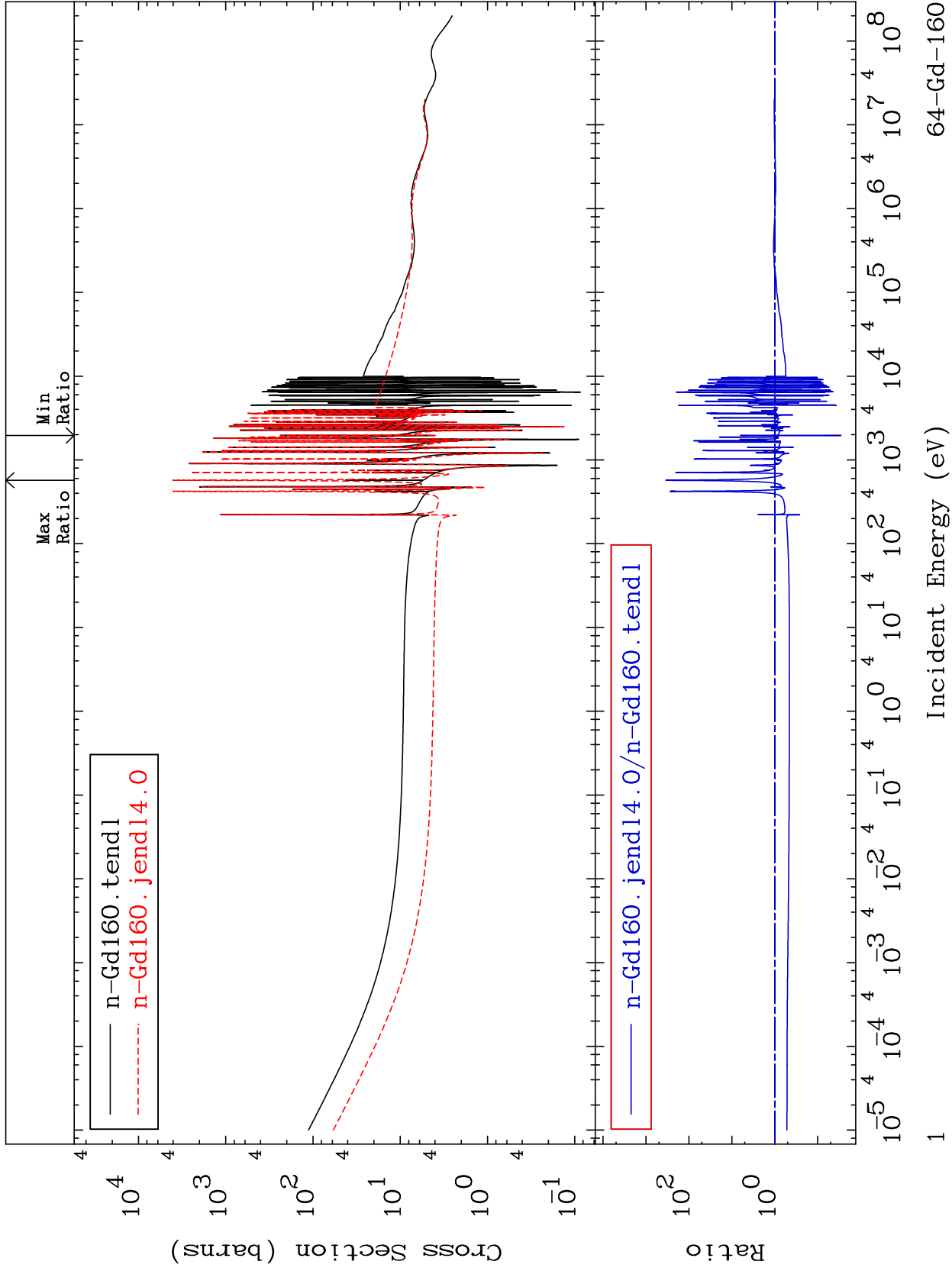


MAT 6449

64-Gd-160

-97.11 To 9999. %

Total
Cross Section



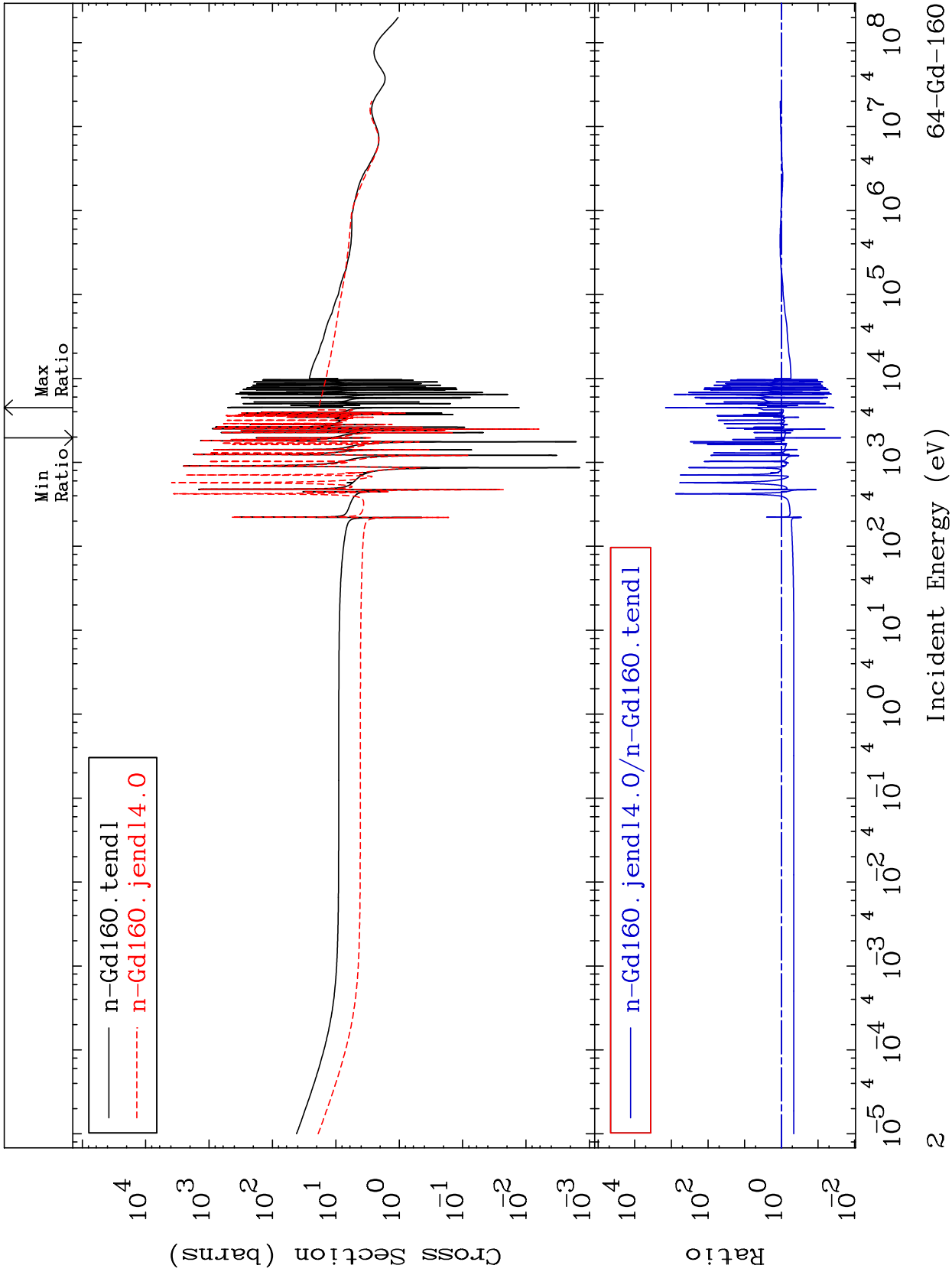
64-Gd-160

Incident Energy (eV)

MAT 6449

Elastic
Cross Section

64-Gd-160
-97.60 To 9999. %



64-Gd-160

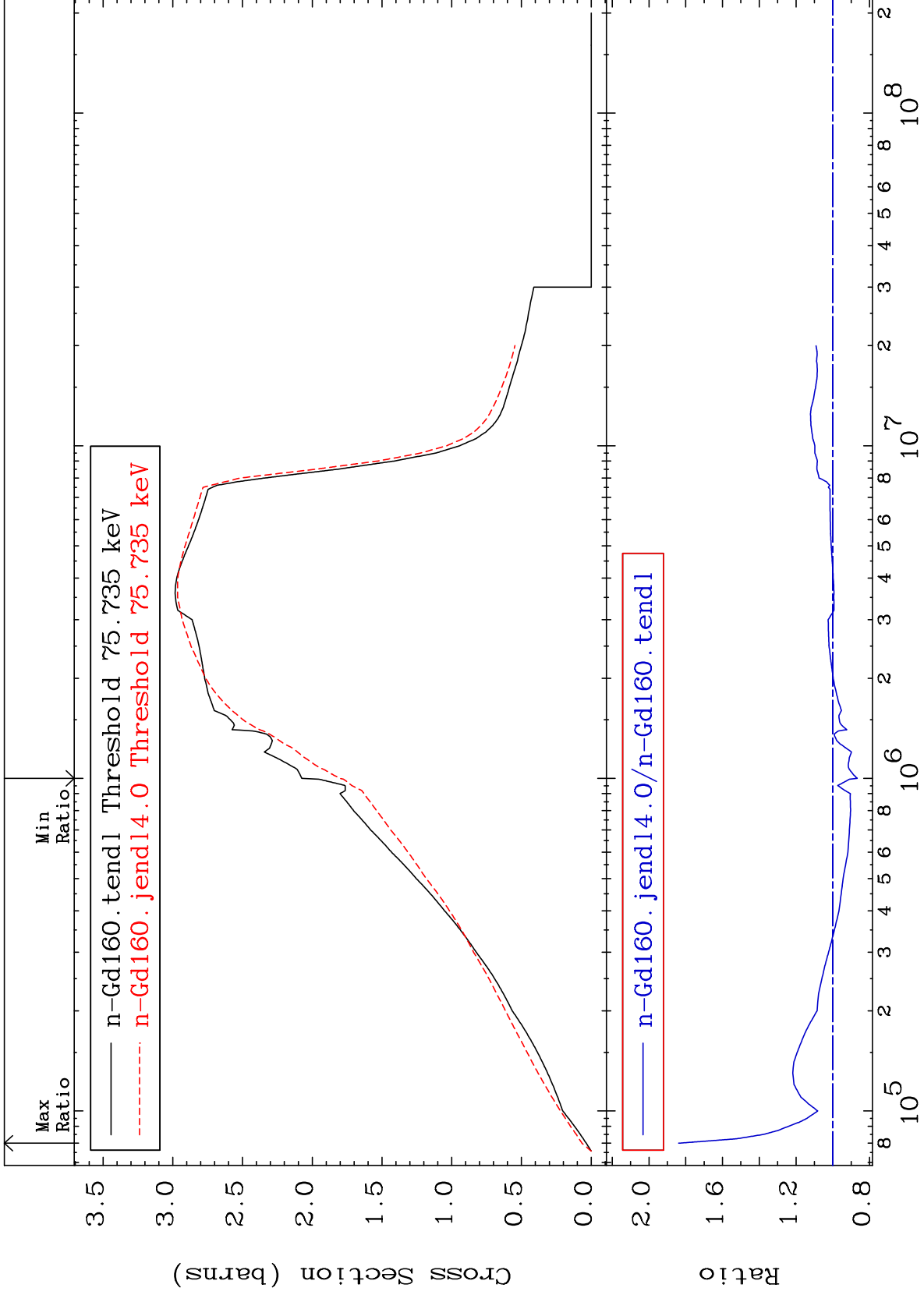
Incident Energy (eV)

2

MAT 6449

Inelastic
Cross Section

64-Gd-160
-13.32 To 83.85 %



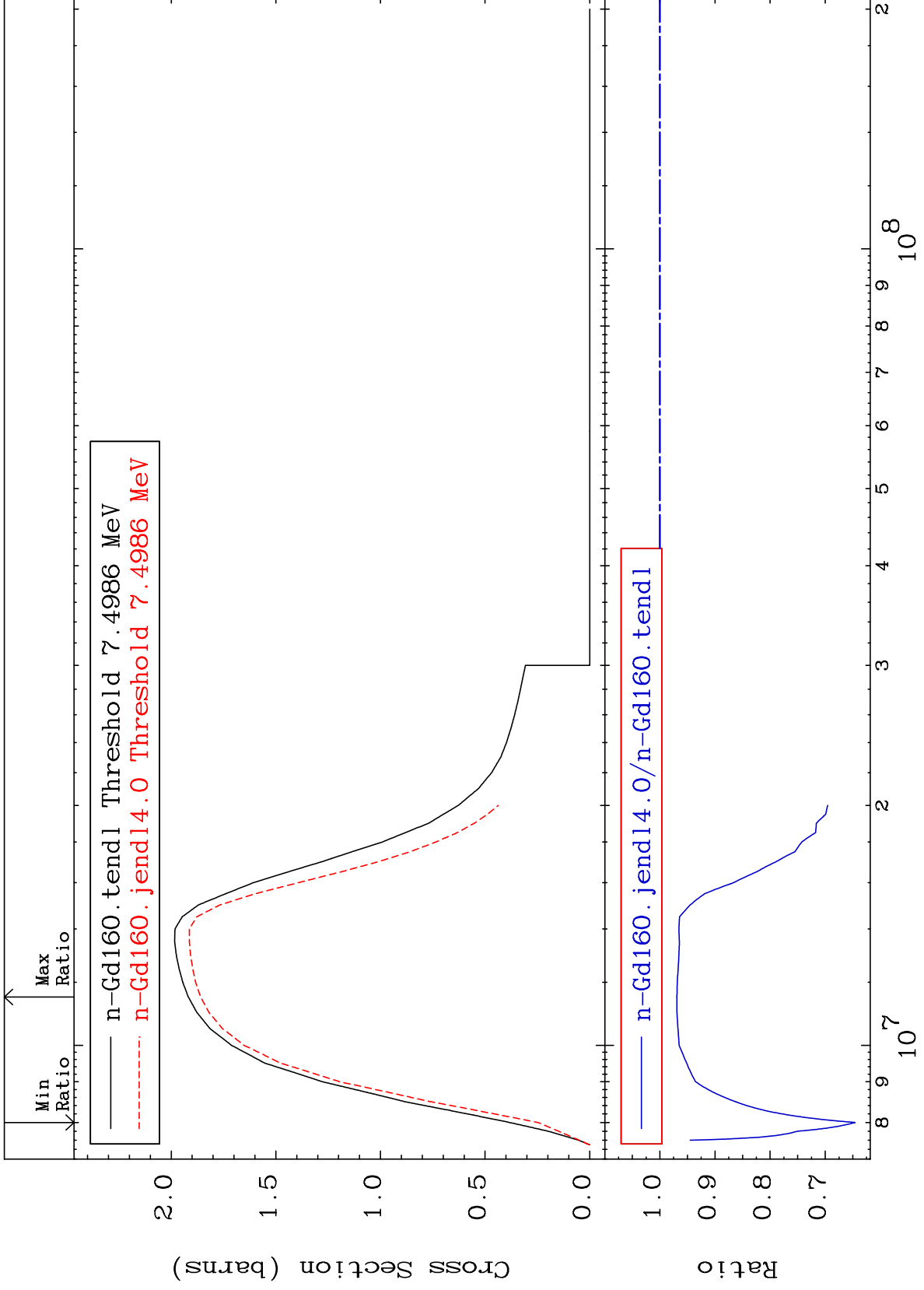
MAT 6449

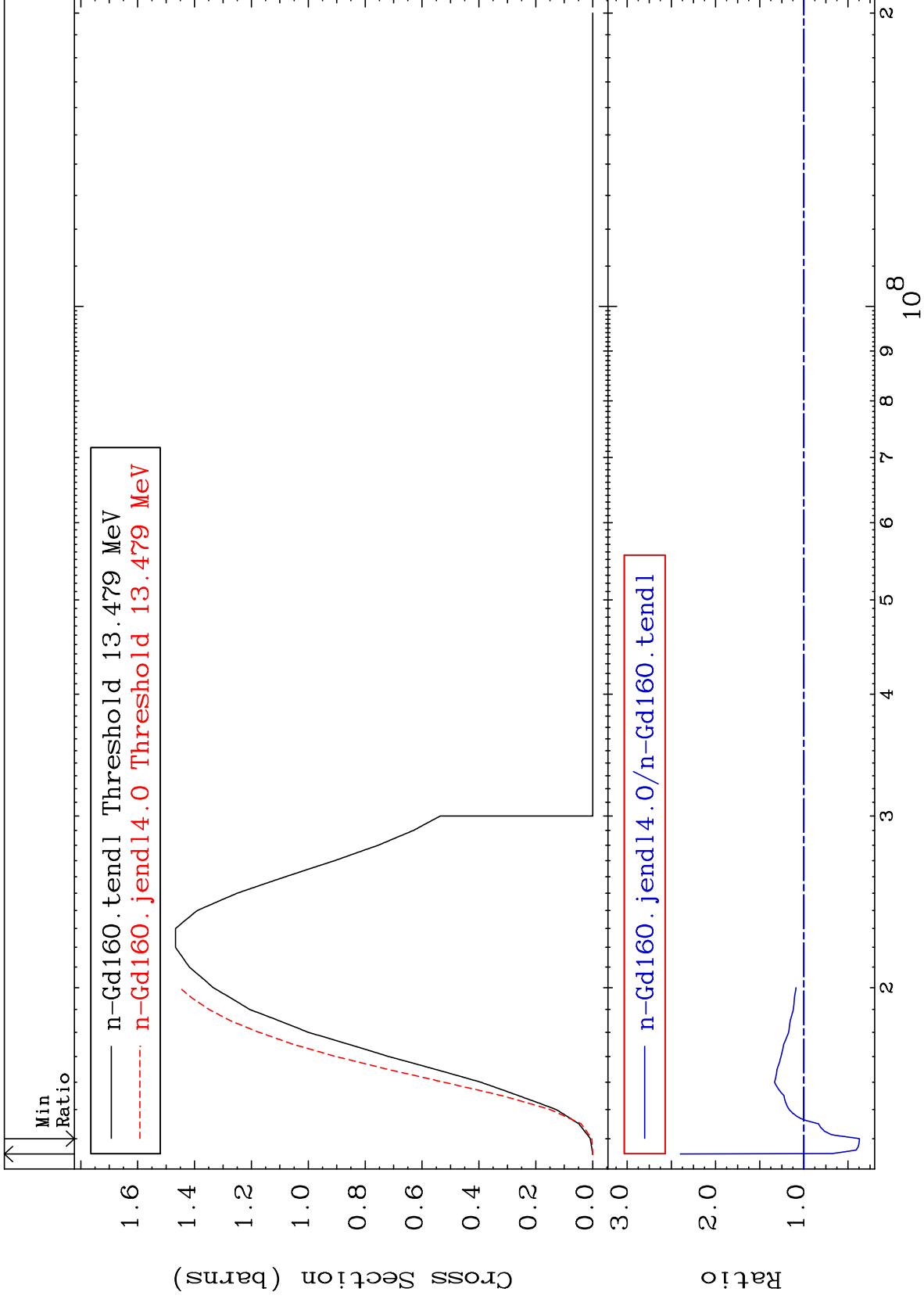
(n,2n)

64-Gd-160

Cross Section

-35.41 To -3.093%





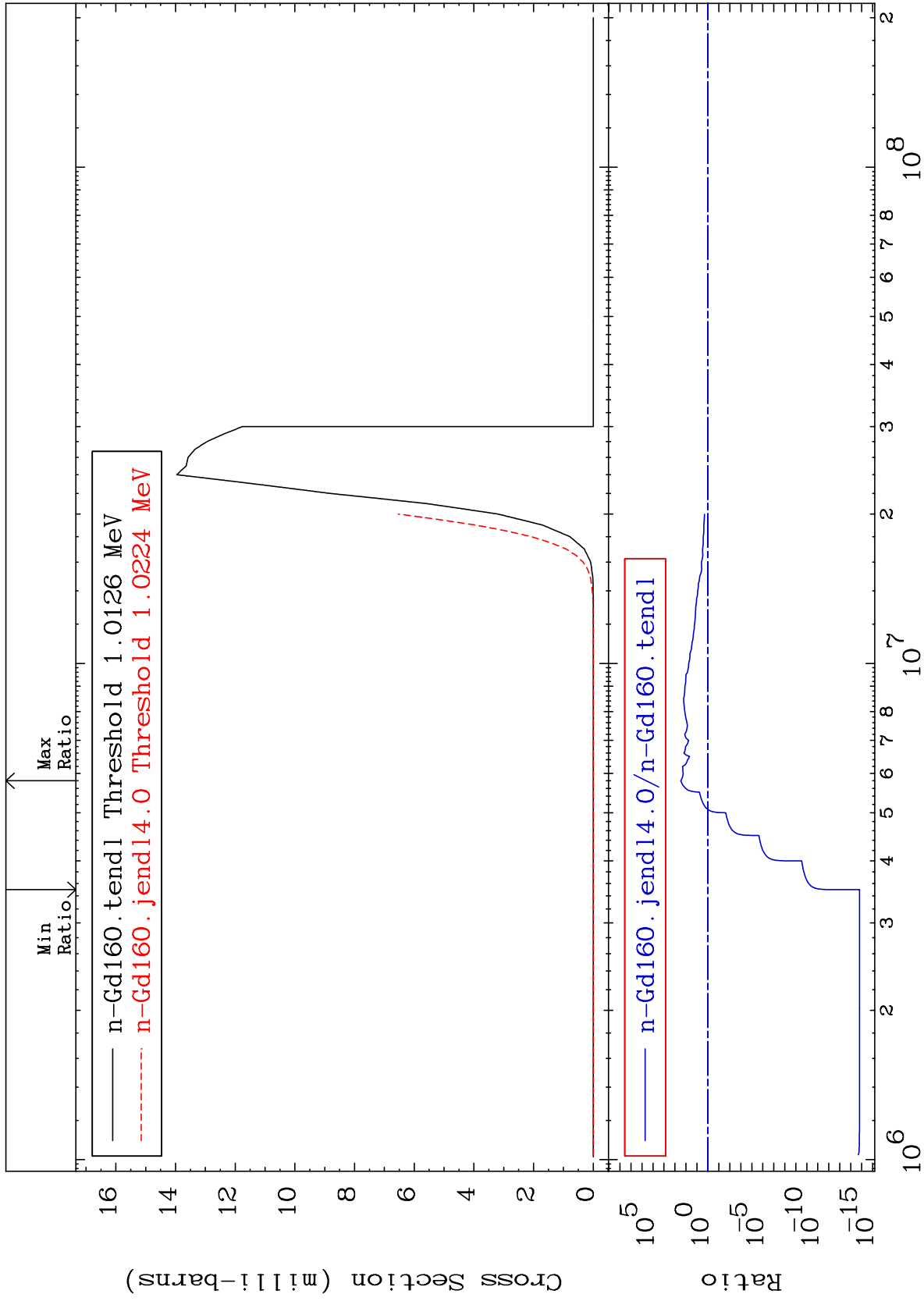
MAT 6449

(n, n') α

64-Gd-160

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

64-Gd-160

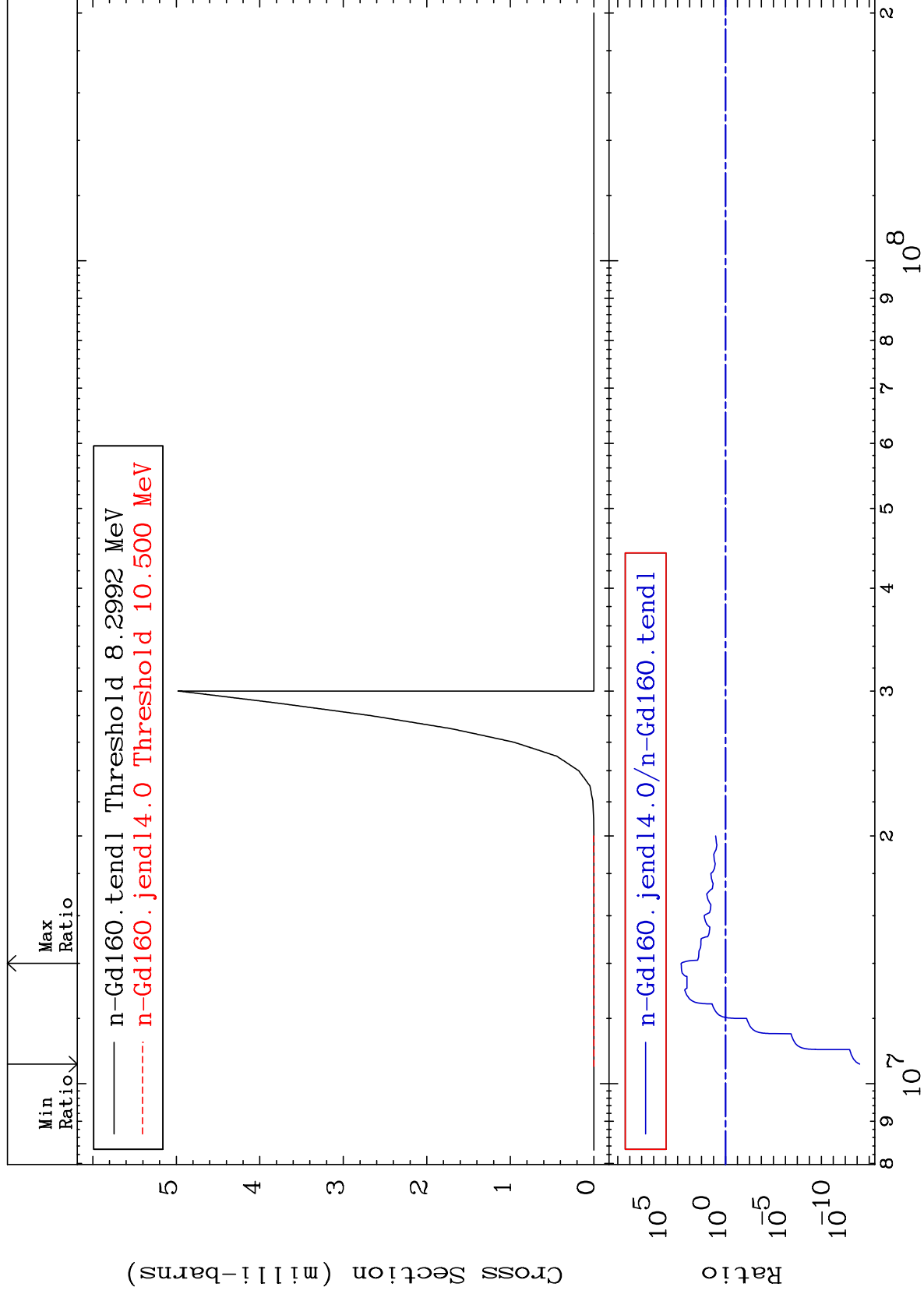
MAT 6449

(n,2n) α

64-Gd-160

Cross Section

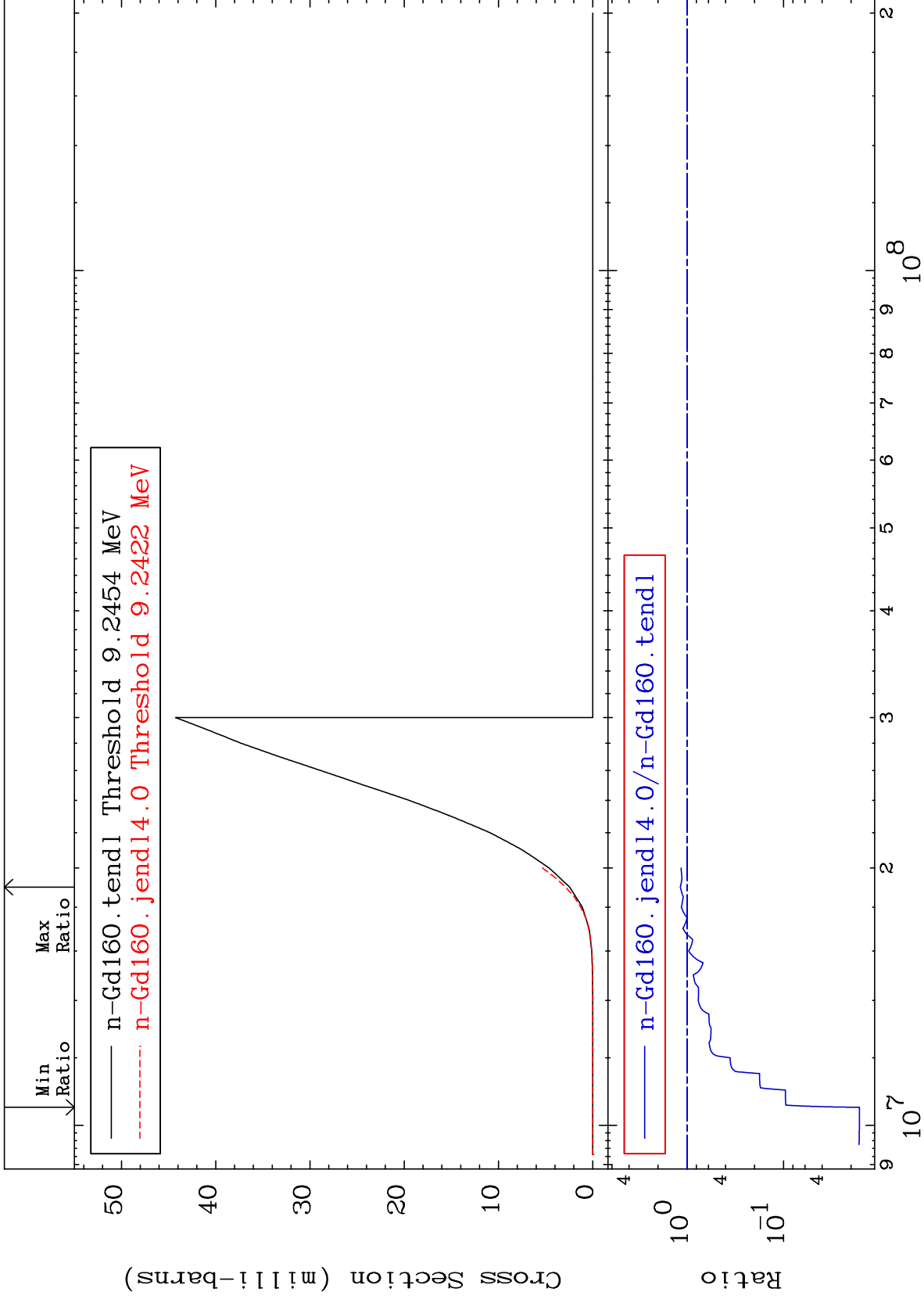
-100.0 To 9999. %



MAT 6449

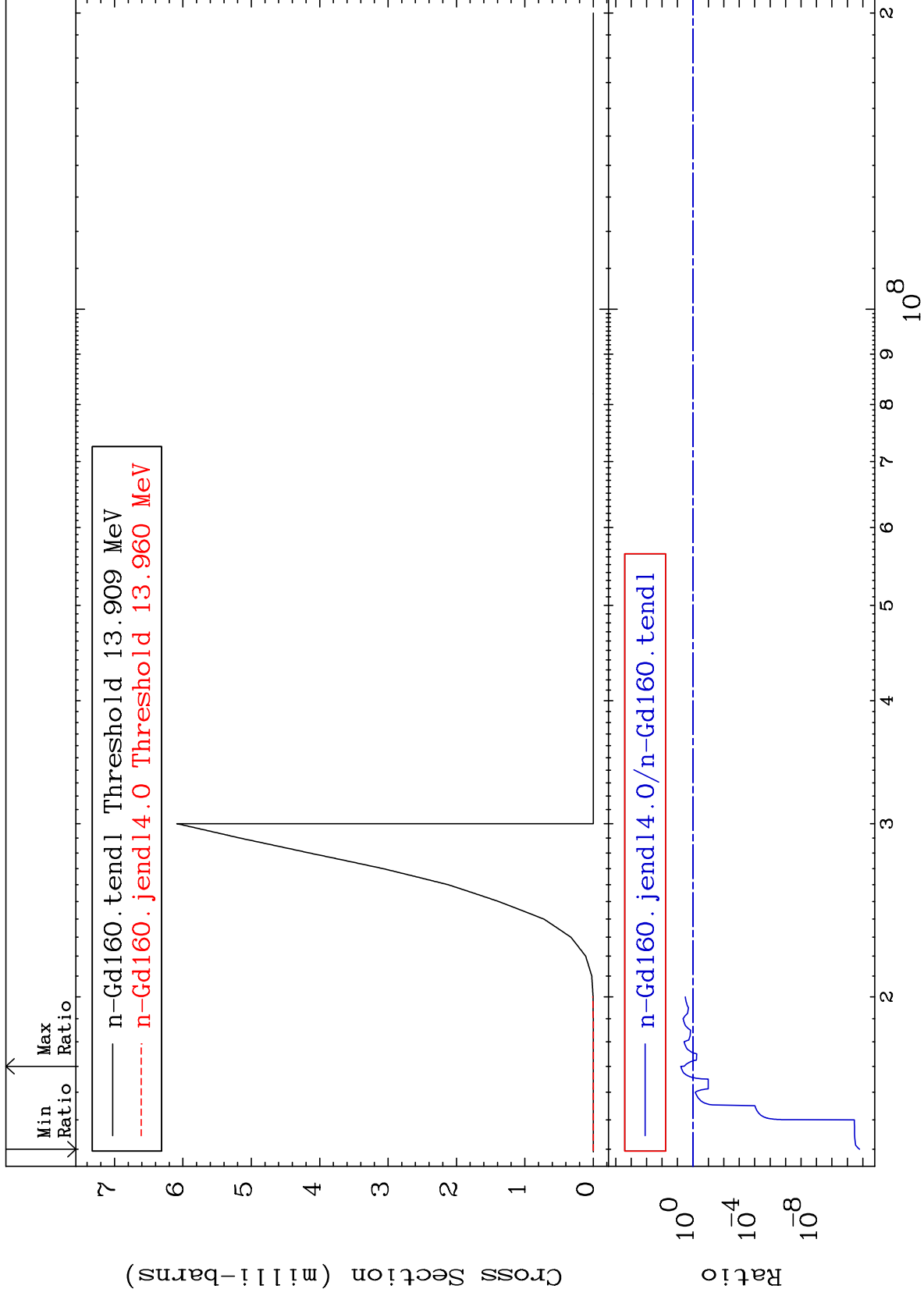
(n,n') p
Cross Section

64-Gd-160
-98.36 To 17.50 %



Cross Section

-100.0 To 512.8 %



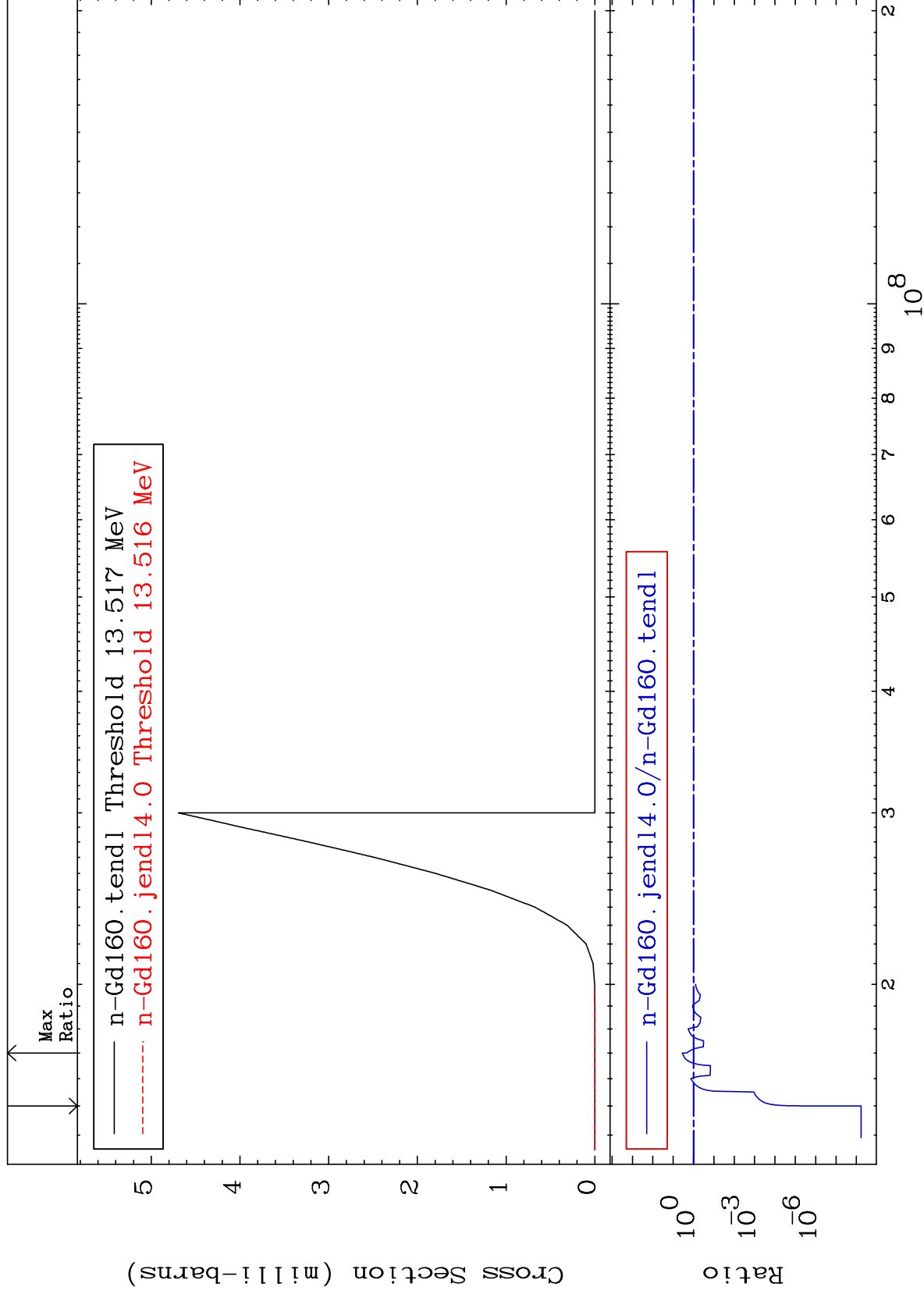
MAT 6449

(n,n') t

64-Gd-160

Cross Section

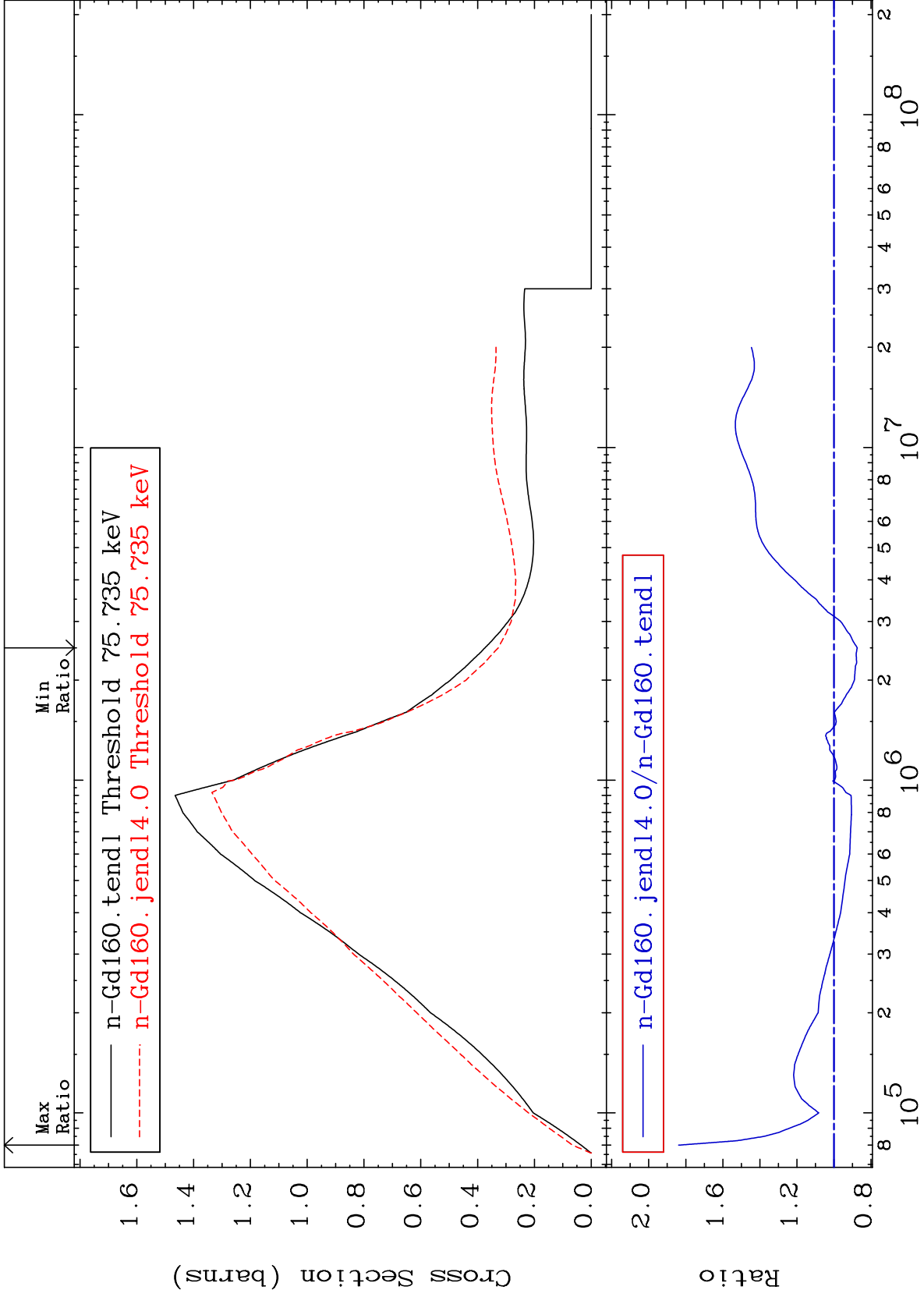
-100.0 To 255.0 %



10

Incident Energy (eV)

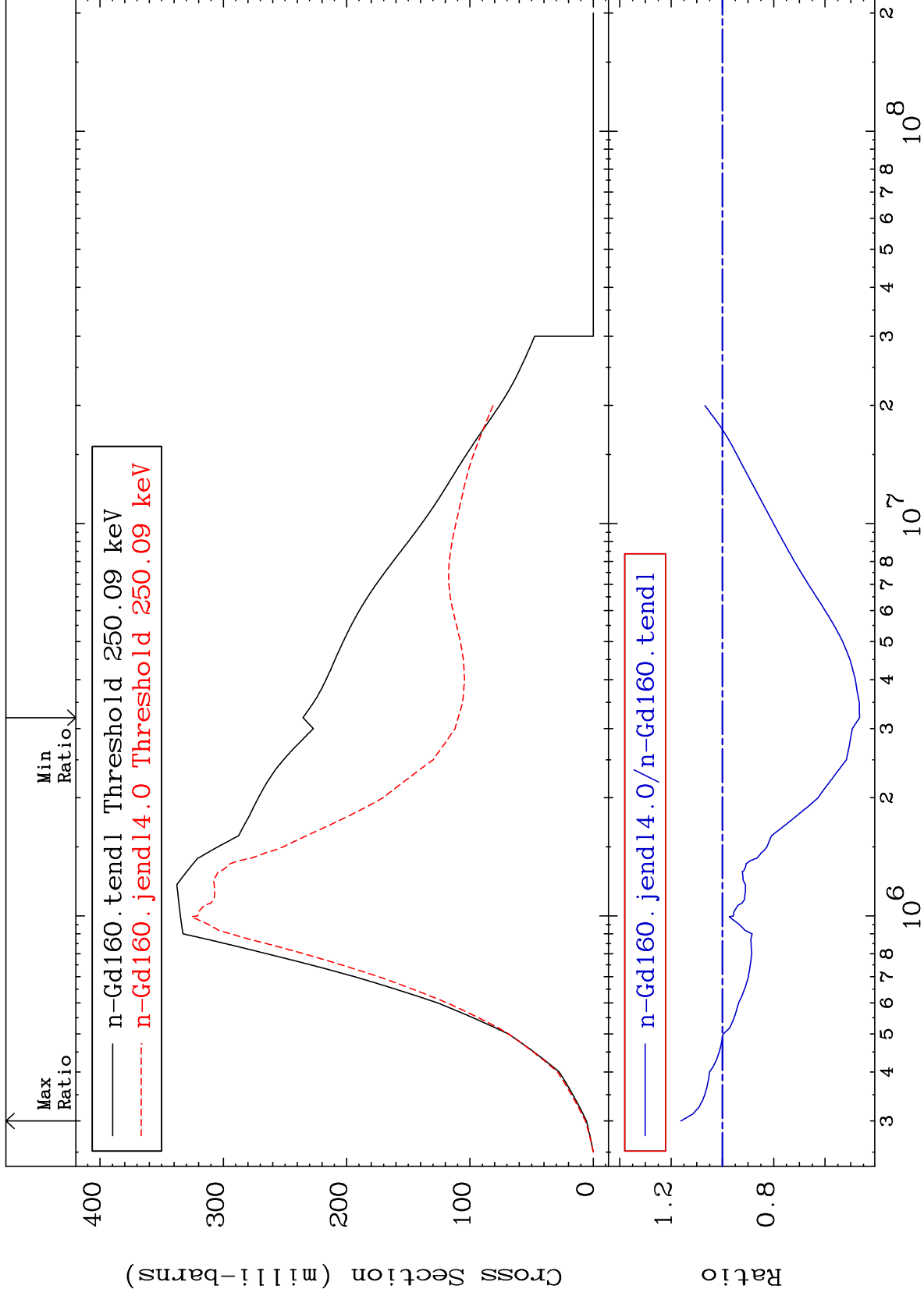
64-Gd-160



MAT 6449

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

64-Gd-160
-53.45 To 16.22 %



12

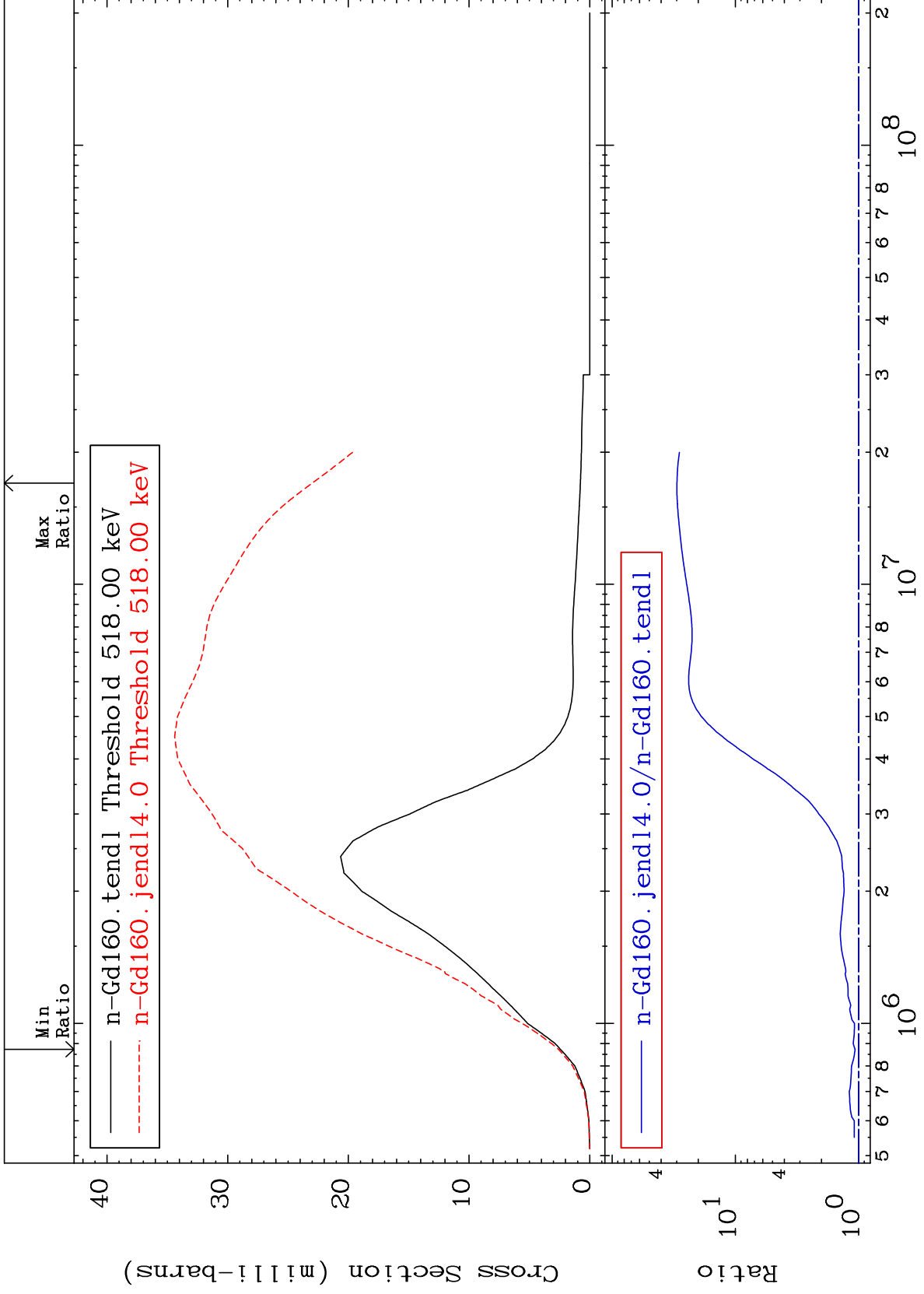
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
6.824 To 2881. %



13

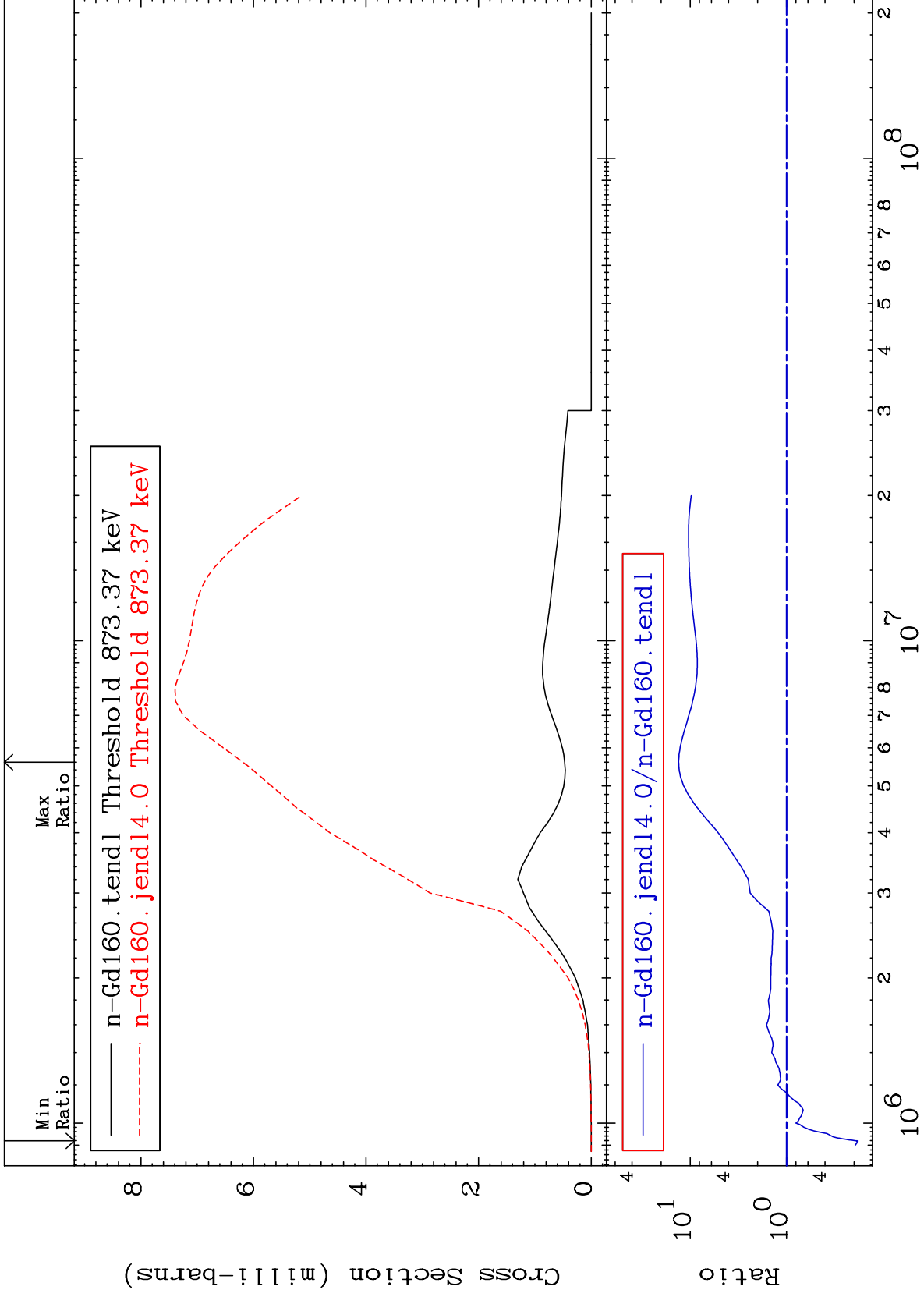
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-81.47 To 1216. %



14

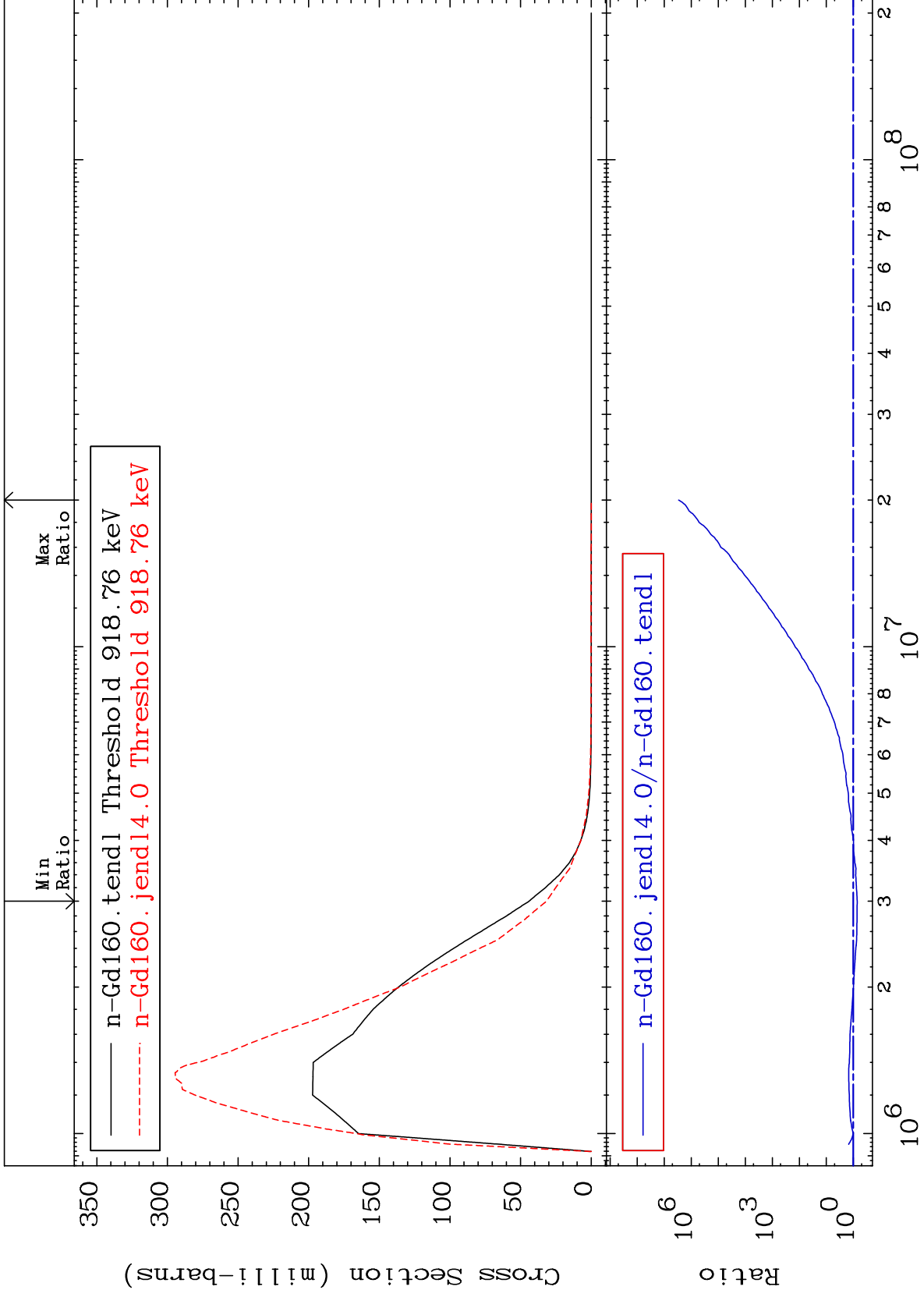
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-28.05 To 9999. %



15

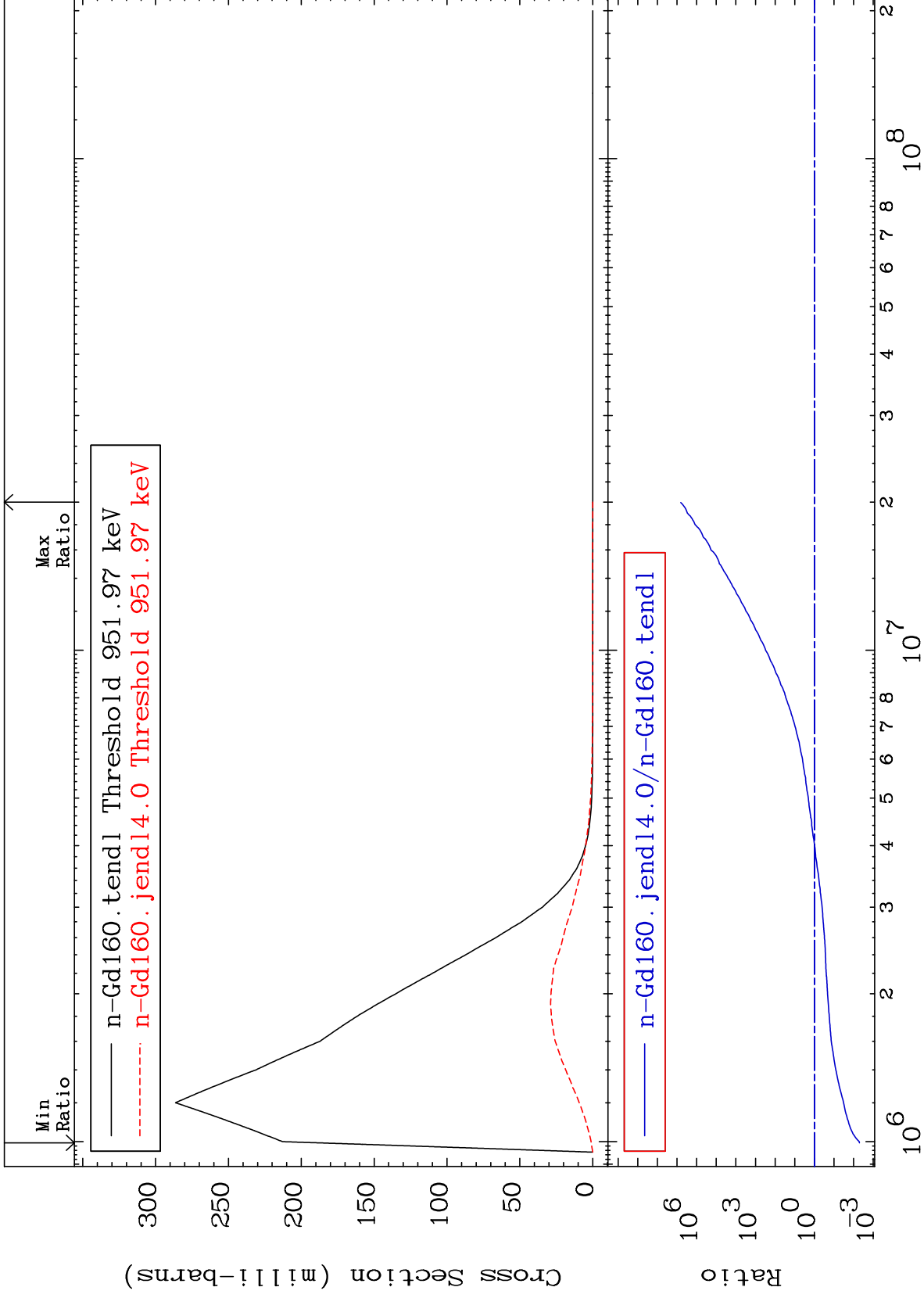
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-99.49 To 9999. %



16

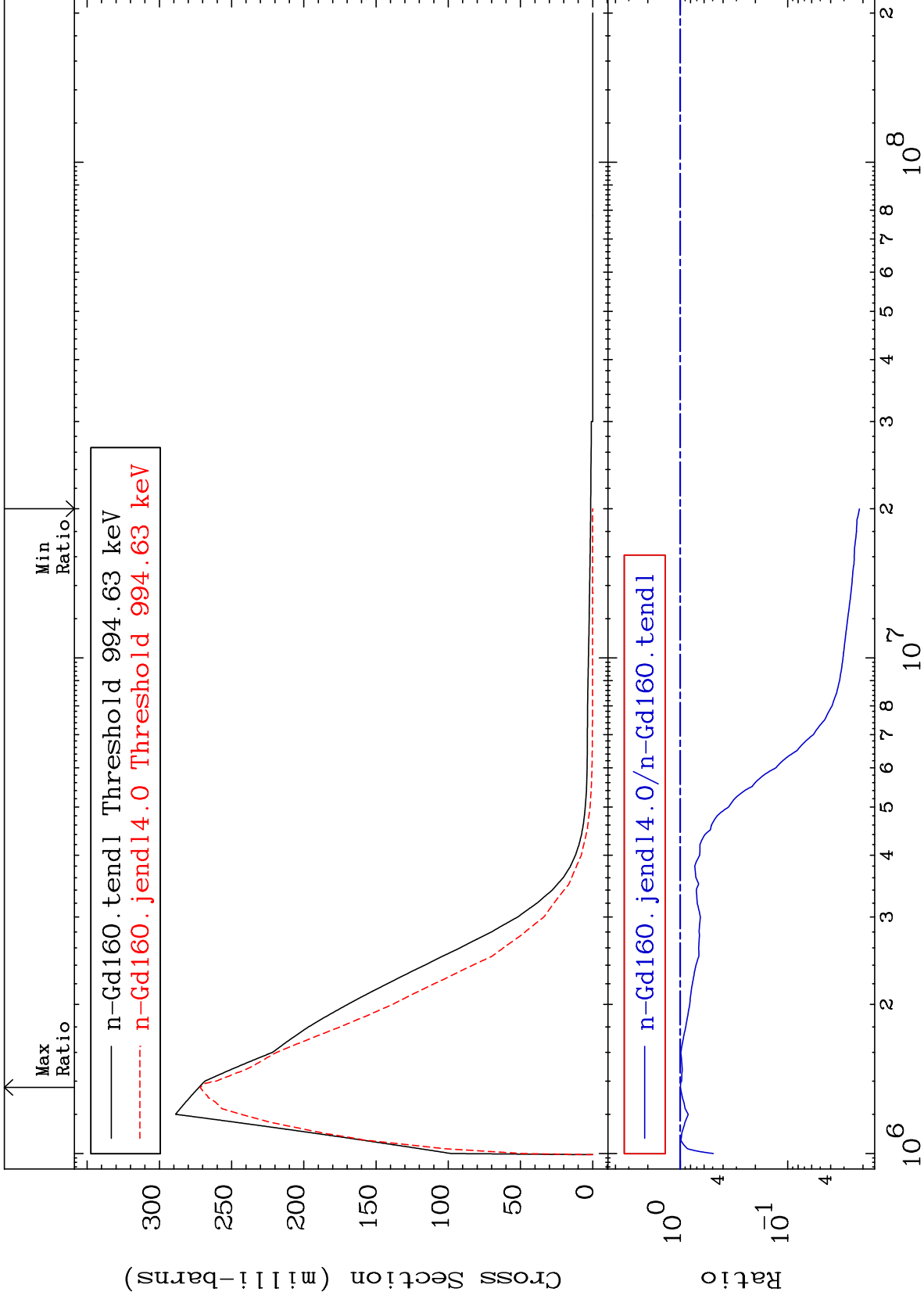
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-97.84 To -0.316%



17

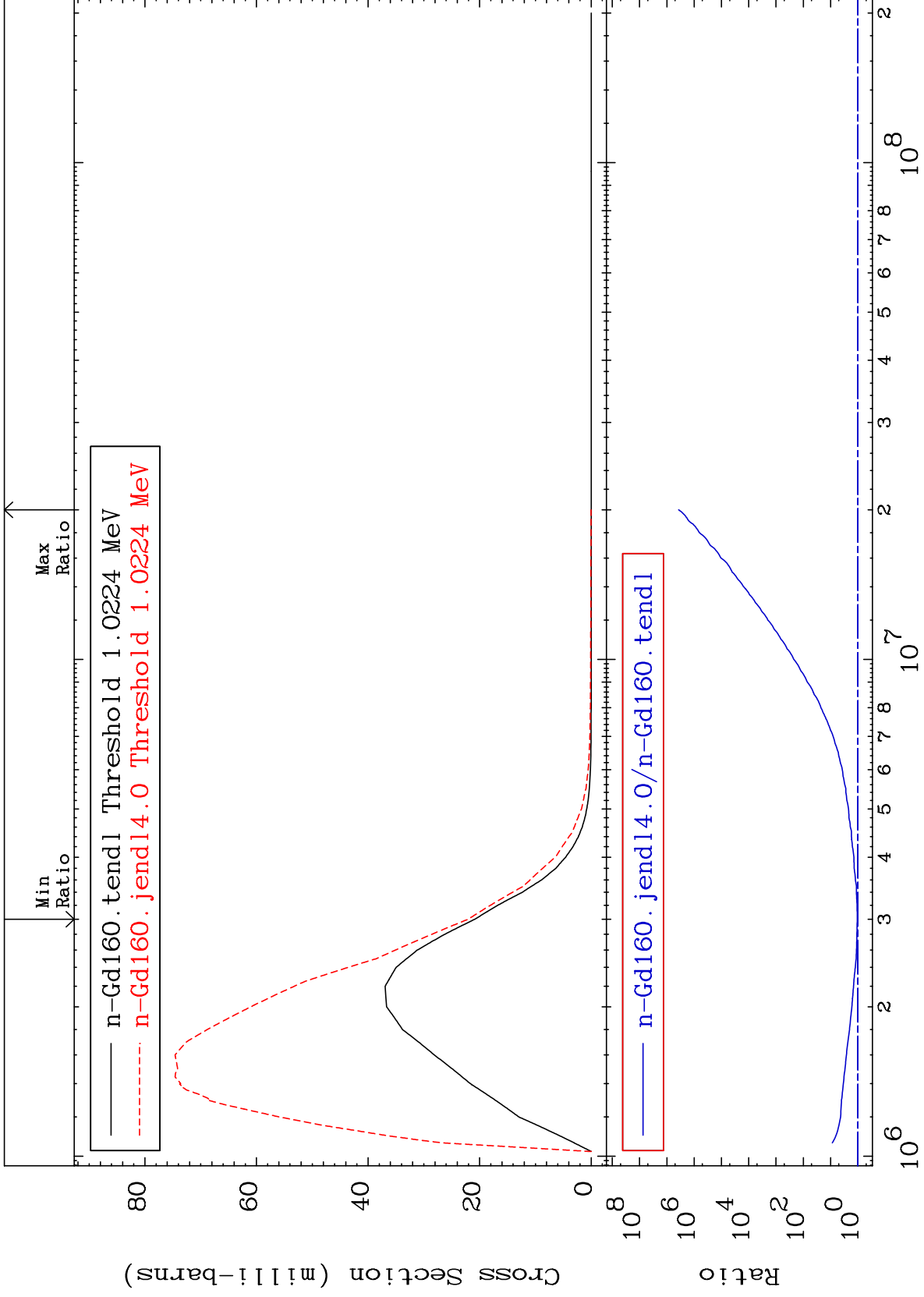
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
5.698 To 9999. %



18

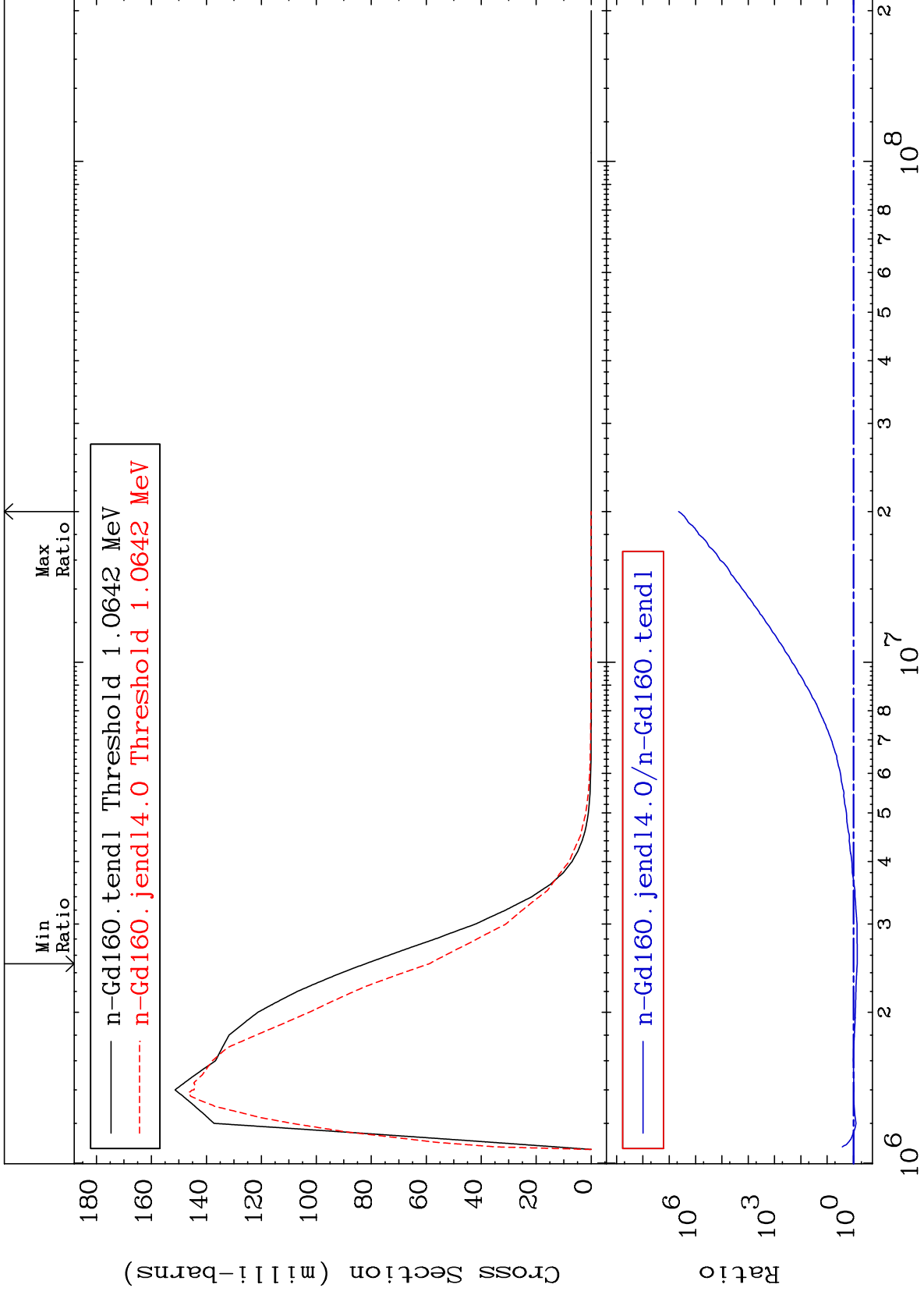
Incident Energy (eV)

64-Gd-160

MAT 6449

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

64-Gd-160
-28.21 To 9999. %



19

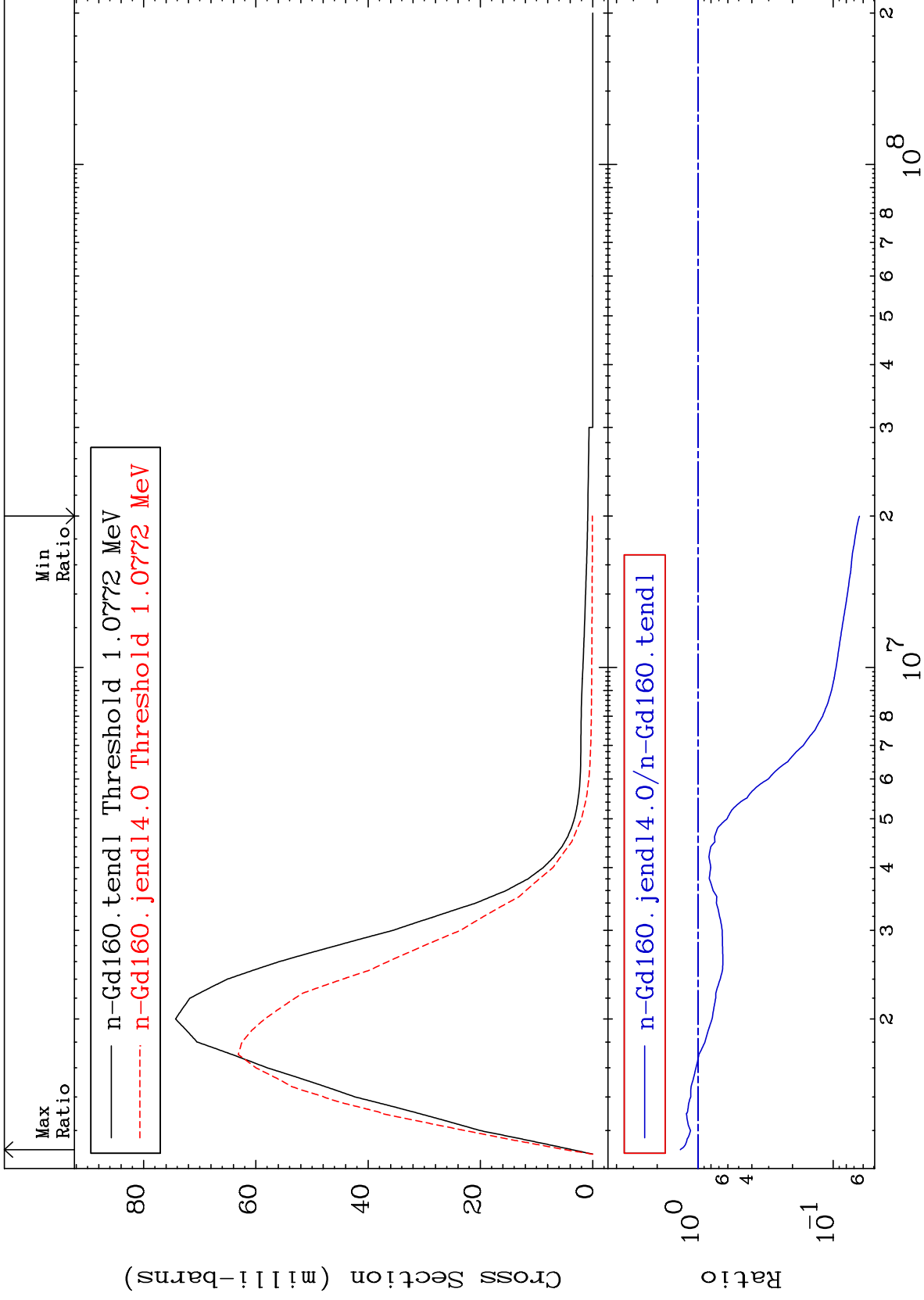
Incident Energy (eV)

64-Gd-160

MAT 6449

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

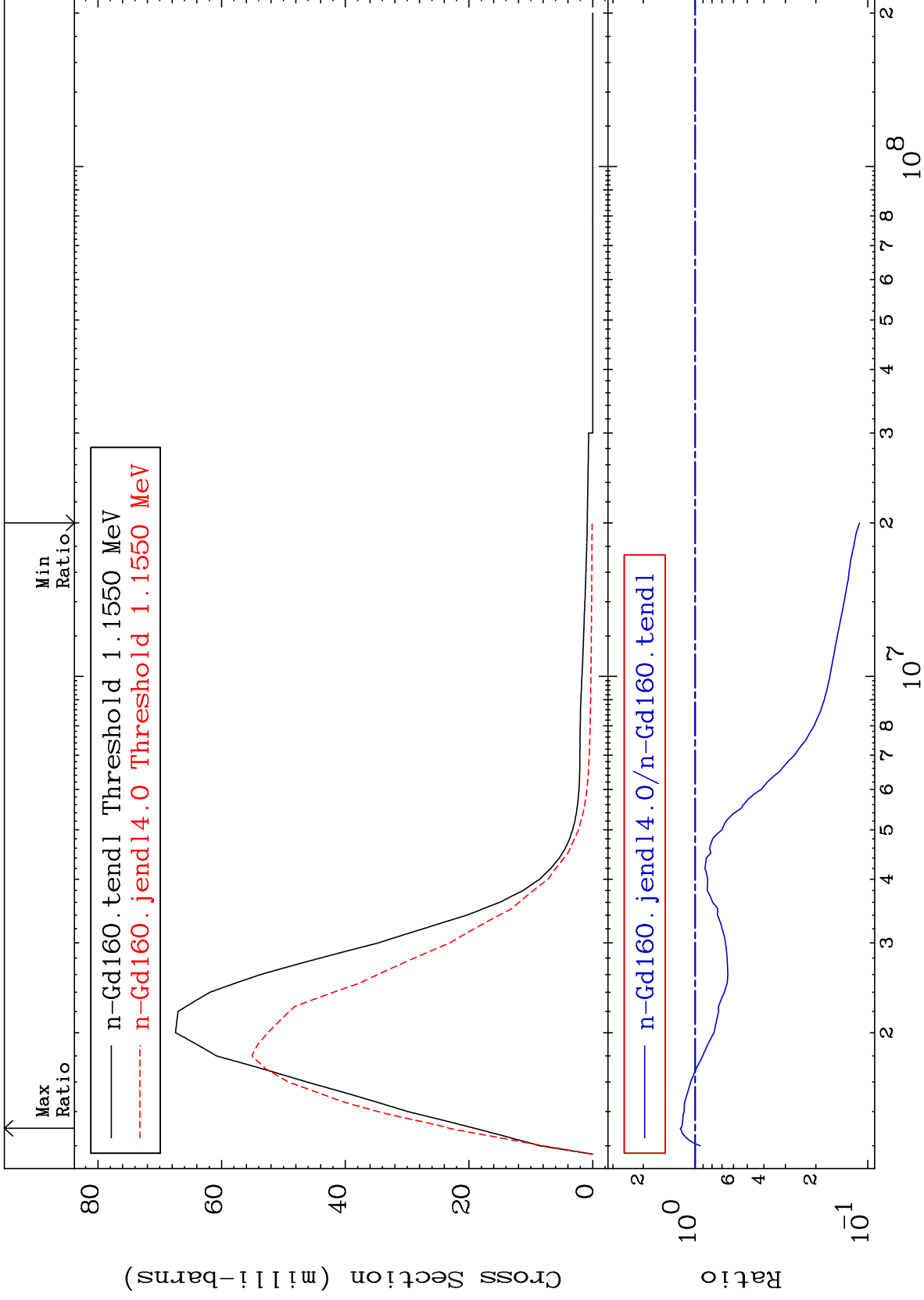
64-Gd-160
-93.61 To 34.91 %



MAT 6449

MT= 61 (n,n') Level
Cross Section

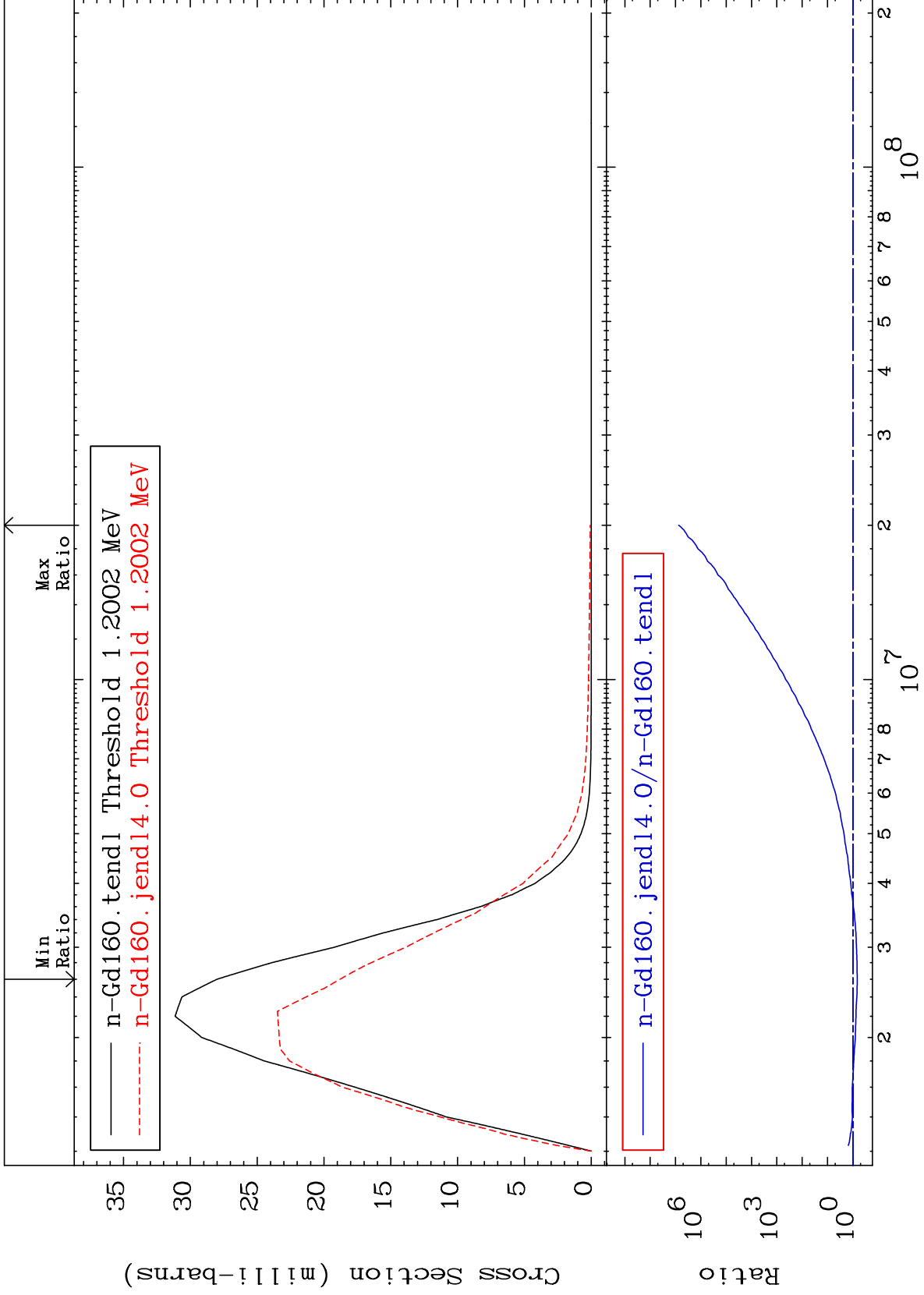
64-Gd-160
-88.83 To 21.94 %



MAT 6449

MT= 62 (n, n') Level
Cross Section

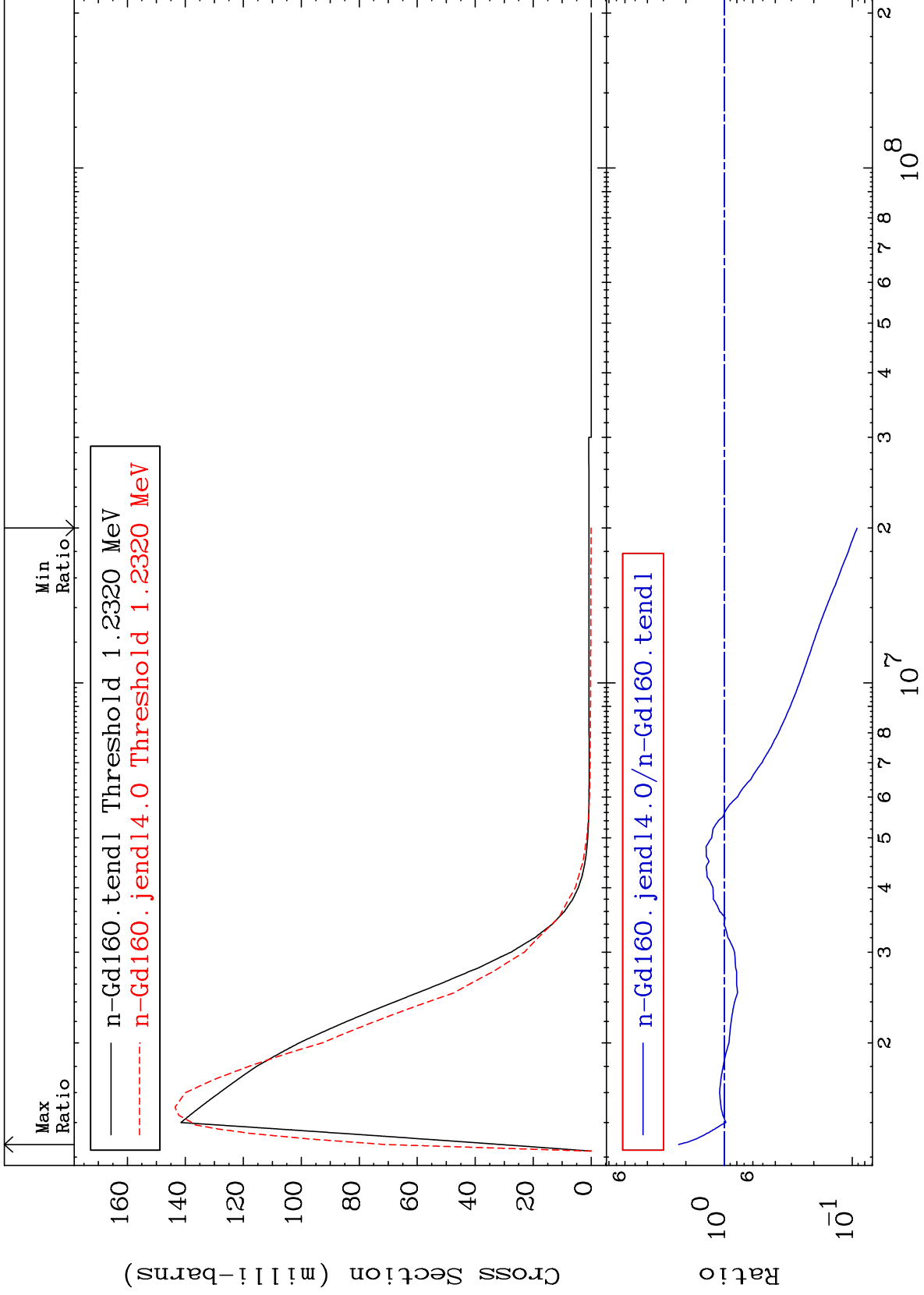
64-Gd-160
-32.89 To 9999. %



MAT 6449

MT= 63 (n,n') Level
Cross Section

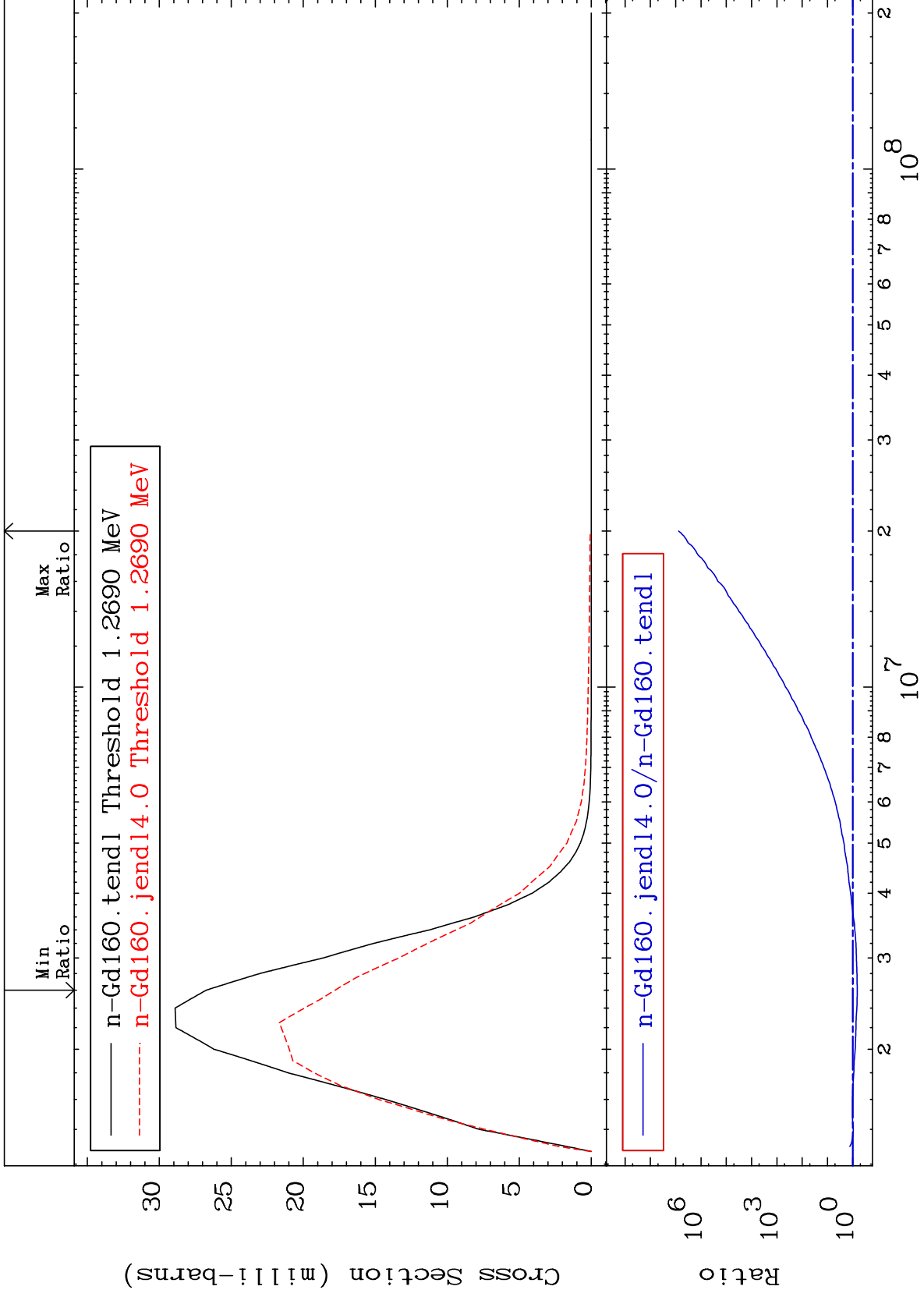
64-Gd-160
-90.86 To 128.0 %



MAT 6449

MT= 64 (n, n') Level
Cross Section

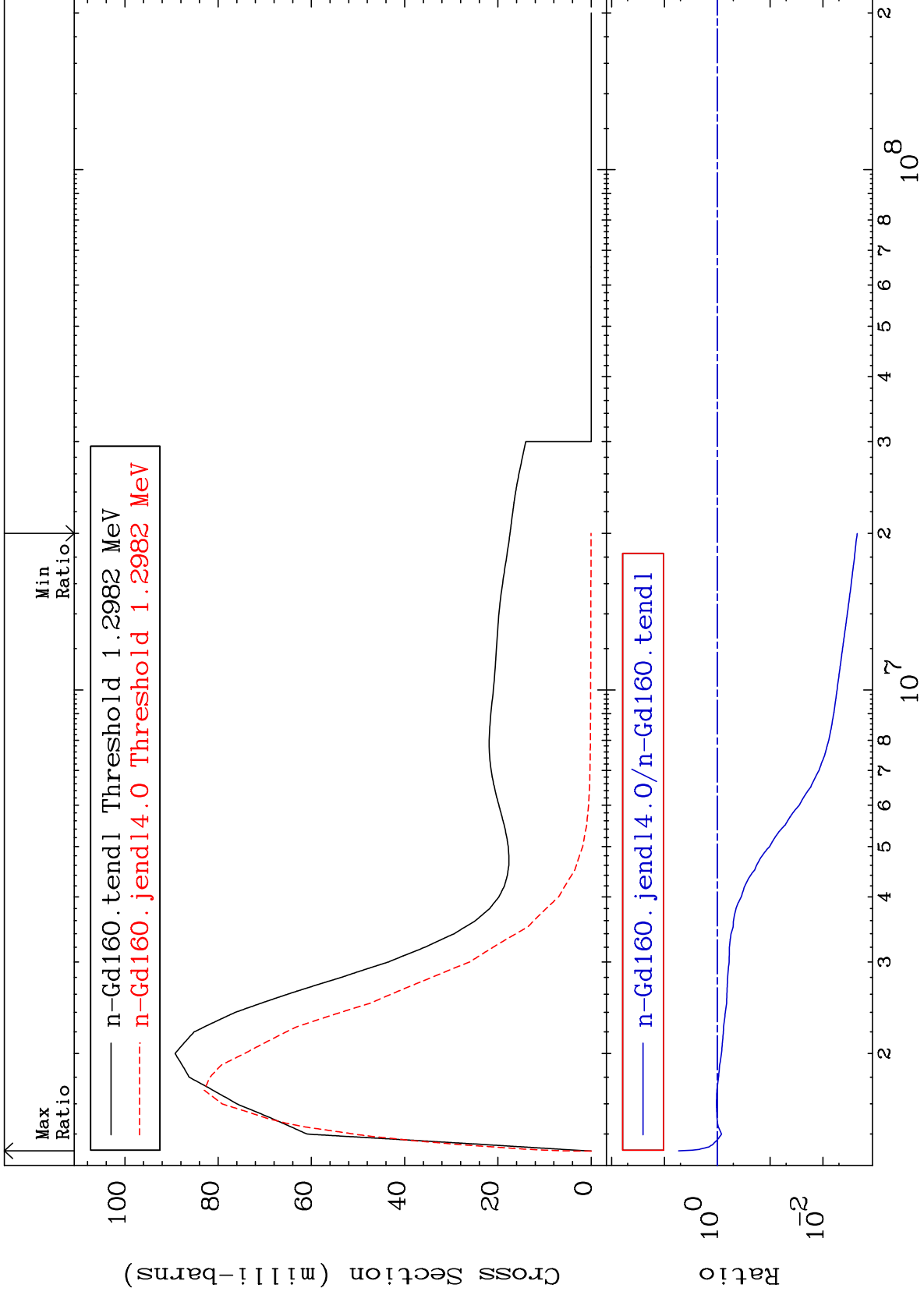
64-Gd-160
-33.46 To 9999. %



MAT 6449

MT= 65 (n,n') Level
Cross Section

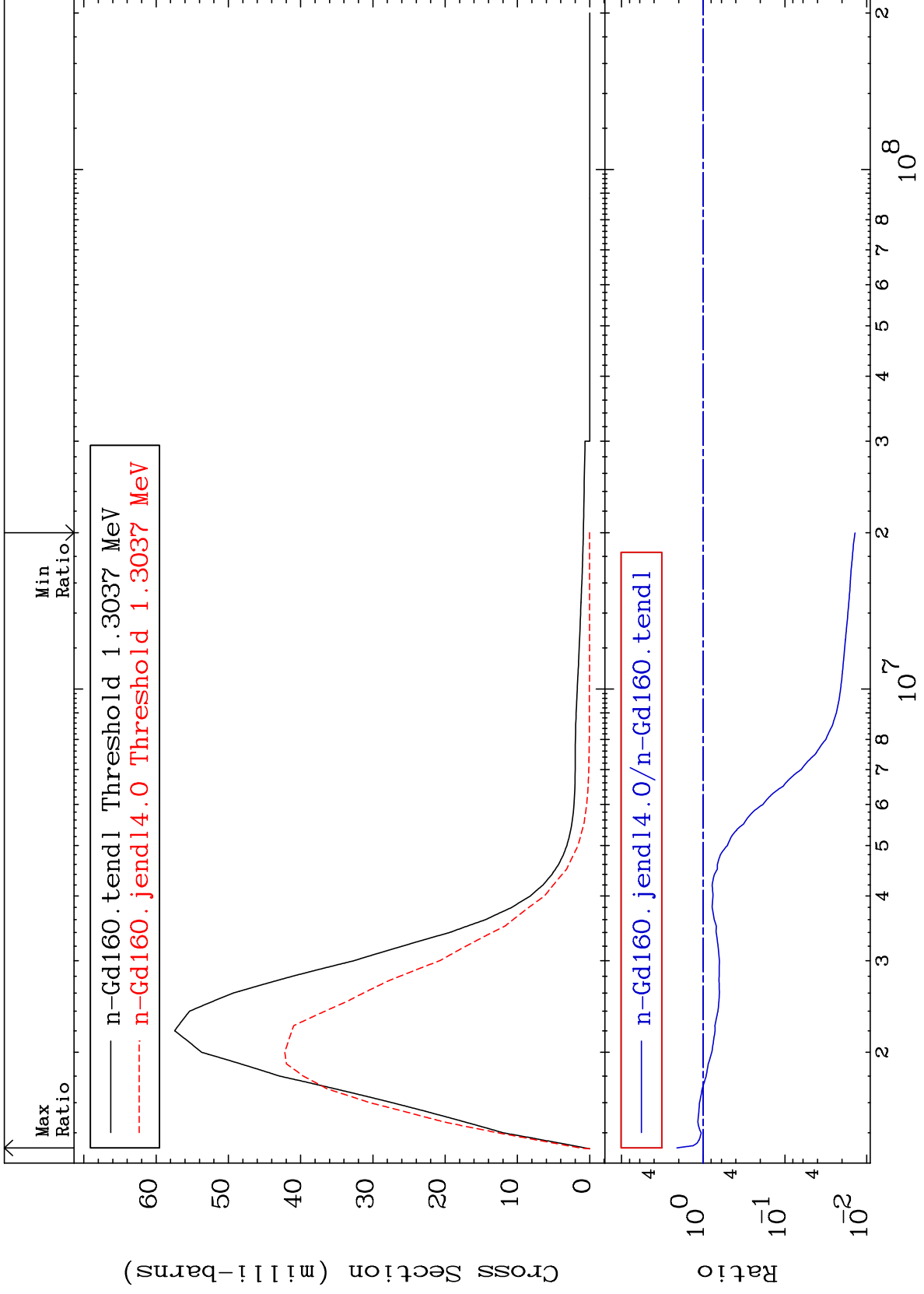
64-Gd-160
-99.78 To 440.0 %



MAT 6449

MT= 66 (n,n') Level
Cross Section

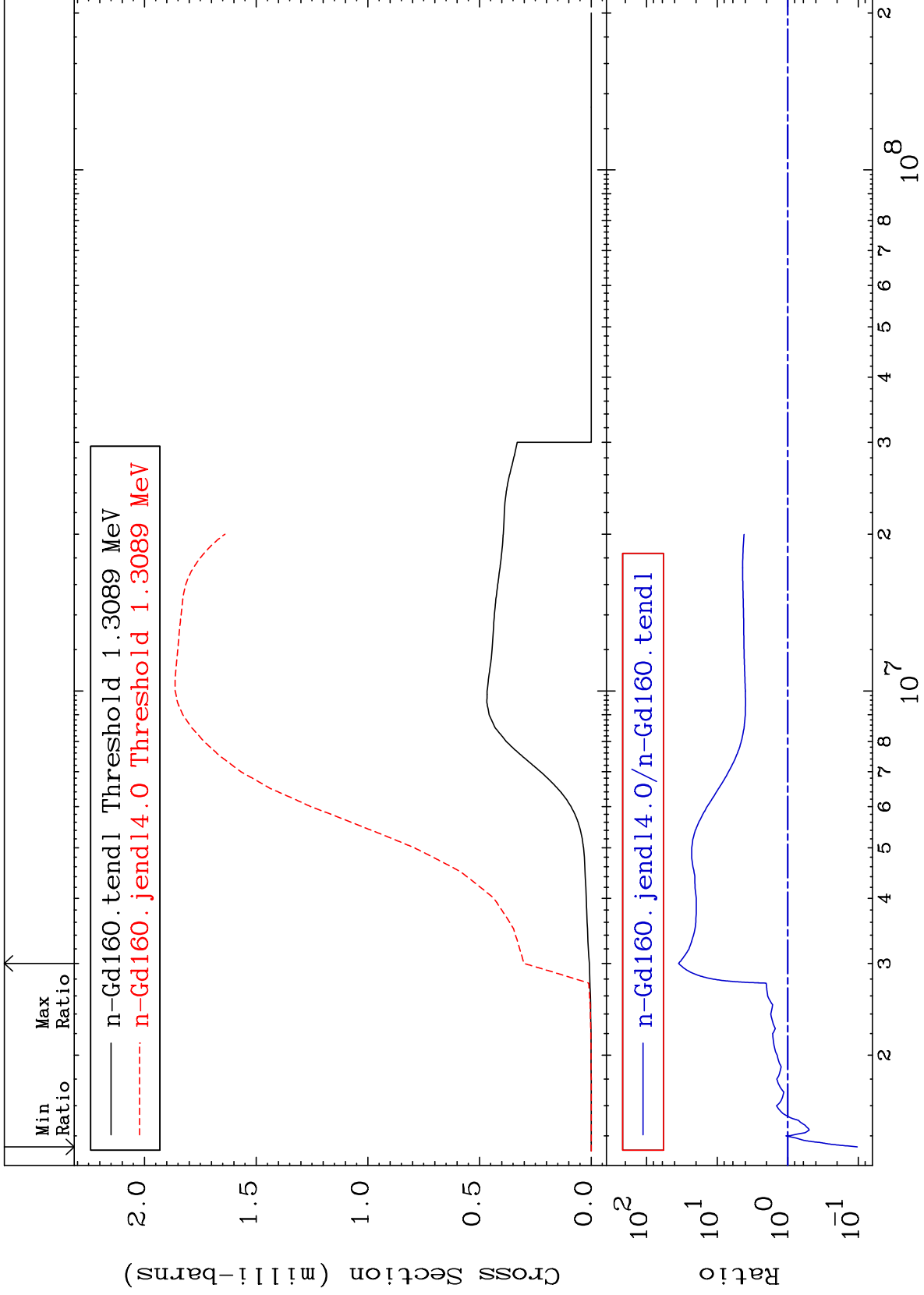
64-Gd-160
-98.62 To 110.1 %



MAT 6449

MT= 67 (n, n') Level
Cross Section

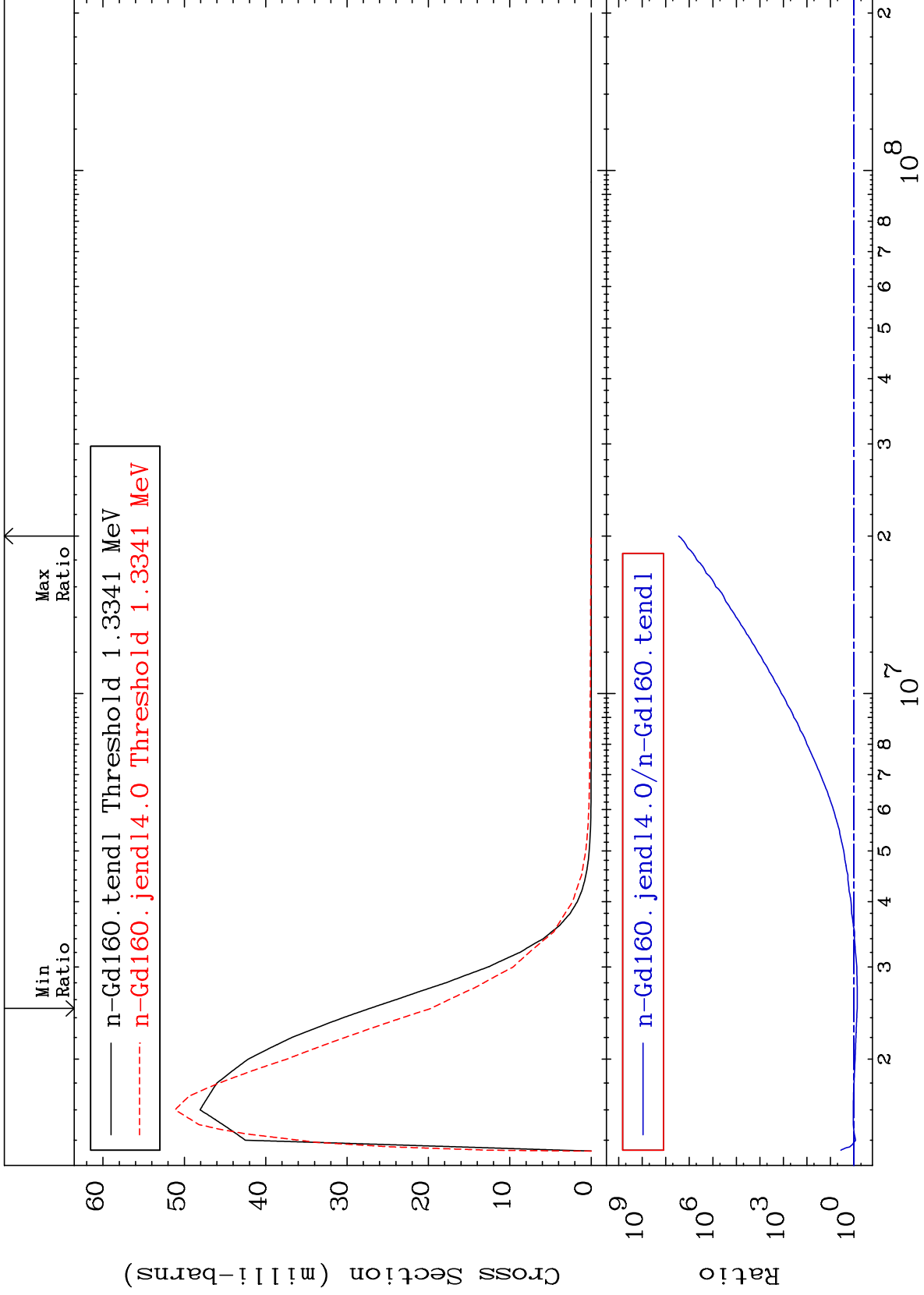
64-Gd-160
-89.64 To 3421. %

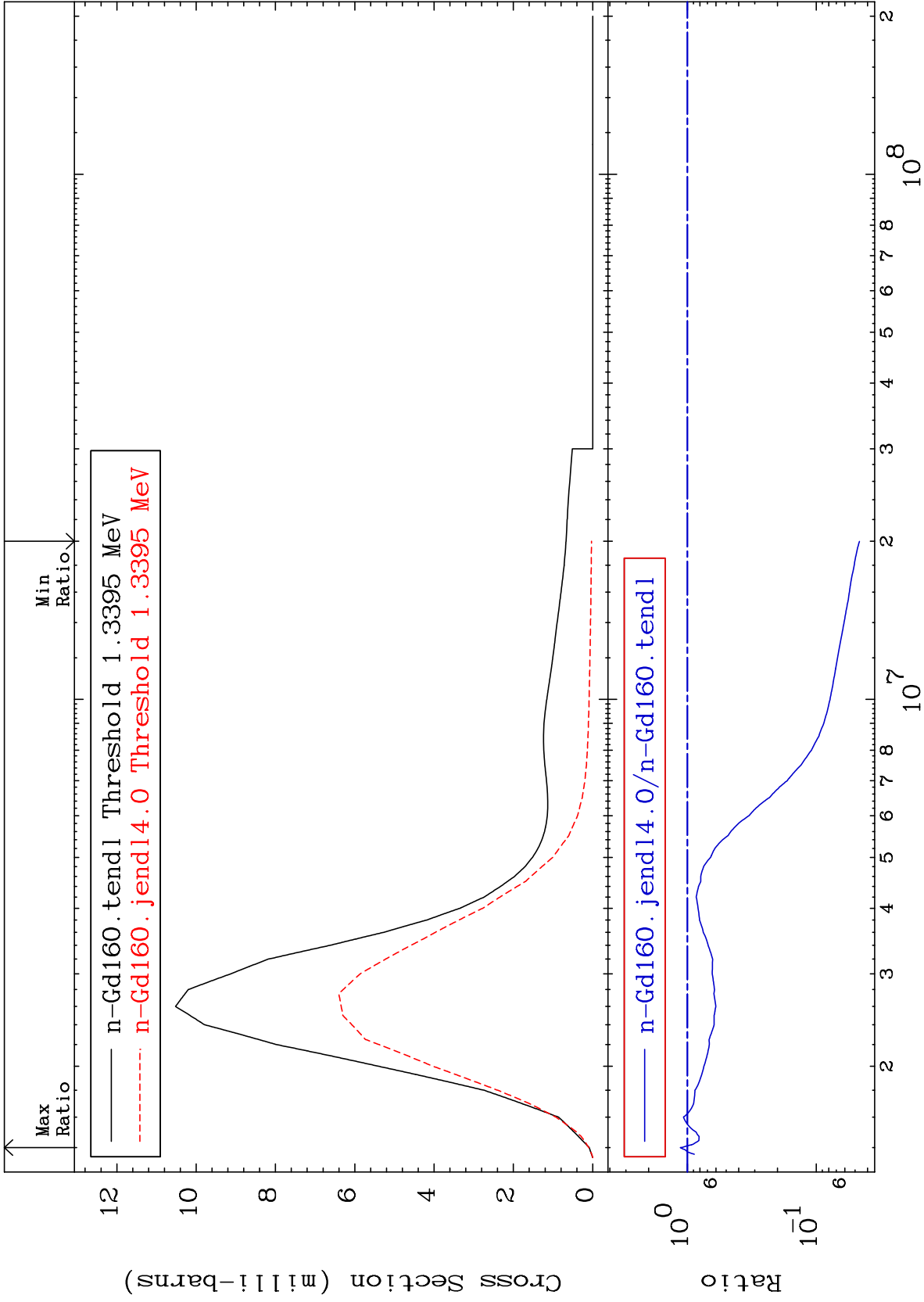


MAT 6449

MT= 68 (n,n') Level
Cross Section

64-Gd-160
-27.63 To 9999. %

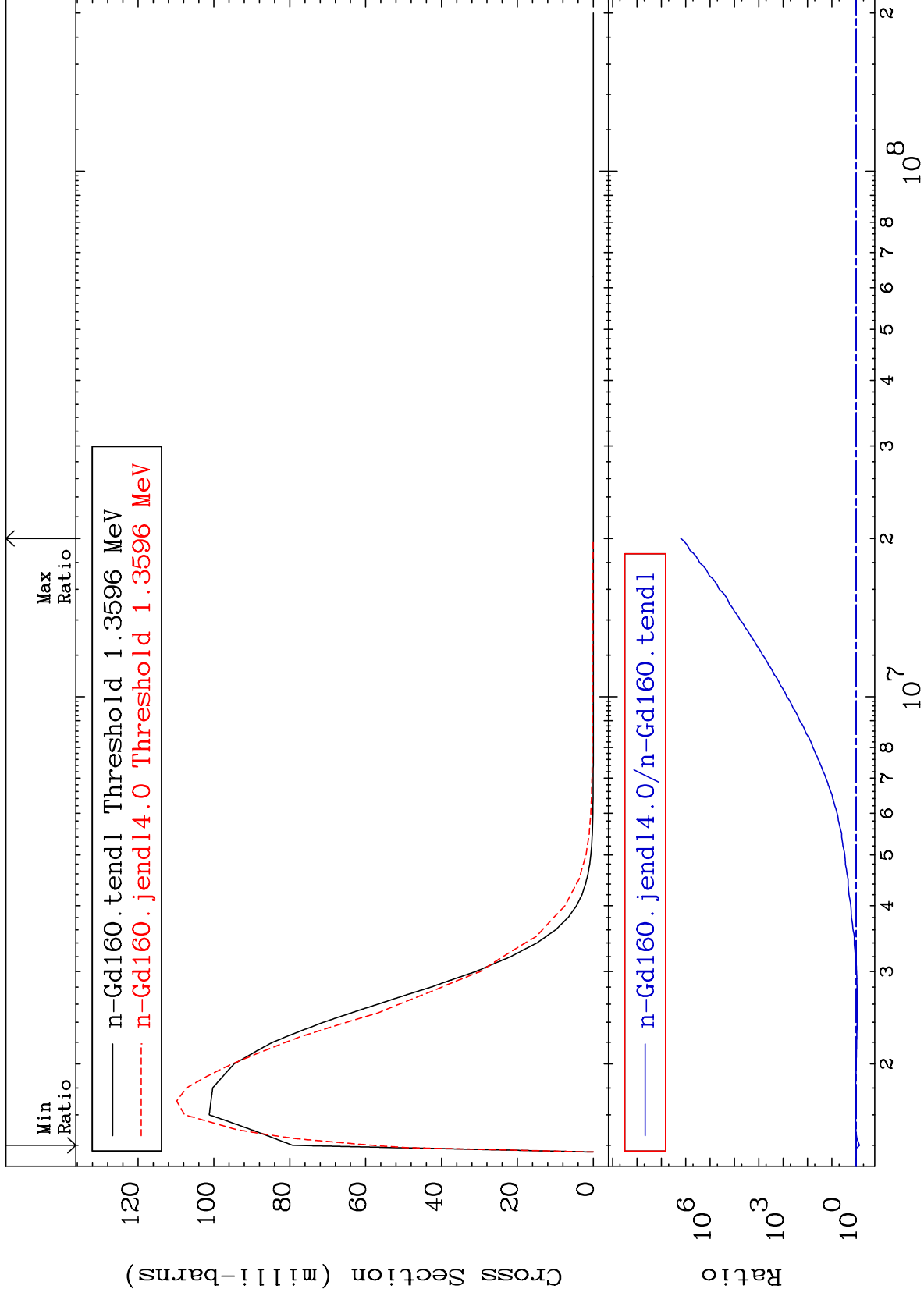




MAT 6449

MT= 70 (n,n') Level
Cross Section

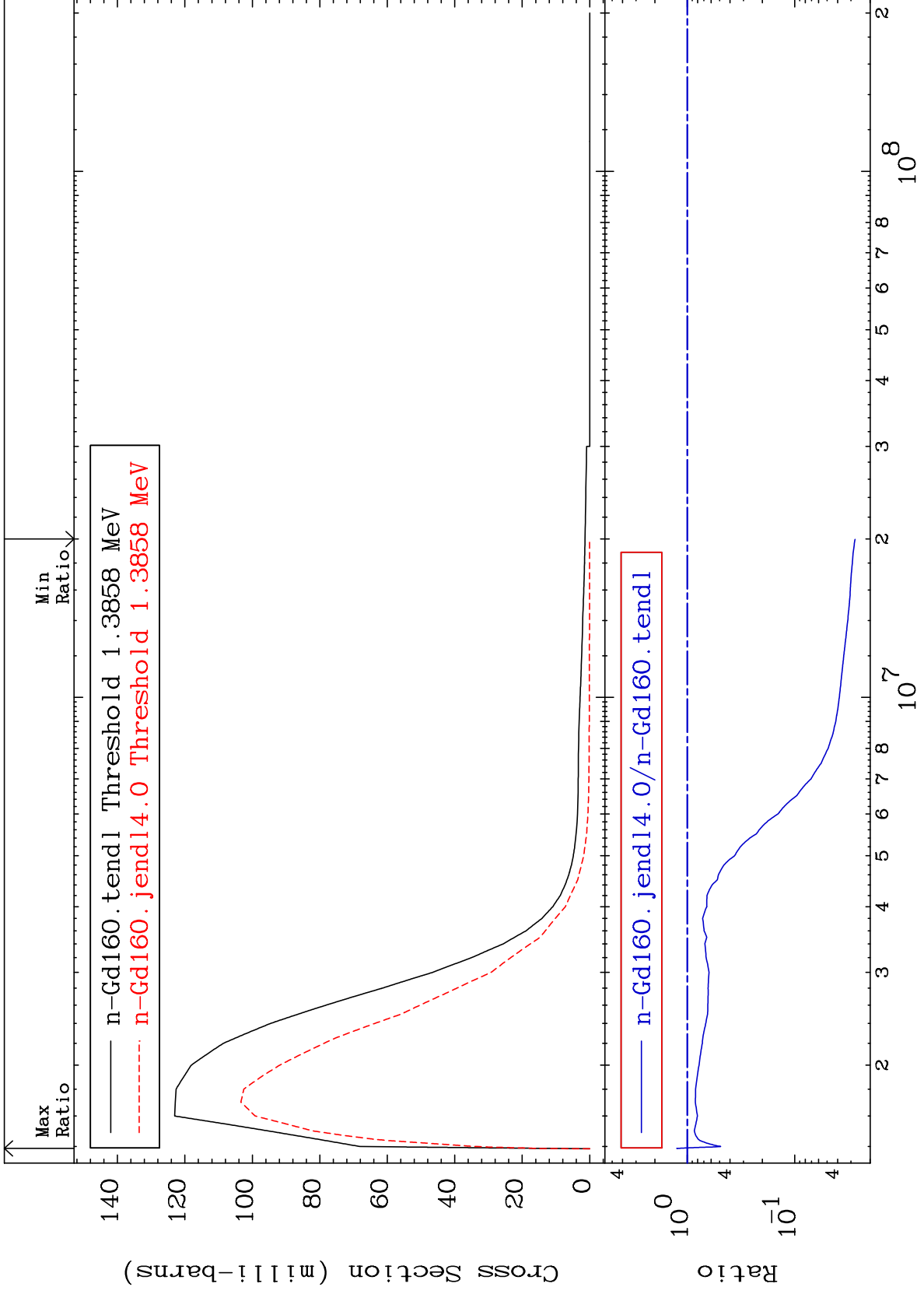
64-Gd-160
-26.68 To 9999. %



MAT 6449

MT= 71 (n,n') Level
Cross Section

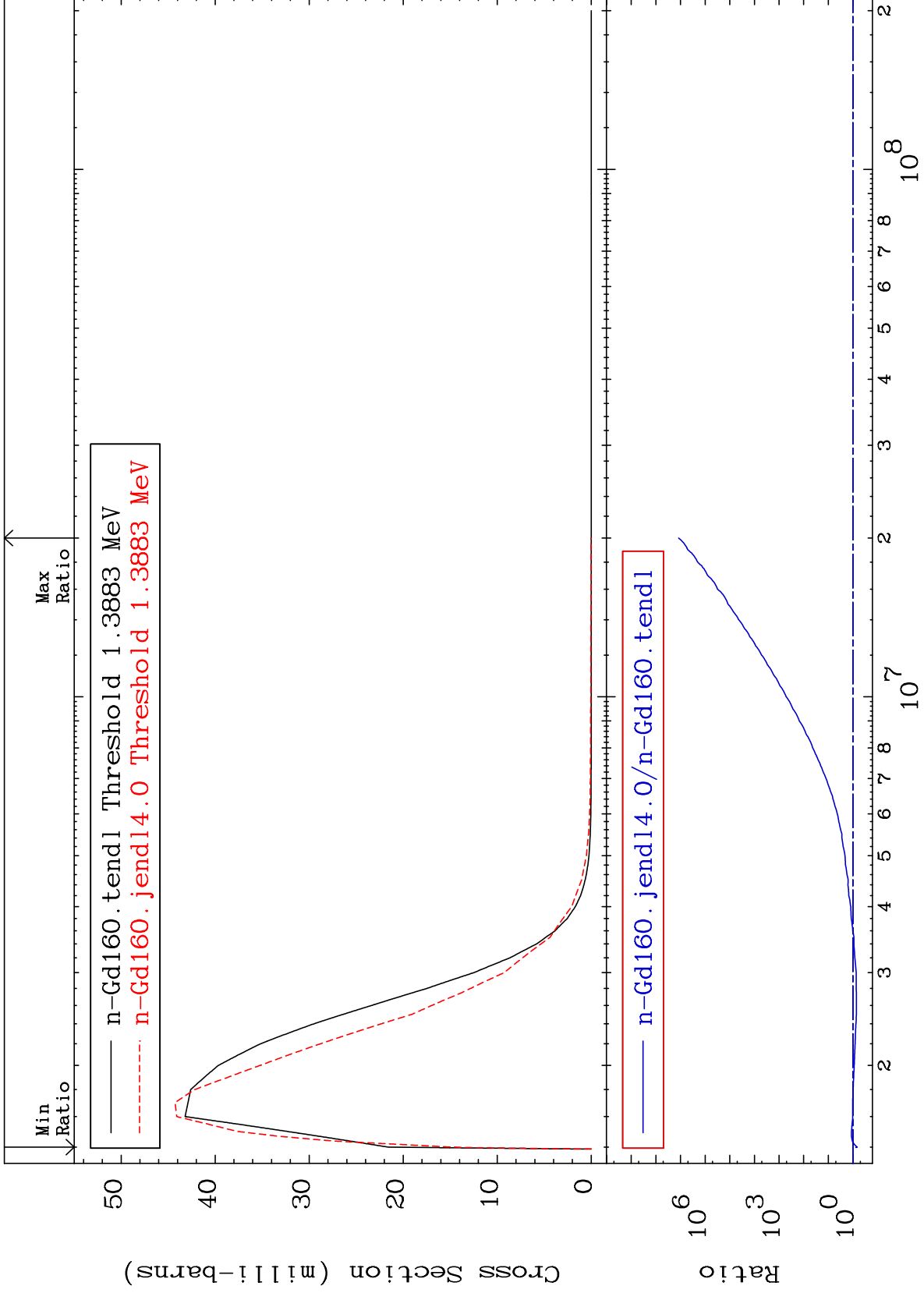
64-Gd-160
-97.25 To 24.86 %



MAT 6449

MT= 72 (n,n') Level
Cross Section

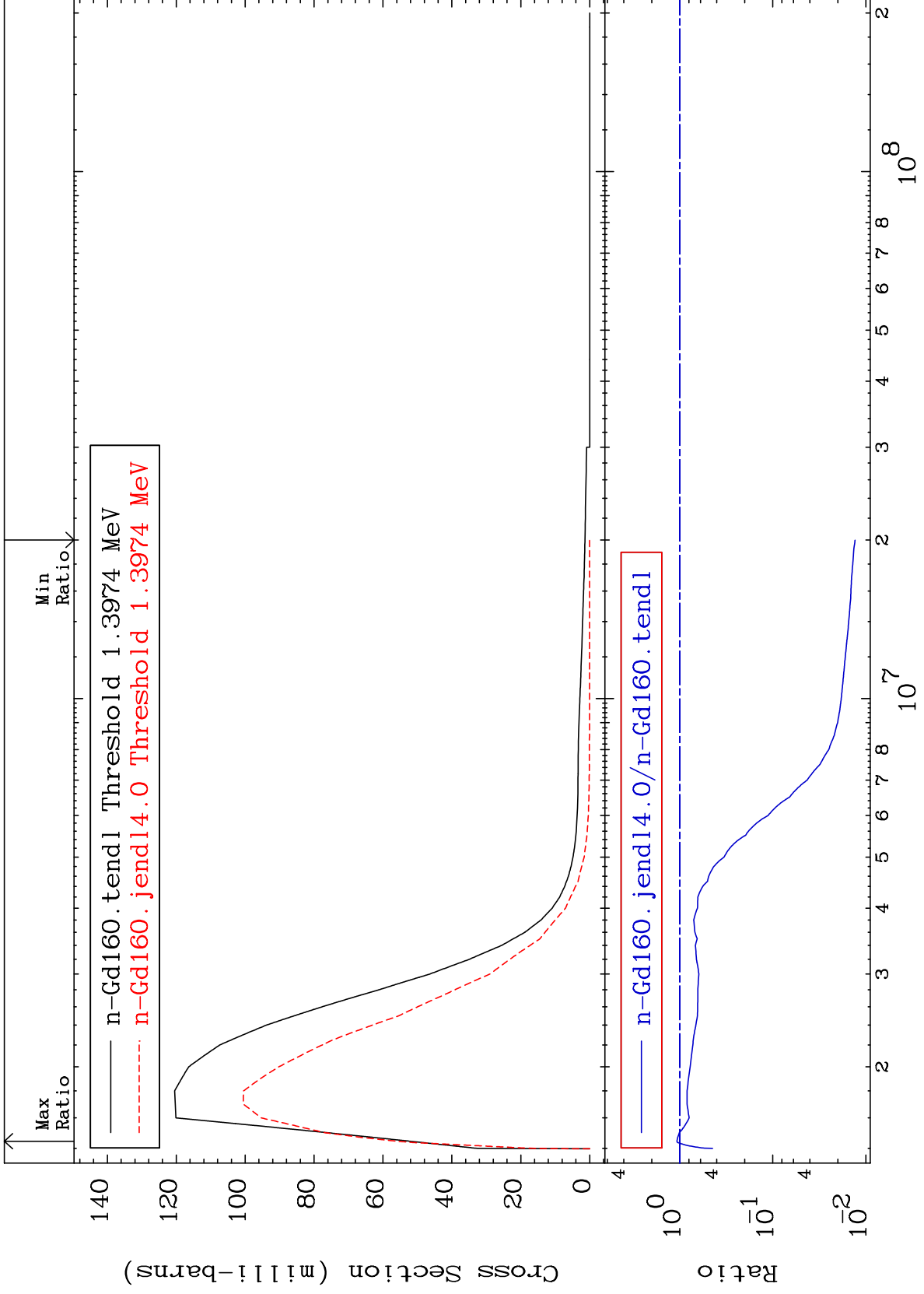
64-Gd-160
-33.08 To 9999. %



MAT 6449

MT= 73 (n, n') Level
Cross Section

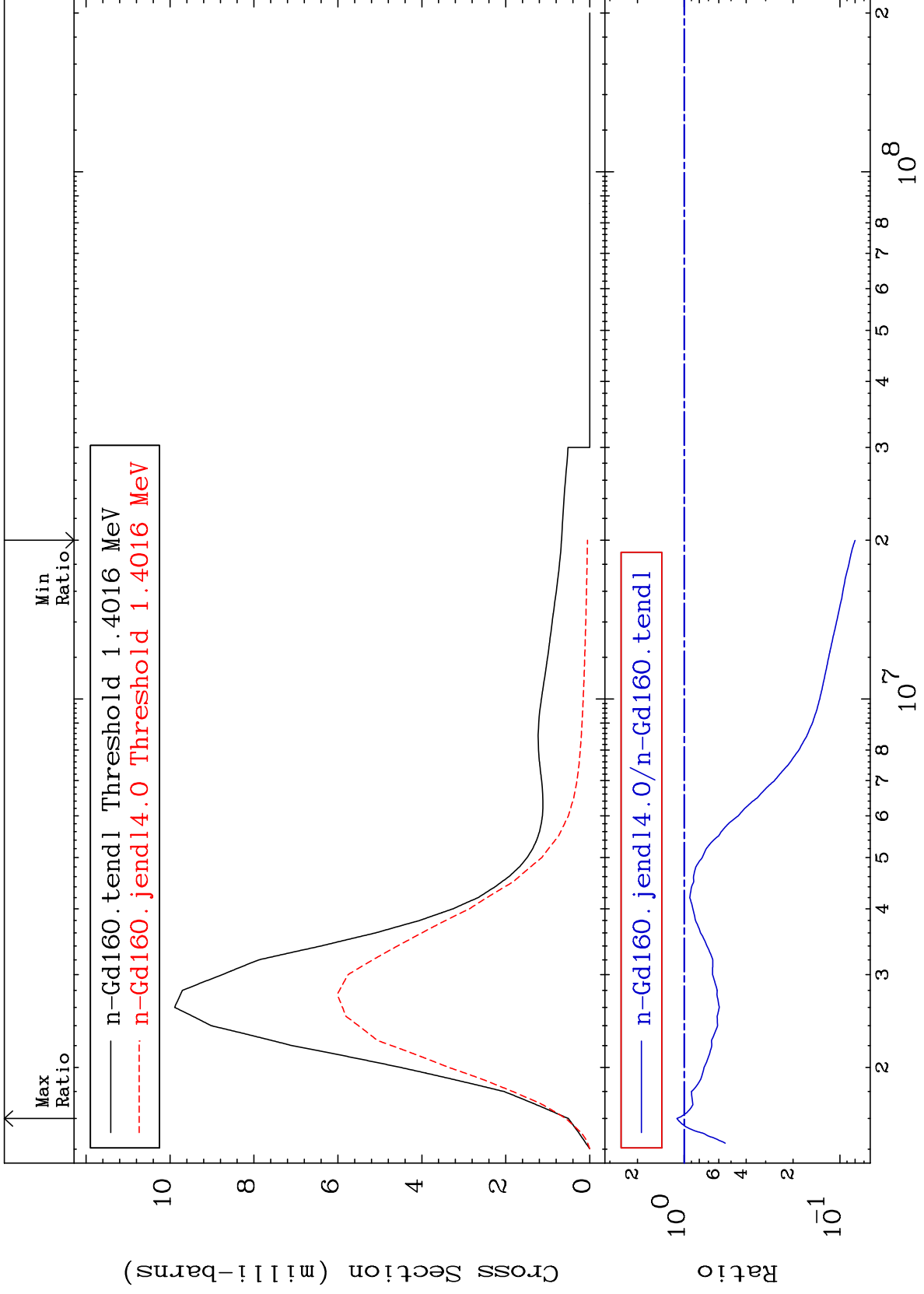
64-Gd-160
-98.70 To 7.370 %



MAT 6449

MT= 74 (n, n') Level
Cross Section

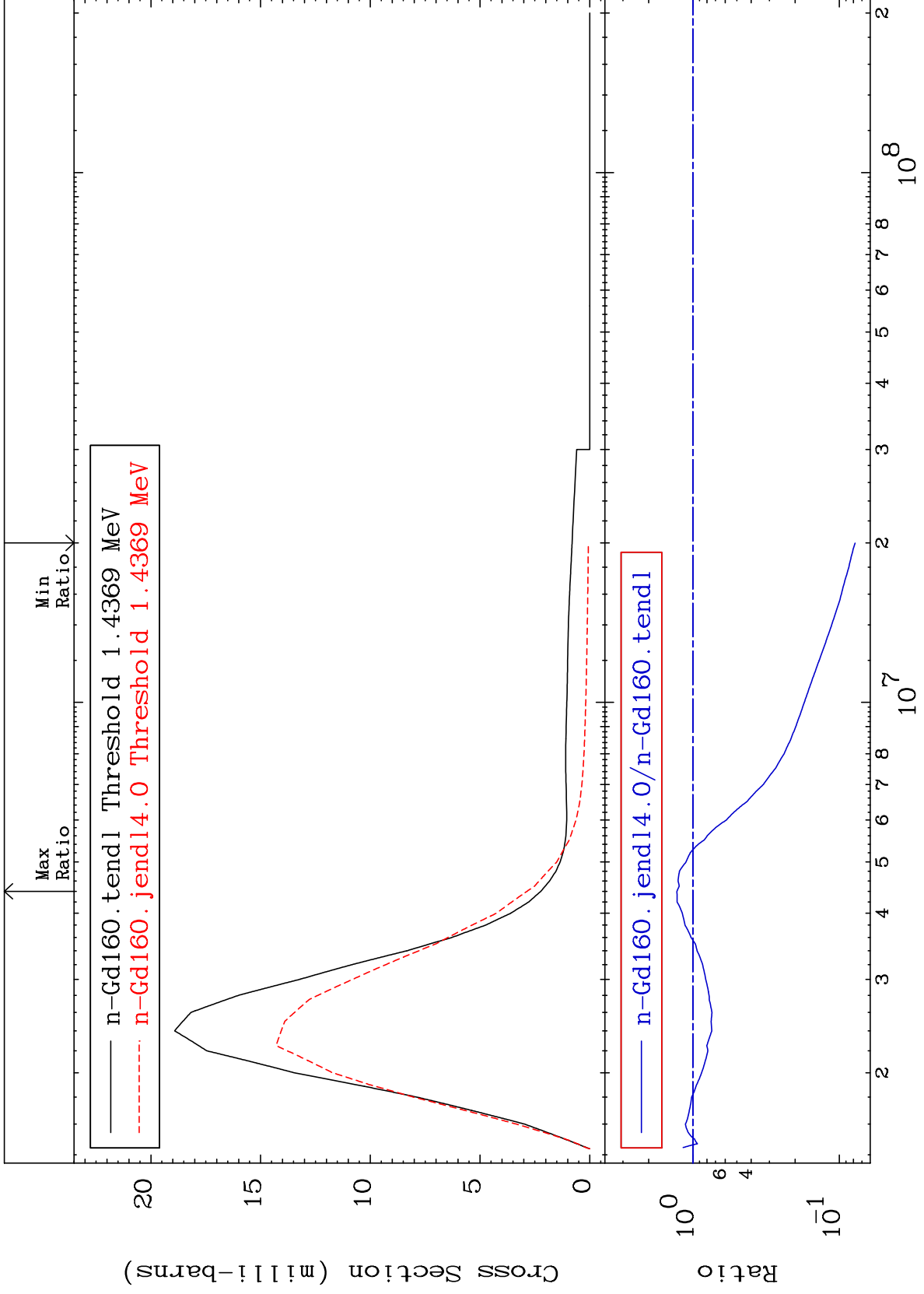
64-Gd-160
-92.01 To 11.42 %

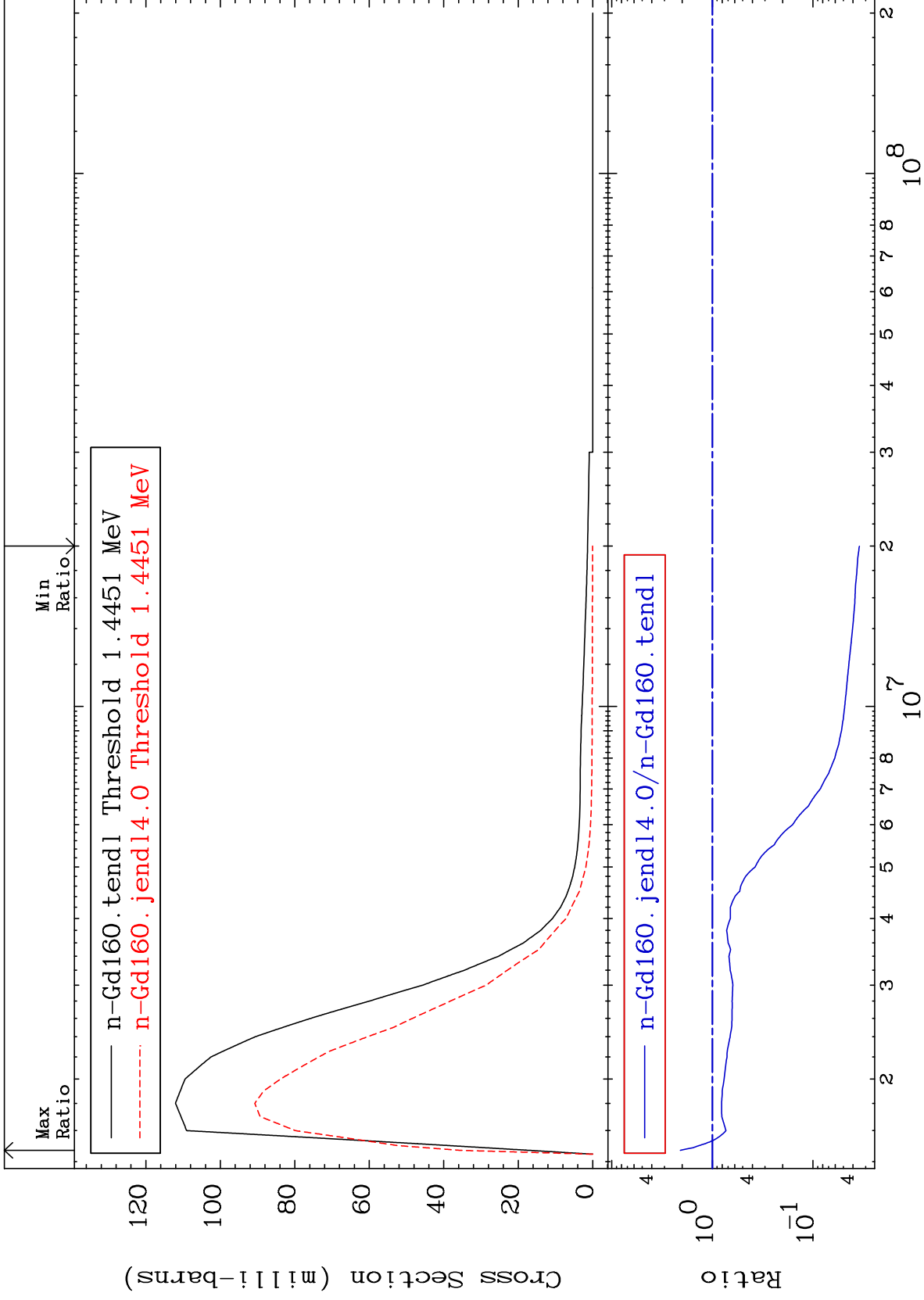


MAT 6449

MT= 75 (n,n') Level
Cross Section

64-Gd-160
-92.21 To 28.42 %

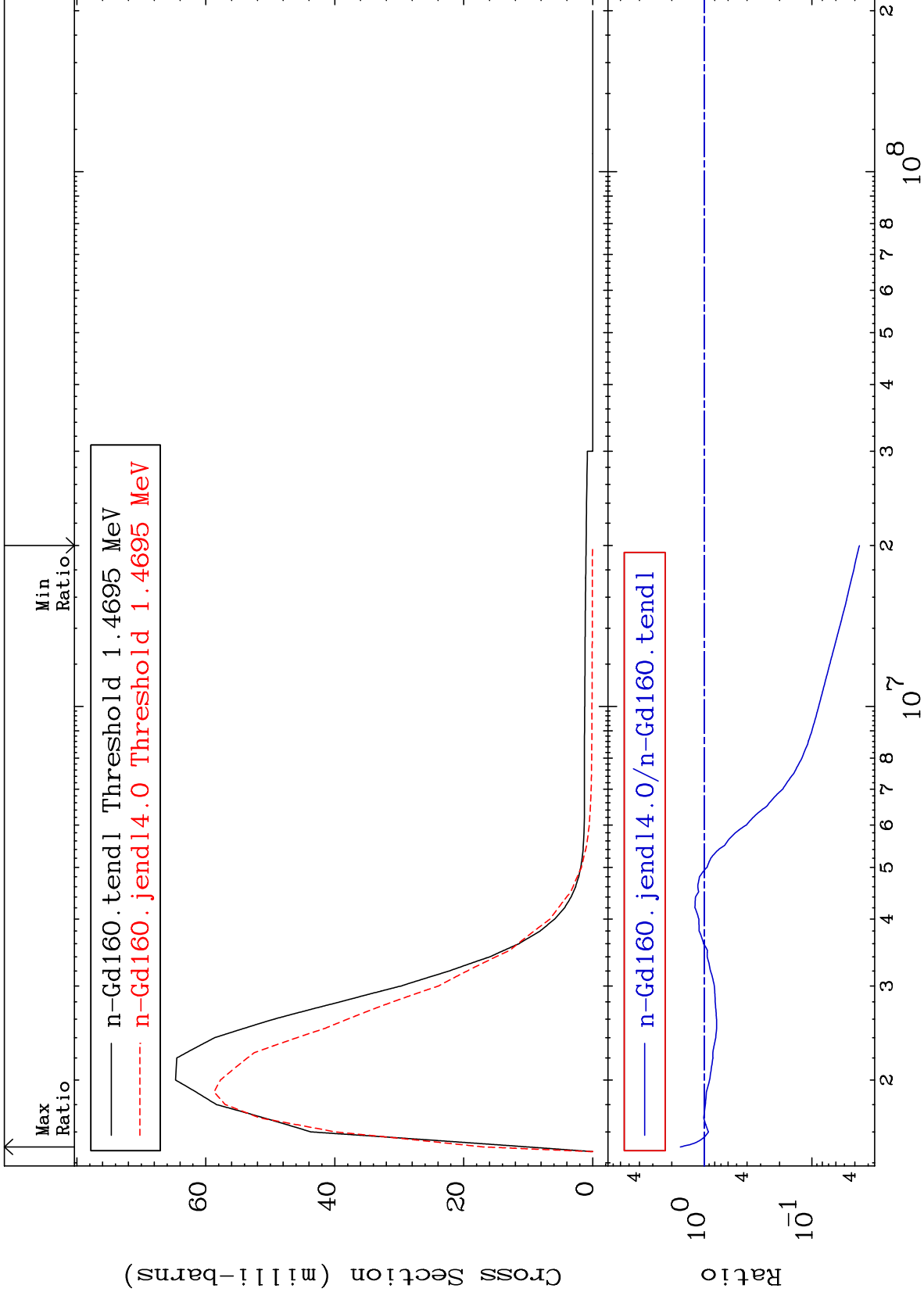




MAT 6449

MT= 77 (n, n') Level
Cross Section

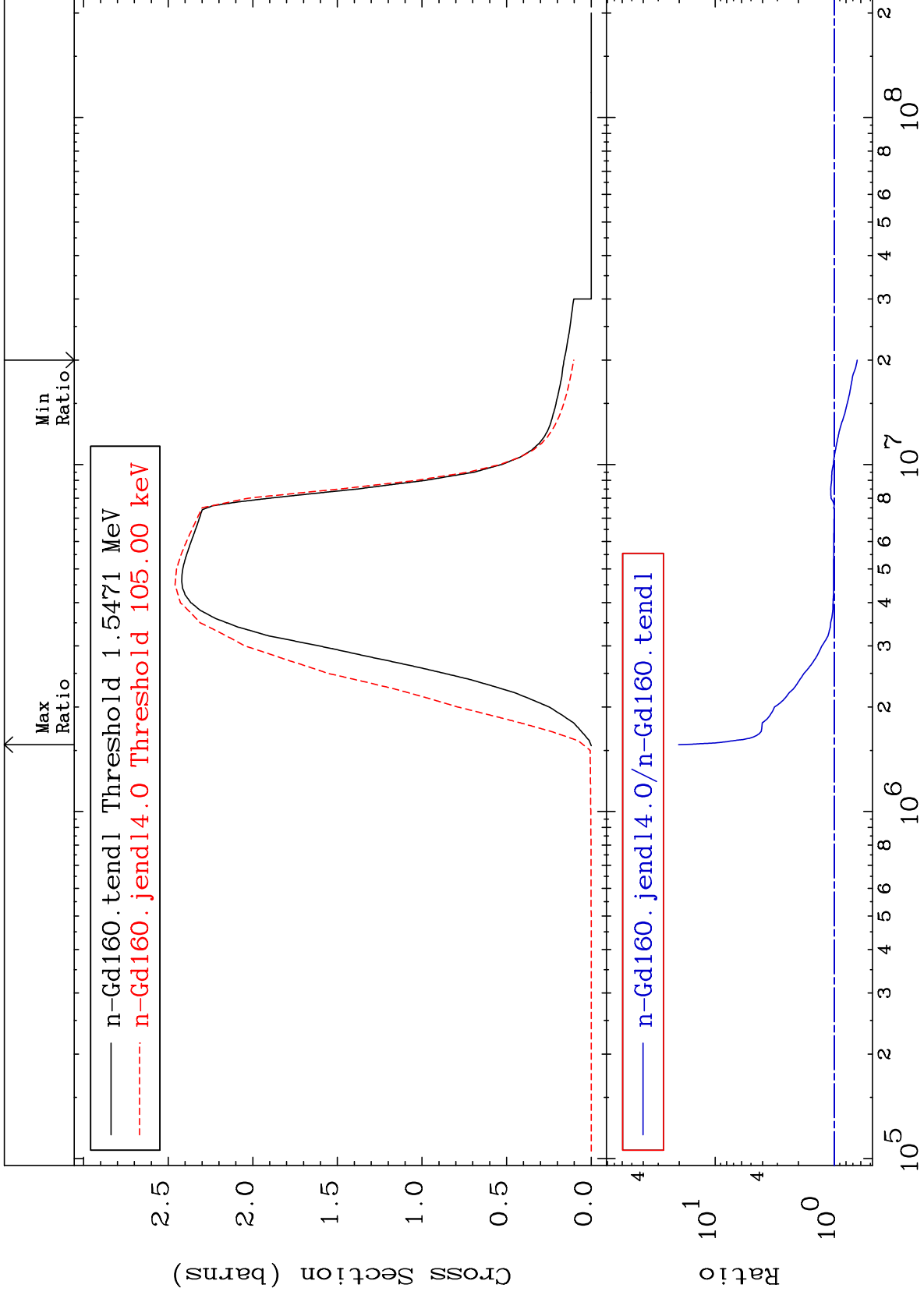
64-Gd-160
-96.38 To 66.69 %



MAT 6449

(n, n') Continuum
Cross Section

64-Gd-160
-35.73 To 1922. %



38

64-Gd-160

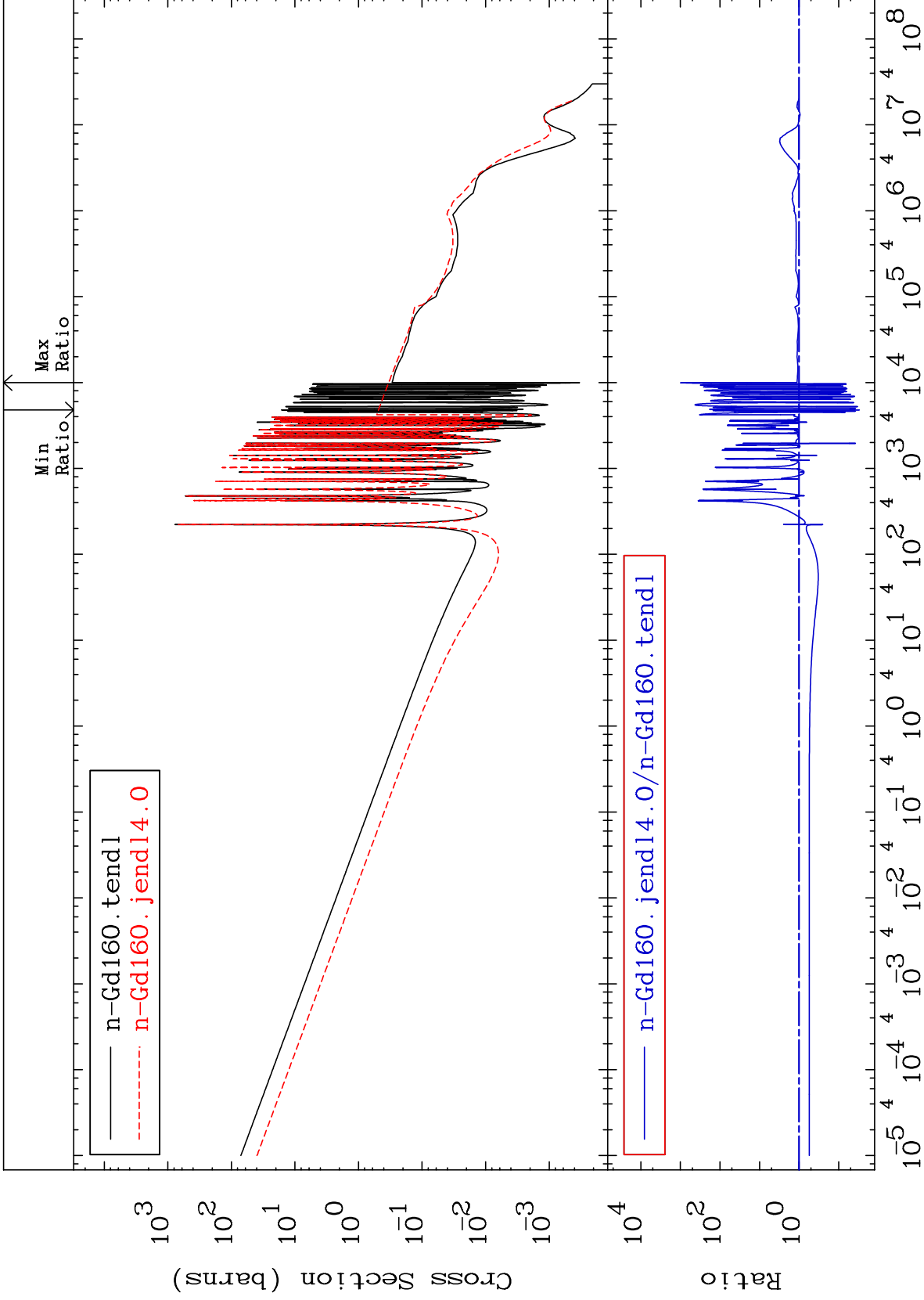
MAT 6449

(n, γ)

64-Gd-160

Cross Section

-96.99 To 9999. %



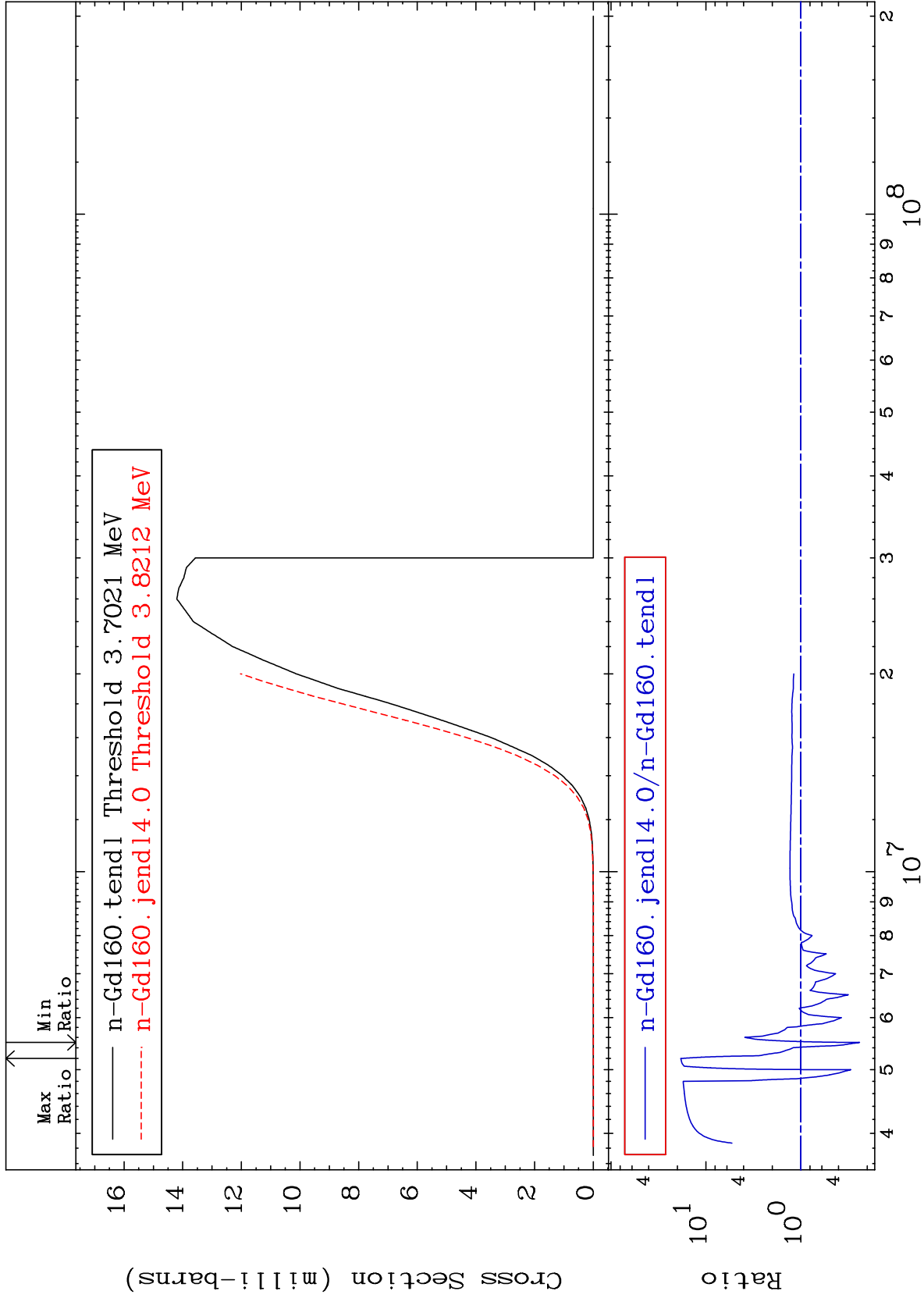
MAT 6449

(n,p)

64-Gd-160

Cross Section

-75.93 To 1739. %



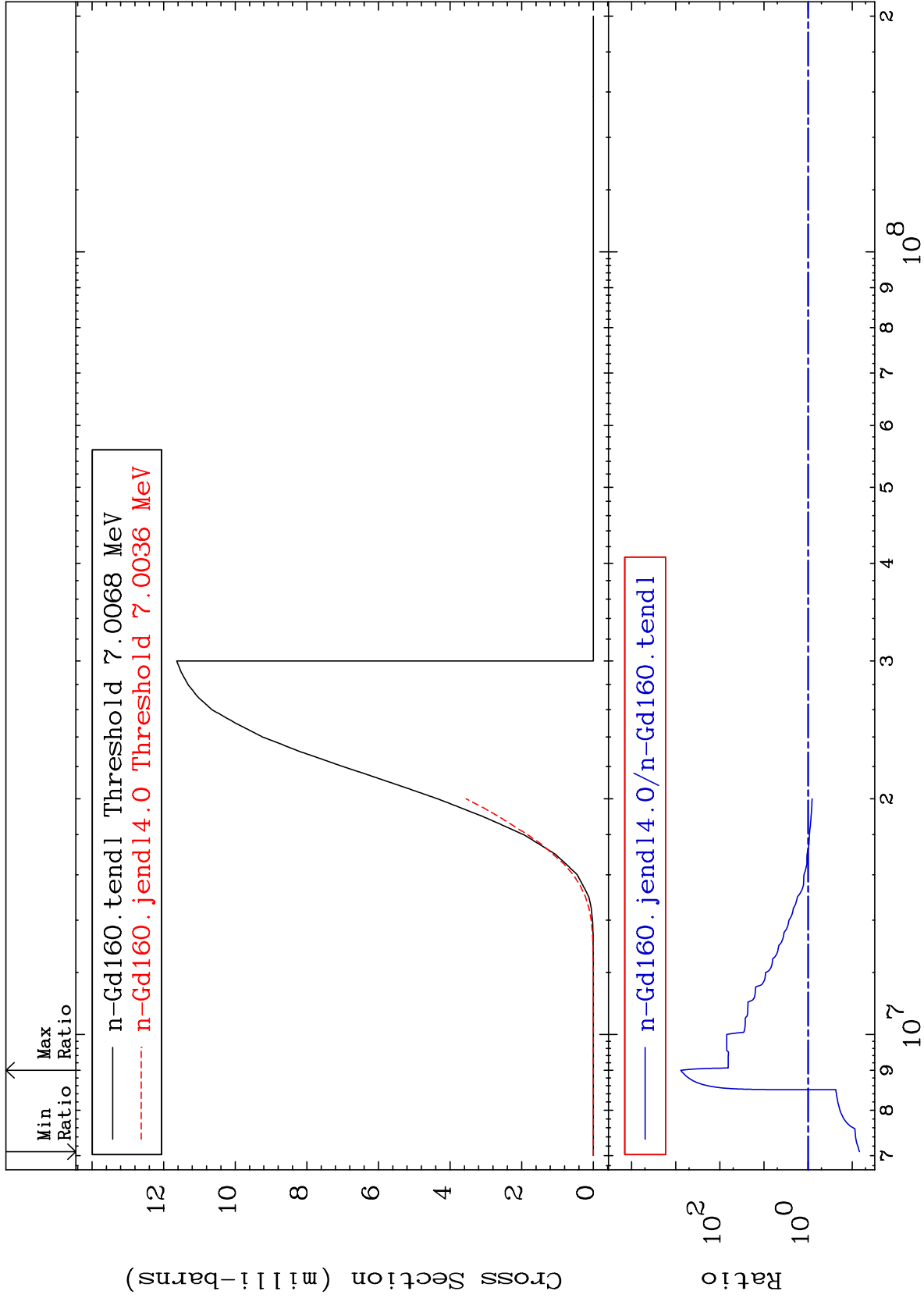
40

64-Gd-160

64-Gd-160

Cross Section

-93.15 To 9999. %



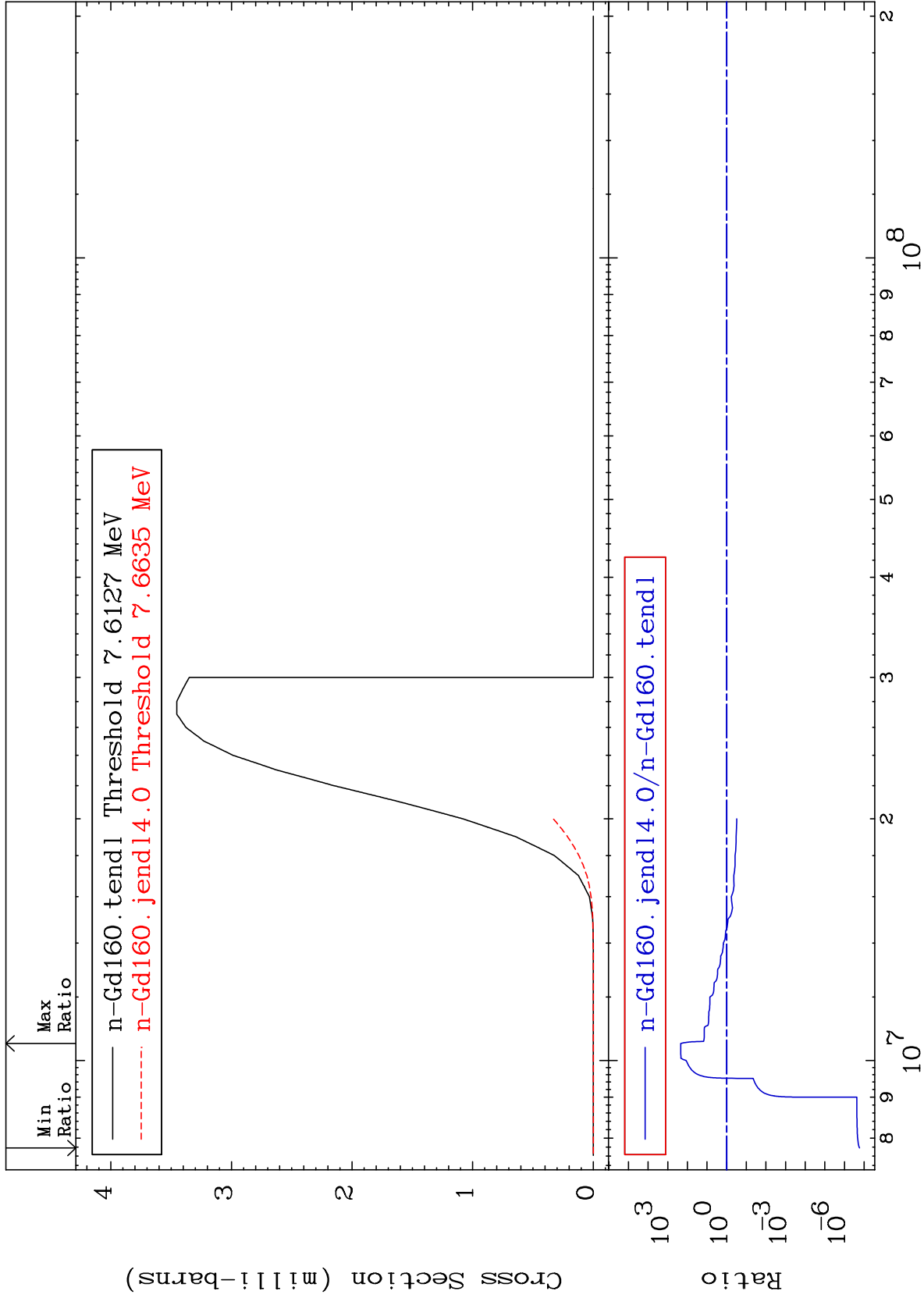
MAT 6449

(n, t)

64-Gd-160

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

64-Gd-160

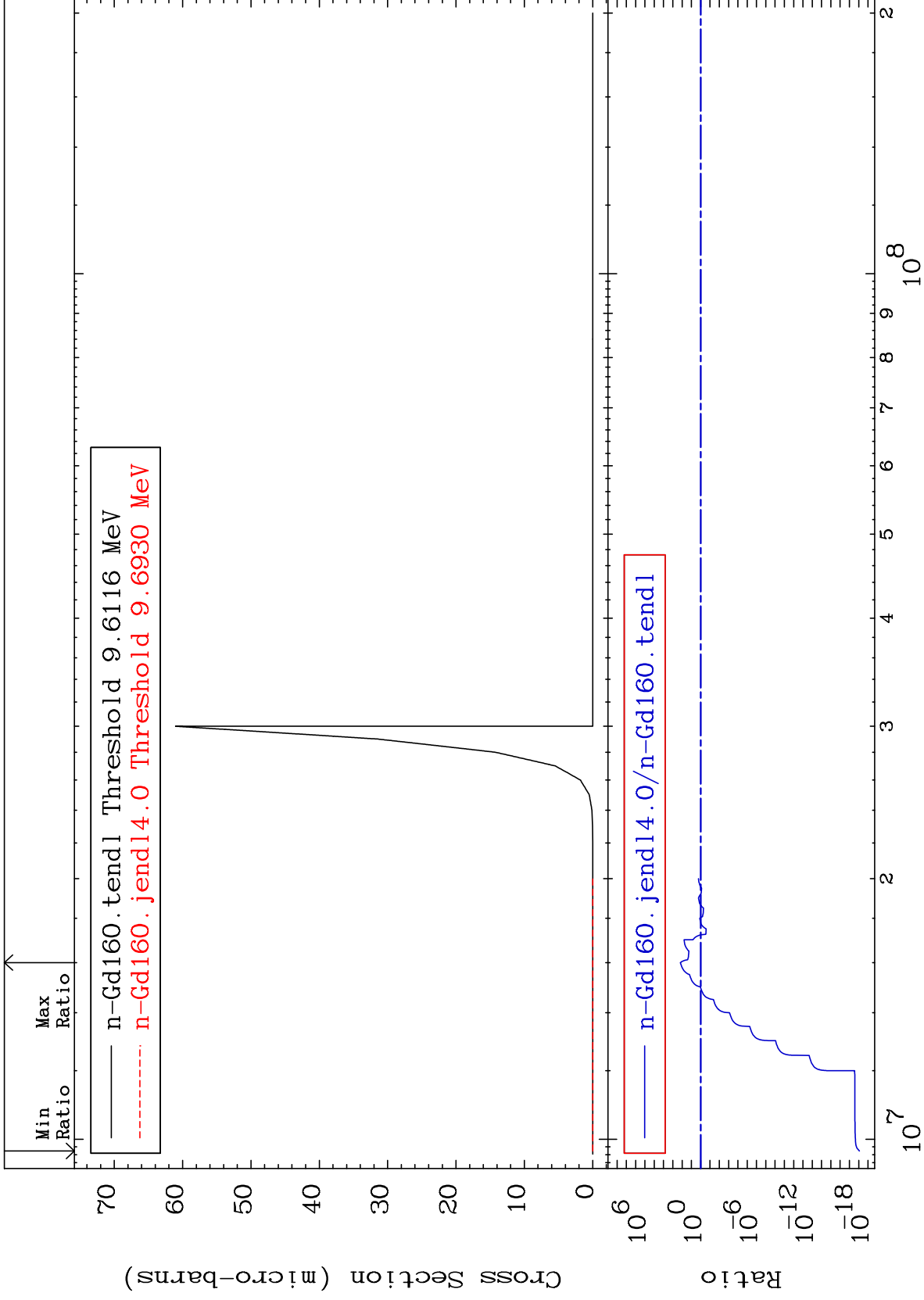
MAT 6449

(n, He-3)

64-Gd-160

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

64-Gd-160

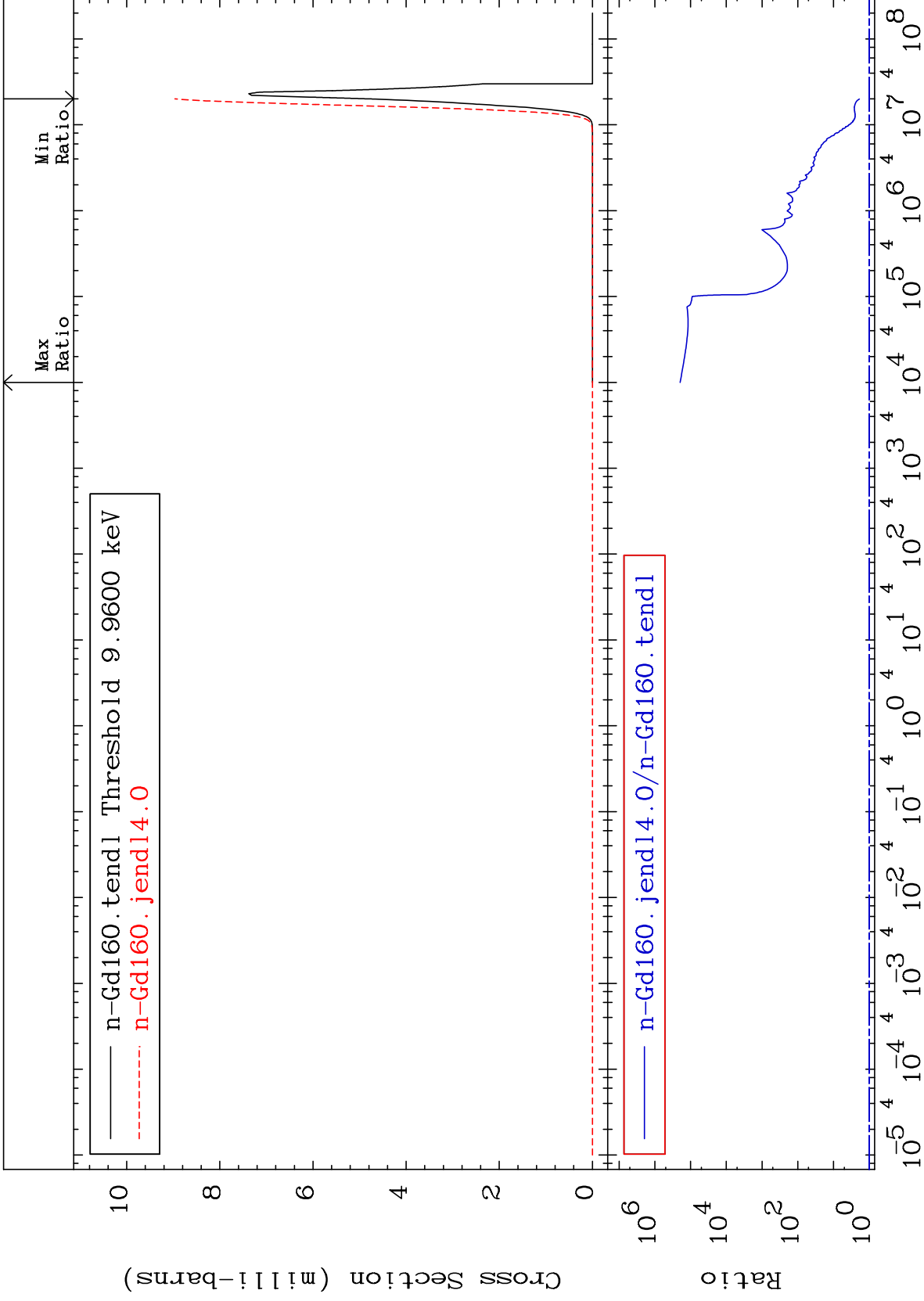
MAT 6449

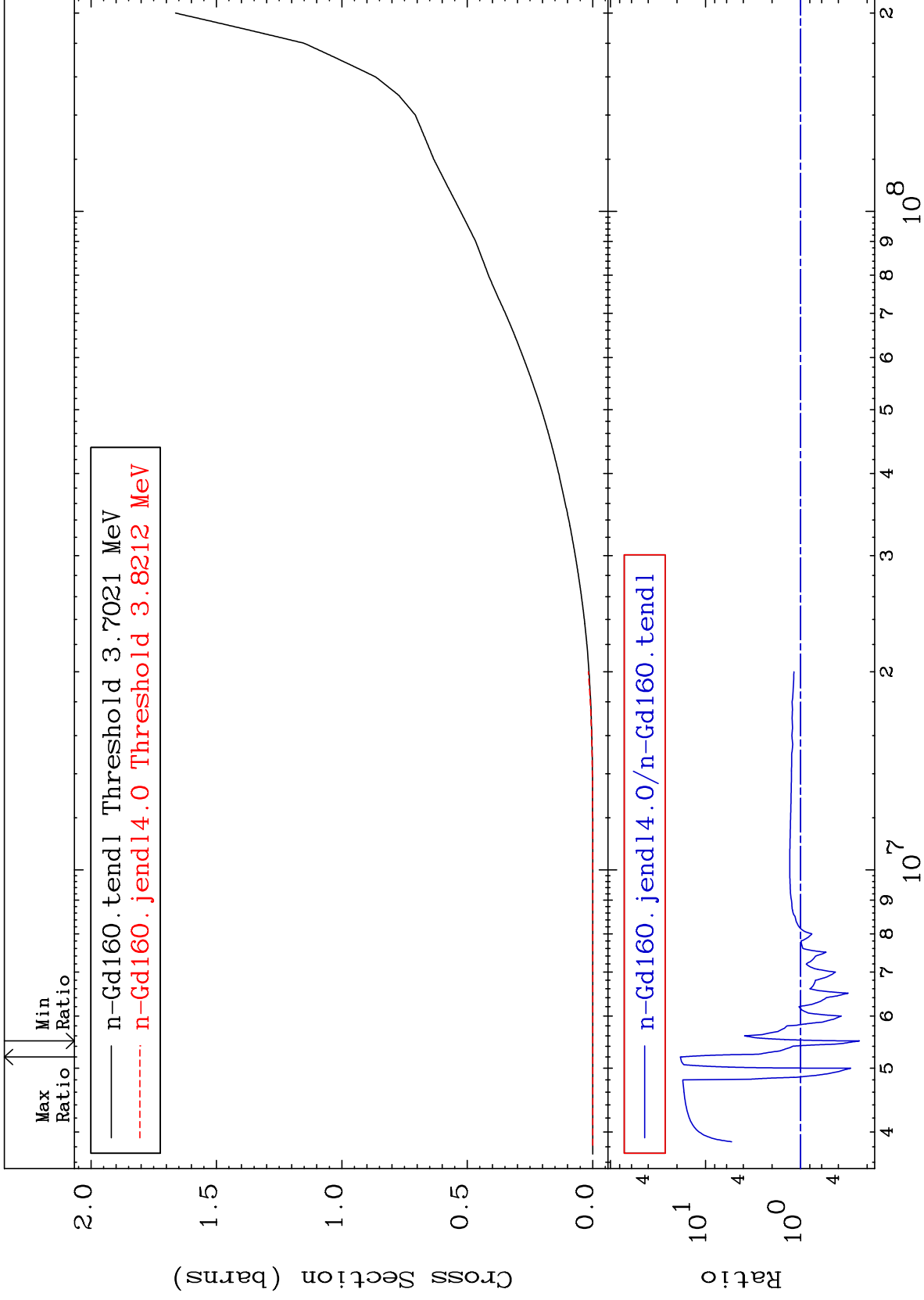
(n, α)

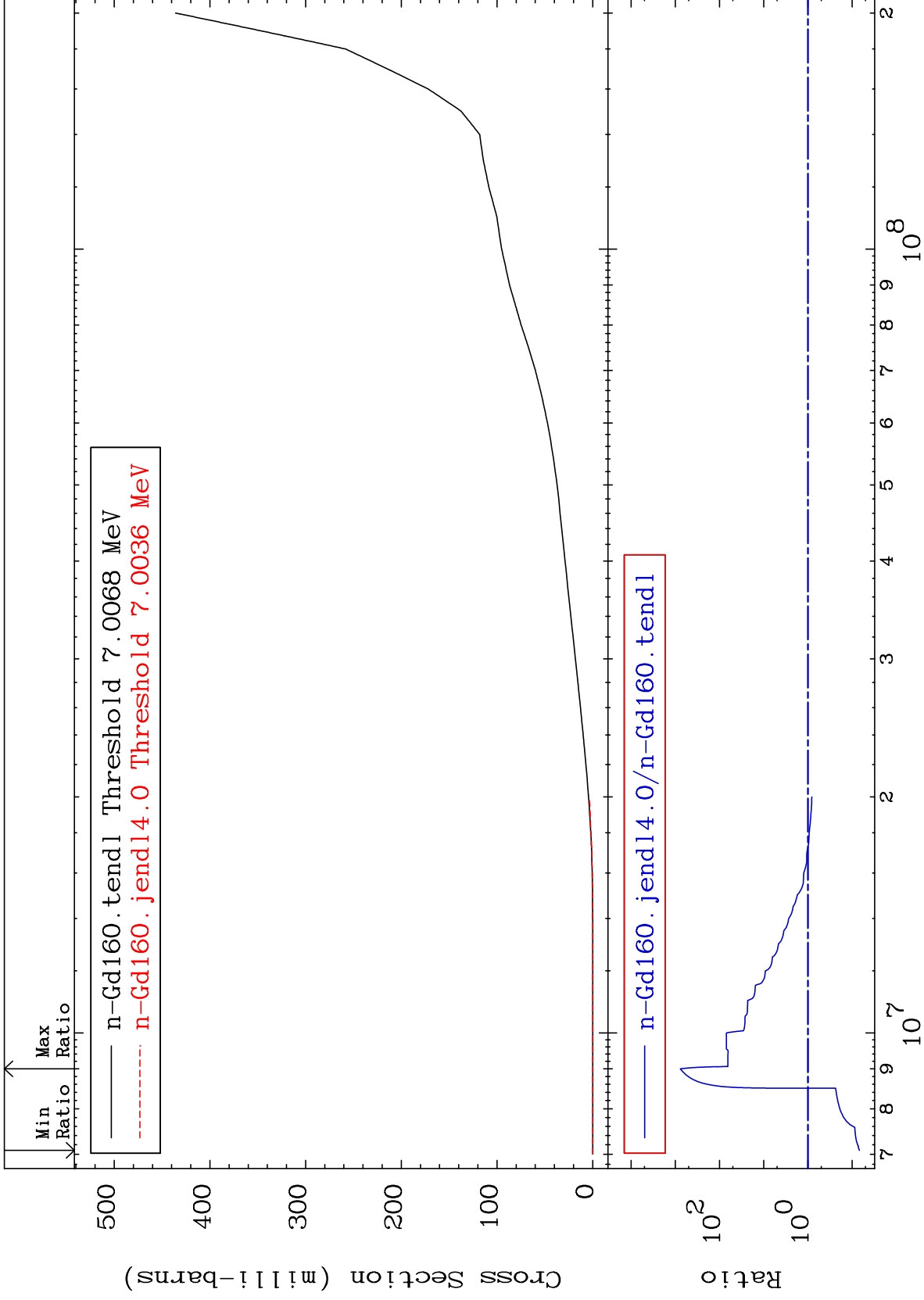
64-Gd-160

Cross Section

88.77 To 9999. %



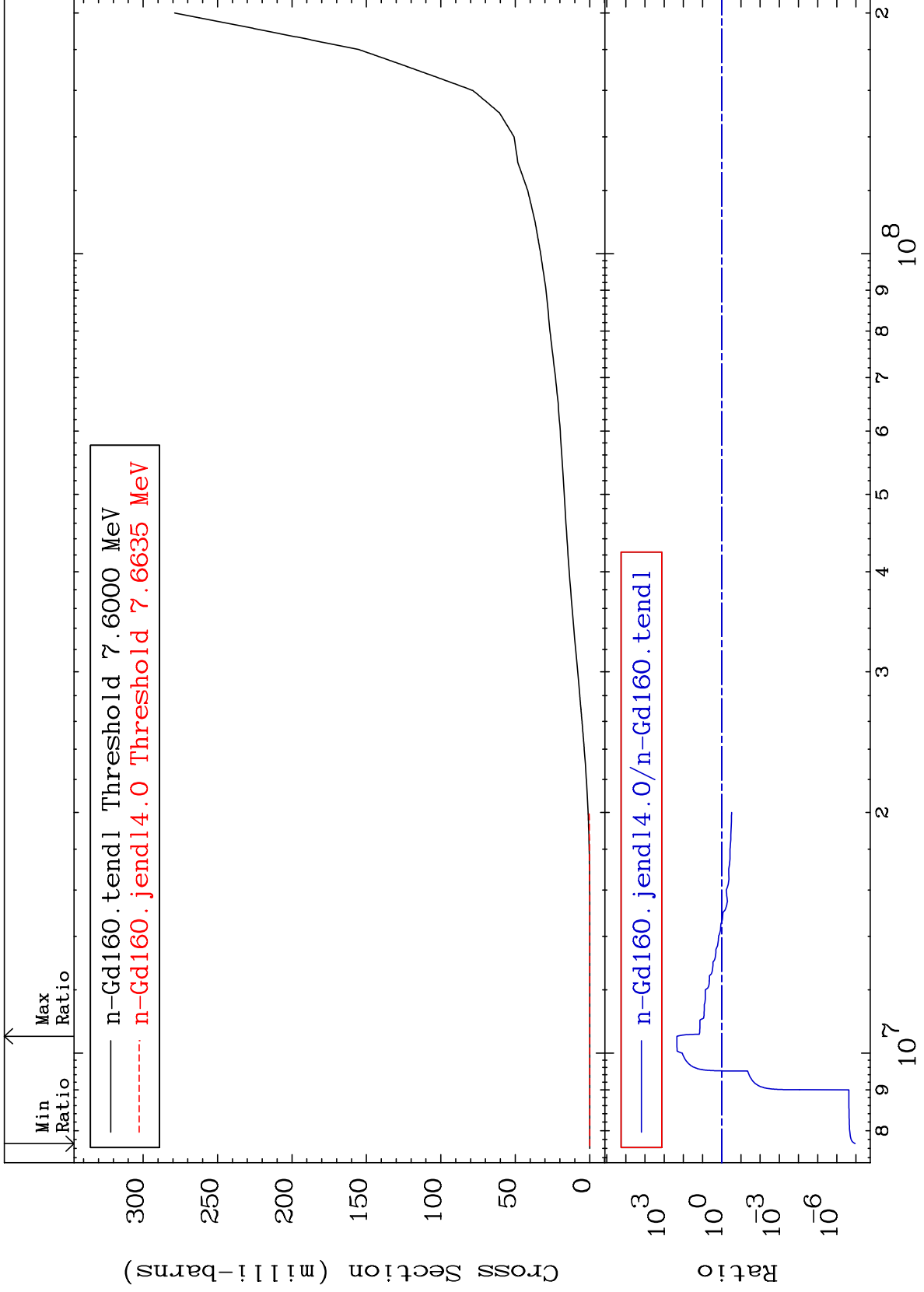




MAT 6449

Tritium Production
Cross Section

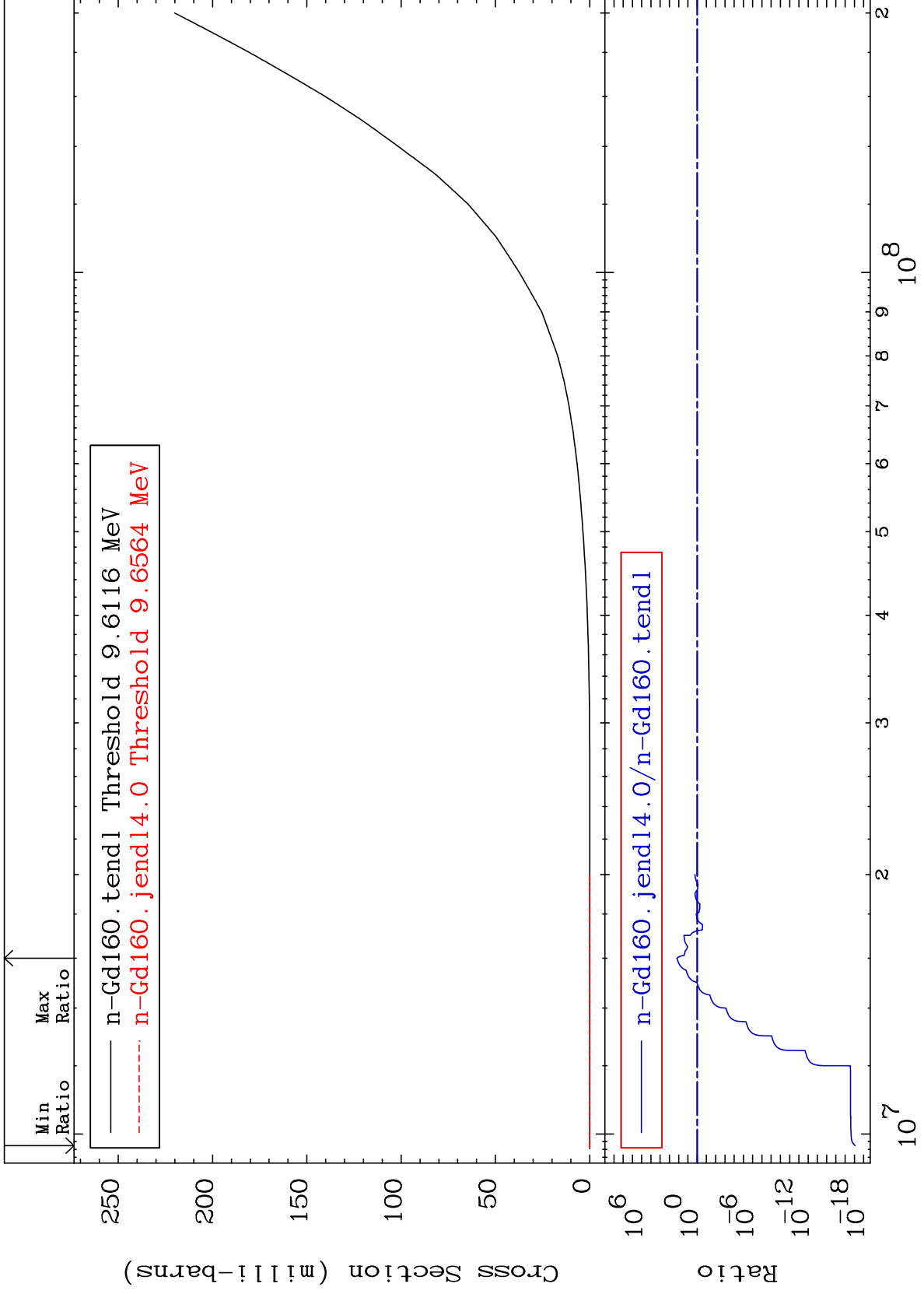
64-Gd-160
-100.0 To 9999. %



MAT 6449

He-3 Production
Cross Section

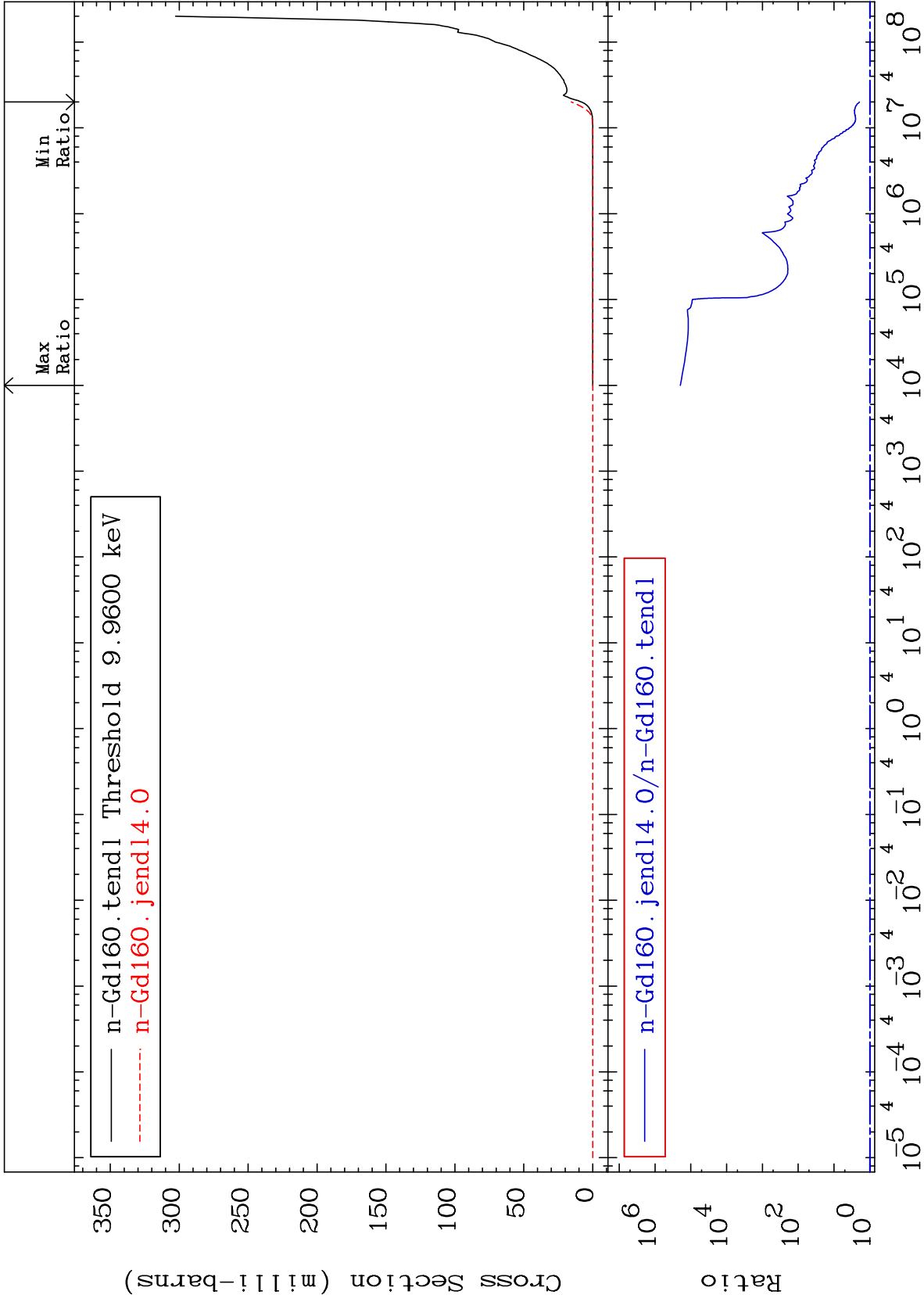
64-Gd-160
-100.0 To 9999. %

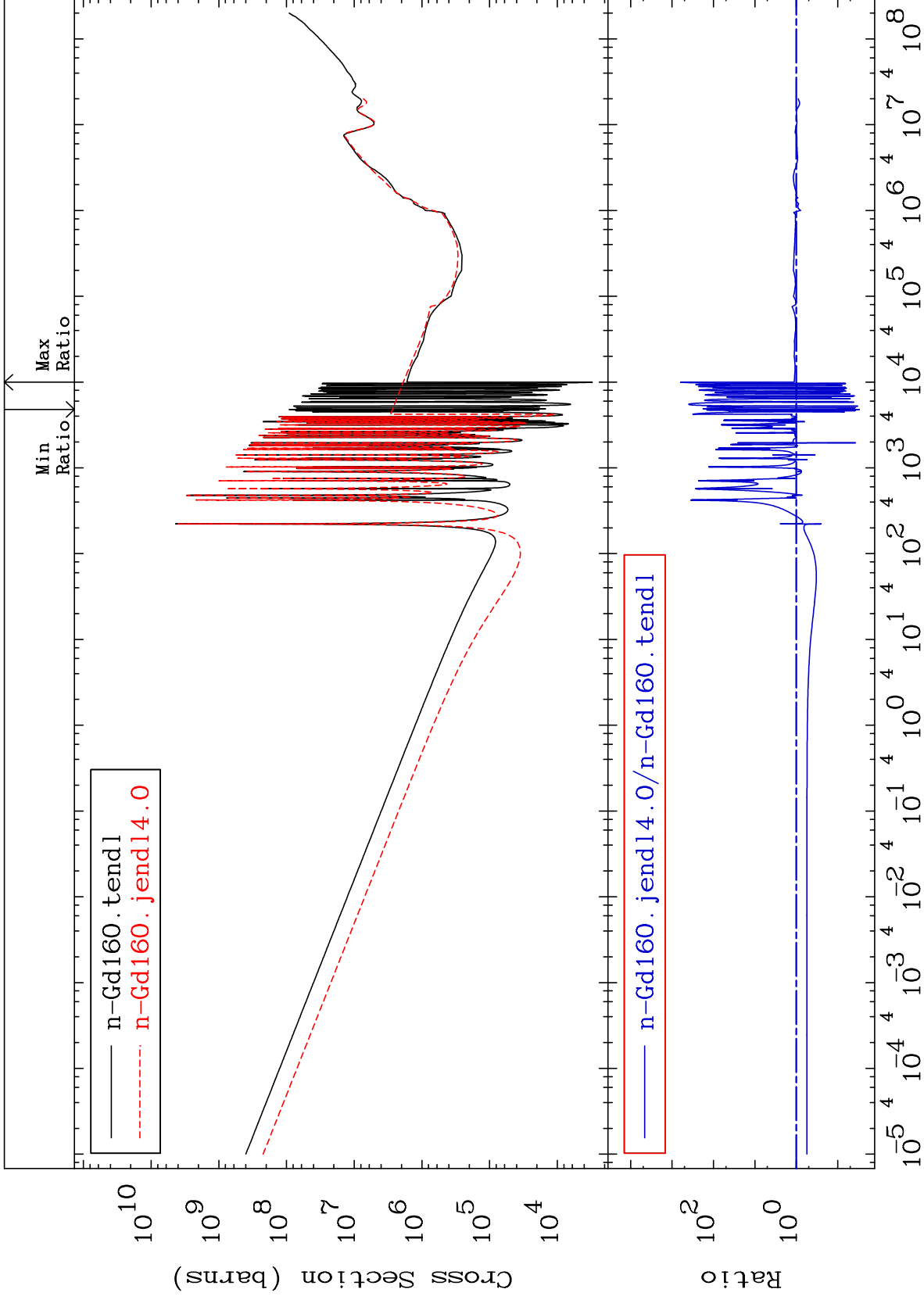


48

Incident Energy (eV)

64-Gd-160

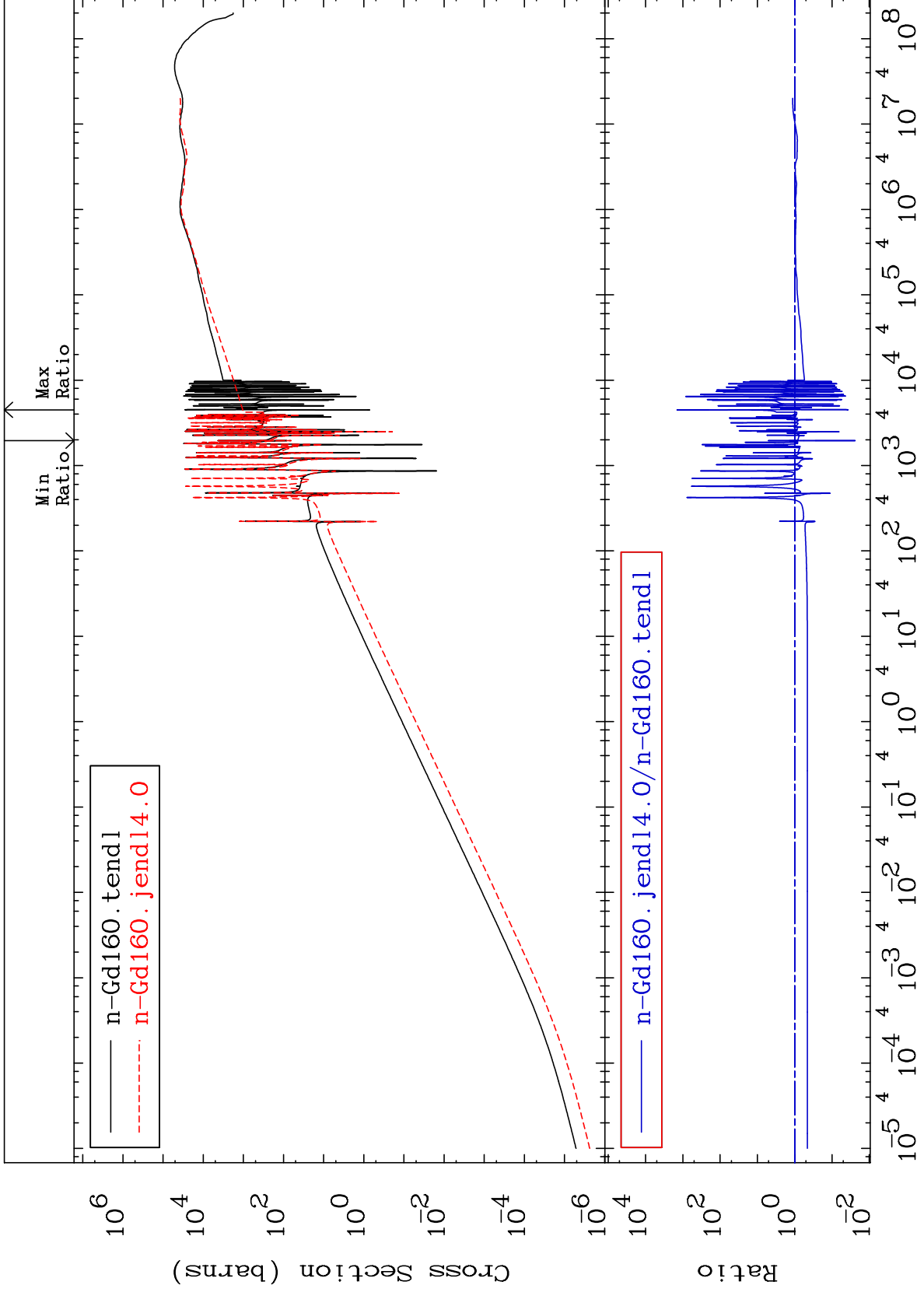


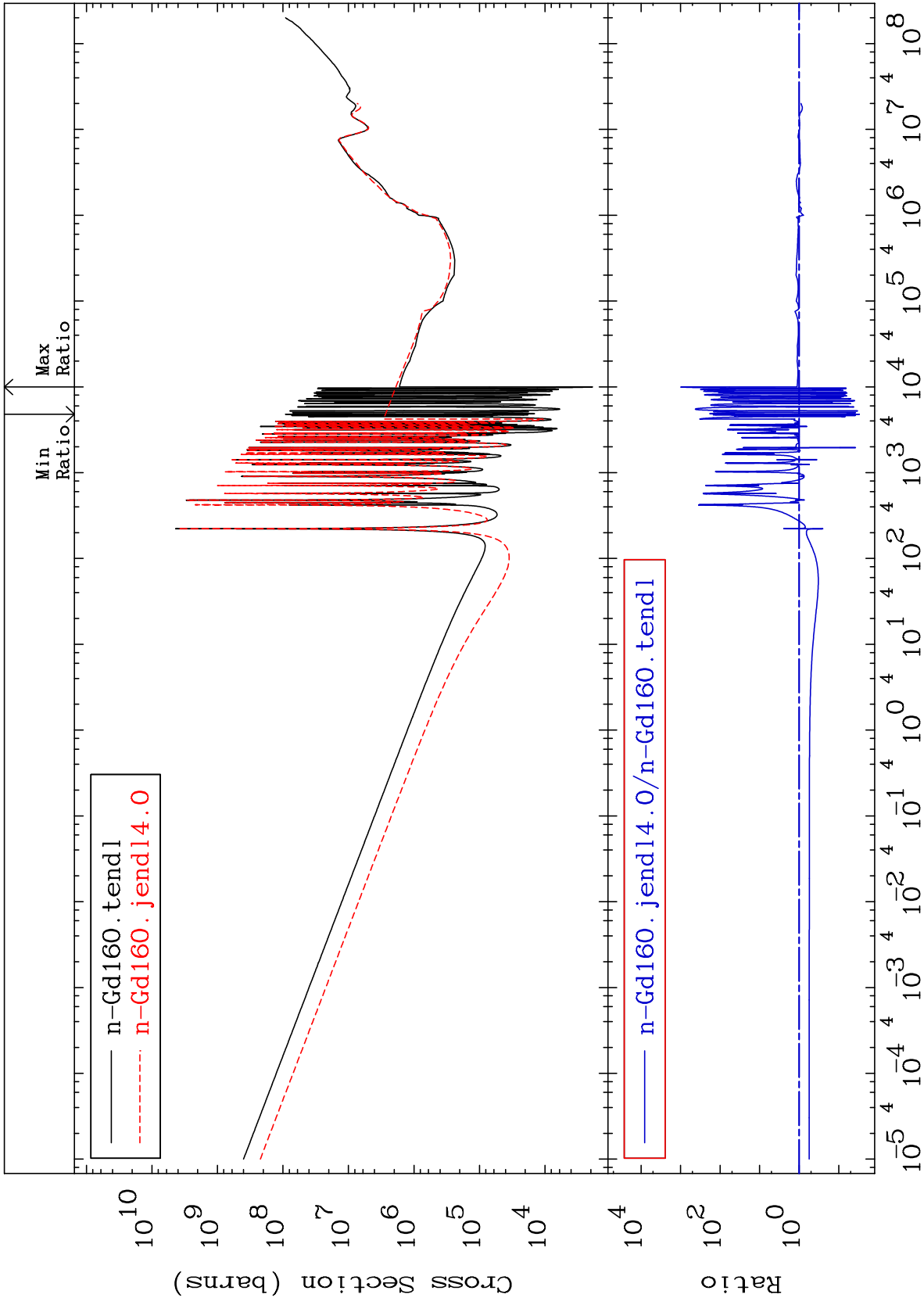


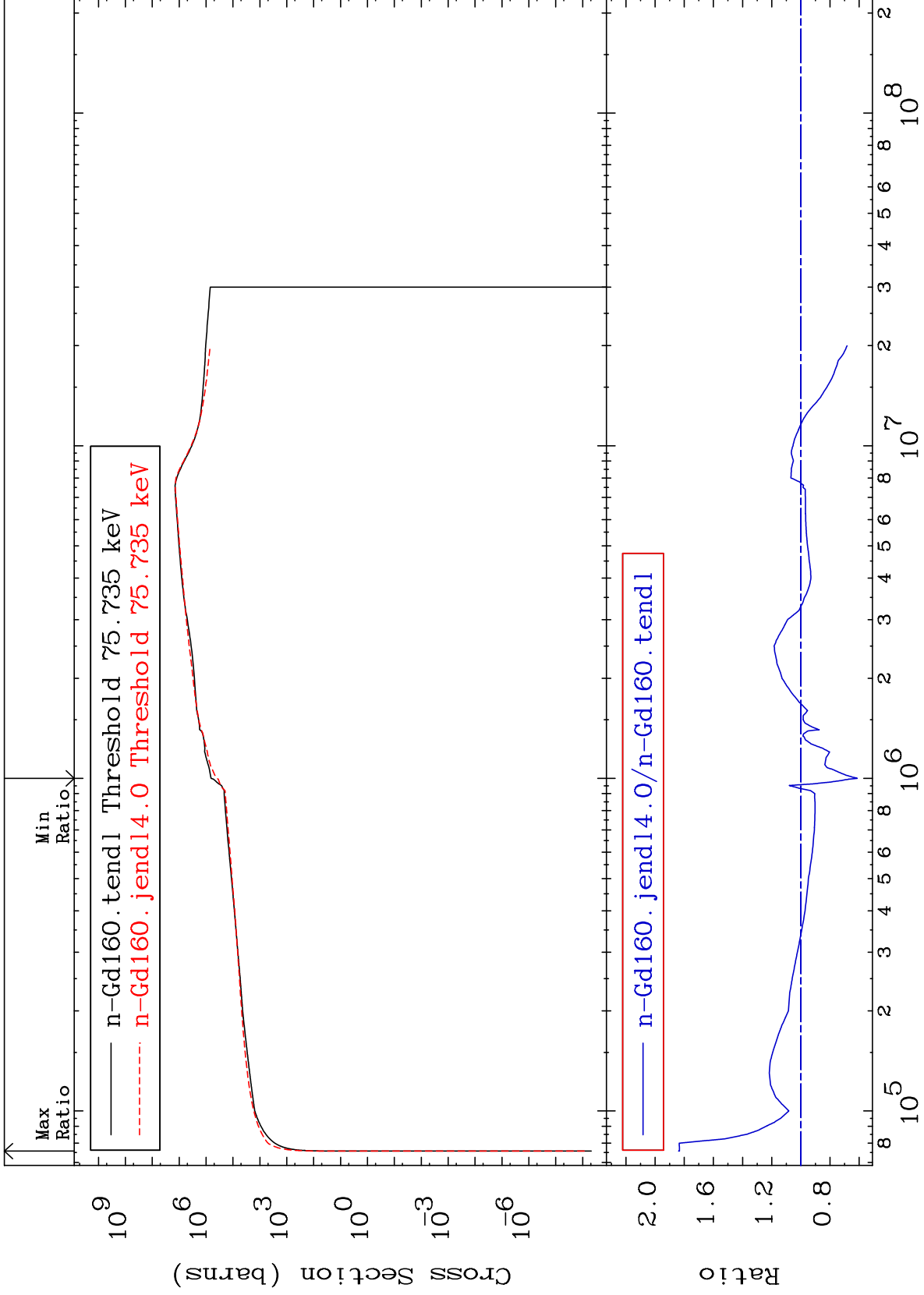
MAT 6449

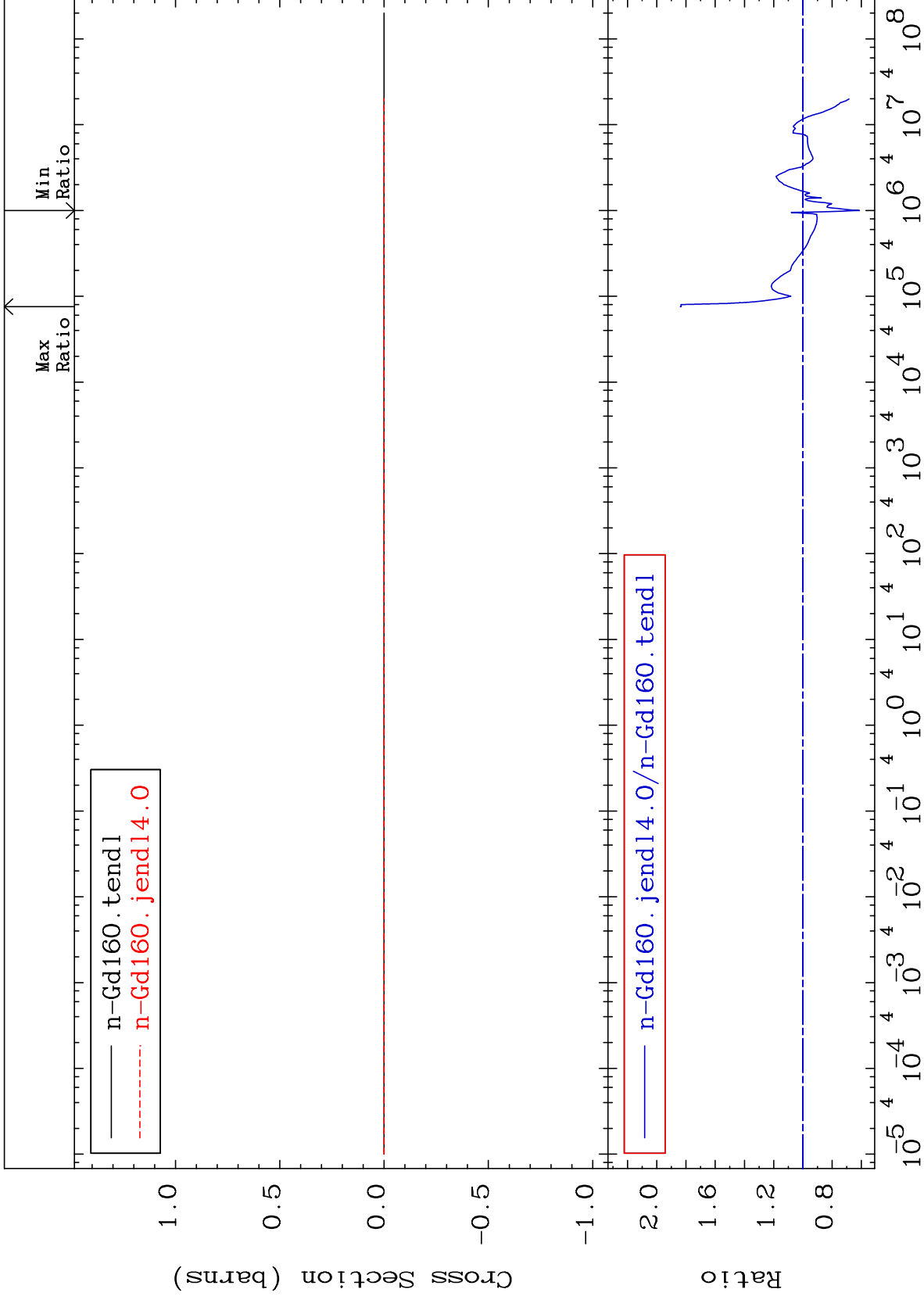
Kerma elastic
Cross Section

64-Gd-160
-97.60 To 9999. %





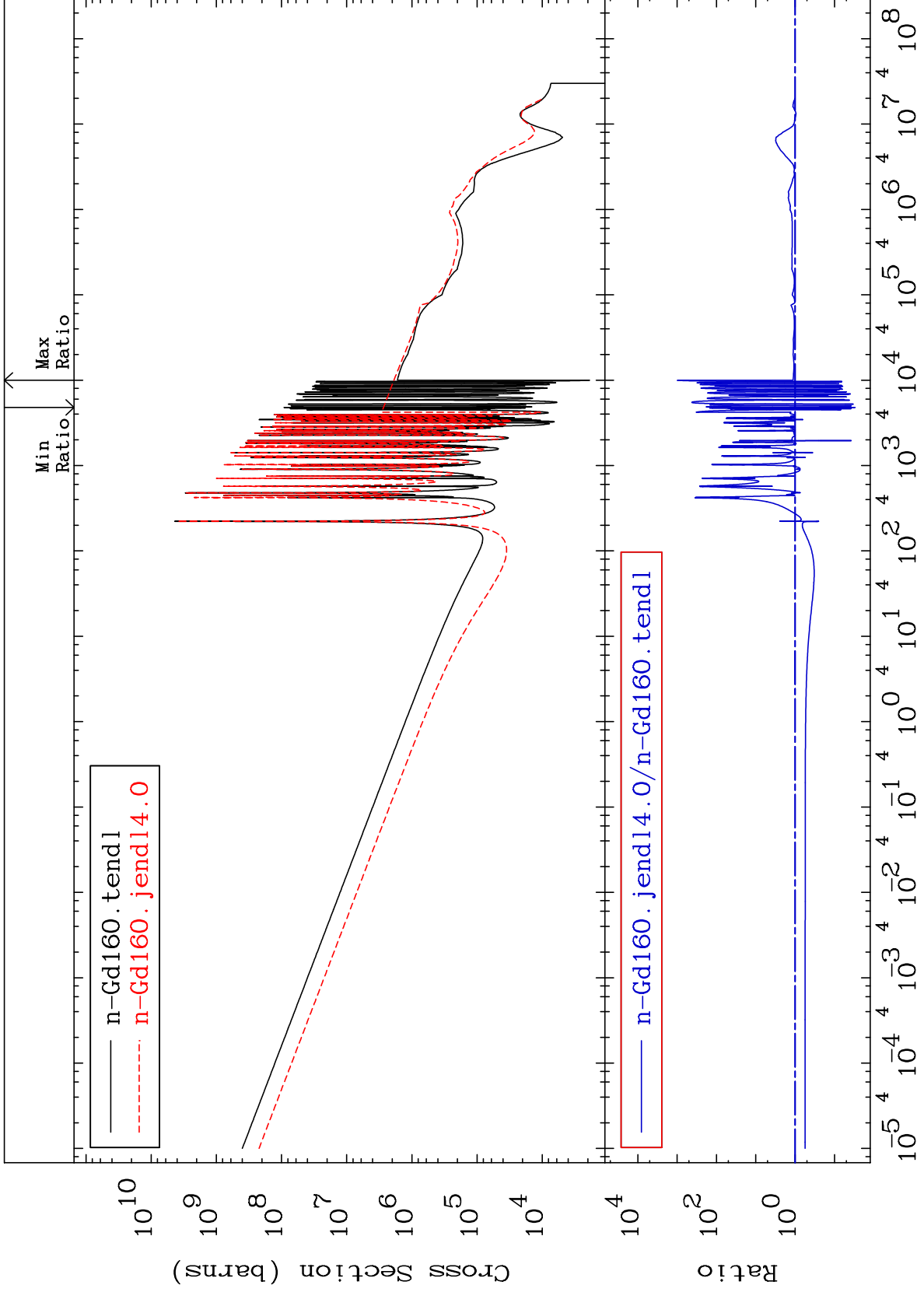




MAT 6449

Kerma capture (mt102)
Cross Section

64-Gd-160
-97.01 To 9999. %



55

Incident Energy (eV)

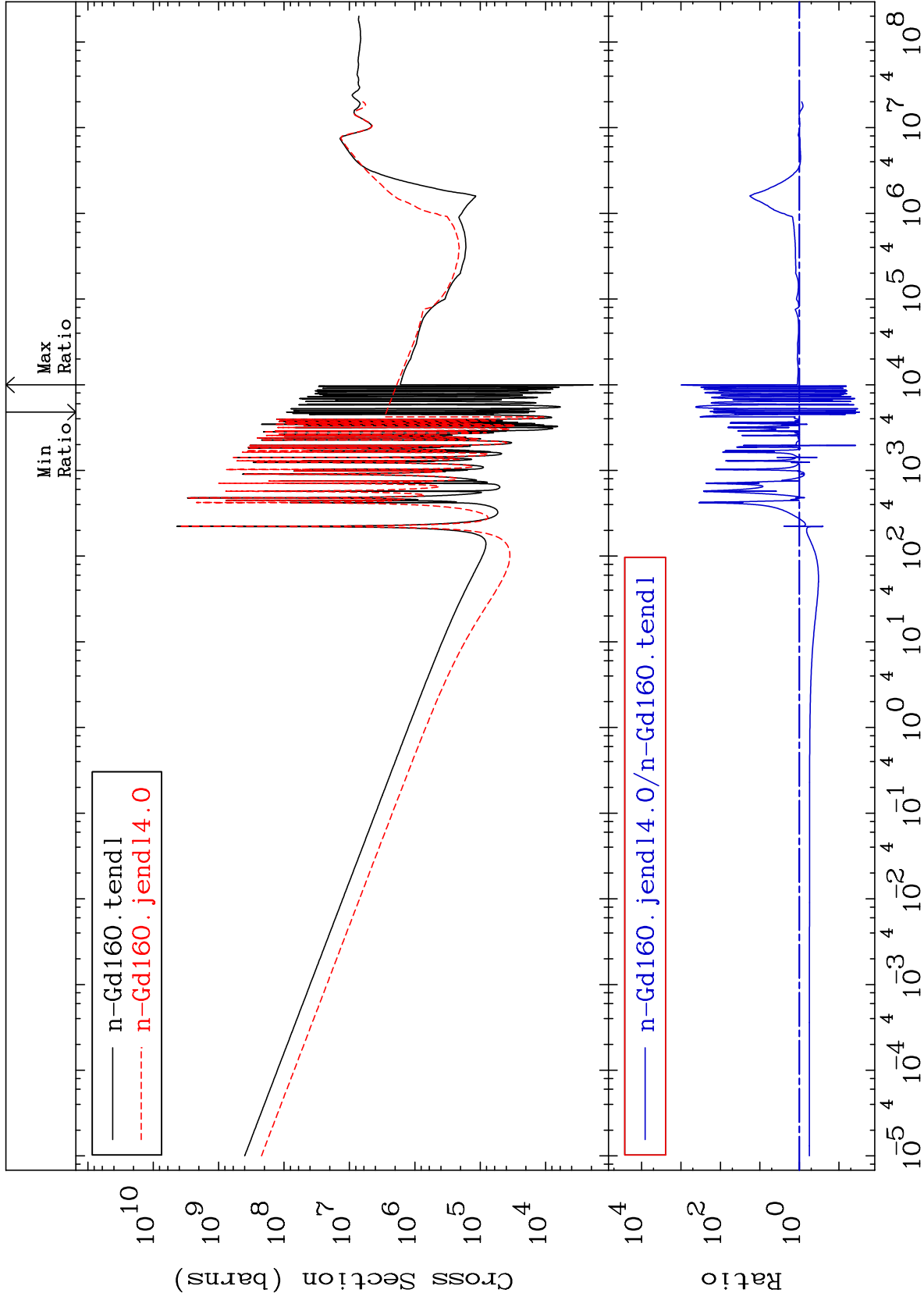
64-Gd-160

MAT 6449

Total photon (eV-barns)
Cross Section

64-Gd-160

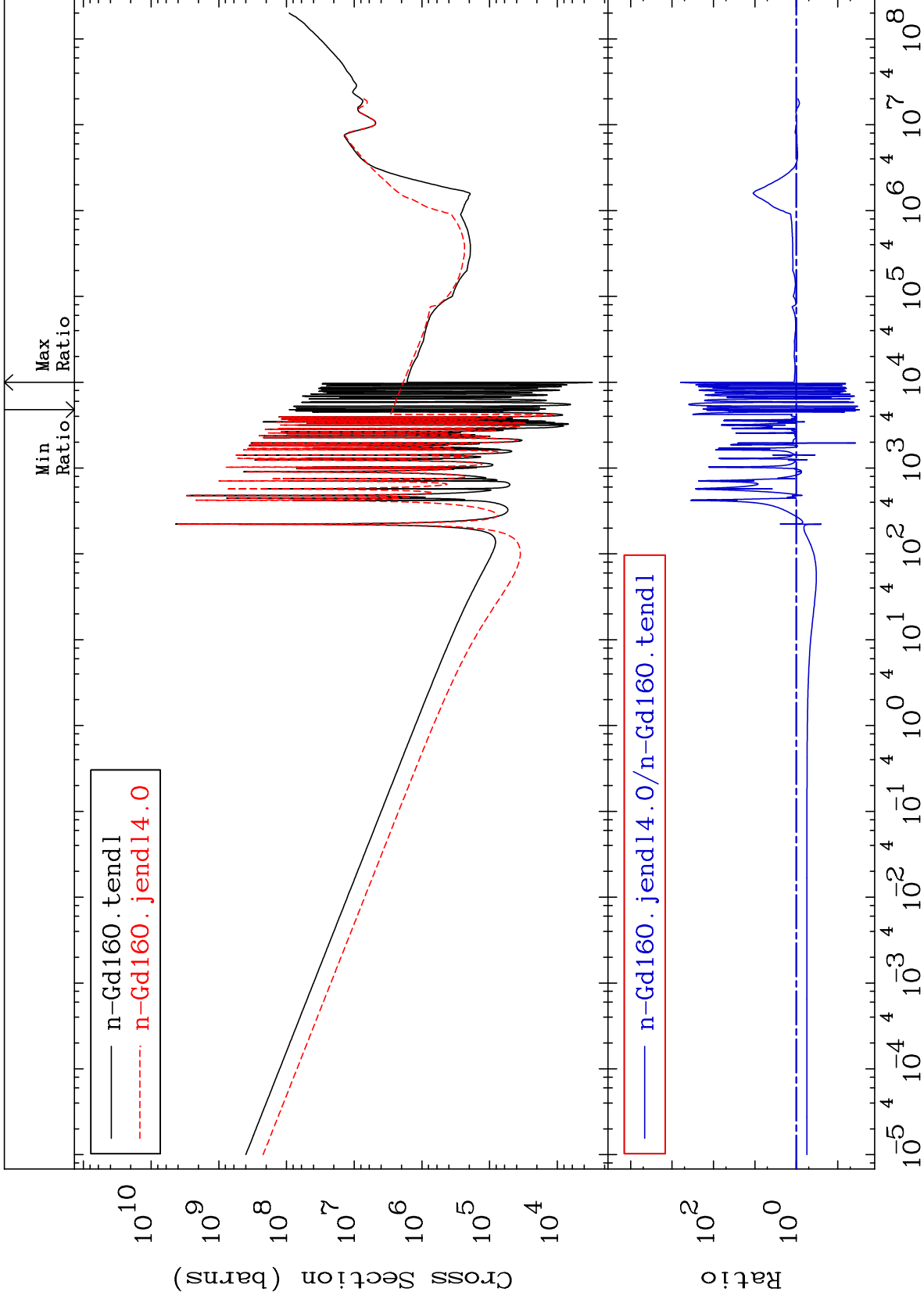
-97.01 To 9999. %

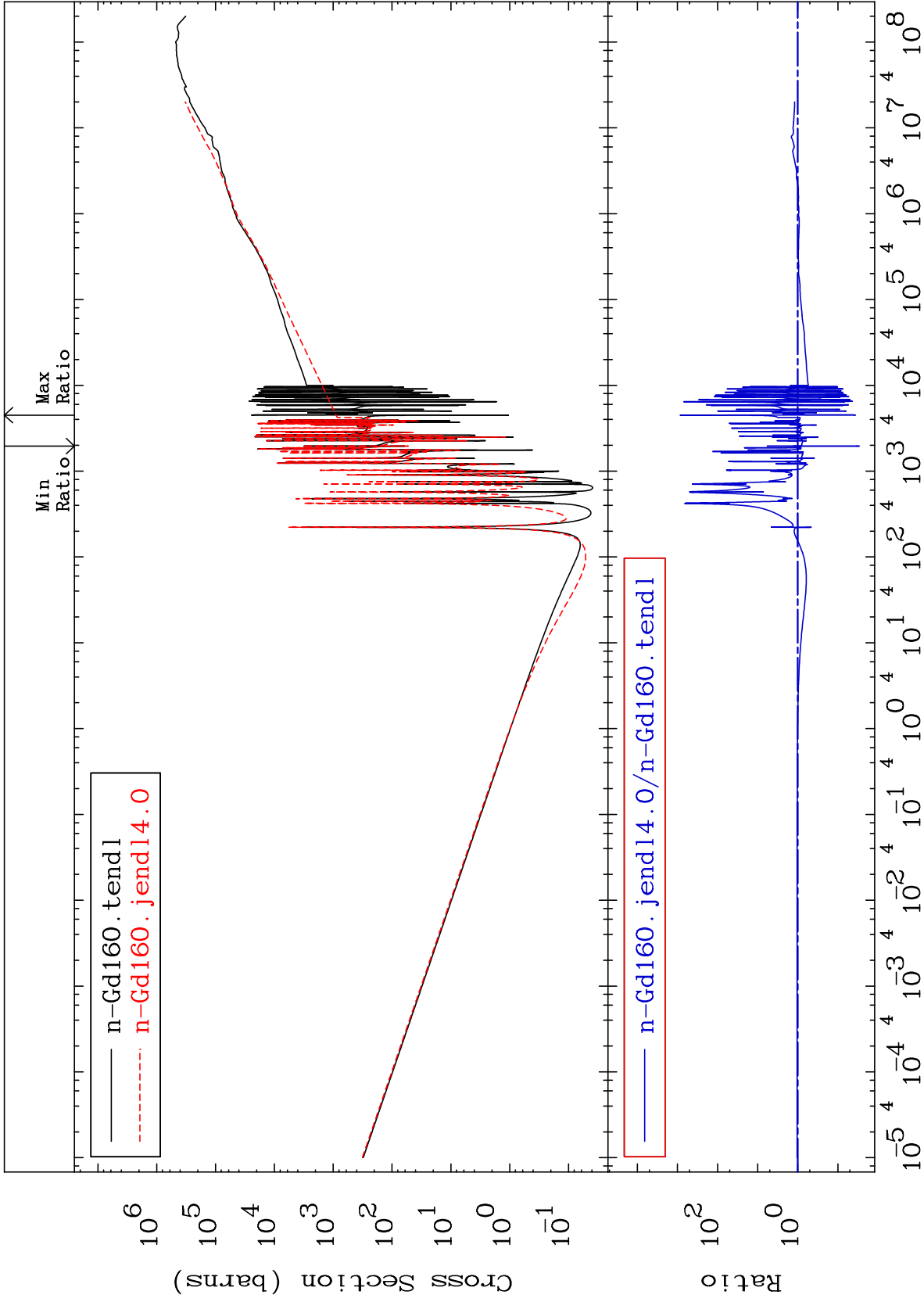


56

Incident Energy (eV)

64-Gd-160

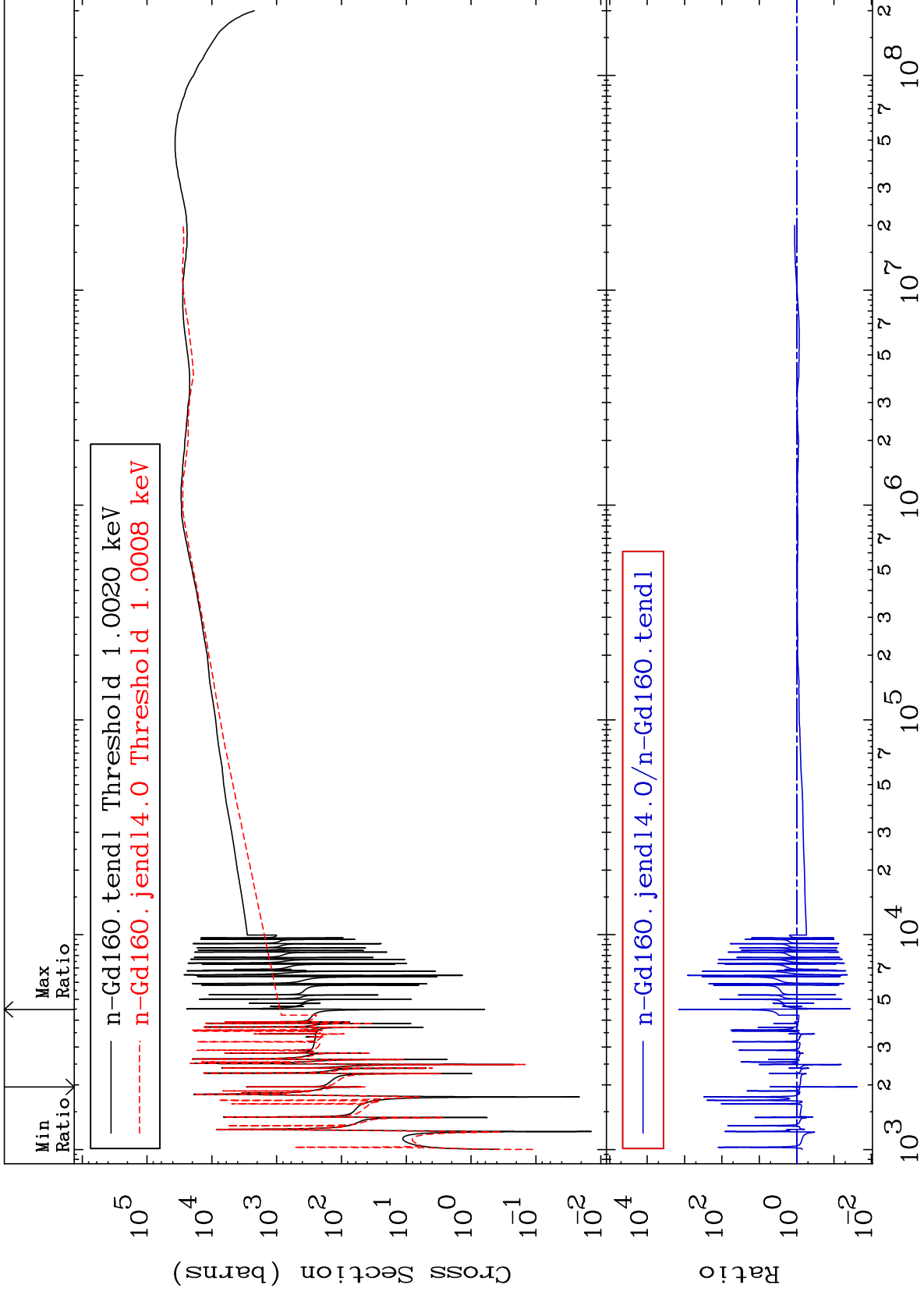




MAT 6449

Dpa elastic (mt2)
Cross Section

64-Gd-160
-97.61 To 9999. %



59

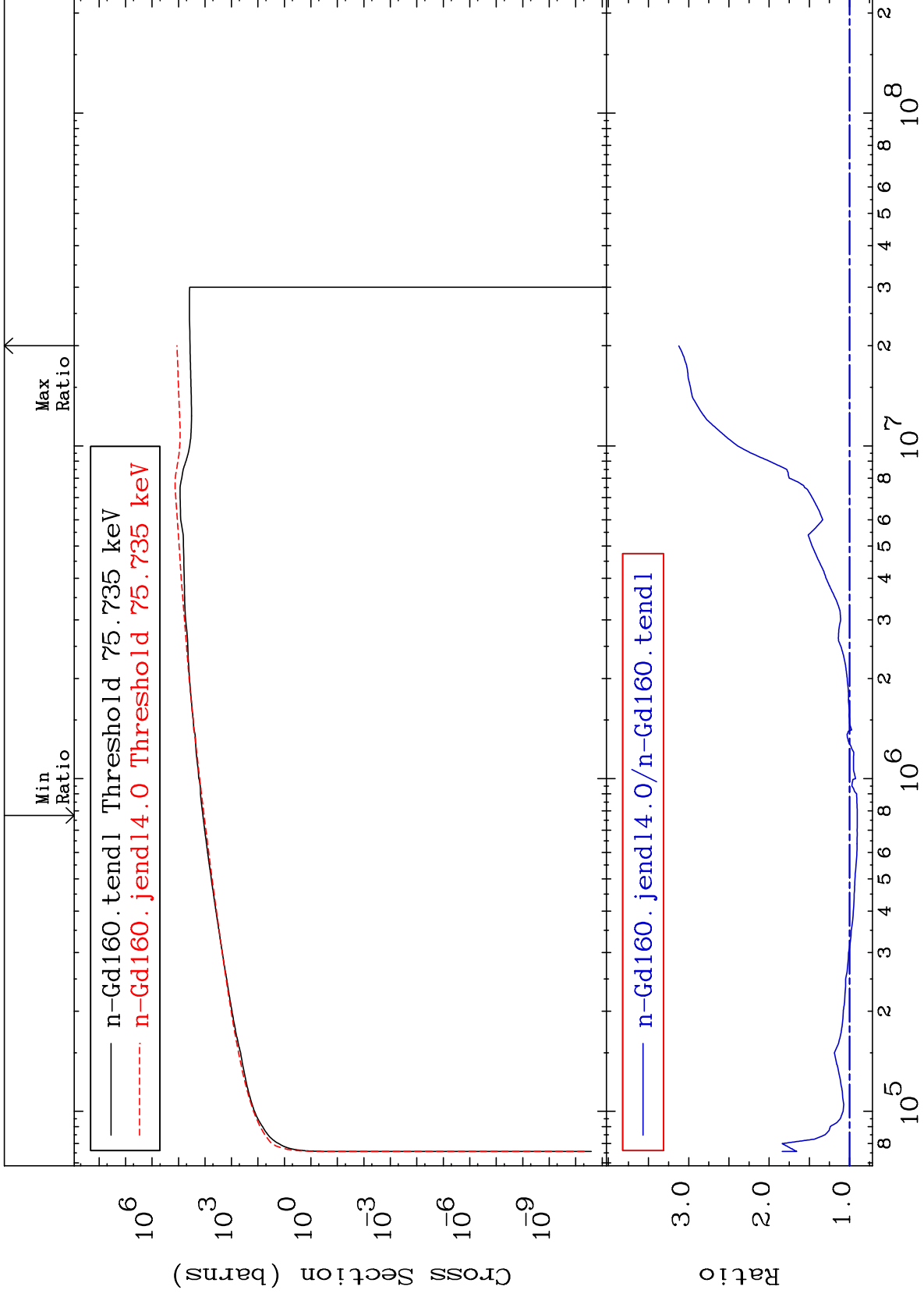
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa inelastic (mt51-91)
Cross Section

64-Gd-160
-9.625 To 212.5 %



60

Incident Energy (eV)

64-Gd-160

