

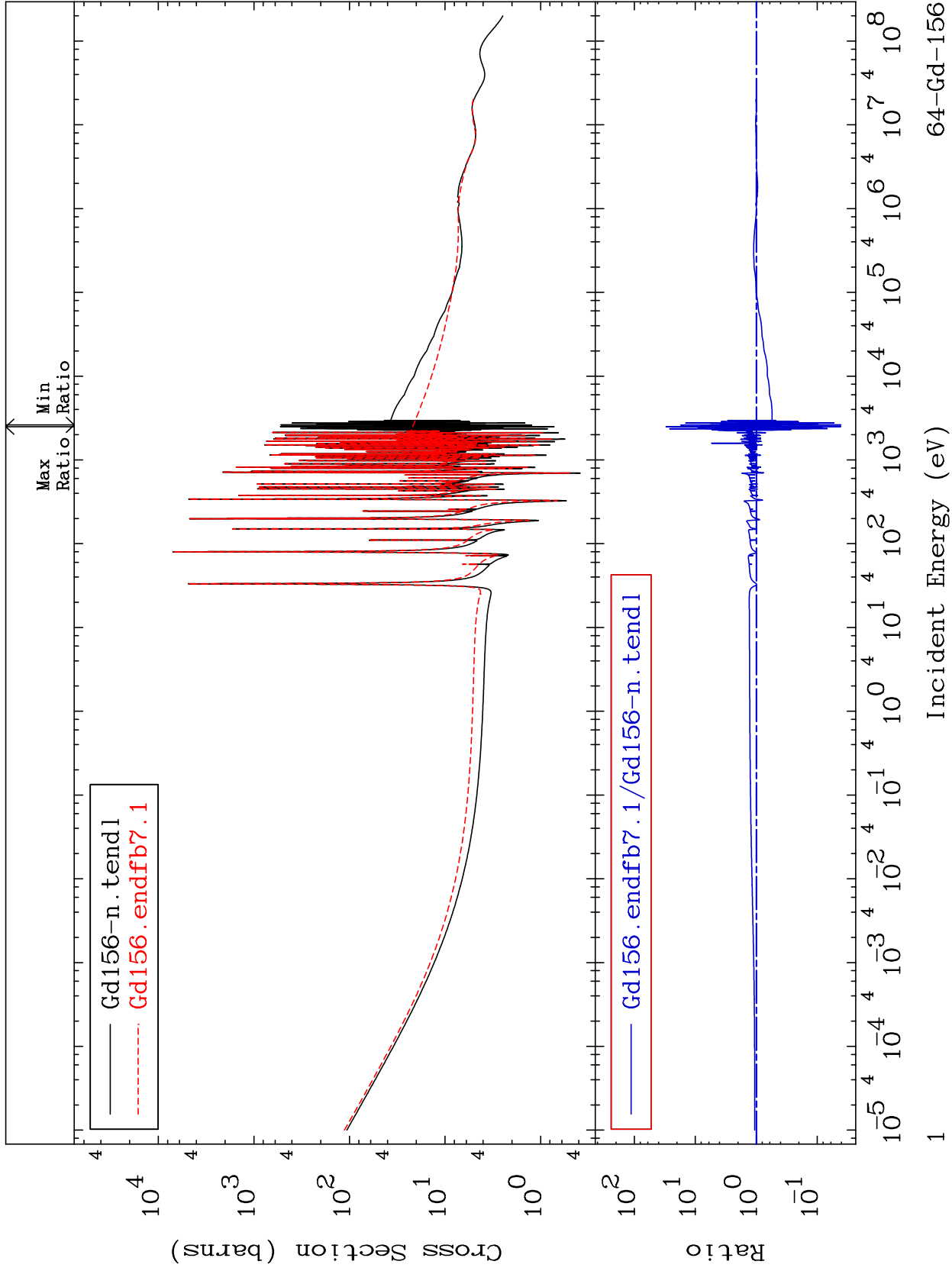
MAT 6437

Total

64-Gd-156

Cross Section

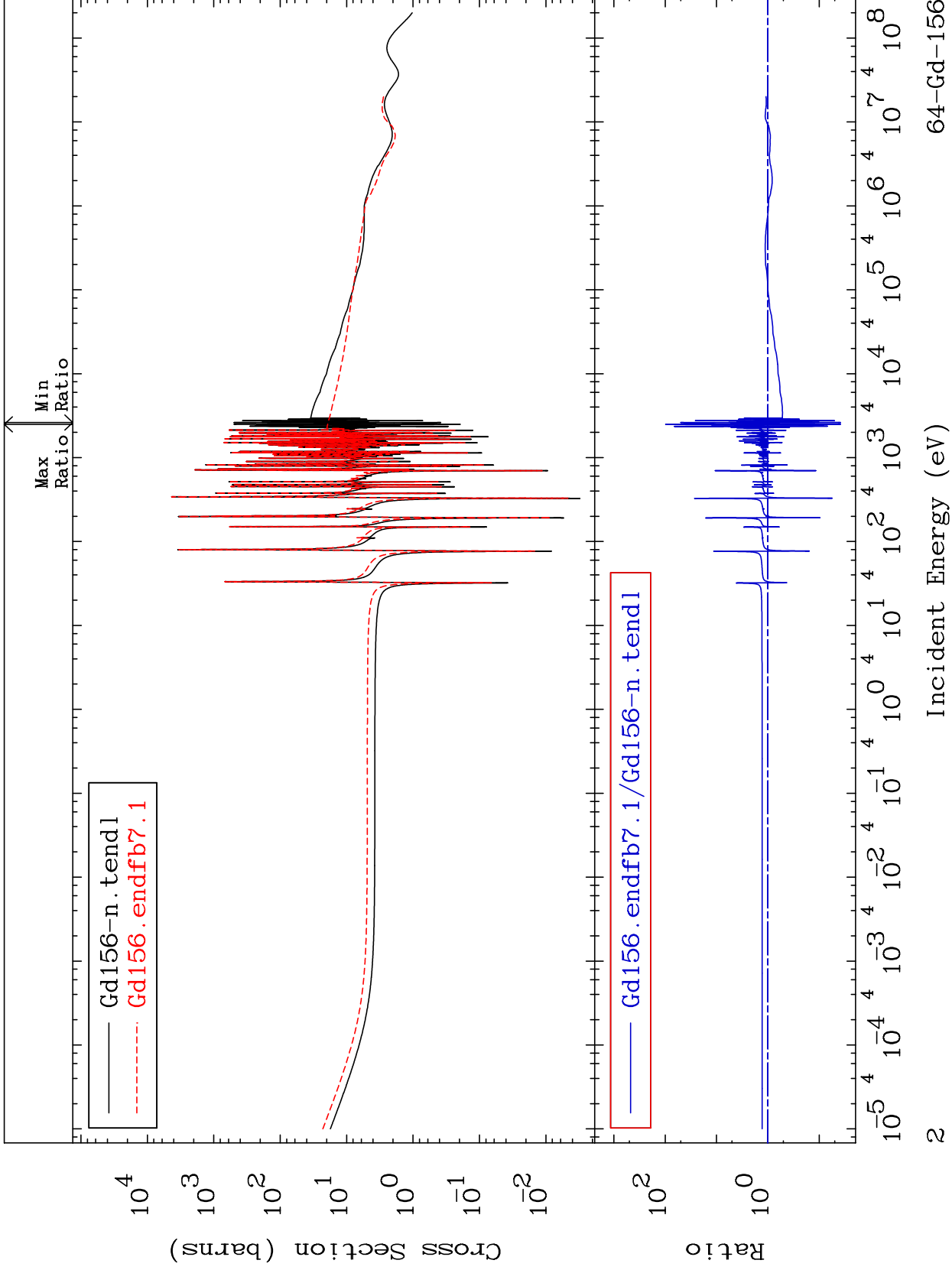
-95.90 To 2925. %



MAT 6437

Elastic
Cross Section

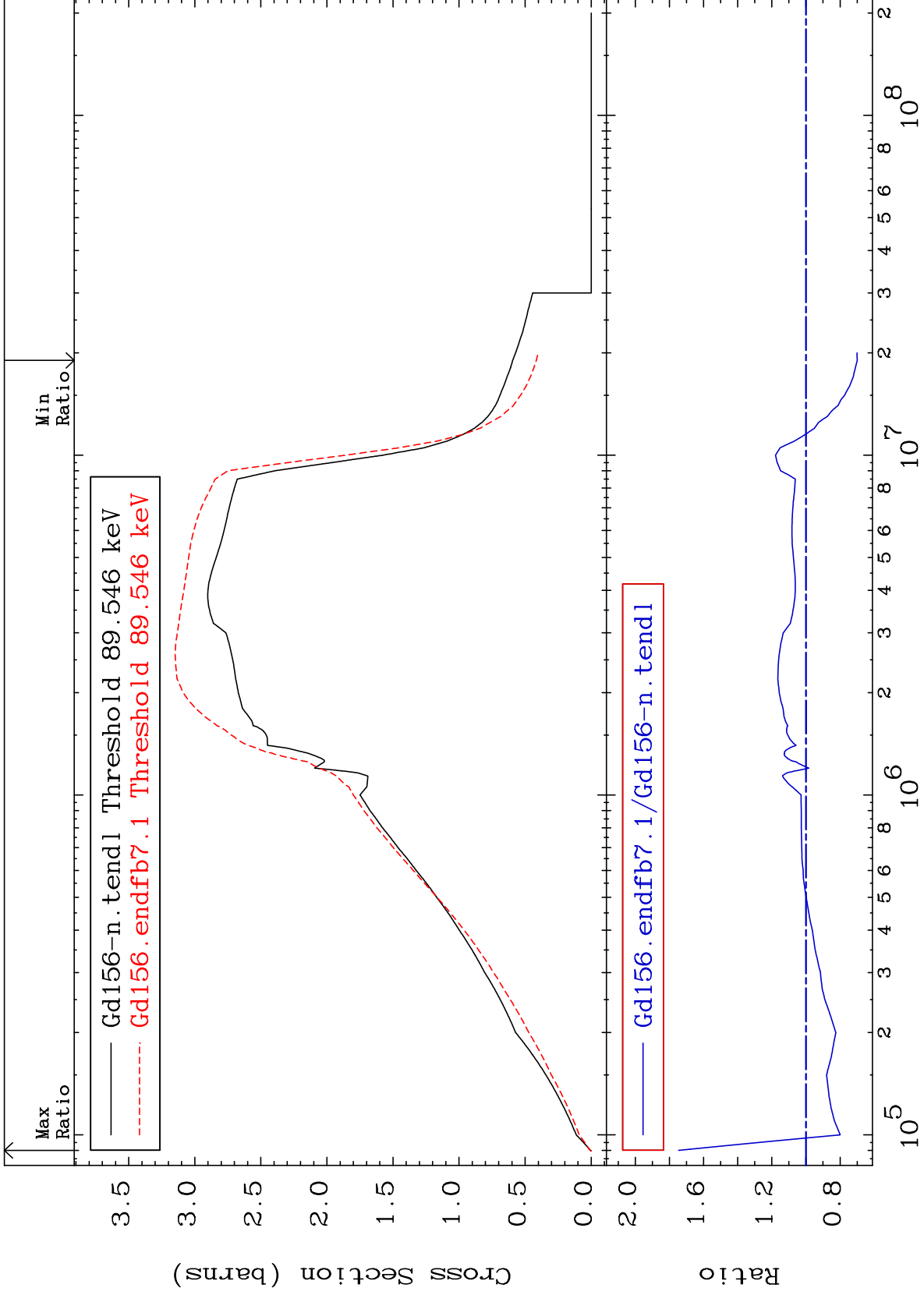
64-Gd-156
-96.18 To 9770. %



MAT 6437

Inelastic
Cross Section

64-Gd-156
-30.06 To 74.62 %



3

Incident Energy (eV)

64-Gd-156

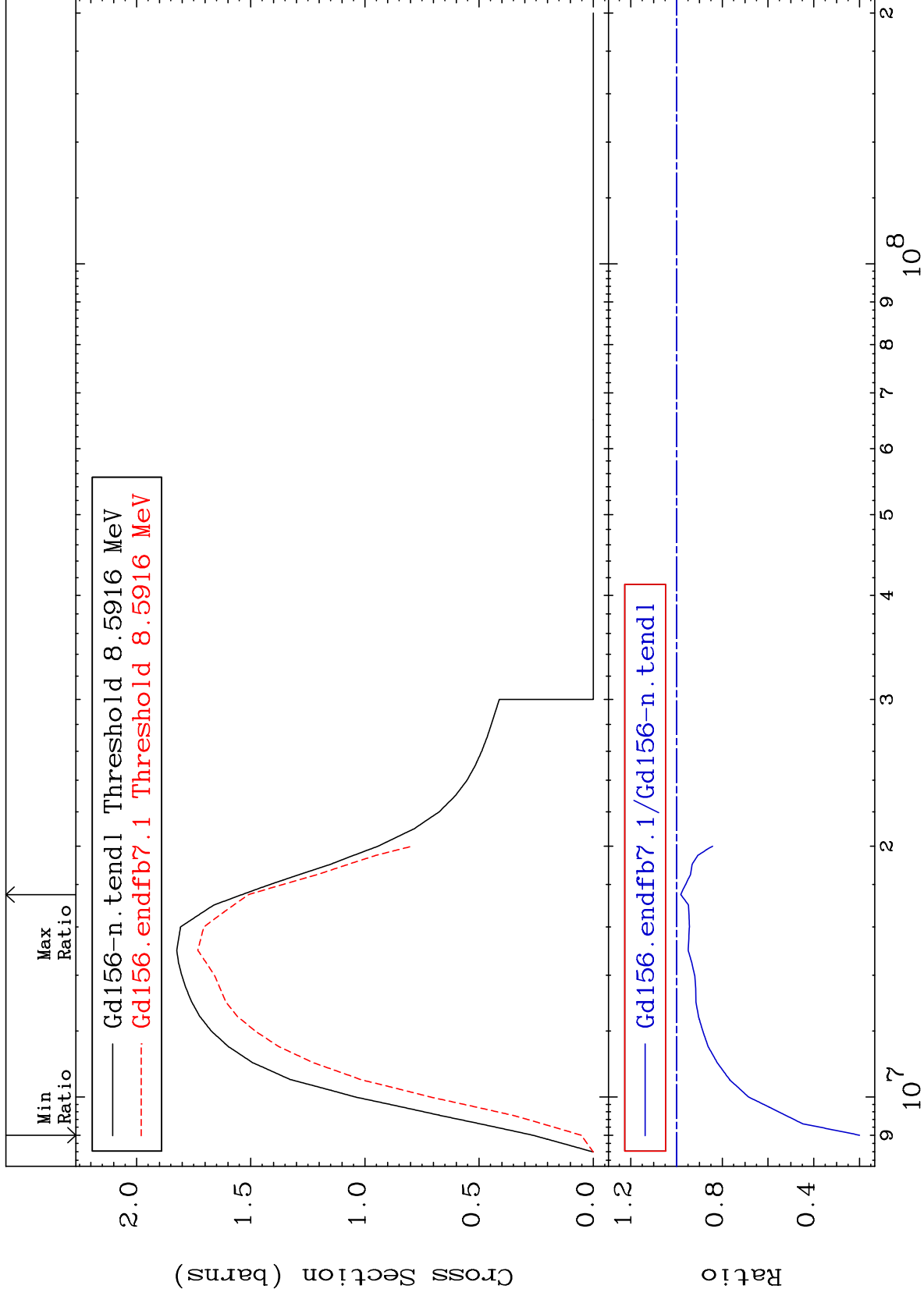
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-80.04 To -1.851%



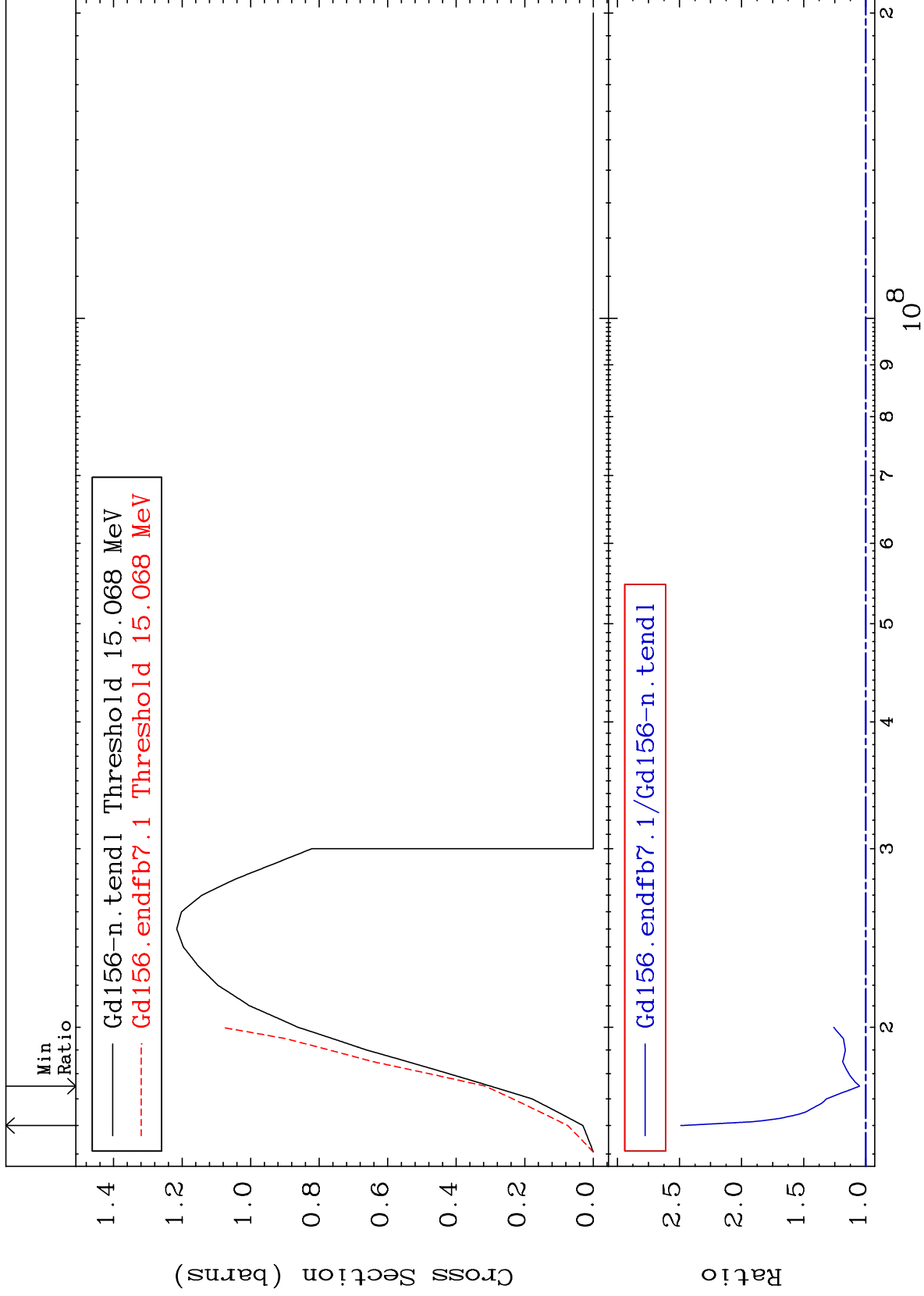
64-Gd-156

4

Cross Section

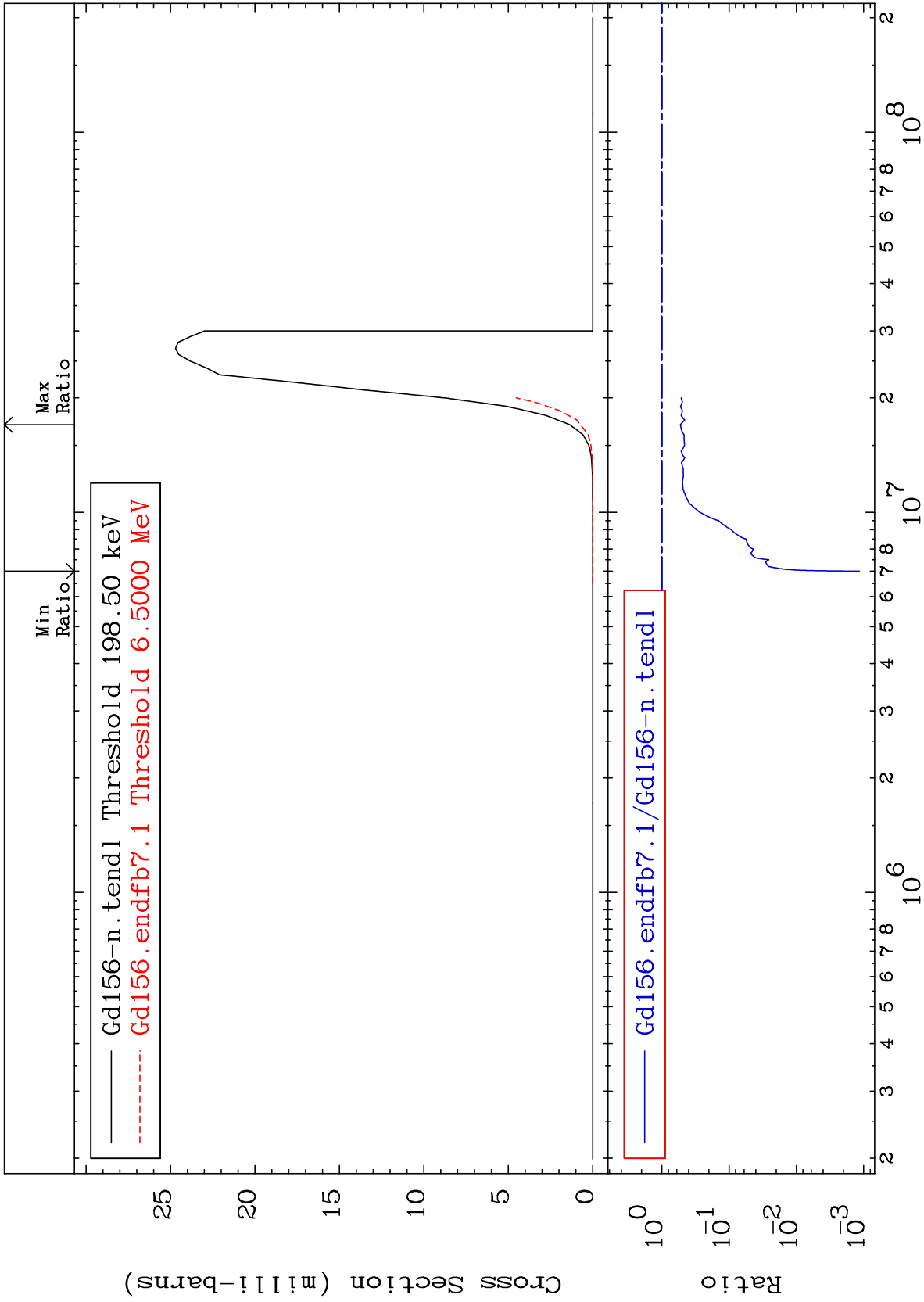
5.046

To 149.0 %



Cross Section

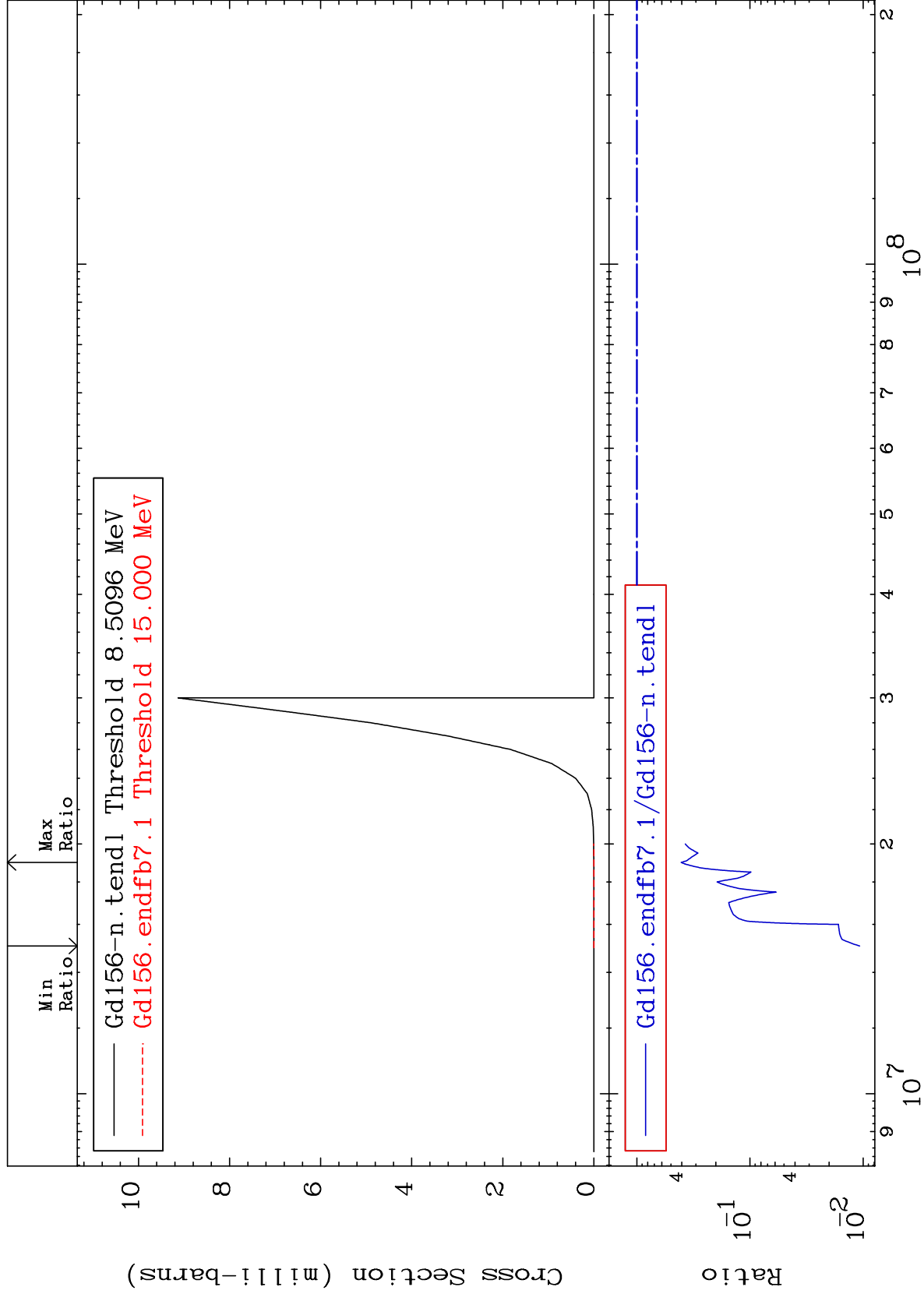
-99.88 To -46.95%



MAT 6437

(n,2n) α
Cross Section

64-Gd-156
-98.93 To -59.47%



7

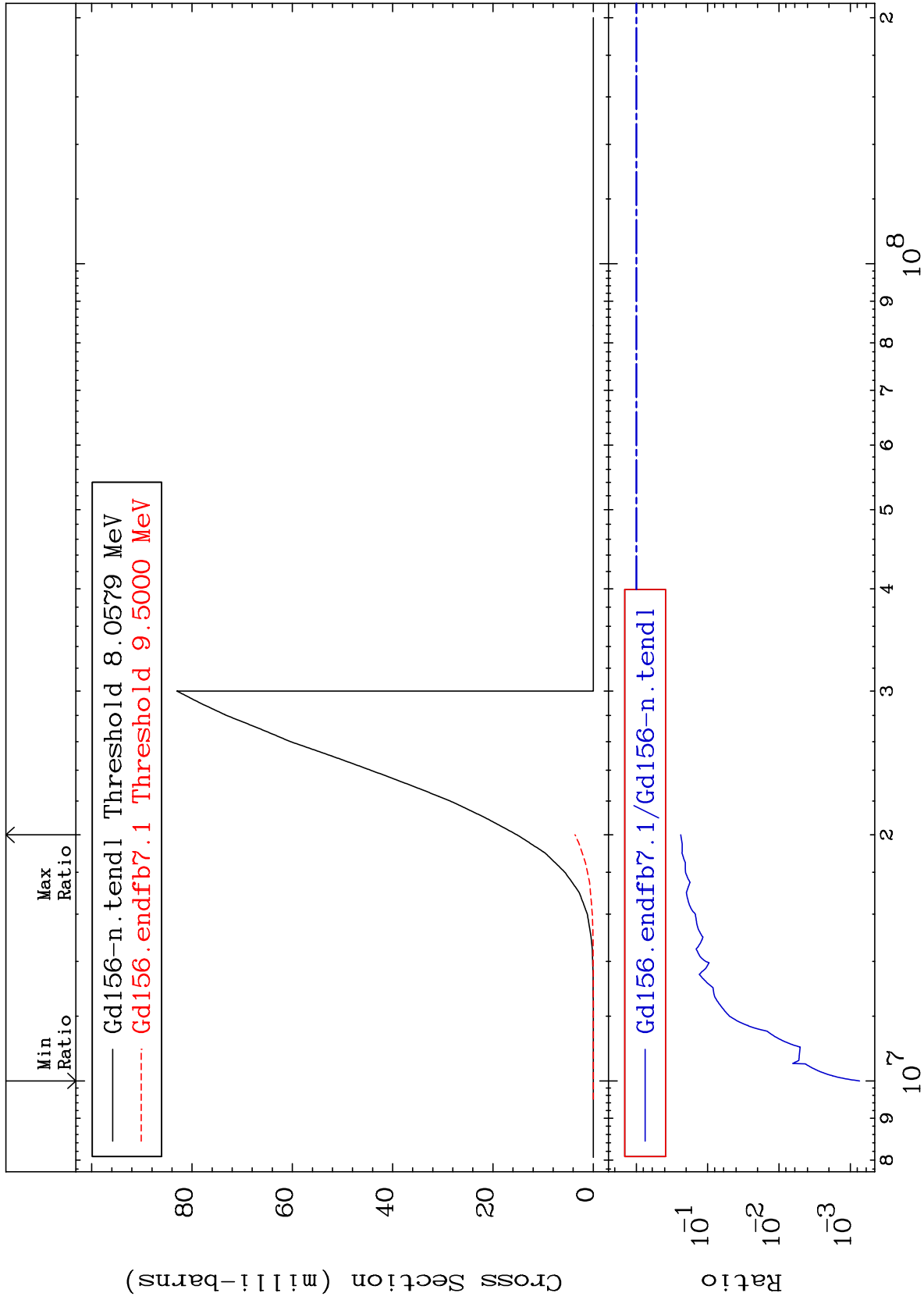
Incident Energy (eV)

64-Gd-156

MAT 6437

(n, n') p
Cross Section

64-Gd-156
-99.93 To -76.18%



8

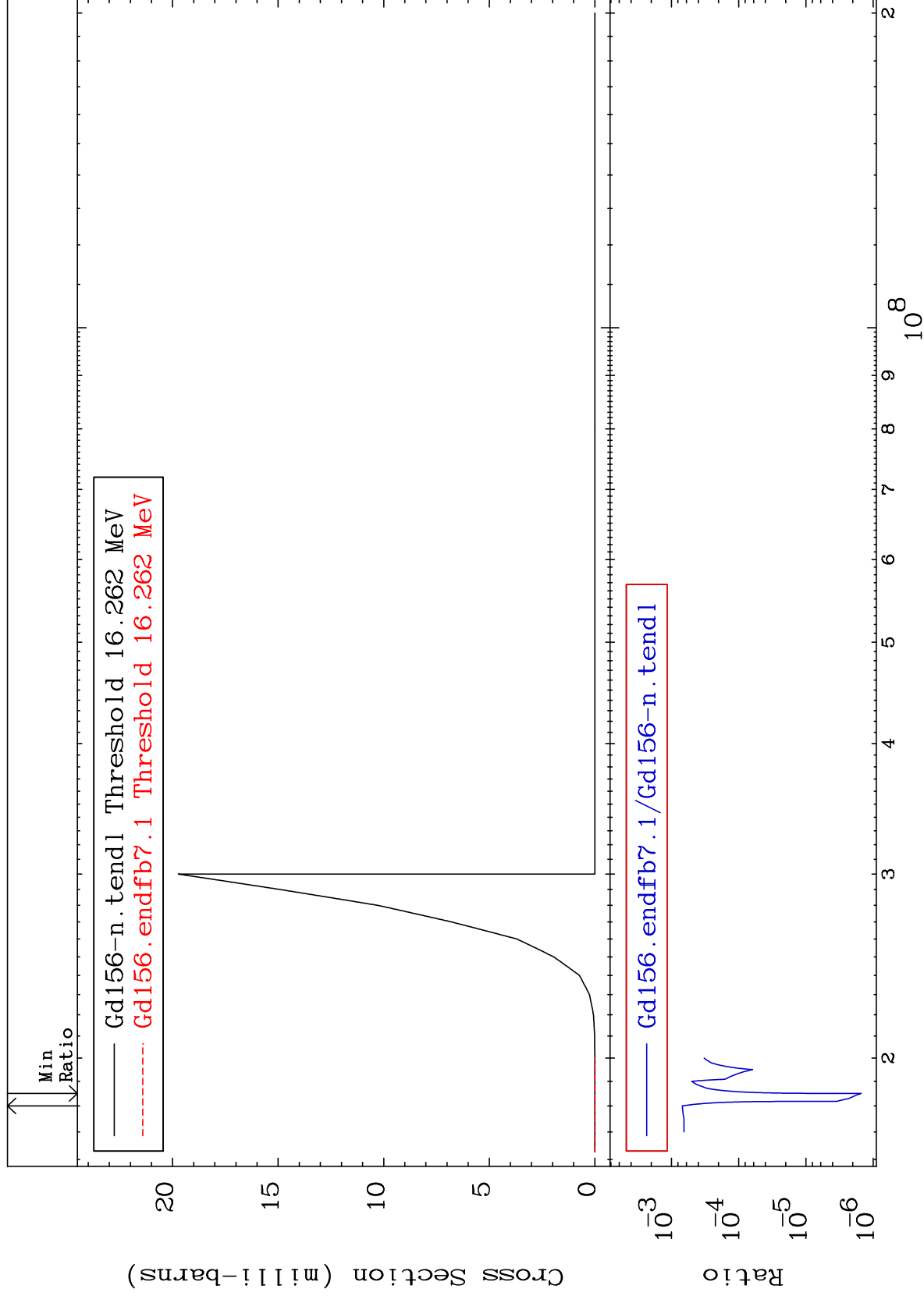
Incident Energy (eV)

64-Gd-156

MAT 6437

(n,2n) p
Cross Section

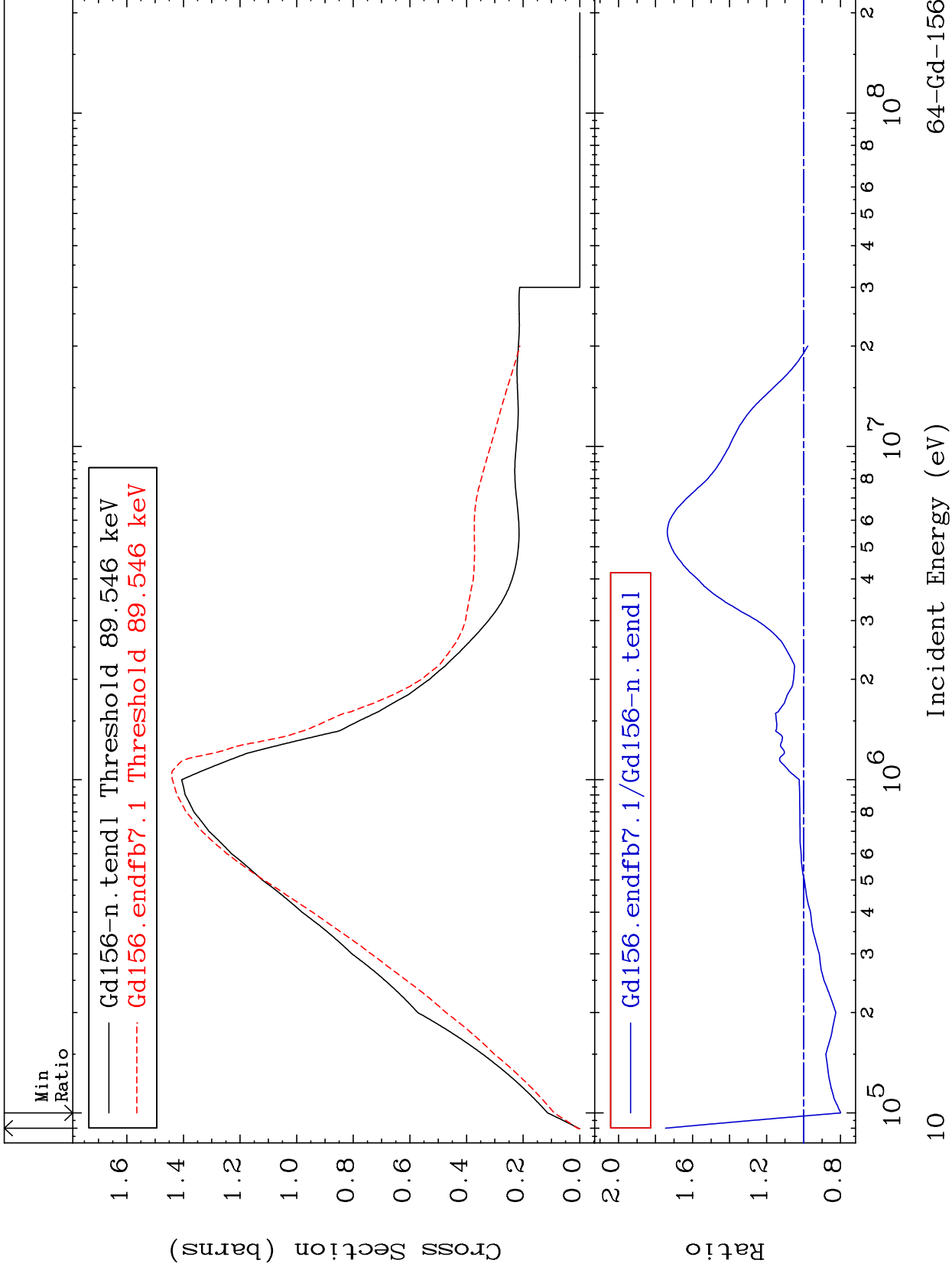
64-Gd-156
-100.0 To -99.93%



MAT 6437

88.97 keV (n,n') Level
Cross Section

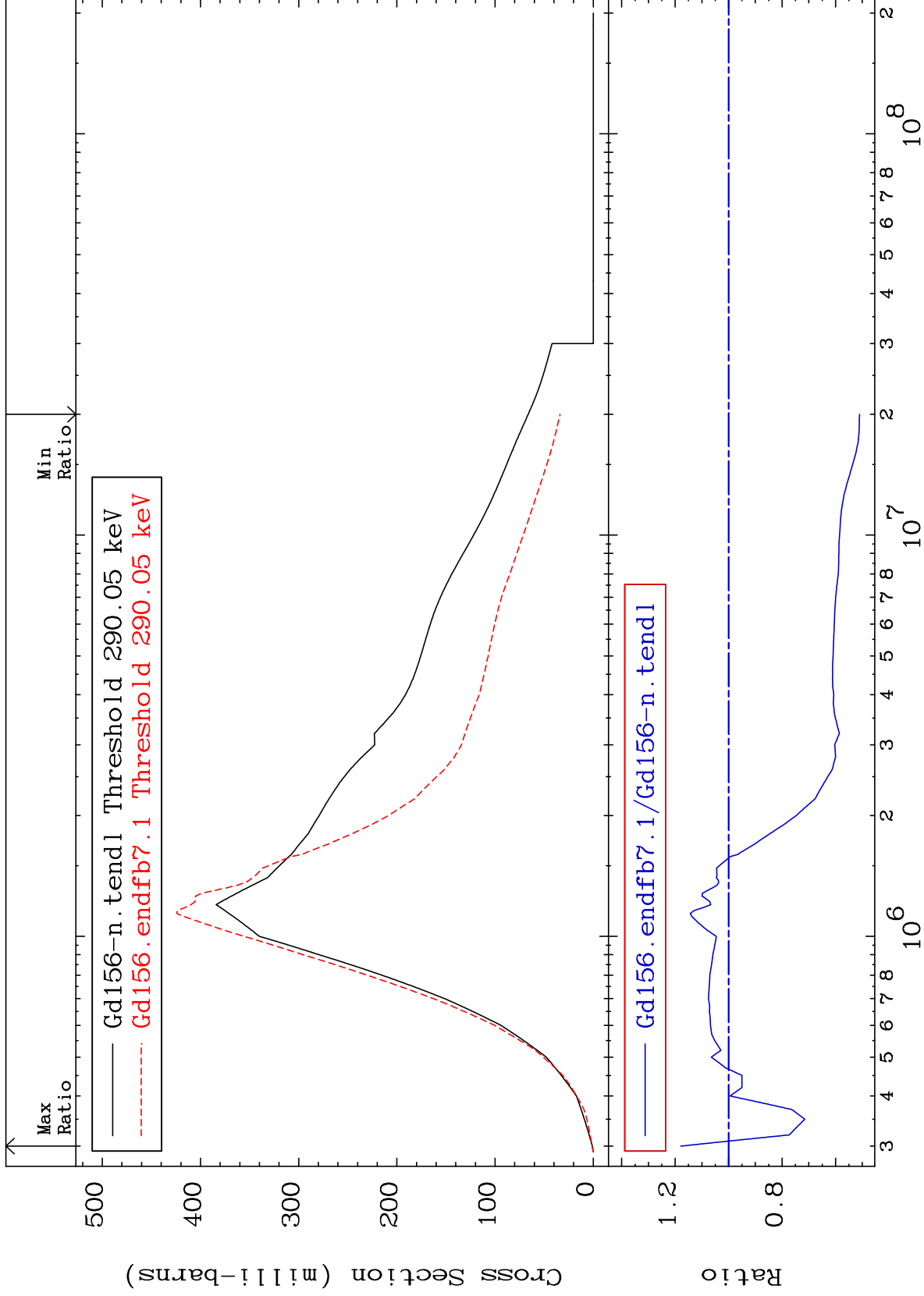
64-Gd-156
-20.07 To 74.62 %



MAT 6437

288.2 keV (n,n') Level
Cross Section

64-Gd-156
-48.98 To 17.90 %



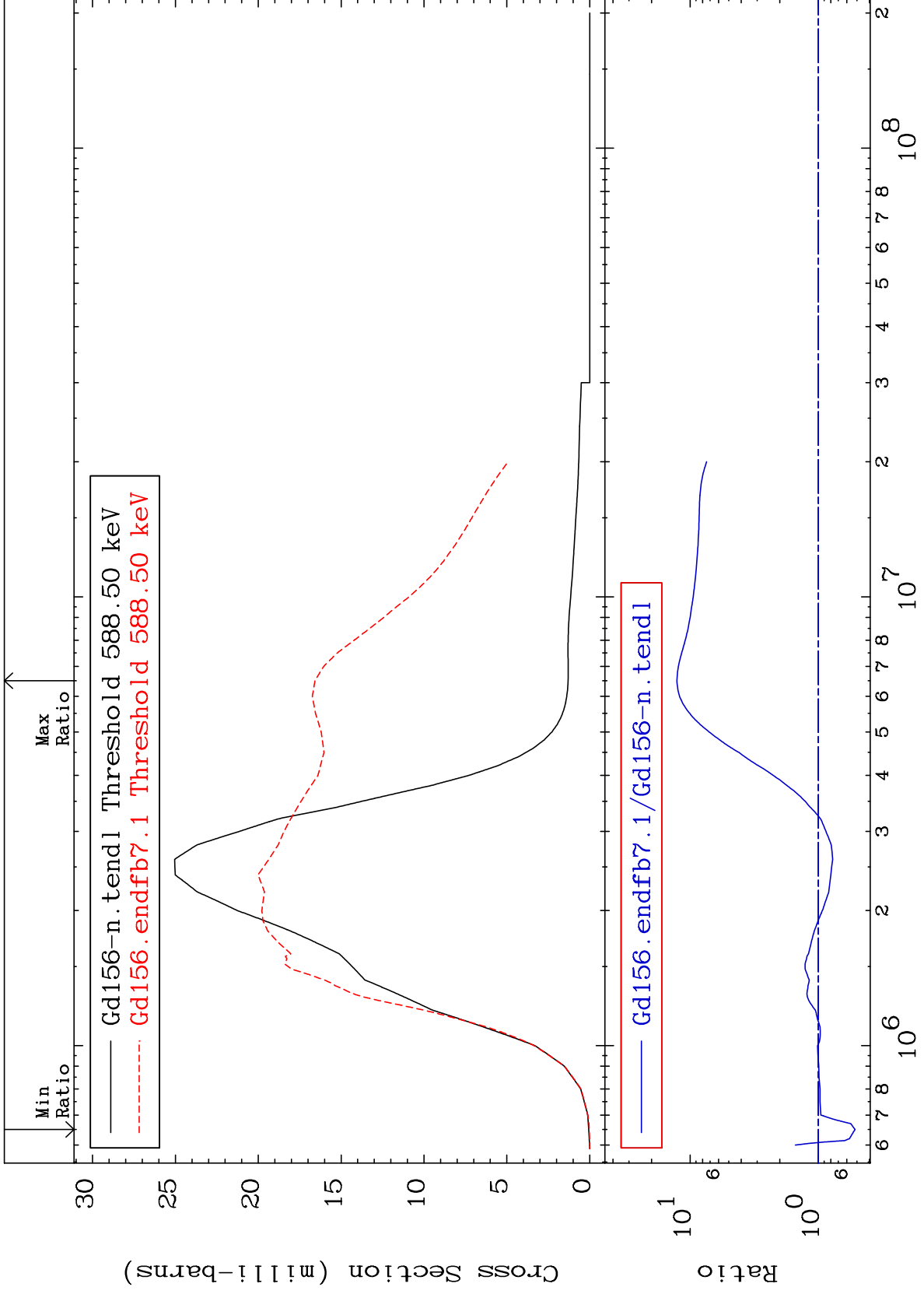
11

64-Gd-156

MAT 6437

584.7 keV (n,n') Level
Cross Section

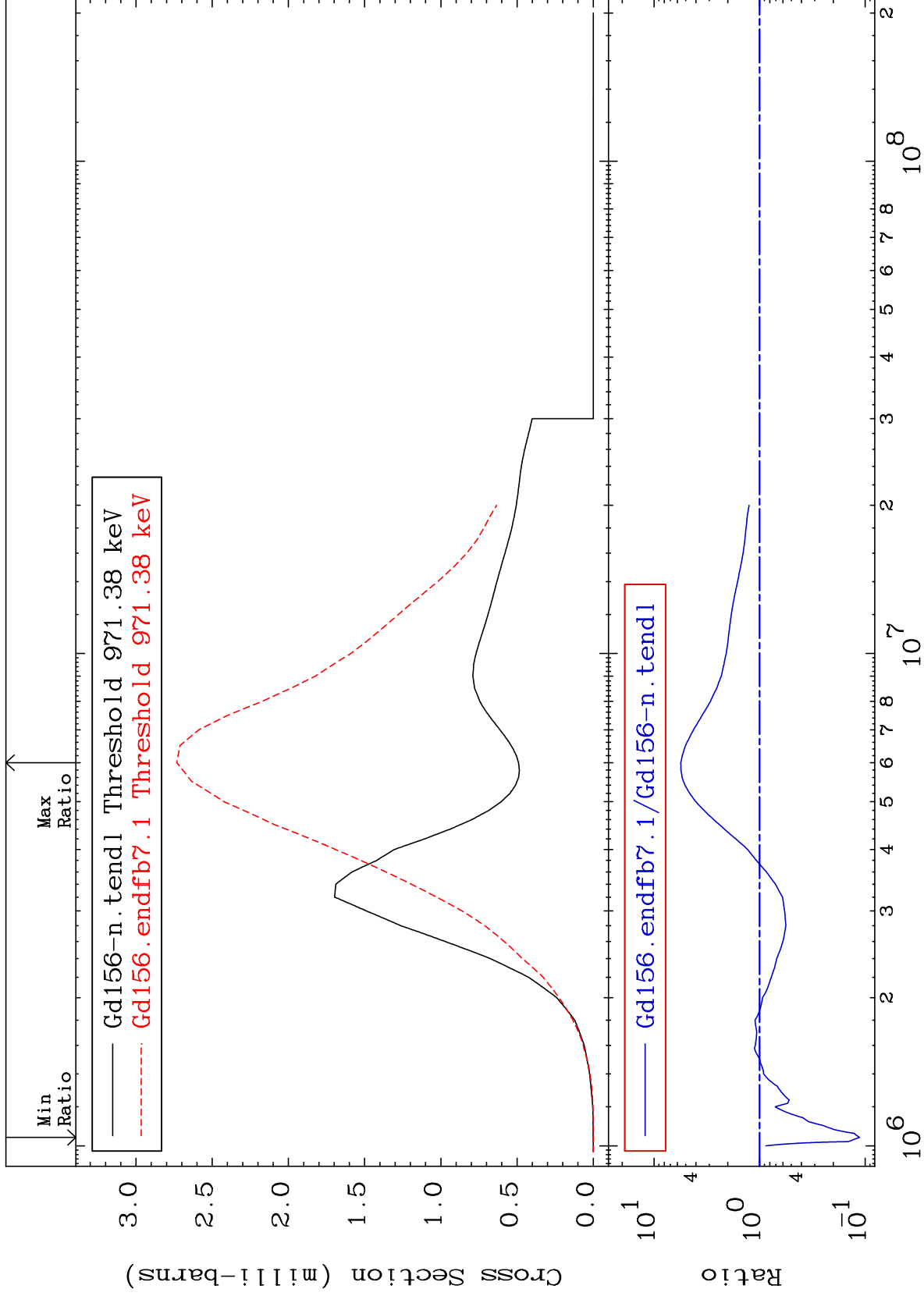
64-Gd-156
-48.30 To 1167. %



MAT 6437

965.1 keV (n,n') Level
Cross Section

64-Gd-156
-88.72 To 457.8 %



13

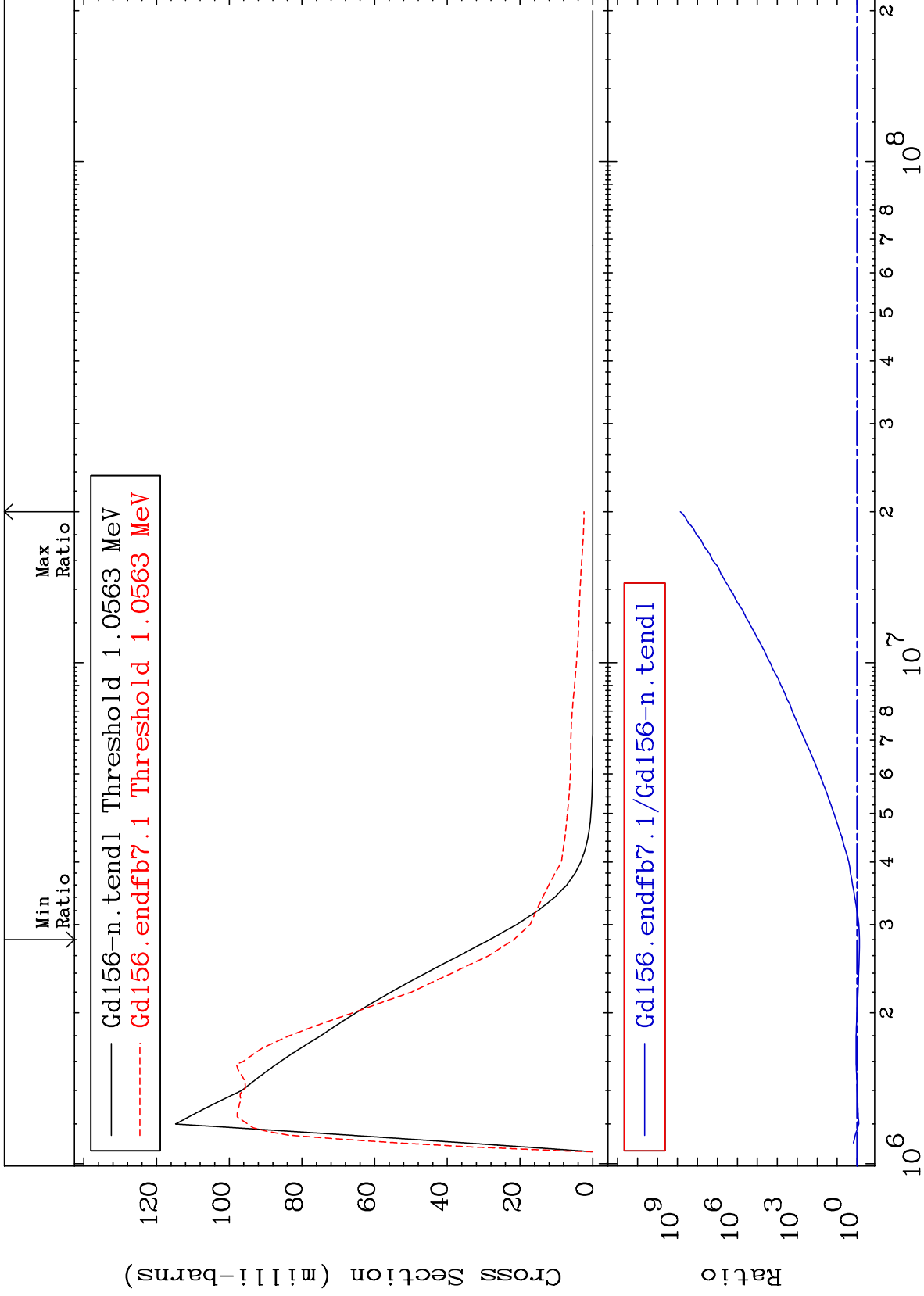
Incident Energy (eV)

64-Gd-156

MAT 6437

1.049 MeV (n,n') Level
Cross Section

64-Gd-156
-23.36 To 9999. %



14

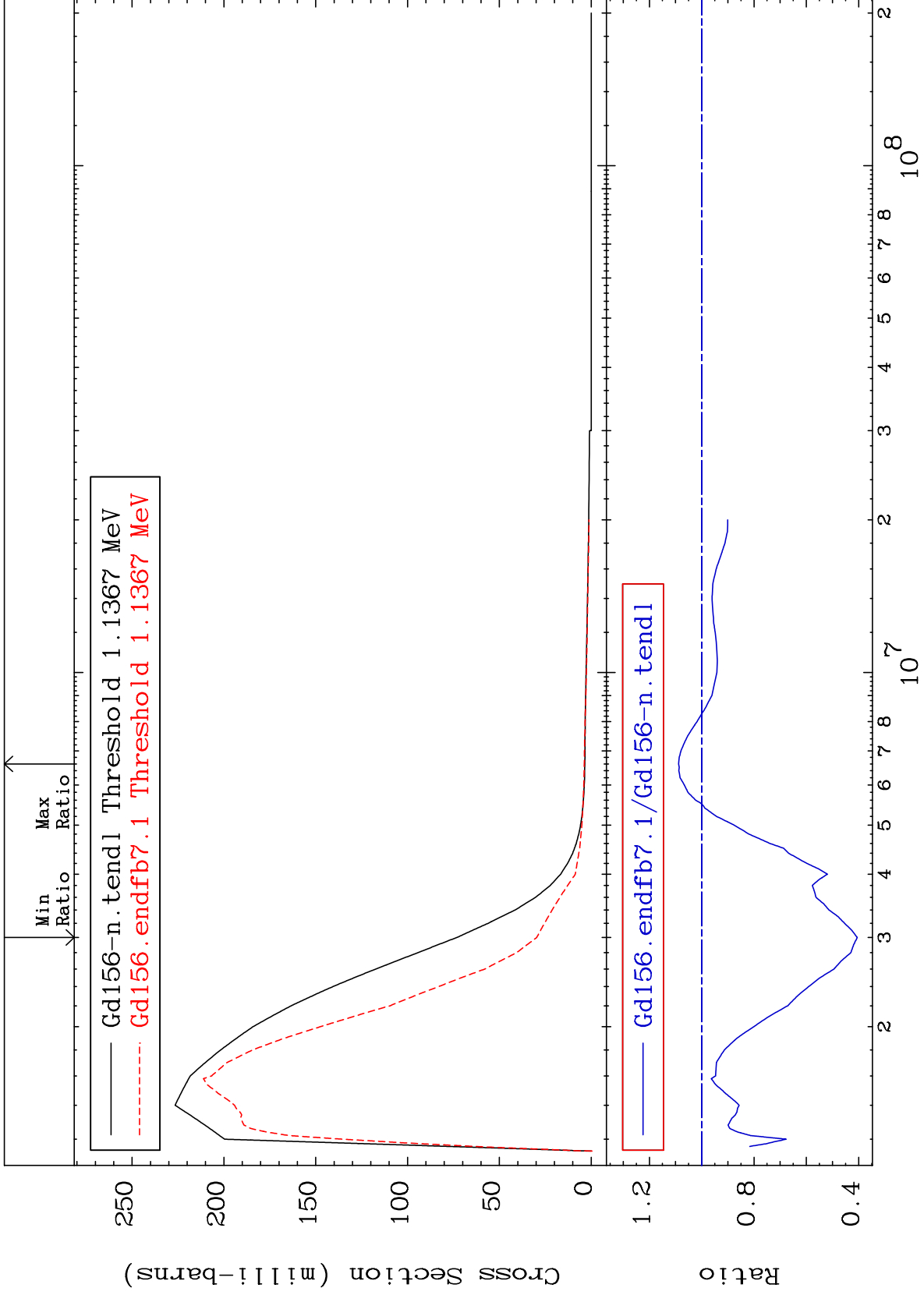
Incident Energy (eV)

64-Gd-156

MAT 6437

1.129 MeV (n,n') Level
Cross Section

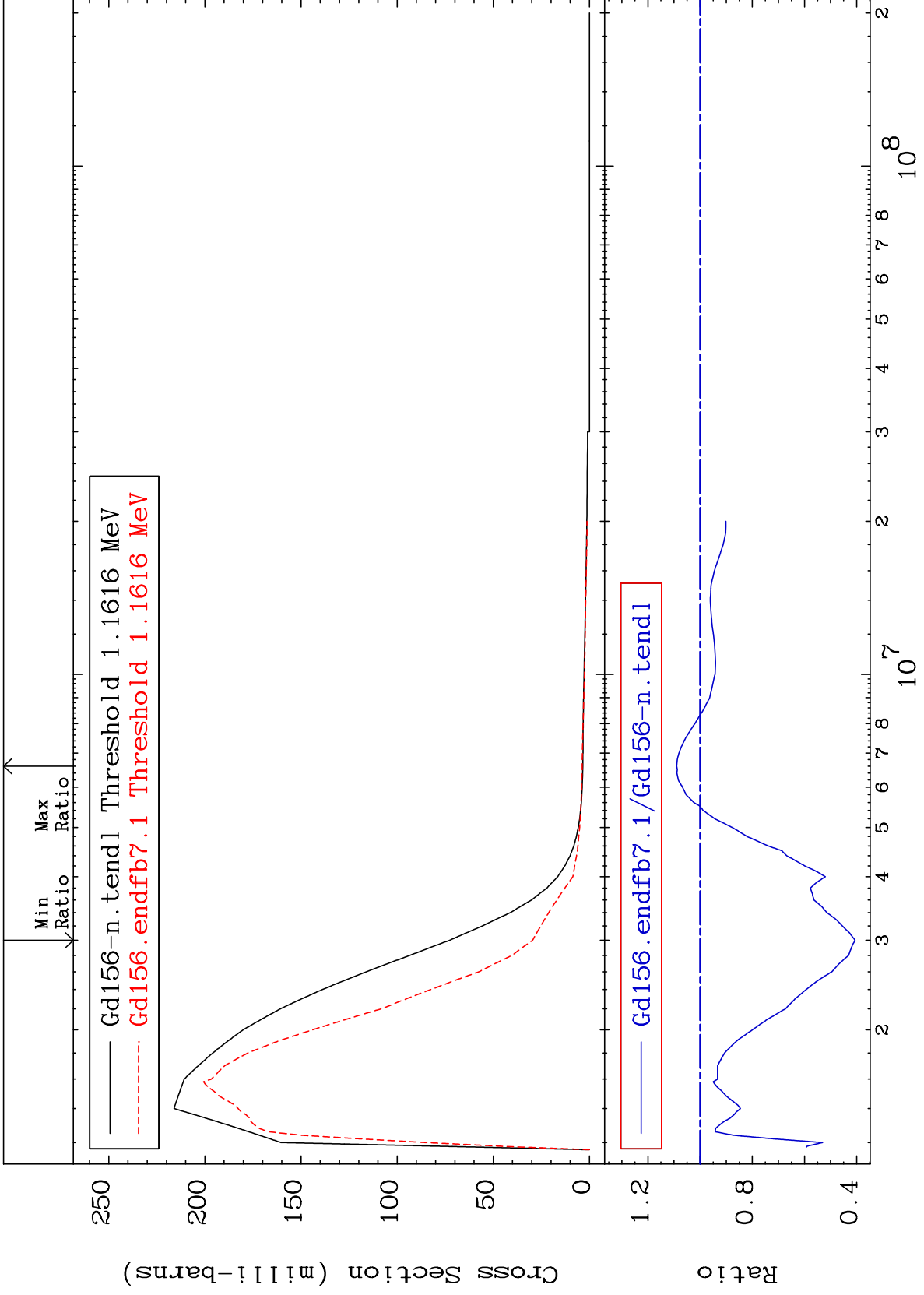
64-Gd-156
-59.47 To 8.812 %



MAT 6437

1.154 MeV (n,n') Level
Cross Section

64-Gd-156
-59.35 To 8.970 %



16

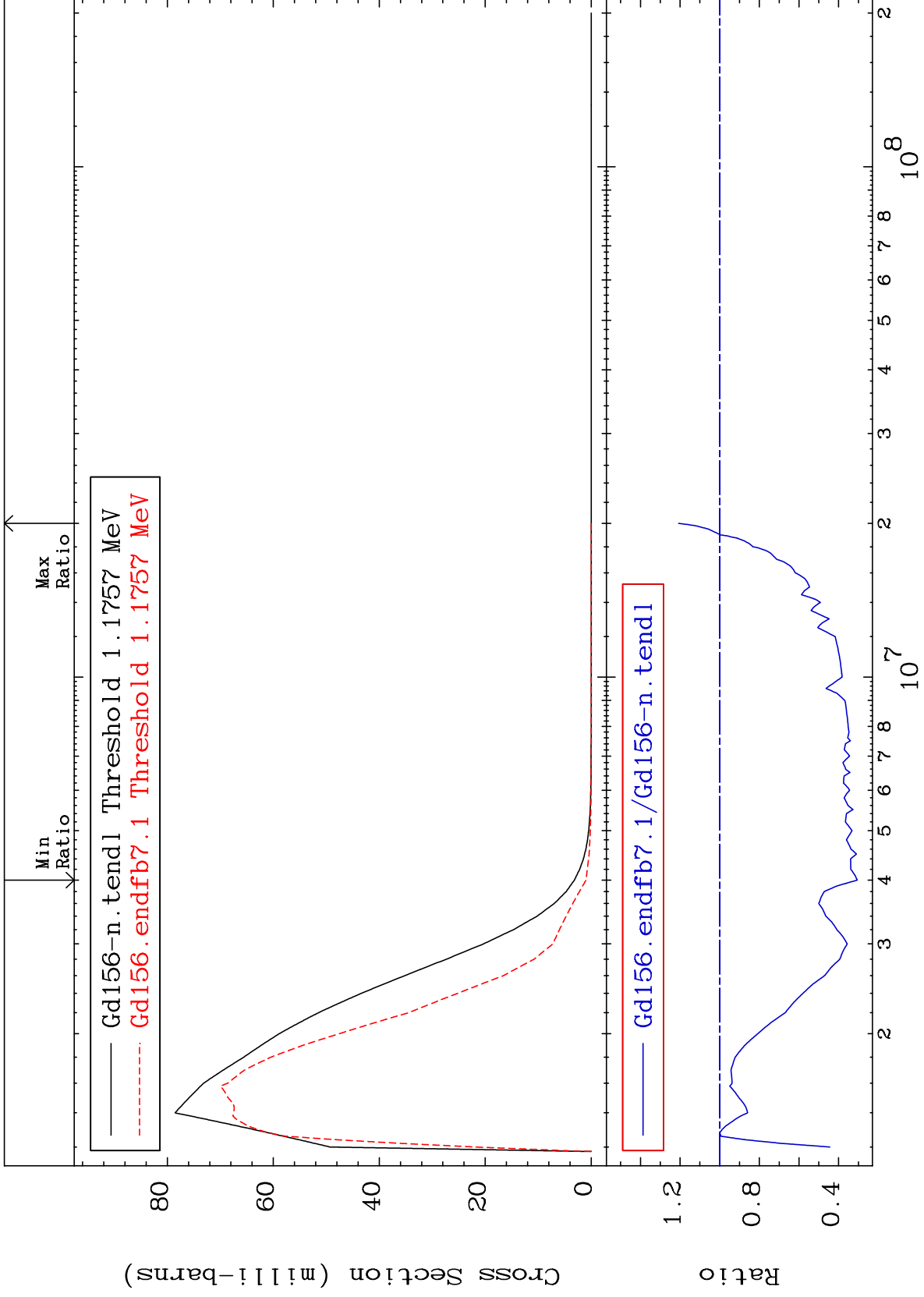
Incident Energy (eV)

64-Gd-156

MAT 6437

1.168 MeV (n,n') Level
Cross Section

64-Gd-156
-69.42 To 20.74 %



17

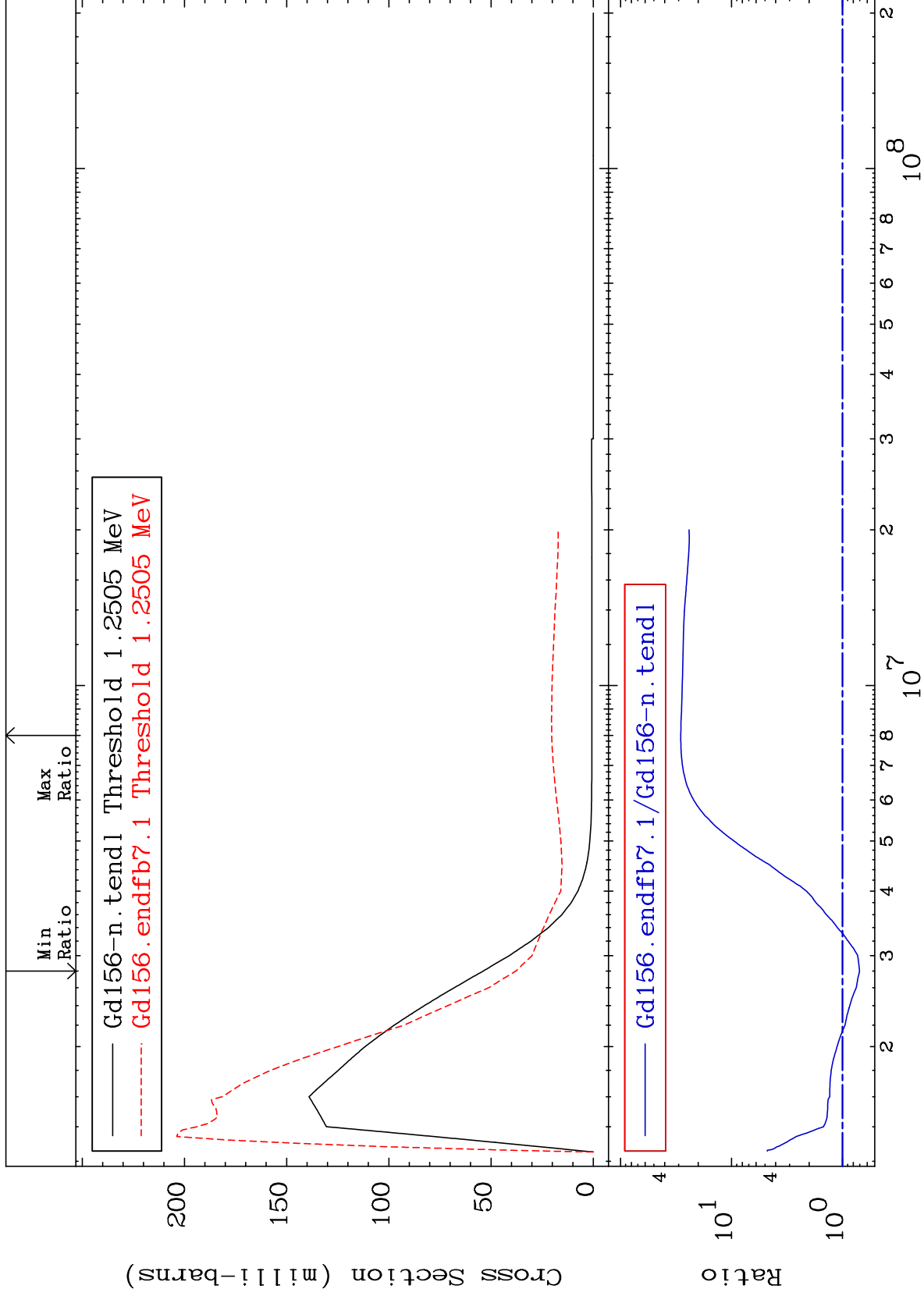
Incident Energy (eV)

64-Gd-156

MAT 6437

1.242 MeV (n,n') Level
Cross Section

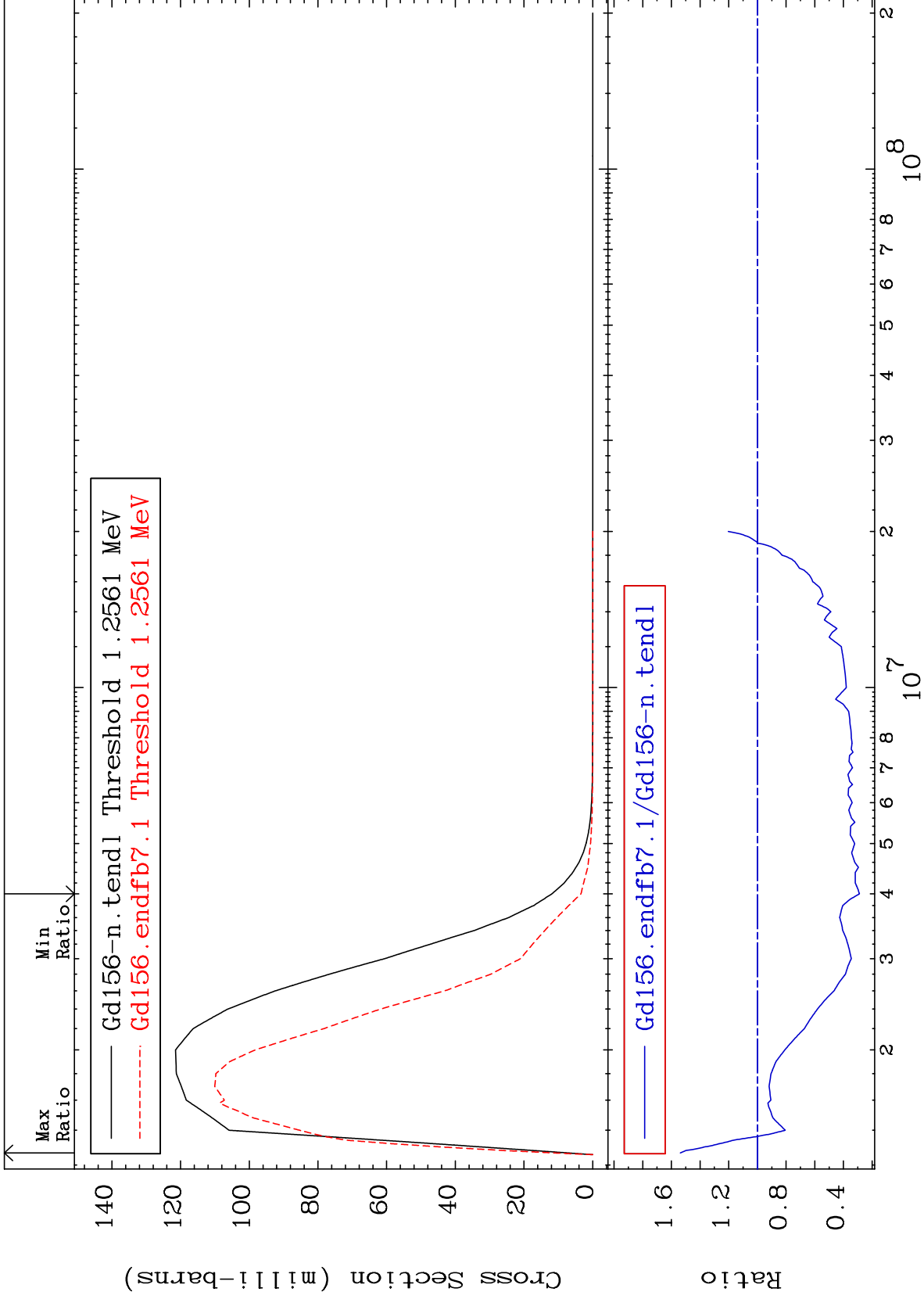
64-Gd-156
-29.70 To 2767. %



18

Incident Energy (eV)

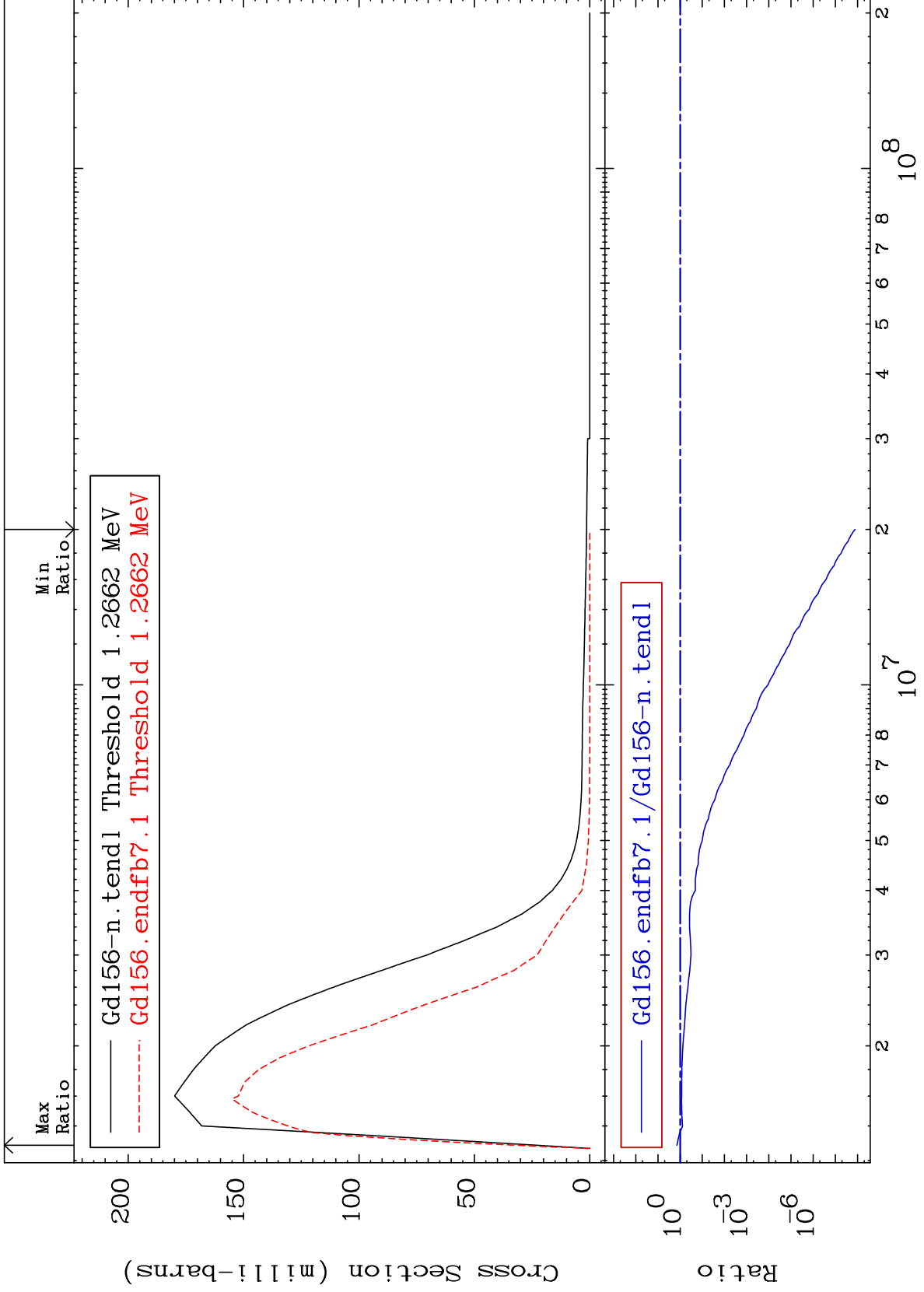
64-Gd-156



MAT 6437

1.258 MeV (n,n') Level
Cross Section

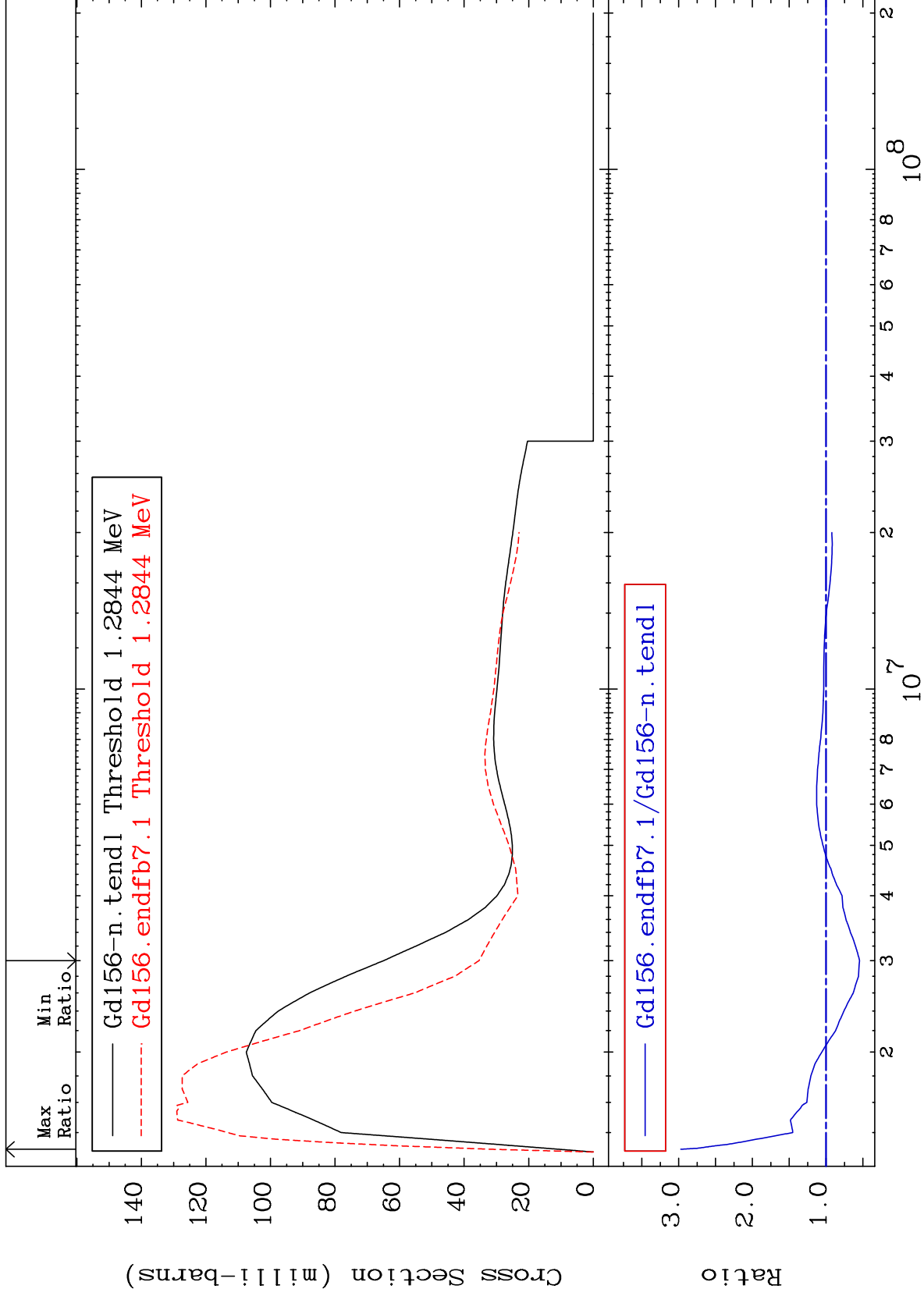
64-Gd-156
-100.0 To 39.00 %

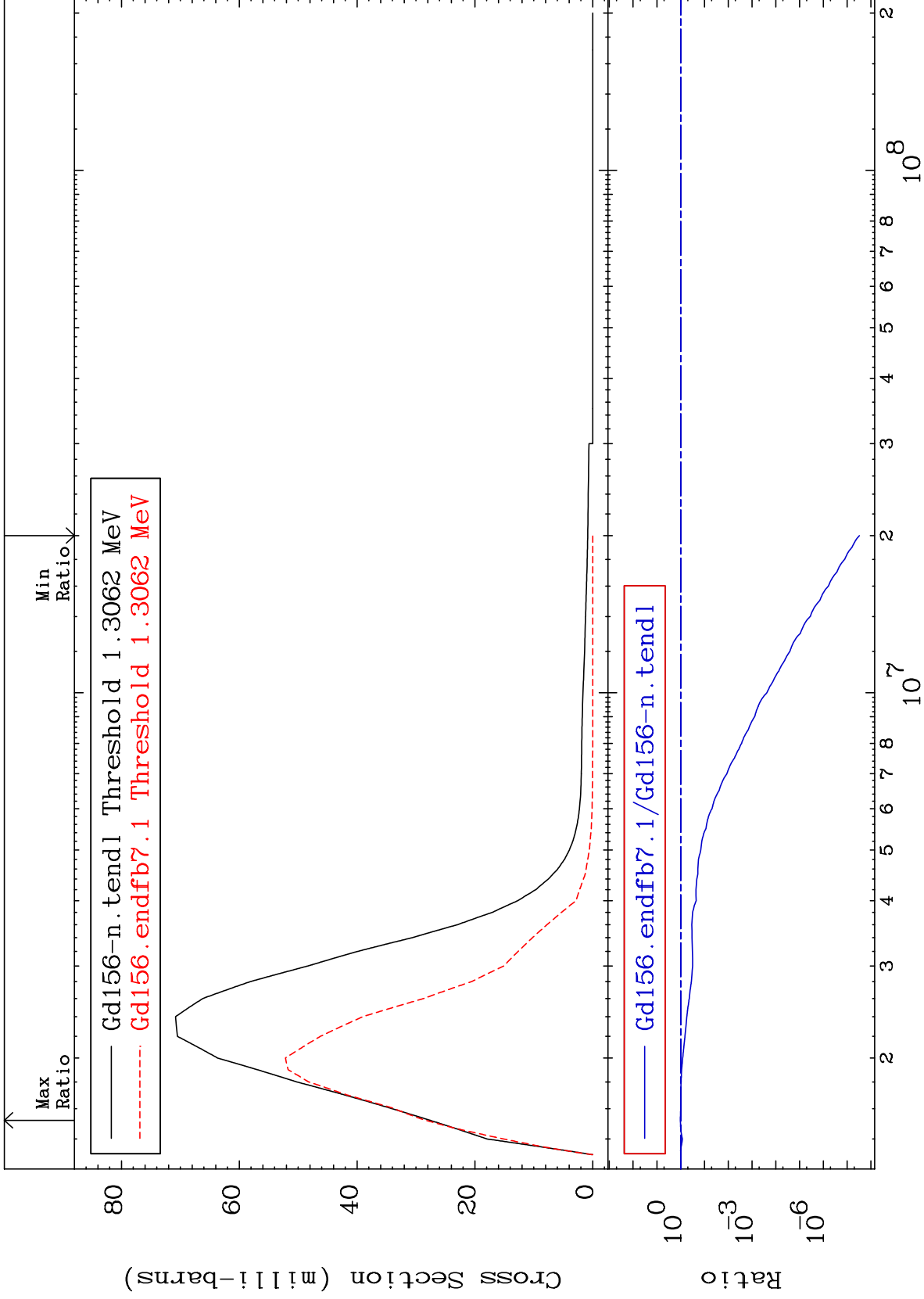


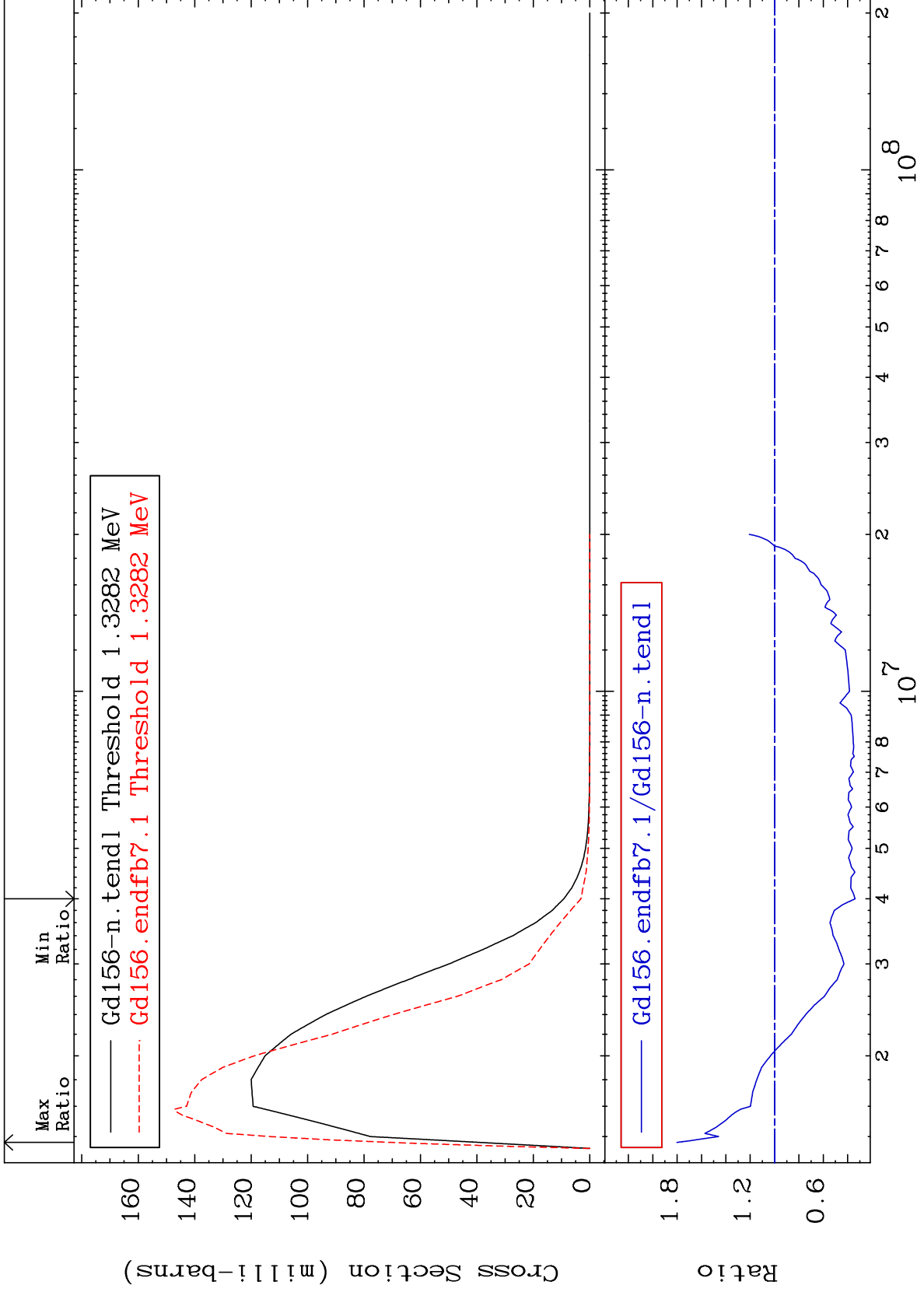
MAT 6437

1.276 MeV (n,n') Level
Cross Section

64-Gd-156
-45.49 To 197.2 %



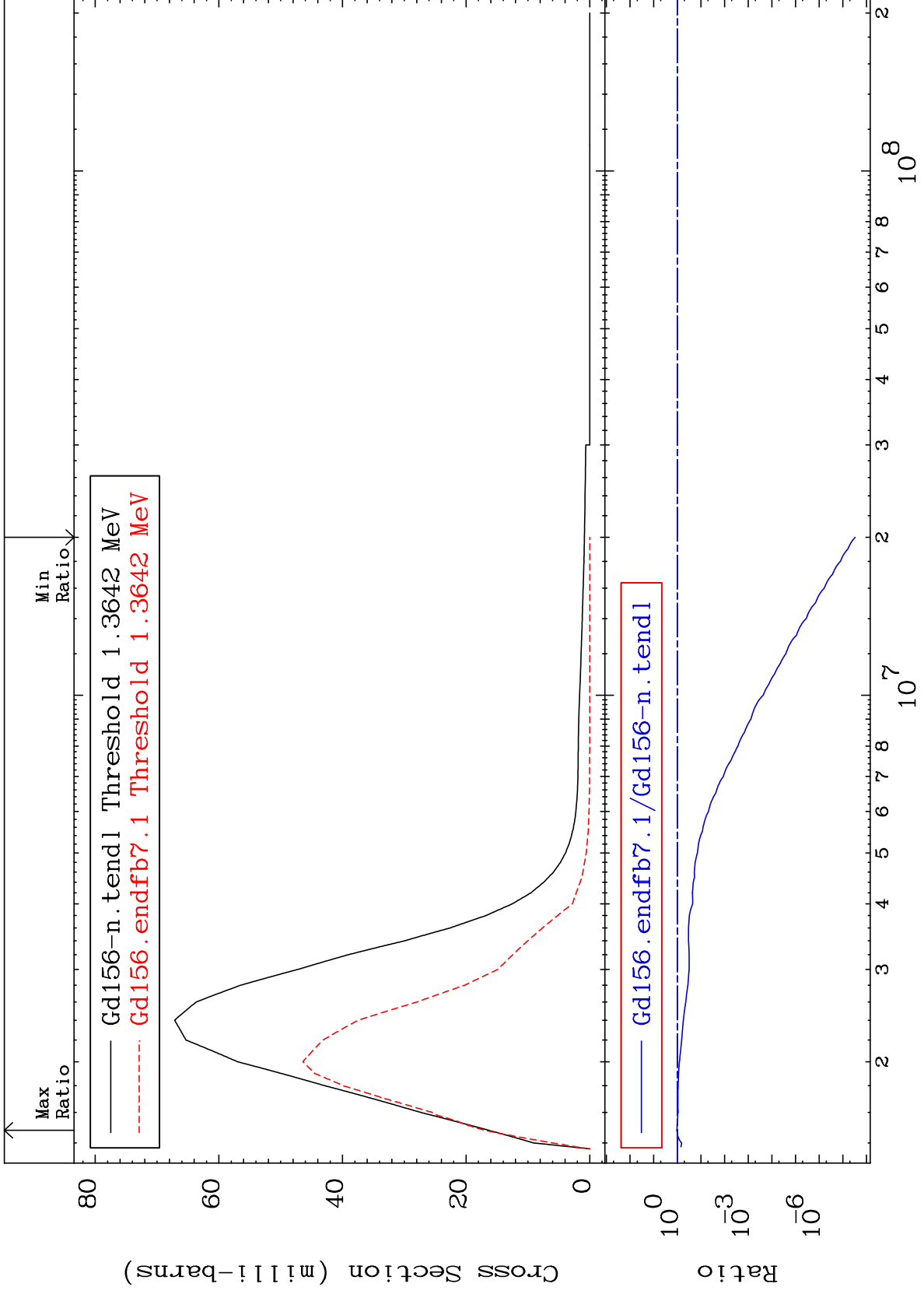


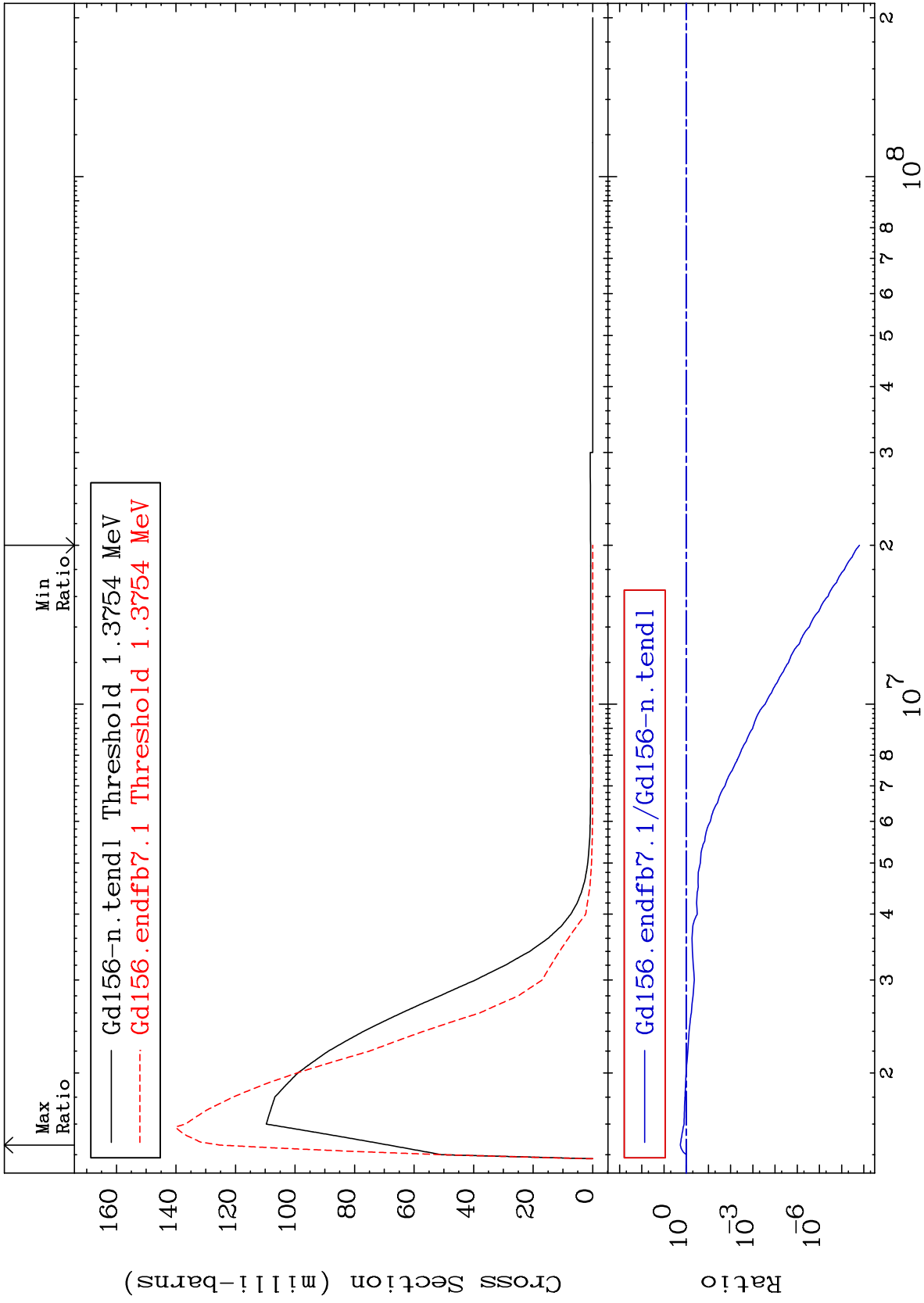


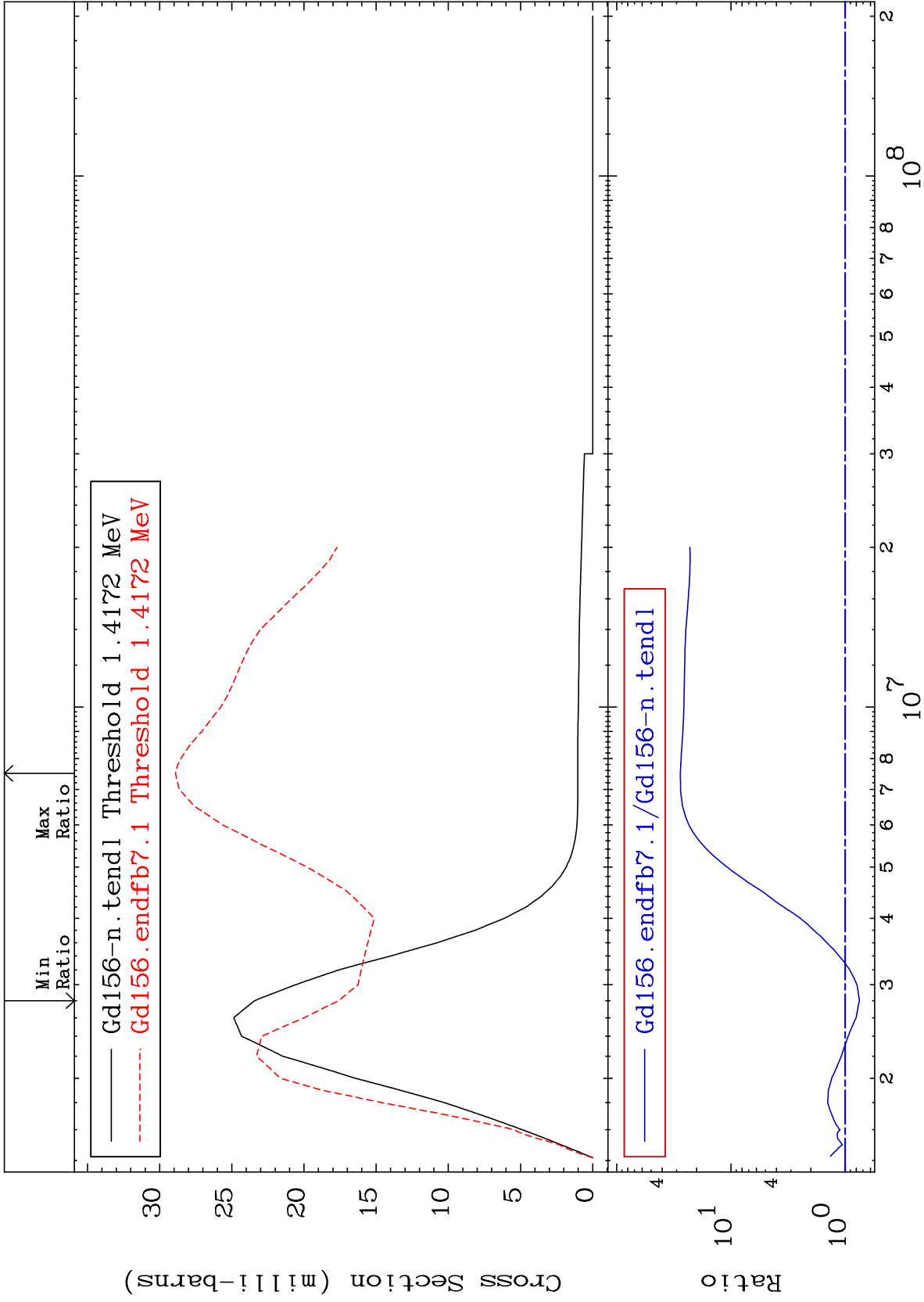
MAT 6437

1.355 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 3.931 %



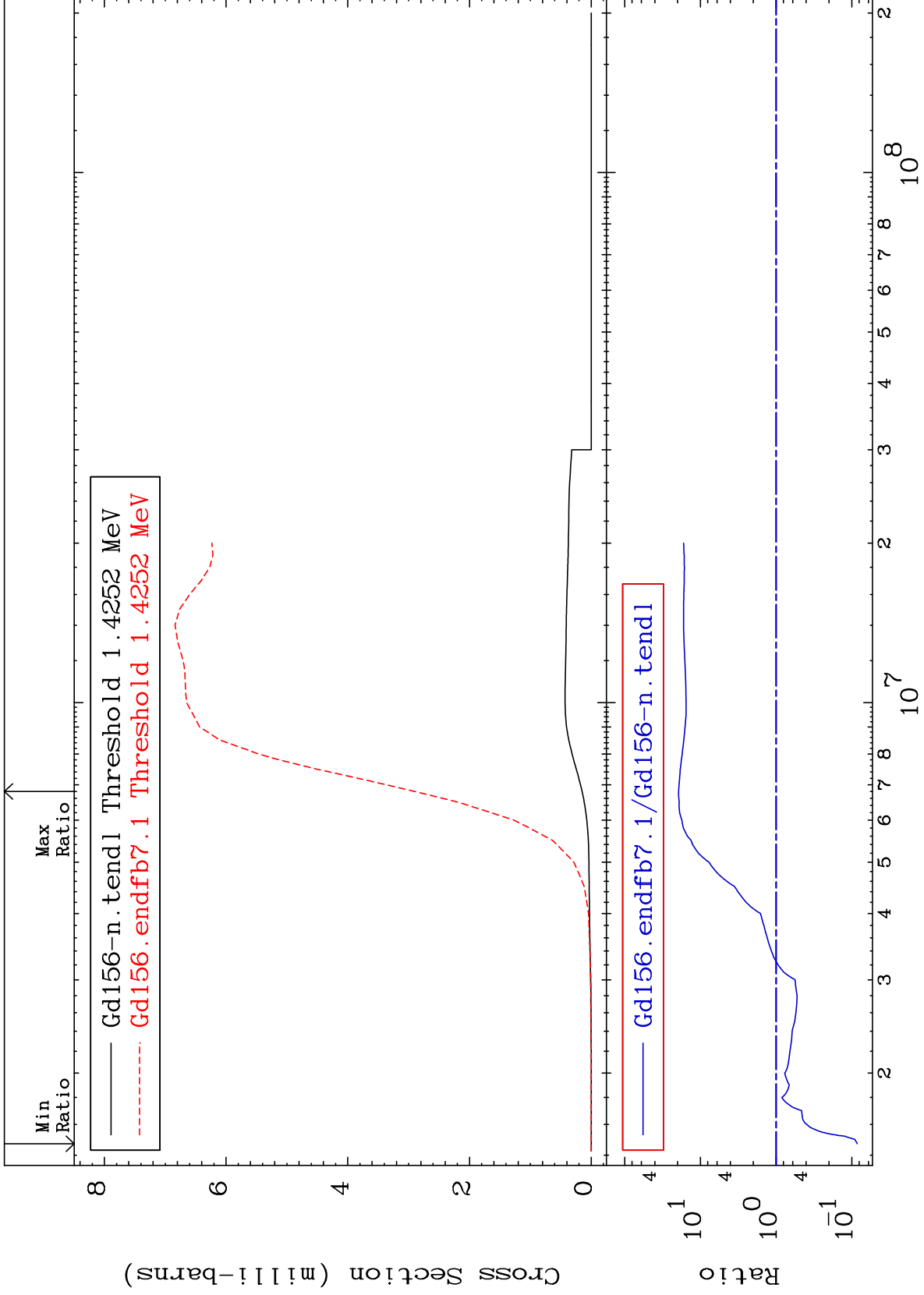




MAT 6437

1.416 MeV (n,n') Level
Cross Section

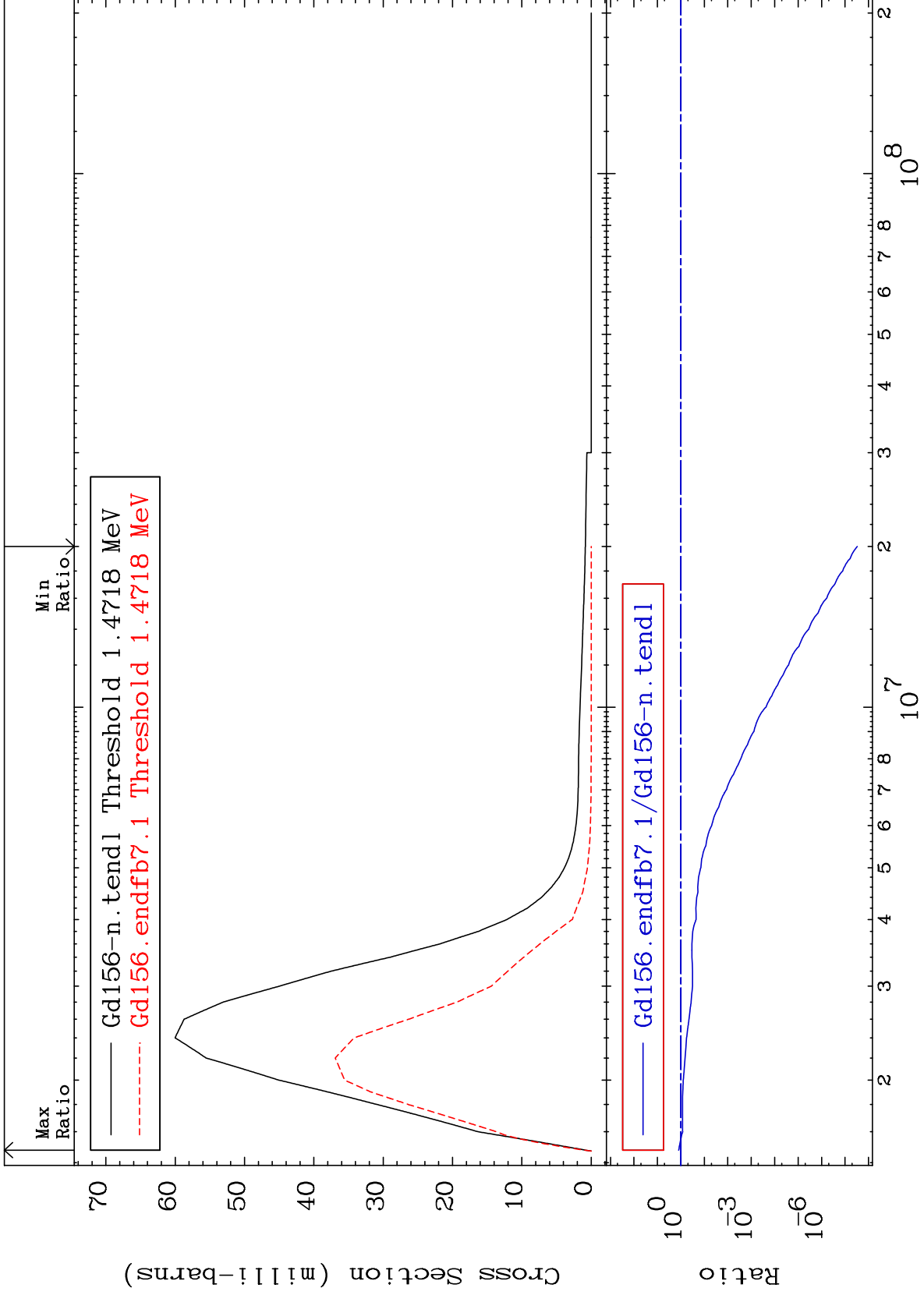
64-Gd-156
-91.54 To 1836. %

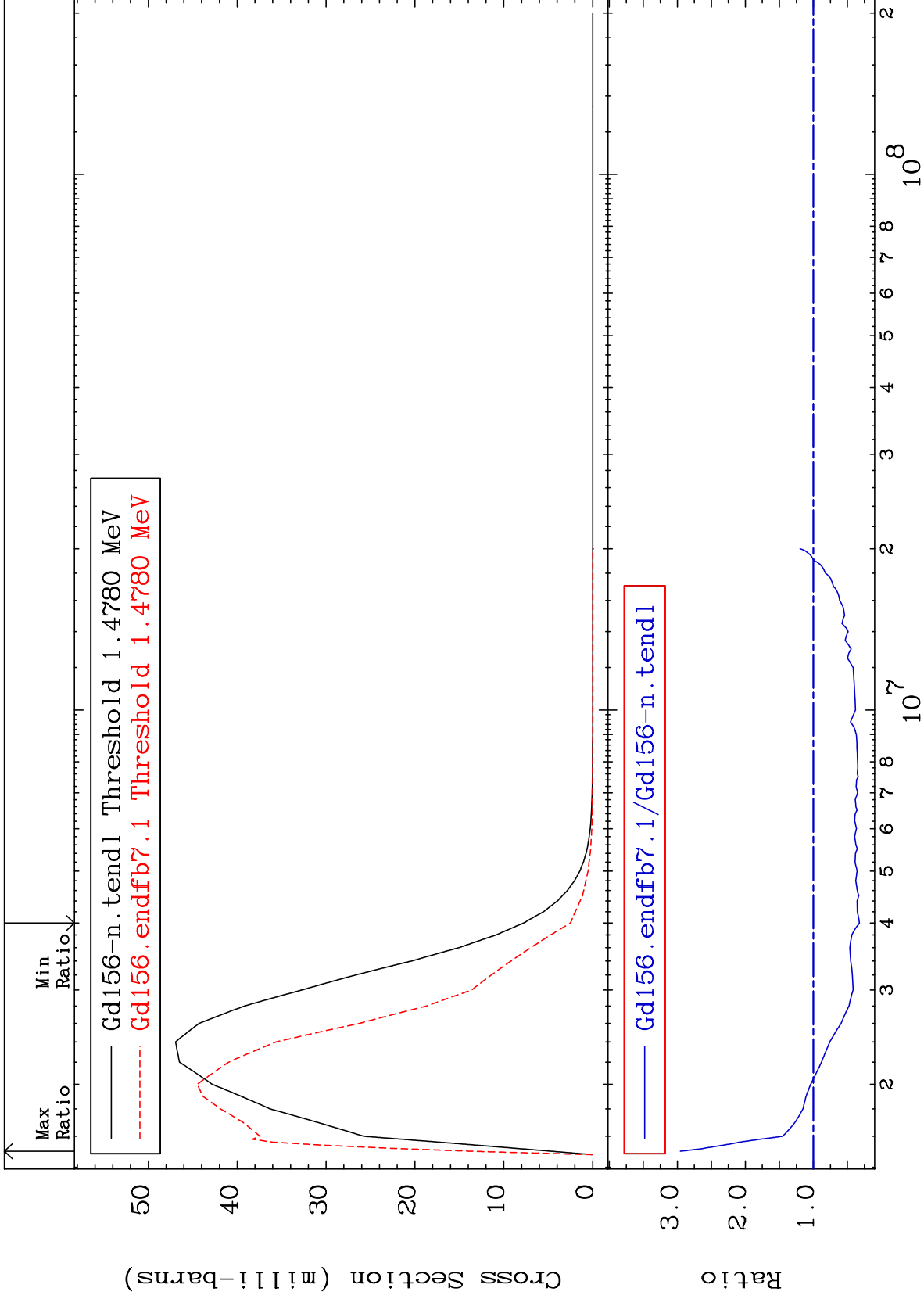


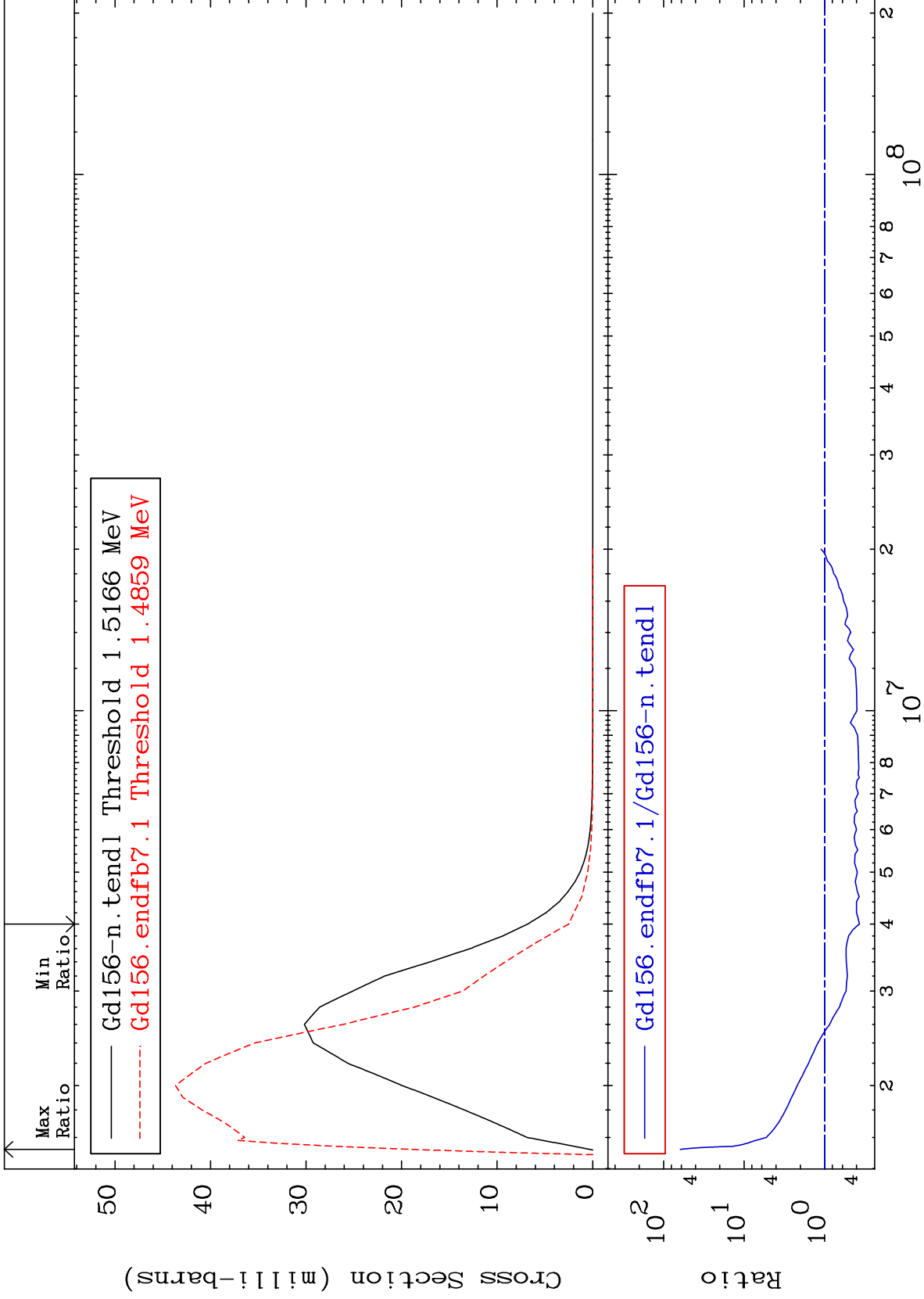
MAT 6437

1.462 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 24.33 %



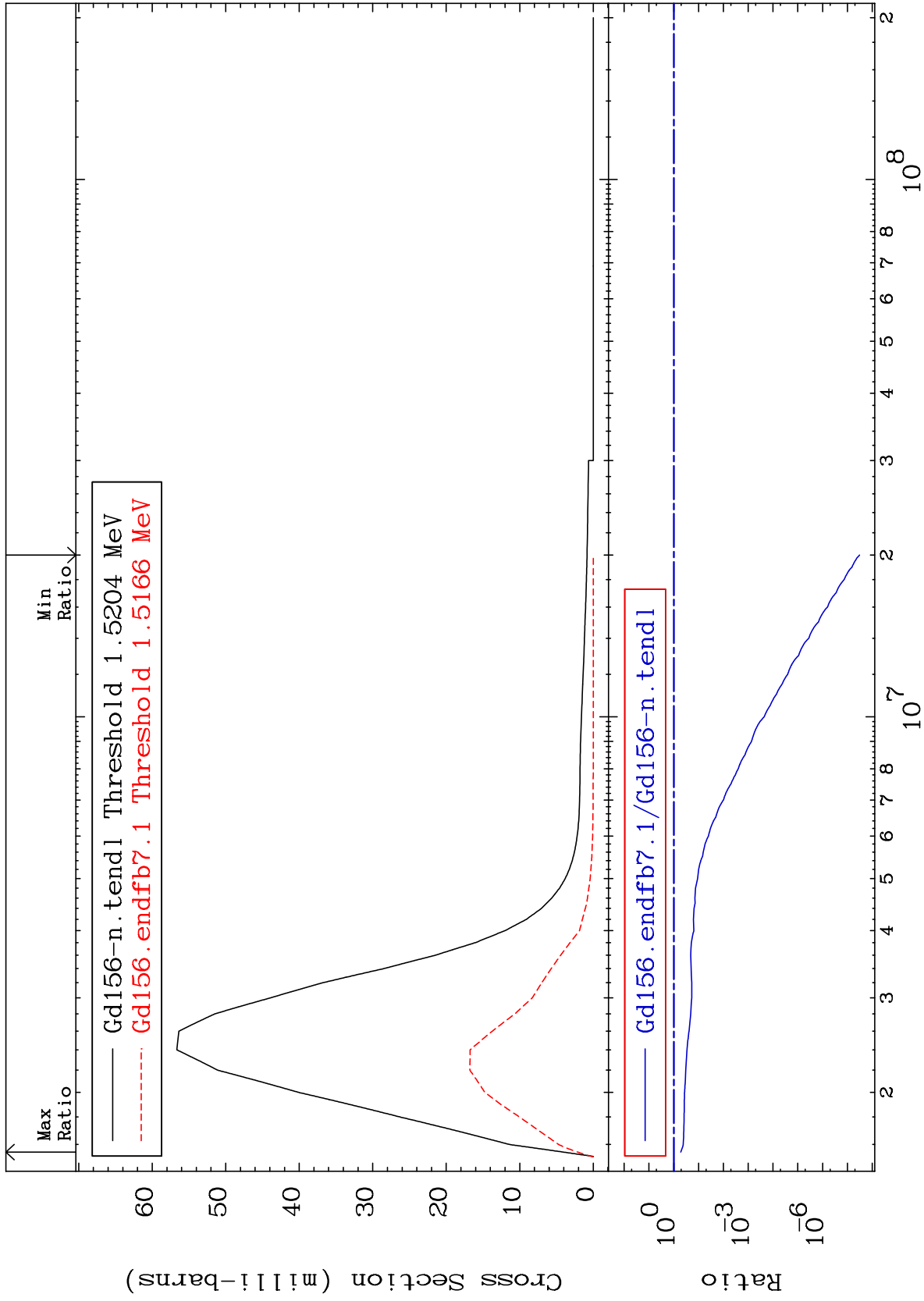




MAT 6437

1.511 MeV (n,n') Level
Cross Section

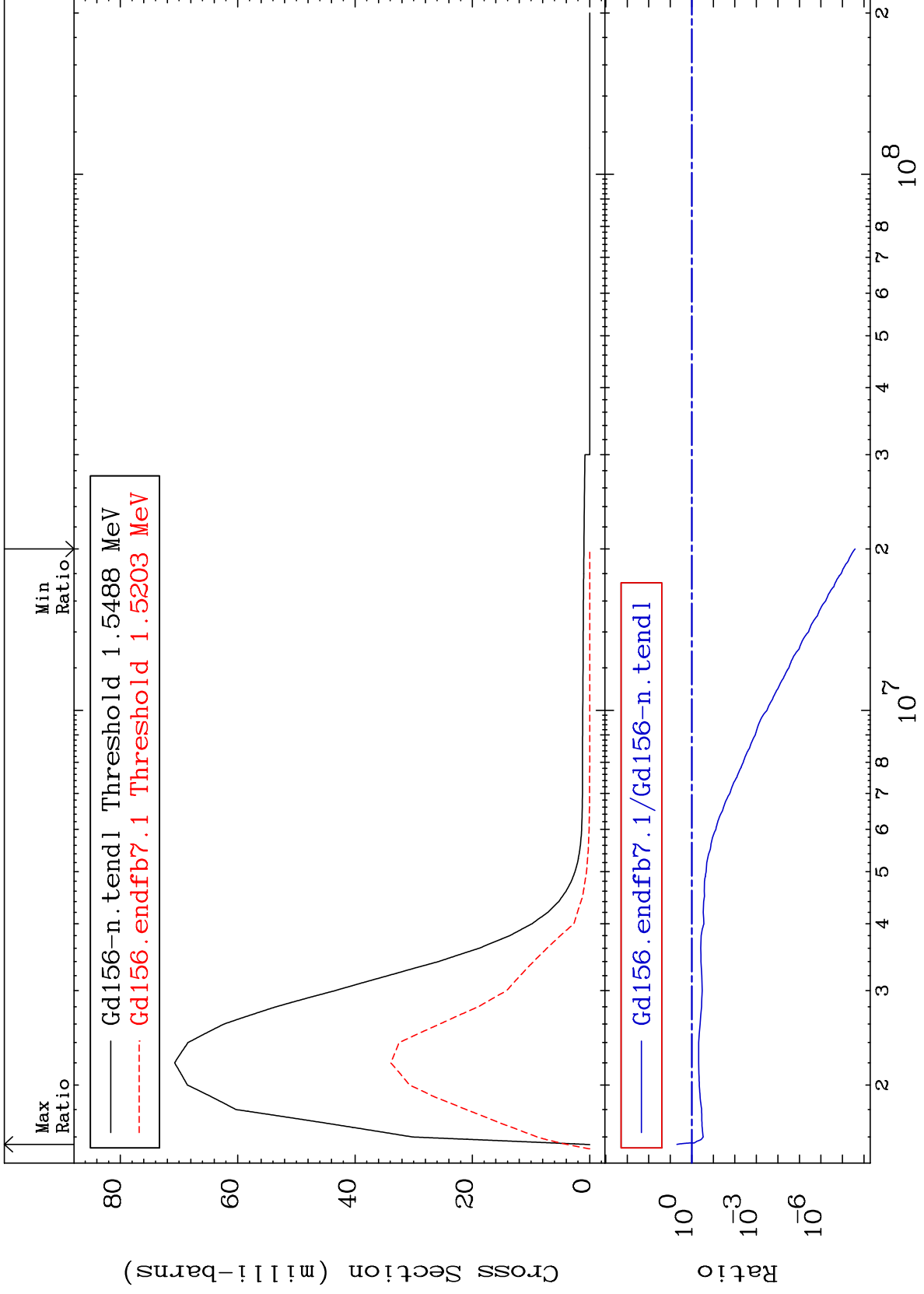
64-Gd-156
-100.0 To -47.75%

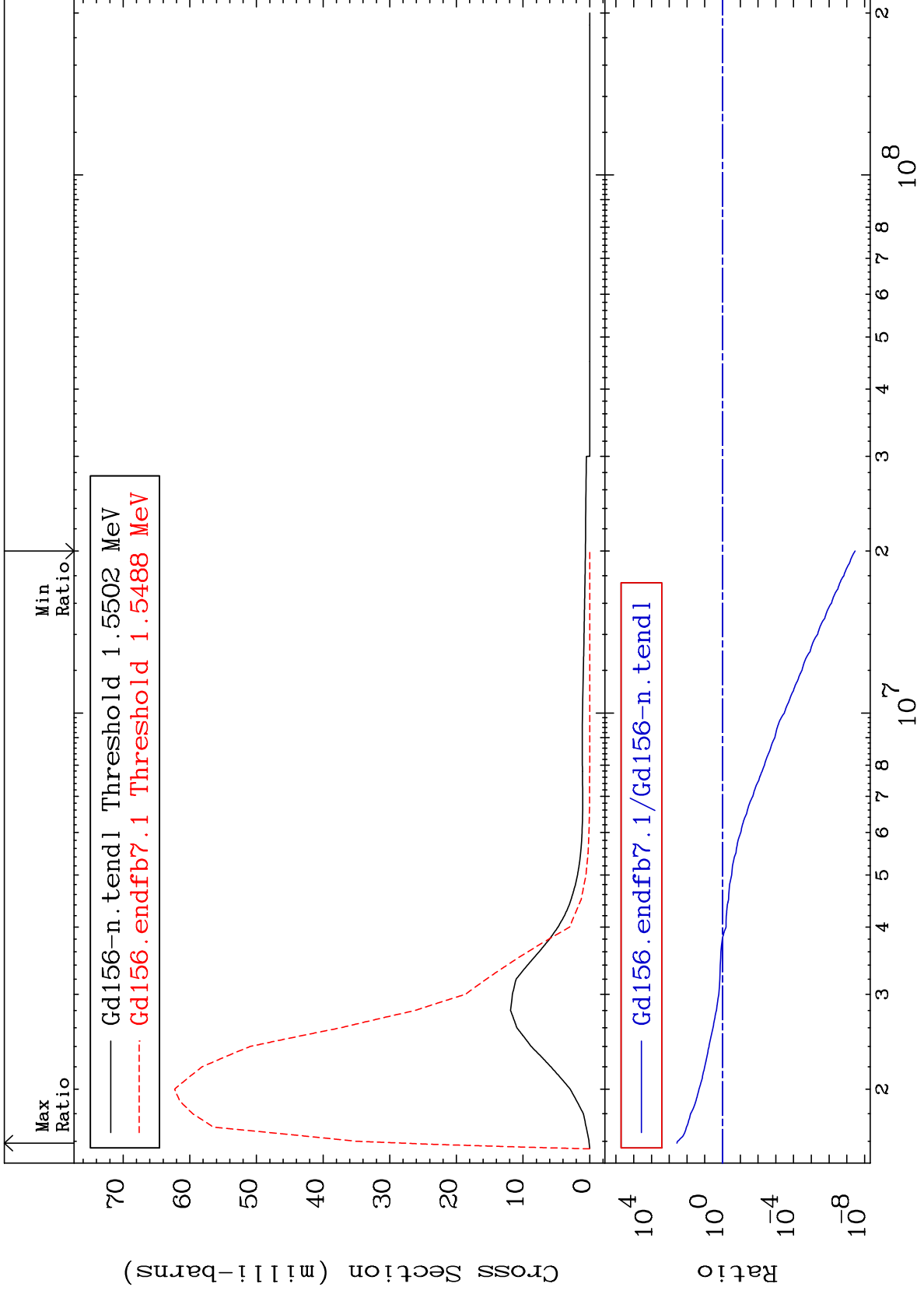


MAT 6437

1.539 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 390.0 %

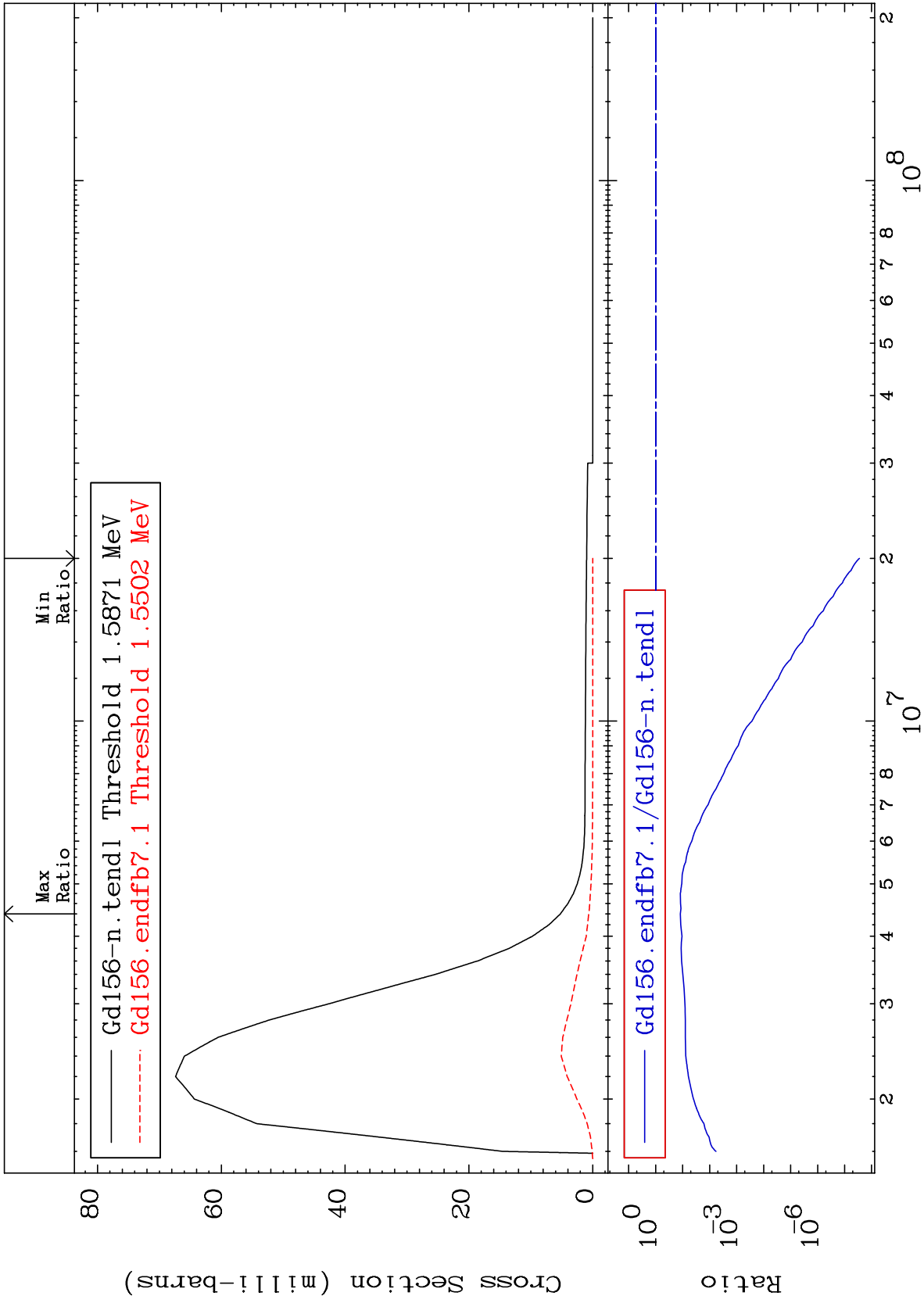


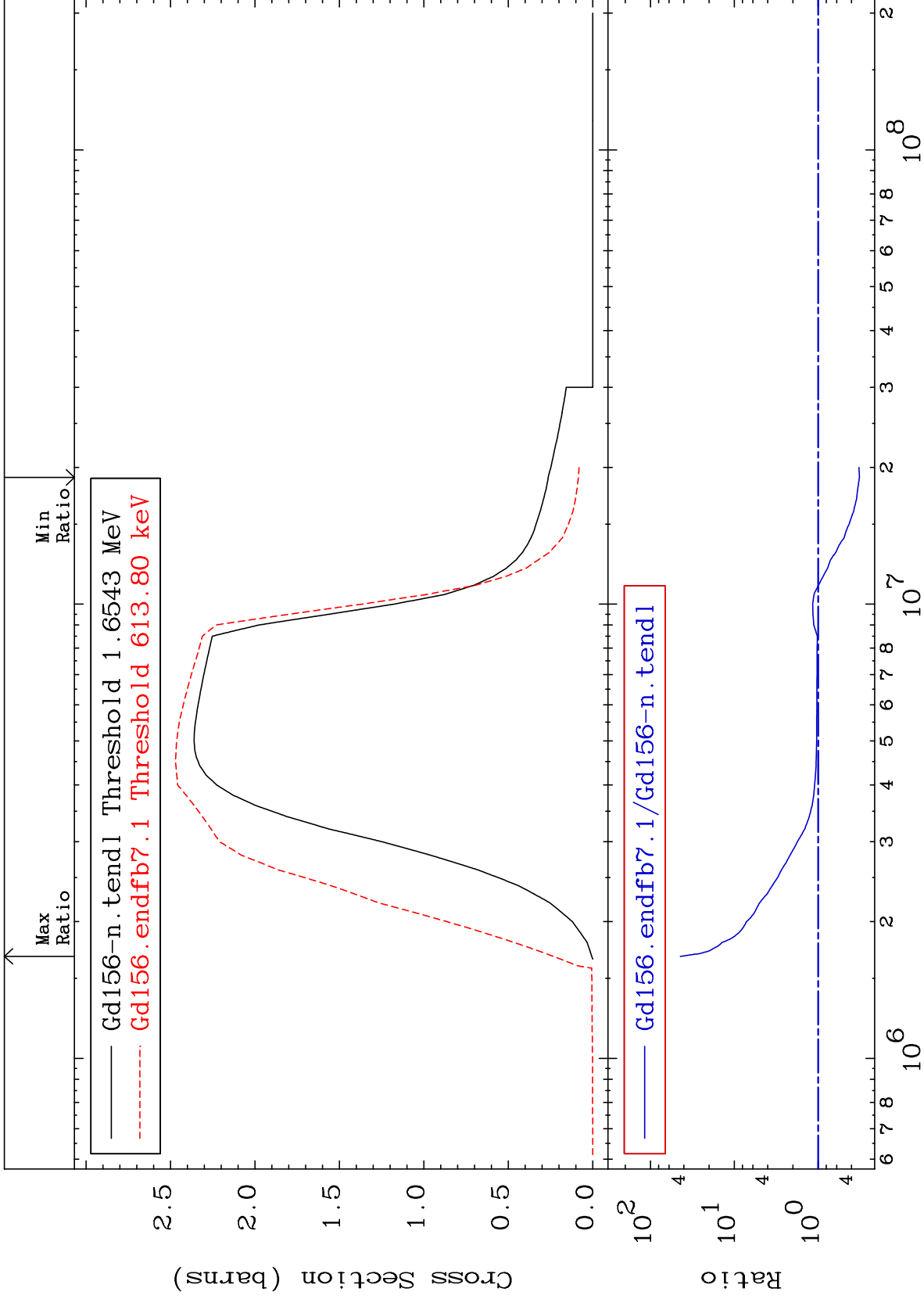


MAT 6437

1.577 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To -87.81%

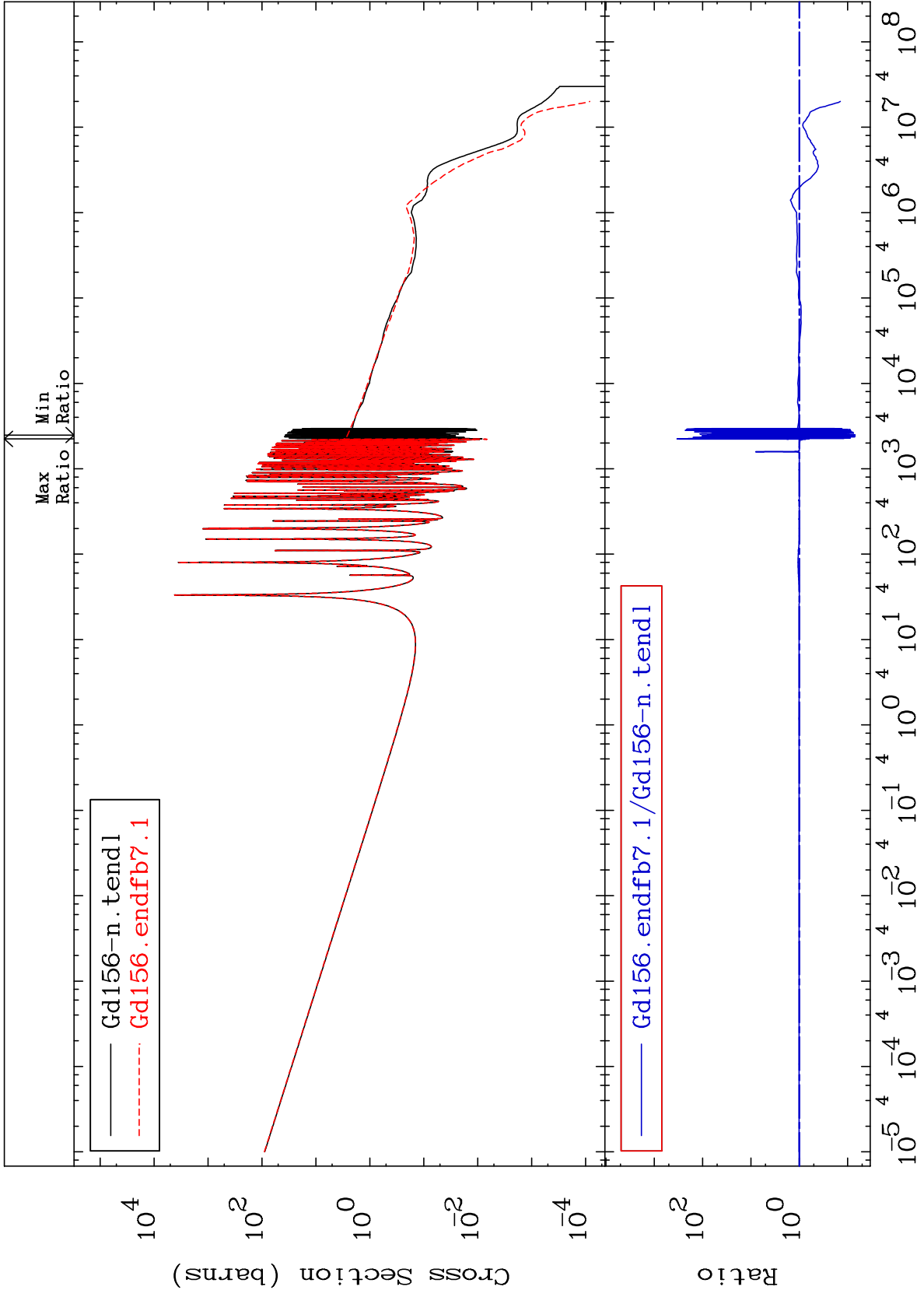




MAT 6437

(n, γ)
Cross Section

64-Gd-156
-93.02 To 9999. %



36

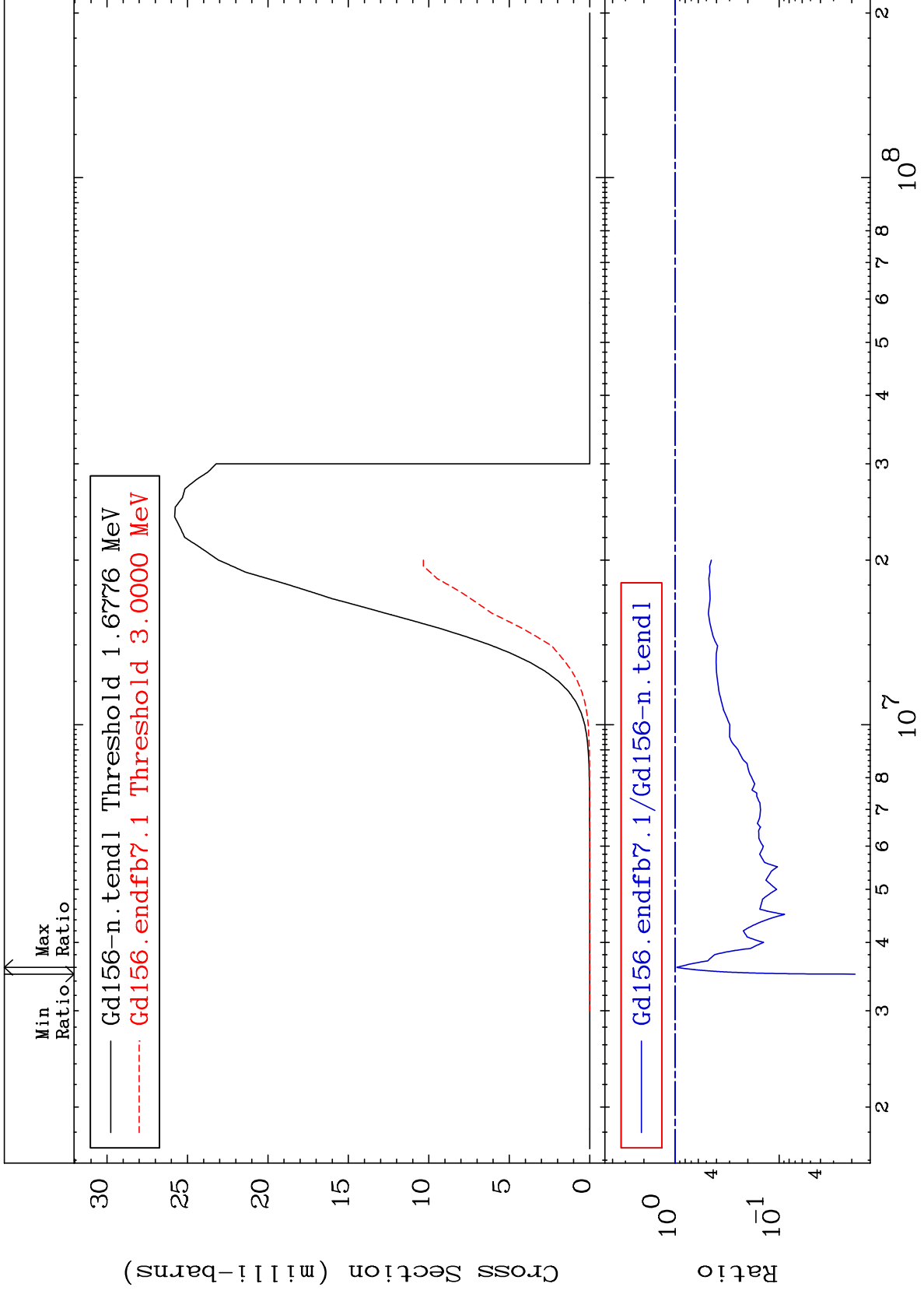
Incident Energy (eV)

64-Gd-156

MAT 6437

(n, p)
Cross Section

64-Gd-156
-98.14 To -3.925%



37

Incident Energy (eV)

64-Gd-156

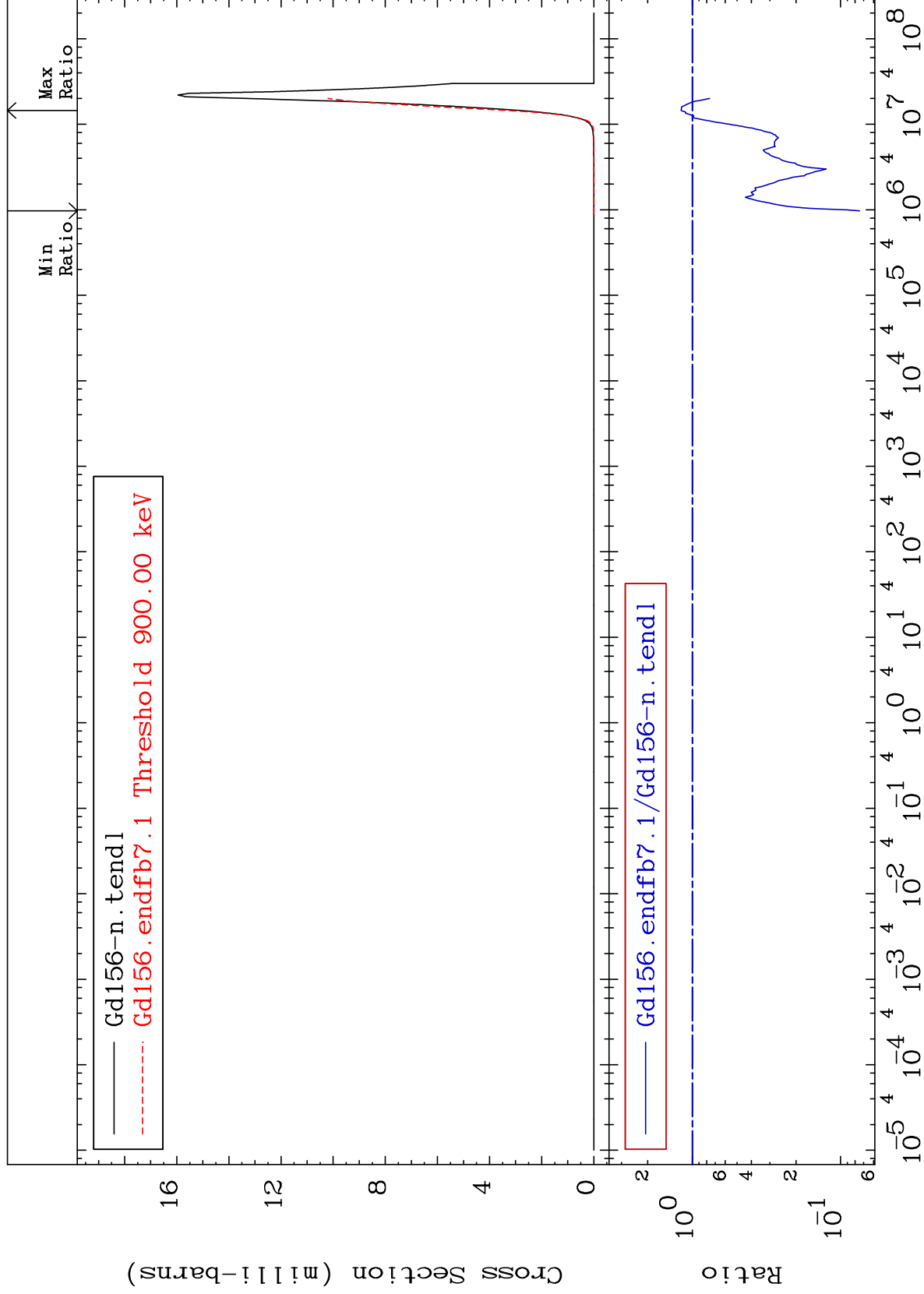
MAT 6437

(n, α)

64-Gd-156

Cross Section

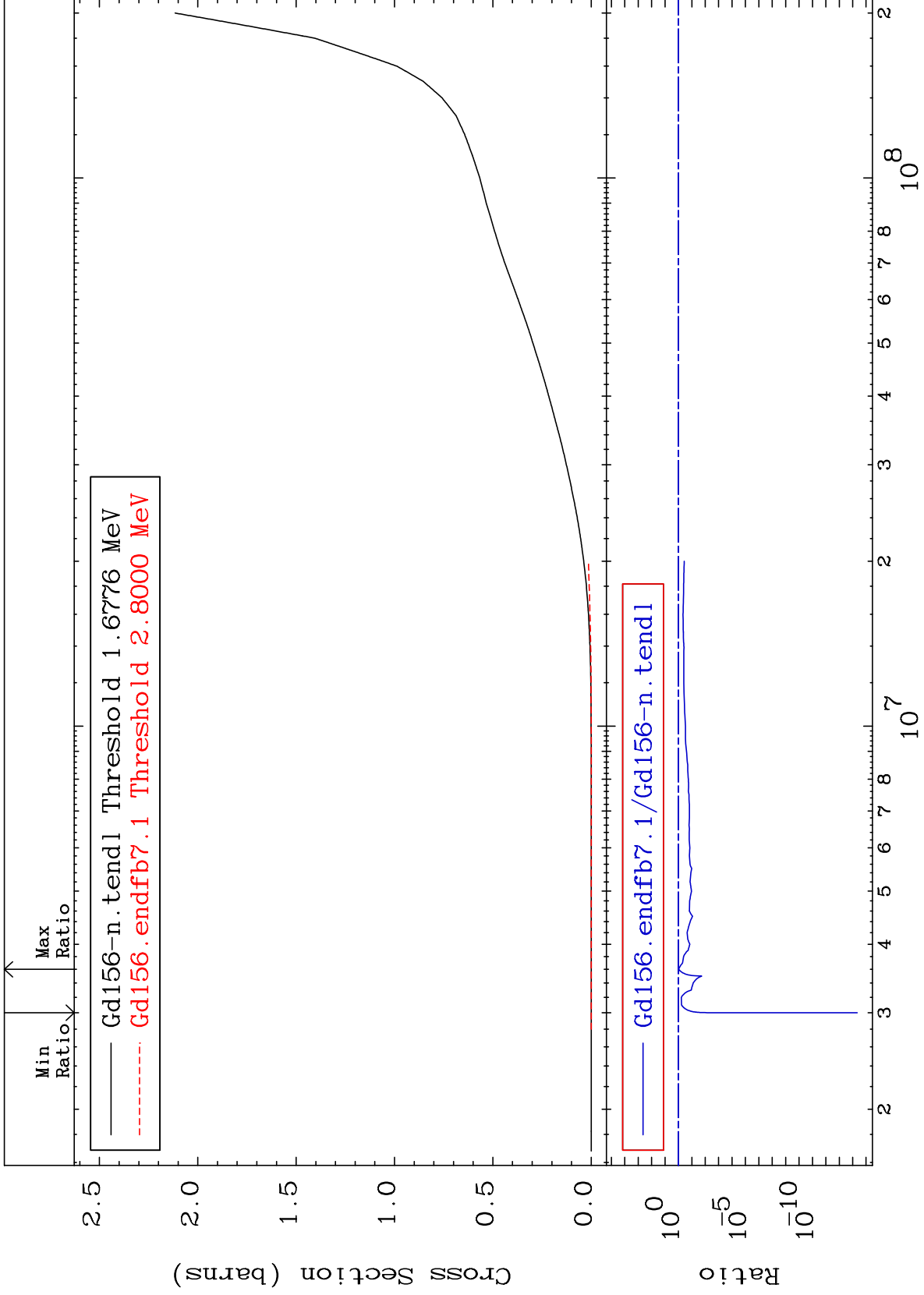
-92.56 To 18.84 %



38

Incident Energy (eV)

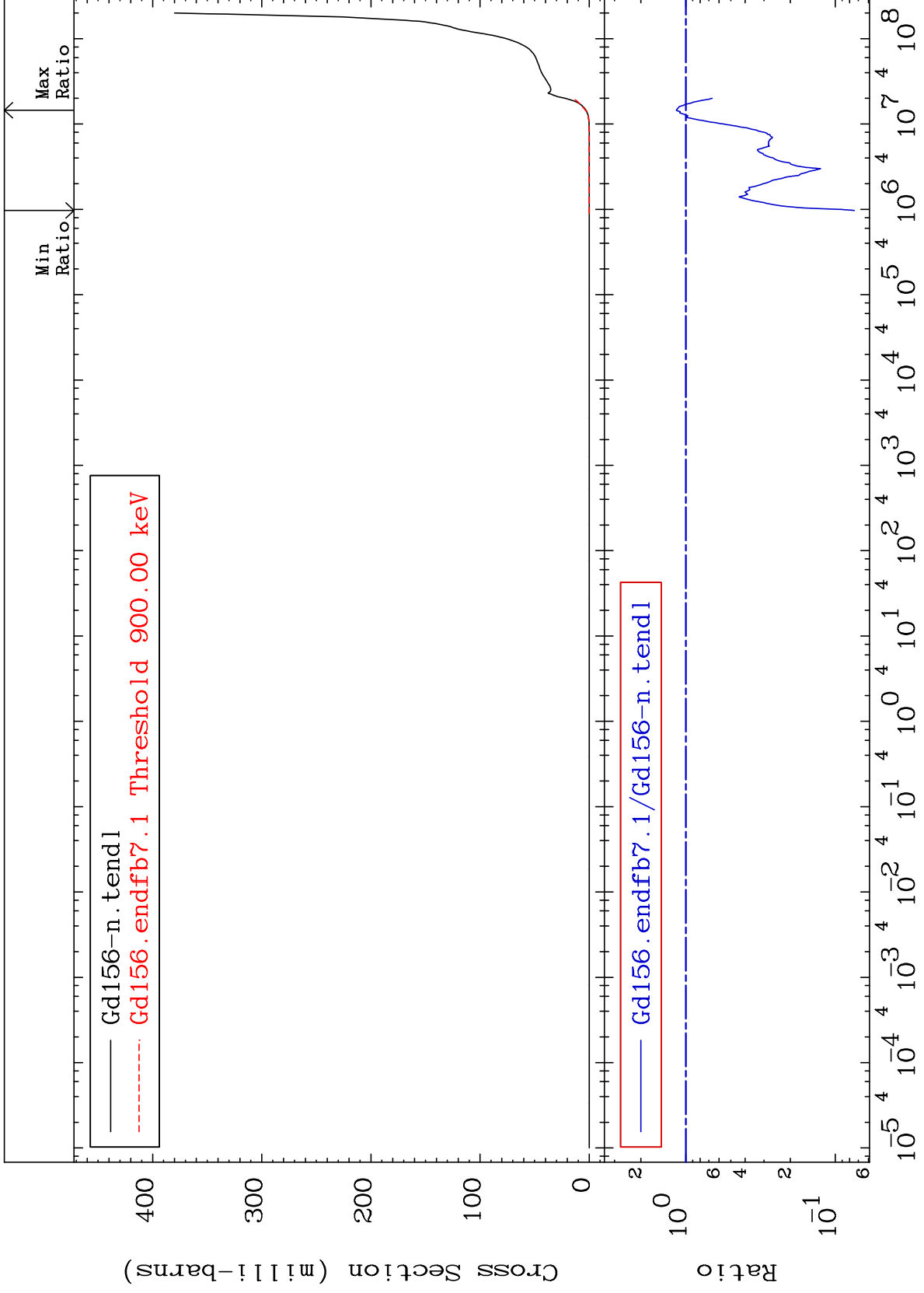
64-Gd-156



MAT 6437

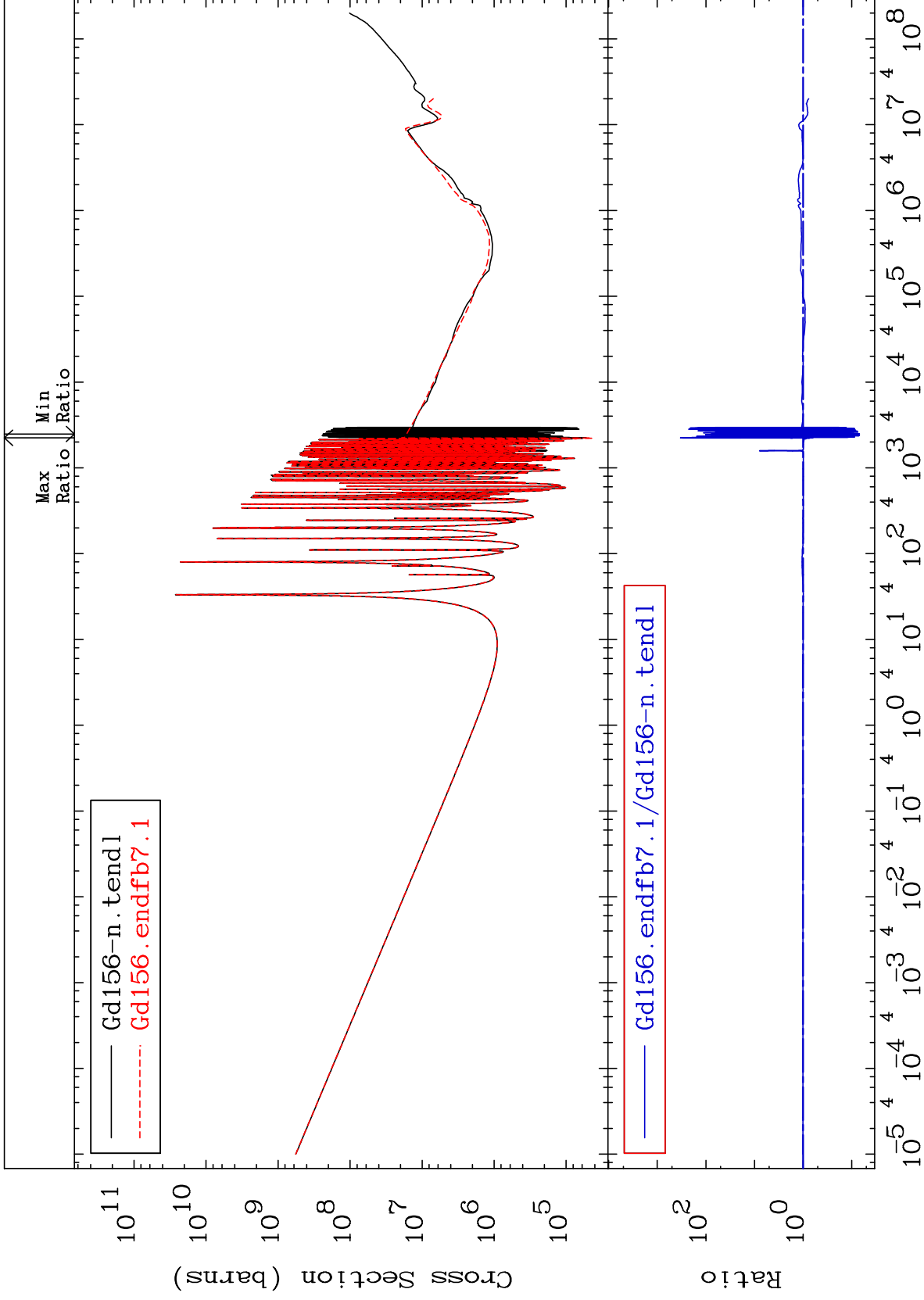
He-4 Production
Cross Section

64-Gd-156
-92.56 To 15.59 %



64-Gd-156

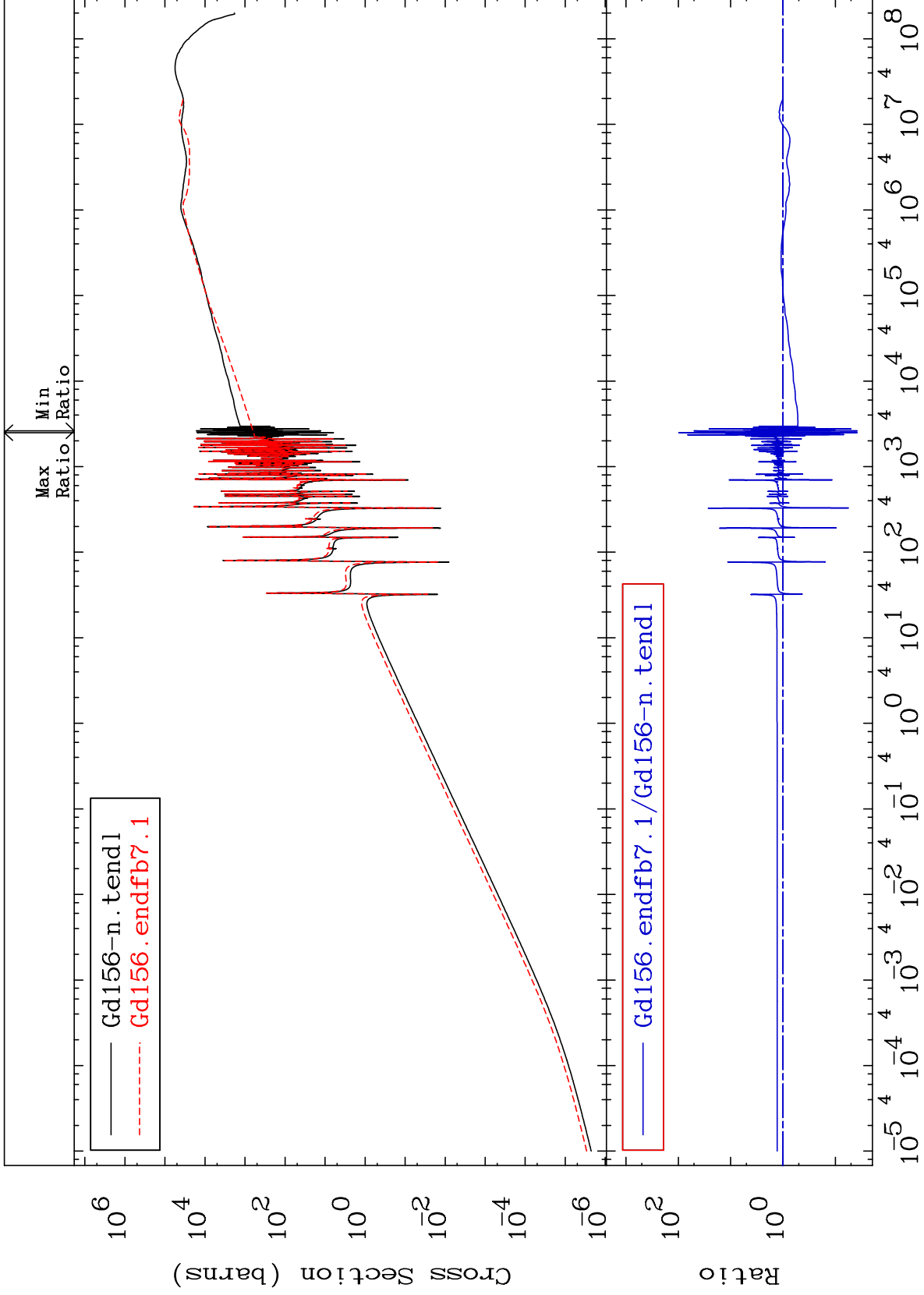
40

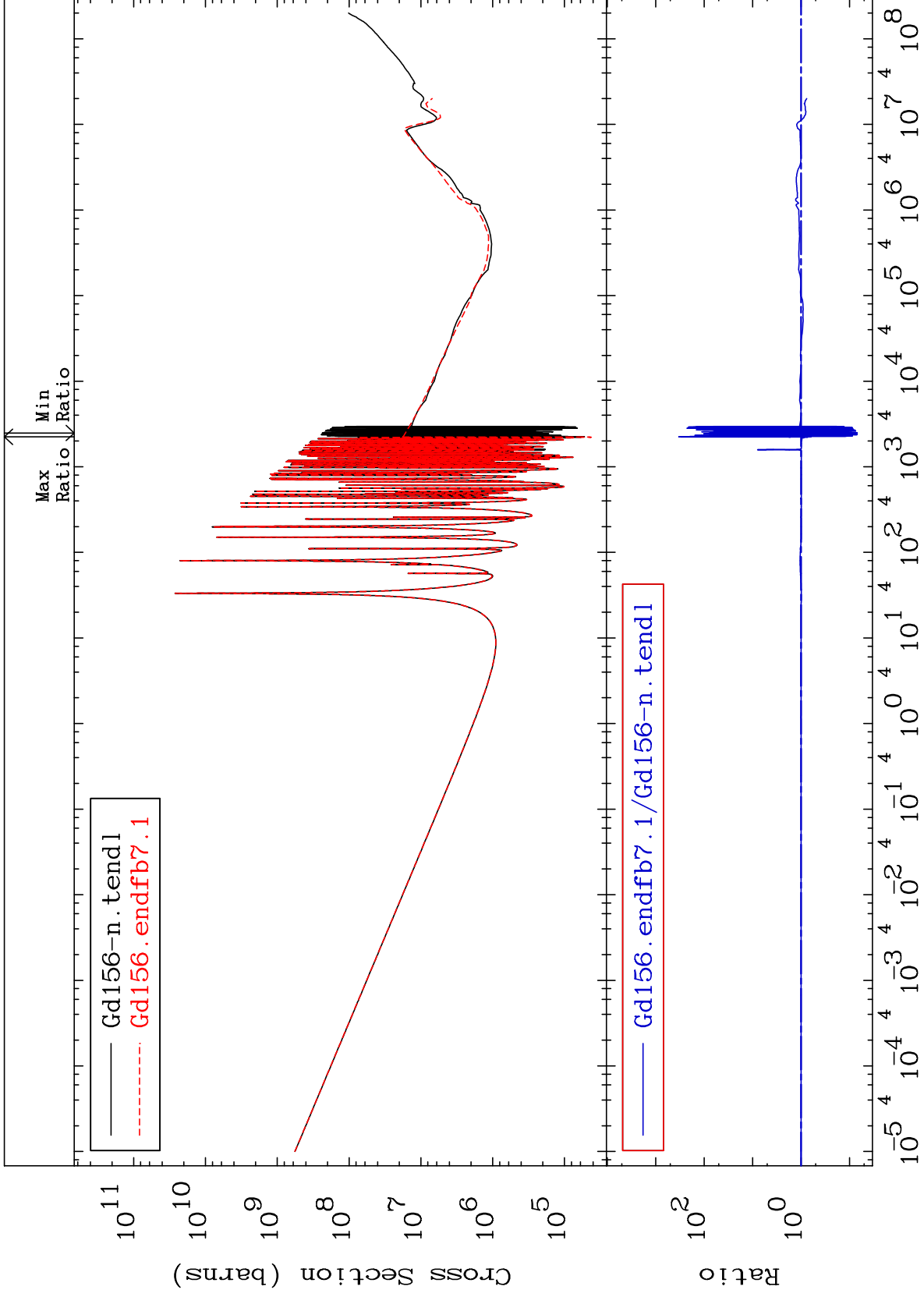


MAT 6437

Kerma elastic
Cross Section

64-Gd-156
-96.19 To 9760. %

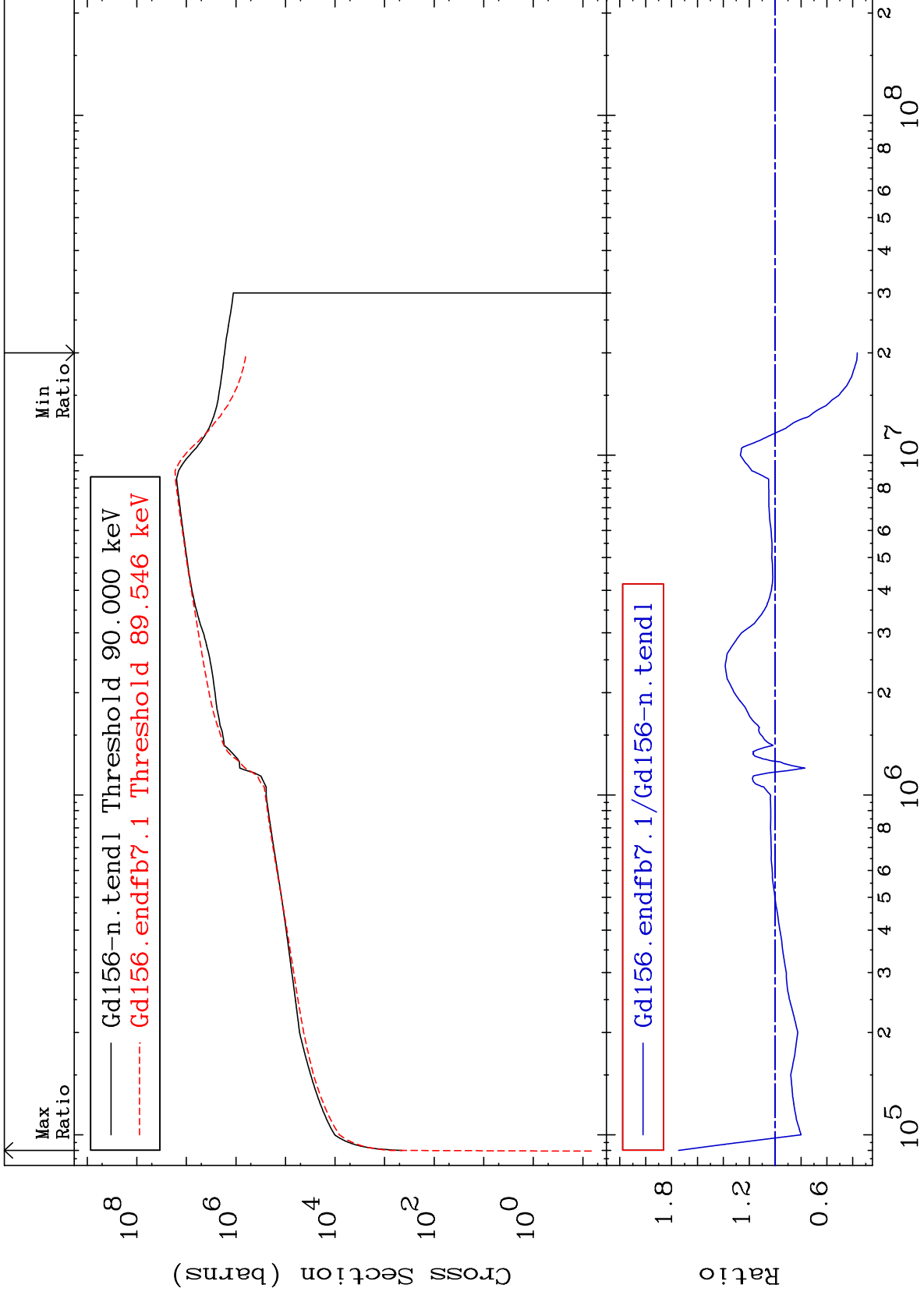




MAT 6437

Kerma inelastic (mt51-91)
Cross Section

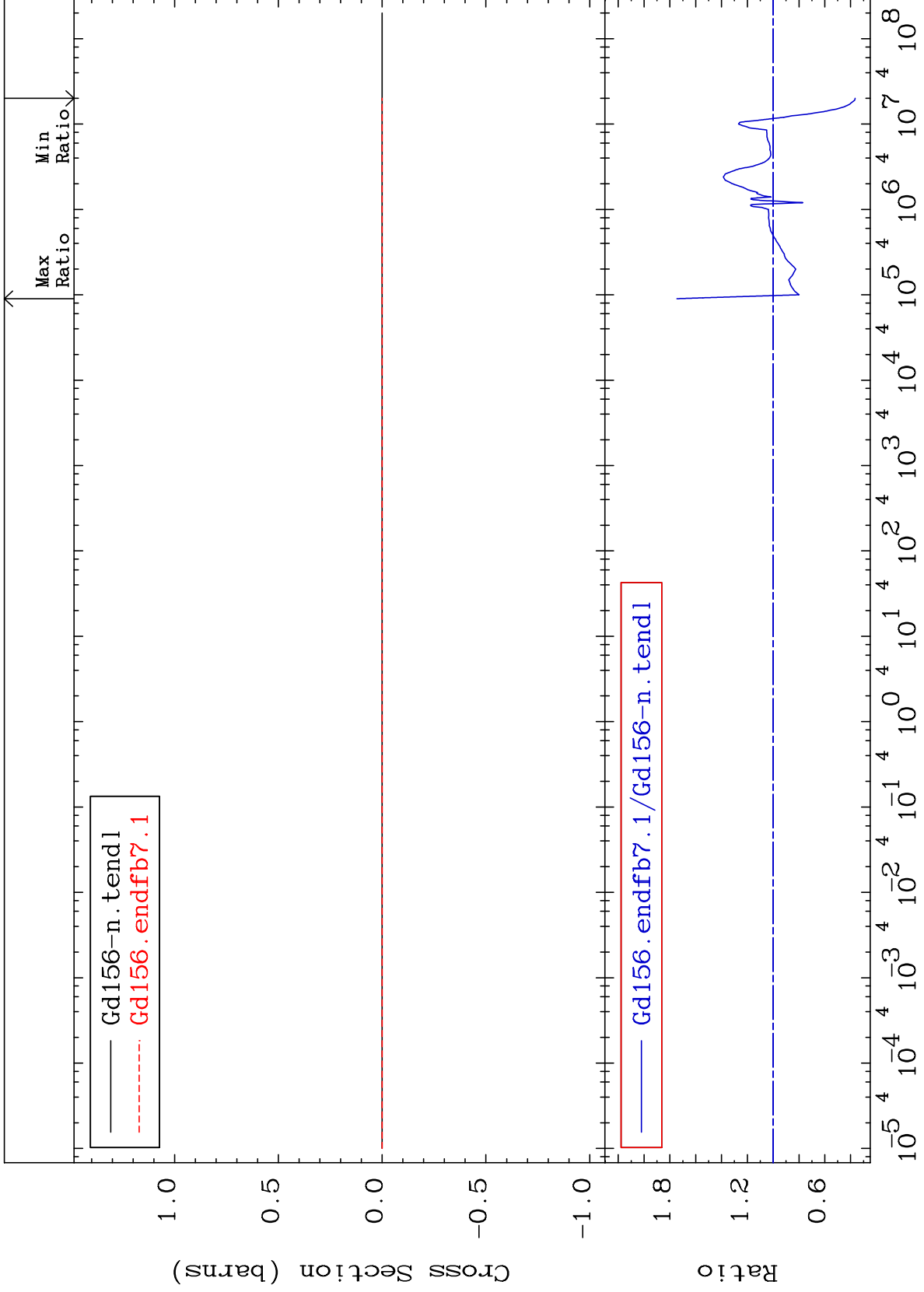
64-Gd-156
-63.47 To 74.55 %

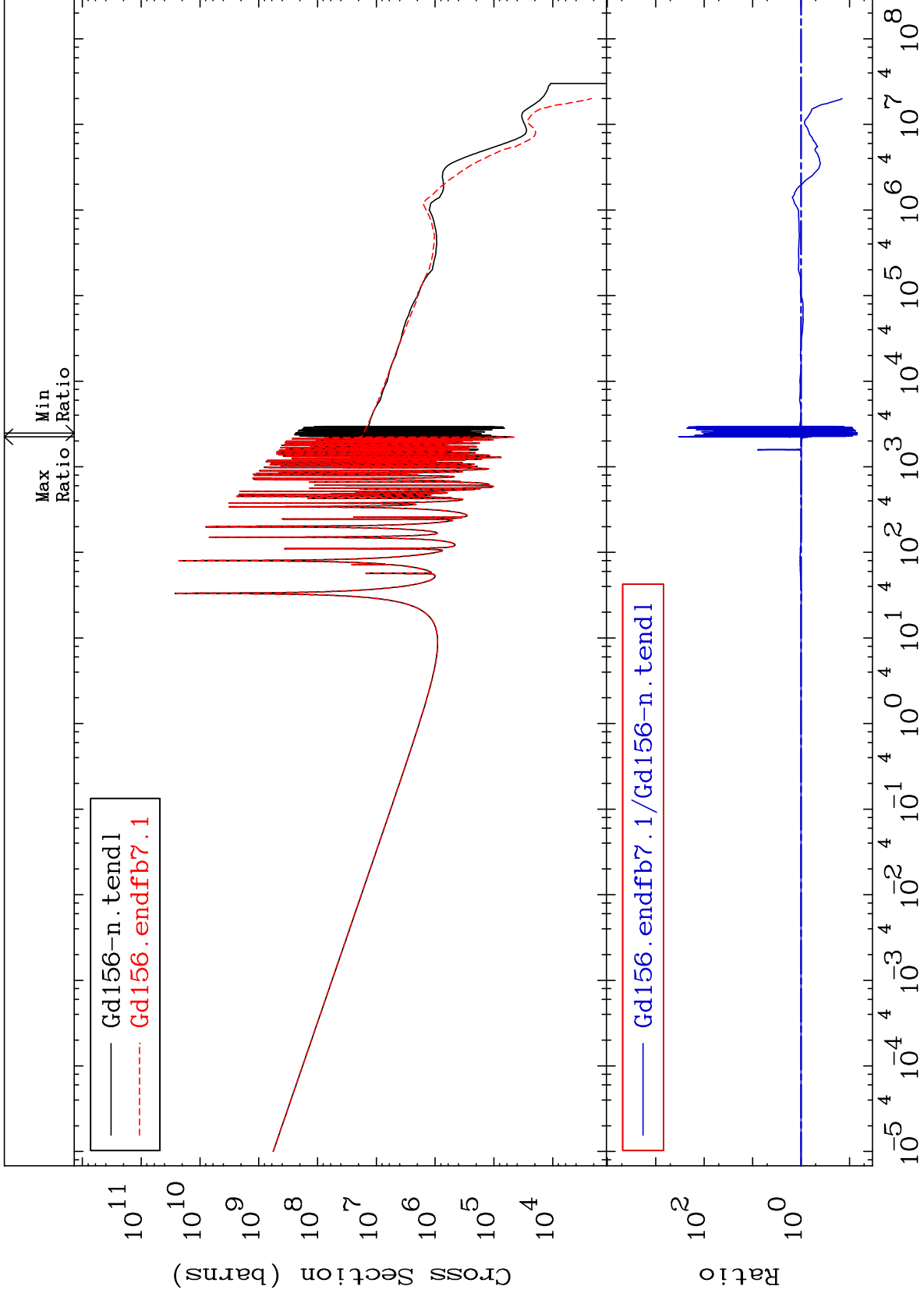


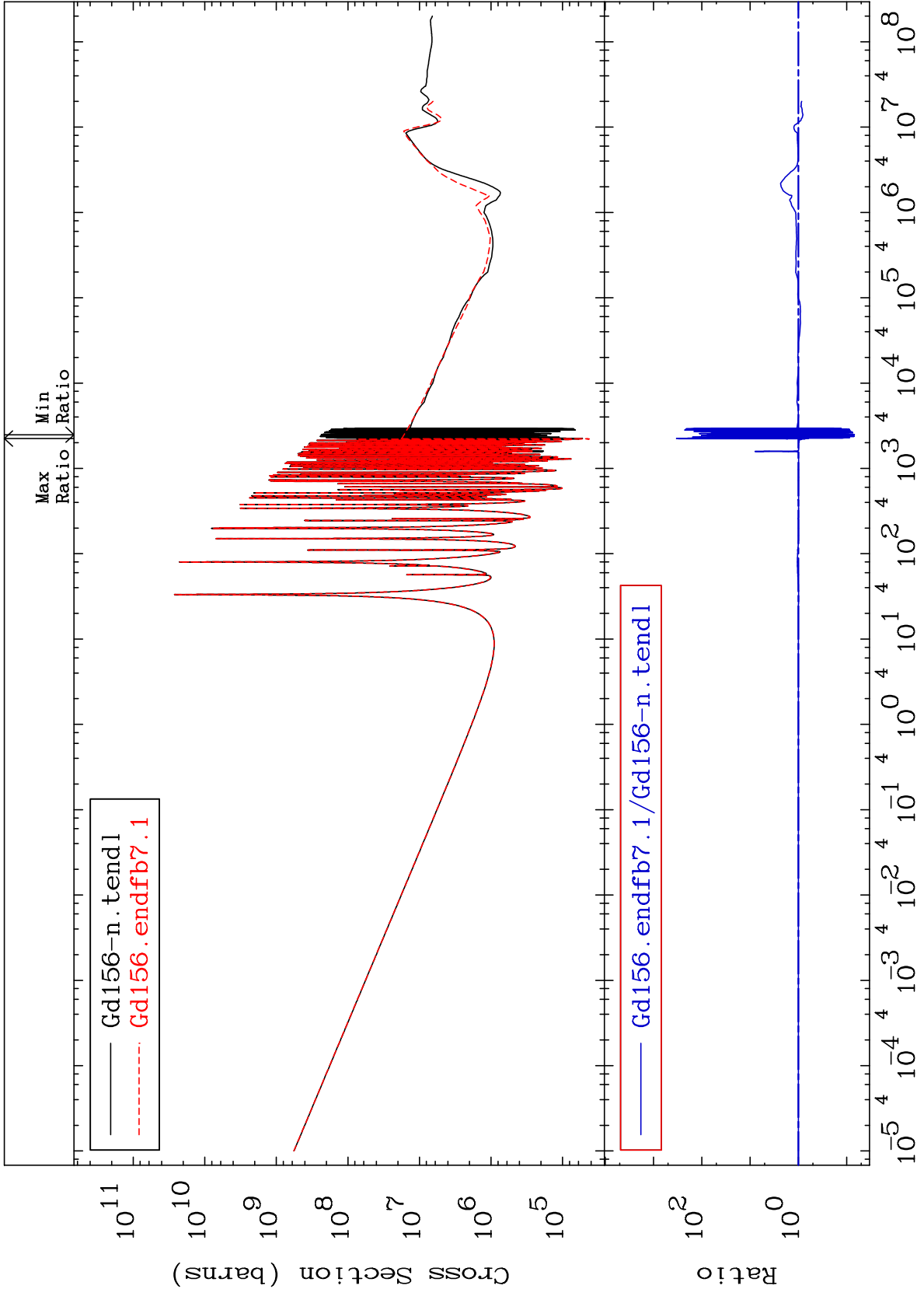
MAT 6437

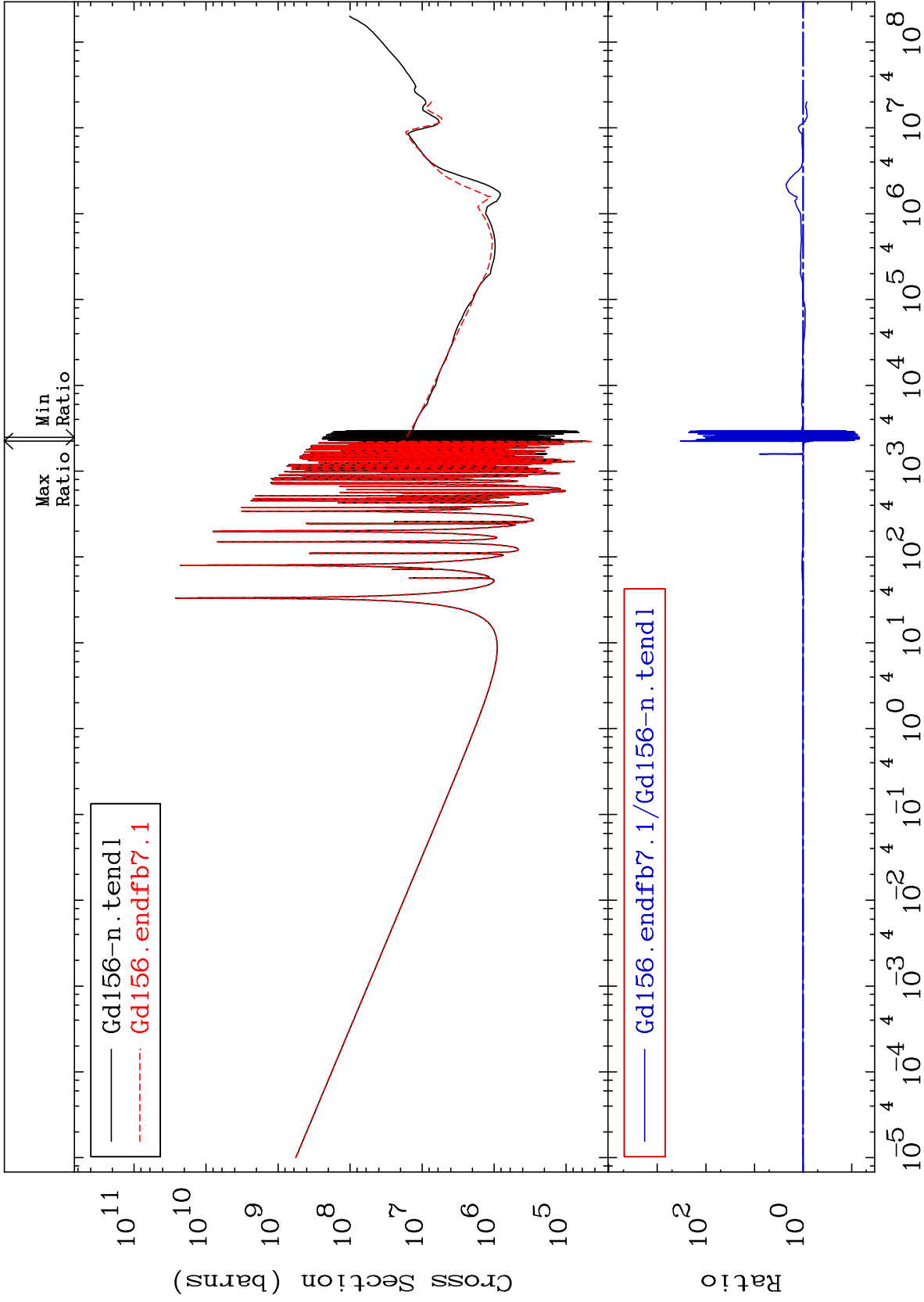
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

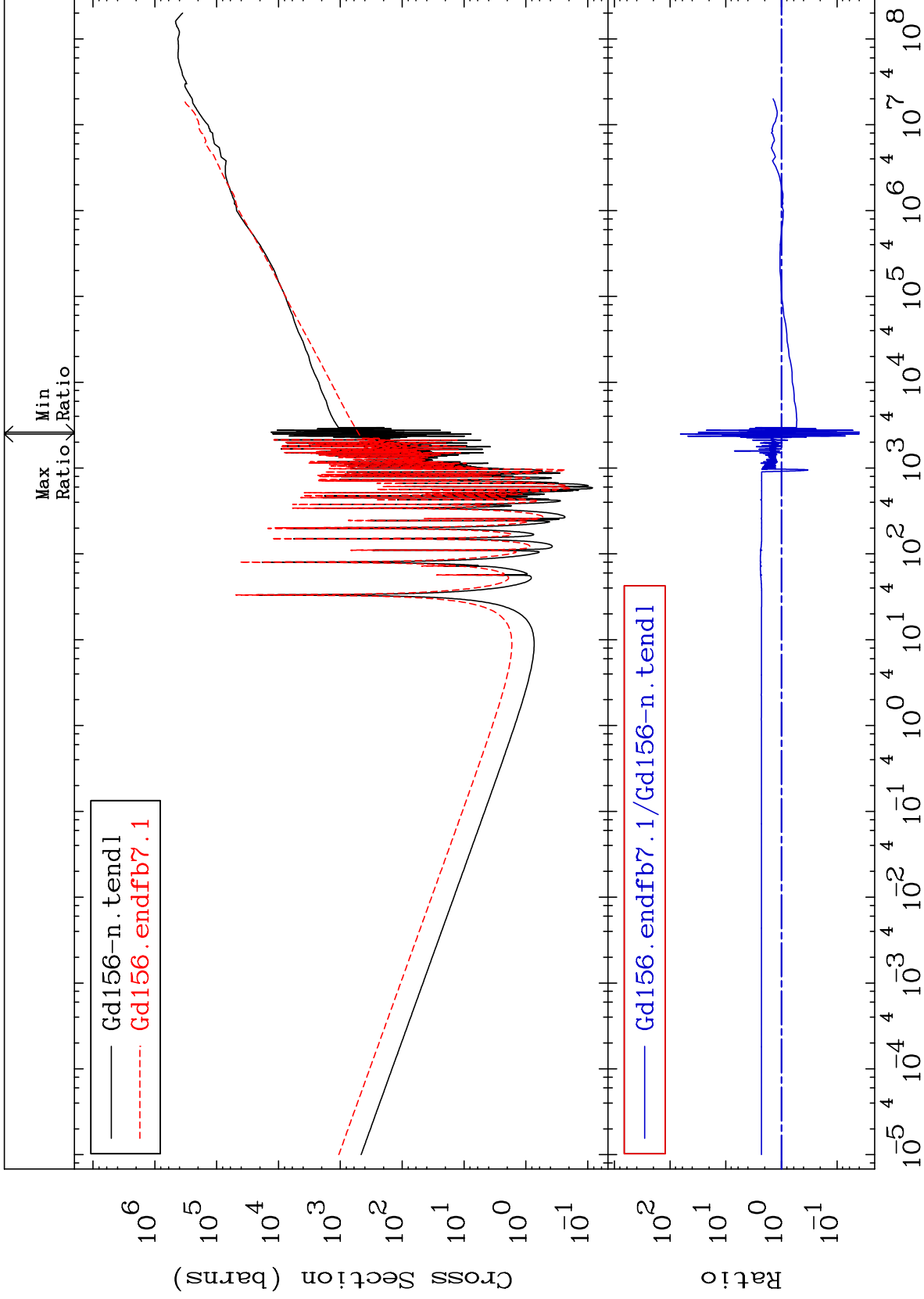
64-Gd-156
-63.47 To 74.55 %











MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-98.33 To 9755. %

