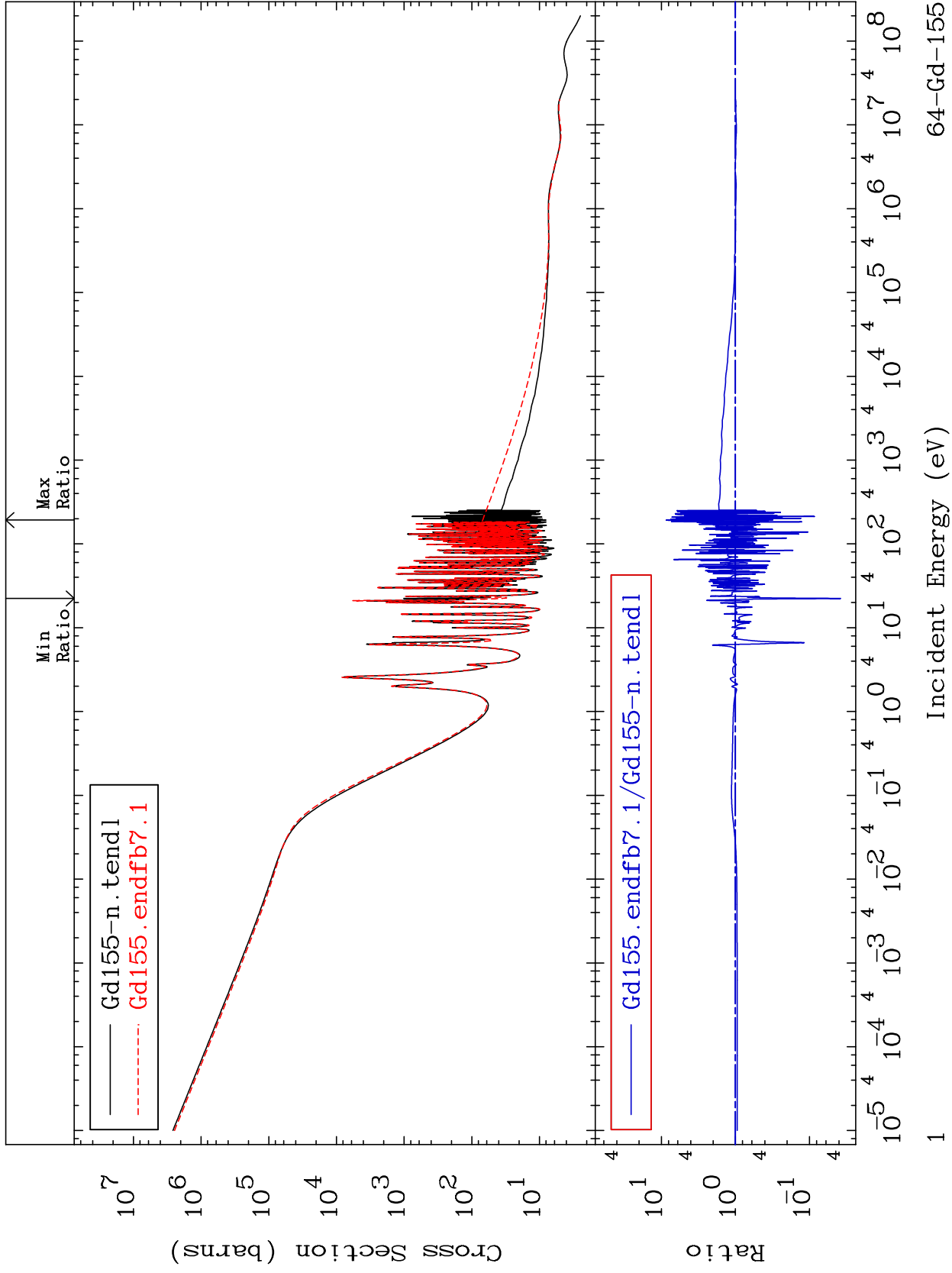


MAT 6434

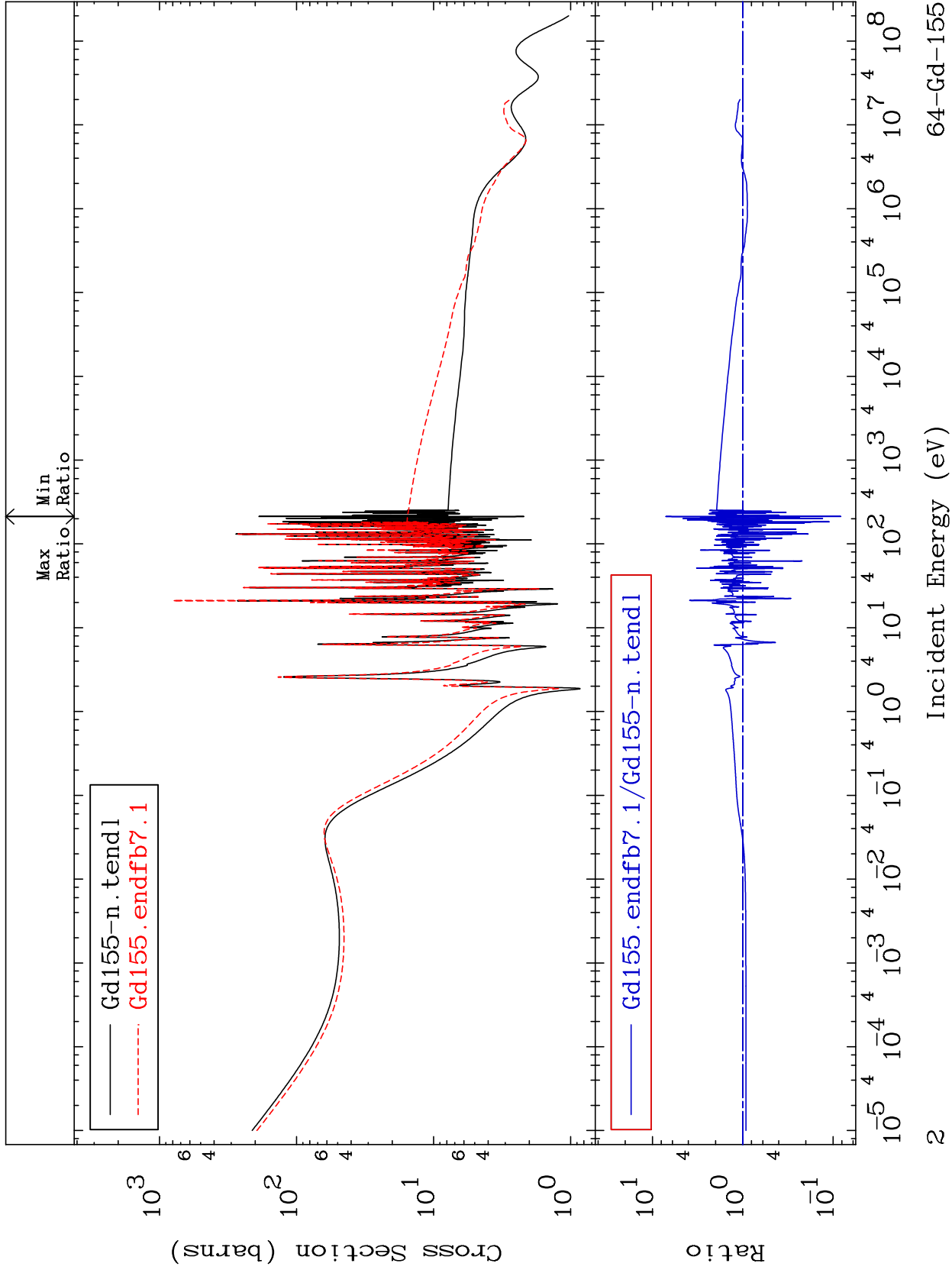
Total Cross Section  
64-Gd-155  
-96.23 To 766.6 %



MAT 6434

Elastic  
Cross Section

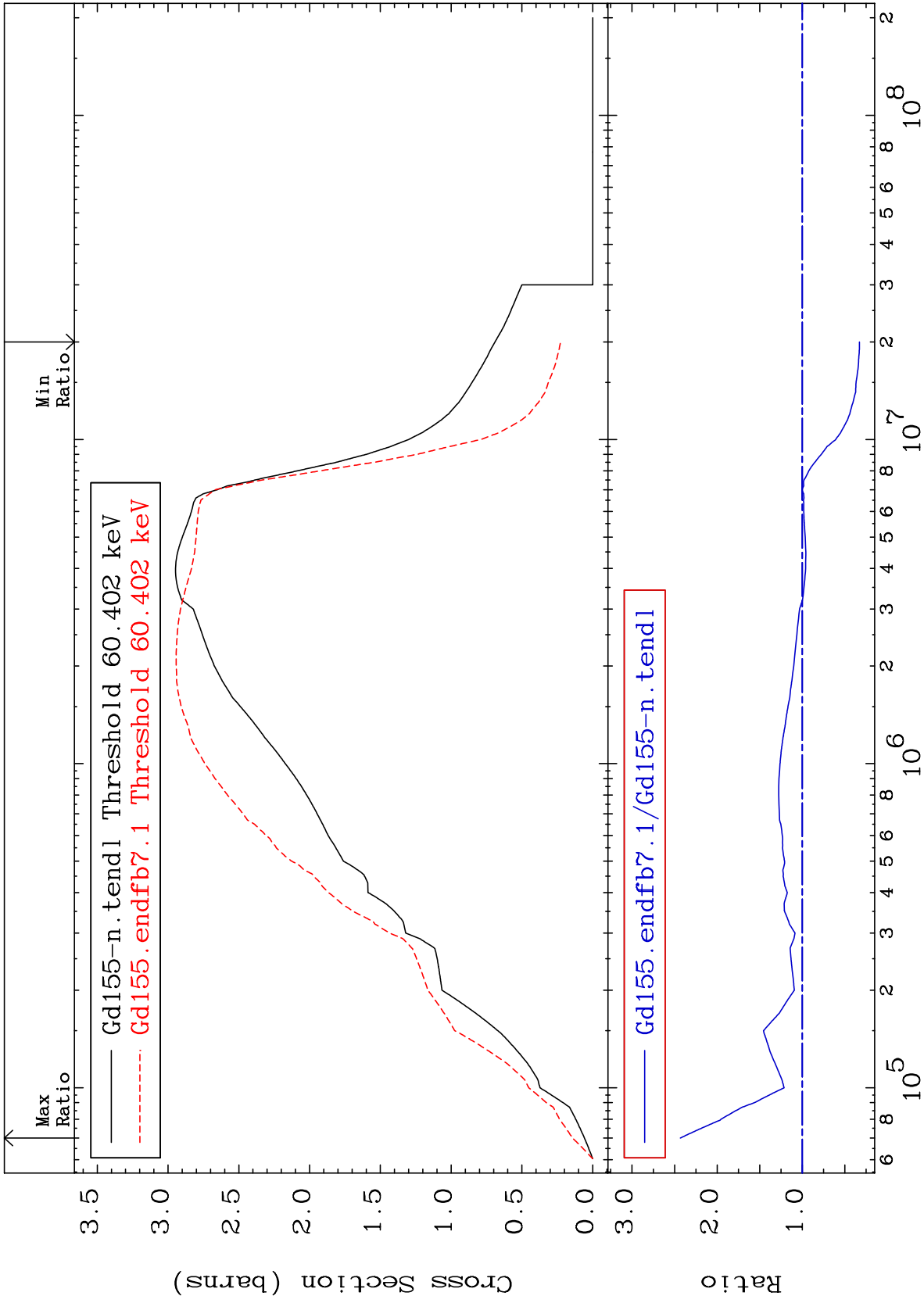
64-Gd-155  
-91.81 To 608.2 %



MAT 6434

Inelastic  
Cross Section

64-Gd-155  
-67.13 To 143.2 %



3

Incident Energy (eV)

64-Gd-155

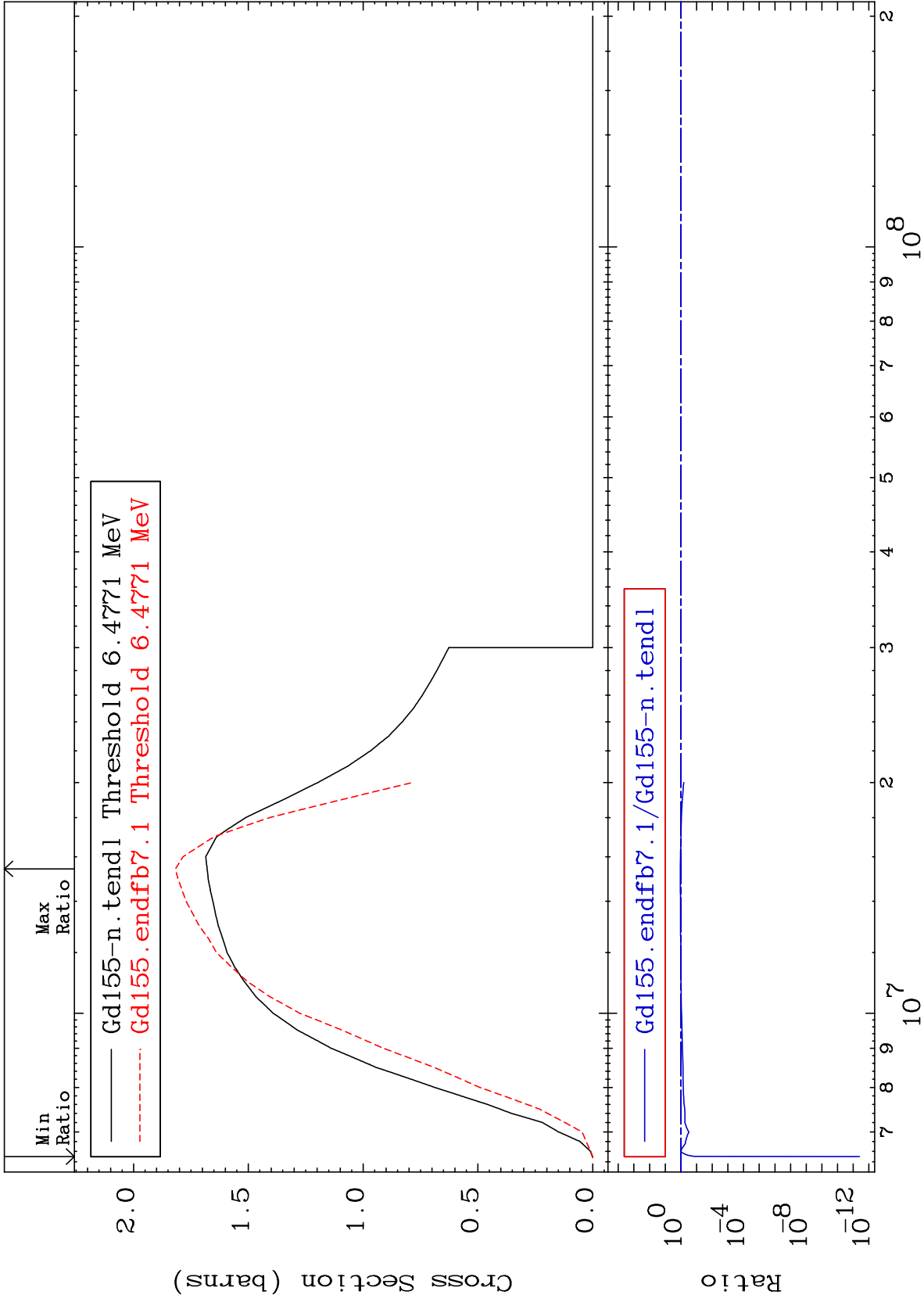
MAT 6434

(n,2n)

64-Gd-155

Cross Section

-100.0 To 8.201 %



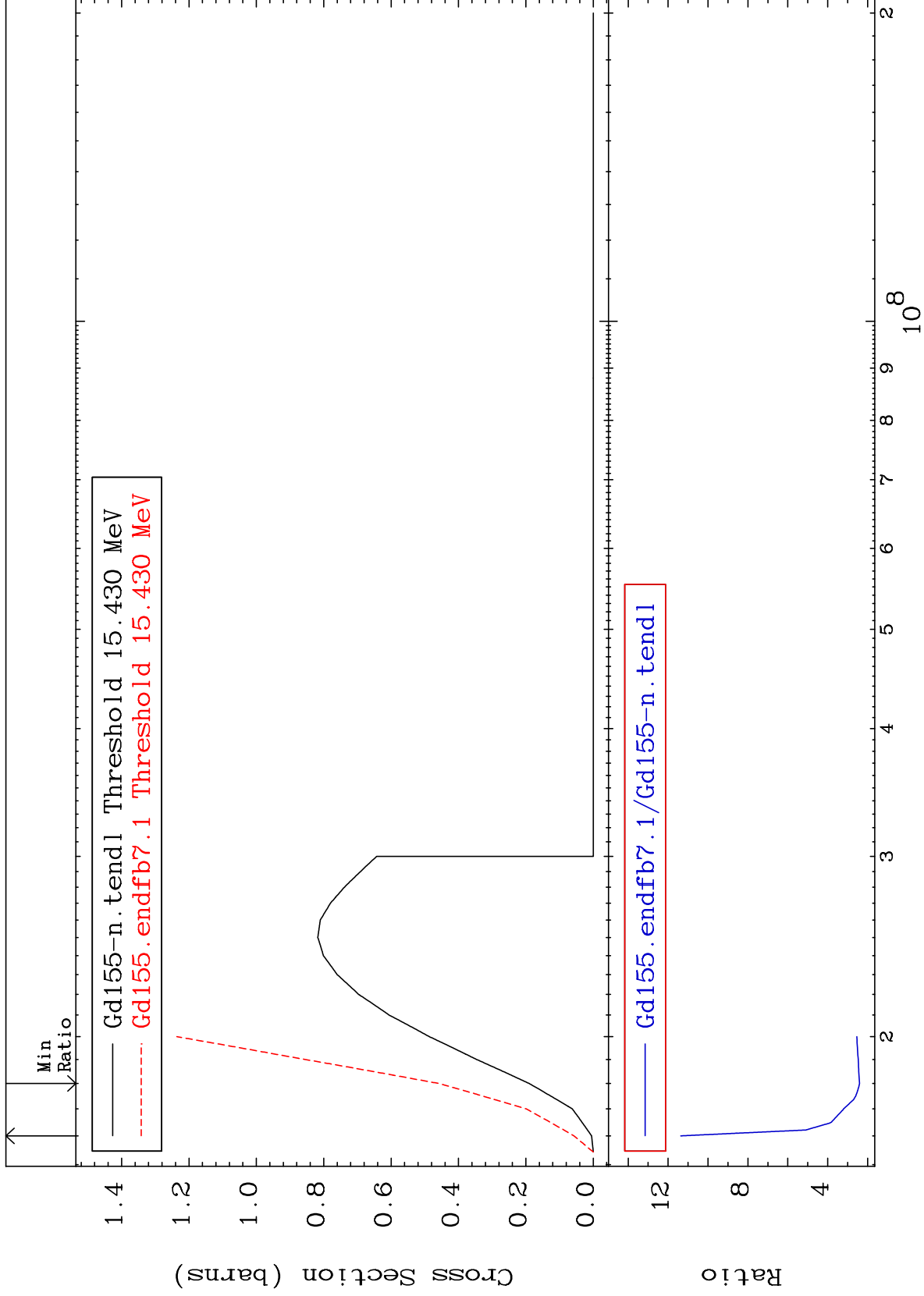
MAT 6434

(n,3n)

64-Gd-155

Cross Section

140.5 To 1036. %



5

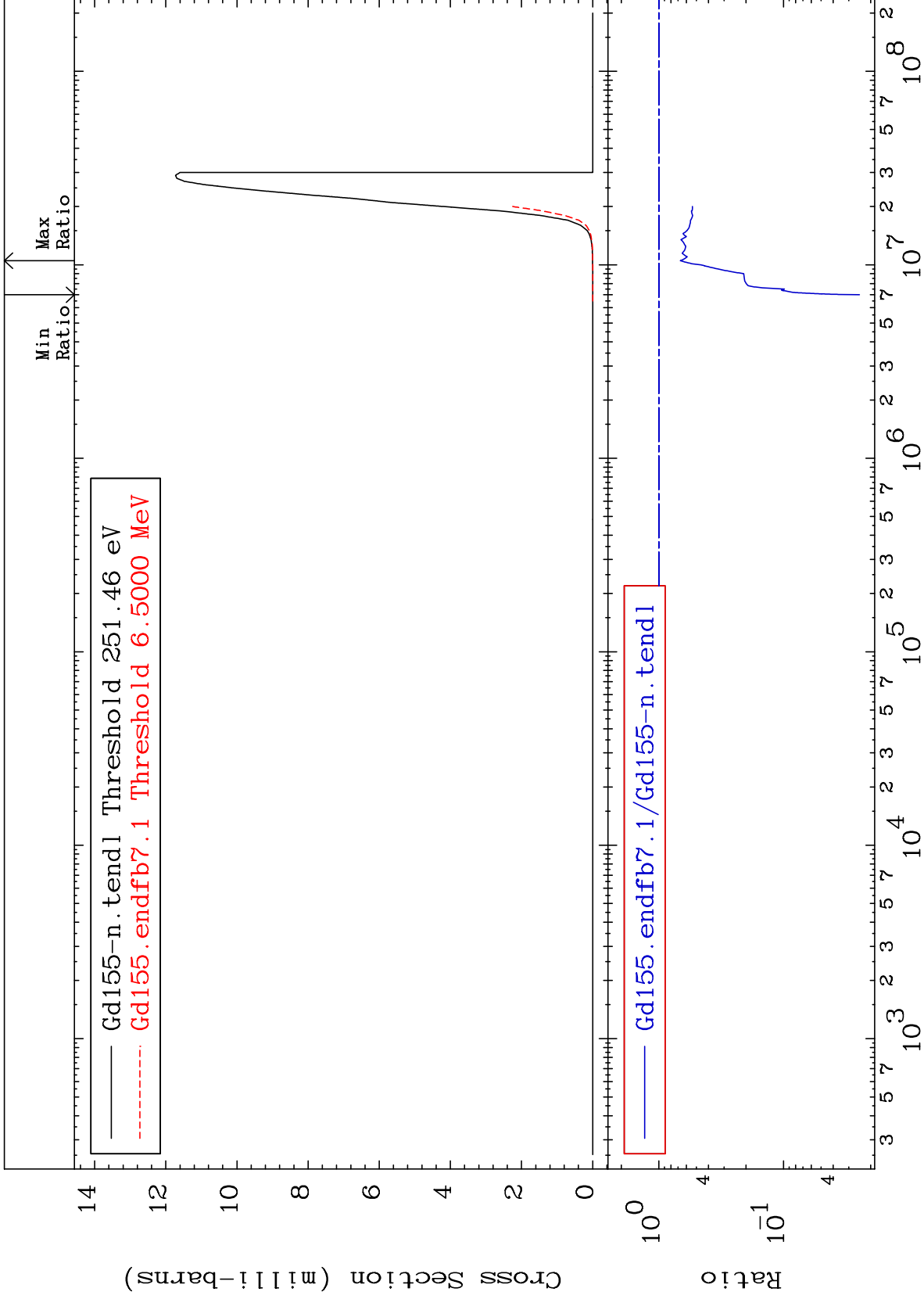
Incident Energy (eV)

64-Gd-155

MAT 6434

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

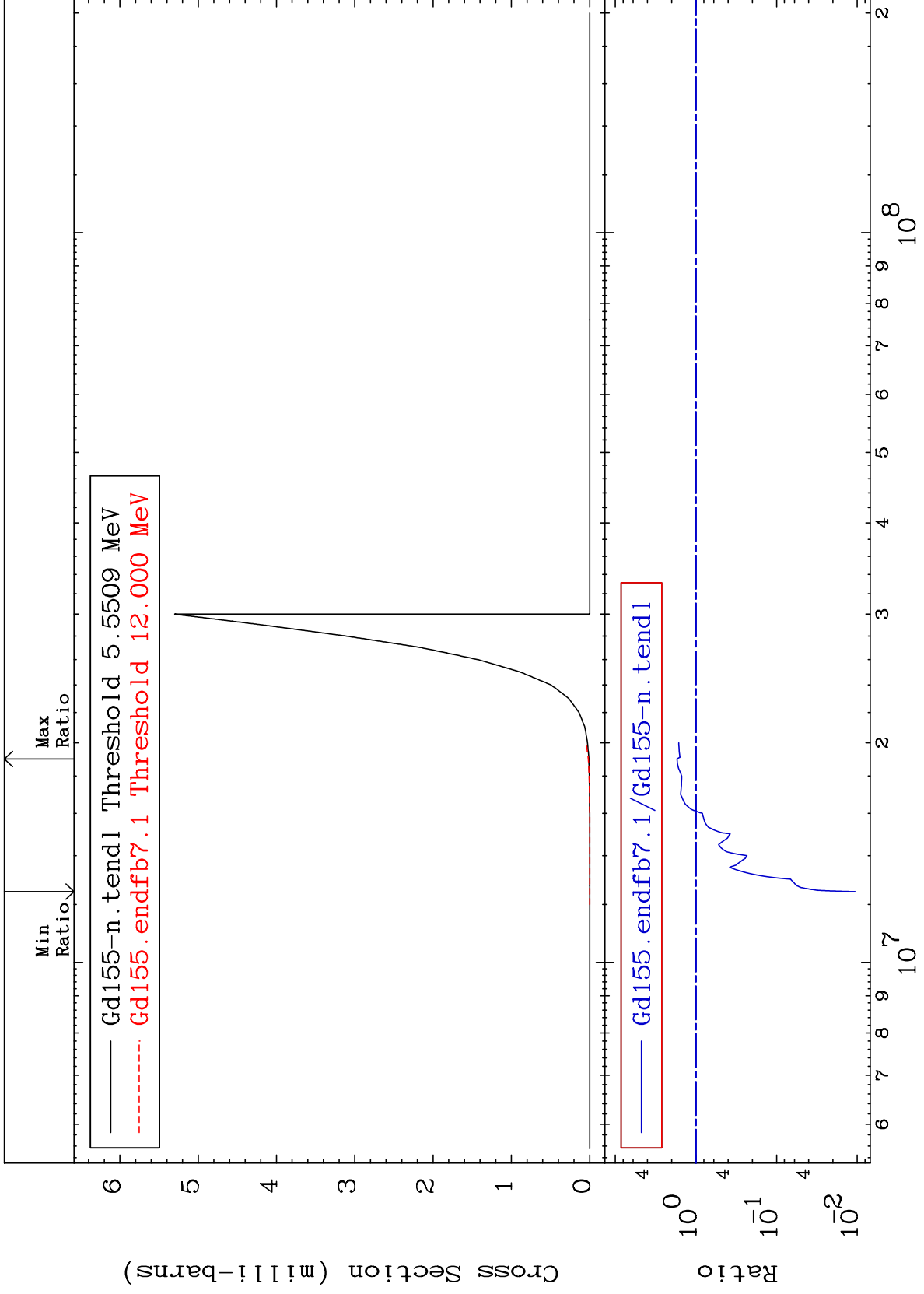
64-Gd-155  
-97.54 To -32.85%



MAT 6434

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

64-Gd-155  
-98.94 To 72.04 %



7

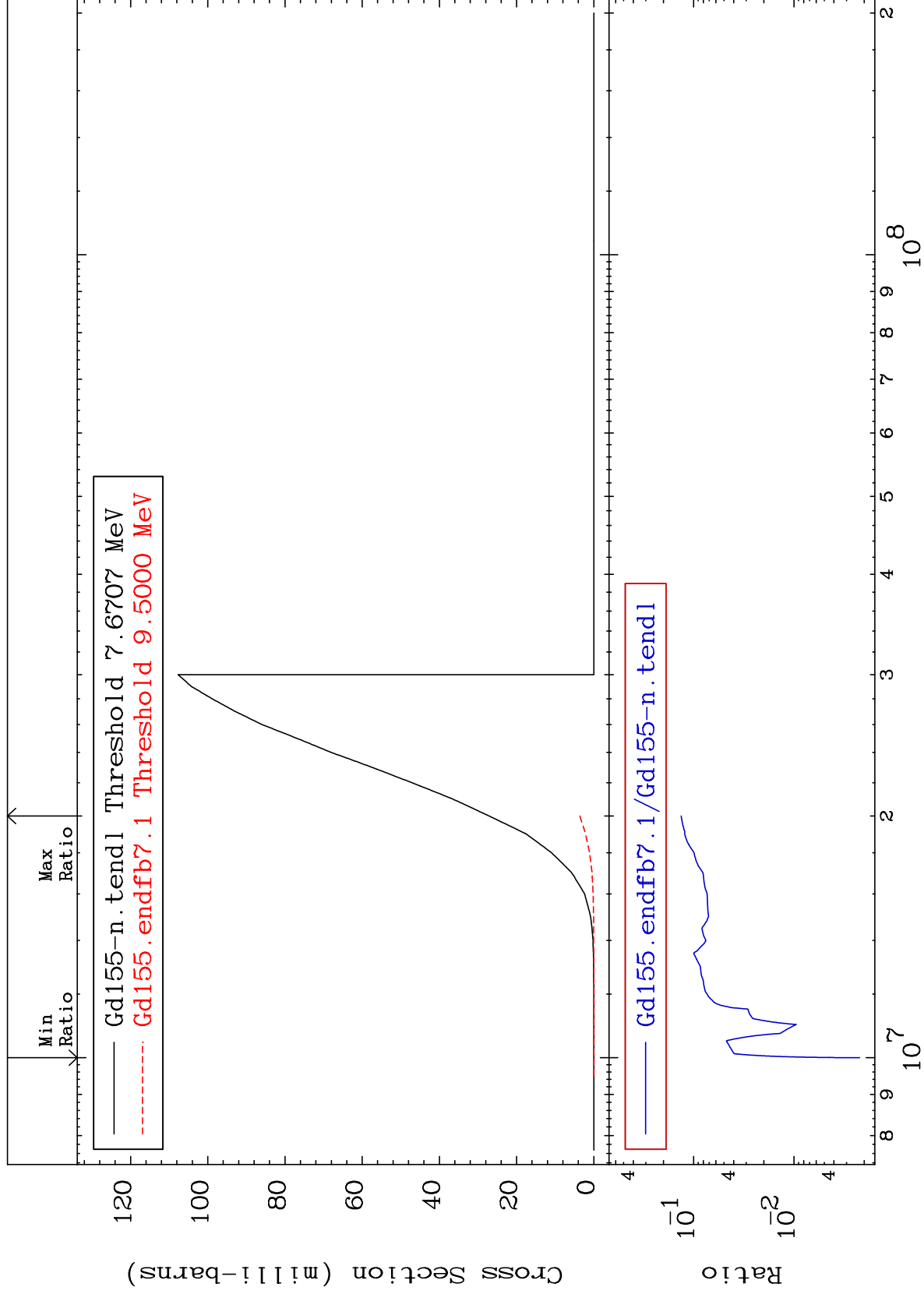
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,n') p  
Cross Section

64-Gd-155  
-99.78 To -86.68%



8

Incident Energy (eV)

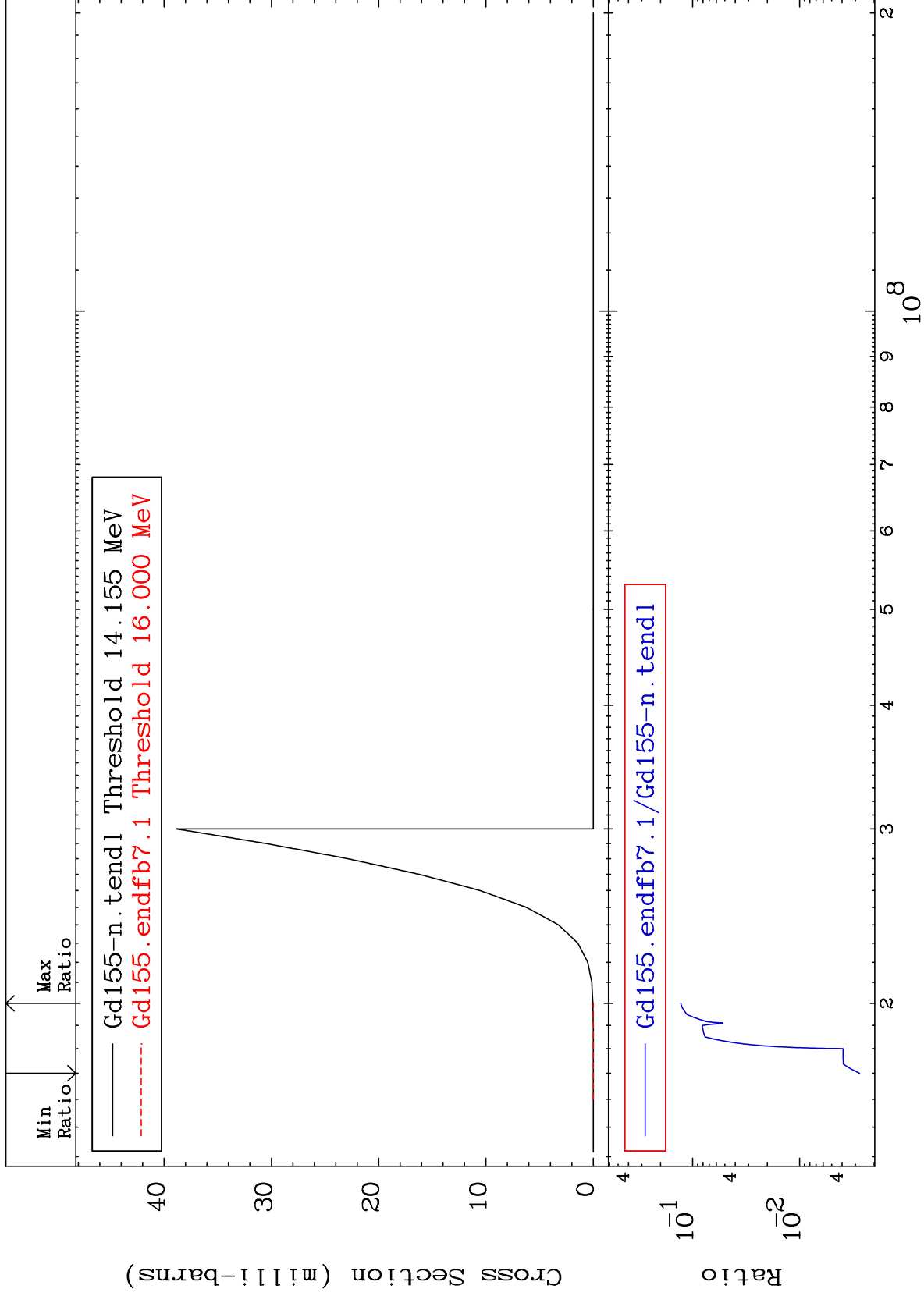
64-Gd-155



MAT 6434

(n,2n) p  
Cross Section

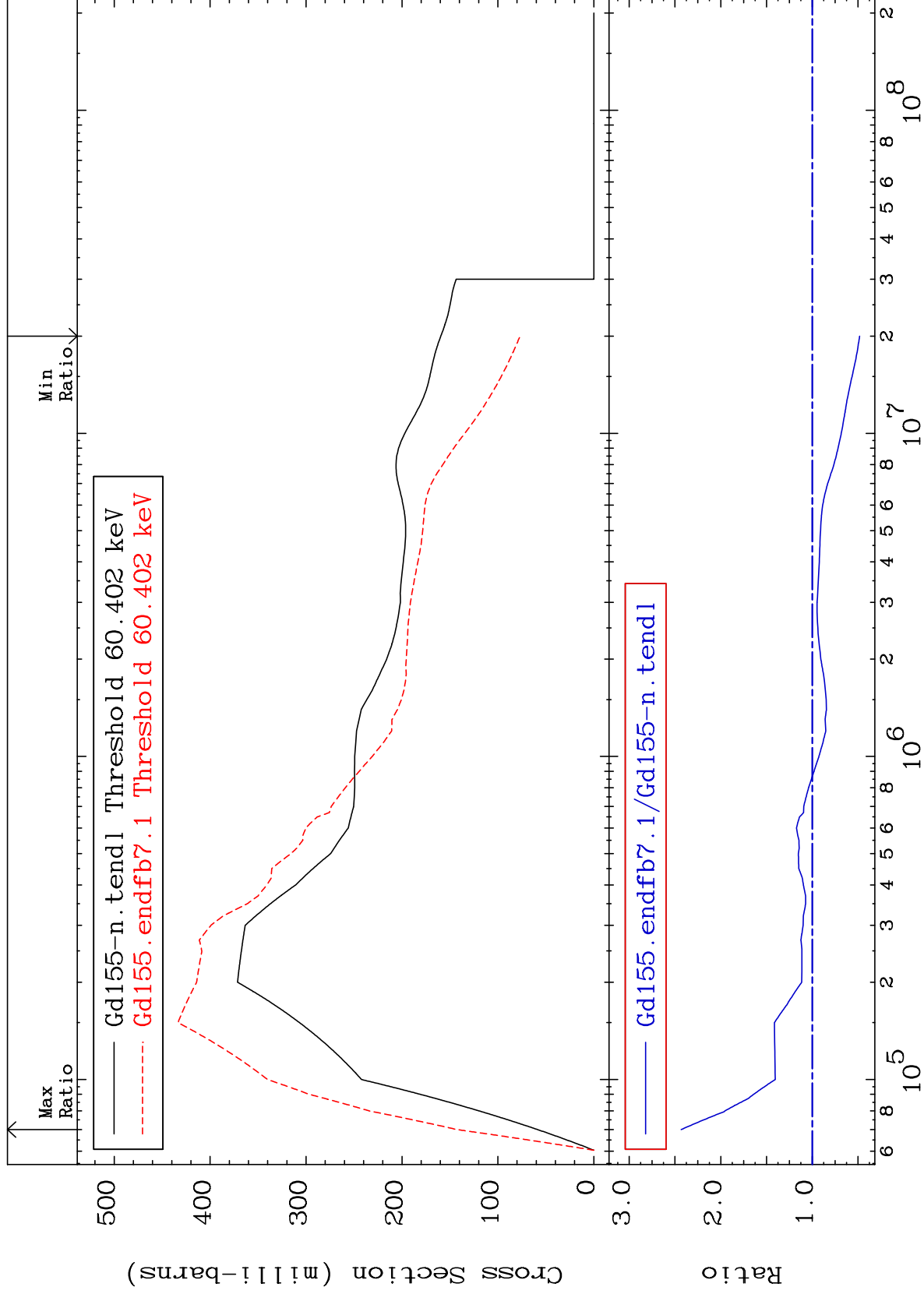
64-Gd-155  
-99.73 To -87.07%



MAT 6434

60.01 keV (n,n') Level  
Cross Section

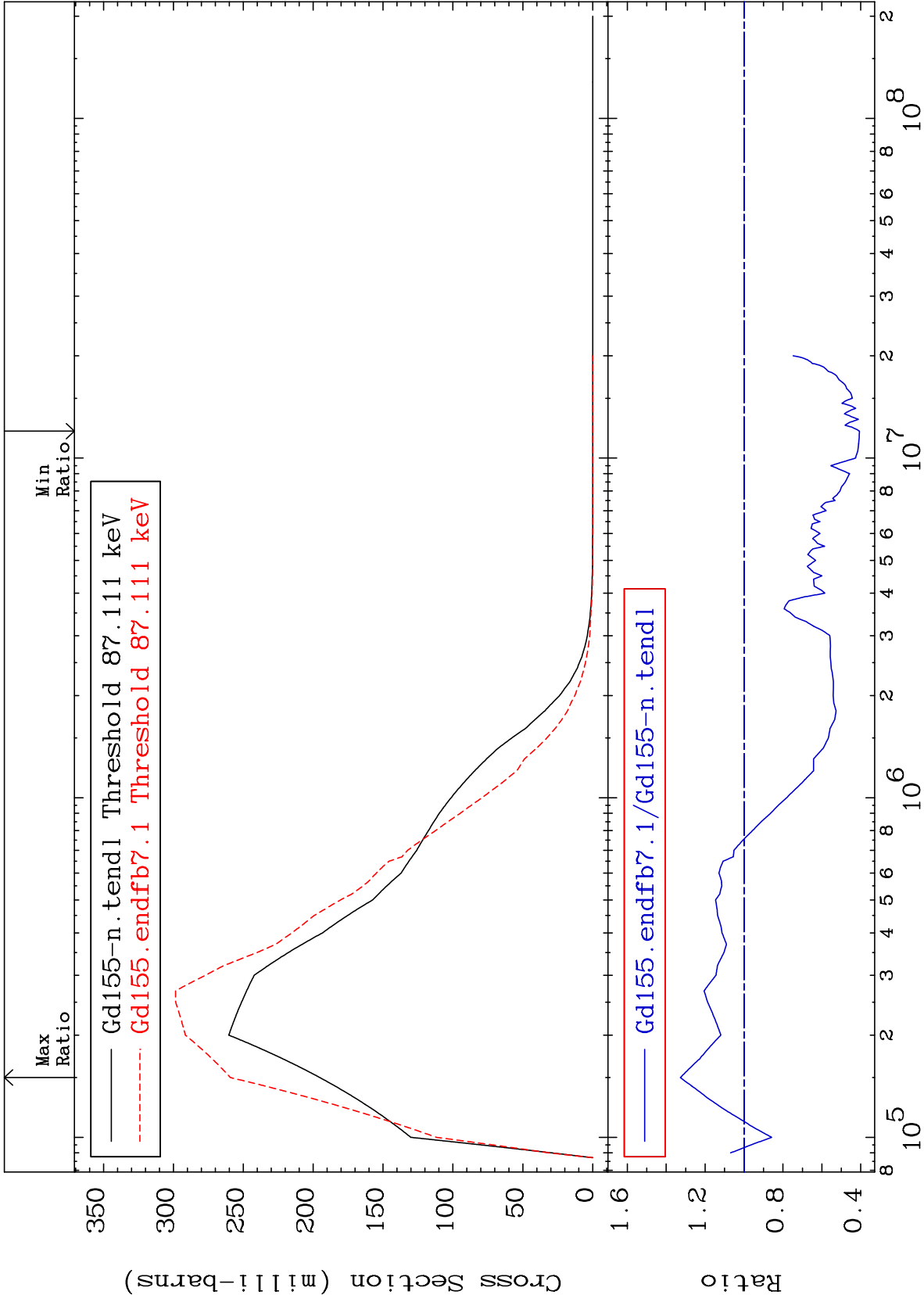
64-Gd-155  
-51.85 To 143.2 %



MAT 6434

86.55 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.31 To 32.73 %



11

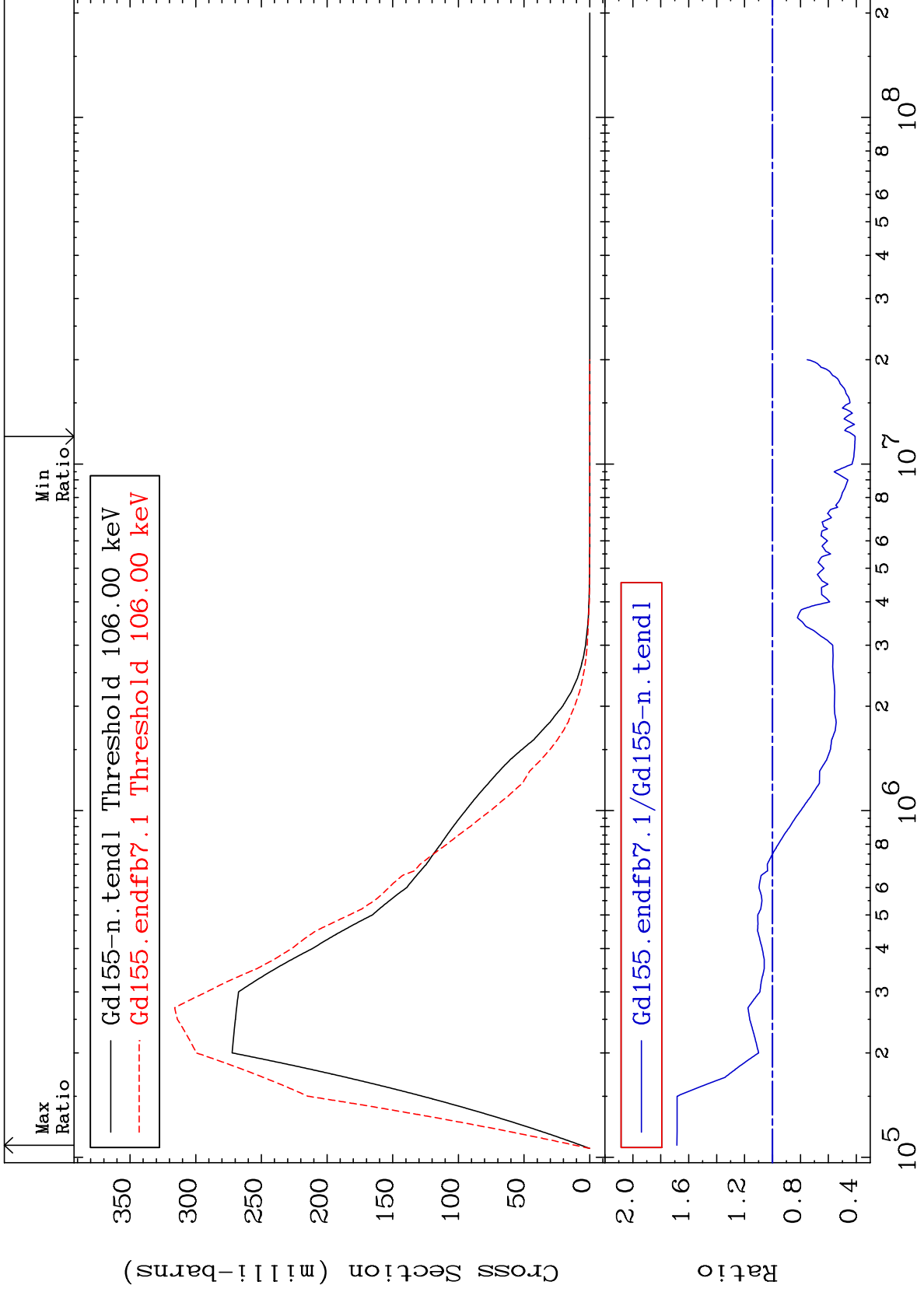
Incident Energy (eV)

64-Gd-155

MAT 6434

105.3 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.09 To 68.42 %



12

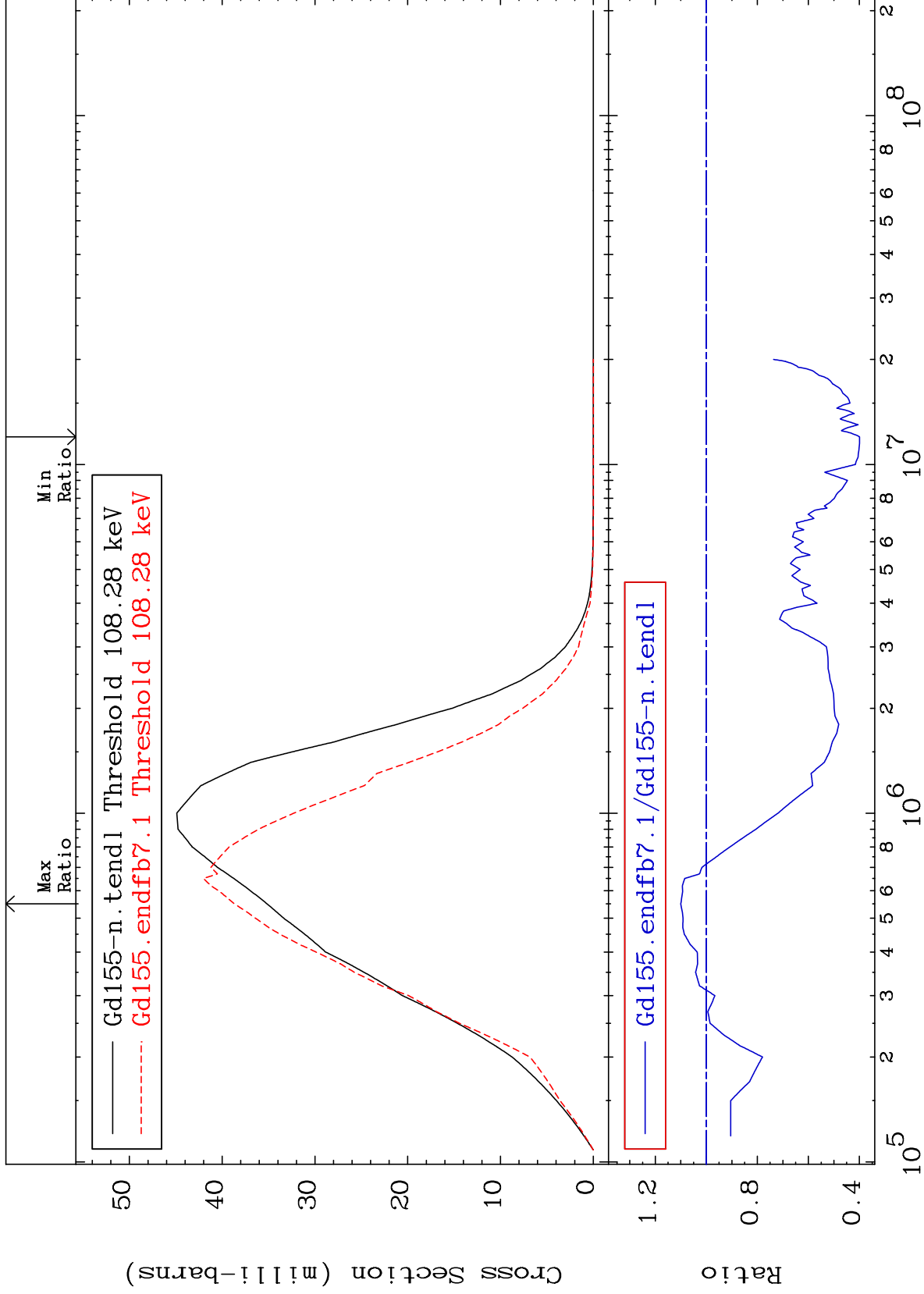
Incident Energy (eV)

64-Gd-155

MAT 6434

107.6 keV (n,n') Level  
Cross Section

64-Gd-155  
-60.05 To 10.01 %



13

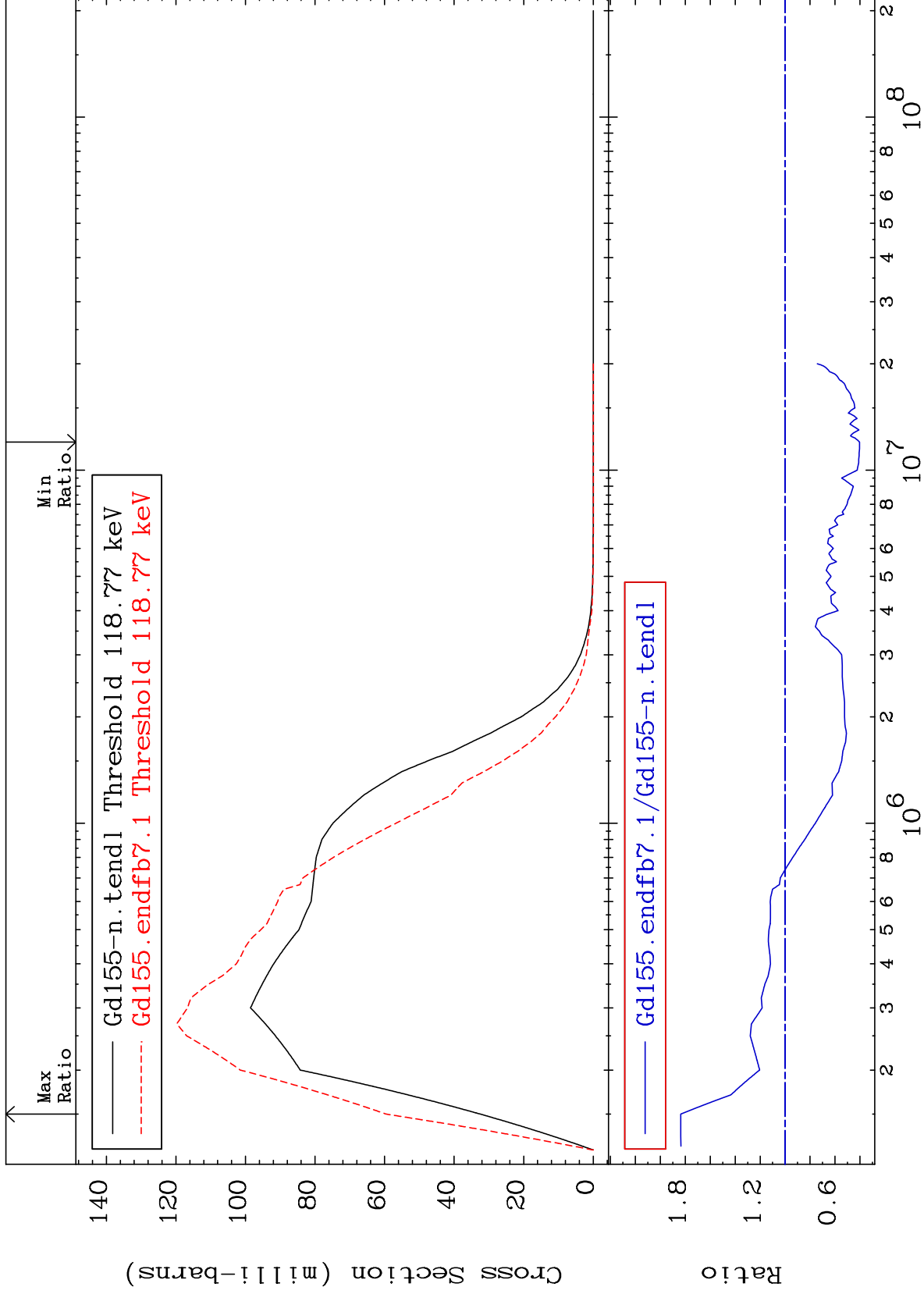
Incident Energy (eV)

64-Gd-155

MAT 6434

118.0 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.65 To 83.61 %



14

Incident Energy (eV)

64-Gd-155

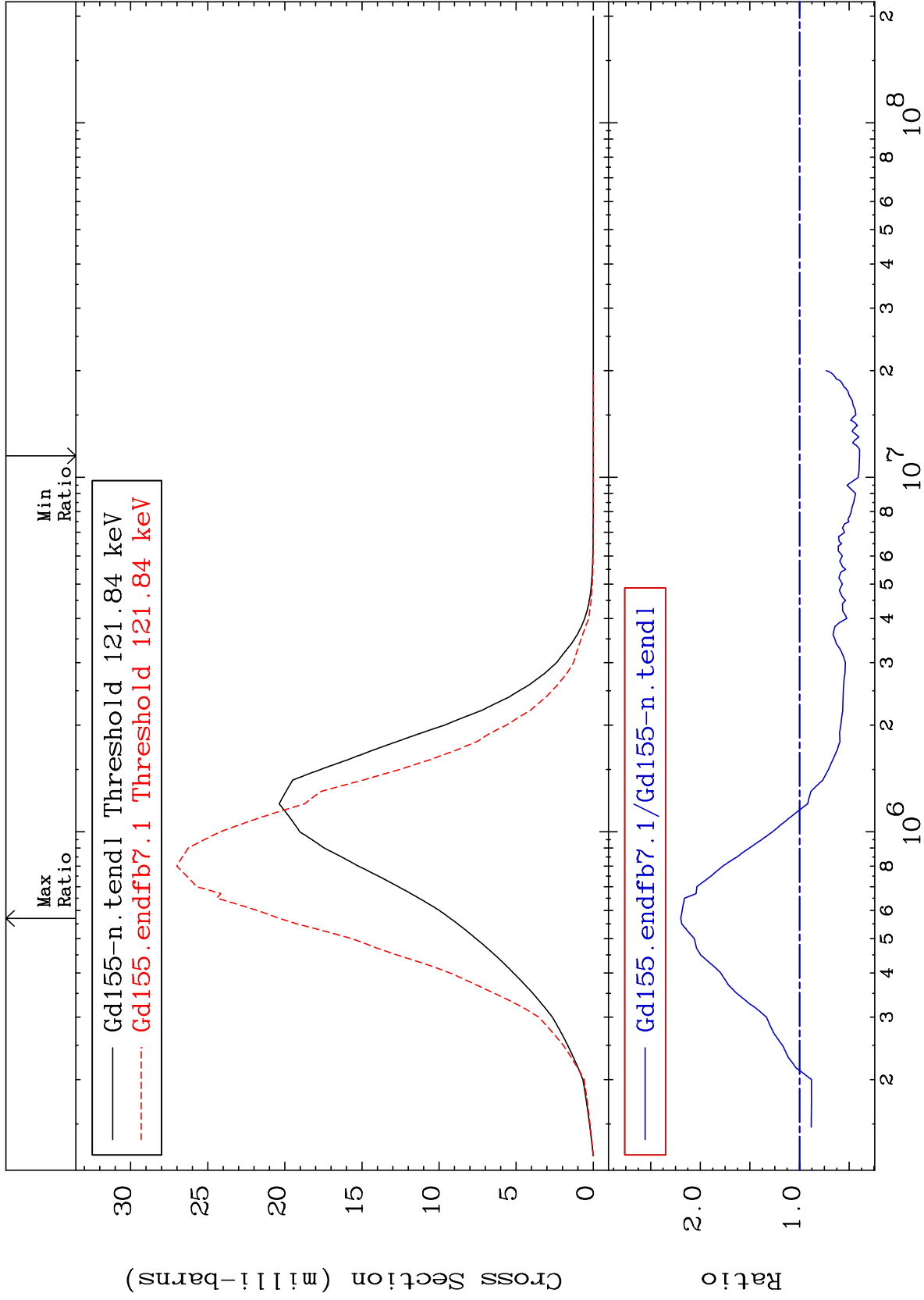
MAT 6434

121.1 keV (n,n') Level

64-Gd-155

-60.46 To 119.7 %

Cross Section



15

64-Gd-155

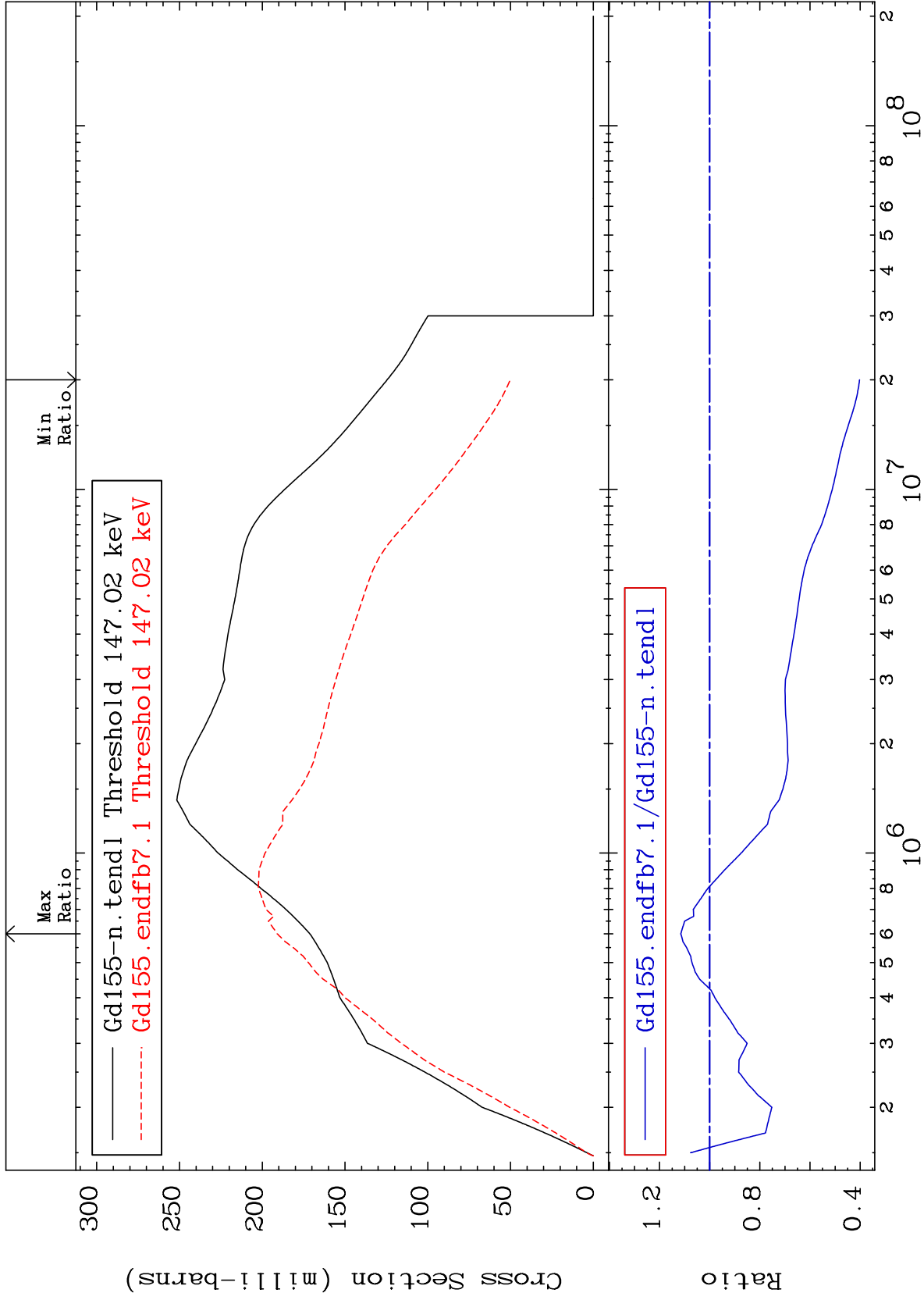
MAT 6434

146.1 keV (n,n') Level

64-Gd-155

Cross Section

-59.76 To 11.55 %



16

Incident Energy (eV)

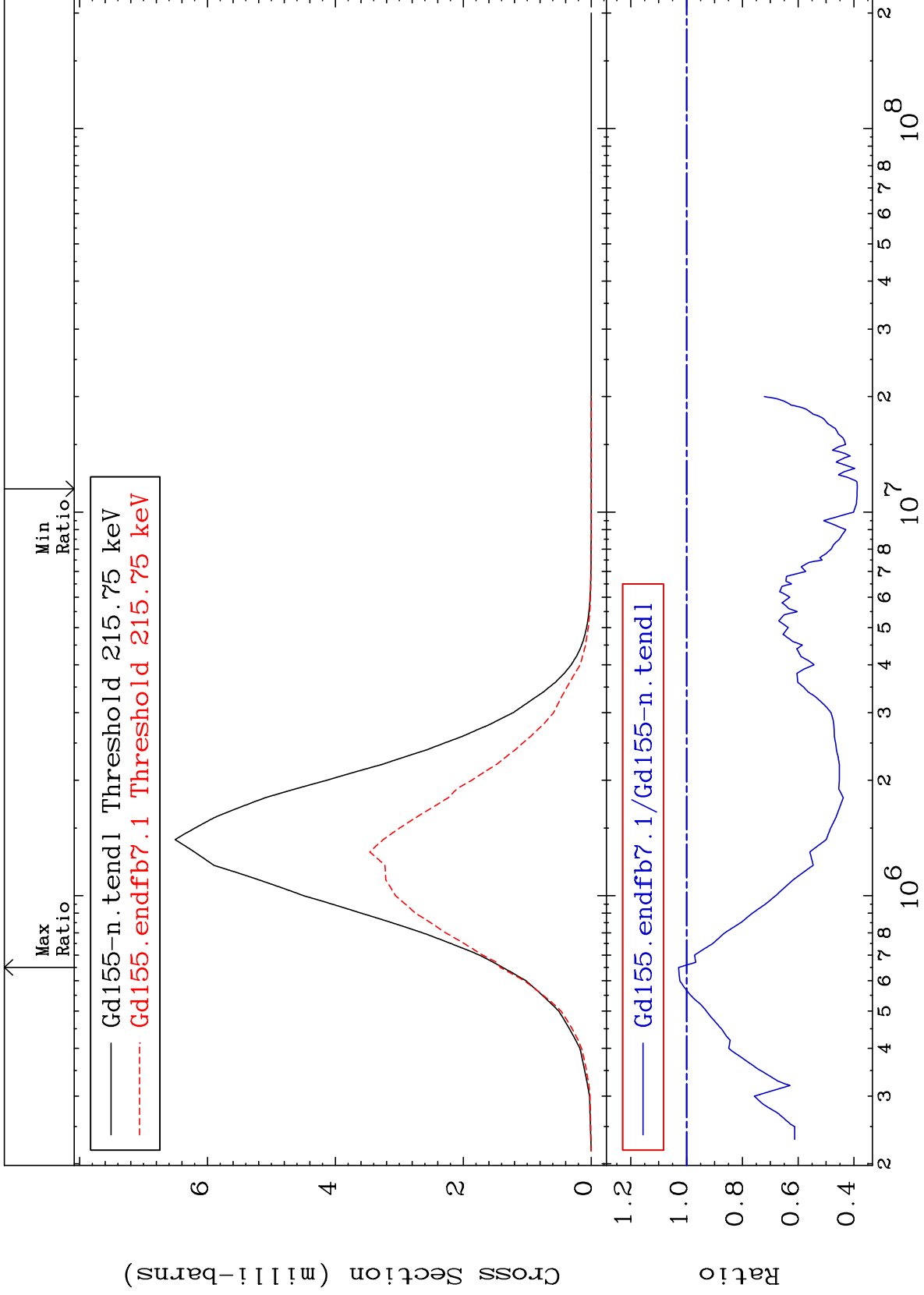
64-Gd-155



MAT 6434

214.4 keV (n,n') Level  
Cross Section

64-Gd-155  
-61.18 To 2.856 %



17

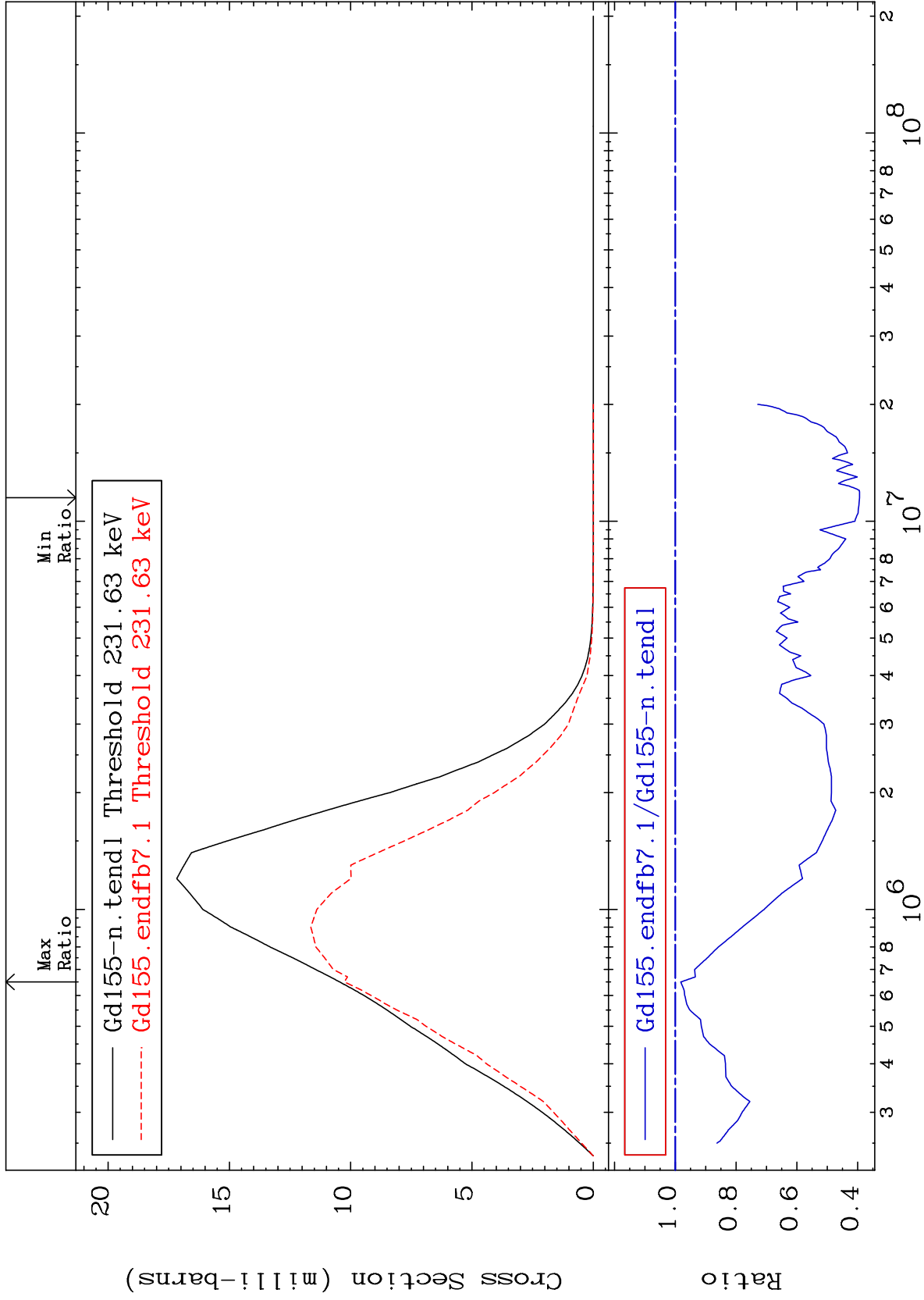
Incident Energy (eV)

64-Gd-155

MAT 6434

230.1 keV (n,n') Level  
Cross Section

64-Gd-155  
-60.62 To -1.817%



18

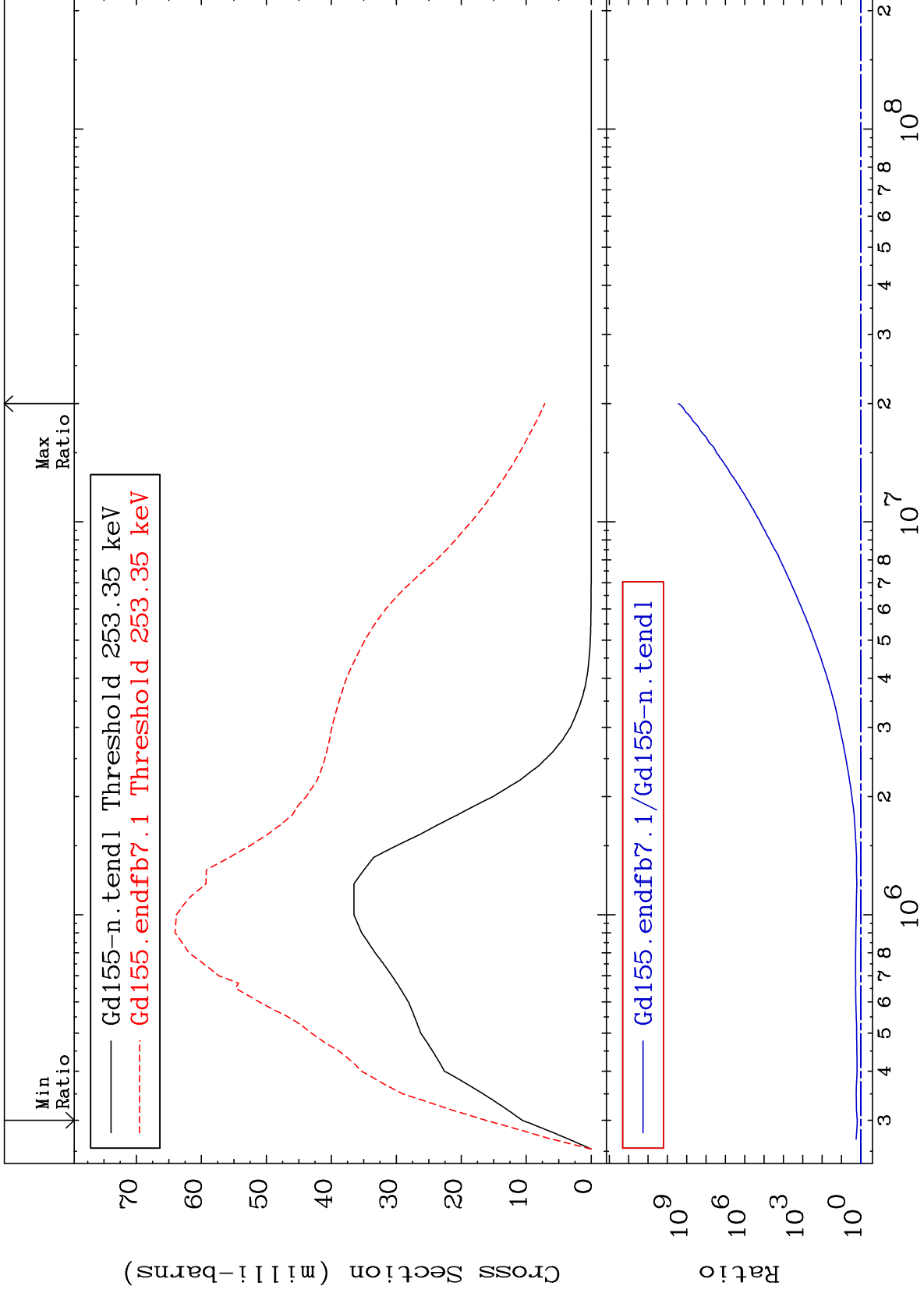
Incident Energy (eV)

64-Gd-155

MAT 6434

251.7 keV (n,n') Level  
Cross Section

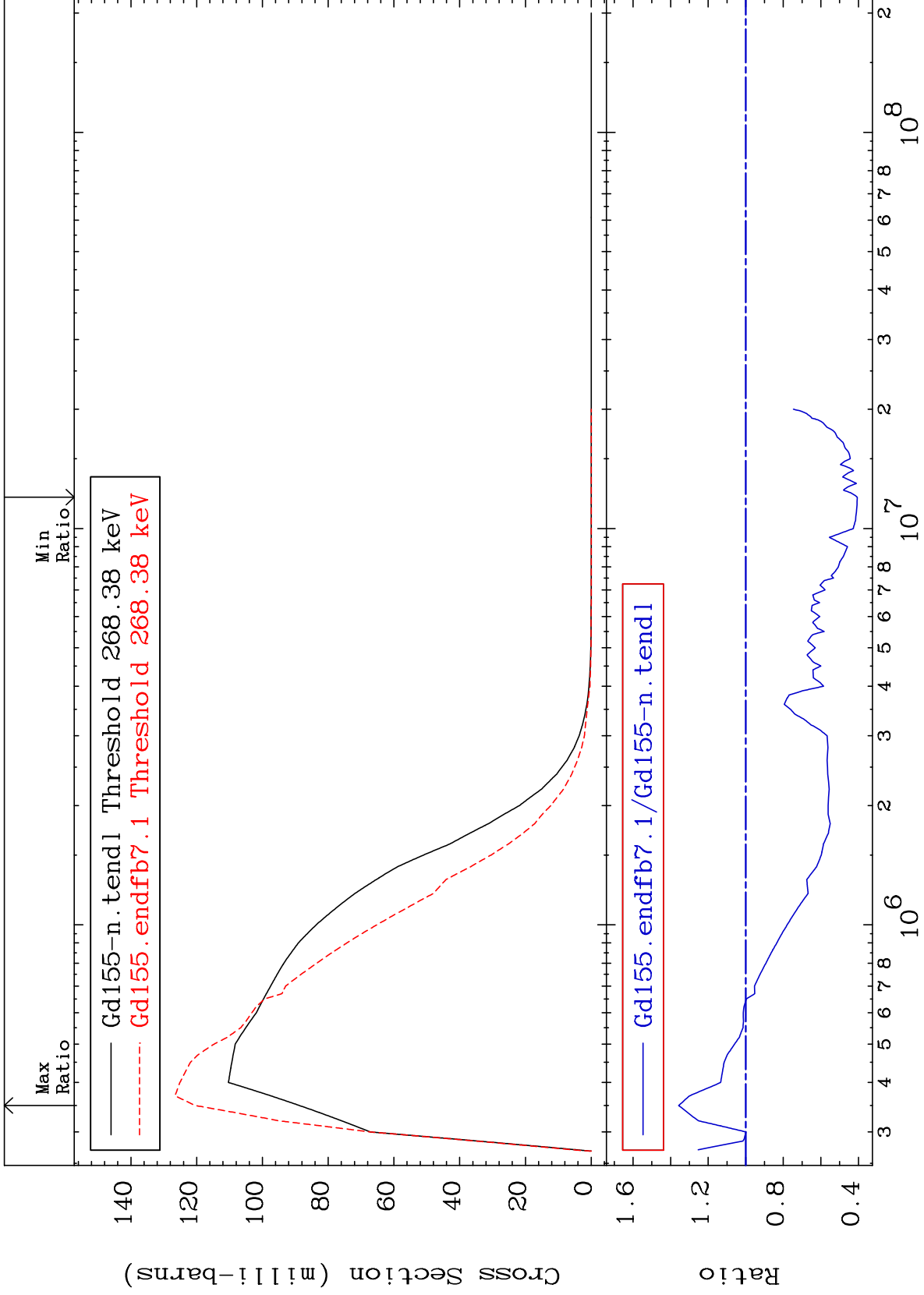
64-Gd-155  
52.93 To 9999. %



MAT 6434

266.6 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.38 To 35.73 %



20

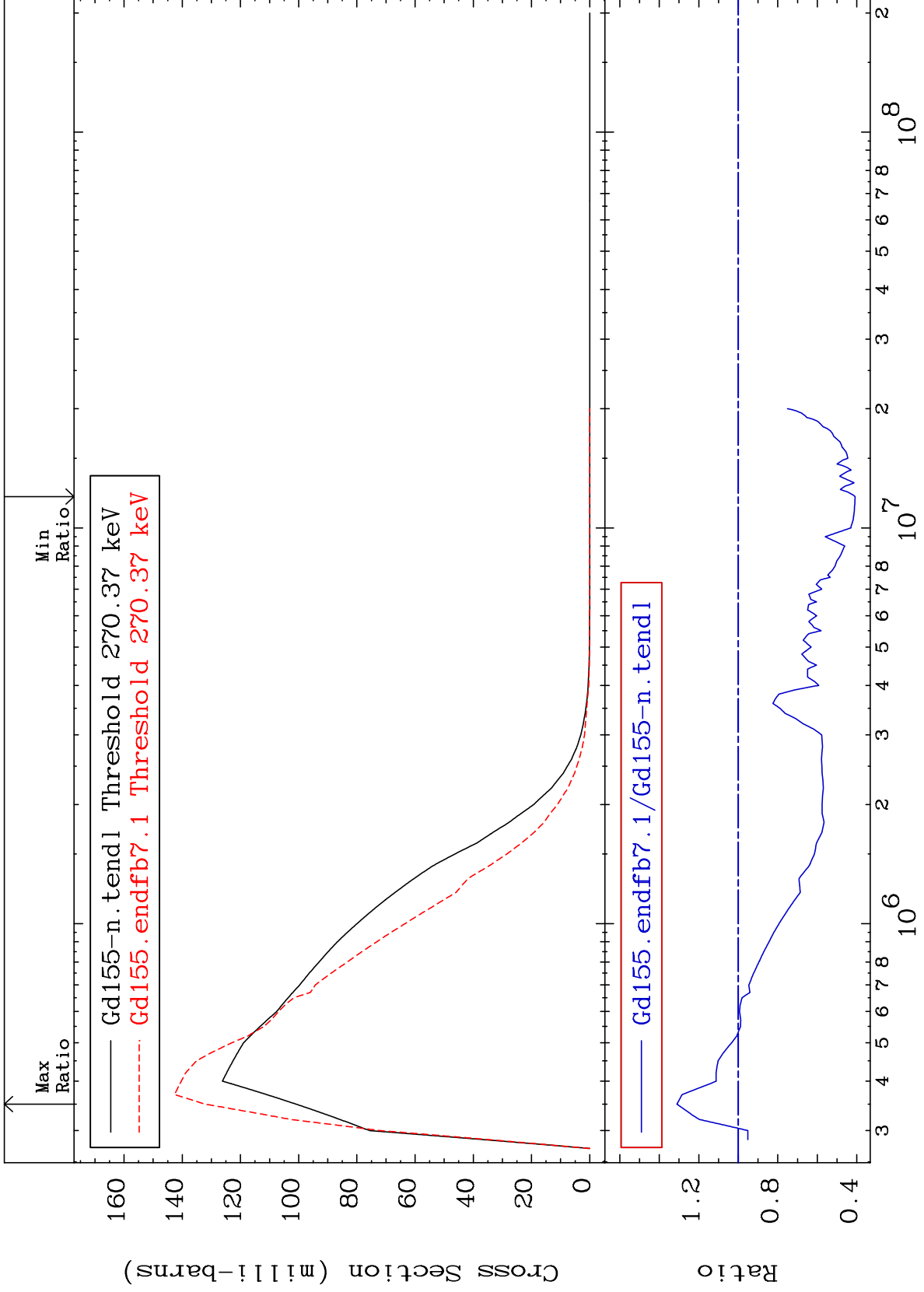
Incident Energy (eV)

64-Gd-155

MAT 6434

268.6 keV (n,n') Level  
Cross Section

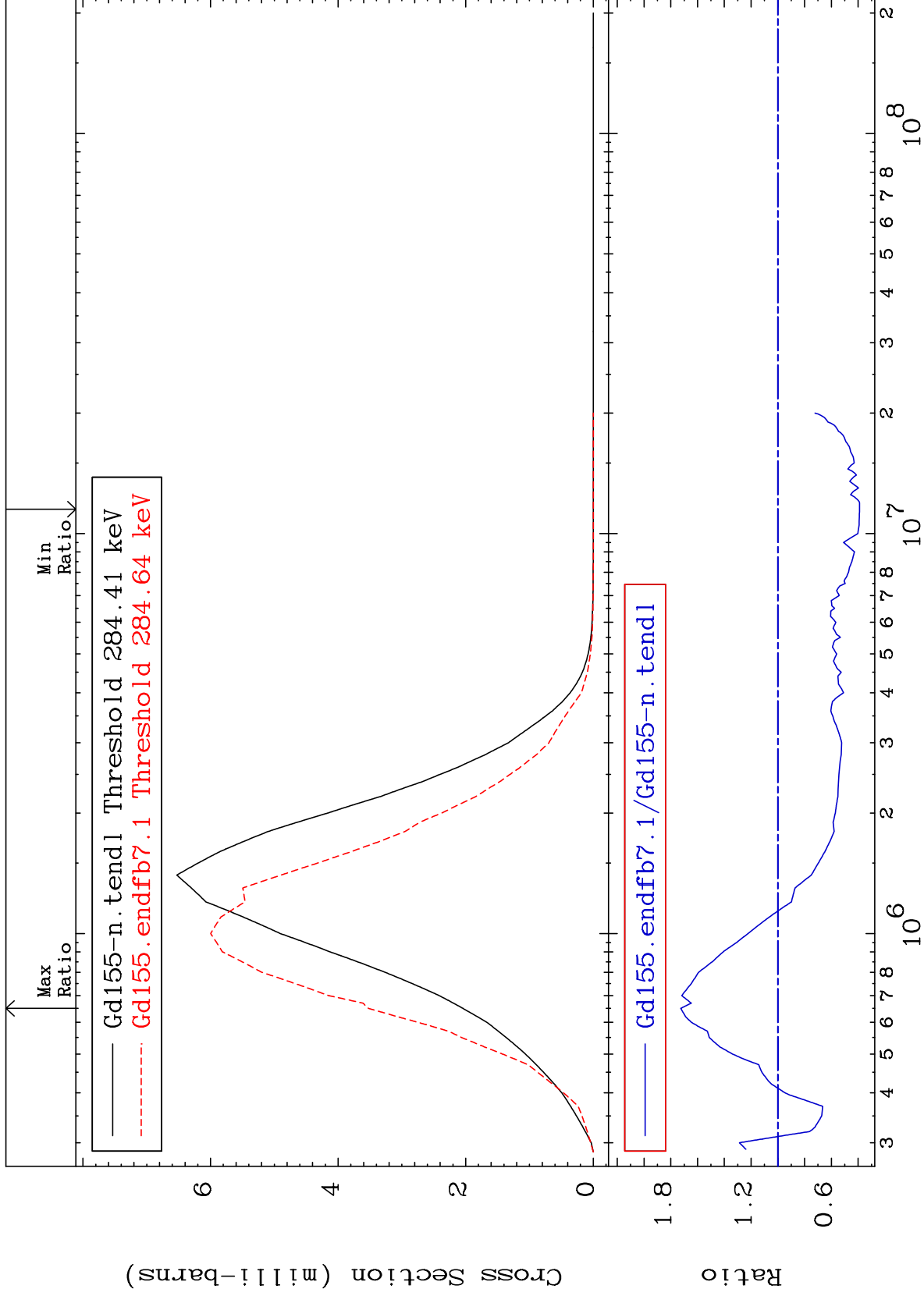
64-Gd-155  
-59.15 To 31.06 %



MAT 6434

282.6 keV (n,n') Level  
Cross Section

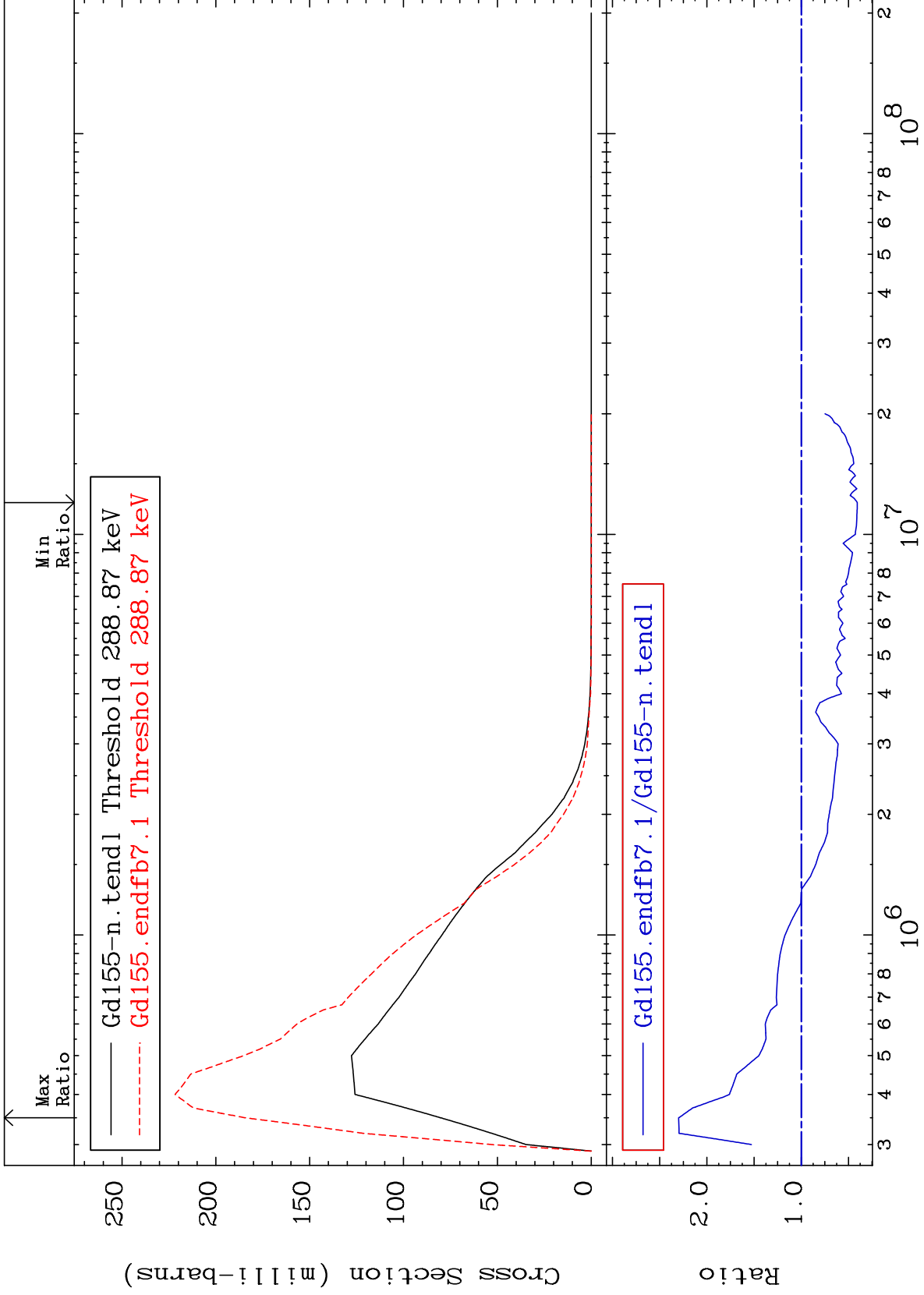
64-Gd-155  
-61.05 To 72.54 %



MAT 6434

287.0 keV (n,n') Level  
Cross Section

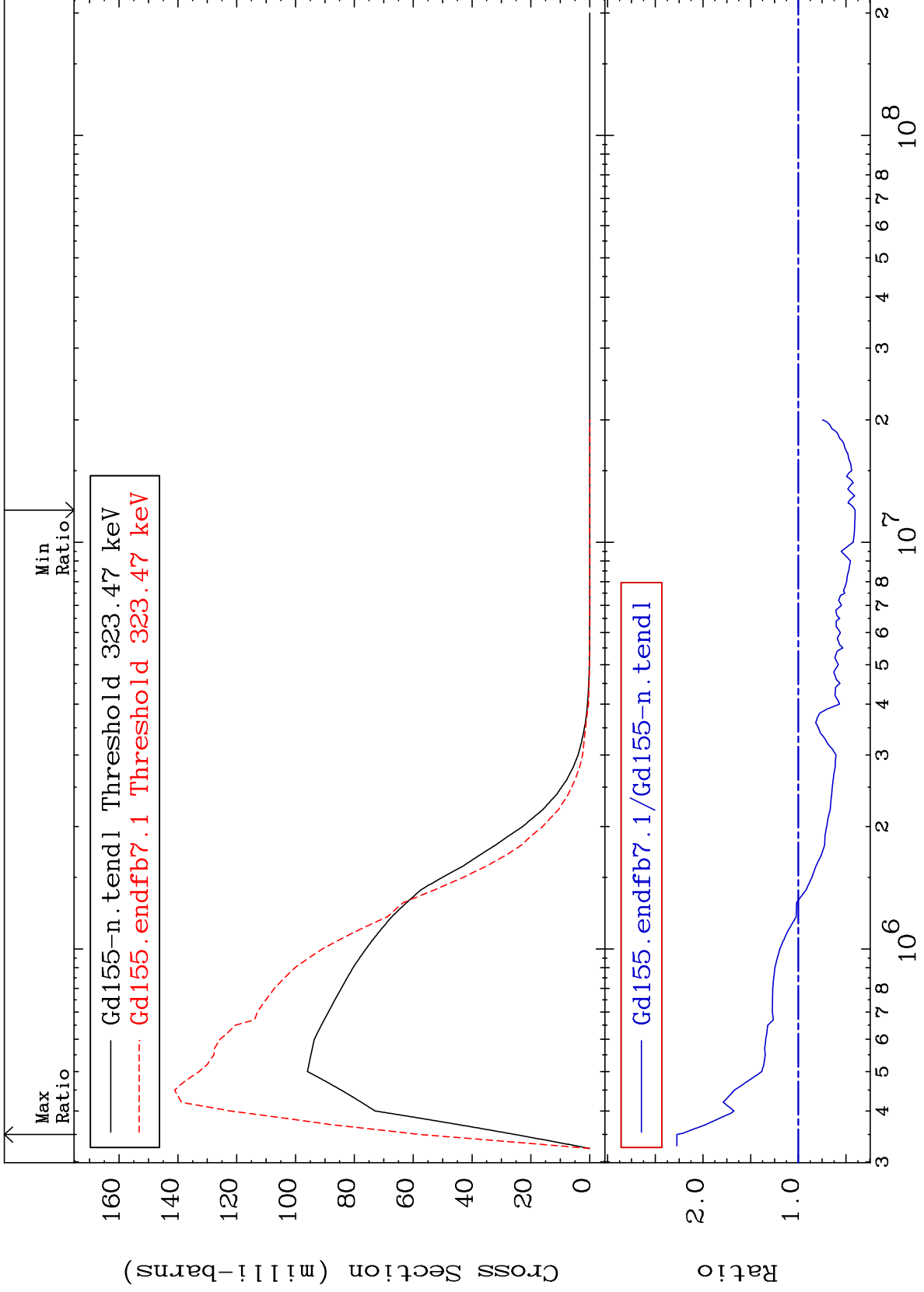
64-Gd-155  
-59.31 To 129.9 %



MAT 6434

321.4 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.52 To 127.3 %



24

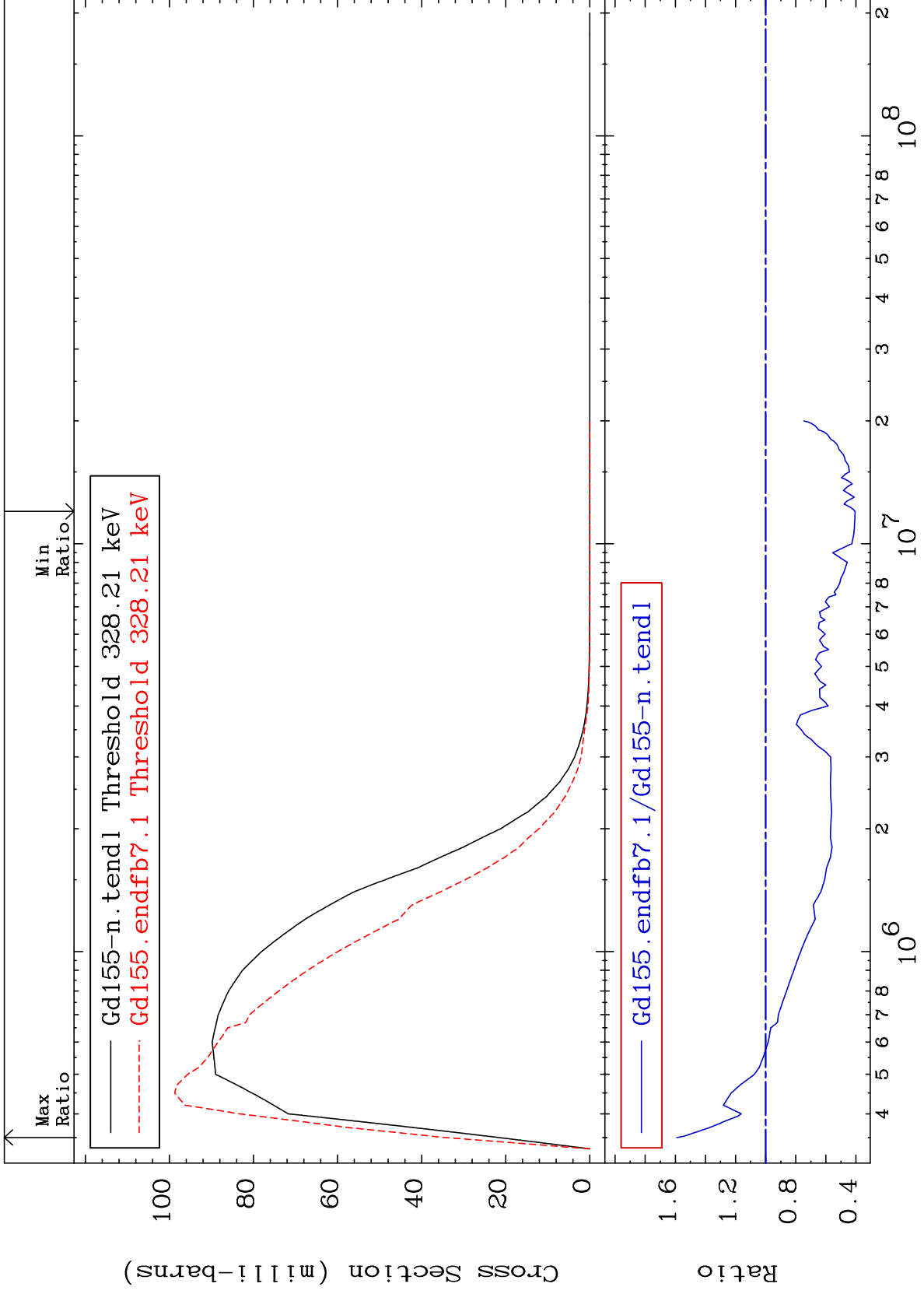
64-Gd-155



MAT 6434

326.1 keV (n,n') Level  
Cross Section

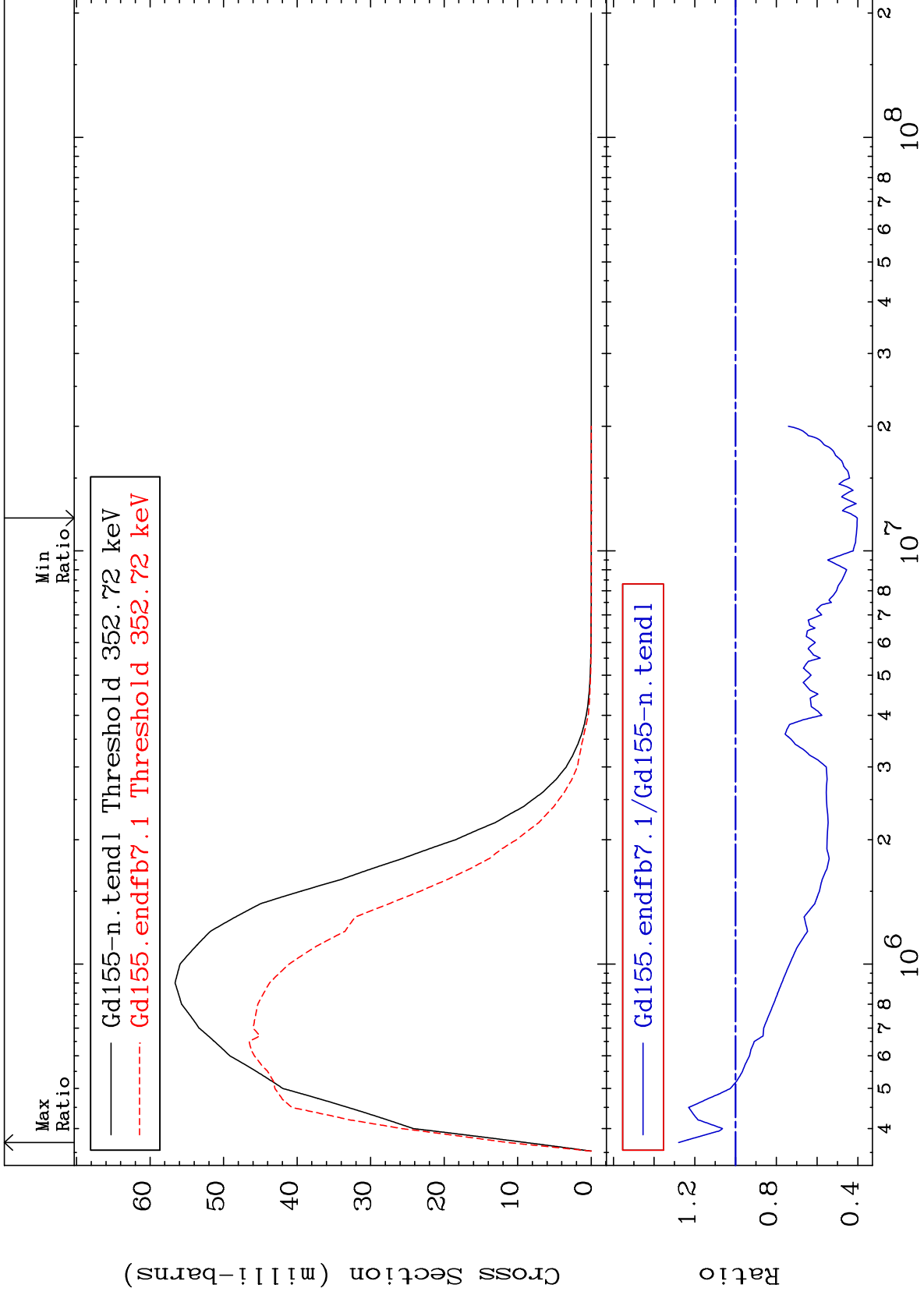
64-Gd-155  
-59.40 To 58.95 %



MAT 6434

350.4 keV (n,n') Level  
Cross Section

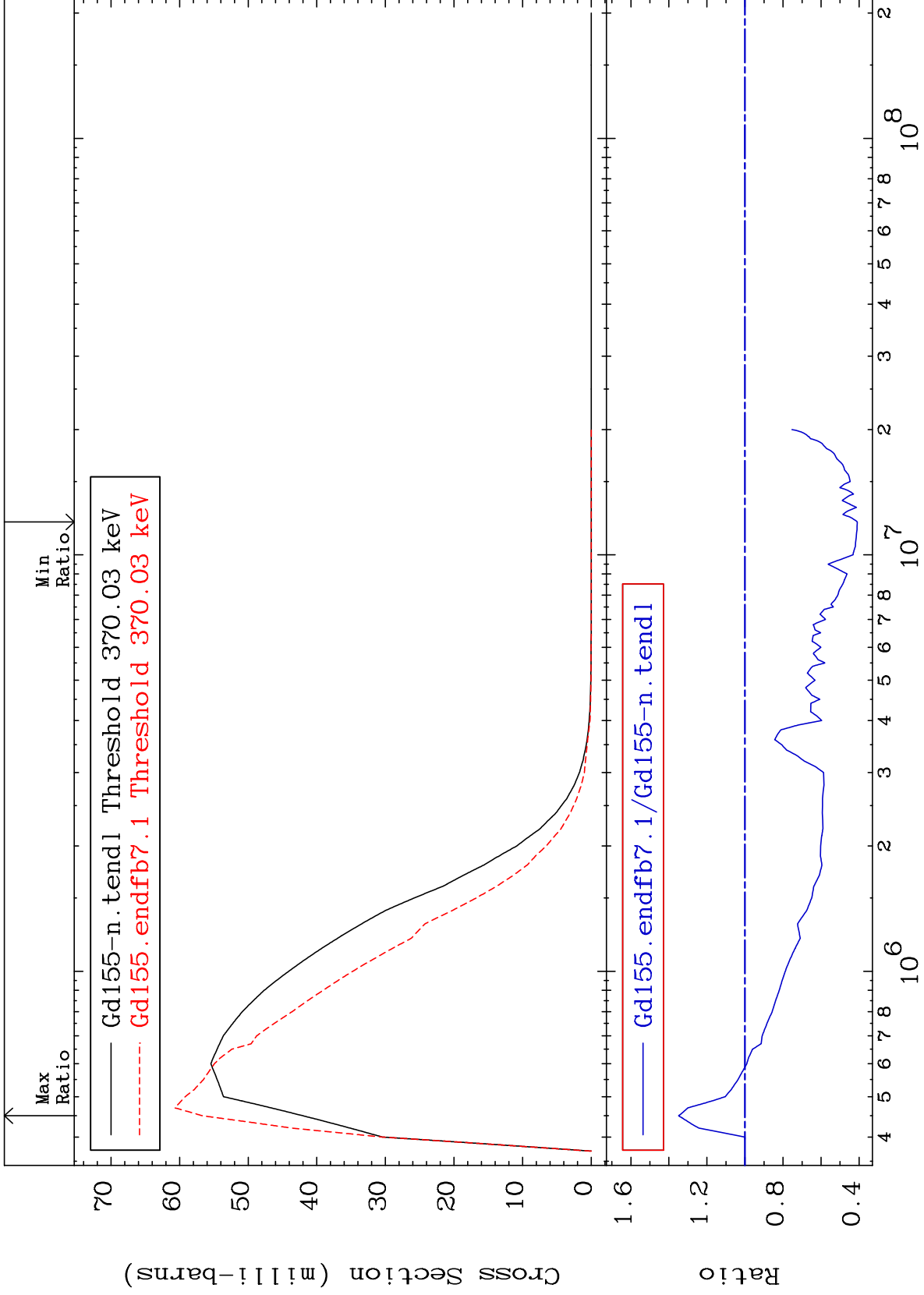
64-Gd-155  
-59.75 To 27.97 %



MAT 6434

367.6 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.03 To 34.88 %



27

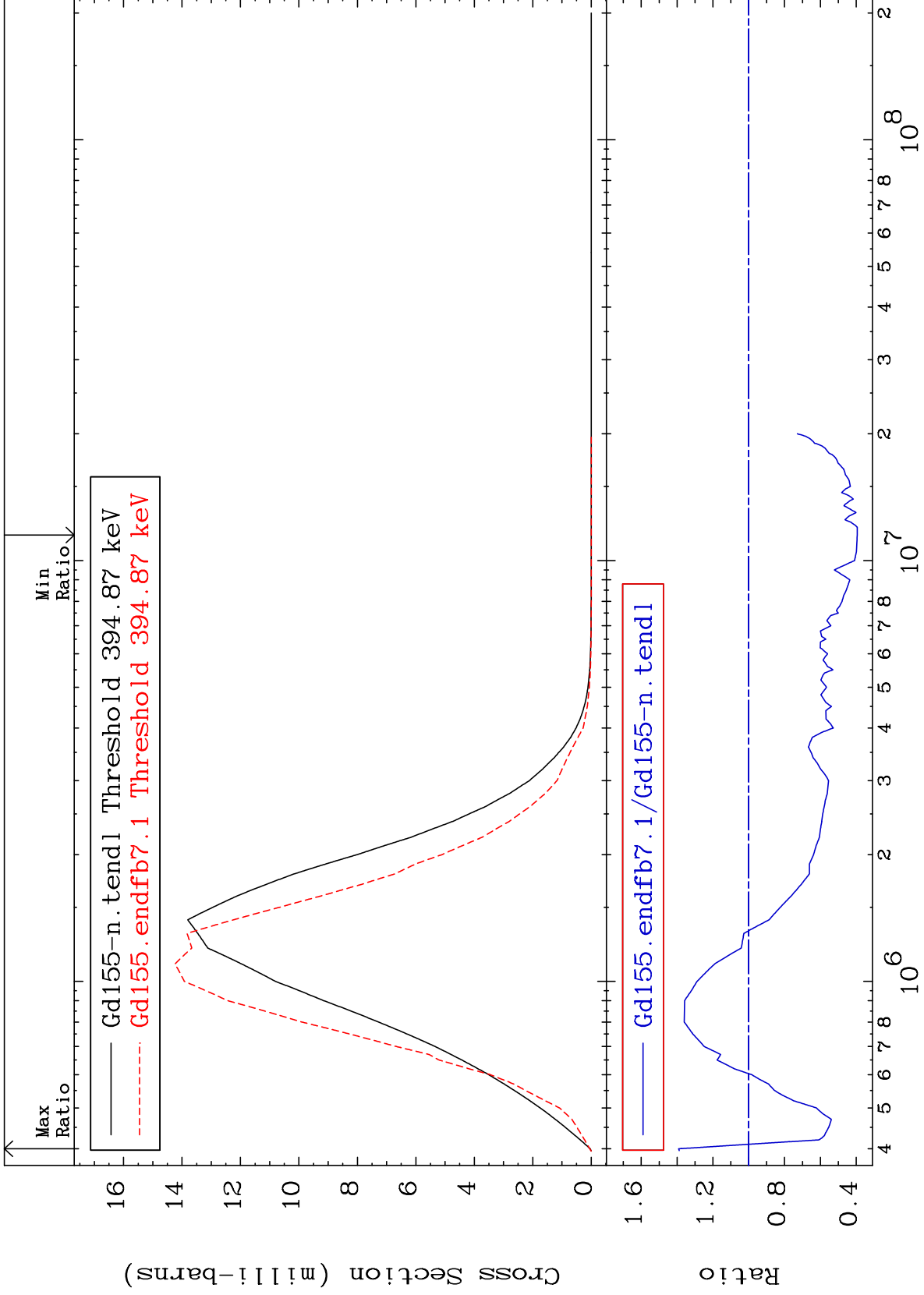
Incident Energy (eV)

64-Gd-155

MAT 6434

392.3 keV (n,n') Level  
Cross Section

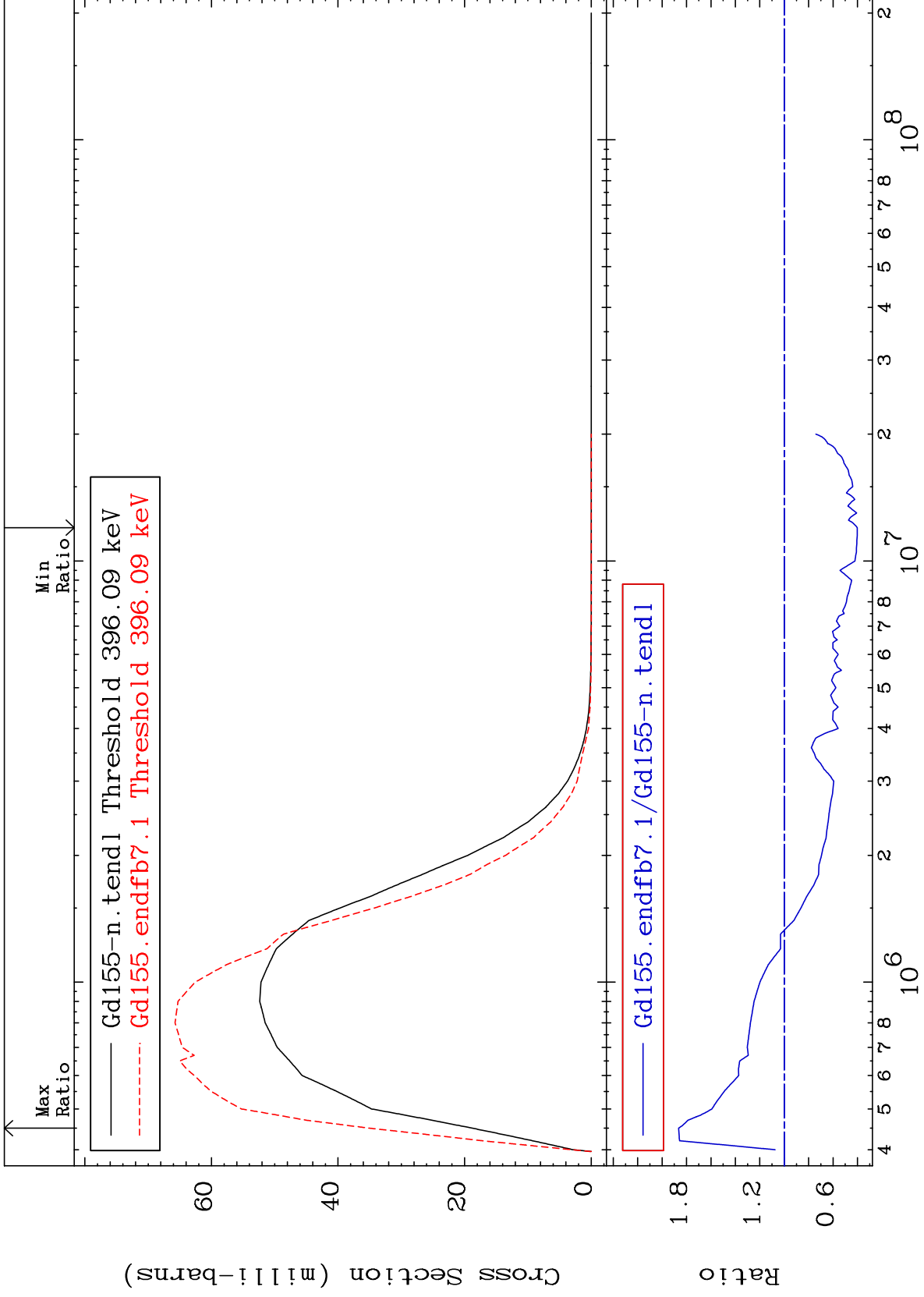
64-Gd-155  
-60.59 To 39.12 %



MAT 6434

393.5 keV (n,n') Level  
Cross Section

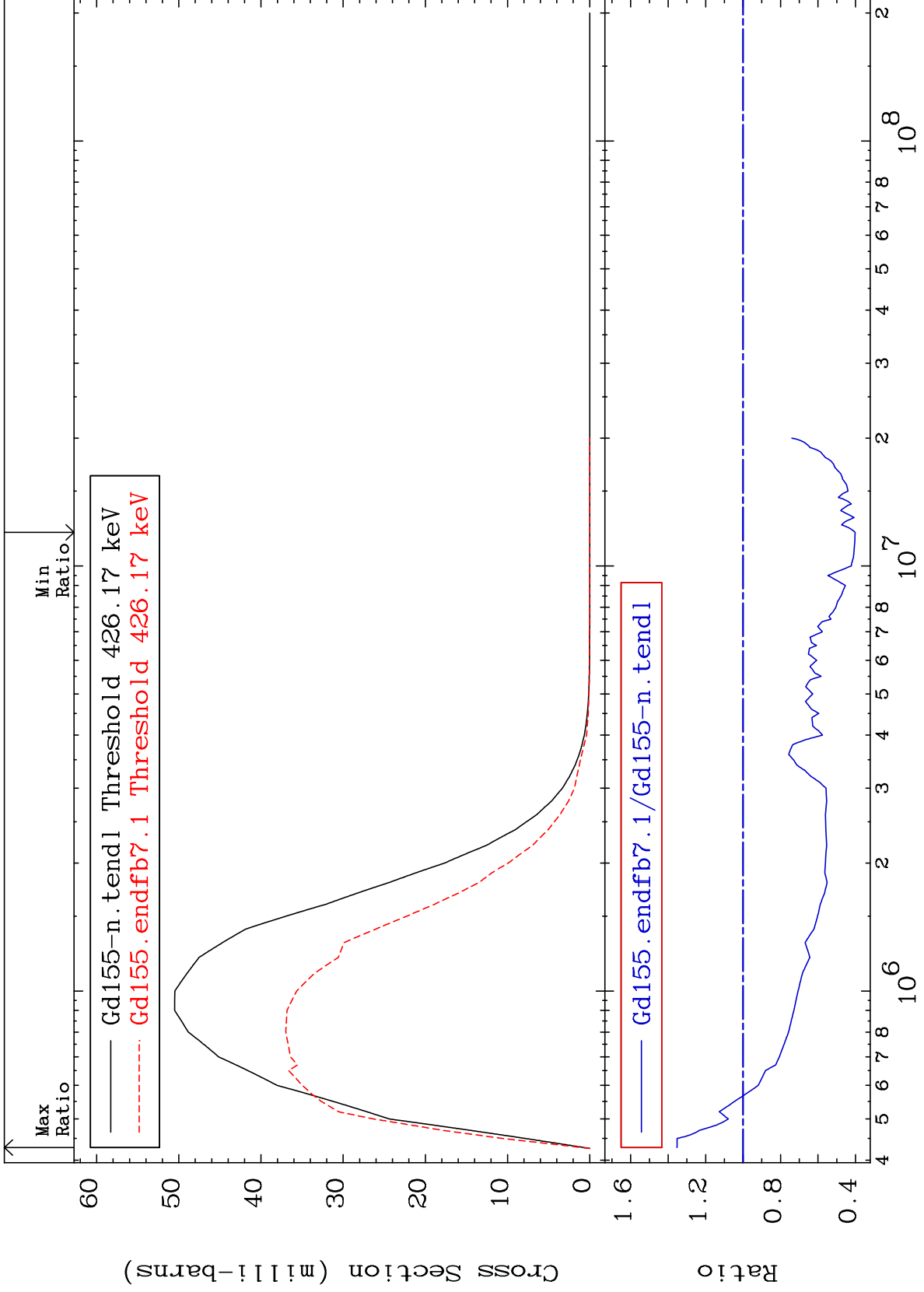
64-Gd-155  
-59.81 To 86.46 %



MAT 6434

423.4 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.78 To 35.32 %



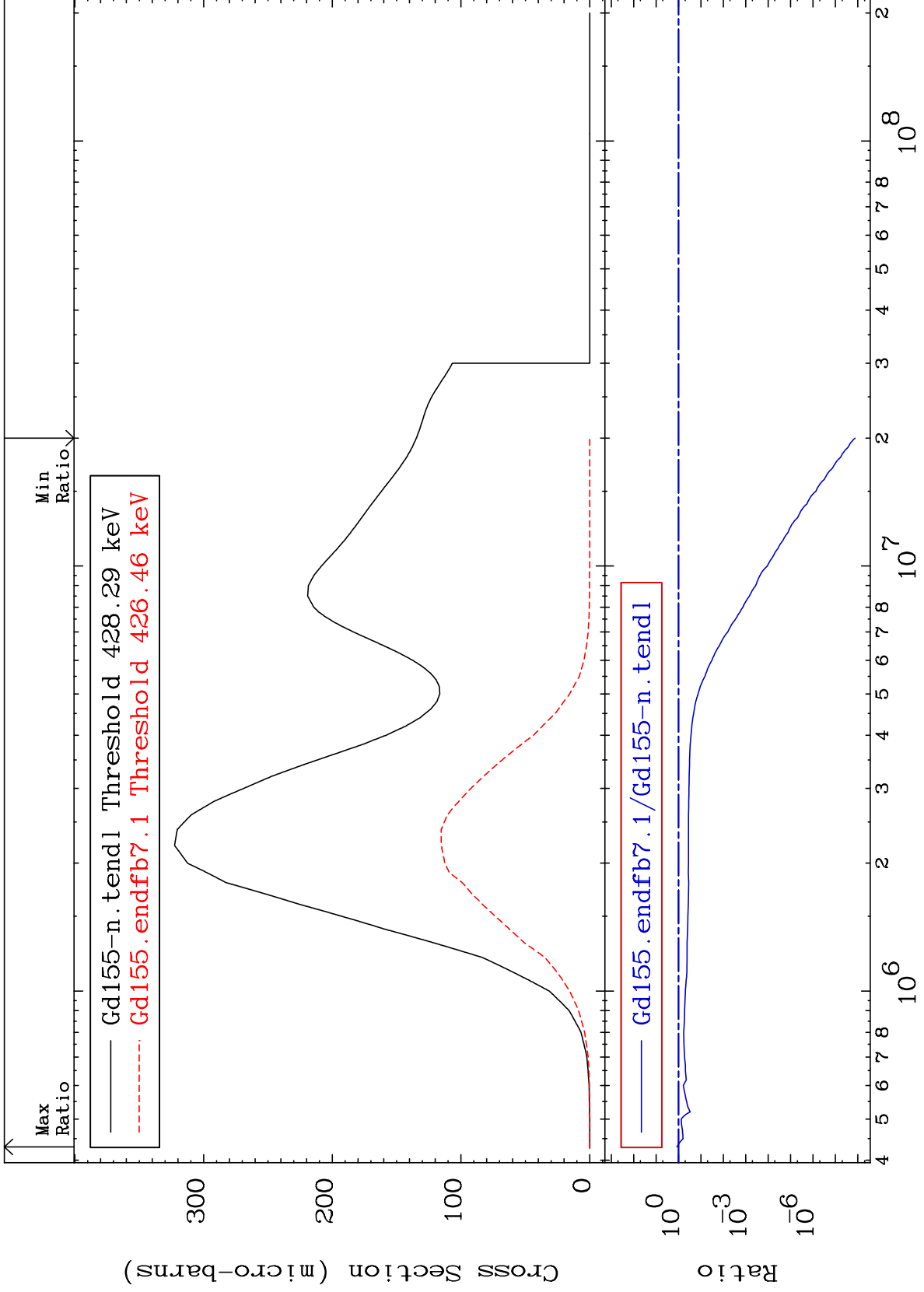
30

64-Gd-155

MAT 6434

425.5 keV (n,n') Level  
Cross Section

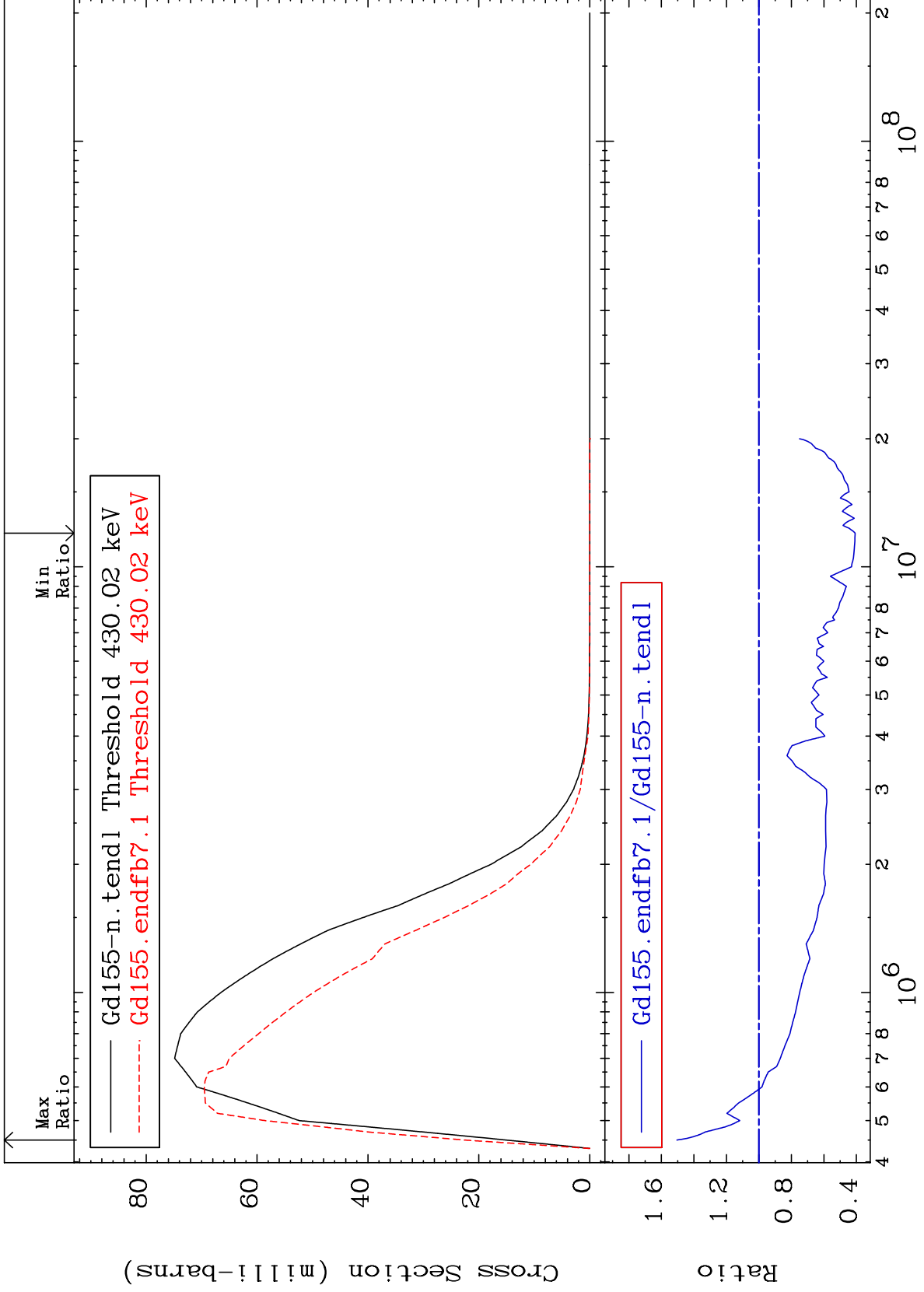
64-Gd-155  
-100.0 To 17.71 %



MAT 6434

427.2 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.20 To 50.43 %

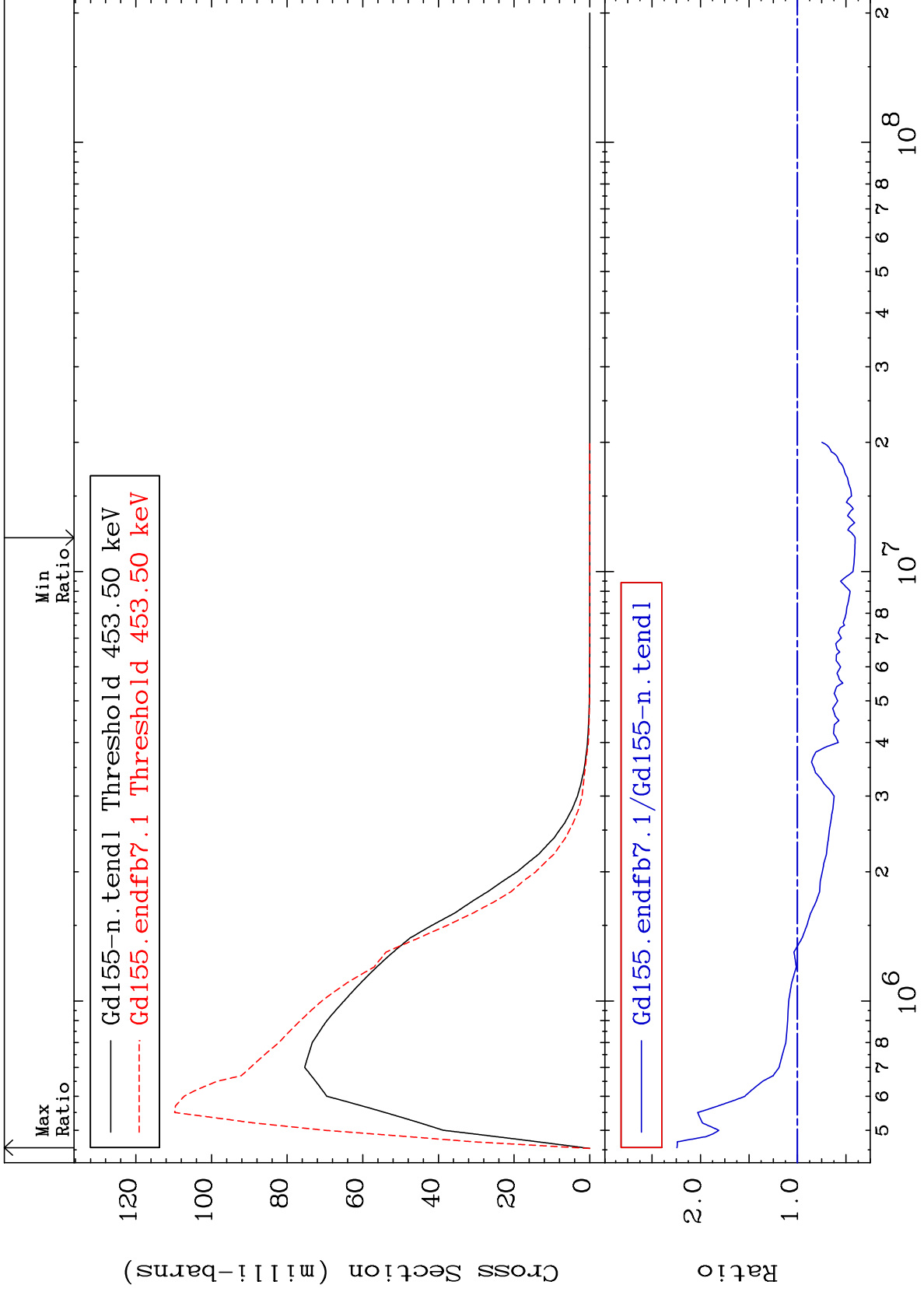




MAT 6434

450.6 keV (n,n') Level  
Cross Section

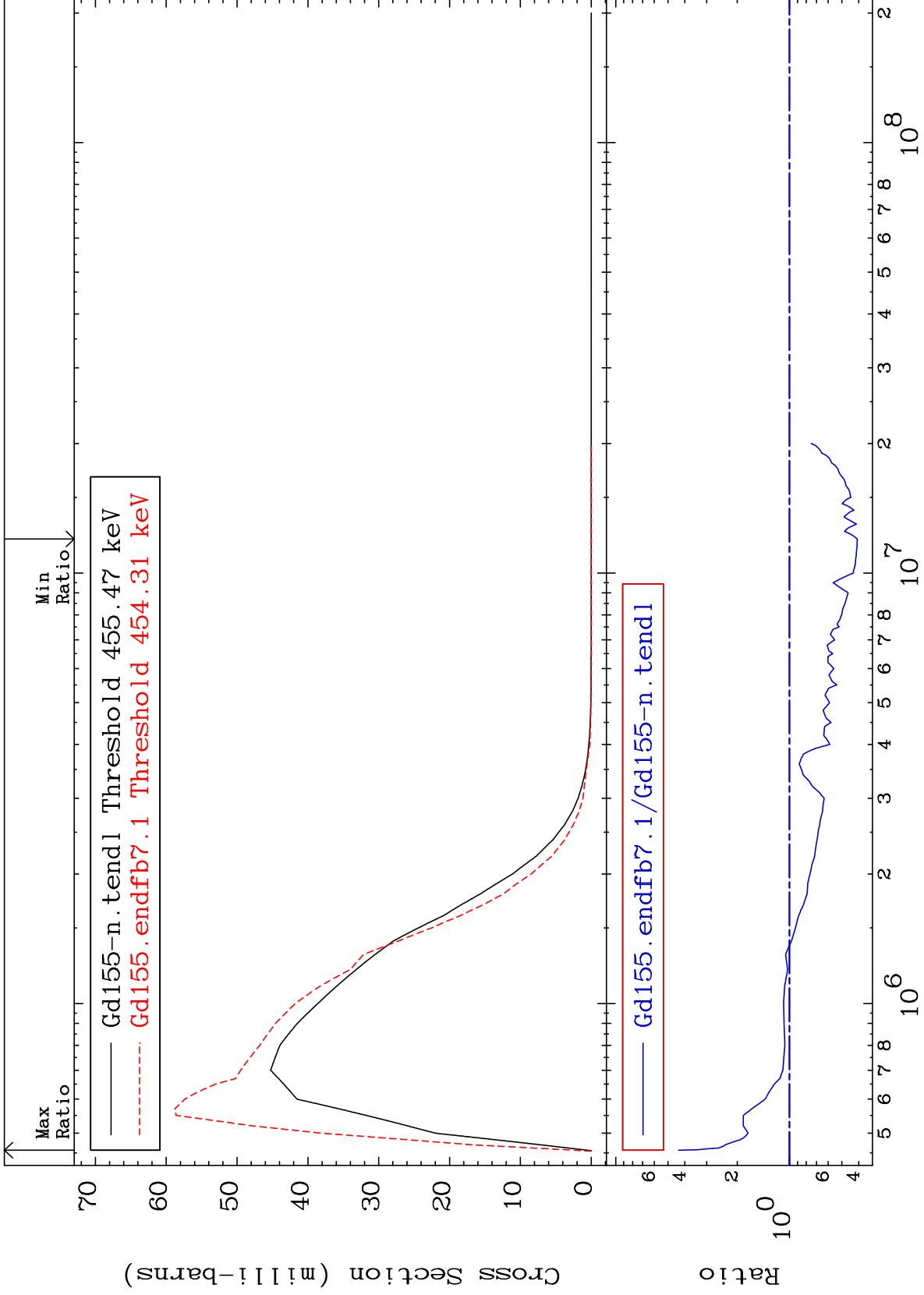
64-Gd-155  
-59.37 To 124.3 %



MAT 6434

452.5 keV (n,n') Level  
Cross Section

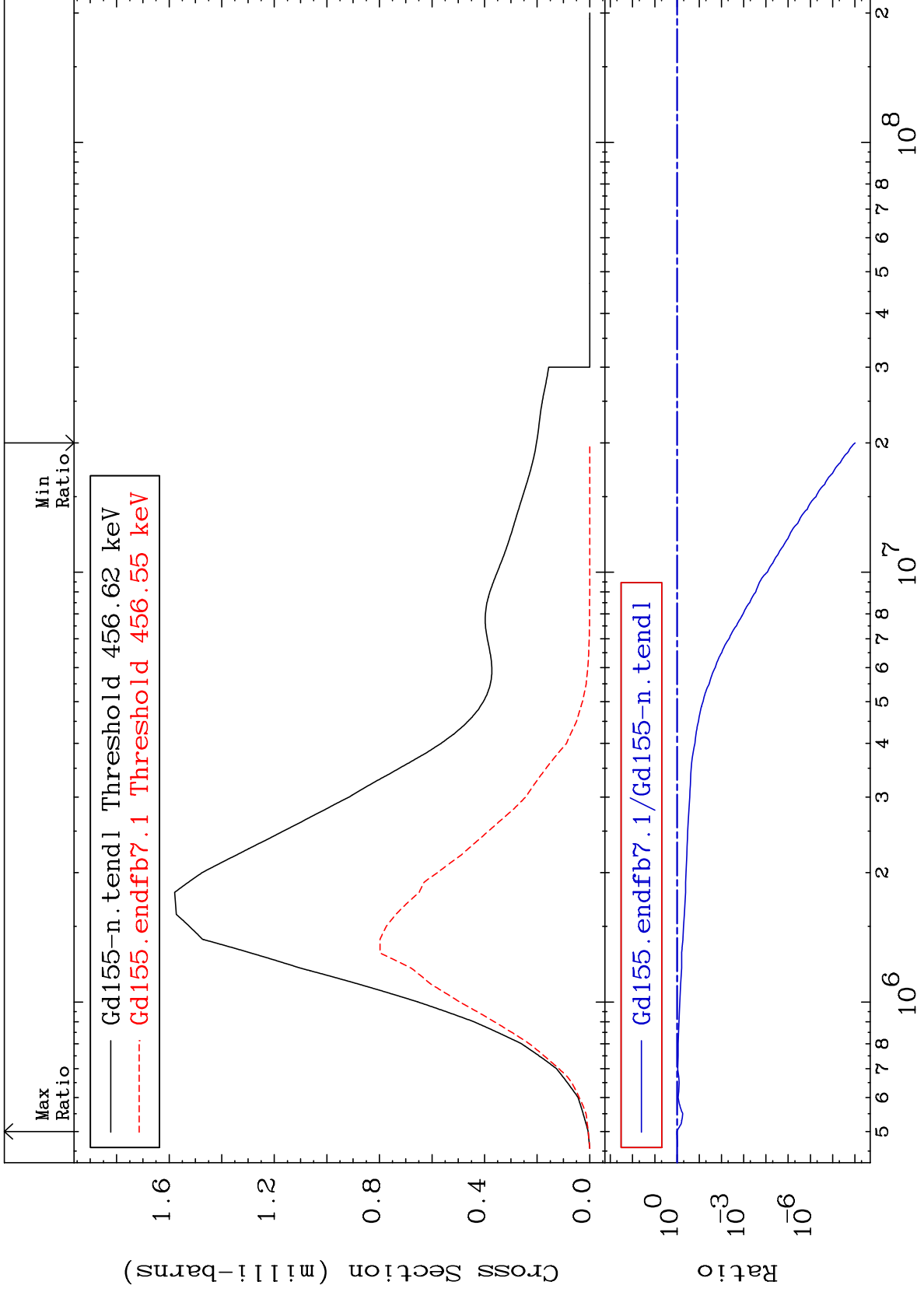
64-Gd-155  
-59.23 To 334.4 %



MAT 6434

453.7 keV (n,n') Level  
Cross Section

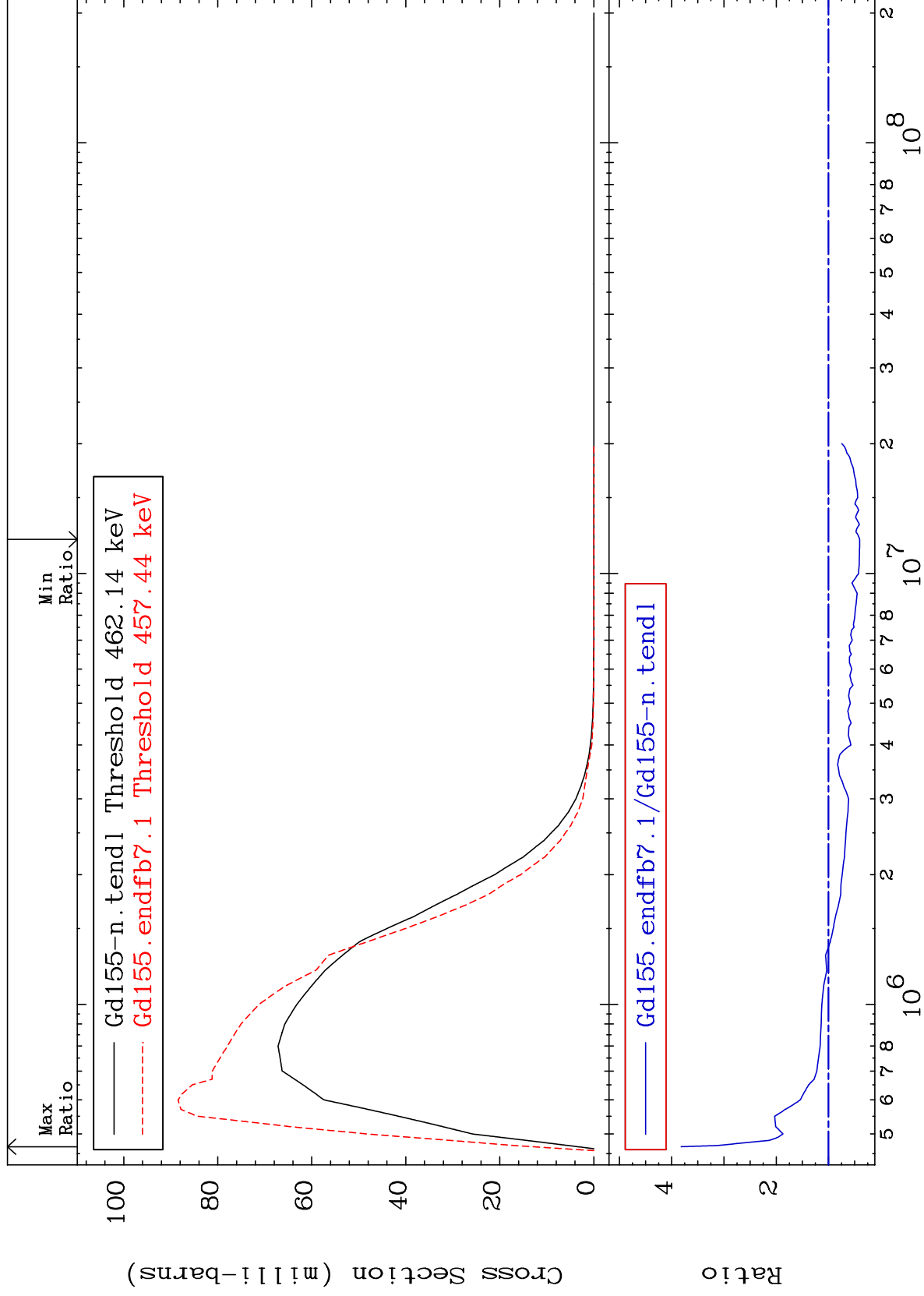
64-Gd-155  
-100.0 To 1.022 %



MAT 6434

459.2 keV (n,n') Level  
Cross Section

64-Gd-155  
-59.56 To 281.8 %



36

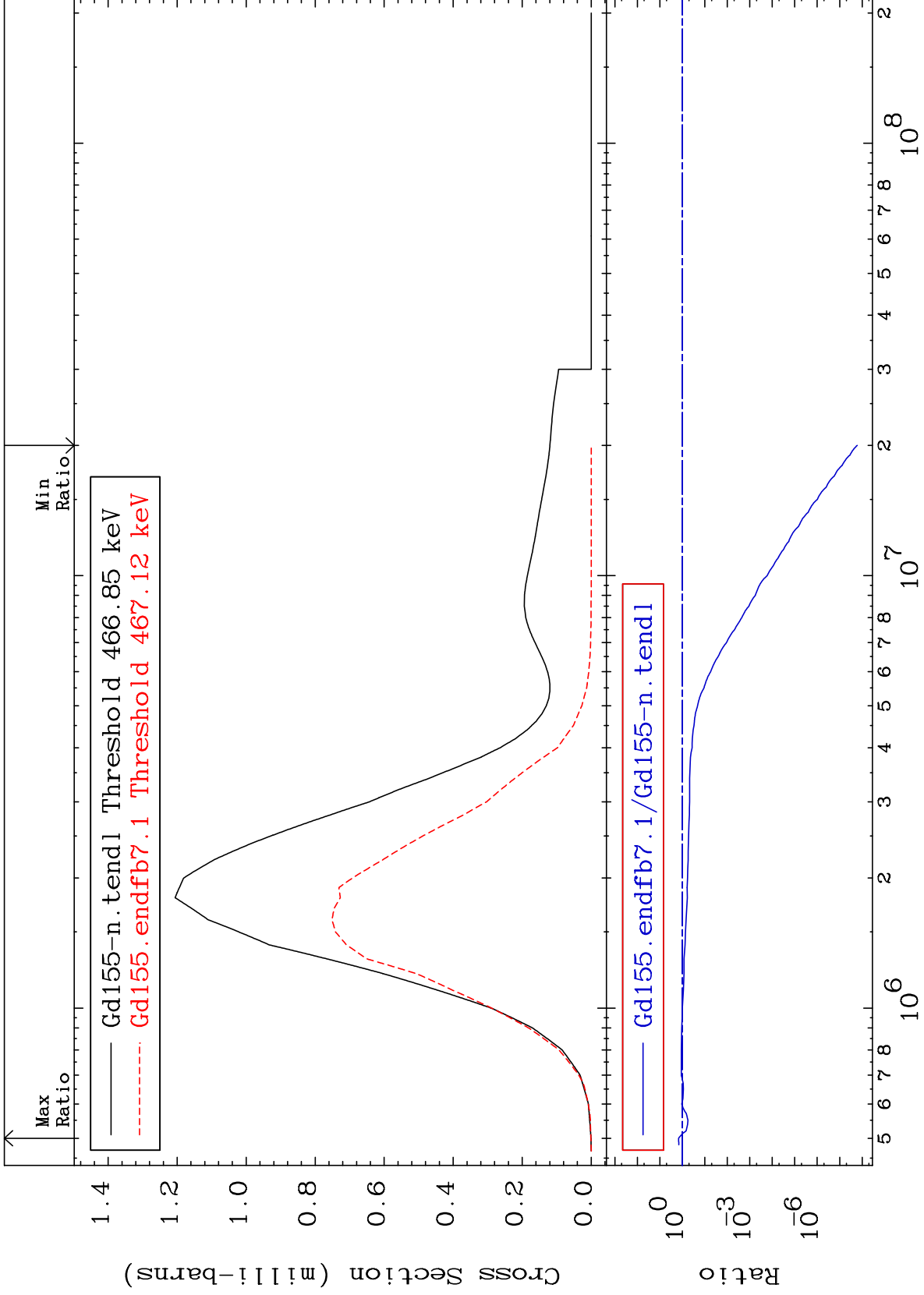
Incident Energy (eV)

64-Gd-155

MAT 6434

463.8 keV (n,n') Level  
Cross Section

64-Gd-155  
-100.0 To 45.82 %



37

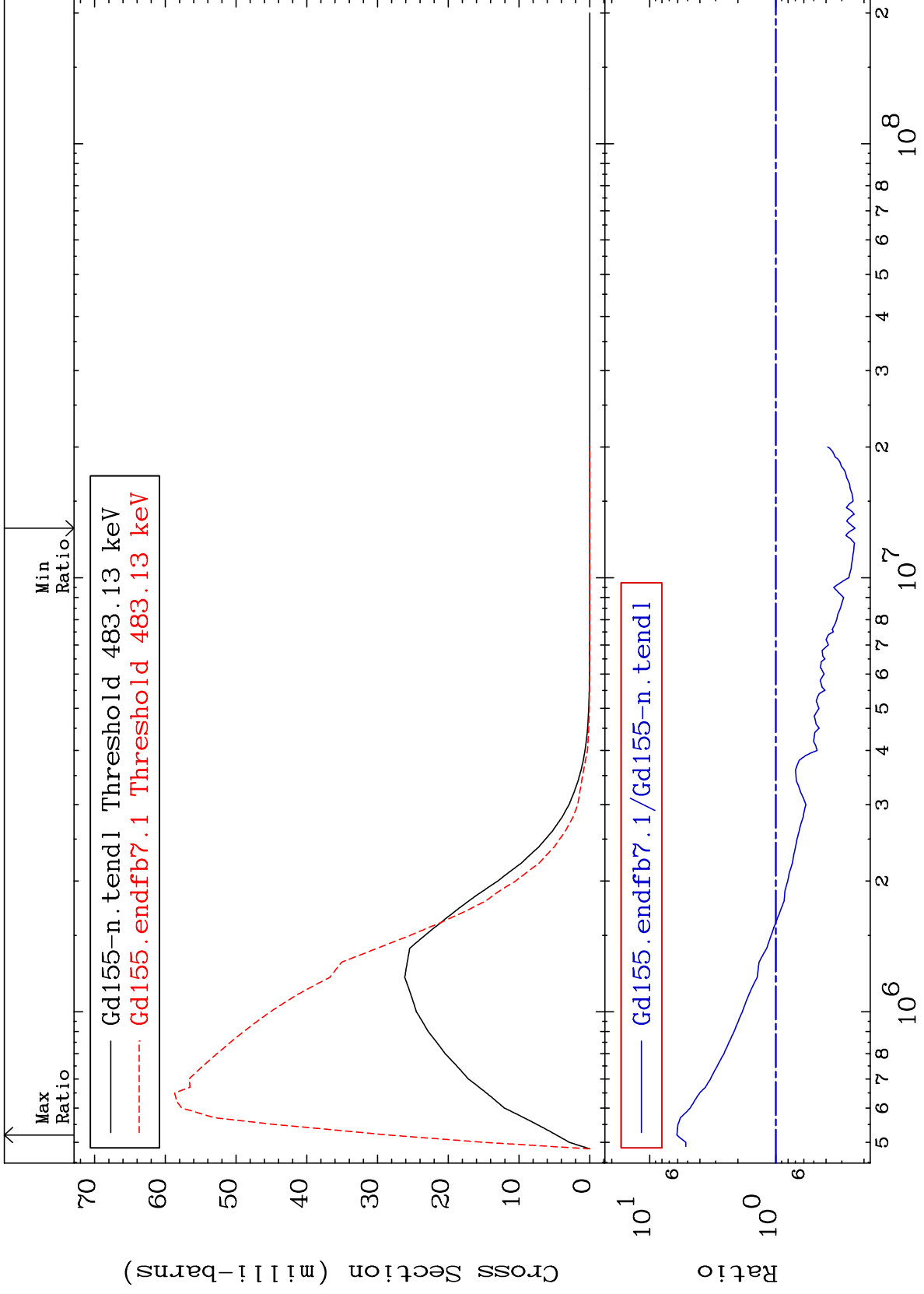
Incident Energy (eV)

64-Gd-155

MAT 6434

480.0 keV (n,n') Level  
Cross Section

64-Gd-155  
-76.47 To 508.3 %



38

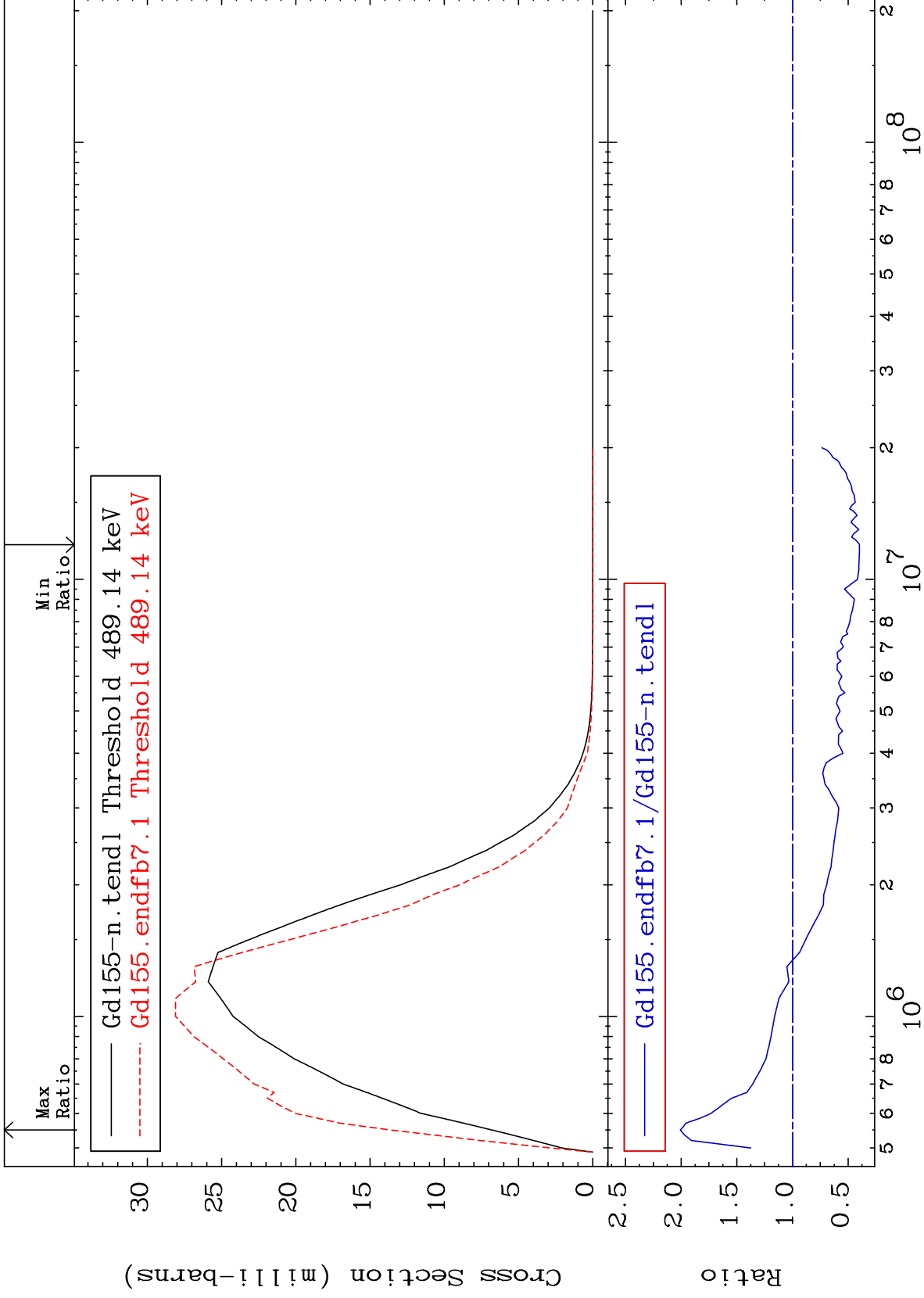
Incident Energy (eV)

64-Gd-155

MAT 6434

486.0 keV (n,n') Level  
Cross Section

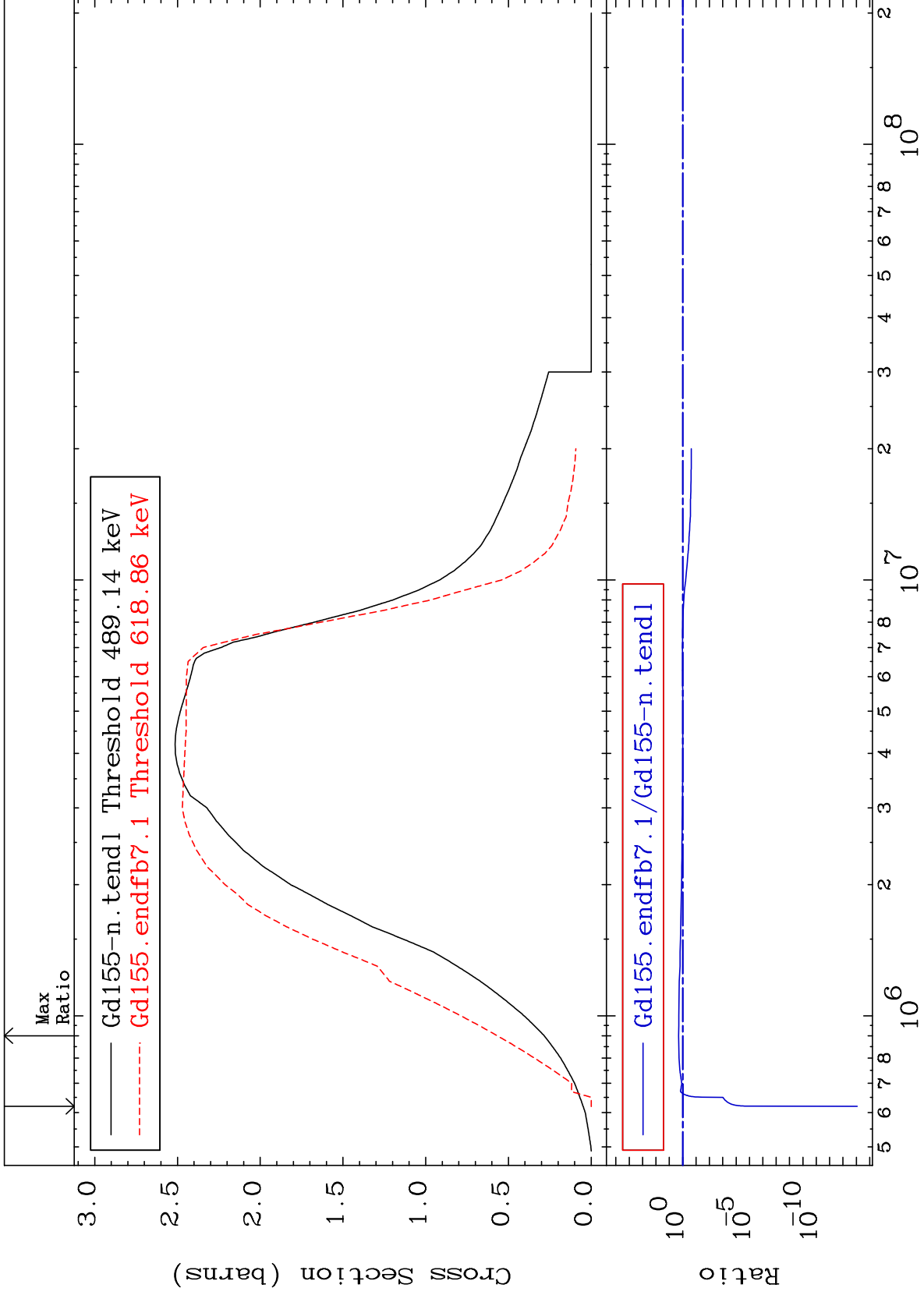
64-Gd-155  
-60.21 To 100.7 %



MAT 6434

(n, n') Continuum  
Cross Section

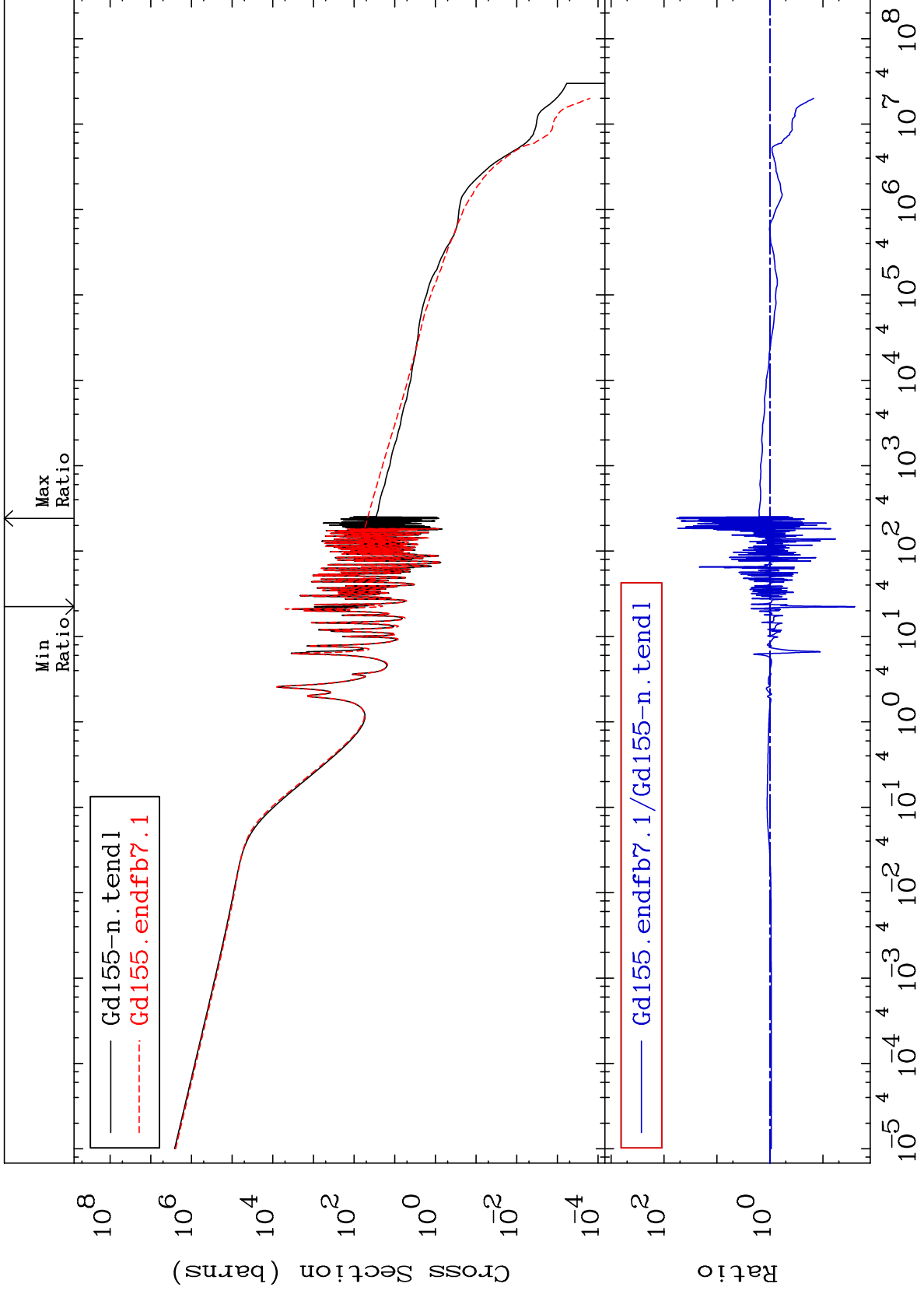
64-Gd-155  
-100.0 To 99.94 %





MAT 6434

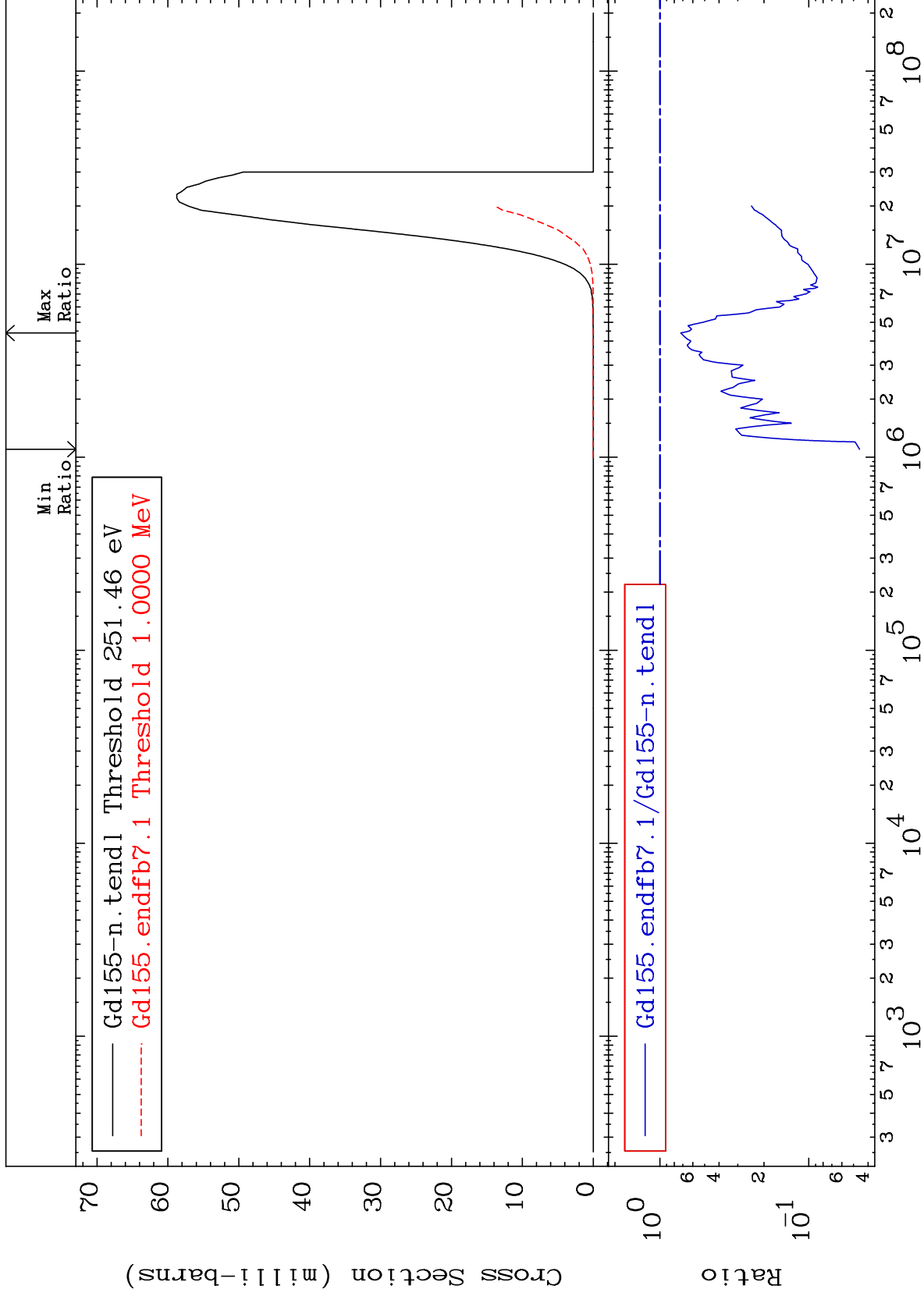
64-Gd-155  
-97.53 To 5615. %



MAT 6434

(n, p)  
Cross Section

64-Gd-155  
-95.44 To -27.66%



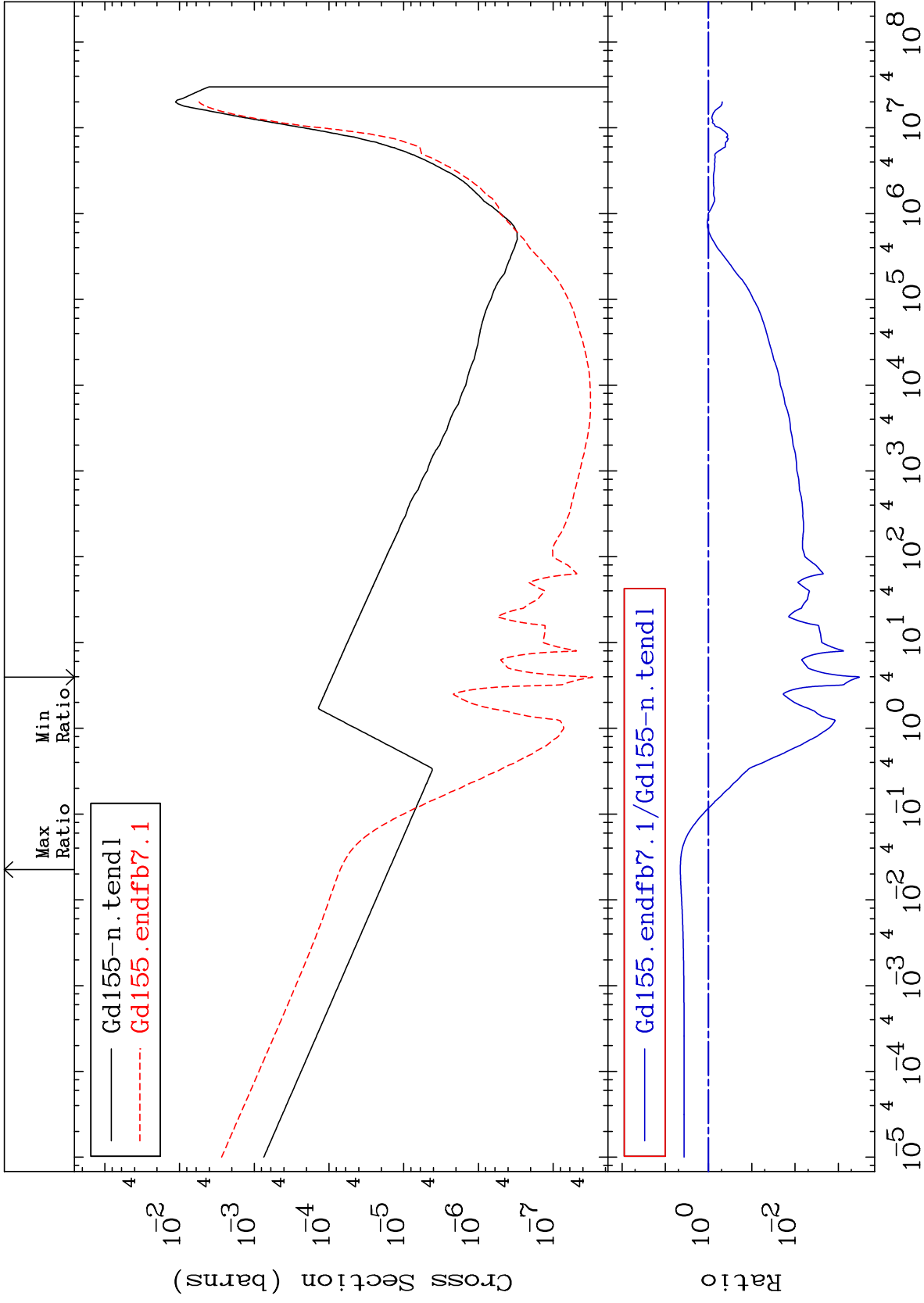
MAT 6434

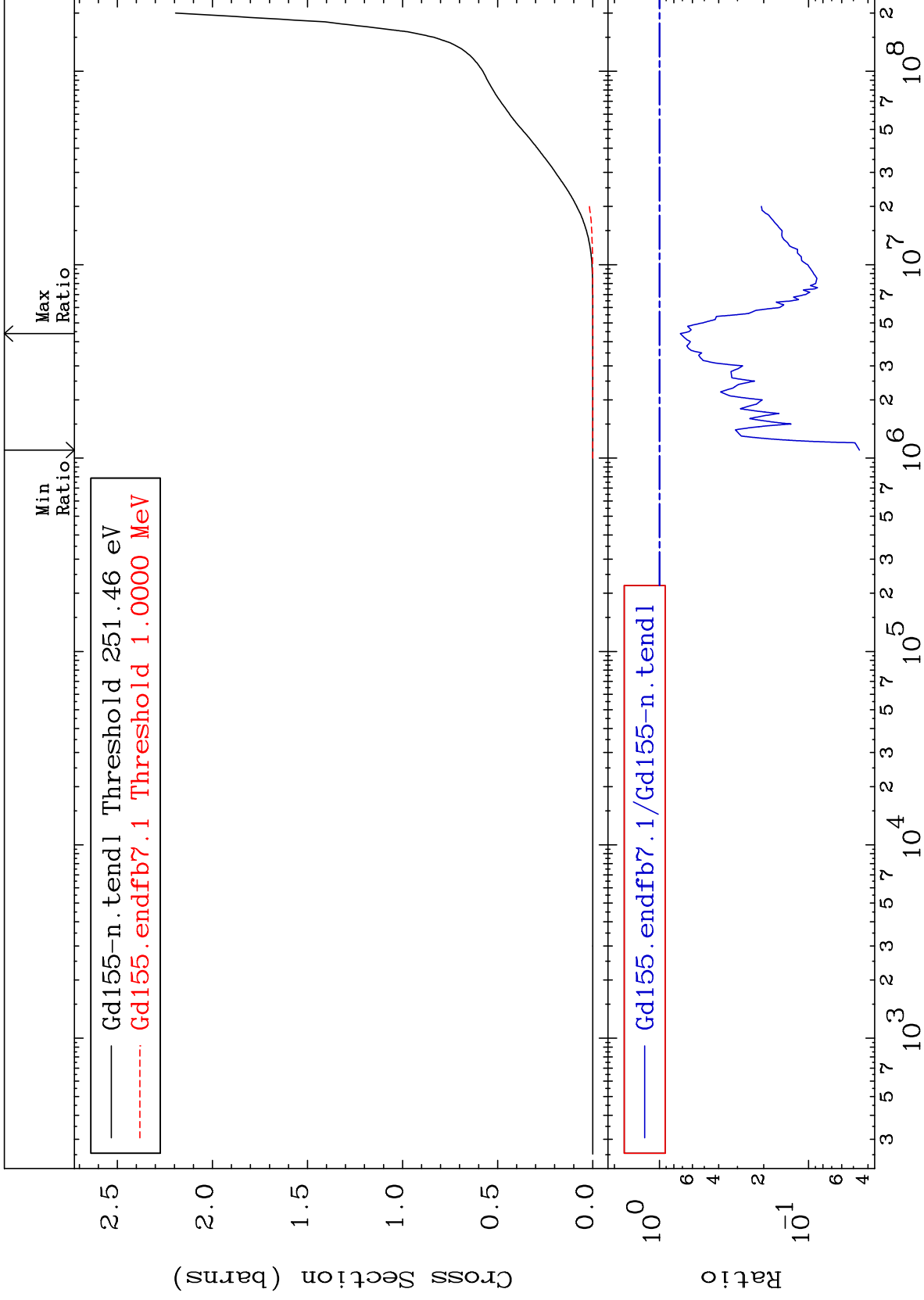
(n,  $\alpha$ )

64-Gd-155

Cross Section

-99.97 To 348.9 %

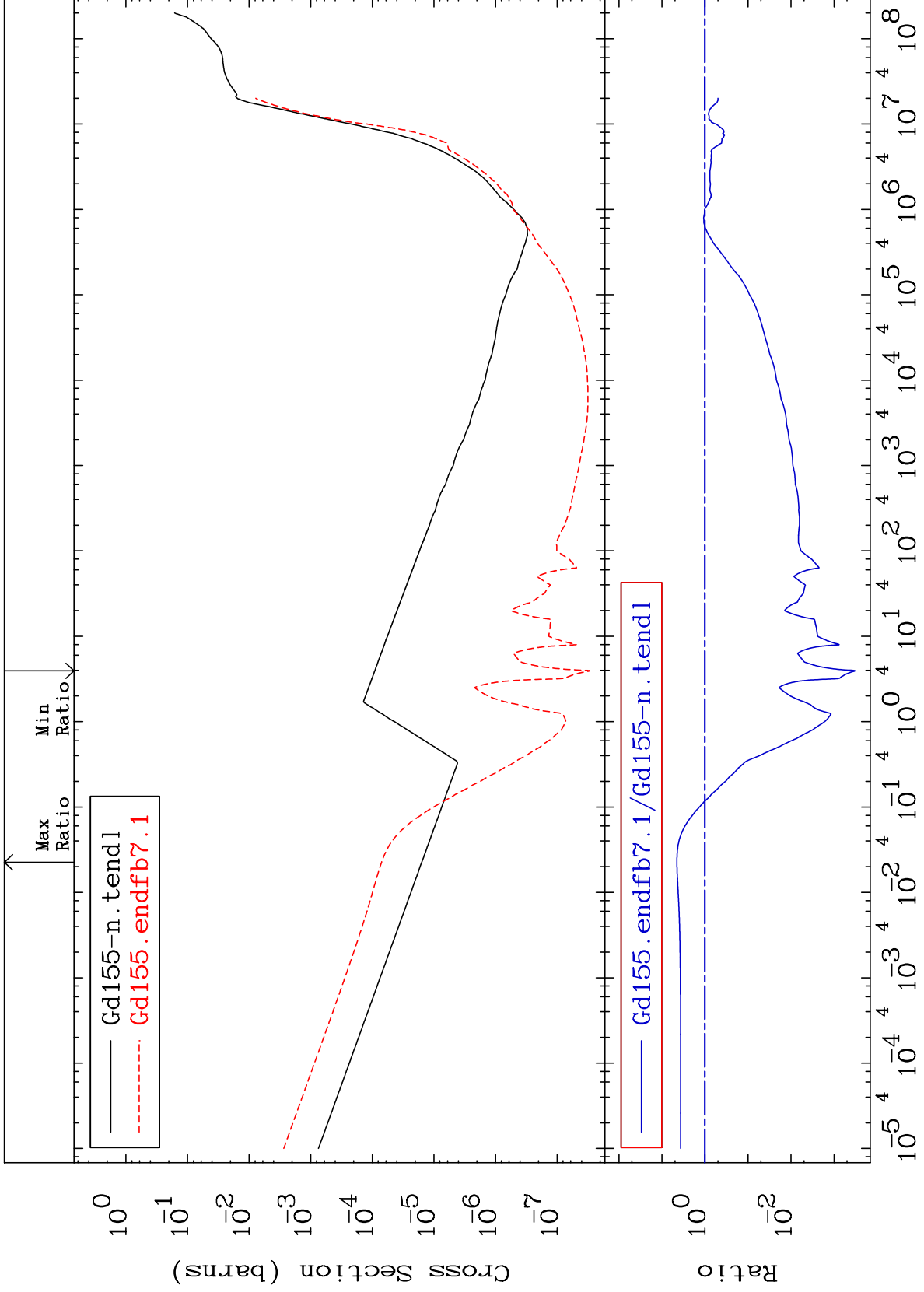


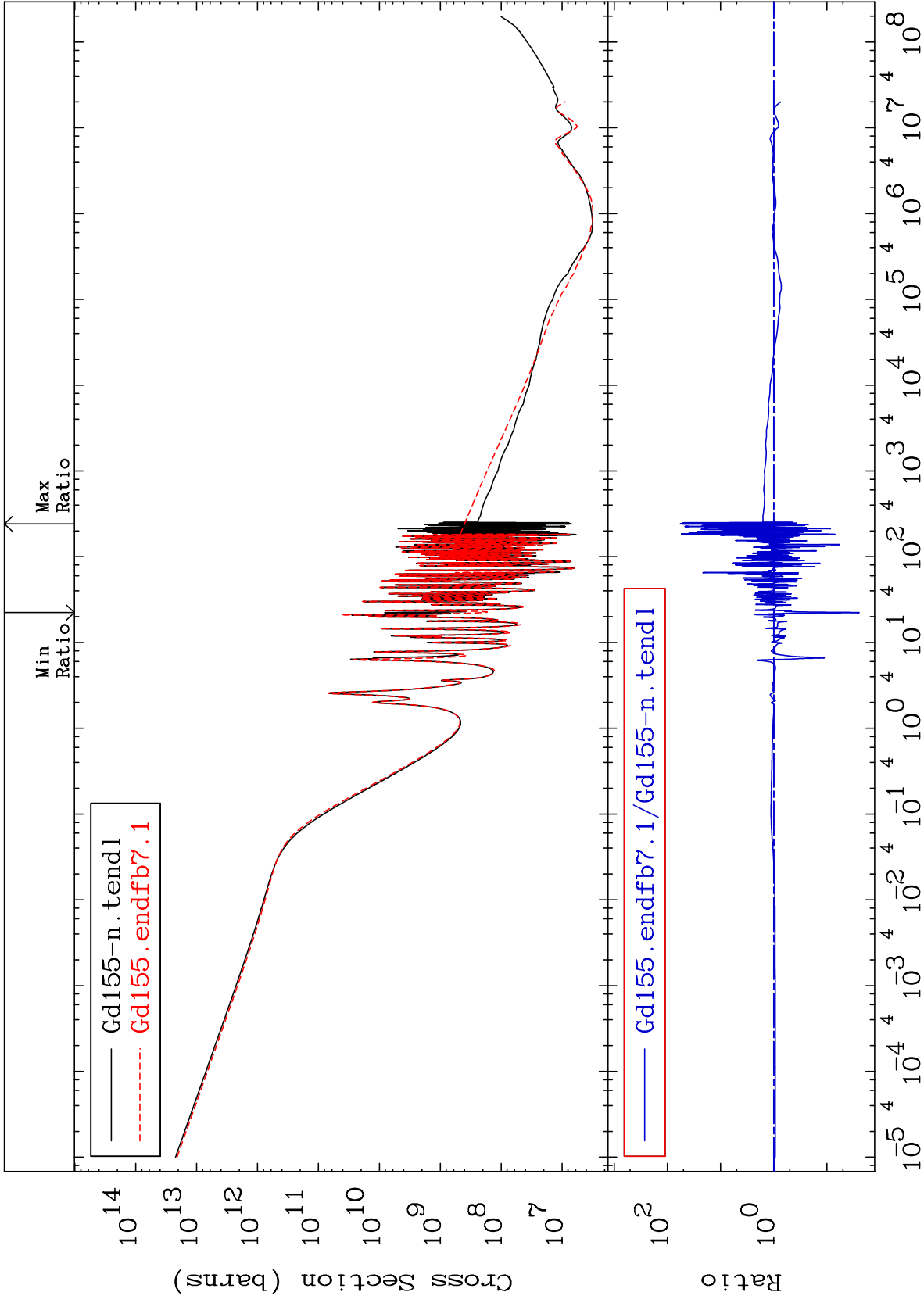


MAT 6434

He-4 Production  
Cross Section

64-Gd-155  
-99.97 To 348.9 %

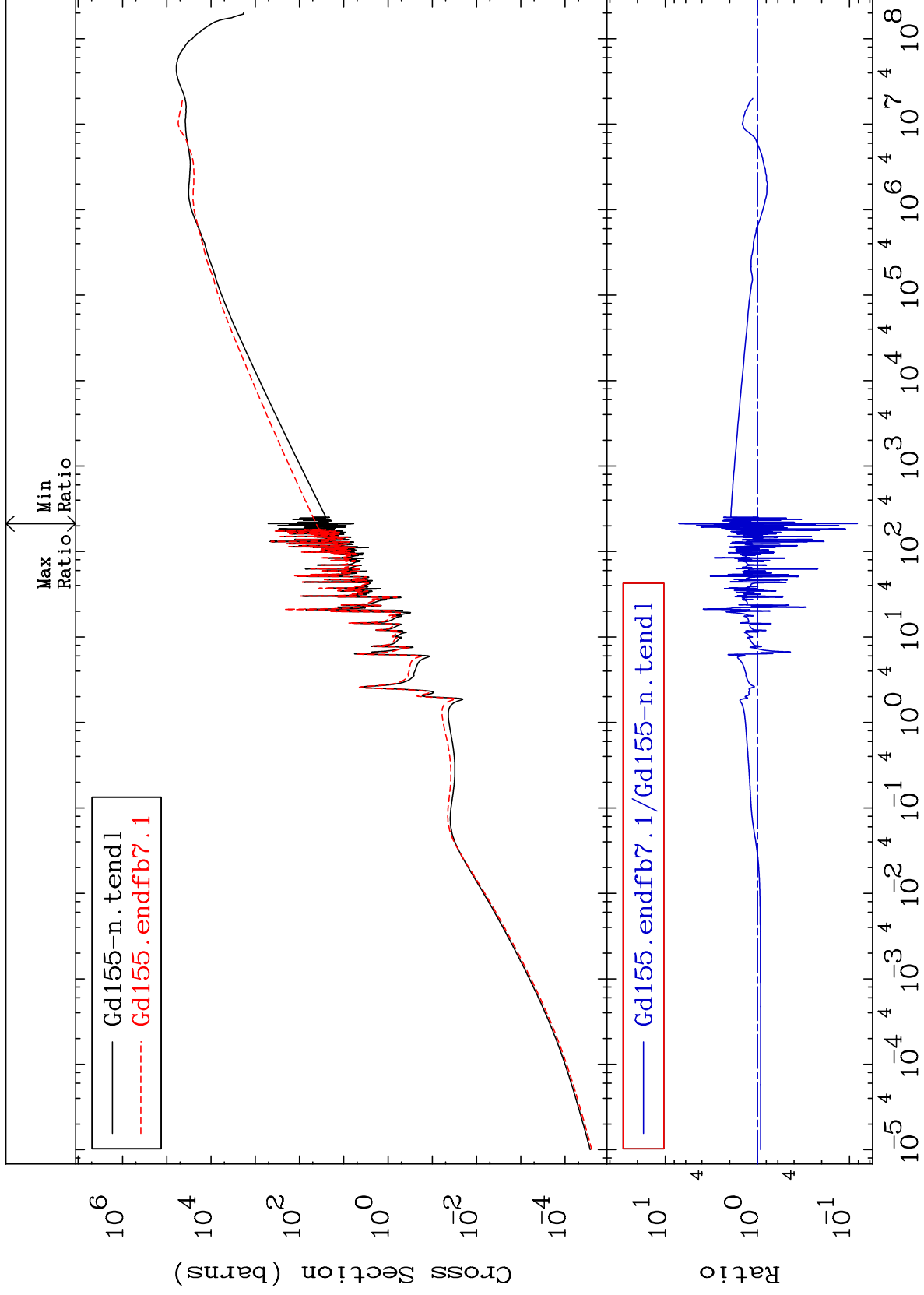


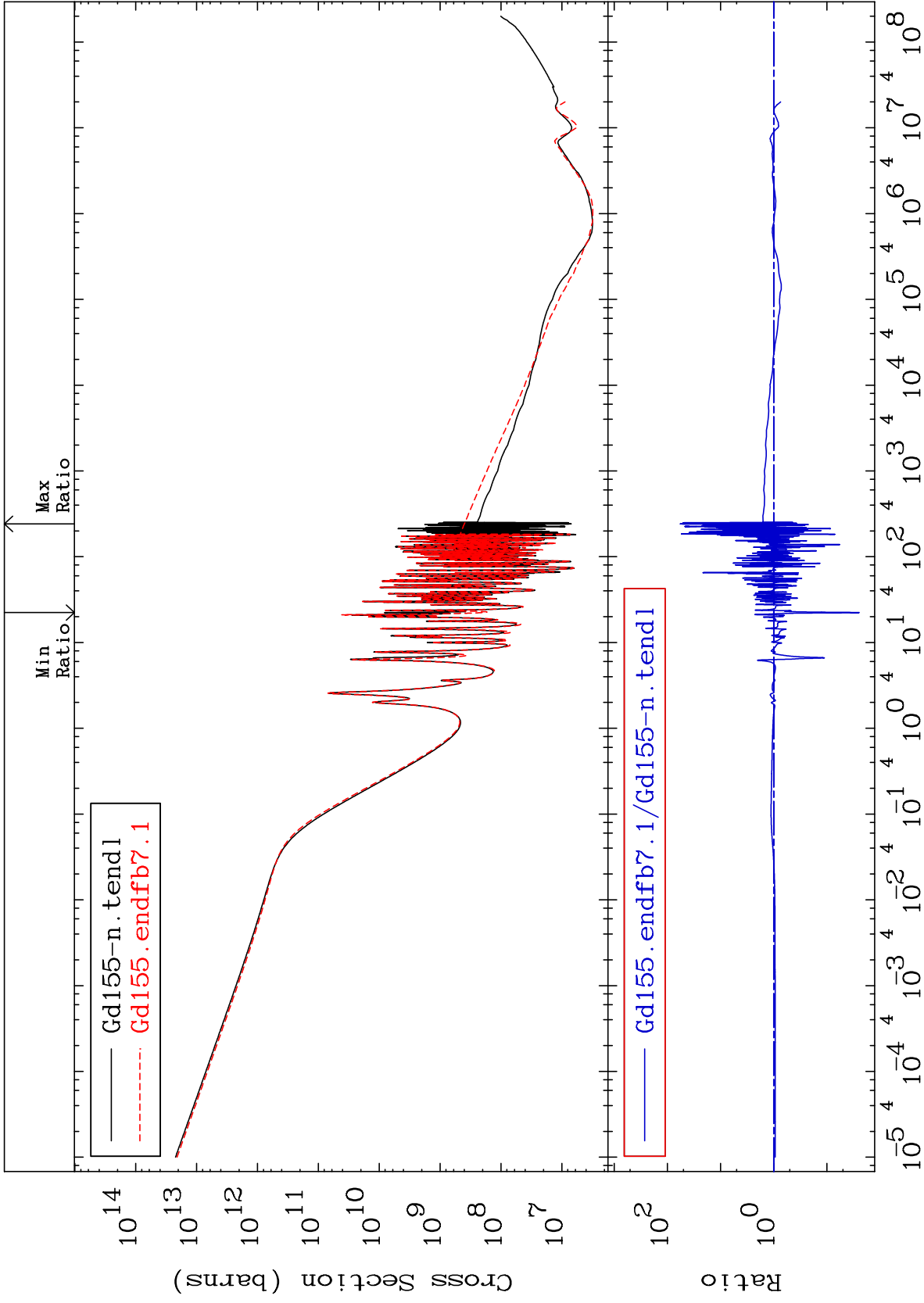


MAT 6434

Kerma elastic  
Cross Section

64-Gd-155  
-91.81 To 608.1 %



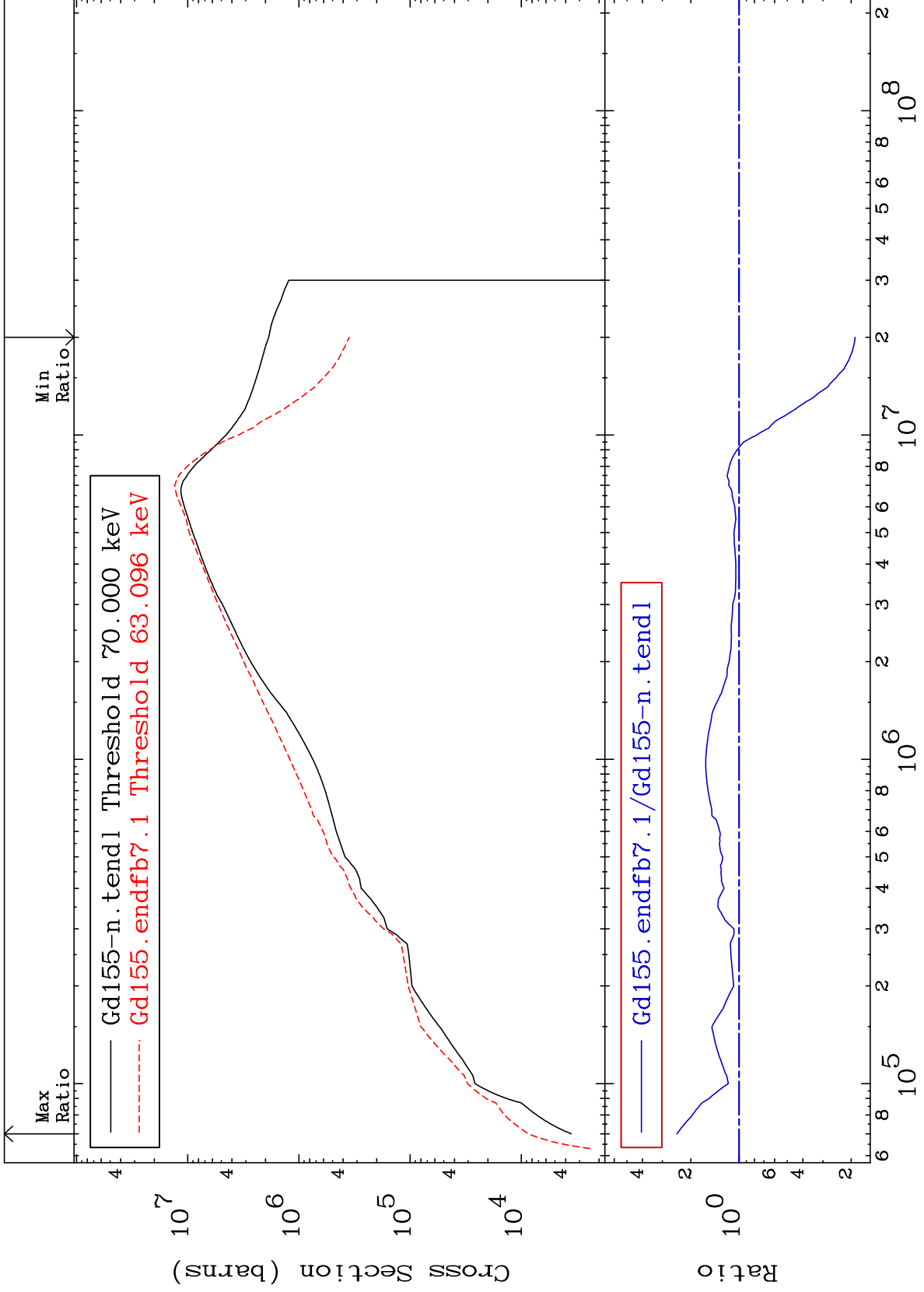




MAT 6434

Kerma inelastic (mt51-91)  
Cross Section

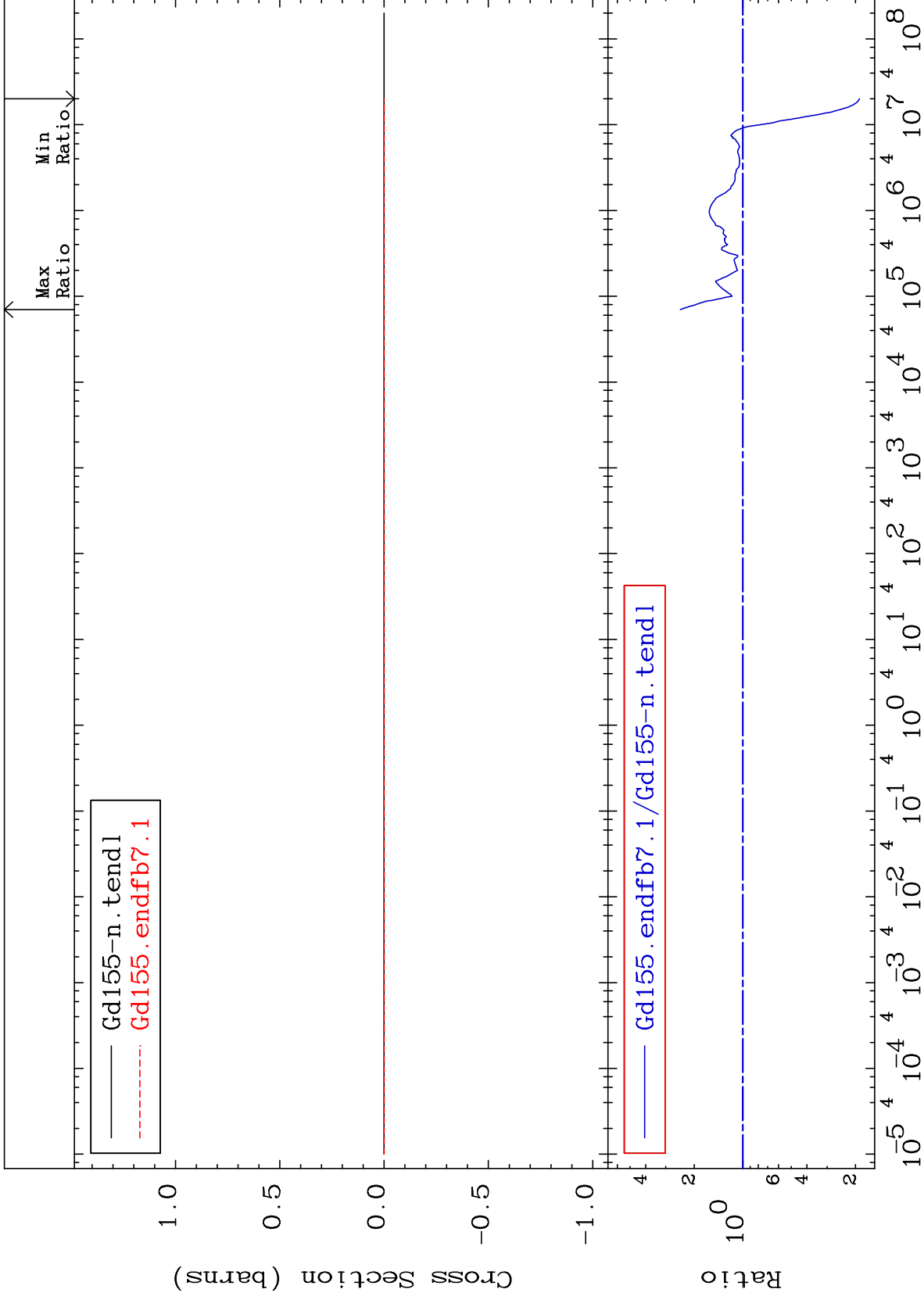
64-Gd-155  
-81.09 To 143.8 %

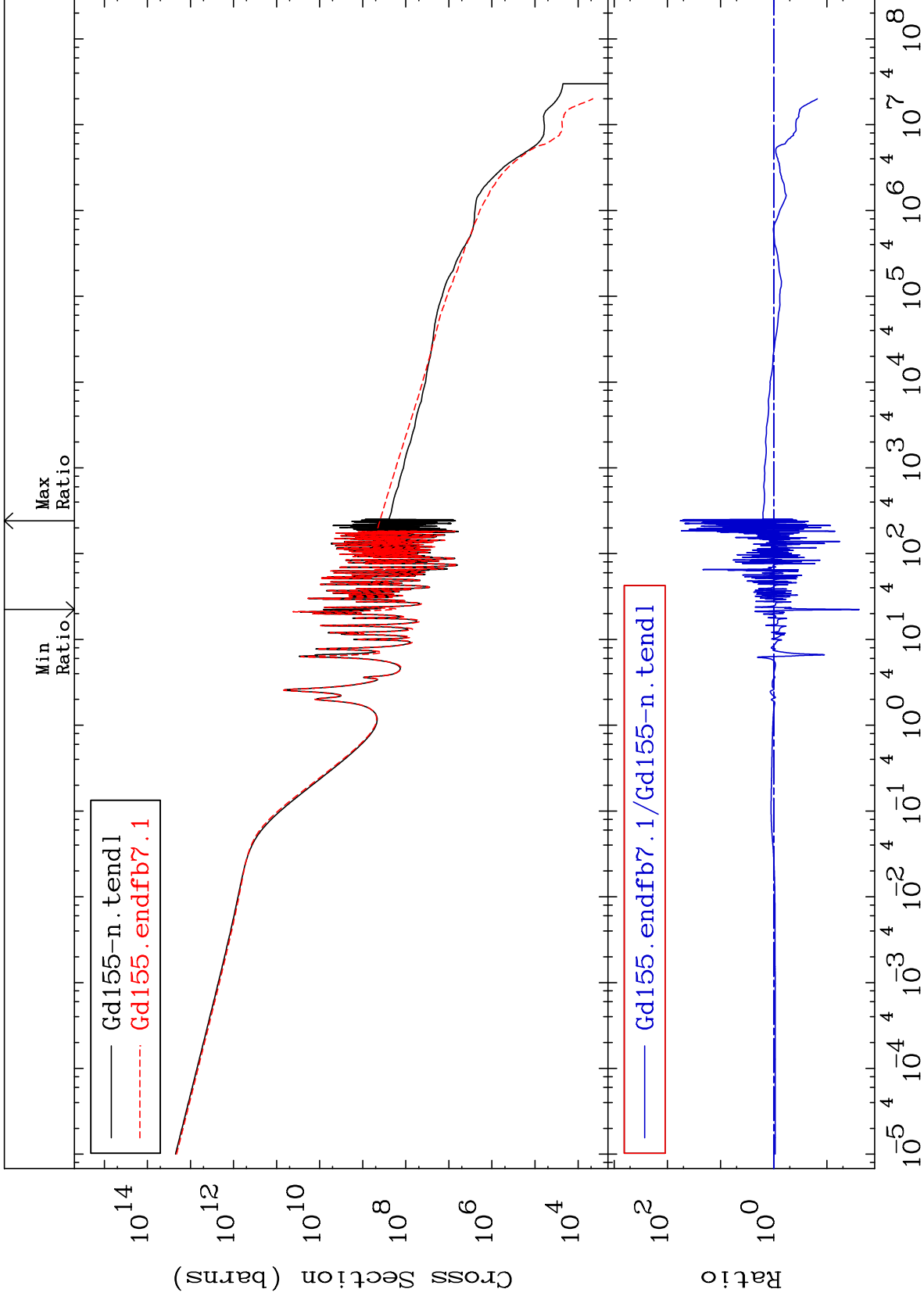


MAT 6434

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

64-Gd-155  
-81.09 To 143.8 %



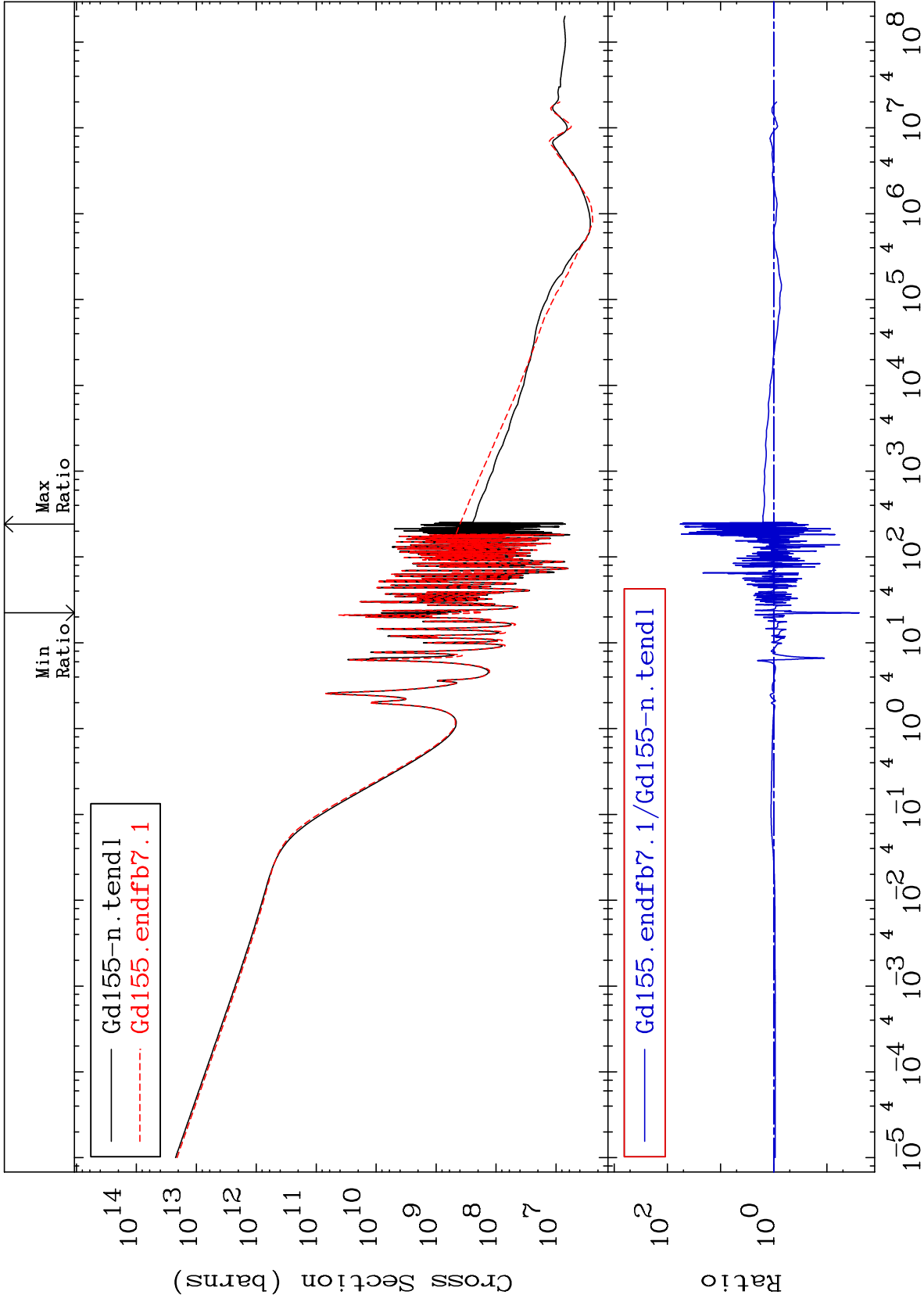


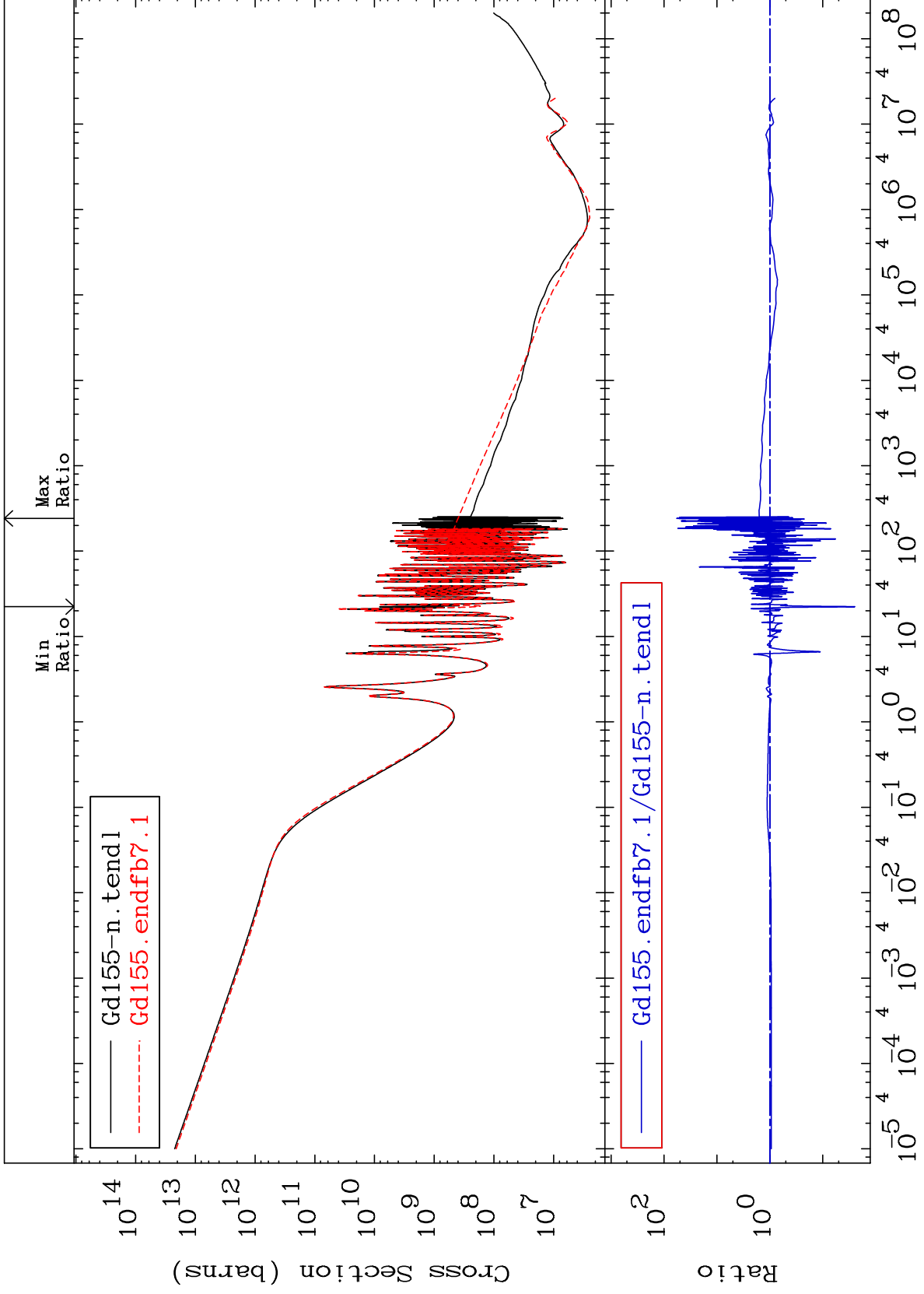
MAT 6434

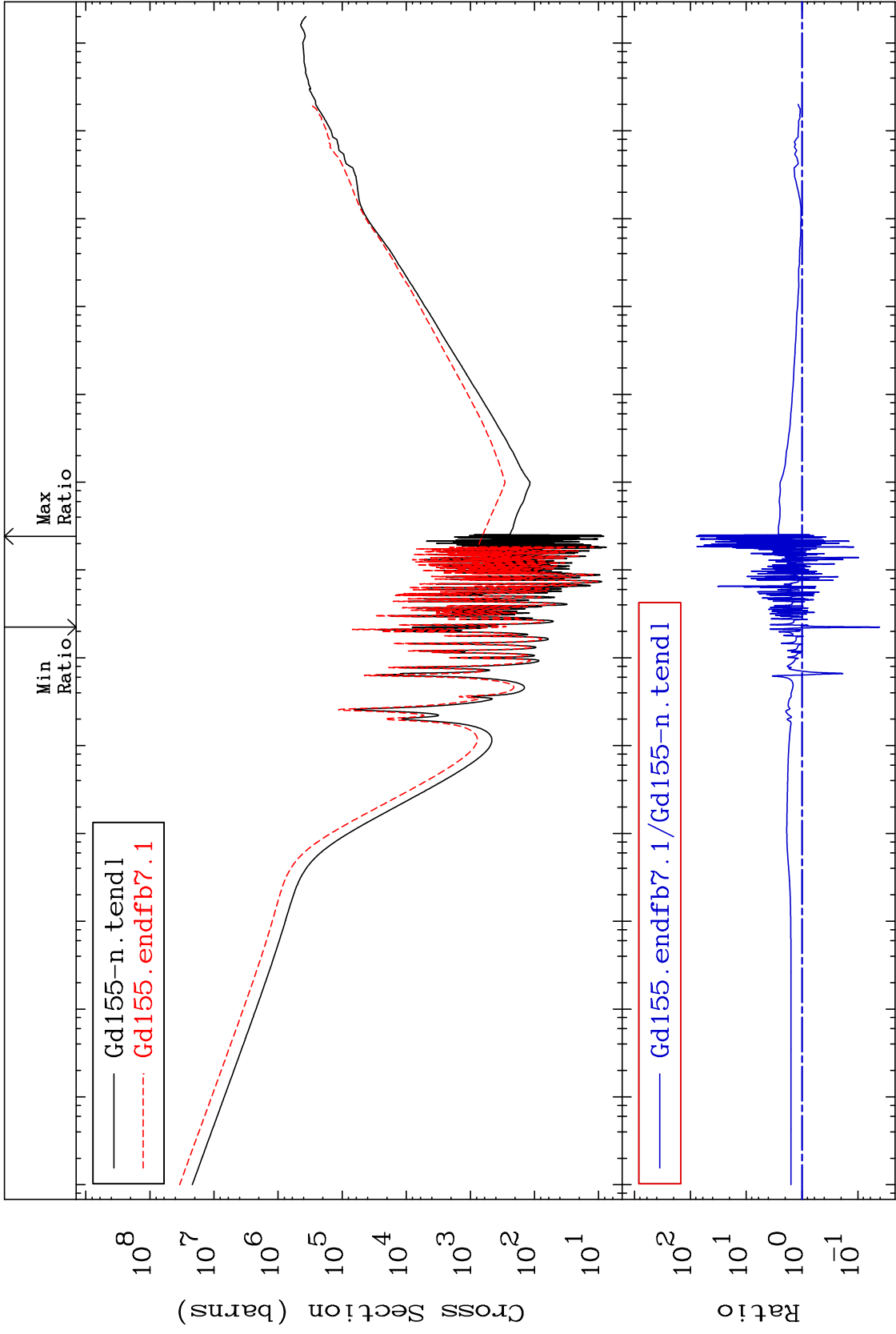
Total photon (eV-barns)  
Cross Section

64-Gd-155

-97.54 To 5592. %



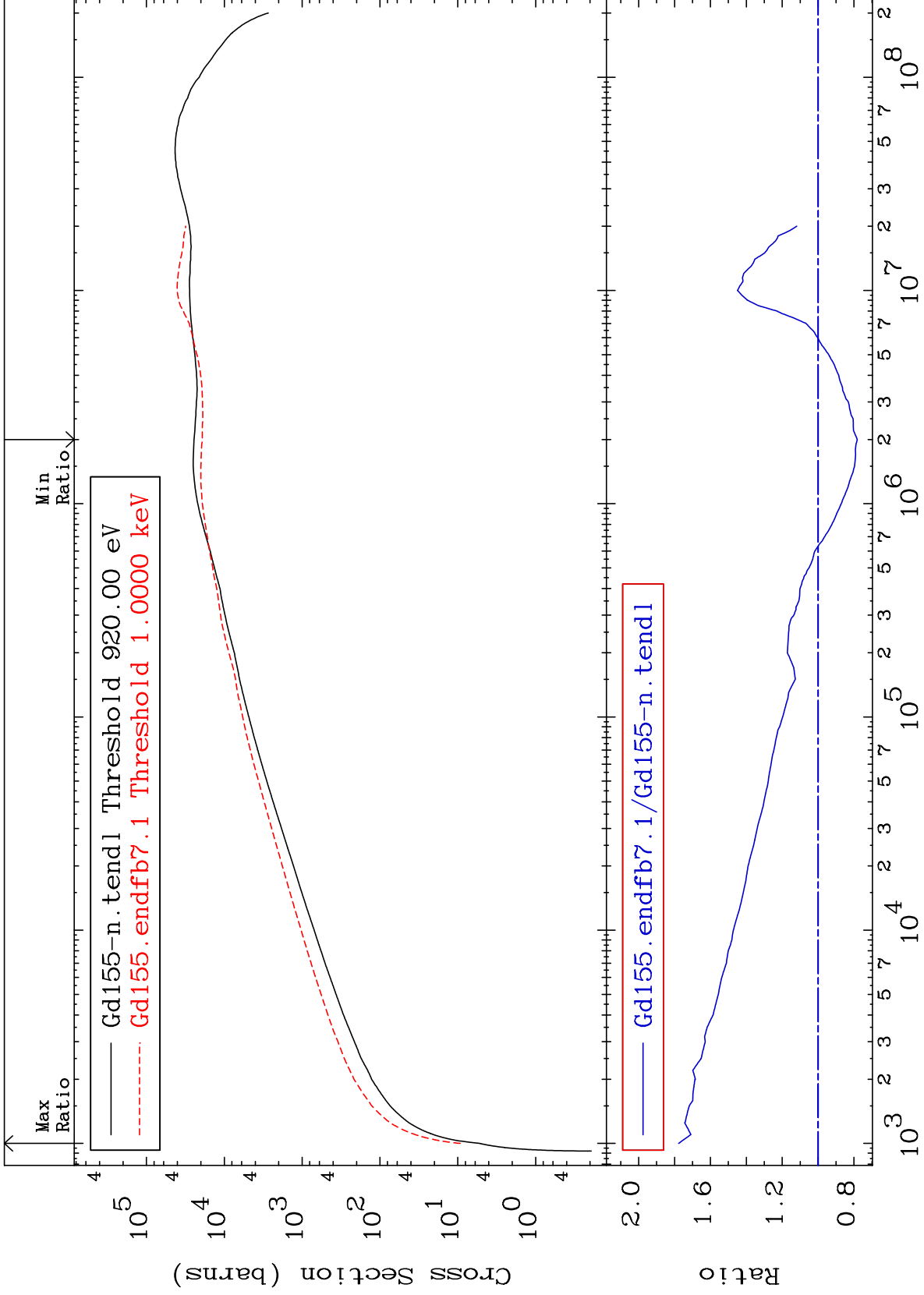




MAT 6434

Dpa elastic (mt2)  
Cross Section

64-Gd-155  
-21.81 To 77.72 %



55

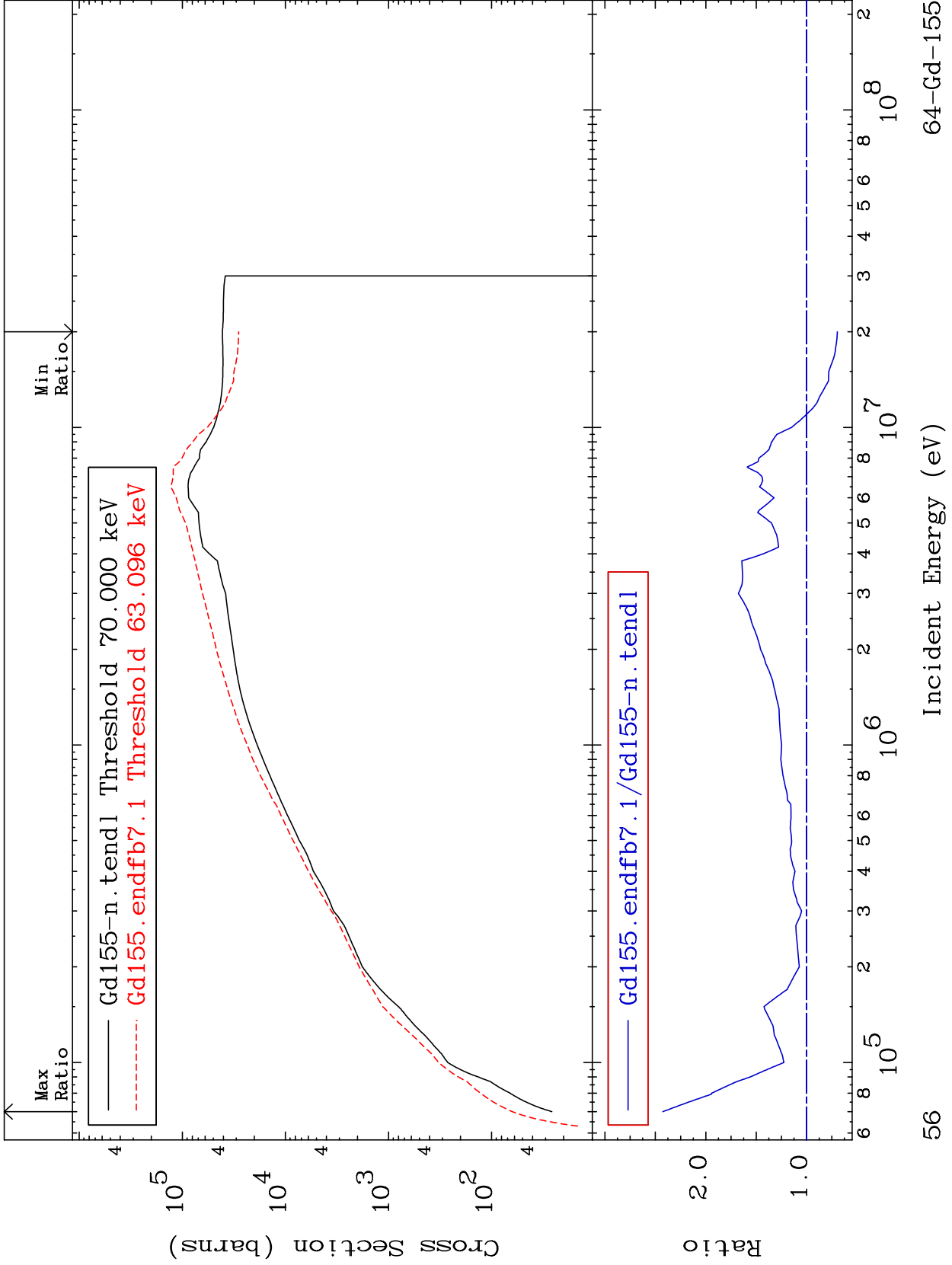
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-155  
-30.39 To 142.6 %





MAT 6434

Dpa disappearance (mt102 -120)  
Cross Section

64-Gd-155  
-95.90 To 7745. %

