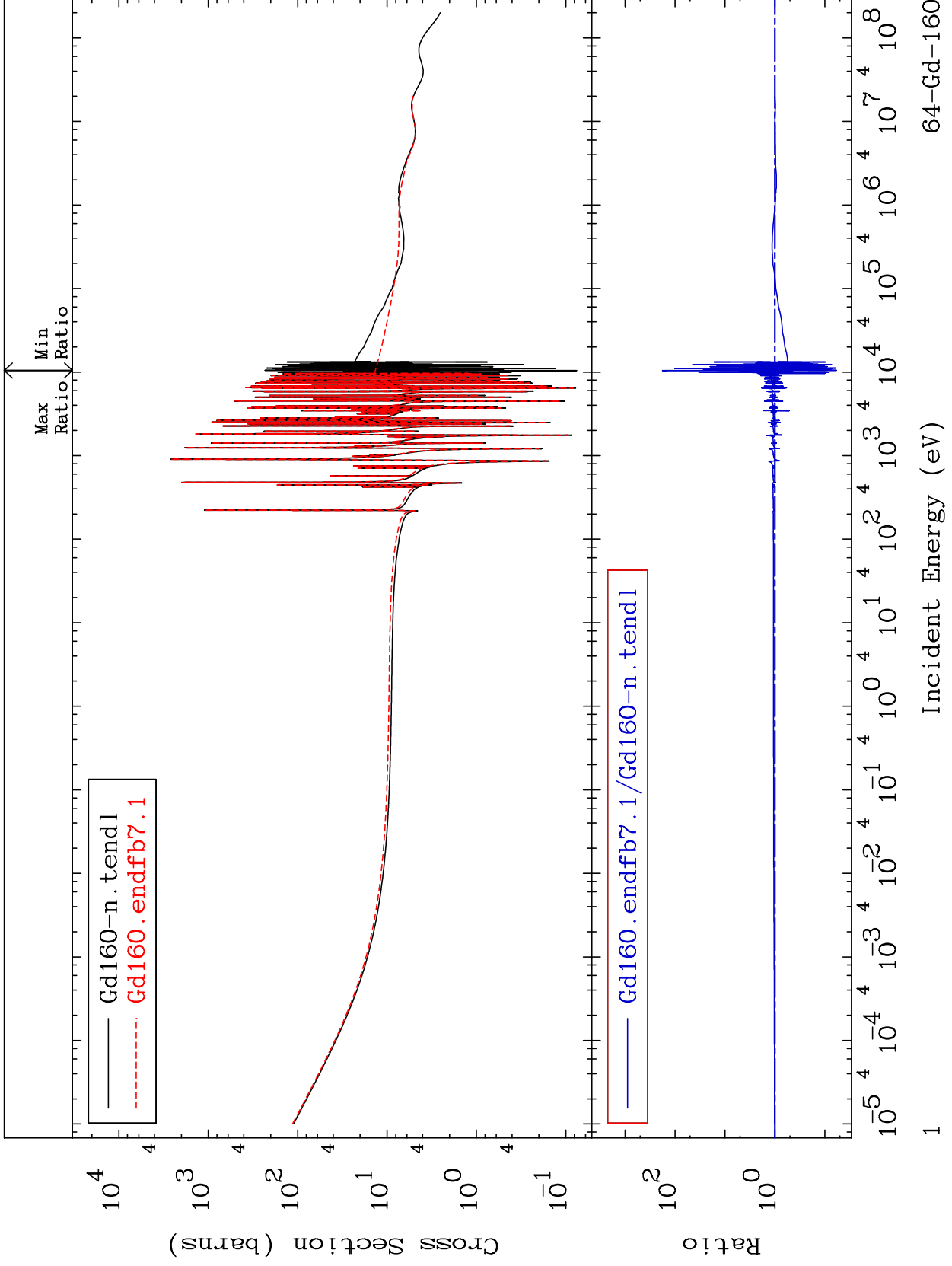


MAT 6449

Total  
Cross Section

64-Gd-160  
-94.17 To 9999. %

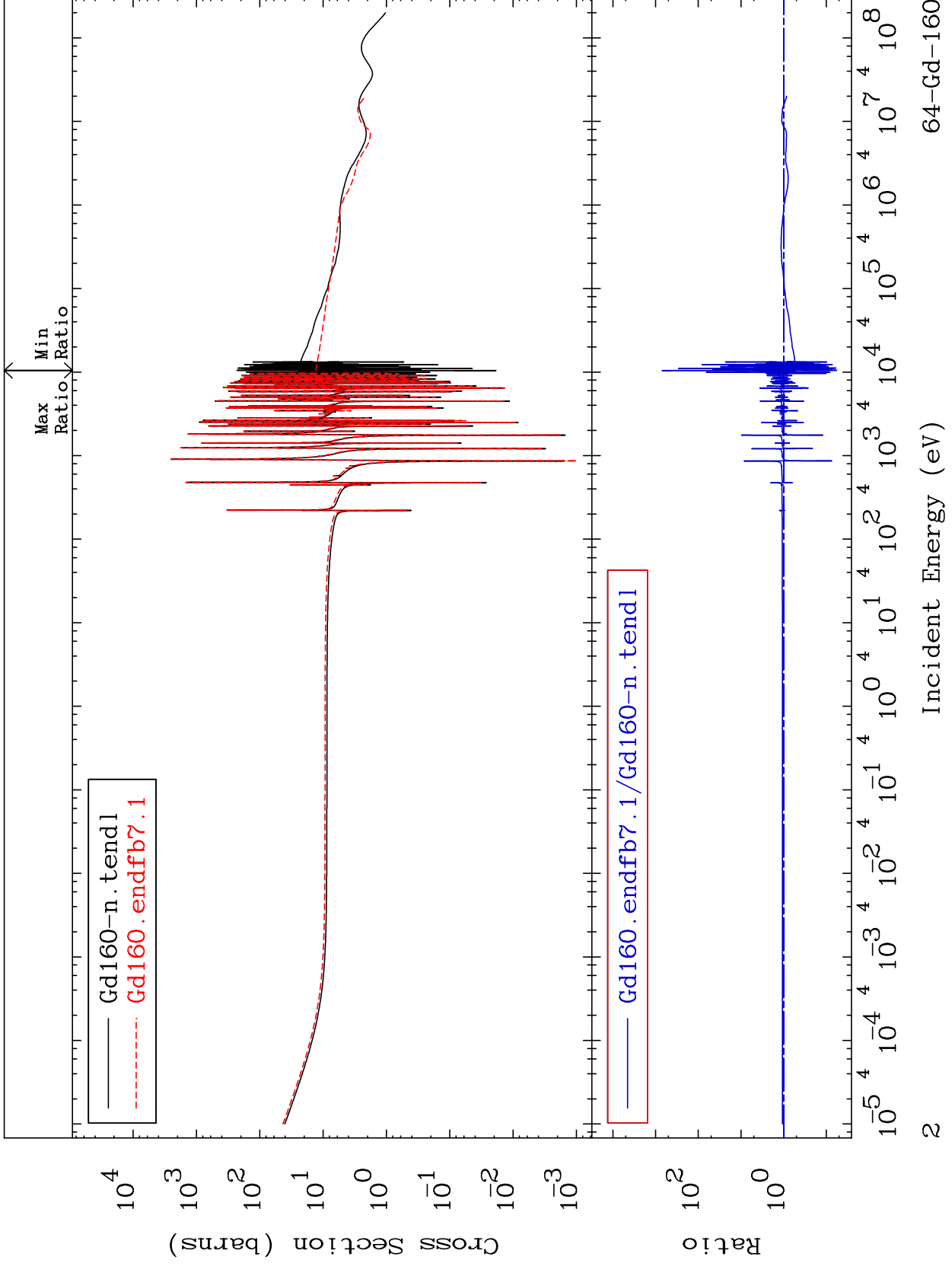


64-Gd-160

MAT 6449

Elastic  
Cross Section

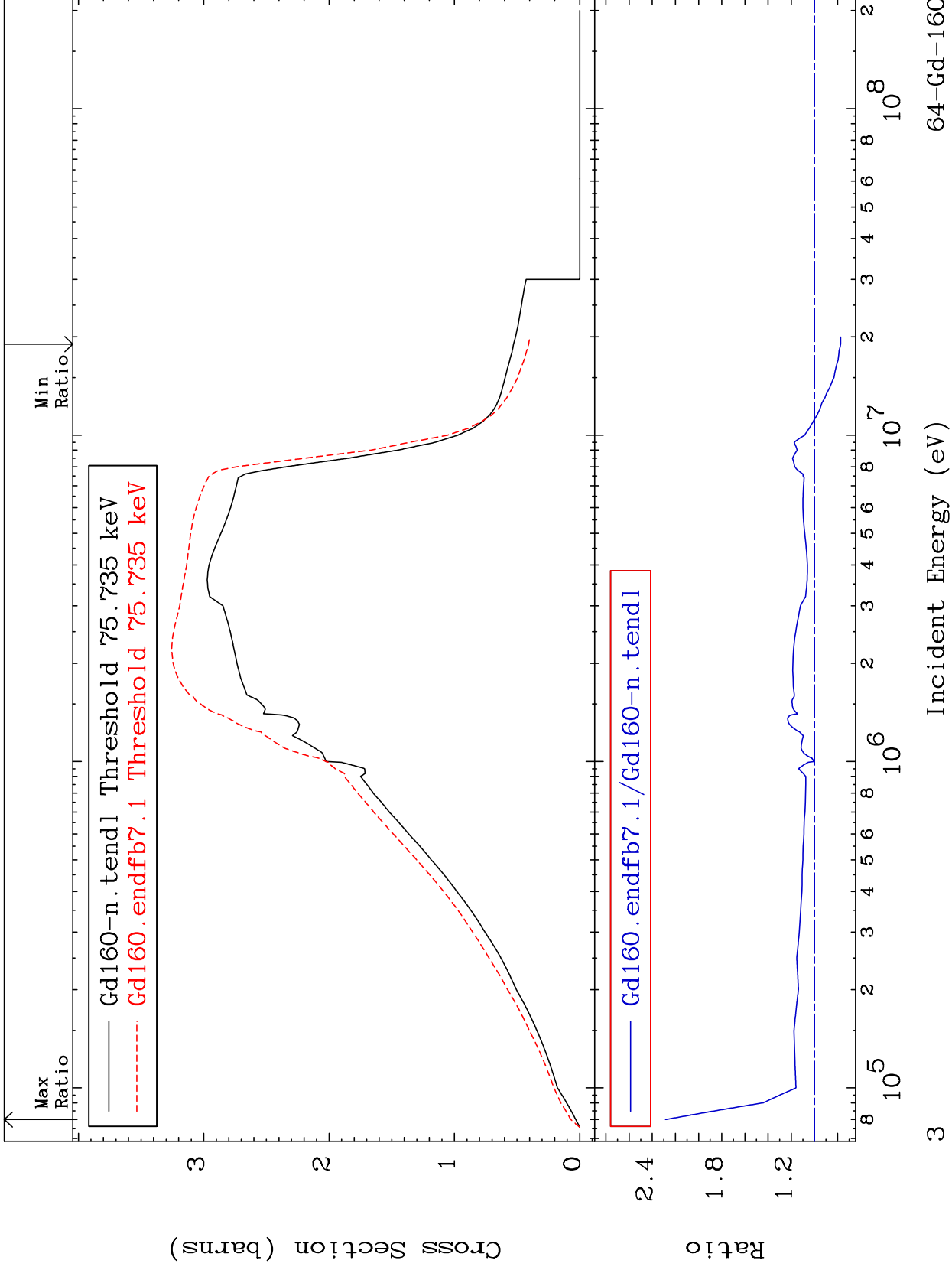
64-Gd-160  
-94.29 To 9999. %



MAT 6449

Inelastic  
Cross Section

64-Gd-160  
-22.67 To 128.6 %



3

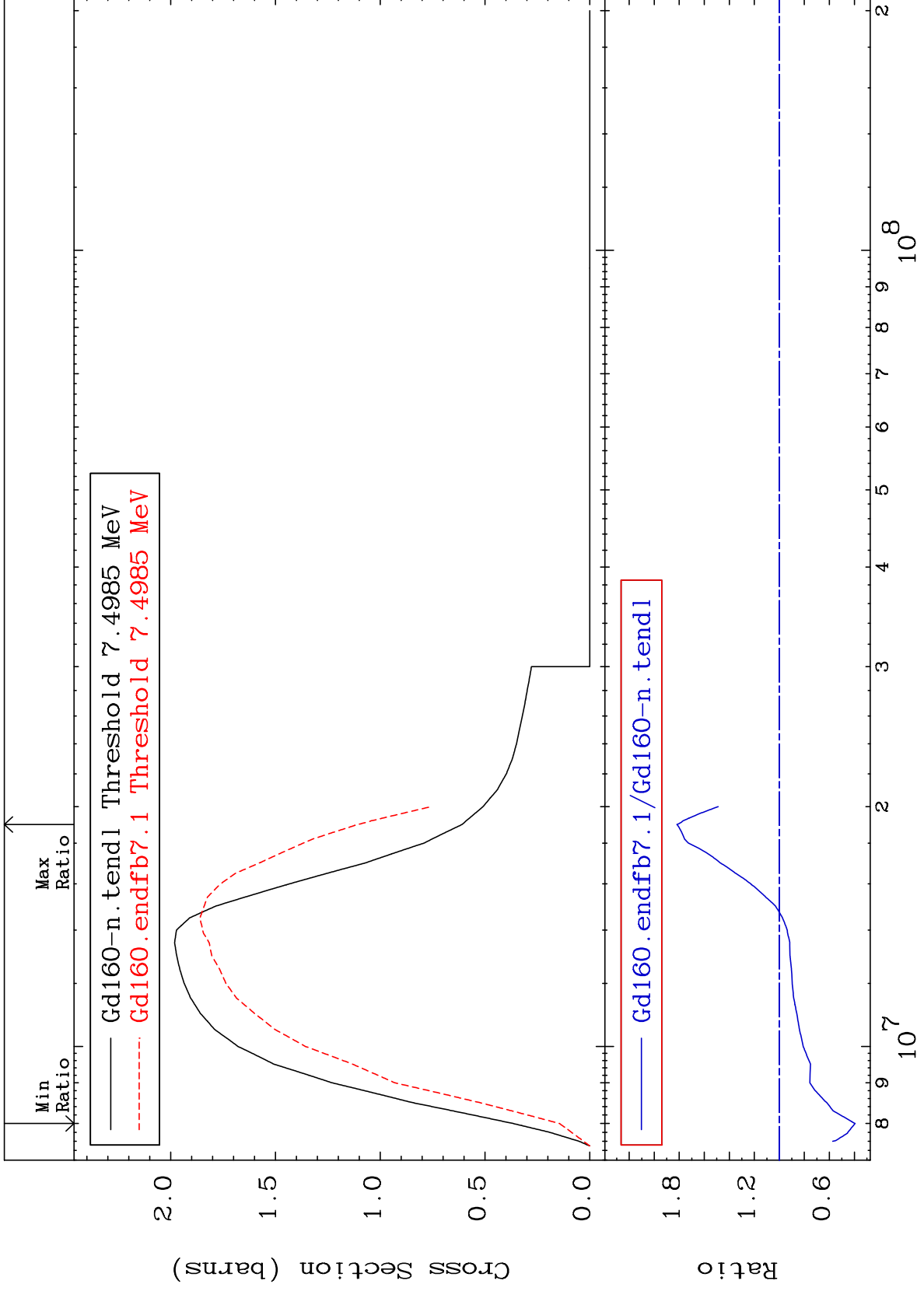
MAT 6449

(n,2n)

64-Gd-160

Cross Section

-60.55 To 81.86 %



4

Incident Energy (eV)

64-Gd-160

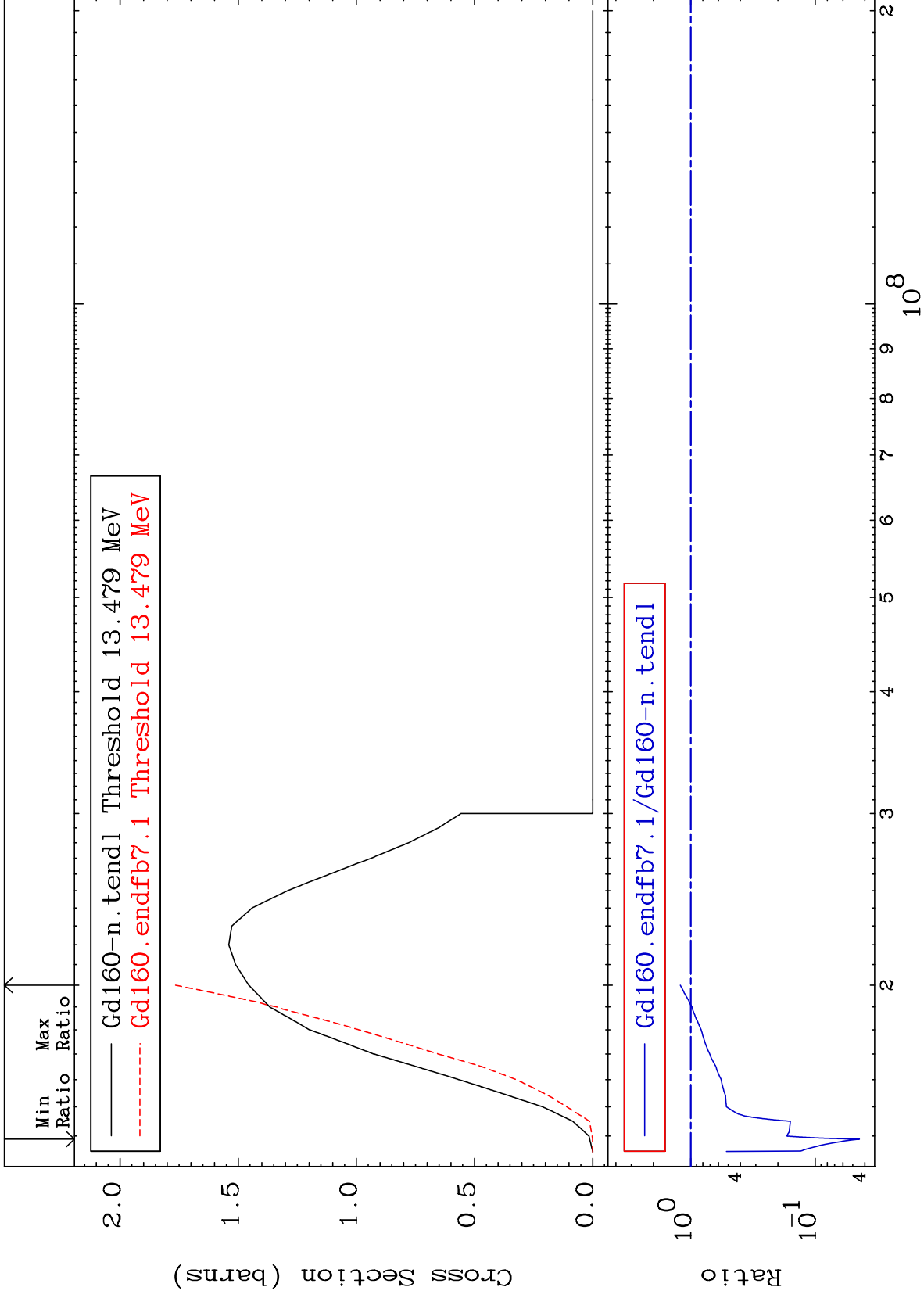
MAT 6449

(n,3n)

64-Gd-160

Cross Section

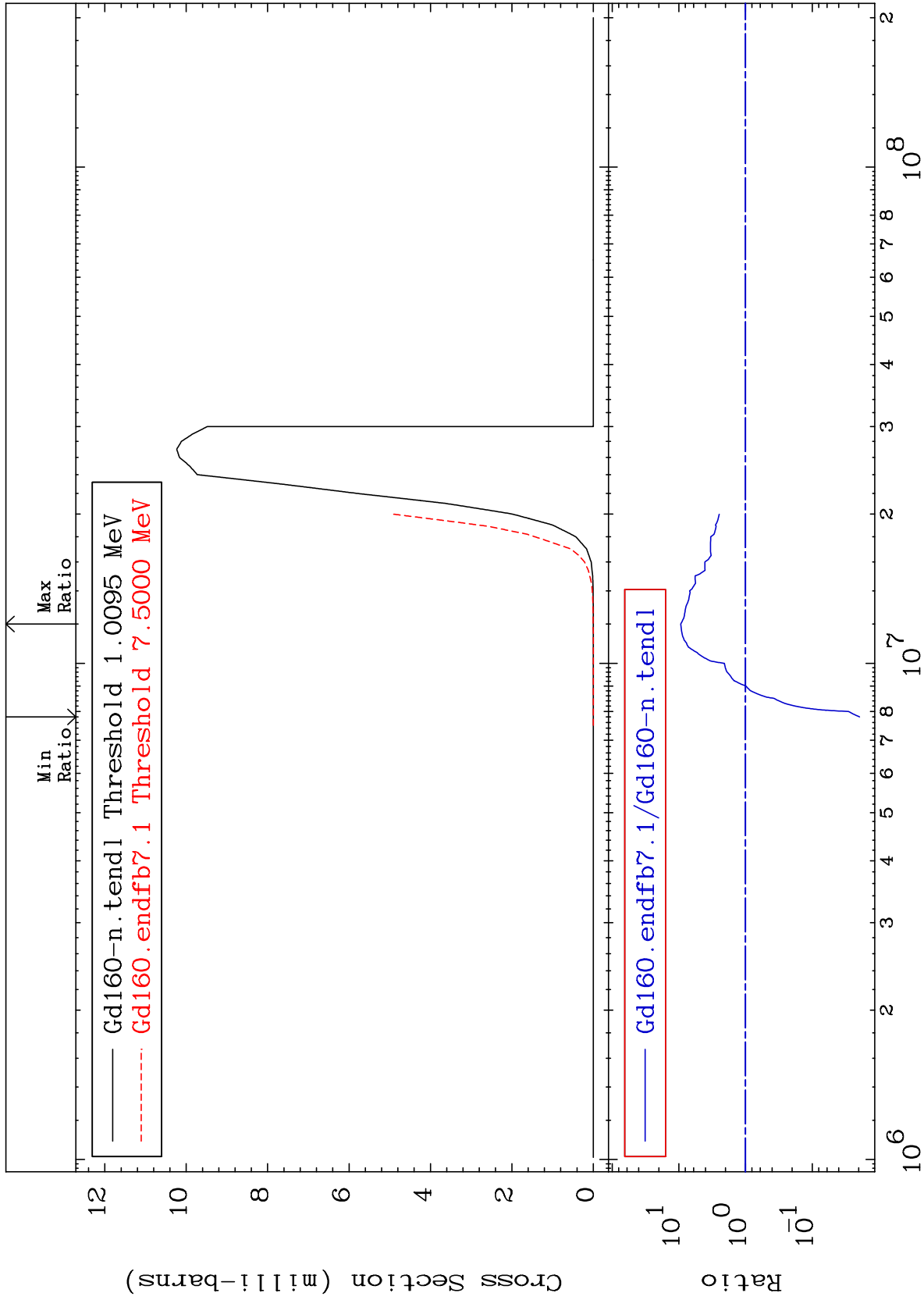
-95.58 To 21.31 %



MAT 6449

64-Gd-160

(n, n')  $\alpha$   
Cross Section  
-98.05 To 836.8 %

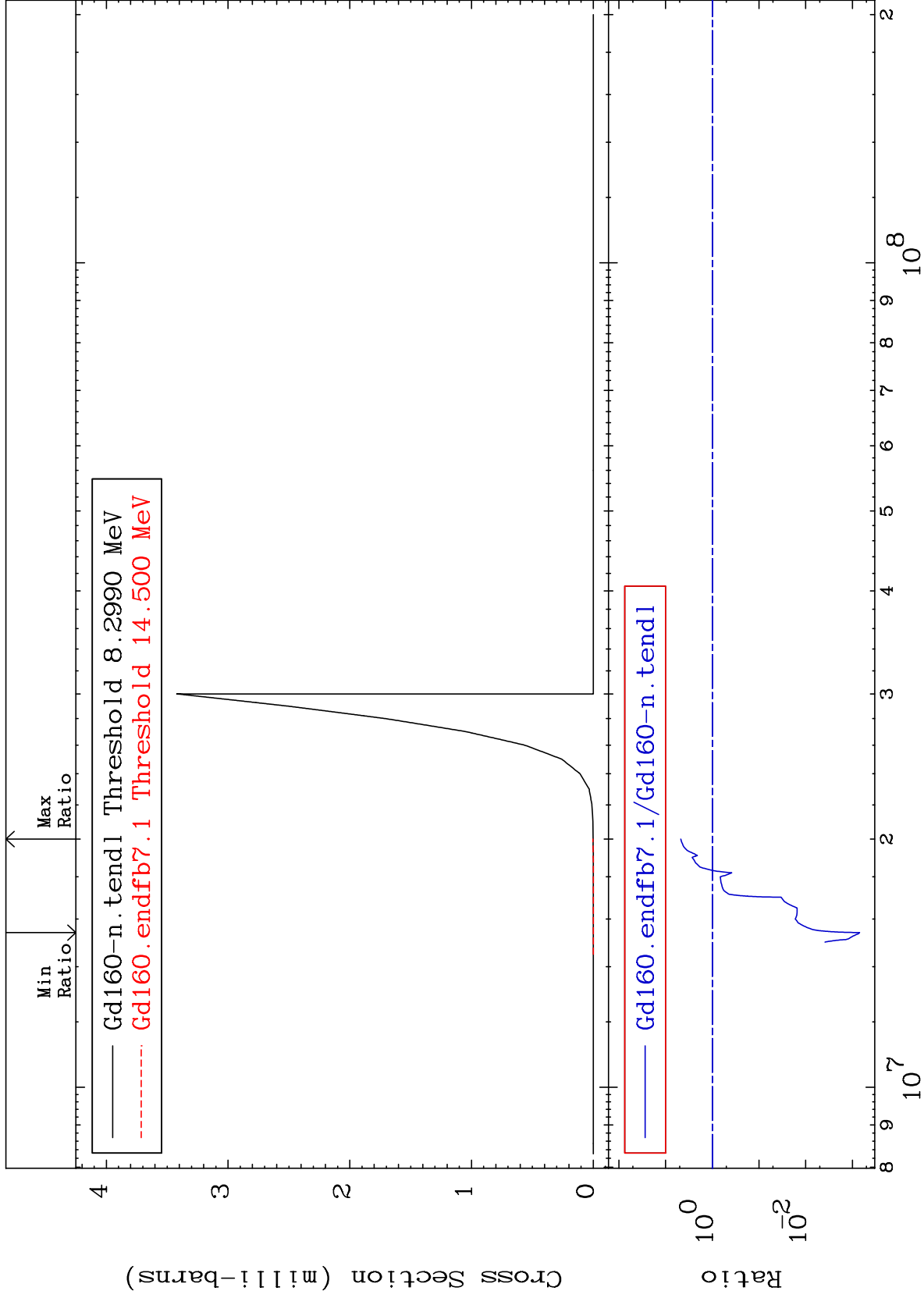


64-Gd-160

MAT 6449

(n,2n)  $\alpha$   
Cross Section

64-Gd-160  
-99.93 To 372.3 %



7

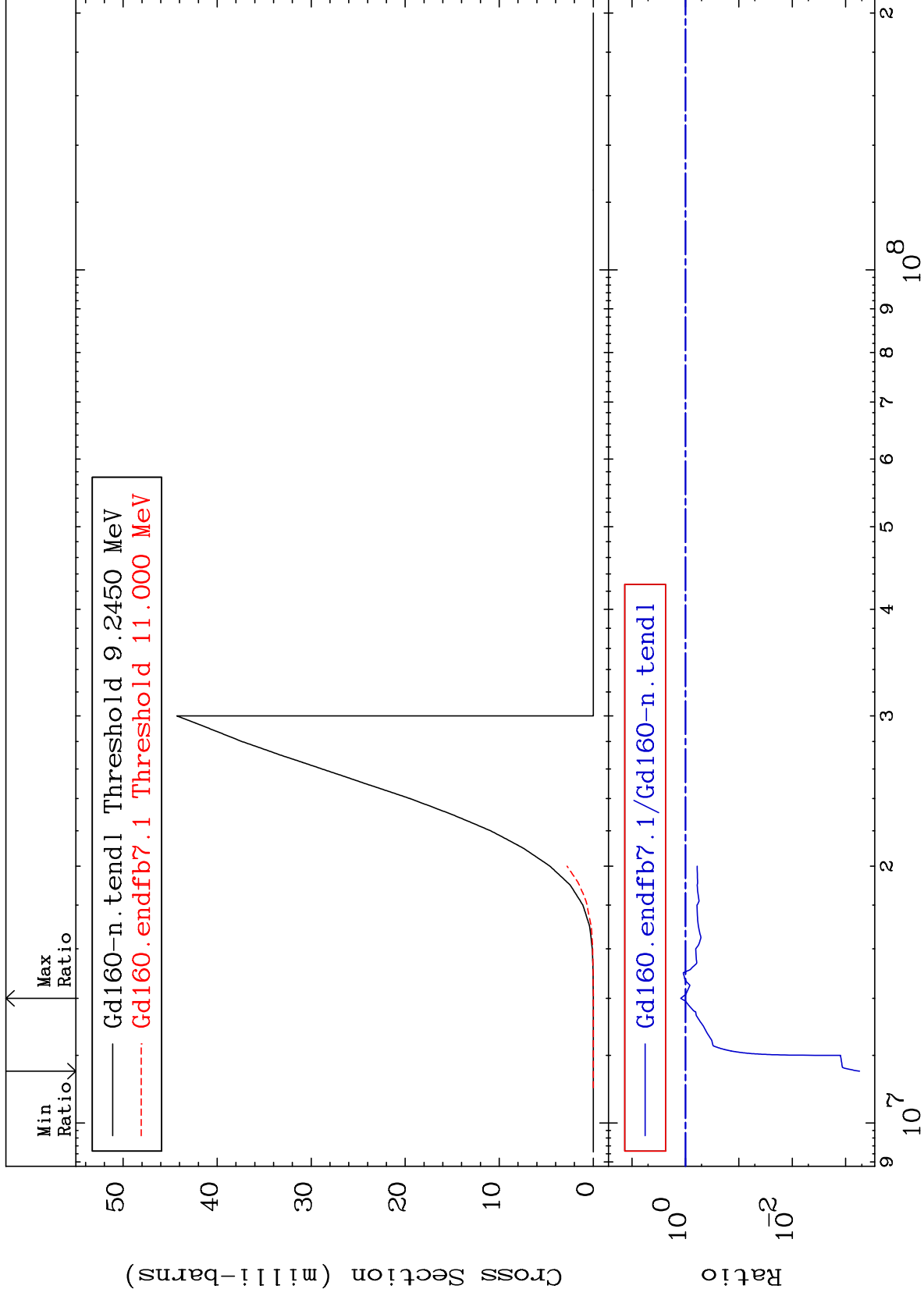
Incident Energy (eV)

64-Gd-160

MAT 6449

(n,n') p  
Cross Section

64-Gd-160  
-99.95 To 22.20 %



64-Gd-160

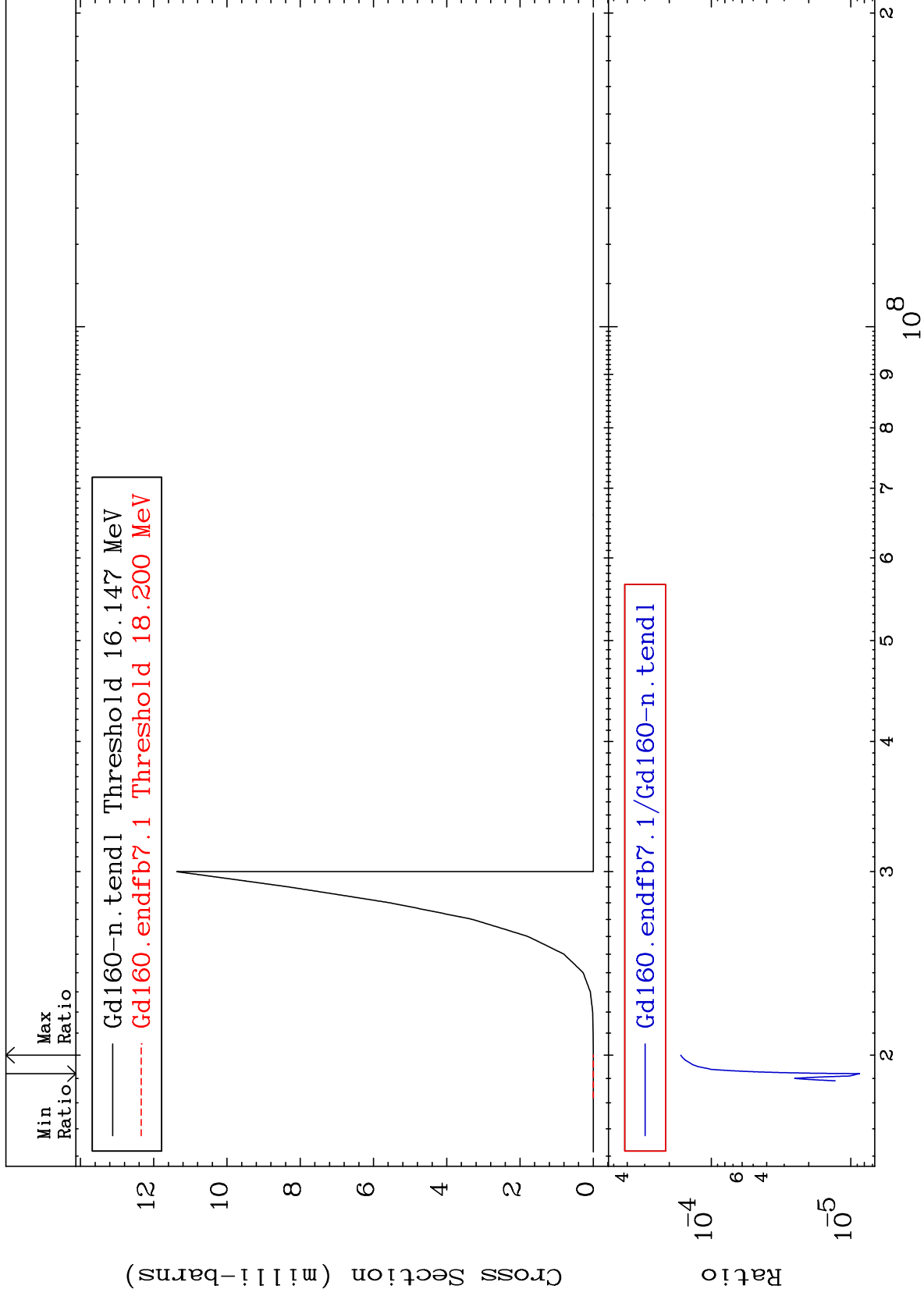
Incident Energy (eV)



MAT 6449

(n,2n) p  
Cross Section

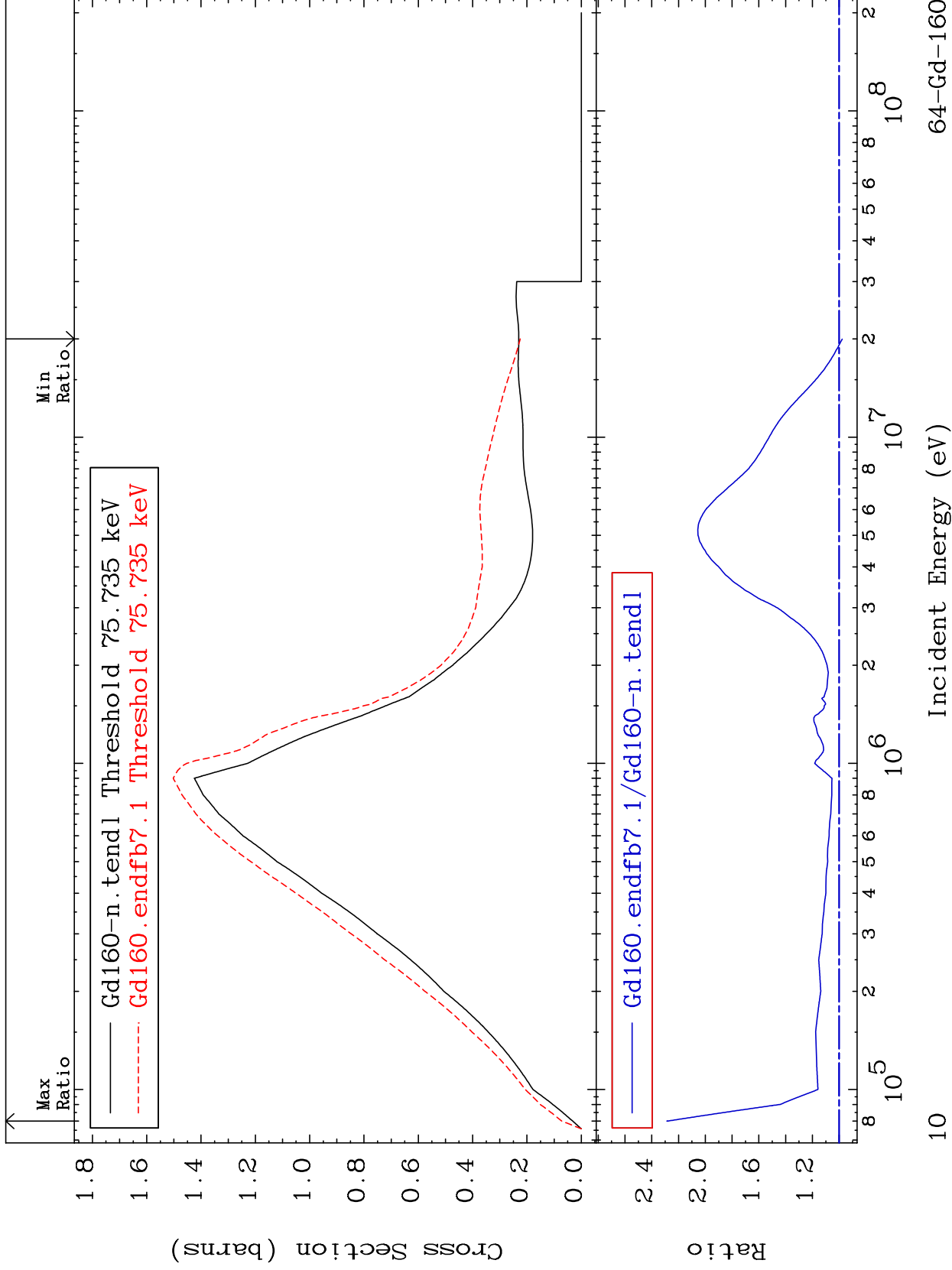
64-Gd-160  
-100.0 To -99.98%



MAT 6449

75.26 keV (n,n') Level  
Cross Section

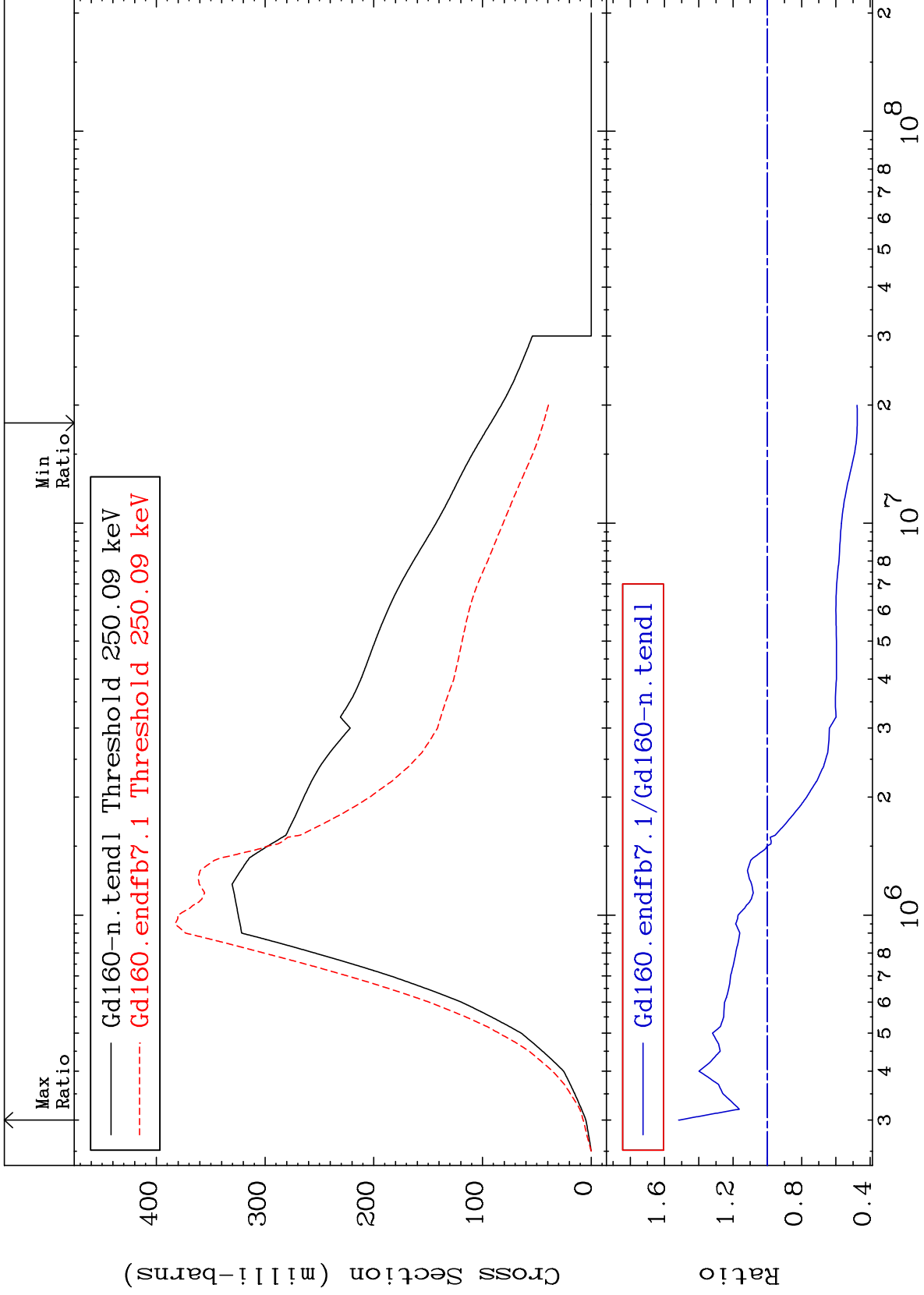
64-Gd-160  
-2.239 To 128.6 %



MAT 6449

248.5 keV (n,n') Level  
Cross Section

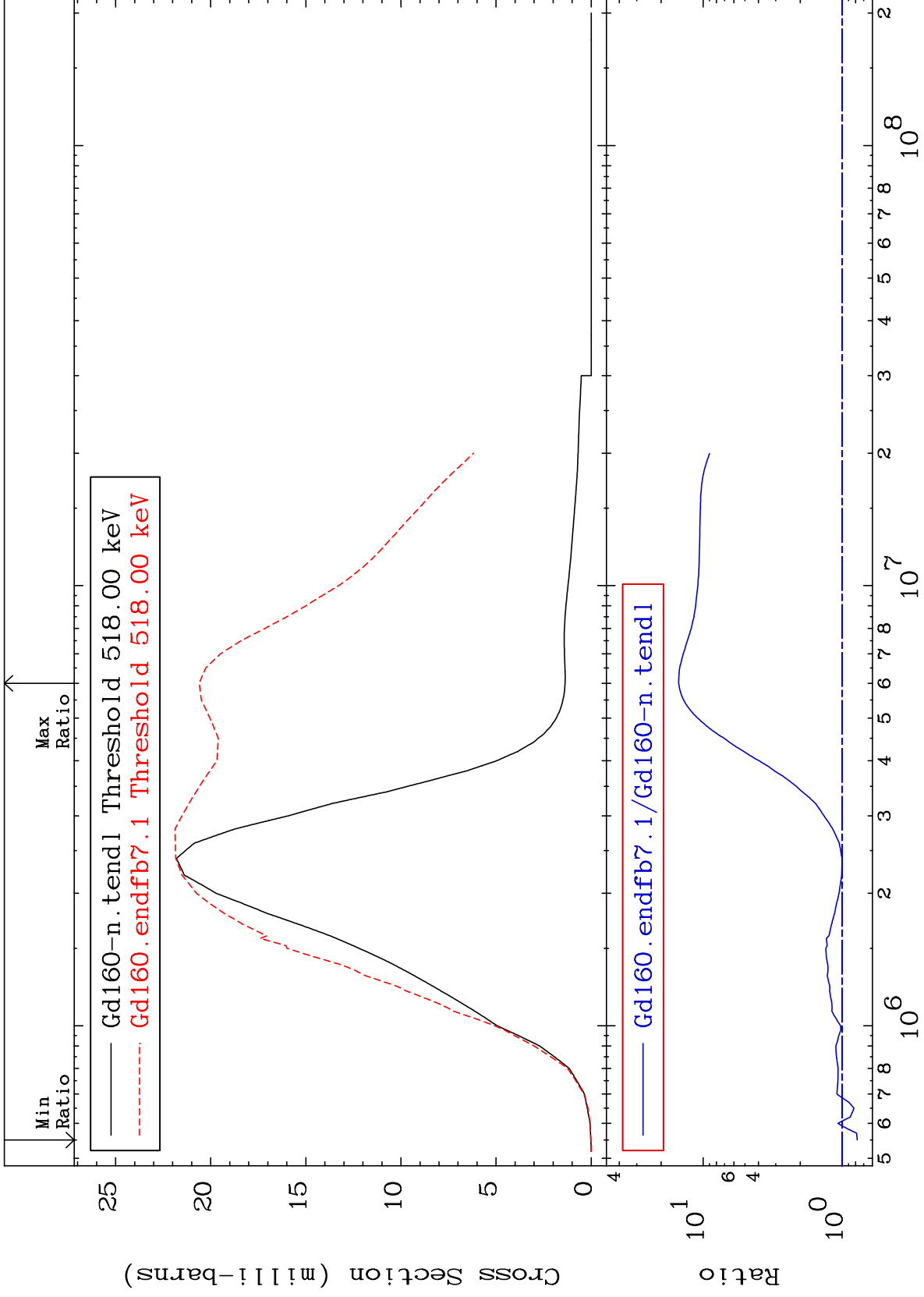
64-Gd-160  
-52.45 To 51.77 %



MAT 6449

514.7 keV (n,n') Level  
Cross Section

64-Gd-160  
-22.20 To 1398. %



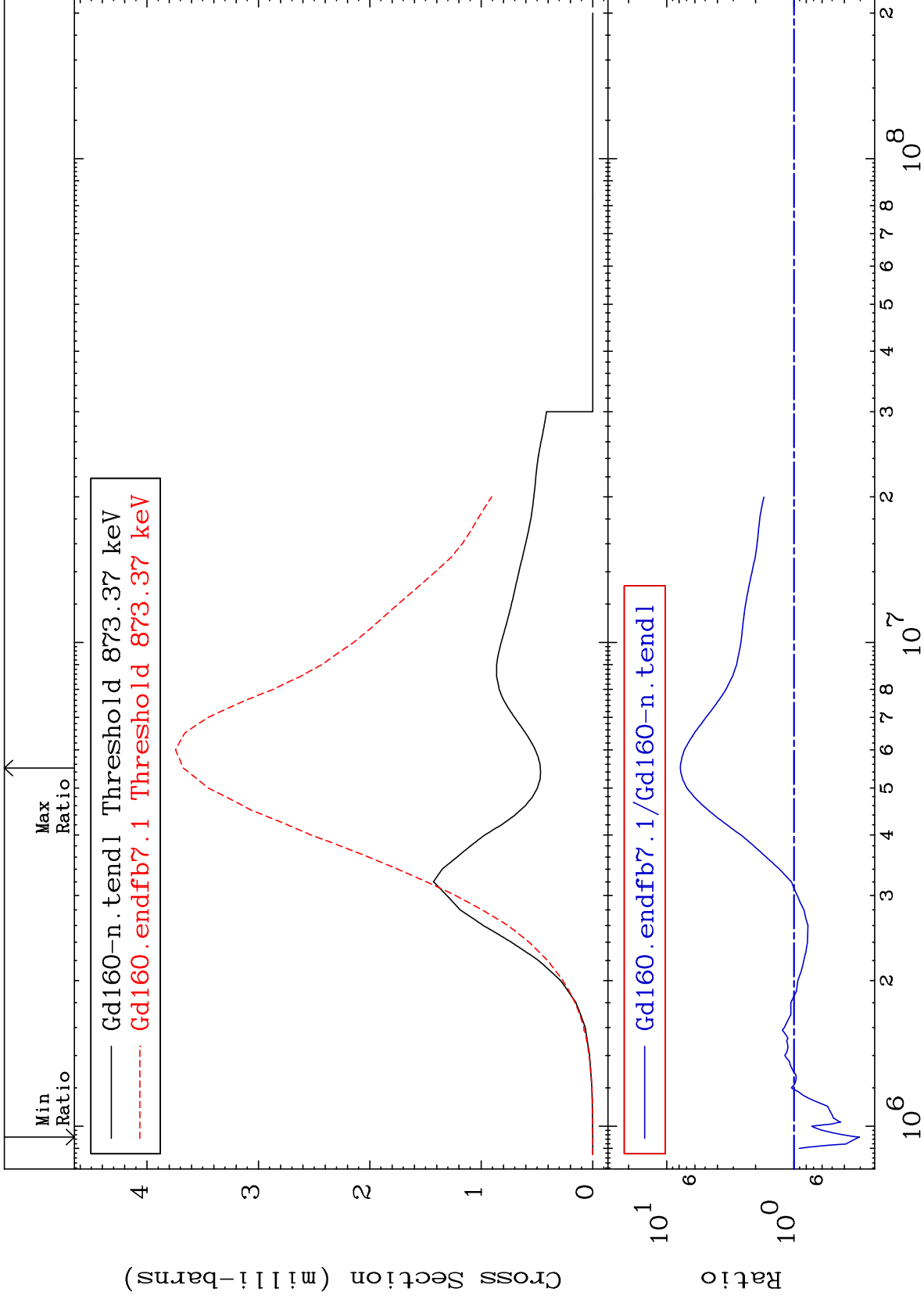
12

64-Gd-160

MAT 6449

867.9 keV (n,n') Level  
Cross Section

64-Gd-160  
-69.53 To 682.3 %



13

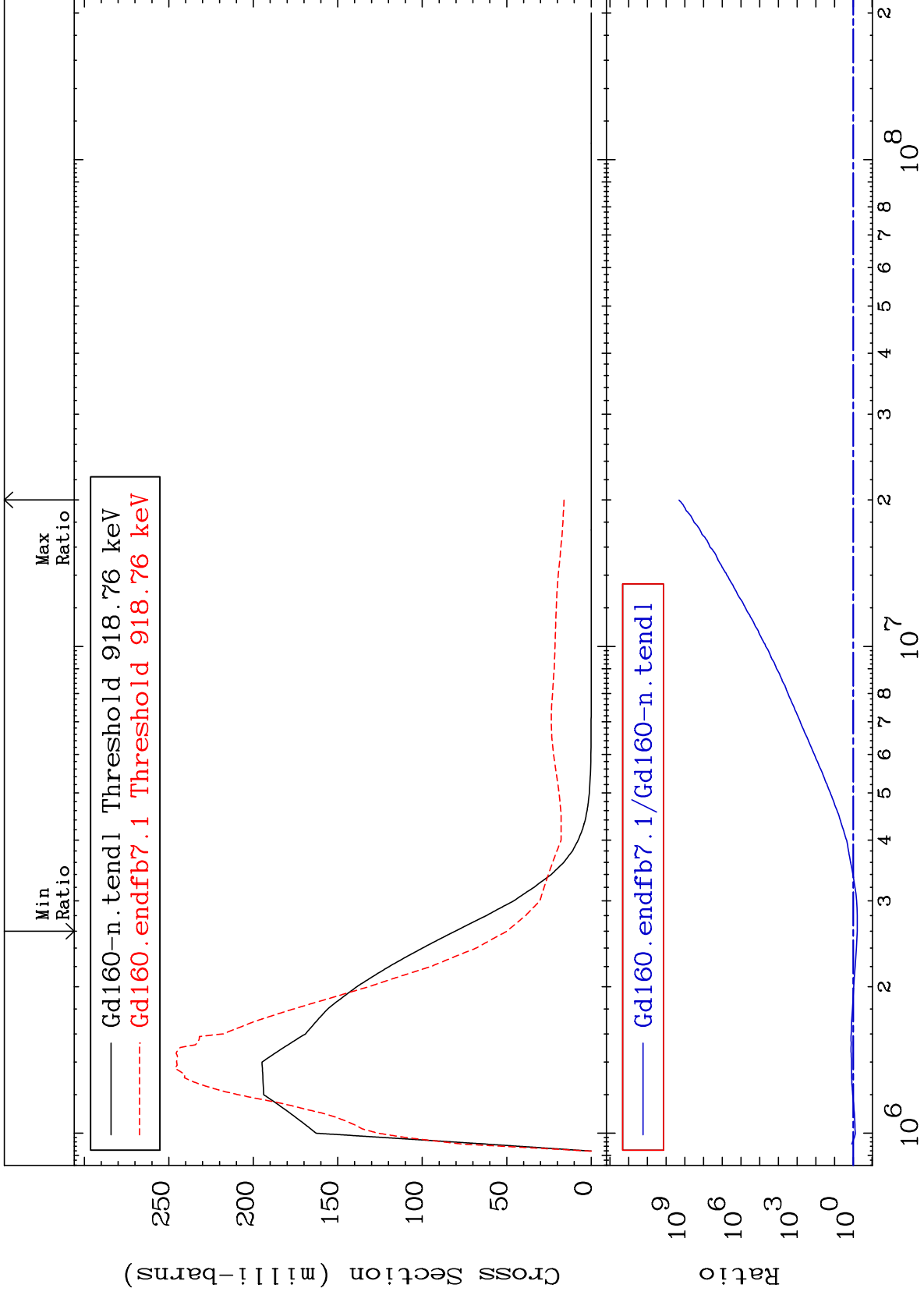
64-Gd-160

64-Gd-160

MAT 6449

913.0 keV (n,n') Level  
Cross Section

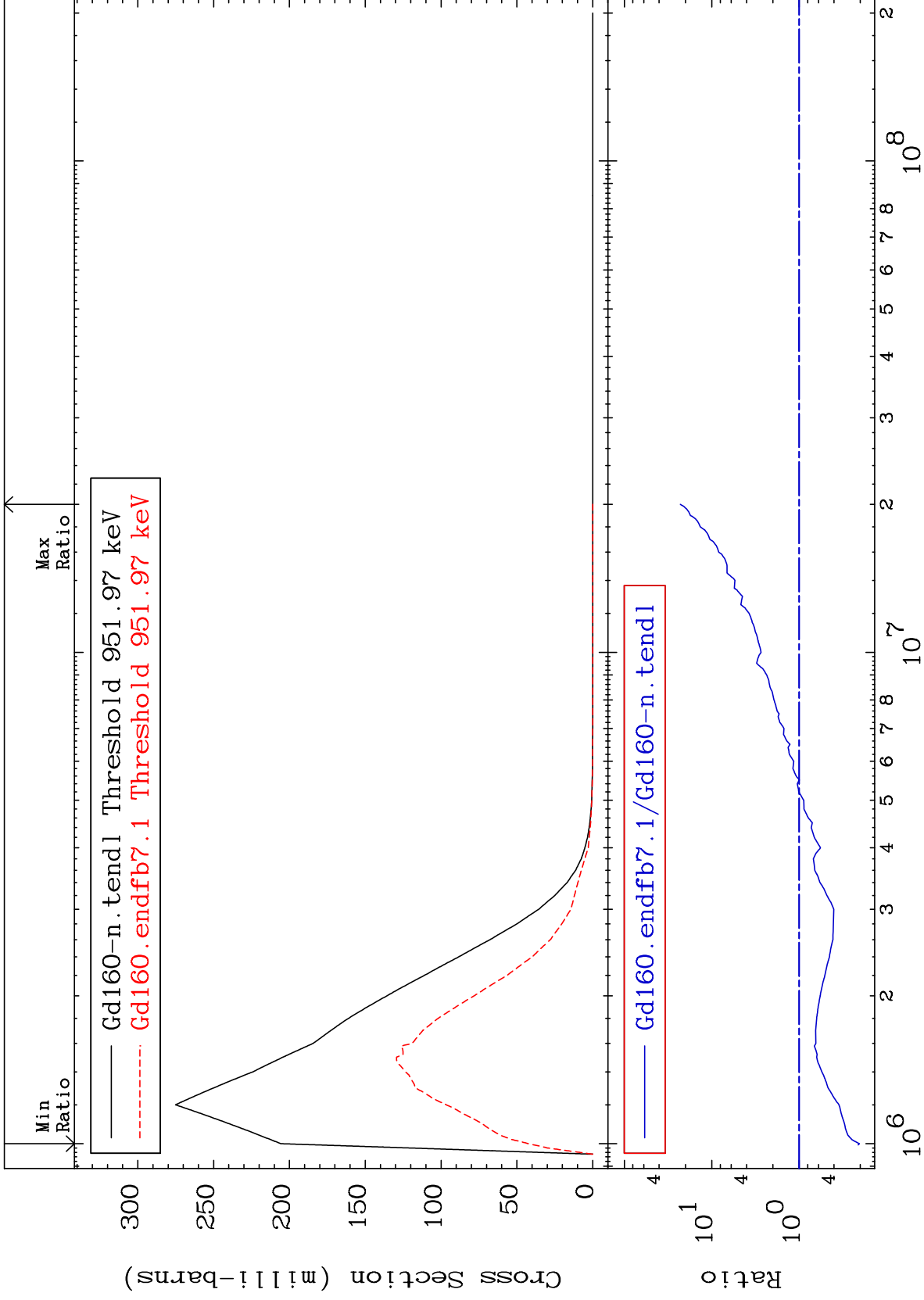
64-Gd-160  
-38.00 To 9999. %



MAT 6449

946.0 keV (n,n') Level  
Cross Section

64-Gd-160  
-79.51 To 2188. %



15

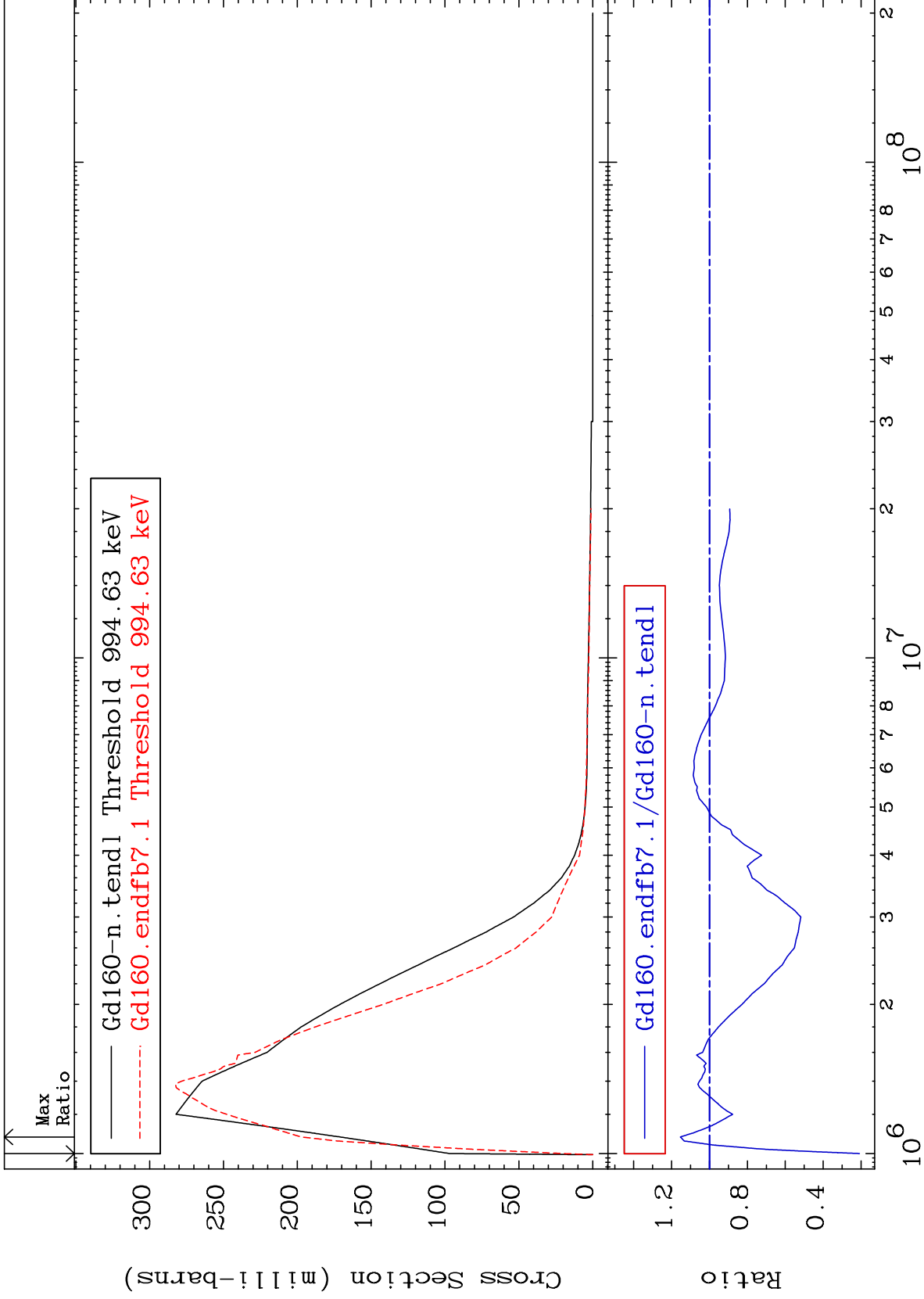
Incident Energy (eV)

64-Gd-160

MAT 6449

988.4 keV (n,n') Level  
Cross Section

64-Gd-160  
-79.13 To 15.37 %



16

Incident Energy (eV)

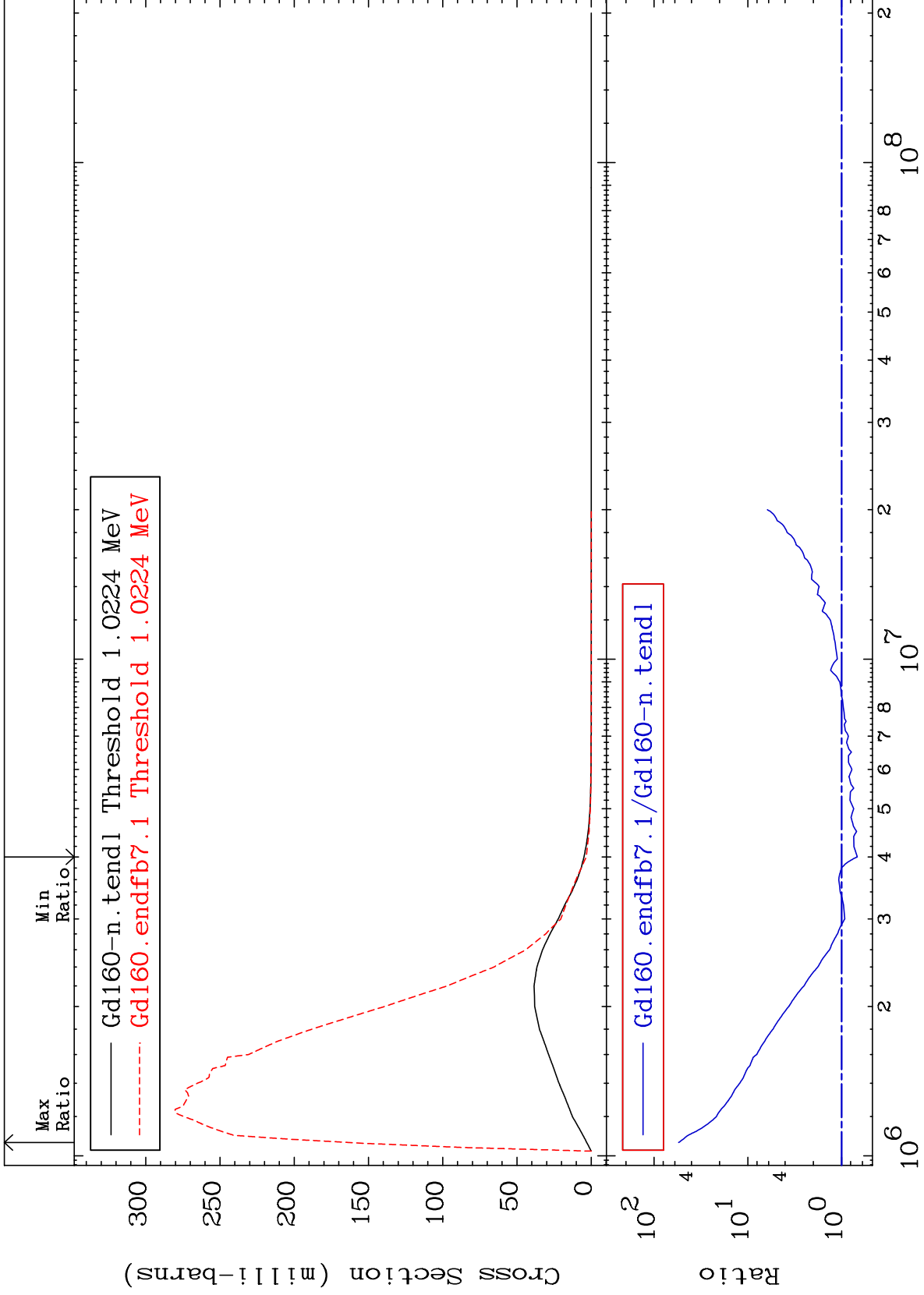
64-Gd-160



MAT 6449

1.016 MeV (n,n') Level  
Cross Section

64-Gd-160  
-31.95 To 5373. %



17

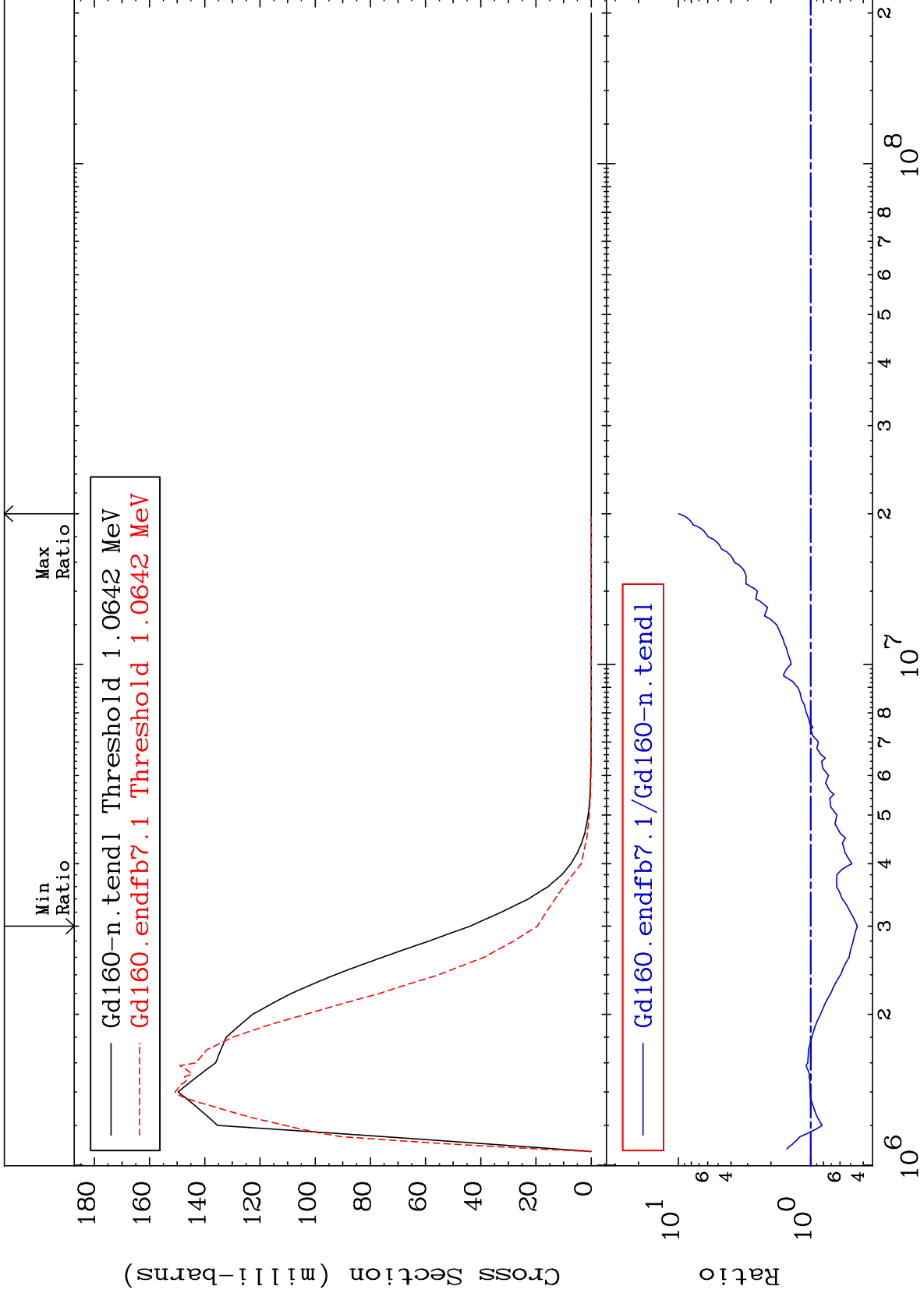
Incident Energy (eV)

64-Gd-160

MAT 6449

1.058 MeV (n,n') Level  
Cross Section

64-Gd-160  
-55.53 To 895.5 %



18

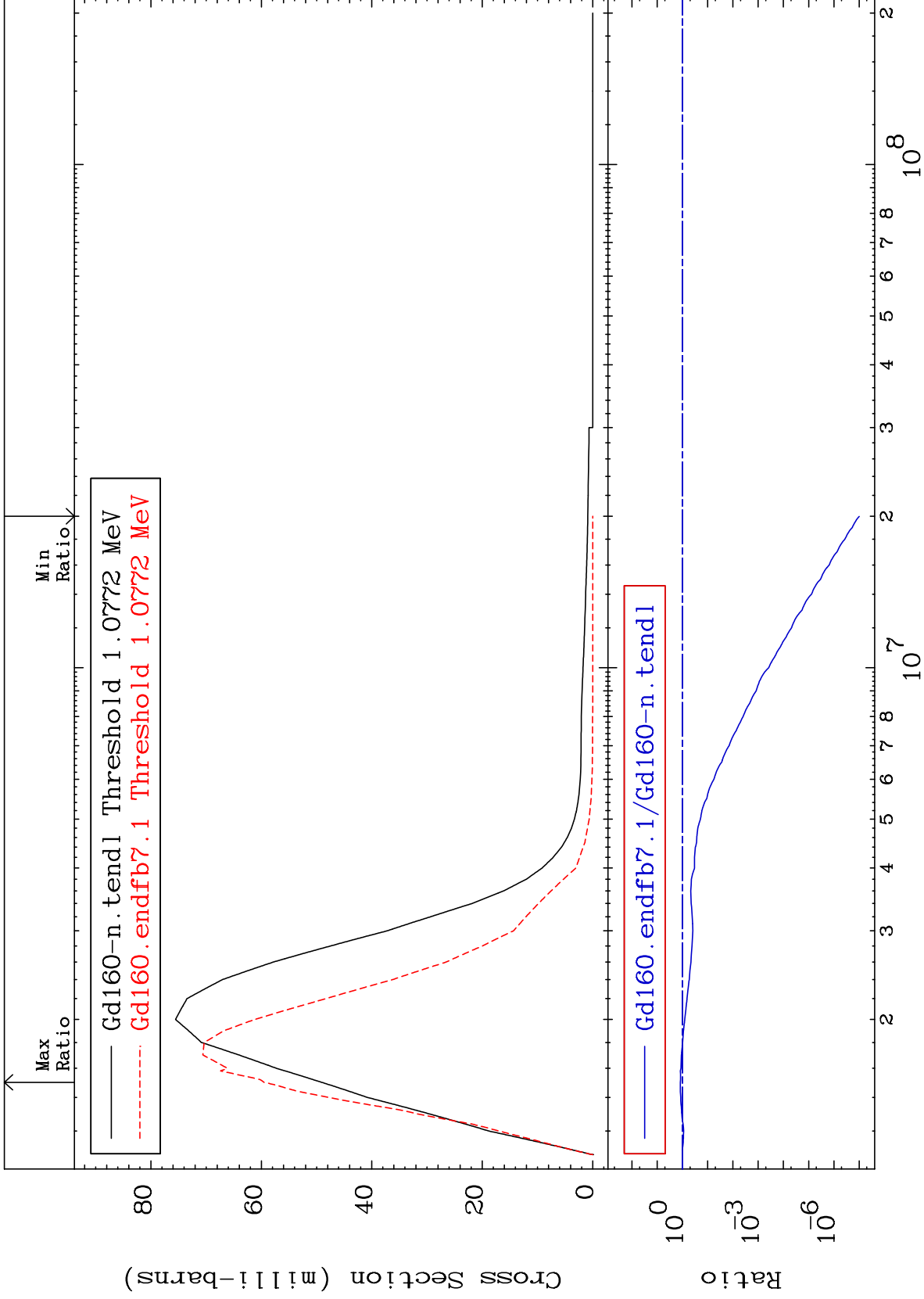
Incident Energy (eV)

64-Gd-160

MAT 6449

1.070 MeV (n,n') Level  
Cross Section

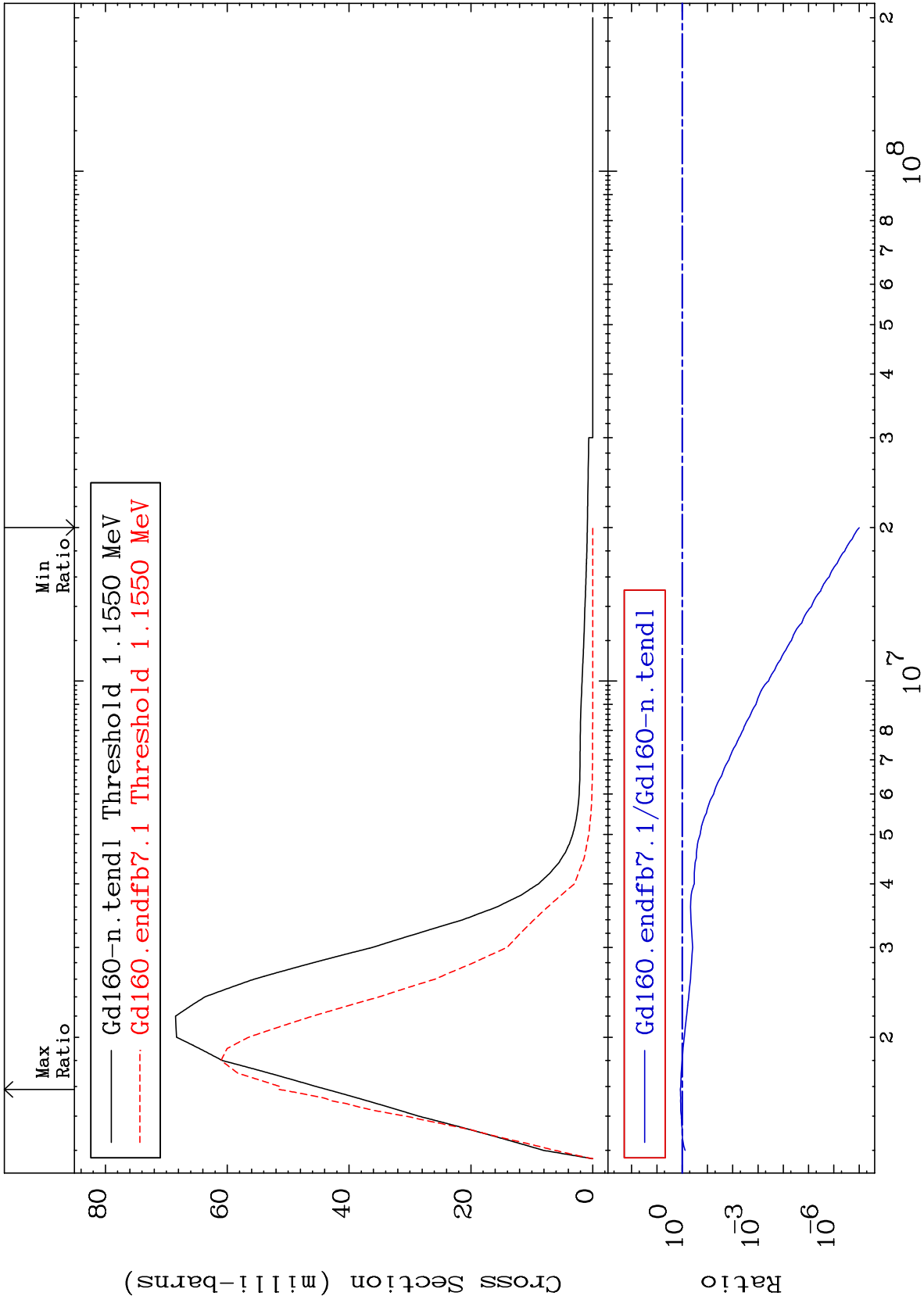
64-Gd-160  
-100.0 To 21.26 %



MAT 6449

1.148 MeV (n,n') Level  
Cross Section

64-Gd-160  
-100.0 To 17.84 %



20

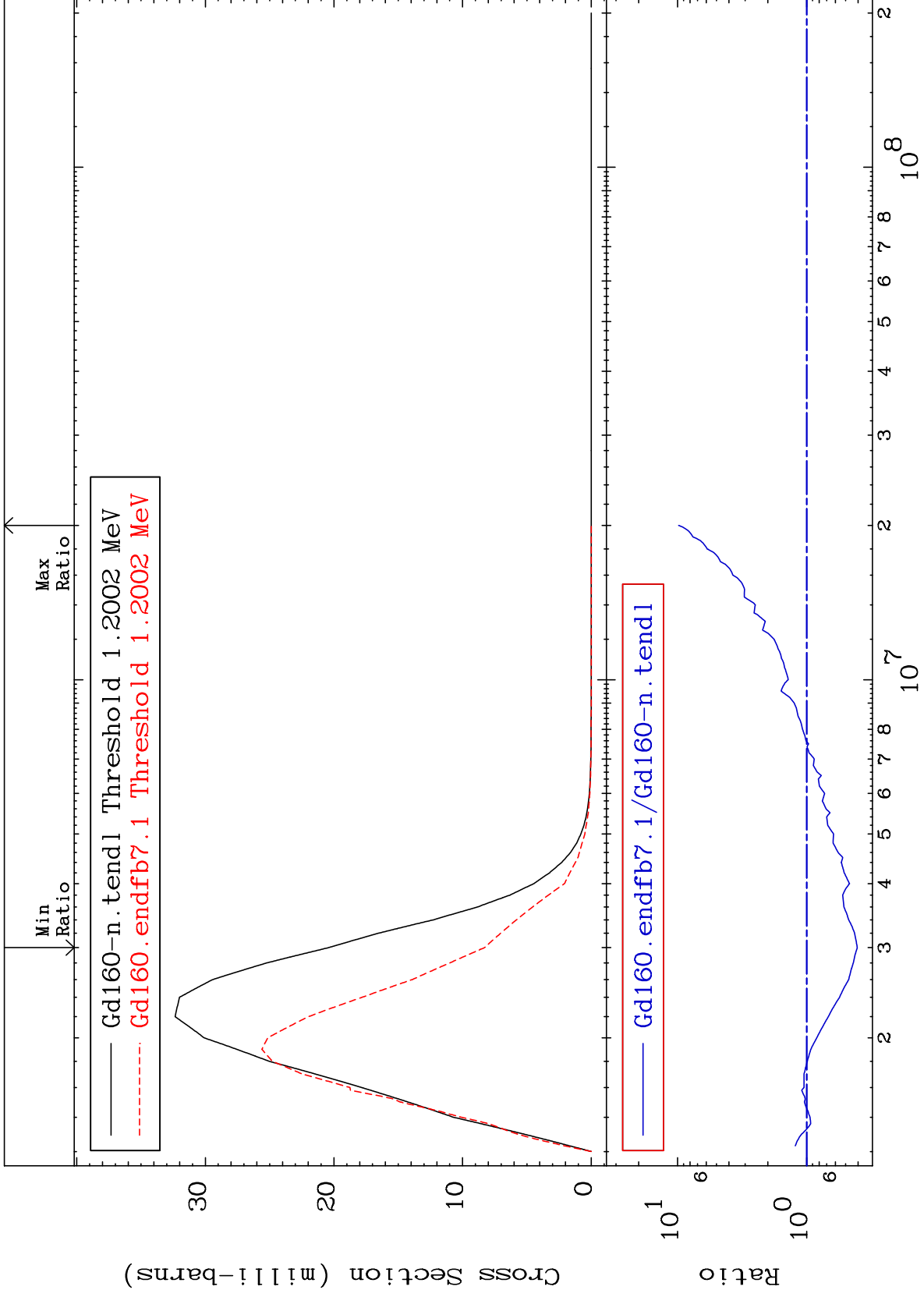
Incident Energy (eV)

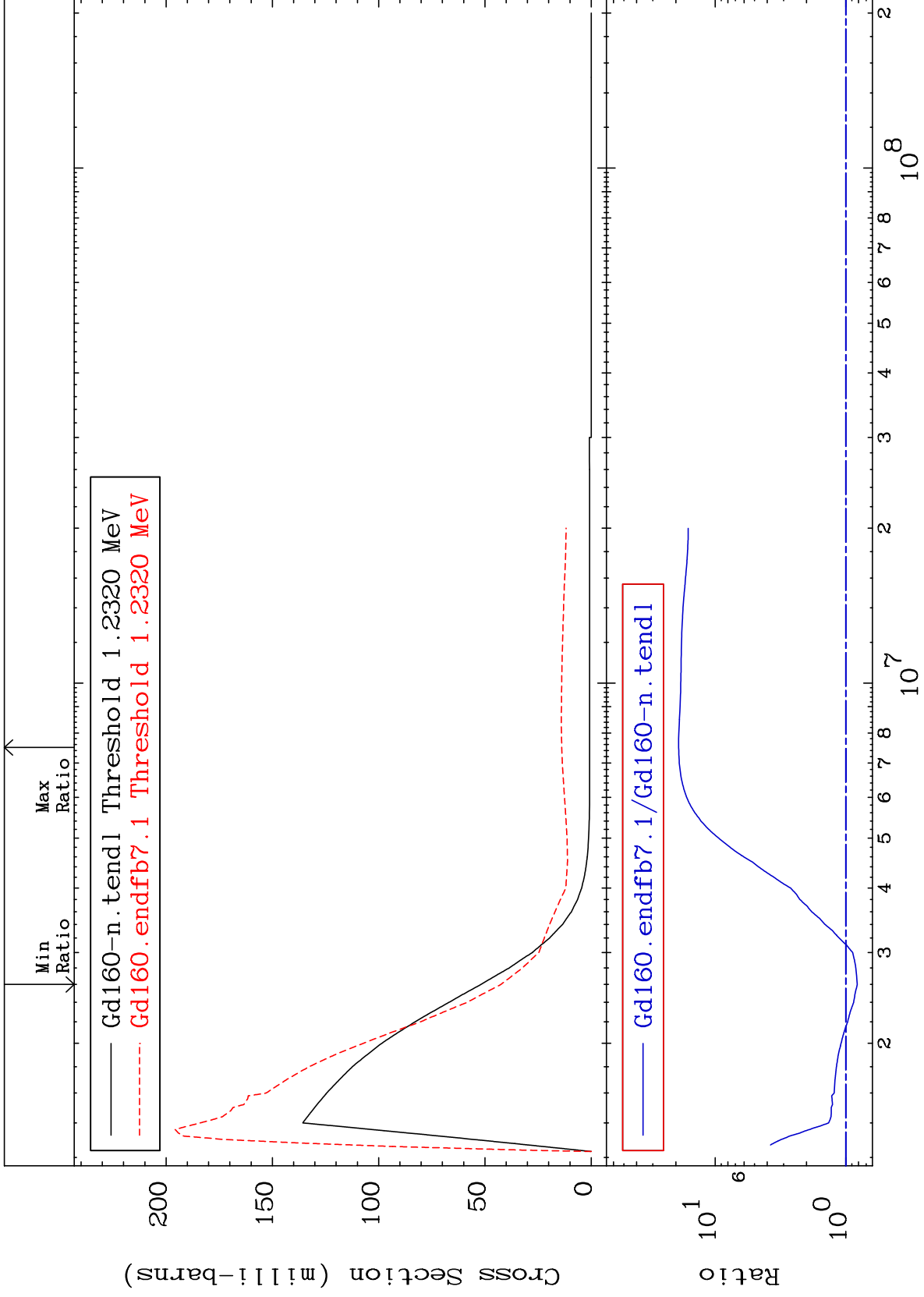
64-Gd-160

MAT 6449

1.193 MeV (n,n') Level  
Cross Section

64-Gd-160  
-59.41 To 881.5 %

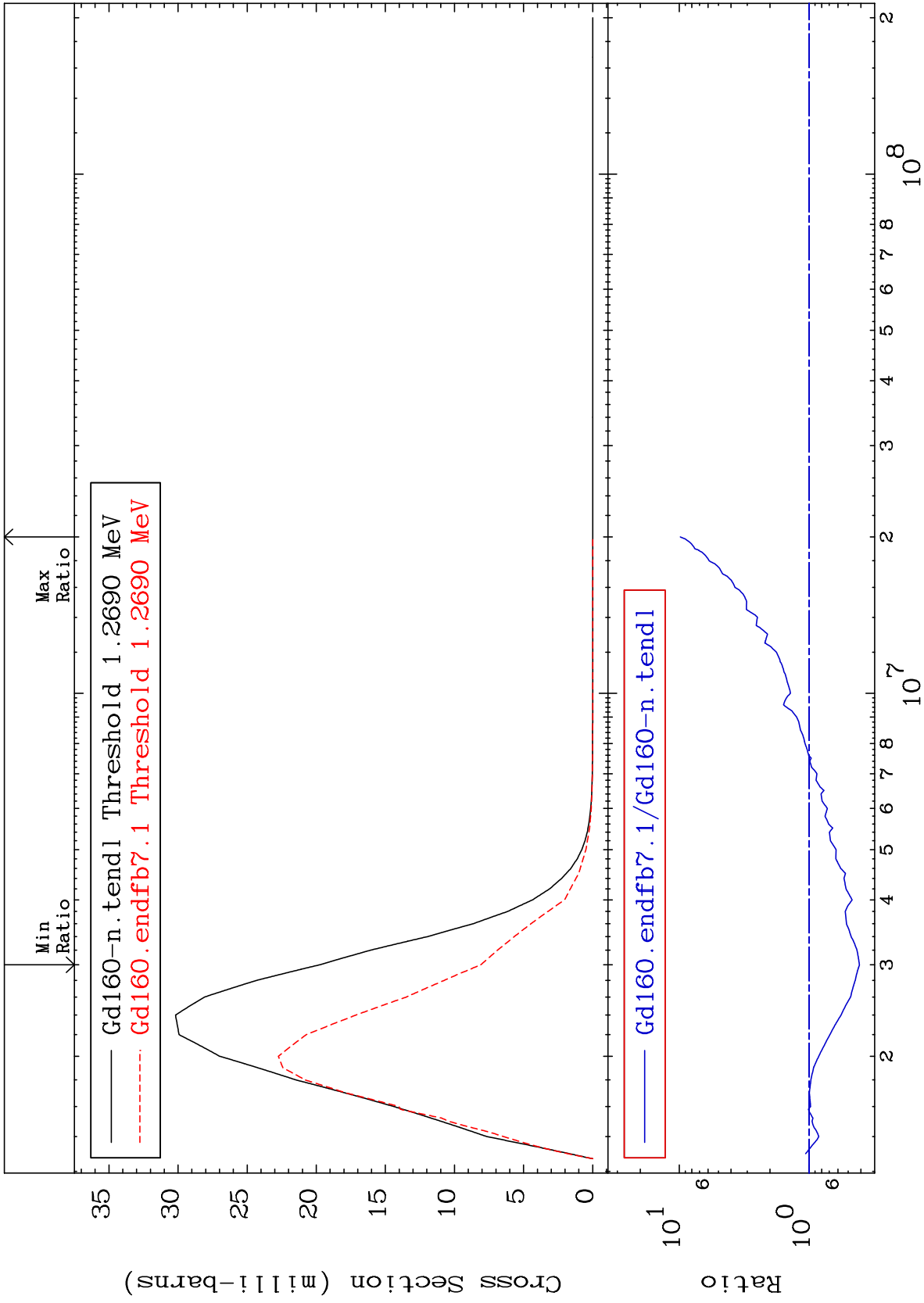




MAT 6449

1.261 MeV (n,n') Level  
Cross Section

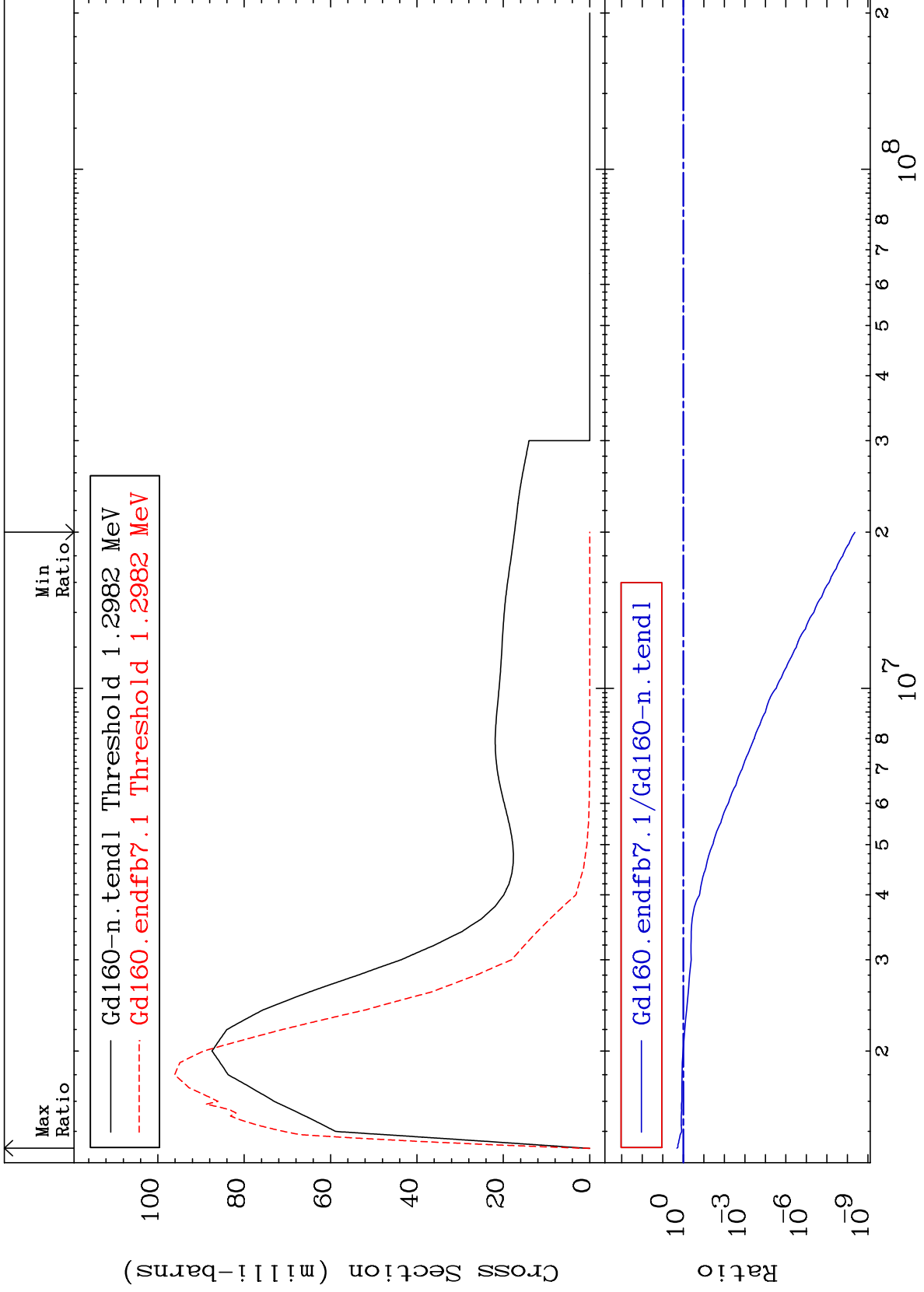
64-Gd-160  
-59.00 To 881.1 %



MAT 6449

1.290 MeV (n,n') Level  
Cross Section

64-Gd-160  
-100.0 To 103.9 %

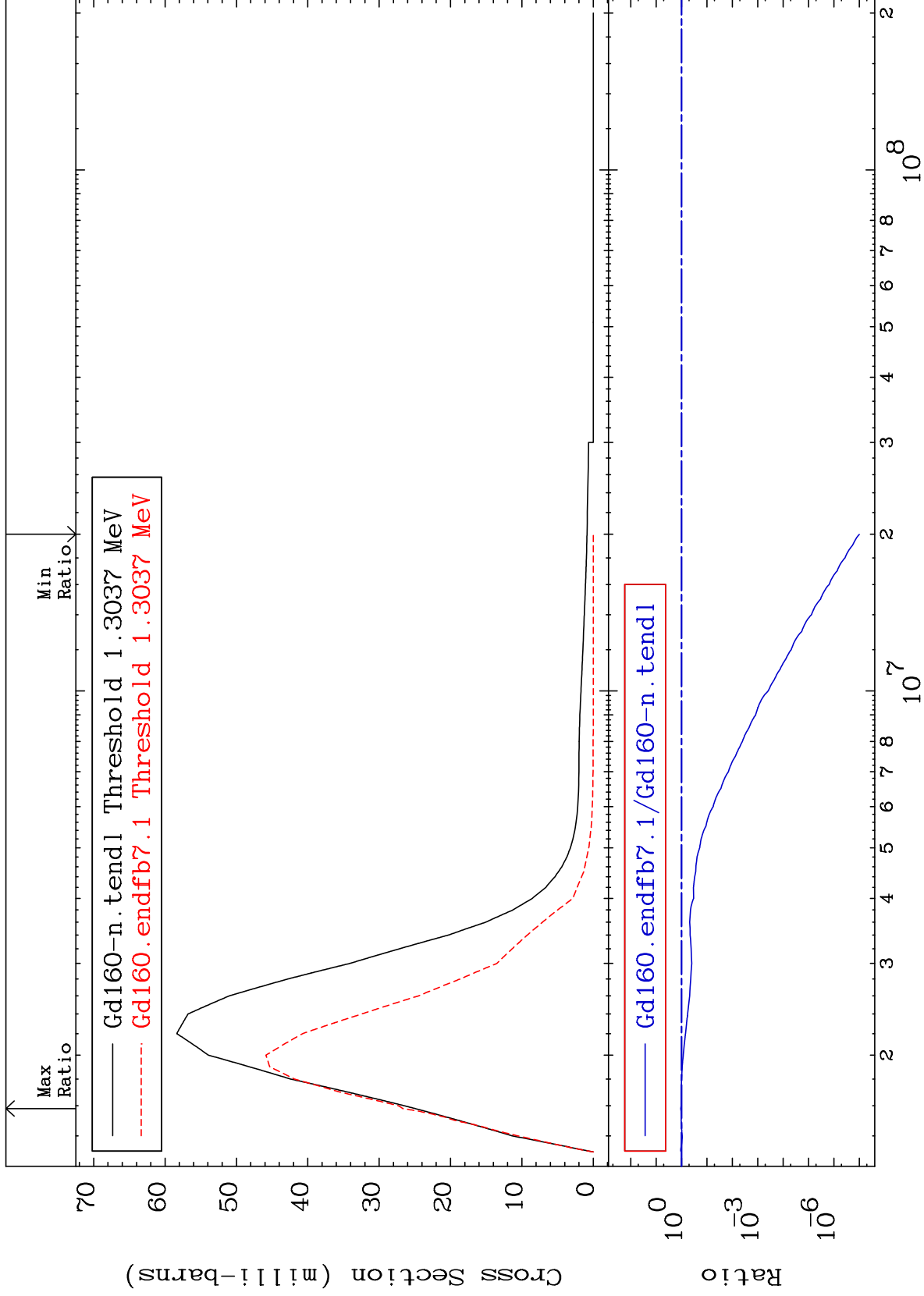




MAT 6449

1.296 MeV (n,n') Level  
Cross Section

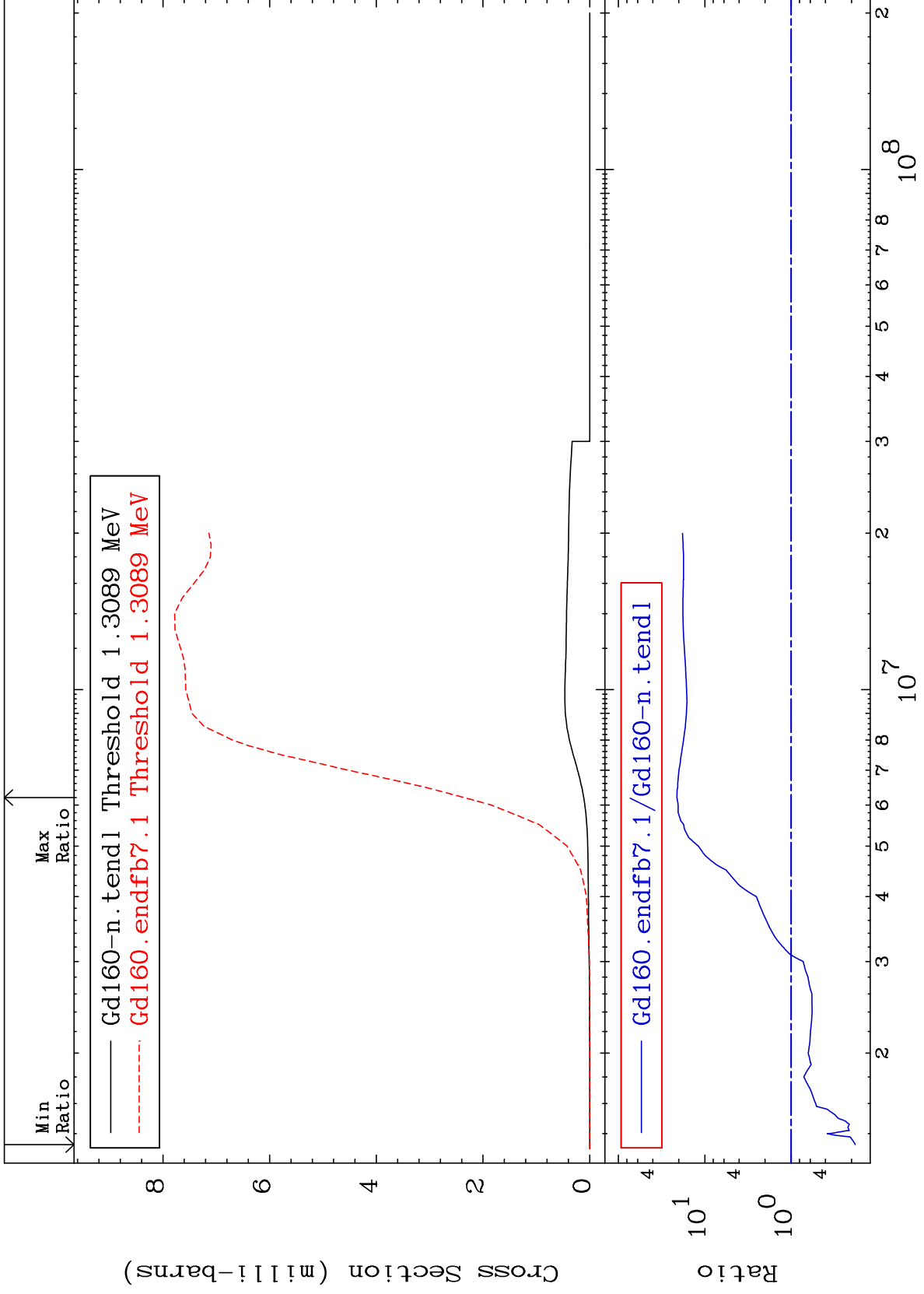
64-Gd-160  
-100.0 To 6.746 %



MAT 6449

1.301 MeV (n,n') Level  
Cross Section

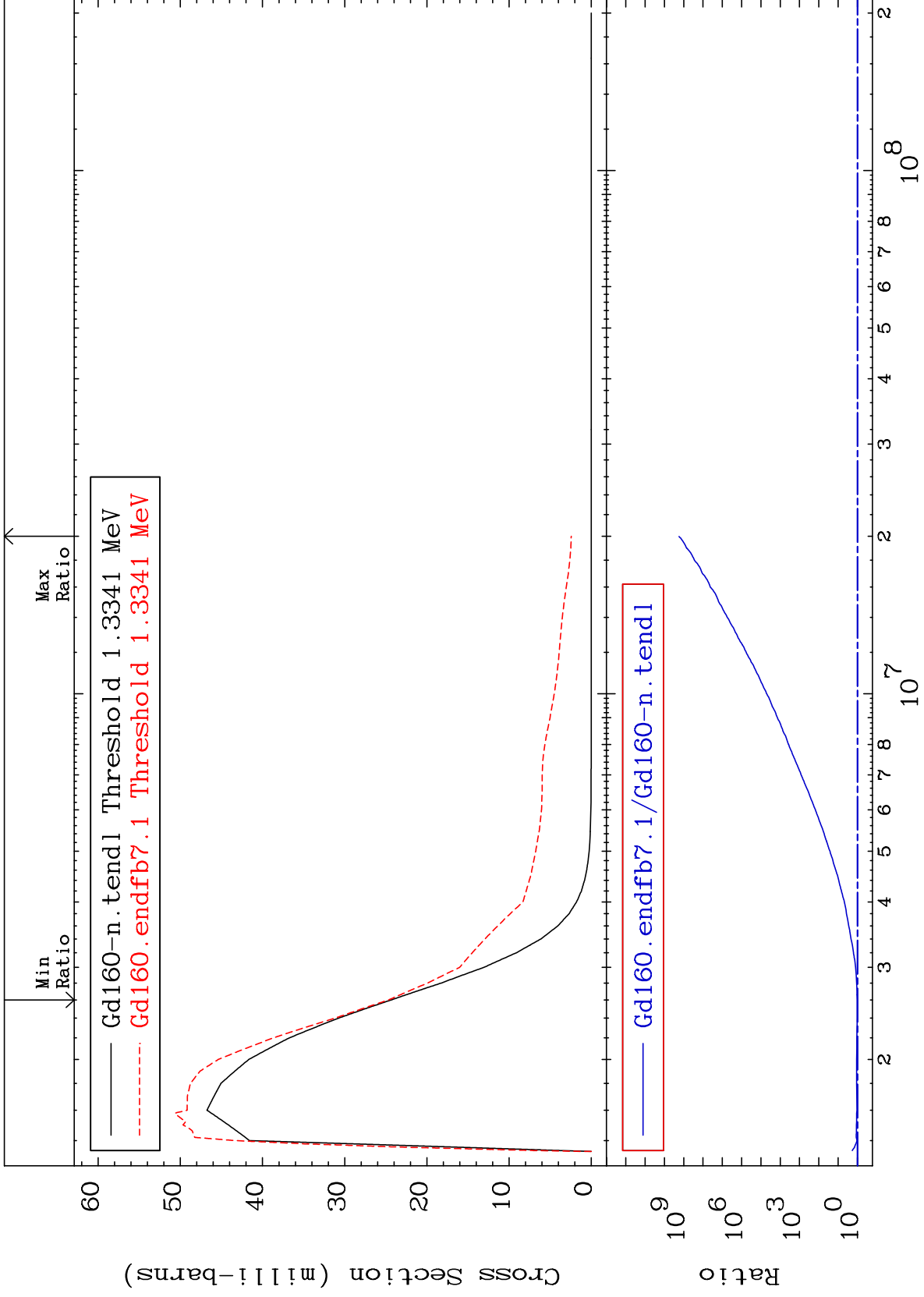
64-Gd-160  
-81.84 To 2003. %



MAT 6449

1.326 MeV (n,n') Level  
Cross Section

64-Gd-160  
1.321 To 9999. %



27

Incident Energy (eV)

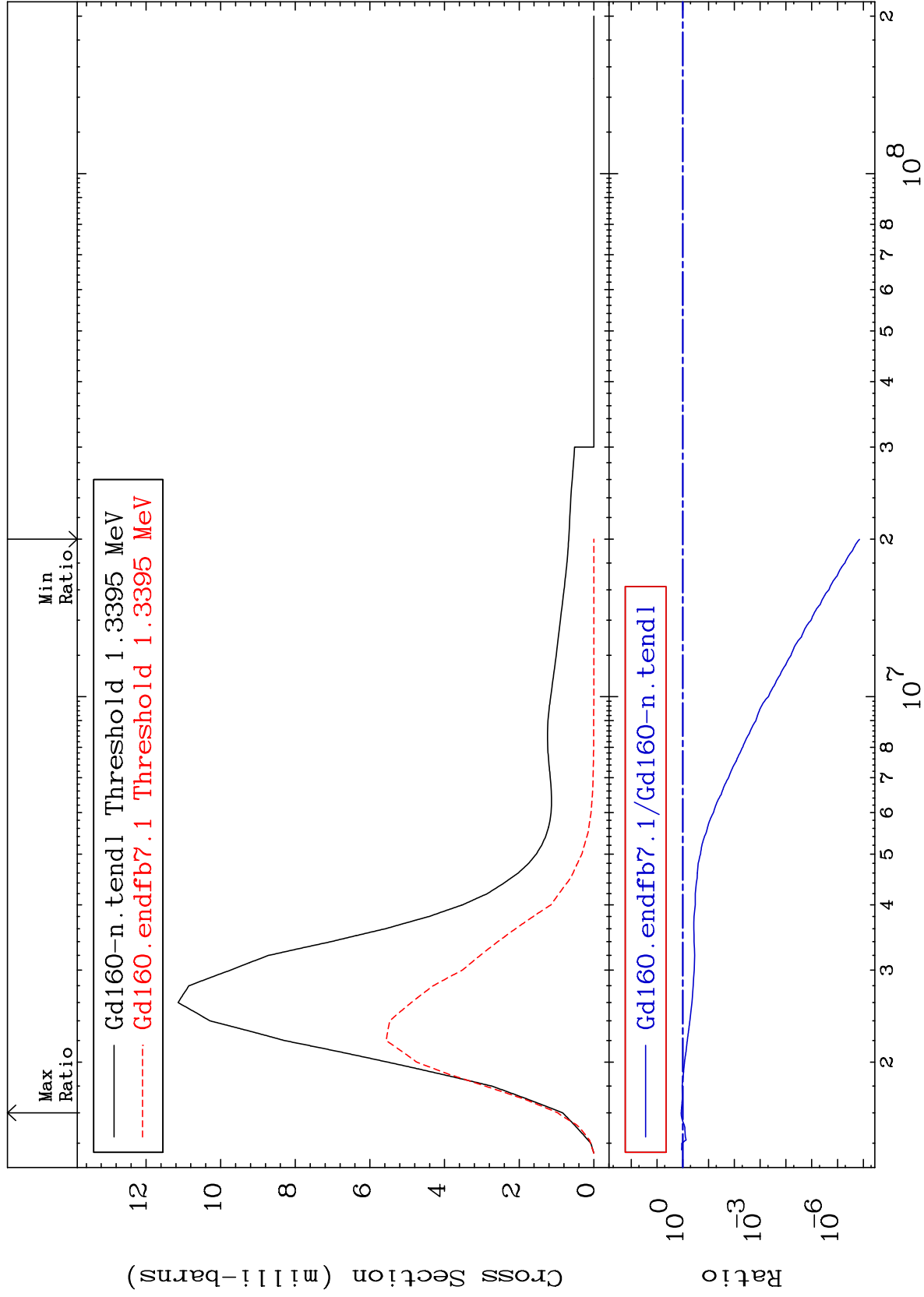
64-Gd-160

MAT 6449

1.331 MeV (n,n') Level

64-Gd-160

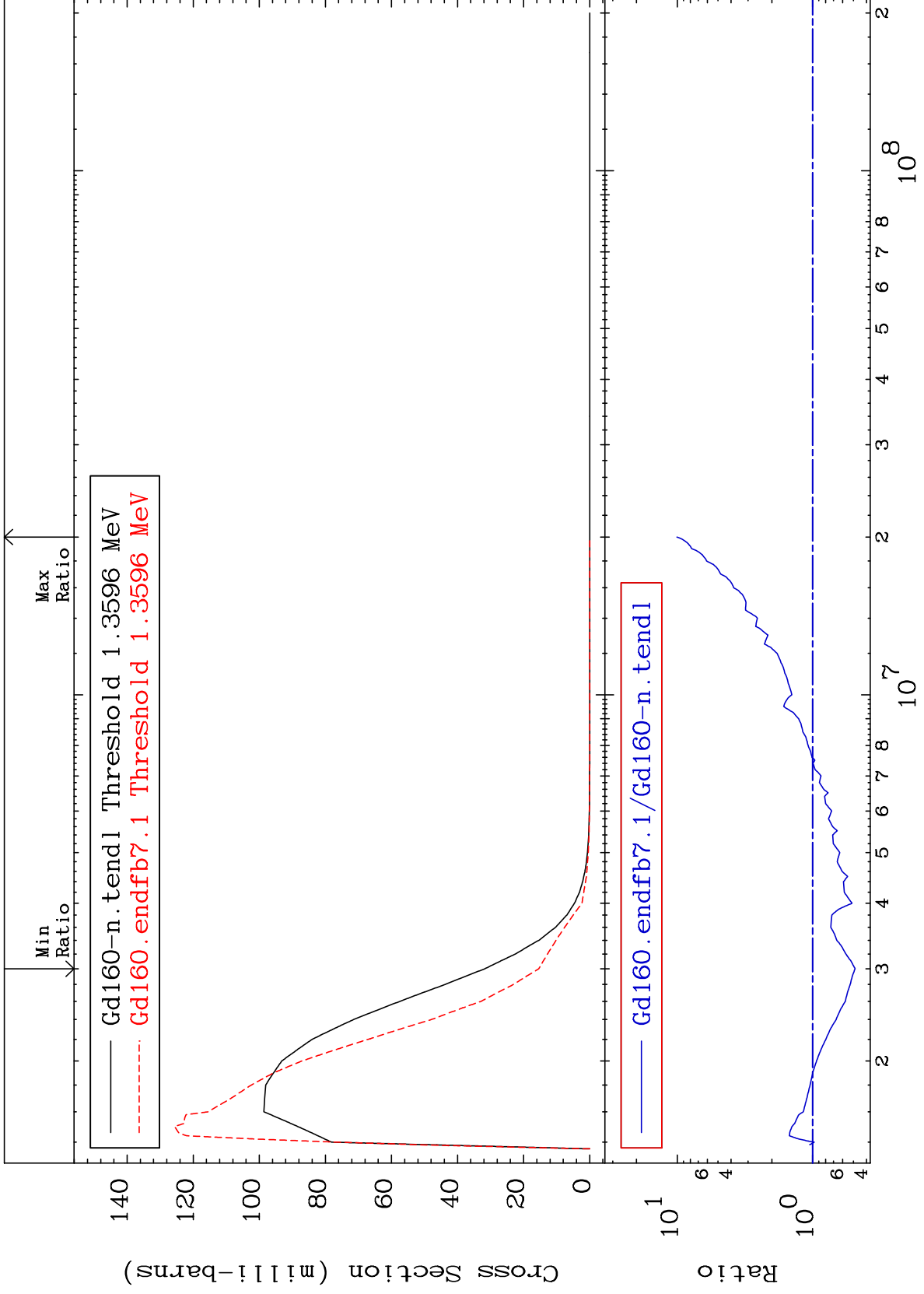
-100.0 To 15.61 %



MAT 6449

1.351 MeV (n,n') Level  
Cross Section

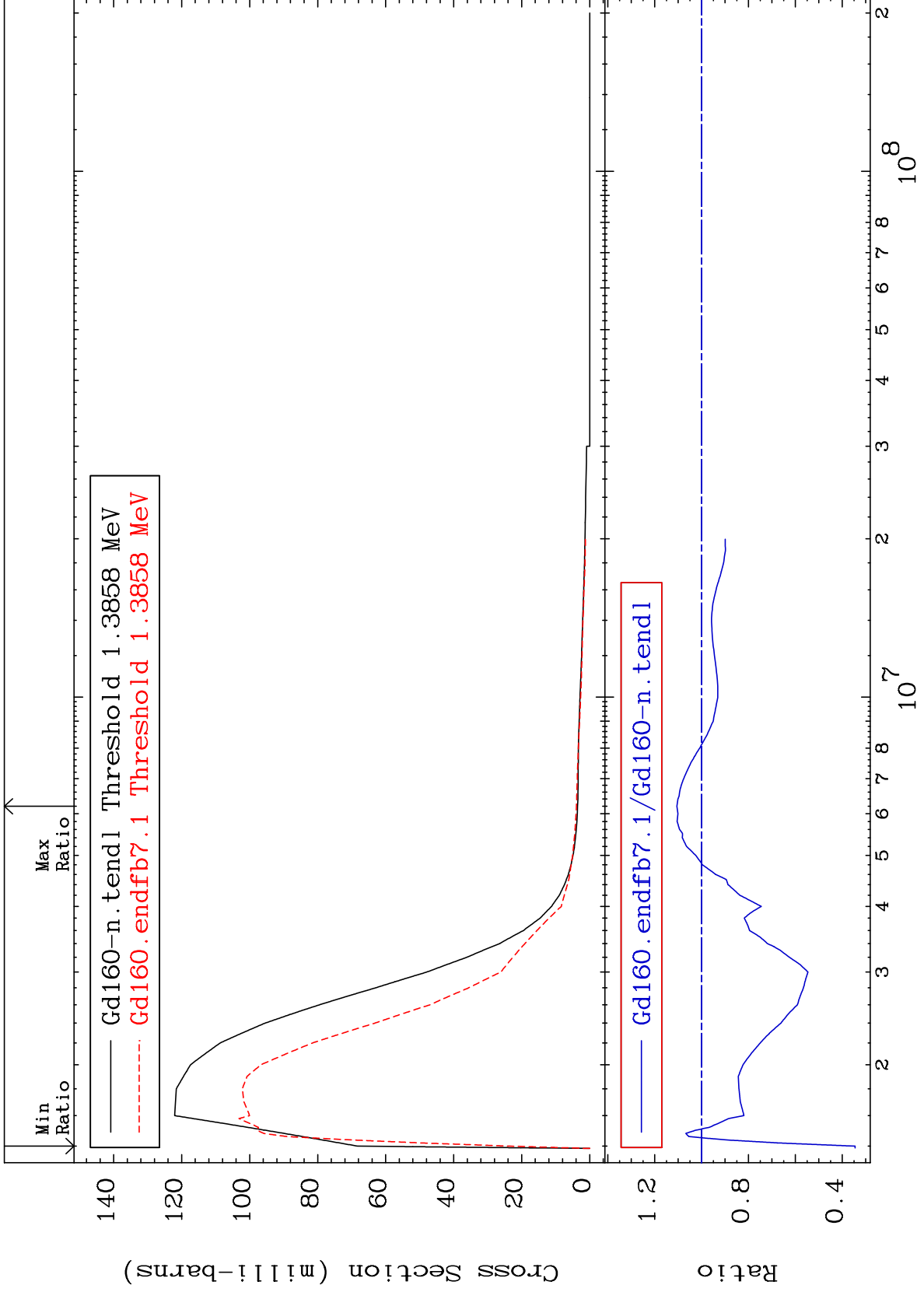
64-Gd-160  
-51.46 To 905.8 %



MAT 6449

1.377 MeV (n,n') Level  
Cross Section

64-Gd-160  
-65.48 To 10.52 %



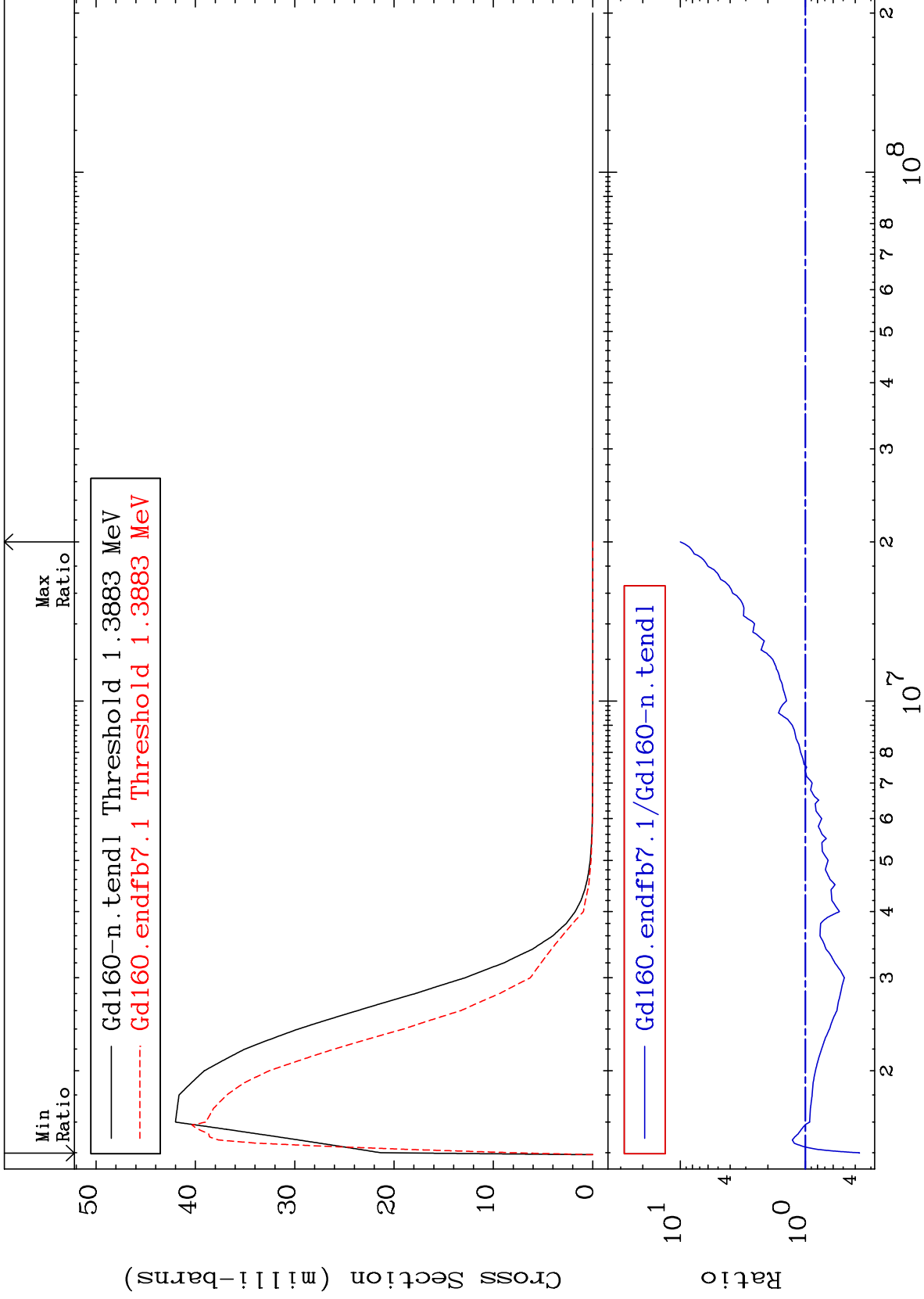
30

64-Gd-160

MAT 6449

1.380 MeV (n,n') Level  
Cross Section

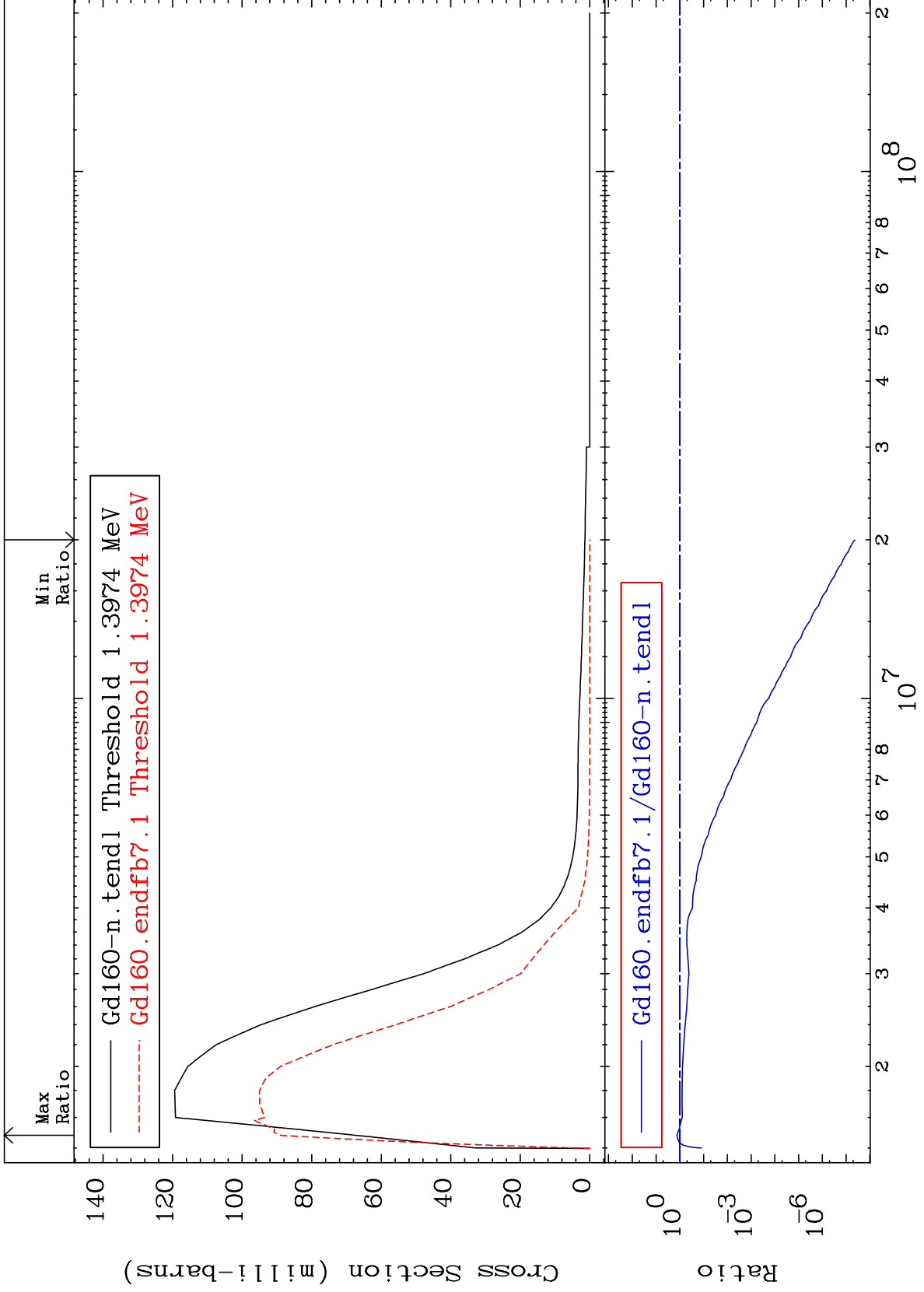
64-Gd-160  
-62.96 To 900.5 %



MAT 6449

1.389 MeV (n,n') Level  
Cross Section

64-Gd-160  
-100.0 To 32.15 %

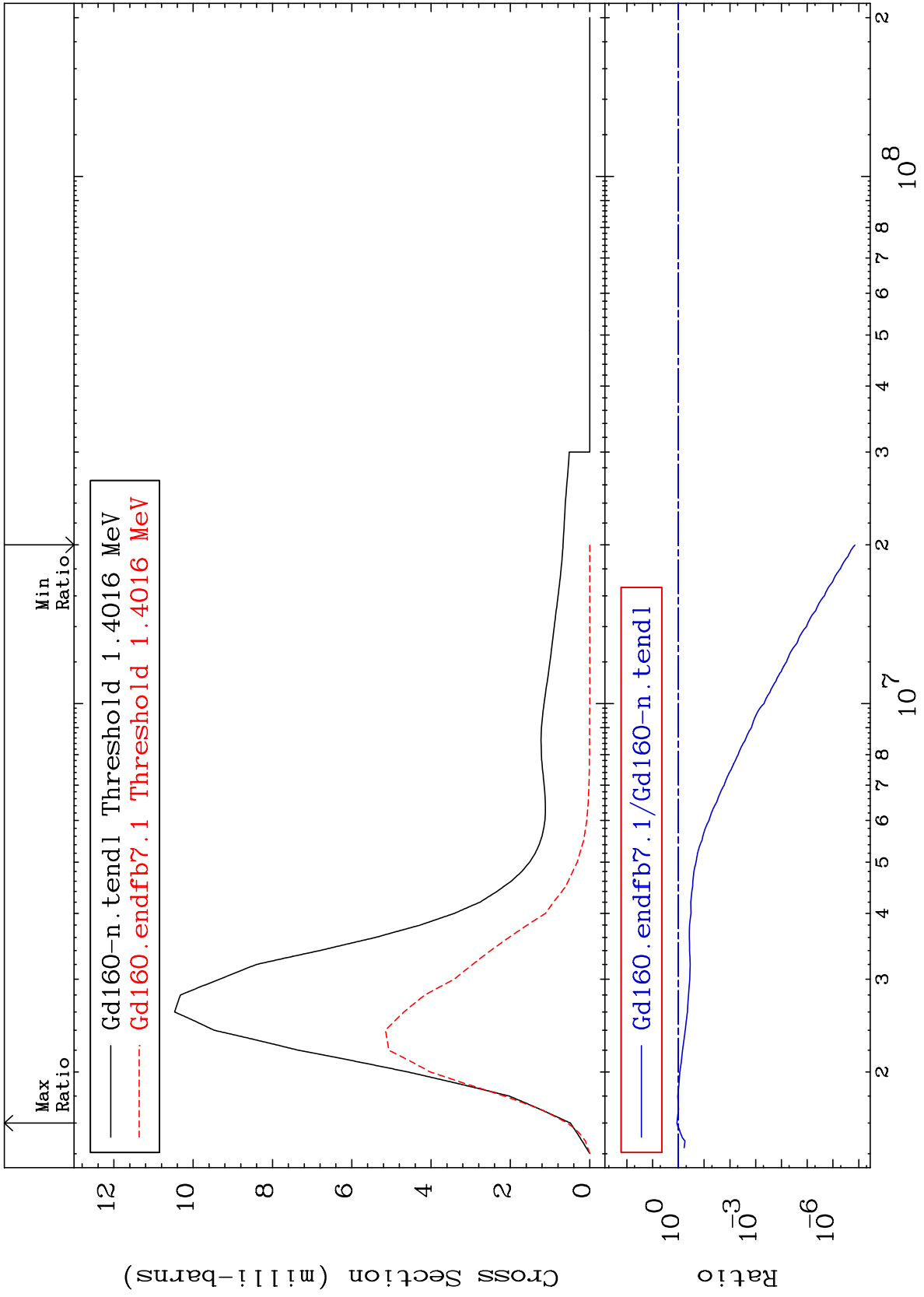




MAT 6449

1.393 MeV (n,n') Level  
Cross Section

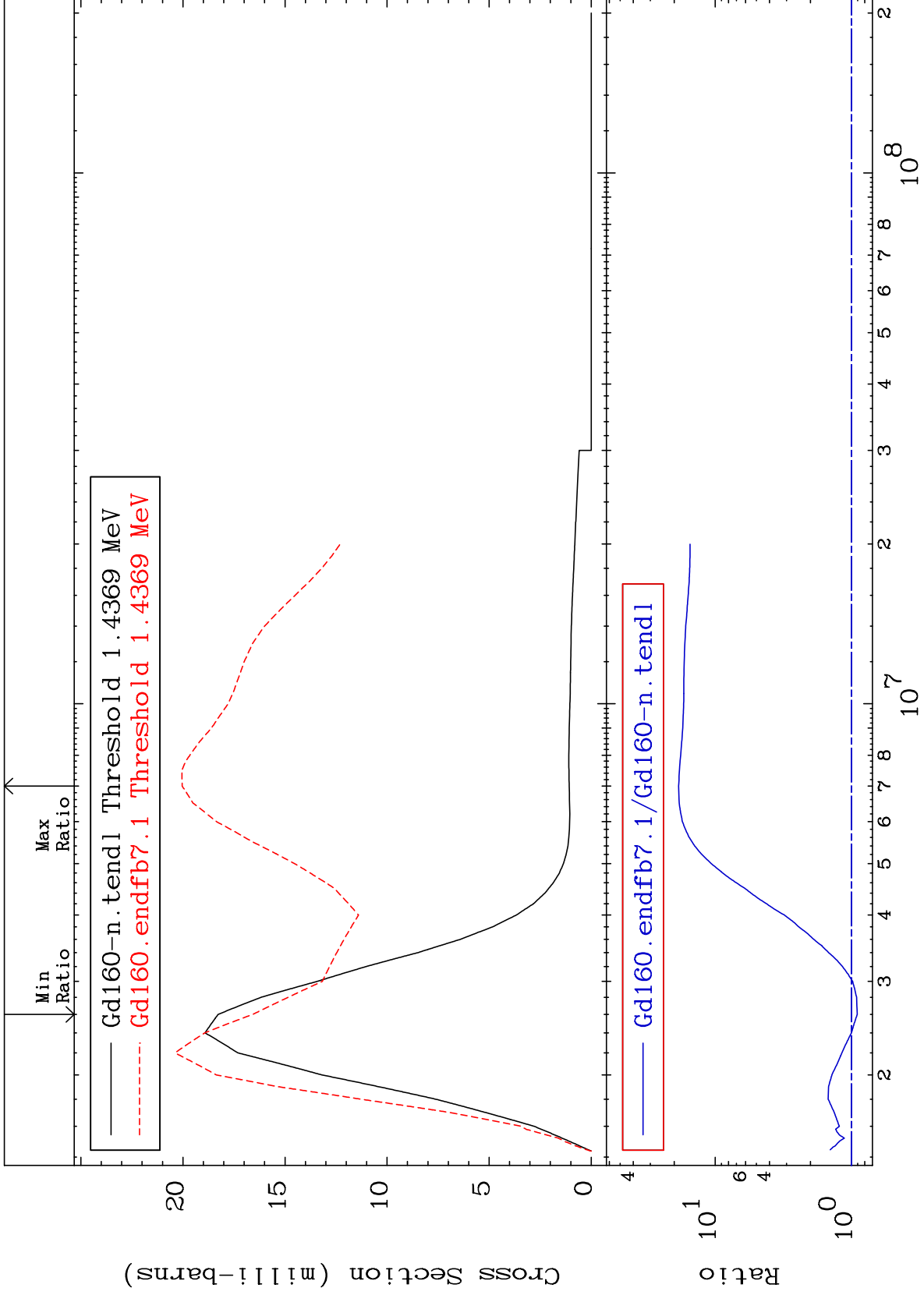
64-Gd-160  
-100.0 To 14.02 %



MAT 6449

1.428 MeV (n,n') Level  
Cross Section

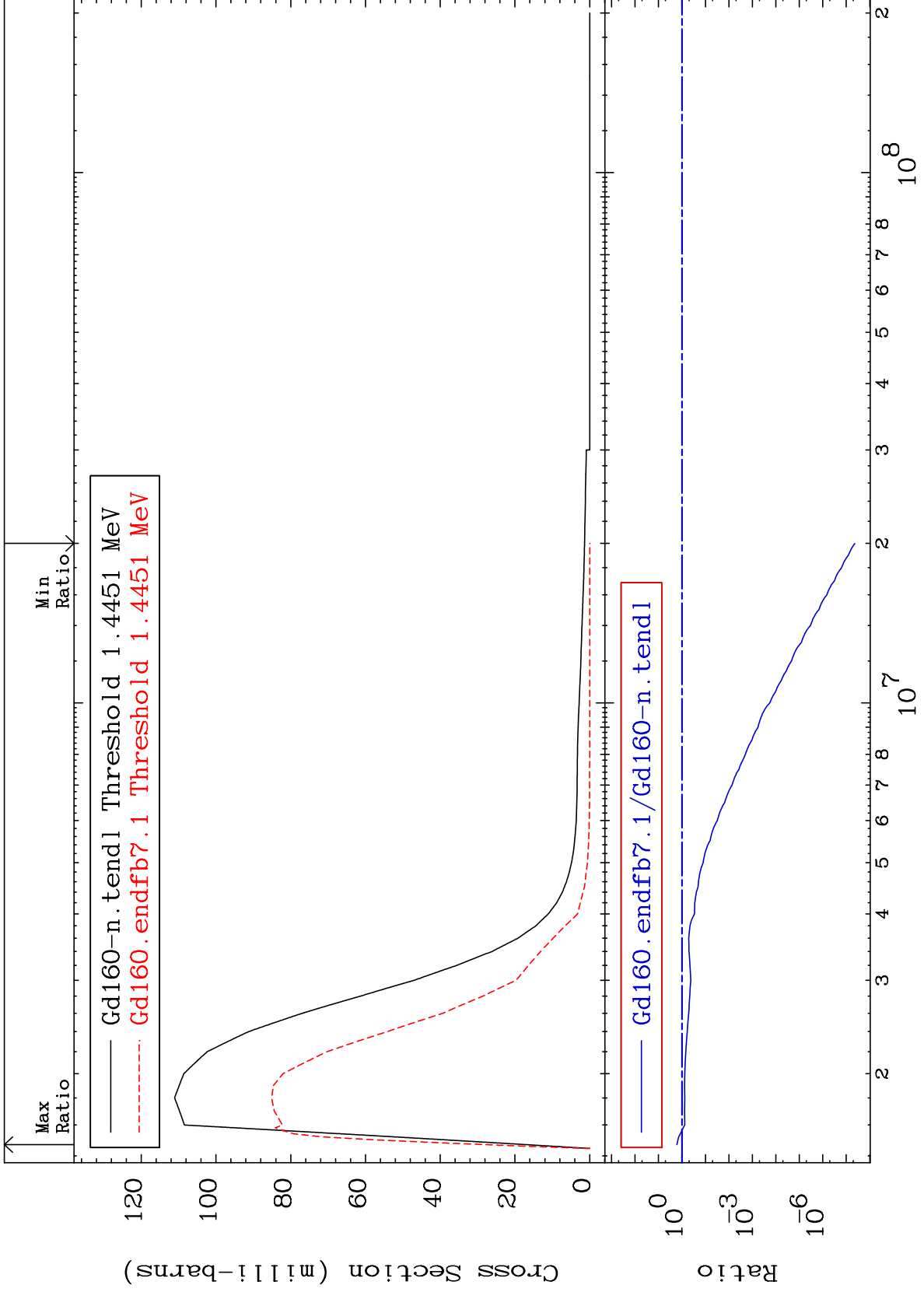
64-Gd-160  
-9.315 To 1758. %



MAT 6449

1.436 MeV (n,n') Level  
Cross Section

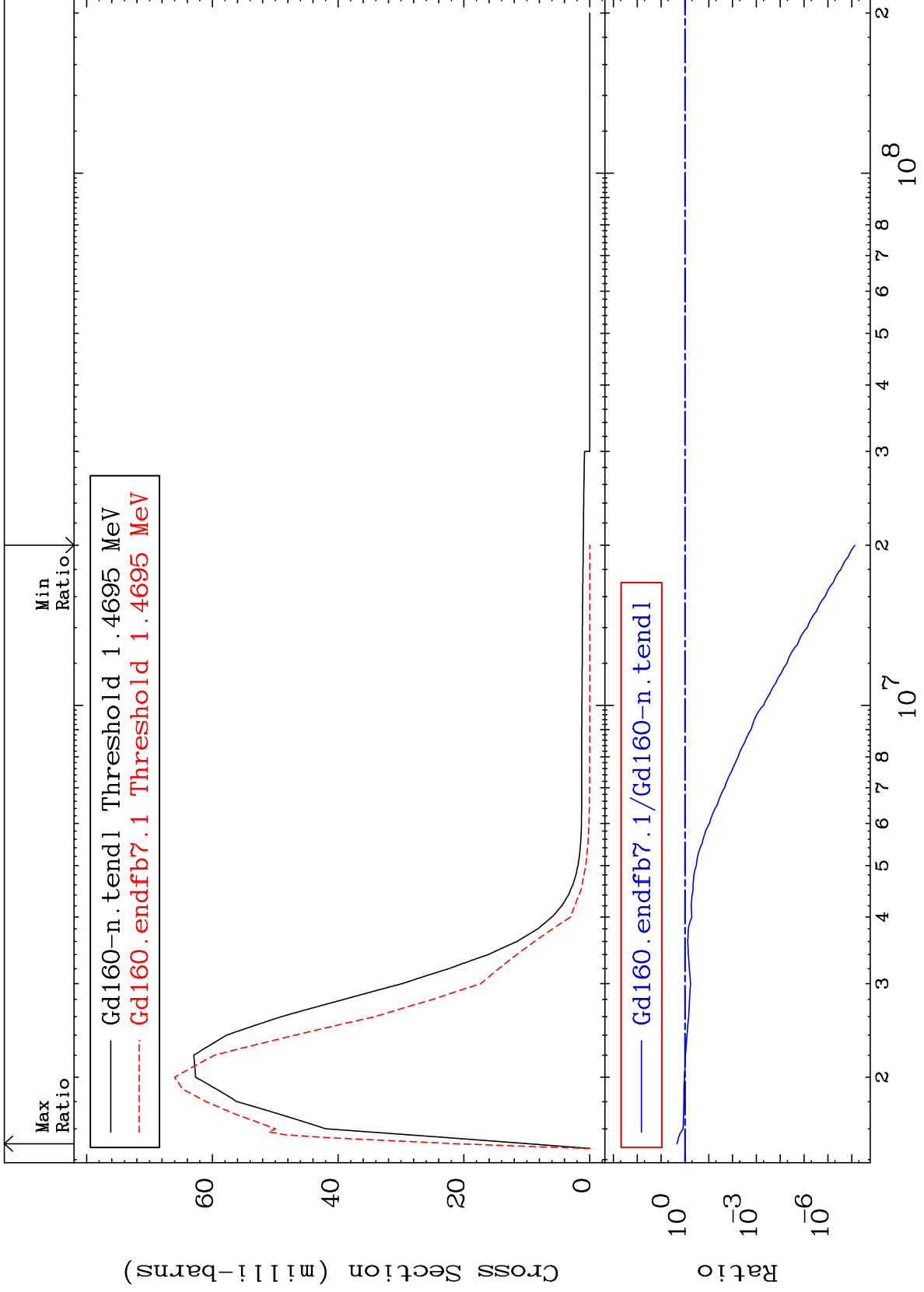
64-Gd-160  
-100.0 To 63.91 %



MAT 6449

1.460 MeV (n,n') Level  
Cross Section

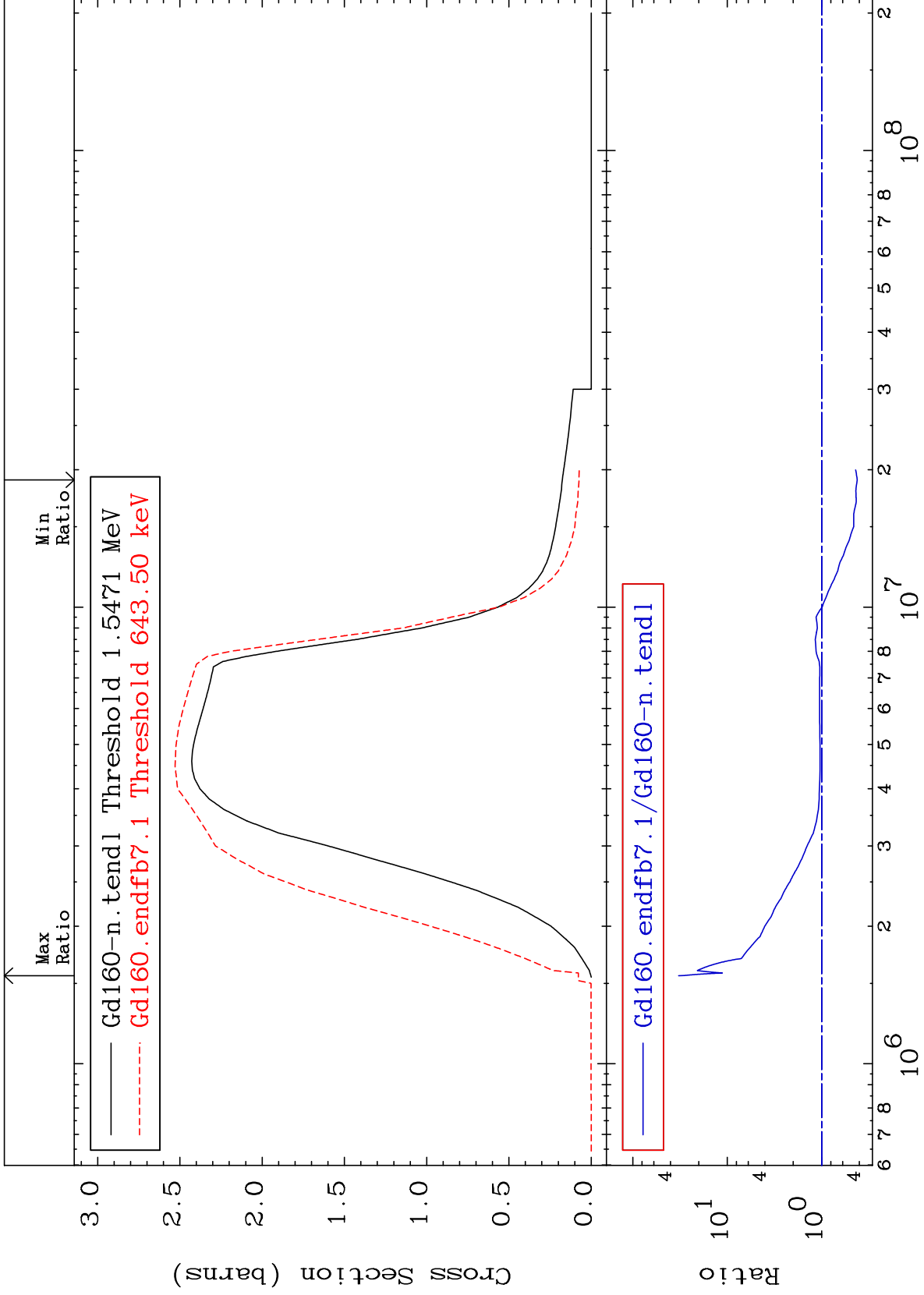
64-Gd-160  
-100.0 To 116.1 %



MAT 6449

(n, n') Continuum  
Cross Section

64-Gd-160  
-58.00 To 3175. %



37

64-Gd-160

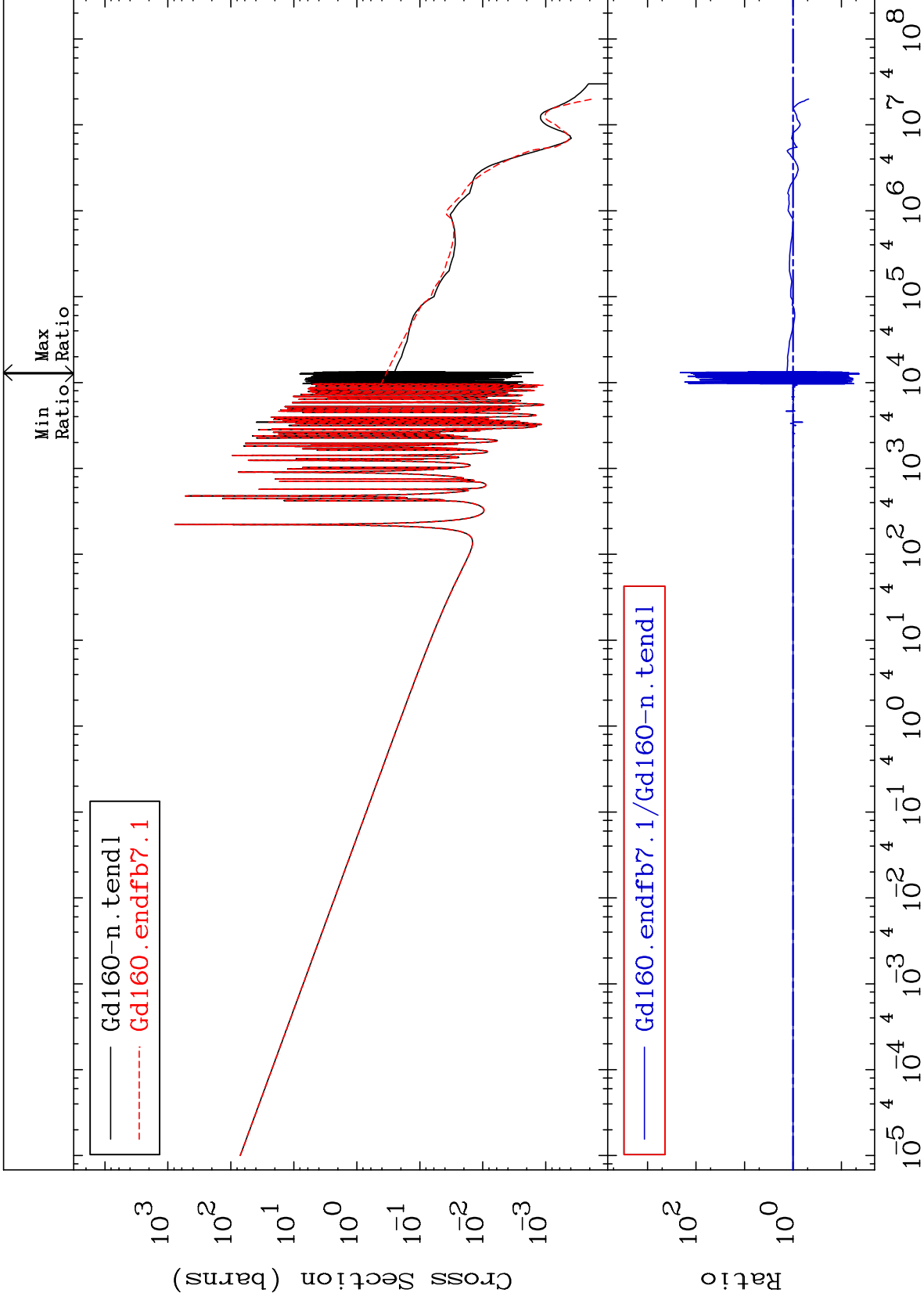
MAT 6449

(n,  $\gamma$ )

64-Gd-160

Cross Section

-95.72 To 9999. %



Incident Energy (eV)

64-Gd-160

38

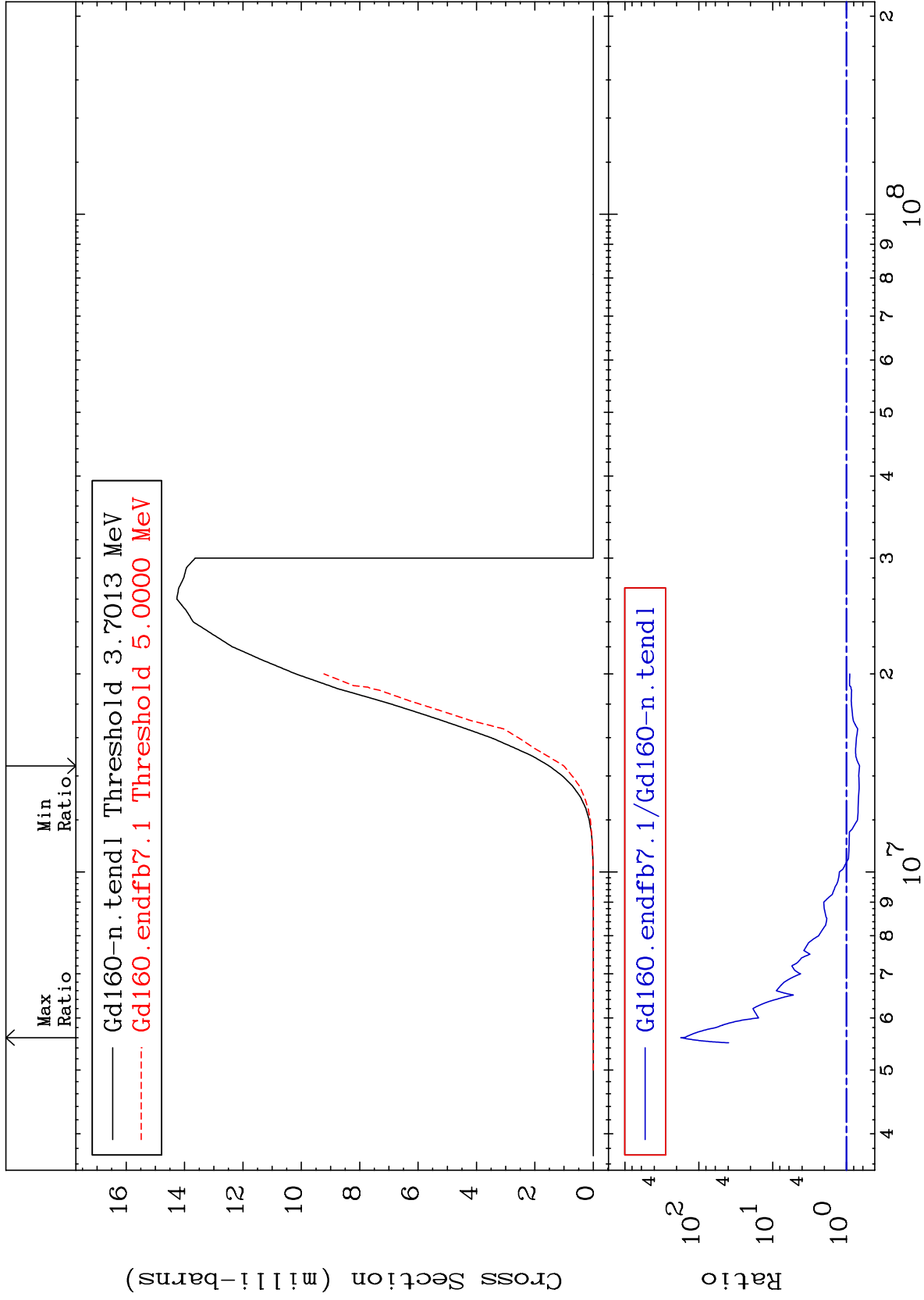
MAT 6449

(n,p)

64-Gd-160

Cross Section

-33.39 To 9999. %



39

Incident Energy (eV)

64-Gd-160

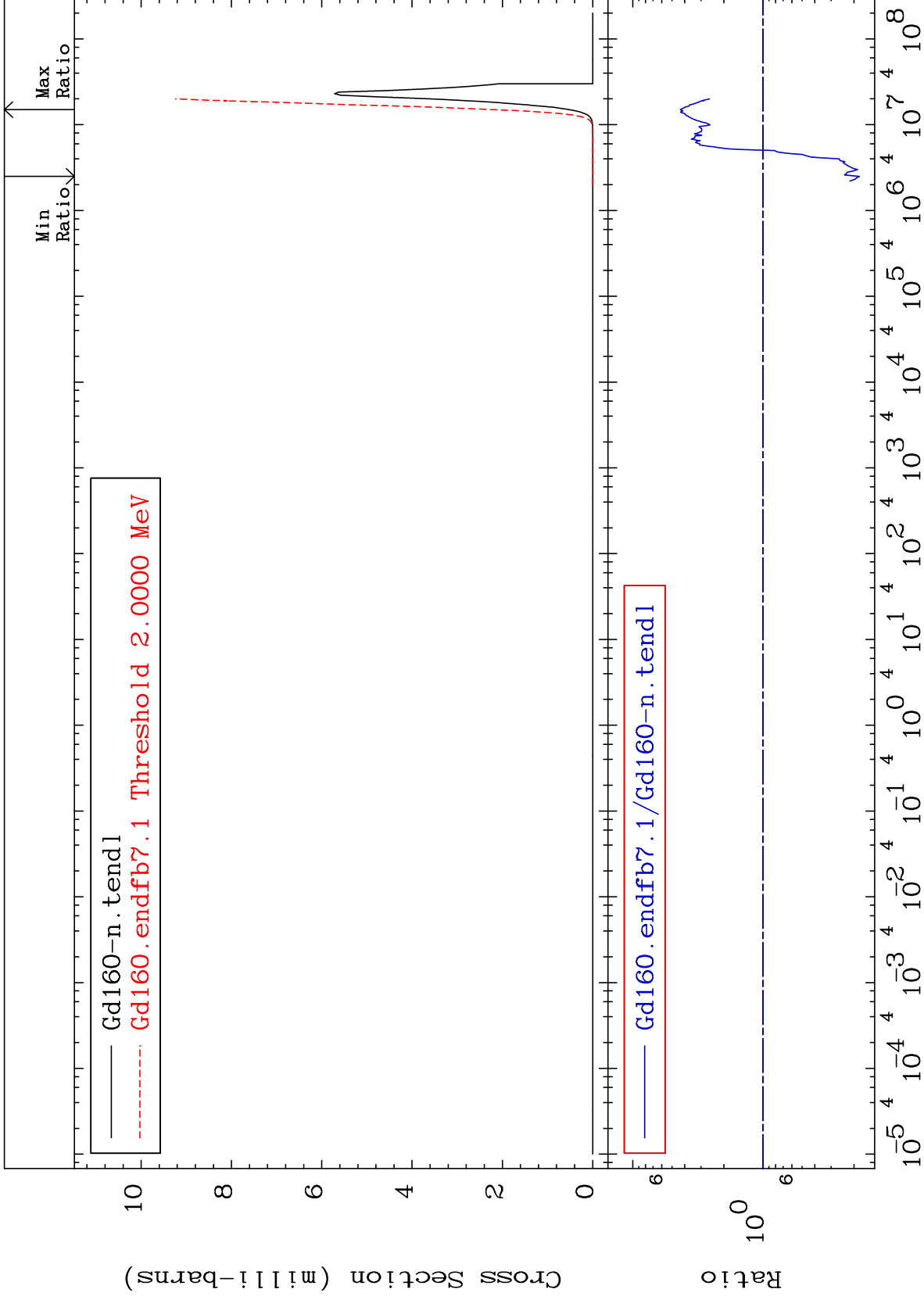
MAT 6449

(n,  $\alpha$ )

64-Gd-160

Cross Section

-81.84 To 331.2 %

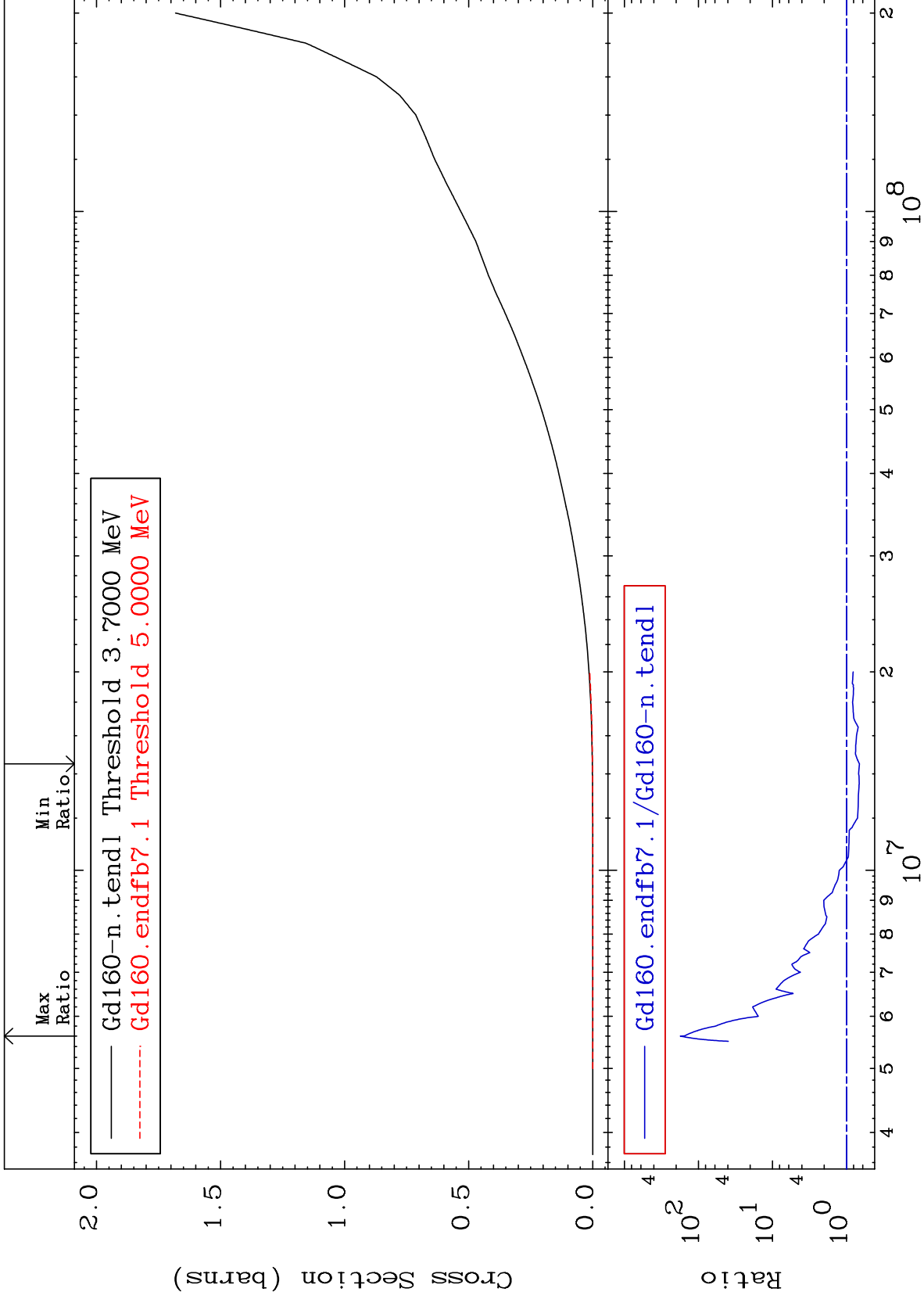


40

Incident Energy (eV)

64-Gd-160

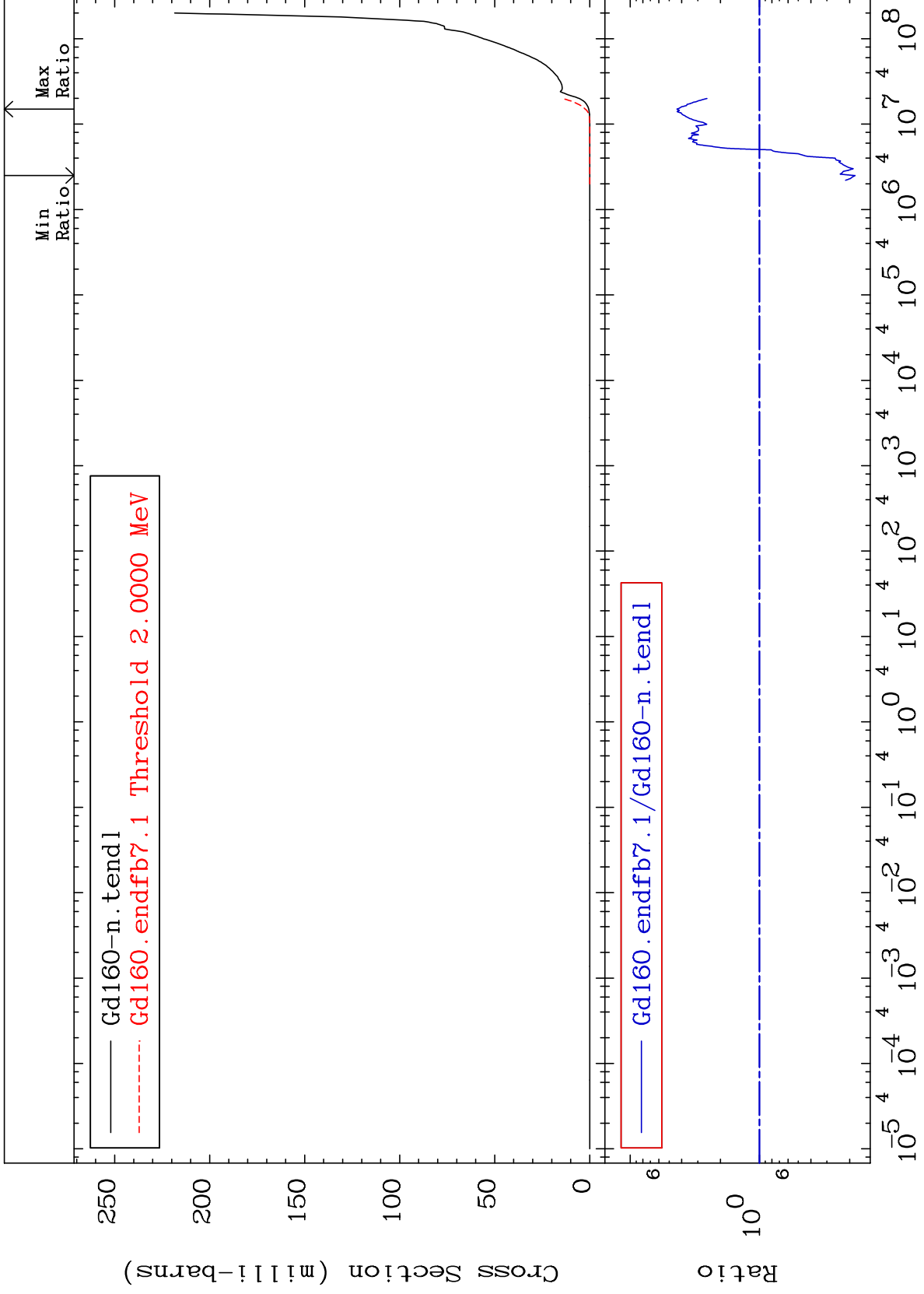


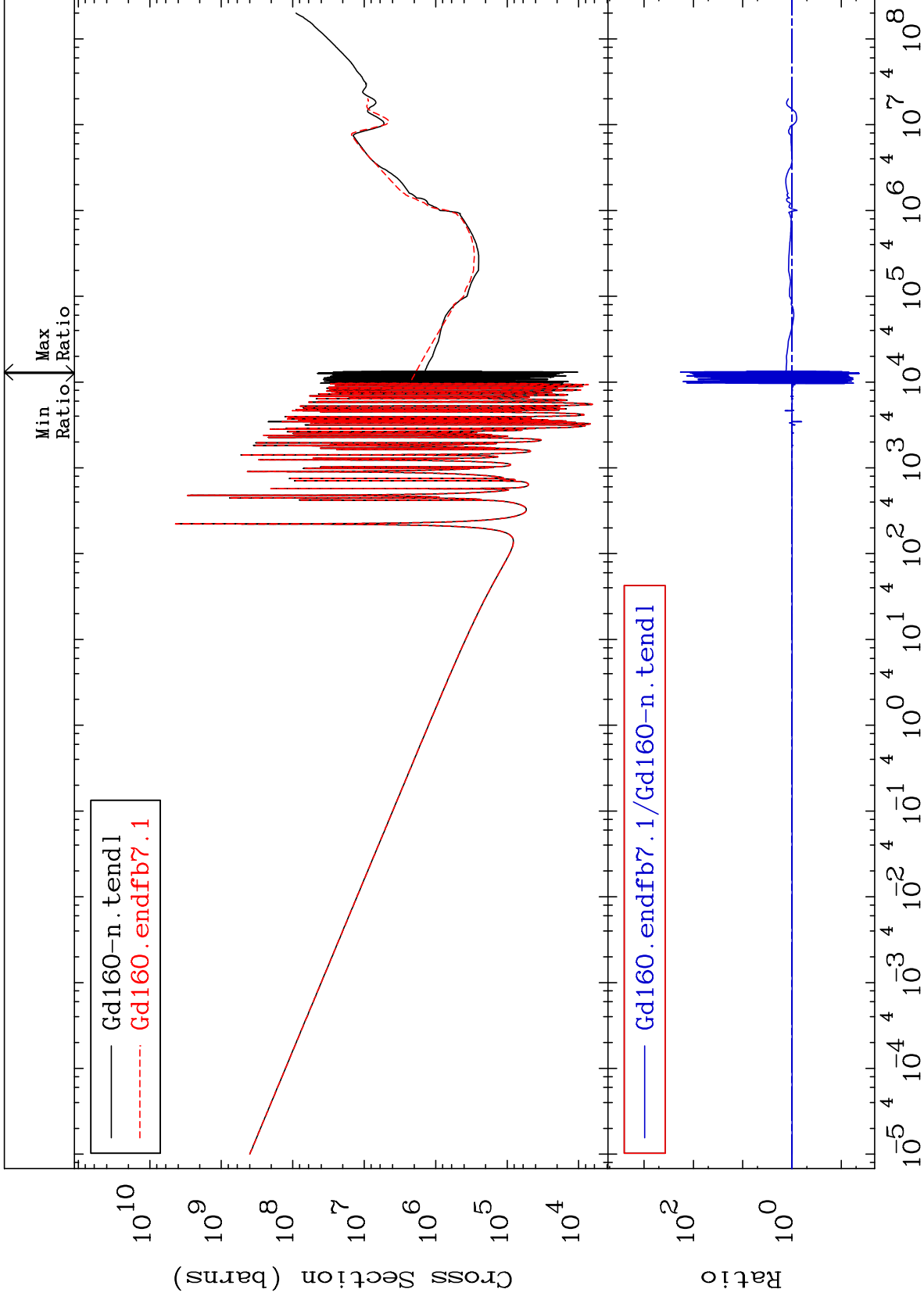


MAT 6449

He-4 Production  
Cross Section

64-Gd-160  
-81.84 To 335.2 %

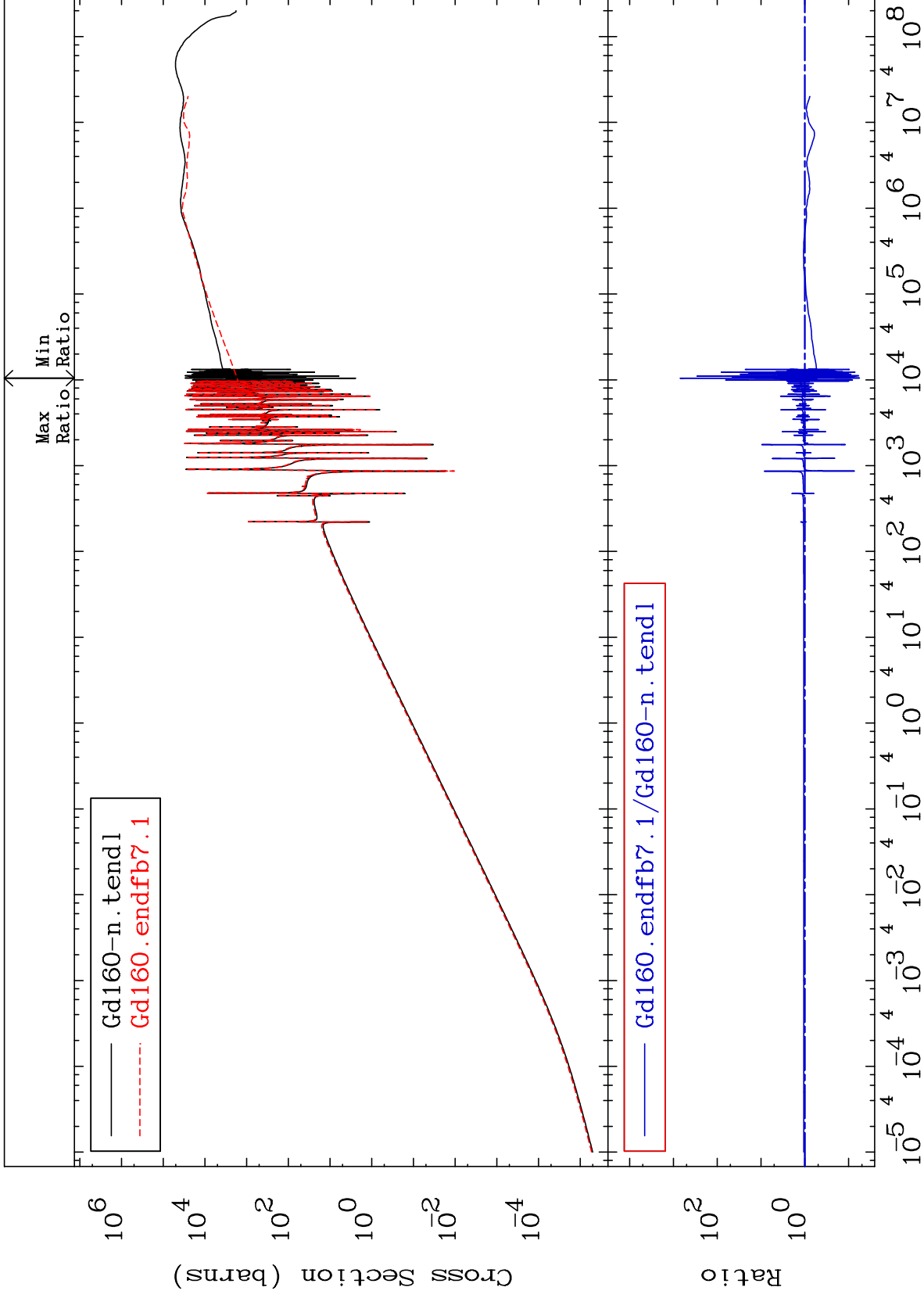


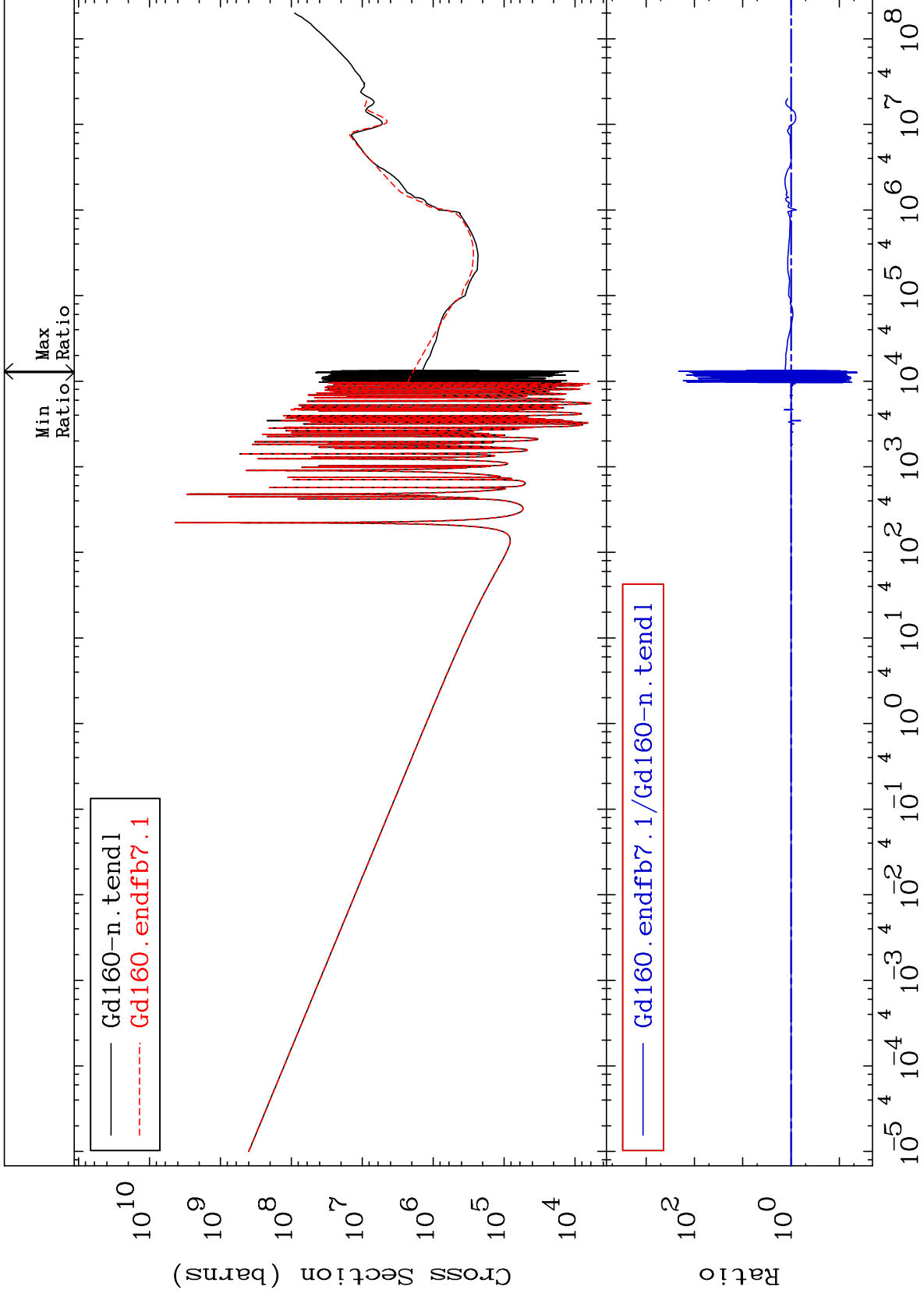


MAT 6449

Kerma elastic  
Cross Section

64-Gd-160  
-94.32 To 9999. %

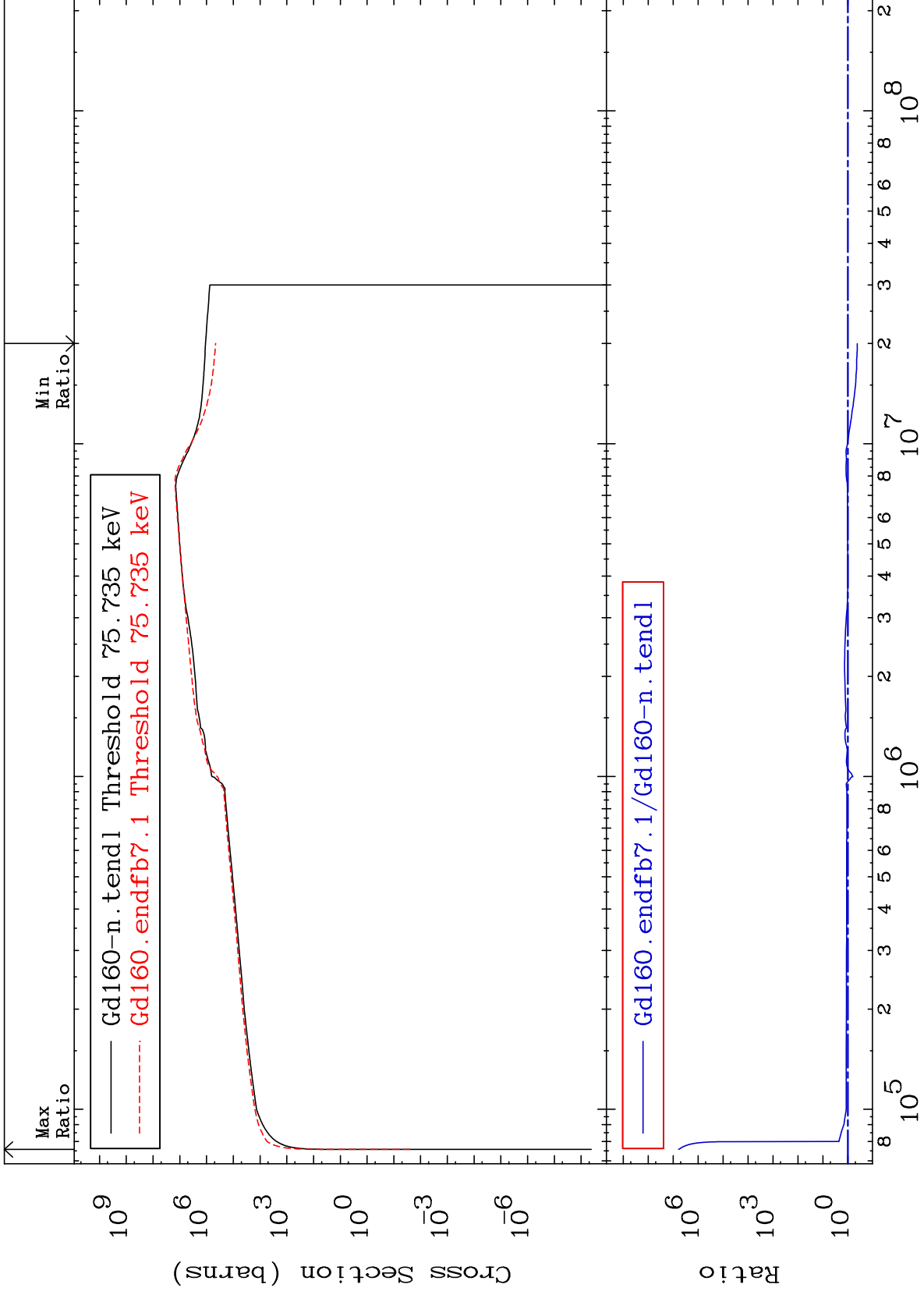




MAT 6449

Kerma inelastic (mt51-91)  
Cross Section

64-Gd-160  
-57.86 To 9999. %



46

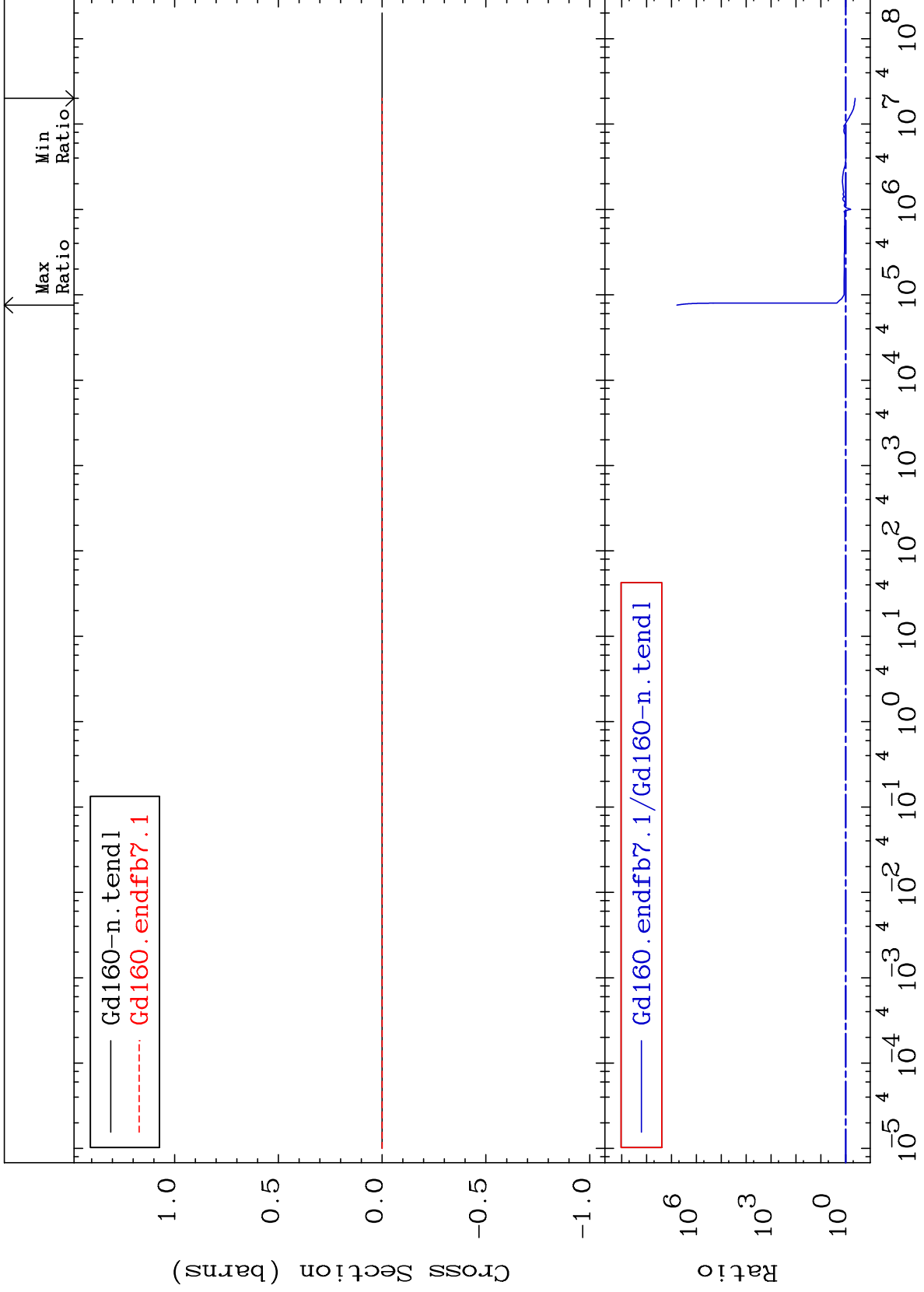
Incident Energy (eV)

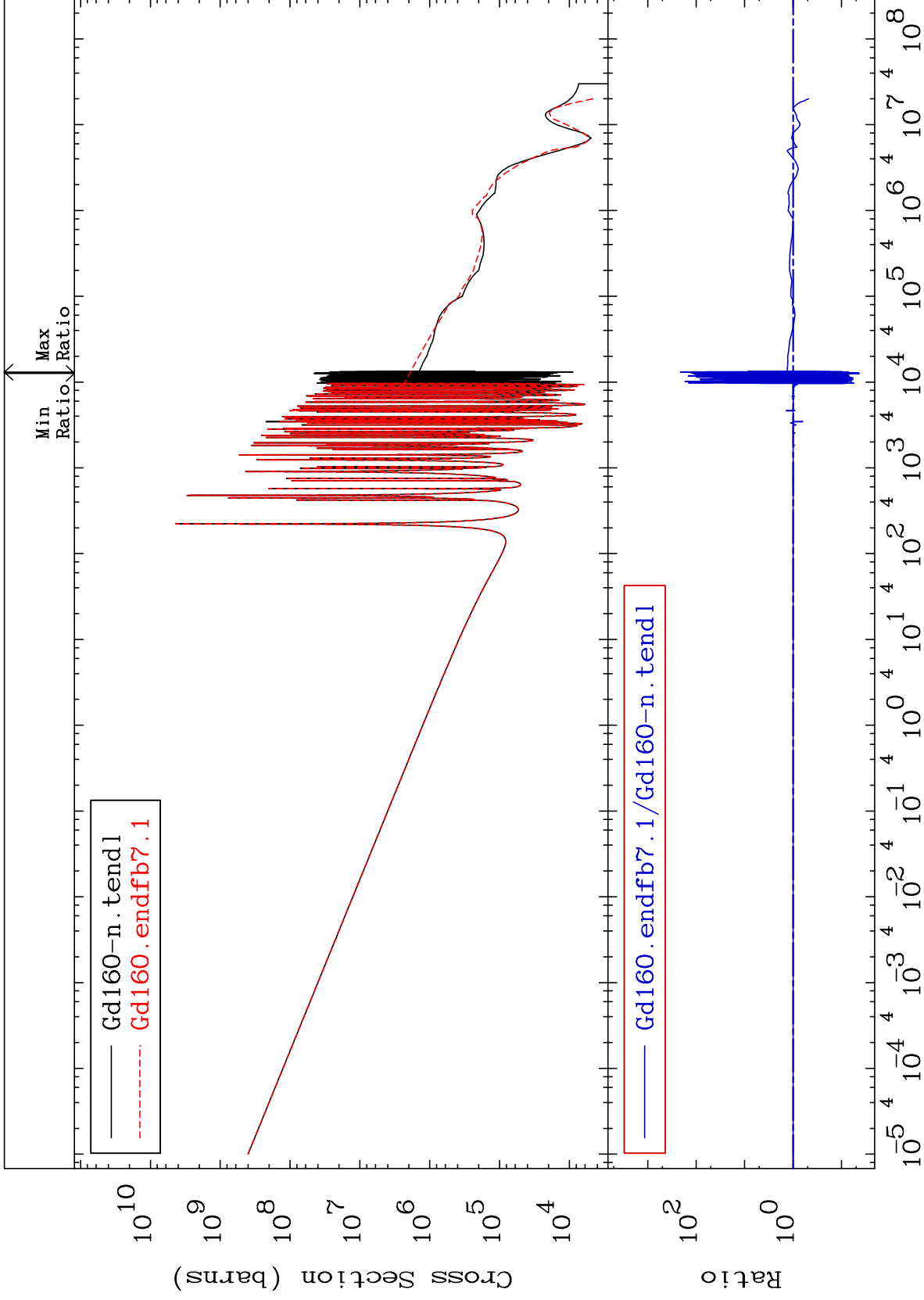
64-Gd-160

MAT 6449

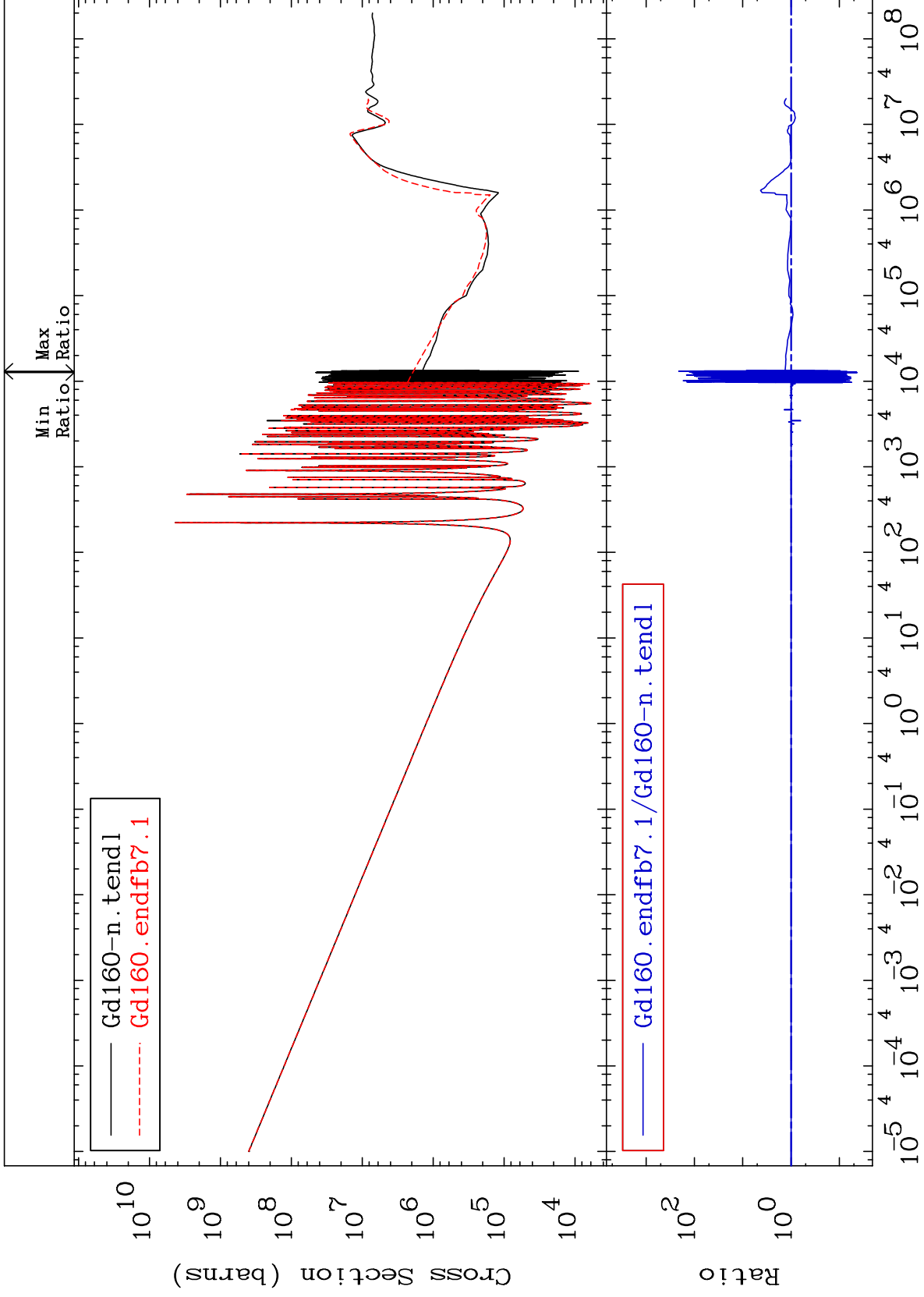
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

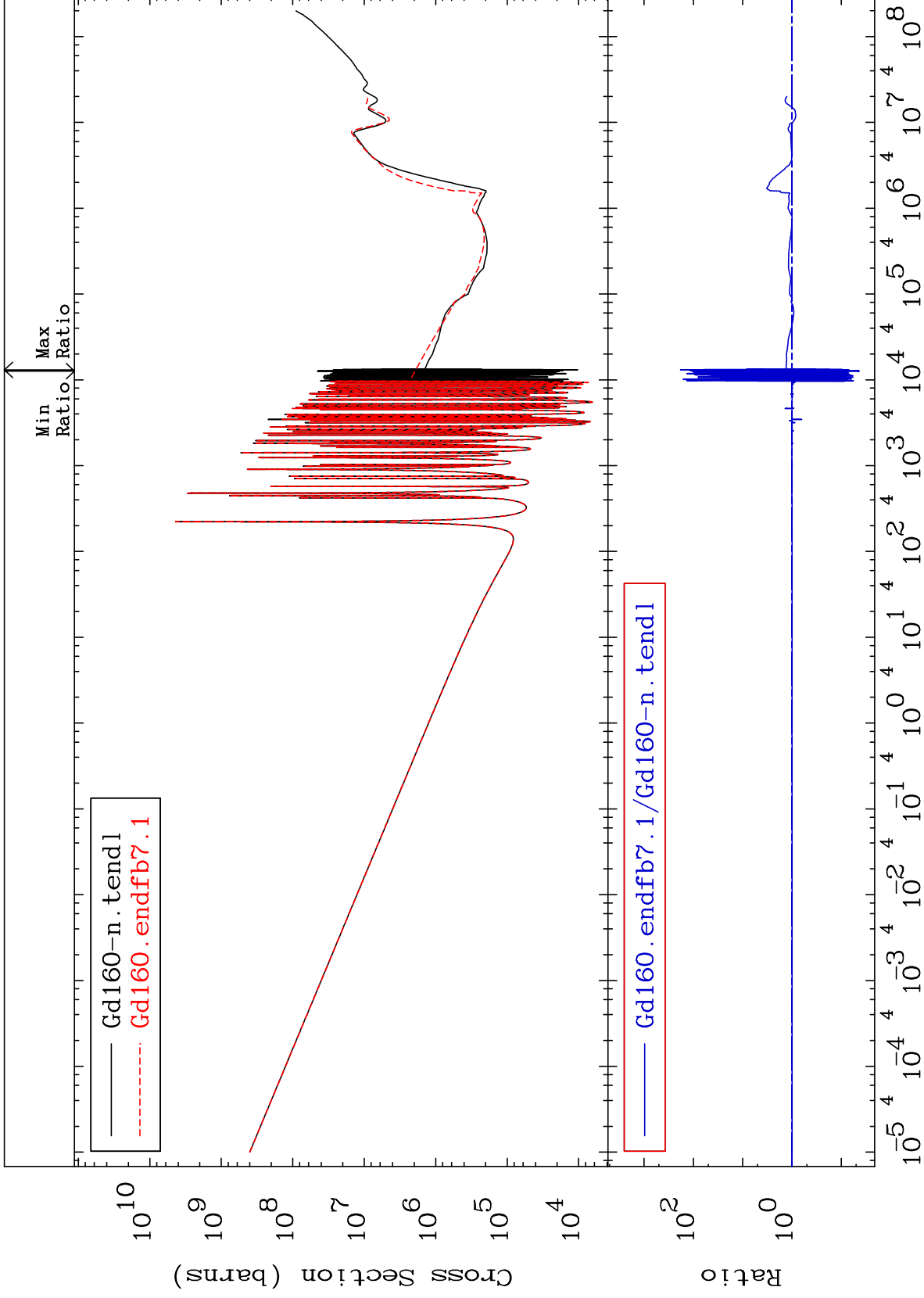
64-Gd-160  
-57.86 To 9999. %







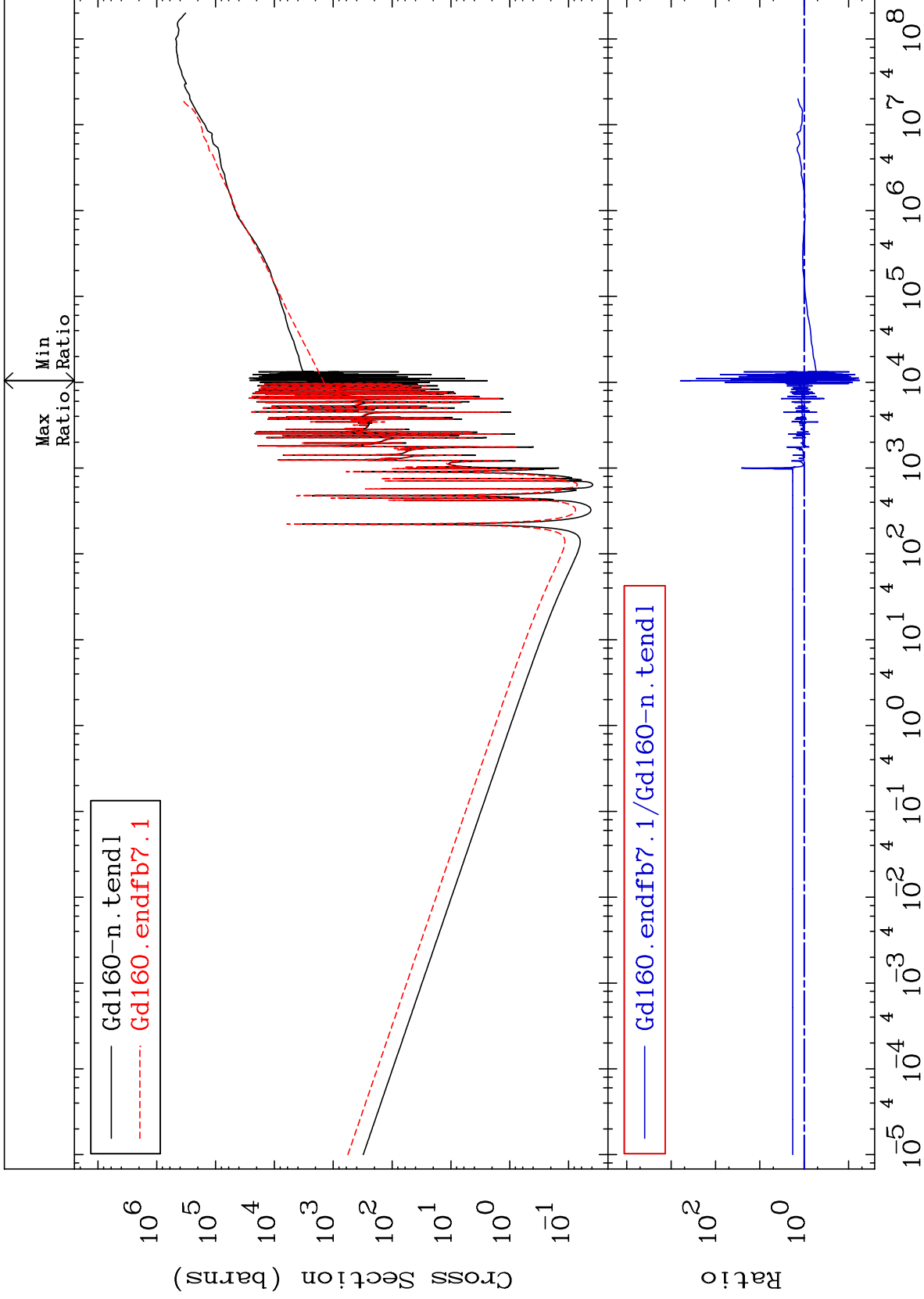




MAT 6449

Dpa total (eV-barns)  
Cross Section

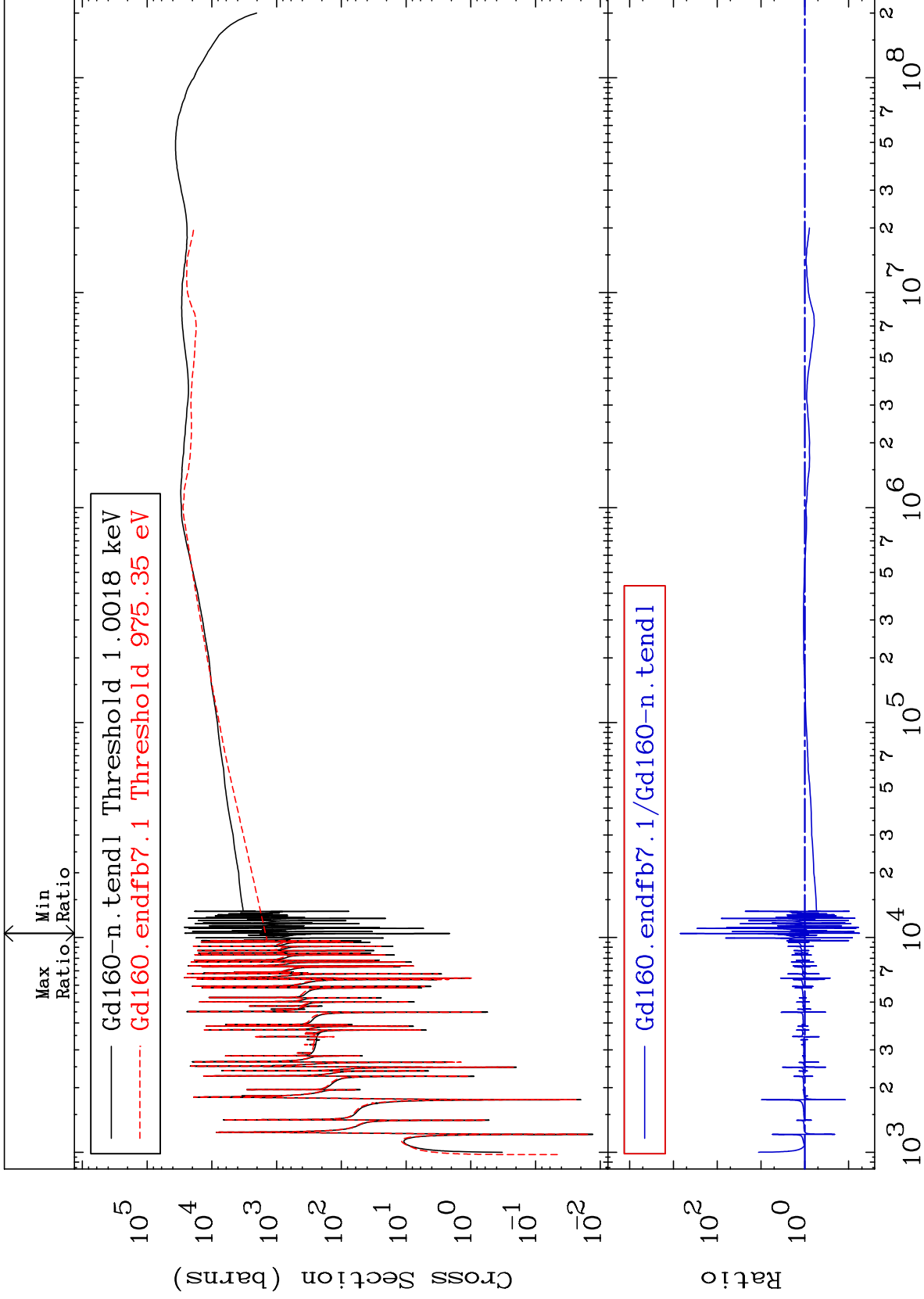
64-Gd-160  
-94.31 To 9999. %



MAT 6449

Dpa elastic (mt2)  
Cross Section

64-Gd-160  
-94.32 To 9999. %



52

Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-160  
4.321 To 9999. %

