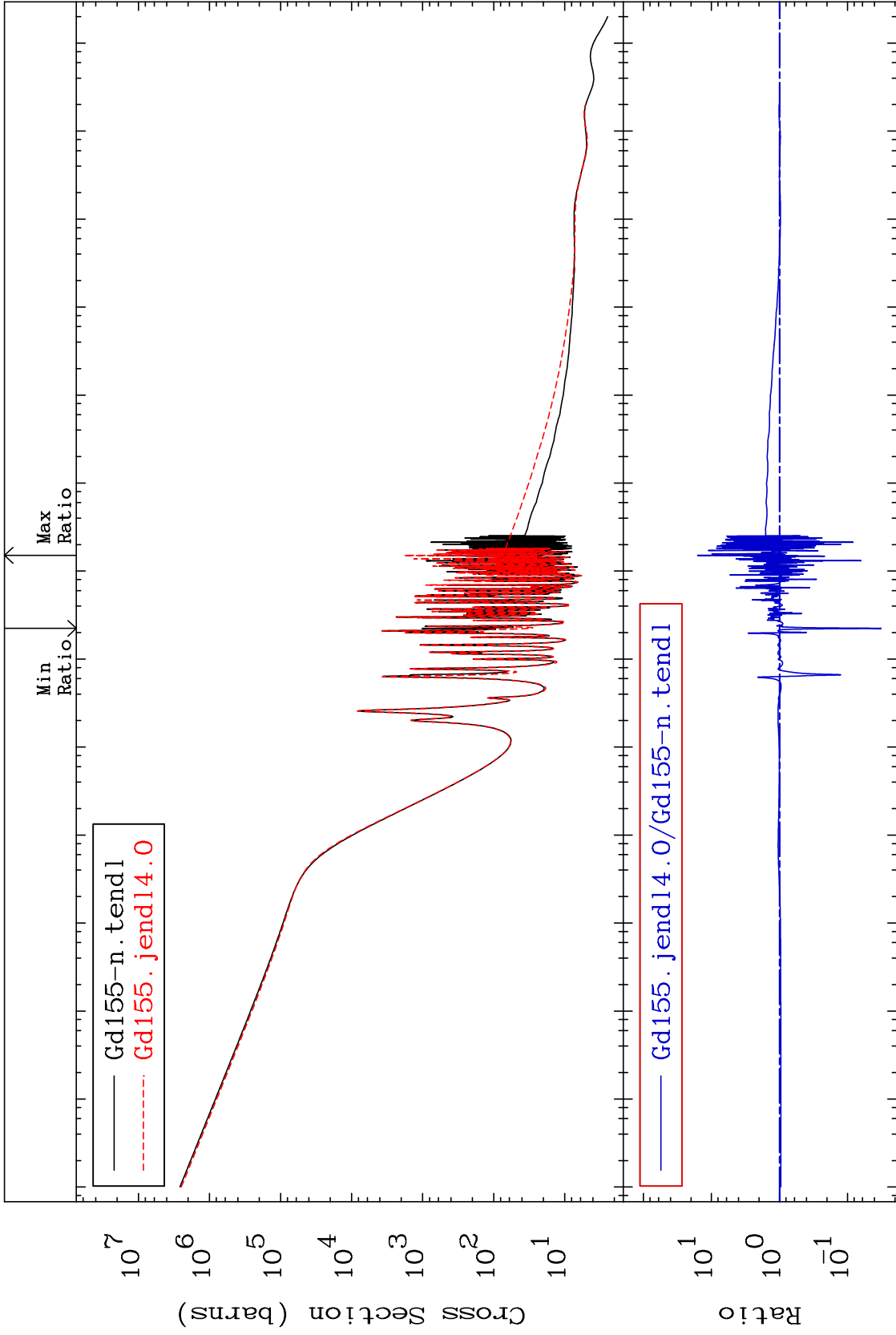


MAT 6434

Total
Cross Section

64-Gd-155
-96.80 To 1504. %



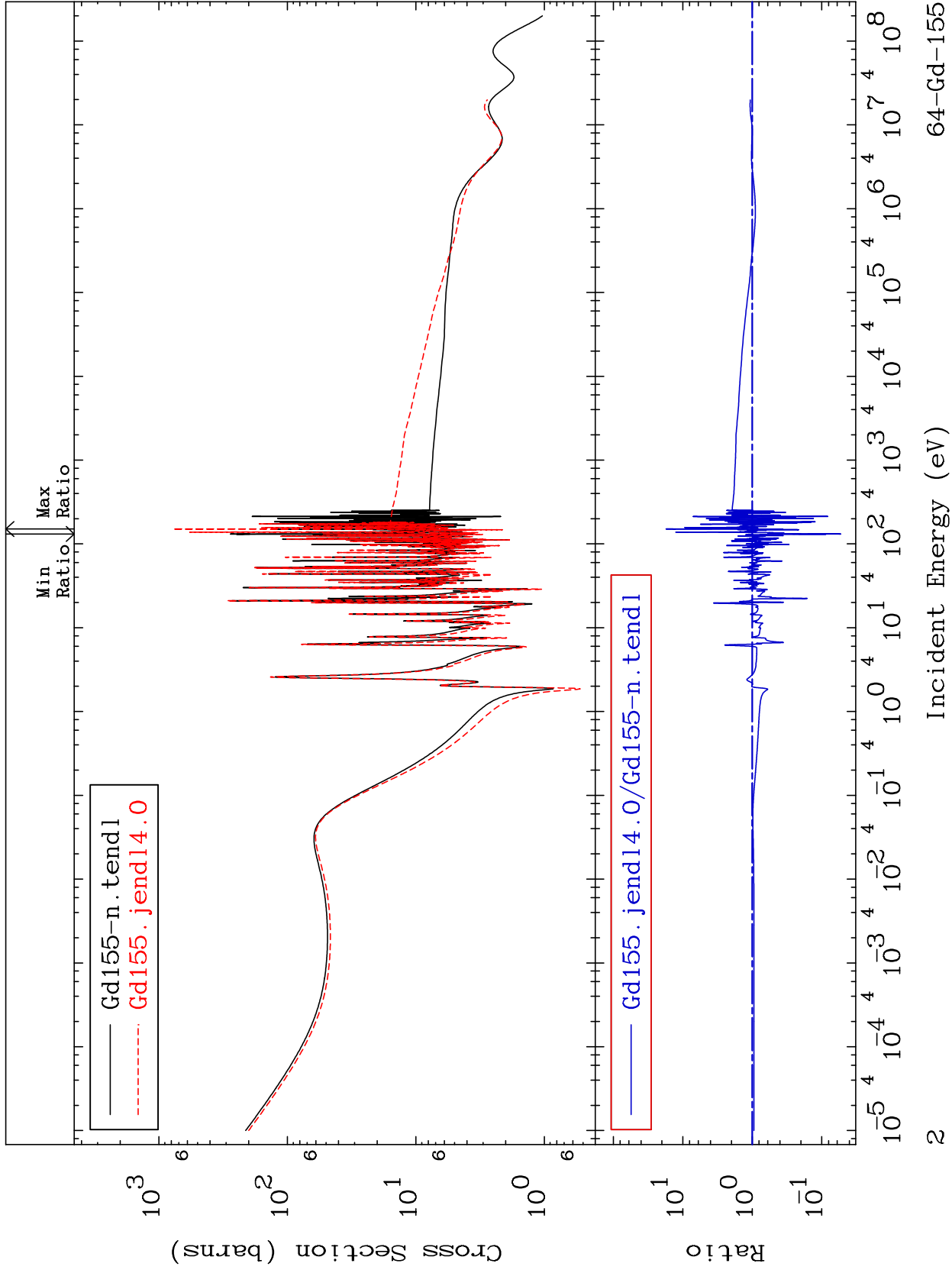
Incident Energy (eV)

64-Gd-155

MAT 6434

Elastic
Cross Section

64-Gd-155
-94.68 To 1649. %



64-Gd-155

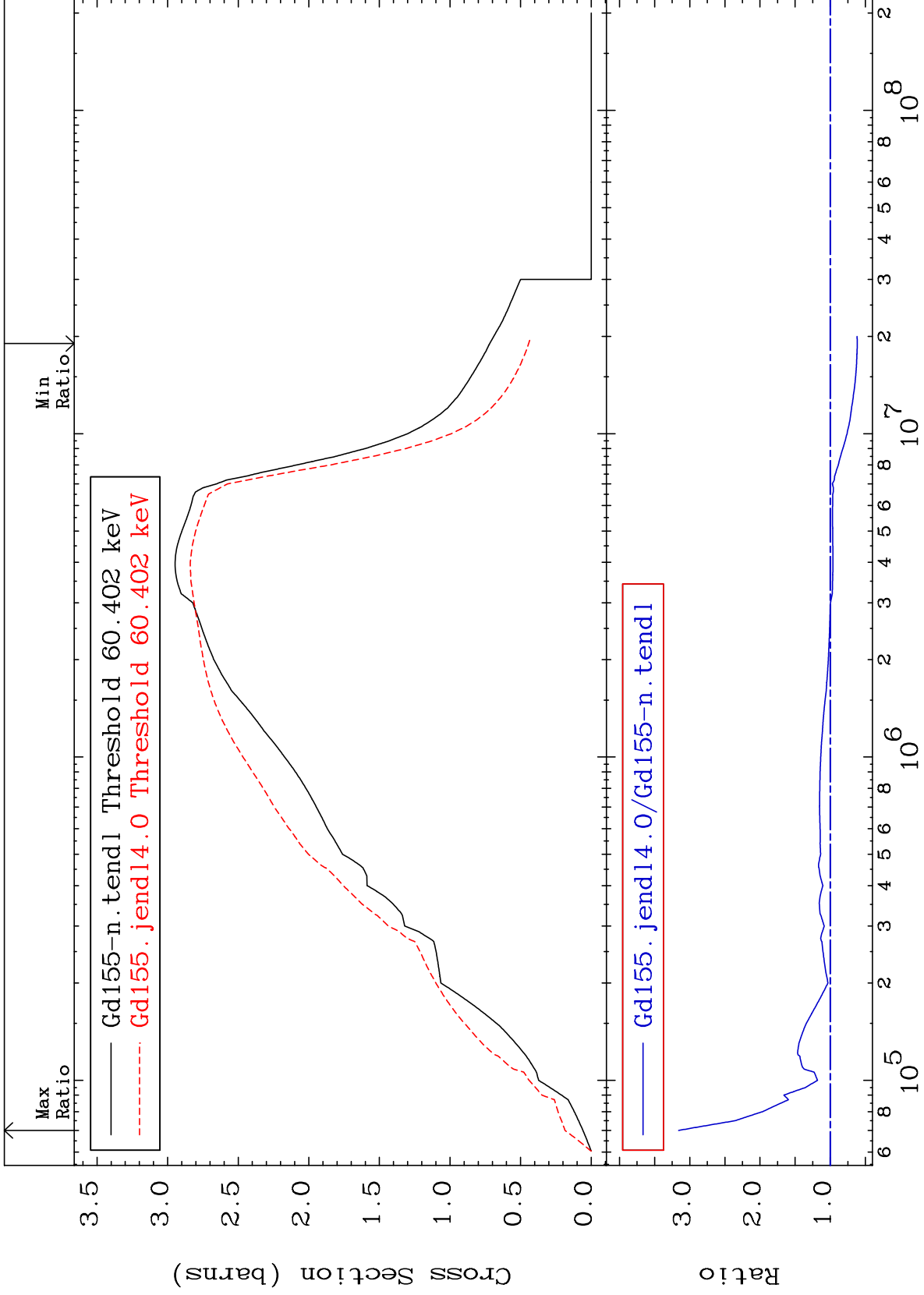
Incident Energy (eV)

2

MAT 6434

Inelastic
Cross Section

64-Gd-155
-38.38 To 215.8 %



3

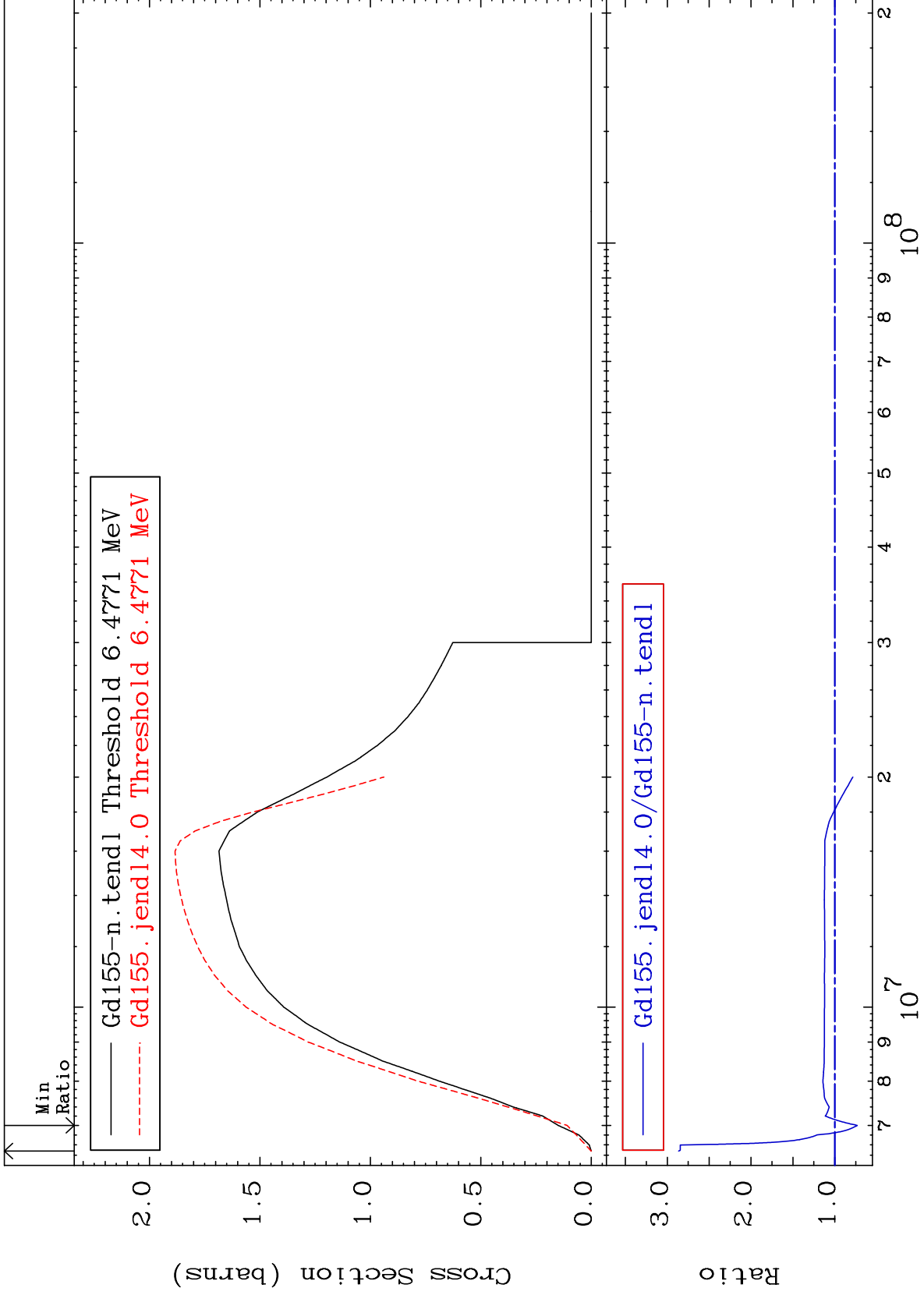
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,2n)
Cross Section

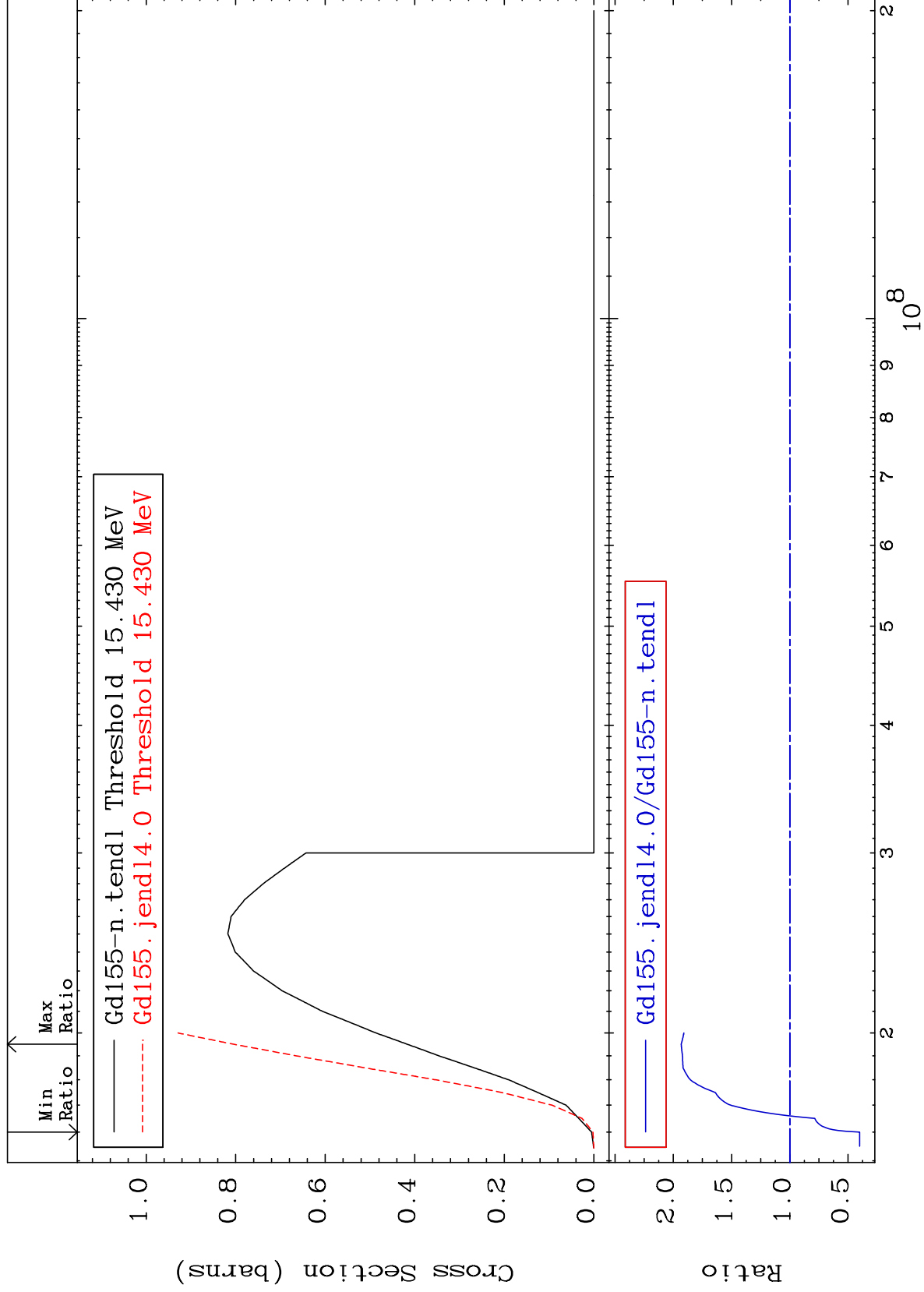
64-Gd-155
-26.85 To 186.4 %



4

Incident Energy (eV)

64-Gd-155



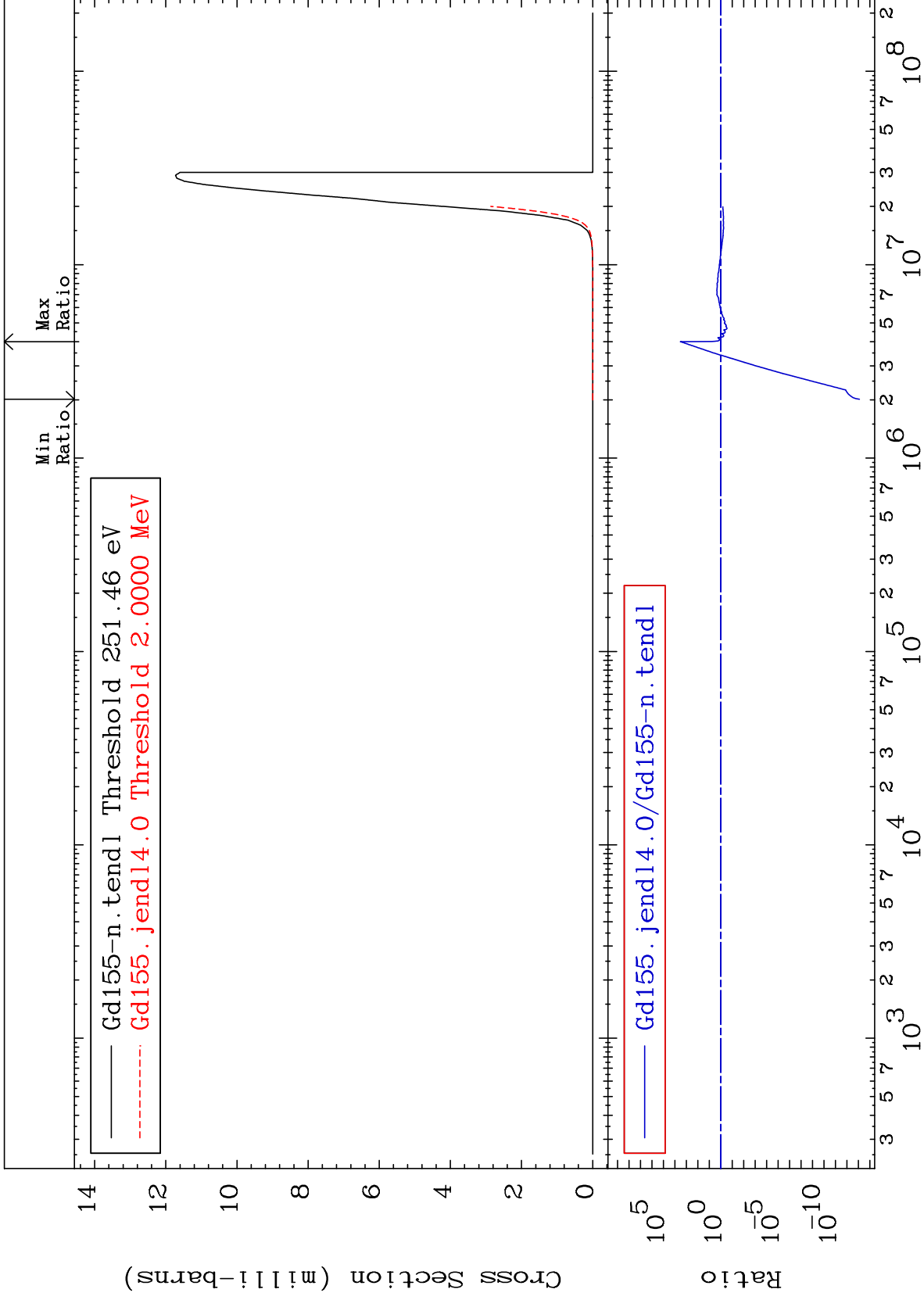
MAT 6434

(n, n') α

64-Gd-155

Cross Section

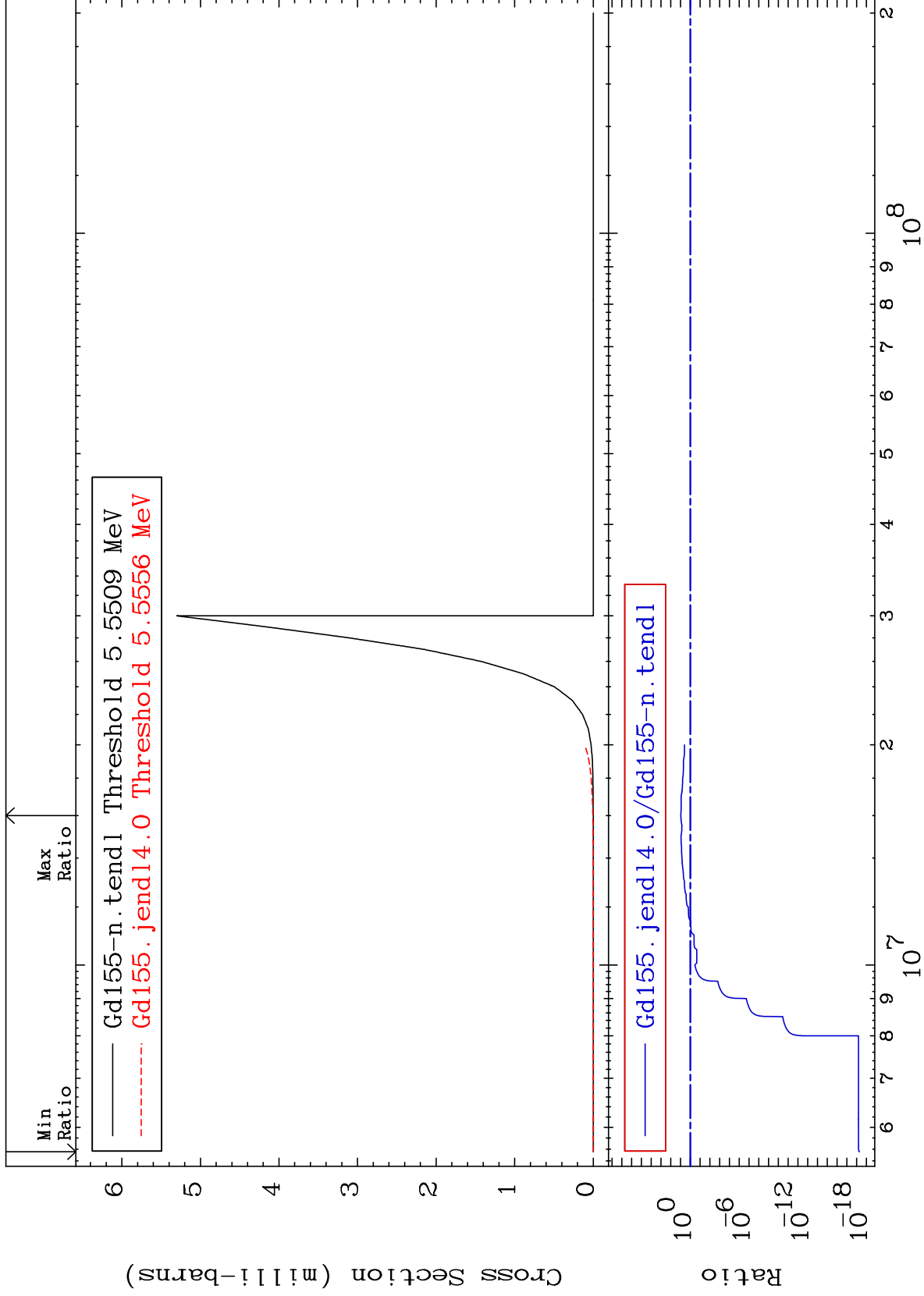
-100.0 To 9999. %



MAT 6434

(n,2n) α
Cross Section

64-Gd-155
-100.0 To 843.0 %



7

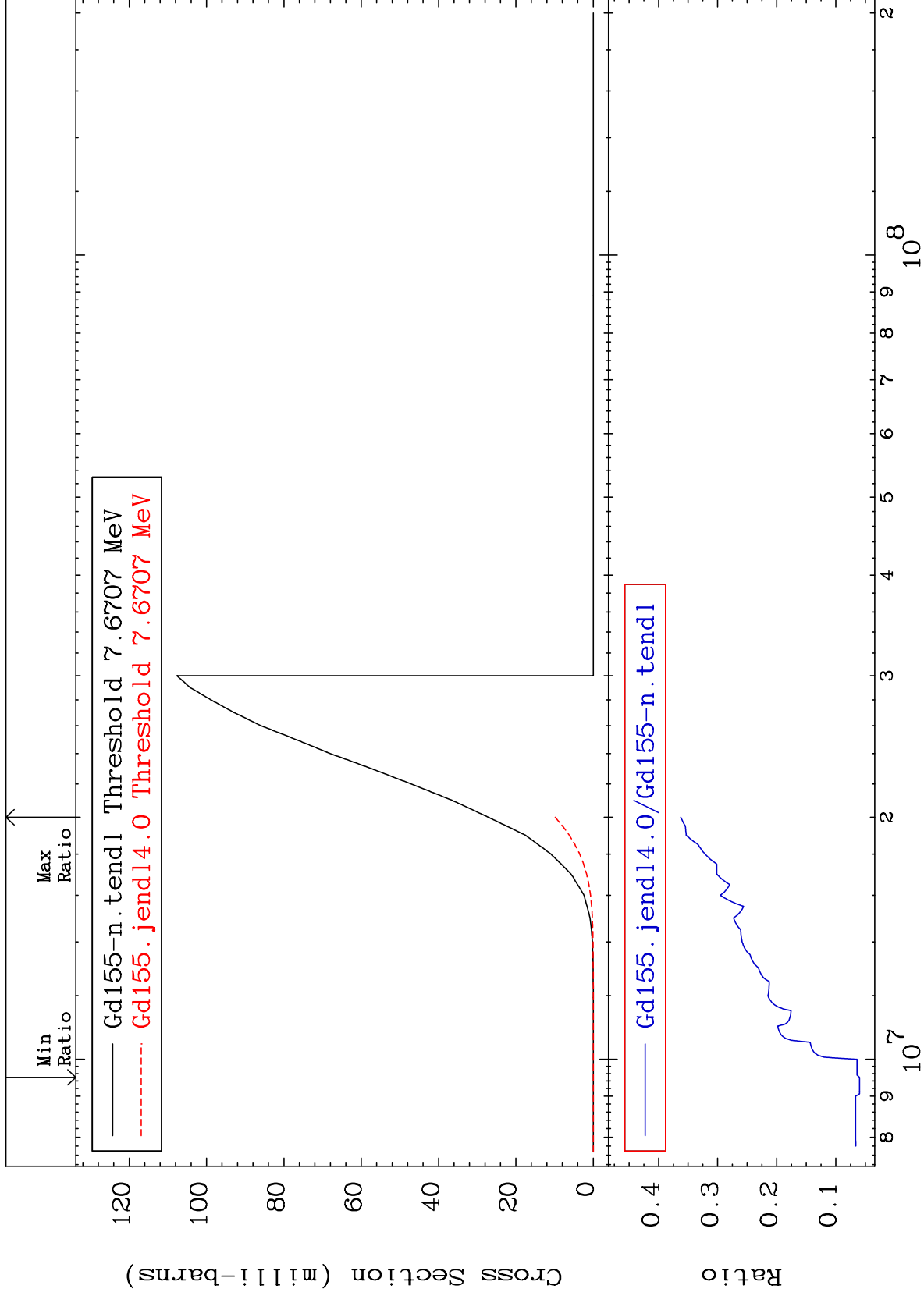
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,n') p
Cross Section

64-Gd-155
-94.02 To -63.76%



8

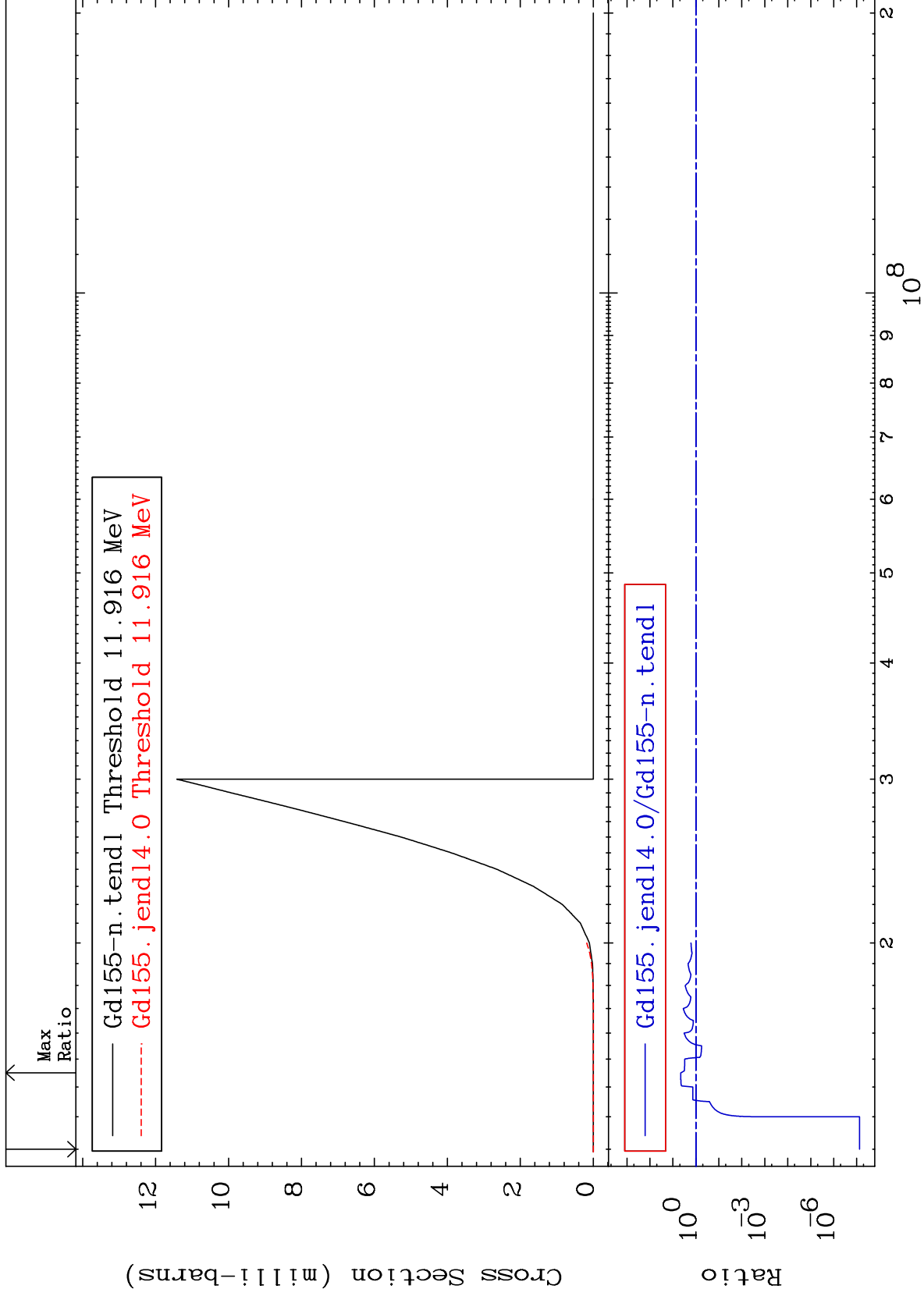
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,n') d
Cross Section

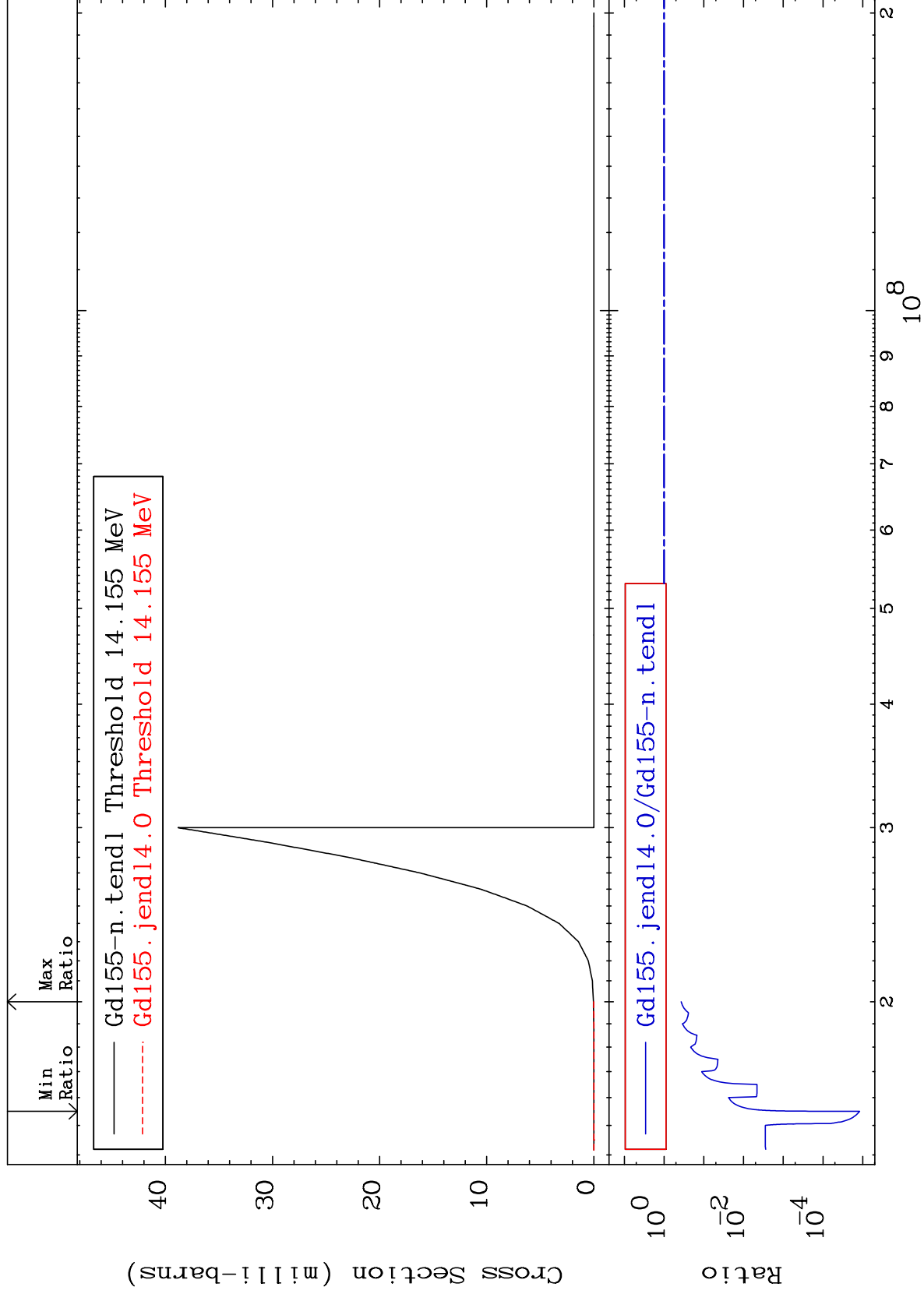
64-Gd-155
-100.0 To 354.2 %



MAT 6434

(n,2n) p
Cross Section

64-Gd-155
-100.0 To -62.89%



10

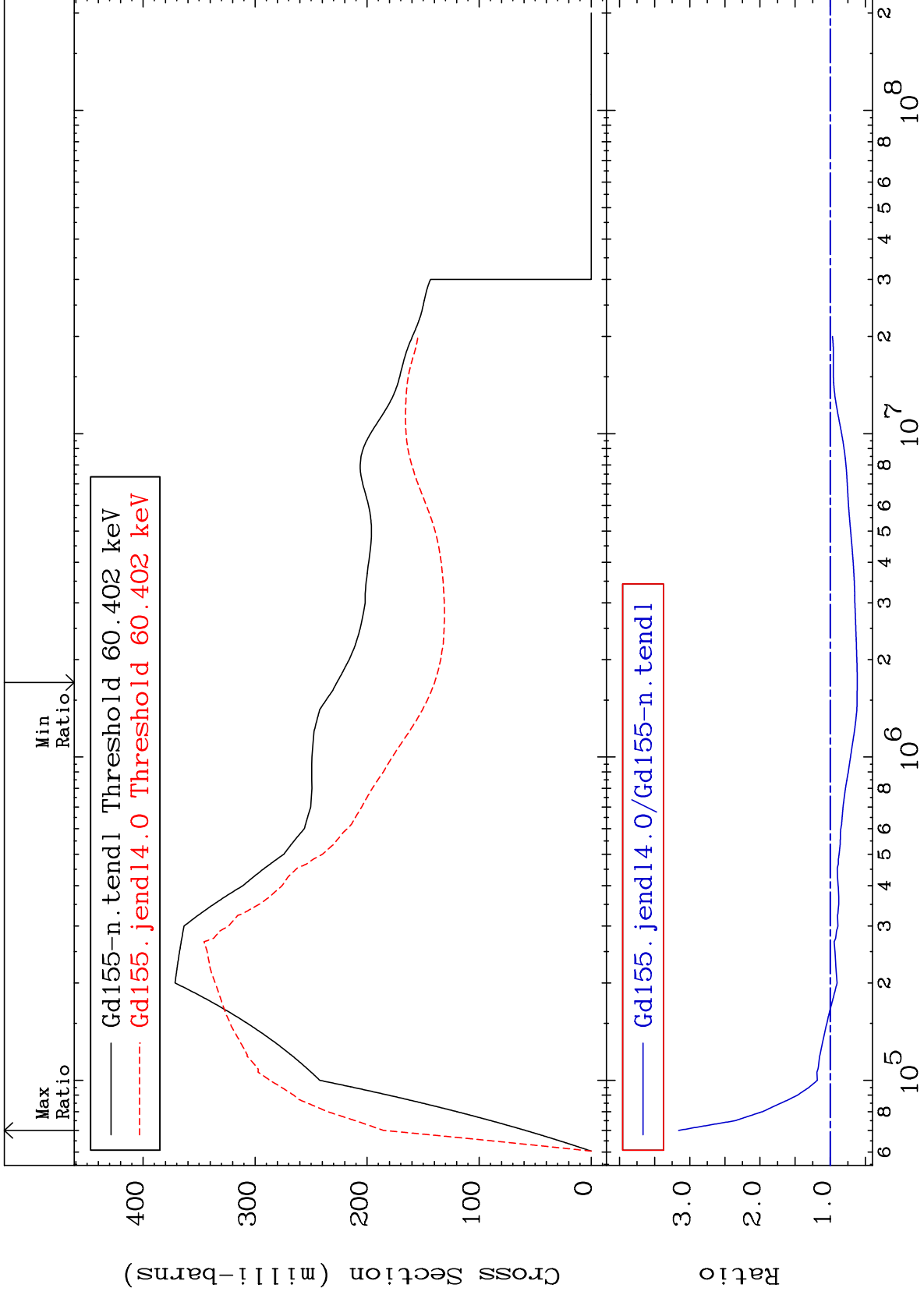
Incident Energy (eV)

64-Gd-155

MAT 6434

60.01 keV (n,n') Level
Cross Section

64-Gd-155
-38.40 To 215.8 %



11

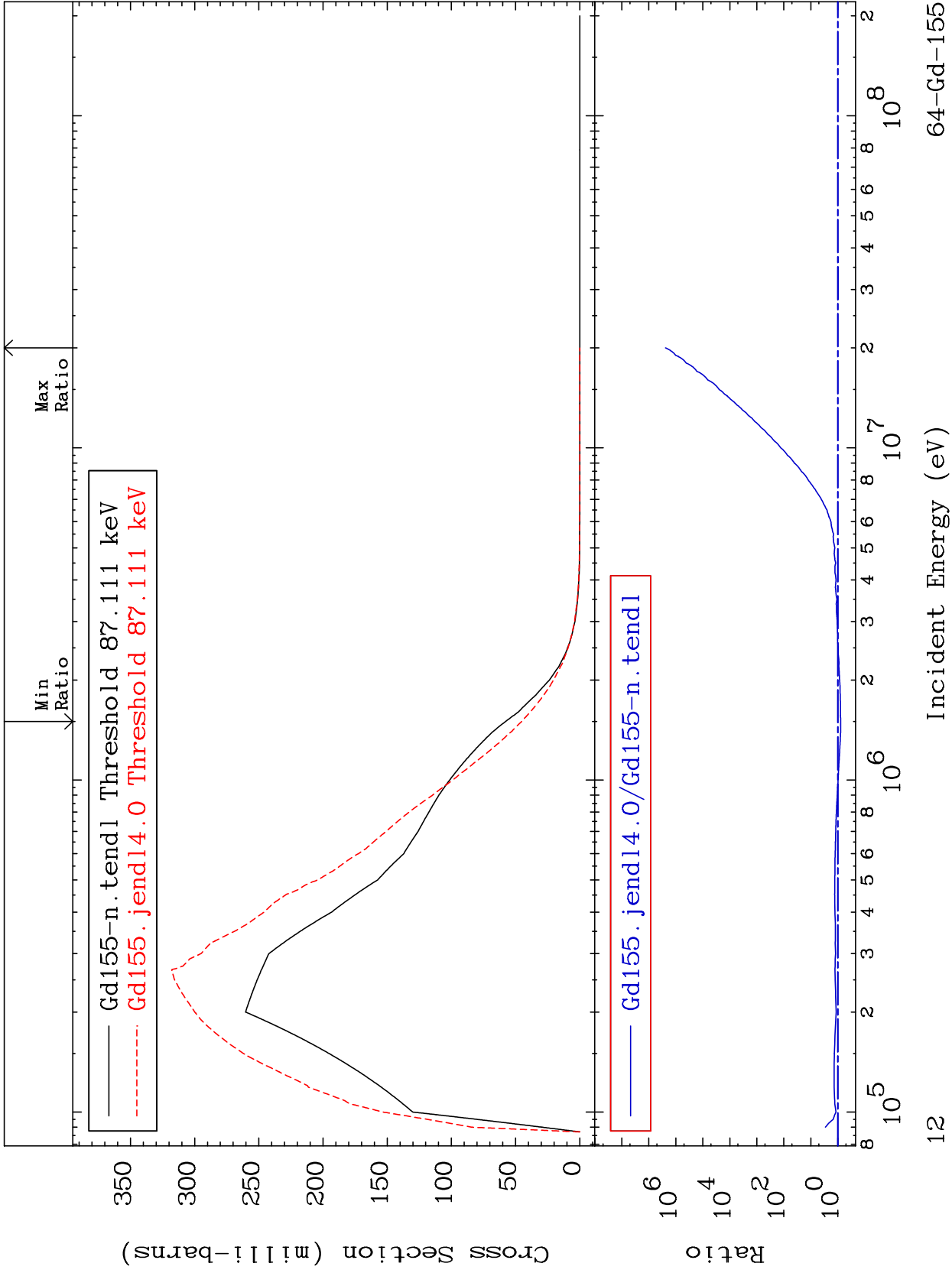
Incident Energy (eV)

64-Gd-155

MAT 6434

86.55 keV (n,n') Level
Cross Section

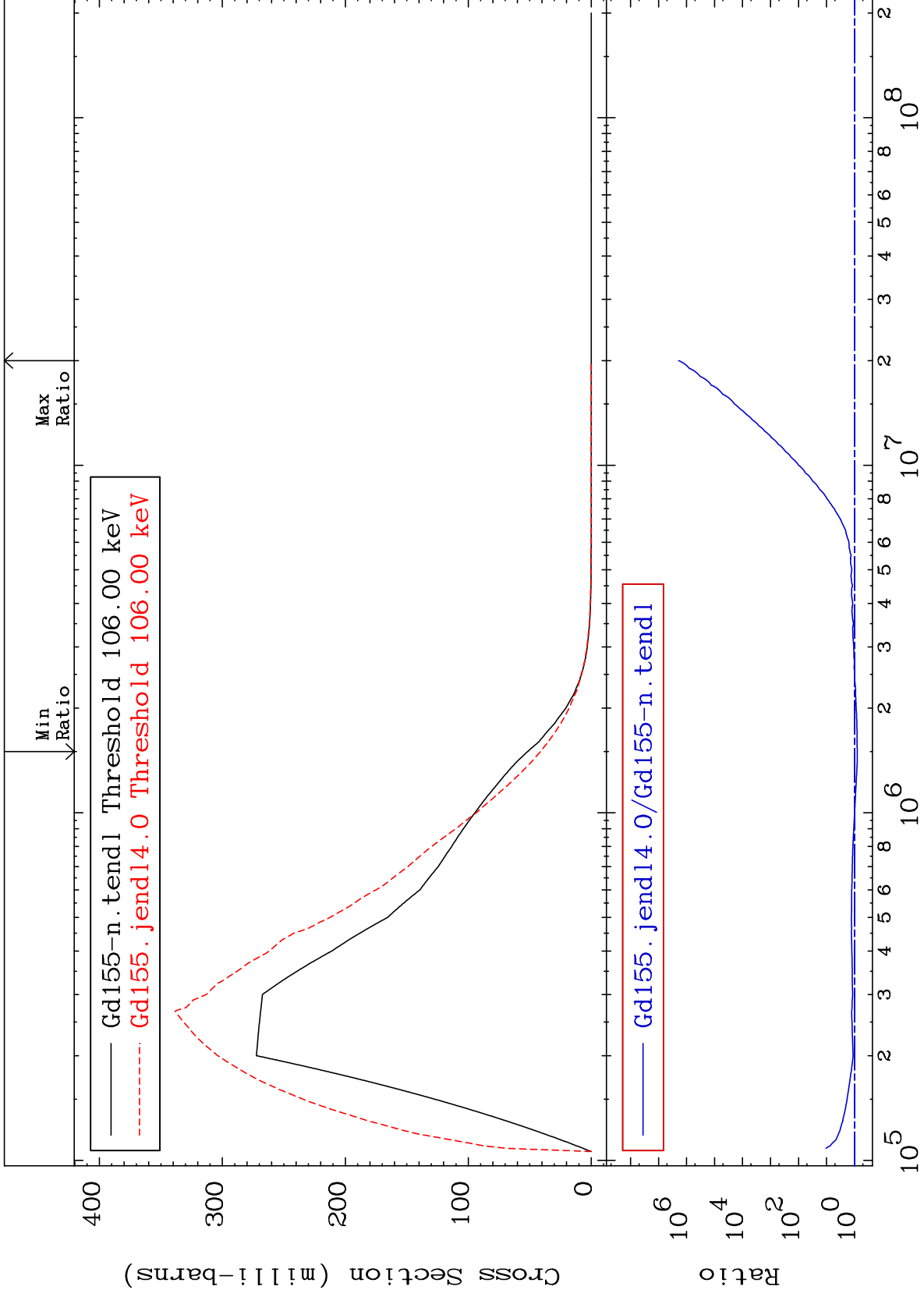
64-Gd-155
-21.62 To 9999. %



MAT 6434

105.3 keV (n,n') Level
Cross Section

64-Gd-155
-20.29 To 9999. %



13

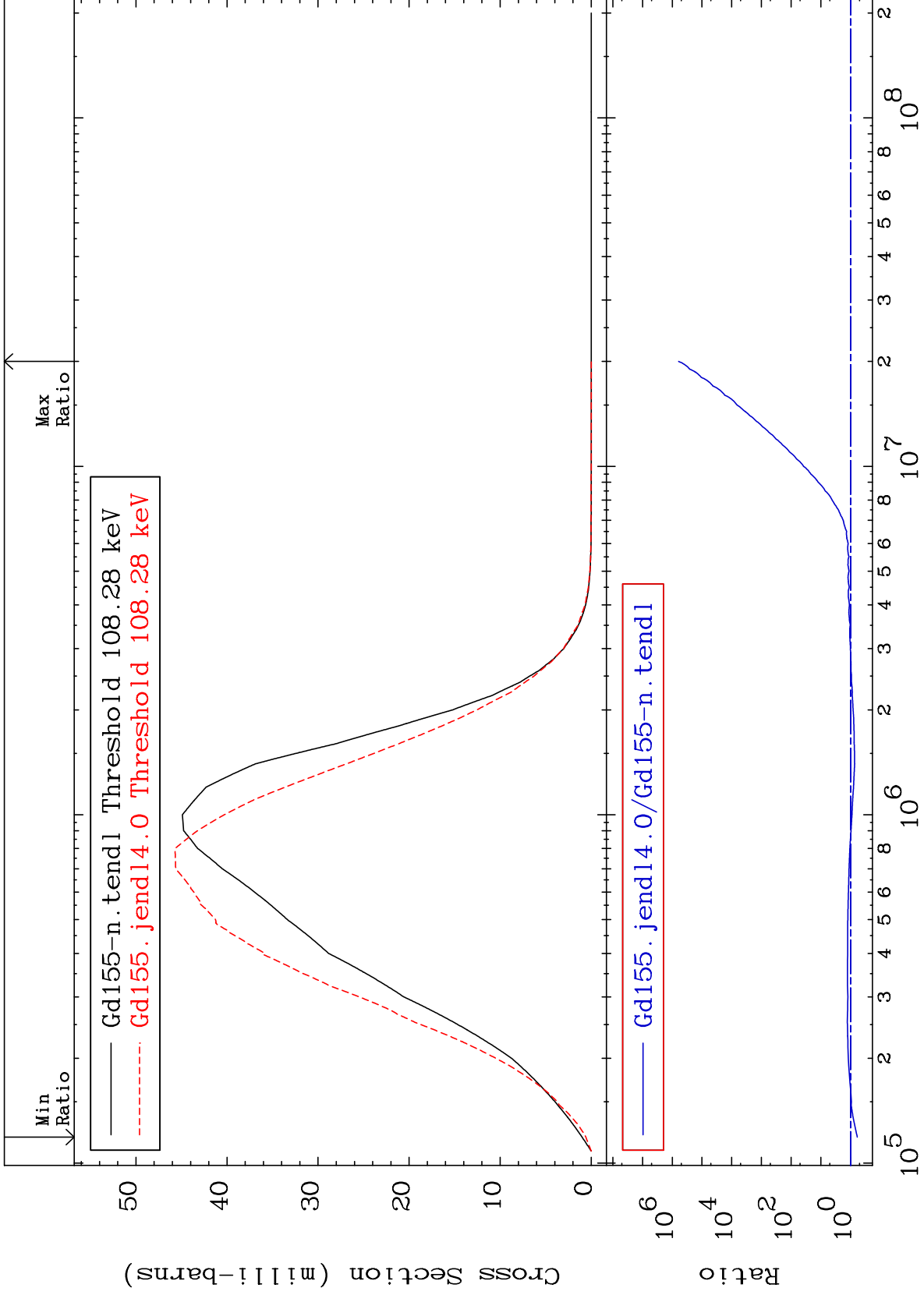
Incident Energy (eV)

64-Gd-155

MAT 6434

107.6 keV (n,n') Level
Cross Section

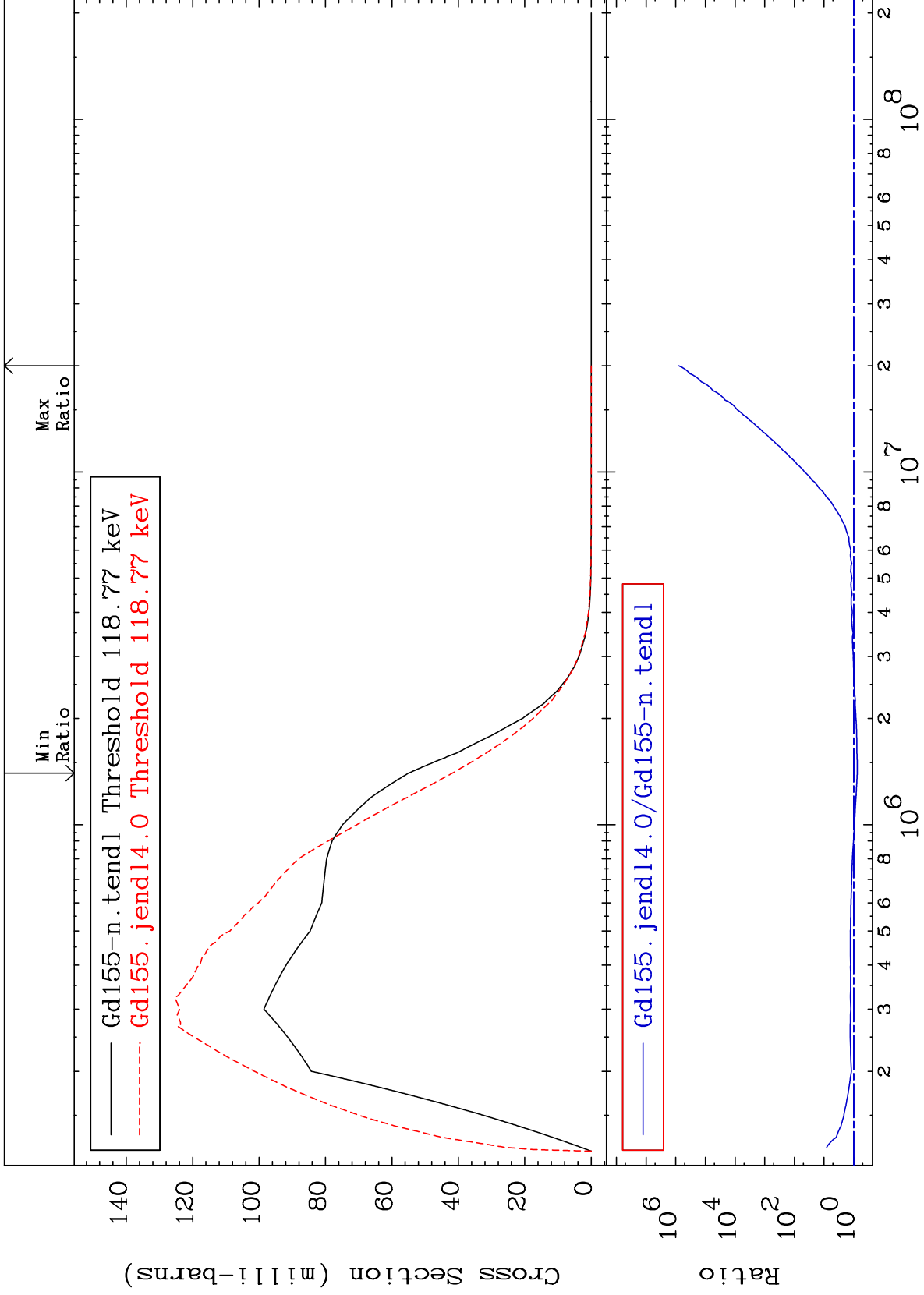
64-Gd-155
-40.44 To 9999. %



MAT 6434

118.0 keV (n,n') Level
Cross Section

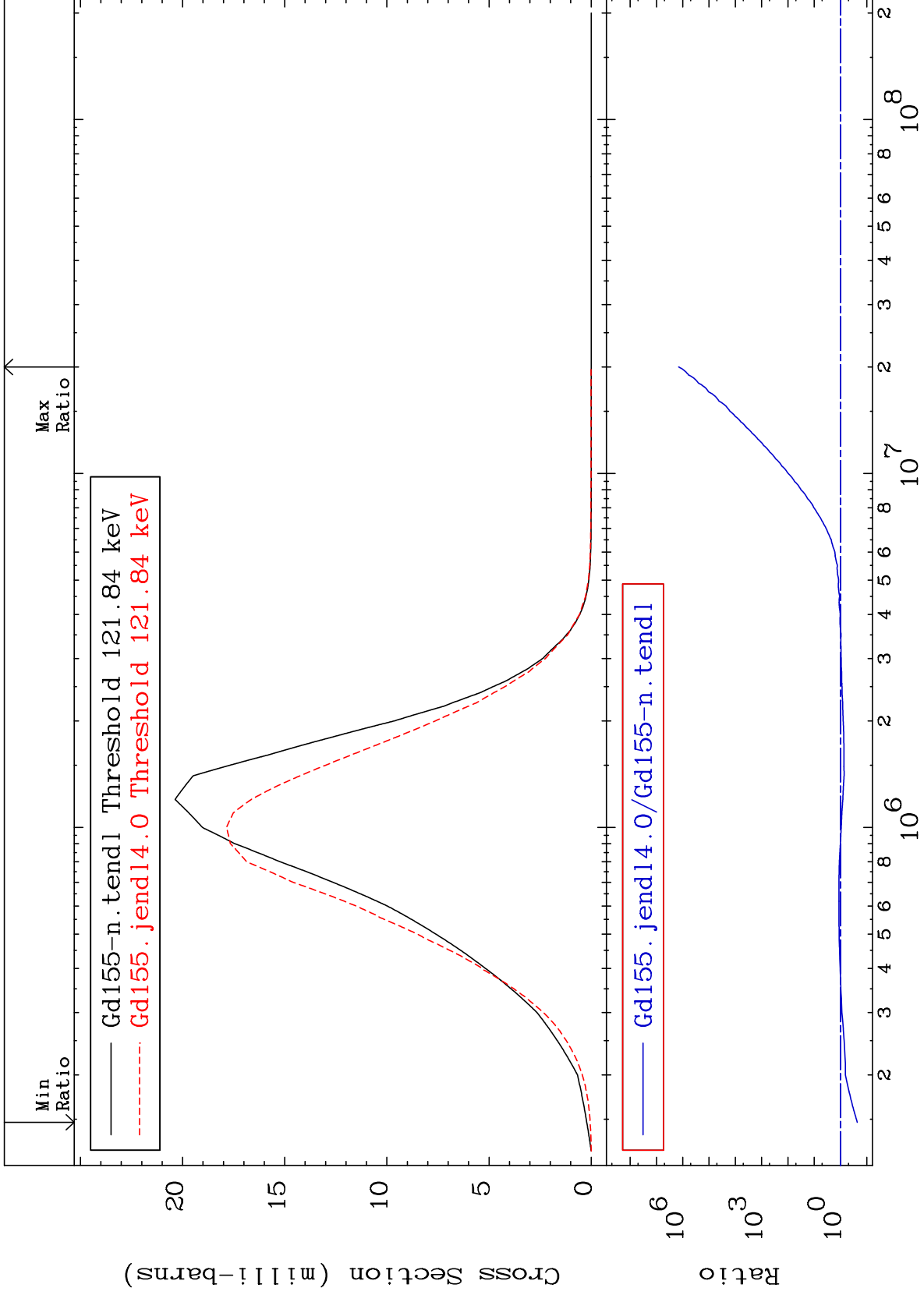
64-Gd-155
-24.02 To 9999. %



MAT 6434

121.1 keV (n,n') Level
Cross Section

64-Gd-155
-76.95 To 9999. %



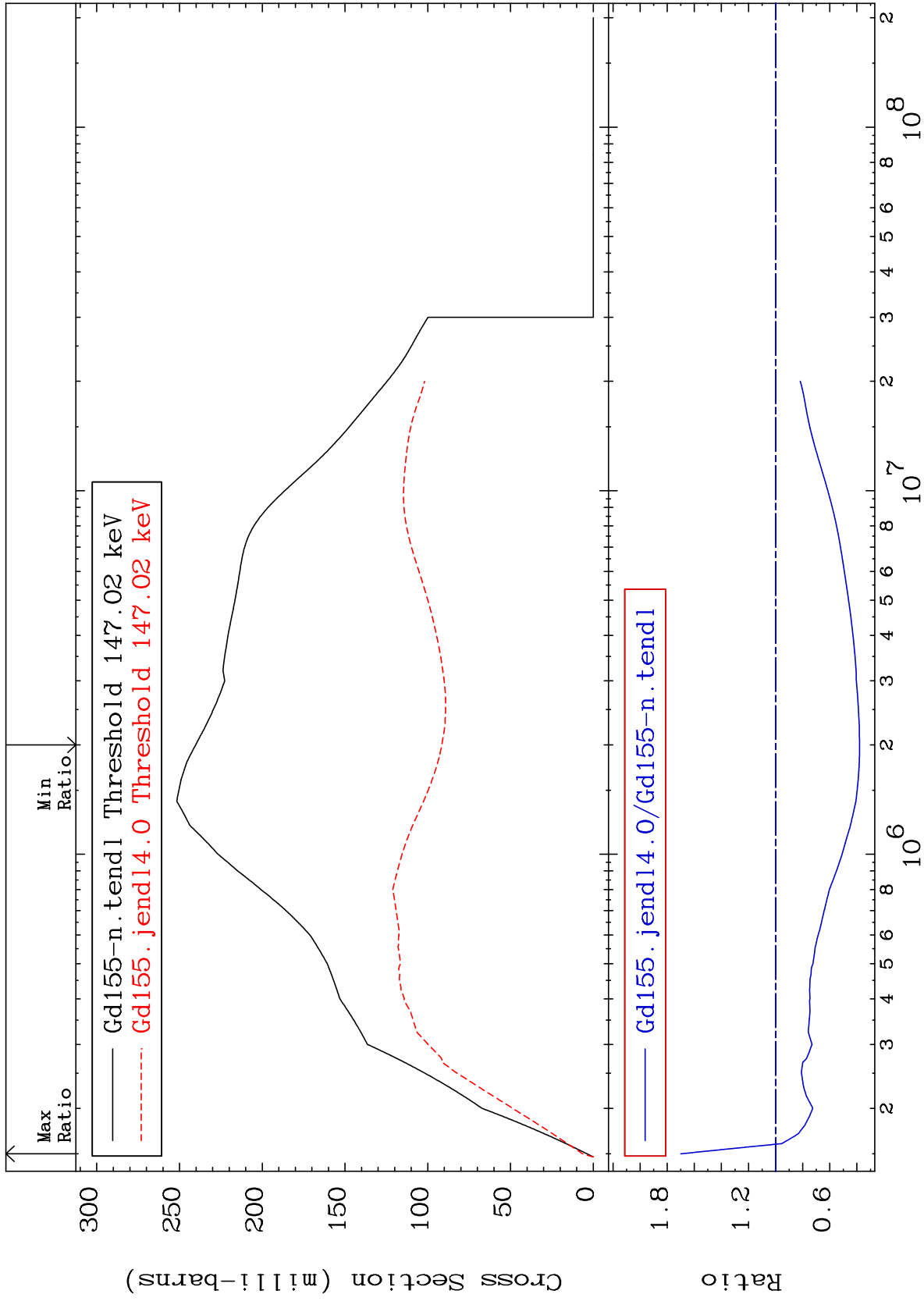
MAT 6434

146.1 keV (n,n') Level

64-Gd-155

-61.93 To 69.98 %

Cross Section



17

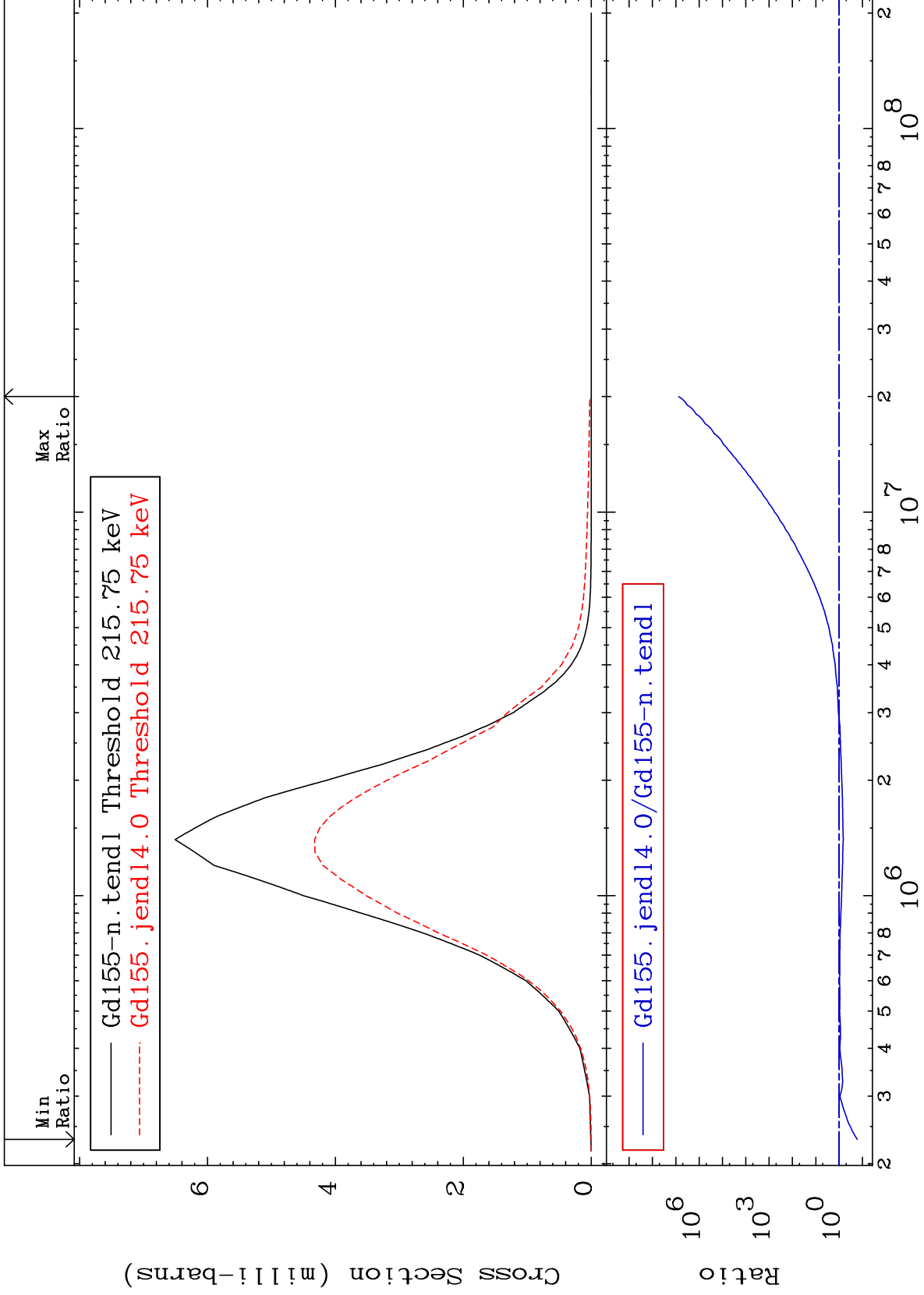
Incident Energy (eV)

64-Gd-155

MAT 6434

214.4 keV (n,n') Level
Cross Section

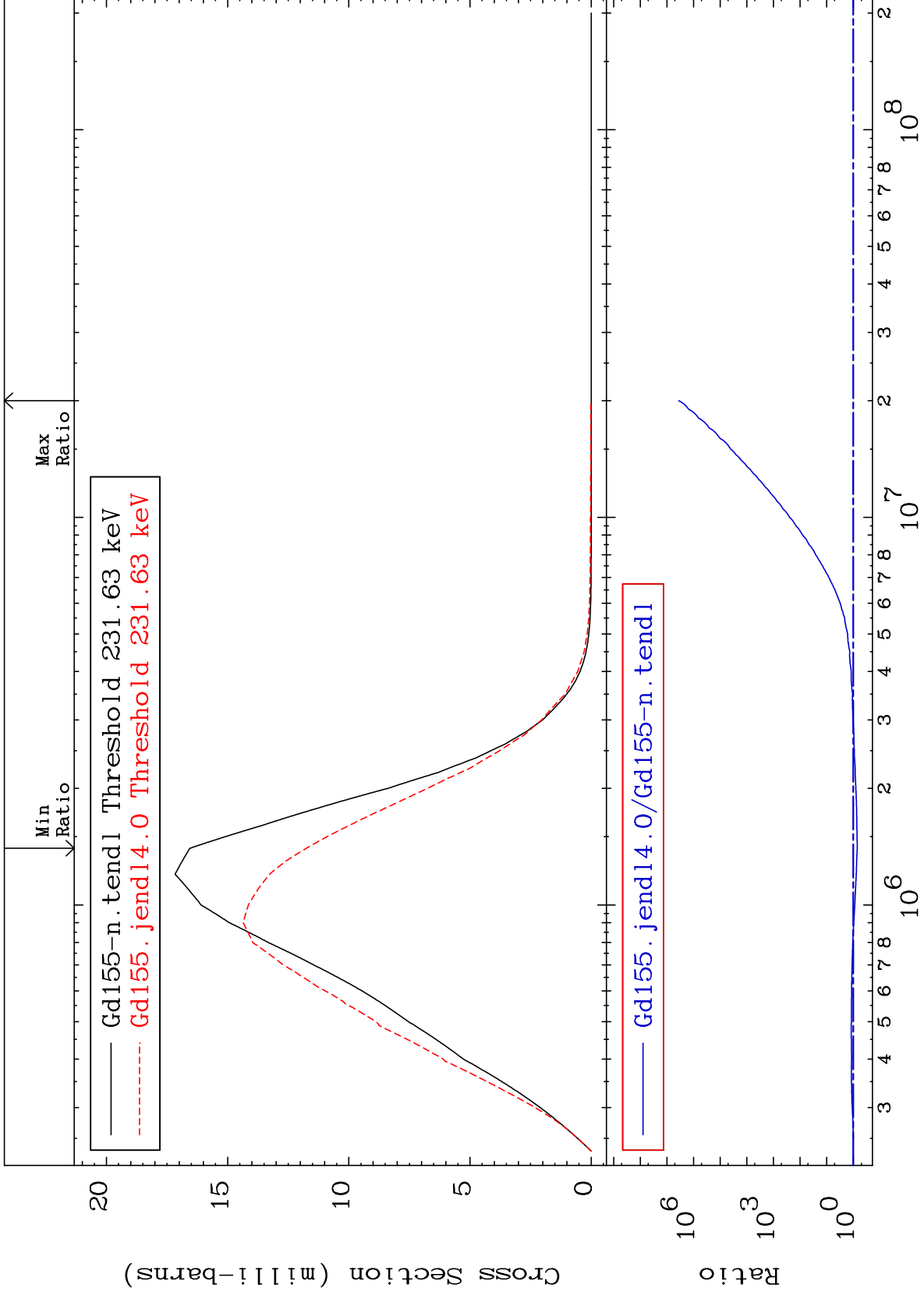
64-Gd-155
-83.31 To 9999. %



MAT 6434

230.1 keV (n,n') Level
Cross Section

64-Gd-155
-29.01 To 9999. %



19

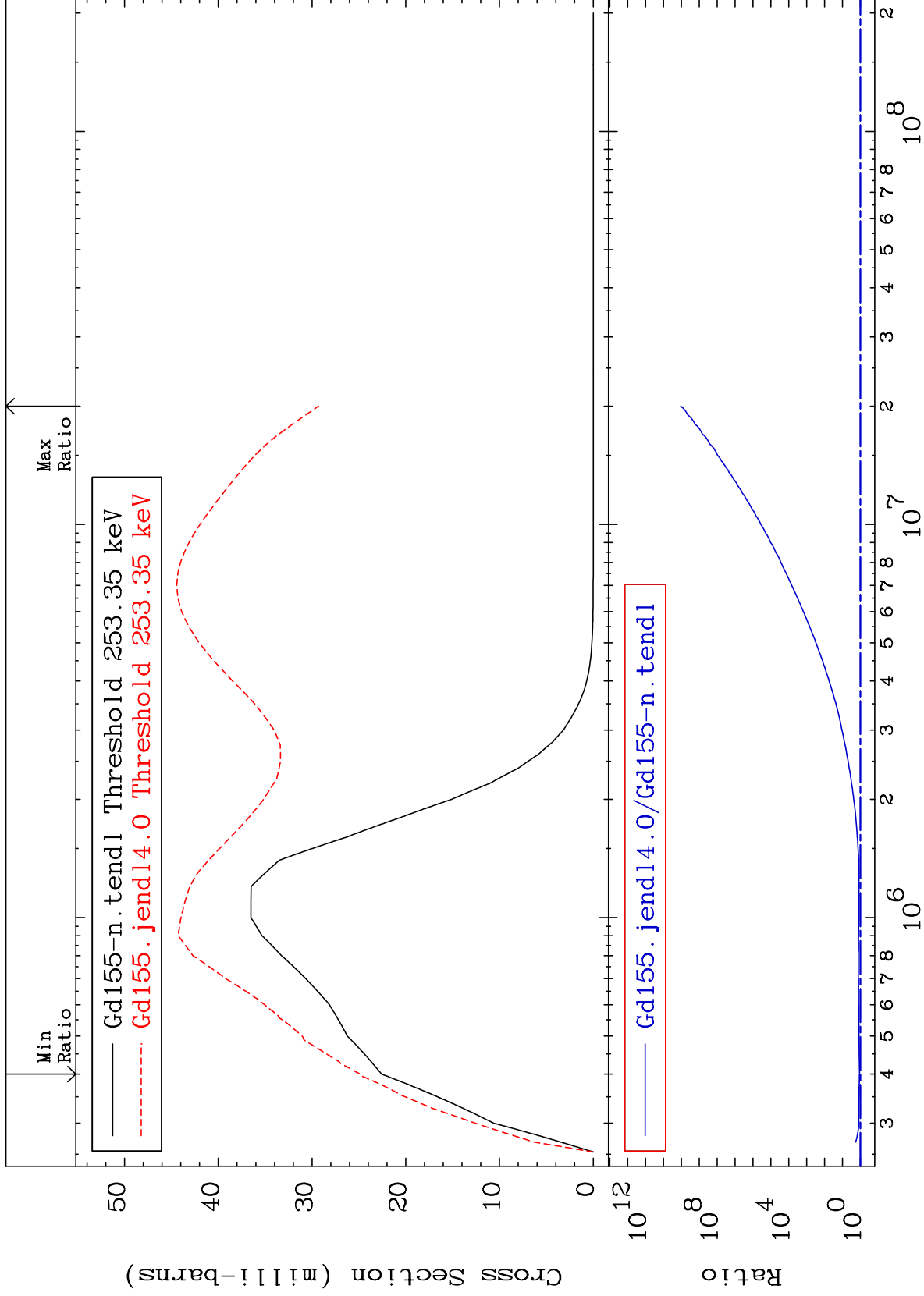
Incident Energy (eV)

64-Gd-155

MAT 6434

251.7 keV (n,n') Level
Cross Section

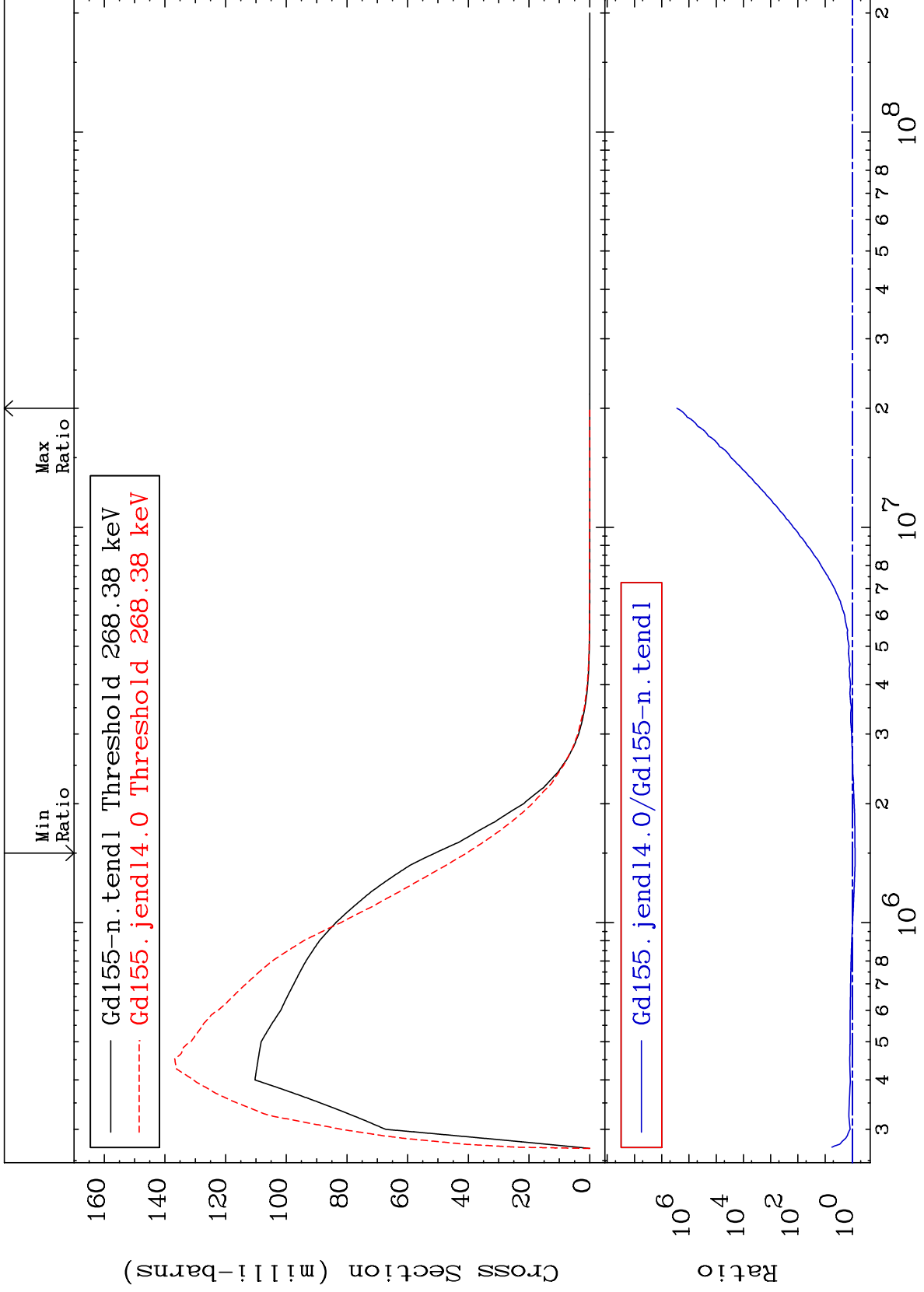
64-Gd-155
10.20 To 9999. %



MAT 6434

266.6 keV (n,n') Level
Cross Section

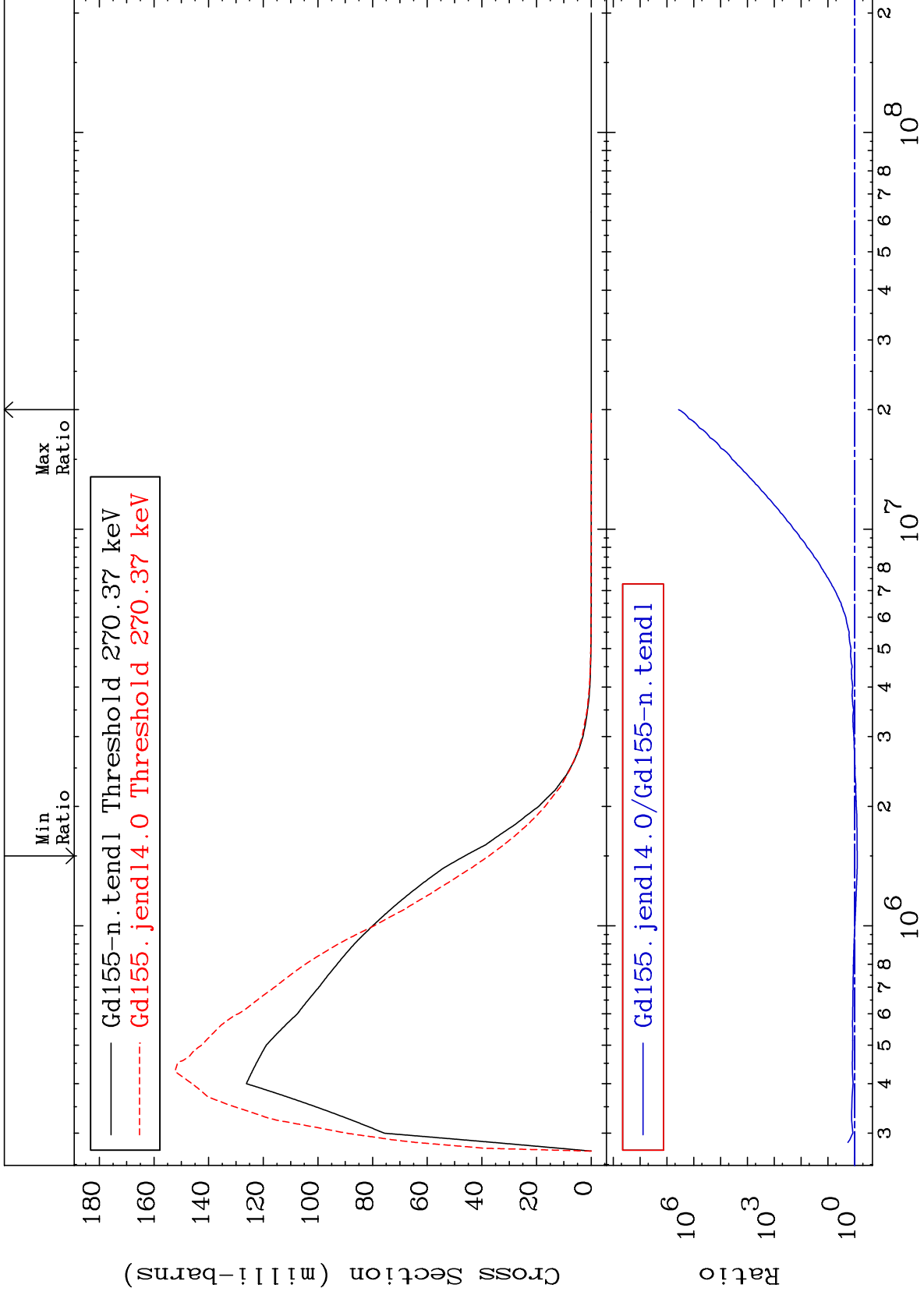
64-Gd-155
-20.41 To 9999. %



MAT 6434

268.6 keV (n,n') Level
Cross Section

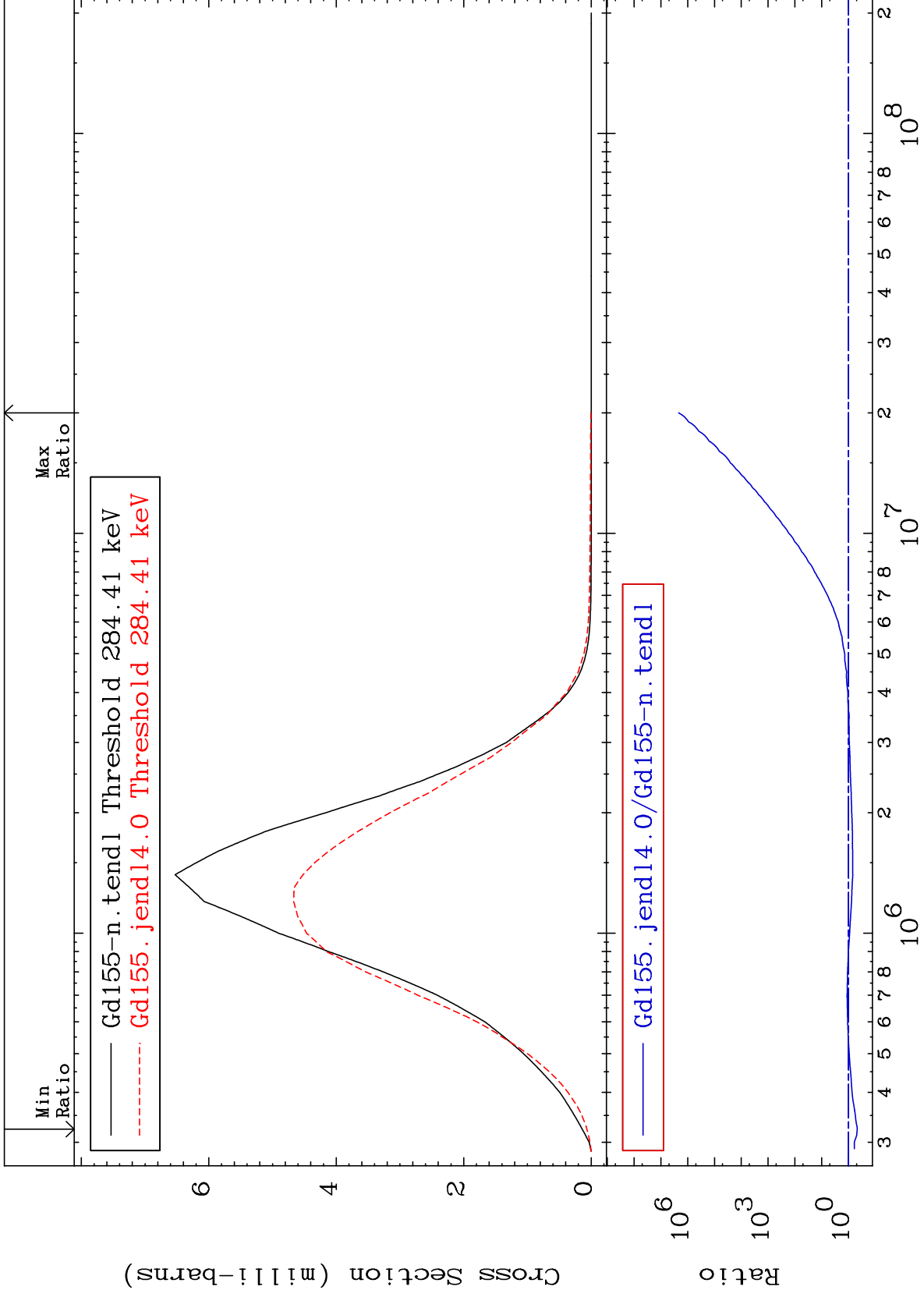
64-Gd-155
-19.11 To 9999. %



MAT 6434

282.6 keV (n,n') Level
Cross Section

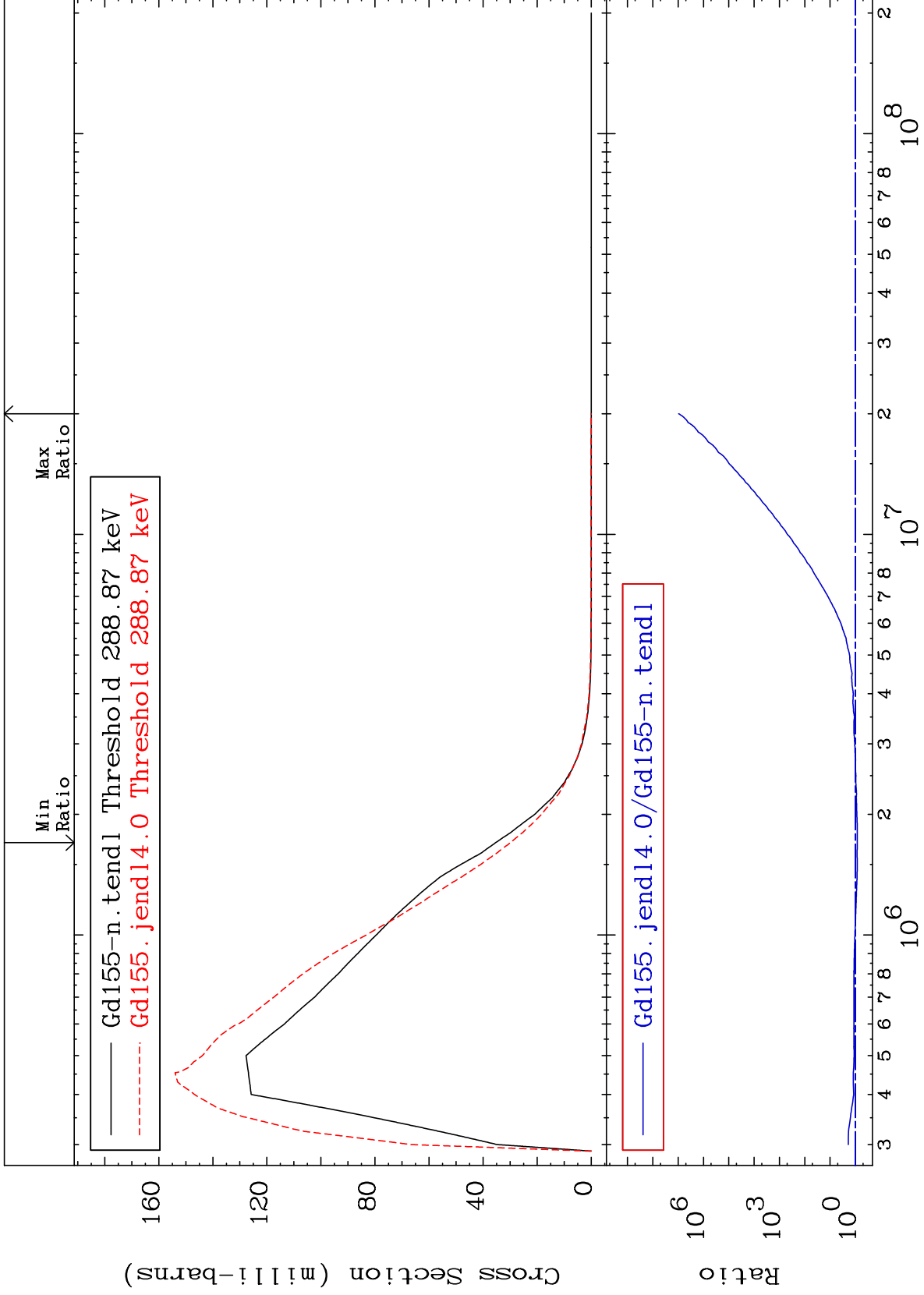
64-Gd-155
-52.84 To 9999. %



MAT 6434

287.0 keV (n,n') Level
Cross Section

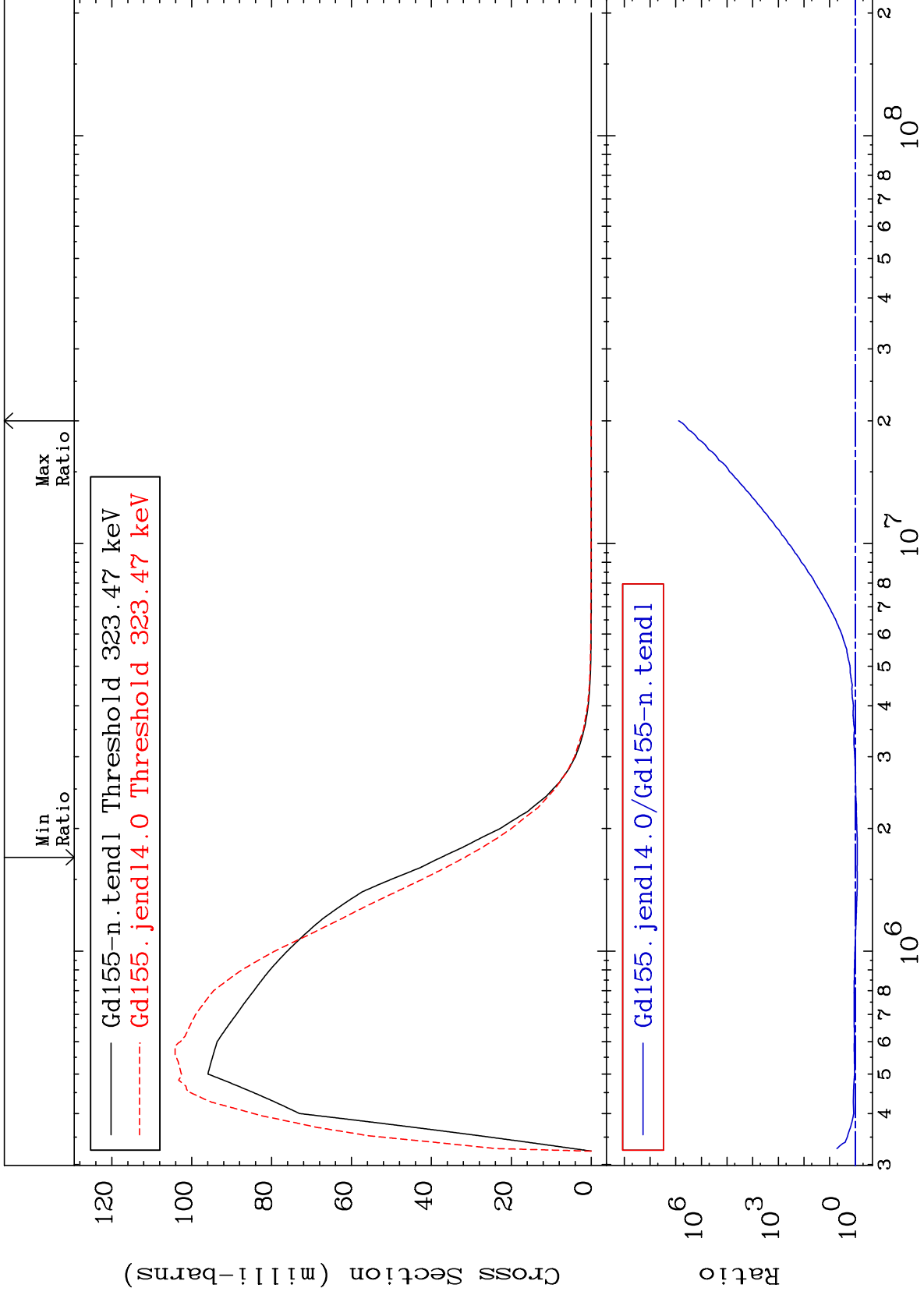
64-Gd-155
-15.43 To 9999. %



MAT 6434

321.4 keV (n,n') Level
Cross Section

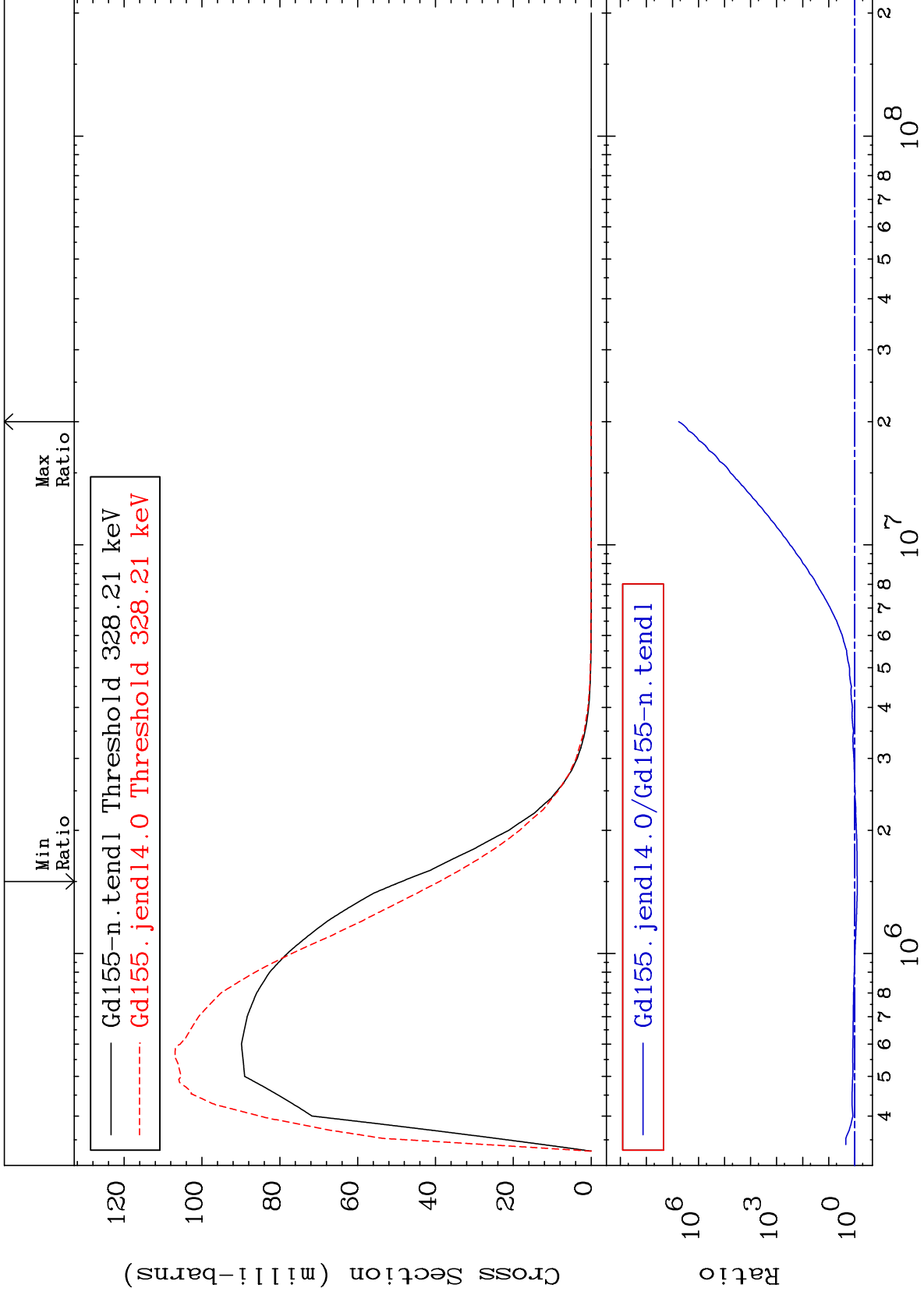
64-Gd-155
-15.82 To 9999. %



MAT 6434

326.1 keV (n,n') Level
Cross Section

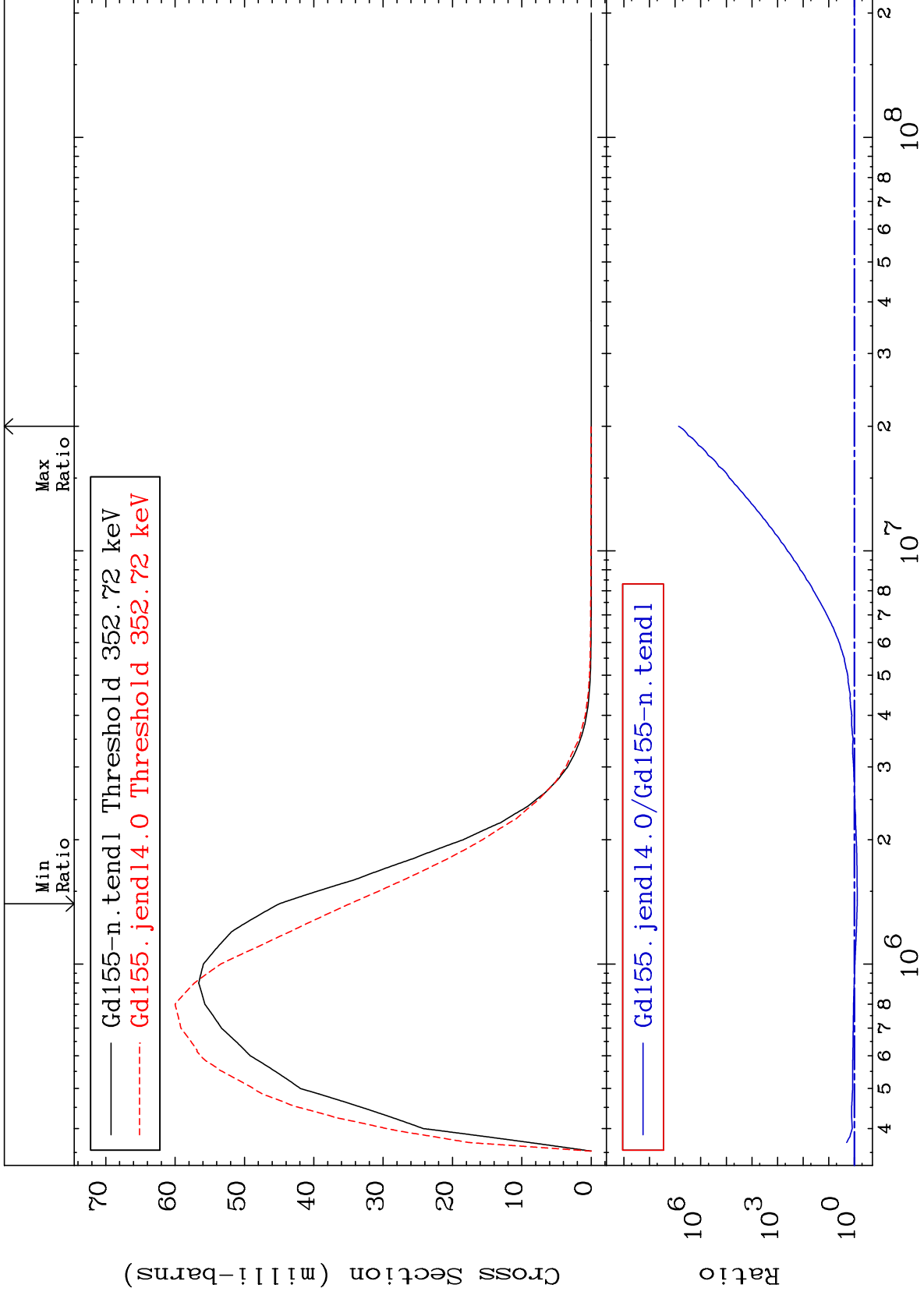
64-Gd-155
-19.97 To 9999. %



MAT 6434

350.4 keV (n,n') Level
Cross Section

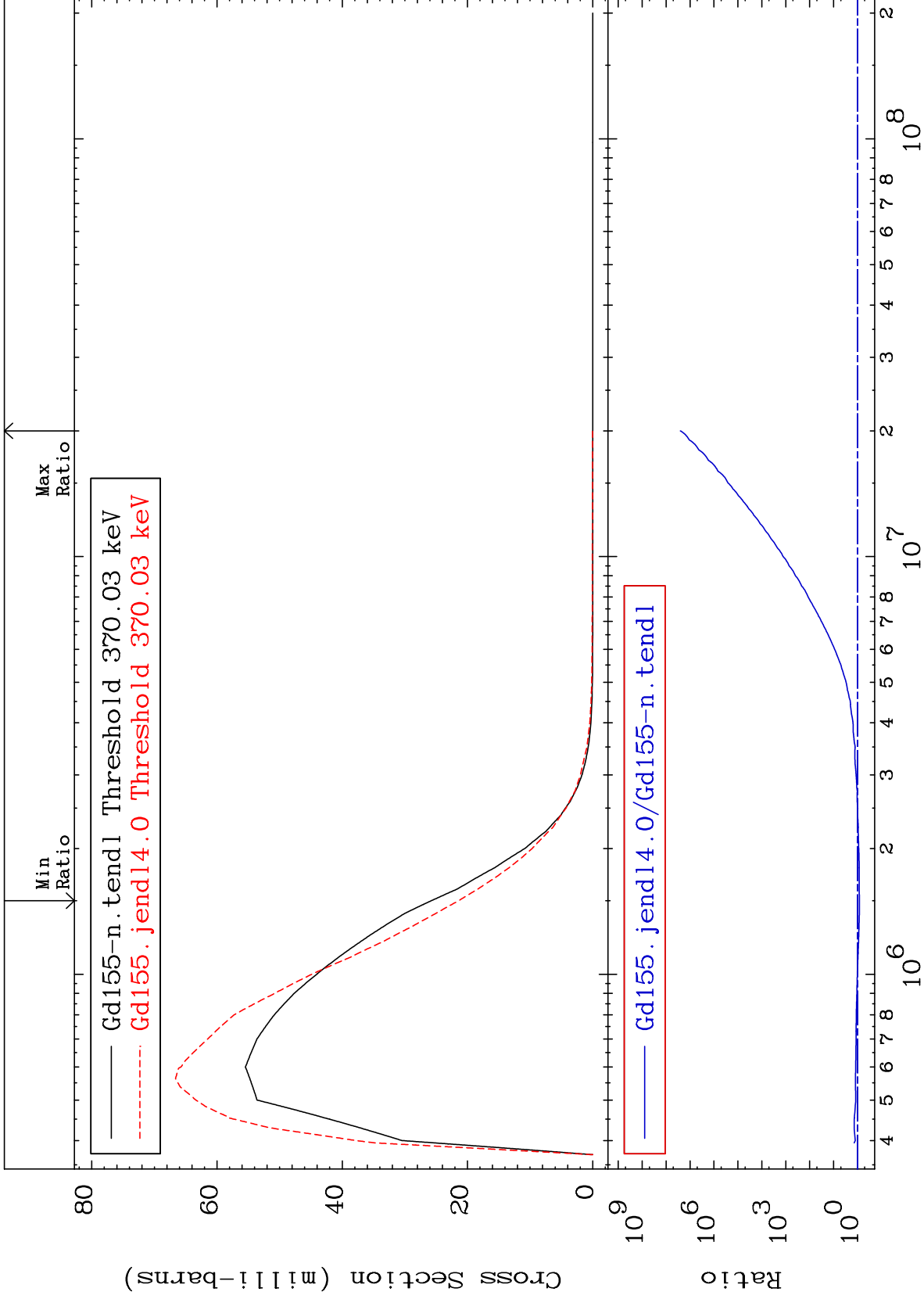
64-Gd-155
-22.70 To 9999. %



MAT 6434

367.6 keV (n,n') Level
Cross Section

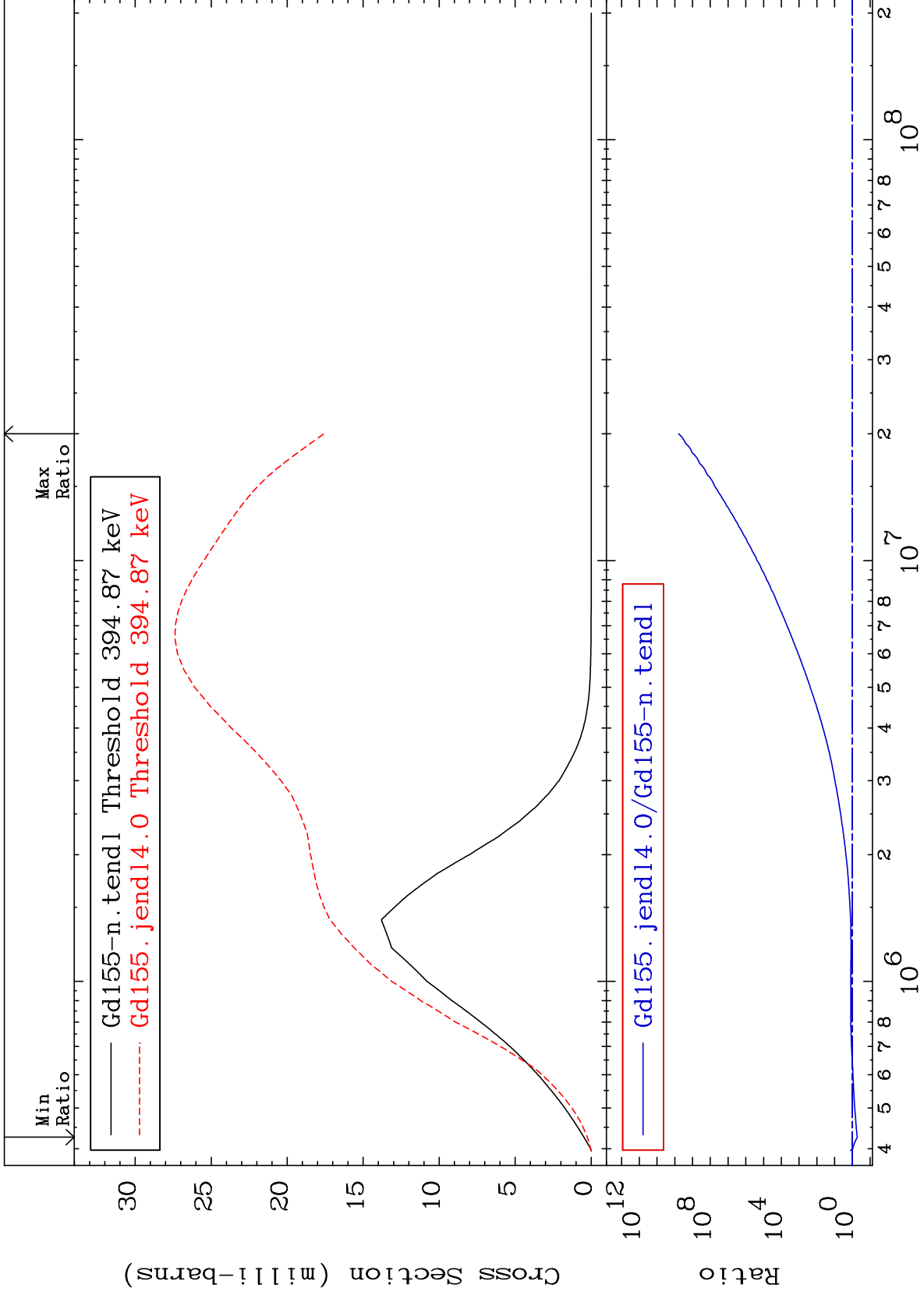
64-Gd-155
-16.93 To 9999. %



MAT 6434

392.3 keV (n,n') Level
Cross Section

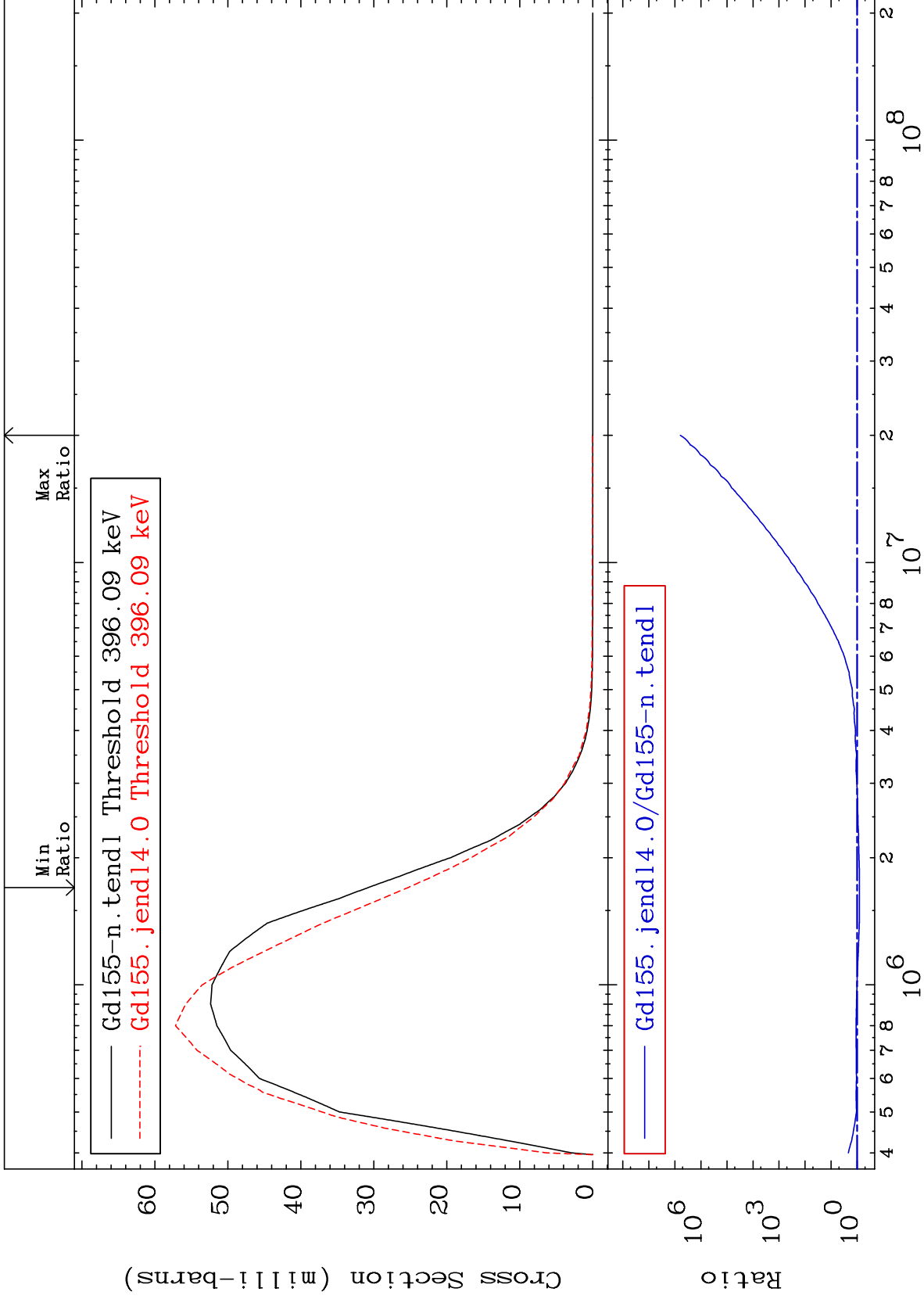
64-Gd-155
-47.05 To 9999. %



MAT 6434

393.5 keV (n,n') Level
Cross Section

64-Gd-155
-17.77 To 9999. %



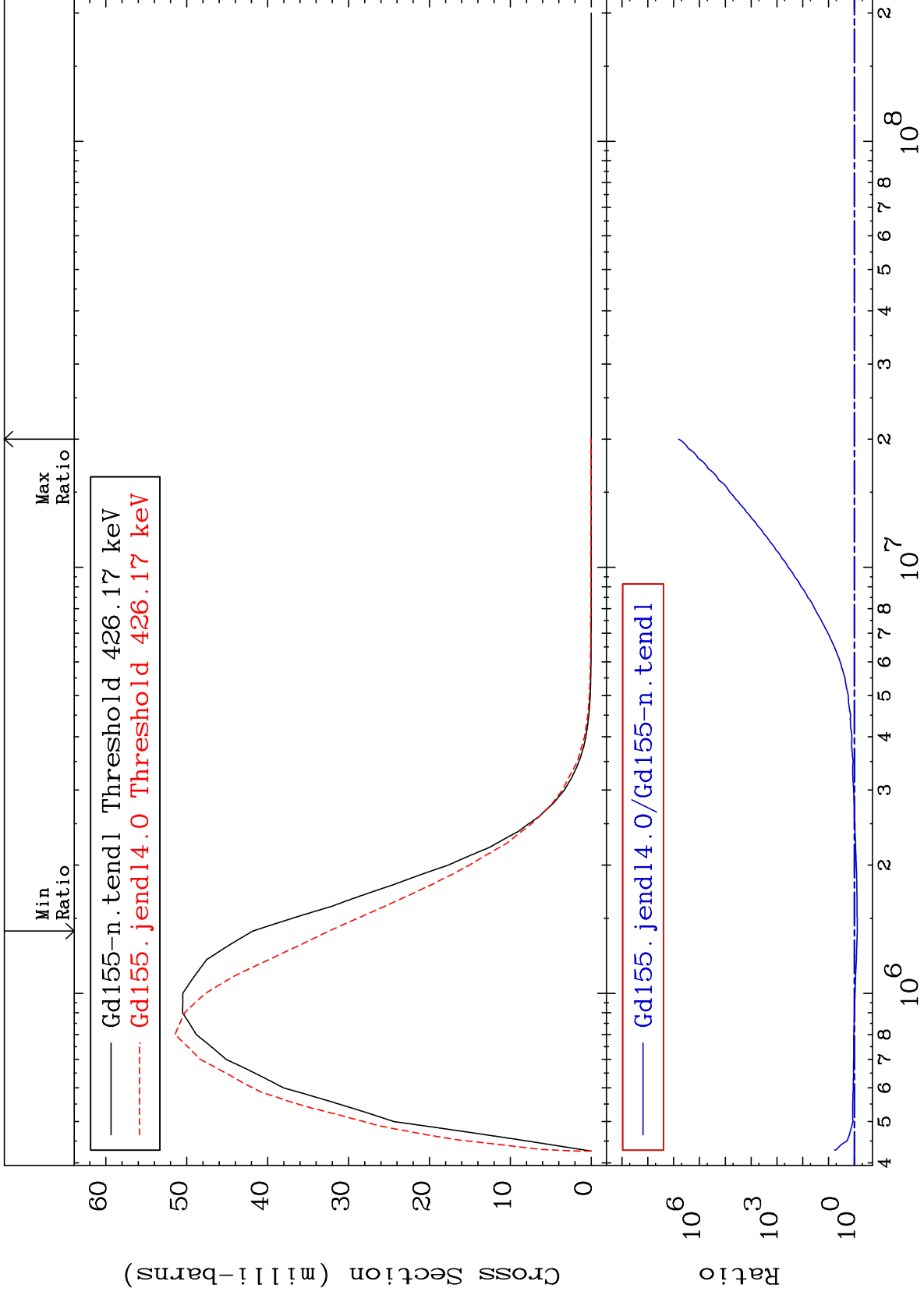
30

64-Gd-155

MAT 6434

423.4 keV (n,n') Level
Cross Section

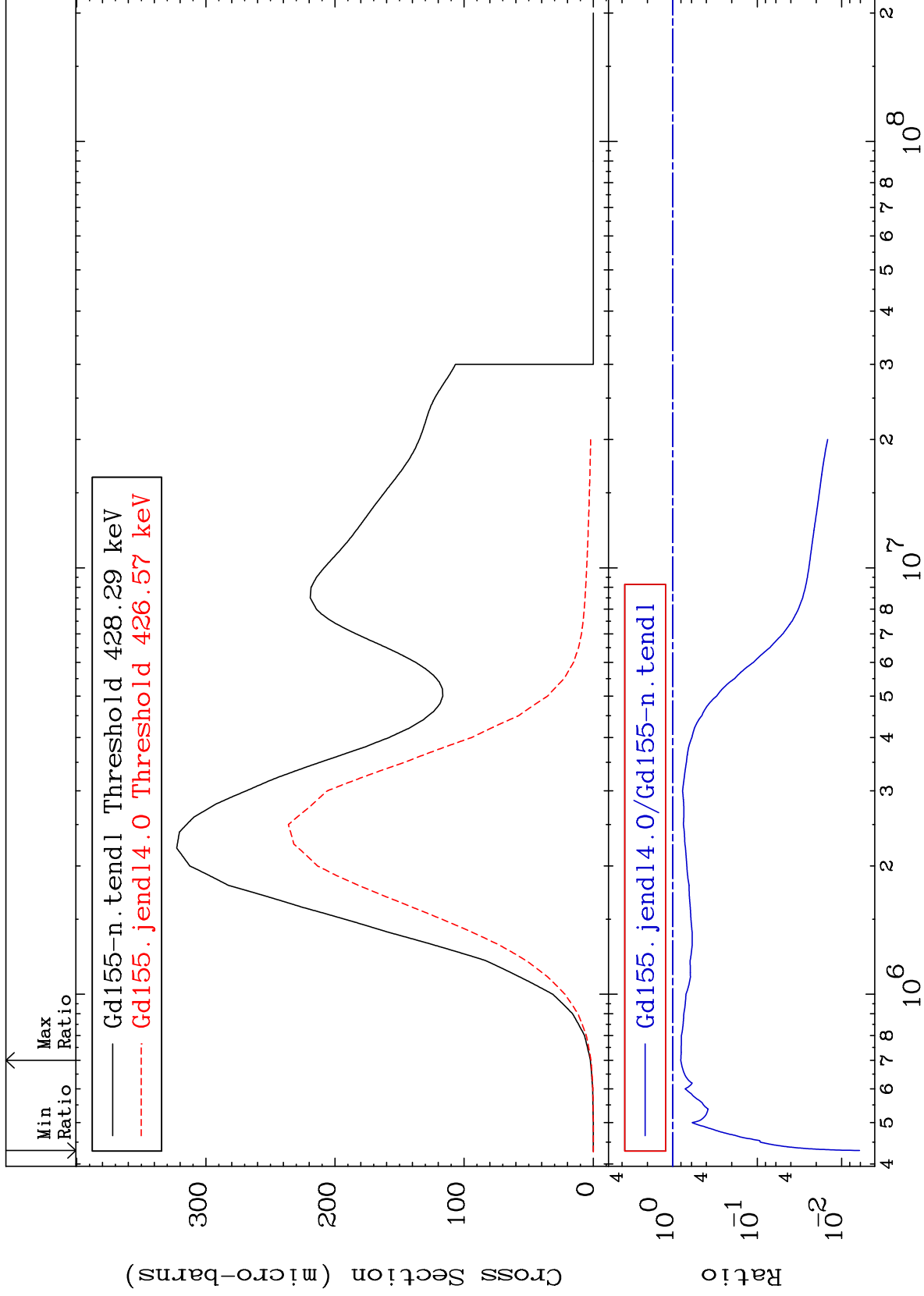
64-Gd-155
-22.51 To 9999. %



MAT 6434

425.5 keV (n,n') Level
Cross Section

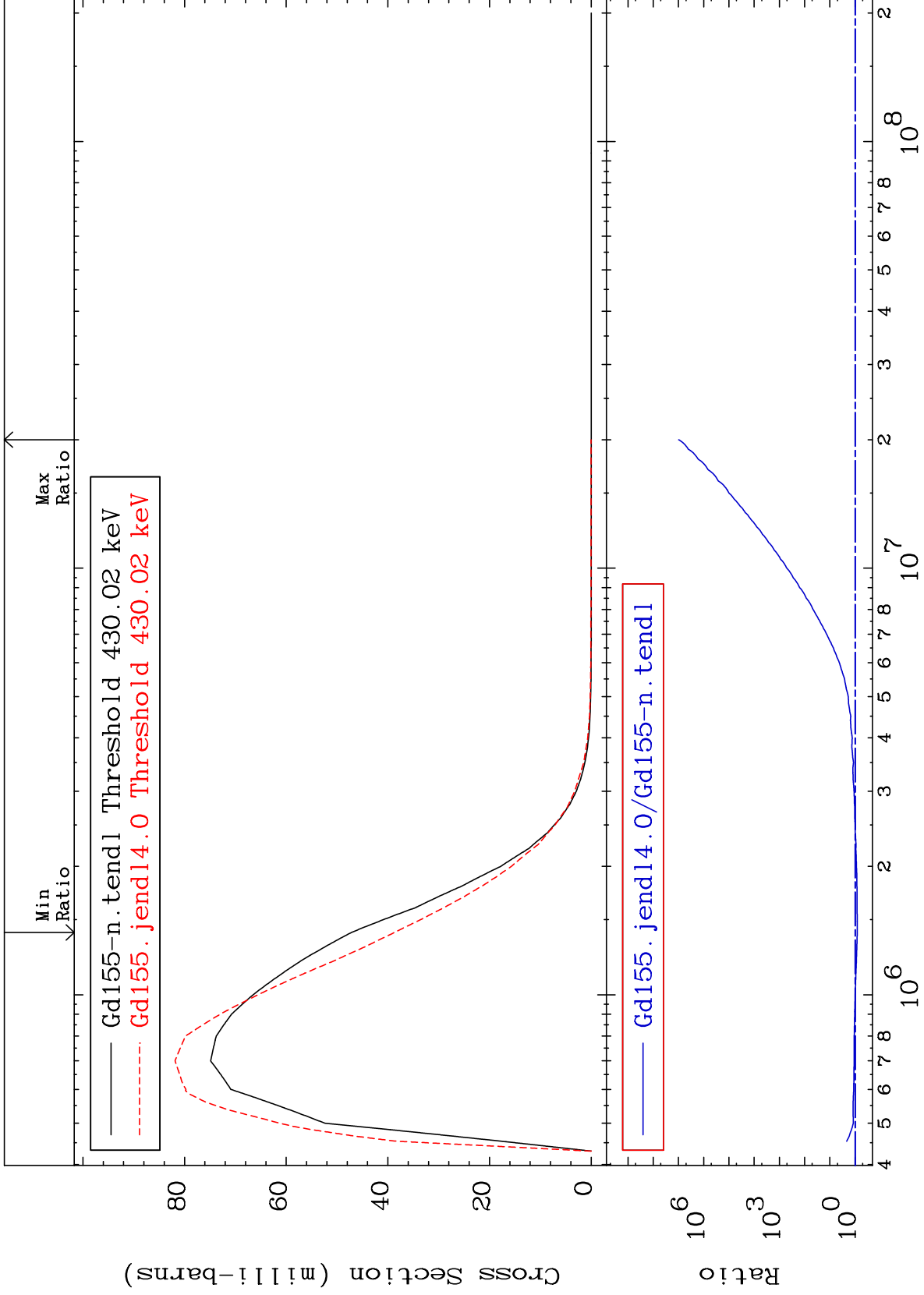
64-Gd-155
-99.39 To -19.47%



MAT 6434

427.2 keV (n,n') Level
Cross Section

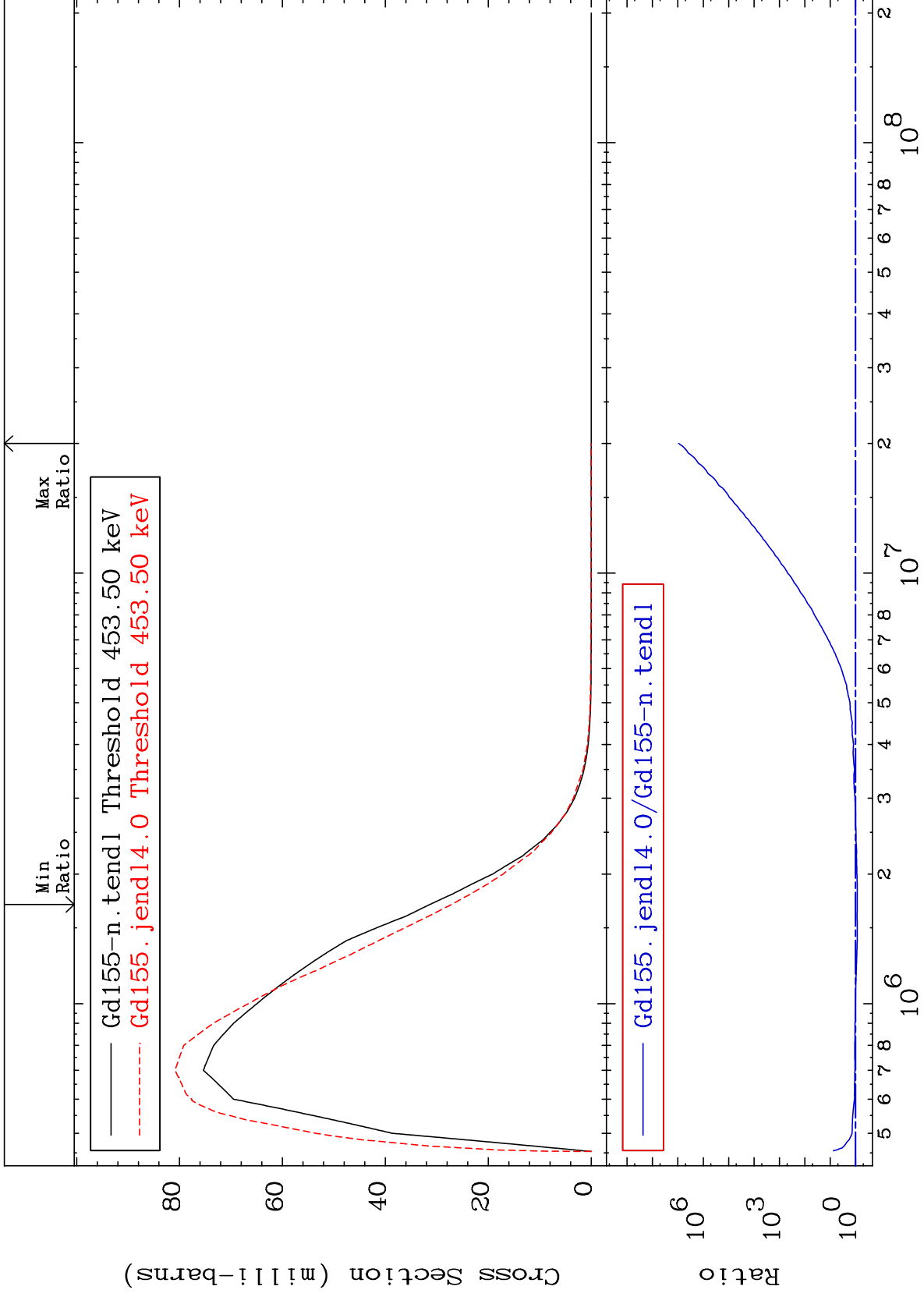
64-Gd-155
-18.00 To 9999. %



MAT 6434

450.6 keV (n,n') Level
Cross Section

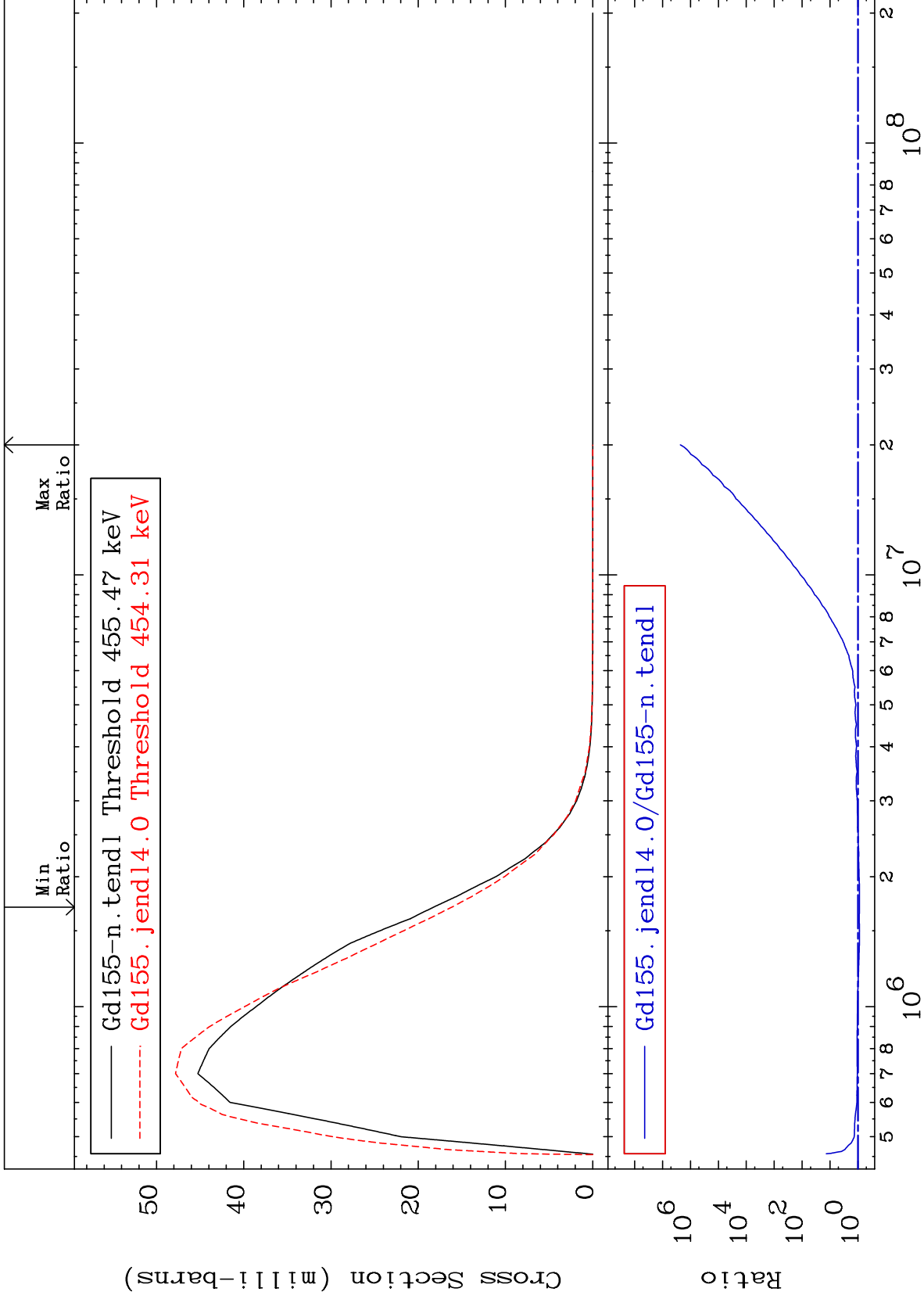
64-Gd-155
-13.42 To 9999. %



MAT 6434

452.5 keV (n,n') Level
Cross Section

64-Gd-155
-11.46 To 9999. %



35

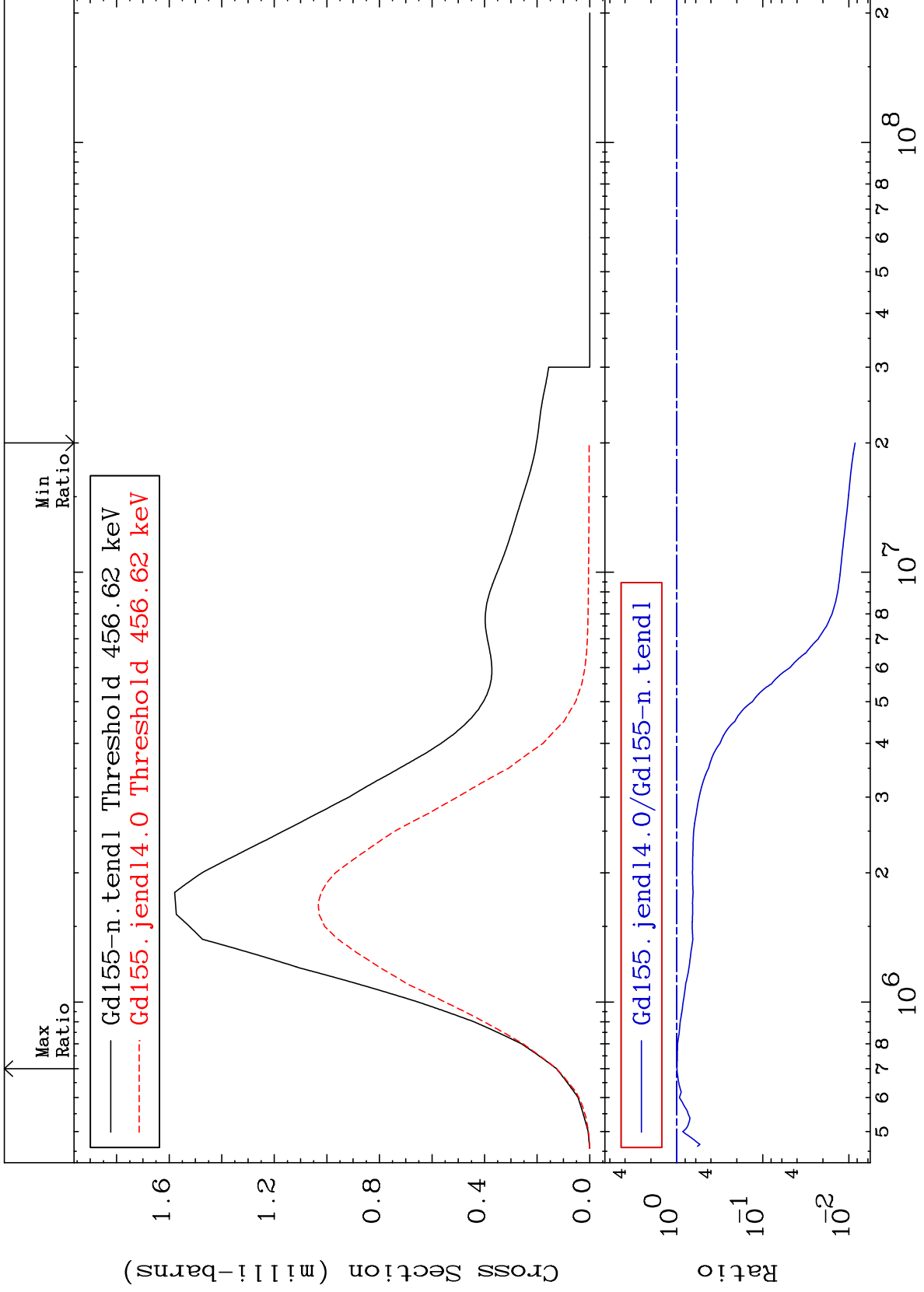
Incident Energy (eV)

64-Gd-155

MAT 6434

453.7 keV (n,n') Level
Cross Section

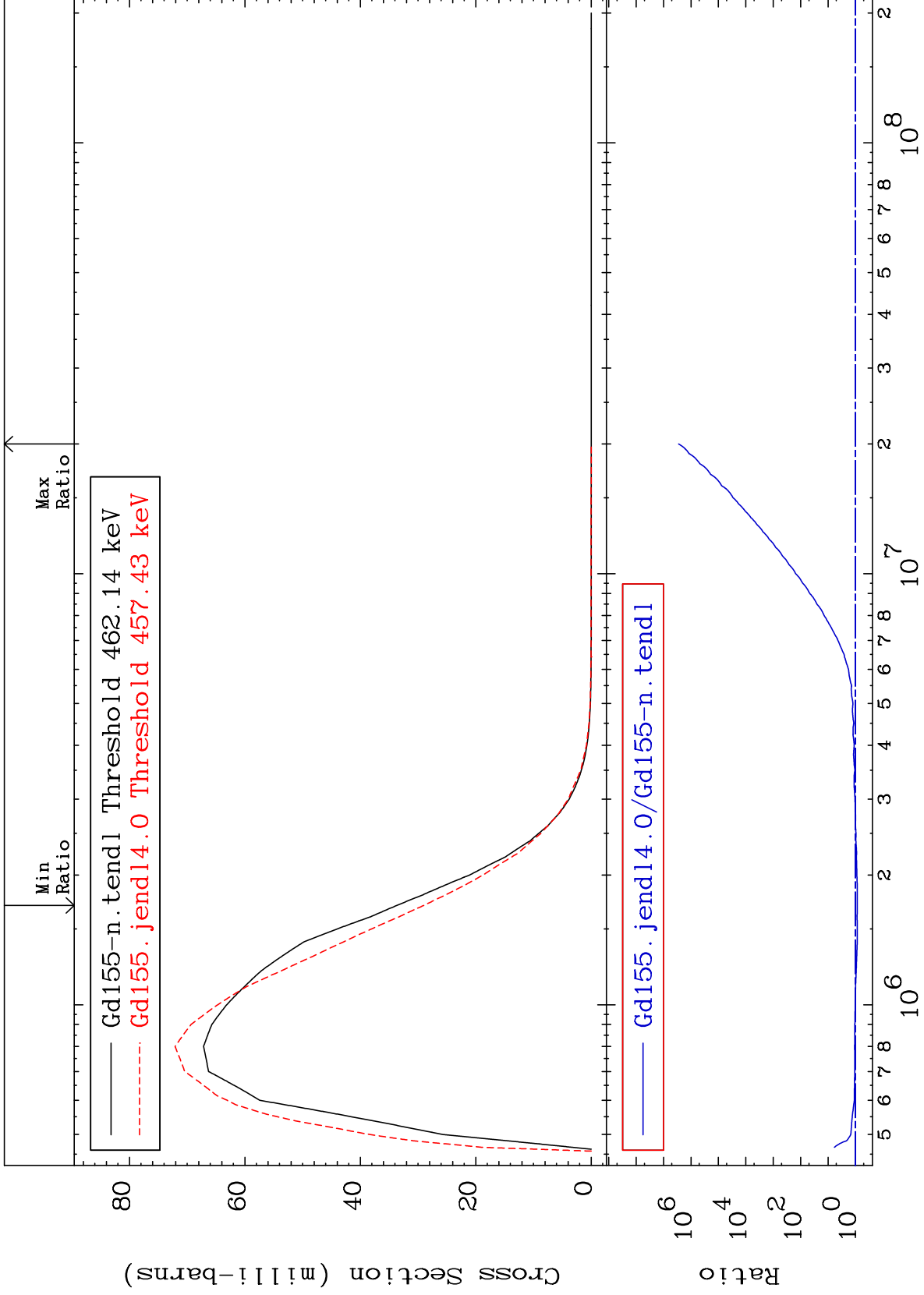
64-Gd-155
-99.15 To -0.445%



MAT 6434

459.2 keV (n,n') Level
Cross Section

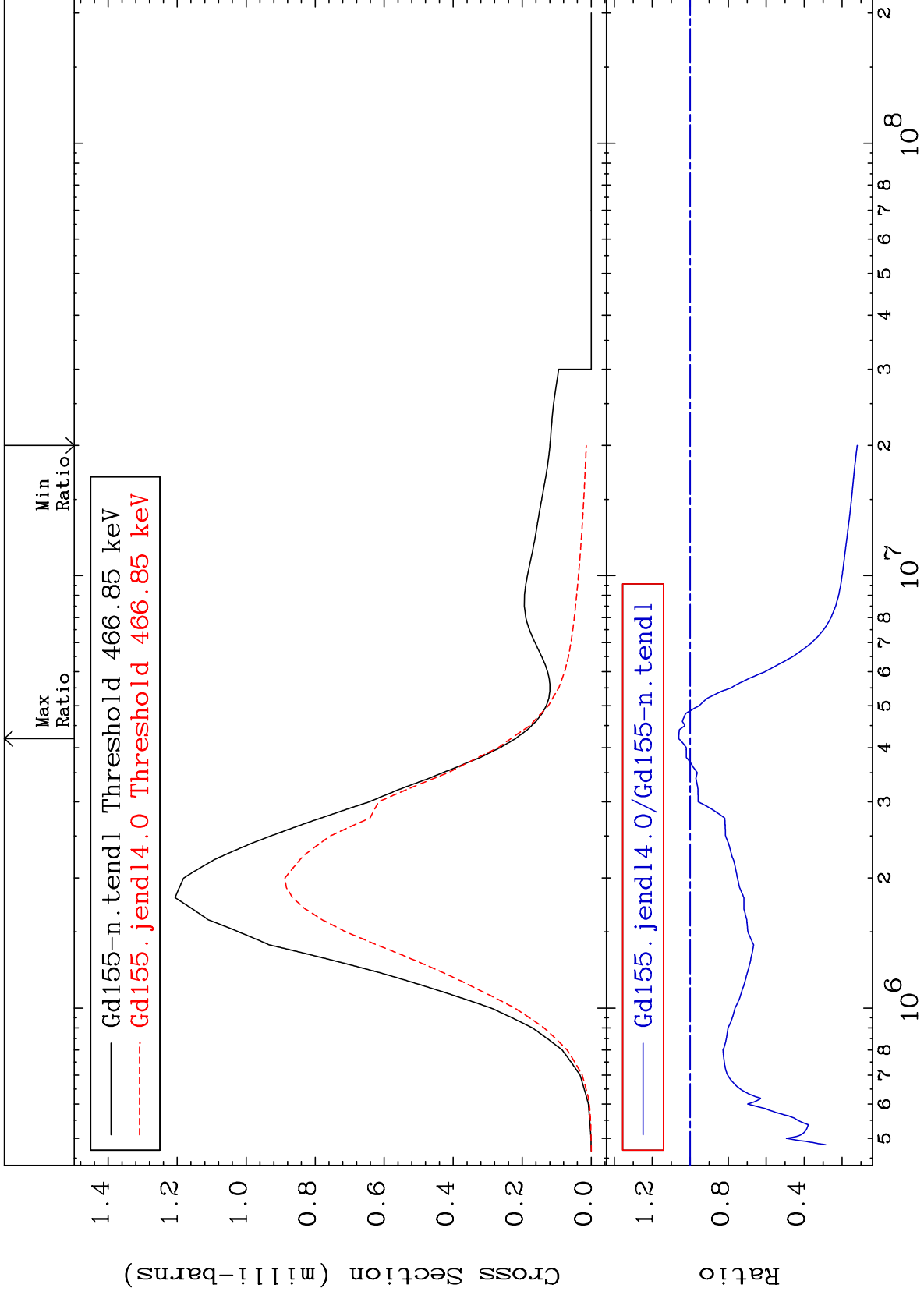
64-Gd-155
-13.86 To 9999. %



MAT 6434

463.8 keV (n,n') Level
Cross Section

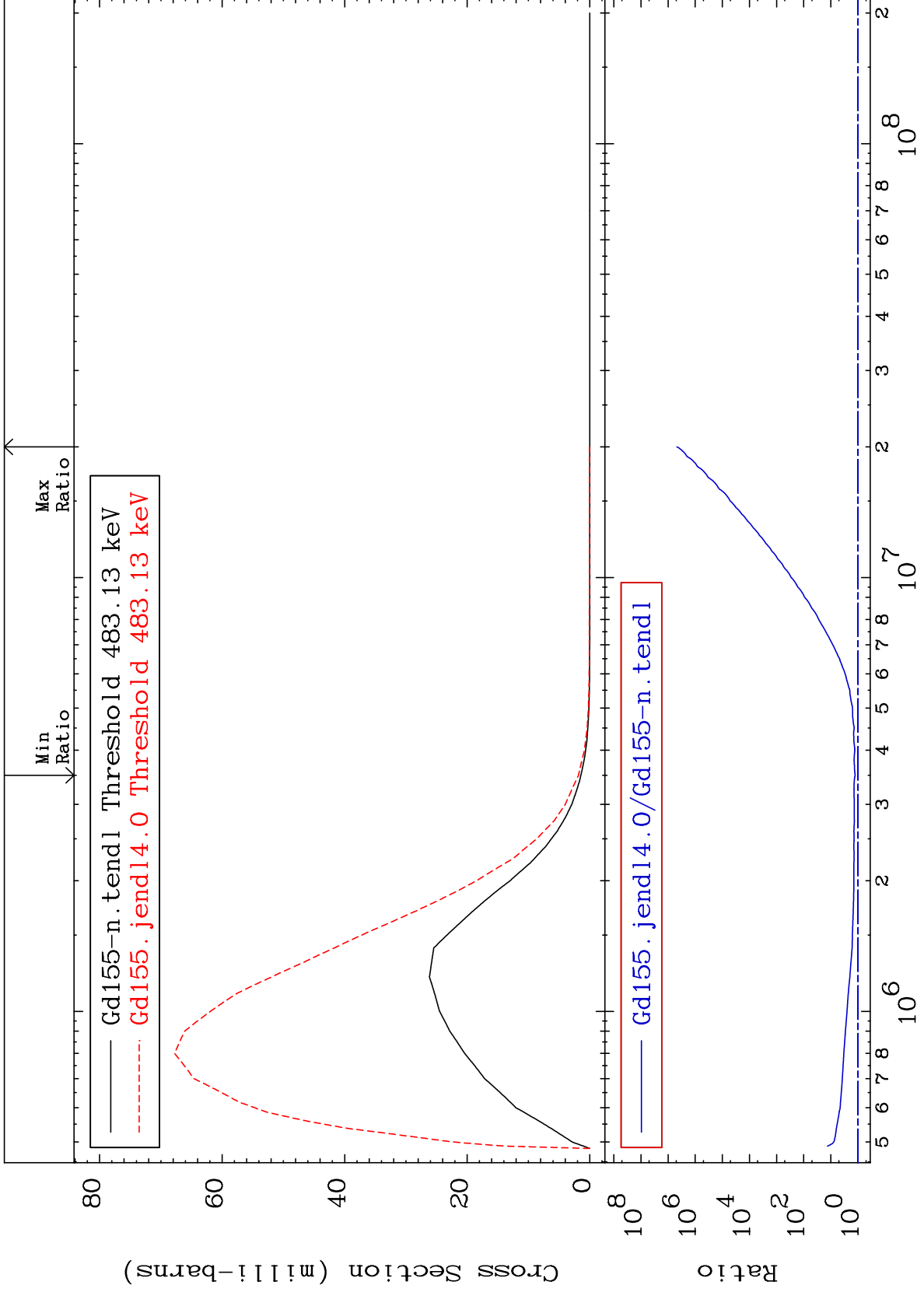
64-Gd-155
-87.98 To 6.106 %



MAT 6434

480.0 keV (n,n') Level
Cross Section

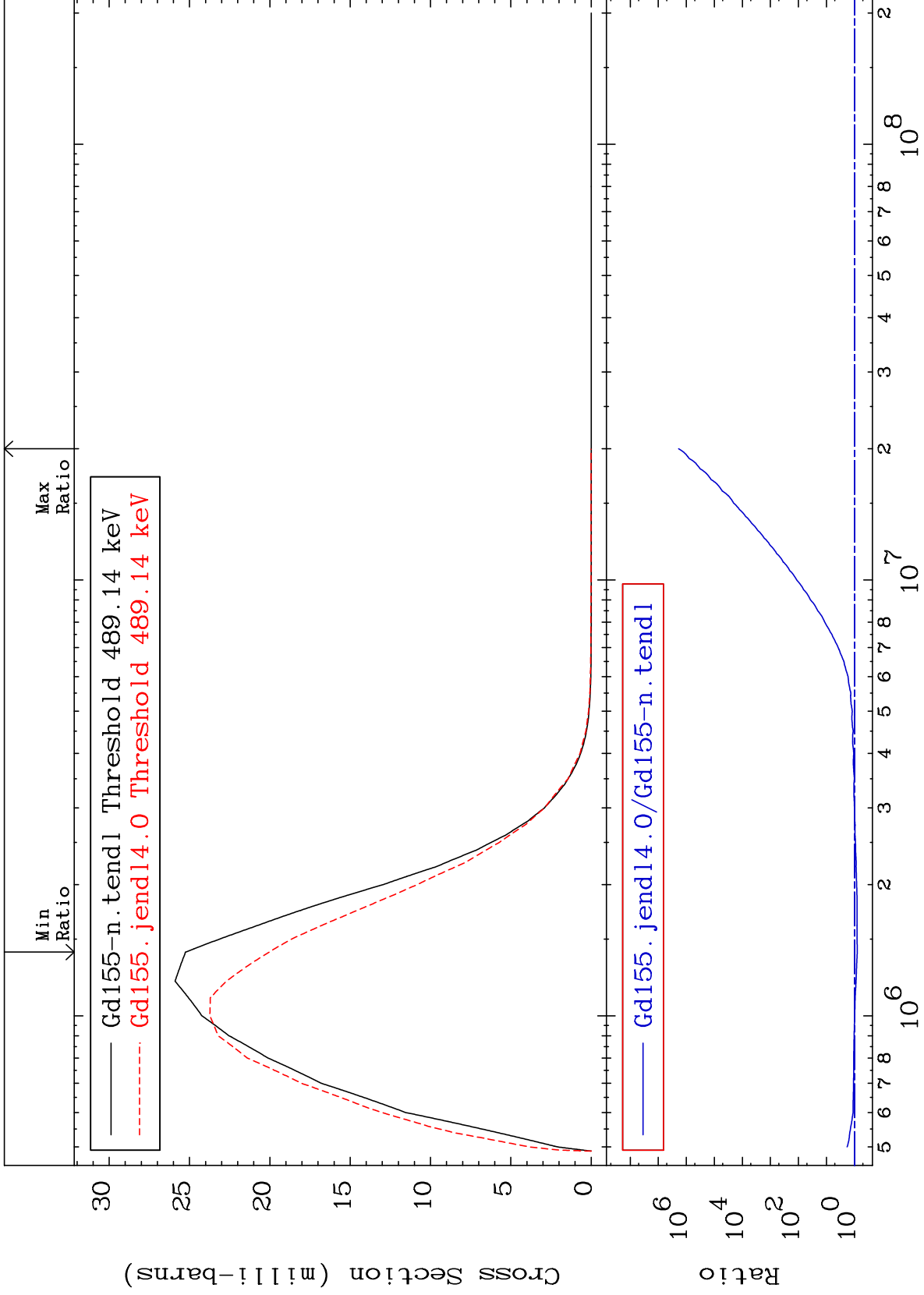
64-Gd-155
27.37 To 9999. %



MAT 6434

486.0 keV (n,n') Level
Cross Section

64-Gd-155
-20.59 To 9999. %



40

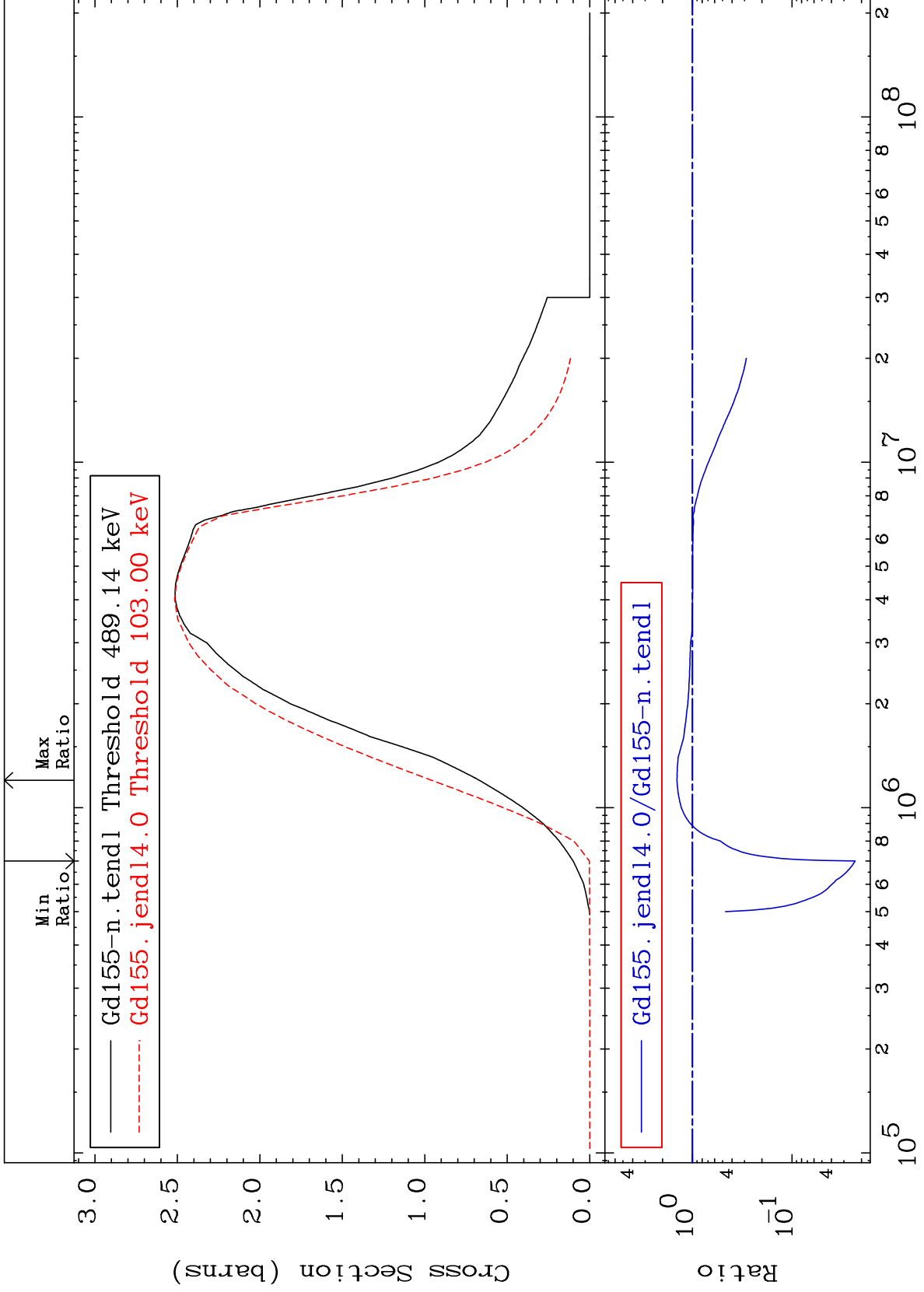
Incident Energy (eV)

64-Gd-155

MAT 6434

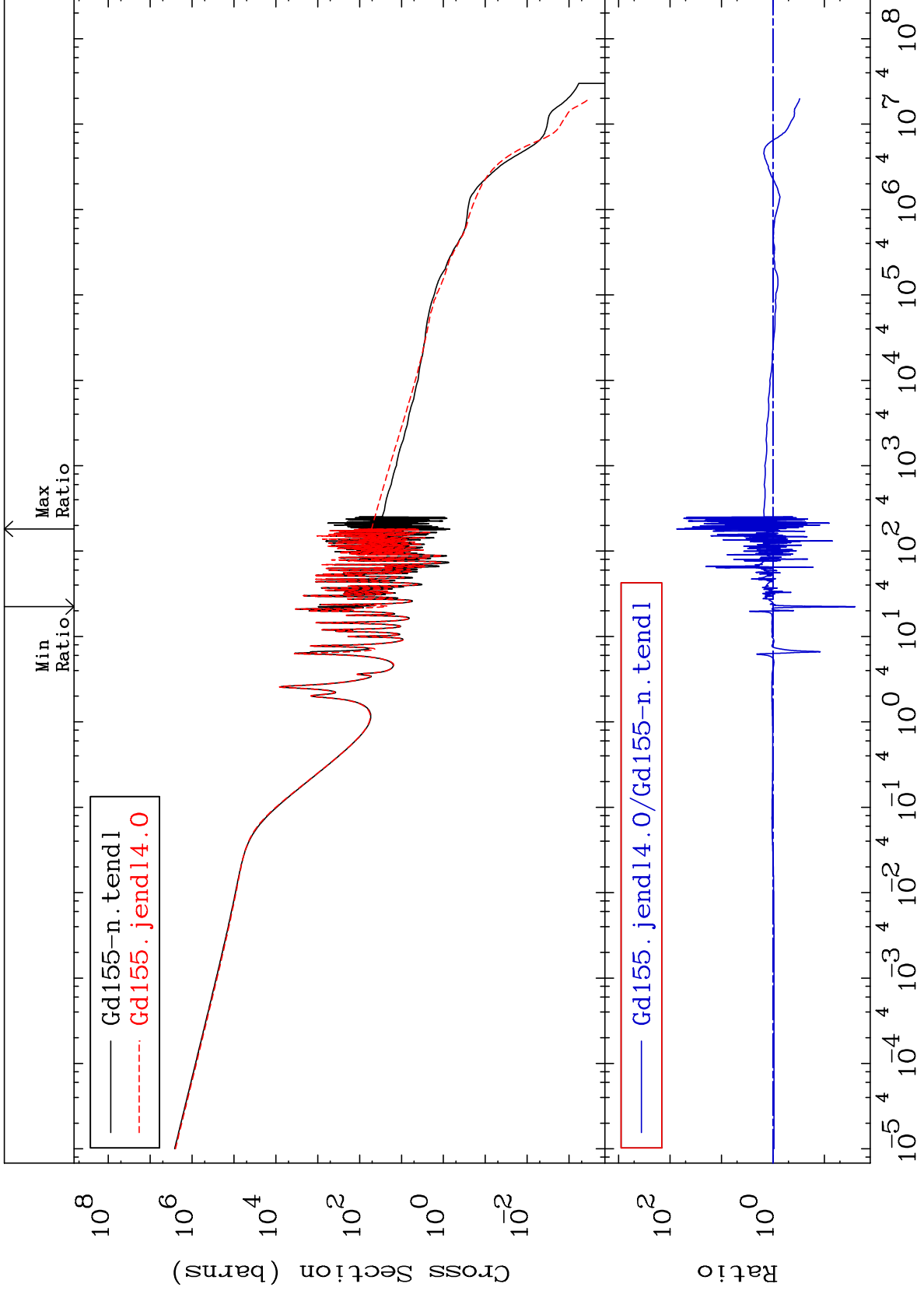
(n, n') Continuum
Cross Section

64-Gd-155
-97.68 To 43.45 %



MAT 6434

64-Gd-155
-97.46 To 7268. %



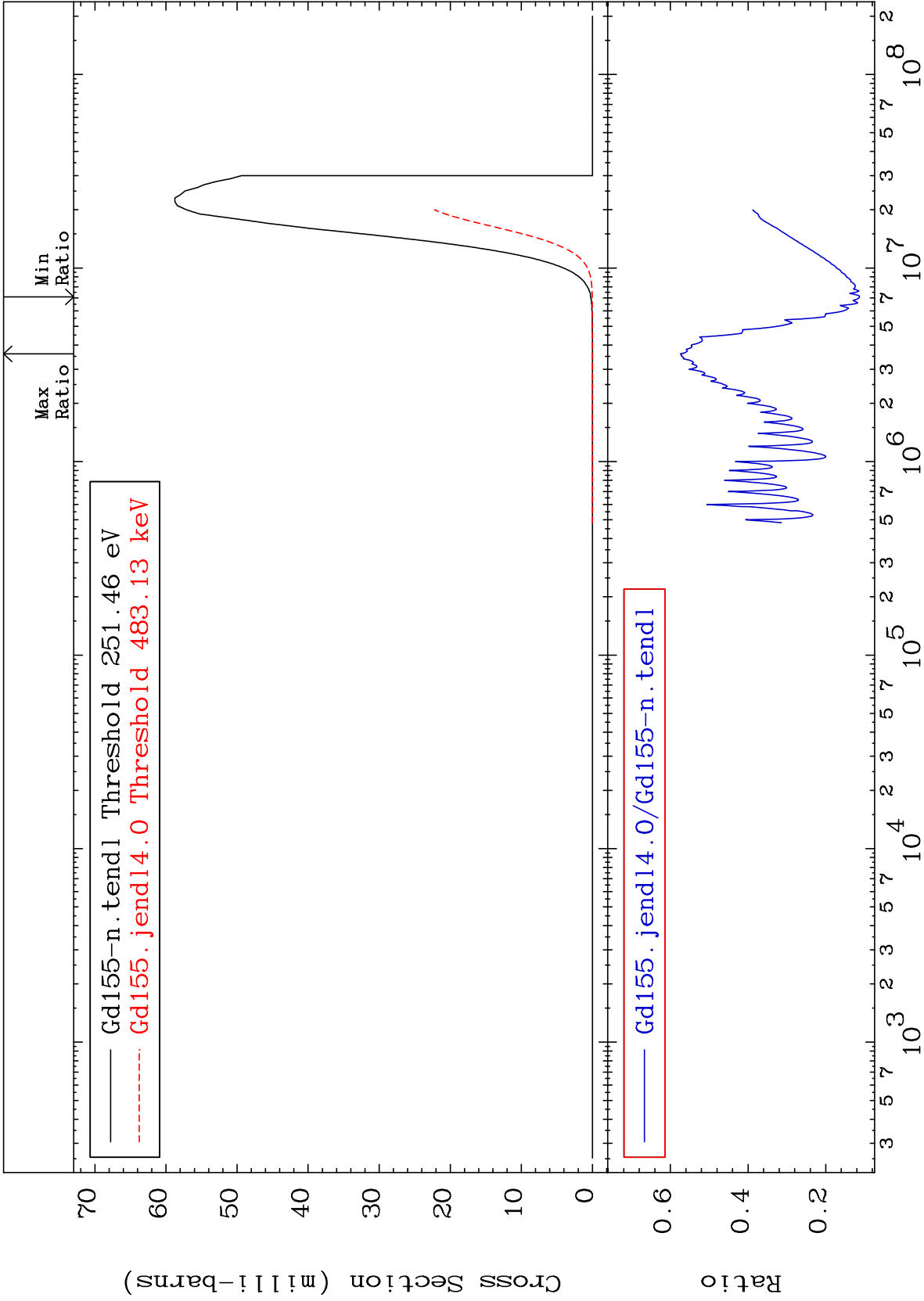
MAT 6434

(n,p)

64-Gd-155

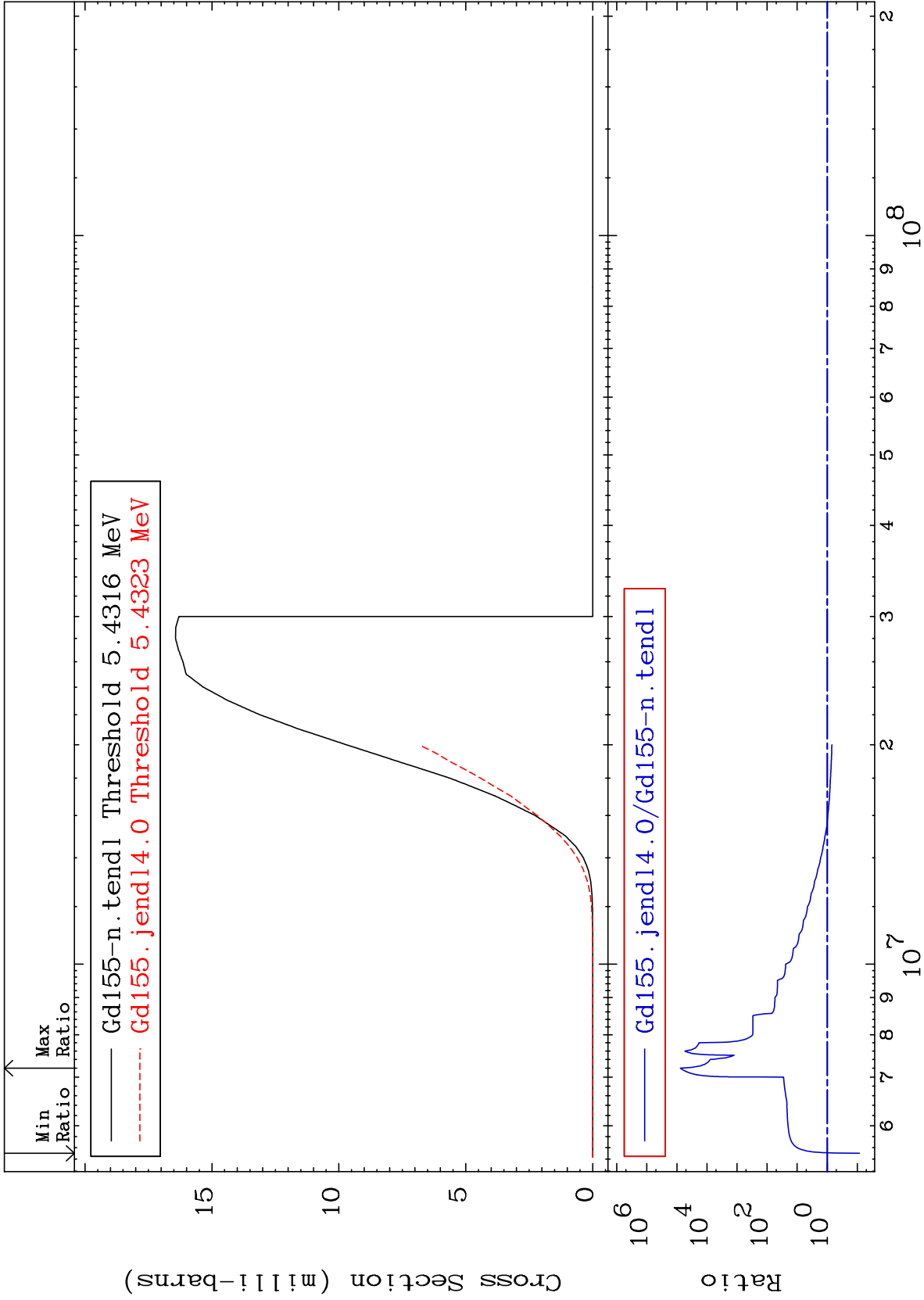
Cross Section

-88.65 To -42.53%



Cross Section

-91.49 To 9999. %



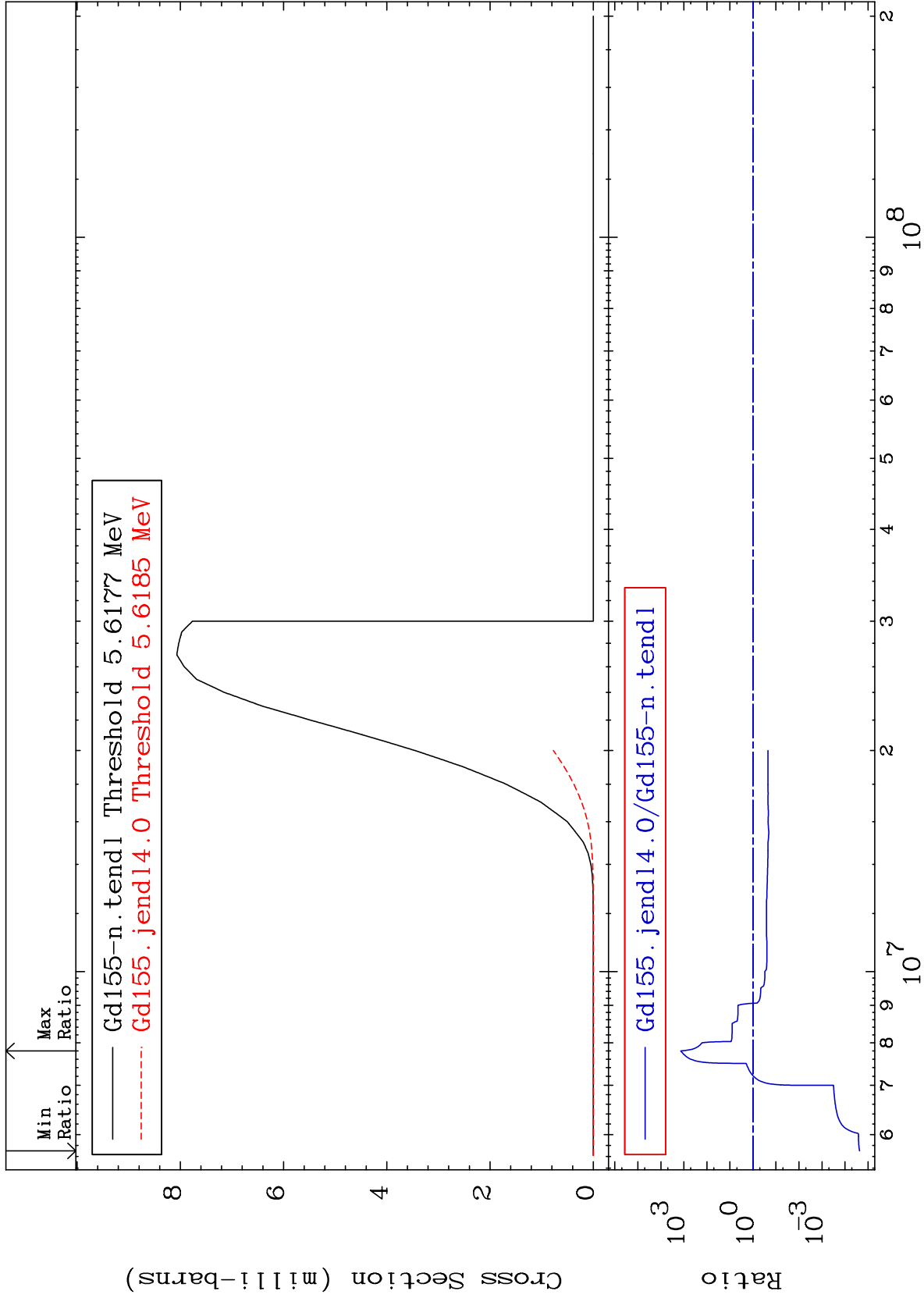
MAT 6434

(n, t)

64-Gd-155

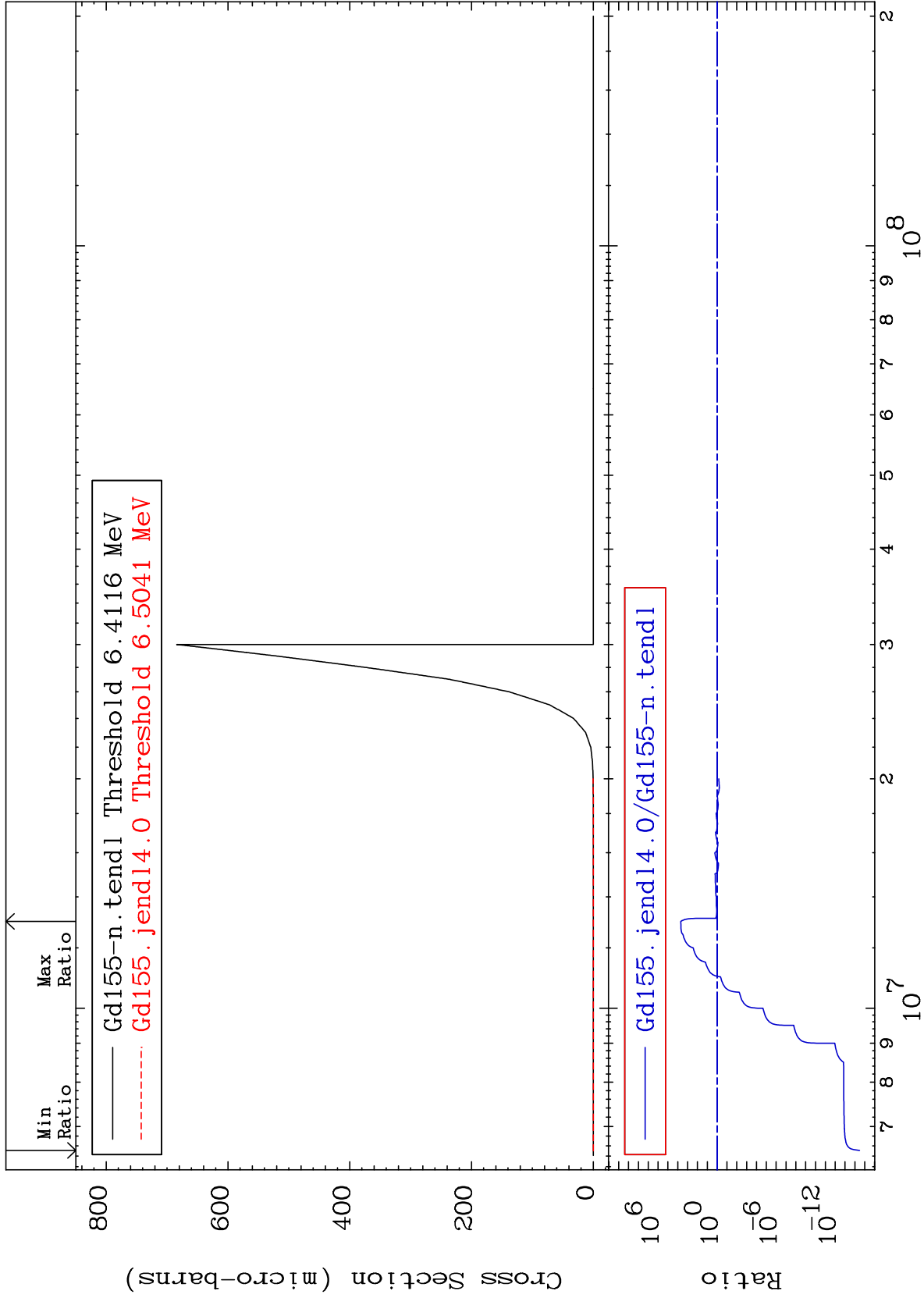
Cross Section

-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



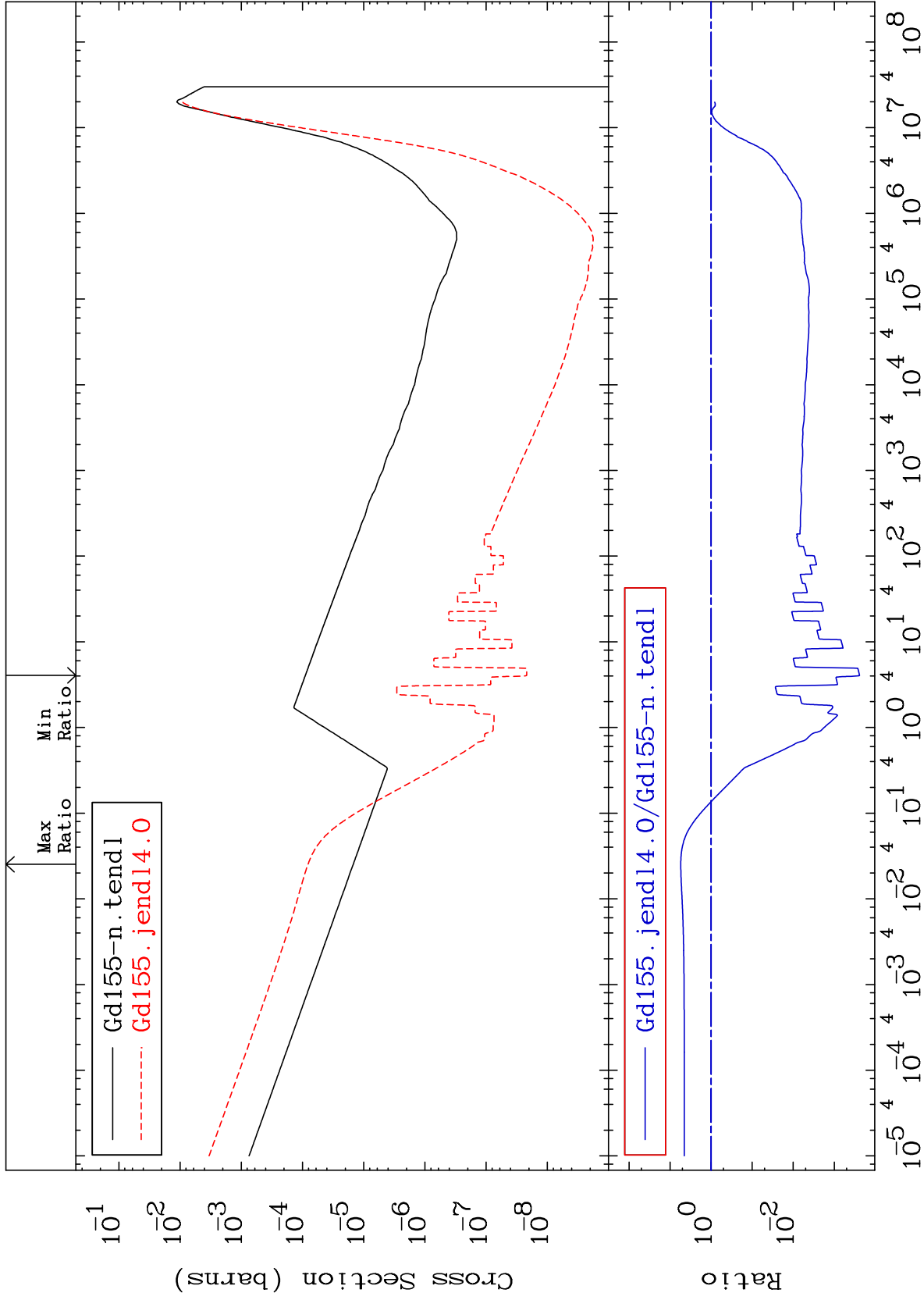
MAT 6434

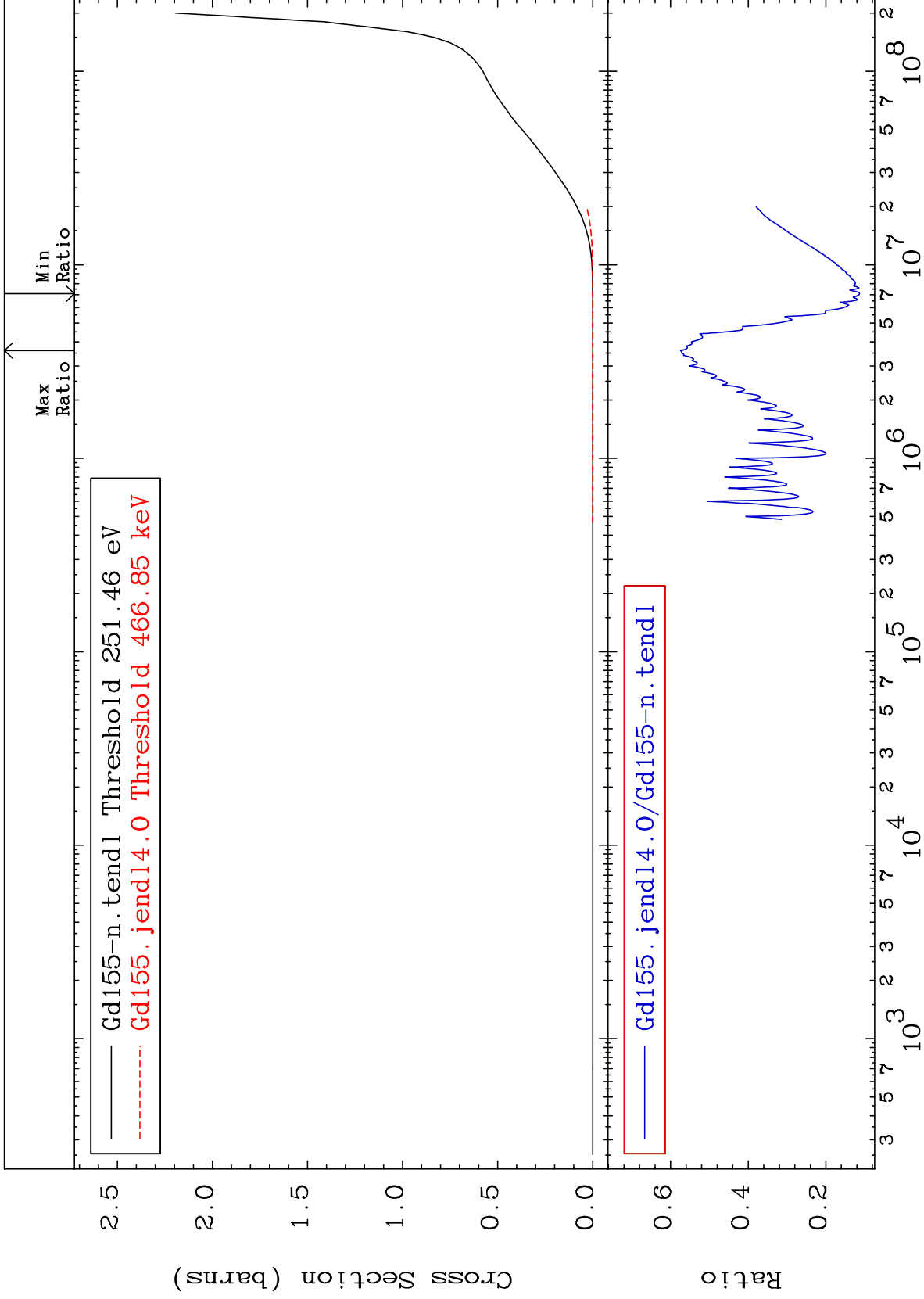
(n, α)

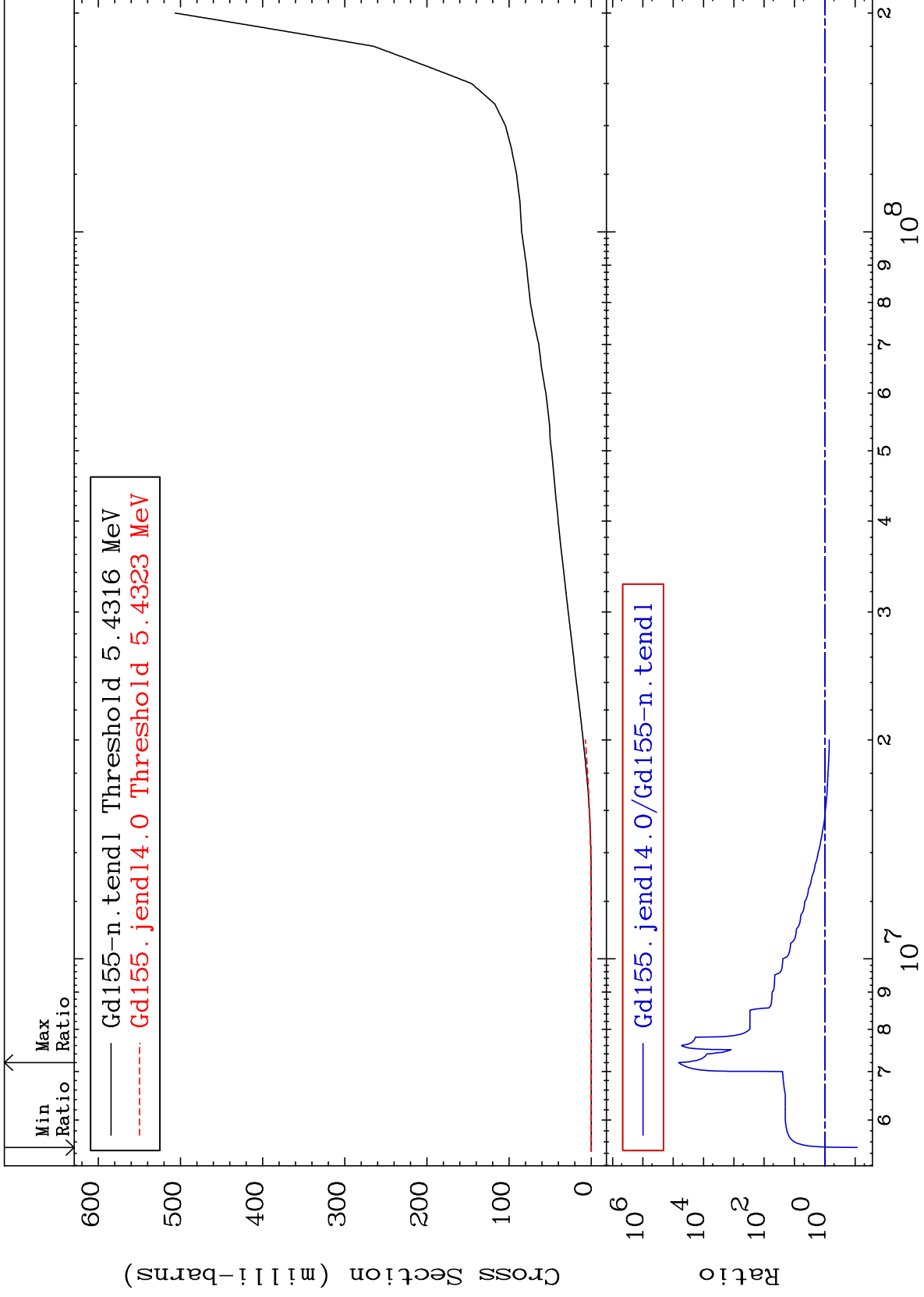
64-Gd-155

Cross Section

-99.98 To 448.7 %



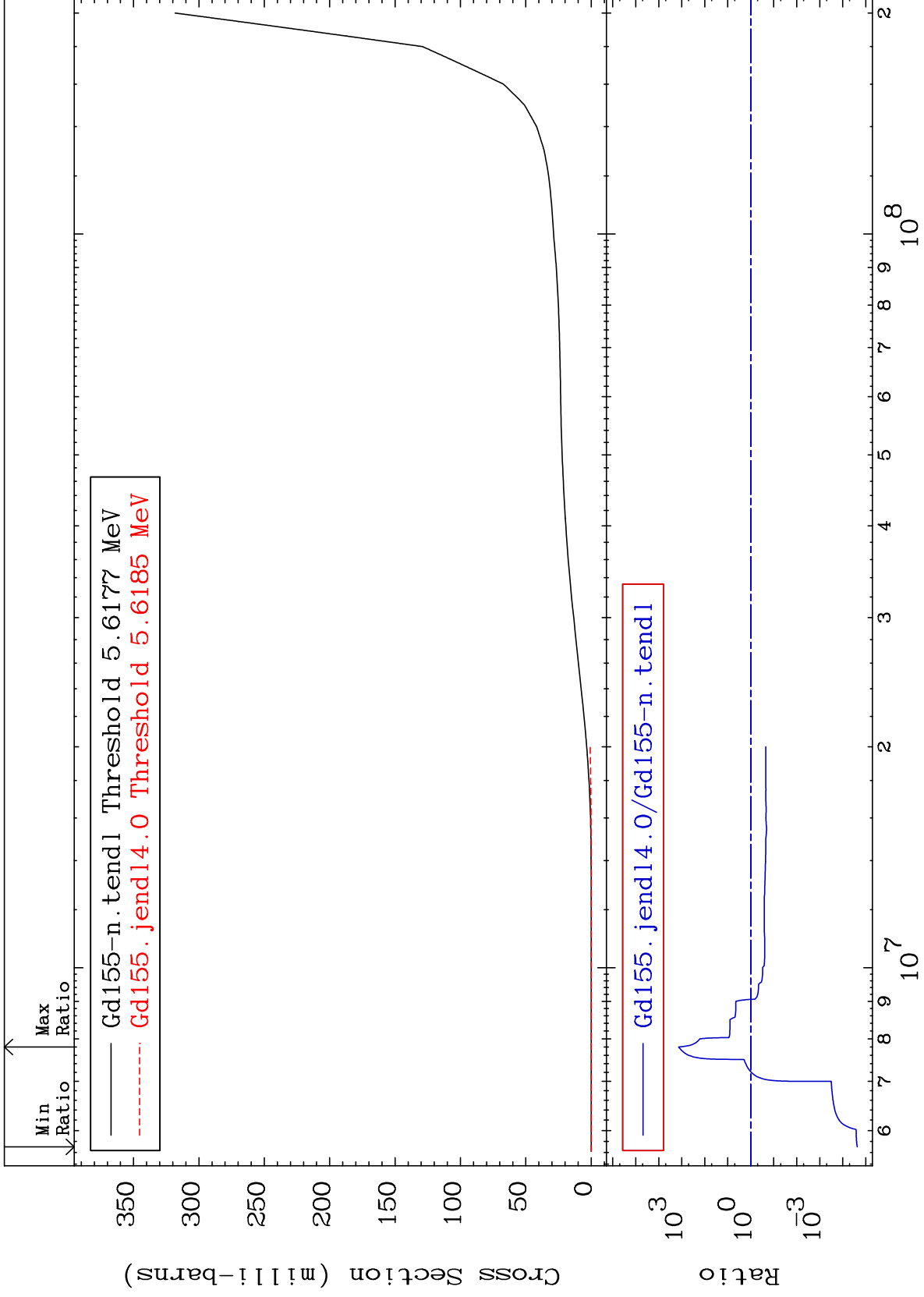




MAT 6434

Tritium Production
Cross Section

64-Gd-155
-100.0 To 9999. %



50

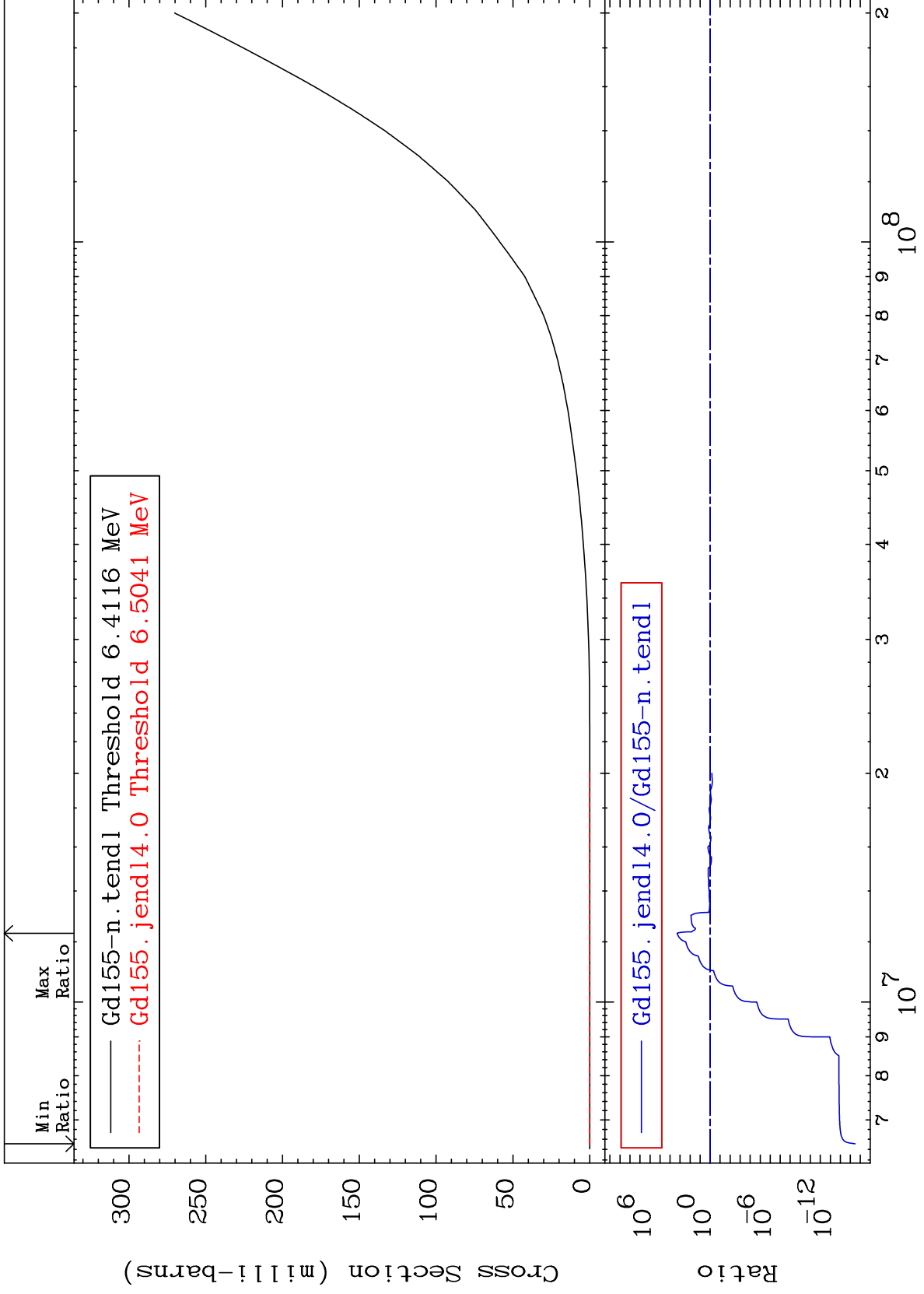
Incident Energy (eV)

64-Gd-155

MAT 6434

He-3 Production
Cross Section

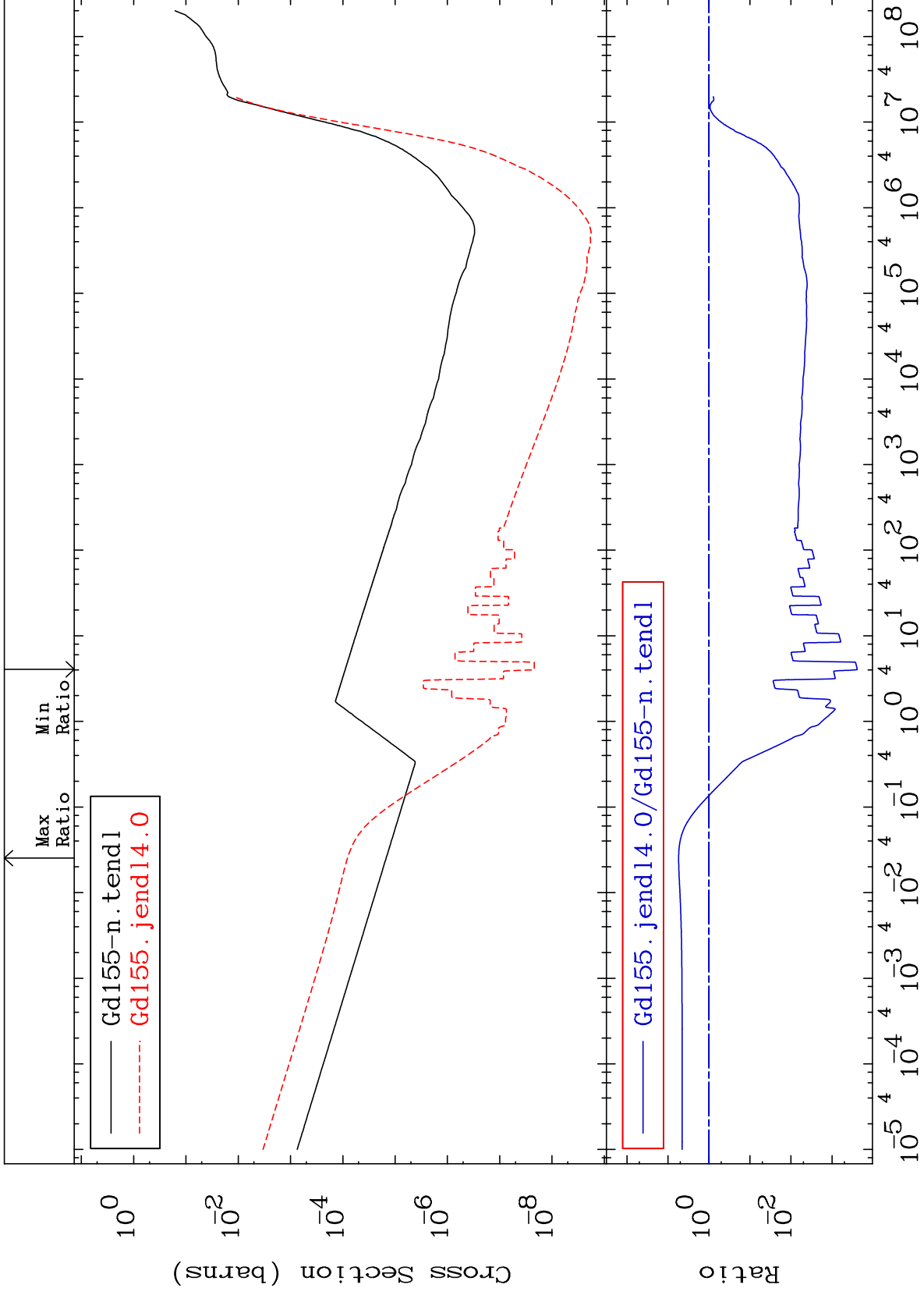
64-Gd-155
-100.0 To 9999. %



MAT 6434

He-4 Production
Cross Section

64-Gd-155
-99.98 To 448.7 %



52

Incident Energy (eV)

64-Gd-155

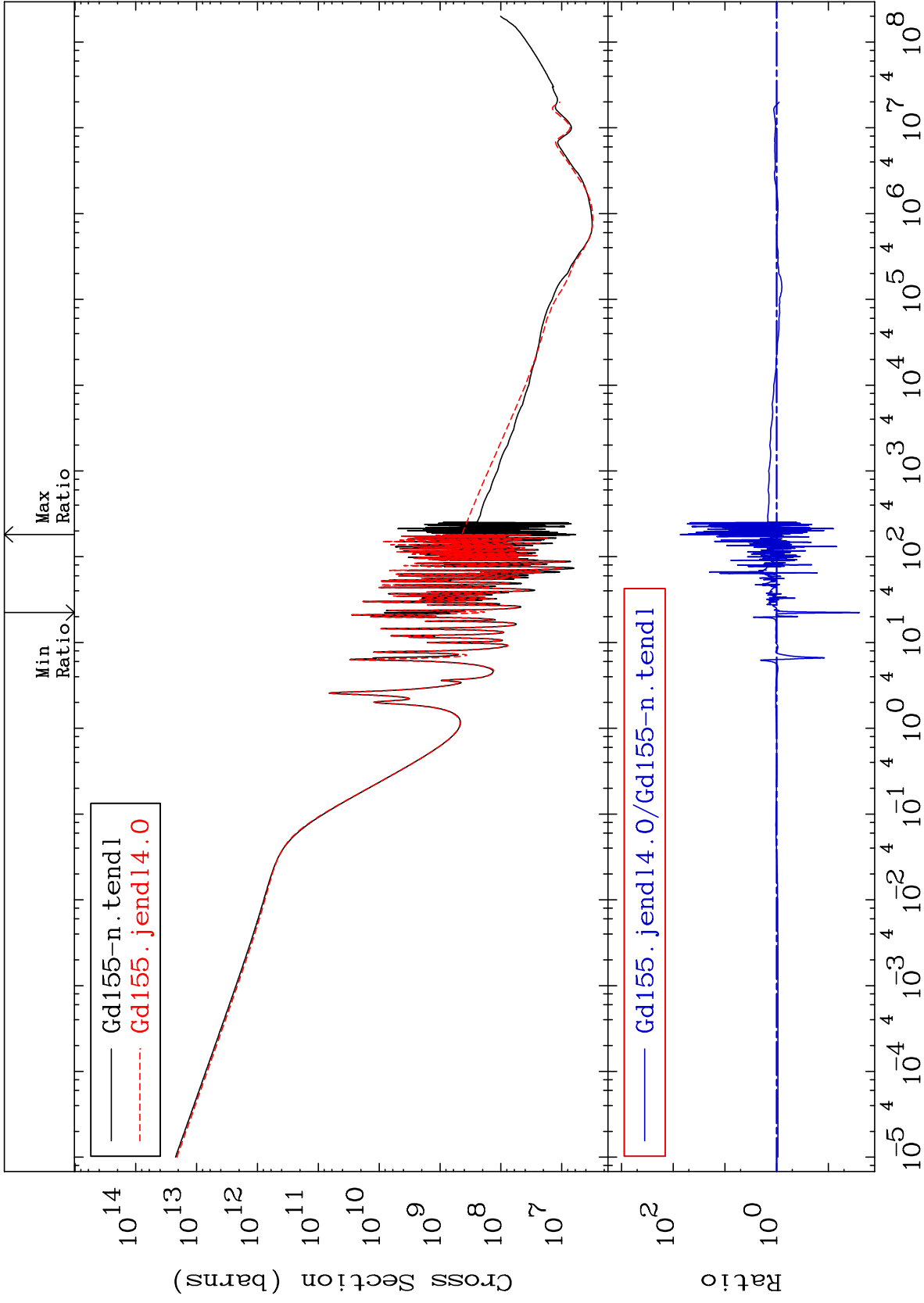
MAT 6434

Kerma total (eV-barns)

64-Gd-155

Cross Section

-97.49 To 7193. %



53

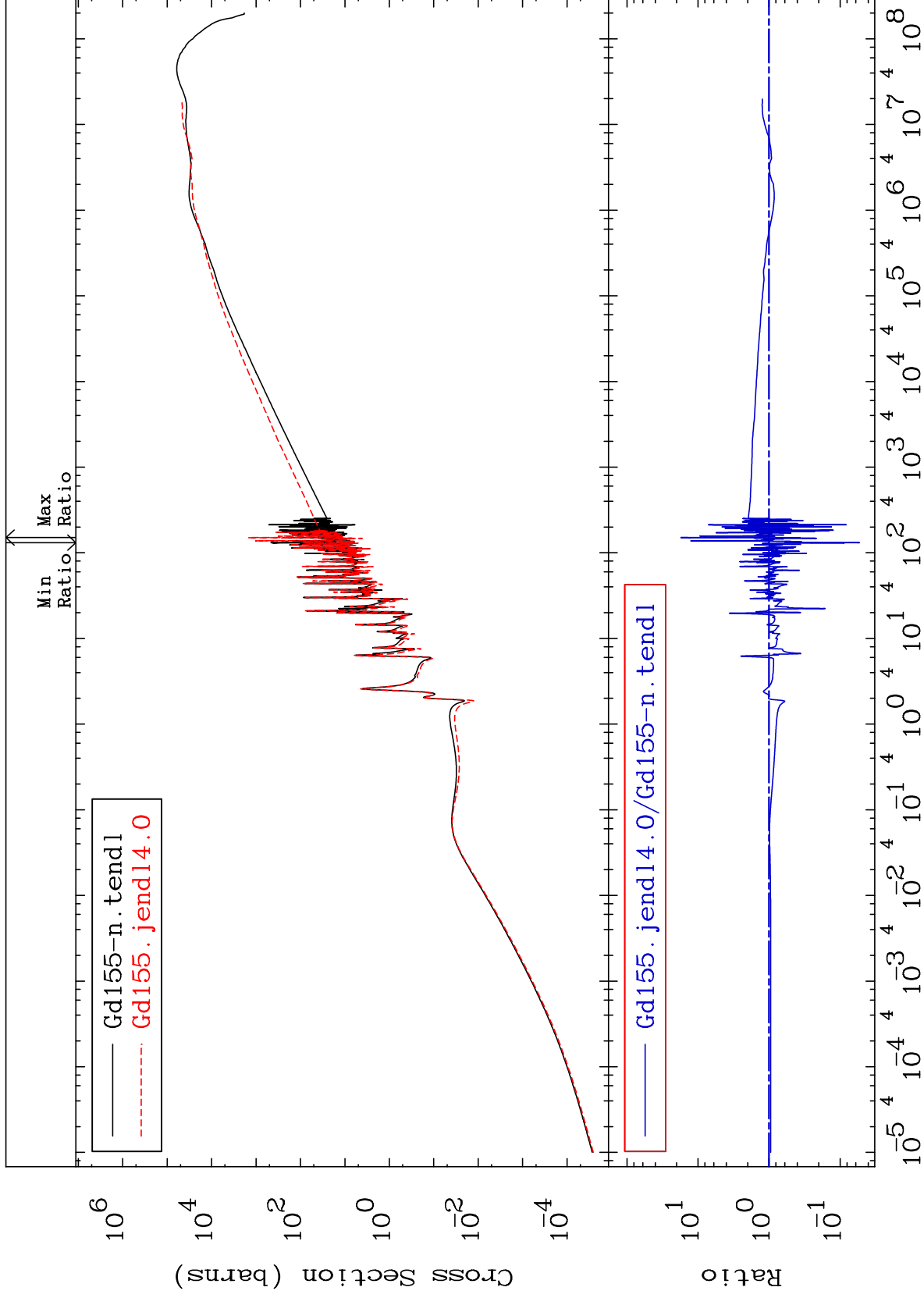
Incident Energy (eV)

64-Gd-155

MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-94.68 To 1650. %

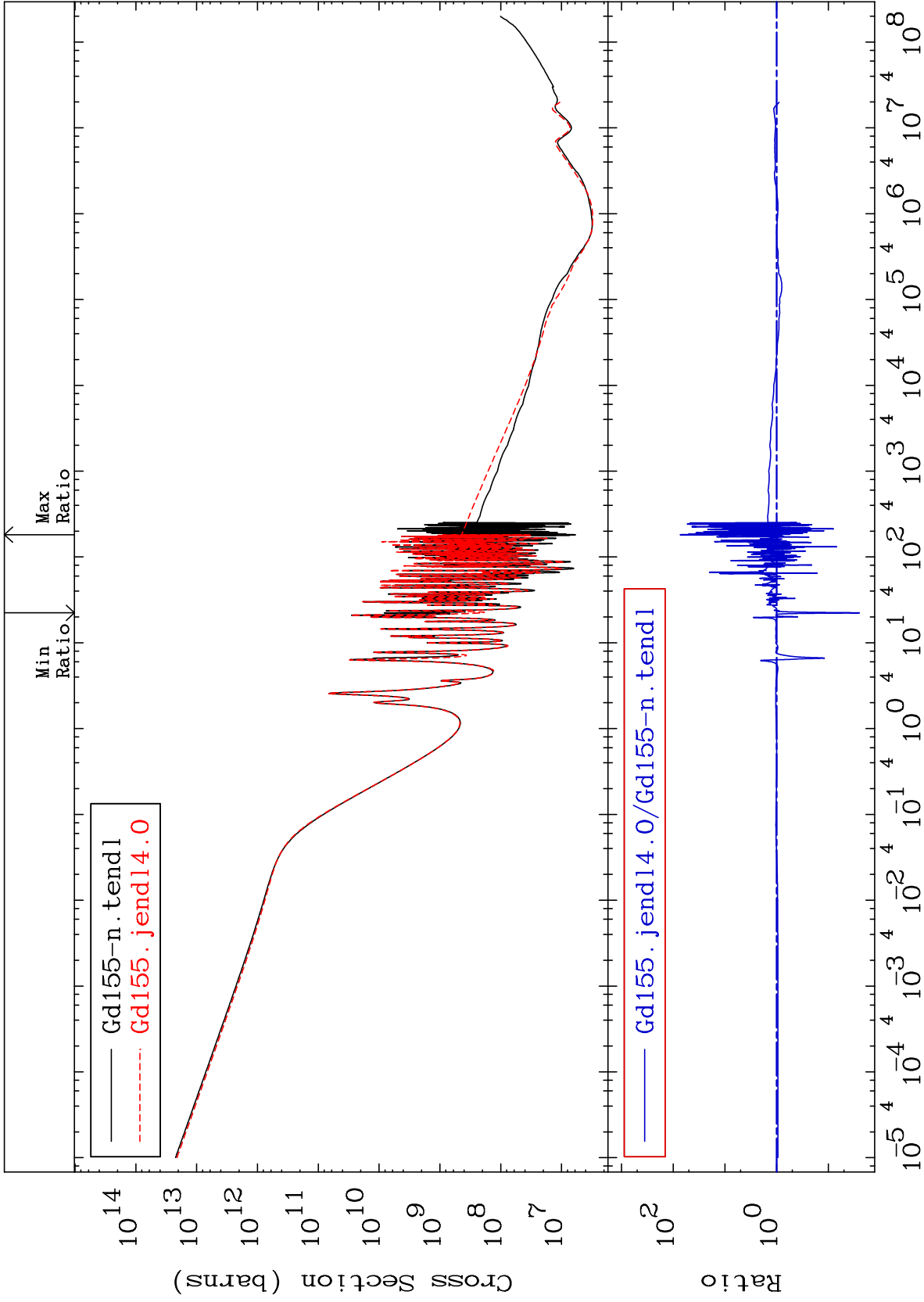


54

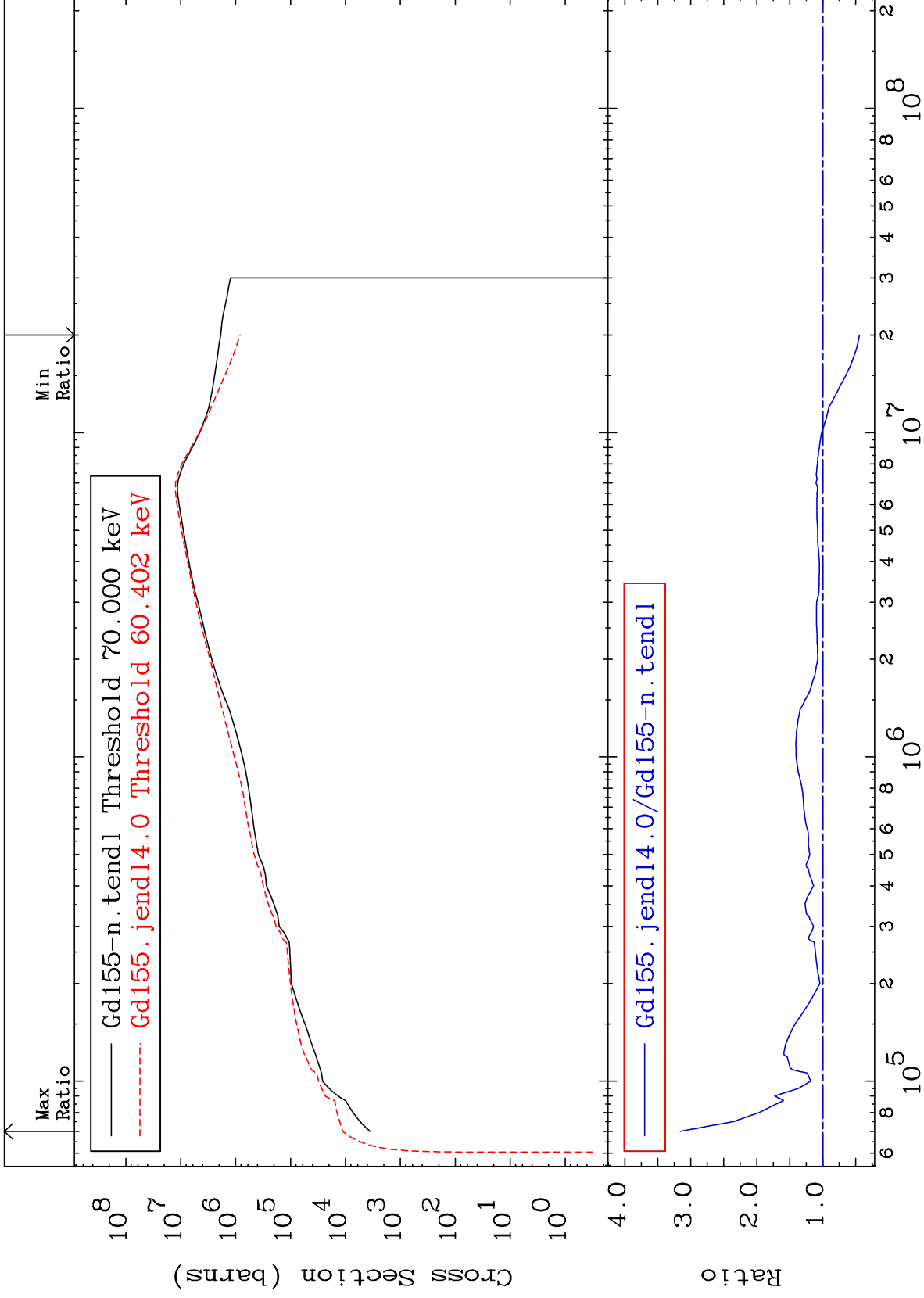
Incident Energy (eV)

64-Gd-155

Cross Section



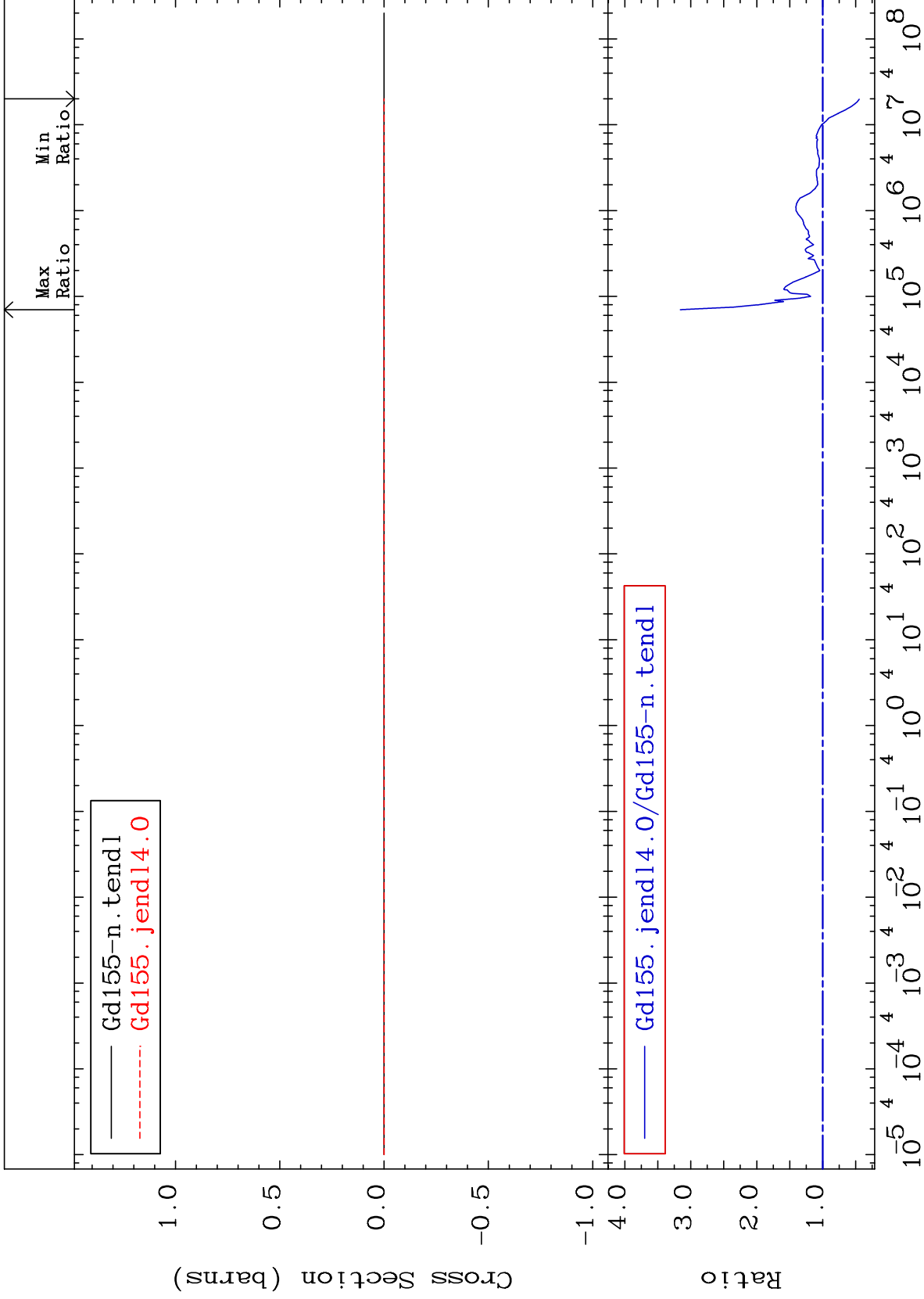
Incident Energy (eV)

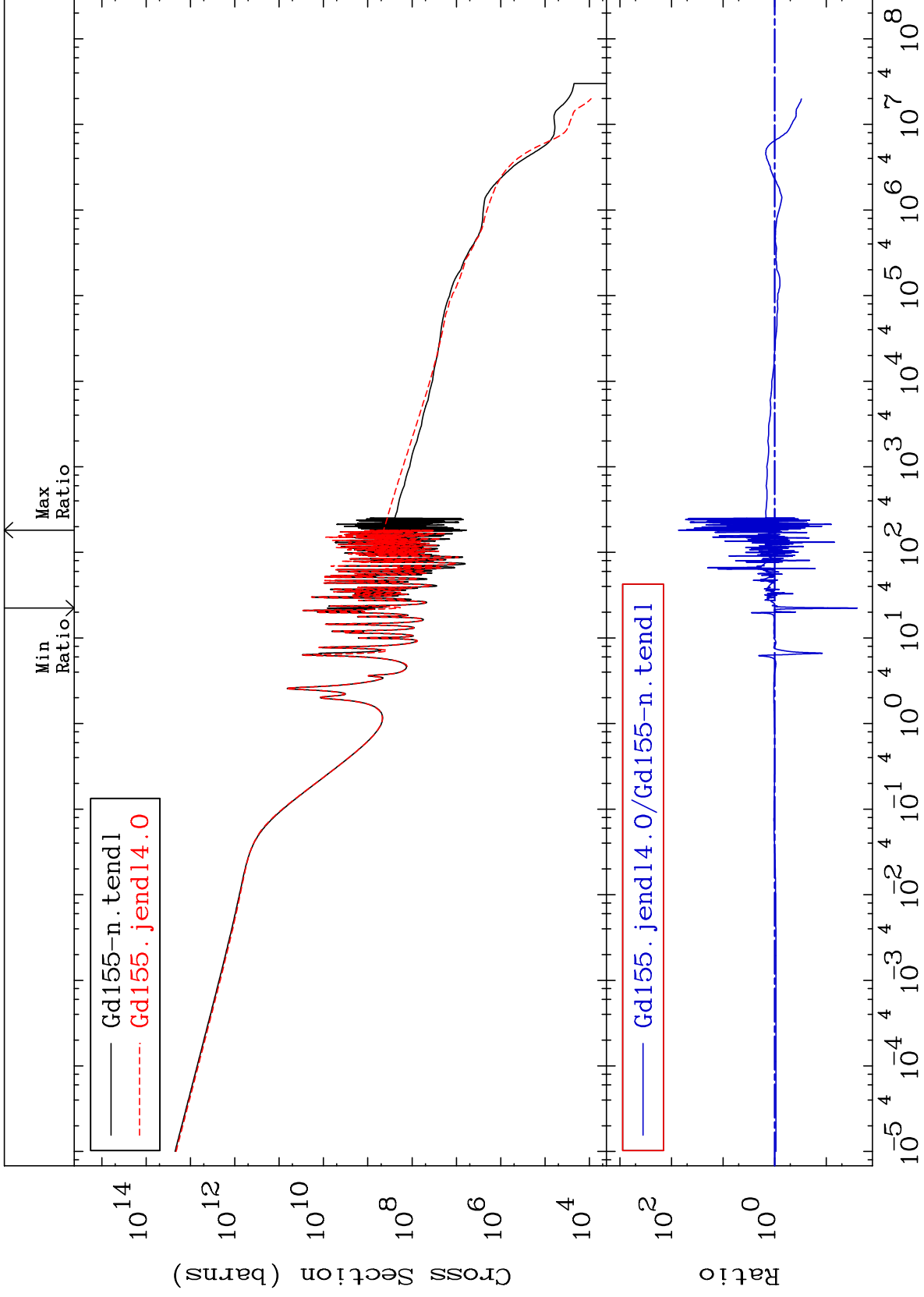


MAT 6434

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

64-Gd-155
-55.68 To 215.8 %





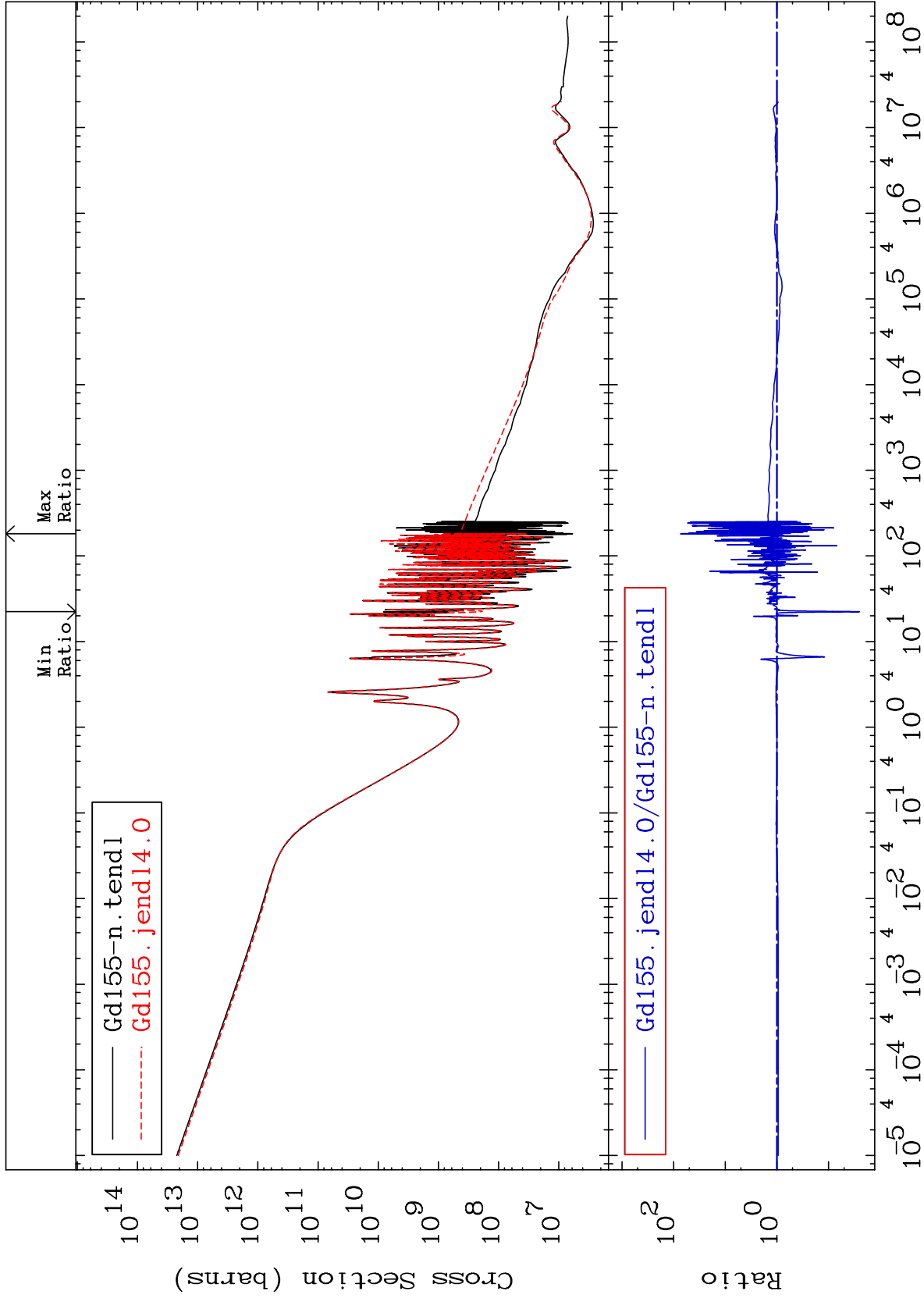
MAT 6434

Total photon (eV-barns)

64-Gd-155

-97.49 To 7193. %

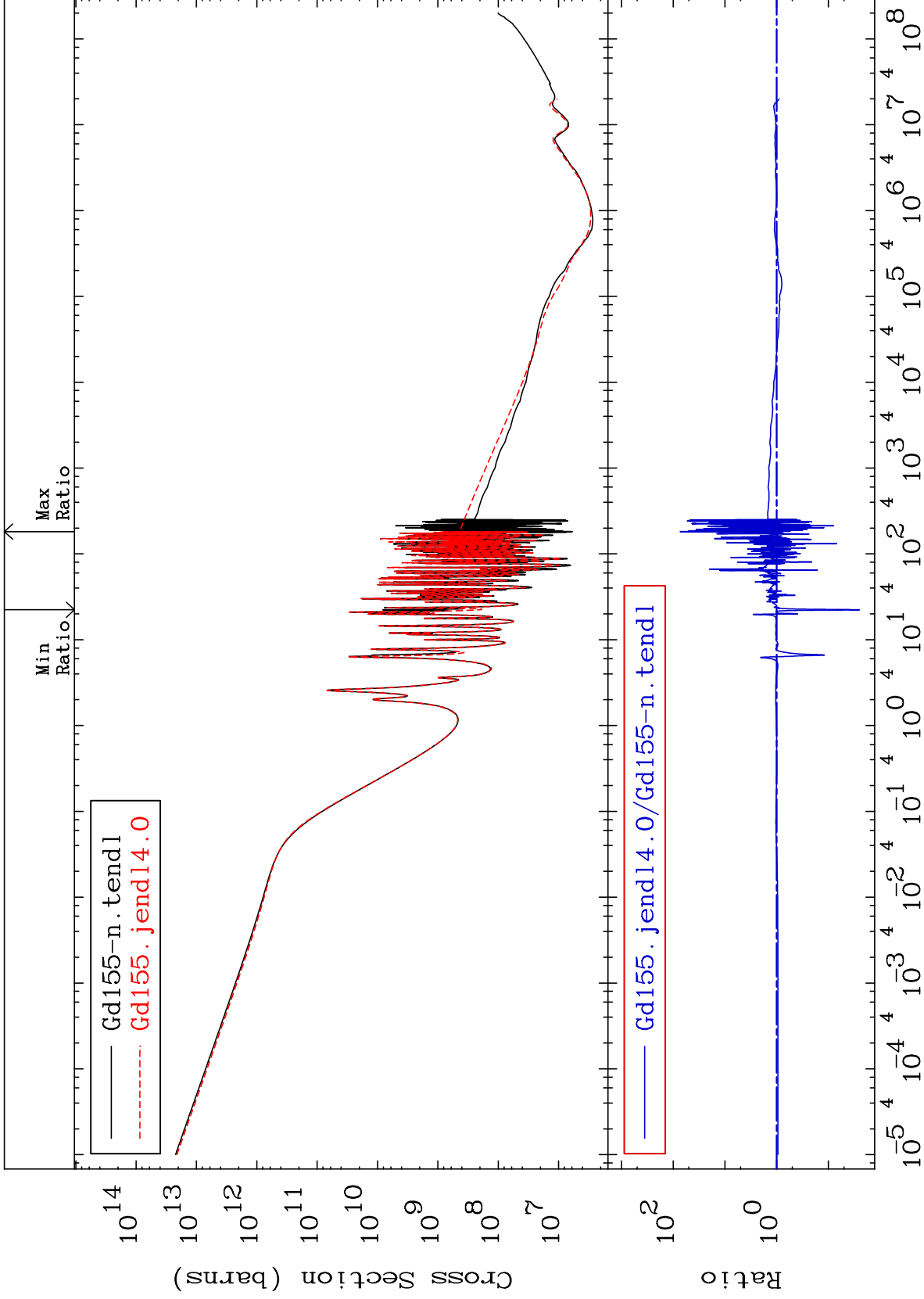
Cross Section



59

Incident Energy (eV)

64-Gd-155



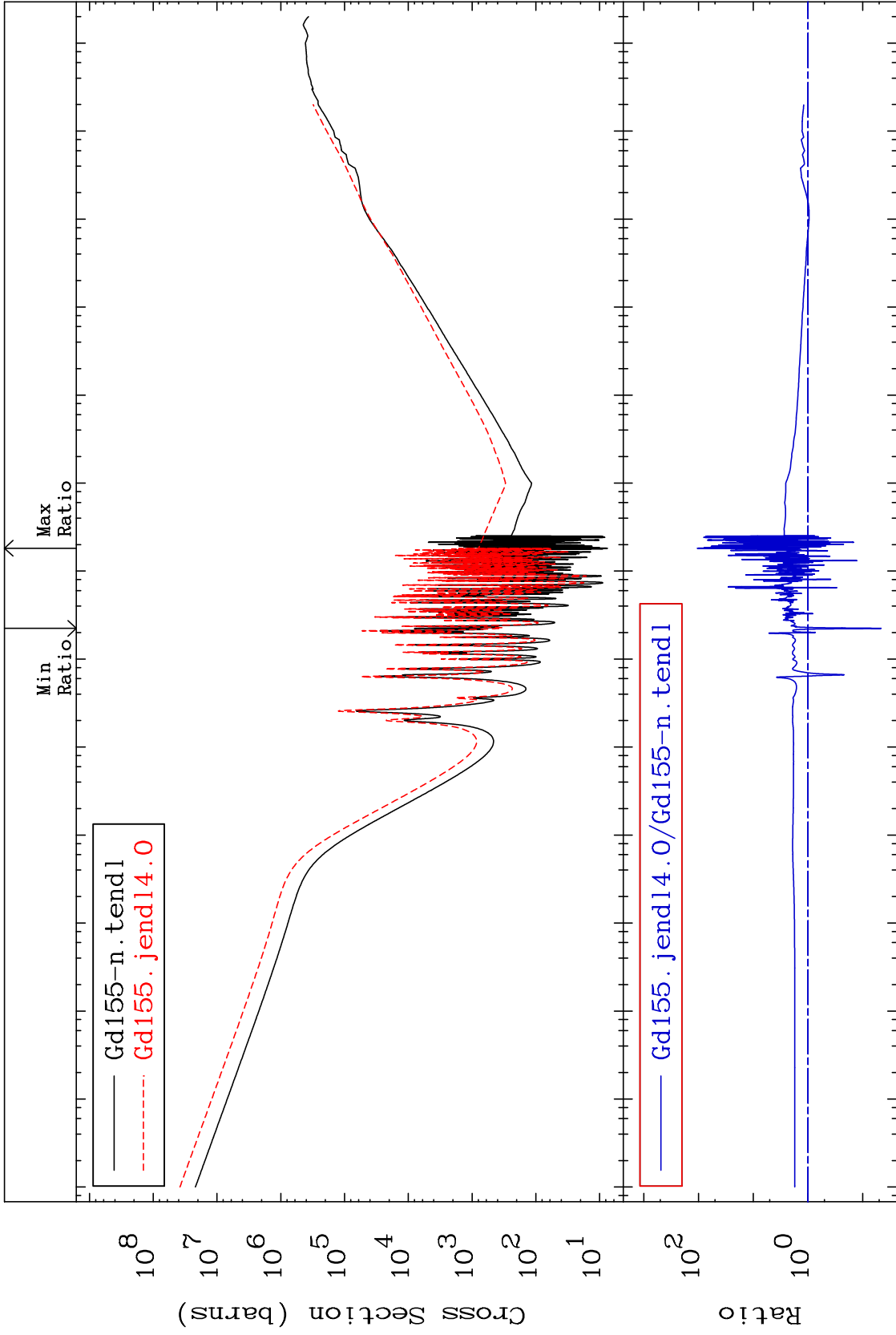
MAT 6434

Dpa total (eV-barns)

64-Gd-155

-95.37 To 9999. %

Cross Section



61

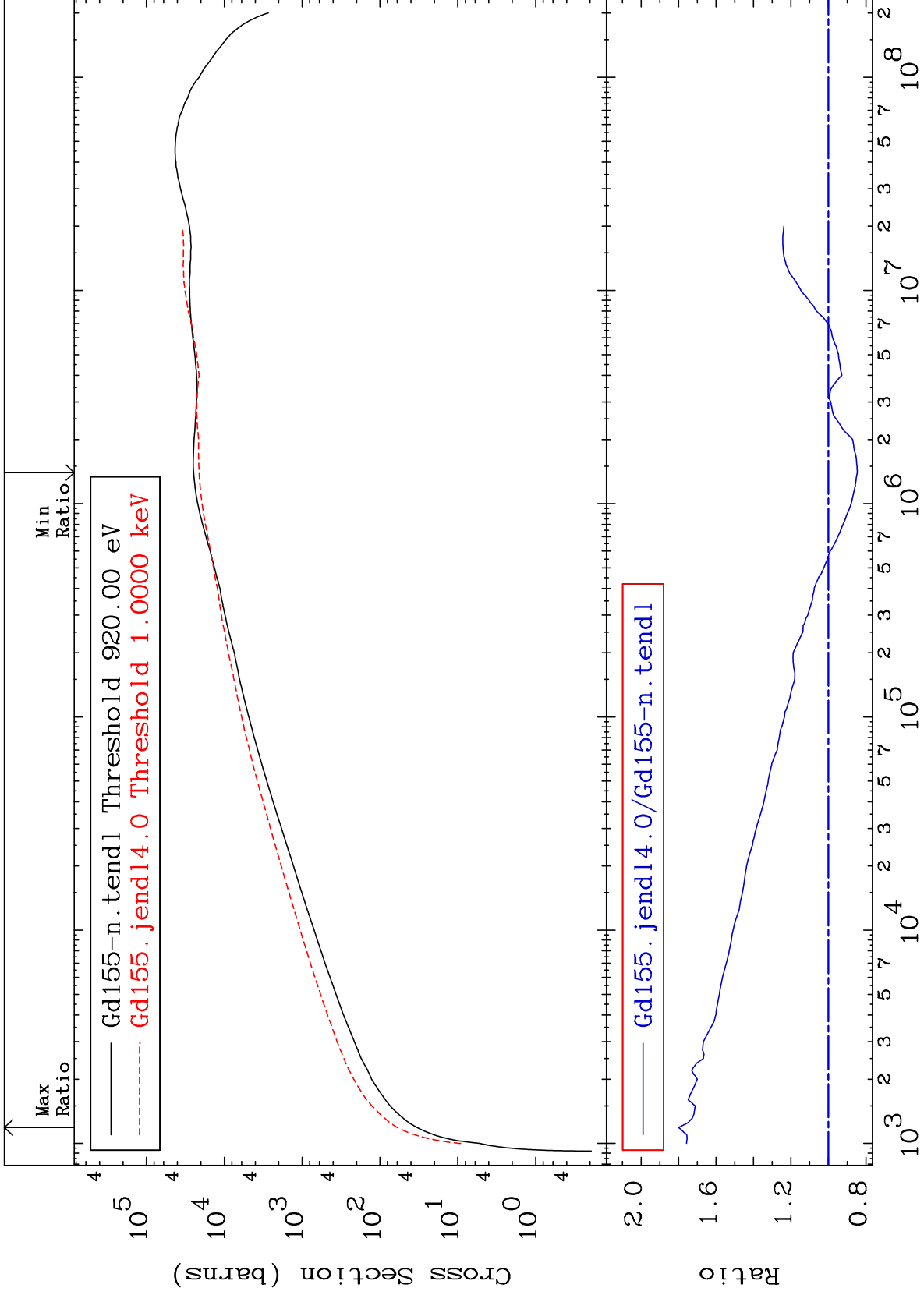
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa elastic (mt2)
Cross Section

64-Gd-155
-15.38 To 79.97 %



62

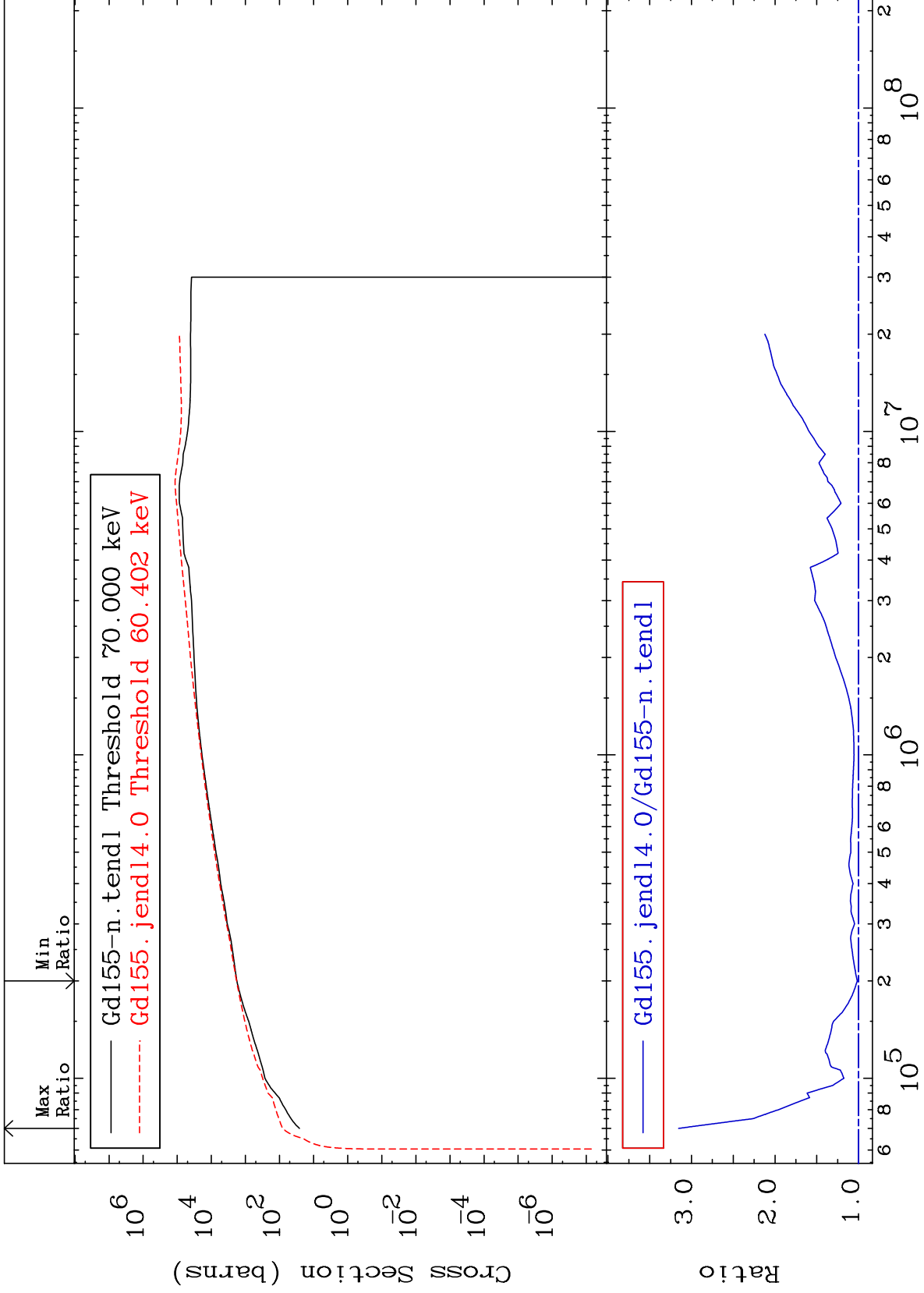
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa inelastic (mt51-91)
Cross Section

64-Gd-155
1.571 To 215.4 %



63

Incident Energy (eV)

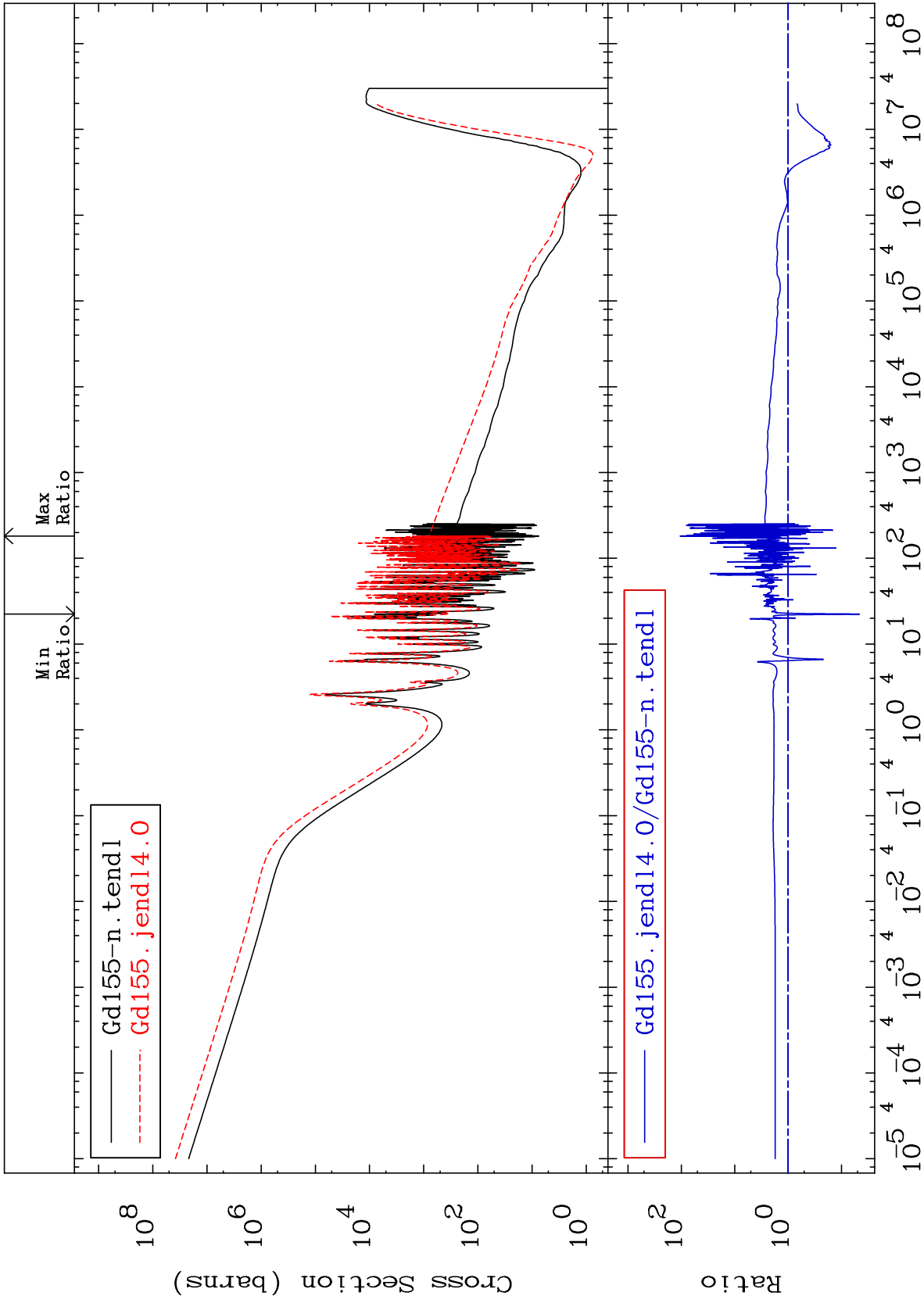
64-Gd-155

MAT 6434

Dpa disappearance (mt102 -120)

64-Gd-155

-95.37 To 9999. %



64

Incident Energy (eV)

64-Gd-155