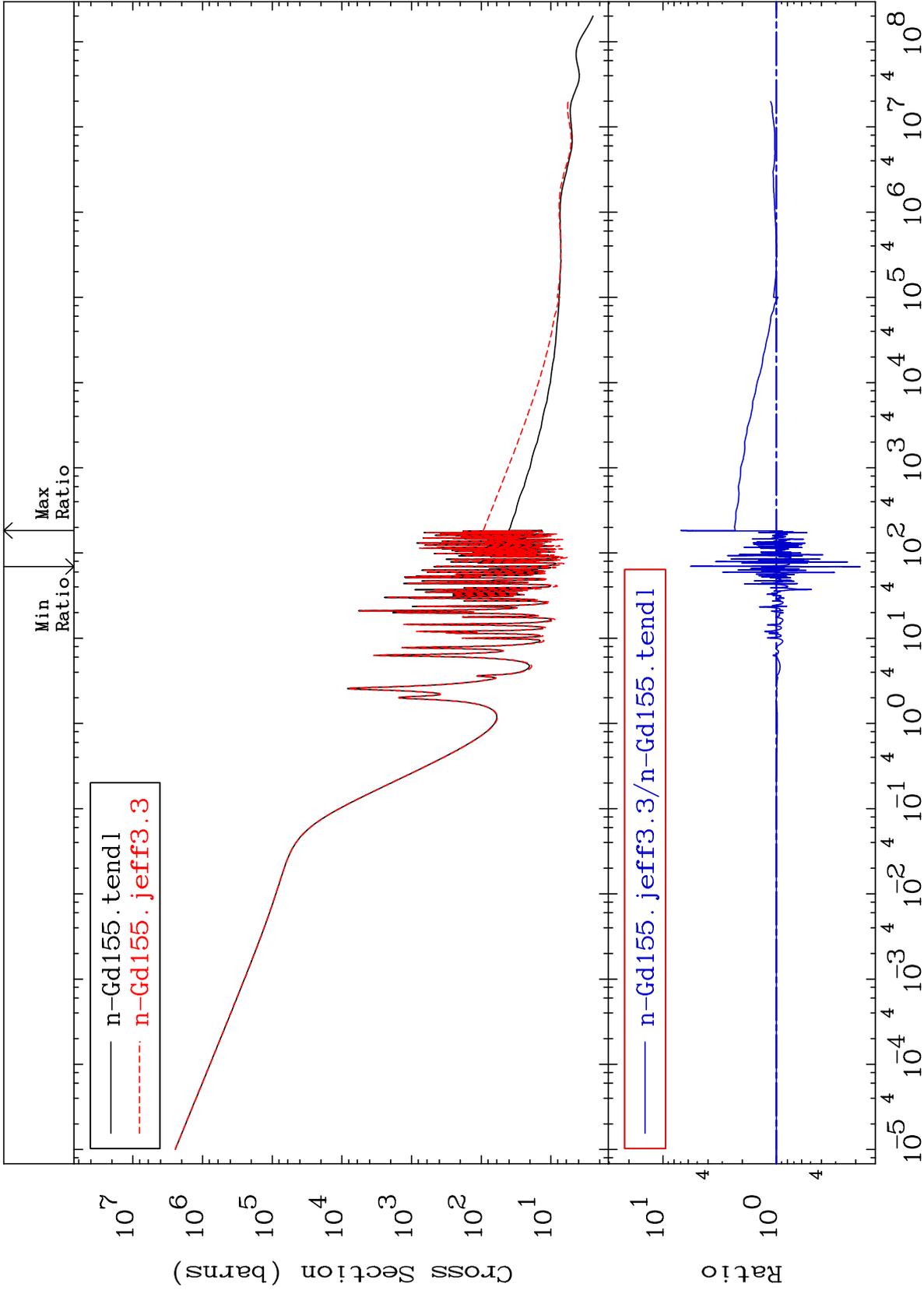


MAT 6434

64-Gd-155

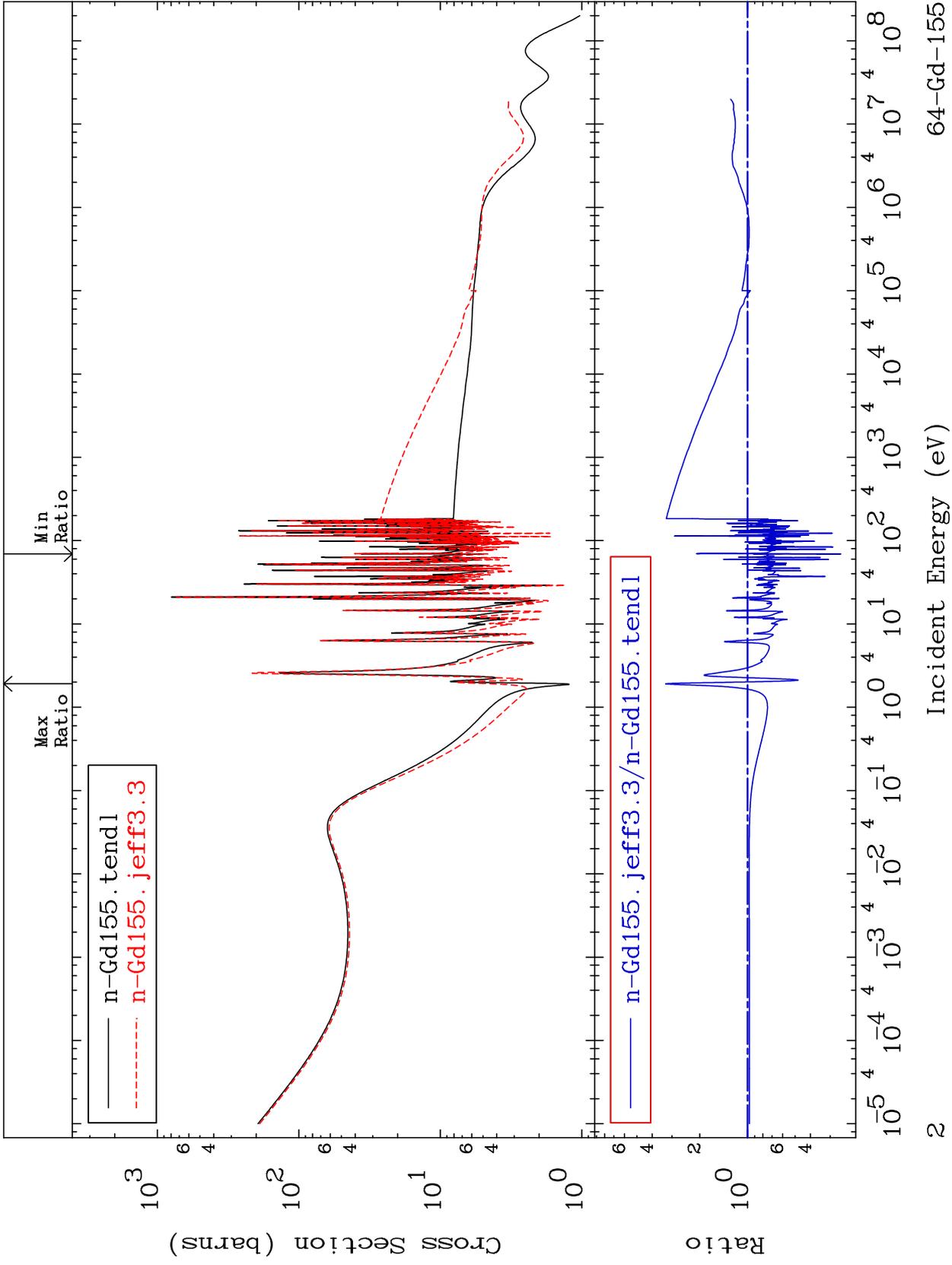
-81.74 To 598.0 %



MAT 6434

Elastic
Cross Section

64-Gd-155
-74.30 To 229.6 %



64-Gd-155

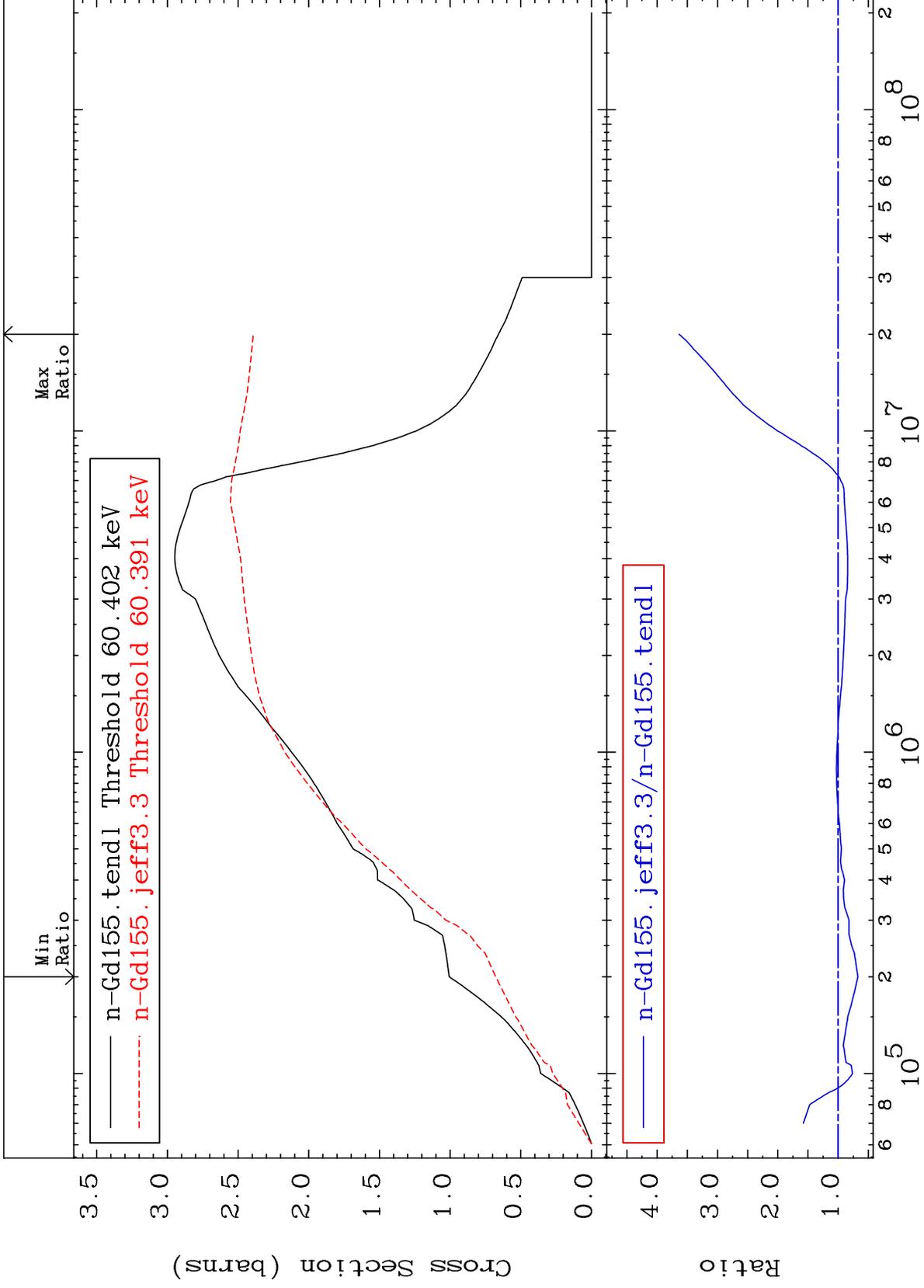
Incident Energy (eV)

2

MAT 6434

Inelastic
Cross Section

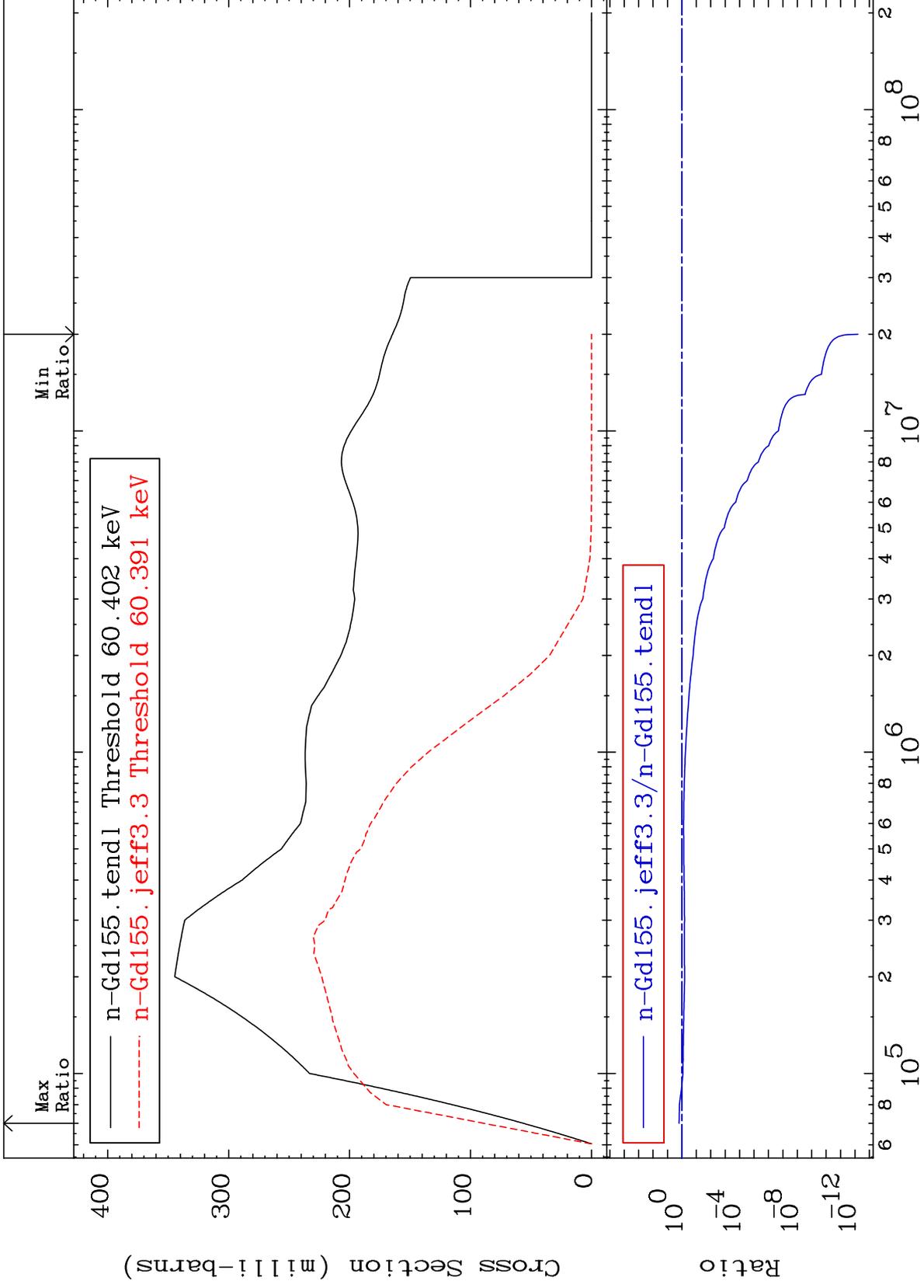
64-Gd-155
-32.70 To 263.7 %



MAT 6434

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

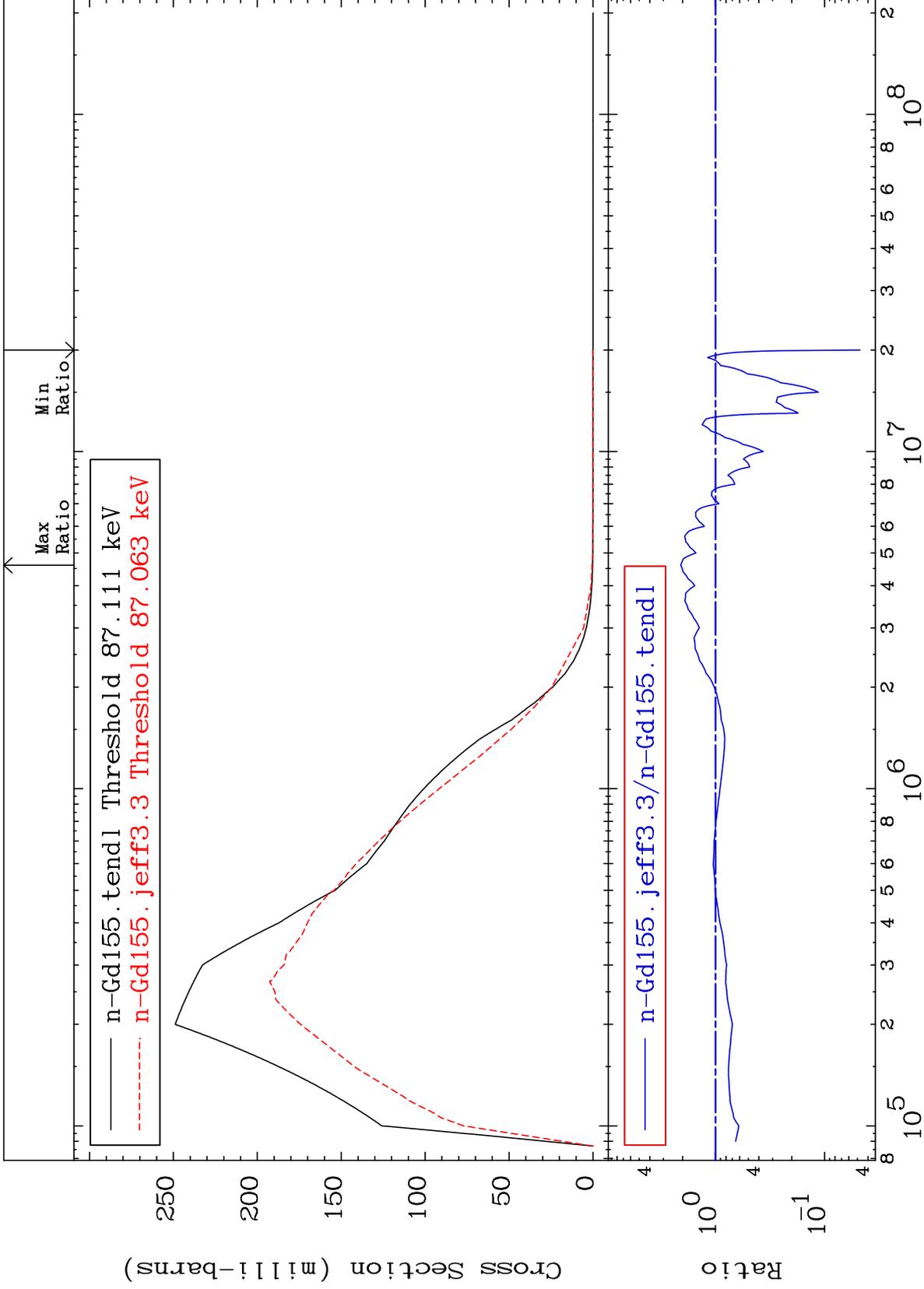
64-Gd-155
-100.0 To 57.80 %



MAT 6434

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

64-Gd-155
-95.28 To 108.1 %



5

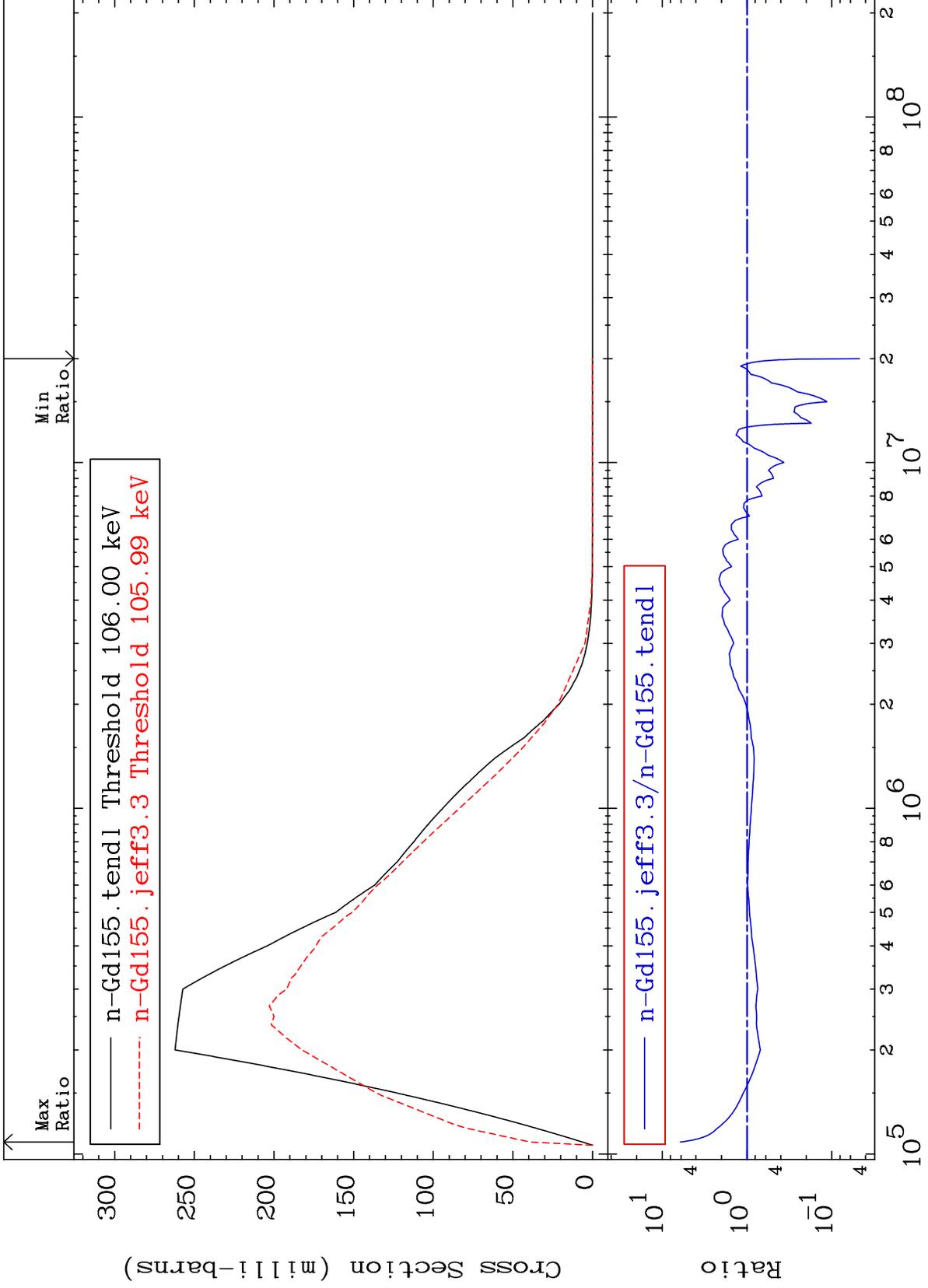
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-95.29 To 512.3 %



6

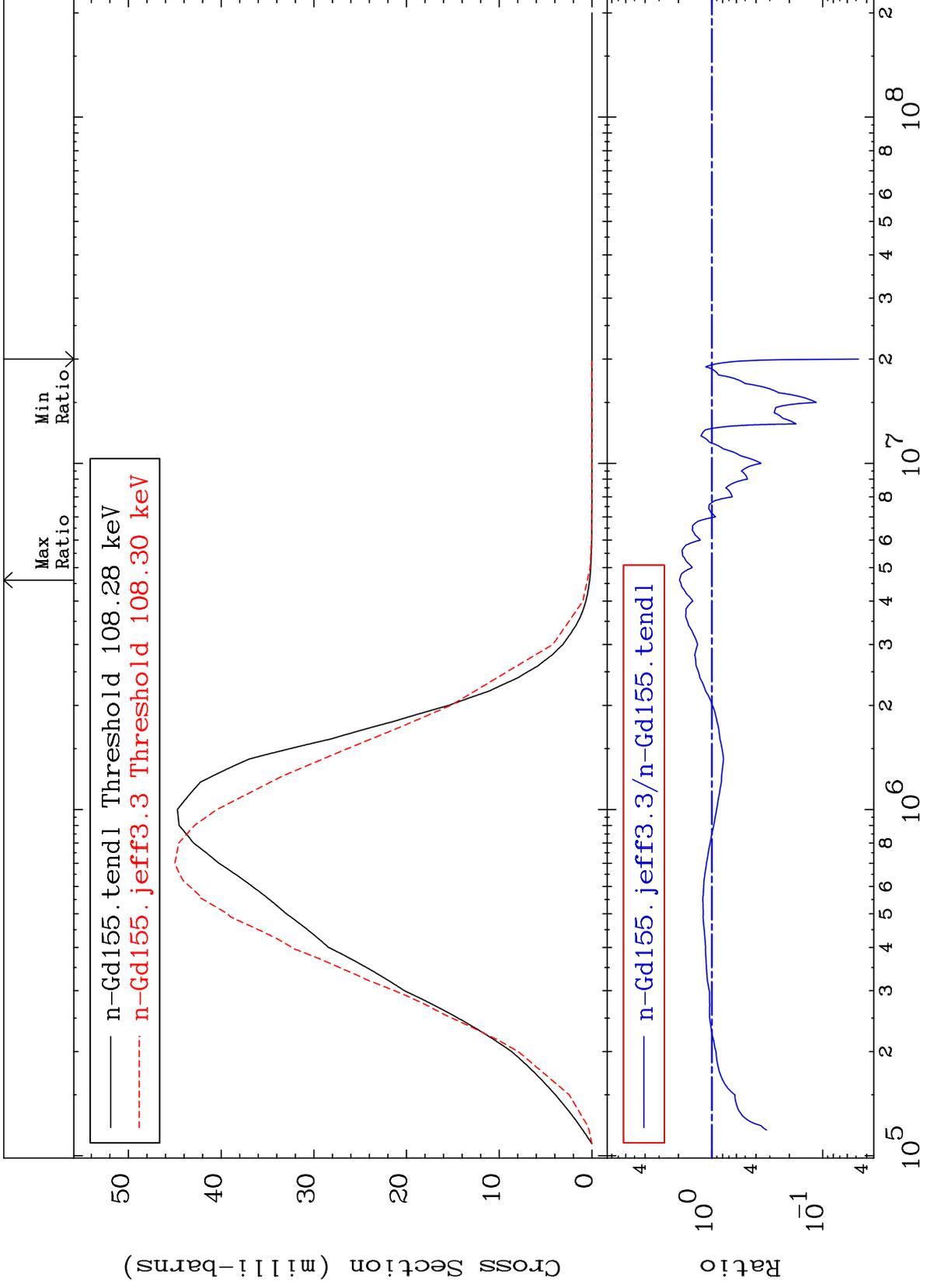
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-95.26 To 95.68 %



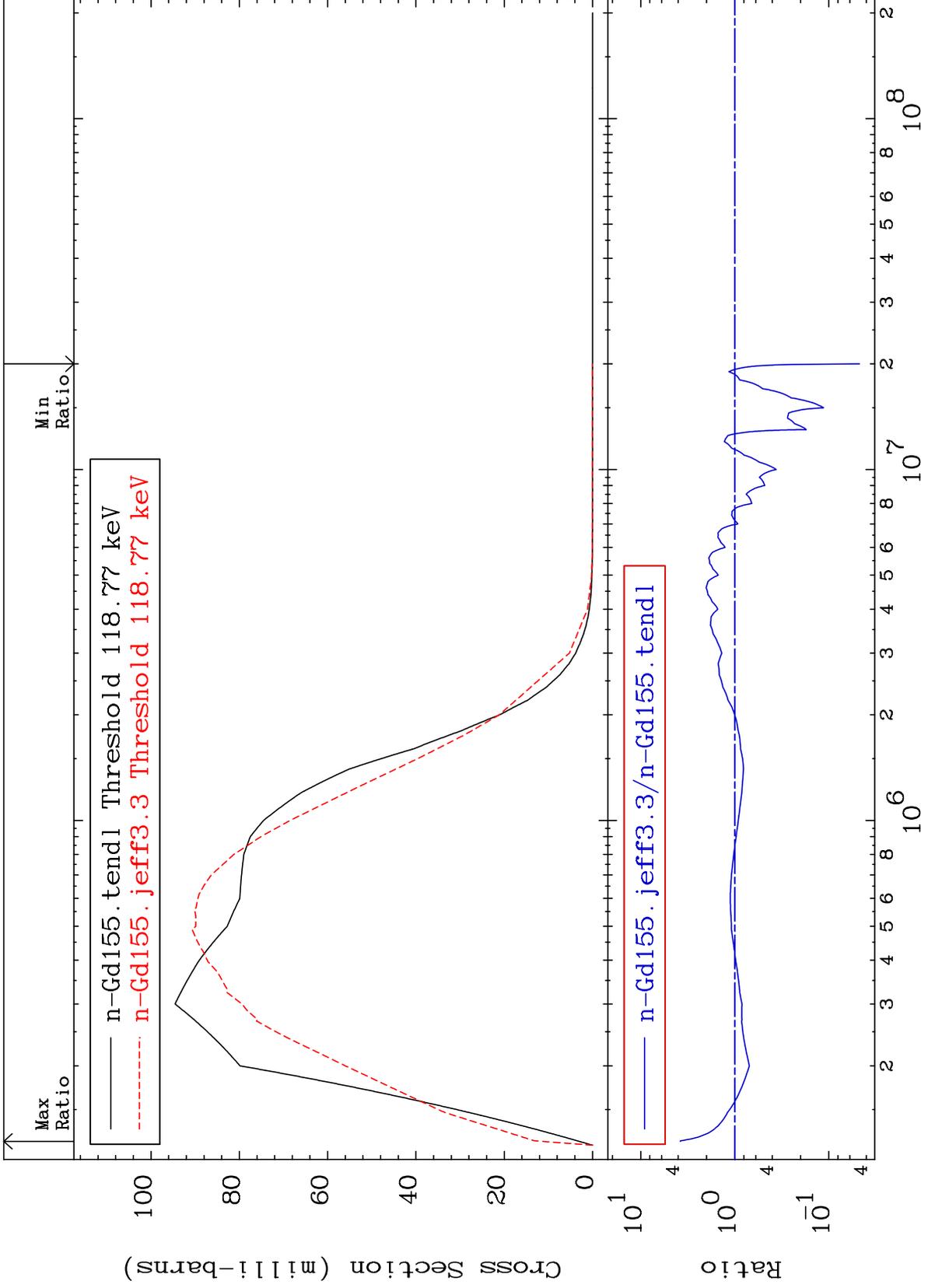
Incident Energy (eV)

64-Gd-155

MAT 6434

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

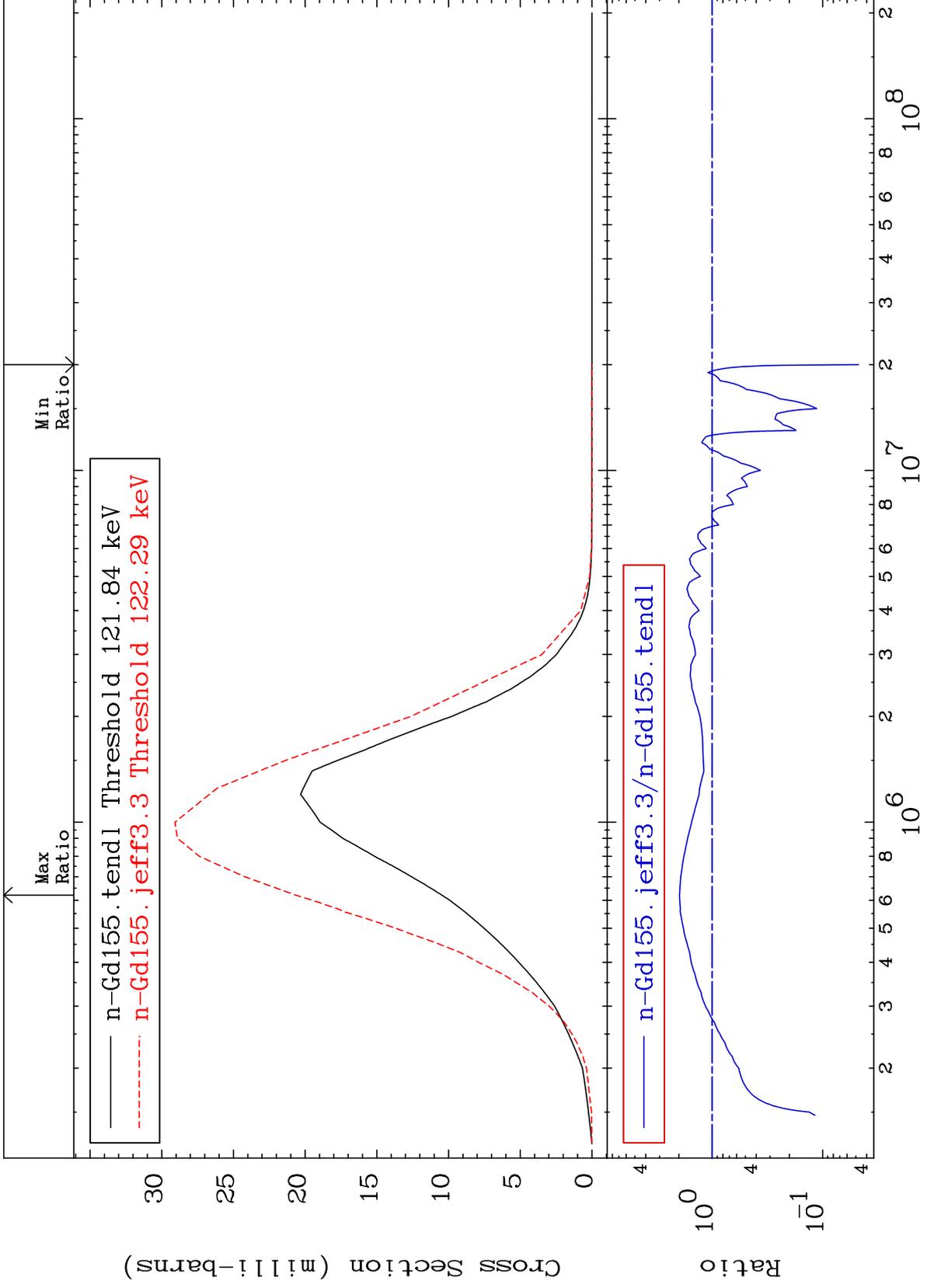
64-Gd-155
-95.27 To 280.0 %



MAT 6434

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

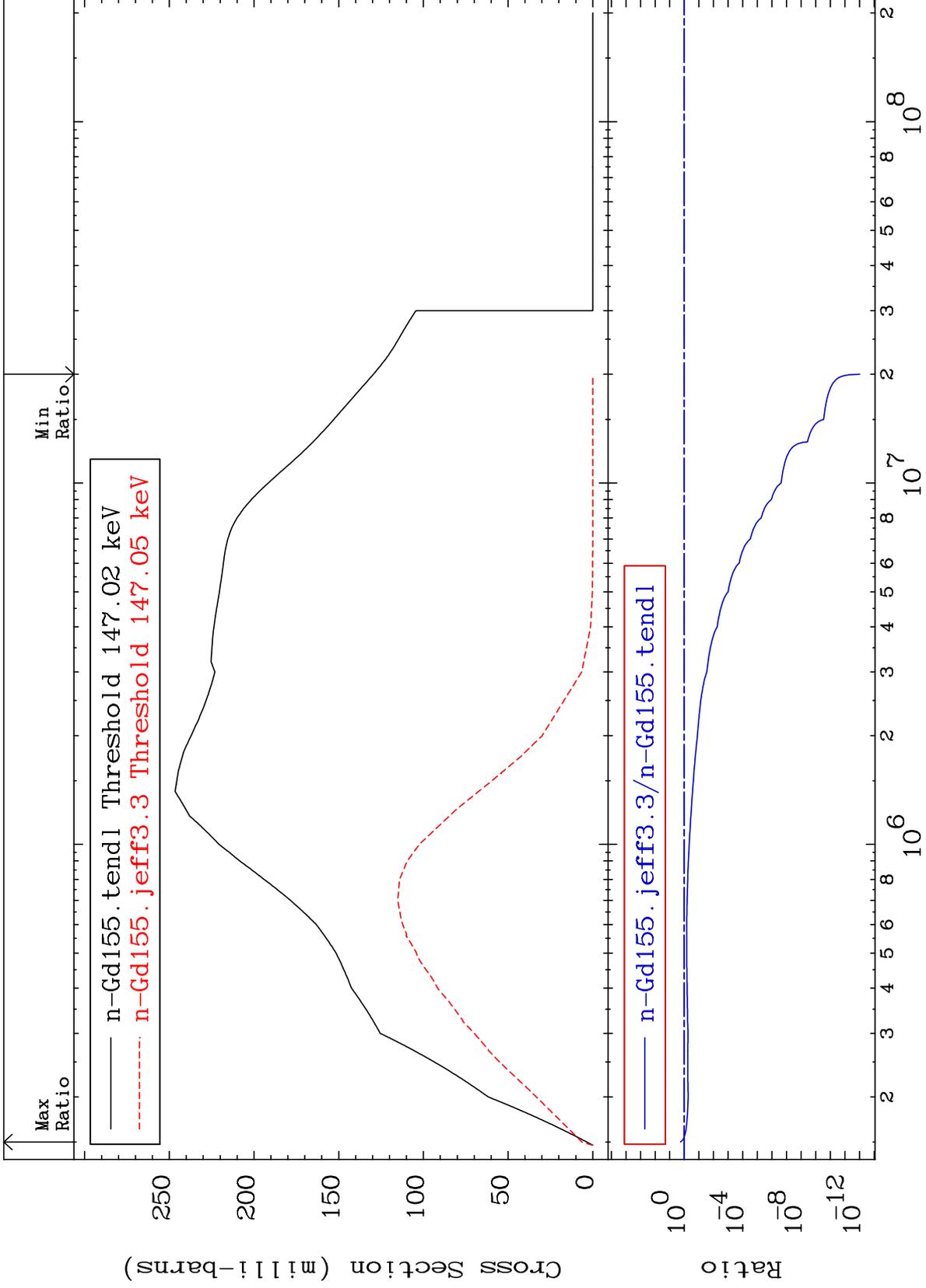
64-Gd-155
-95.27 To 97.32 %



MAT 6434

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

64-Gd-155
-100.0 To 82.30 %



10

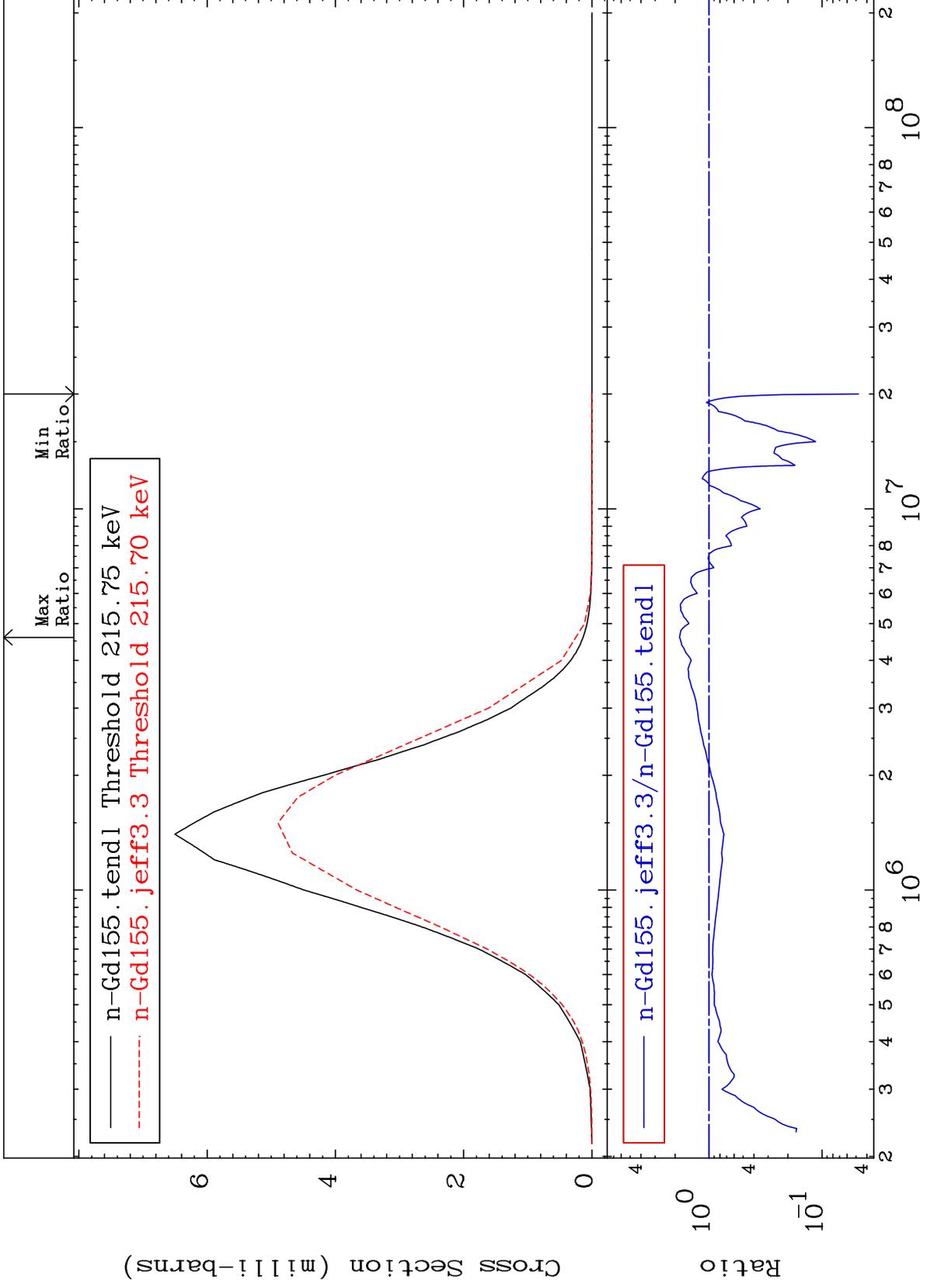
Incident Energy (eV)

64-Gd-155

MAT 6434

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

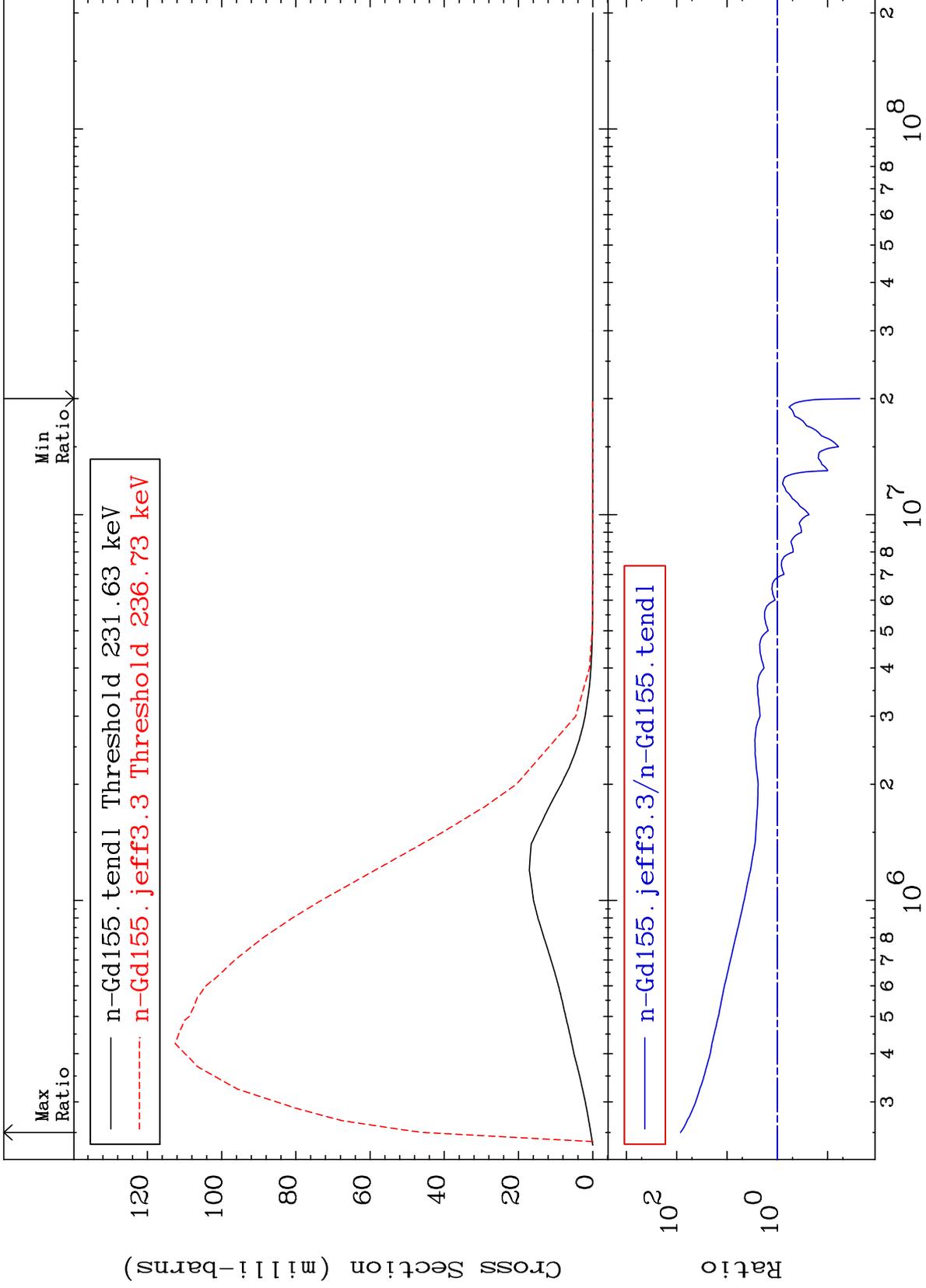
64-Gd-155
-95.25 To 82.38 %



MAT 6434

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

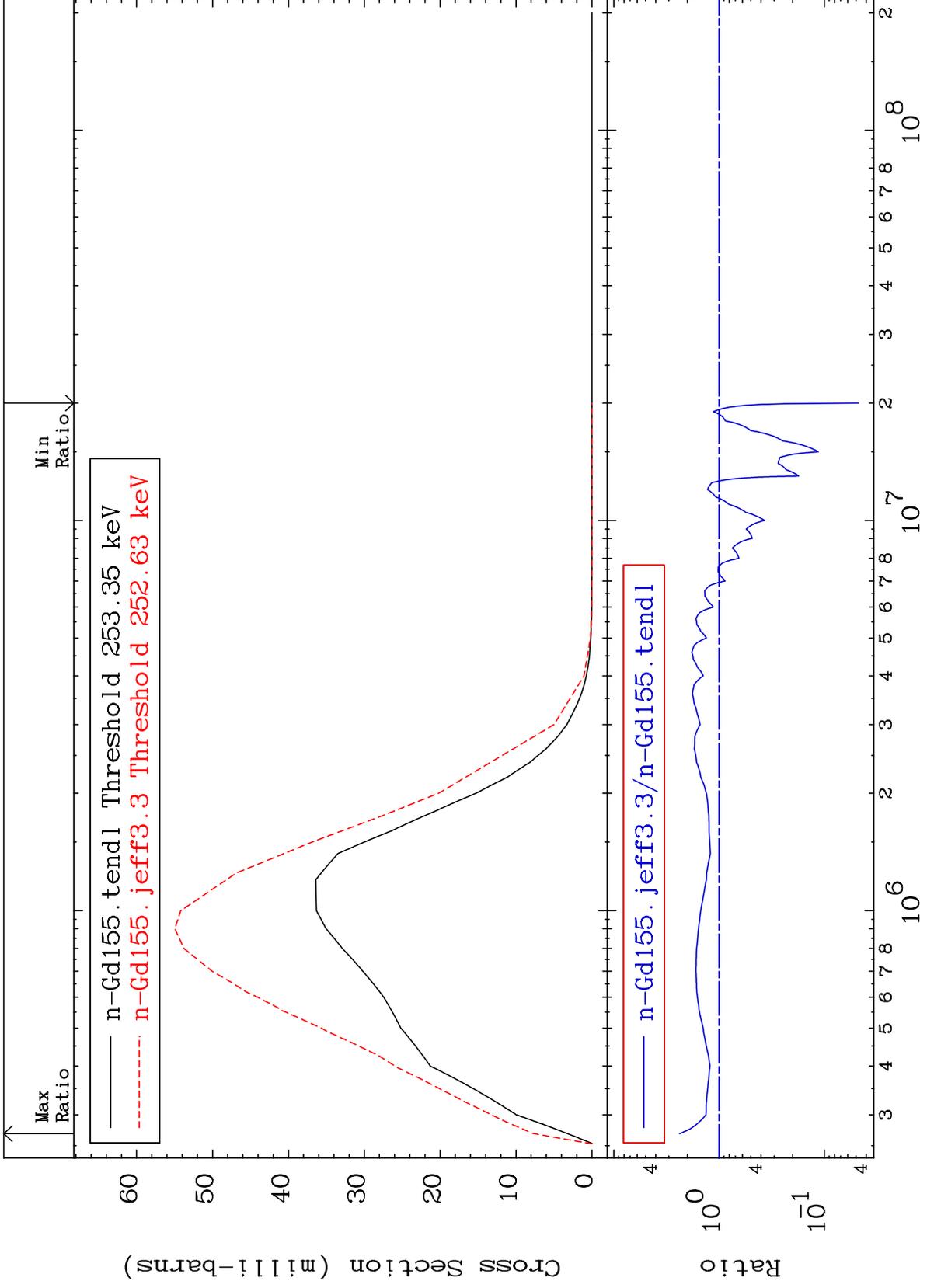
64-Gd-155
-97.70 To 8326. %



MAT 6434

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

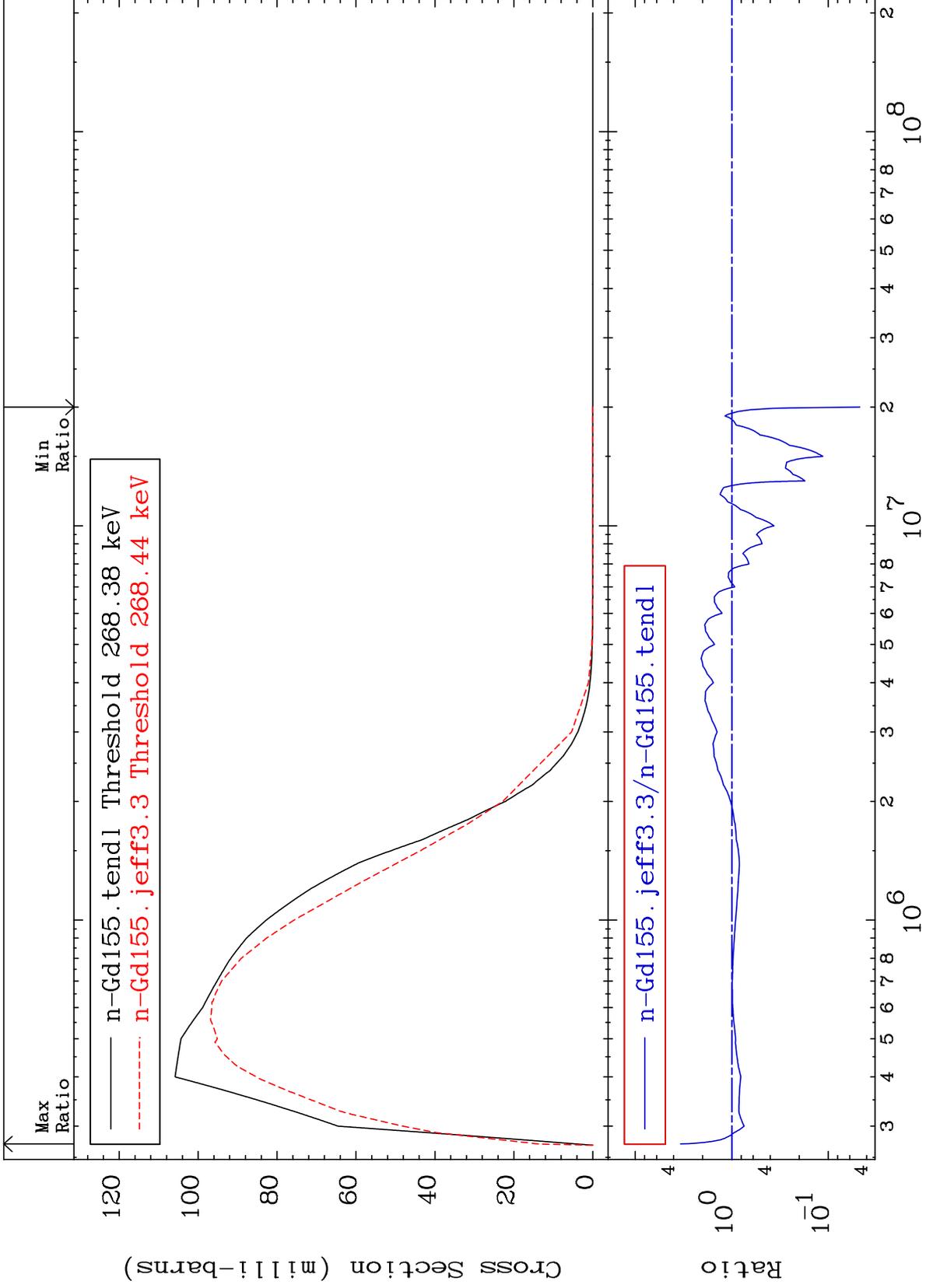
64-Gd-155
-95.27 To 137.6 %



MAT 6434

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

64-Gd-155
-95.28 To 239.3 %



14

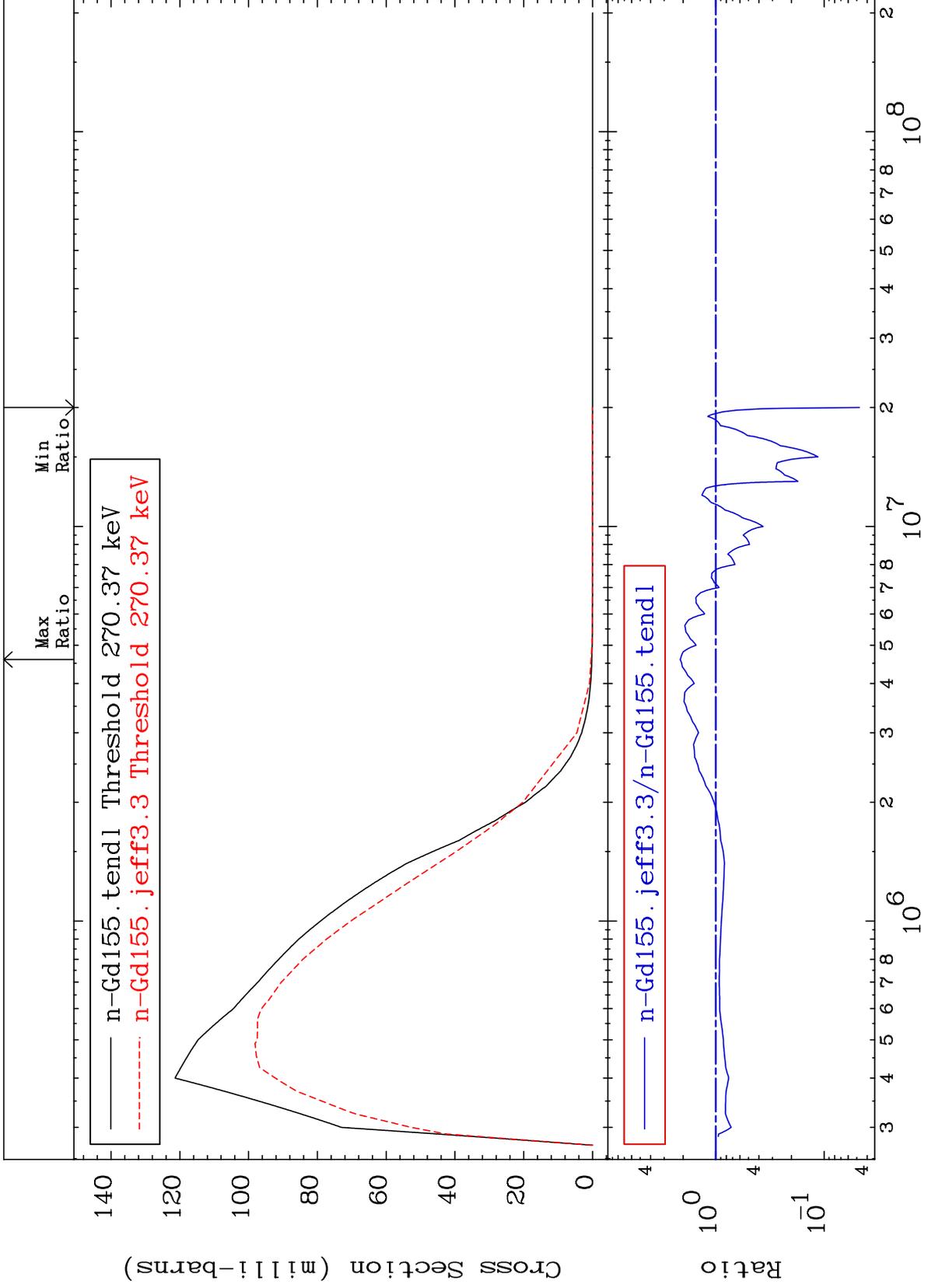
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-95.29 To 112.8 %



15

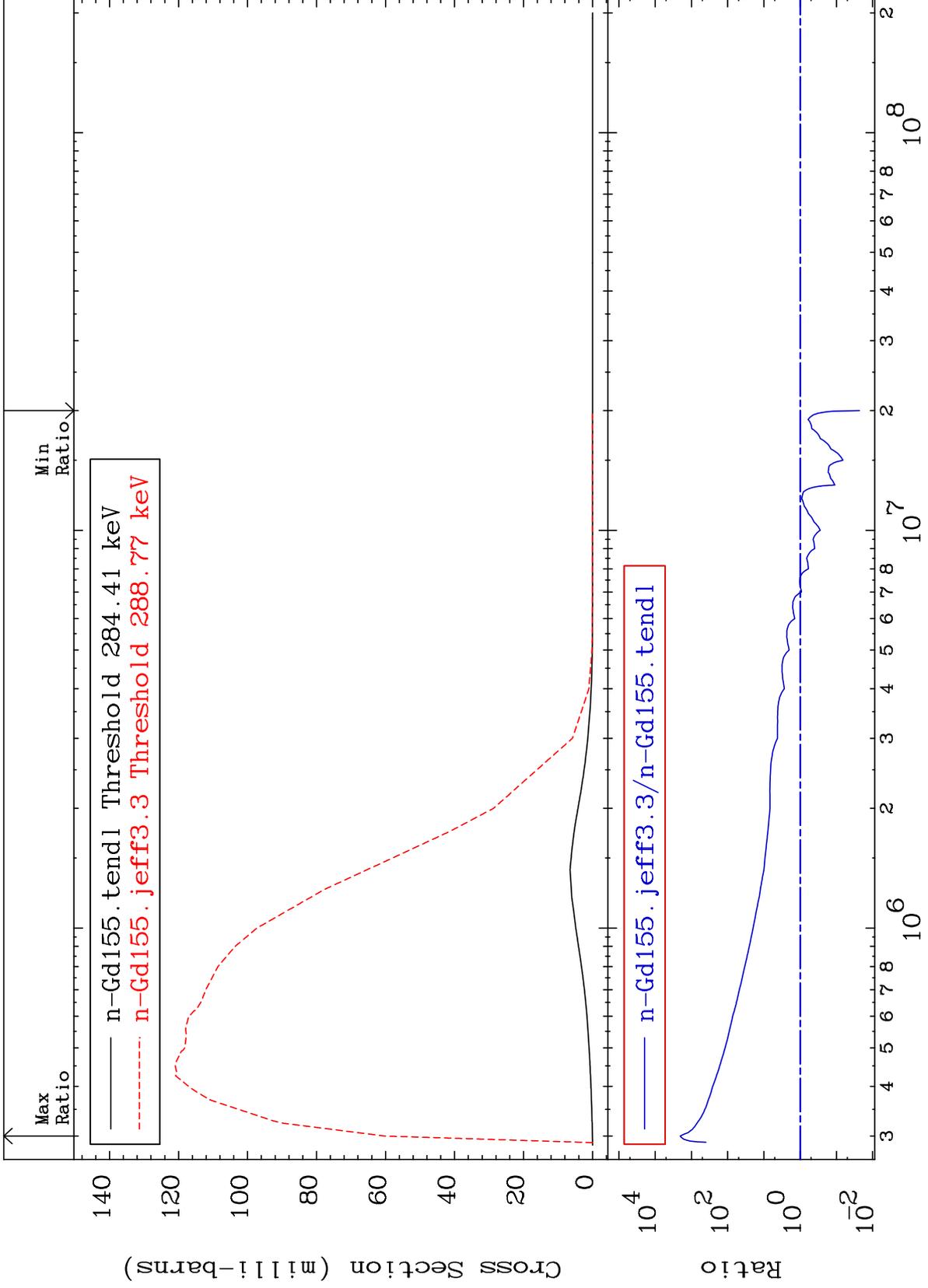
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-97.69 To 9999. %



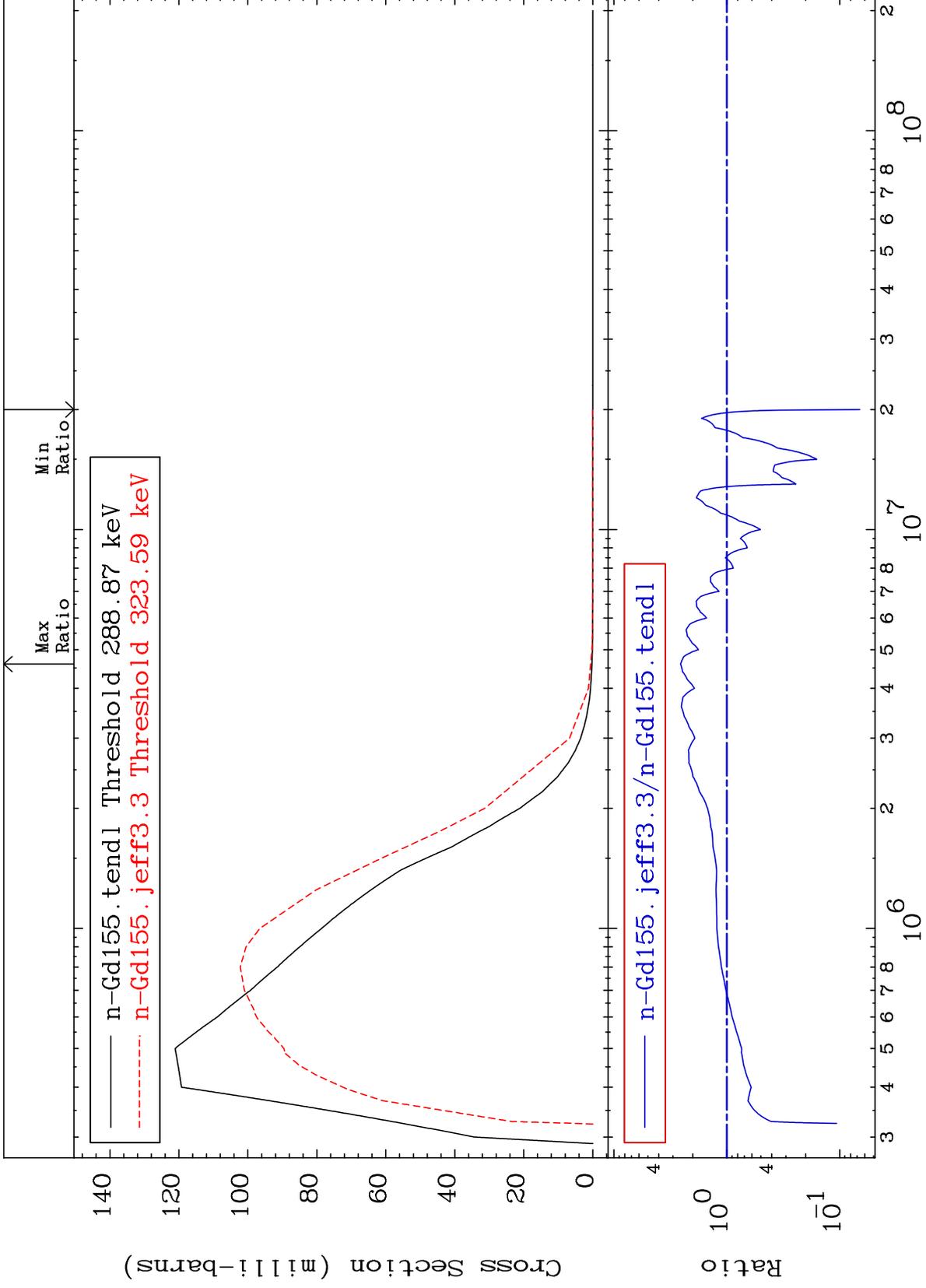
16

64-Gd-155

MAT 6434

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

64-Gd-155
-93.36 To 156.8 %



17

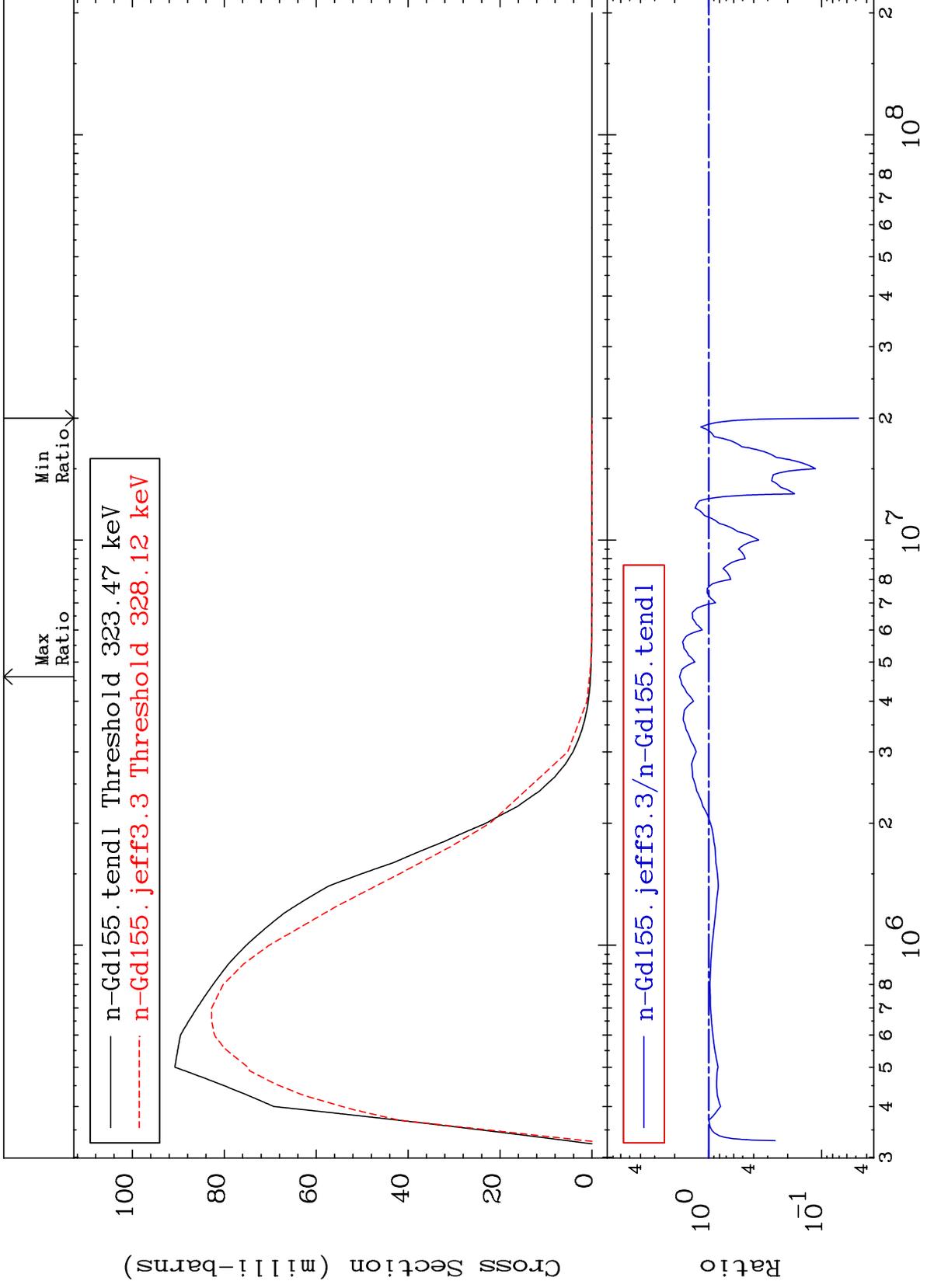
Incident Energy (eV)

64-Gd-155

MAT 6434

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

64-Gd-155
-95.28 To 80.85 %



18

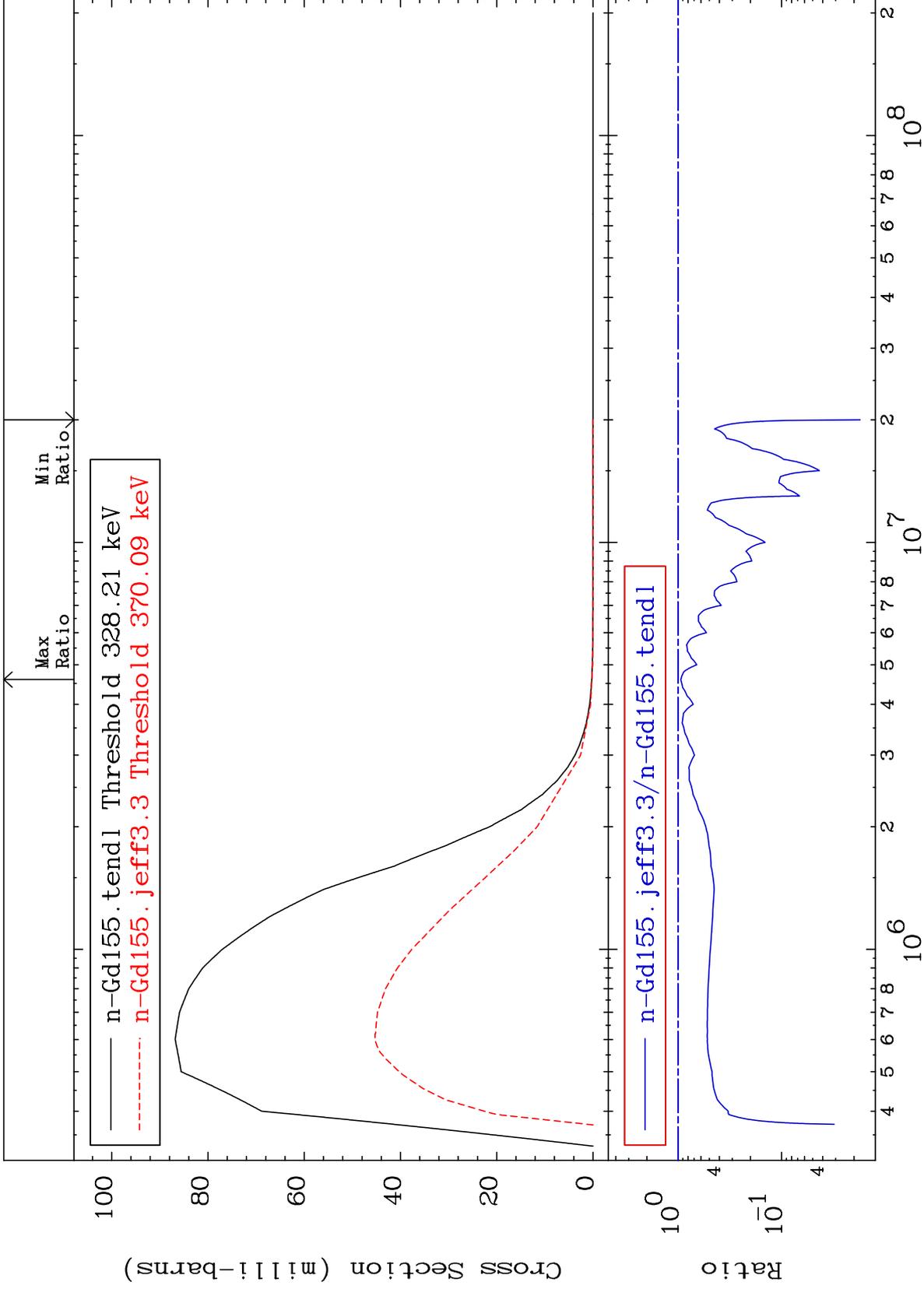
Incident Energy (eV)

64-Gd-155

MAT 6434

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

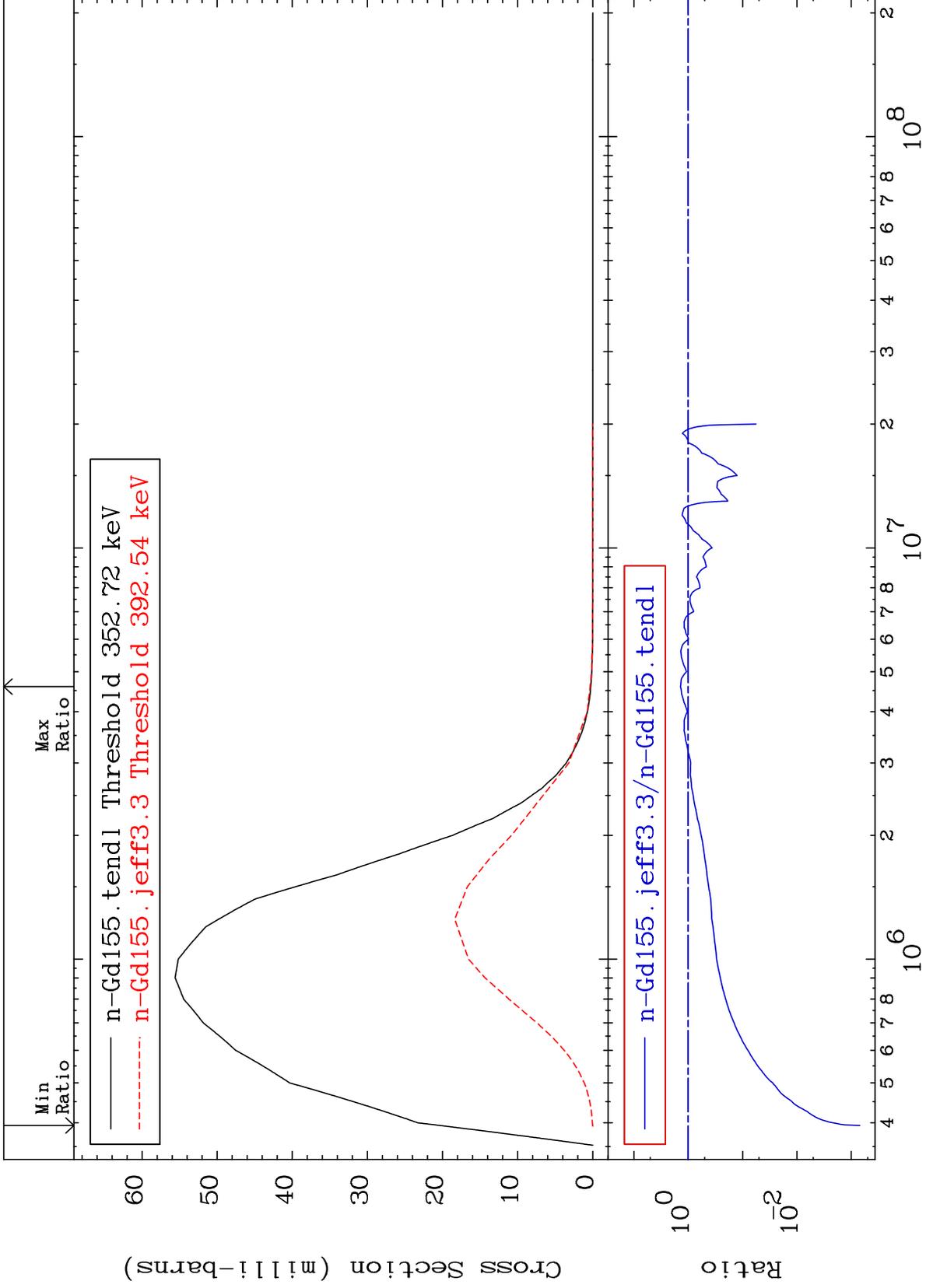
64-Gd-155
-98.26 To -5.776%



MAT 6434

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

64-Gd-155
-99.93 To 38.72 %



20

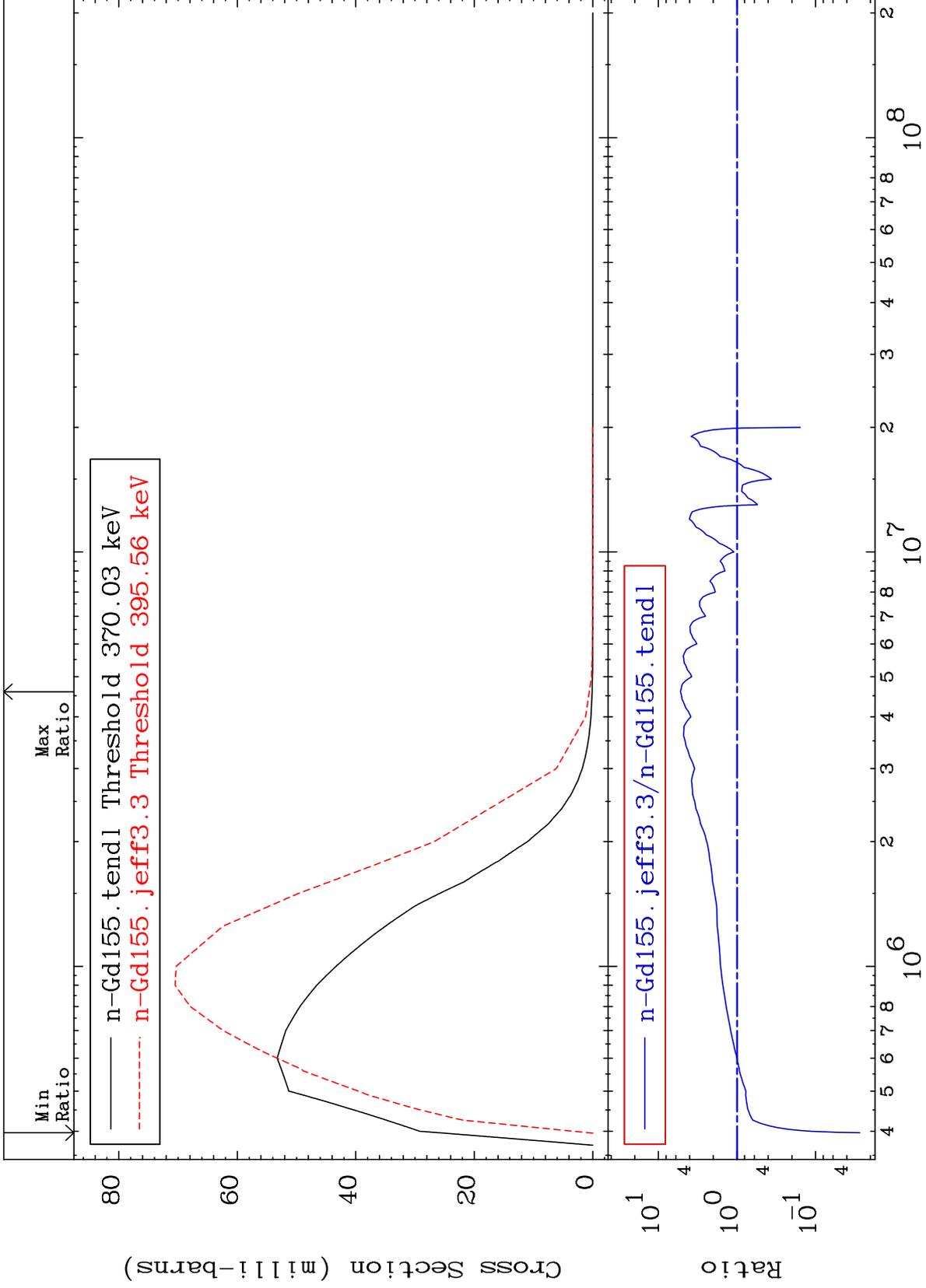
Incident Energy (eV)

64-Gd-155

MAT 6434

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

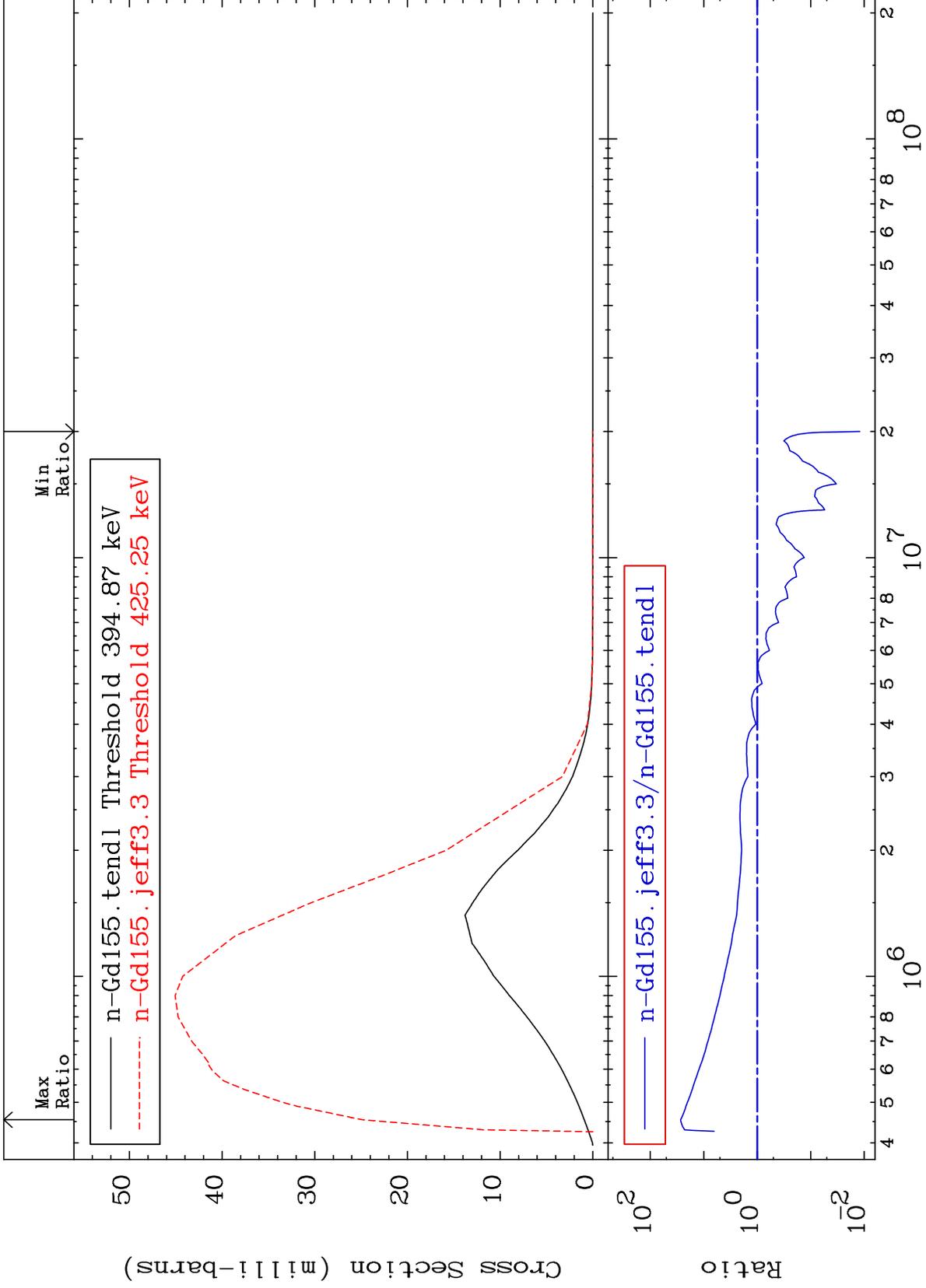
64-Gd-155
-97.27 To 423.3 %



MAT 6434

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

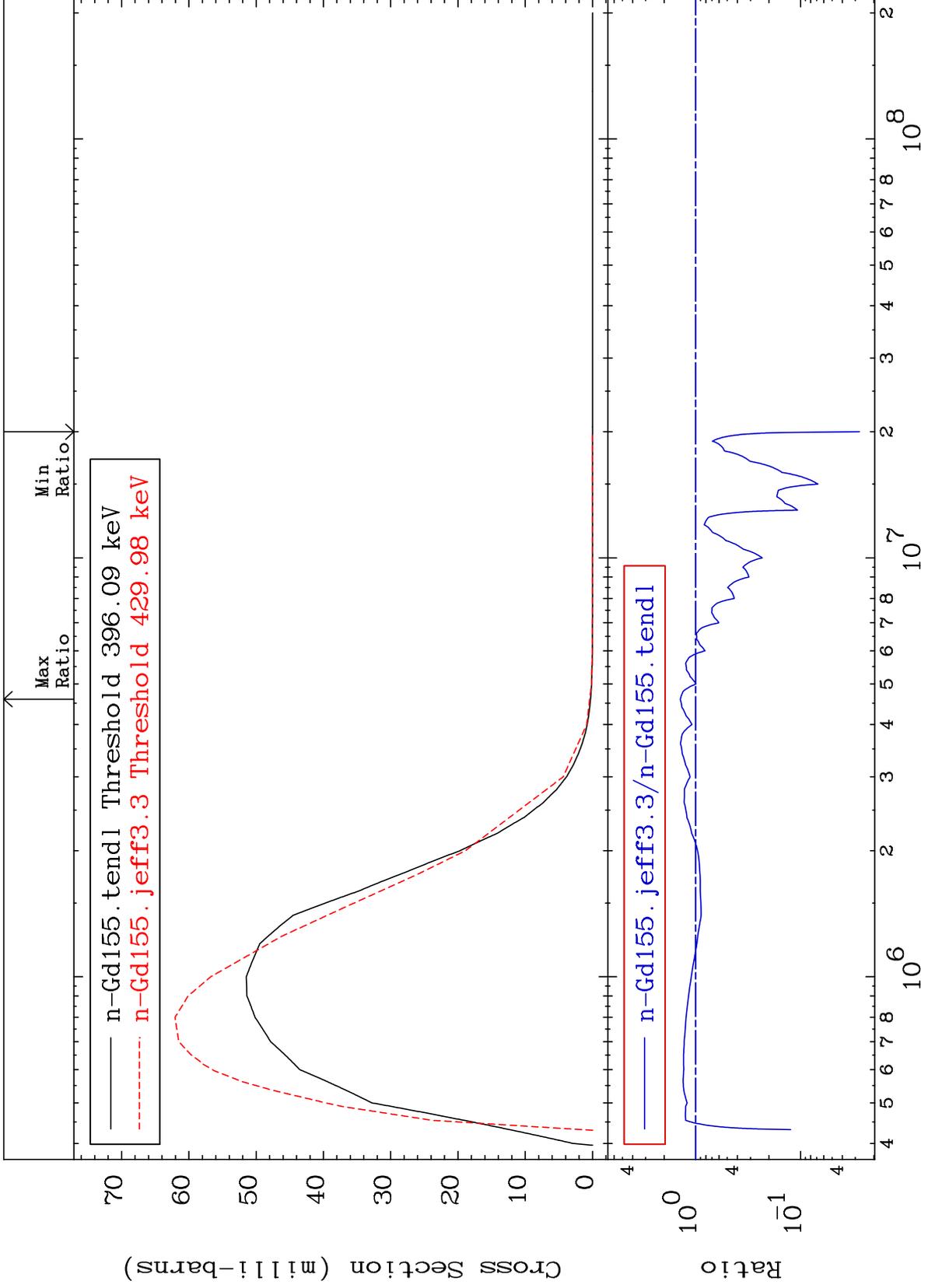
64-Gd-155
-98.79 To 2619. %



MAT 6434

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

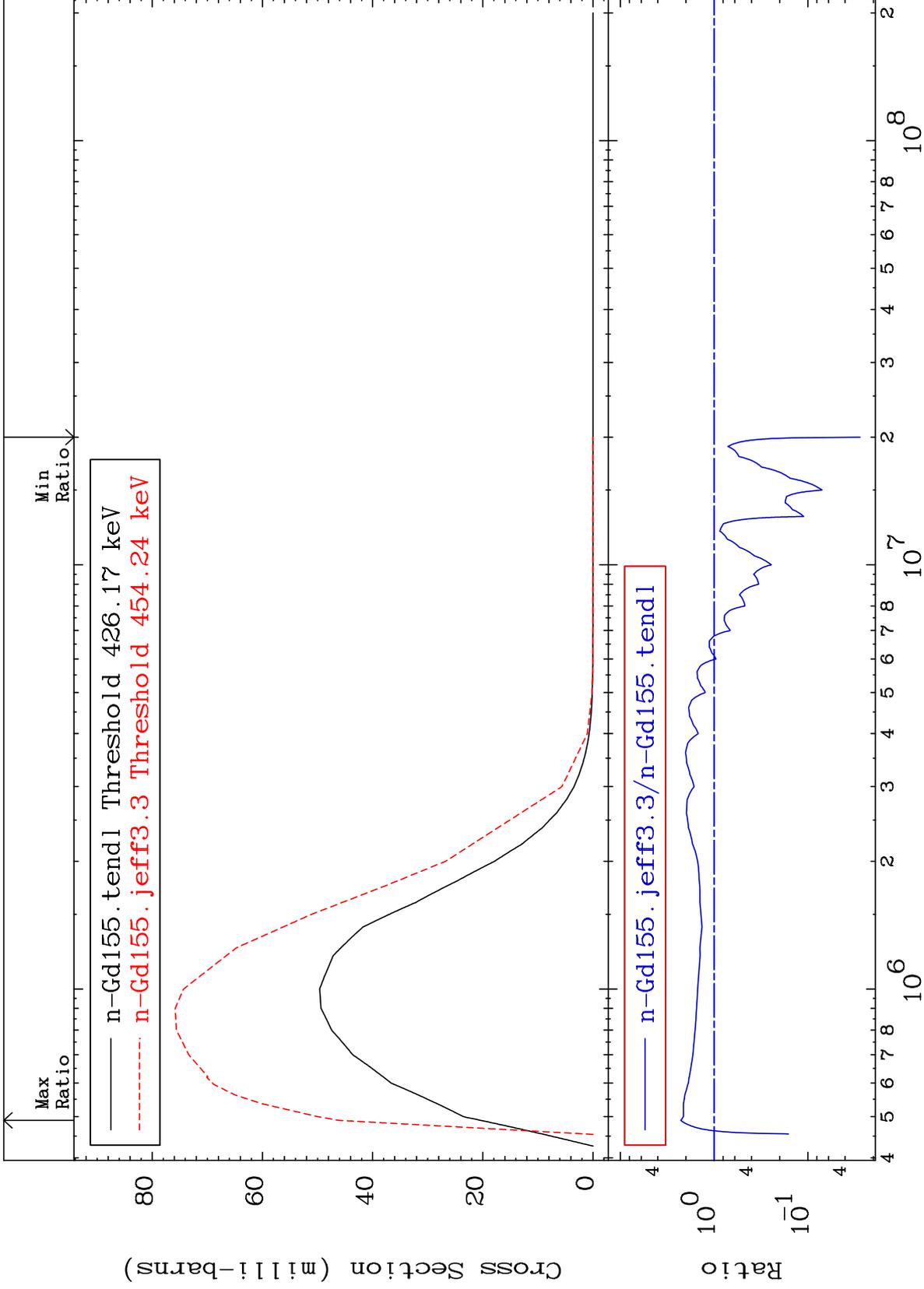
64-Gd-155
-97.26 To 40.35 %



MAT 6434

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

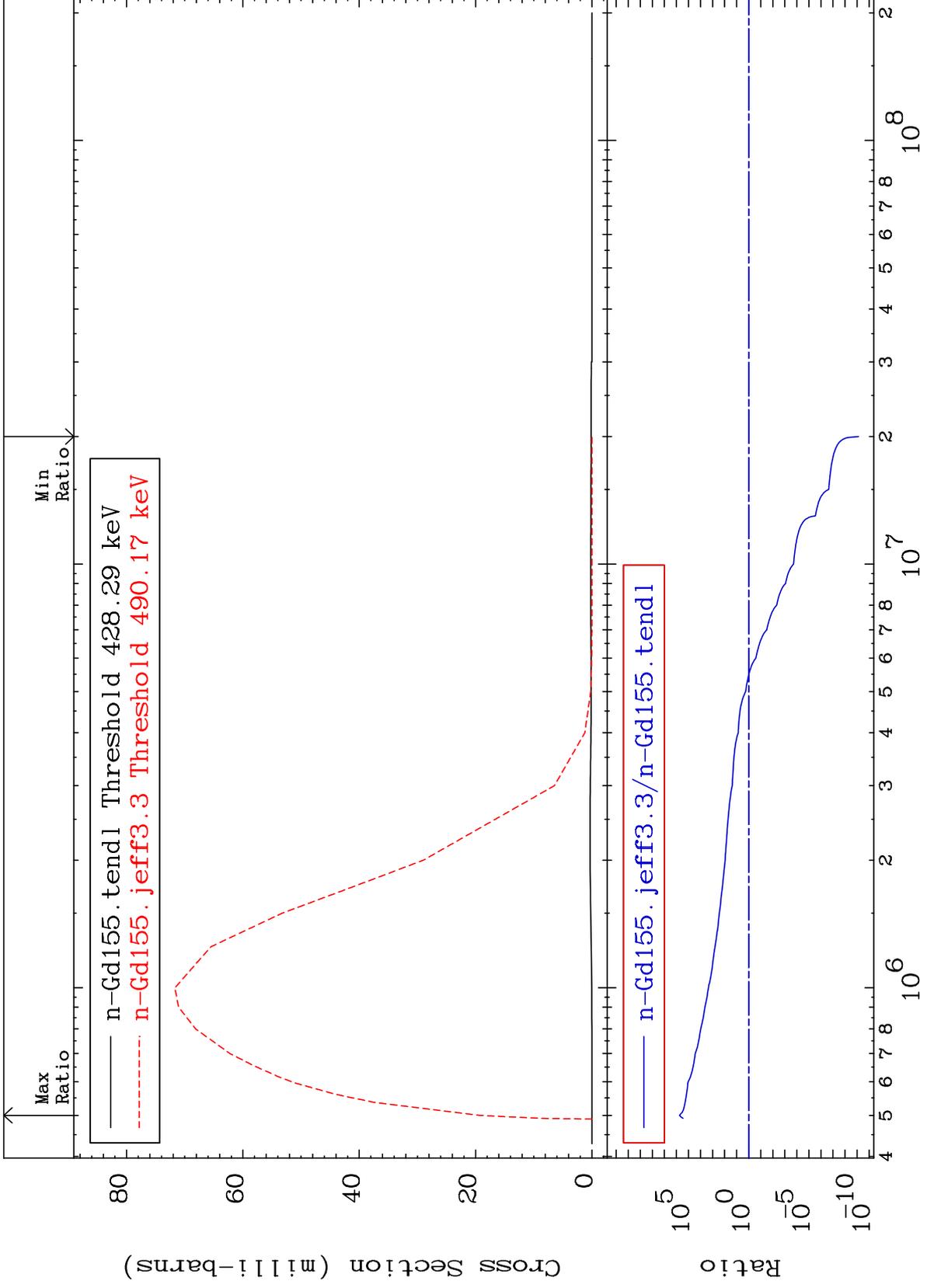
64-Gd-155
-97.23 To 126.8 %



MAT 6434

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

64-Gd-155
-100.0 To 9999. %



25

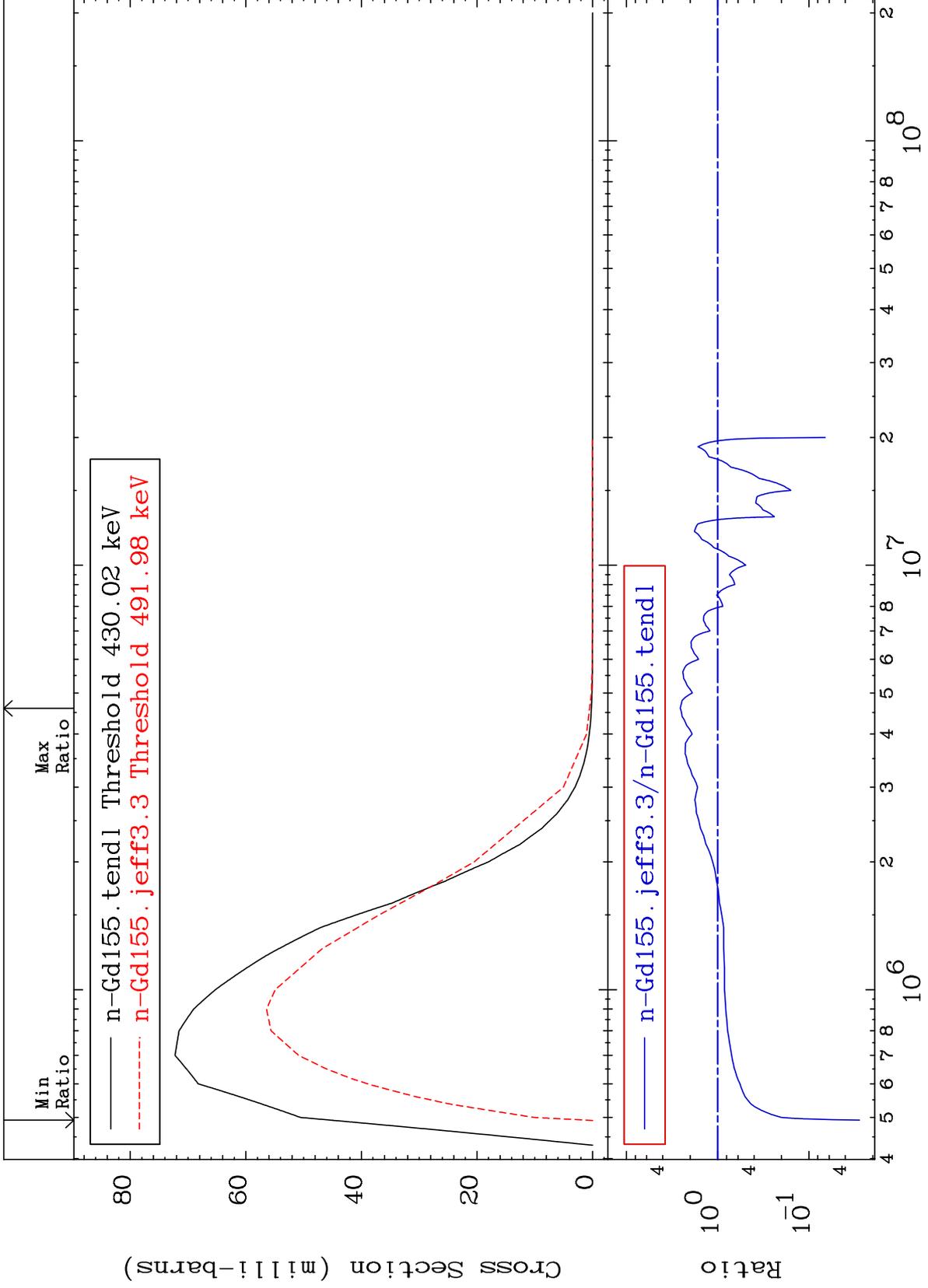
Incident Energy (eV)

64-Gd-155

MAT 6434

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

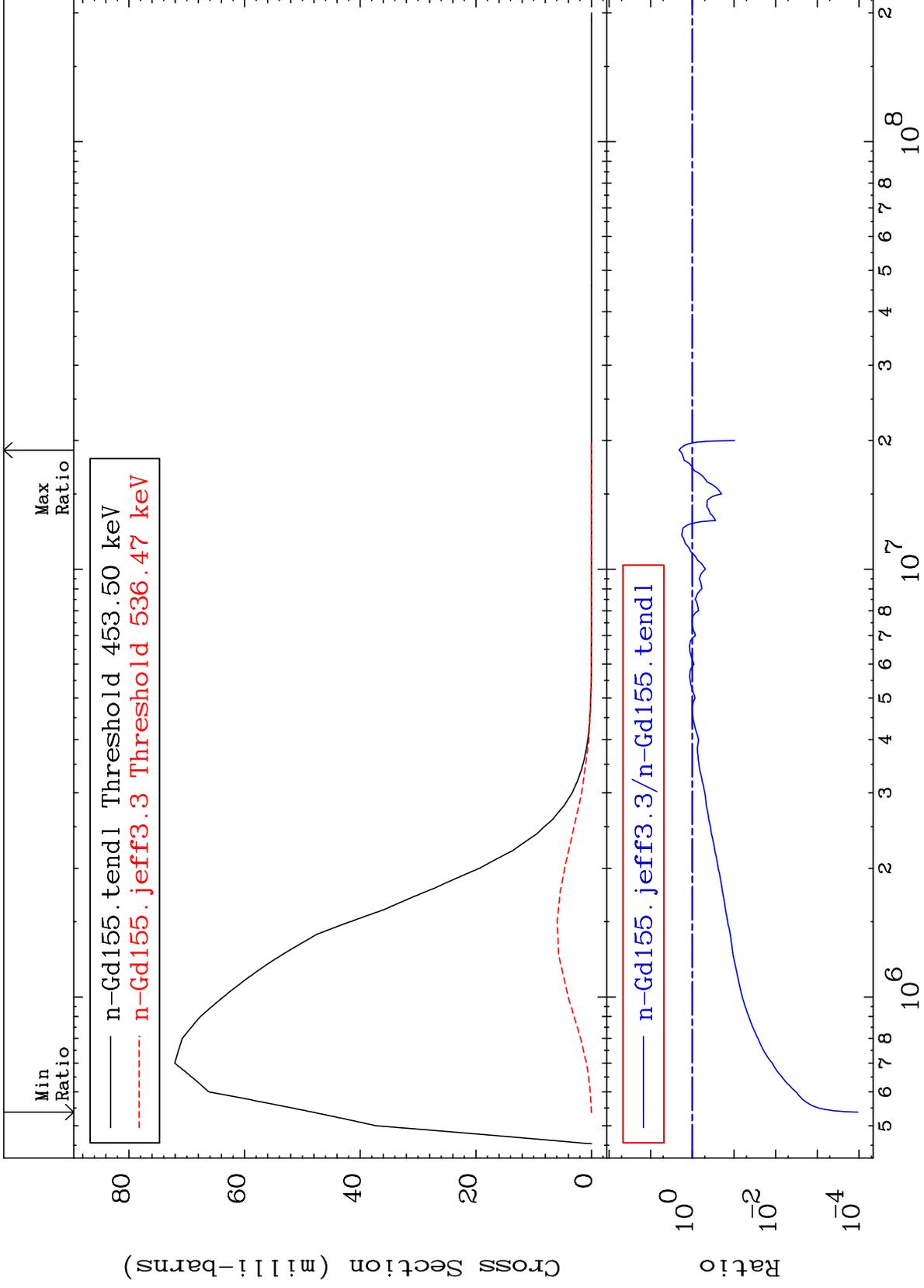
64-Gd-155
-97.20 To 157.2 %



MAT 6434

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

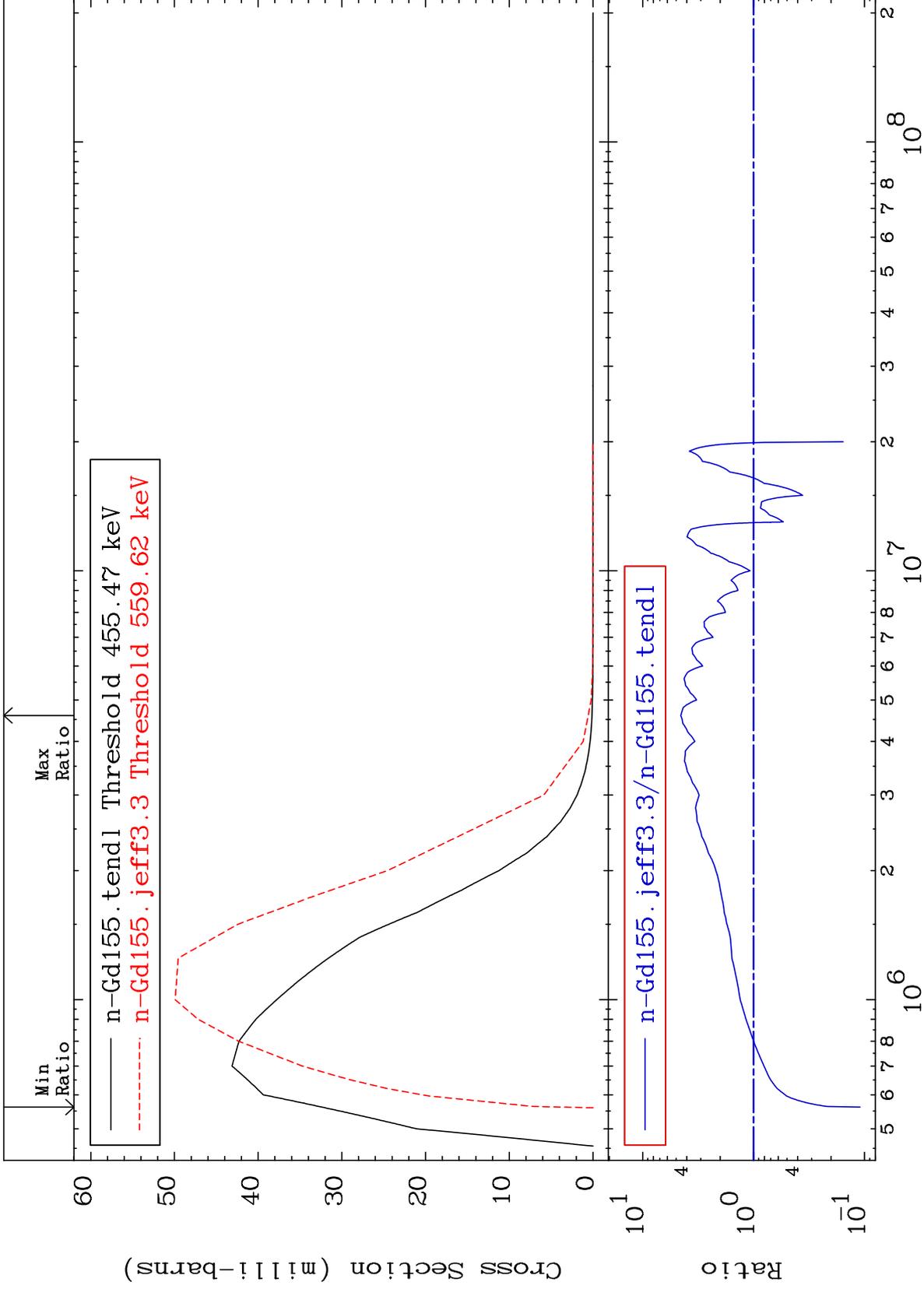
64-Gd-155
-99.99 To 108.4 %



MAT 6434

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

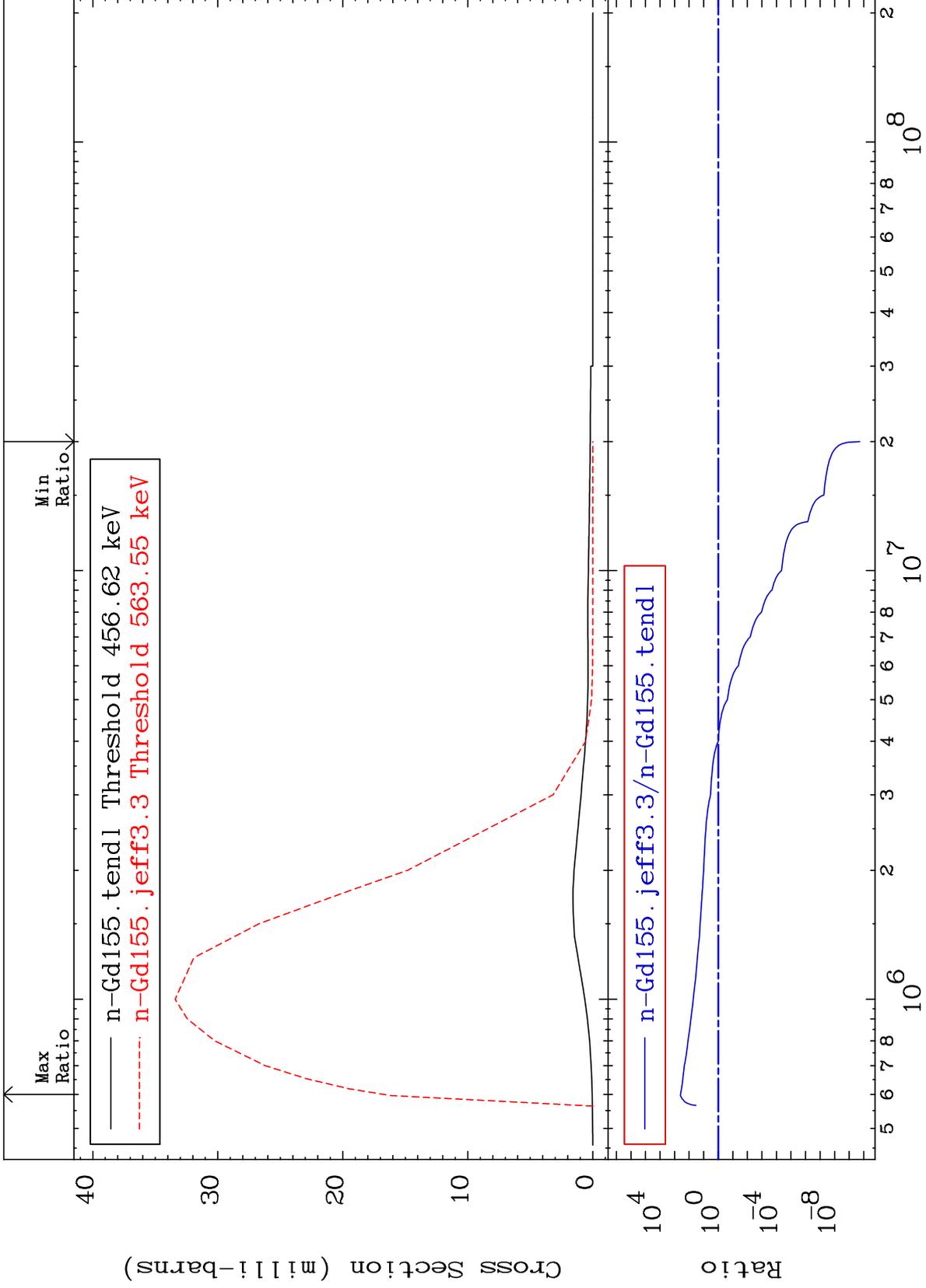
64-Gd-155
-89.03 To 353.5 %



MAT 6434

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

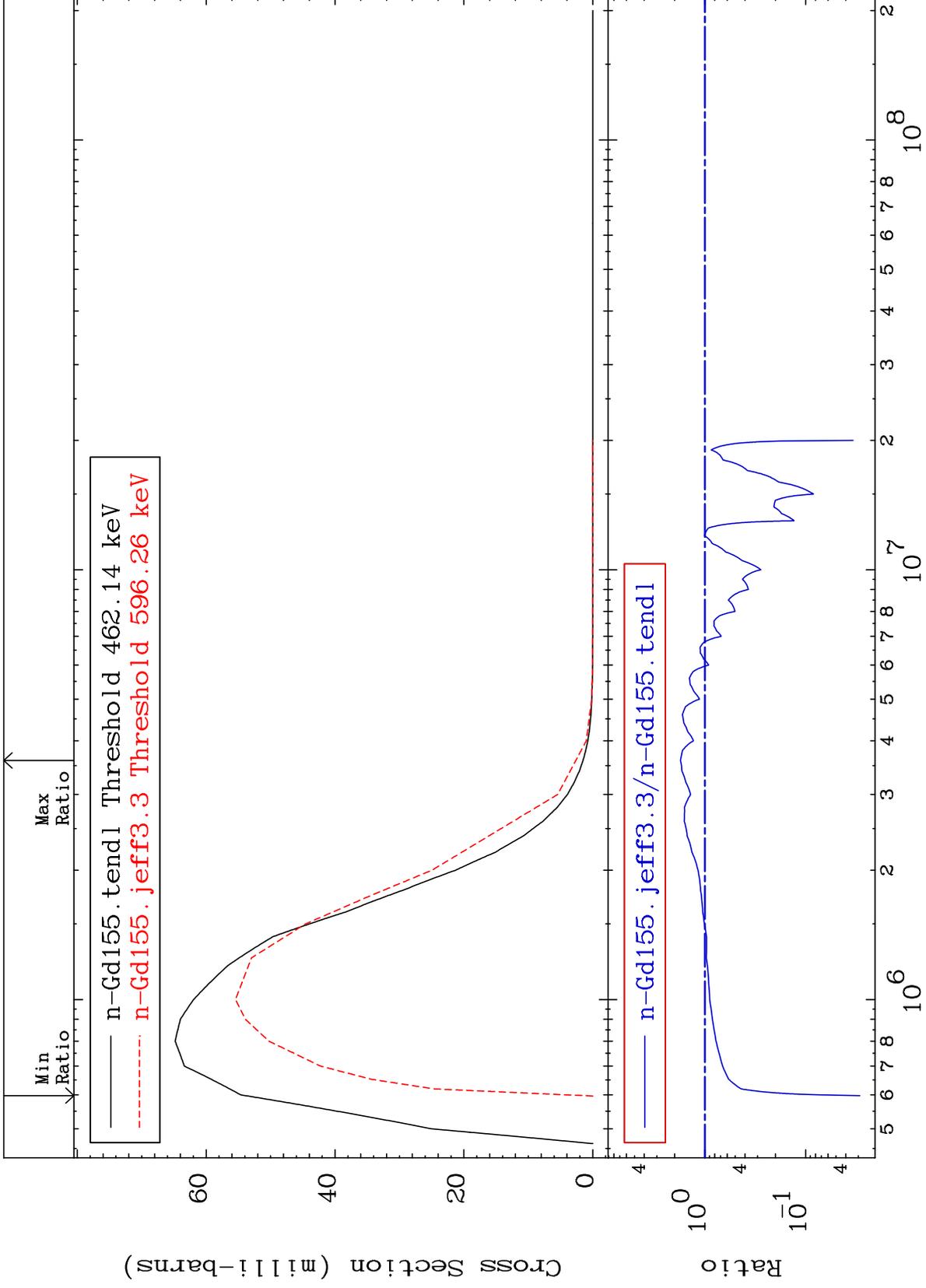
64-Gd-155
-100.0 To 9999. %



MAT 6434

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

64-Gd-155
-97.09 To 74.56 %



30

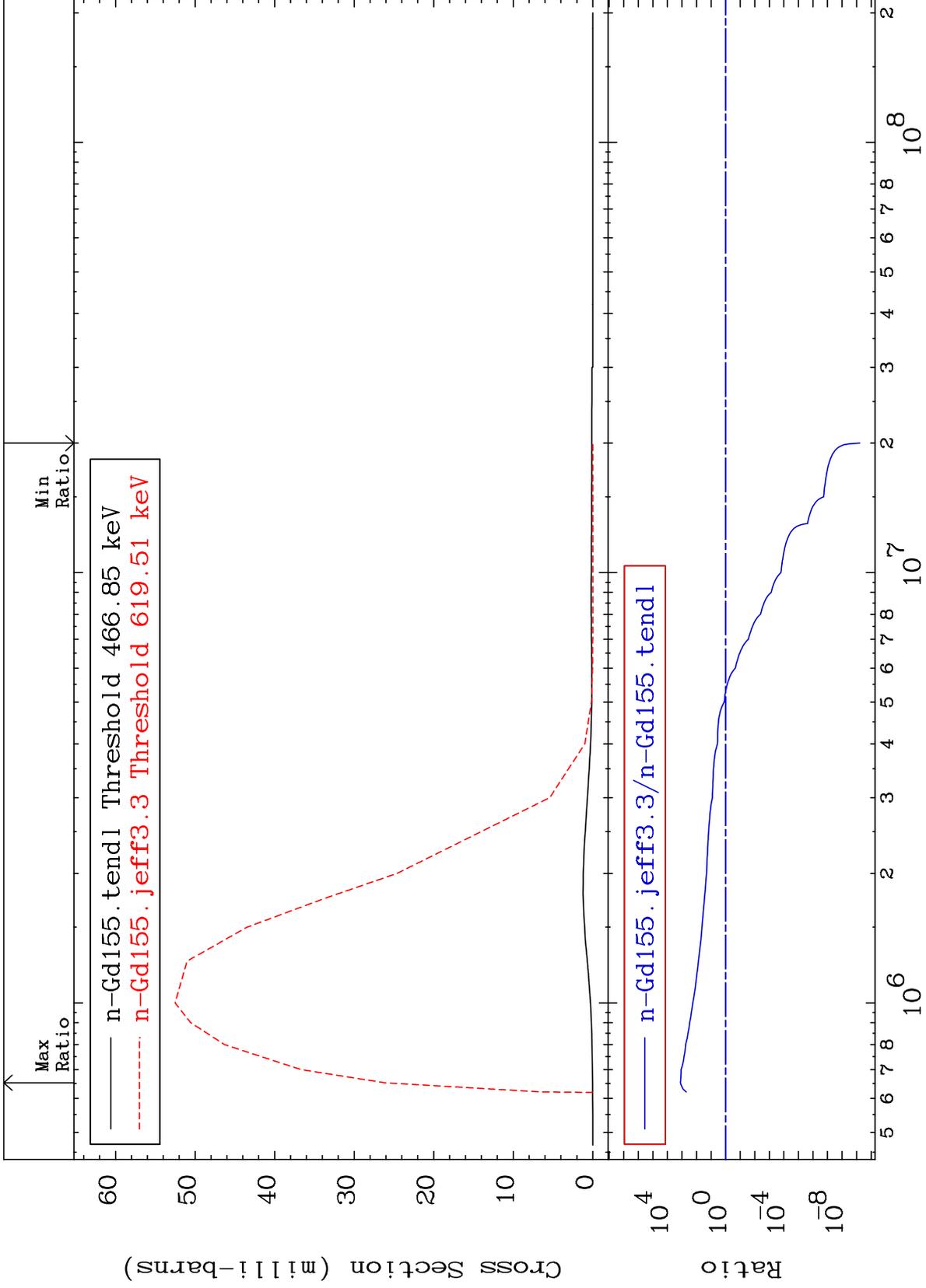
Incident Energy (eV)

64-Gd-155

MAT 6434

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

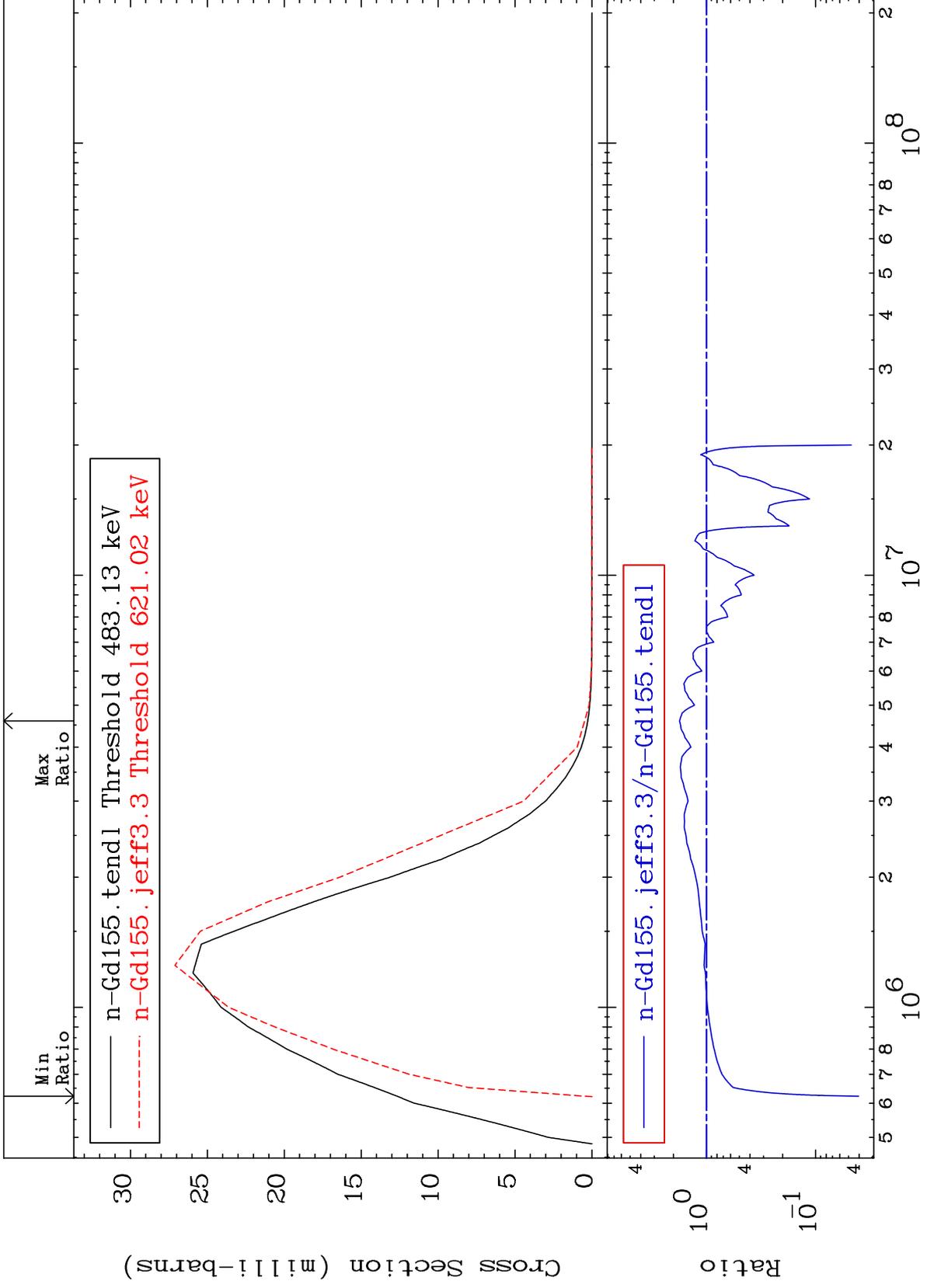
64-Gd-155
-100.0 To 9999. %



MAT 6434

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

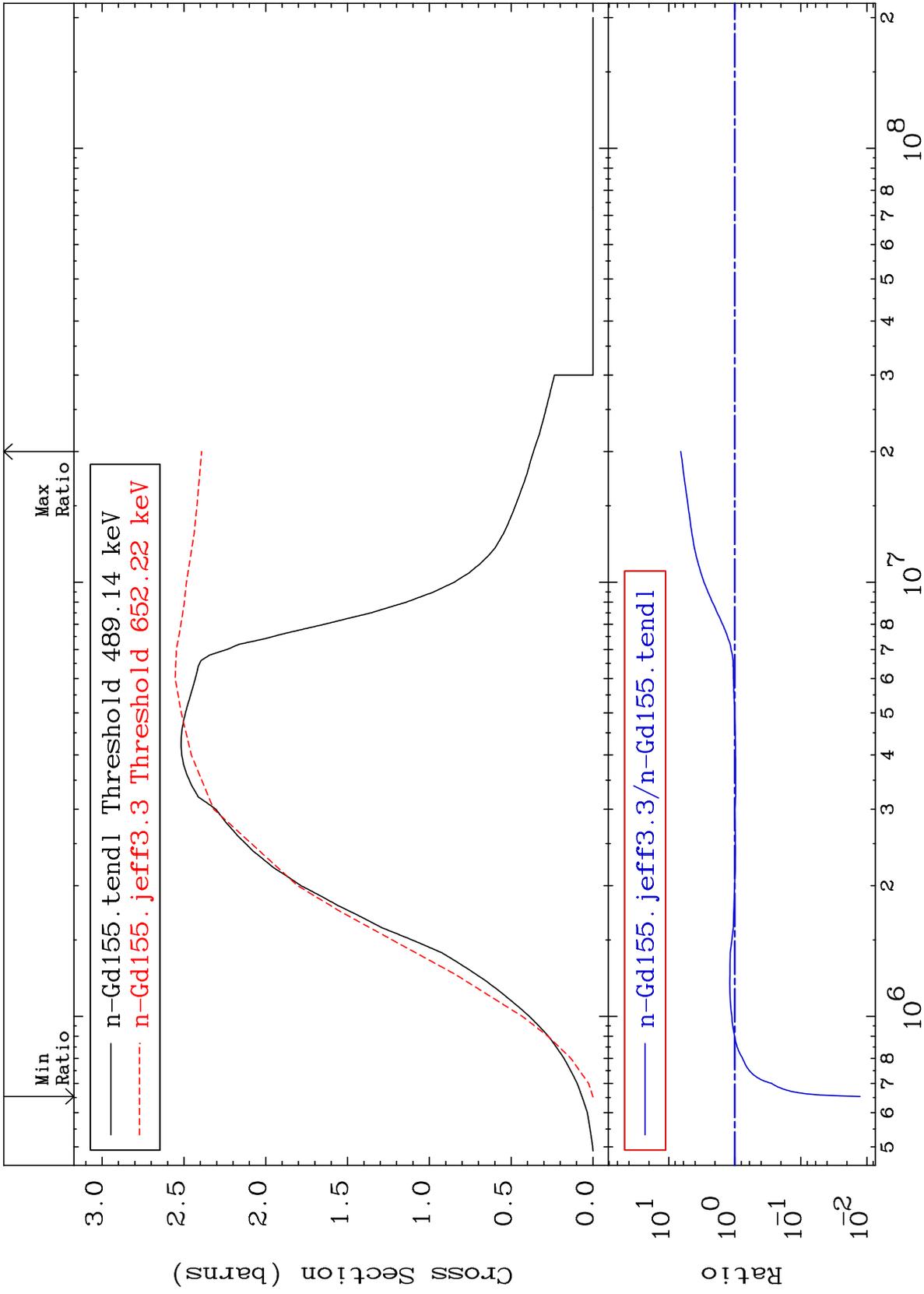
64-Gd-155
-95.96 To 76.12 %



MAT 6434

(n, n') Continuum
Cross Section

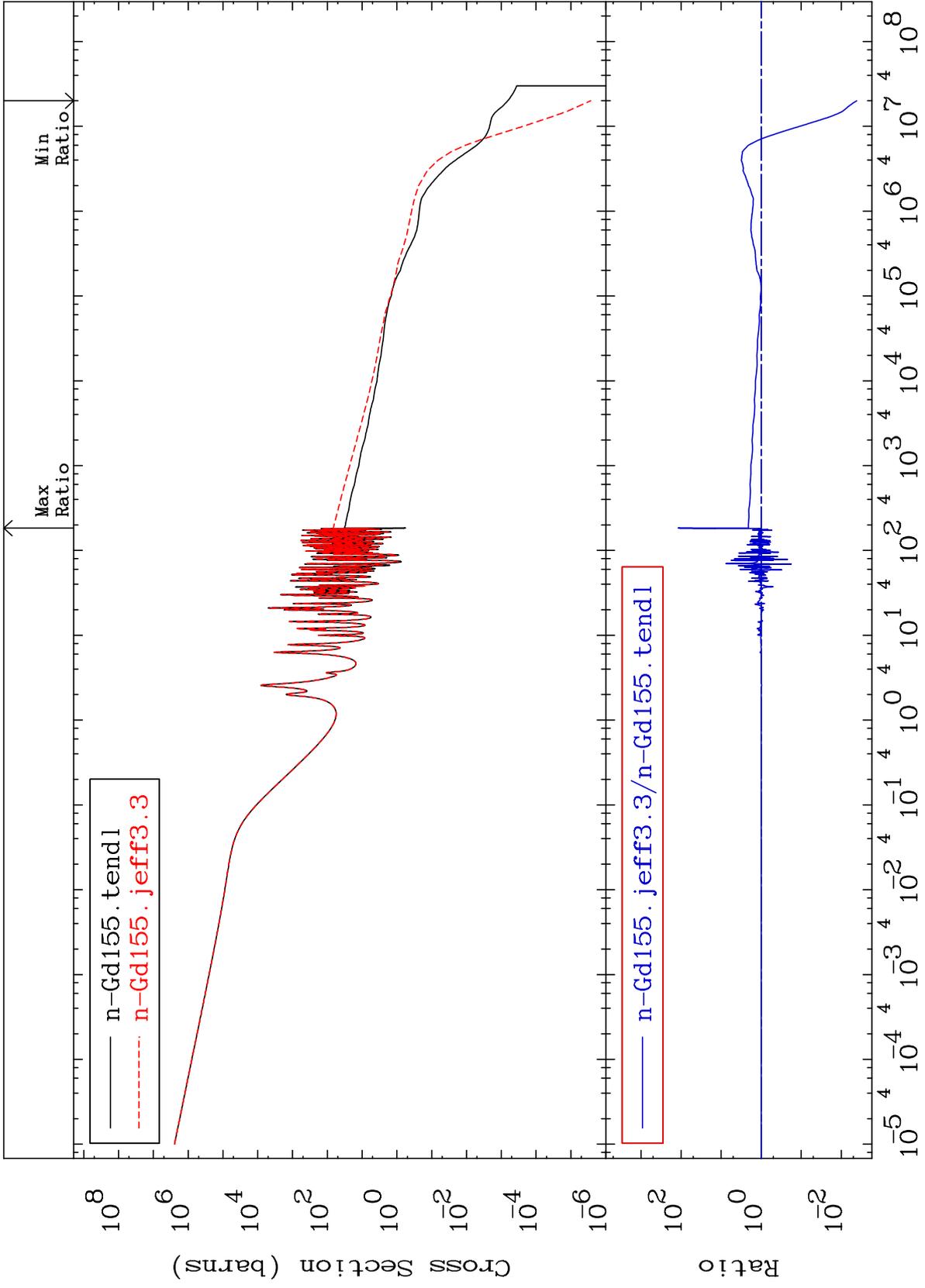
64-Gd-155
-98.73 To 558.3 %



MAT 6434

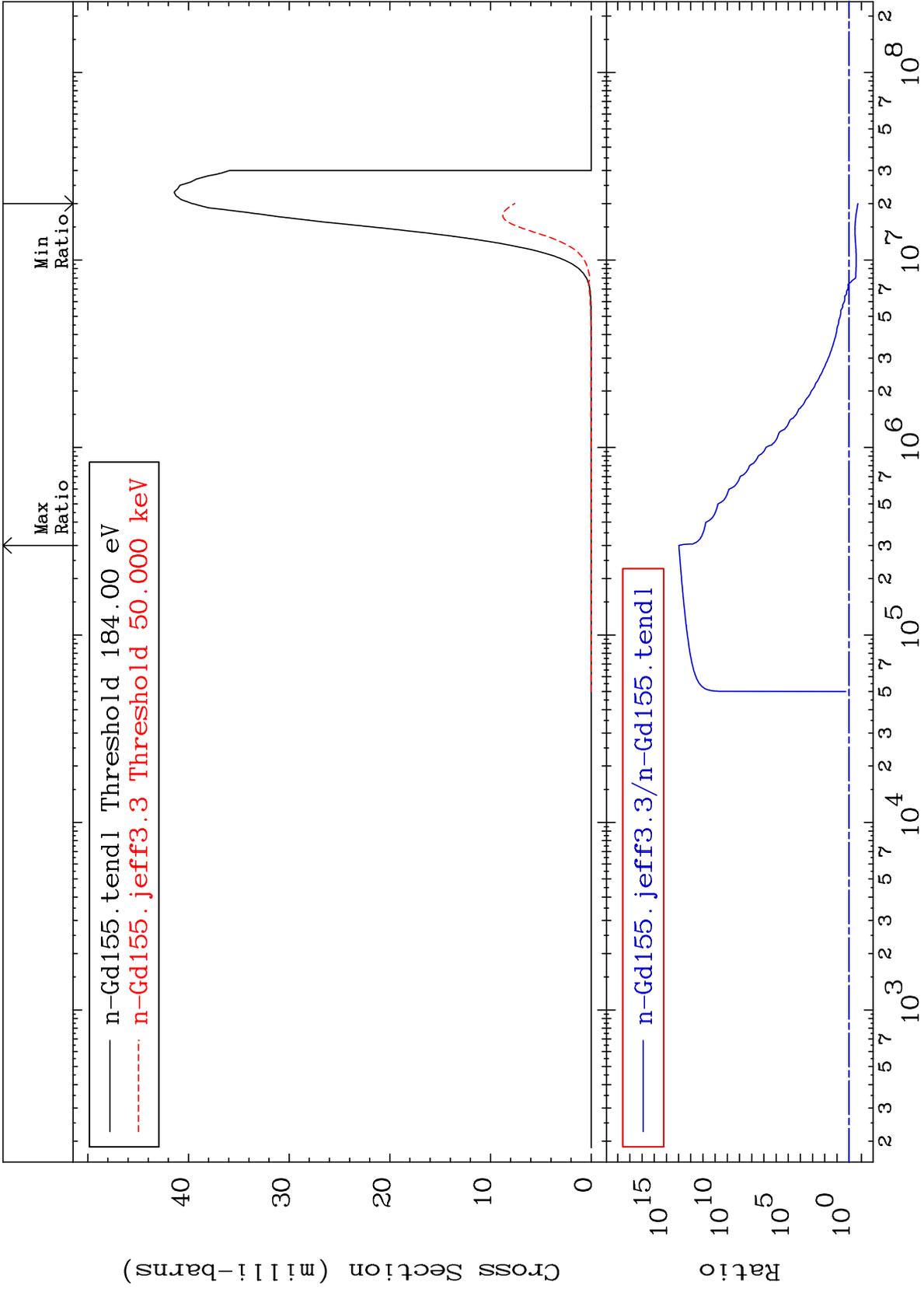
(n, γ)
Cross Section

64-Gd-155
-99.59 To 9999. %



MAT 6434

(n,p)
Cross Section
64-Gd-155
-80.83 To 9999. %



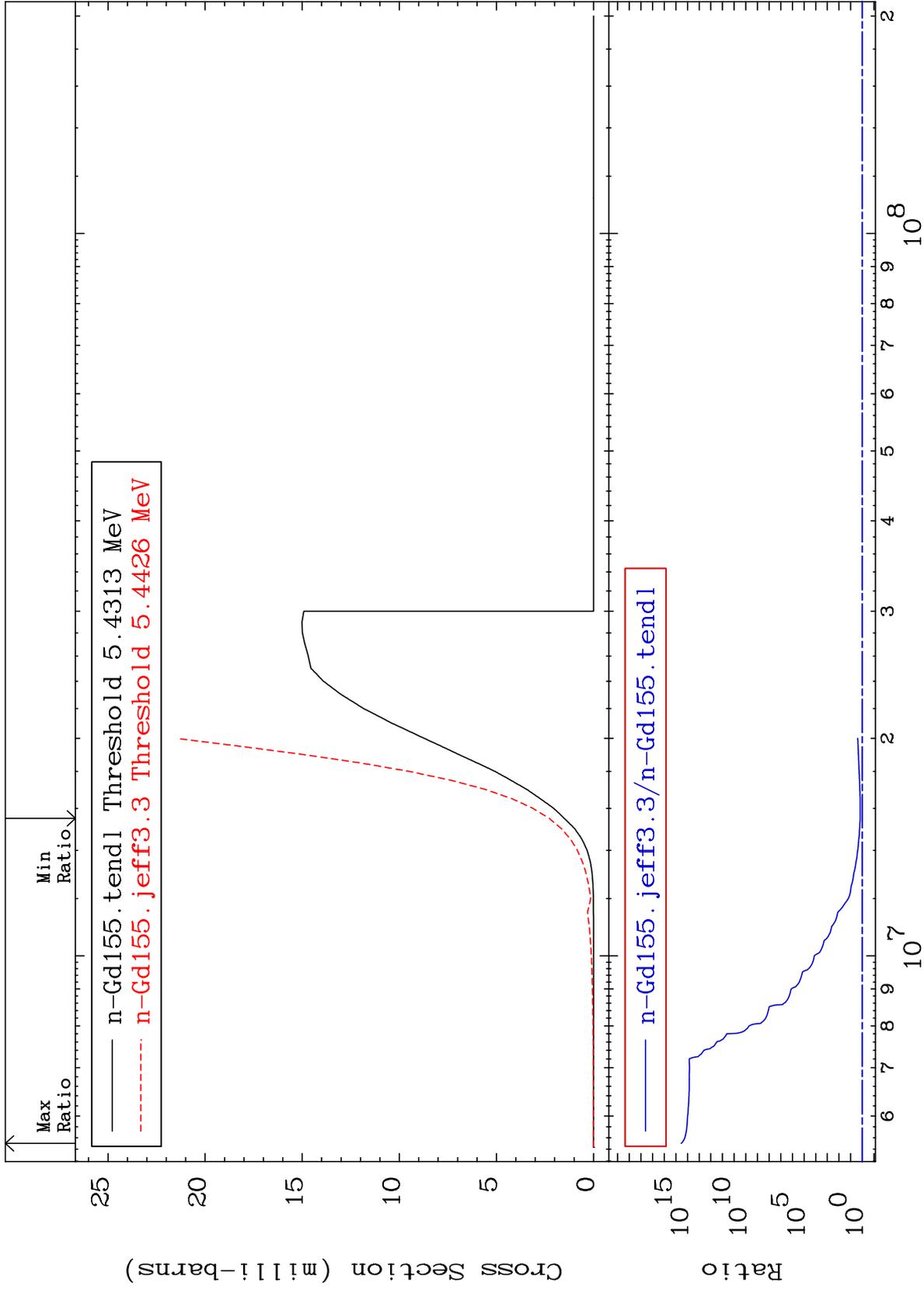
MAT 6434

(n, d)

64-Gd-155

Cross Section

51.66 To 9999. %



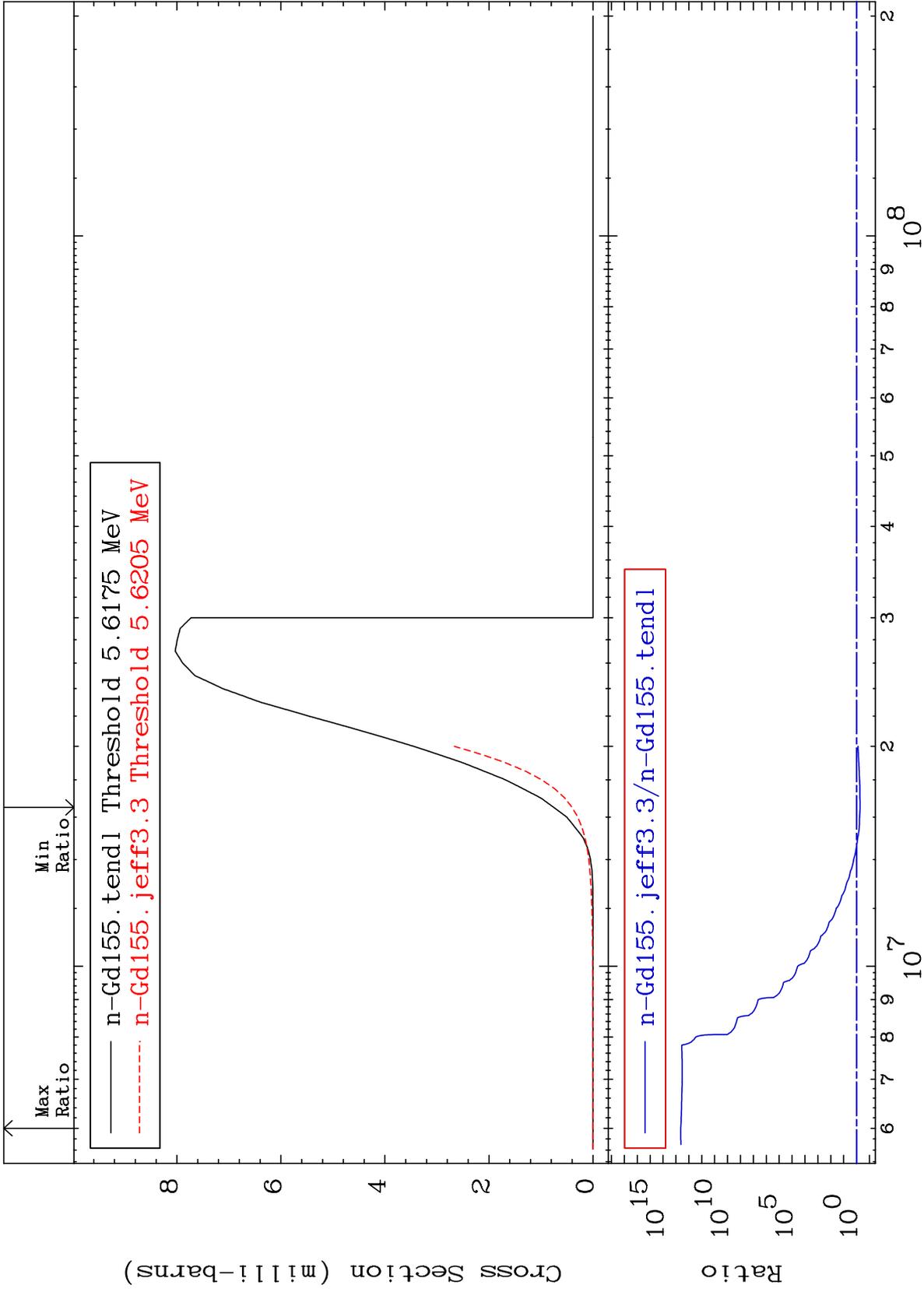
MAT 6434

(n, t)

64-Gd-155

Cross Section

-46.83 To 9999. %



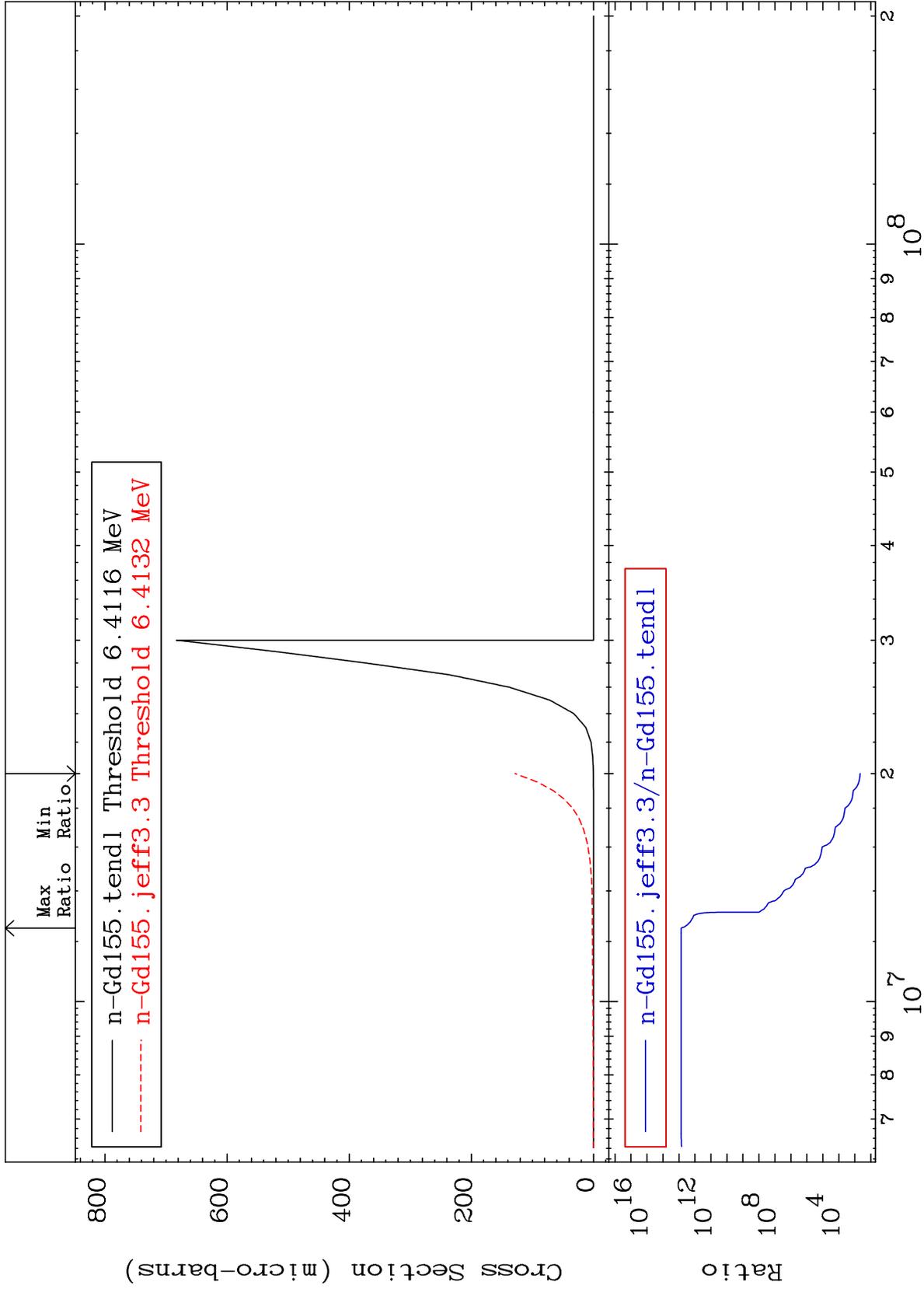
MAT 6434

(n, He-3)

64-Gd-155

Cross Section

9999. To 9999. %



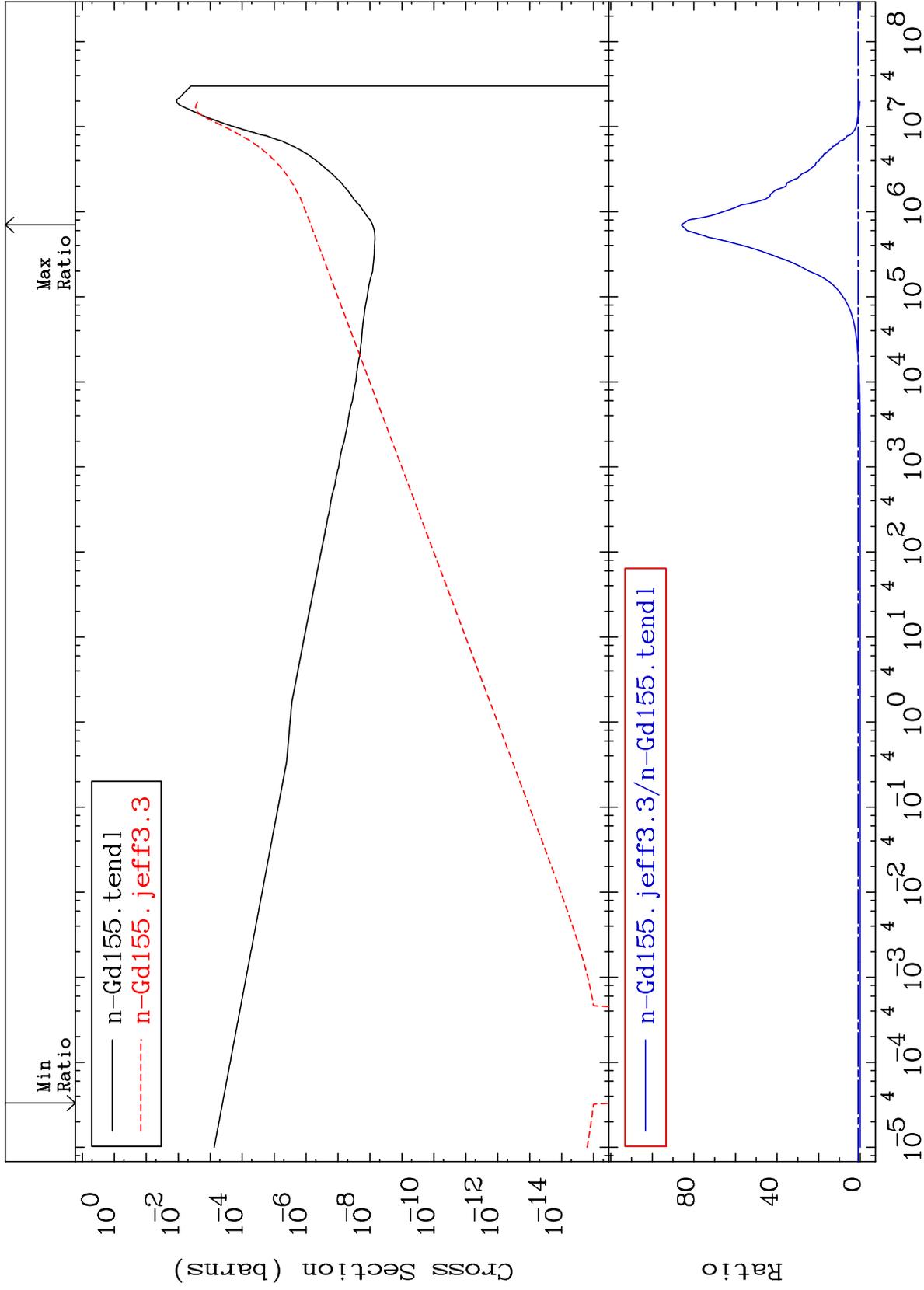
MAT 6434

(n, α)

64-Gd-155

Cross Section

-100.0 To 8510. %



39

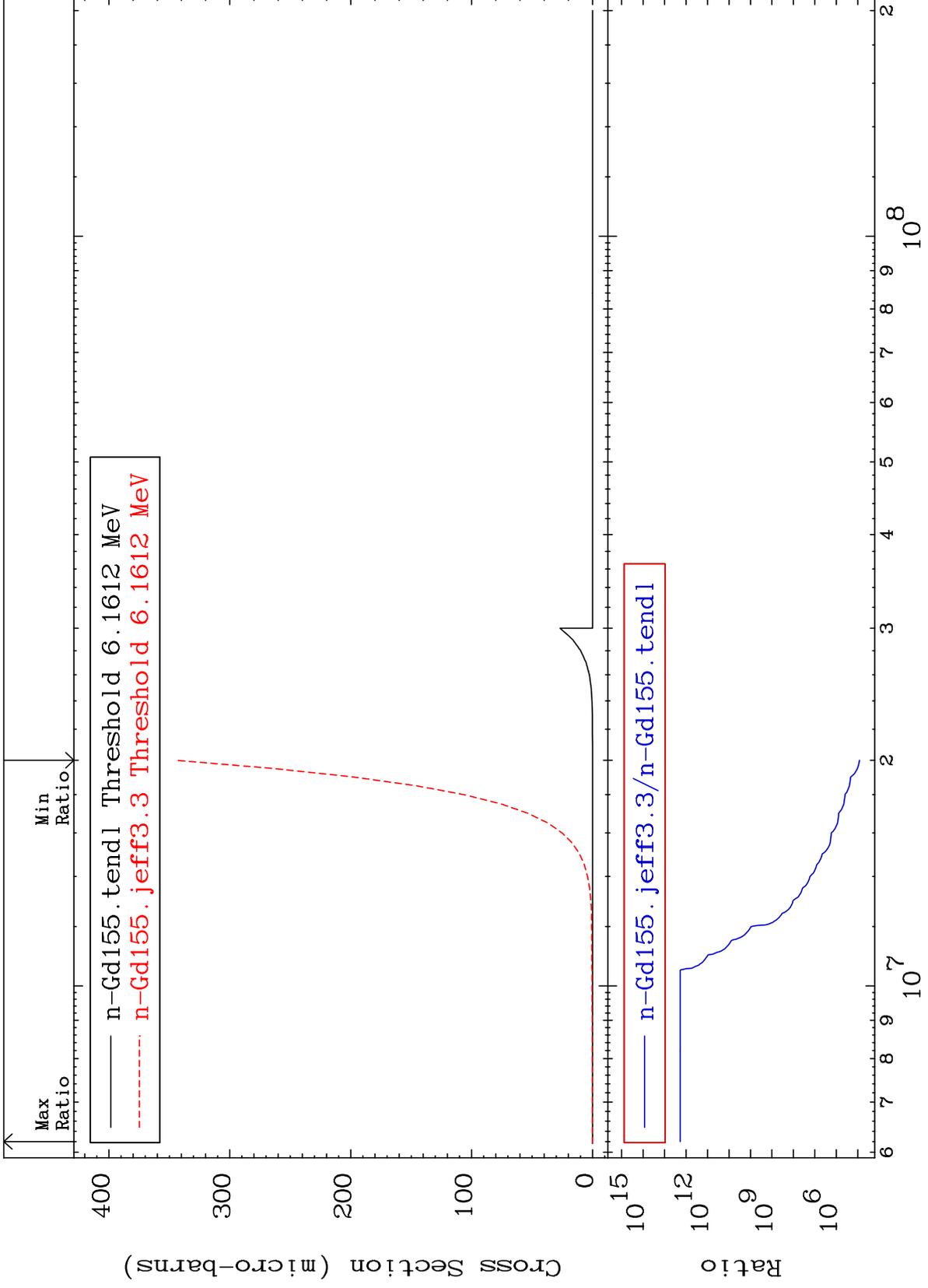
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,2p)
Cross Section

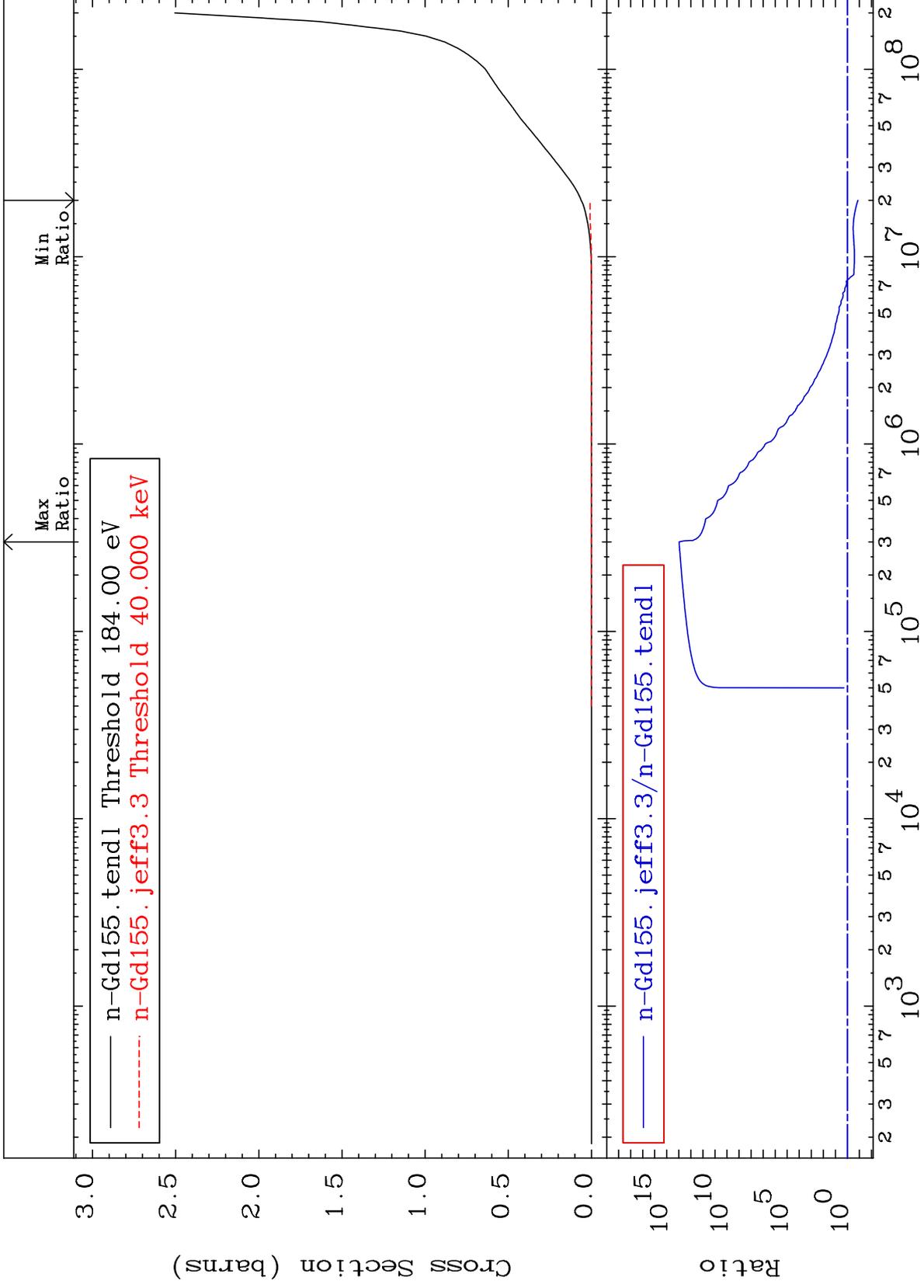
64-Gd-155
To 9999. %



40

Incident Energy (eV)

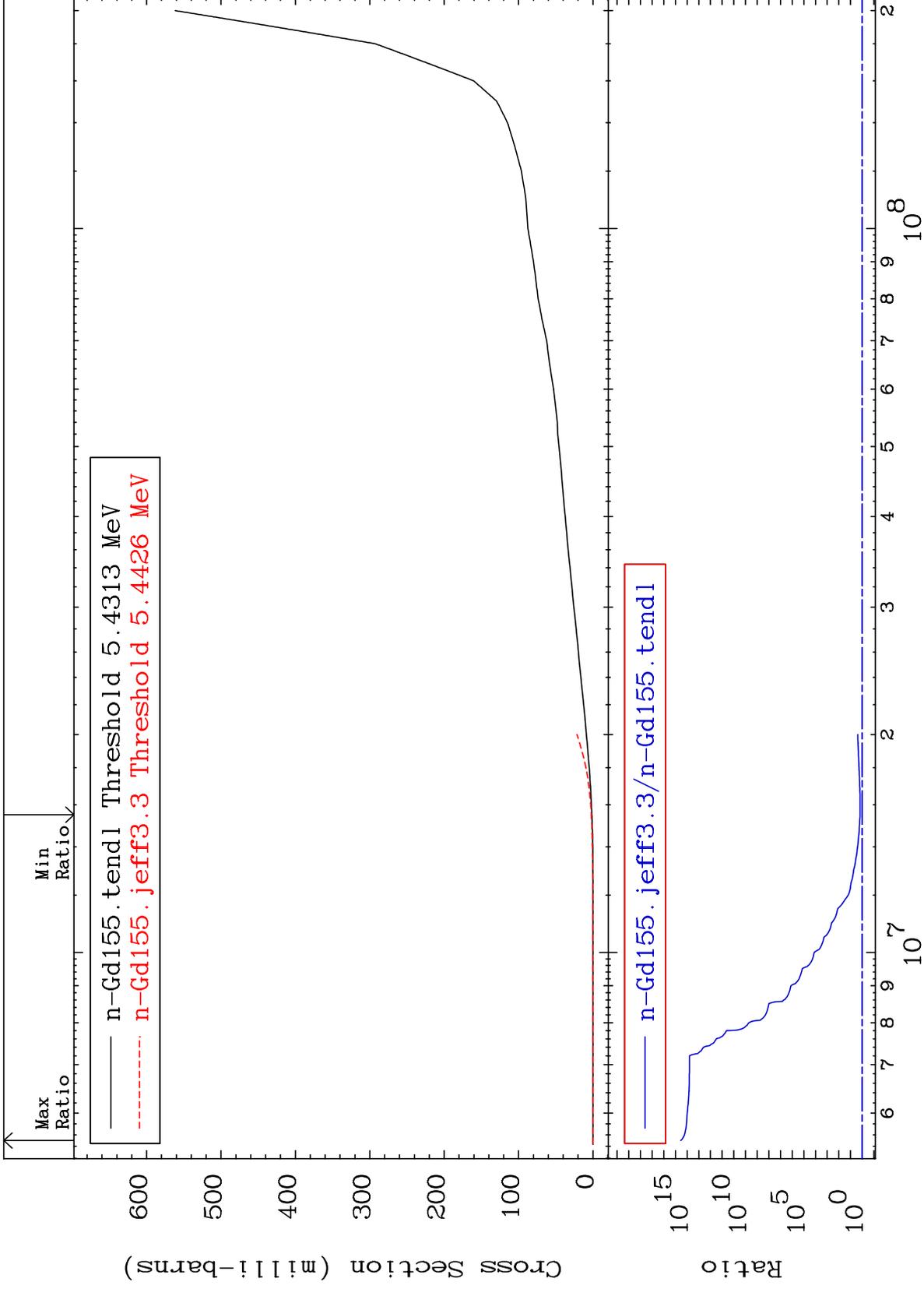
64-Gd-155

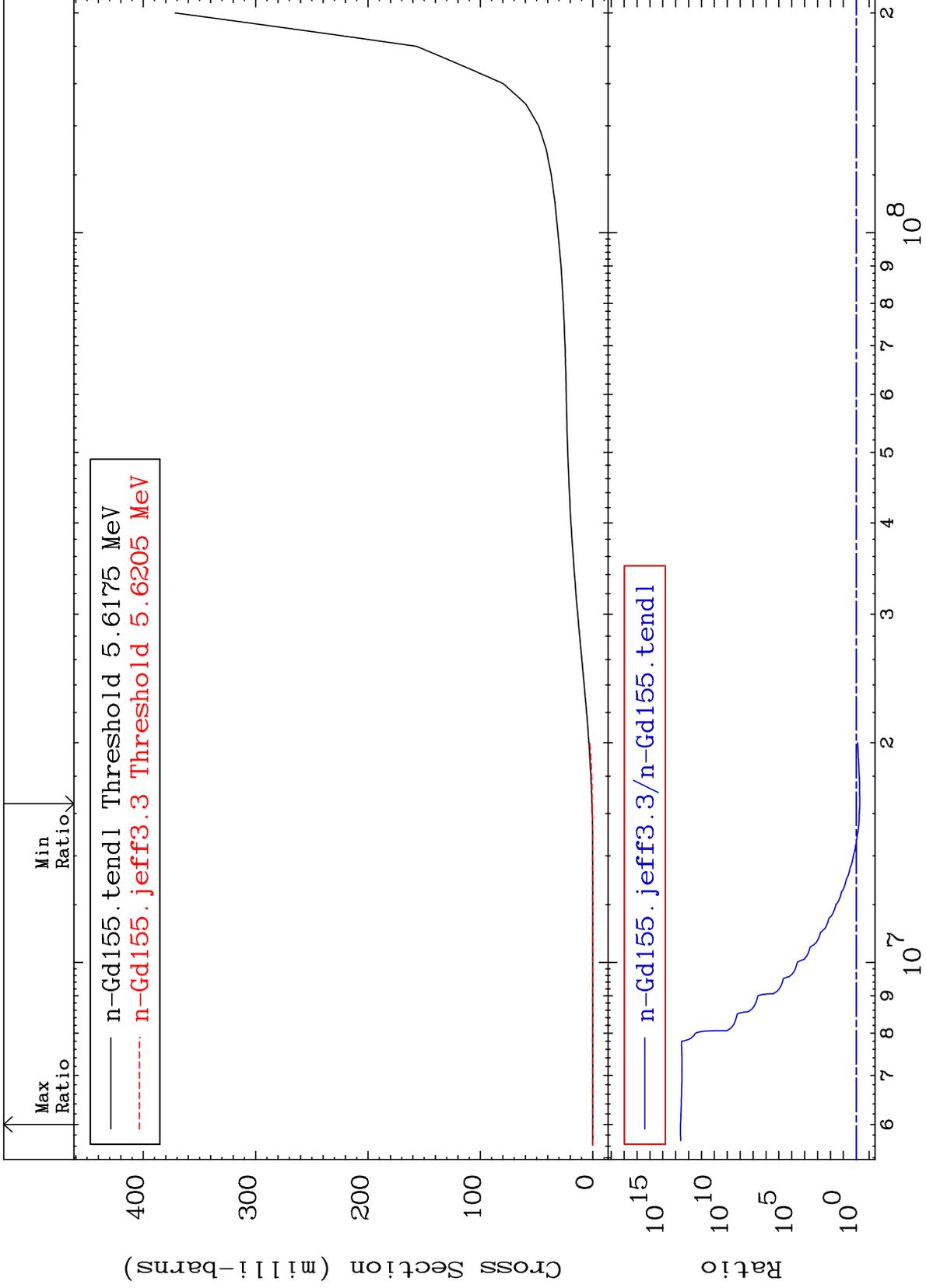


MAT 6434

Deuterium Production
Cross Section

64-Gd-155
51.66 To 9999. %

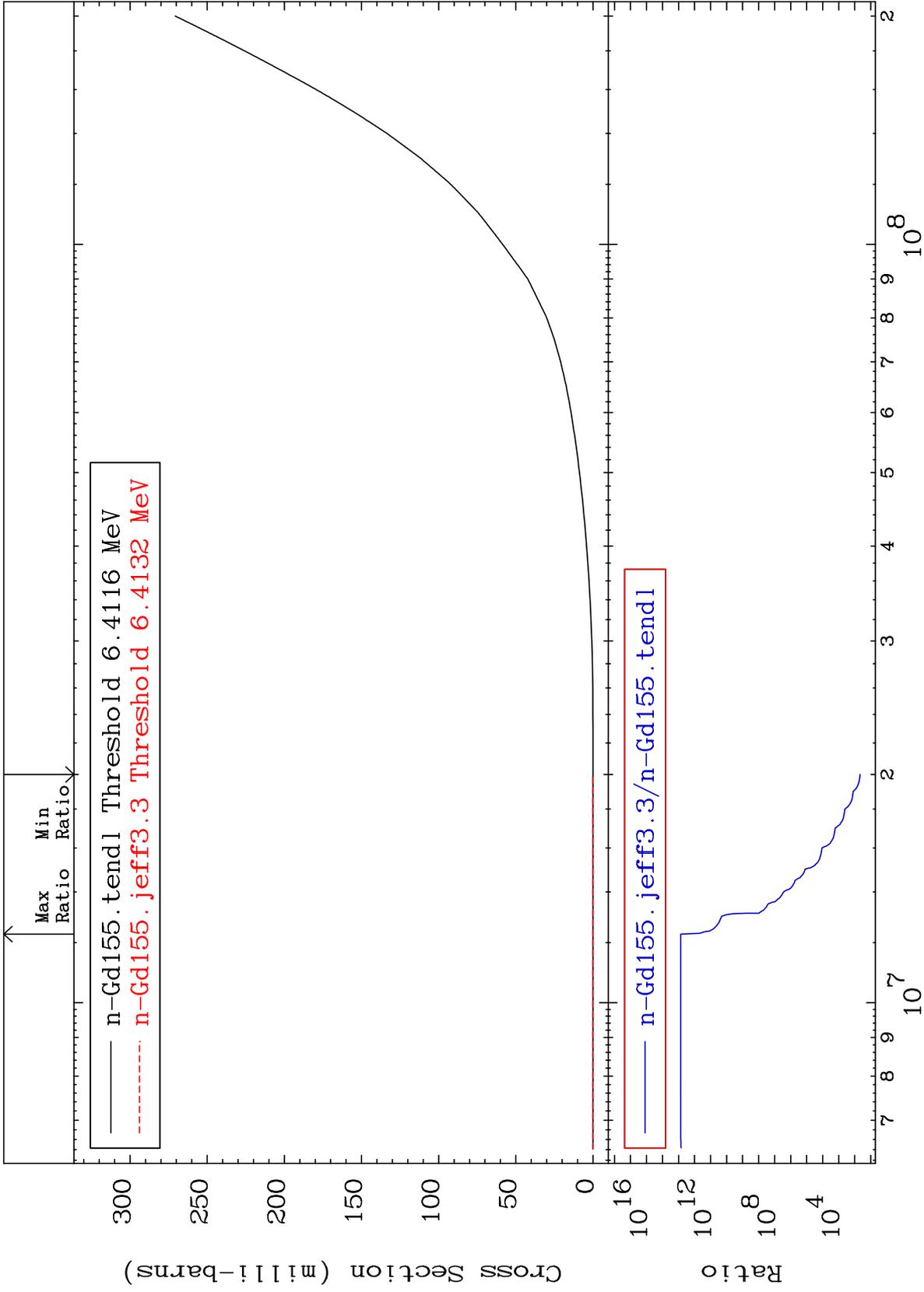




MAT 6434

He-3 Production
Cross Section

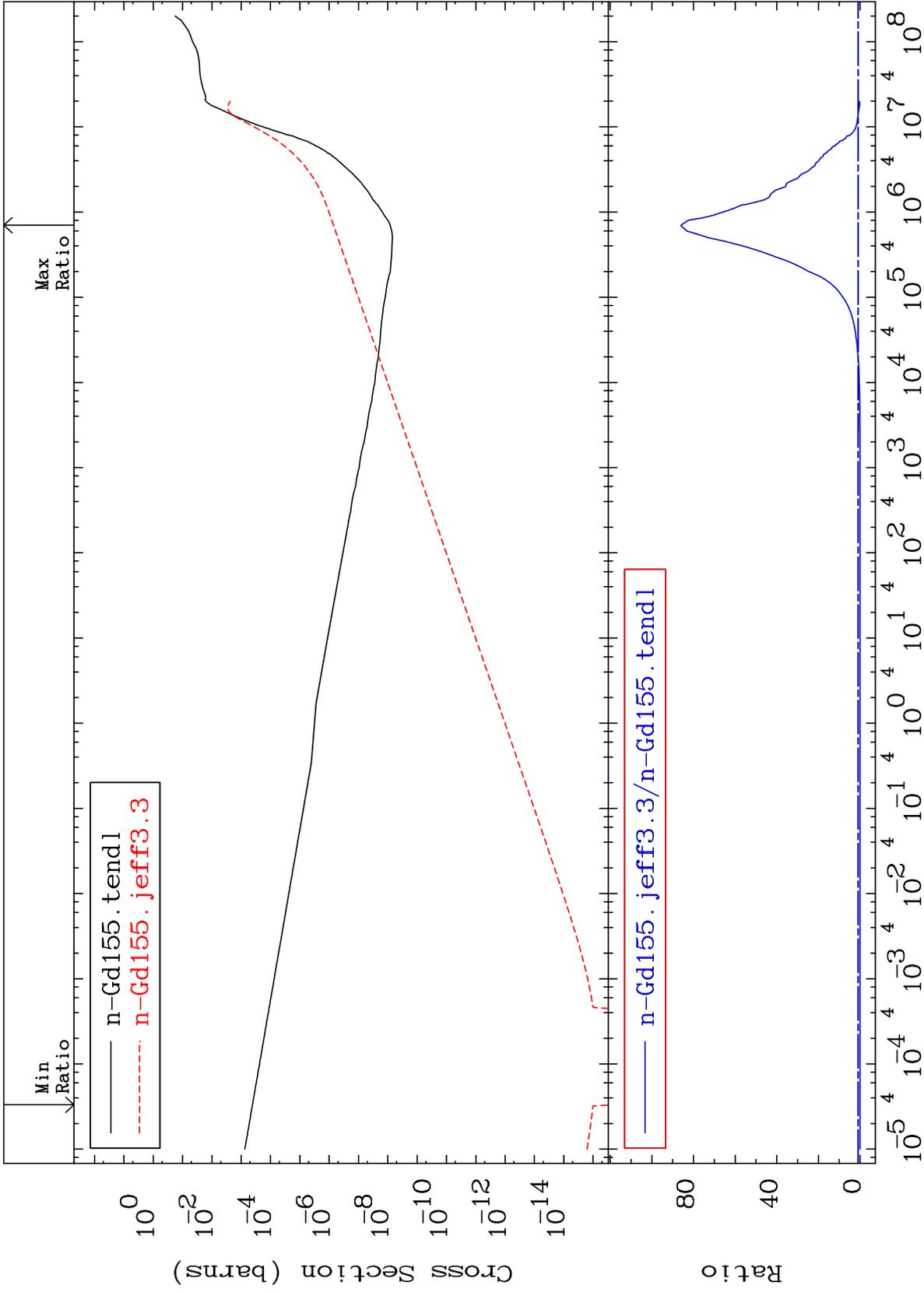
64-Gd-155
To 9999. %



MAT 6434

He-4 Production
Cross Section

64-Gd-155
-100.0 To 8510. %



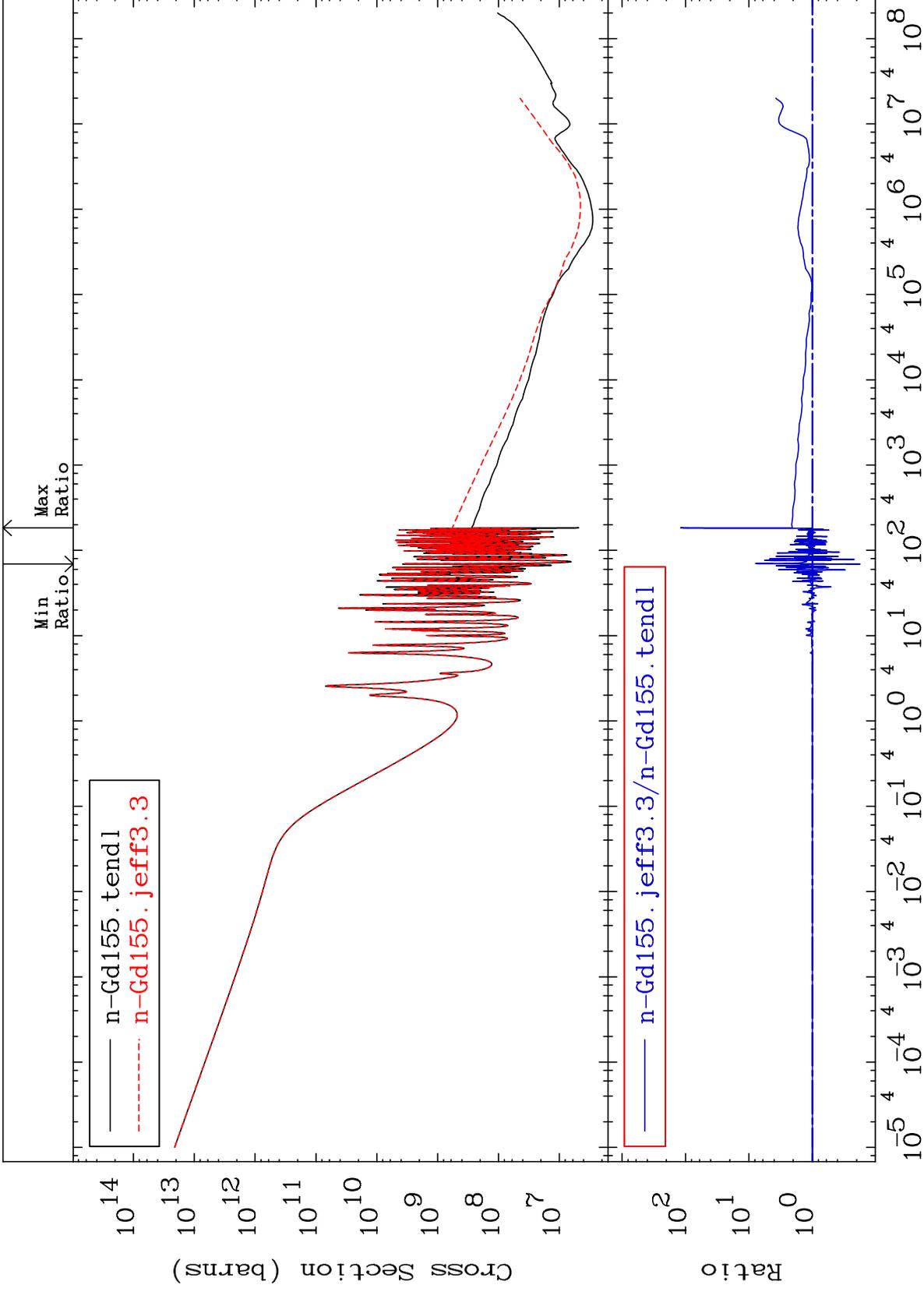
MAT 6434

Kerma total (eV-barns)

64-Gd-155

-82.32 To 9999. %

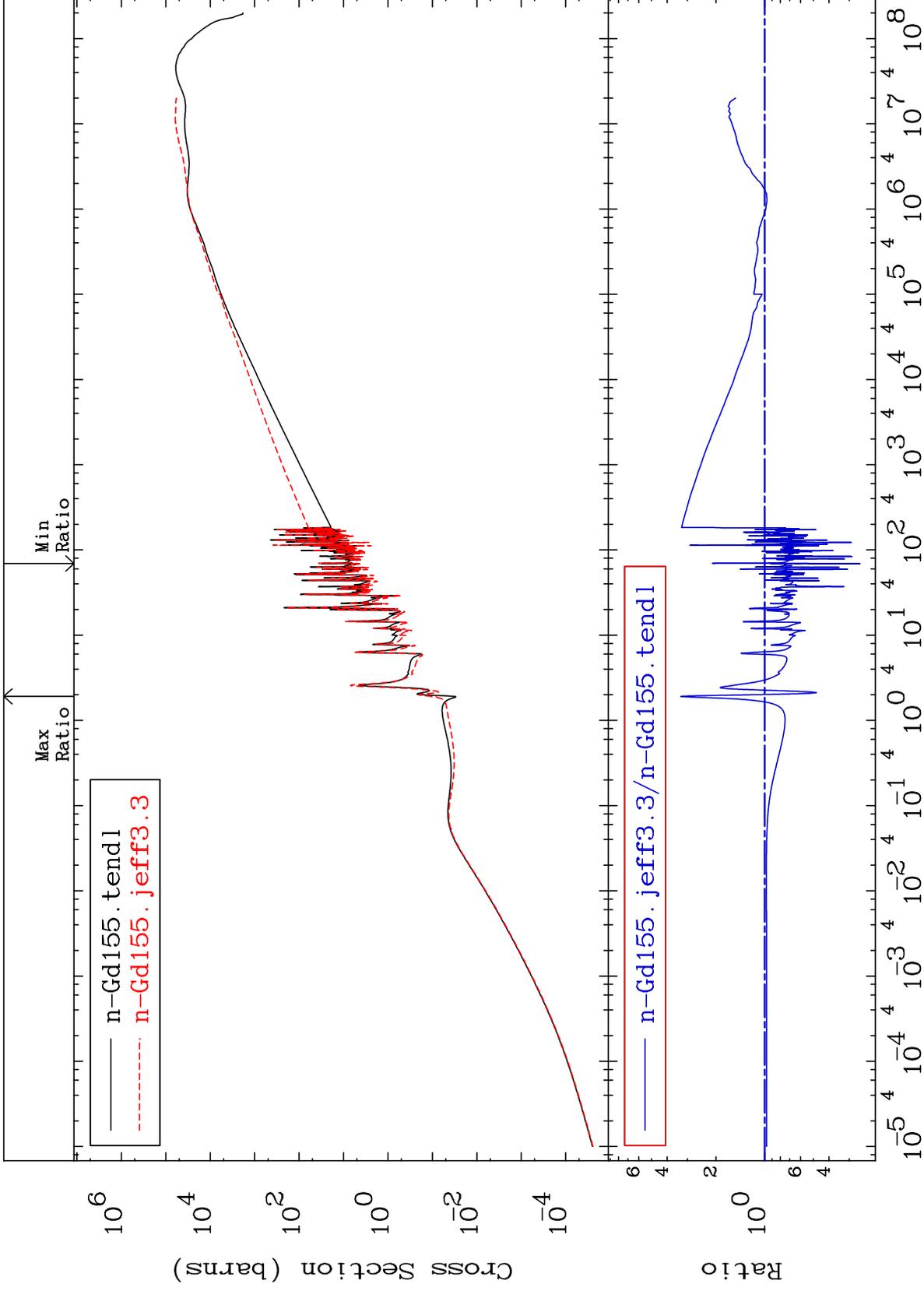
Cross Section



MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-74.29 To 229.9 %

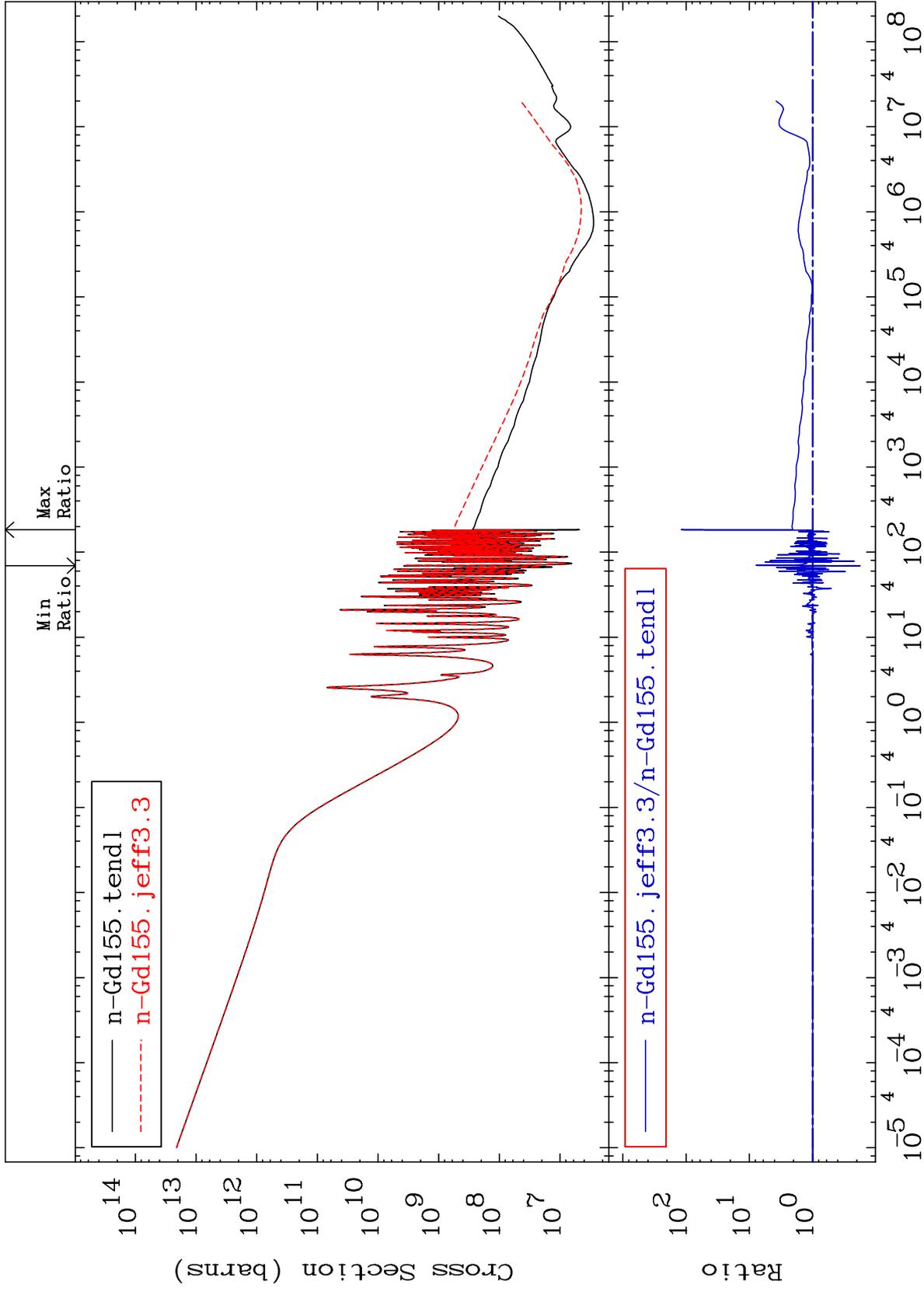


47

Incident Energy (eV)

64-Gd-155

Cross Section

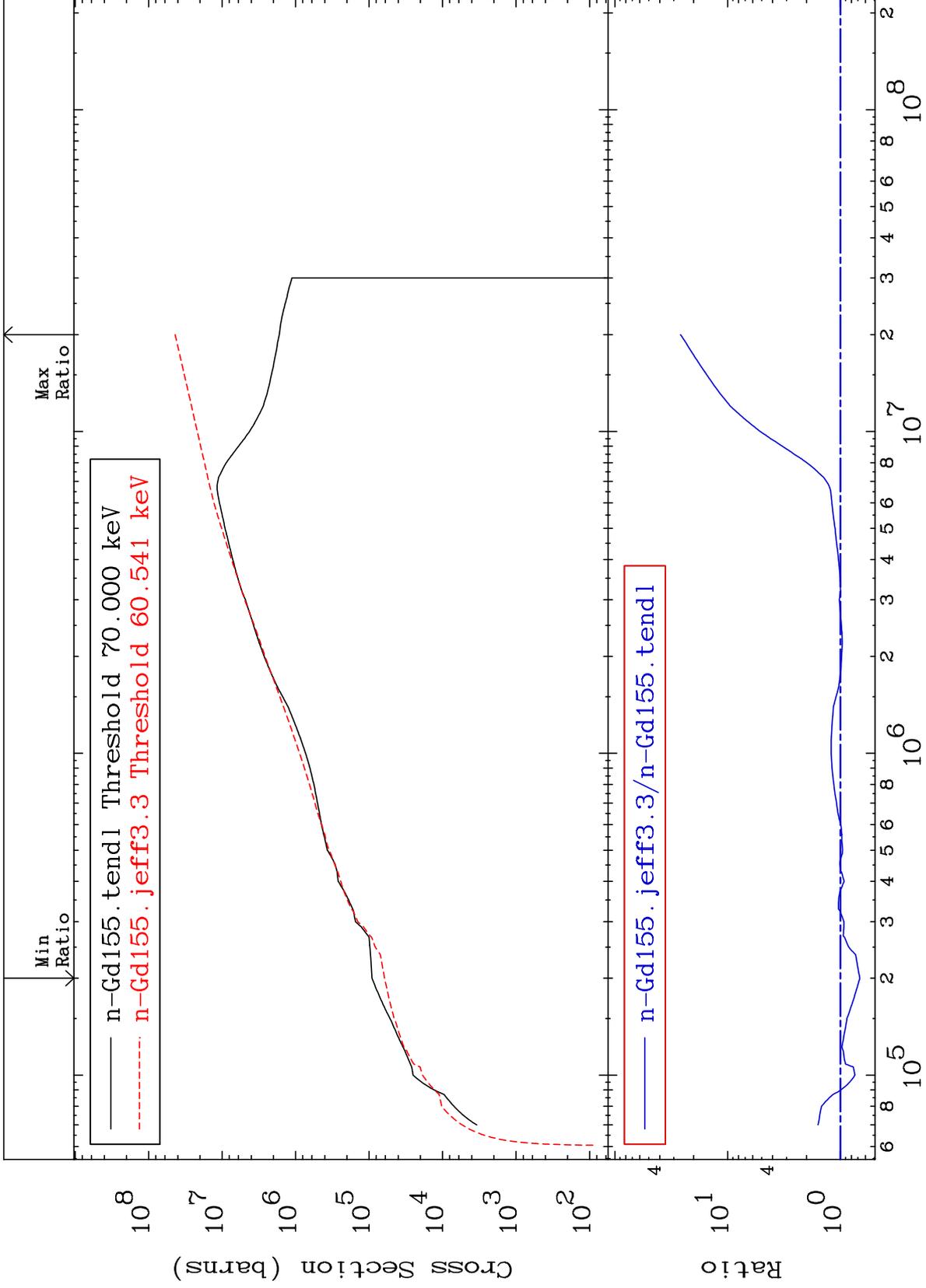


Incident Energy (eV)

MAT 6434

Kerma inelastic (mt51-91)
Cross Section

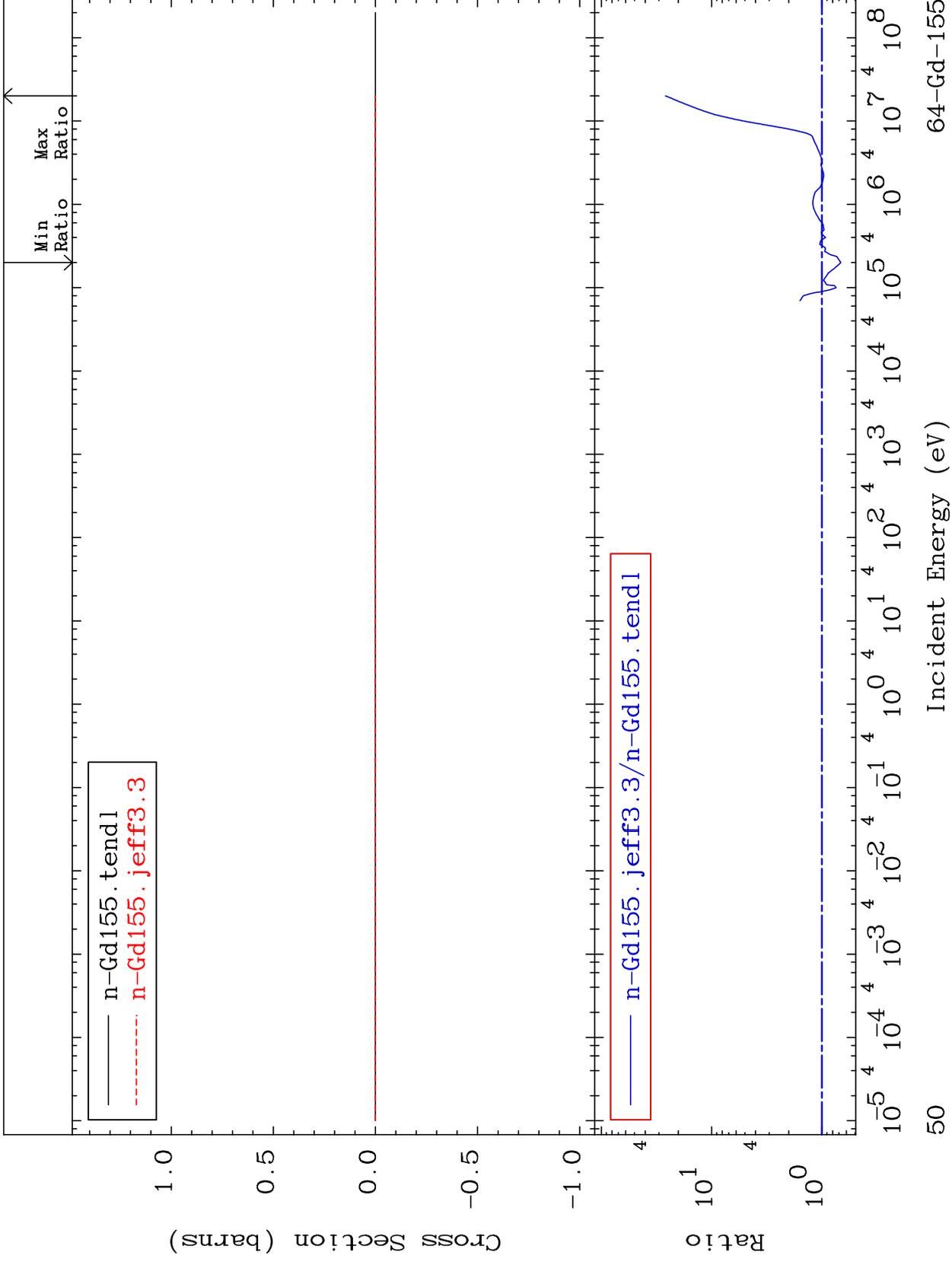
64-Gd-155
-32.64 To 2517. %



MAT 6434

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

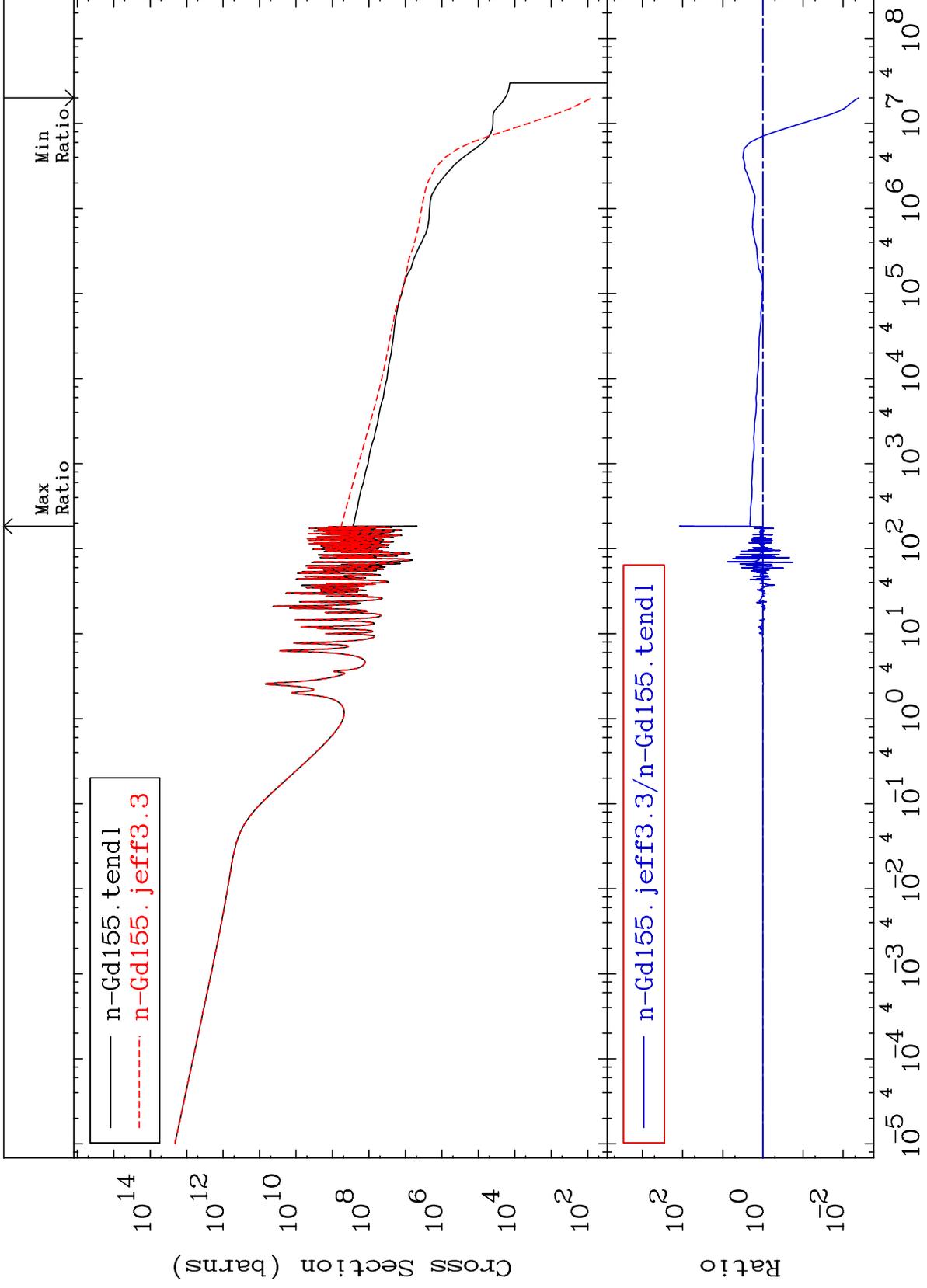
64-Gd-155
-32.64 To 2517. %



MAT 6434

Kerma capture (mt102)
Cross Section

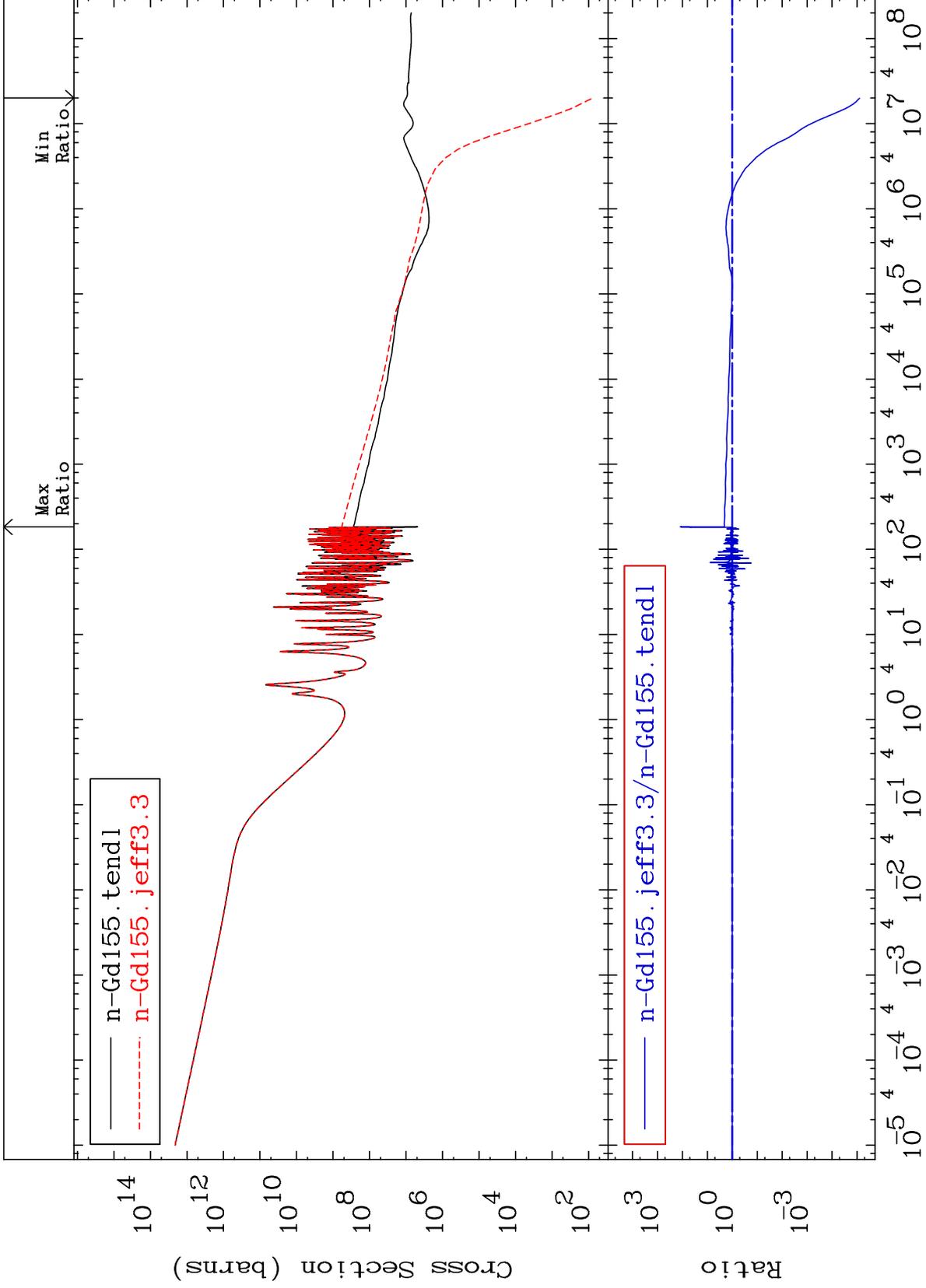
64-Gd-155
-99.59 To 9999. %



MAT 6434

Total photon (eV-barns)
Cross Section

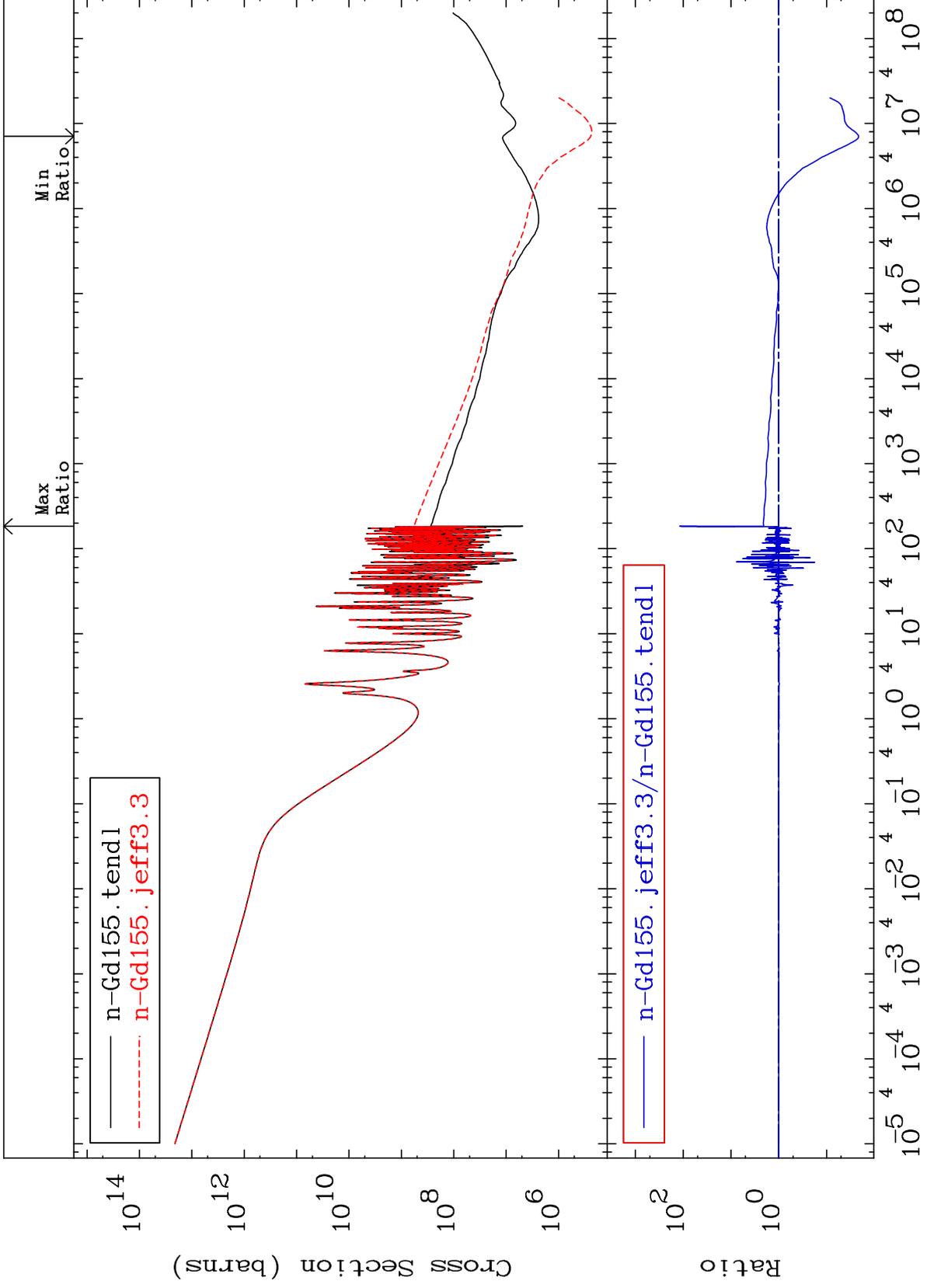
64-Gd-155
-100.0 To 9999. %



52

Incident Energy (eV)

64-Gd-155



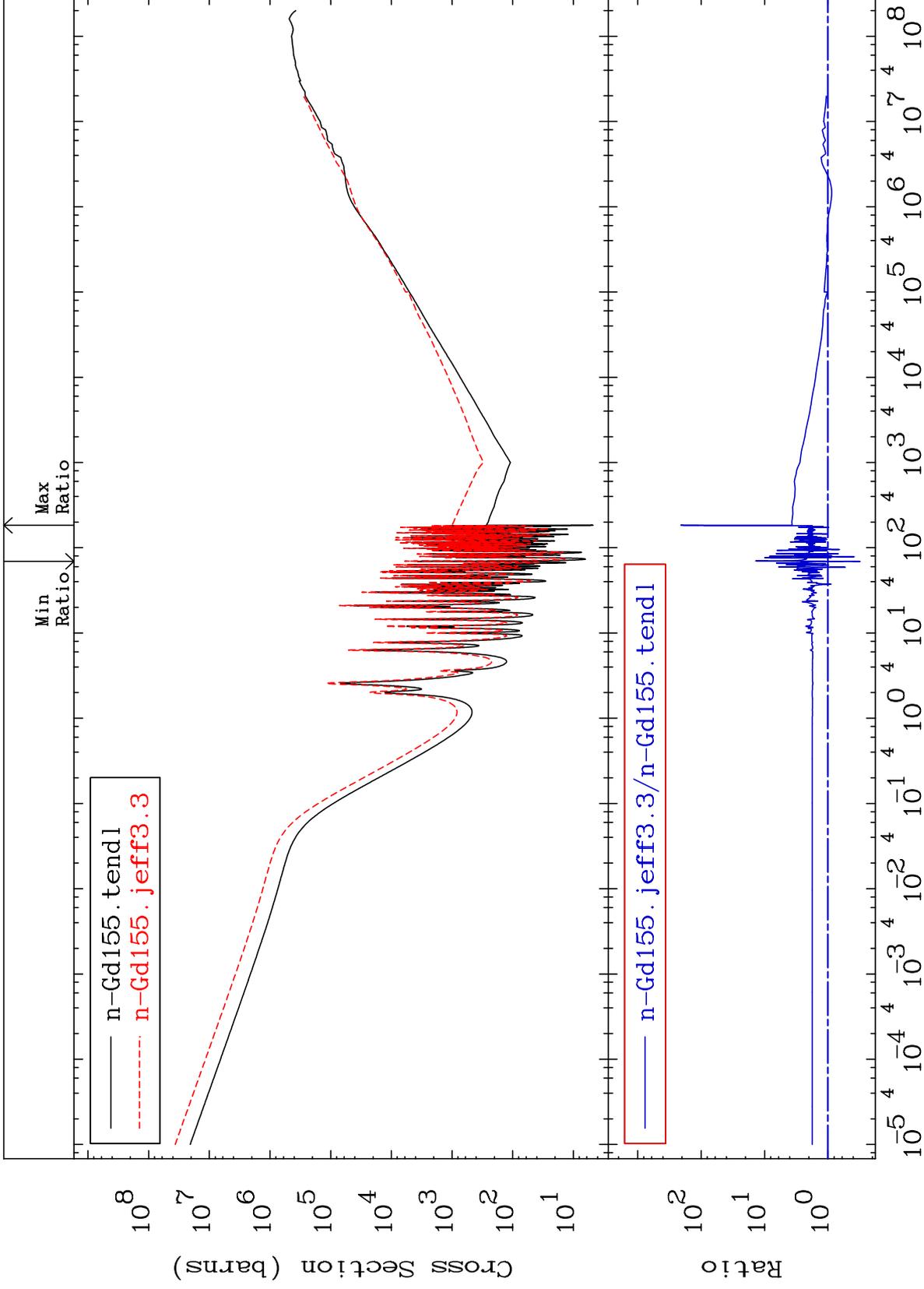
MAT 6434

Dpa total (eV-barns)

64-Gd-155

-68.77 To 9999. %

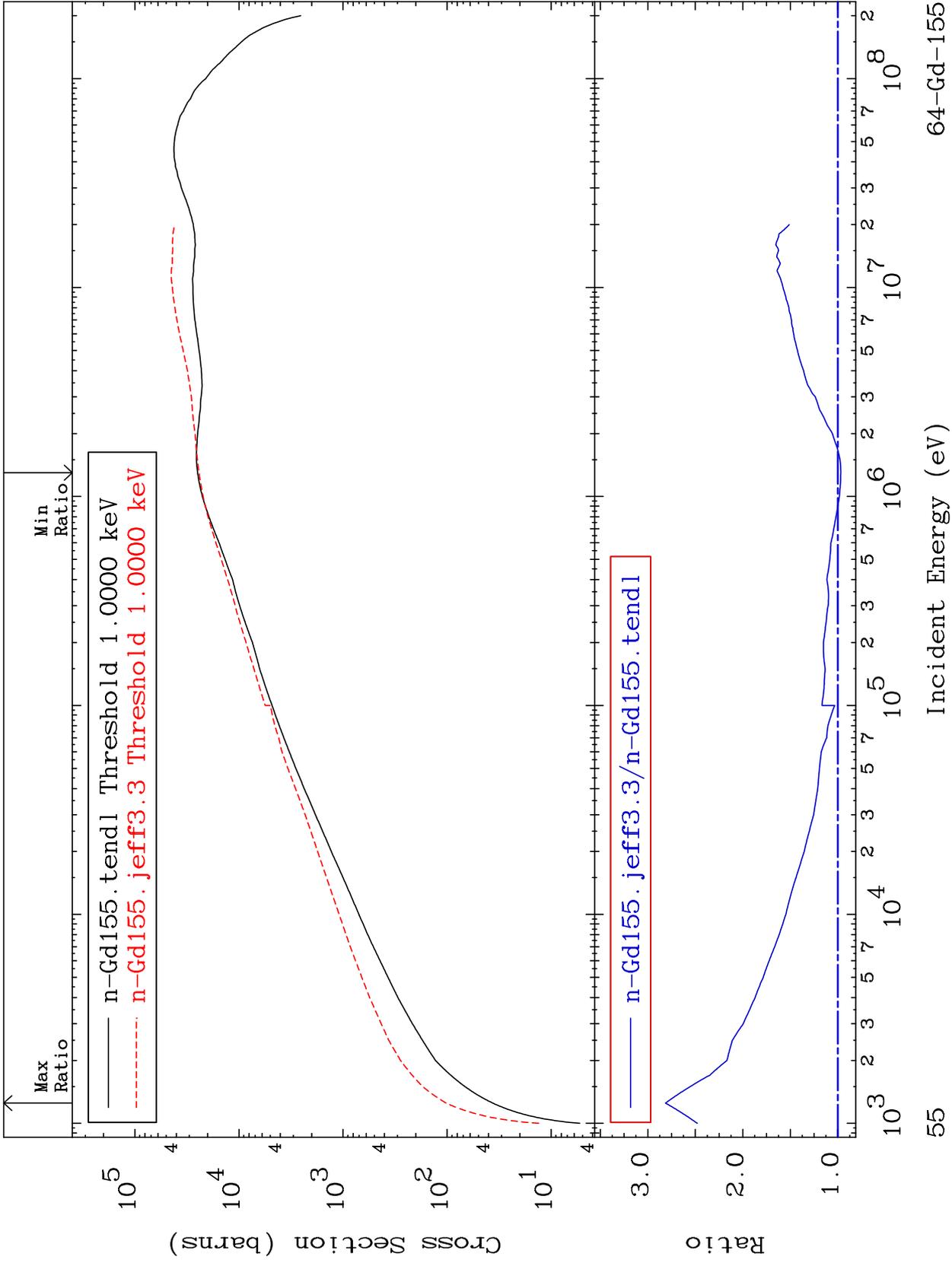
Cross Section



MAT 6434

Dpa elastic (mt2)
Cross Section

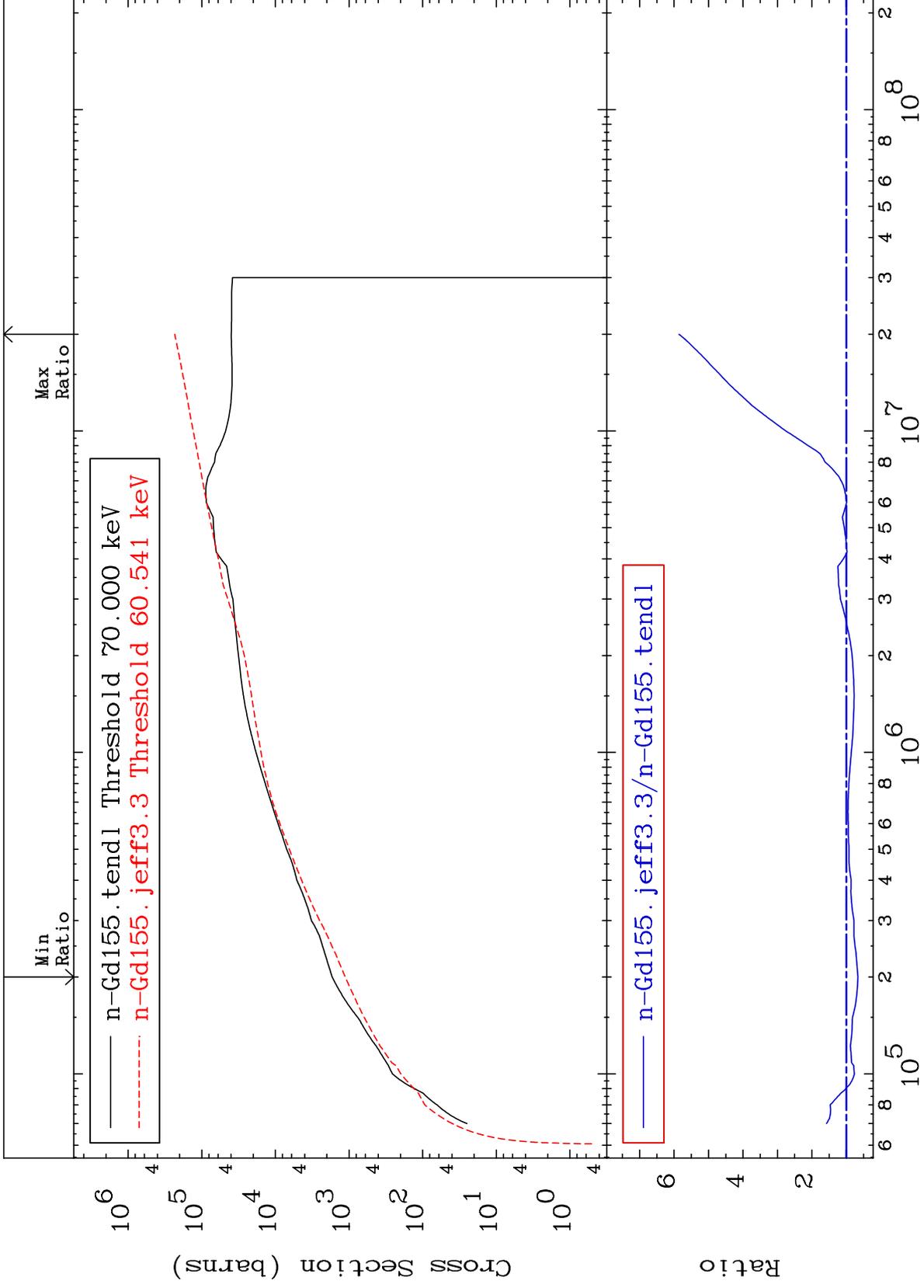
64-Gd-155
-3.121 To 181.4 %



MAT 6434

Dpa inelastic (mt51-91)
Cross Section

64-Gd-155
-33.57 To 485.6 %



56

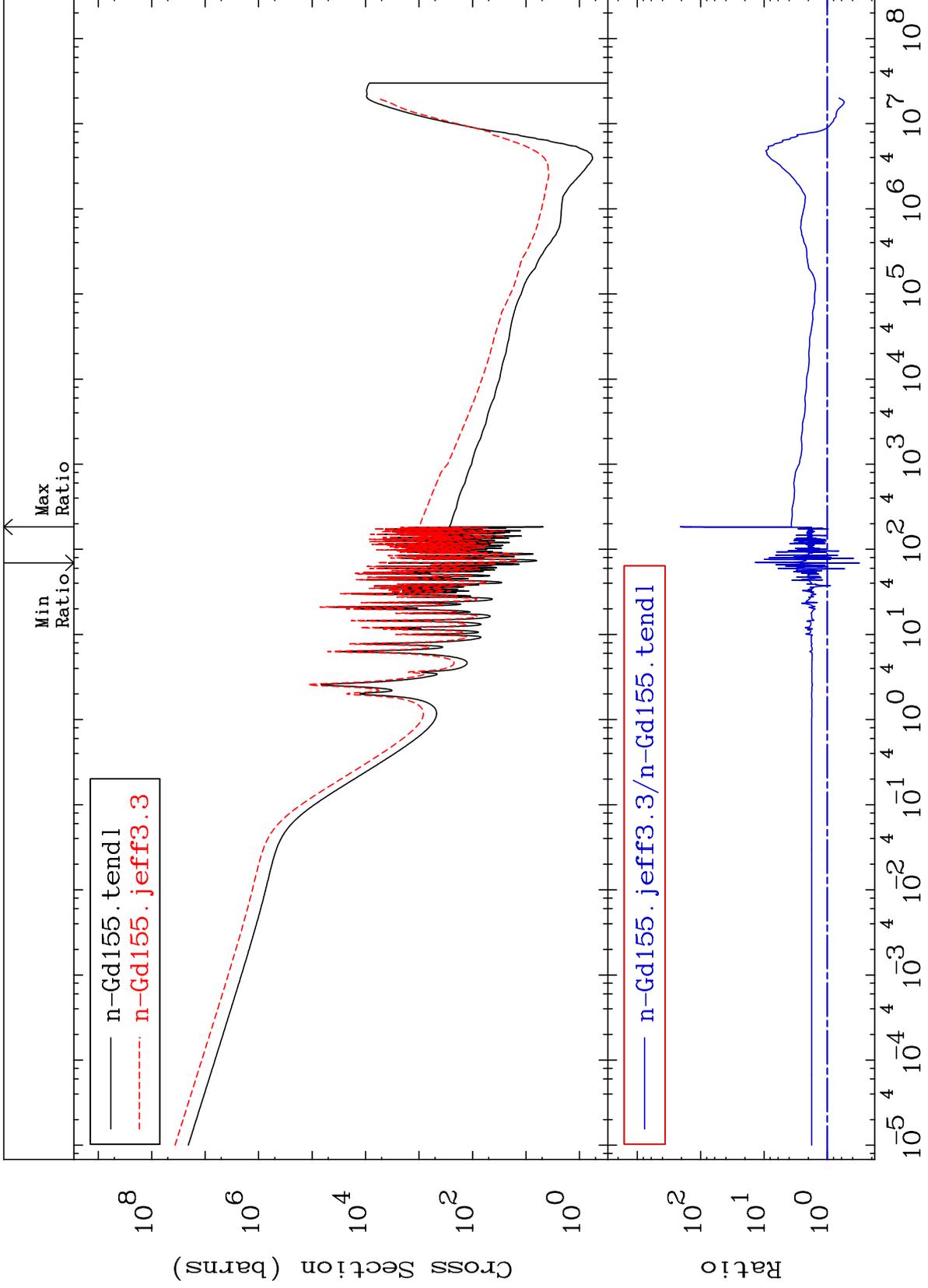
Incident Energy (eV)

64-Gd-155

MAT 6434

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-155
-68.77 To 9999. %



57

64-Gd-155