

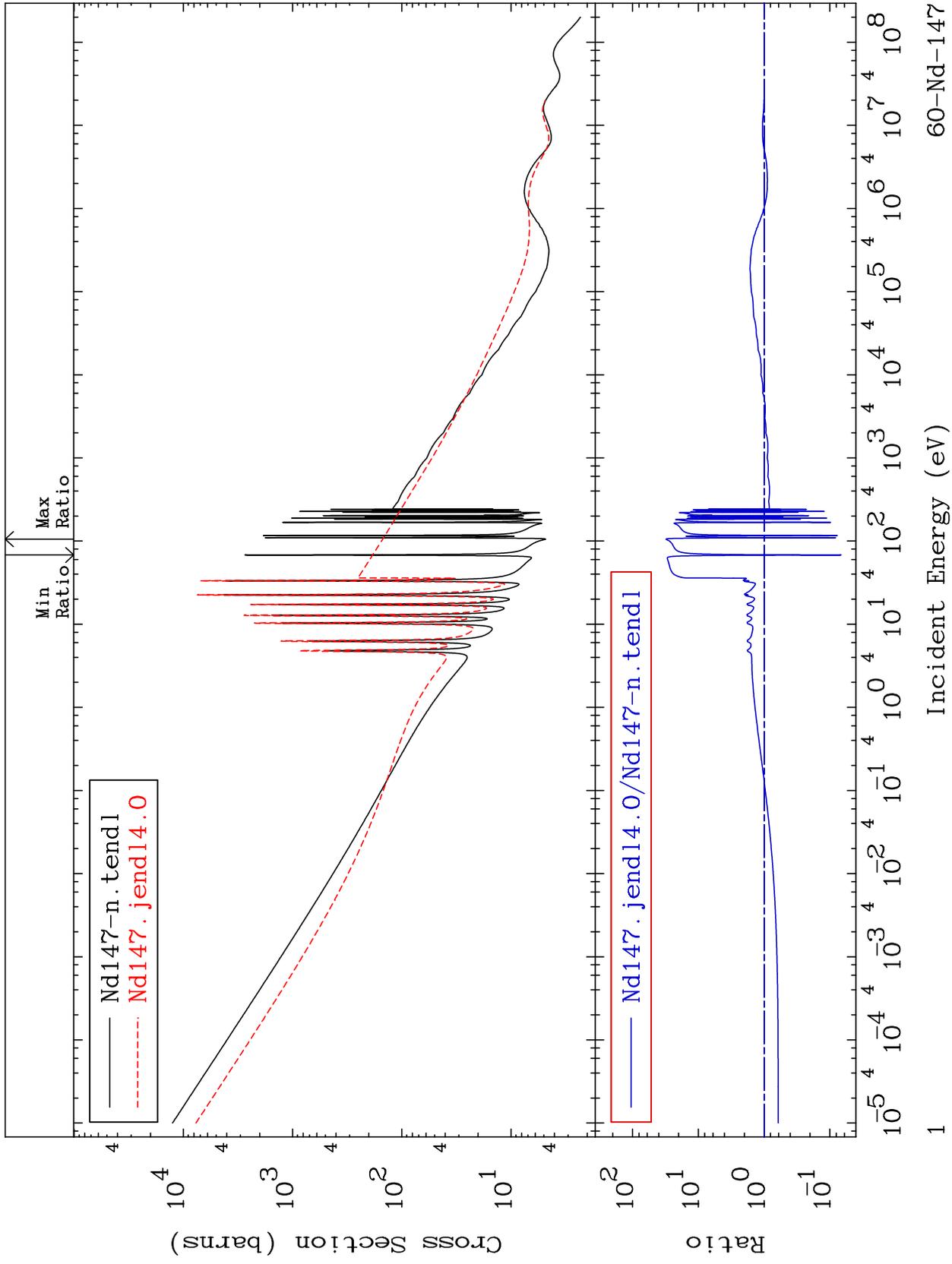
MAT 6040

Total

60-Nd-147

Cross Section

-93.22 To 3004. %



Incident Energy (eV)

60-Nd-147

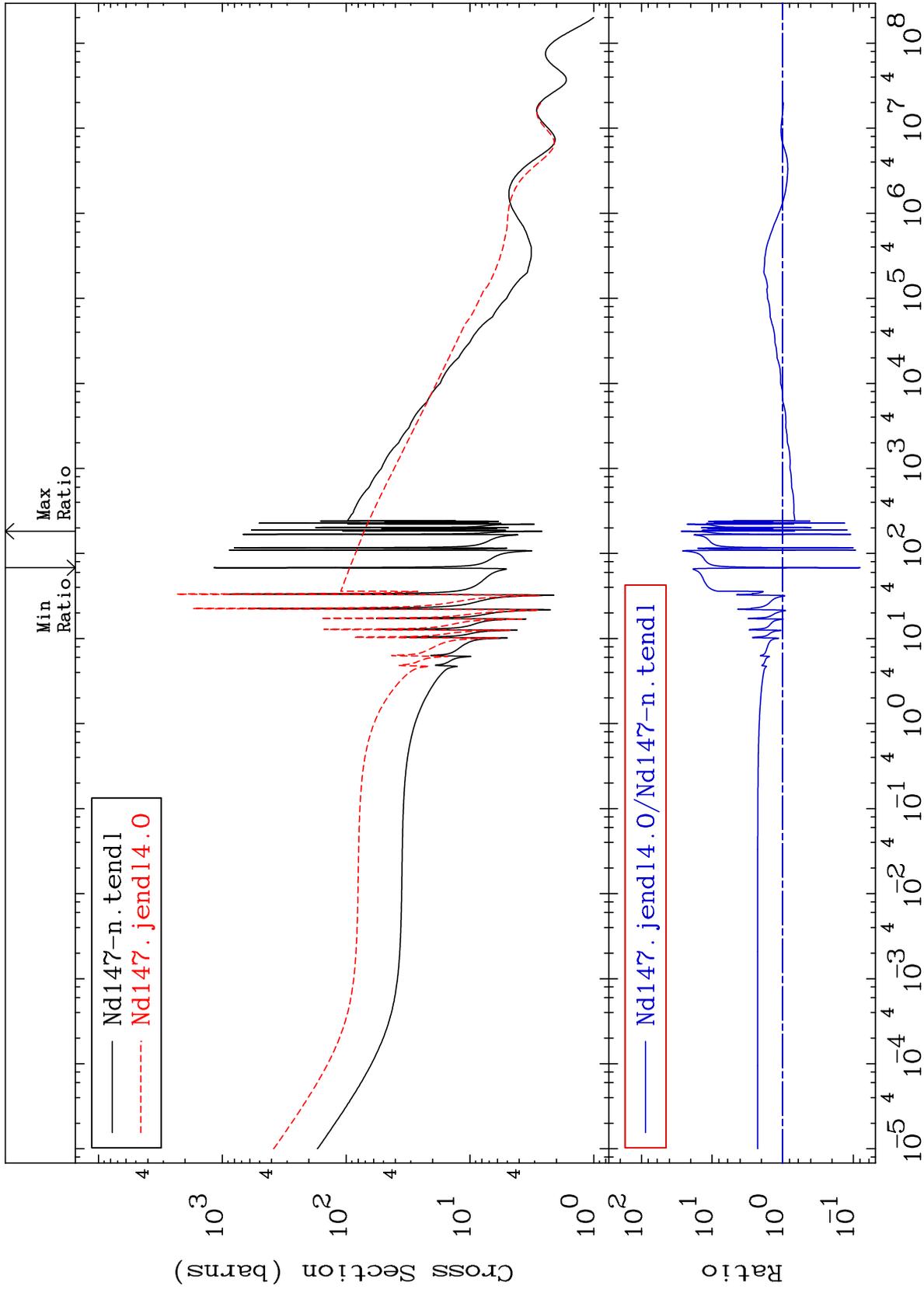
MAT 6040

Elastic

60-Nd-147

Cross Section

-92.04 To 2636. %

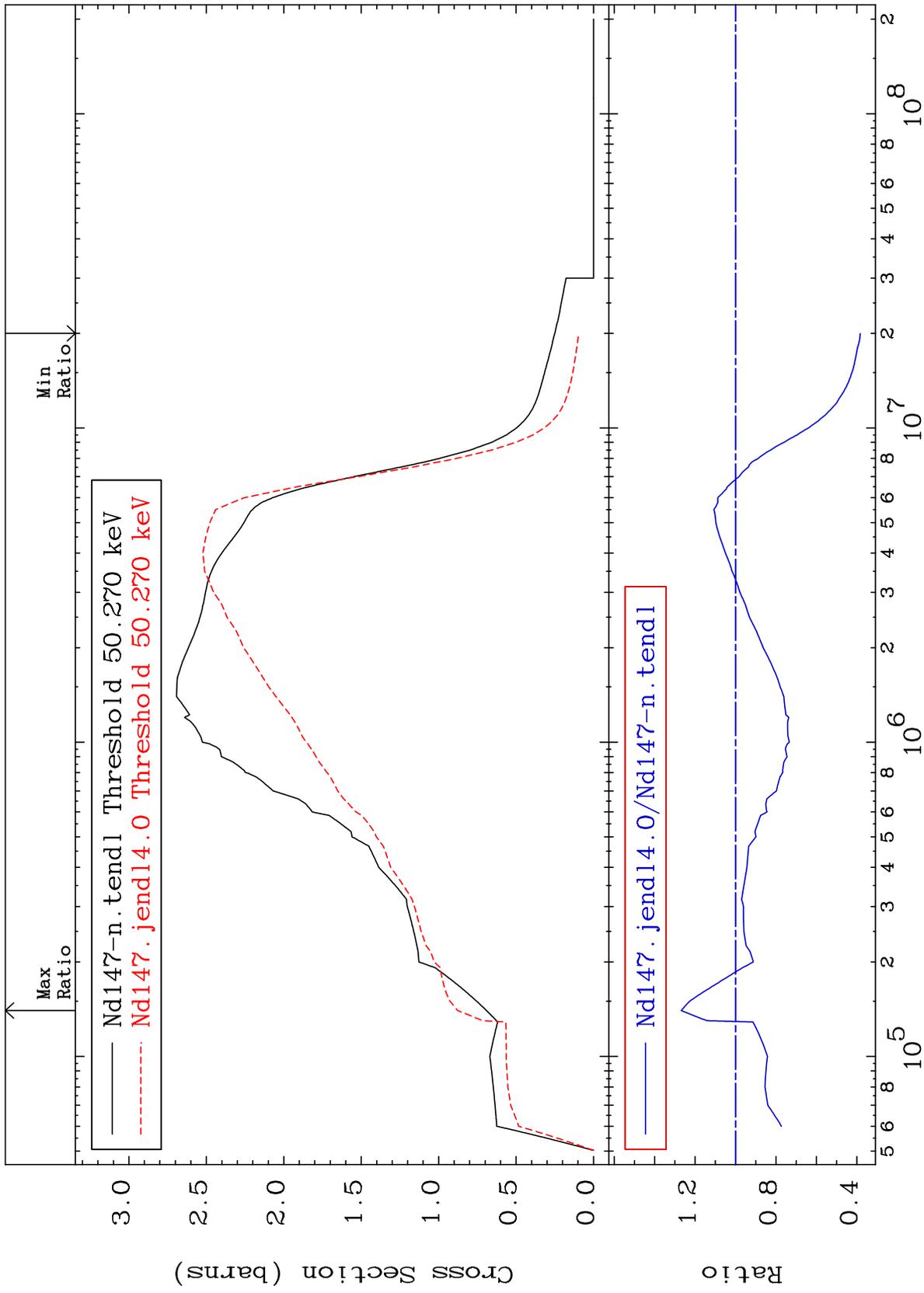


2

Incident Energy (eV)

60-Nd-147

MAT 6040 Inelastic Cross Section 60-Nd-147 -61.62 To 26.92 %



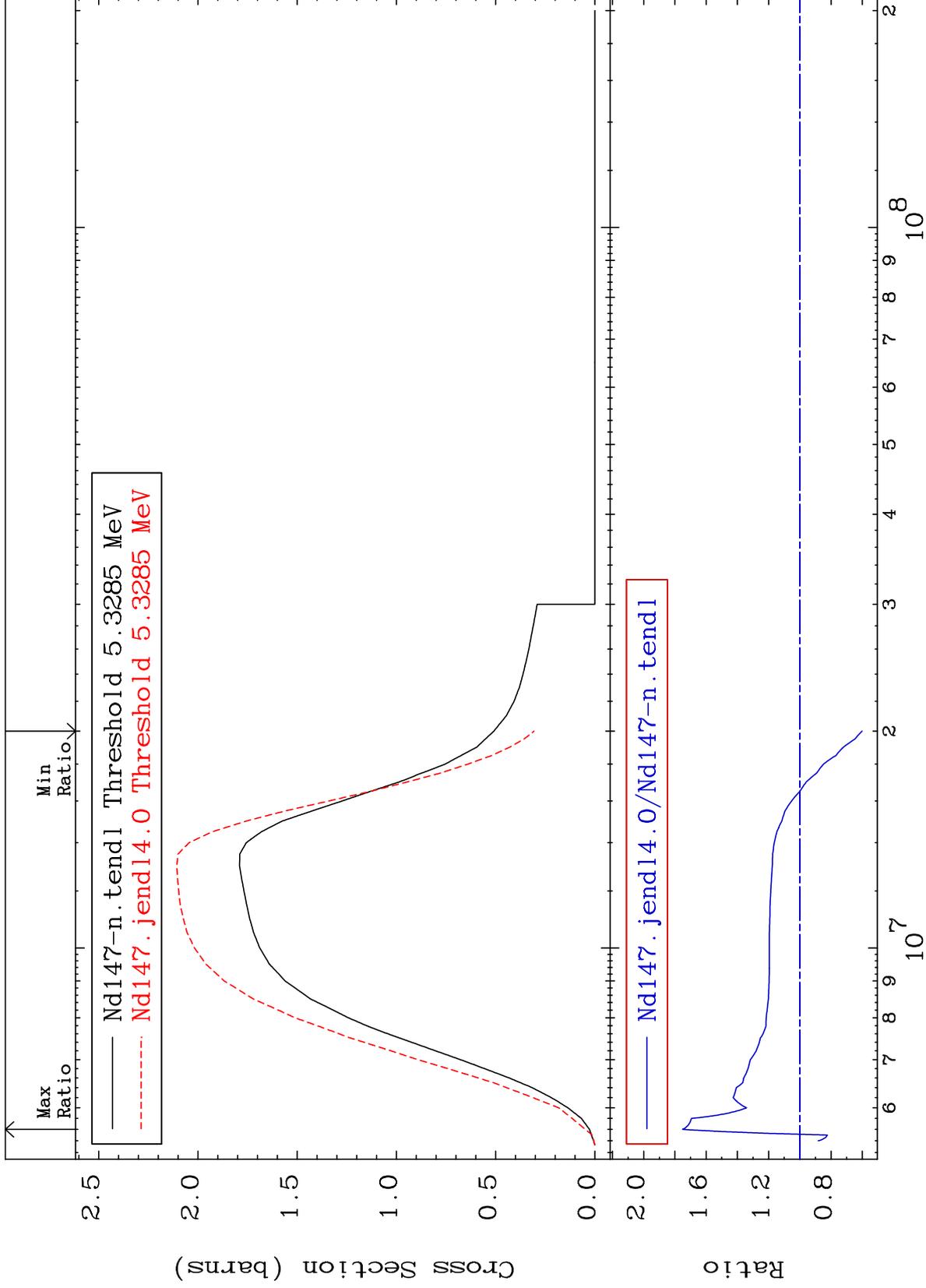
MAT 6040

(n,2n)

60-Nd-147

Cross Section

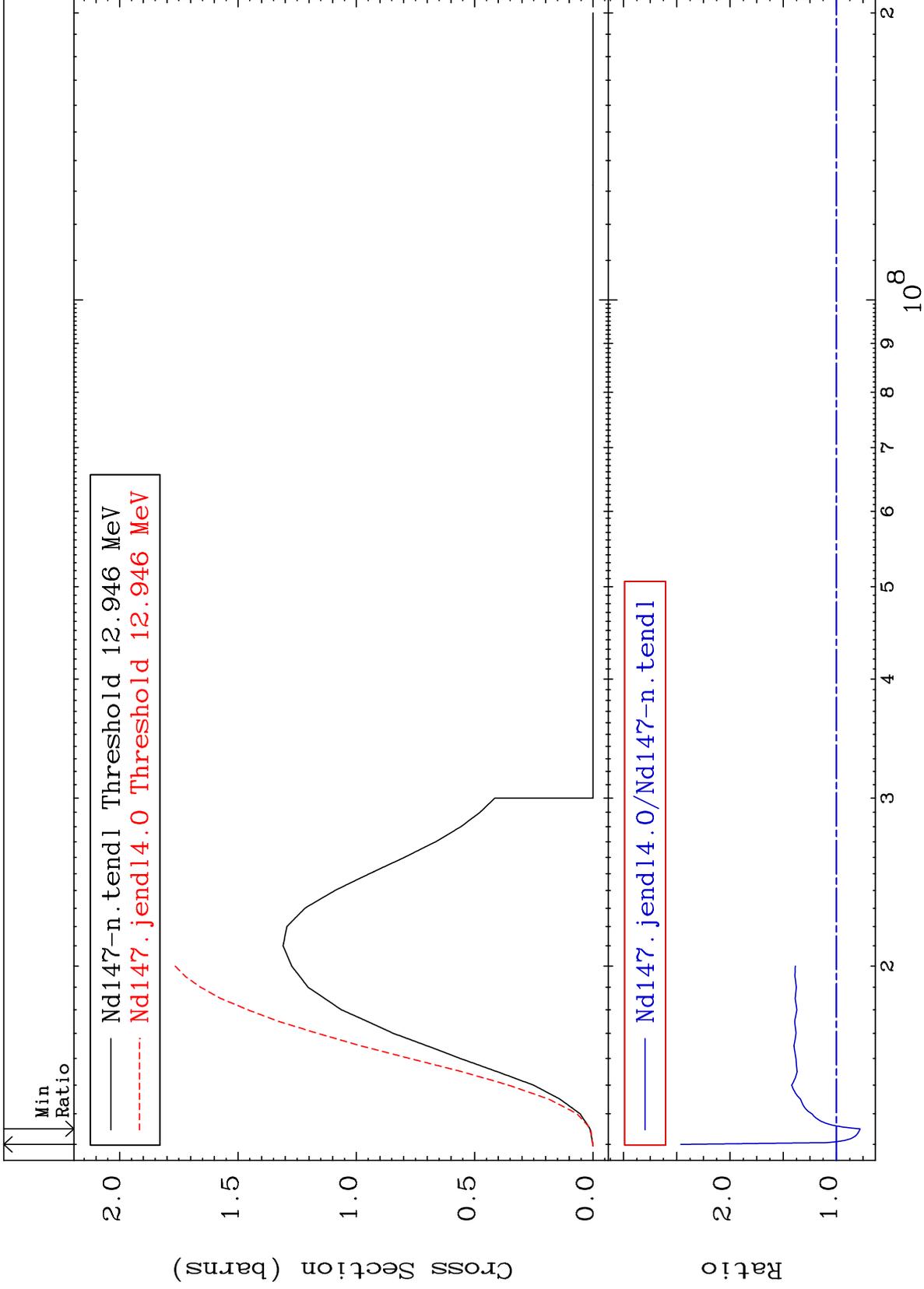
-39.87 To 75.06 %



MAT 6040

(n,3n)
Cross Section

60-Nd-147
-22.18 To 146.3 %



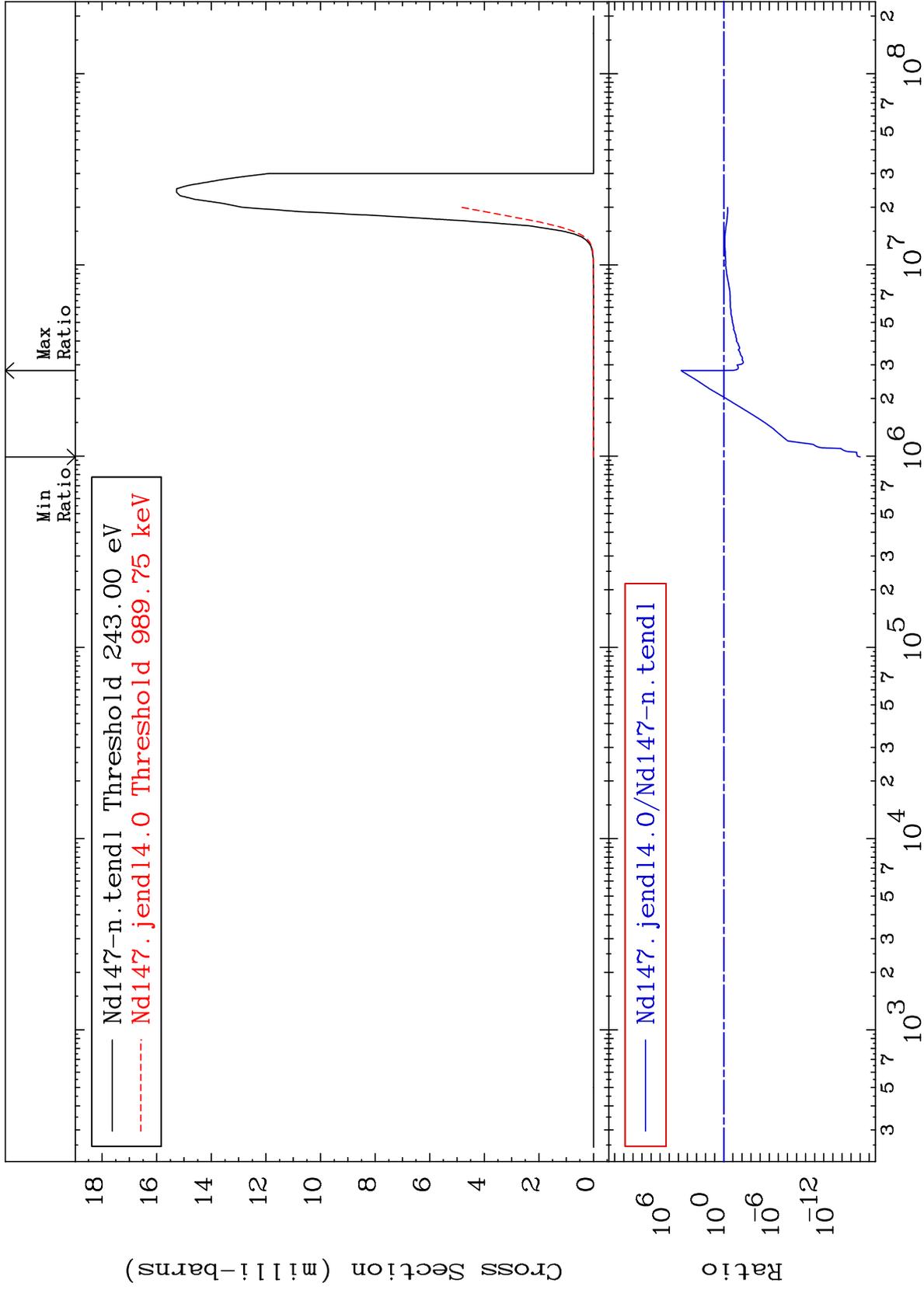
5

Incident Energy (eV)

60-Nd-147

MAT 6040

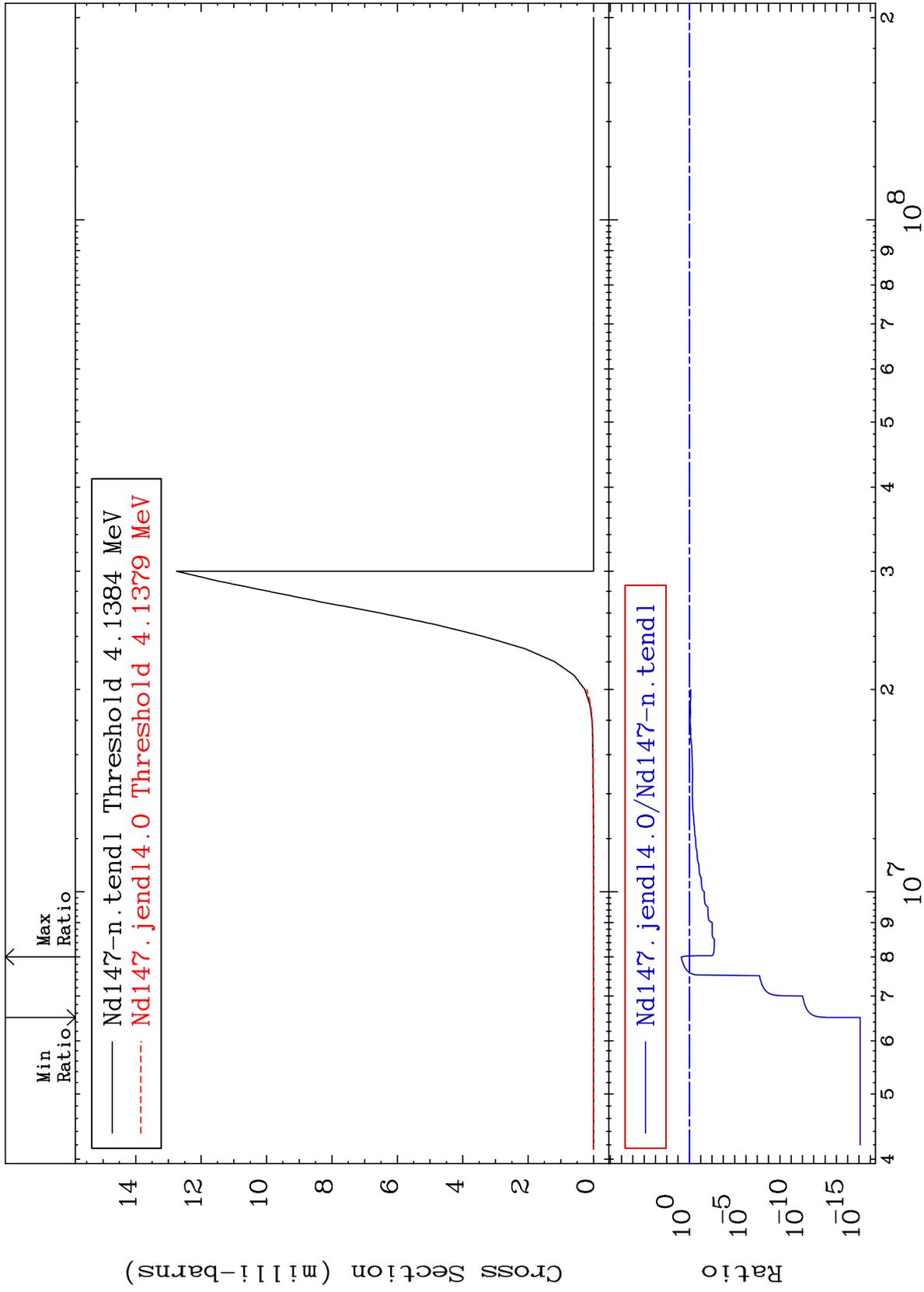
$(n, n') \alpha$
Cross Section
60-Nd-147
-100.0 To 9999. %



MAT 6040

(n,2n) α
Cross Section

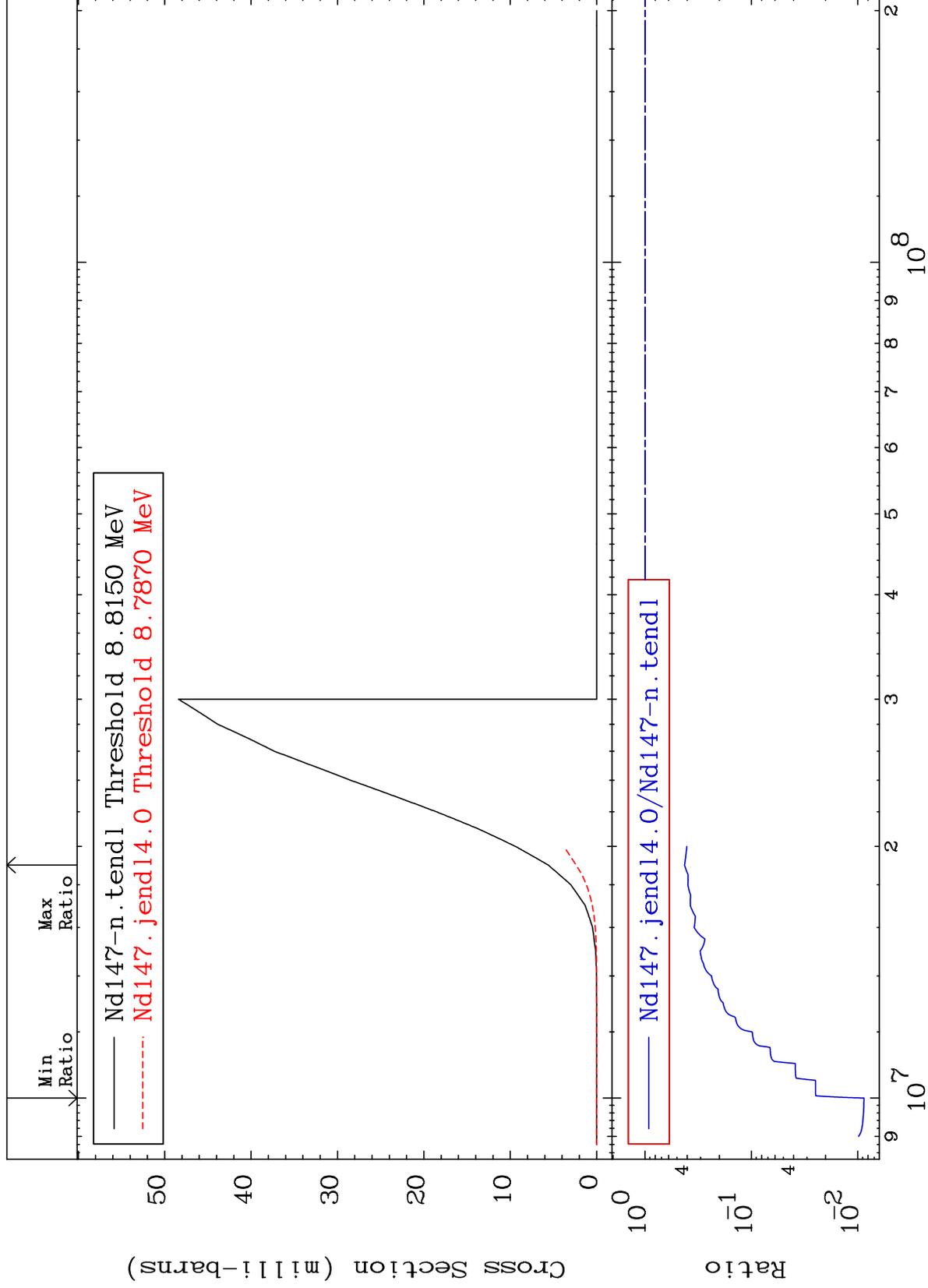
60-Nd-147
-100.0 To 434.0 %



MAT 6040

(n, n') p
Cross Section

60-Nd-147
-99.13 To -57.55%



60-Nd-147

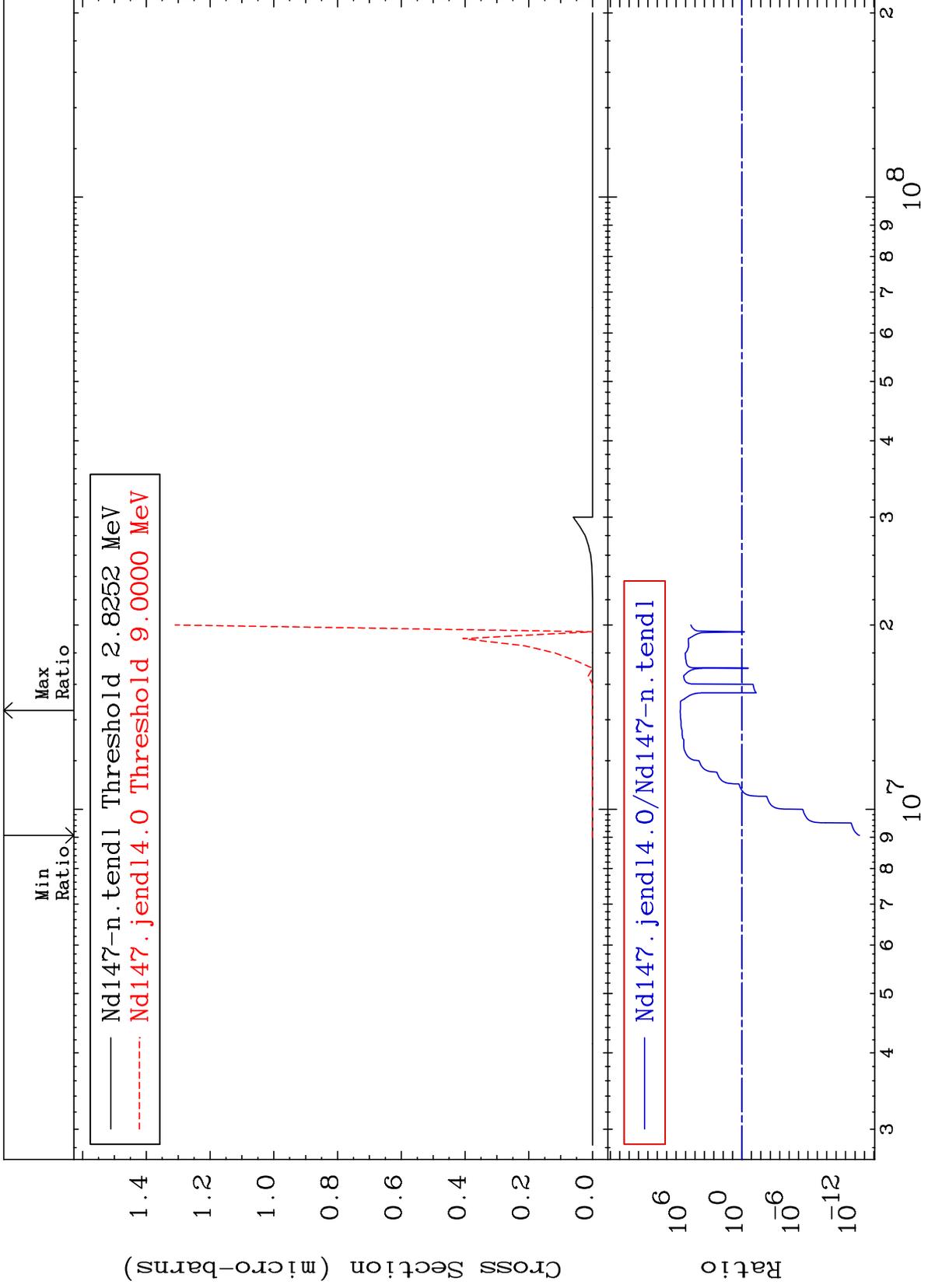
Incident Energy (eV)

8

MAT 6040

(n,2n) 2α
Cross Section

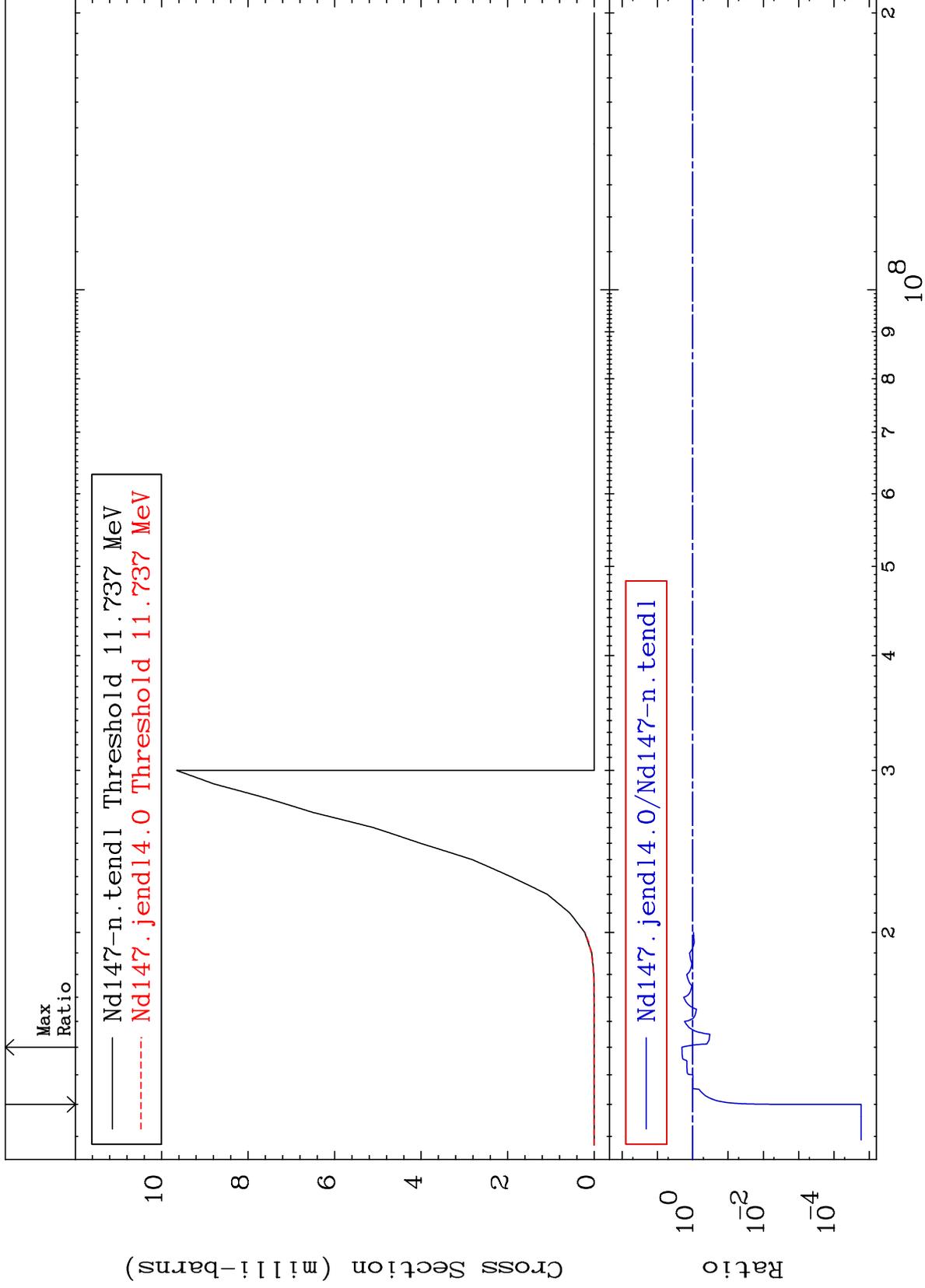
60-Nd-147
-100.0 To 9999. %



MAT 6040

(n,n') d
Cross Section

60-Nd-147
-100.0 To 103.3 %



10

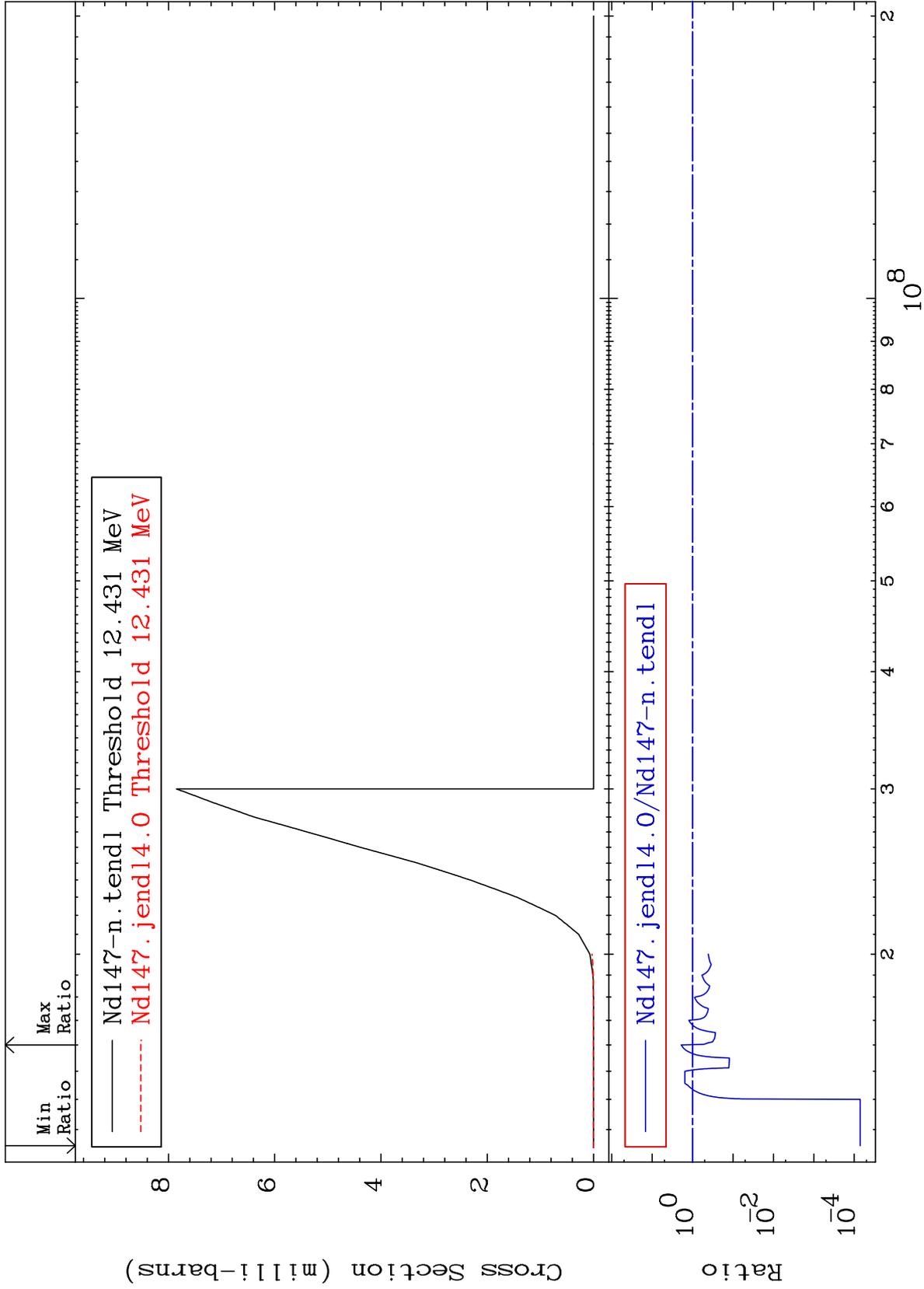
Incident Energy (eV)

60-Nd-147

MAT 6040

(n,n') t
Cross Section

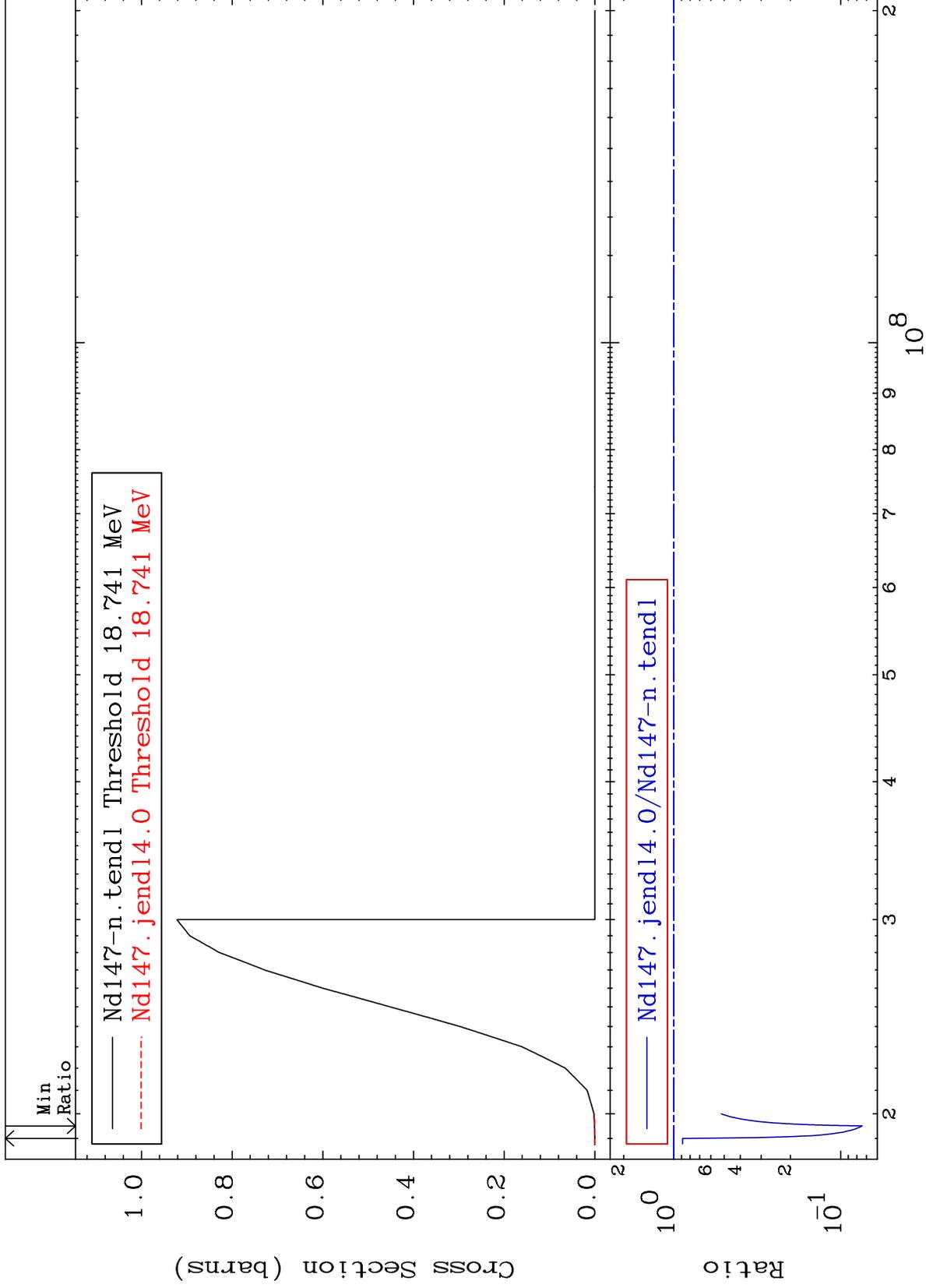
60-Nd-147
-99.99 To 91.83 %



MAT 6040

(n,4n)
Cross Section

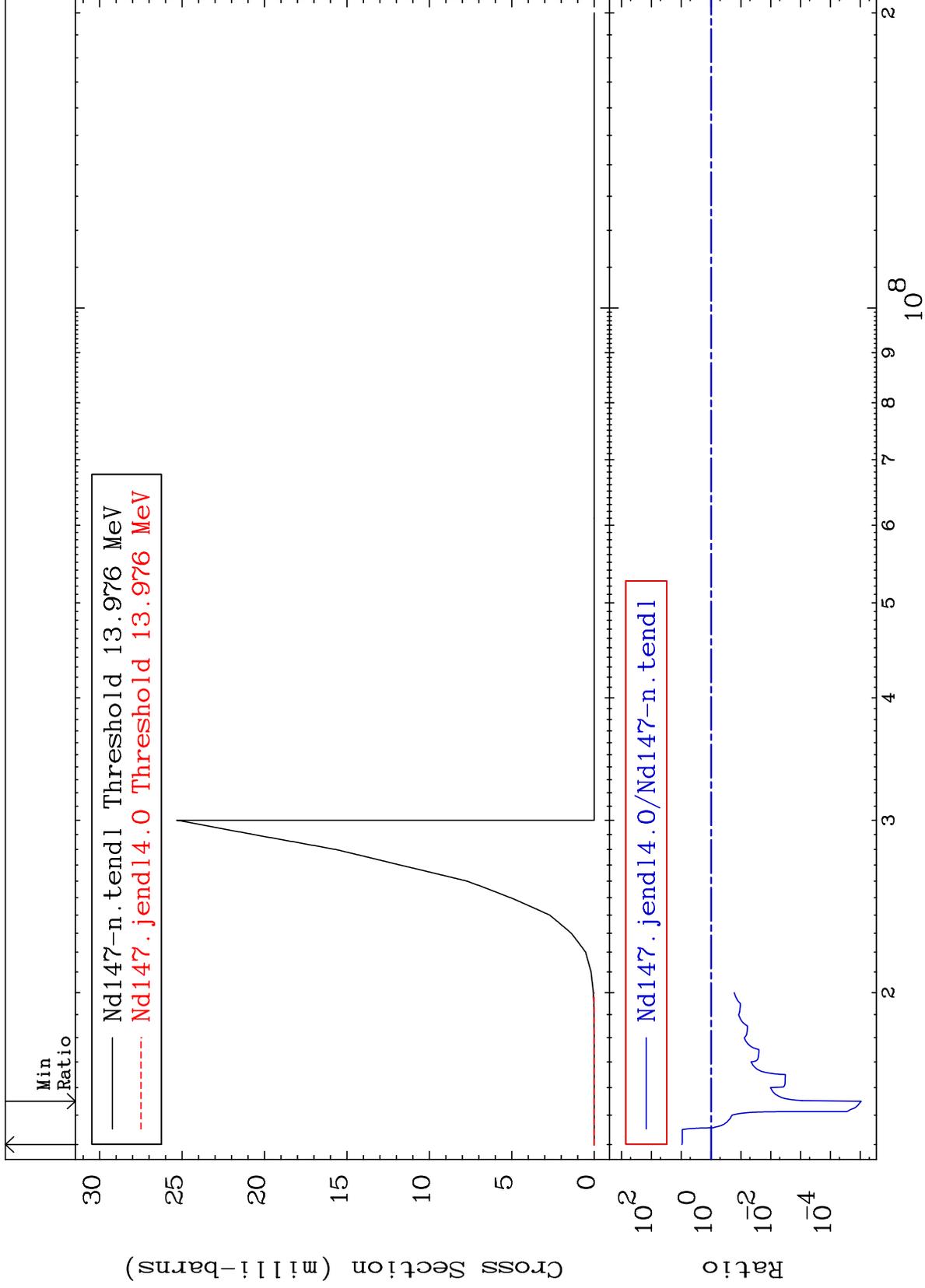
60-Nd-147
-92.55 To -11.39%



MAT 6040

(n,2n) p
Cross Section

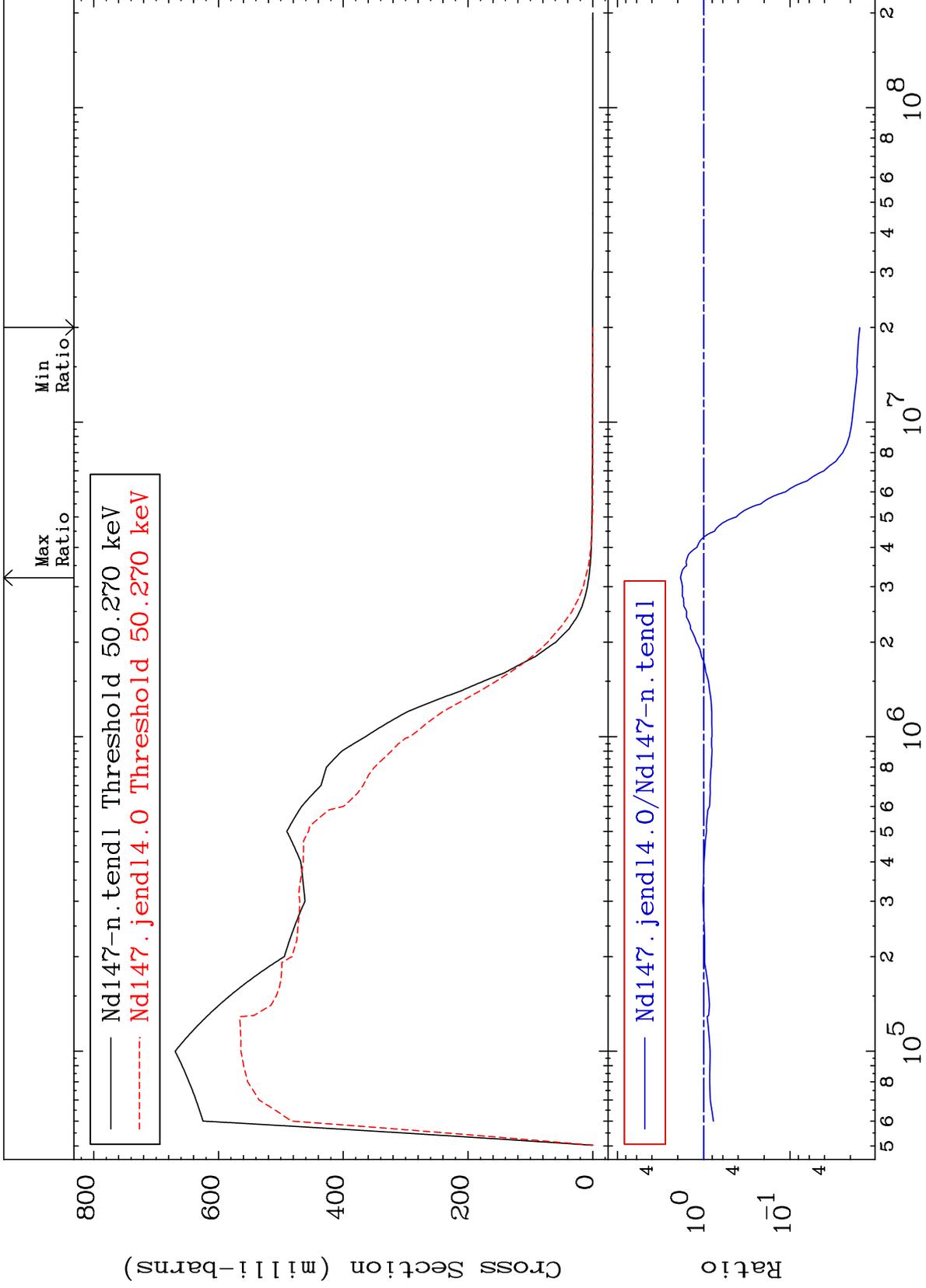
60-Nd-147
-100.0 To 847.3 %



MAT 6040

49.93 keV (n,n') Level
Cross Section

60-Nd-147
-98.44 To 85.97 %



14

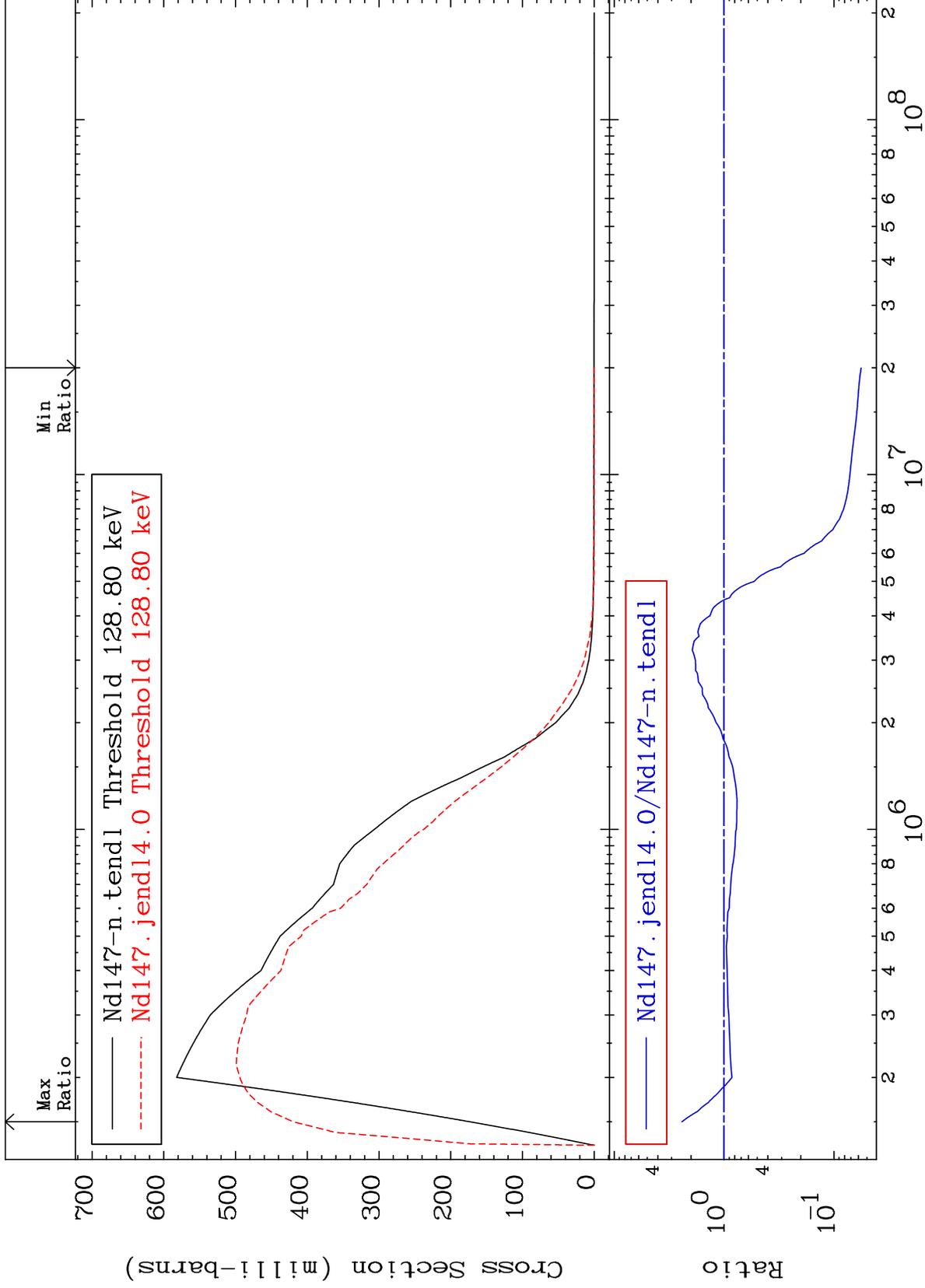
Incident Energy (eV)

60-Nd-147

MAT 6040

127.9 keV (n,n') Level
Cross Section

60-Nd-147
-94.34 To 142.1 %



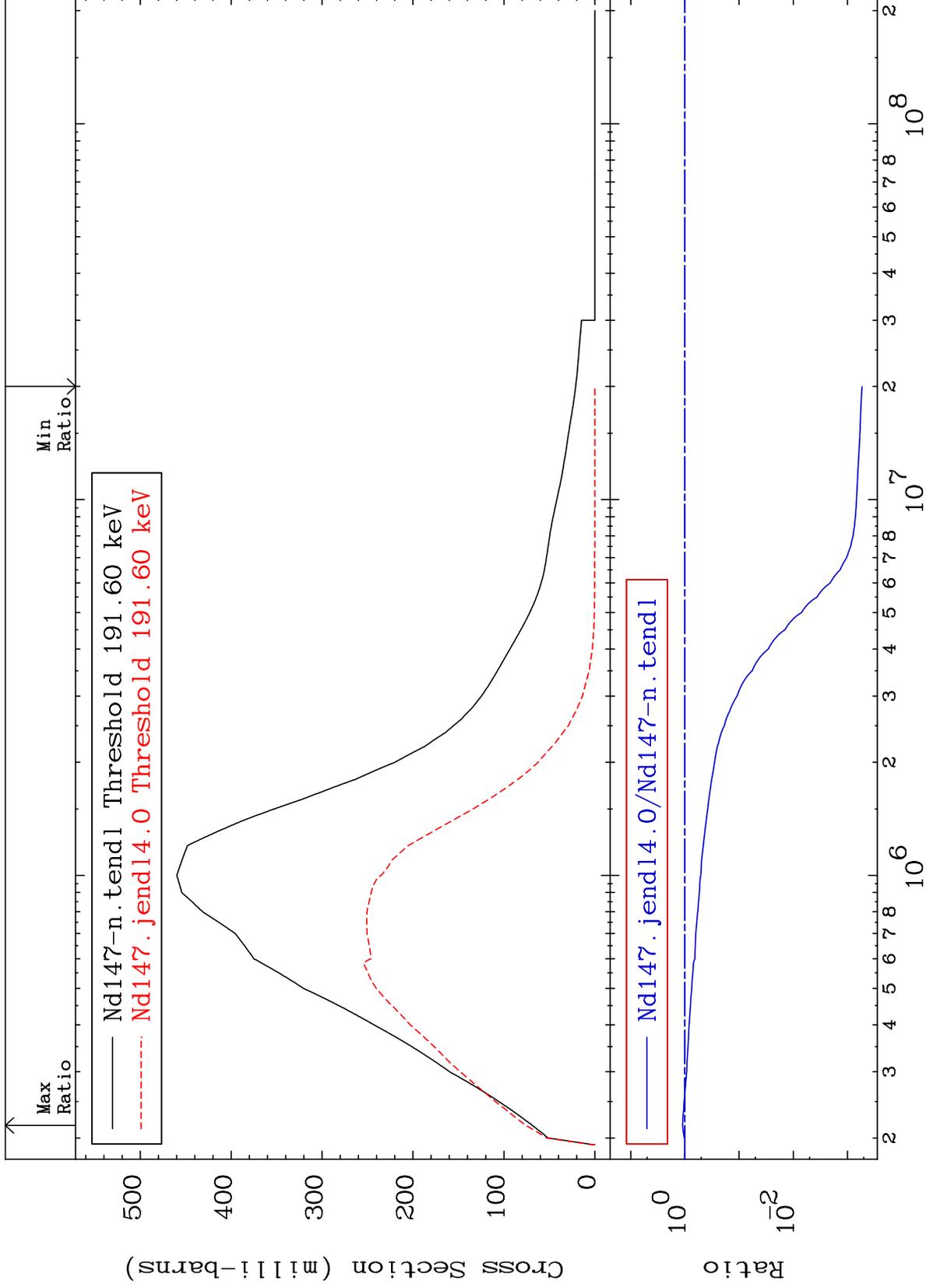
15

60-Nd-147

MAT 6040

190.3 keV (n,n') Level
Cross Section

60-Nd-147
-99.95 To 10.34 %



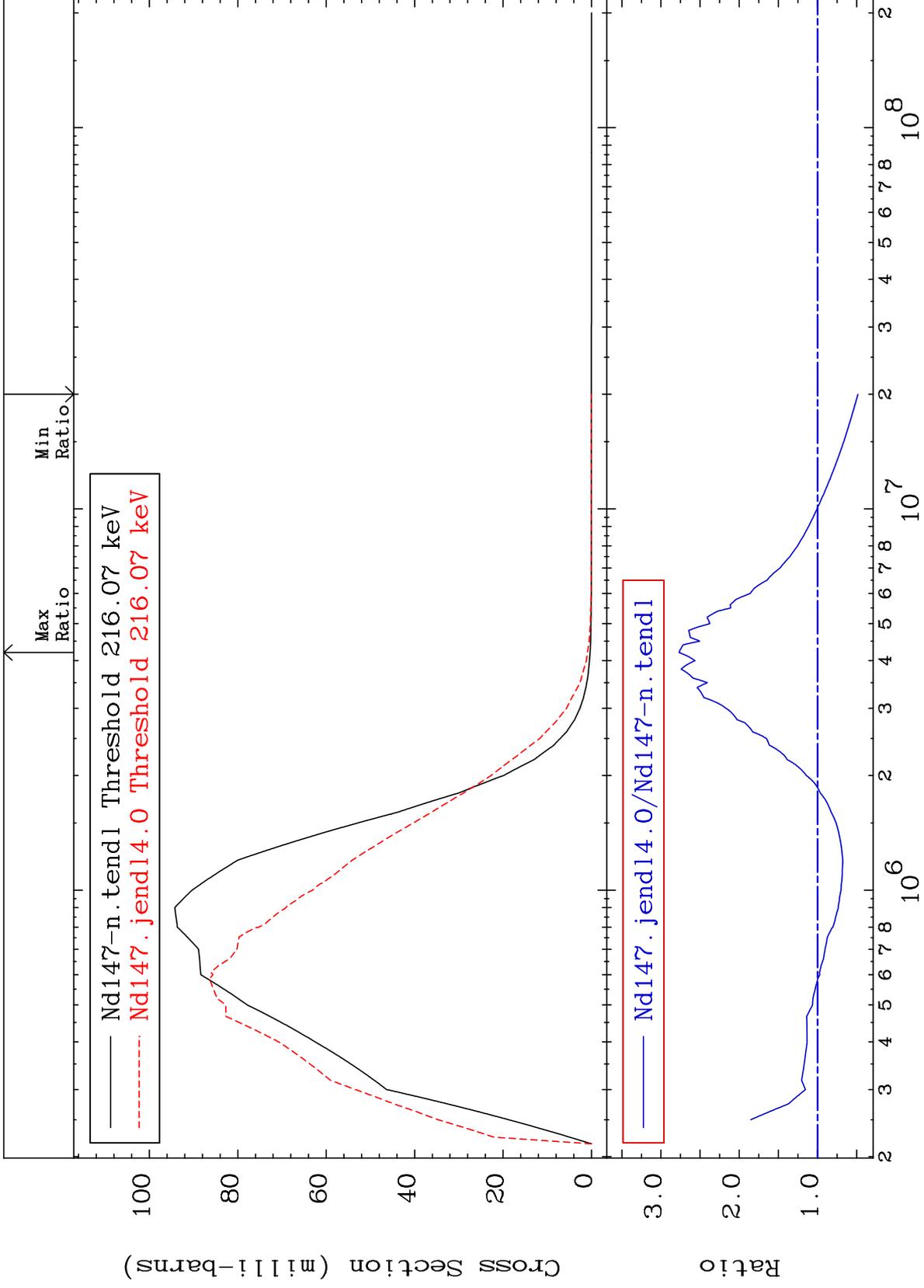
16

60-Nd-147

MAT 6040

214.6 keV (n,n') Level
Cross Section

60-Nd-147
-51.73 To 176.9 %



17

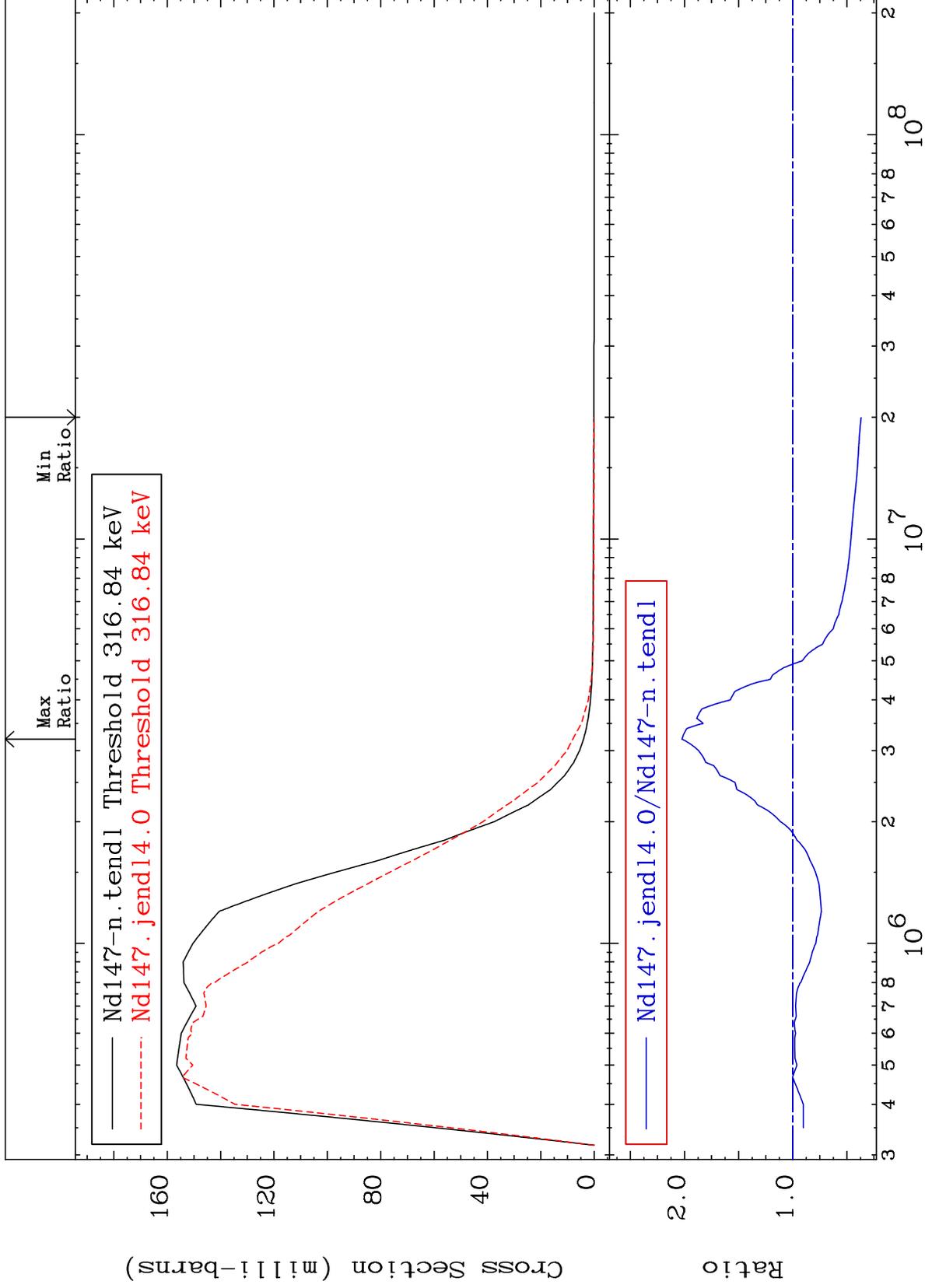
Incident Energy (eV)

60-Nd-147

MAT 6040

314.7 keV (n,n') Level
Cross Section

60-Nd-147
-63.16 To 102.4 %



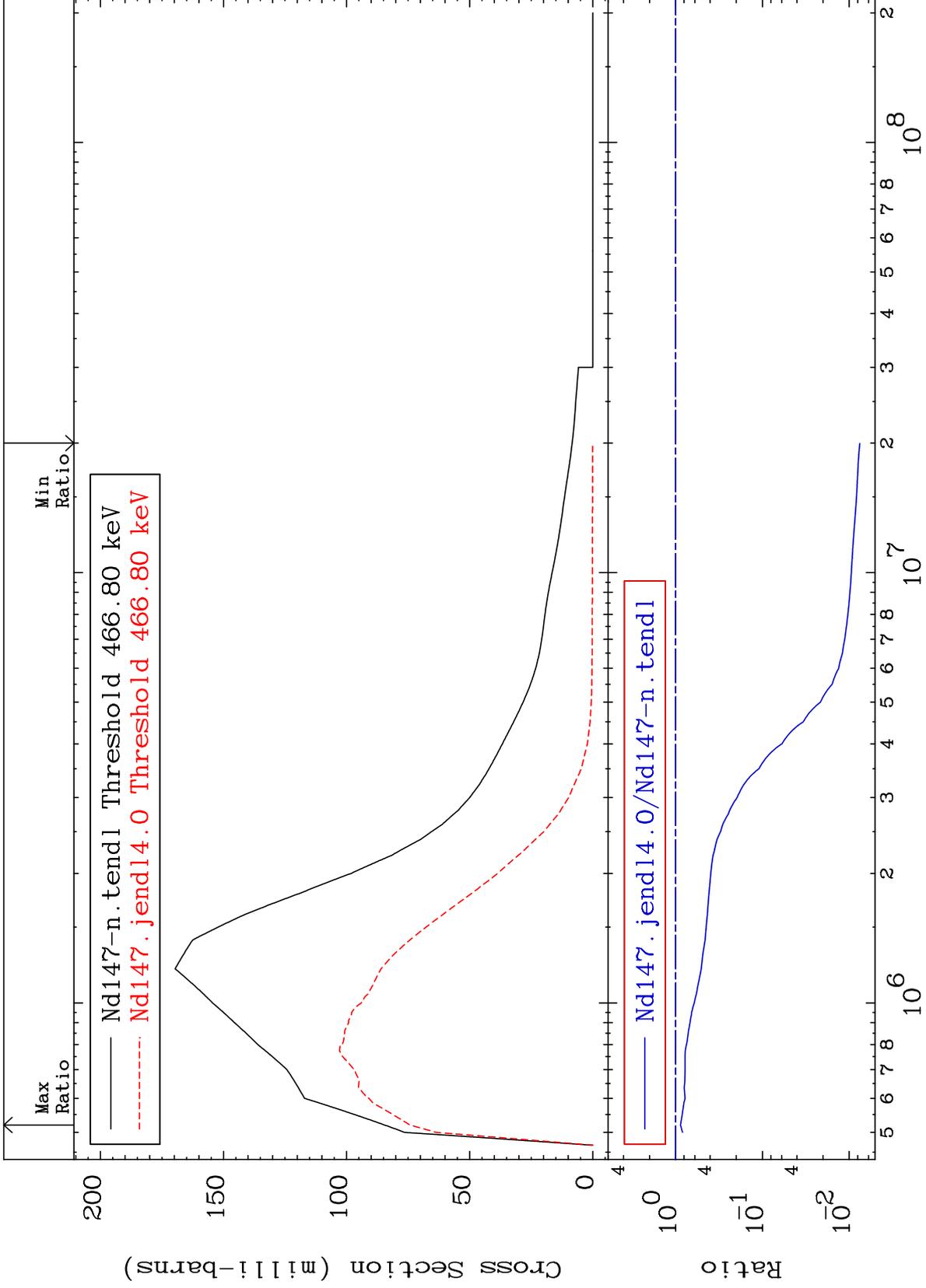
18

60-Nd-147

MAT 6040

463.6 keV (n,n') Level
Cross Section

60-Nd-147
-99.24 To -12.15%



19

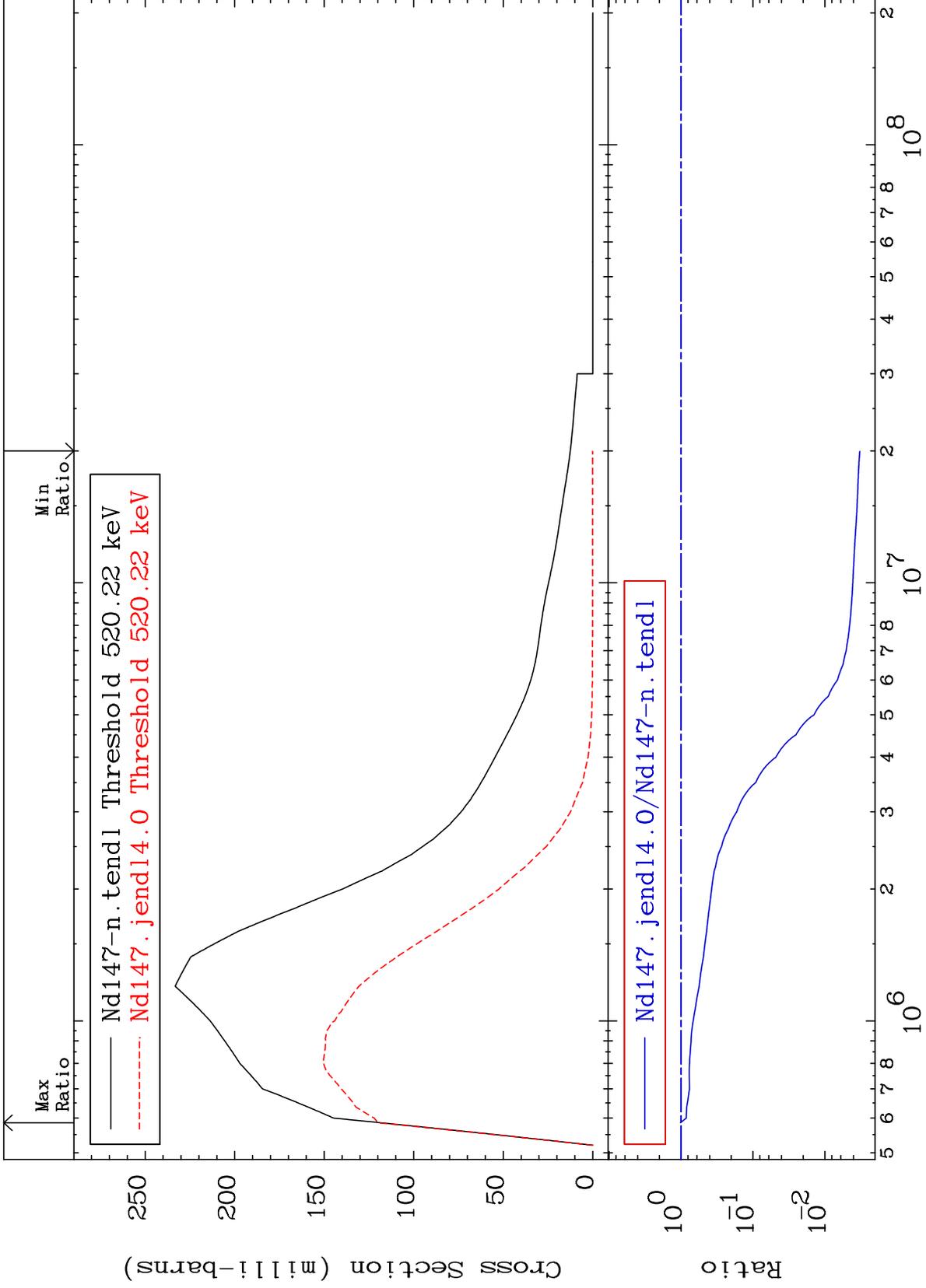
Incident Energy (eV)

60-Nd-147

MAT 6040

516.7 keV (n,n') Level
Cross Section

60-Nd-147
-99.67 To 1.559 %

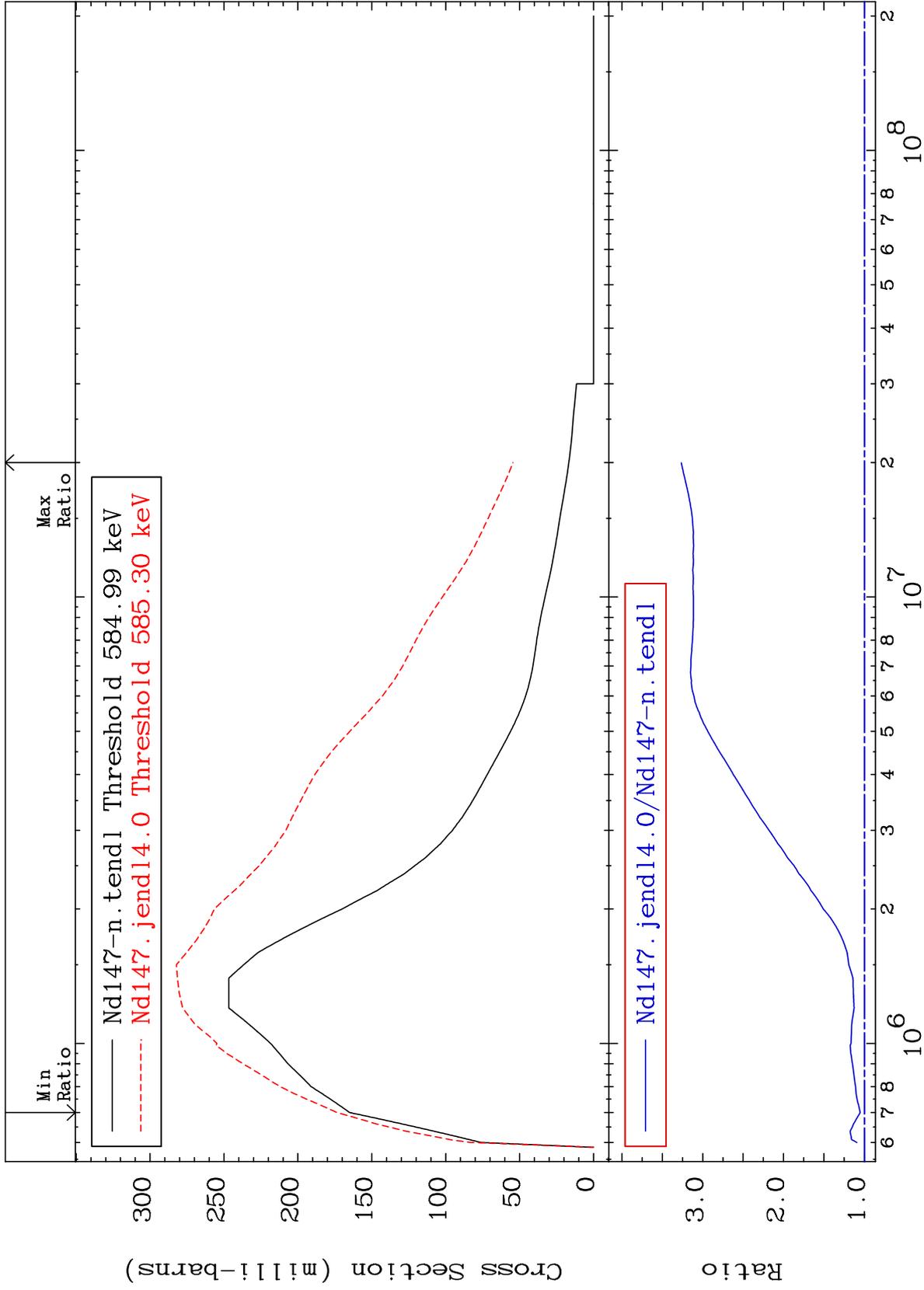


20

Incident Energy (eV)

60-Nd-147

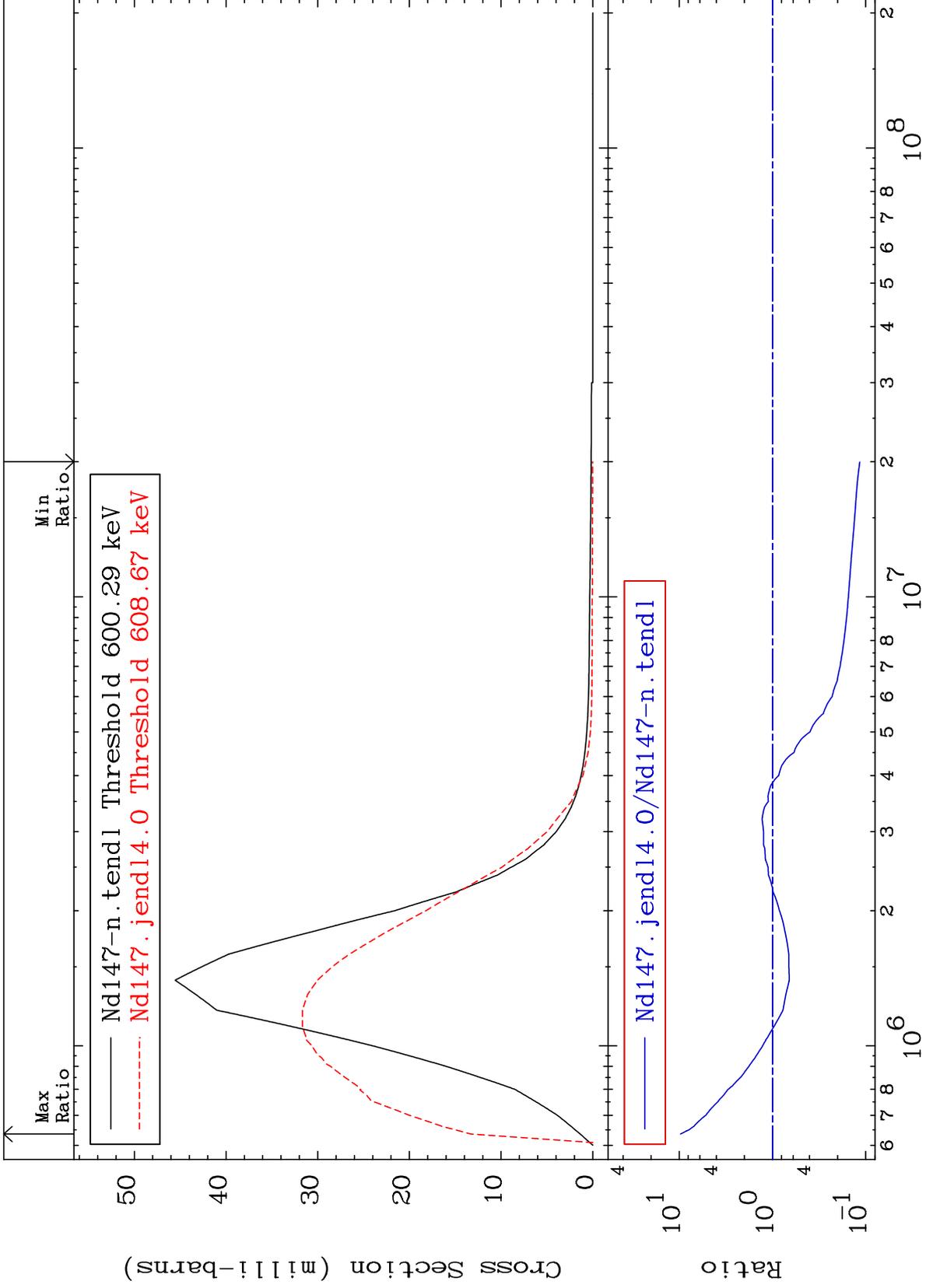
MAT 6040 581.0 keV (n,n') Level Cross Section 60-Nd-147 To 226.7 %



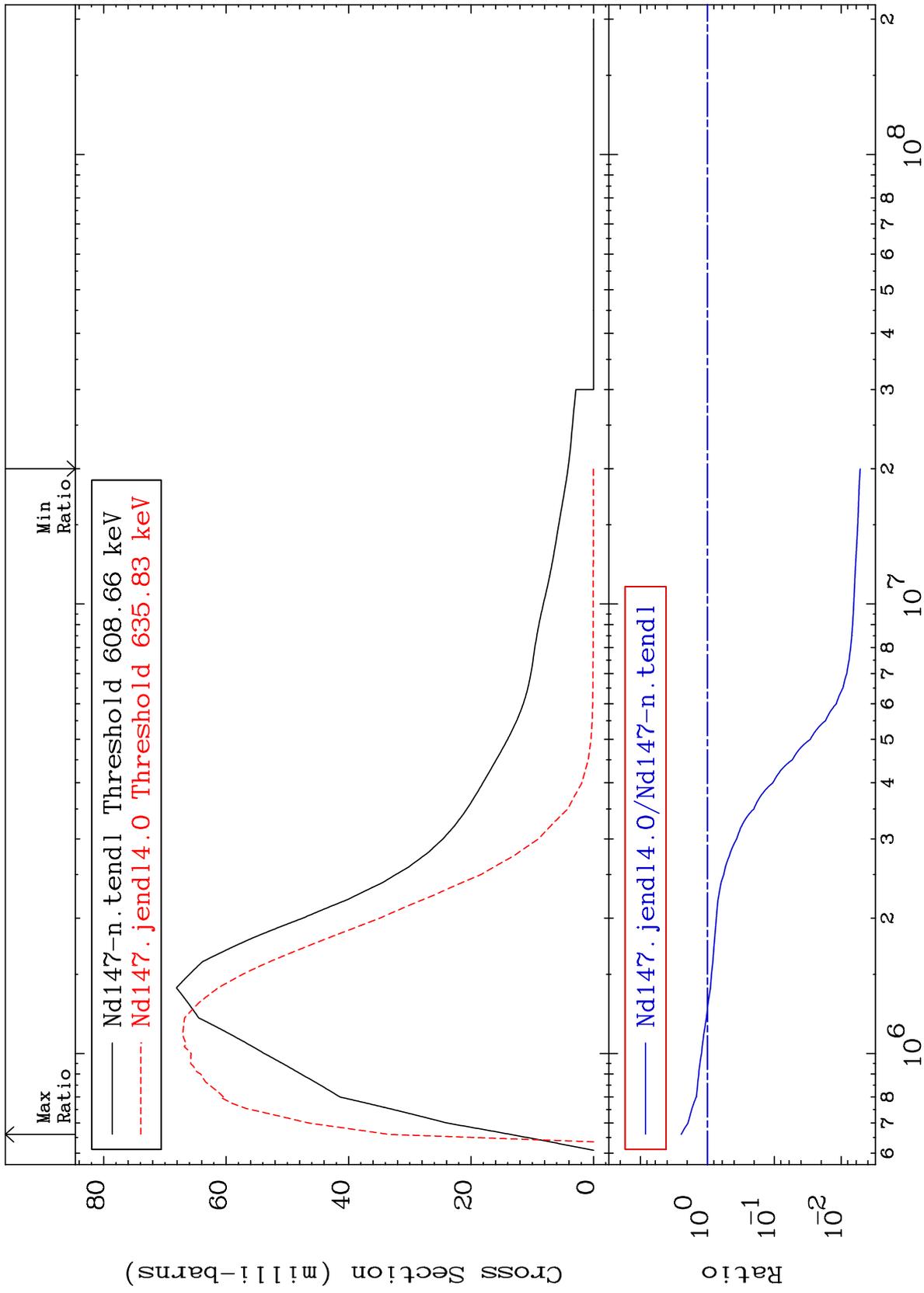
MAT 6040

596.2 keV (n,n') Level
Cross Section

60-Nd-147
-88.43 To 867.9 %



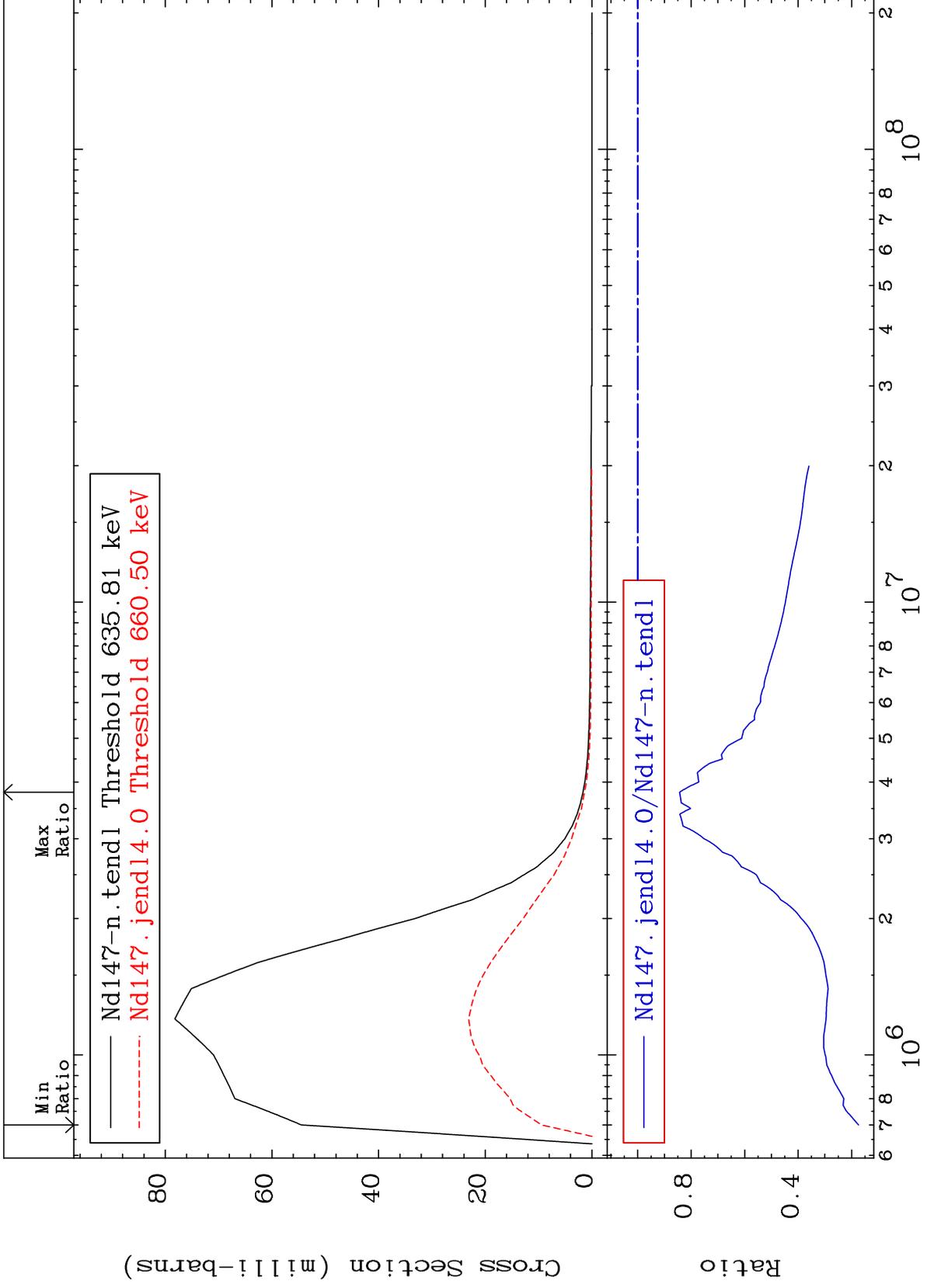
MAT 6040 604.5 keV (n,n') Level 60-Nd-147
 Cross Section -99.48 To 146.3 %



MAT 6040

631.5 keV (n,n') Level
Cross Section

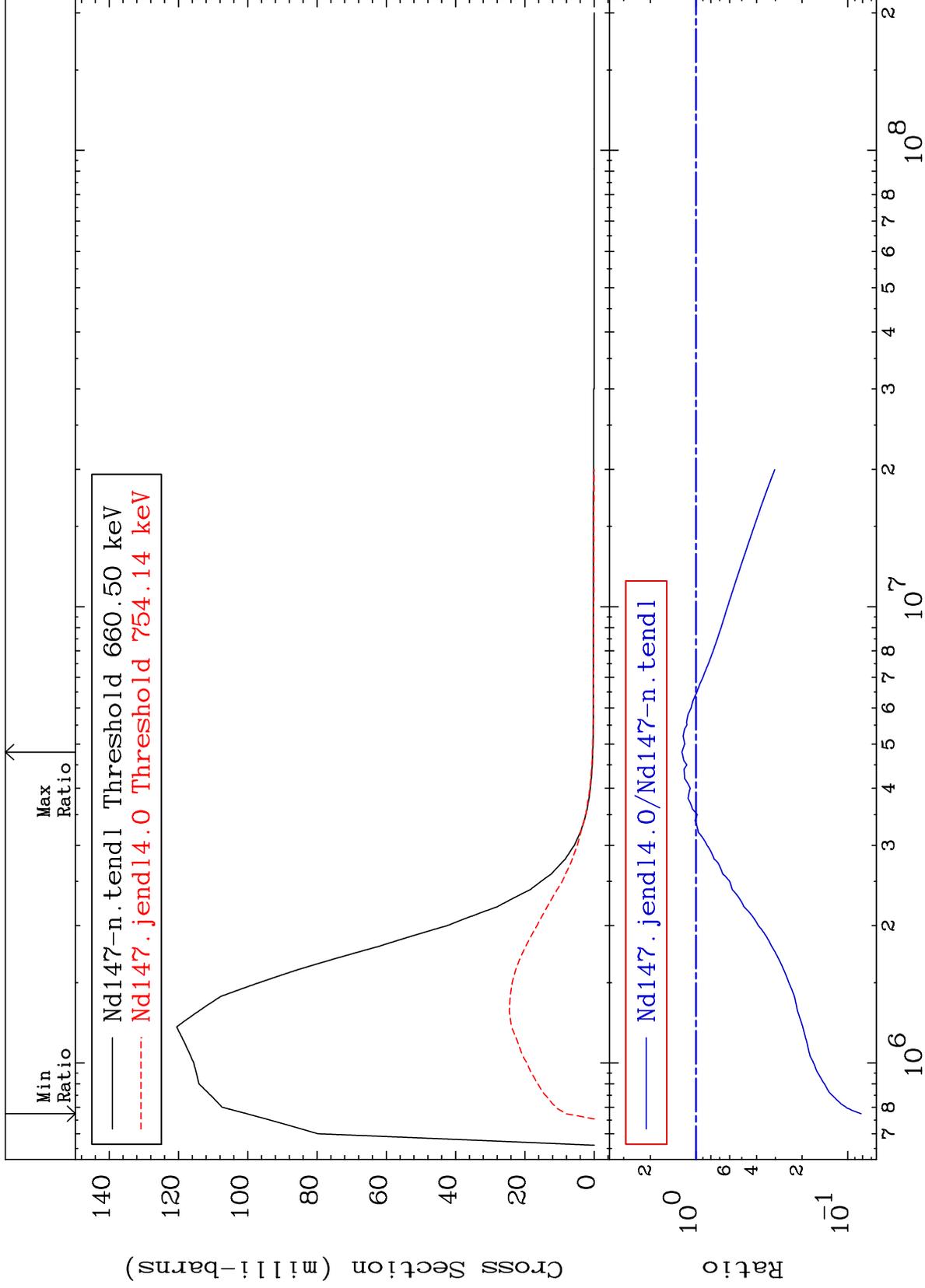
60-Nd-147
-82.60 To -15.66%



MAT 6040

656.0 keV (n,n') Level
Cross Section

60-Nd-147
-91.83 To 23.99 %



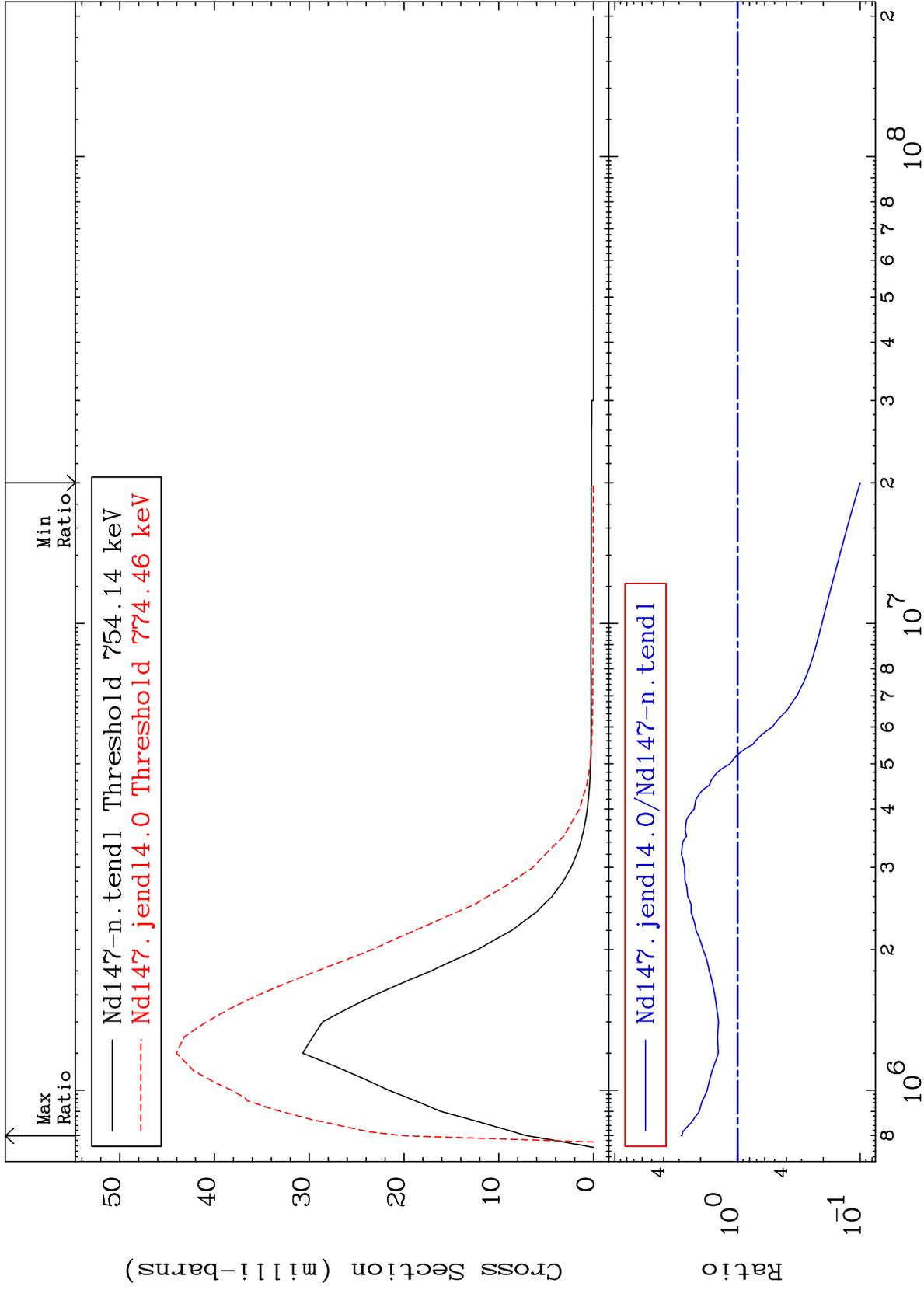
MAT 6040

749.0 keV (n,n') Level

60-Nd-147

-90.01 To 188.1 %

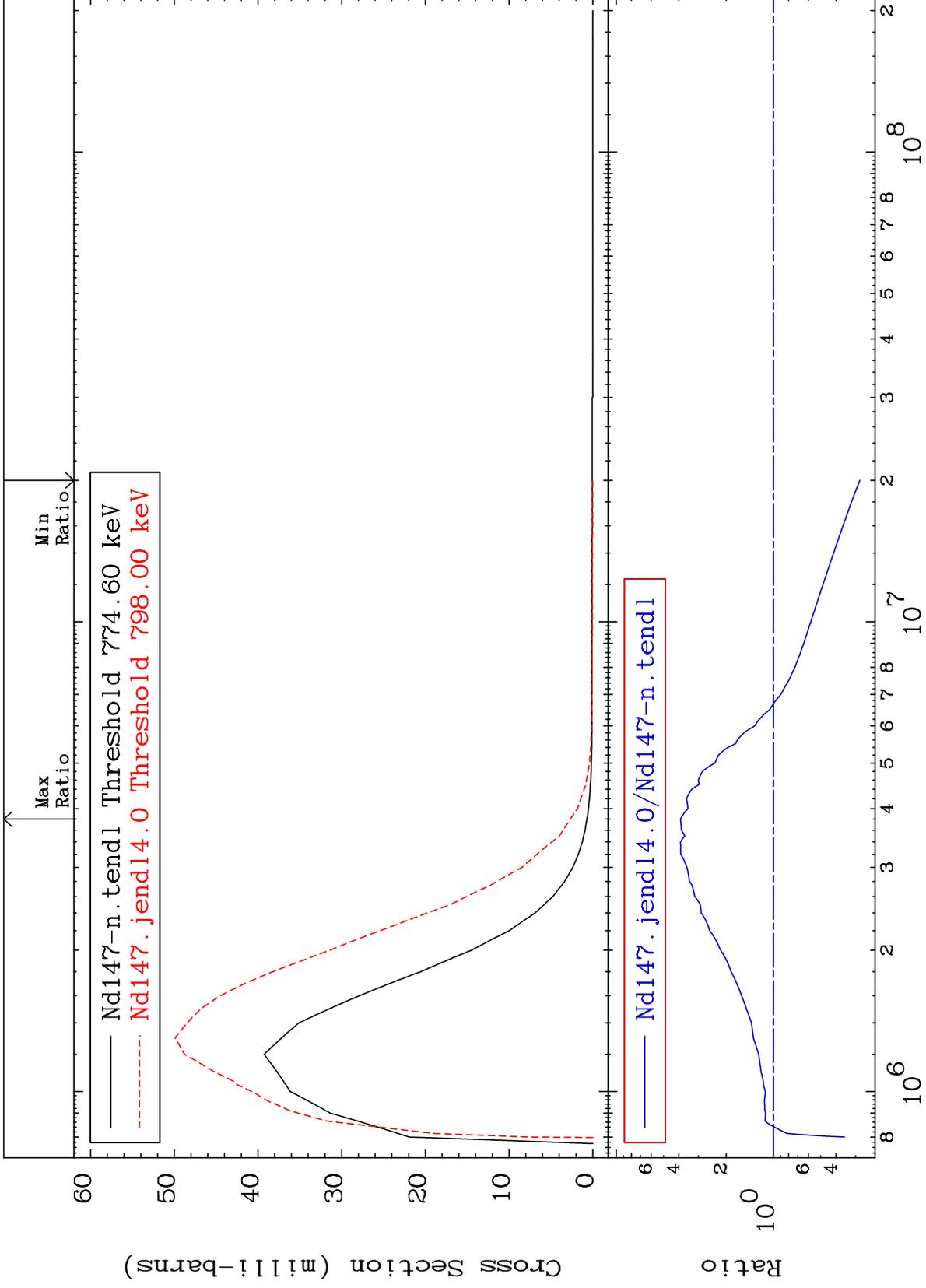
Cross Section



MAT 6040

769.3 keV (n,n') Level
Cross Section

60-Nd-147
-71.76 To 290.1 %



27

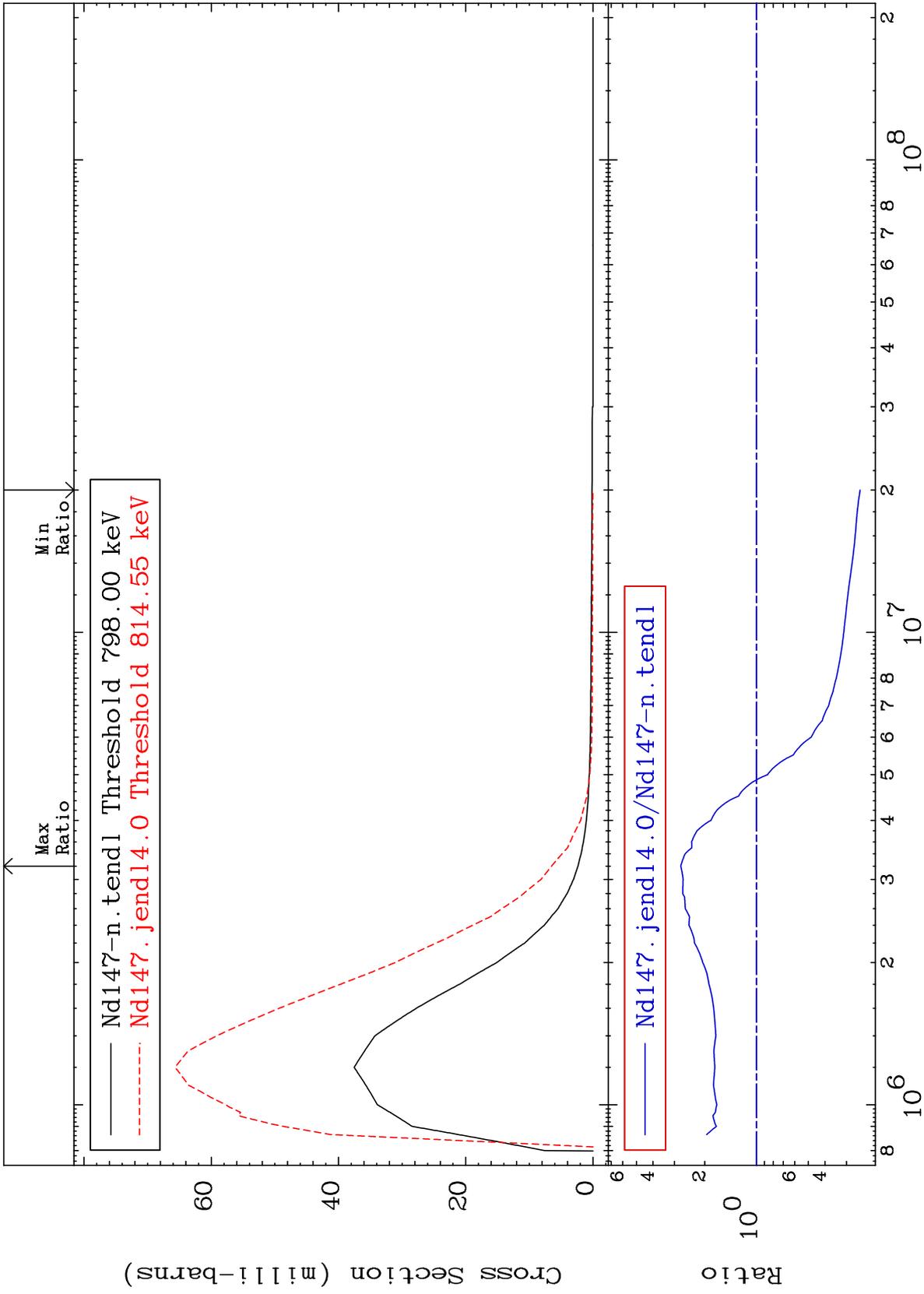
Incident Energy (eV)

60-Nd-147

MAT 6040

792.6 keV (n,n') Level
Cross Section

60-Nd-147
-75.00 To 175.9 %



28

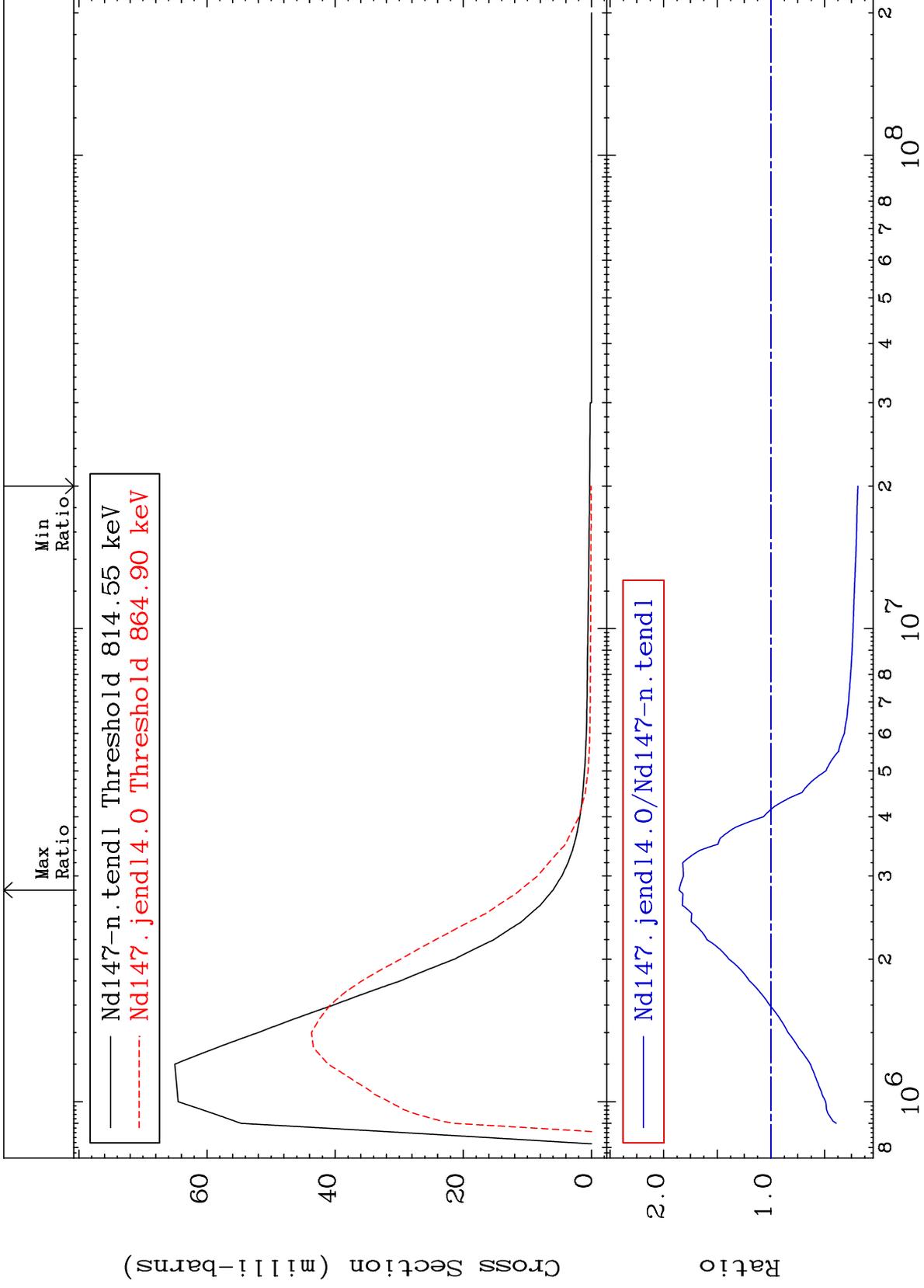
Incident Energy (eV)

60-Nd-147

MAT 6040

809.0 keV (n,n') Level
Cross Section

60-Nd-147
-81.08 To 85.63 %



29

Incident Energy (eV)

60-Nd-147

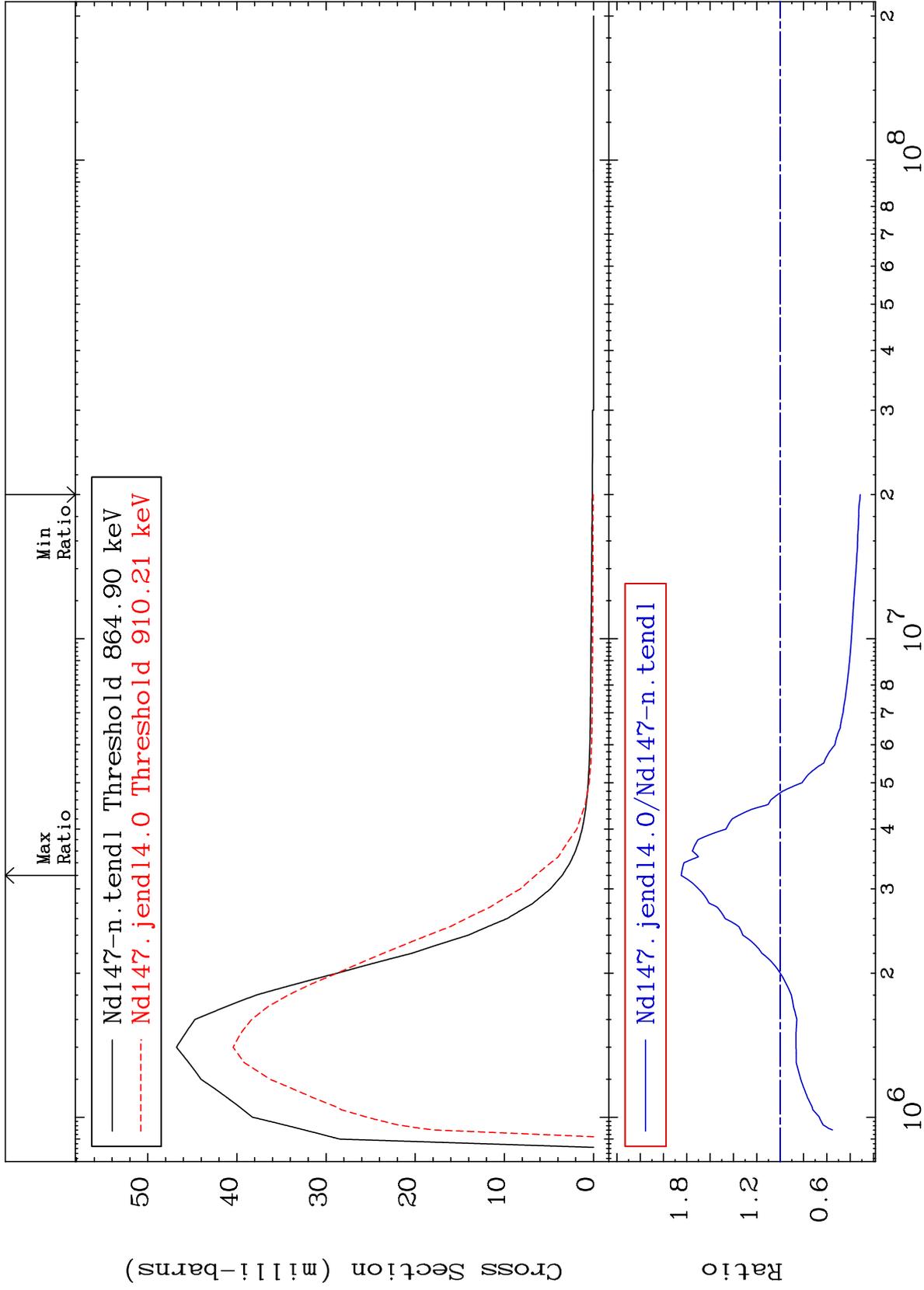
MAT 6040

859.0 keV (n,n') Level

60-Nd-147

-68.54 To 84.86 %

Cross Section



30

Incident Energy (eV)

60-Nd-147

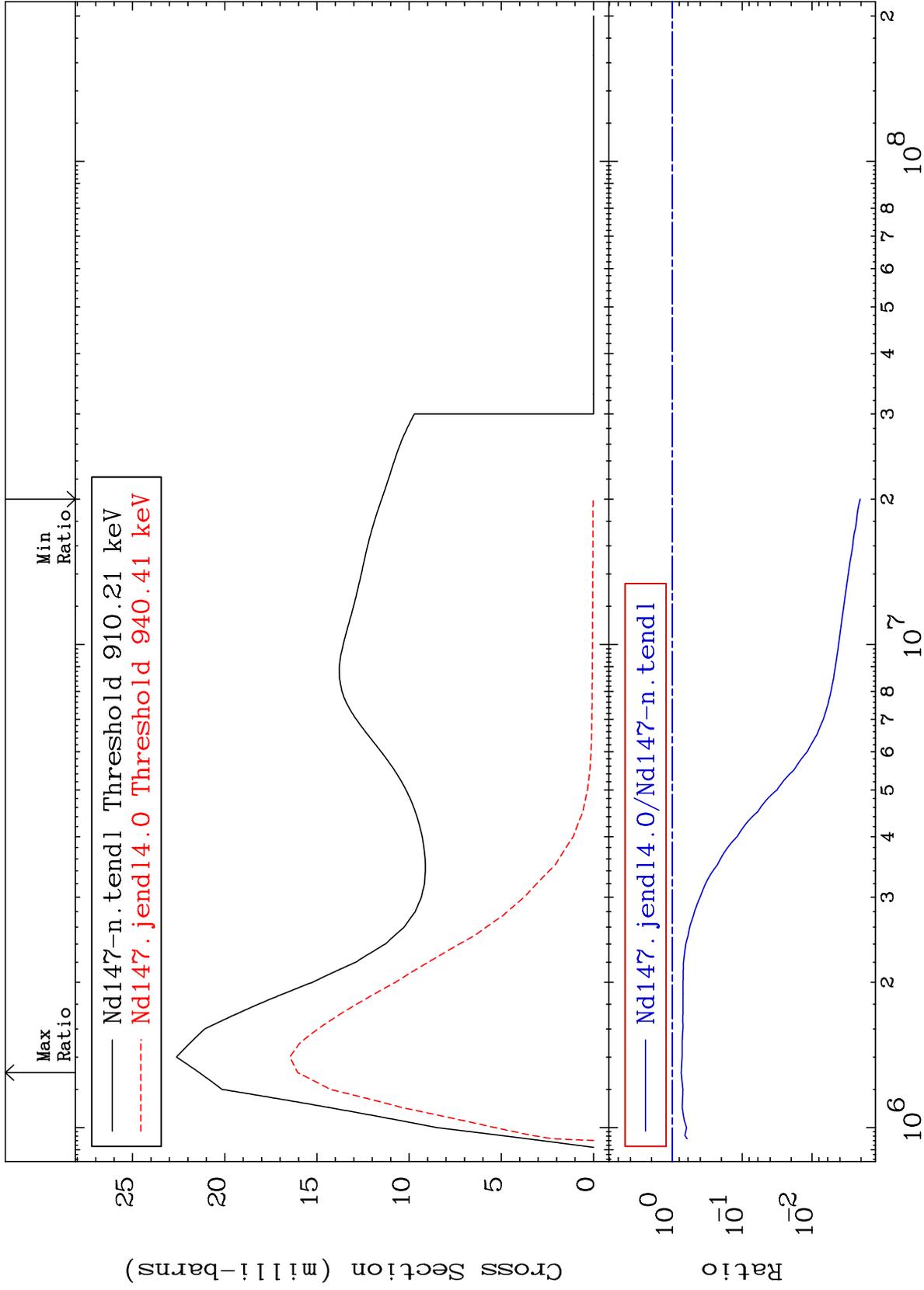
MAT 6040

904.0 keV (n,n') Level

60-Nd-147

-99.79 To -24.95%

Cross Section



31

Incident Energy (eV)

60-Nd-147

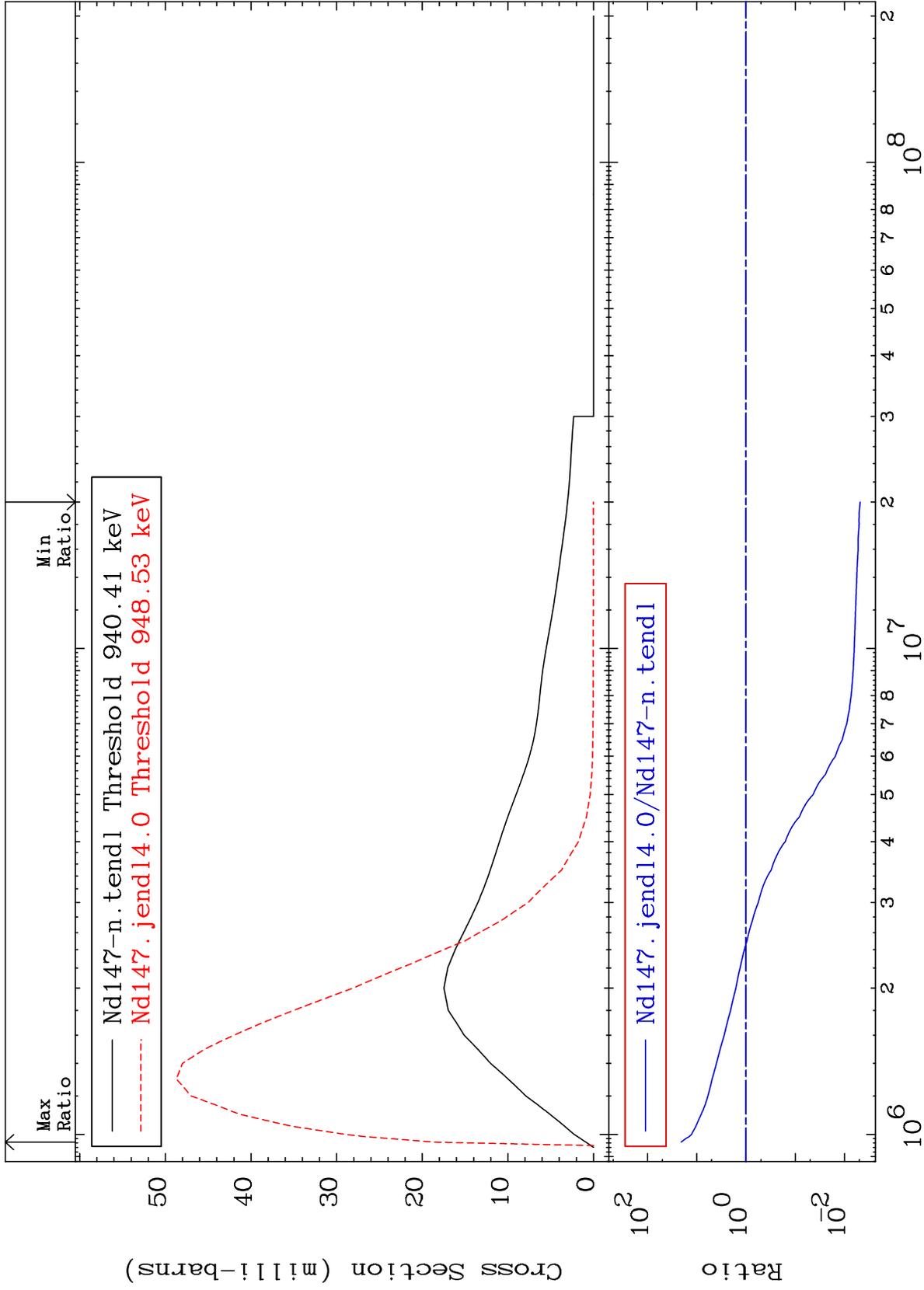
MAT 6040

934.0 keV (n,n') Level

60-Nd-147

-99.52 To 1975. %

Cross Section



32

Incident Energy (eV)

60-Nd-147

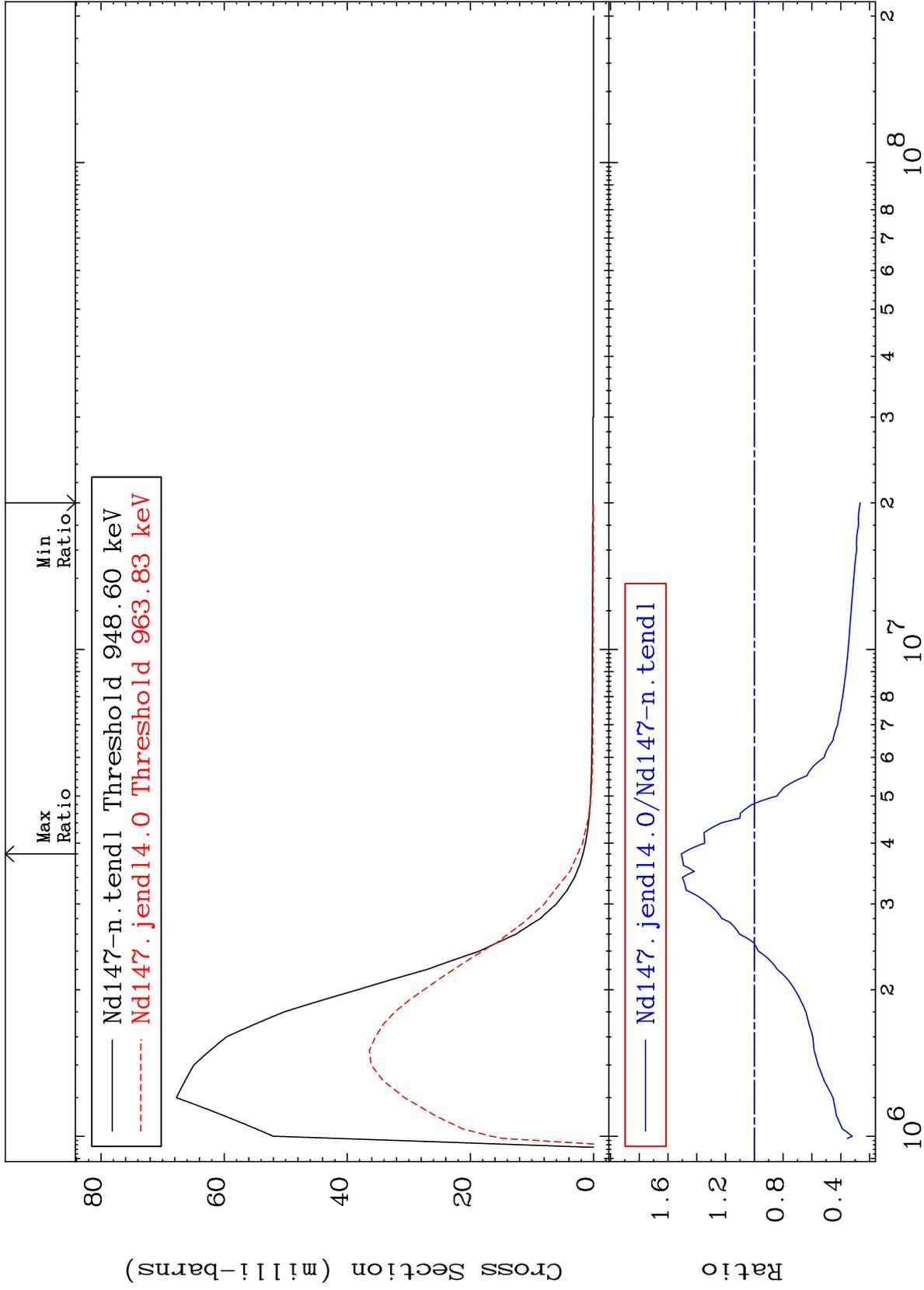
MAT 6040

942.1 keV (n,n') Level

60-Nd-147

-73.54 To 50.84 %

Cross Section



33

Incident Energy (eV)

60-Nd-147

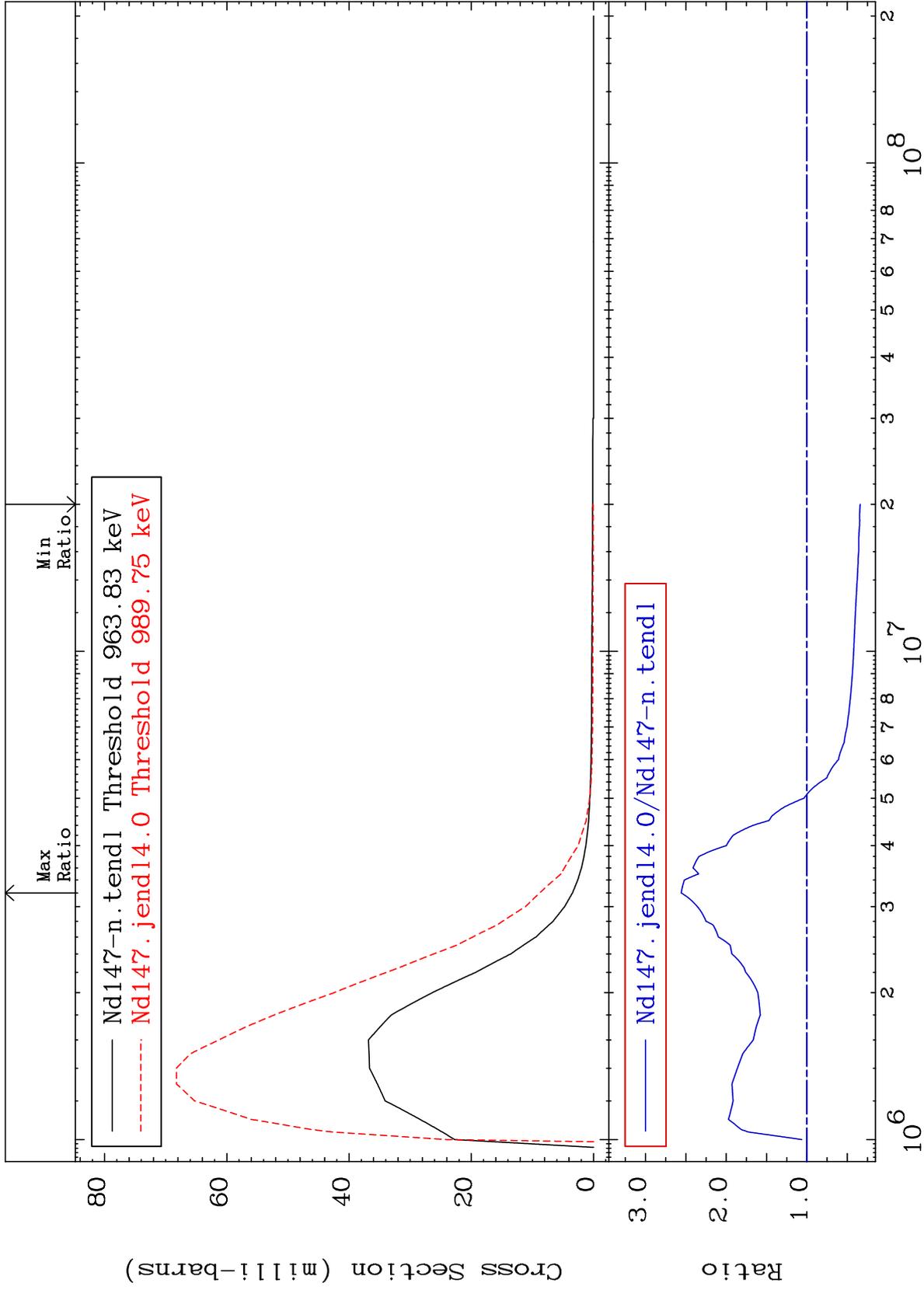
MAT 6040

957.3 keV (n,n') Level

60-Nd-147

-65.99 To 155.8 %

Cross Section



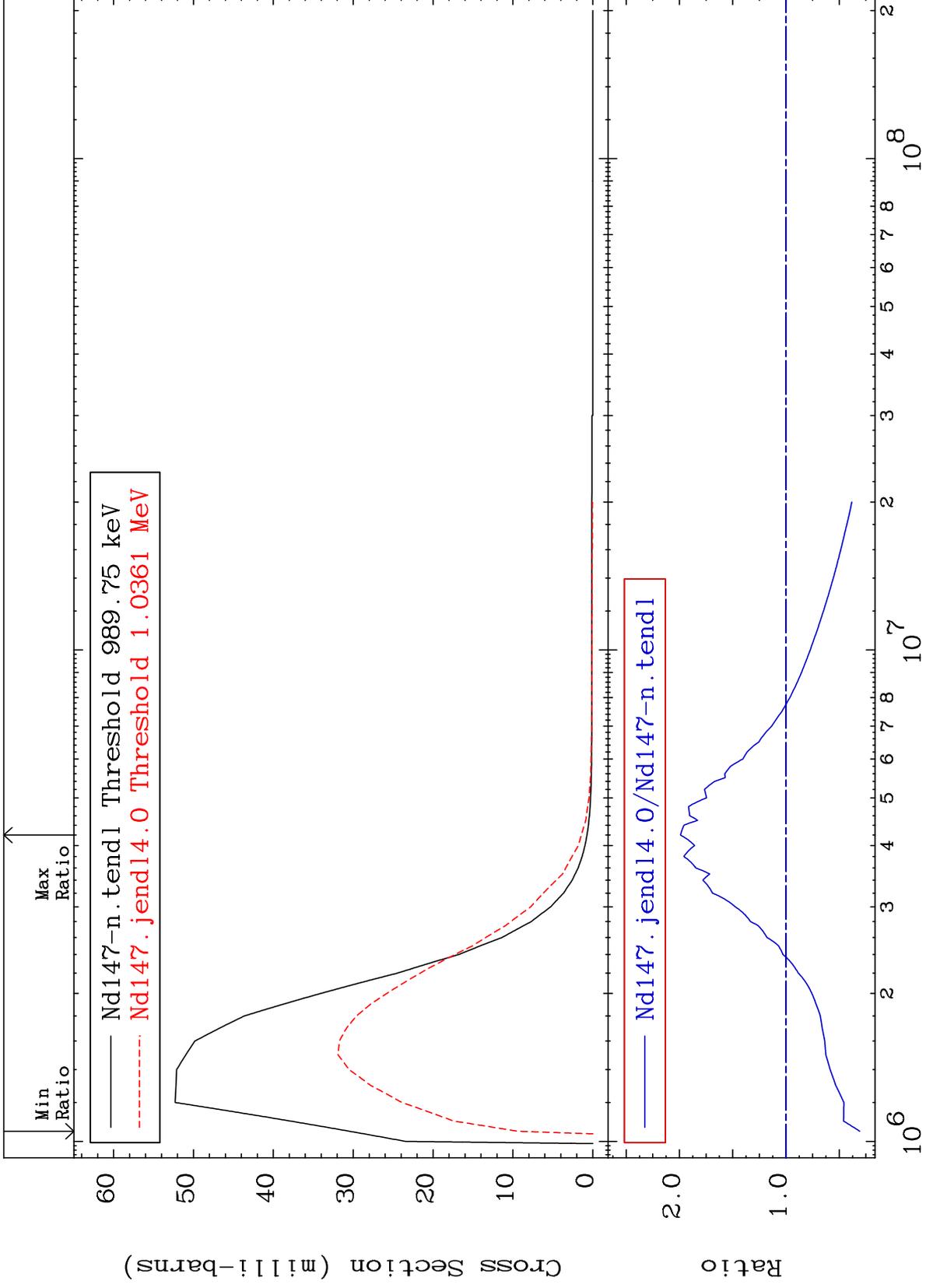
34

60-Nd-147

MAT 6040

983.0 keV (n,n') Level
Cross Section

60-Nd-147
-69.24 To 98.98 %



35

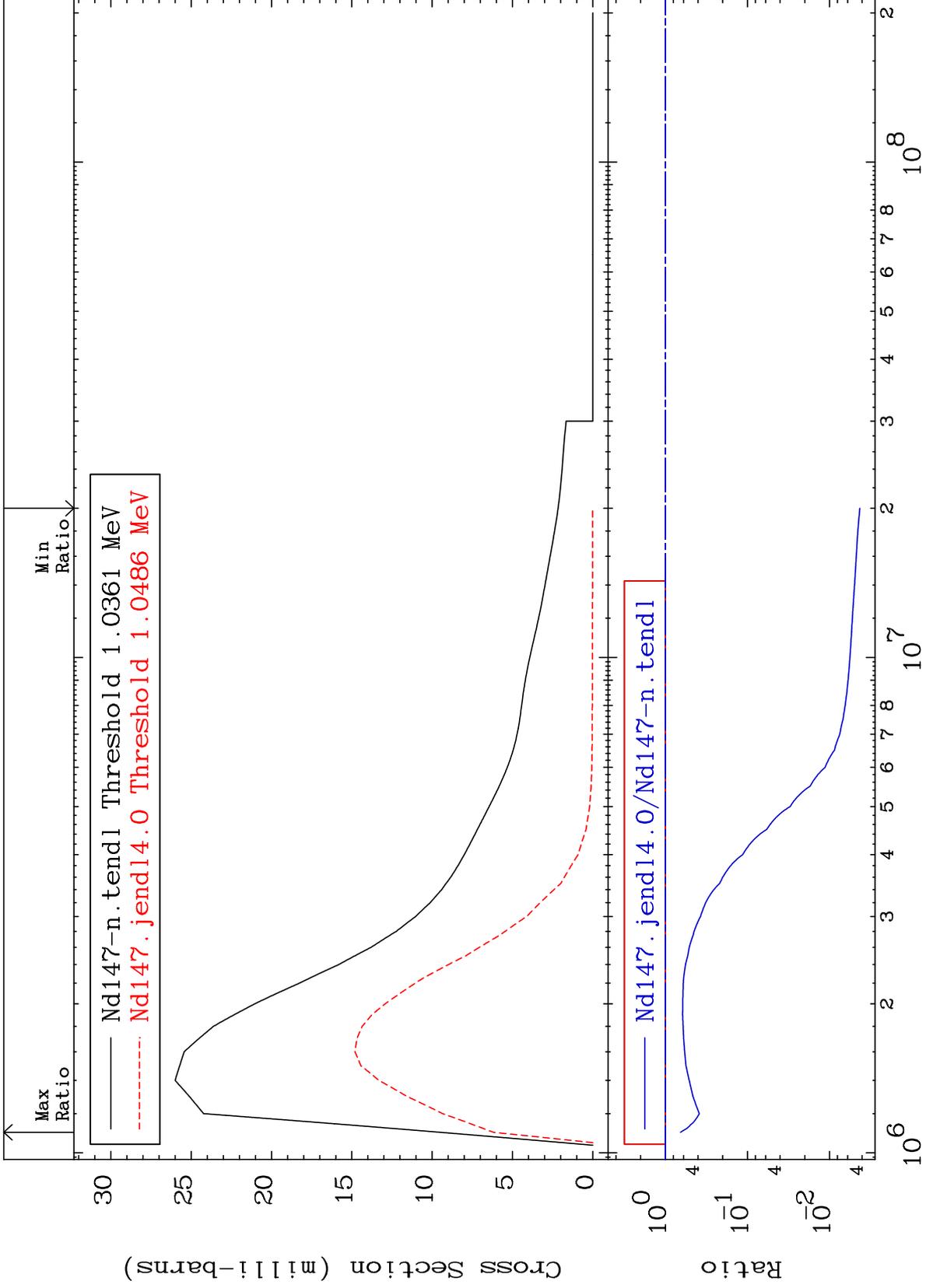
Incident Energy (eV)

60-Nd-147

MAT 6040

1.029 MeV (n,n') Level
Cross Section

60-Nd-147
-99.57 To -34.63%



36

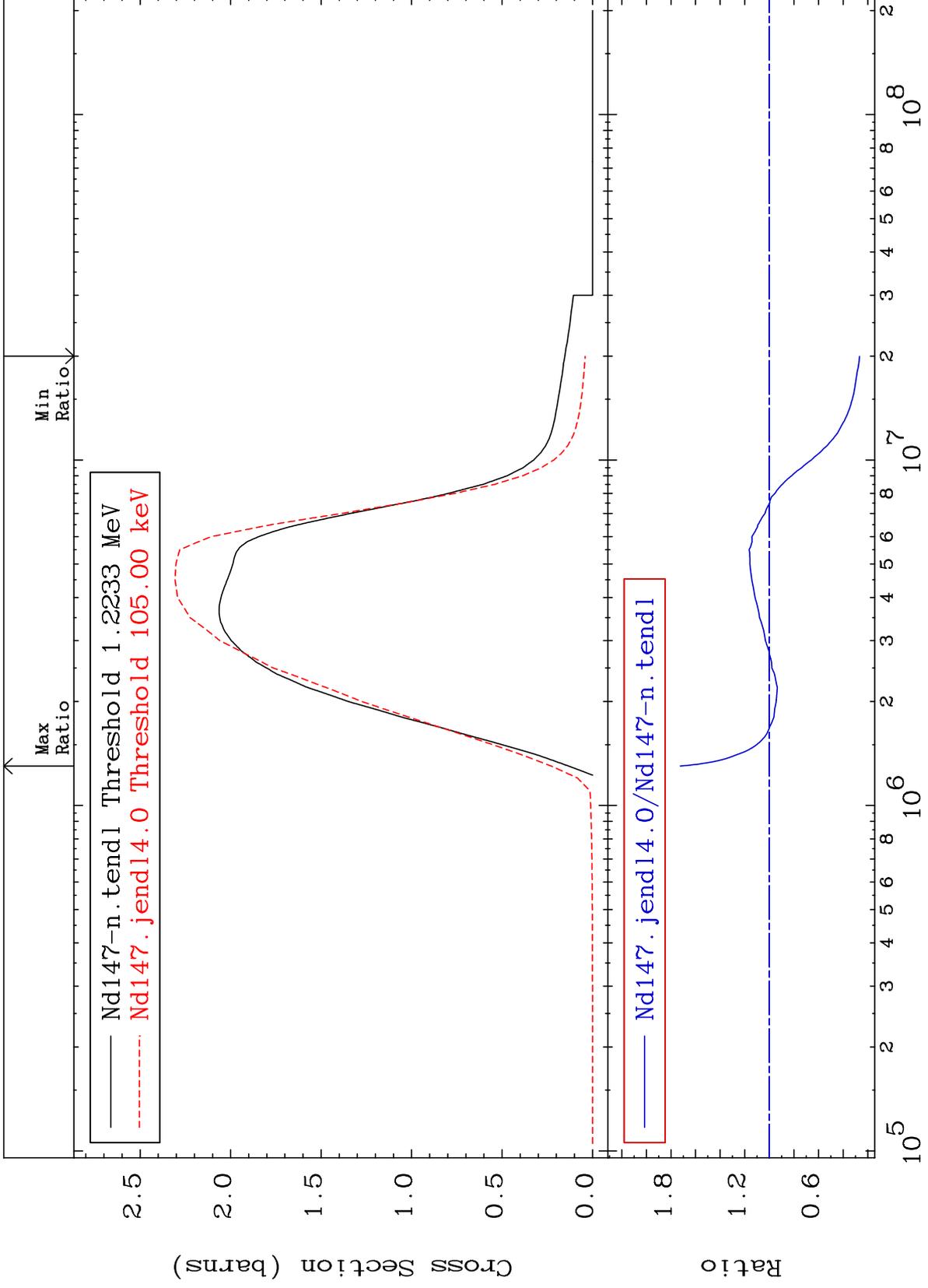
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') Continuum
Cross Section

60-Nd-147
-73.28 To 72.43 %



37

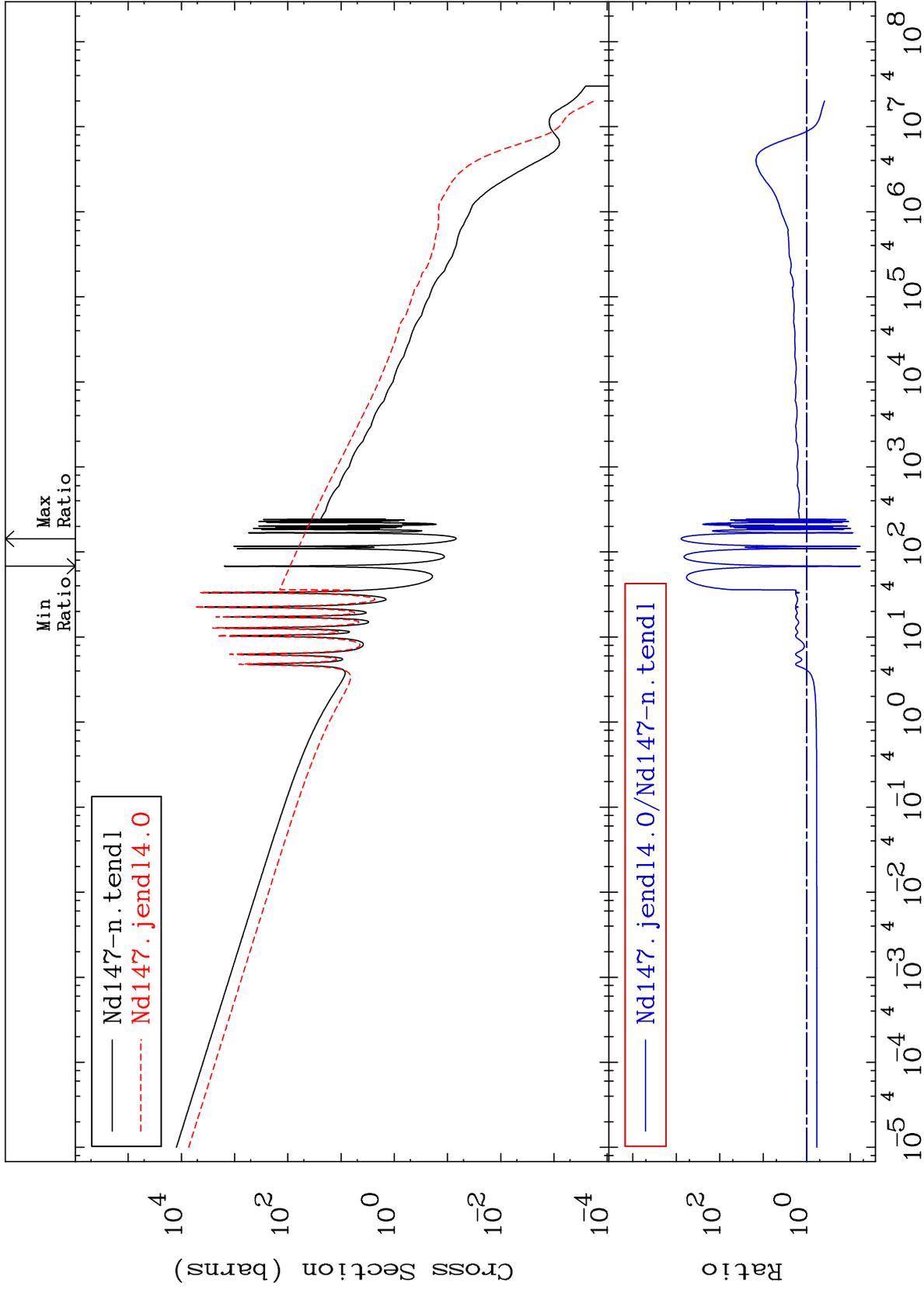
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, γ)
Cross Section

60-Nd-147
-94.12 To 9999. %



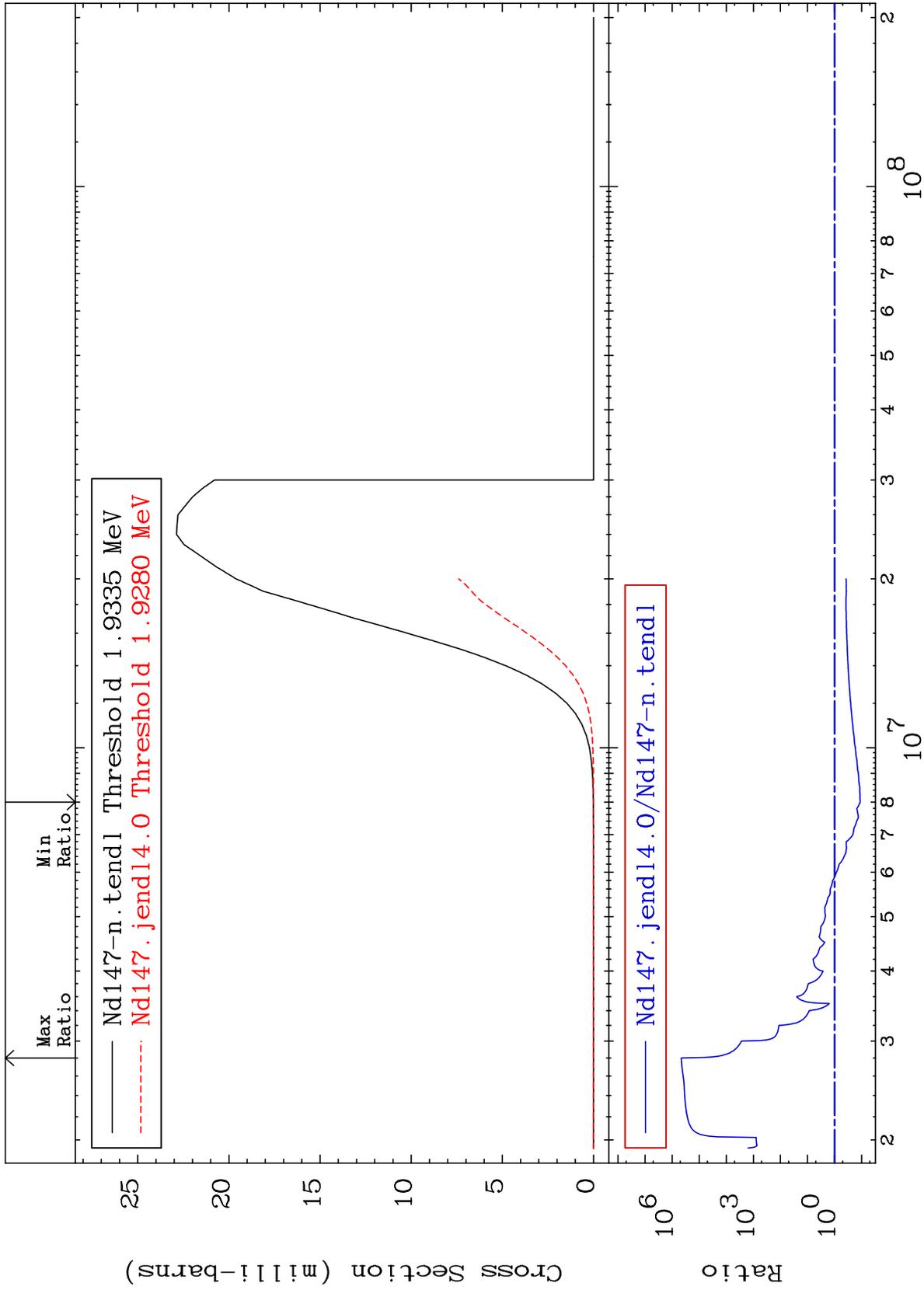
MAT 6040

(n,p)

60-Nd-147

Cross Section

-88.63 To 9999. %



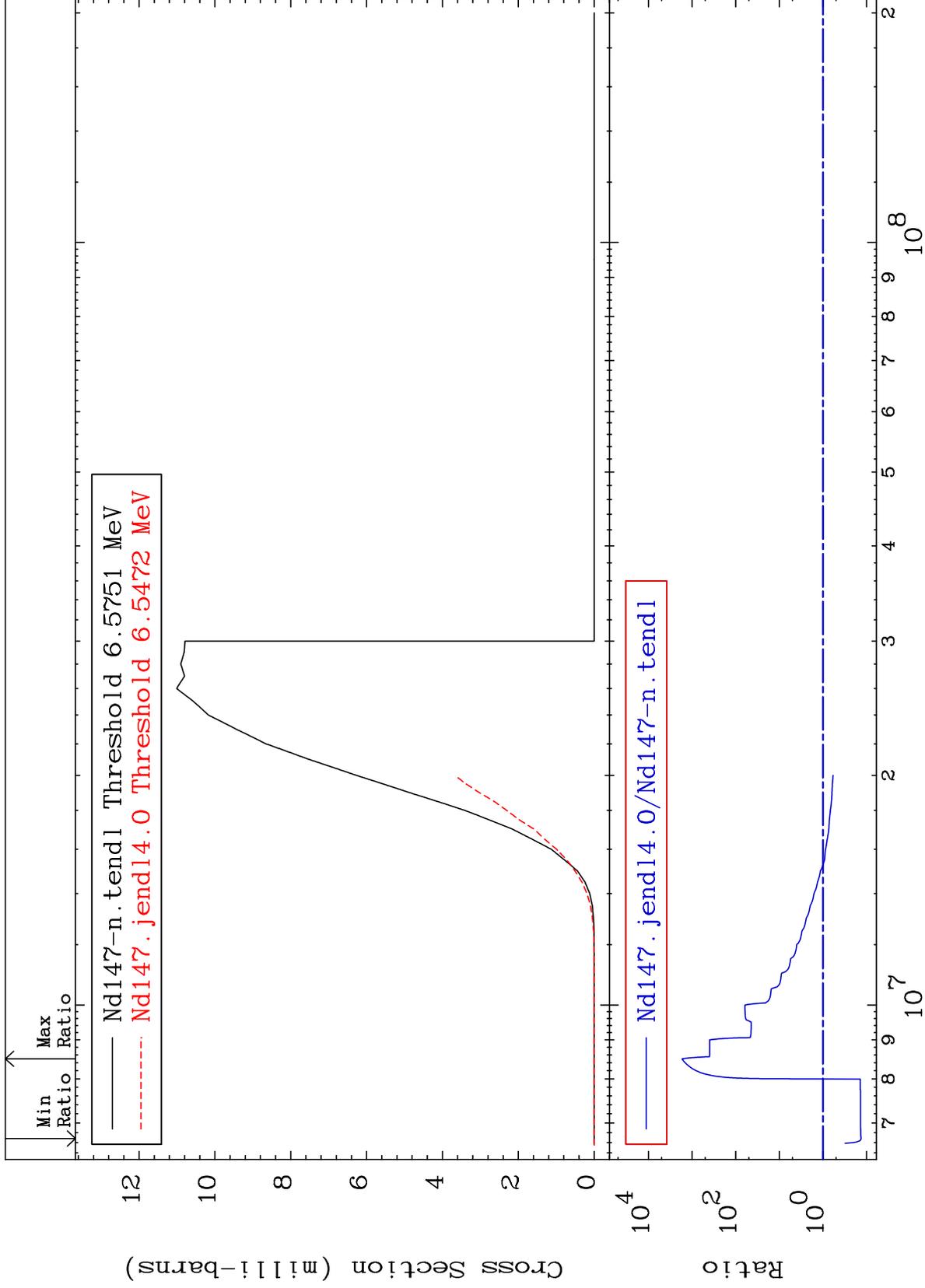
MAT 6040

(n, d)

60-Nd-147

Cross Section

-86.65 To 9999. %



40

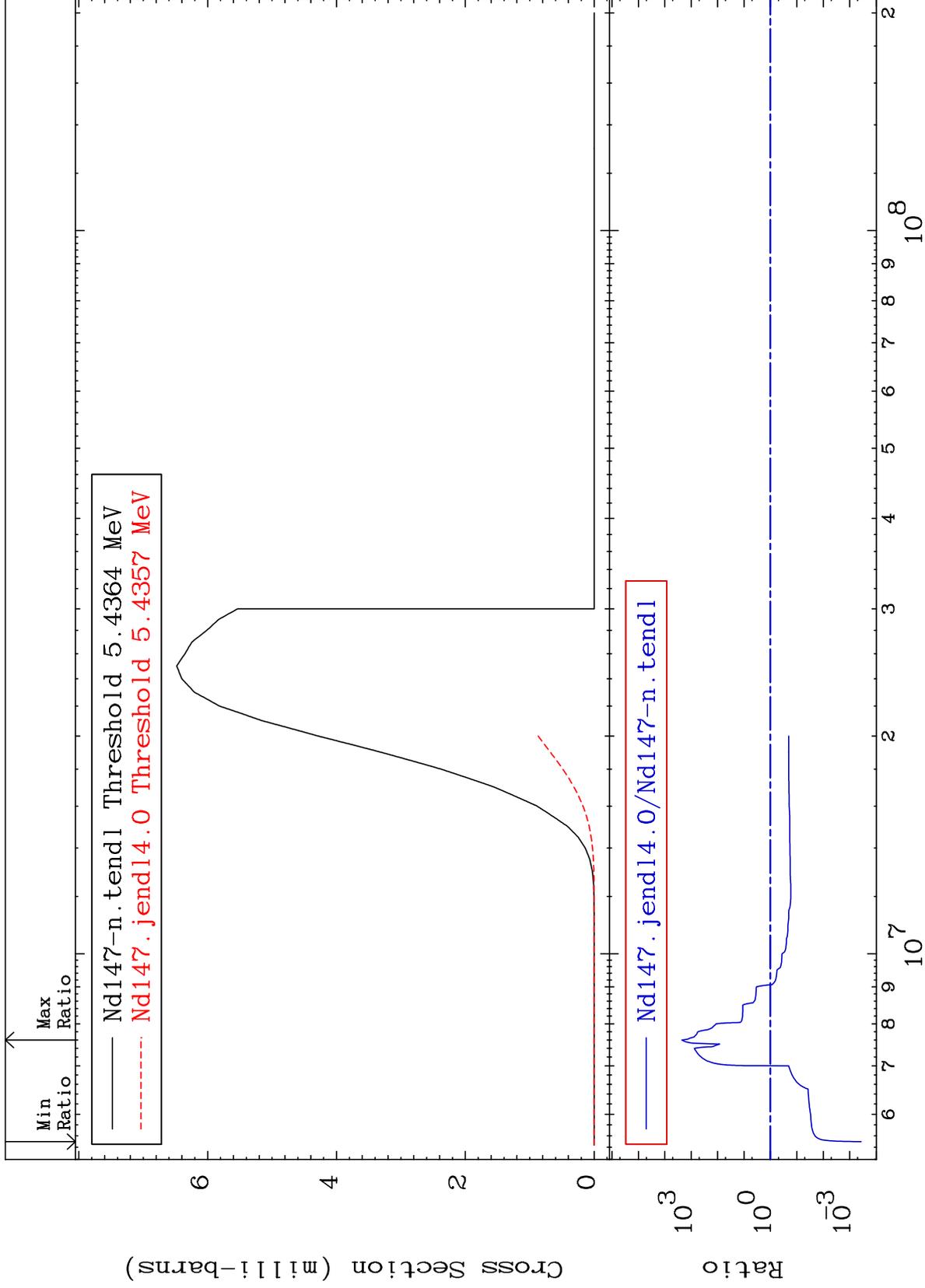
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, t)
Cross Section

60-Nd-147
-99.96 To 9999. %



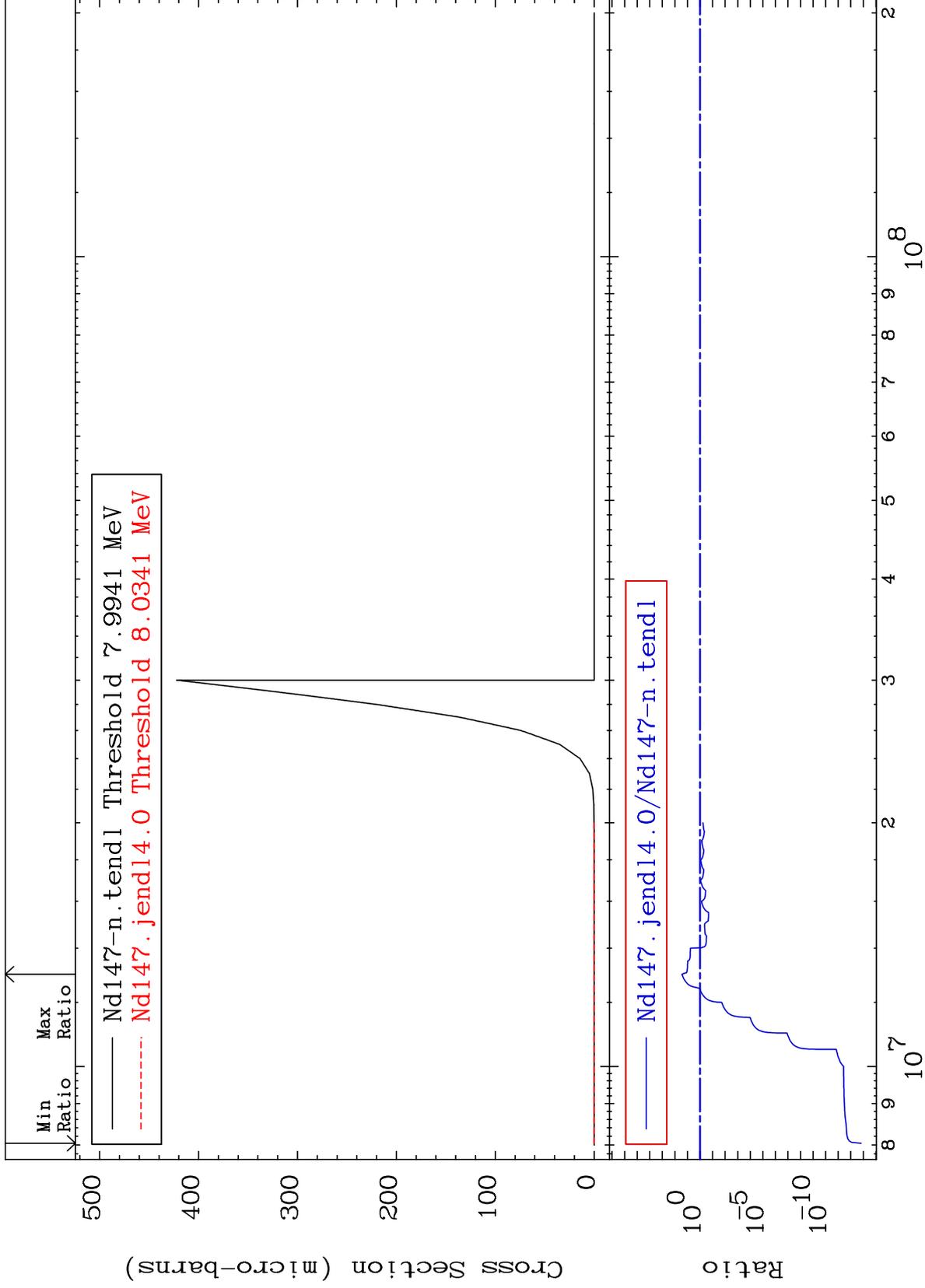
MAT 6040

(n, He-3)

60-Nd-147

Cross Section

-100.0 To 2657. %



42

Incident Energy (eV)

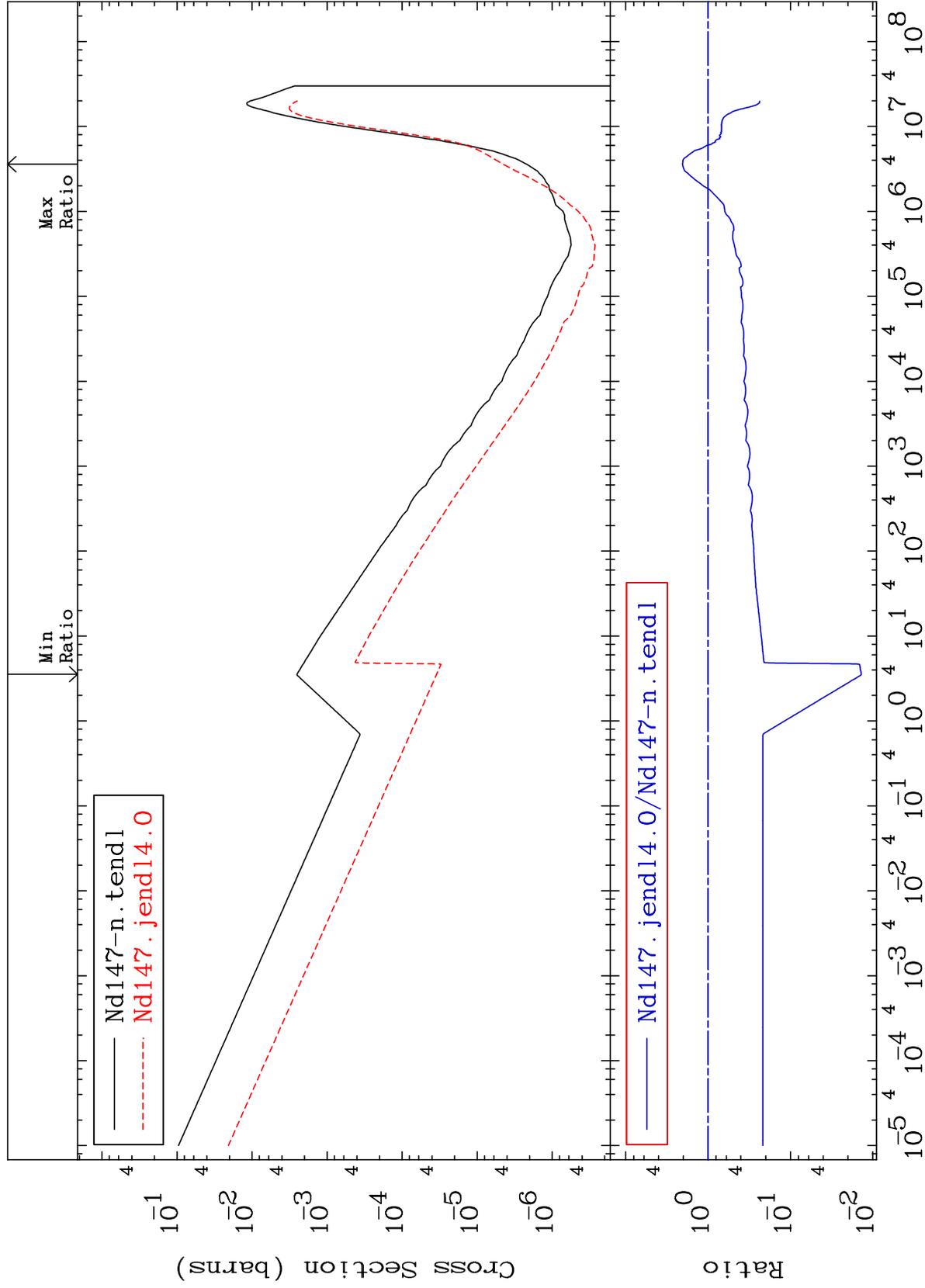
60-Nd-147

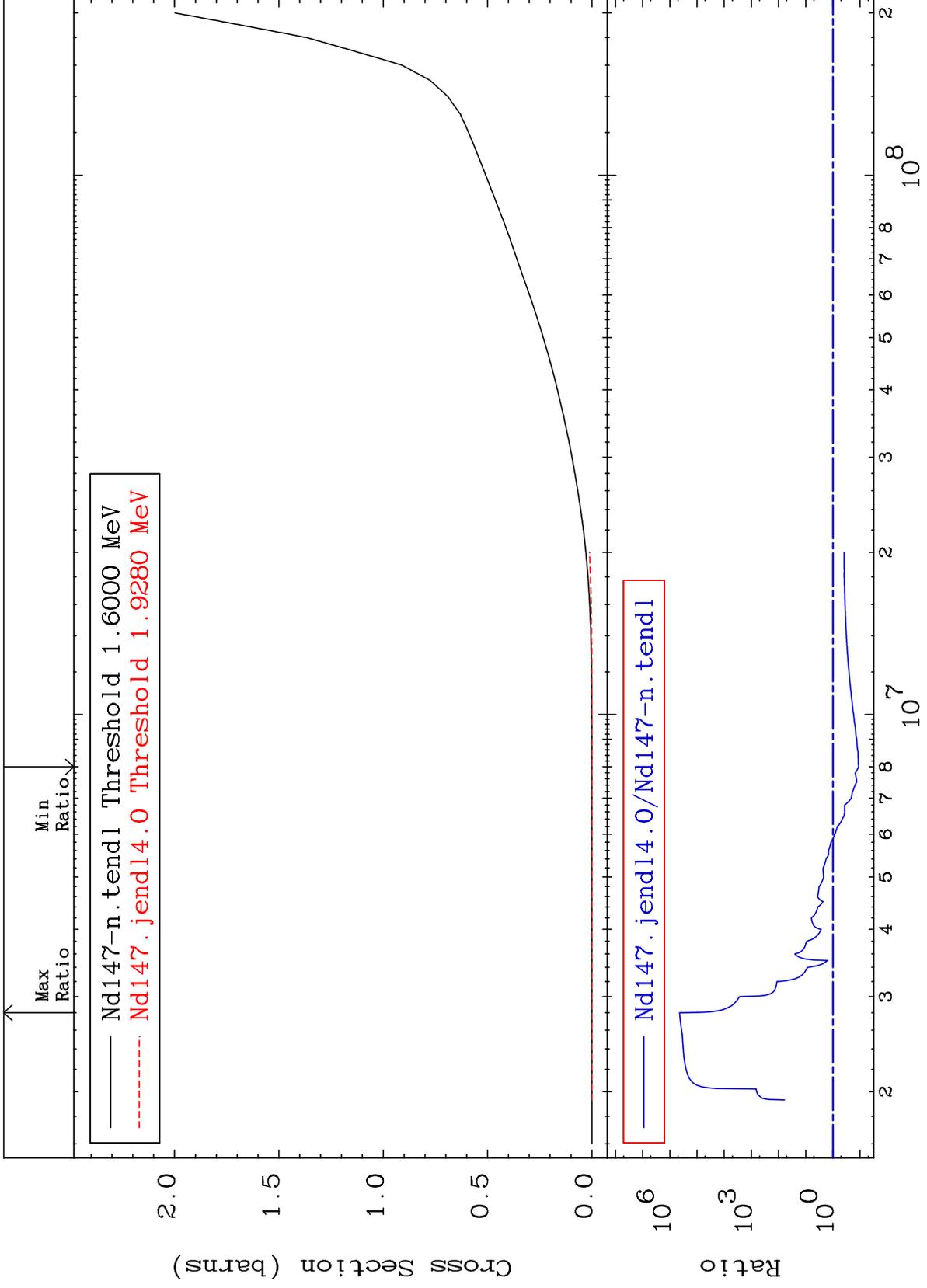
MAT 6040

60-Nd-147

(n, α)
Cross Section

-98.62 To 104.3 %

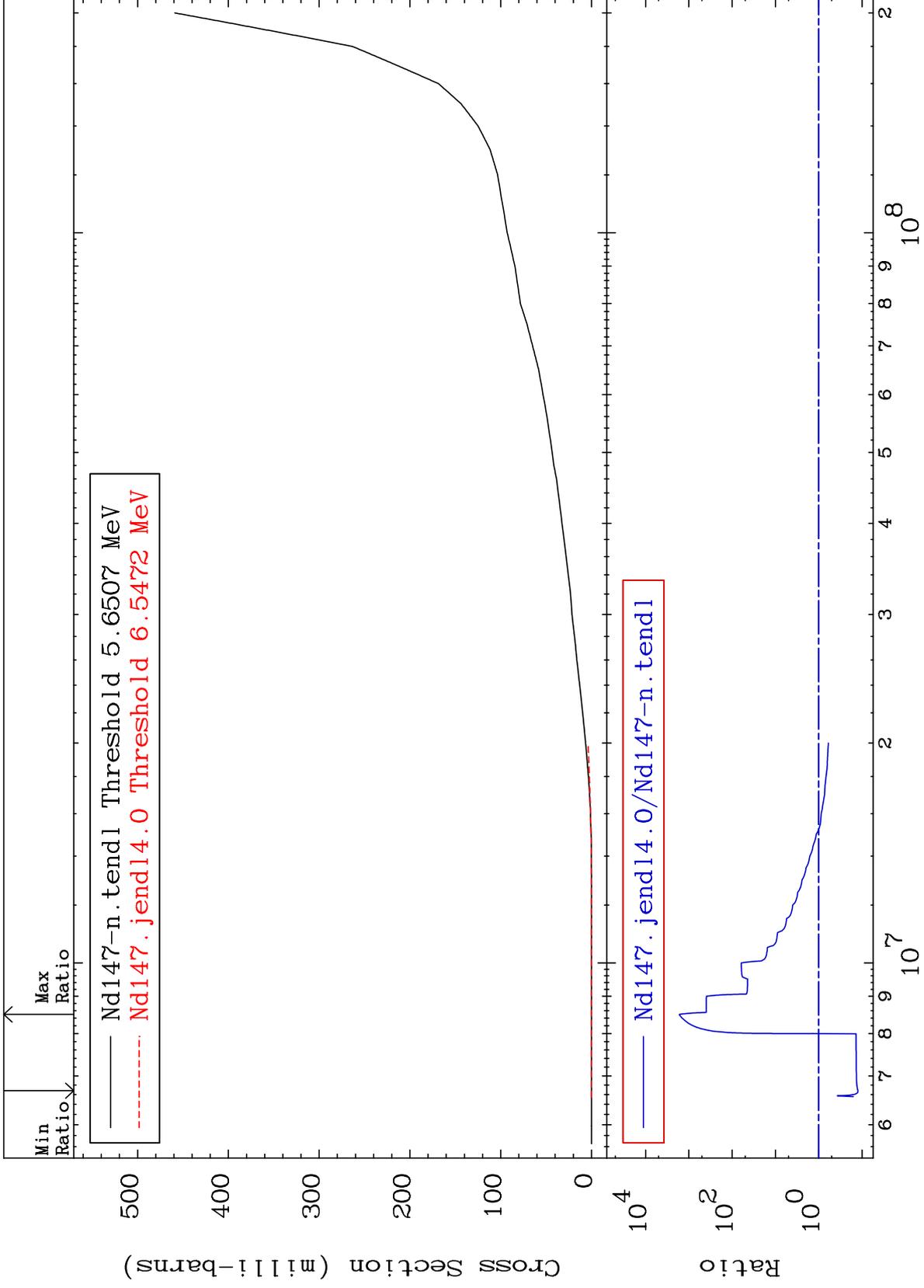




MAT 6040

Deuterium Production
Cross Section

60-Nd-147
-87.57 To 9999. %



45

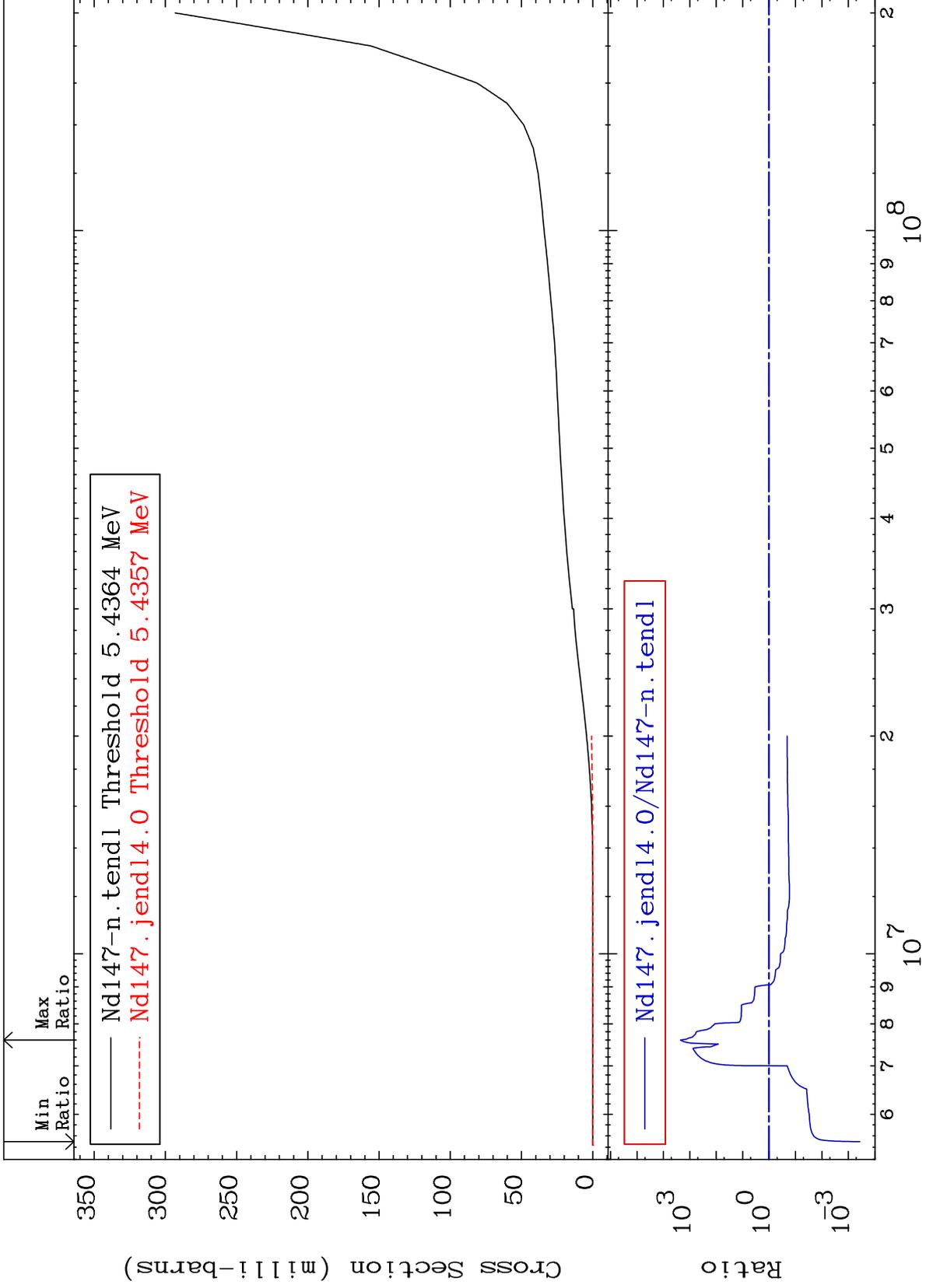
Incident Energy (eV)

60-Nd-147

MAT 6040

Tritium Production
Cross Section

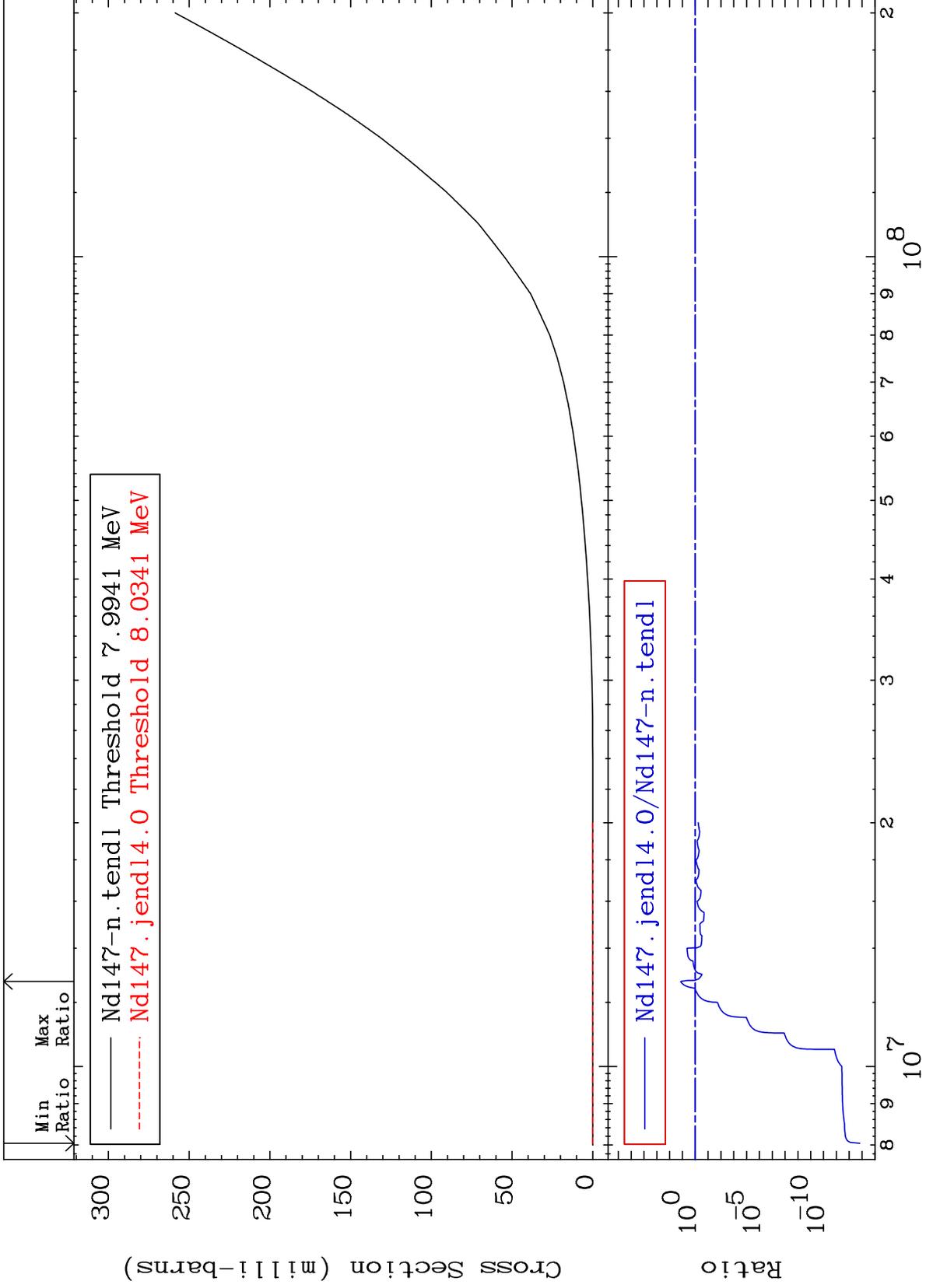
60-Nd-147
-99.96 To 9999. %



MAT 6040

He-3 Production
Cross Section

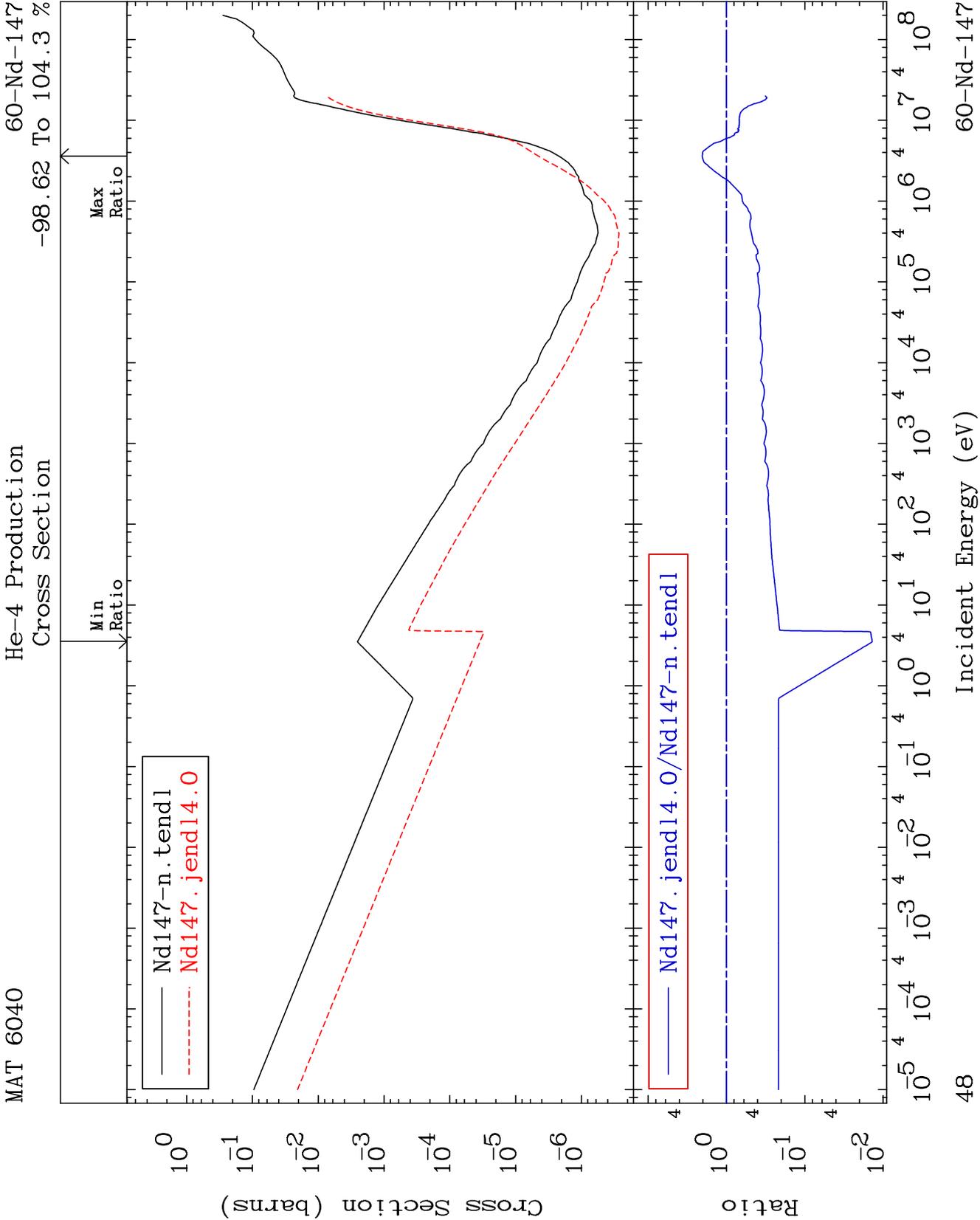
60-Nd-147
-100.0 To 1312. %



47

Incident Energy (eV)

60-Nd-147

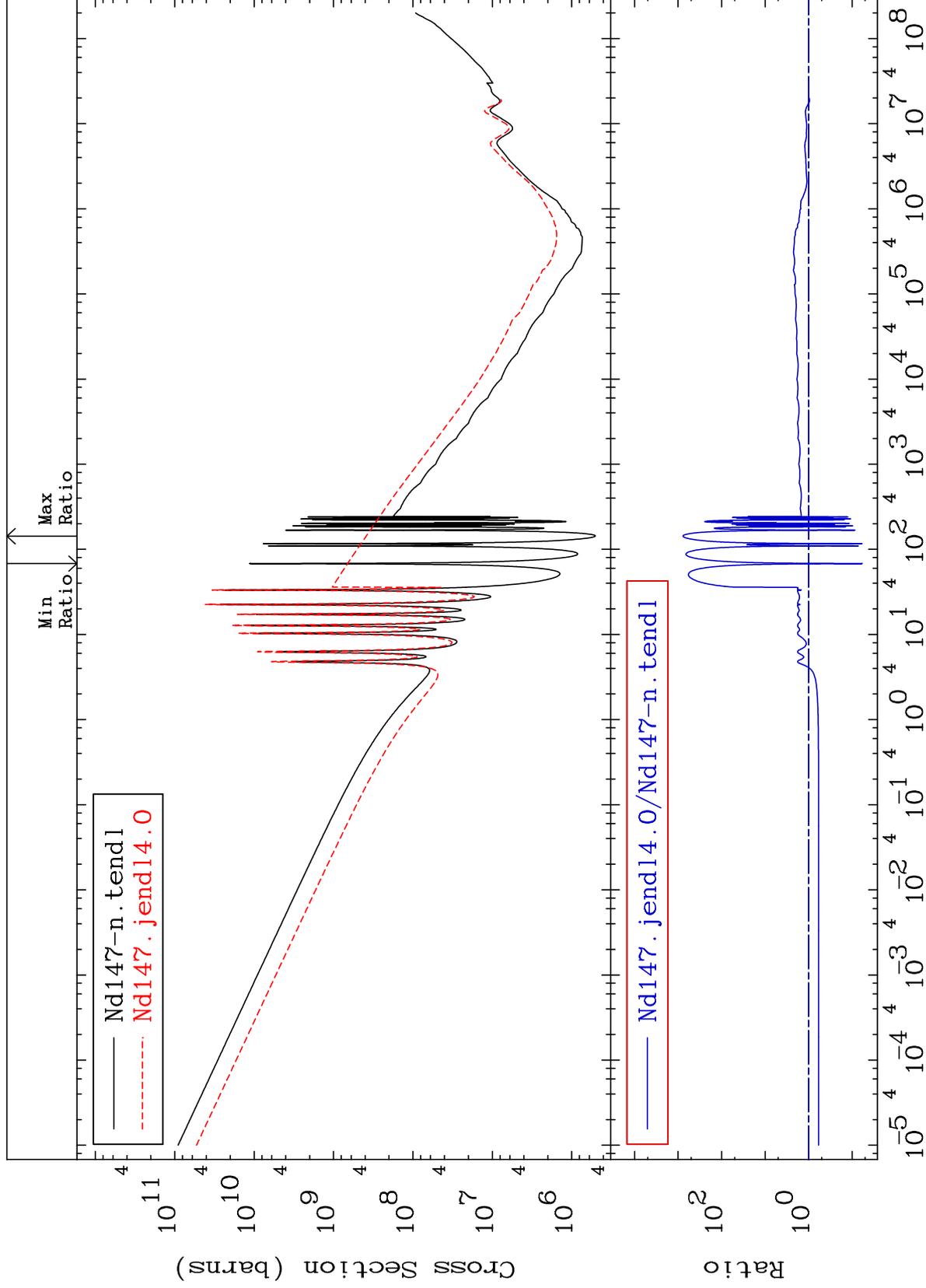


MAT 6040

Kerma total (eV-barns)
Cross Section

60-Nd-147

-94.14 To 9999. %



49

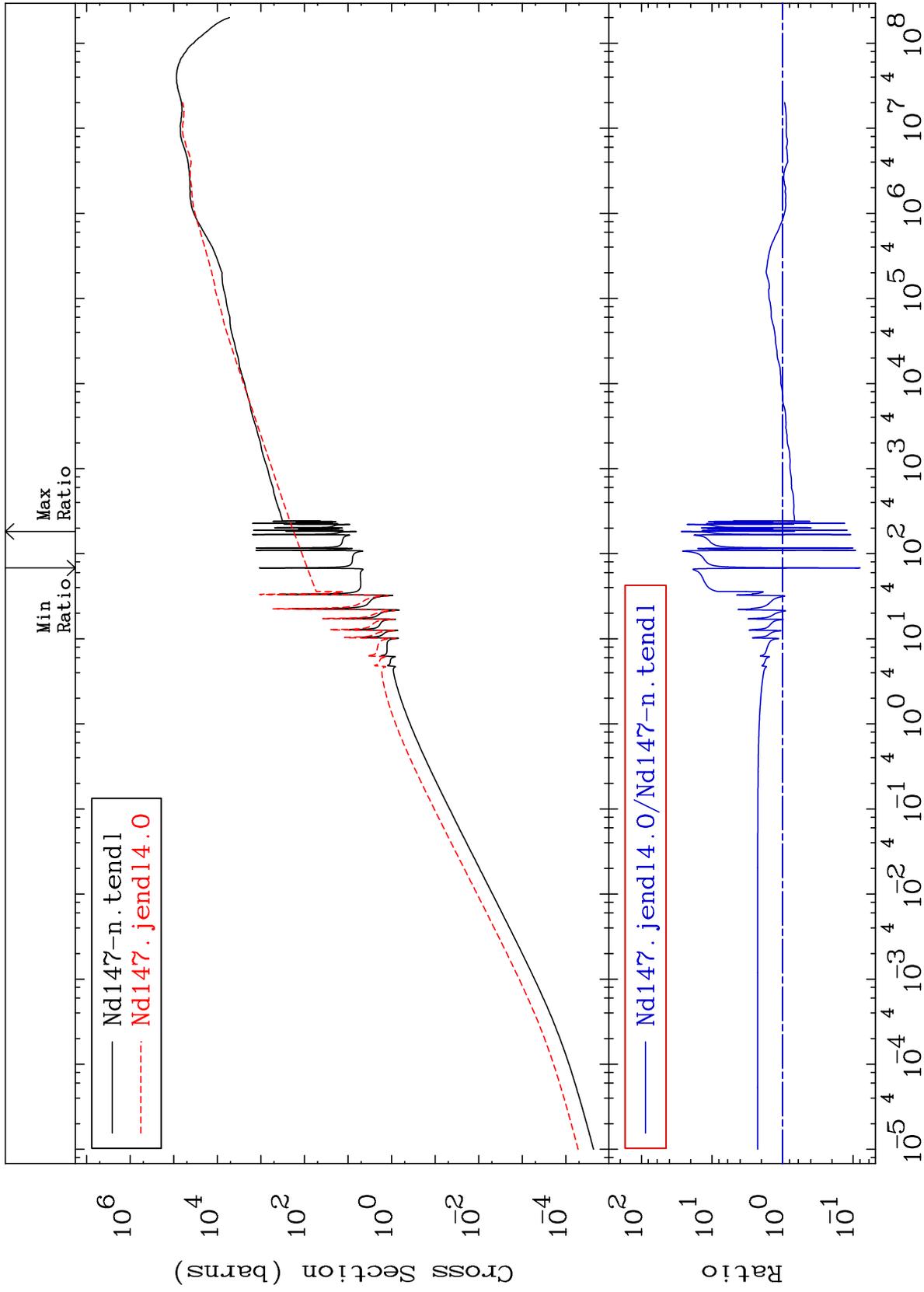
Incident Energy (eV)

60-Nd-147

MAT 6040

Kerma elastic
Cross Section

60-Nd-147
-92.04 To 2636. %



50

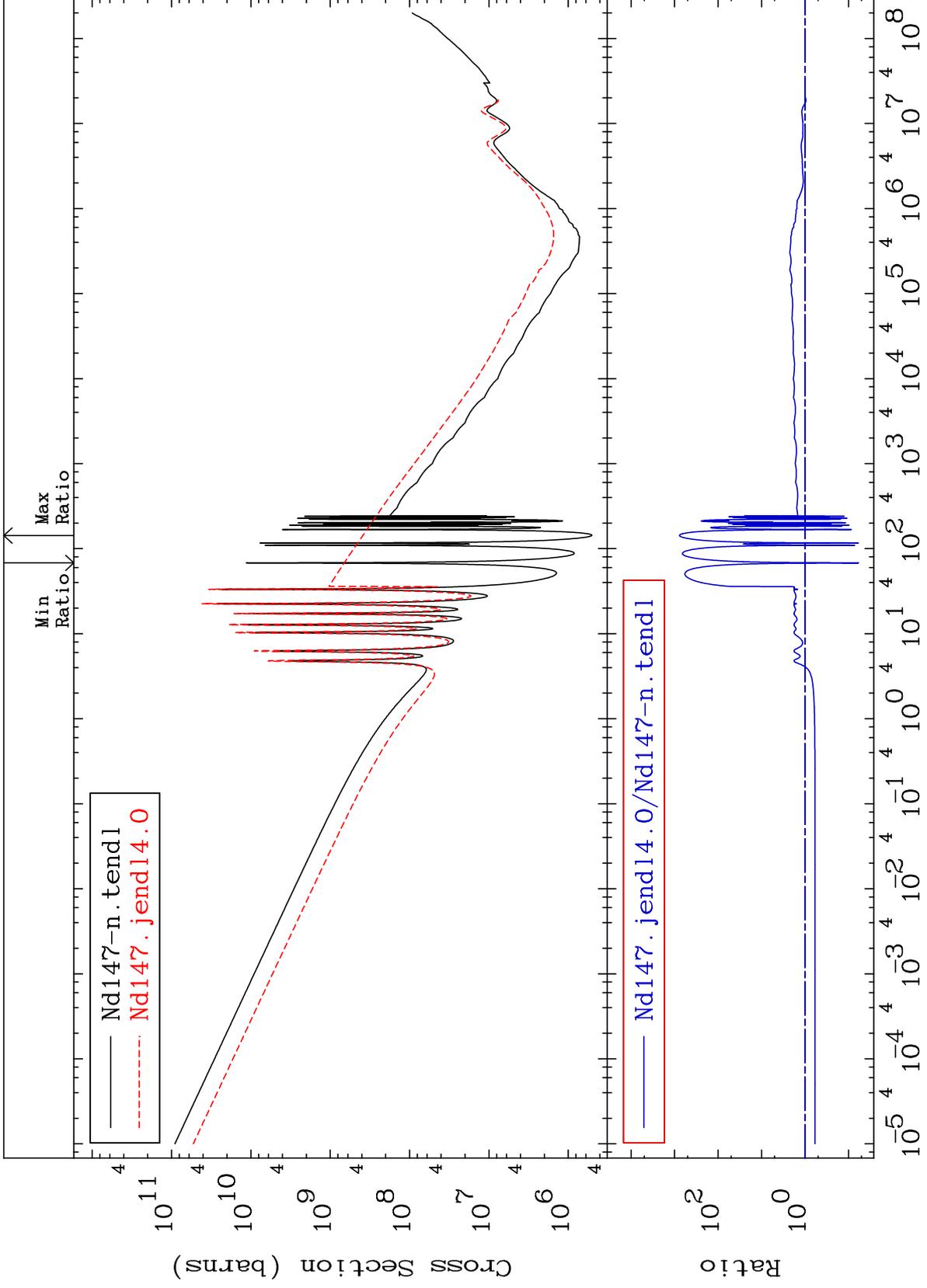
Incident Energy (eV)

60-Nd-147

MAT 6040

Kerma non-elastic (all but mt2)
Cross Section

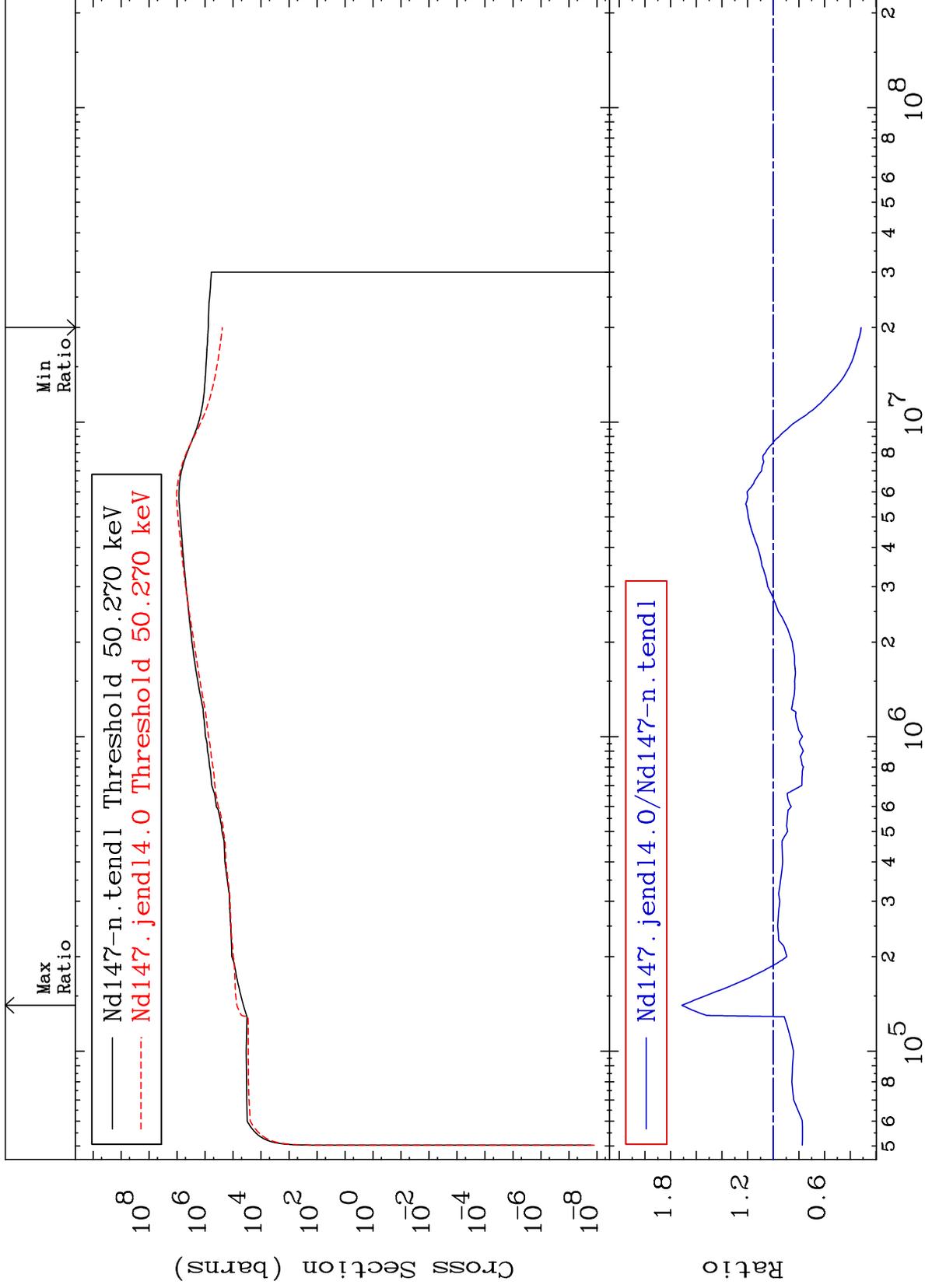
60-Nd-147
-94.14 To 9999. %



MAT 6040

Kerma inelastic (mt51-91)
Cross Section

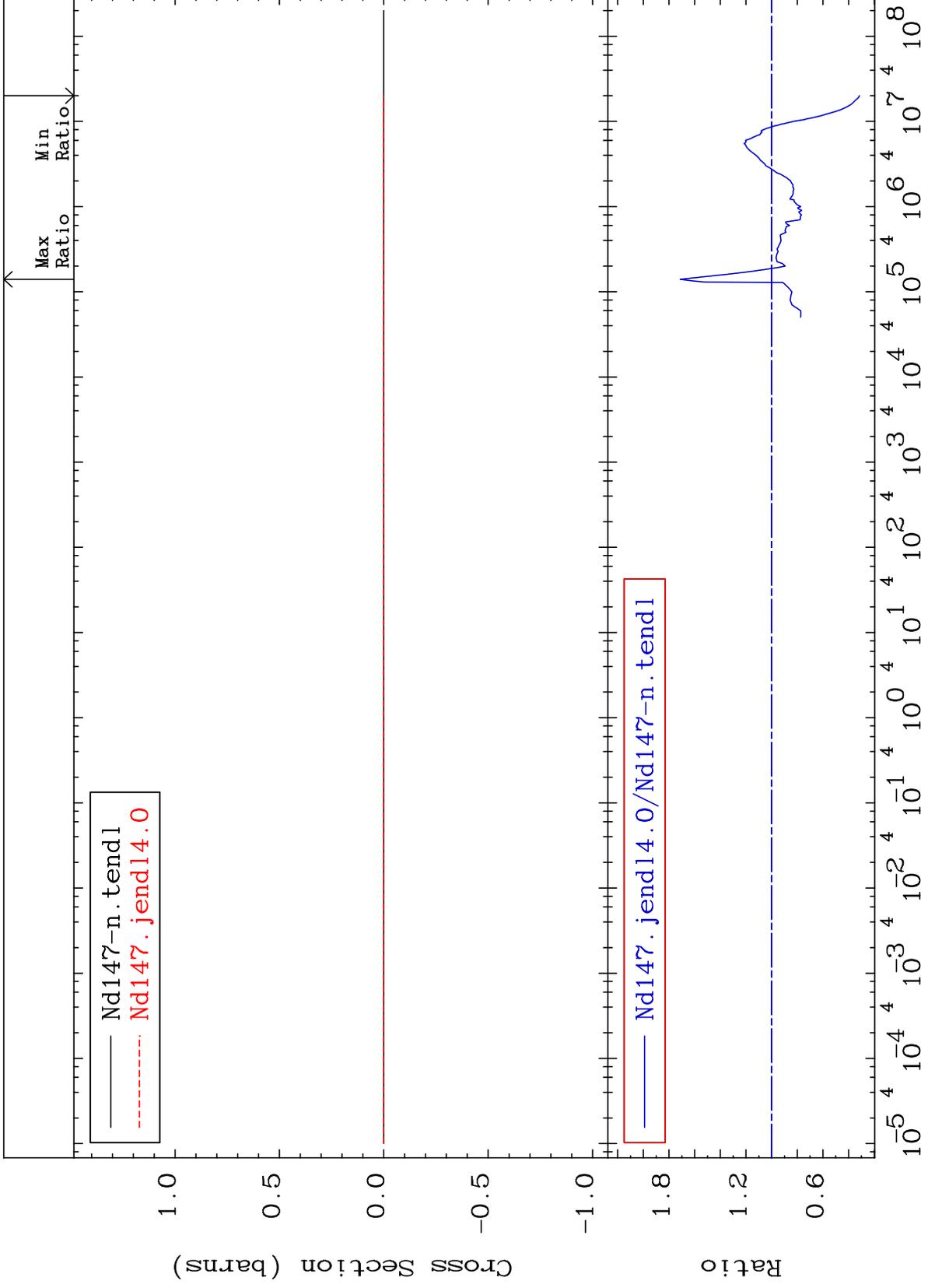
60-Nd-147
-68.48 To 71.23 %



MAT 6040

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

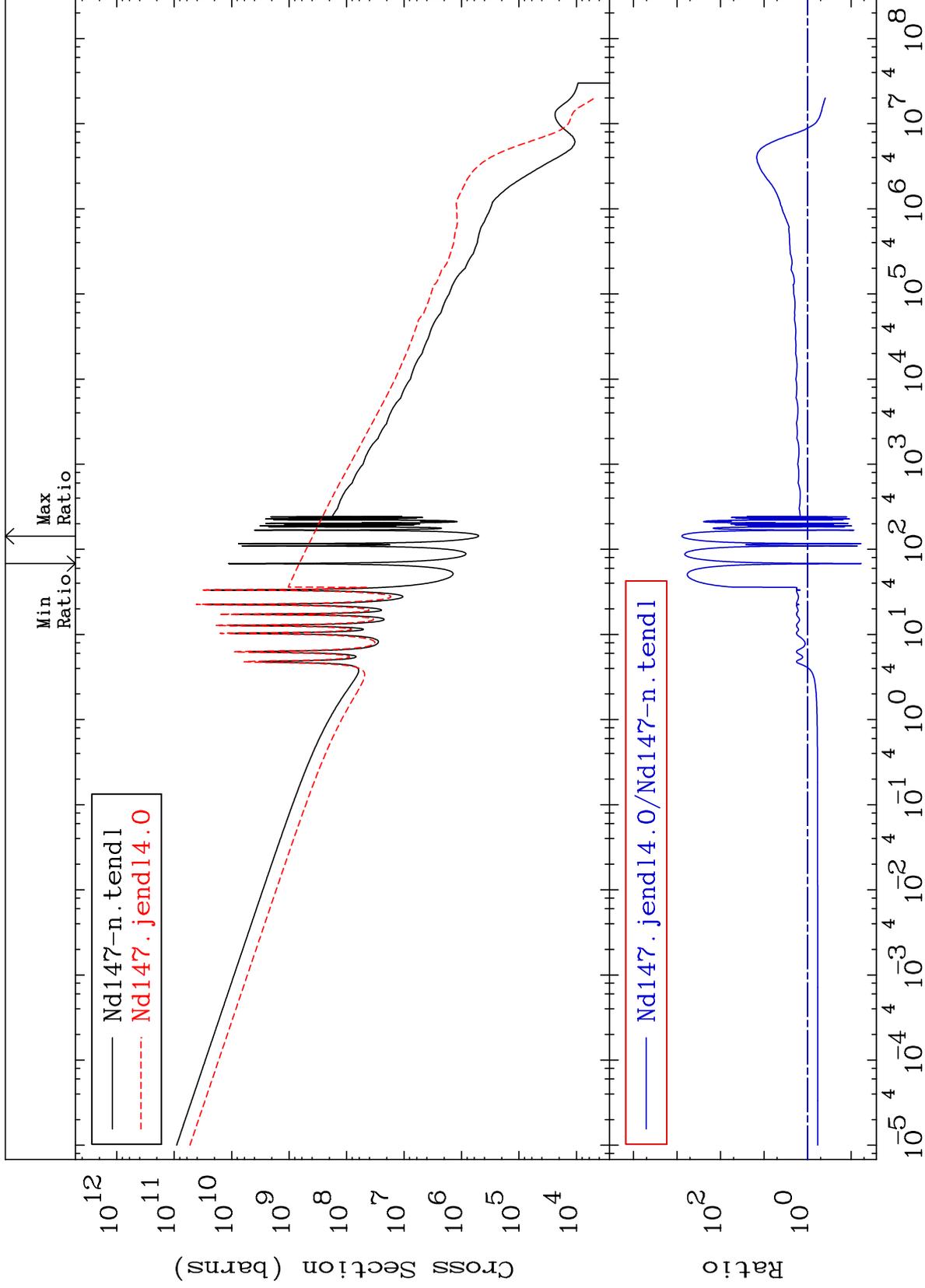
60-Nd-147
-68.48 To 71.23 %



MAT 6040

Kerma capture (mt102)
Cross Section

60-Nd-147
-94.14 To 9999. %



54

Incident Energy (eV)

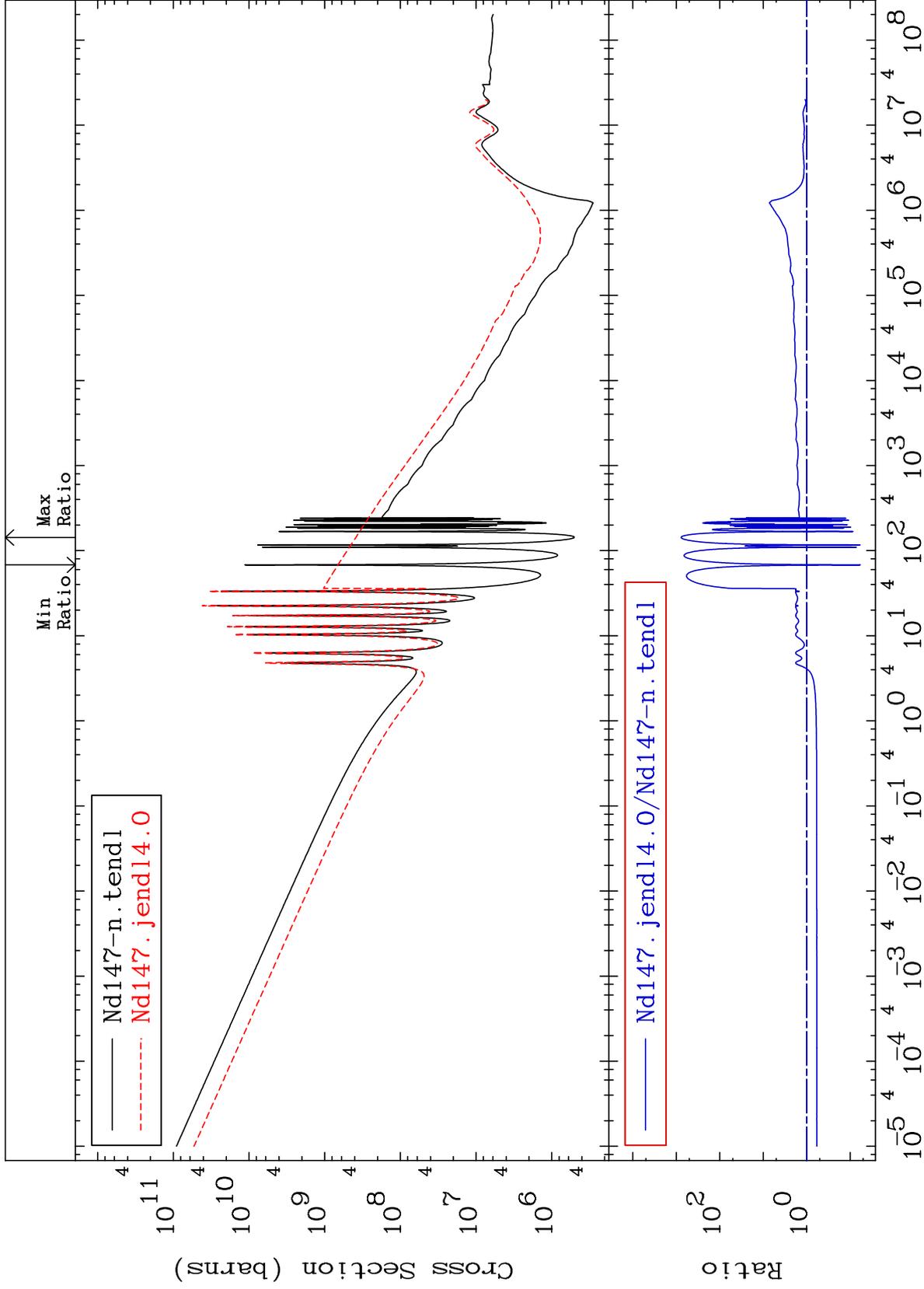
60-Nd-147

MAT 6040

Total photon (eV-barns)
Cross Section

60-Nd-147

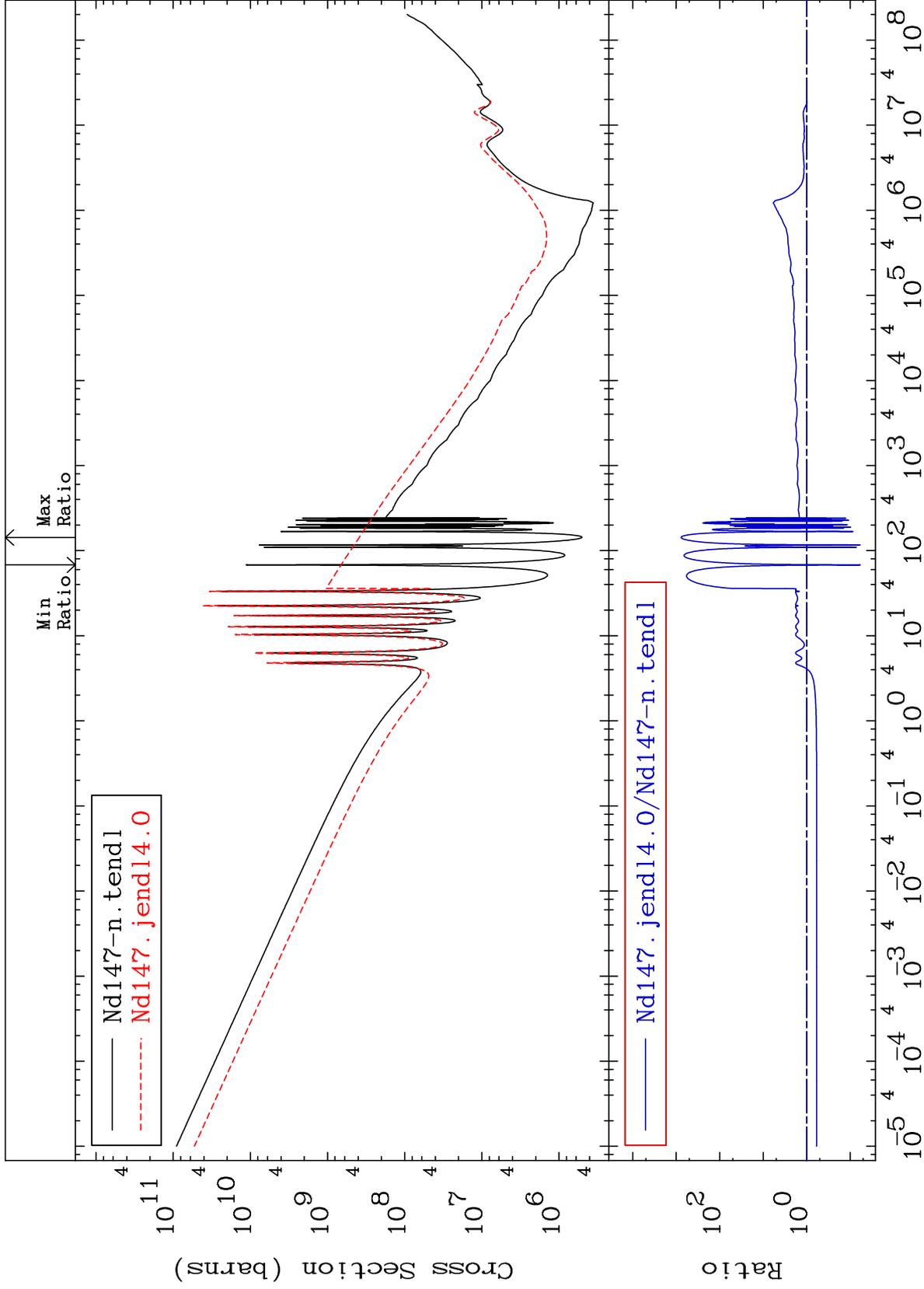
-94.14 To 9999. %



55

Incident Energy (eV)

60-Nd-147



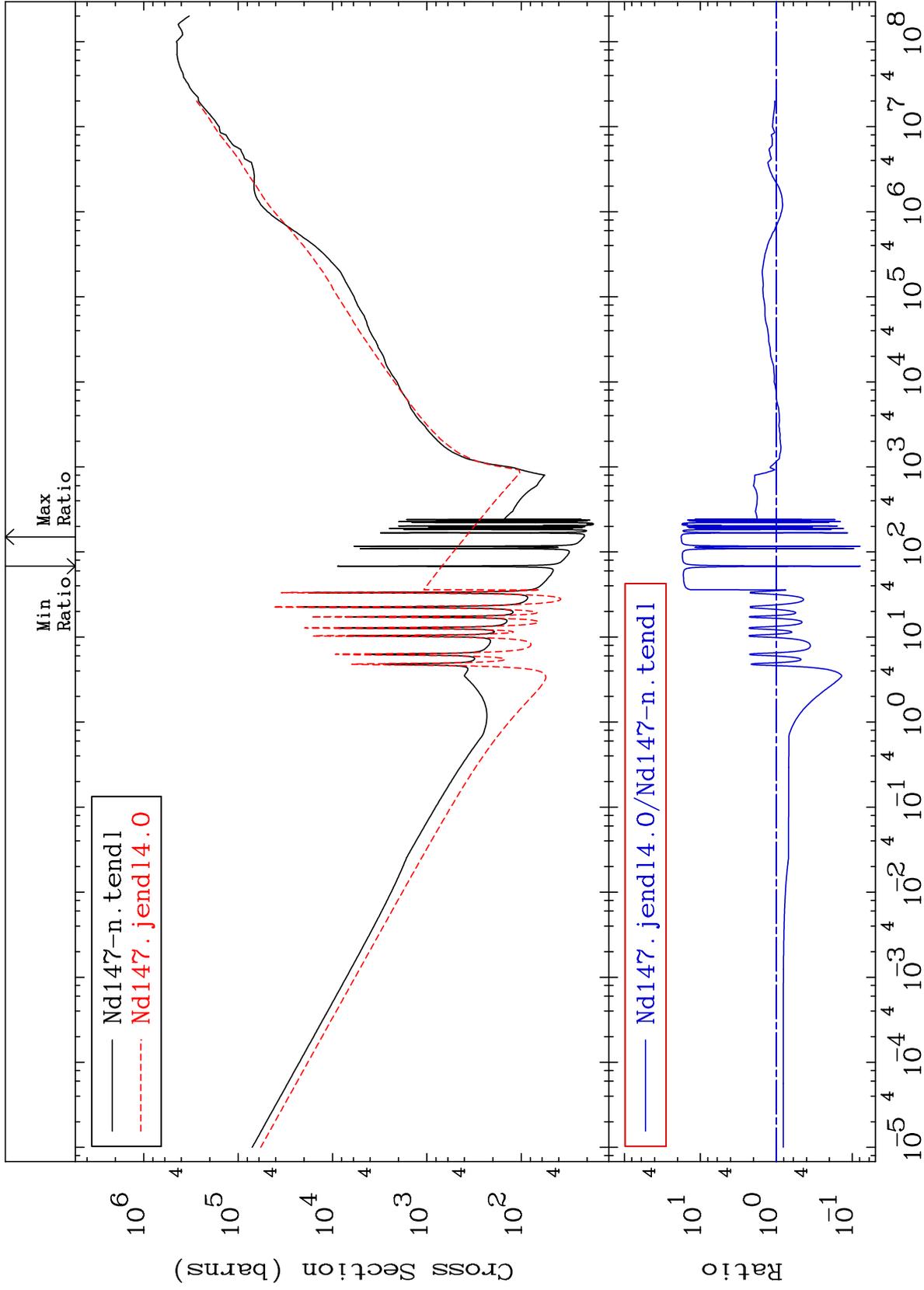
MAT 6040

Dpa total (eV-barns)

60-Nd-147

-92.13 To 1692. %

Cross Section



57

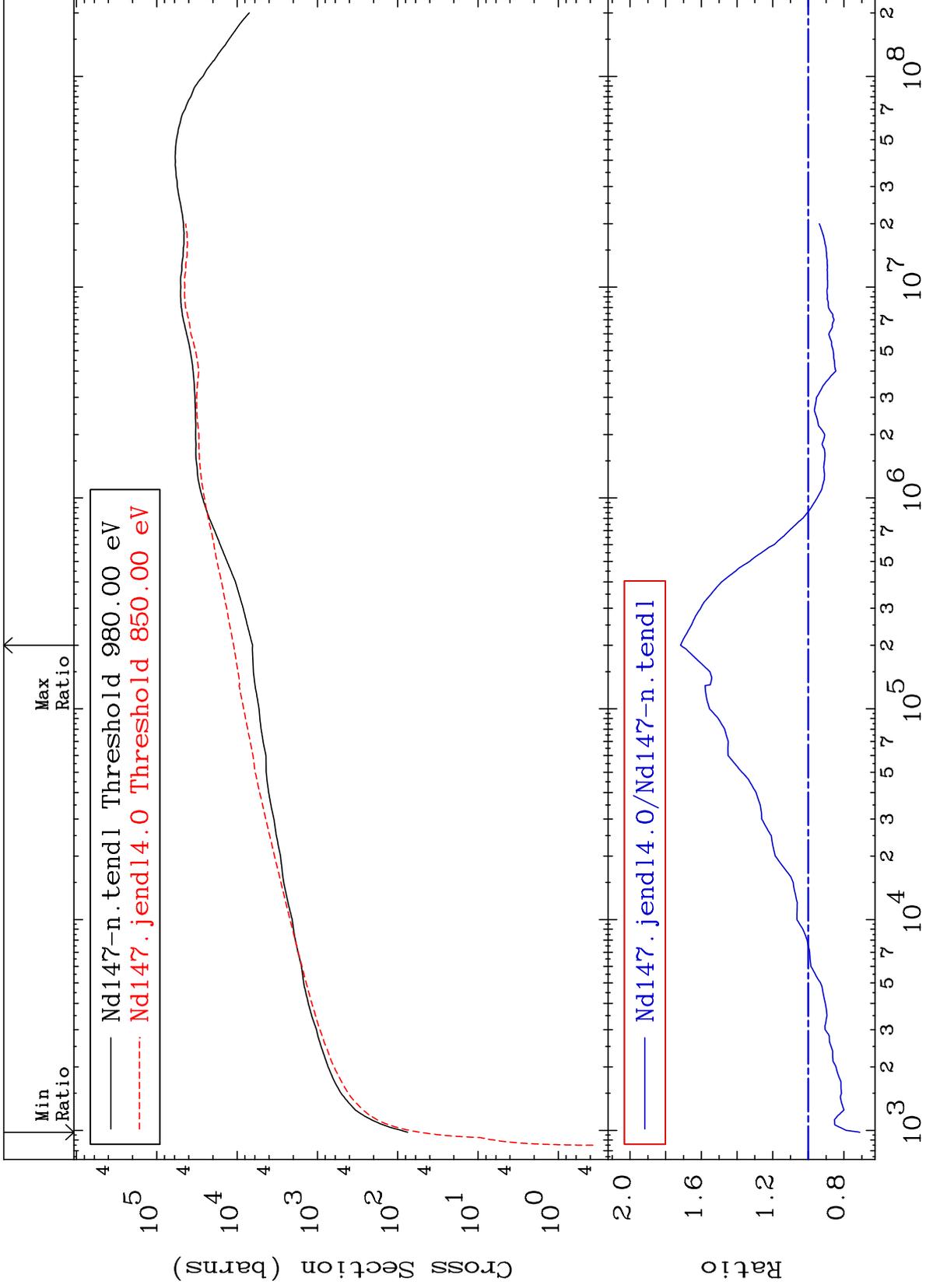
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa elastic (mt2)
Cross Section

60-Nd-147
-28.88 To 71.69 %



58

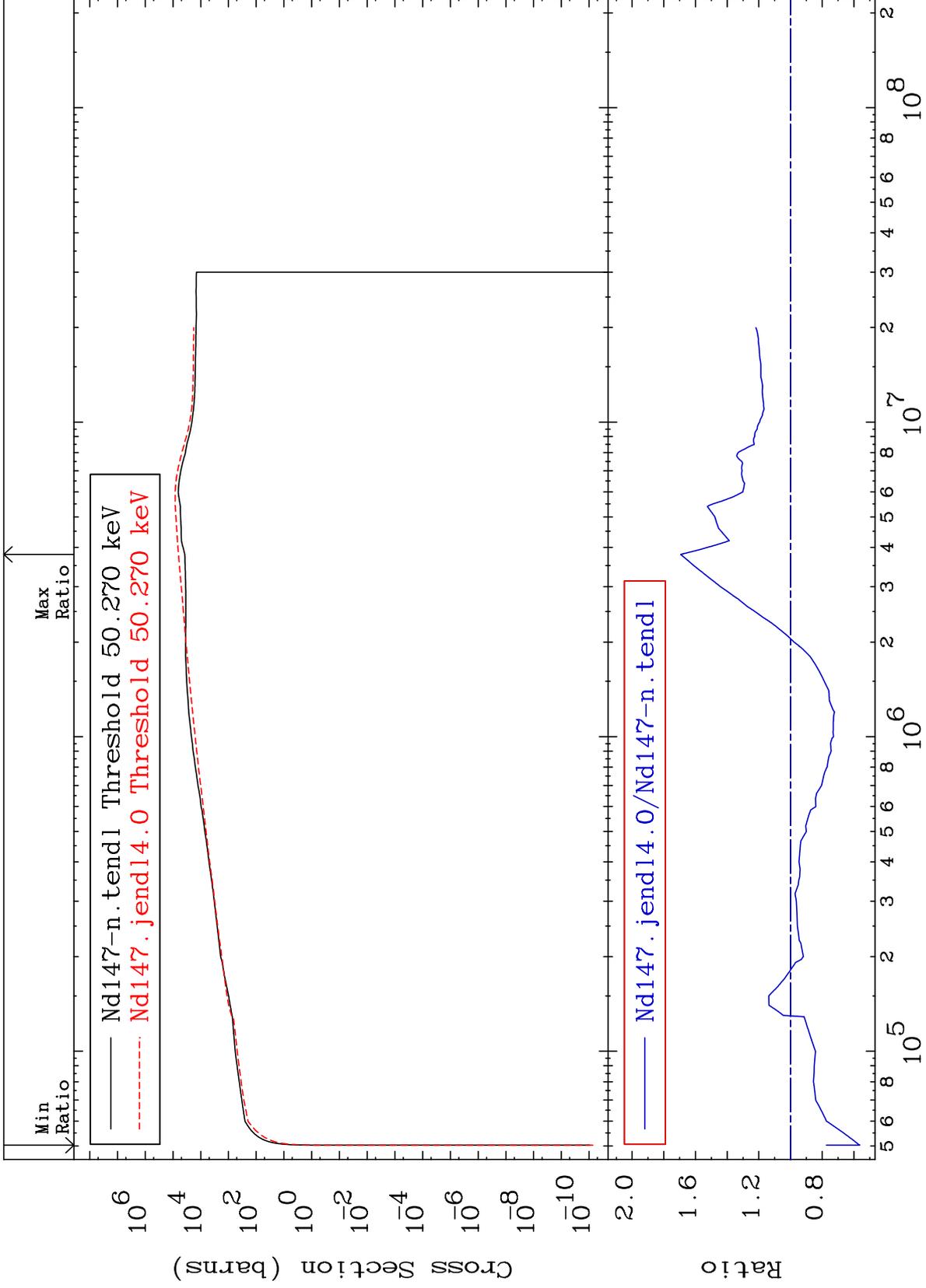
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa inelastic (mt51-91)
Cross Section

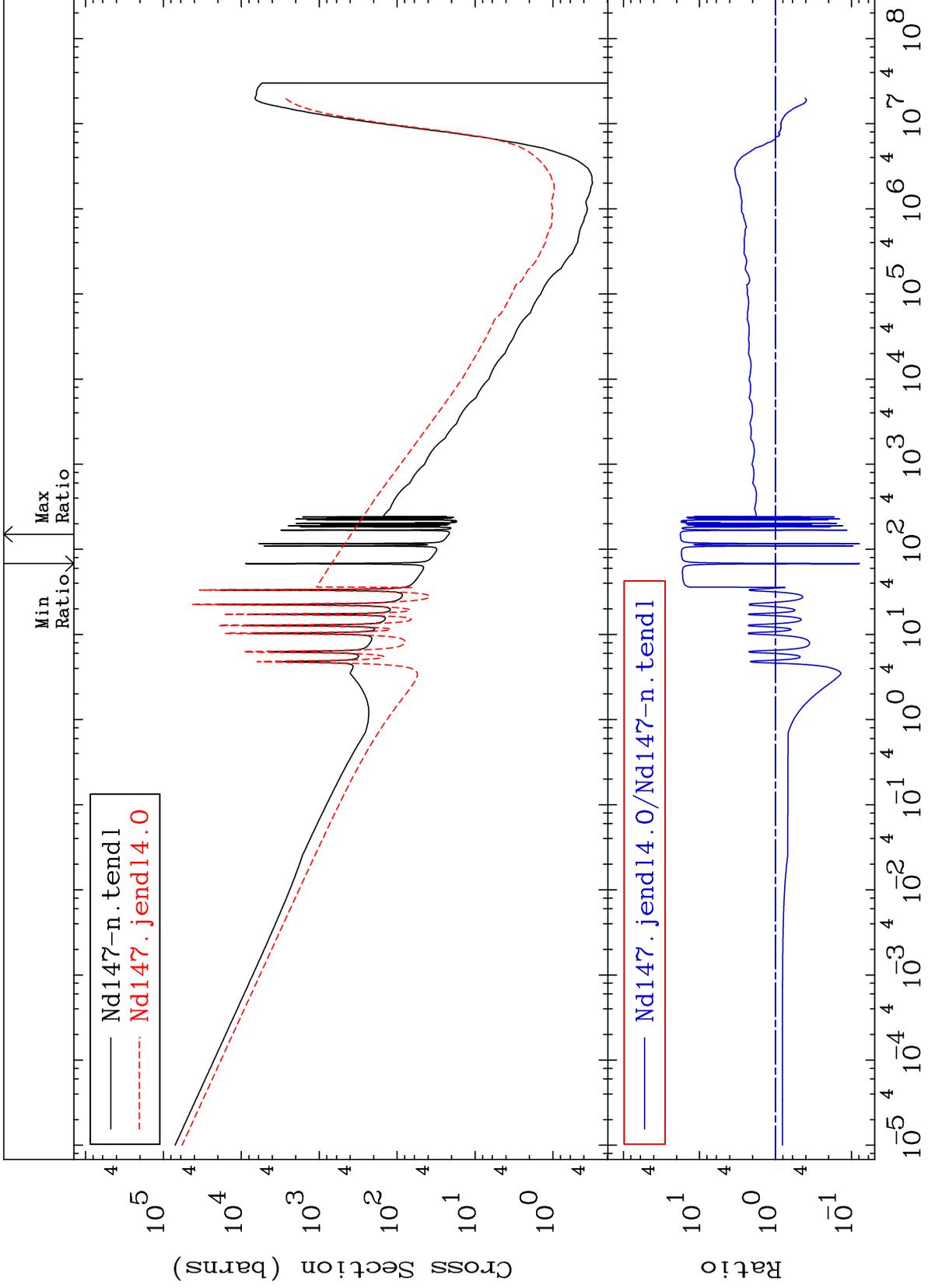
60-Nd-147
-43.74 To 69.46 %



MAT 6040

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-147
-92.13 To 1692. %



60

Incident Energy (eV)

60-Nd-147