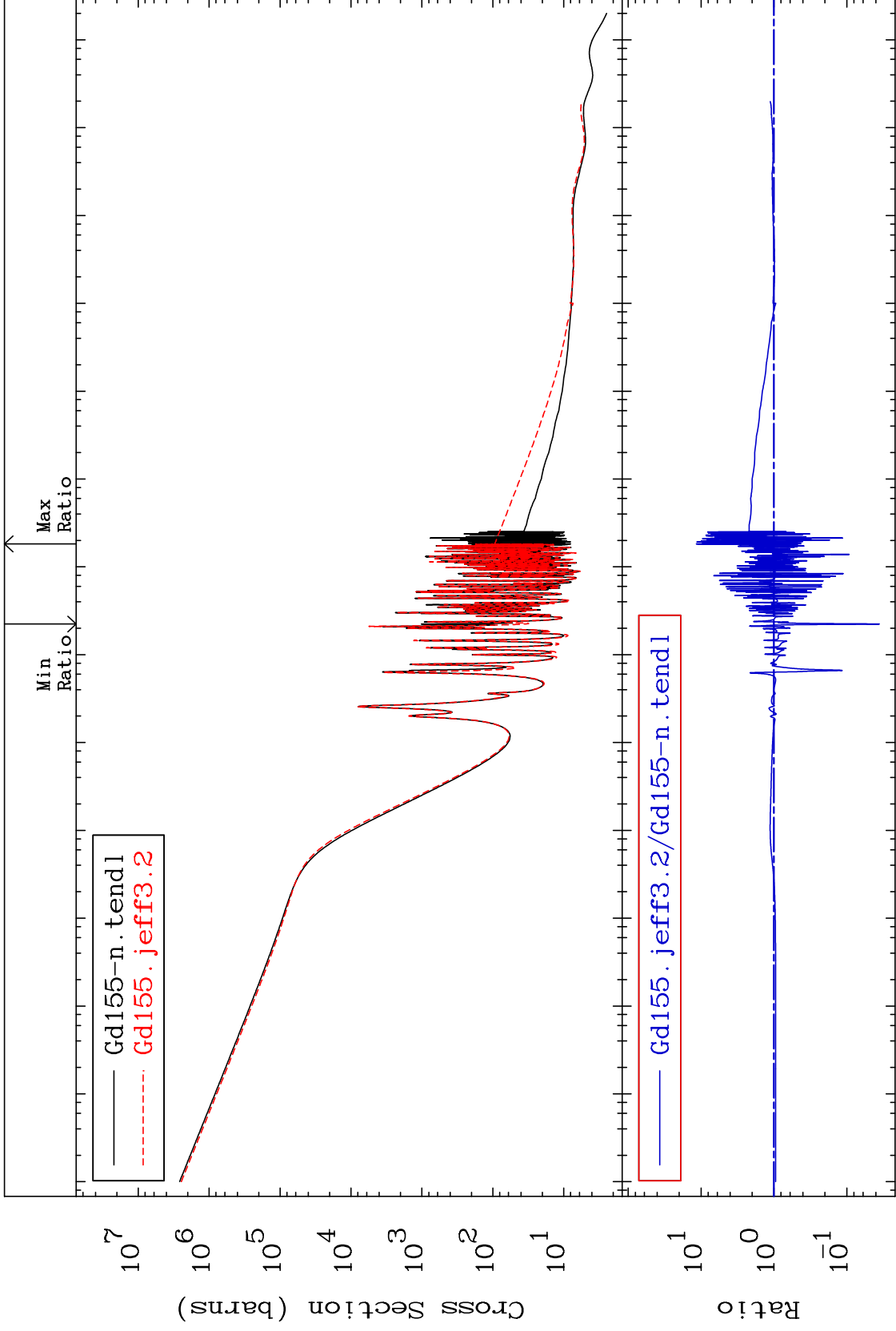


MAT 6434

Total Cross Section
64-Gd-155
-96.44 To 1065. %

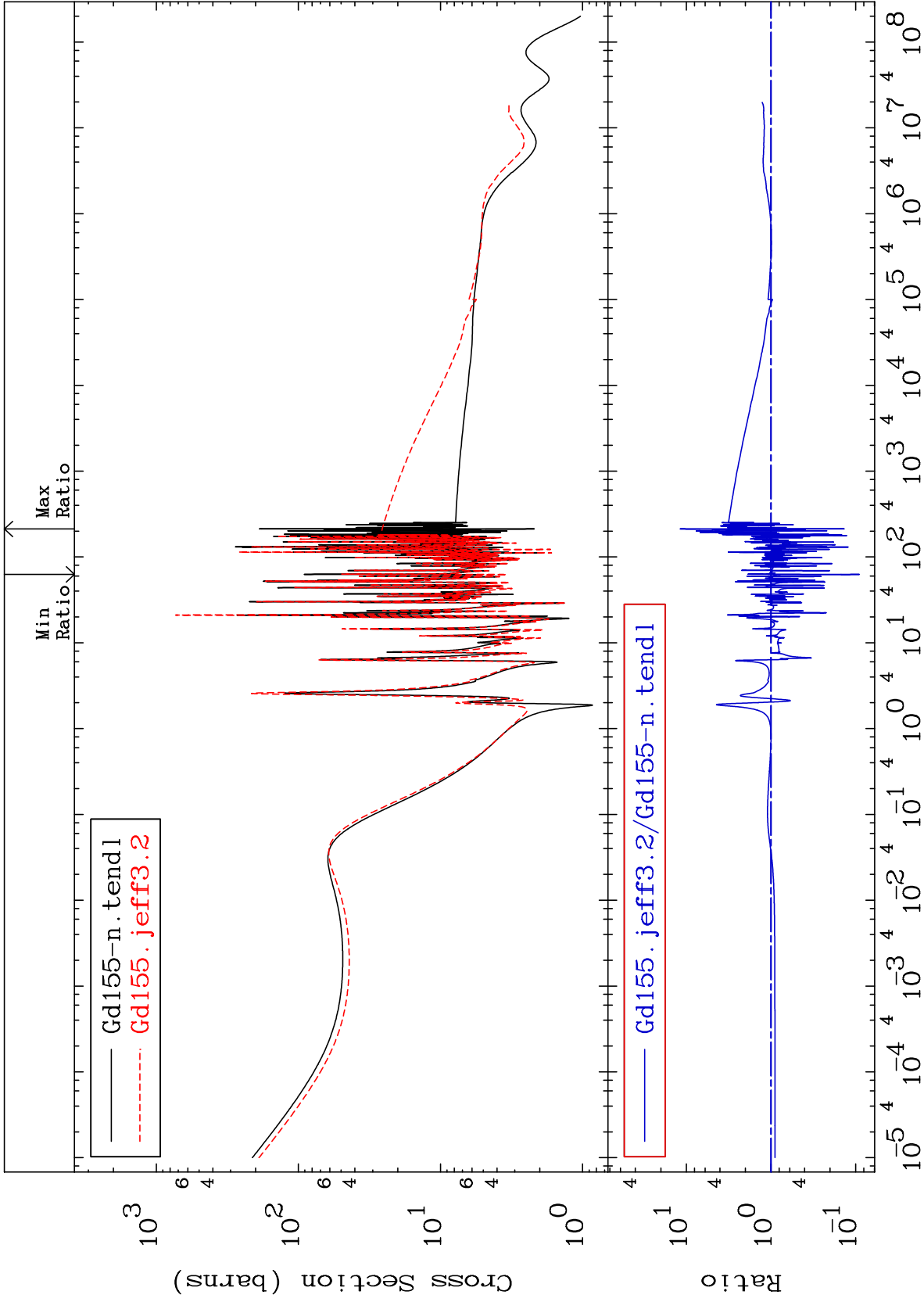


Incident Energy (eV) 64-Gd-155

MAT 6434

Elastic
Cross Section

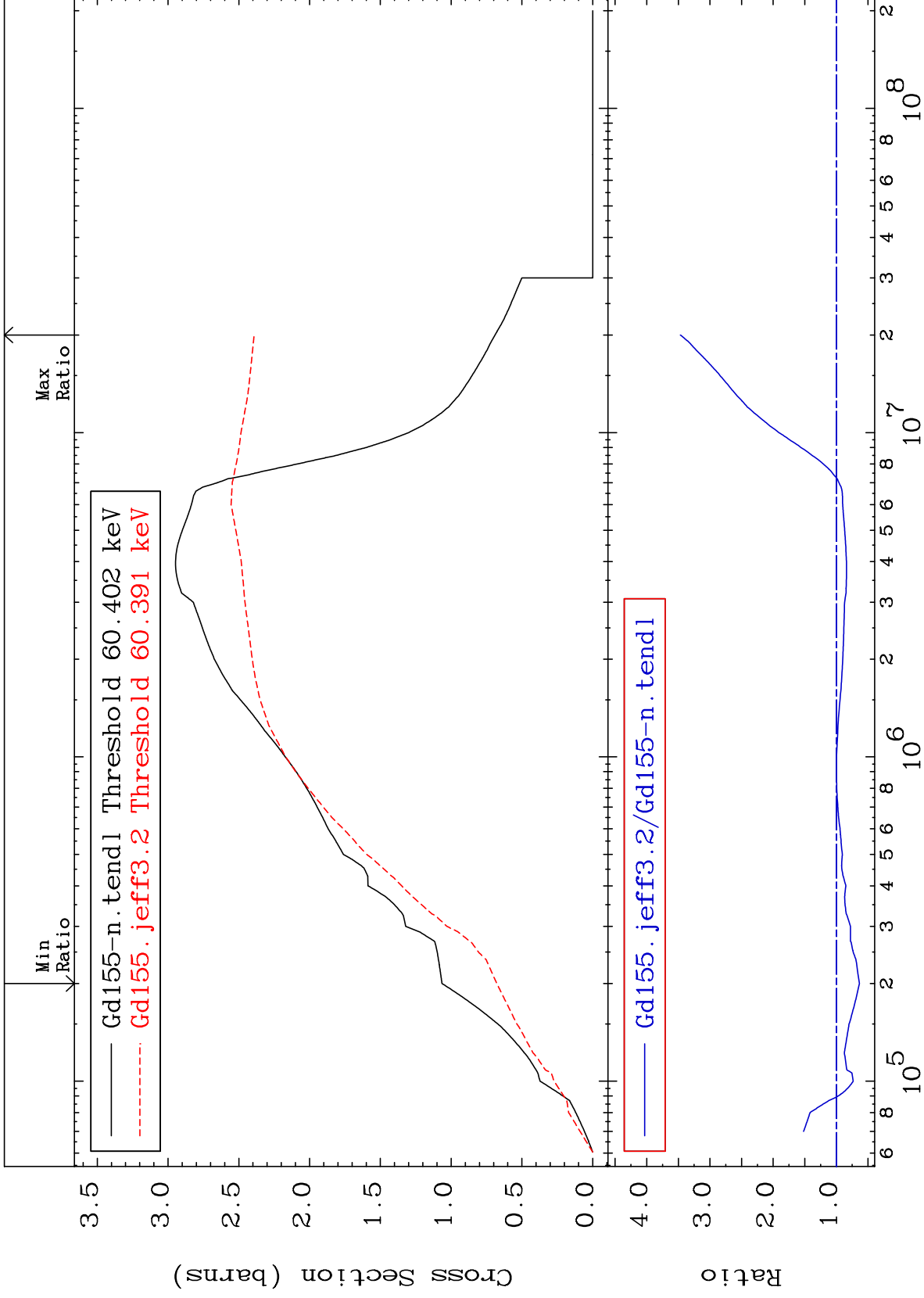
64-Gd-155
-91.00 To 1076. %



MAT 6434

Inelastic
Cross Section

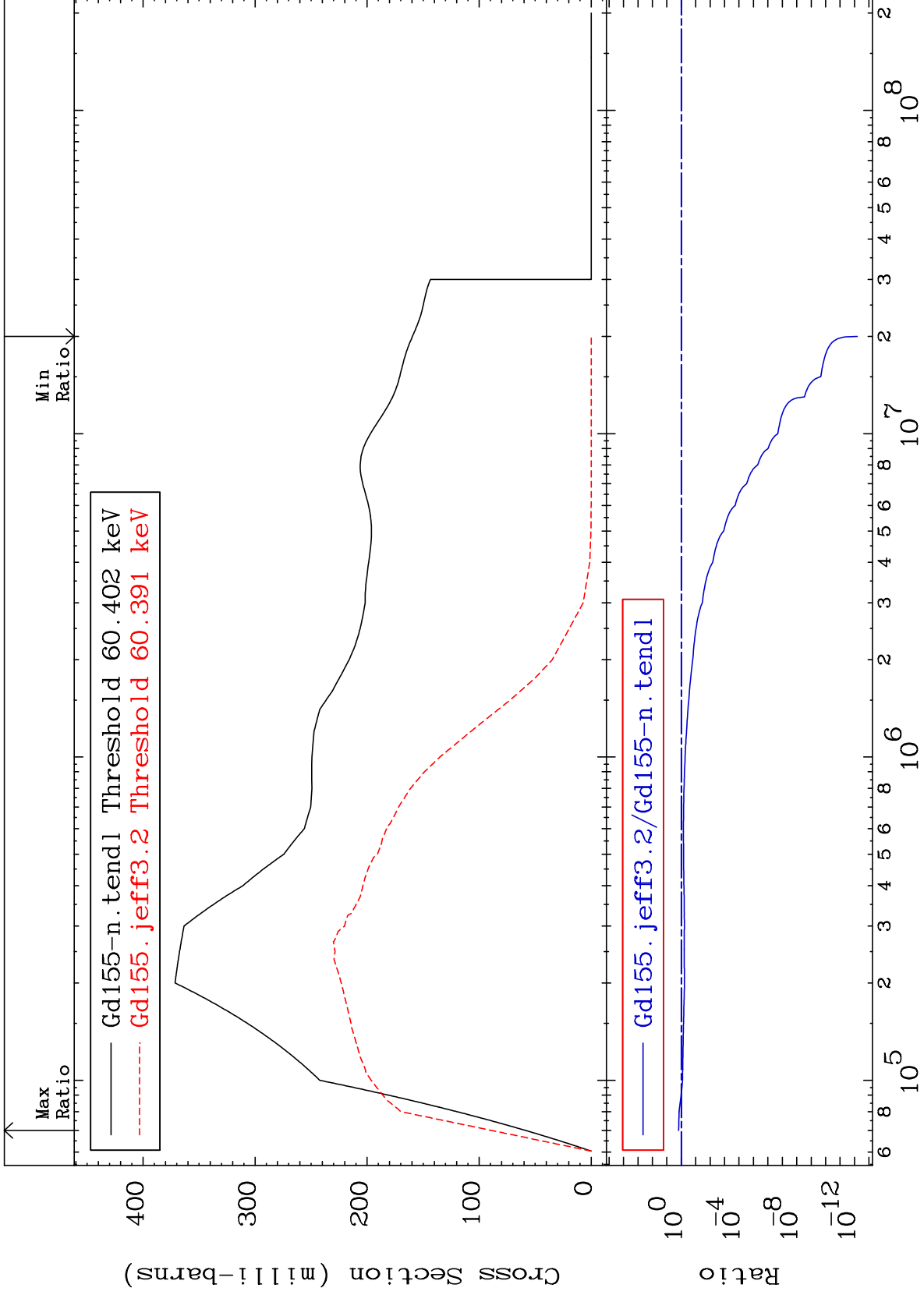
64-Gd-155
-36.39 To 246.8 %



MAT 6434

60.01 keV (n,n') Level
Cross Section

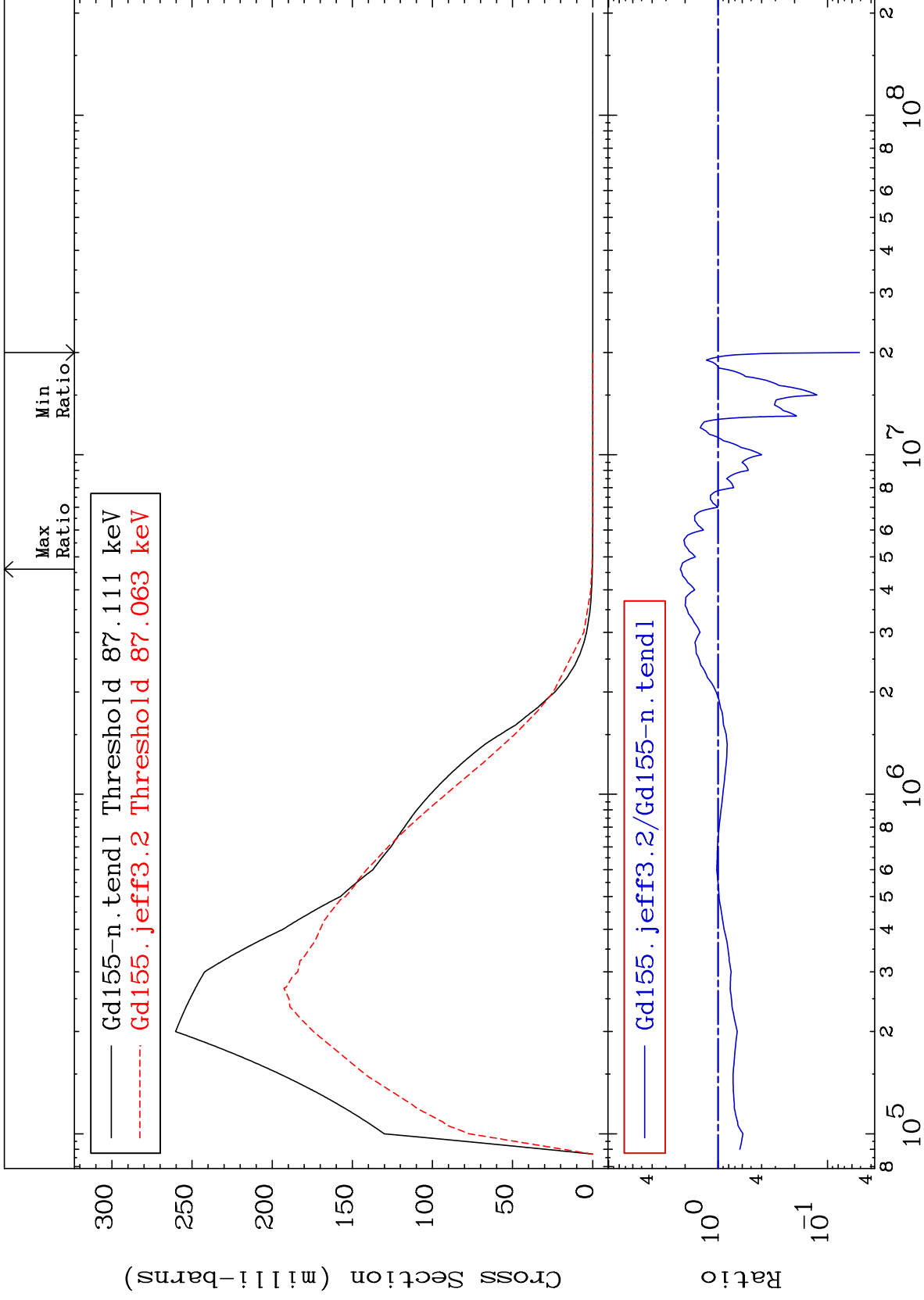
64-Gd-155
-100.0 To 51.88 %



MAT 6434

86.55 keV (n,n') Level
Cross Section

64-Gd-155
-94.89 To 121.0 %



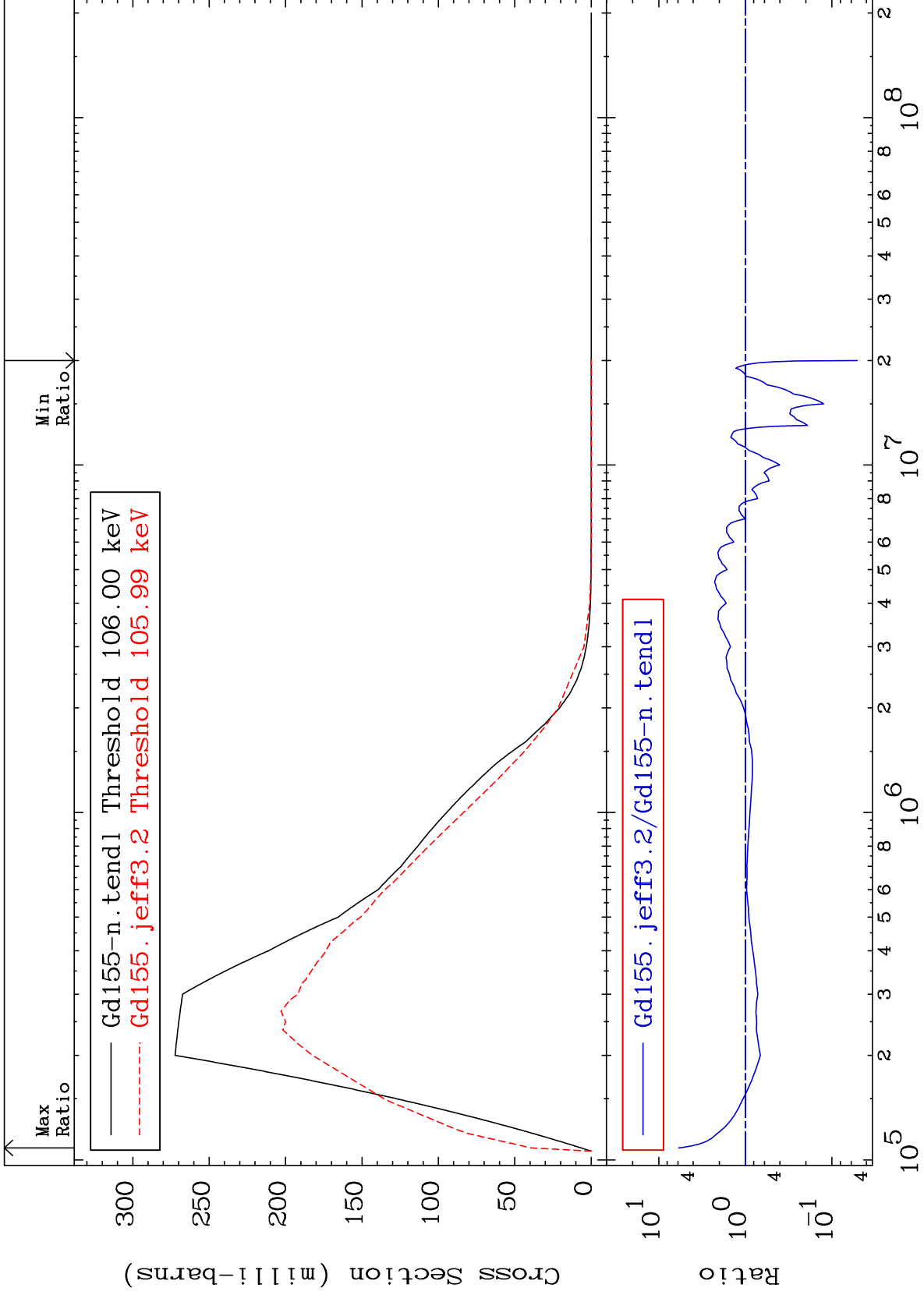
Incident Energy (eV)

64-Gd-155

MAT 6434

105.3 keV (n,n') Level
Cross Section

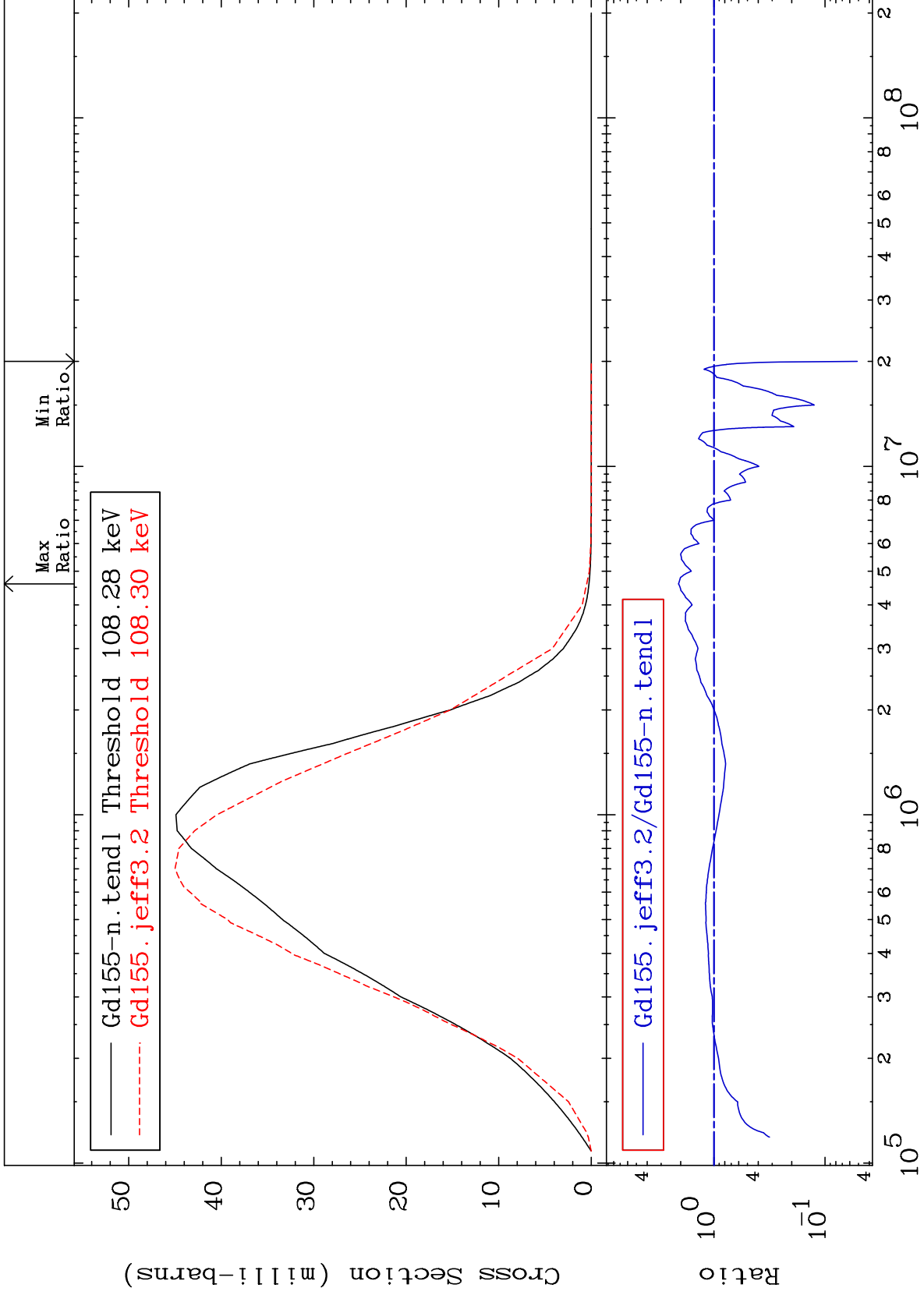
64-Gd-155
-94.90 To 489.3 %



MAT 6434

107.6 keV (n,n') Level
Cross Section

64-Gd-155
-94.87 To 108.2 %



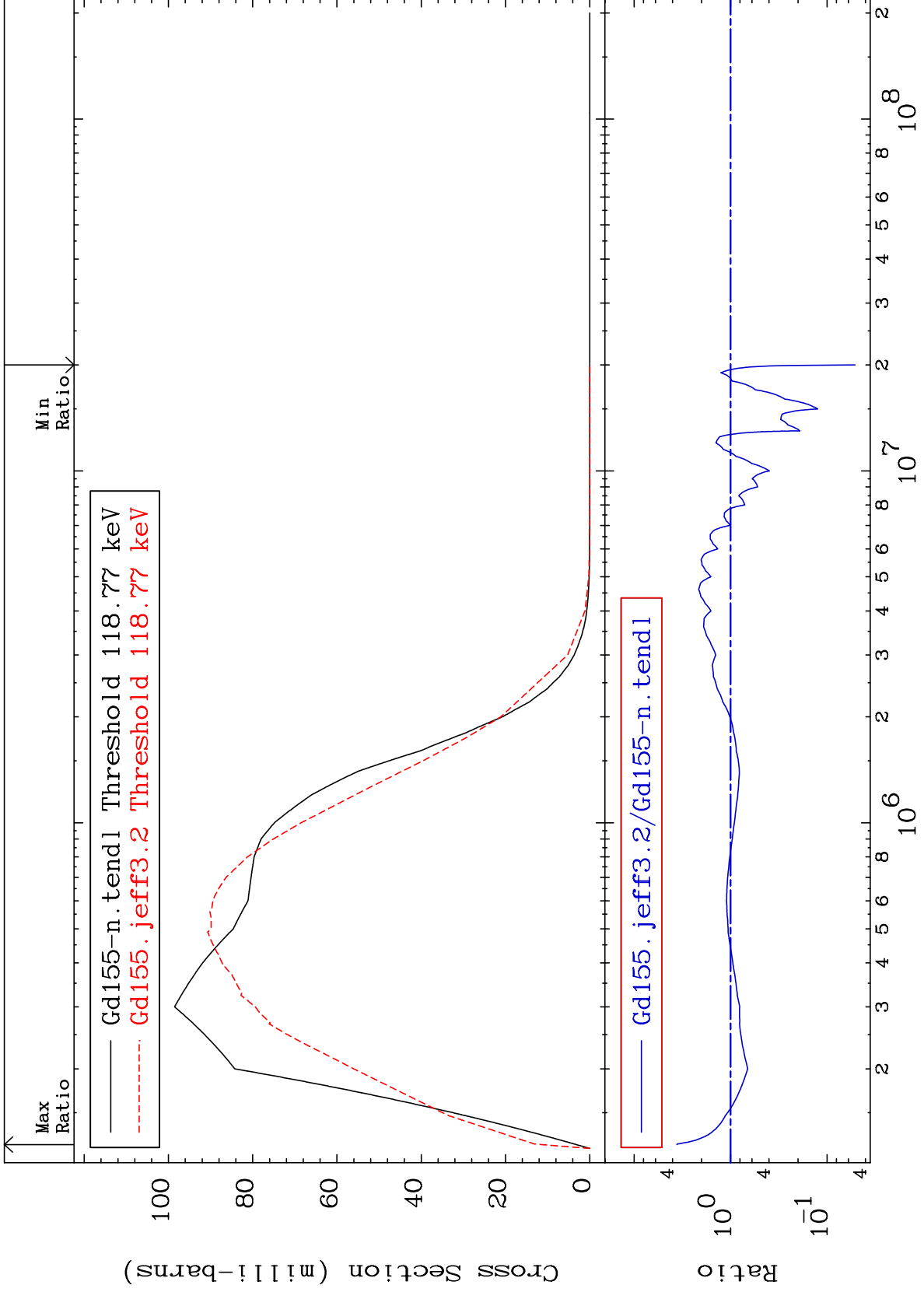
Incident Energy (eV)

64-Gd-155

MAT 6434

118.0 keV (n,n') Level
Cross Section

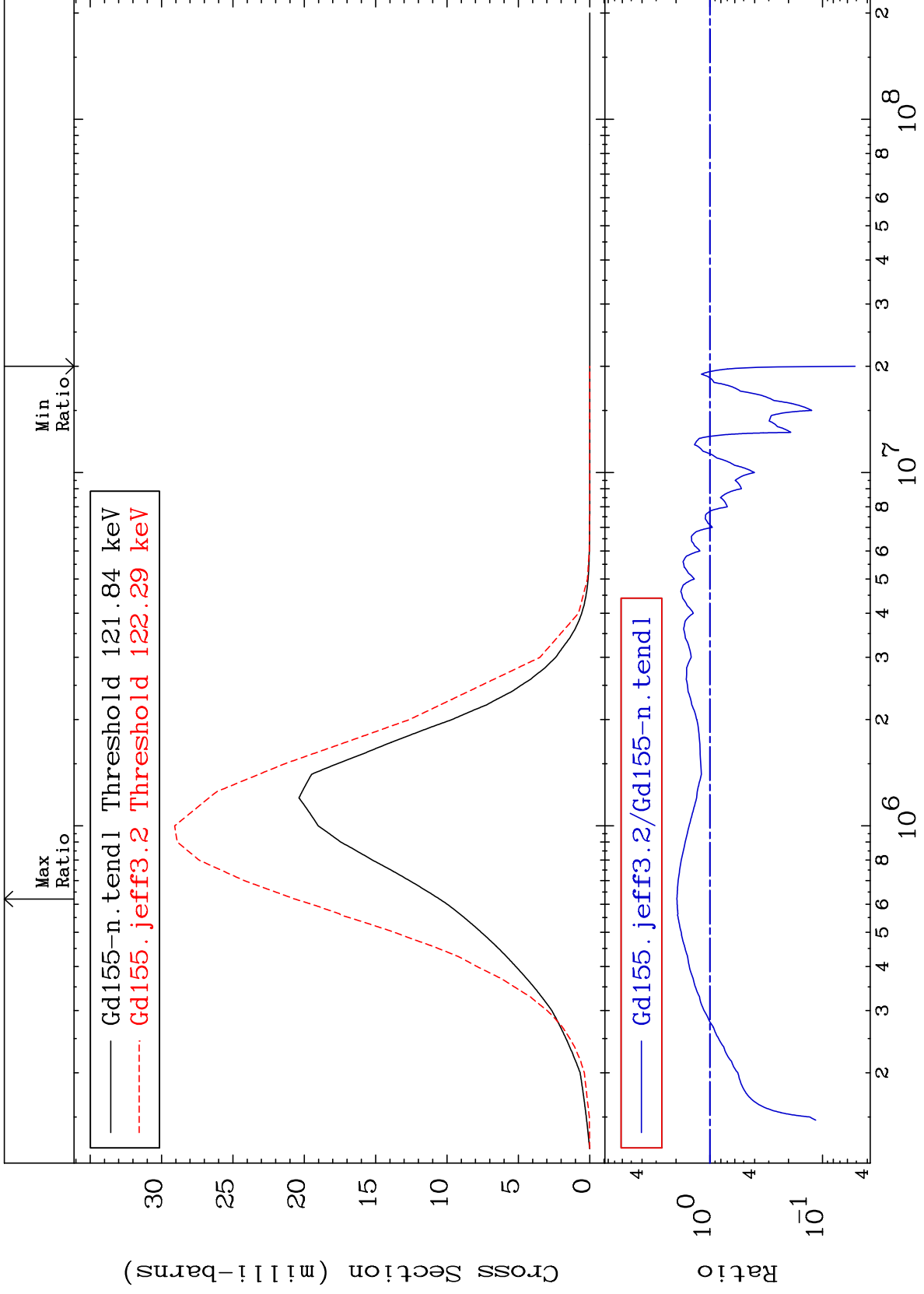
64-Gd-155
-94.88 To 260.2 %



MAT 6434

121.1 keV (n,n') Level
Cross Section

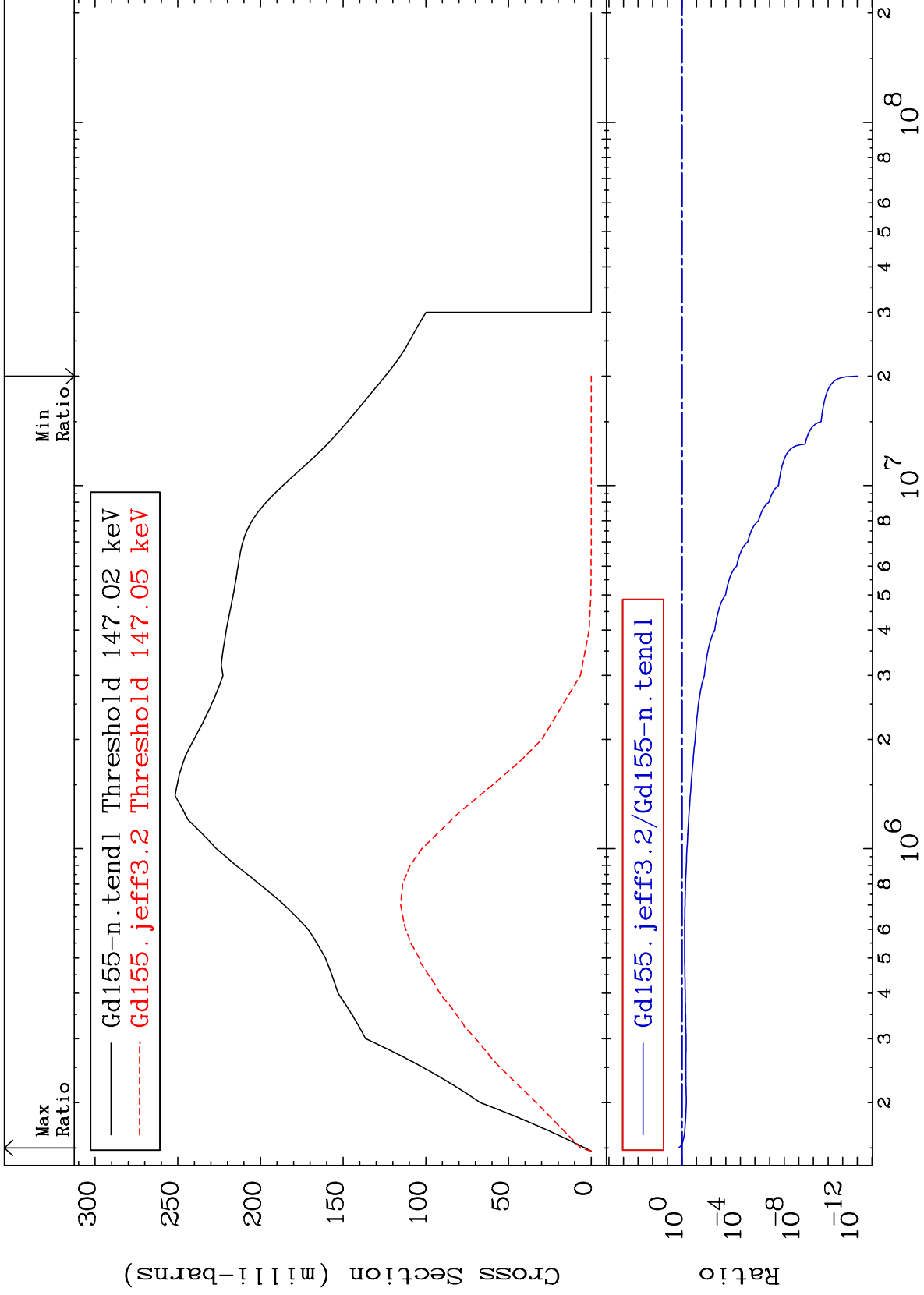
64-Gd-155
-94.87 To 96.20 %



MAT 6434

146.1 keV (n,n') Level
Cross Section

64-Gd-155
-100.0 To 67.79 %



10

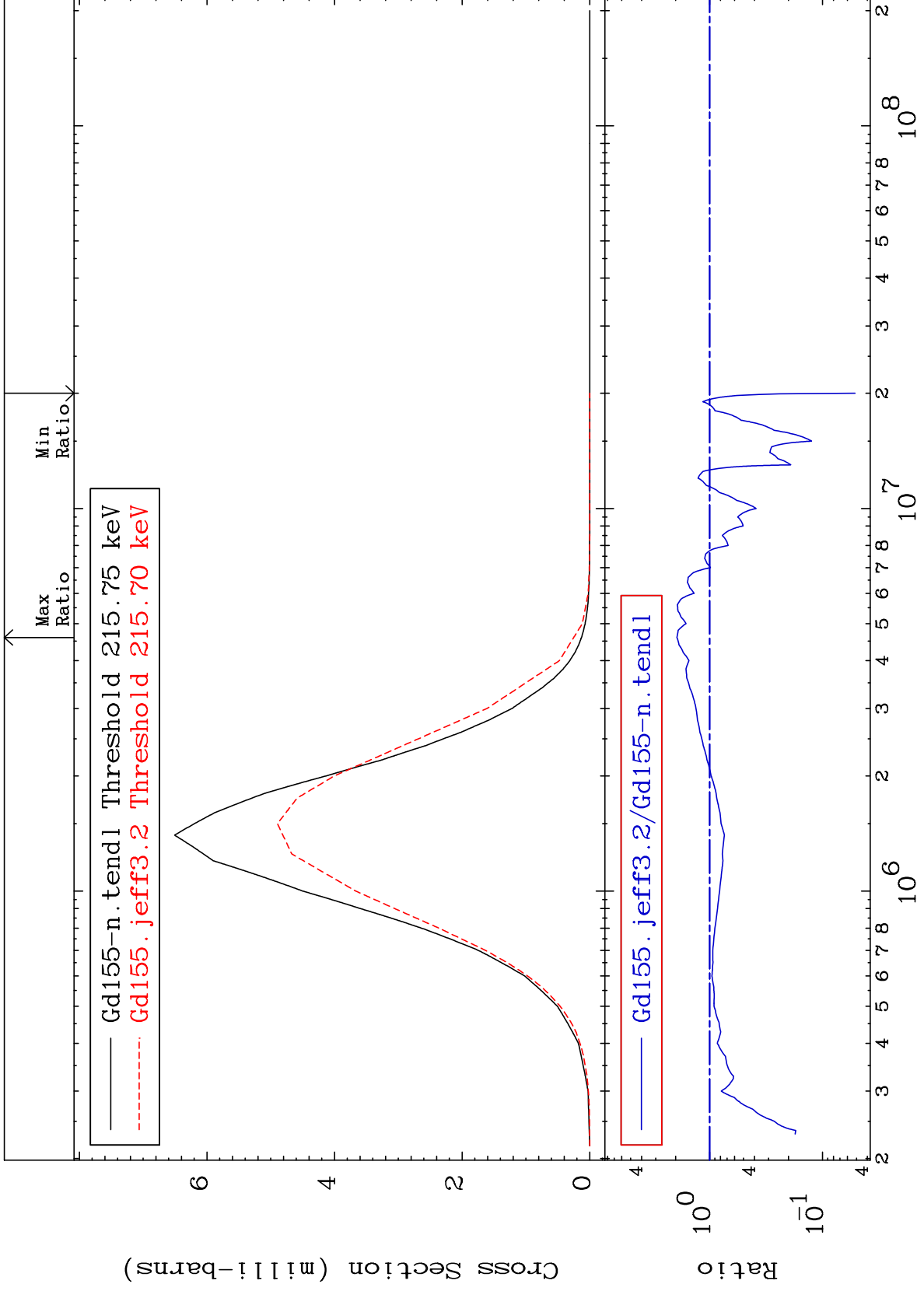
Incident Energy (eV)

64-Gd-155

MAT 6434

214.4 keV (n,n') Level
Cross Section

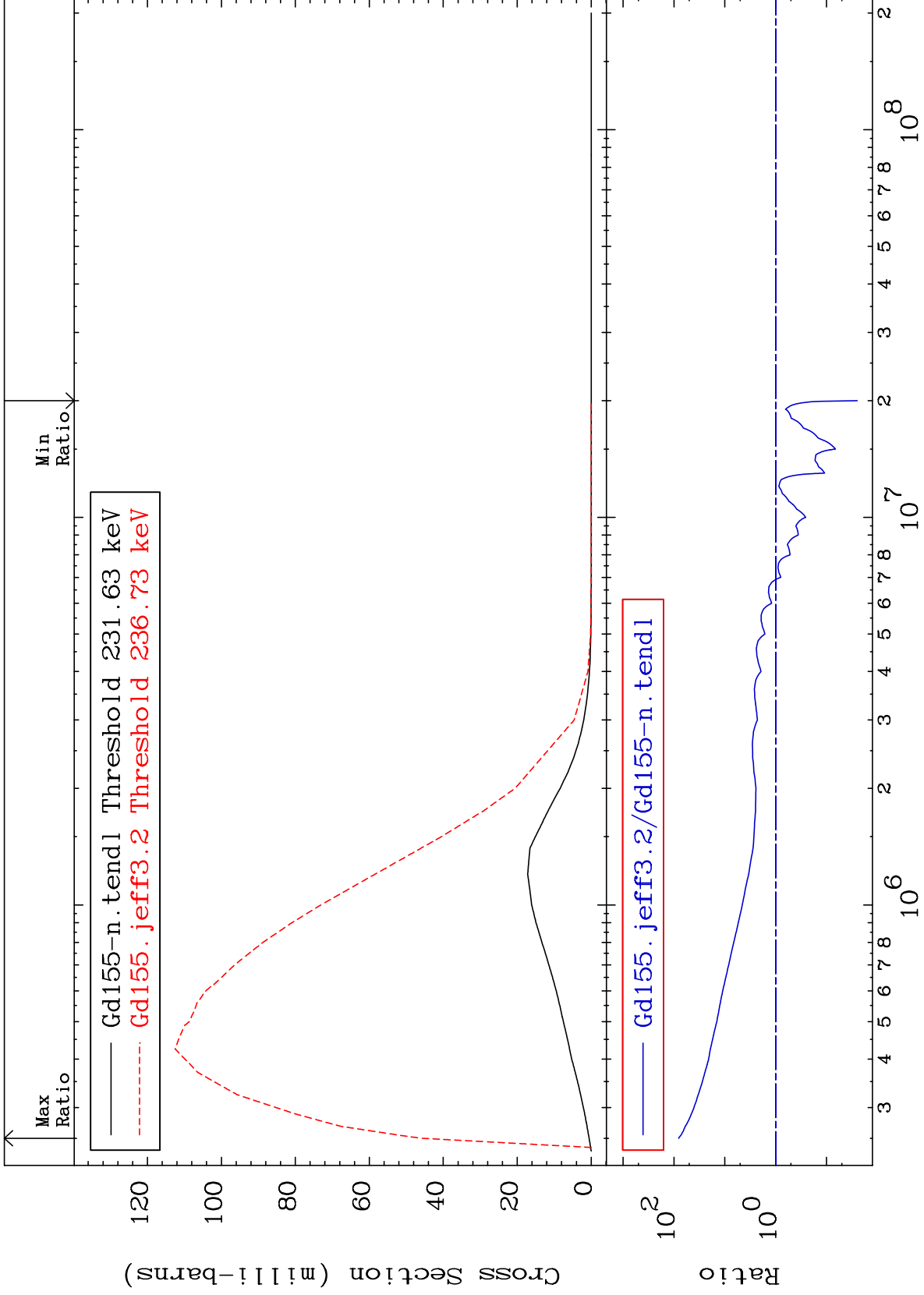
64-Gd-155
-94.86 To 94.69 %



MAT 6434

230.1 keV (n,n') Level
Cross Section

64-Gd-155
-97.51 To 7995. %



12

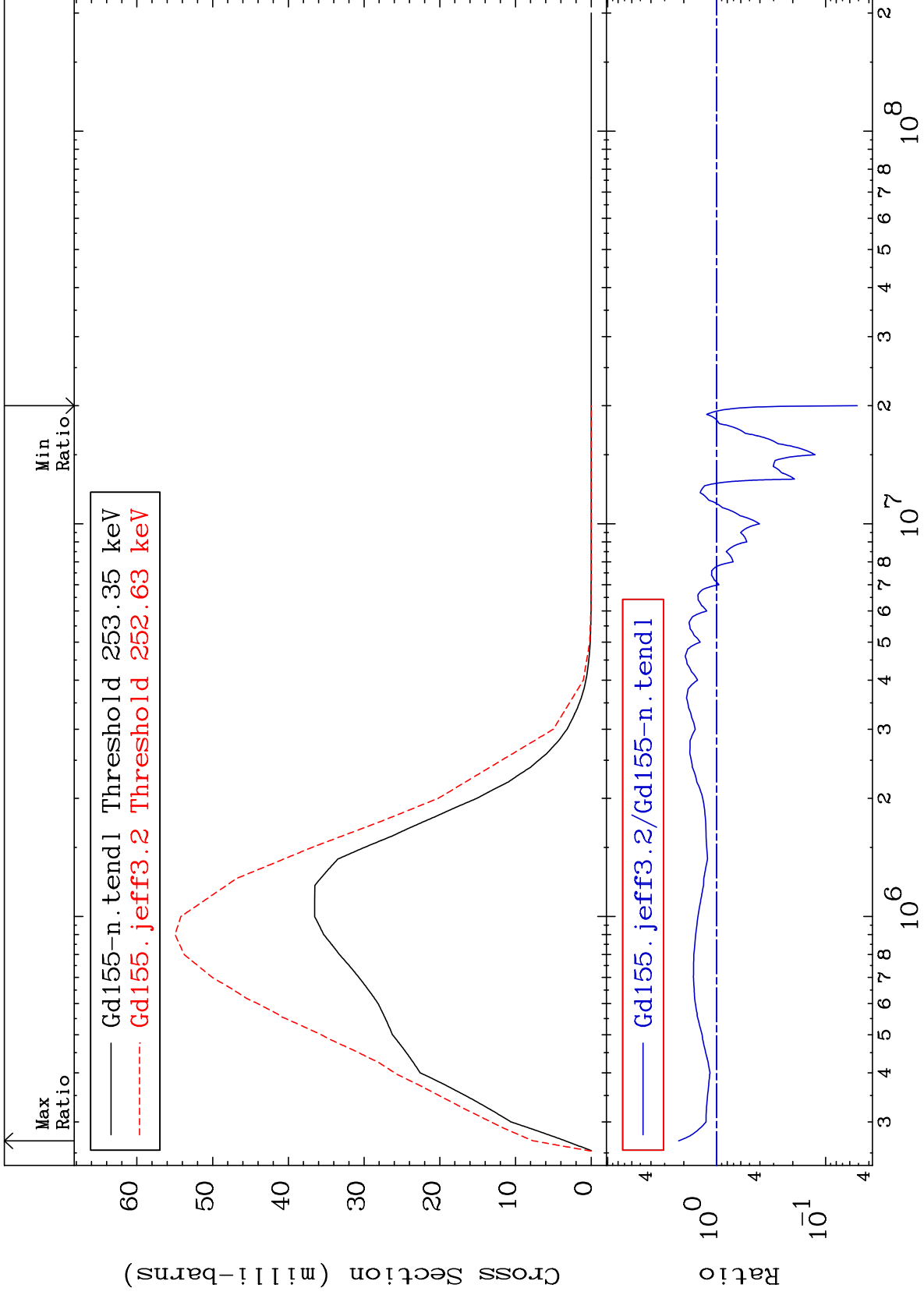
Incident Energy (eV)

64-Gd-155

MAT 6434

251.7 keV (n,n') Level
Cross Section

64-Gd-155
-94.87 To 123.0 %



13

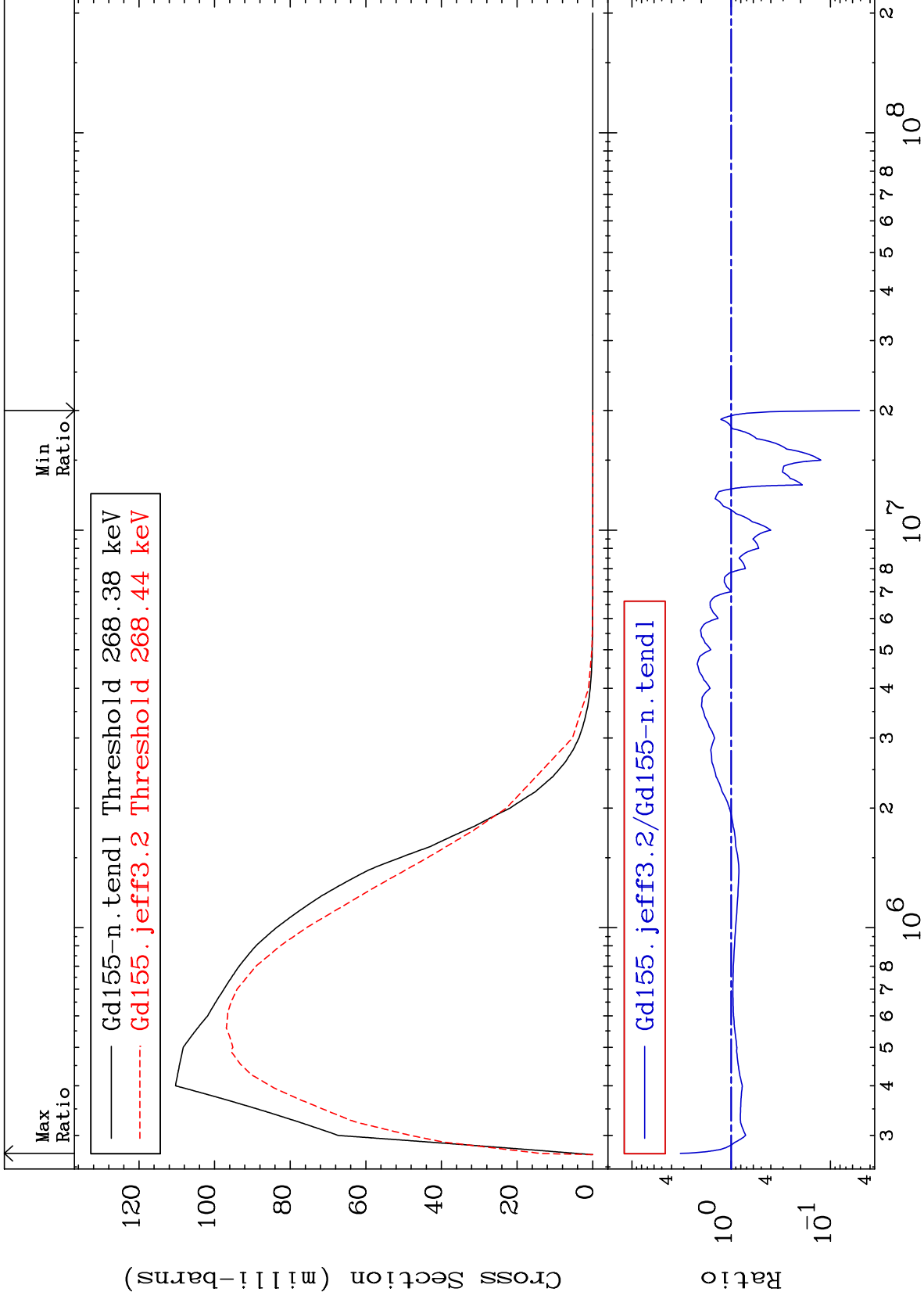
Incident Energy (eV)

64-Gd-155

MAT 6434

266.6 keV (n,n') Level
Cross Section

64-Gd-155
-94.89 To 225.5 %



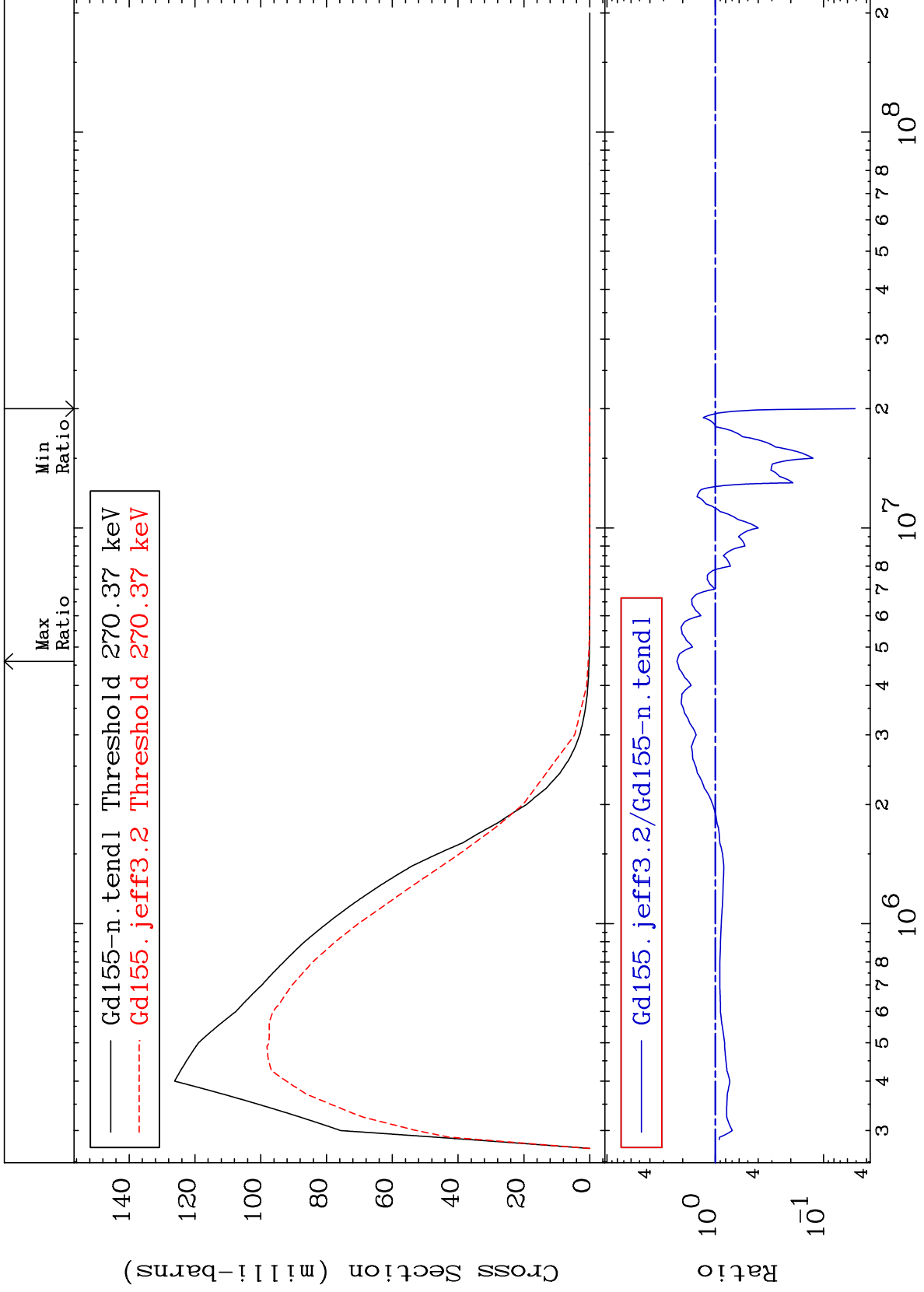
14

64-Gd-155

MAT 6434

268.6 keV (n,n') Level
Cross Section

64-Gd-155
-94.90 To 125.7 %



64-Gd-155

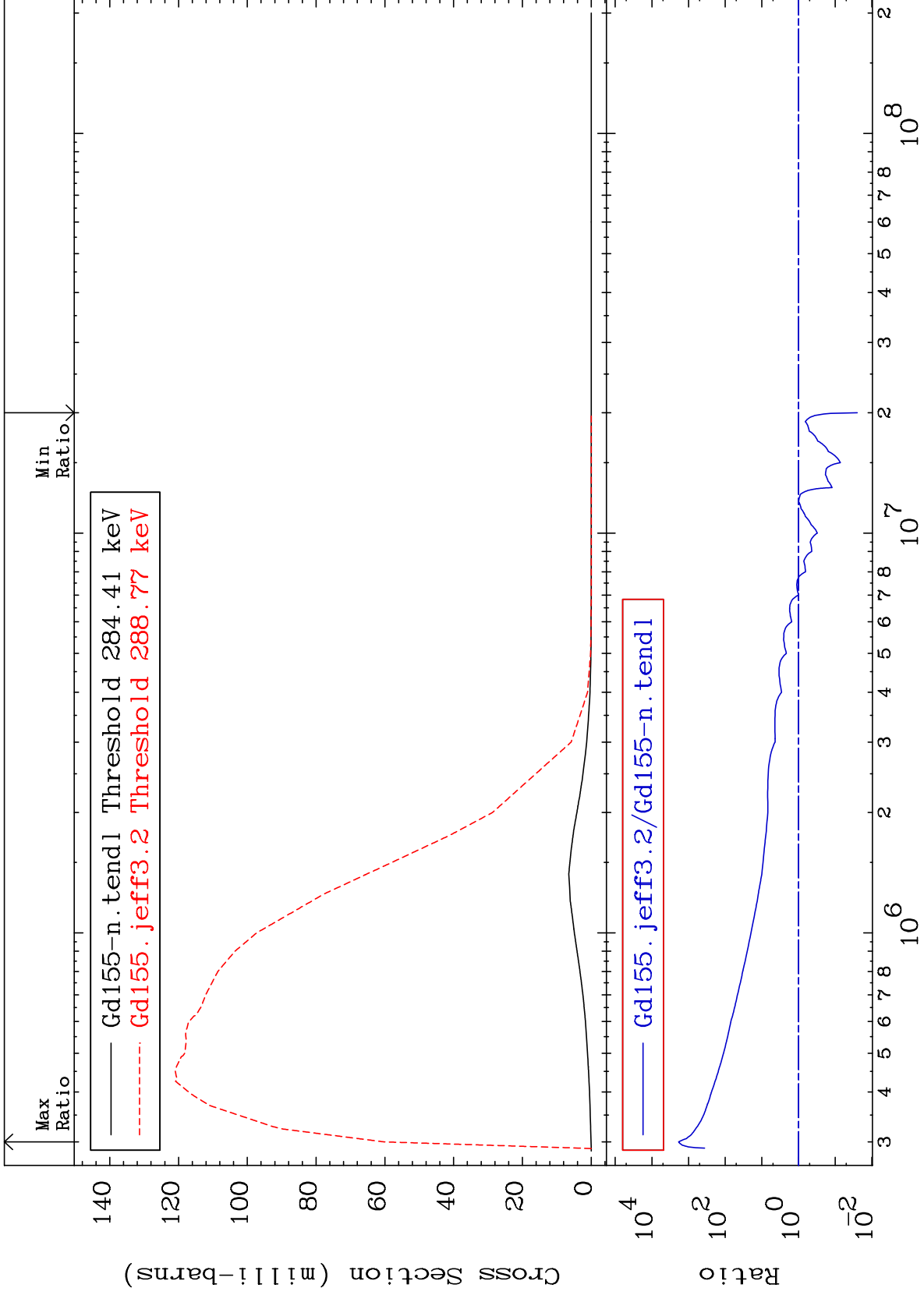
Incident Energy (eV)

15

MAT 6434

282.6 keV (n,n') Level
Cross Section

64-Gd-155
-97.49 To 9999. %



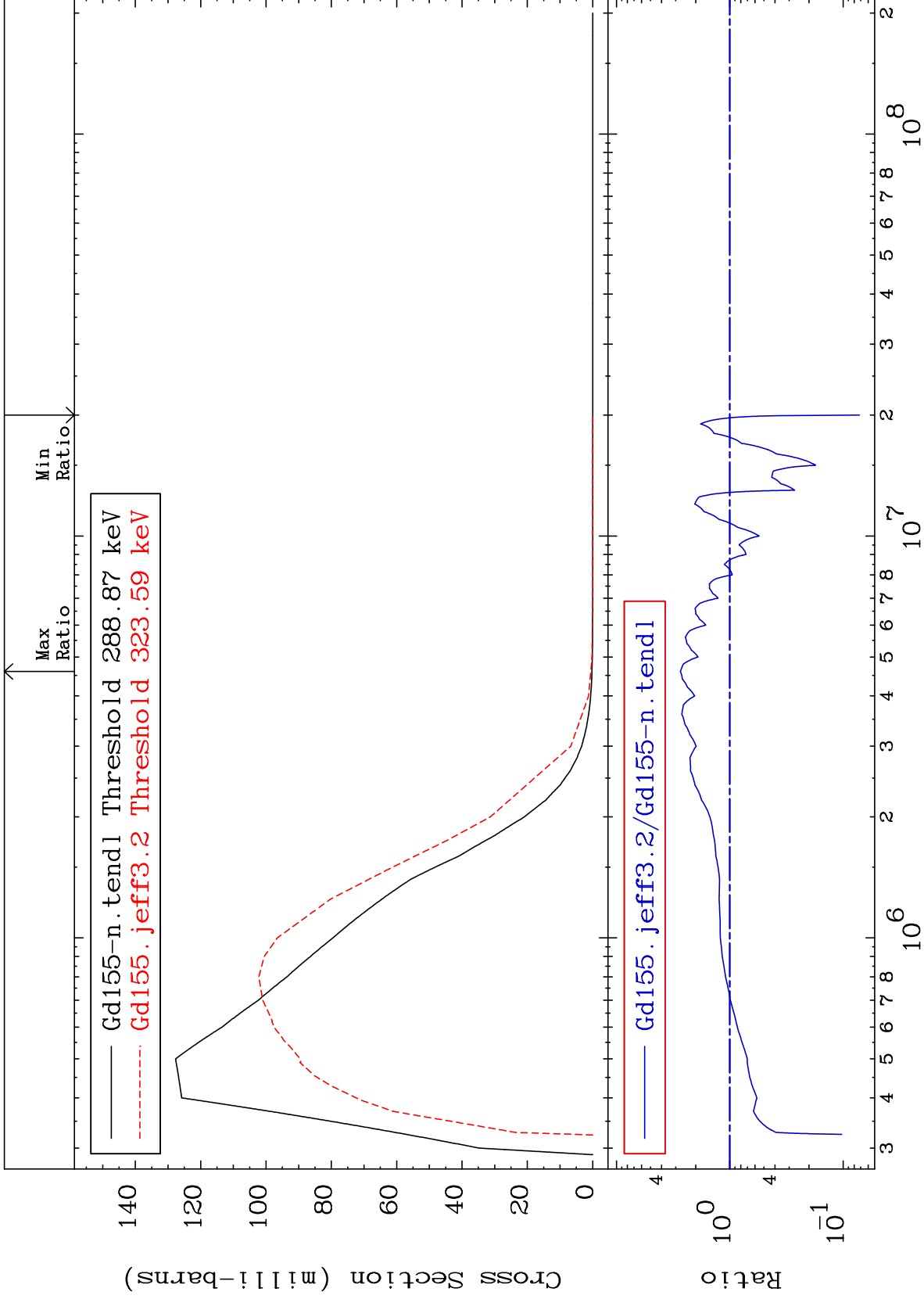
16

64-Gd-155

MAT 6434

287.0 keV (n,n') Level
Cross Section

64-Gd-155
-92.82 To 173.0 %



17

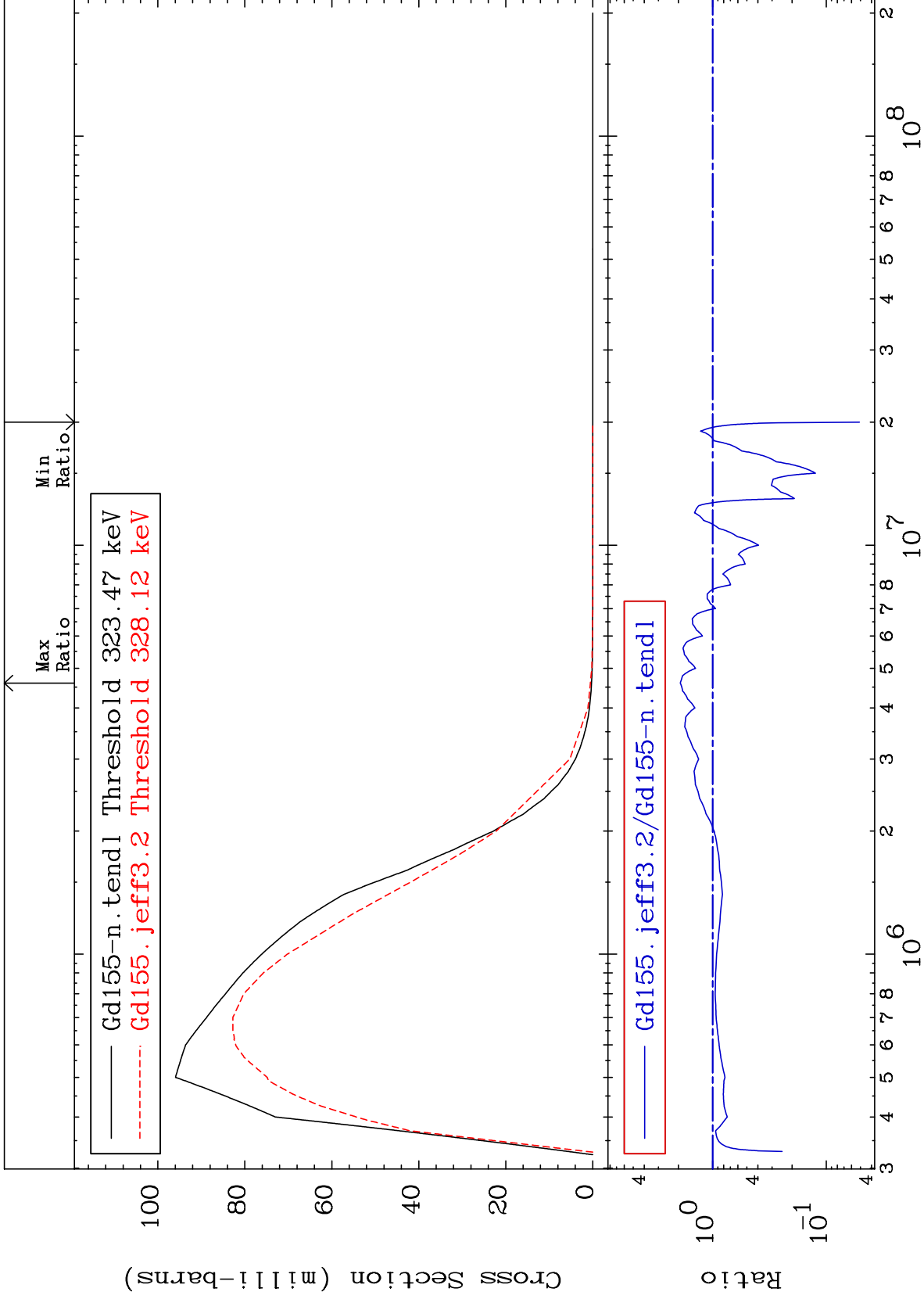
Incident Energy (eV)

64-Gd-155

MAT 6434

321.4 keV (n,n') Level
Cross Section

64-Gd-155
-94.89 To 92.36 %



18

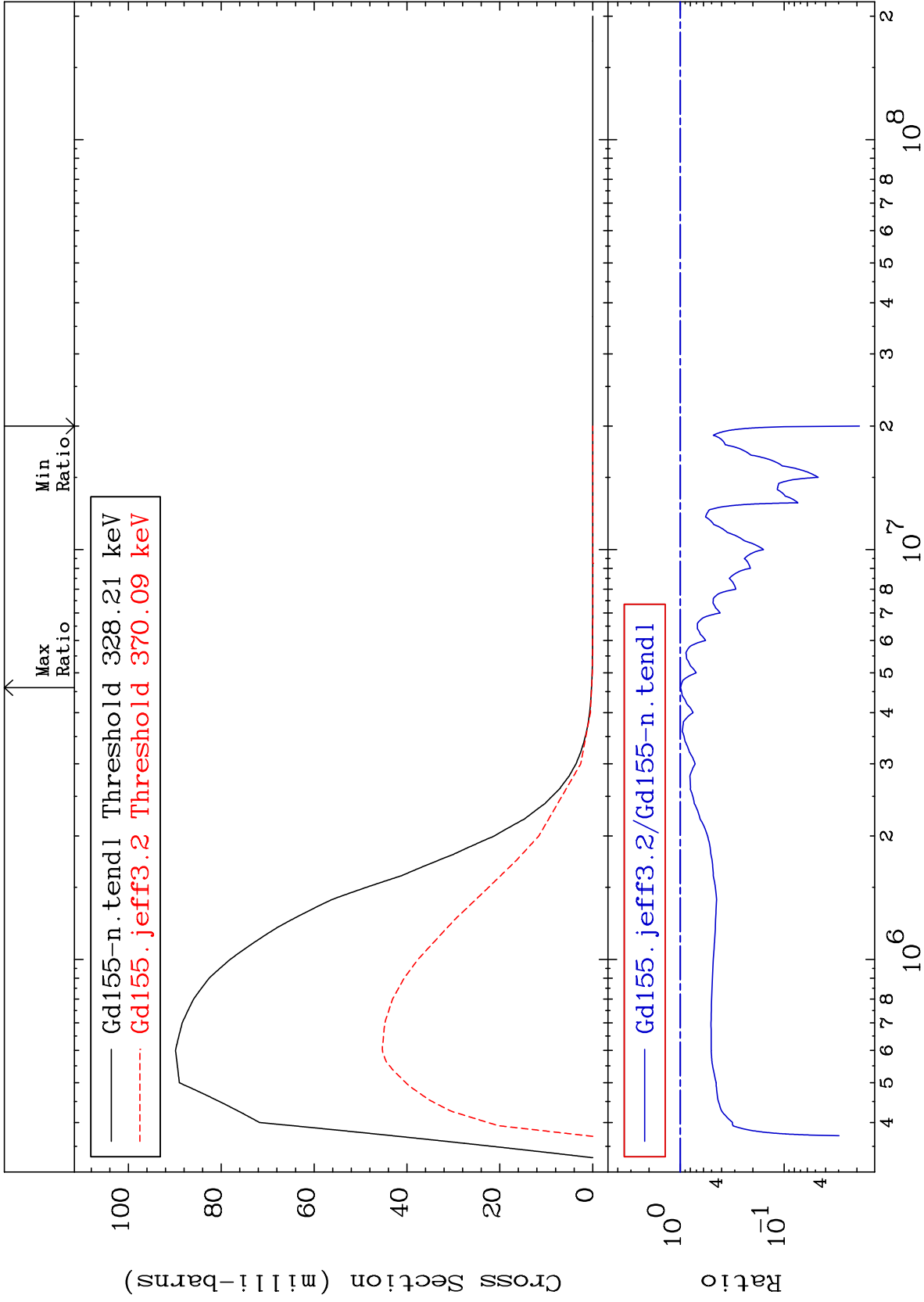
Incident Energy (eV)

64-Gd-155

MAT 6434

326.1 keV (n,n') Level
Cross Section

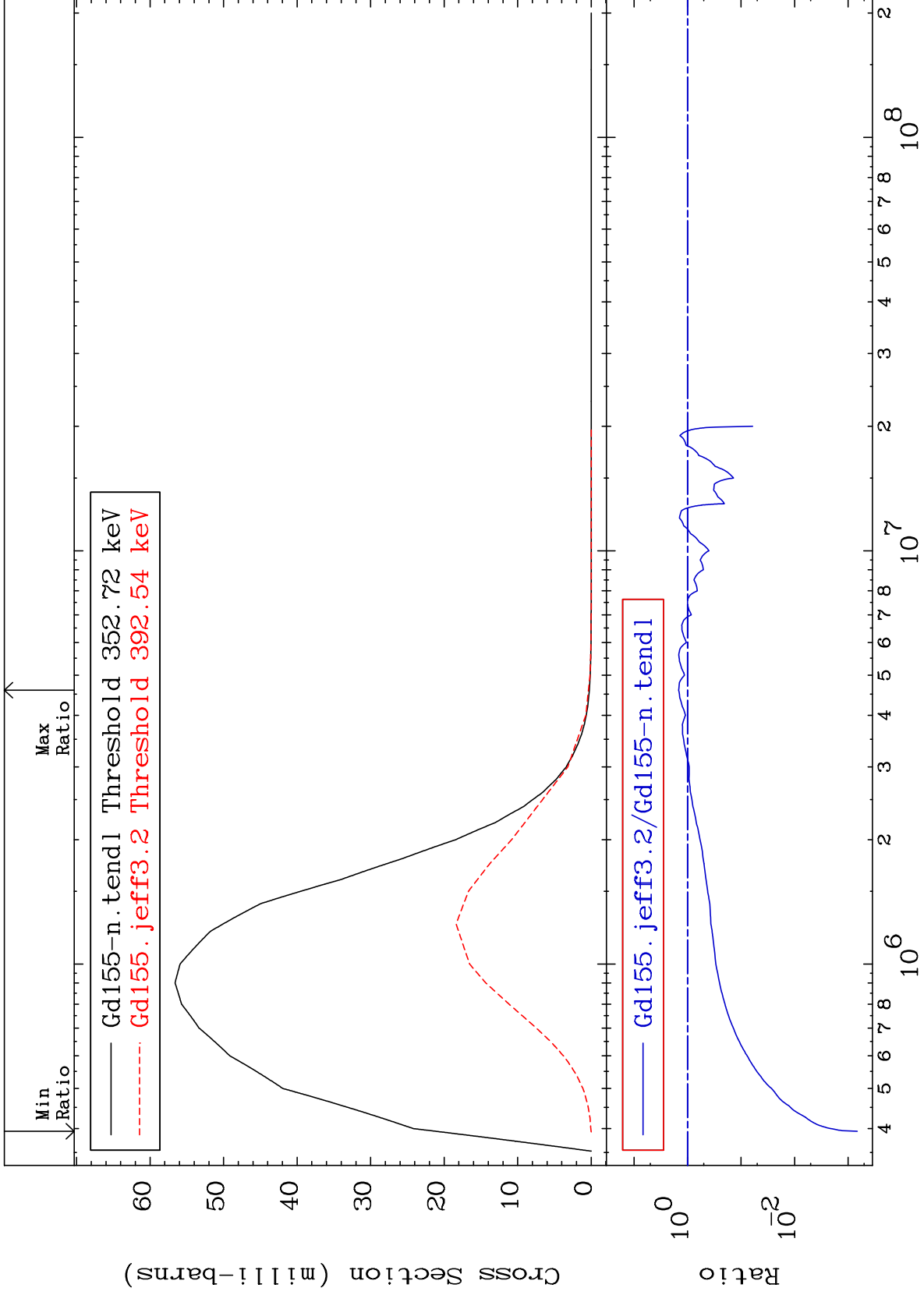
64-Gd-155
-98.11 To -0.006%



MAT 6434

350.4 keV (n,n') Level
Cross Section

64-Gd-155
-99.93 To 47.34 %



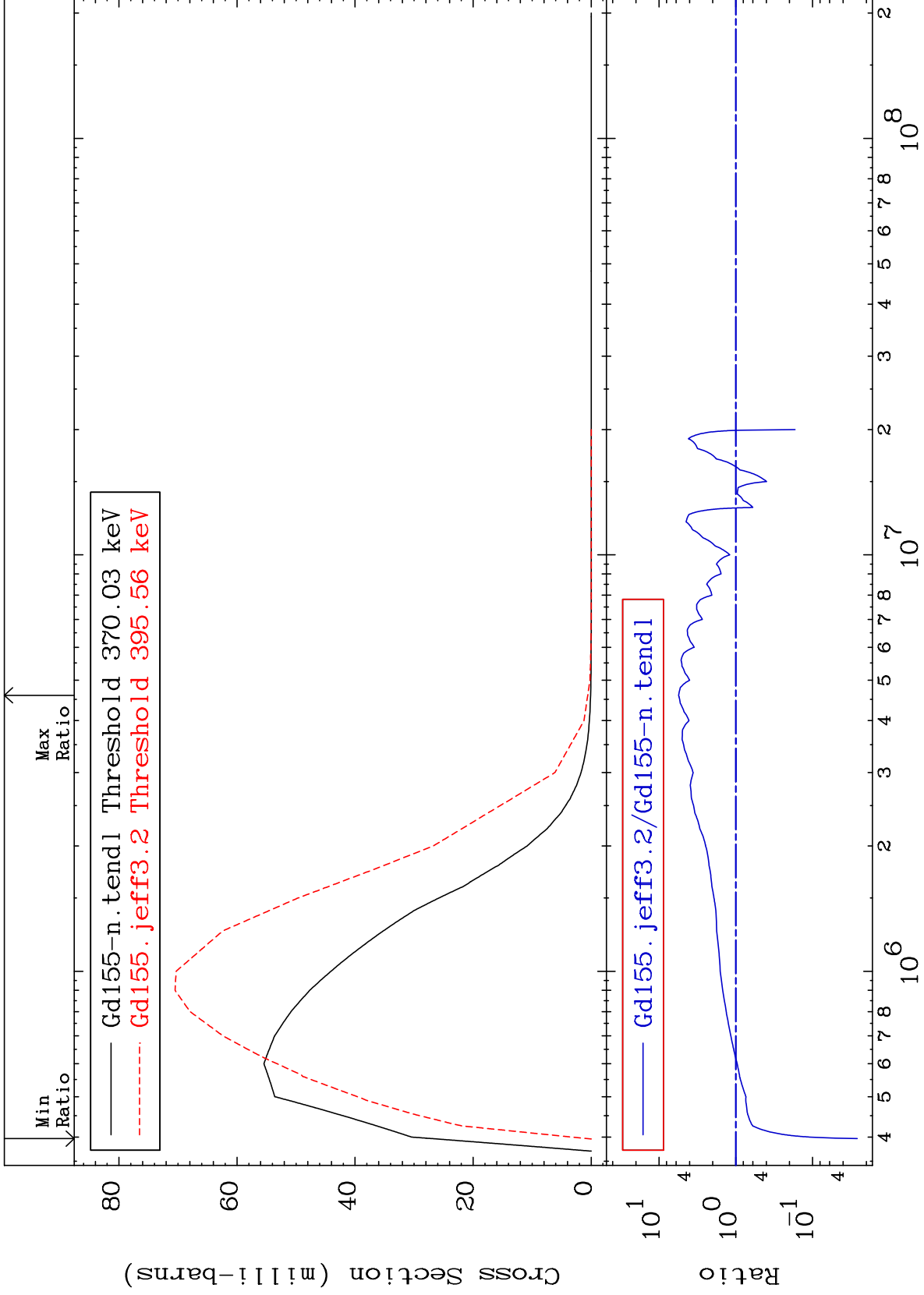
20

64-Gd-155

MAT 6434

367.6 keV (n,n') Level
Cross Section

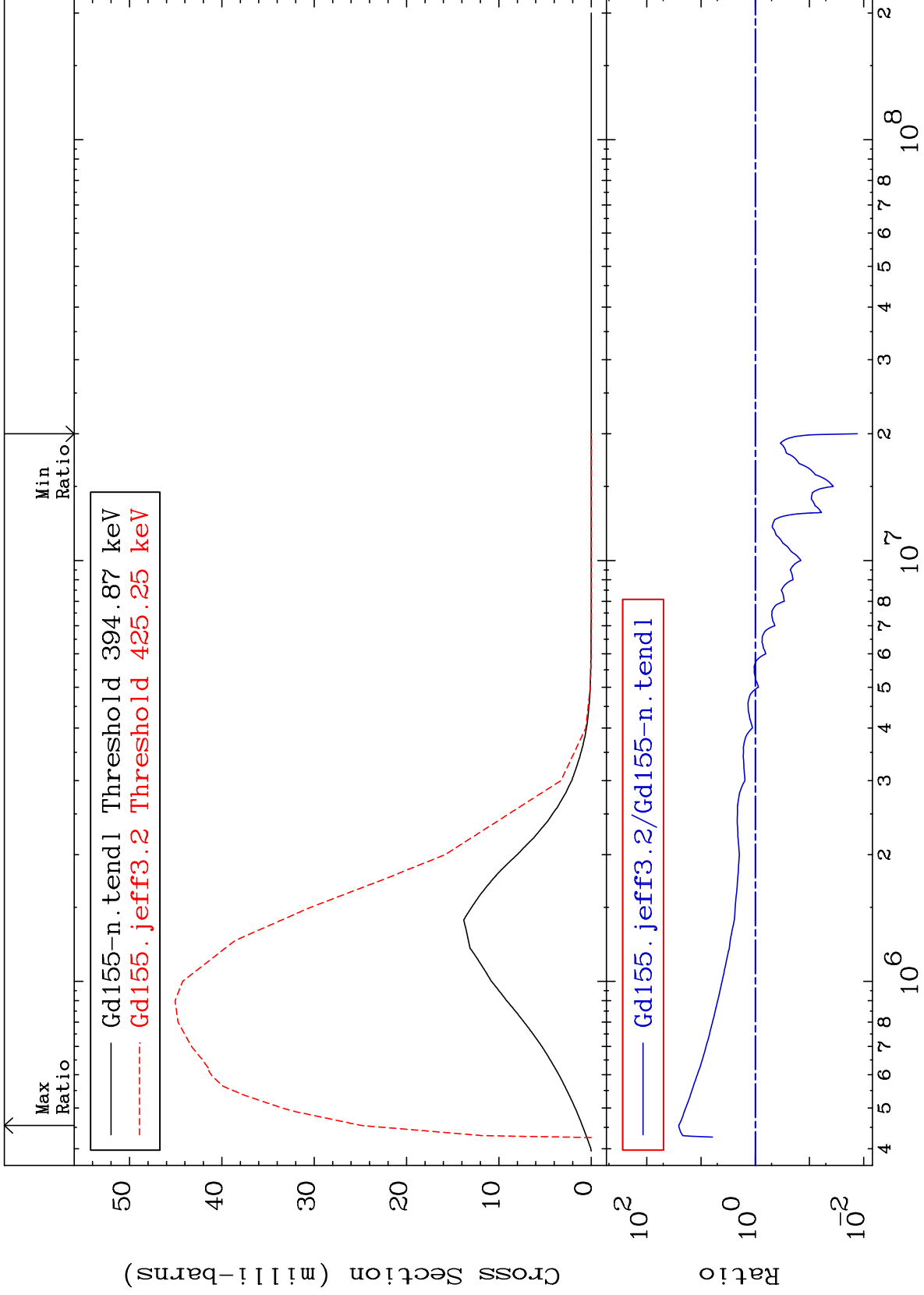
64-Gd-155
-97.37 To 454.8 %



MAT 6434

392.3 keV (n,n') Level
Cross Section

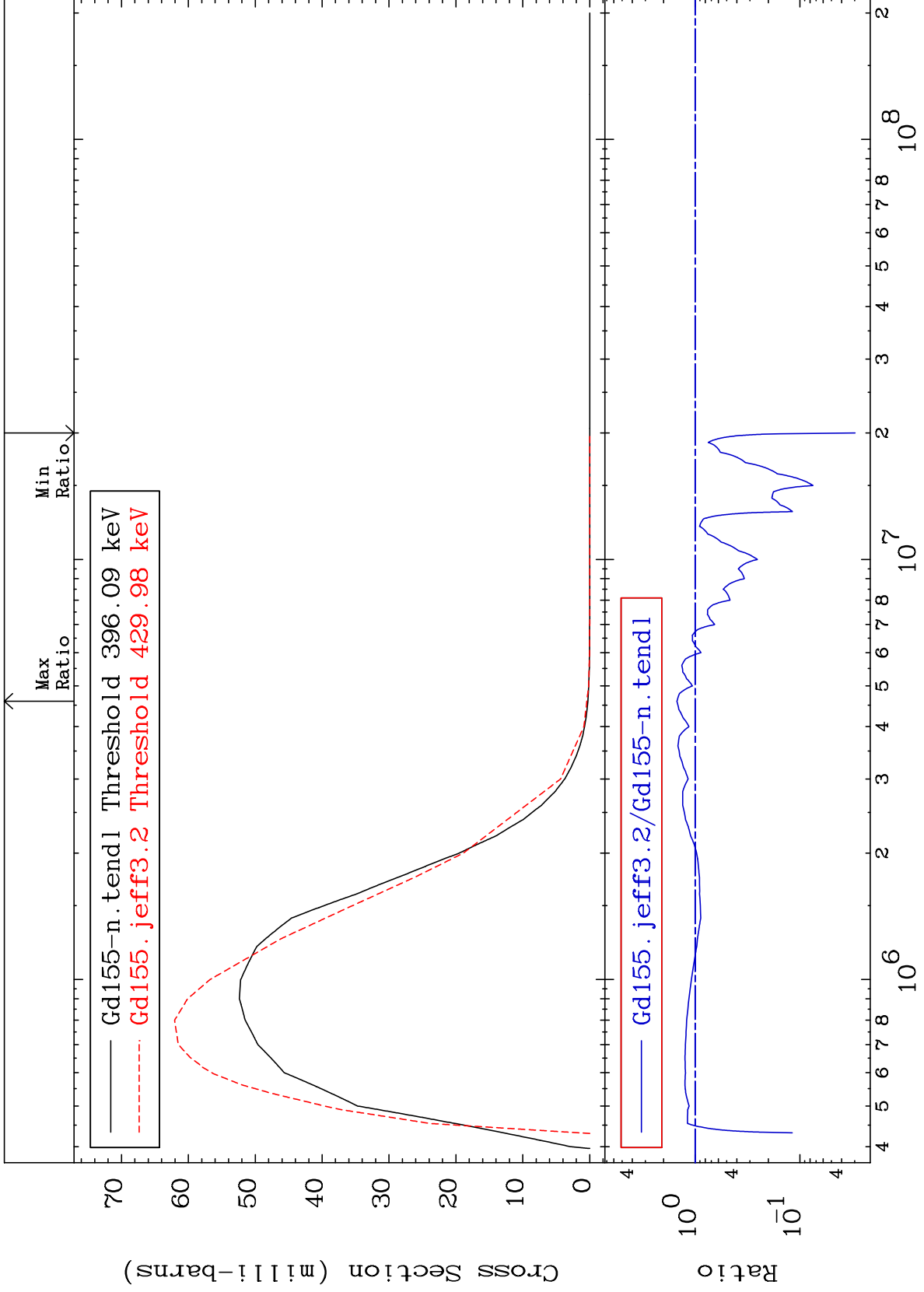
64-Gd-155
-98.69 To 2492. %



MAT 6434

393.5 keV (n,n') Level
Cross Section

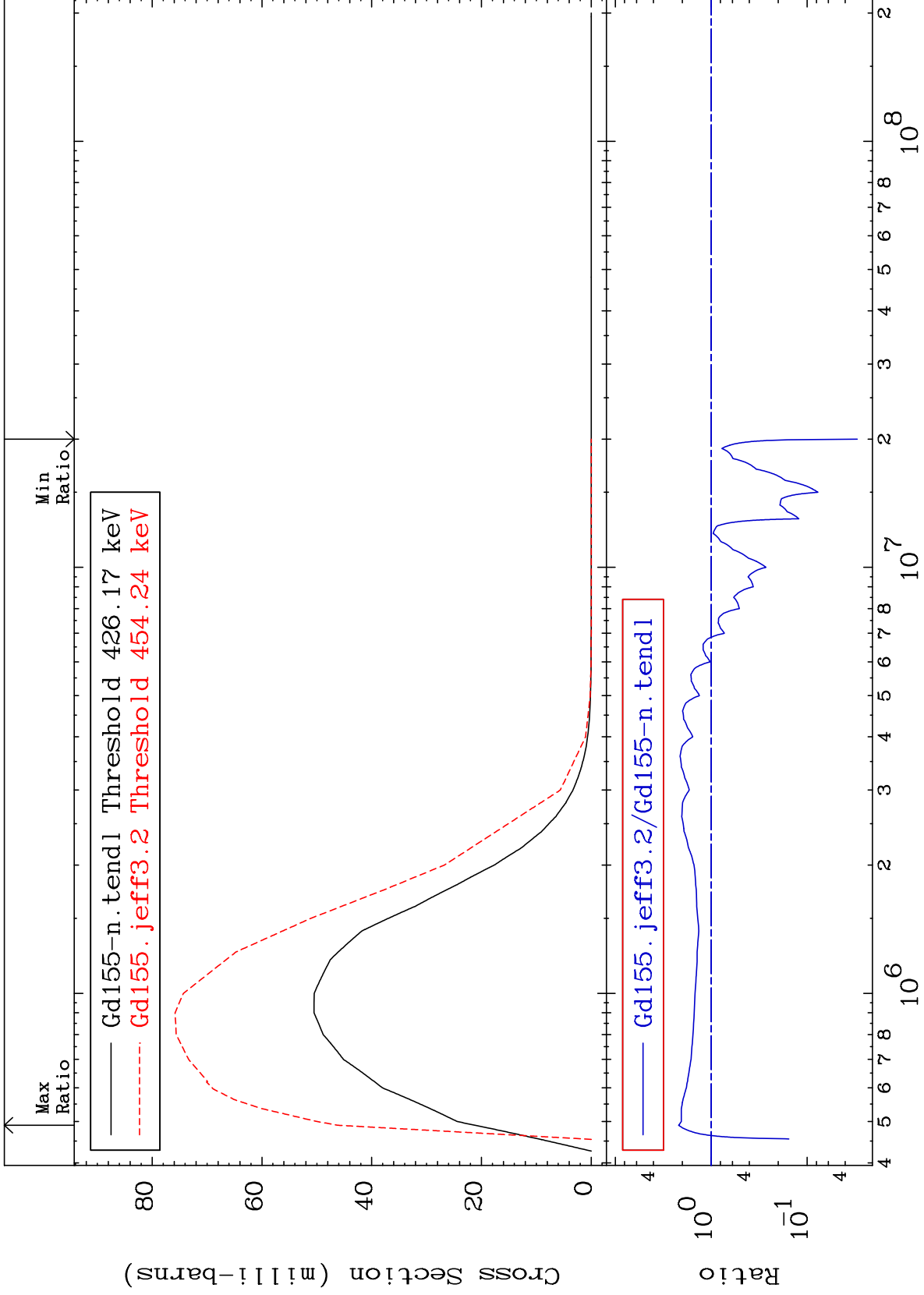
64-Gd-155
-97.03 To 49.47 %



MAT 6434

423.4 keV (n,n') Level
Cross Section

64-Gd-155
-97.00 To 118.5 %



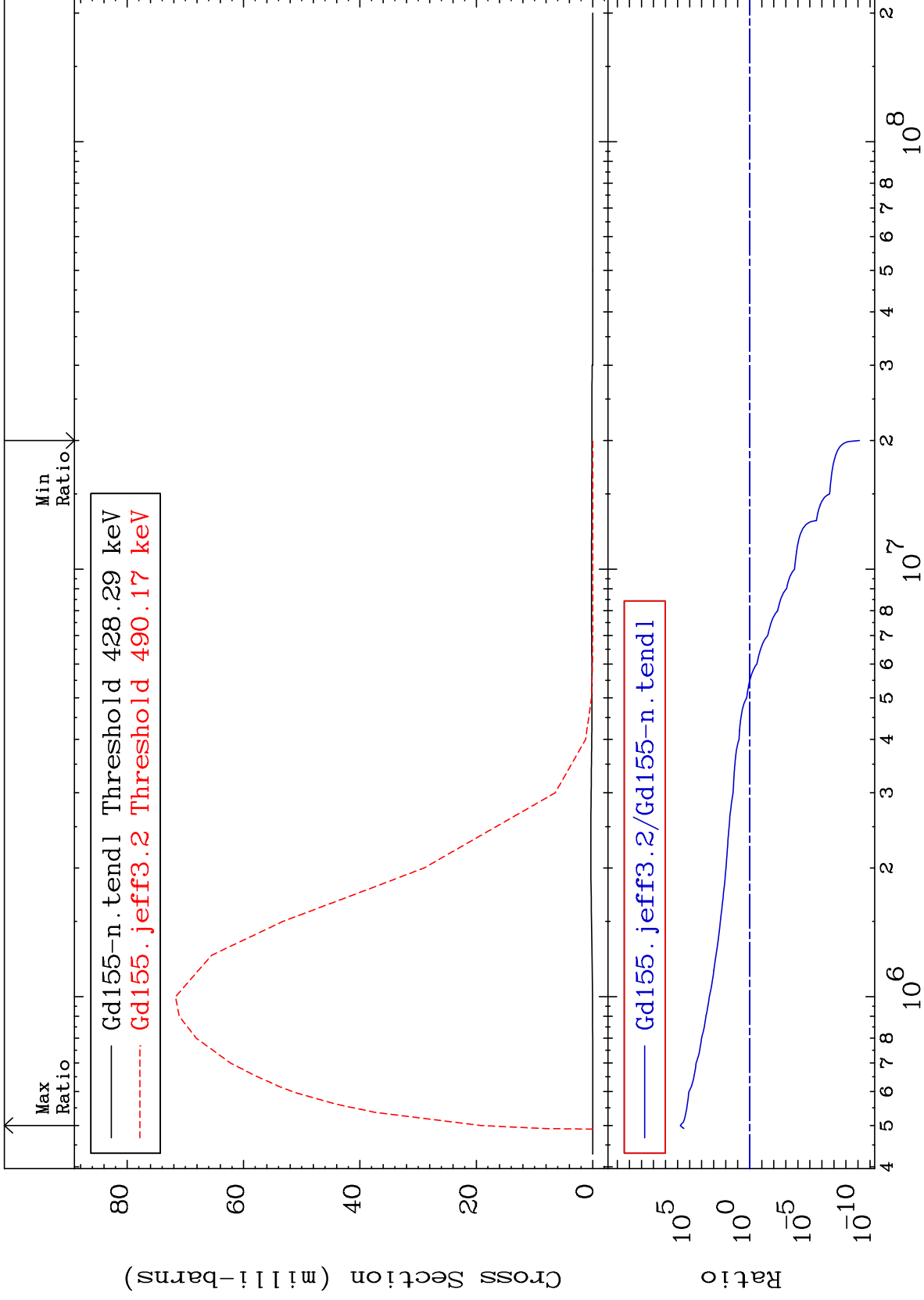
24

64-Gd-155

MAT 6434

425.5 keV (n,n') Level
Cross Section

64-Gd-155
-100.0 To 9999. %



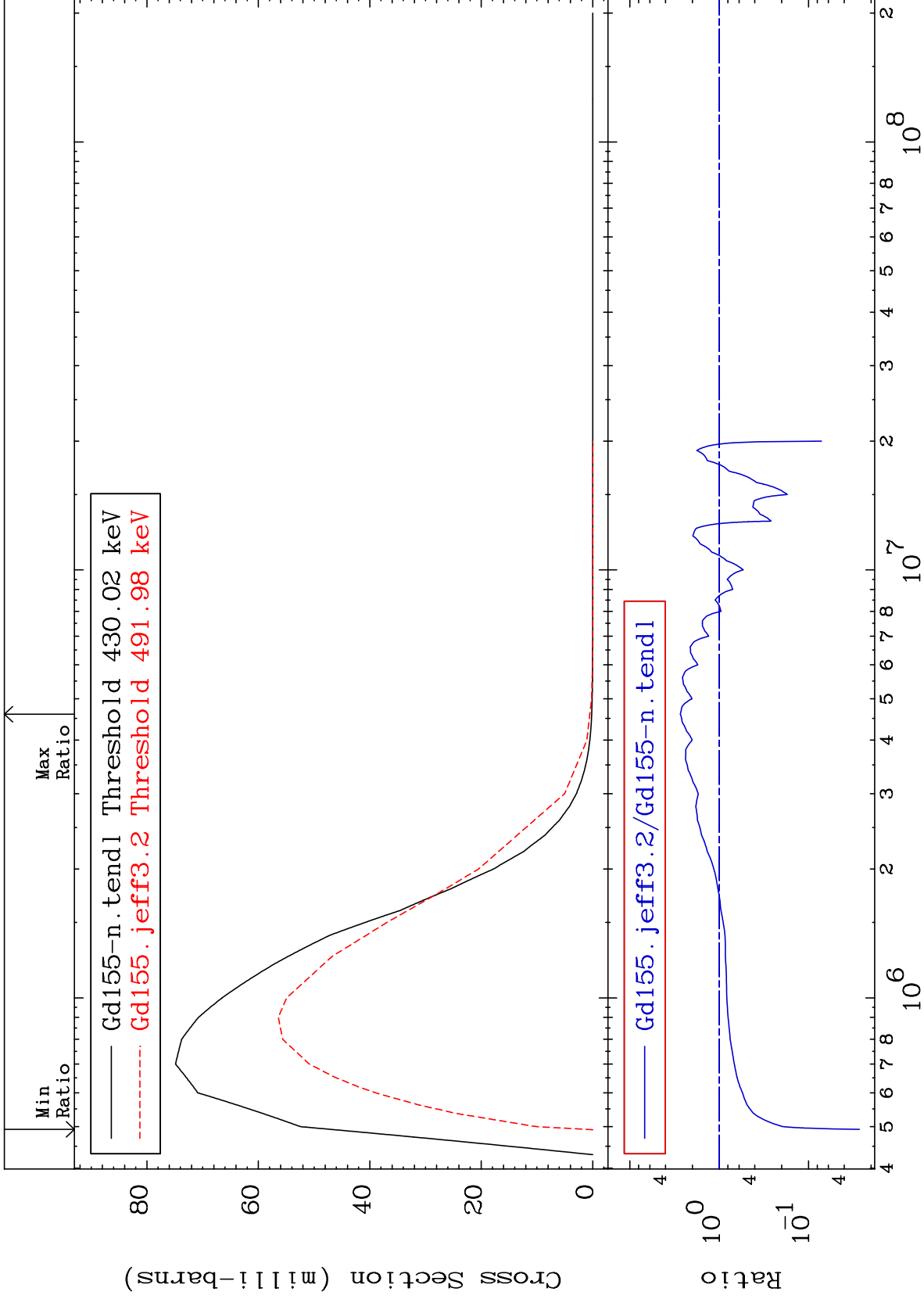
25

64-Gd-155

MAT 6434

427.2 keV (n,n') Level
Cross Section

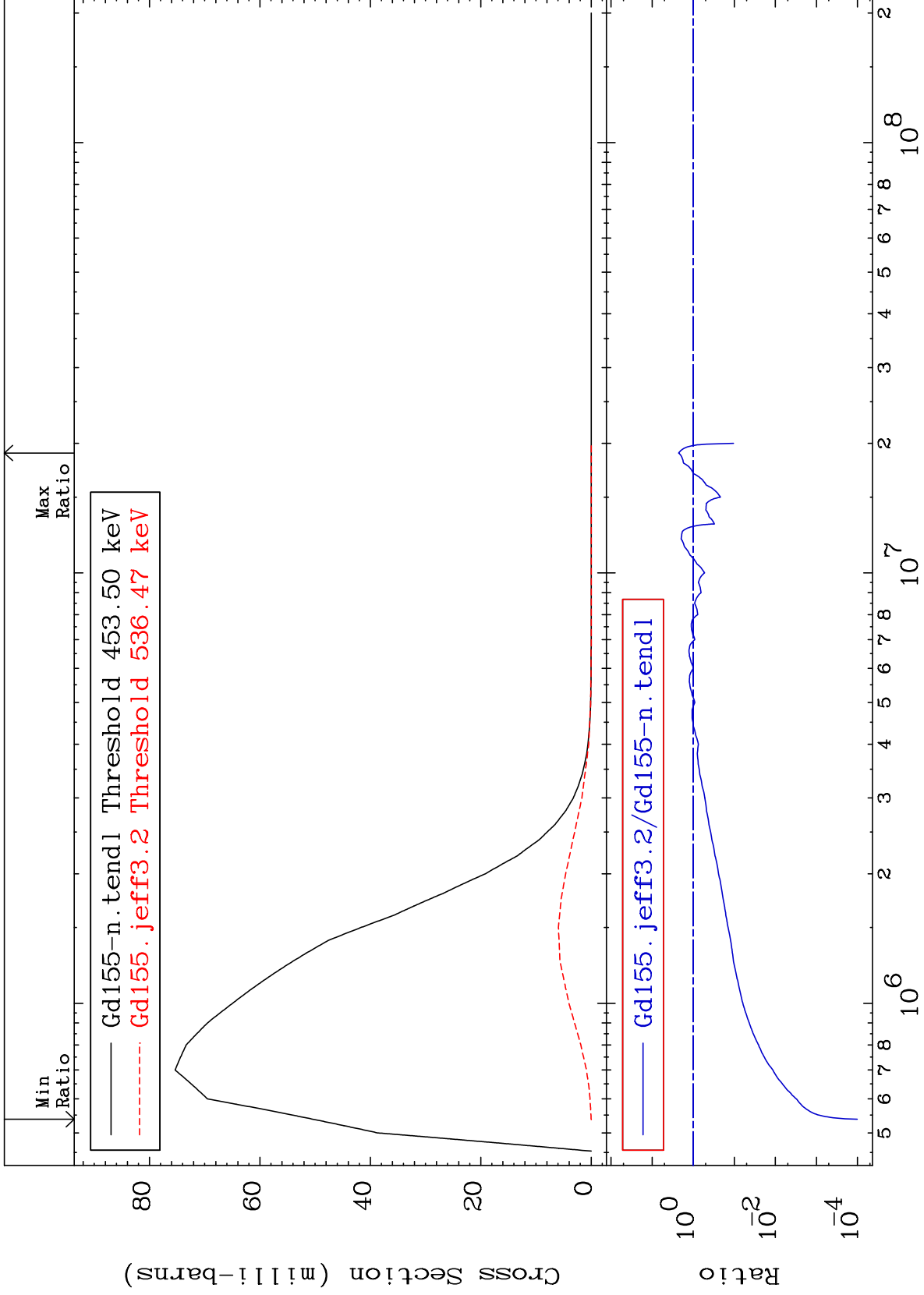
64-Gd-155
-97.30 To 172.7 %



MAT 6434

450.6 keV (n,n') Level
Cross Section

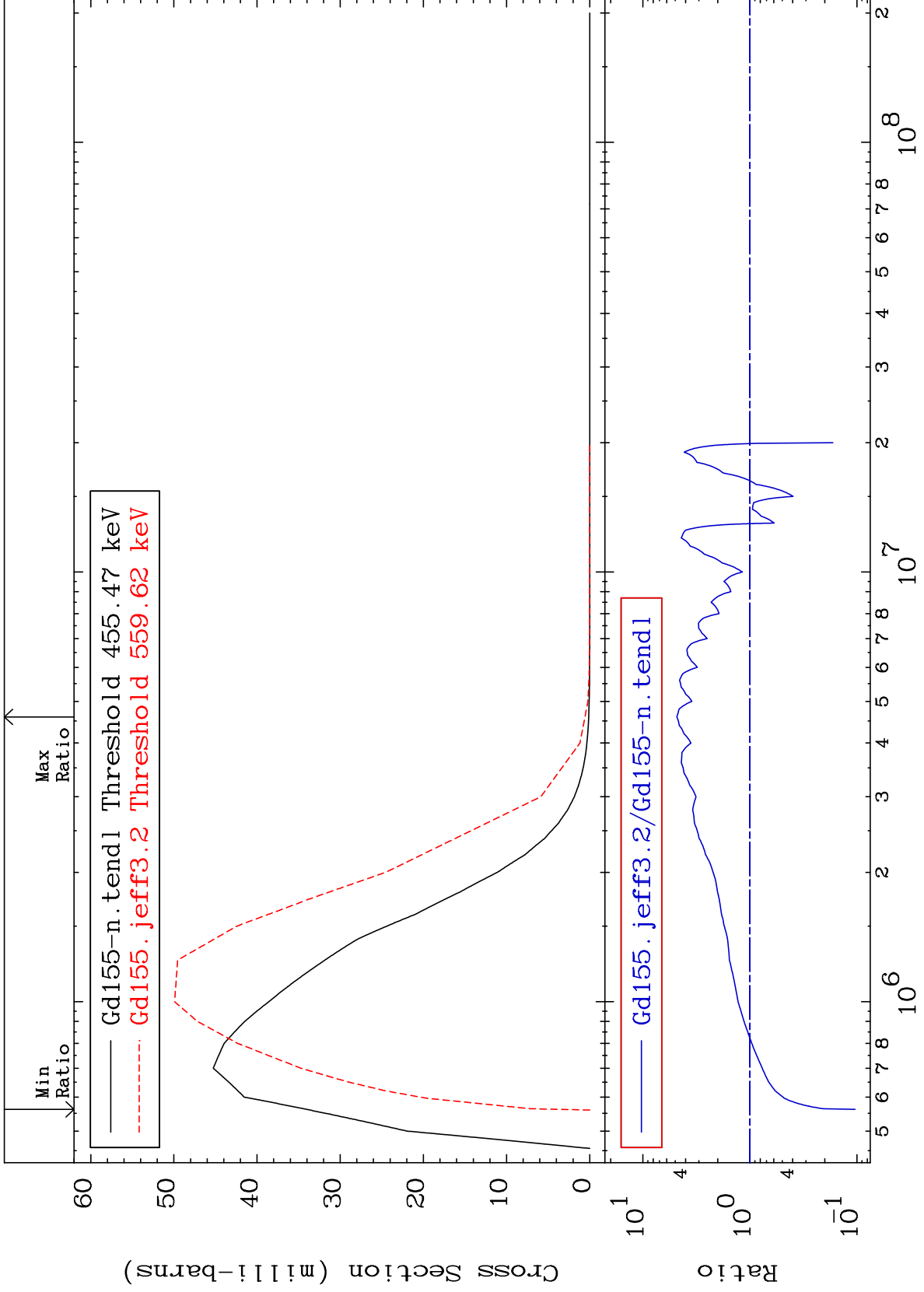
64-Gd-155
-99.99 To 126.2 %



MAT 6434

452.5 keV (n,n') Level
Cross Section

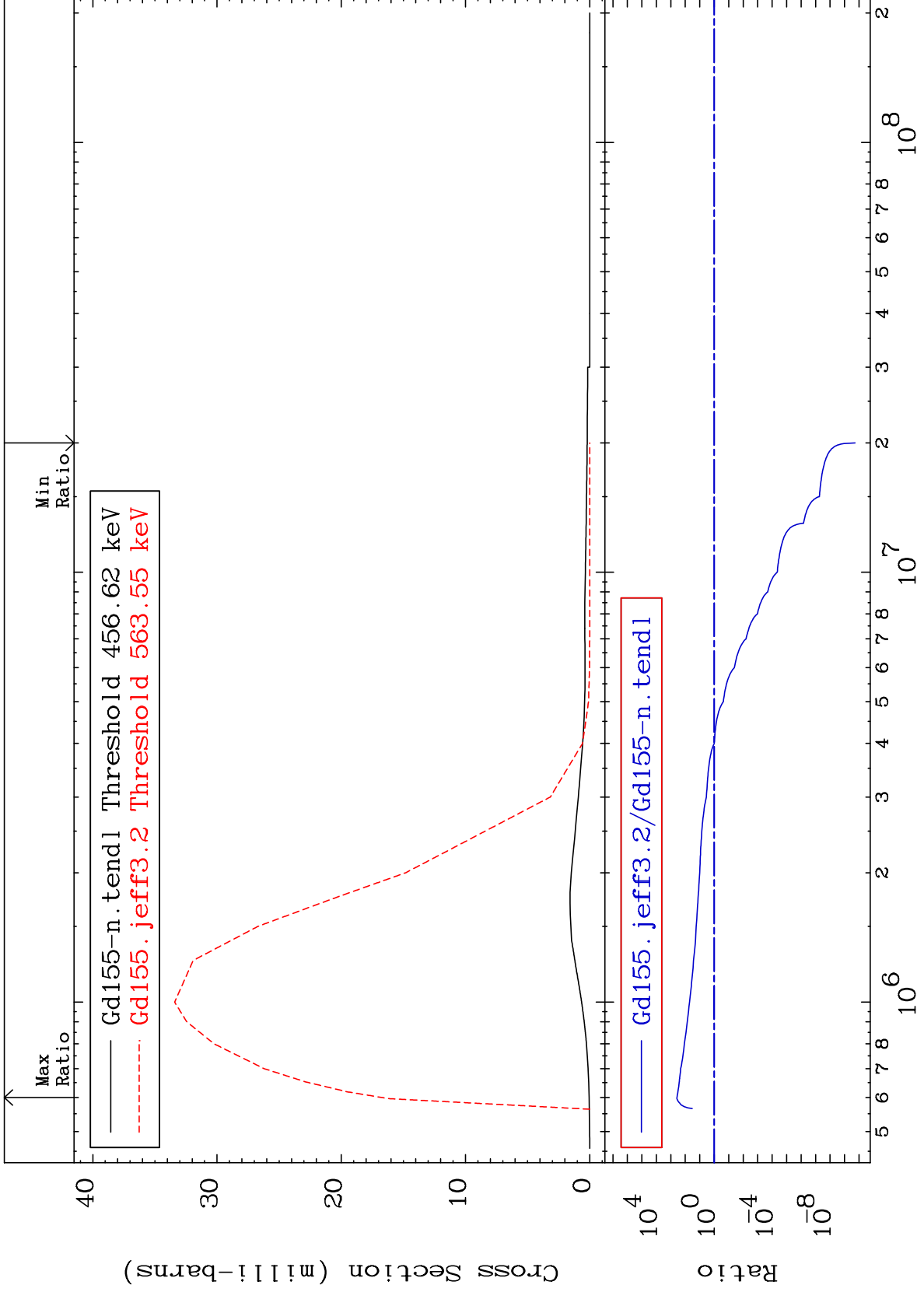
64-Gd-155
-89.57 To 381.4 %



MAT 6434

453.7 keV (n,n') Level
Cross Section

64-Gd-155
-100.0 To 9999. %



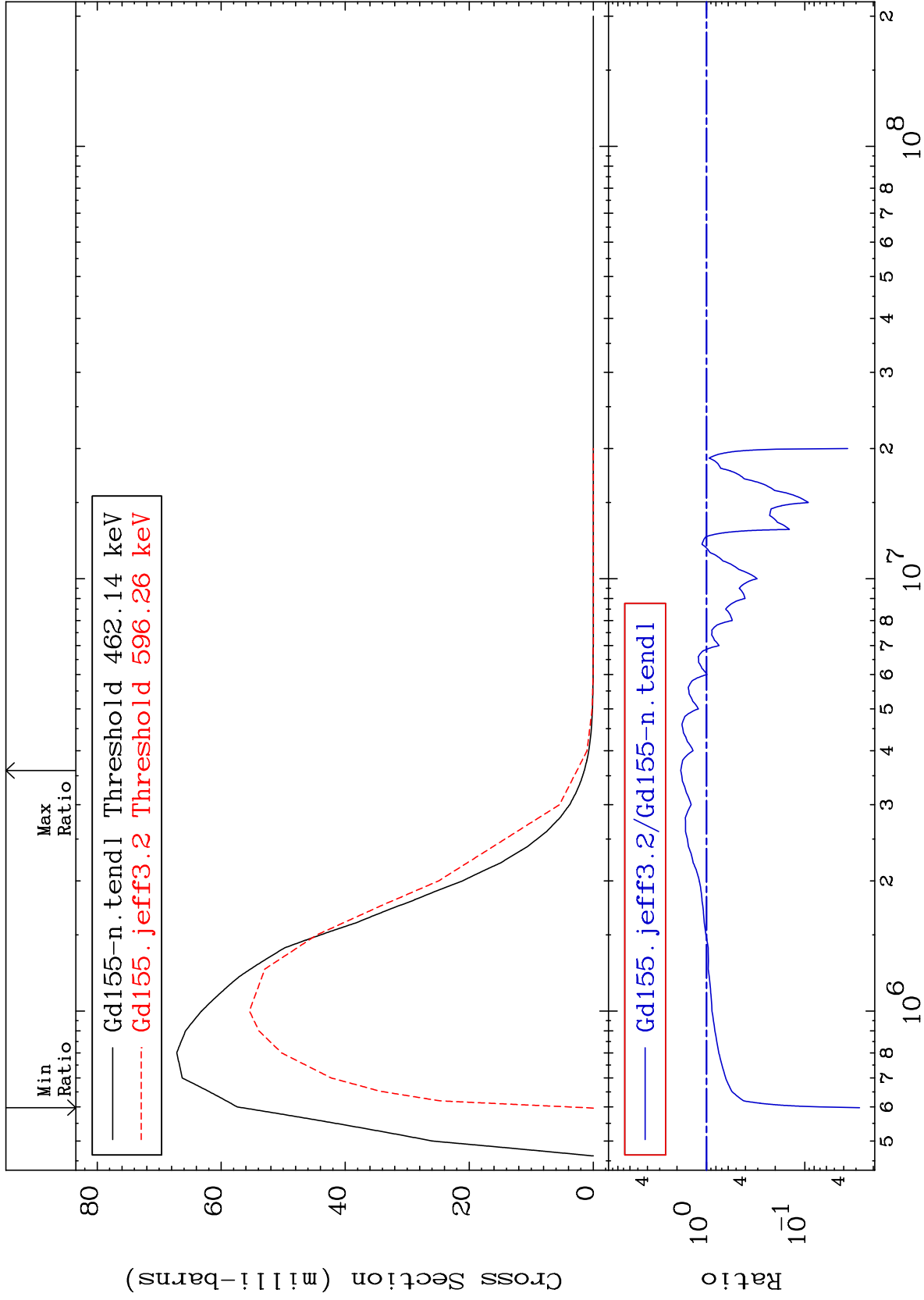
MAT 6434

459.2 keV (n,n') Level

64-Gd-155

Cross Section

-97.23 To 82.65 %



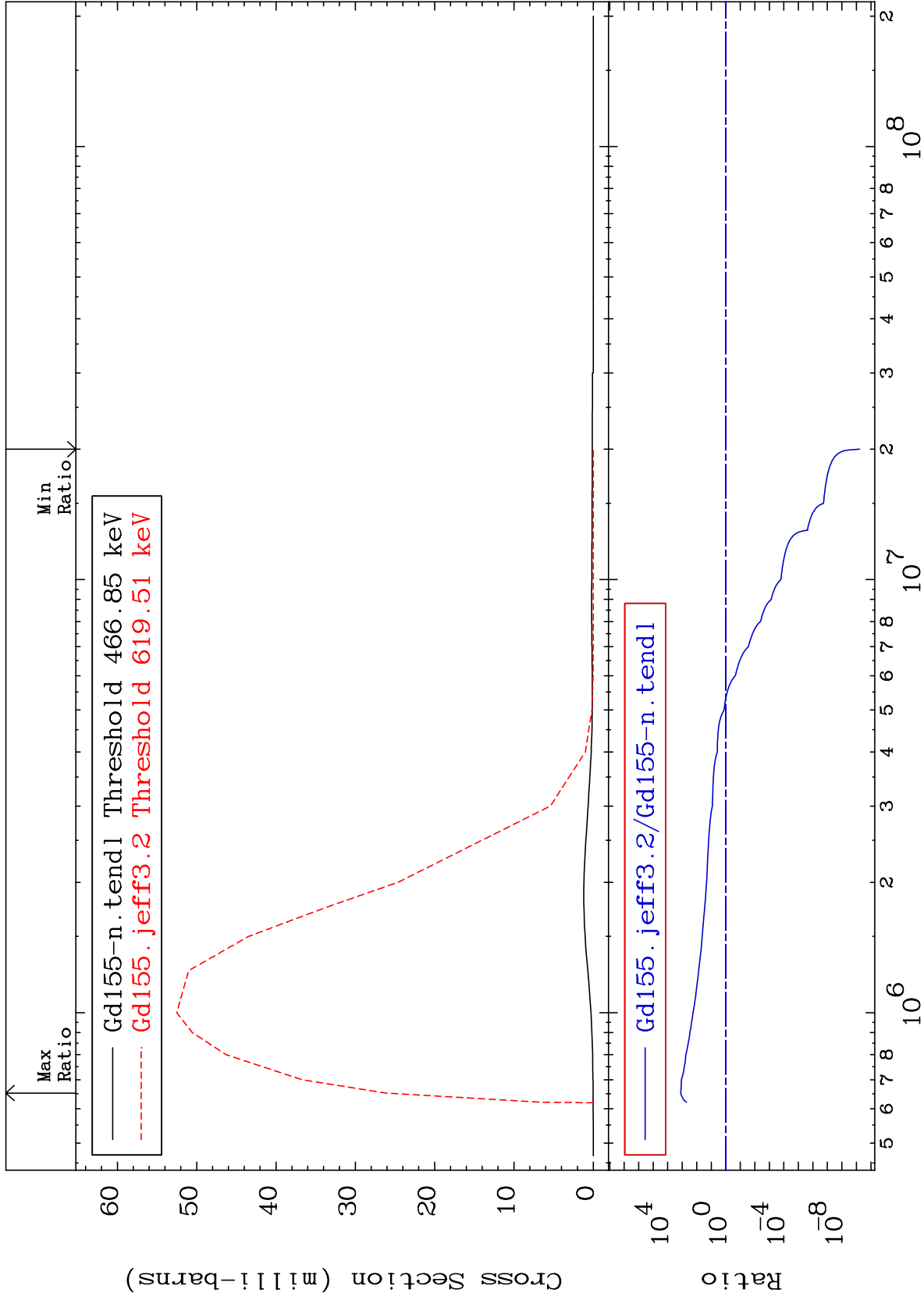
MAT 6434

463.8 keV (n,n') Level

64-Gd-155

-100.0 To 9999. %

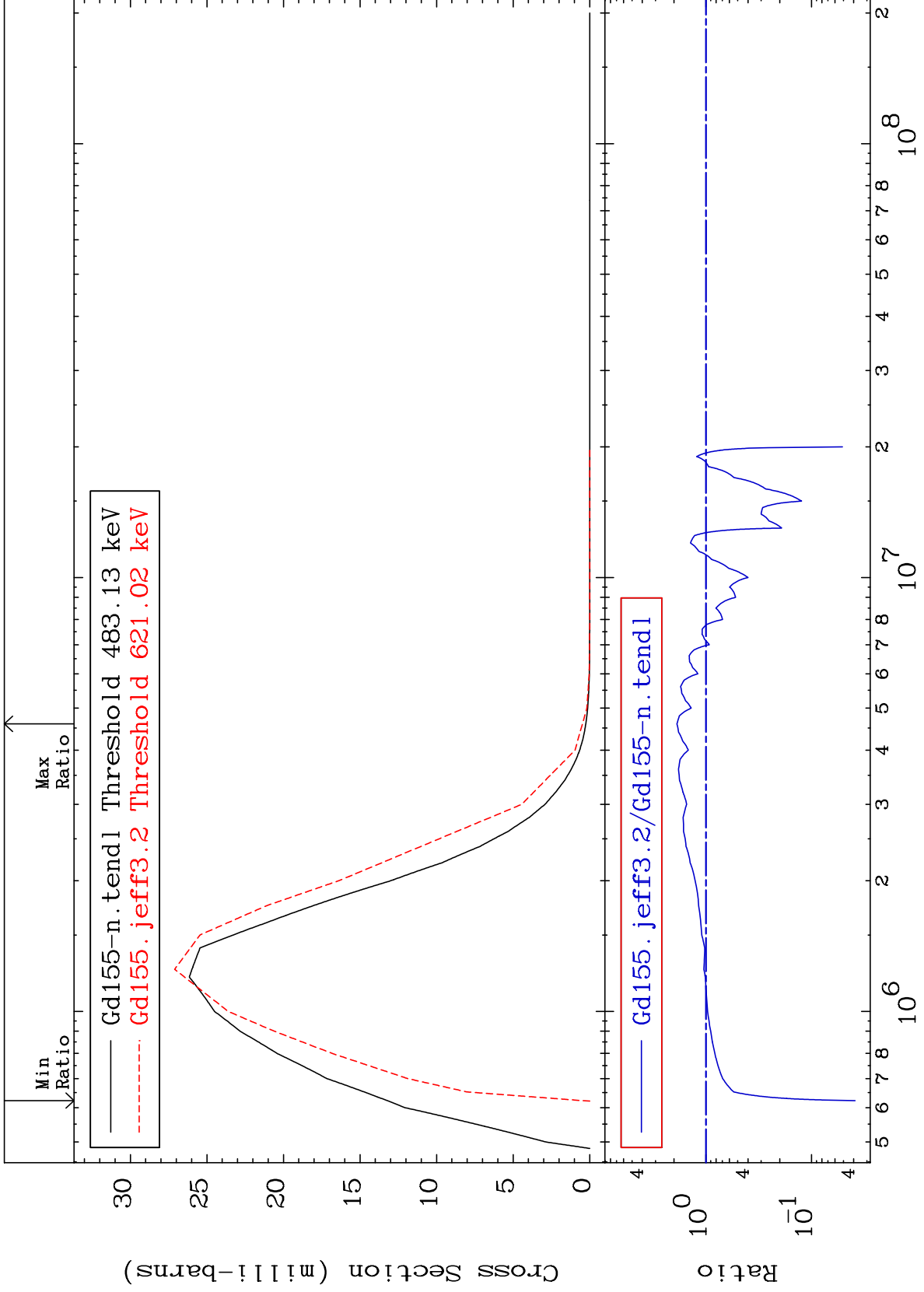
Cross Section



MAT 6434

480.0 keV (n,n') Level
Cross Section

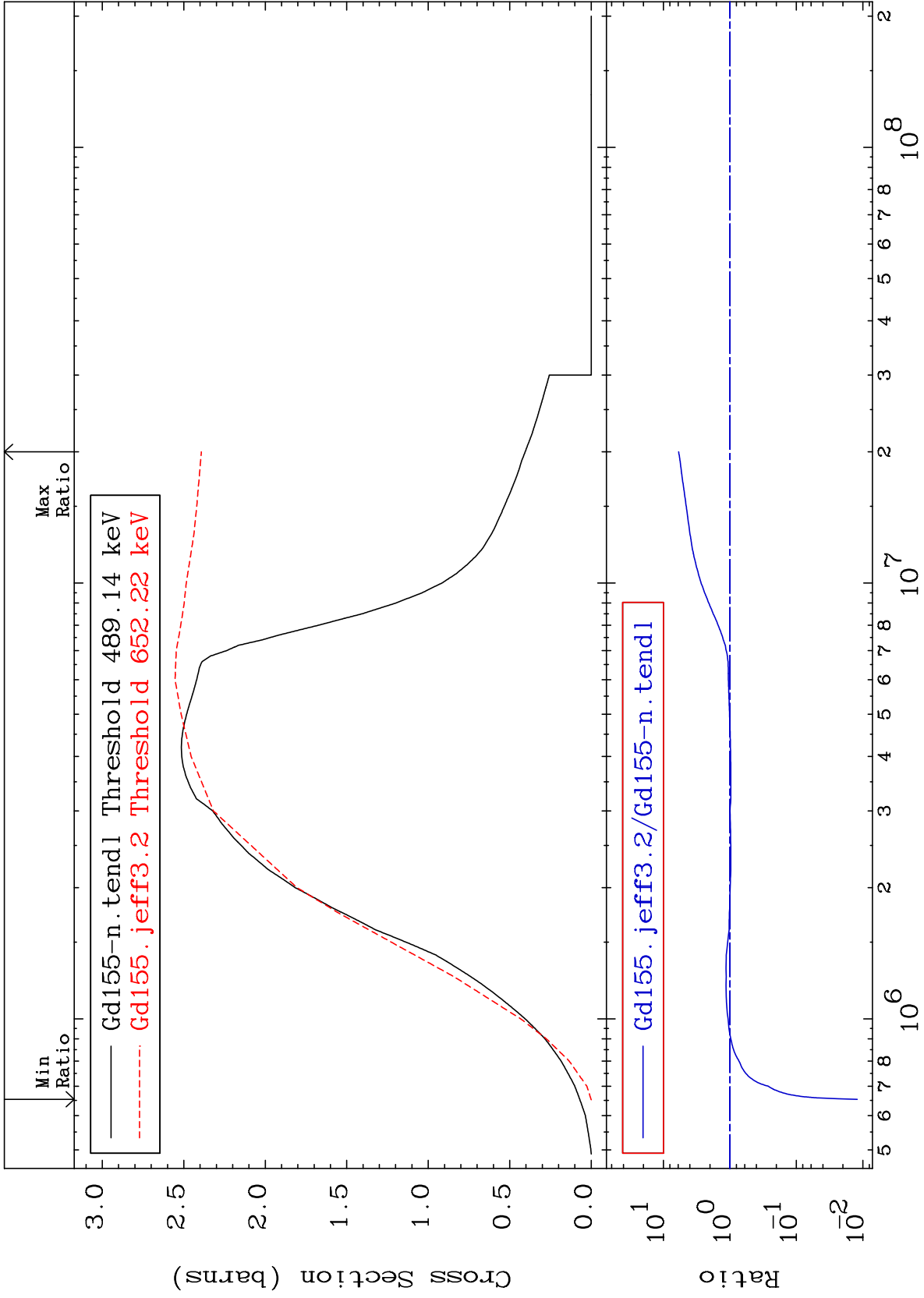
64-Gd-155
-96.12 To 87.87 %



MAT 6434

(n, n') Continuum
Cross Section

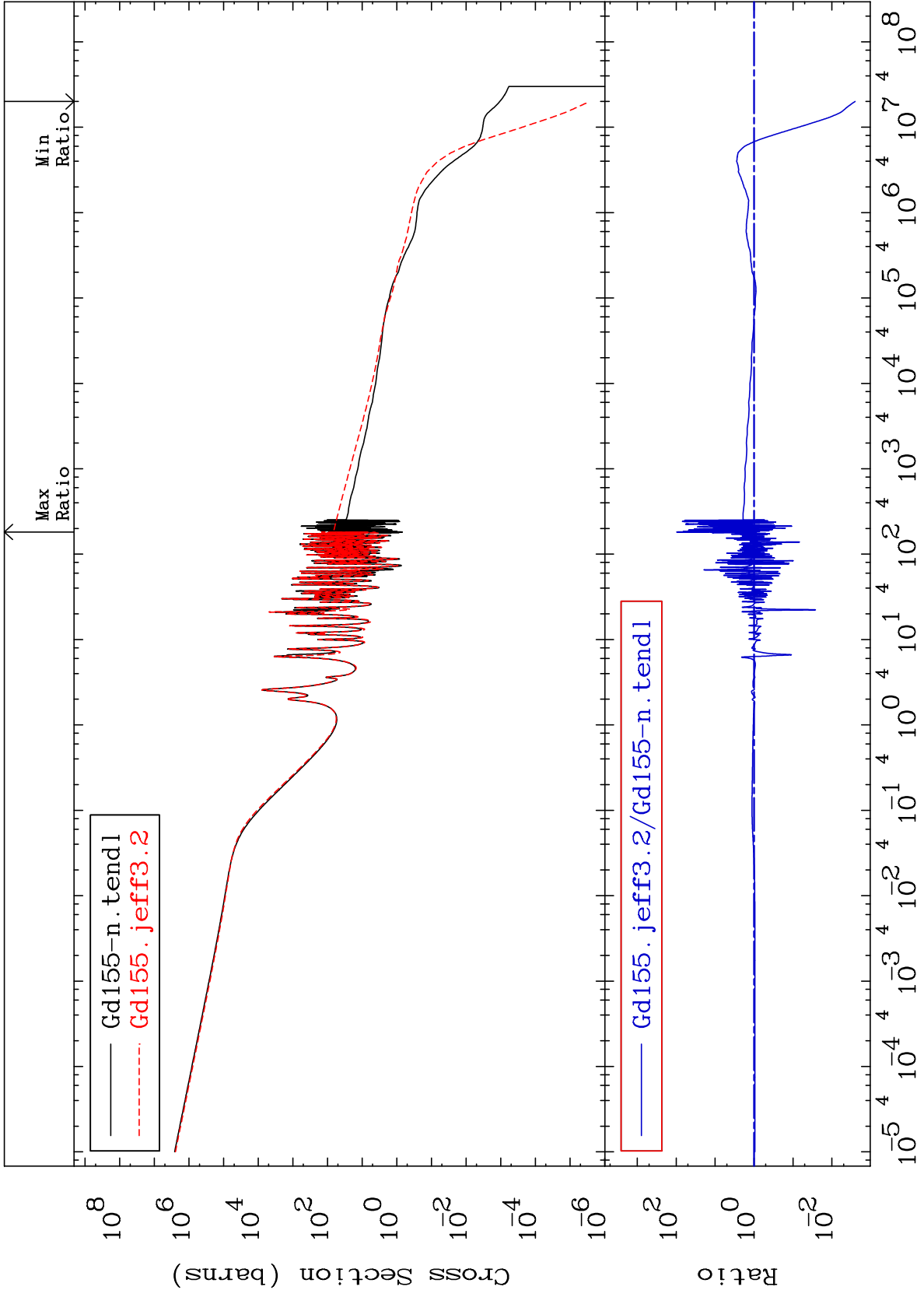
64-Gd-155
-98.78 To 490.4 %



MAT 6434

(n, γ)
Cross Section

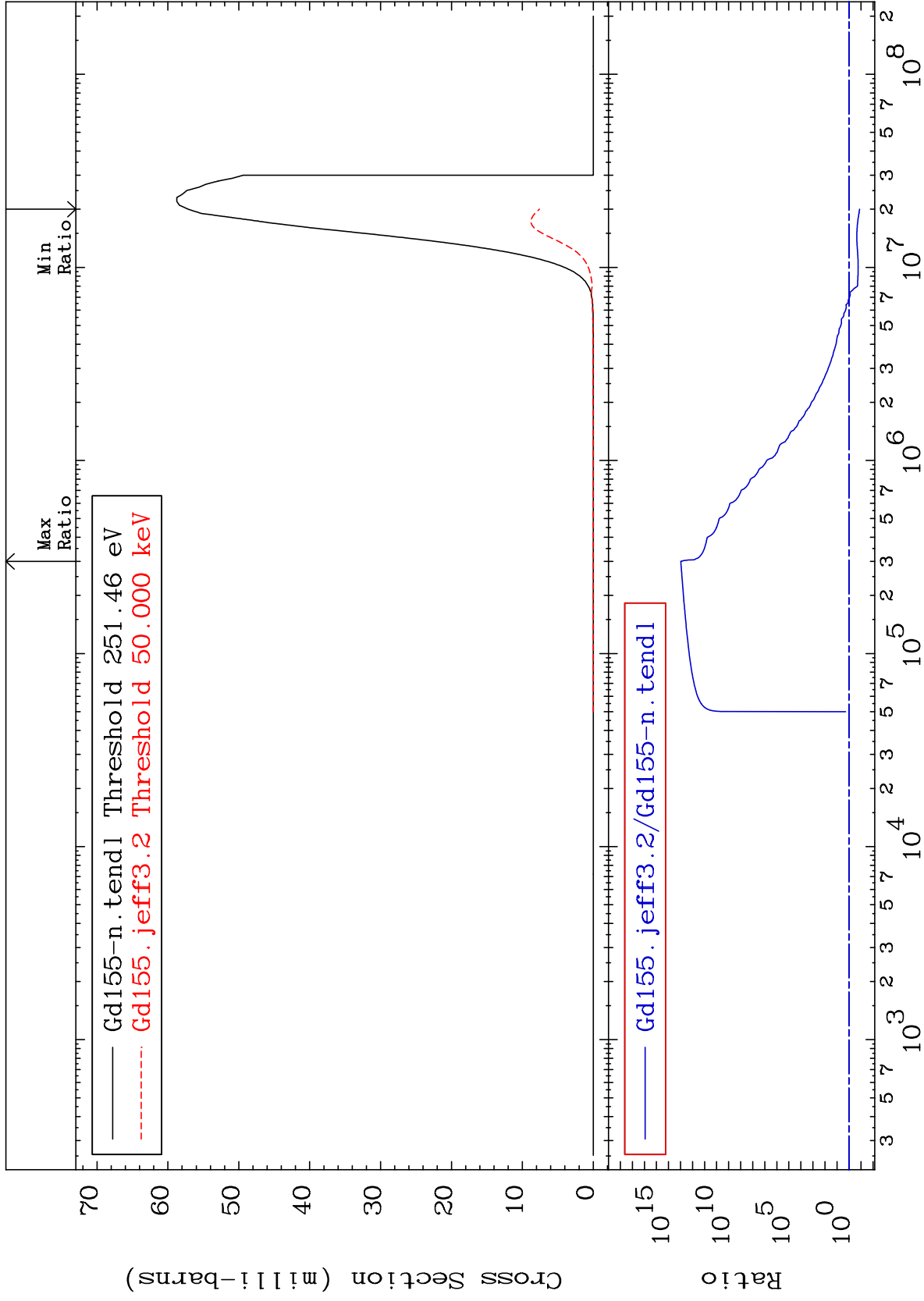
64-Gd-155
-99.75 To 9491. %



MAT 6434

(n,p)
Cross Section

64-Gd-155
-86.70 To 9999. %



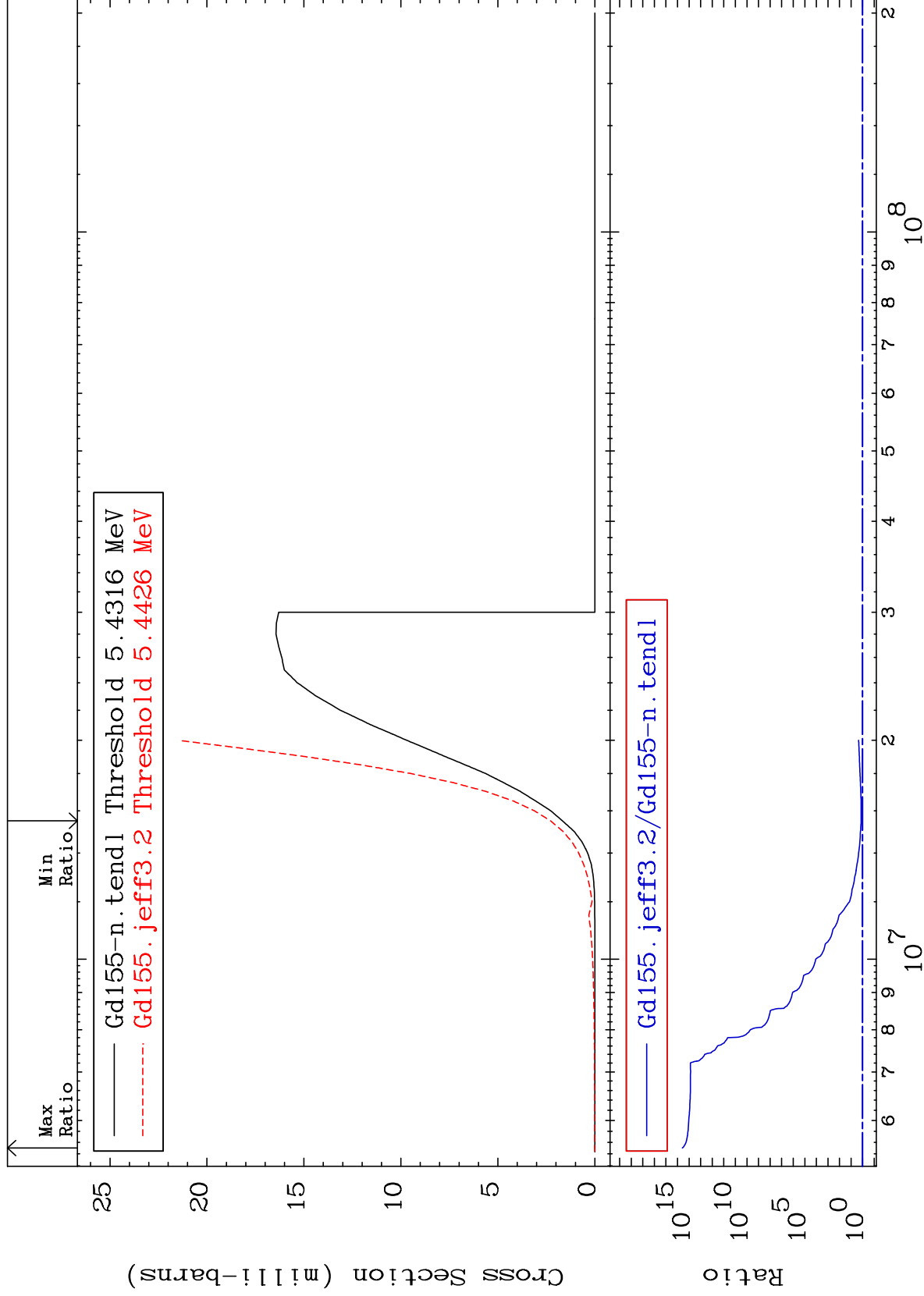
MAT 6434

(n, d)

64-Gd-155

Cross Section

36.31 To 9999. %



36

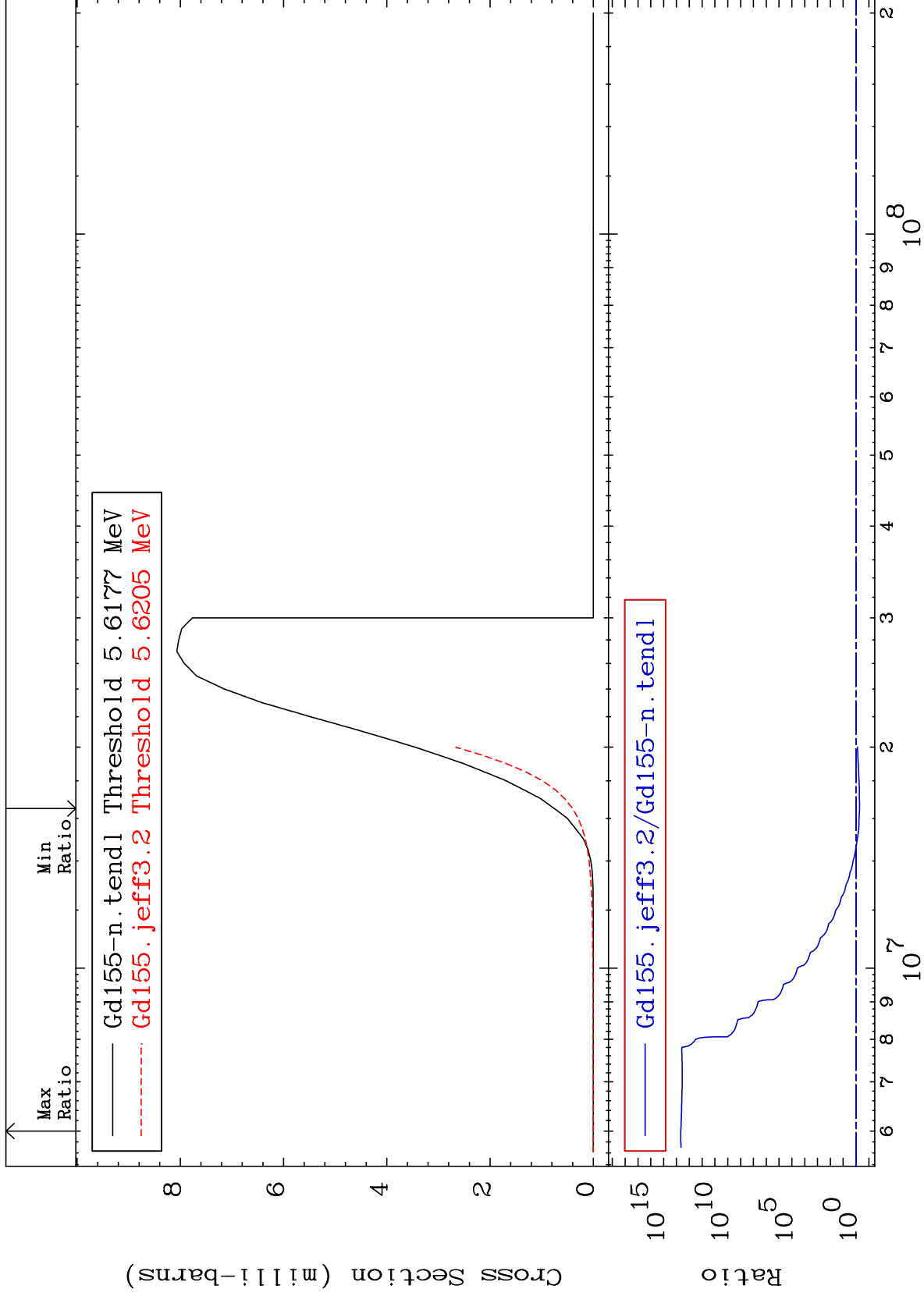
Incident Energy (eV)

64-Gd-155

MAT 6434

(n, t)
Cross Section

64-Gd-155
-46.94 To 9999. %



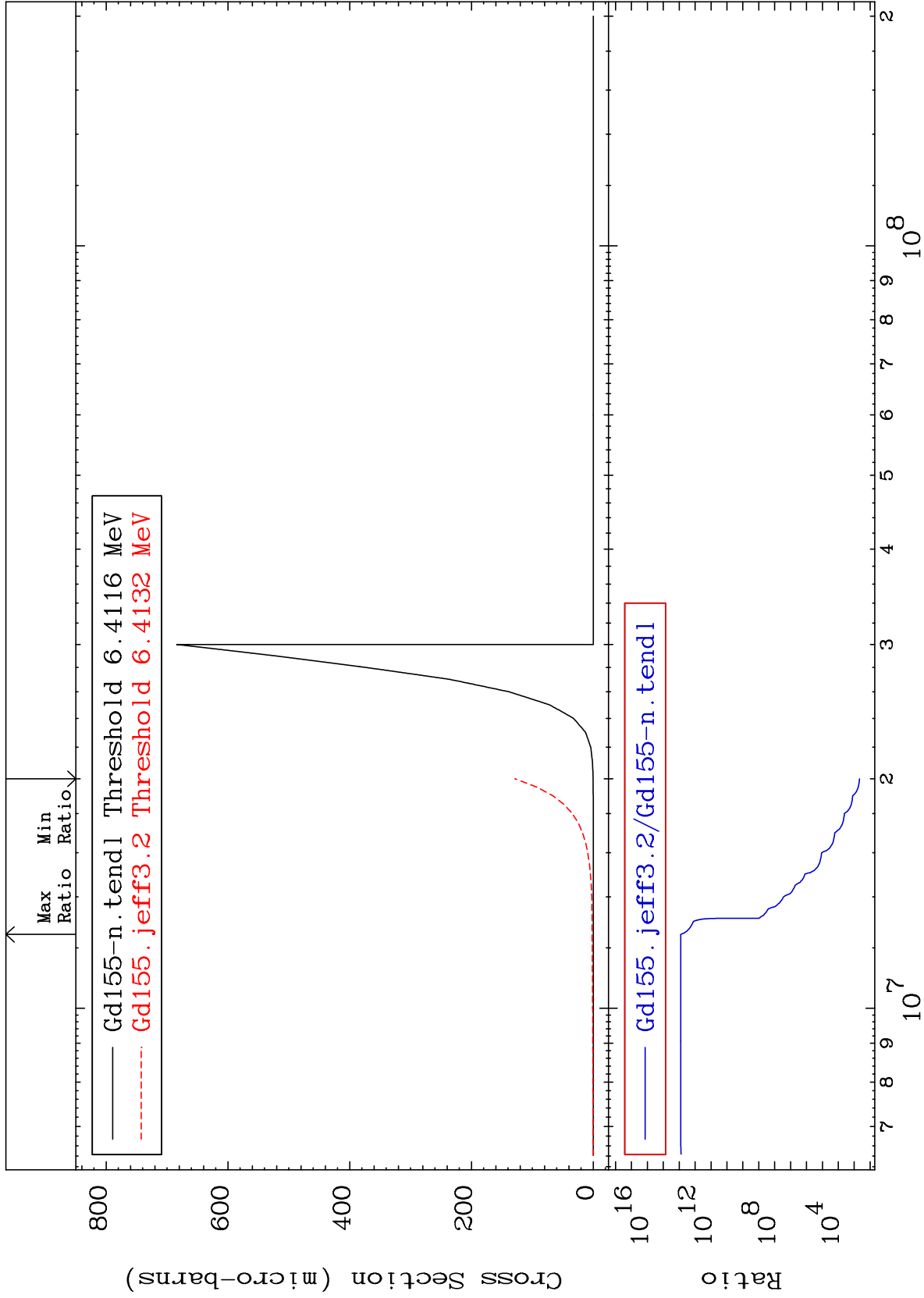
MAT 6434

(n, He-3)

64-Gd-155

Cross Section

9999. To 9999. %



38

Incident Energy (eV)

64-Gd-155

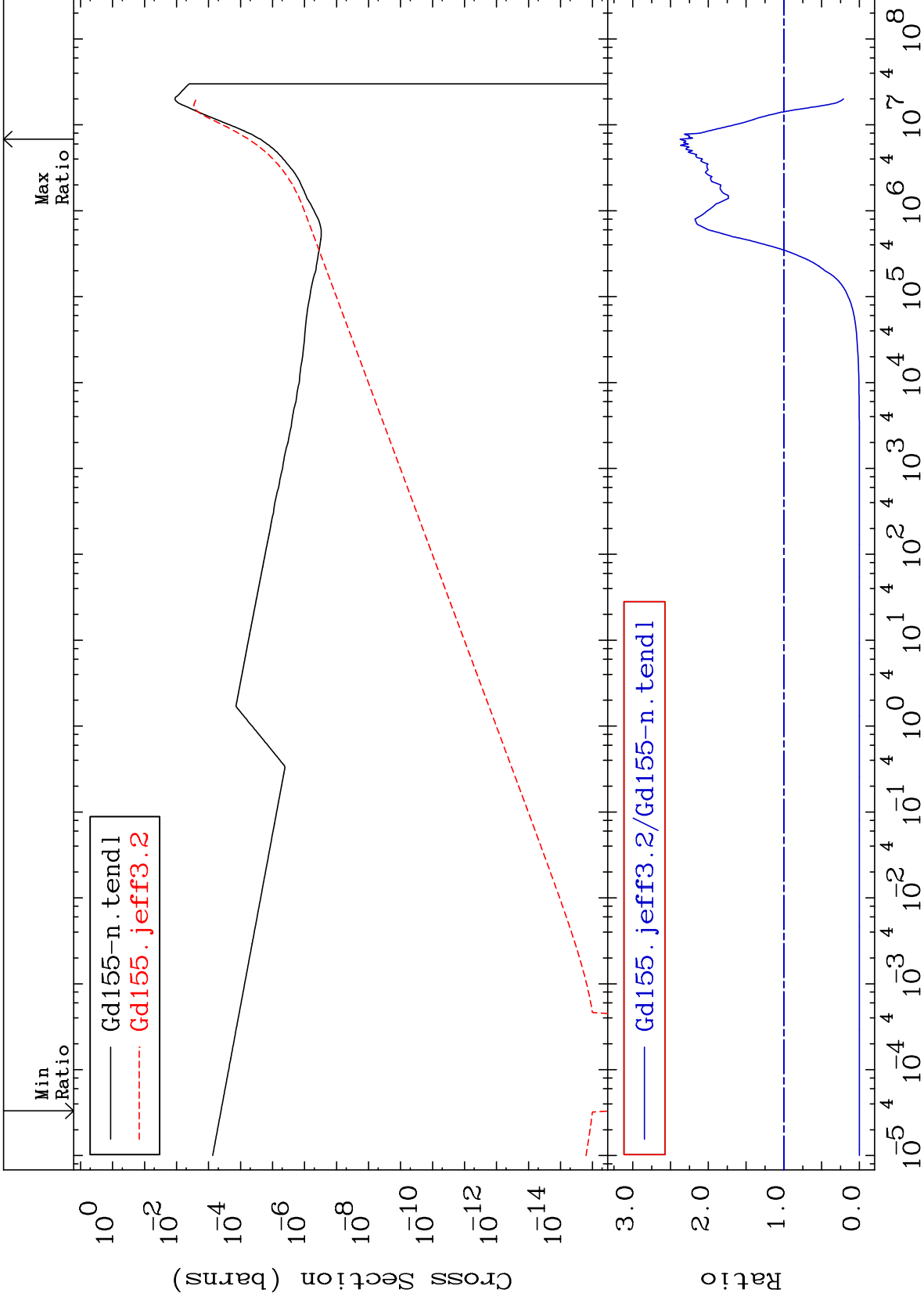
MAT 6434

(n, α)

64-Gd-155

Cross Section

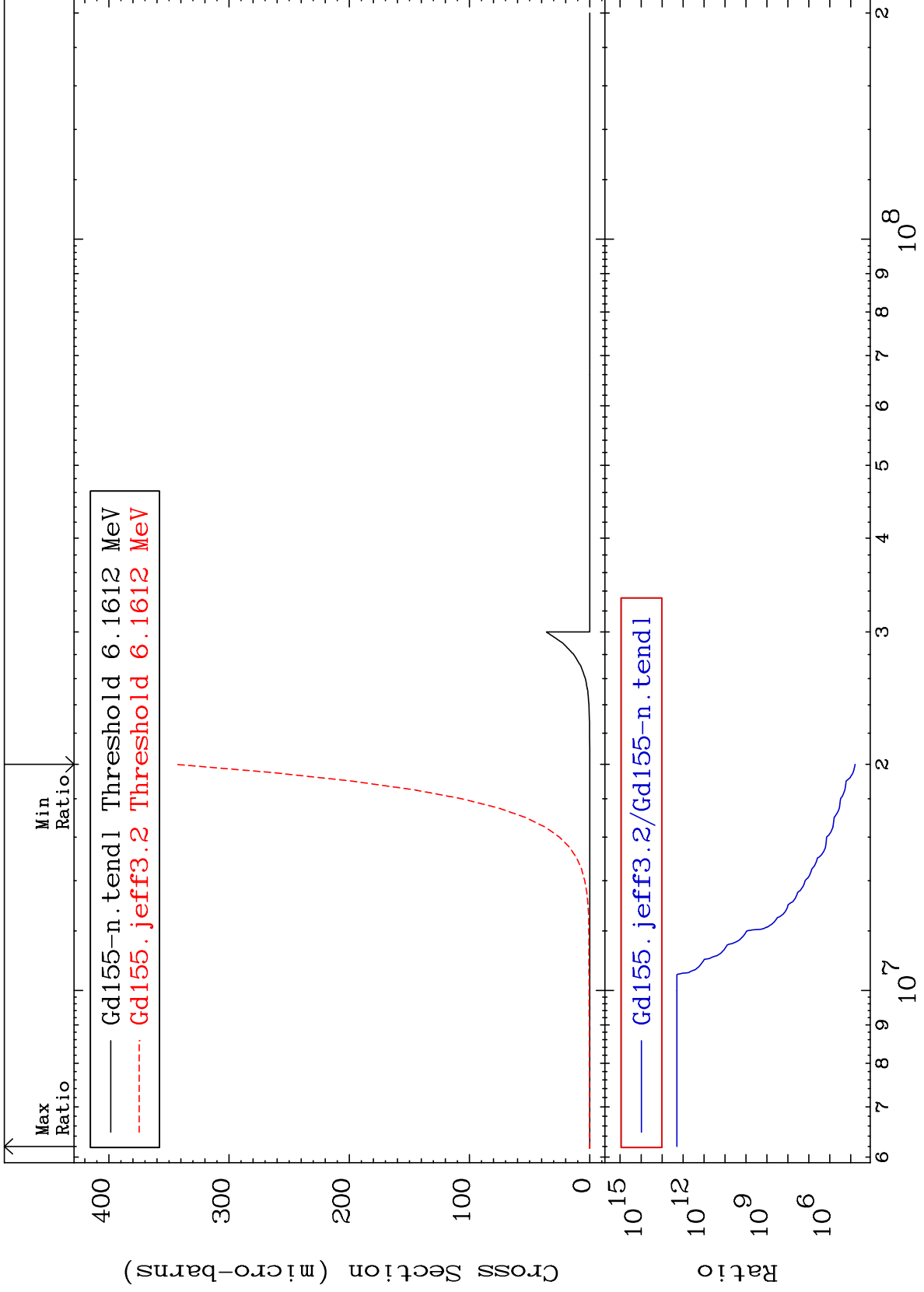
-100.0 To 137.3 %



MAT 6434

(n,2p)
Cross Section

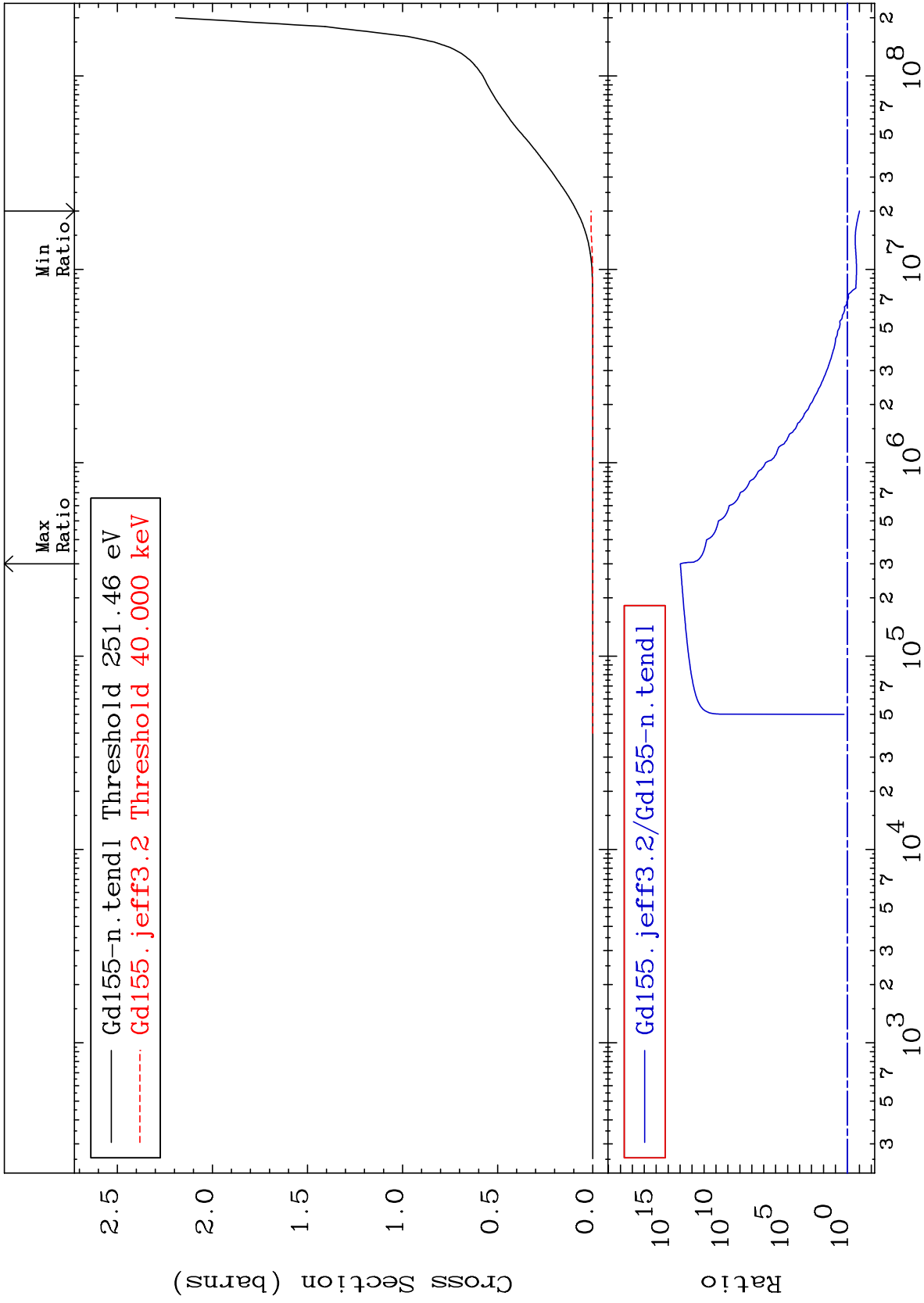
64-Gd-155
9999. To 9999. %



40

Incident Energy (eV)

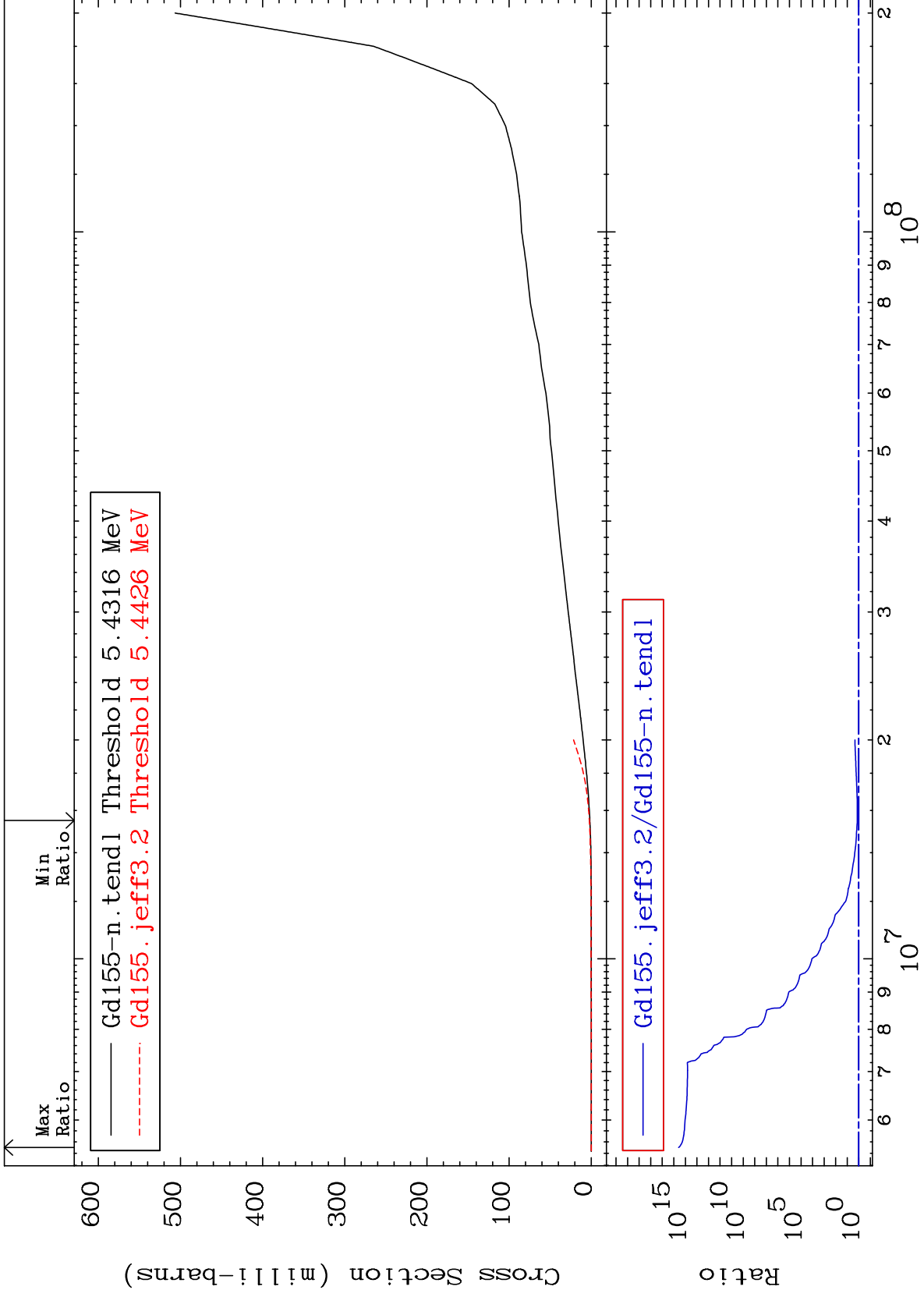
64-Gd-155

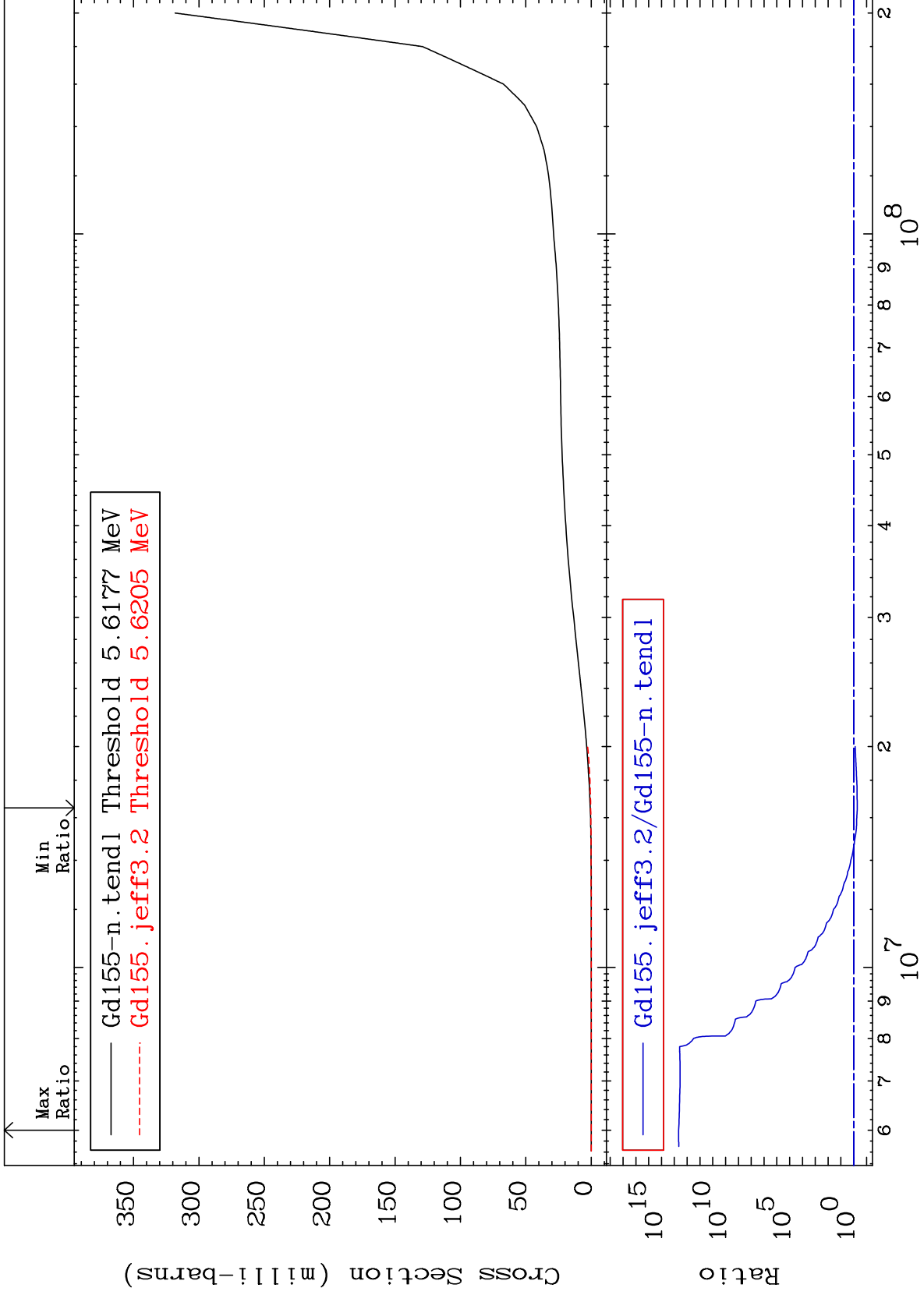


MAT 6434

Deuterium Production
Cross Section

64-Gd-155
36.31 To 9999. %

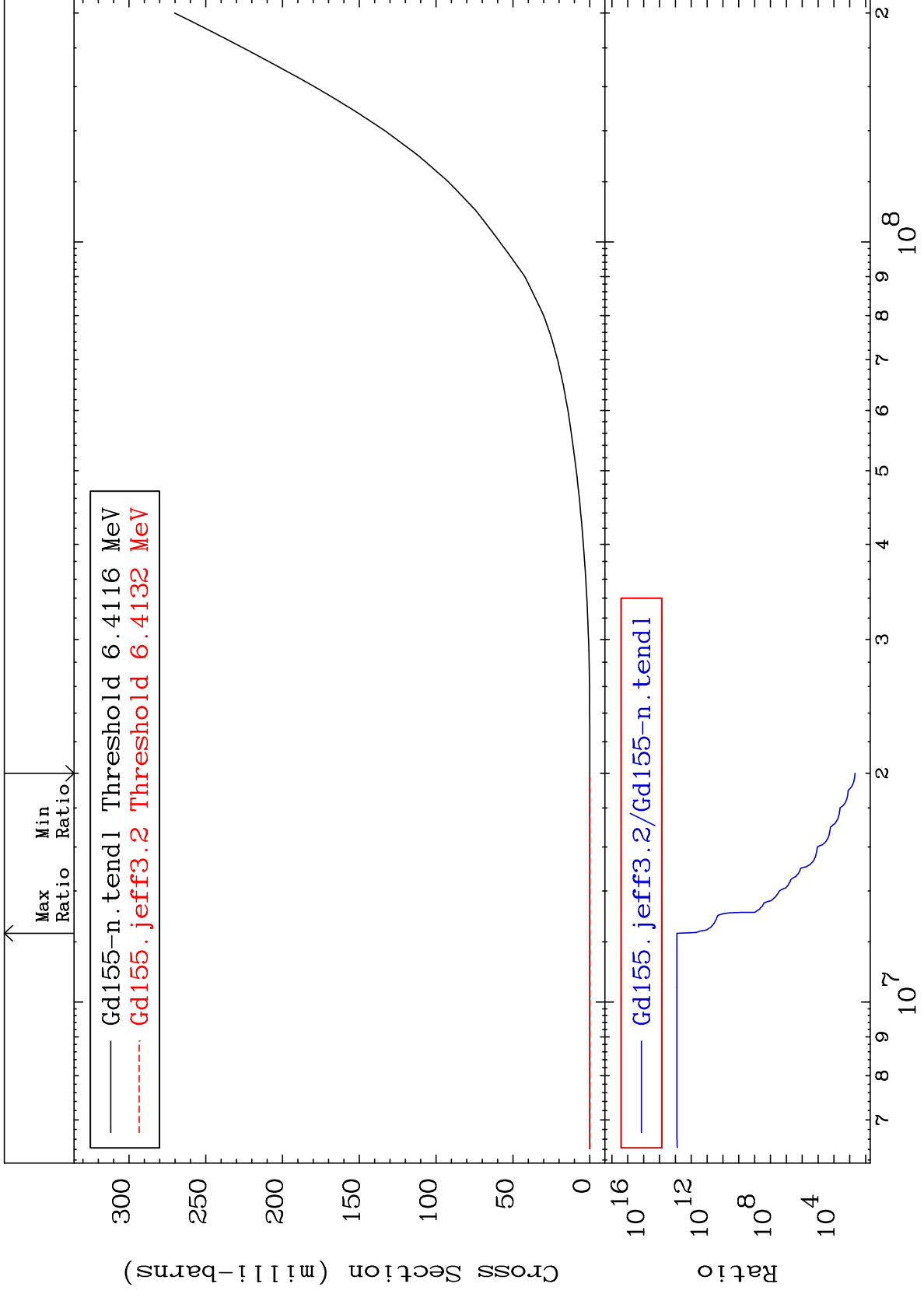




MAT 6434

He-3 Production
Cross Section

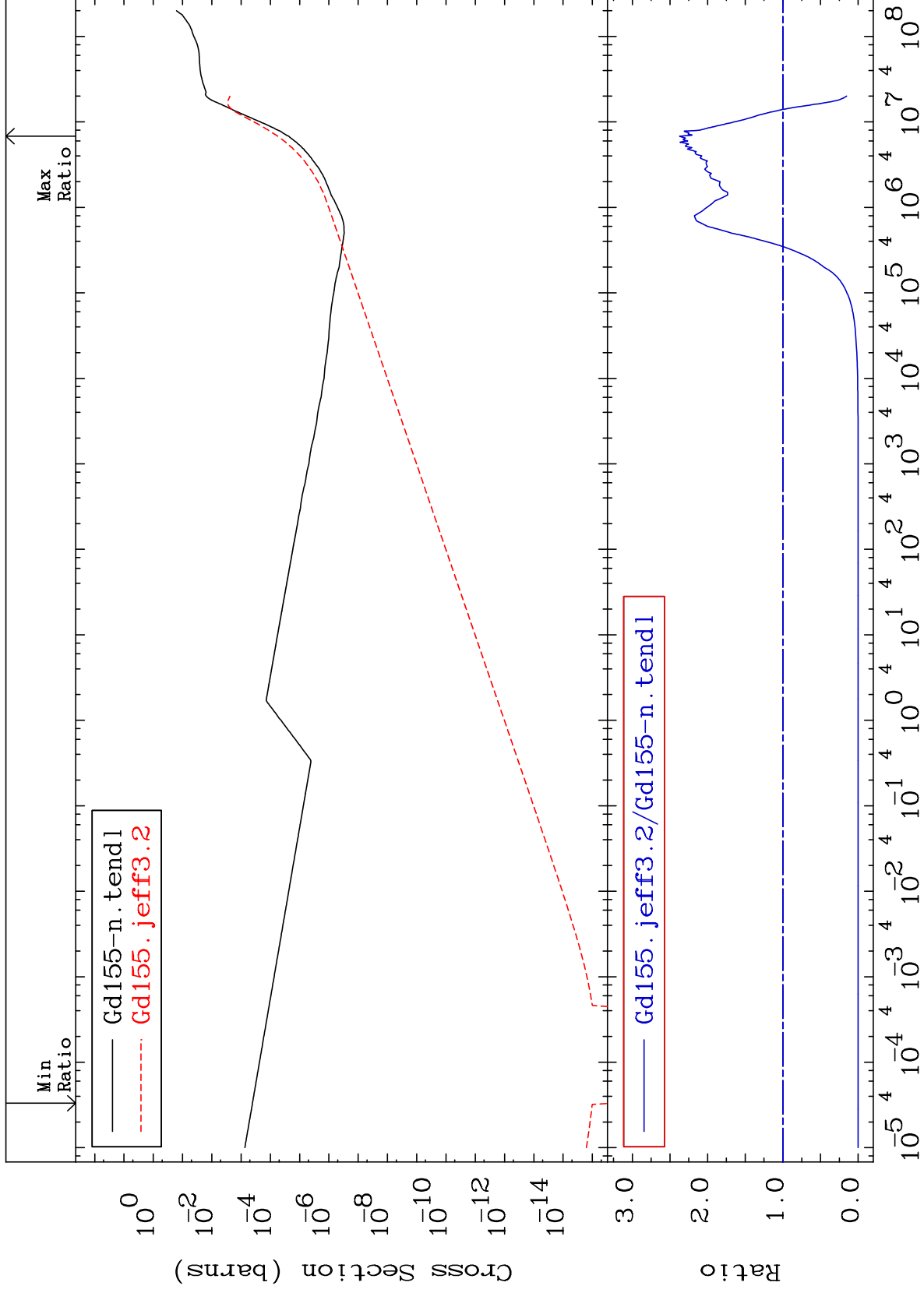
64-Gd-155
9999. To 9999. %



MAT 6434

He-4 Production
Cross Section

64-Gd-155
-100.0 To 137.2 %



45

Incident Energy (eV)

64-Gd-155

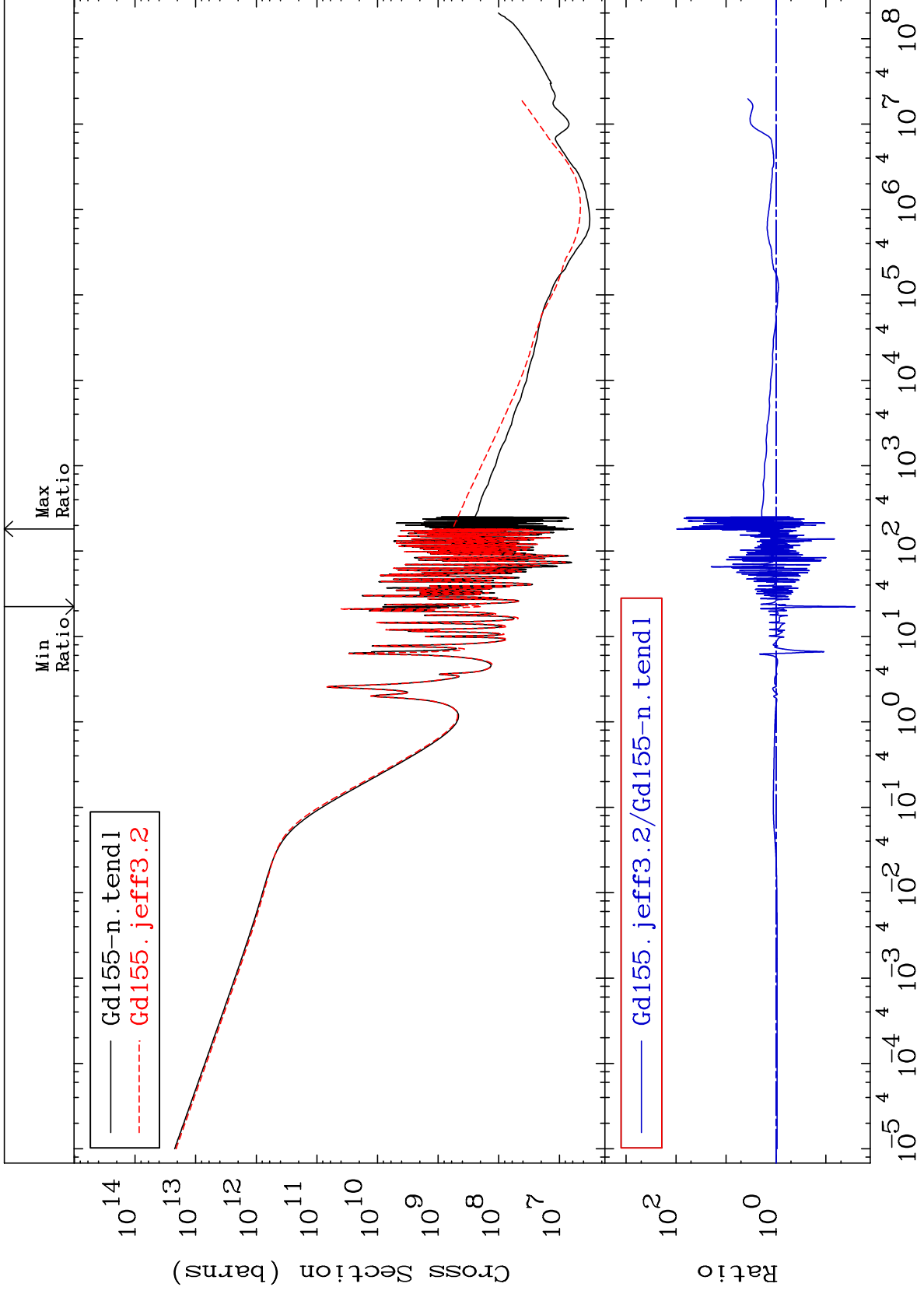
MAT 6434

Kerma total (eV-barns)

64-Gd-155

Cross Section

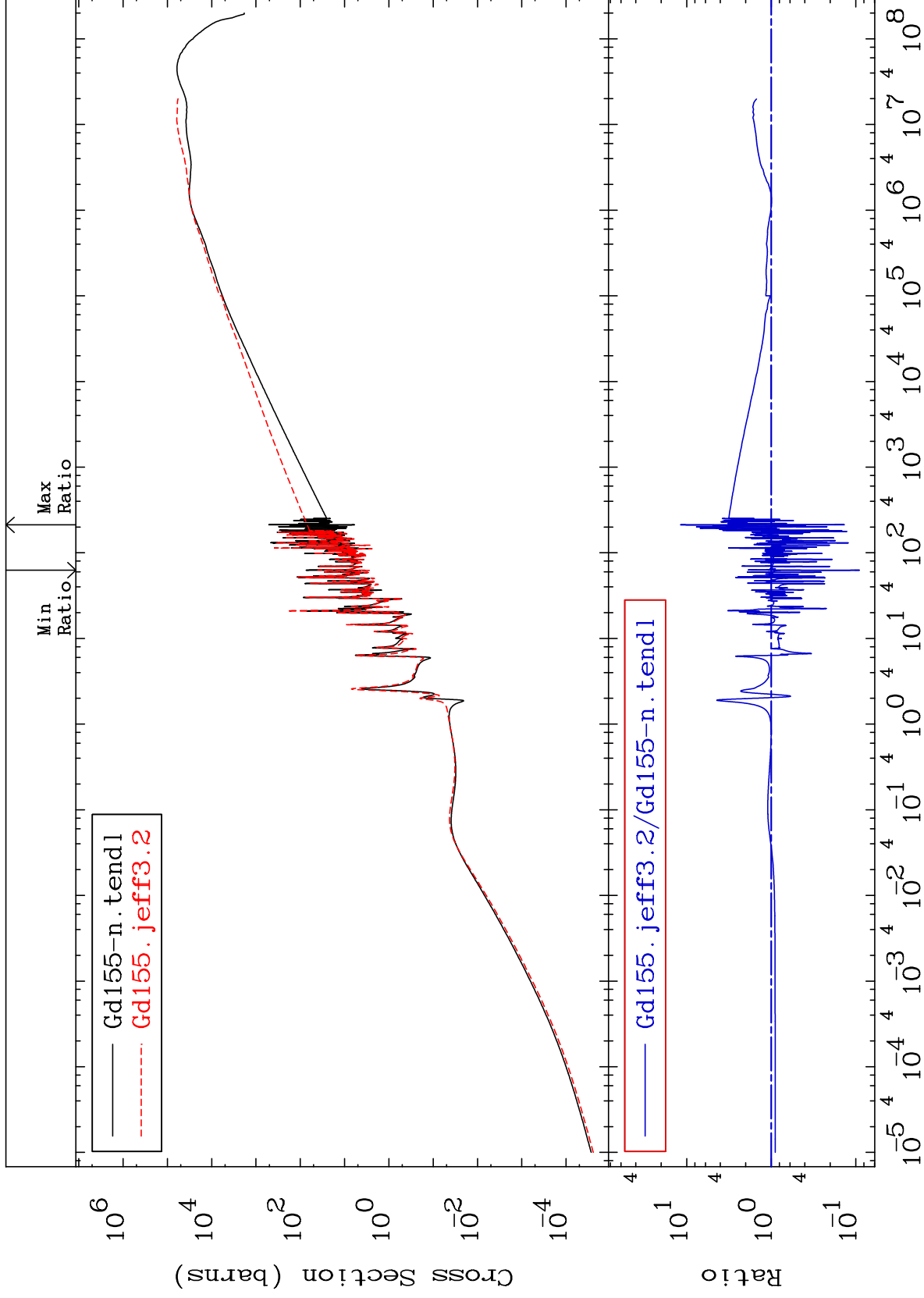
-97.39 To 9491. %

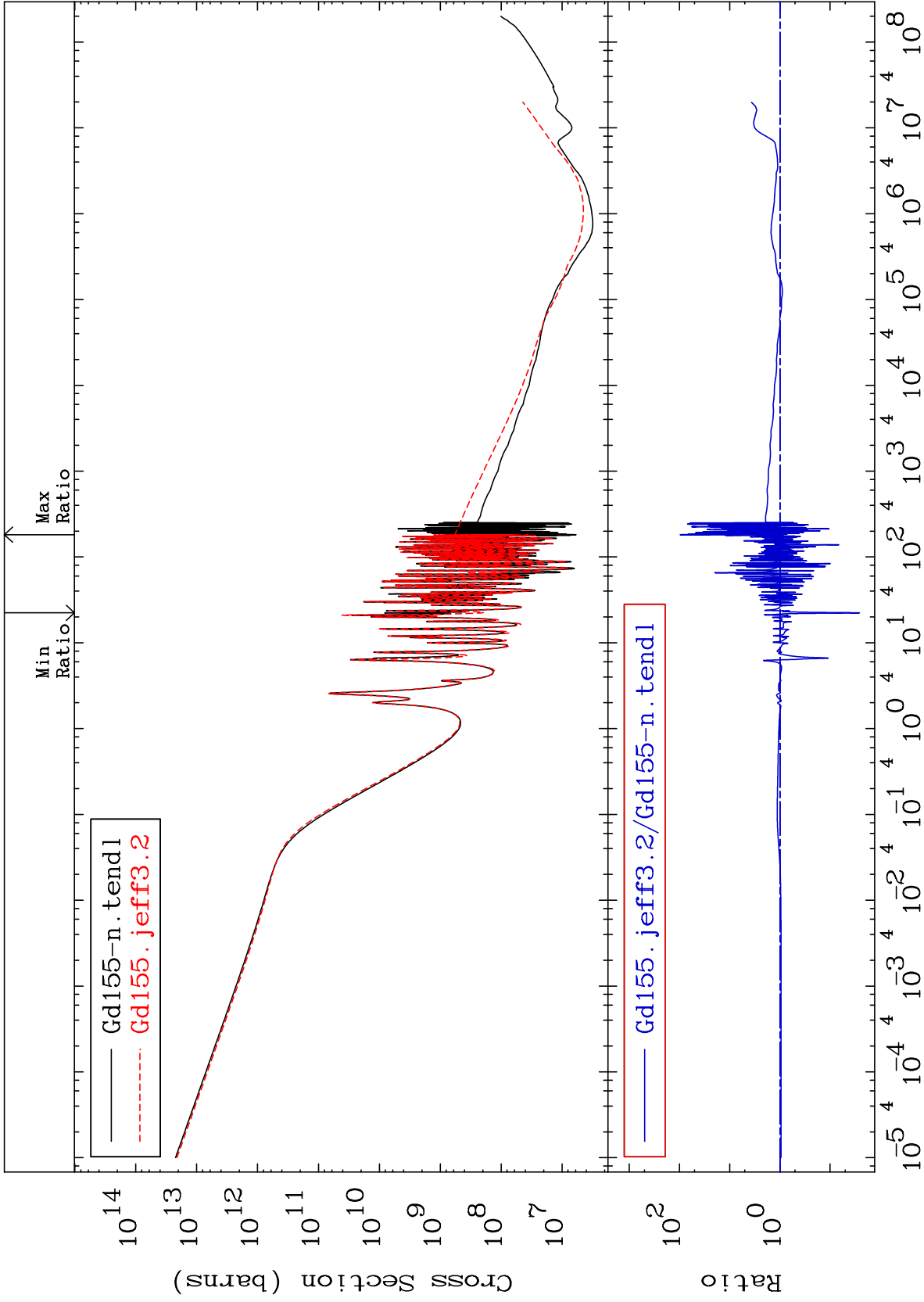


MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-90.99 To 1075. %

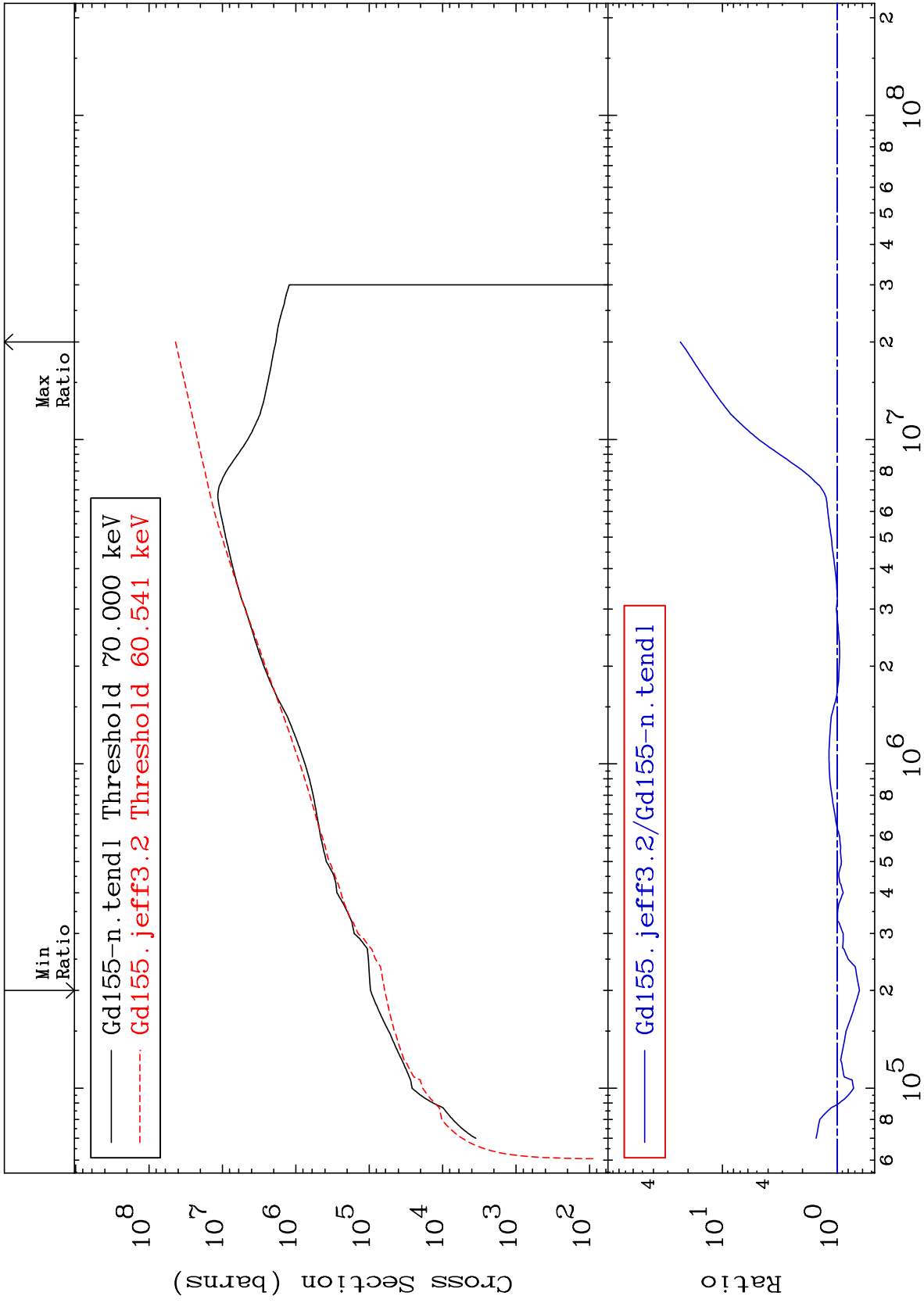




MAT 6434

Kerma inelastic (mt51-91)
Cross Section

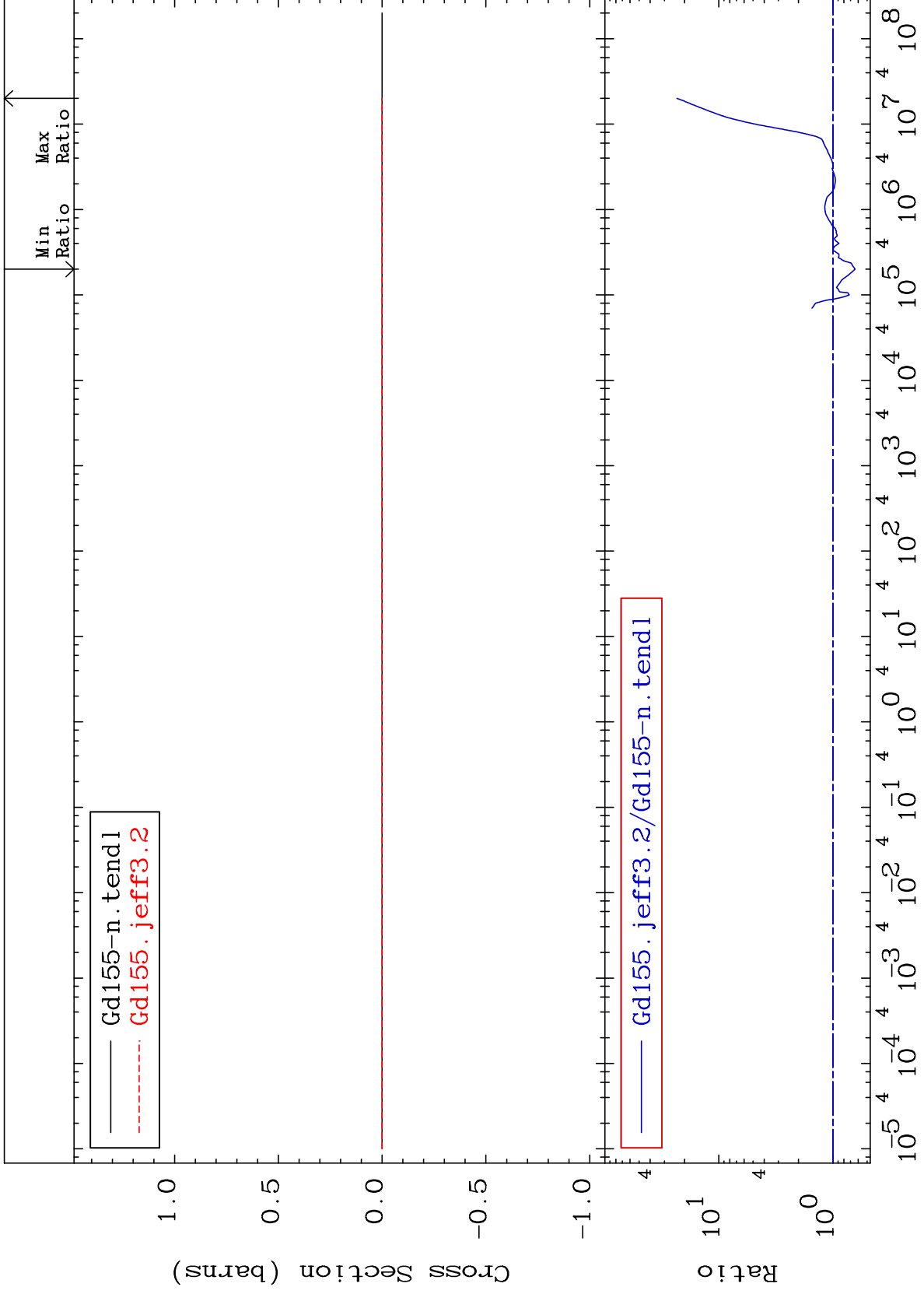
64-Gd-155
-36.20 To 2228. %



MAT 6434

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

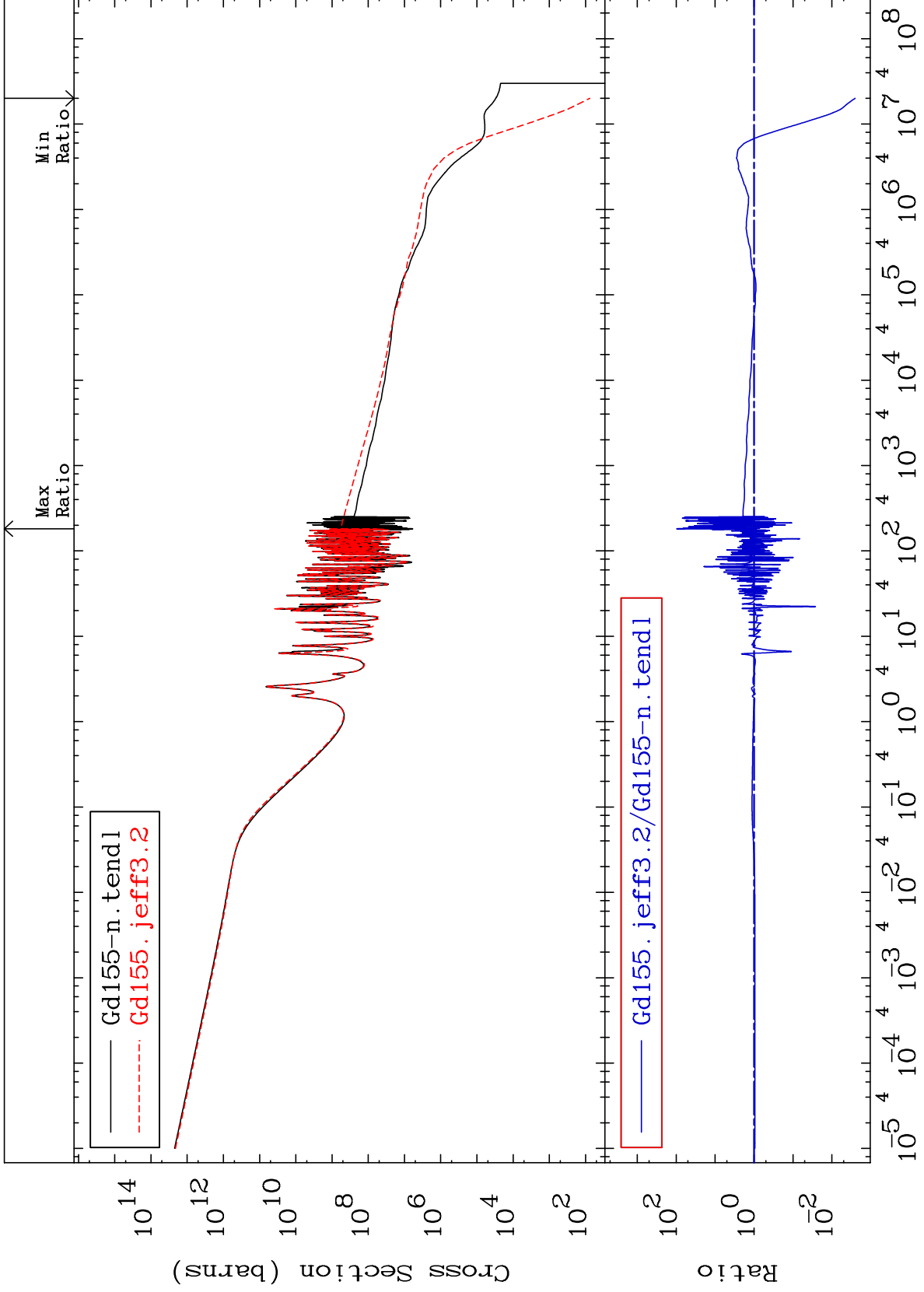
64-Gd-155
-36.20 To 2228. %



MAT 6434

Kerma capture (mt102)
Cross Section

64-Gd-155
-99.75 To 9491. %



51

Incident Energy (eV)

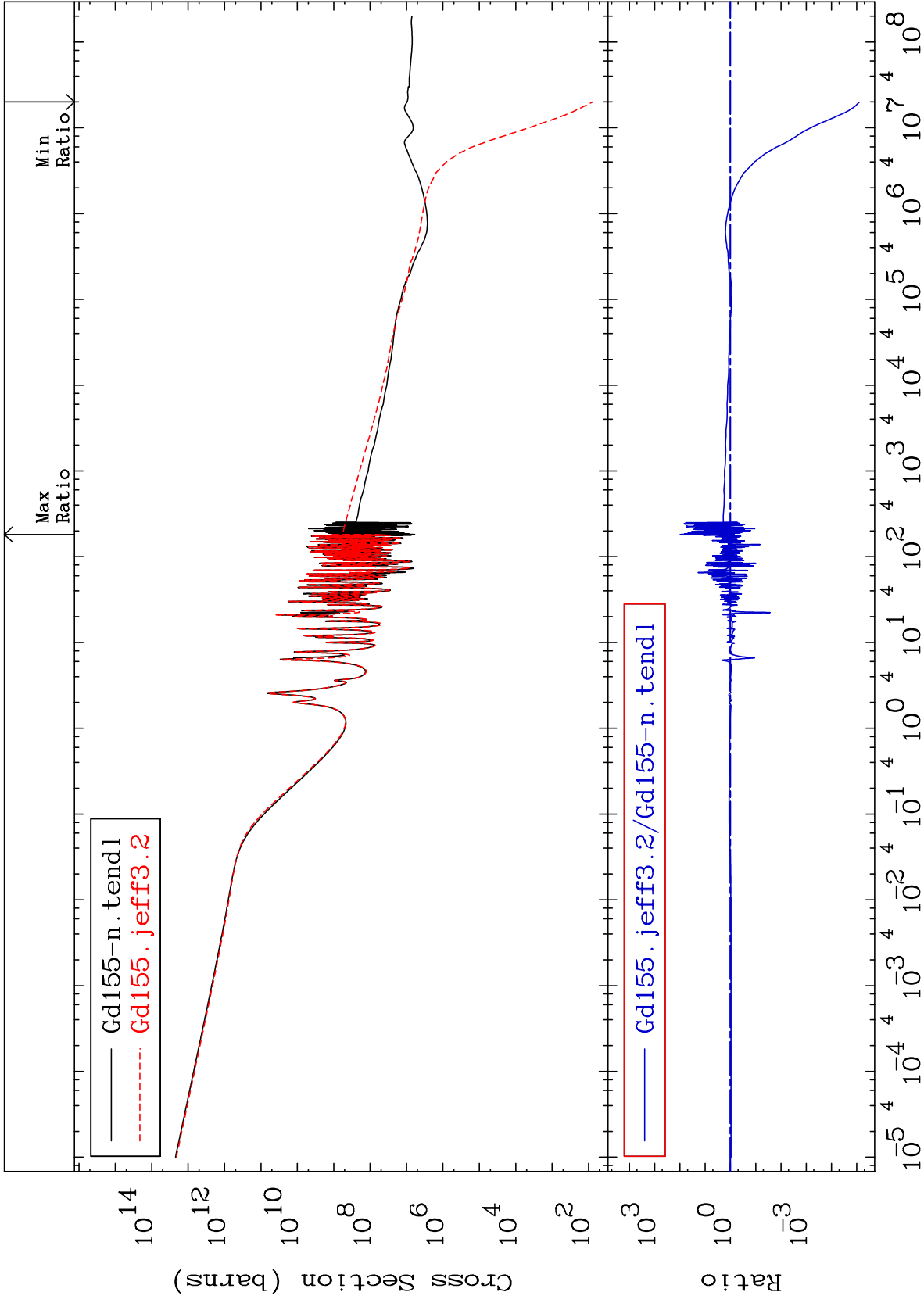
64-Gd-155

MAT 6434

Total photon (eV-barns)
Cross Section

64-Gd-155

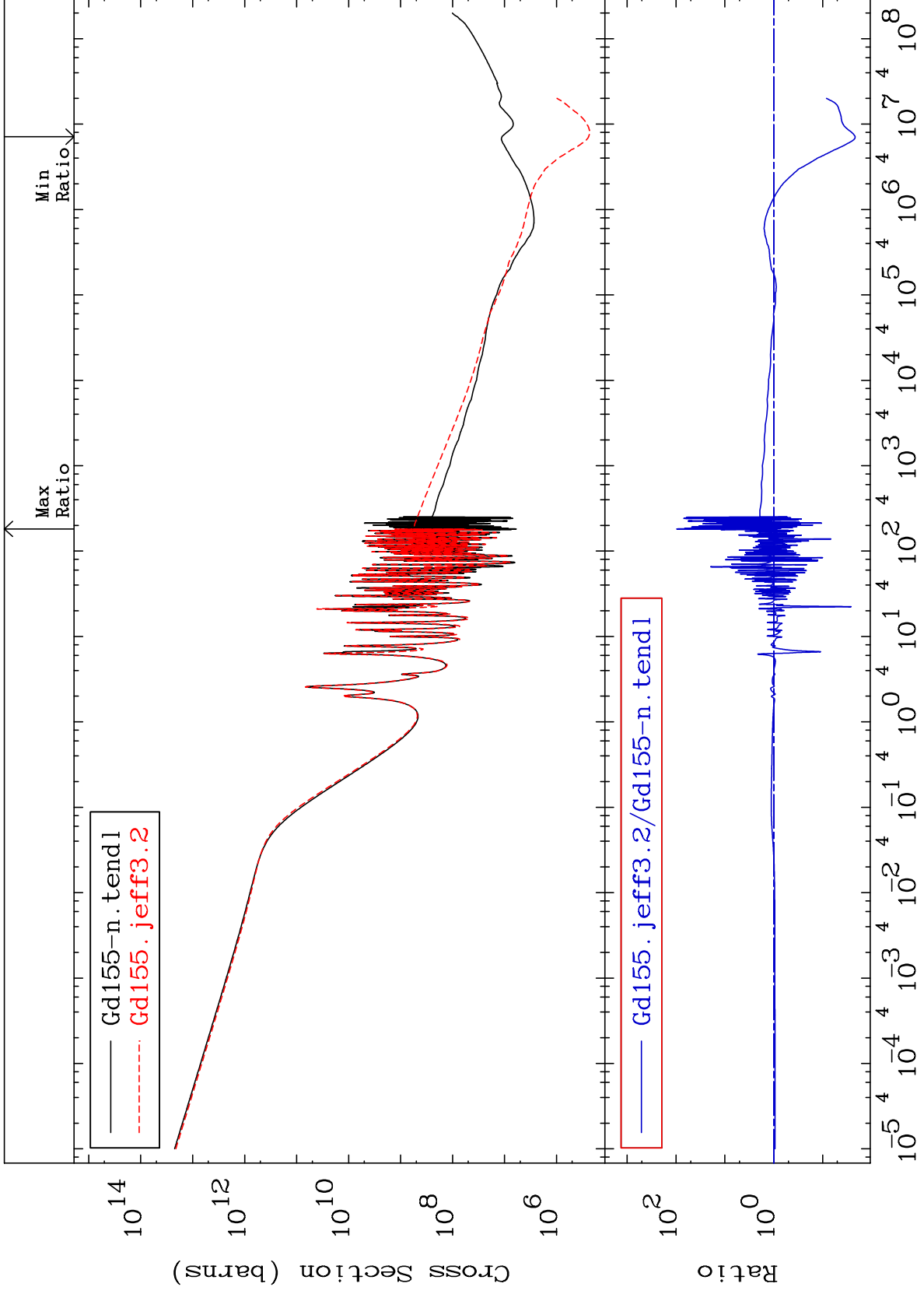
-100.0 To 9491. %



52

Incident Energy (eV)

64-Gd-155



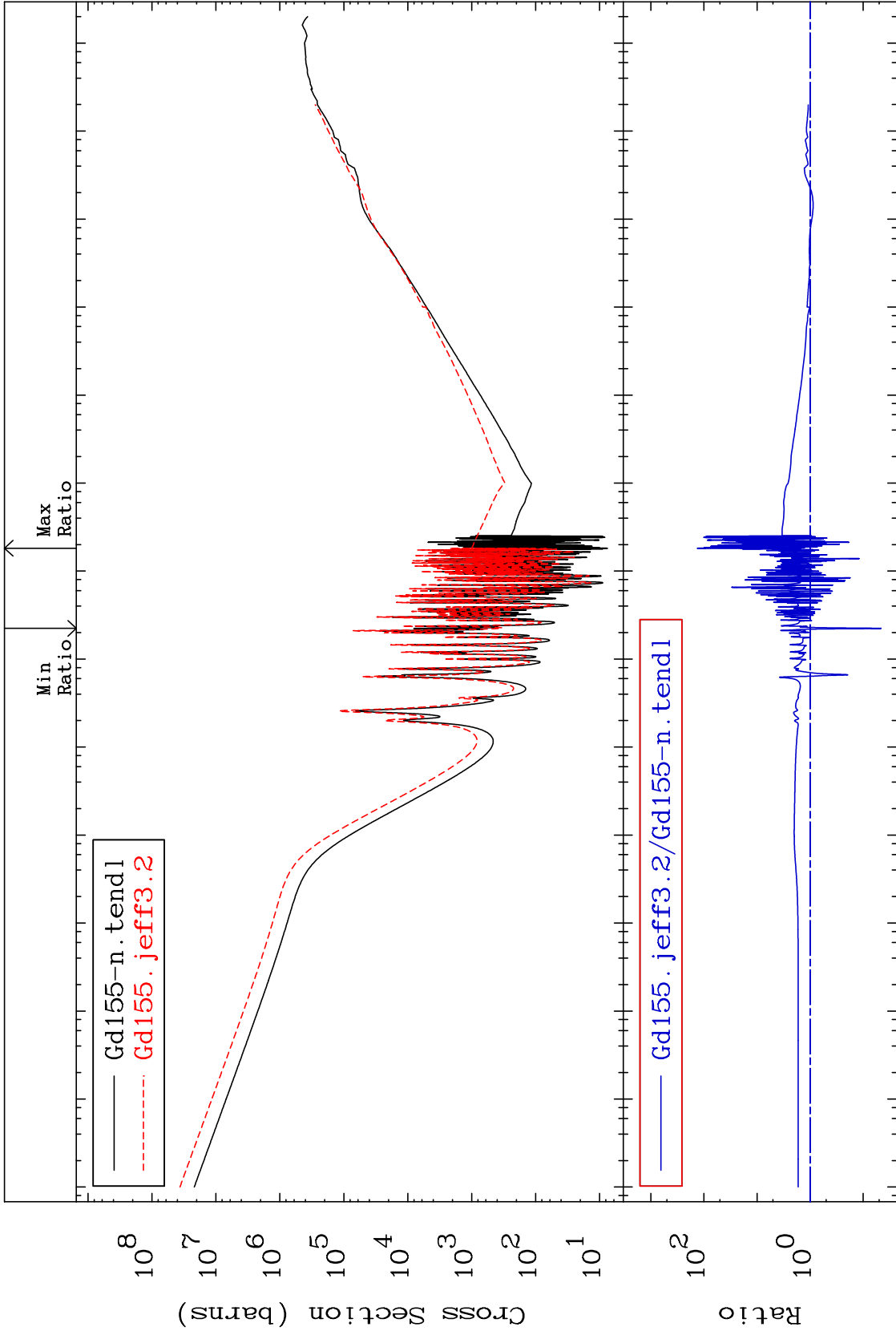
MAT 6434

Dpa total (eV-barns)

64-Gd-155

-95.40 To 9999. %

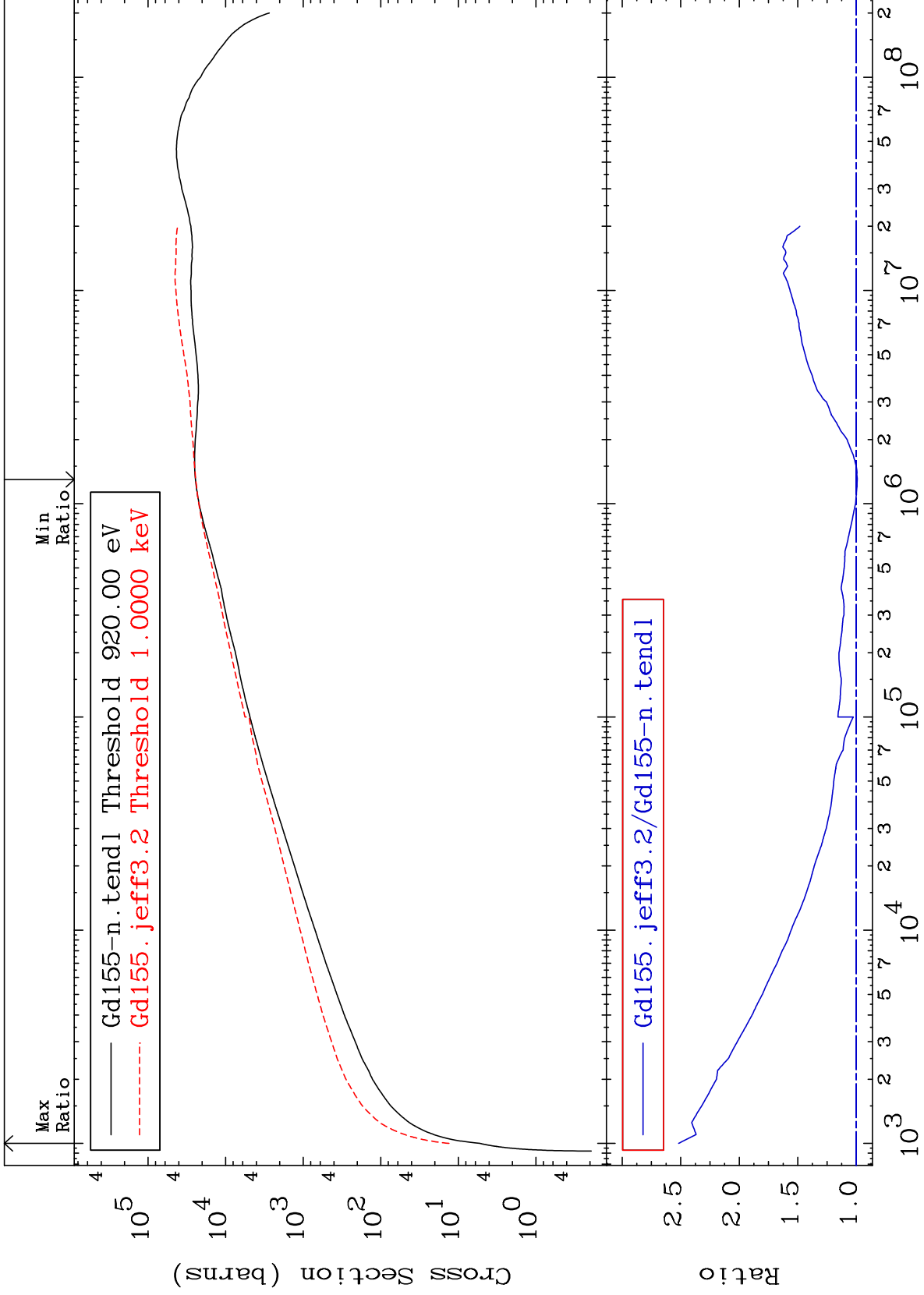
Cross Section



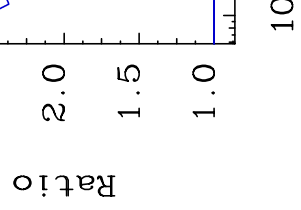
MAT 6434

Dpa elastic (mt2)
Cross Section

64-Gd-155
-0.814 To 151.8 %



— Gd155.jeff3.2/Gd155-n.tendl



55

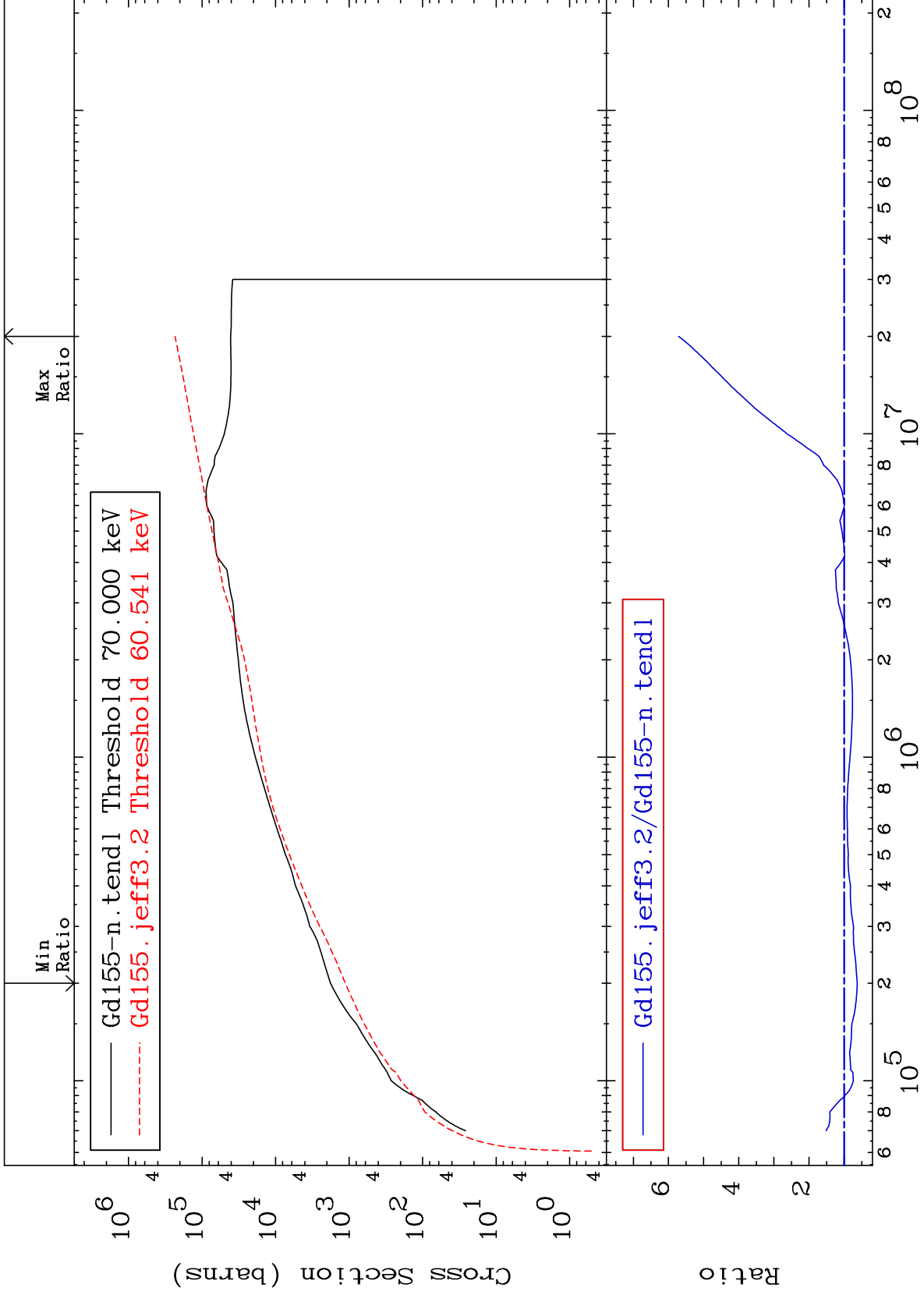
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa inelastic (mt51-91)
Cross Section

64-Gd-155
-37.20 To 471.1 %



56

Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-155
-95.40 To 9999. %

