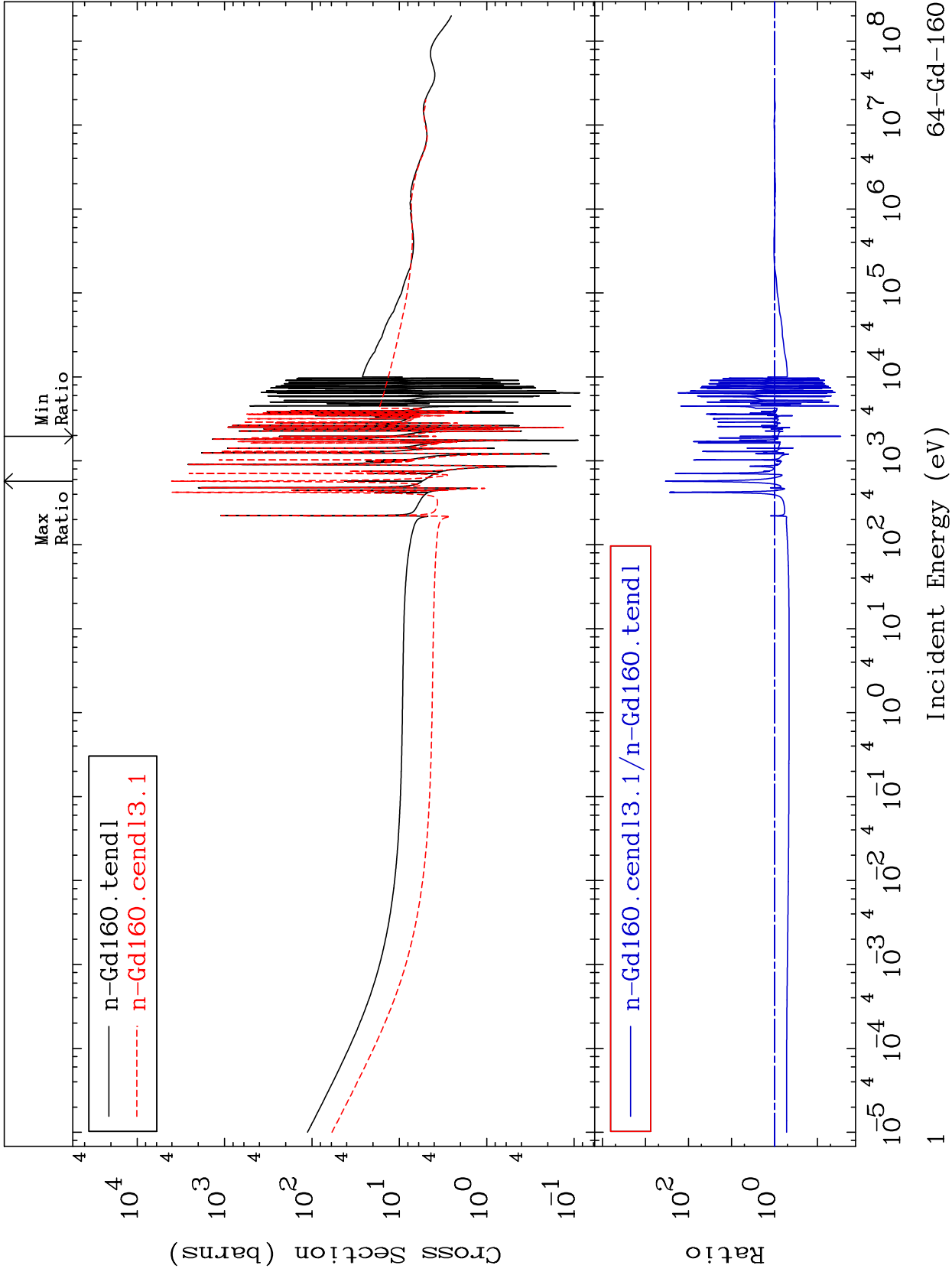


MAT 6449

Total Cross Section
64-Gd-160
-97.11 To 9999. %

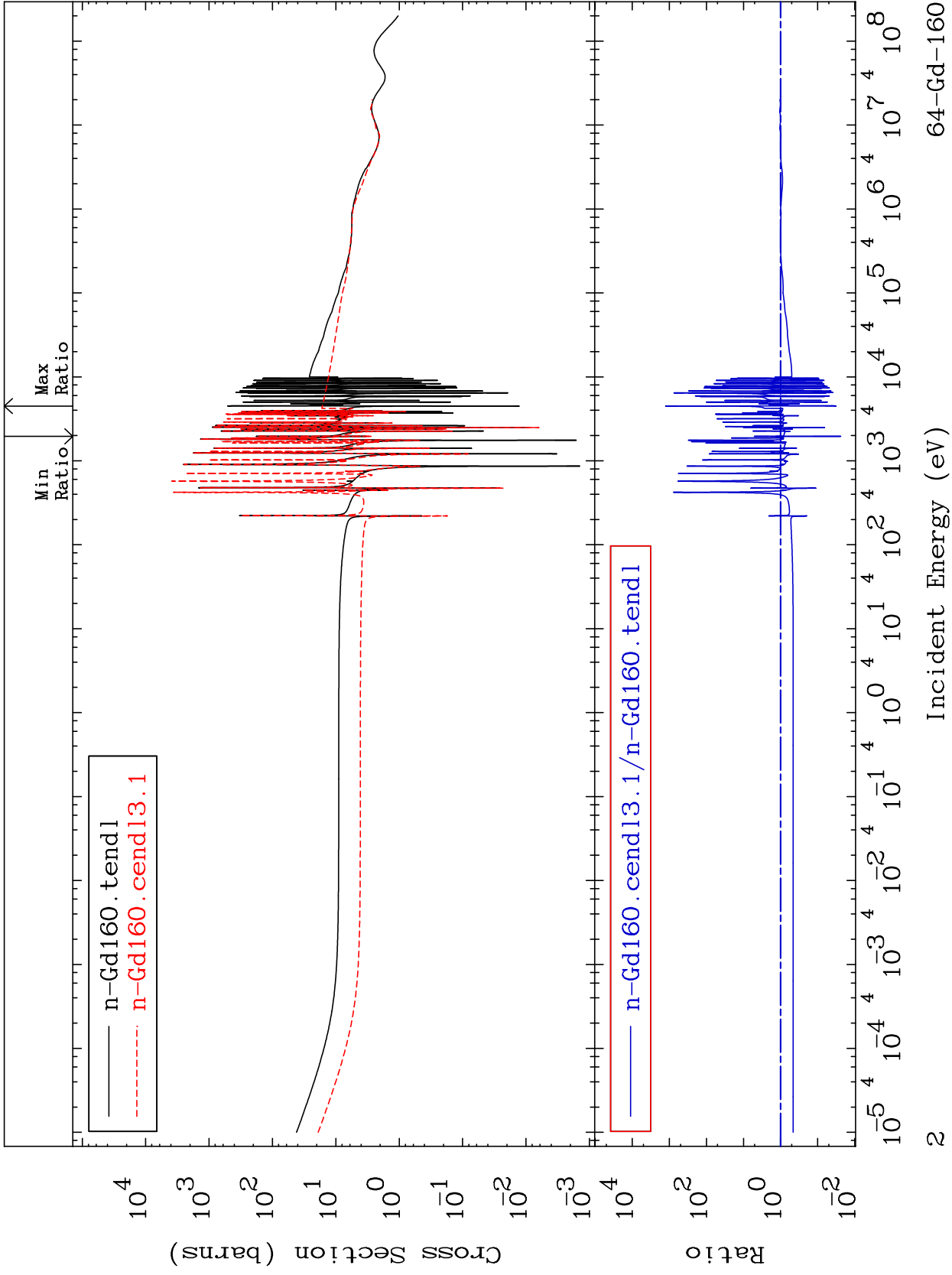


64-Gd-160

MAT 6449

Elastic
Cross Section

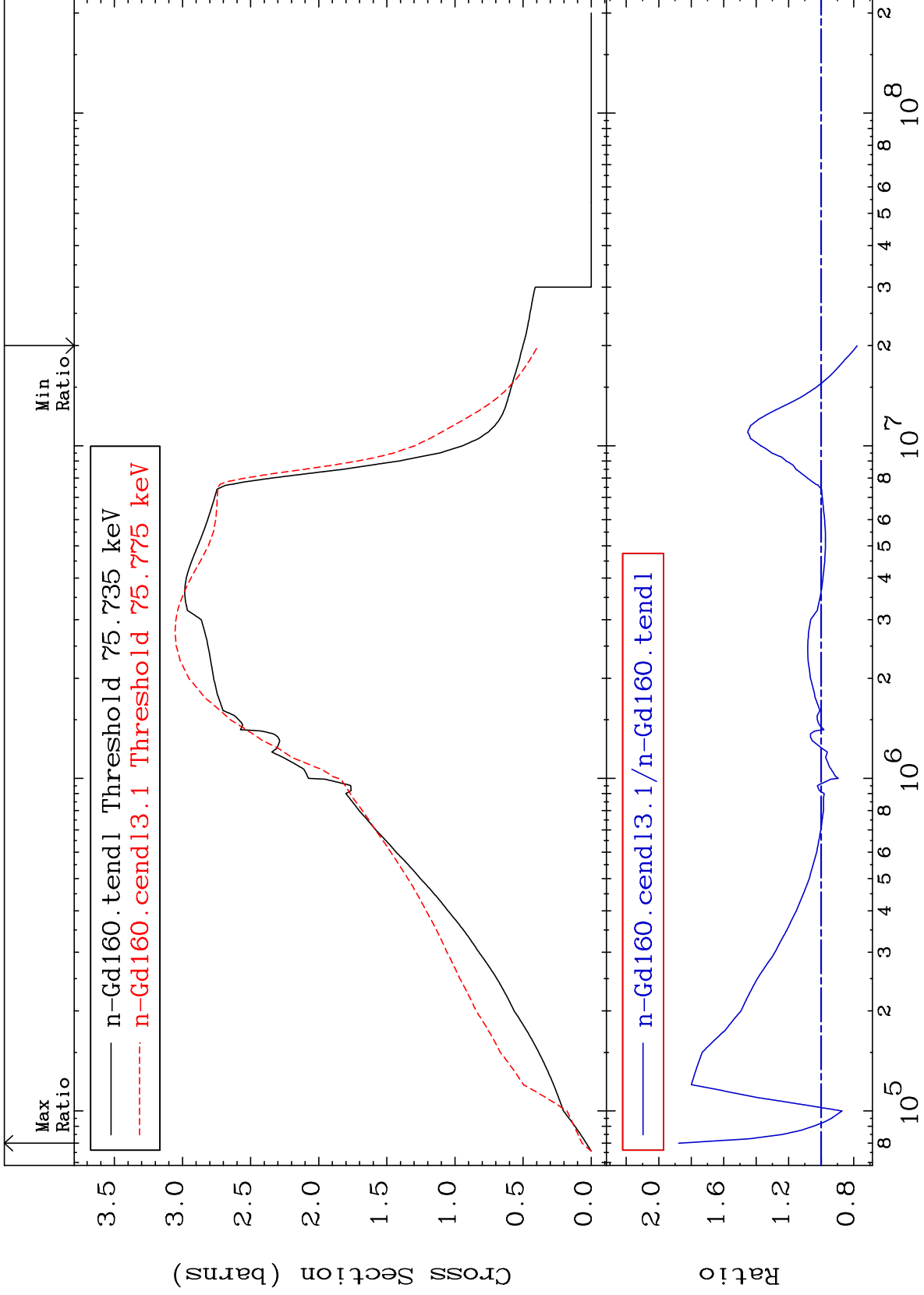
64-Gd-160
-97.60 To 9999. %



MAT 6449

Inelastic
Cross Section

64-Gd-160
-22.22 To 87.76 %



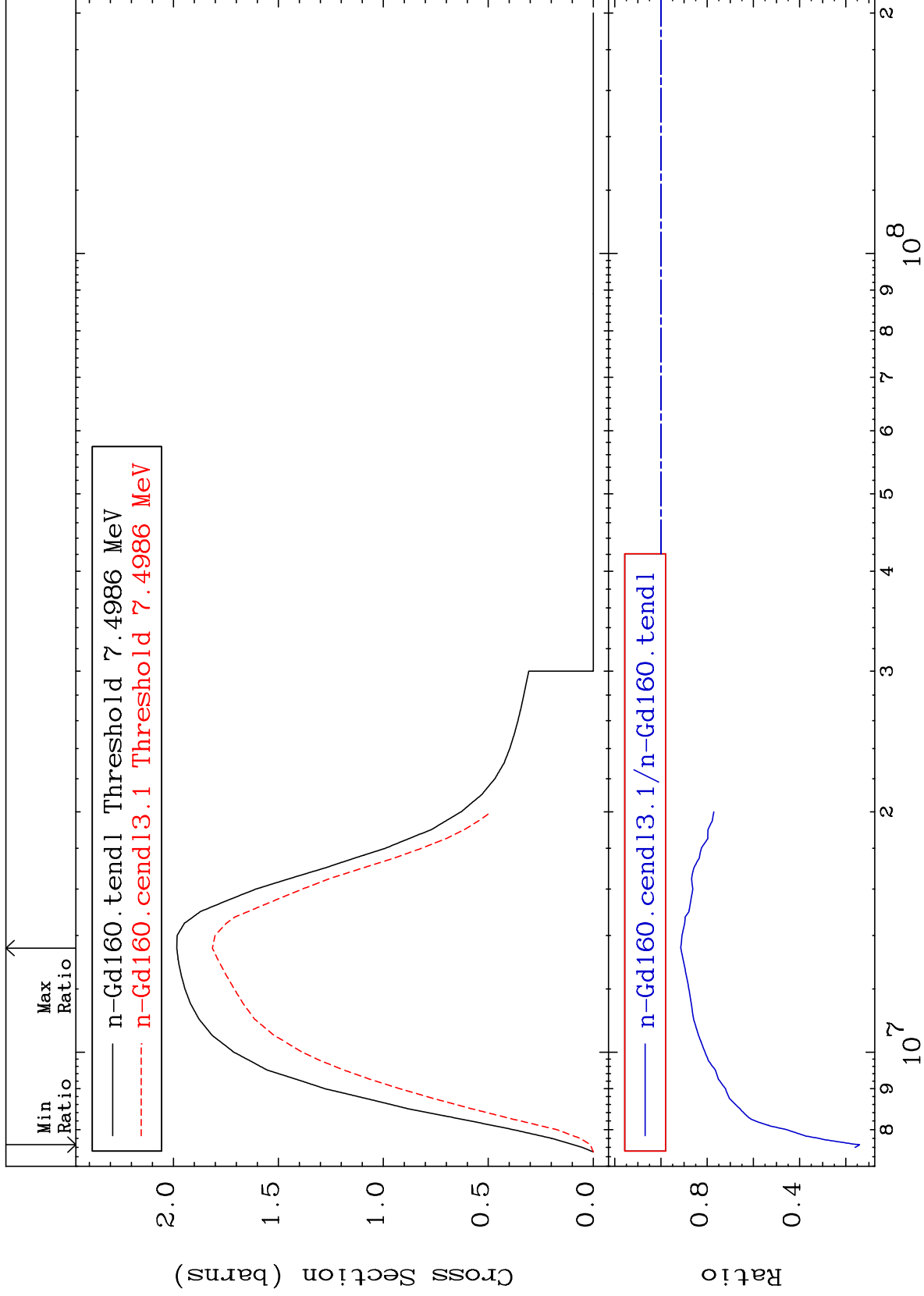
MAT 6449

(n,2n)

64-Gd-160

Cross Section

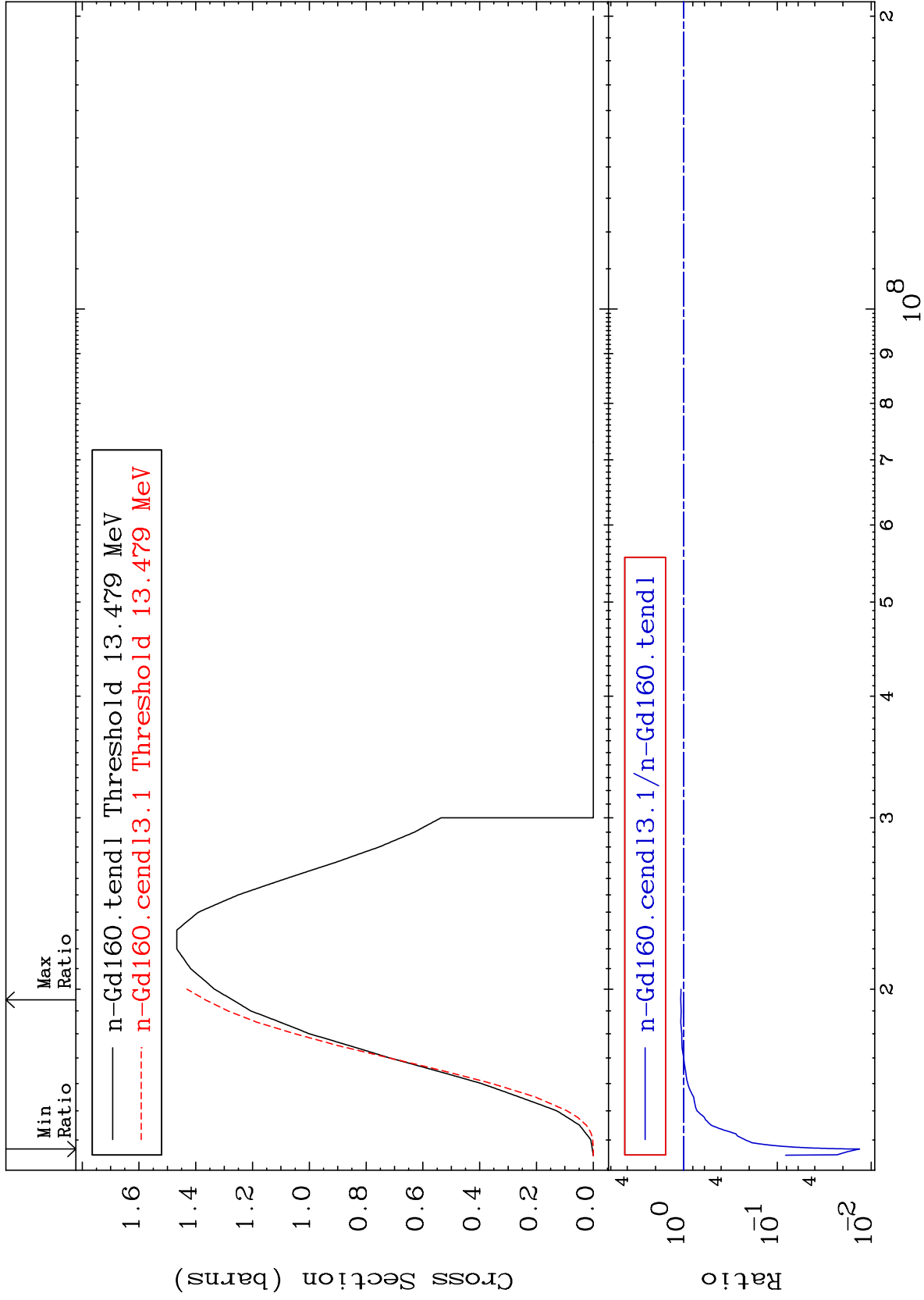
-85.95 To -8.555%



4

Incident Energy (eV)

64-Gd-160



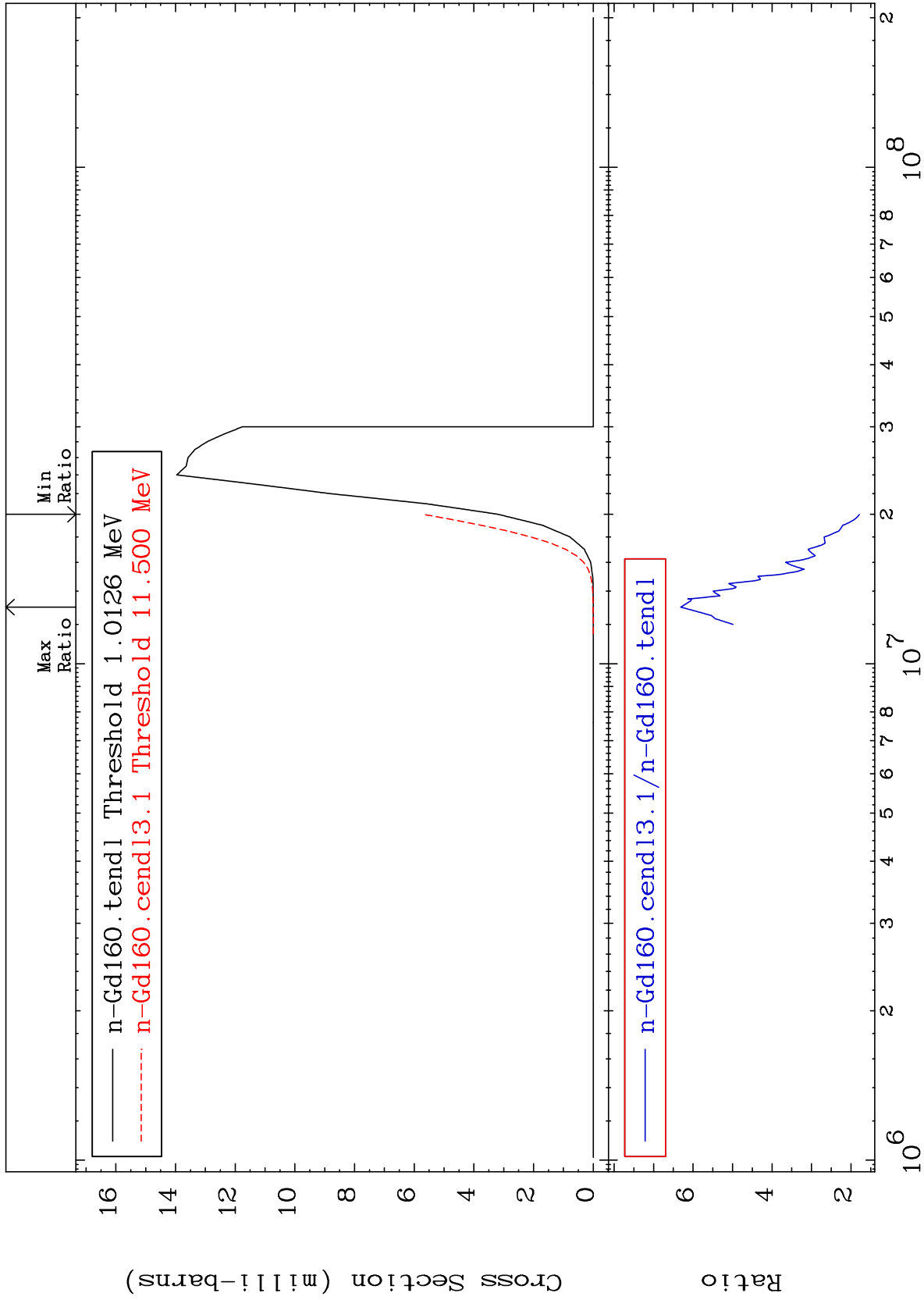
MAT 6449

(n, n') α

64-Gd-160

78.31 To 531.1 %

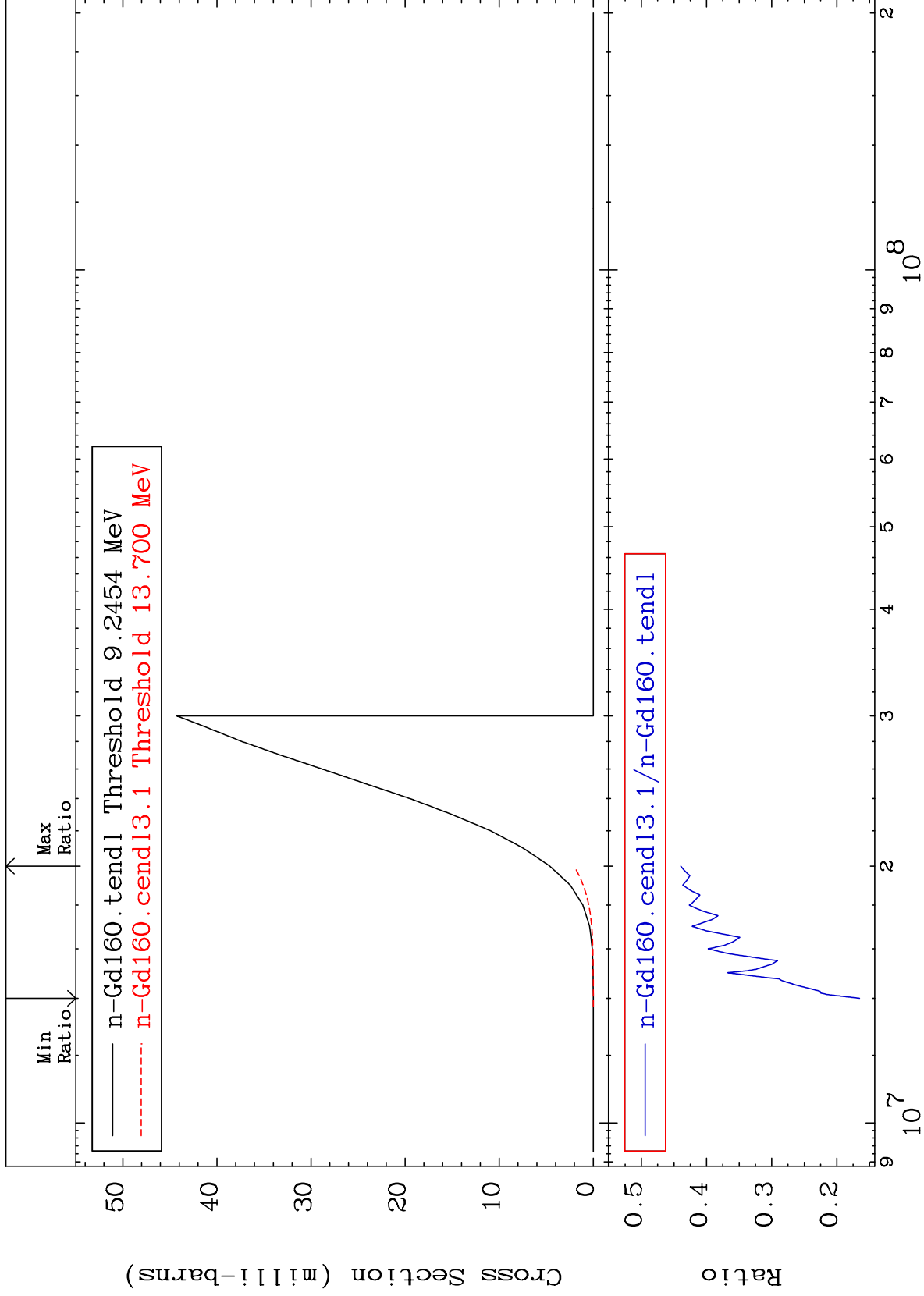
Cross Section



MAT 6449

(n,n') p
Cross Section

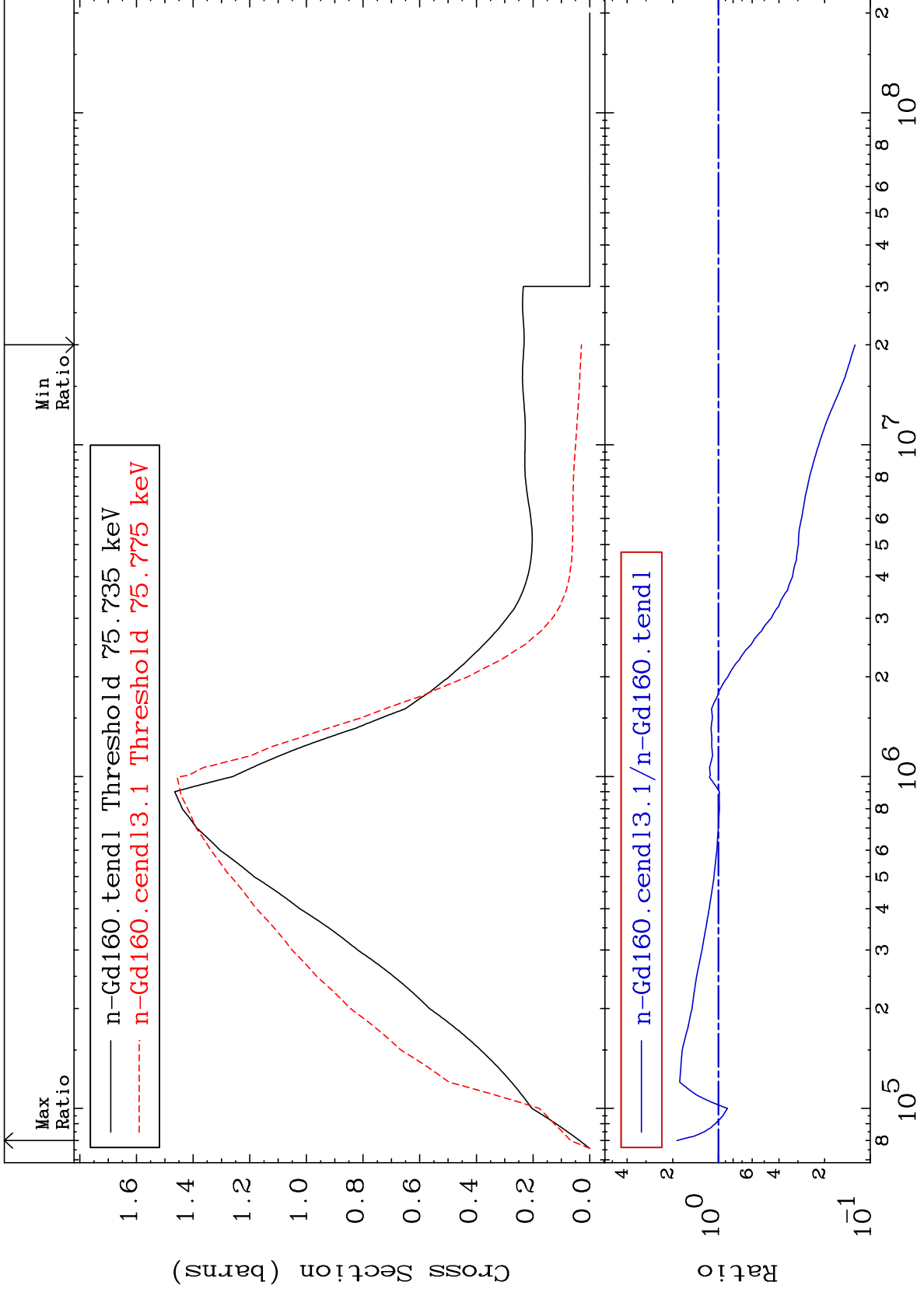
64-Gd-160
-83.48 To -56.04%



MAT 6449

MT= 51 (n,n') Level
Cross Section

64-Gd-160
-87.42 To 87.76 %



8

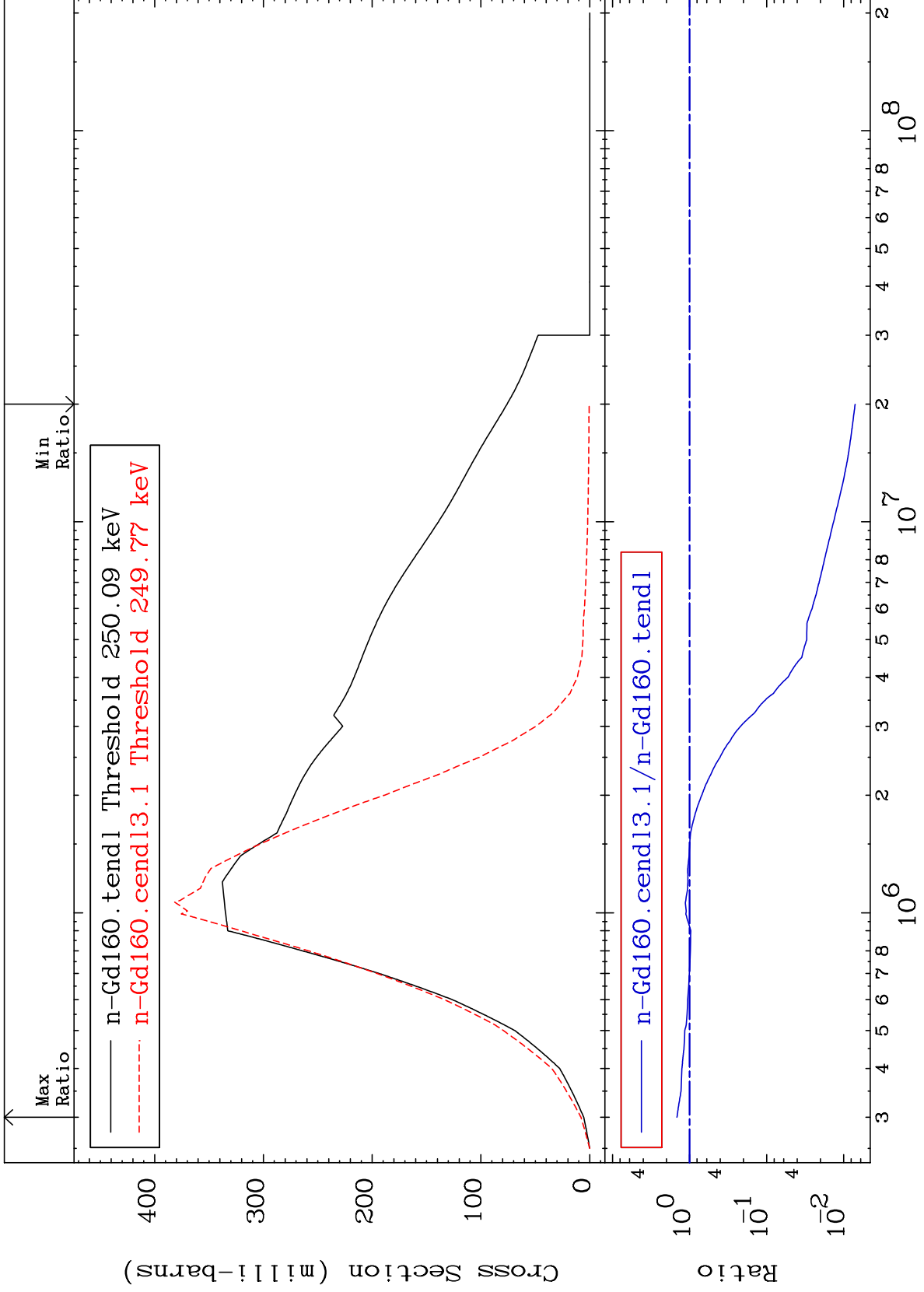
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 52 (n,n') Level
Cross Section

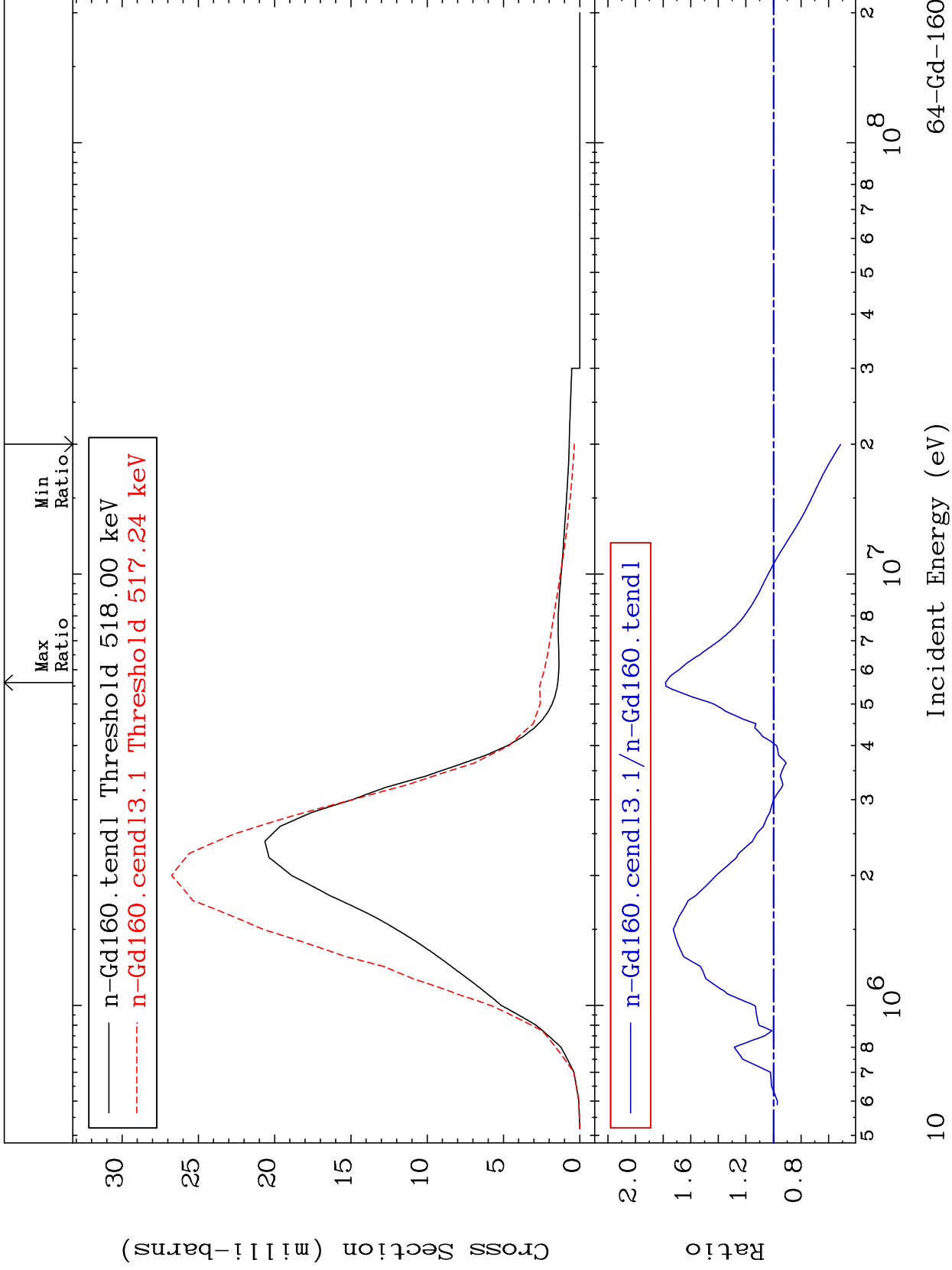
64-Gd-160
-99.29 To 46.06 %



MAT 6449

MT= 53 (n,n') Level
Cross Section

64-Gd-160
-48.71 To 78.29 %



10

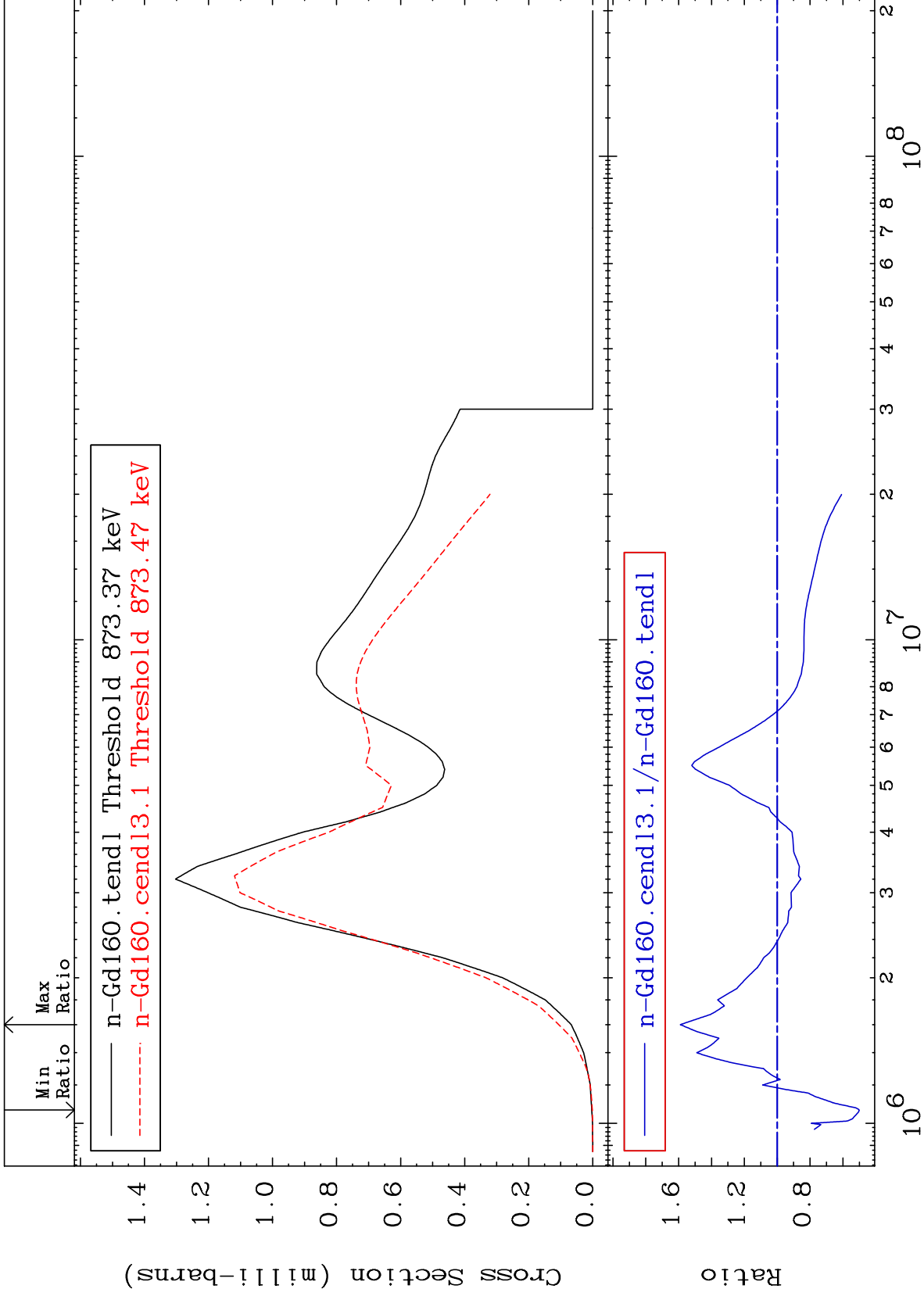
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 54 (n,n') Level
Cross Section

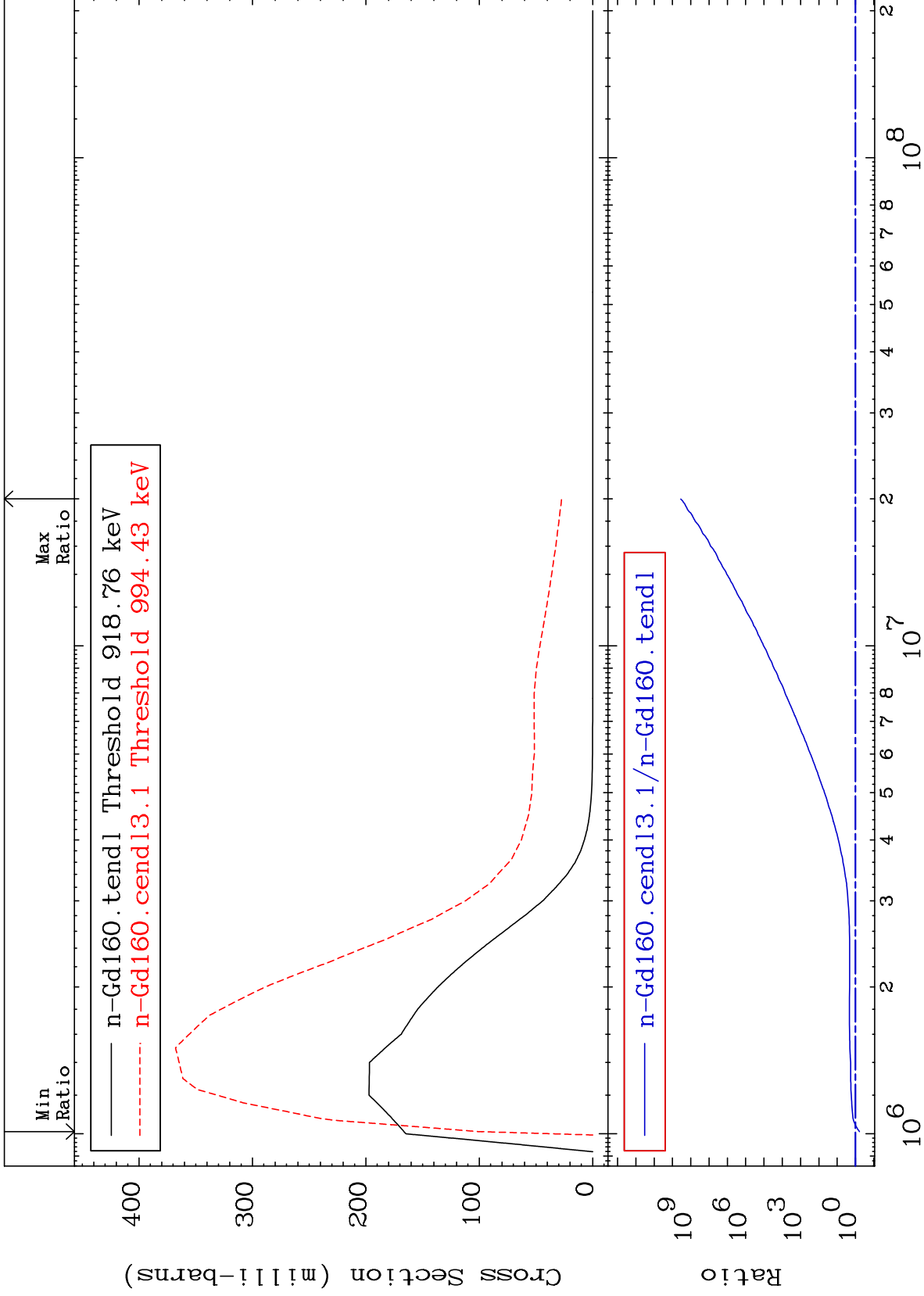
64-Gd-160
-50.05 To 58.95 %



MAT 6449

MT= 55 (n,n') Level
Cross Section

64-Gd-160
-39.07 To 9999. %



12

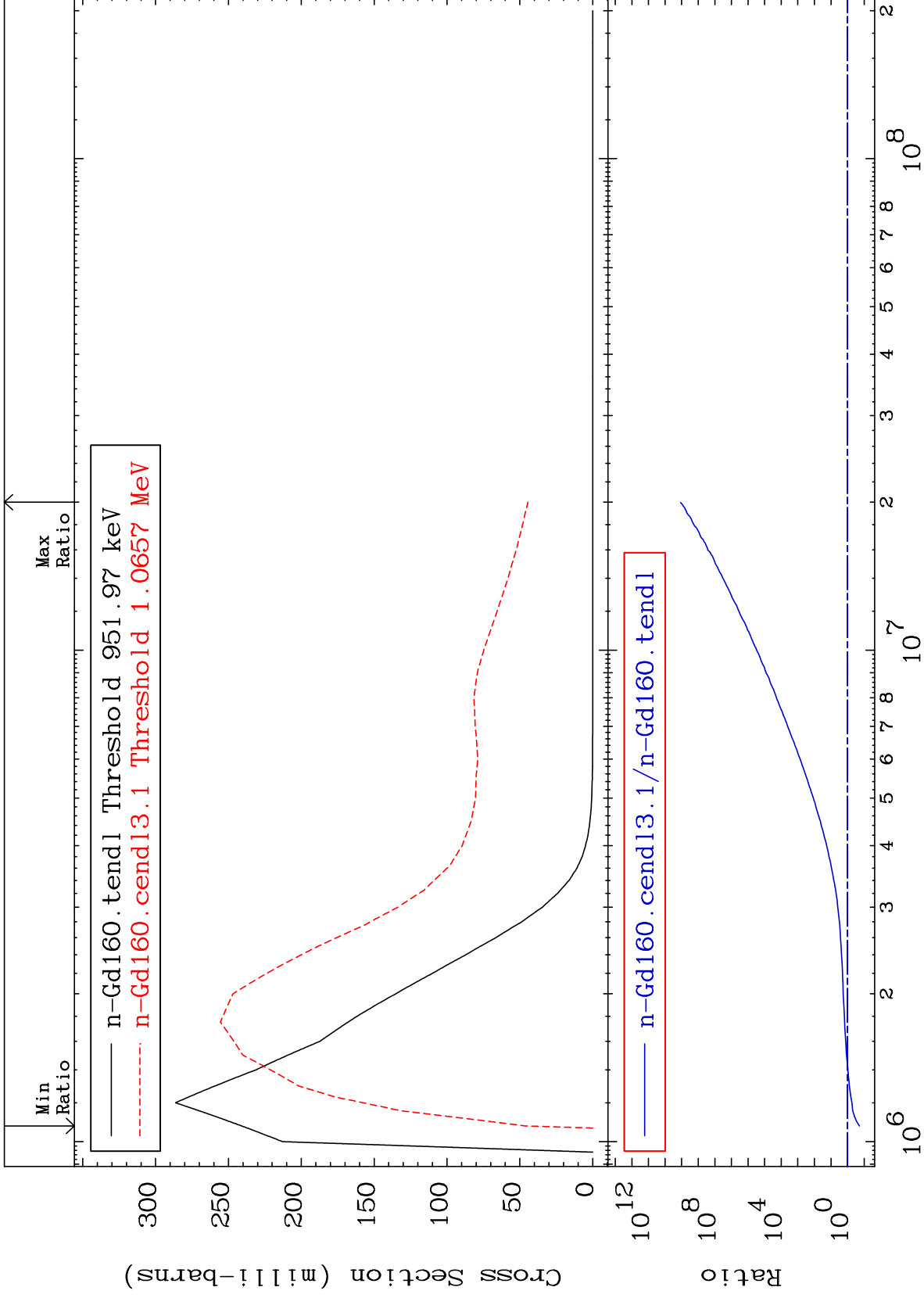
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 56 (n,n') Level
Cross Section

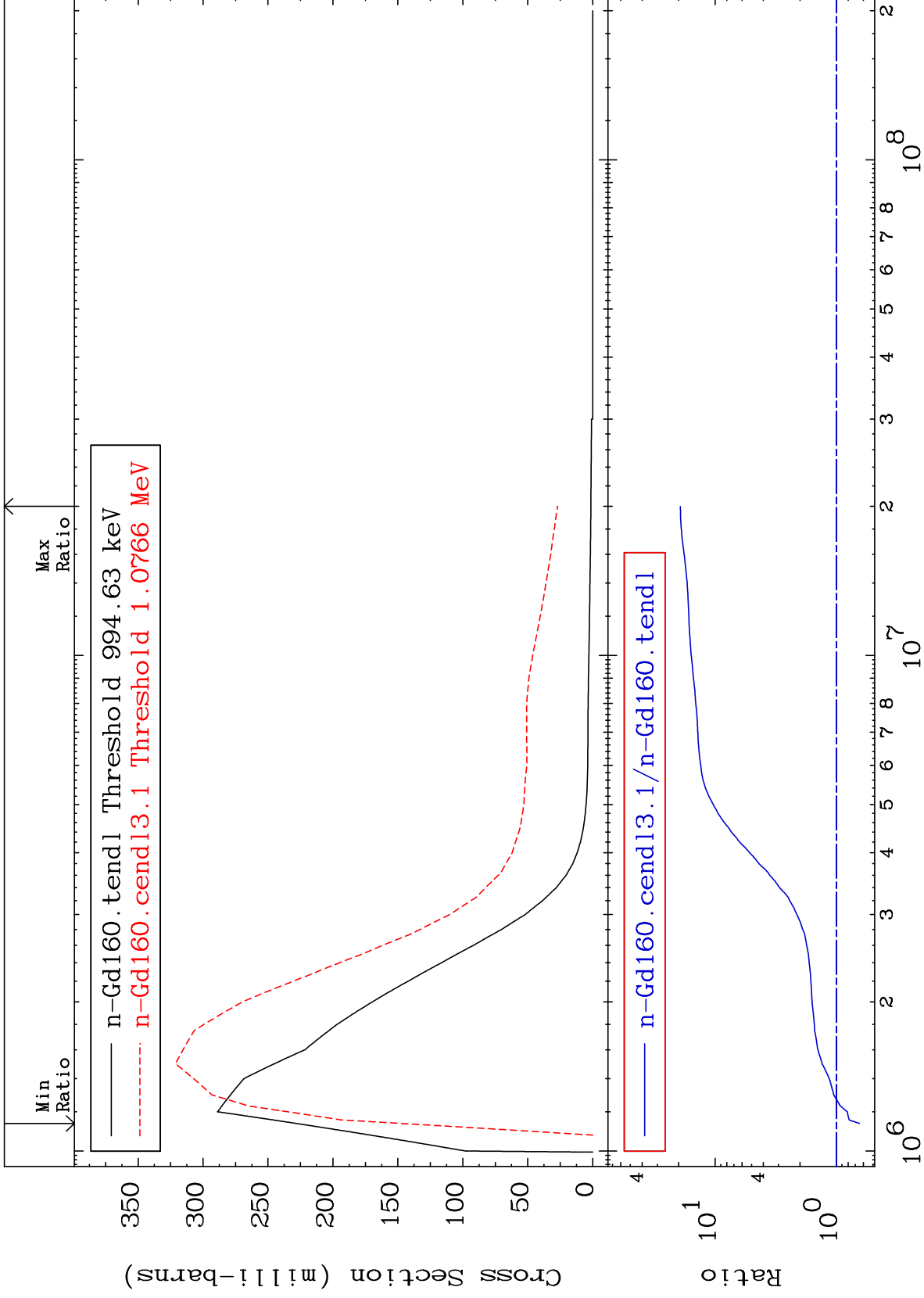
64-Gd-160
-80.74 To 9999. %



MAT 6449

MT= 57 (n,n') Level
Cross Section

64-Gd-160
-35.40 To 1835. %



14

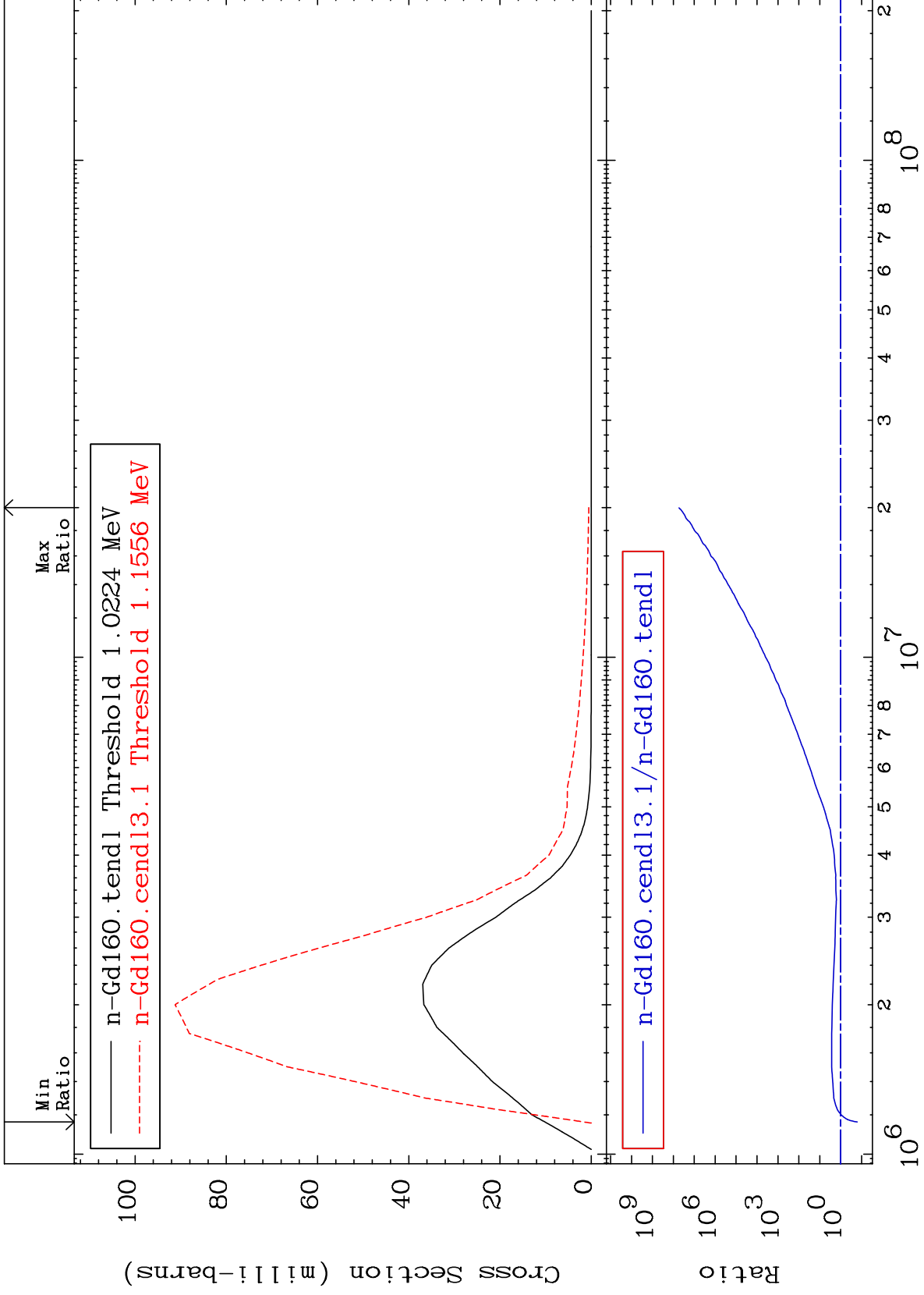
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 58 (n,n') Level
Cross Section

64-Gd-160
-83.93 To 9999. %



15

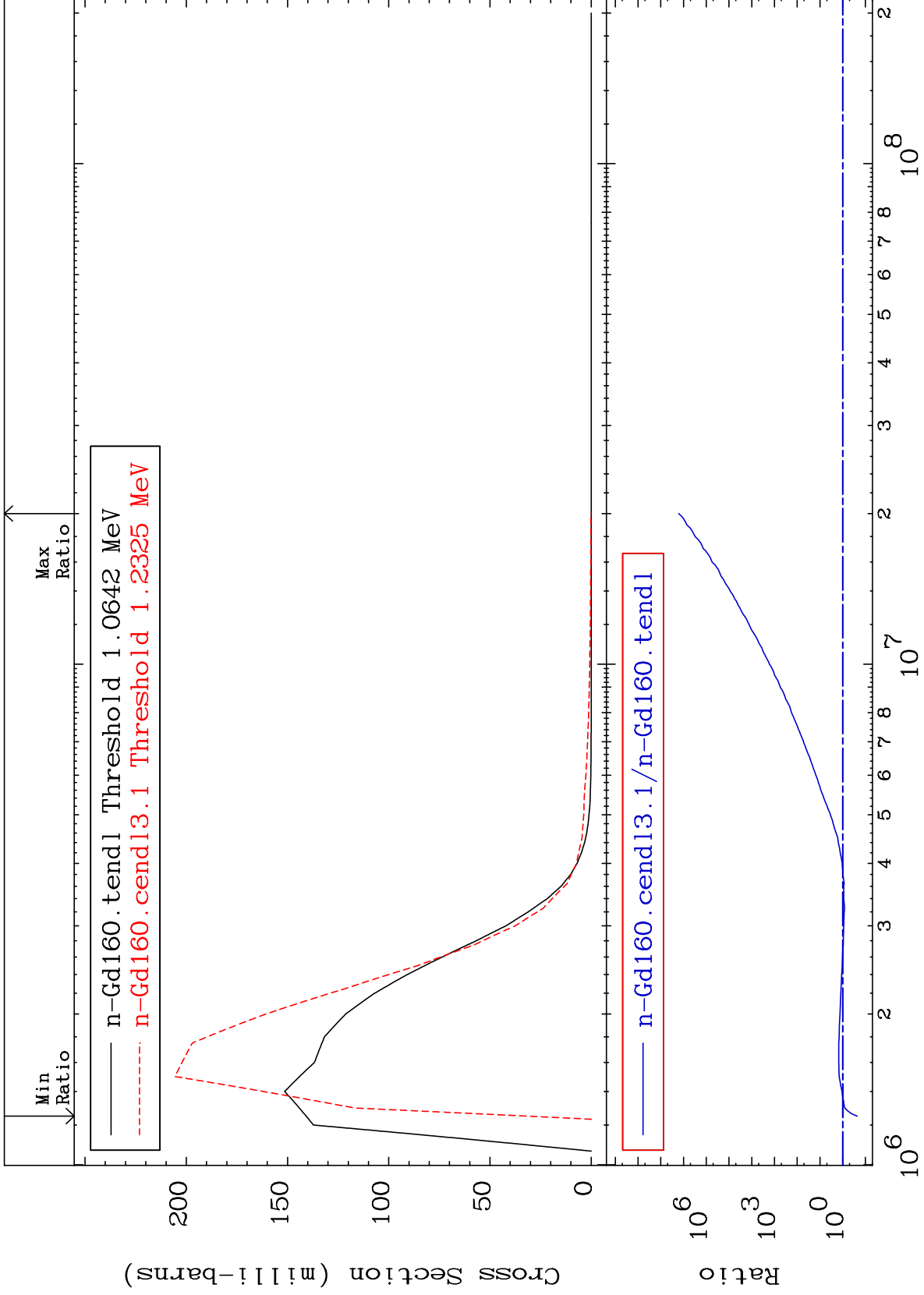
Incident Energy (eV)

64-Gd-160

MAT 6449

MT= 59 (n, n') Level
Cross Section

64-Gd-160
-77.14 To 9999. %



16

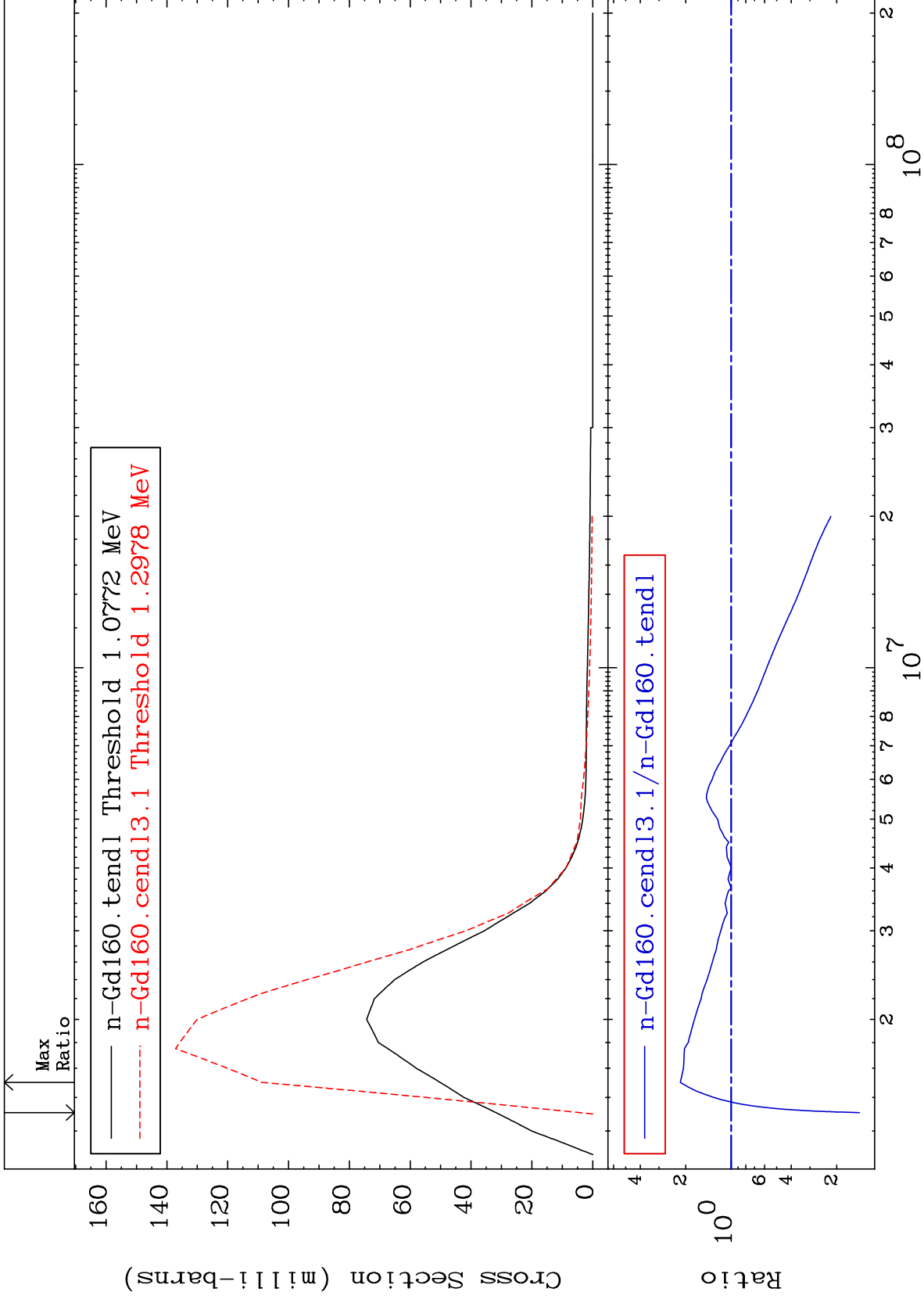
Incident Energy (eV)

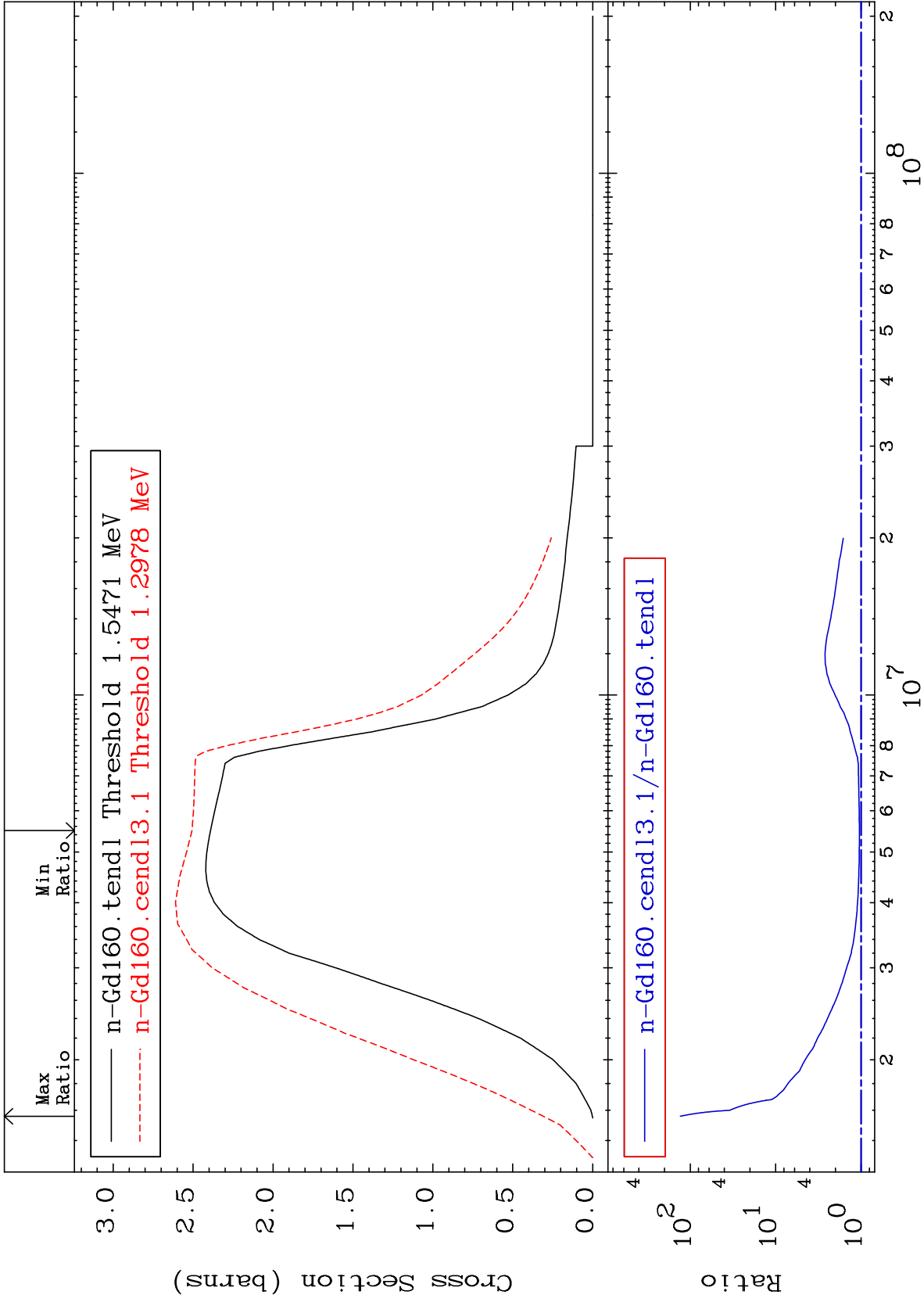
64-Gd-160

MAT 6449

MT= 60 (n,n') Level
Cross Section

64-Gd-160
-85.87 To 116.9 %





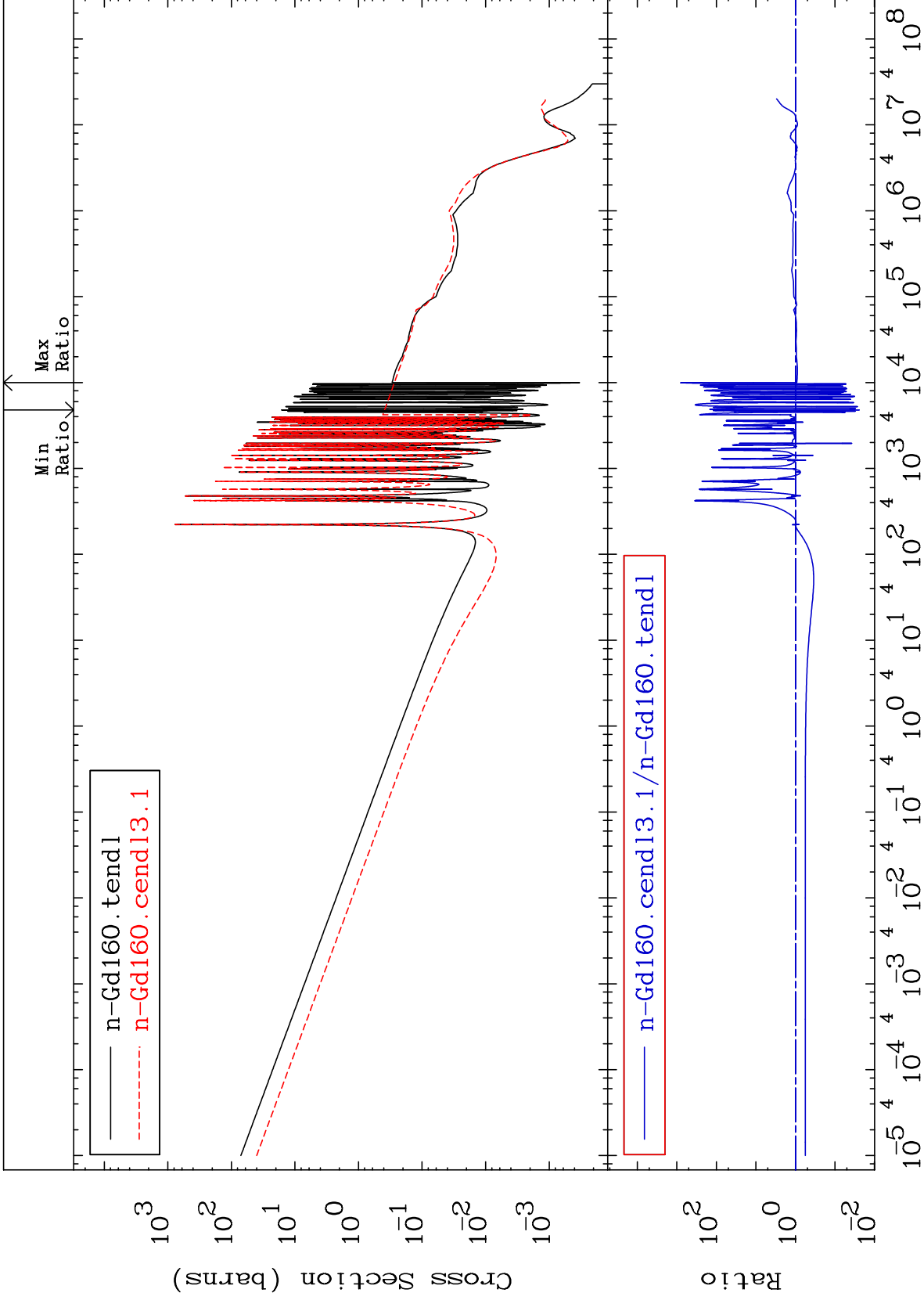
MAT 6449

(n, γ)

64-Gd-160

Cross Section

-97.59 To 9999. %



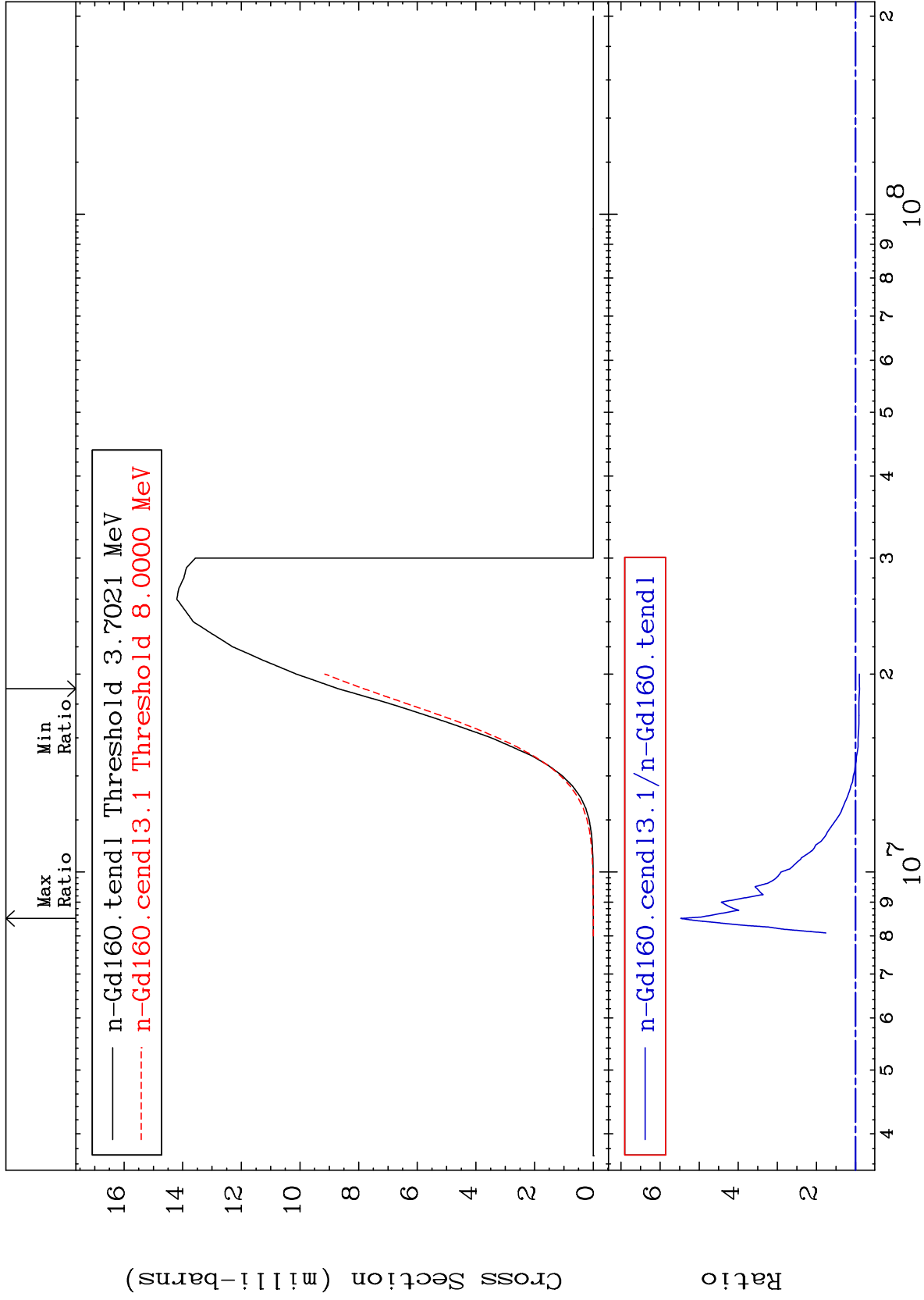
MAT 6449

(n,p)

64-Gd-160

Cross Section

-10.11 To 447.0 %



20

Incident Energy (eV)

64-Gd-160

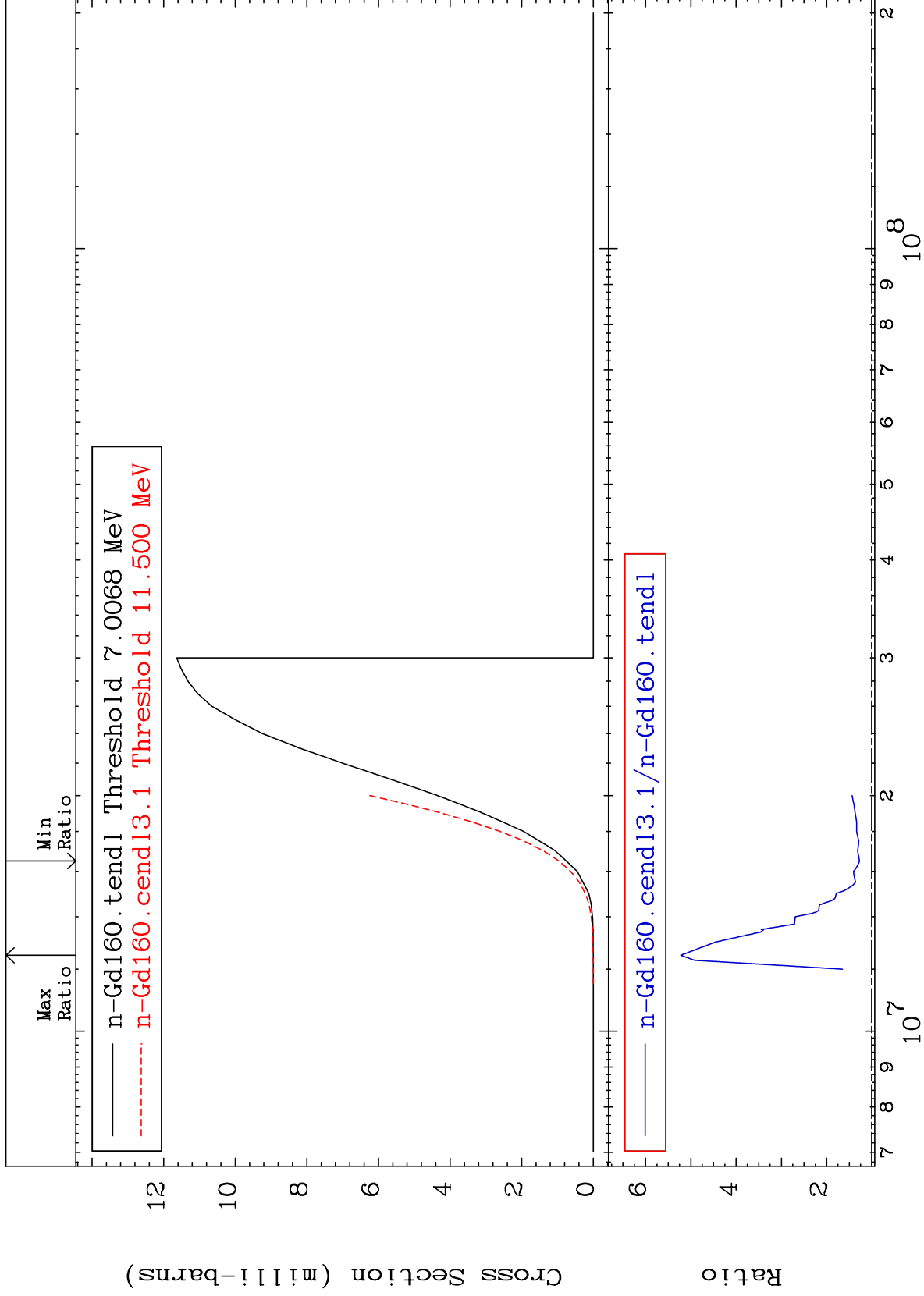
MAT 6449

(n, d)

64-Gd-160

Cross Section

27.30 To 422.3 %



21

64-Gd-160

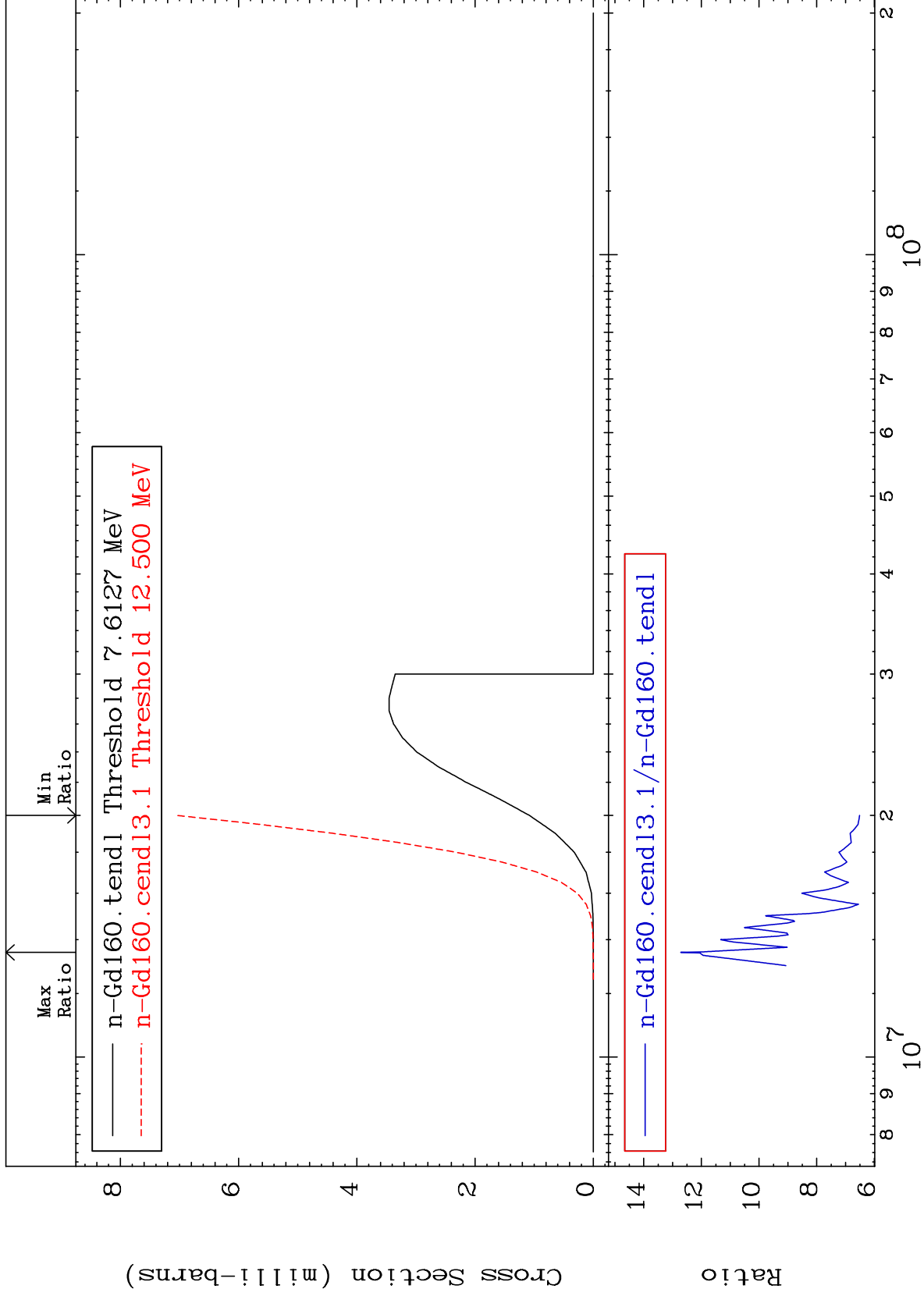
MAT 6449

(n, t)

64-Gd-160

Cross Section

551.6 To 1172. %



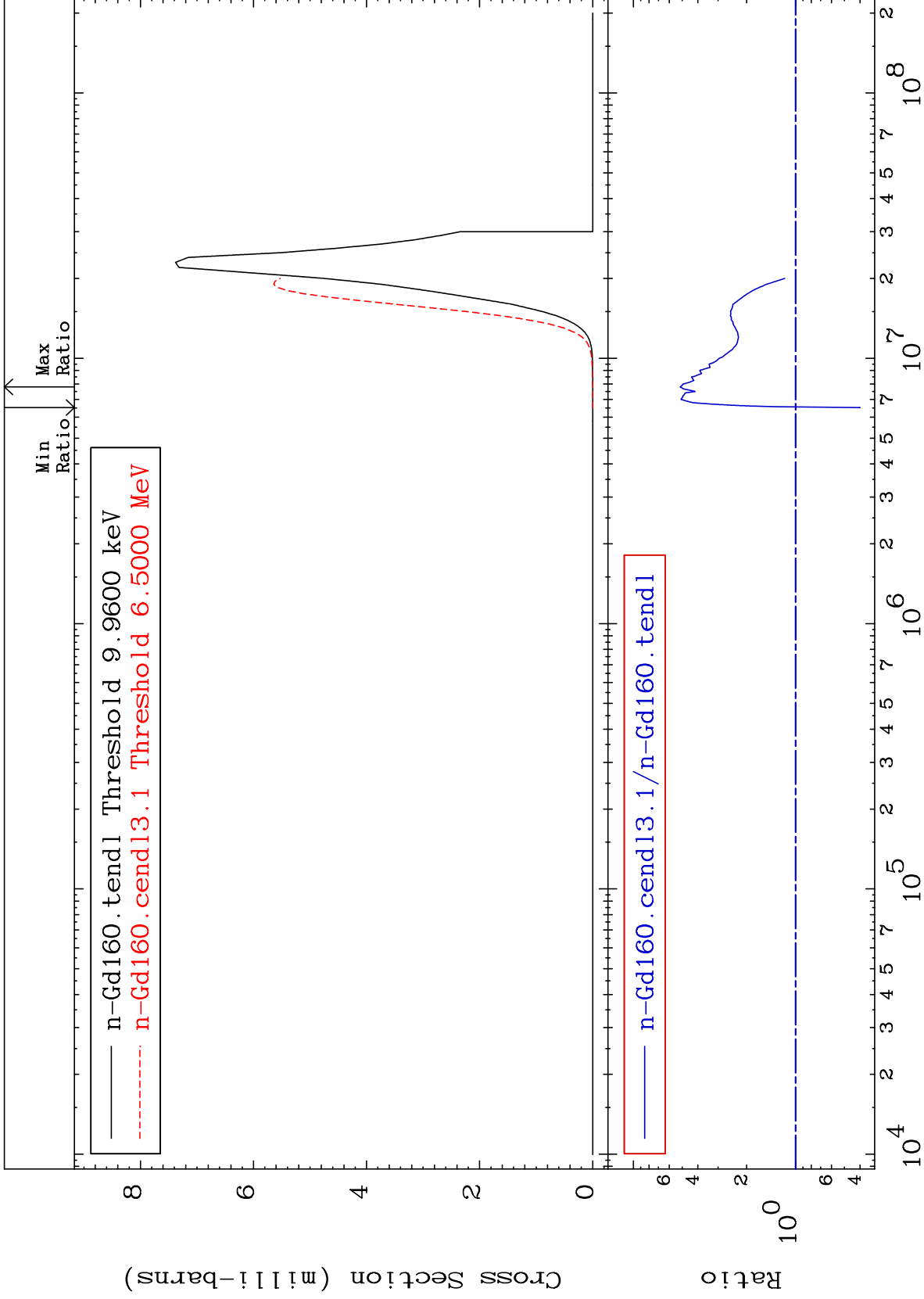
MAT 6449

(n, α)

64-Gd-160

Cross Section

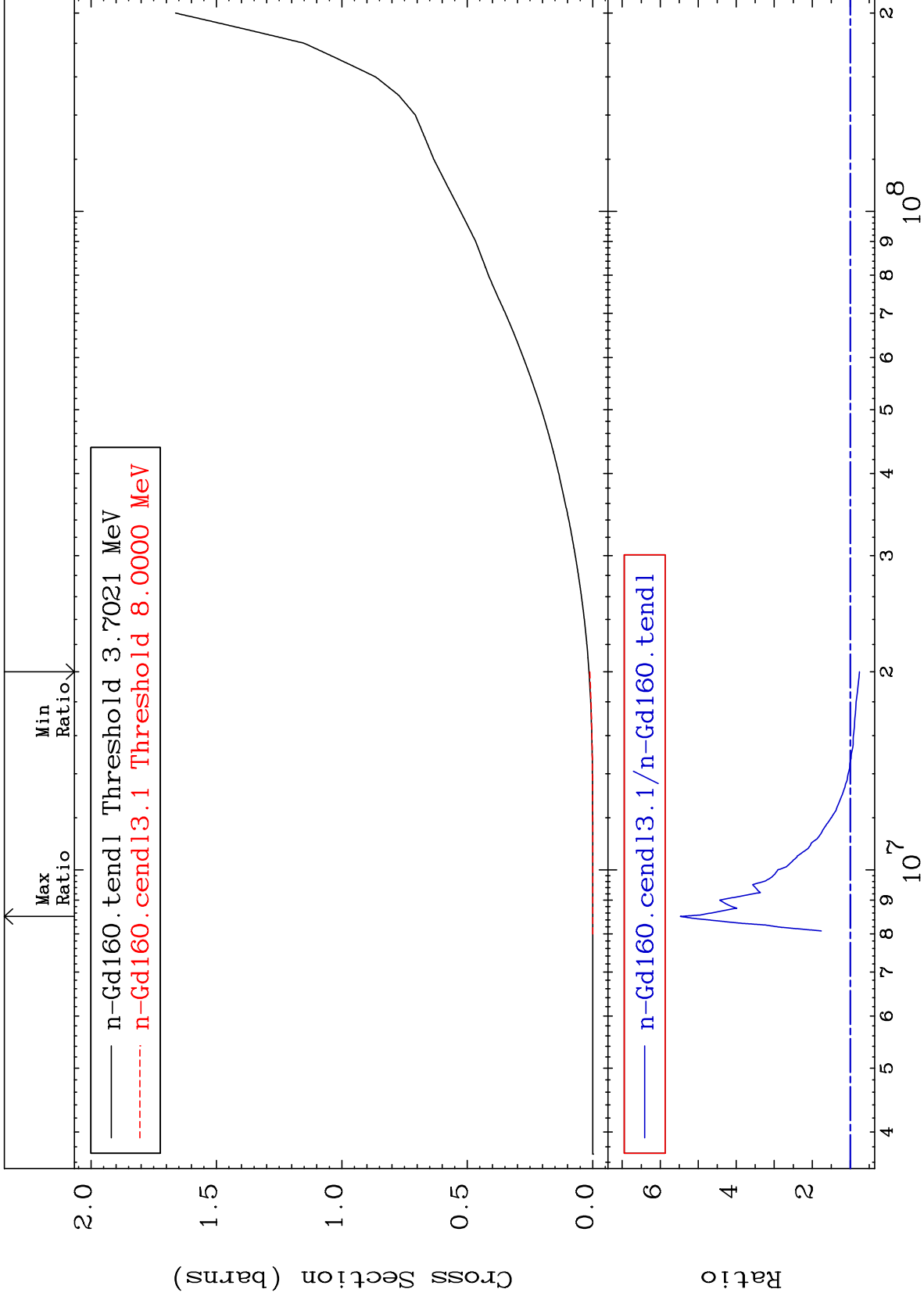
-59.64 To 413.0 %



MAT 6449

Hydrogen Production
Cross Section

64-Gd-160
-24.16 To 447.0 %



24

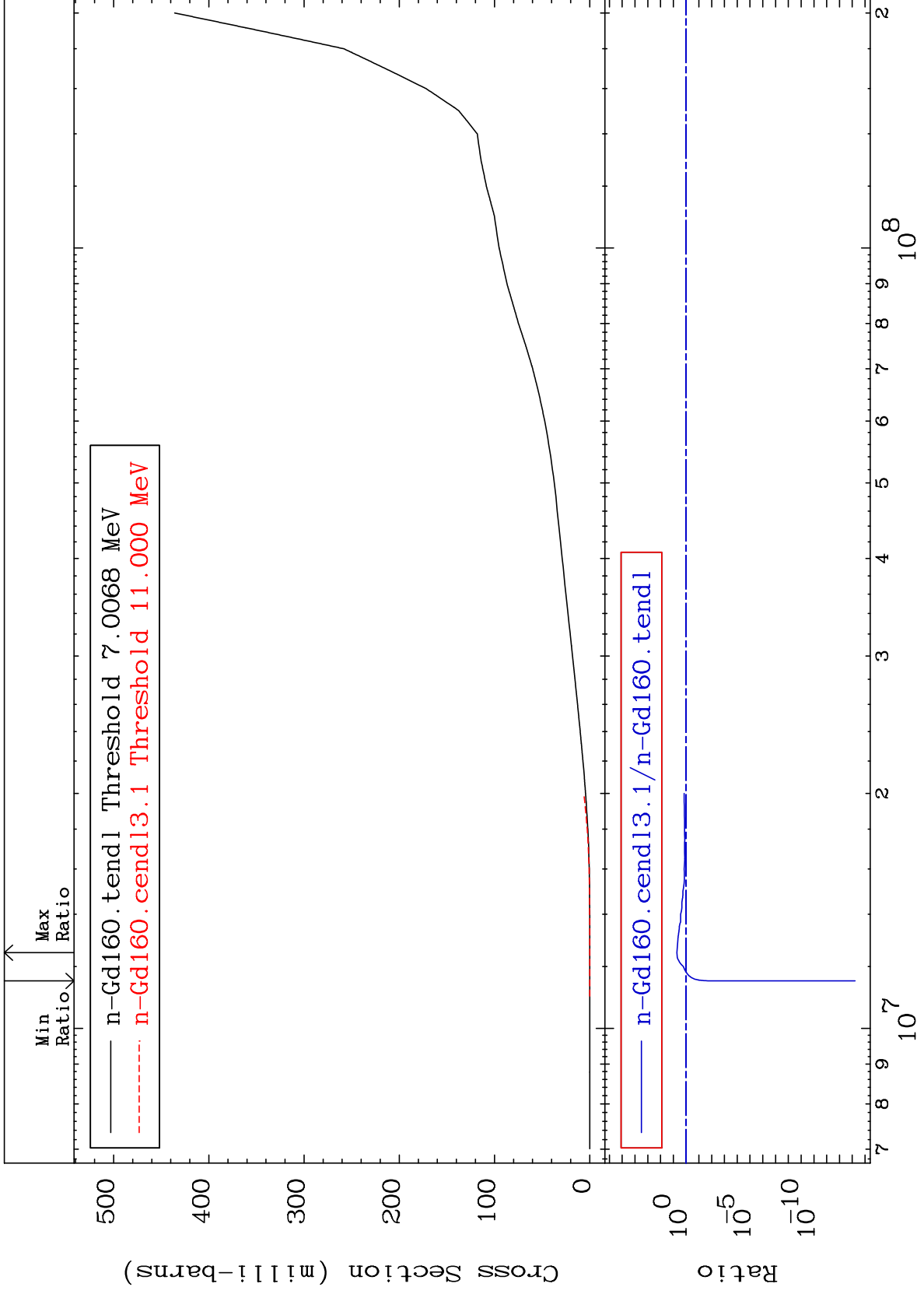
Incident Energy (eV)

64-Gd-160

MAT 6449

Deuterium Production
Cross Section

64-Gd-160
-100.0 To 422.3 %



25

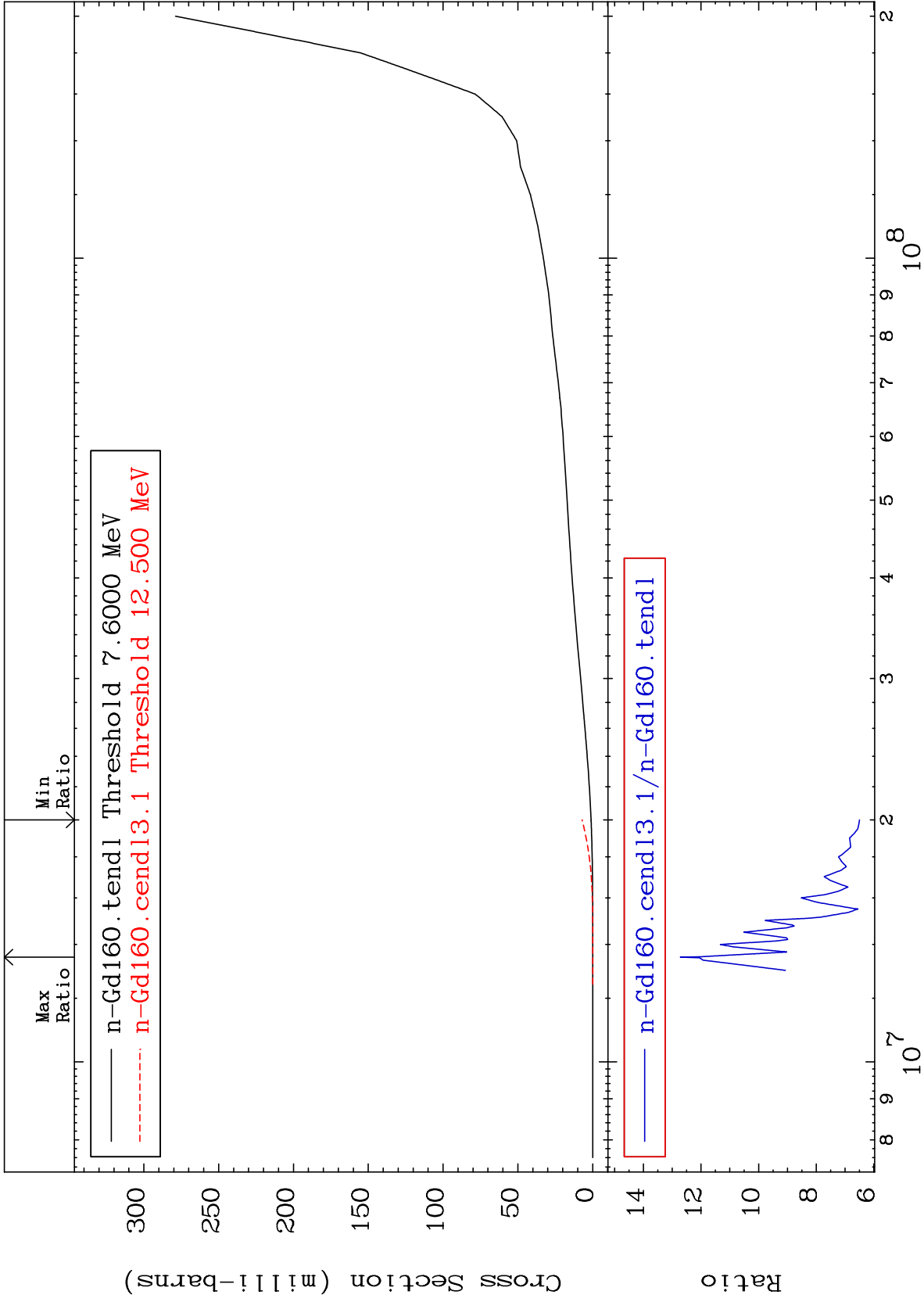
Incident Energy (eV)

64-Gd-160

MAT 6449

Tritium Production
Cross Section

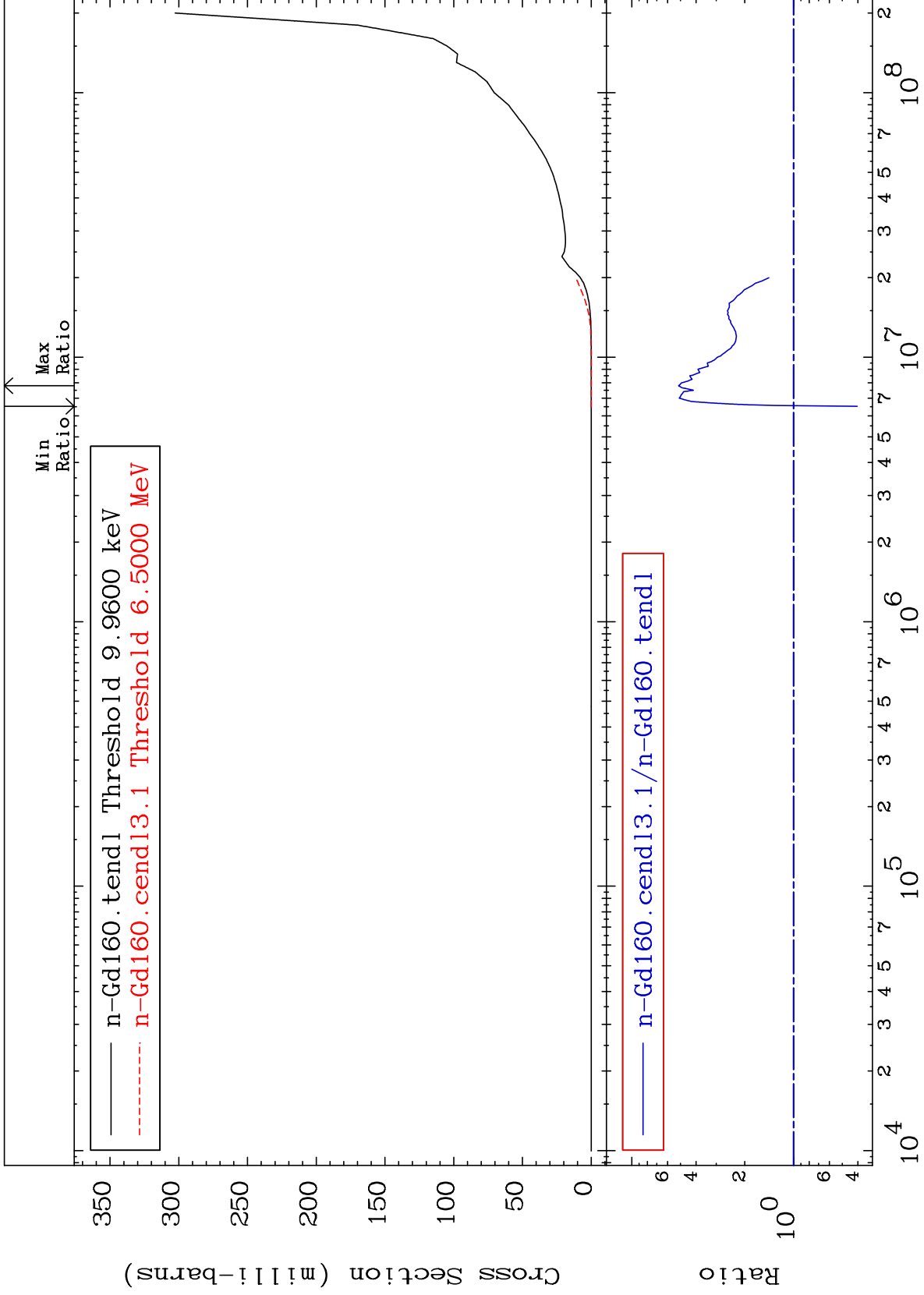
64-Gd-160
To 1172. %
550.1



MAT 6449

He-4 Production
Cross Section

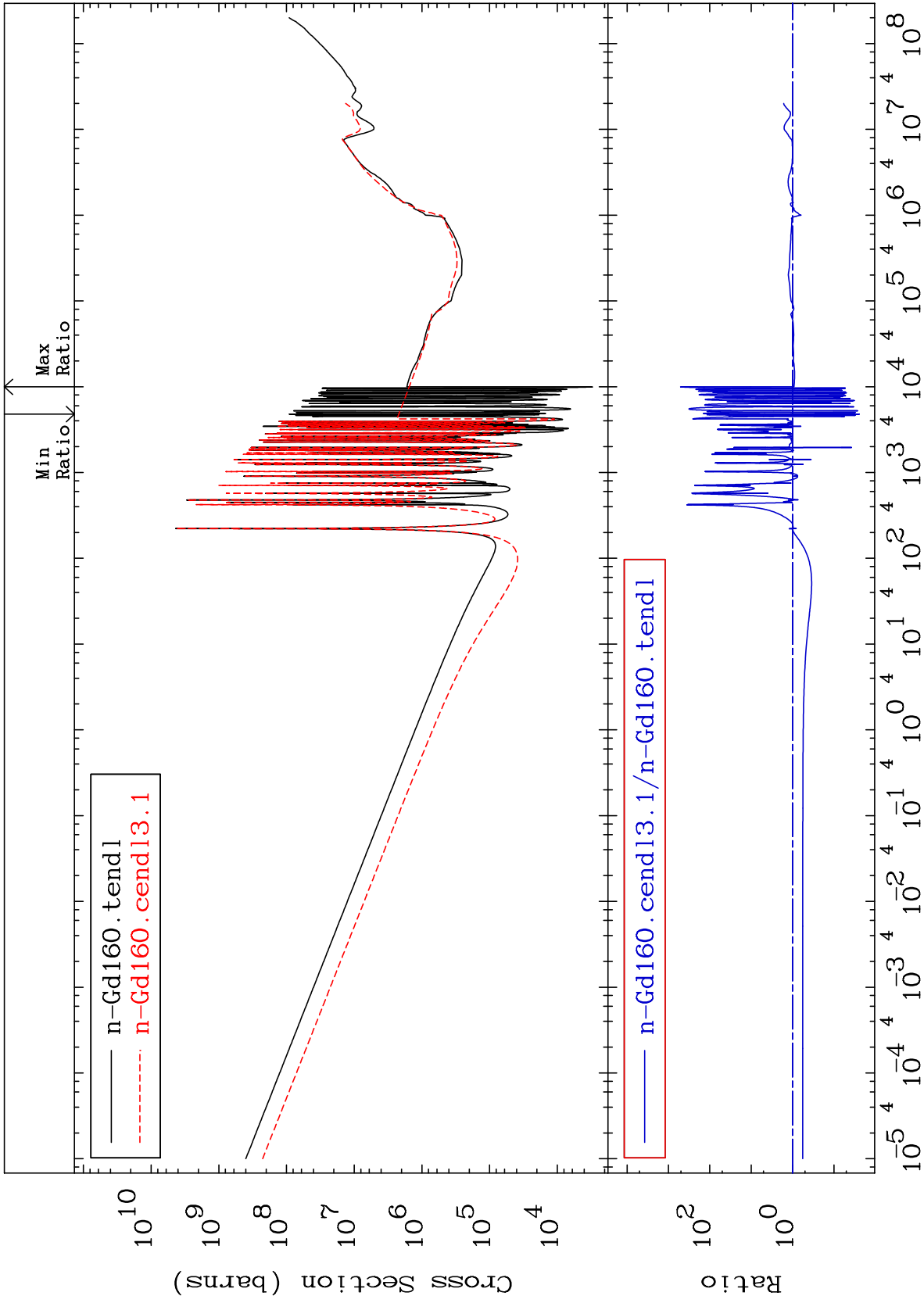
64-Gd-160
-59.64 To 413.0 %



27

Incident Energy (eV)

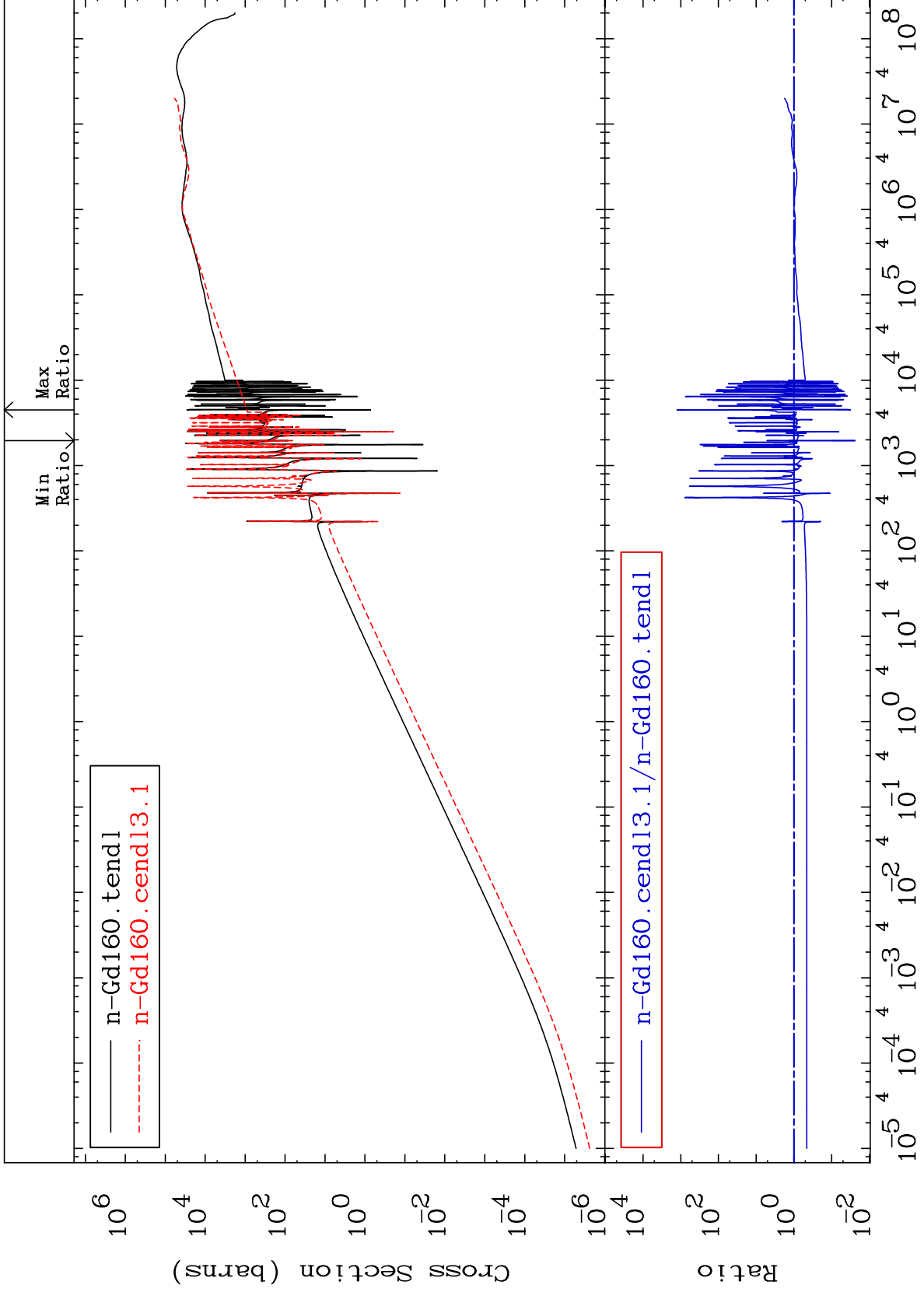
64-Gd-160

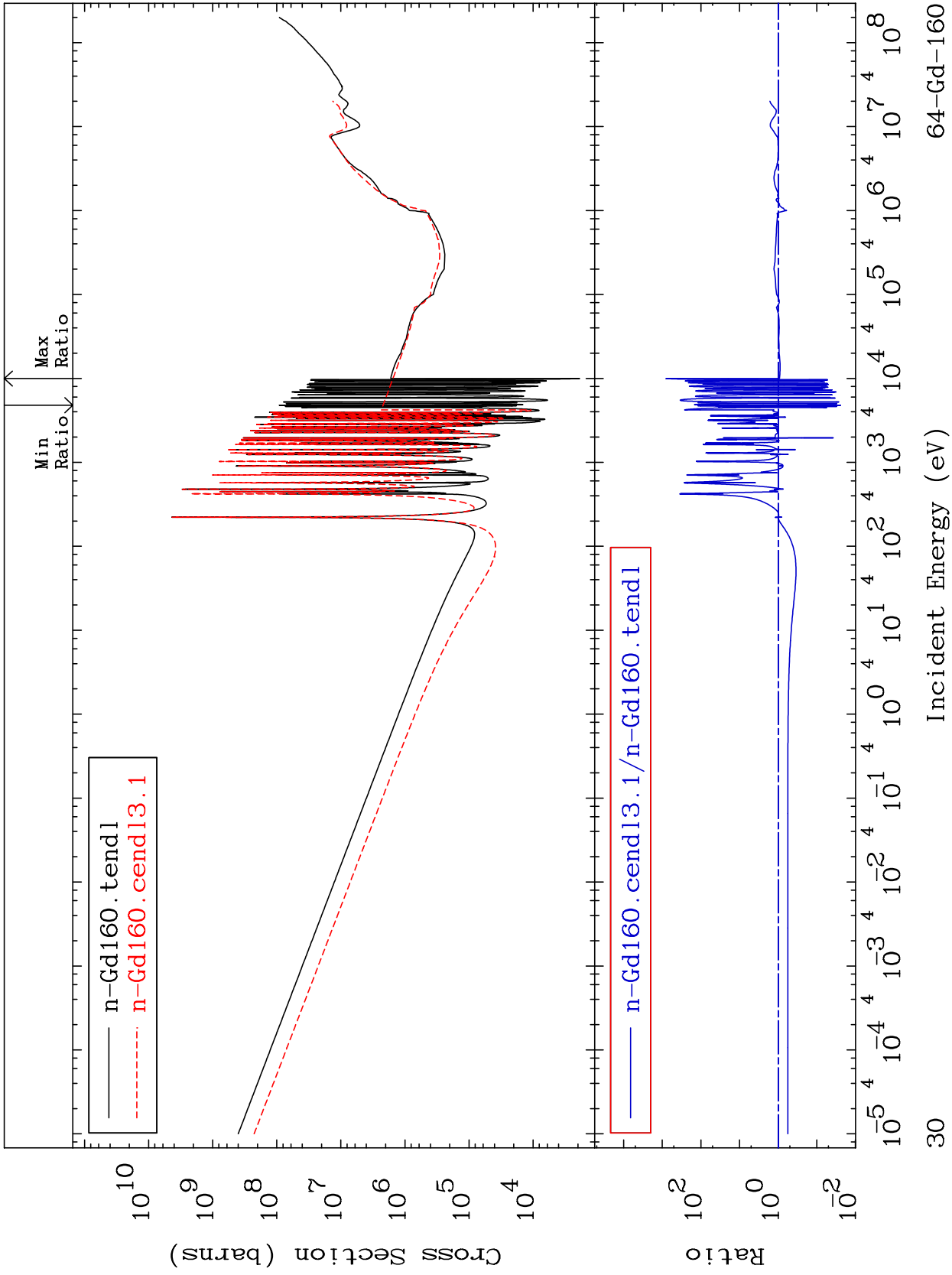


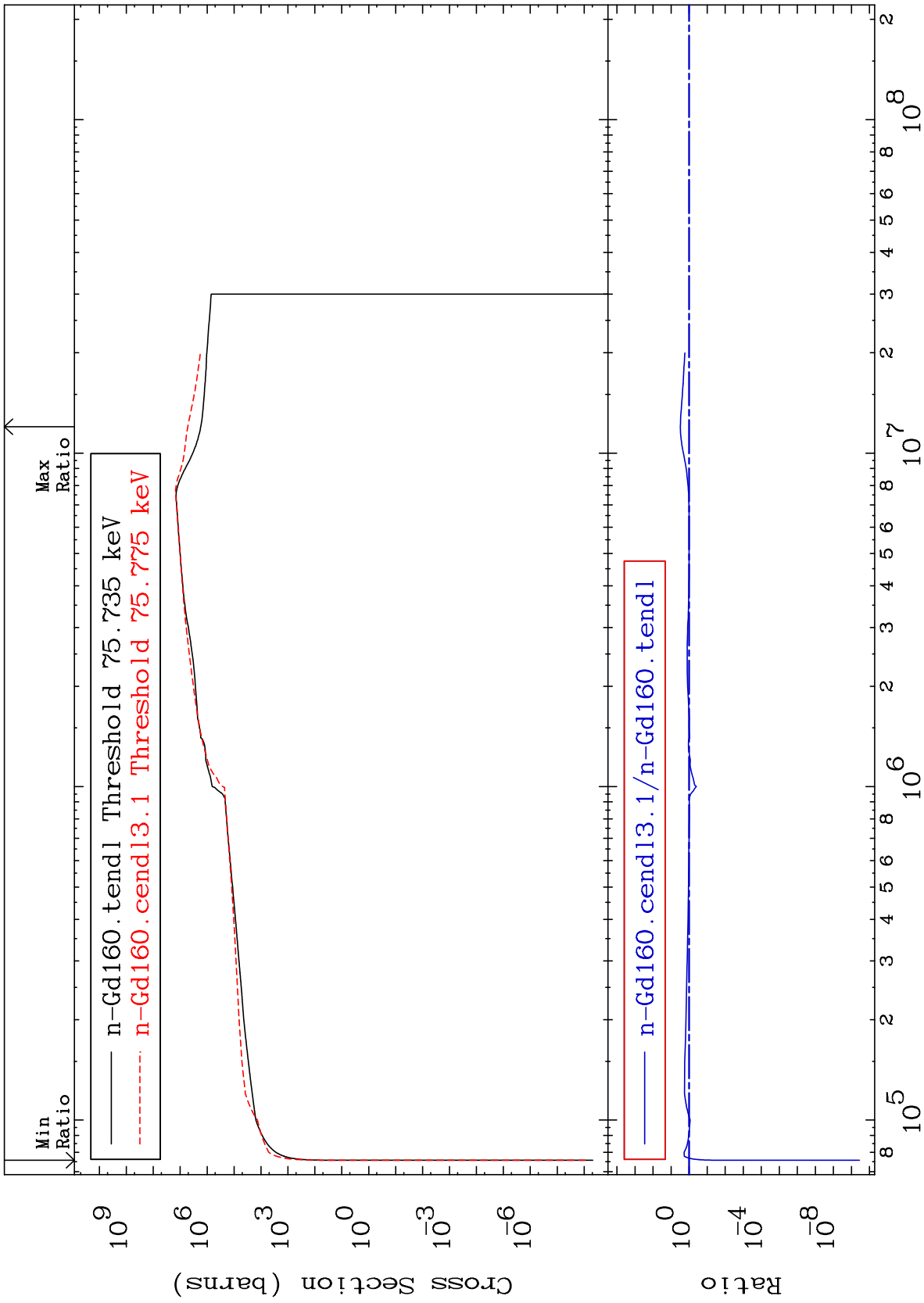
MAT 6449

Kerma elastic
Cross Section

64-Gd-160
-97.60 To 9999. %



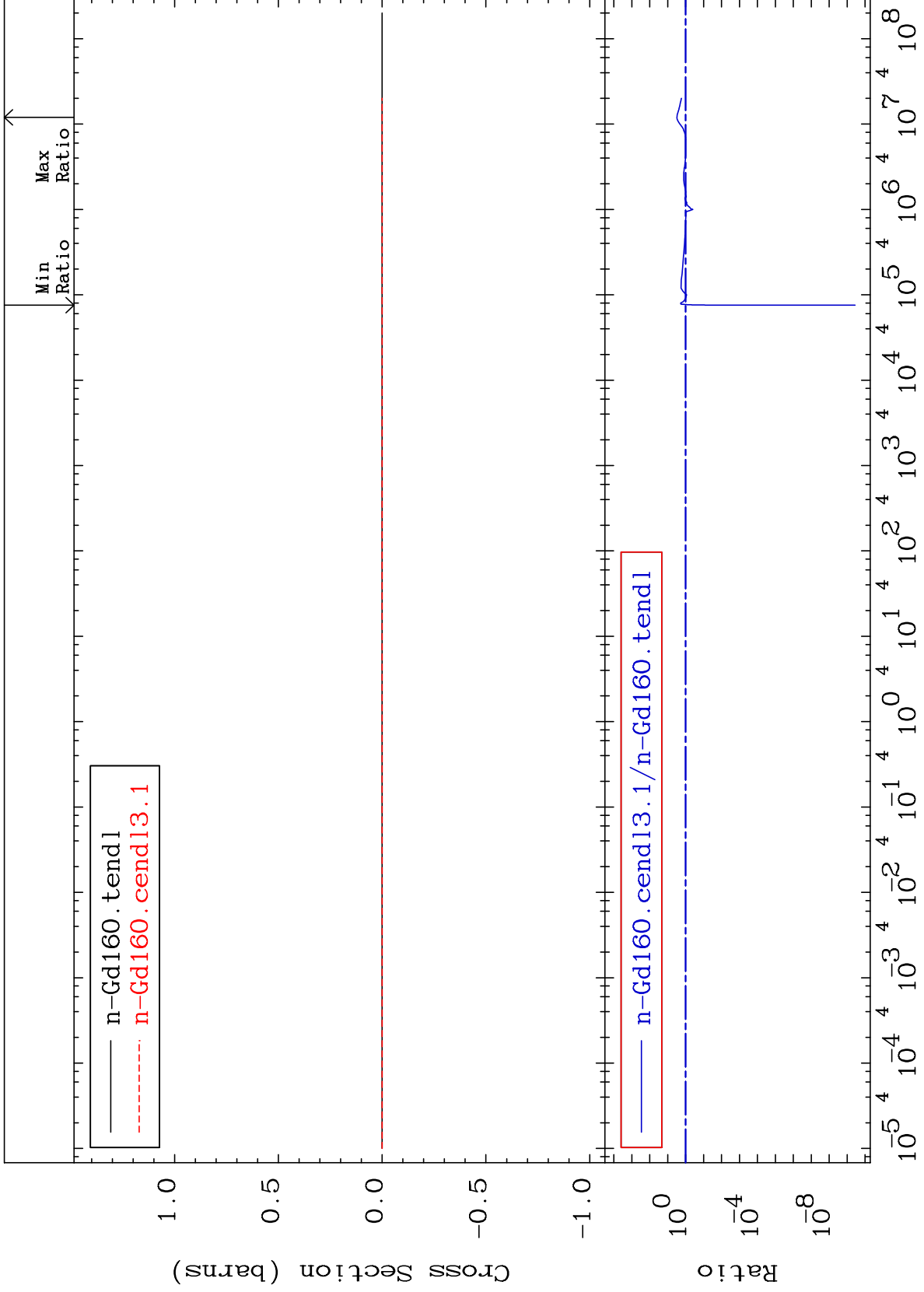




MAT 6449

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

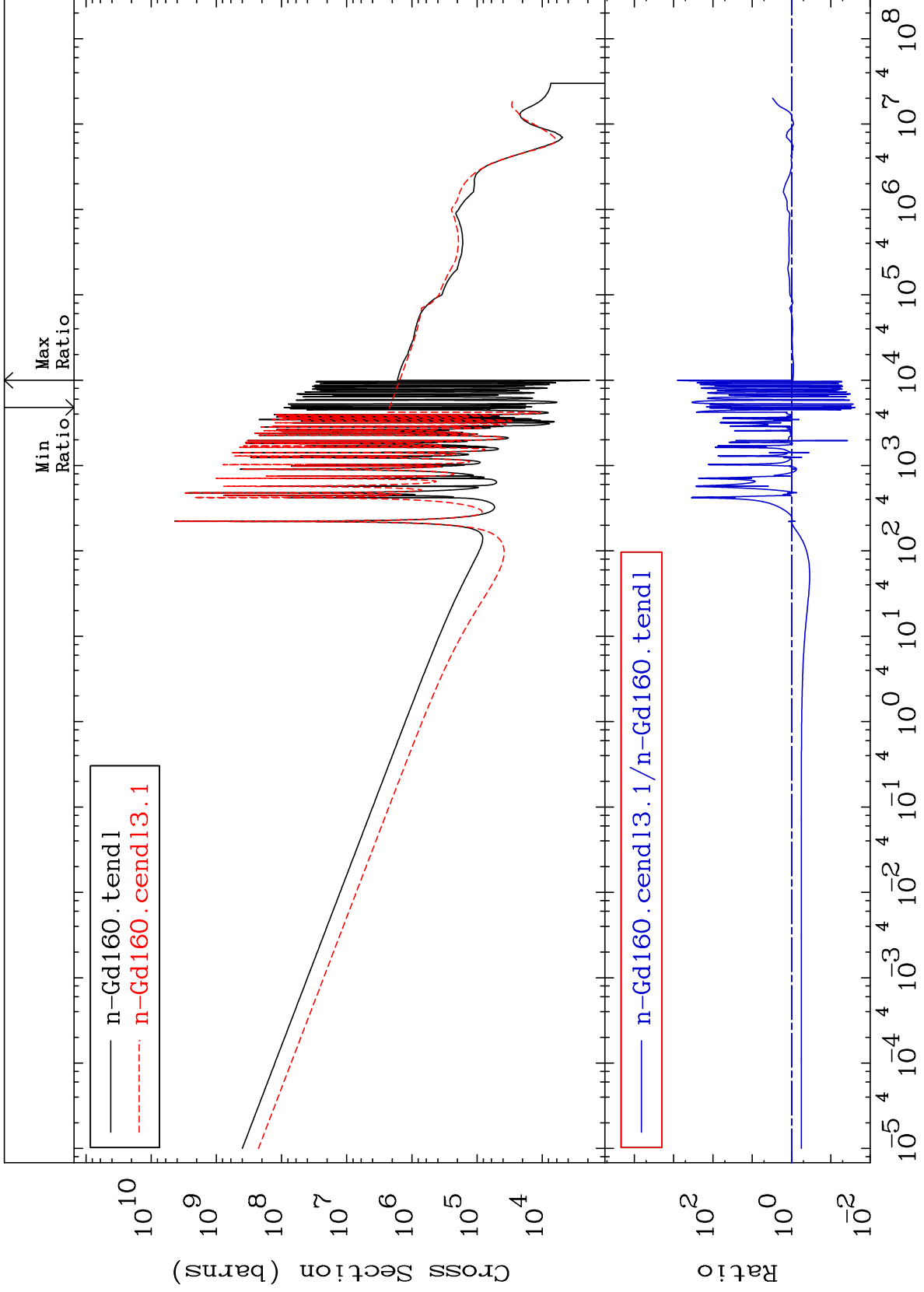
64-Gd-160
-100.0 To 204.9 %



MAT 6449

Kerma capture (mt102)
Cross Section

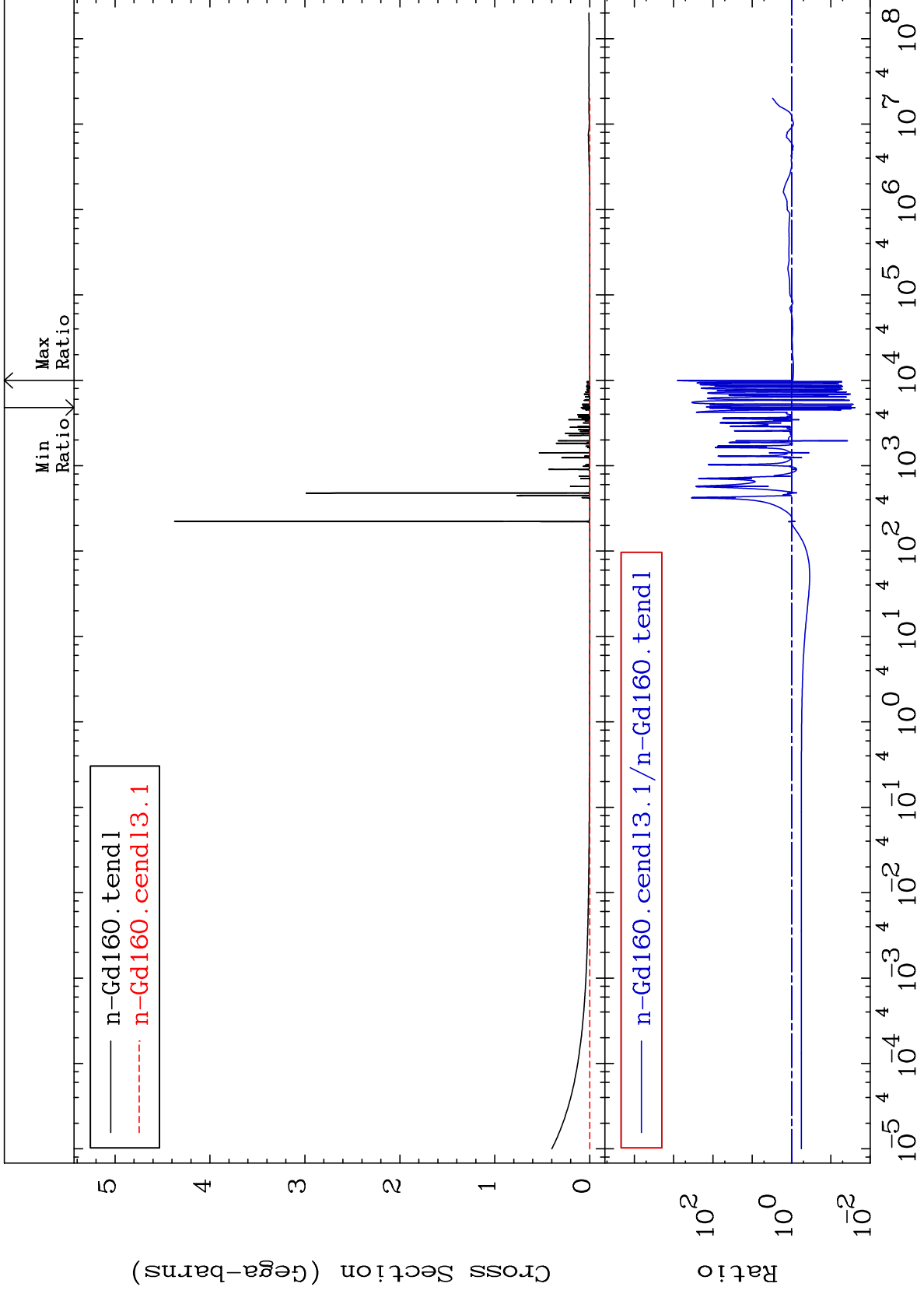
64-Gd-160
-97.59 To 9999. %



MAT 6449

Total photon (eV-barns)
Cross Section

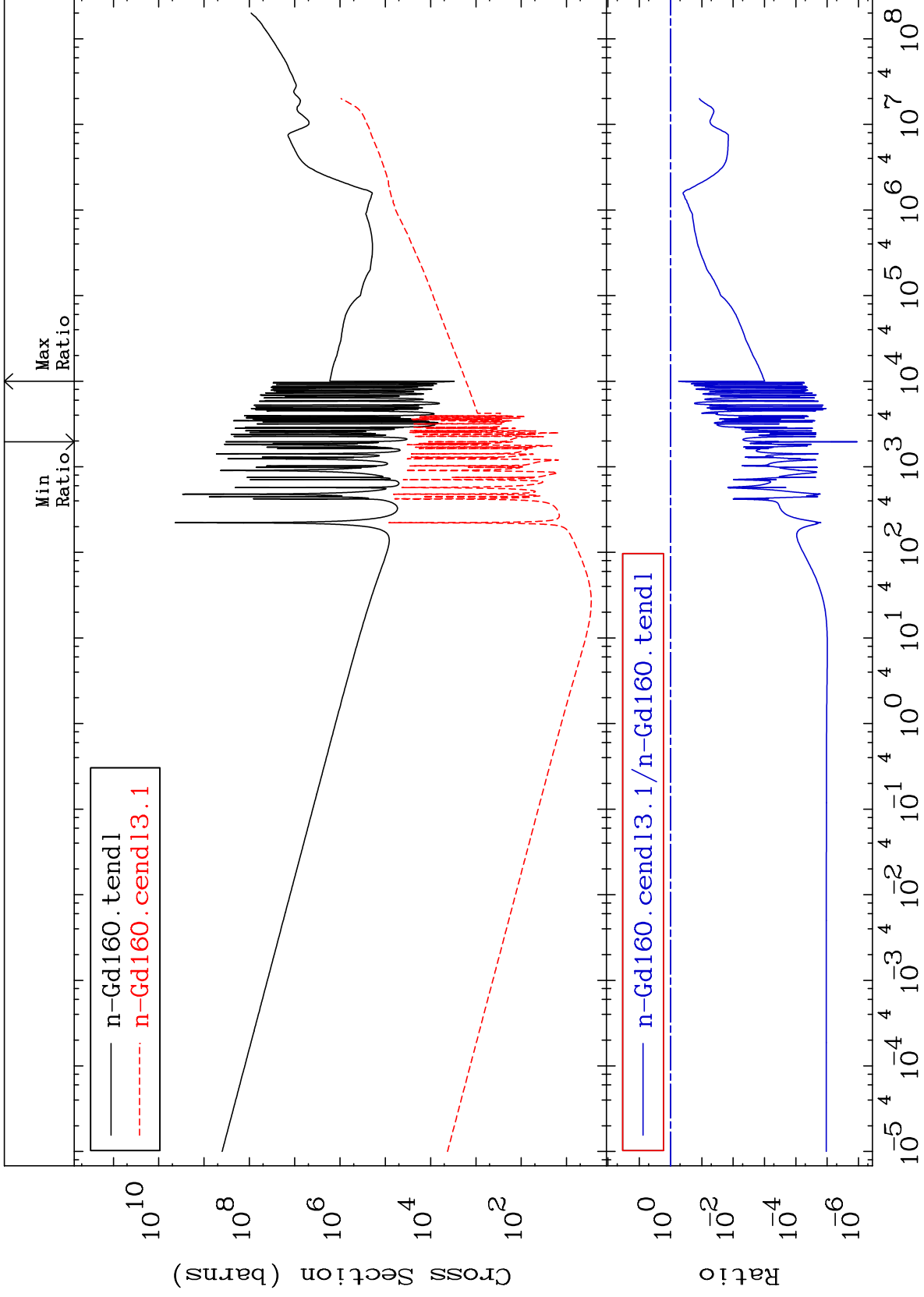
64-Gd-160
-97.59 To 9999. %

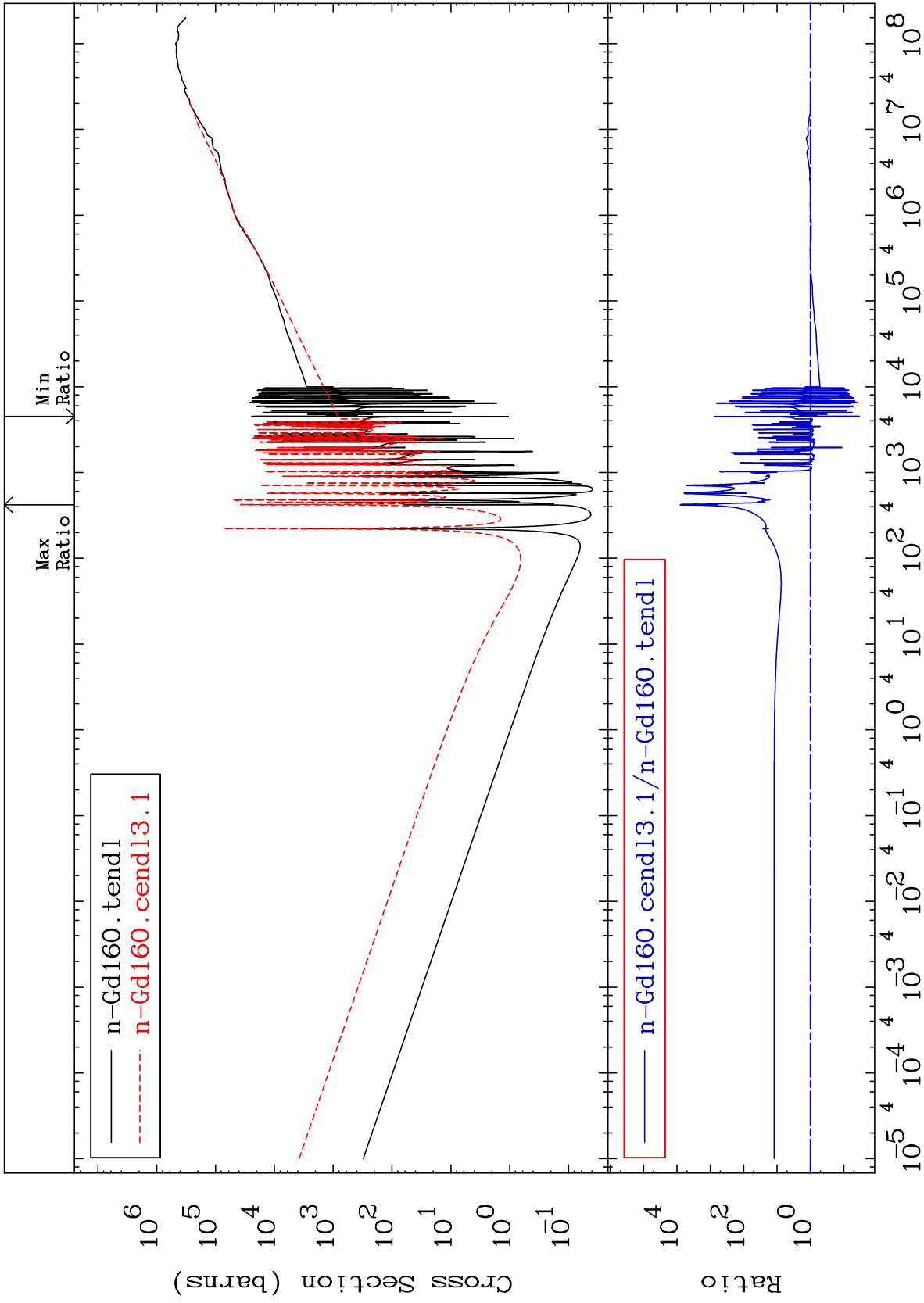


34

Incident Energy (eV)

64-Gd-160

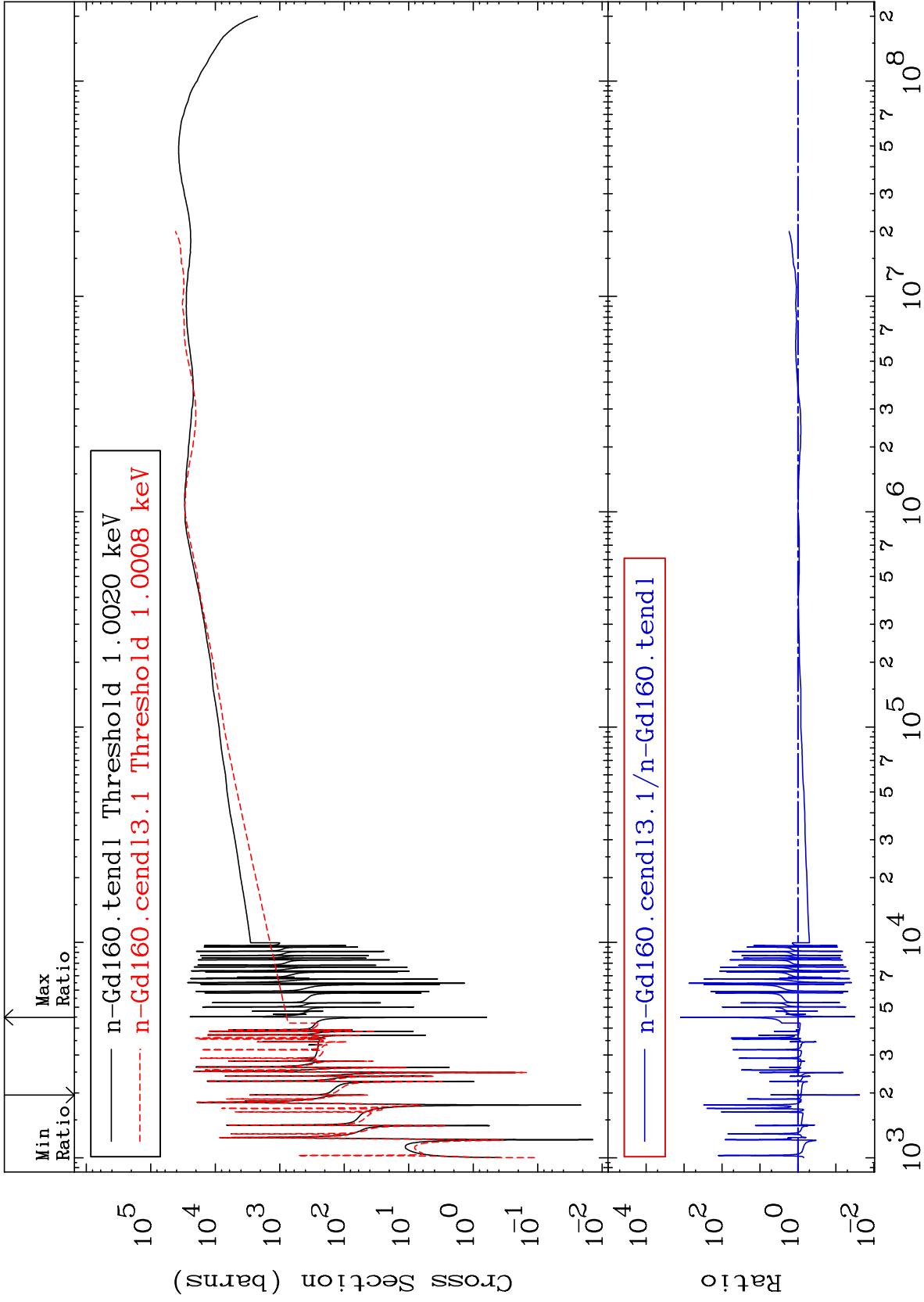




MAT 6449

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 123.7 %

