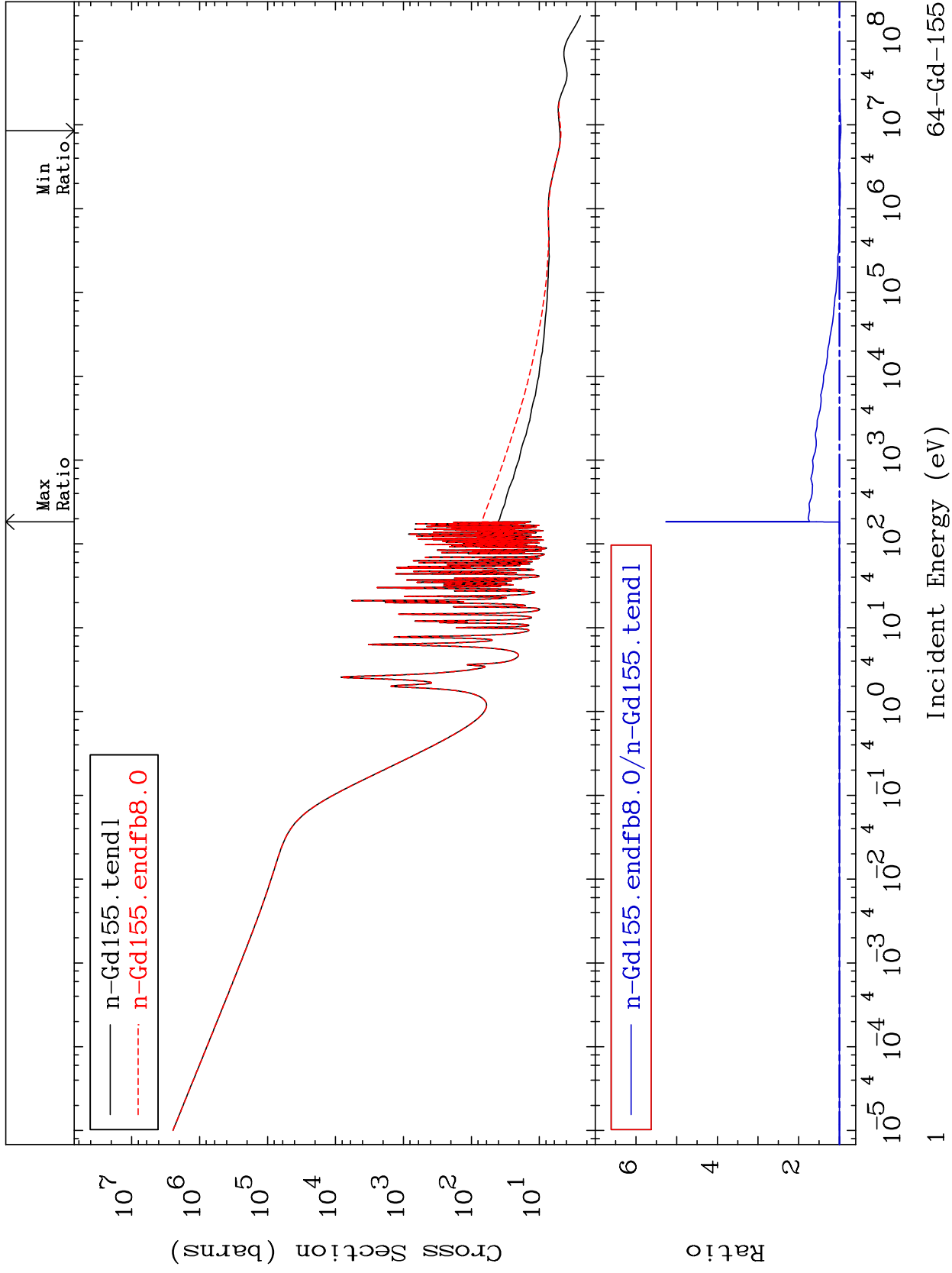


MAT 6434

Total Cross Section
64-Gd-155
-3.301 To 426.2 %



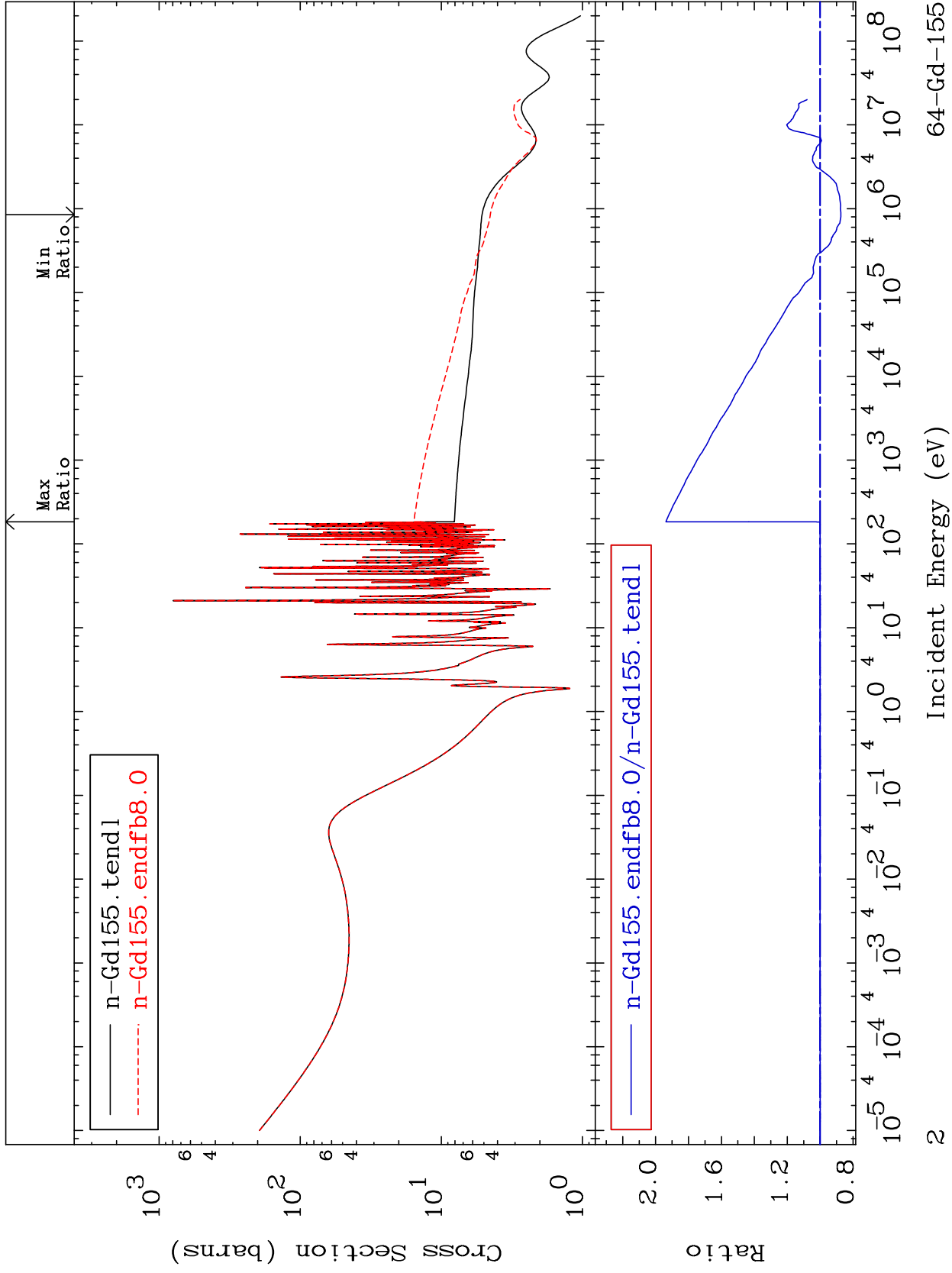
MAT 6434

Elastic

64-Gd-155

Cross Section

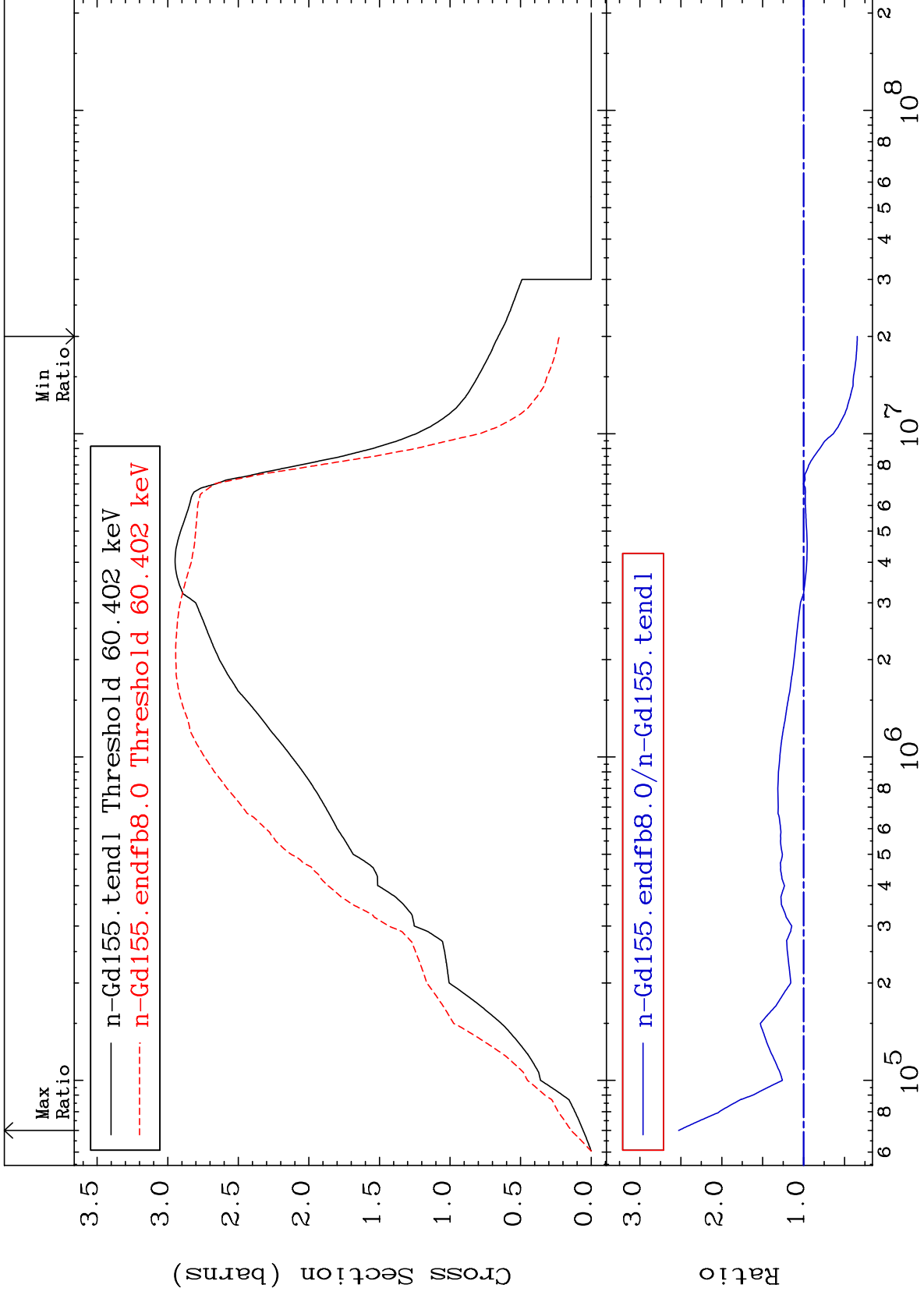
-12.57 To 93.71 %



MAT 6434

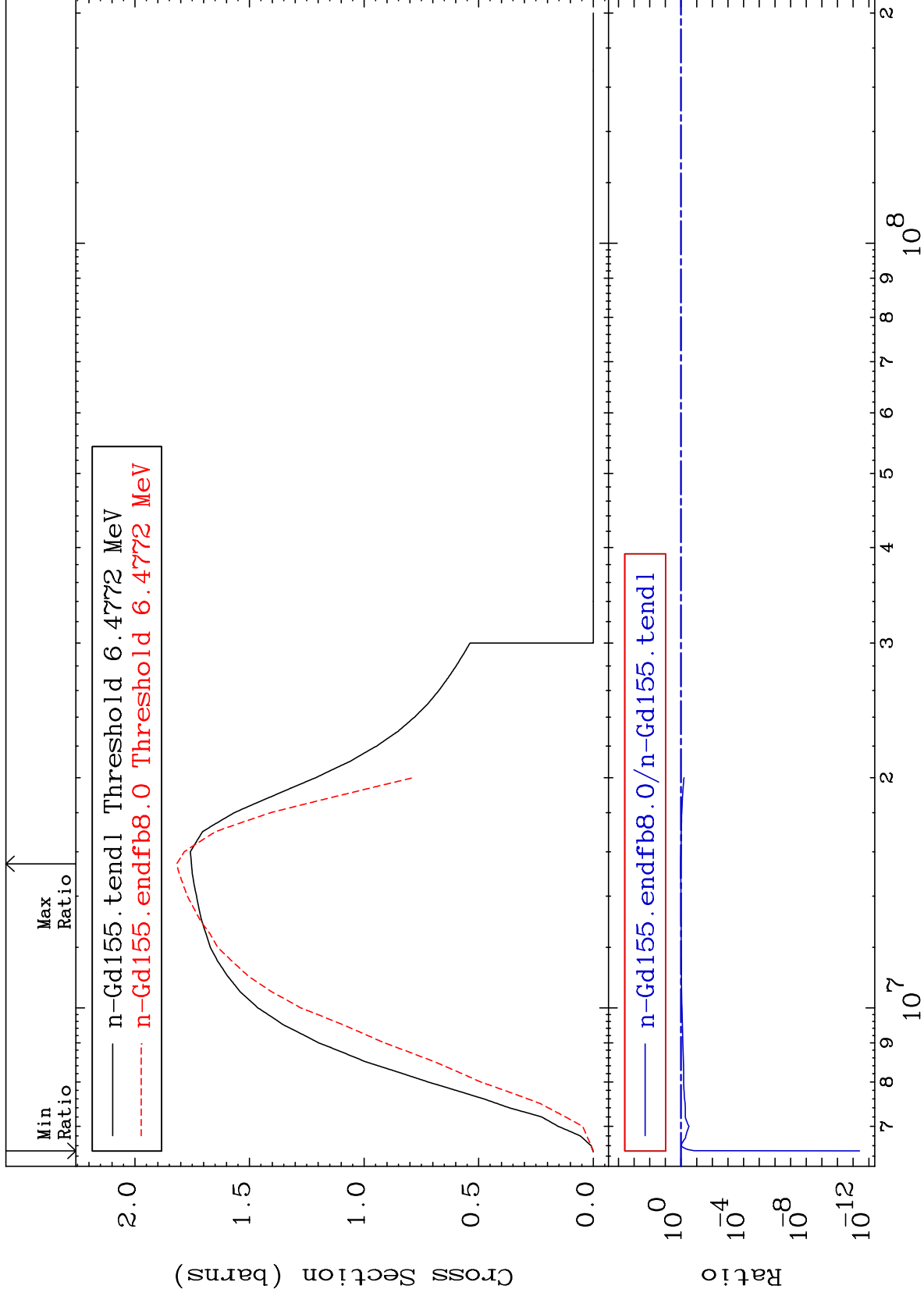
Inelastic
Cross Section

64-Gd-155
-65.54 To 152.7 %



MAT 6434

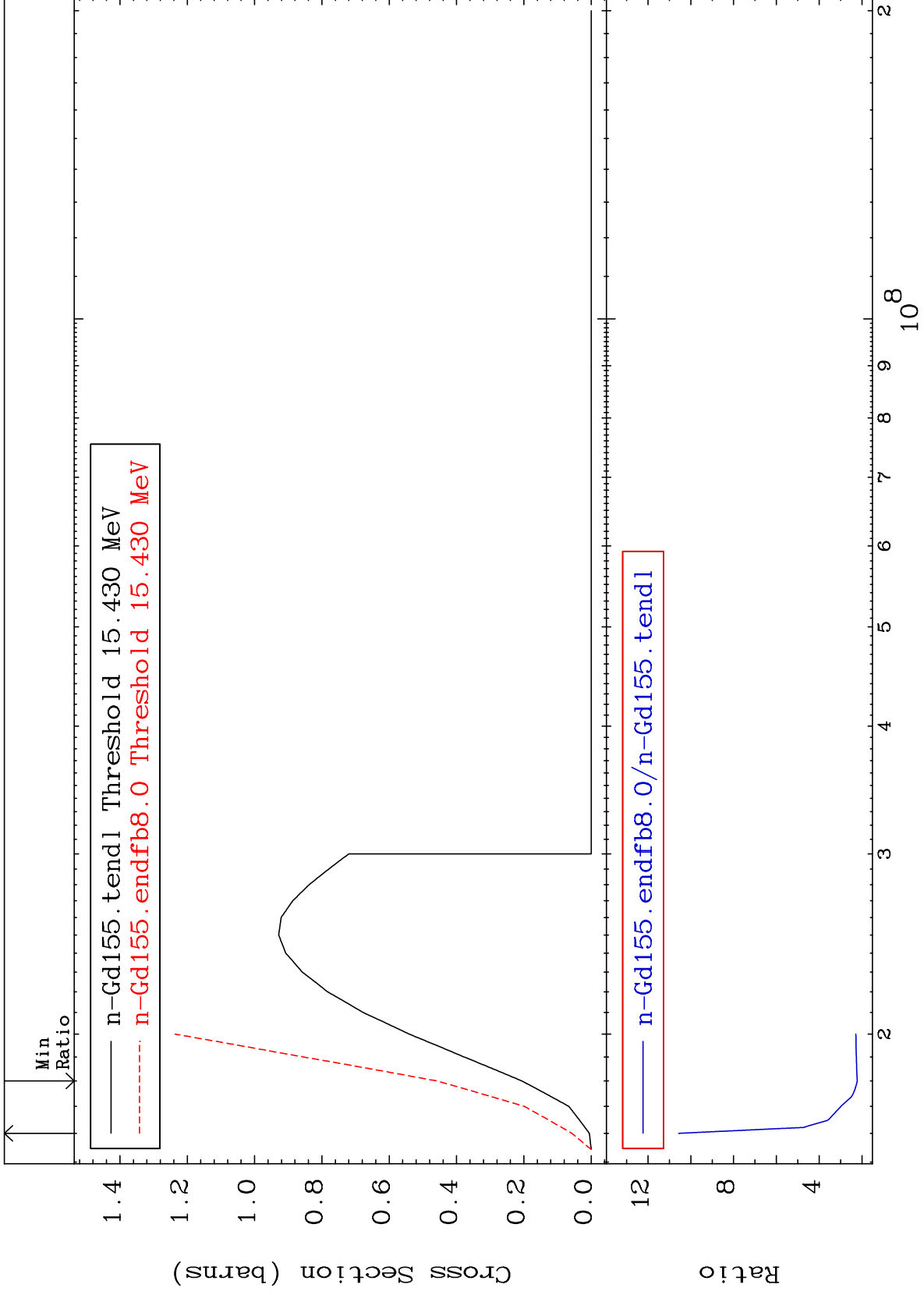
(n,2n) Cross Section
64-Gd-155
-100.0 To 3.662 %



MAT 6434

(n,3n)
Cross Section

64-Gd-155
122.3 To 956.7 %



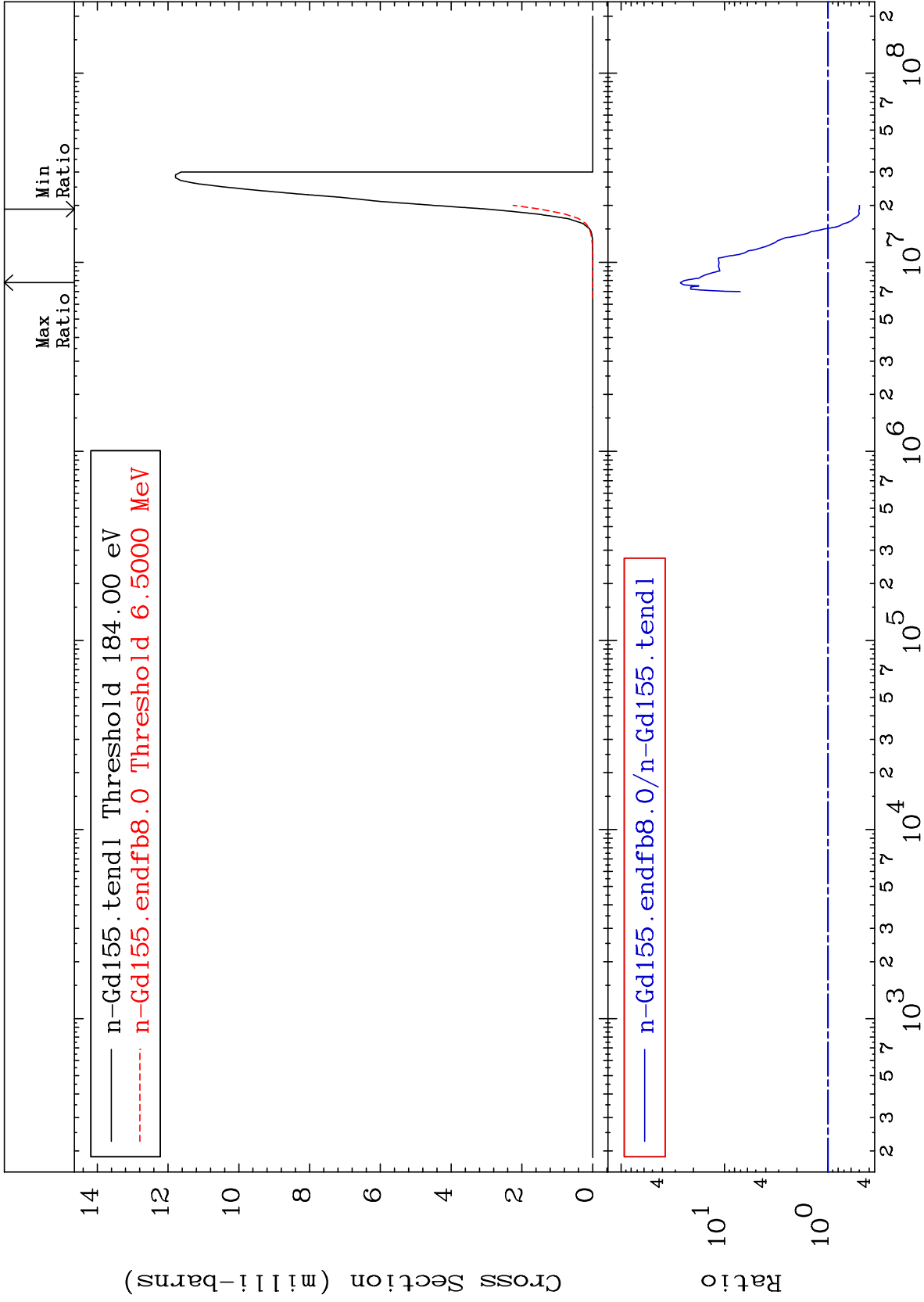
MAT 6434

(n,n') α

64-Gd-155

Cross Section

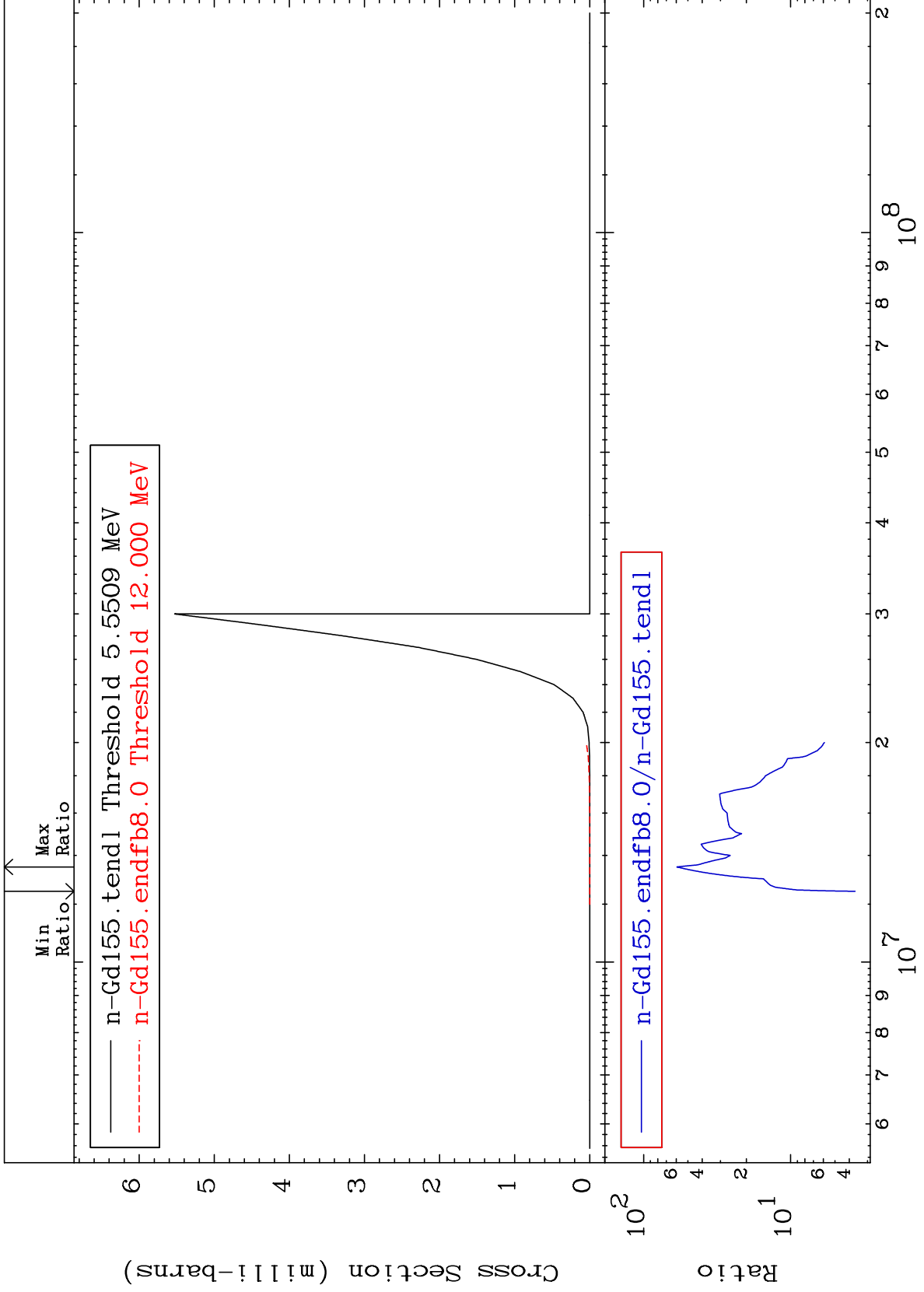
-50.27 To 2576. %



MAT 6434

(n,2n) α
Cross Section

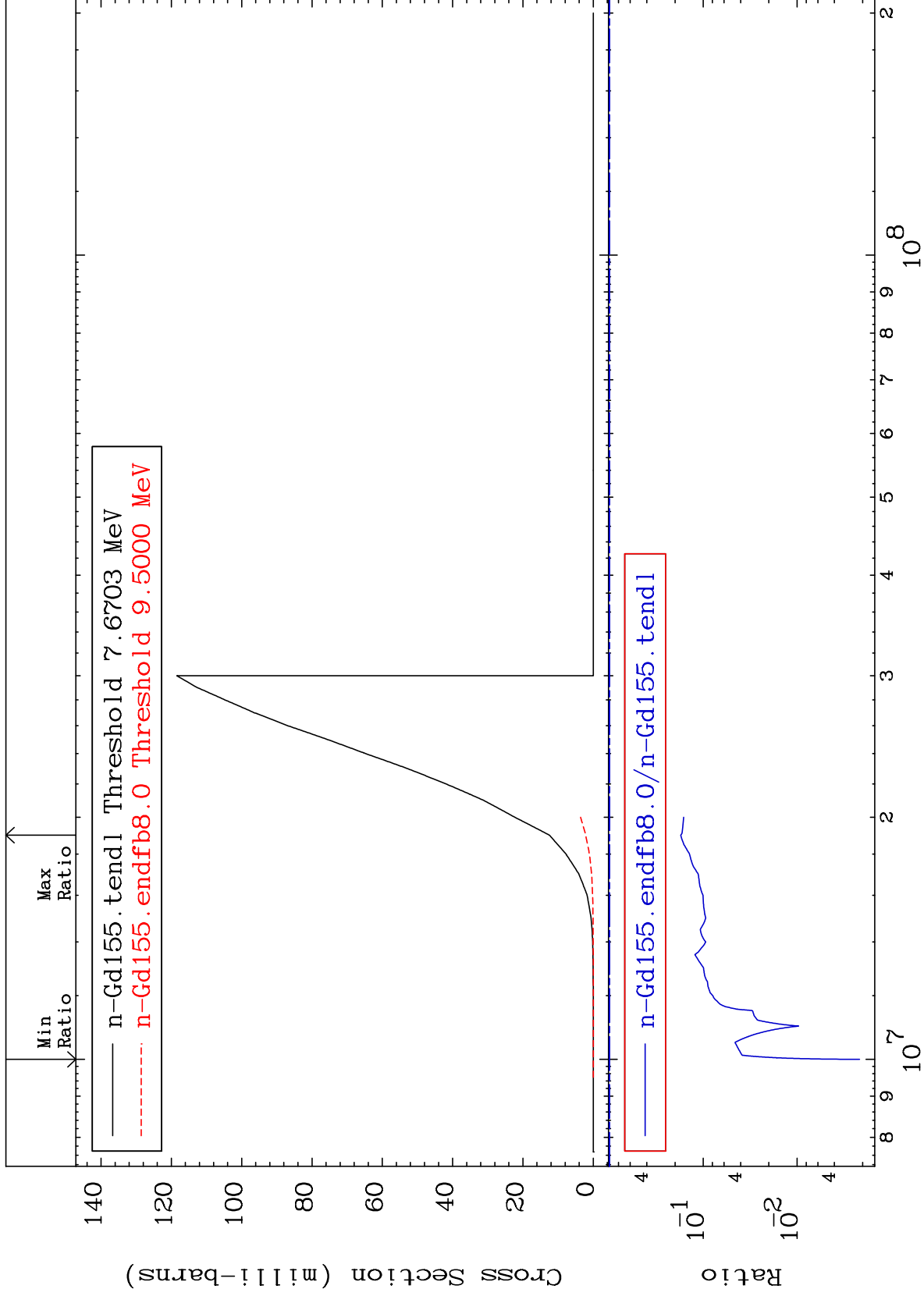
64-Gd-155
264.7 To 5836. %



MAT 6434

(n,n') p
Cross Section

64-Gd-155
-99.78 To -82.64%



8

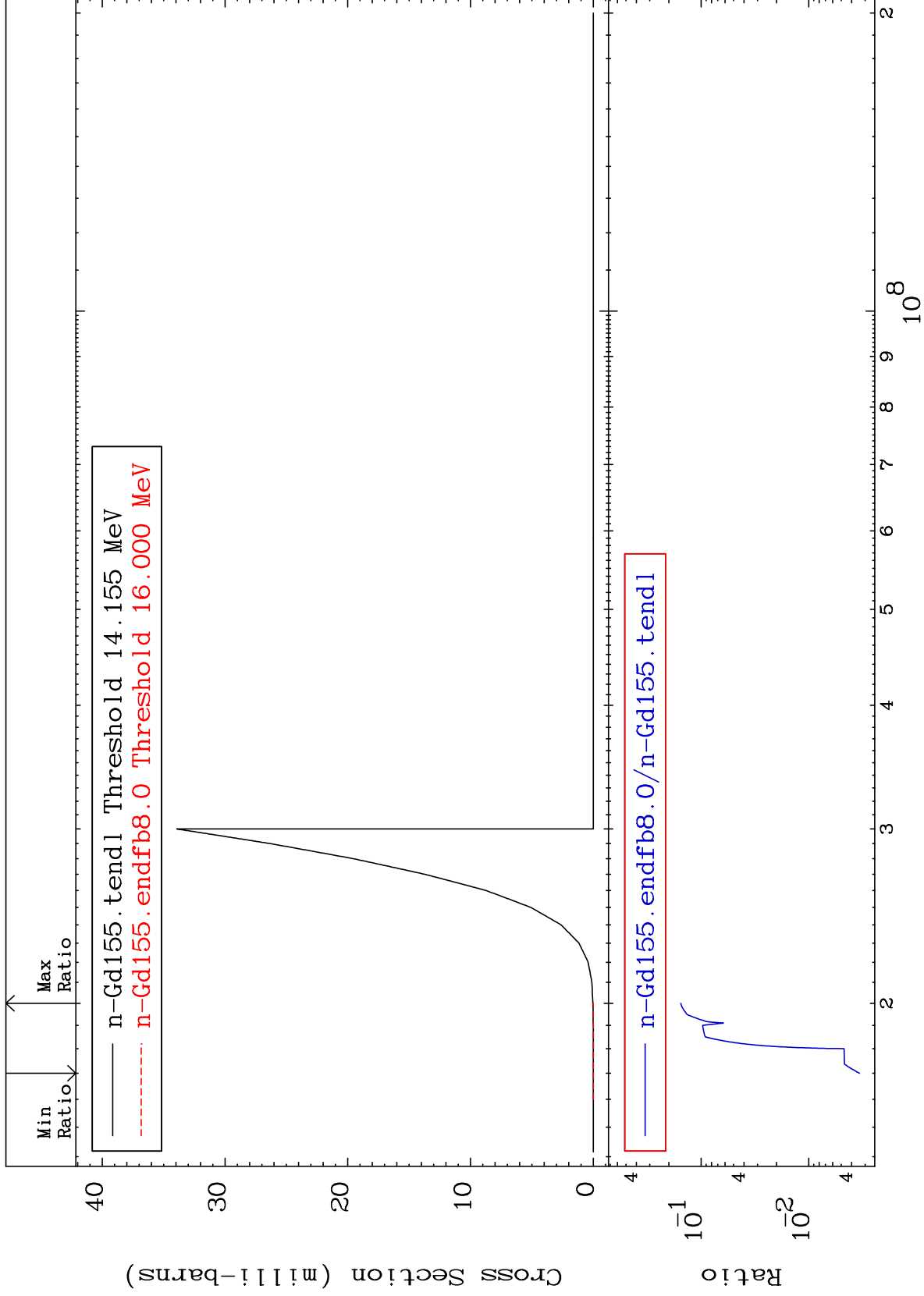
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,2n) p
Cross Section

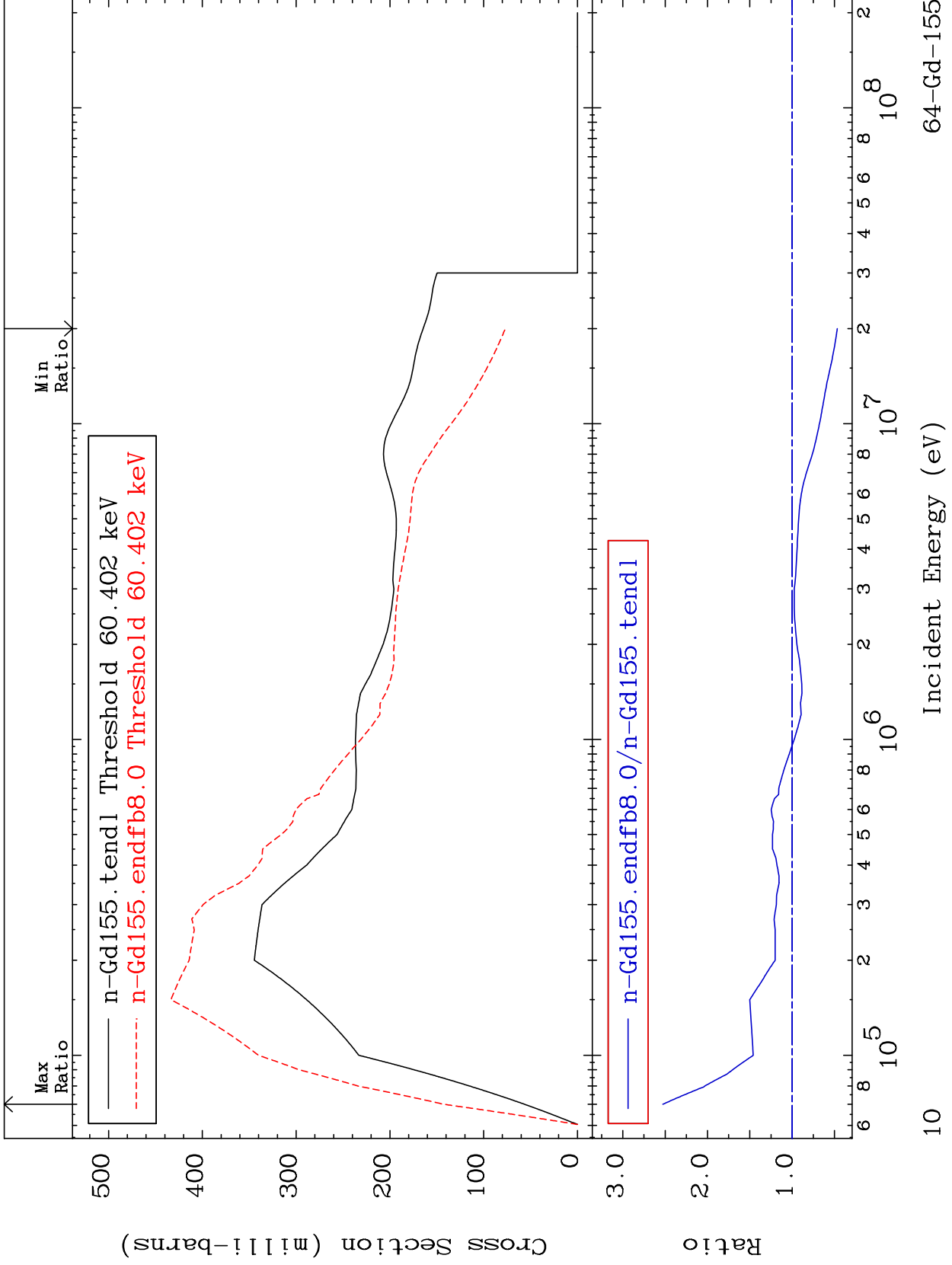
64-Gd-155
-99.66 To -84.53%



MAT 6434

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

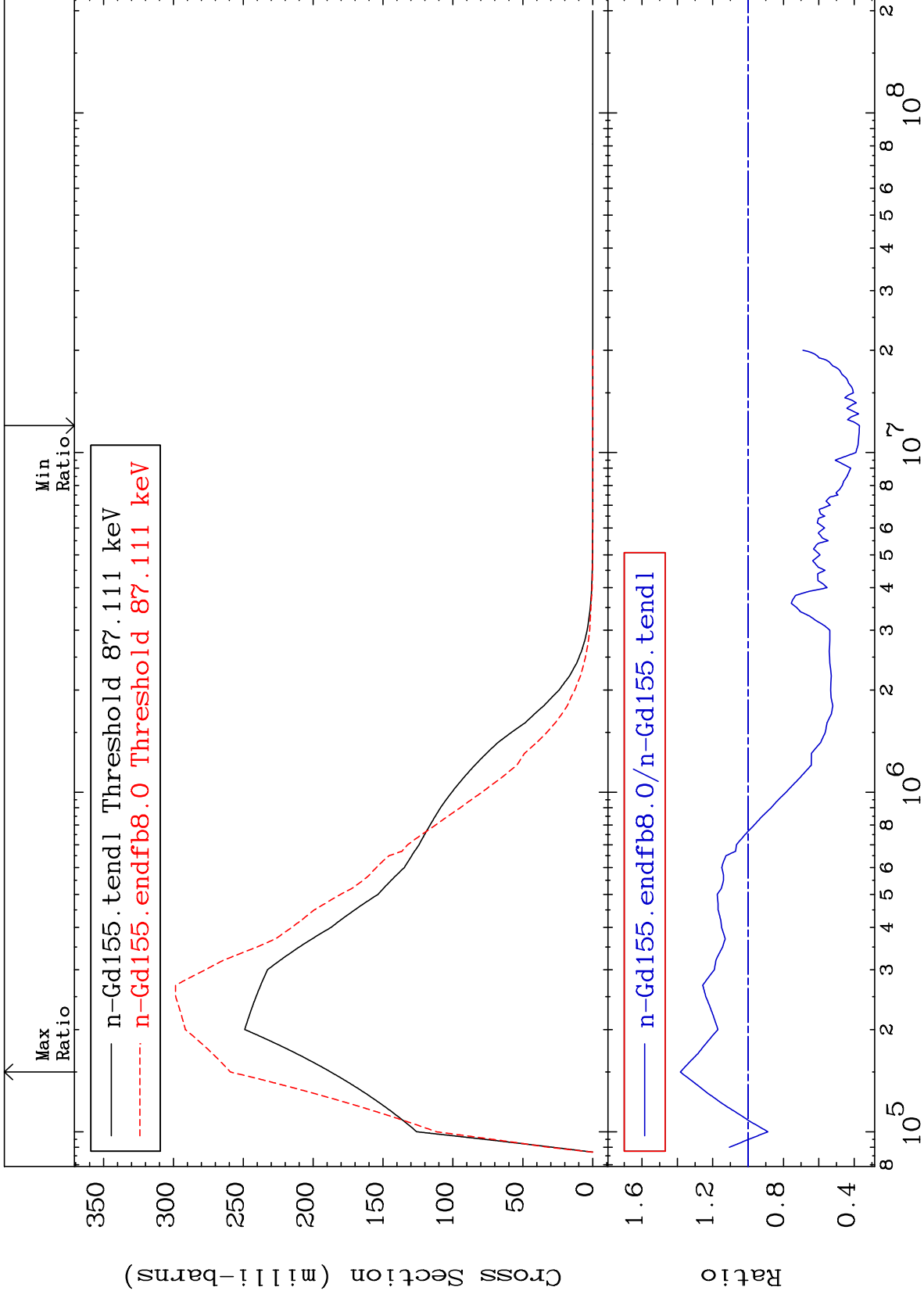
64-Gd-155
-53.31 To 152.7 %



MAT 6434

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

64-Gd-155
-62.96 To 38.29 %



11

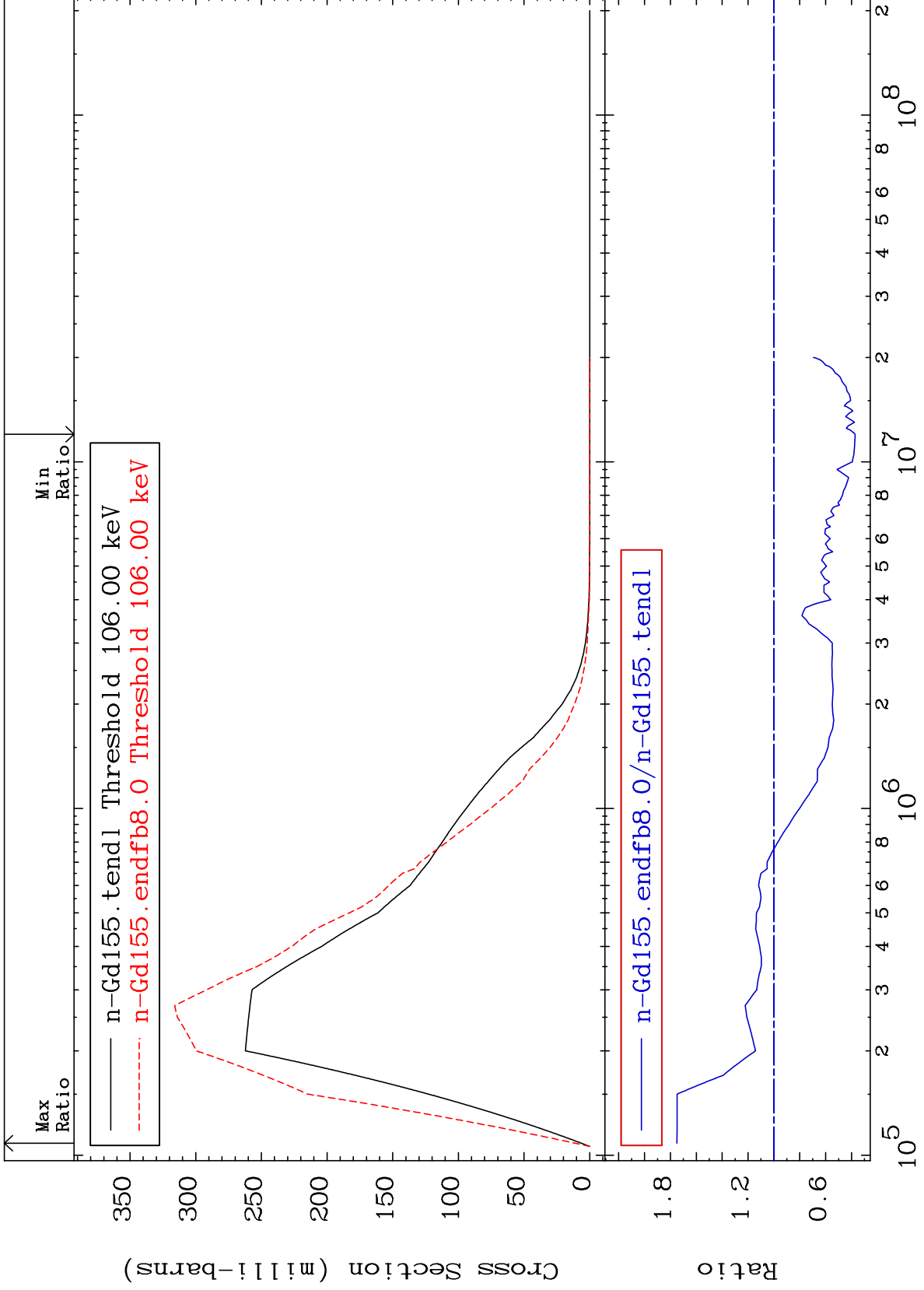
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-62.75 To 74.98 %



12

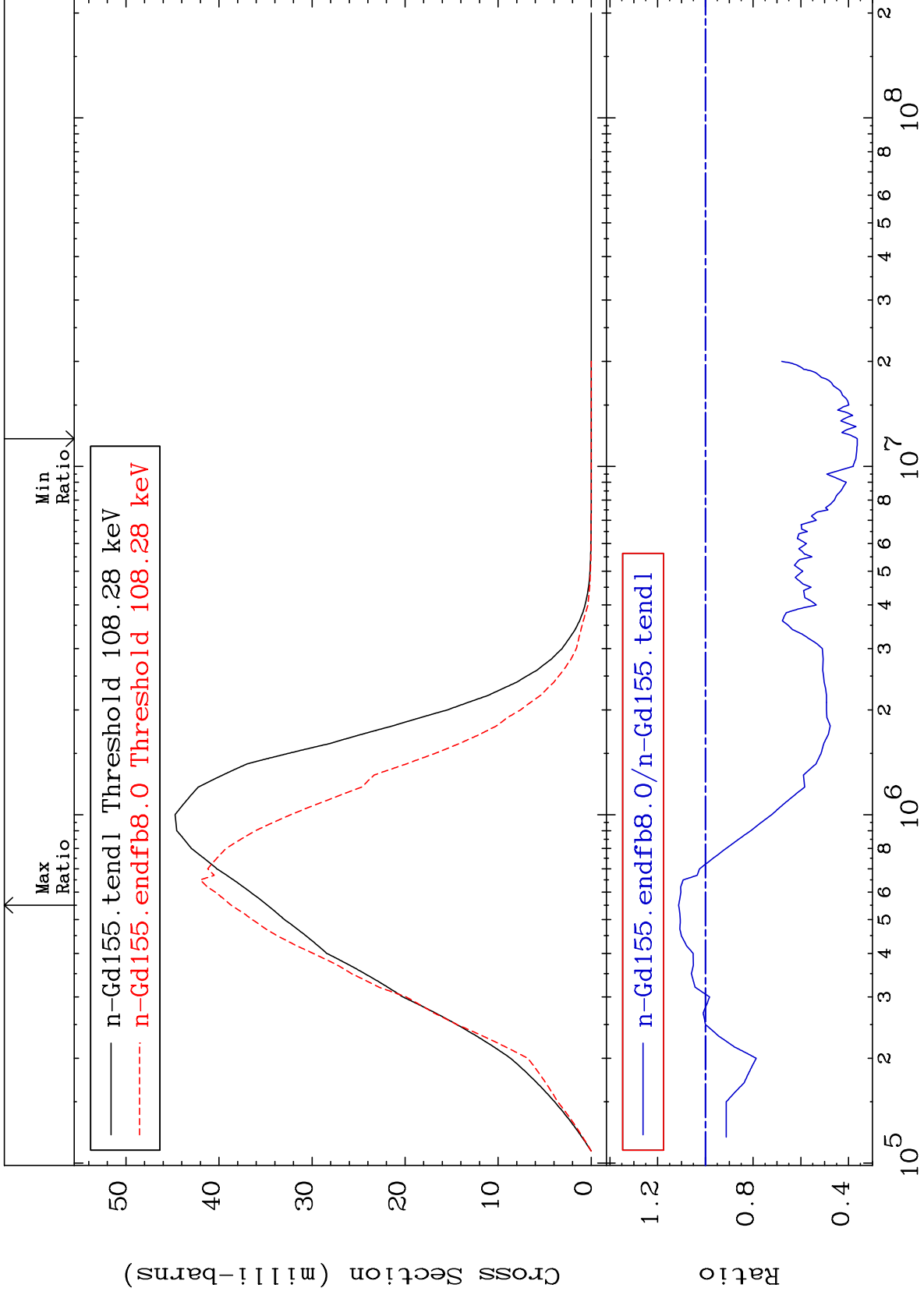
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-63.65 To 11.21 %



13

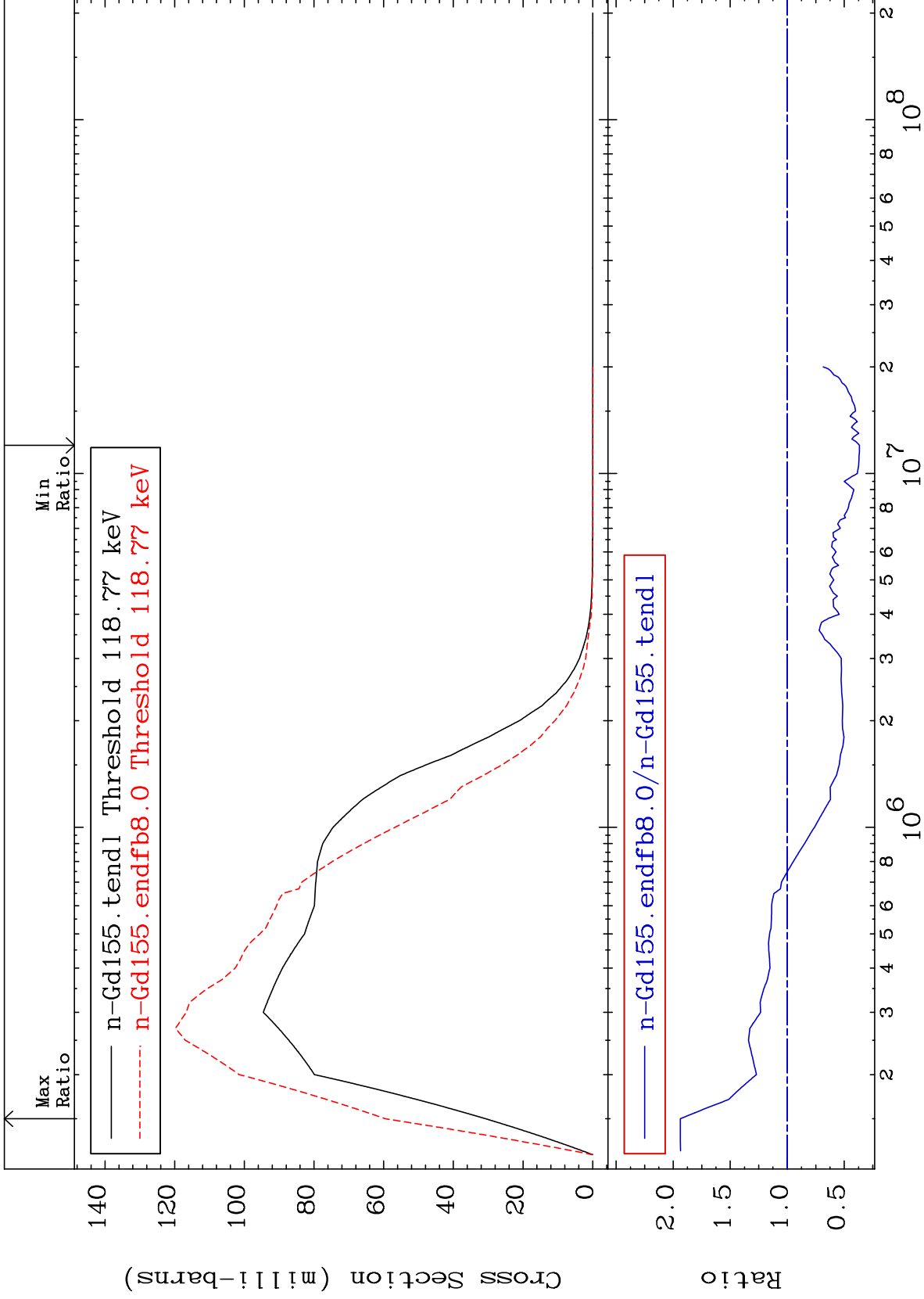
Incident Energy (eV)

64-Gd-155

MAT 6434

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

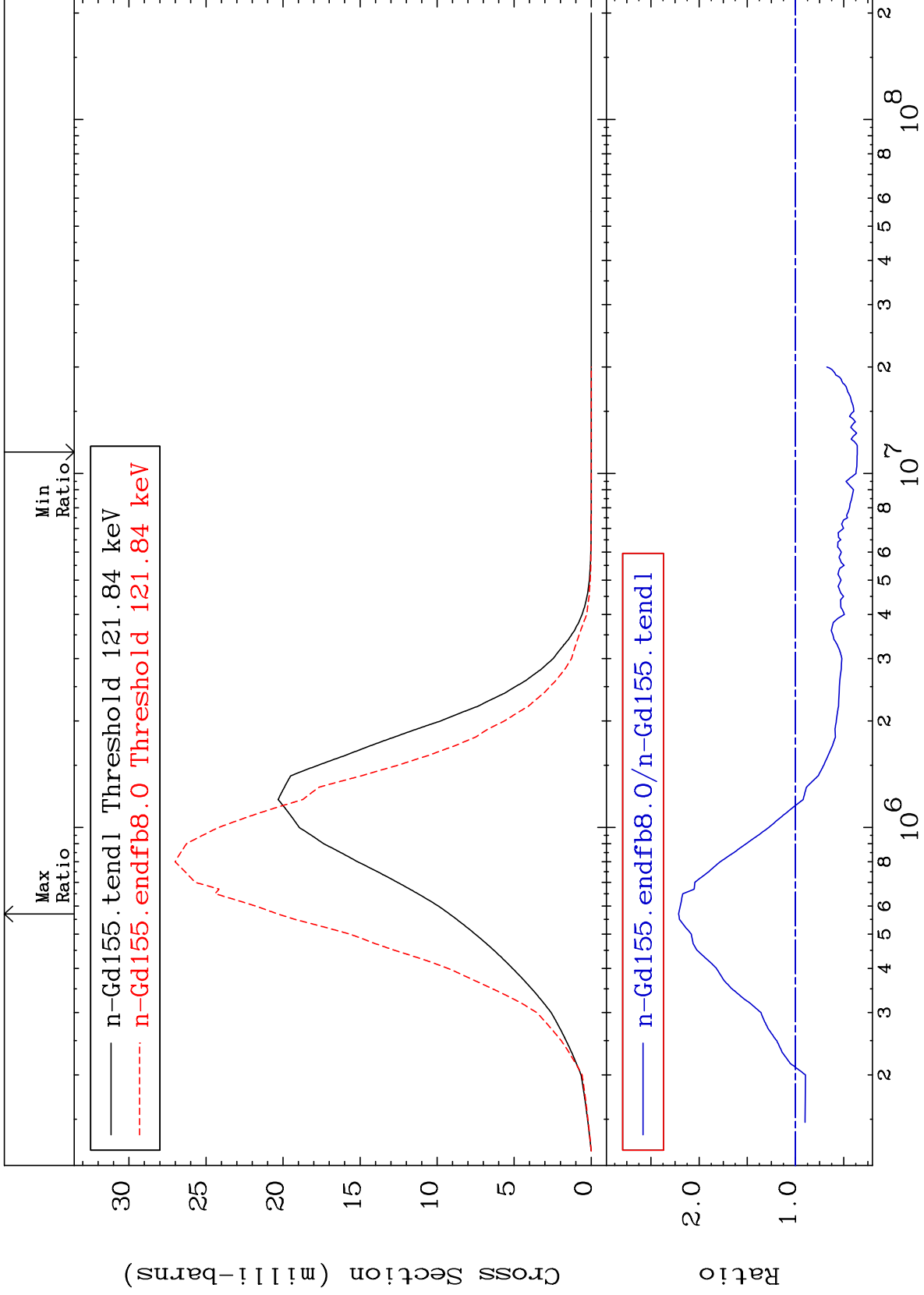
64-Gd-155
-63.28 To 93.71 %



MAT 6434

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

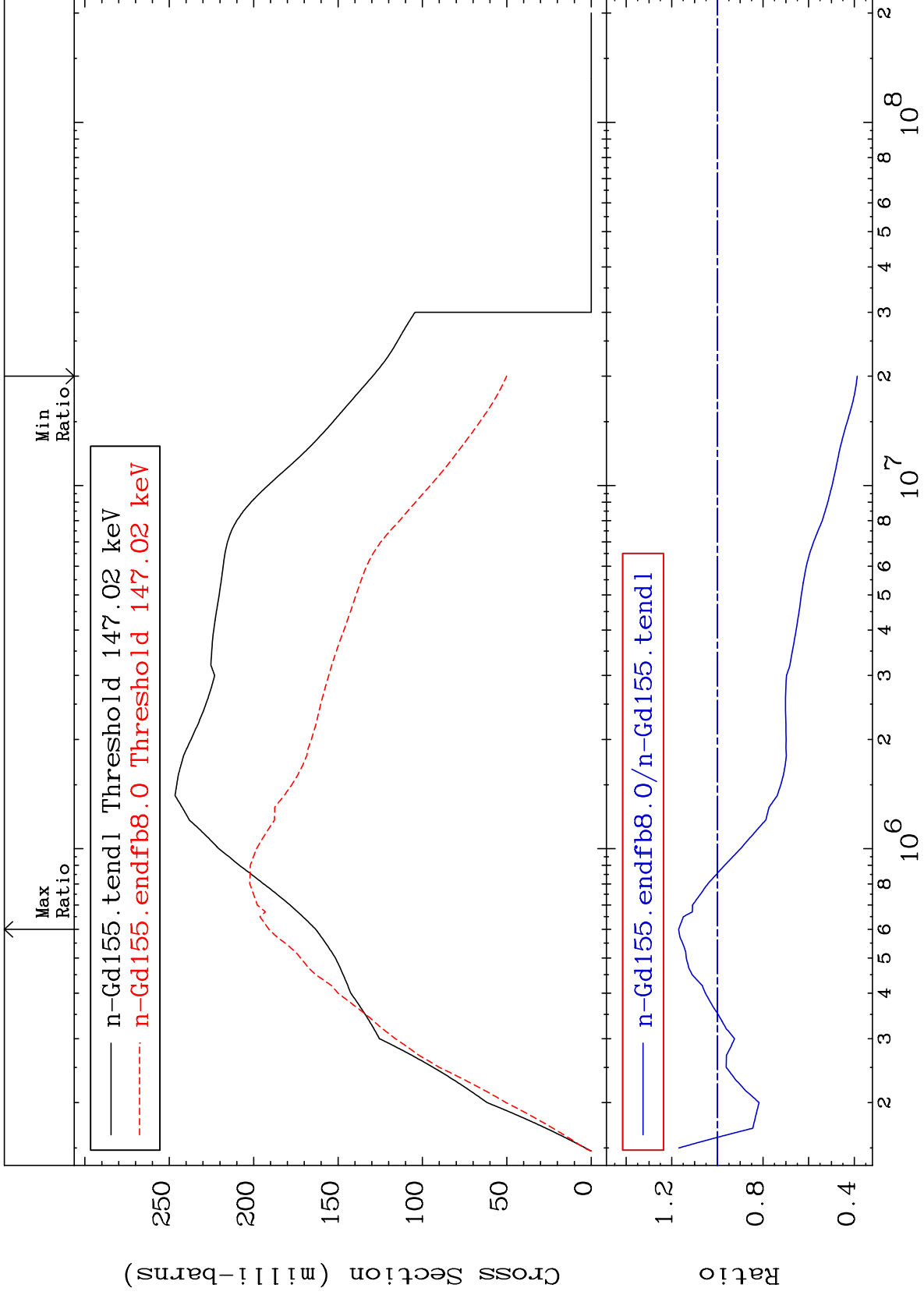
64-Gd-155
-64.03 To 121.2 %



MAT 6434

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

64-Gd-155
-61.29 To 17.00 %



16

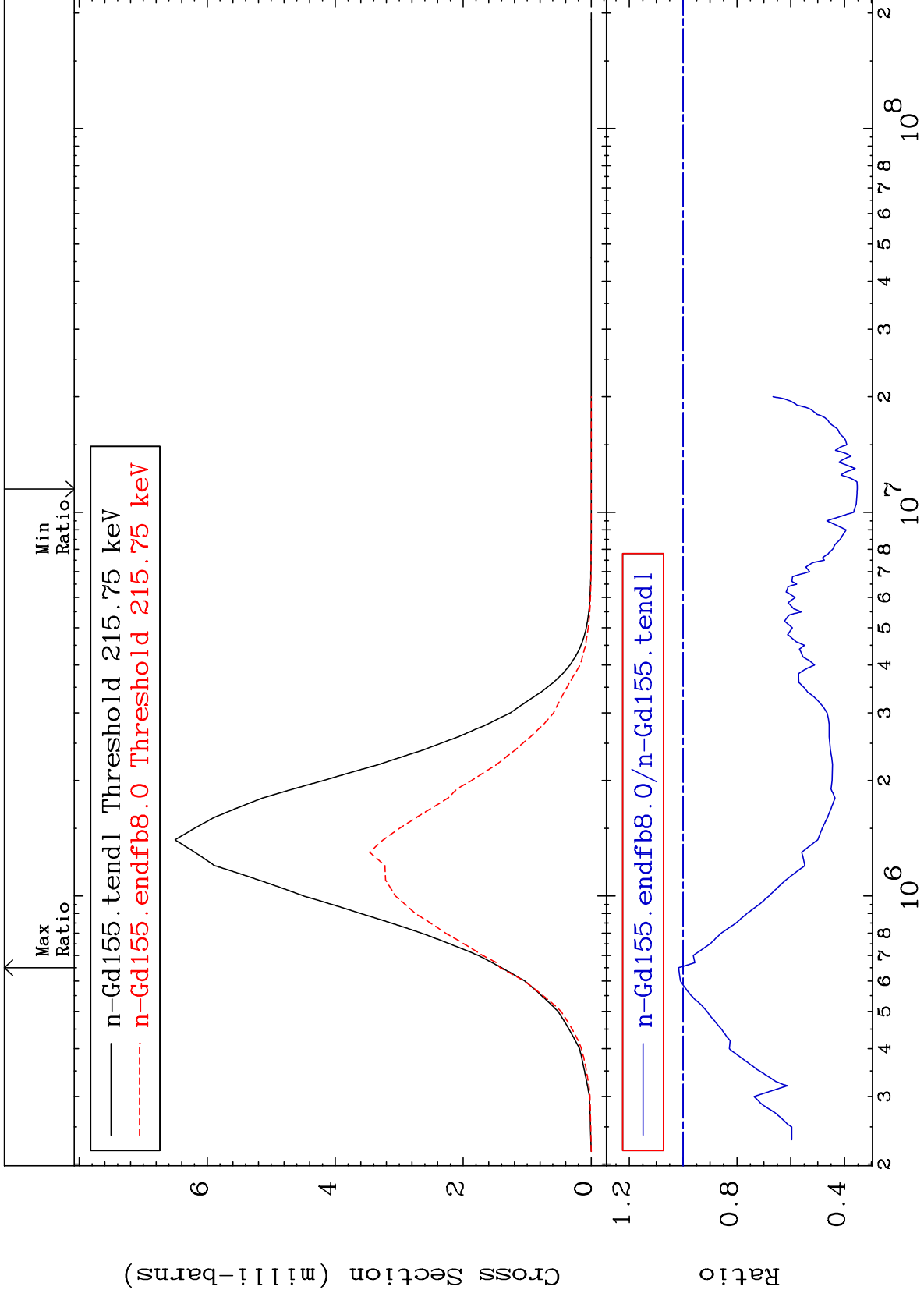
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-64.71 To 1.680 %



17

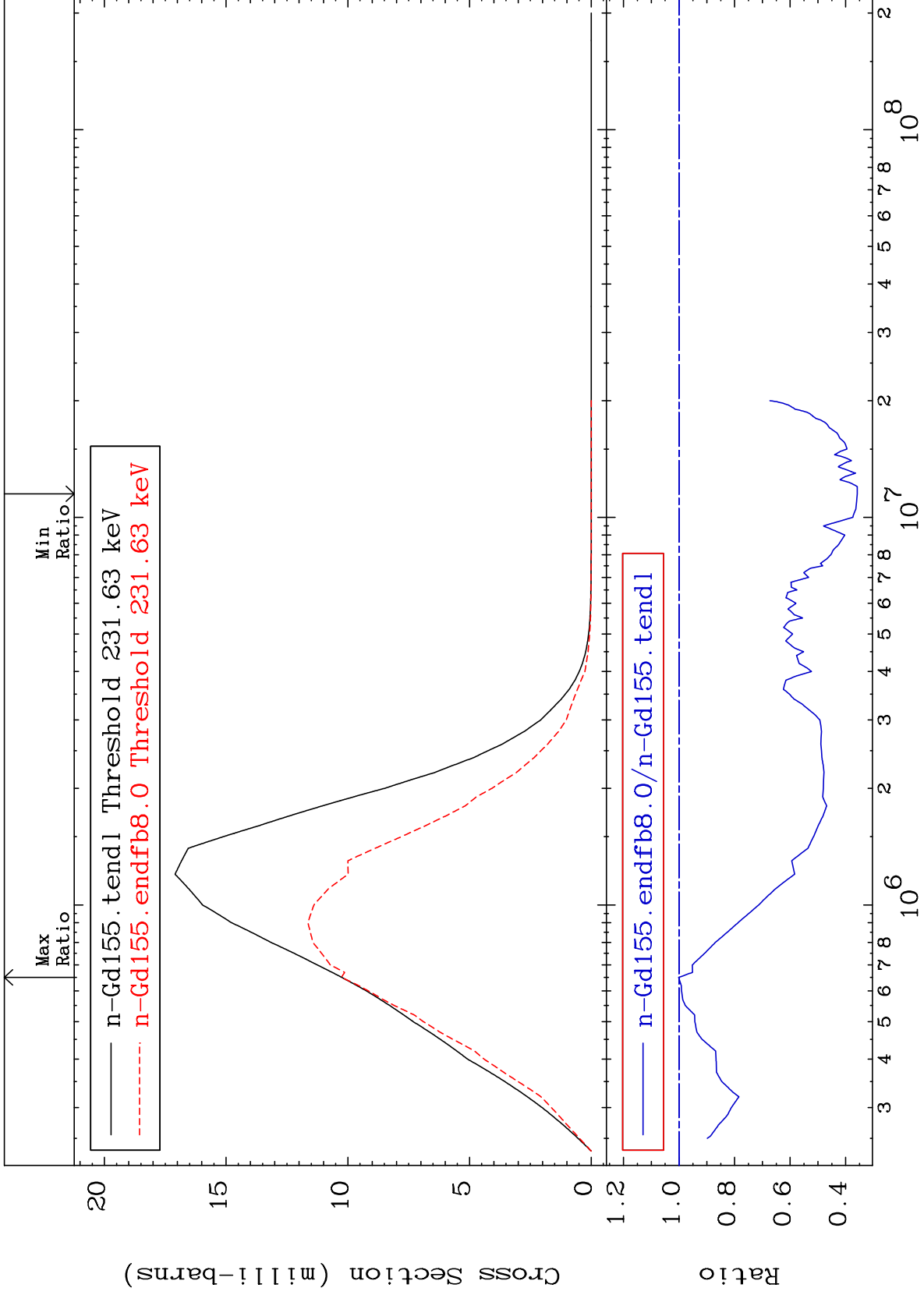
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-64.17 To 0.152 %



18

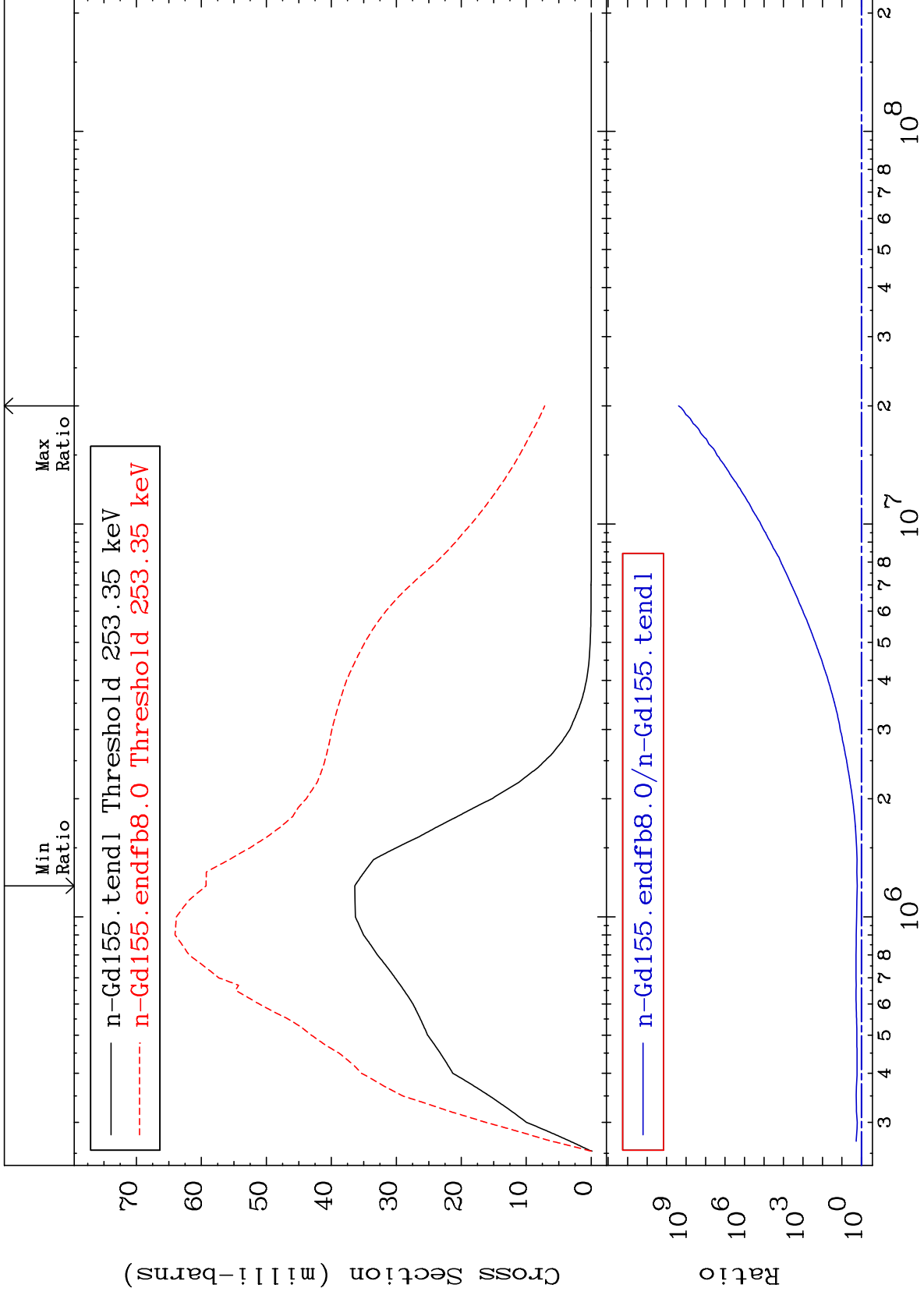
Incident Energy (eV)

64-Gd-155

MAT 6434

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

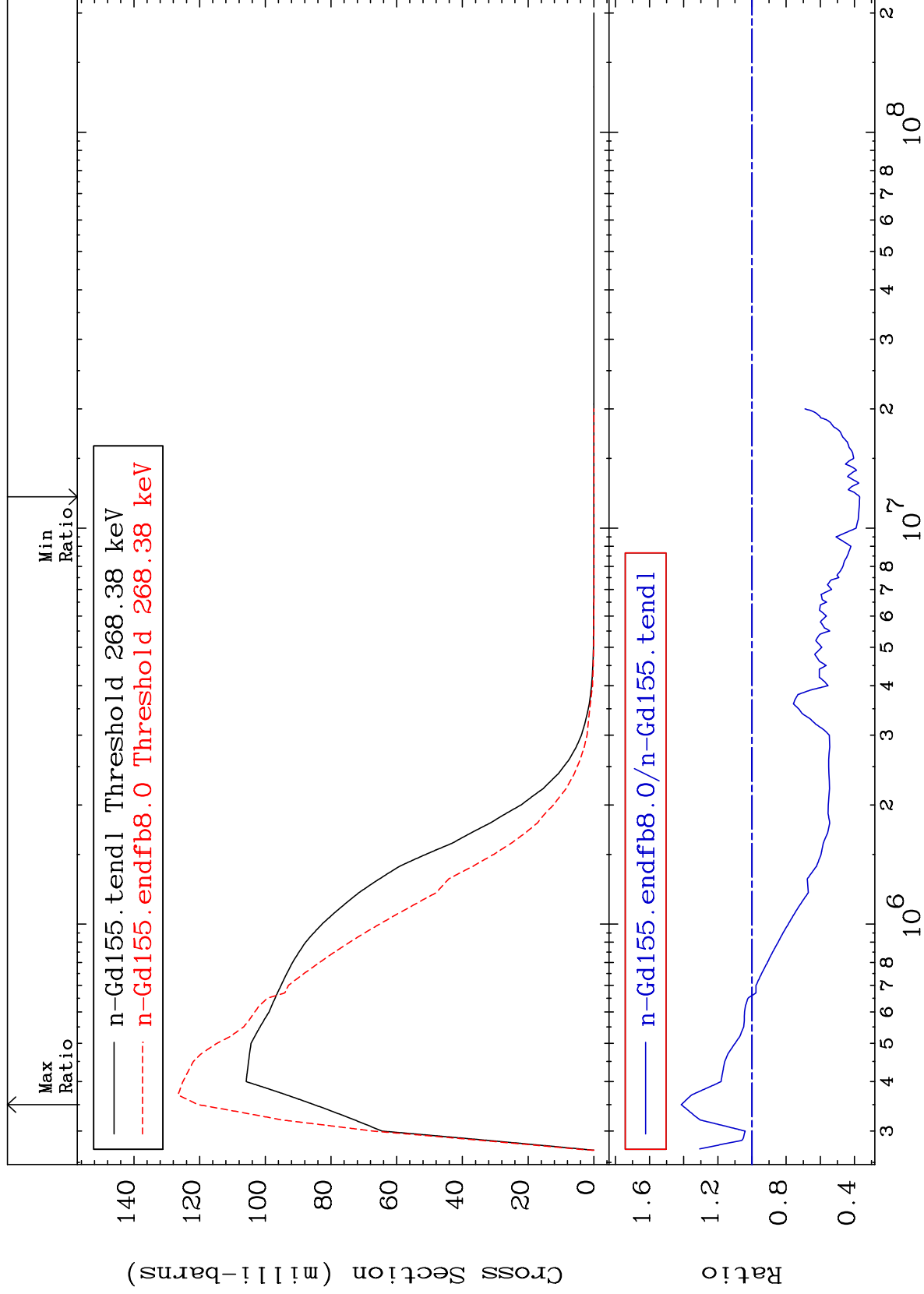
64-Gd-155
62.82 To 9999. %



MAT 6434

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

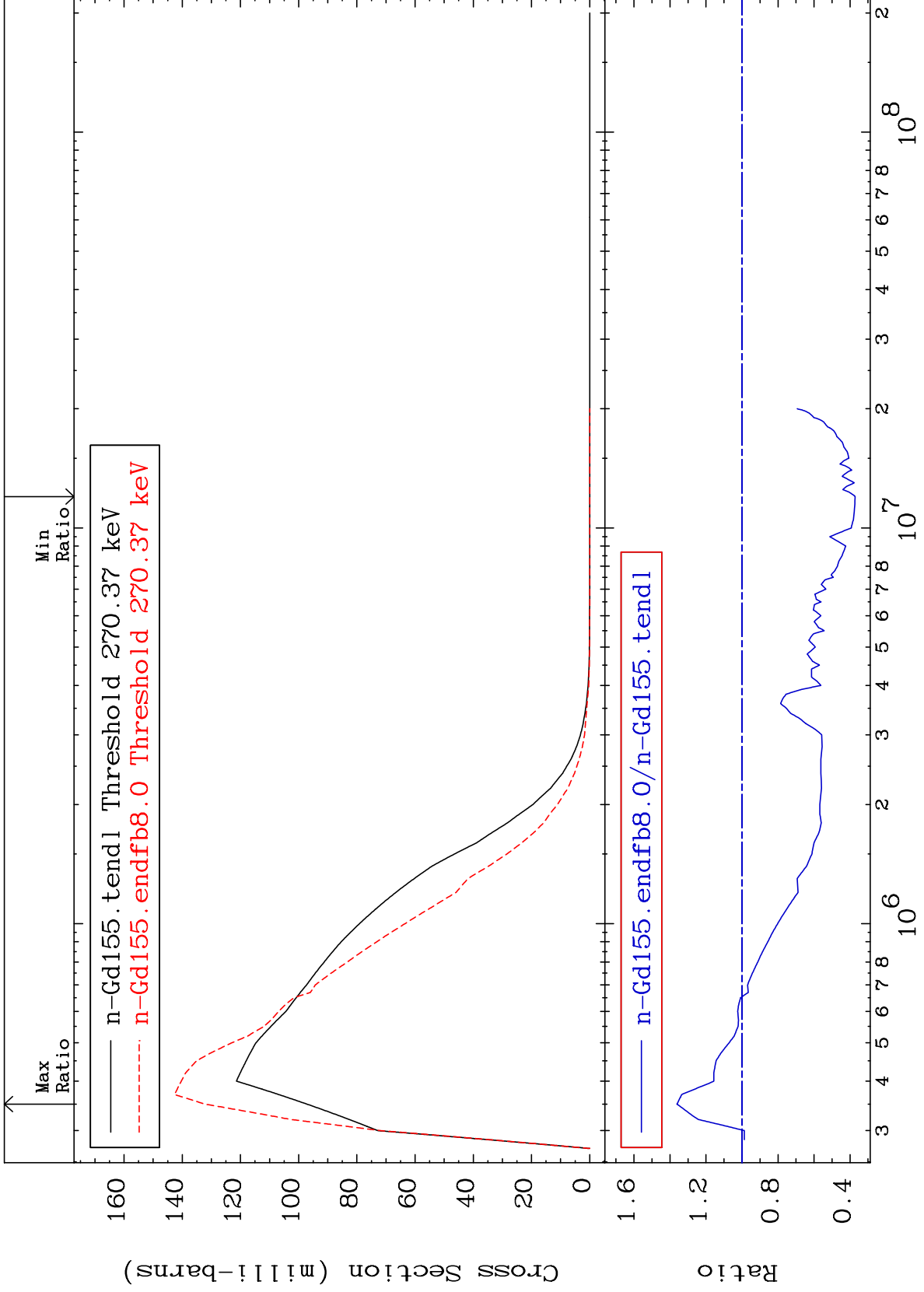
64-Gd-155
-63.02 To 41.48 %



MAT 6434

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

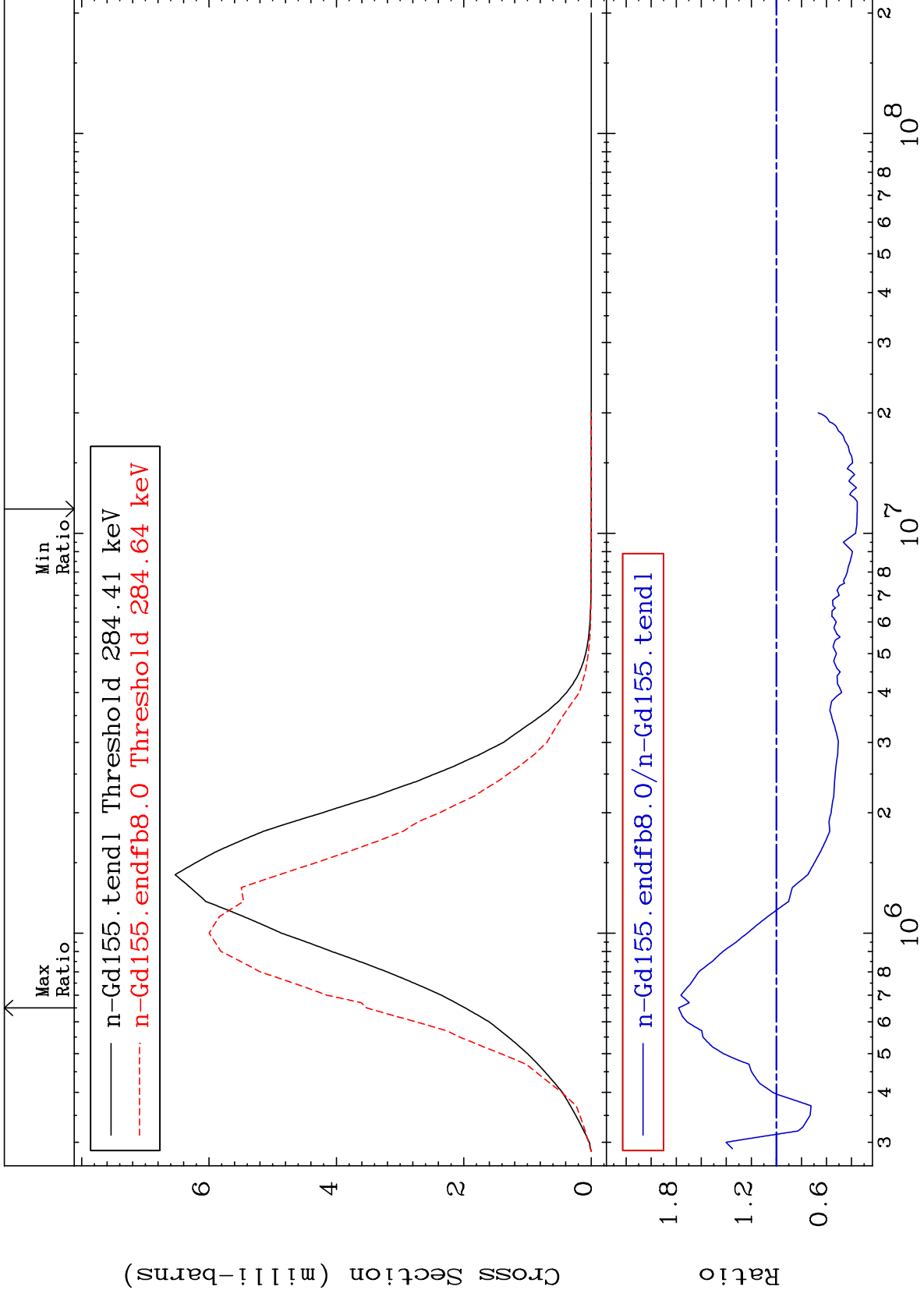
64-Gd-155
-62.80 To 36.15 %



MAT 6434

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

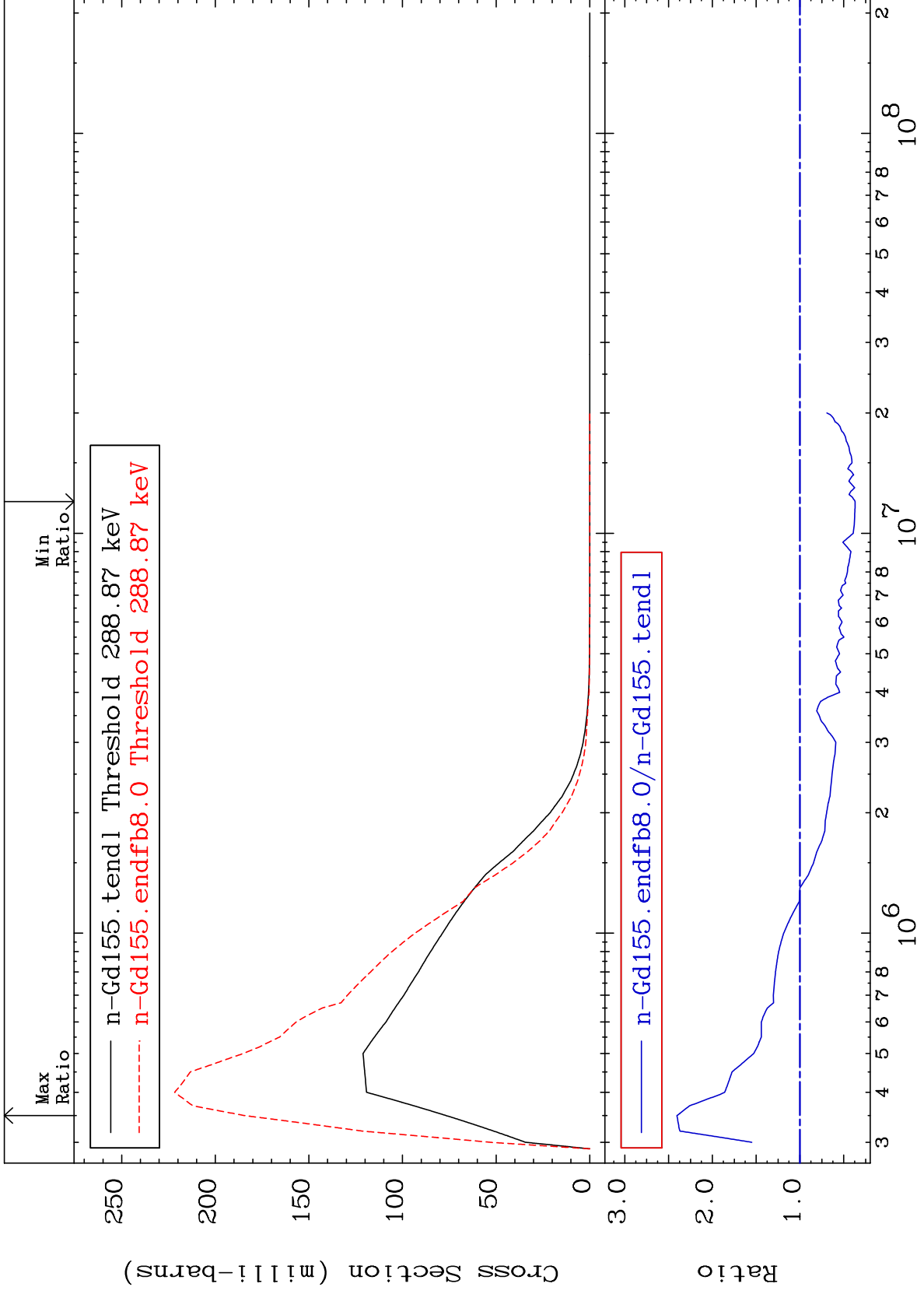
64-Gd-155
-64.59 To 78.08 %



MAT 6434

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

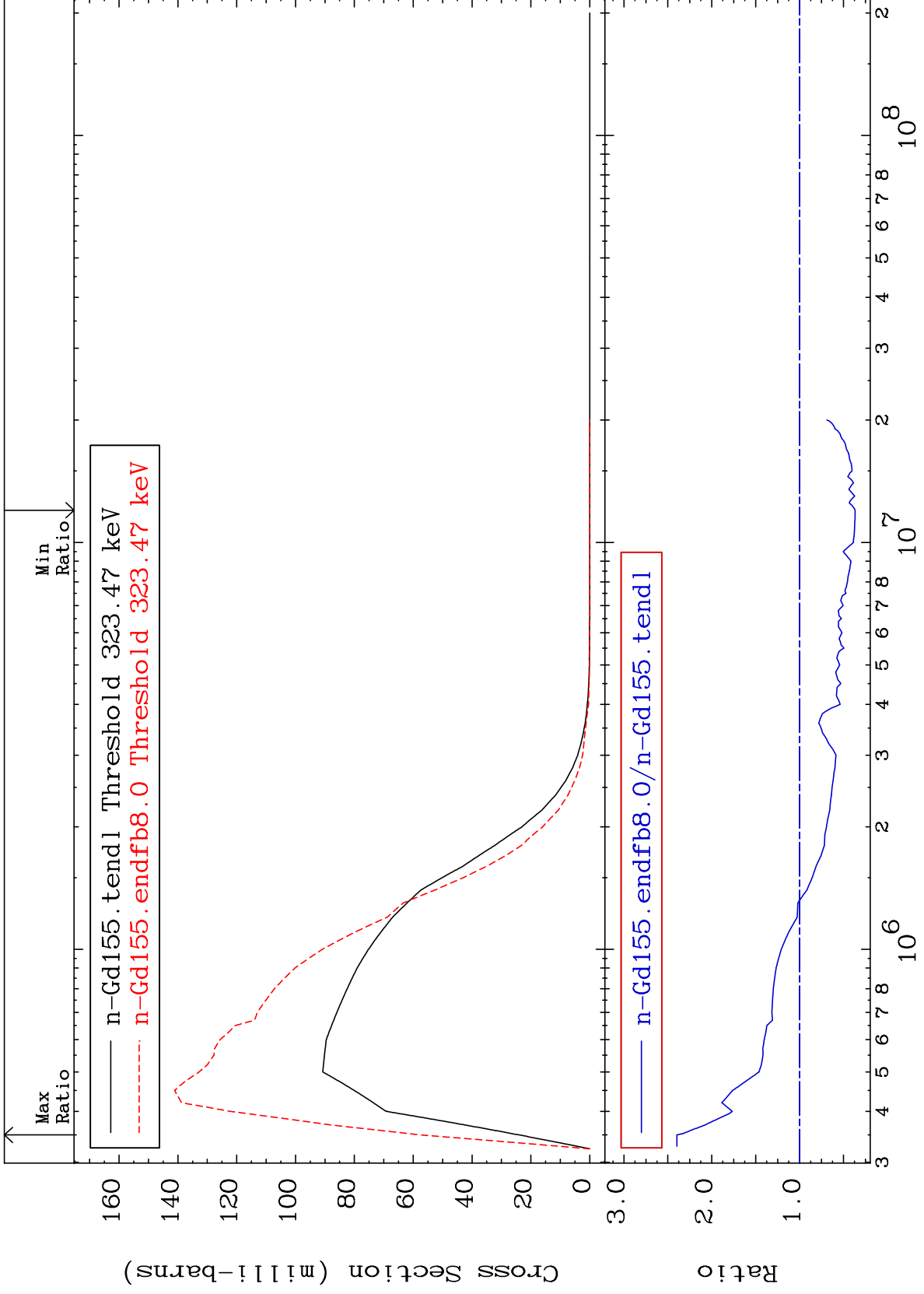
64-Gd-155
-62.96 To 140.5 %



MAT 6434

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

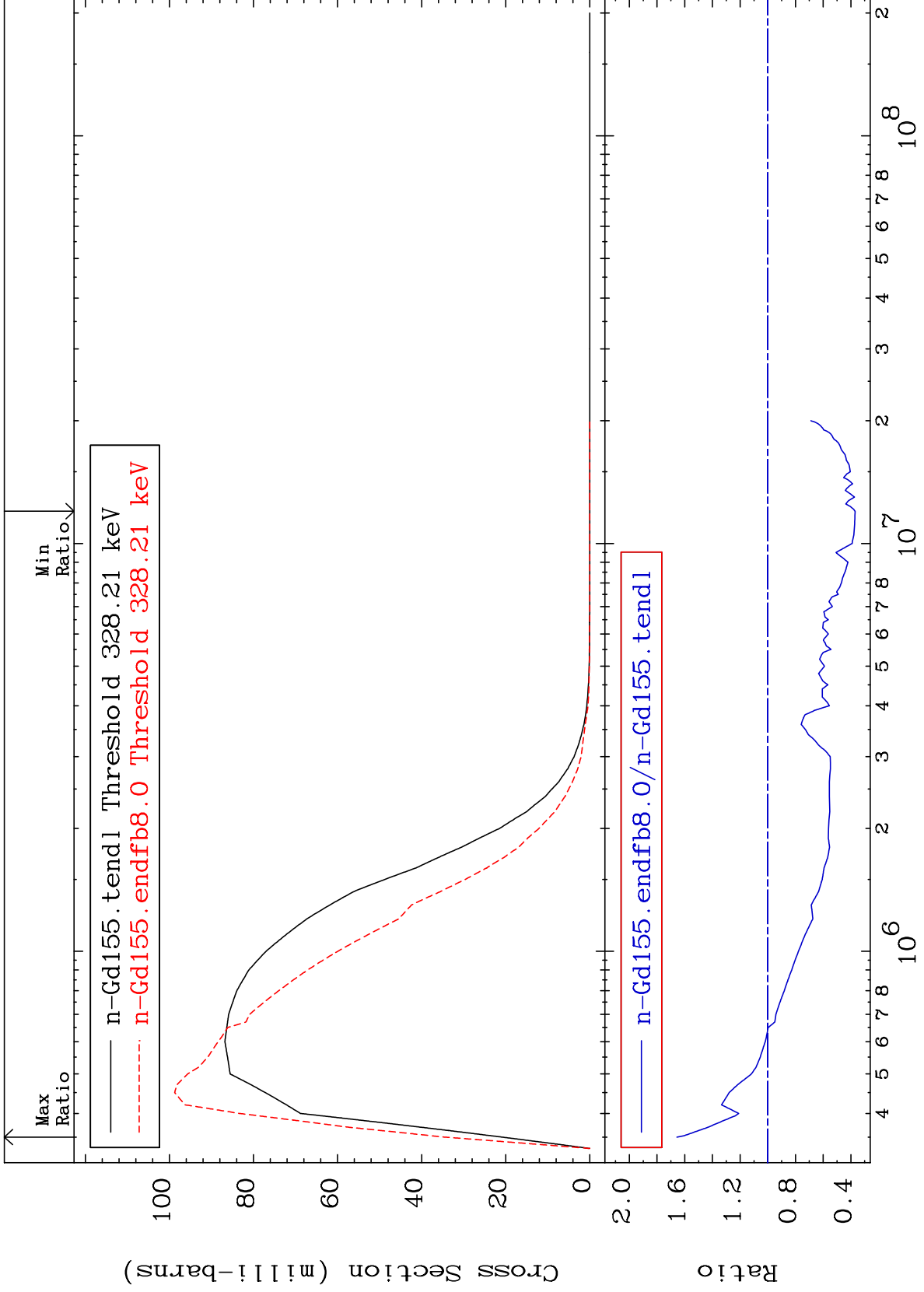
64-Gd-155
-63.15 To 139.7 %



MAT 6434

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

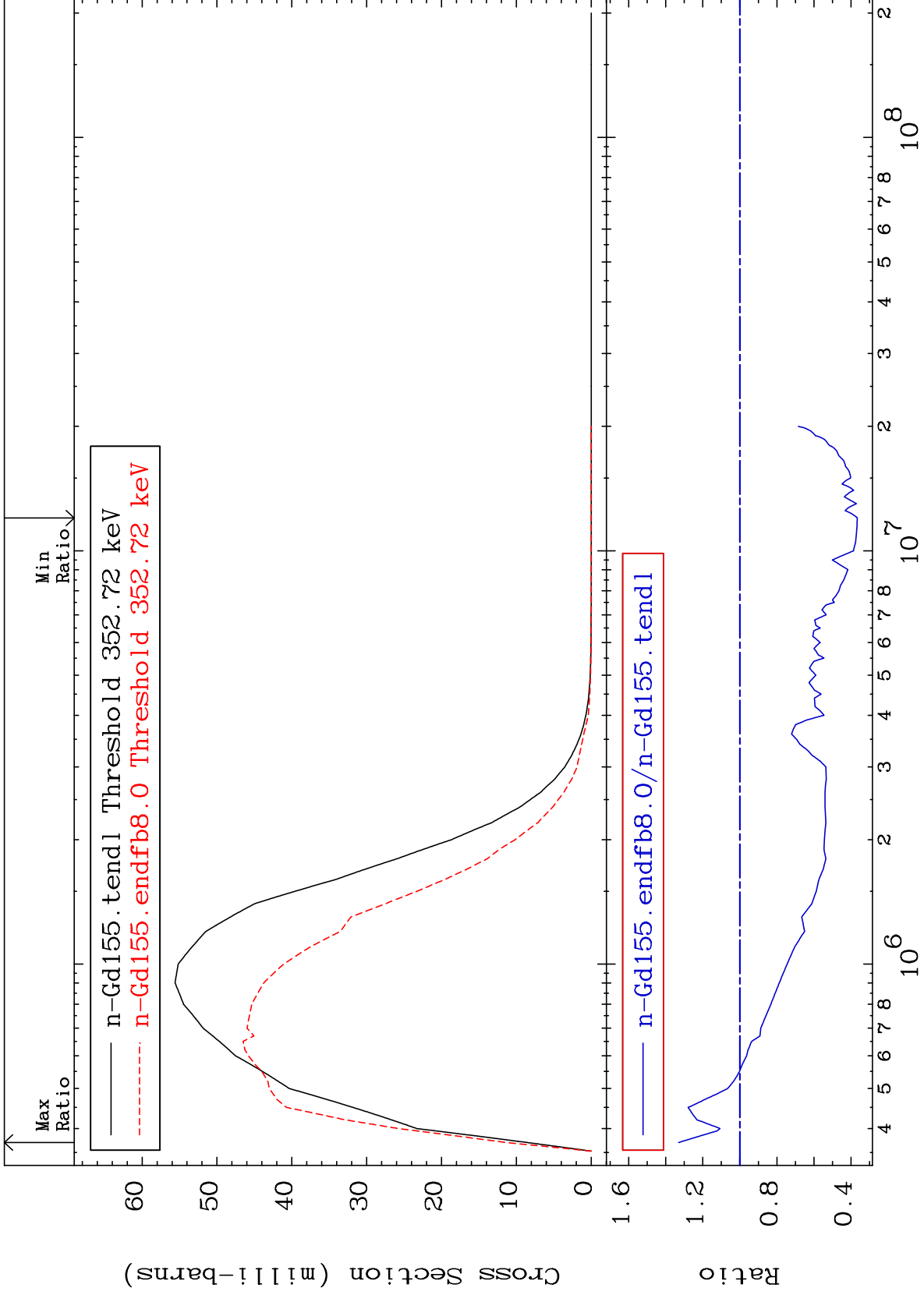
64-Gd-155
-63.04 To 65.63 %



MAT 6434

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

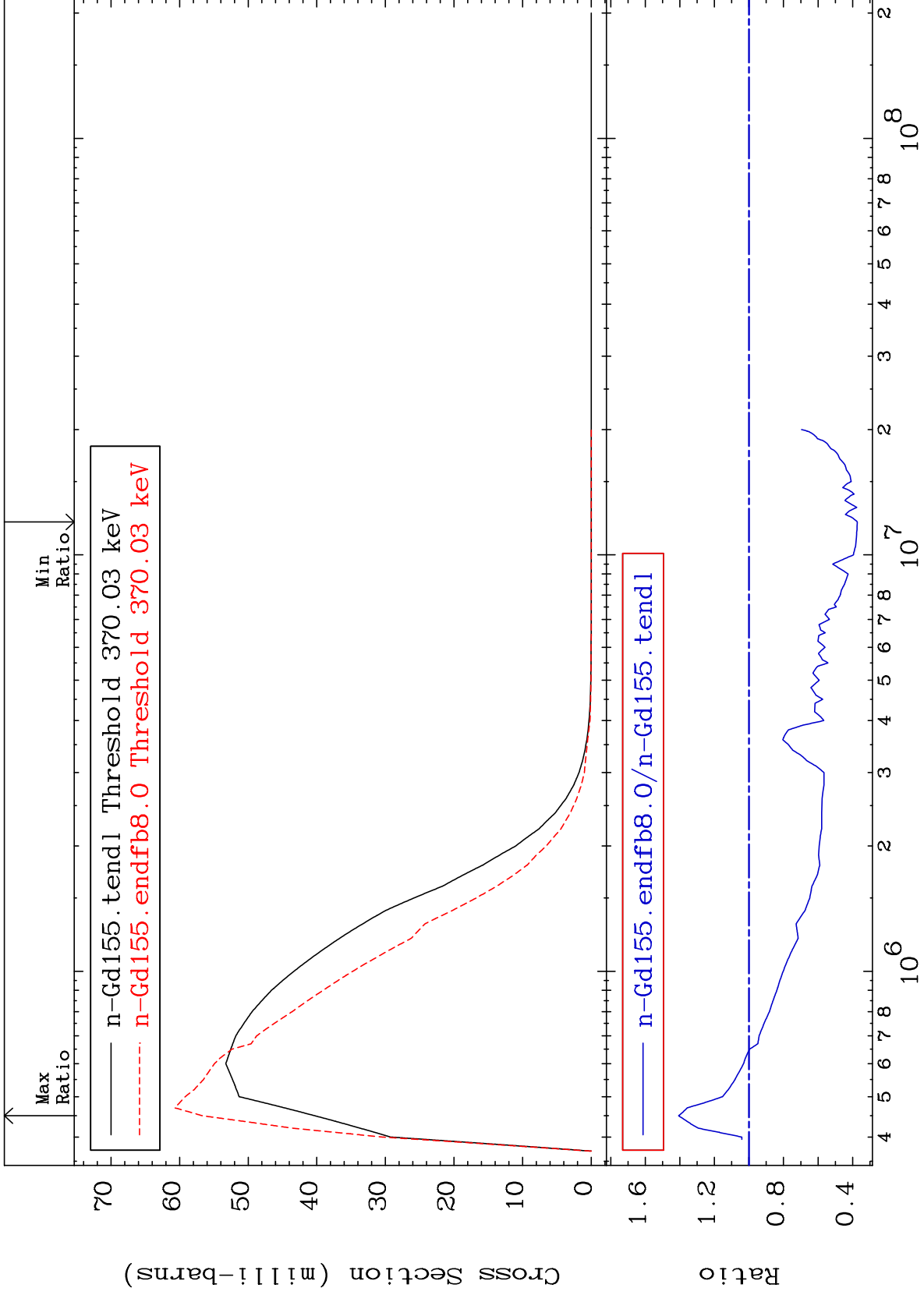
64-Gd-155
-63.36 To 33.03 %



MAT 6434

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

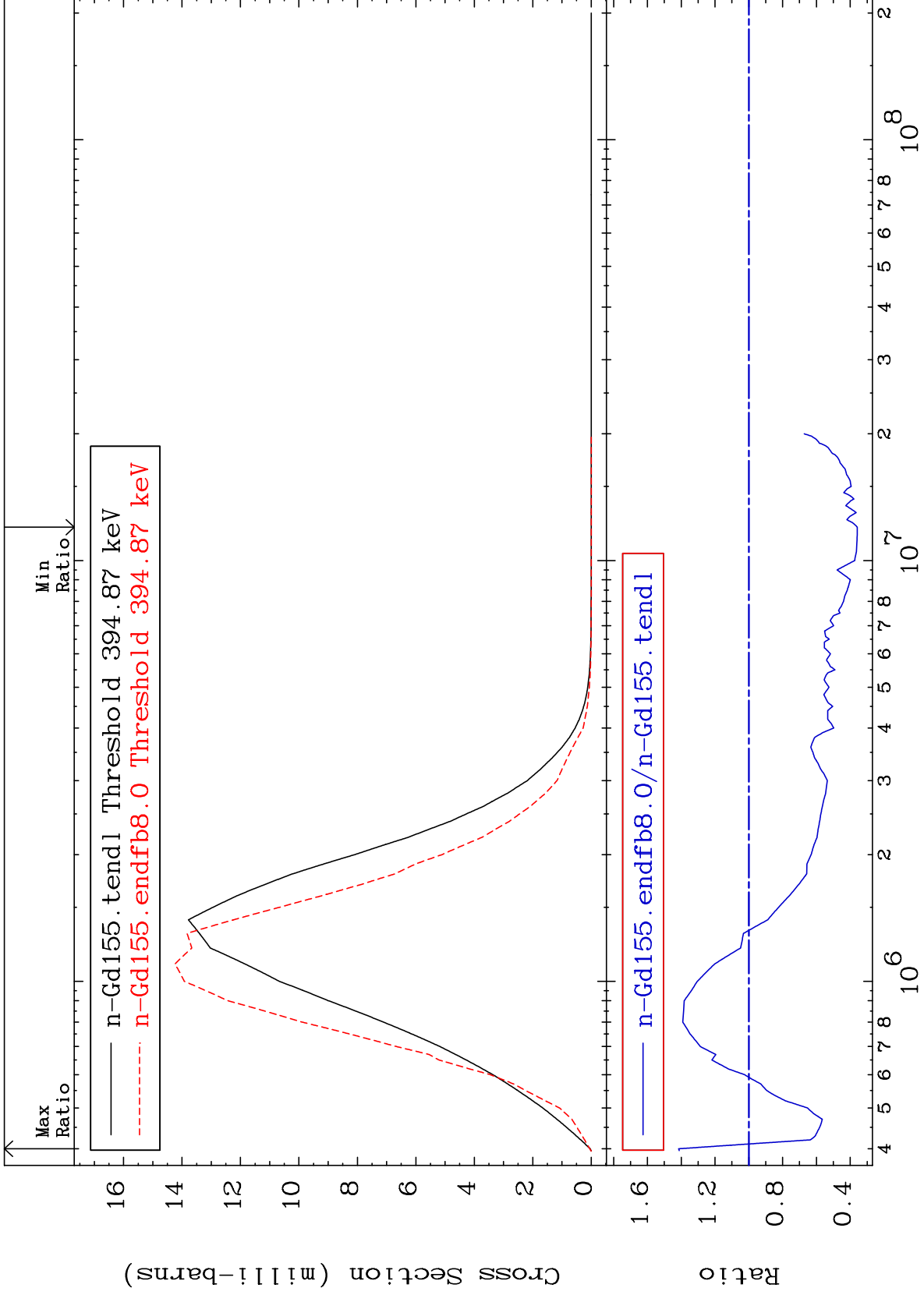
64-Gd-155
-62.69 To 40.73 %



MAT 6434

MT= 69 (n,n') Level
Cross Section

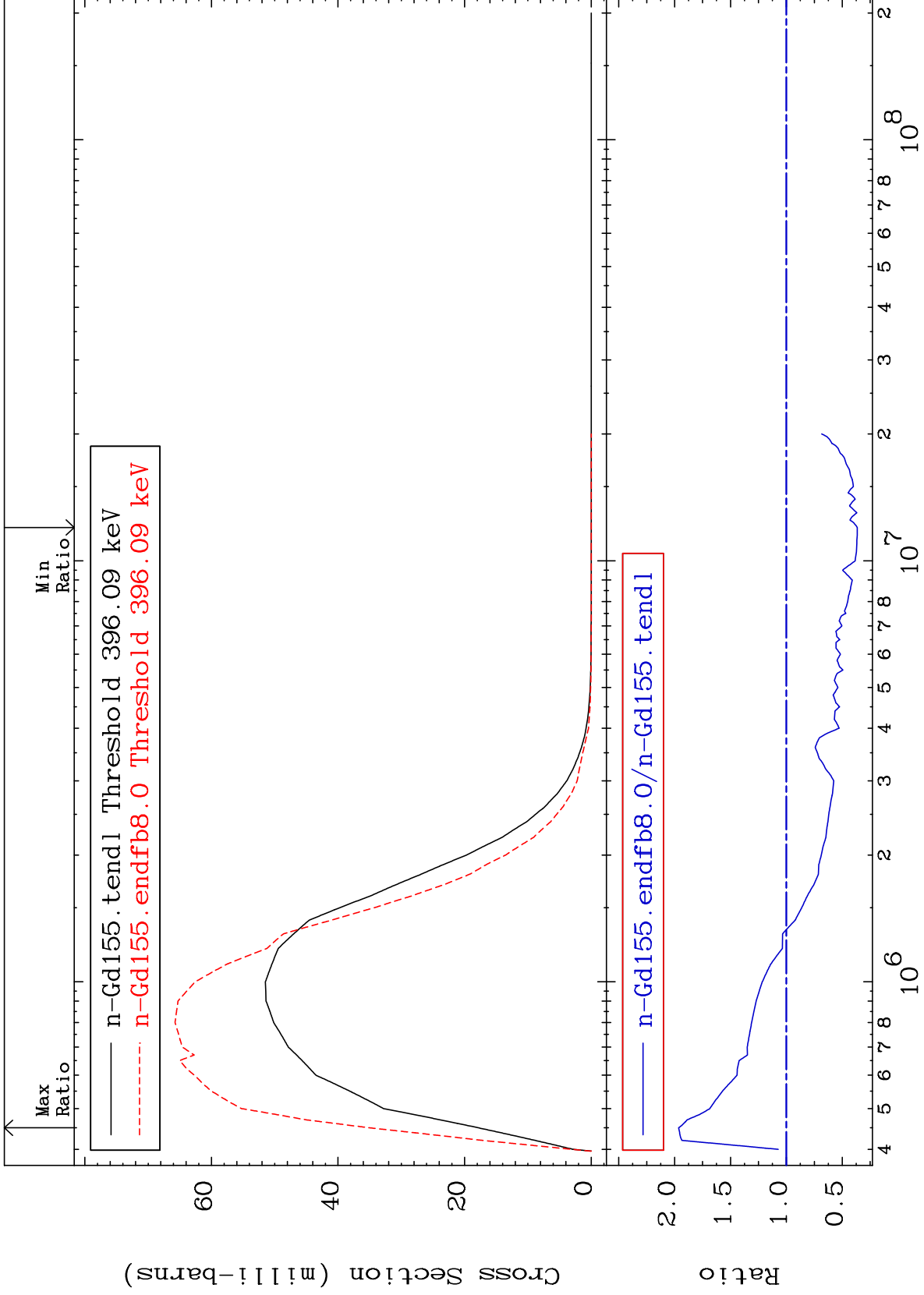
64-Gd-155
-64.15 To 41.53 %



MAT 6434

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

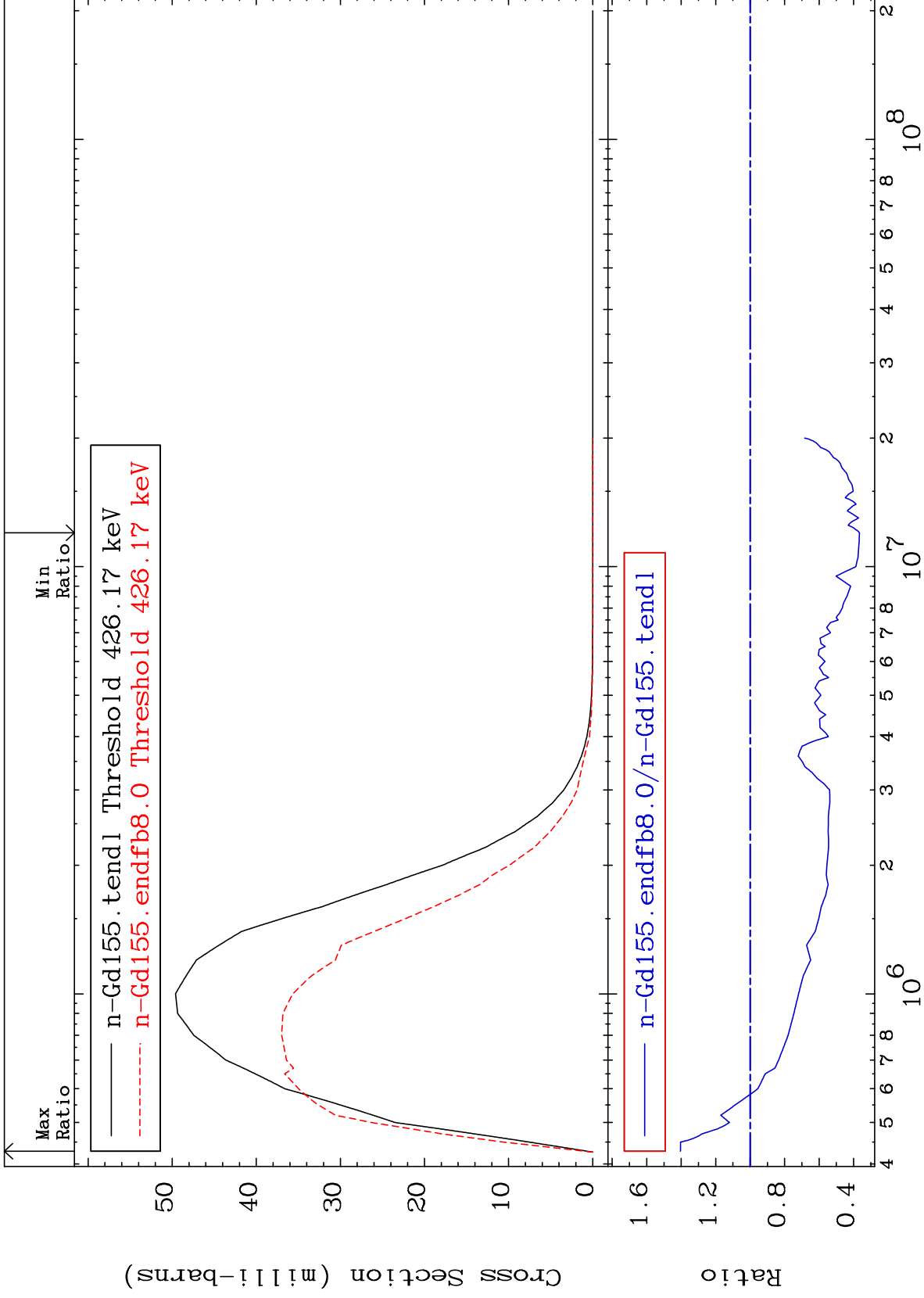
64-Gd-155
-63.44 To 96.40 %



MAT 6434

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

64-Gd-155
-63.39 To 40.48 %



30

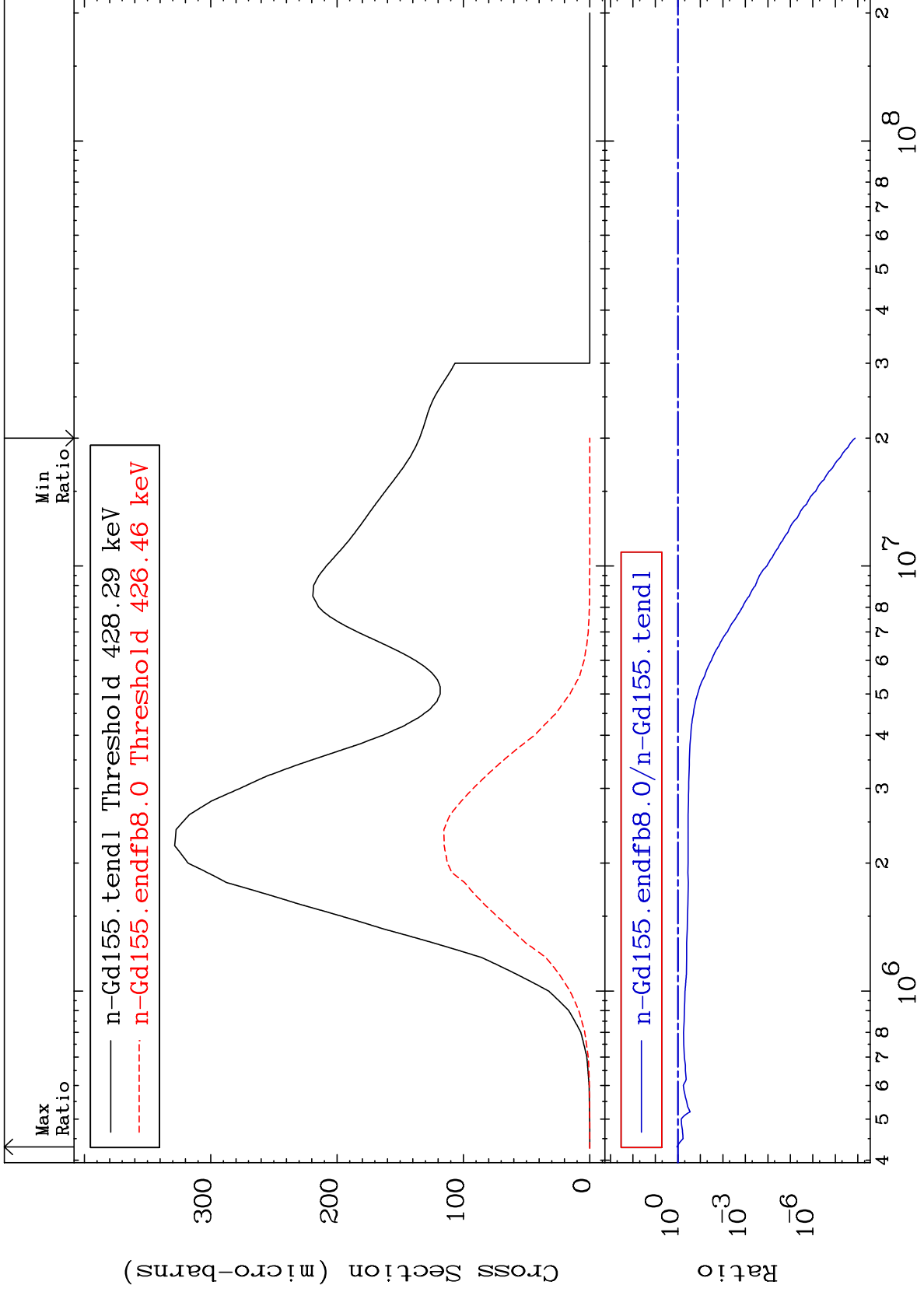
Incident Energy (eV)

64-Gd-155

MAT 6434

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

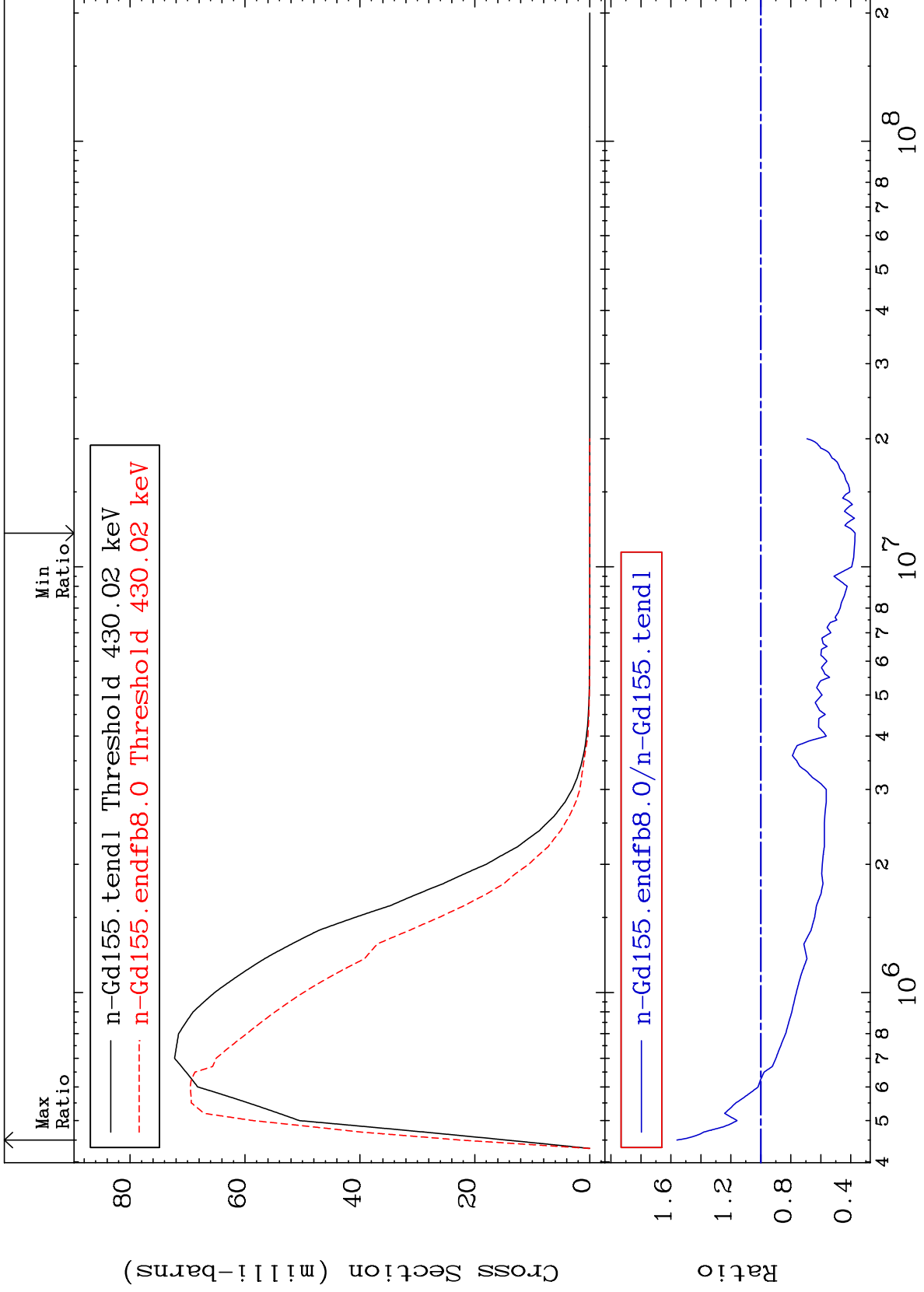
64-Gd-155
-100.0 To 10.46 %



MAT 6434

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

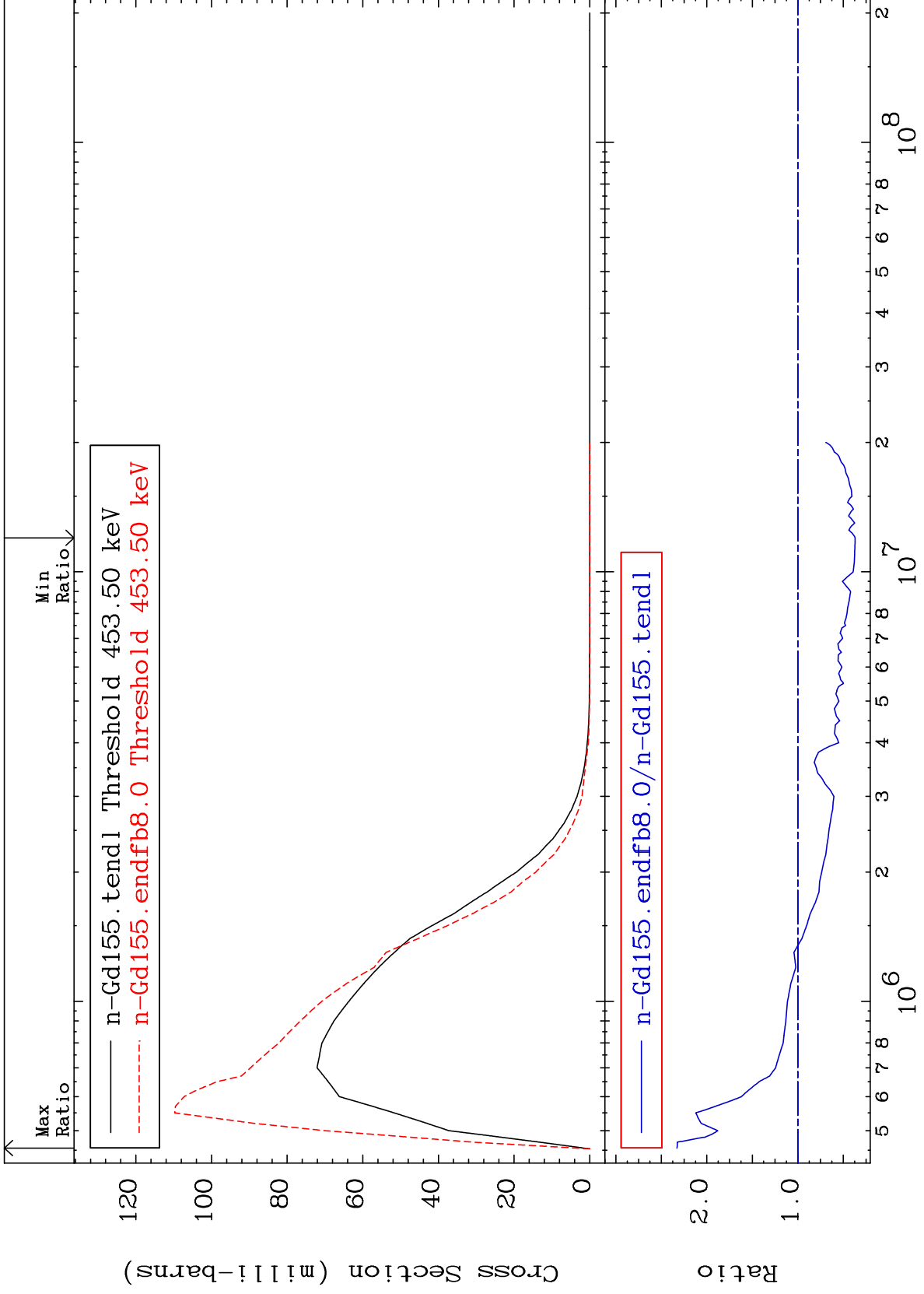
64-Gd-155
-62.85 To 55.98 %



MAT 6434

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

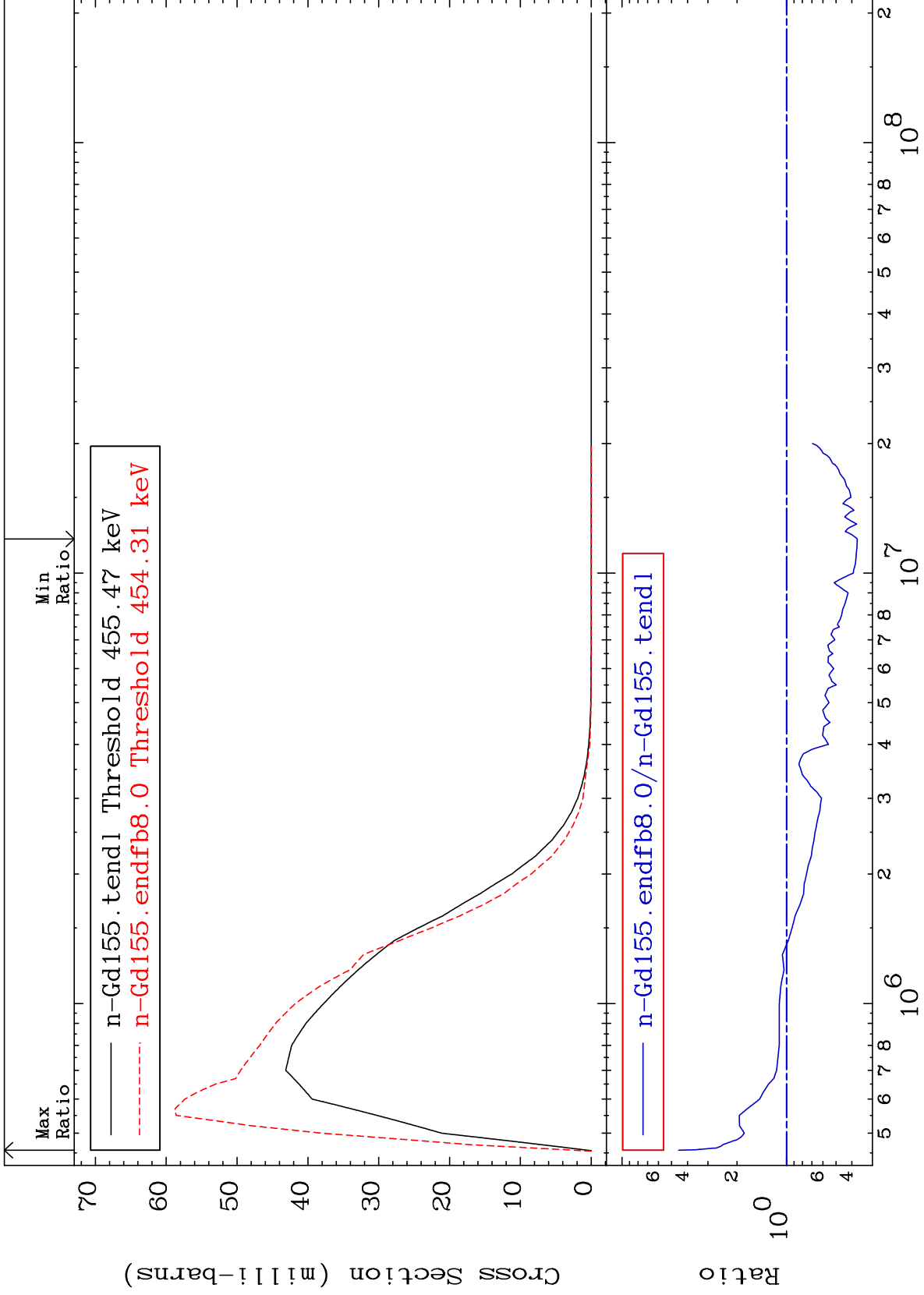
64-Gd-155
-63.01 To 132.9 %



MAT 6434

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

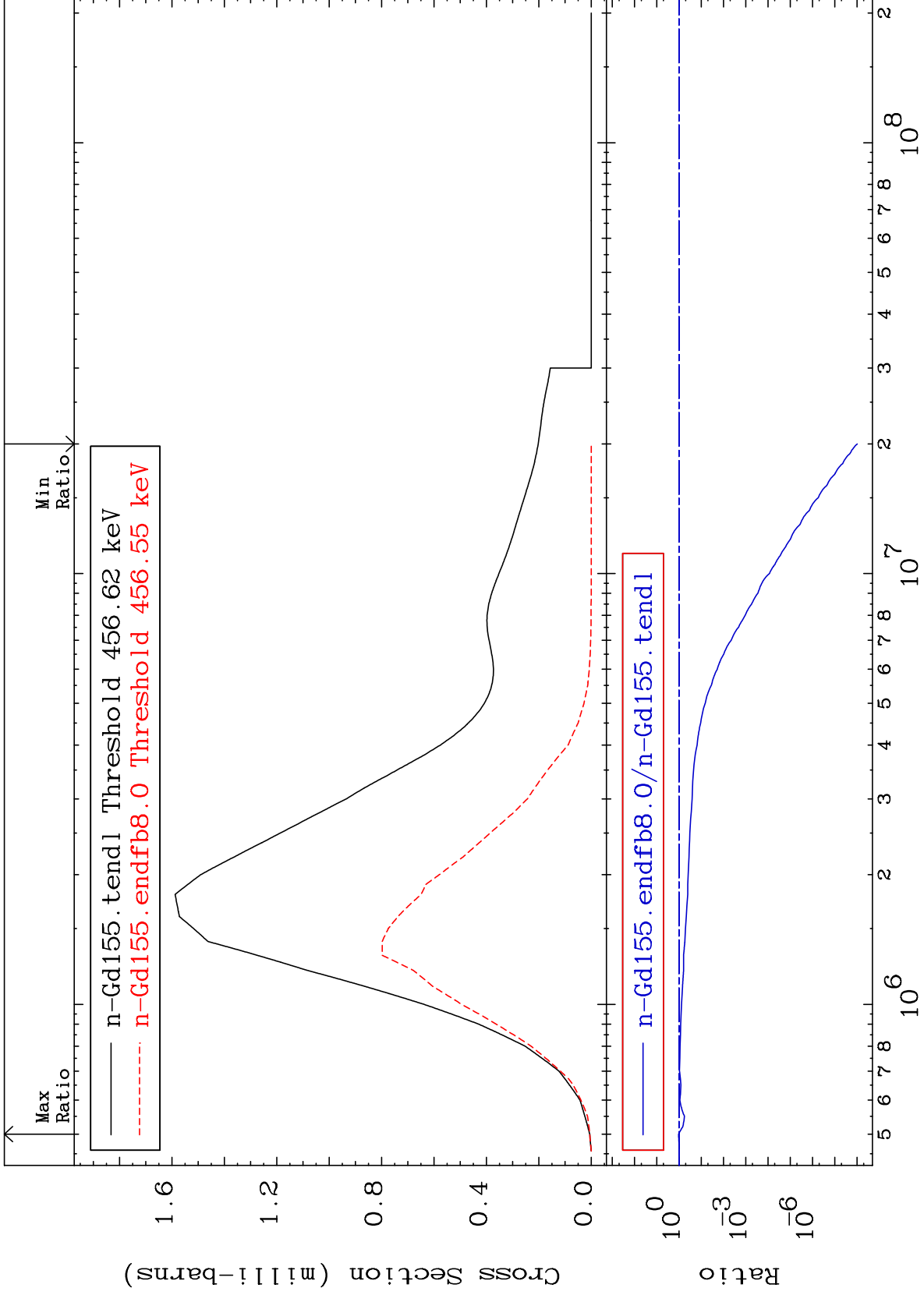
64-Gd-155
-62.87 To 352.7 %



MAT 6434

MT= 76 (n,n') Level
Cross Section

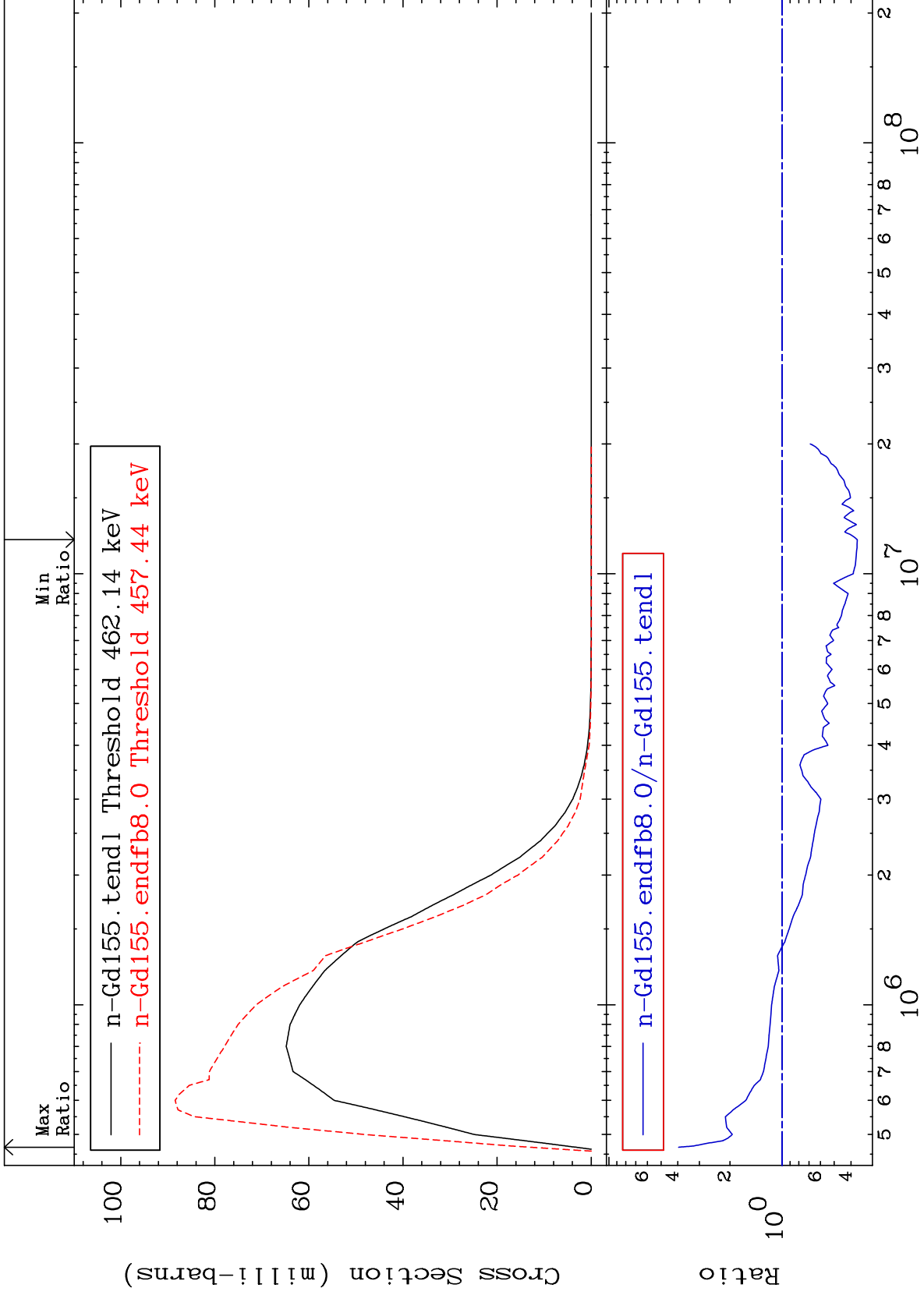
64-Gd-155
-100.0 To 4.445 %



MAT 6434

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

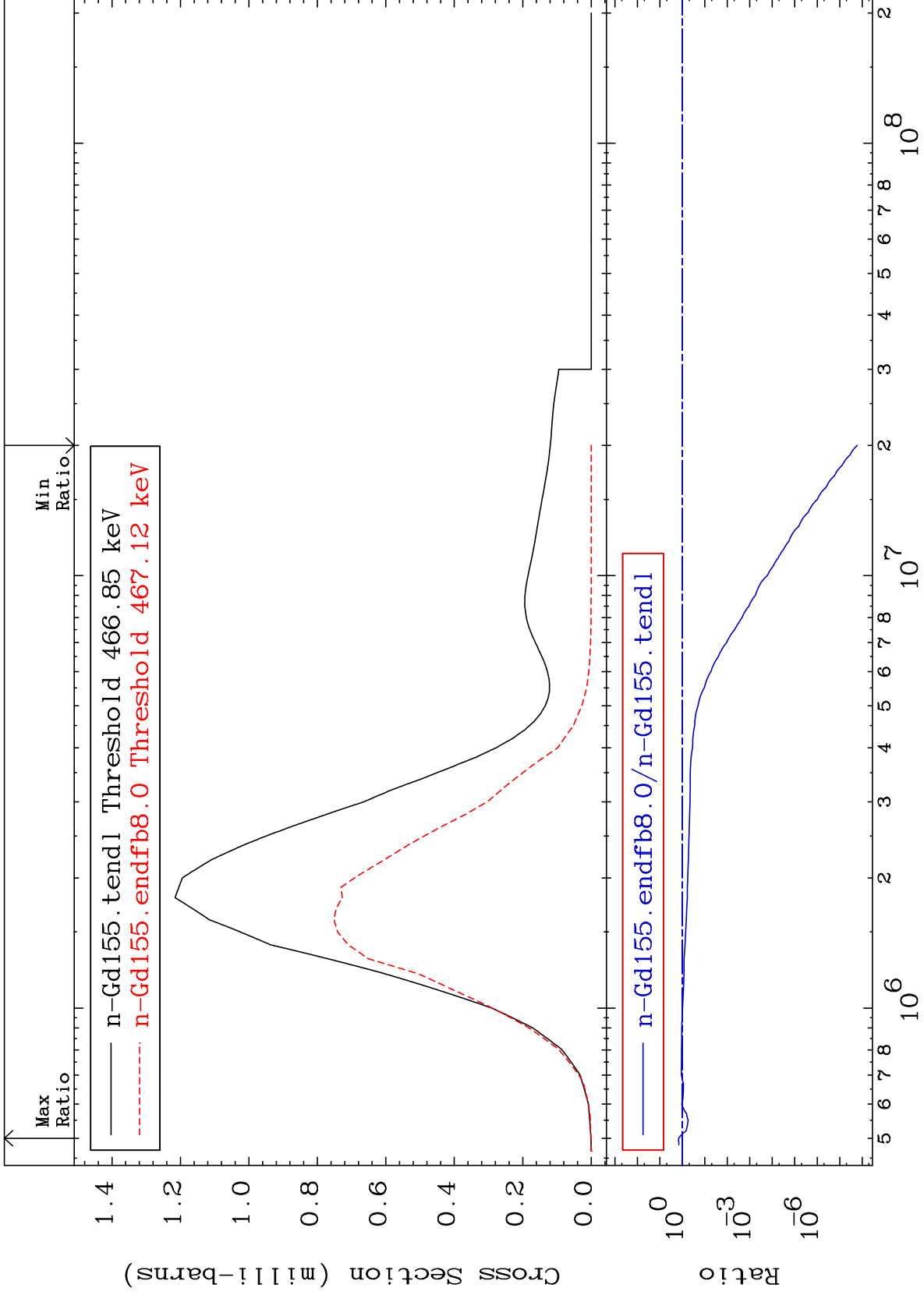
64-Gd-155
-63.19 To 295.8 %



MAT 6434

MT= 78 (n,n') Level
Cross Section

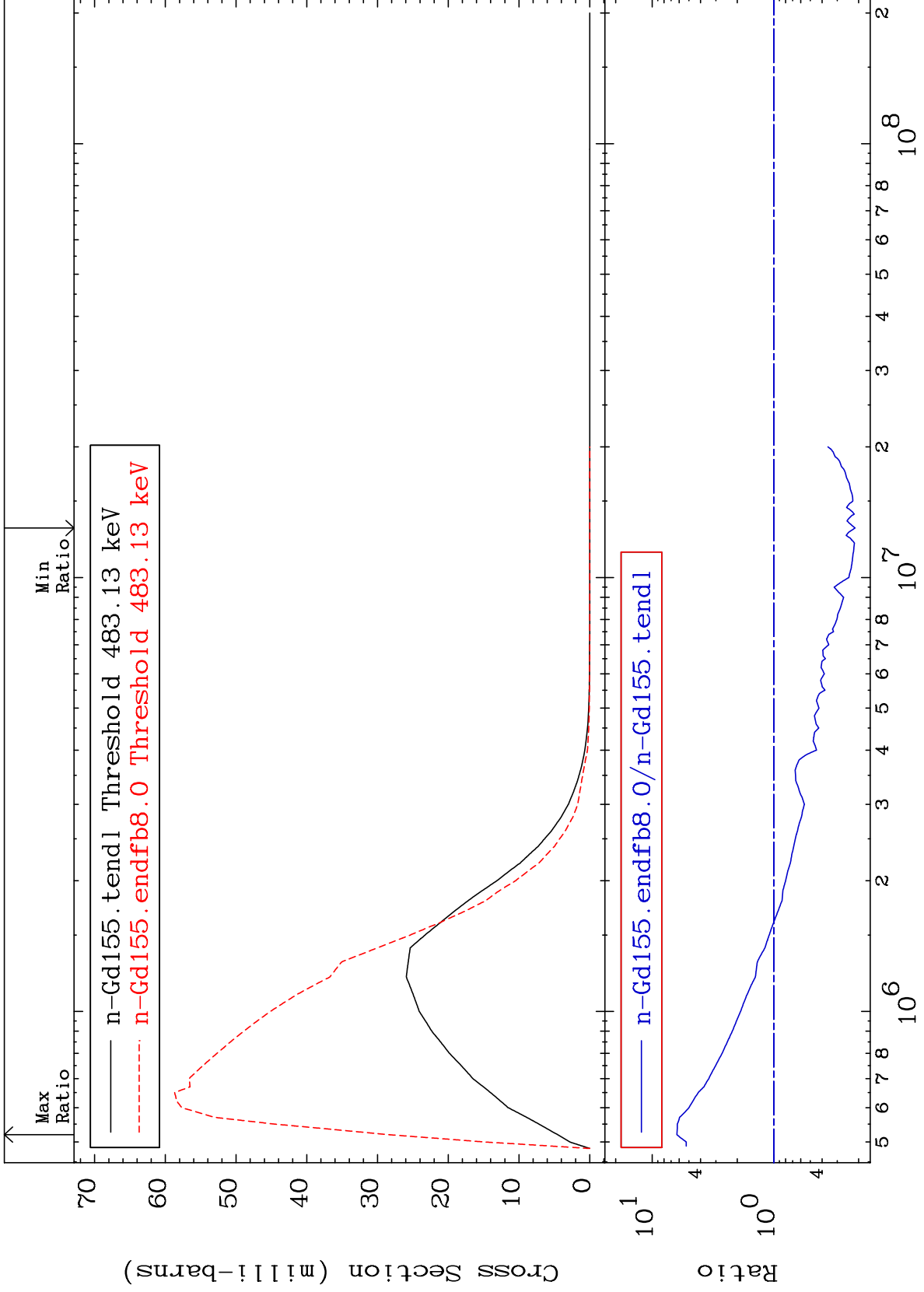
64-Gd-155
-100.0 To 46.95 %



MAT 6434

MT= 79 (n,n') Level
Cross Section

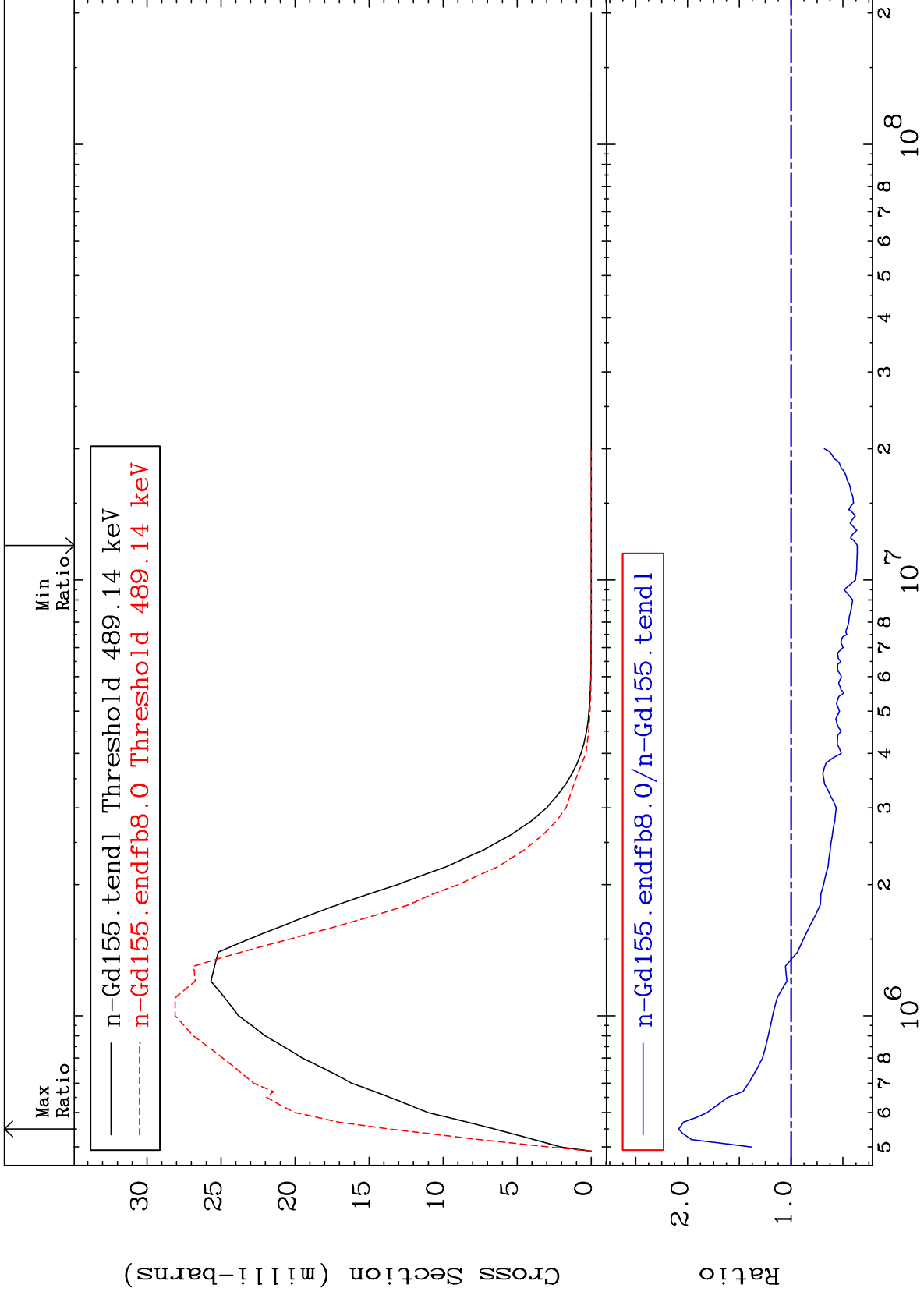
64-Gd-155
-78.61 To 526.9 %



MAT 6434

MT= 80 (n,n') Level
Cross Section

64-Gd-155
-63.81 To 108.6 %



39

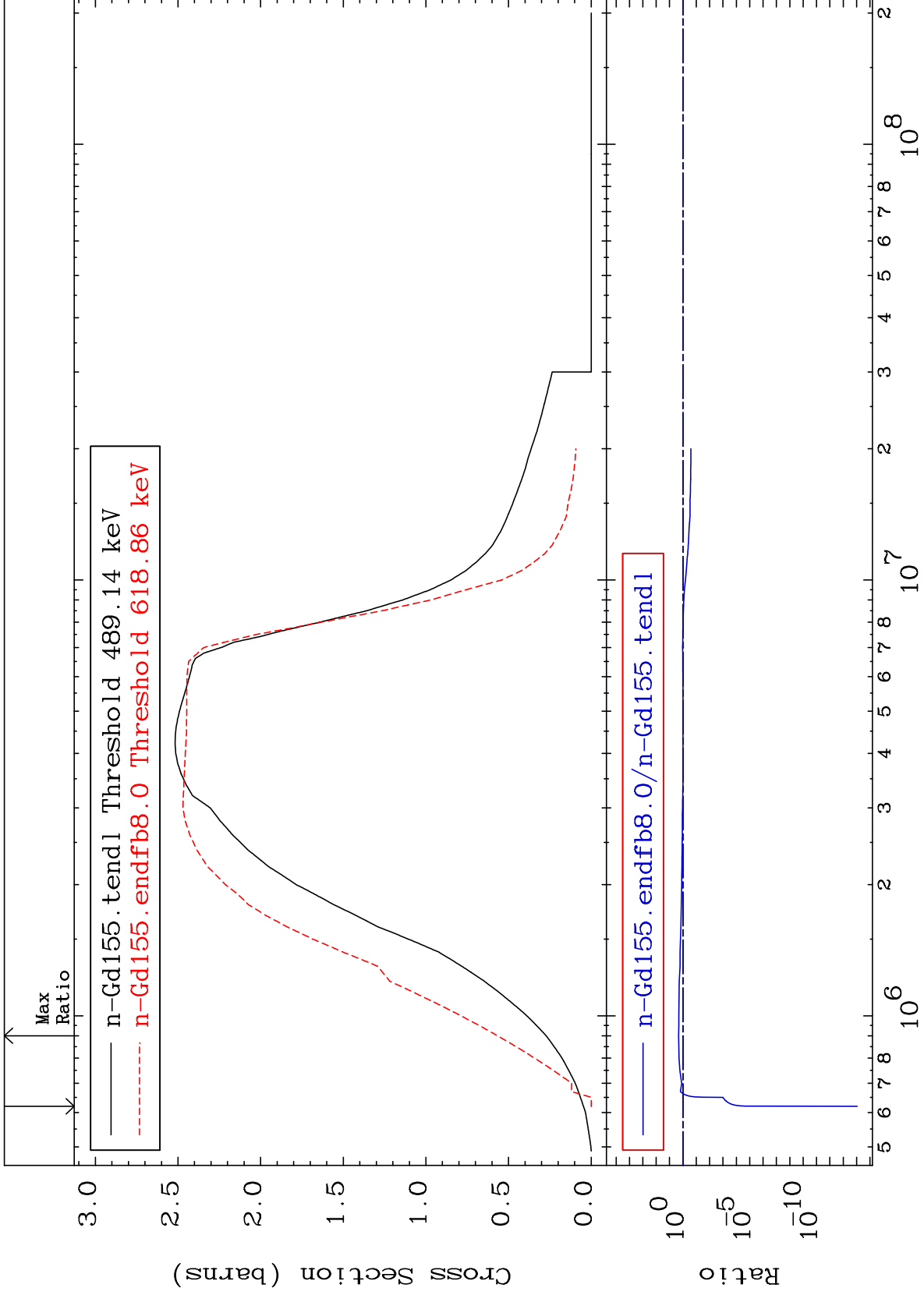
Incident Energy (eV)

64-Gd-155

MAT 6434

(n, n') Continuum
Cross Section

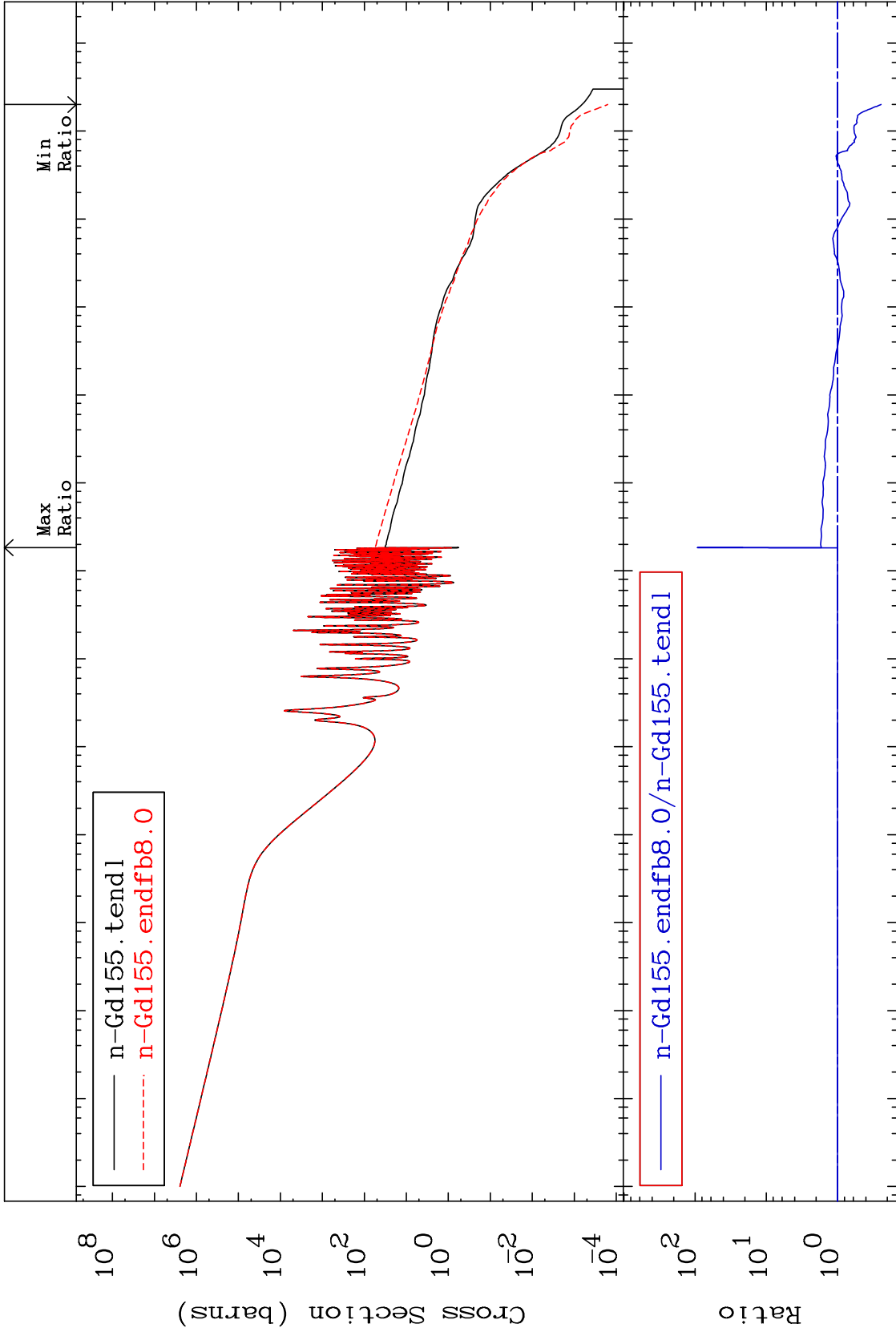
64-Gd-155
-100.0 To 108.4 %



MAT 6434

(n, γ)
Cross Section

64-Gd-155
-75.53 To 9147. %



41

Incident Energy (eV)

64-Gd-155

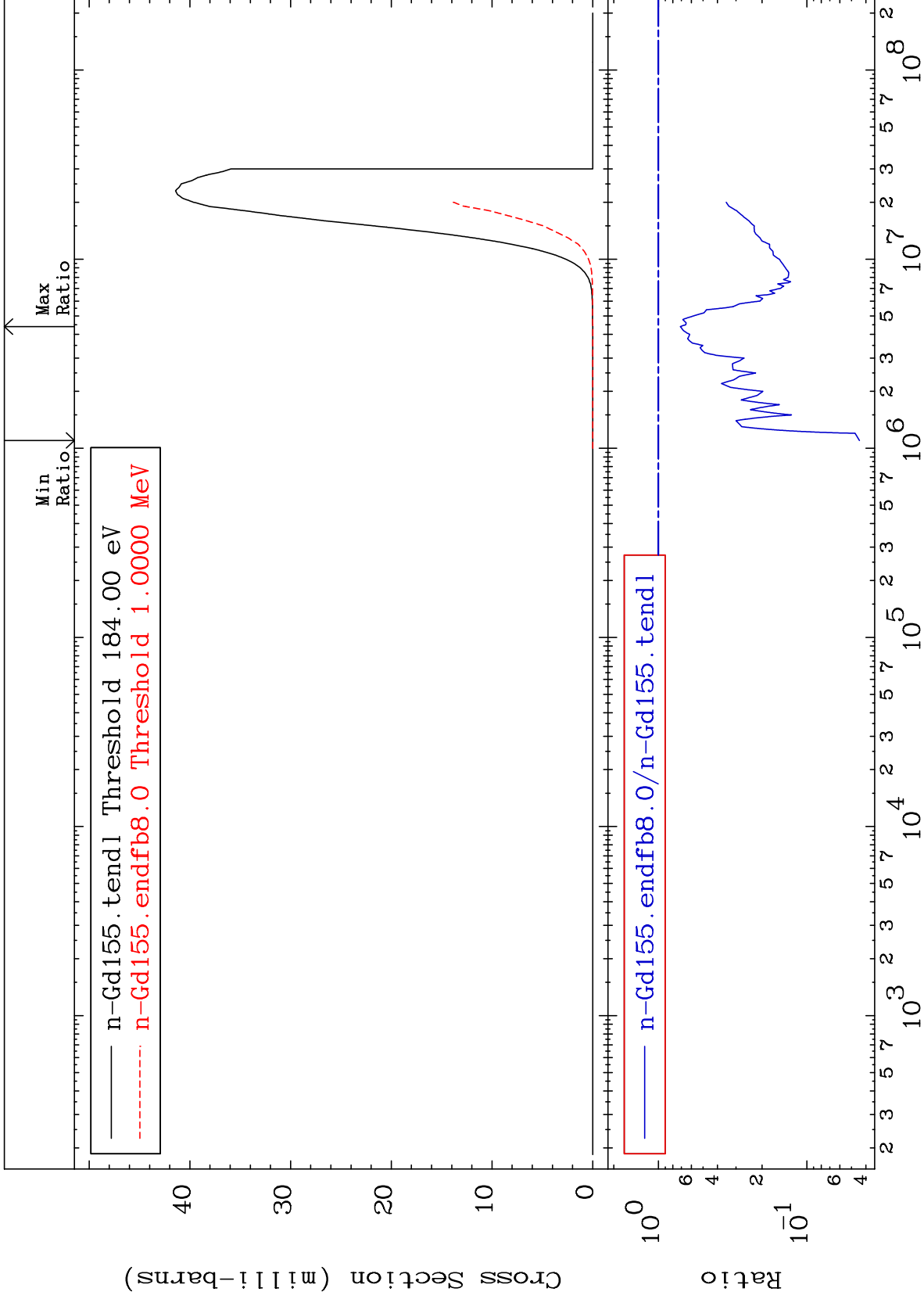
MAT 6434

(n,p)

64-Gd-155

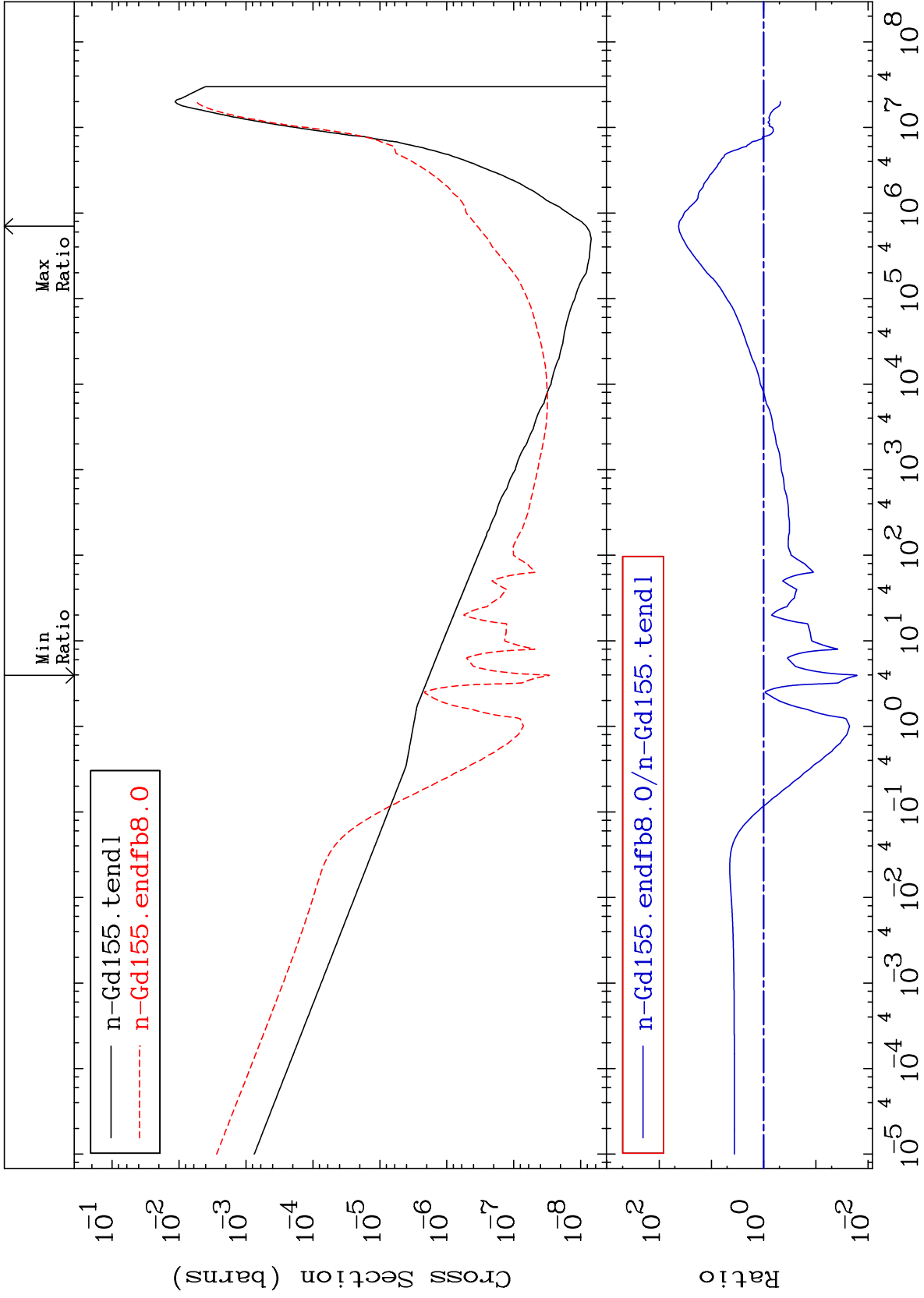
Cross Section

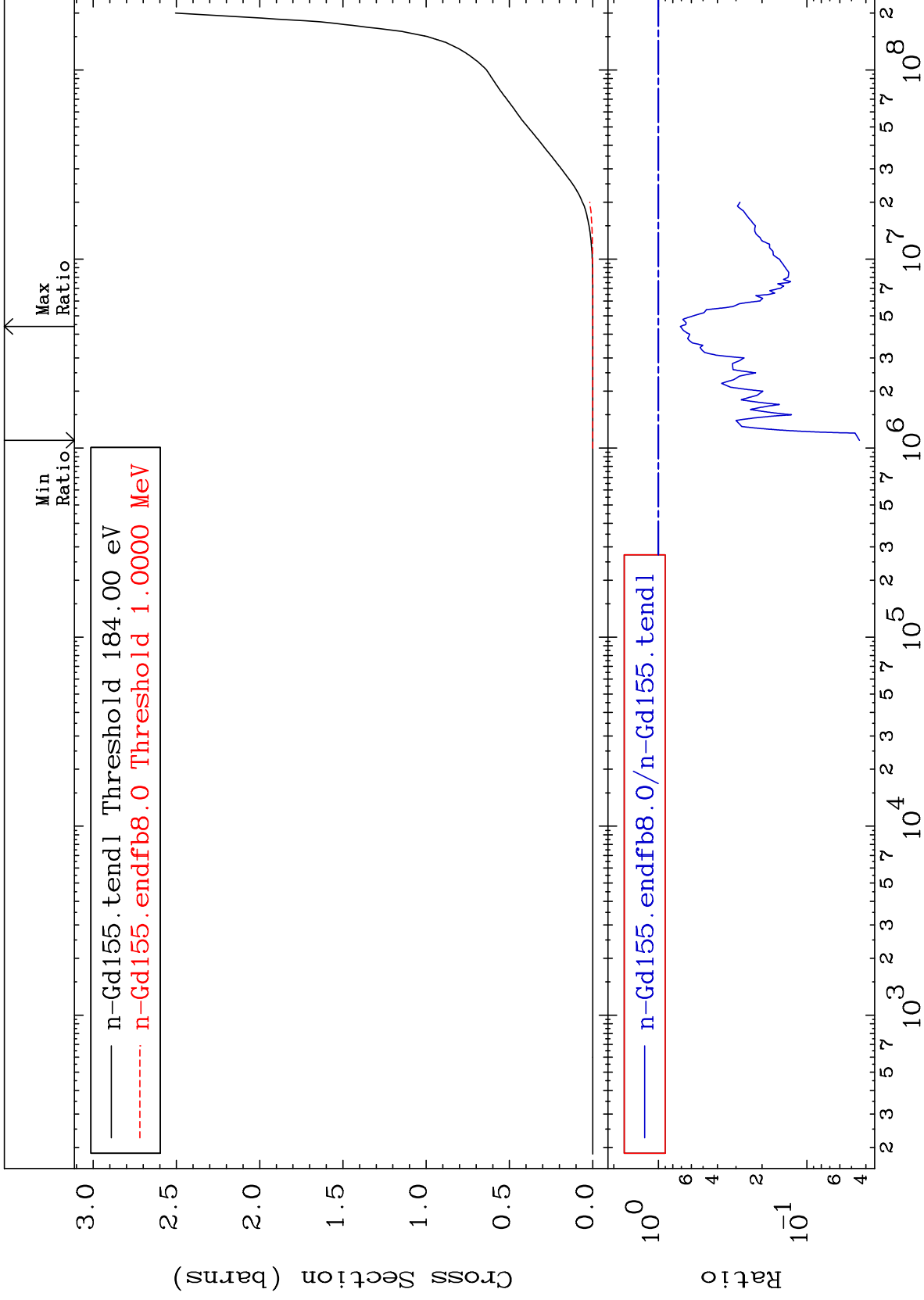
-95.58 To -28.85%



MAT 6434

(n, α)
Cross Section
64-Gd-155
-98.38 To 4137. %

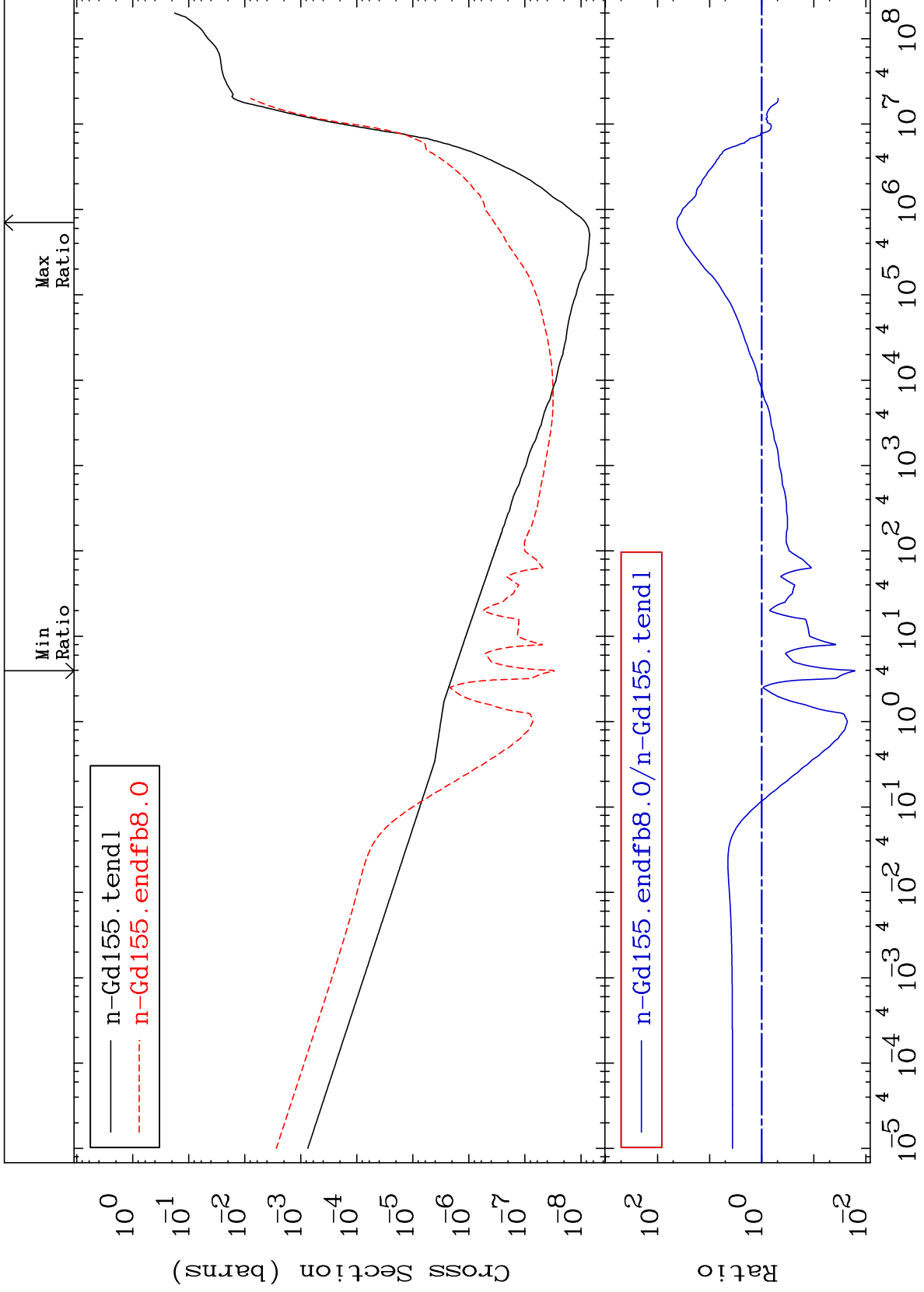




MAT 6434

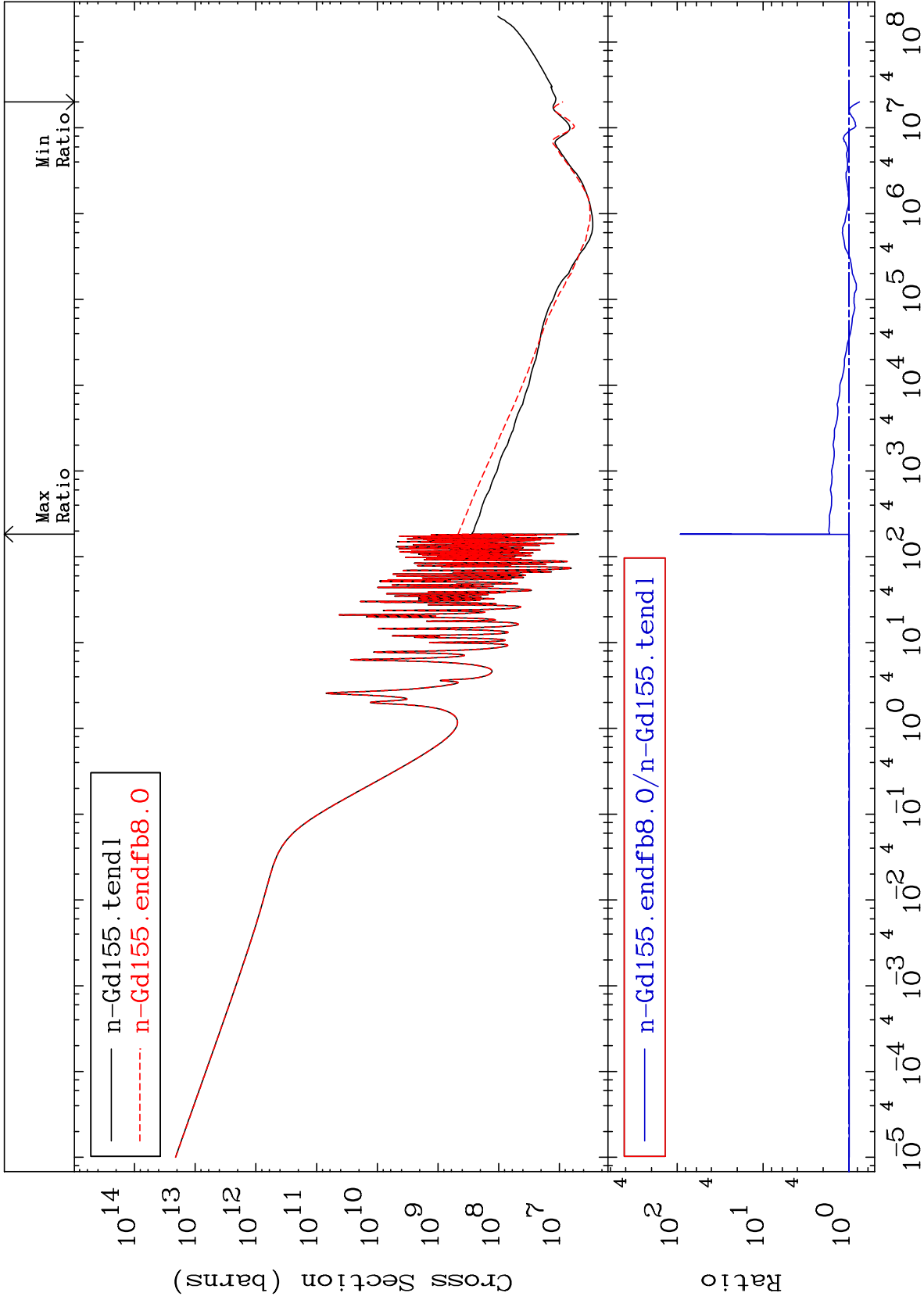
He-4 Production
Cross Section

64-Gd-155
-98.38 To 4137. %



Cross Section

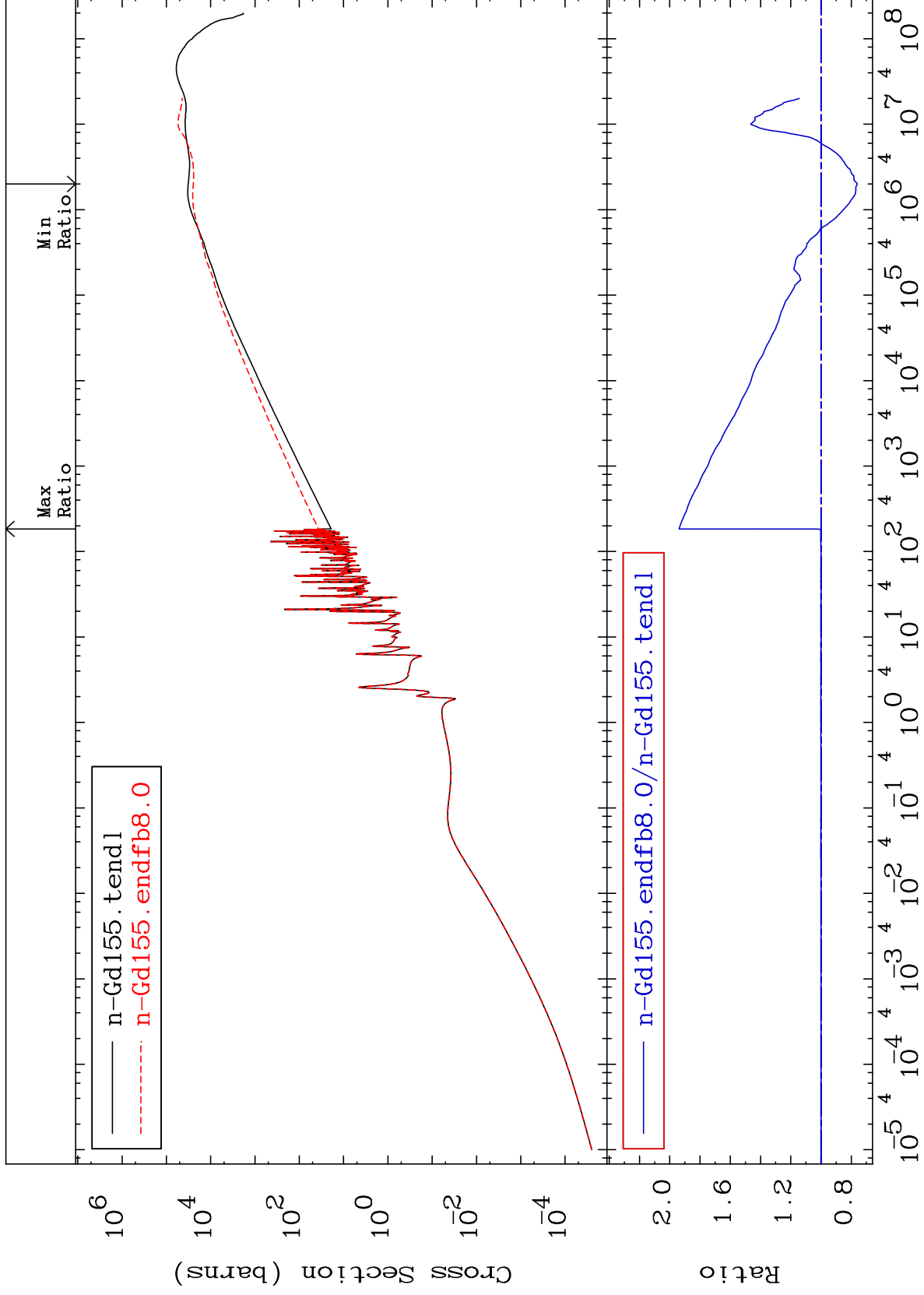
-24.44 To 9109. %

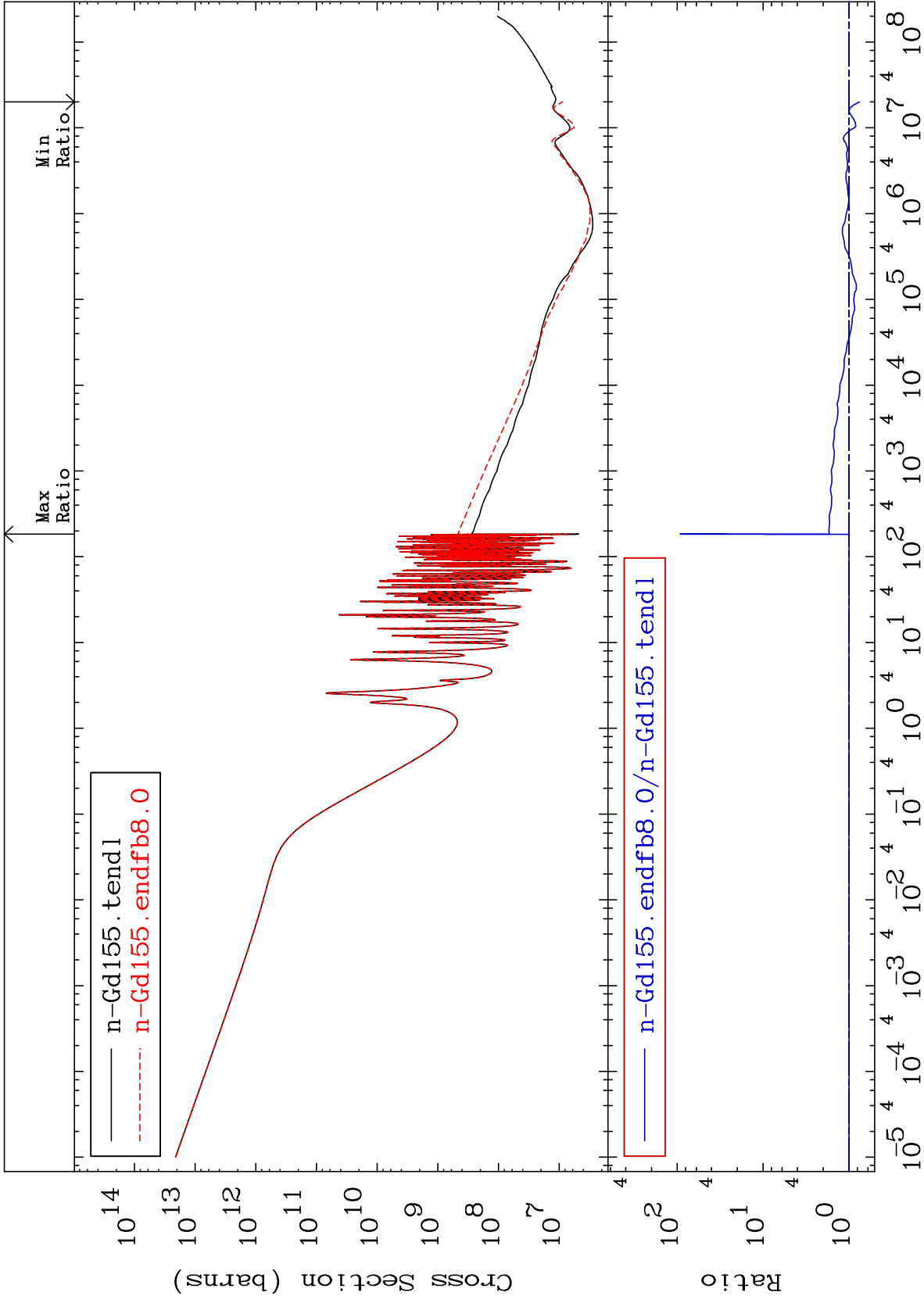


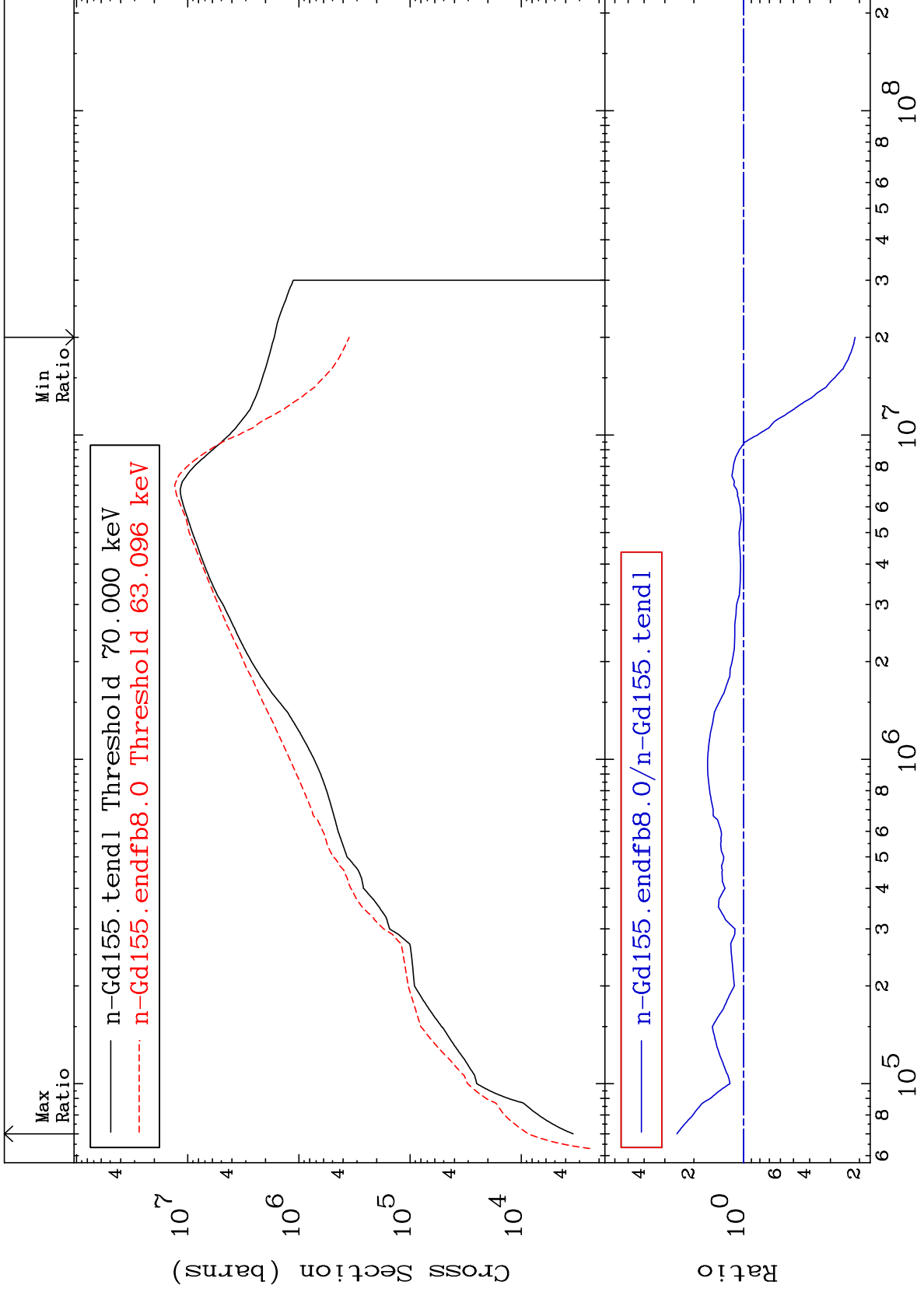
MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-24.03 To 93.86 %



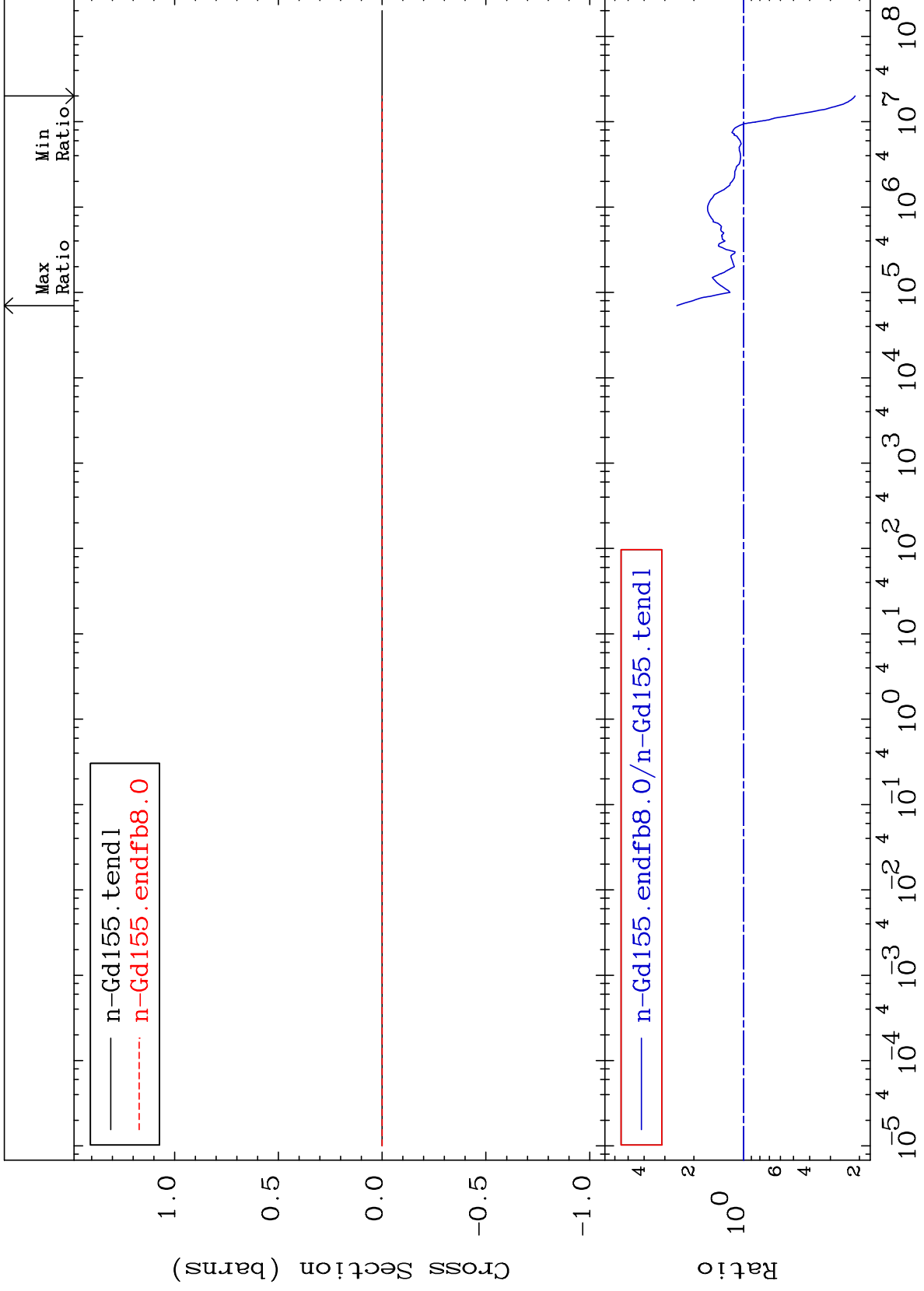




MAT 6434

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

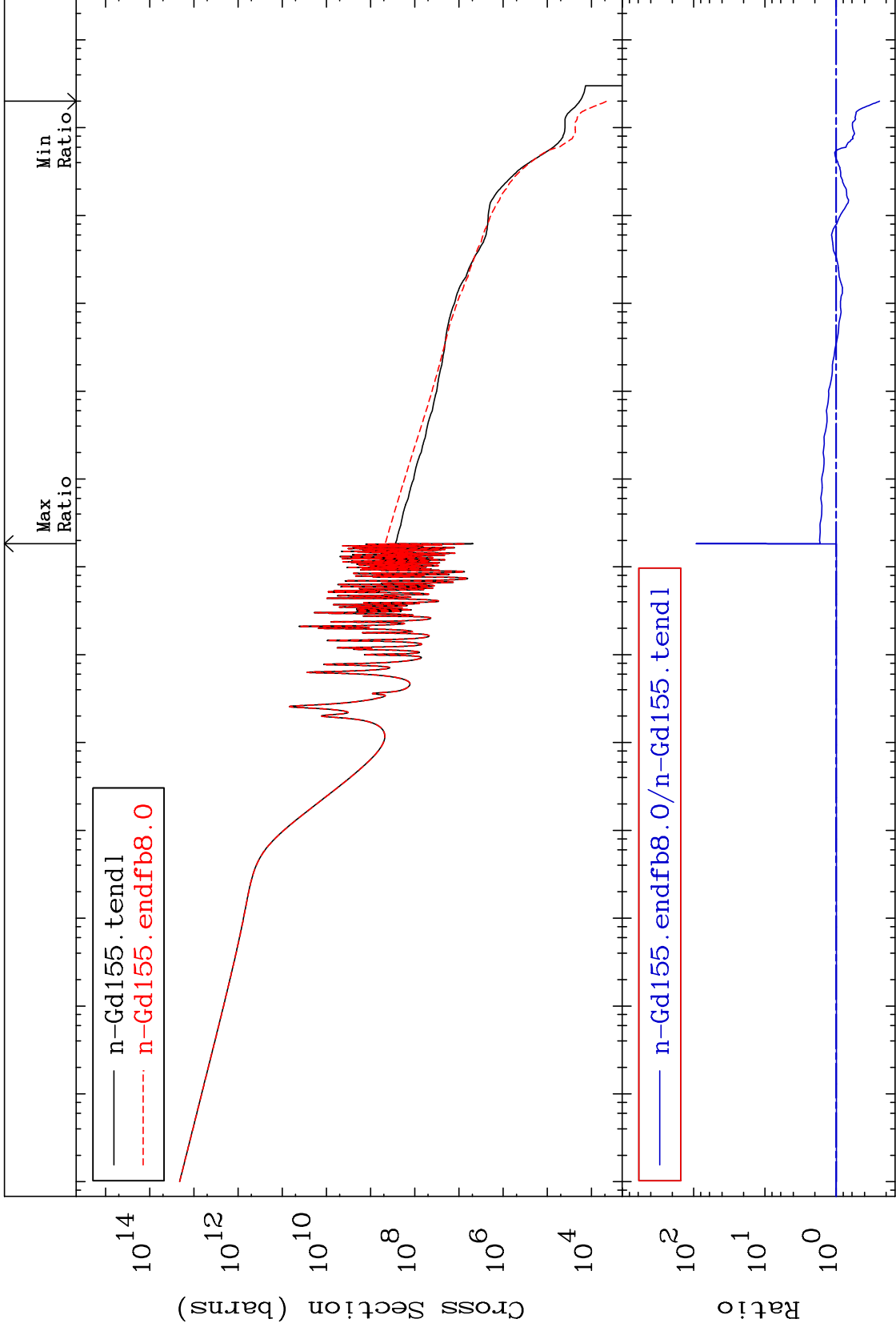
64-Gd-155
-78.75 To 153.3 %



MAT 6434

Kerma capture (mt102)
Cross Section

64-Gd-155
-75.31 To 9109. %



51

Incident Energy (eV)

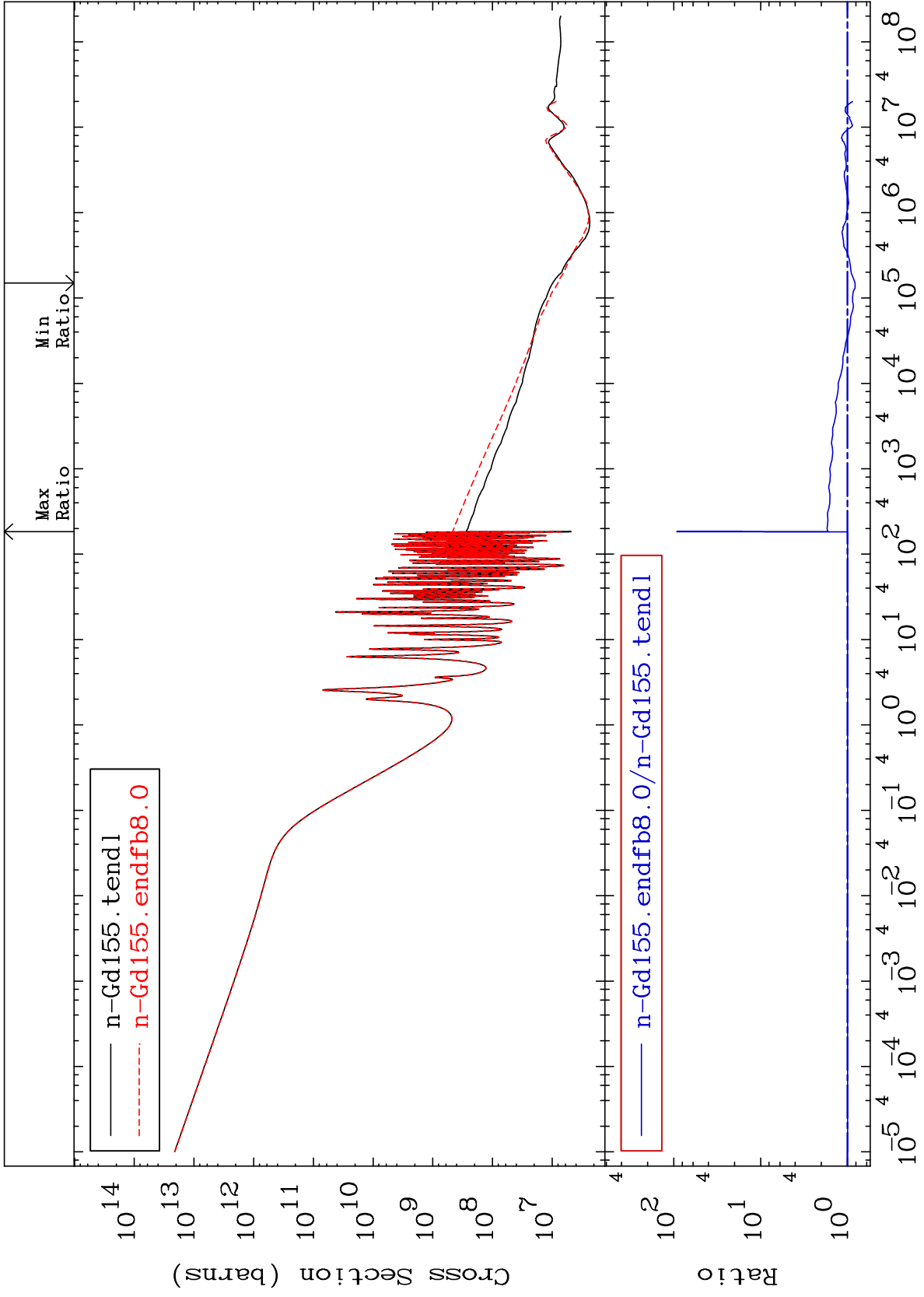
64-Gd-155

MAT 6434

Total photon (eV-barns)
Cross Section

64-Gd-155

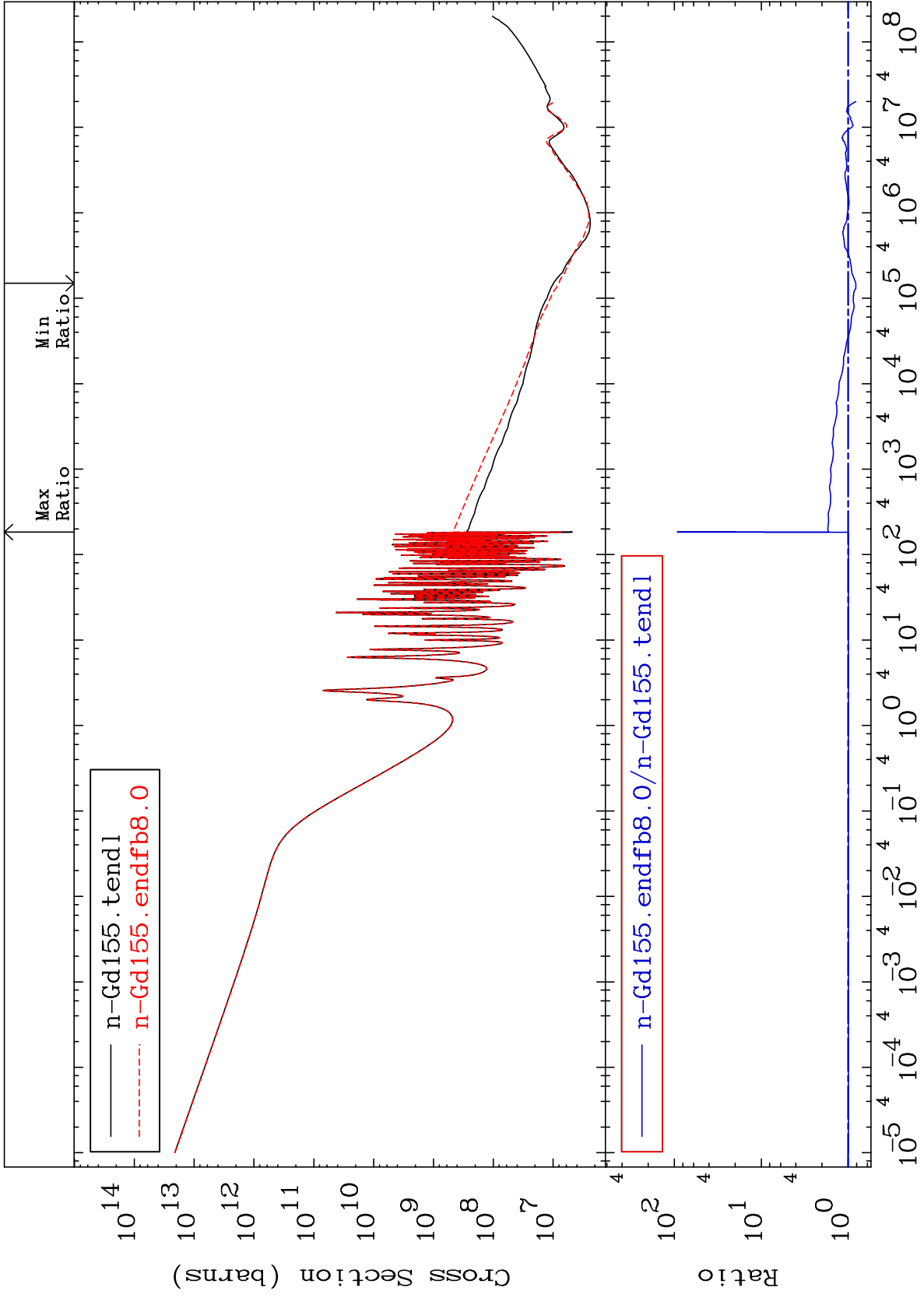
-18.34 To 9109. %



52

Incident Energy (eV)

64-Gd-155



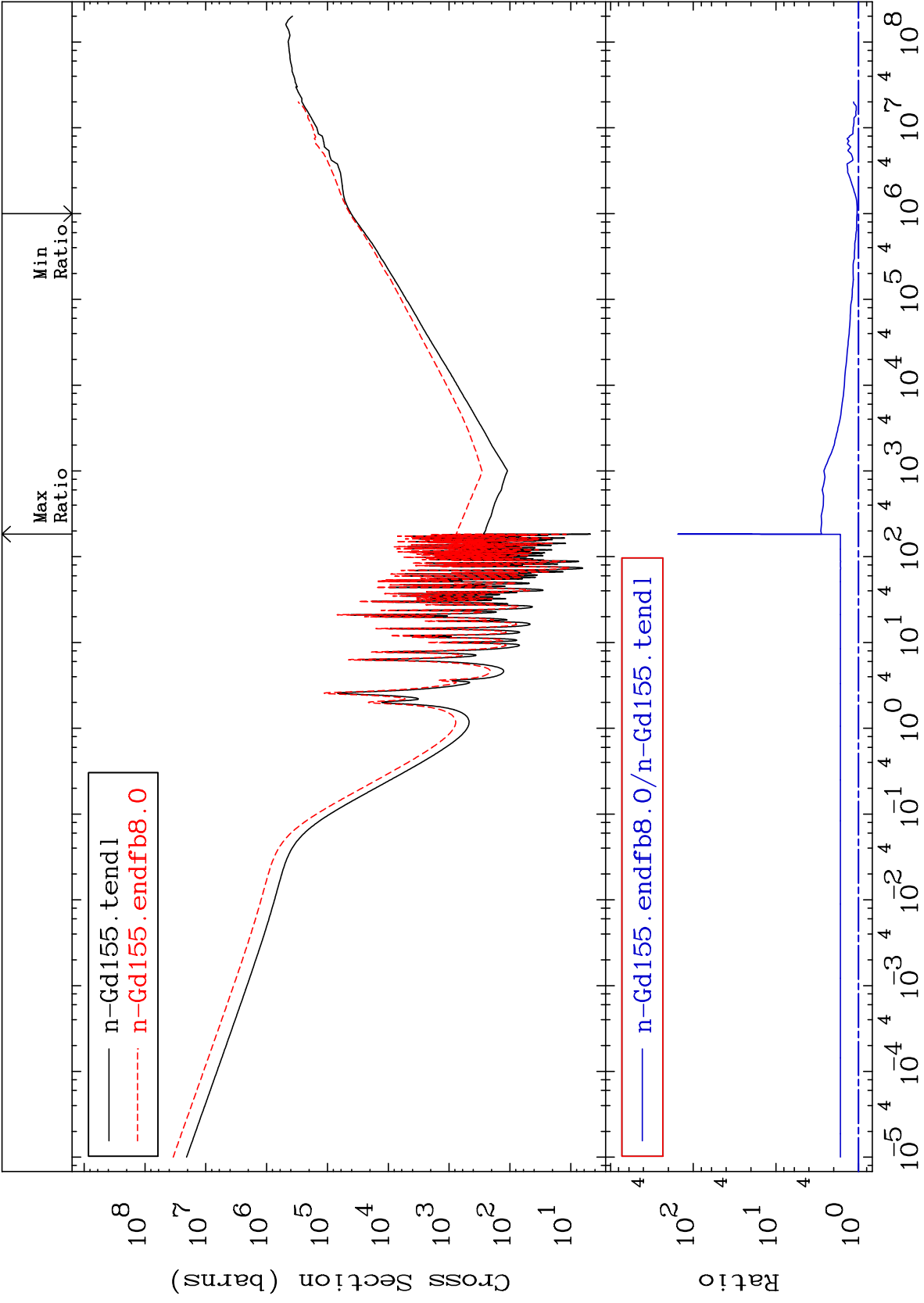
MAT 6434

Dpa total (eV-barns)

64-Gd-155

4.398 To 9999. %

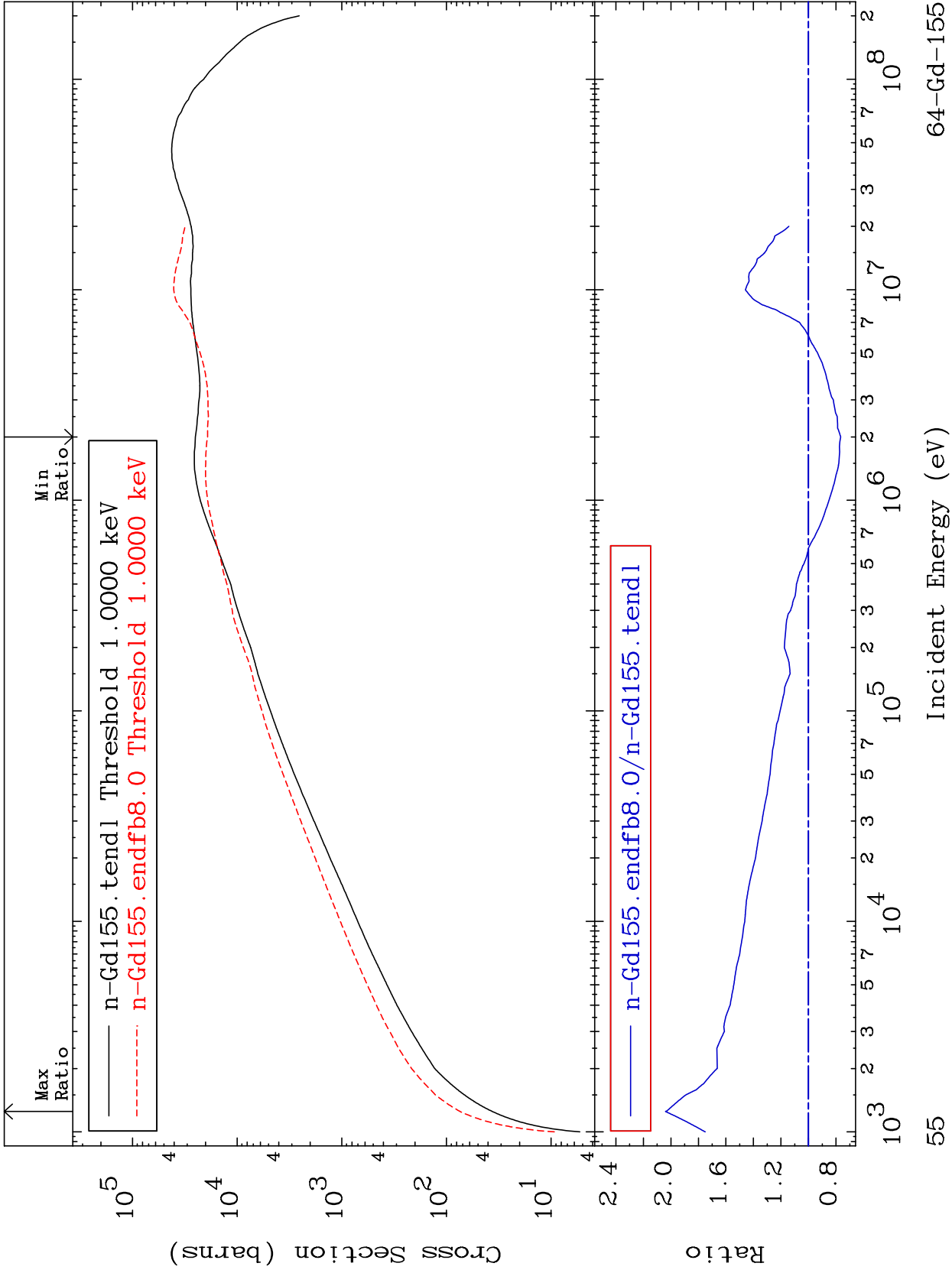
Cross Section



MAT 6434

Dpa elastic (mt2)
Cross Section

64-Gd-155
-23.39 To 103.9 %



55

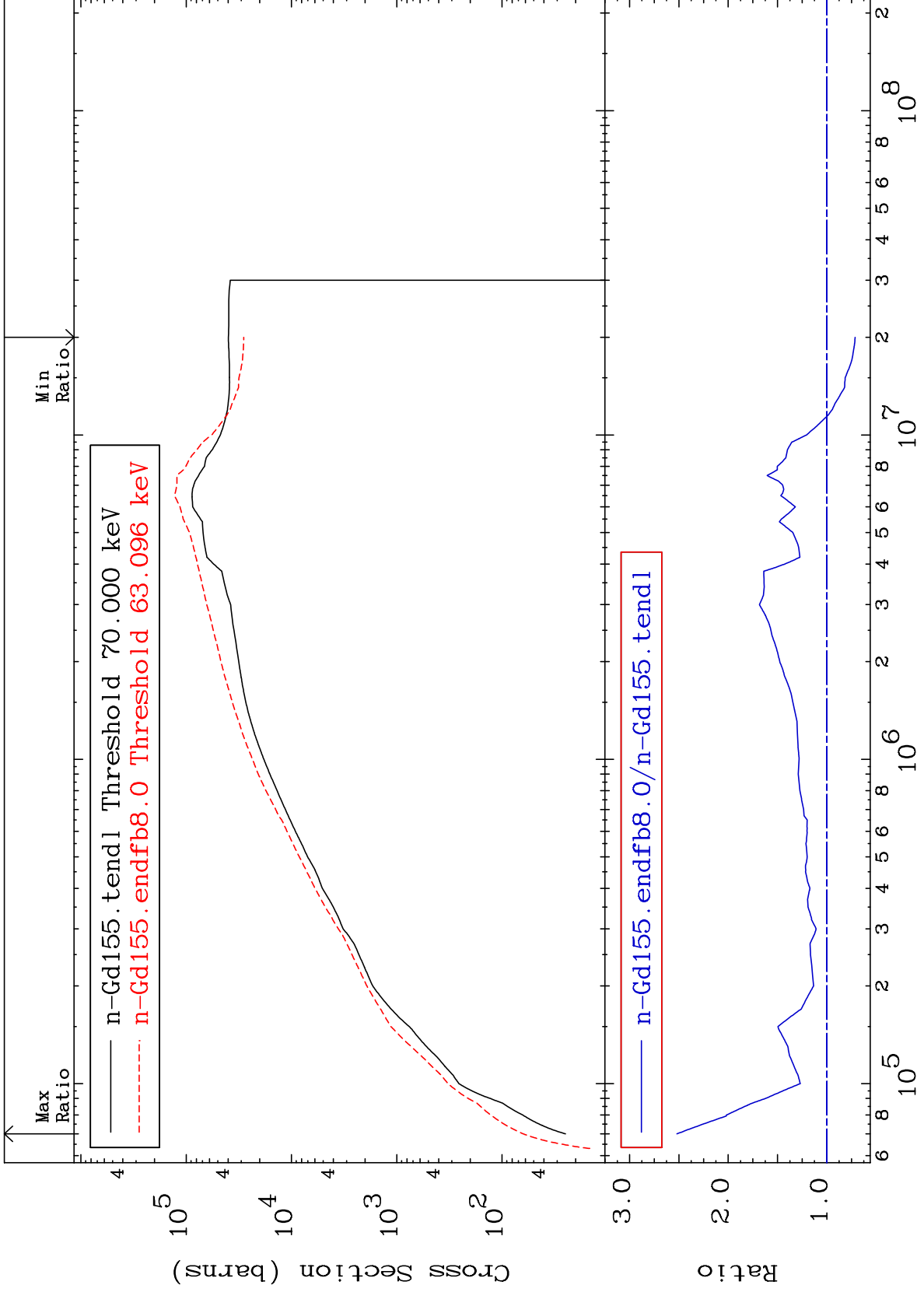
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa inelastic (mt51-91)
Cross Section

64-Gd-155
-28.62 To 152.0 %



56

Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-155
-78.09 To 9999. %

