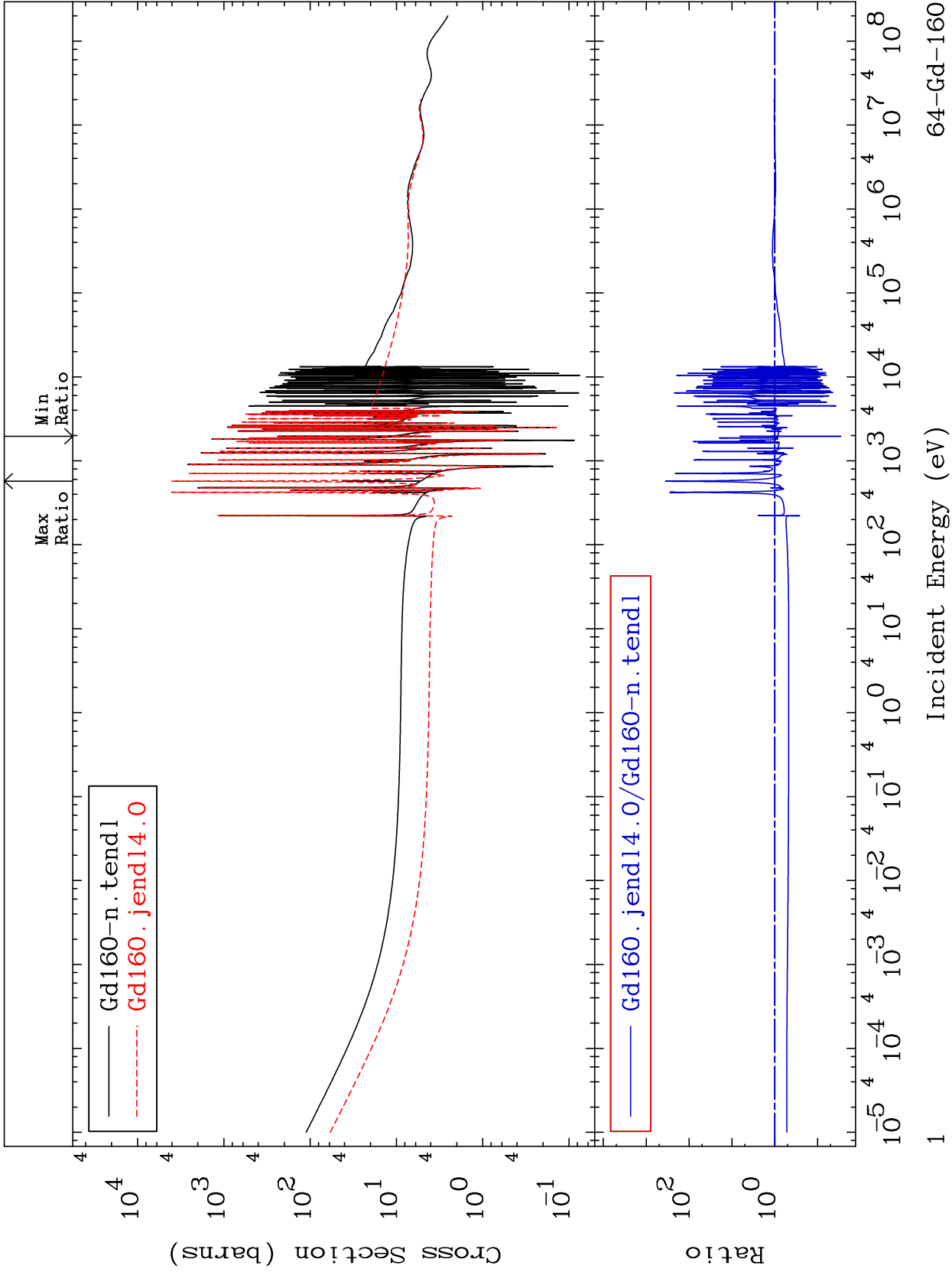


MAT 6449

Total
Cross Section

64-Gd-160
-97.11 To 9999. %



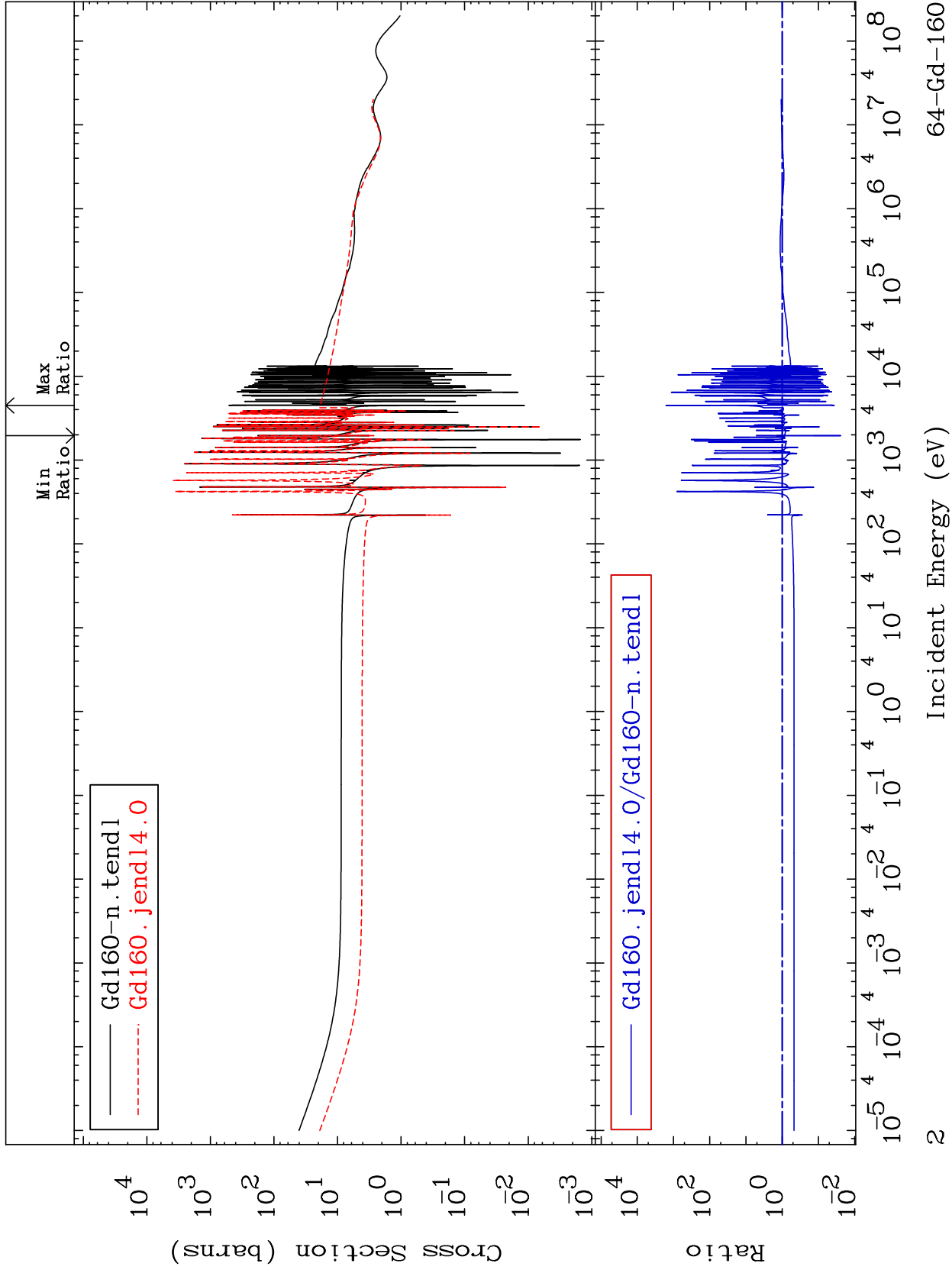
MAT 6449

Elastic

Cross Section

64-Gd-160

-97.60 To 9999. %



2

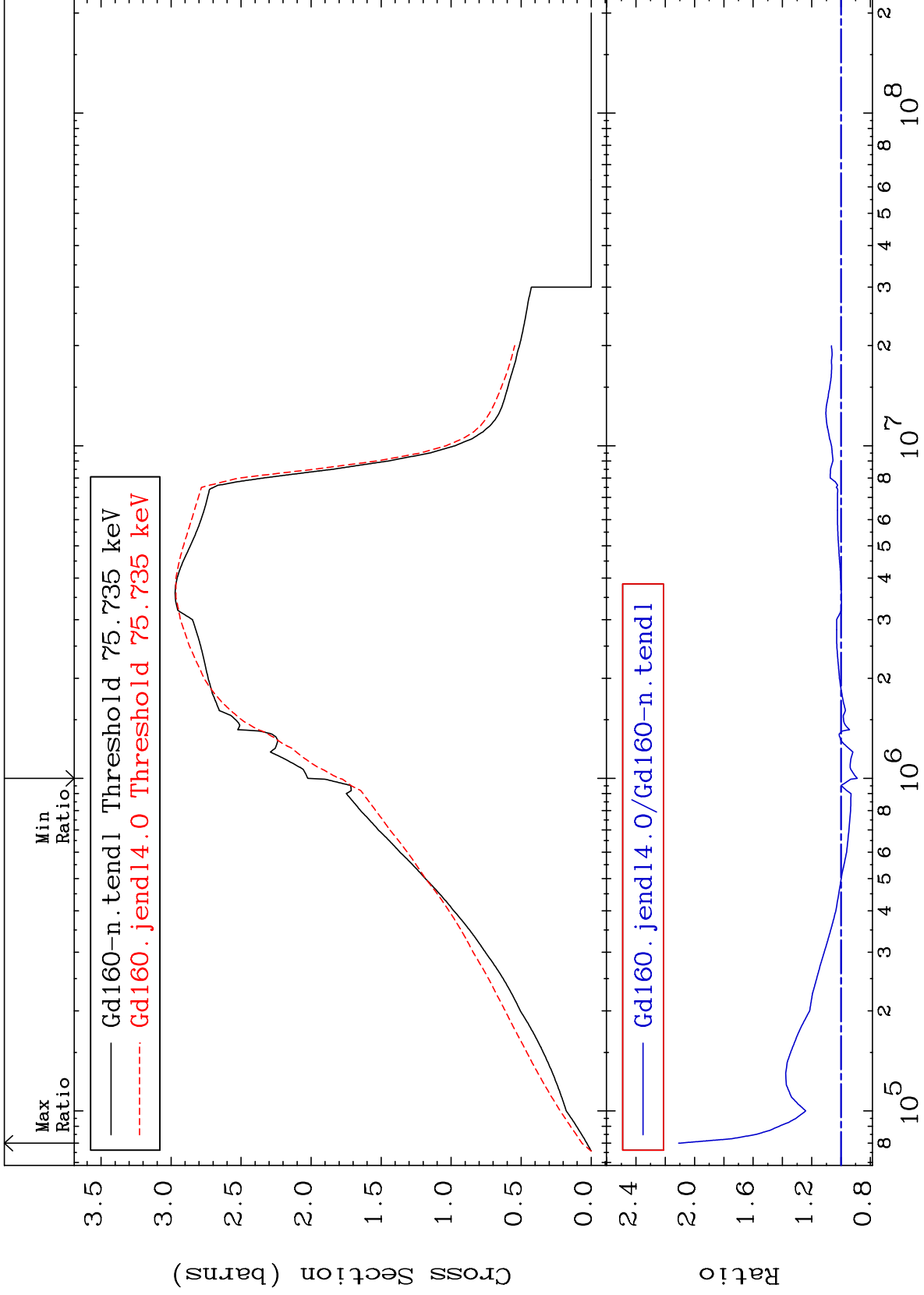
Incident Energy (eV)

64-Gd-160

MAT 6449

Inelastic
Cross Section

64-Gd-160
-11.08 To 110.9 %



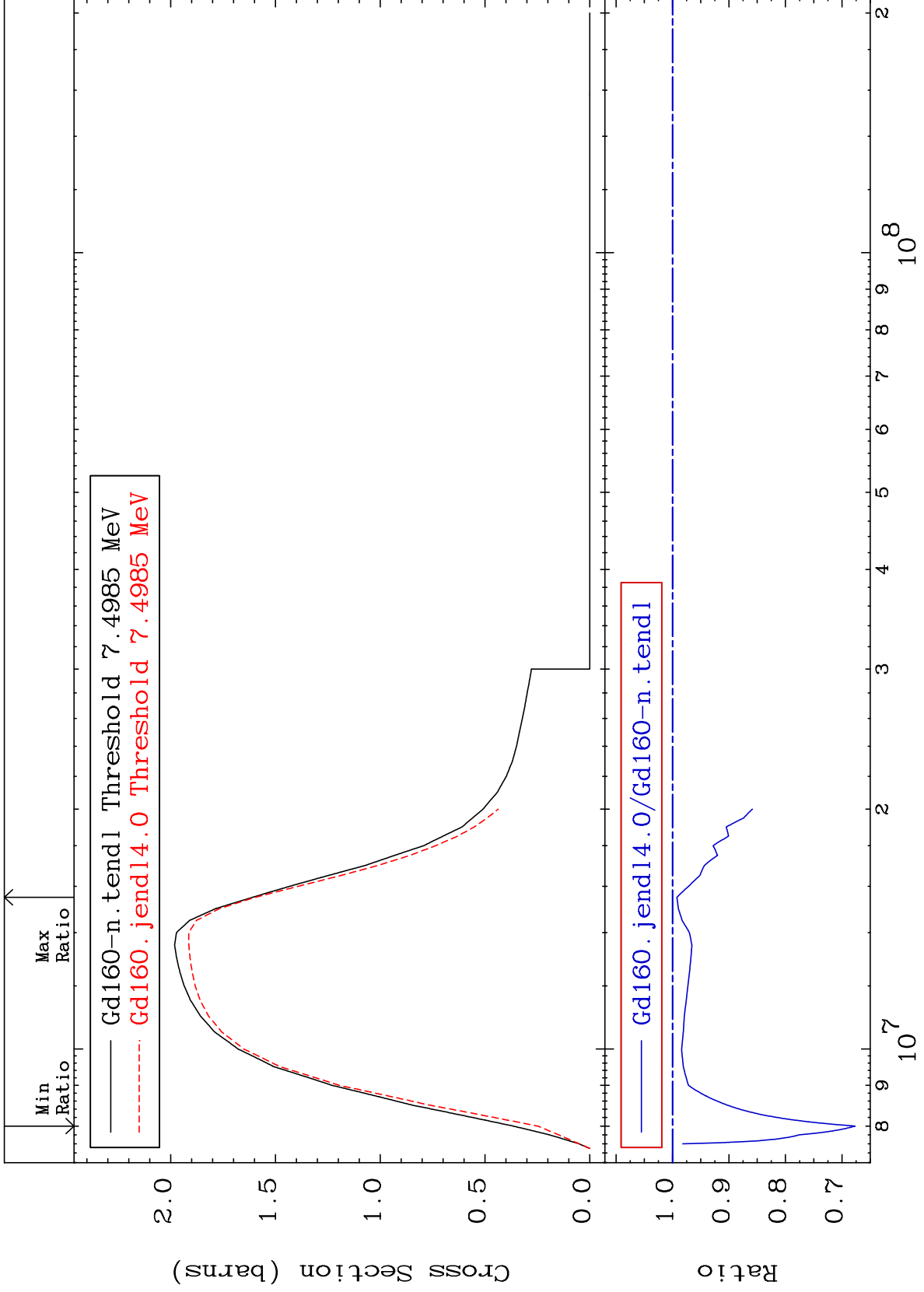
MAT 6449

(n,2n)

64-Gd-160

Cross Section

-32.33 To -0.777%



4

Incident Energy (eV)

64-Gd-160

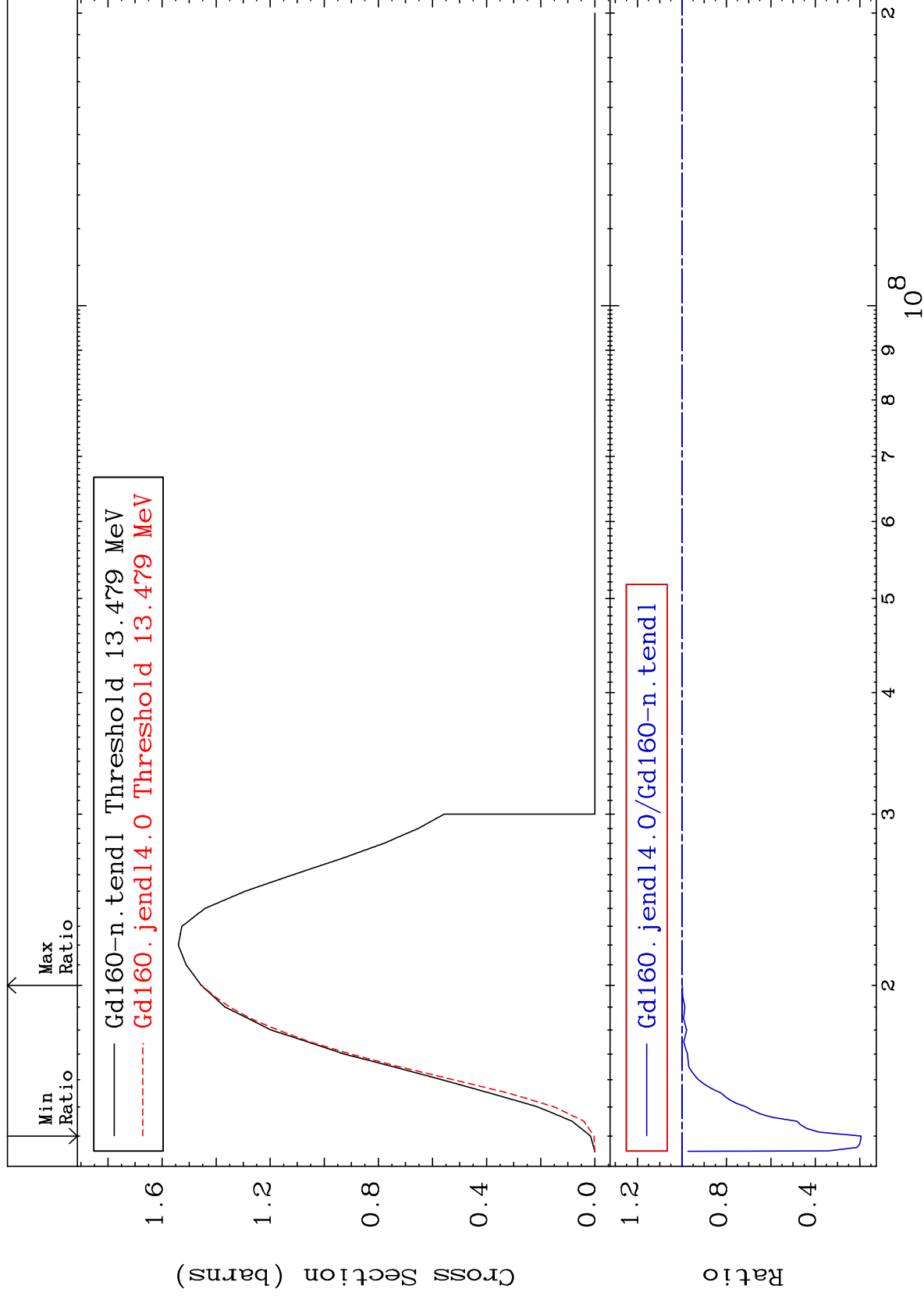
MAT 6449

(n,3n)

64-Gd-160

Cross Section

-80.61 To -0.155%



5

Incident Energy (eV)

64-Gd-160

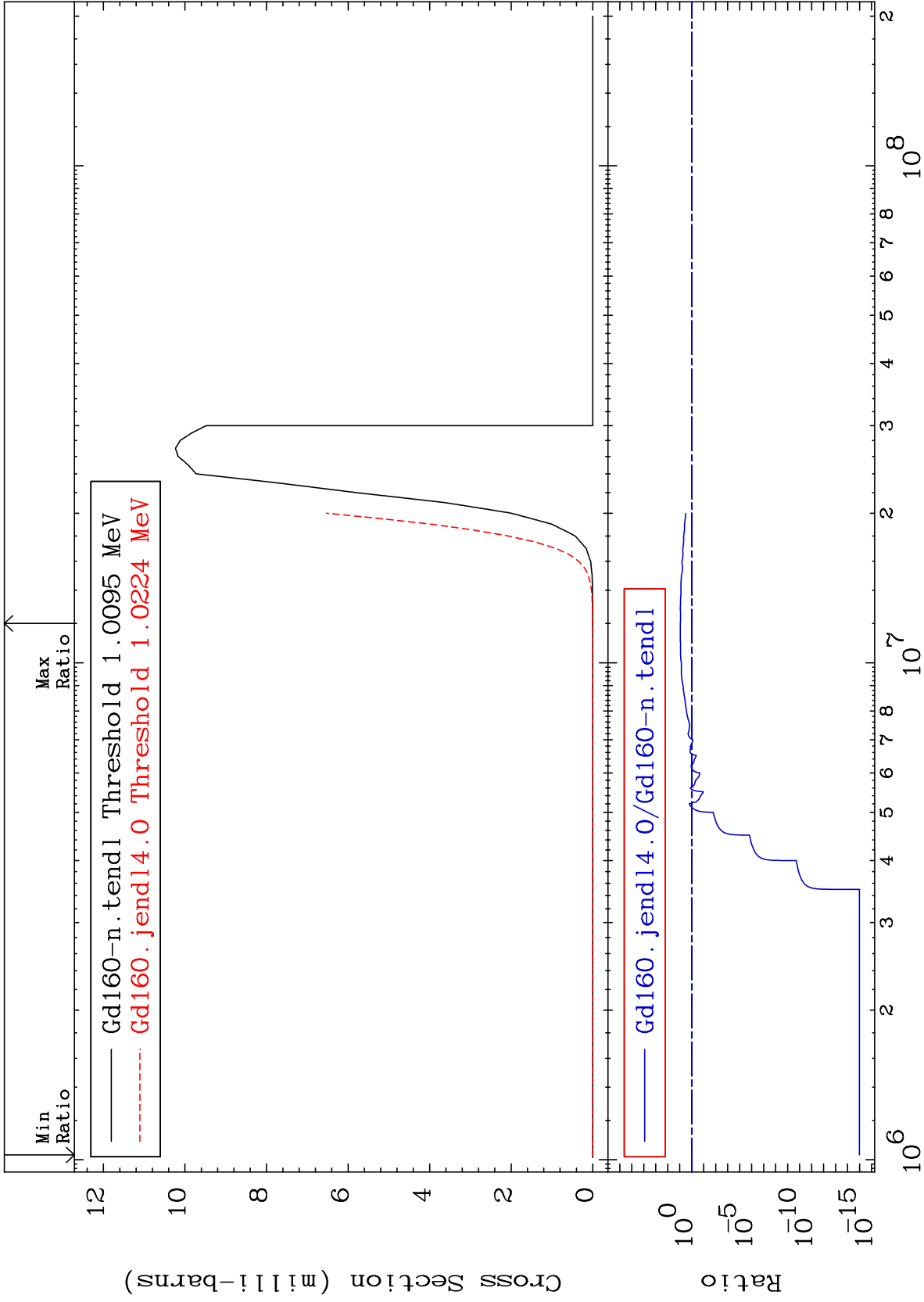
MAT 6449

(n,n') α

64-Gd-160

Cross Section

-100.0 To 789.1 %



64-Gd-160

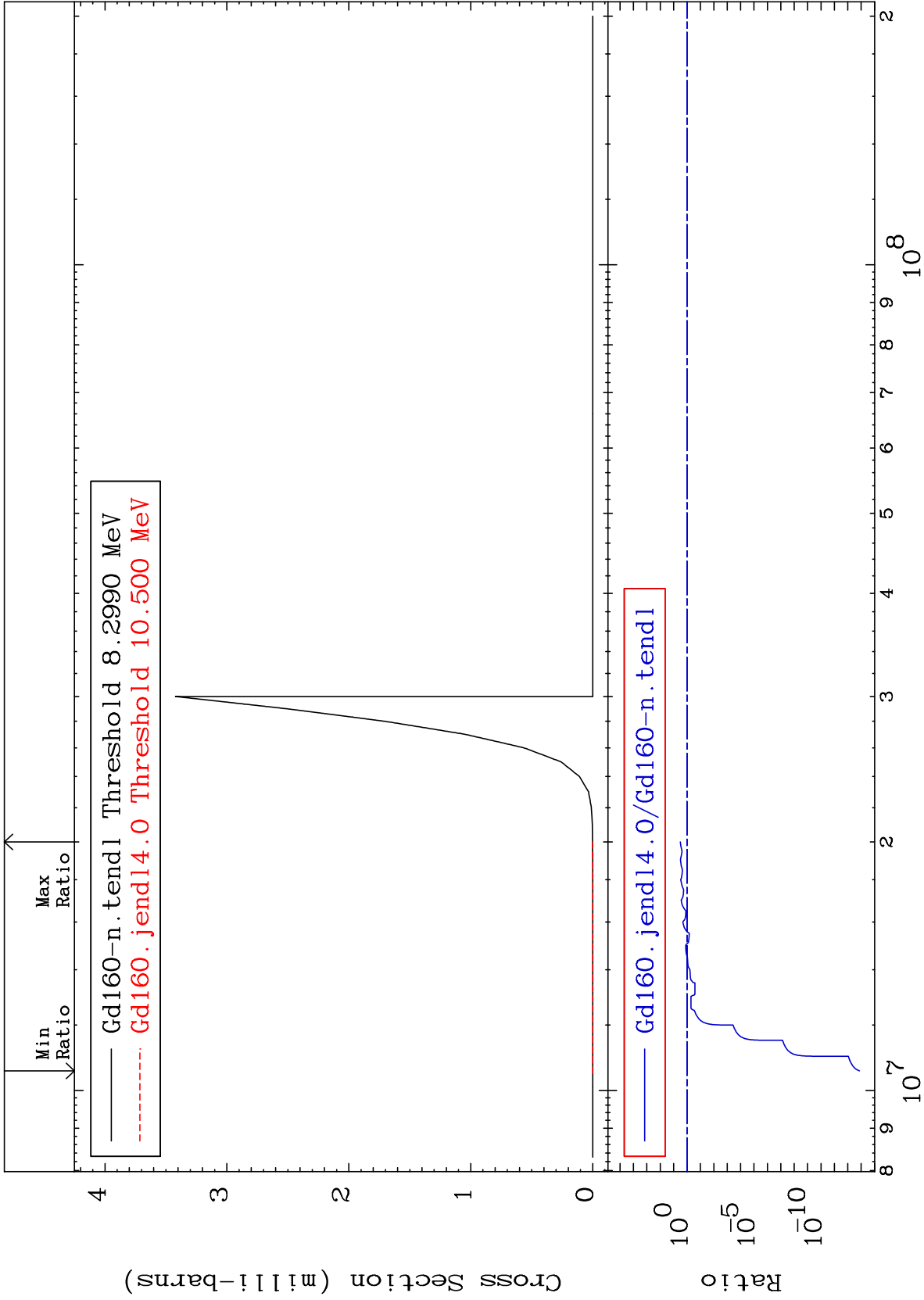
MAT 6449

(n,2n) α

64-Gd-160

Cross Section

-100.0 To 214.2 %



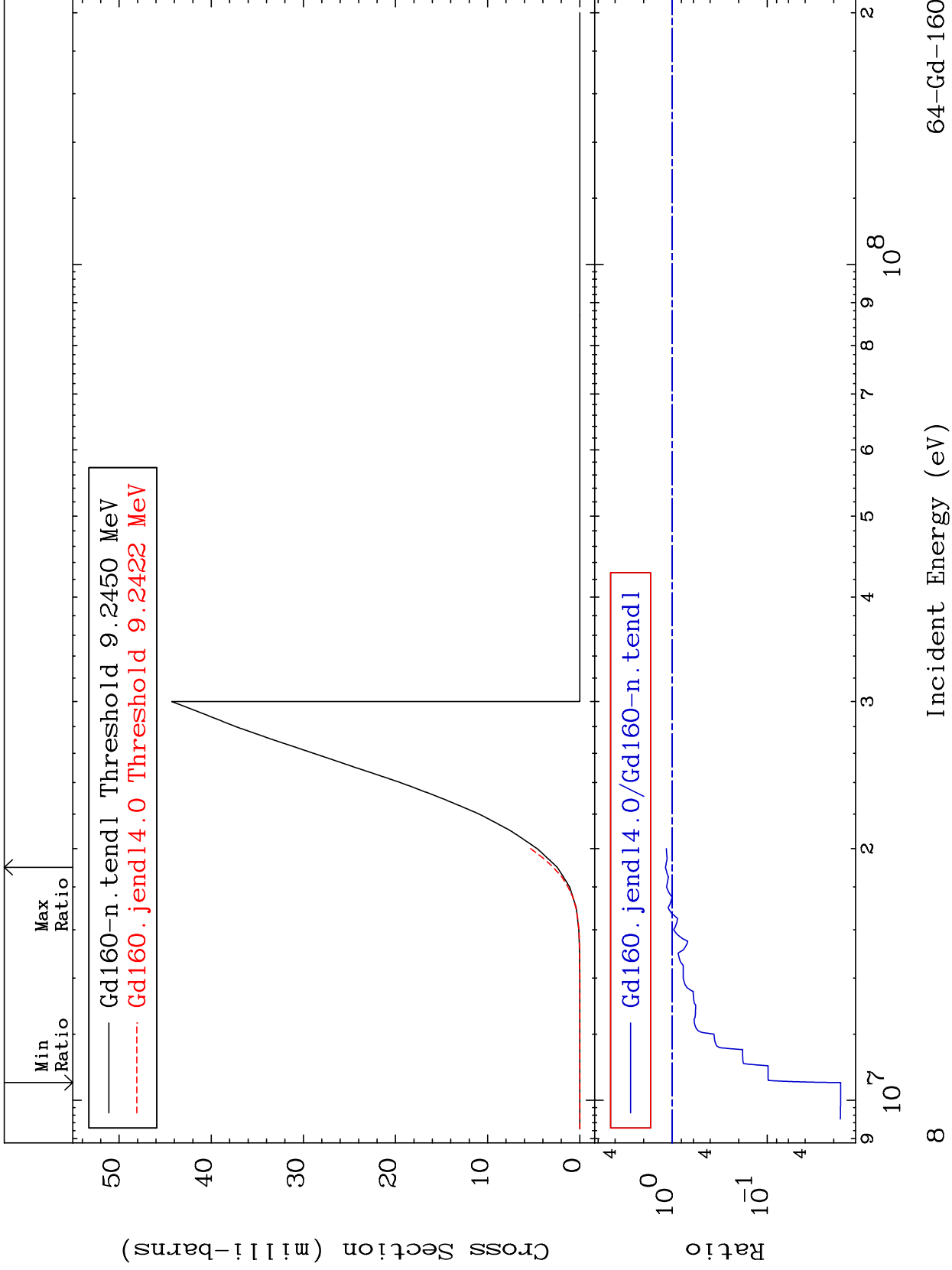
64-Gd-160

7

MAT 6449

(n, n') p
Cross Section

64-Gd-160
-98.31 To 17.73 %

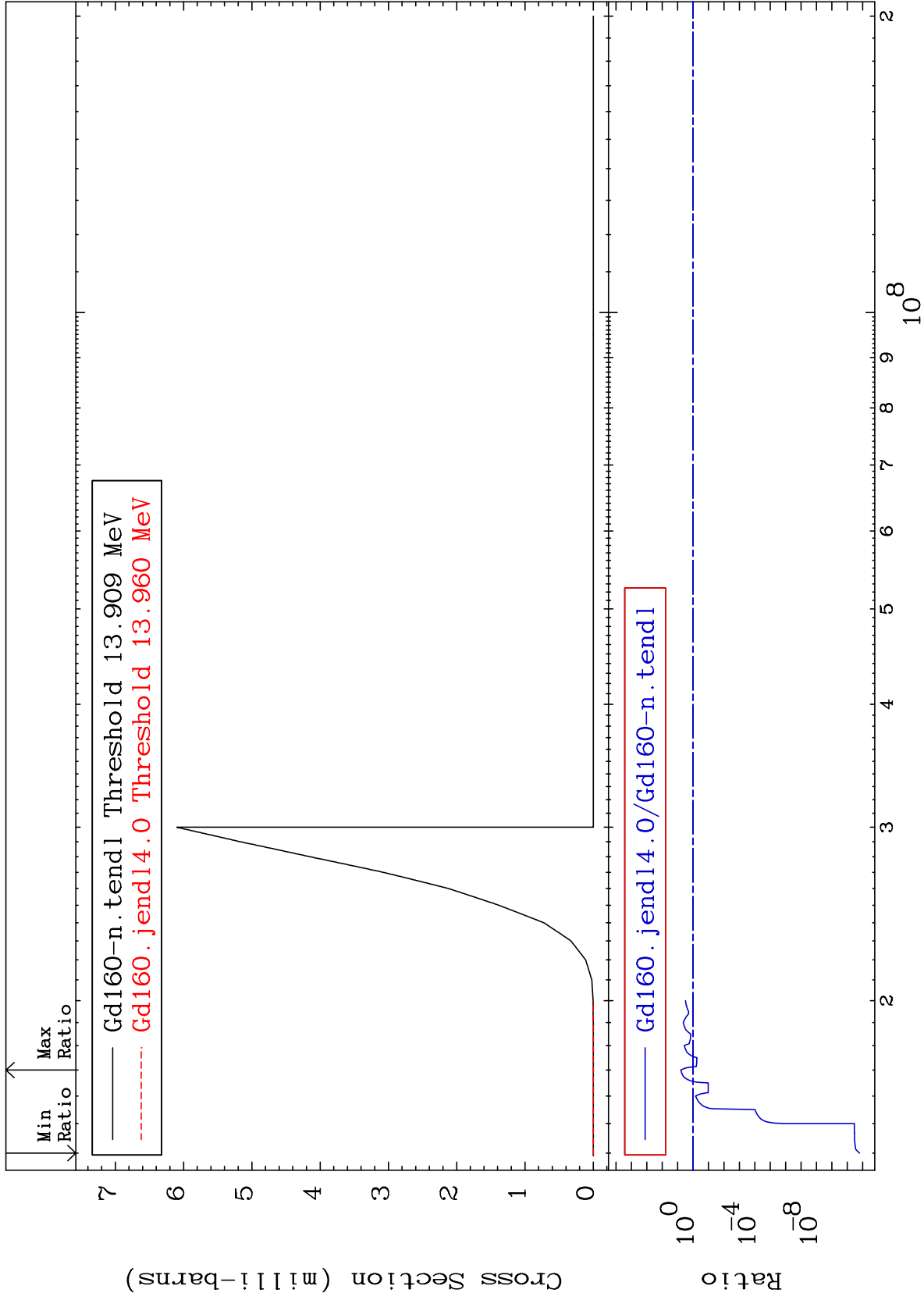


Incident Energy (eV)

64-Gd-160

Cross Section

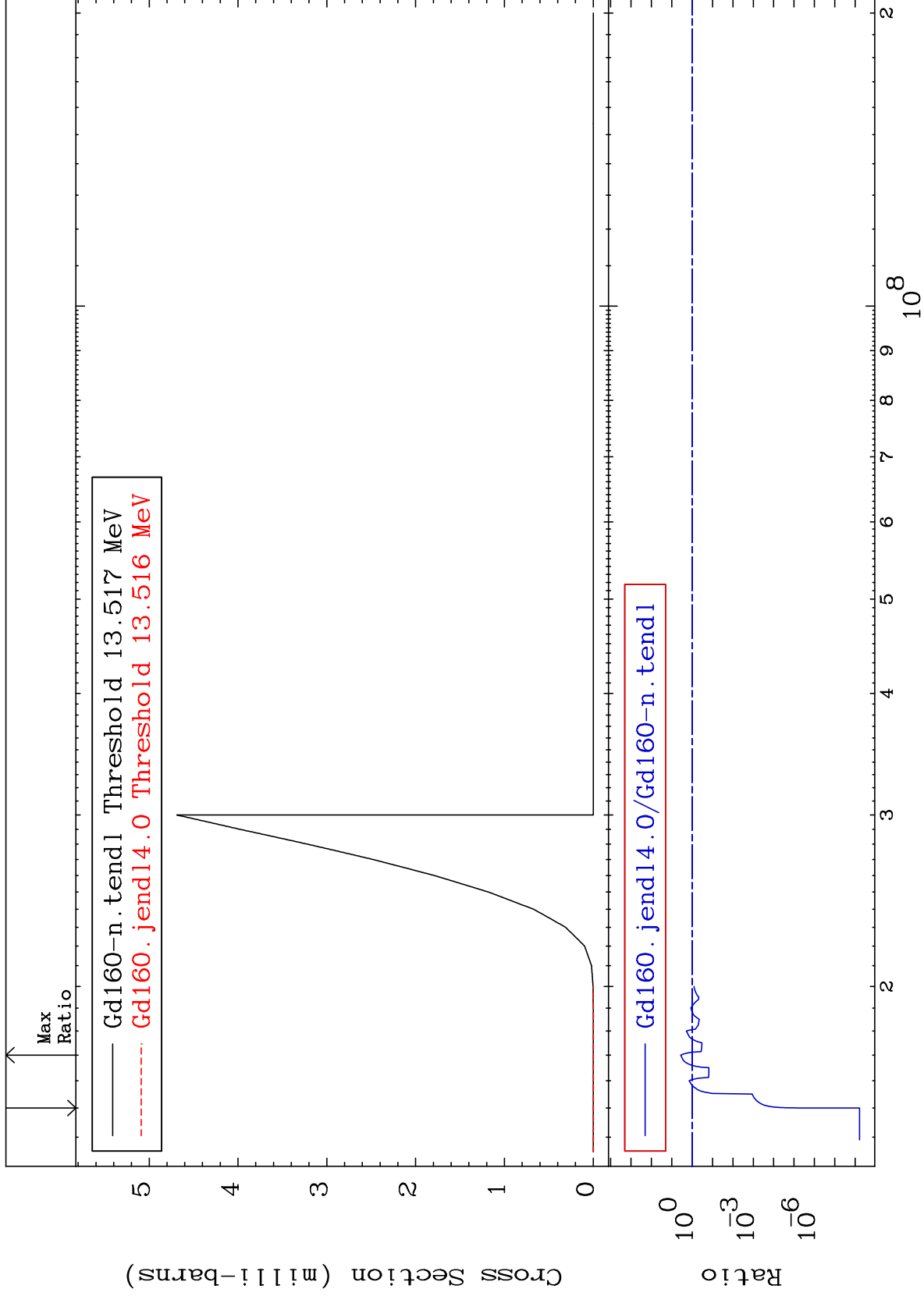
-100.0 To 532.1 %



MAT 6449

(n,n') t
Cross Section

64-Gd-160
-100.0 To 260.3 %



10

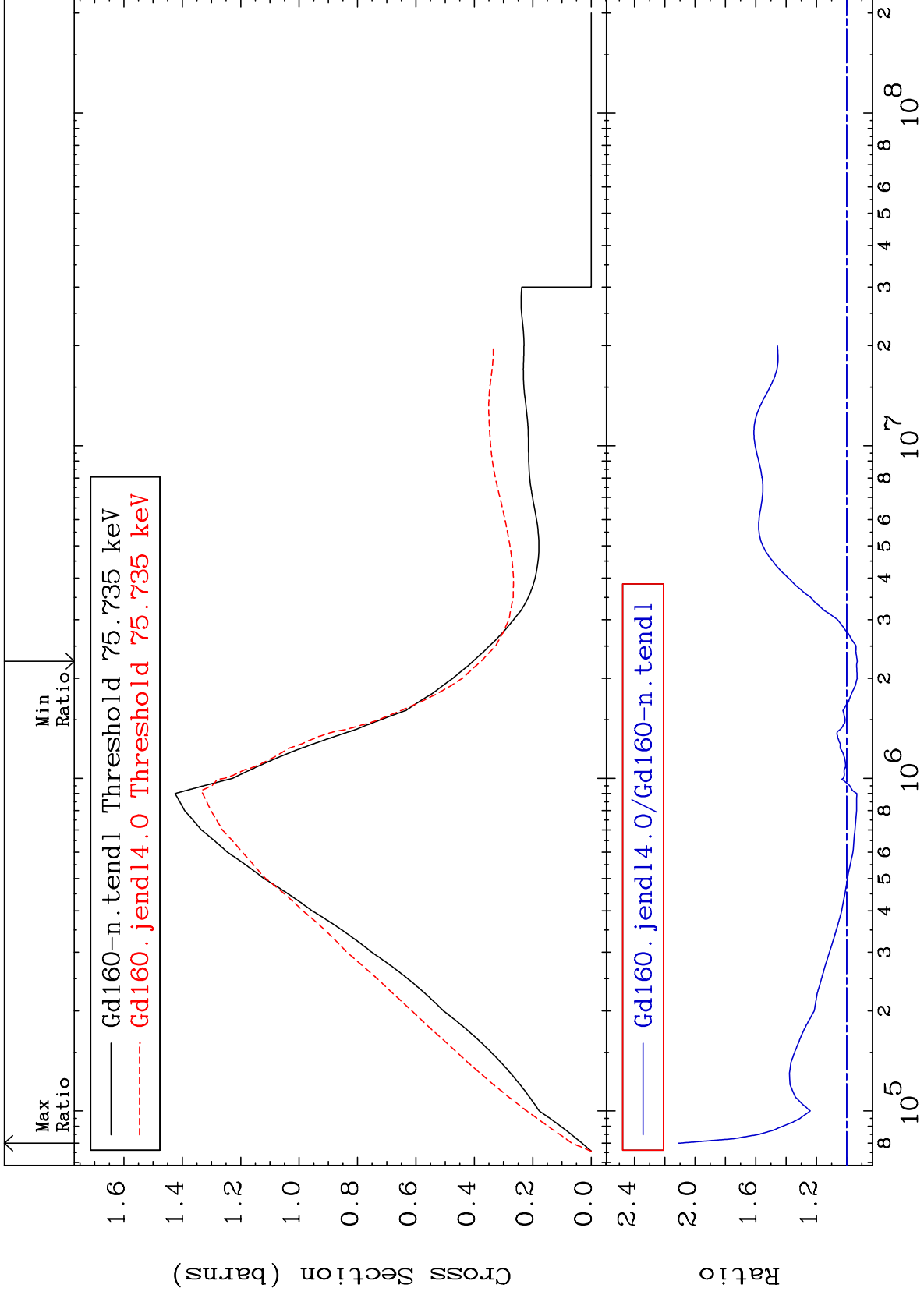
Incident Energy (eV)

64-Gd-160

MAT 6449

75.26 keV (n,n') Level
Cross Section

64-Gd-160
-6.941 To 110.9 %



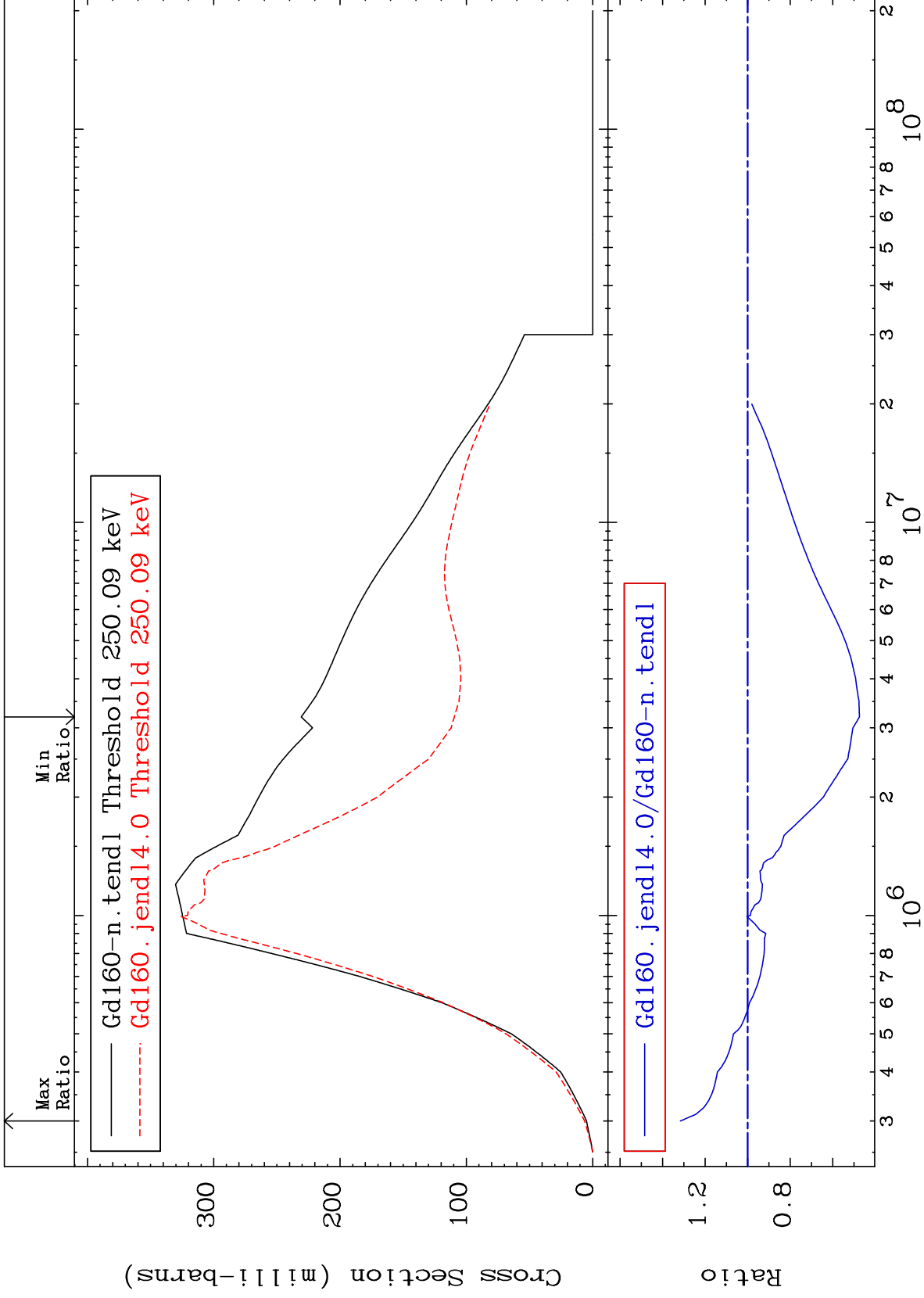
11

64-Gd-160

MAT 6449

248.5 keV (n,n') Level
Cross Section

64-Gd-160
-52.51 To 31.67 %



12

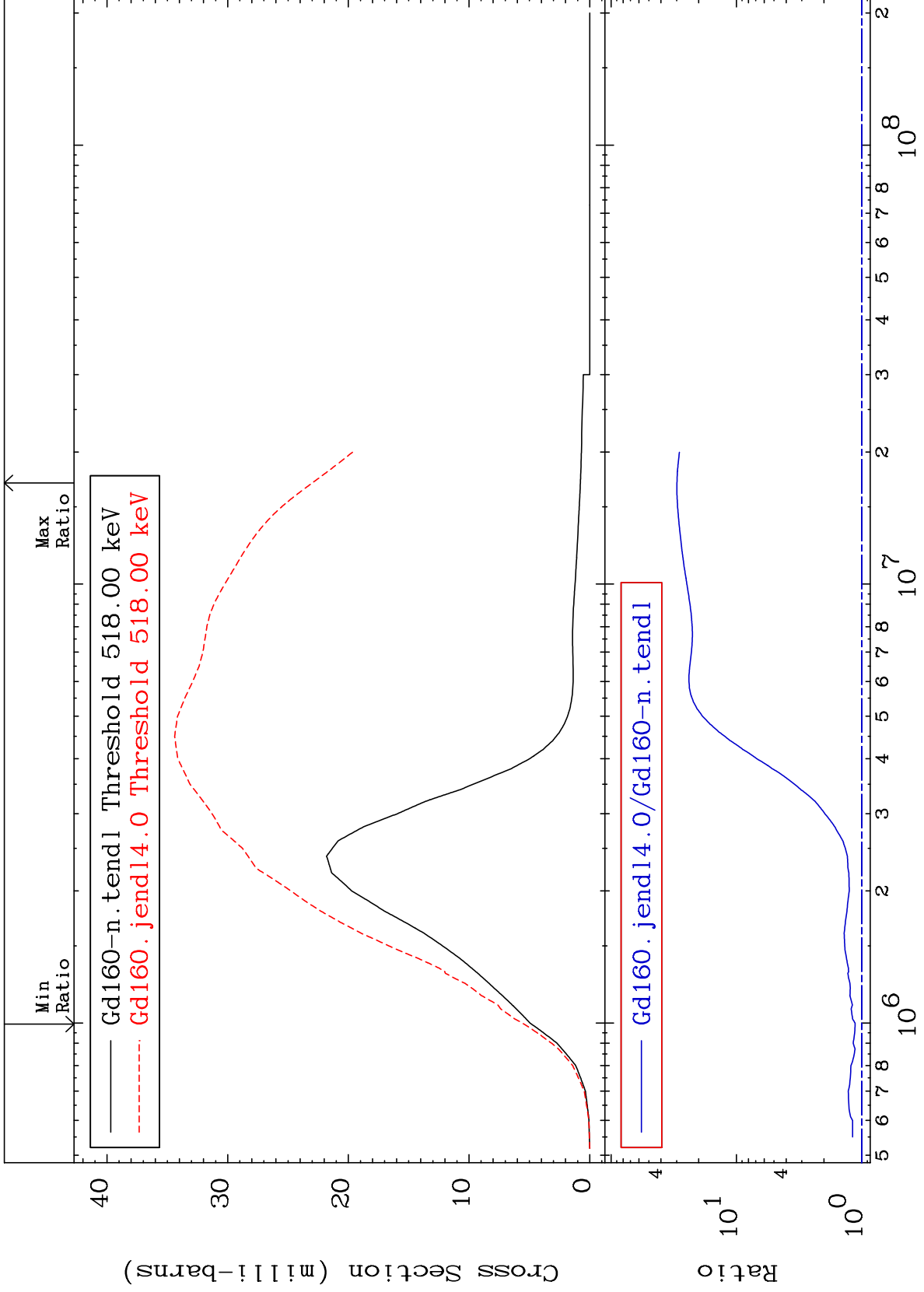
Incident Energy (eV)

64-Gd-160

MAT 6449

514.7 keV (n,n') Level
Cross Section

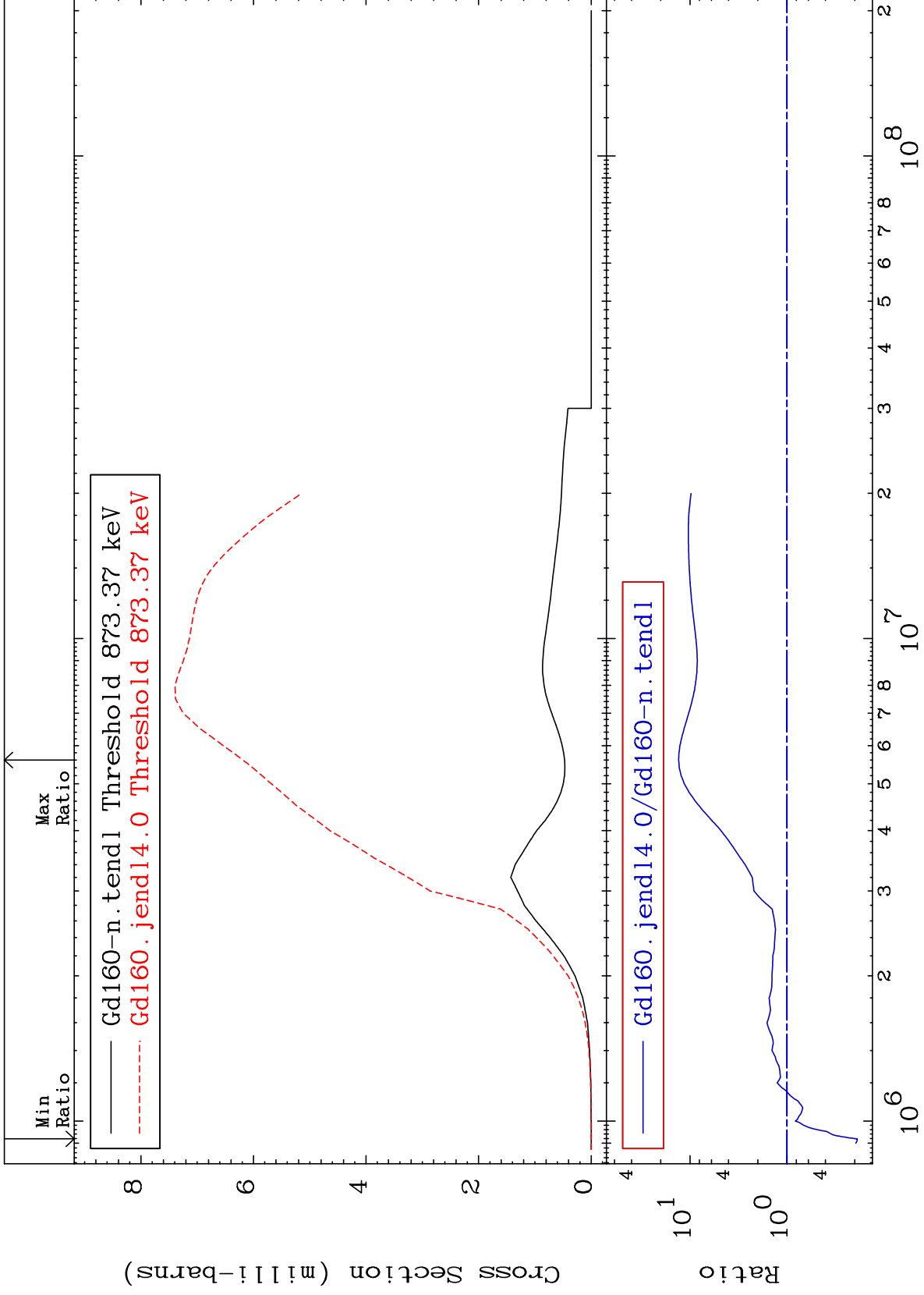
64-Gd-160
12.79 To 2881. %



MAT 6449

867.9 keV (n,n') Level
Cross Section

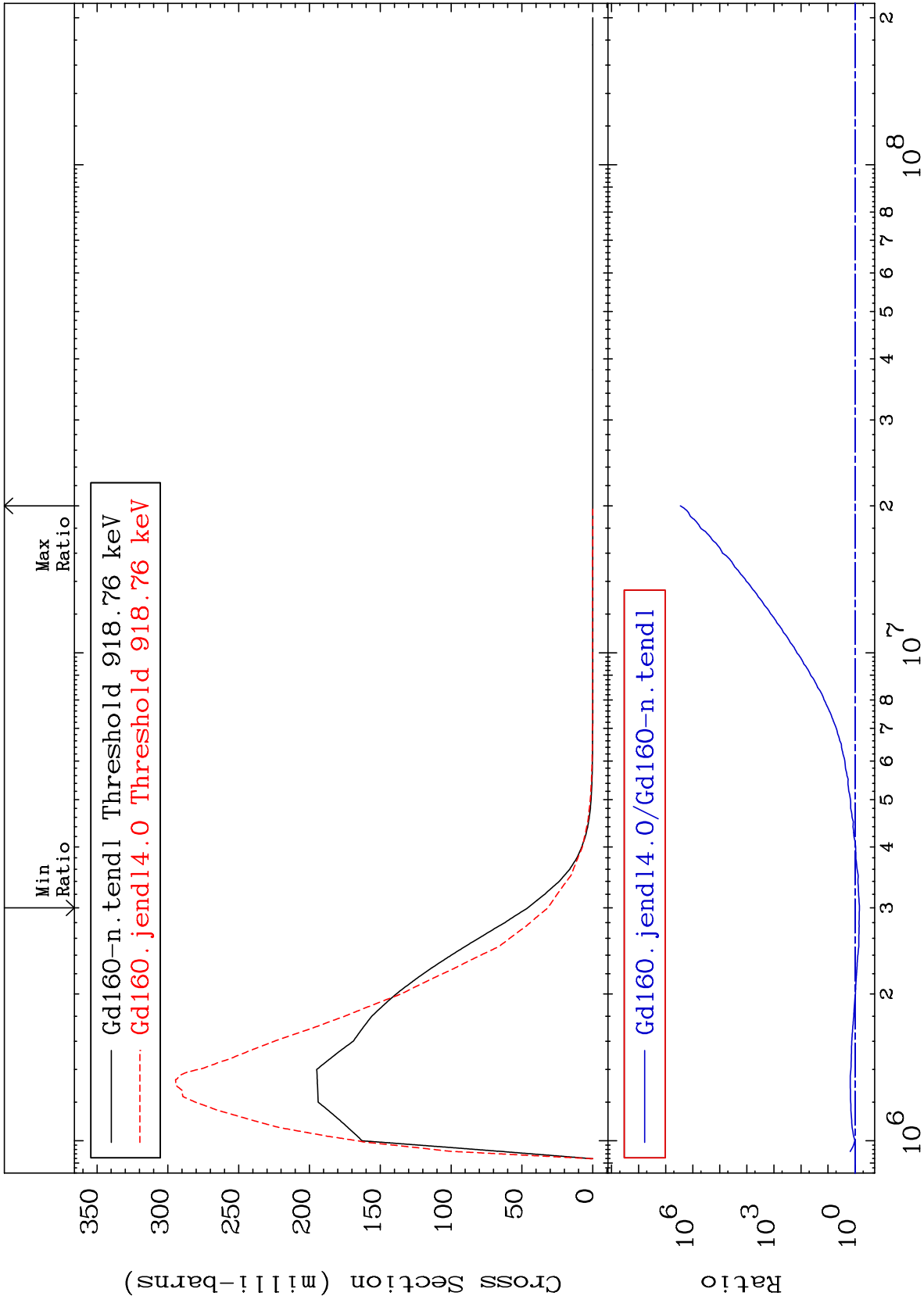
64-Gd-160
-81.18 To 1209. %



MAT 6449

913.0 keV (n,n') Level
Cross Section

64-Gd-160
-30.95 To 9999. %



15

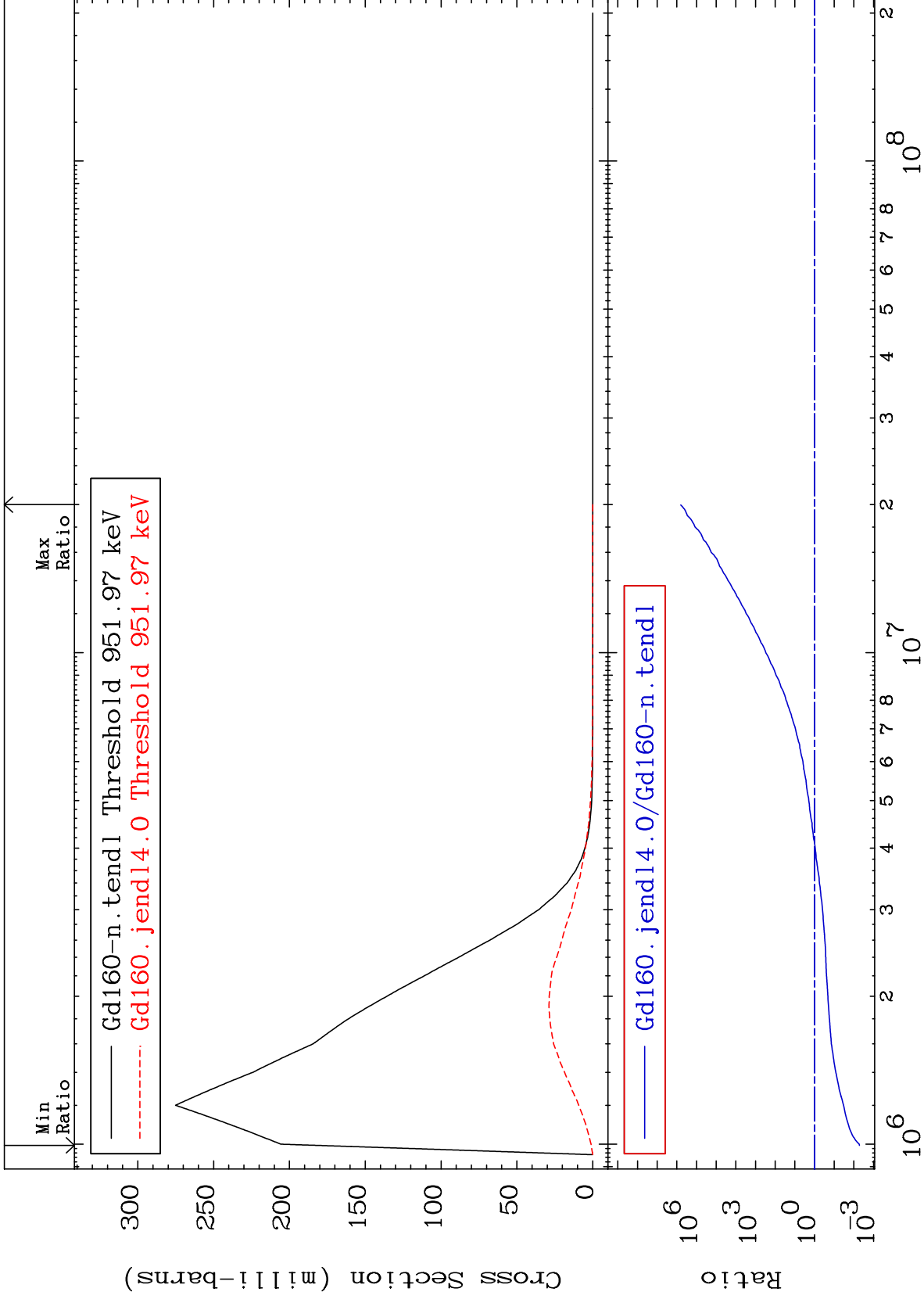
Incident Energy (eV)

64-Gd-160

MAT 6449

946.0 keV (n,n') Level
Cross Section

64-Gd-160
-99.48 To 9999. %



16

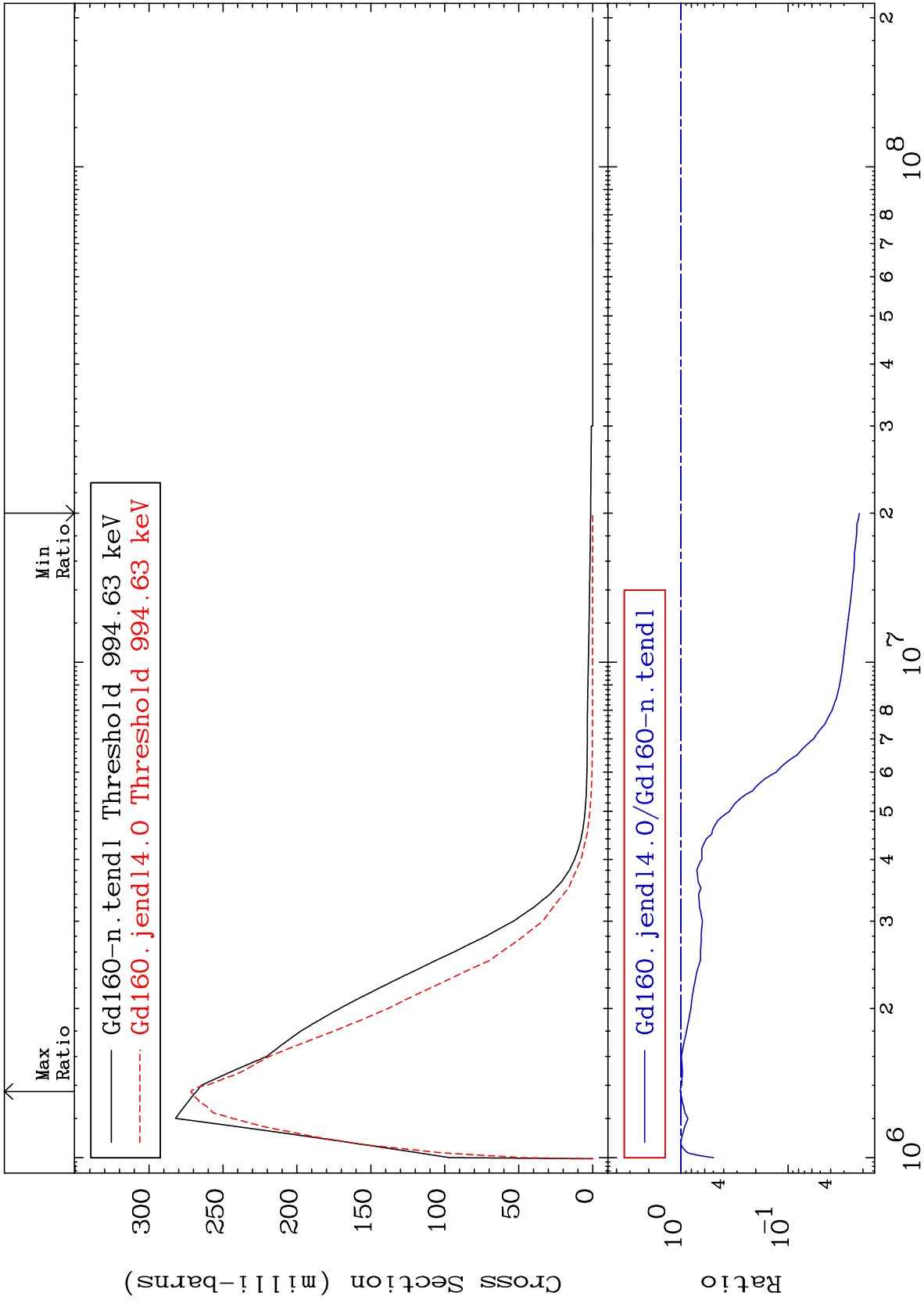
Incident Energy (eV)

64-Gd-160

MAT 6449

988.4 keV (n,n') Level
Cross Section

64-Gd-160
-97.84 To 1.394 %



17

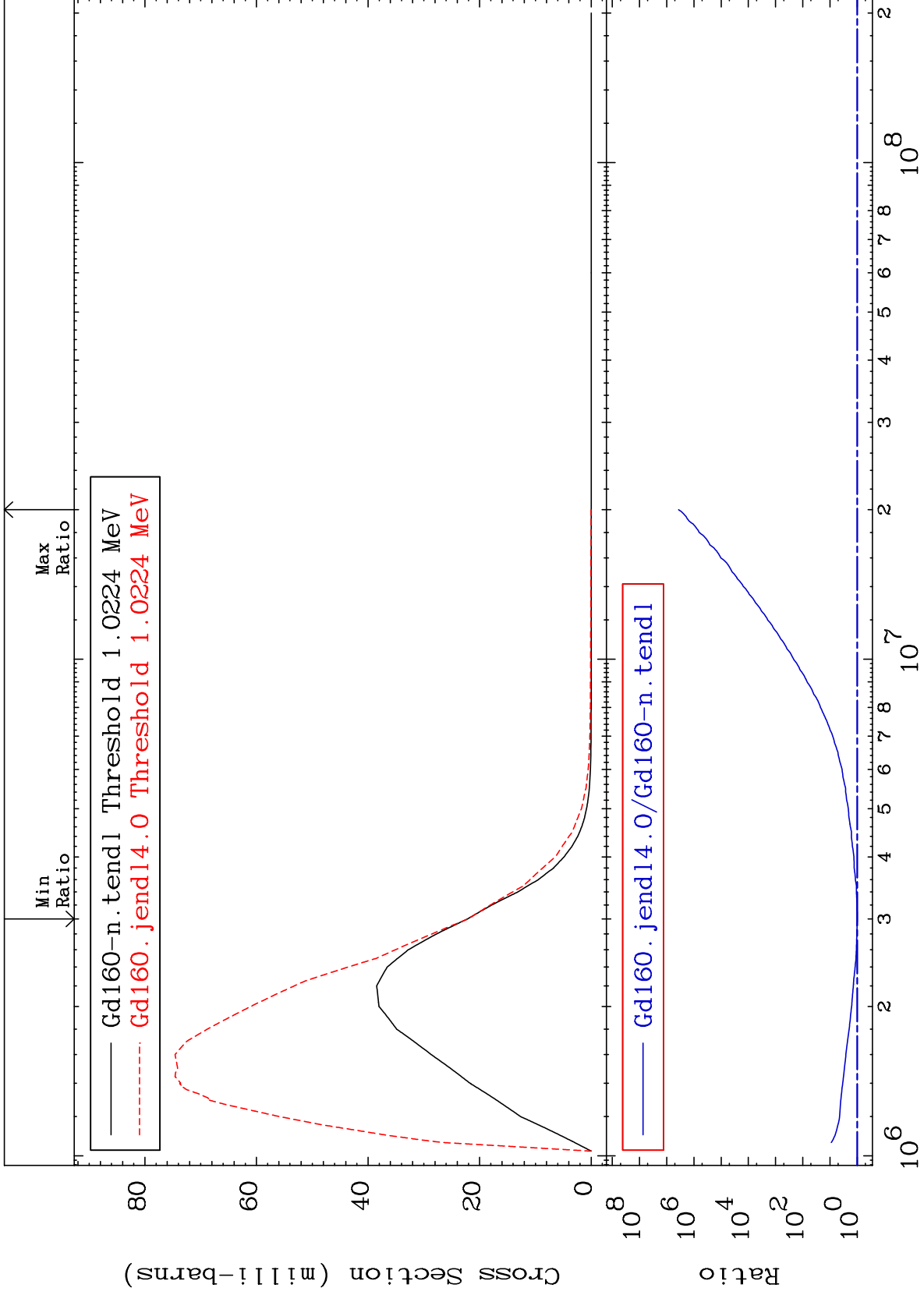
Incident Energy (eV)

64-Gd-160

MAT 6449

1.016 MeV (n,n') Level
Cross Section

64-Gd-160
-0.428 To 9999. %



18

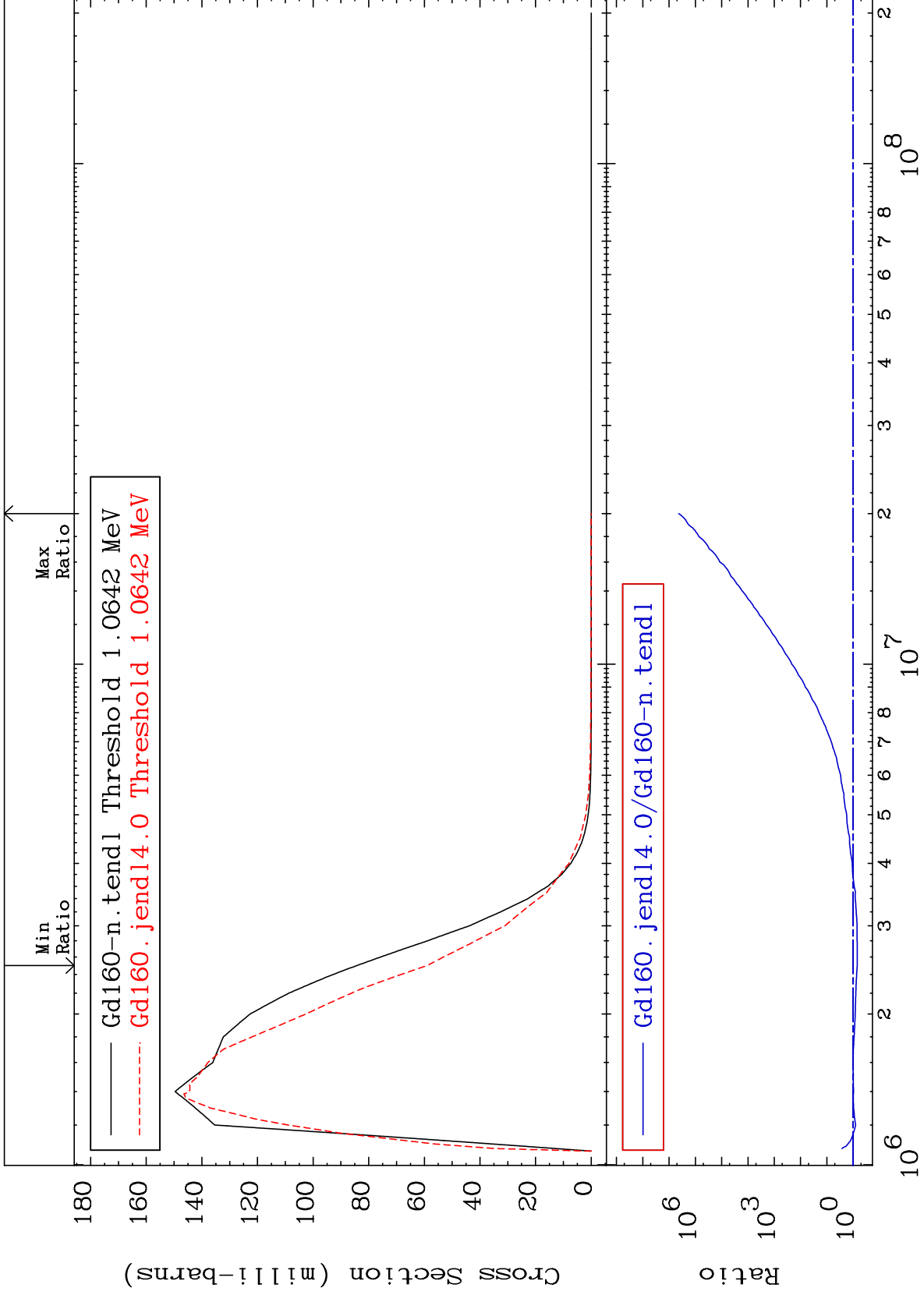
Incident Energy (eV)

64-Gd-160

MAT 6449

1.058 MeV (n,n') Level
Cross Section

64-Gd-160
-30.01 To 9999. %



19

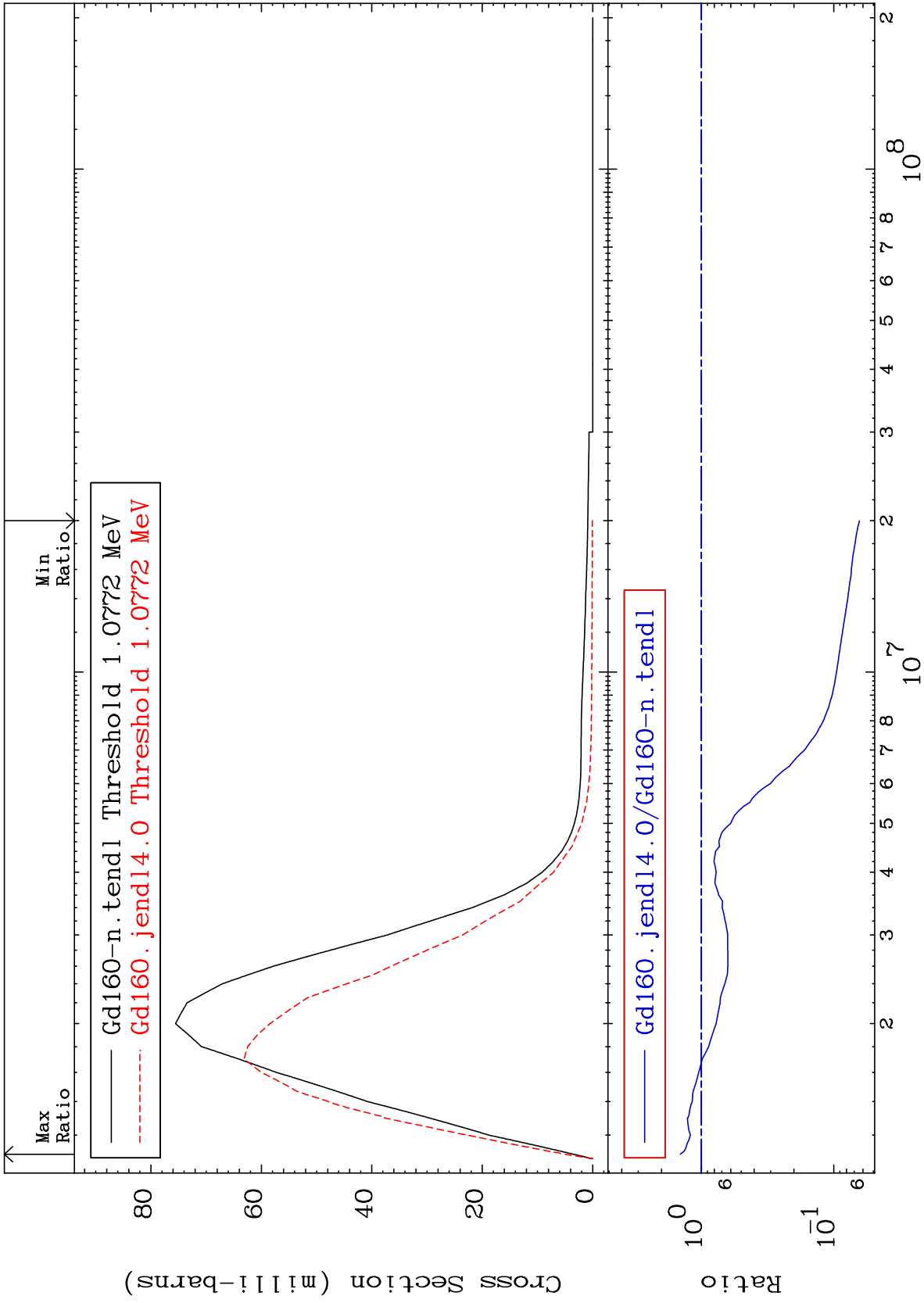
Incident Energy (eV)

64-Gd-160

MAT 6449

1.070 MeV (n,n') Level
Cross Section

64-Gd-160
-93.61 To 44.24 %



20

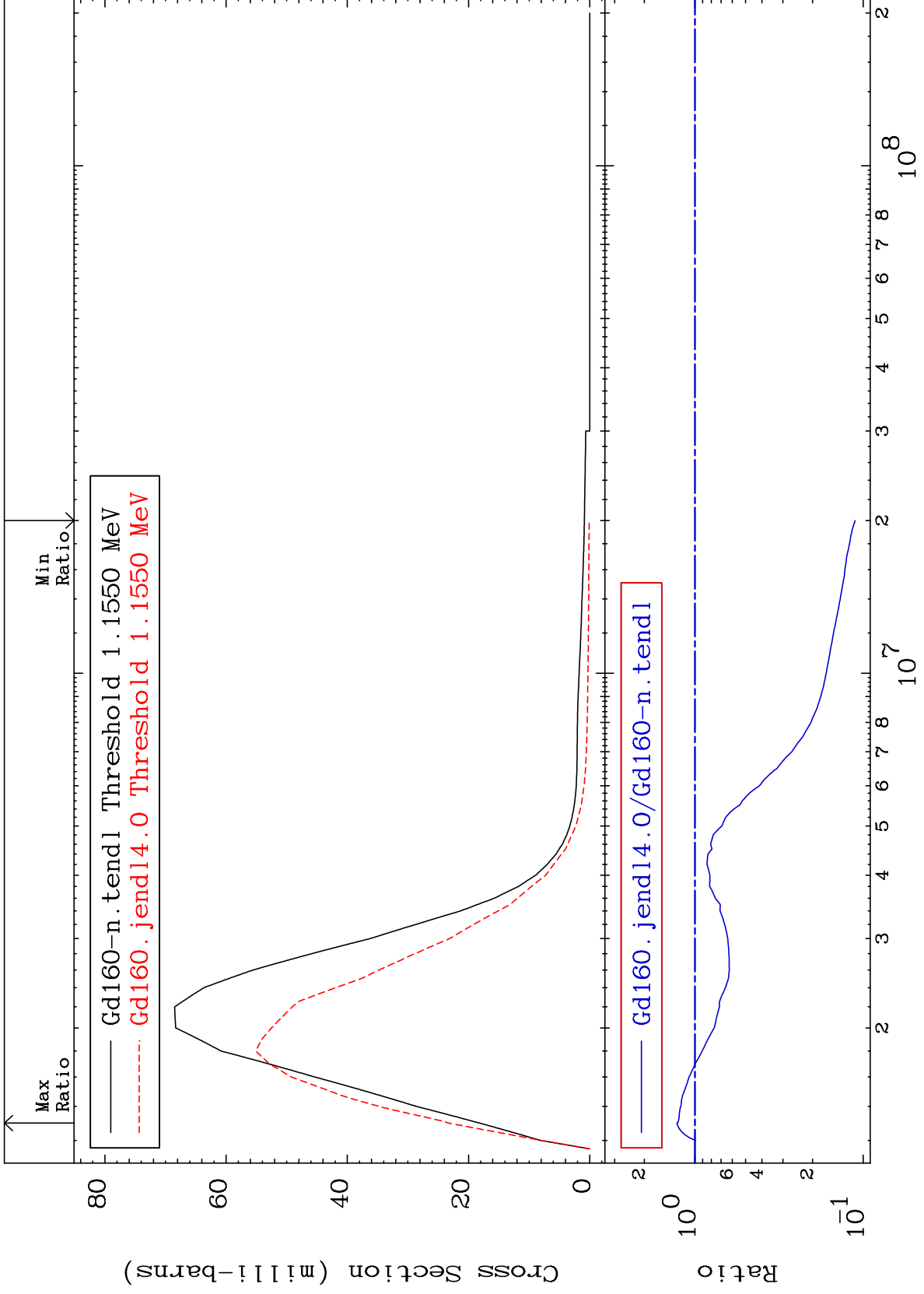
Incident Energy (eV)

64-Gd-160

MAT 6449

1.148 MeV (n,n') Level
Cross Section

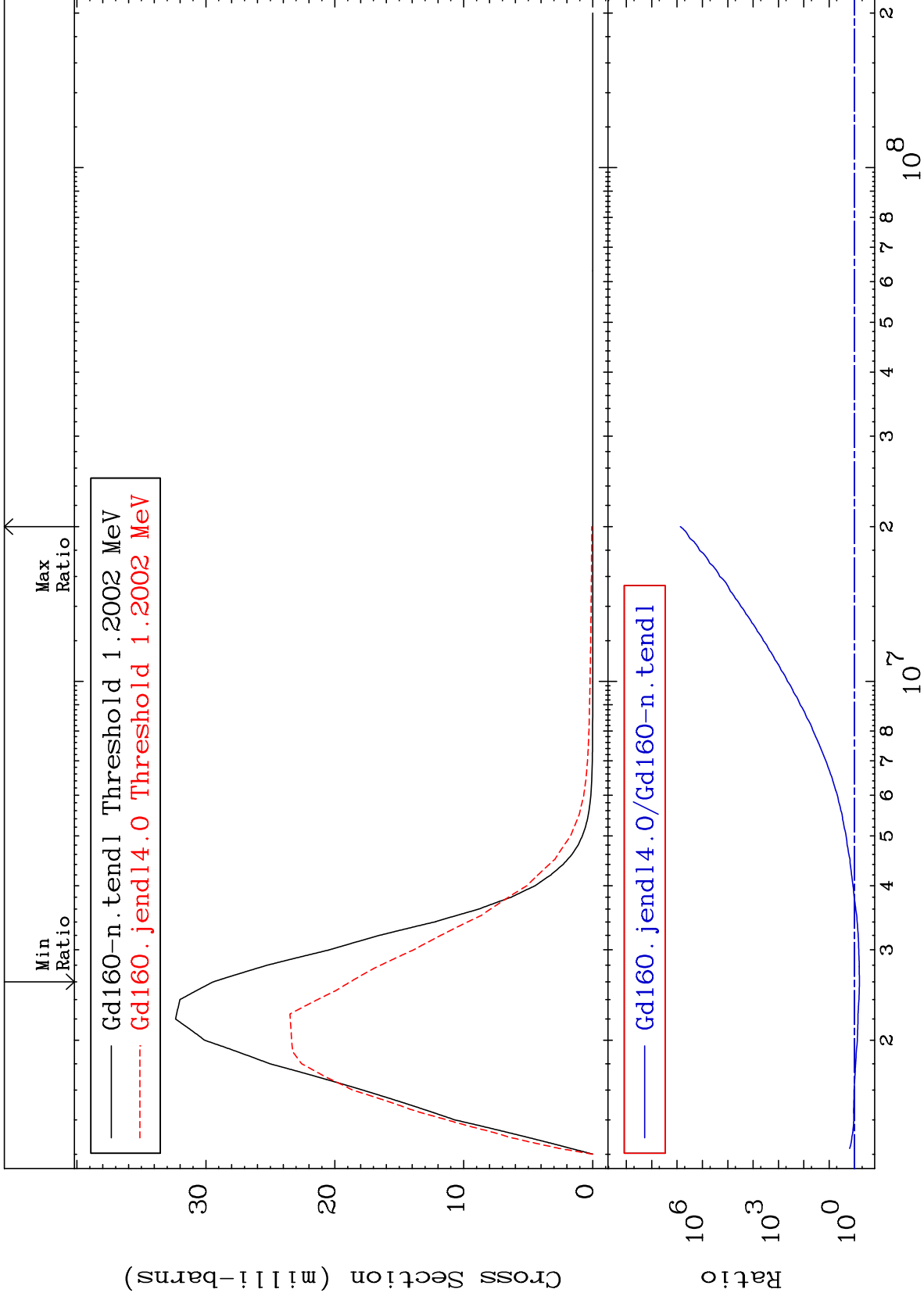
64-Gd-160
-88.83 To 28.04 %



MAT 6449

1.193 MeV (n,n') Level
Cross Section

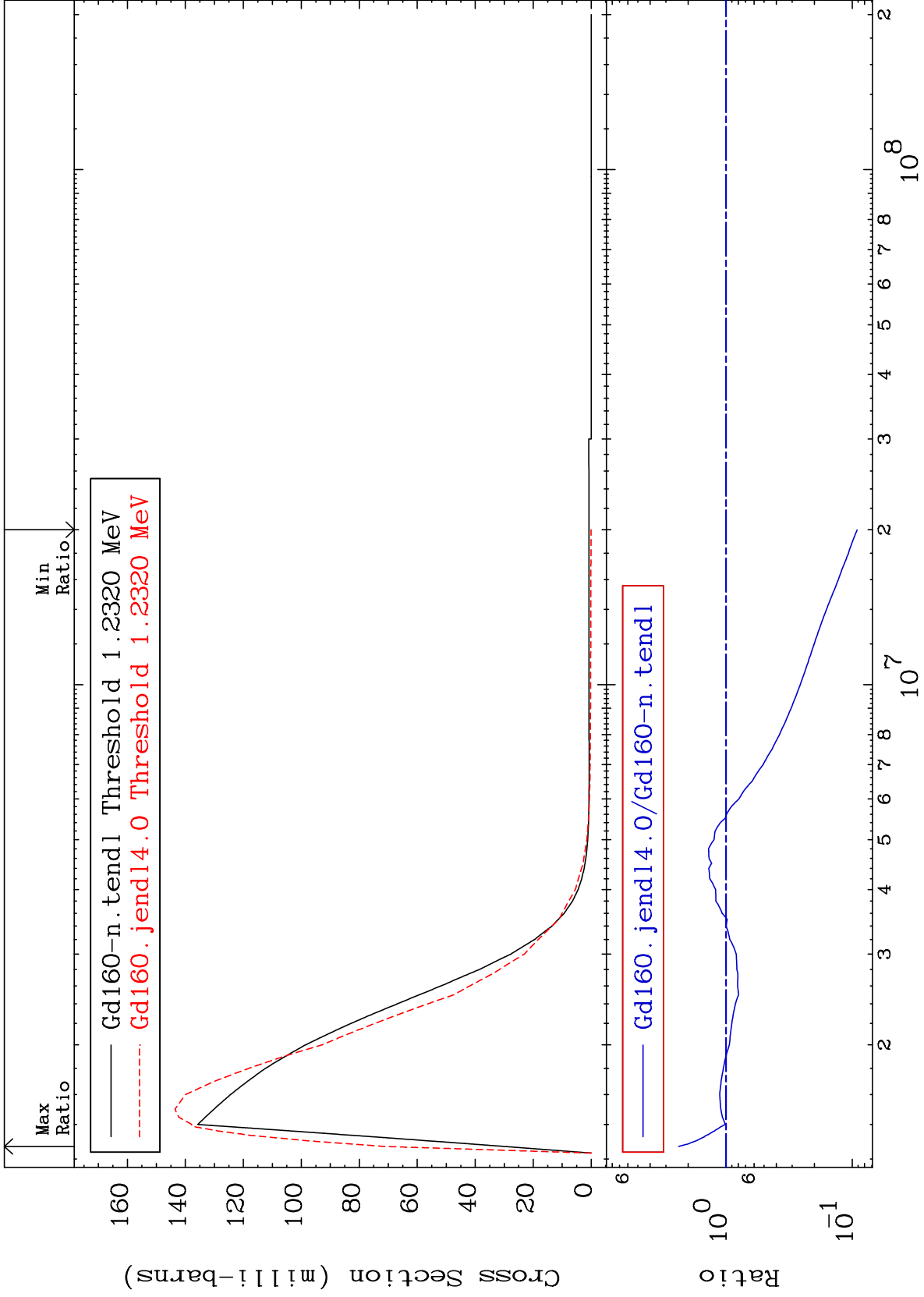
64-Gd-160
-36.14 To 9999. %



MAT 6449

1.224 MeV (n,n') Level
Cross Section

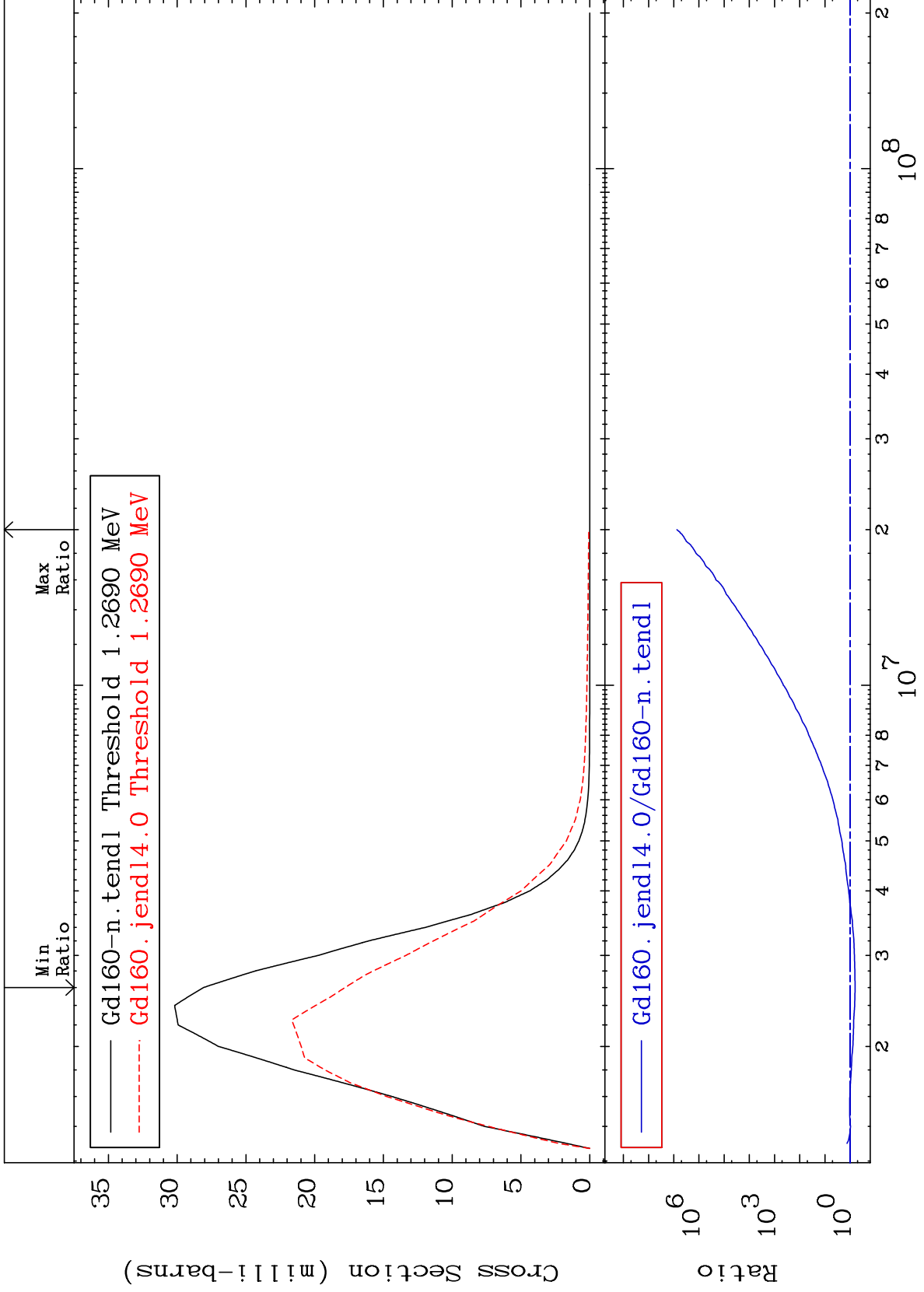
64-Gd-160
-90.86 To 137.8 %



MAT 6449

1.261 MeV (n,n') Level
Cross Section

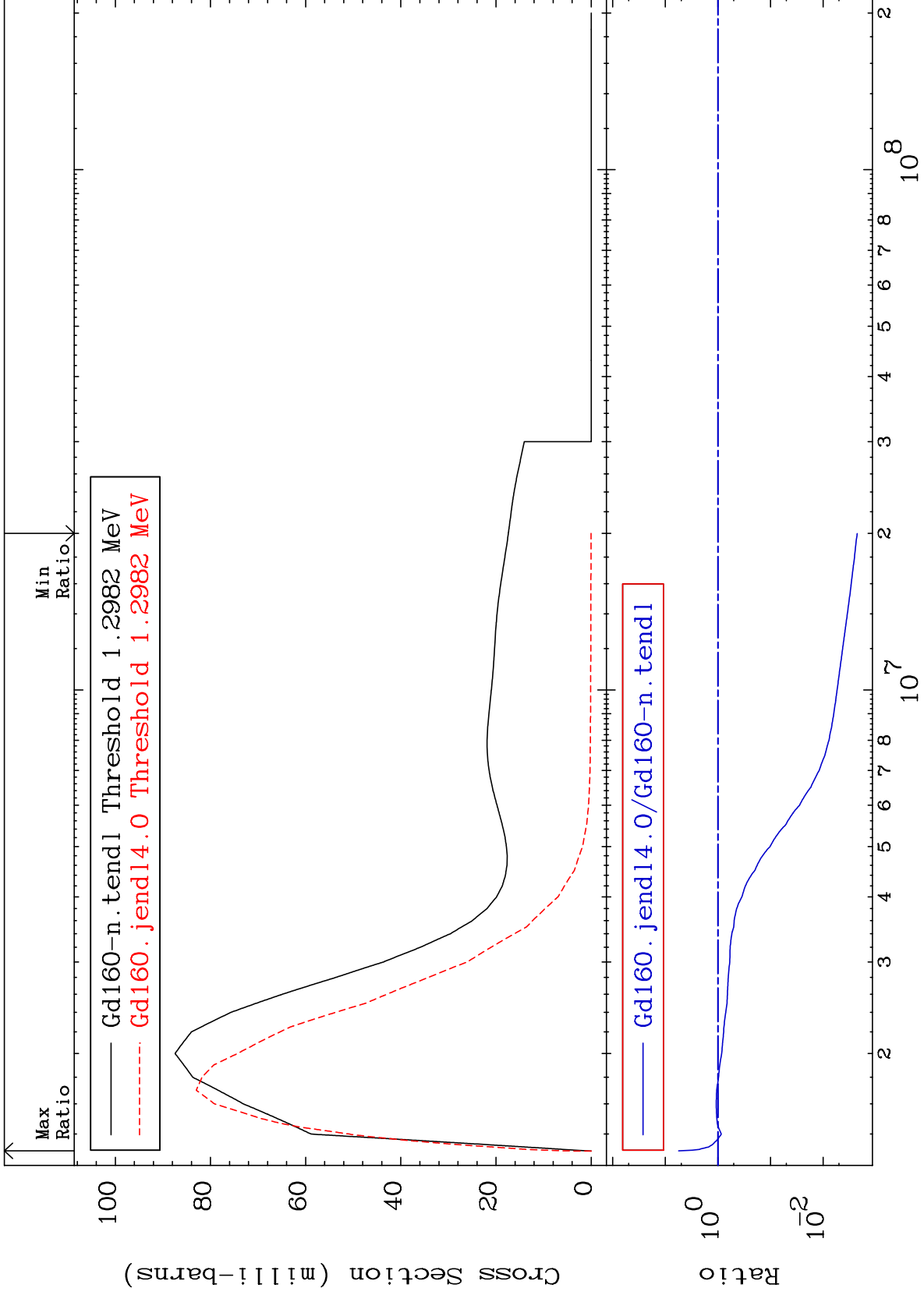
64-Gd-160
-36.66 To 9999. %



MAT 6449

1.290 MeV (n,n') Level
Cross Section

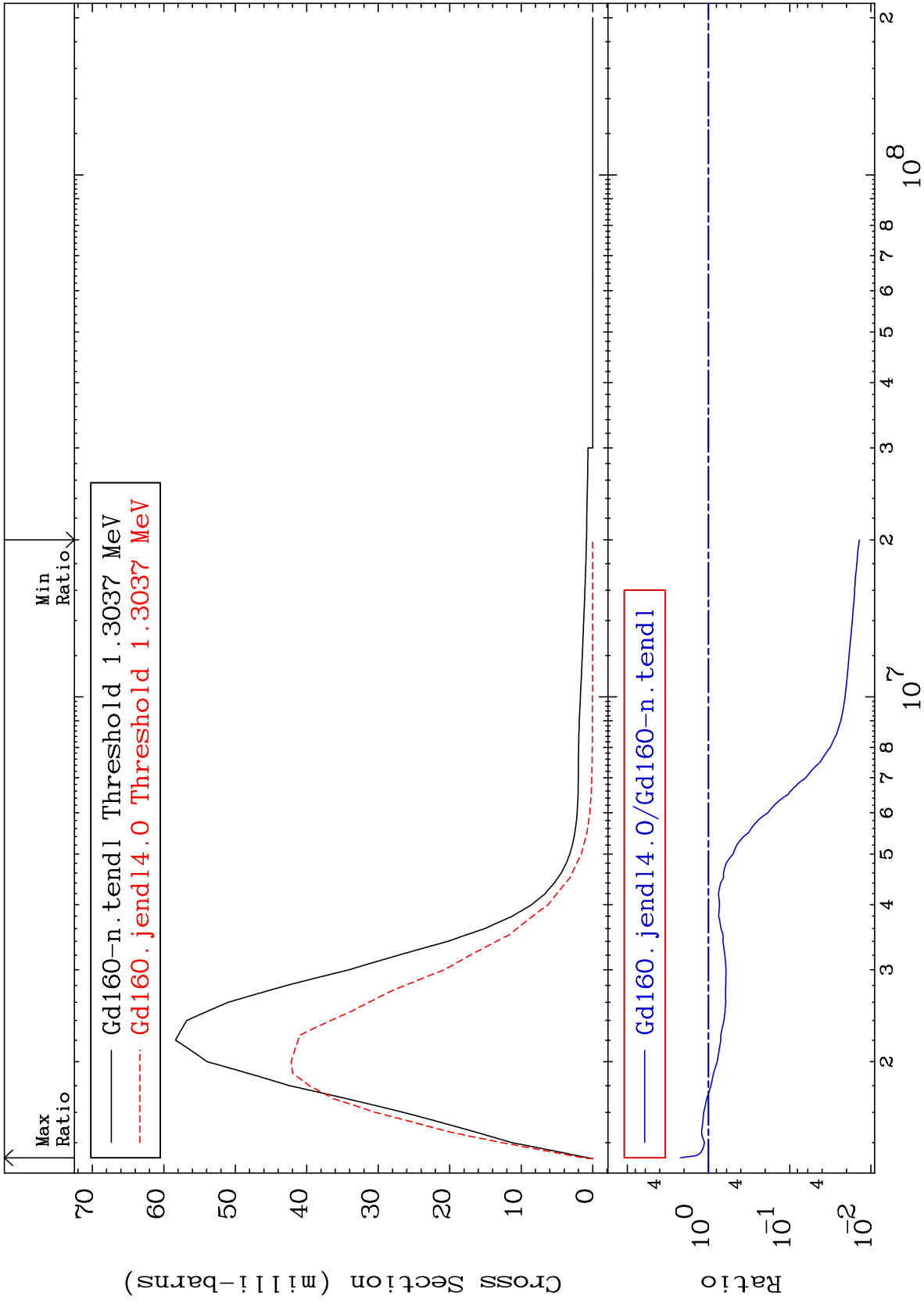
64-Gd-160
-99.78 To 459.2 %



MAT 6449

1.296 MeV (n,n') Level
Cross Section

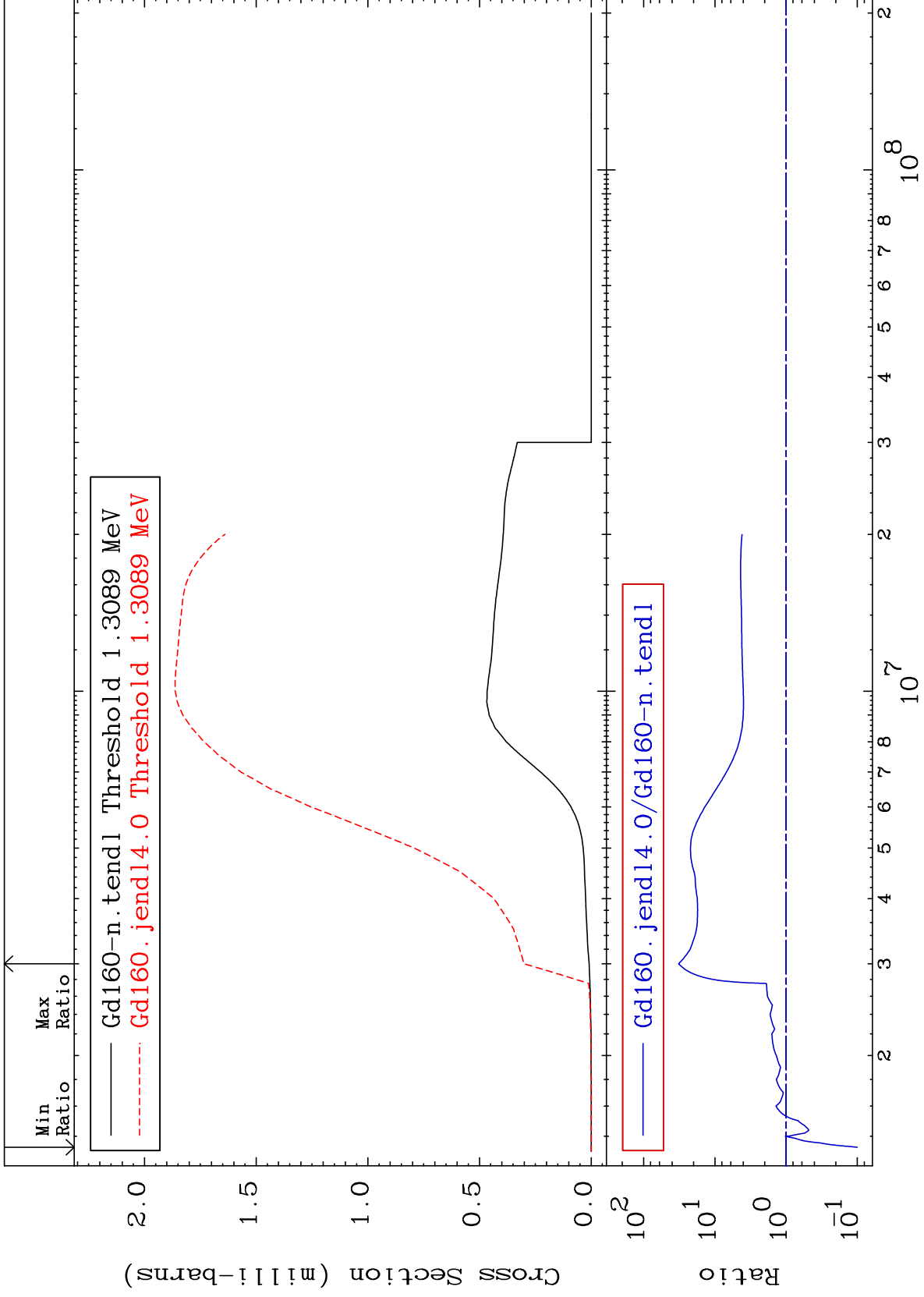
64-Gd-160
-98.62 To 122.3 %



MAT 6449

1.301 MeV (n,n') Level
Cross Section

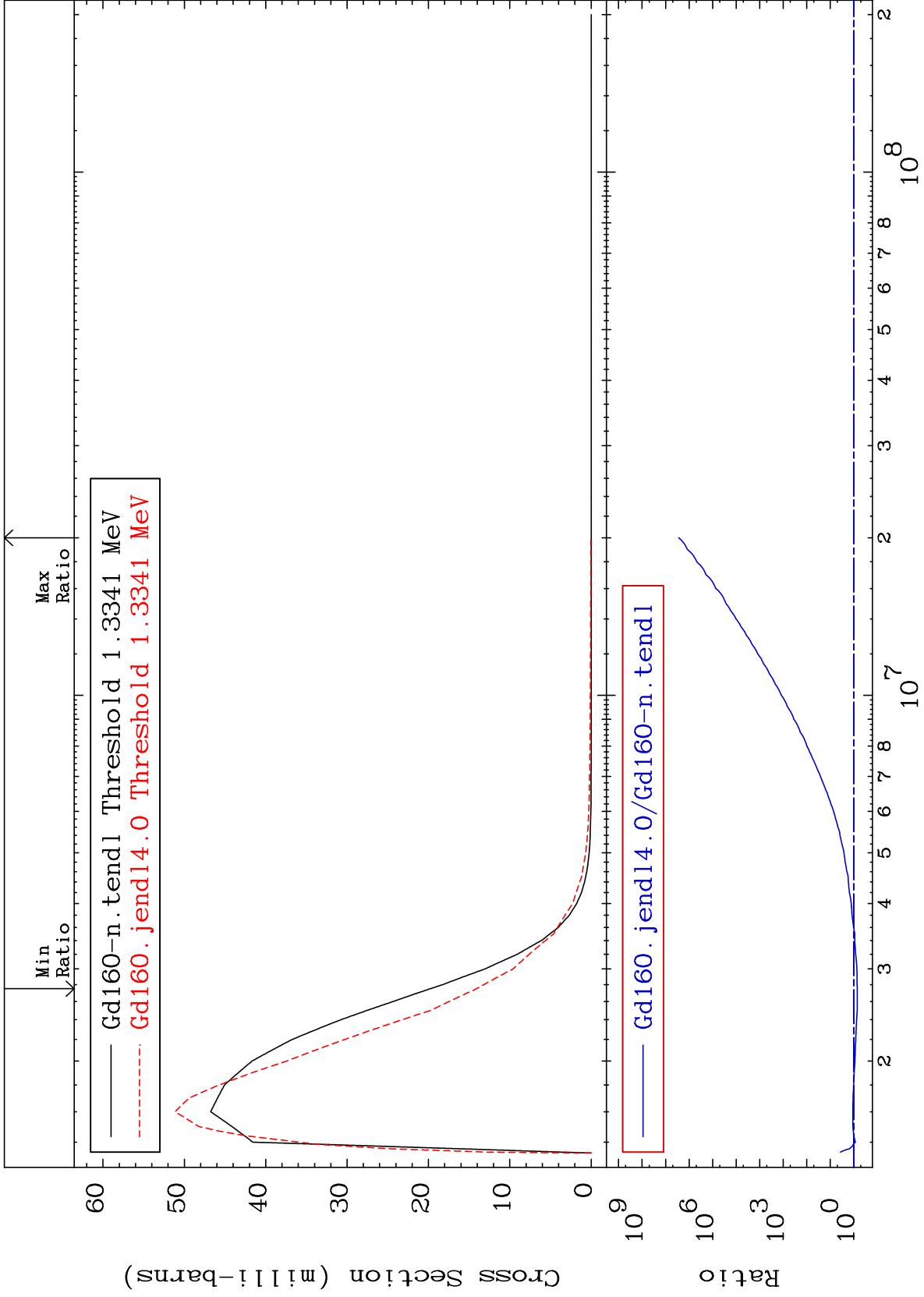
64-Gd-160
-89.97 To 3132. %



MAT 6449

1.326 MeV (n,n') Level
Cross Section

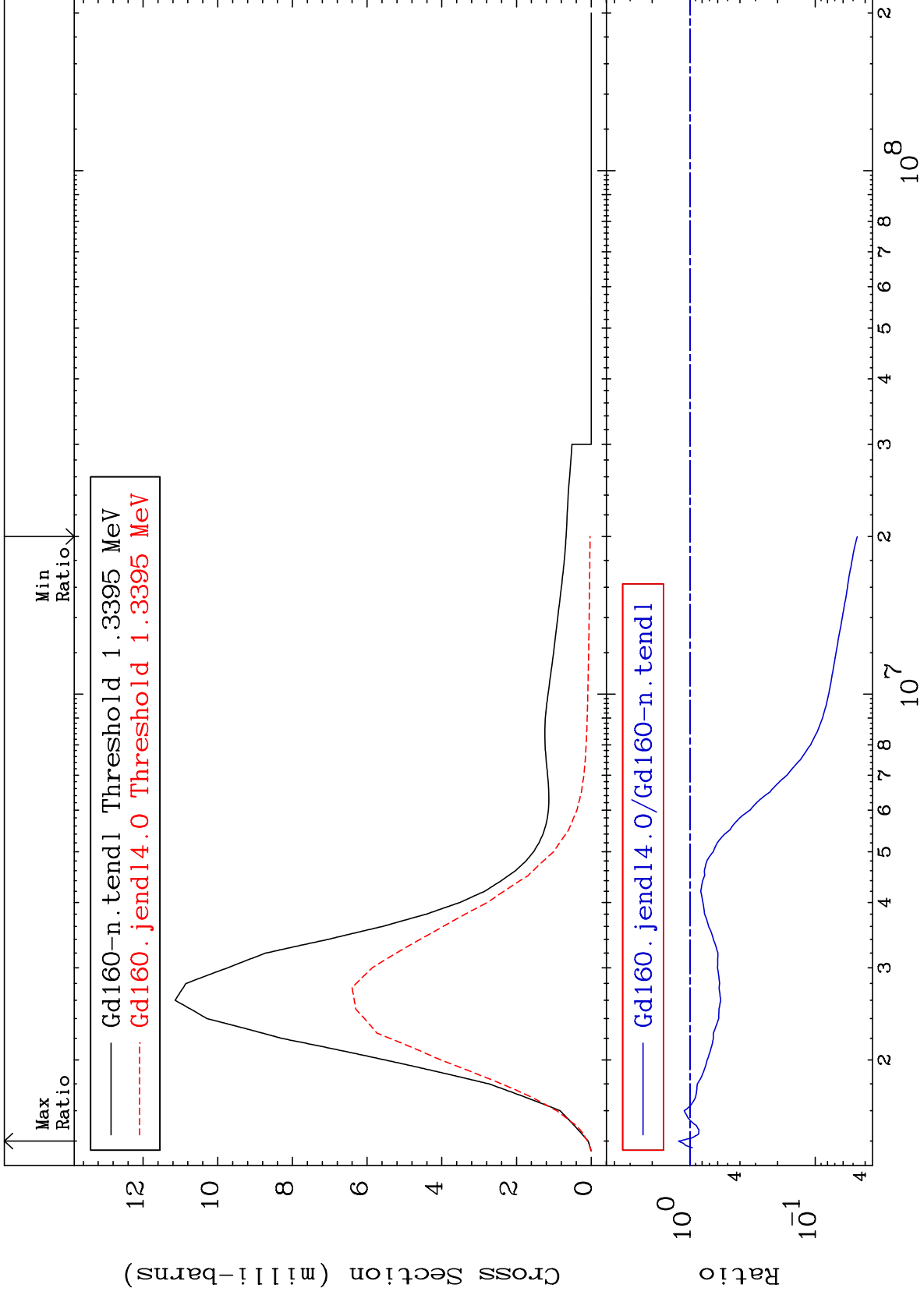
64-Gd-160
-28.78 To 9999. %



MAT 6449

1.331 MeV (n,n') Level
Cross Section

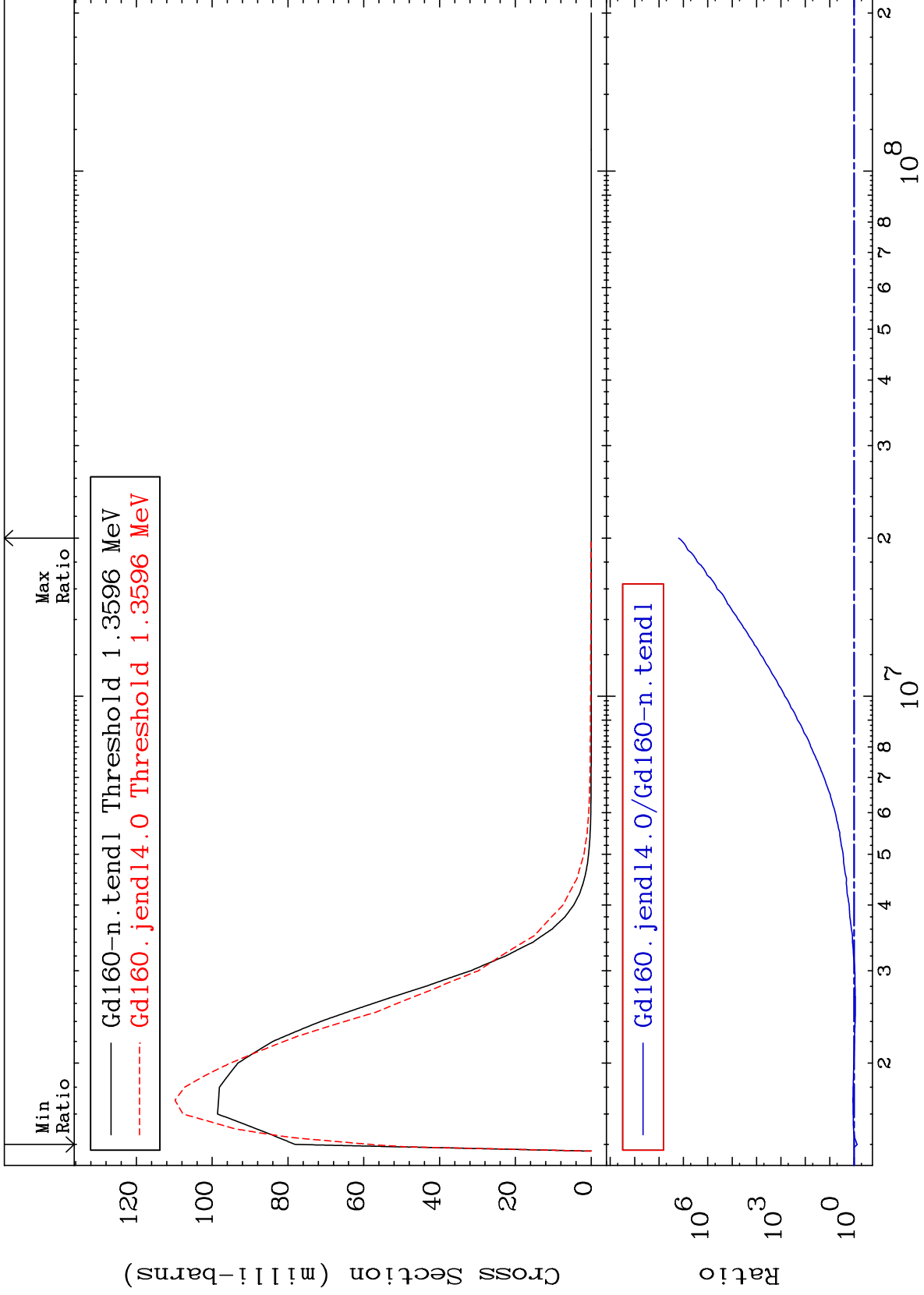
64-Gd-160
-95.37 To 23.18 %



MAT 6449

1.351 MeV (n,n') Level
Cross Section

64-Gd-160
-25.61 To 9999. %



30

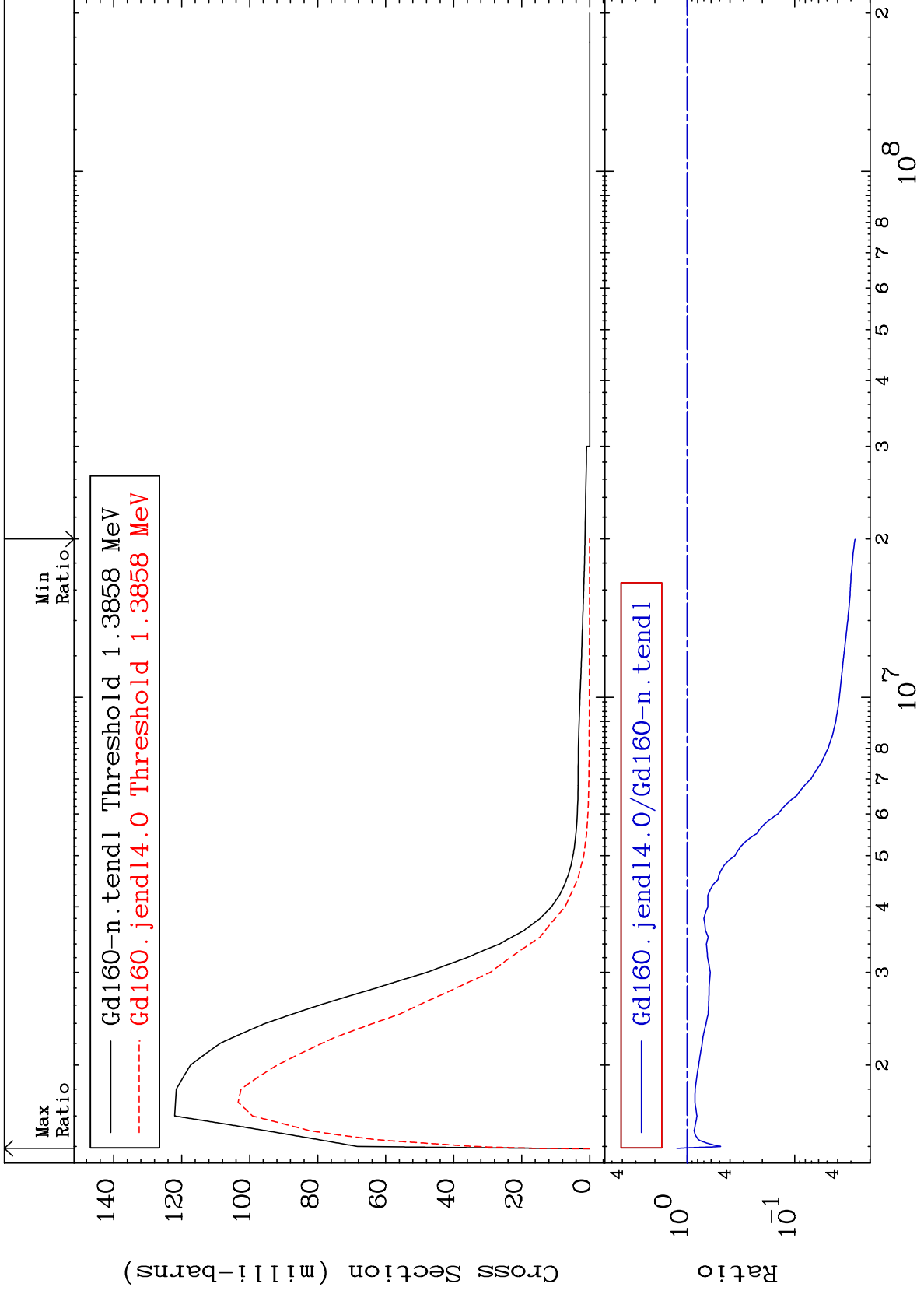
Incident Energy (eV)

64-Gd-160

MAT 6449

1.377 MeV (n,n') Level
Cross Section

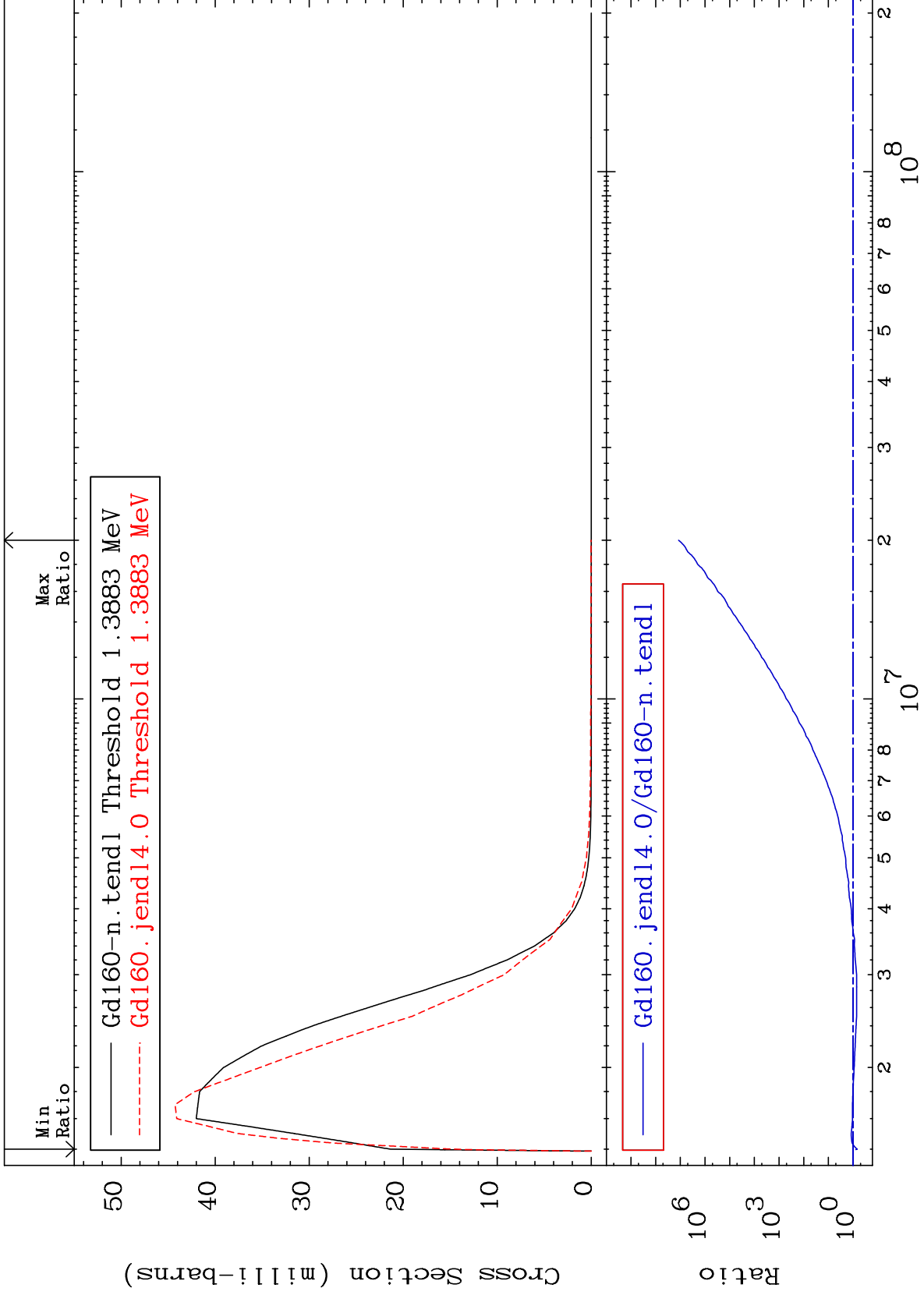
64-Gd-160
-97.25 To 24.56 %



MAT 6449

1.380 MeV (n,n') Level
Cross Section

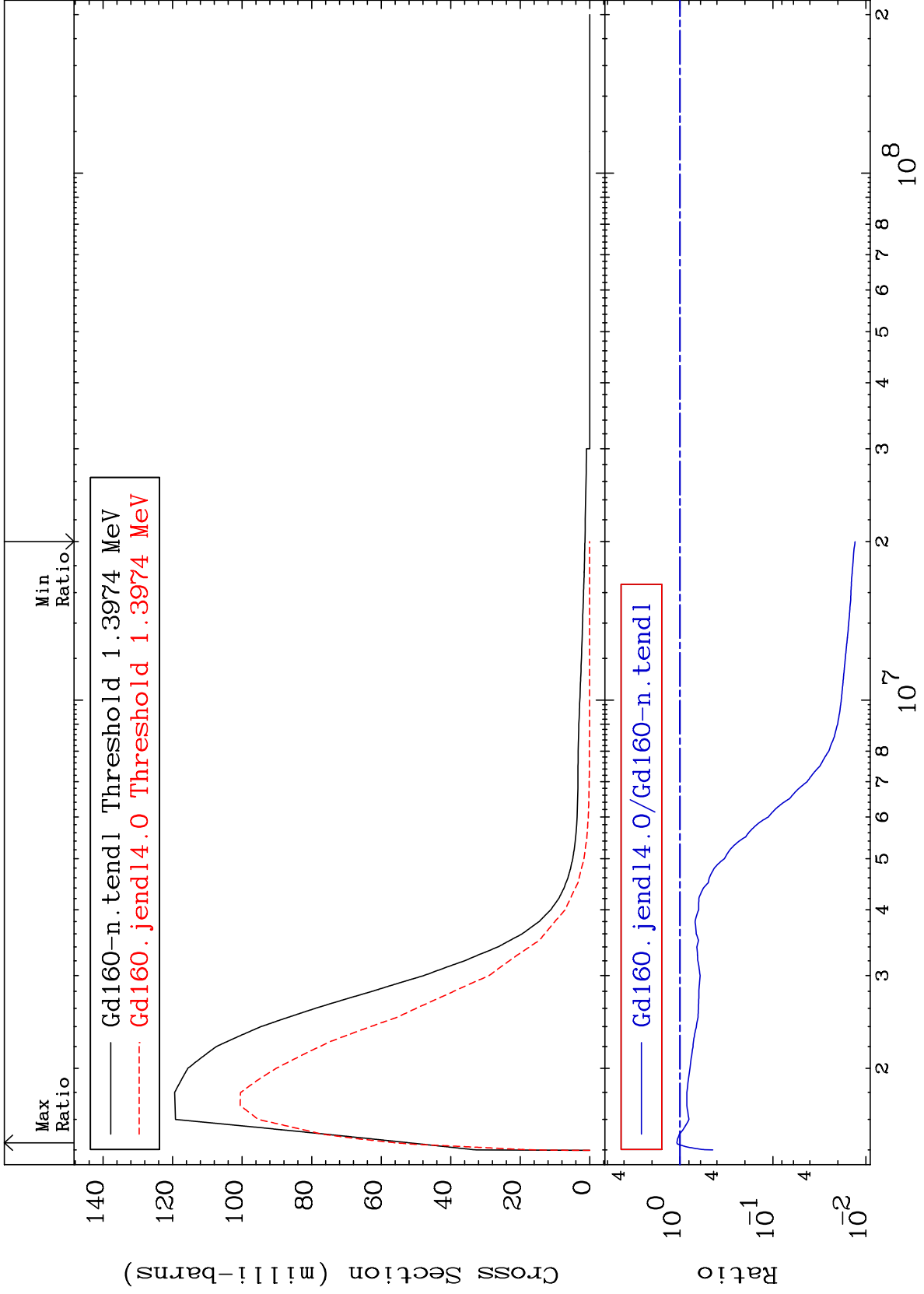
64-Gd-160
-32.36 To 9999. %



MAT 6449

1.389 MeV (n,n') Level
Cross Section

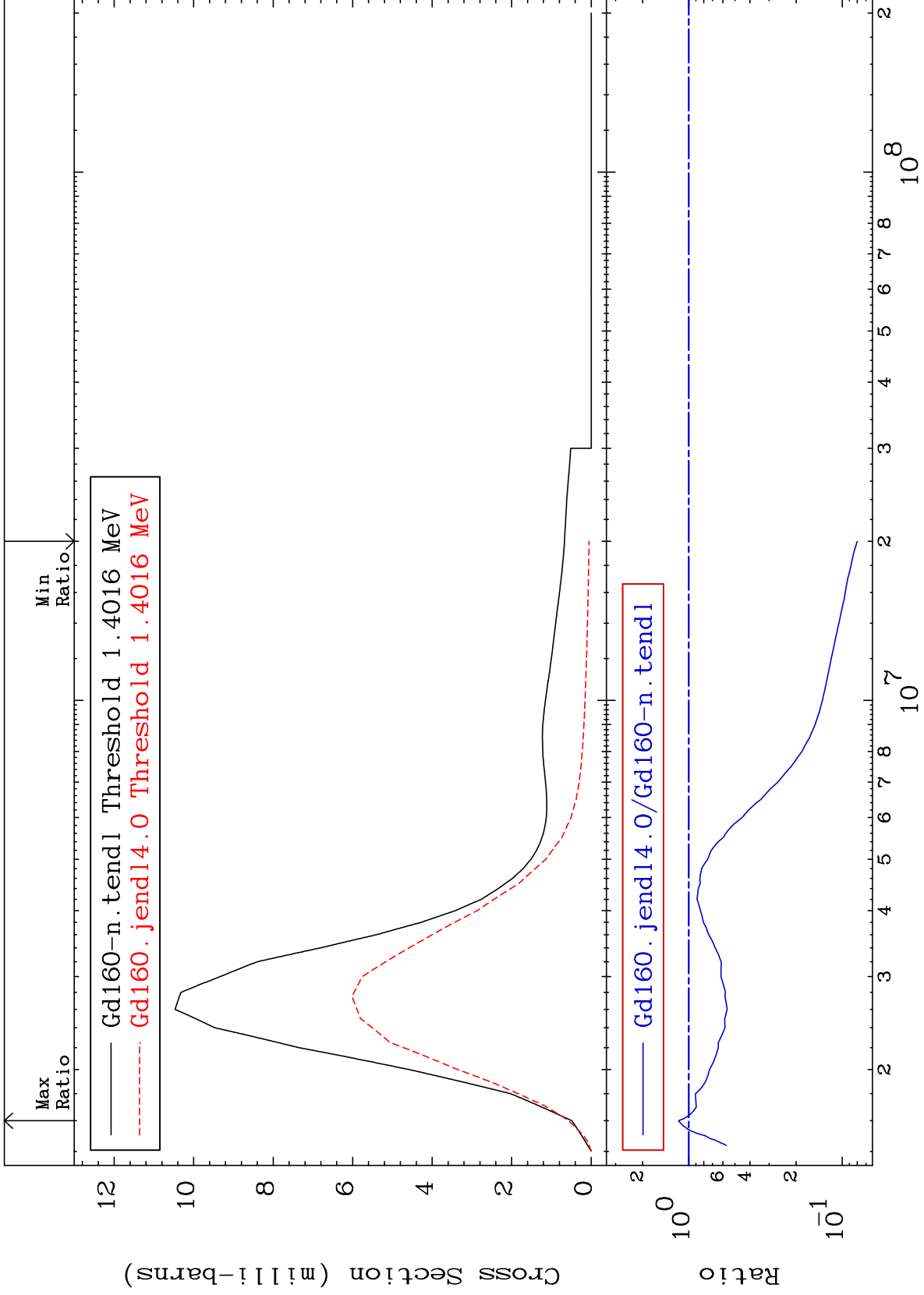
64-Gd-160
-98.70 To 7.662 %



MAT 6449

1.393 MeV (n,n') Level
Cross Section

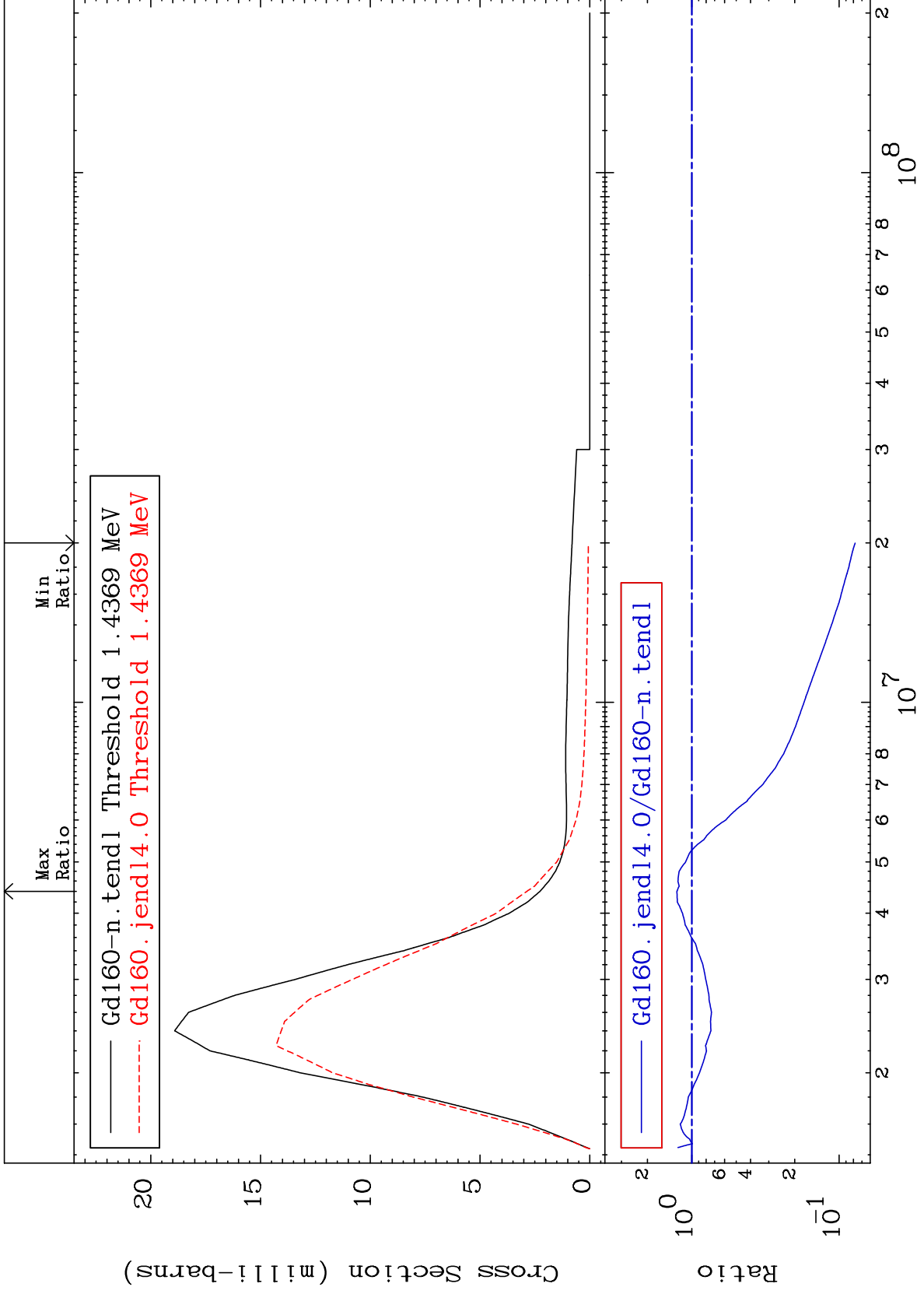
64-Gd-160
-92.01 To 16.46 %



MAT 6449

1.428 MeV (n,n') Level
Cross Section

64-Gd-160
-92.21 To 26.30 %



35

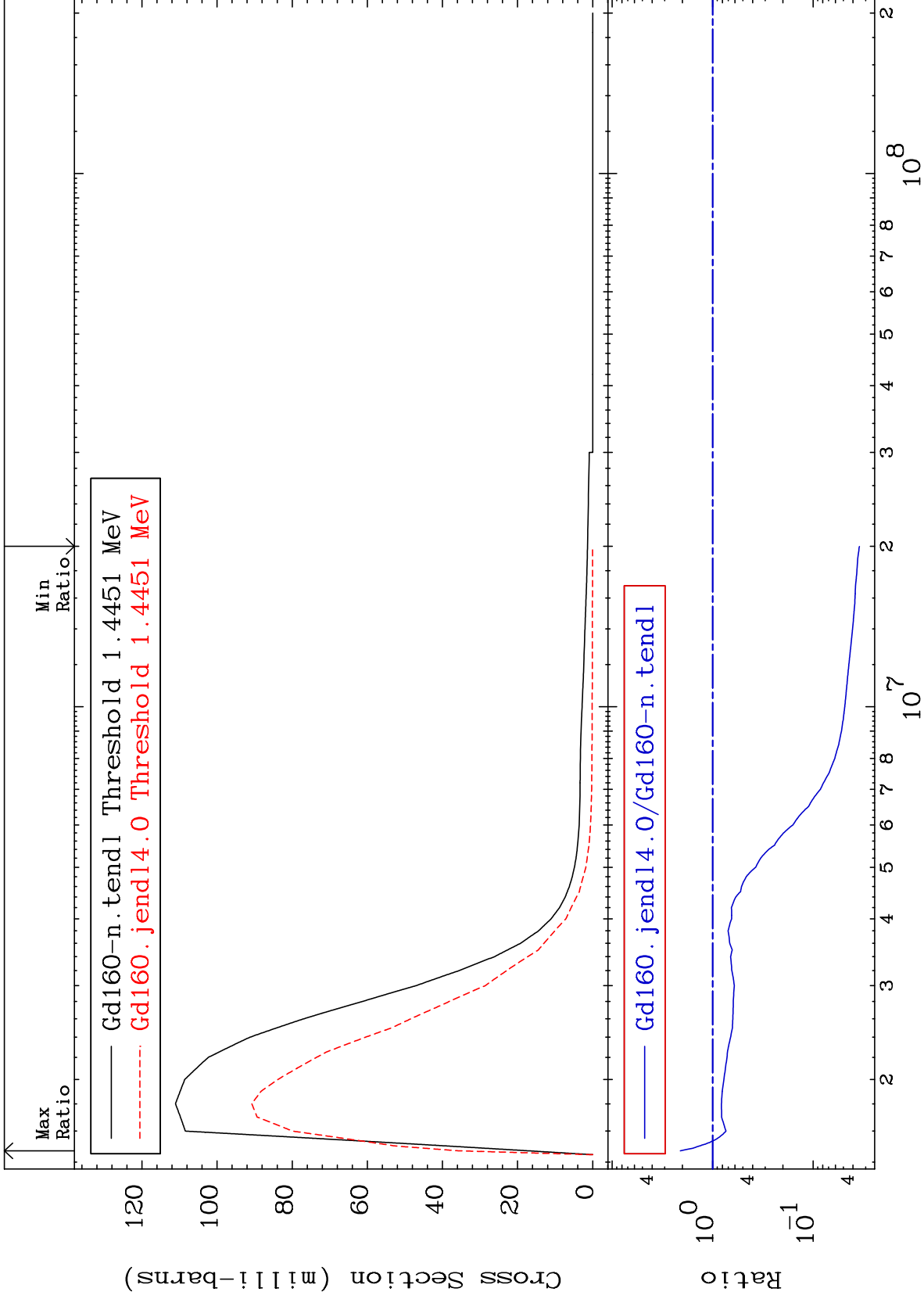
Incident Energy (eV)

64-Gd-160

MAT 6449

1.436 MeV (n,n') Level
Cross Section

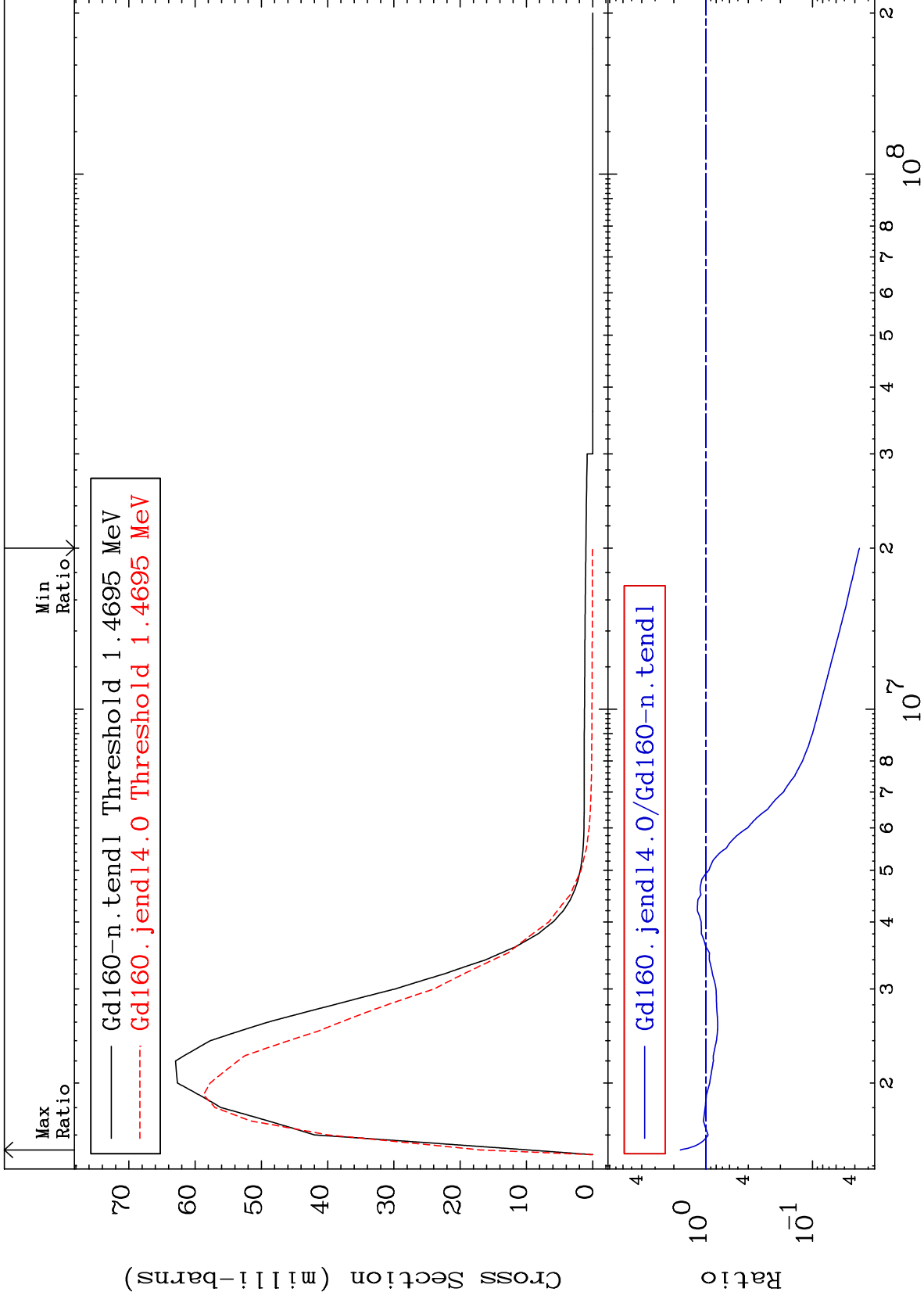
64-Gd-160
-96.54 To 109.4 %



MAT 6449

1.460 MeV (n,n') Level
Cross Section

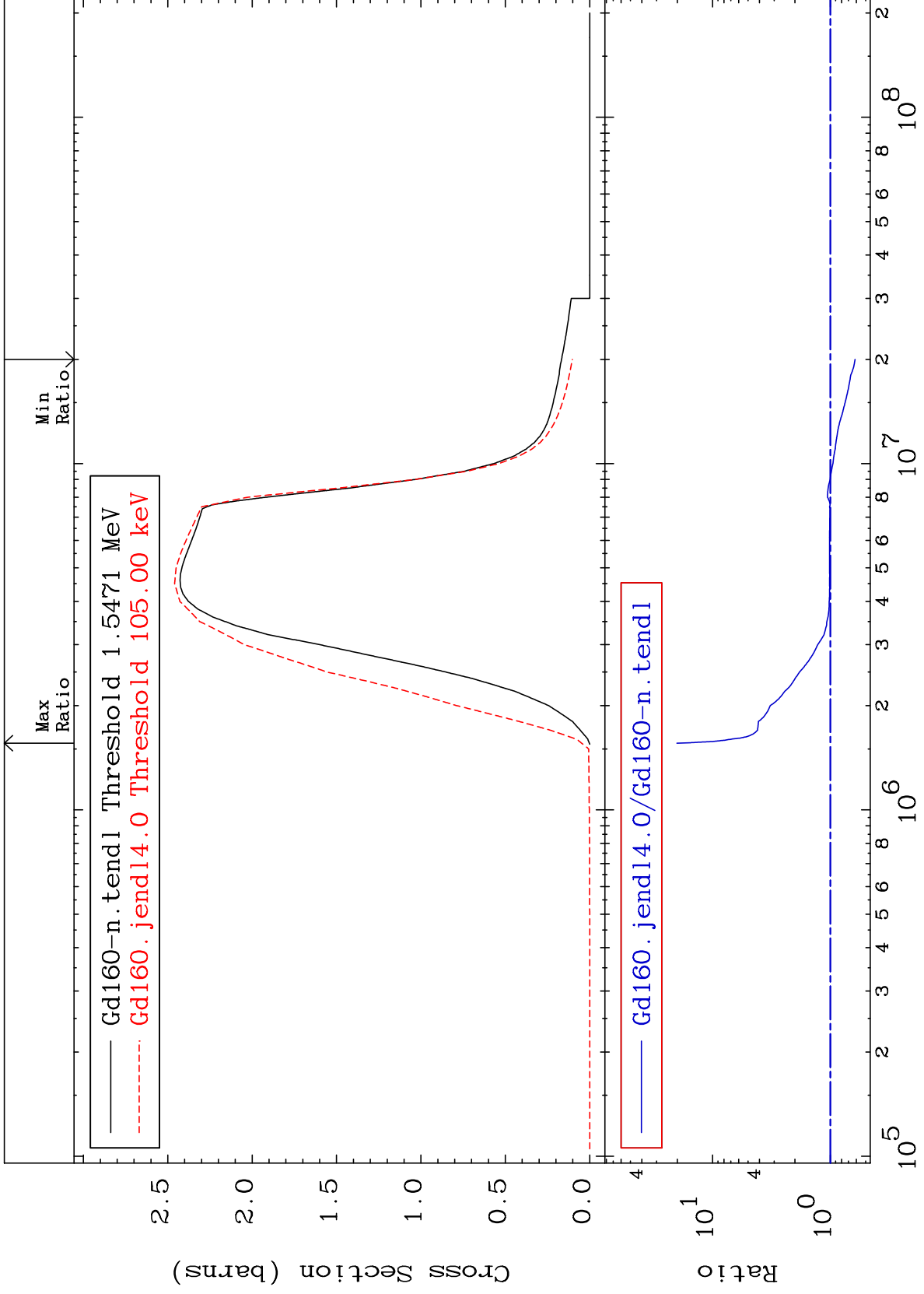
64-Gd-160
-96.38 To 73.61 %



MAT 6449

(n, n') Continuum
Cross Section

64-Gd-160
-38.45 To 1913. %



38

Incident Energy (eV)

64-Gd-160

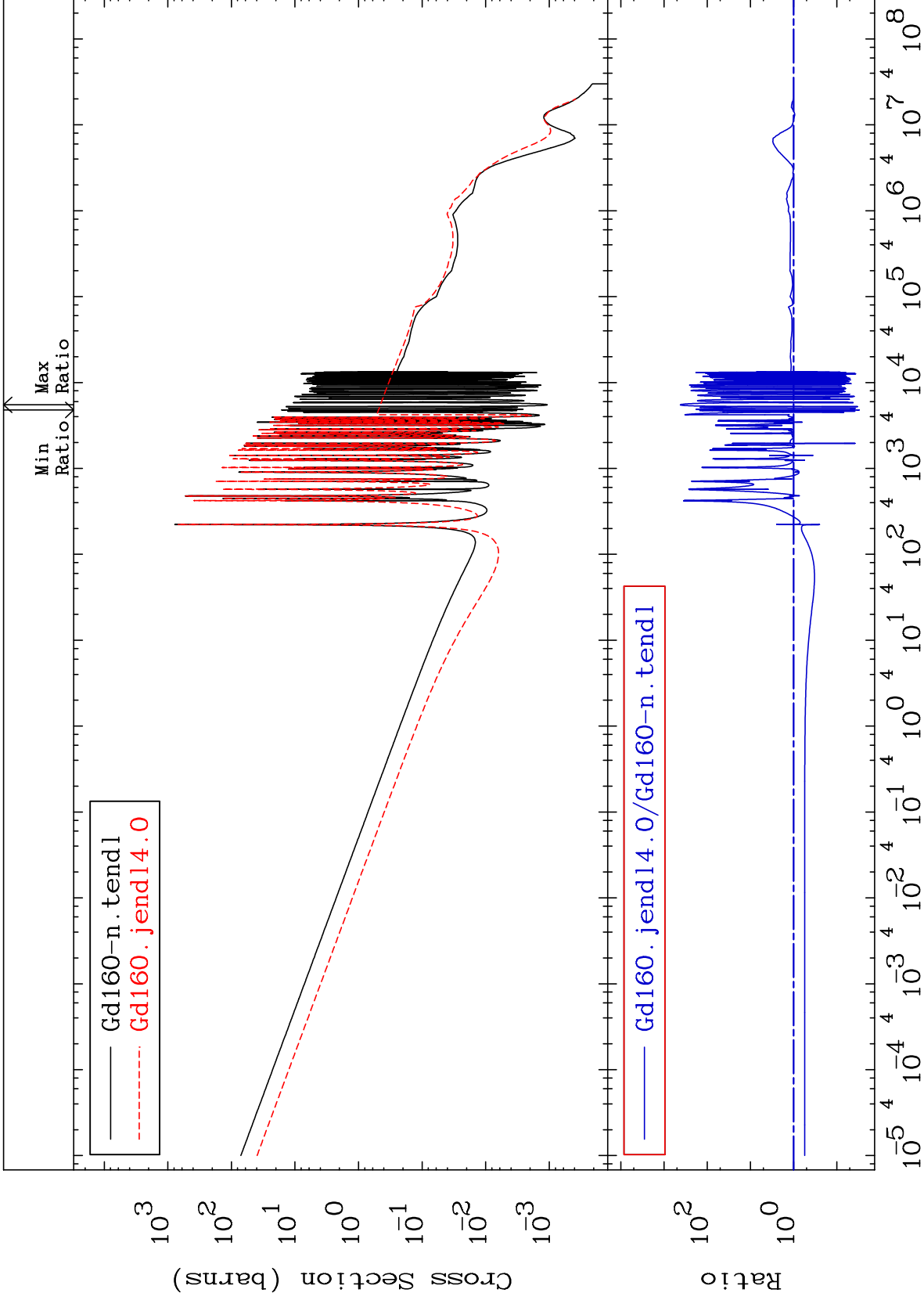
MAT 6449

(n, γ)

64-Gd-160

Cross Section

-96.99 To 9999. %



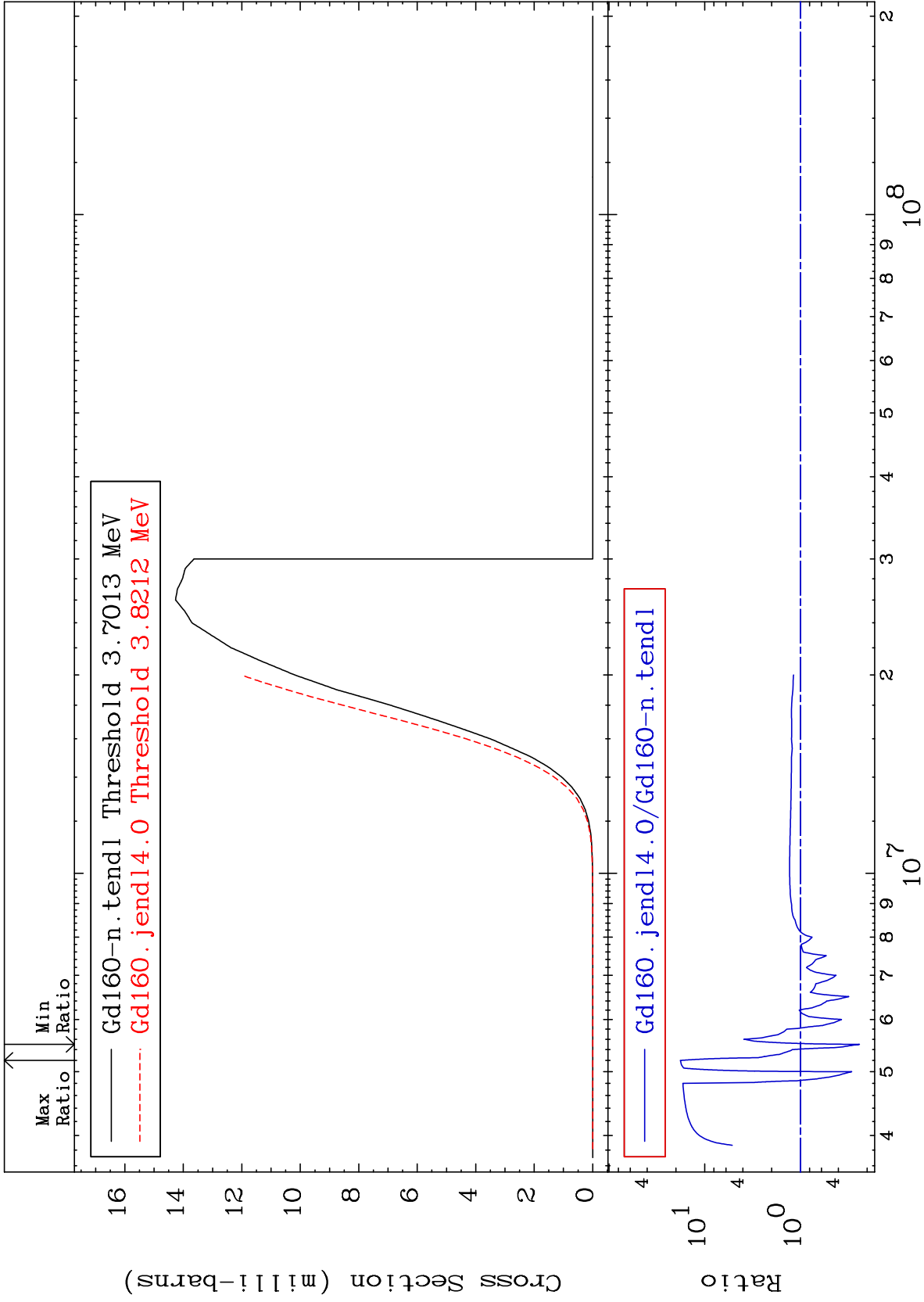
MAT 6449

(n,p)

64-Gd-160

Cross Section

-75.90 To 1697. %



40

64-Gd-160

64-Gd-160

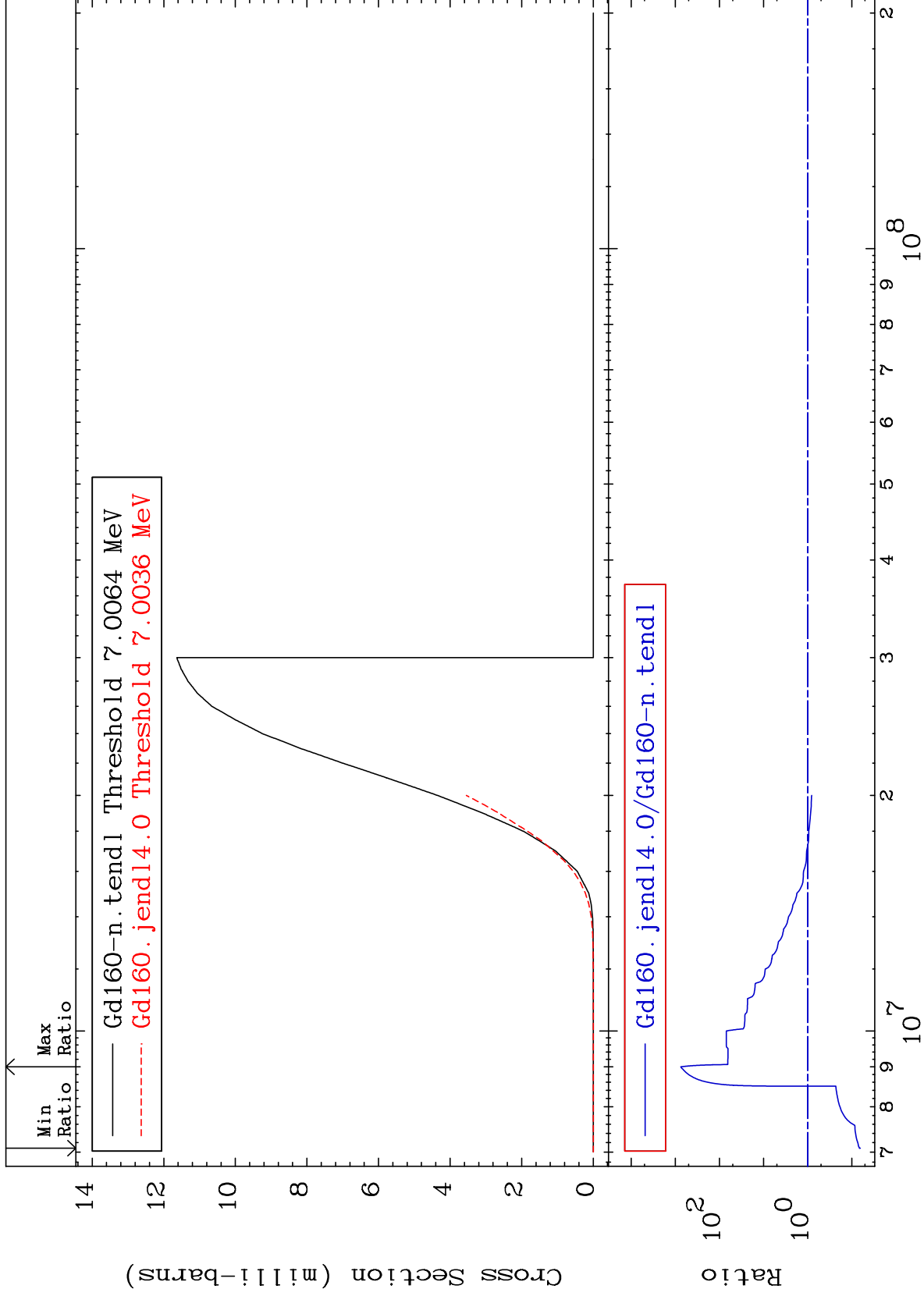
MAT 6449

(n, d)

64-Gd-160

Cross Section

-93.33 To 9999. %



41

Incident Energy (eV)

64-Gd-160

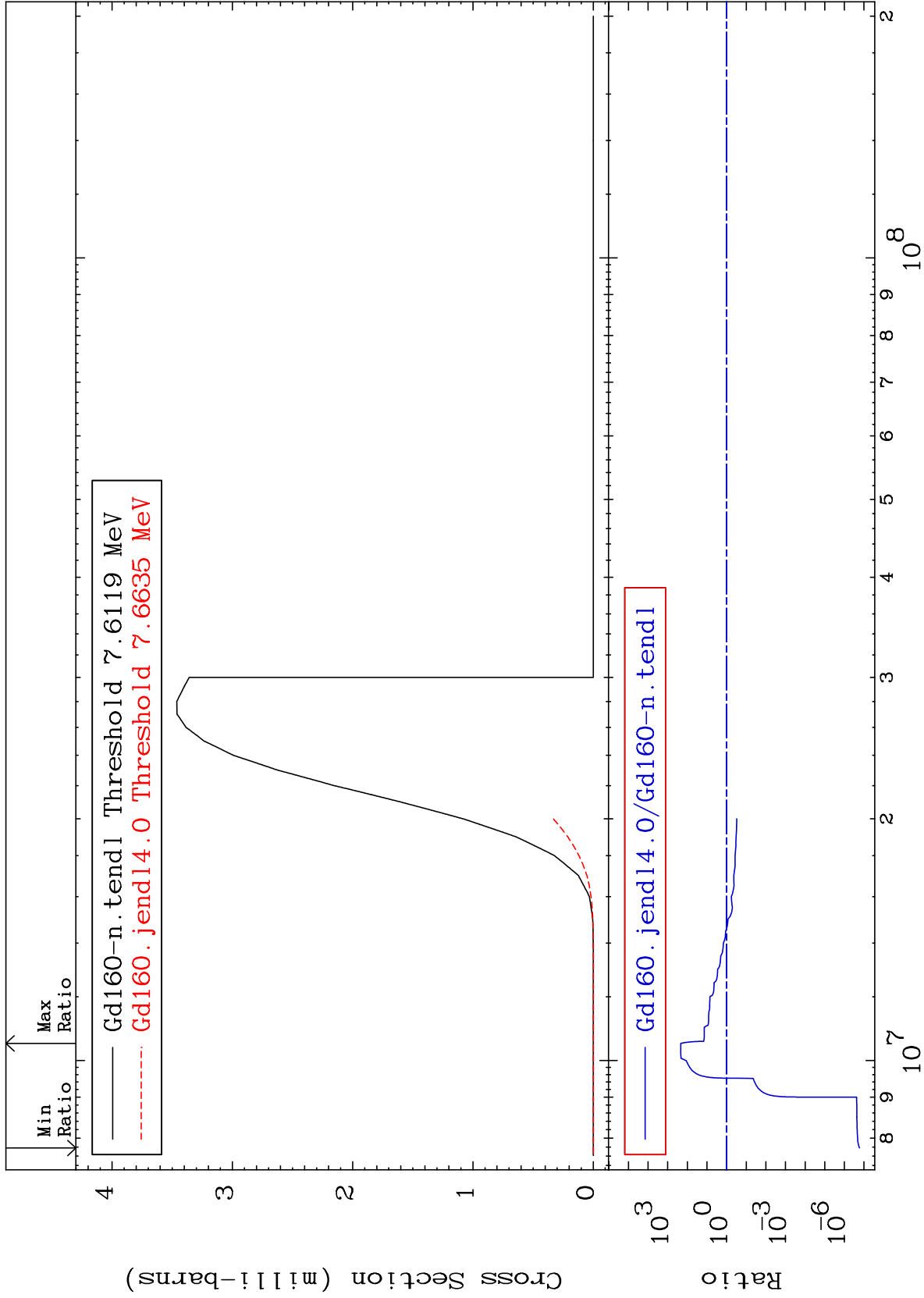
MAT 6449

(n, t)

64-Gd-160

Cross Section

-100.0 To 9999. %



42

64-Gd-160

64-Gd-160

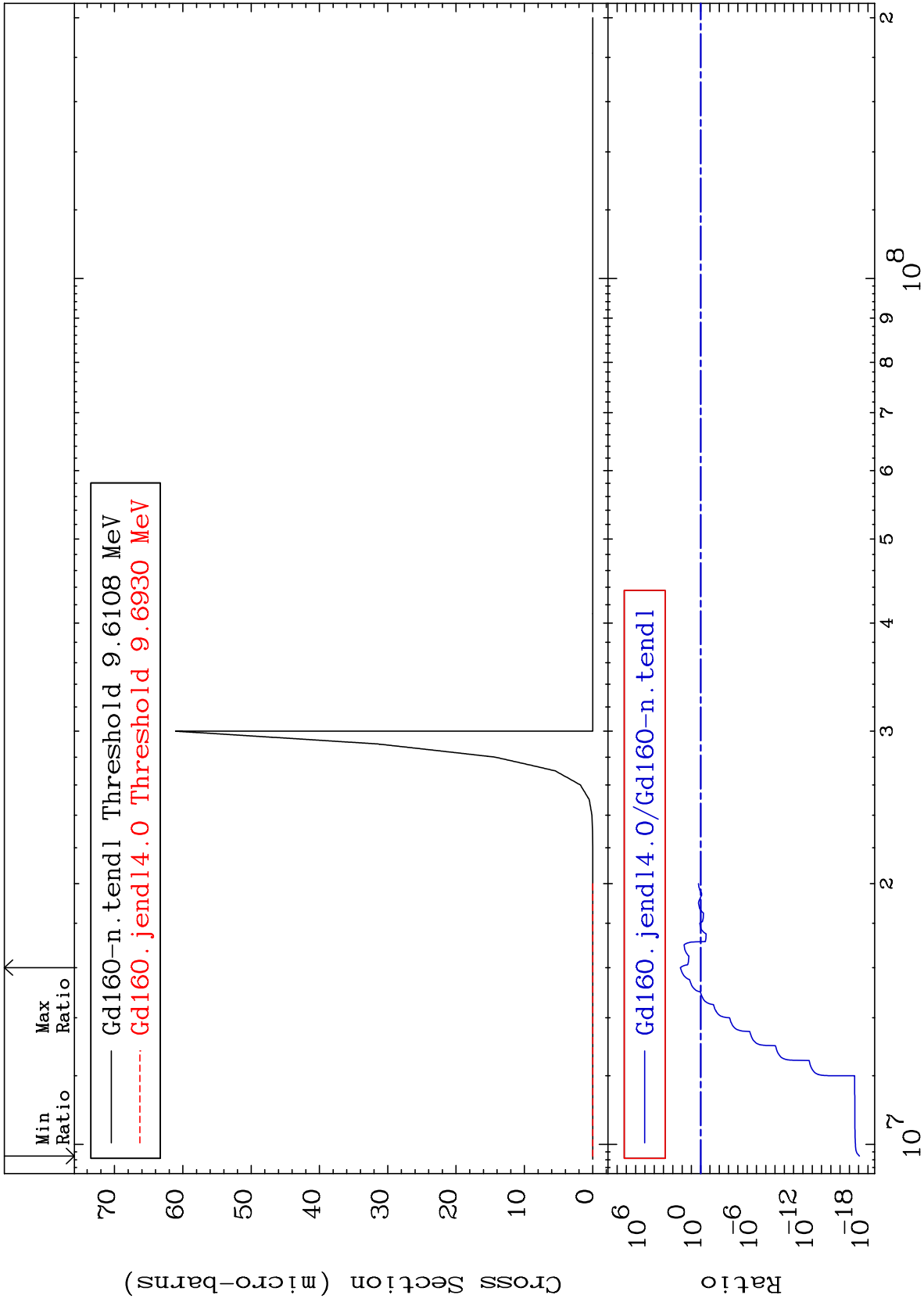
MAT 6449

(n, He-3)

64-Gd-160

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

64-Gd-160

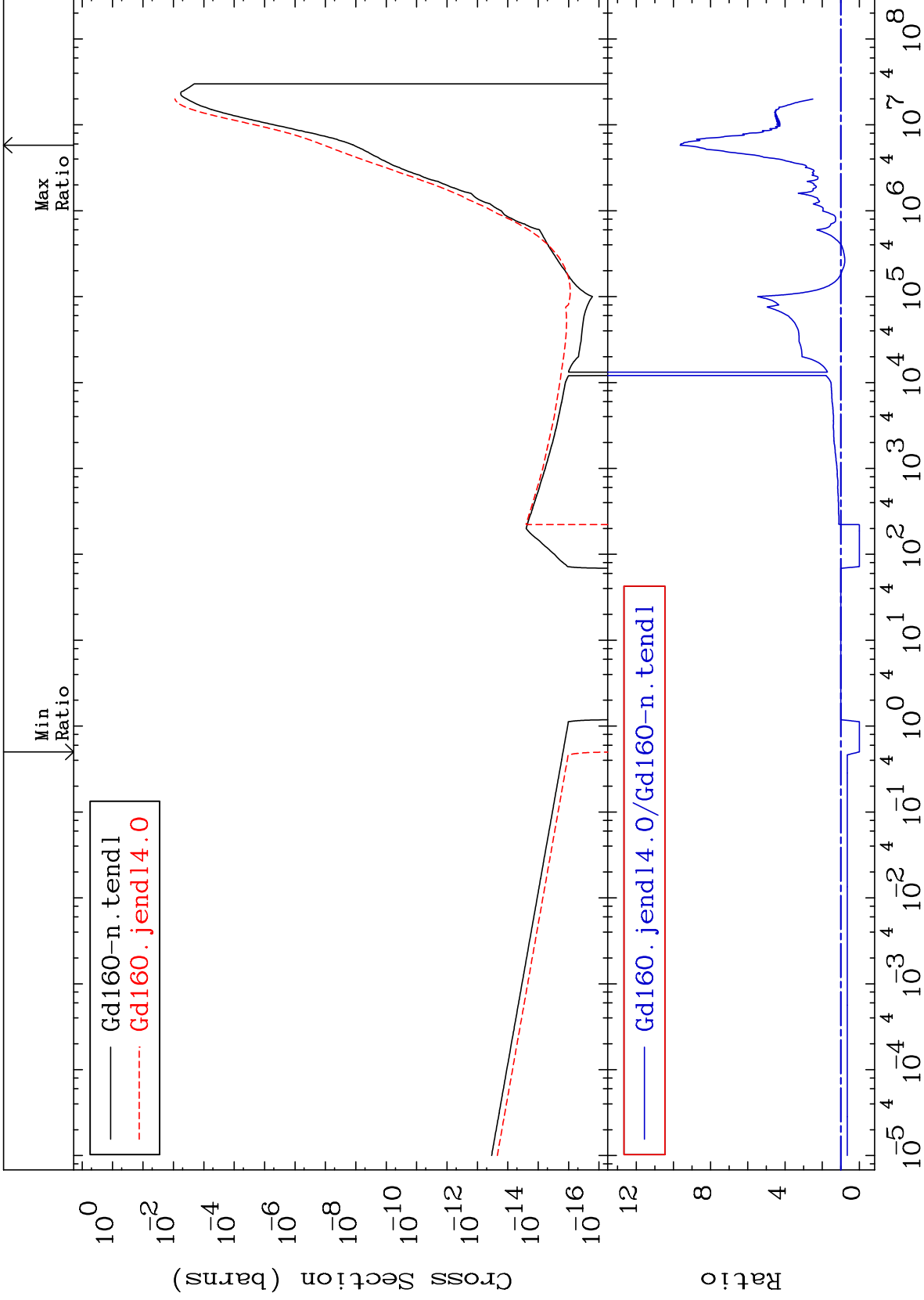
MAT 6449

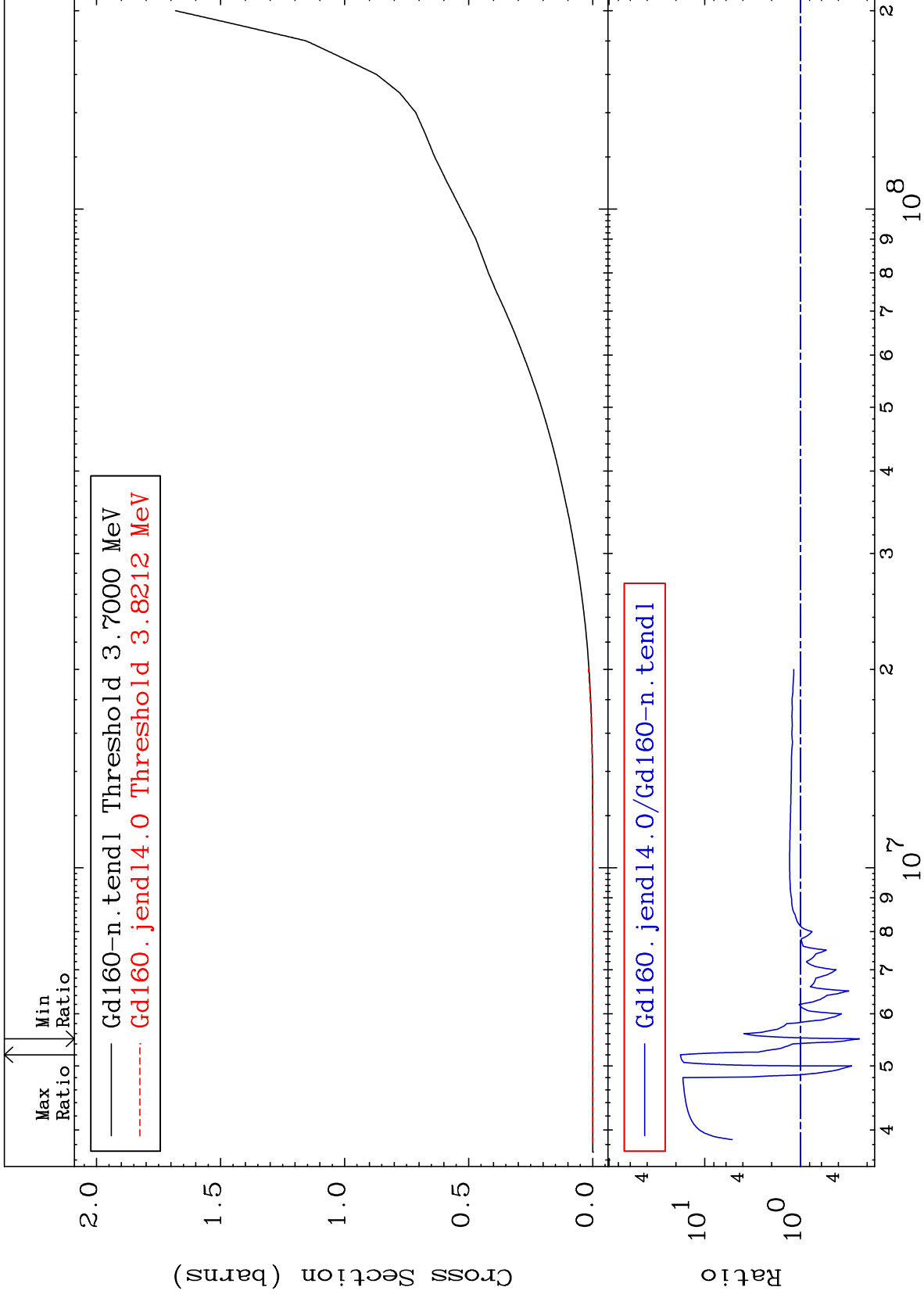
(n, α)

64-Gd-160

Cross Section

-100.0 To 863.6 %

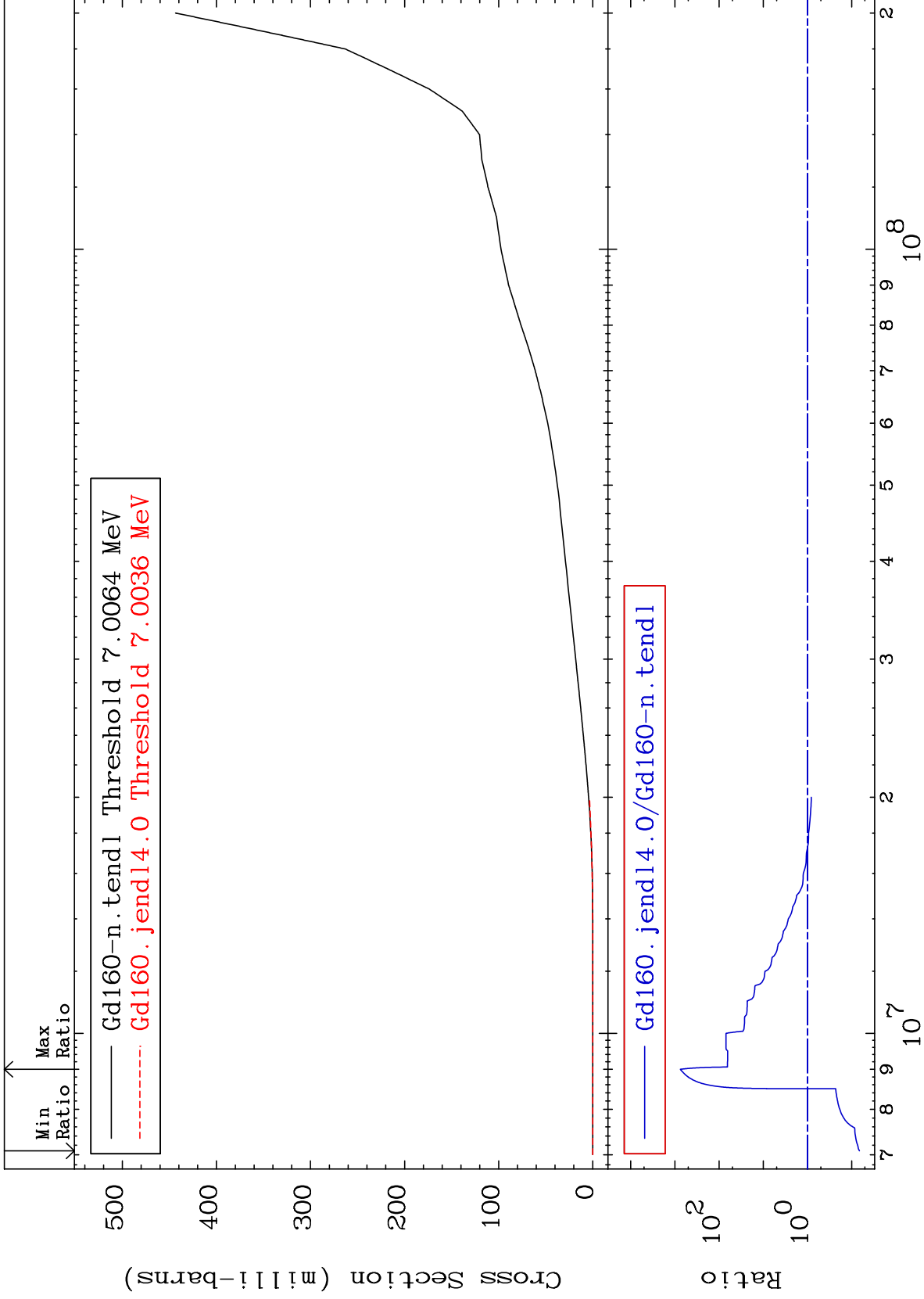




MAT 6449

Deuterium Production
Cross Section

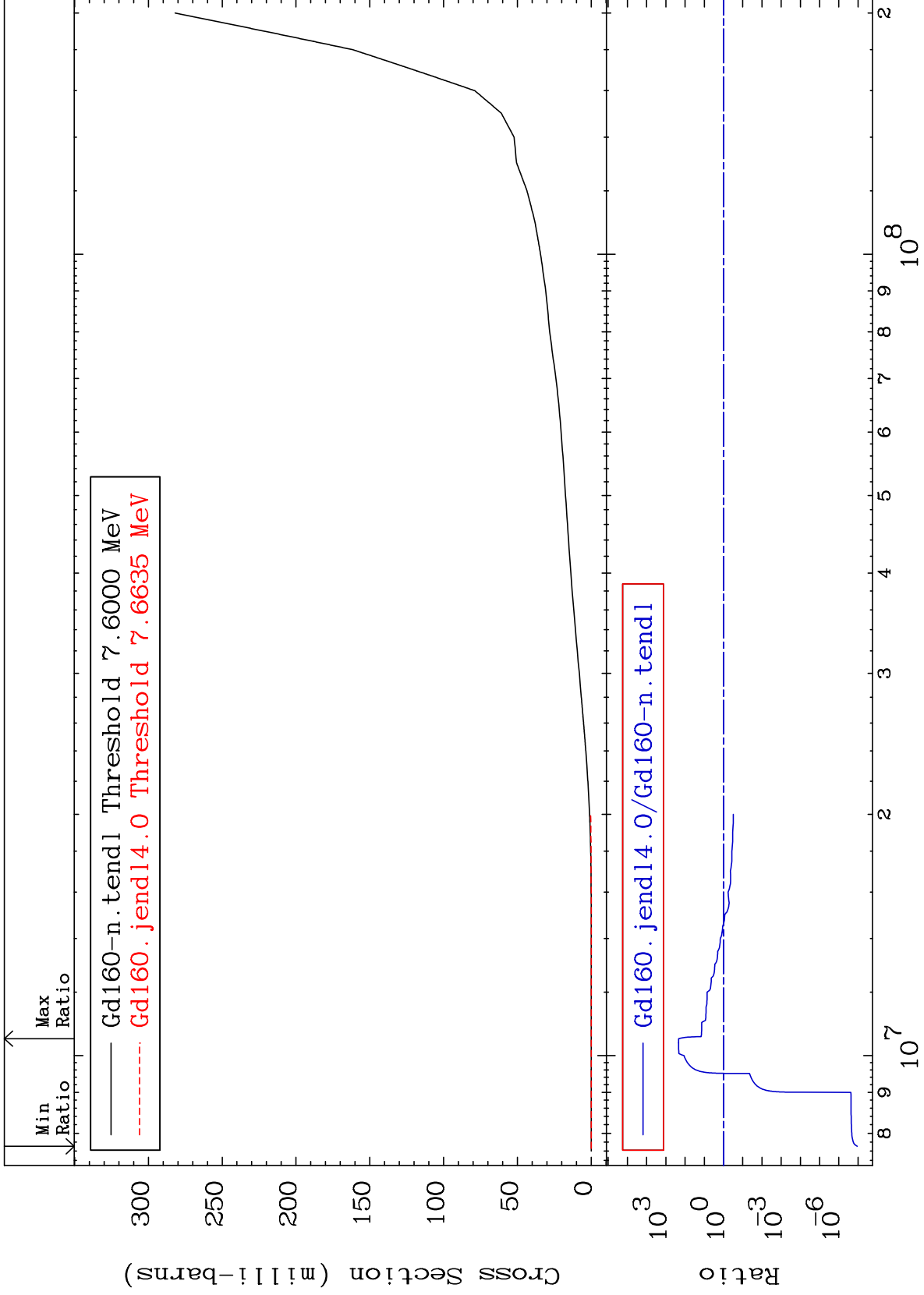
64-Gd-160
-93.33 To 9999. %



MAT 6449

Tritium Production
Cross Section

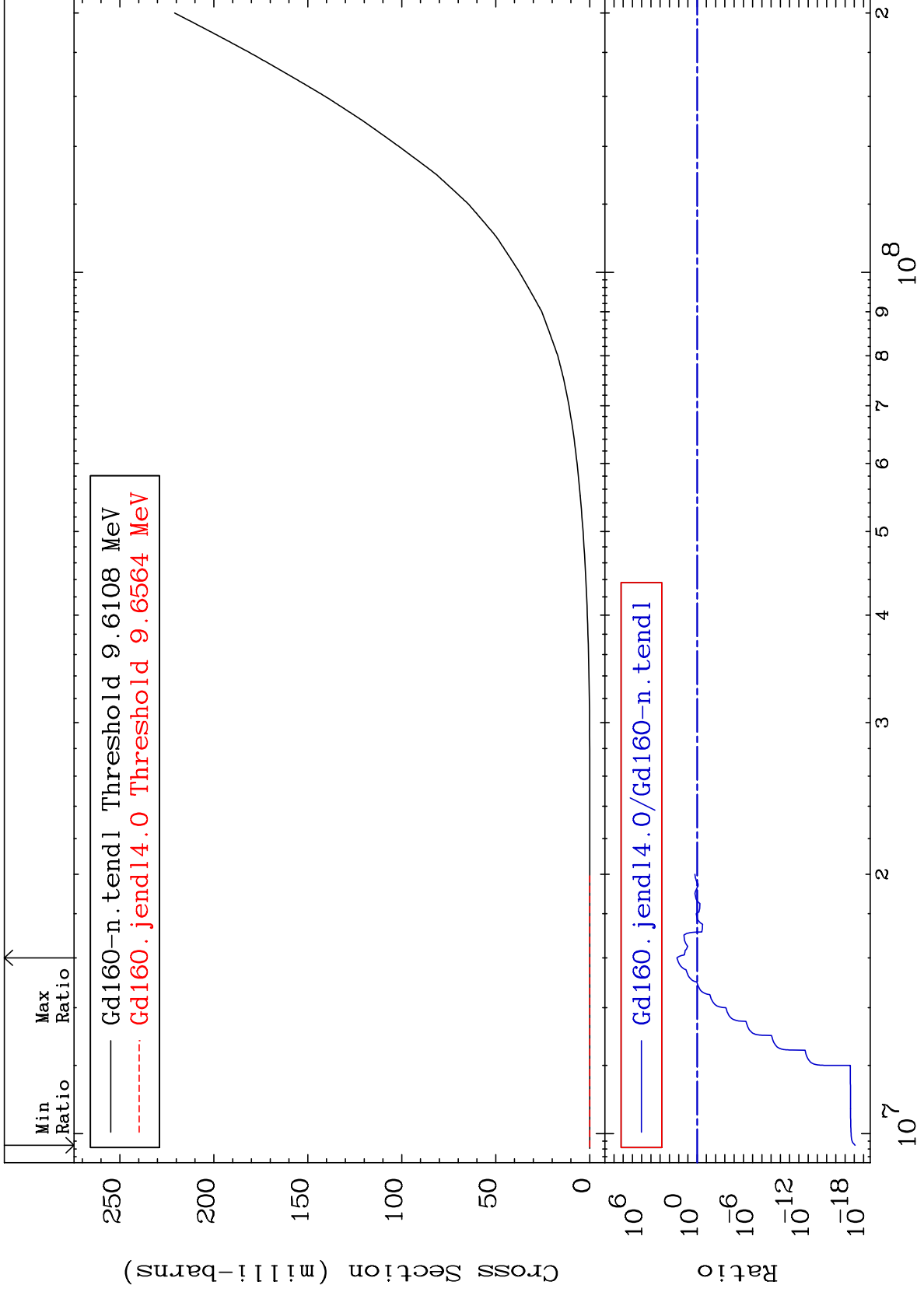
64-Gd-160
-100.0 To 9999. %



MAT 6449

He-3 Production
Cross Section

64-Gd-160
-100.0 To 9999. %



48

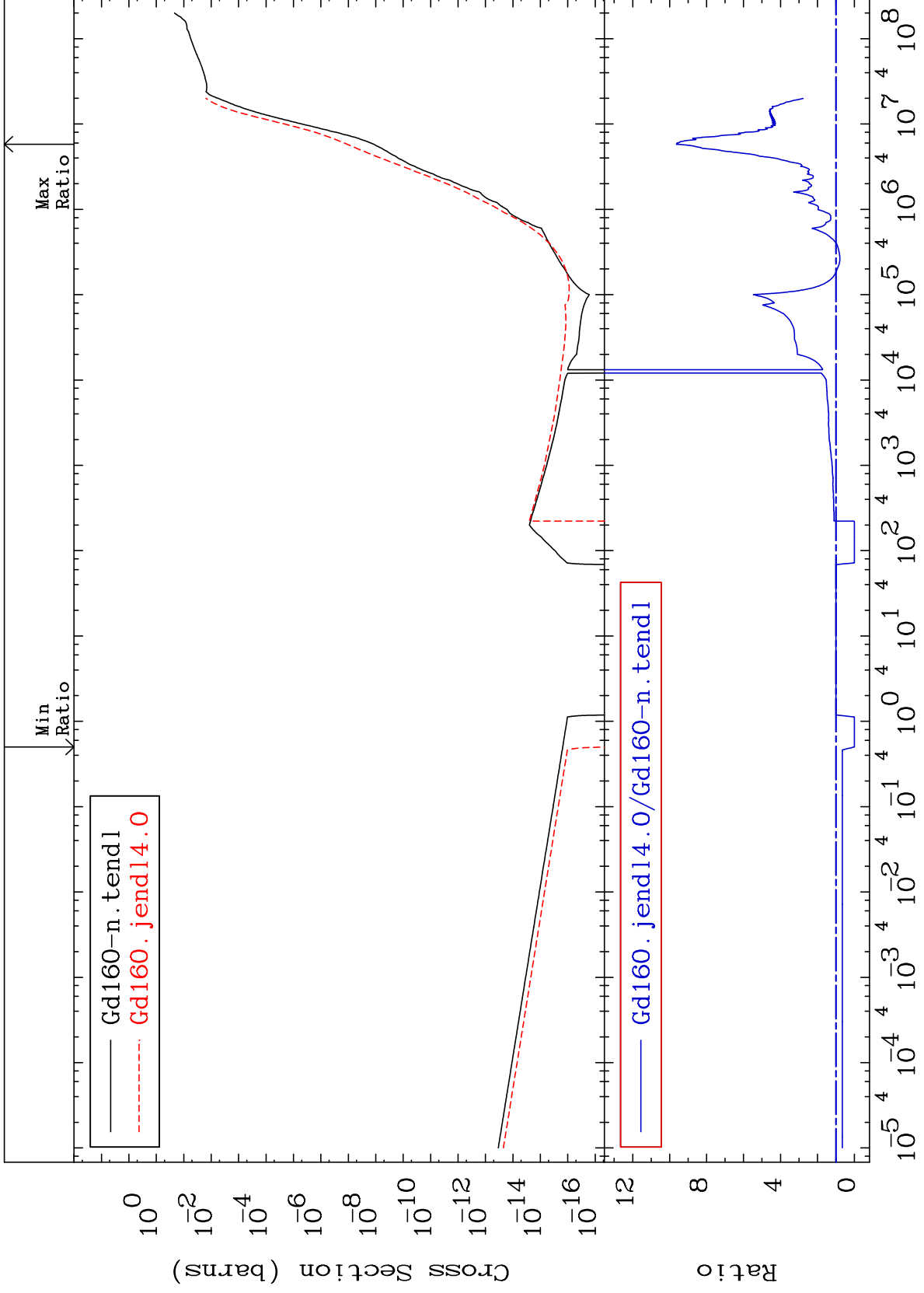
Incident Energy (eV)

64-Gd-160

MAT 6449

He-4 Production
Cross Section

64-Gd-160
-100.0 To 863.6 %



49

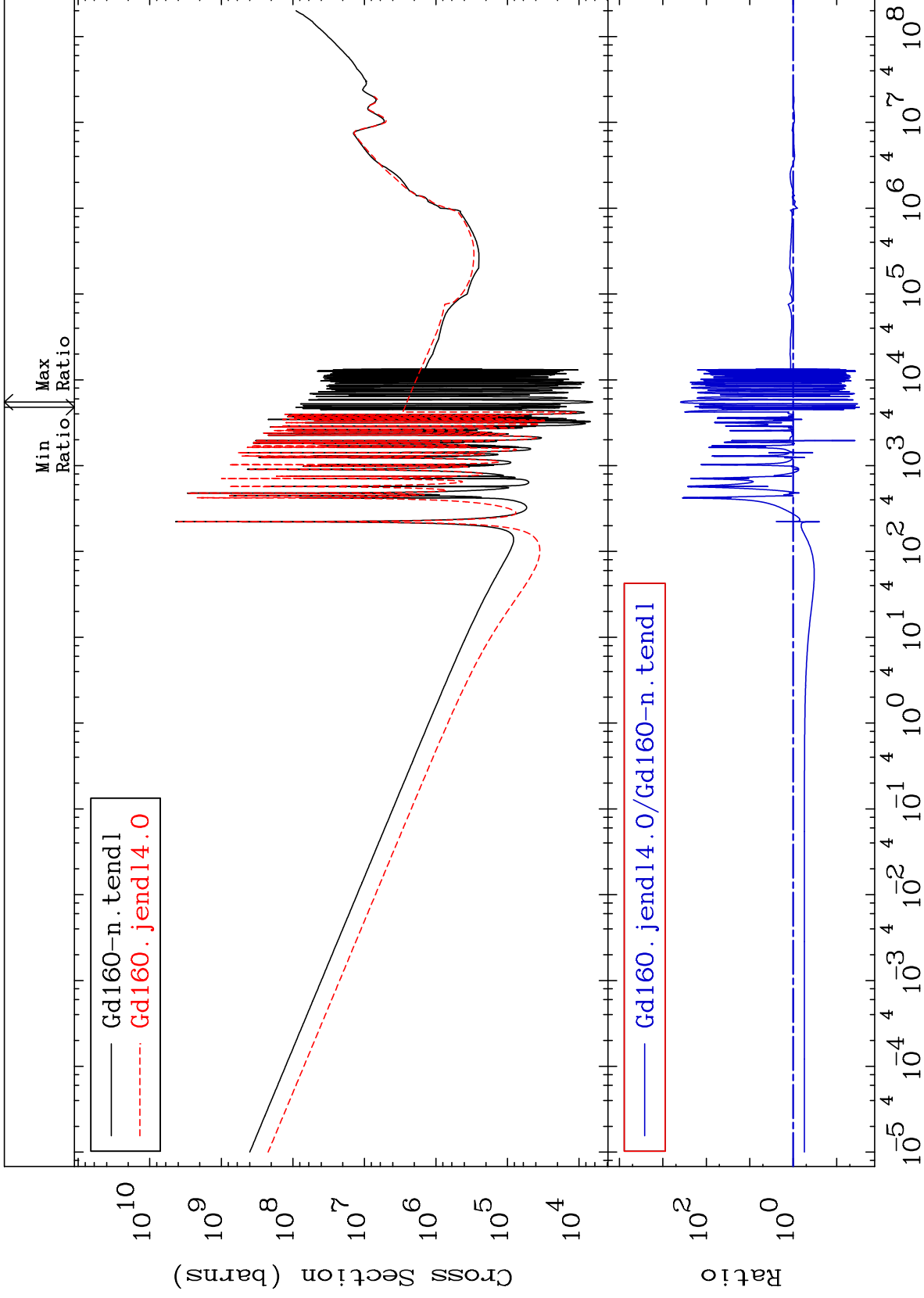
Incident Energy (eV)

64-Gd-160

MAT 6449

Kerma total (eV-barns)
Cross Section

64-Gd-160
-97.01 To 9999. %



50

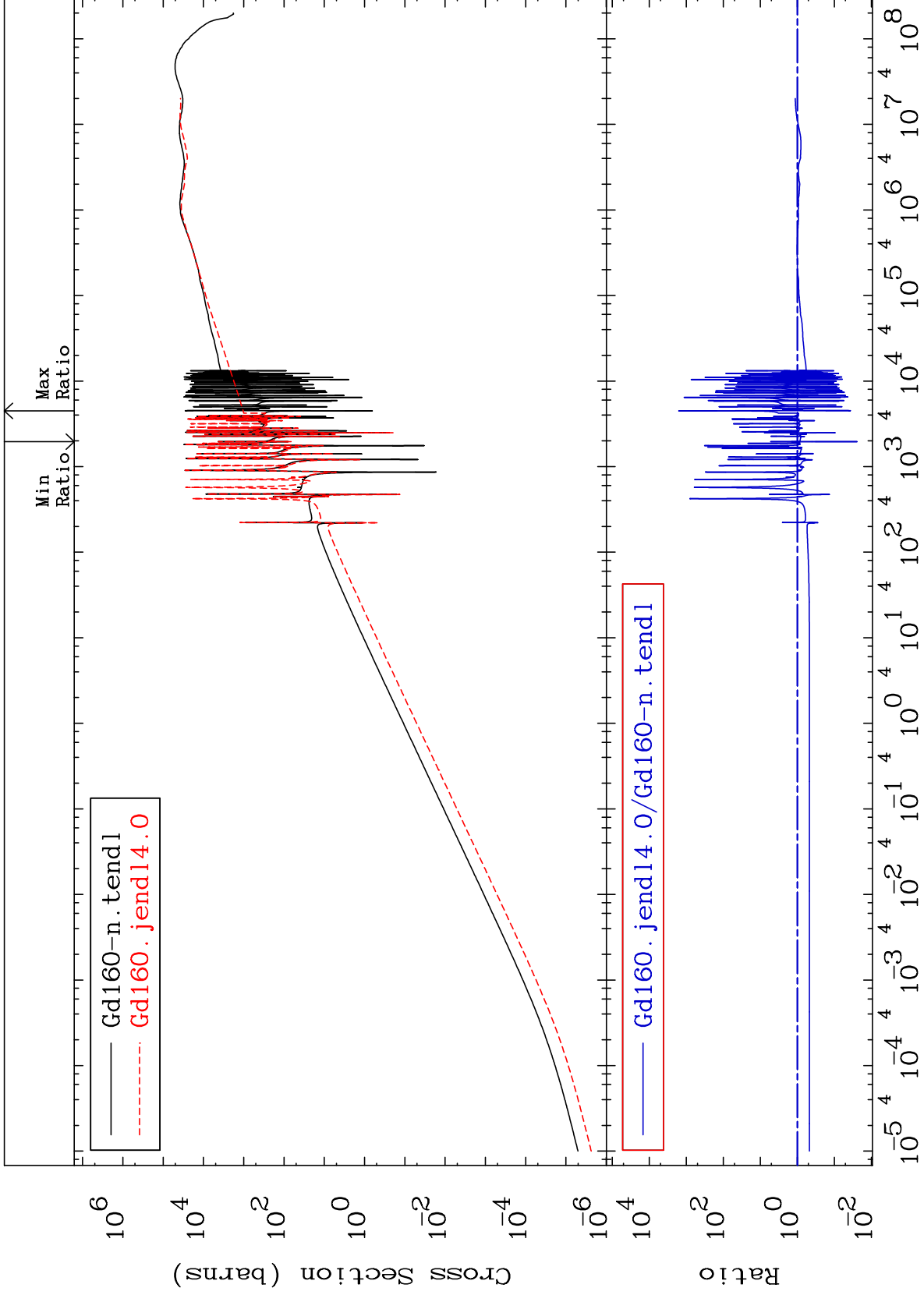
Incident Energy (eV)

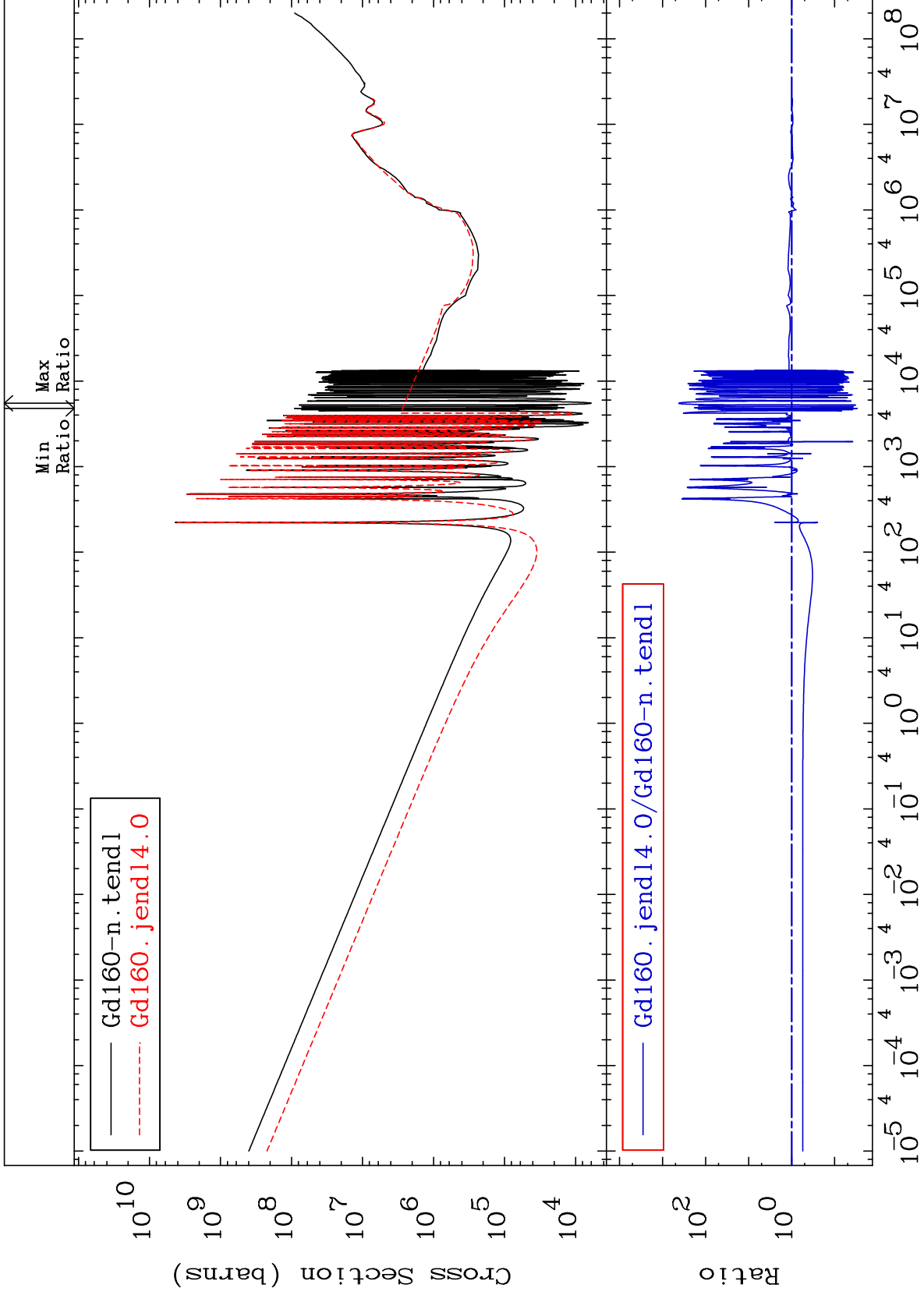
64-Gd-160

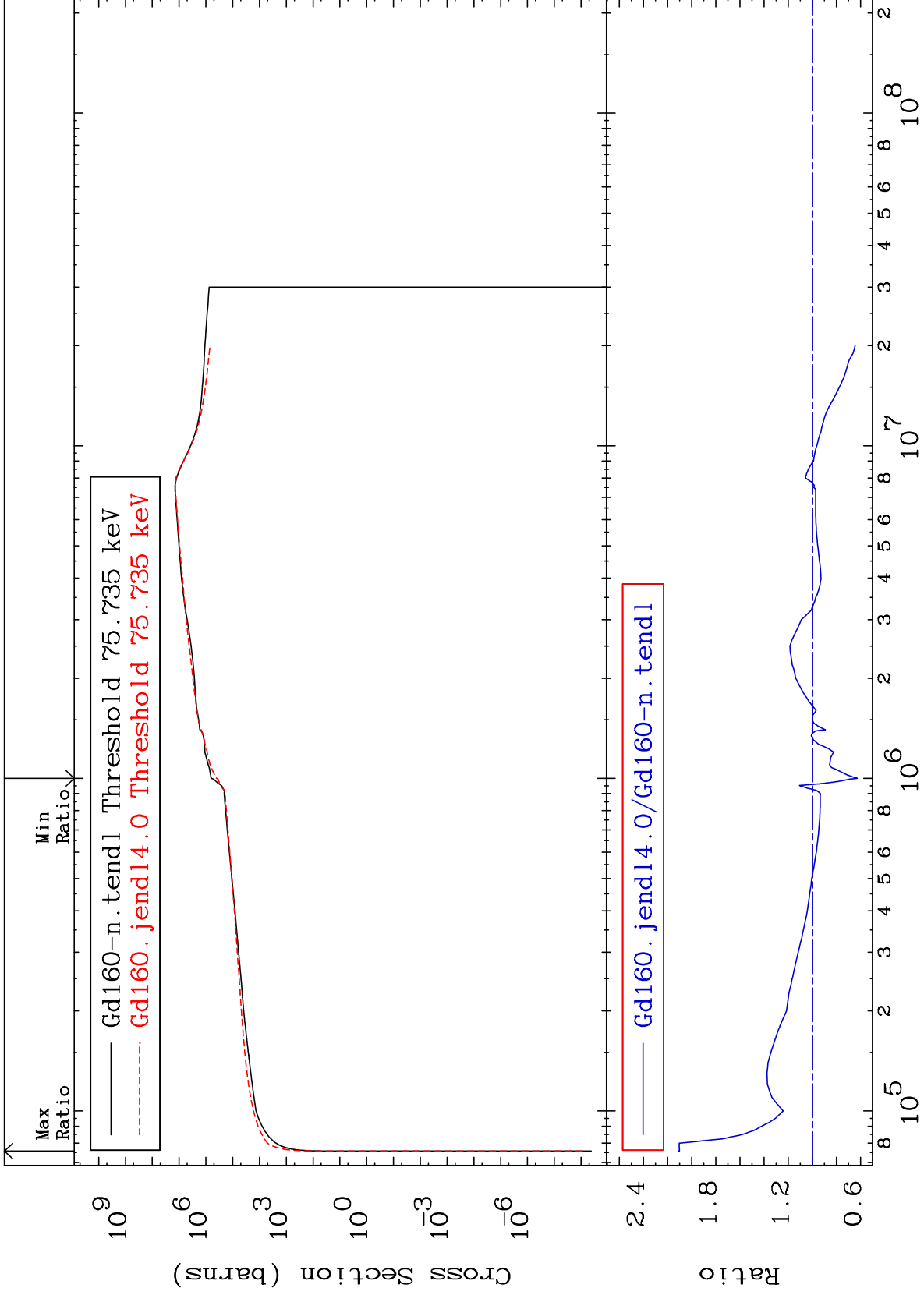
MAT 6449

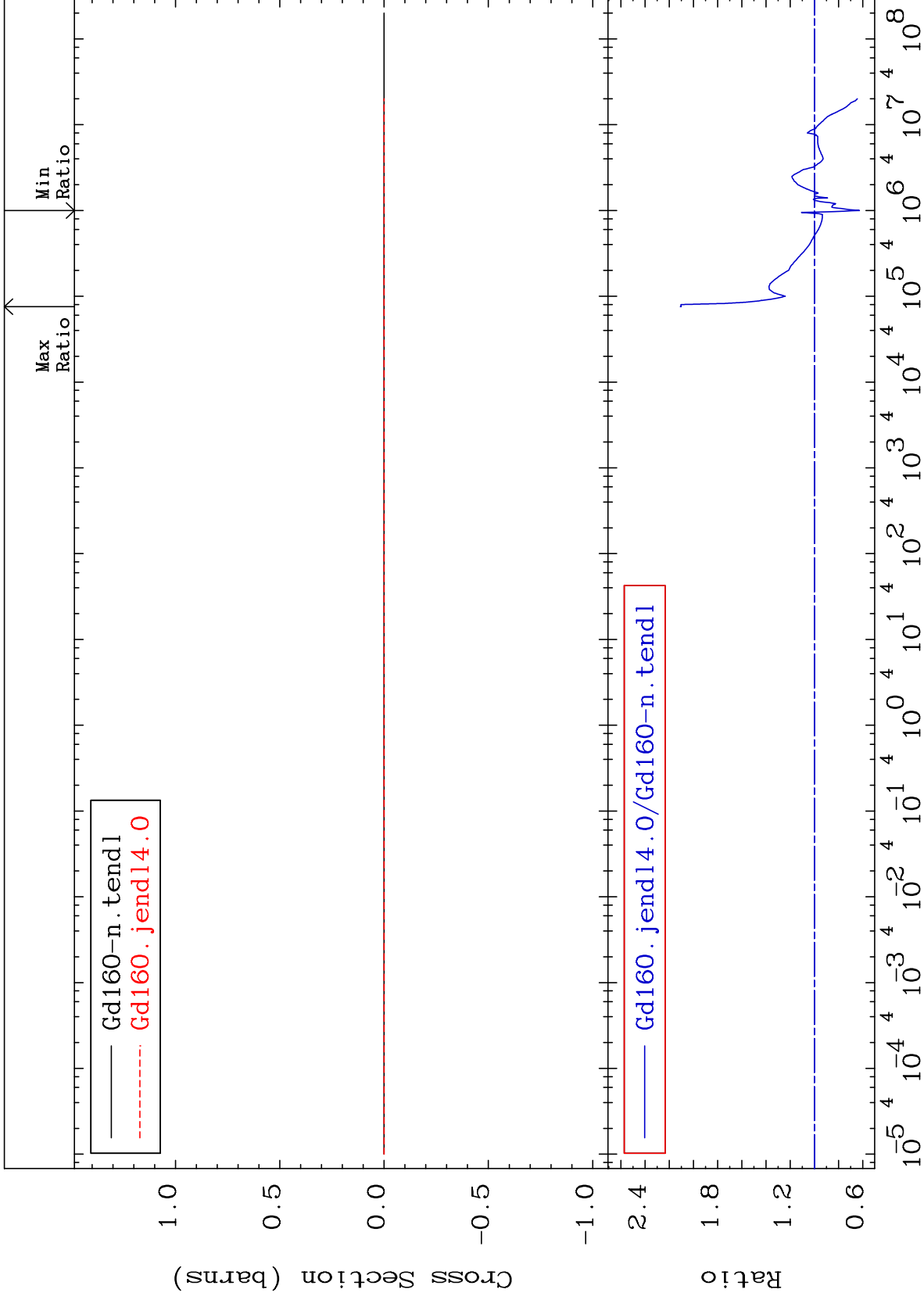
Kerma elastic
Cross Section

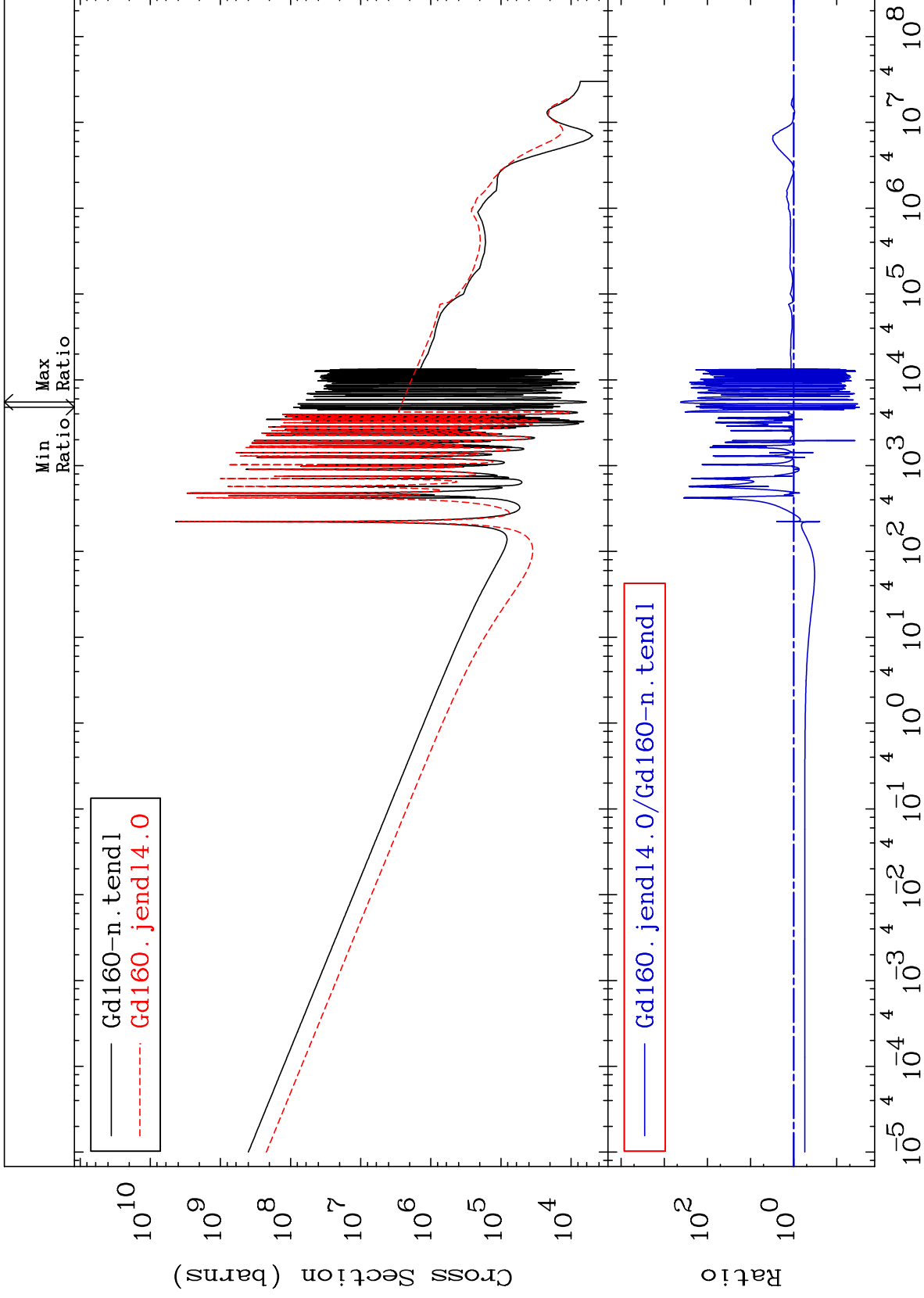
64-Gd-160
-97.60 To 9999. %







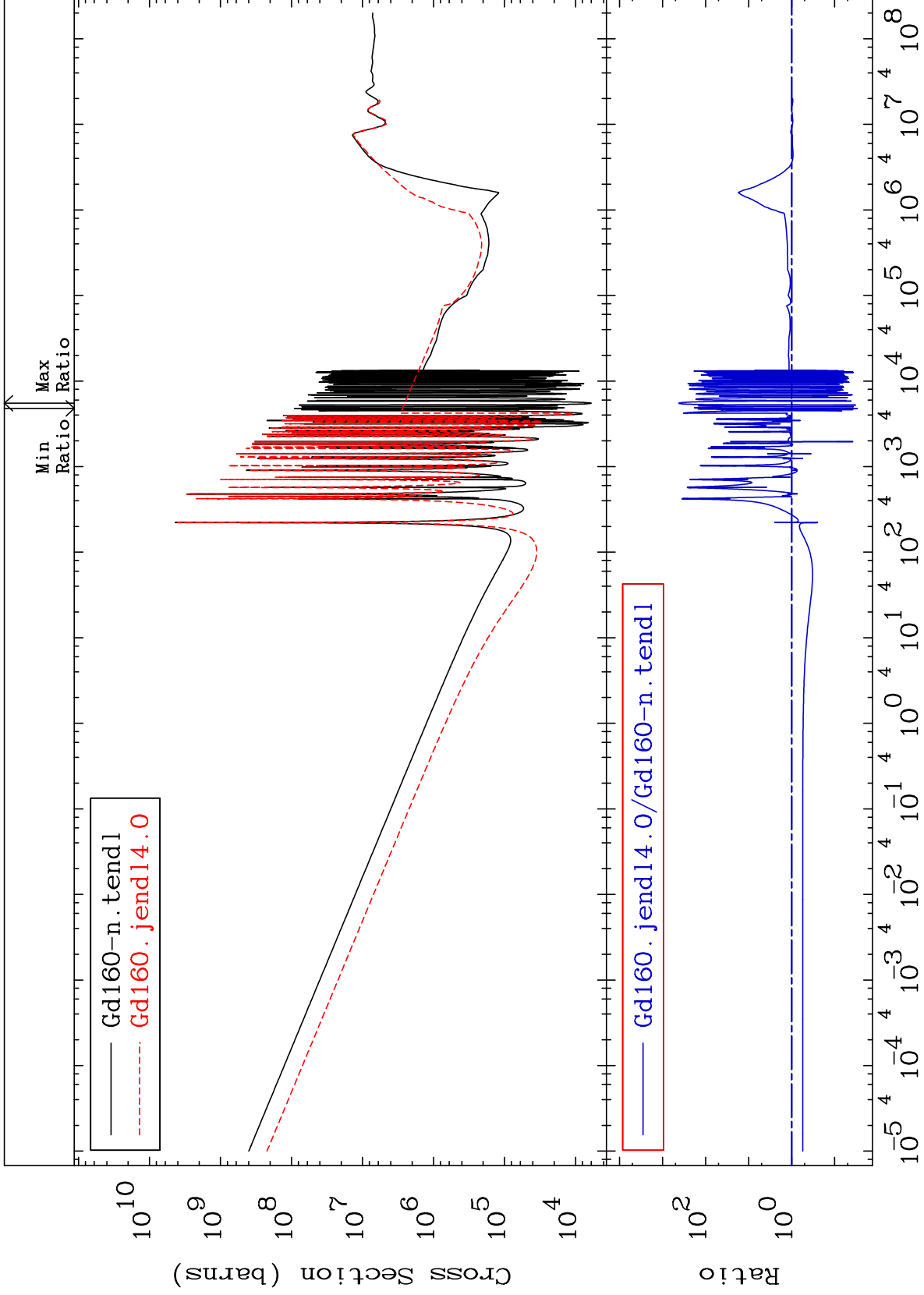




MAT 6449

Total photon (eV-barns)
Cross Section

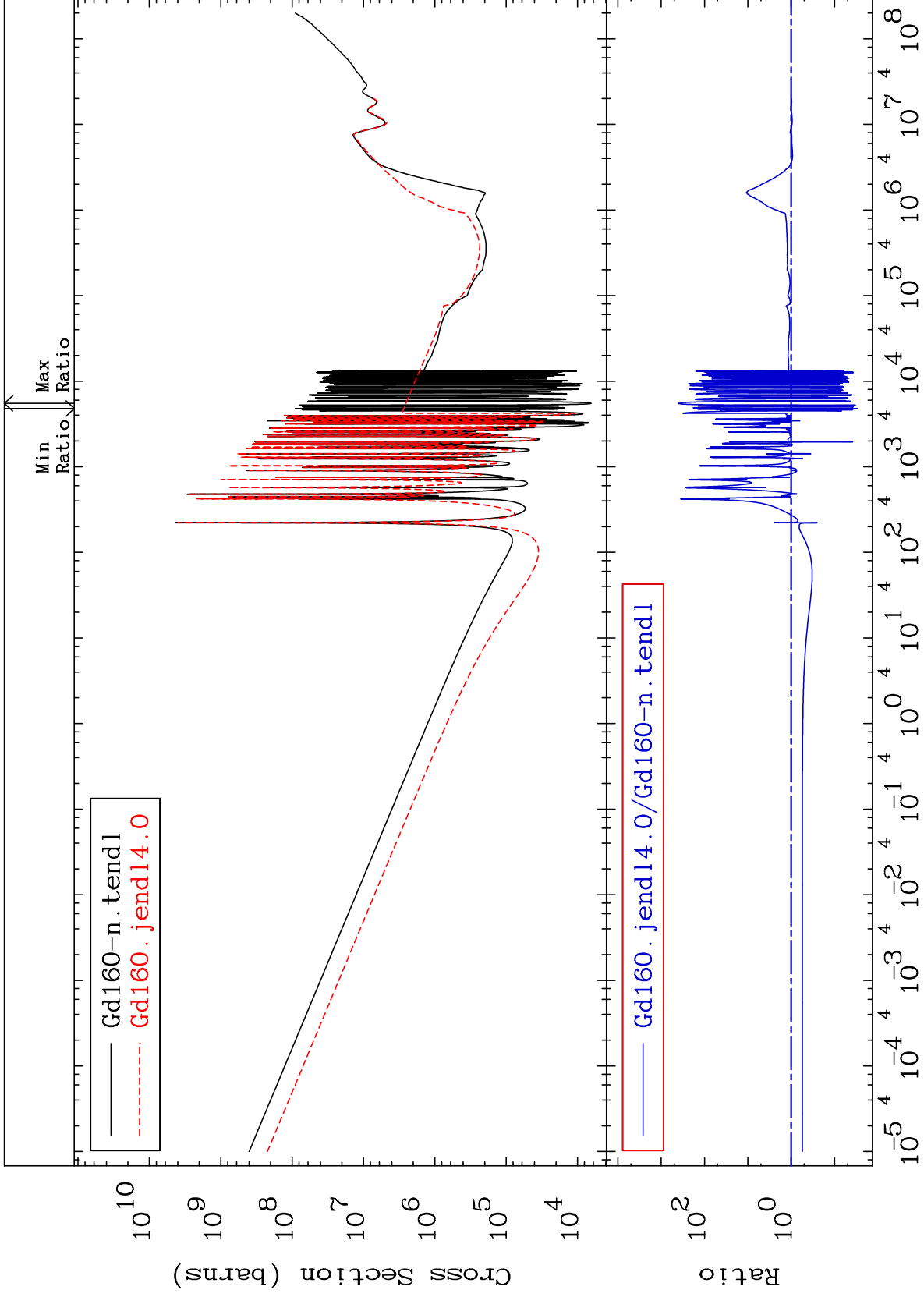
64-Gd-160
-97.01 To 9999. %

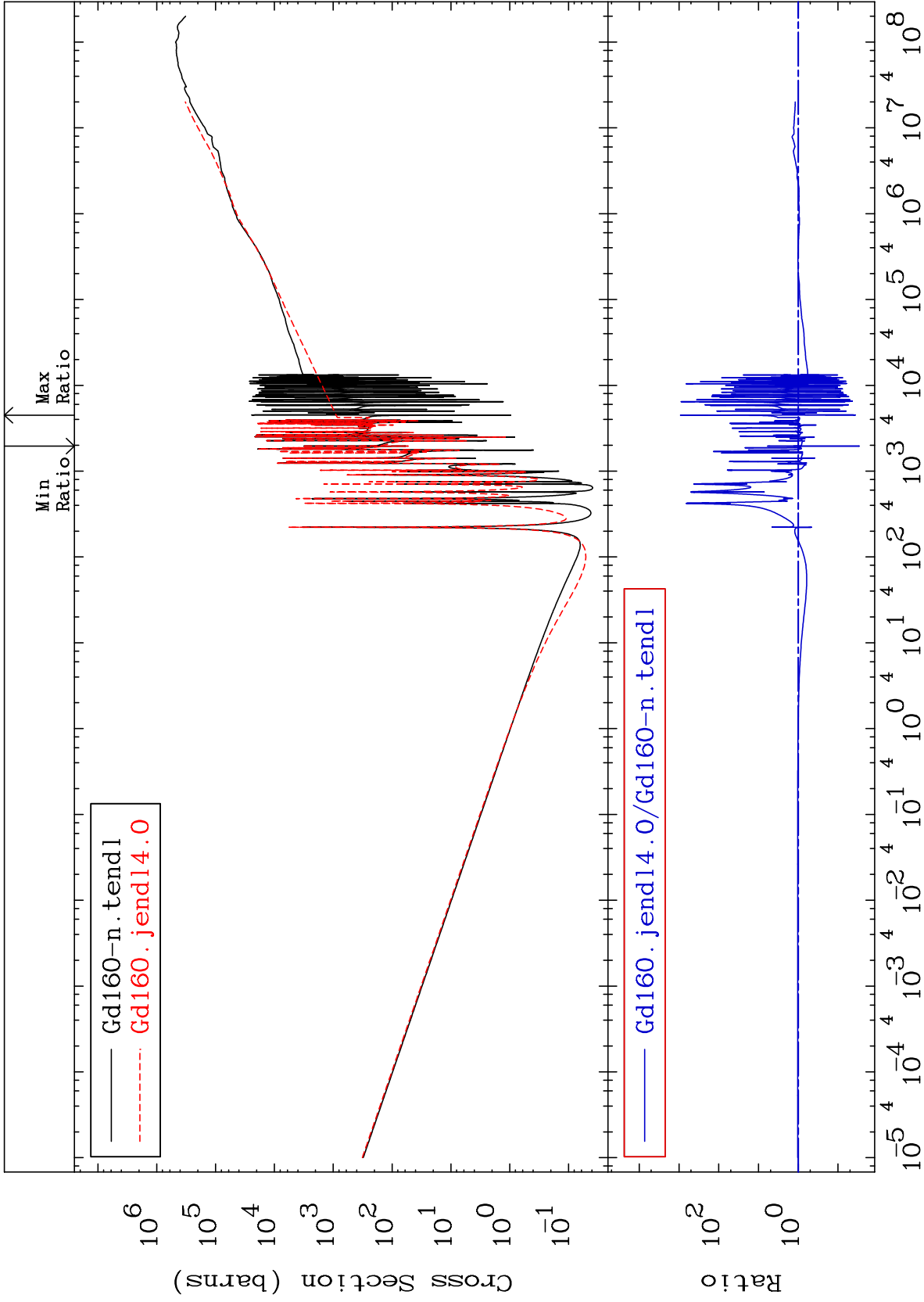


56

Incident Energy (eV)

64-Gd-160

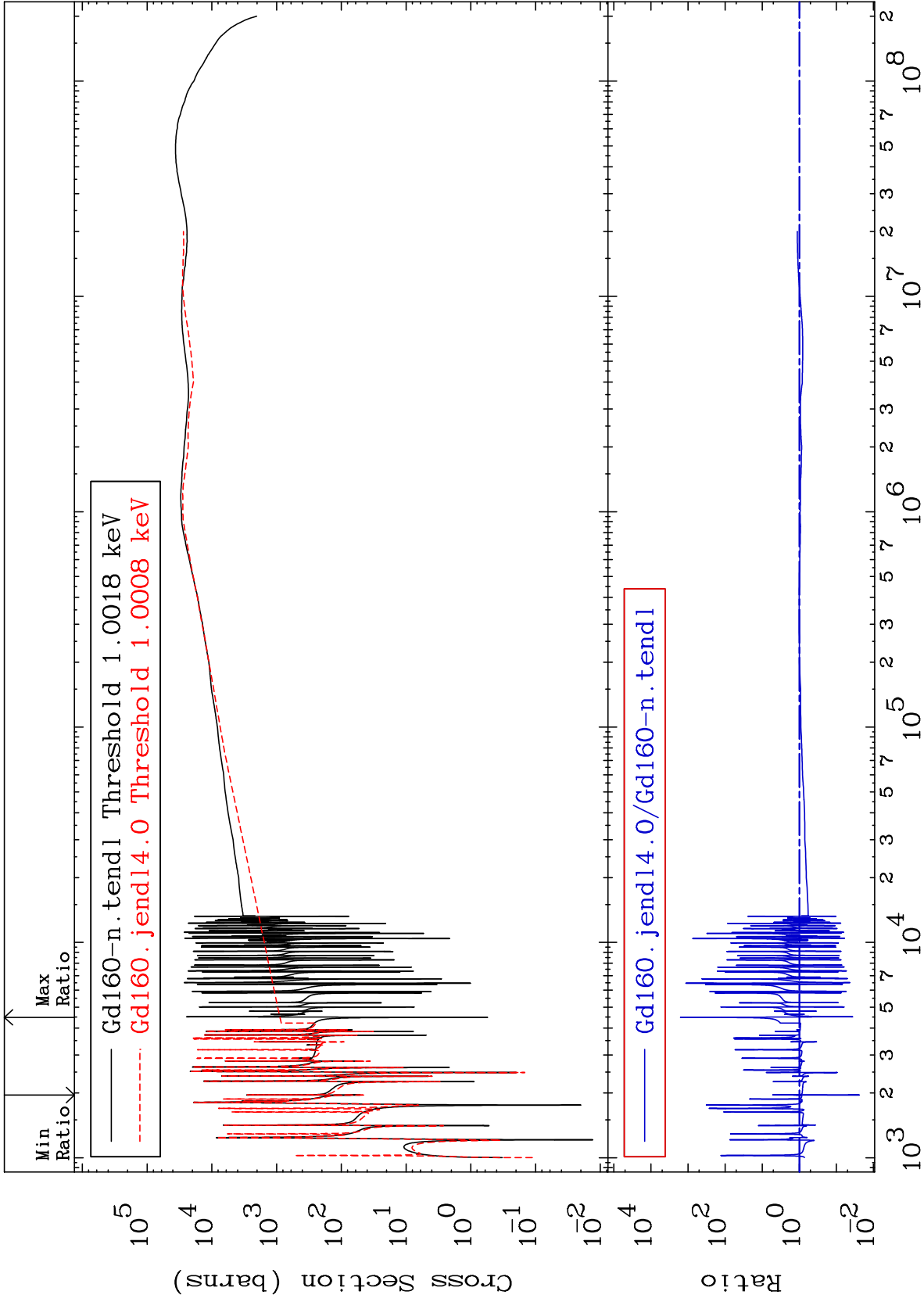




MAT 6449

Dpa elastic (mt2)
Cross Section

64-Gd-160
-97.61 To 9999. %



59

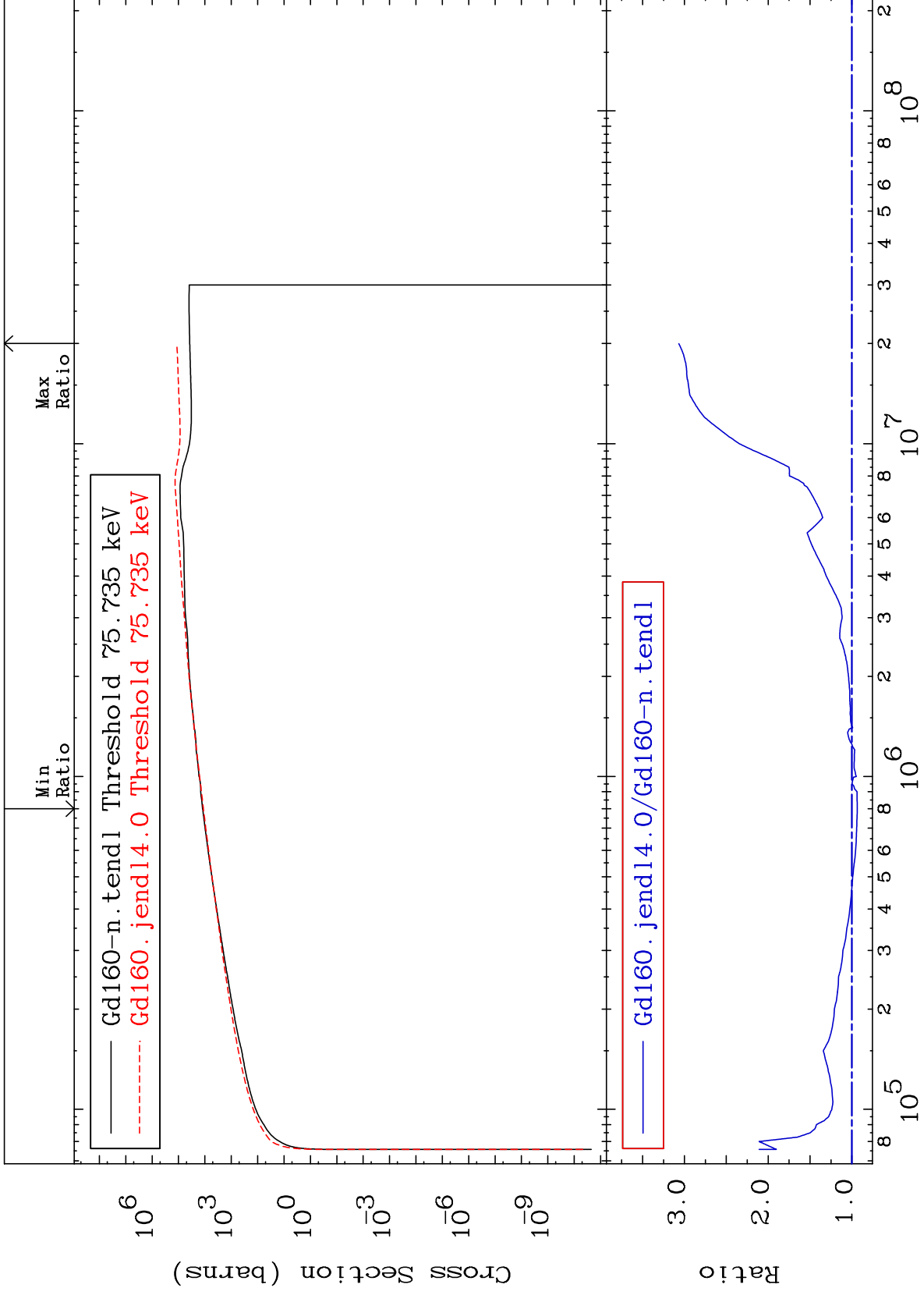
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa inelastic (mt51-91)
Cross Section

64-Gd-160
-6.406 To 207.0 %



60

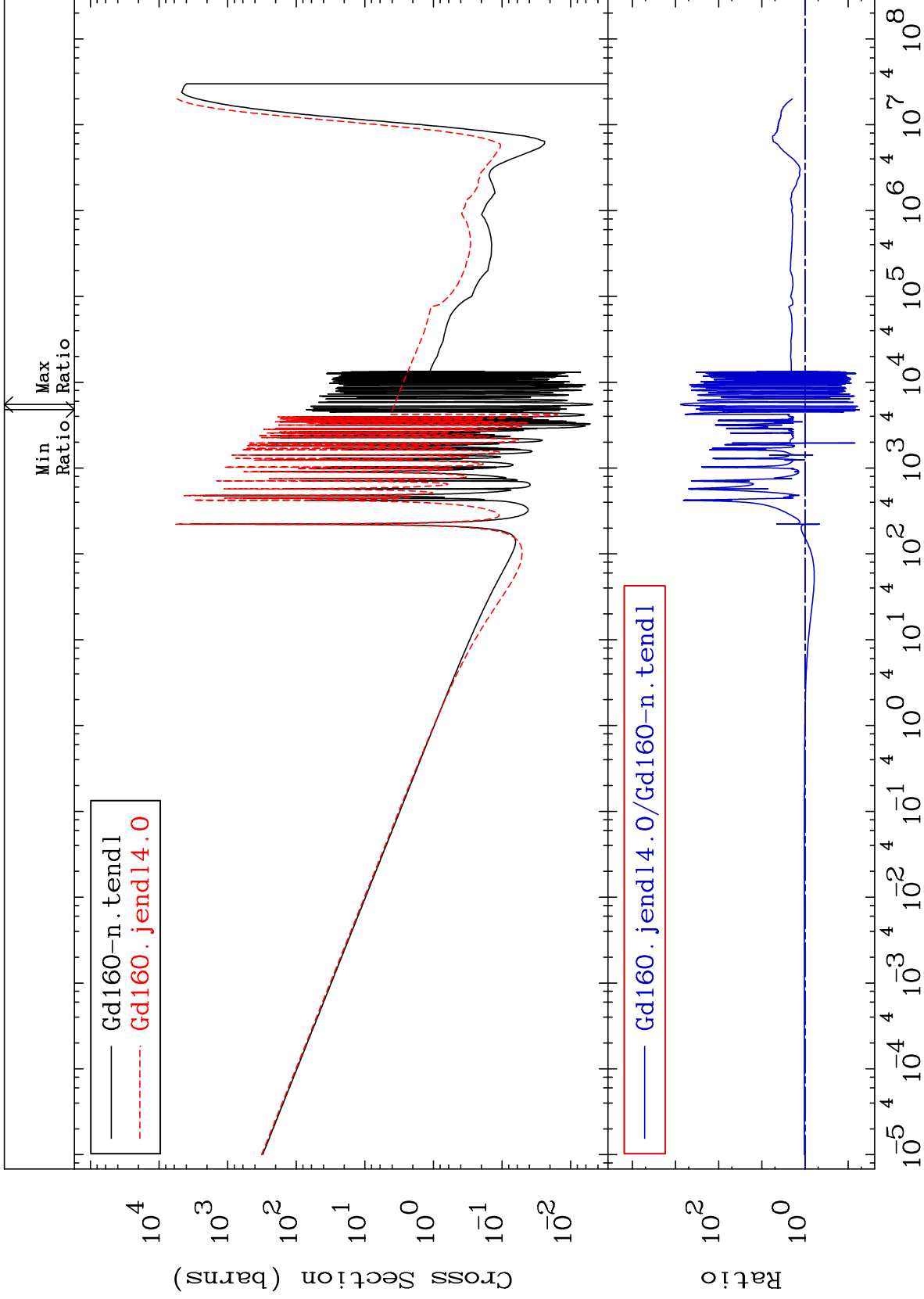
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-160
-94.49 To 9999. %



61

Incident Energy (eV)

64-Gd-160