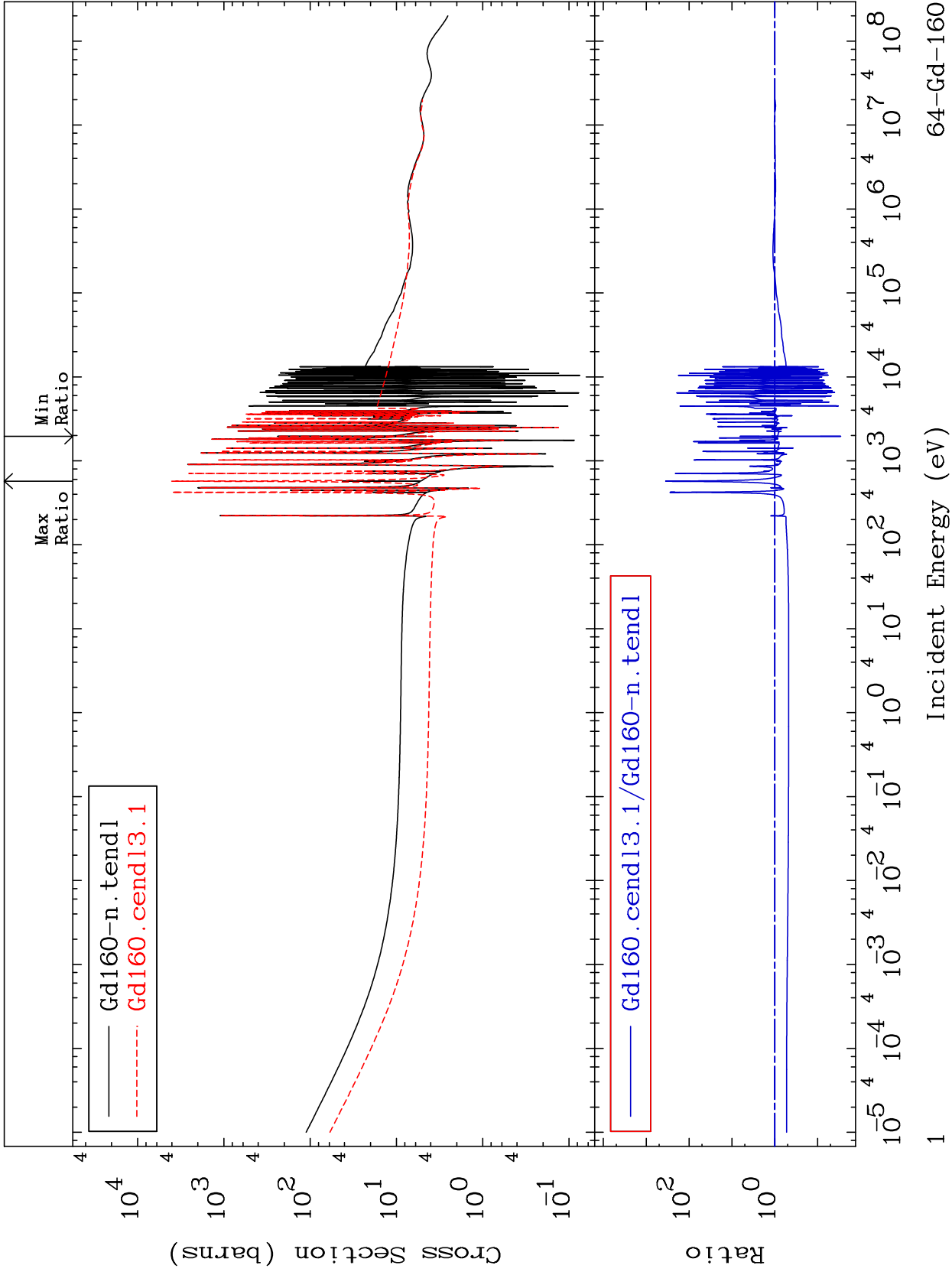


MAT 6449

Total
Cross Section

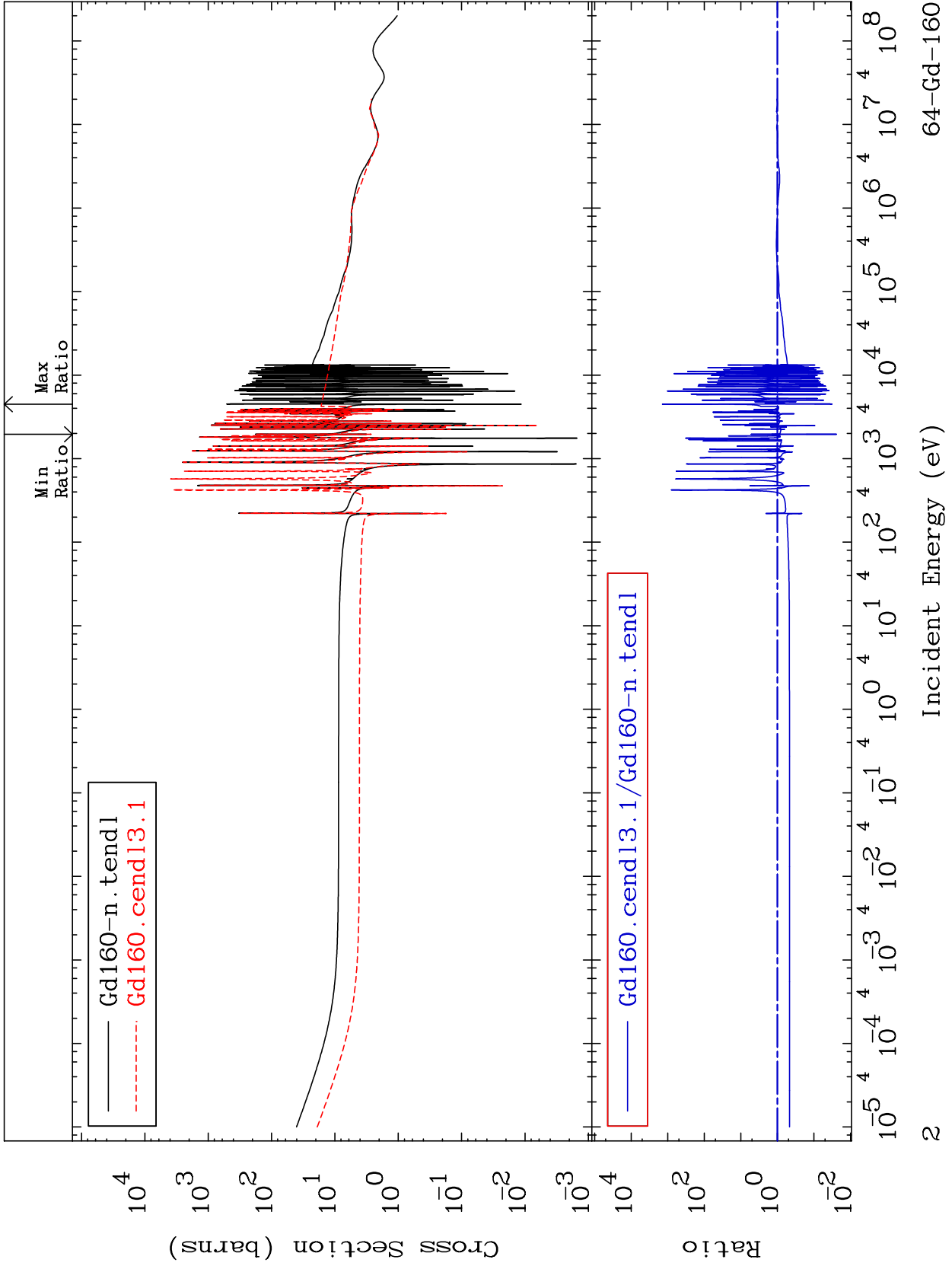
64-Gd-160
-97.11 To 9999. %



MAT 6449

Elastic
Cross Section

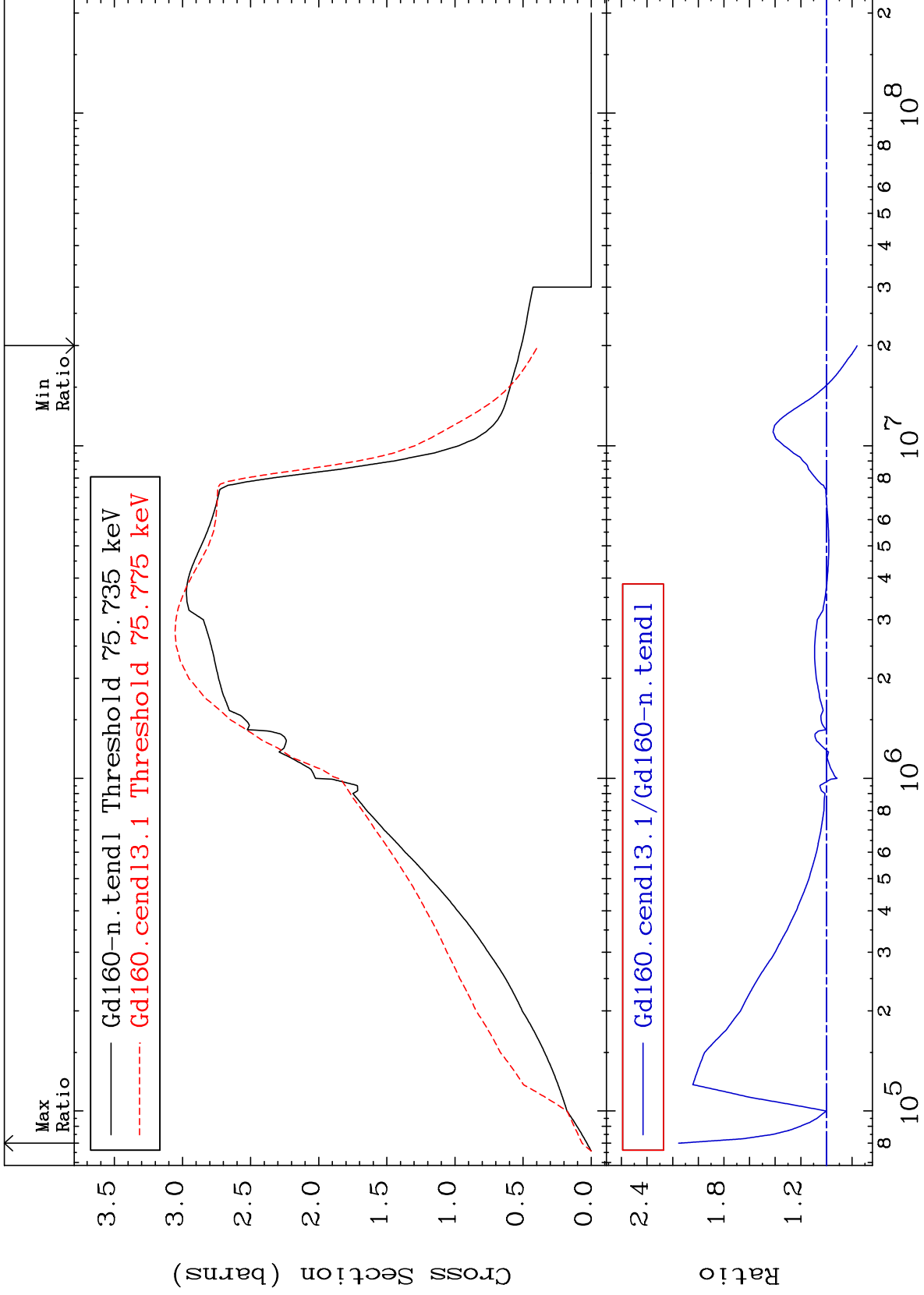
64-Gd-160
-97.60 To 9999. %



MAT 6449

Inelastic
Cross Section

64-Gd-160
-24.03 To 115.3 %



3

64-Gd-160

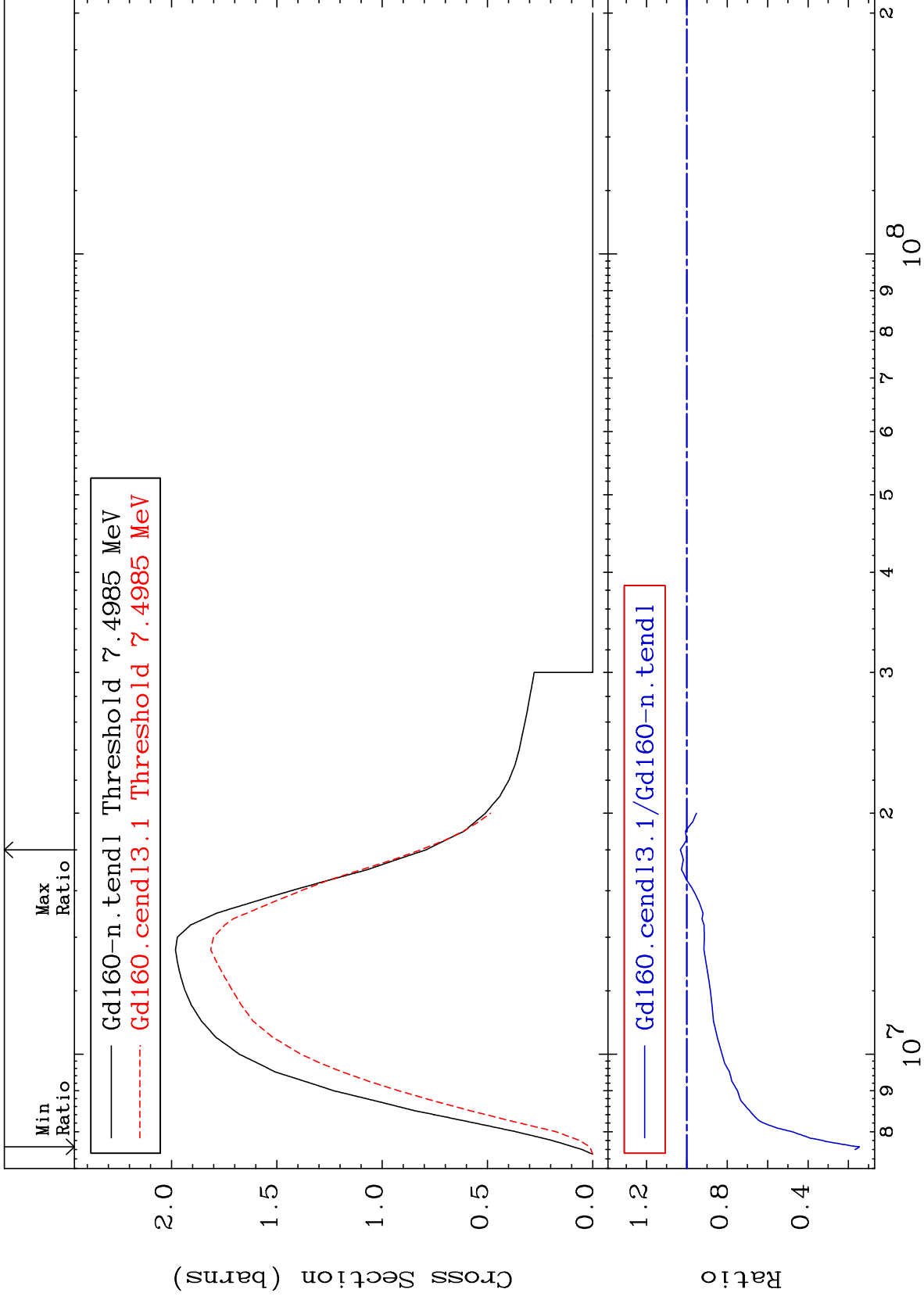
MAT 6449

(n,2n)

64-Gd-160

Cross Section

-85.45 To 3.211 %



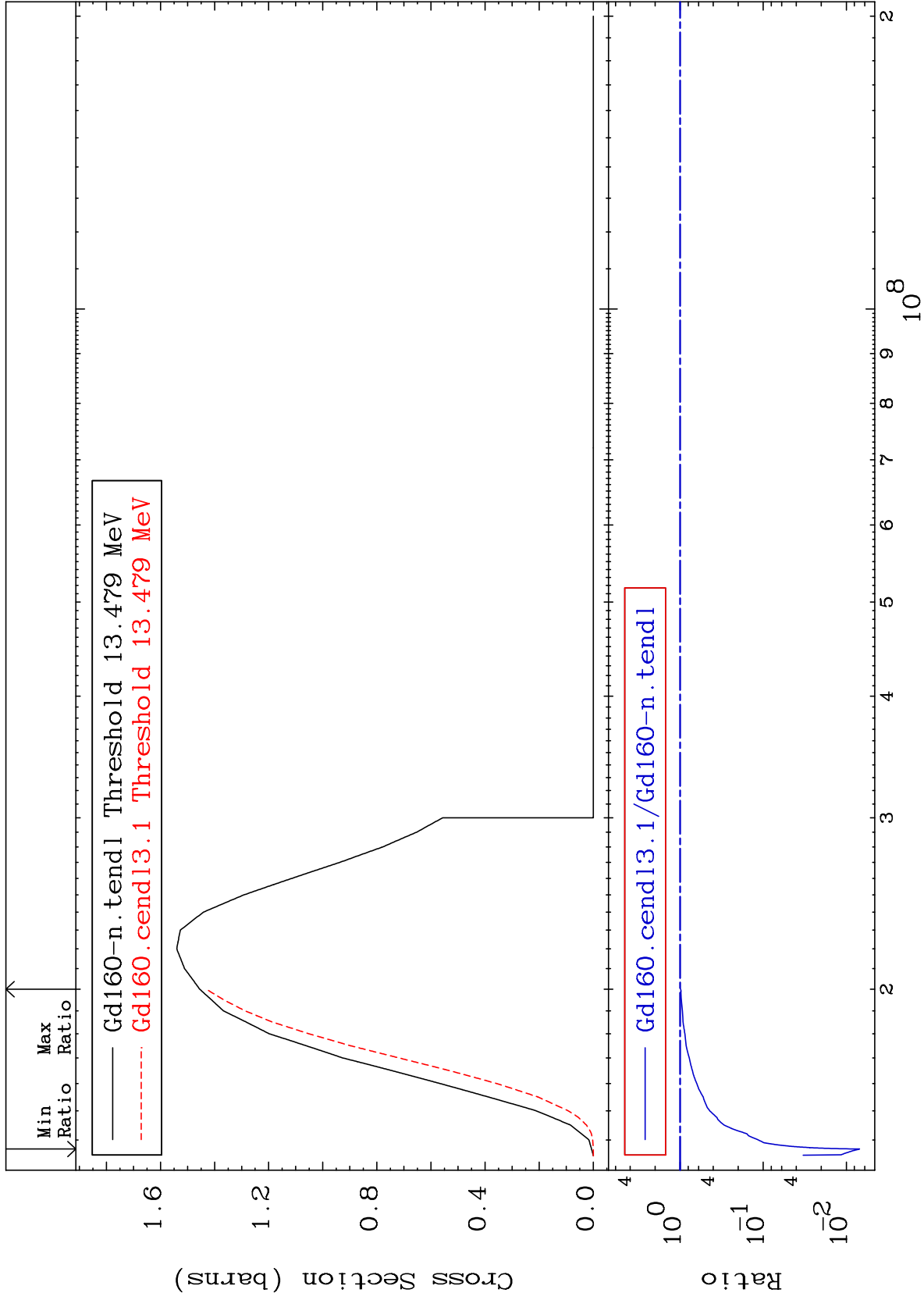
4

Incident Energy (eV)

64-Gd-160

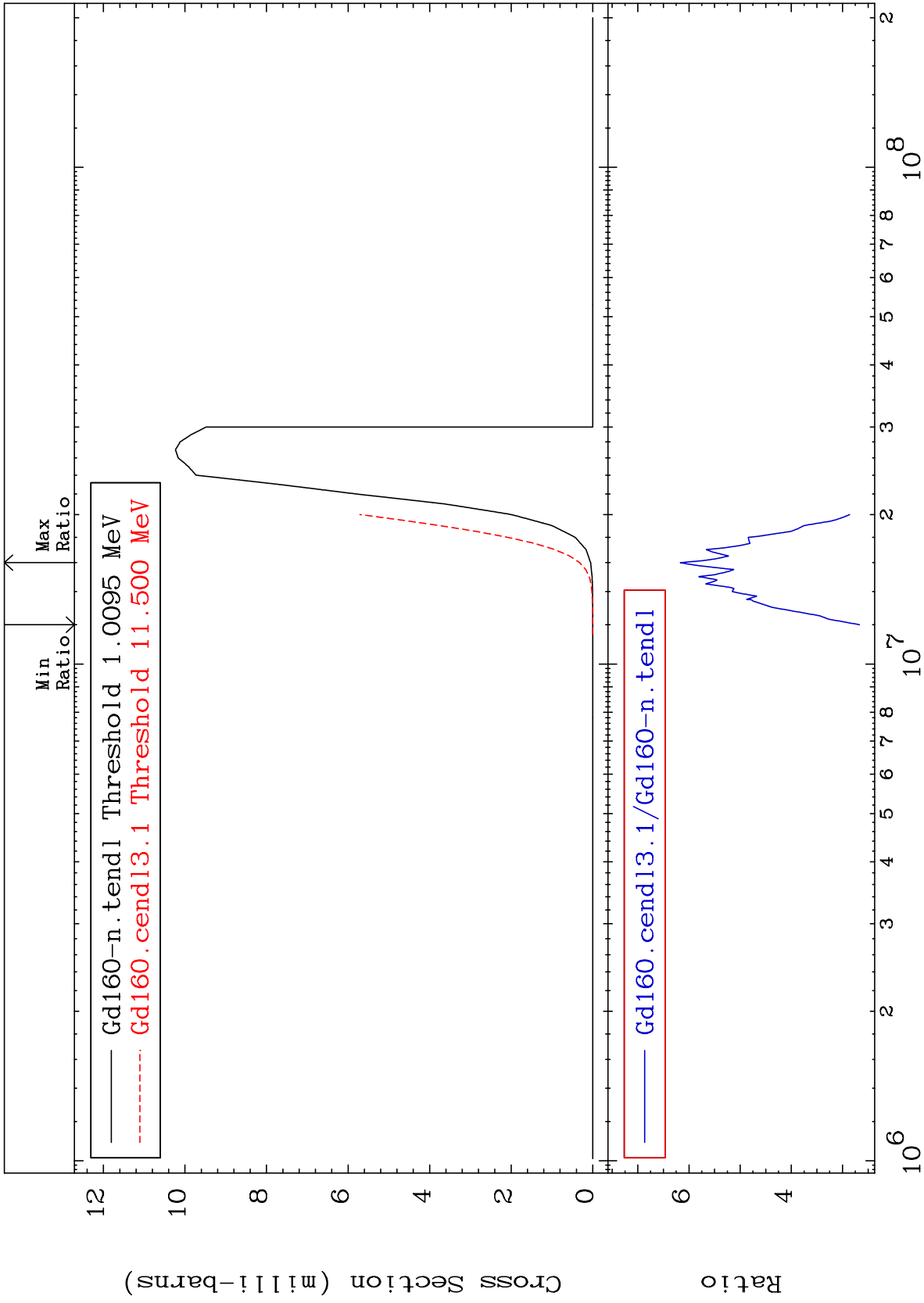
Cross Section

-99.31 To -1.679%



MAT 6449

$(n, n') \alpha$ Cross Section
64-Gd-160
166.9 To 516.8 %



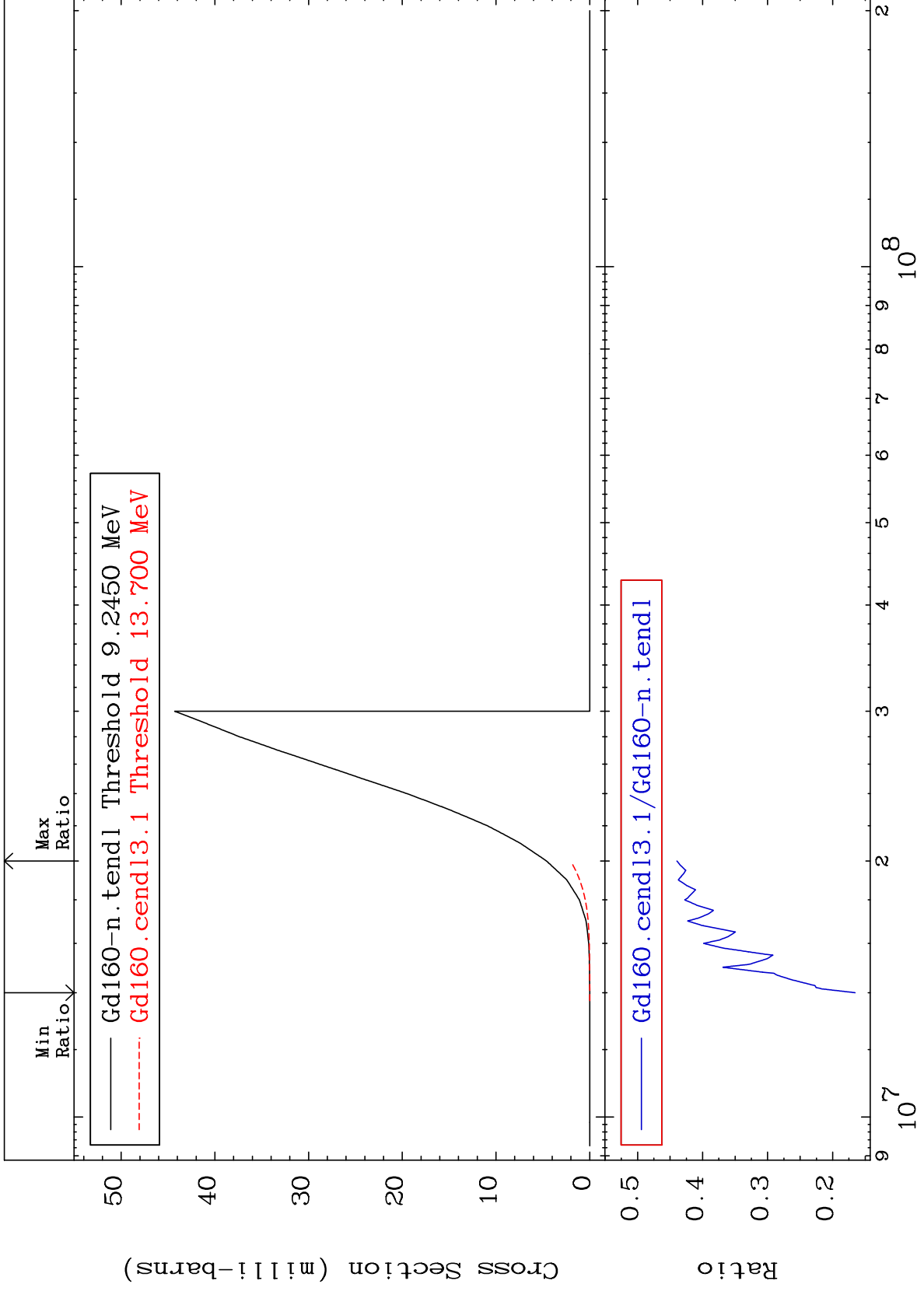
Incident Energy (eV)

64-Gd-160

MAT 6449

(n,n') p
Cross Section

64-Gd-160
-83.45 To -56.05%

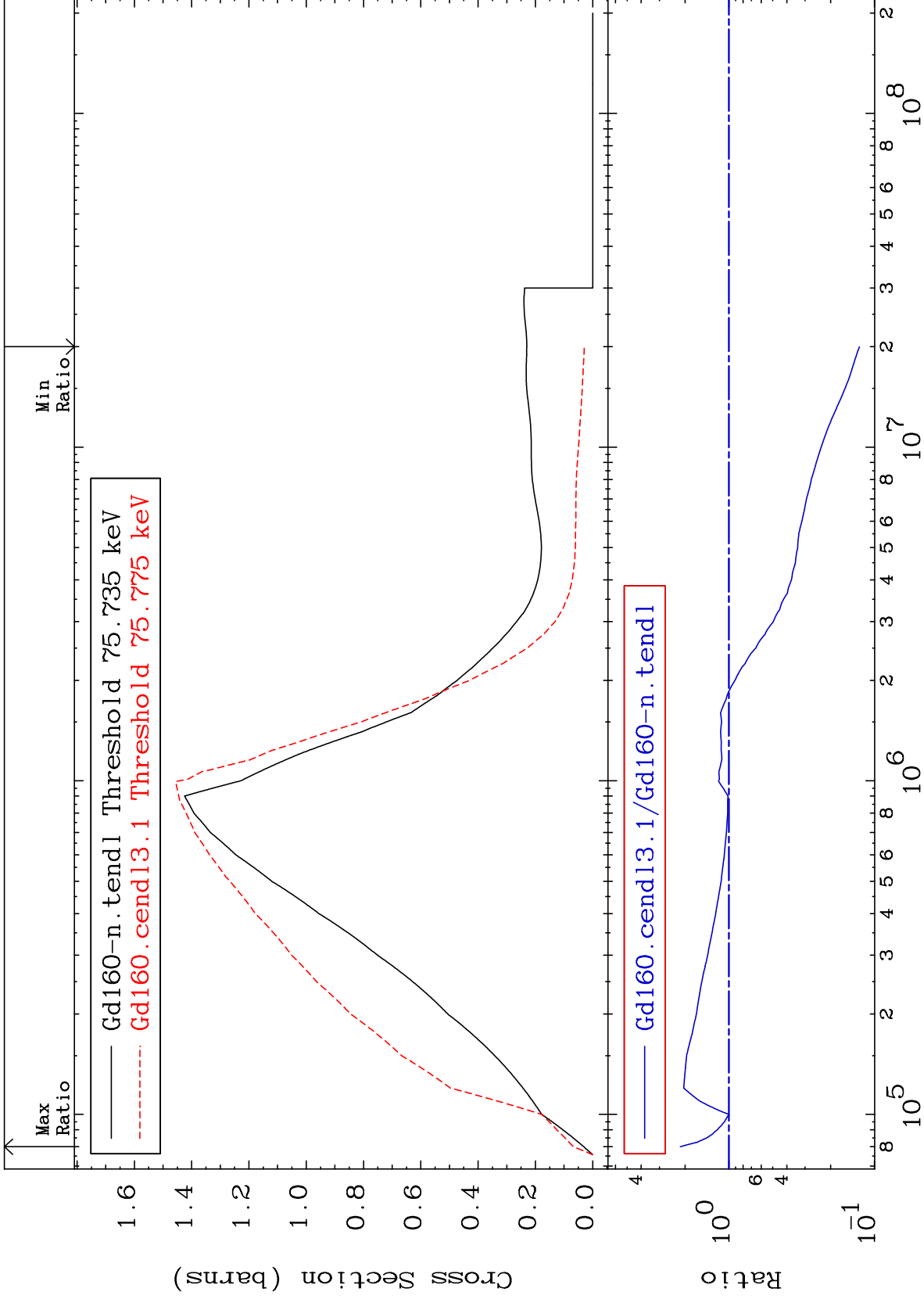


64-Gd-160

MAT 6449

75.26 keV (n,n') Level
Cross Section

64-Gd-160
-87.31 To 115.3 %



8

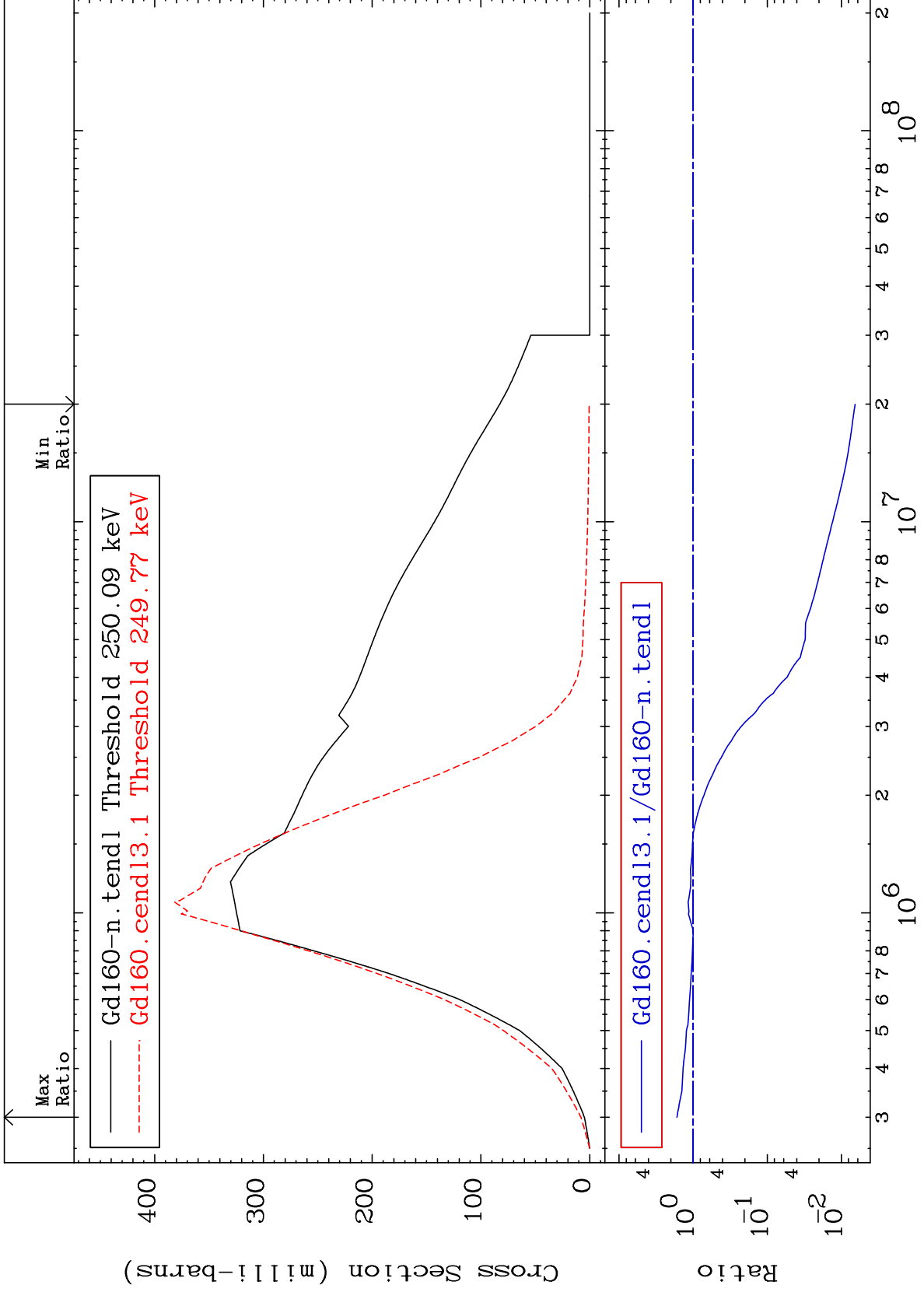
Incident Energy (eV)

64-Gd-160

MAT 6449

248.5 keV (n,n') Level
Cross Section

64-Gd-160
-99.35 To 65.47 %



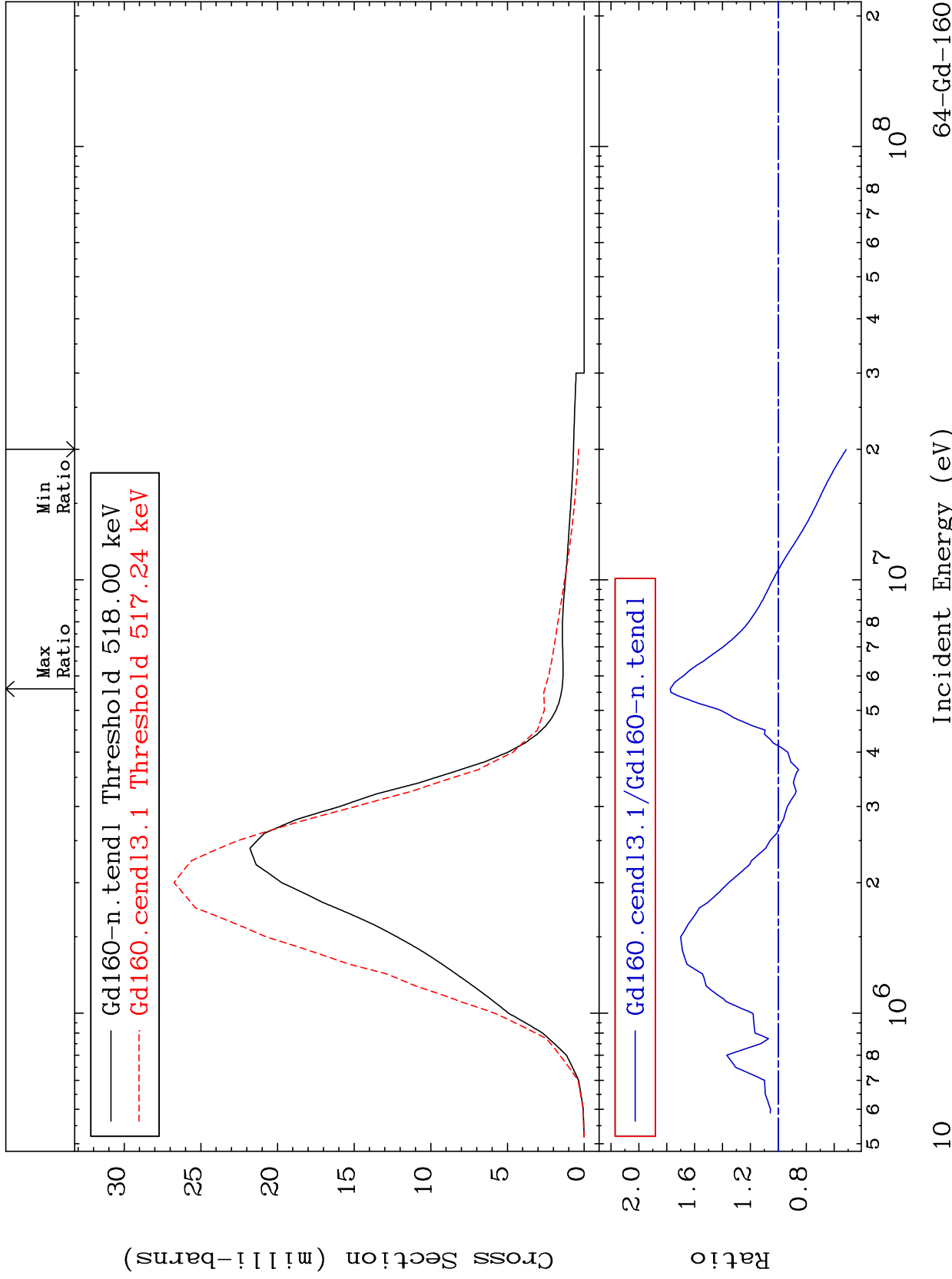
MAT 6449

514.7 keV (n,n') Level

64-Gd-160

-48.71 To 77.47 %

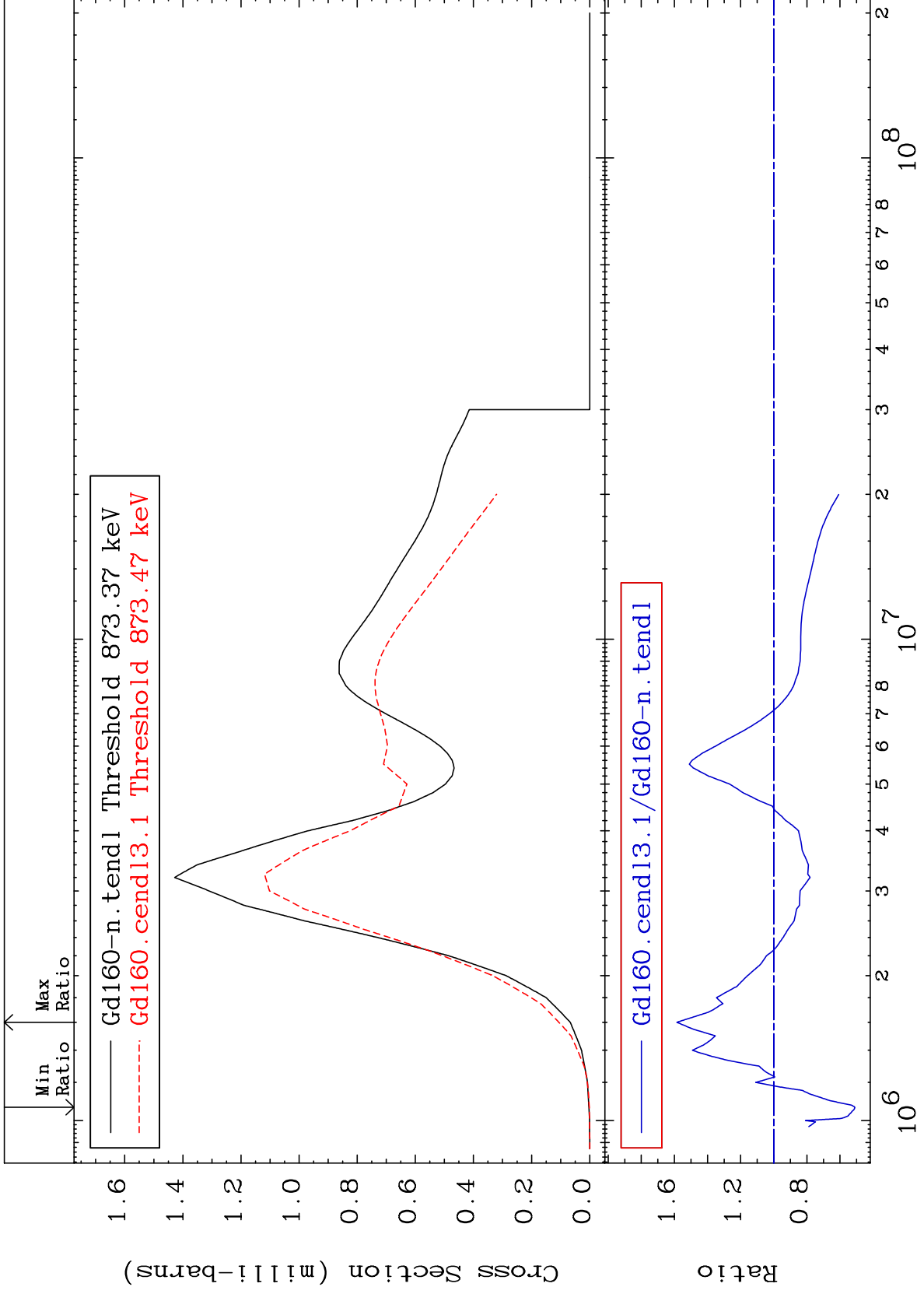
Cross Section



MAT 6449

867.9 keV (n,n') Level
Cross Section

64-Gd-160
-49.09 To 58.47 %



11

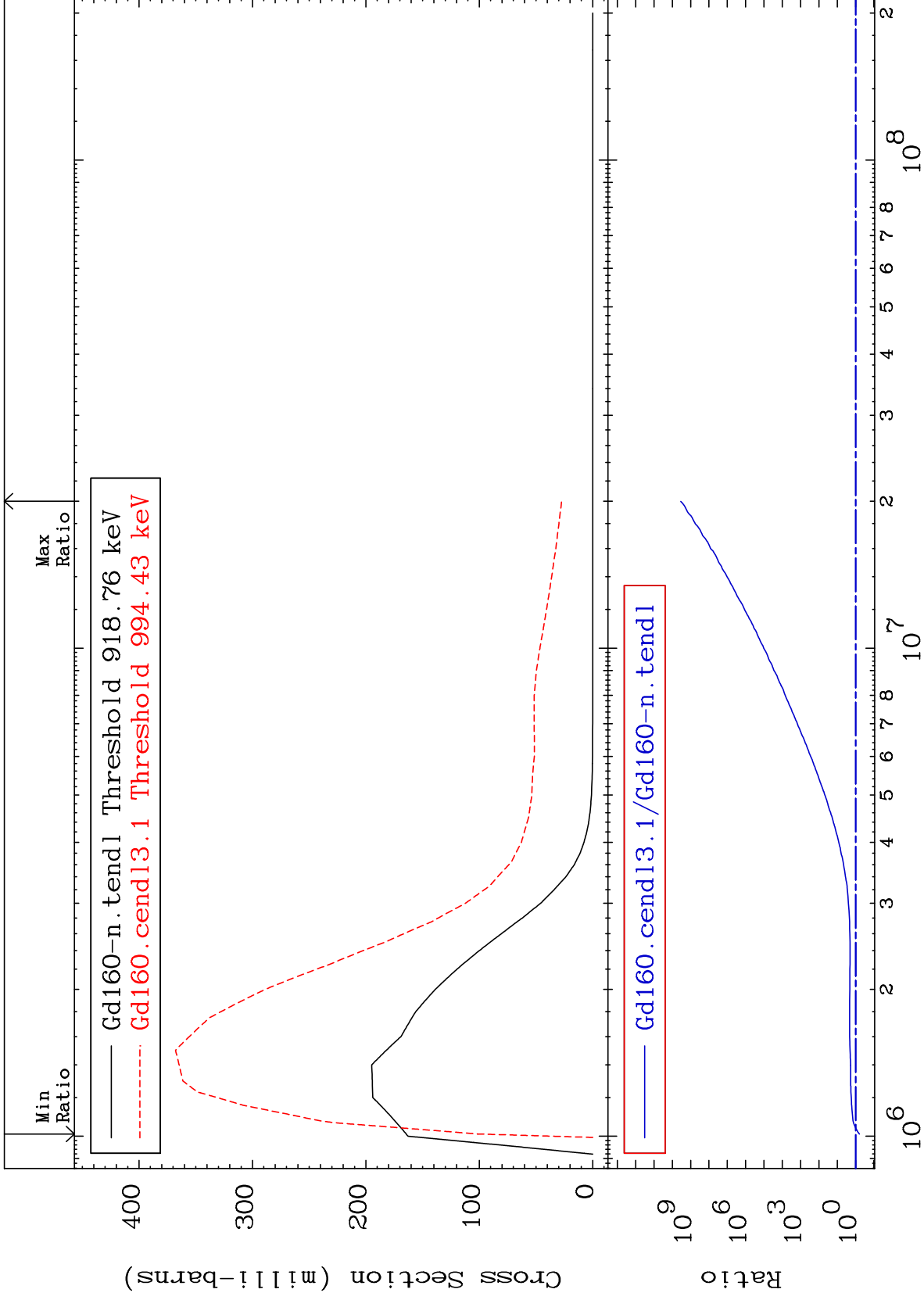
Incident Energy (eV)

64-Gd-160

MAT 6449

913.0 keV (n,n') Level
Cross Section

64-Gd-160
-38.33 To 9999. %



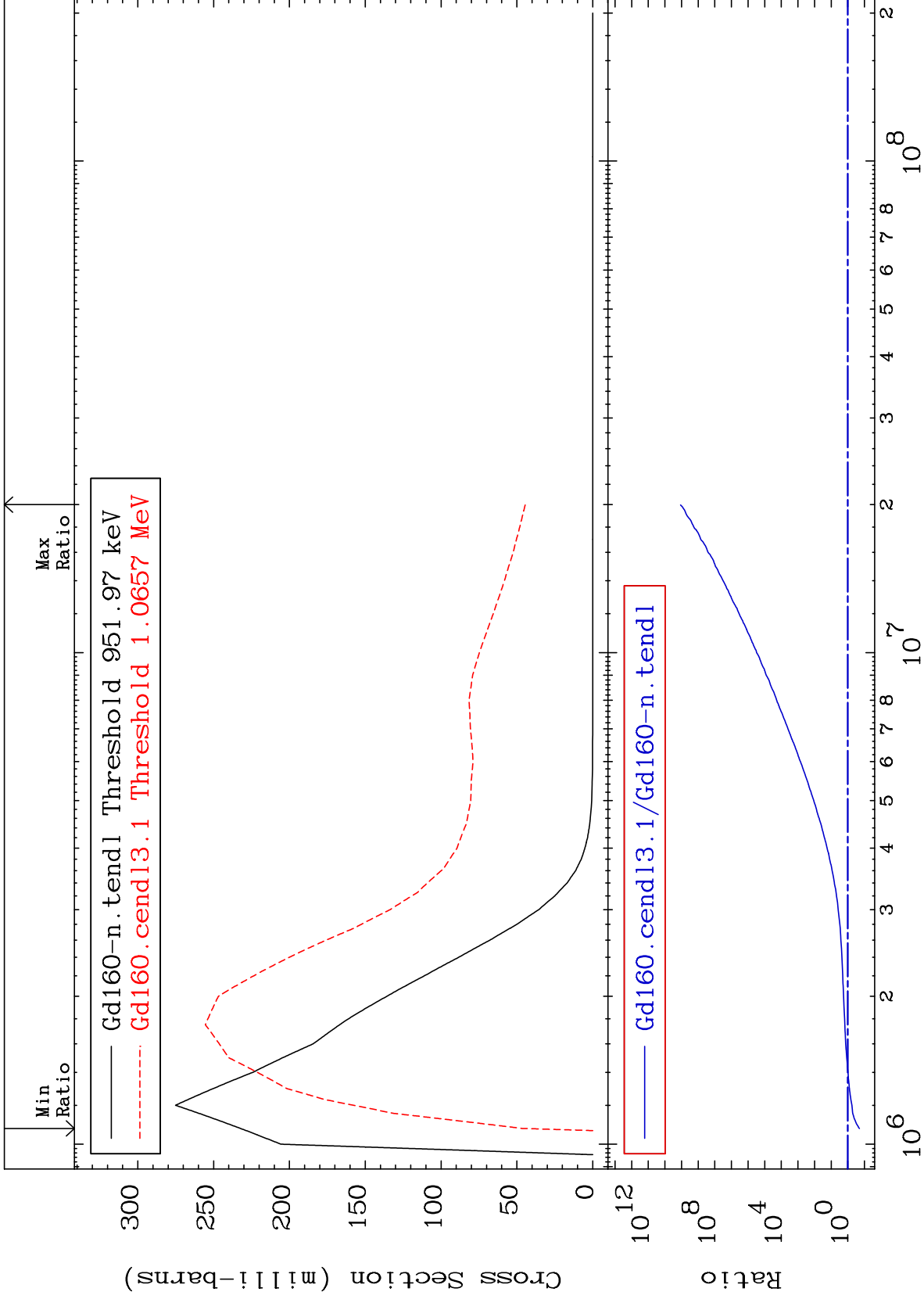
12

64-Gd-160

MAT 6449

946.0 keV (n,n') Level
Cross Section

64-Gd-160
-80.02 To 9999. %



13

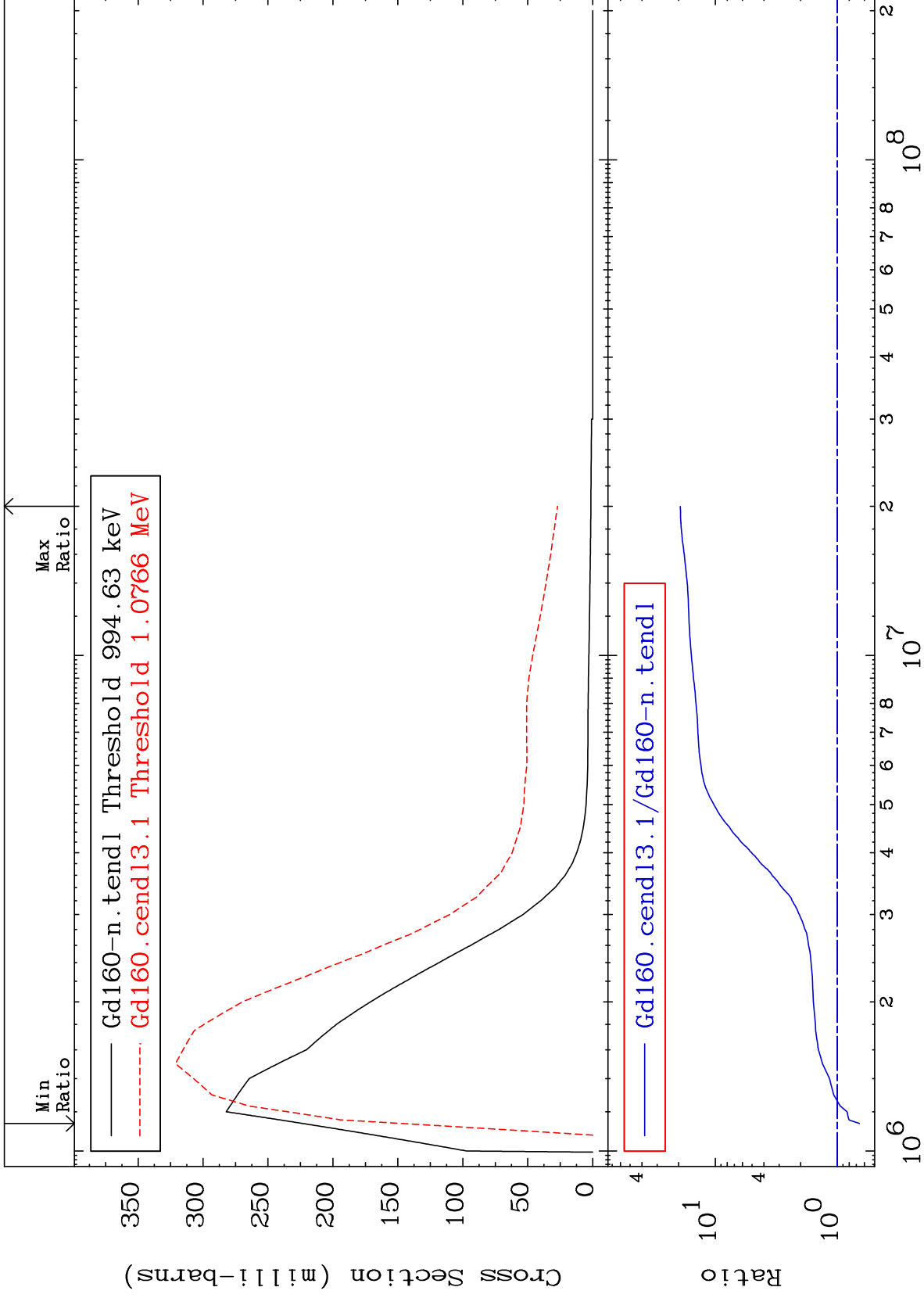
Incident Energy (eV)

64-Gd-160

MAT 6449

988.4 keV (n,n') Level
Cross Section

64-Gd-160
-33.98 To 1835. %



14

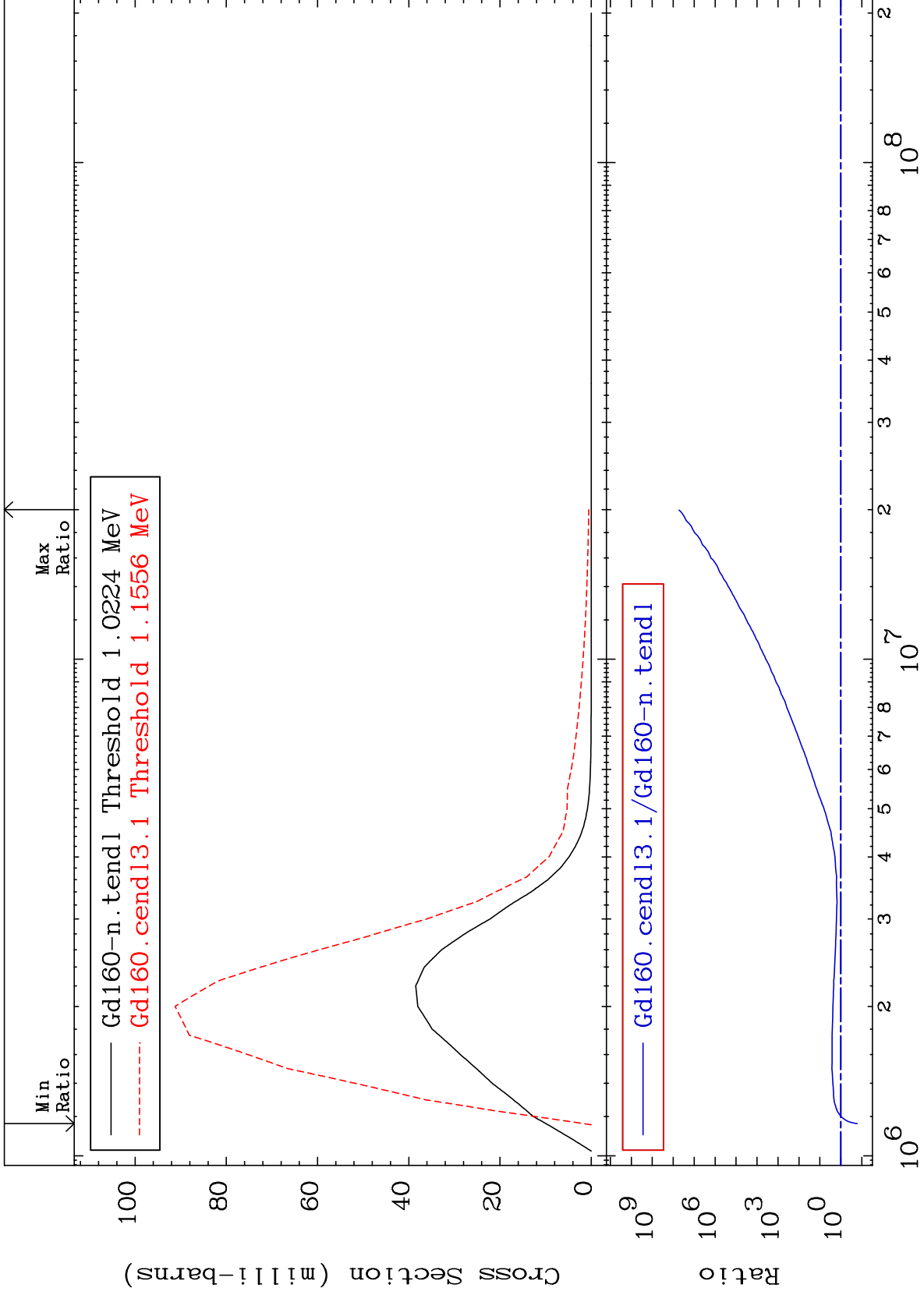
Incident Energy (eV)

64-Gd-160

MAT 6449

1.016 MeV (n,n') Level
Cross Section

64-Gd-160
-83.55 To 9999. %



15

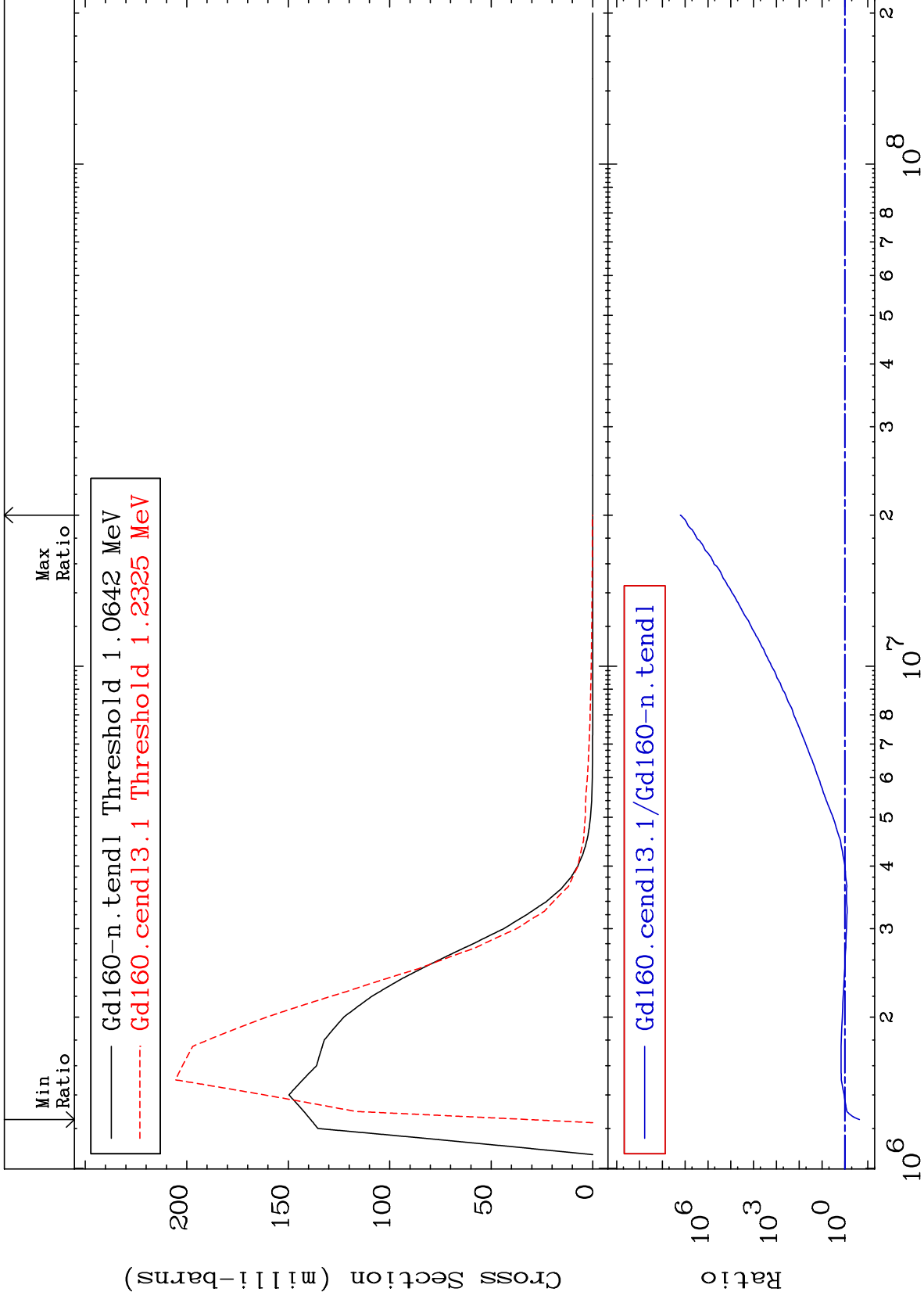
Incident Energy (eV)

64-Gd-160

MAT 6449

1.058 MeV (n,n') Level
Cross Section

64-Gd-160
-76.84 To 9999. %



16

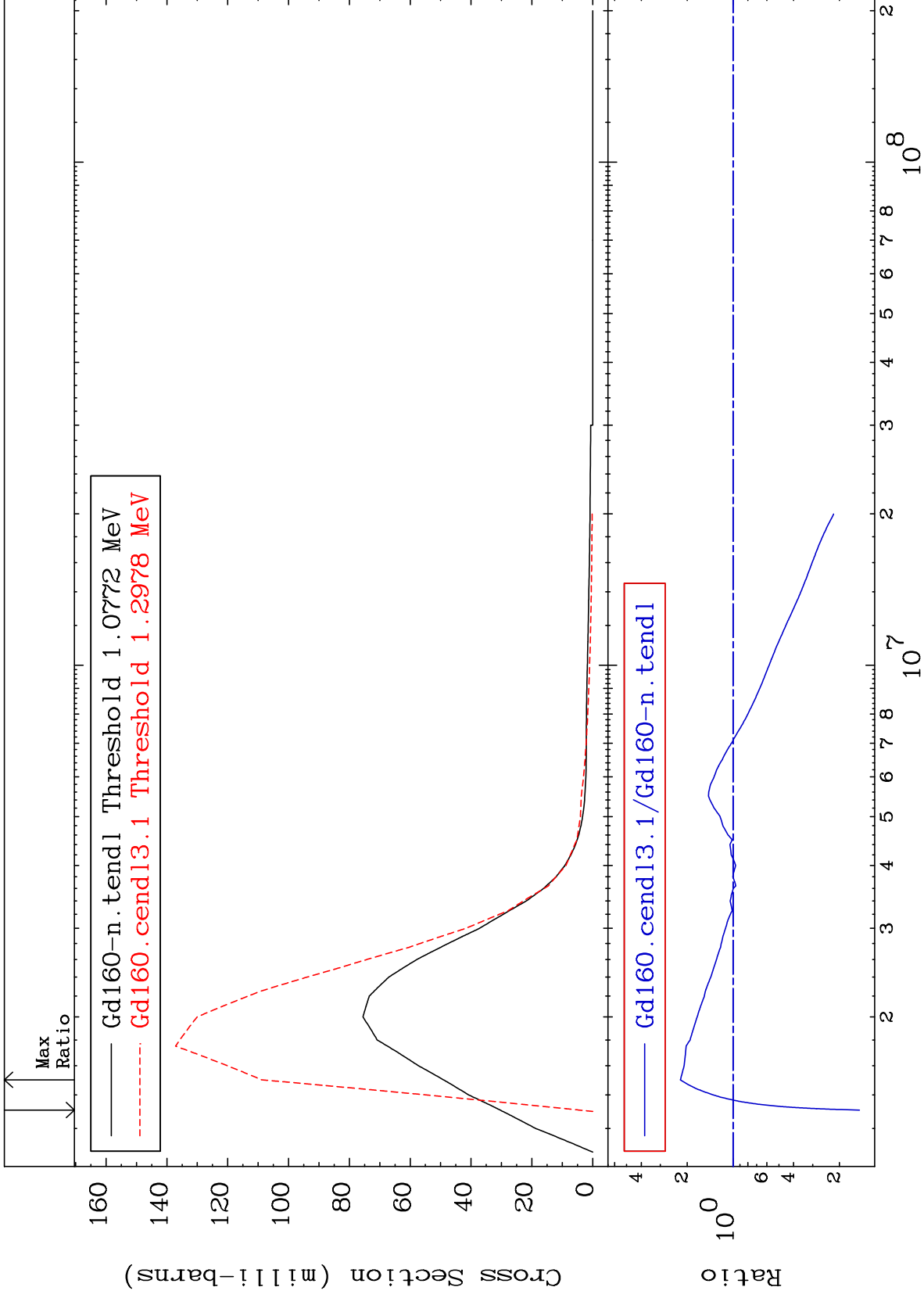
Incident Energy (eV)

64-Gd-160

MAT 6449

1.070 MeV (n,n') Level
Cross Section

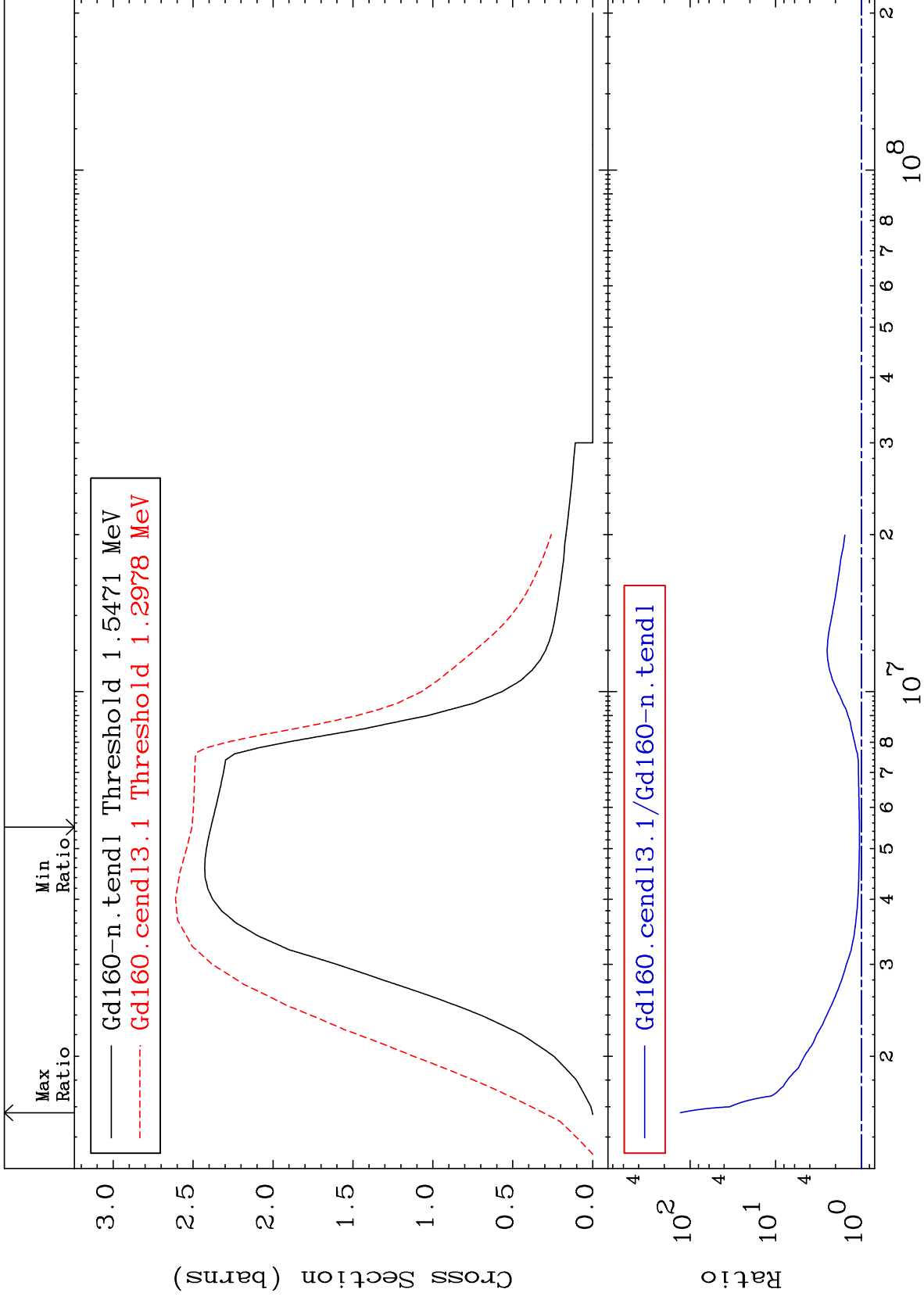
64-Gd-160
-85.21 To 121.8 %



MAT 6449

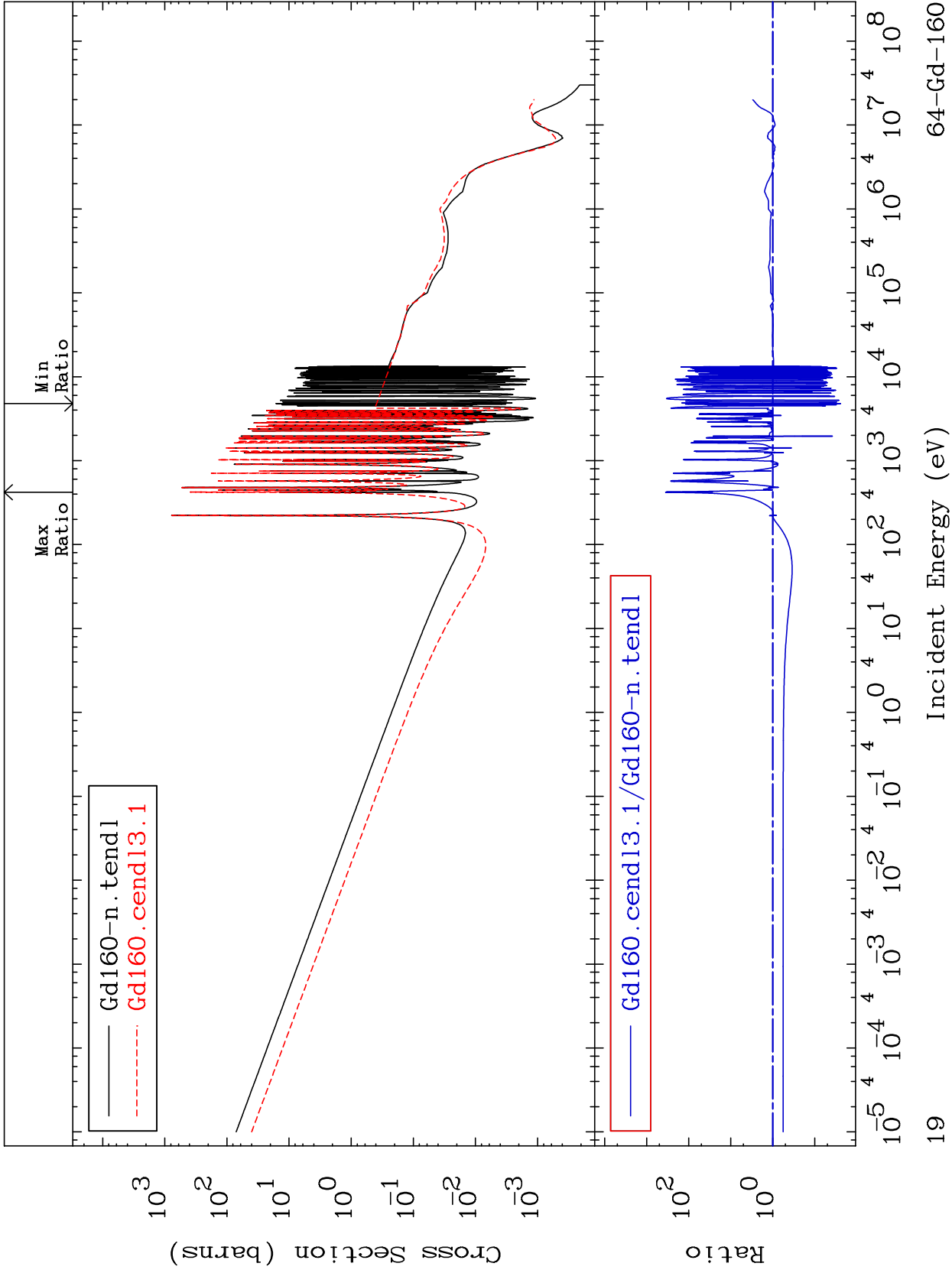
(n, n') Continuum
Cross Section

64-Gd-160
4.944 To 9999. %



MAT 6449

(n, γ)
Cross Section
64-Gd-160
-97.59 To 9999. %



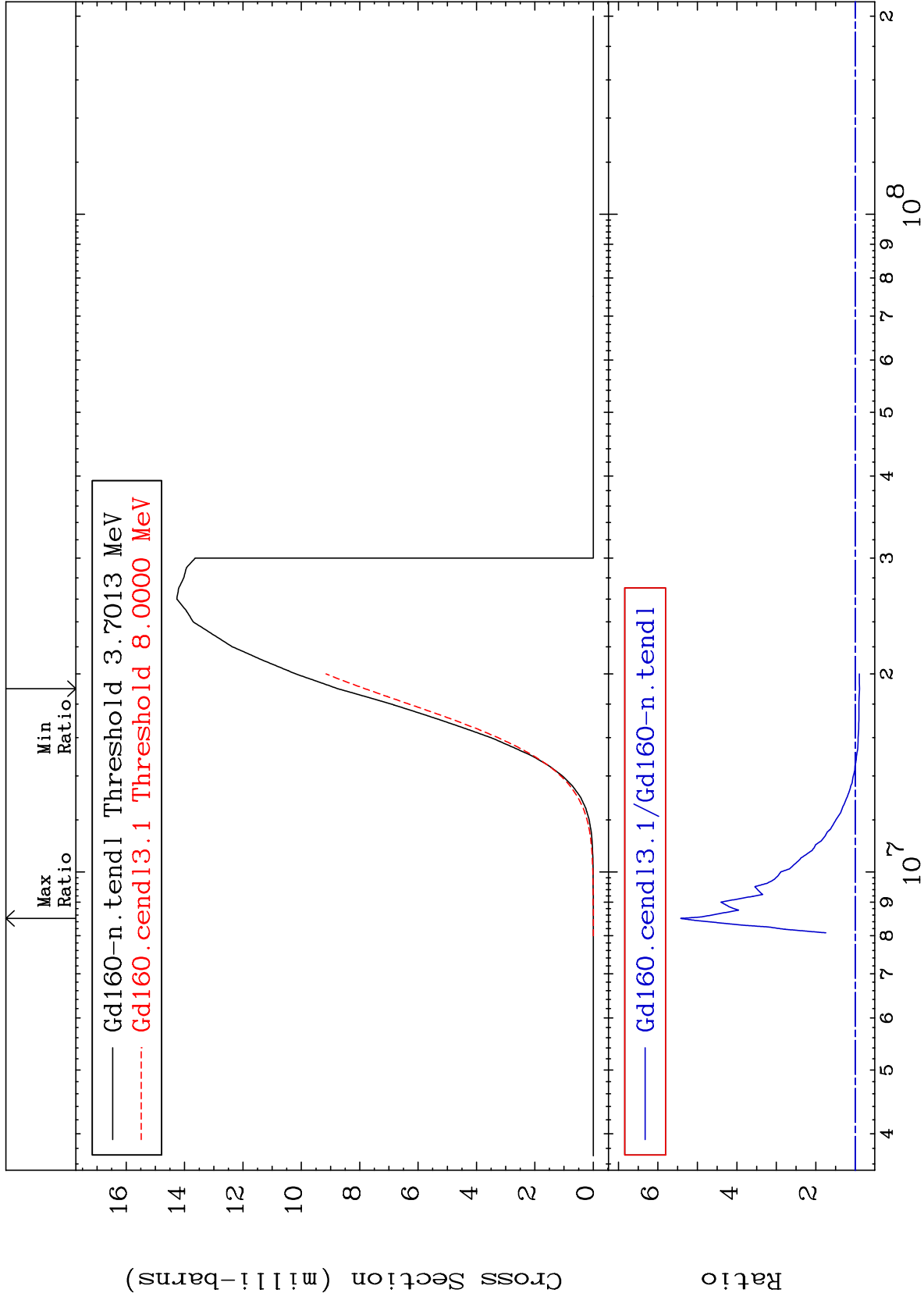
MAT 6449

(n,p)

64-Gd-160

Cross Section

-10.64 To 442.1 %



20

64-Gd-160

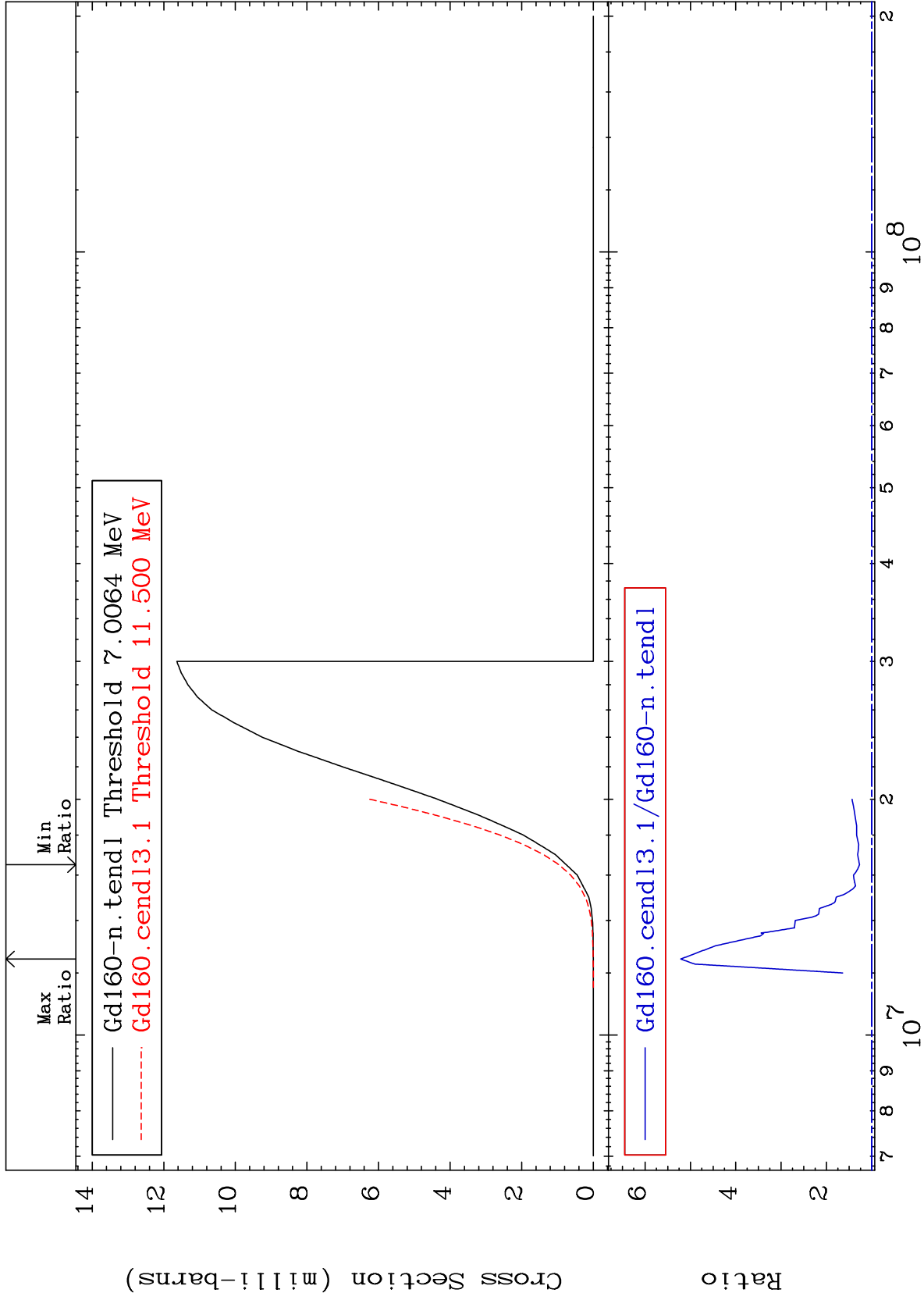
MAT 6449

(n, d)

64-Gd-160

Cross Section

27.13 To 421.3 %



21

64-Gd-160

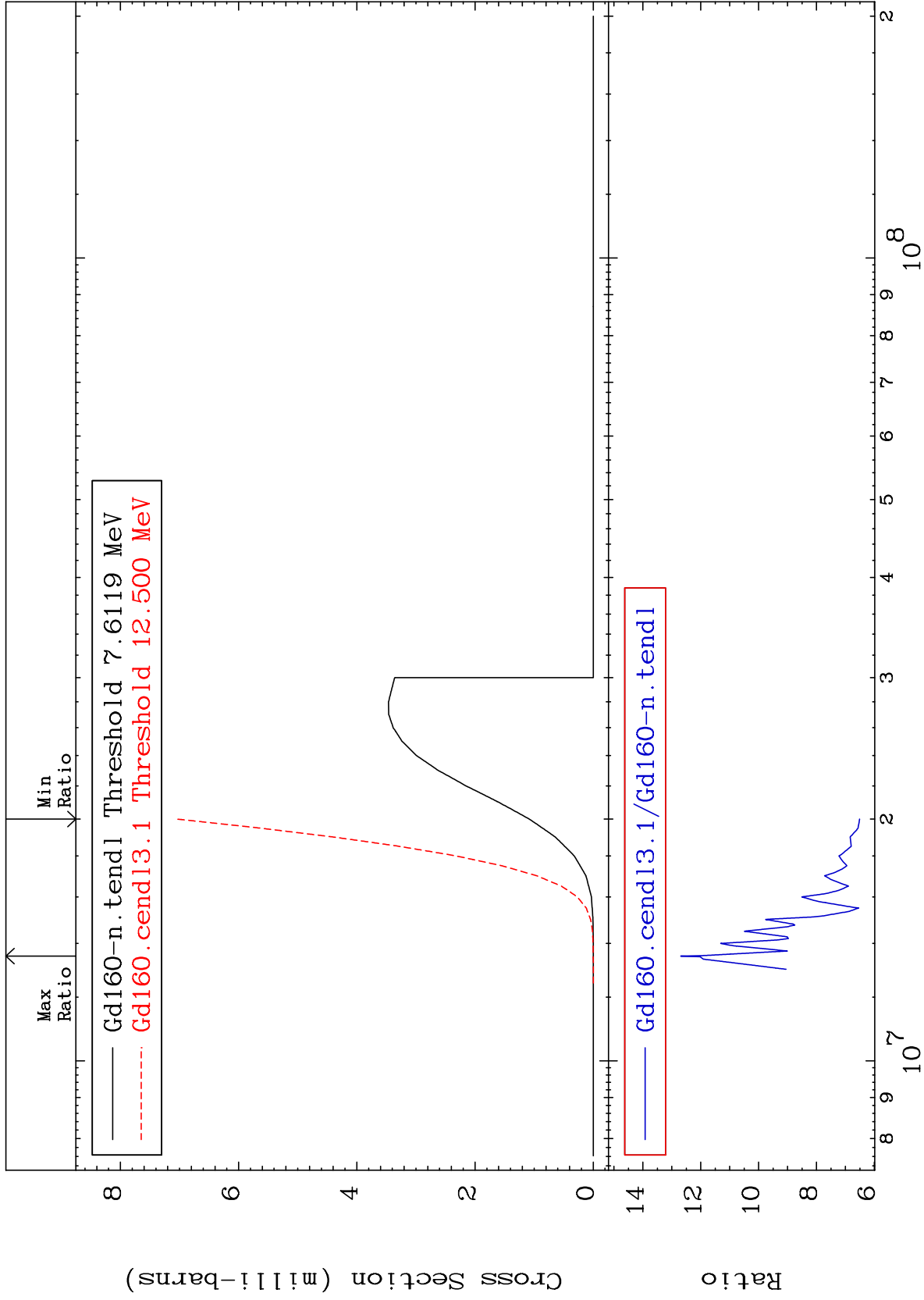
MAT 6449

(n, t)

64-Gd-160

Cross Section

551.2 To 1169. %



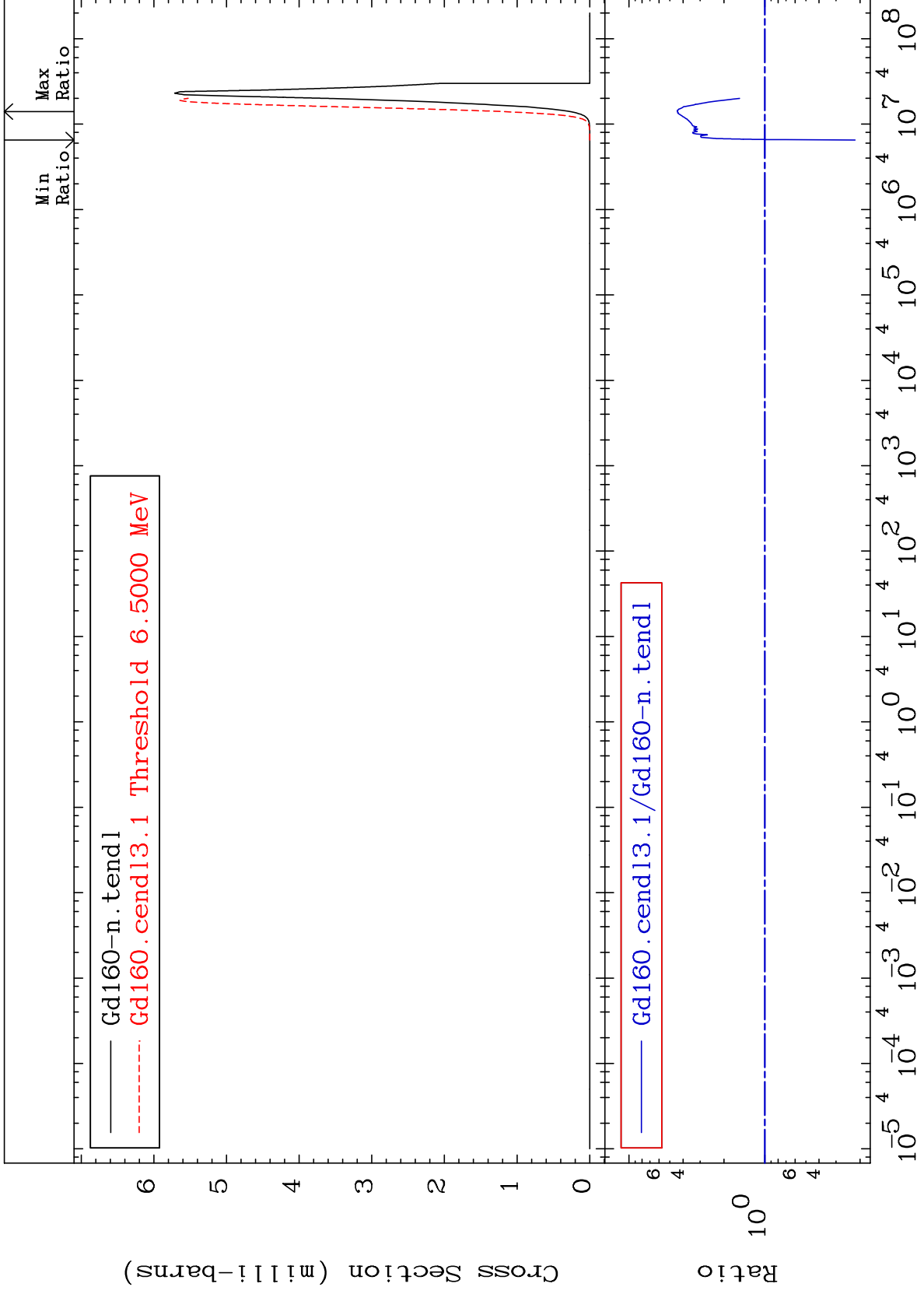
MAT 6449

(n, α)

64-Gd-160

Cross Section

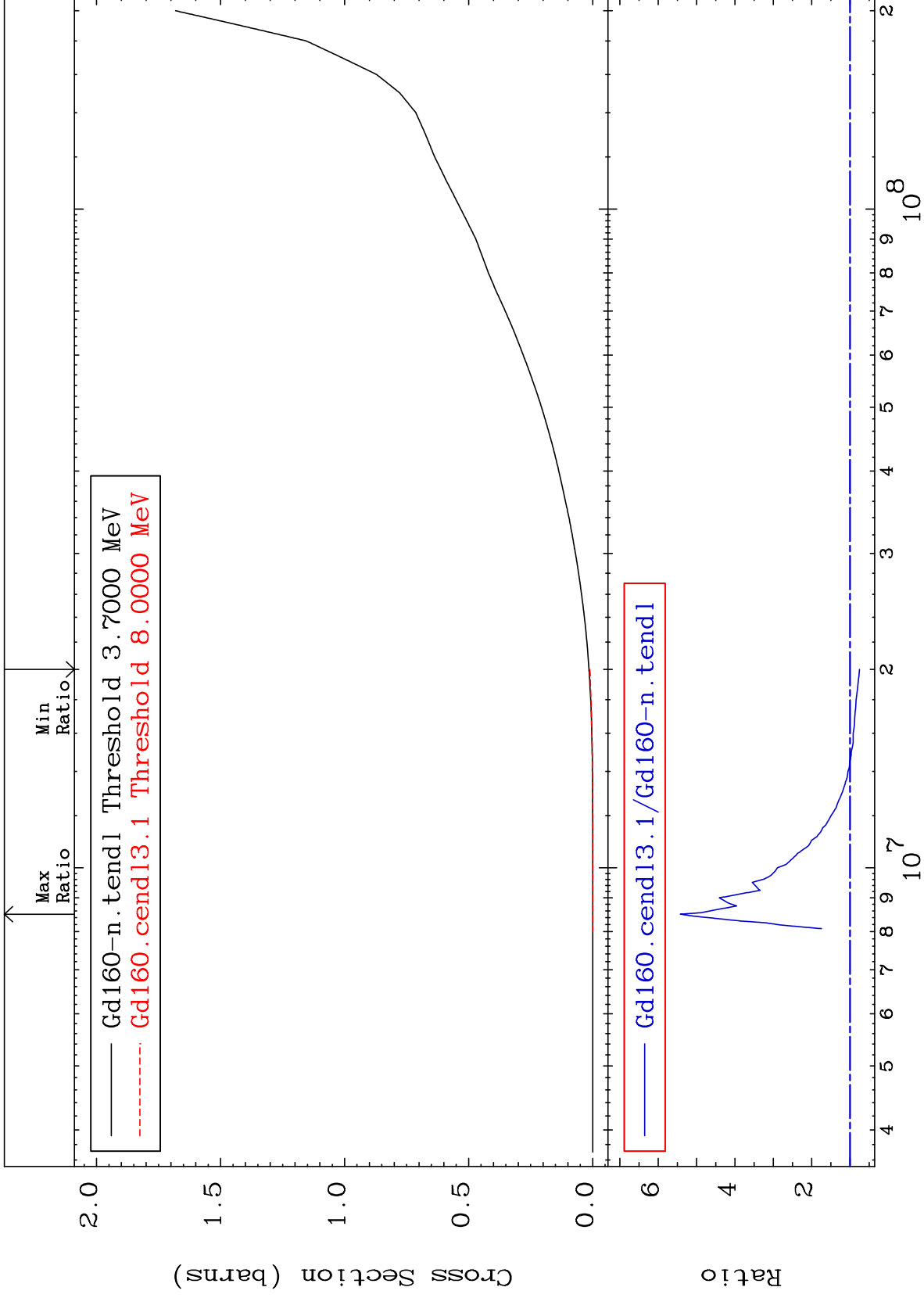
-78.27 To 343.8 %



MAT 6449

Hydrogen Production
Cross Section

64-Gd-160
-24.45 To 442.1 %



24

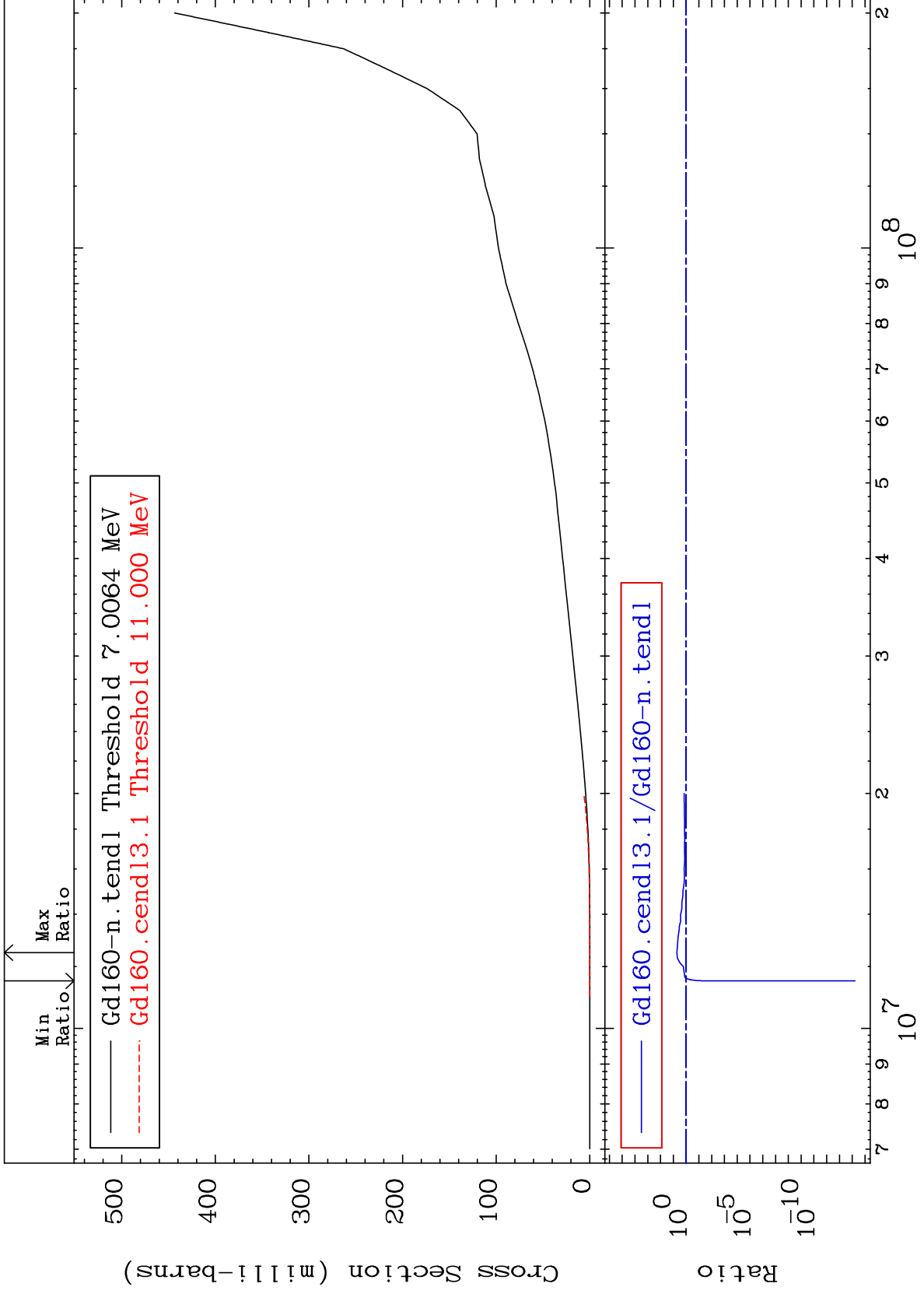
Incident Energy (eV)

64-Gd-160

MAT 6449

Deuterium Production
Cross Section

64-Gd-160
-100.0 To 421.3 %



25

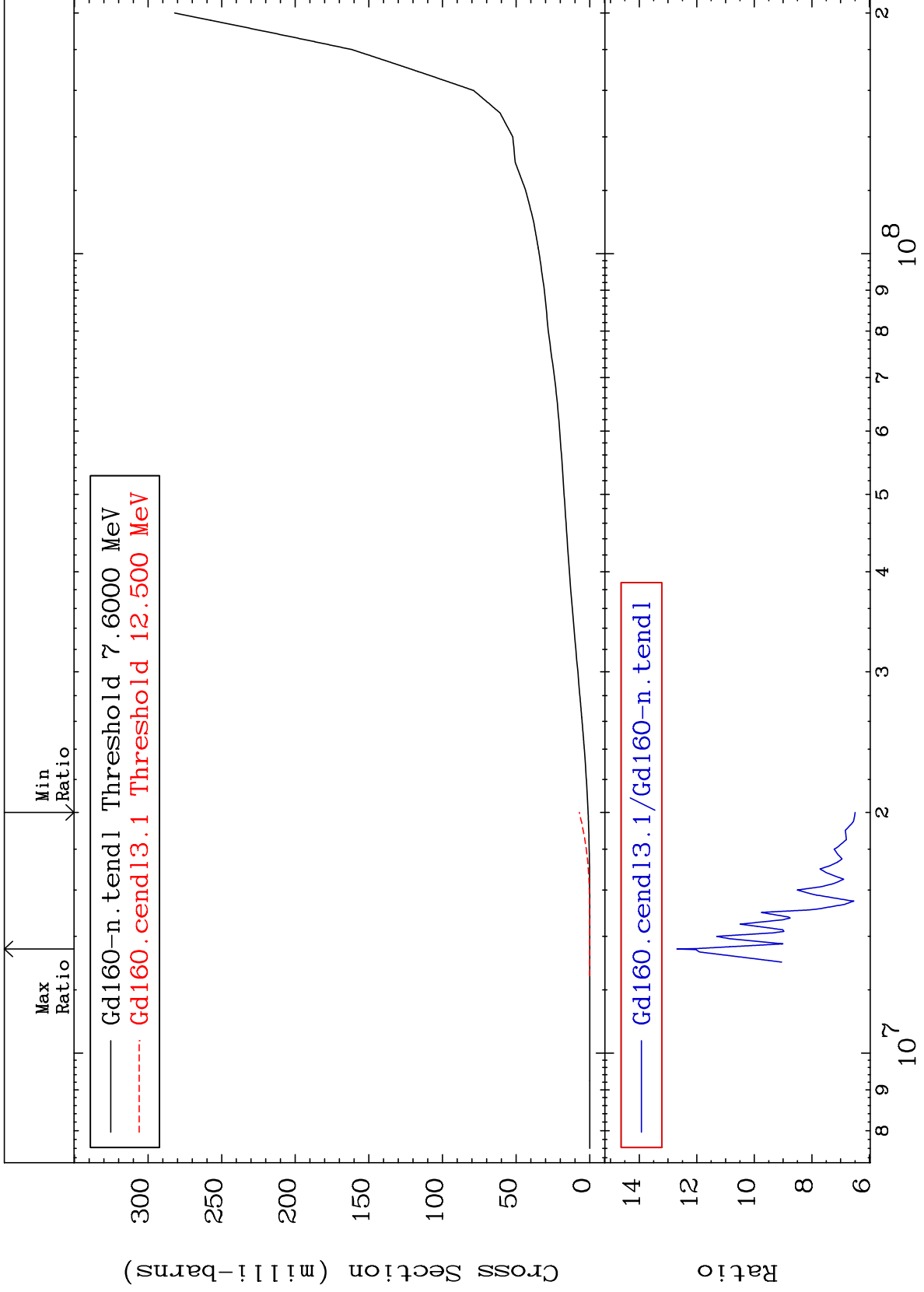
Incident Energy (eV)

64-Gd-160

MAT 6449

Tritium Production
Cross Section

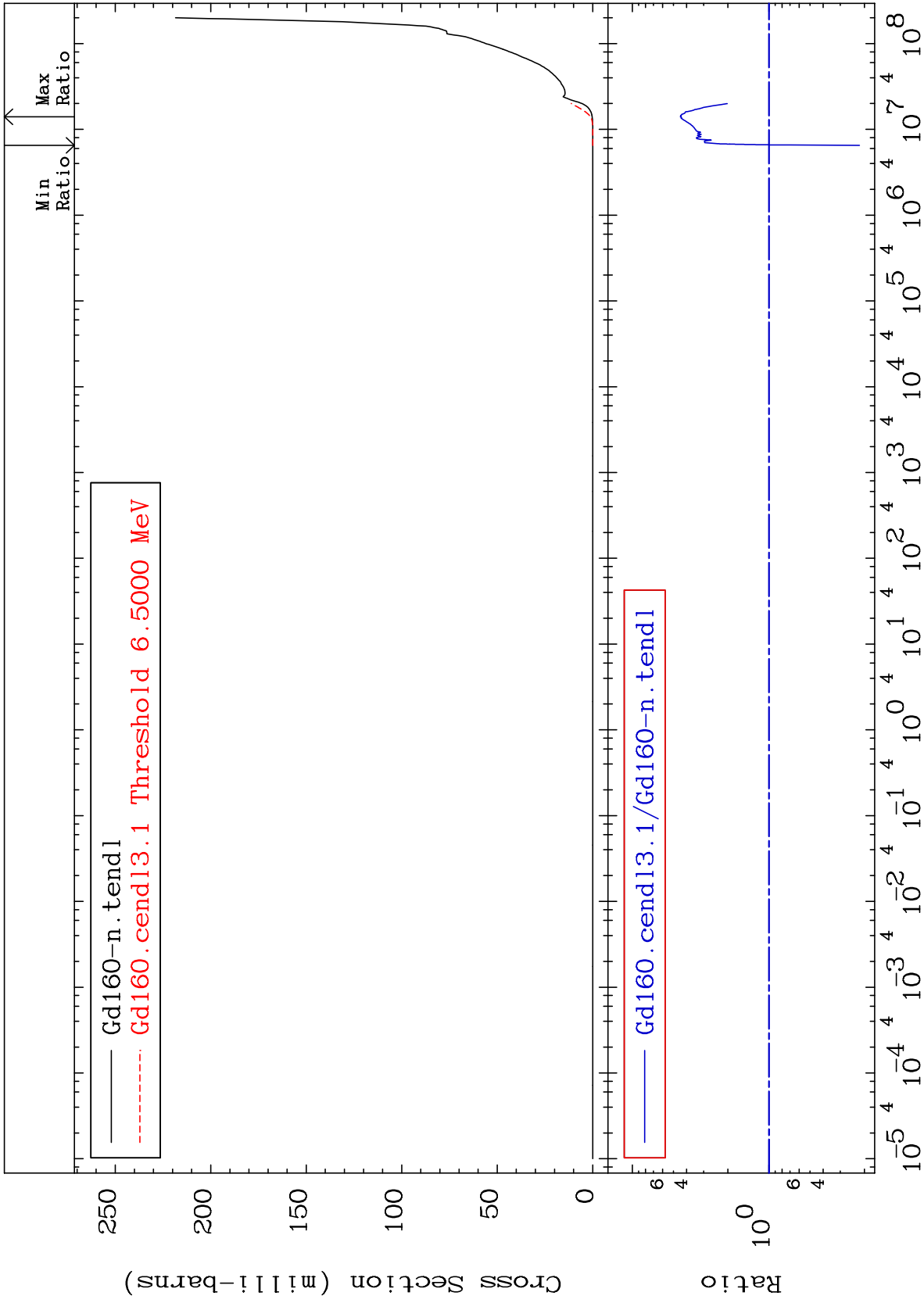
64-Gd-160
To 1169. %
549.8



MAT 6449

He-4 Production
Cross Section

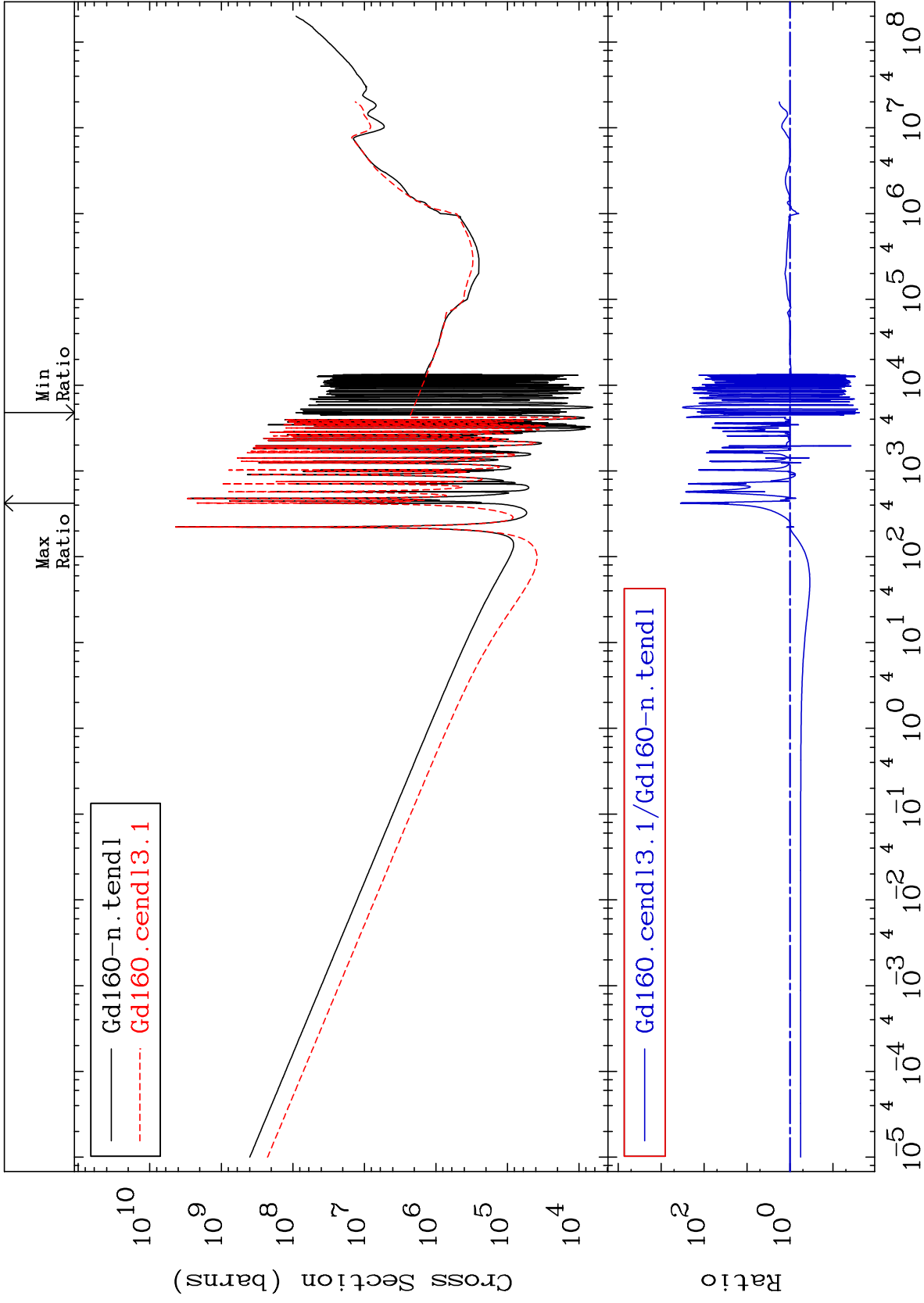
64-Gd-160
-78.27 To 344.8 %



27

Incident Energy (eV)

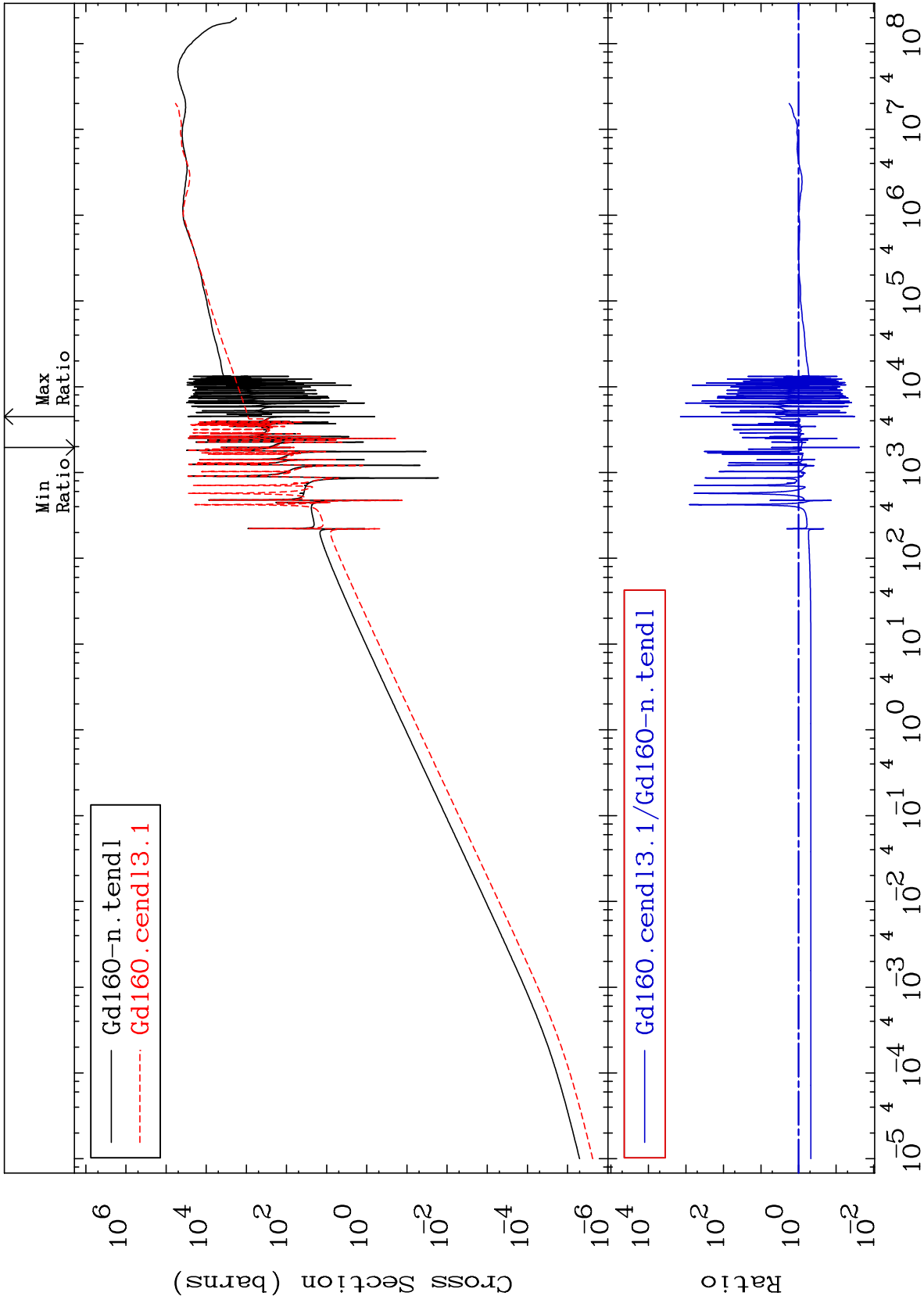
64-Gd-160



MAT 6449

Kerma elastic
Cross Section

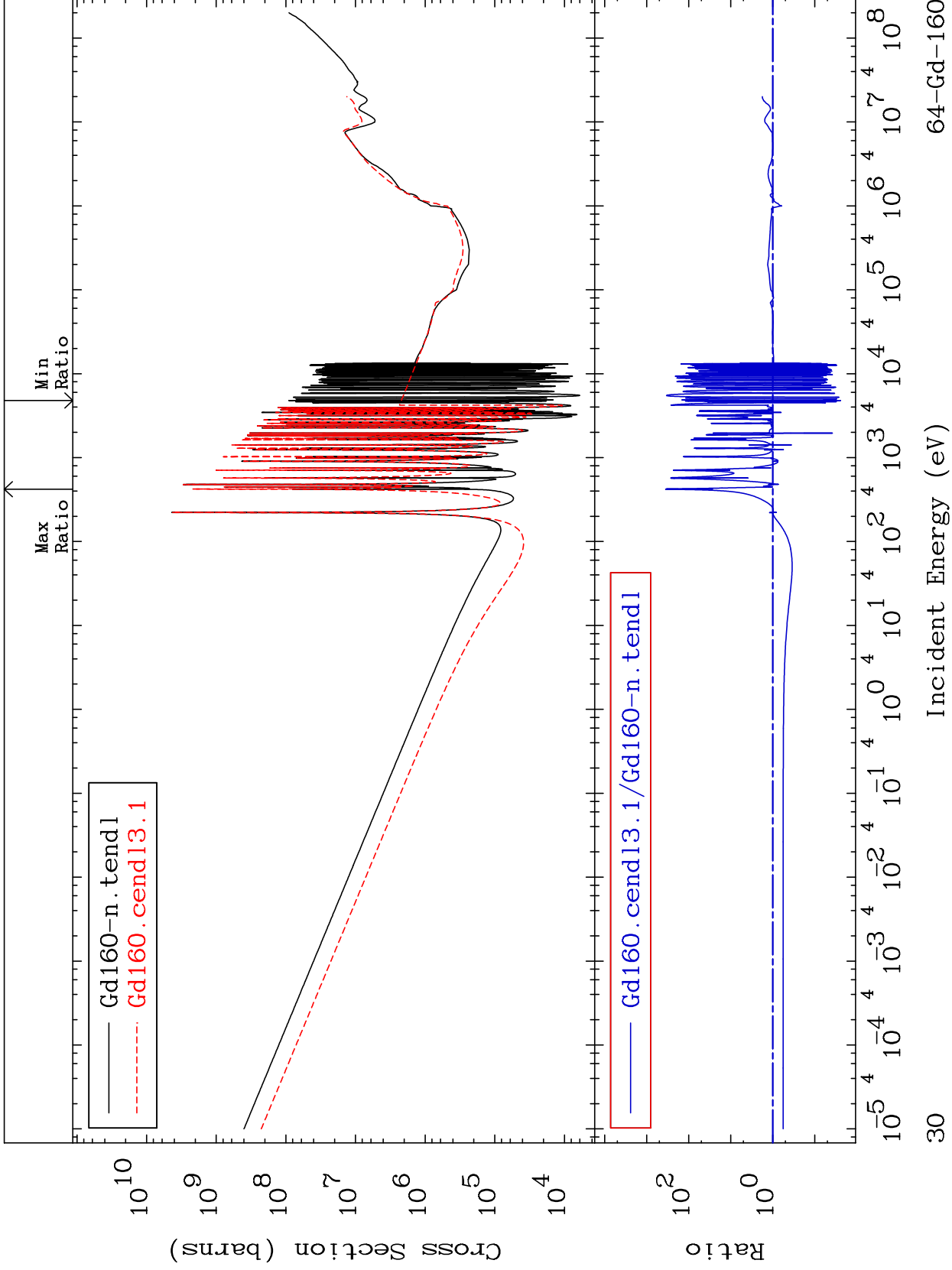
64-Gd-160
-97.60 To 9999. %

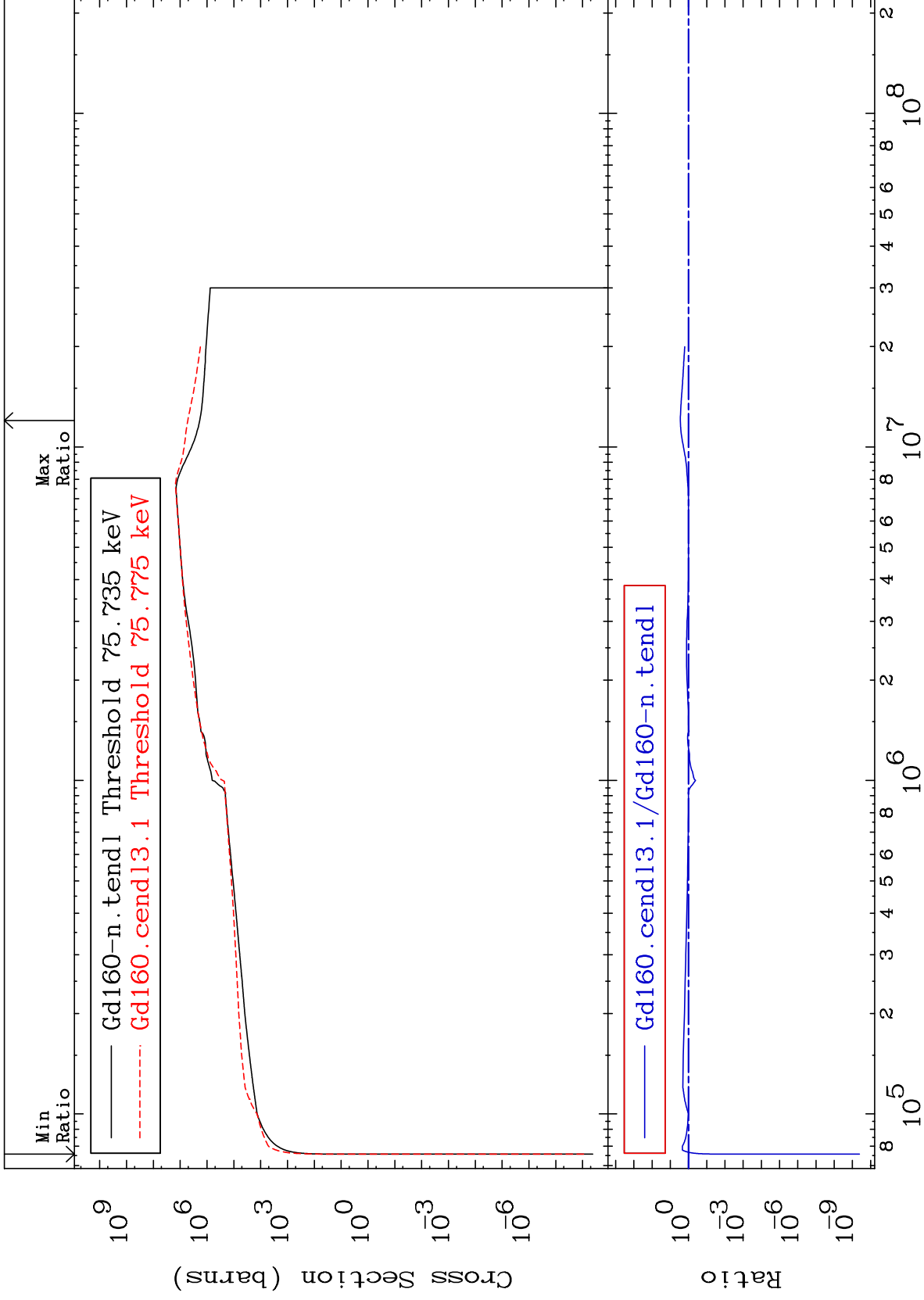


MAT 6449

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-160
-97.59 To 9999. %

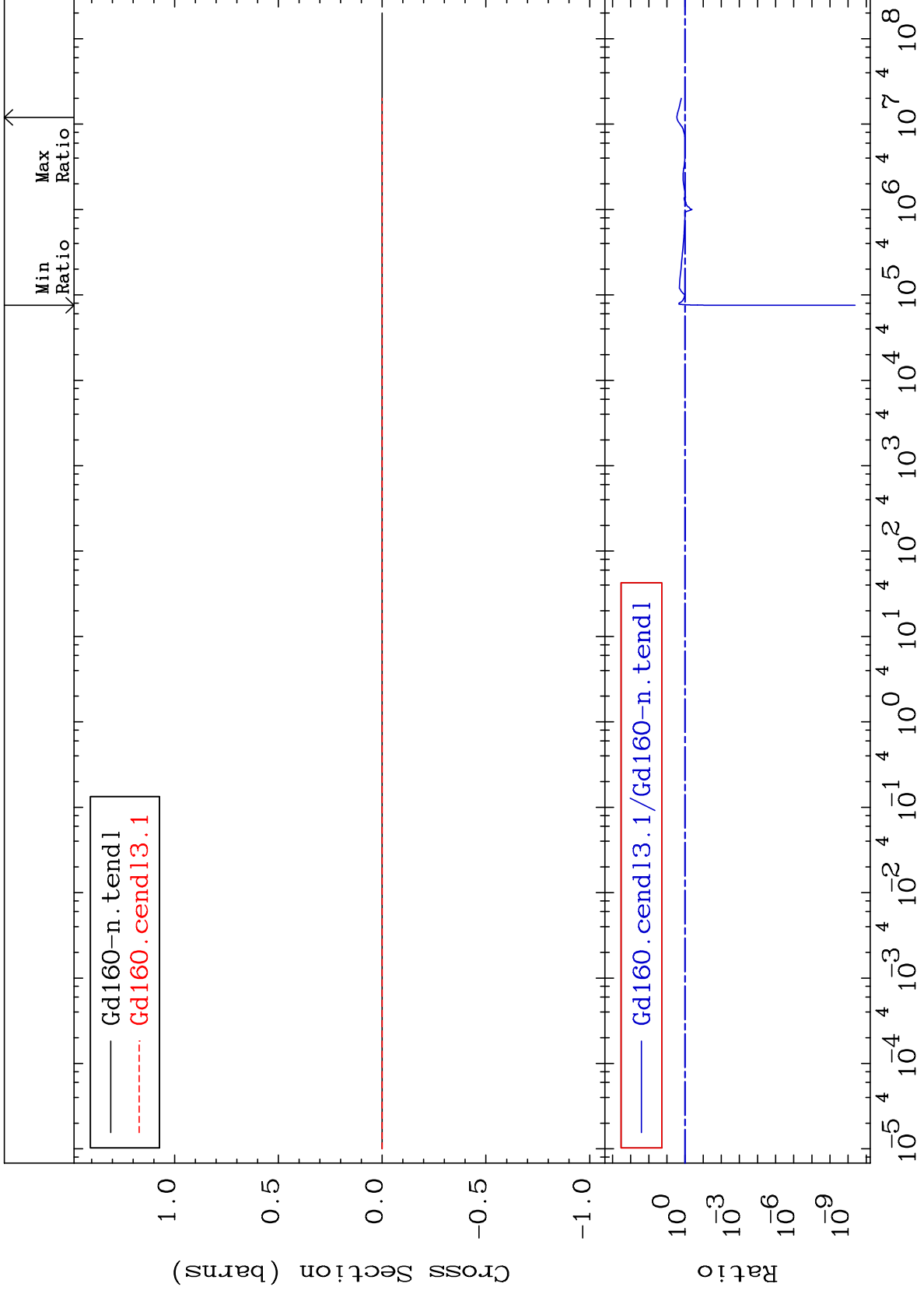


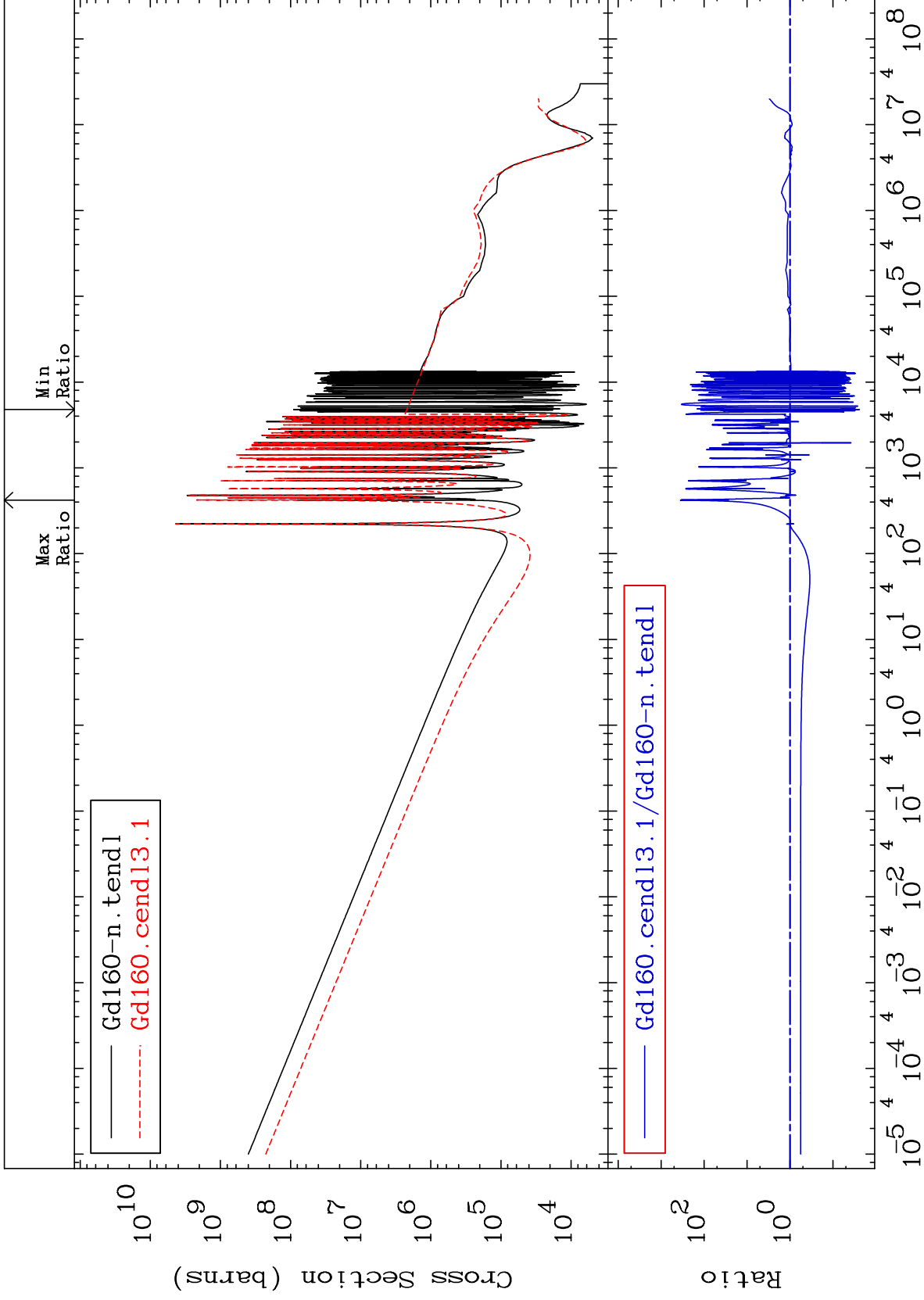


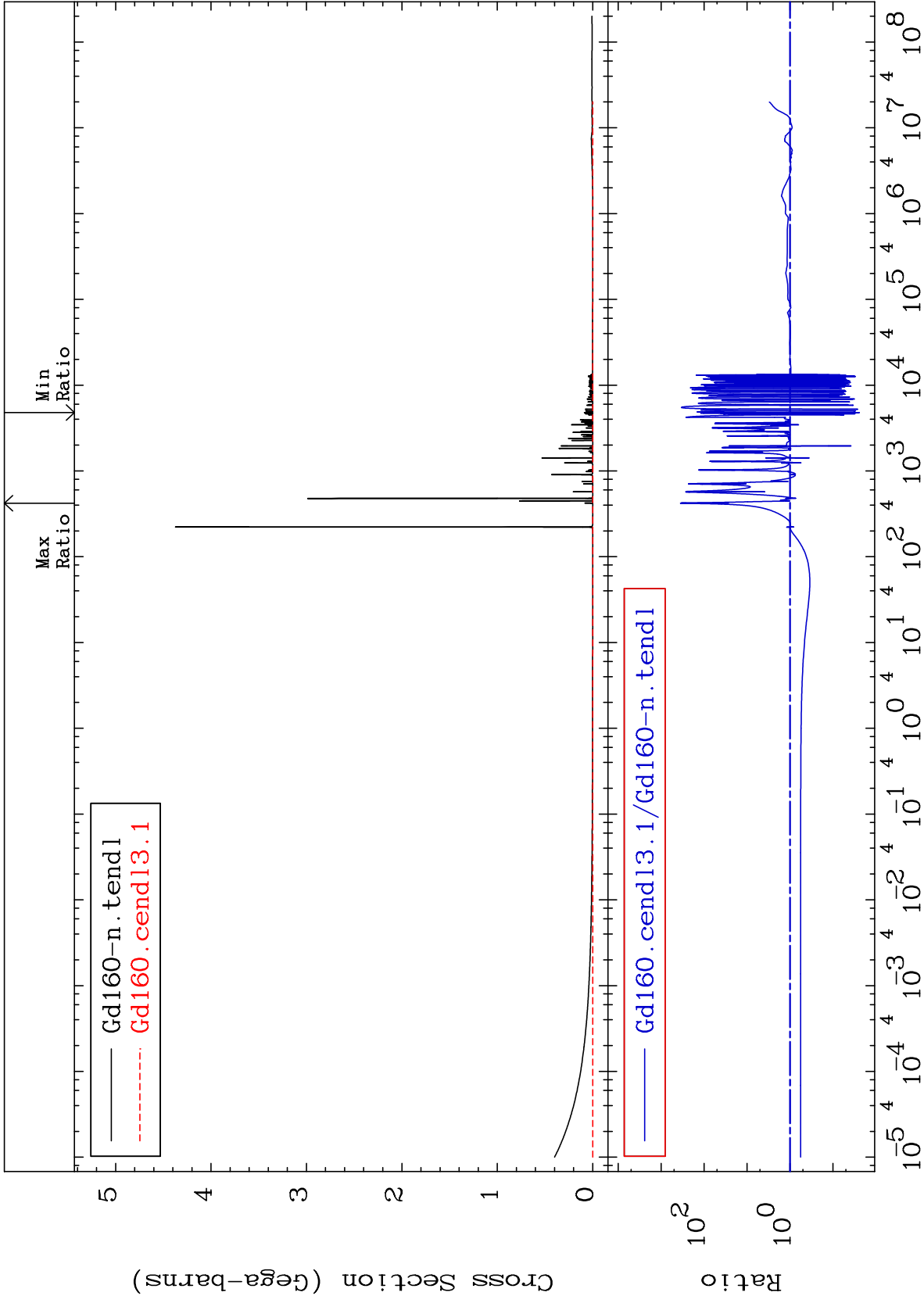
MAT 6449

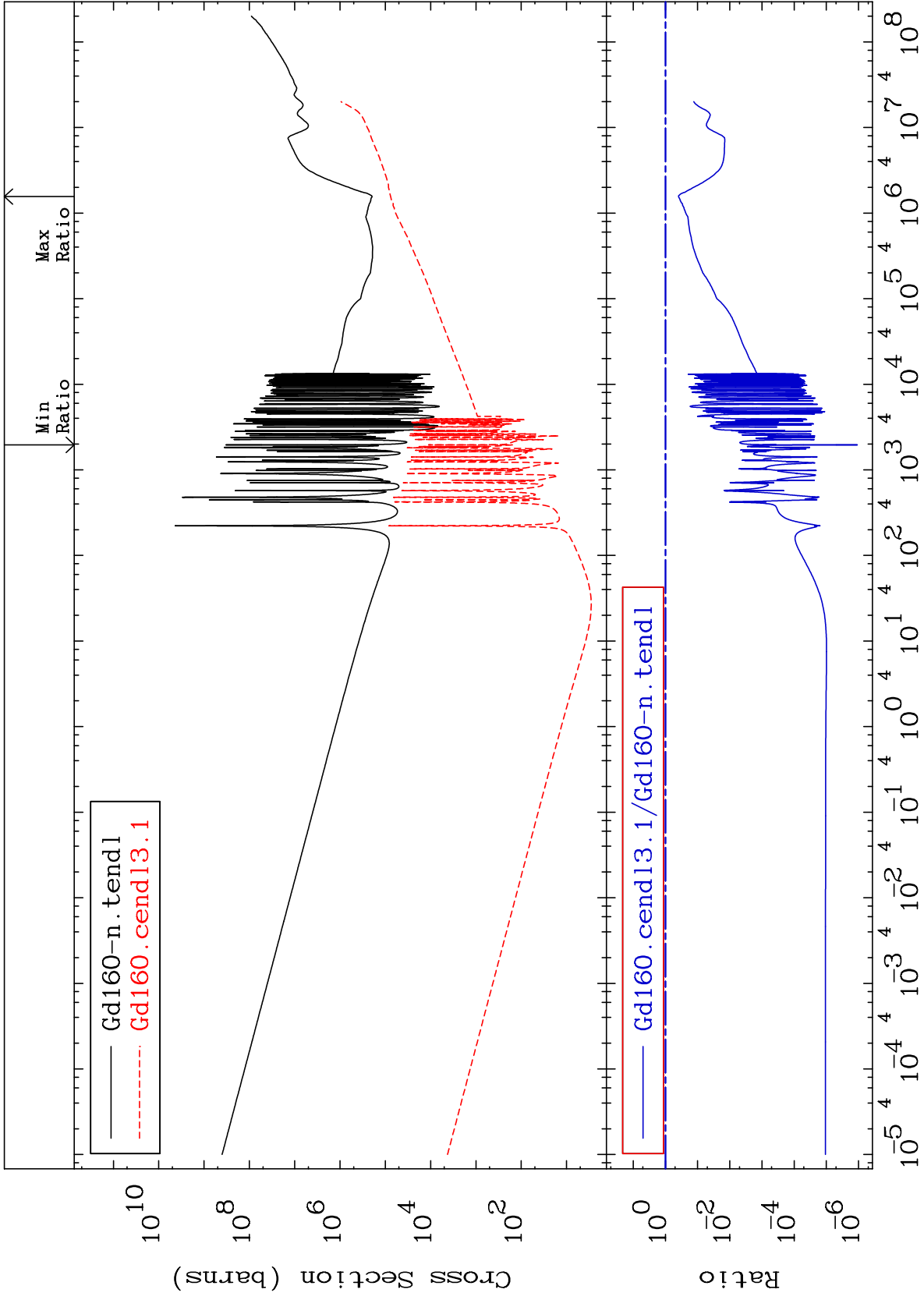
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

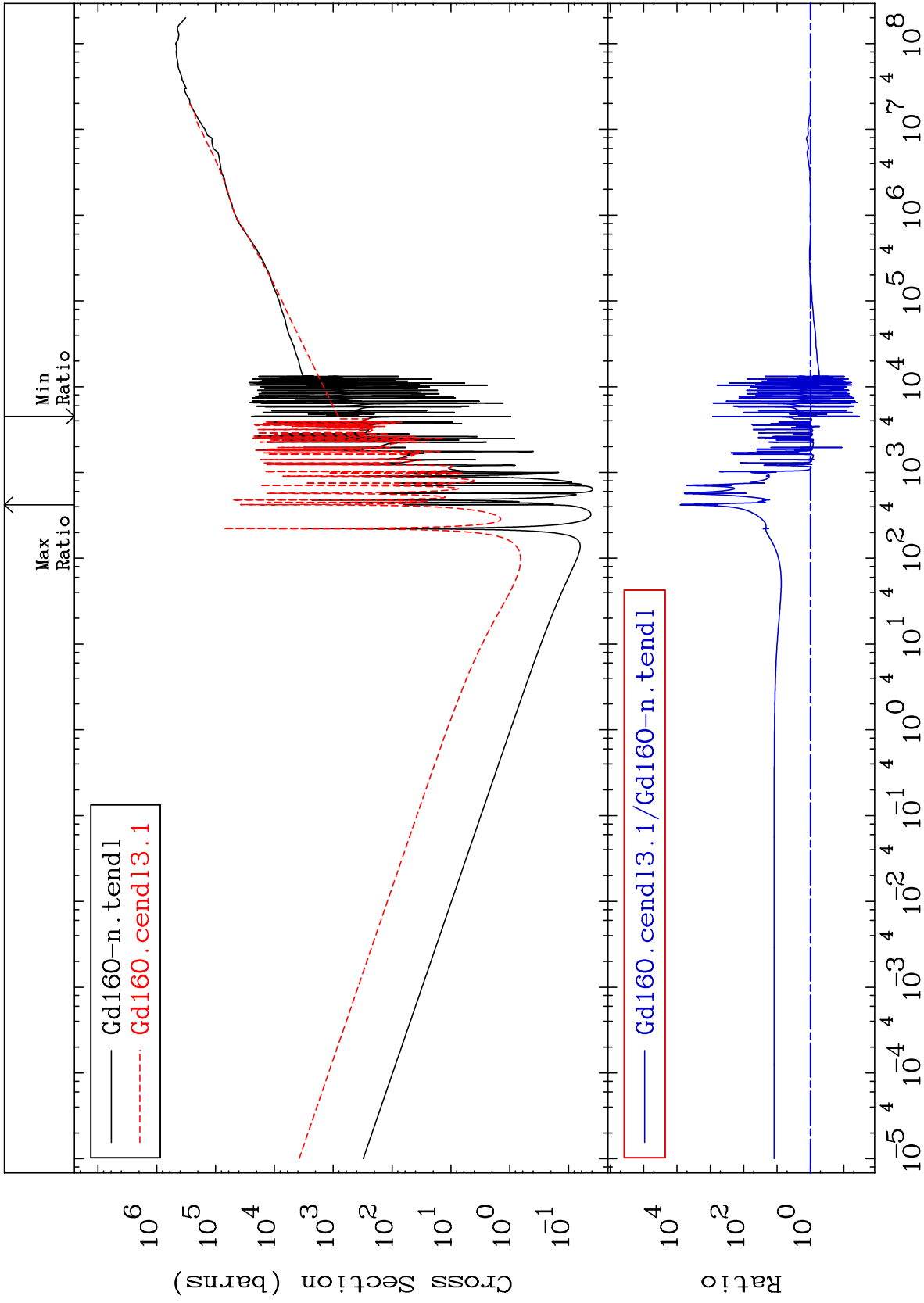
64-Gd-160
-100.0 To 180.2 %







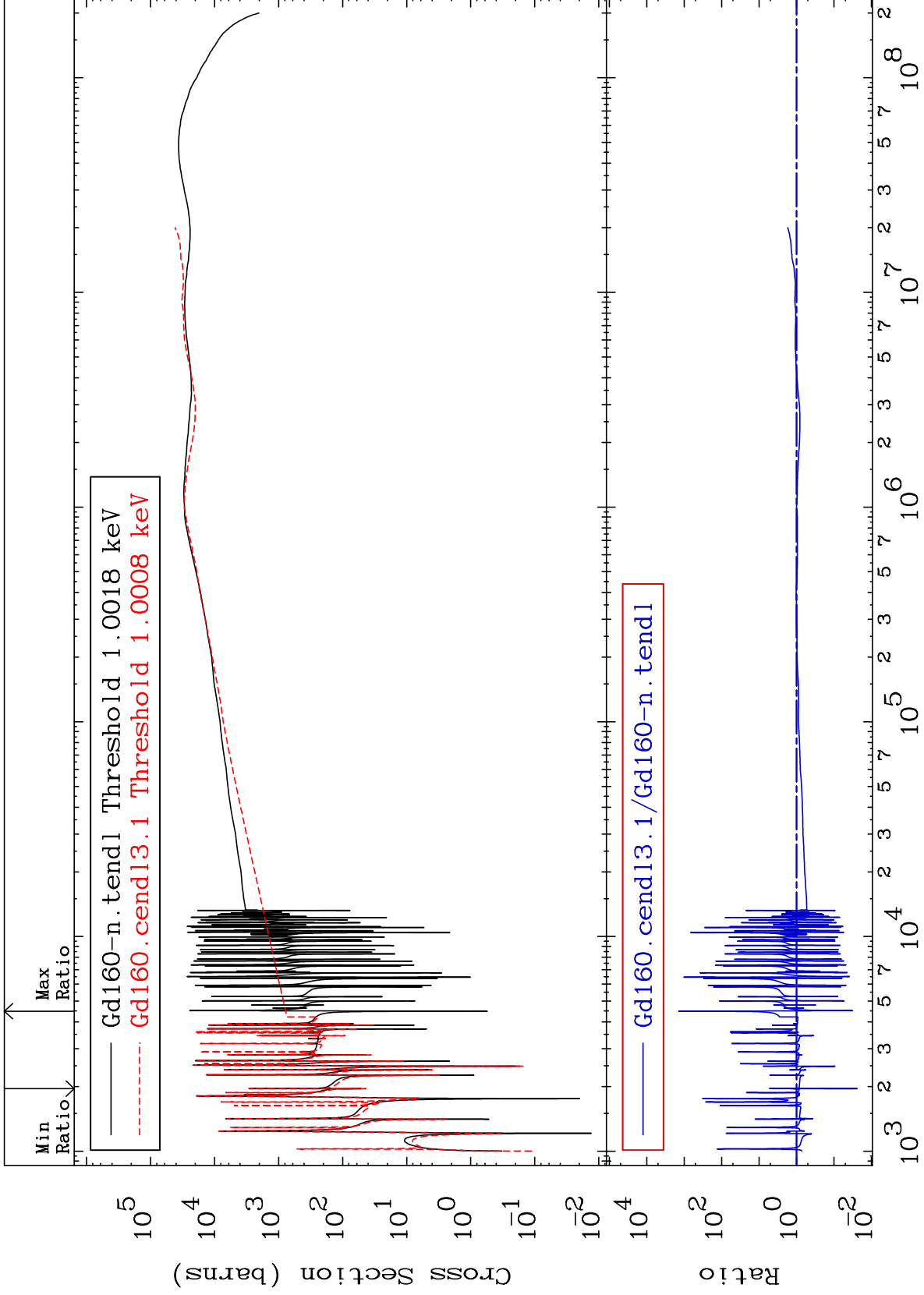




MAT 6449

Dpa elastic (mt2)
Cross Section

64-Gd-160
-97.60 To 9999. %



37

Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa inelastic (mt51-91)
Cross Section

64-Gd-160
-100.0 To 121.2 %

