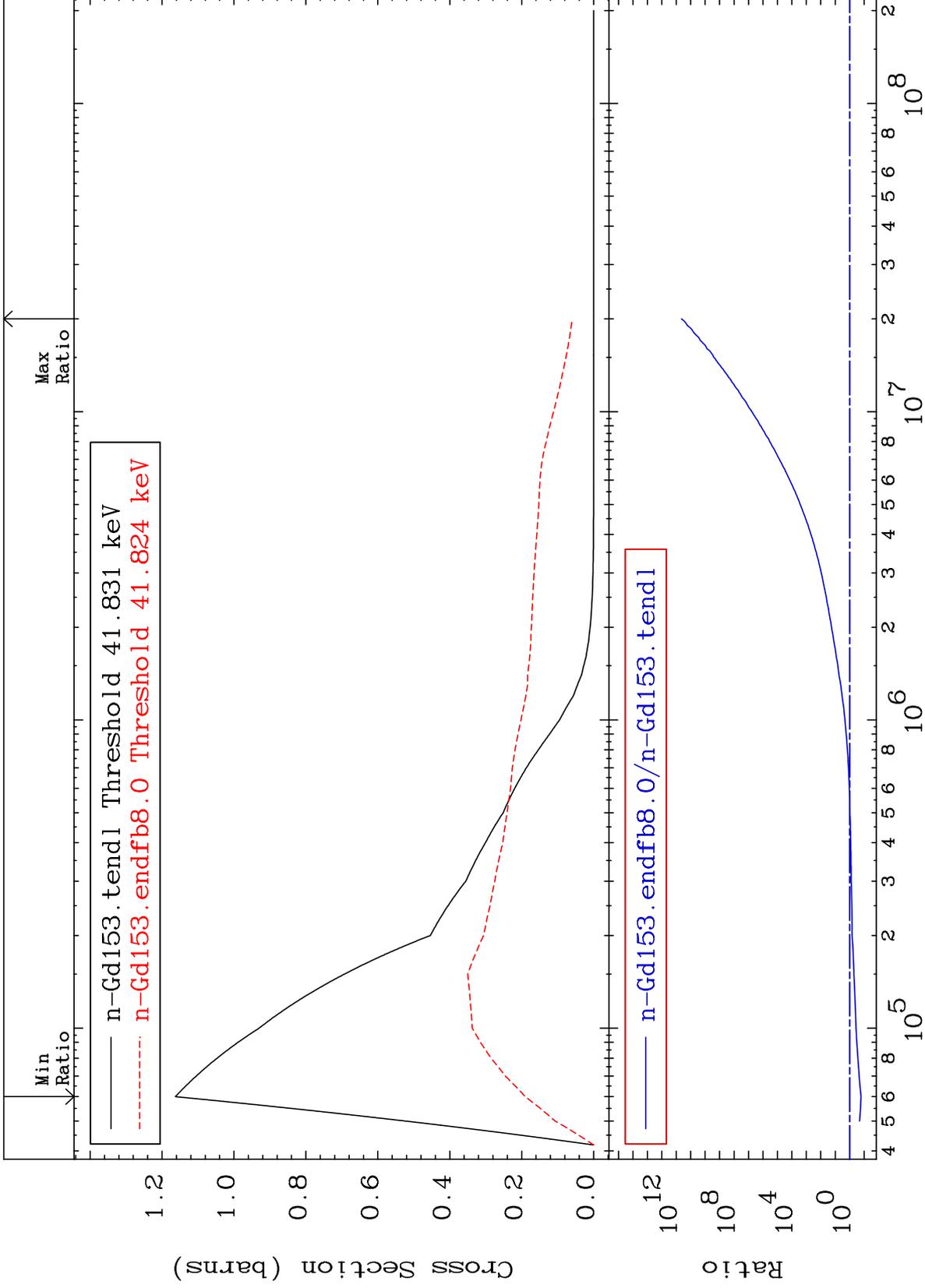
64-Gd-153
-99.91 To -62.54%



MAT 6428

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

64-Gd-153
-83.65 To 9999. %



10

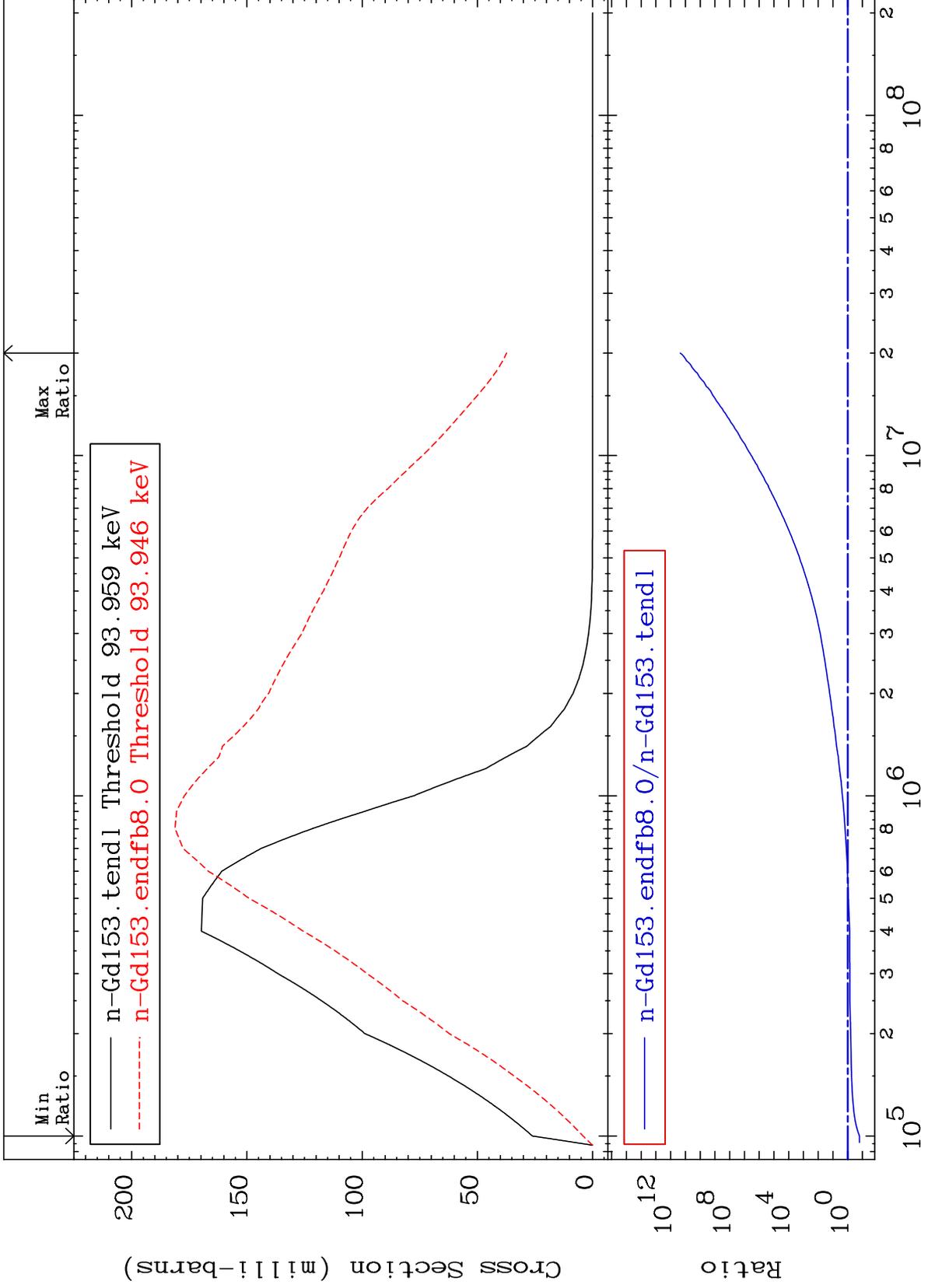
Incident Energy (eV)

64-Gd-153

MAT 6428

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

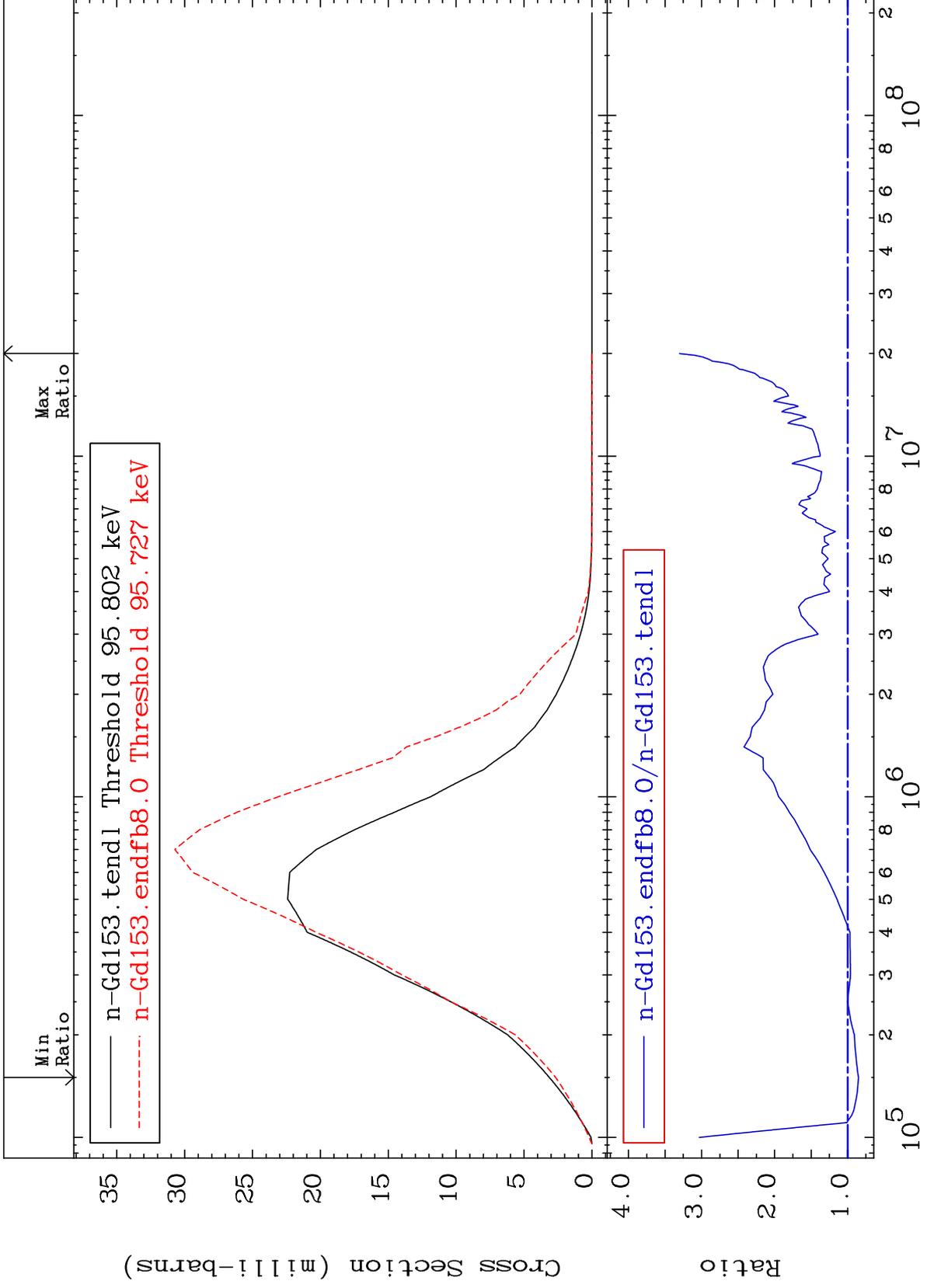
64-Gd-153
-84.11 To 9999. %



MAT 6428

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

64-Gd-153
-14.88 To 230.2 %



12

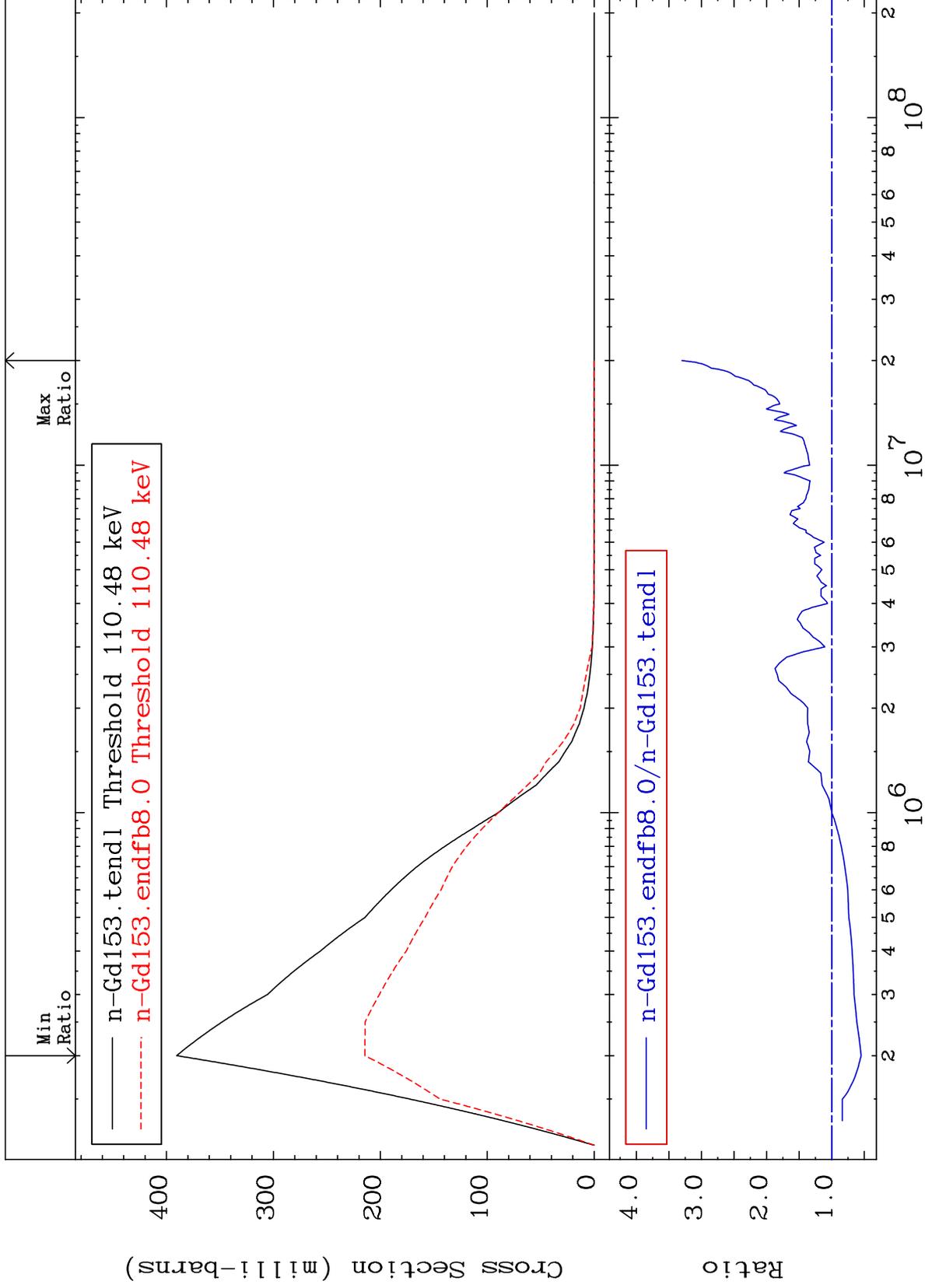
Incident Energy (eV)

64-Gd-153

MAT 6428

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

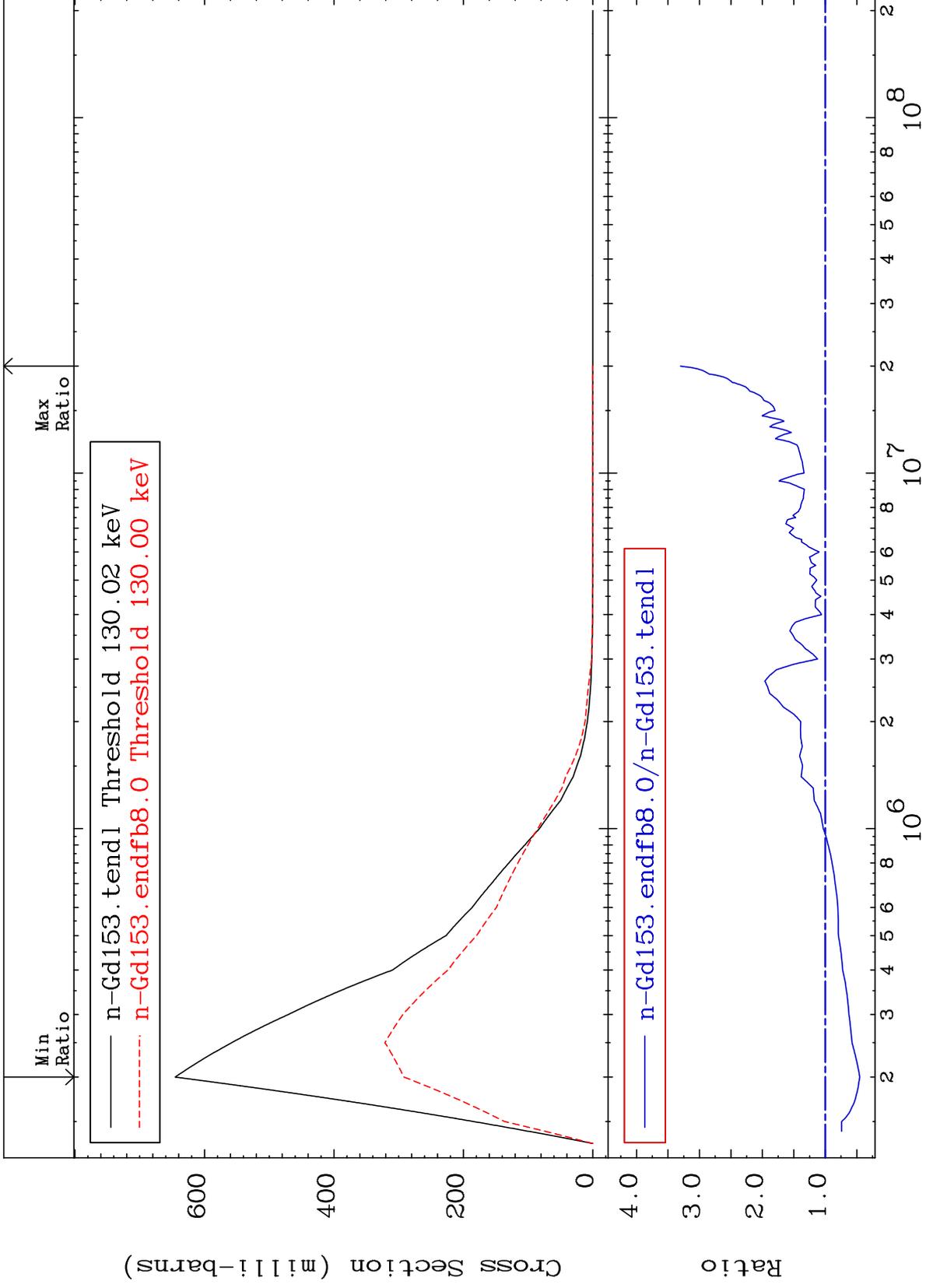
64-Gd-153
-45.09 To 230.2 %



MAT 6428

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

64-Gd-153
-54.79 To 230.1 %



14

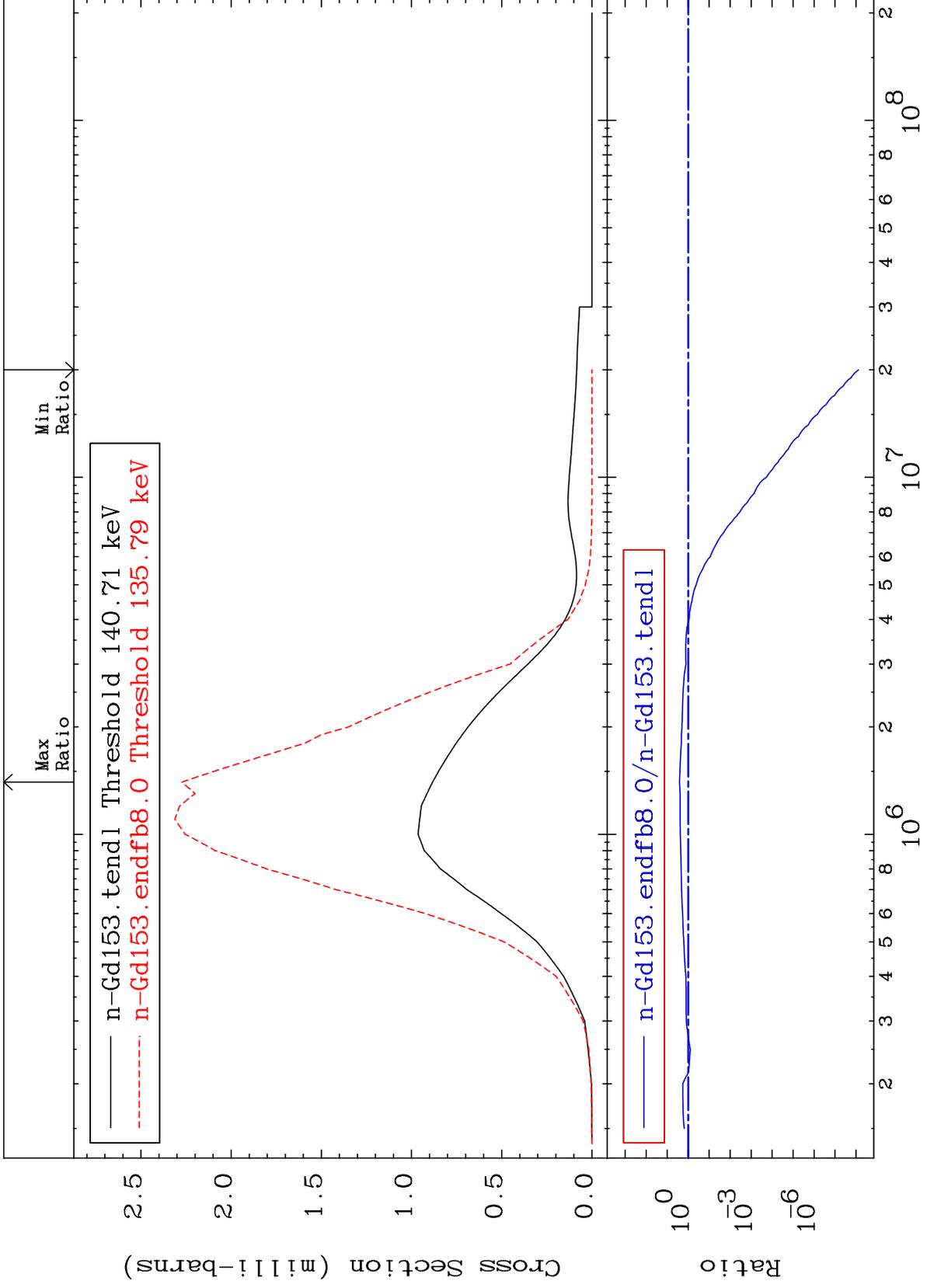
Incident Energy (eV)

64-Gd-153

MAT 6428

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

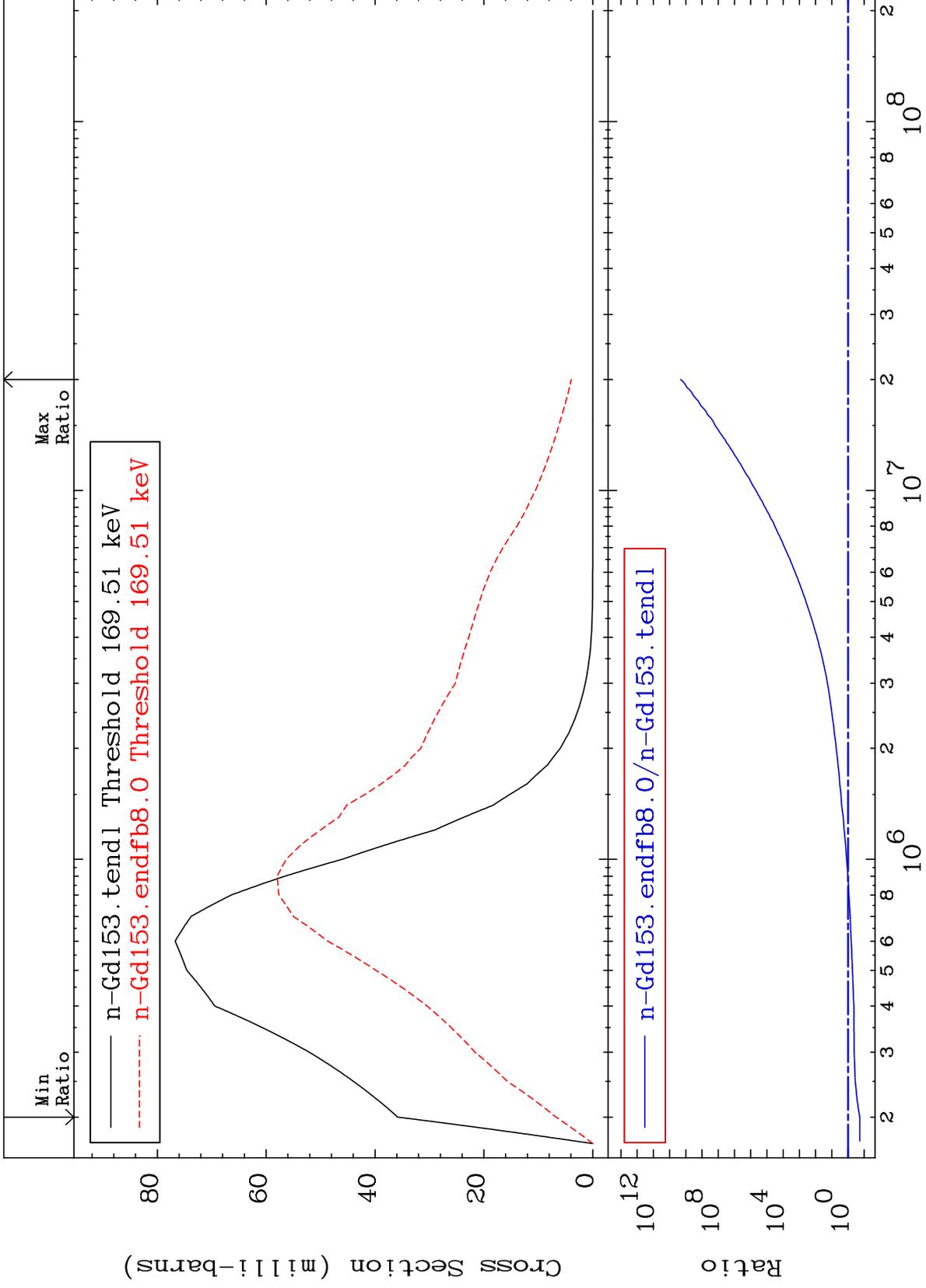
64-Gd-153
-100.0 To 157.4 %



MAT 6428

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

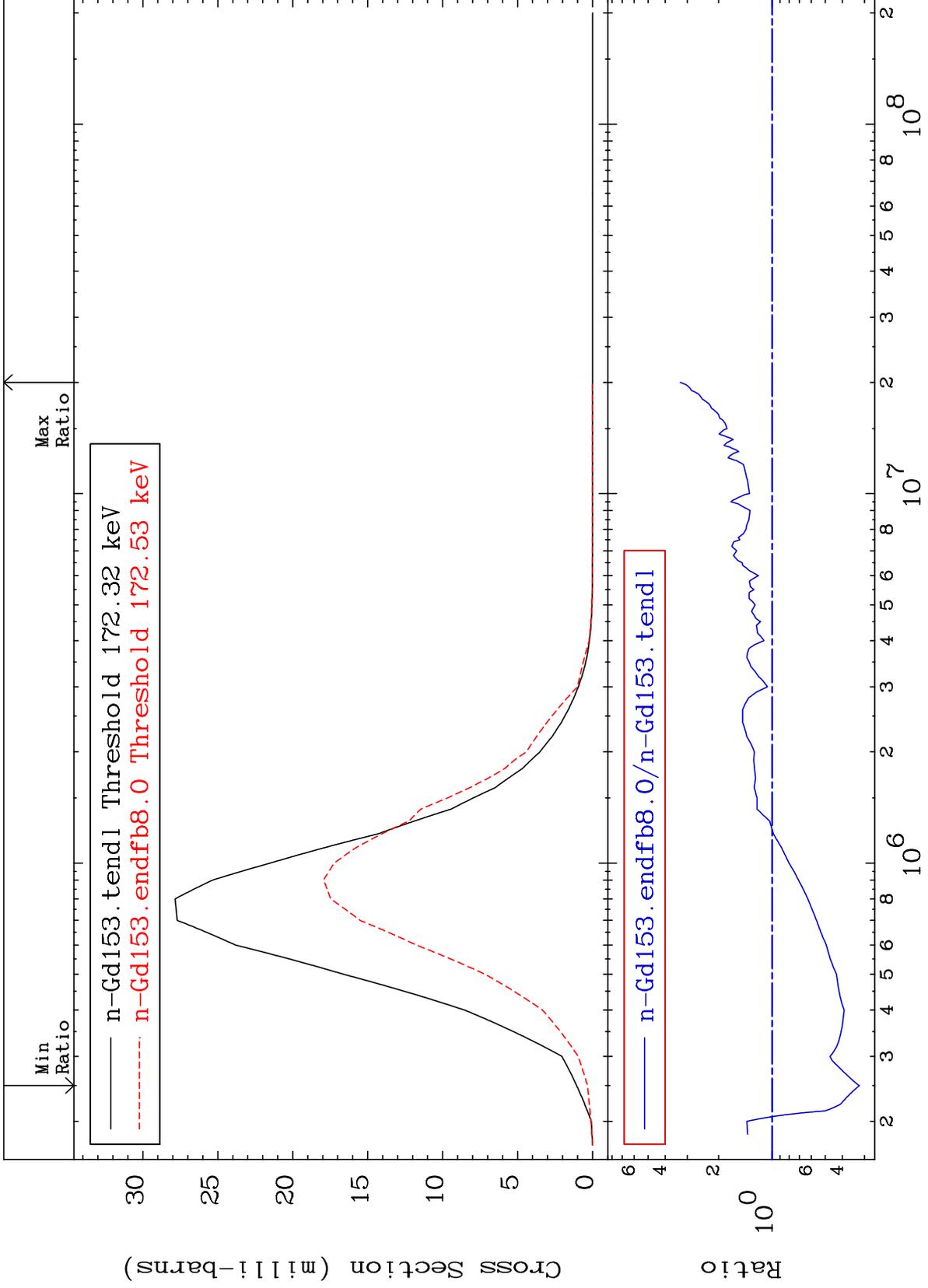
64-Gd-153
-81.15 To 9999. %



MAT 6428

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

64-Gd-153
-67.94 To 229.2 %



17

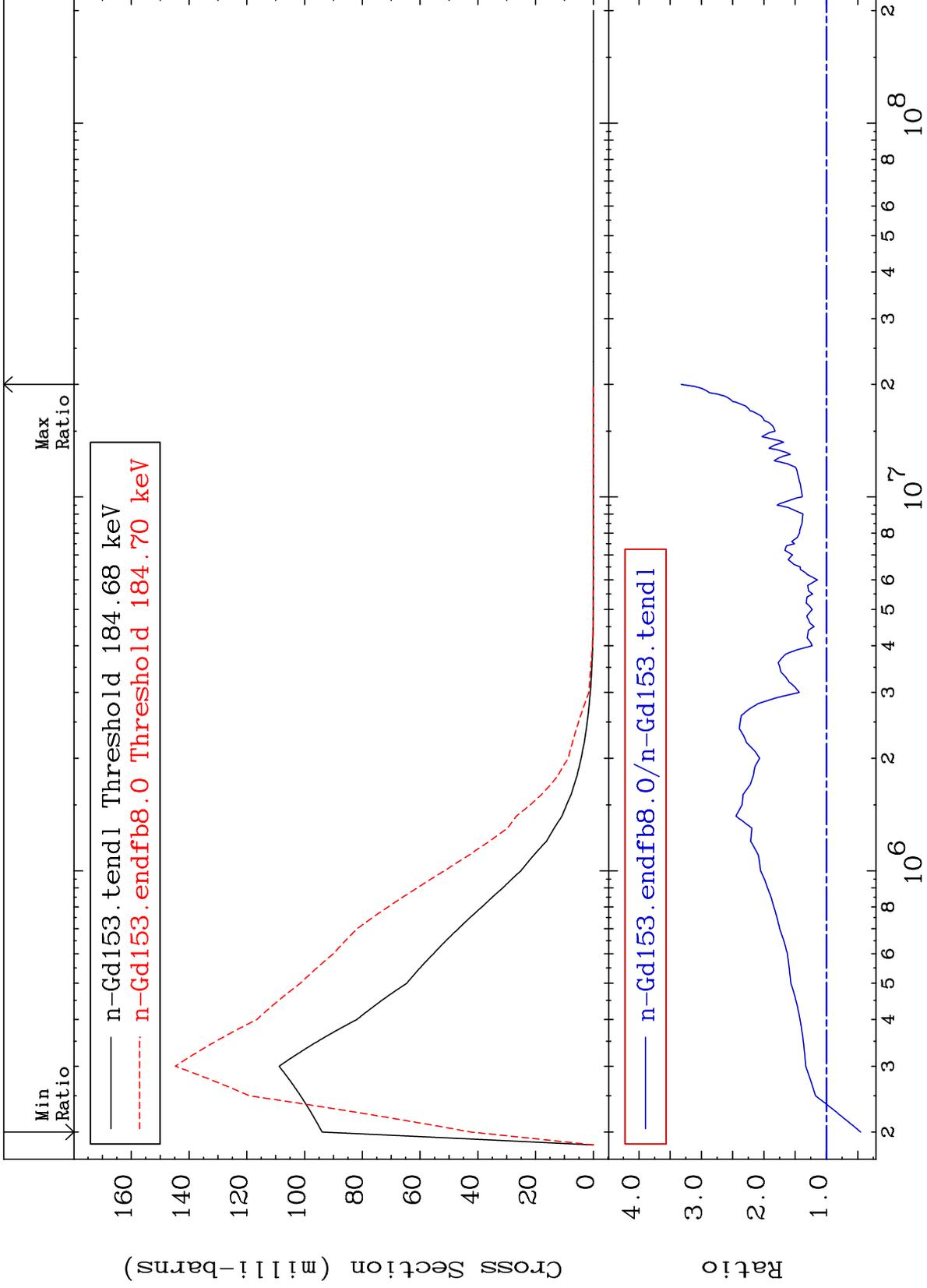
Incident Energy (eV)

64-Gd-153

MAT 6428

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

64-Gd-153
-54.85 To 232.3 %



18

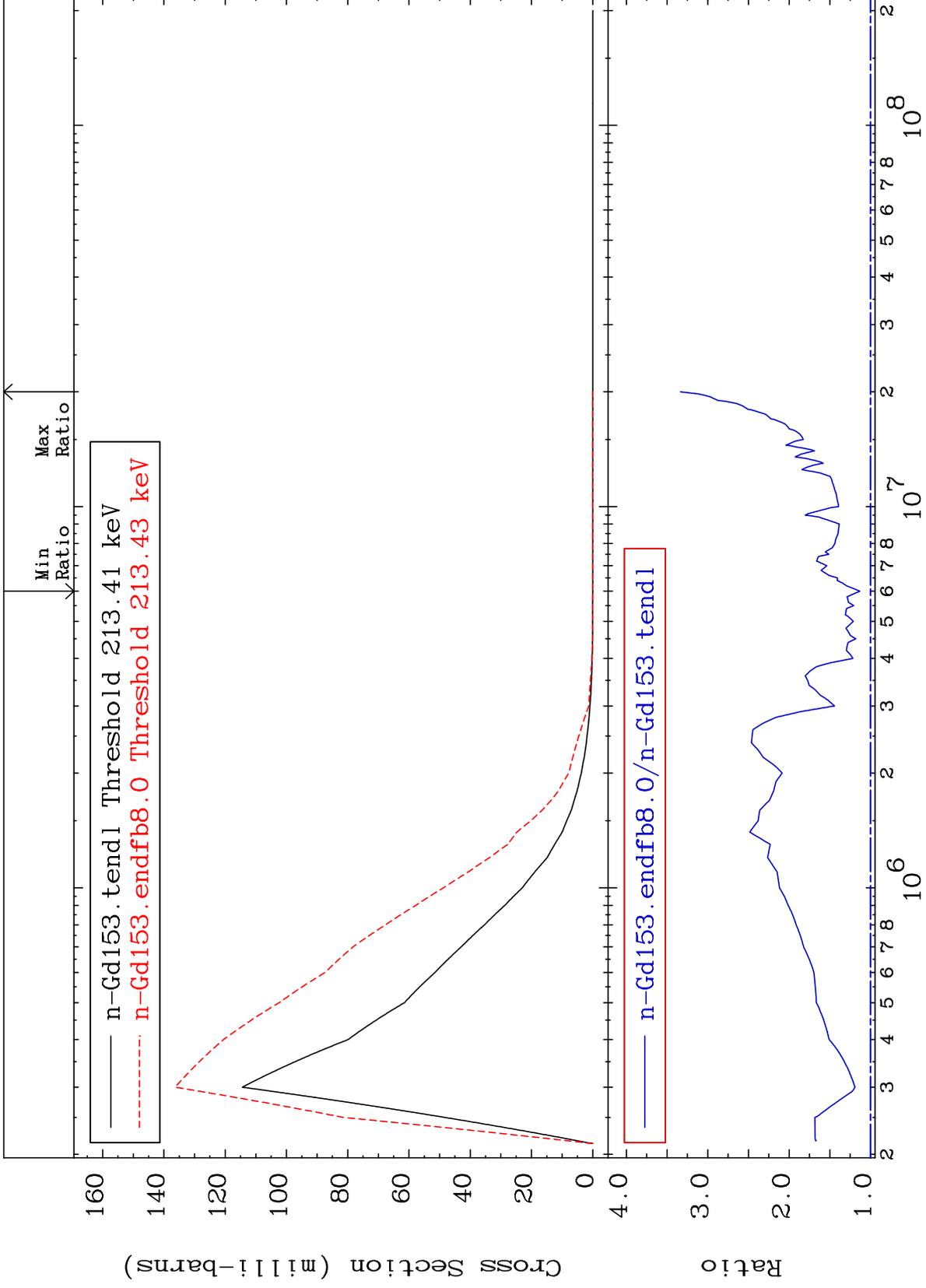
Incident Energy (eV)

64-Gd-153

MAT 6428

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

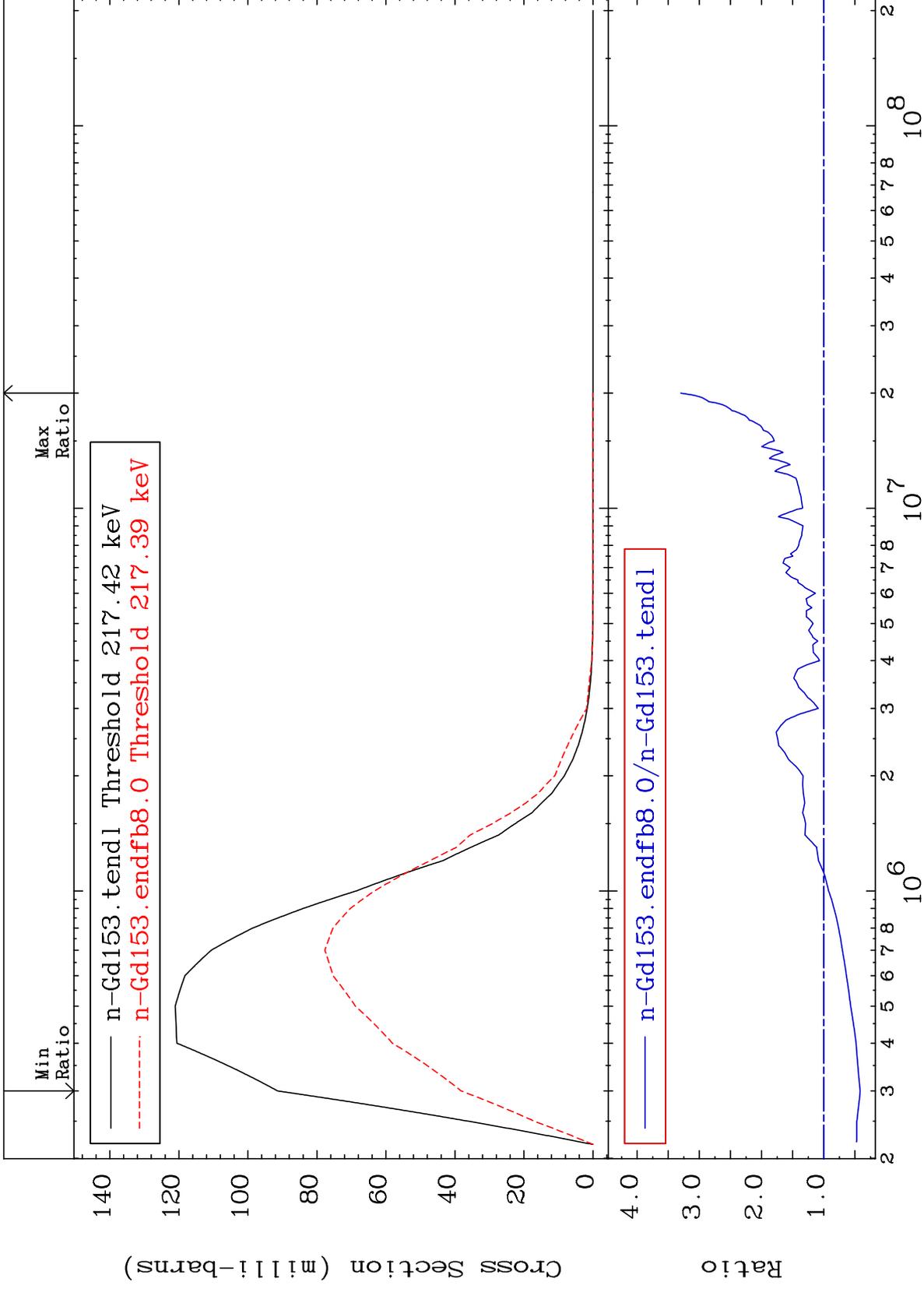
64-Gd-153
13.30 To 233.4 %



MAT 6428

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

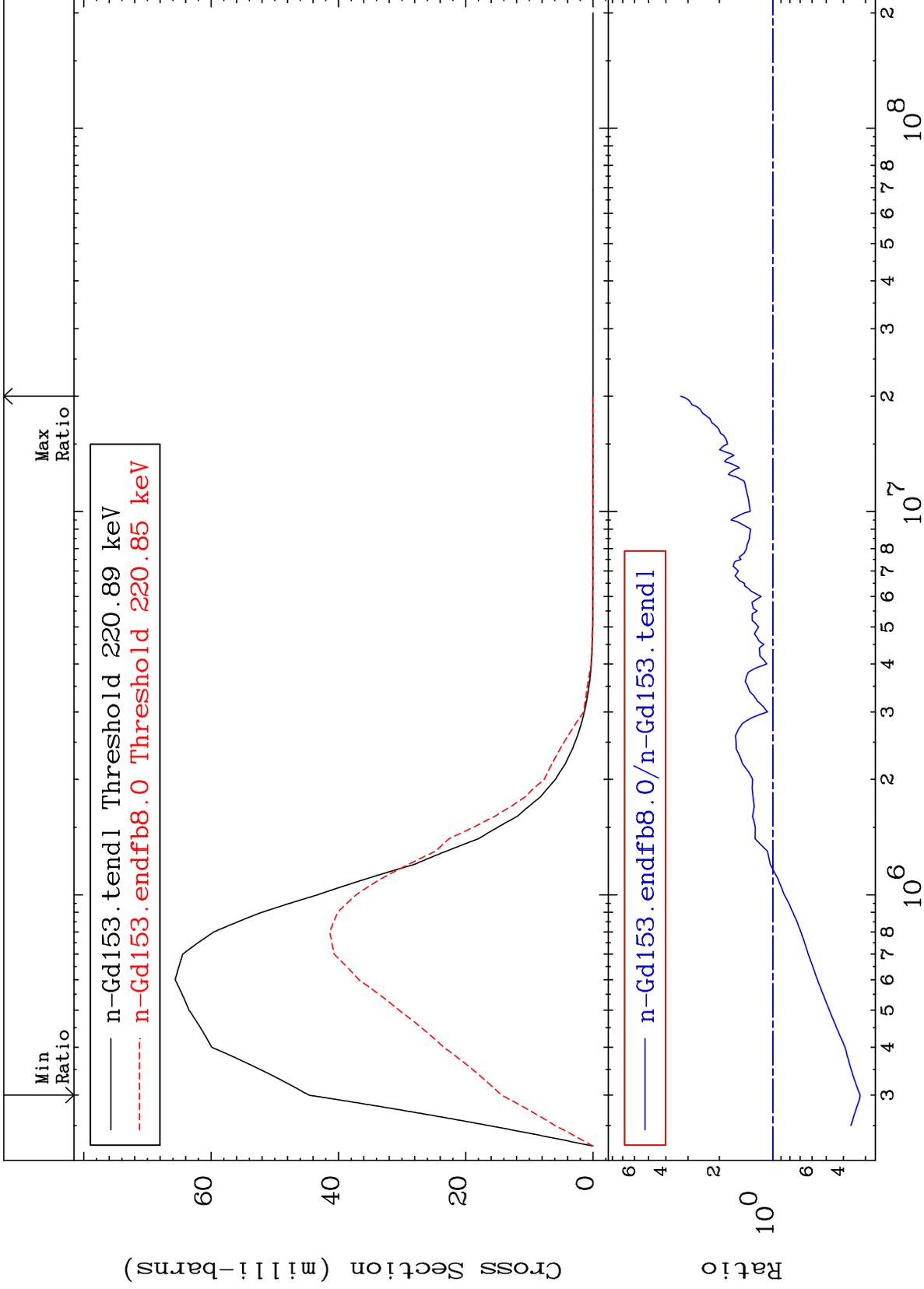
64-Gd-153
-58.23 To 229.9 %

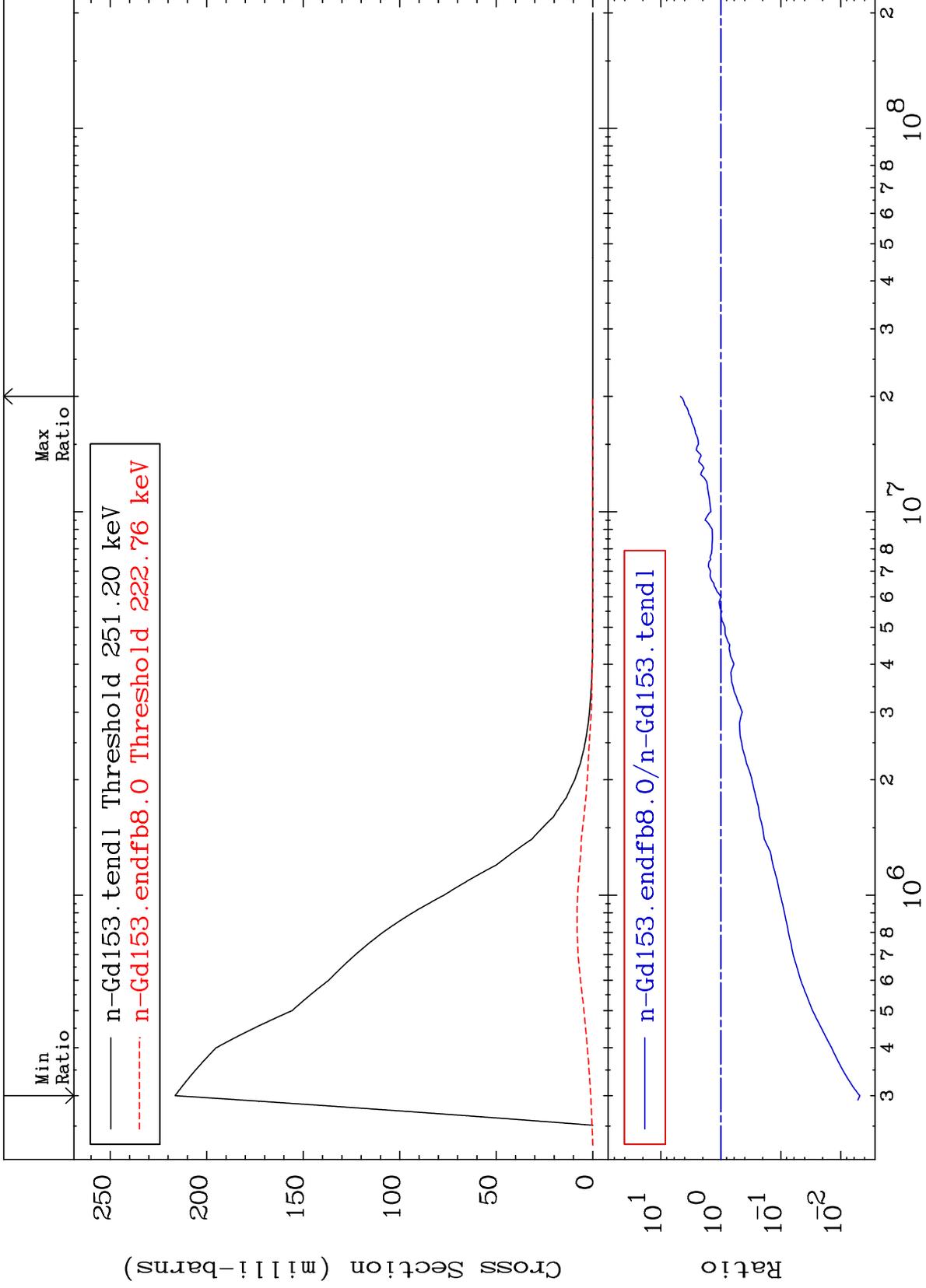


20

Incident Energy (eV)

64-Gd-153

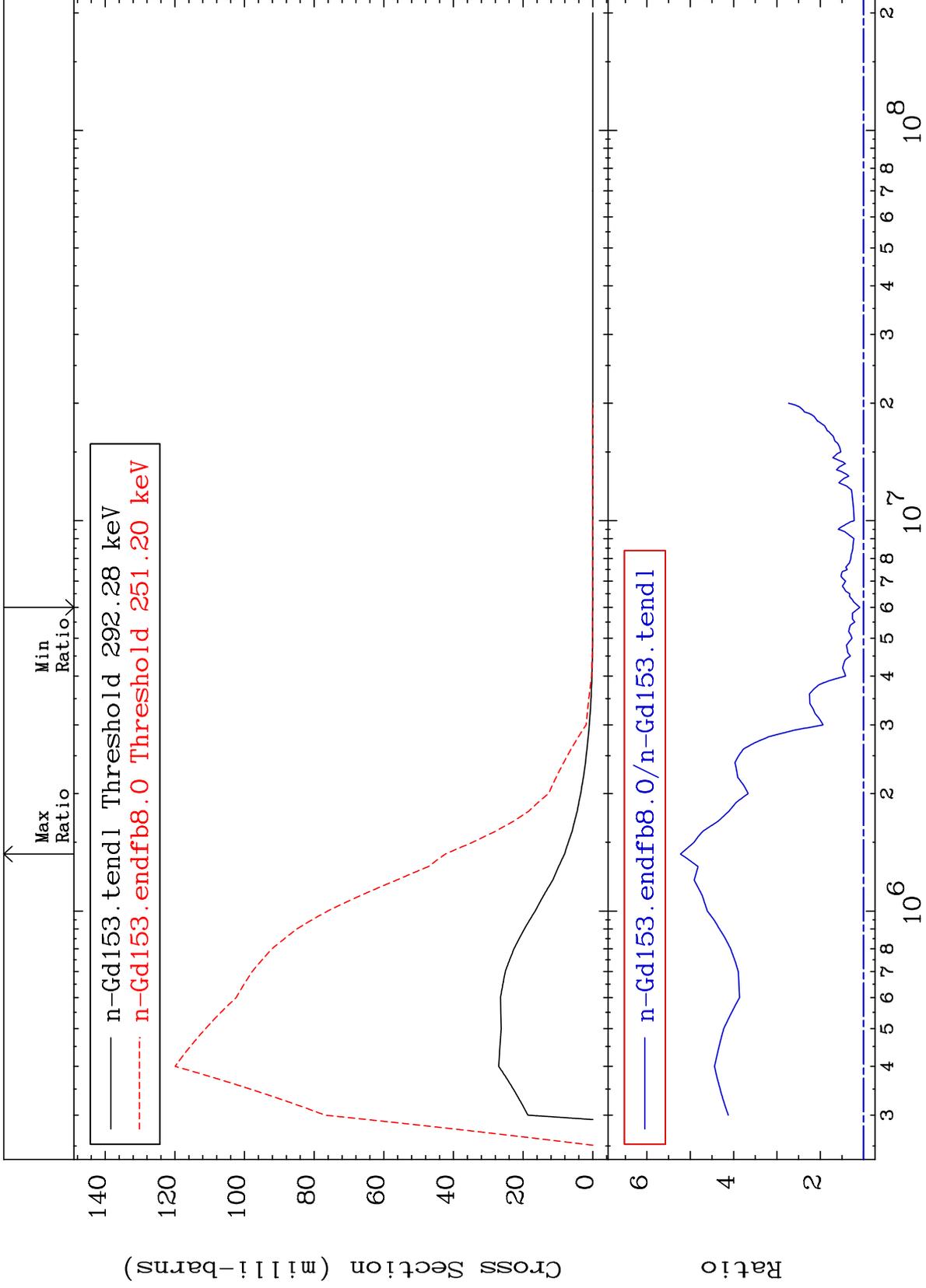




MAT 6428

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

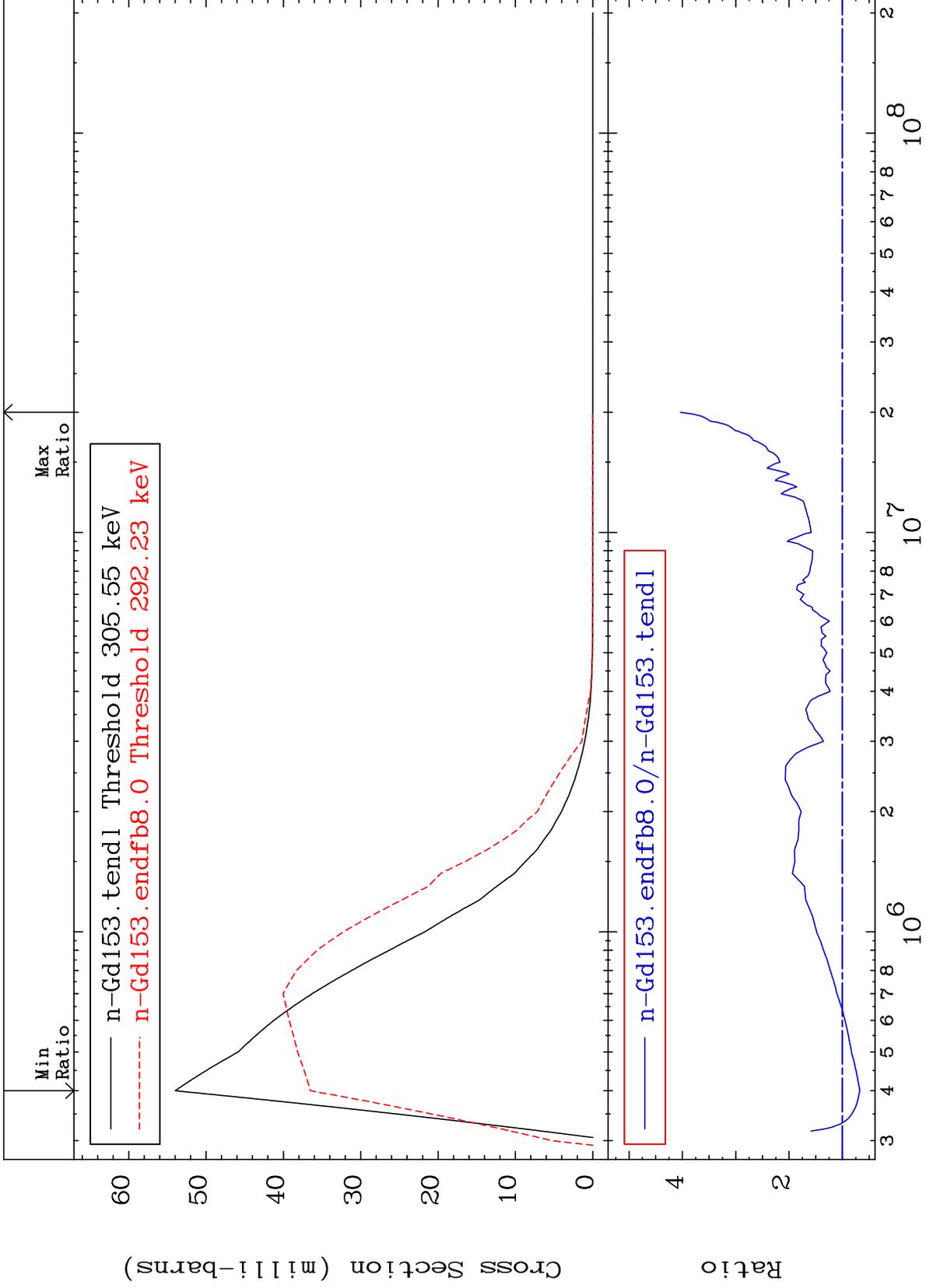
64-Gd-153
8.897 To 422.6 %

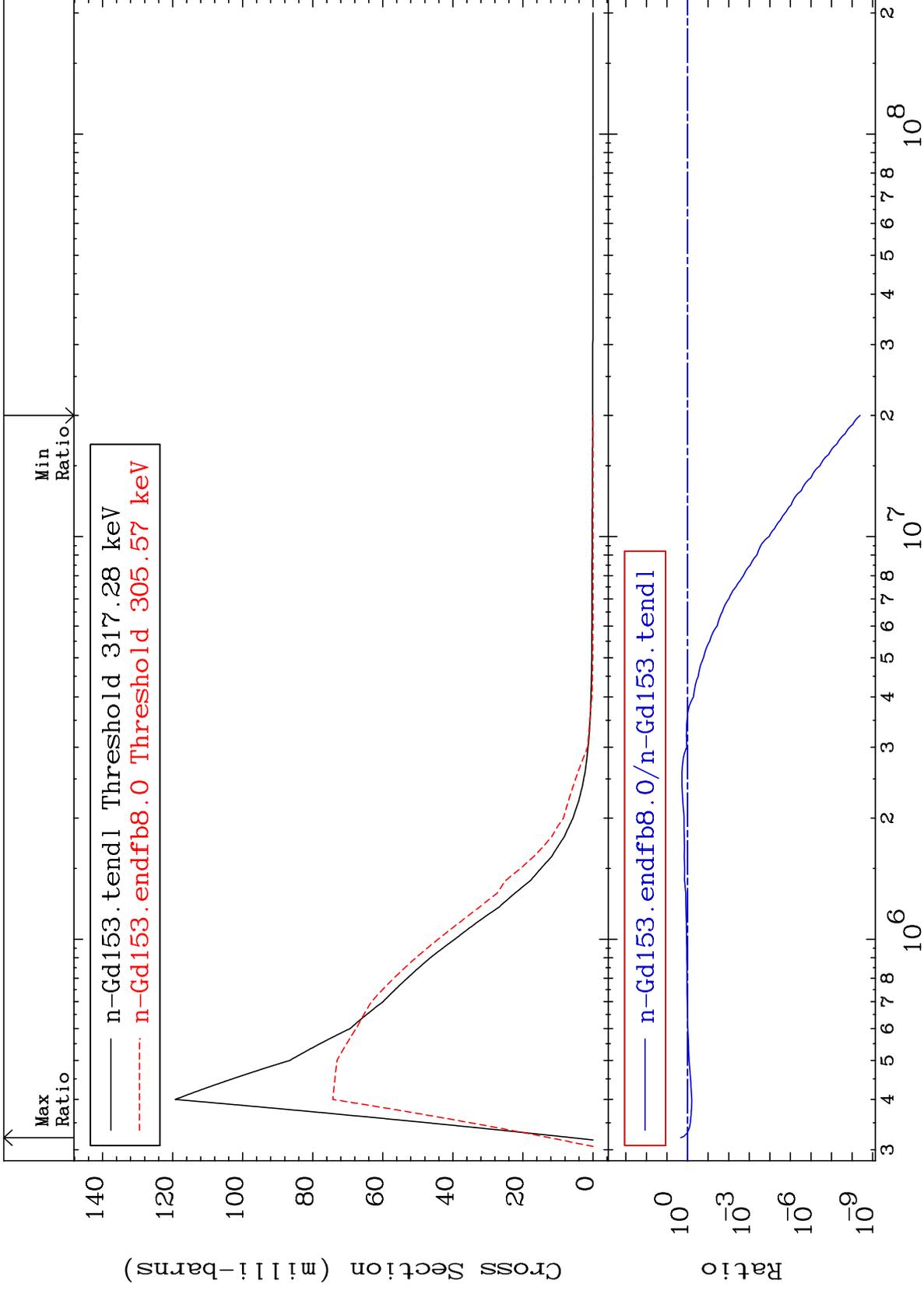


MAT 6428

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

64-Gd-153
-32.42 To 303.5 %

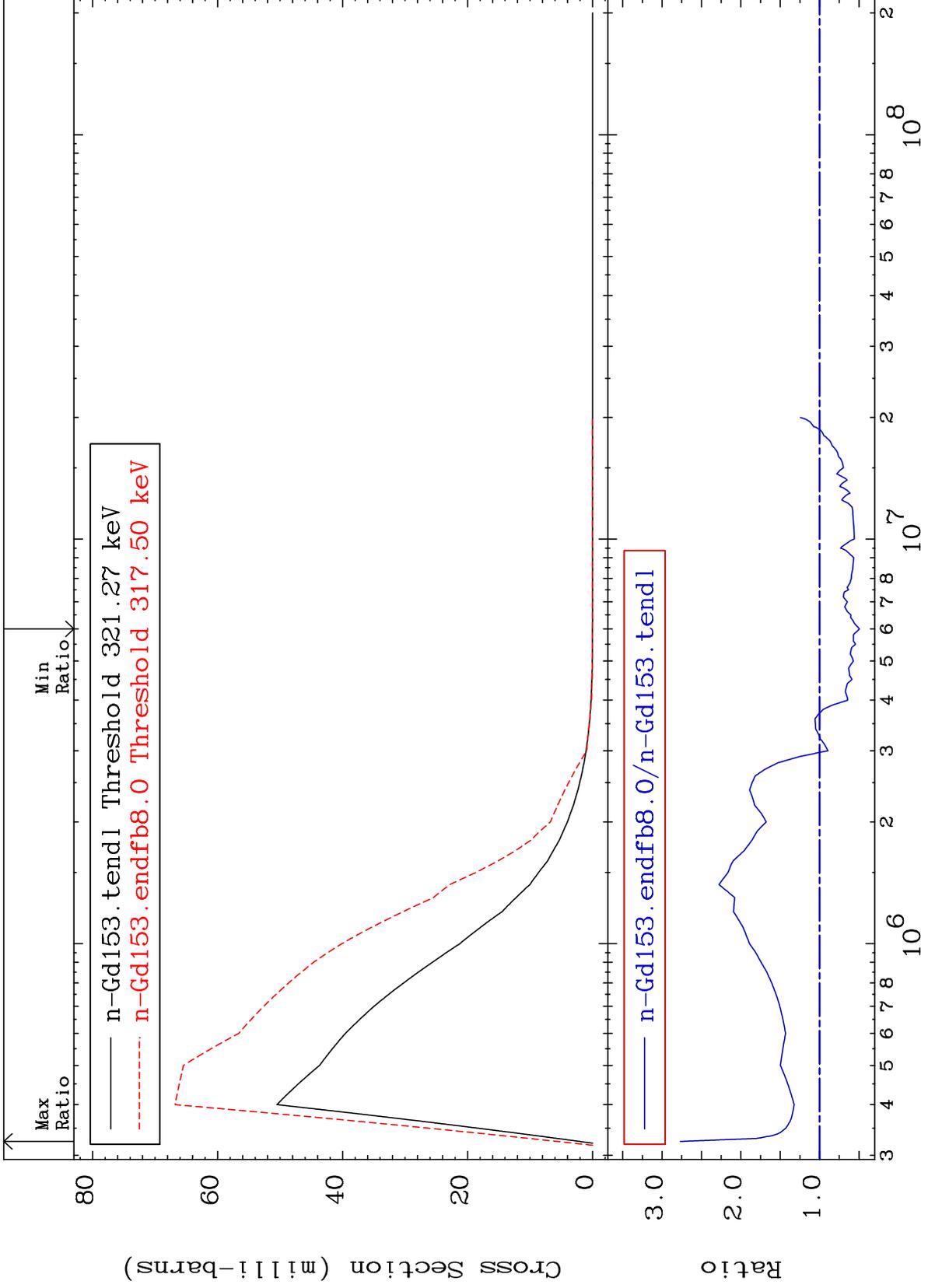




MAT 6428

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

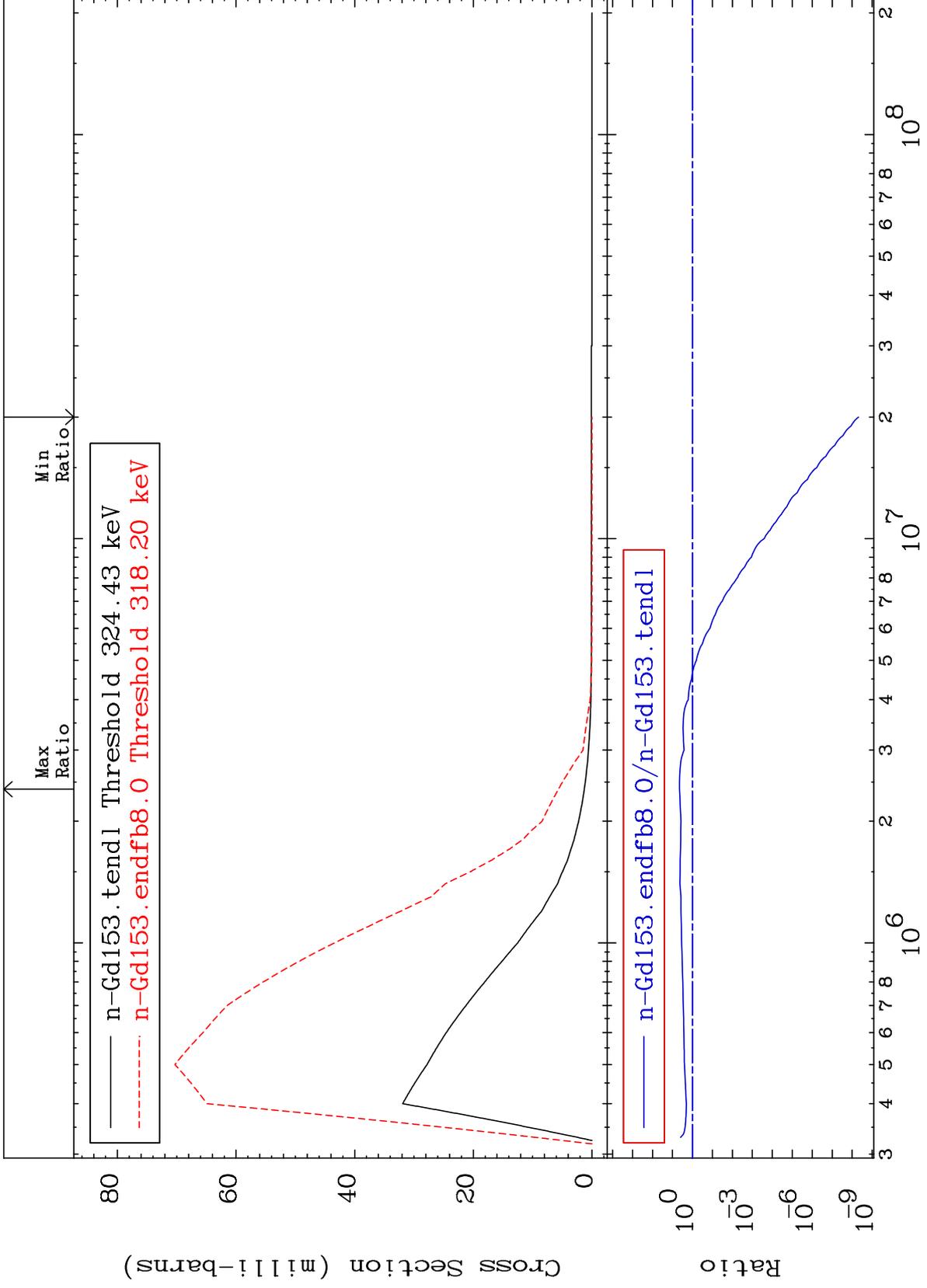
64-Gd-153
-50.63 To 176.9 %

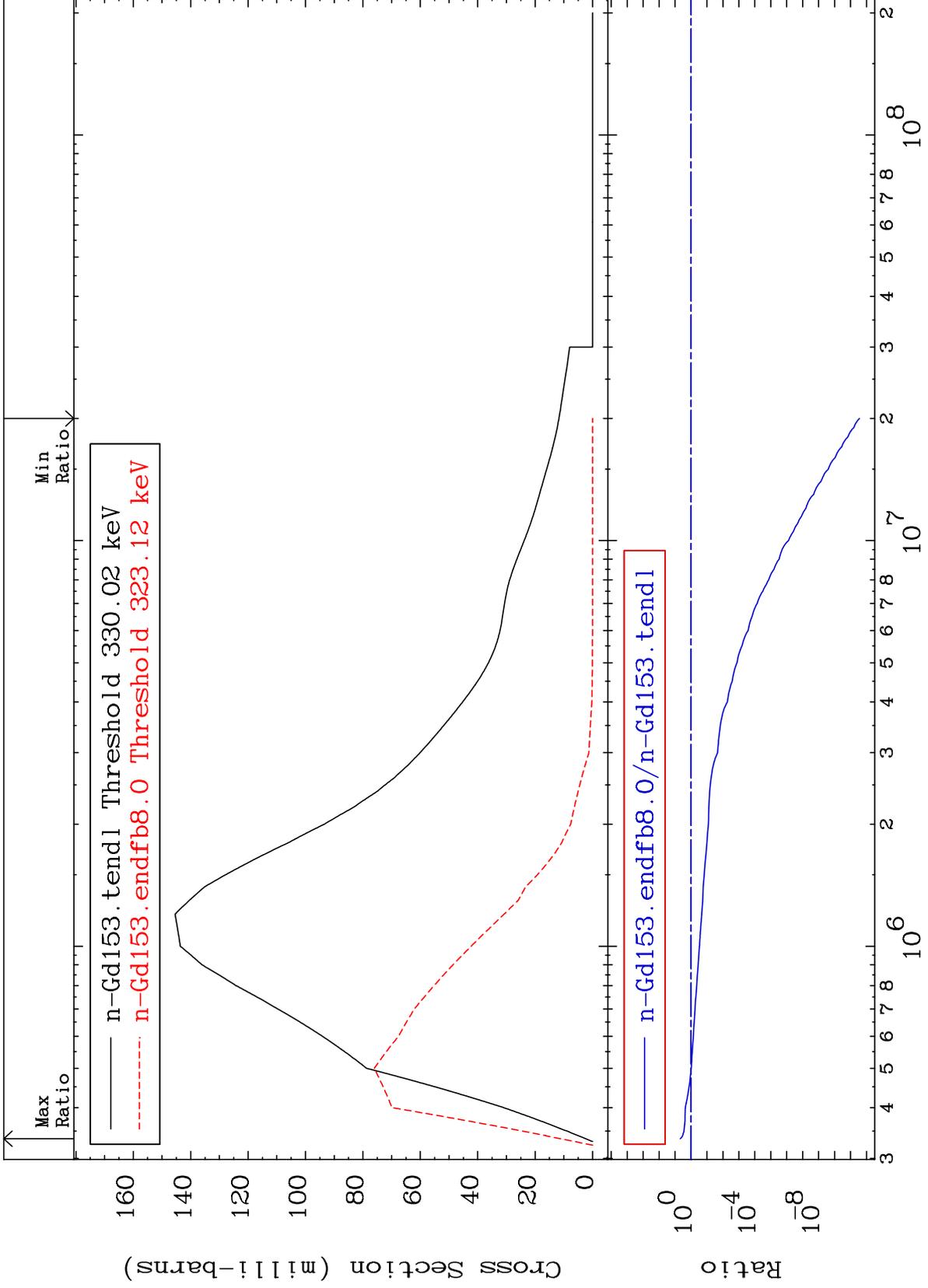


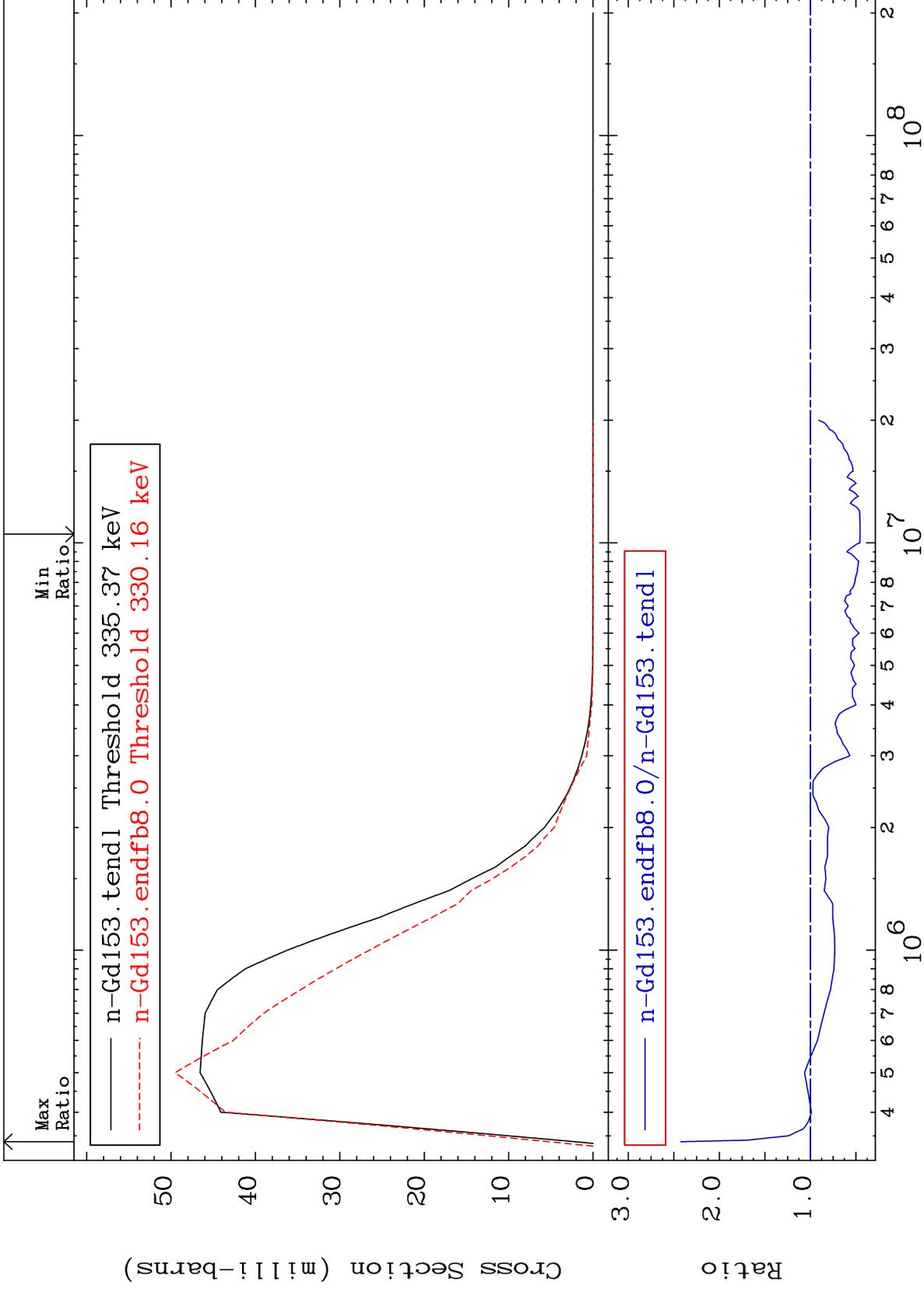
MAT 6428

MT= 68 (n,n') Level
Cross Section

64-Gd-153
-100.0 To 343.1 %



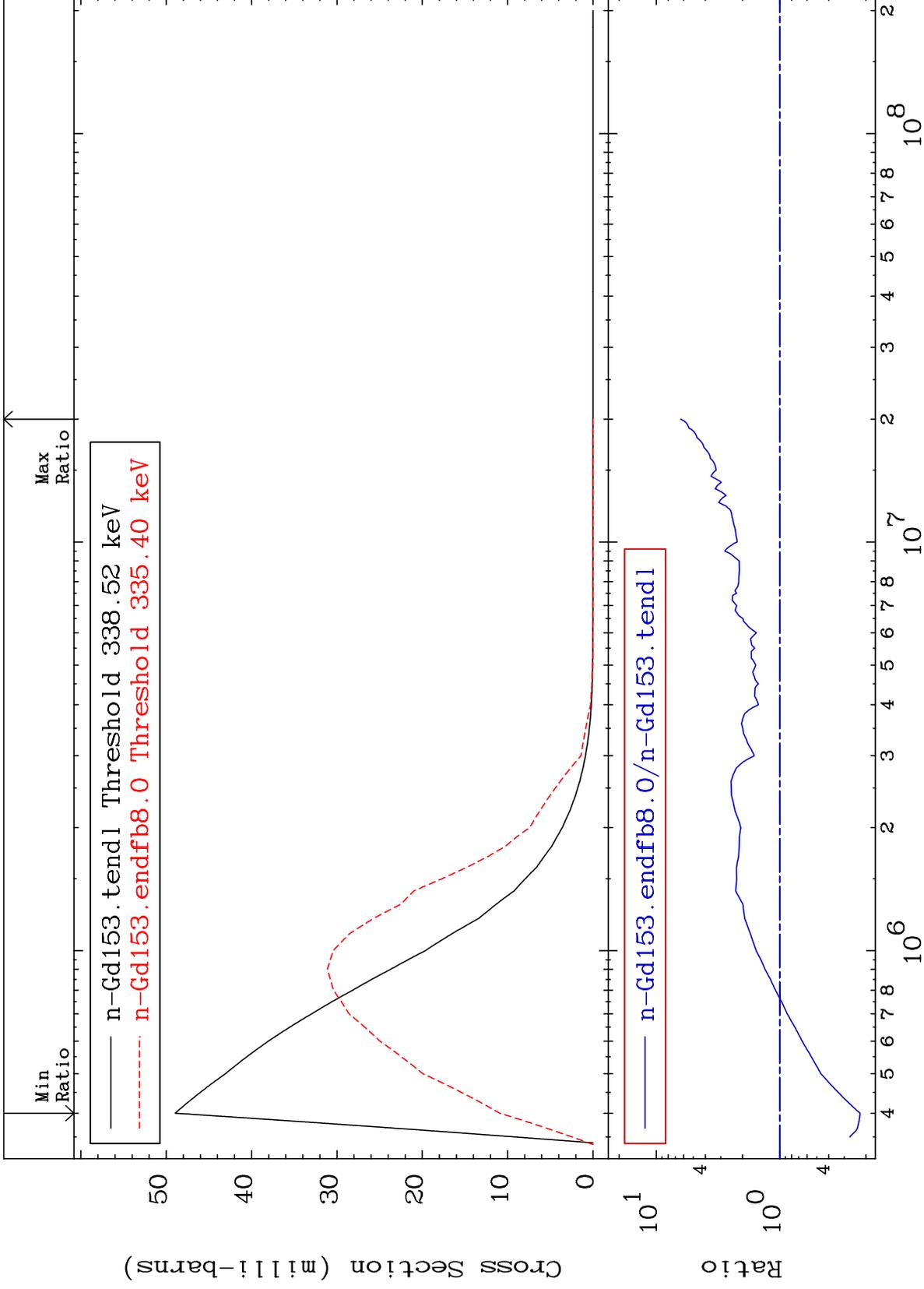




MAT 6428

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

64-Gd-153
-77.72 To 532.3 %



30

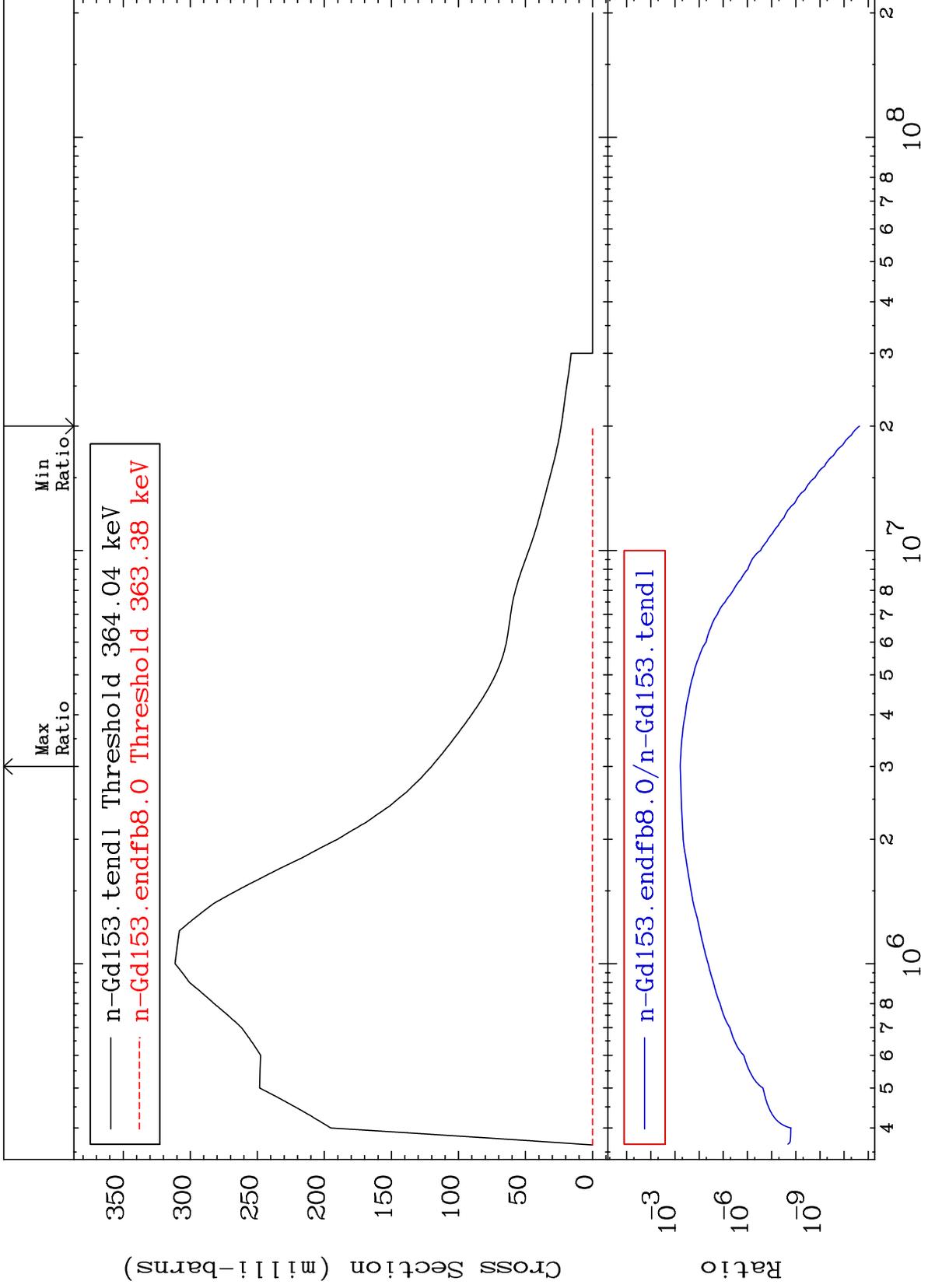
Incident Energy (eV)

64-Gd-153

MAT 6428

MT= 72 (n,n') Level
Cross Section

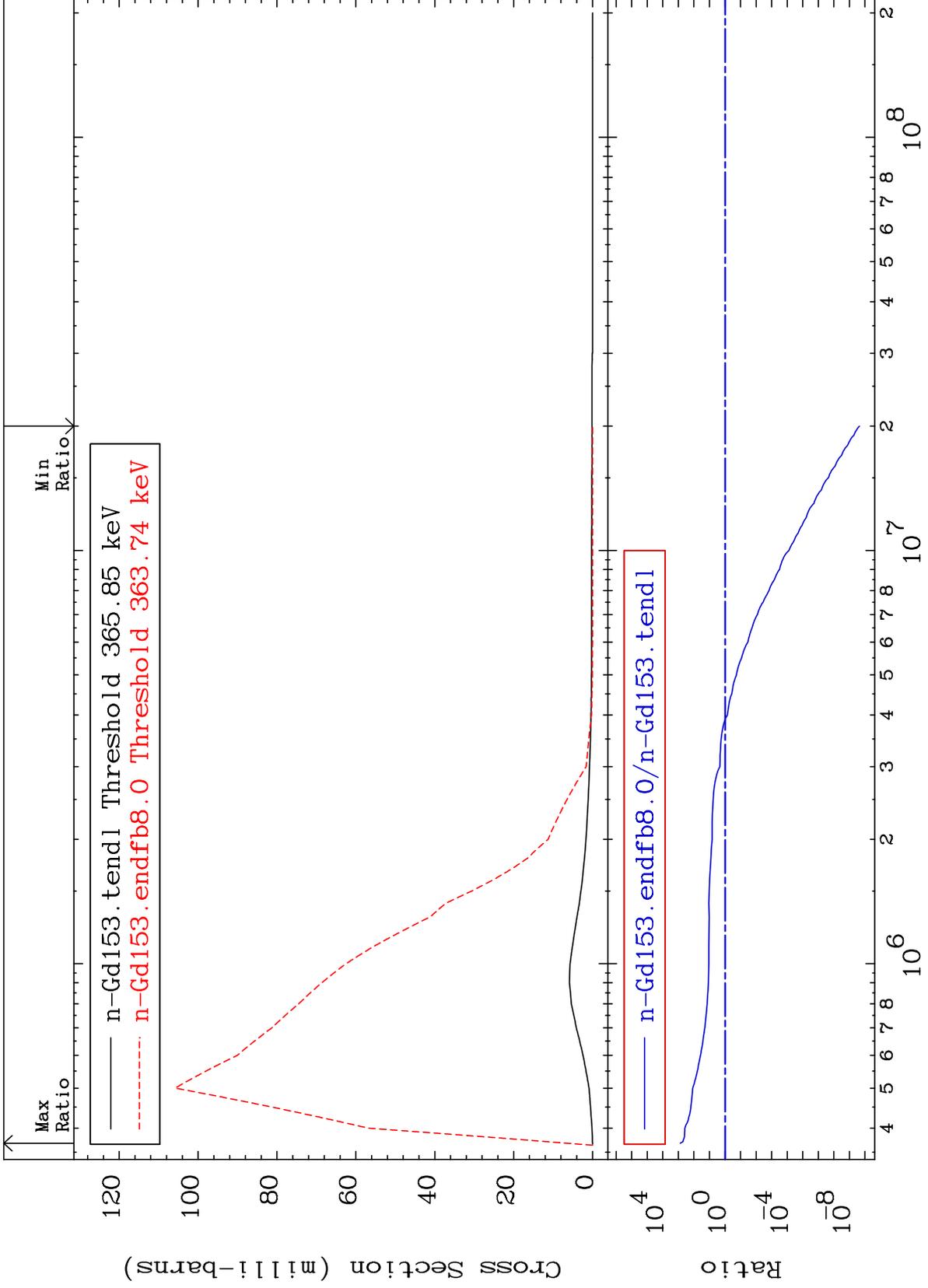
64-Gd-153
-100.0 To -99.94%



MAT 6428

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

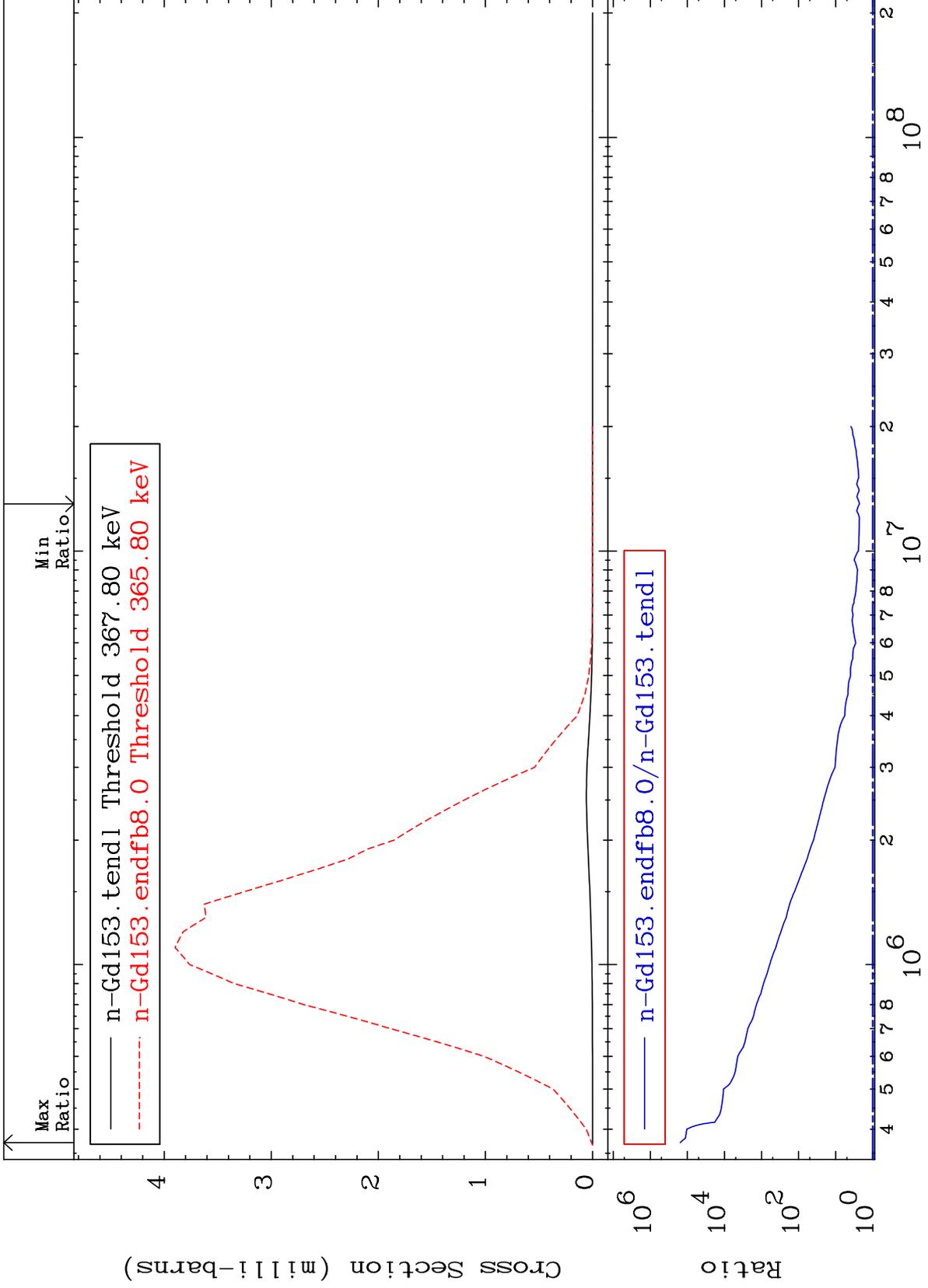
64-Gd-153
-100.0 To 9999. %



MAT 6428

MT= 74 (n,n') Level
Cross Section

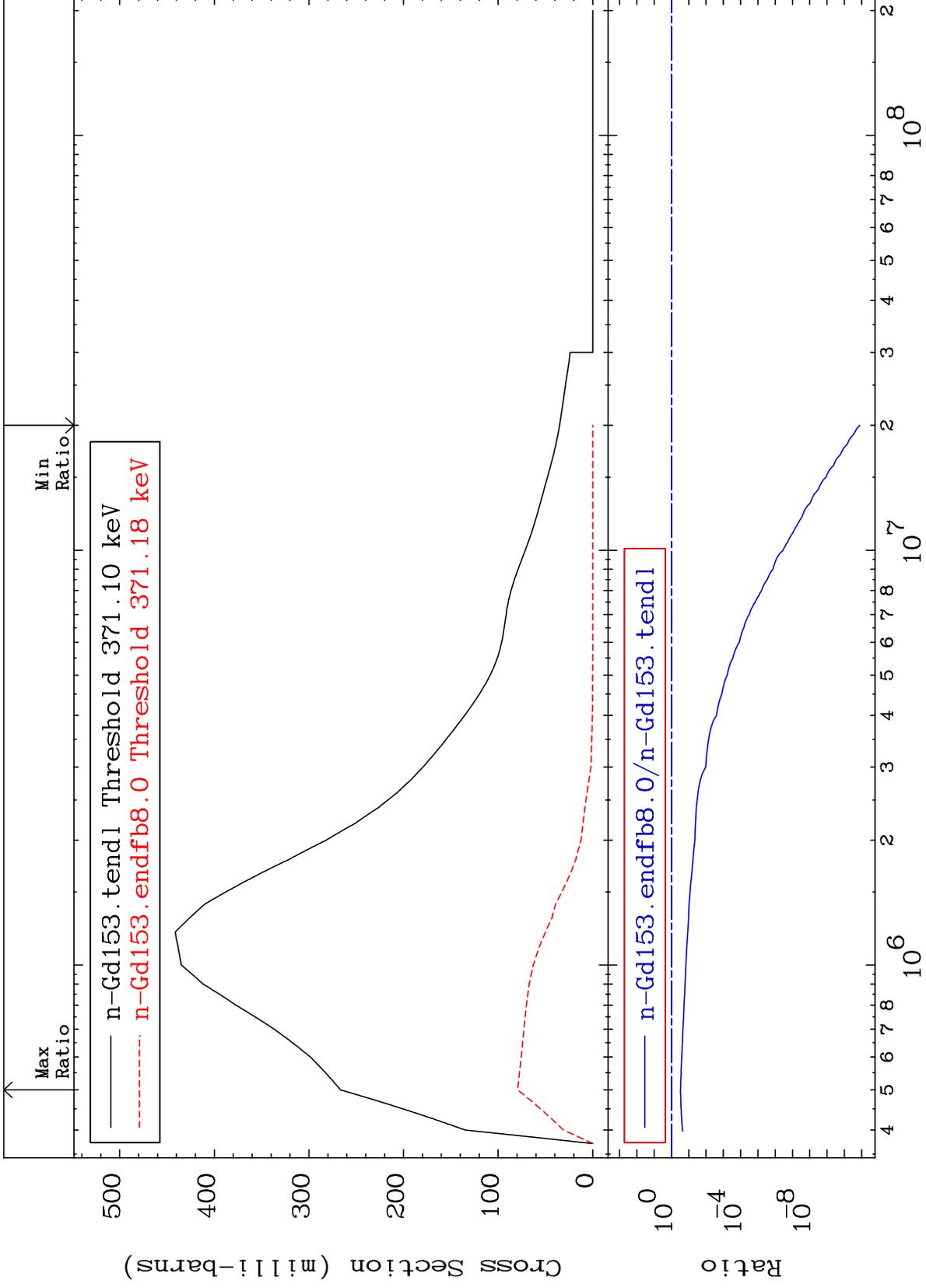
64-Gd-153
128.3 To 9999. %

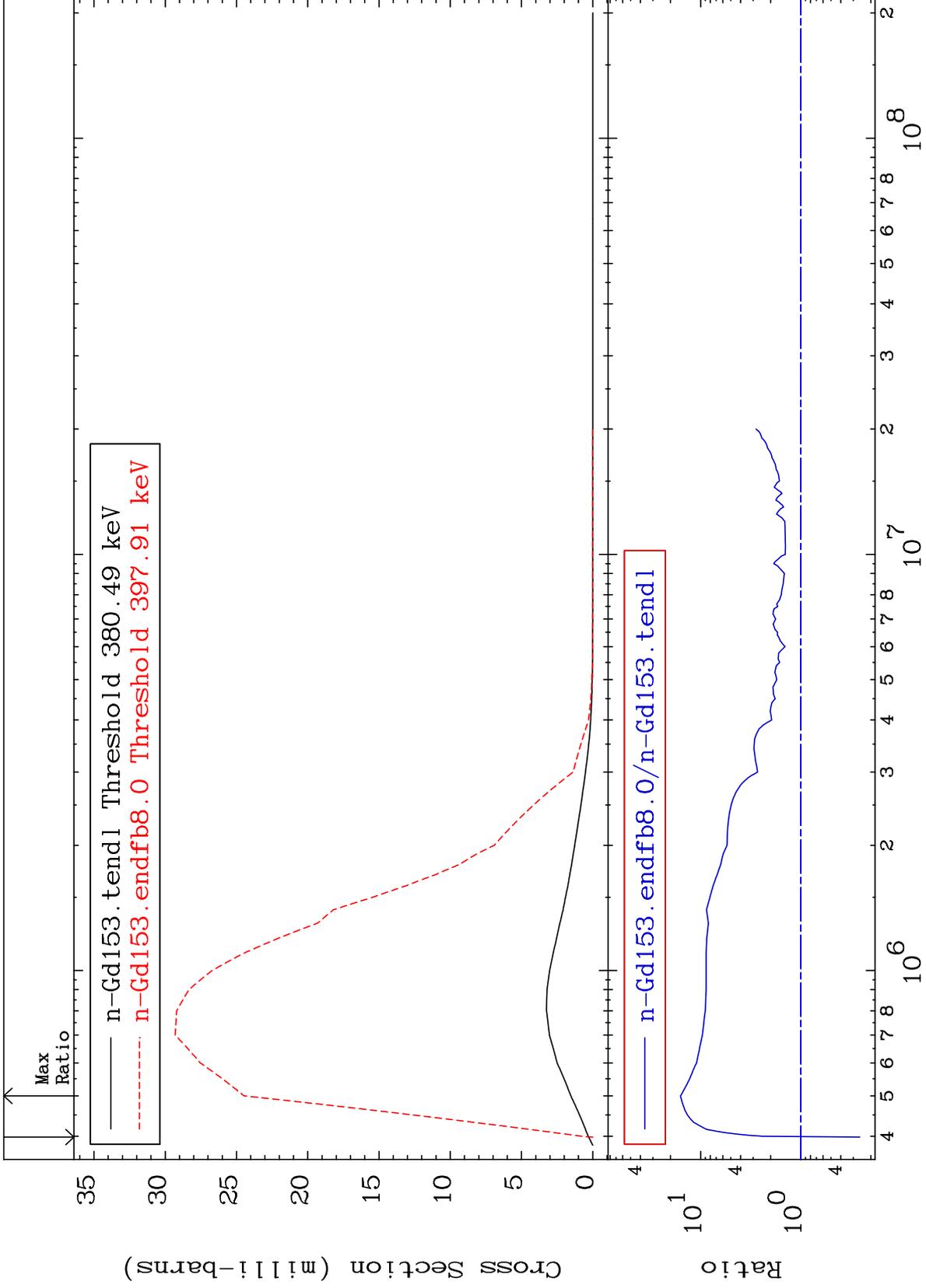


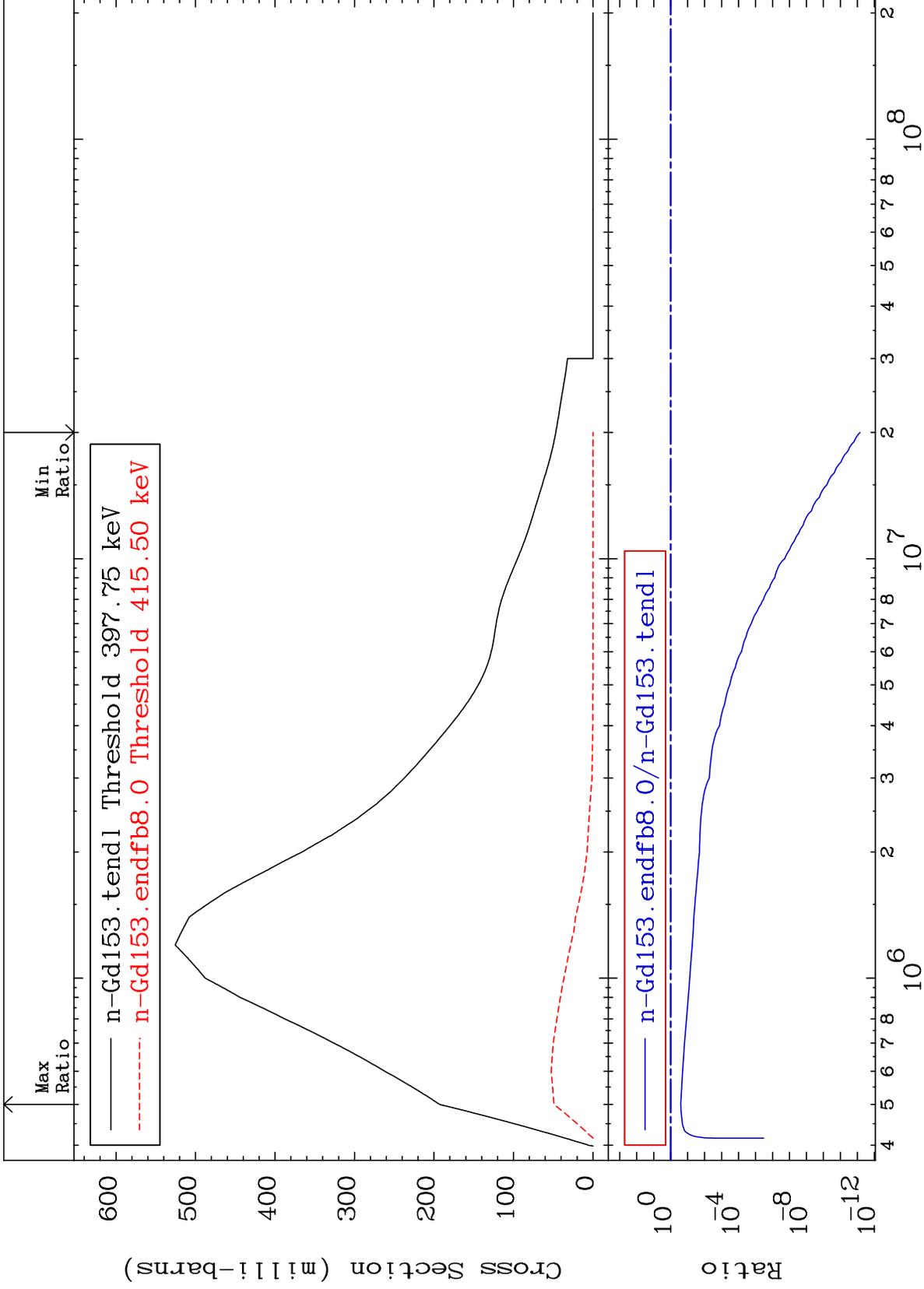
MAT 6428

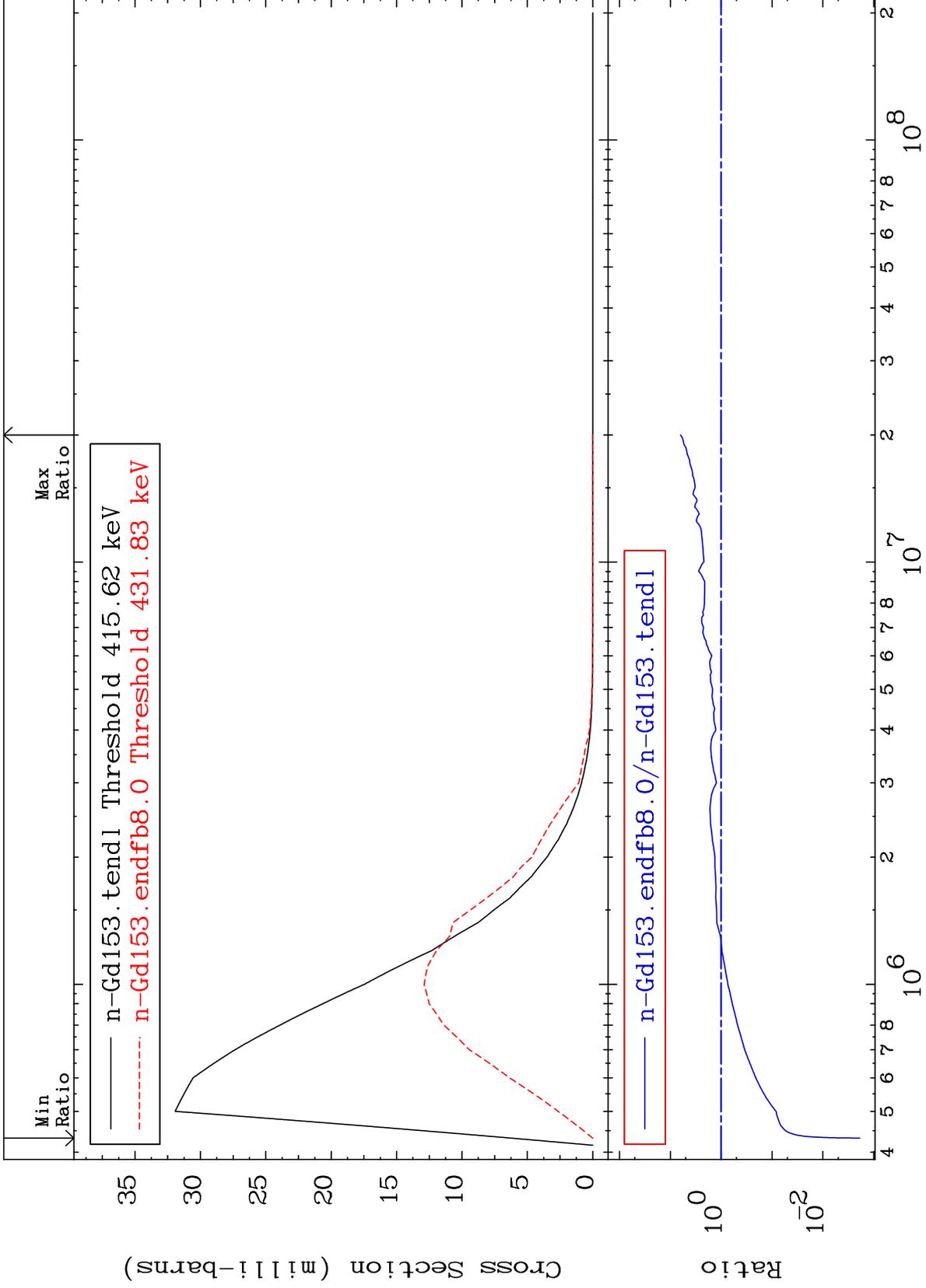
MT= 75 (n,n') Level
Cross Section

64-Gd-153
-100.0 To -70.20%





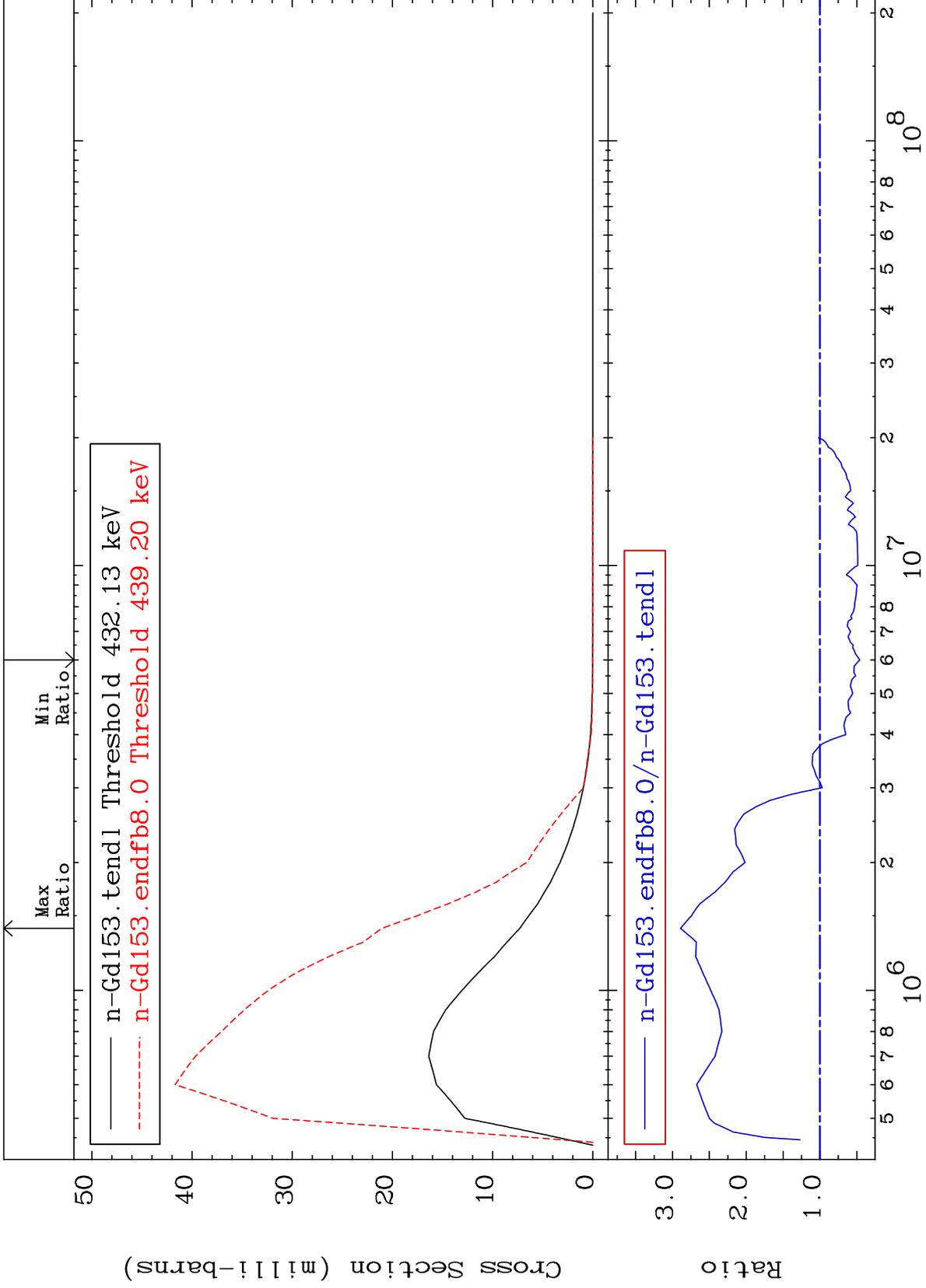




MAT 6428

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

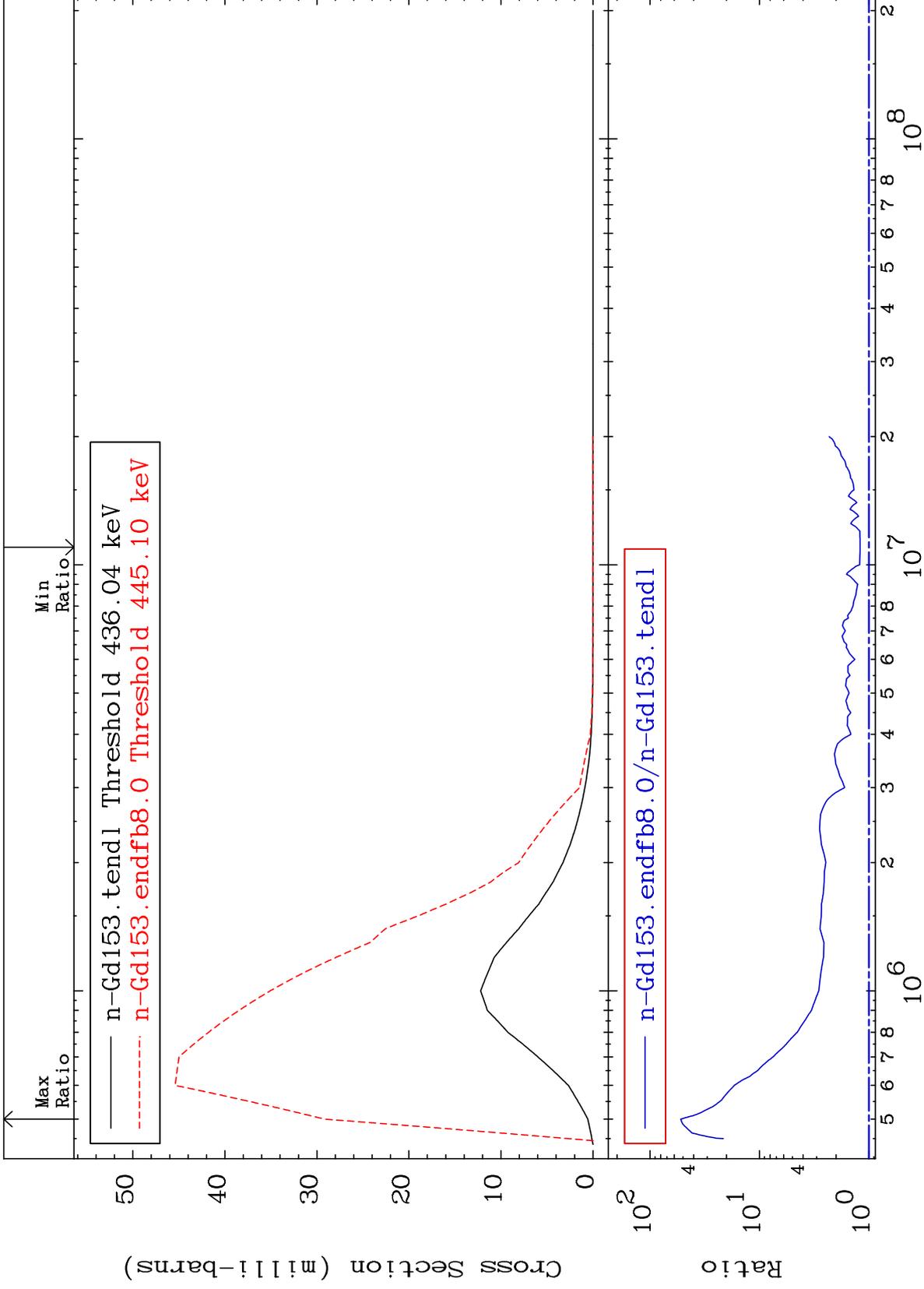
64-Gd-153
-54.05 To 189.1 %

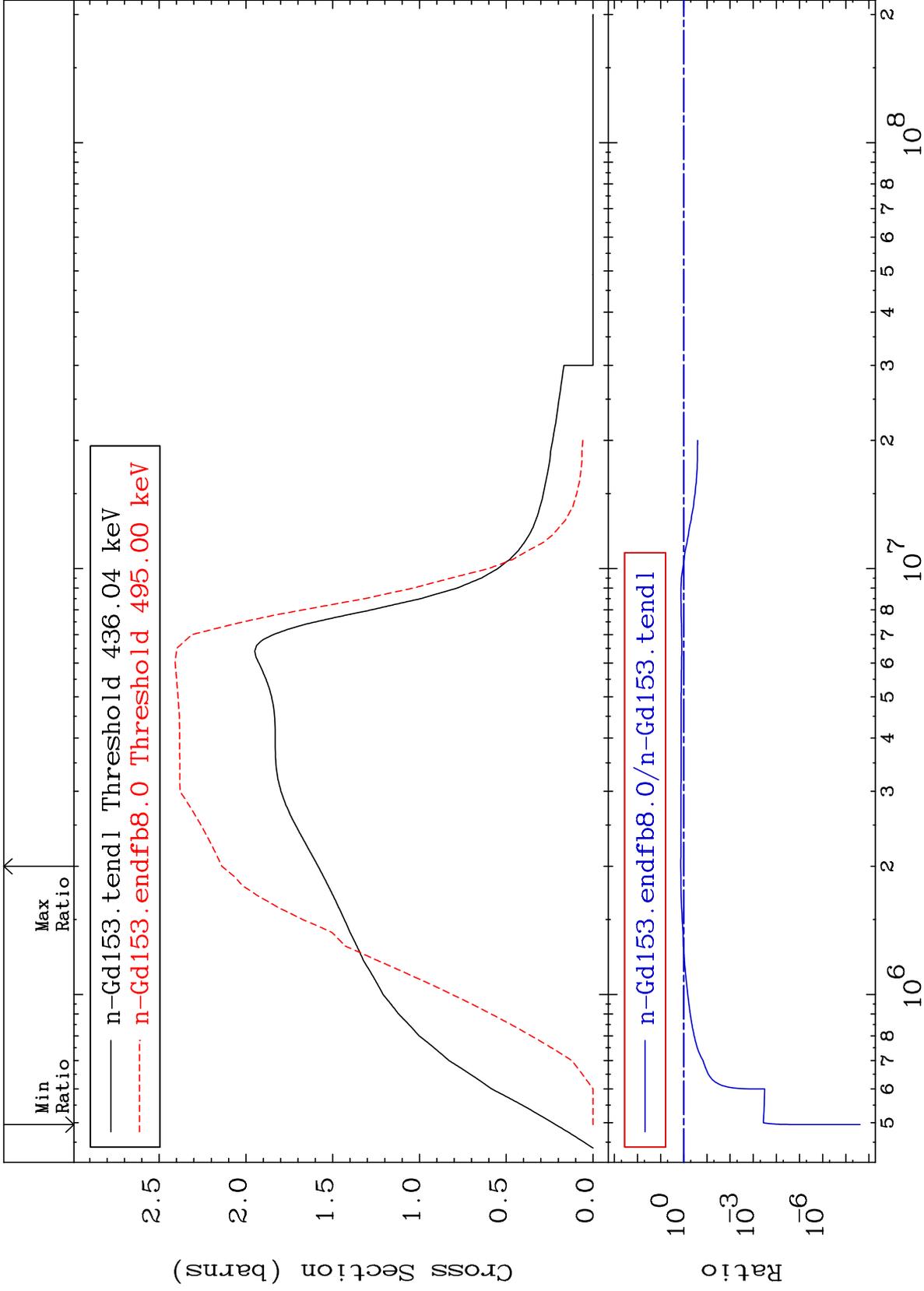


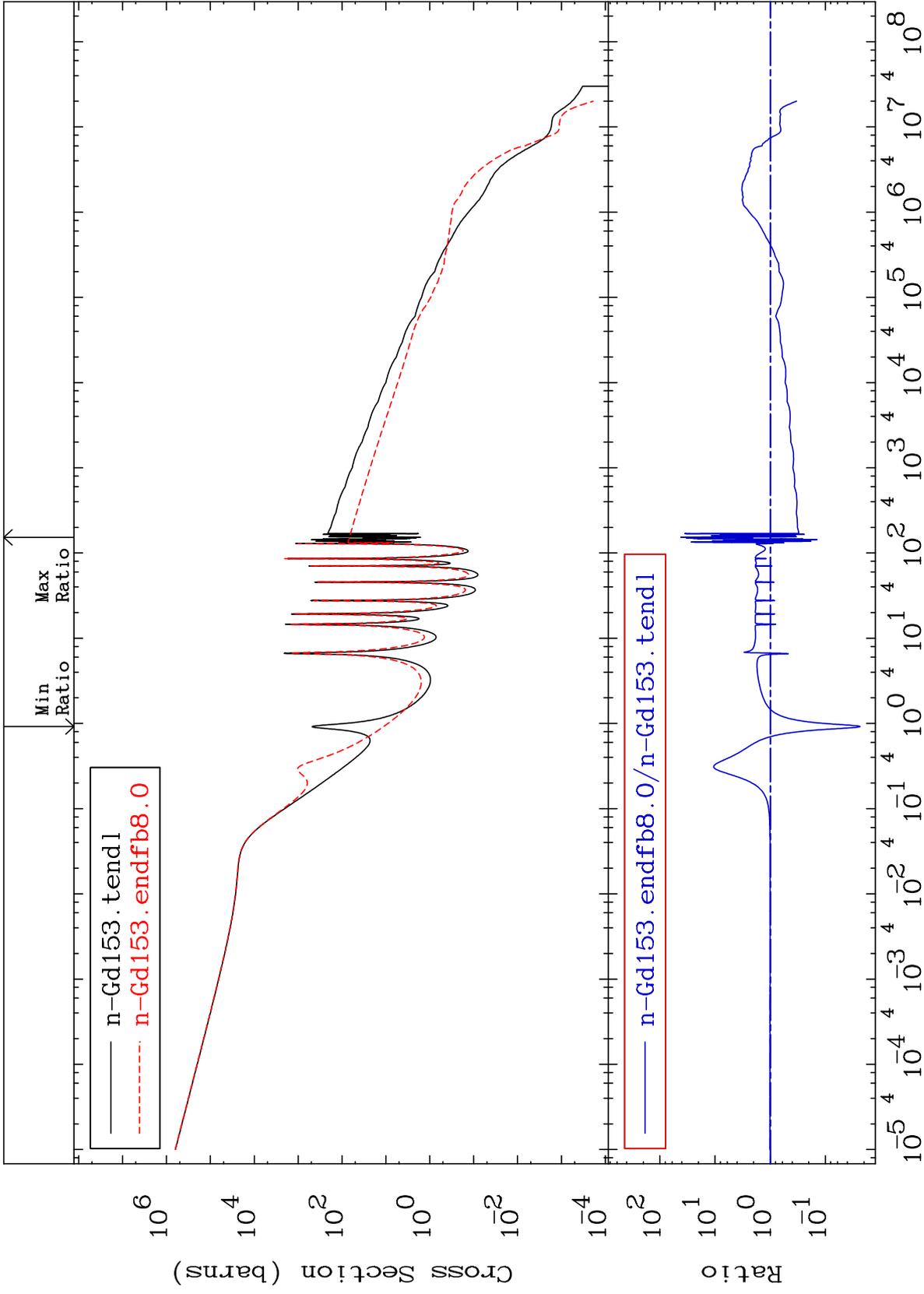
MAT 6428

MT= 80 (n,n') Level
Cross Section

64-Gd-153
20.45 To 5139. %



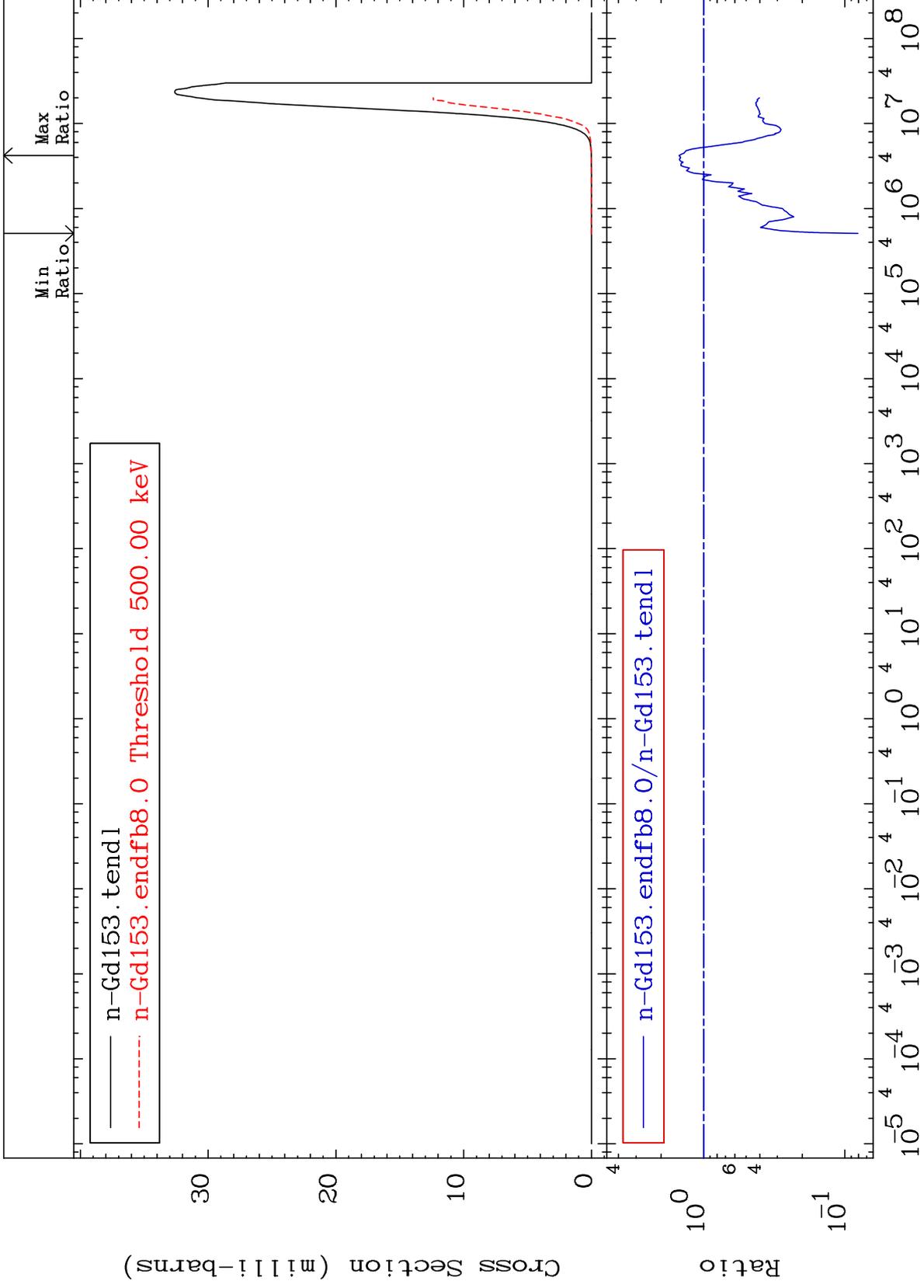




MAT 6428

(n,p)
Cross Section

64-Gd-153
-91.93 To 49.01 %



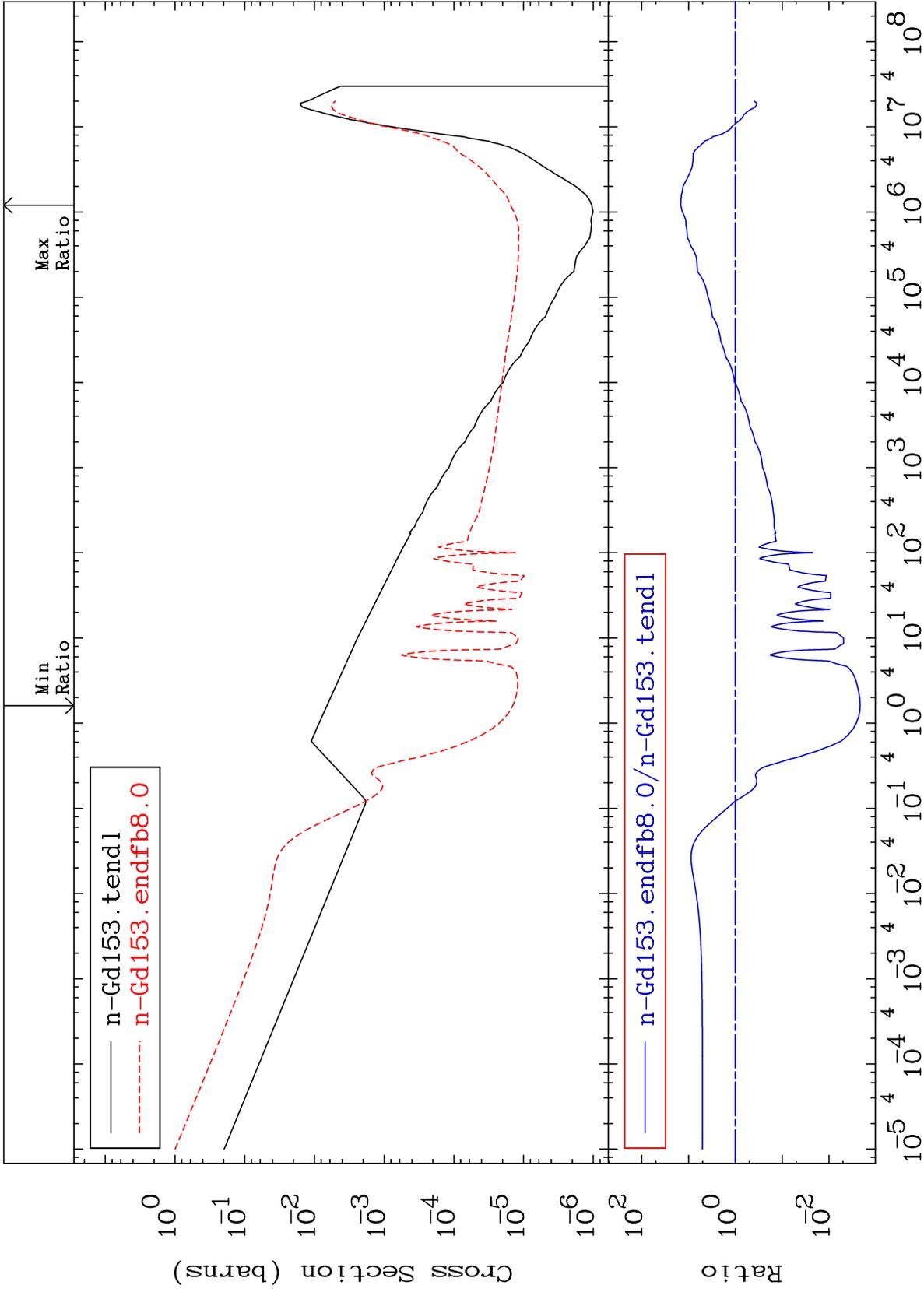
MAT 6428

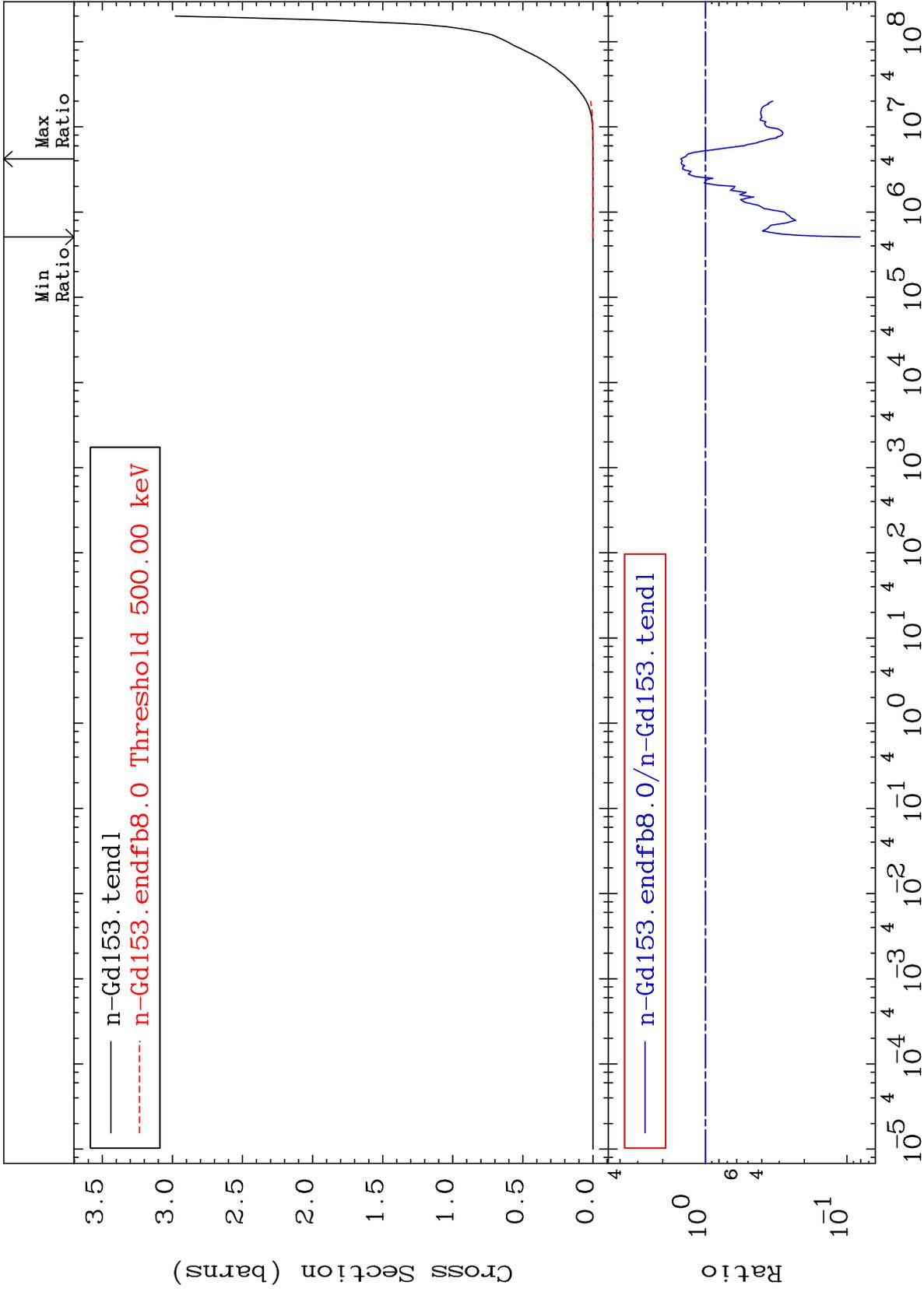
(n, α)

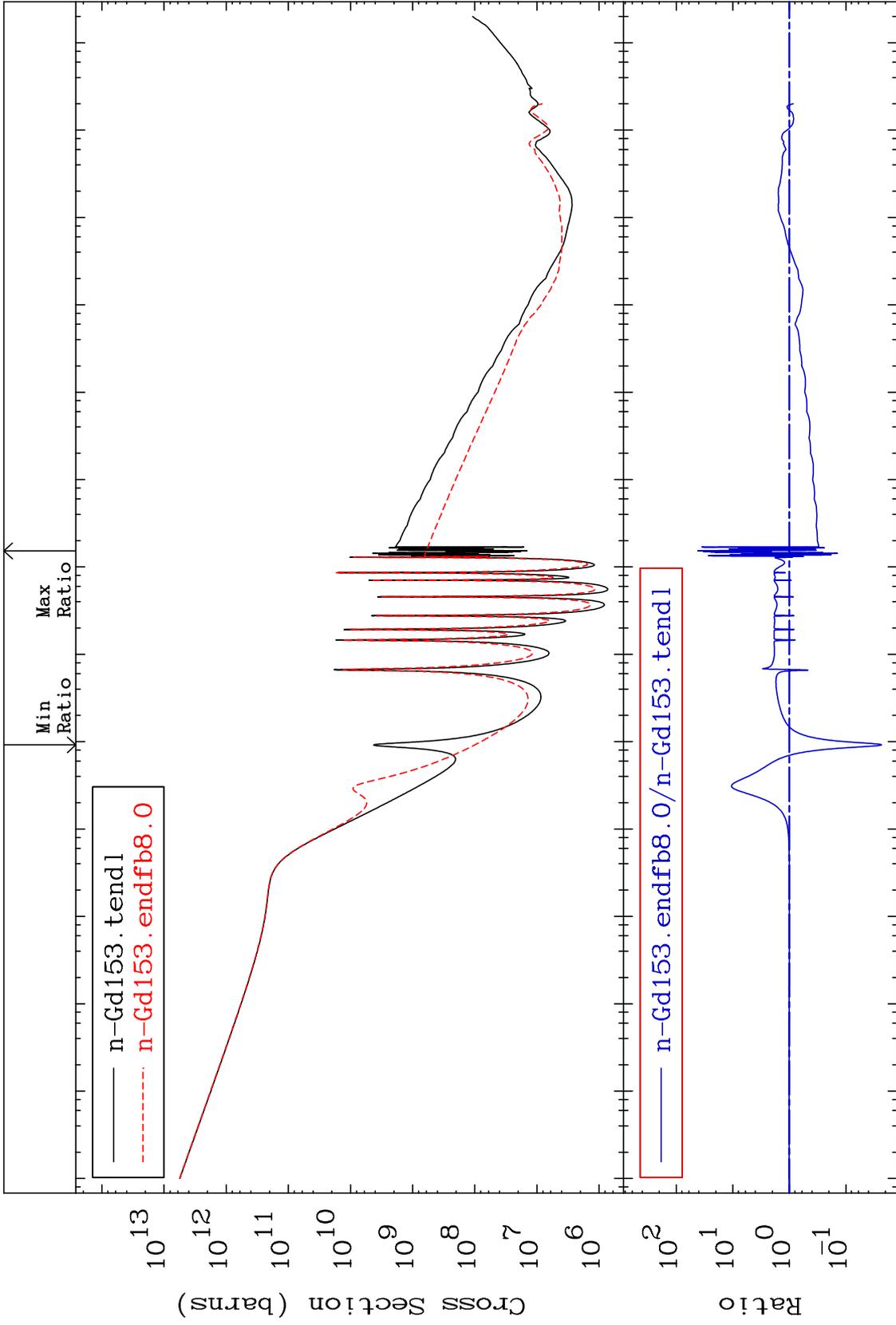
64-Gd-153

Cross Section

-99.78 To 1369. %



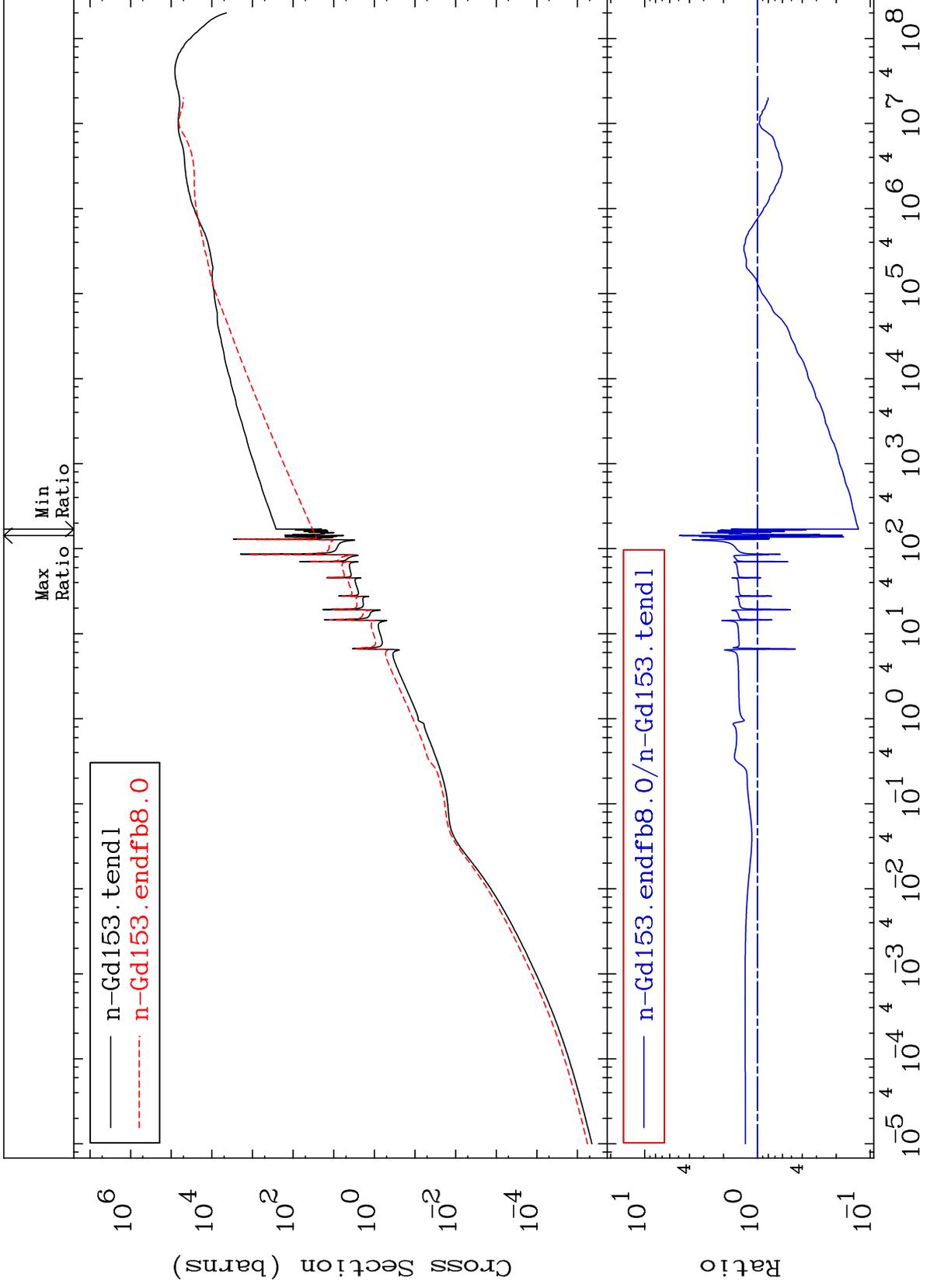


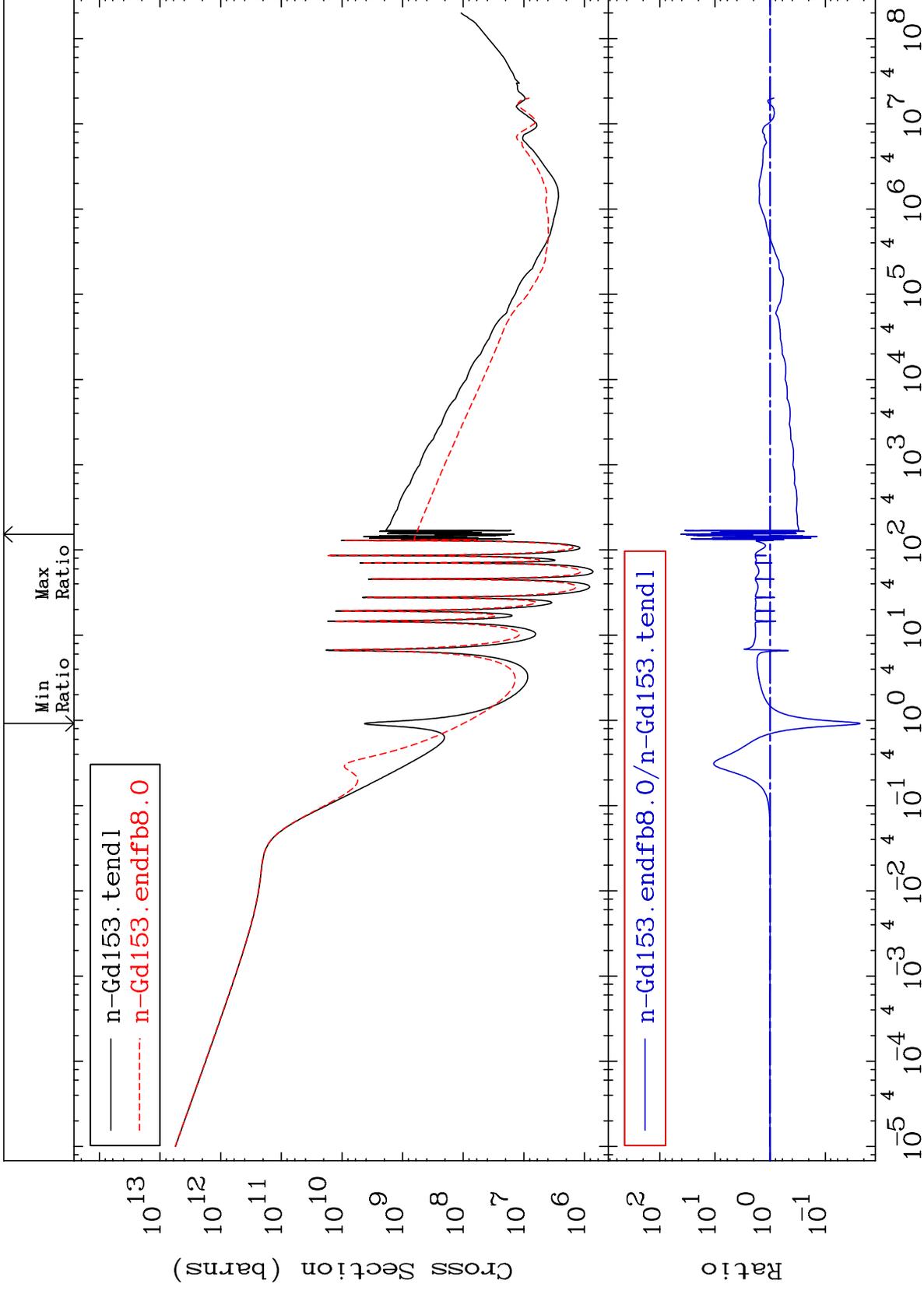


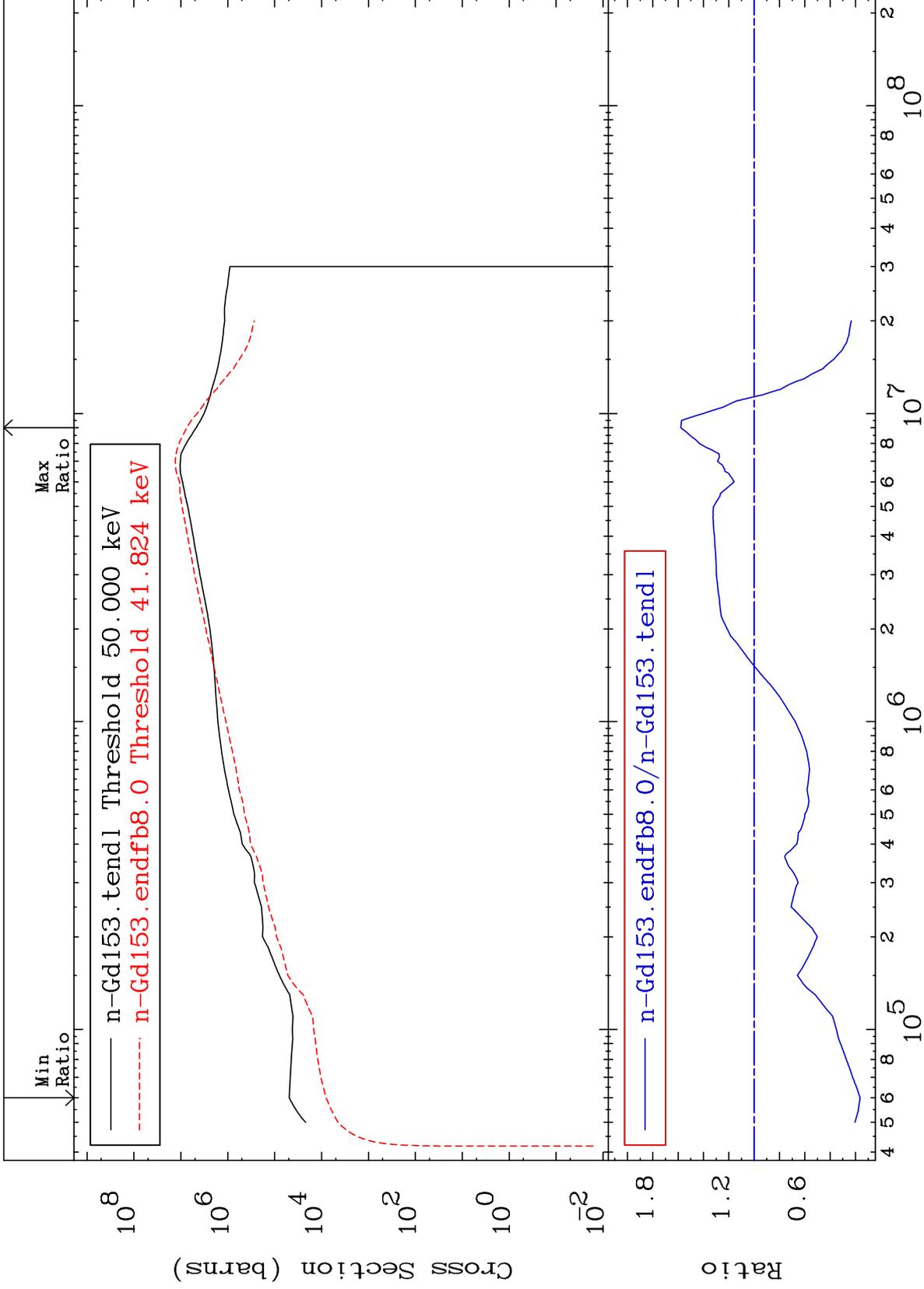
MAT 6428

Kerma elastic
Cross Section

64-Gd-153
-87.33 To 390.5 %



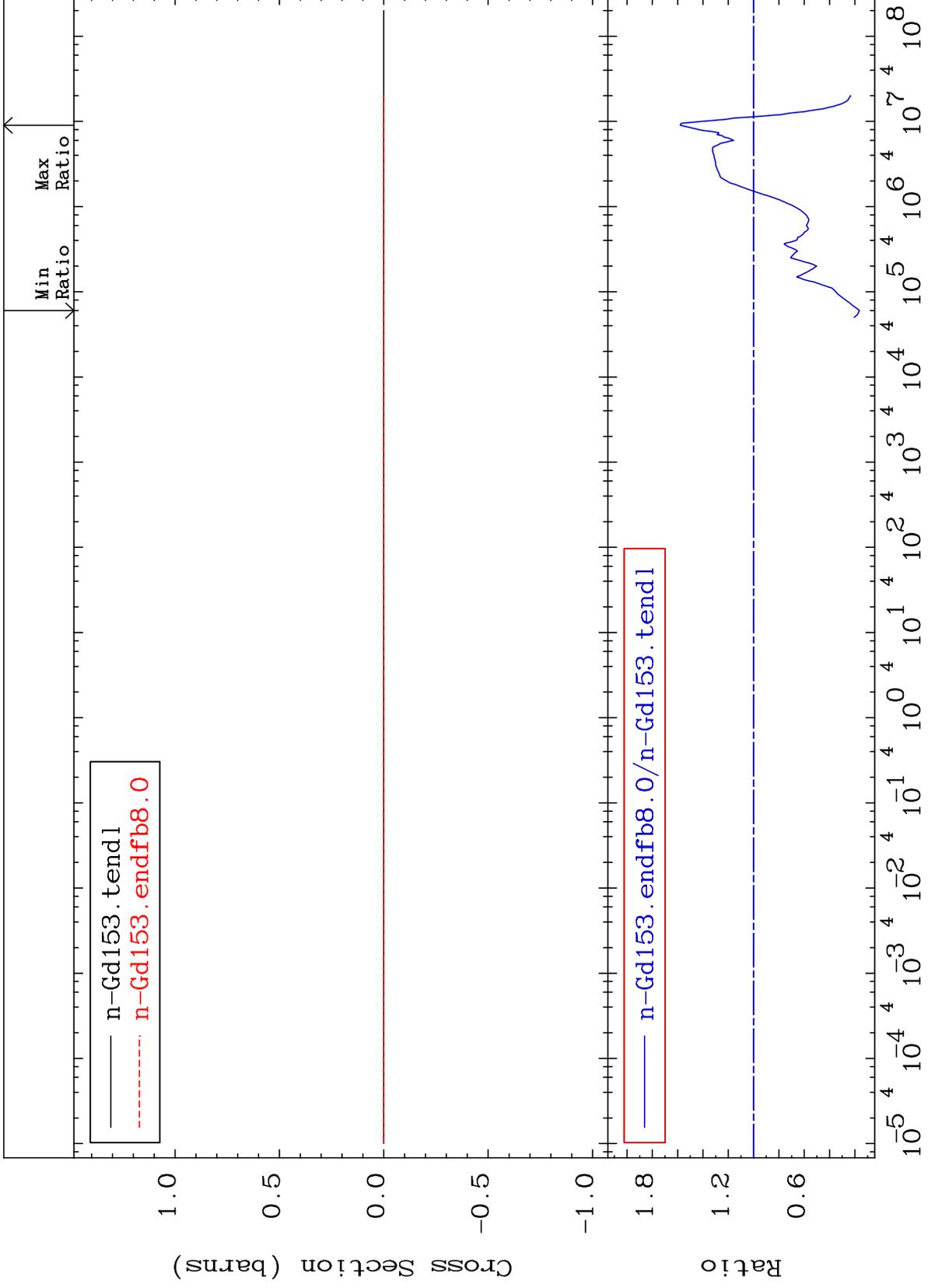


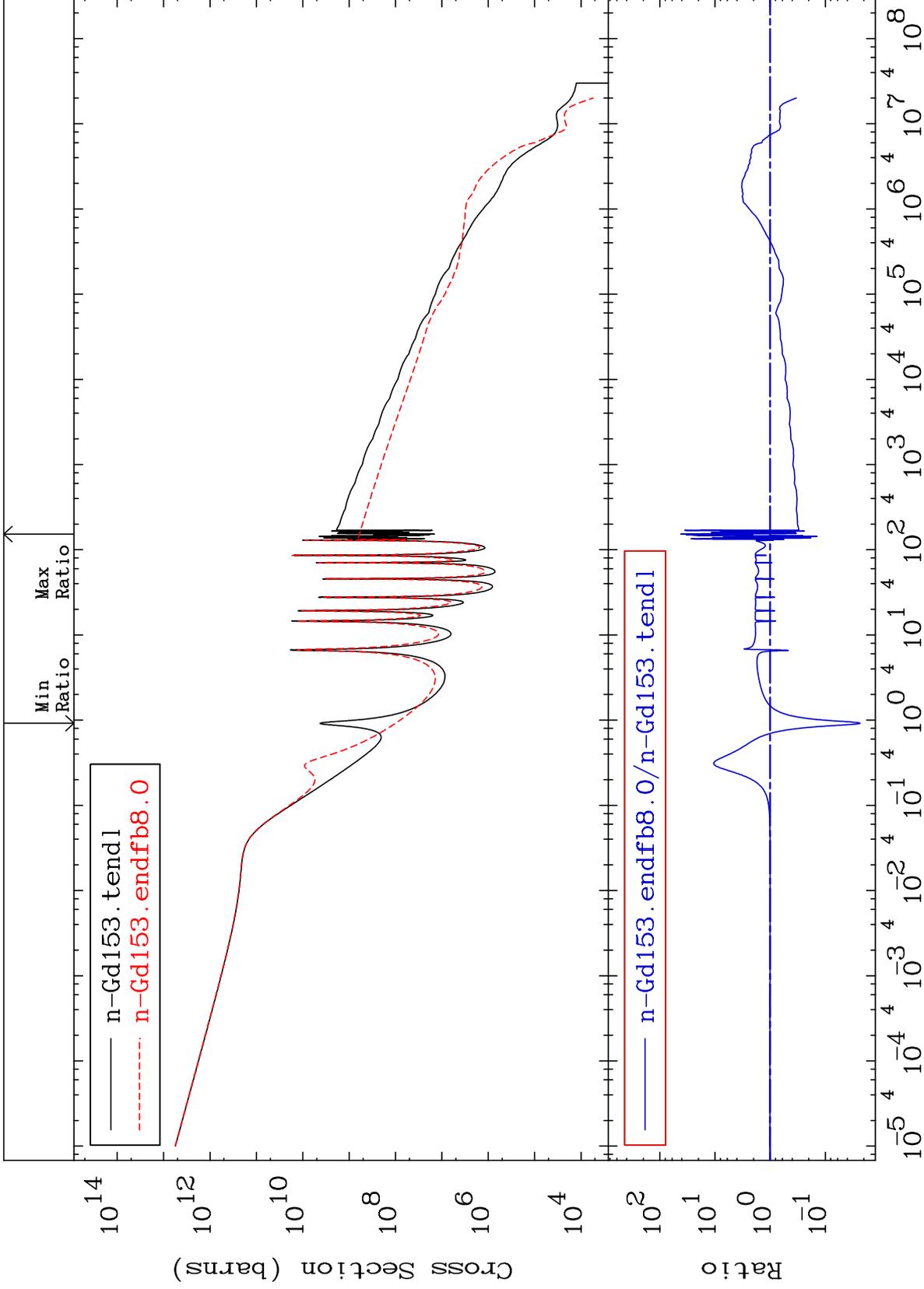


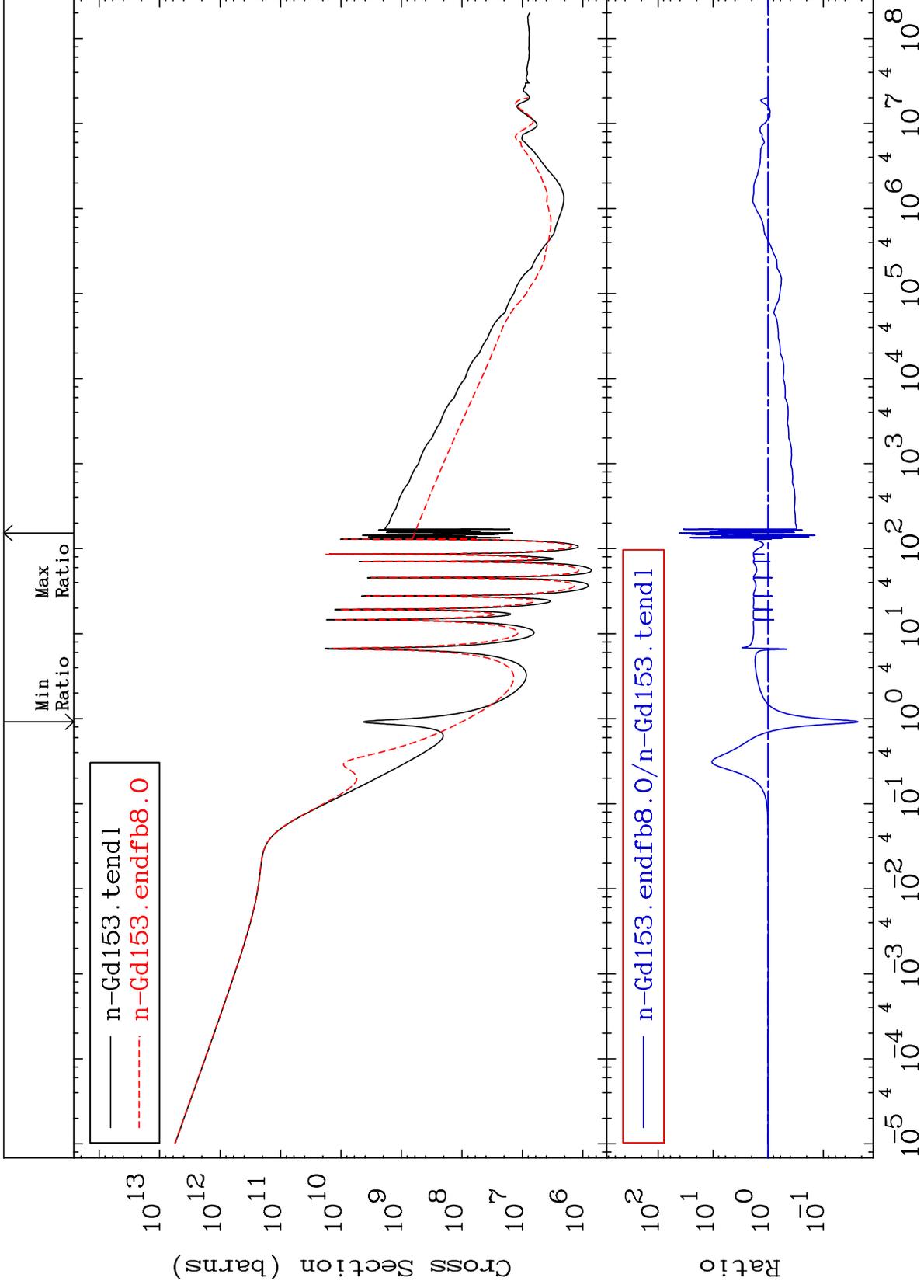
MAT 6428

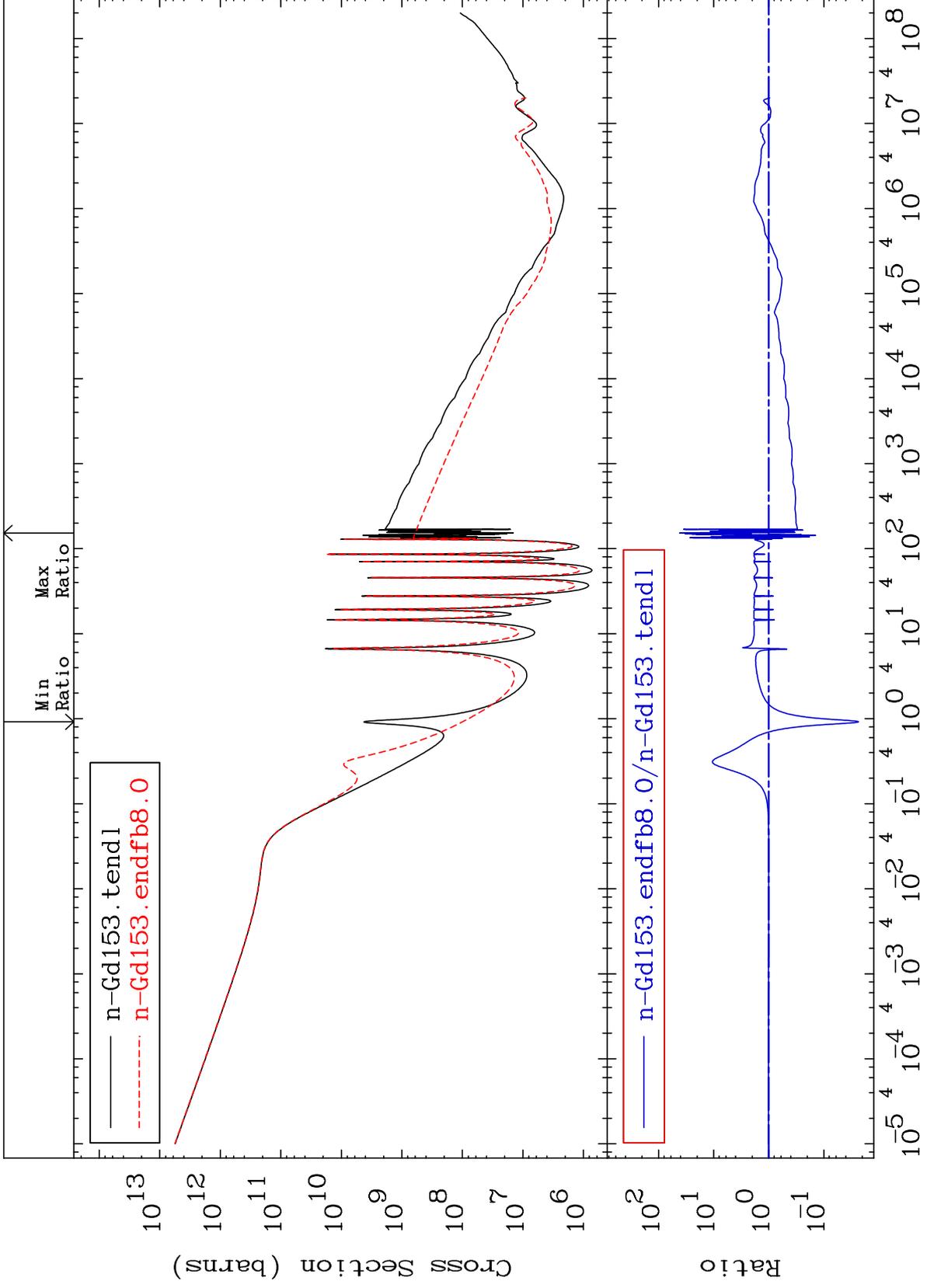
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

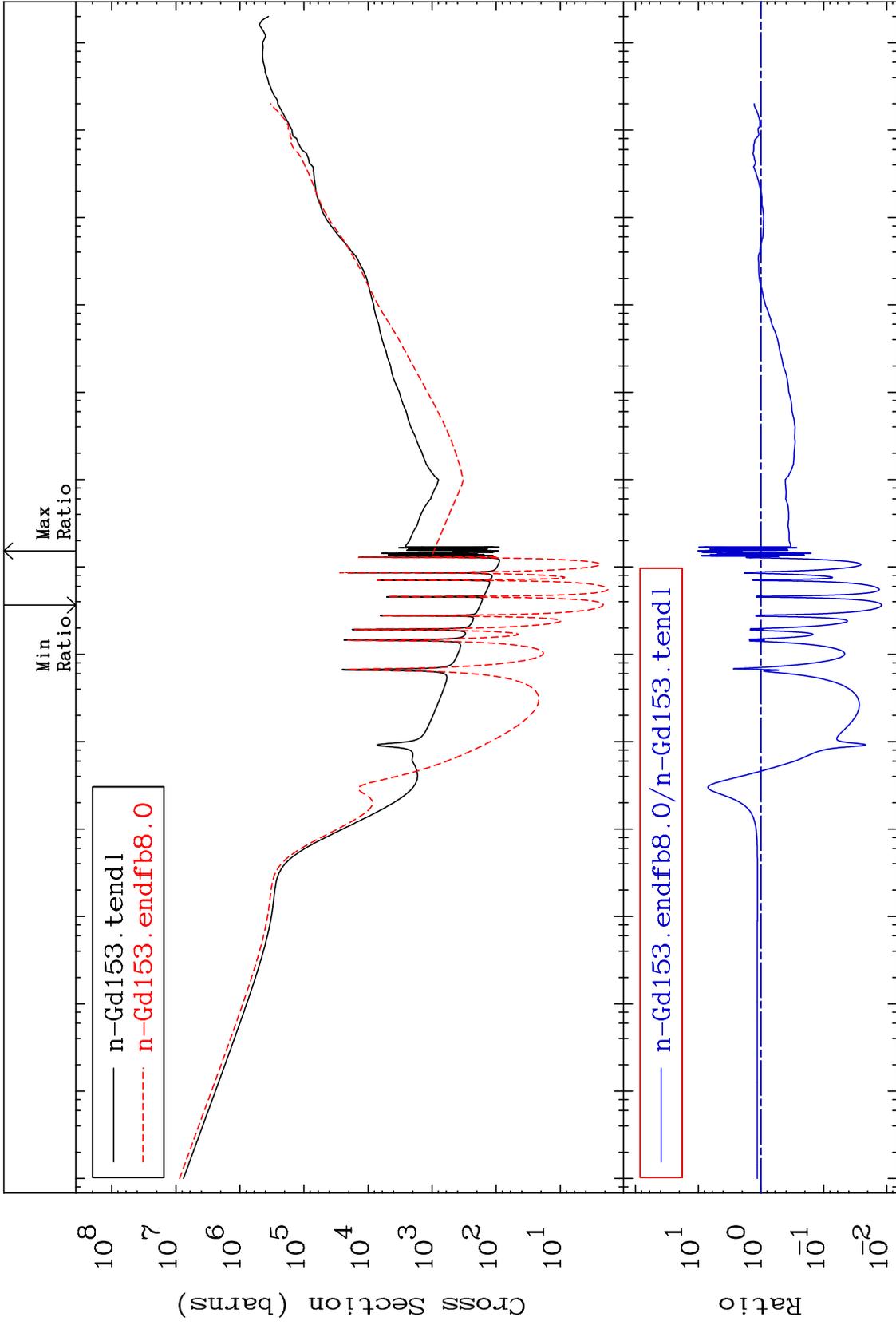
64-Gd-153
-83.63 To 57.92 %







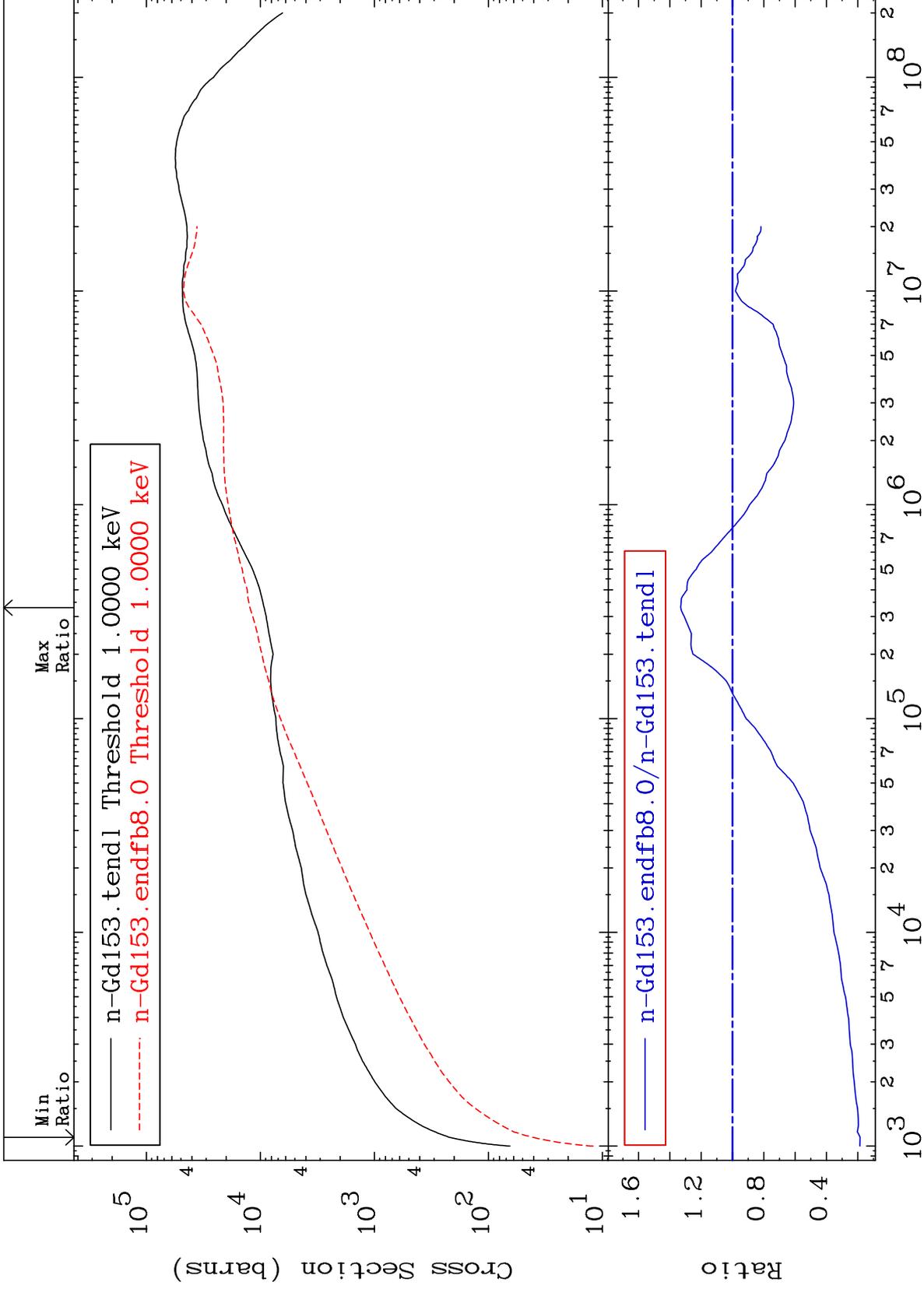




MAT 6428

Dpa elastic (mt2)
Cross Section

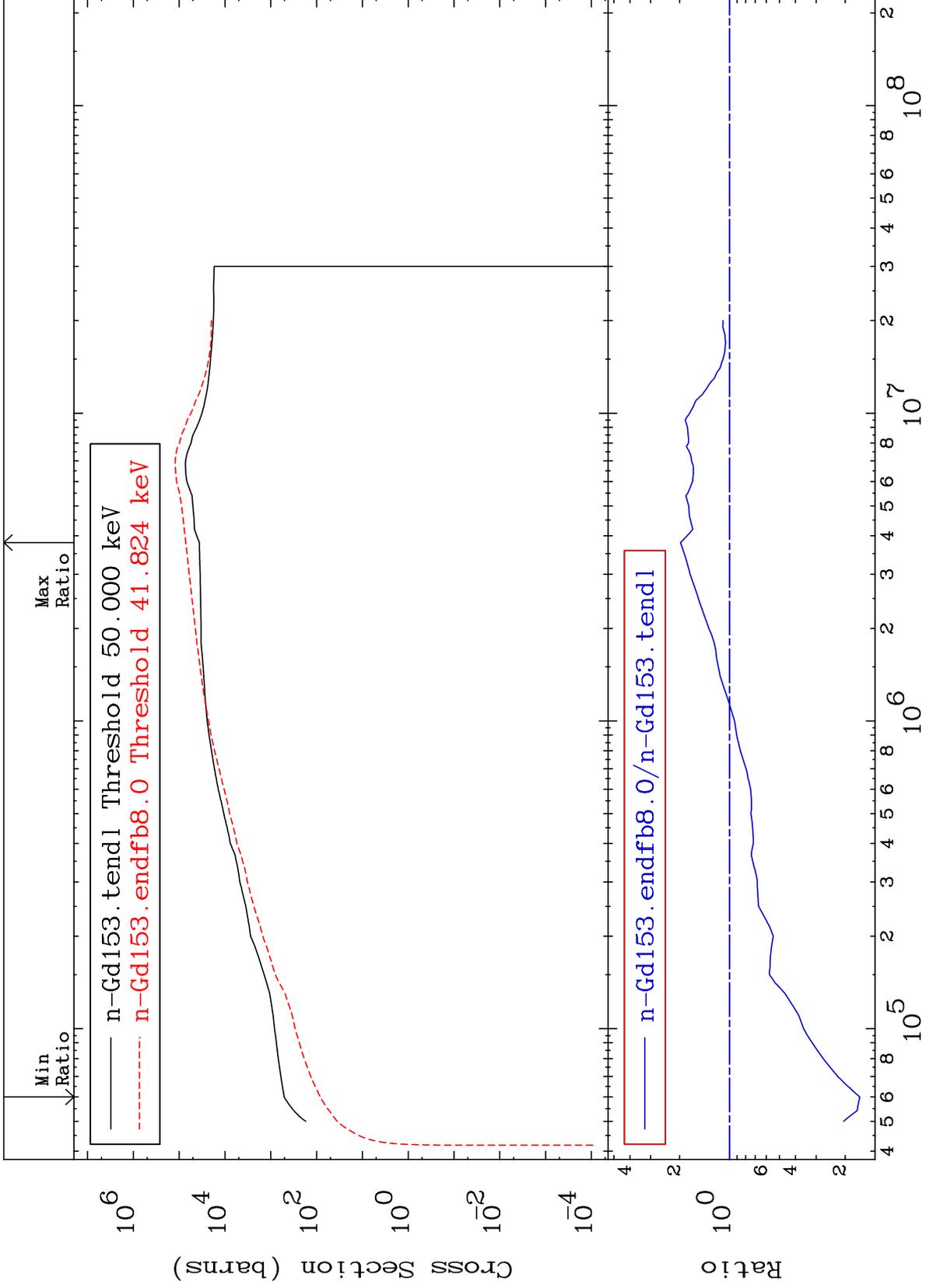
64-Gd-153
-81.44 To 33.03 %



55

Incident Energy (eV)

64-Gd-153



MAT 6428

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-153
-98.80 To 920.2 %

