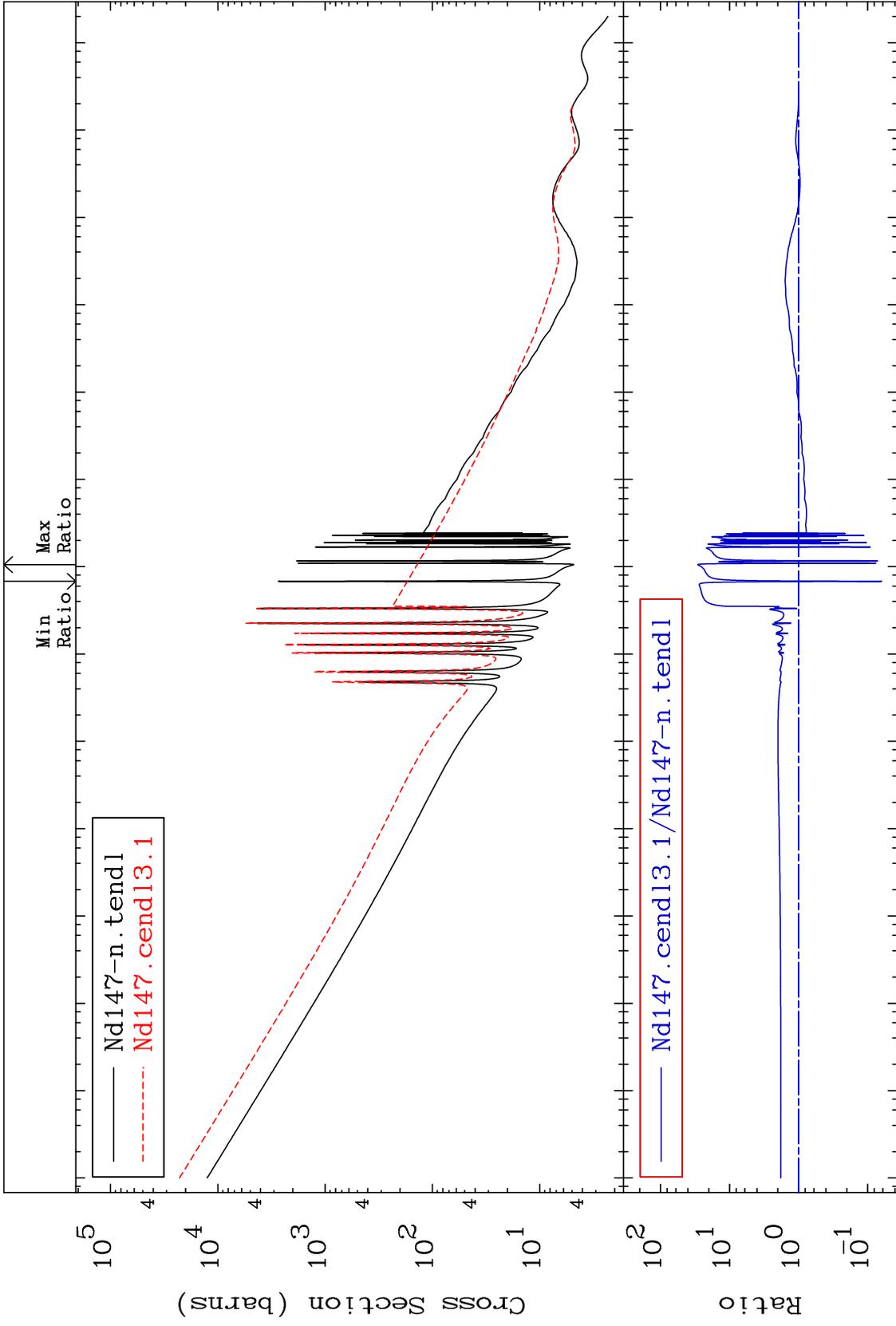


MAT 6040

Total
Cross Section

60-Nd-147
-93.73 To 2785. %



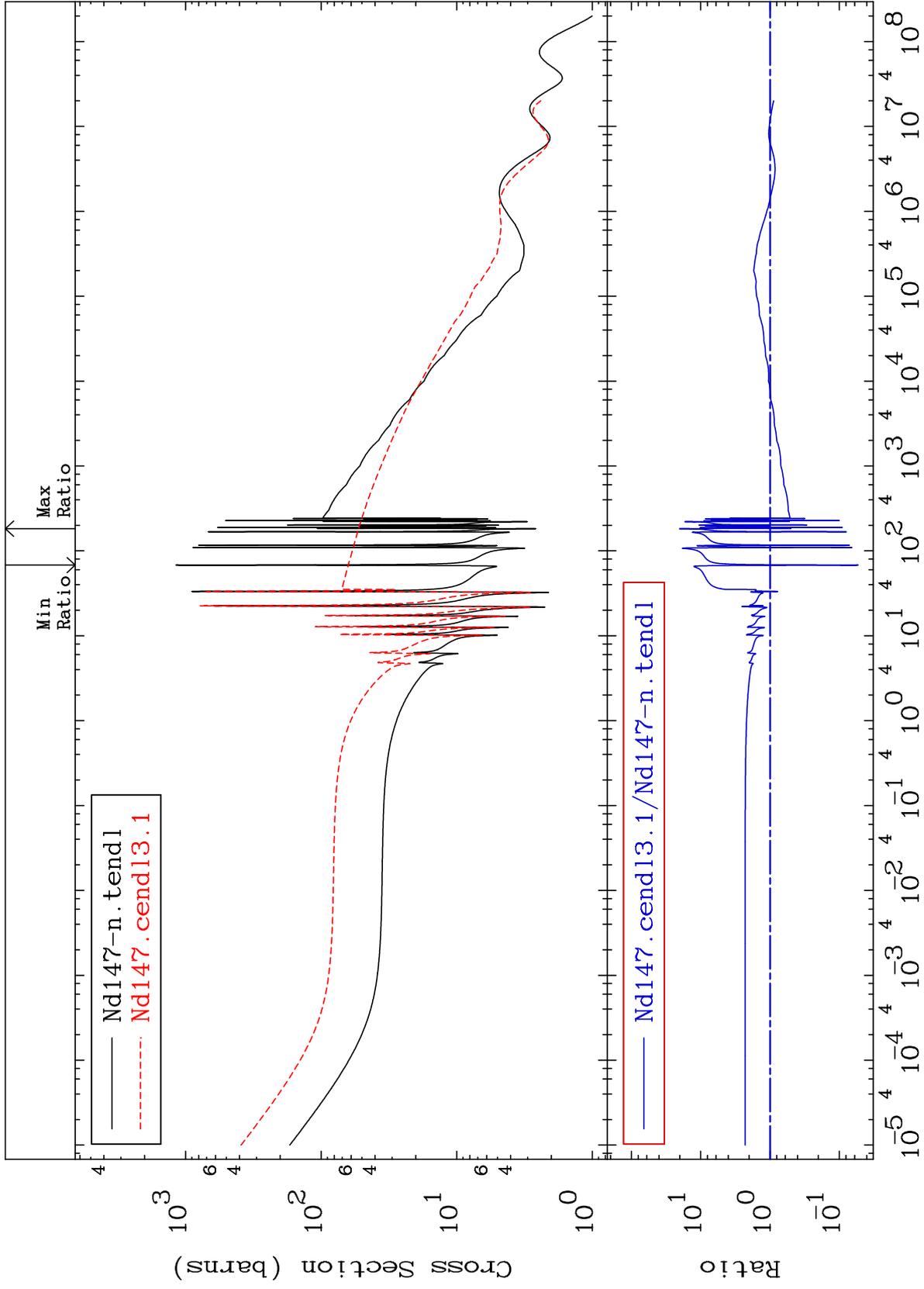
Incident Energy (eV)

60-Nd-147

MAT 6040

Elastic
Cross Section

60-Nd-147
-94.64 To 1926. %



2

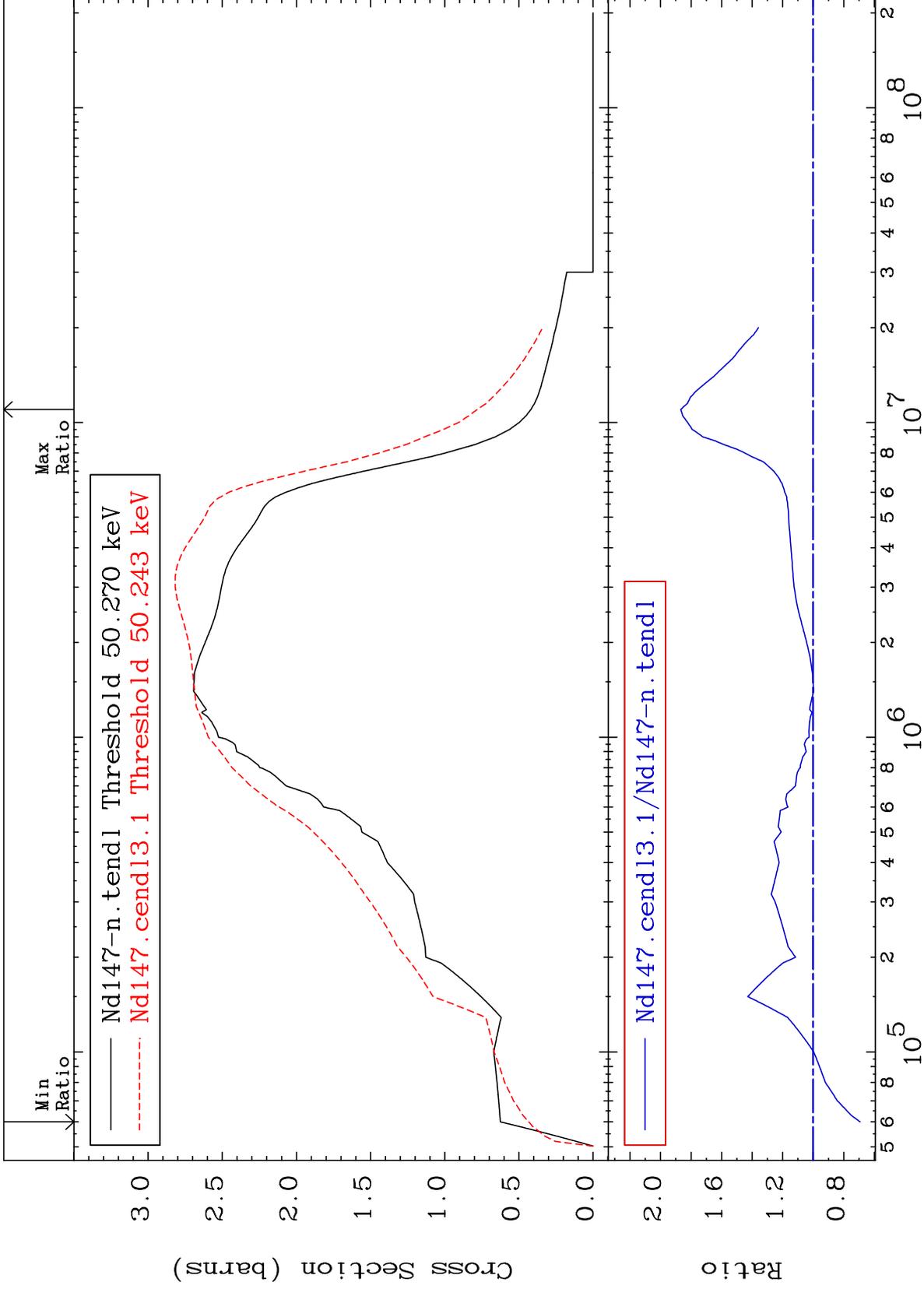
Incident Energy (eV)

60-Nd-147

MAT 6040

Inelastic
Cross Section

60-Nd-147
-30.72 To 86.74 %



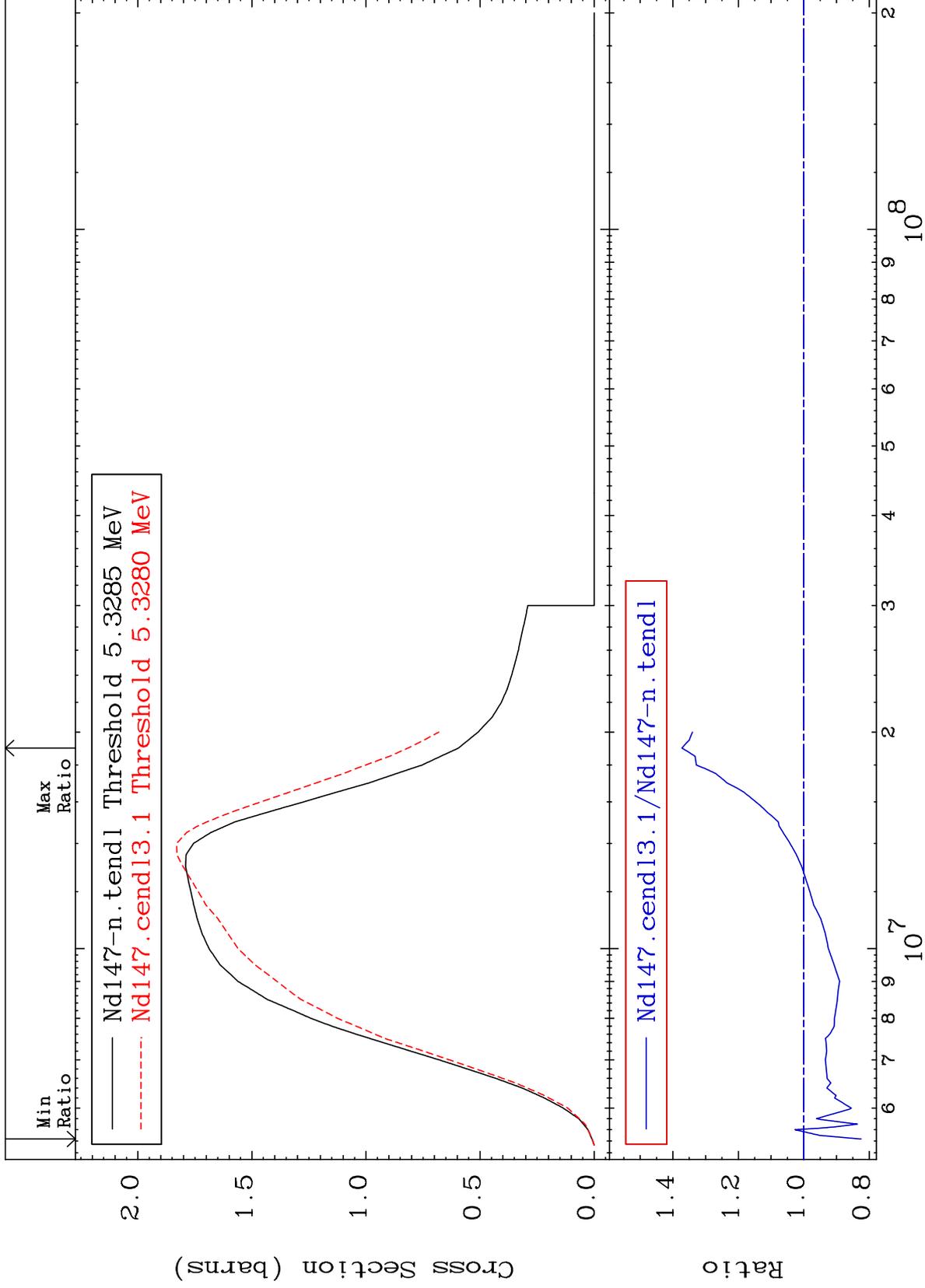
MAT 6040

(n,2n)

60-Nd-147

Cross Section

-17.53 To 37.25 %



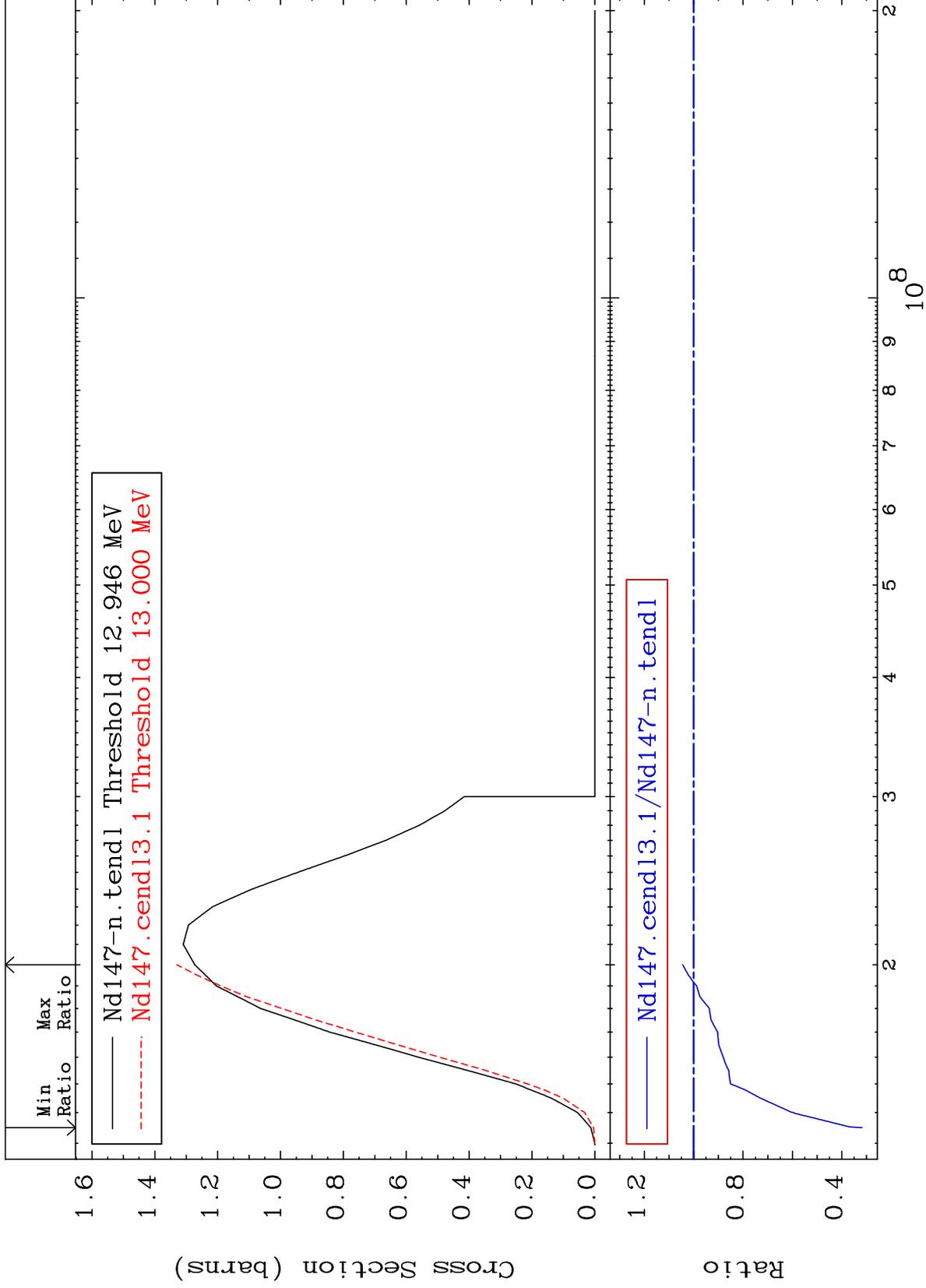
MAT 6040

(n,3n)

60-Nd-147

Cross Section

-68.21 To 4.484 %



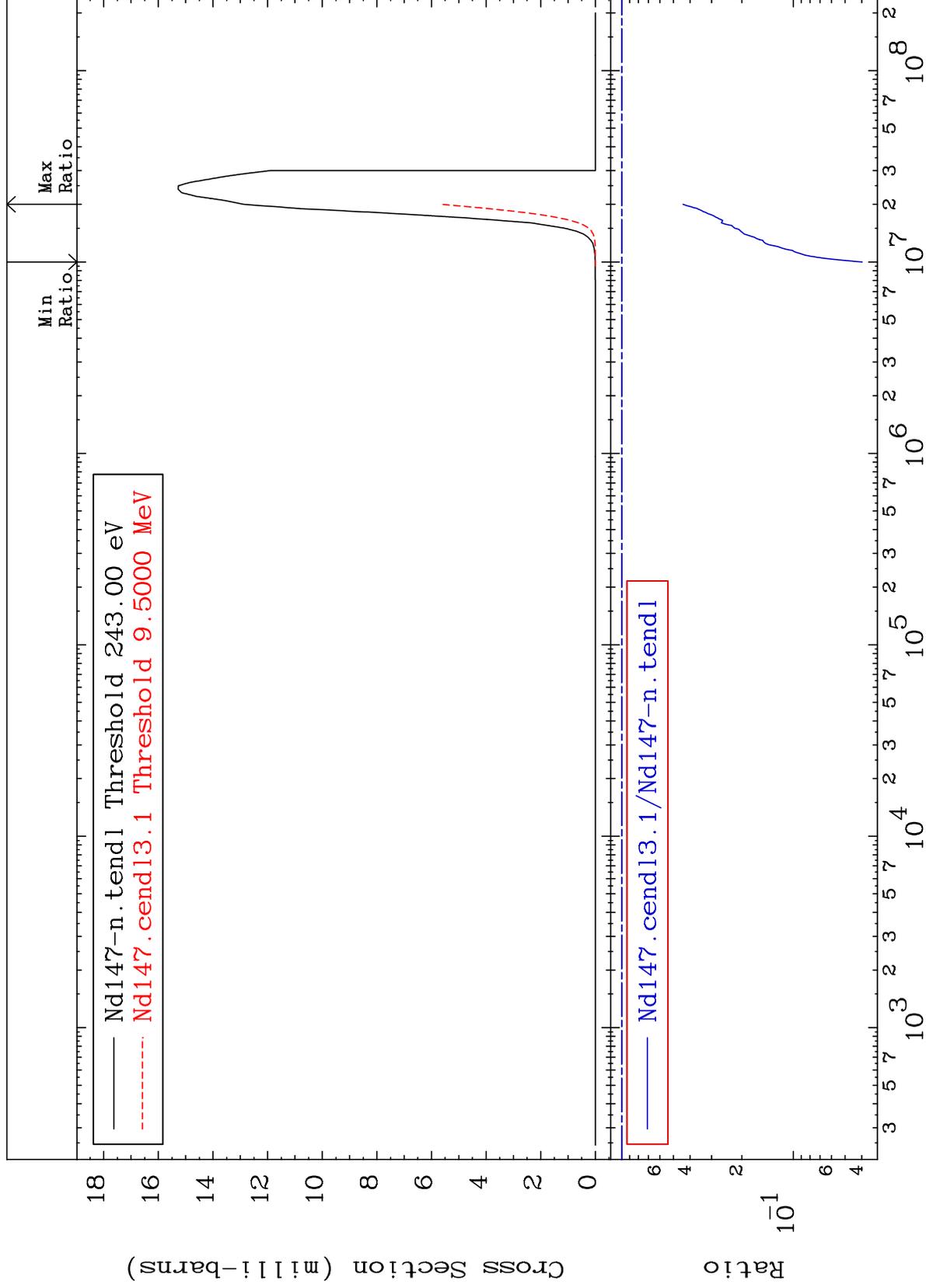
MAT 6040

$(n, n') \alpha$

Cross Section

60-Nd-147

-96.03 To -56.05%



6

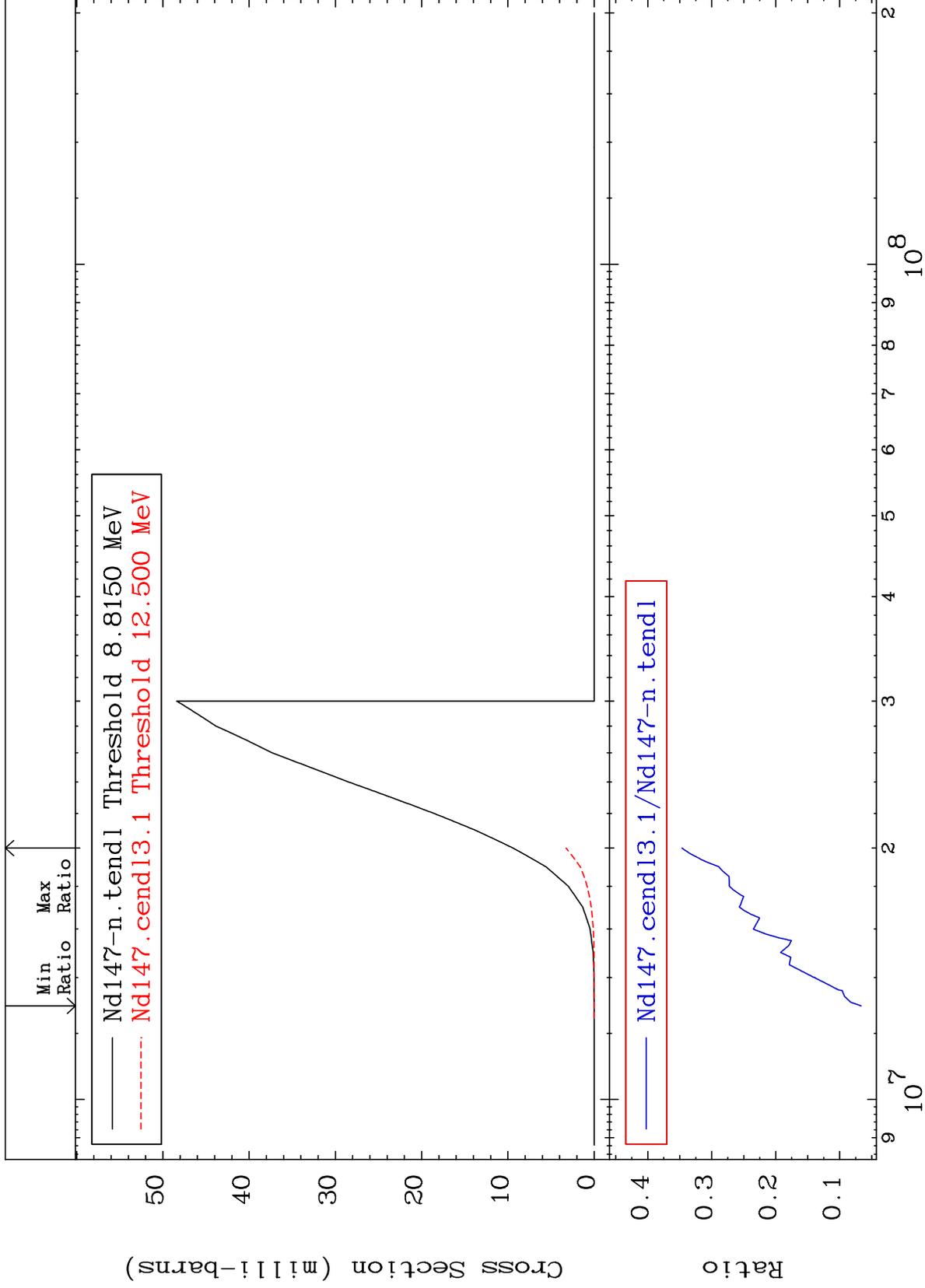
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') p
Cross Section

60-Nd-147
-93.35 To -65.33%



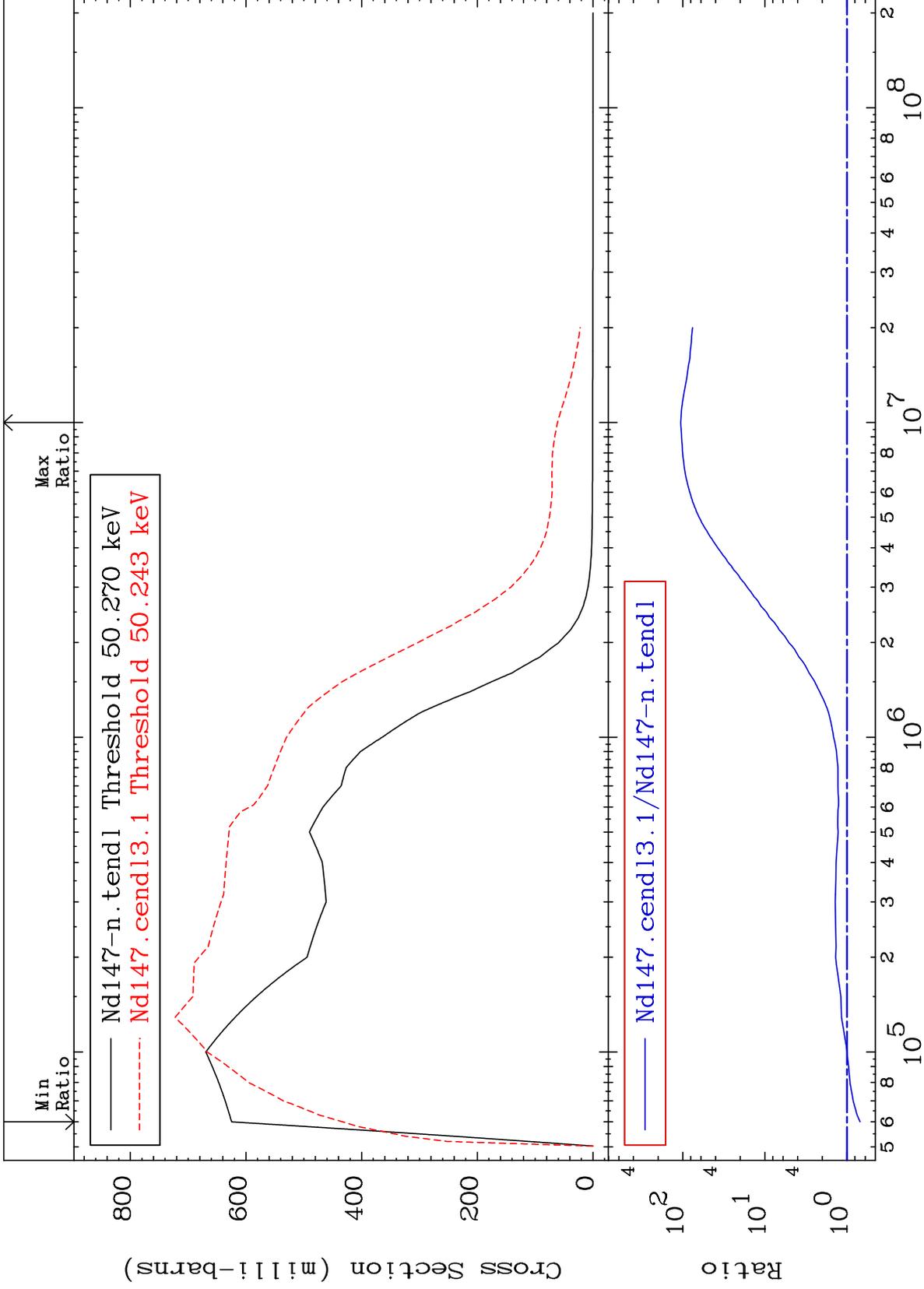
Incident Energy (eV)

60-Nd-147

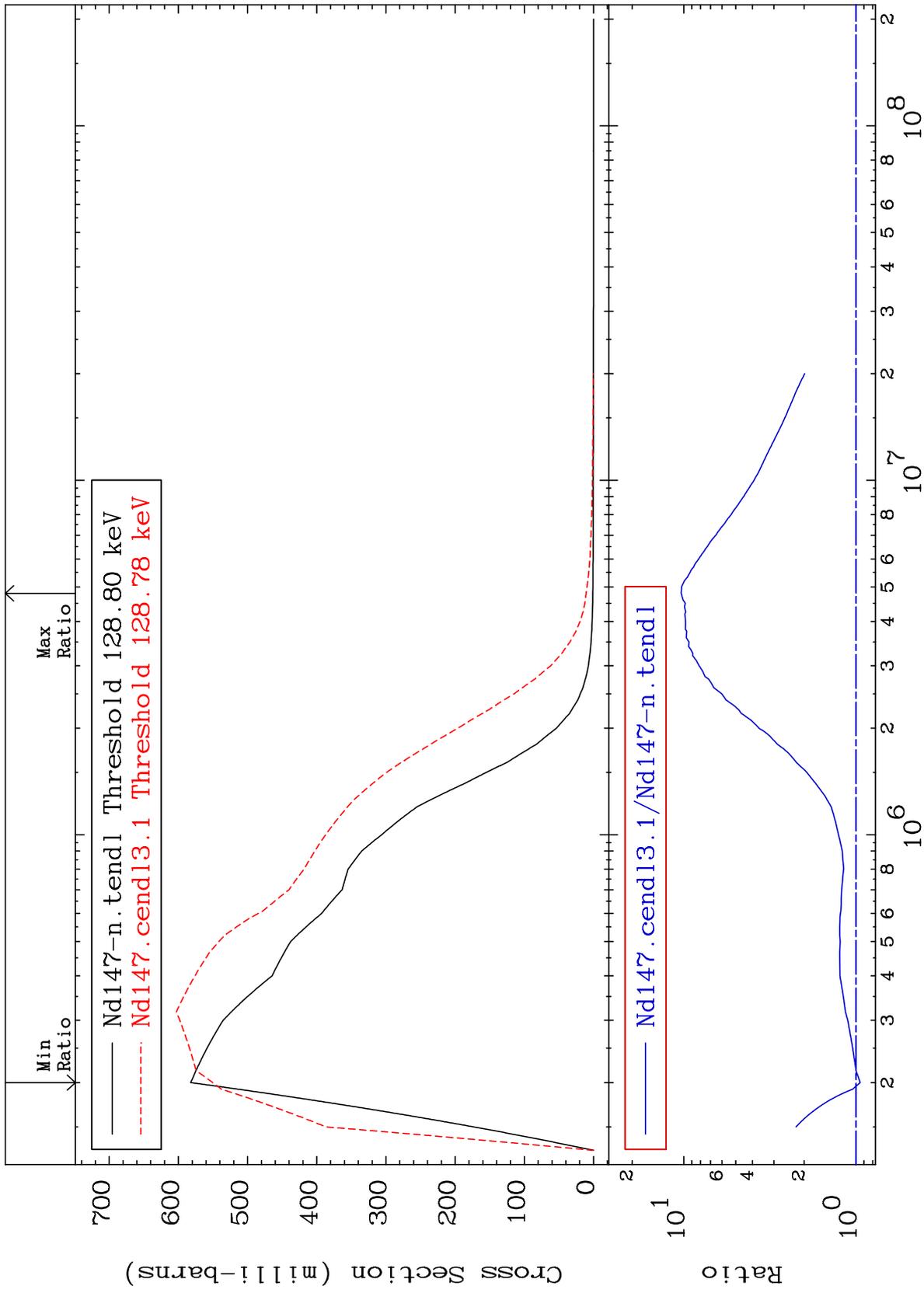
MAT 6040

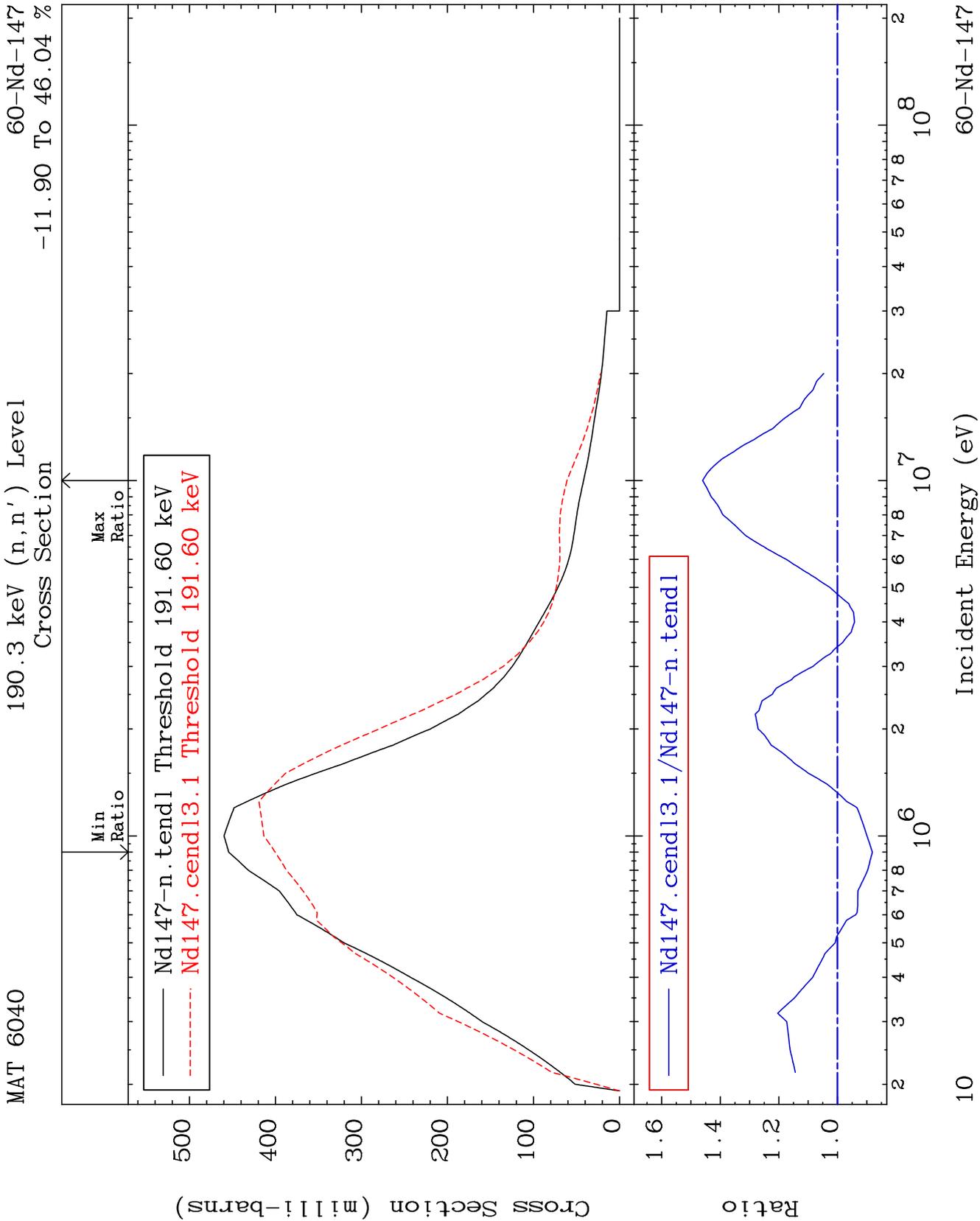
49.93 keV (n,n') Level
Cross Section

60-Nd-147
-30.72 To 9999. %



MAT 6040 127.9 keV (n,n') Level 60-Nd-147
 Cross Section -5.468 To 936.8 %

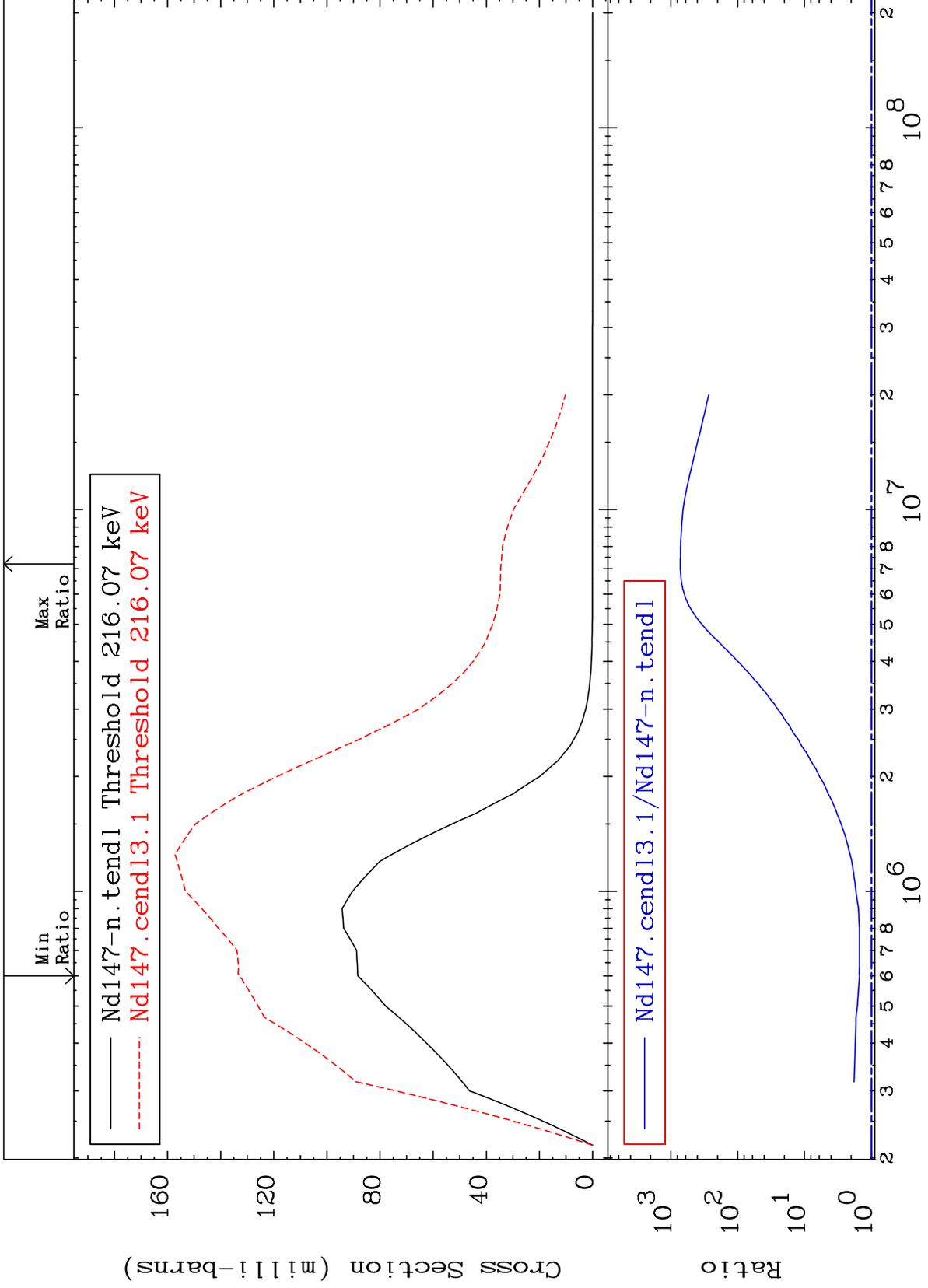




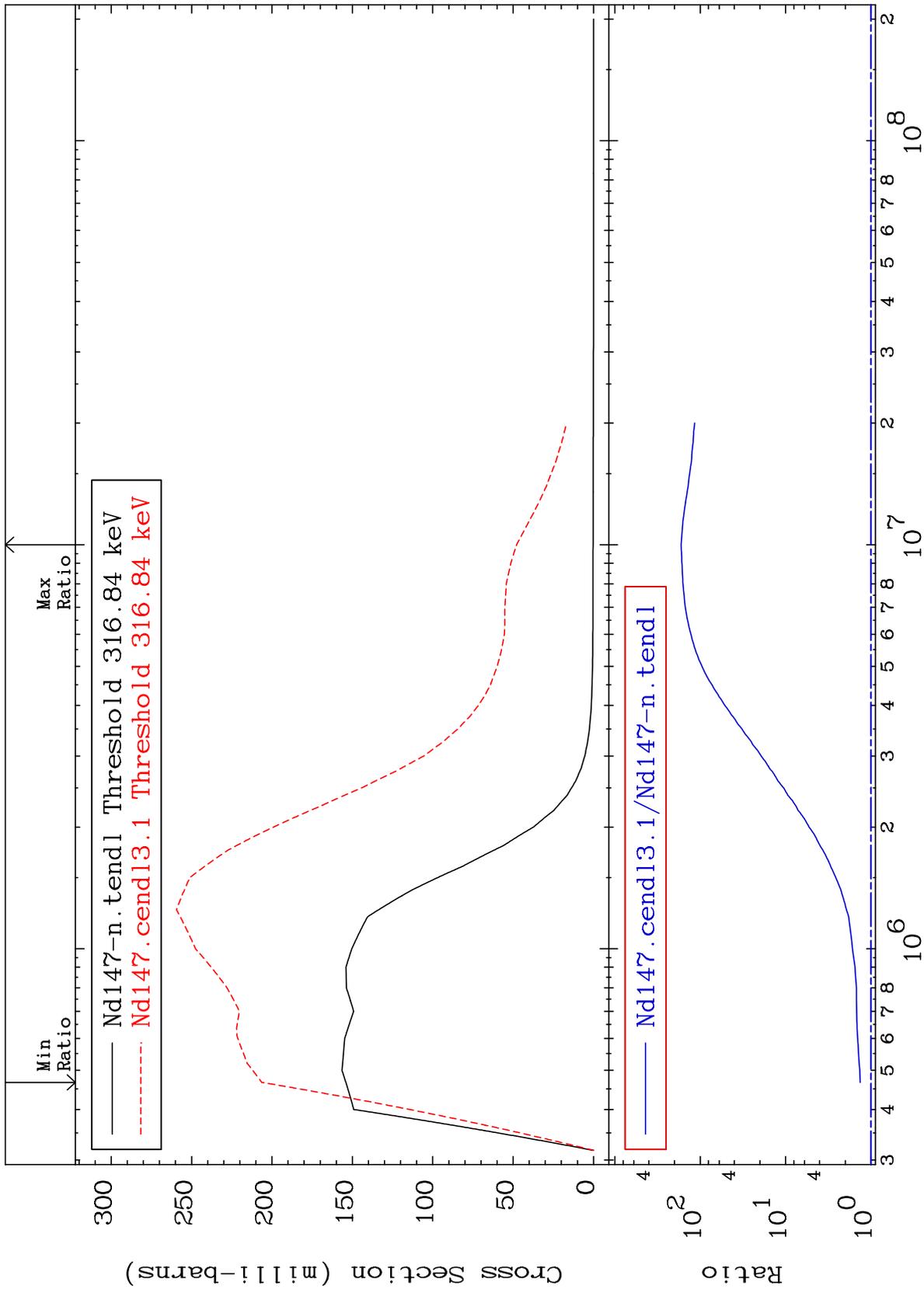
MAT 6040

214.6 keV (n,n') Level
Cross Section

60-Nd-147
50.31 To 9999. %

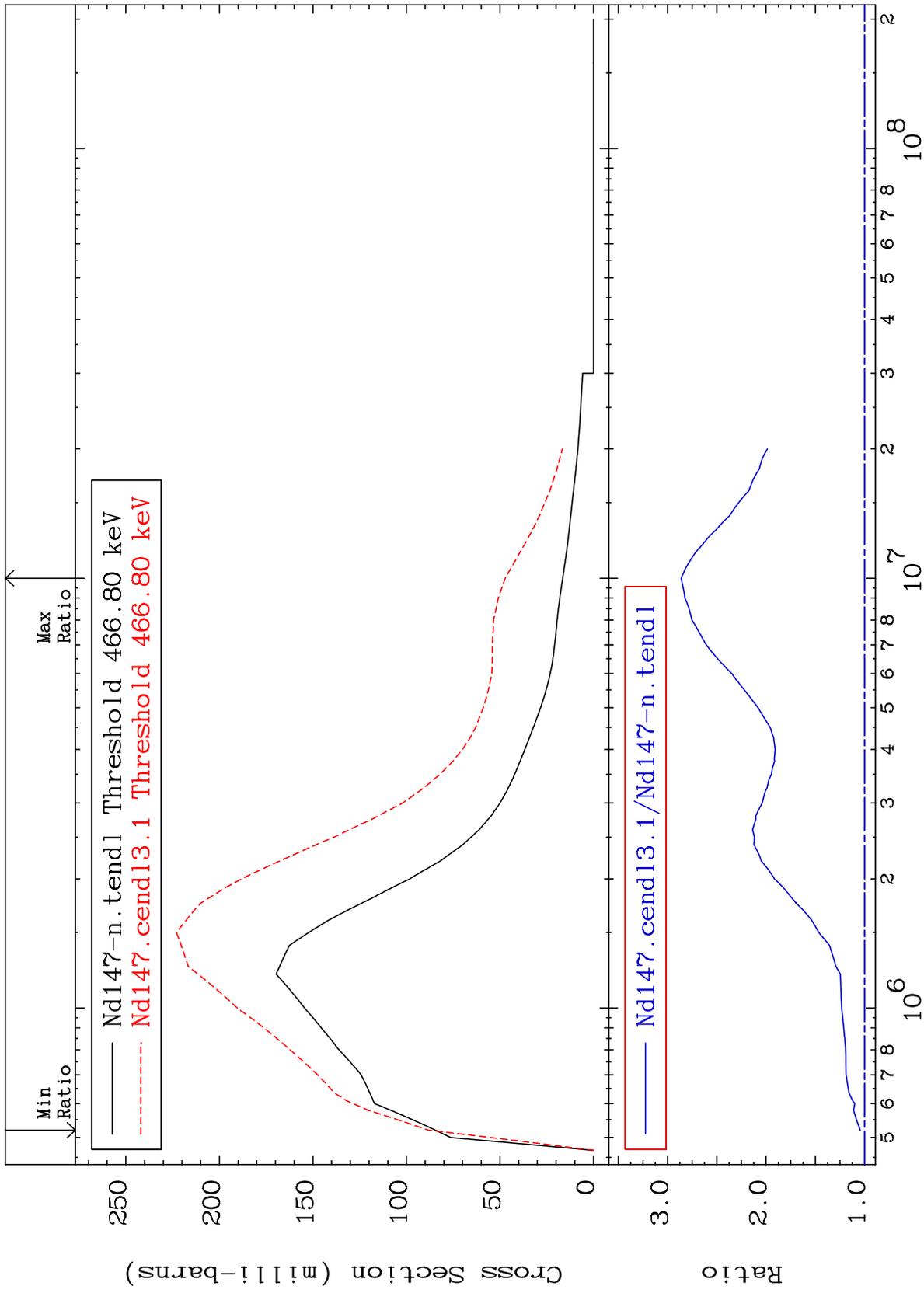


MAT 6040 314.7 keV (n,n') Level 60-Nd-147
 Cross Section 33.95 To 9999. %



12 Incident Energy (eV) 60-Nd-147

MAT 6040 463.6 keV (n,n') Level Cross Section 60-Nd-147 To 186.2 % 4.428



13 Incident Energy (eV) 60-Nd-147

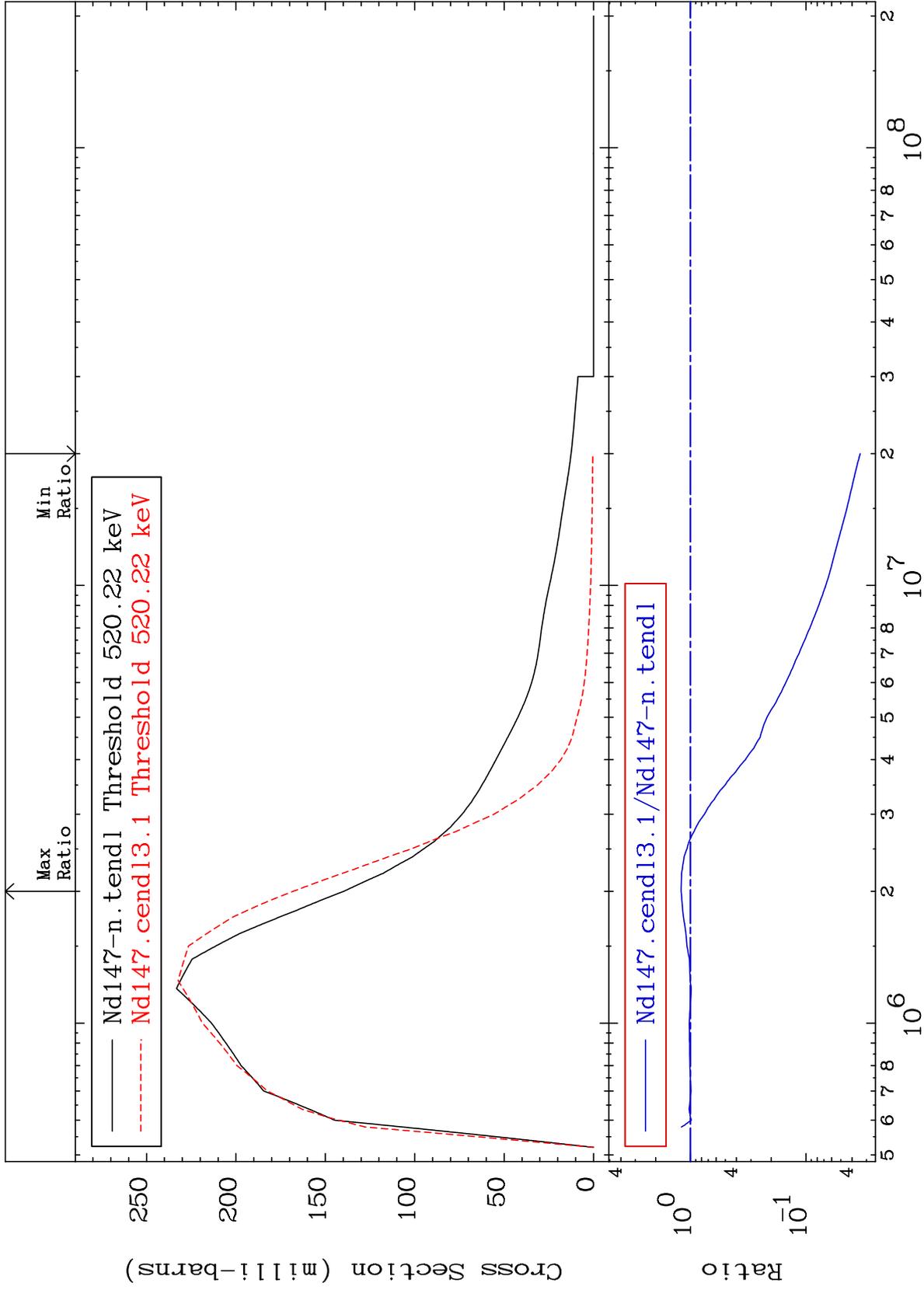
MAT 6040

516.7 keV (n,n') Level

60-Nd-147

-96.60 To 20.24 %

Cross Section

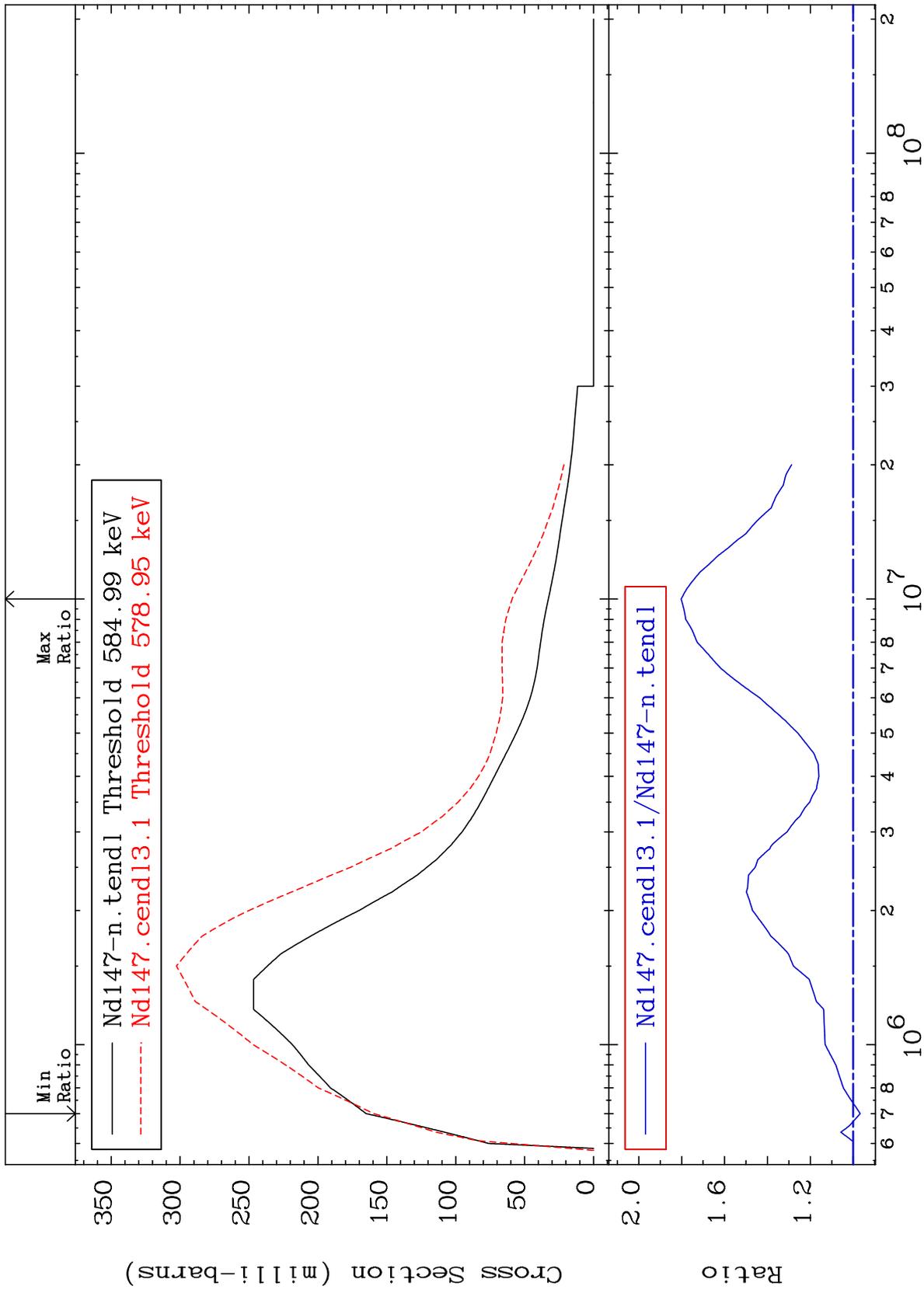


14

Incident Energy (eV)

60-Nd-147

MAT 6040 581.0 keV (n,n') Level 60-Nd-147
 Cross Section -3.267 To 80.23 %



15 Incident Energy (eV) 60-Nd-147

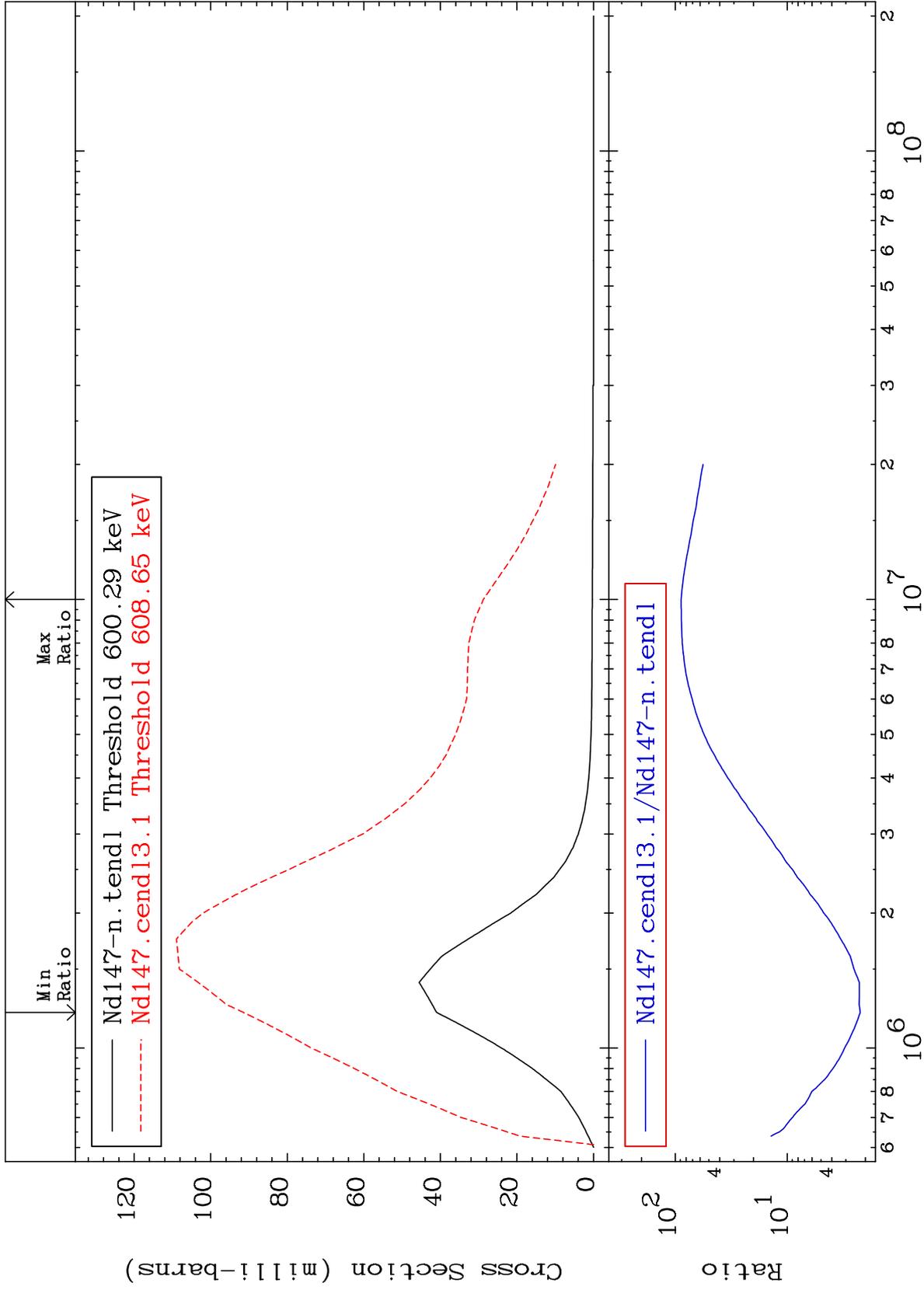
MAT 6040

596.2 keV (n,n') Level

60-Nd-147

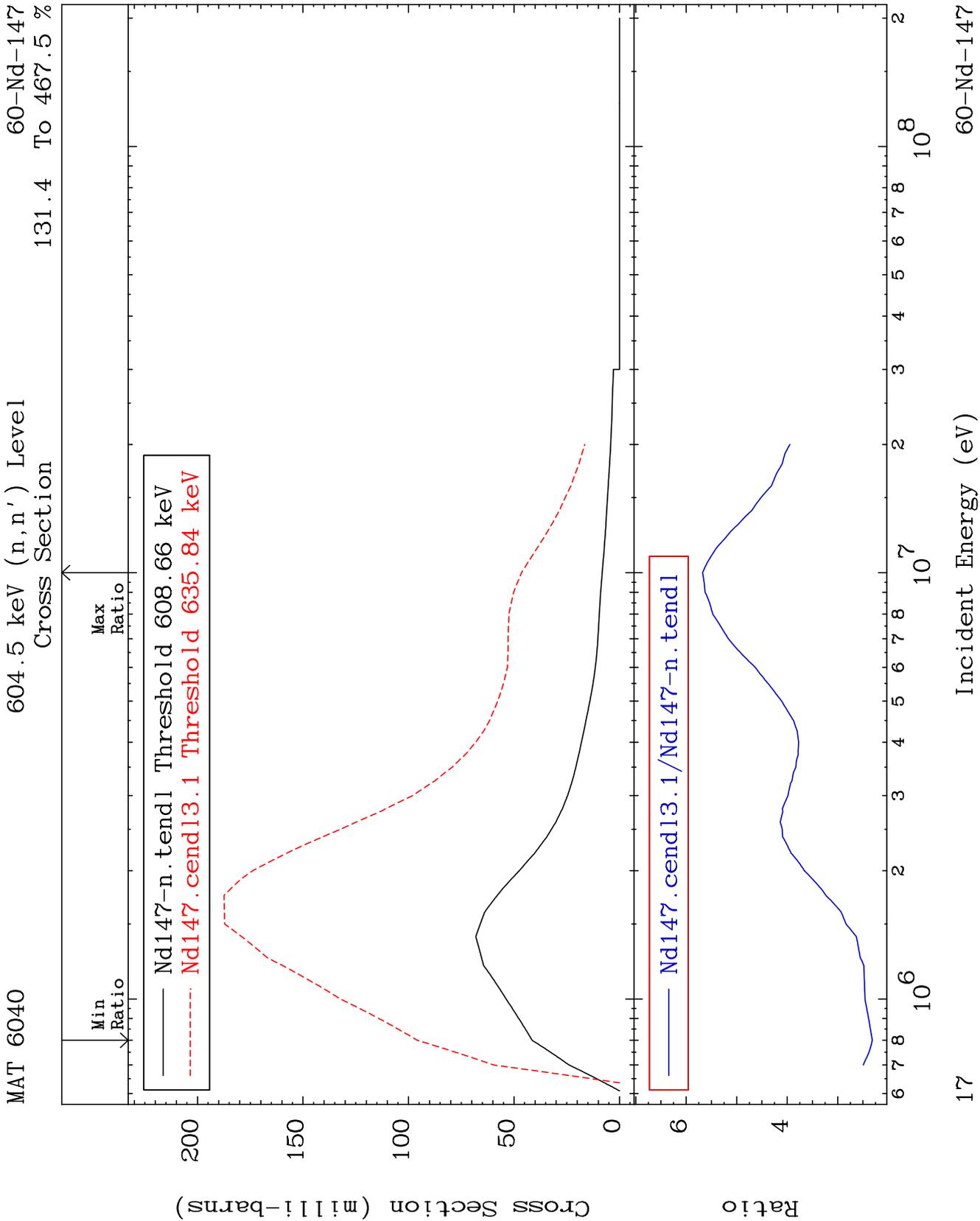
123.0 To 8746. %

Cross Section



16

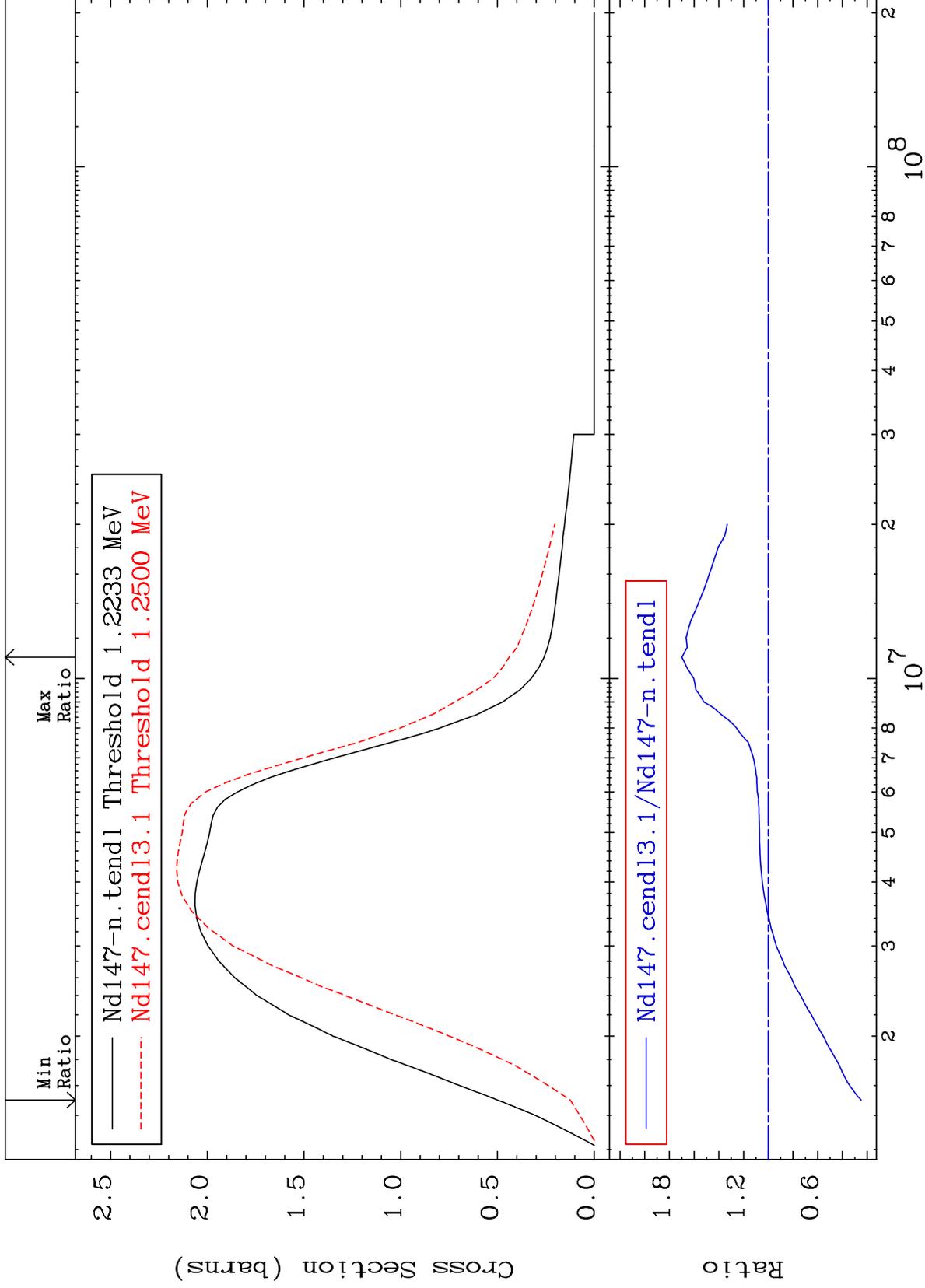
60-Nd-147



MAT 6040

(n, n') Continuum
Cross Section

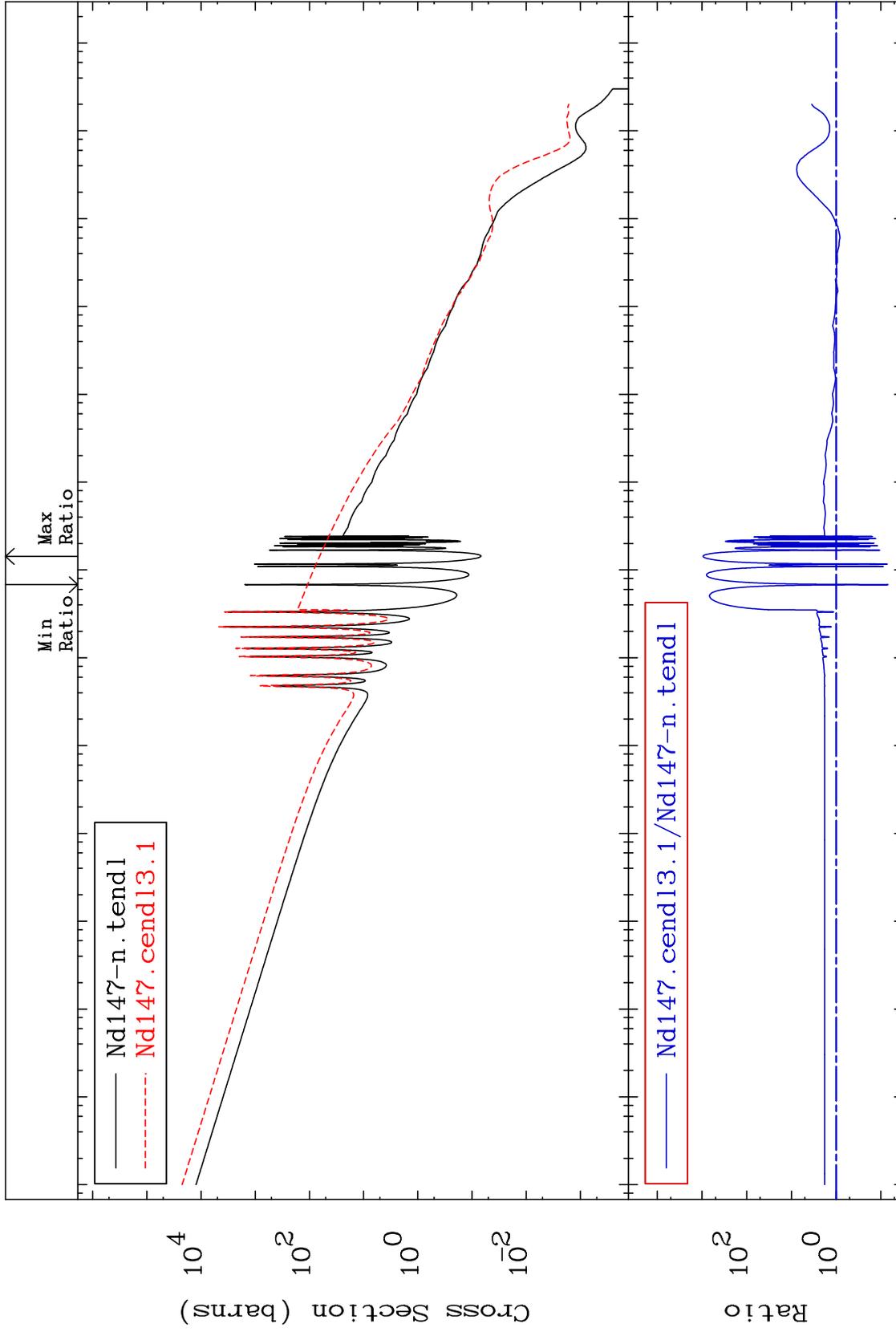
60-Nd-147
-75.15 To 69.89 %



MAT 6040

(n, γ)
Cross Section

60-Nd-147
-93.04 To 9999. %



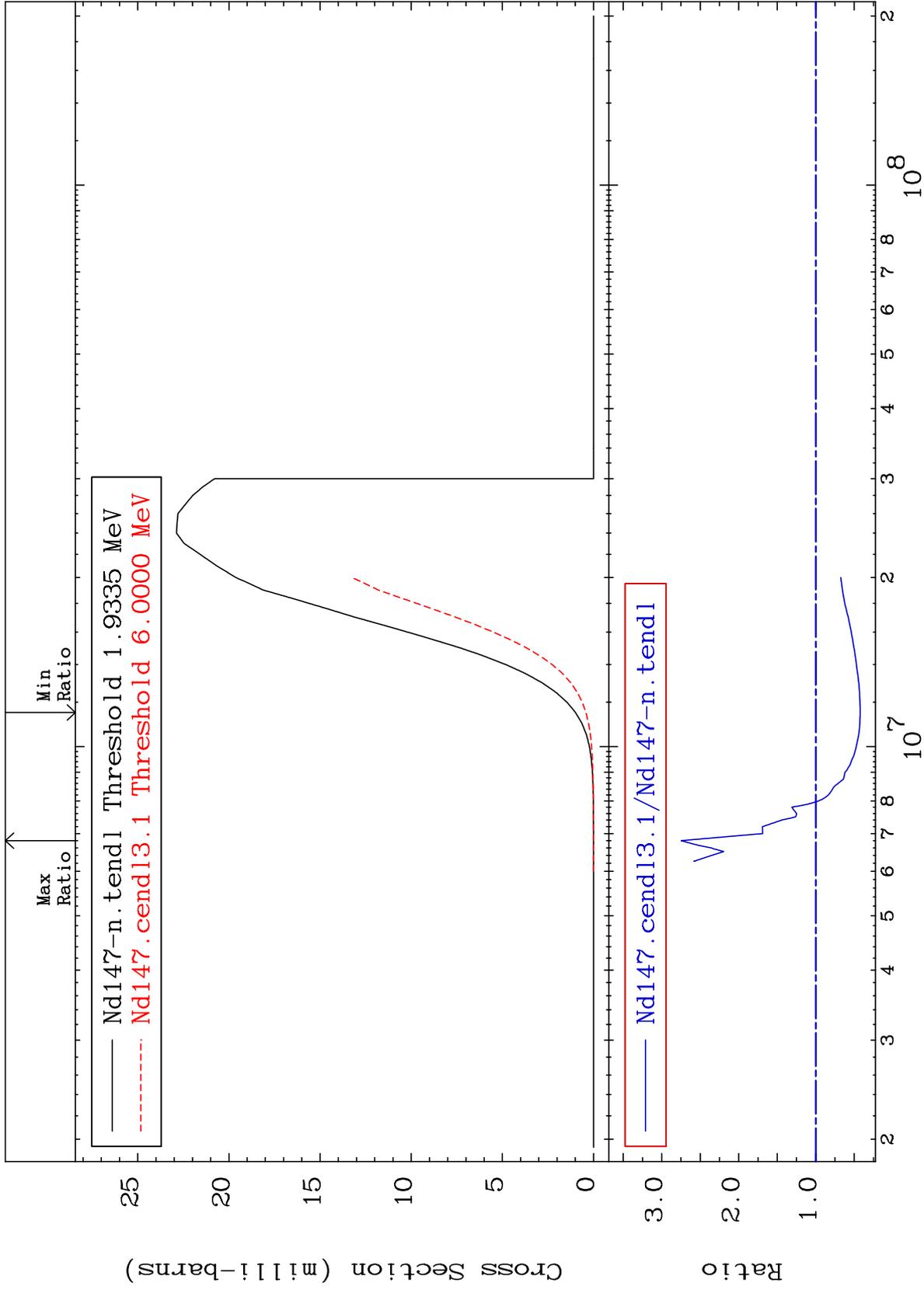
MAT 6040

(n, p)

60-Nd-147

Cross Section

-57.76 To 174.8 %



20

Incident Energy (eV)

60-Nd-147

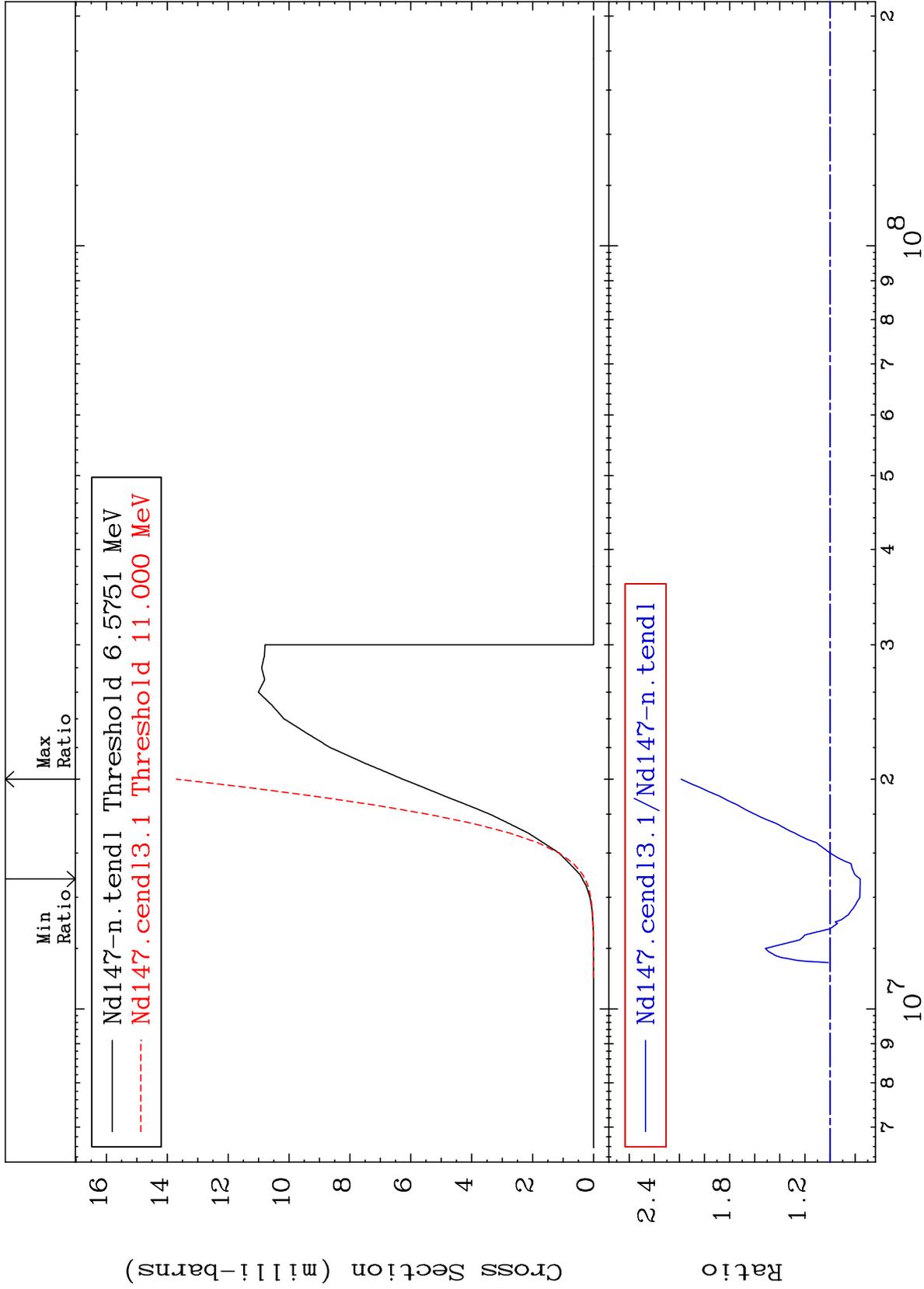
MAT 6040

(n, d)

60-Nd-147

Cross Section

-24.04 To 118.6 %



21

60-Nd-147

MAT 6040

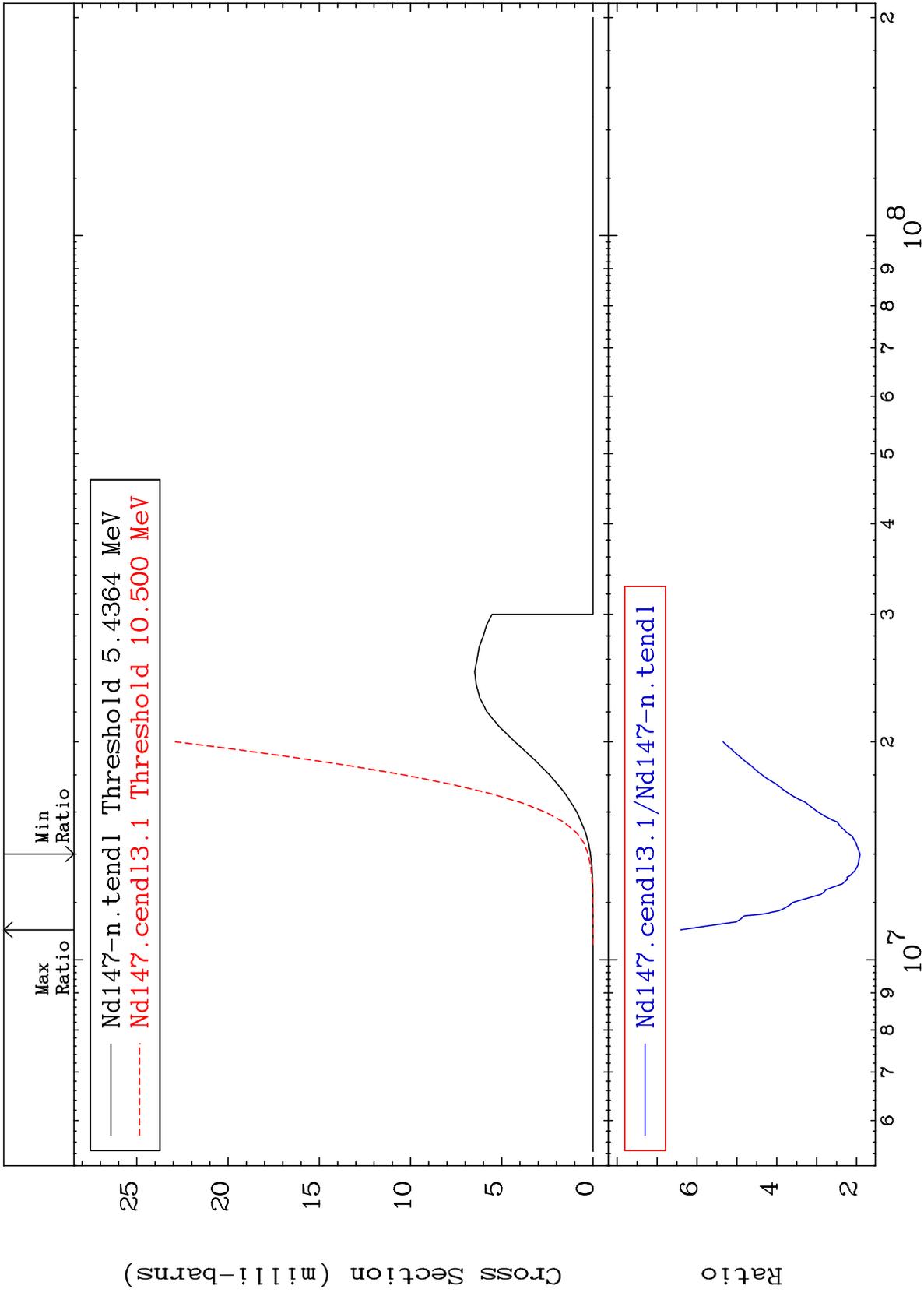
(n, t)

60-Nd-147

Cross Section

91.28

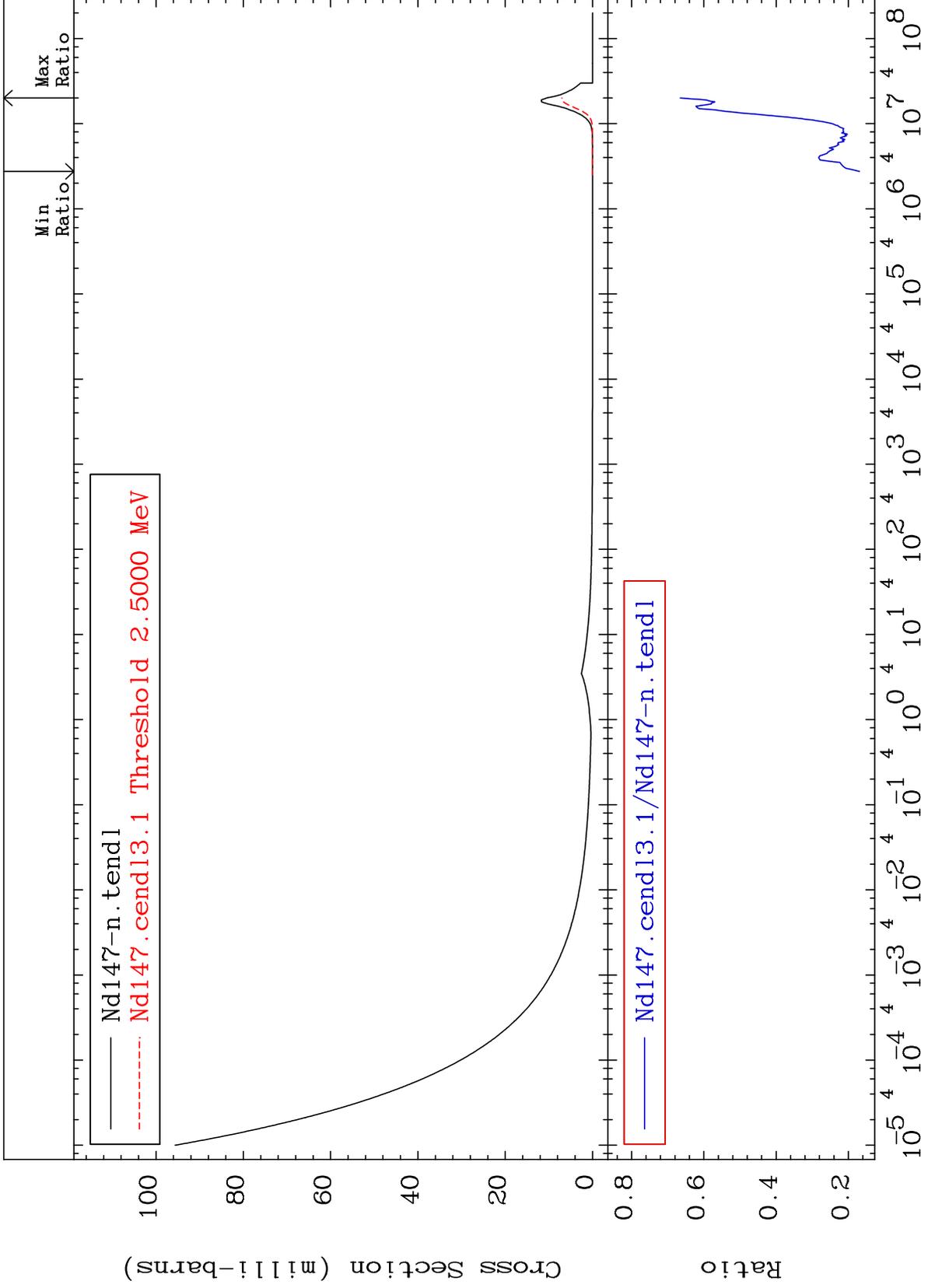
To 540.6 %



MAT 6040

(n, α)
Cross Section

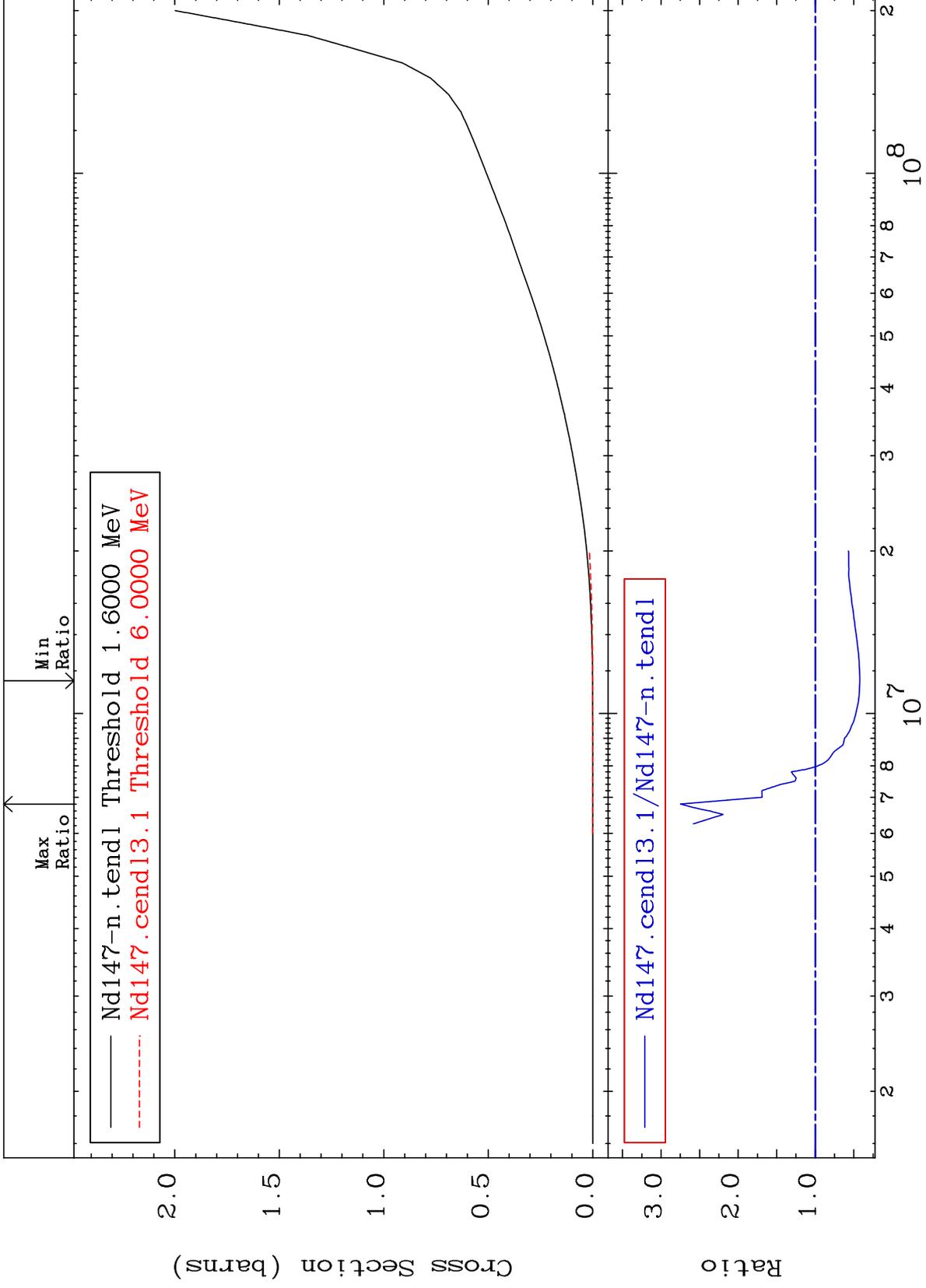
60-Nd-147
-83.06 To -33.47%



MAT 6040

Hydrogen Production
Cross Section

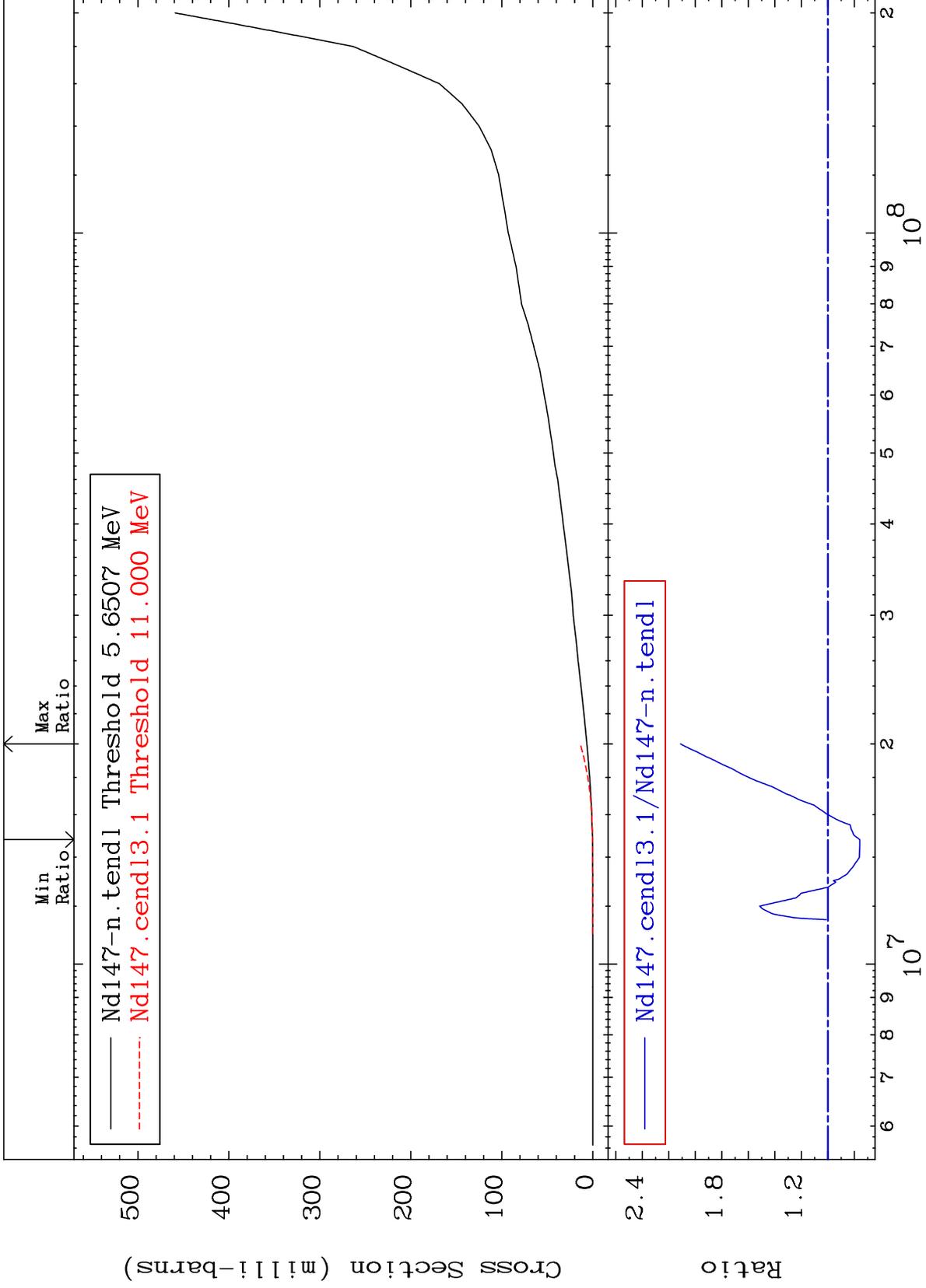
60-Nd-147
-57.76 To 174.8 %



MAT 6040

Deuterium Production
Cross Section

60-Nd-147
-24.04 To 111.2 %



25

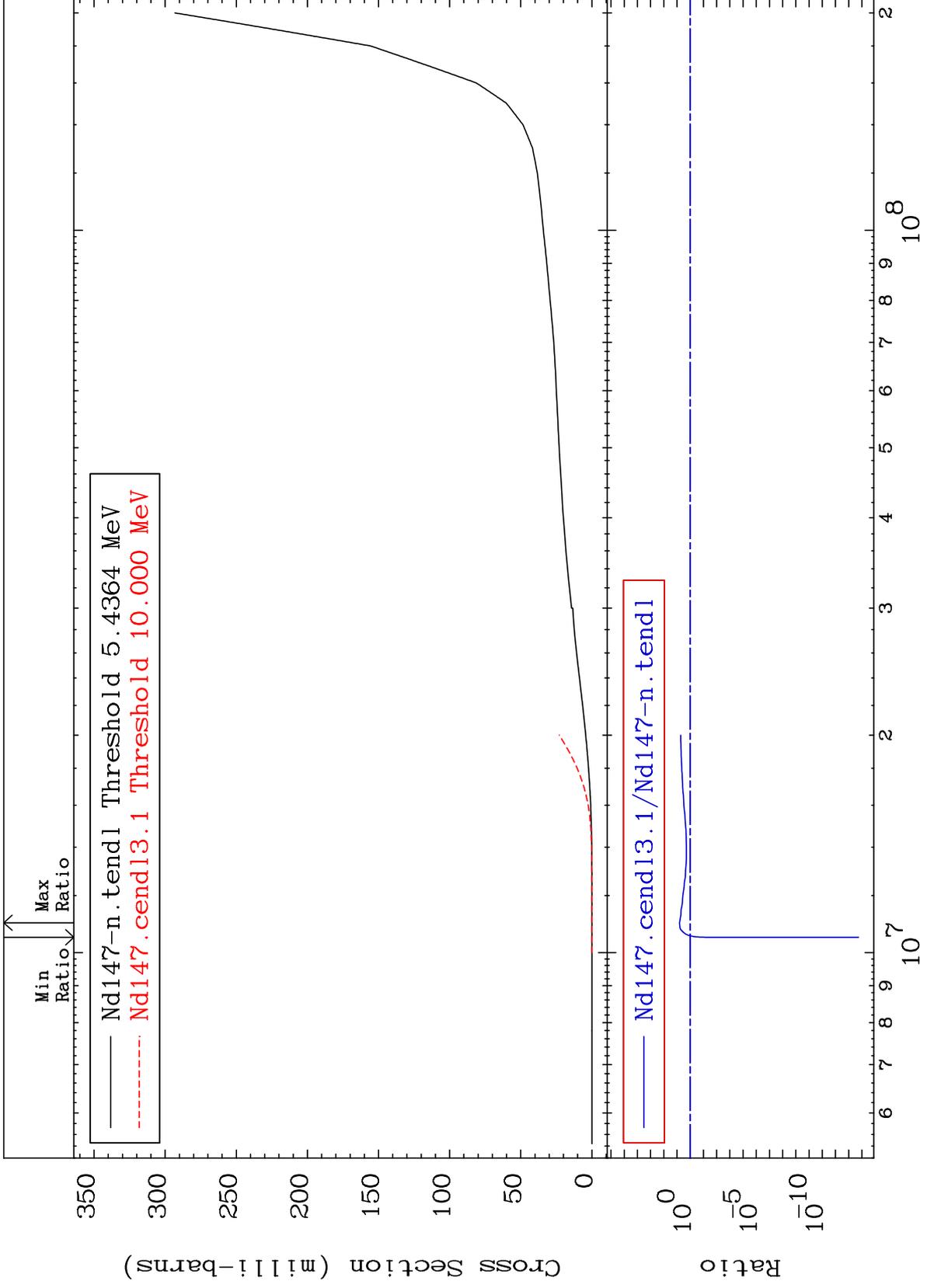
Incident Energy (eV)

60-Nd-147

MAT 6040

Tritium Production
Cross Section

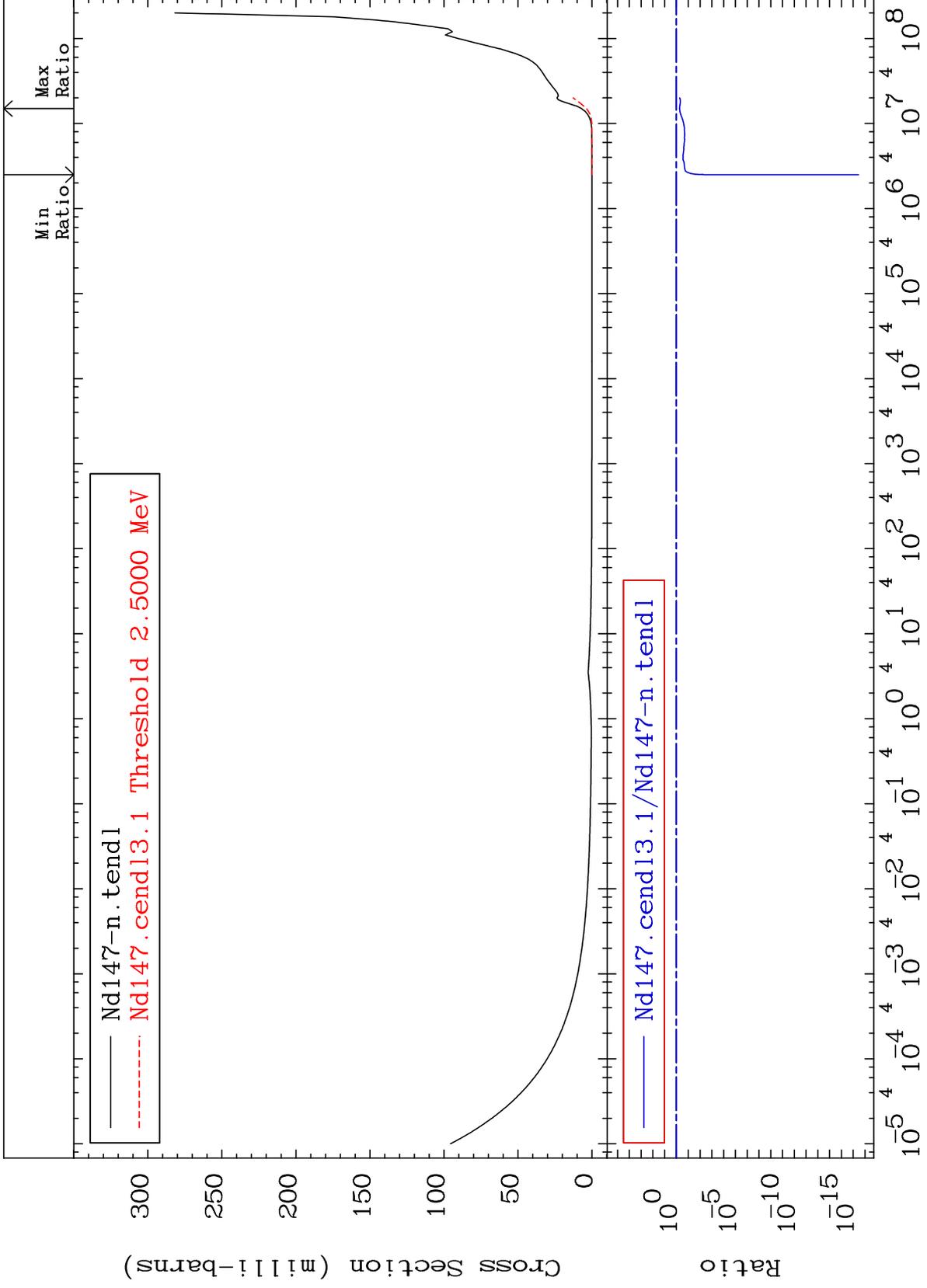
60-Nd-147
-100.0 To 540.6 %



MAT 6040

He-4 Production
Cross Section

60-Nd-147
-100.0 To -45.13%



27

Incident Energy (eV)

60-Nd-147

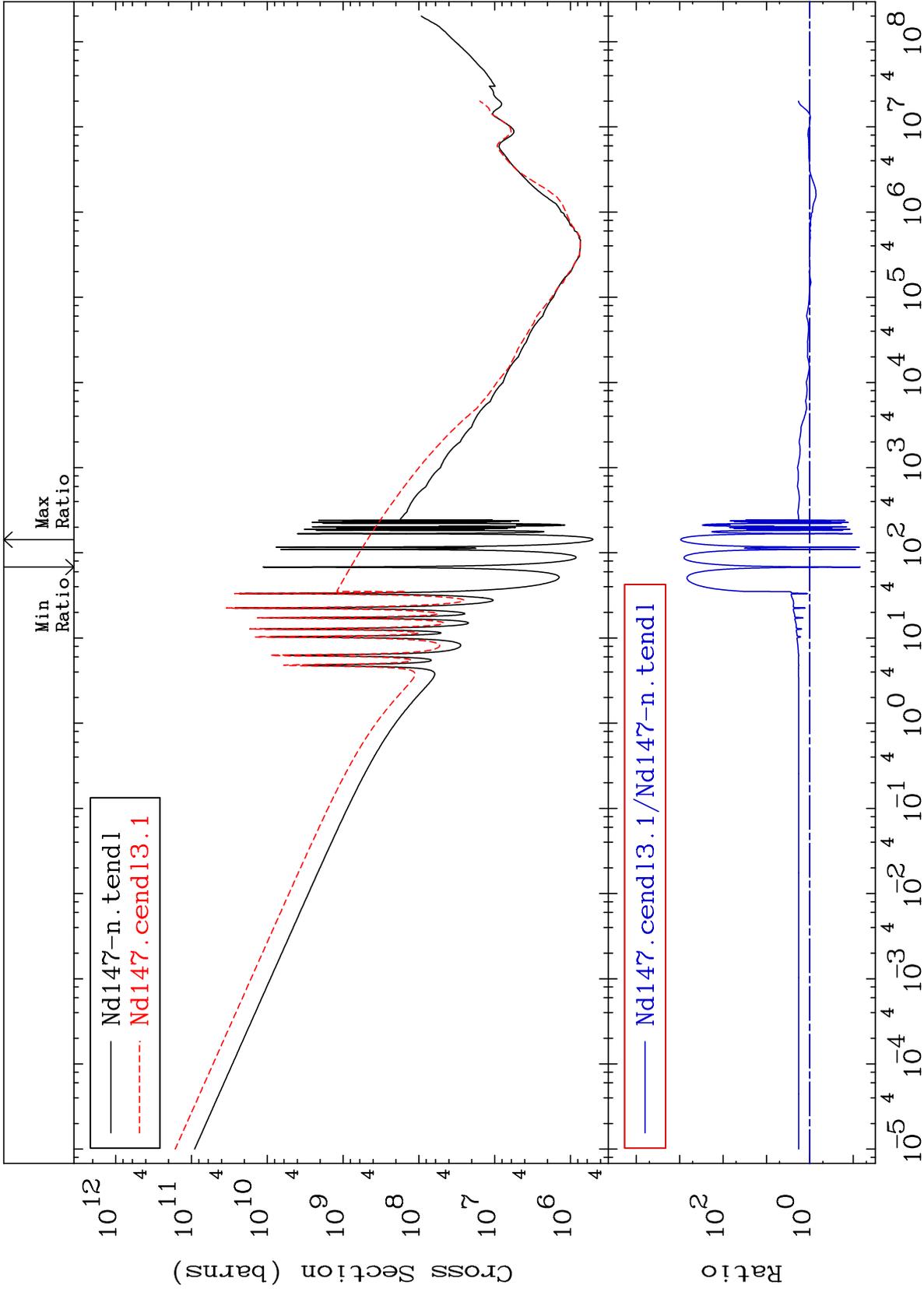
MAT 6040

Kerma total (eV-barns)

60-Nd-147

-93.04 To 9999. %

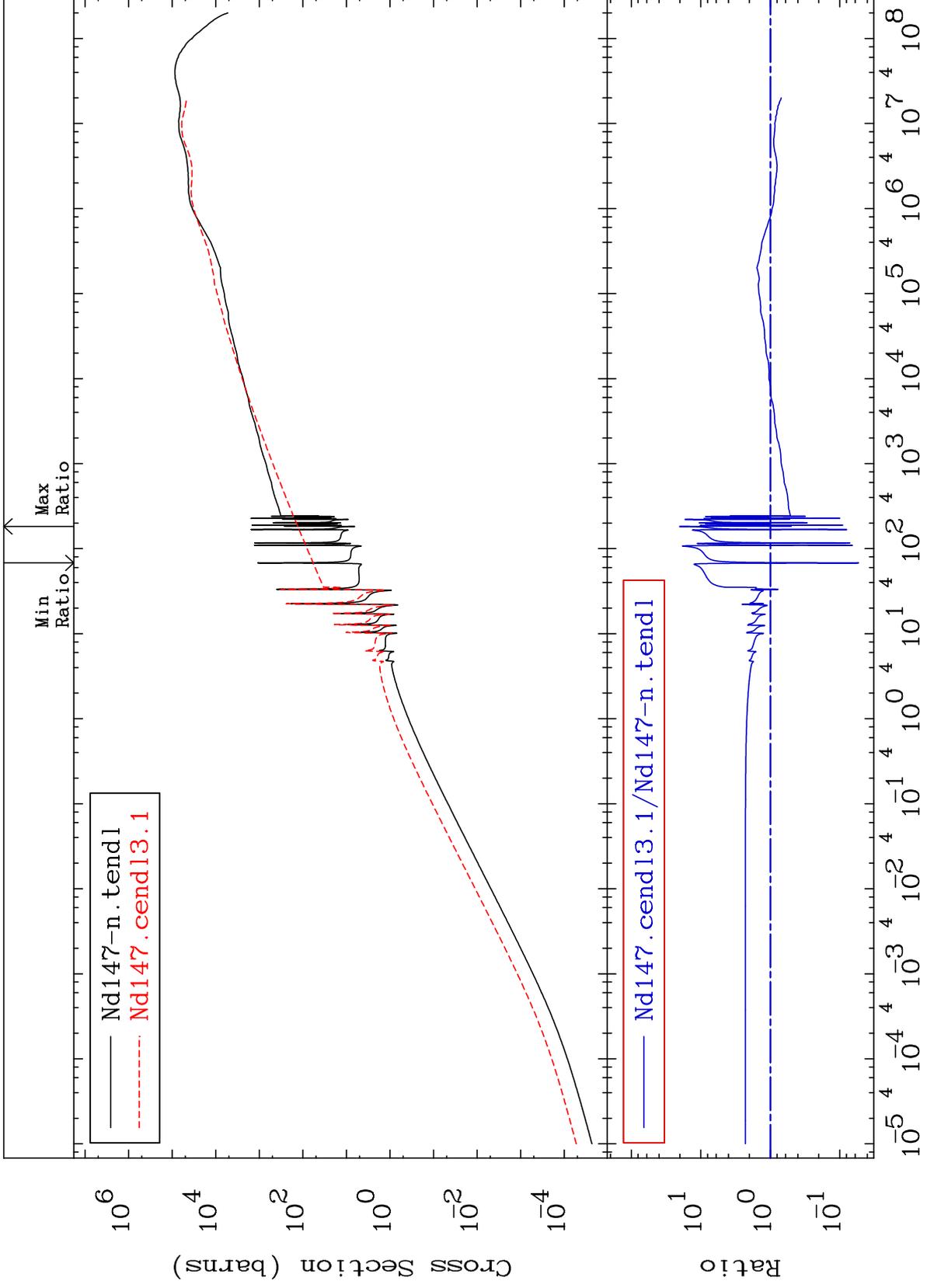
Cross Section

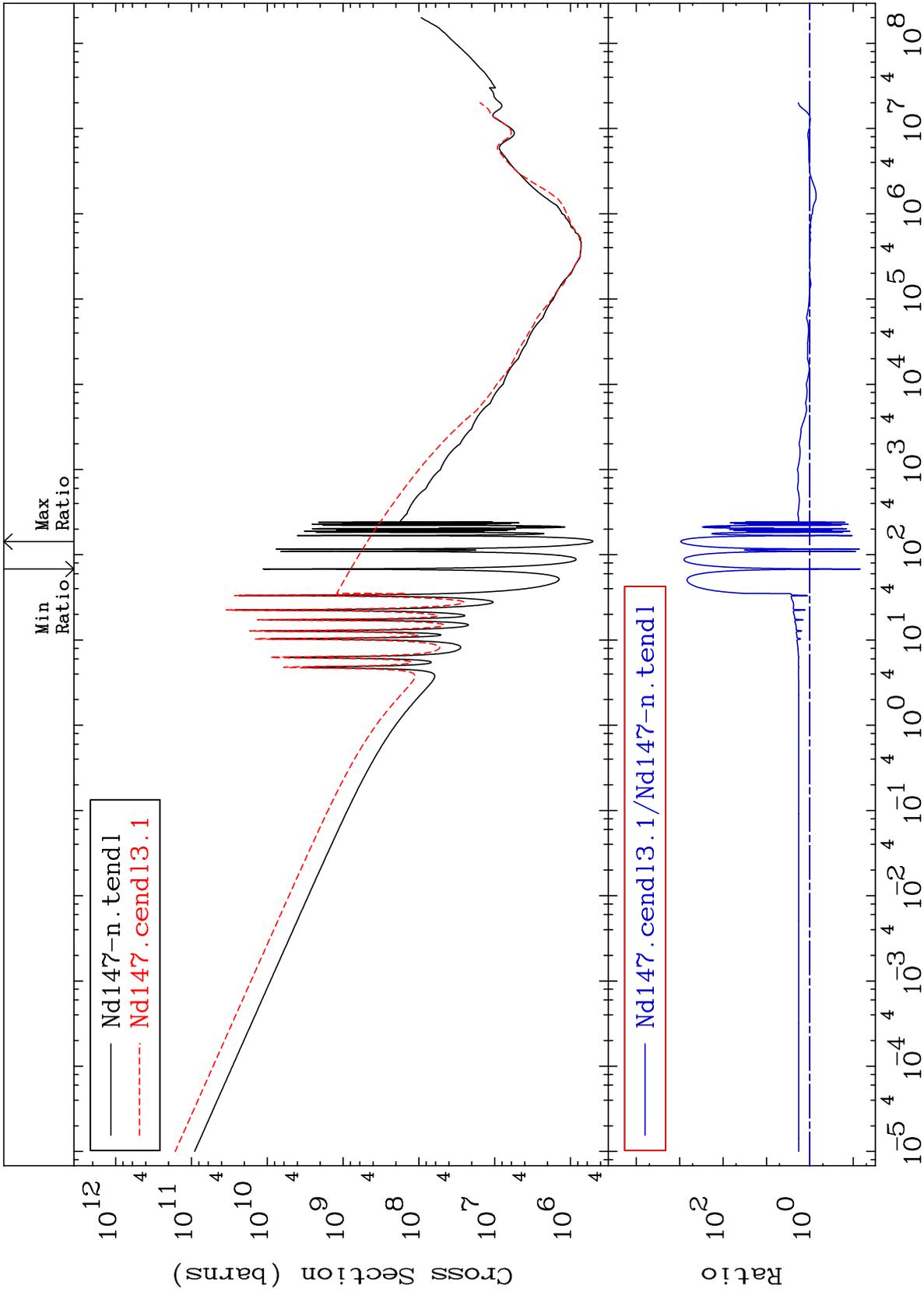


MAT 6040

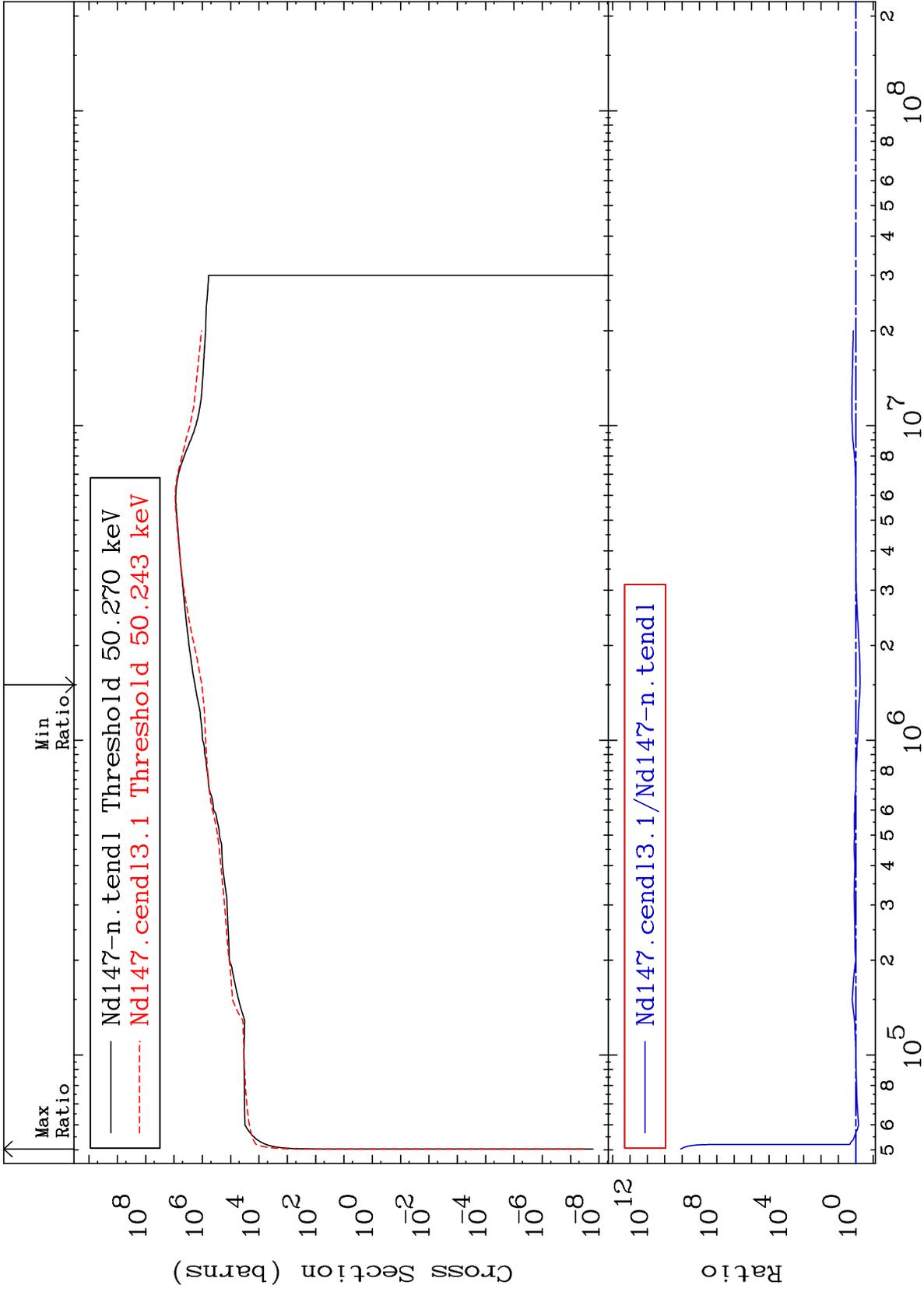
Kerma elastic
Cross Section

60-Nd-147
-94.64 To 1926. %





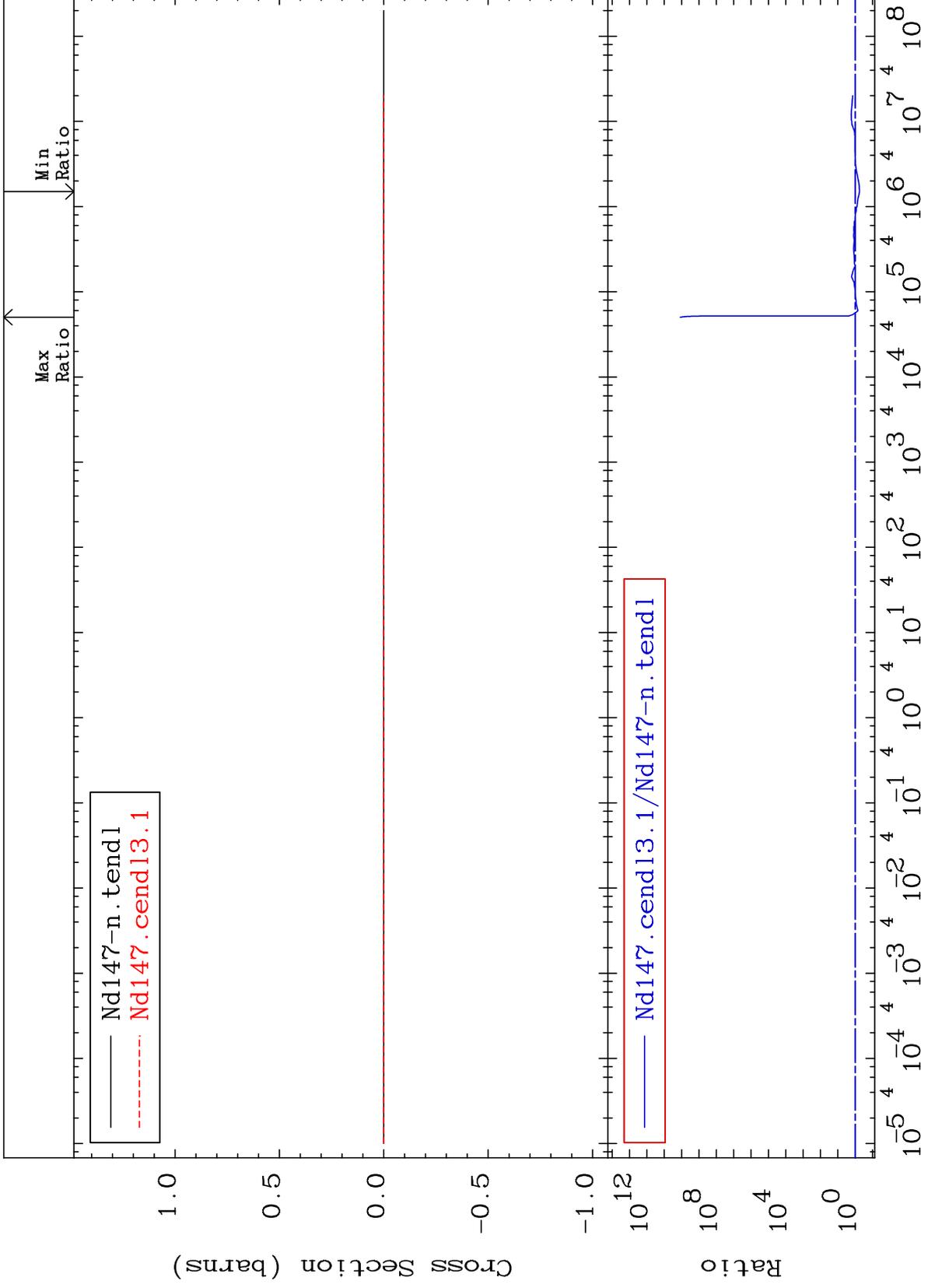
Incident Energy (eV)



MAT 6040

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

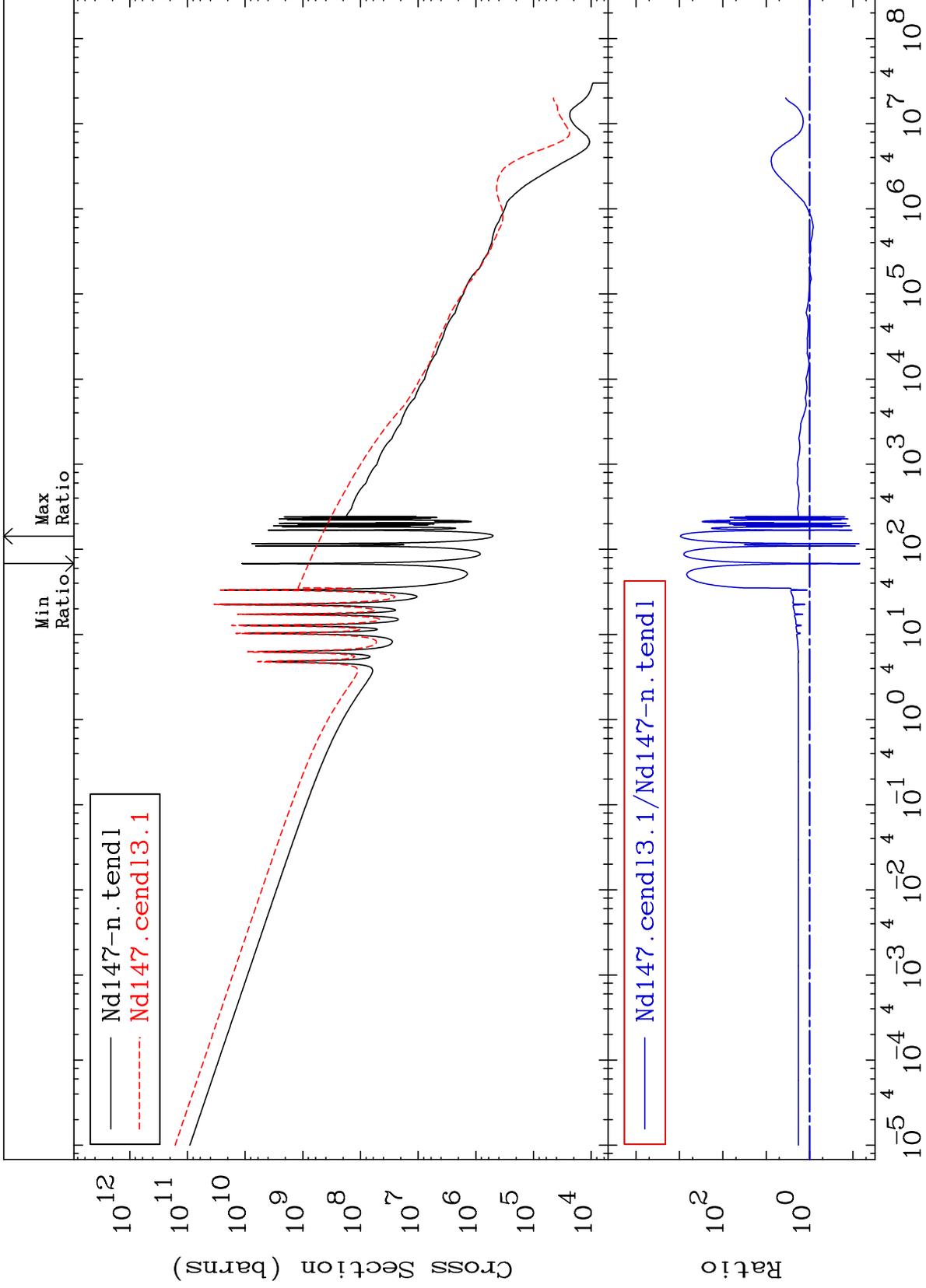
60-Nd-147
-43.00 To 9999. %



MAT 6040

Kerma capture (mt102)
Cross Section

60-Nd-147
-93.04 To 9999. %

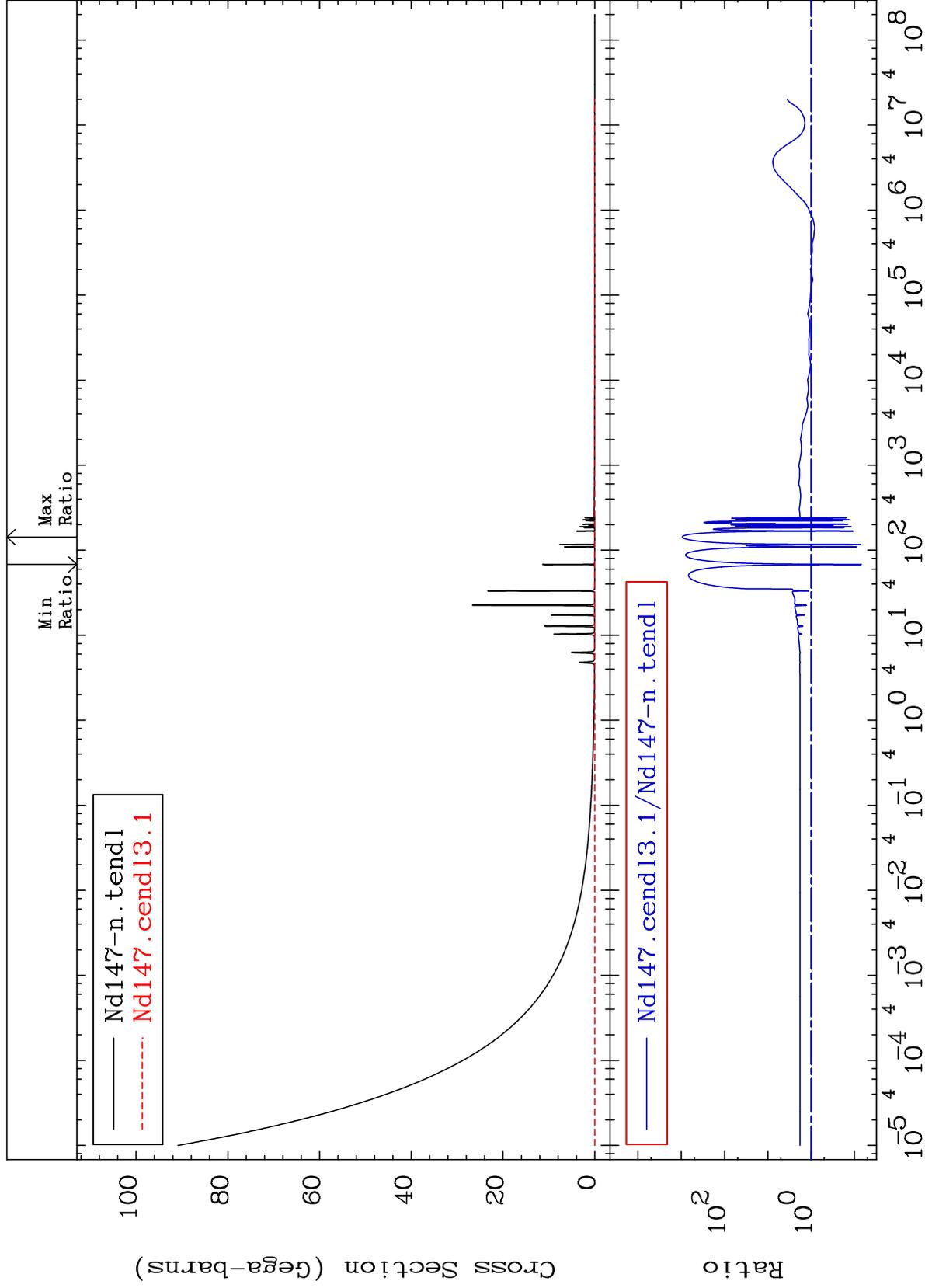


MAT 6040

Total photon (eV-barns)
Cross Section

60-Nd-147

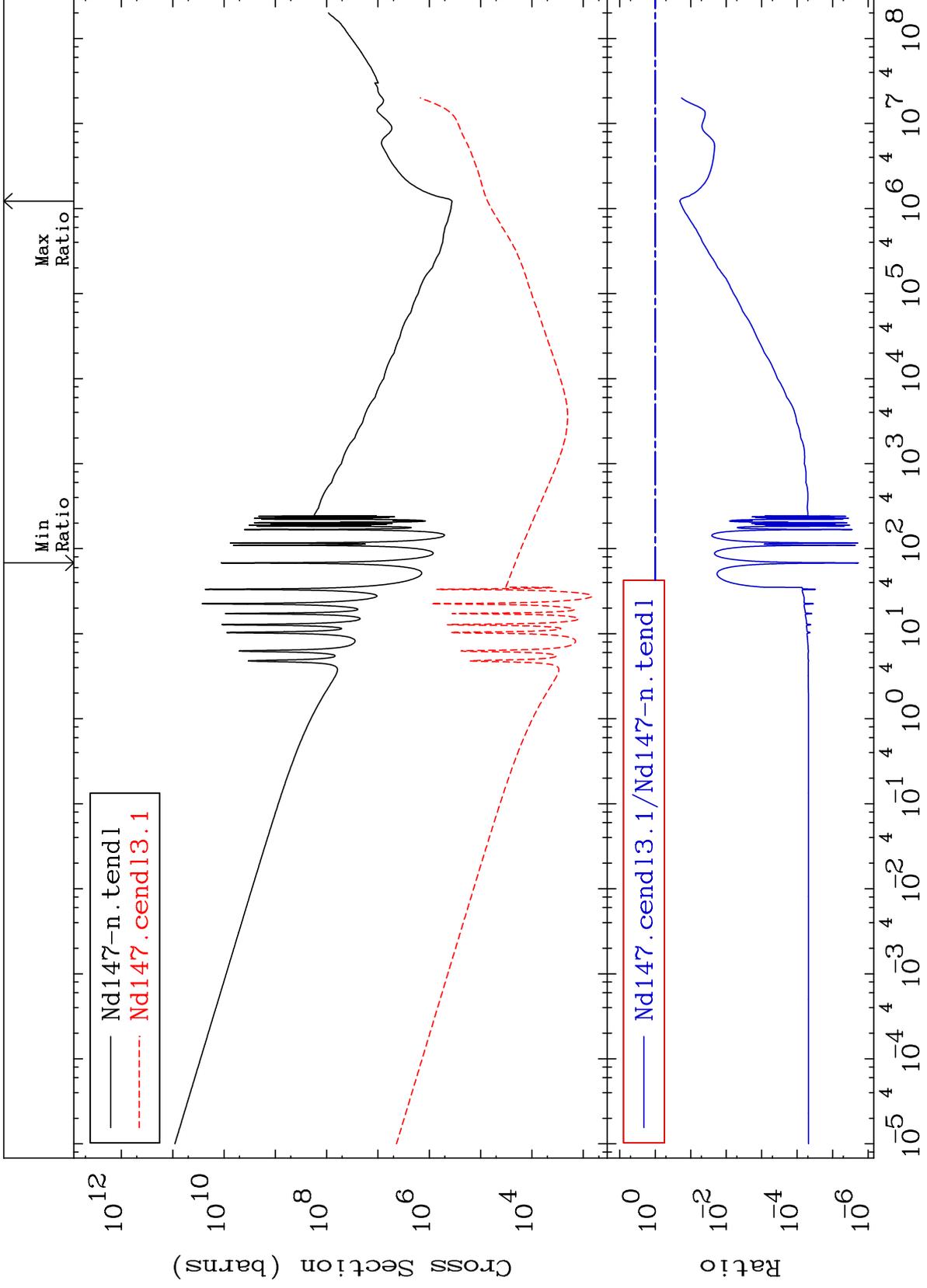
-93.04 To 9999. %



MAT 6040

Total kinematic kerma (high limit)
Cross Section

60-Nd-147
-100.0 To -79.37%



35

Incident Energy (eV)

60-Nd-147

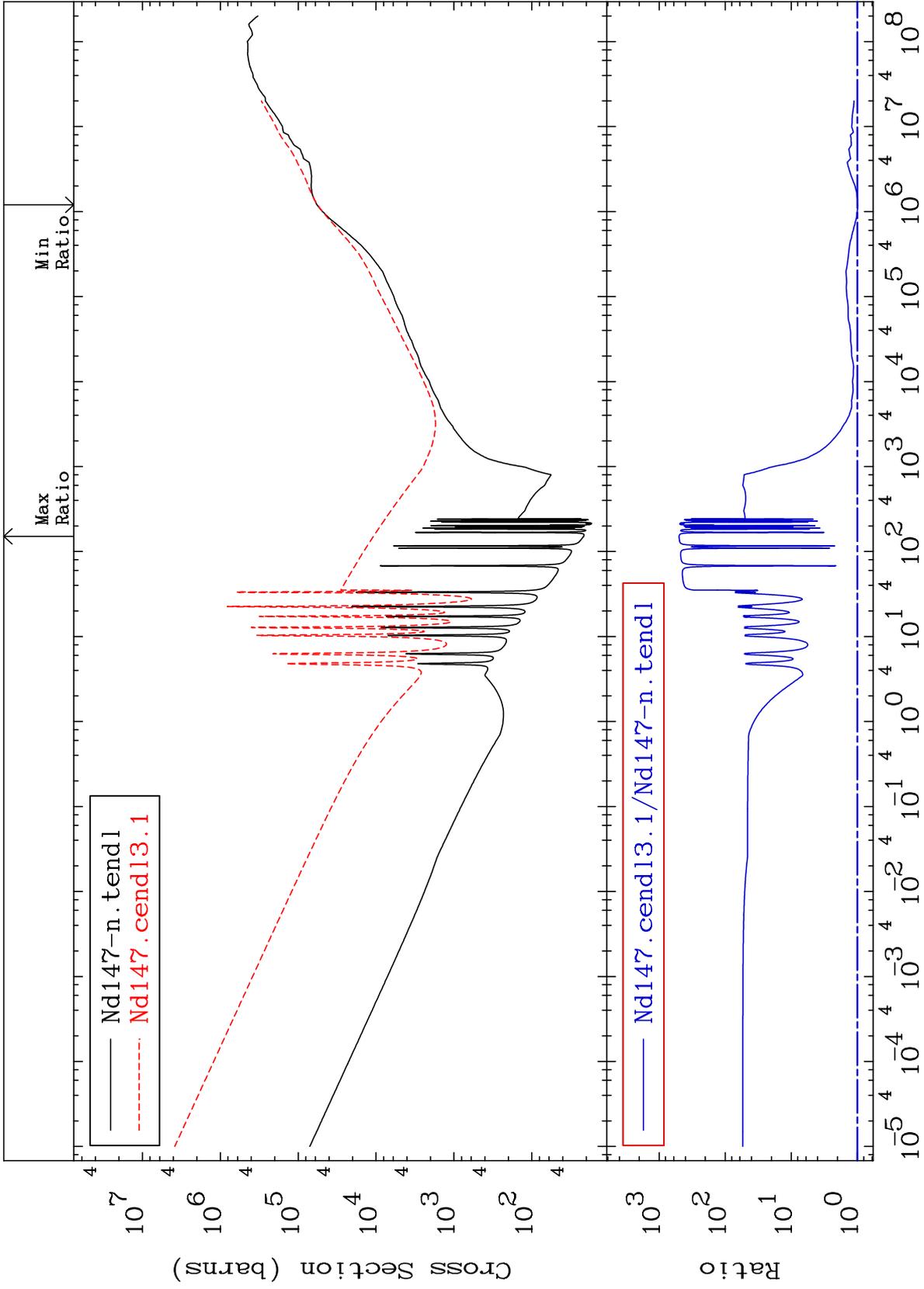
MAT 6040

Dpa total (eV-barns)

60-Nd-147

-1.904 To 9999. %

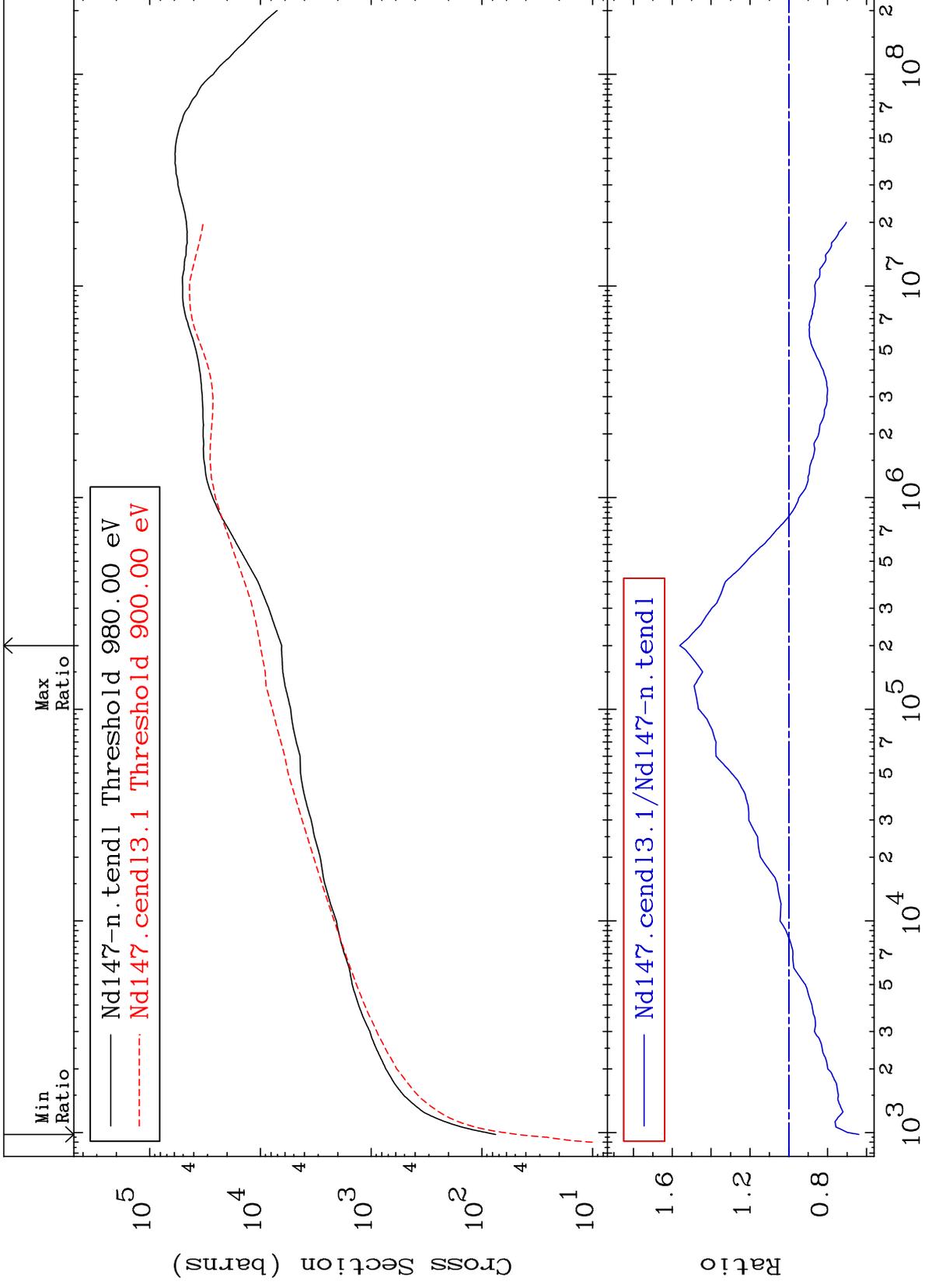
Cross Section



MAT 6040

Dpa elastic (mt2)
Cross Section

60-Nd-147
-36.05 To 56.12 %



37

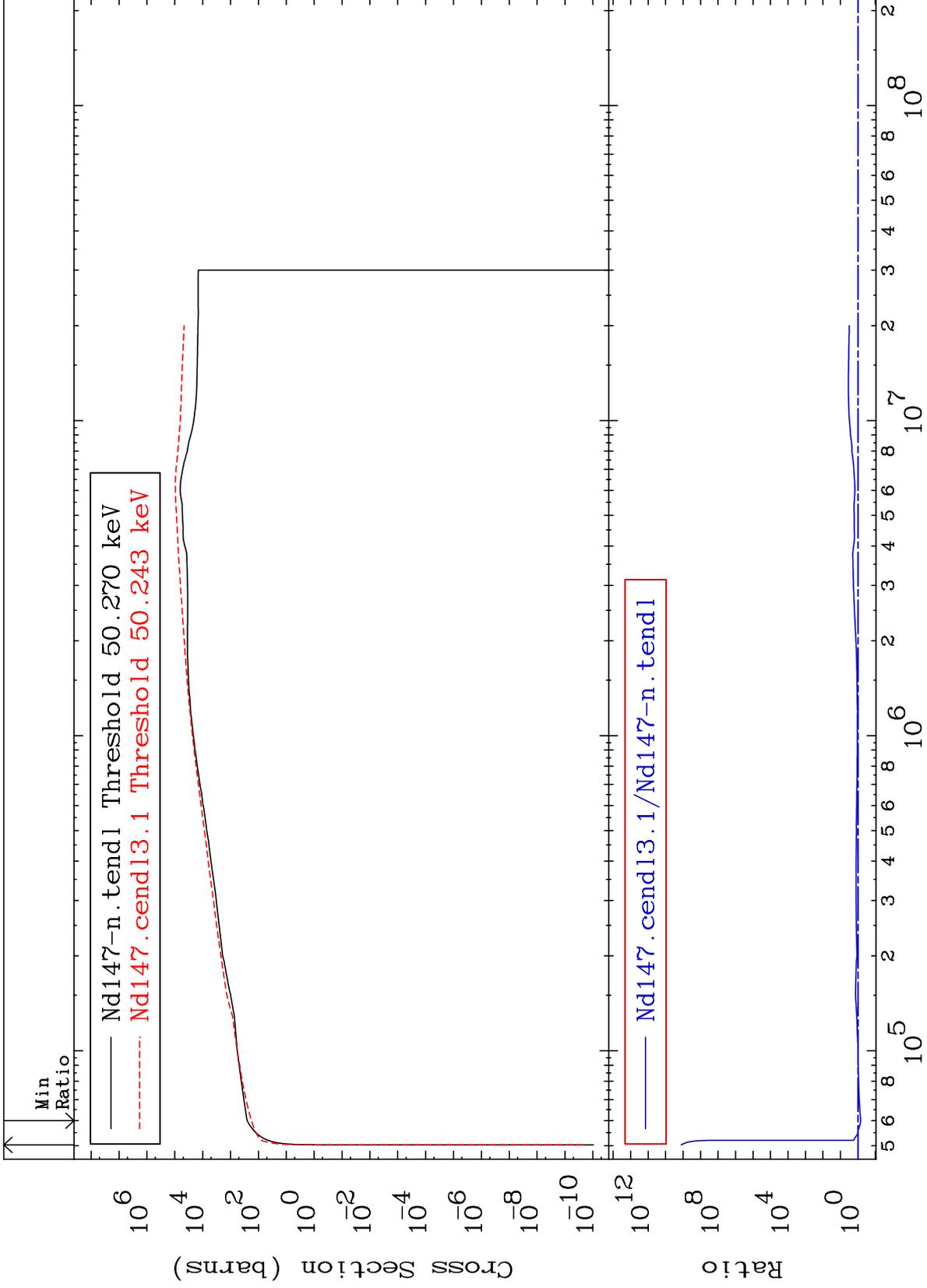
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa inelastic (mt51-91)
Cross Section

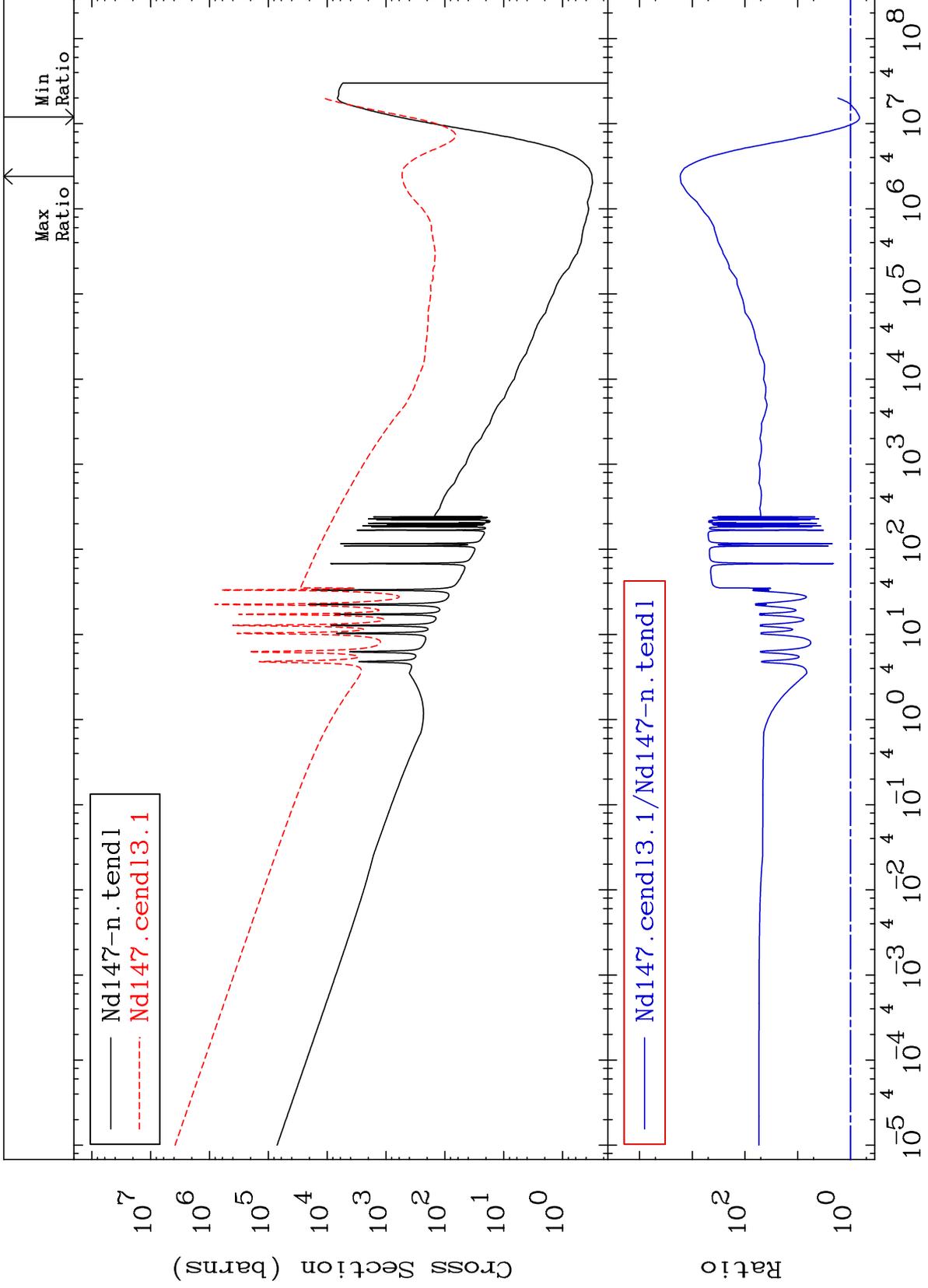
60-Nd-147
-30.70 To 9999. %



MAT 6040

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-147
-32.72 To 9999. %



39

Incident Energy (eV)

60-Nd-147