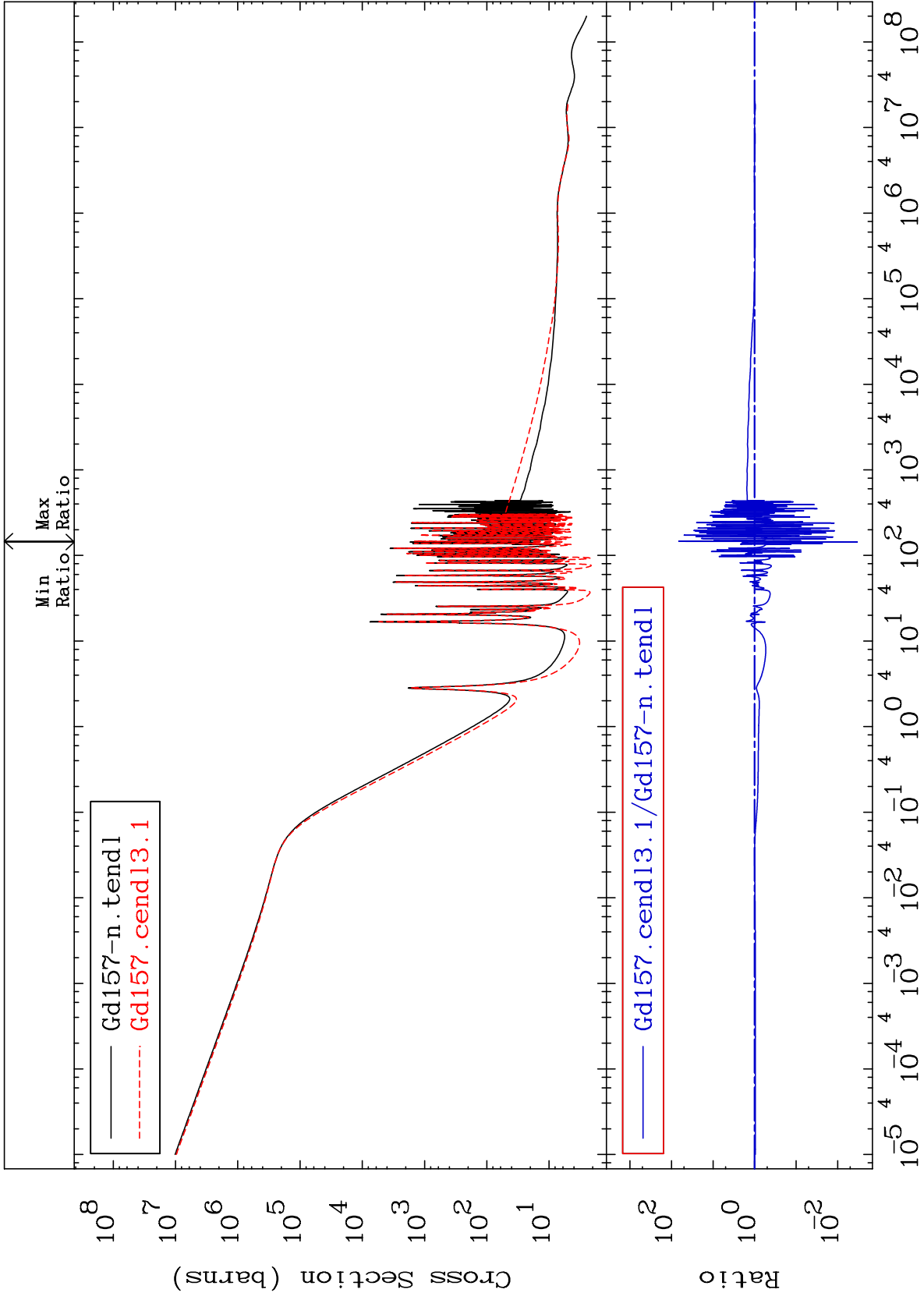


MAT 6440

Total
Cross Section

64-Gd-157
-99.66 To 6643. %



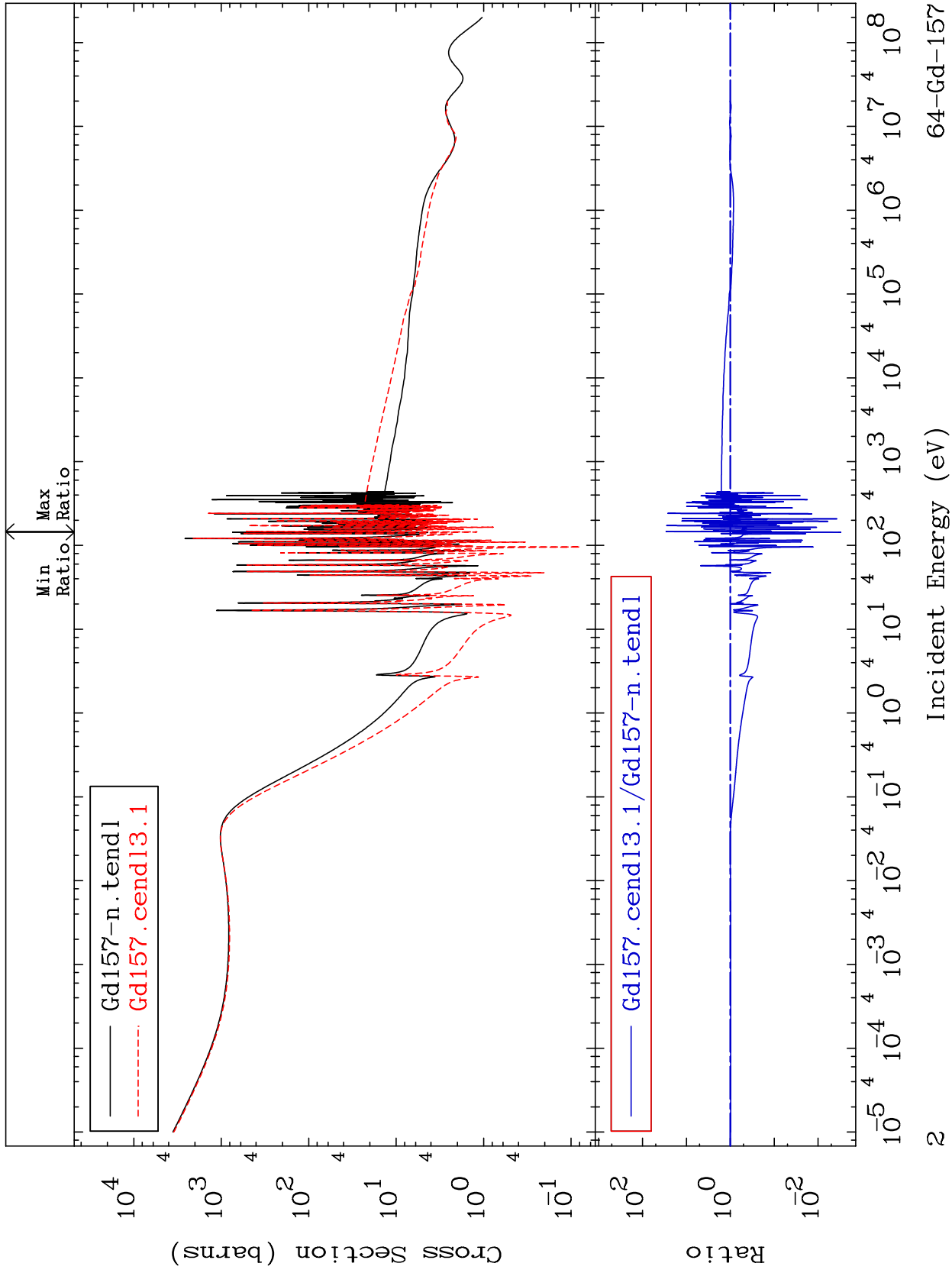
MAT 6440

Elastic

64-Gd-157

Cross Section

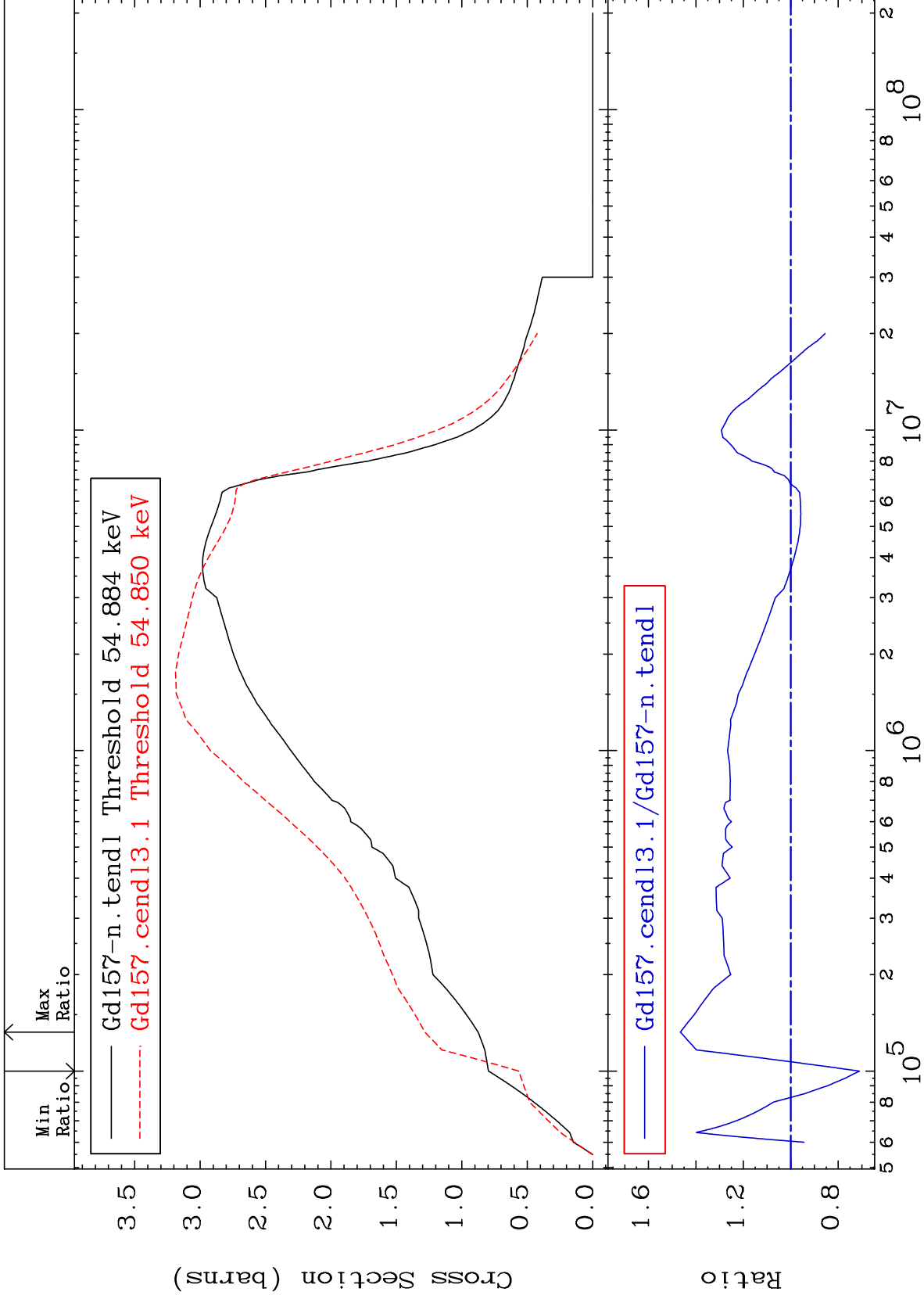
-99.70 To 2823. %



MAT 6440

Inelastic
Cross Section

64-Gd-157
-28.97 To 46.55 %



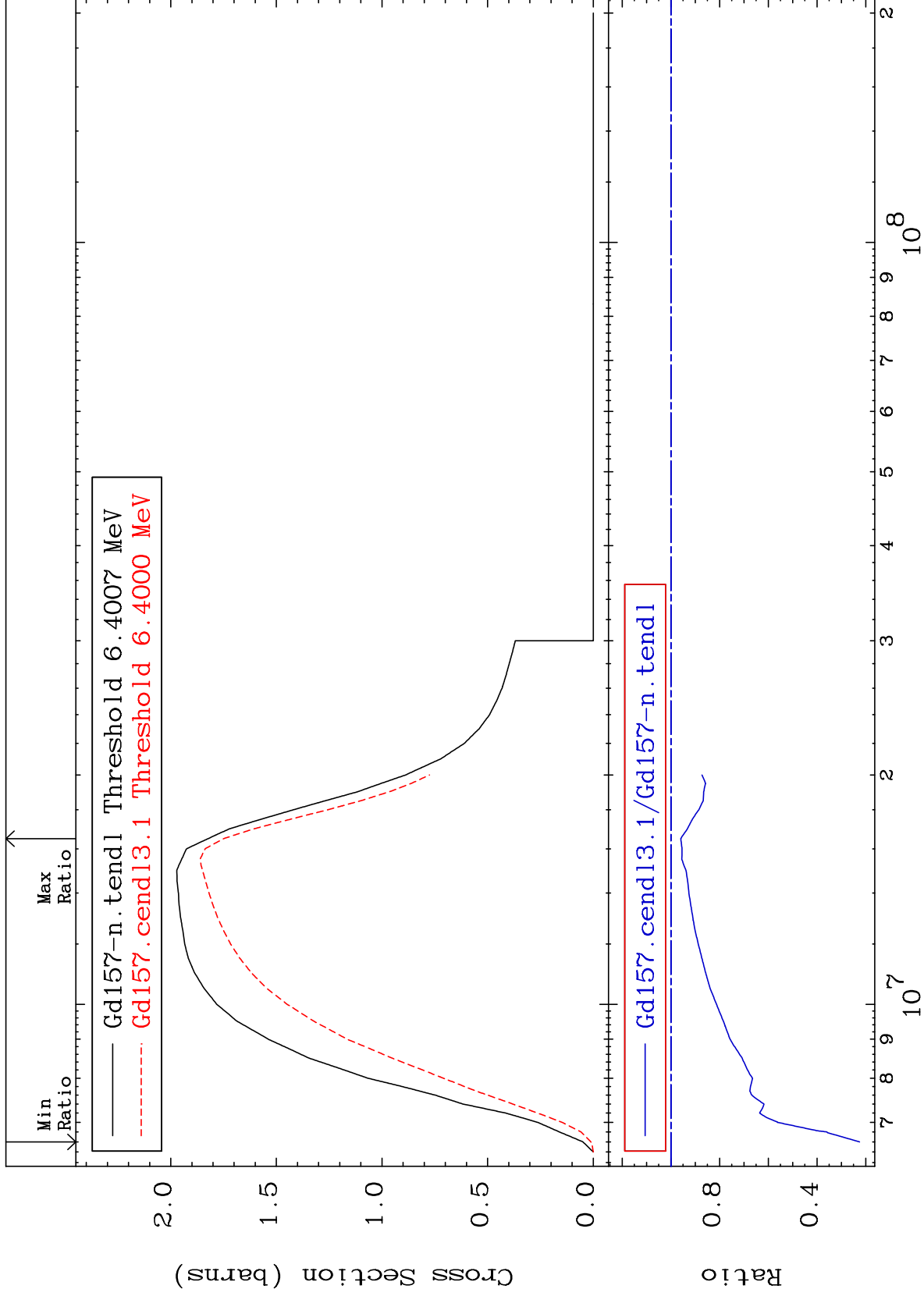
MAT 6440

(n,2n)

64-Gd-157

Cross Section

-77.45 To -4.041%



4

Incident Energy (eV)

64-Gd-157

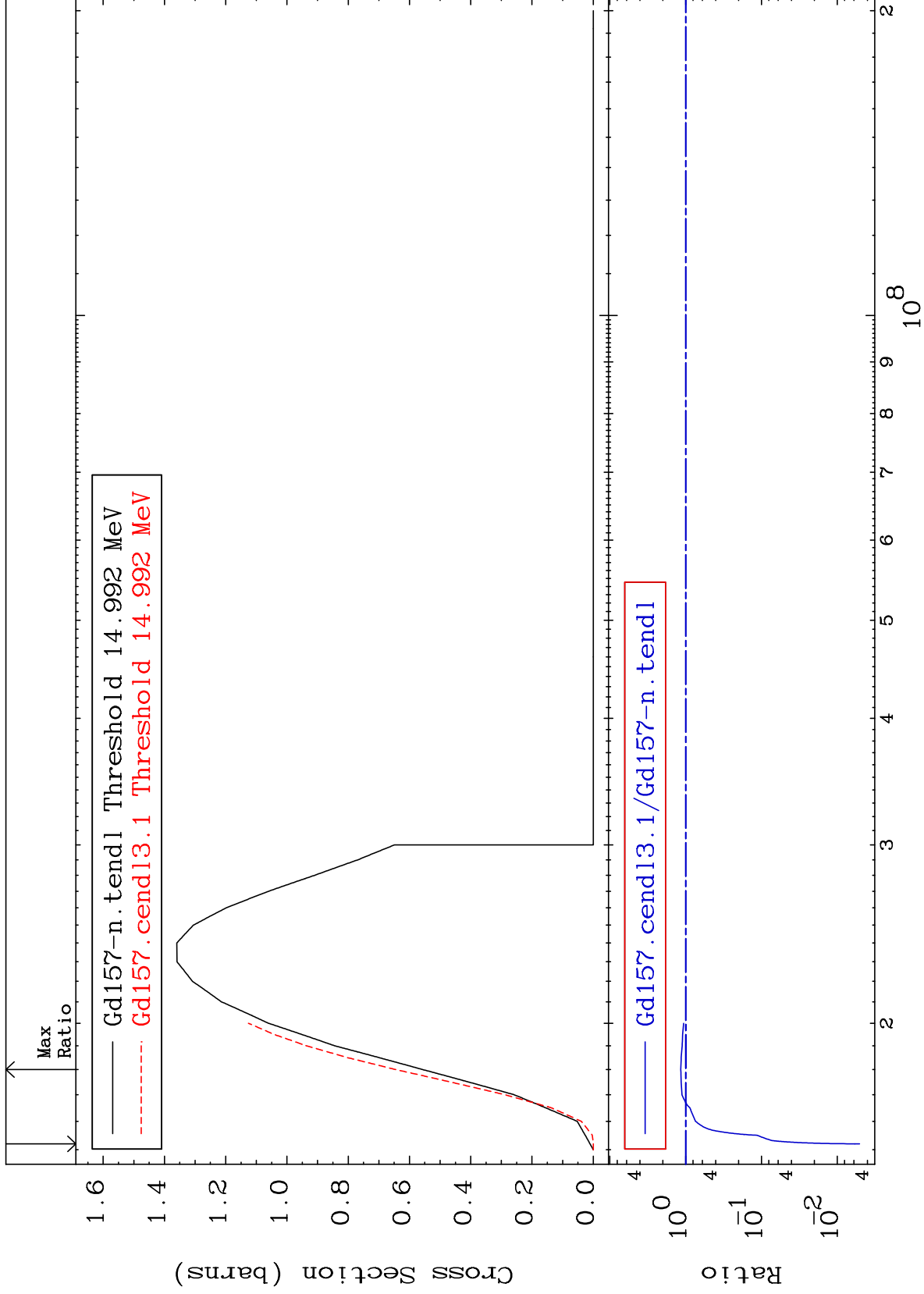
MAT 6440

(n,3n)

64-Gd-157

Cross Section

-99.49 To 15.89 %



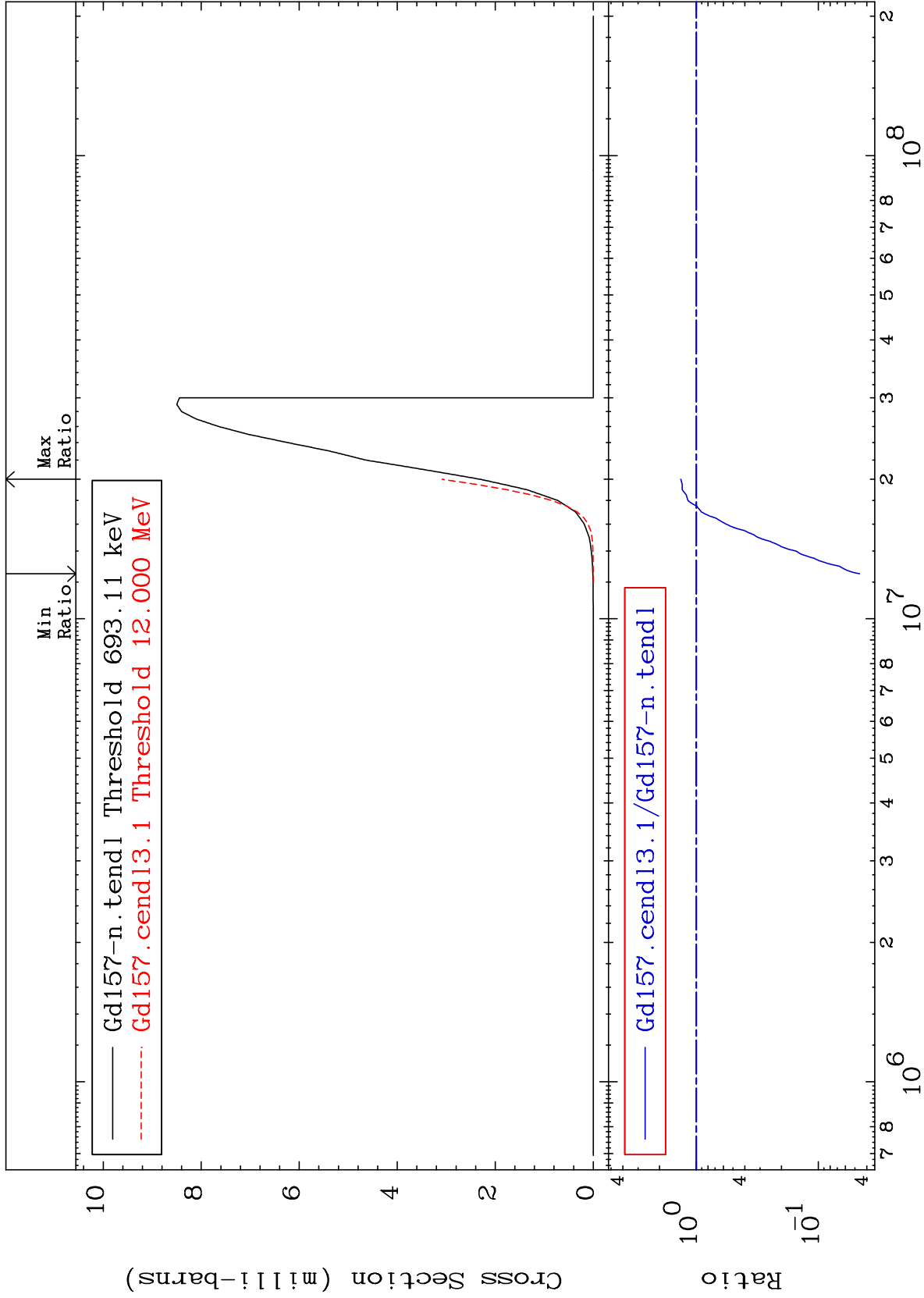
MAT 6440

(n, n') α

64-Gd-157

Cross Section

-95.41 To 33.90 %



6

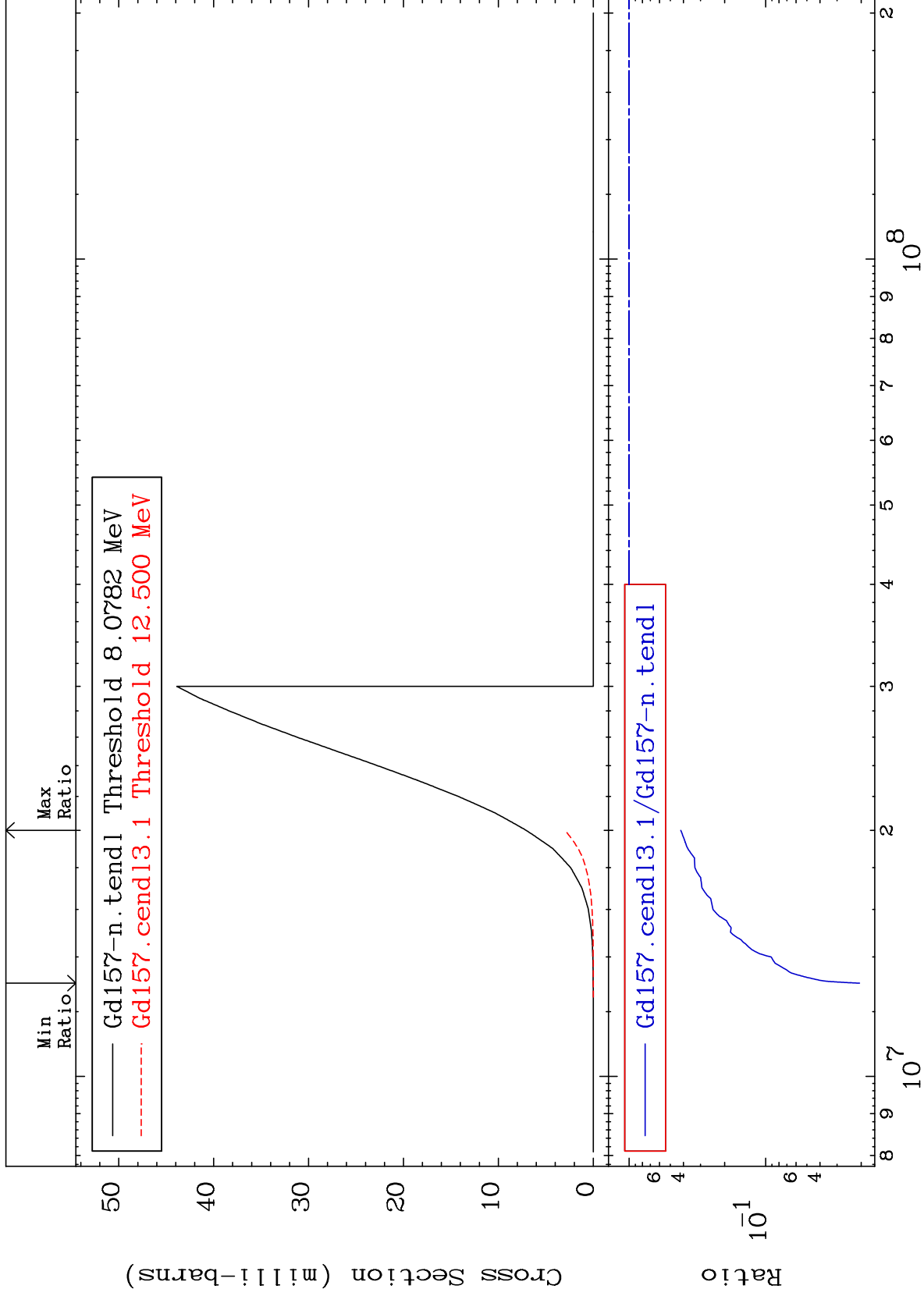
Incident Energy (eV)

64-Gd-157

MAT 6440

(n,n') p
Cross Section

64-Gd-157
-97.94 To -58.15%



7

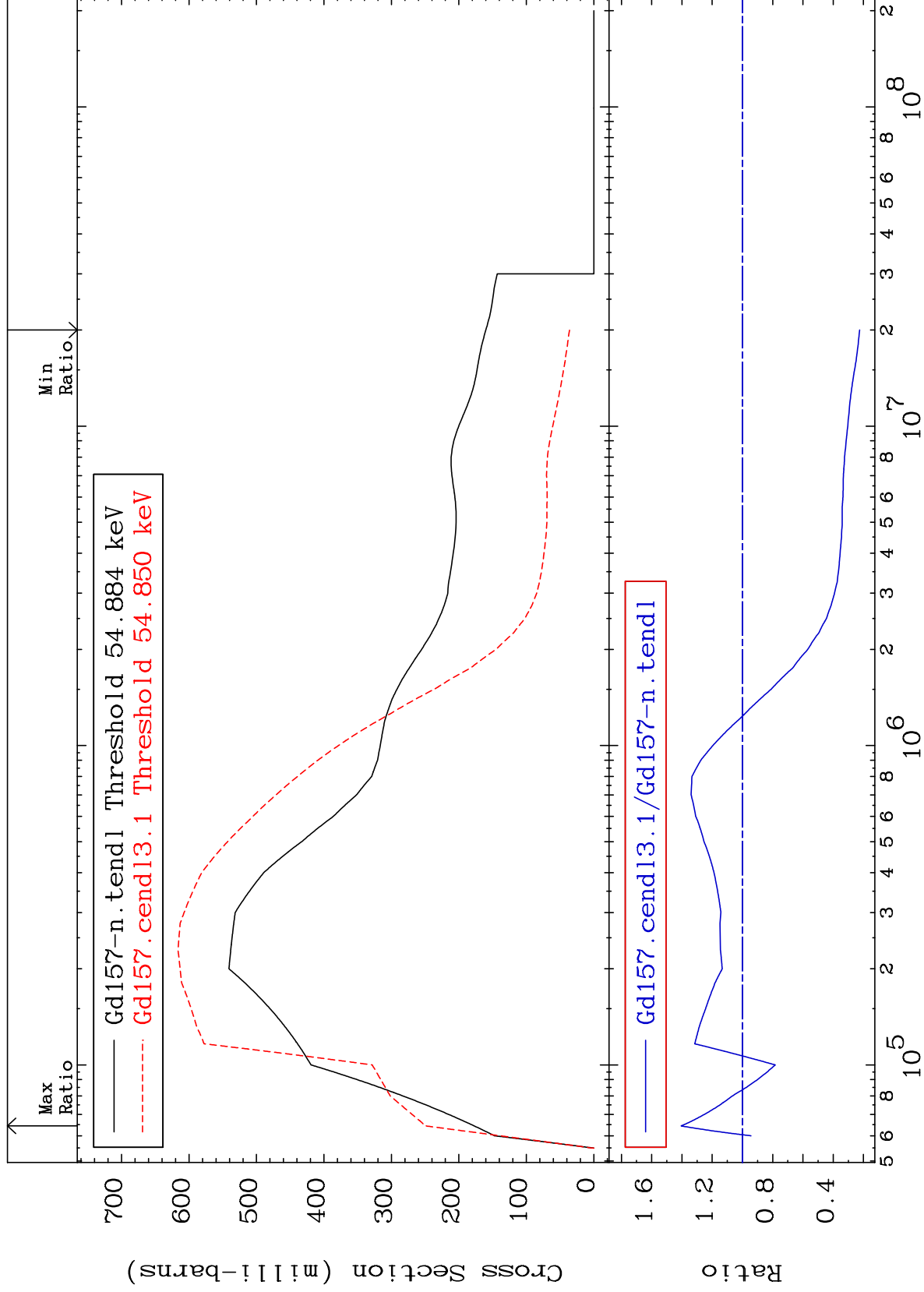
Incident Energy (eV)

64-Gd-157

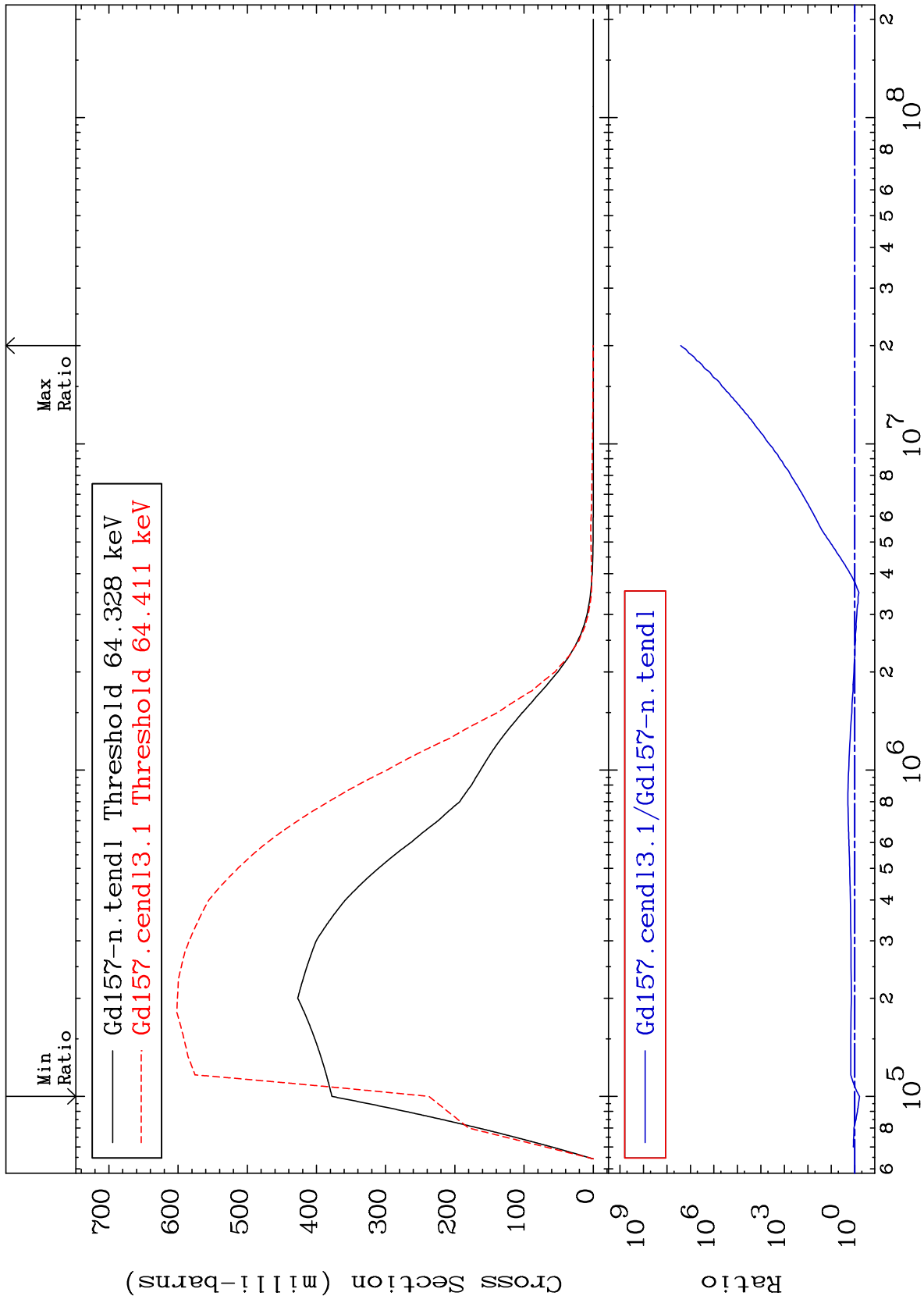
MAT 6440

54.53 keV (n,n') Level
Cross Section

64-Gd-157
-77.46 To 40.50 %



MAT 6440 63.92 keV (n,n') Level 64-Gd-157
 Cross Section -37.10 To 9999. %

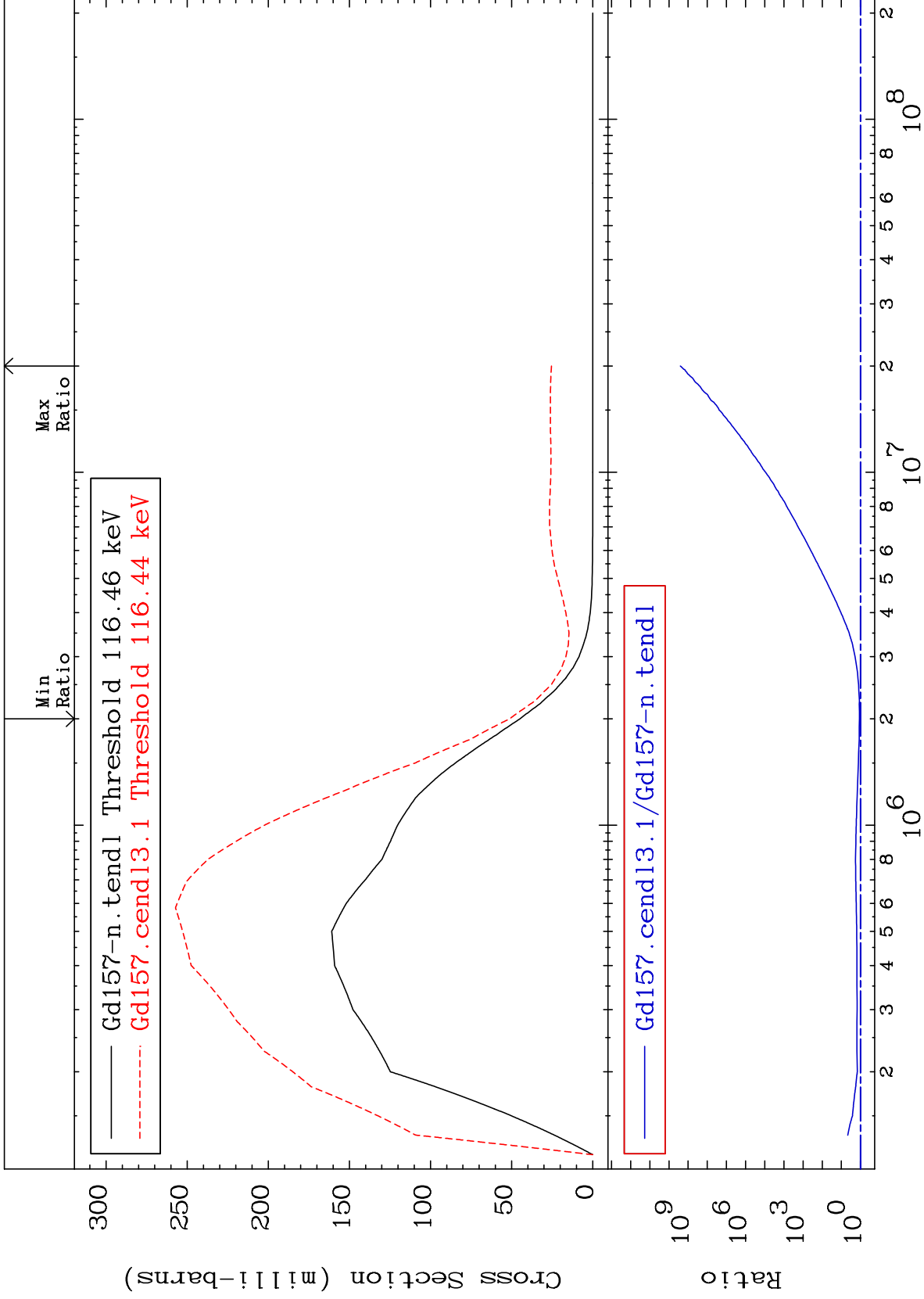


9 Incident Energy (eV) 64-Gd-157

MAT 6440

115.7 keV (n,n') Level
Cross Section

64-Gd-157
14.34 To 9999. %



10

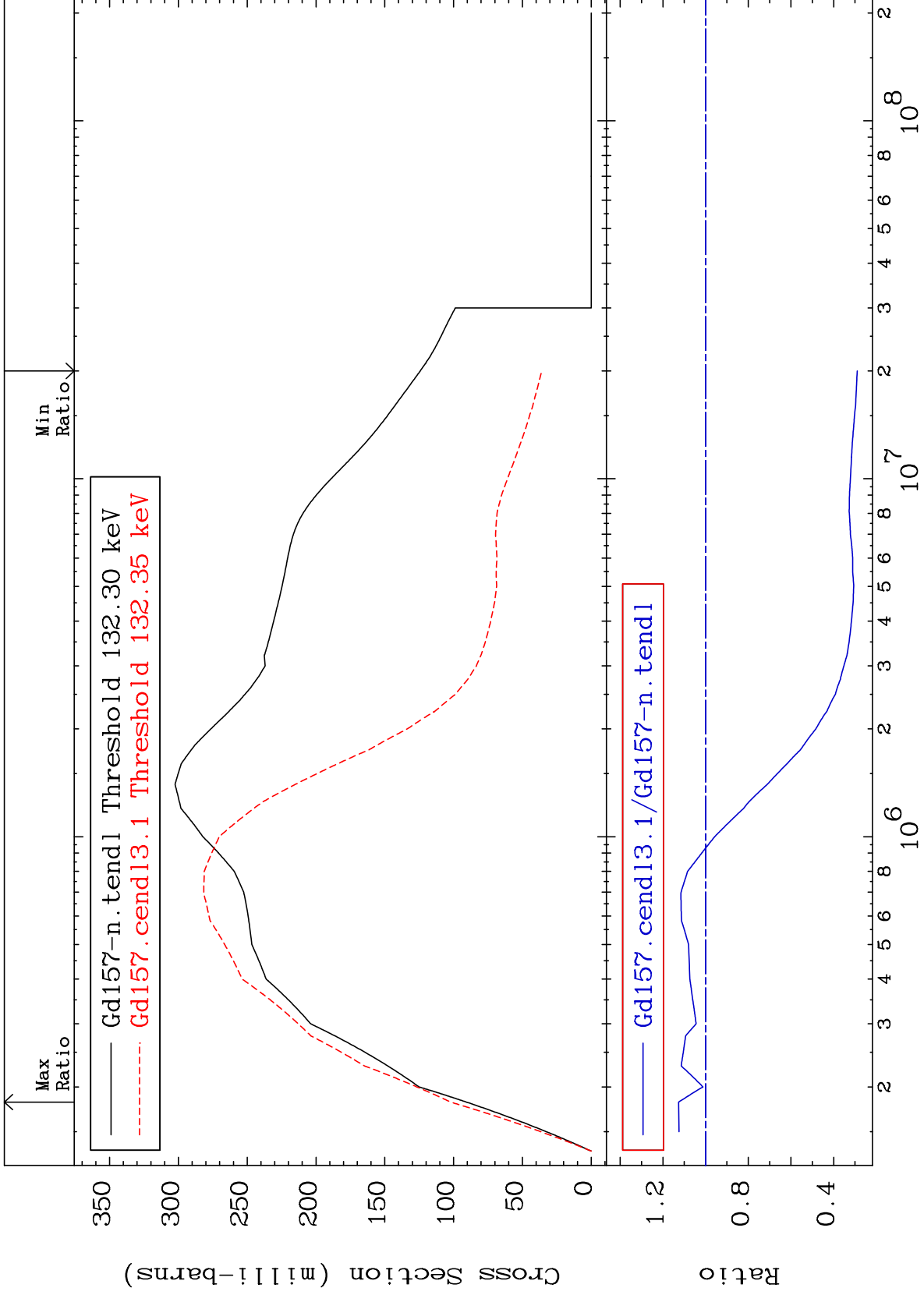
Incident Energy (eV)

64-Gd-157

MAT 6440

131.5 keV (n,n') Level
Cross Section

64-Gd-157
-71.06 To 12.63 %

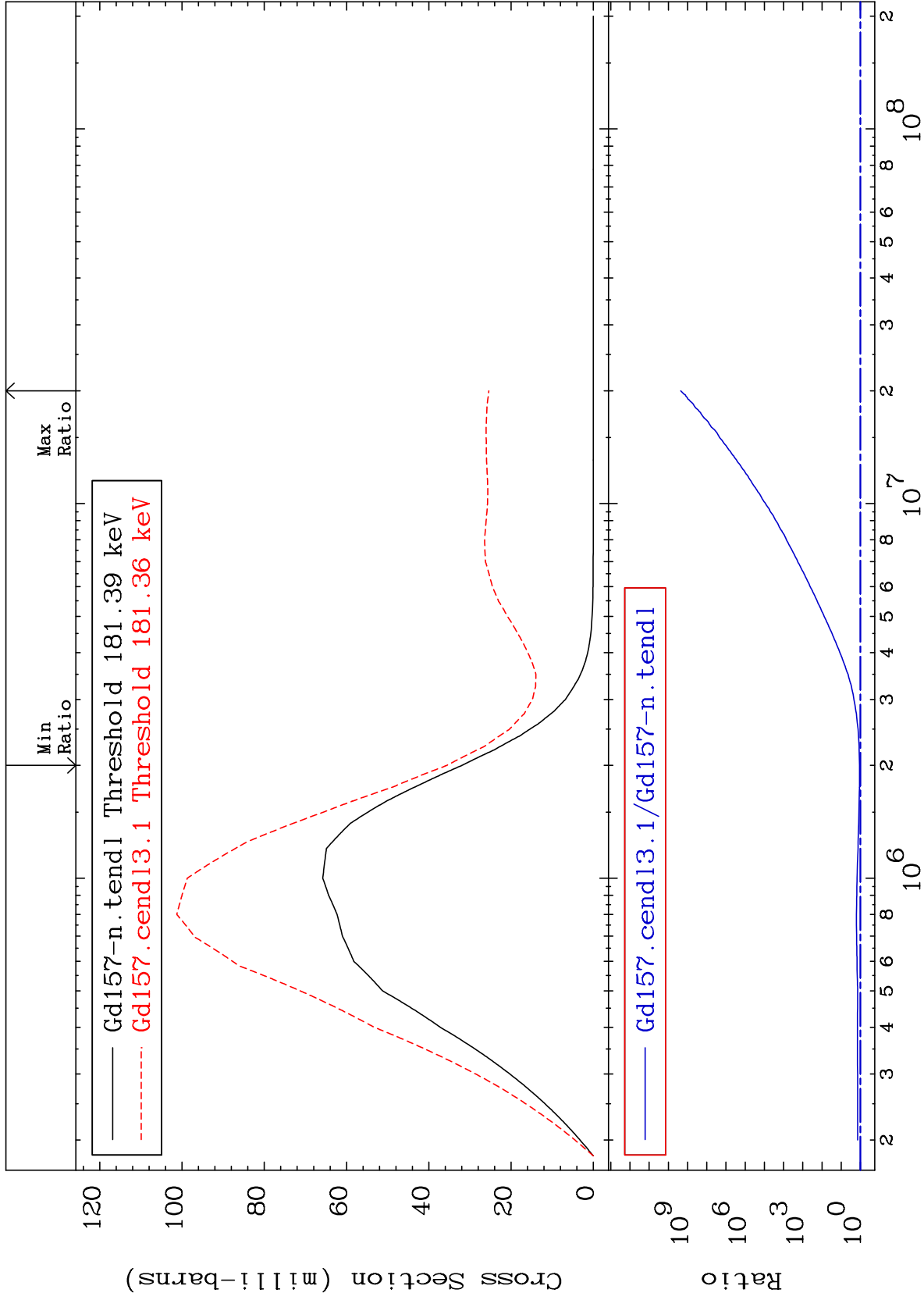


MAT 6440

180.2 keV (n,n') Level

64-Gd-157

Cross Section
11.42 To 9999. %



12

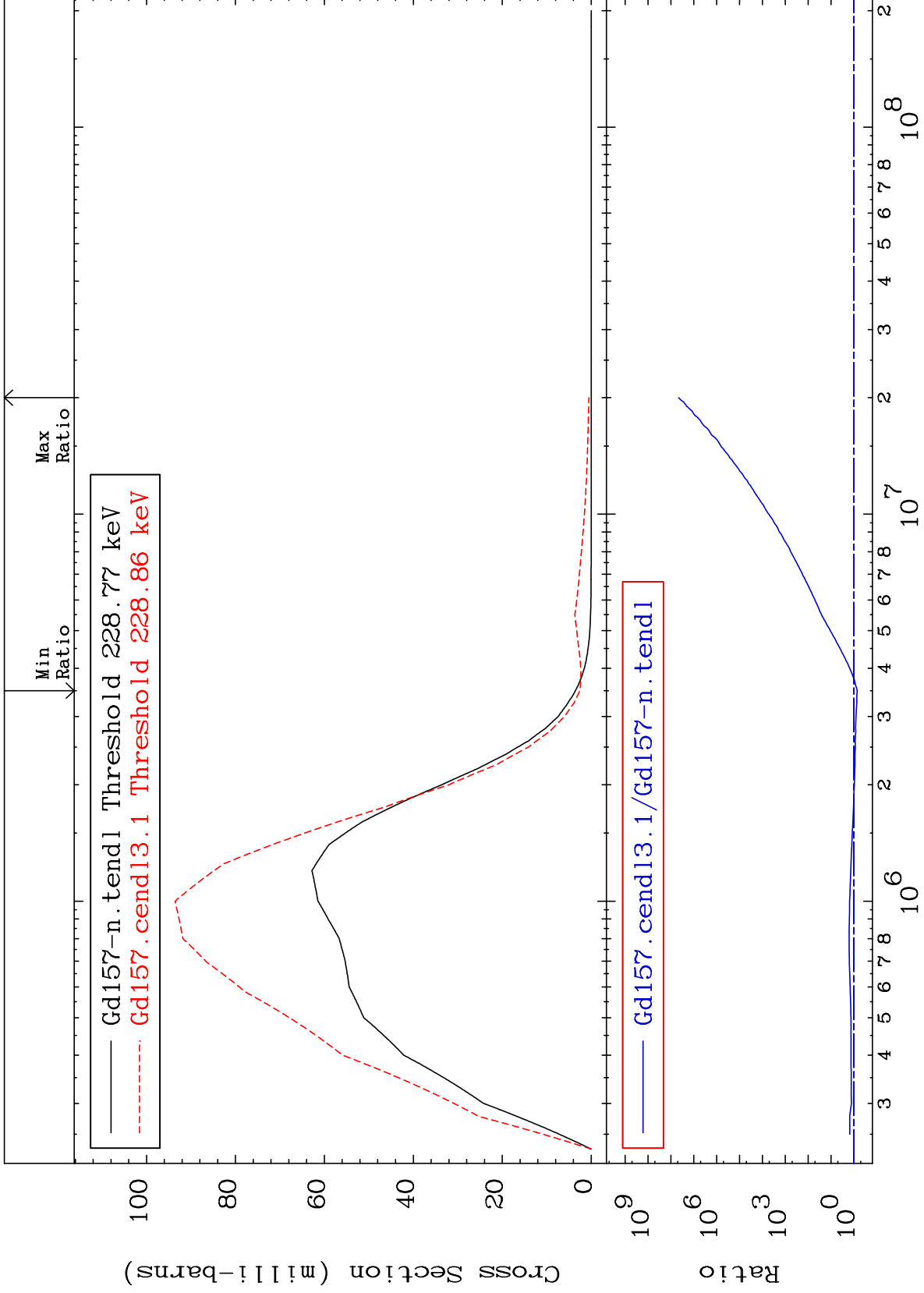
Incident Energy (eV)

64-Gd-157

MAT 6440

227.3 keV (n,n') Level
Cross Section

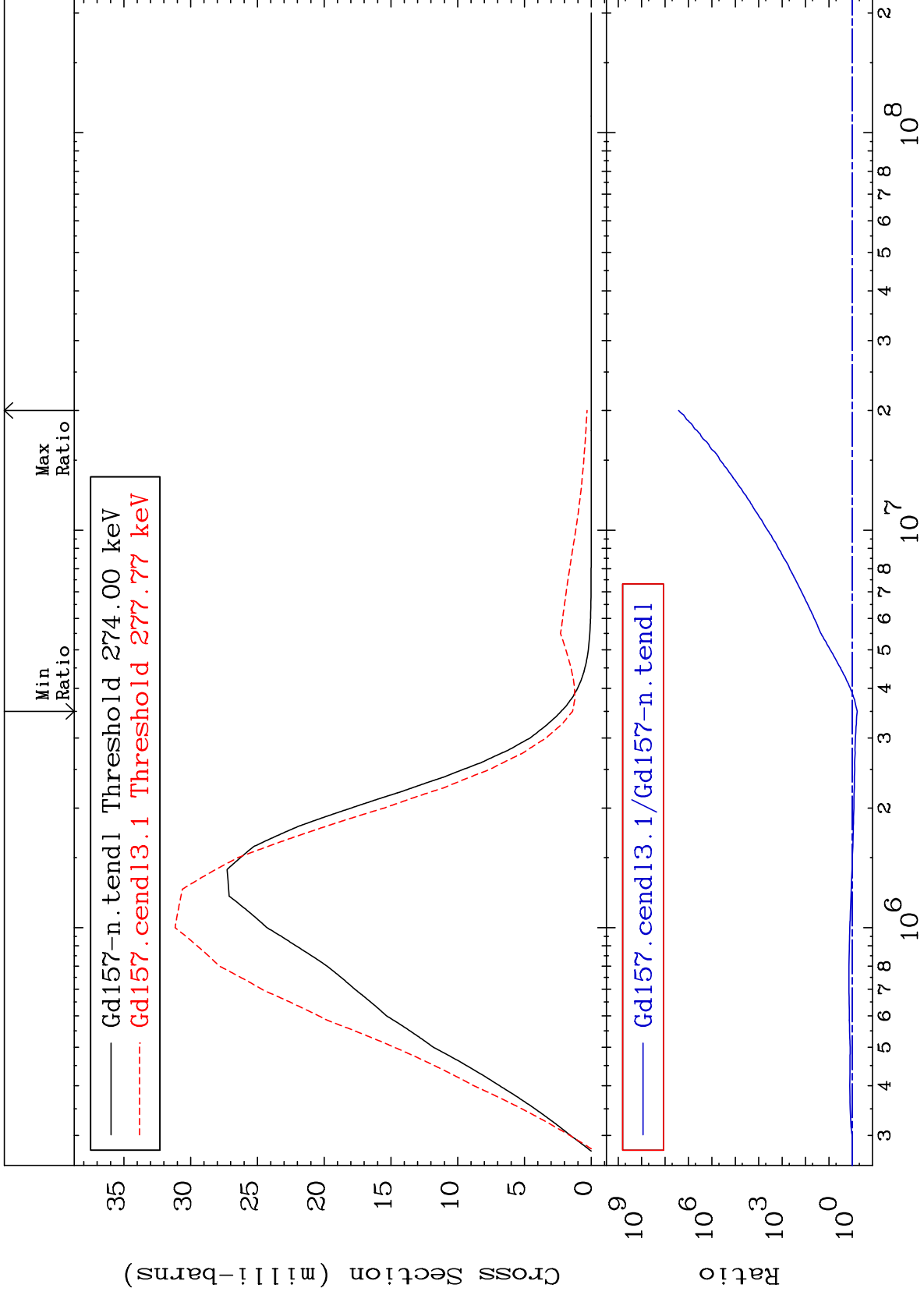
64-Gd-157
-29.15 To 9999. %



MAT 6440

272.3 keV (n,n') Level
Cross Section

64-Gd-157
-38.22 To 9999. %



14

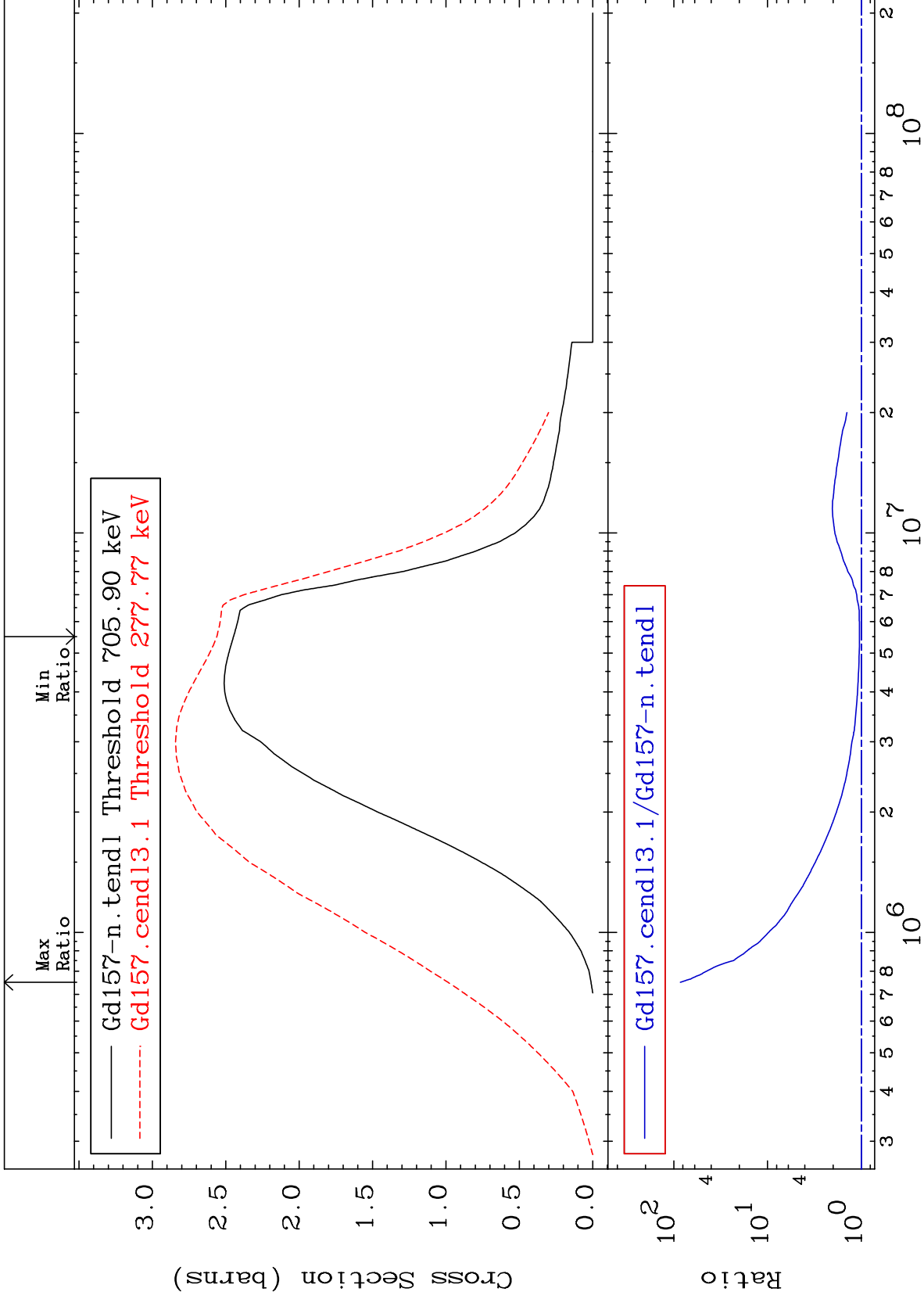
Incident Energy (eV)

64-Gd-157

MAT 6440

(n, n') Continuum
Cross Section

64-Gd-157
4.661 To 8414. %

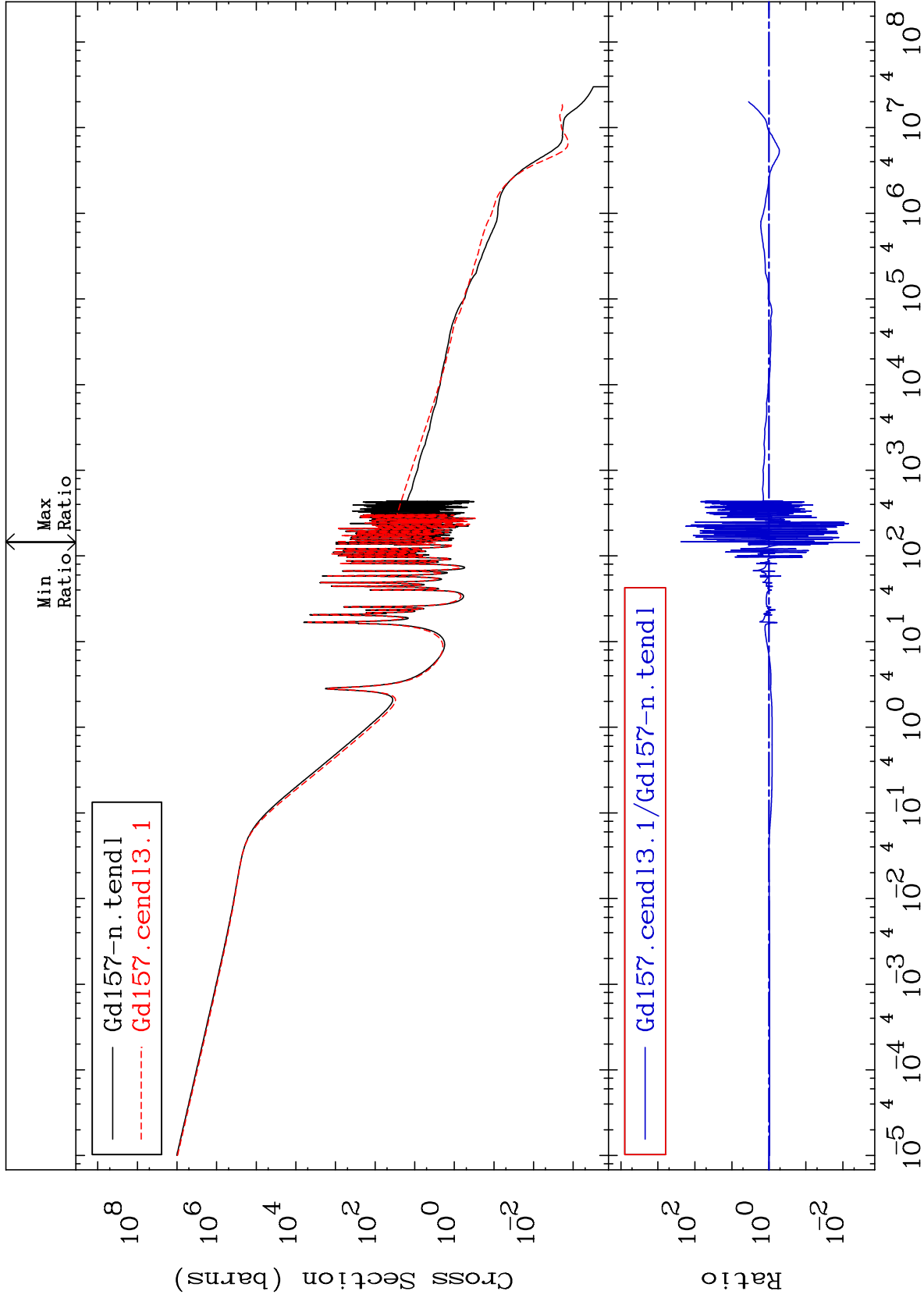


15

64-Gd-157

MAT 6440

(n, γ)
Cross Section
64-Gd-157
-99.64 To 9999. %



16

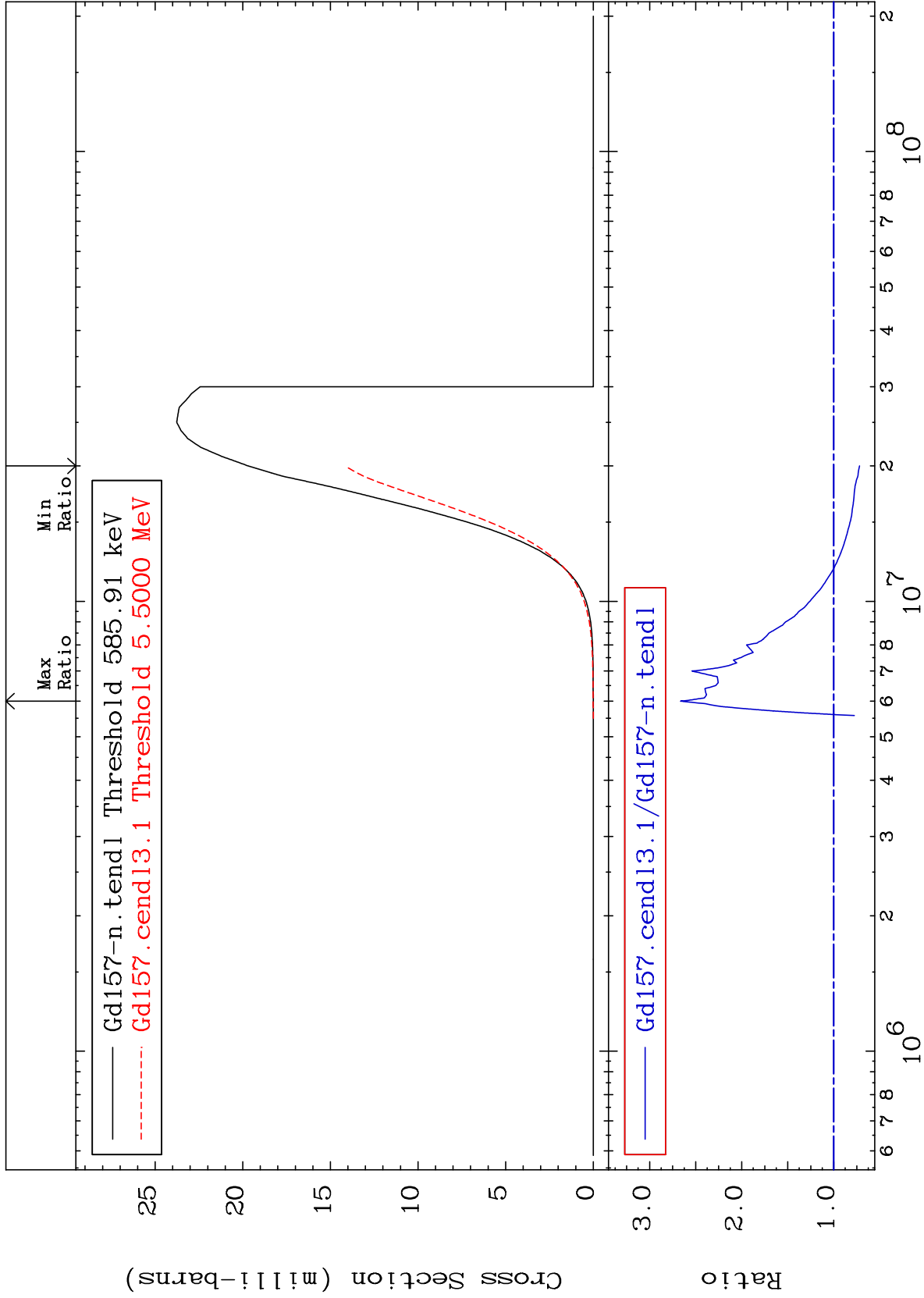
Incident Energy (eV)

64-Gd-157

MAT 6440

64-Gd-157

(n,p)
Cross Section
-28.00 To 166.2 %



17

Incident Energy (eV)

64-Gd-157

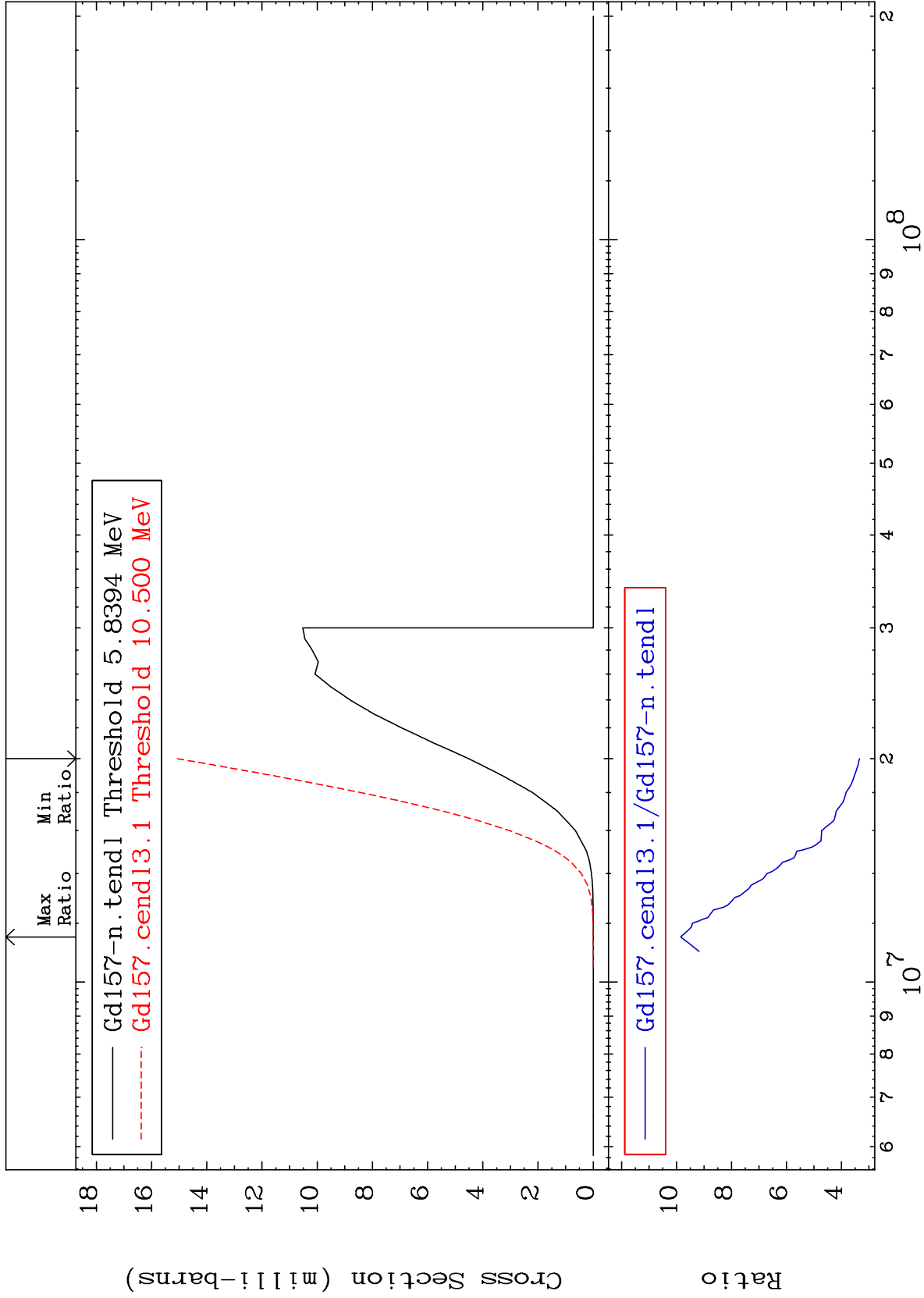
MAT 6440

(n, d)

64-Gd-157

Cross Section

233.8 To 884.6 %



18

Incident Energy (eV)

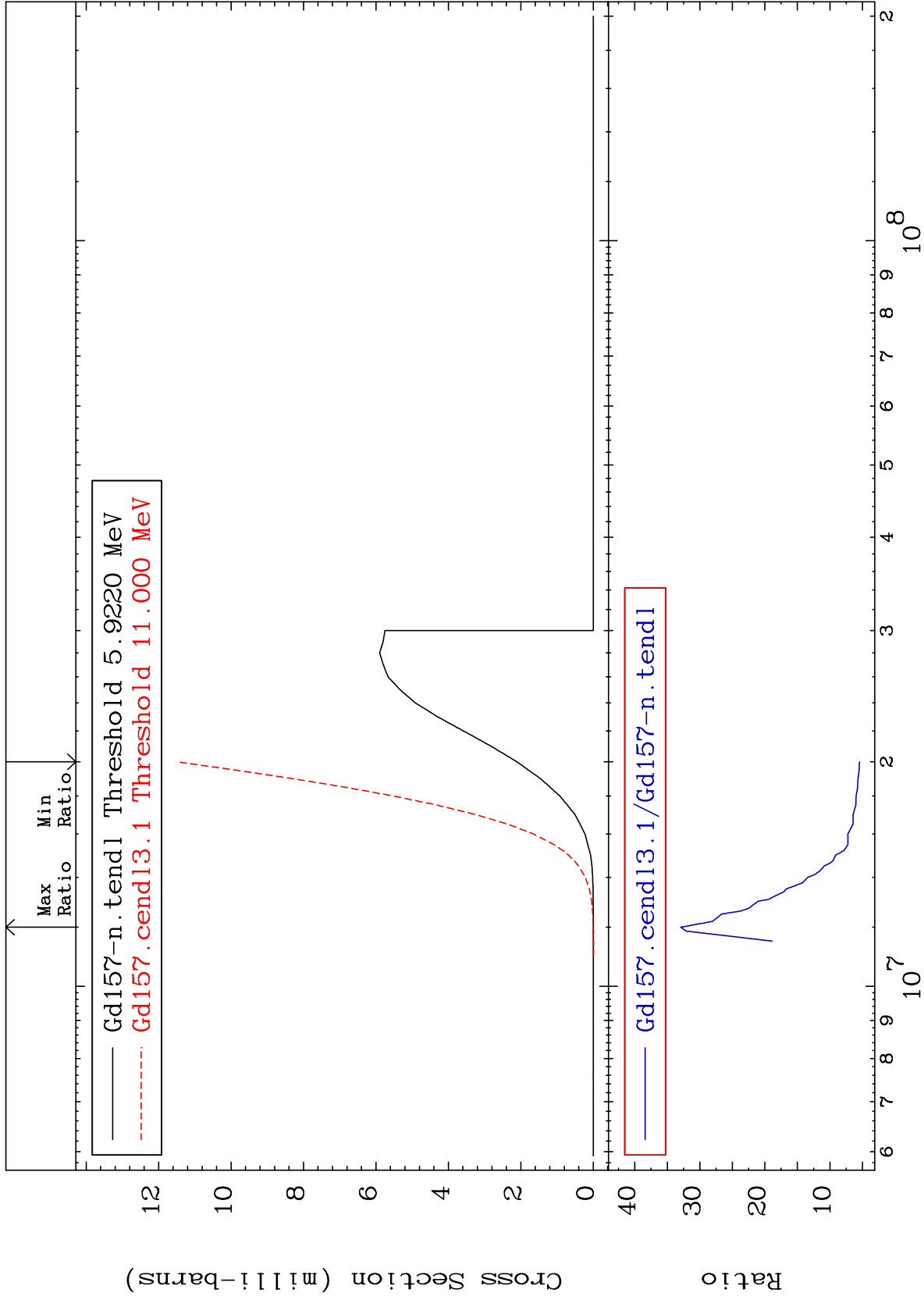
64-Gd-157

MAT 6440

64-Gd-157

444.6 To 3193. %

(n, t)
Cross Section



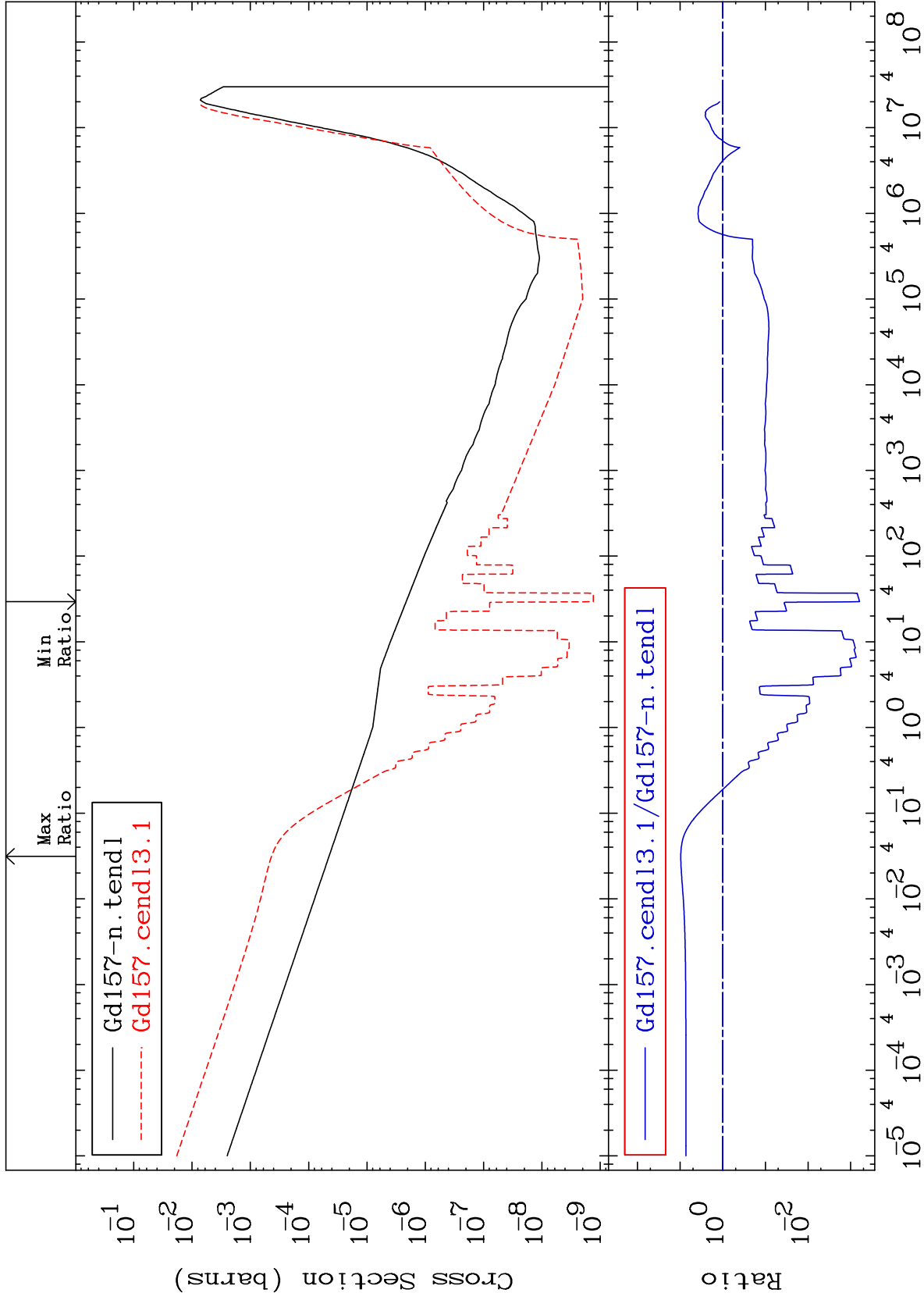
MAT 6440

(n, α)

64-Gd-157

Cross Section

-99.94 To 866.3 %



20

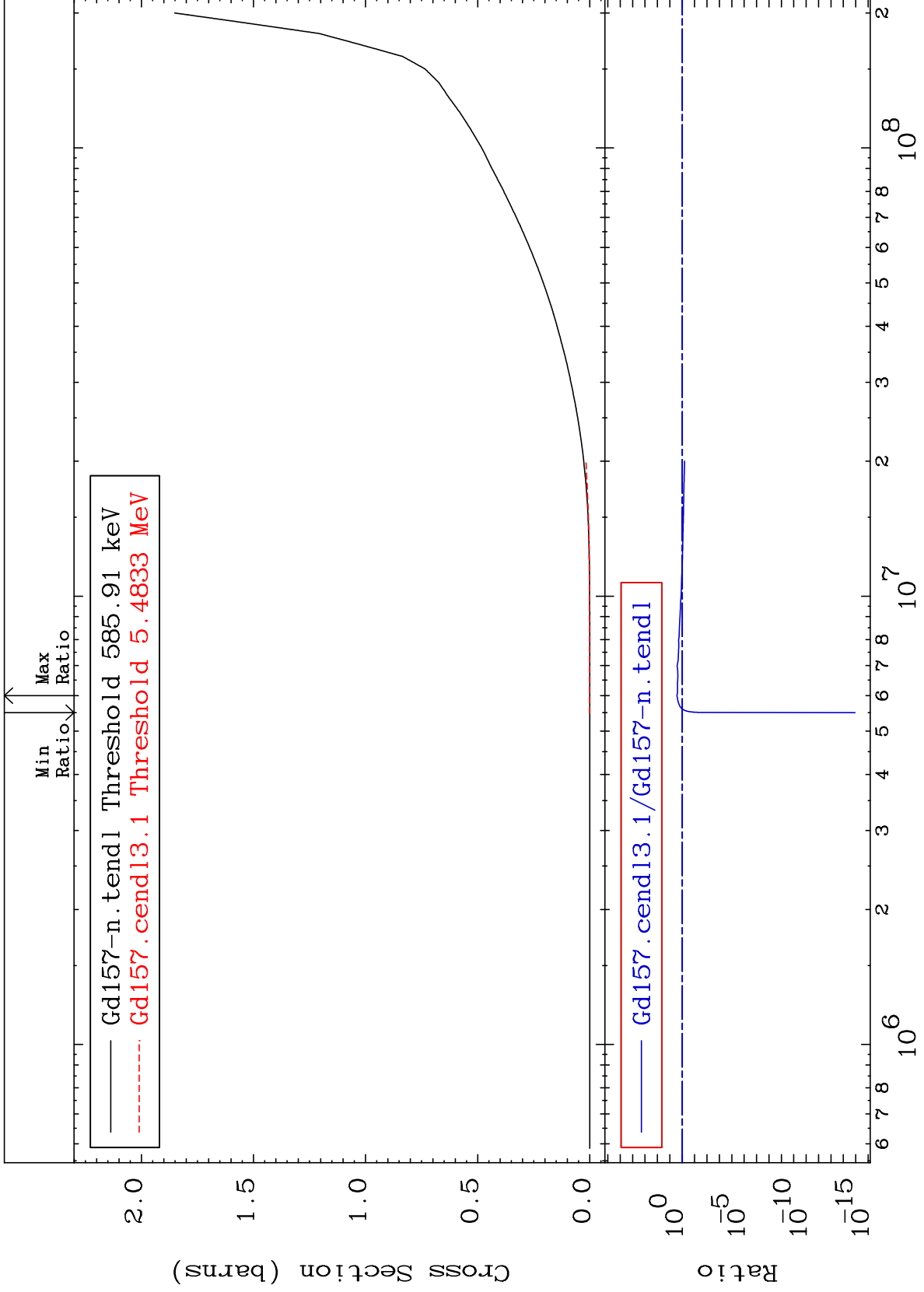
Incident Energy (eV)

64-Gd-157

MAT 6440

Hydrogen Production
Cross Section

64-Gd-157
-100.0 To 166.2 %



21

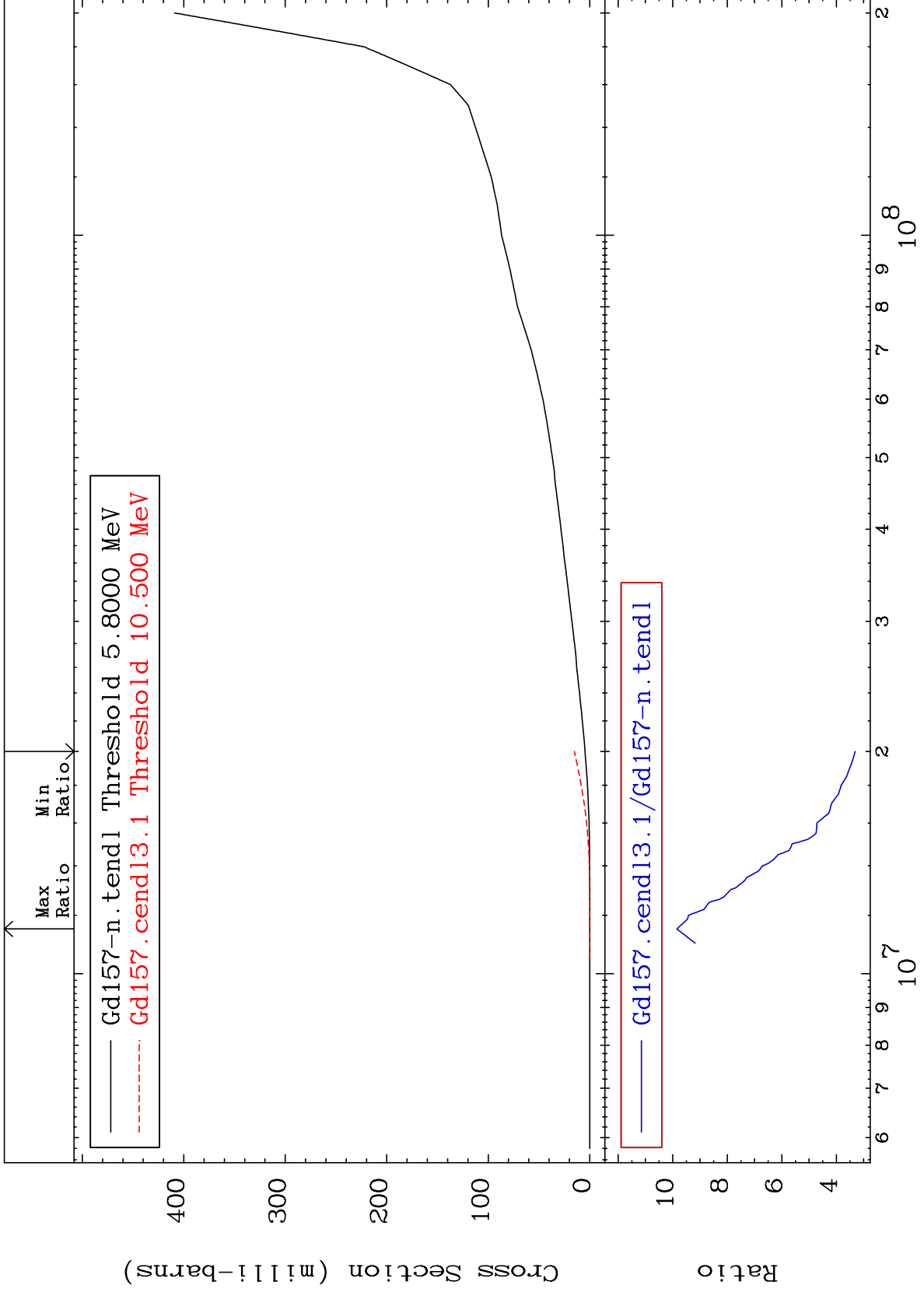
Incident Energy (eV)

64-Gd-157

MAT 6440

Deuterium Production
Cross Section

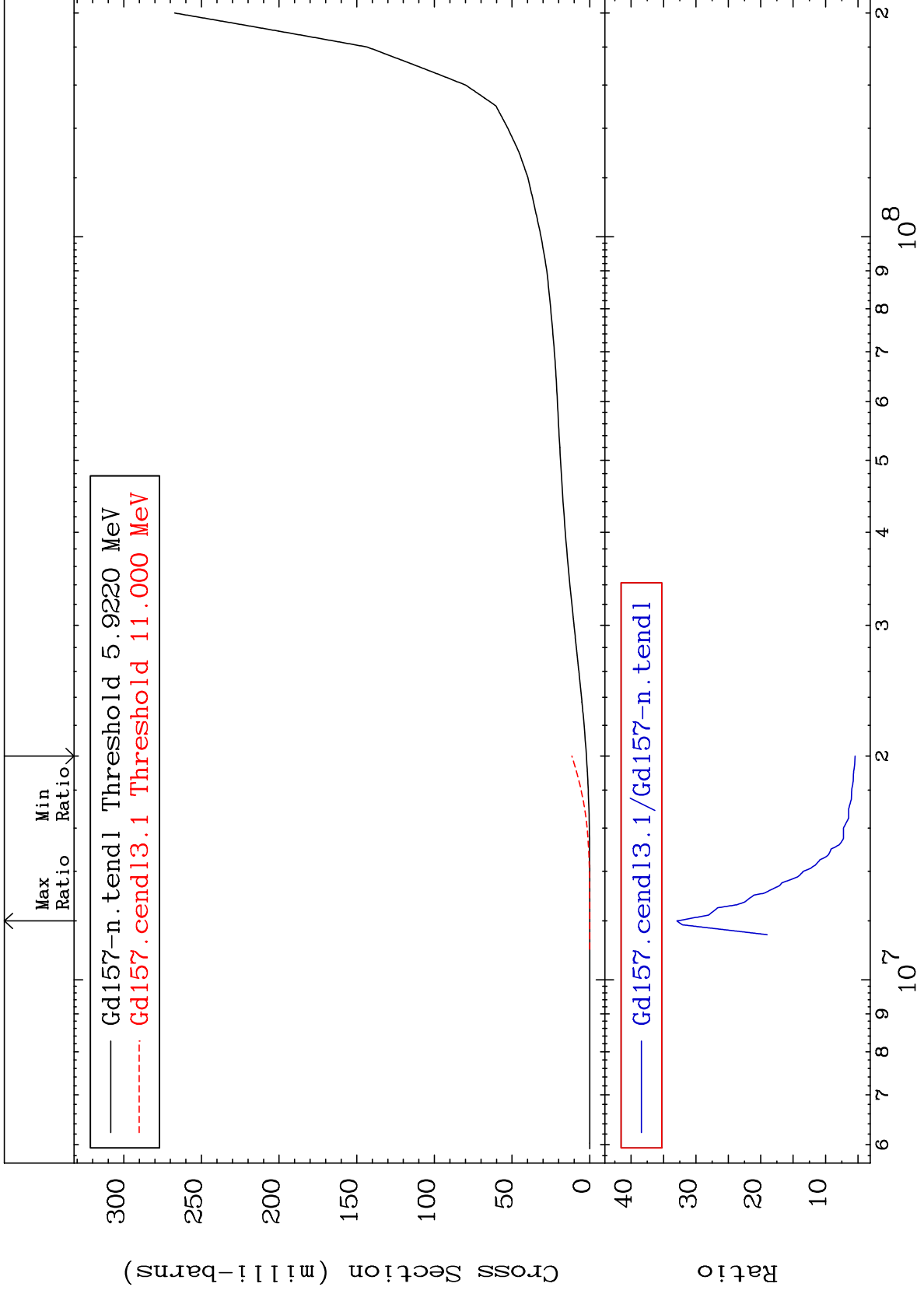
64-Gd-157
231.5 To 884.6 %



MAT 6440

Tritium Production
Cross Section

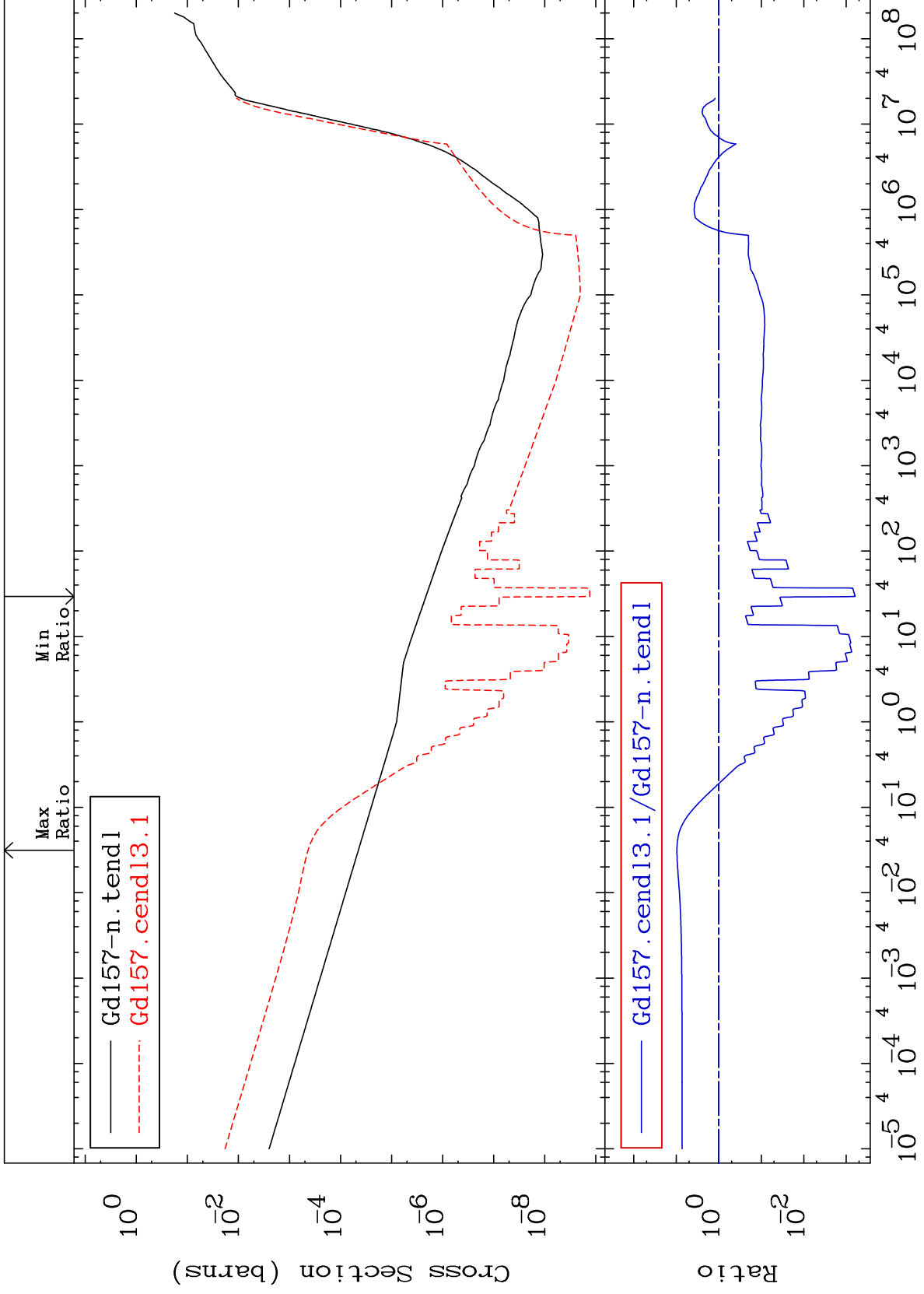
64-Gd-157
444.5 To 3193. %

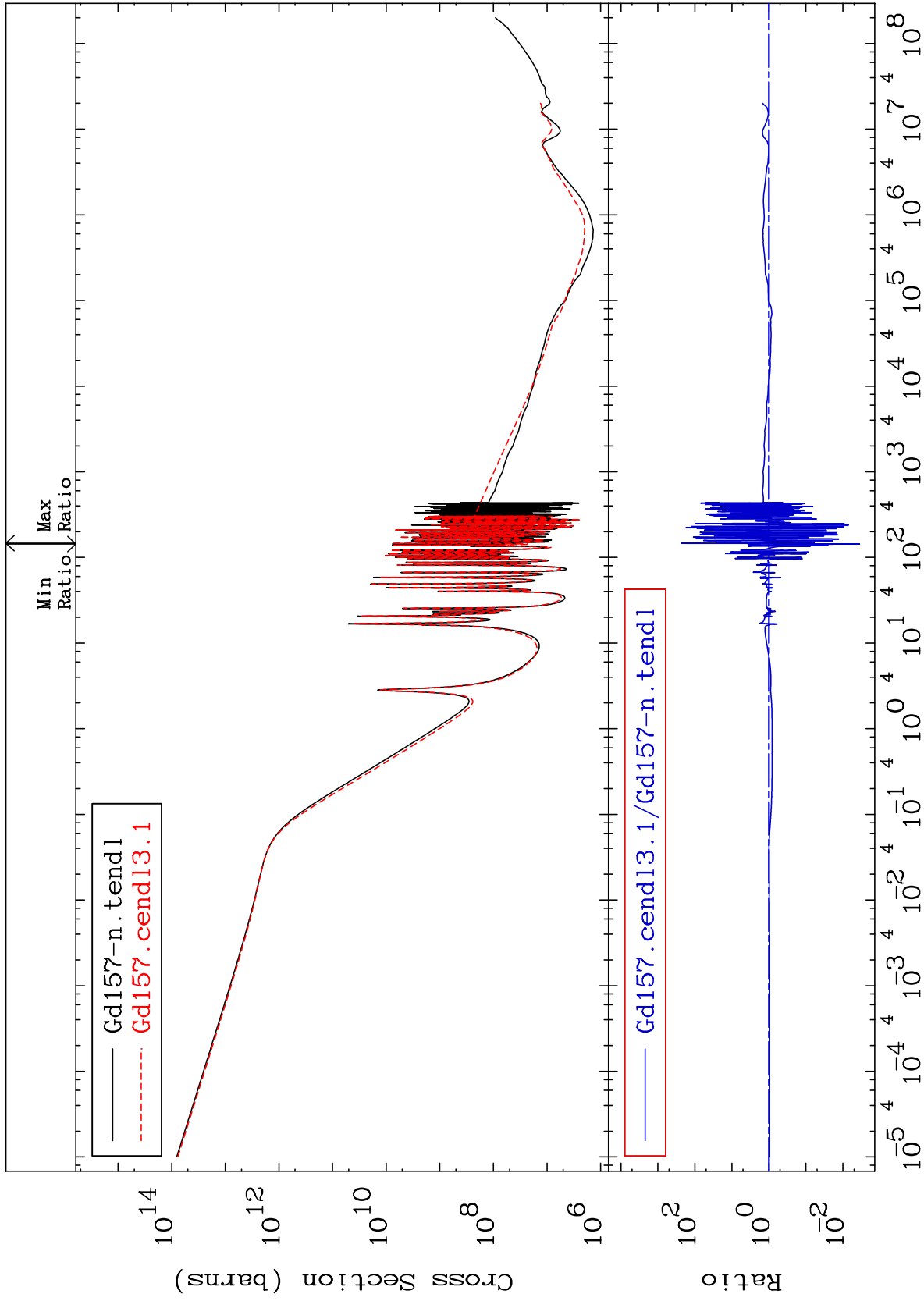


MAT 6440

He-4 Production
Cross Section

64-Gd-157
-99.94 To 866.3 %

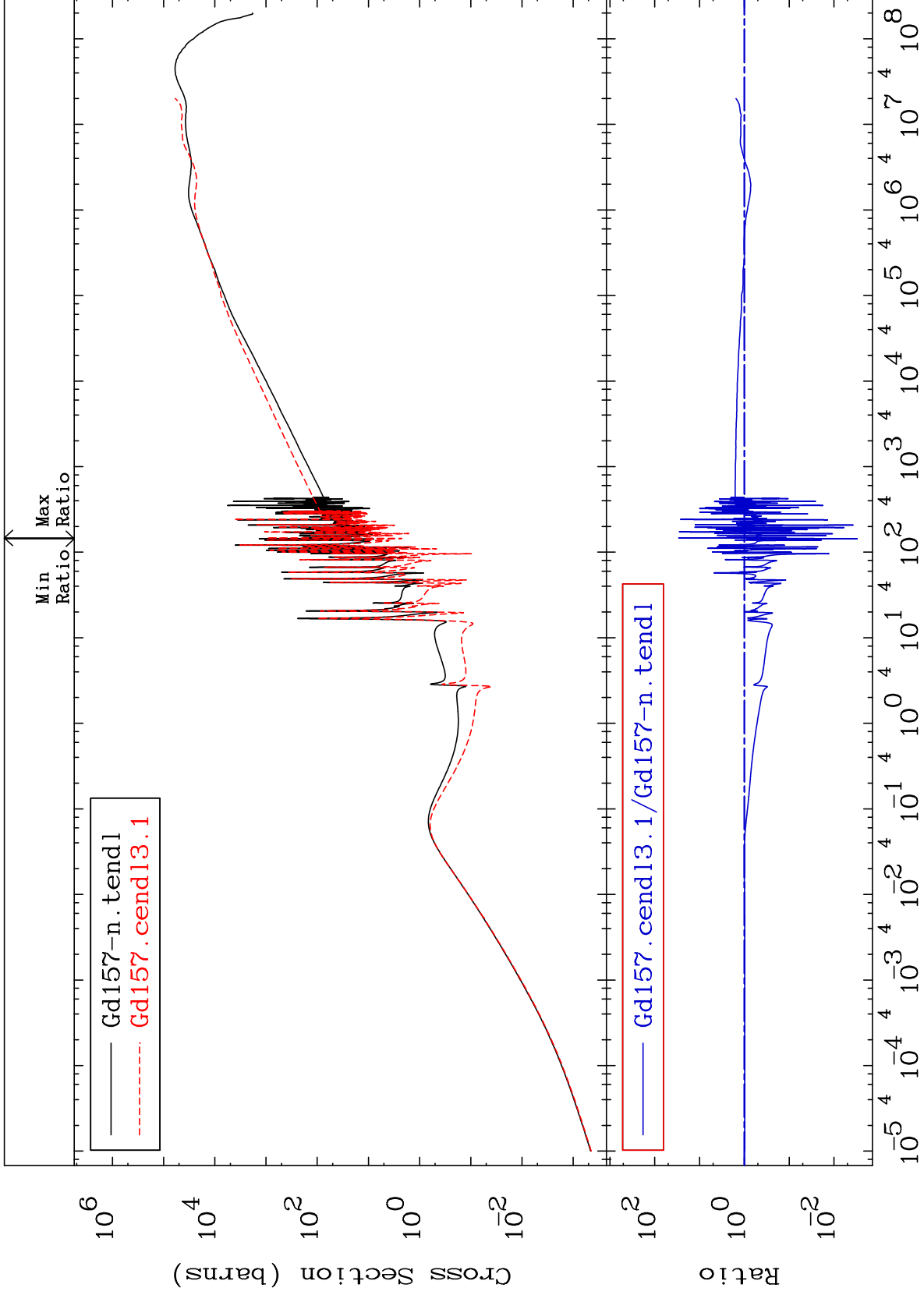




MAT 6440

Kerma elastic
Cross Section

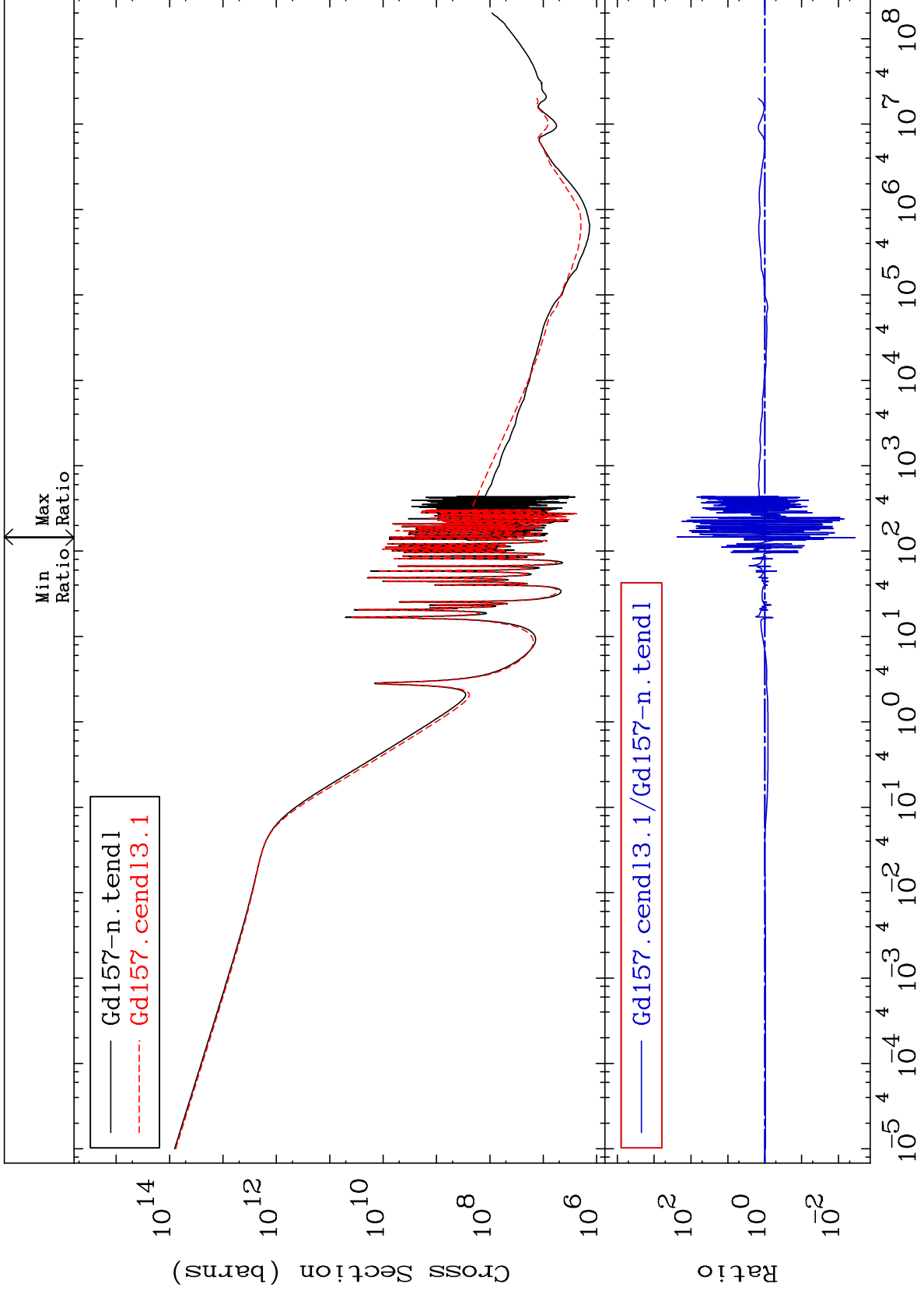
64-Gd-157
-99.70 To 2824. %

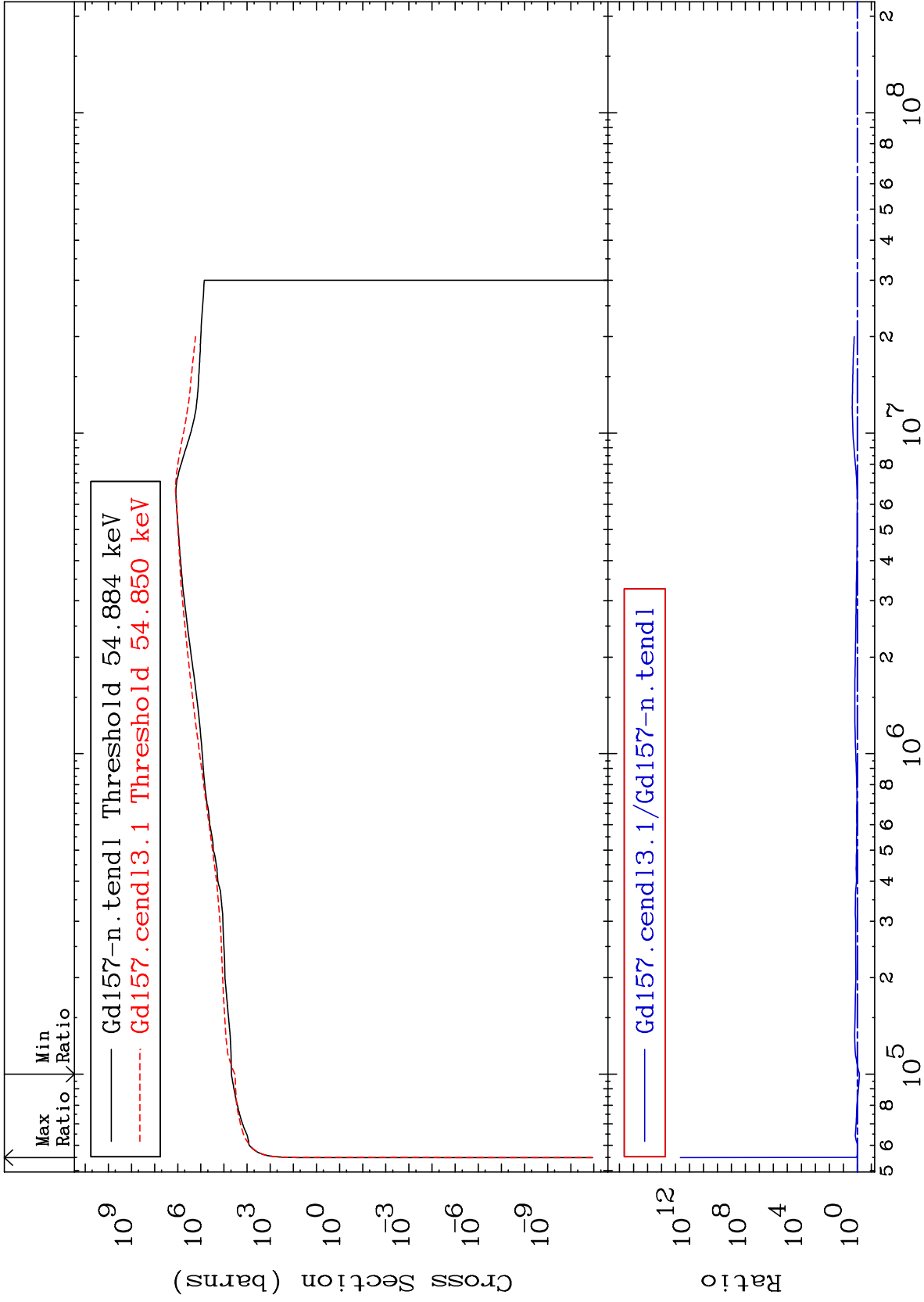


MAT 6440

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-157
-99.64 To 9999. %

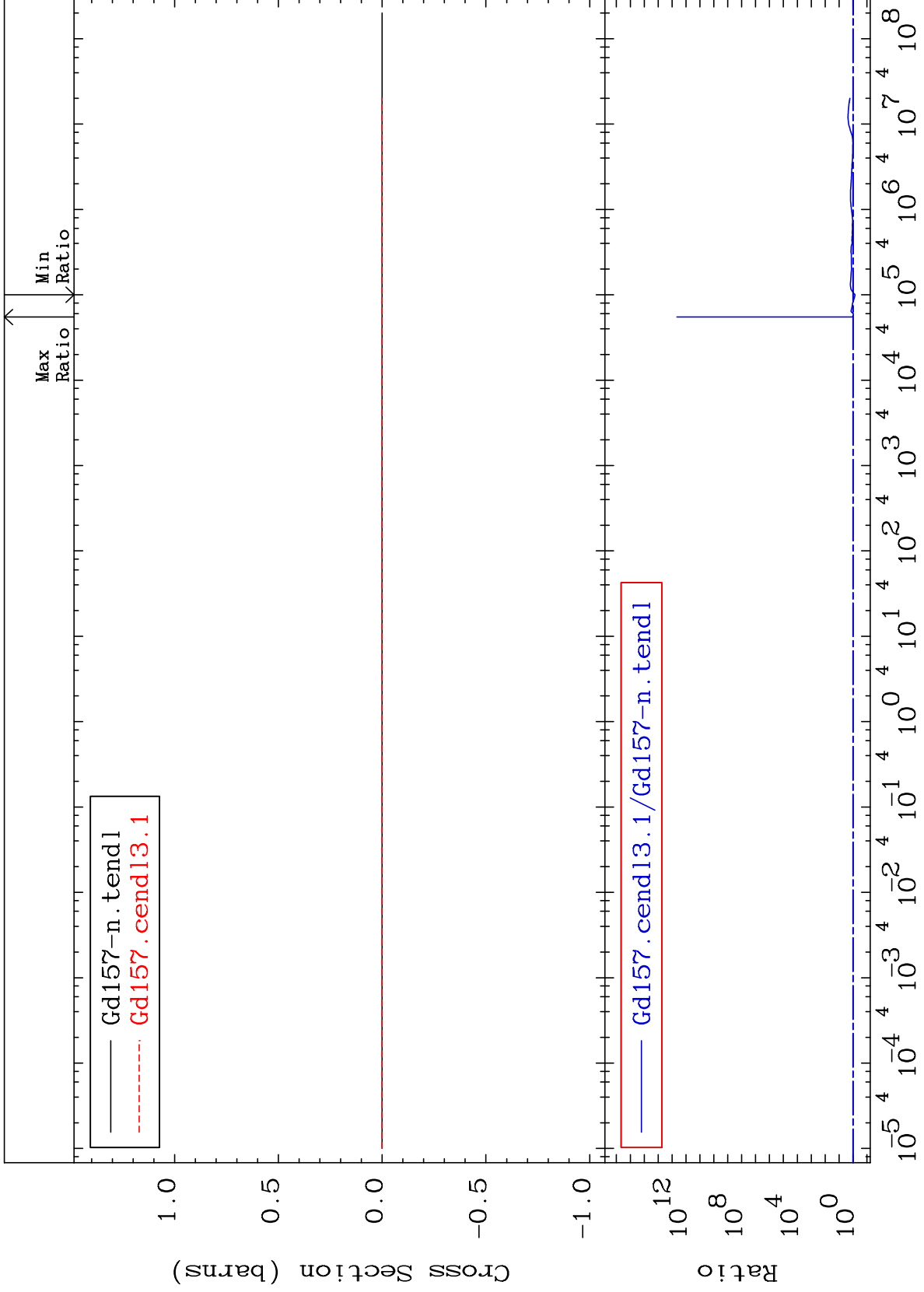




MAT 6440

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

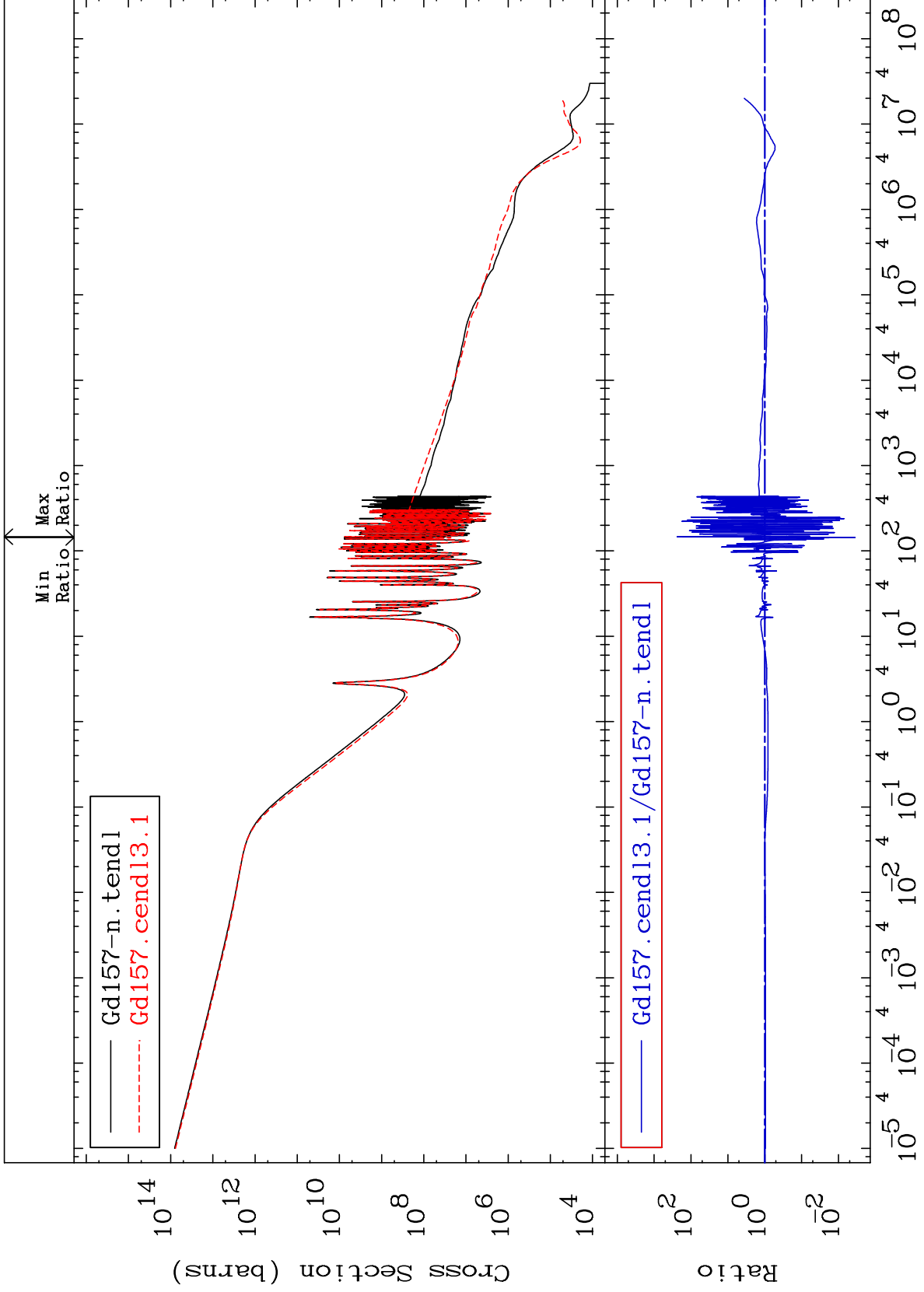
64-Gd-157
-29.42 To 9999. %



MAT 6440

Kerma capture (mt102)
Cross Section

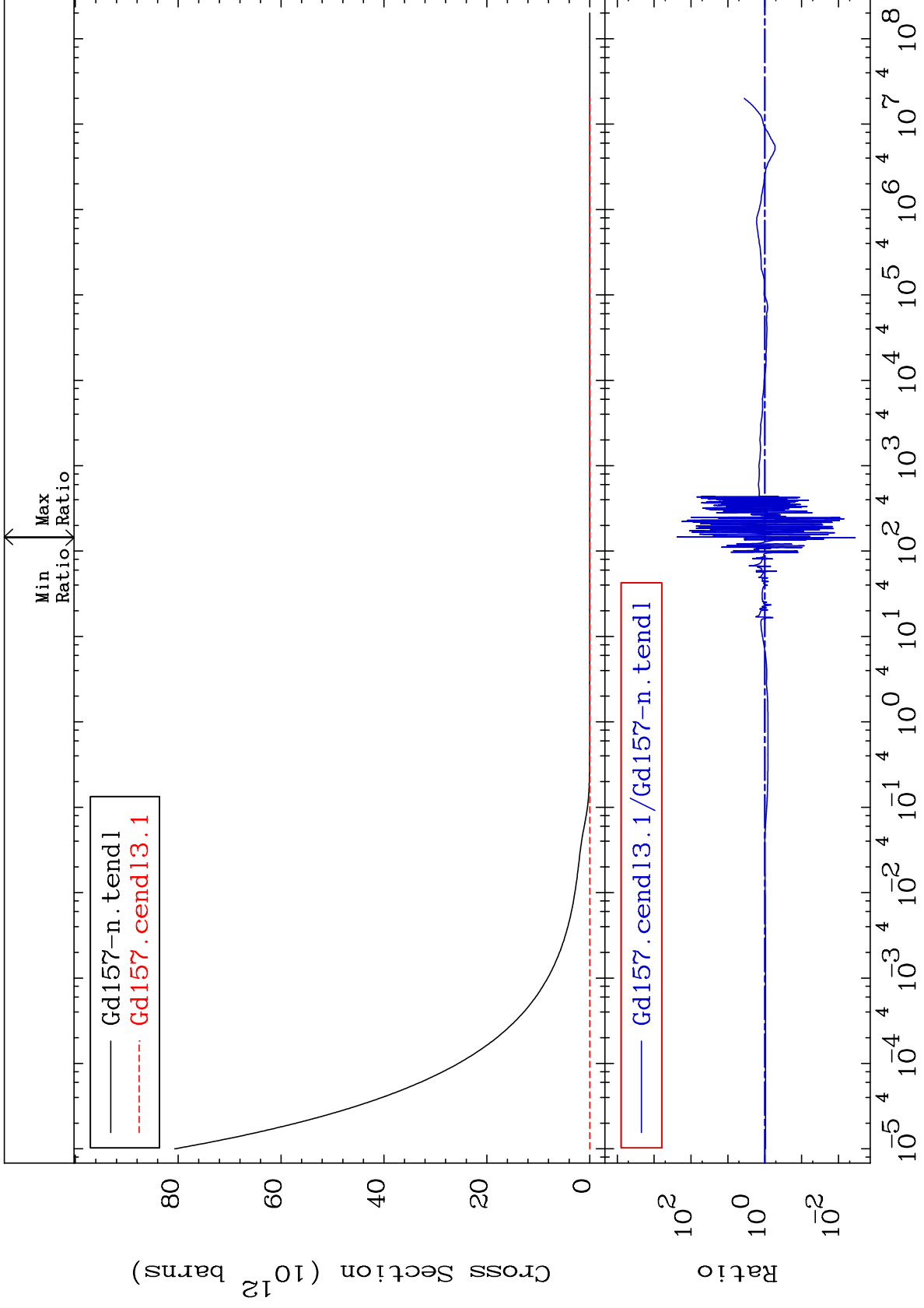
64-Gd-157
-99.64 To 9999. %

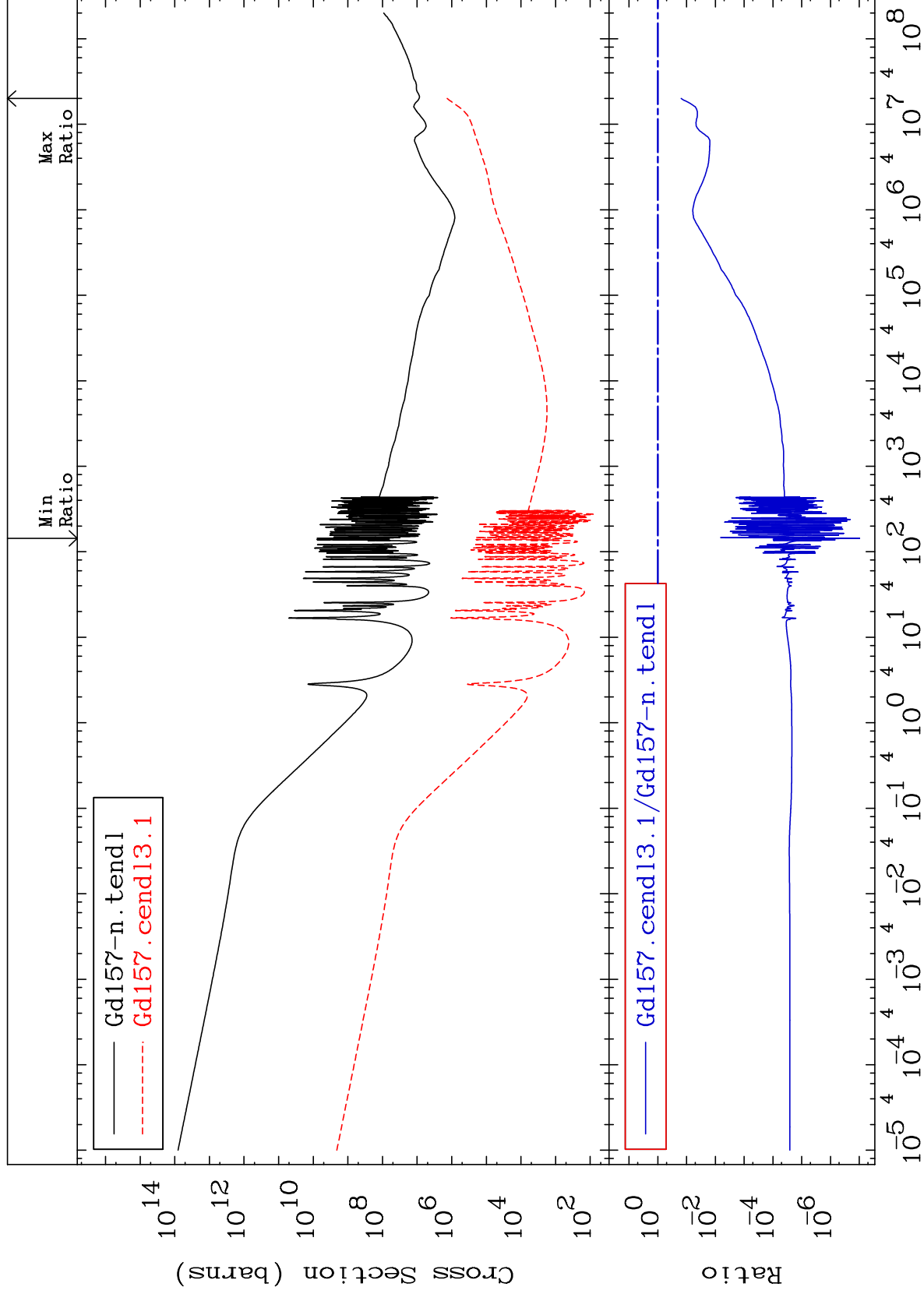


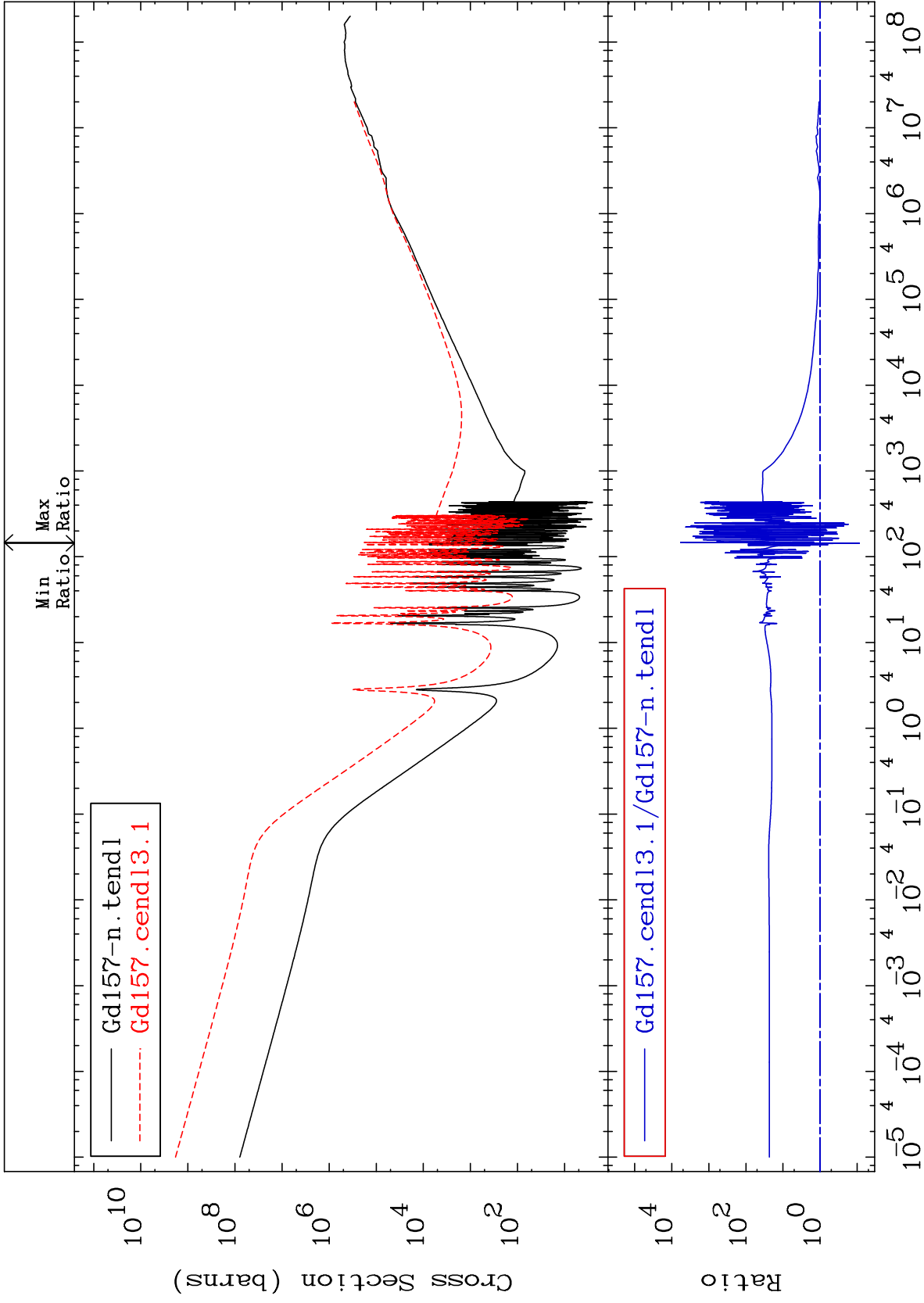
30

Incident Energy (eV)

64-Gd-157



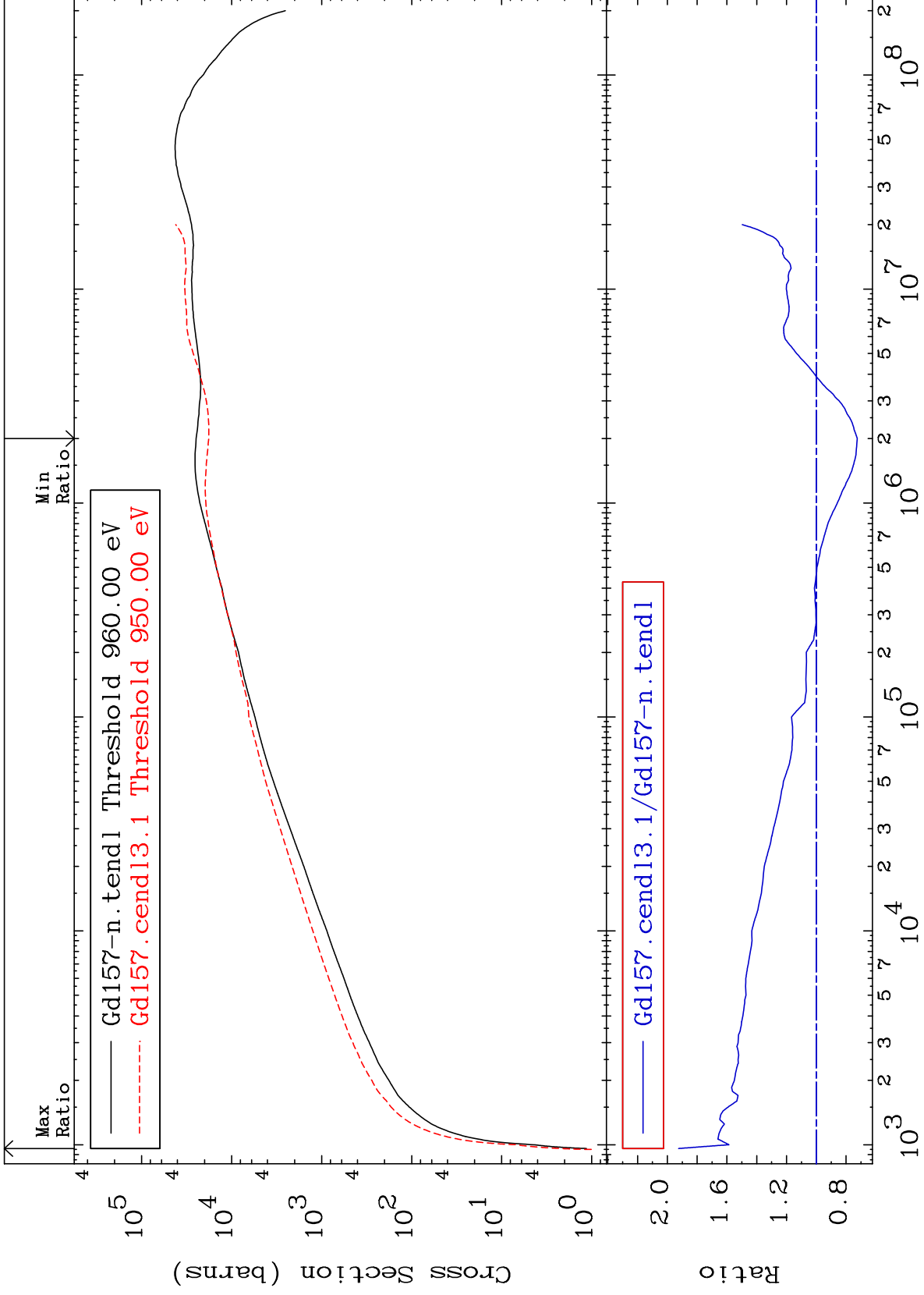




MAT 6440

Dpa elastic (mt2)
Cross Section

64-Gd-157
-27.48 To 92.42 %



34

Incident Energy (eV)

64-Gd-157

