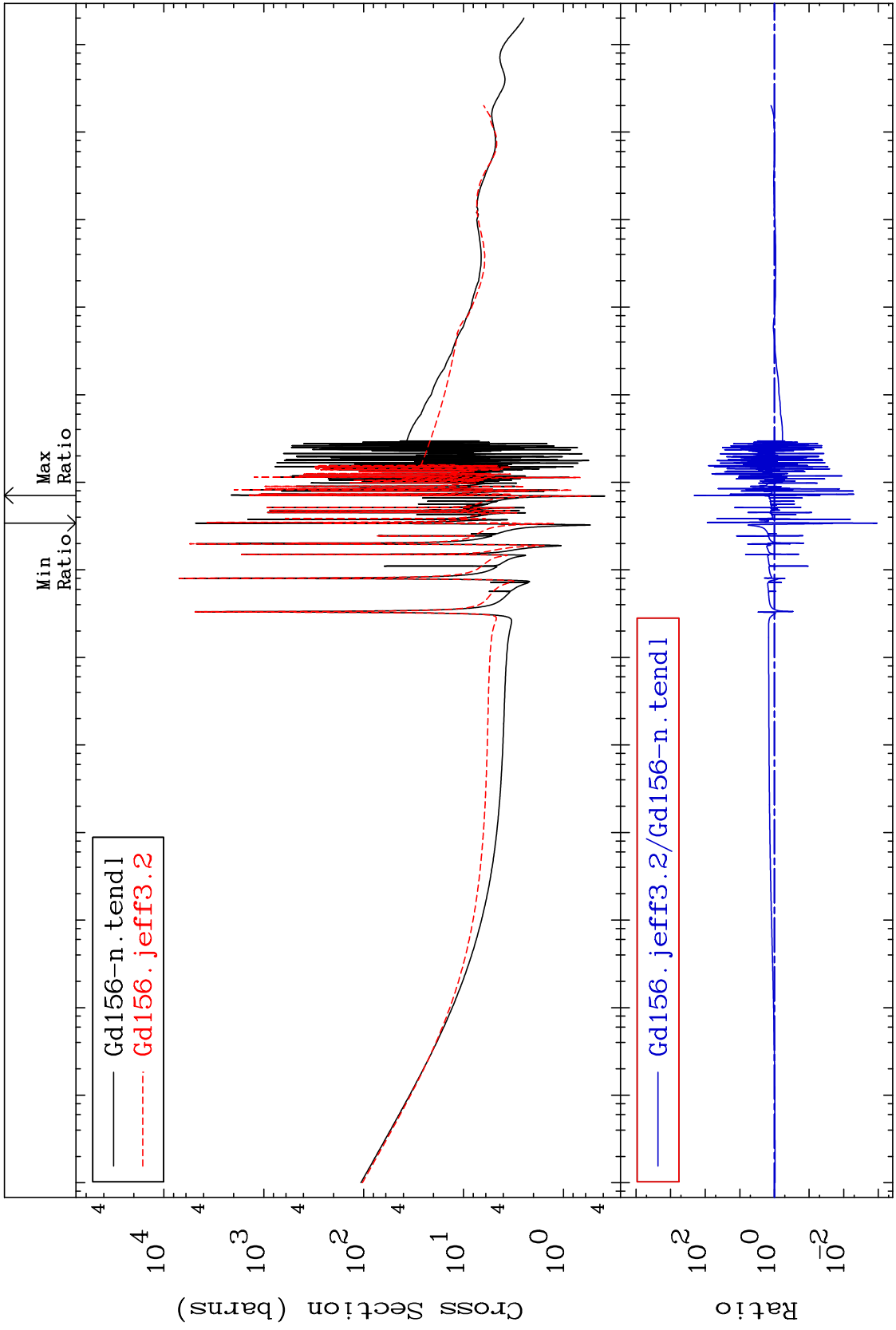


MAT 6437

Total
Cross Section

64-Gd-156
-99.89 To 9999. %



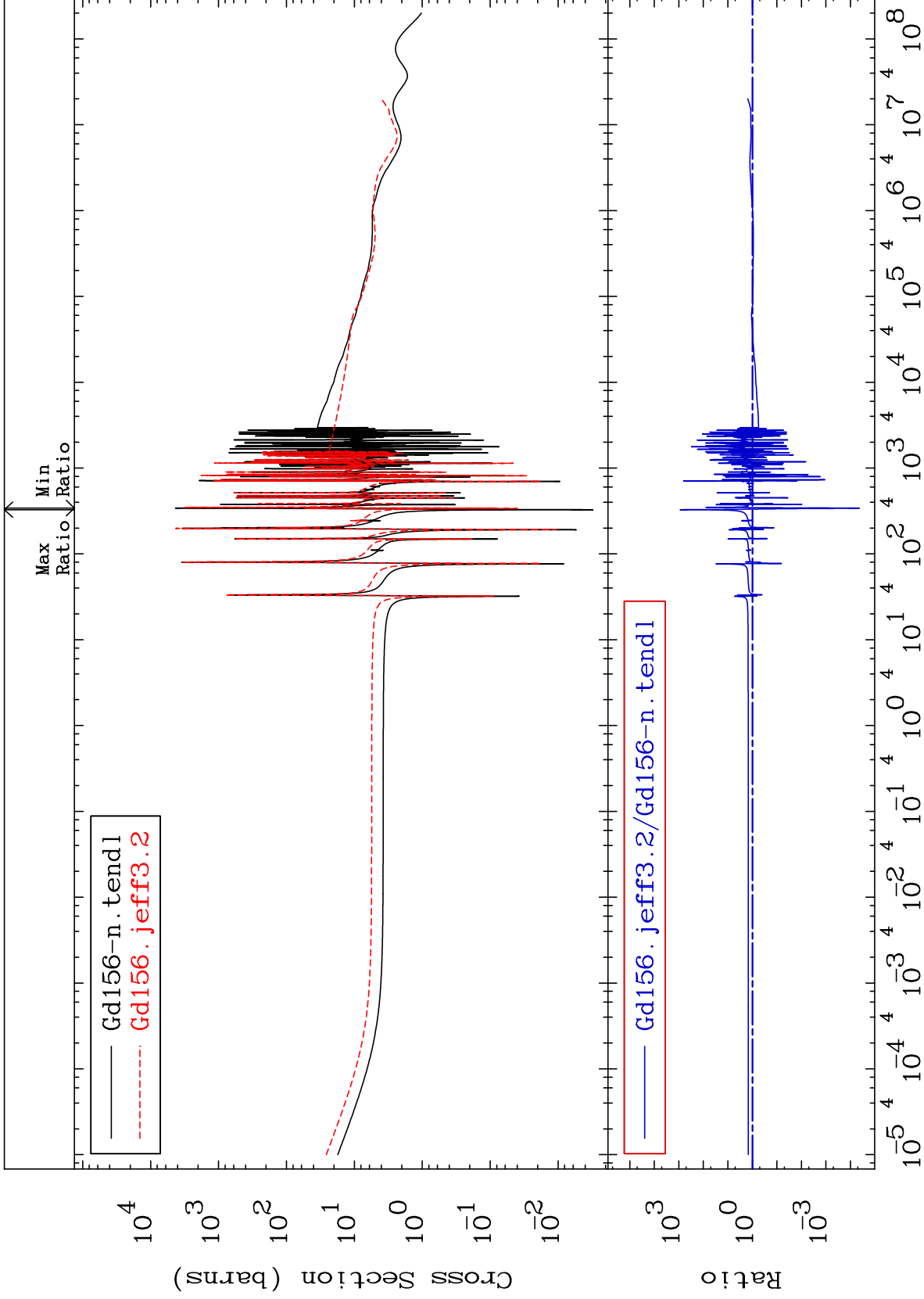
Incident Energy (eV)

64-Gd-156

MAT 6437

Elastic
Cross Section

64-Gd-156
-100.0 To 9999. %



2

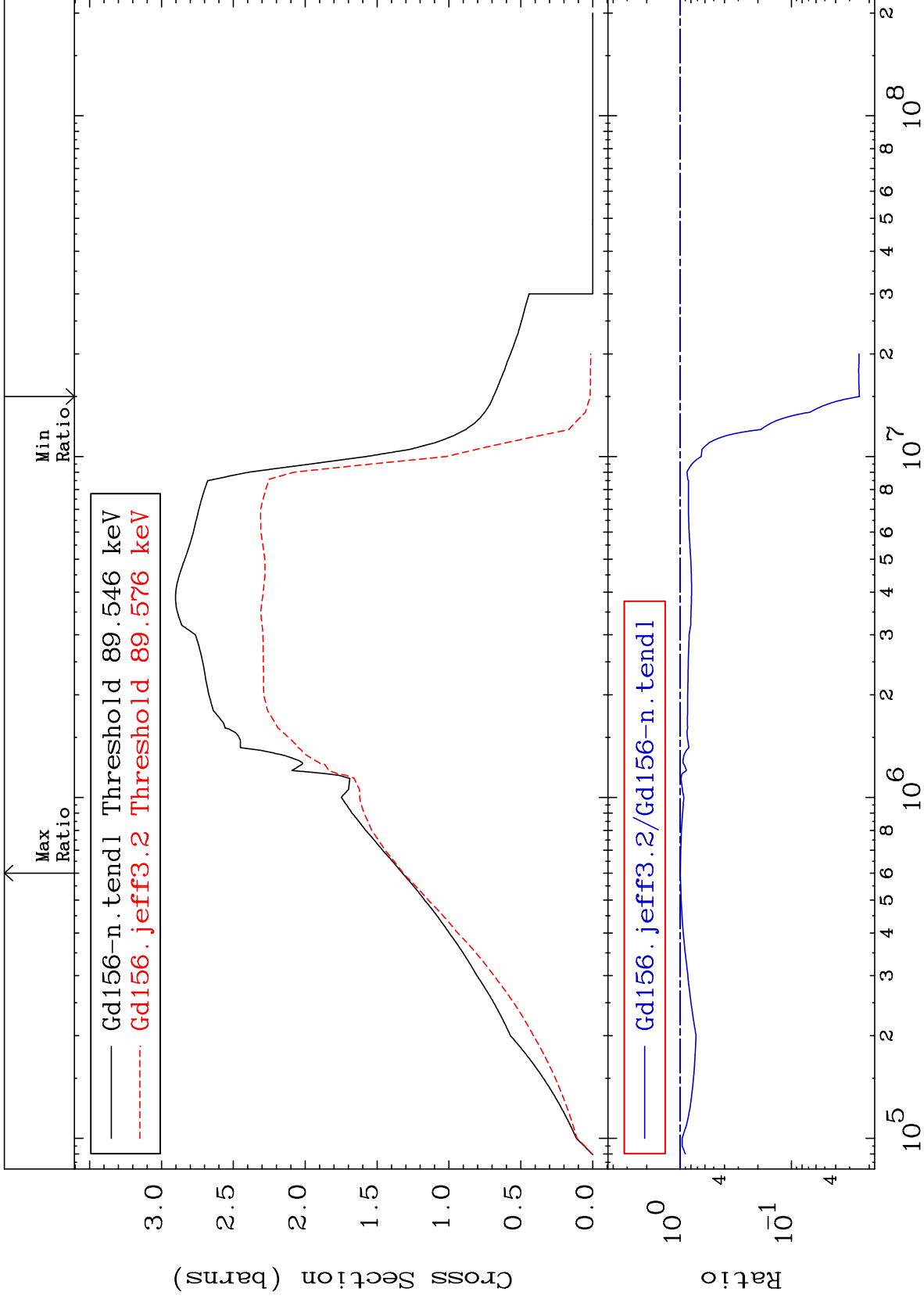
Incident Energy (eV)

64-Gd-156

MAT 6437

Inelastic
Cross Section

64-Gd-156
-97.55 To -0.449%



3

Incident Energy (eV)

64-Gd-156

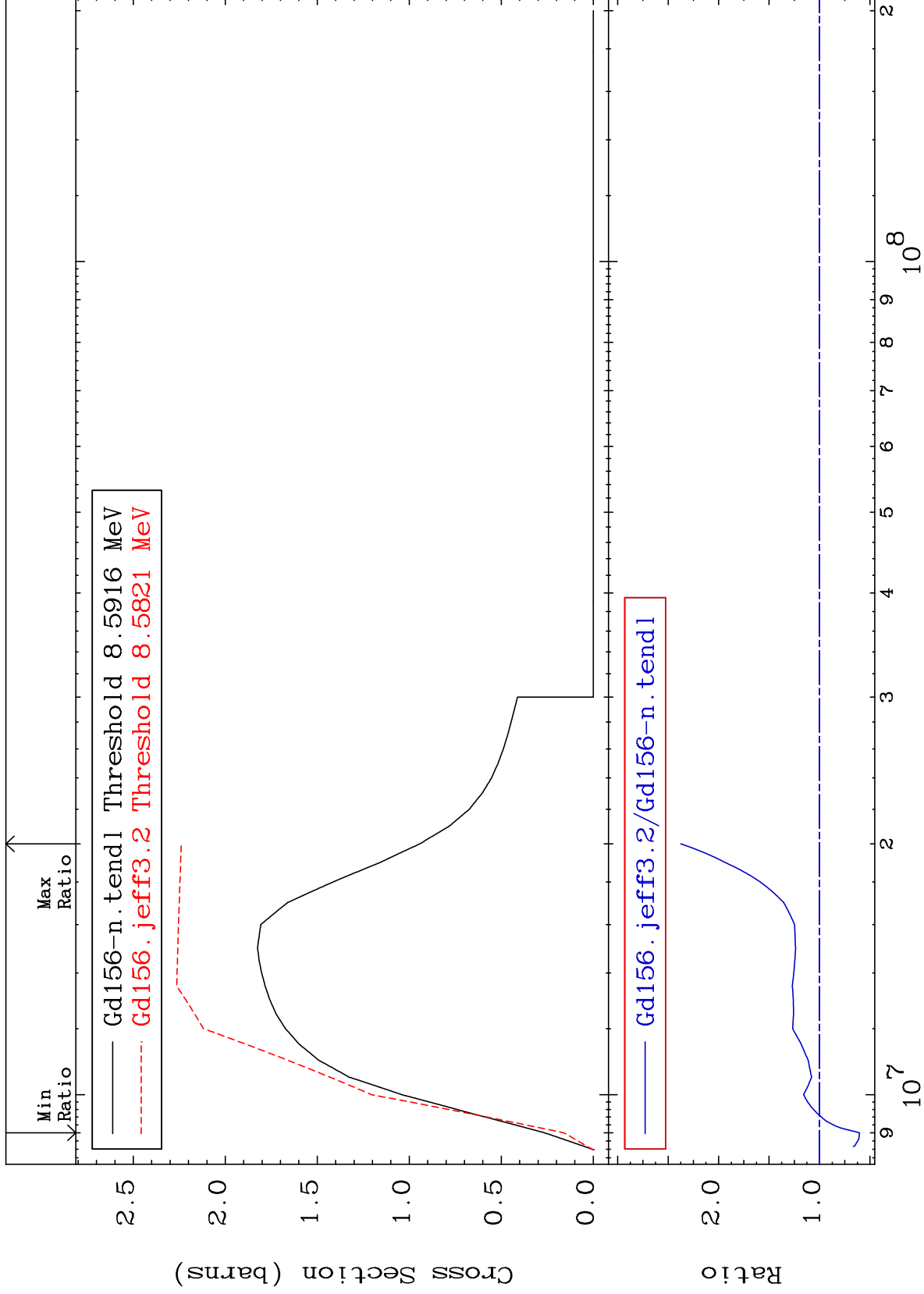
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-39.62 To 137.5 %



4

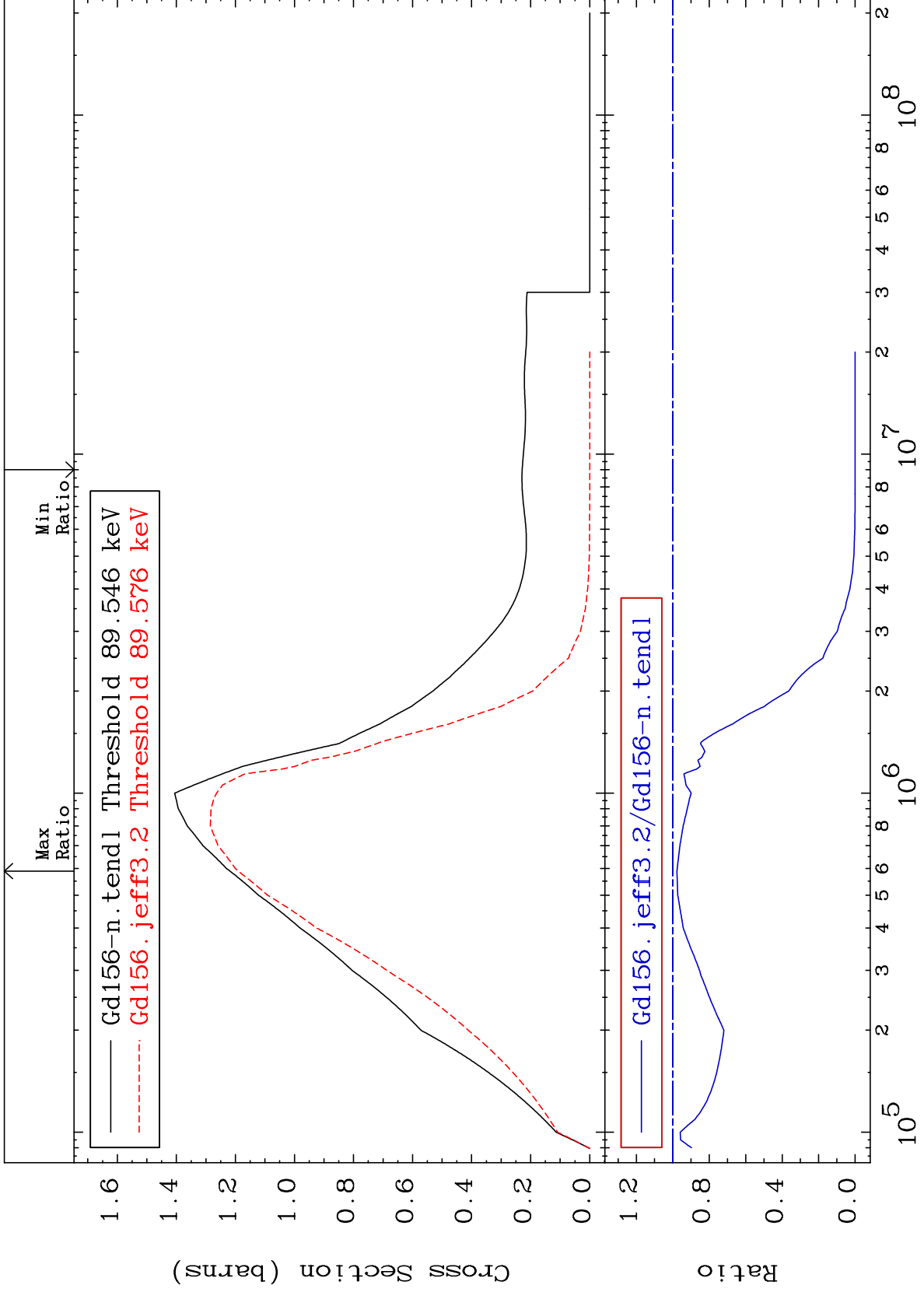
Incident Energy (eV)

64-Gd-156

MAT 6437

88.97 keV (n,n') Level
Cross Section

64-Gd-156
-100.0 To -2.271%



5

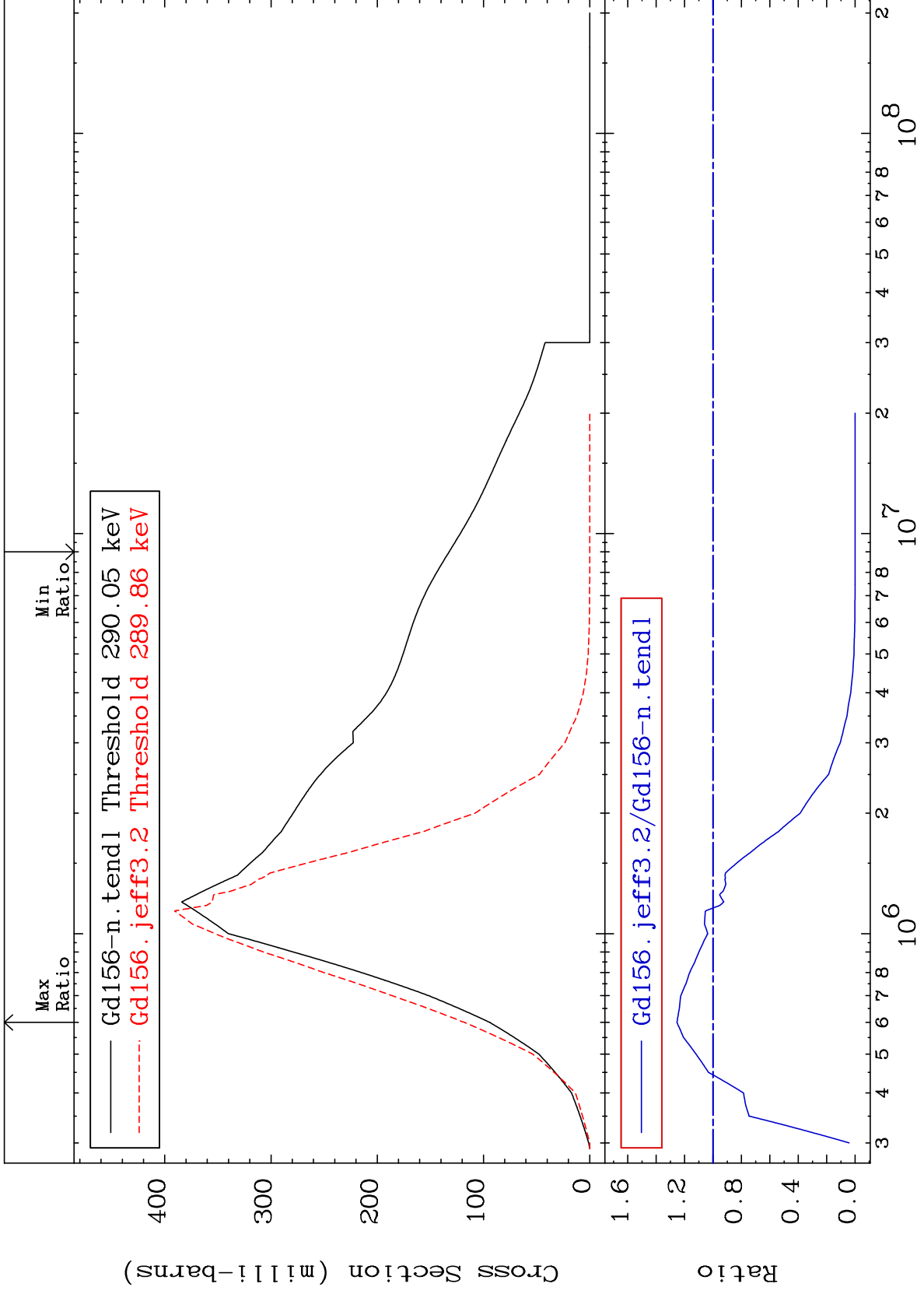
Incident Energy (eV)

64-Gd-156

MAT 6437

288.2 keV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 25.42 %



6

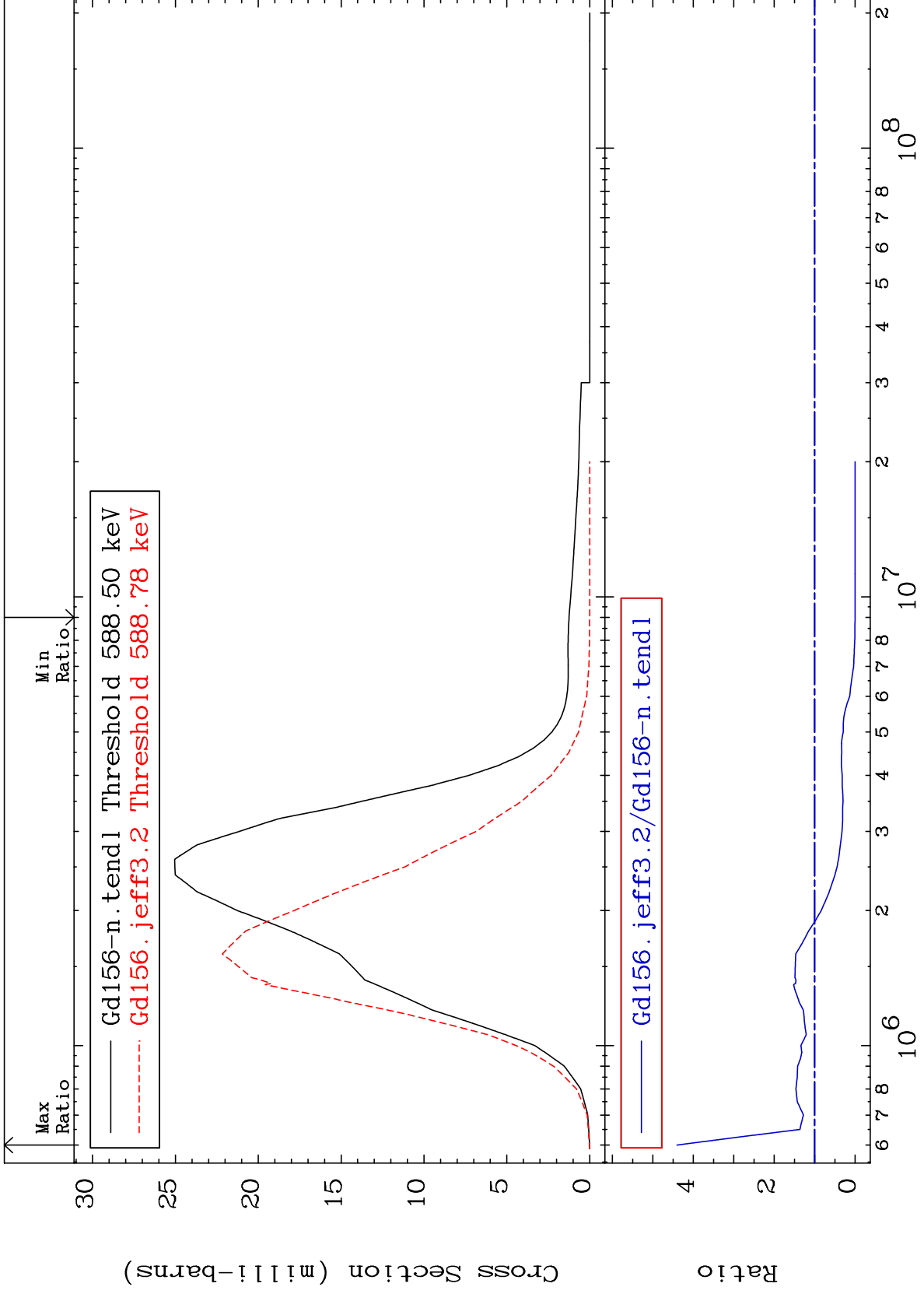
Incident Energy (eV)

64-Gd-156

MAT 6437

584.7 keV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 340.5 %



7

64-Gd-156

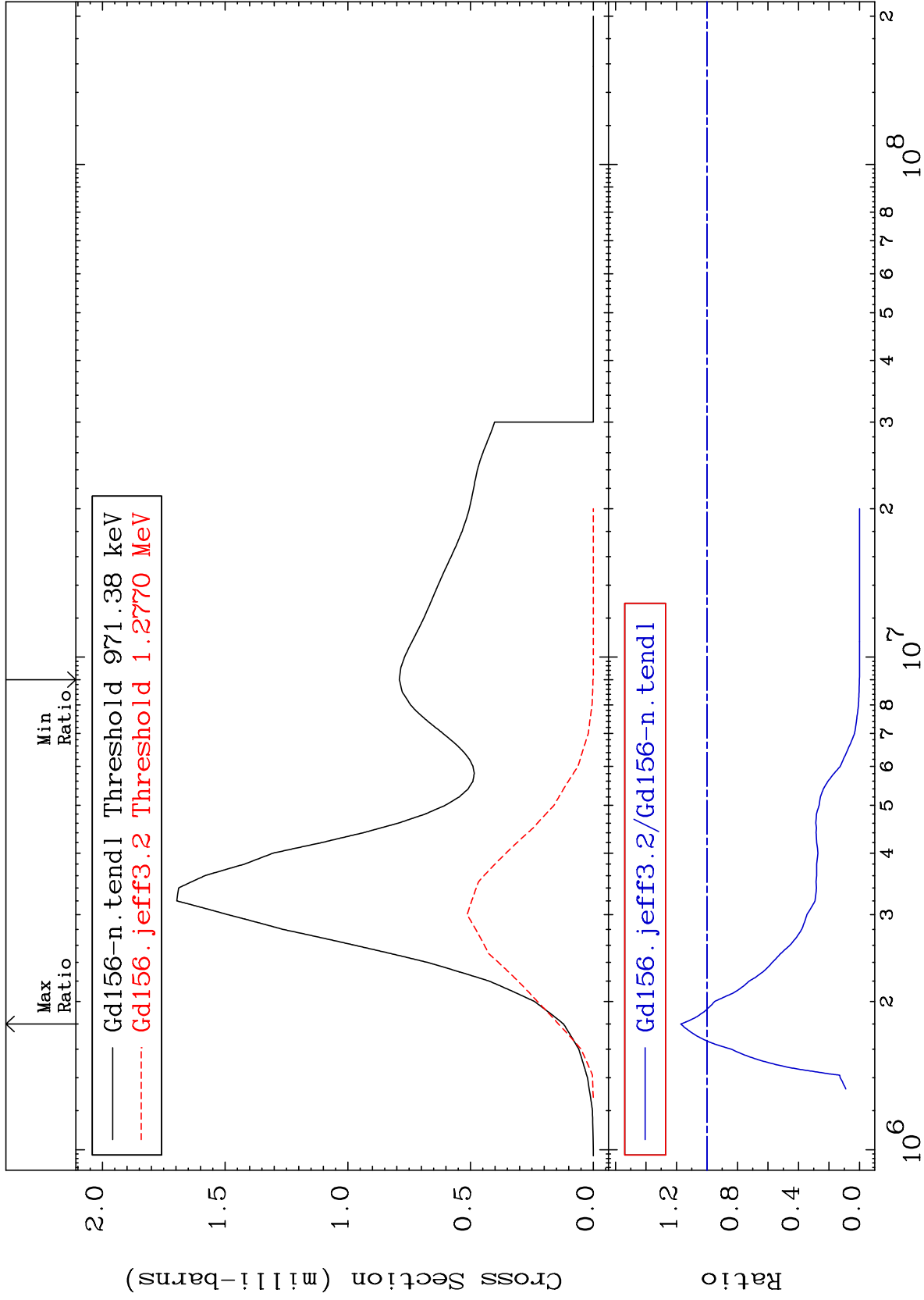
MAT 6437

965.1 keV (n,n') Level

64-Gd-156

-100.0 To 17.19 %

Cross Section



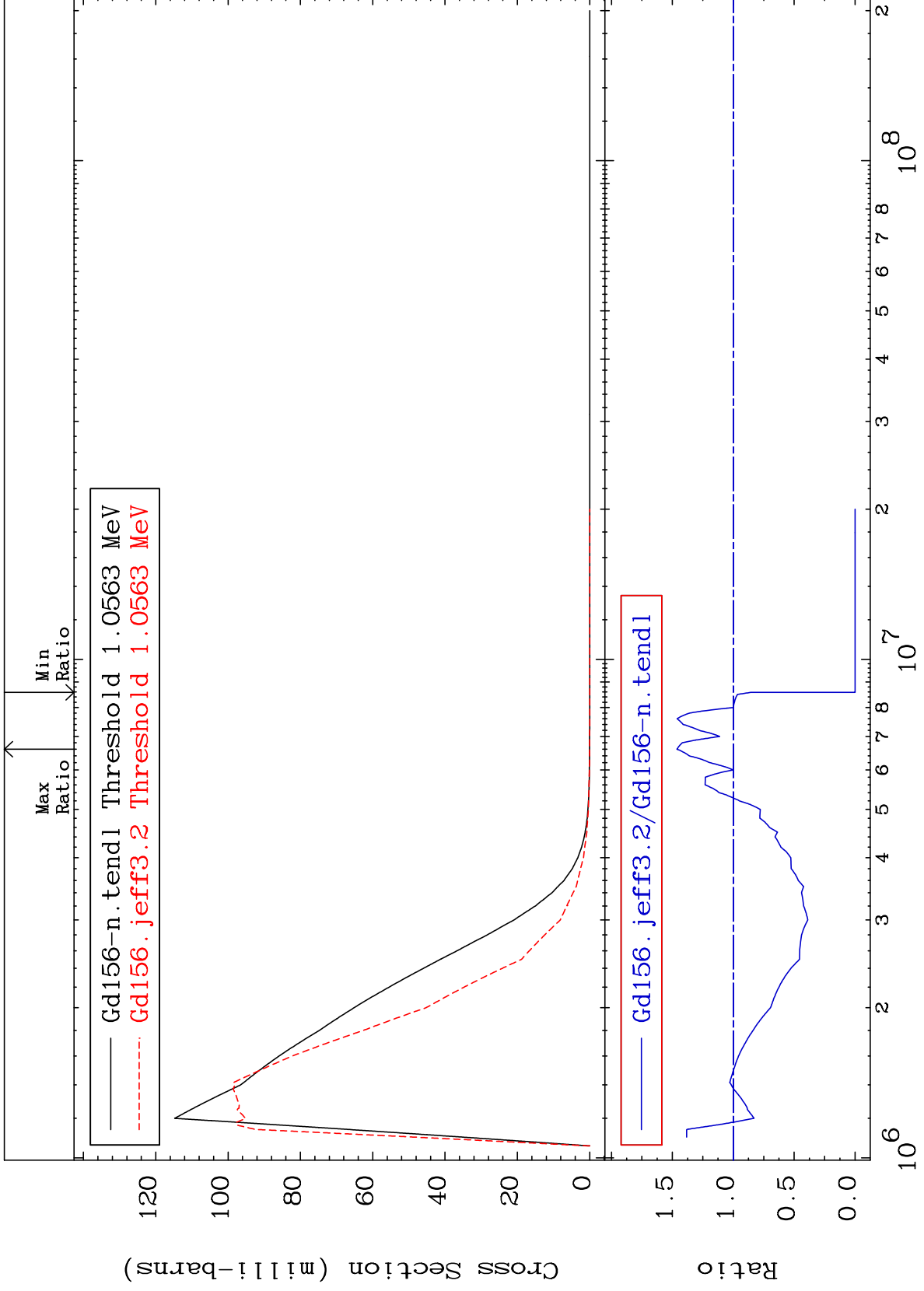
64-Gd-156

64-Gd-156

MAT 6437

1.049 MeV (n,n') Level
Cross Section

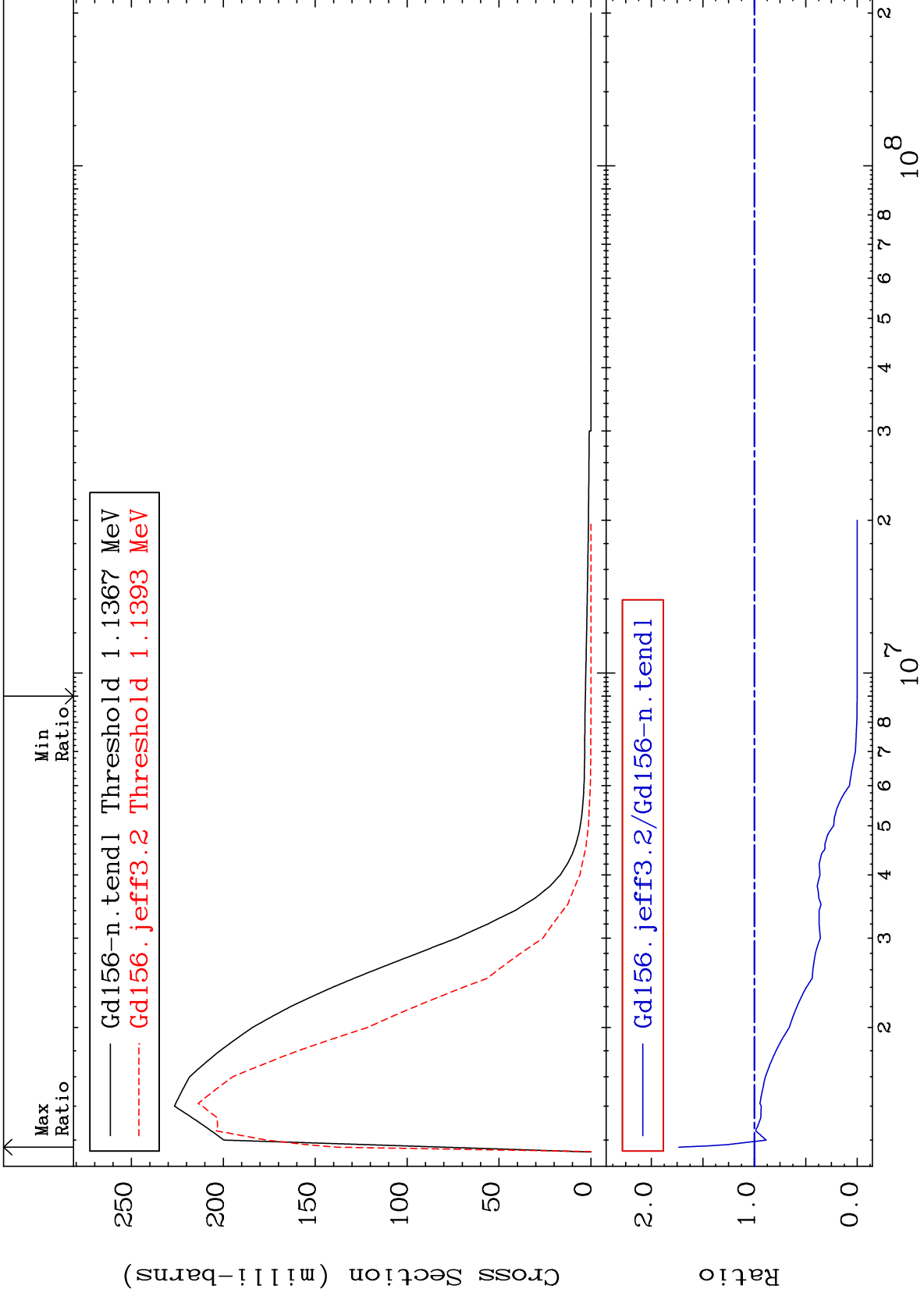
64-Gd-156
-100.0 To 46.26 %



MAT 6437

1.129 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 73.74 %



10

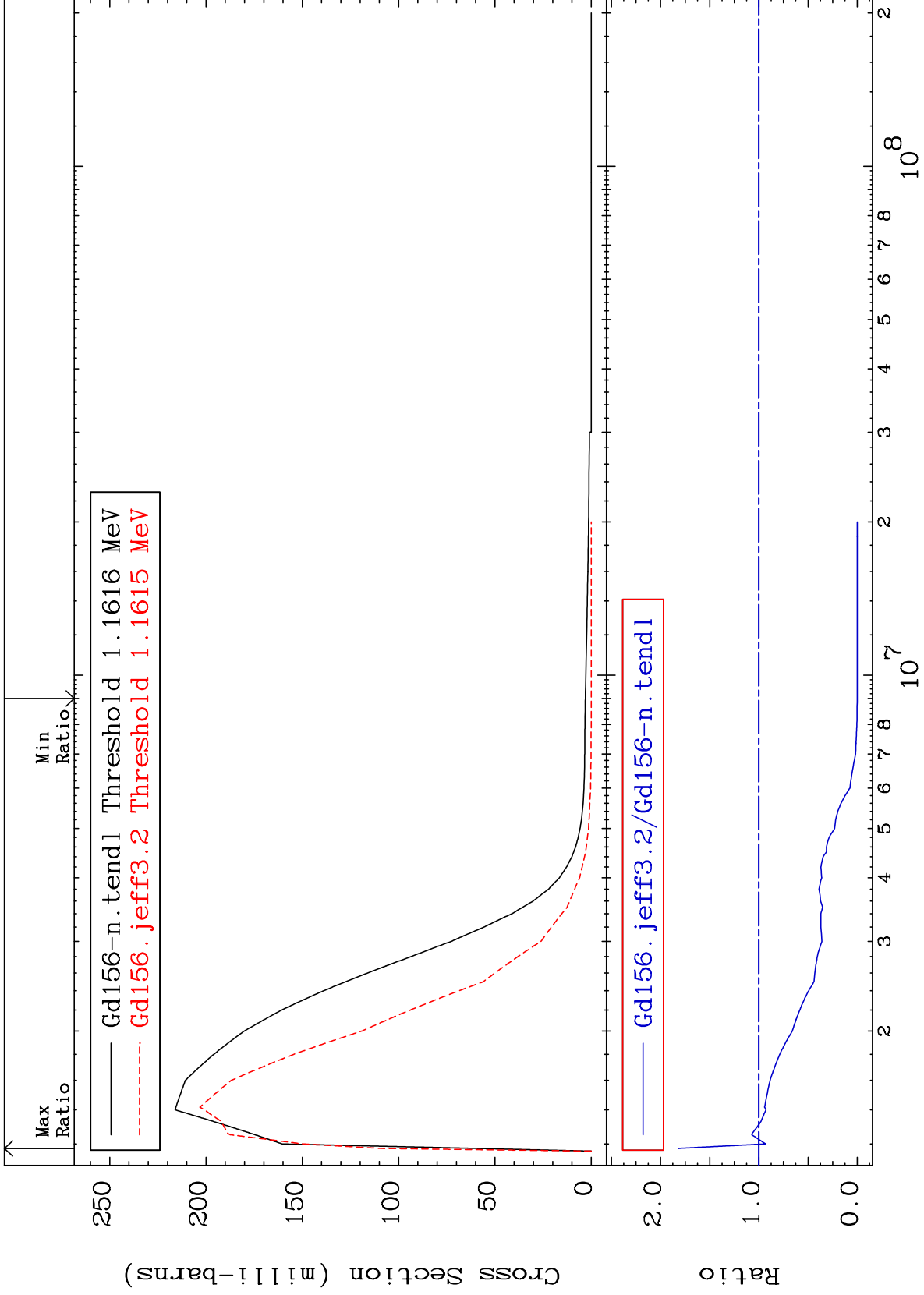
Incident Energy (eV)

64-Gd-156

MAT 6437

1.154 MeV (n,n') Level
Cross Section

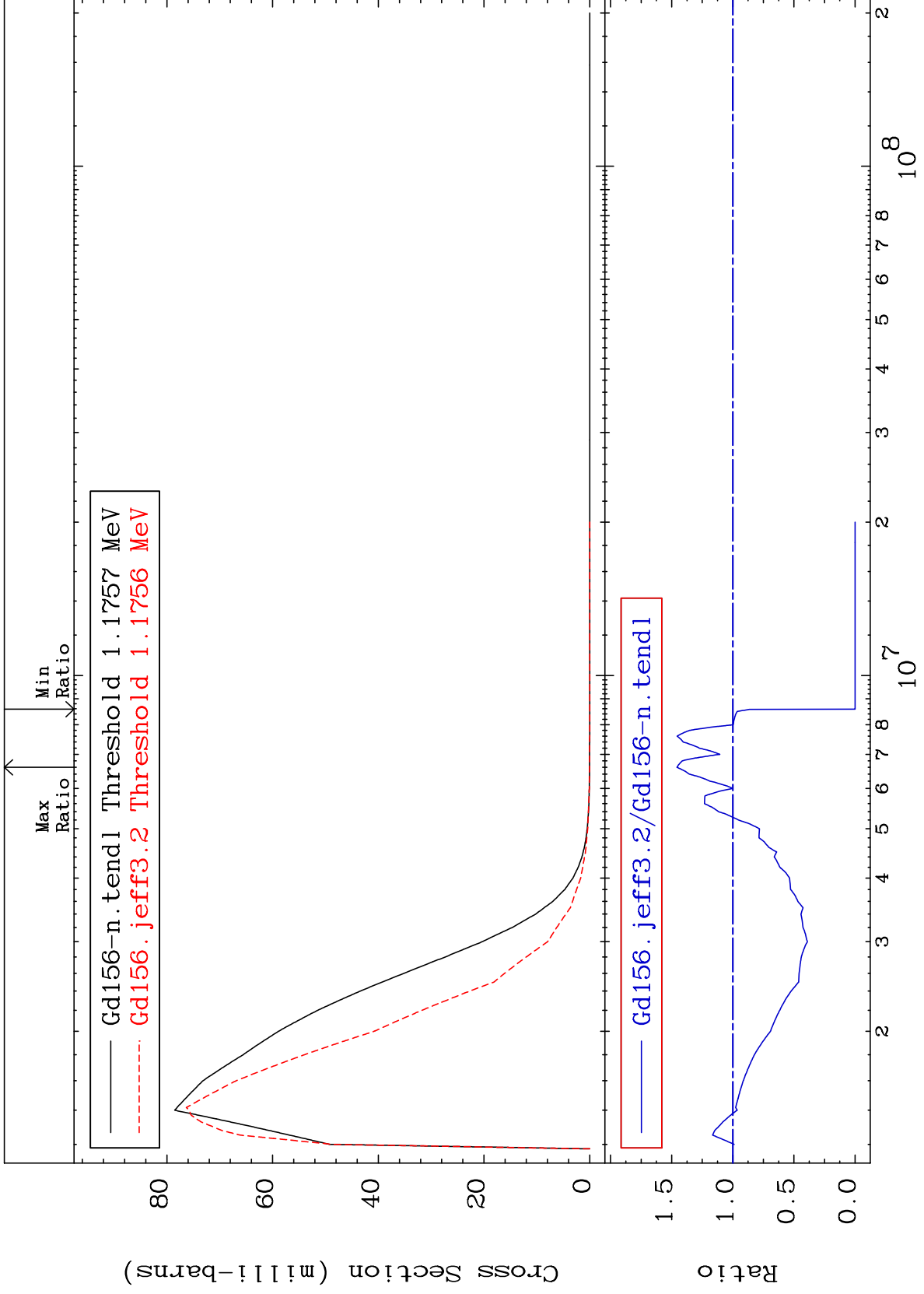
64-Gd-156
-100.0 To 81.62 %



MAT 6437

1.168 MeV (n,n') Level
Cross Section

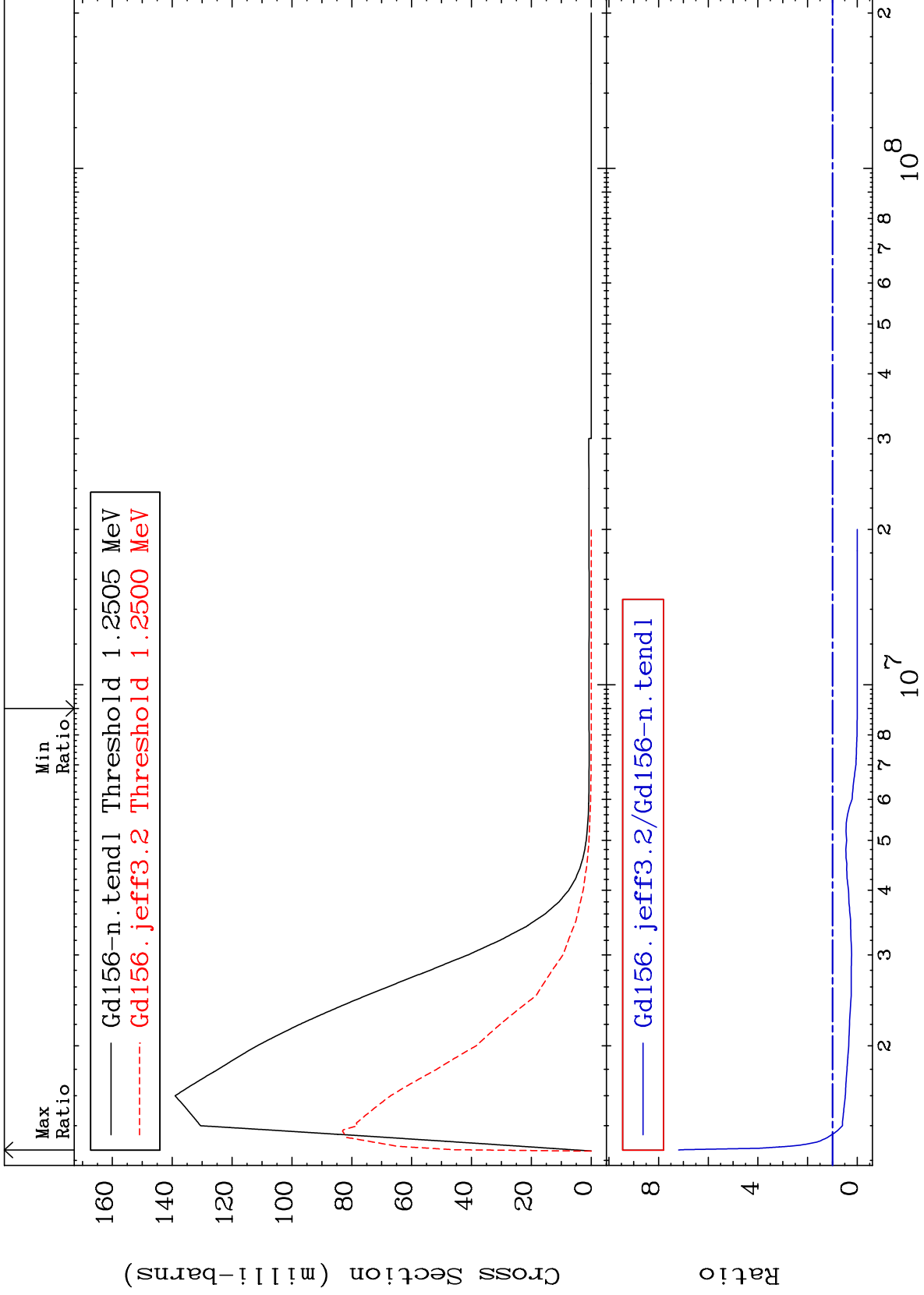
64-Gd-156
-100.0 To 45.70 %



MAT 6437

1.242 MeV (n,n') Level
Cross Section

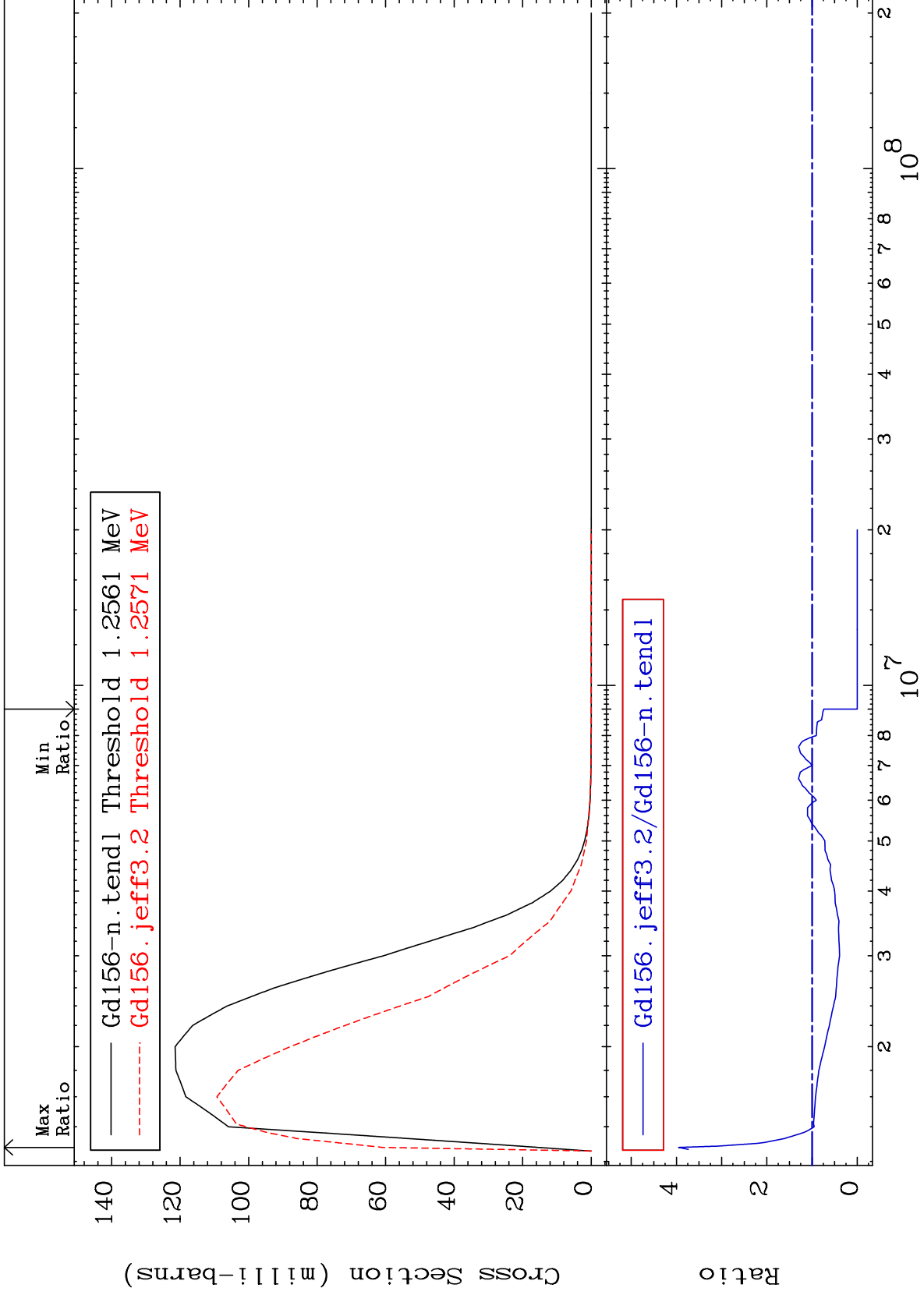
64-Gd-156
-100.0 To 619.2 %



MAT 6437

1.248 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 295.1 %



14

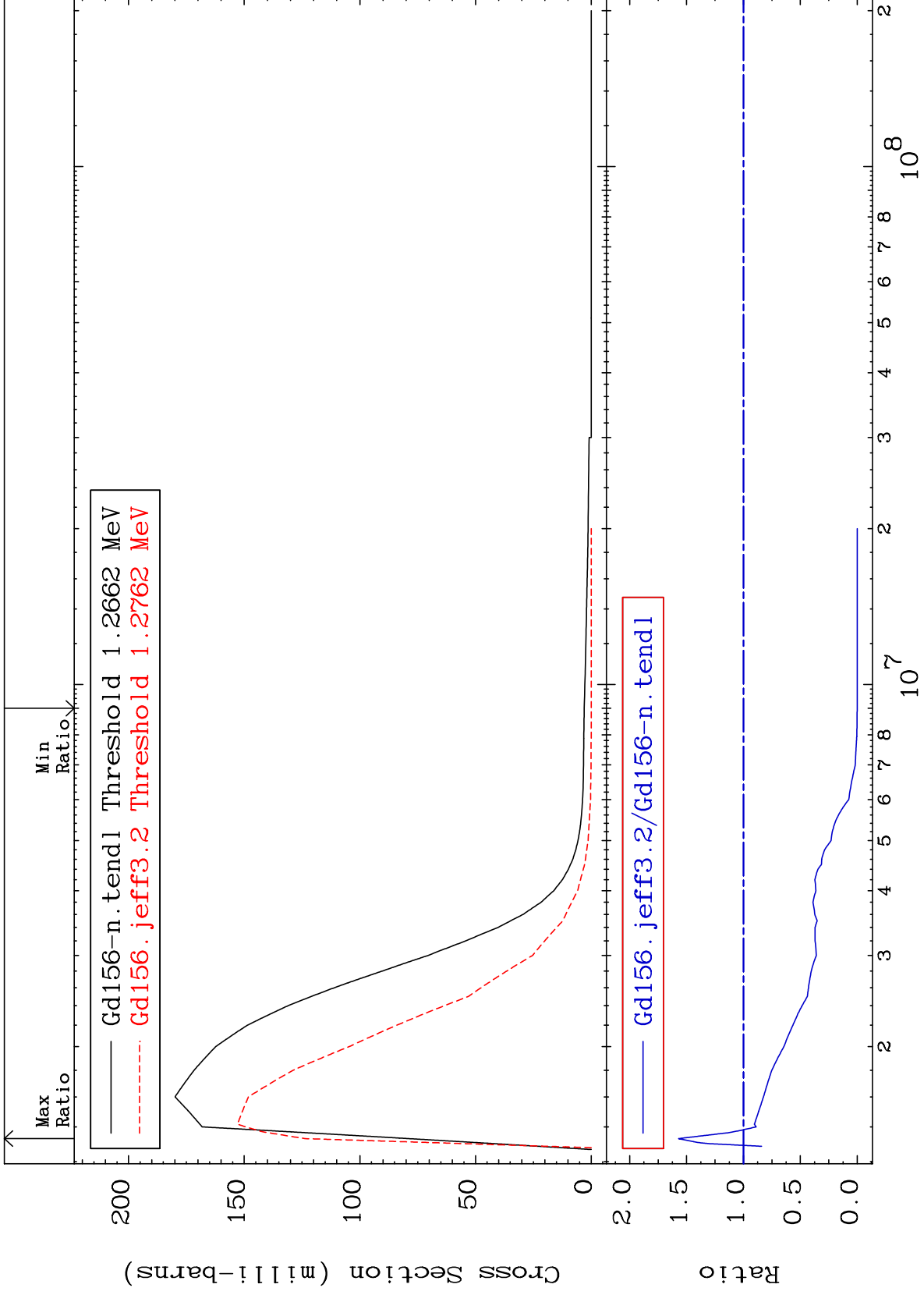
Incident Energy (eV)

64-Gd-156

MAT 6437

1.258 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To 56.97 %



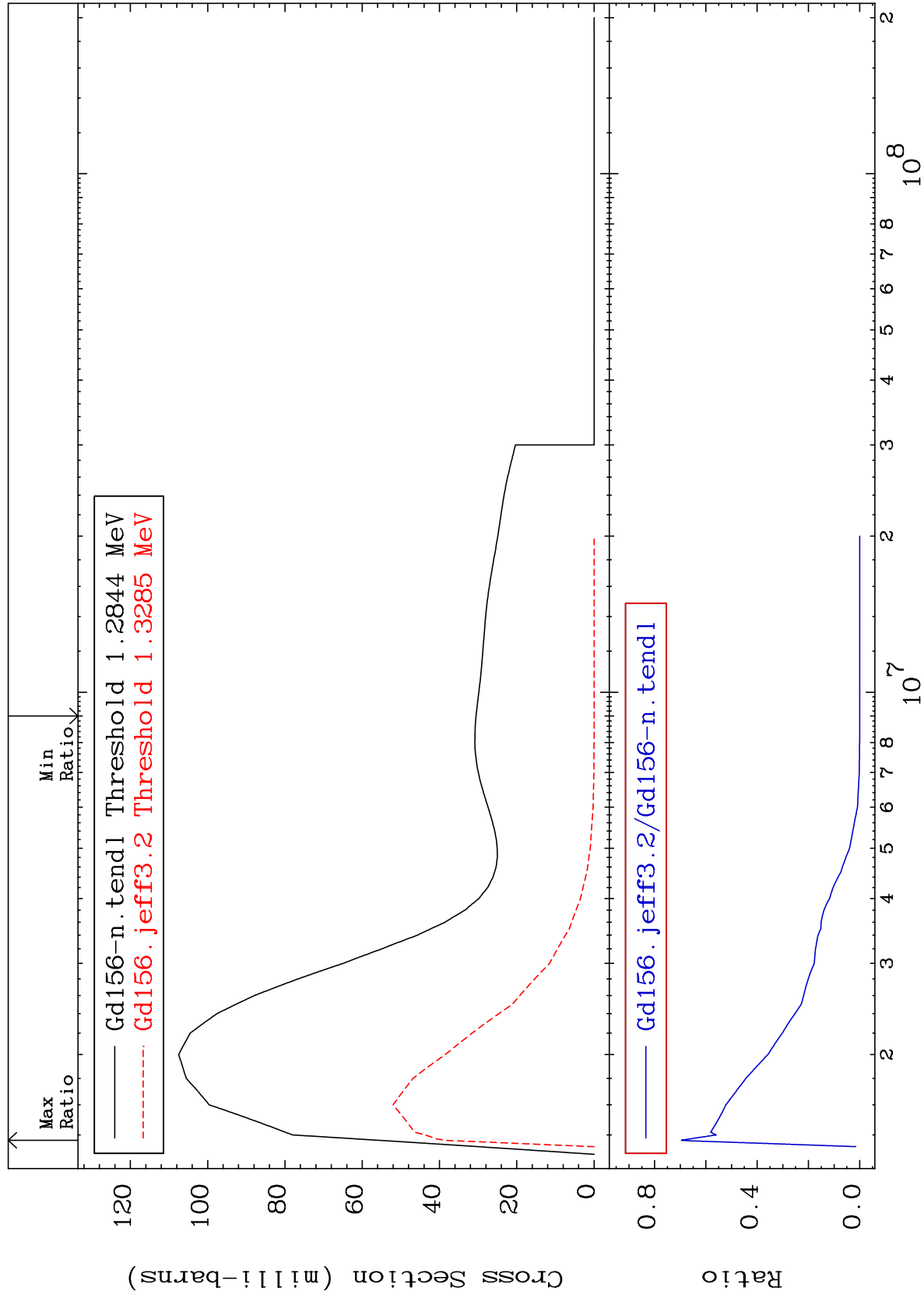
MAT 6437

1.276 MeV (n,n') Level

64-Gd-156

-100.0 To -30.44%

Cross Section



16

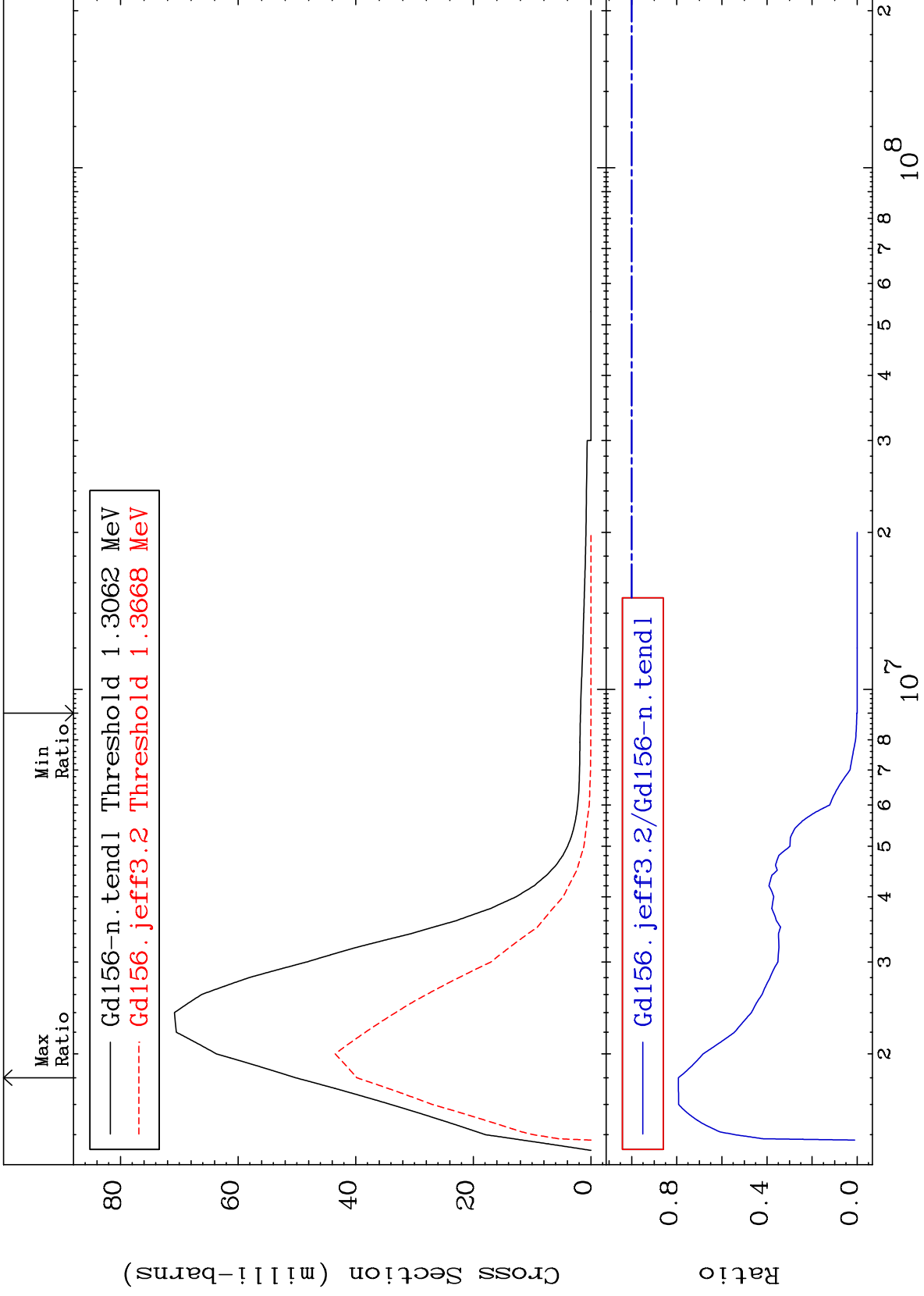
Incident Energy (eV)

64-Gd-156

MAT 6437

1.298 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To -20.73%



17

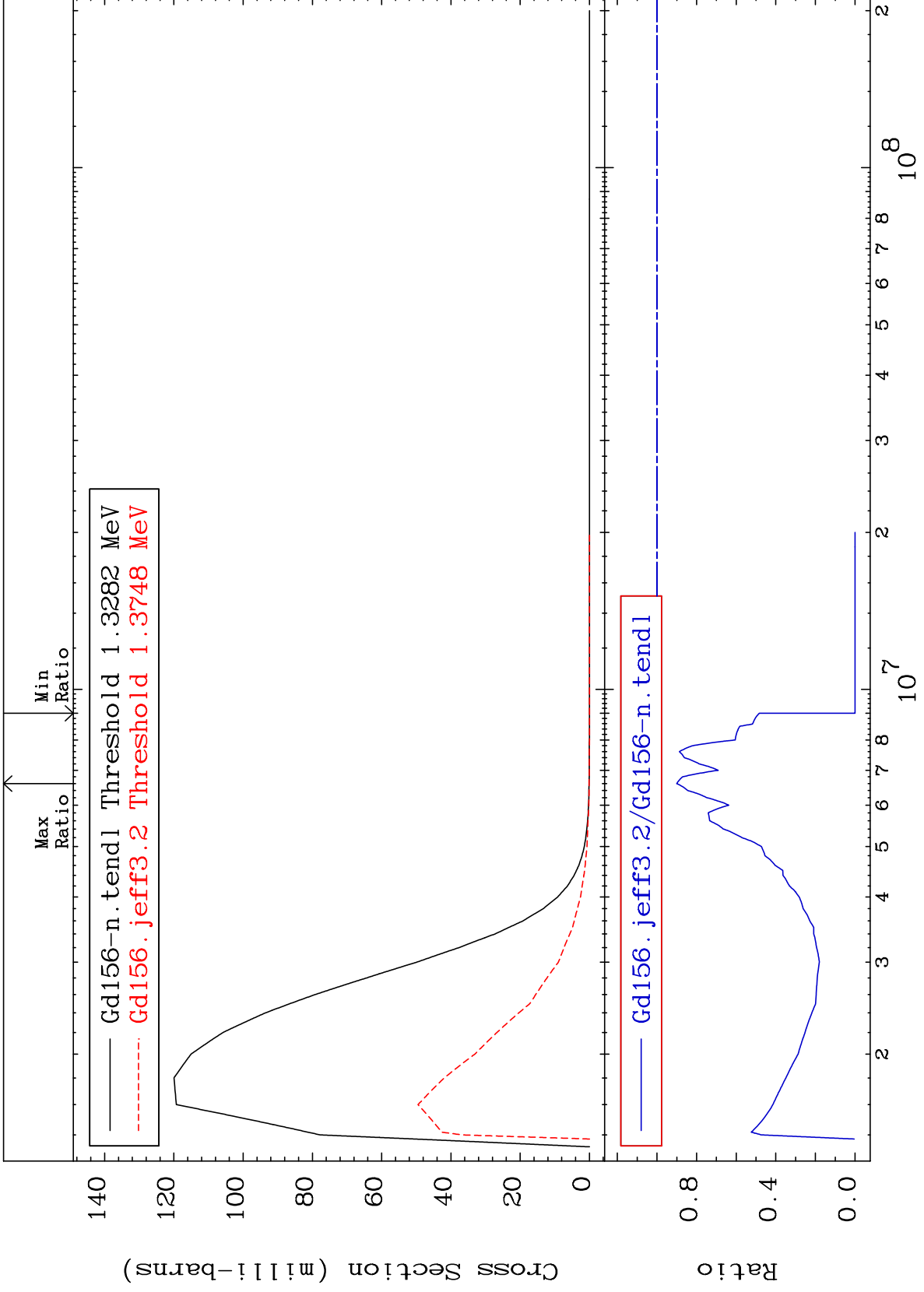
Incident Energy (eV)

64-Gd-156

MAT 6437

1.320 MeV (n,n') Level
Cross Section

64-Gd-156
-100.0 To -9.965%



18

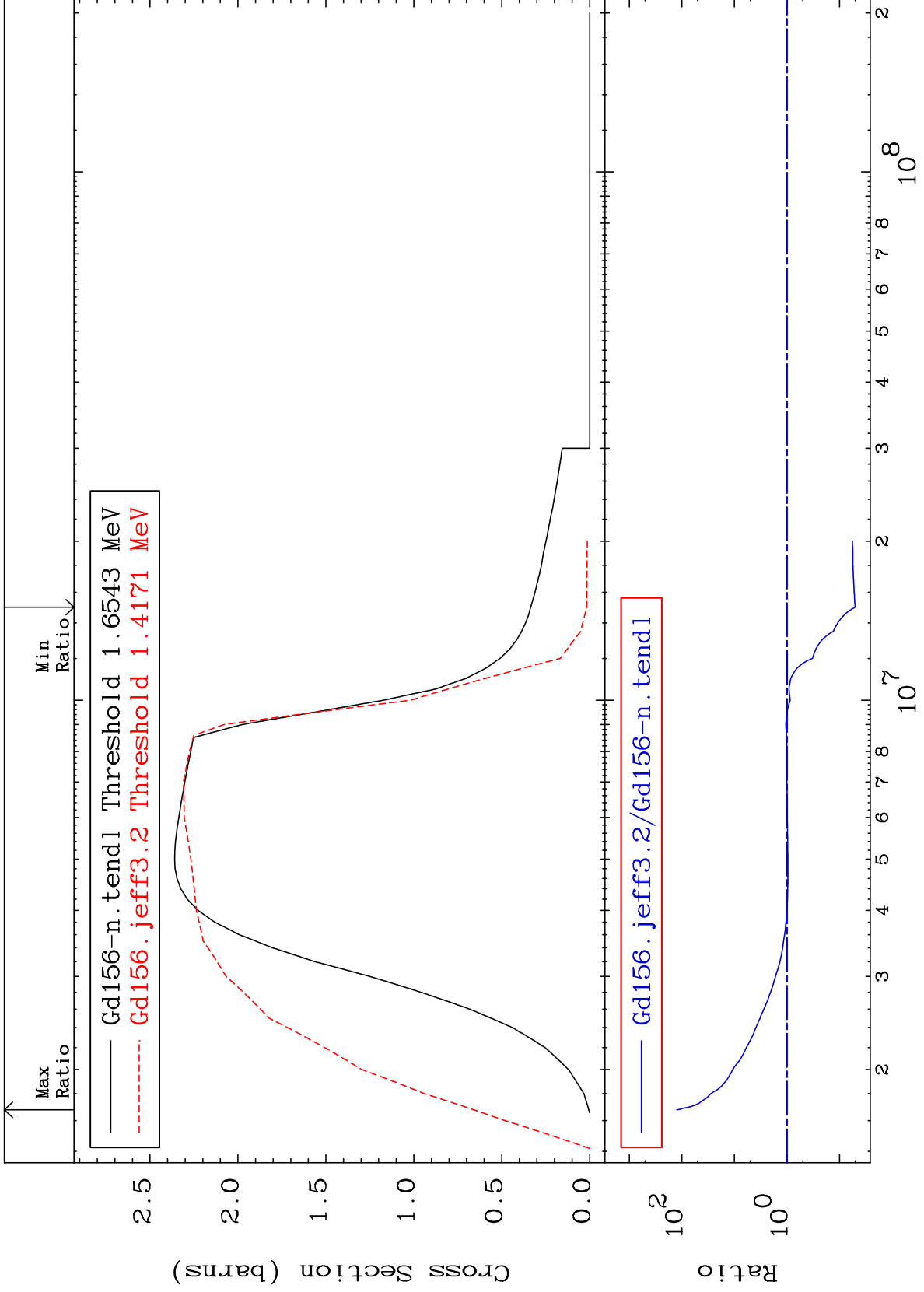
Incident Energy (eV)

64-Gd-156

MAT 6437

(n, n') Continuum
Cross Section

64-Gd-156
-94.96 To 9999. %

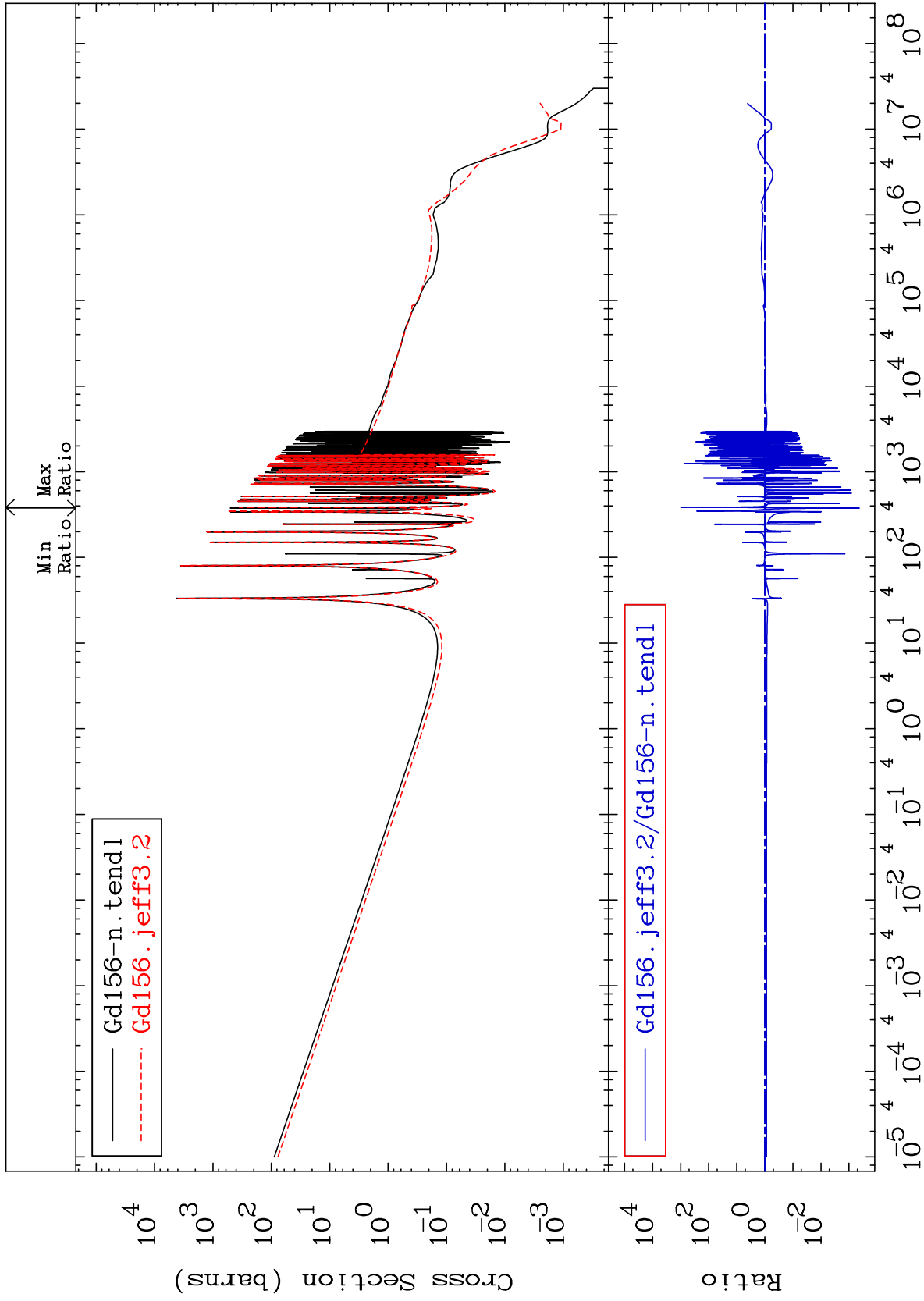


MAT 6437

64-Gd-156

-99.96 To 9999. %

(n, γ)
Cross Section



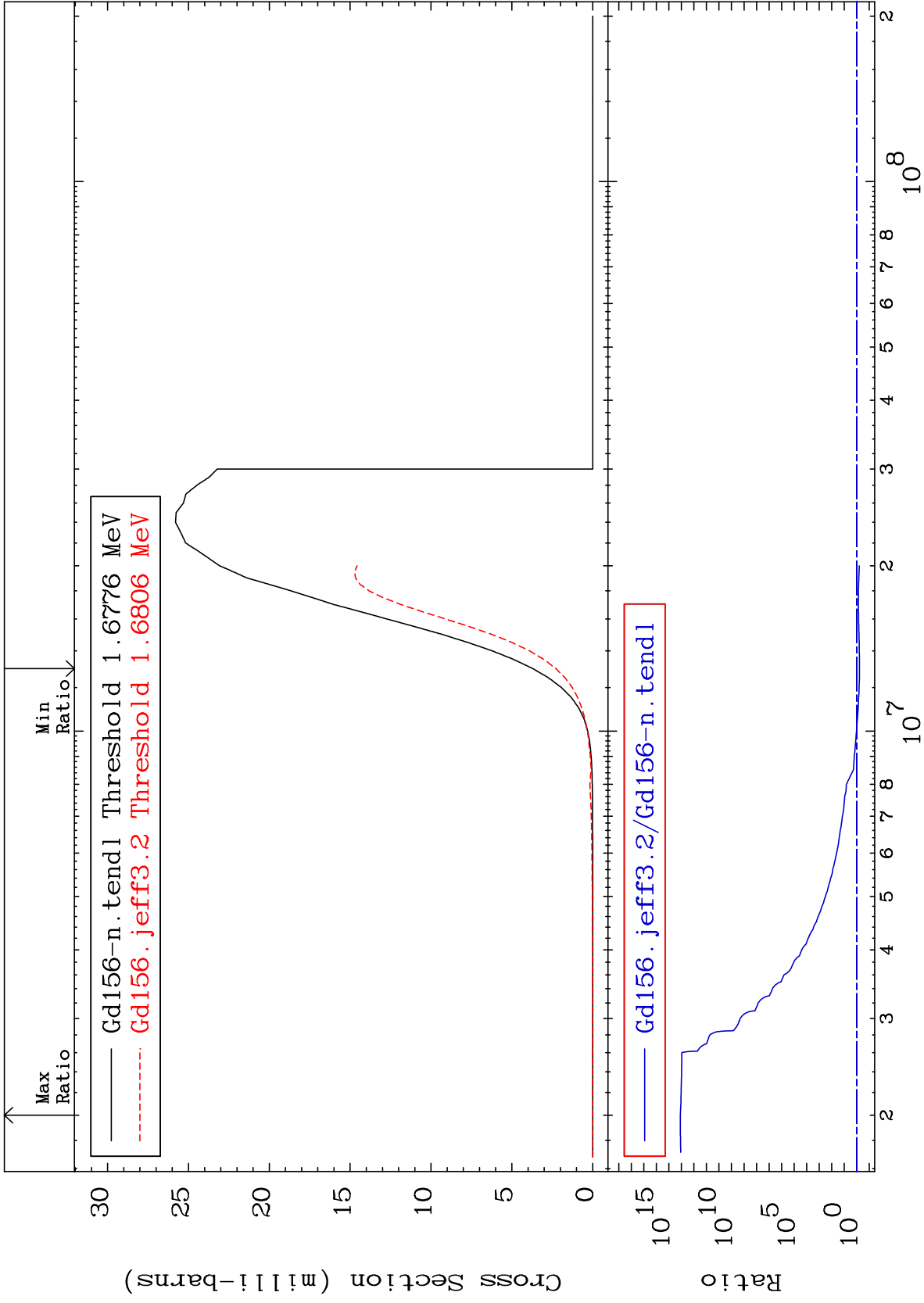
MAT 6437

(n,p)

64-Gd-156

Cross Section

-38.57 To 9999. %



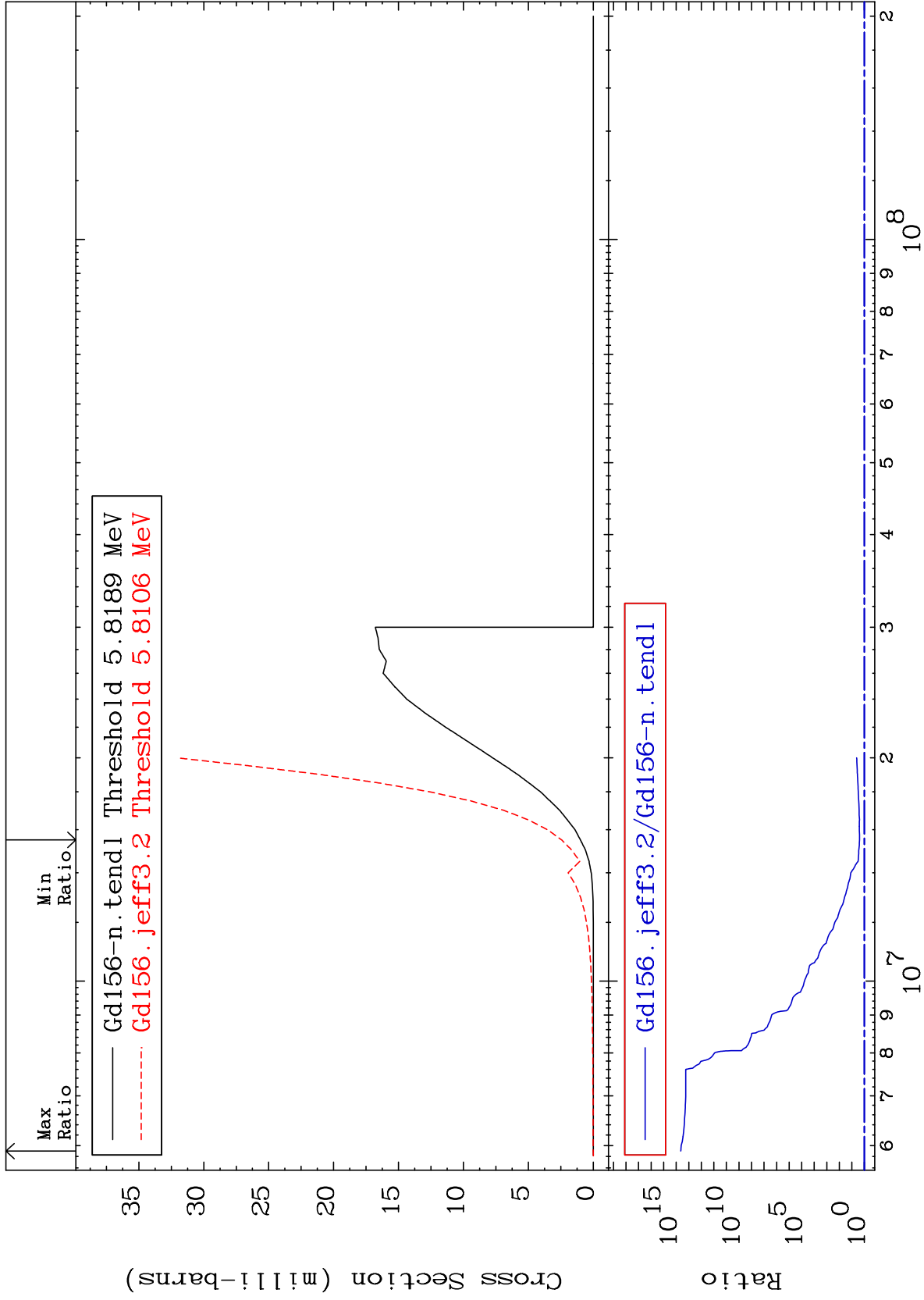
MAT 6437

(n, d)

64-Gd-156

Cross Section

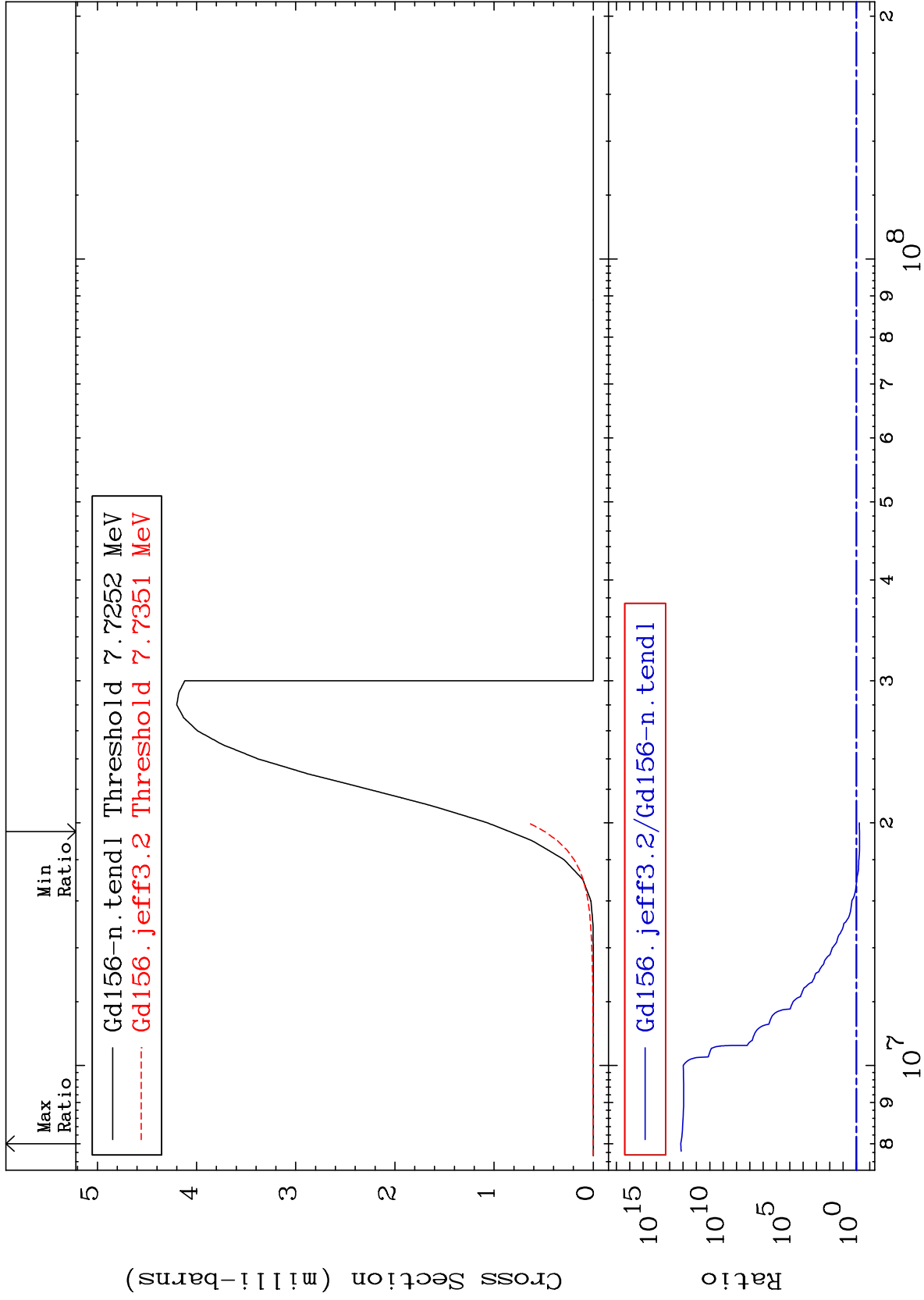
144.9 To 9999. %



MAT 6437

(n, t)
Cross Section

64-Gd-156
-42.16 To 9999. %



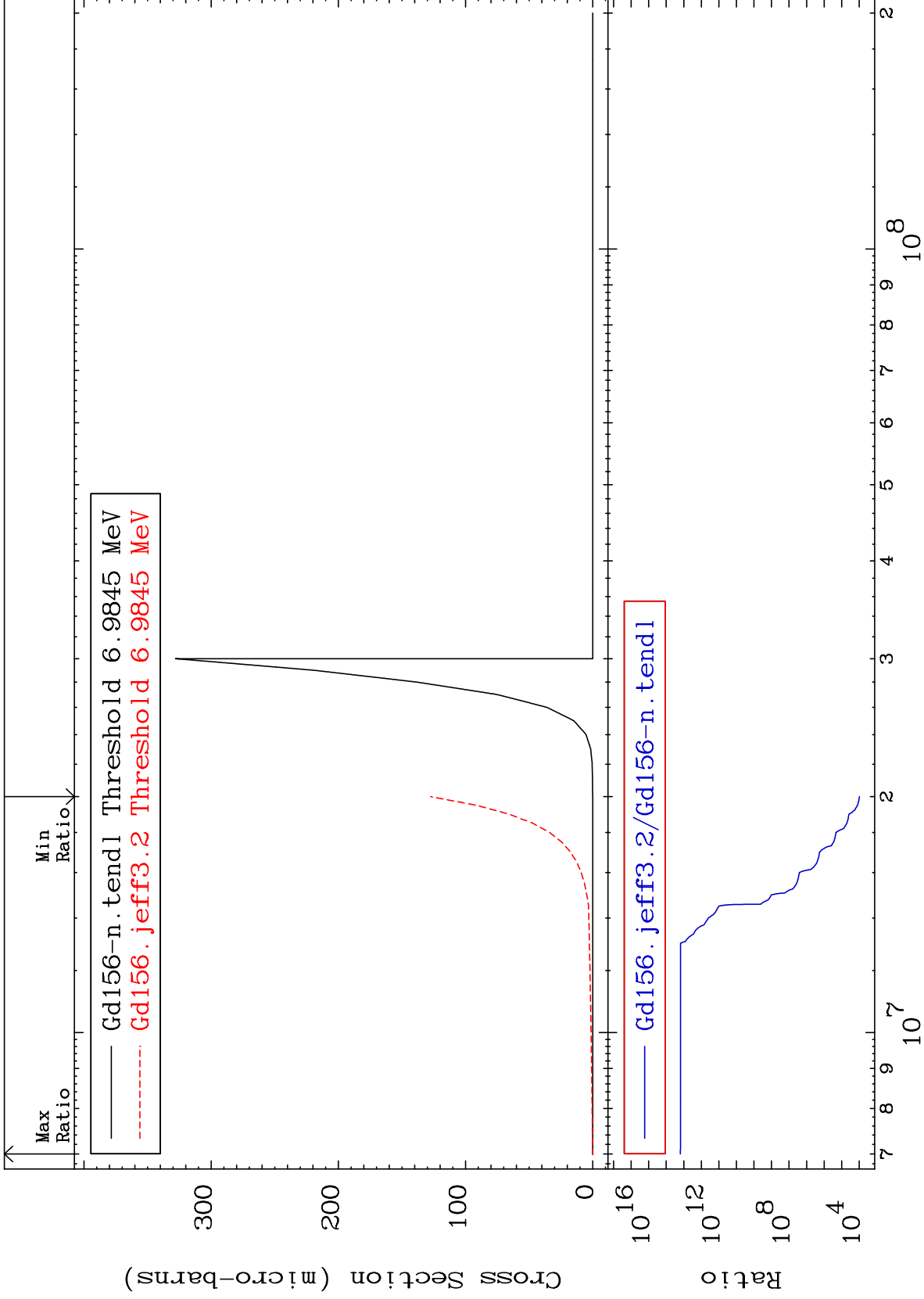
MAT 6437

(n, He-3)

64-Gd-156

Cross Section

9999. % To 9999. %



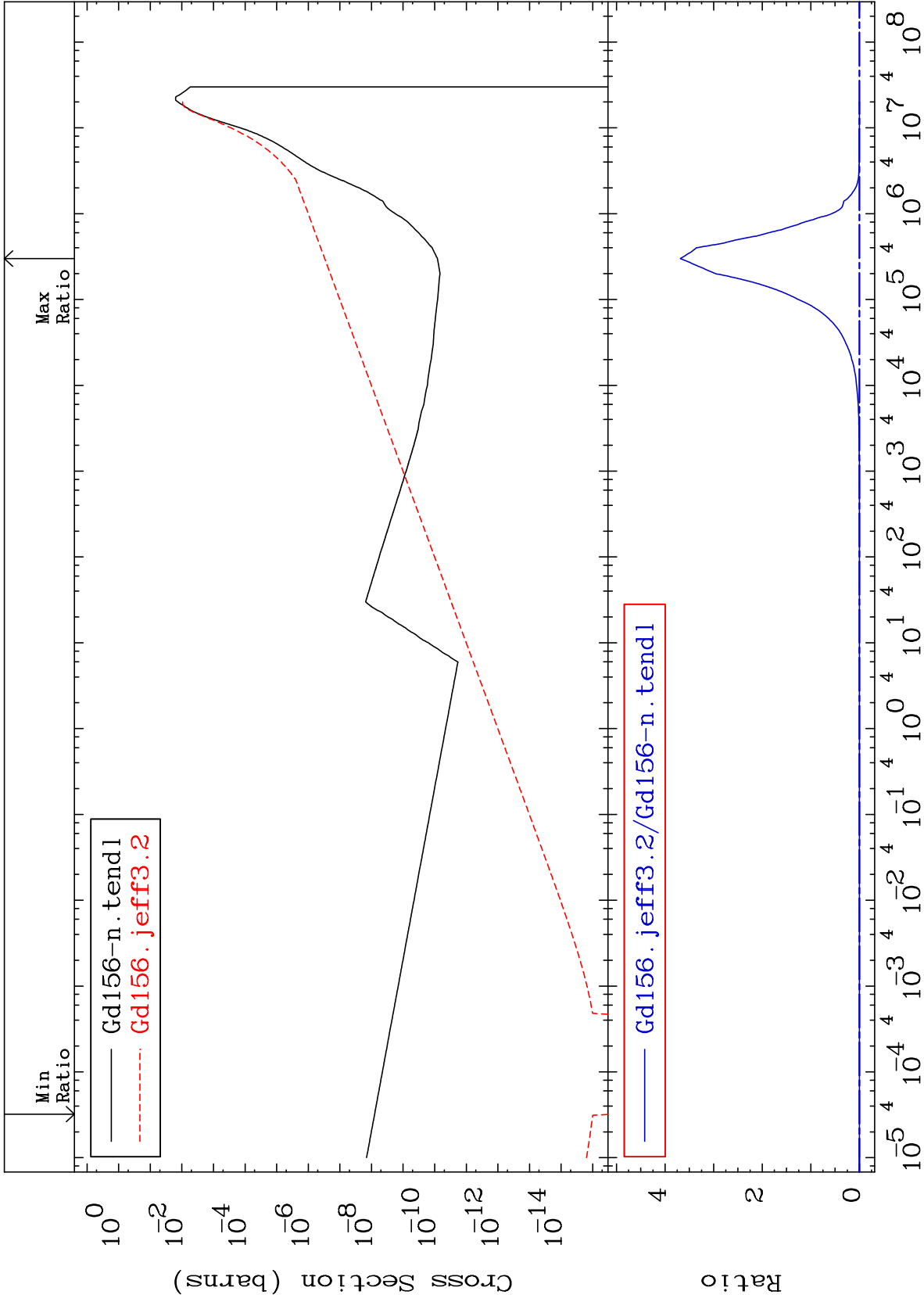
MAT 6437

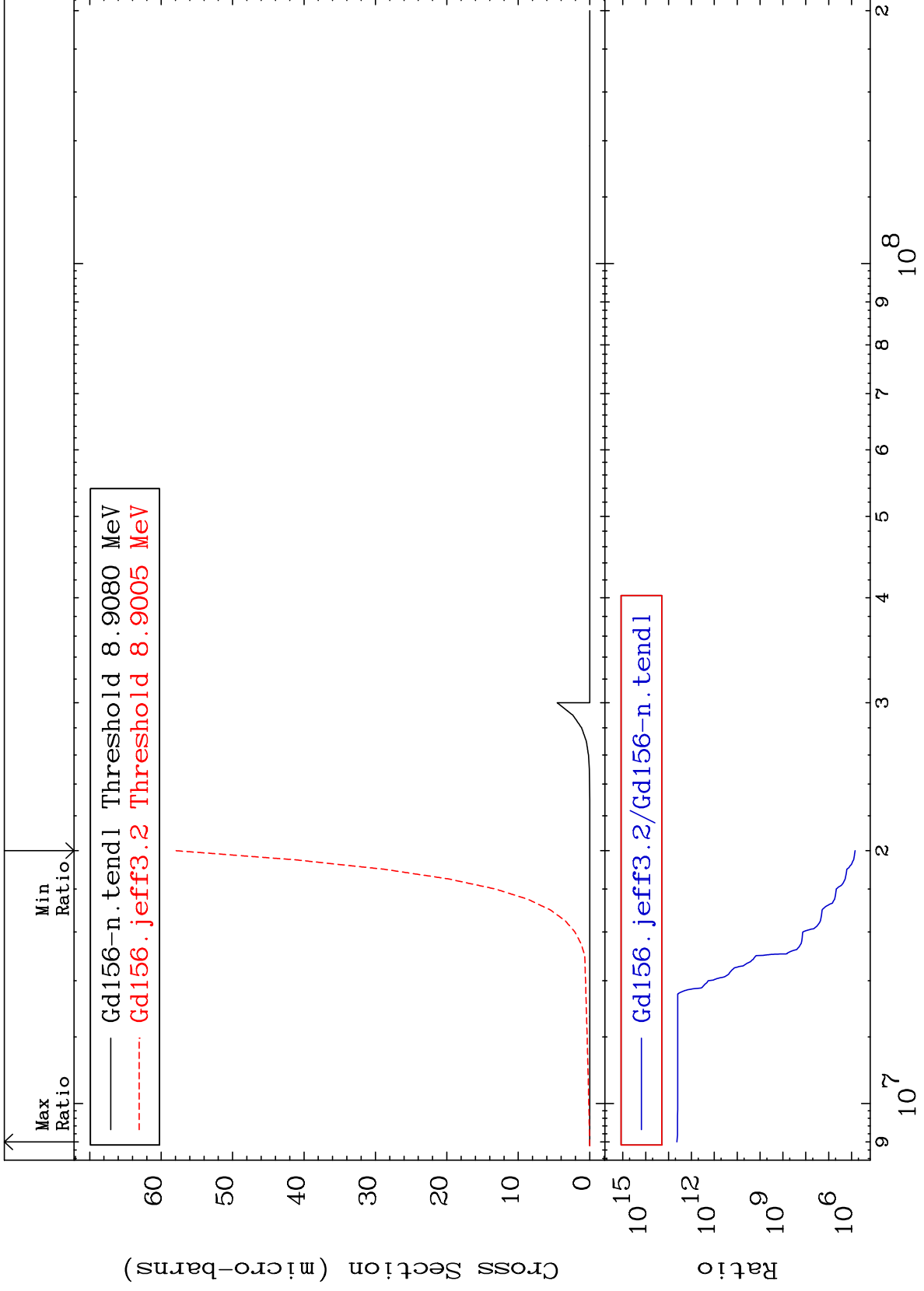
(n, α)

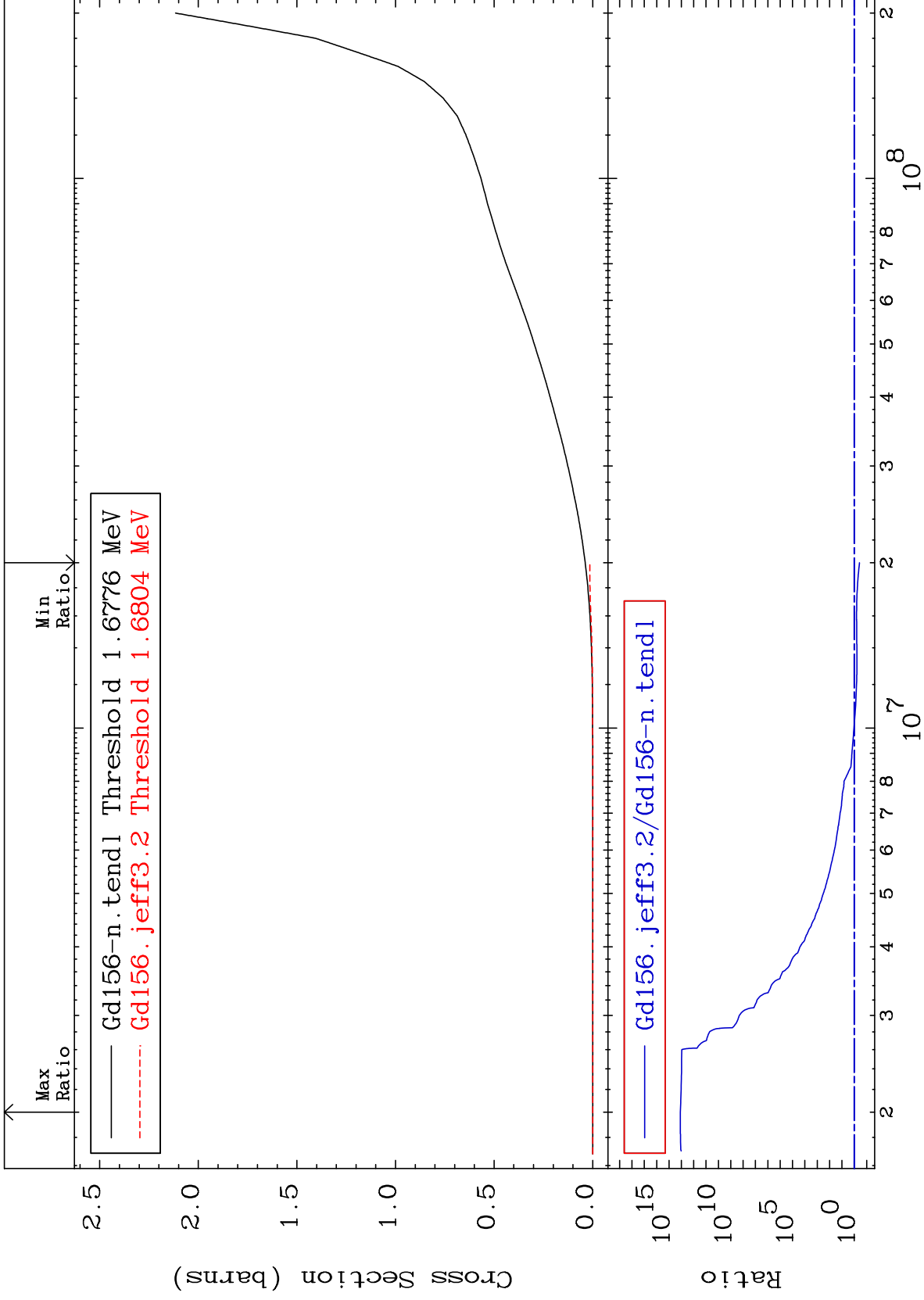
64-Gd-156

Cross Section

-100.0 To 9999. %



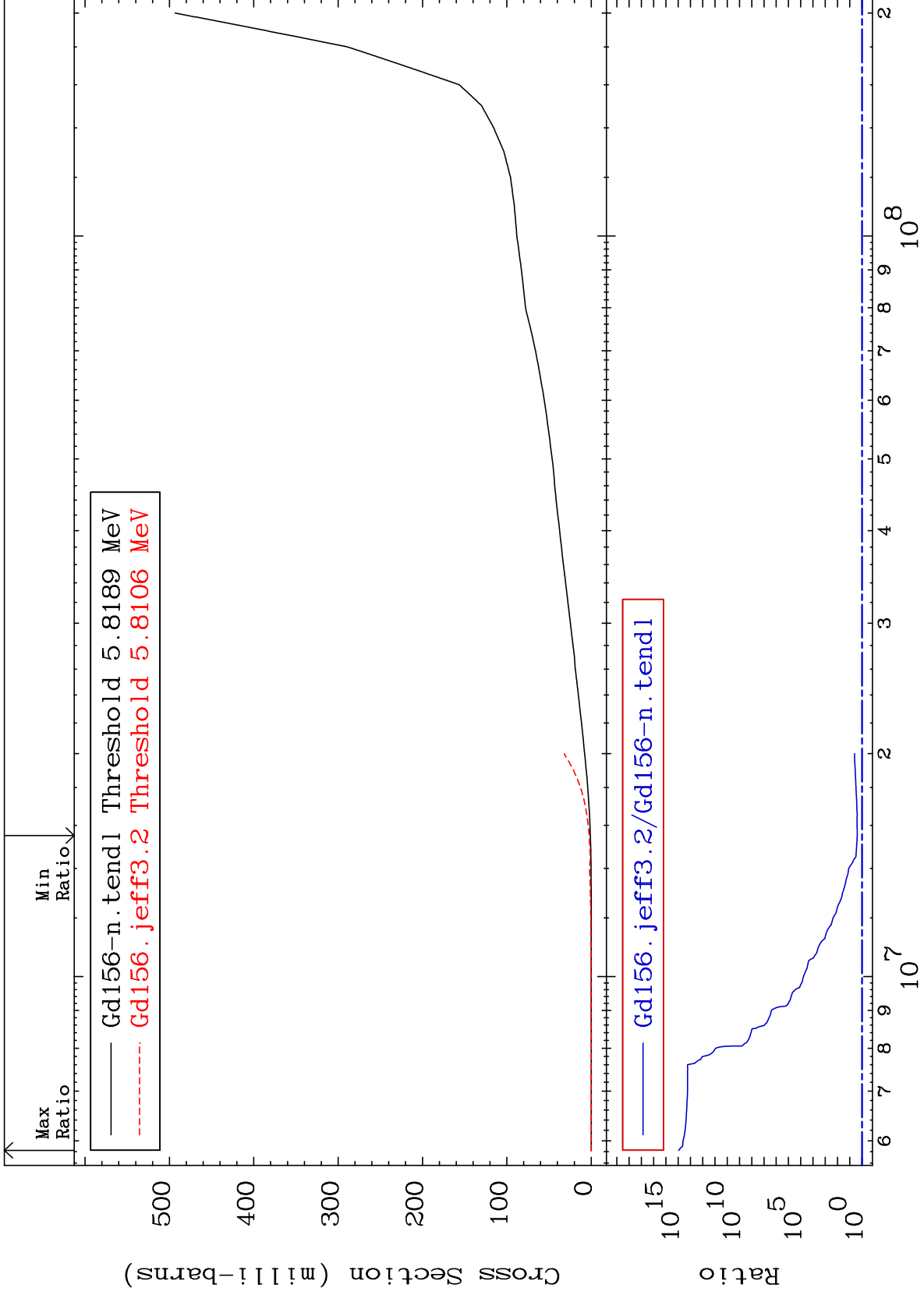




MAT 6437

Deuterium Production
Cross Section

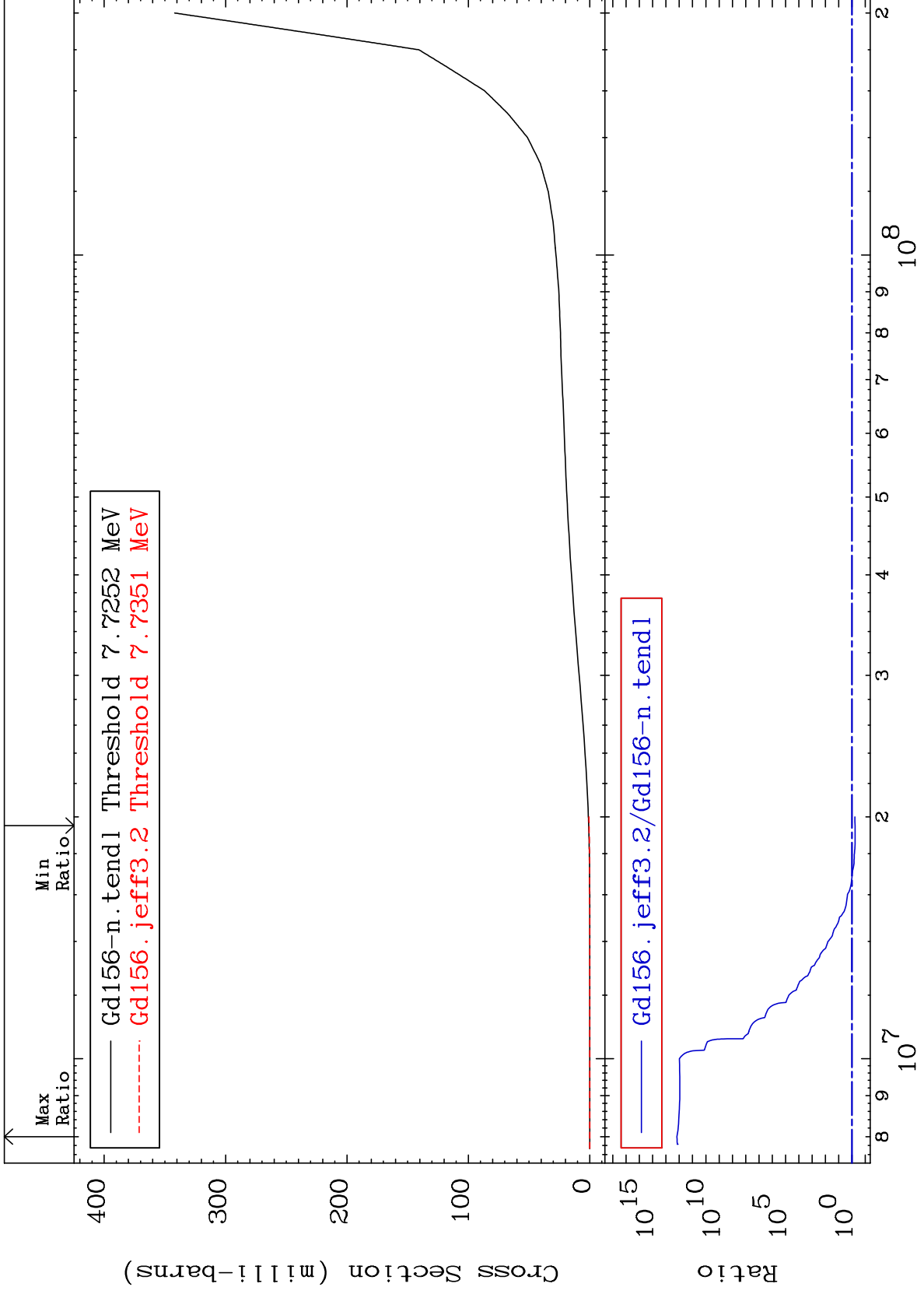
64-Gd-156
144.9 To 9999. %



MAT 6437

Tritium Production
Cross Section

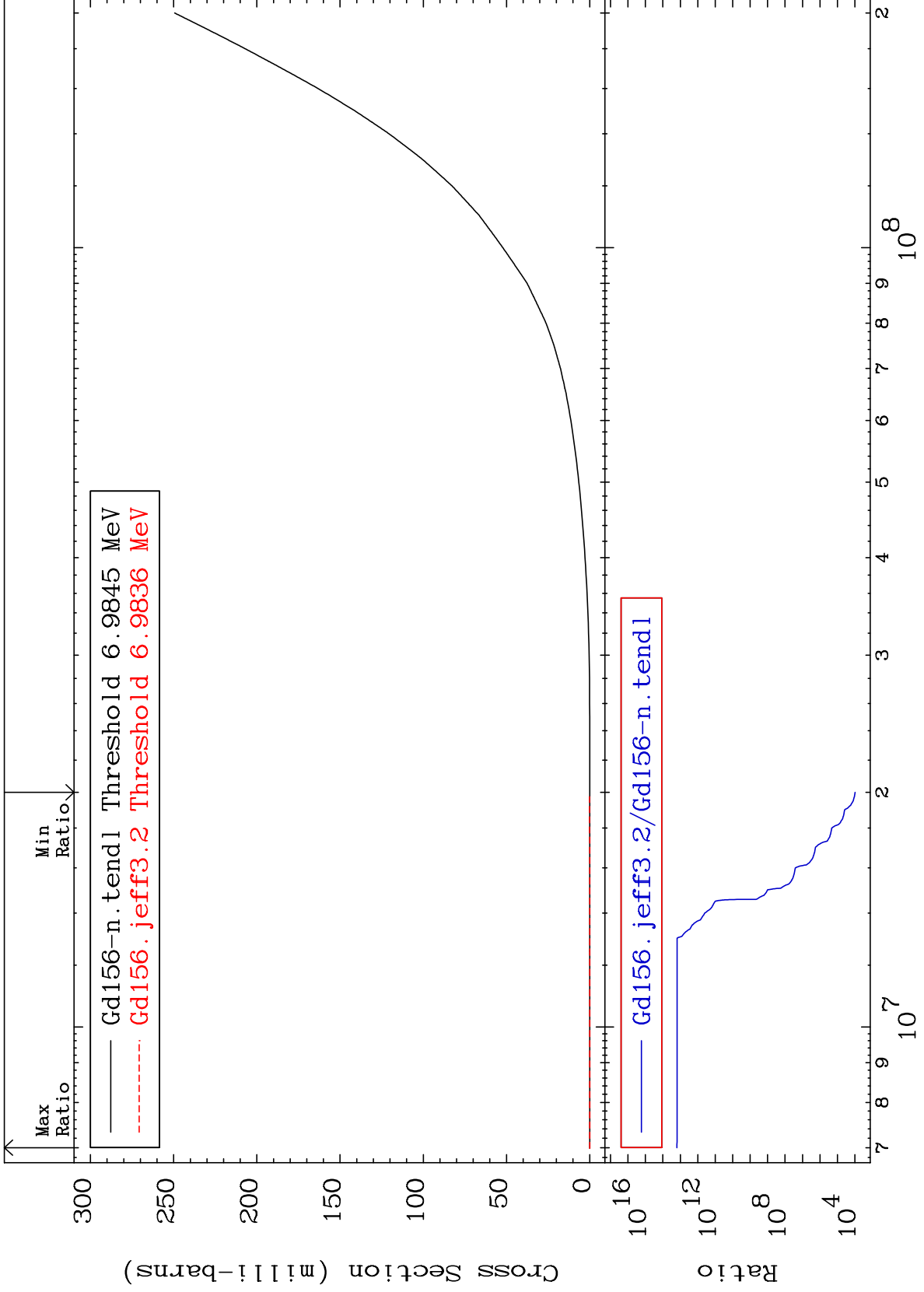
64-Gd-156
-42.17 To 9999. %



MAT 6437

He-3 Production
Cross Section

64-Gd-156
9999. To 9999. %



30

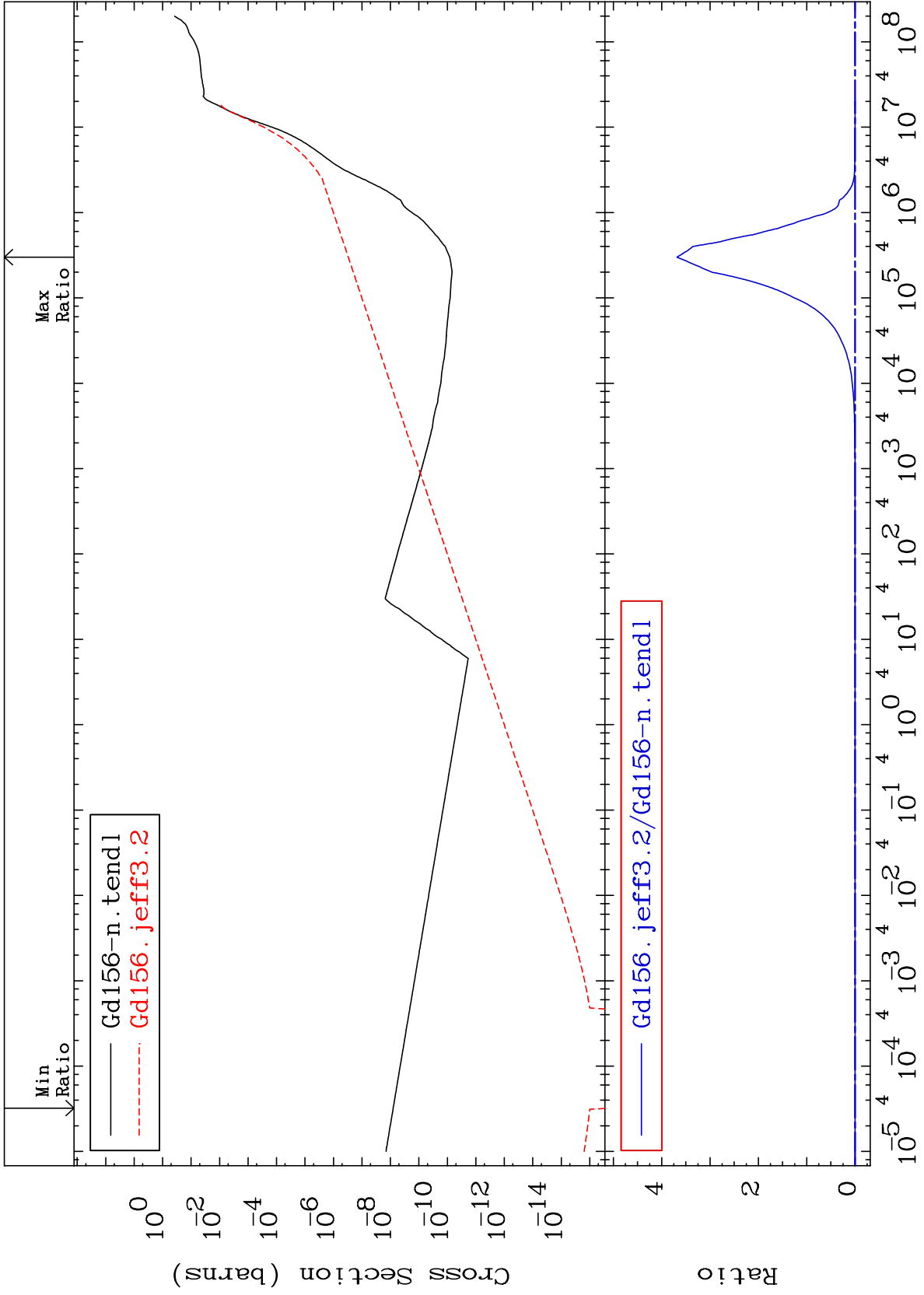
Incident Energy (eV)

64-Gd-156

MAT 6437

He-4 Production
Cross Section

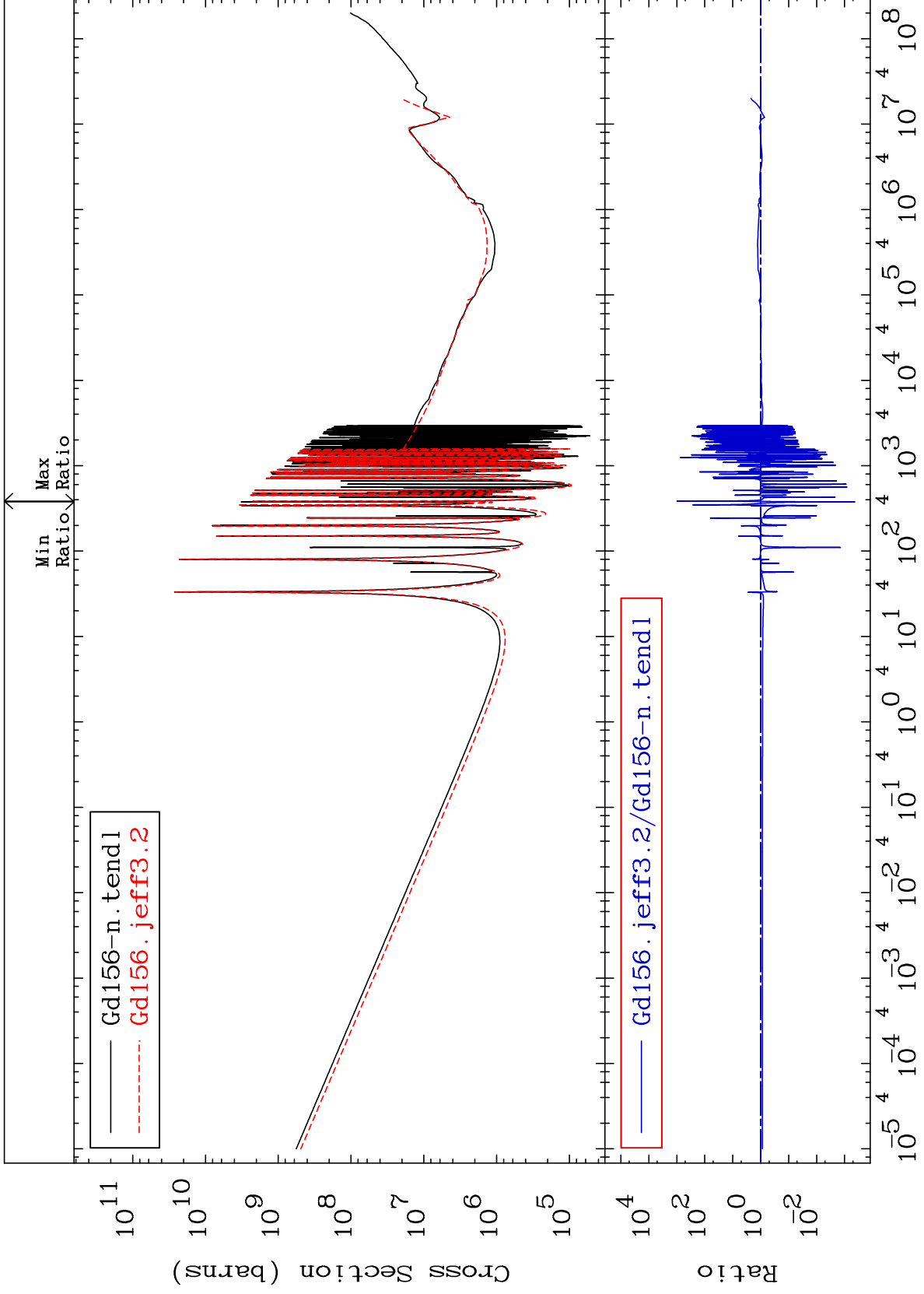
64-Gd-156
-100.0 To 9999. %



MAT 6437

Kerma total (eV-barns)
Cross Section

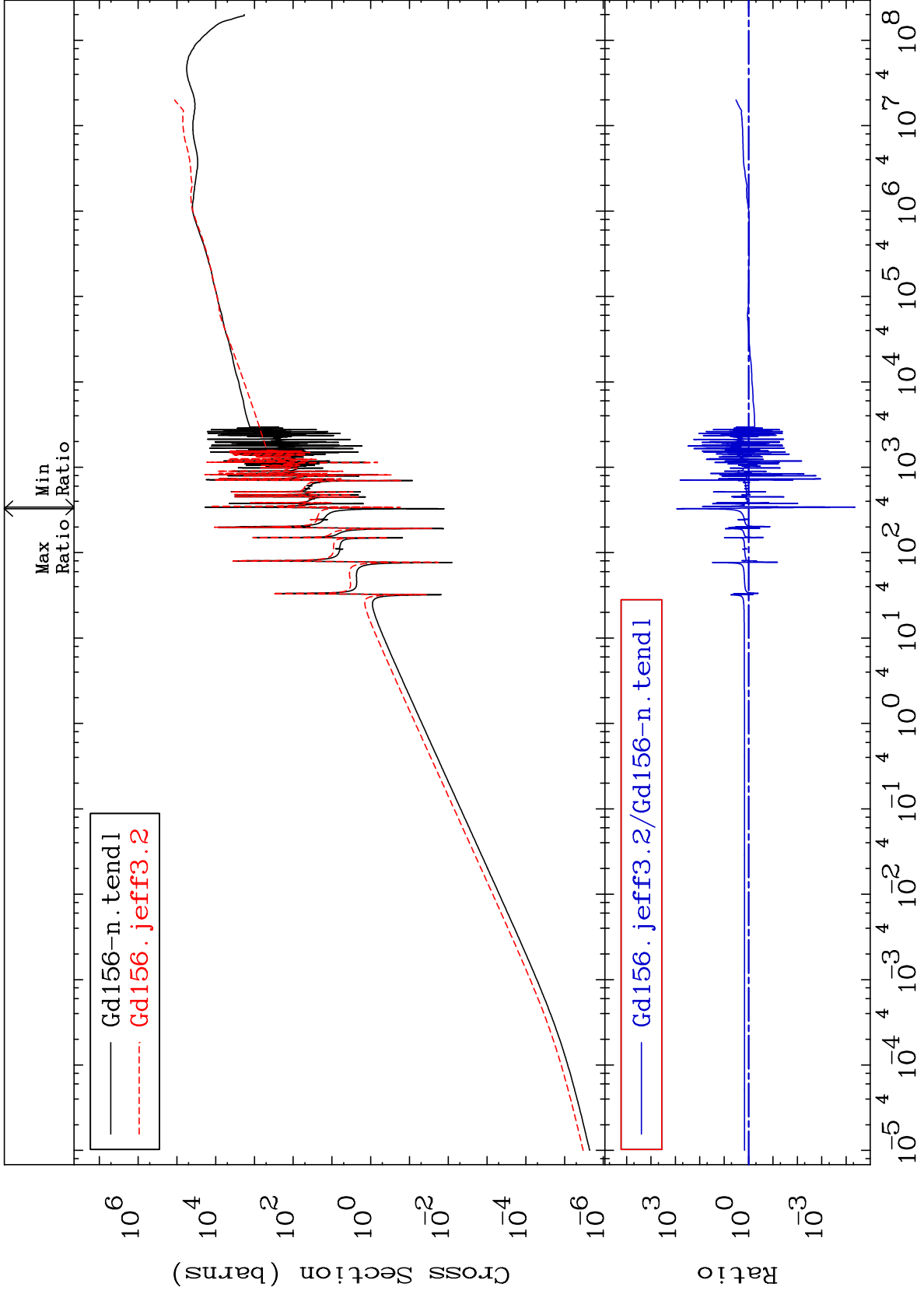
64-Gd-156
-99.96 To 9999. %

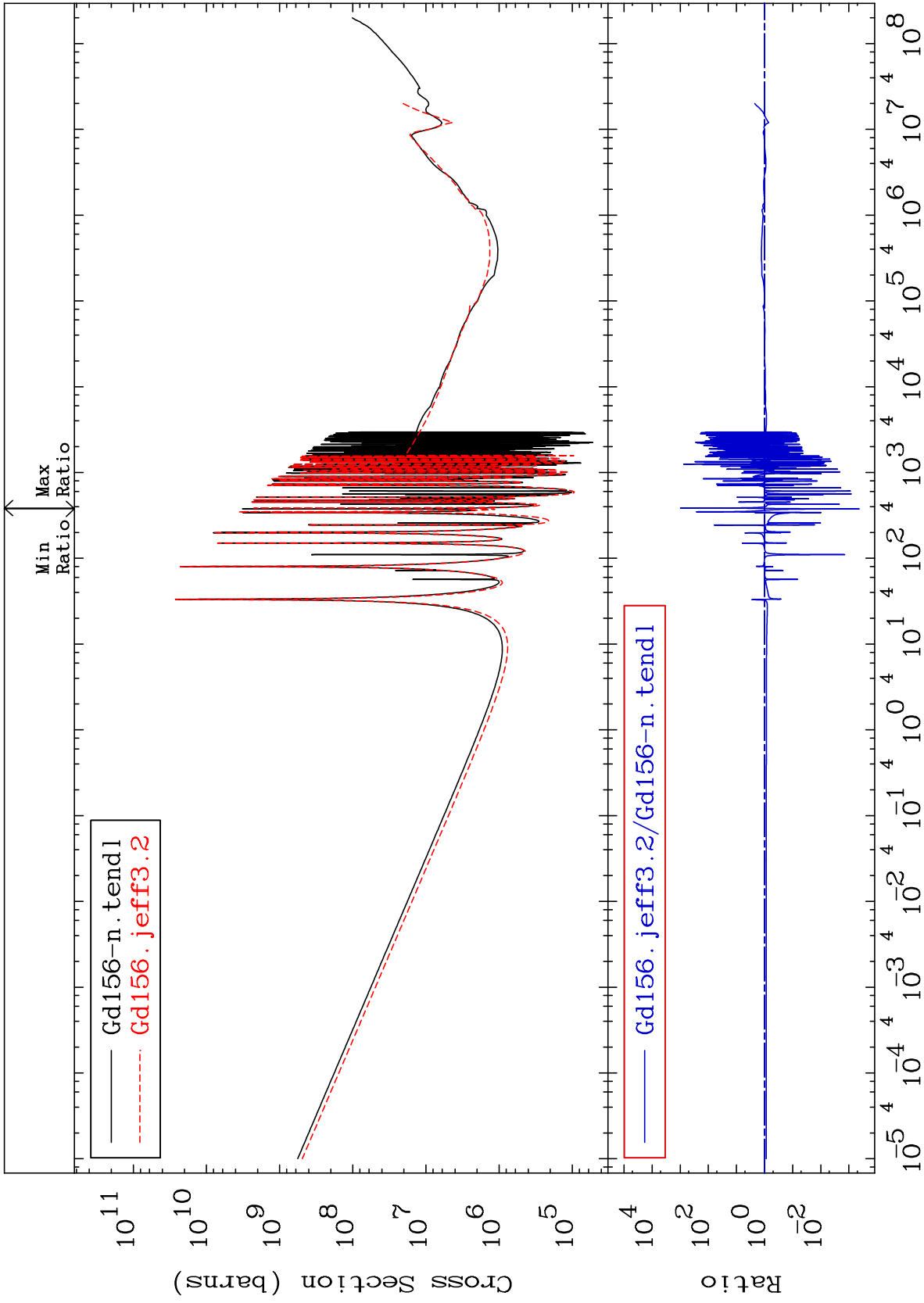


MAT 6437

Kerma elastic
Cross Section

64-Gd-156
-100.0 To 9999. %

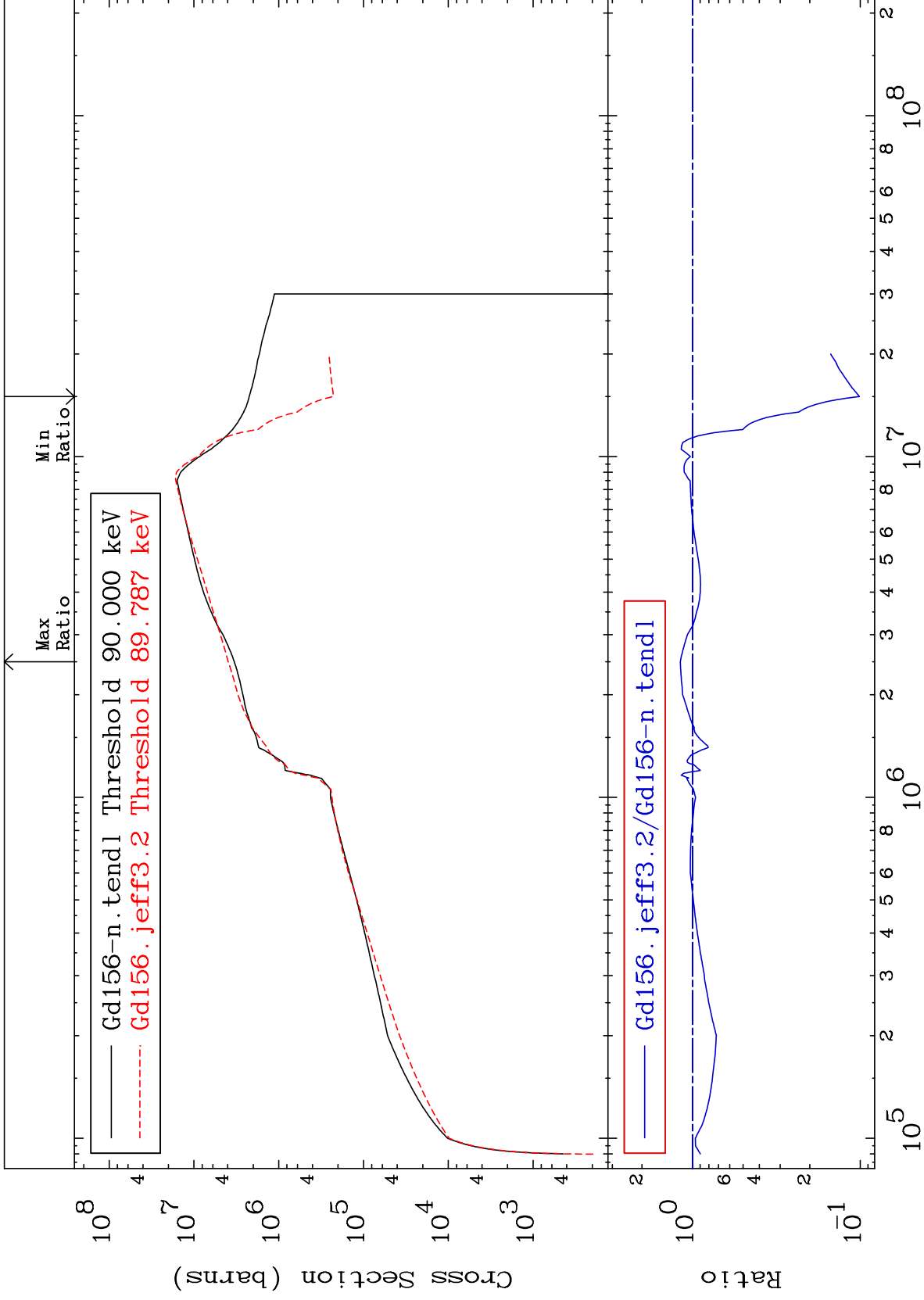




MAT 6437

Kerma inelastic (mt51-91)
Cross Section

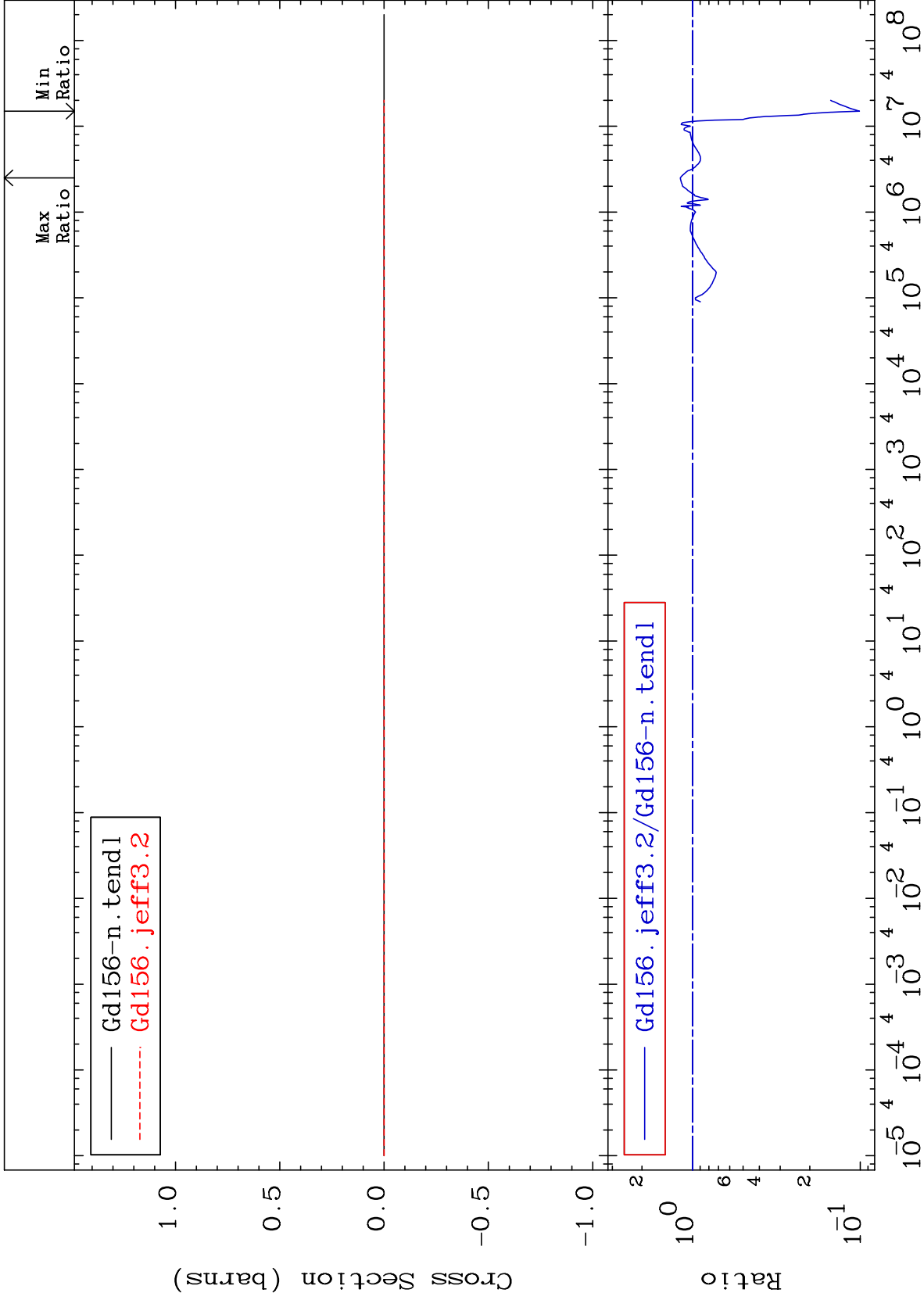
64-Gd-156
-89.87 To 18.14 %



35

Incident Energy (eV)

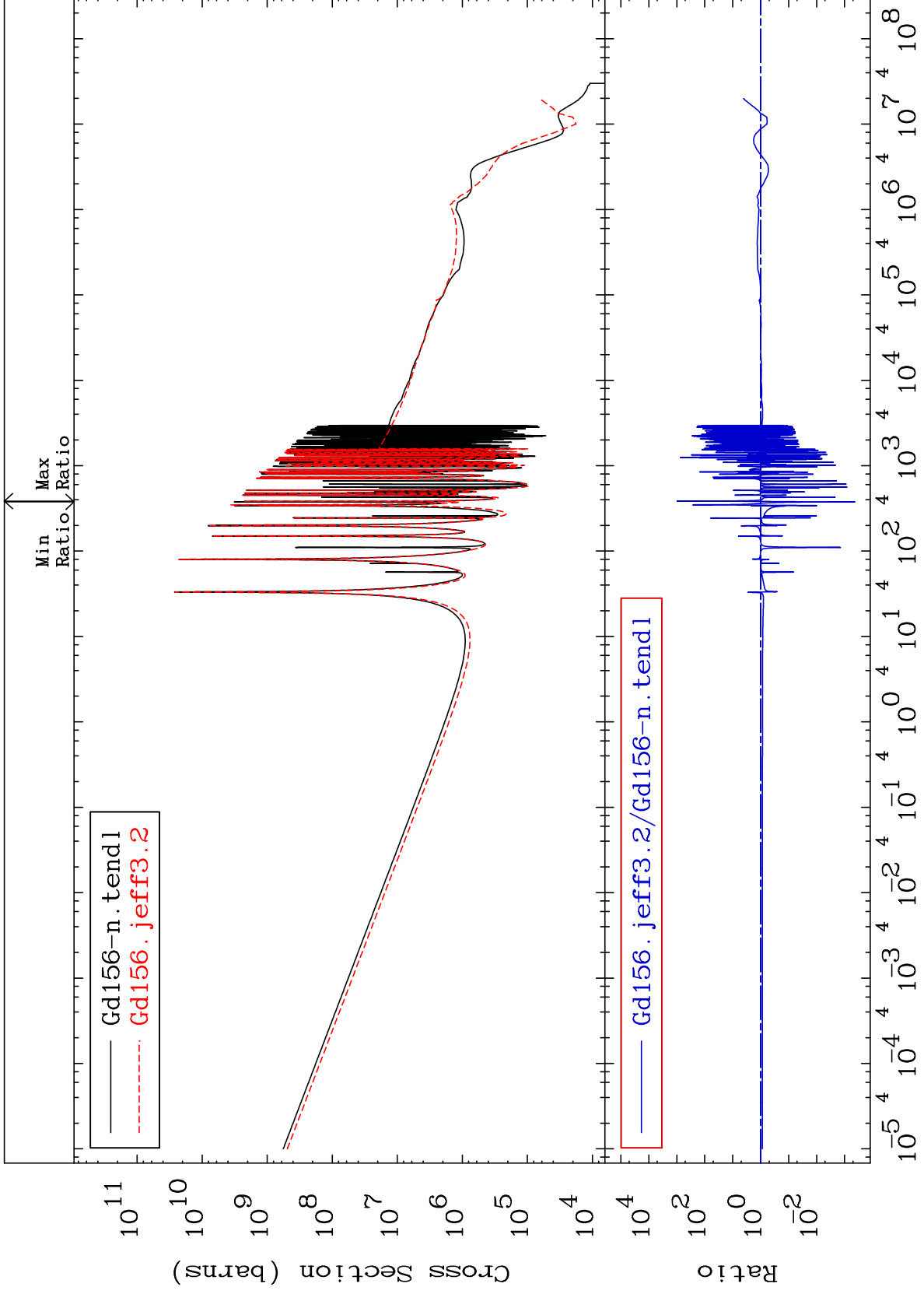
64-Gd-156



MAT 6437

Kerma capture (mt102)
Cross Section

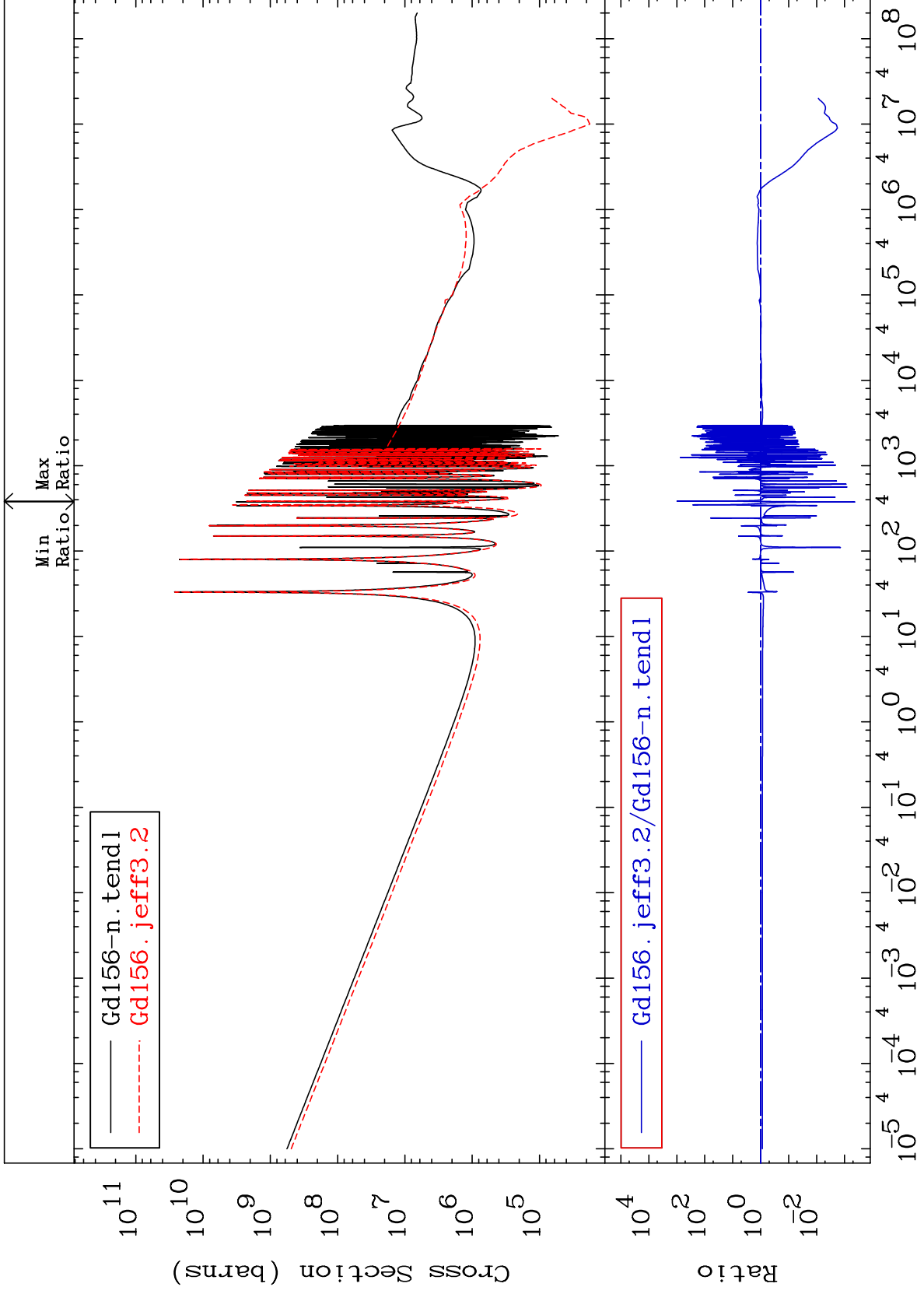
64-Gd-156
-99.96 To 9999. %

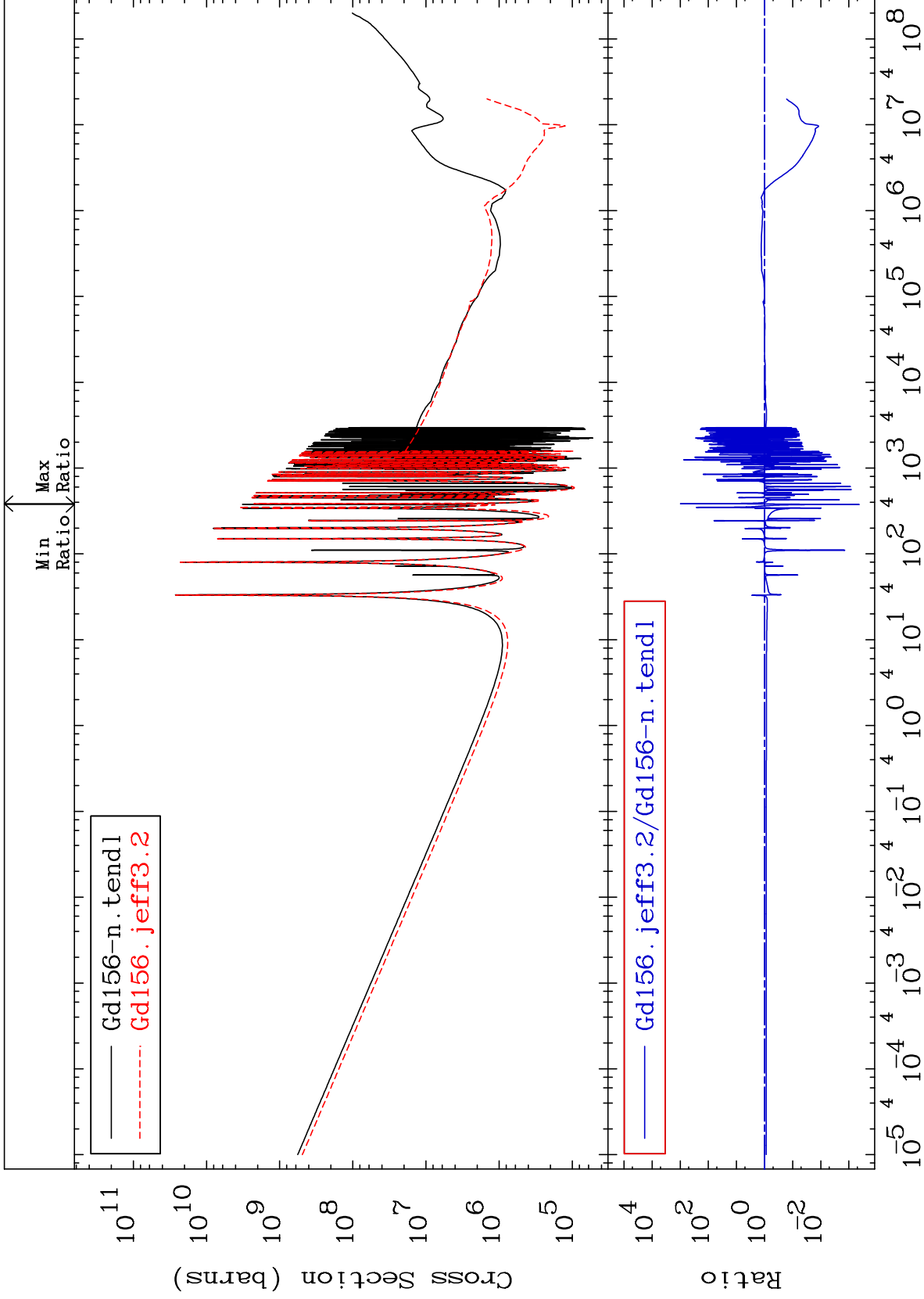


MAT 6437

Total photon (eV-barns)
Cross Section

64-Gd-156
-99.96 To 9999. %

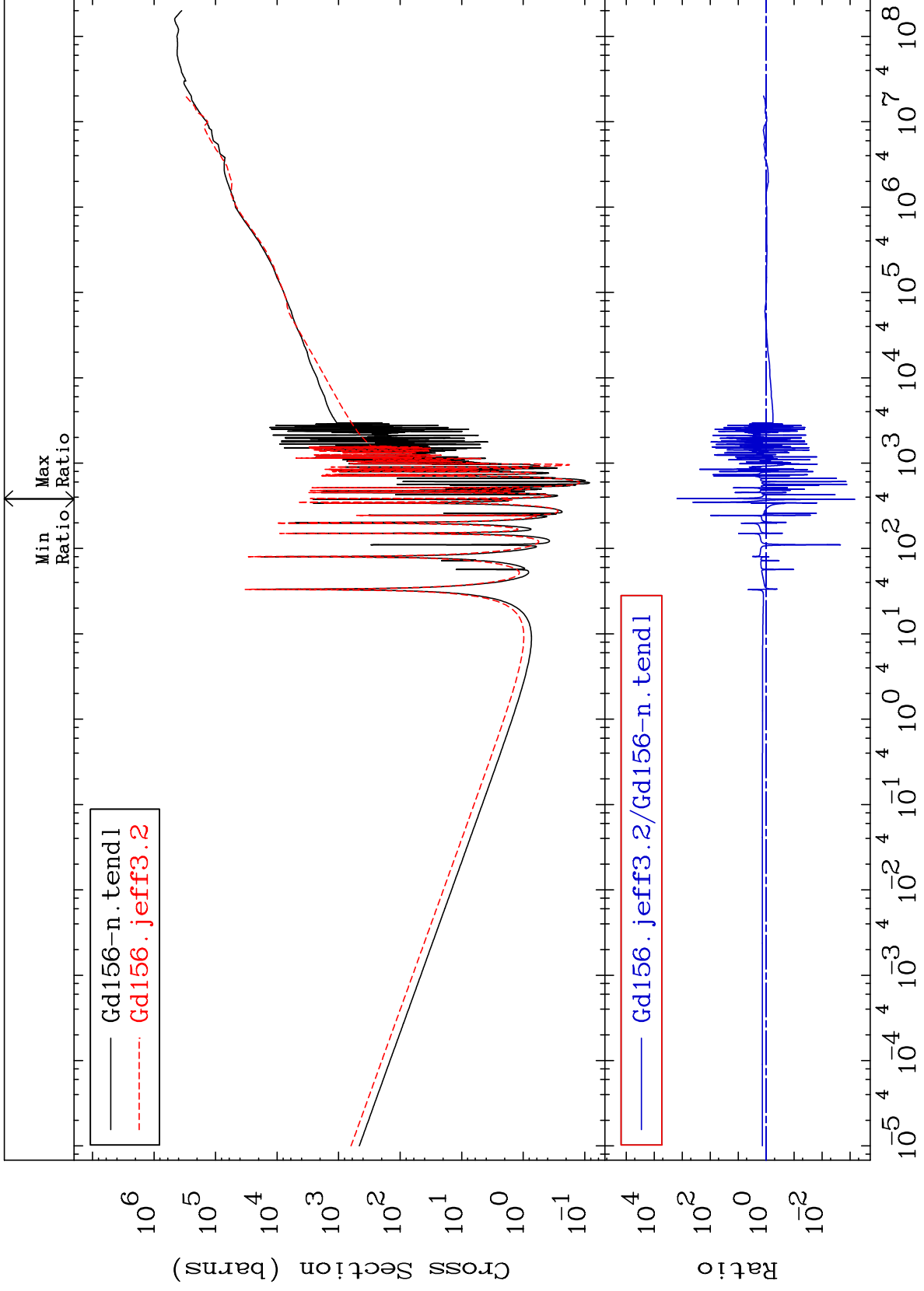




MAT 6437

Dpa total (eV-barns)
Cross Section

64-Gd-156
-99.93 To 9999. %



40

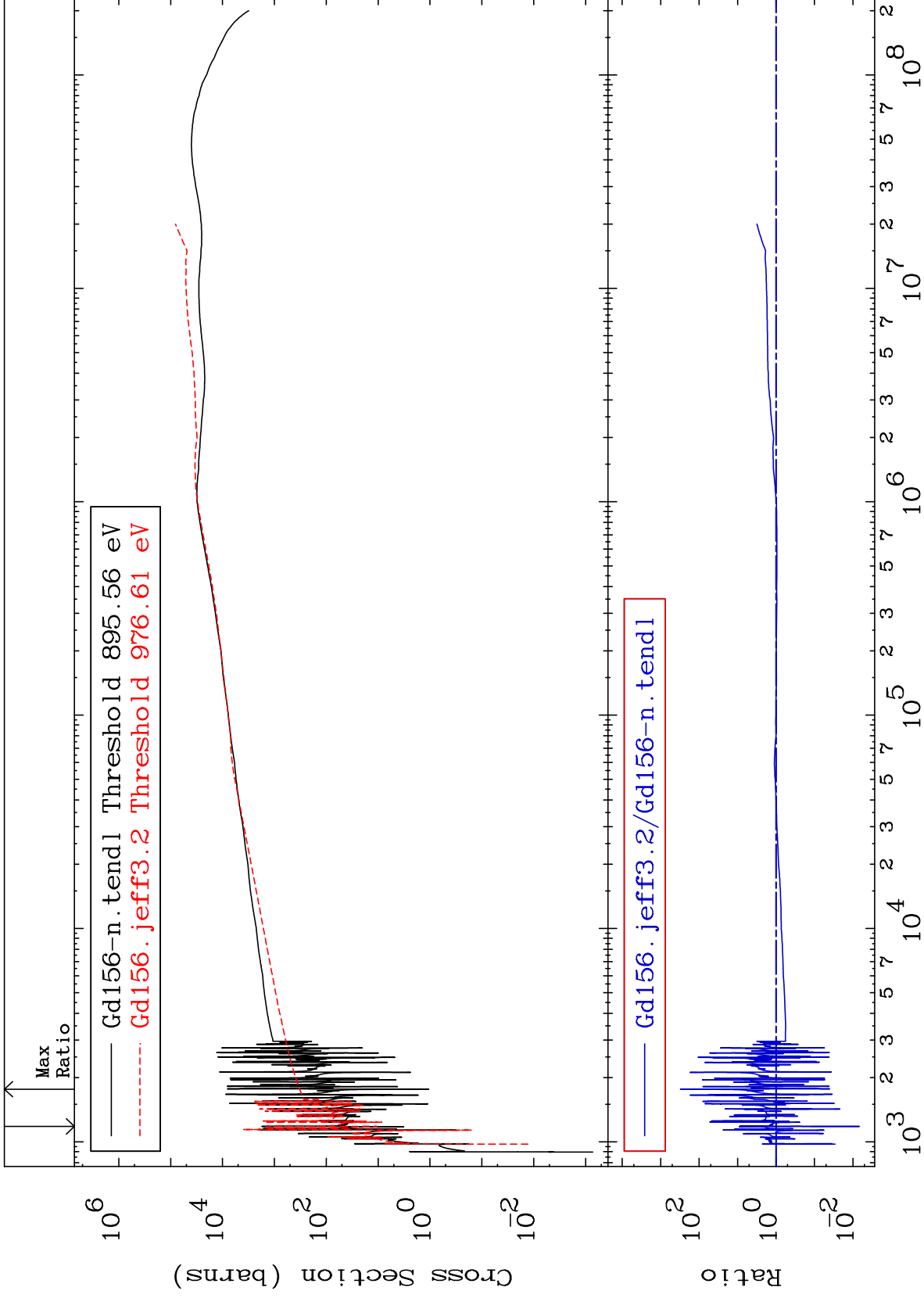
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-99.32 To 9999. %



41

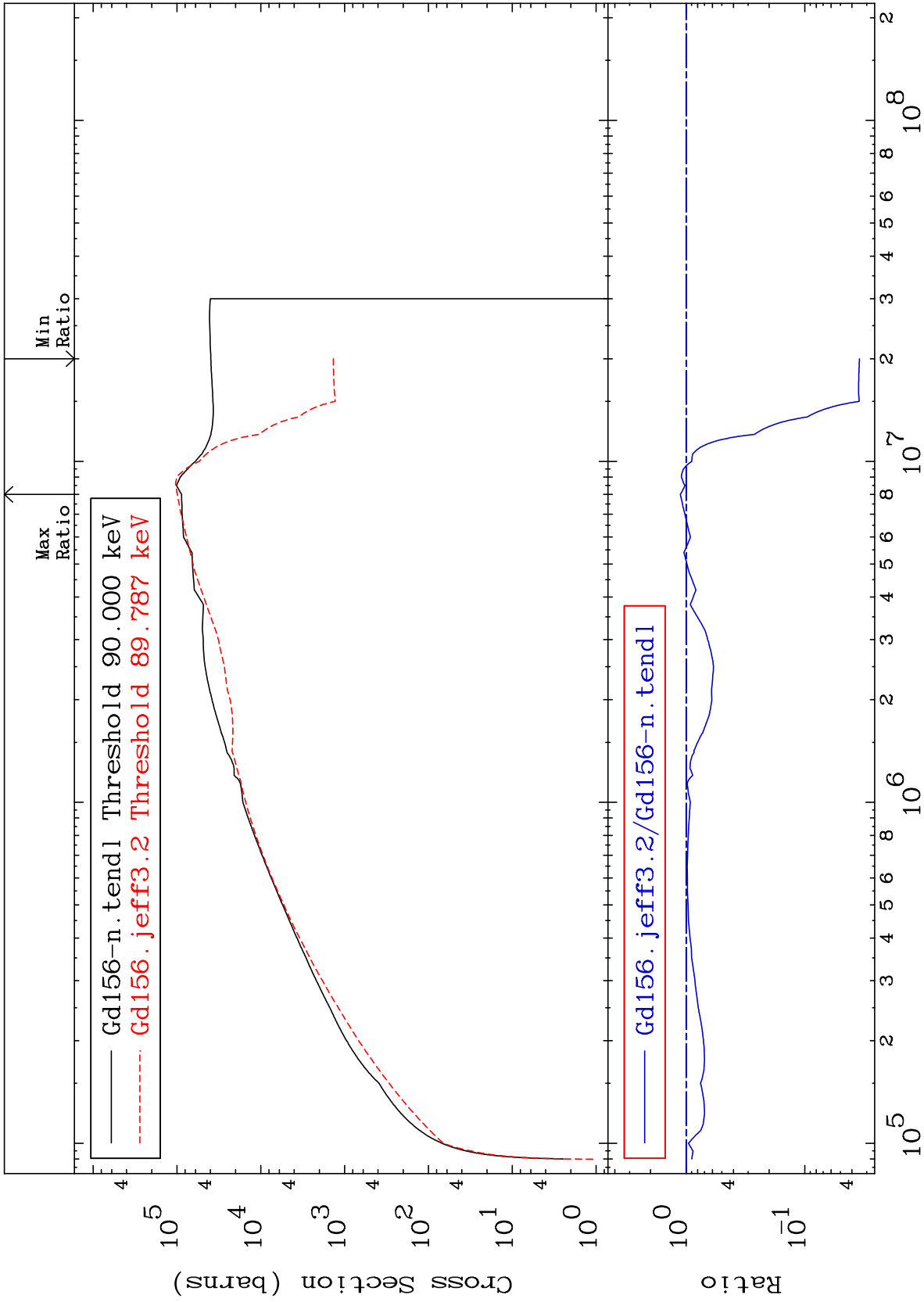
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)
Cross Section

64-Gd-156
-96.55 To 12.11 %



42

Incident Energy (eV)

64-Gd-156

