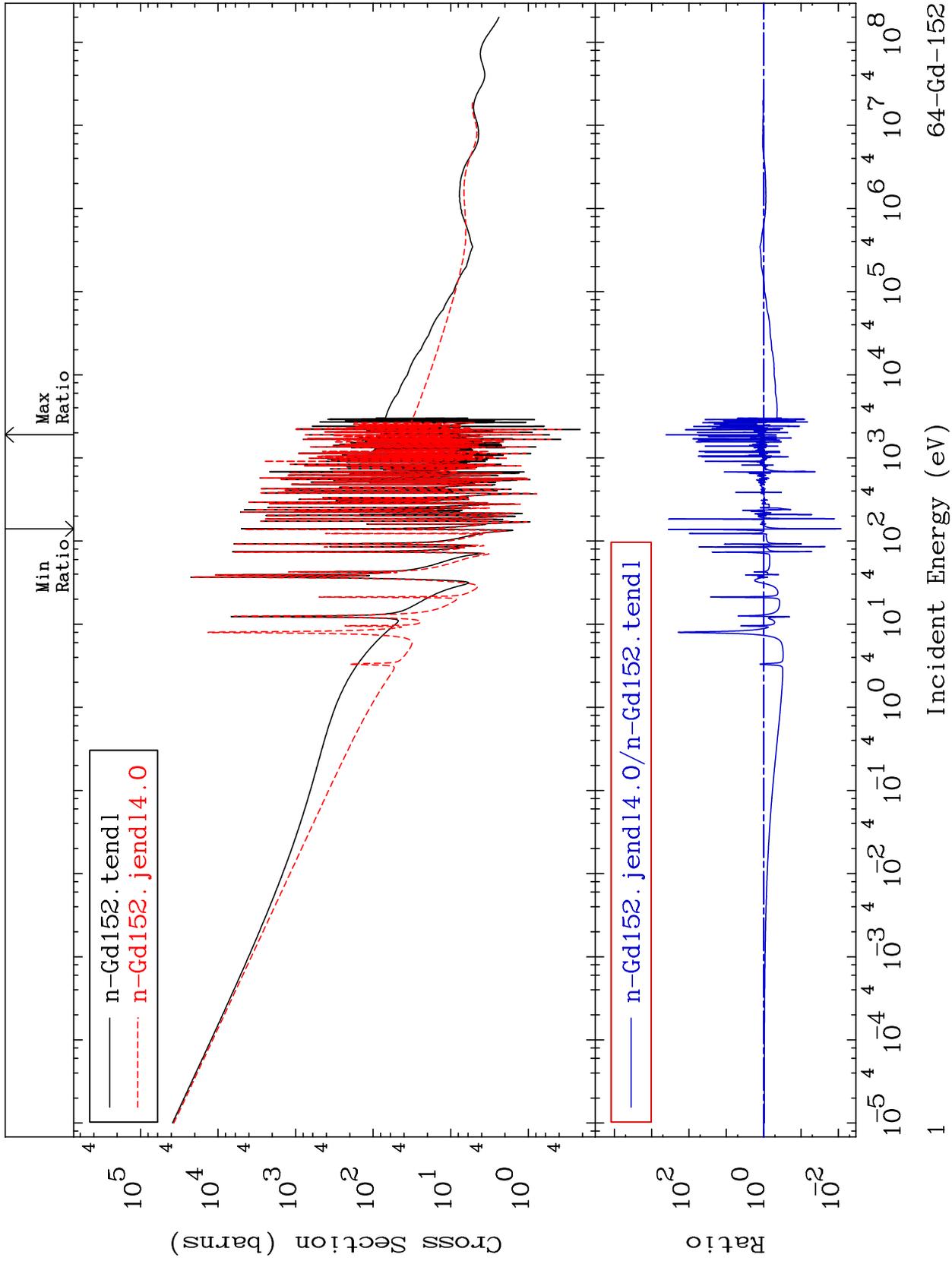


MAT 6425

Total
Cross Section

64-Gd-152
-99.15 To 9999. %



64-Gd-152

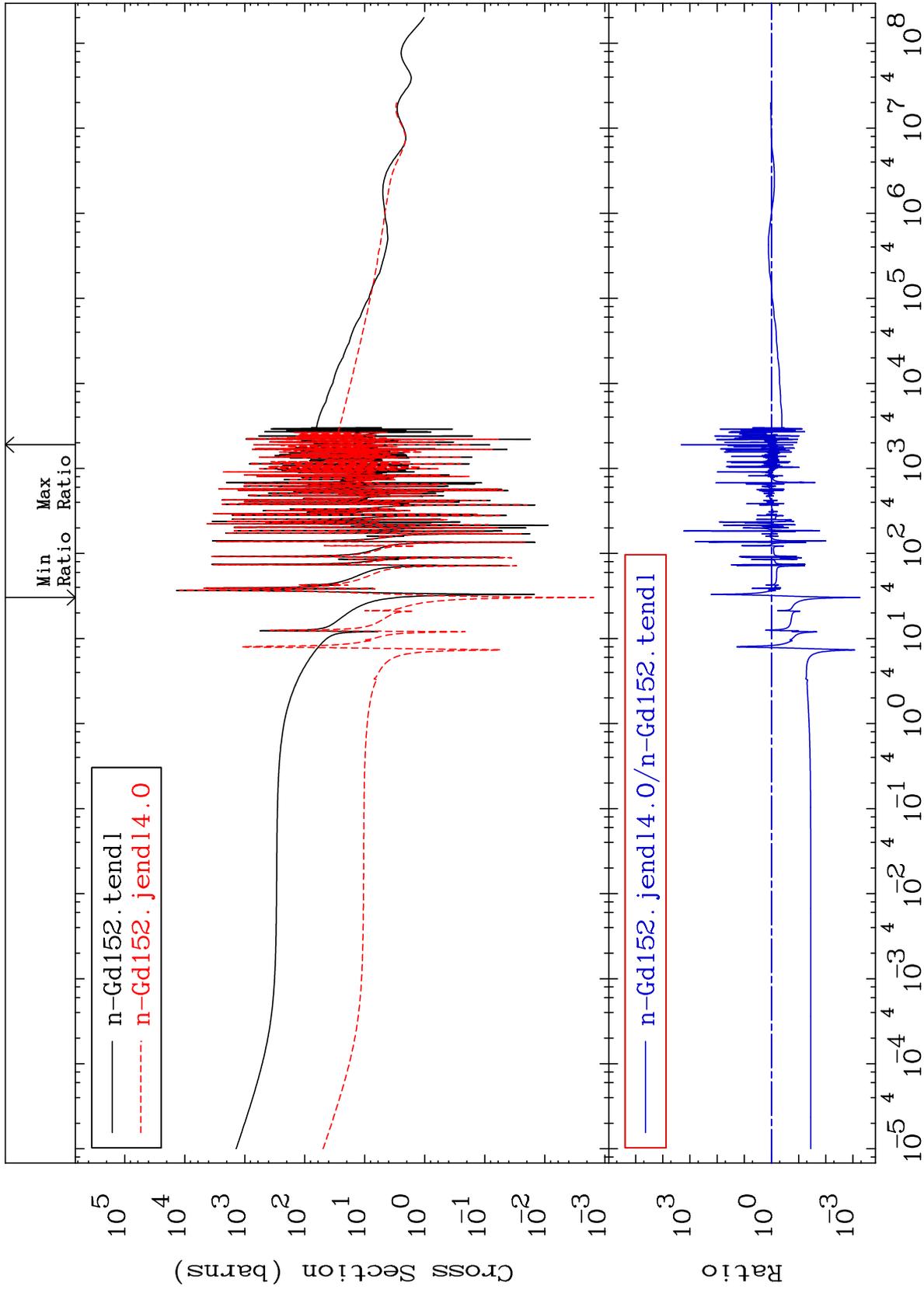
MAT 6425

Elastic

64-Gd-152

Cross Section

-99.95 To 9999. %



2

64-Gd-152

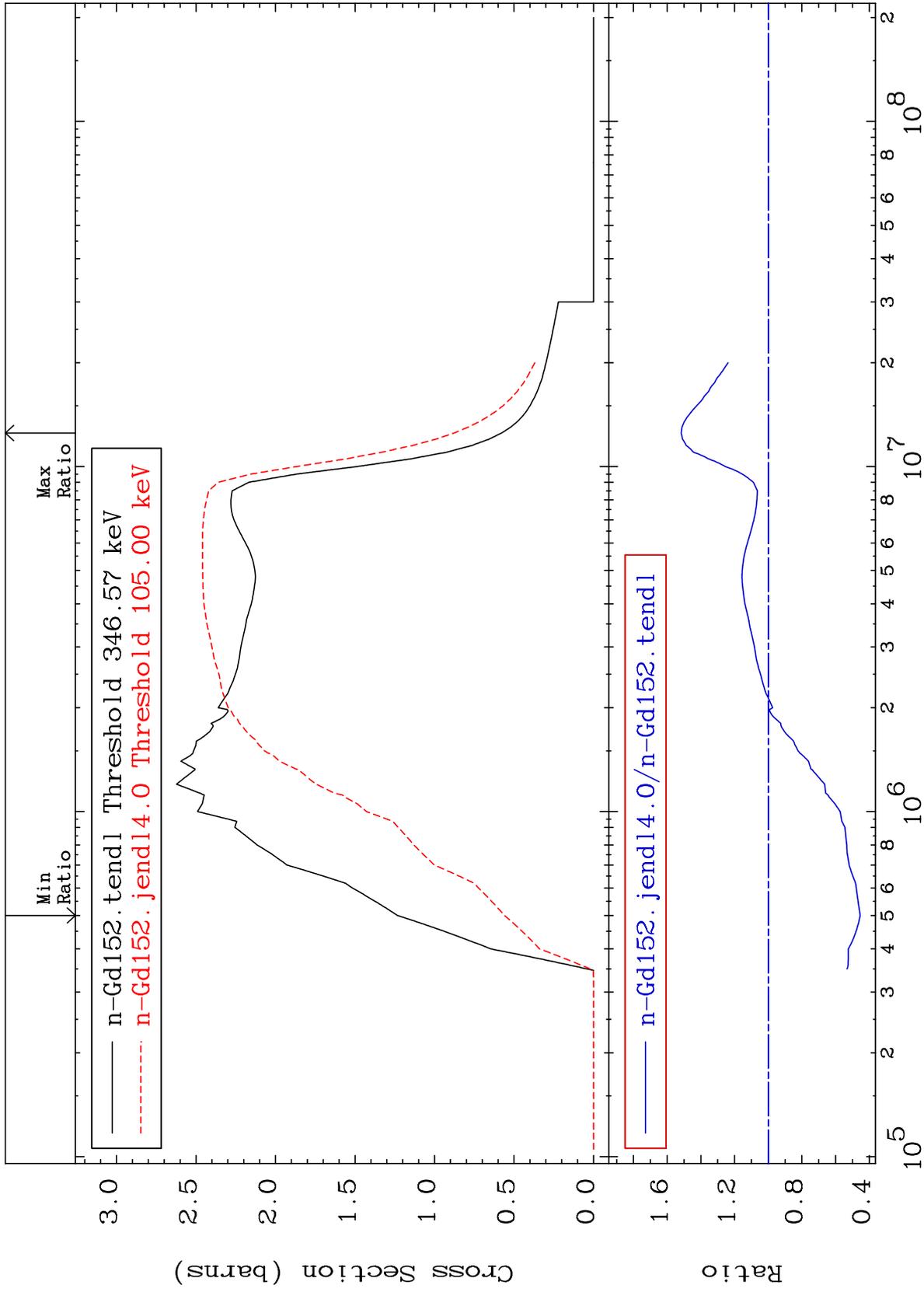
MAT 6425

Inelastic

64-Gd-152

Cross Section

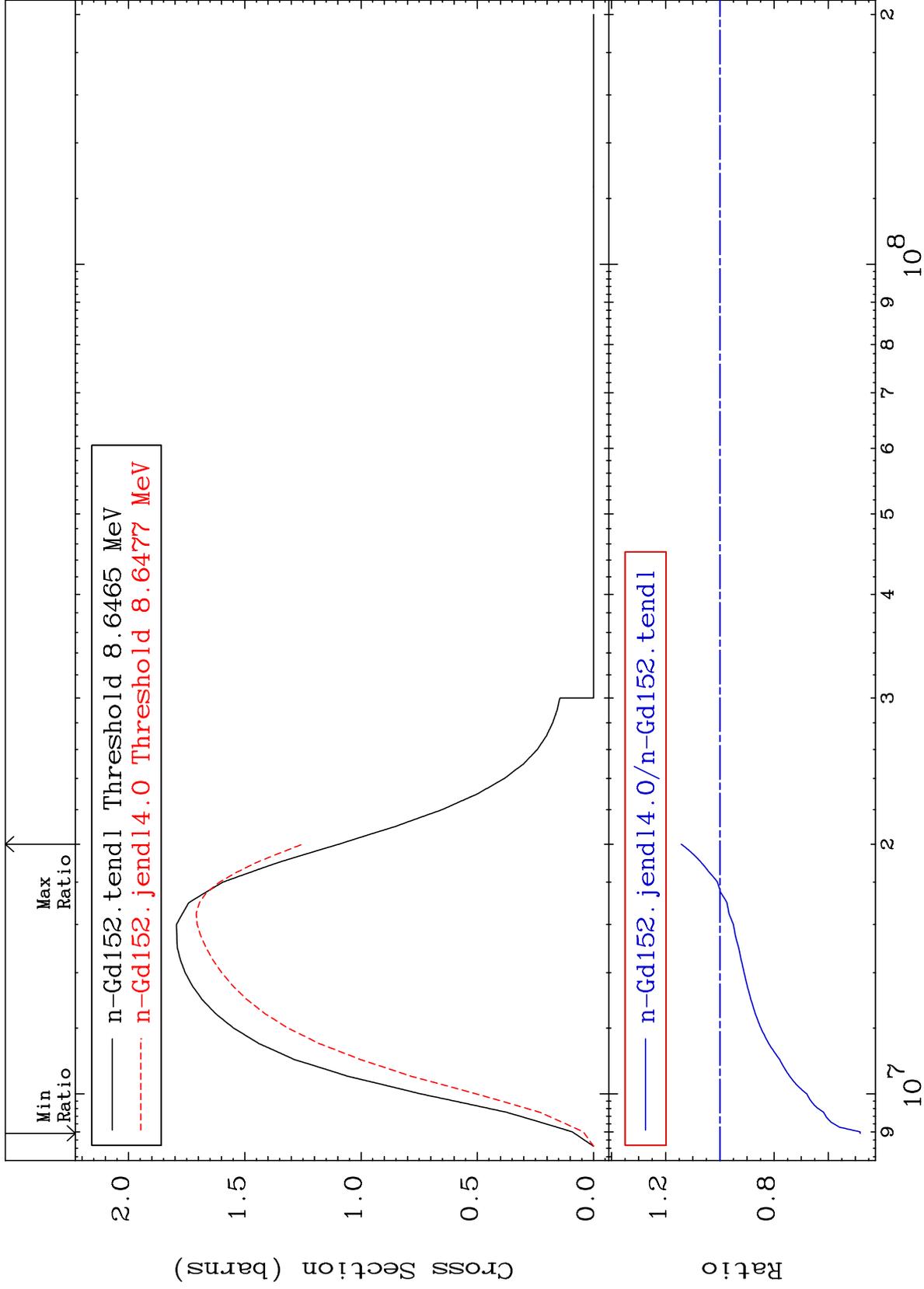
-54.61 To 51.68 %



MAT 6425

(n,2n)
Cross Section

64-Gd-152
-51.81 To 14.31 %



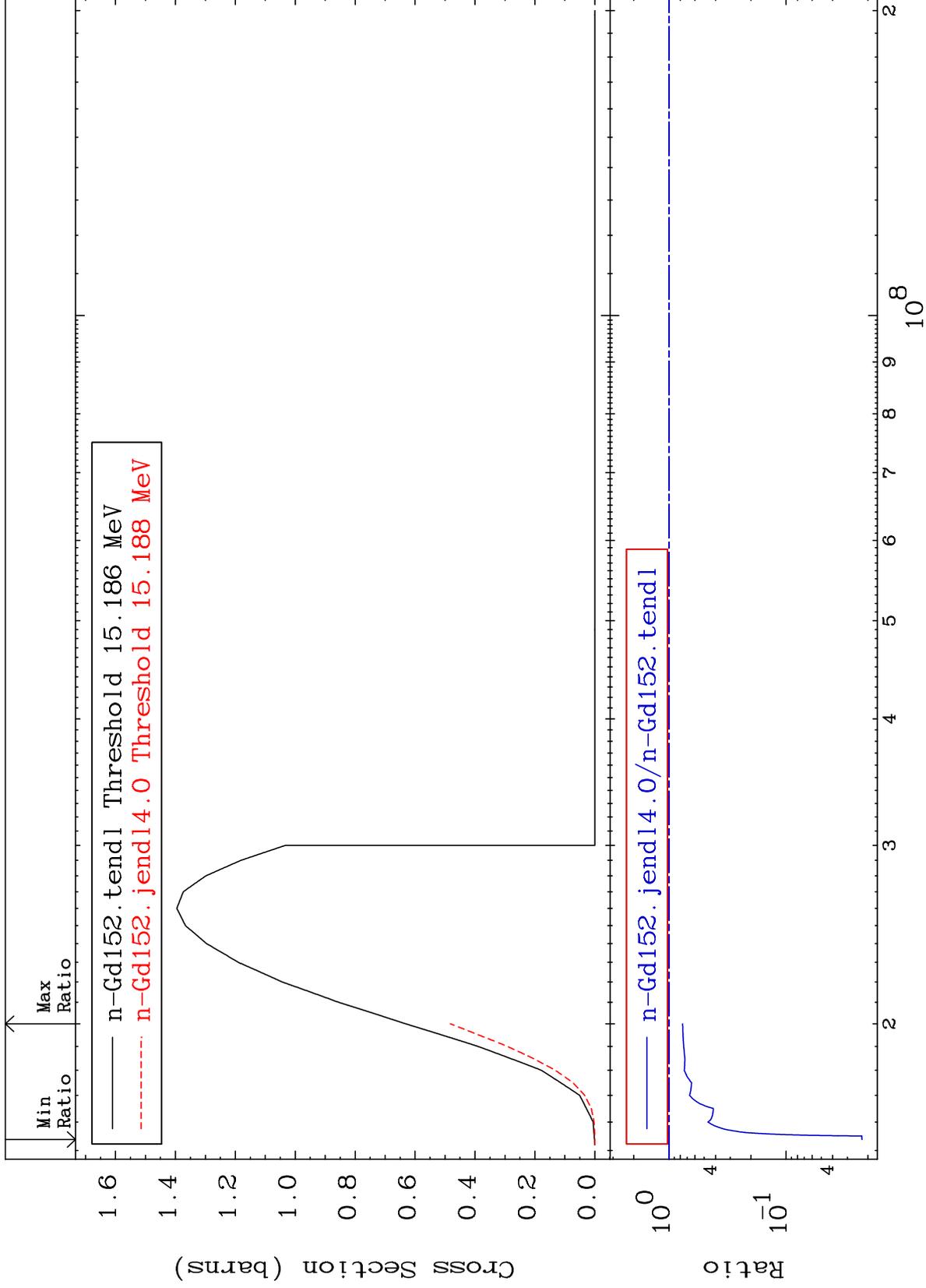
4

Incident Energy (eV)

64-Gd-152

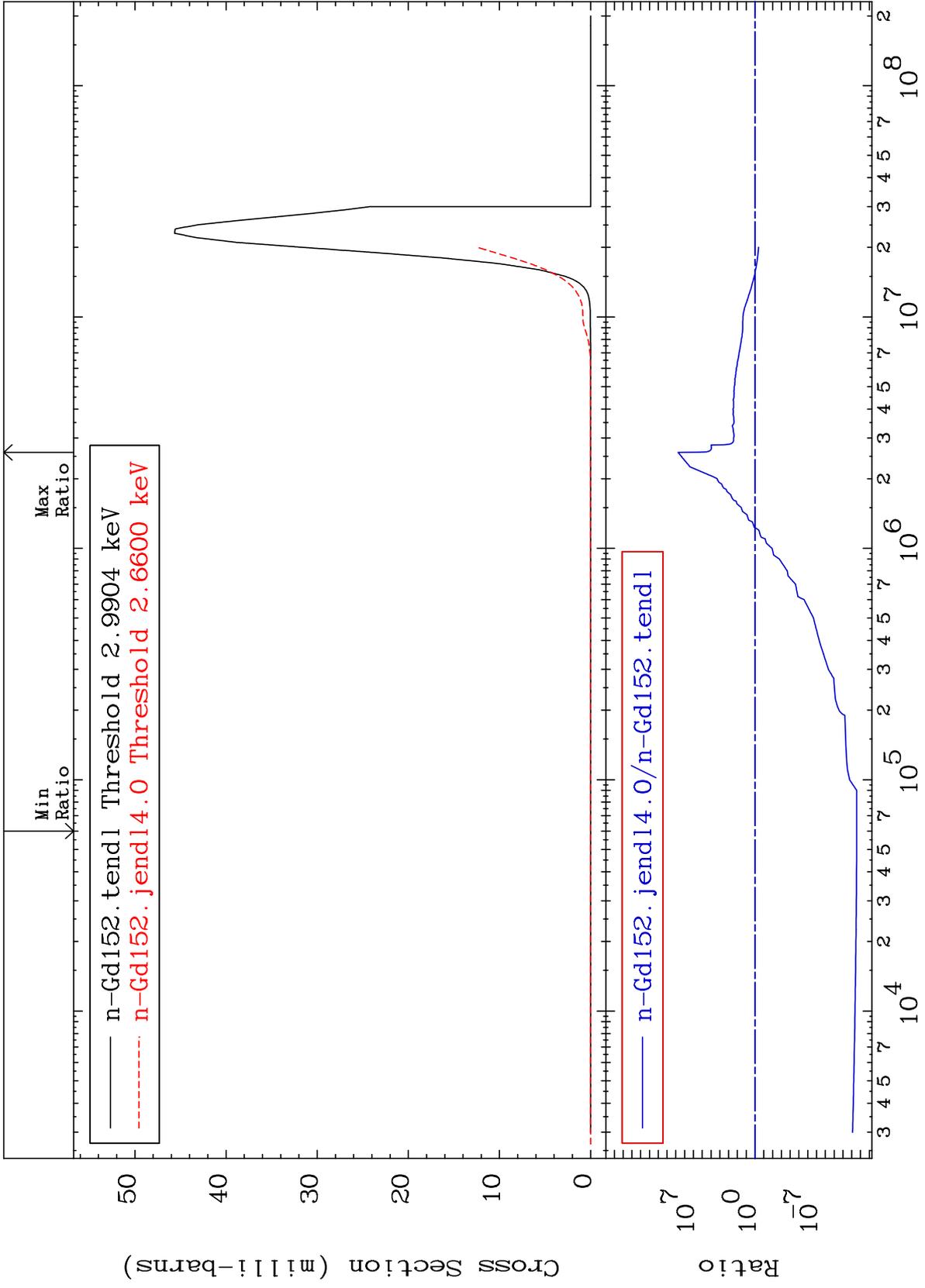
Cross Section

-97.75 To -23.59%



MAT 6425

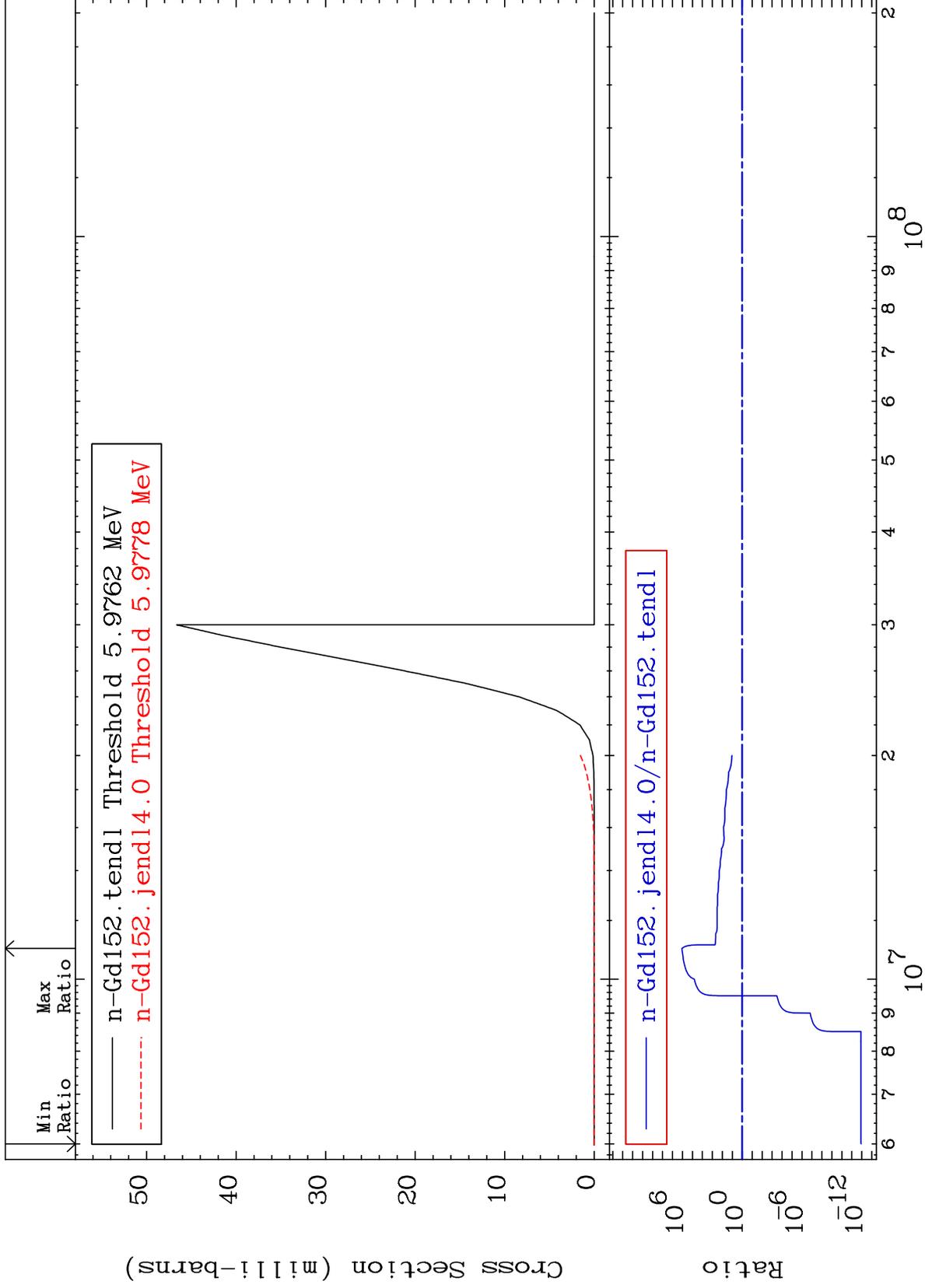
$(n, n') \alpha$
Cross Section
64-Gd-152
-100.0 To 9999. %



MAT 6425

(n,2n) α
Cross Section

64-Gd-152
-100.0 To 9999. %



7

64-Gd-152

64-Gd-152

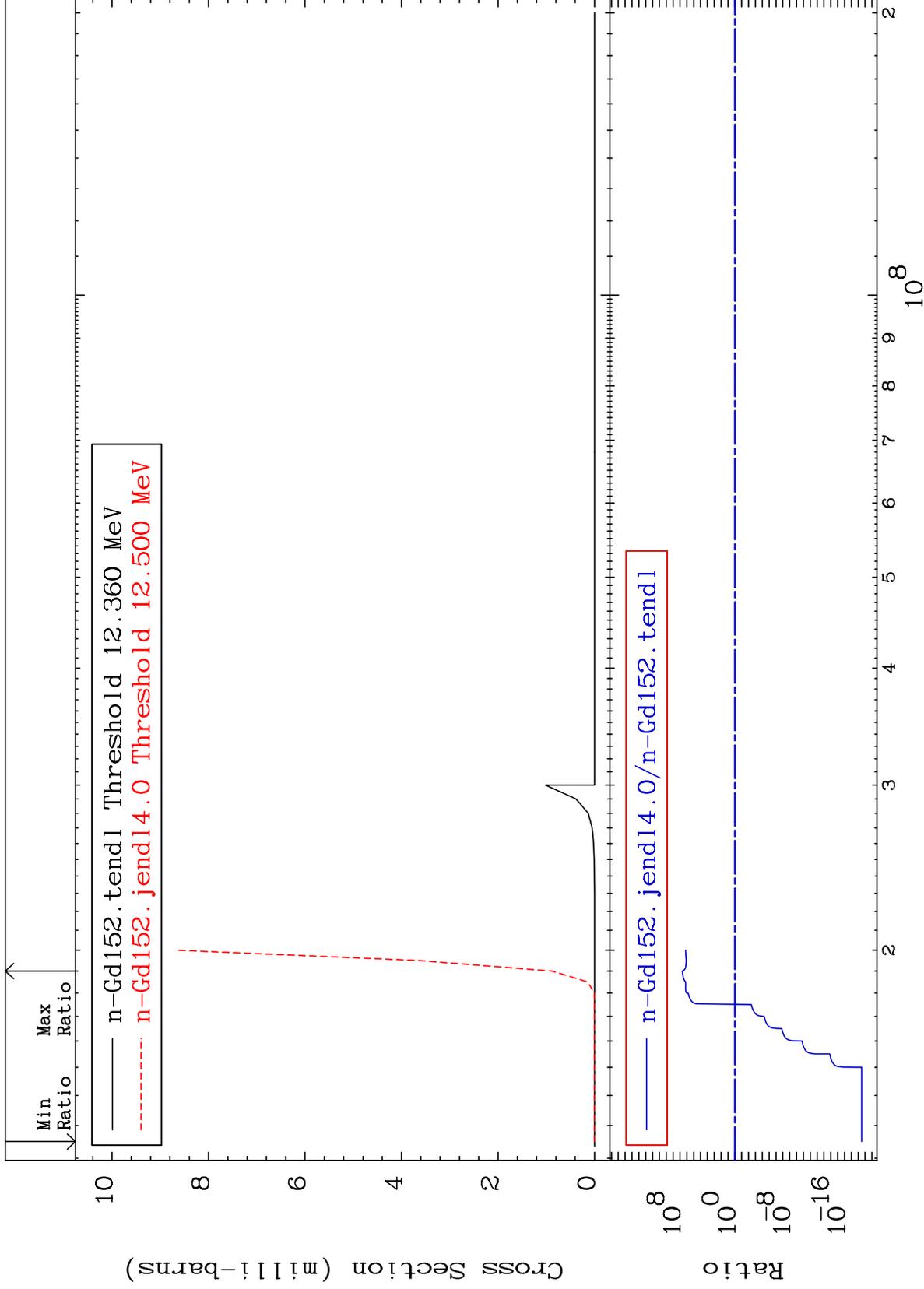
MAT 6425

(n,3n) α

64-Gd-152

Cross Section

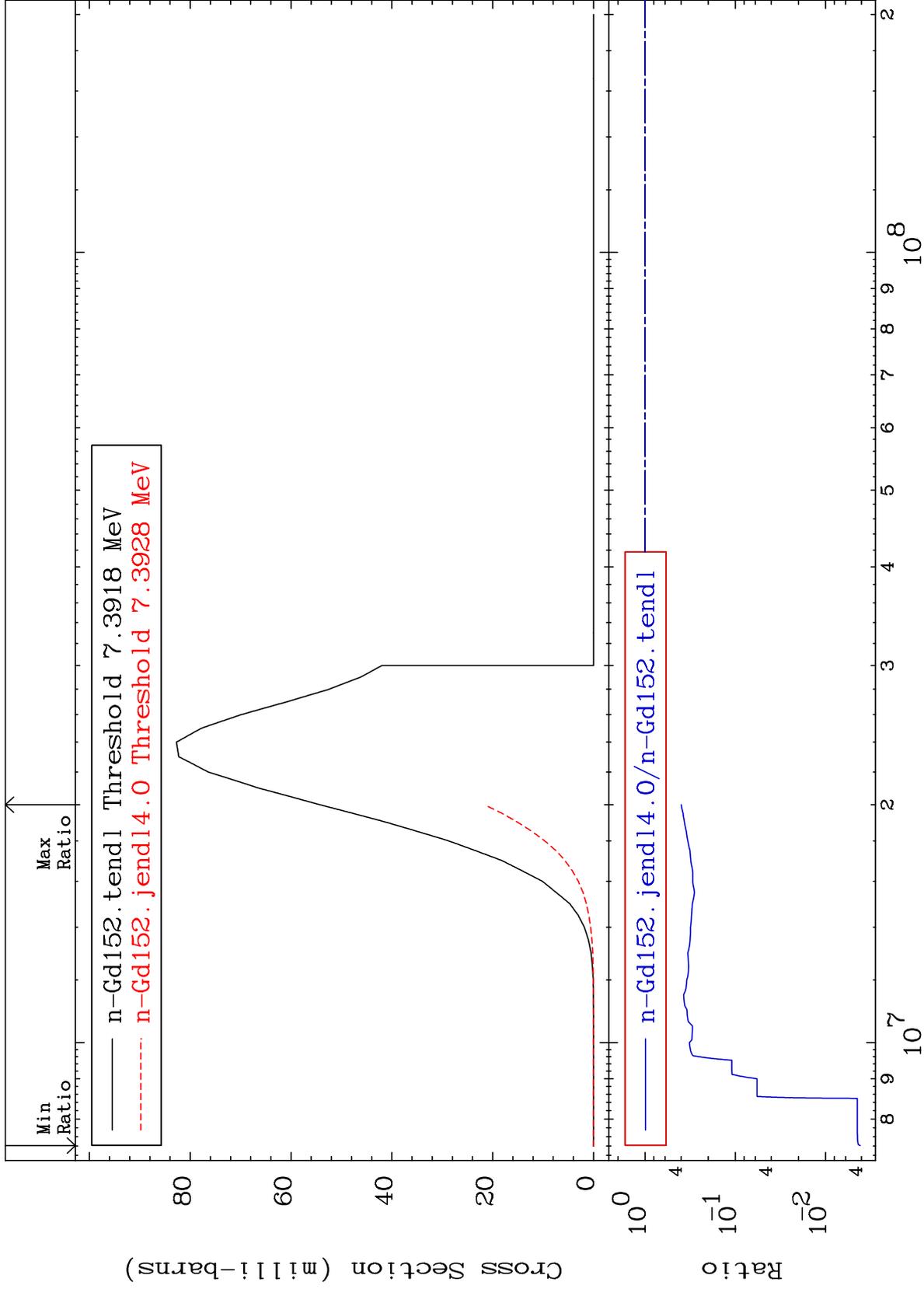
-100.0 To 9999. %



MAT 6425

(n,n') p
Cross Section

64-Gd-152
-99.59 To -60.15%



9

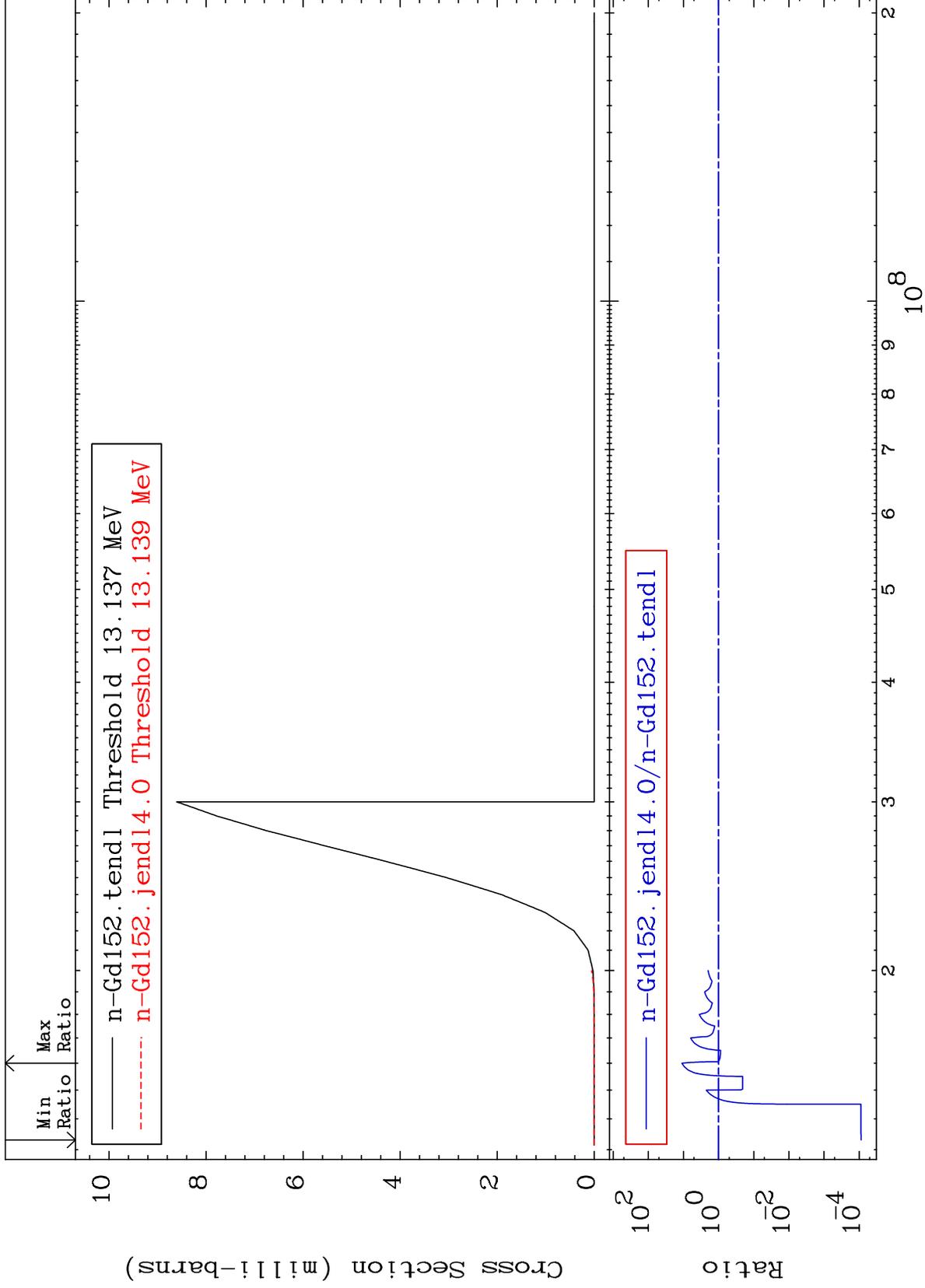
Incident Energy (eV)

64-Gd-152

MAT 6425

(n, n') d
Cross Section

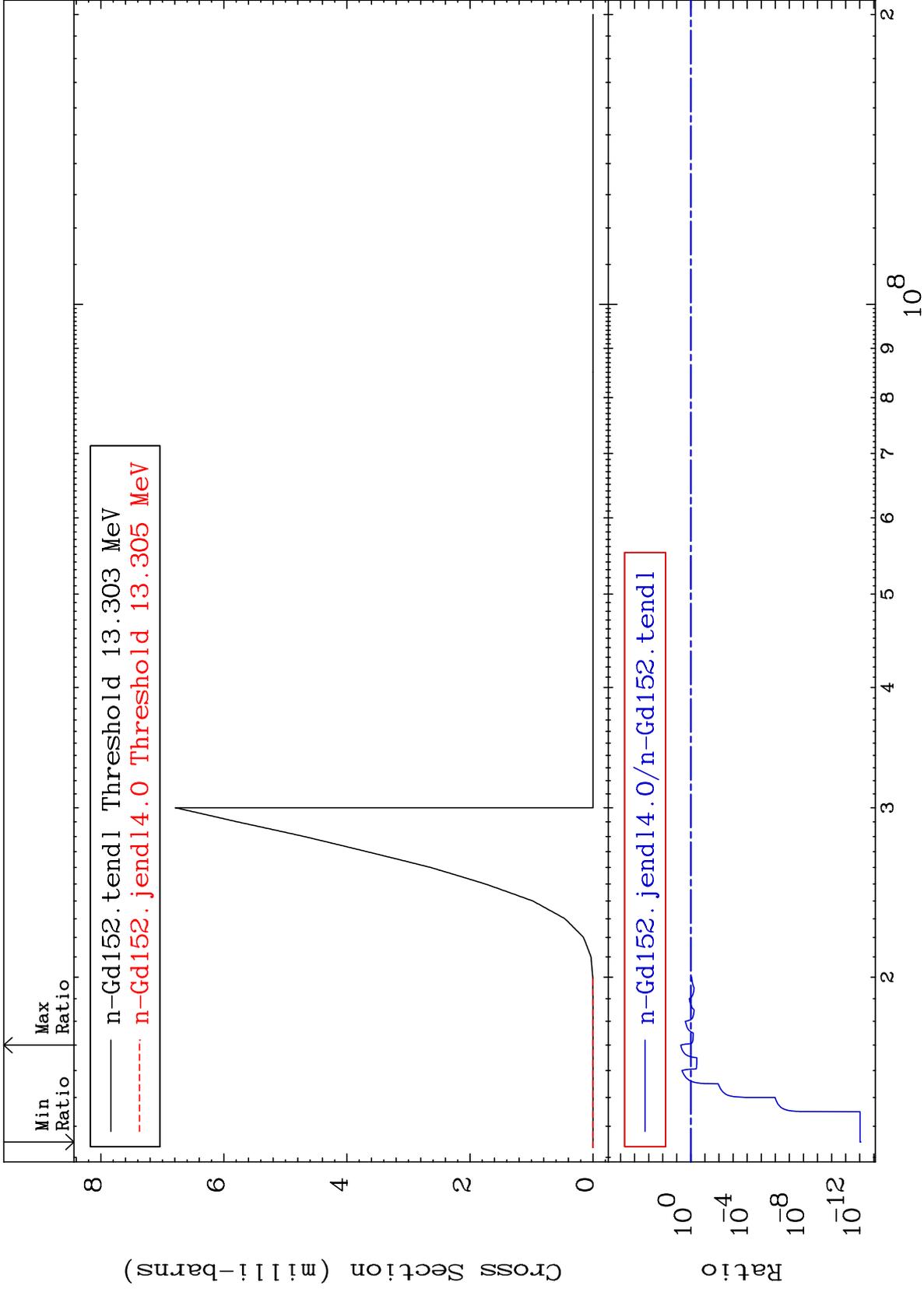
64-Gd-152
-99.99 To 1009. %



10

Incident Energy (eV)

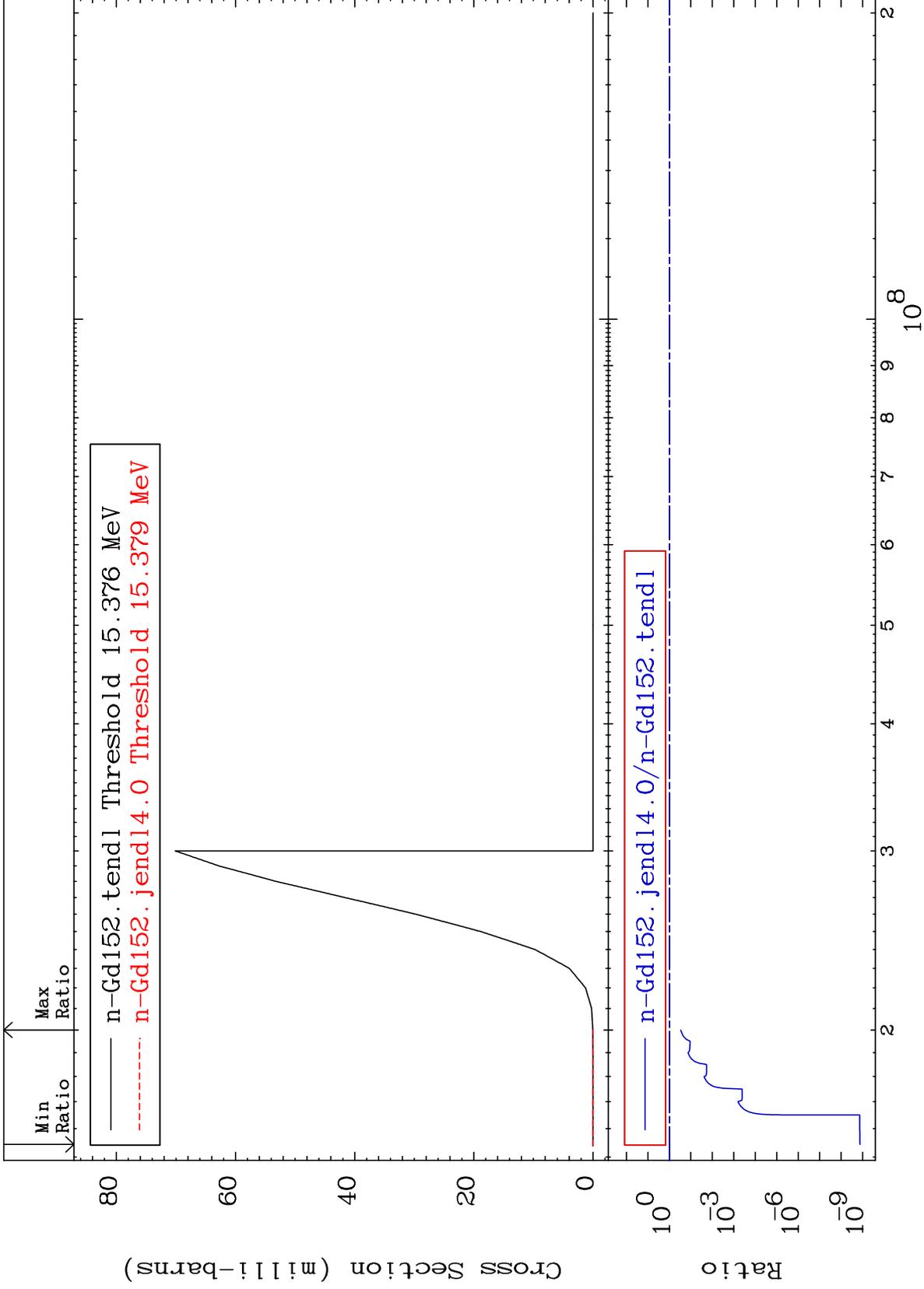
64-Gd-152



MAT 6425

(n,2n) p
Cross Section

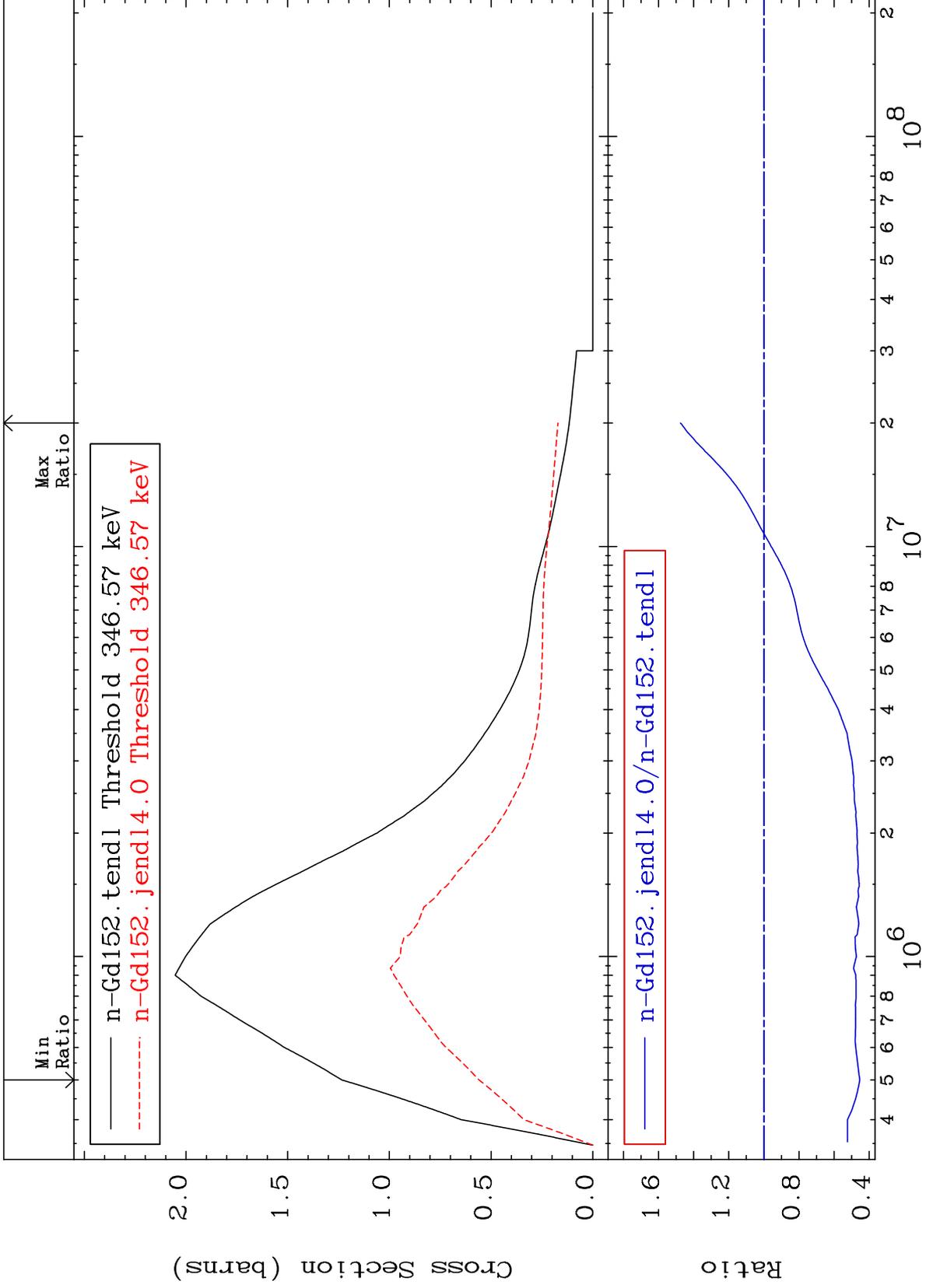
64-Gd-152
-100.0 To -70.56%



MAT 6425

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

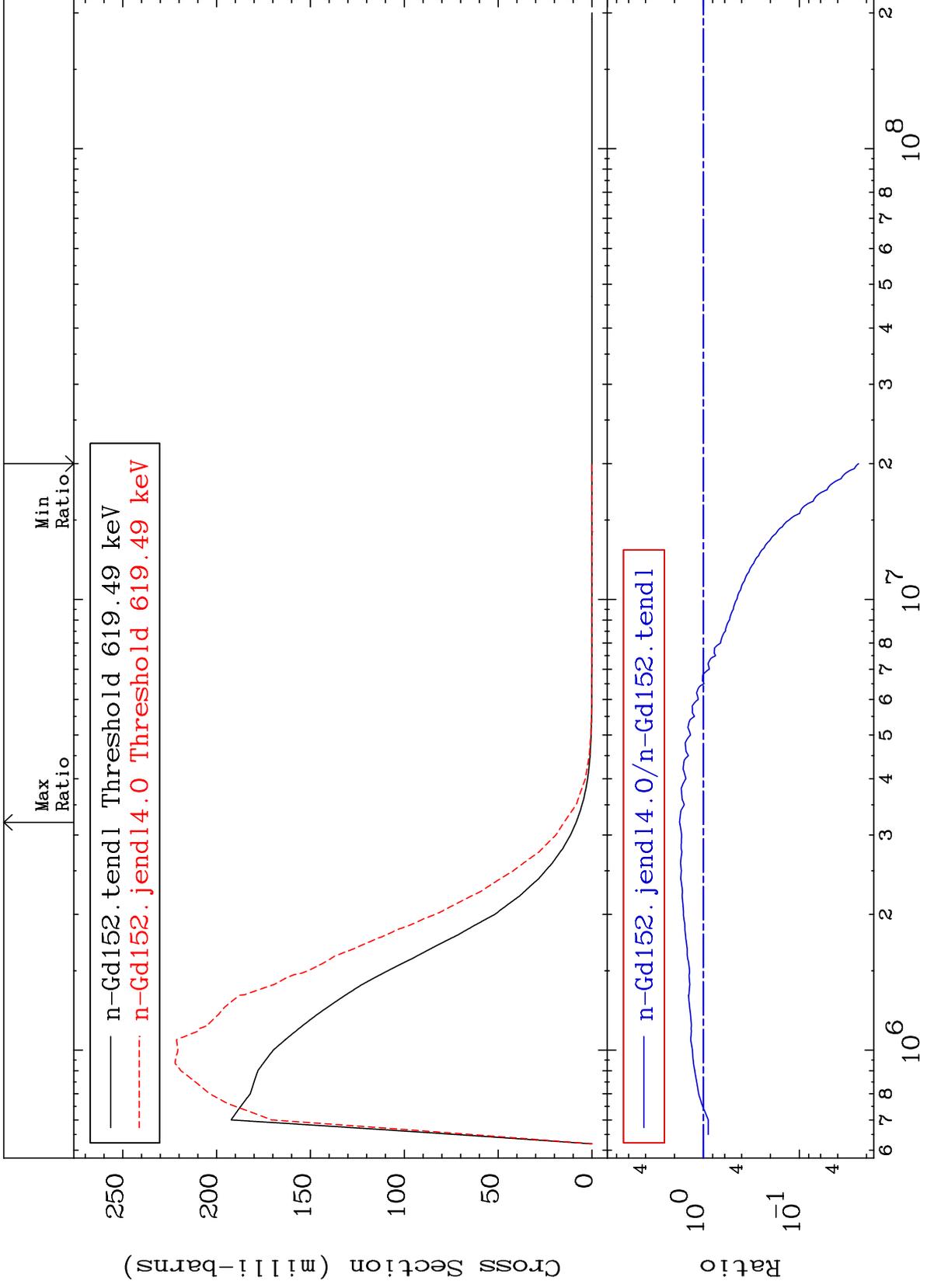
64-Gd-152
-54.68 To 47.51 %



MAT 6425

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

64-Gd-152
-97.58 To 76.98 %



14

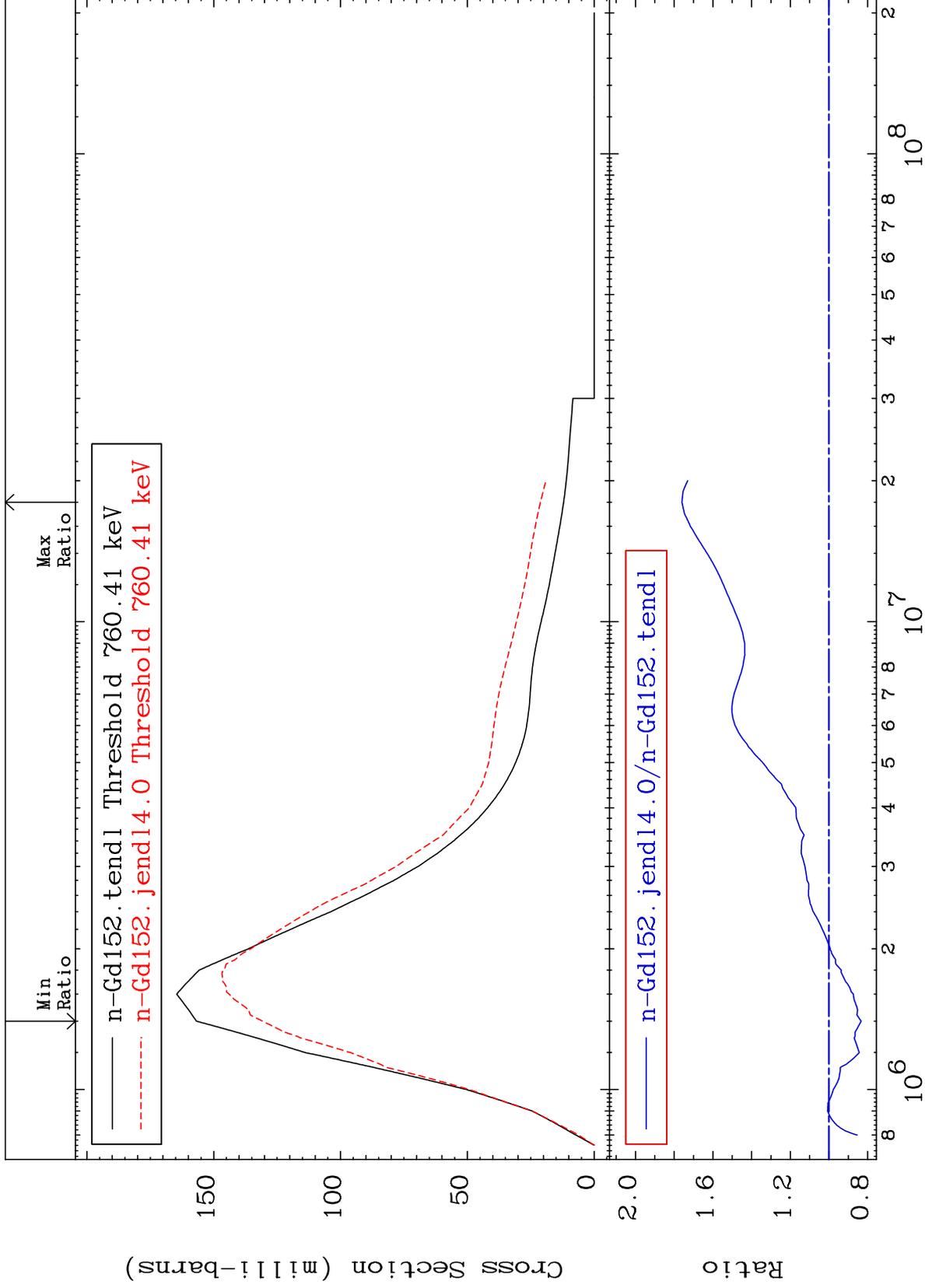
Incident Energy (eV)

64-Gd-152

MAT 6425

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

64-Gd-152
-16.61 To 76.00 %



15

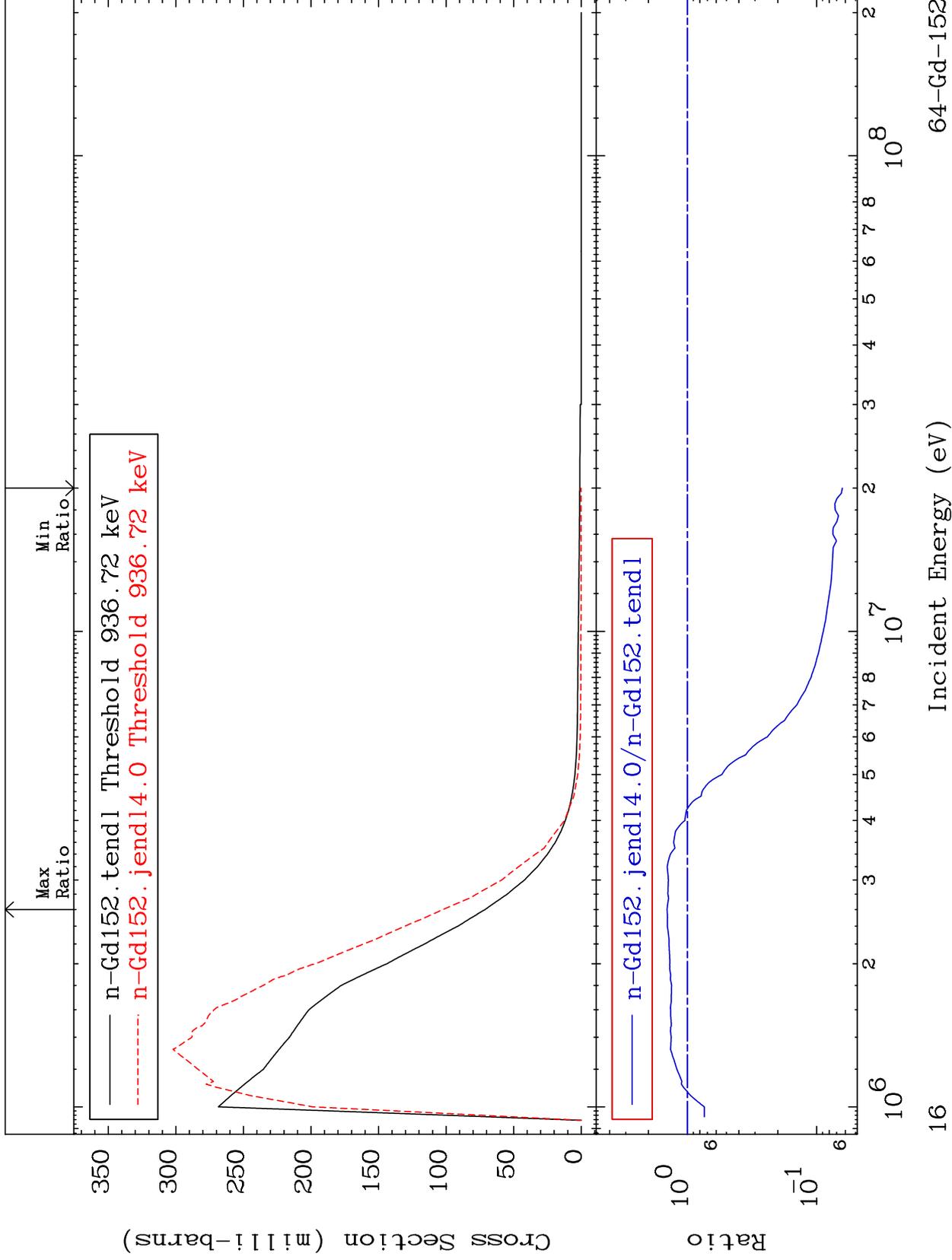
Incident Energy (eV)

64-Gd-152

MAT 6425

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

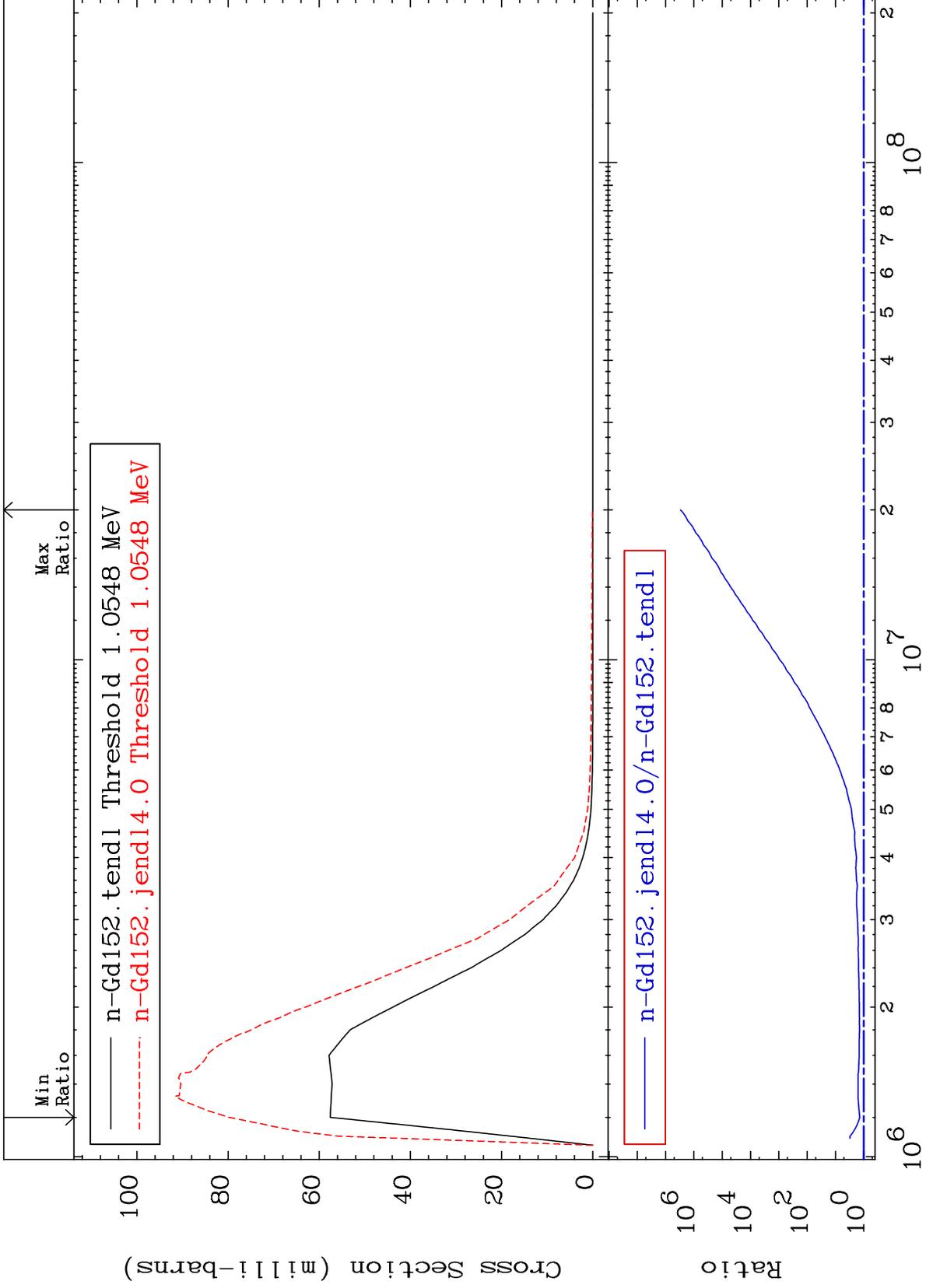
64-Gd-152
-93.67 To 43.76 %



MAT 6425

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

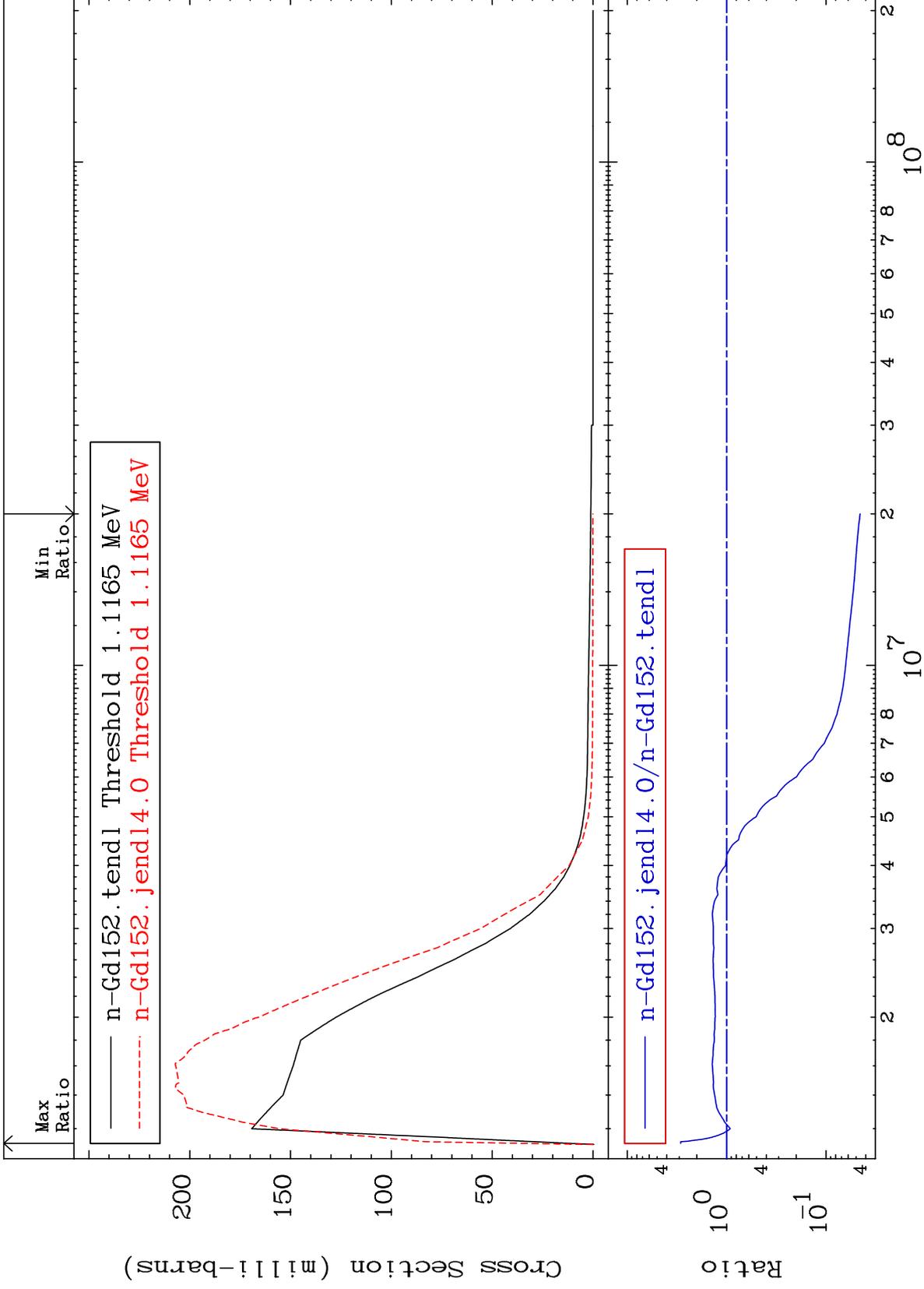
64-Gd-152
38.44 To 9999. %

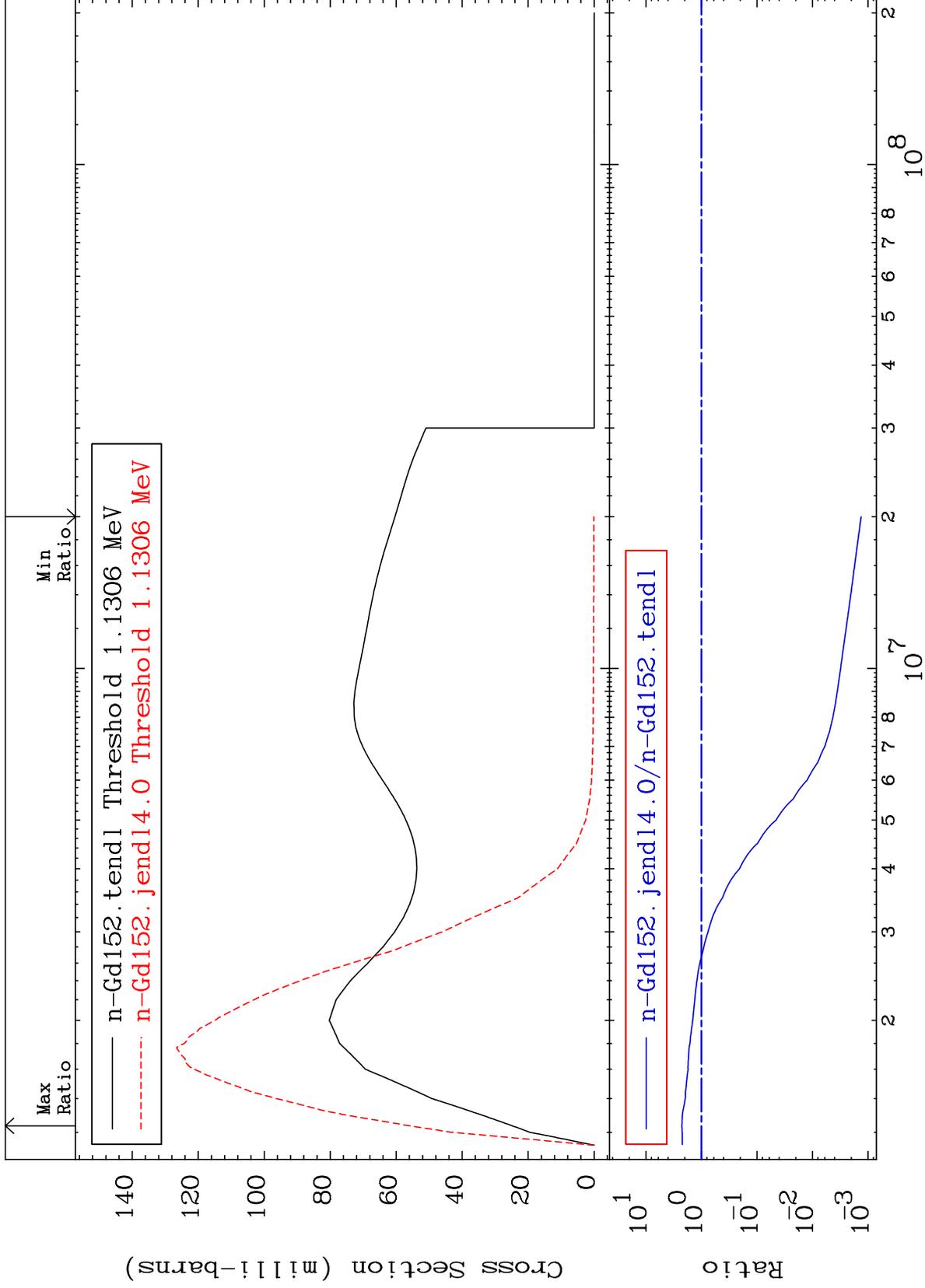


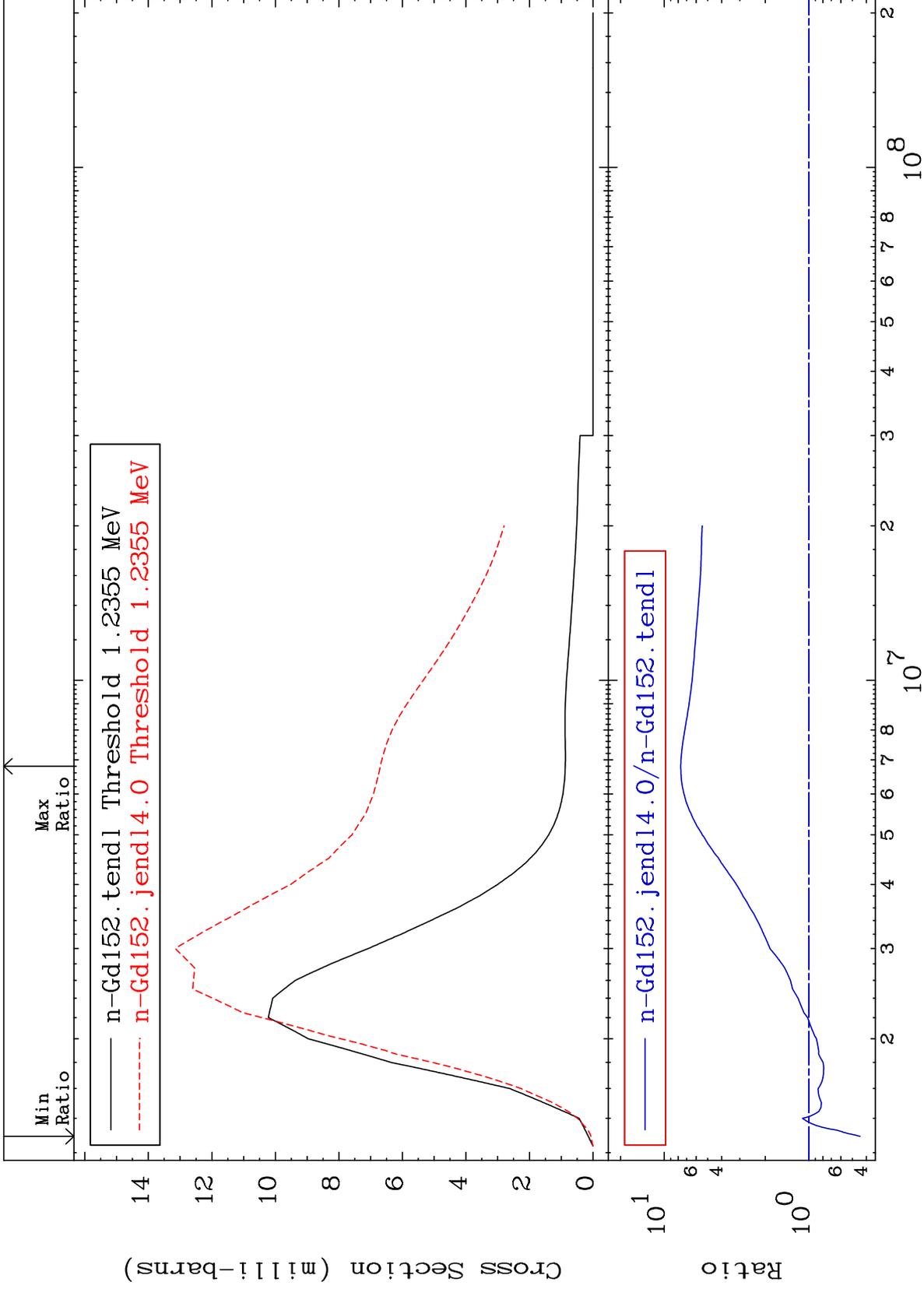
Incident Energy (eV)

64-Gd-152

17



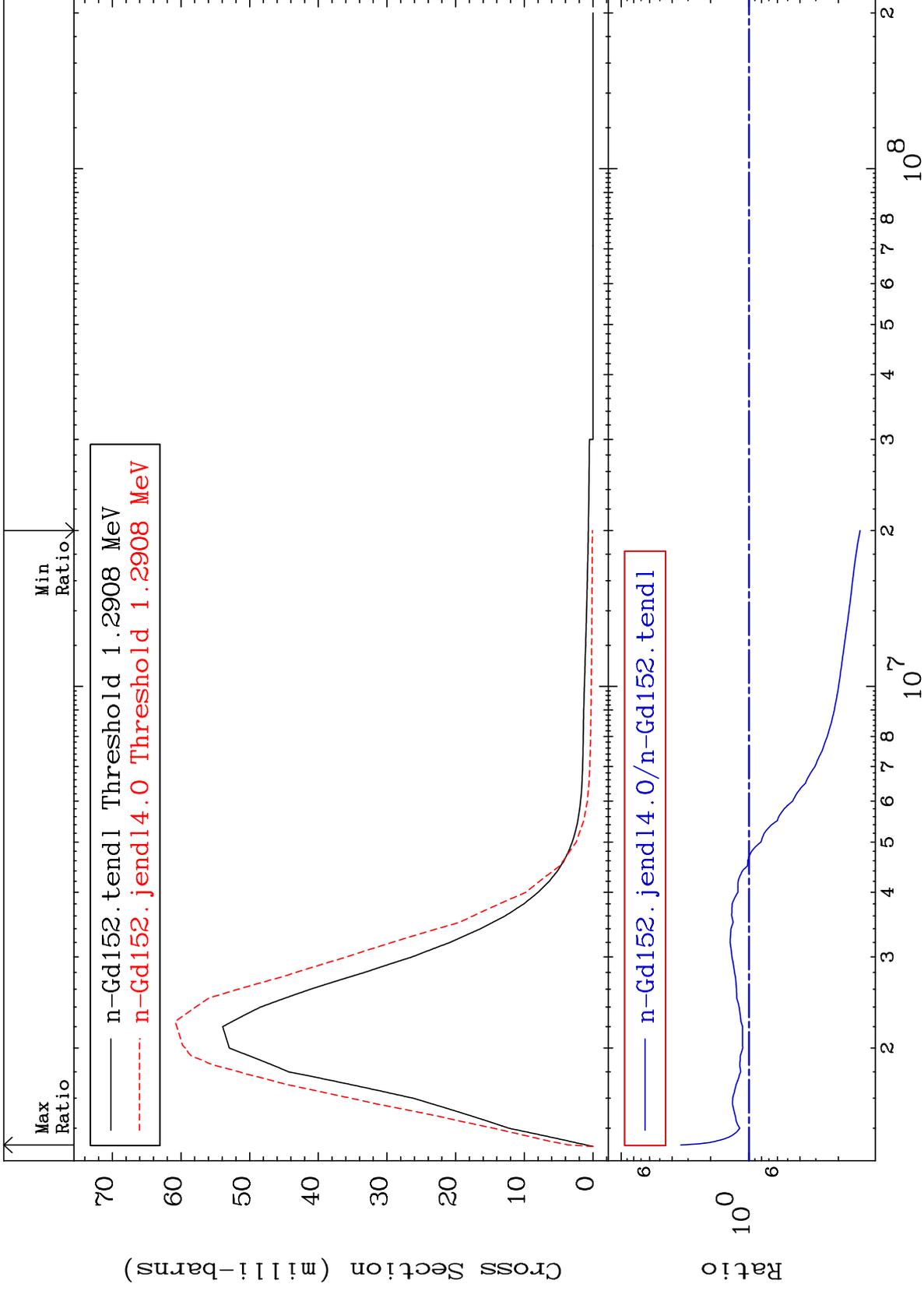




MAT 6425

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

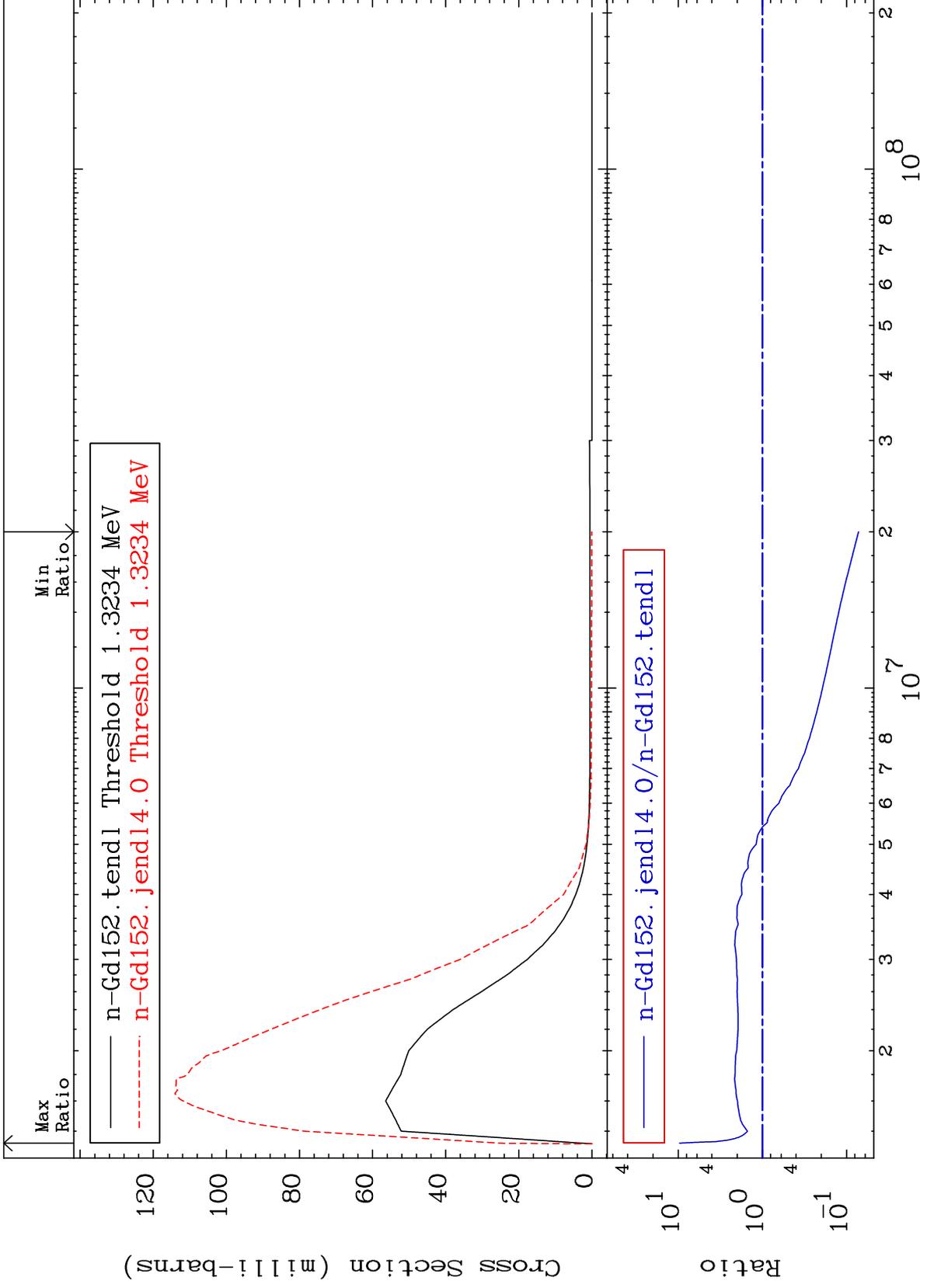
64-Gd-152
-86.46 To 242.4 %



MAT 6425

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

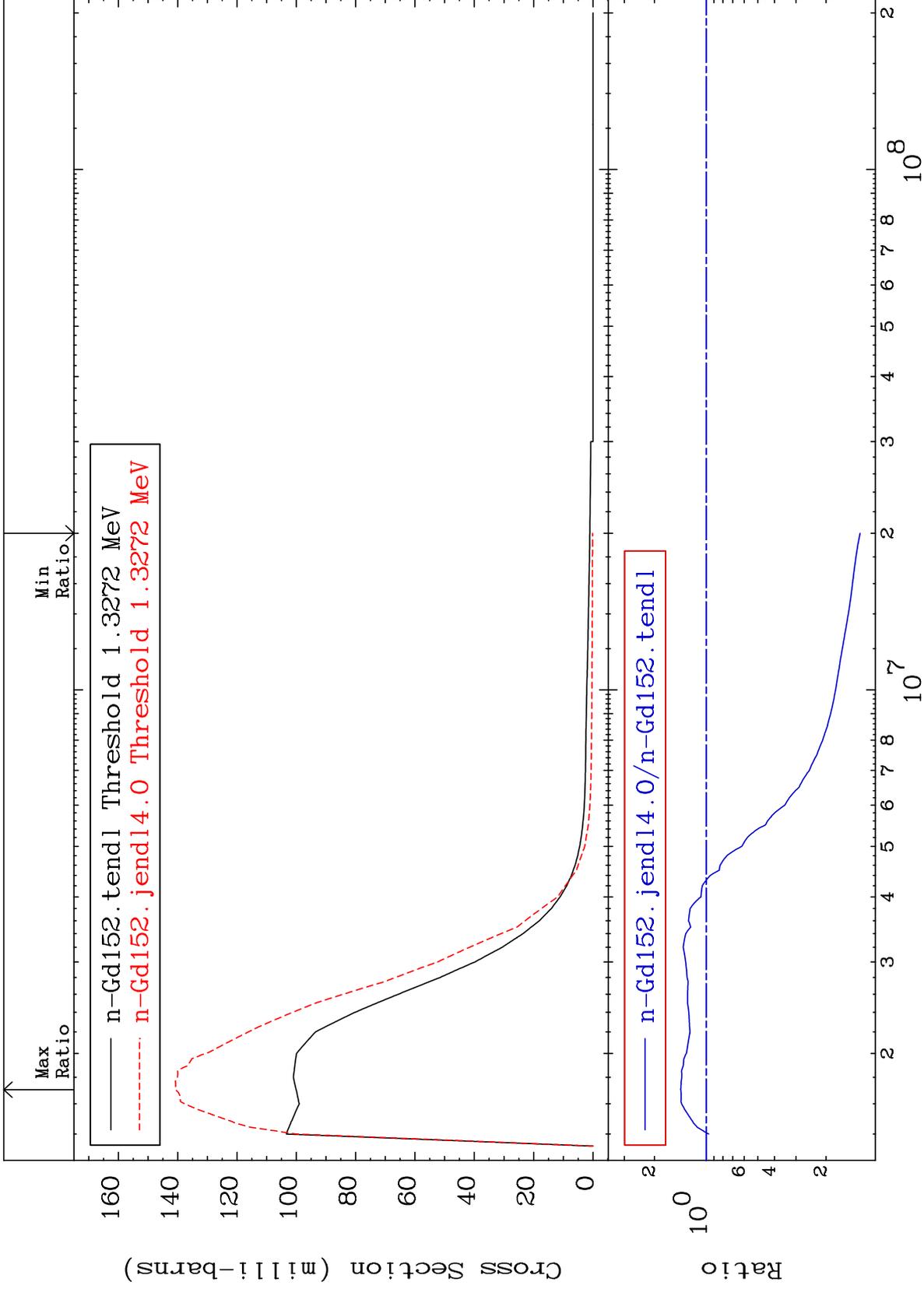
64-Gd-152
-92.79 To 867.6 %



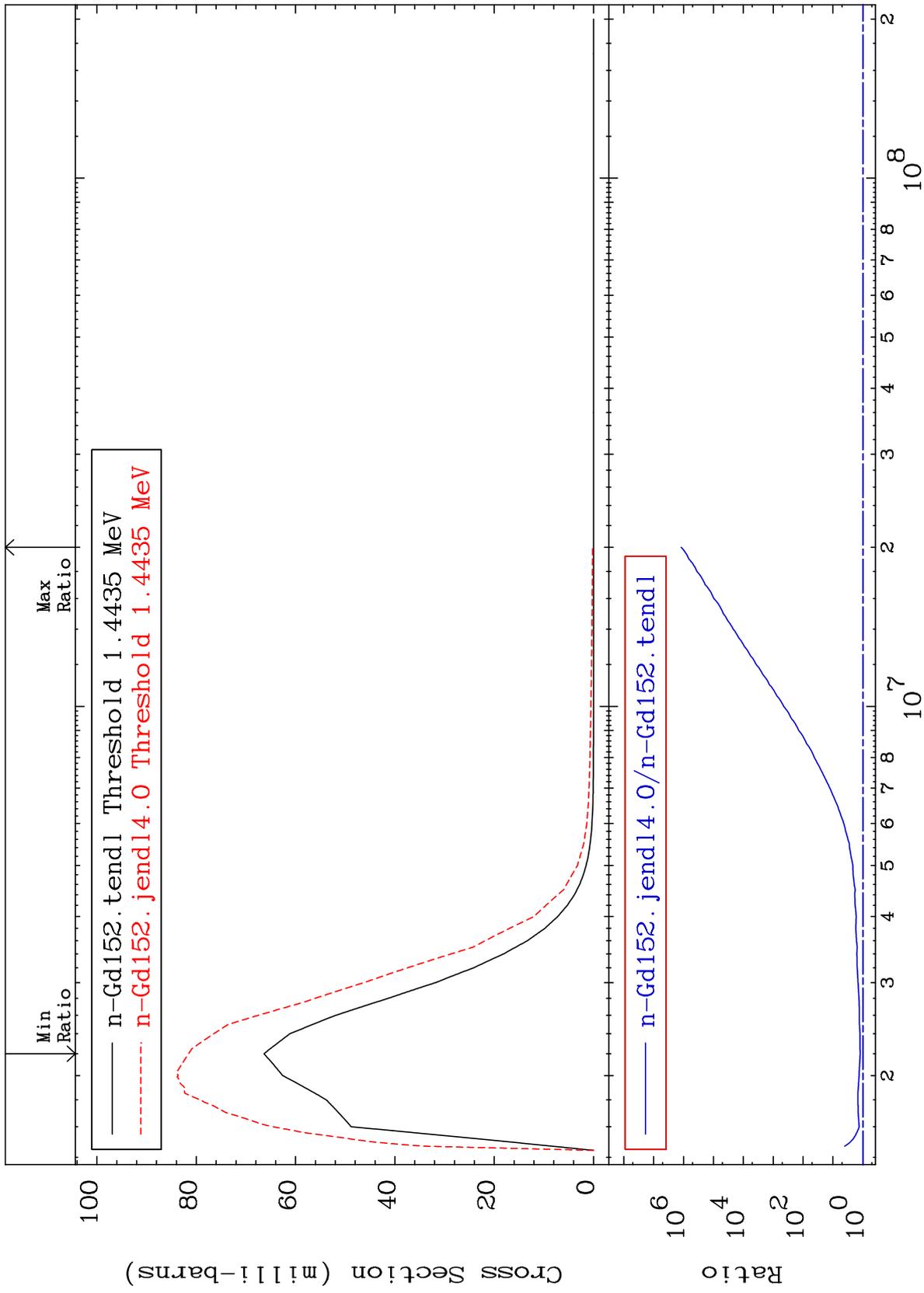
MAT 6425

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

64-Gd-152
-87.32 To 40.61 %



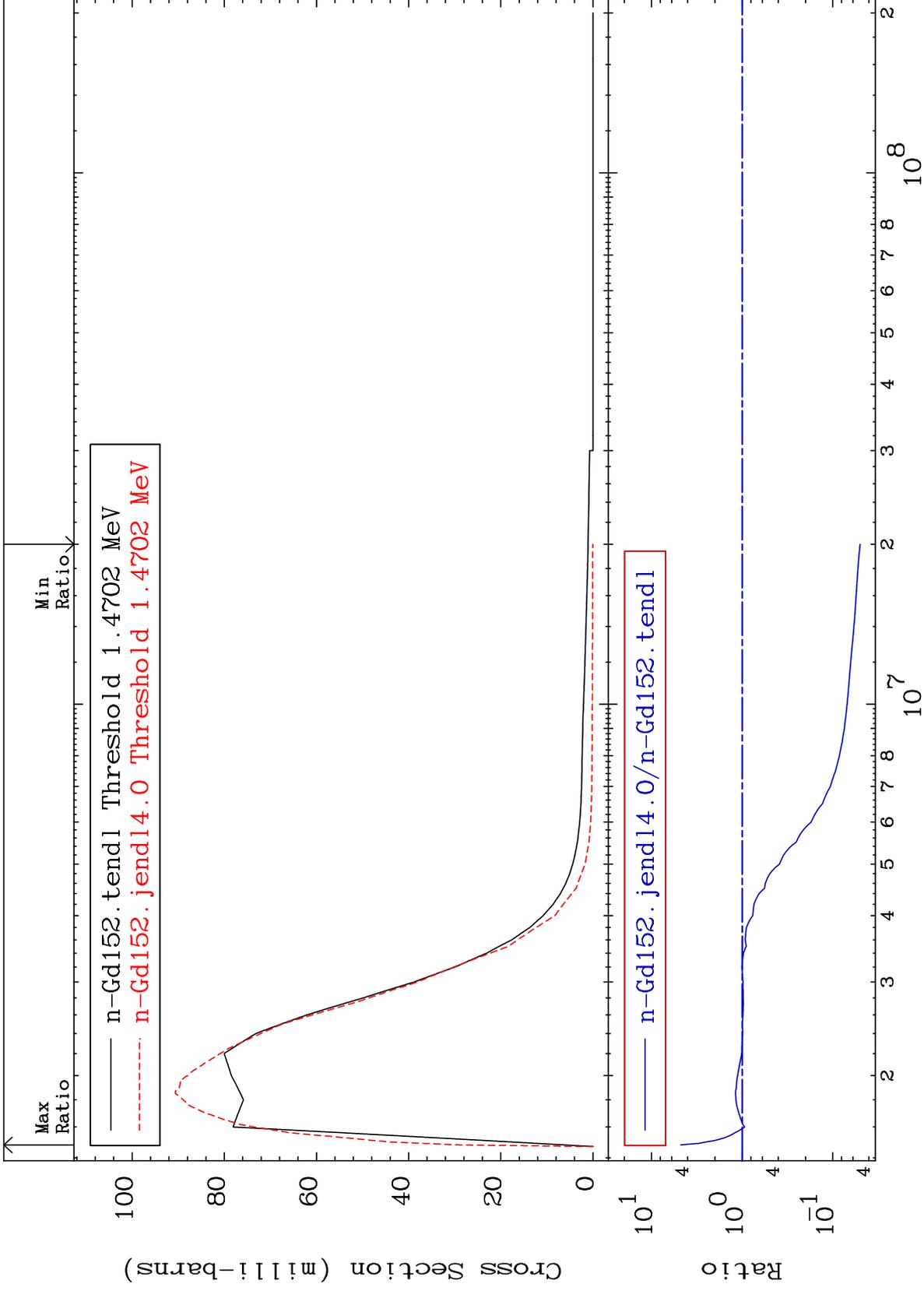
MAT 6425 MT= 62 (n, n') Level Cross Section 64-Gd-152 To 9999. %
 22.89



MAT 6425

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

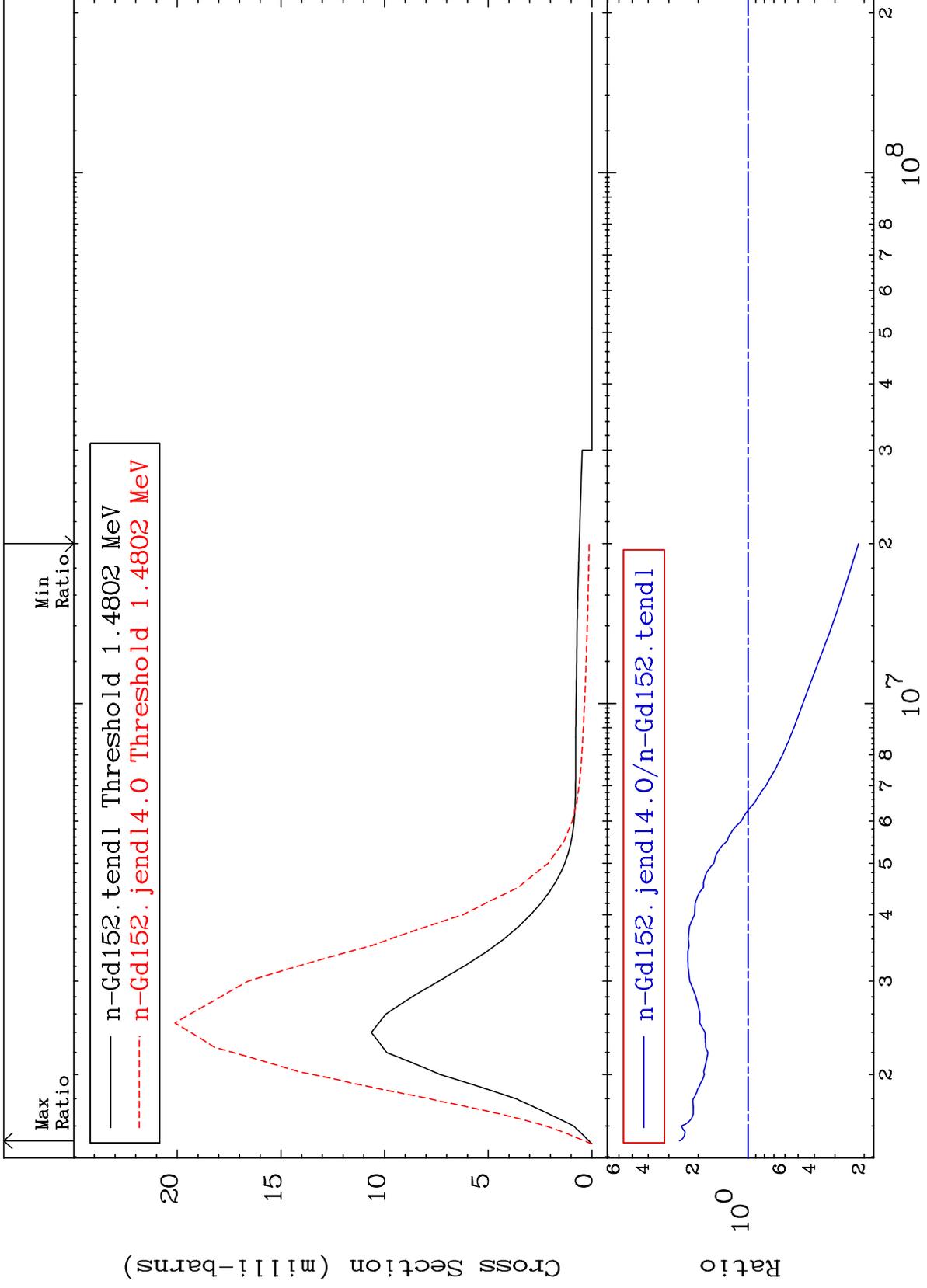
64-Gd-152
-95.00 To 376.3 %



MAT 6425

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

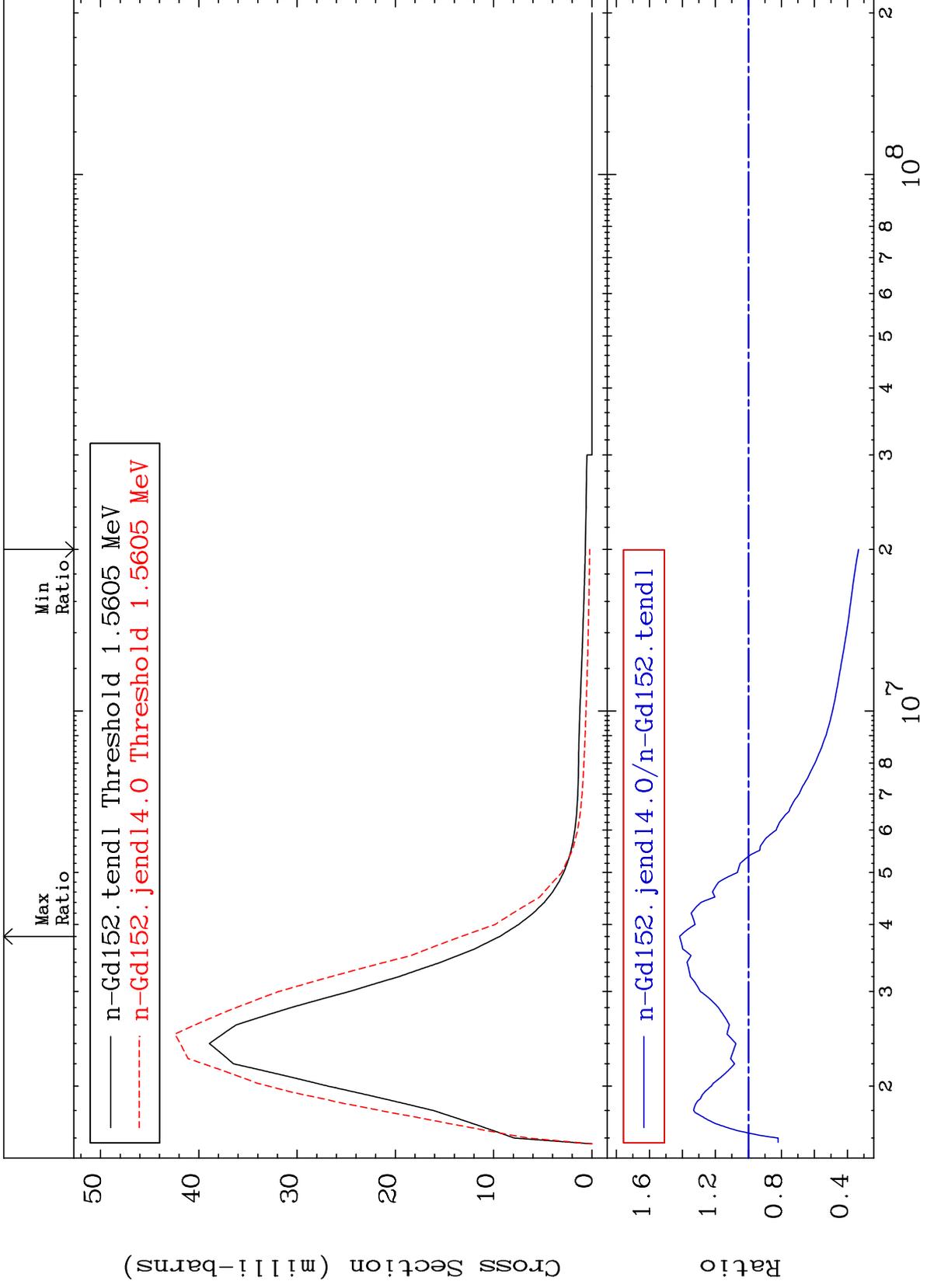
64-Gd-152
-78.35 To 158.9 %



MAT 6425

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

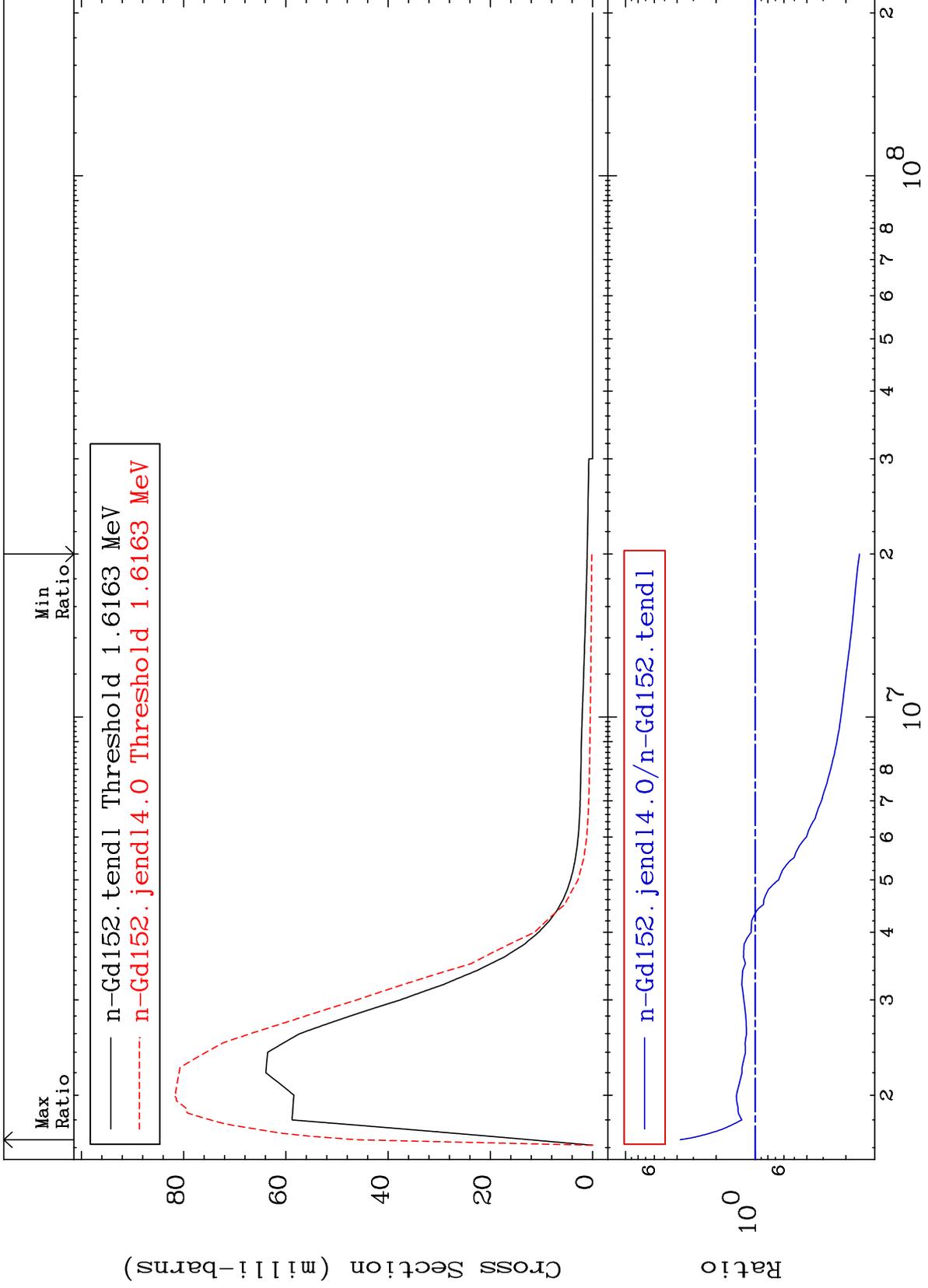
64-Gd-152
-66.71 To 41.73 %



MAT 6425

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

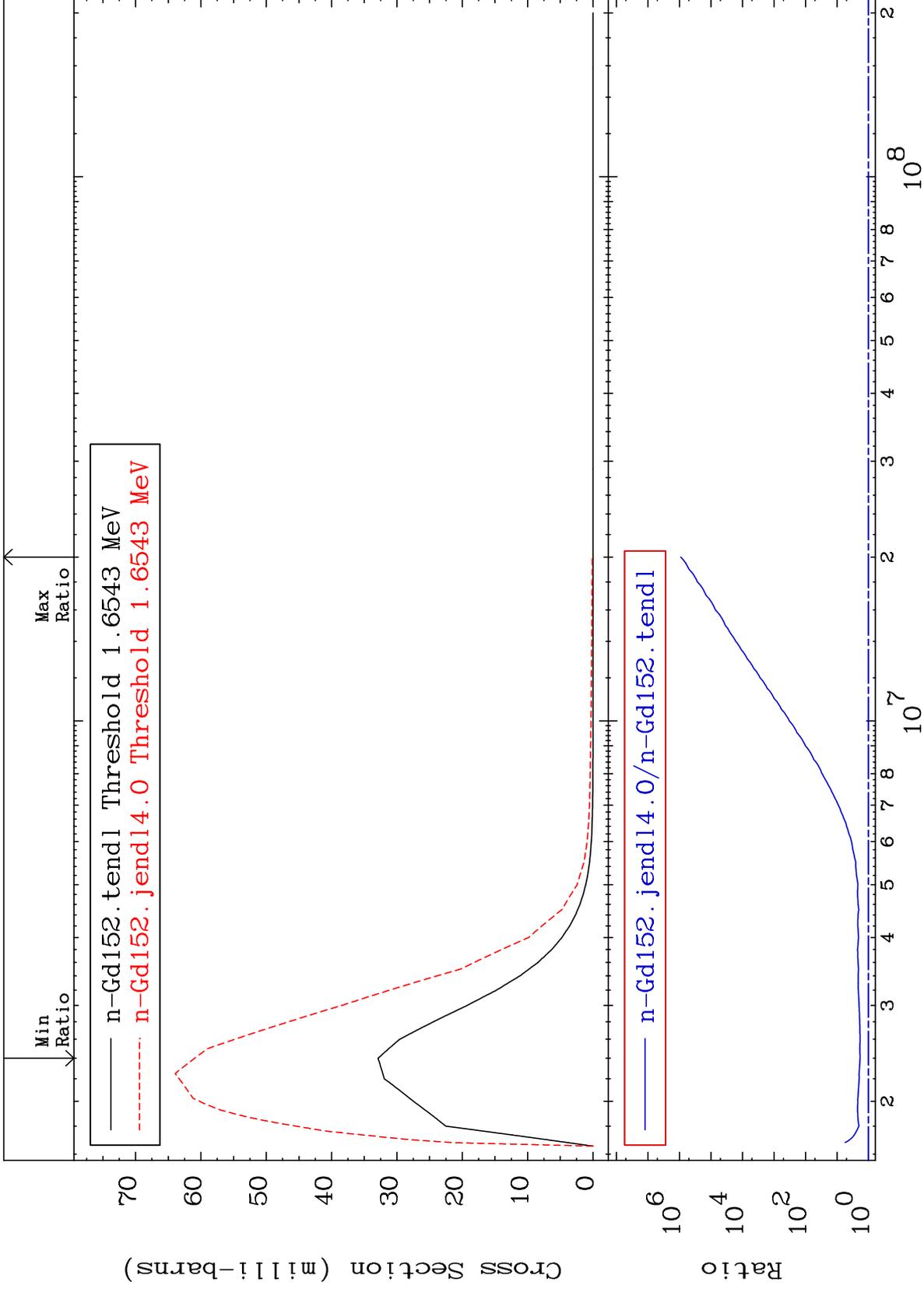
64-Gd-152
-84.27 To 278.3 %



MAT 6425

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

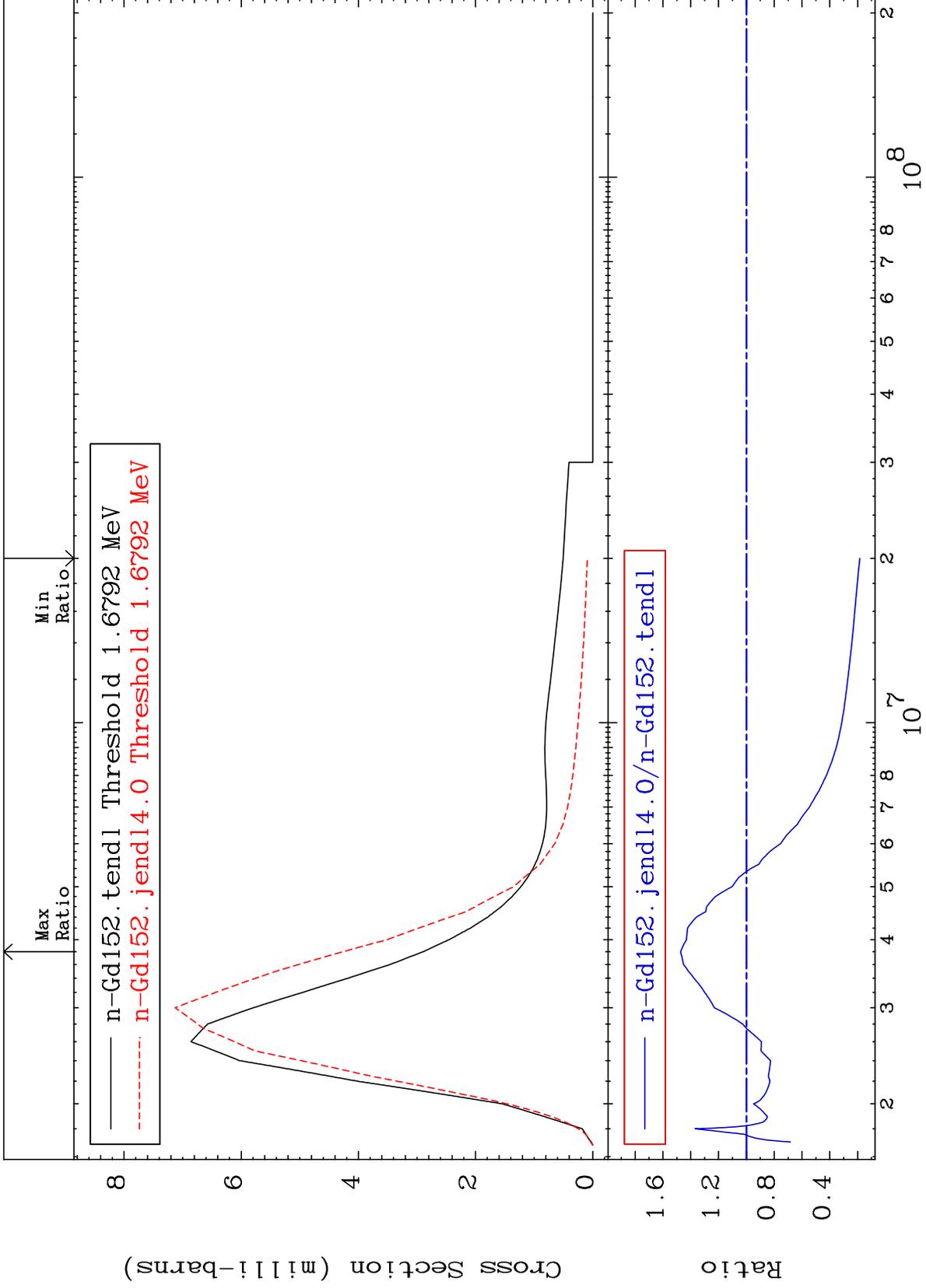
64-Gd-152
85.31 To 9999. %



MAT 6425

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

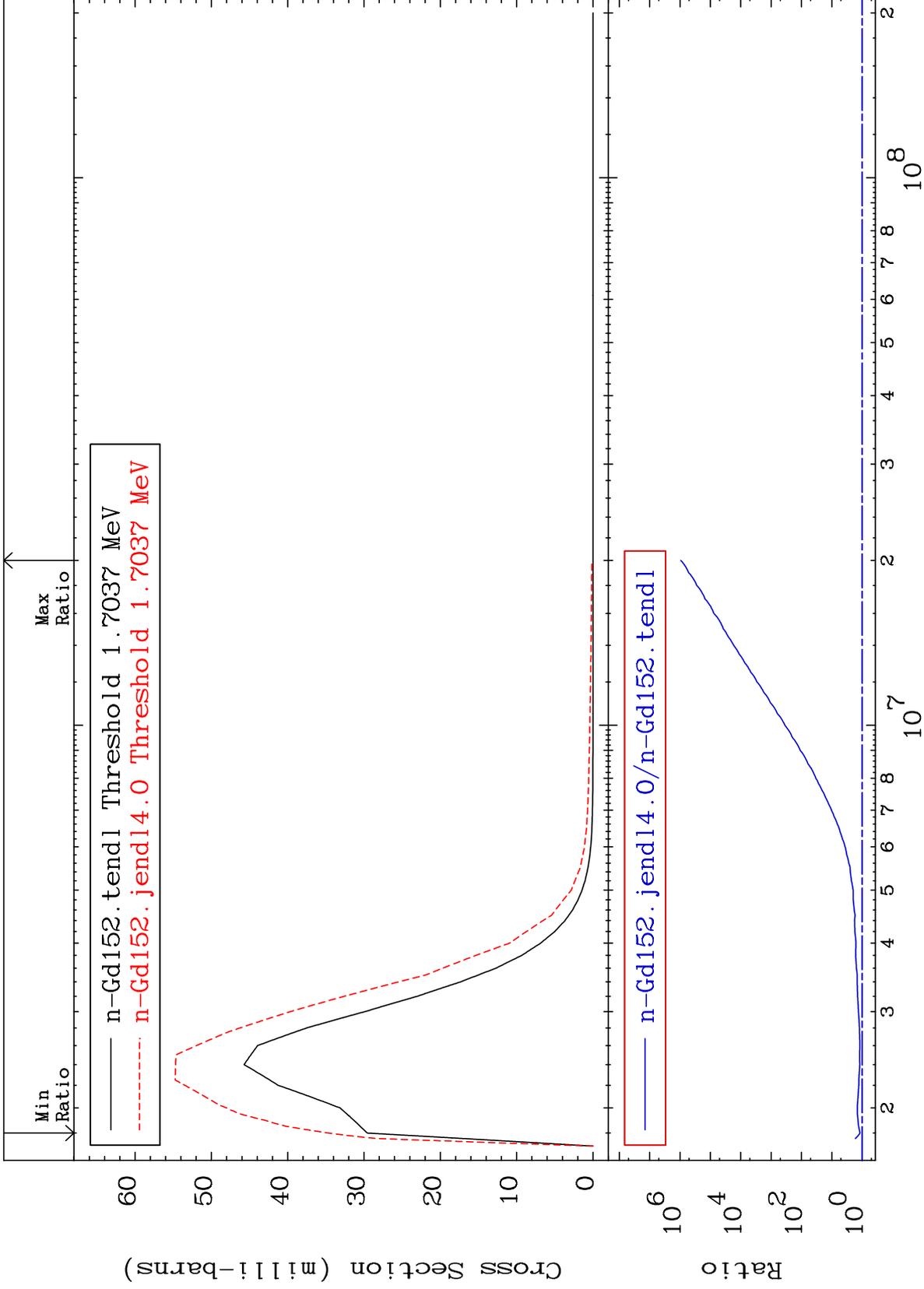
64-Gd-152
-81.57 To 47.35 %



MAT 6425

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

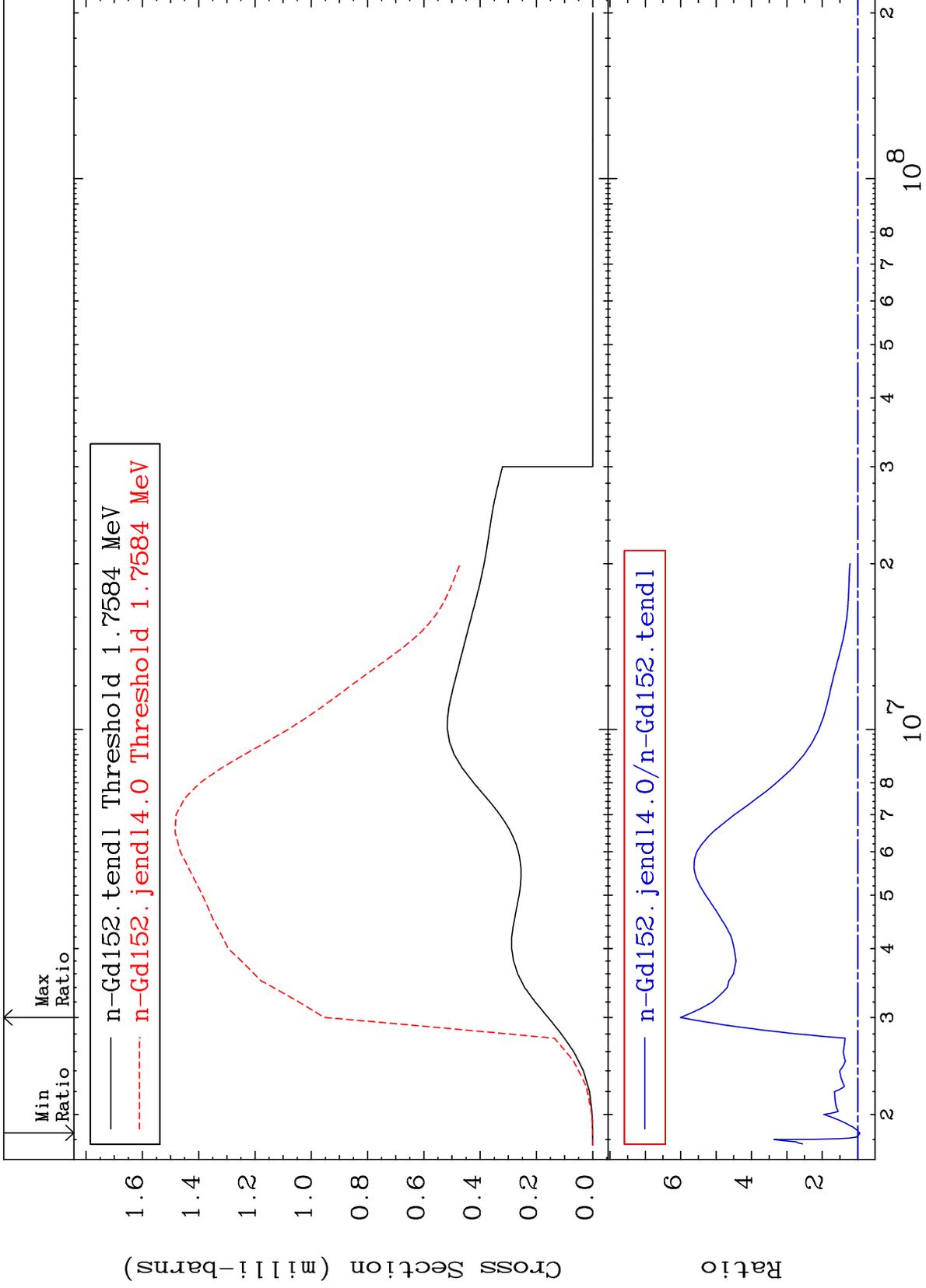
64-Gd-152
17.14 To 9999. %



MAT 6425

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

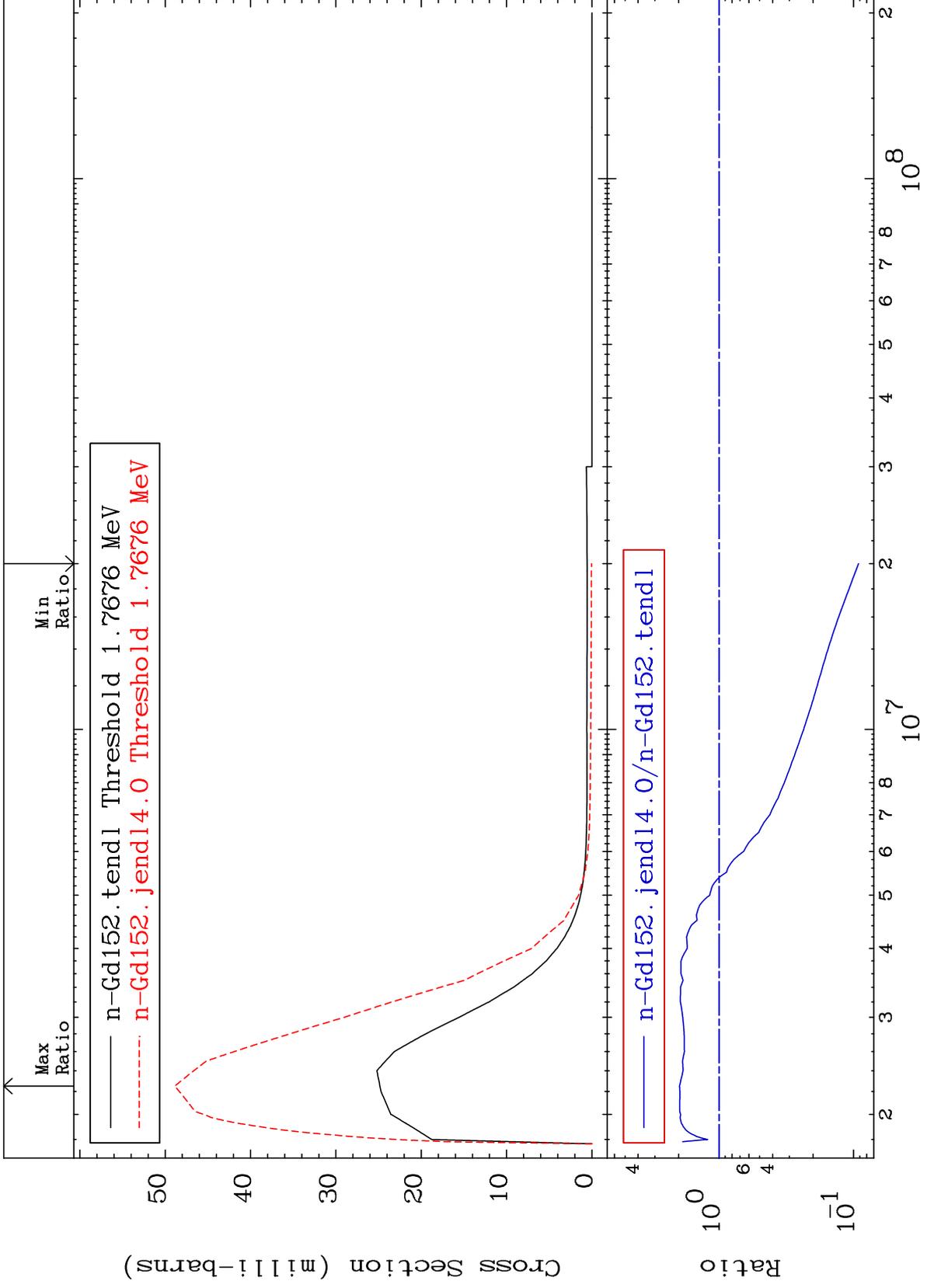
64-Gd-152
-6.021 To 500.5 %



MAT 6425

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

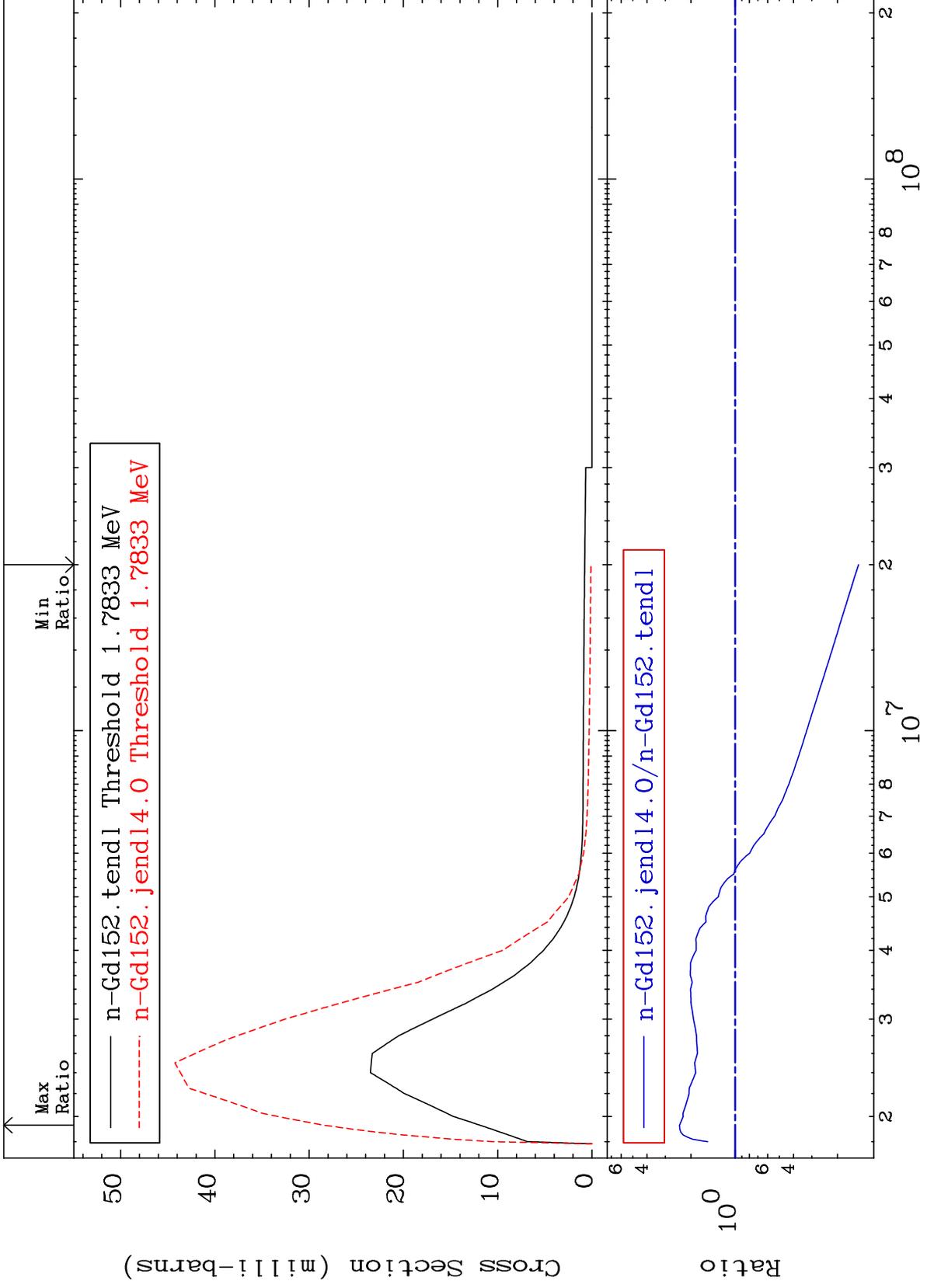
64-Gd-152
-90.81 To 96.75 %



MAT 6425

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

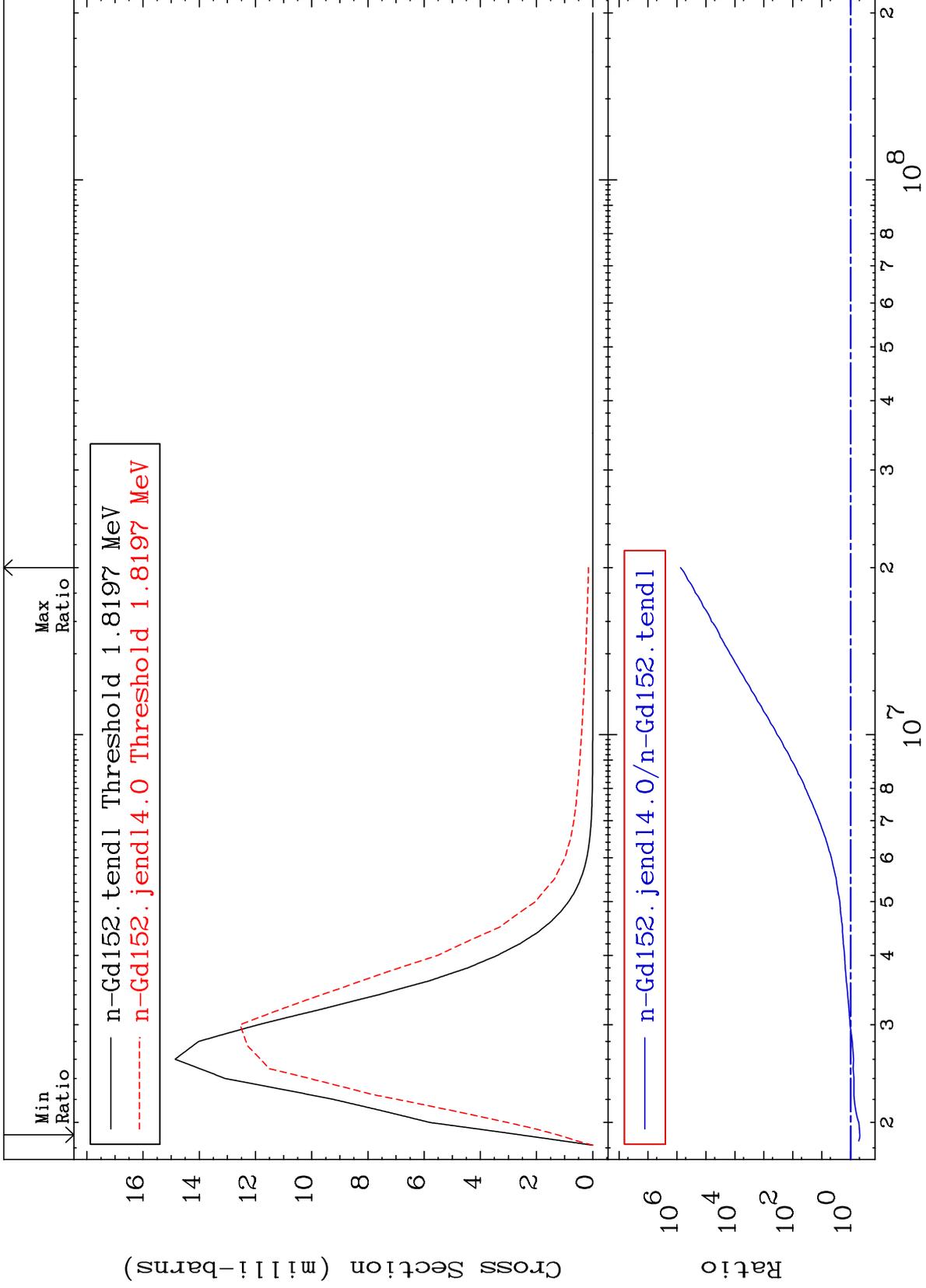
64-Gd-152
-85.62 To 139.6 %



MAT 6425

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

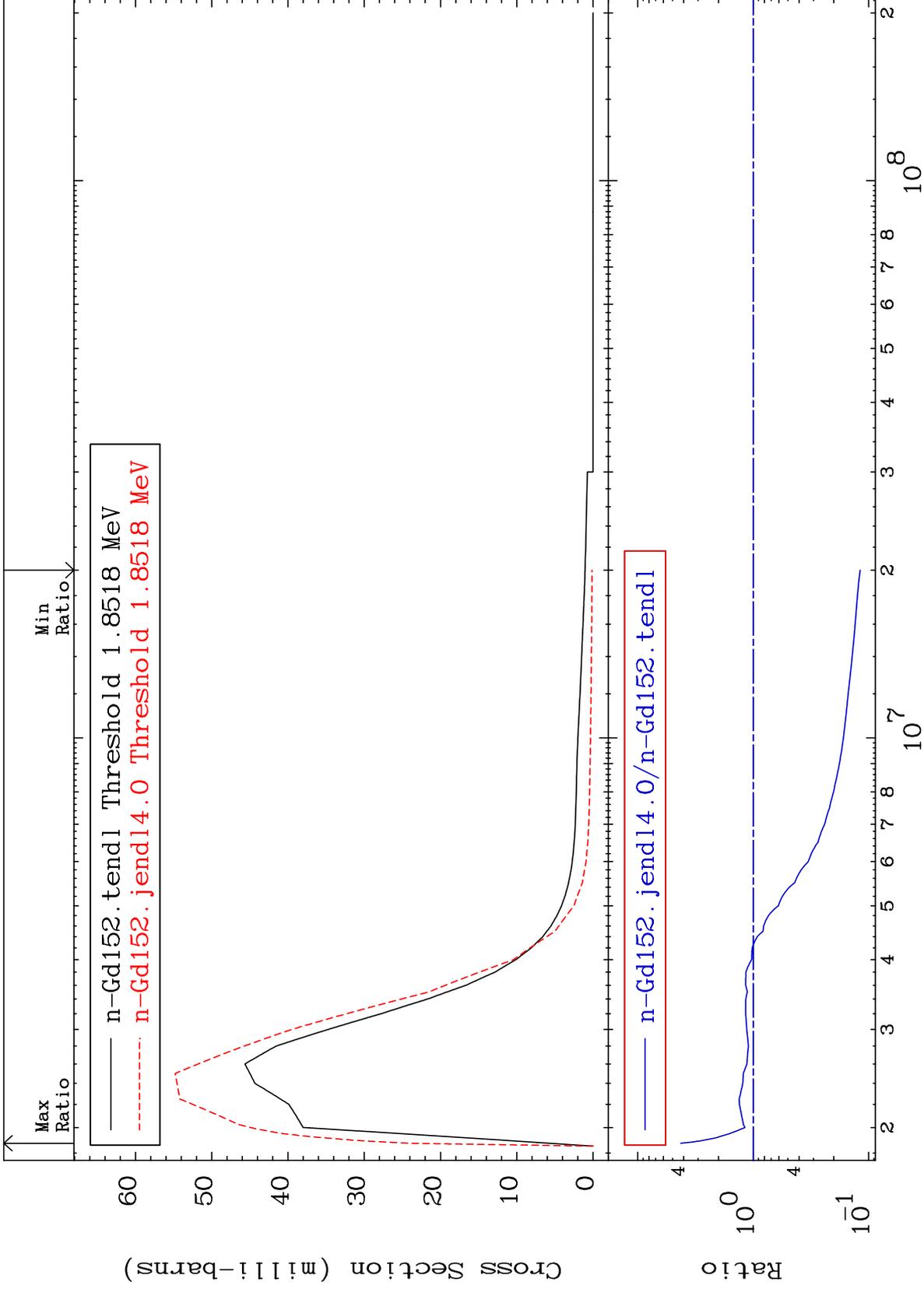
64-Gd-152
-51.53 To 9999. %



MAT 6425

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

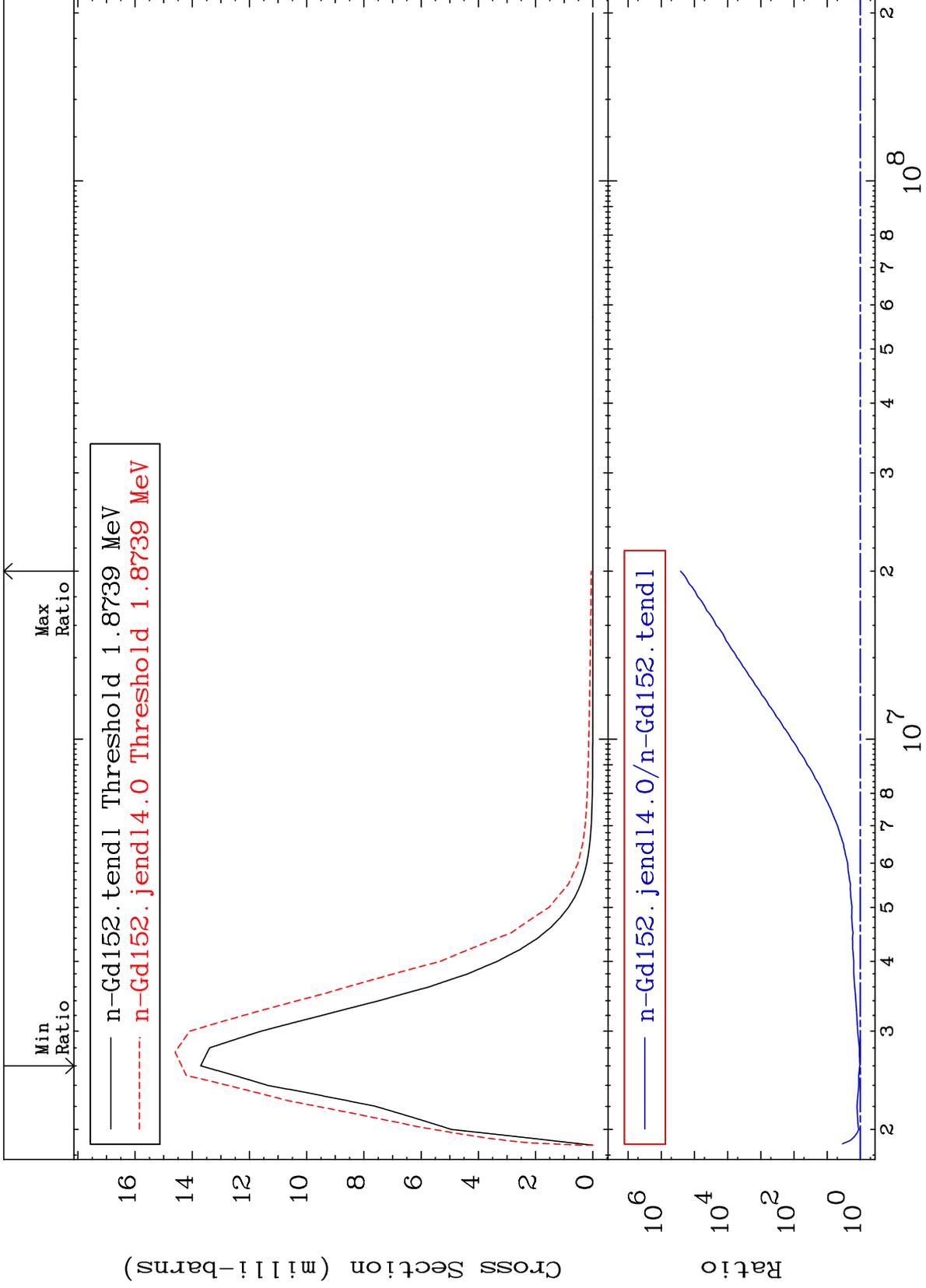
64-Gd-152
-88.16 To 324.3 %



MAT 6425

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

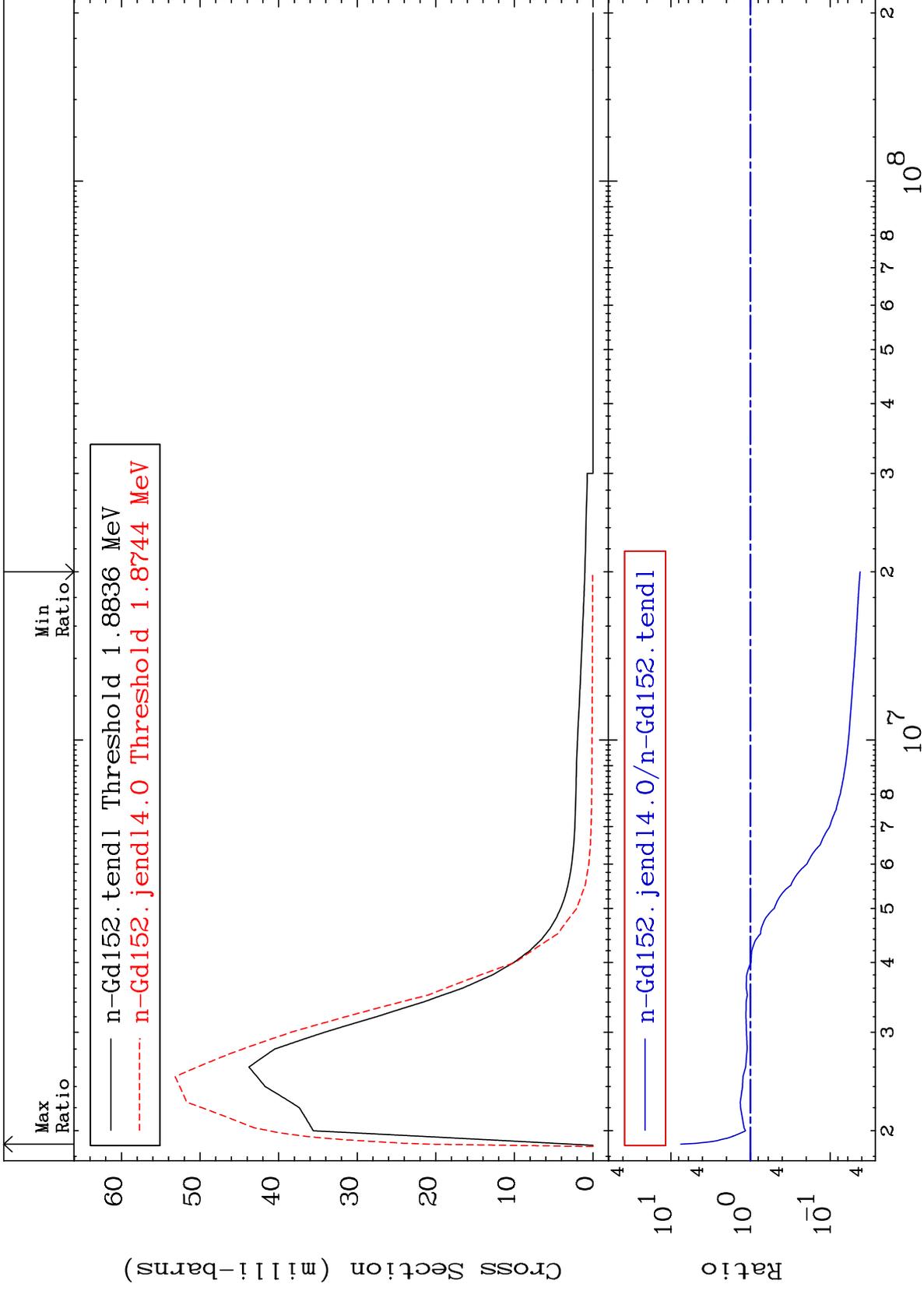
64-Gd-152
4.843 To 9999. %



MAT 6425

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

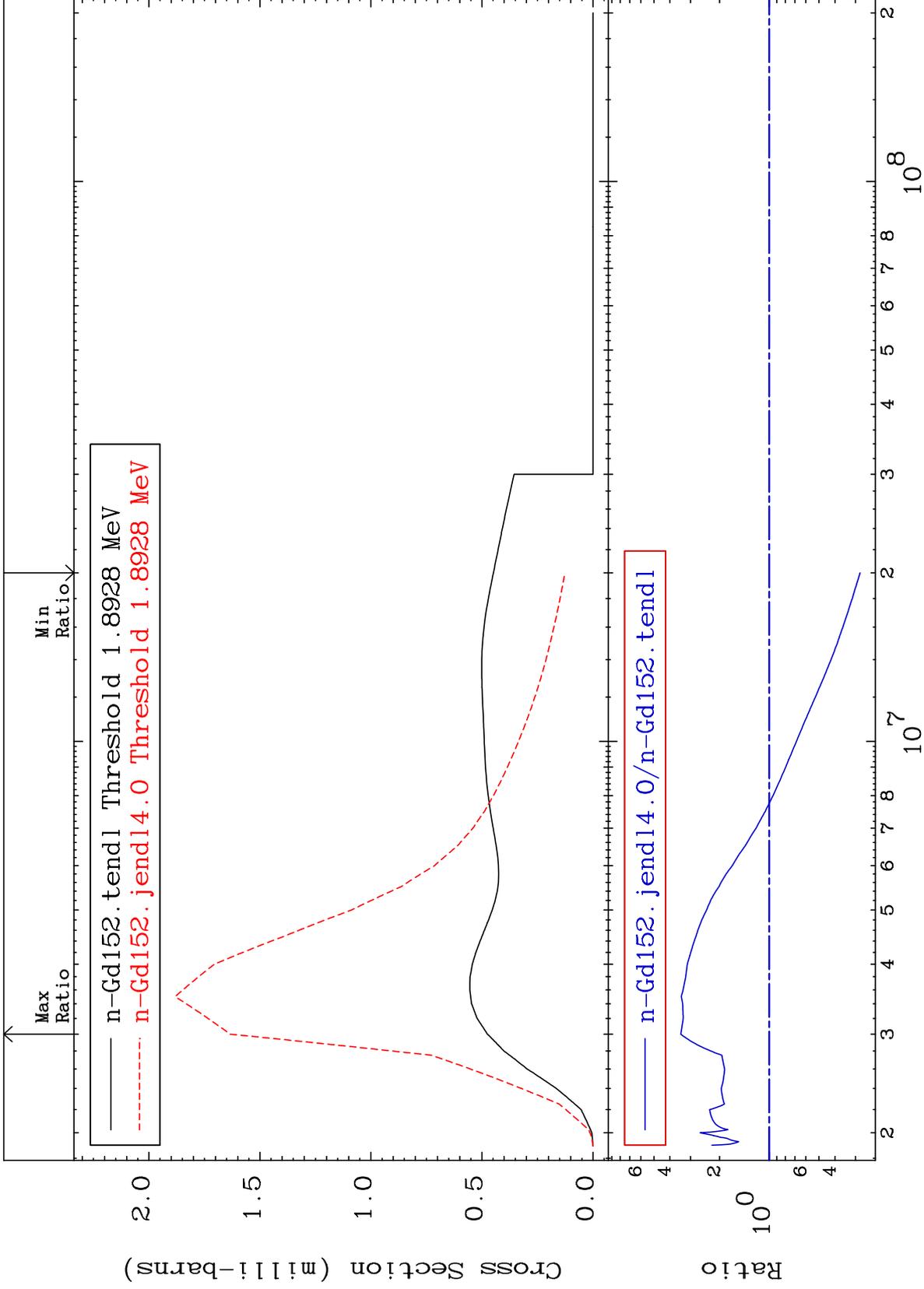
64-Gd-152
-95.79 To 650.7 %



MAT 6425

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

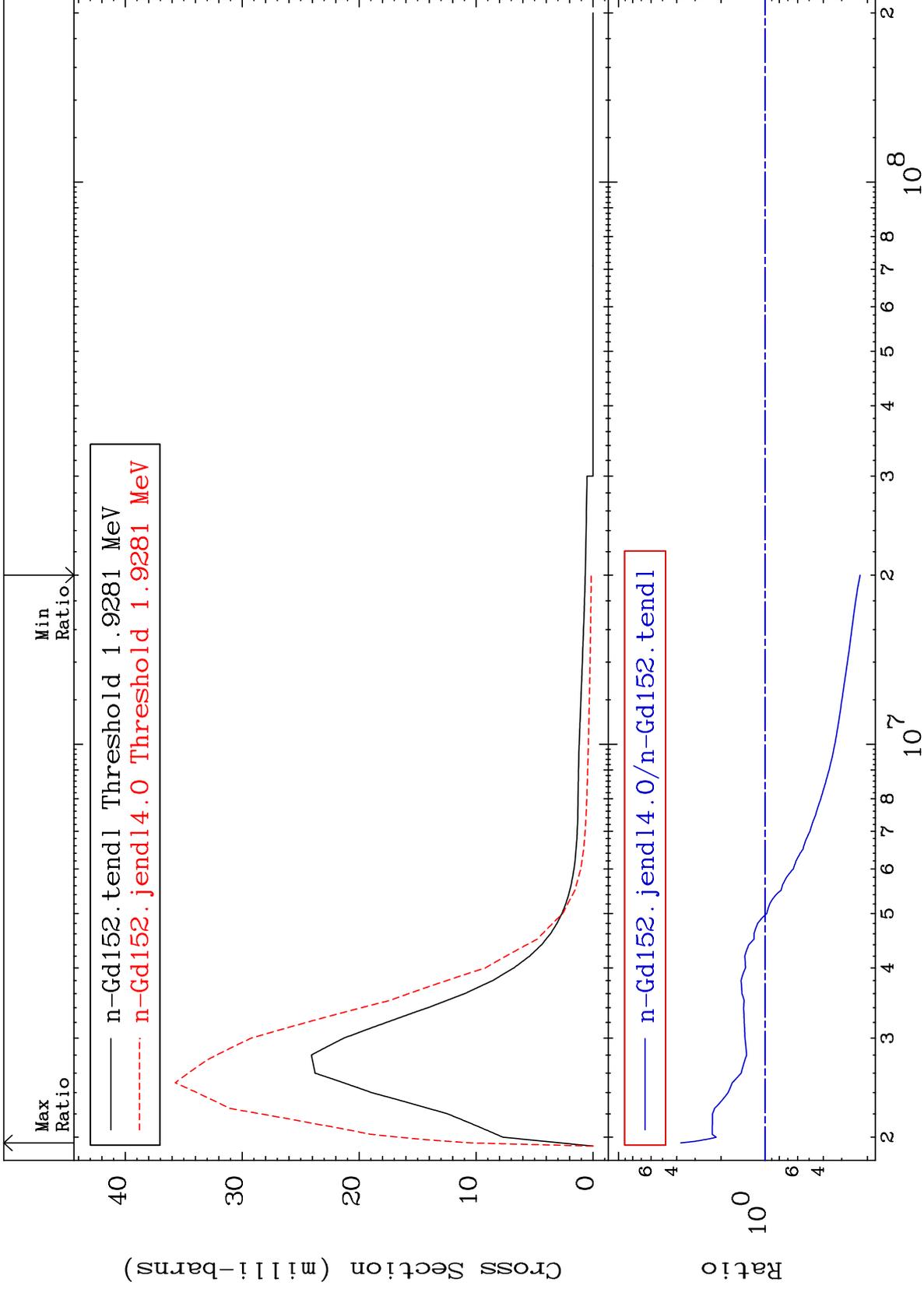
64-Gd-152
-71.84 To 243.9 %



MAT 6425

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

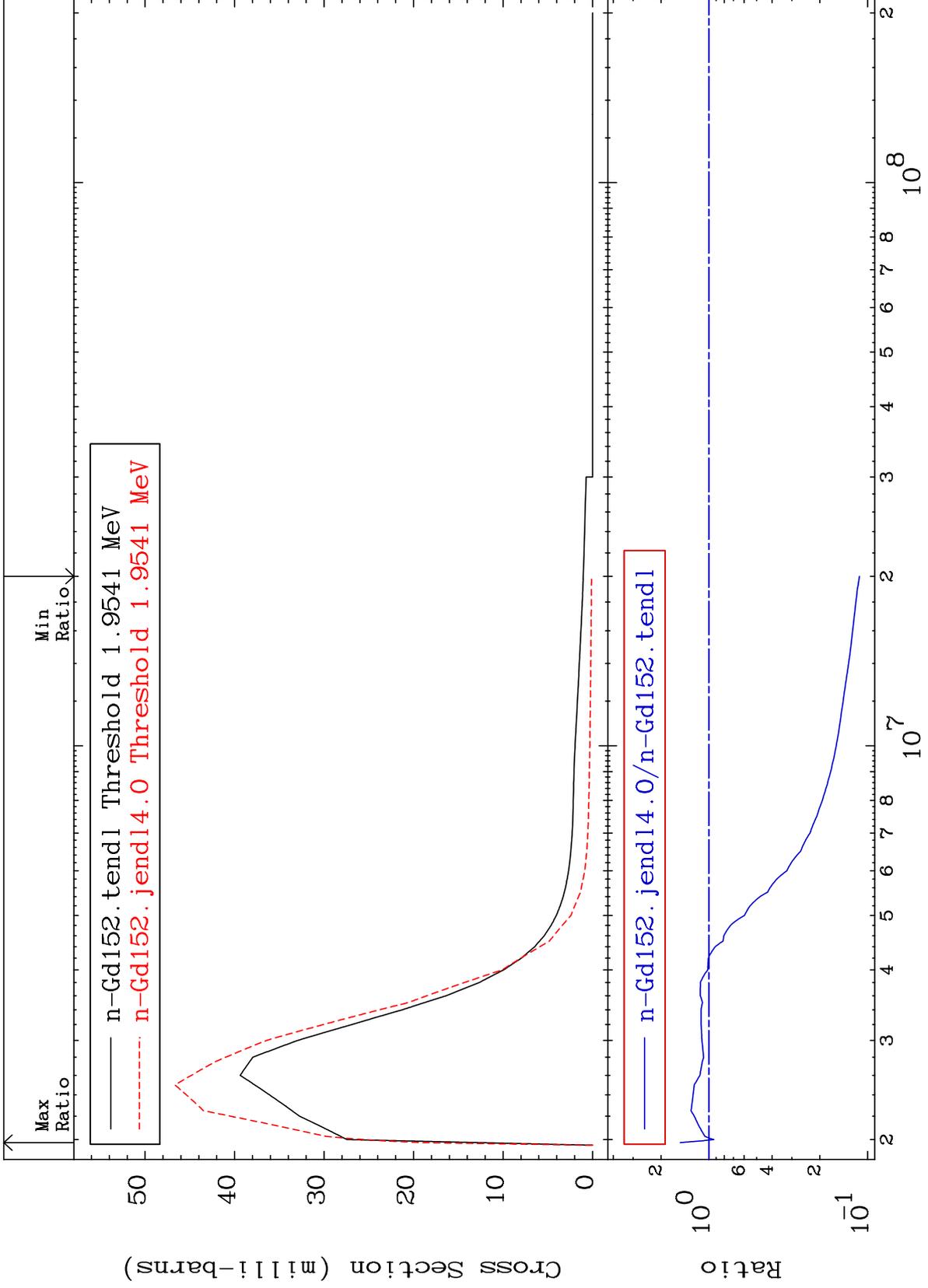
64-Gd-152
-77.54 To 276.2 %



MAT 6425

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

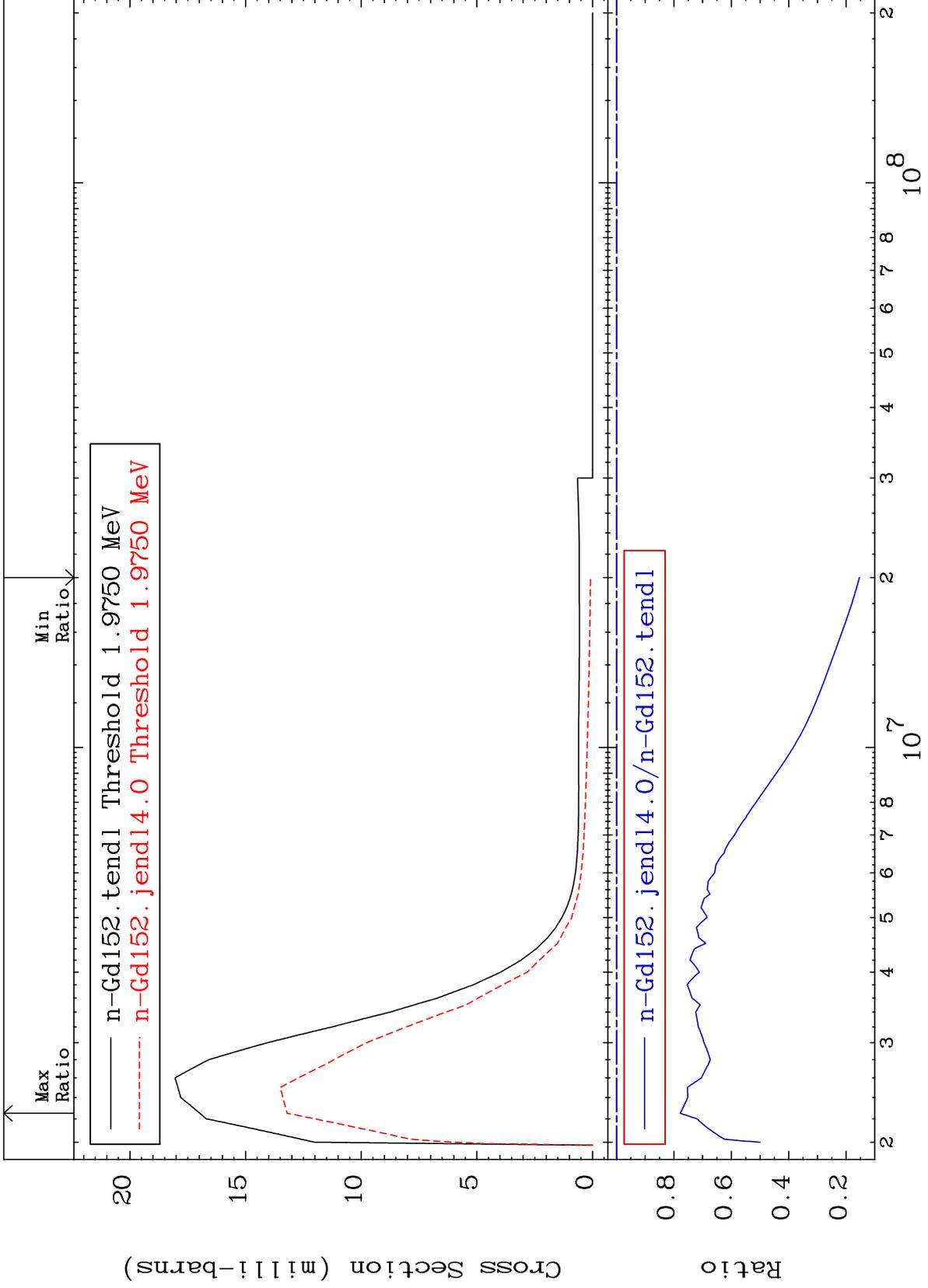
64-Gd-152
-88.74 To 51.39 %



MAT 6425

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

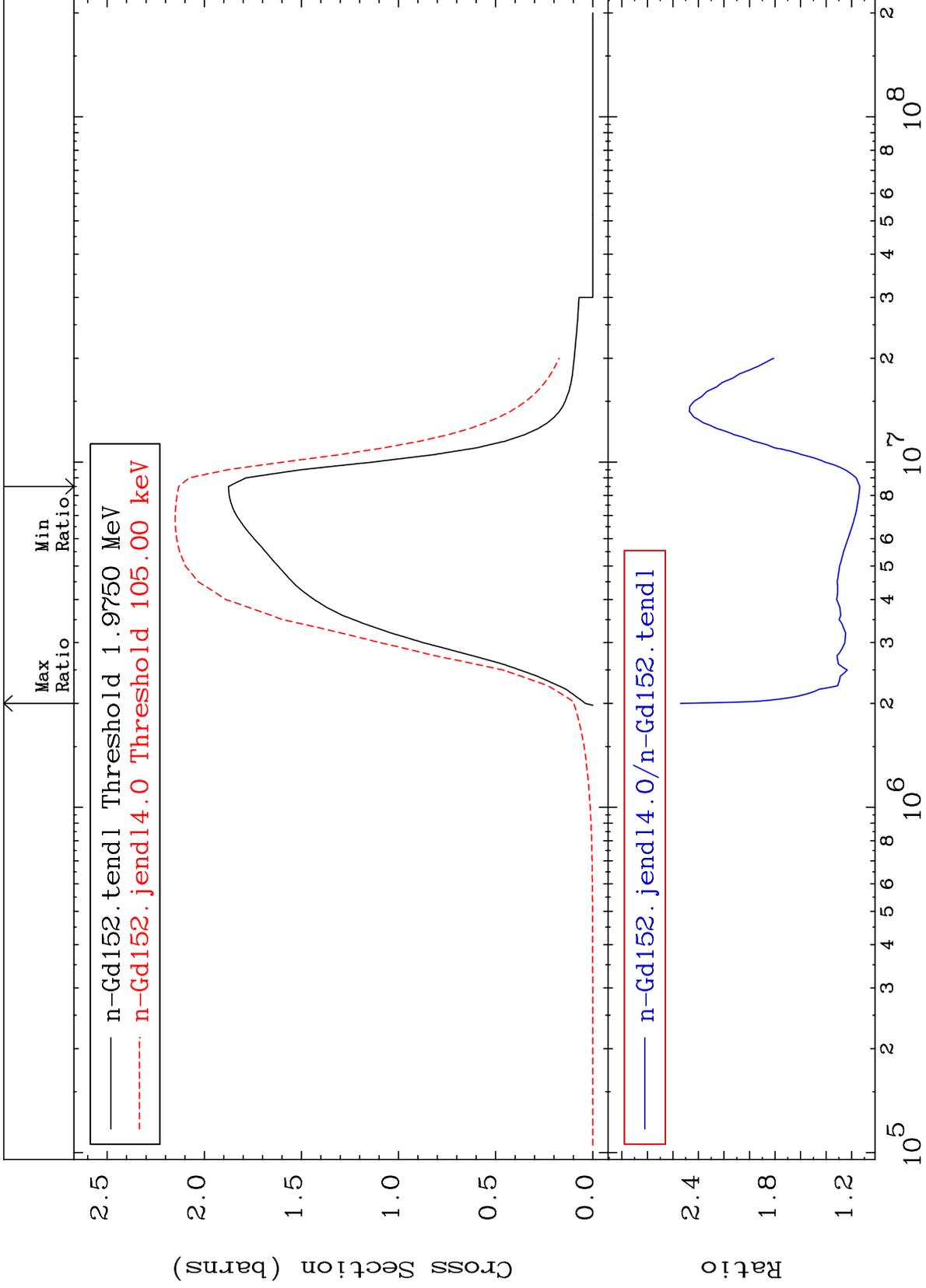
64-Gd-152
-84.62 To -22.21%



MAT 6425

(n, n') Continuum
Cross Section

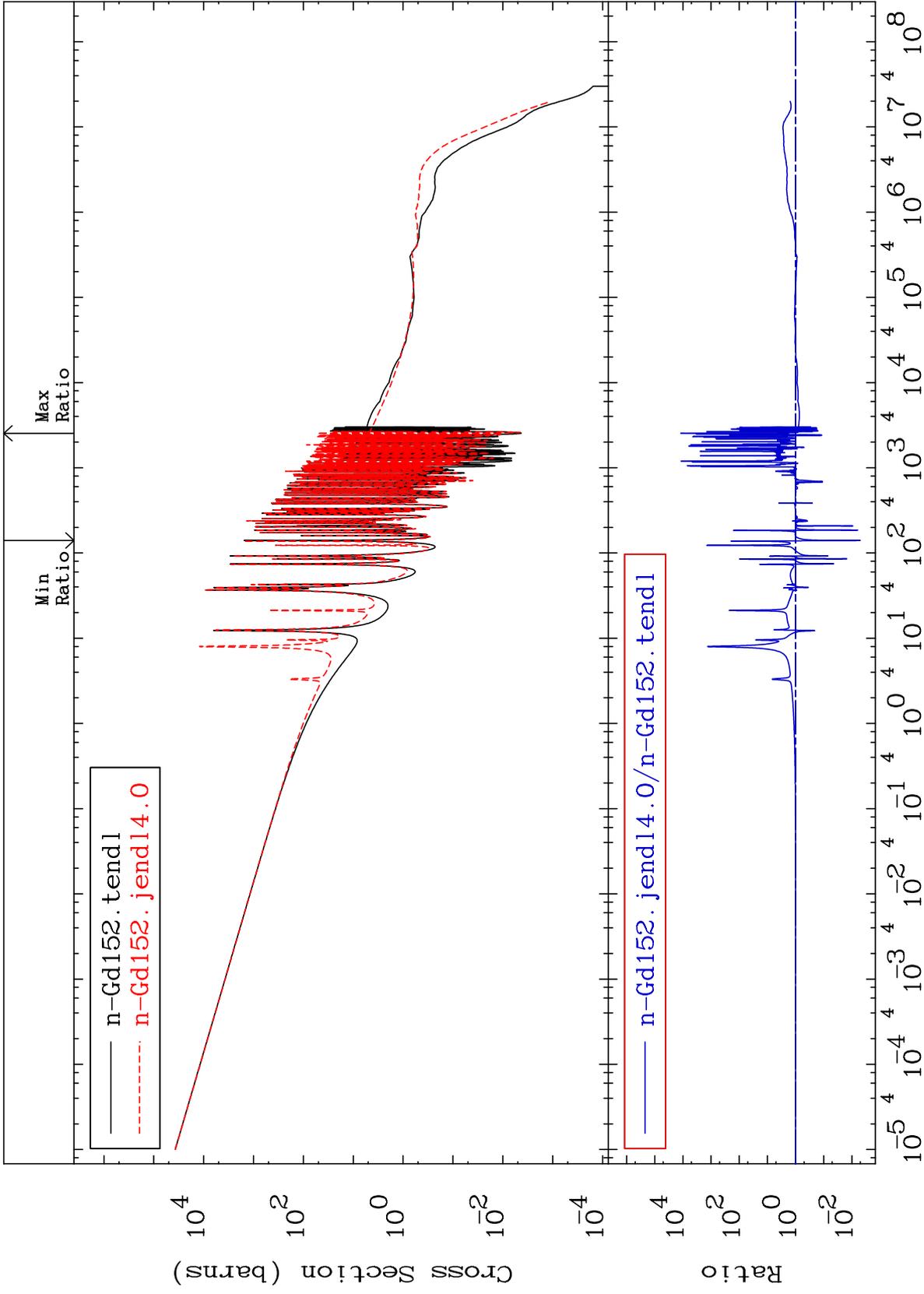
64-Gd-152
13.61 To 154.1 %



43

Incident Energy (eV)

64-Gd-152



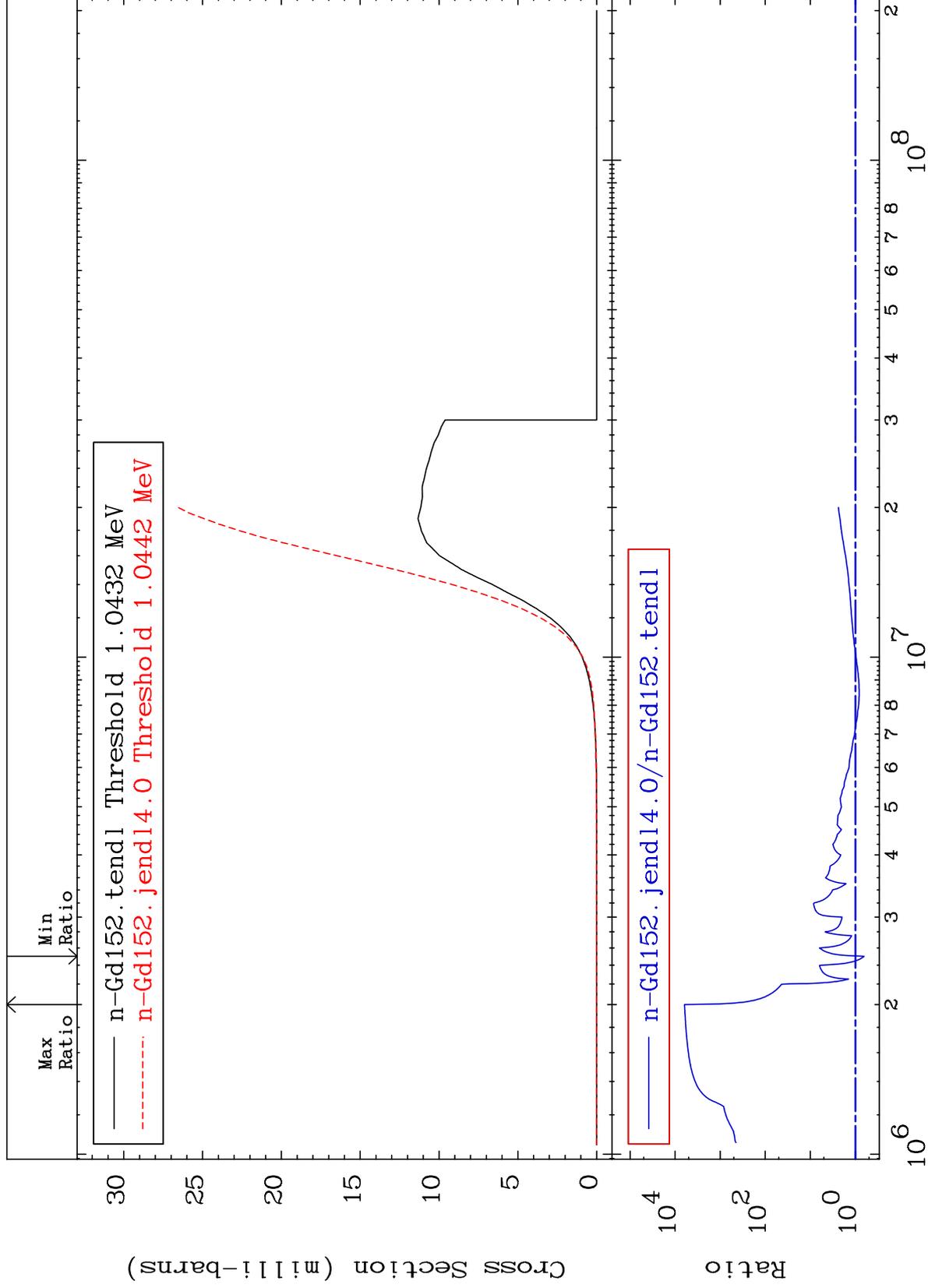
MAT 6425

(n,p)

64-Gd-152

Cross Section

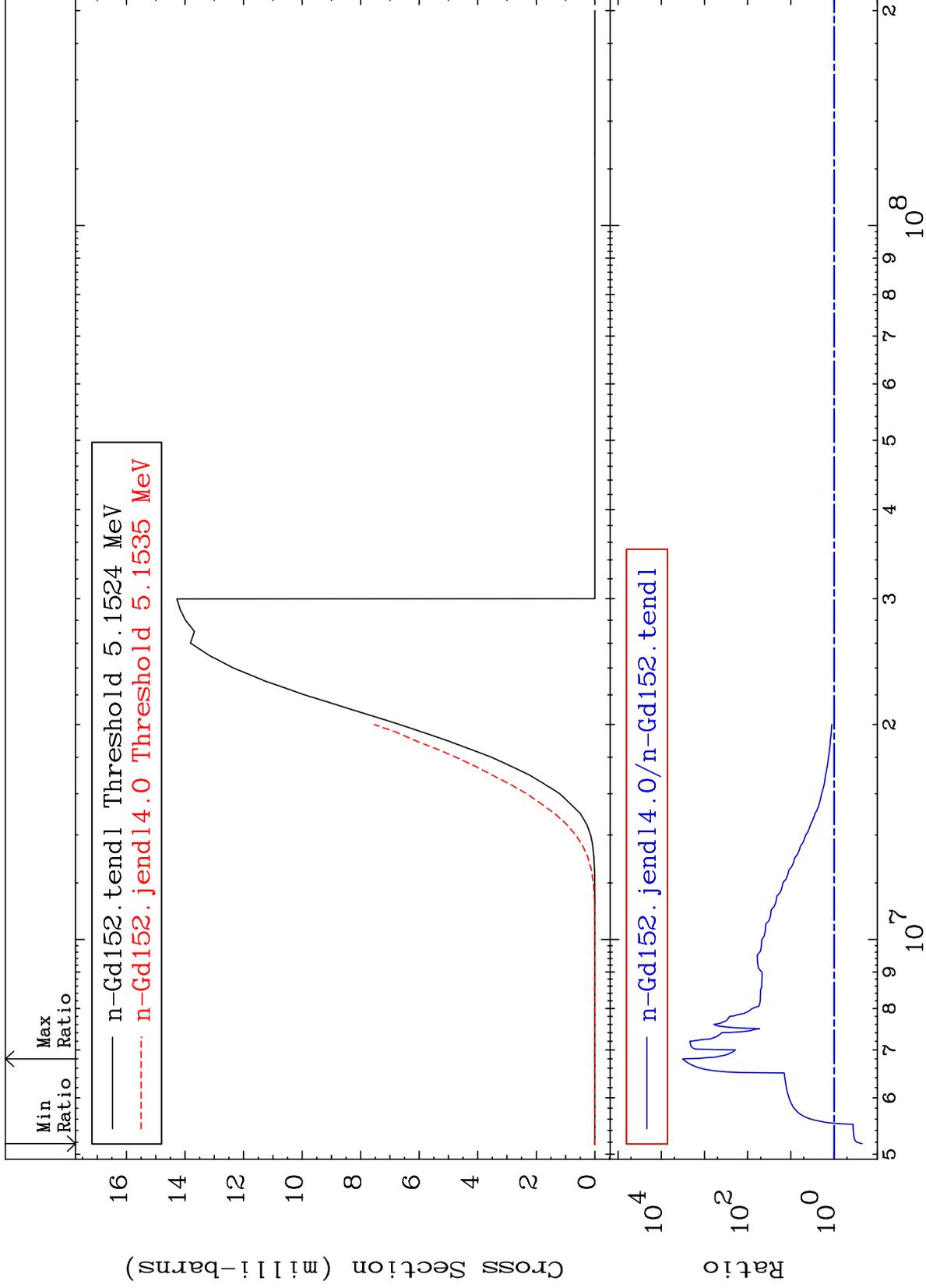
-35.74 To 9999. %

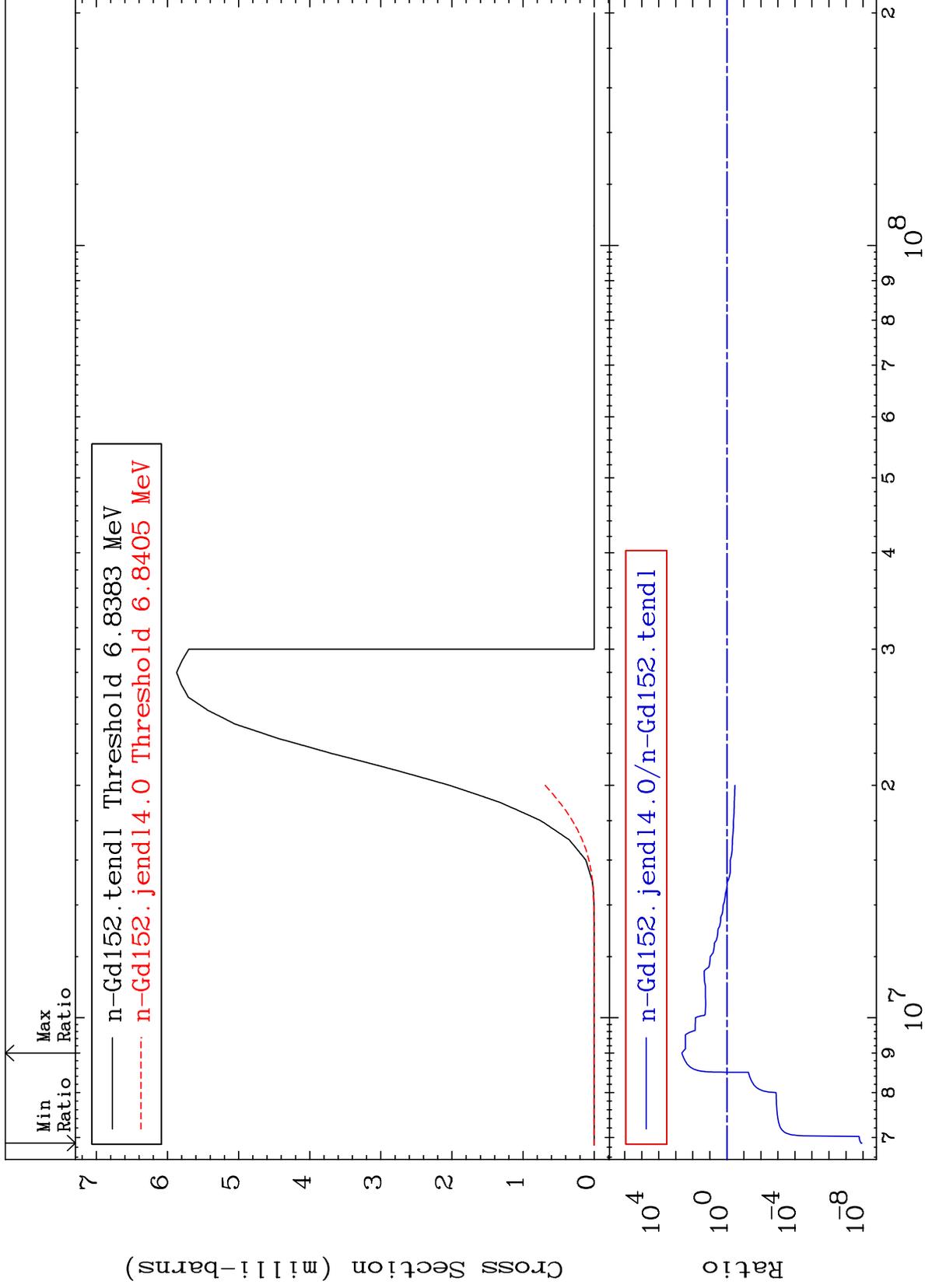


45

Incident Energy (eV)

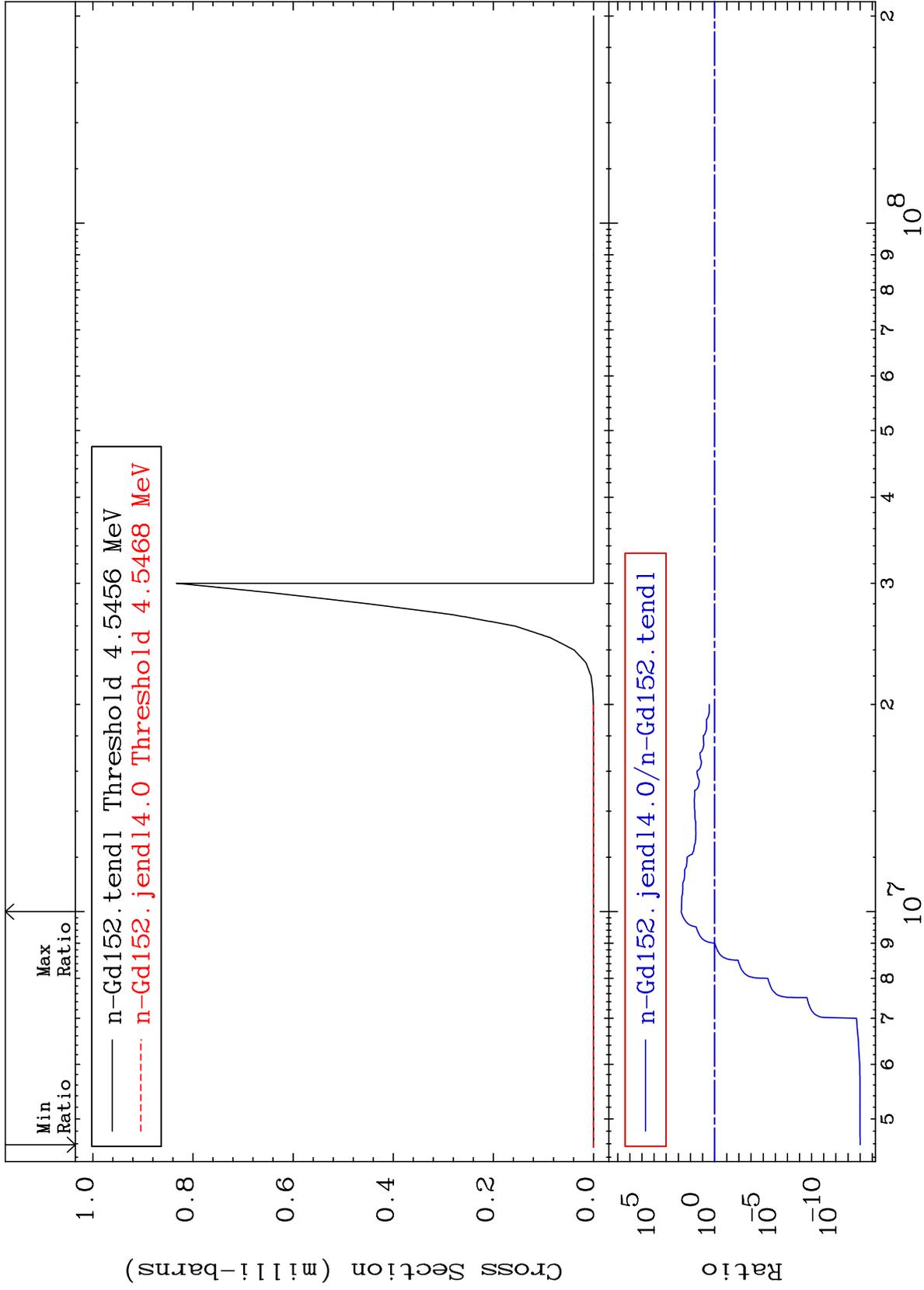
64-Gd-152





Cross Section

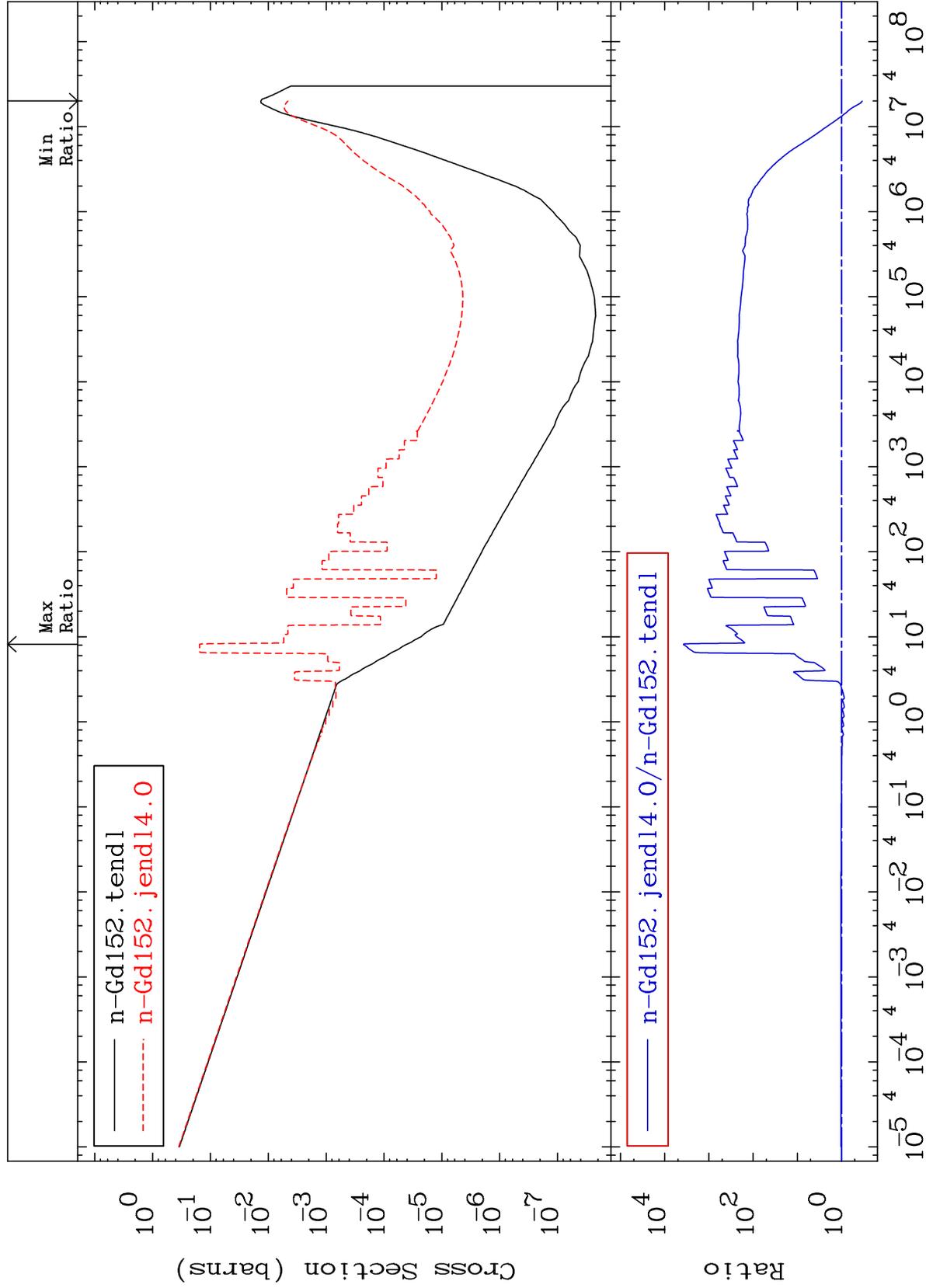
-100.0 To 9999. %



MAT 6425

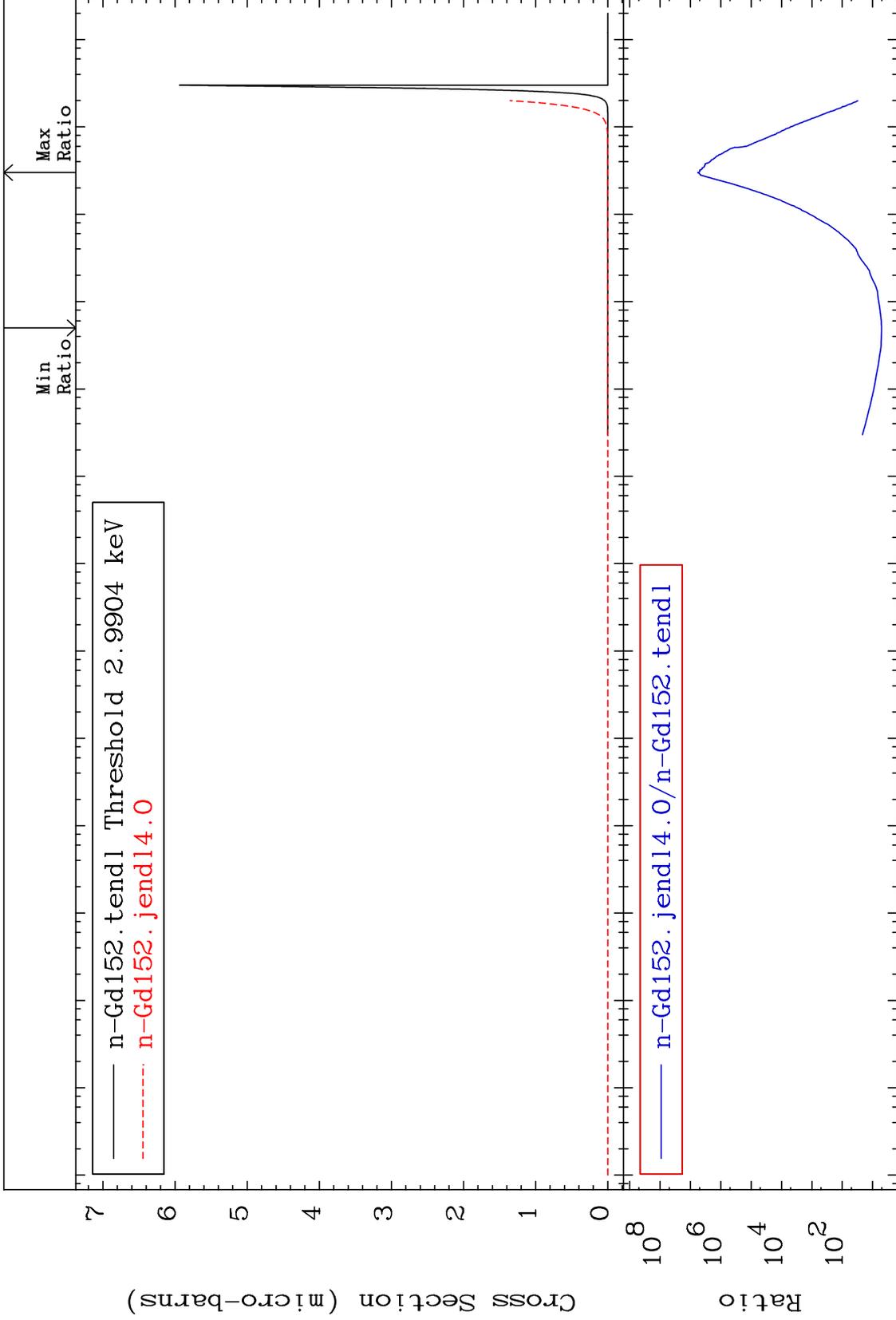
64-Gd-152

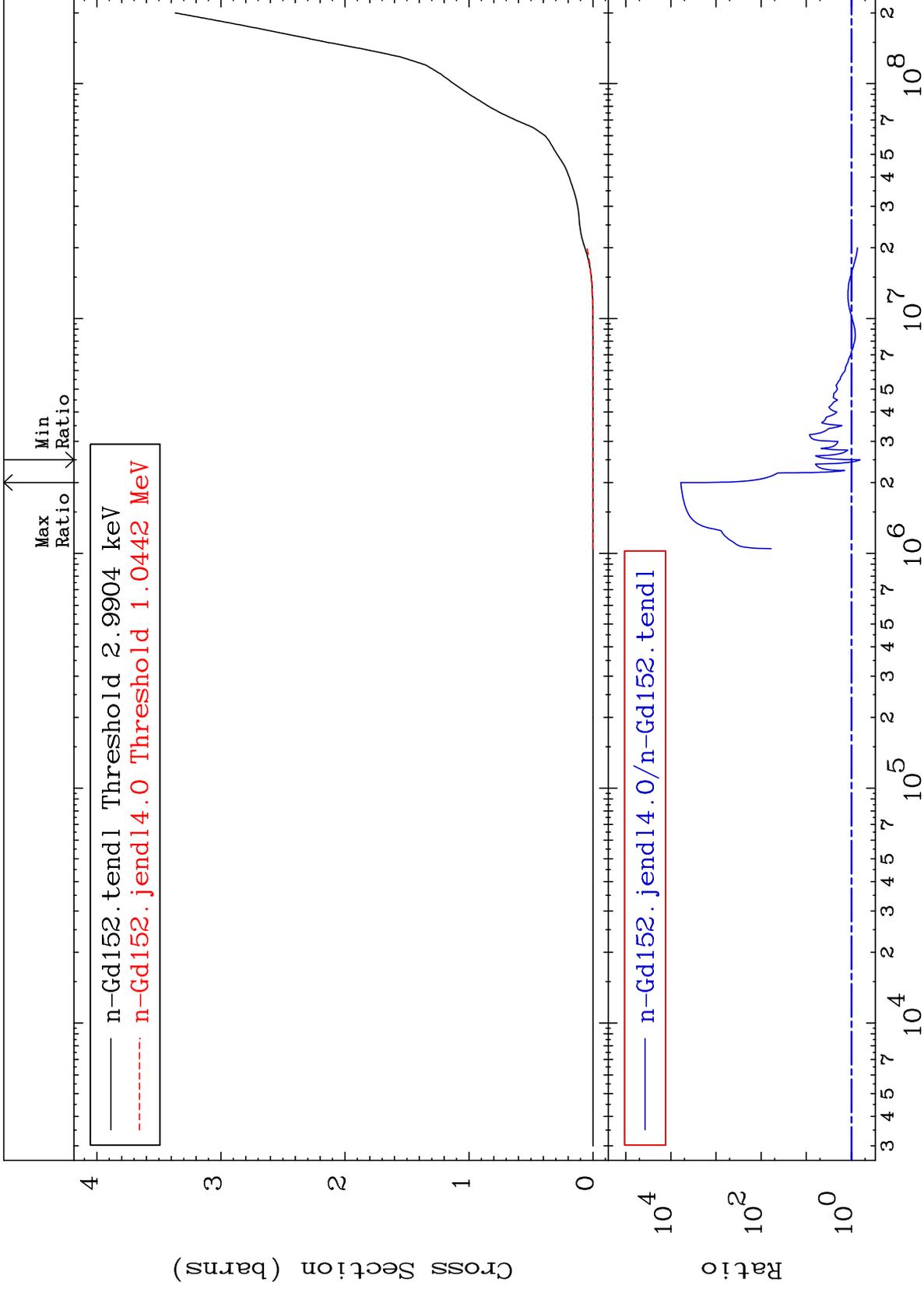
(n, α)
Cross Section
-66.04 To 9999. %

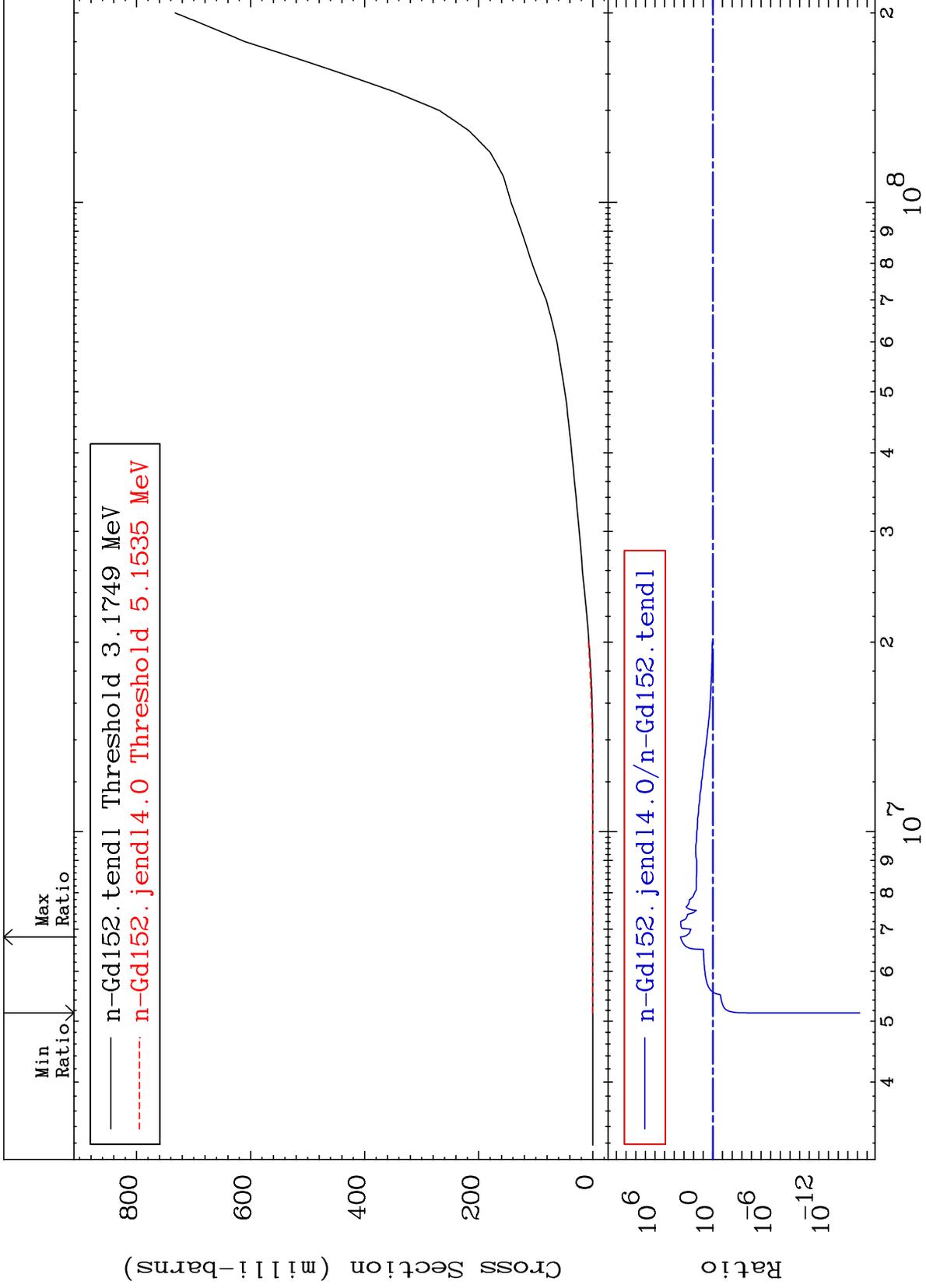


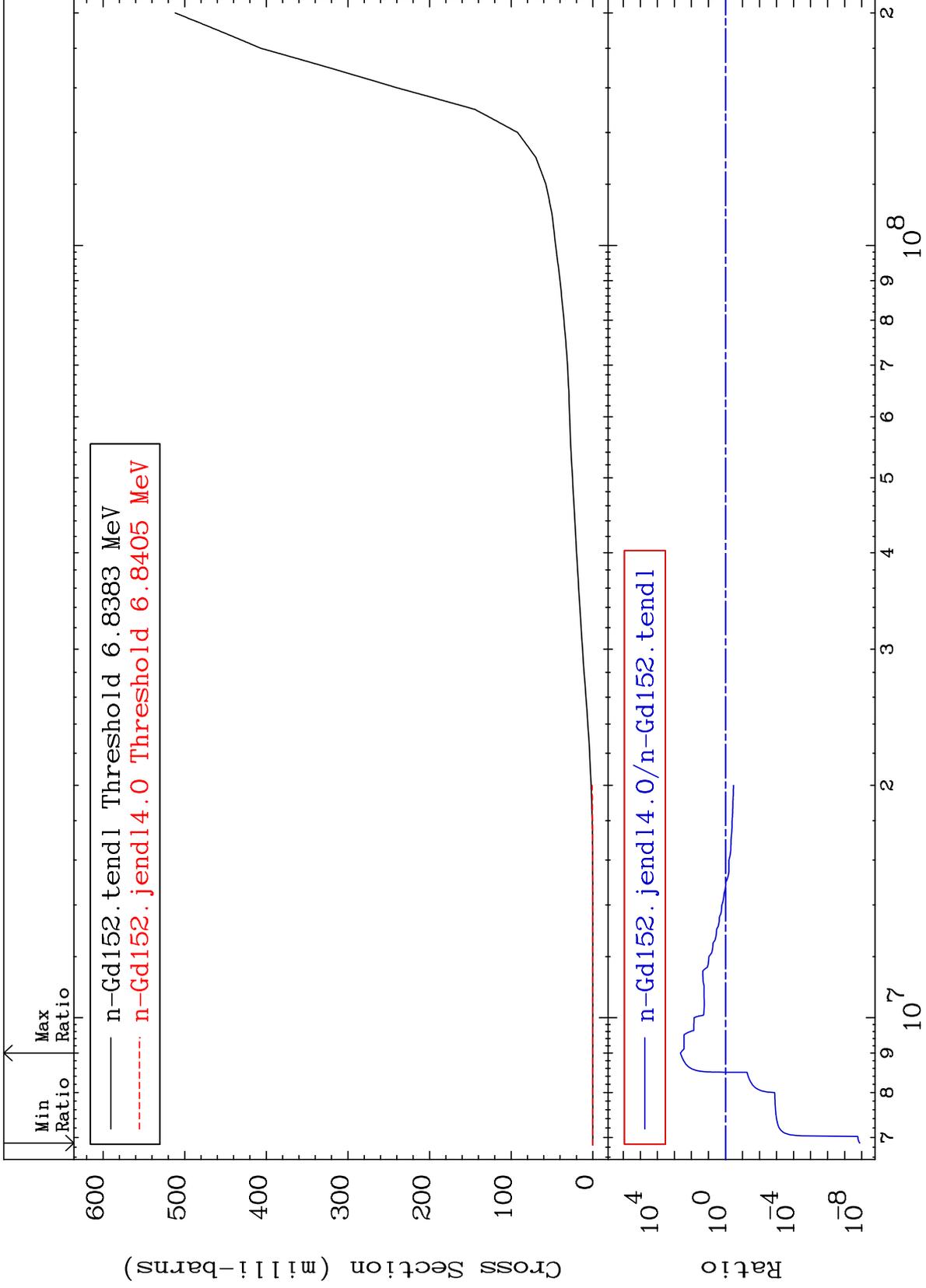
Cross Section

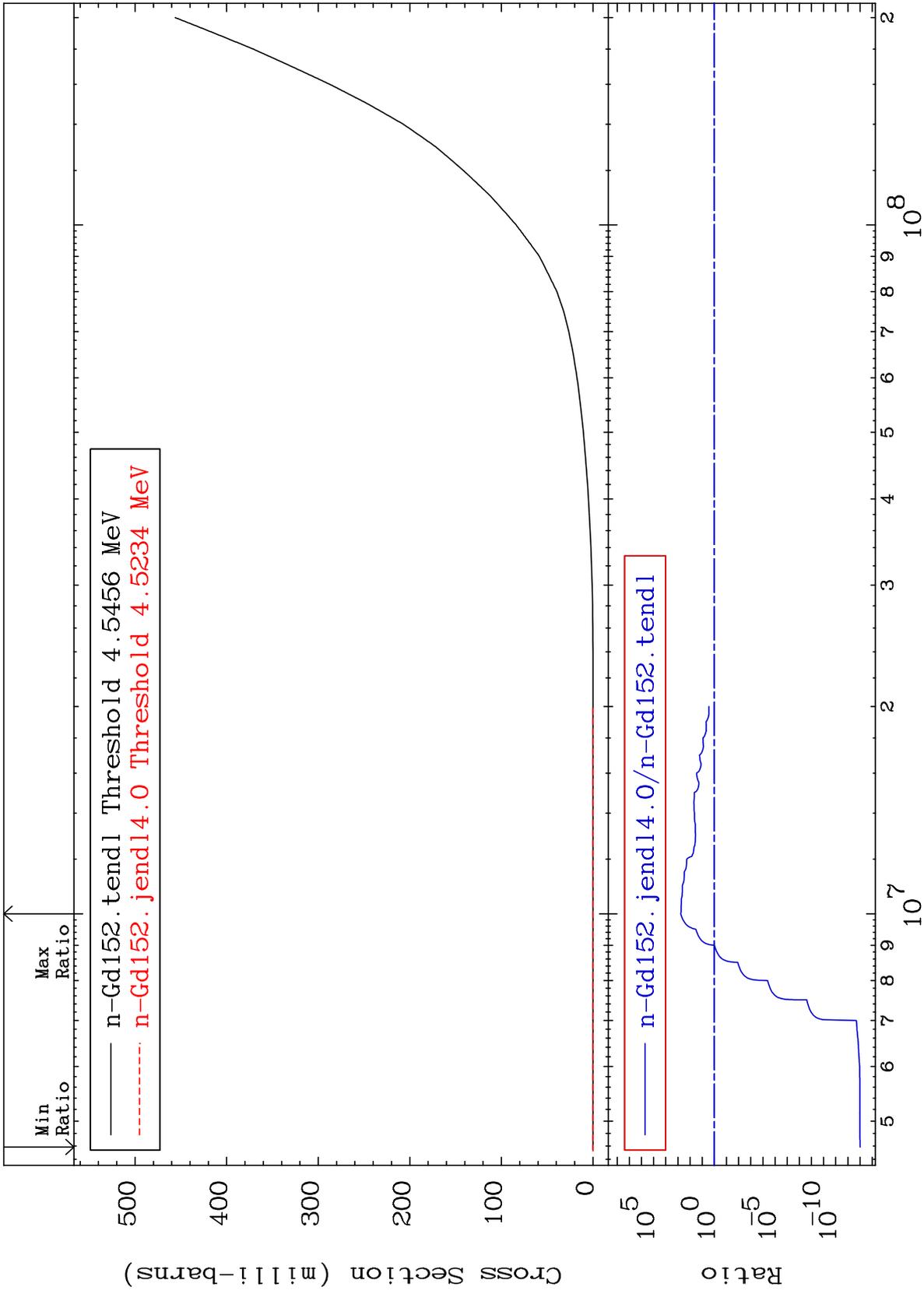
408.2 To 9999. %







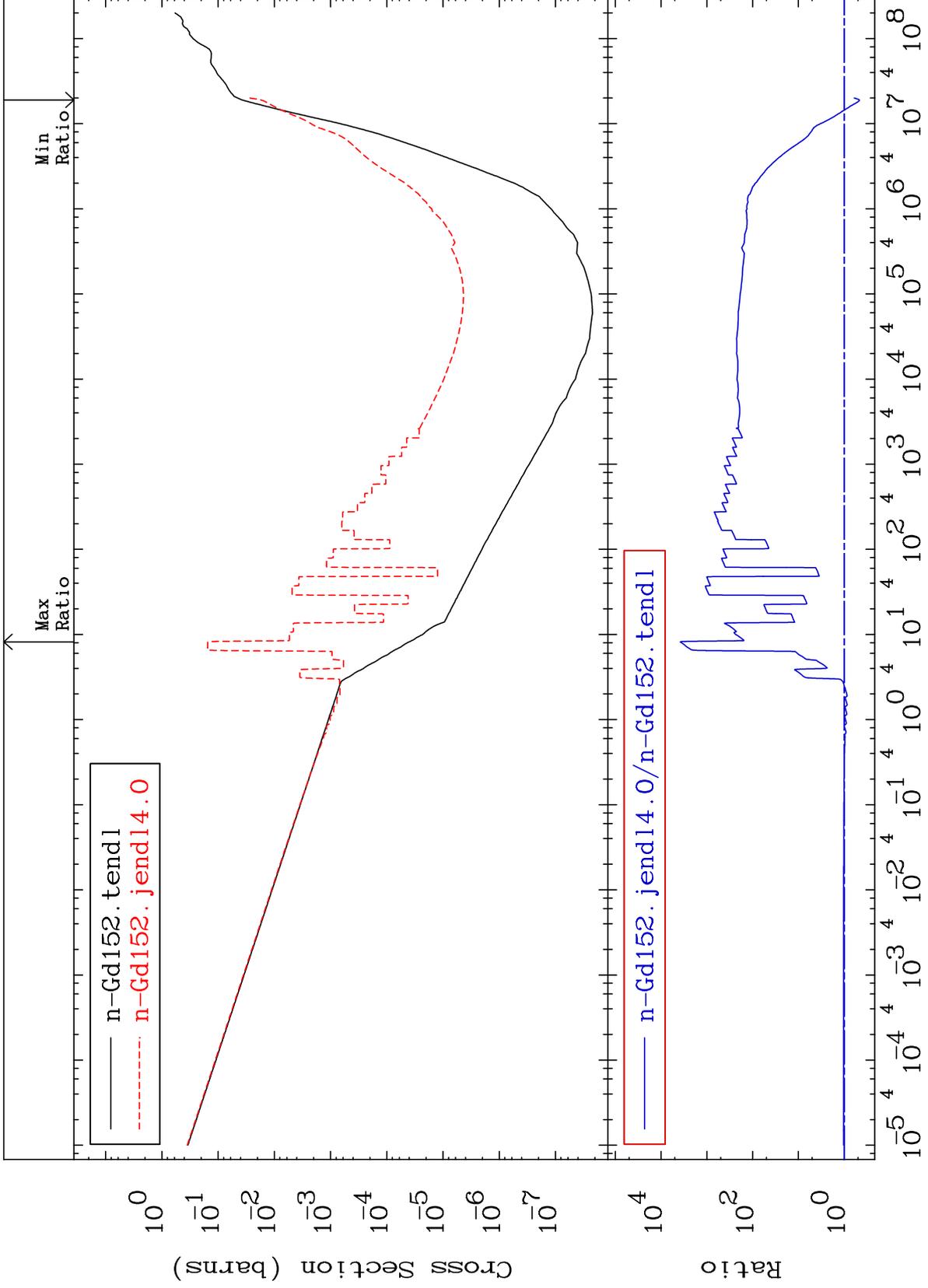




MAT 6425

He-4 Production
Cross Section

64-Gd-152
-53.73 To 9999. %



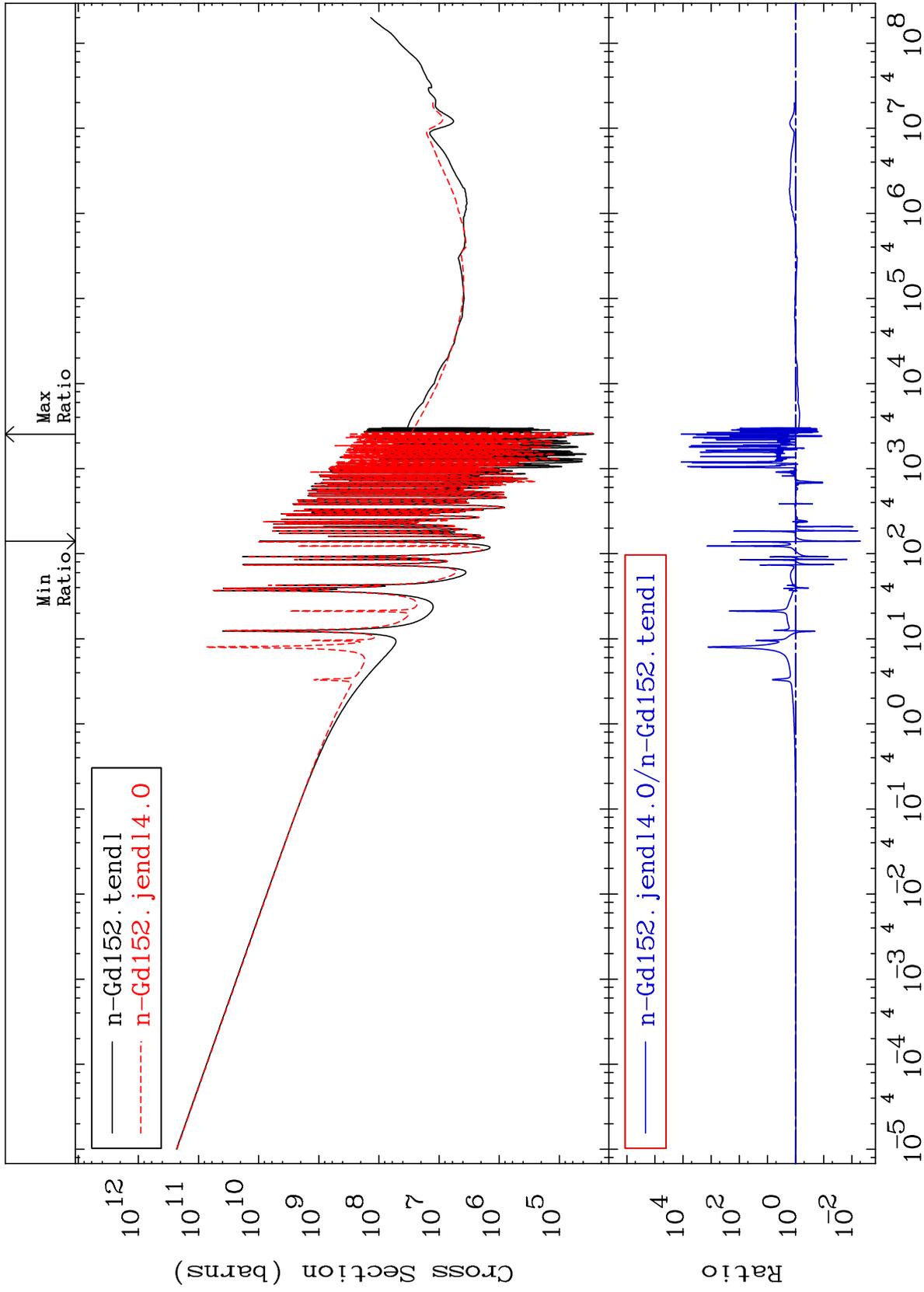
55

Incident Energy (eV)

64-Gd-152

-99.50 To 9999. %

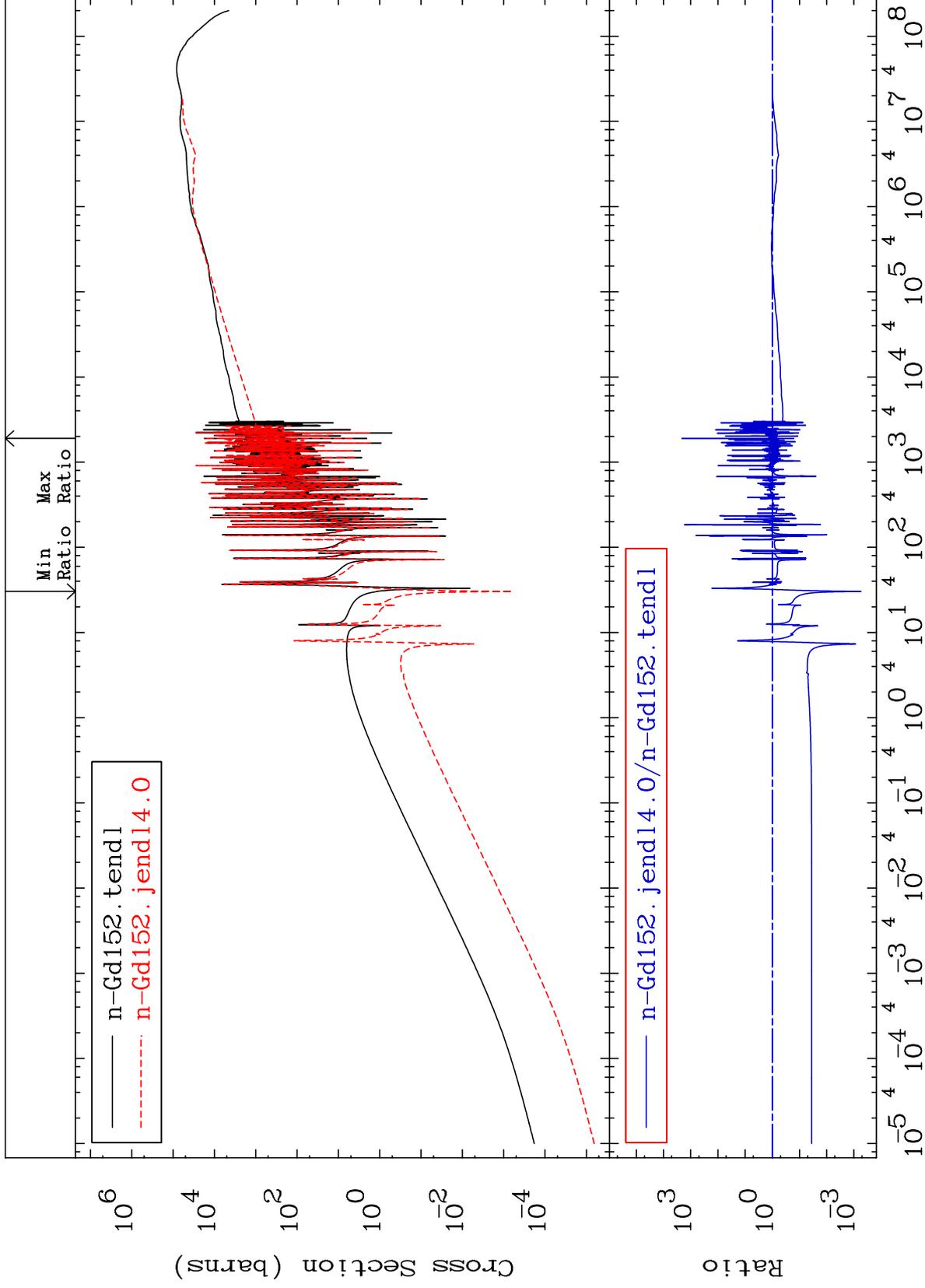
Cross Section

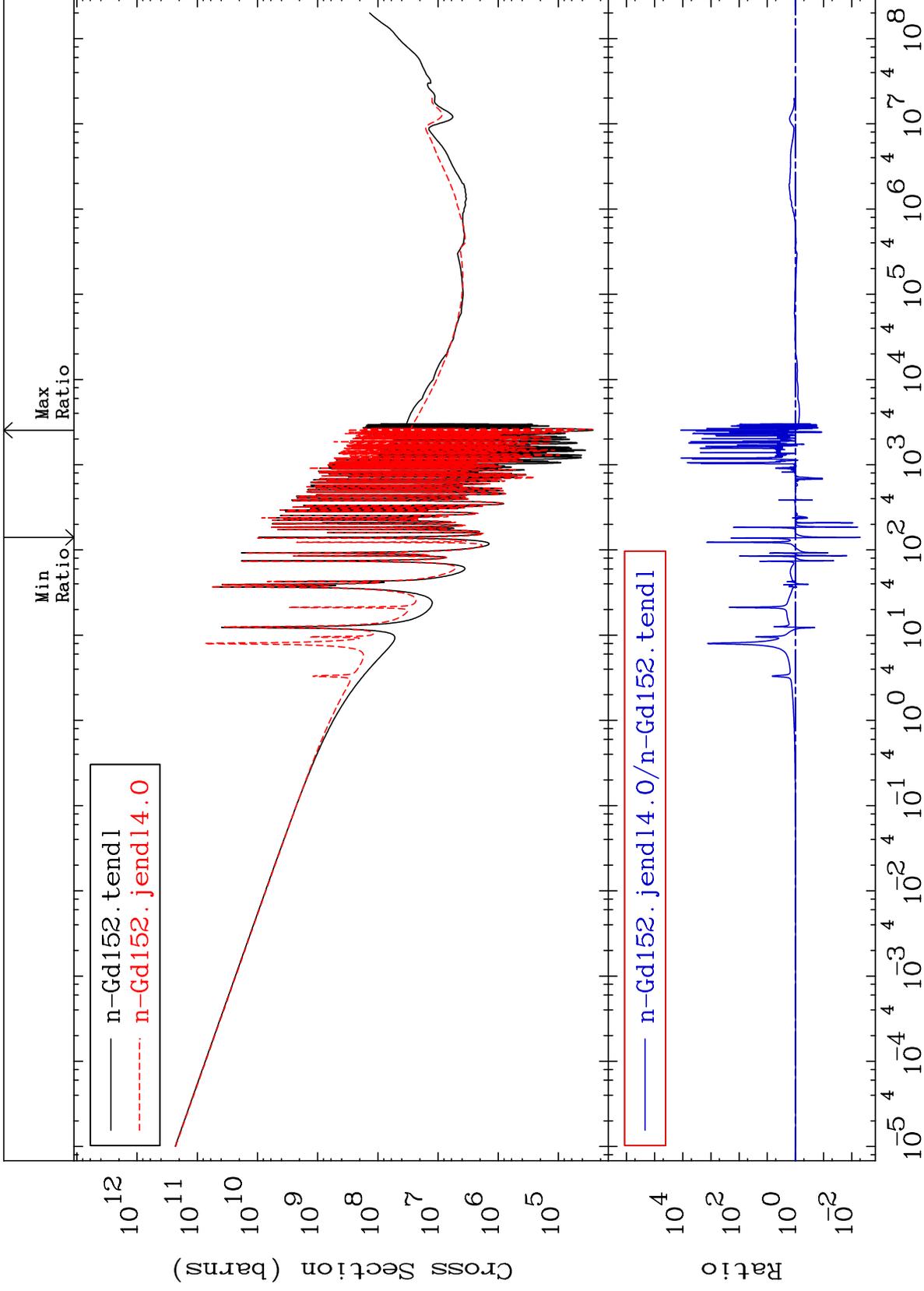


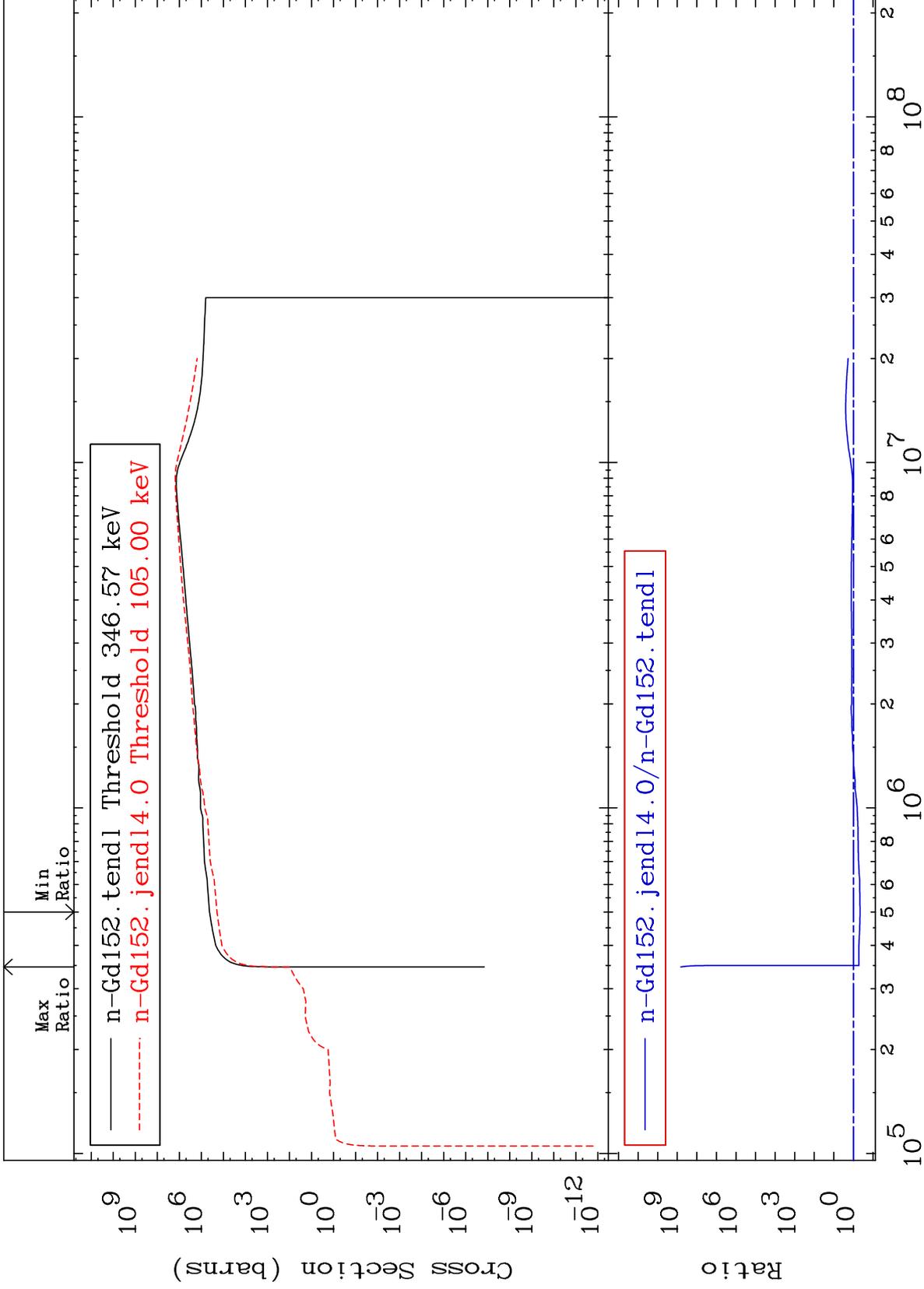
MAT 6425

Kerma elastic
Cross Section

64-Gd-152
-99.95 To 9999. %



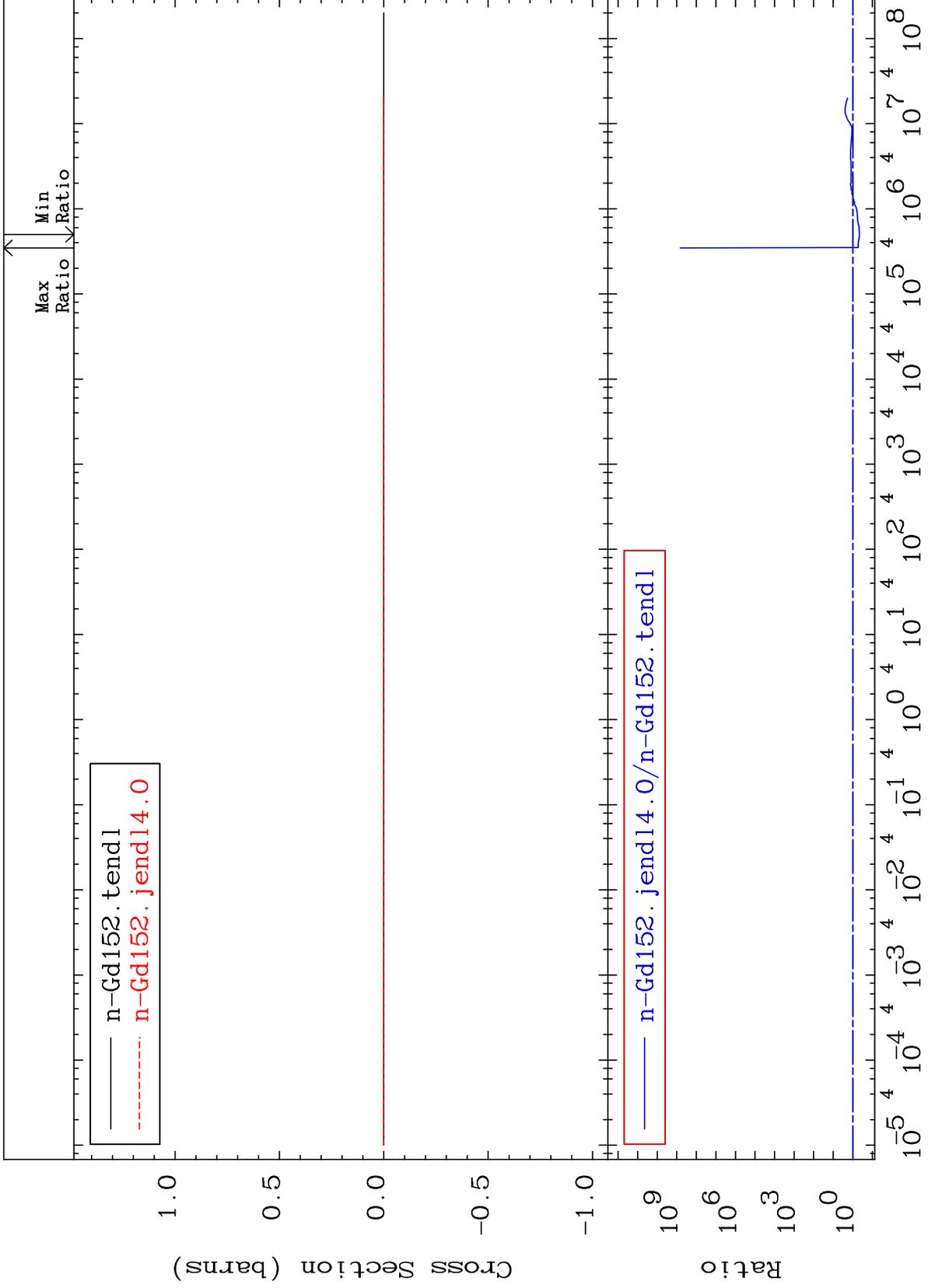




MAT 6425

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

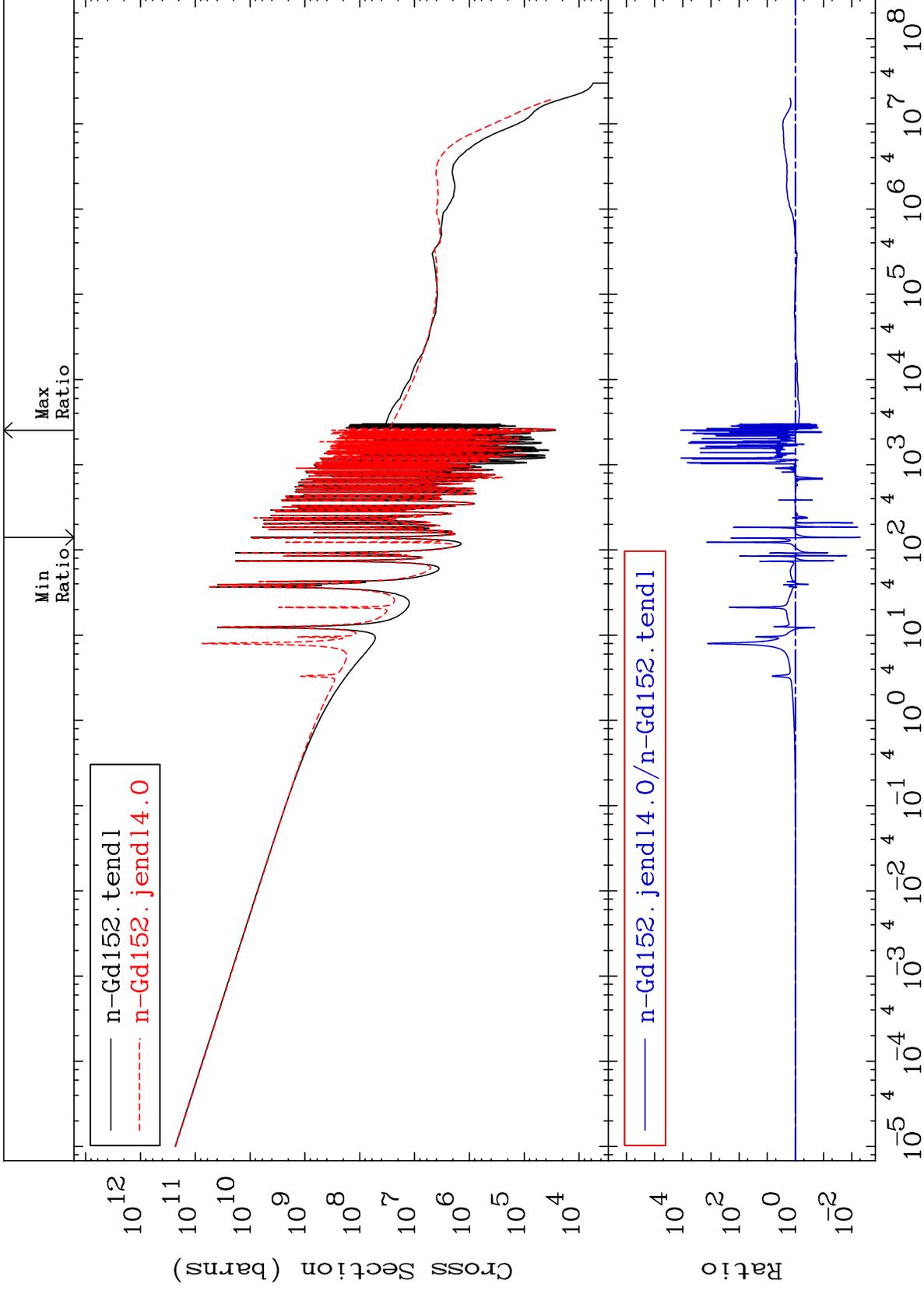
64-Gd-152
-54.61 To 9999. %



Incident Energy (eV)

64-Gd-152

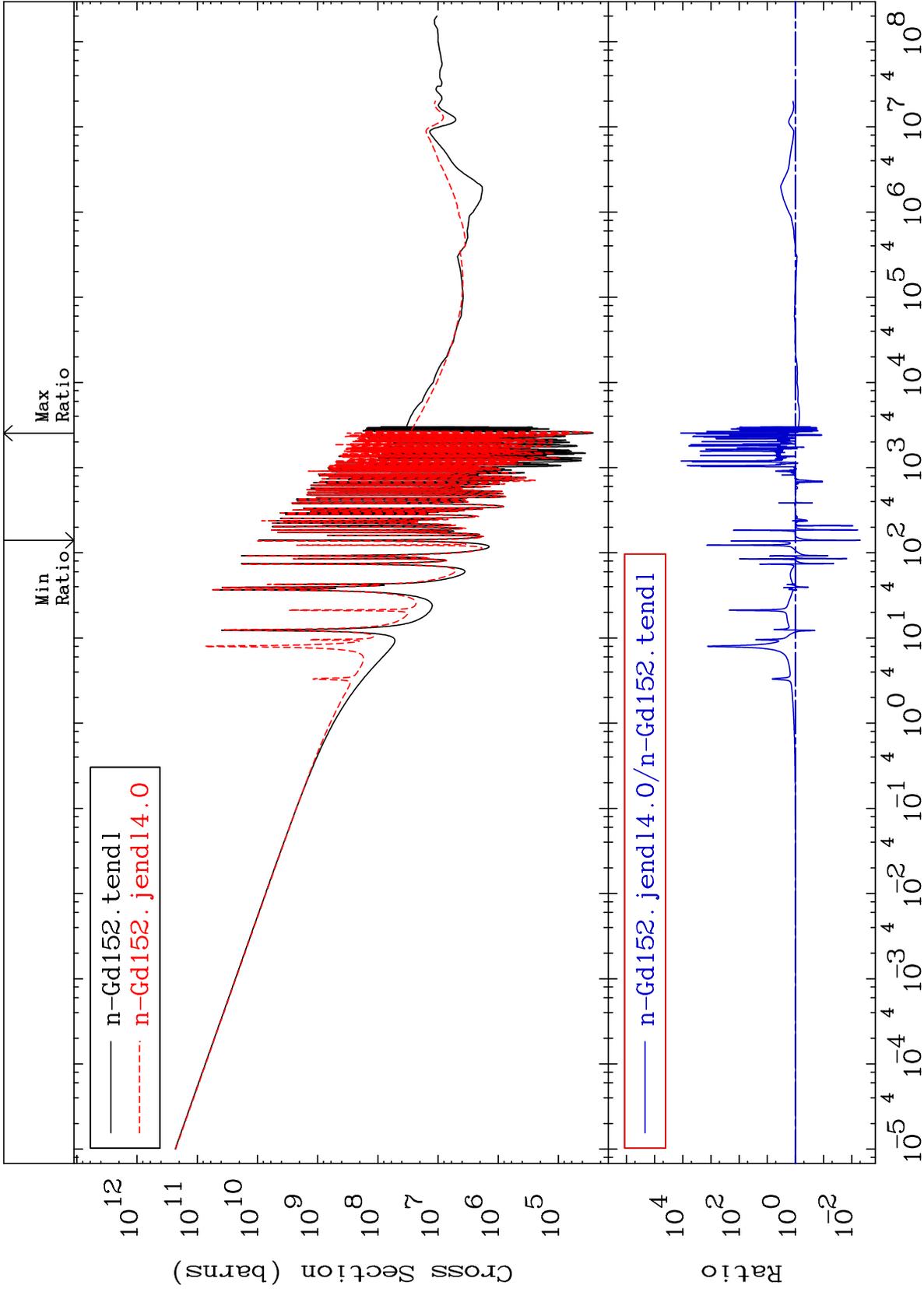
60



MAT 6425

Total photon (eV-barns)
Cross Section

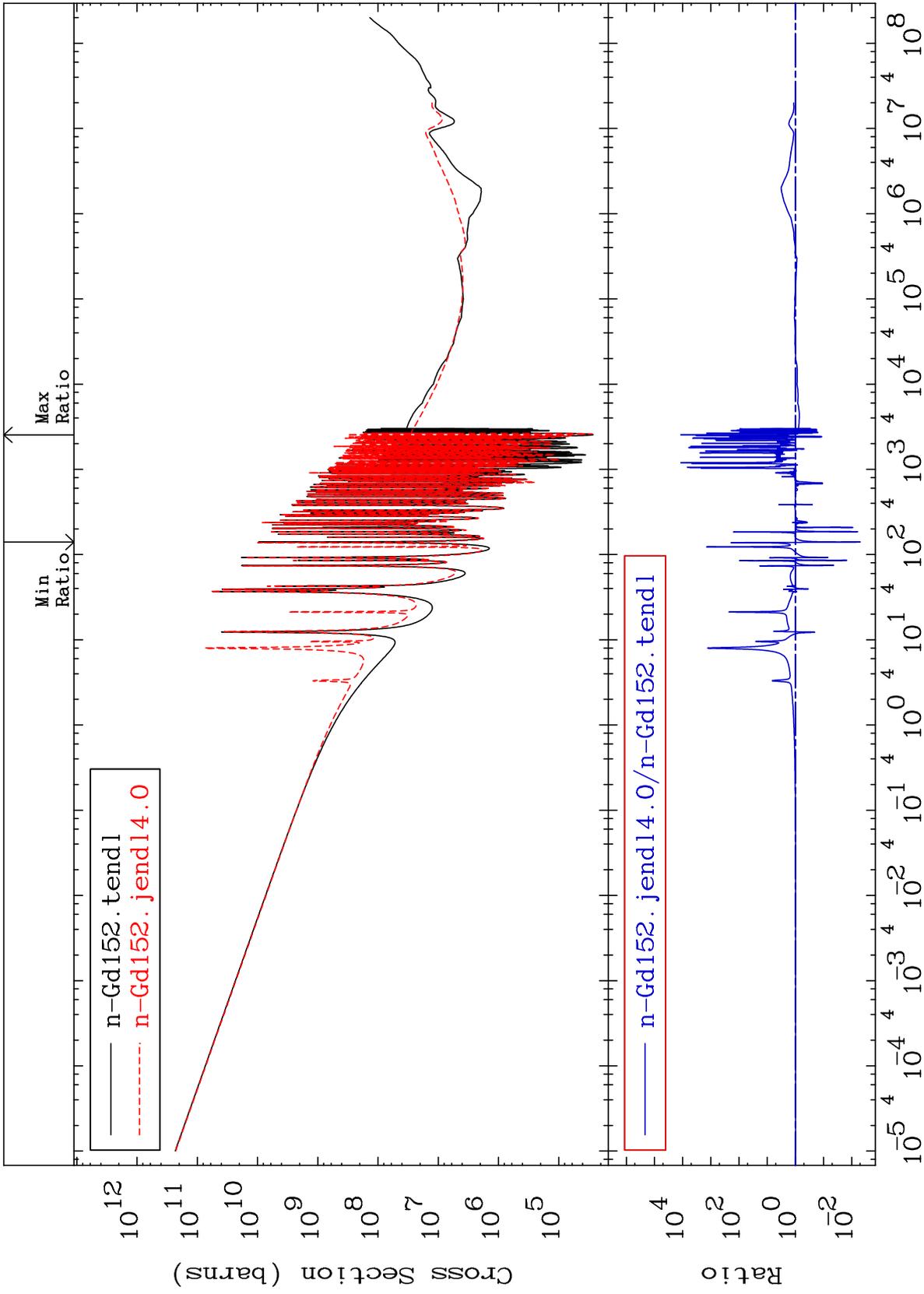
64-Gd-152
-99.50 To 9999. %



62

Incident Energy (eV)

64-Gd-152



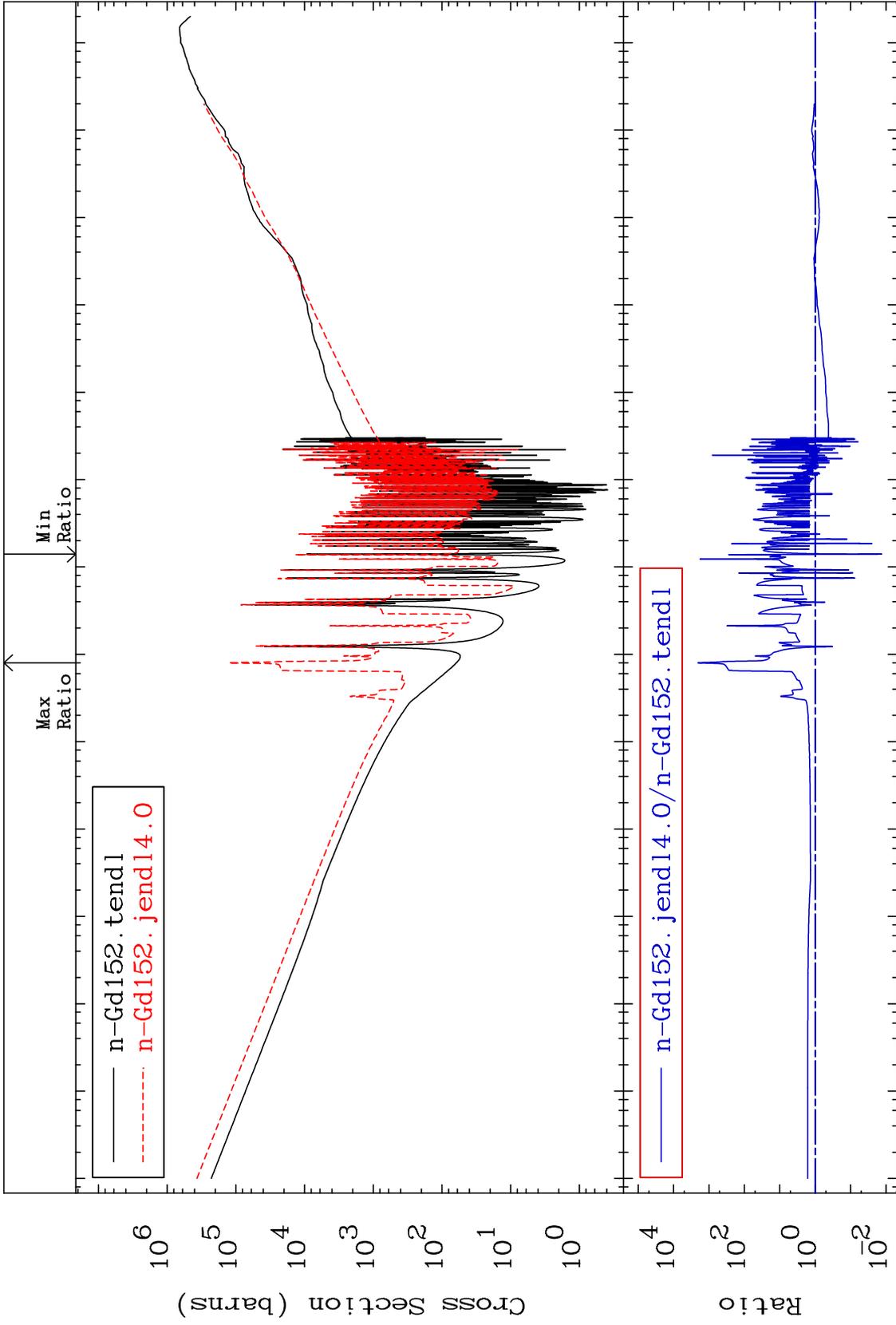
MAT 6425

Dpa total (eV-barns)

64-Gd-152

-98.67 To 9999. %

Cross Section



64

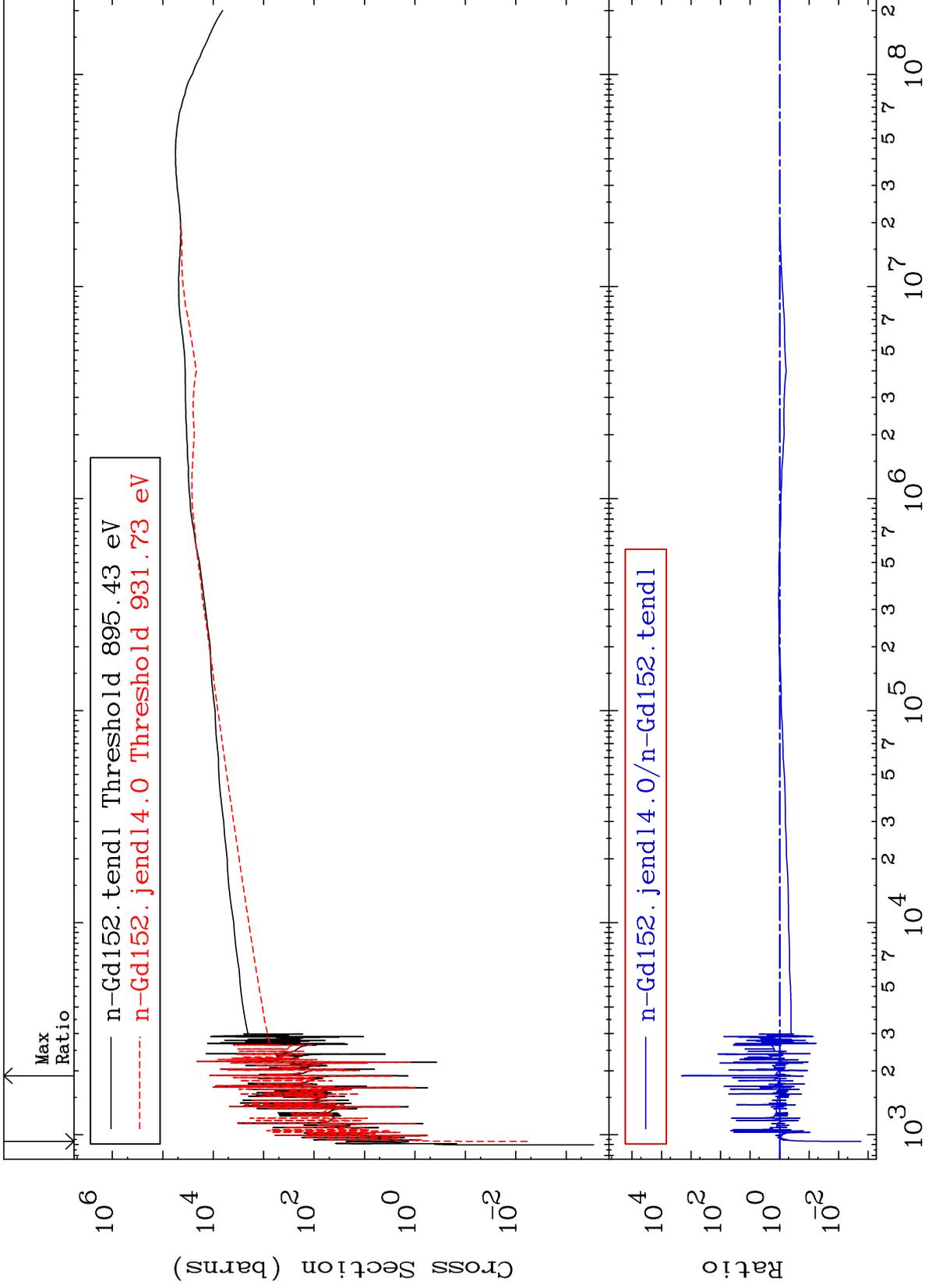
Incident Energy (eV)

64-Gd-152

MAT 6425

Dpa elastic (mt2)
Cross Section

64-Gd-152
-99.82 To 9999. %



65

Incident Energy (eV)

64-Gd-152

