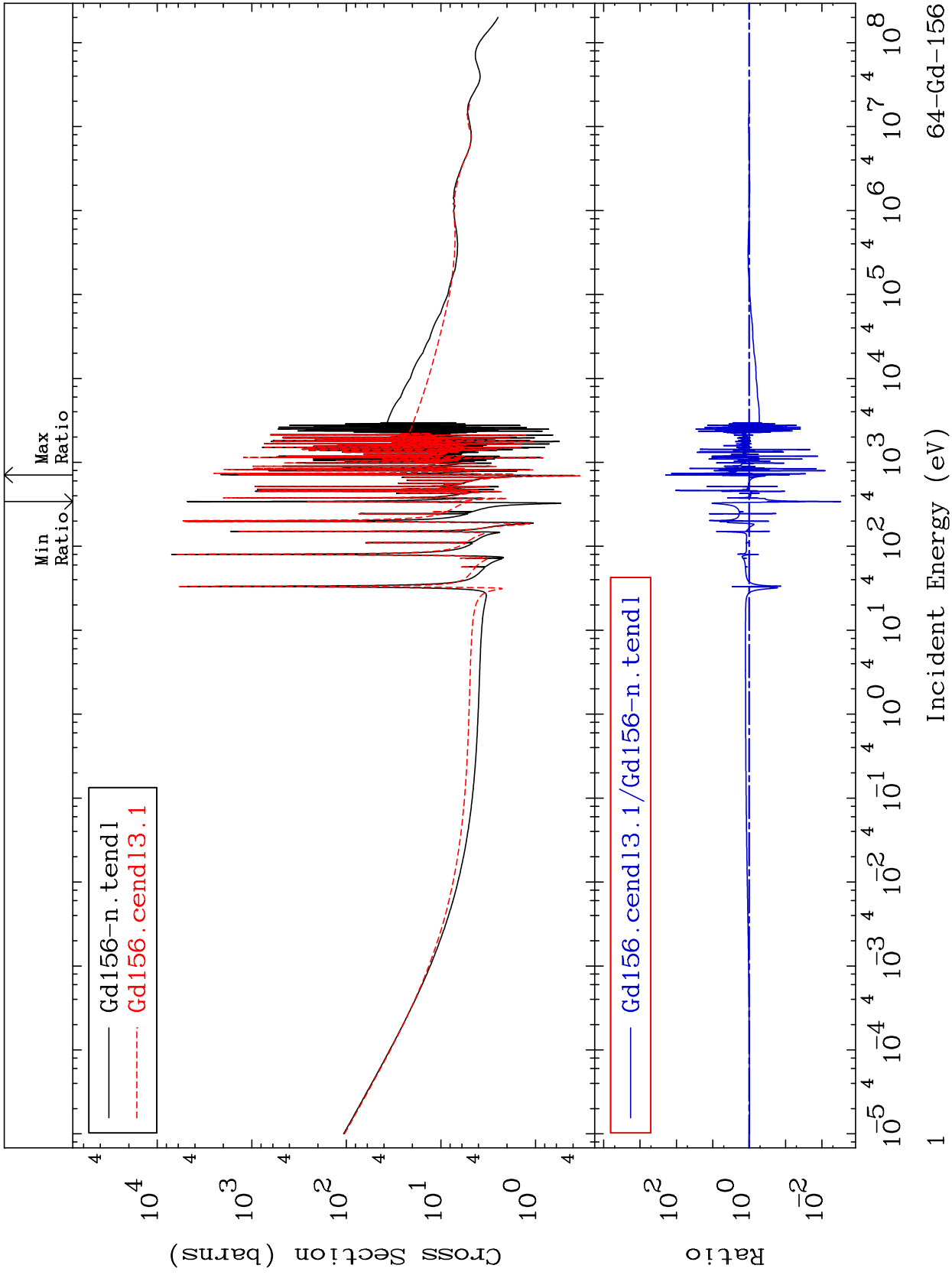


MAT 6437

Total Cross Section
64-Gd-156
-99.70 To 9999. %

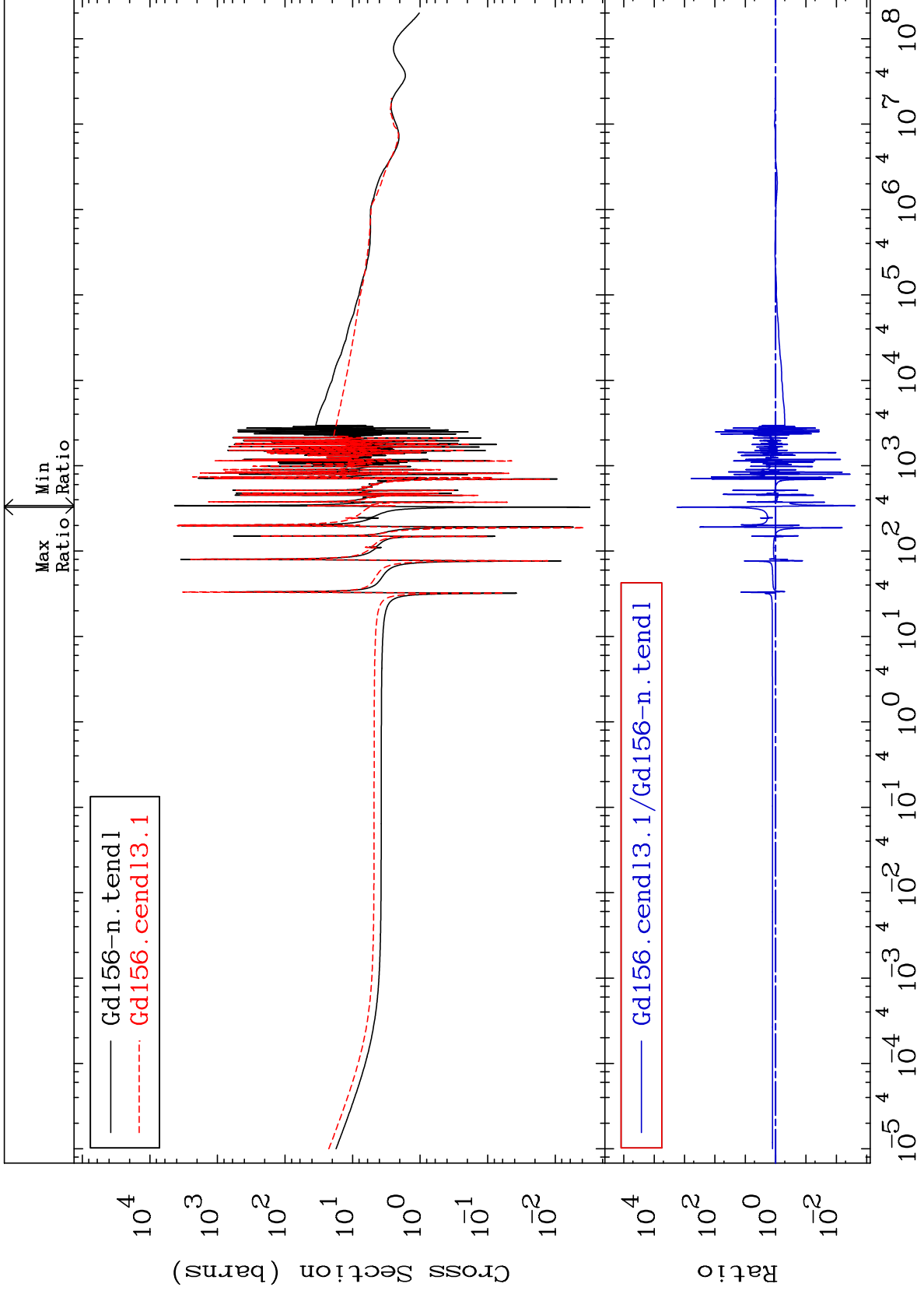


64-Gd-156

MAT 6437

Elastic
Cross Section

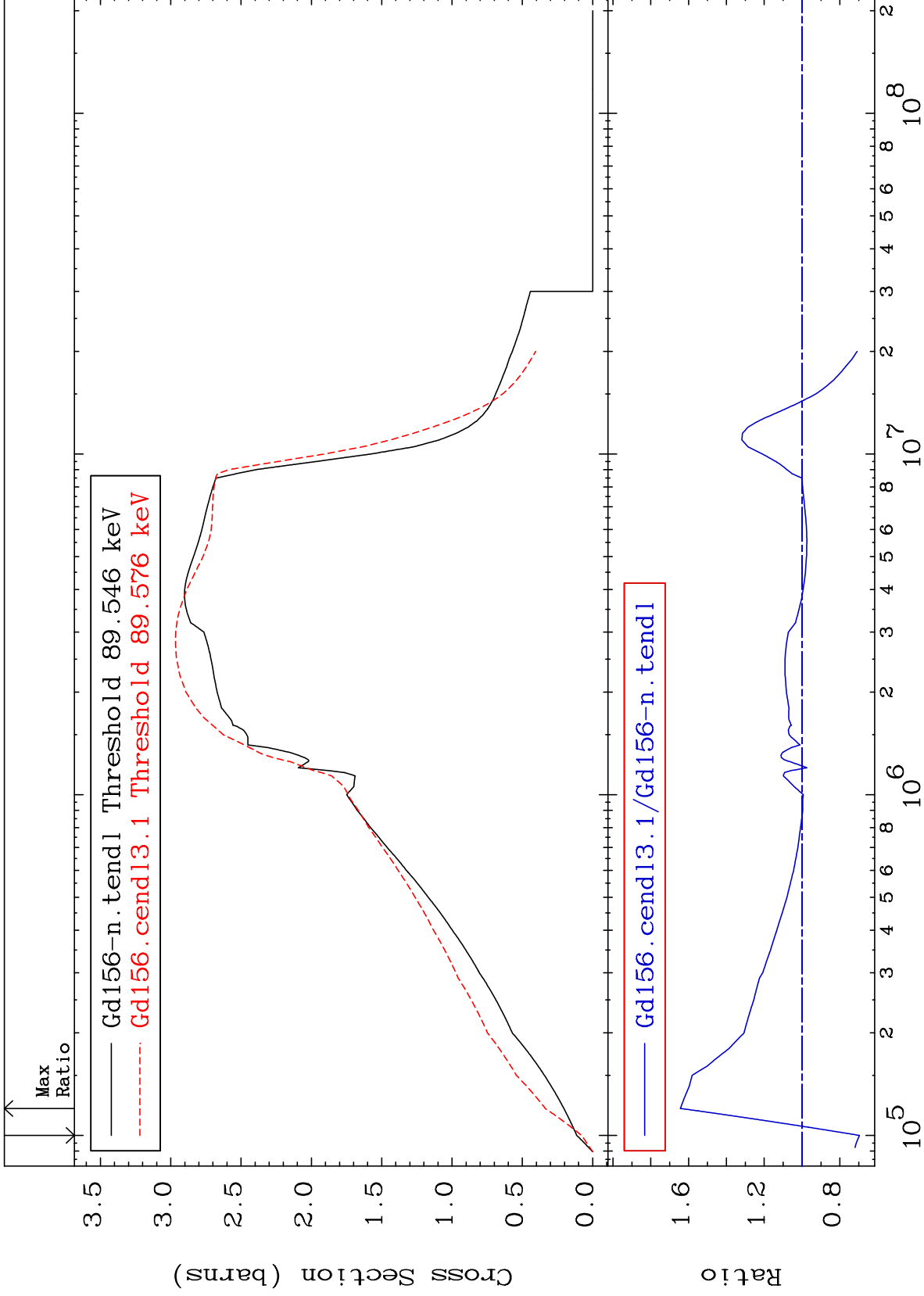
64-Gd-156
-99.76 To 9999. %



MAT 6437

Inelastic
Cross Section

64-Gd-156
-30.35 To 64.36 %



3

Incident Energy (eV)

64-Gd-156

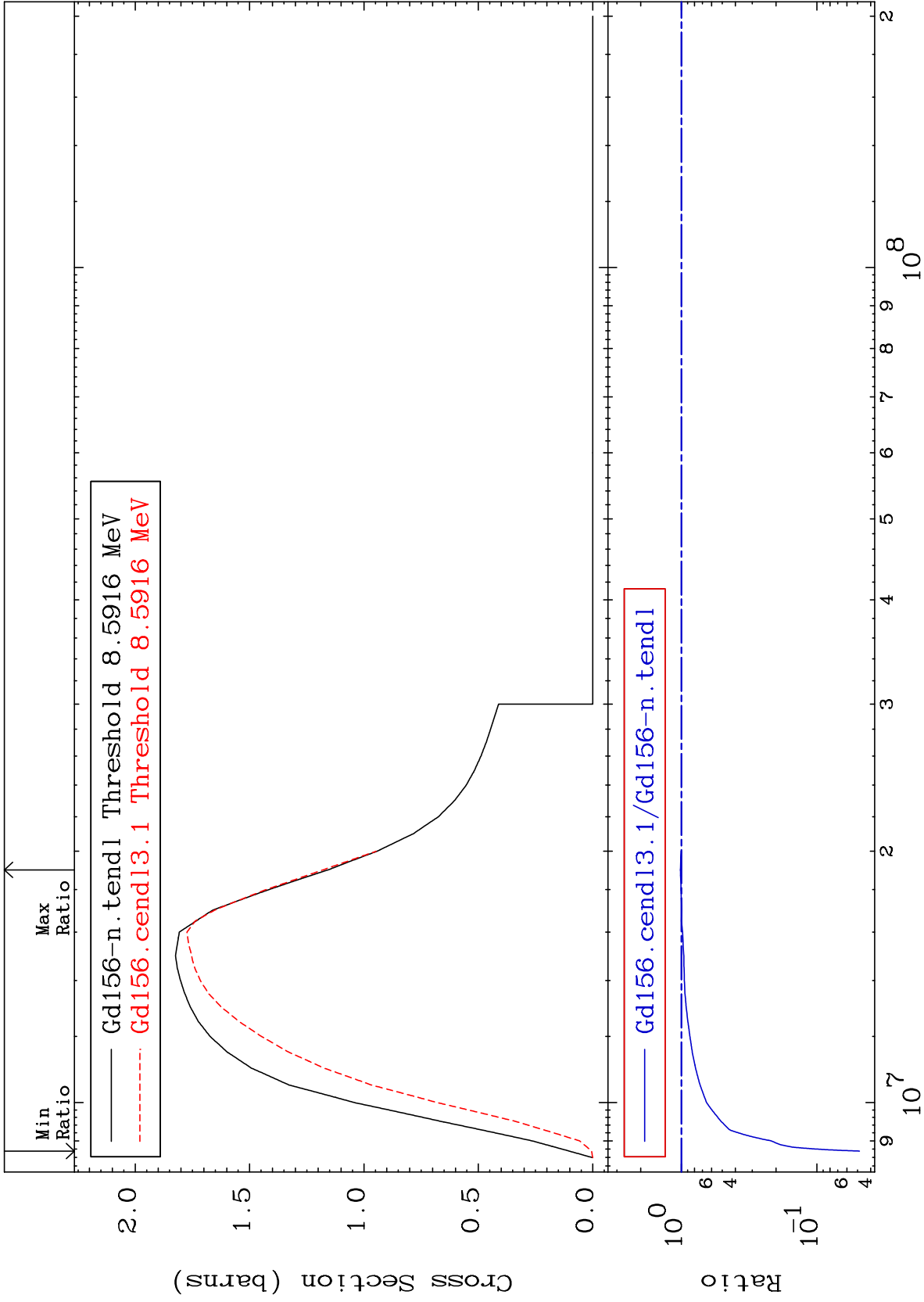
MAT 6437

(n,2n)

64-Gd-156

Cross Section

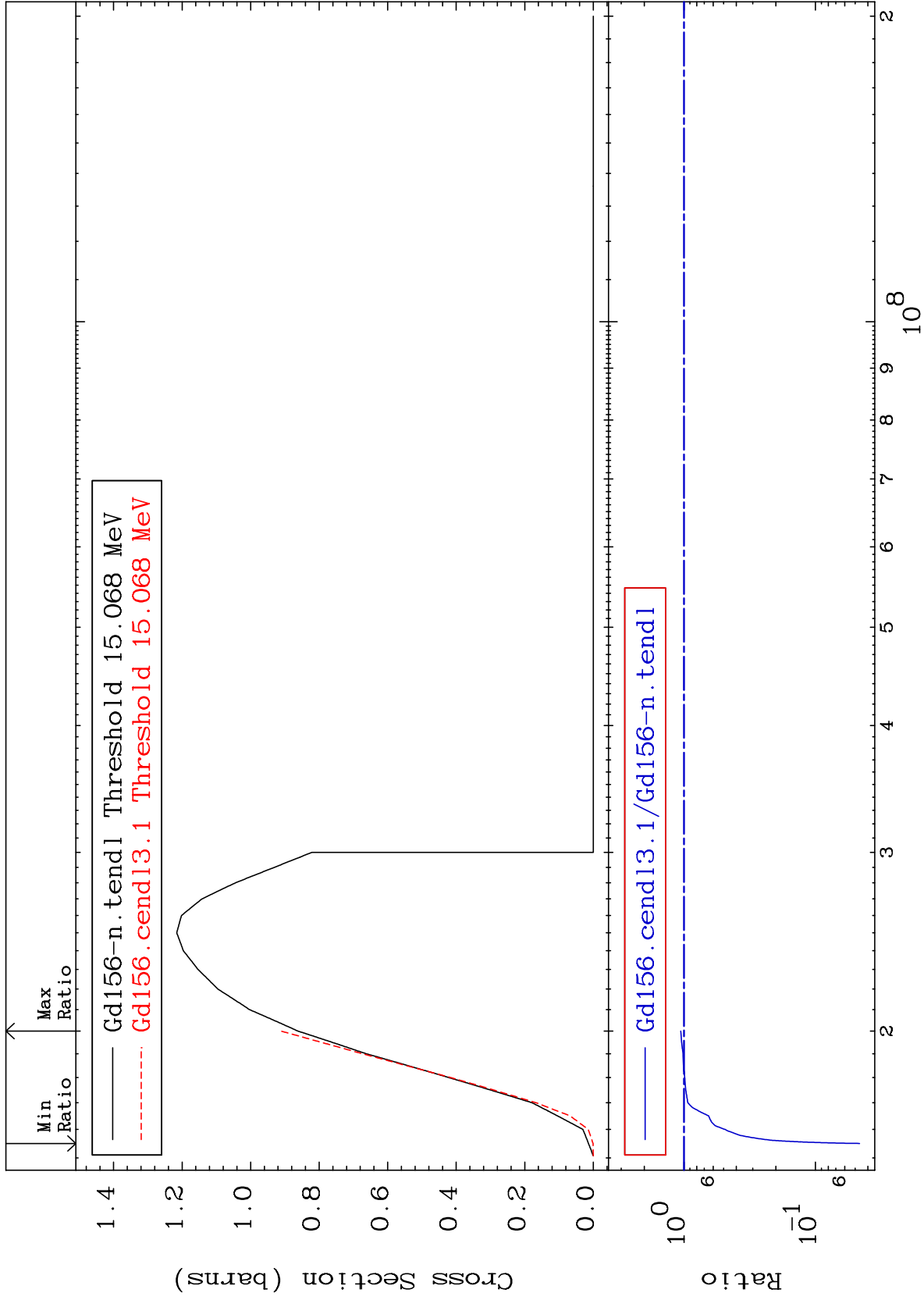
-95.15 To 1.872 %



4

Incident Energy (eV)

64-Gd-156



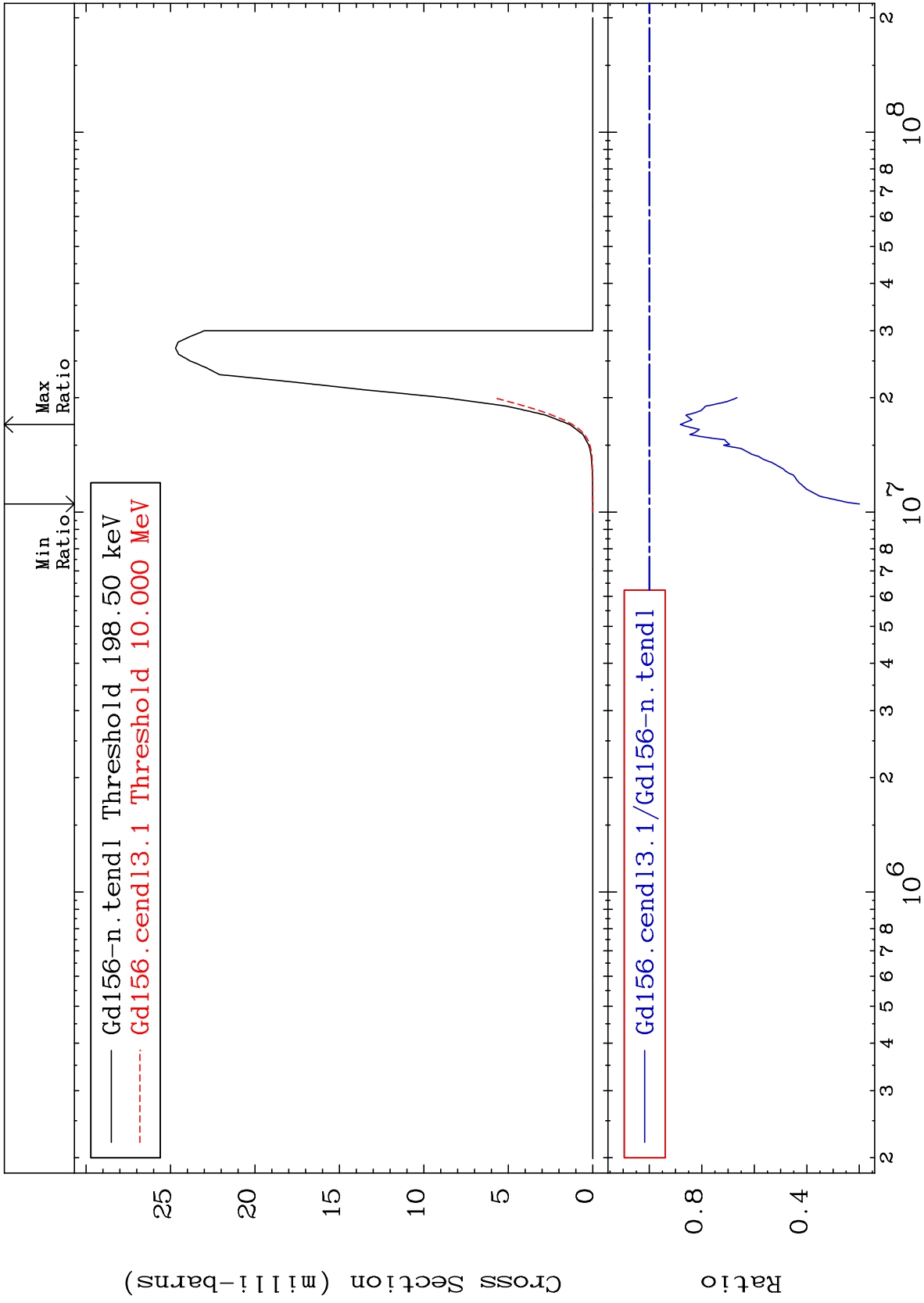
MAT 6437

(n, n') α

64-Gd-156

Cross Section

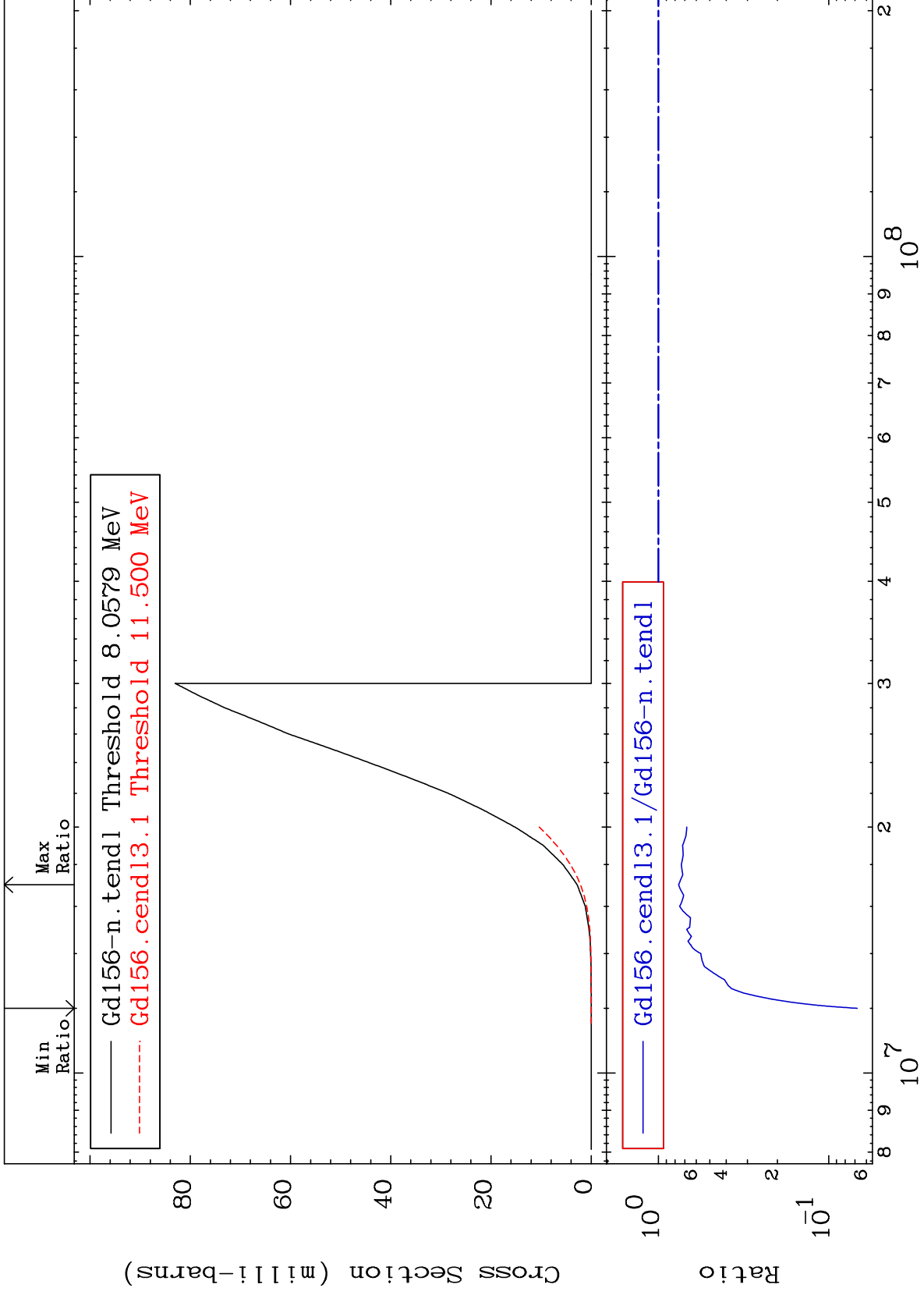
-80.05 To -11.82%



MAT 6437

(n,n') p
Cross Section

64-Gd-156
-93.21 To -23.88%



7

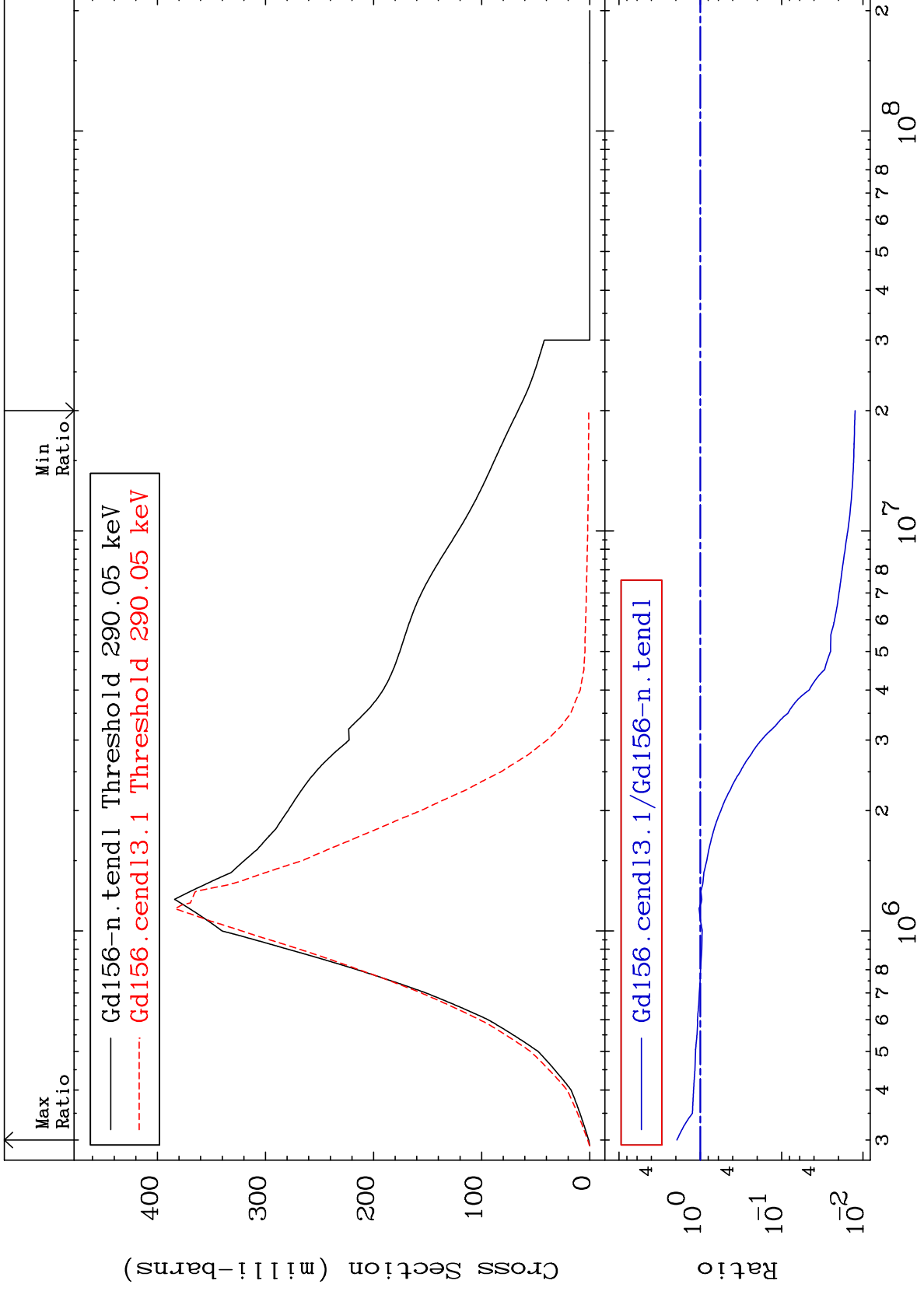
Incident Energy (eV)

64-Gd-156

MAT 6437

288.2 keV (n,n') Level
Cross Section

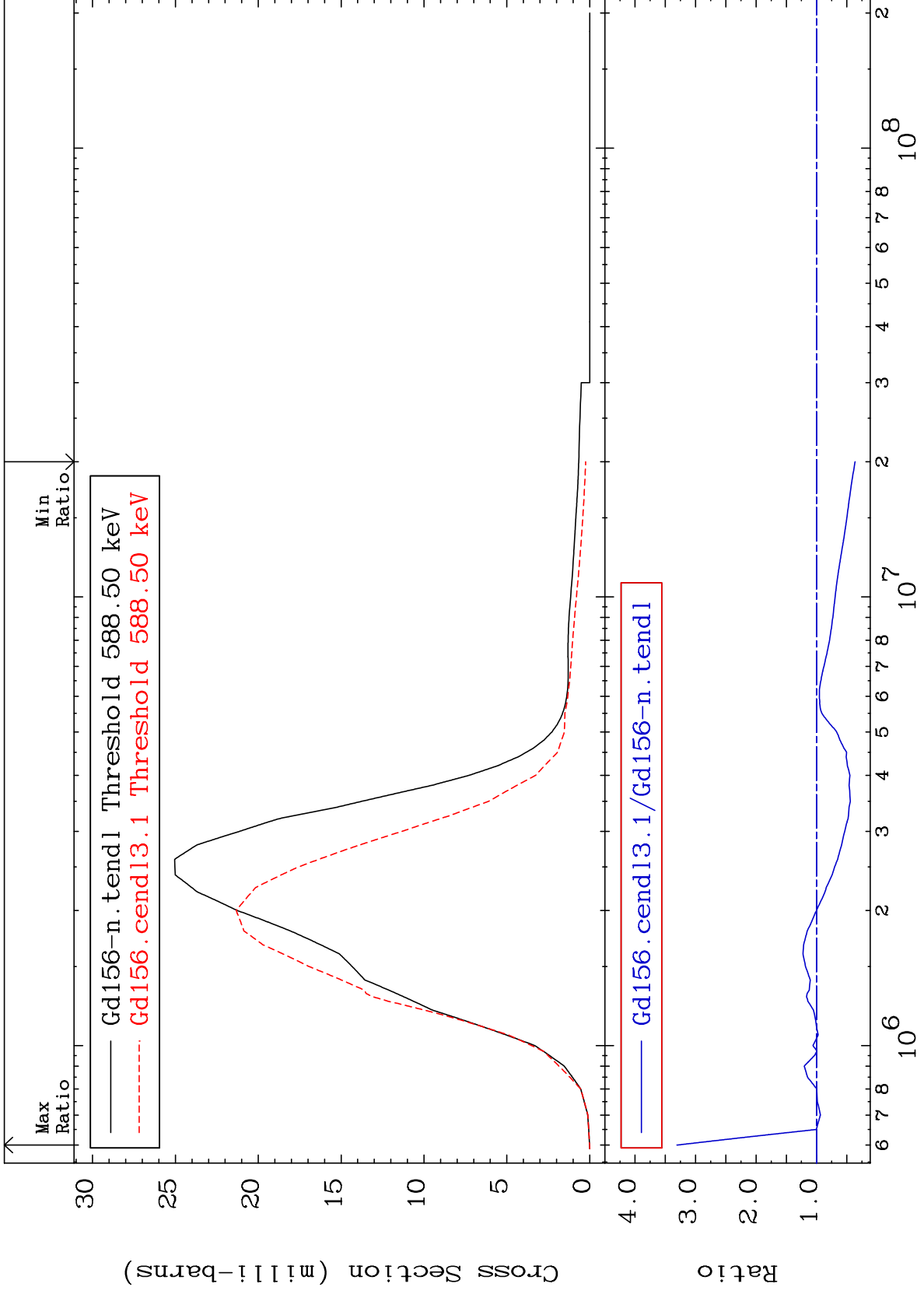
64-Gd-156
-98.75 To 93.89 %



MAT 6437

584.7 keV (n,n') Level
Cross Section

64-Gd-156
-63.64 To 230.8 %



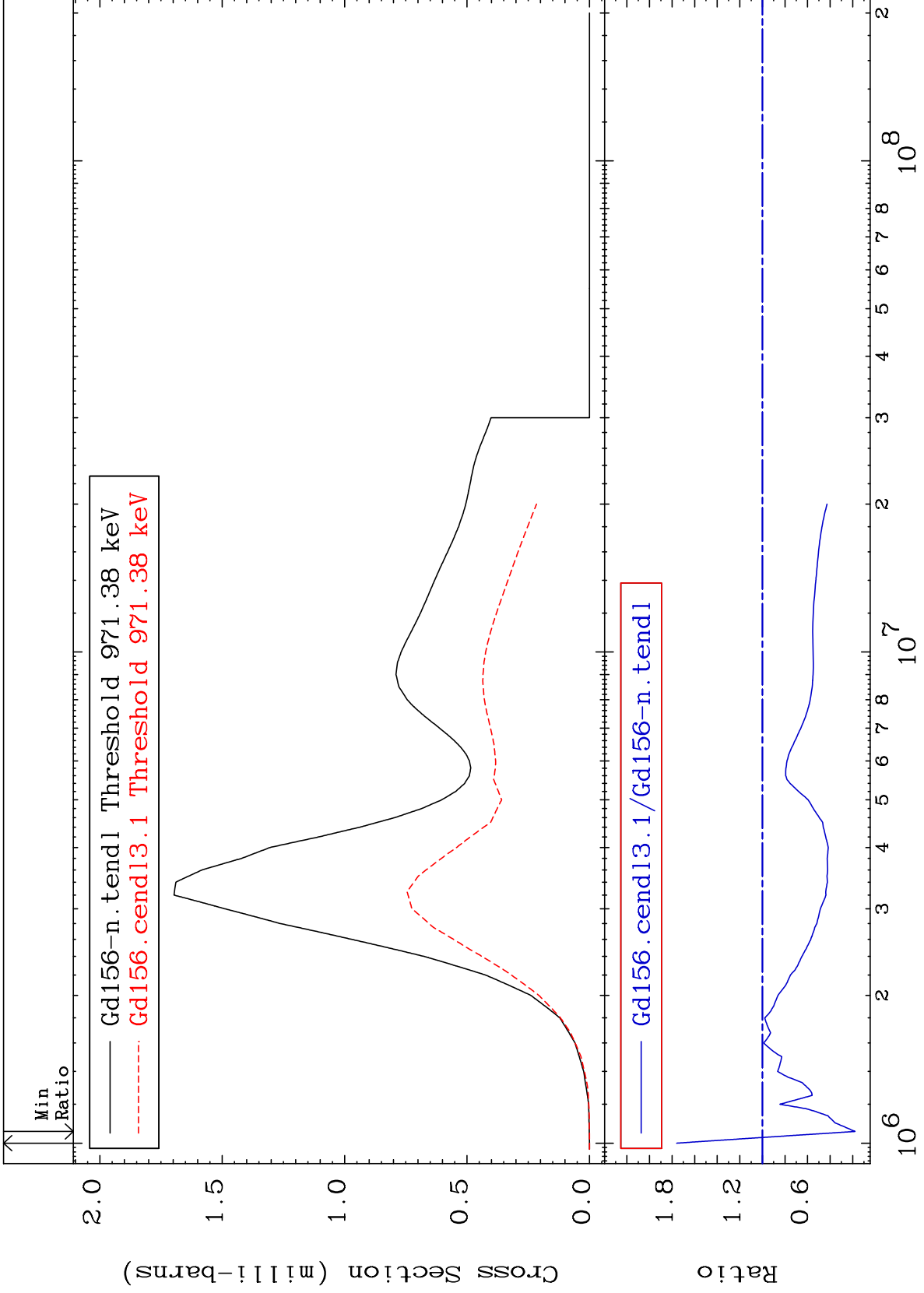
10

64-Gd-156

MAT 6437

965.1 keV (n,n') Level
Cross Section

64-Gd-156
-82.06 To 75.90 %



11

64-Gd-156

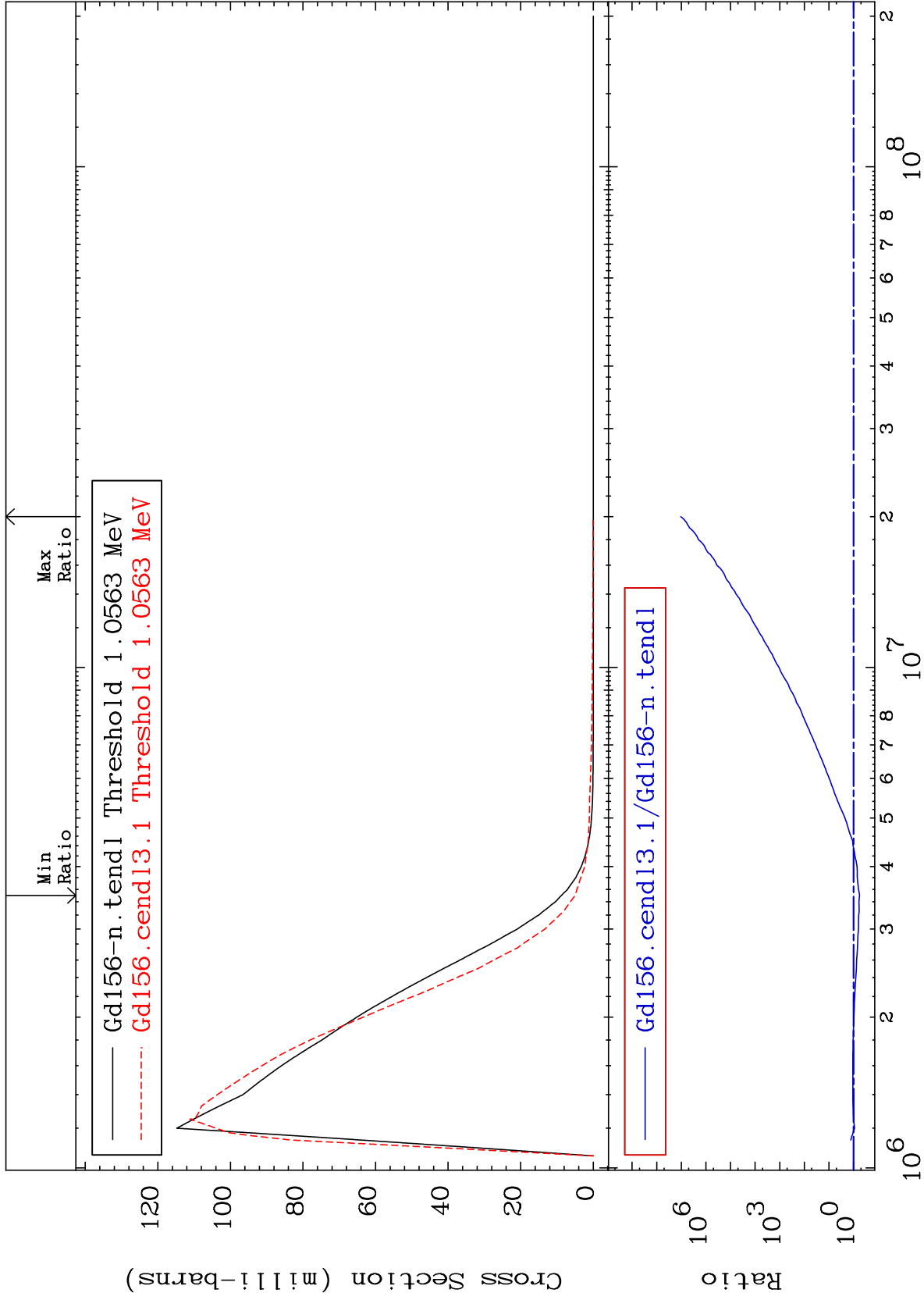
MAT 6437

1.049 MeV (n,n') Level

64-Gd-156

-42.81 To 9999. %

Cross Section



Incident Energy (eV)

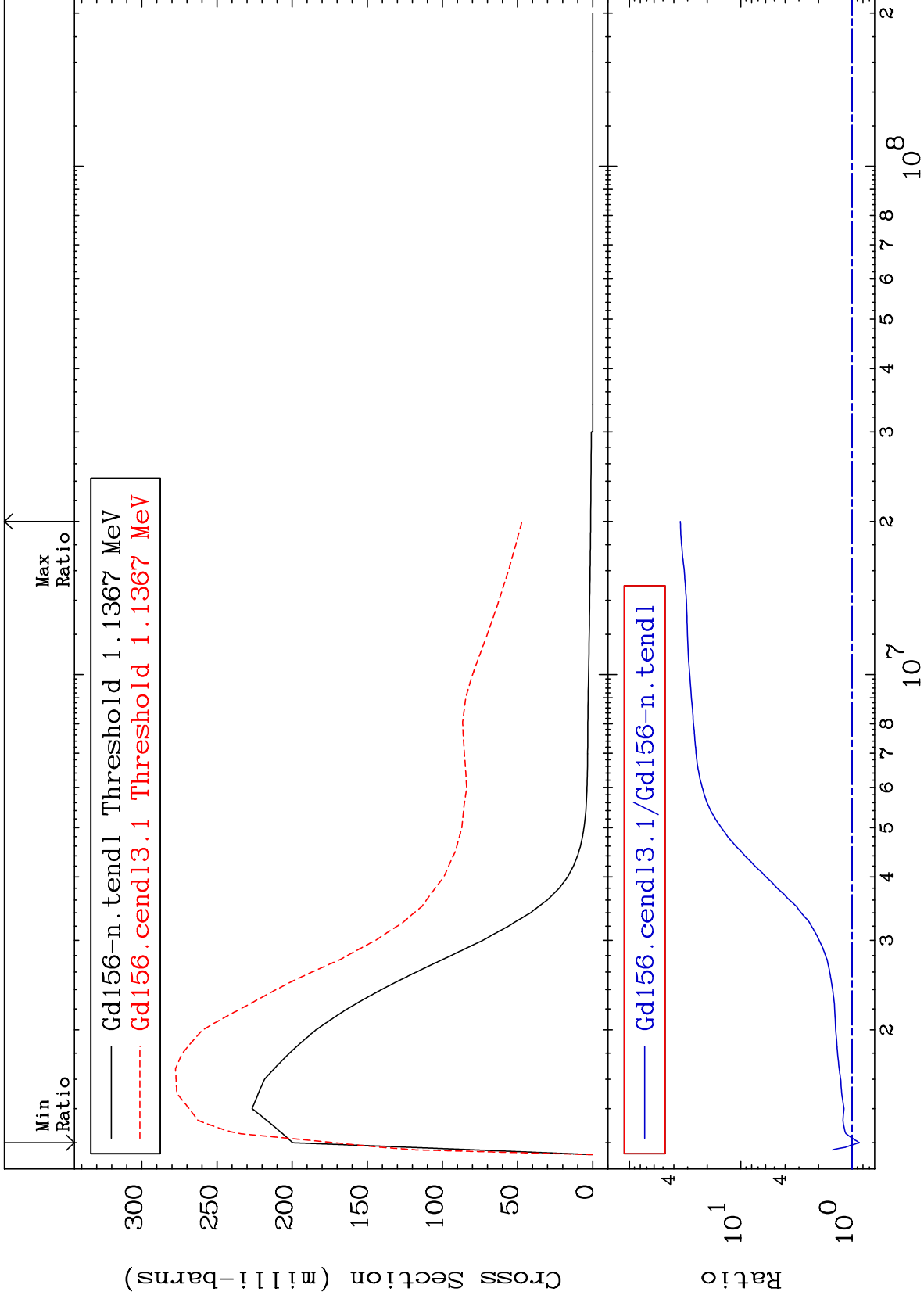
64-Gd-156

12

MAT 6437

1.129 MeV (n,n') Level
Cross Section

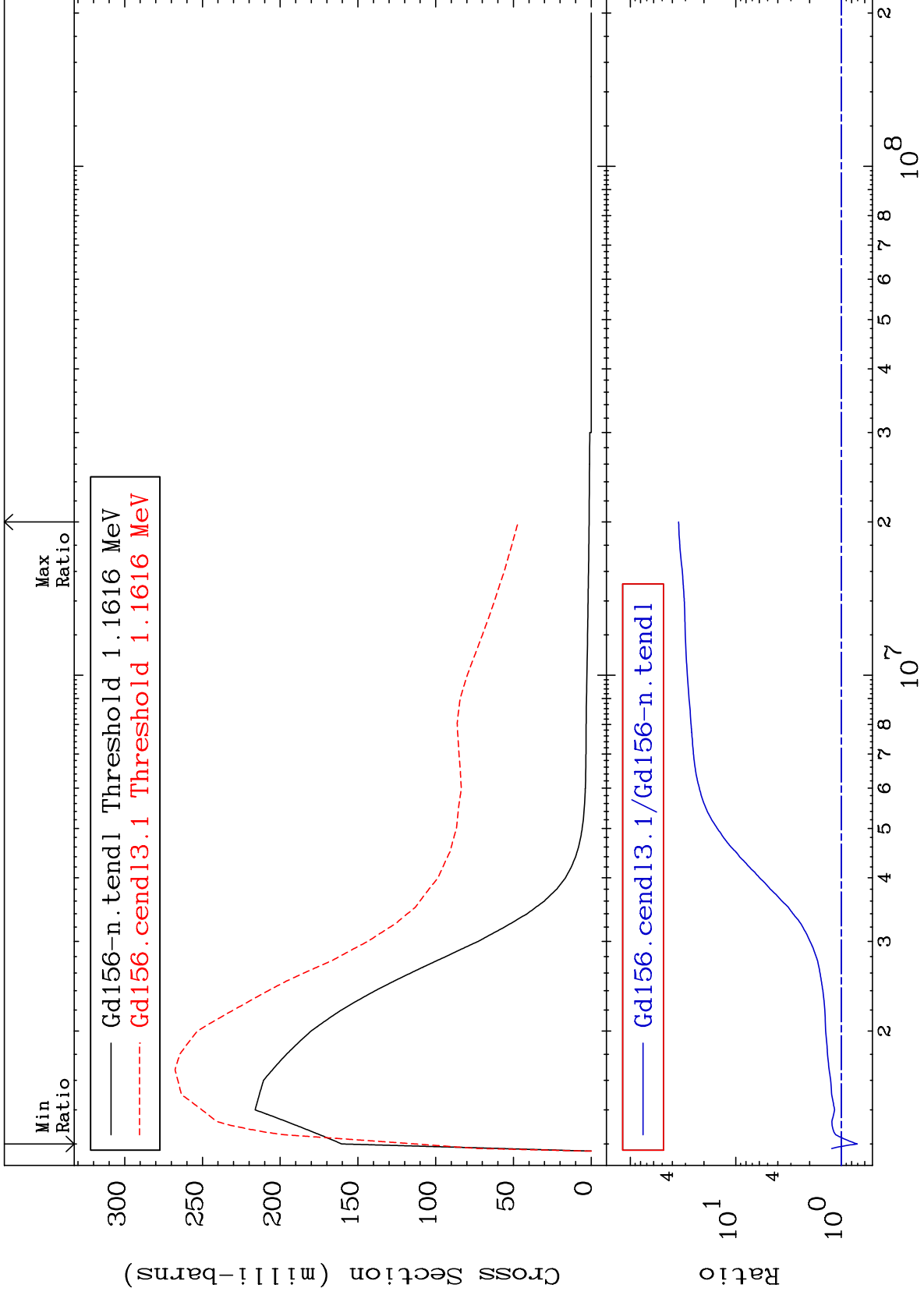
64-Gd-156
-13.92 To 3389. %



MAT 6437

1.154 MeV (n,n') Level
Cross Section

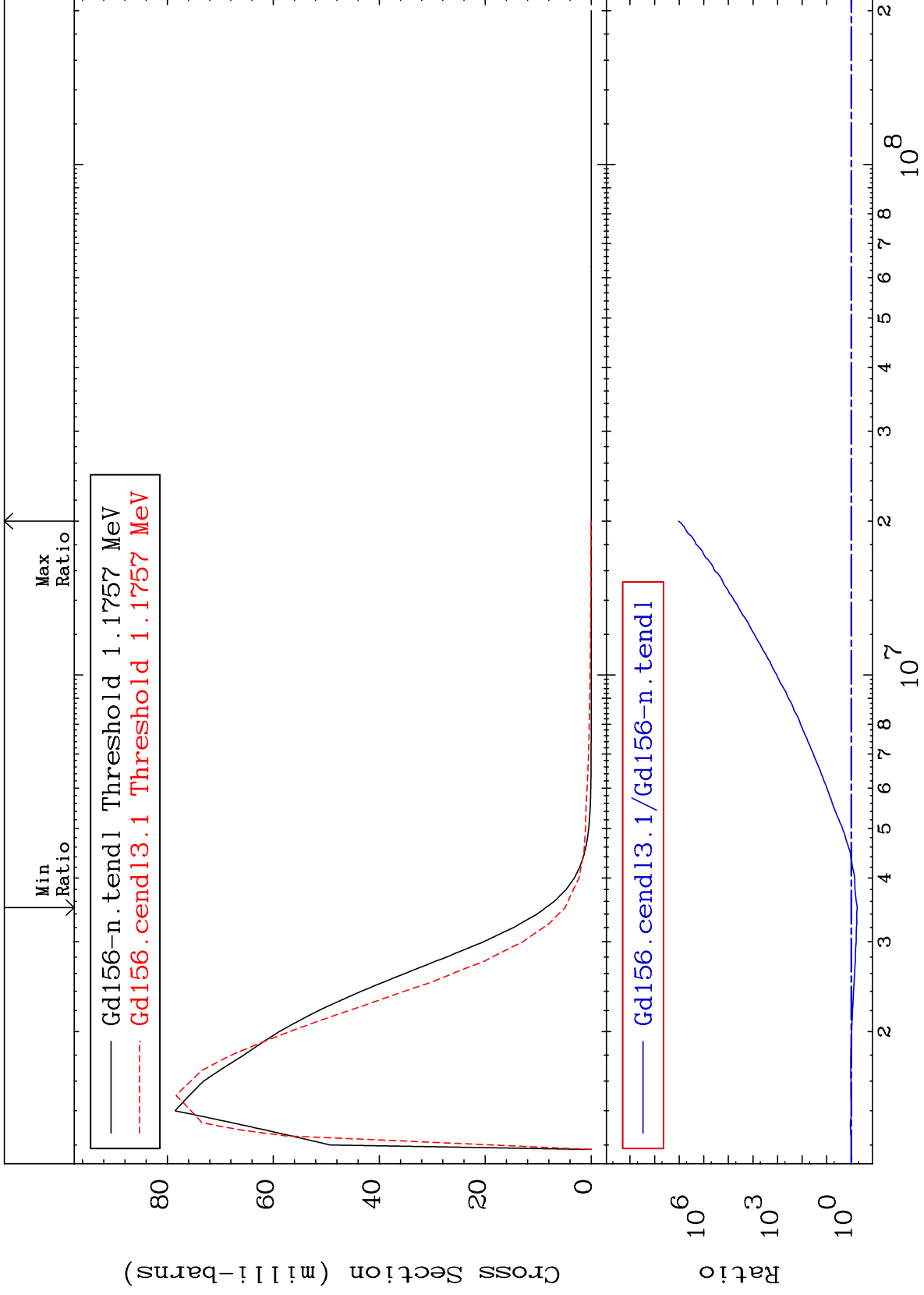
64-Gd-156
-29.38 To 3384. %



MAT 6437

1.168 MeV (n,n') Level
Cross Section

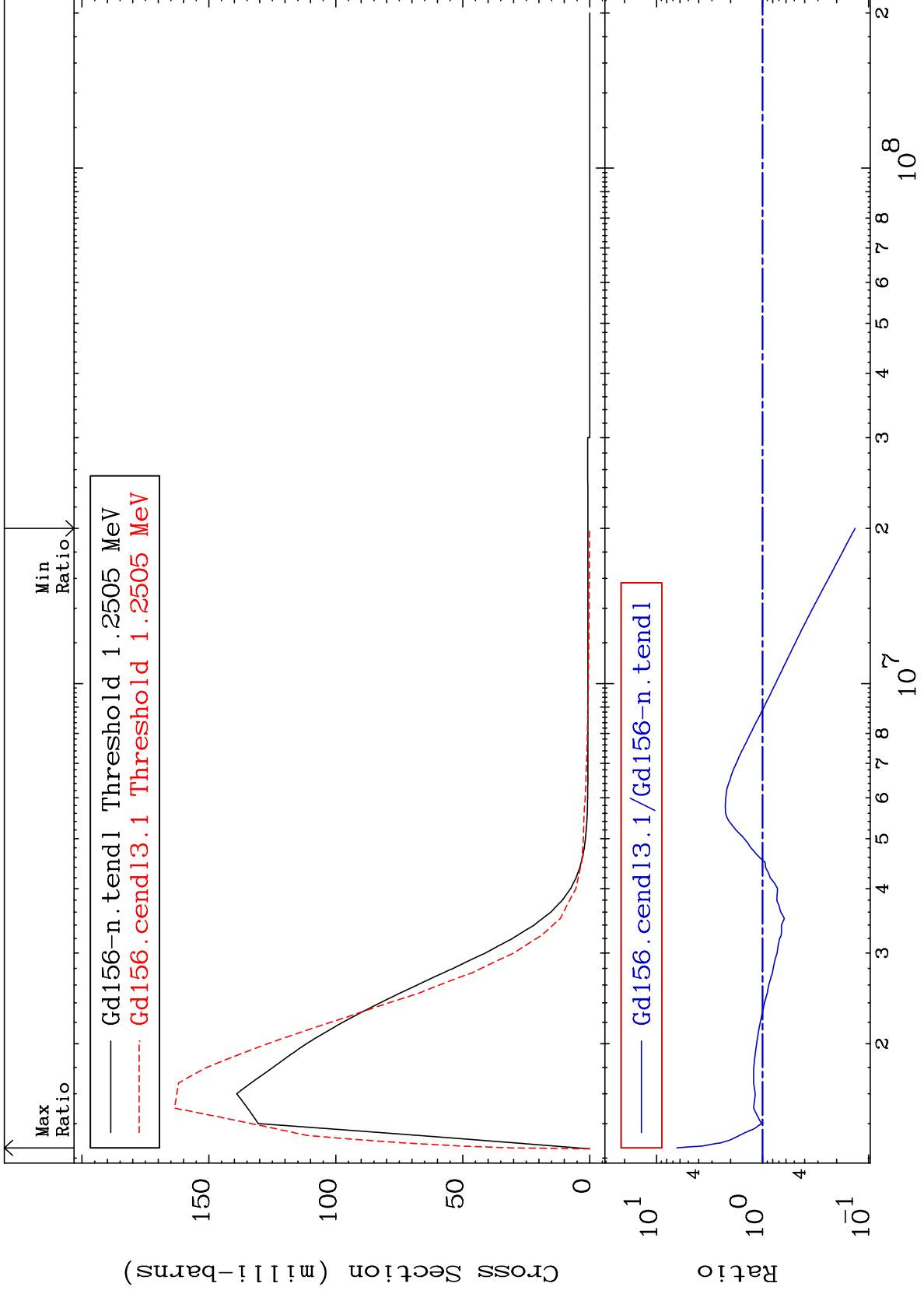
64-Gd-156
-42.73 To 9999. %



MAT 6437

1.242 MeV (n,n') Level
Cross Section

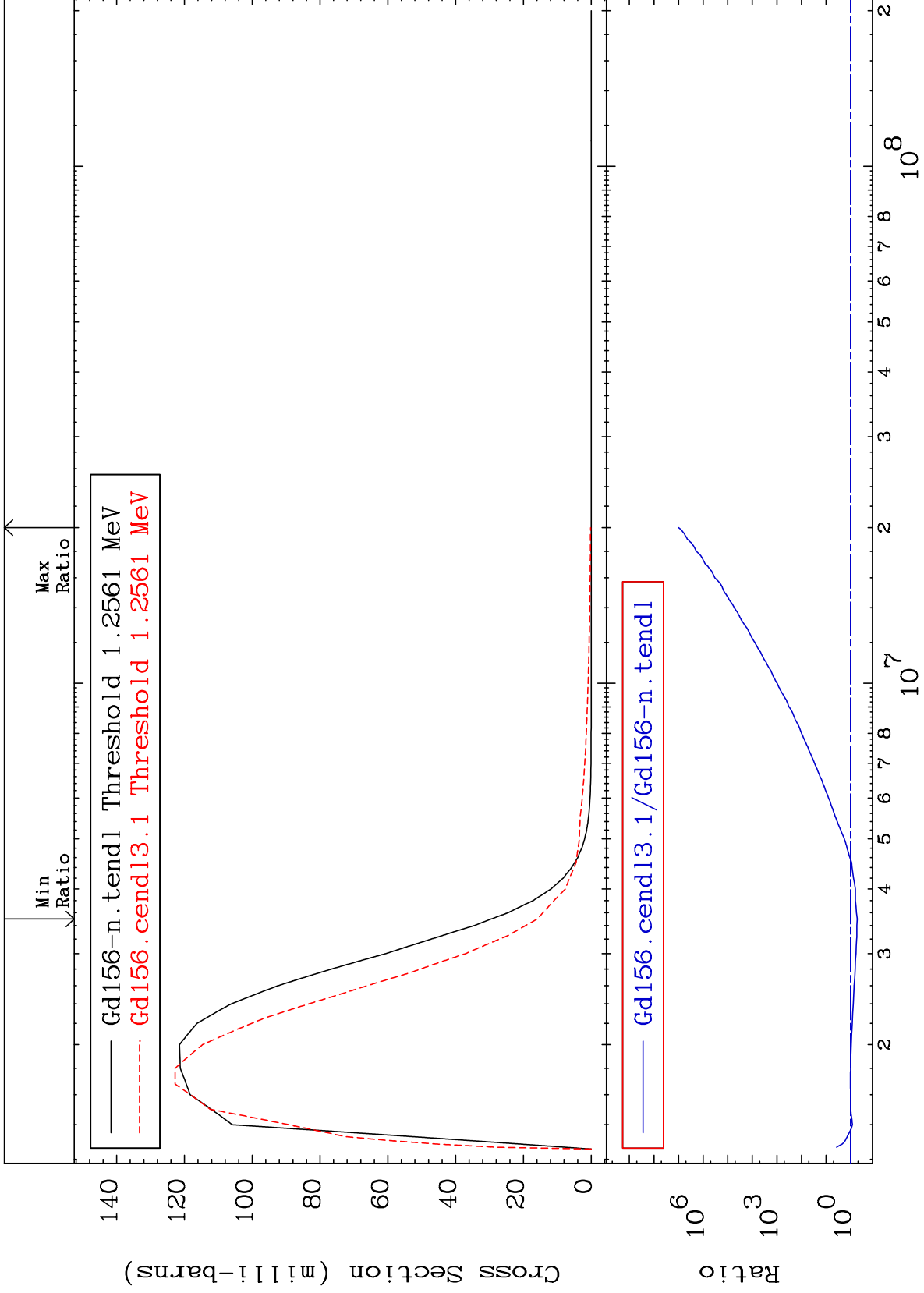
64-Gd-156
-86.62 To 541.3 %



MAT 6437

1.248 MeV (n,n') Level
Cross Section

64-Gd-156
-46.14 To 9999. %



17

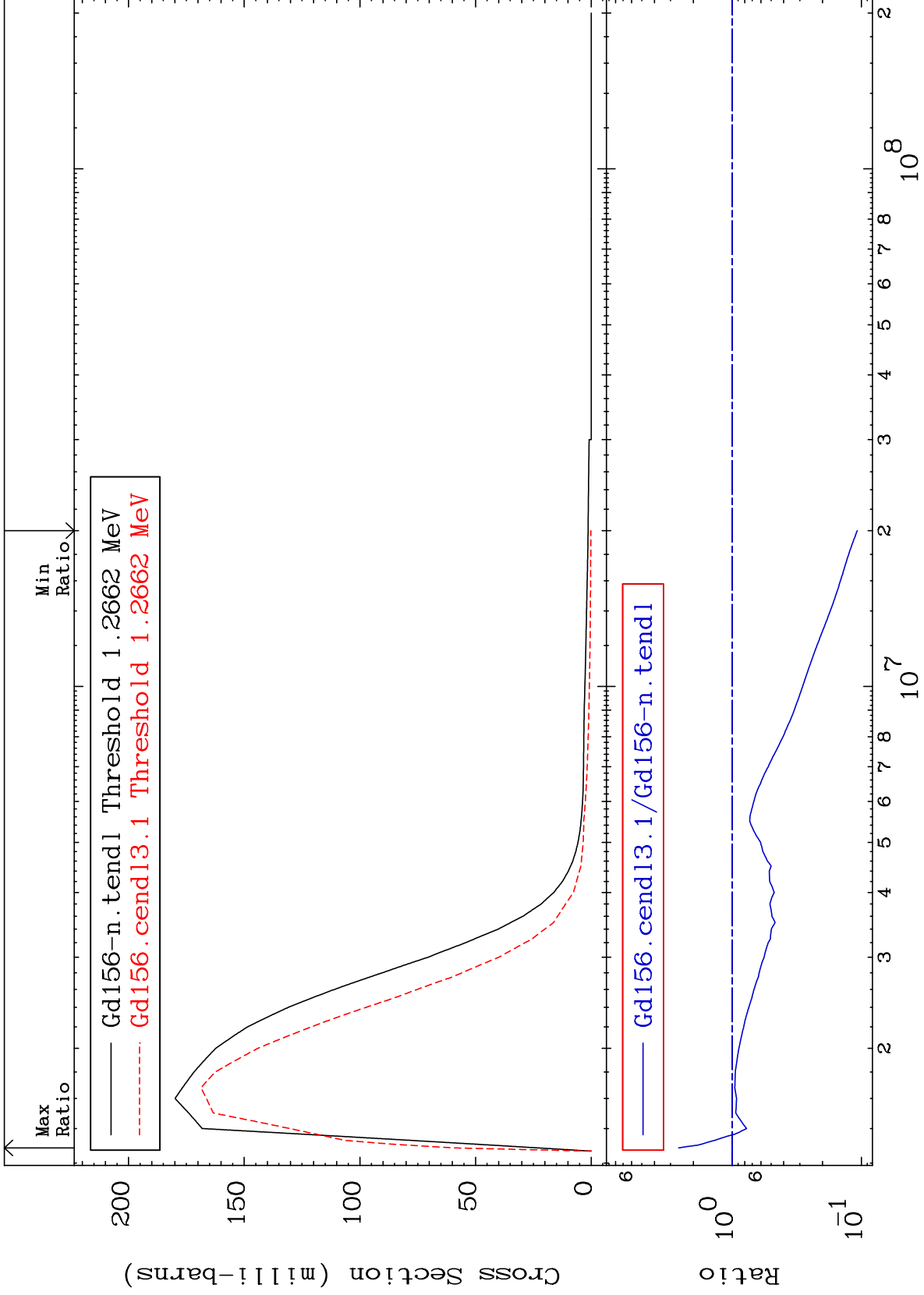
Incident Energy (eV)

64-Gd-156

MAT 6437

1.258 MeV (n,n') Level
Cross Section

64-Gd-156
-89.23 To 159.6 %



18

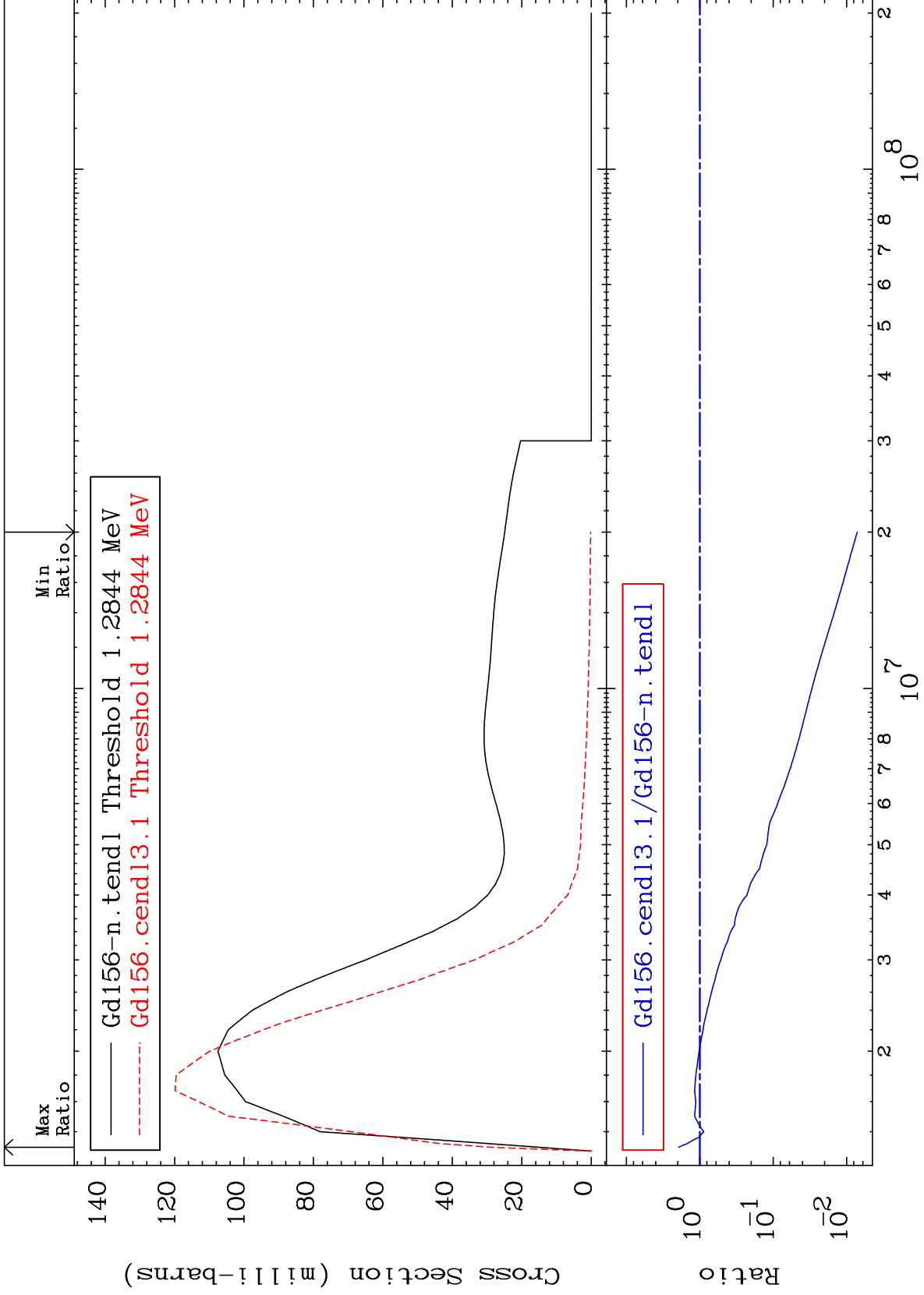
Incident Energy (eV)

64-Gd-156

MAT 6437

1.276 MeV (n,n') Level
Cross Section

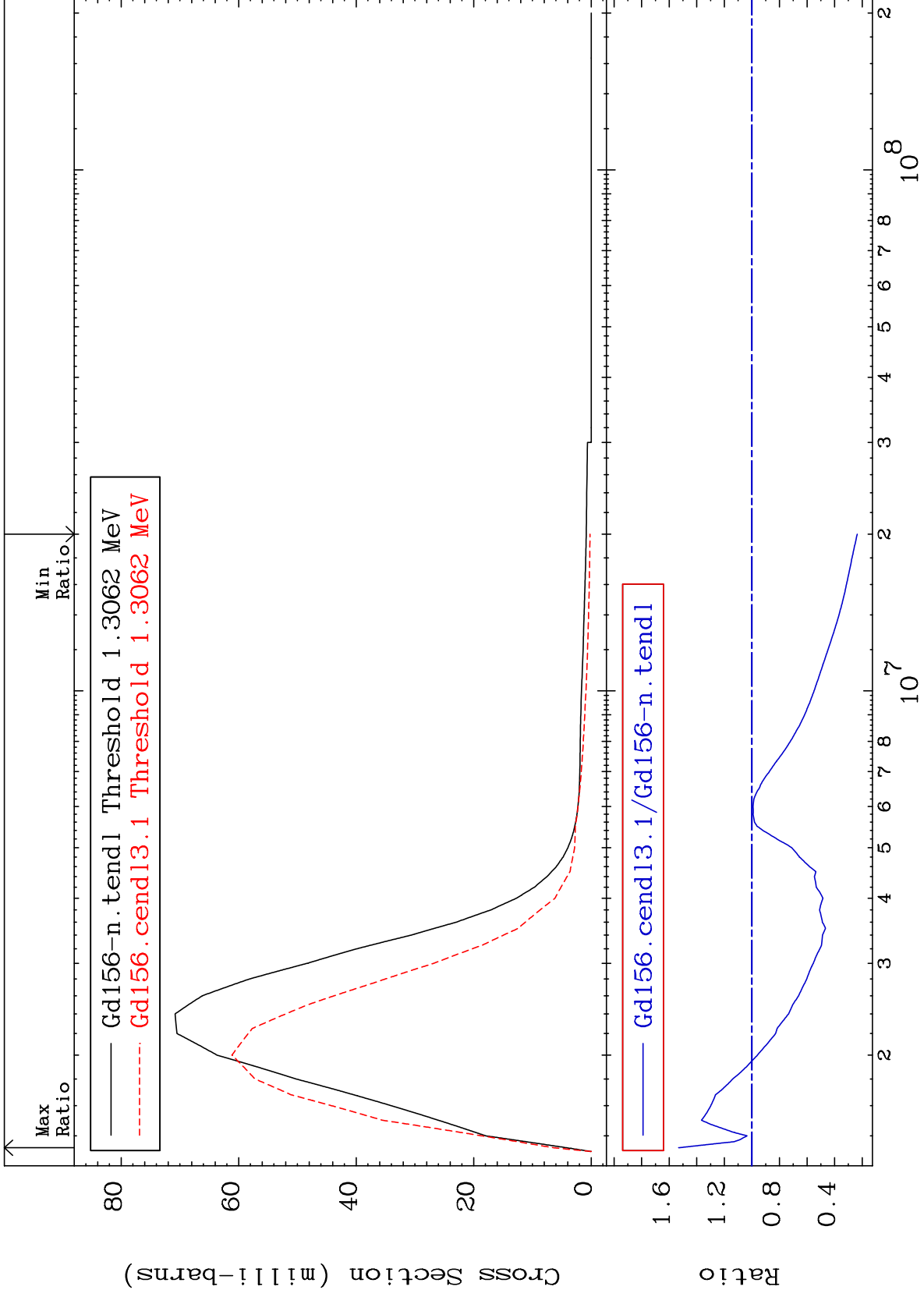
64-Gd-156
-99.28 To 94.37 %



MAT 6437

1.298 MeV (n,n') Level
Cross Section

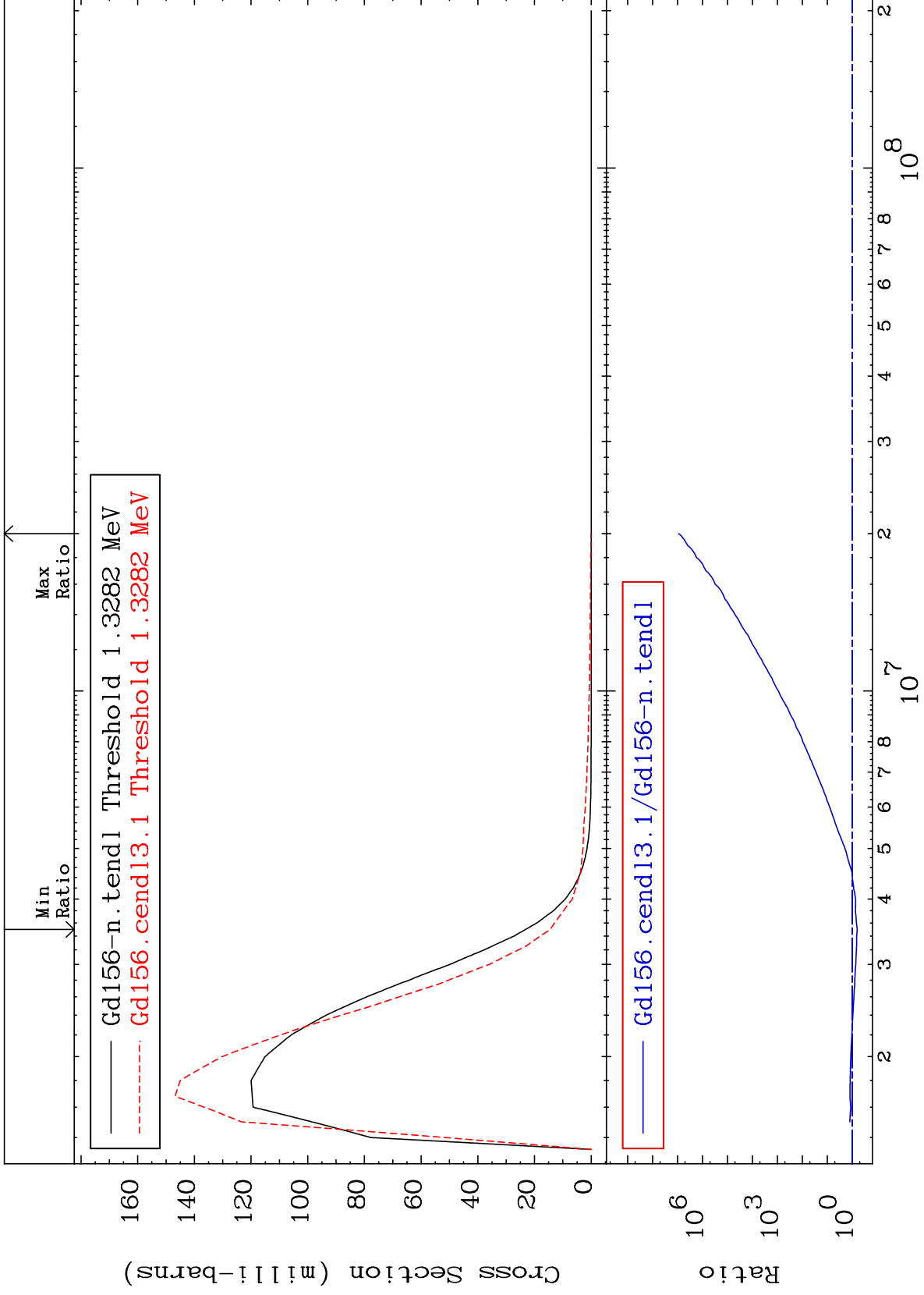
64-Gd-156
-76.45 To 53.16 %

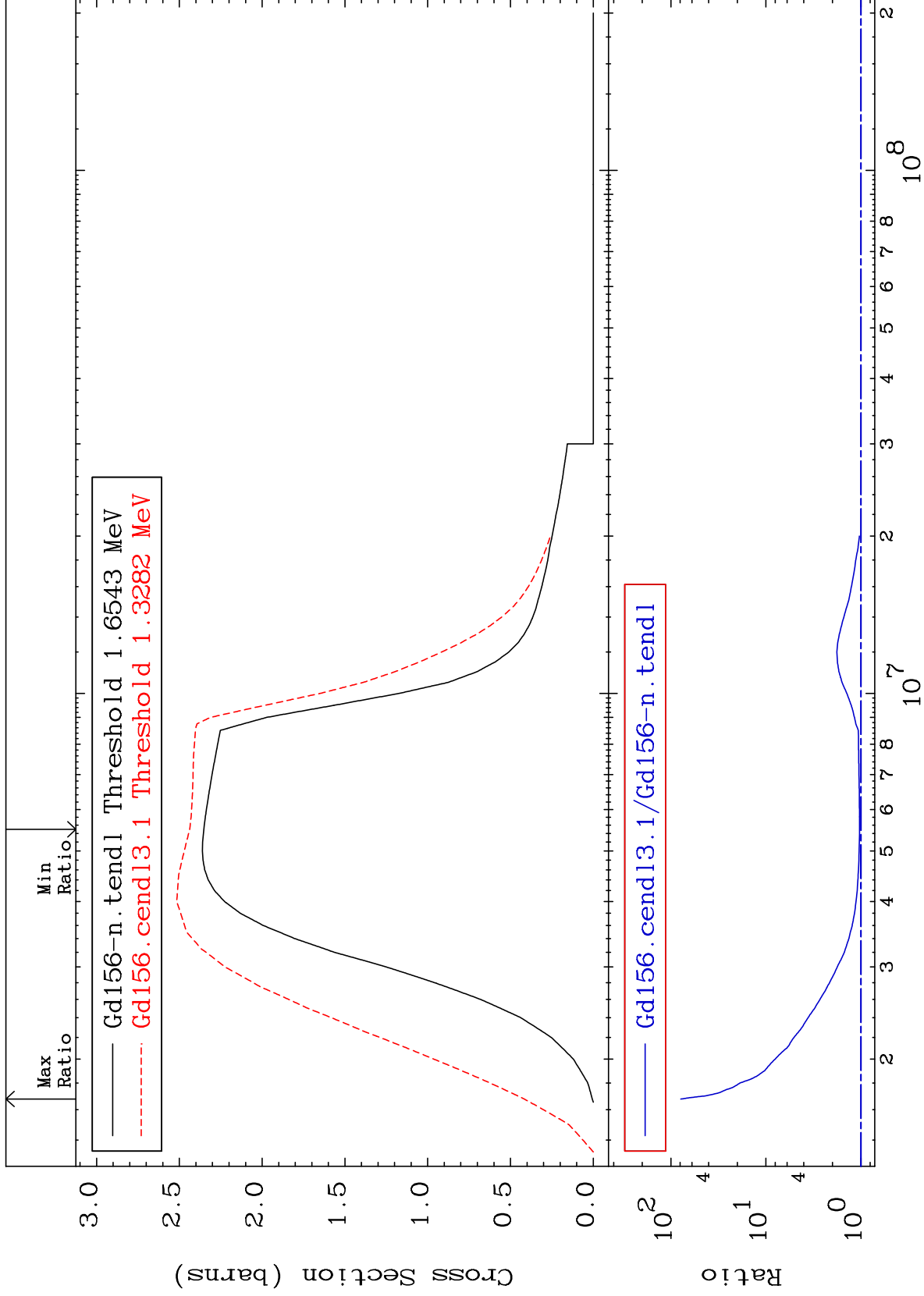


MAT 6437

1.320 MeV (n,n') Level
Cross Section

64-Gd-156
-37.46 To 9999. %

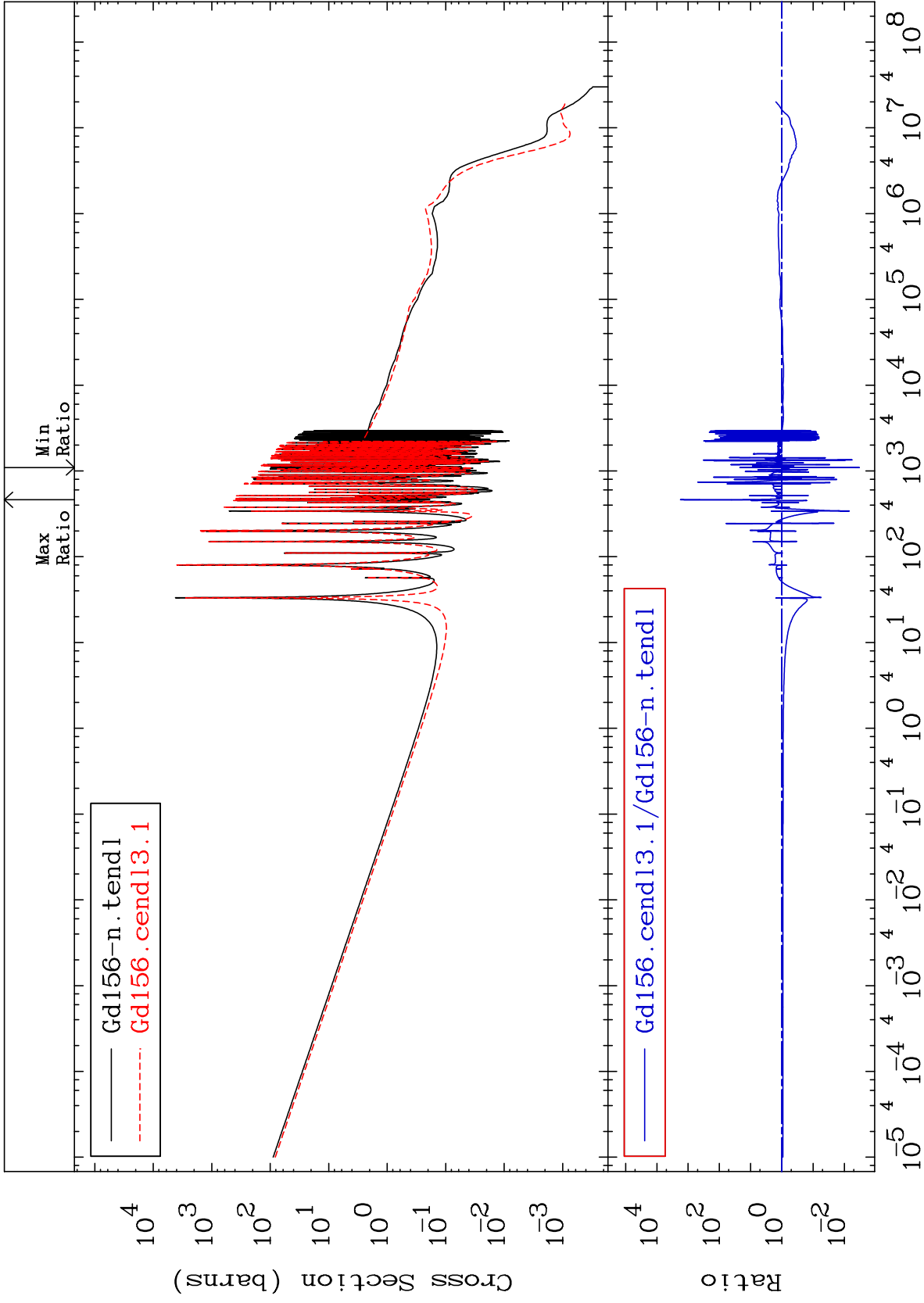




MAT 6437

(n, γ)
Cross Section

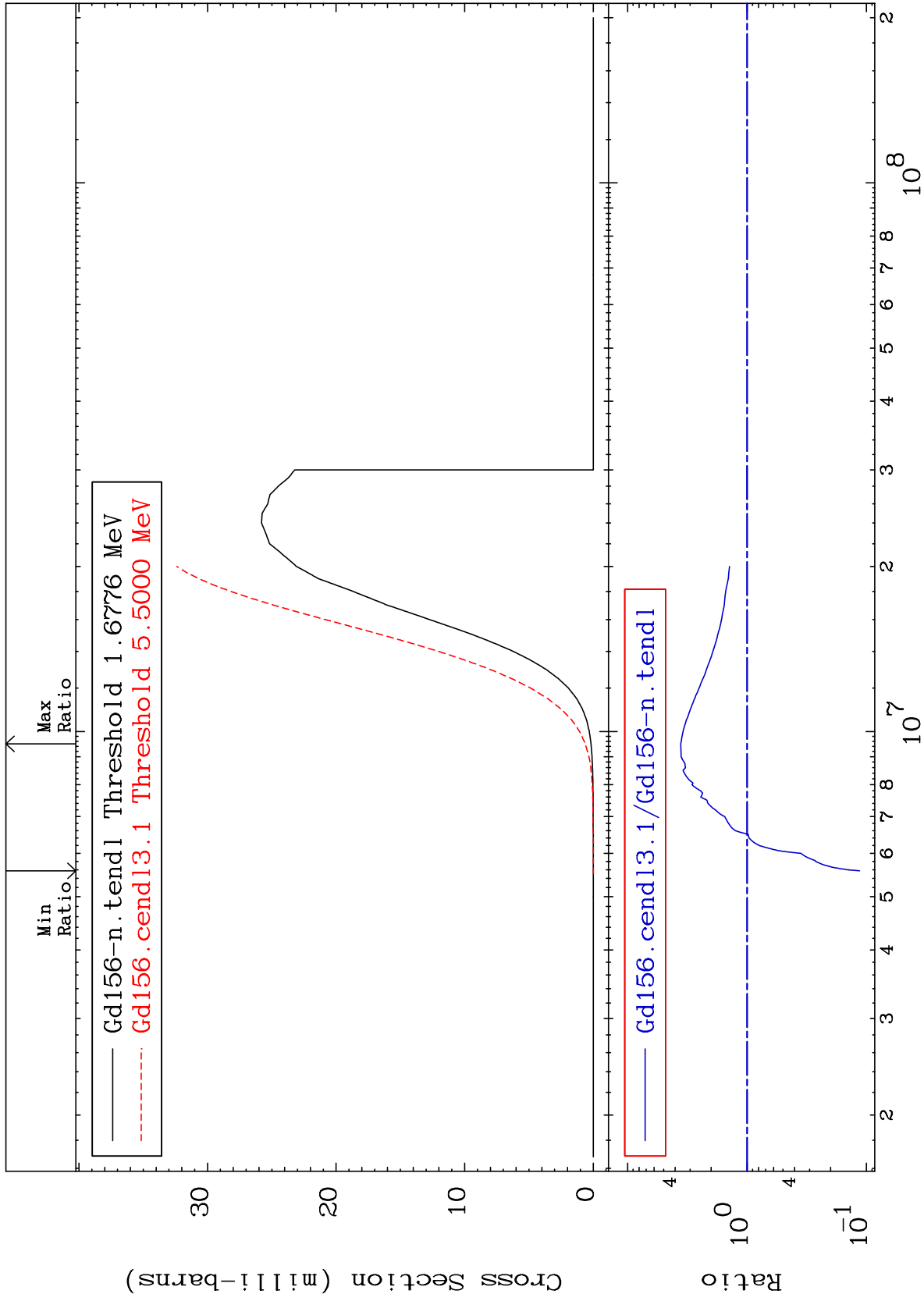
64-Gd-156
-99.67 To 9999. %



MAT 6437

64-Gd-156

(n,p)
Cross Section
-88.56 To 258.8 %



24

Incident Energy (eV)

64-Gd-156

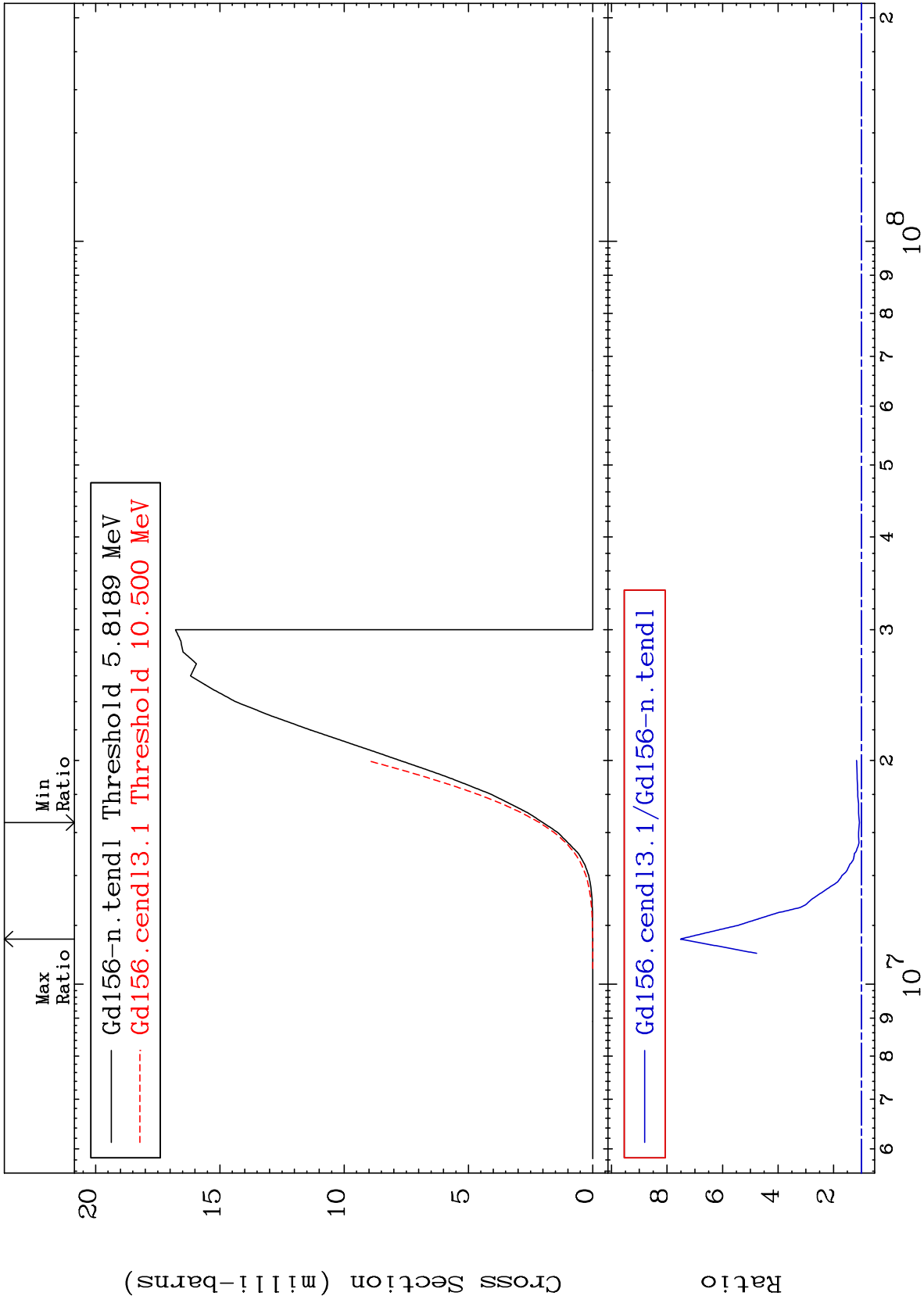
MAT 6437

(n, d)

64-Gd-156

Cross Section

6.763 To 652.1 %



25

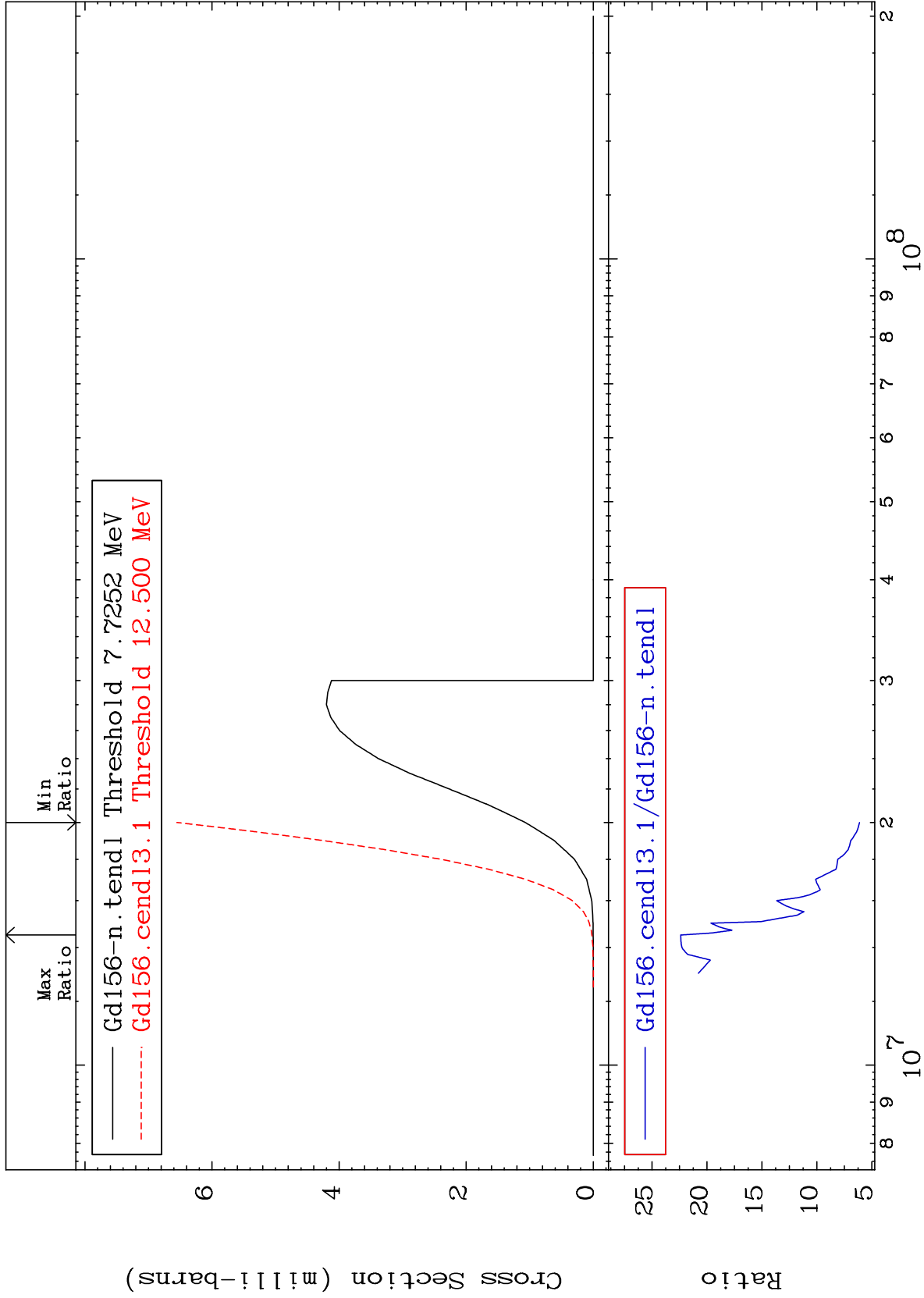
Incident Energy (eV)

64-Gd-156

MAT 6437

64-Gd-156

(n, t)
Cross Section
512.1 To 2138. %



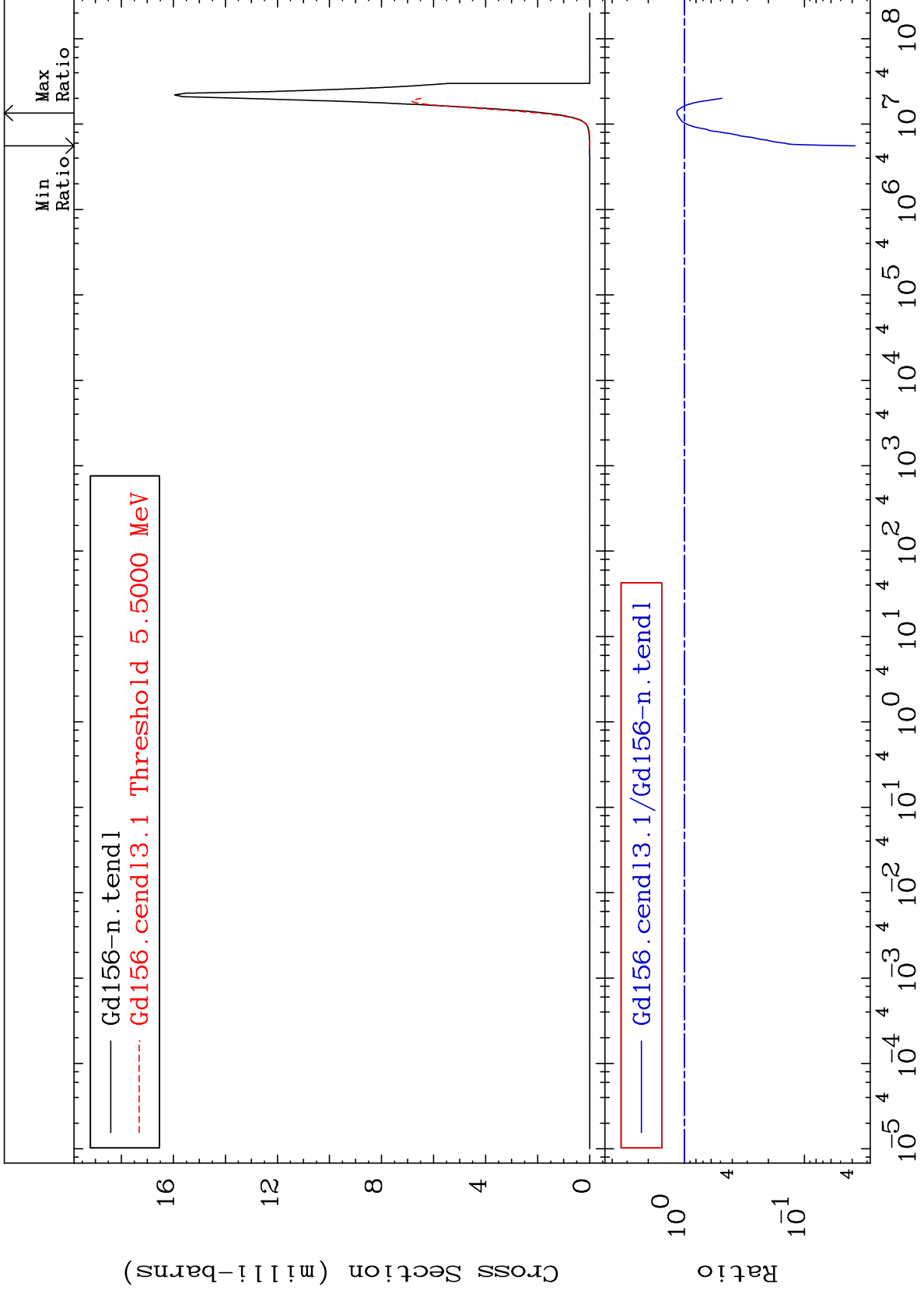
26

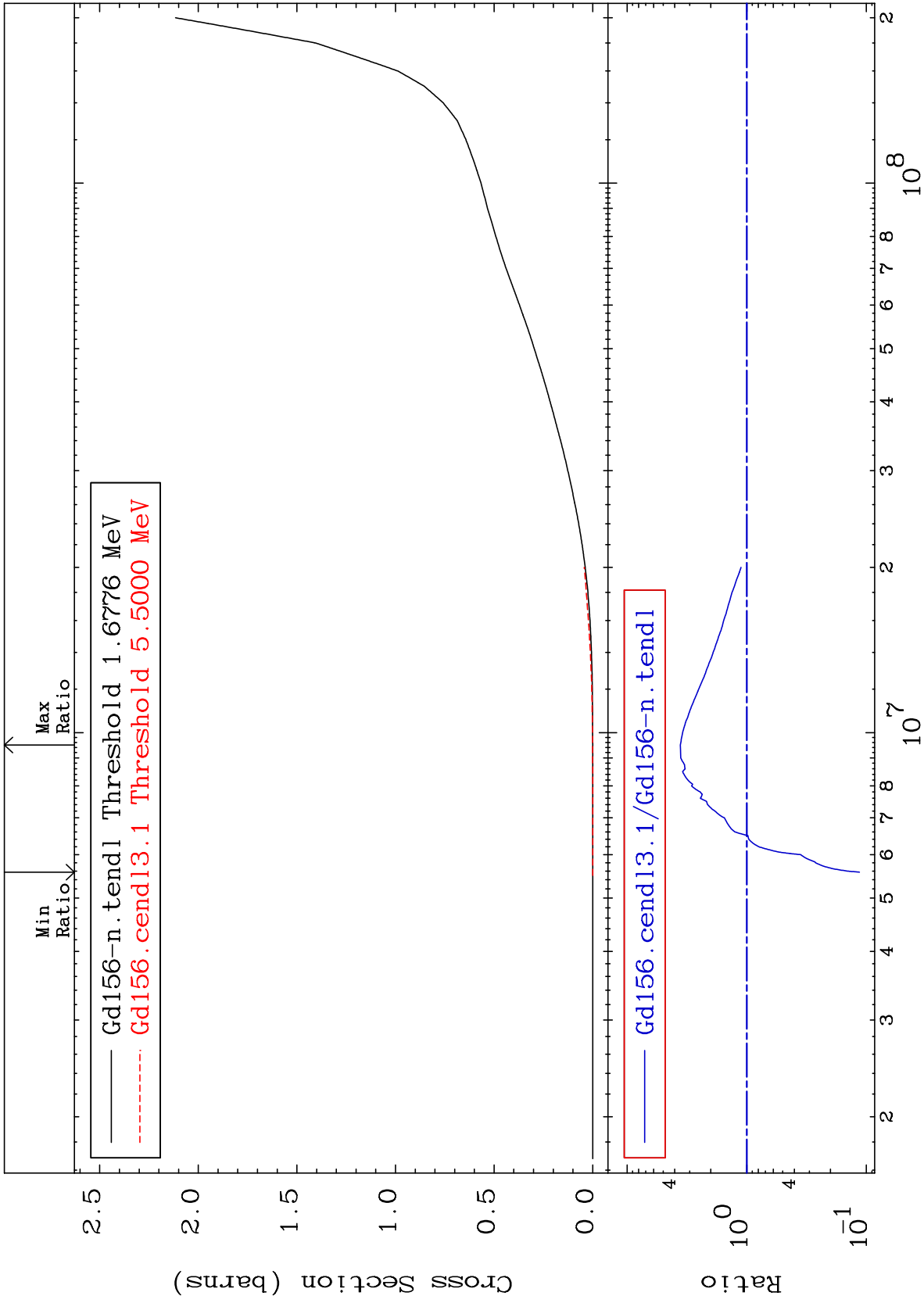
64-Gd-156

MAT 6437

(n, α)
Cross Section

64-Gd-156
-96.22 To 15.43 %

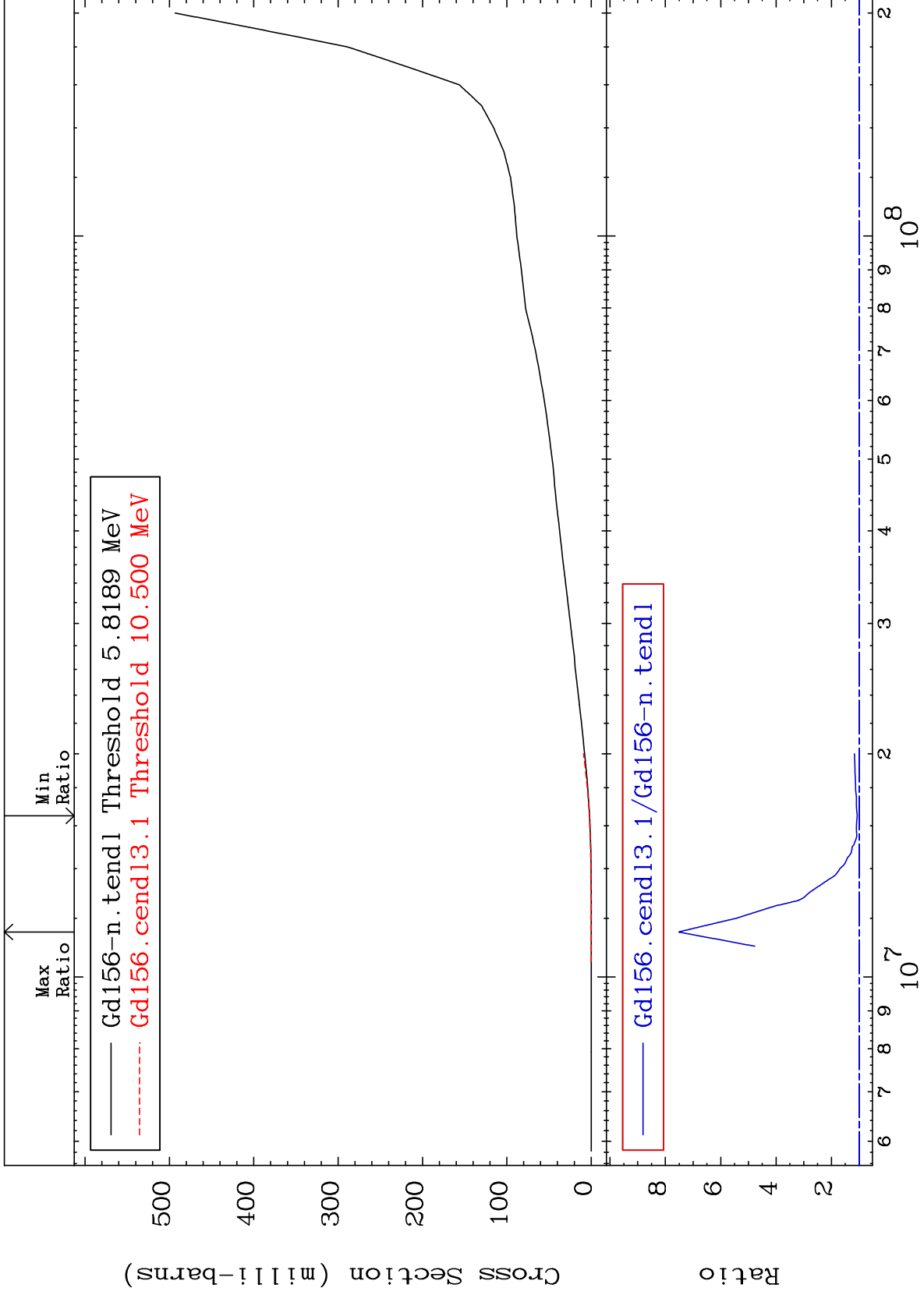




MAT 6437

Deuterium Production
Cross Section

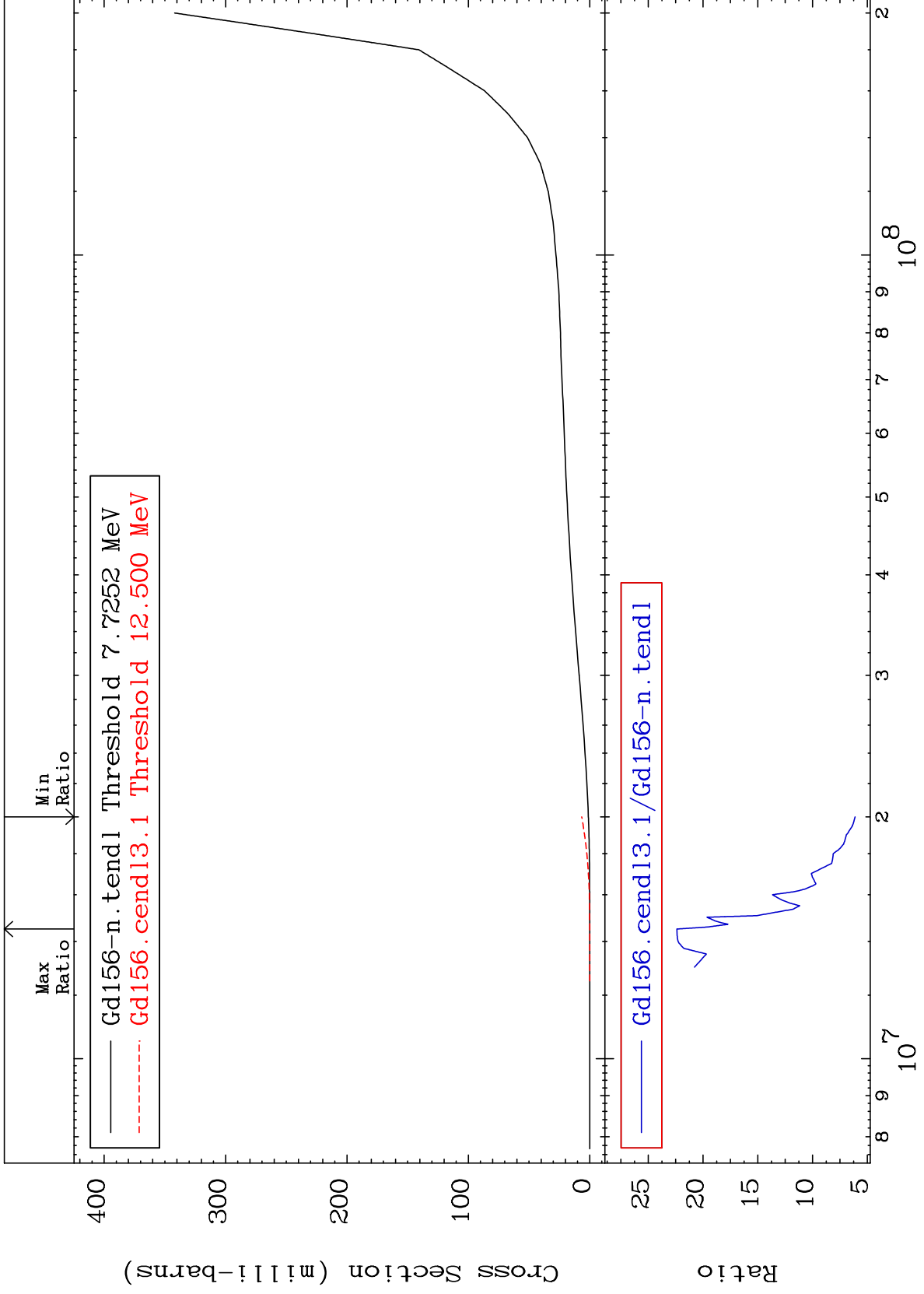
64-Gd-156
6.763 To 652.1 %



MAT 6437

Tritium Production
Cross Section

64-Gd-156
511.9 To 2138. %



30

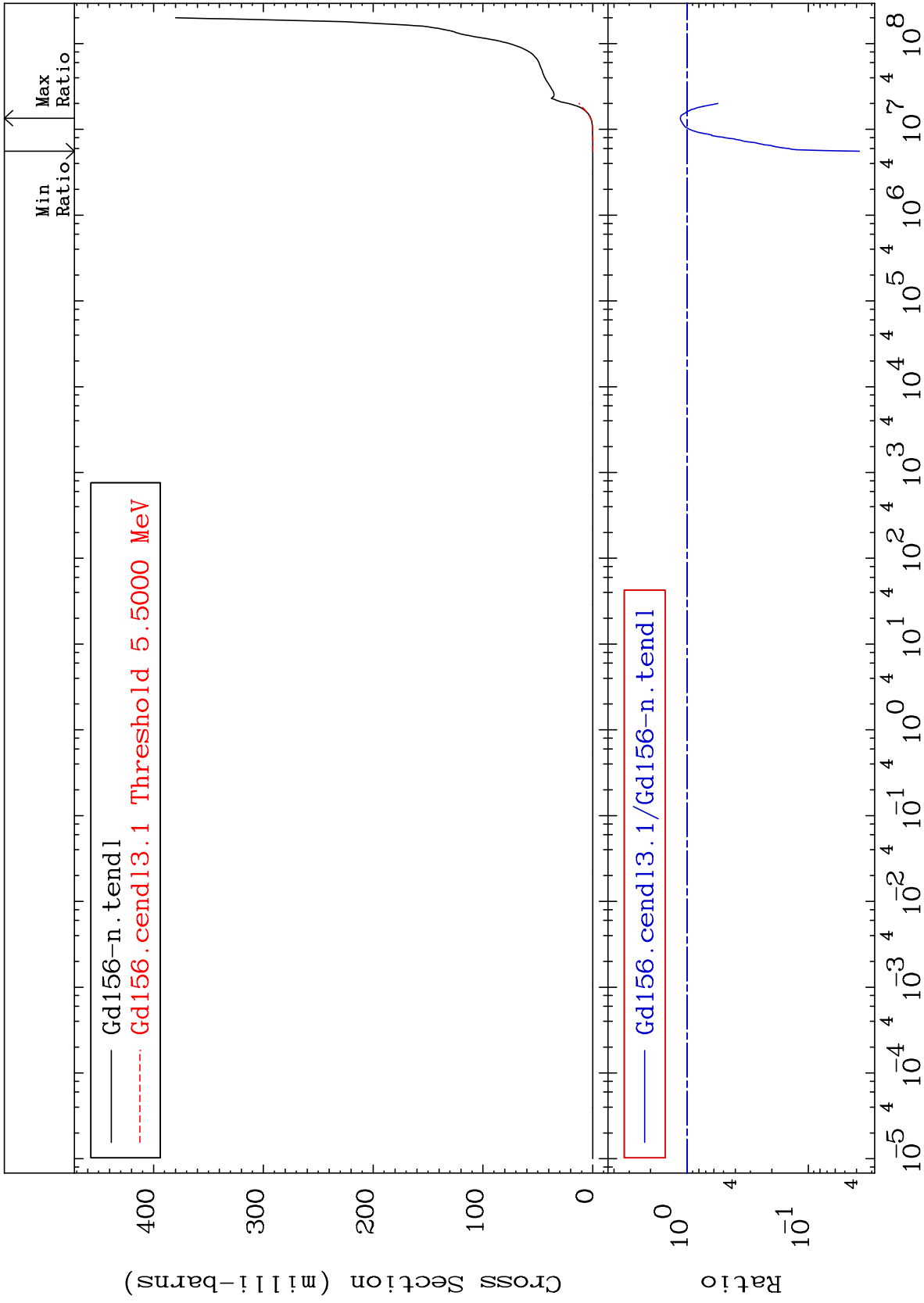
Incident Energy (eV)

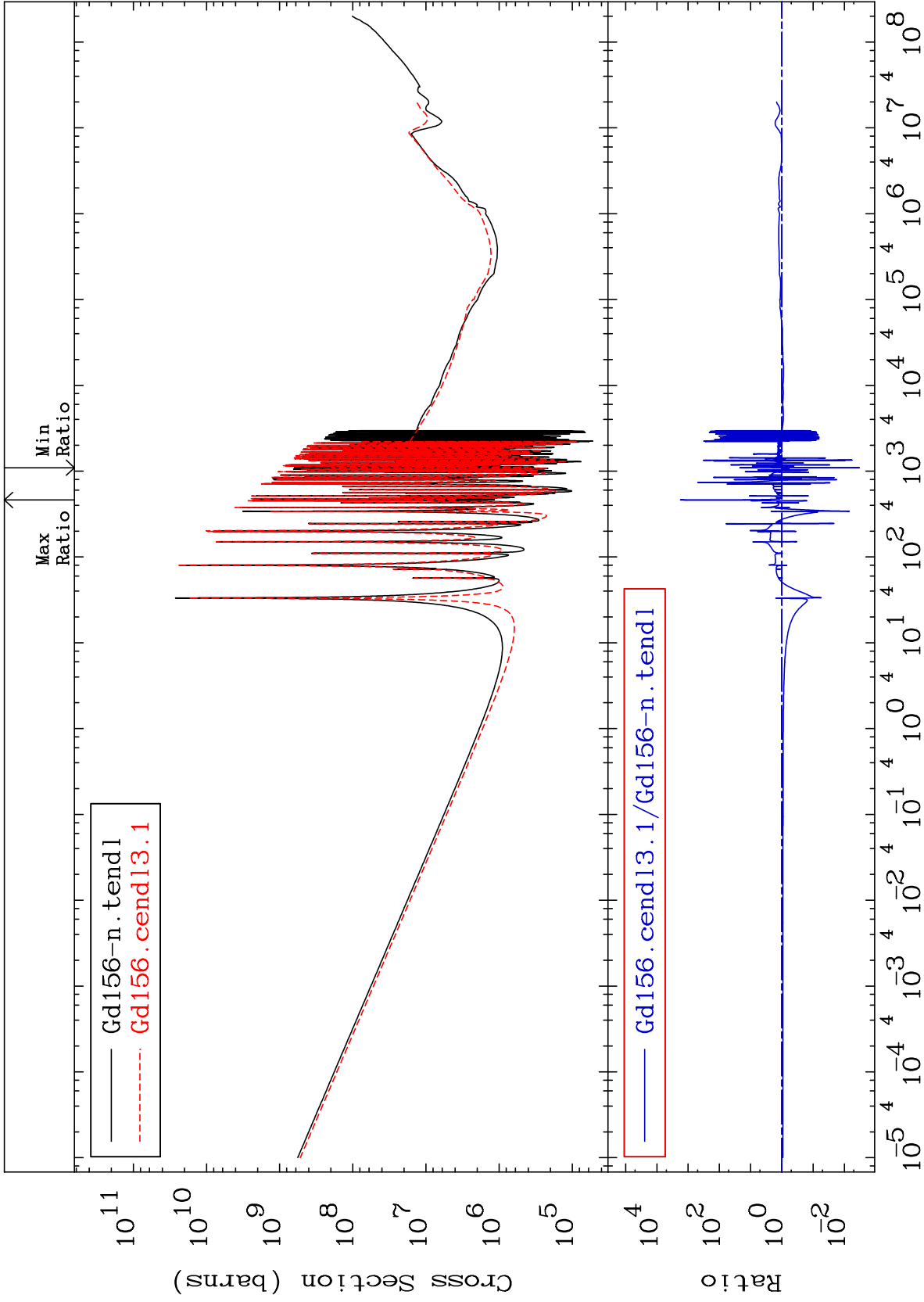
64-Gd-156

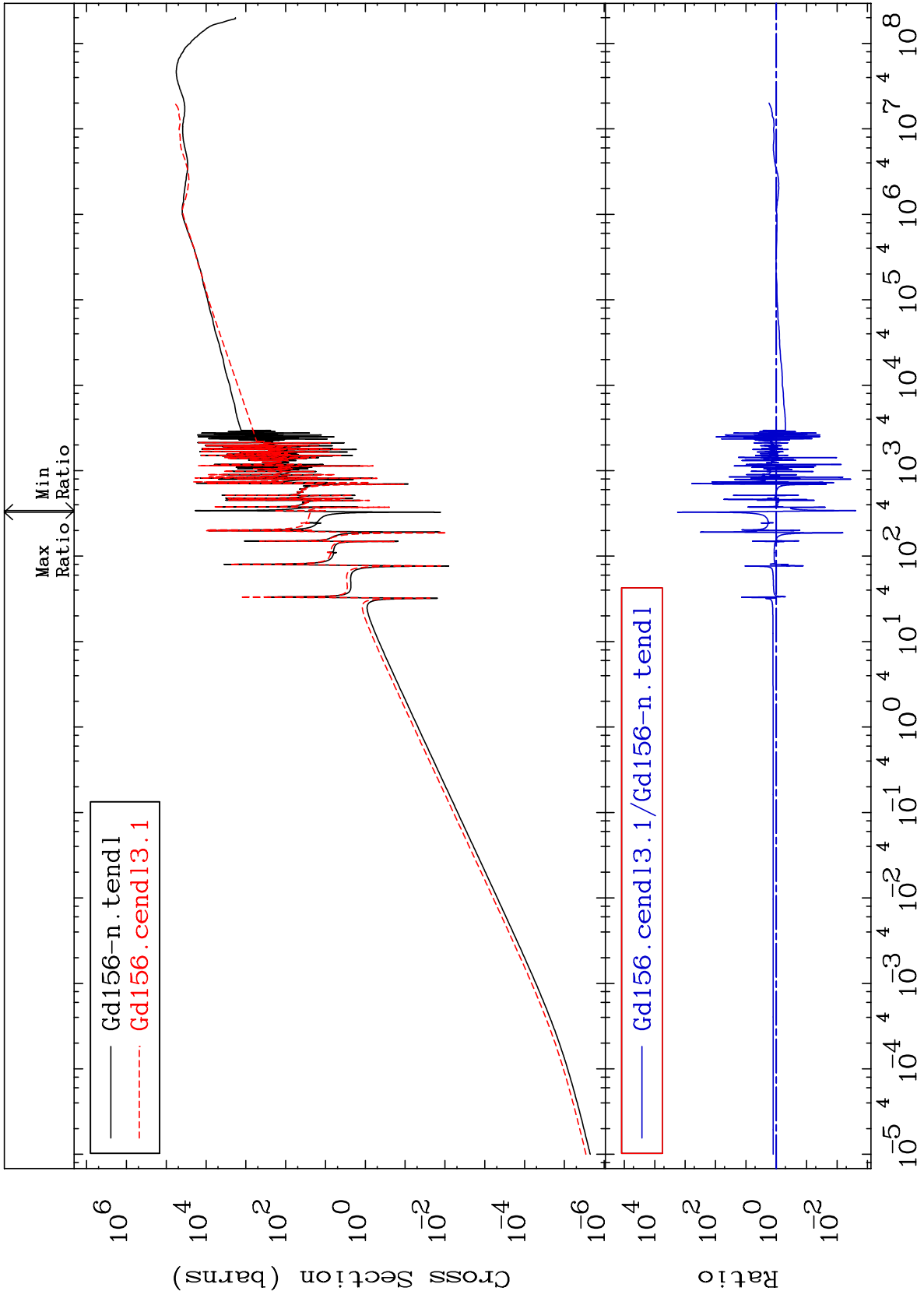
MAT 6437

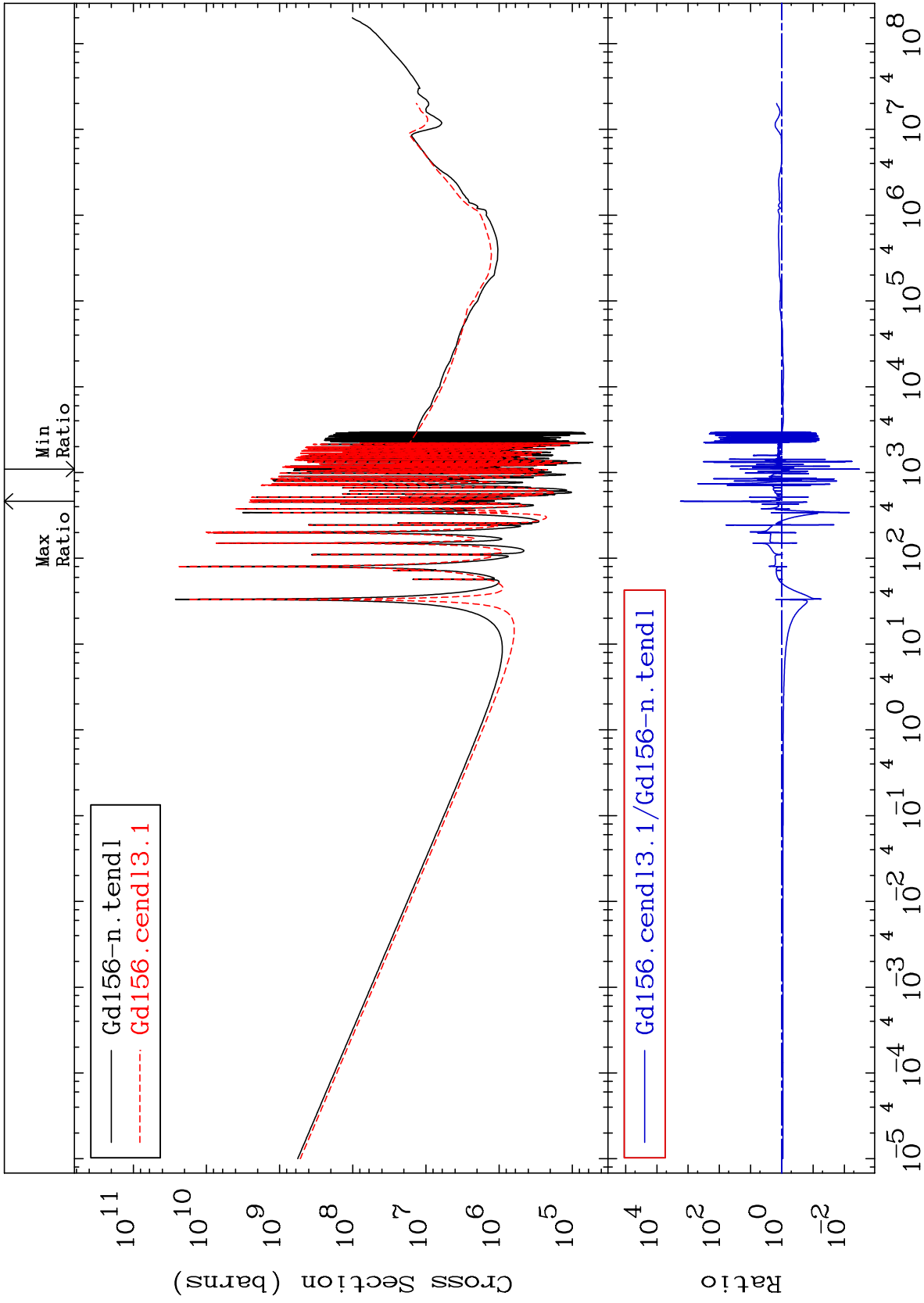
He-4 Production
Cross Section

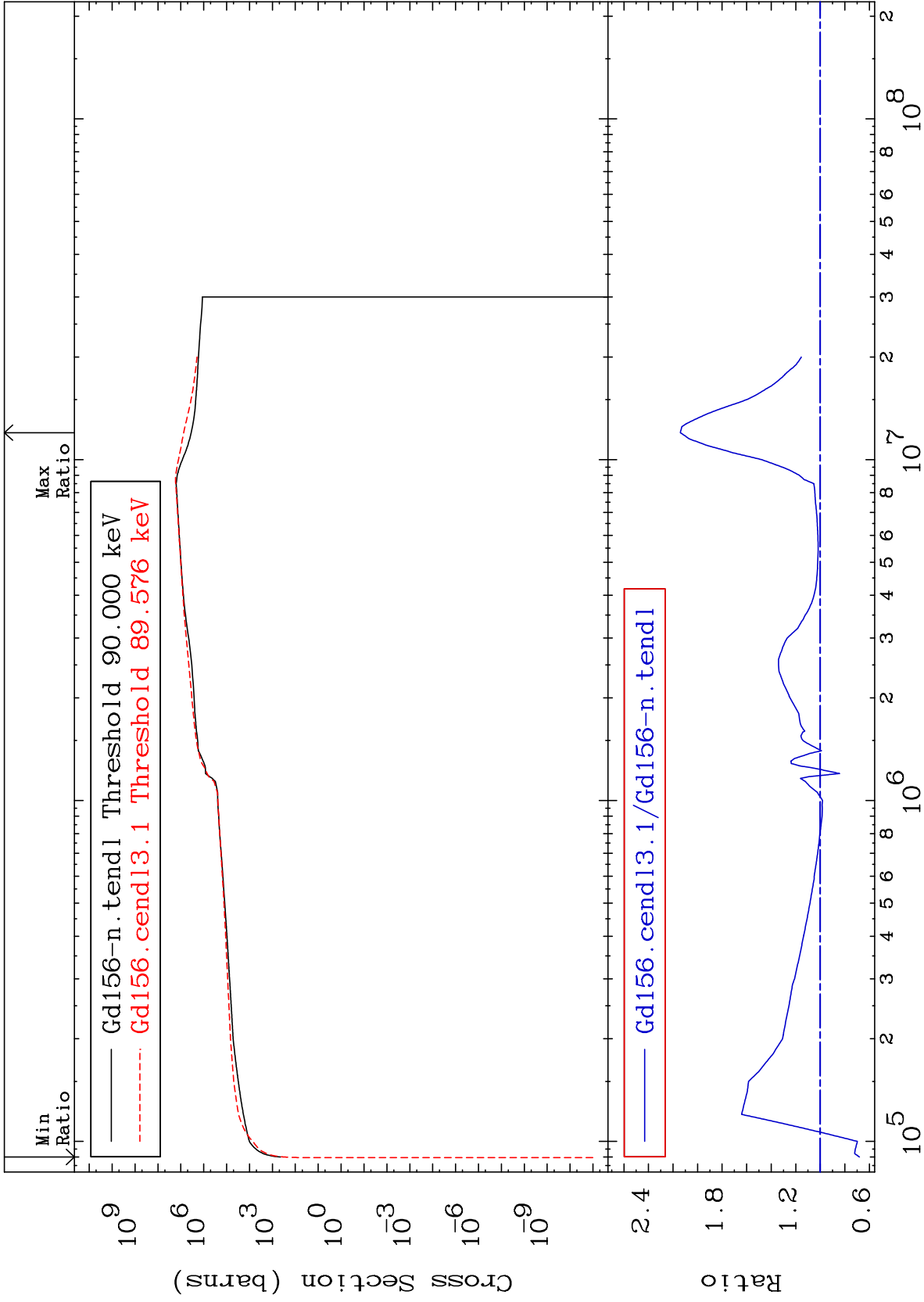
64-Gd-156
-96.22 To 13.61 %







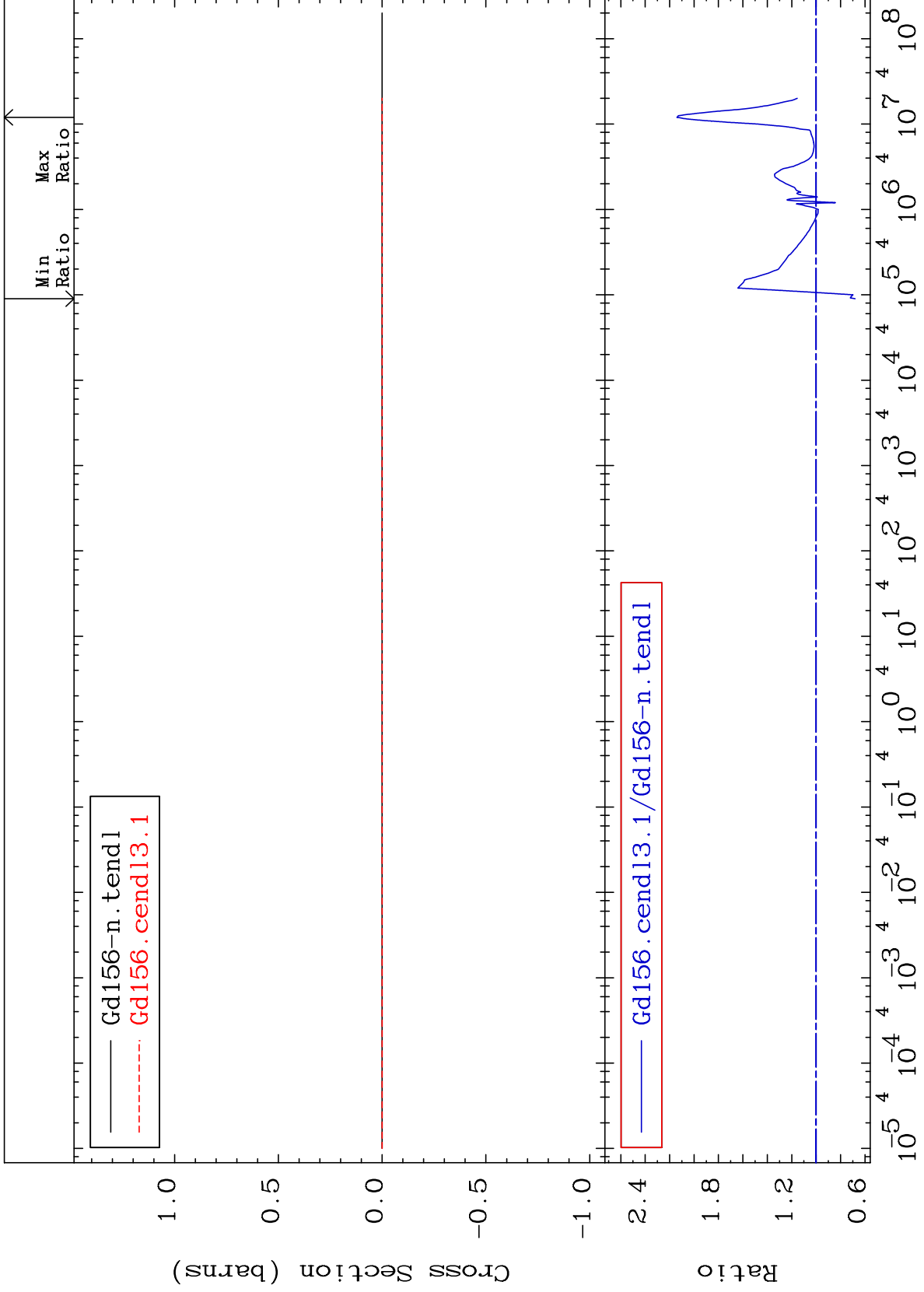


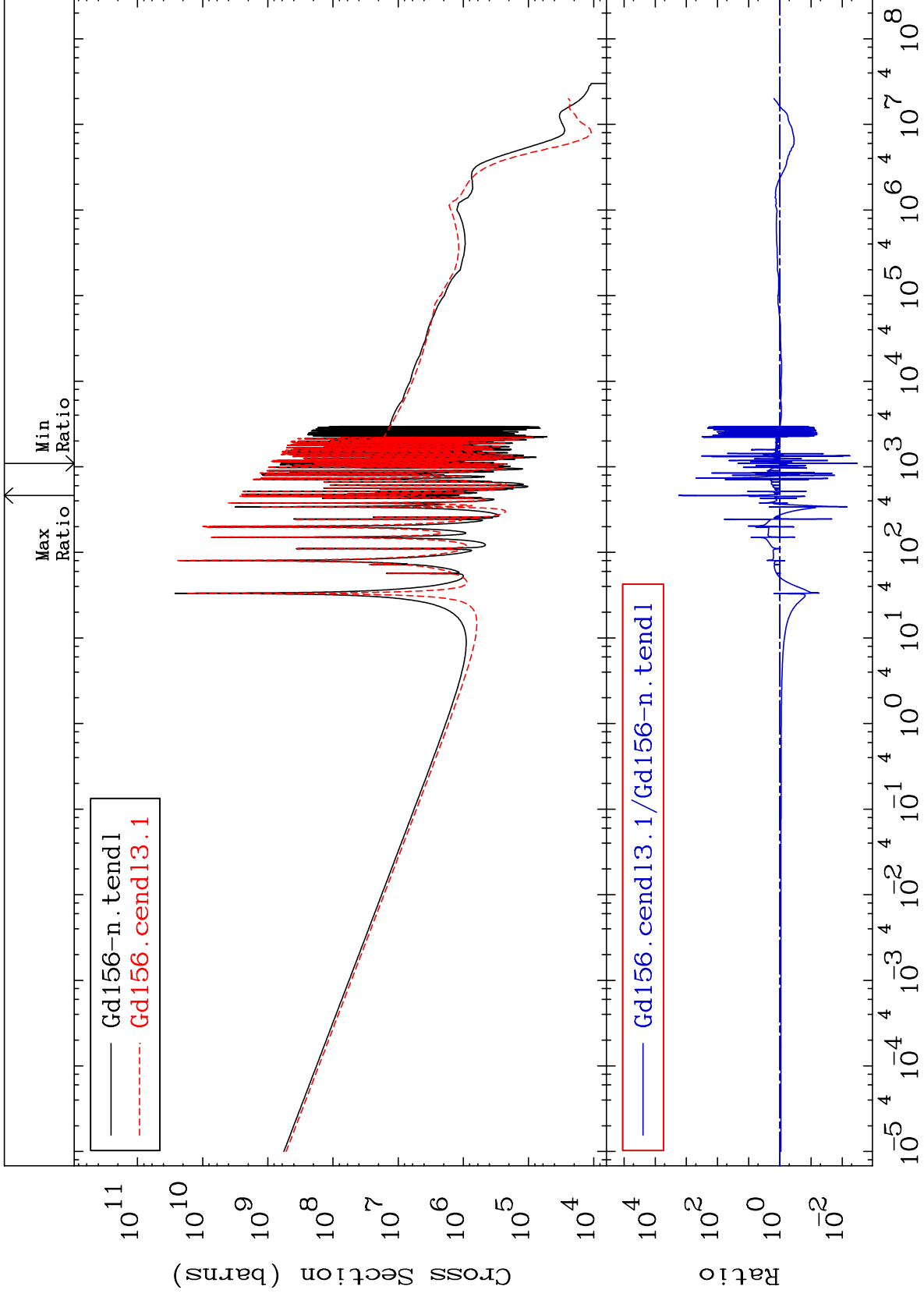


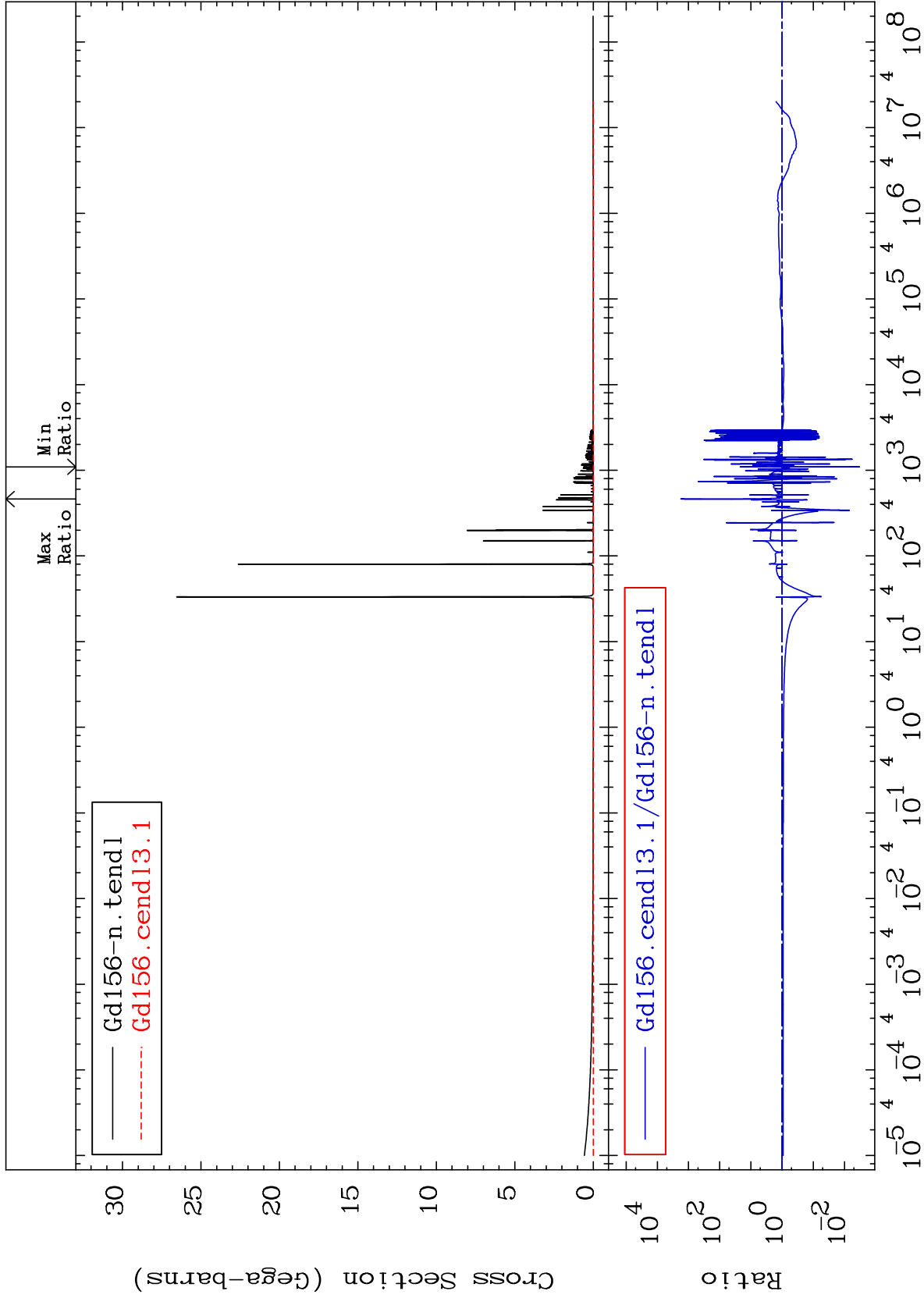
MAT 6437

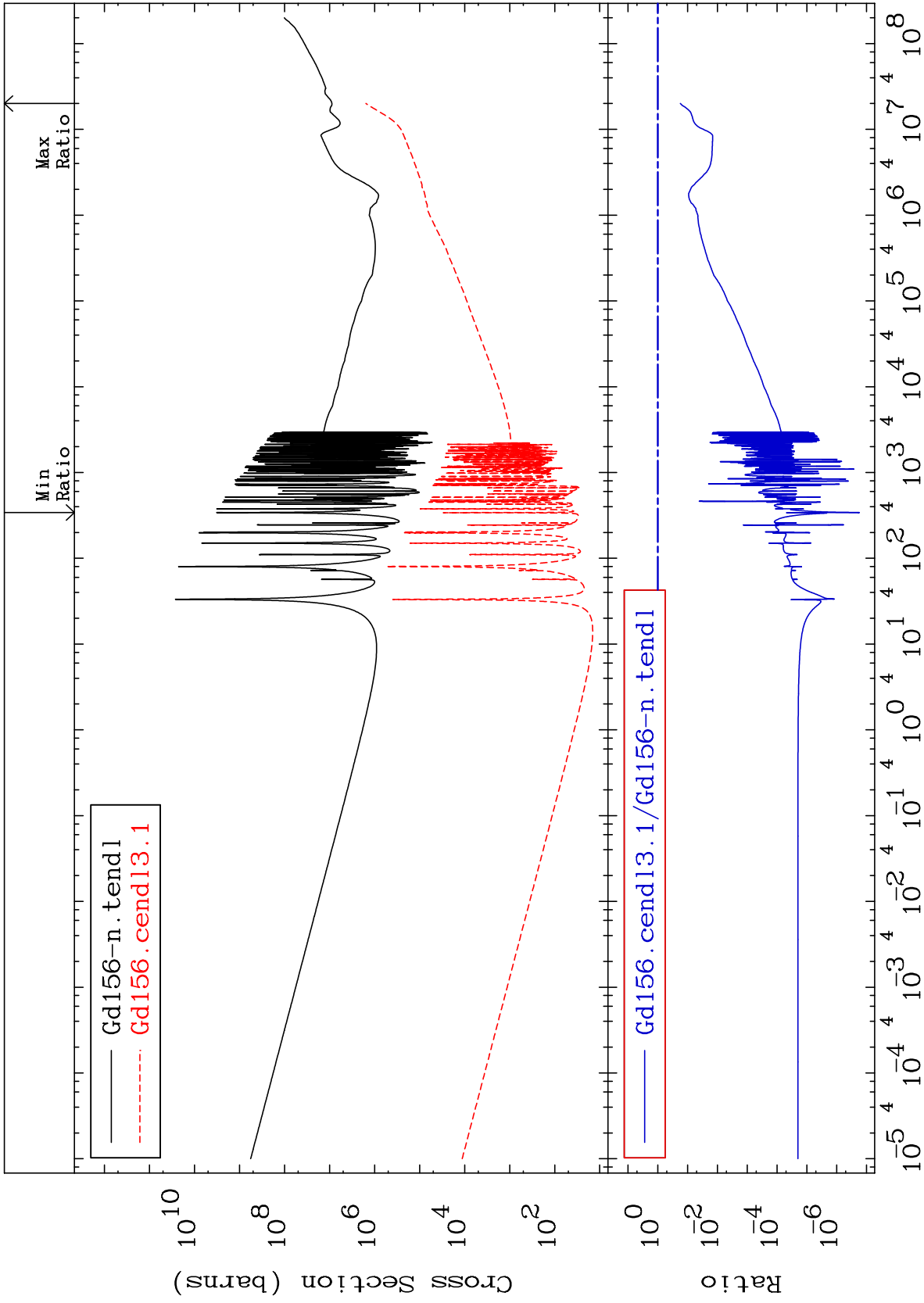
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

64-Gd-156
-31.91 To 114.0 %





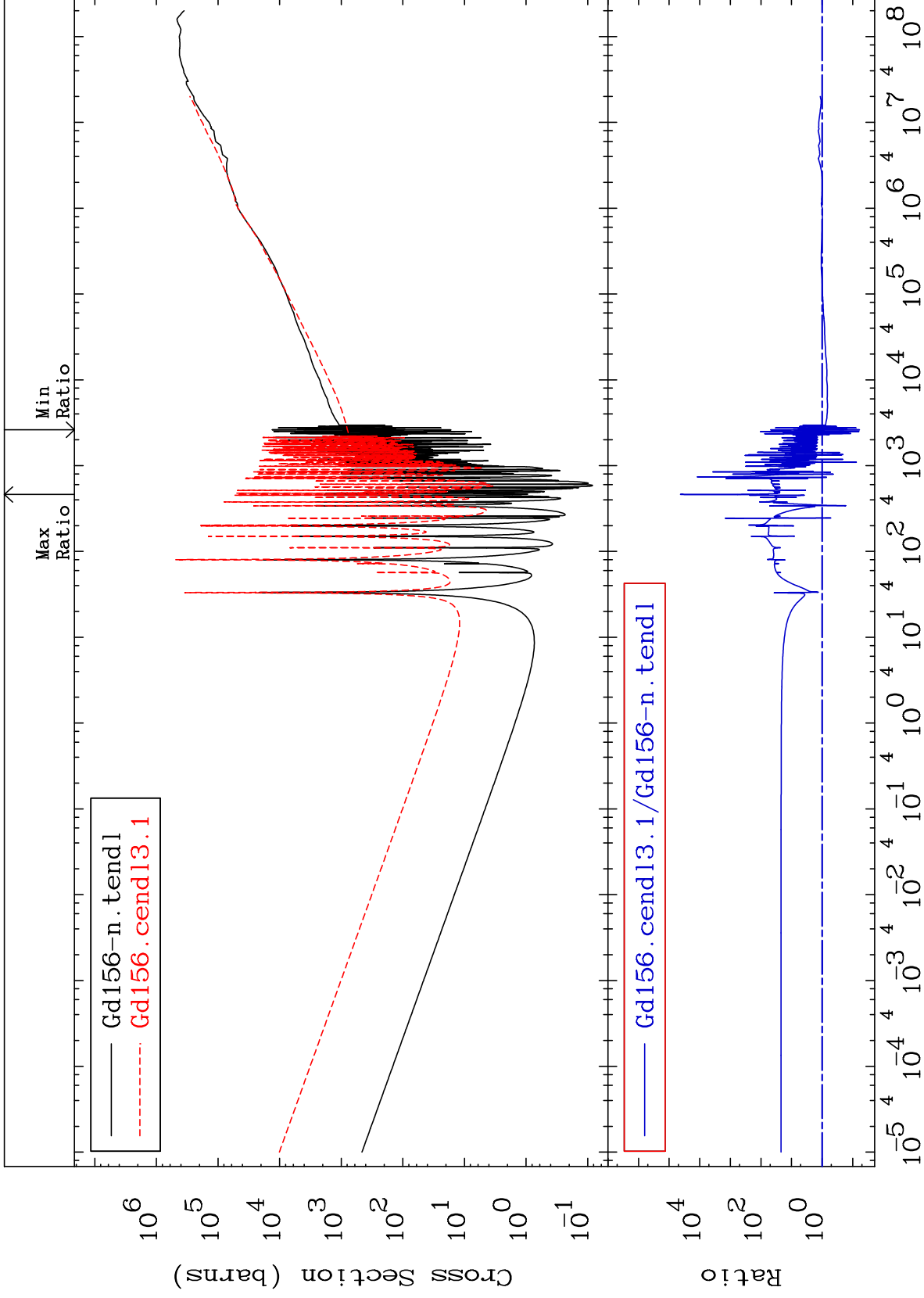




MAT 6437

Dpa total (eV-barns)
Cross Section

64-Gd-156
-93.97 To 9999. %



40

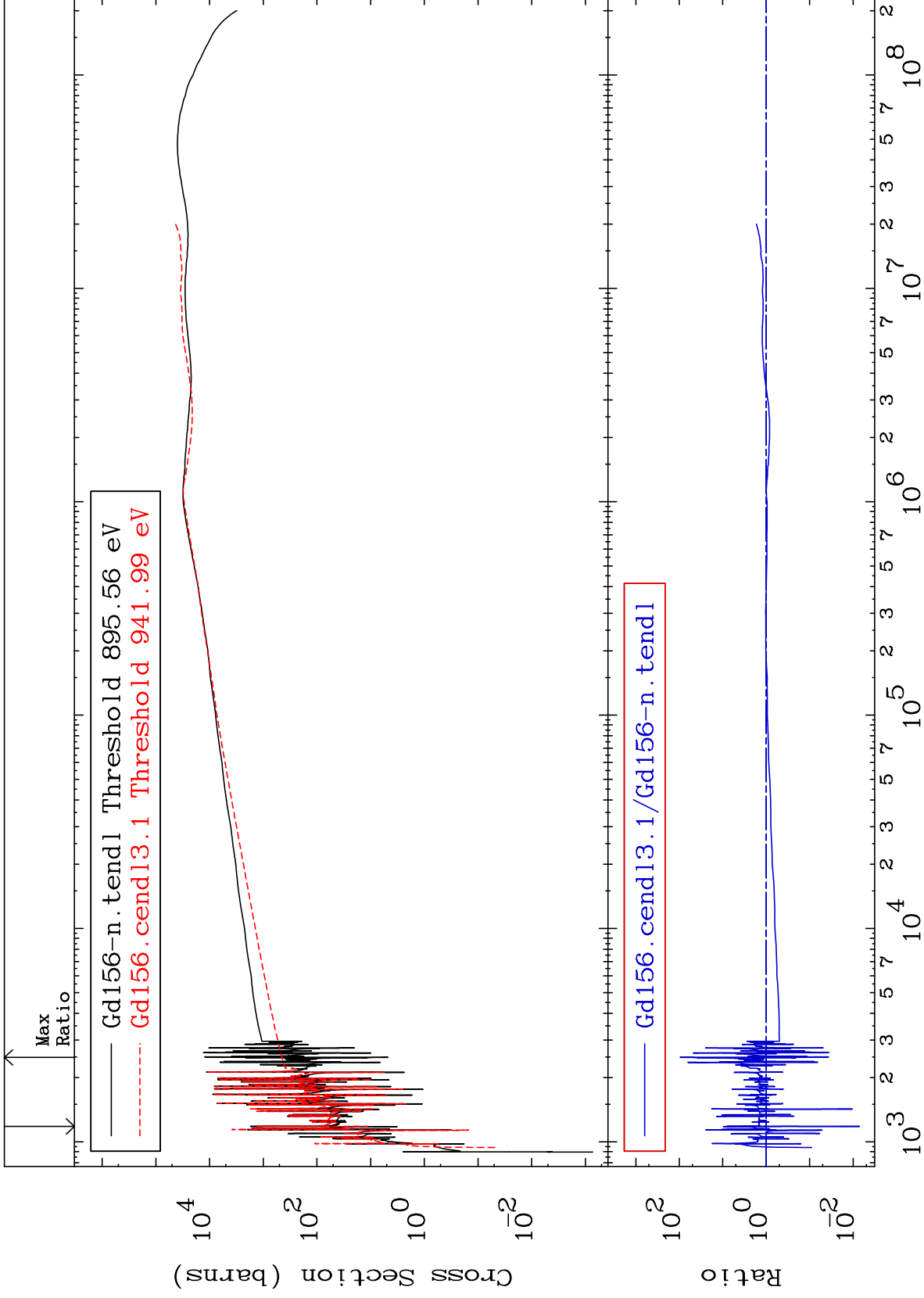
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-99.28 To 9337. %



41

Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)
Cross Section

64-Gd-156
-36.52 To 112.6 %

