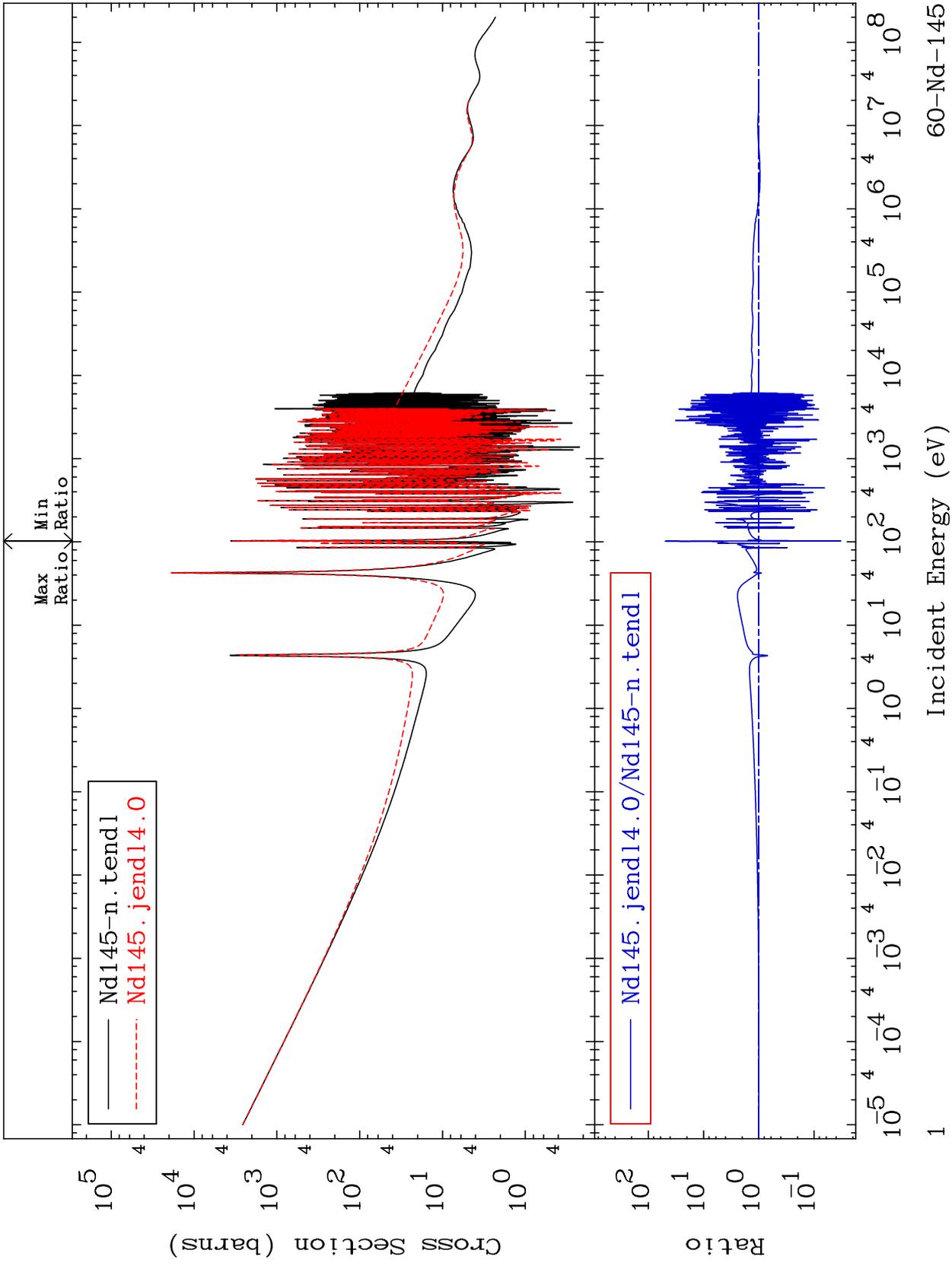


MAT 6034

Total
Cross Section

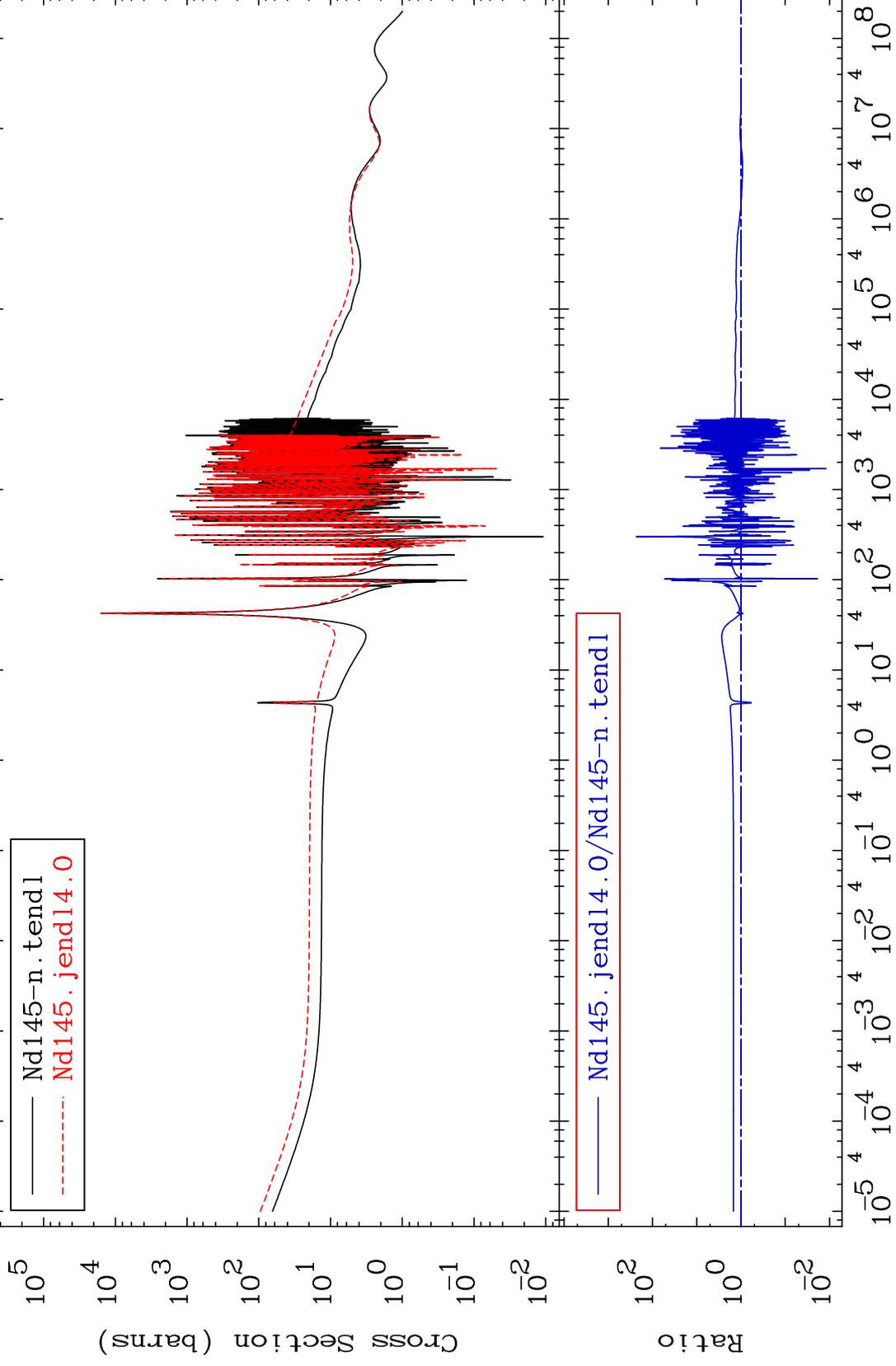
60-Nd-145
-96.71 To 4775. %



MAT 6034

Elastic
Cross Section

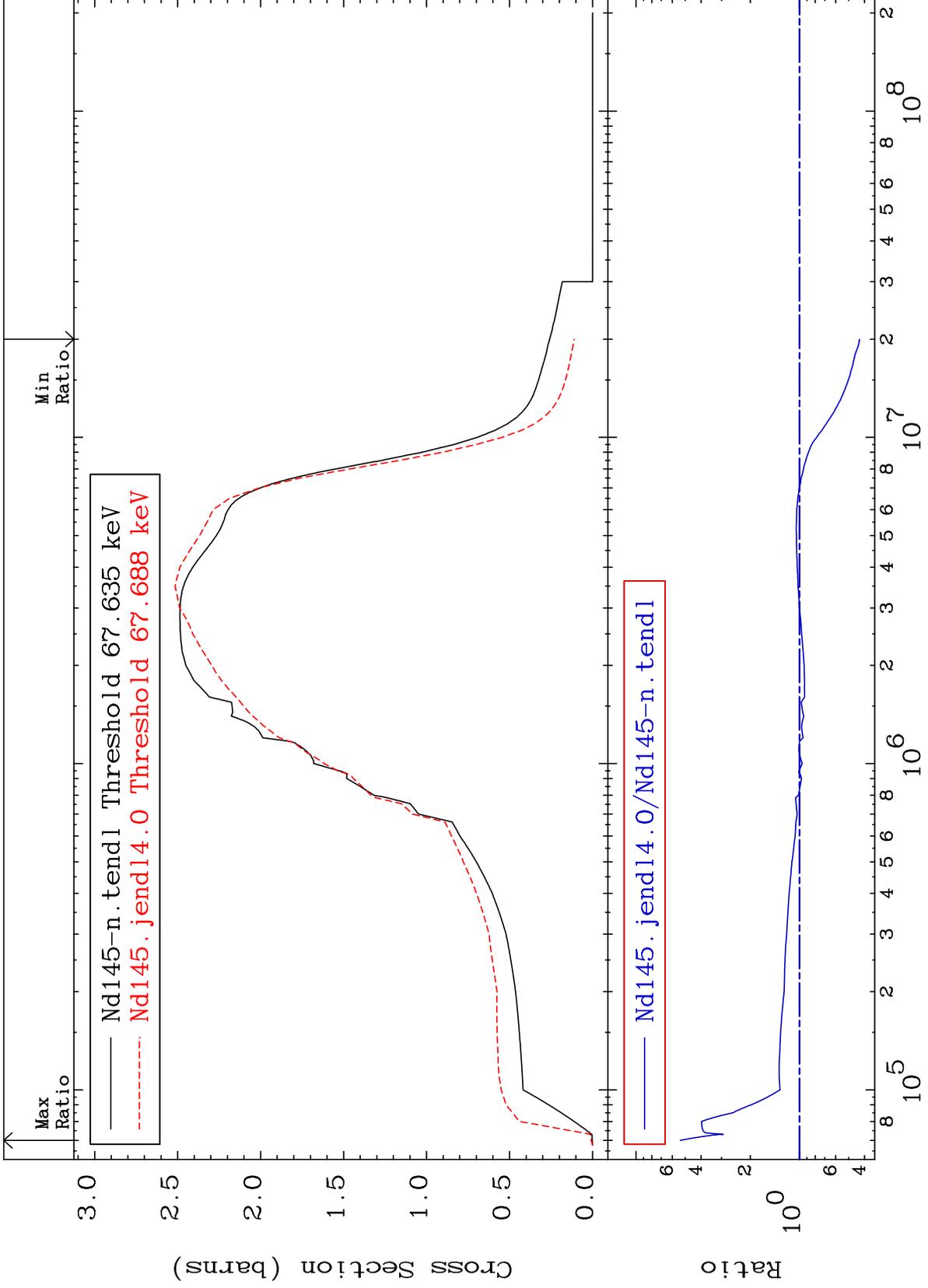
60-Nd-145
-98.79 To 9999. %



MAT 6034

Inelastic
Cross Section

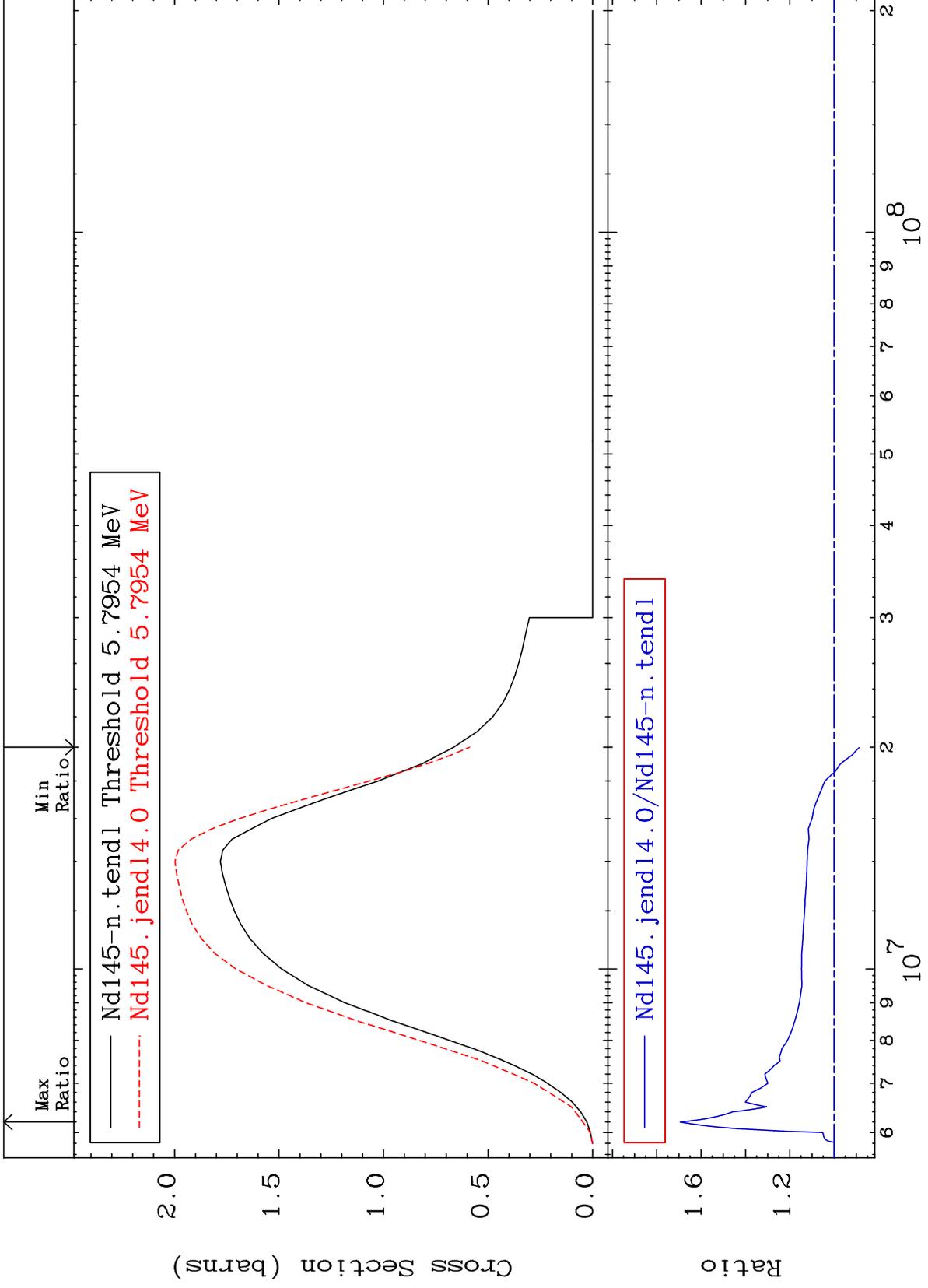
60-Nd-145
-57.03 To 435.6 %



MAT 6034

(n,2n)
Cross Section

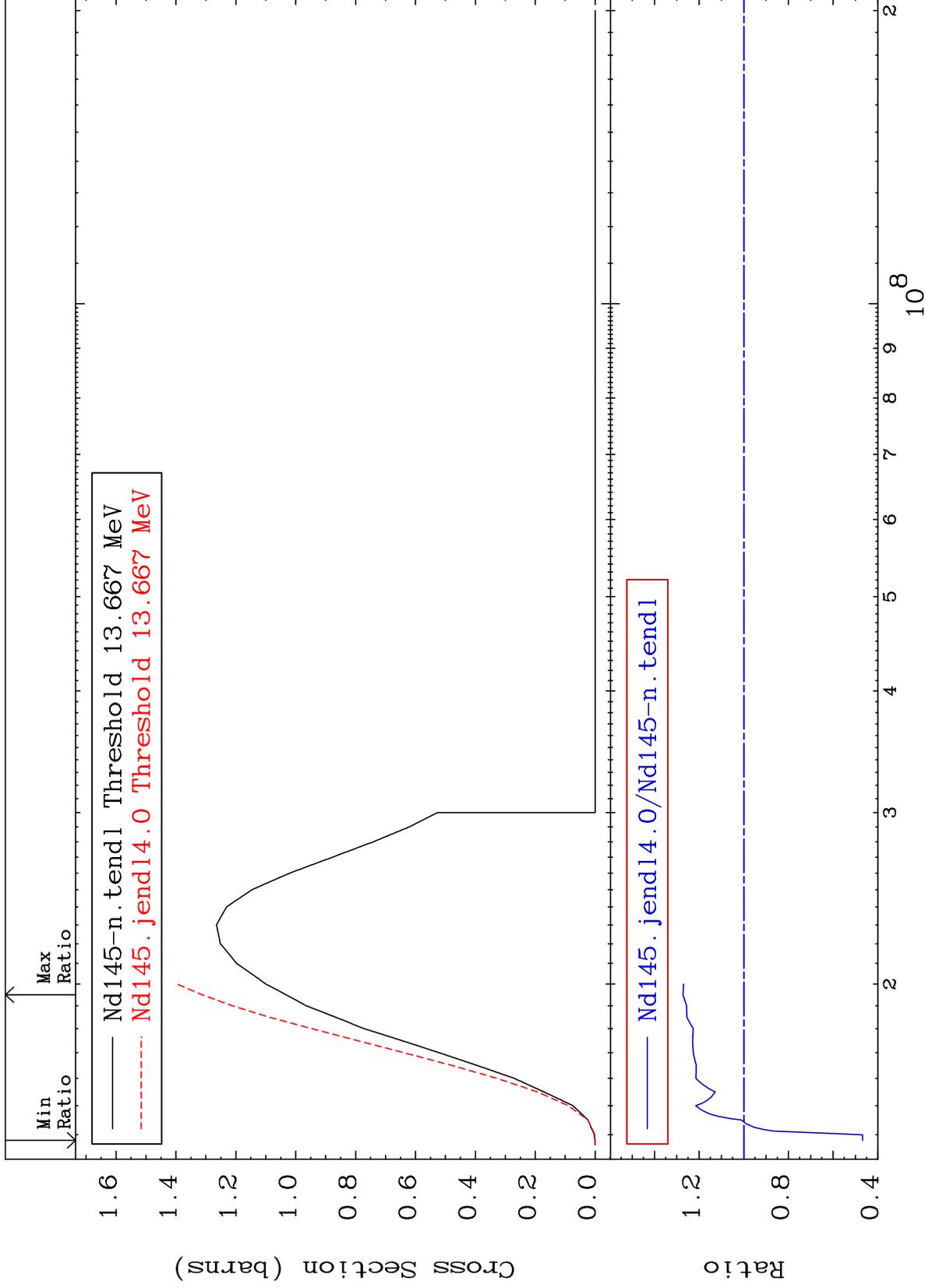
60-Nd-145
-11.37 To 69.39 %



MAT 6034

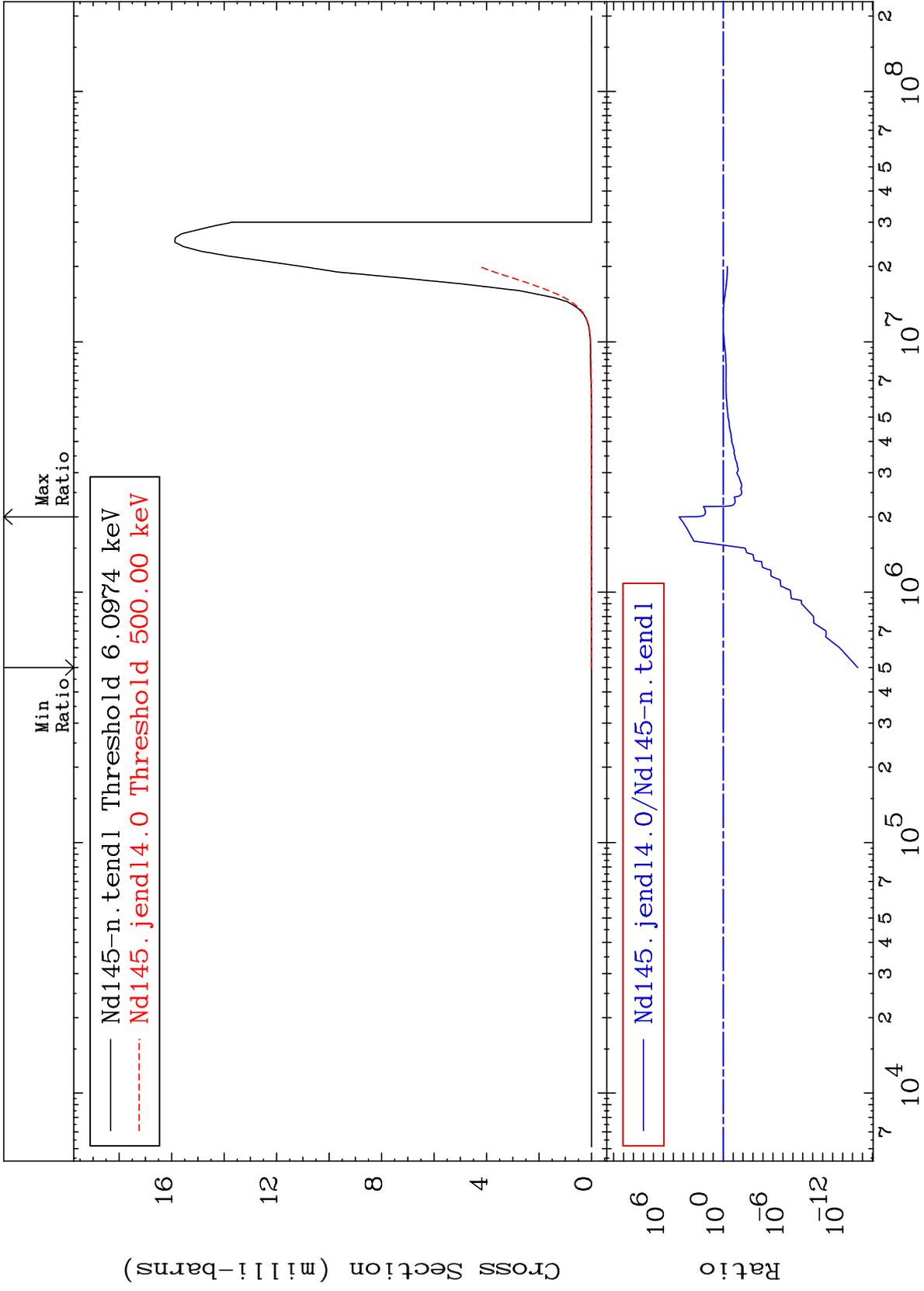
(n,3n)
Cross Section

60-Nd-145
-53.23 To 27.21 %



MAT 6034

$(n, n') \alpha$ Cross Section
60-Nd-145
-100.0 To 9999. %



6

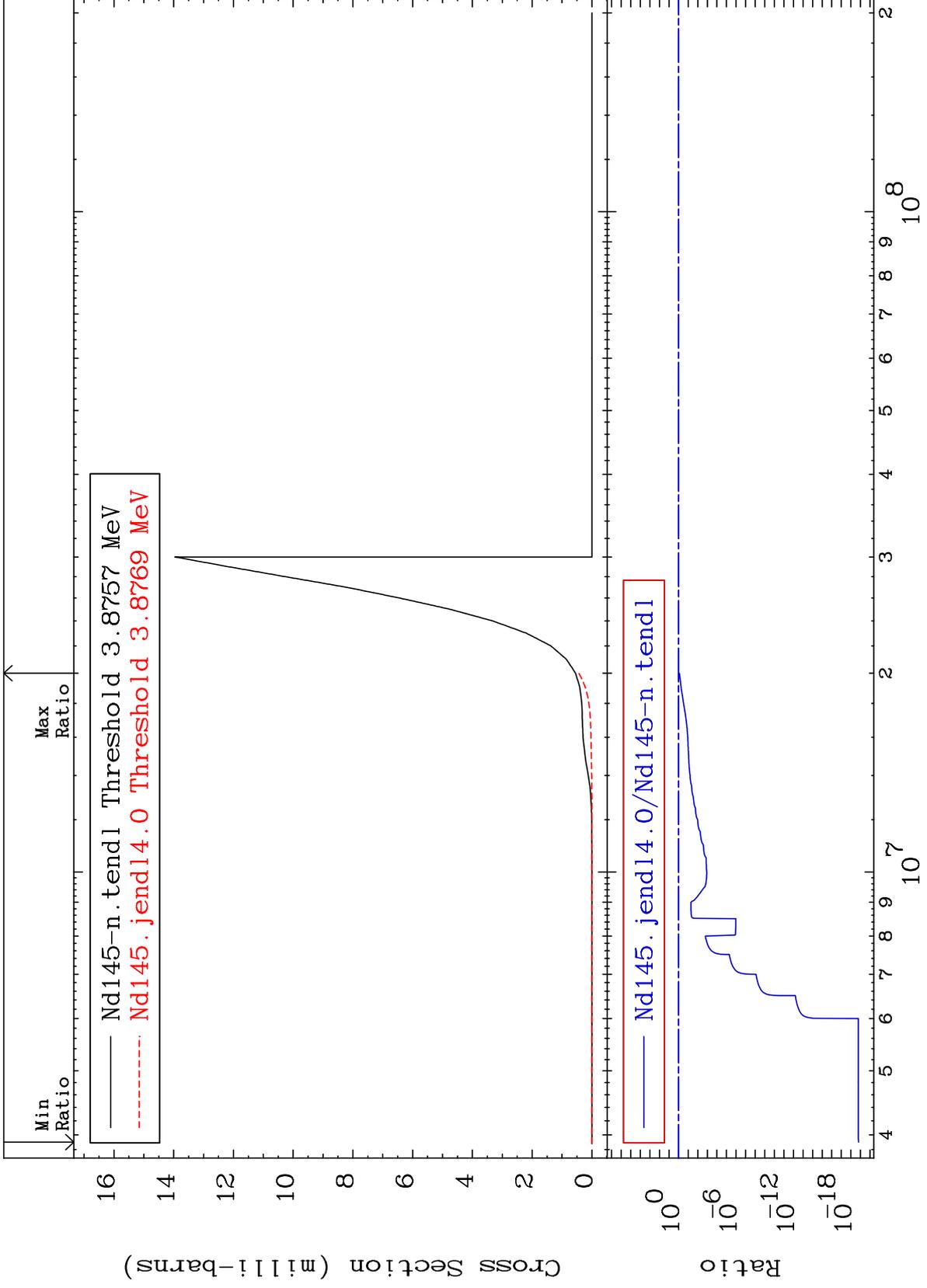
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,2n) α
Cross Section

60-Nd-145
-100.0 To -20.02%



7

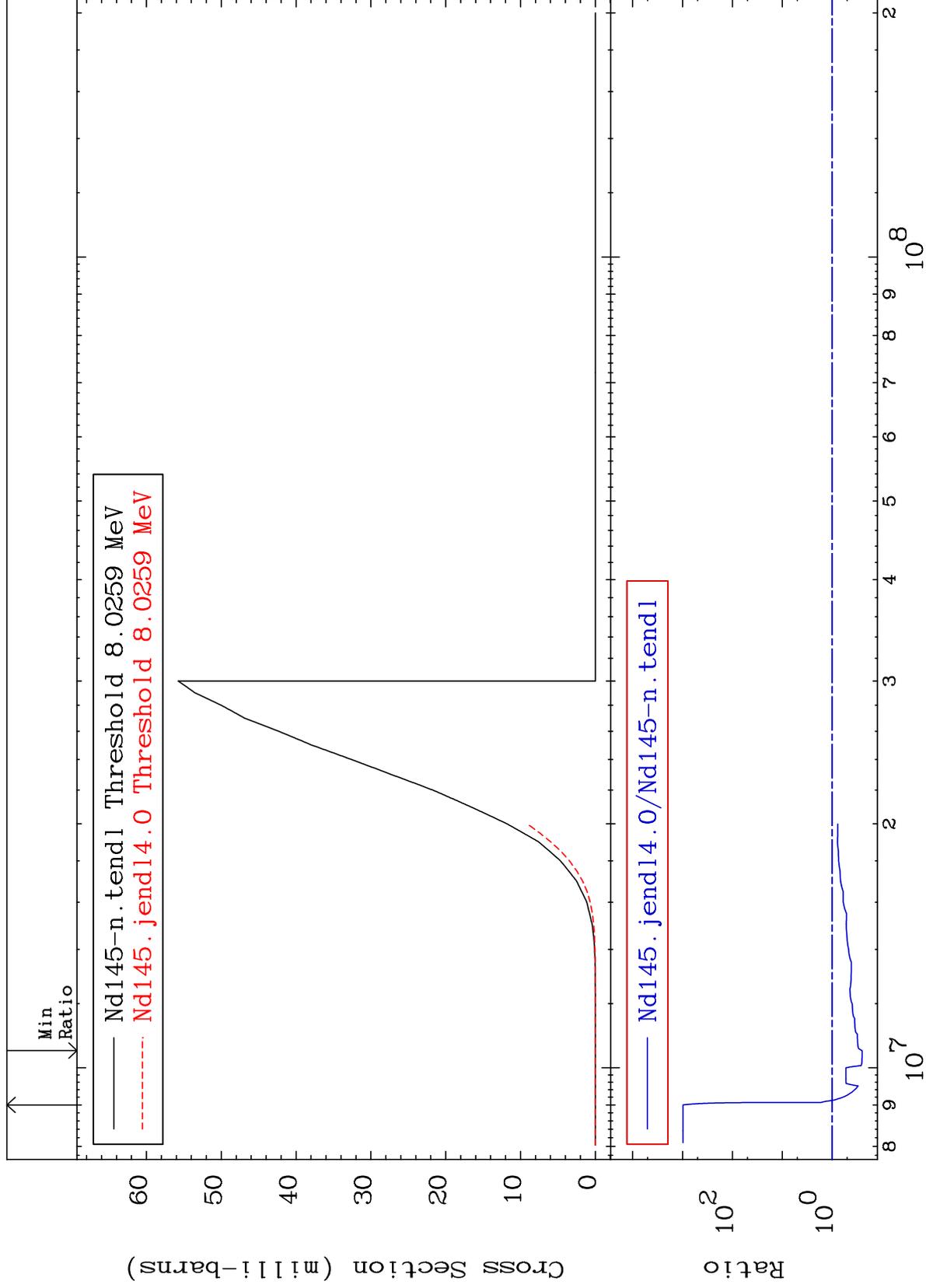
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,n') p
Cross Section

60-Nd-145
-74.91 To 9999. %



8

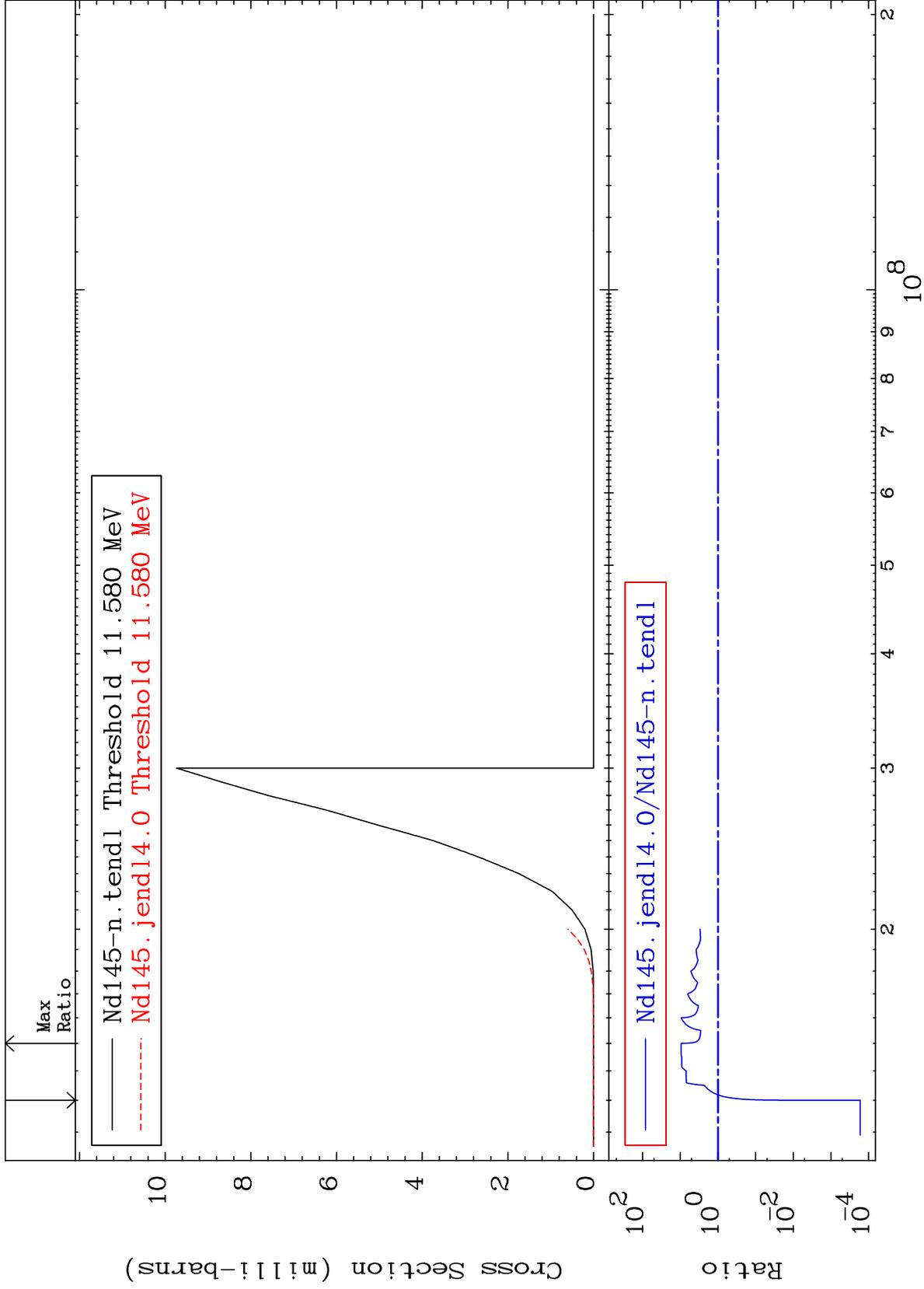
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, n') d
Cross Section

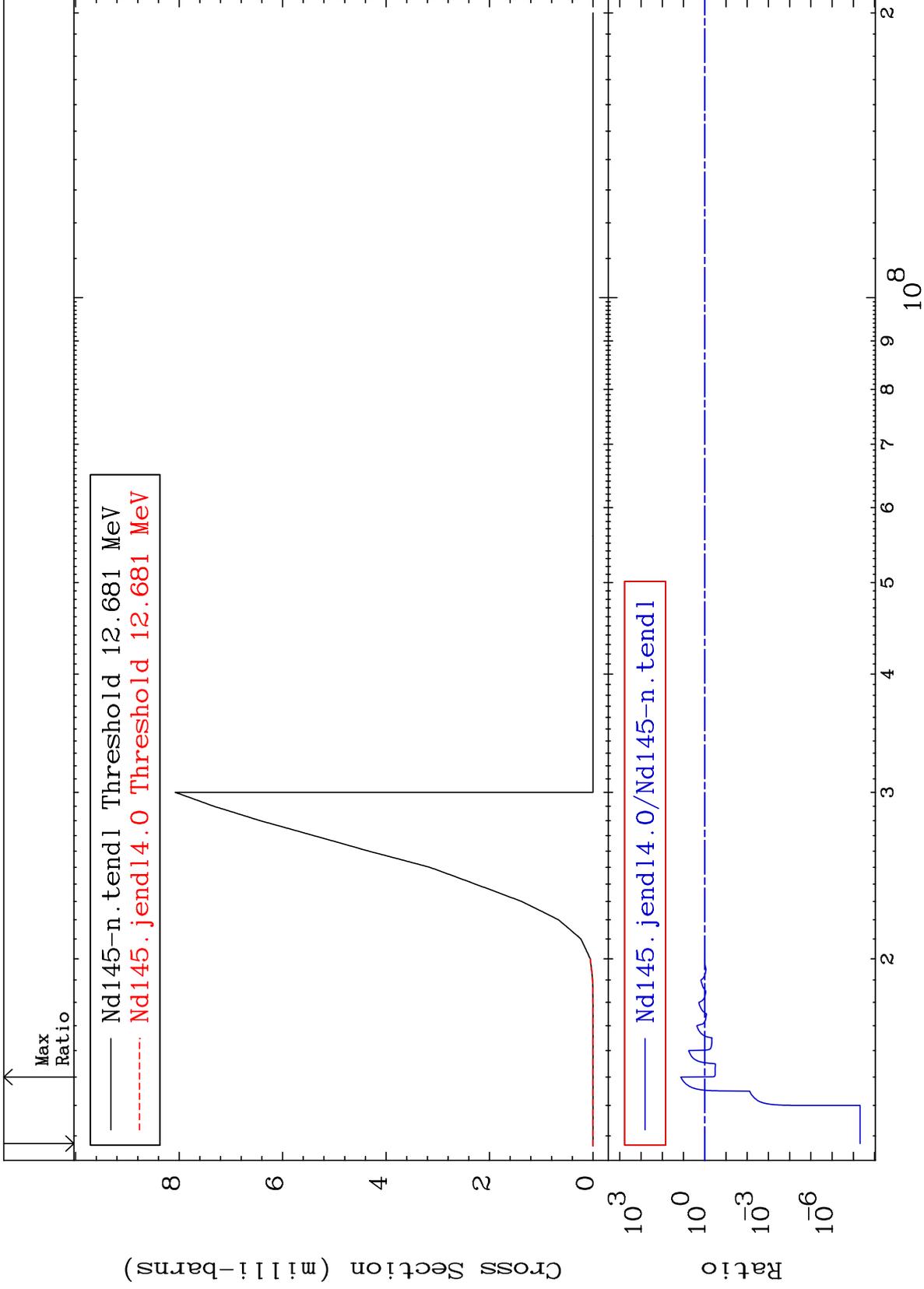
60-Nd-145
-99.98 To 847.1 %



MAT 6034

(n,n') t
Cross Section

60-Nd-145
-100.0 To 1246. %



10

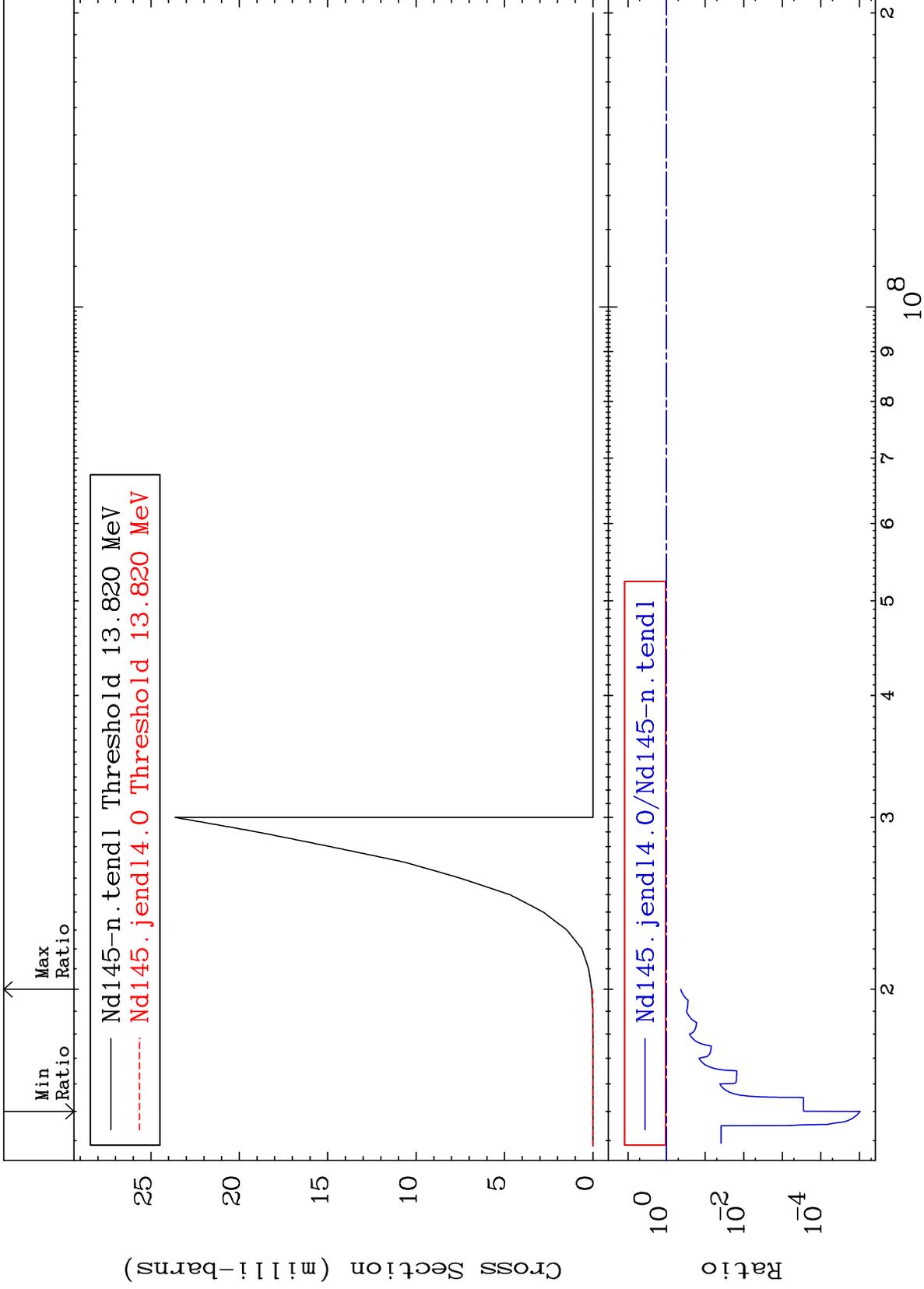
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,2n) p
Cross Section

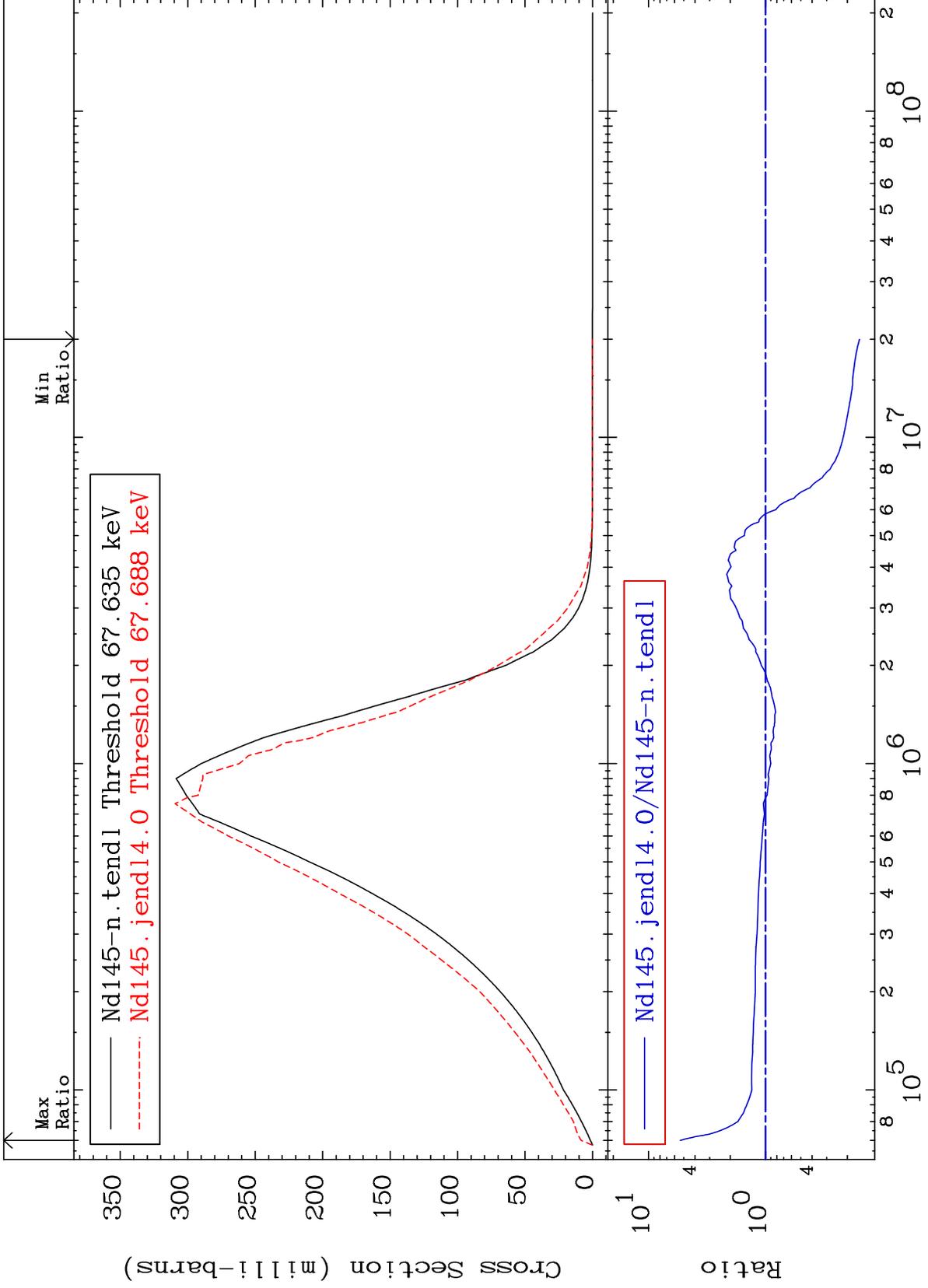
60-Nd-145
-100.0 To -57.10%



MAT 6034

67.17 keV (n,n') Level
Cross Section

60-Nd-145
-84.26 To 435.6 %



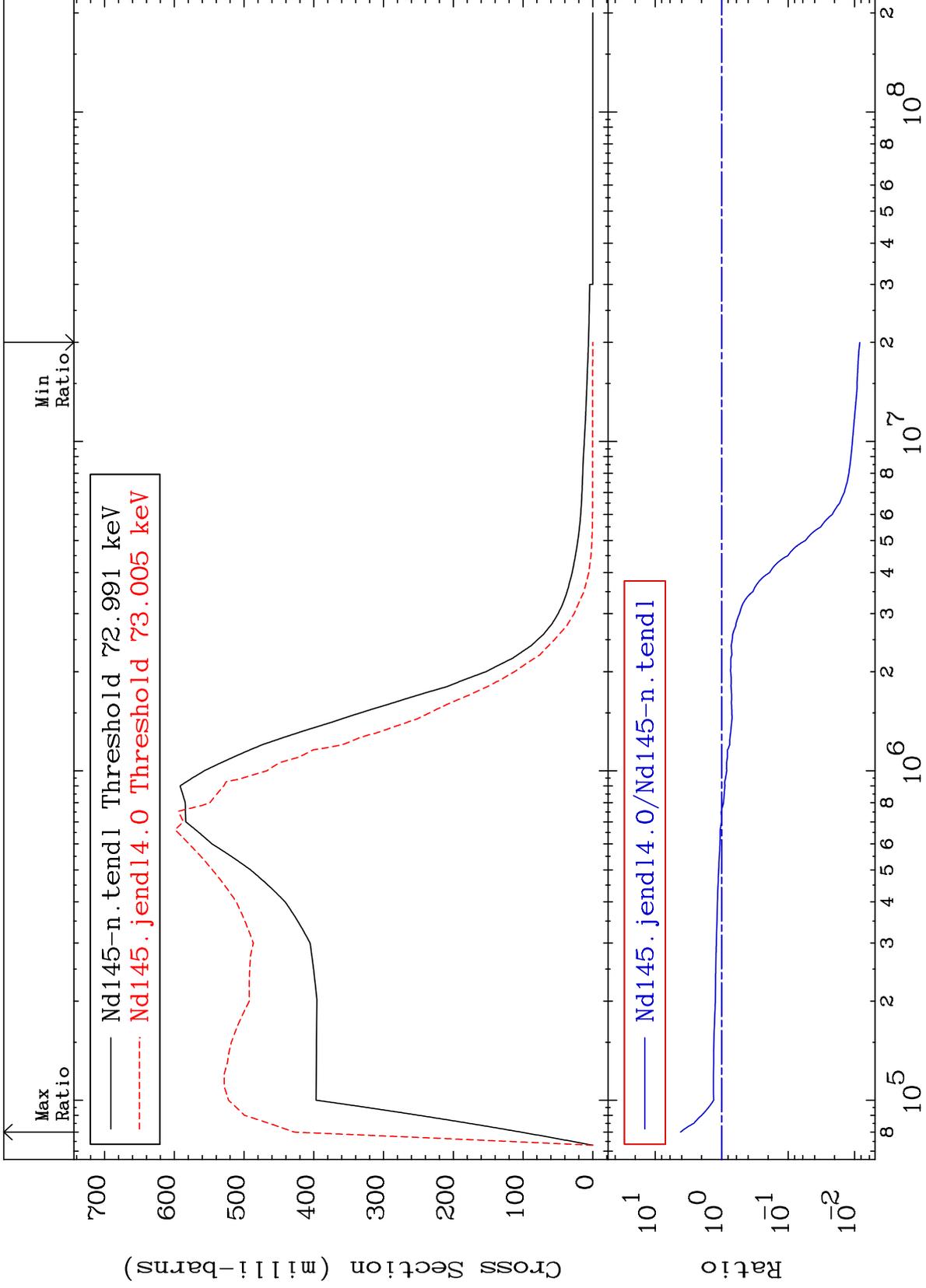
12

60-Nd-145

MAT 6034

72.49 keV (n,n') Level
Cross Section

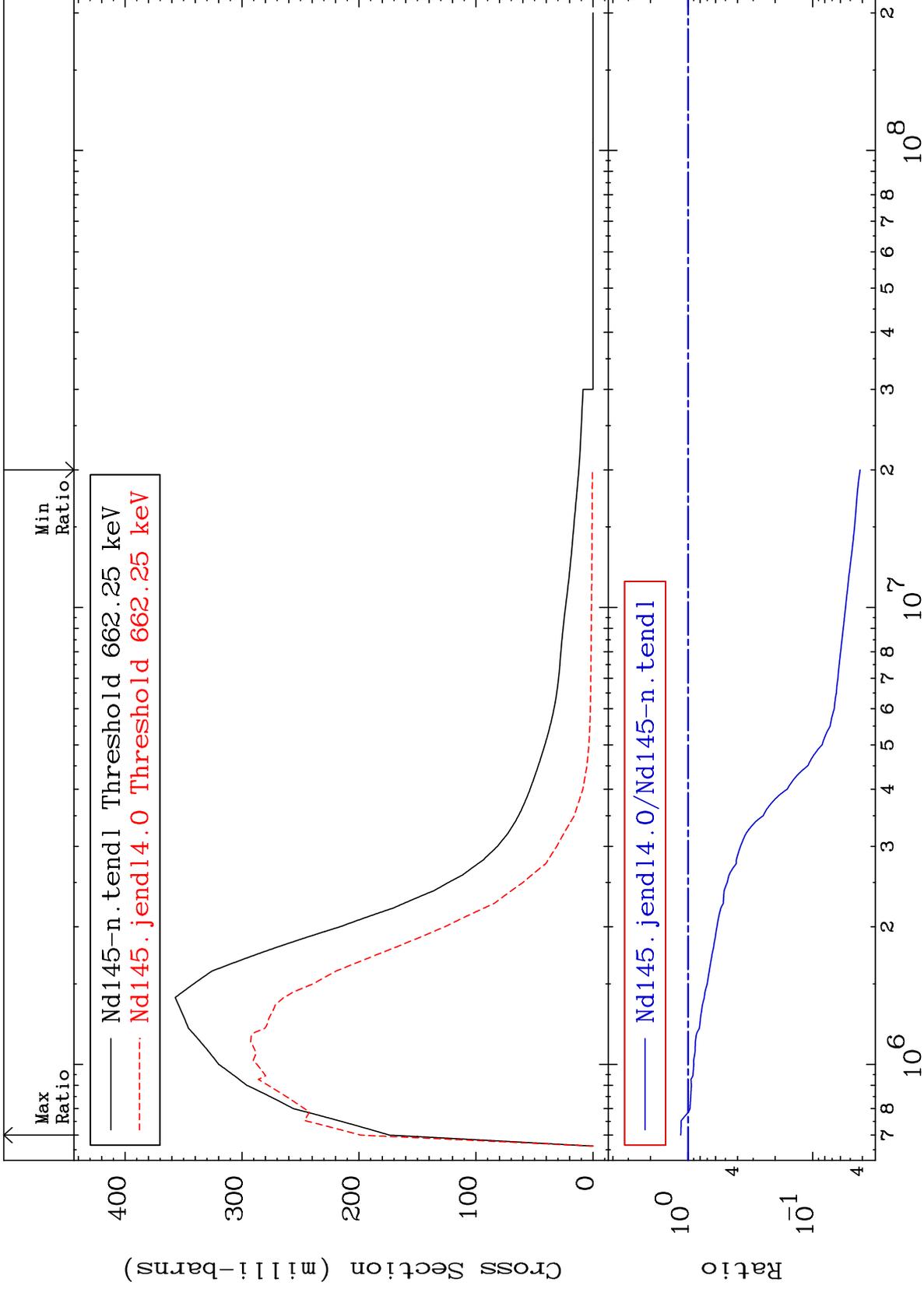
60-Nd-145
-99.16 To 315.8 %



MAT 6034

657.7 keV (n,n') Level
Cross Section

60-Nd-145
-95.83 To 14.16 %



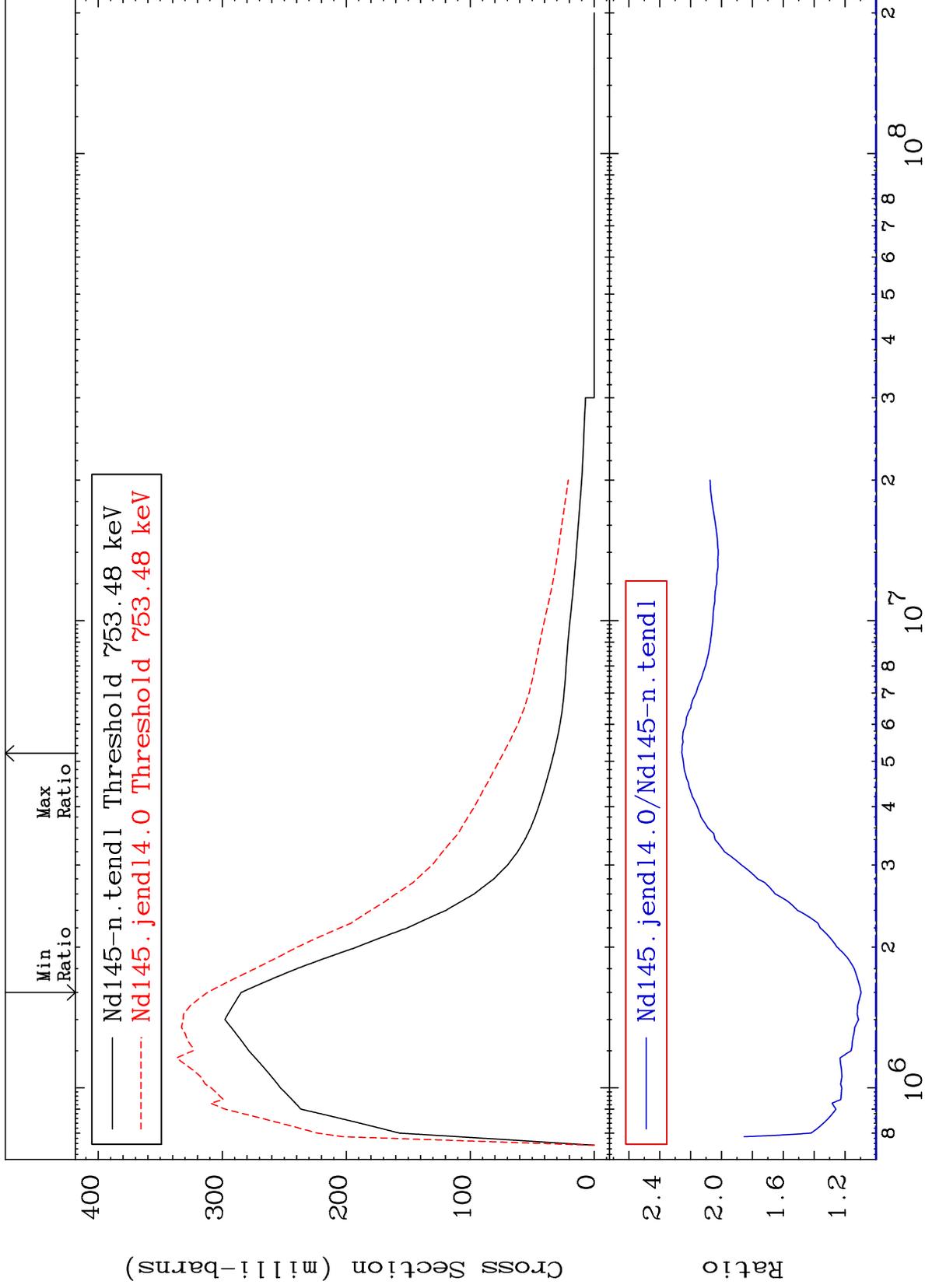
14

60-Nd-145

MAT 6034

748.3 keV (n,n') Level
Cross Section

60-Nd-145
9.558 To 125.6 %

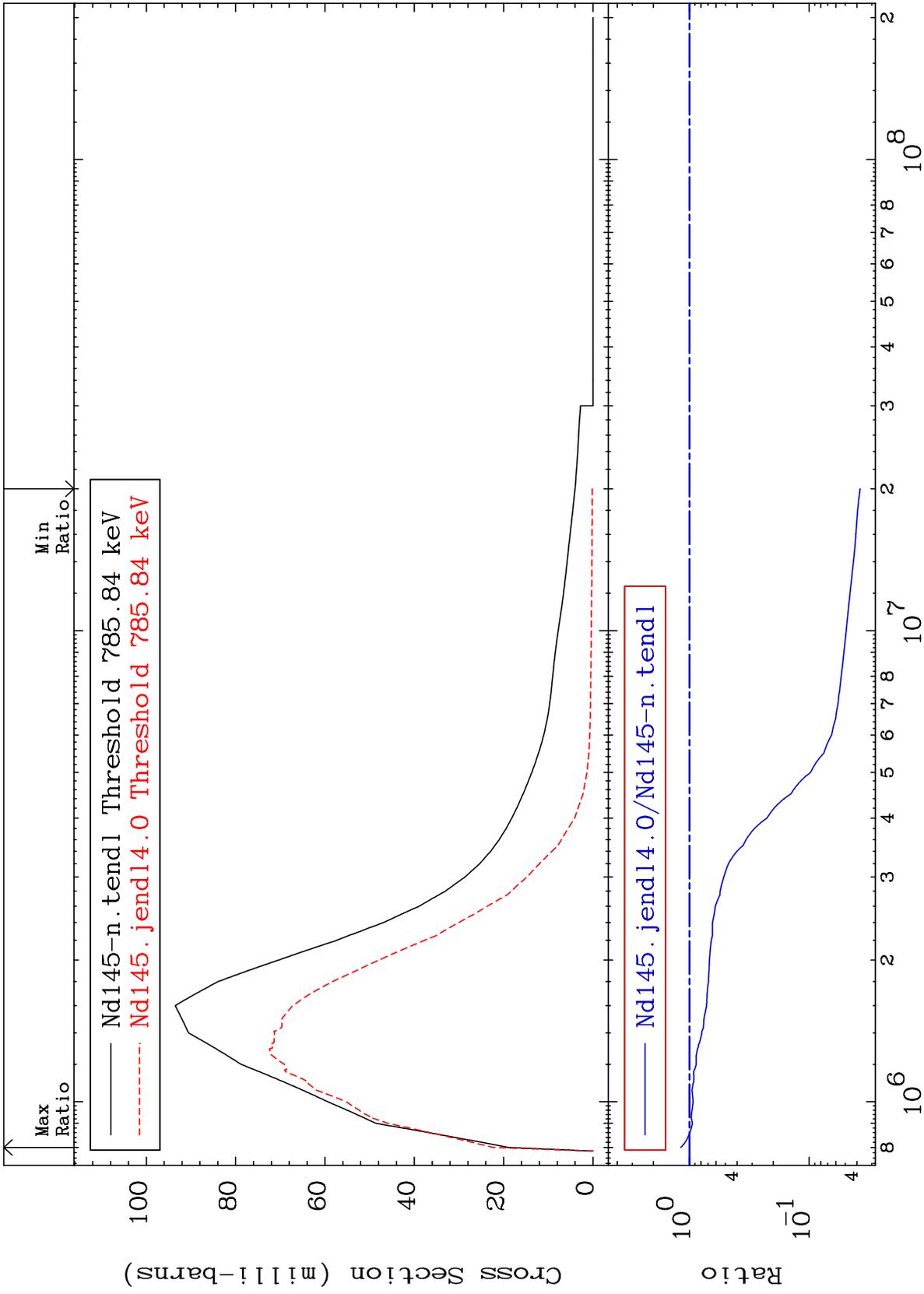


15

MAT 6034

780.4 keV (n,n') Level
Cross Section

60-Nd-145
-96.24 To 18.15 %



16

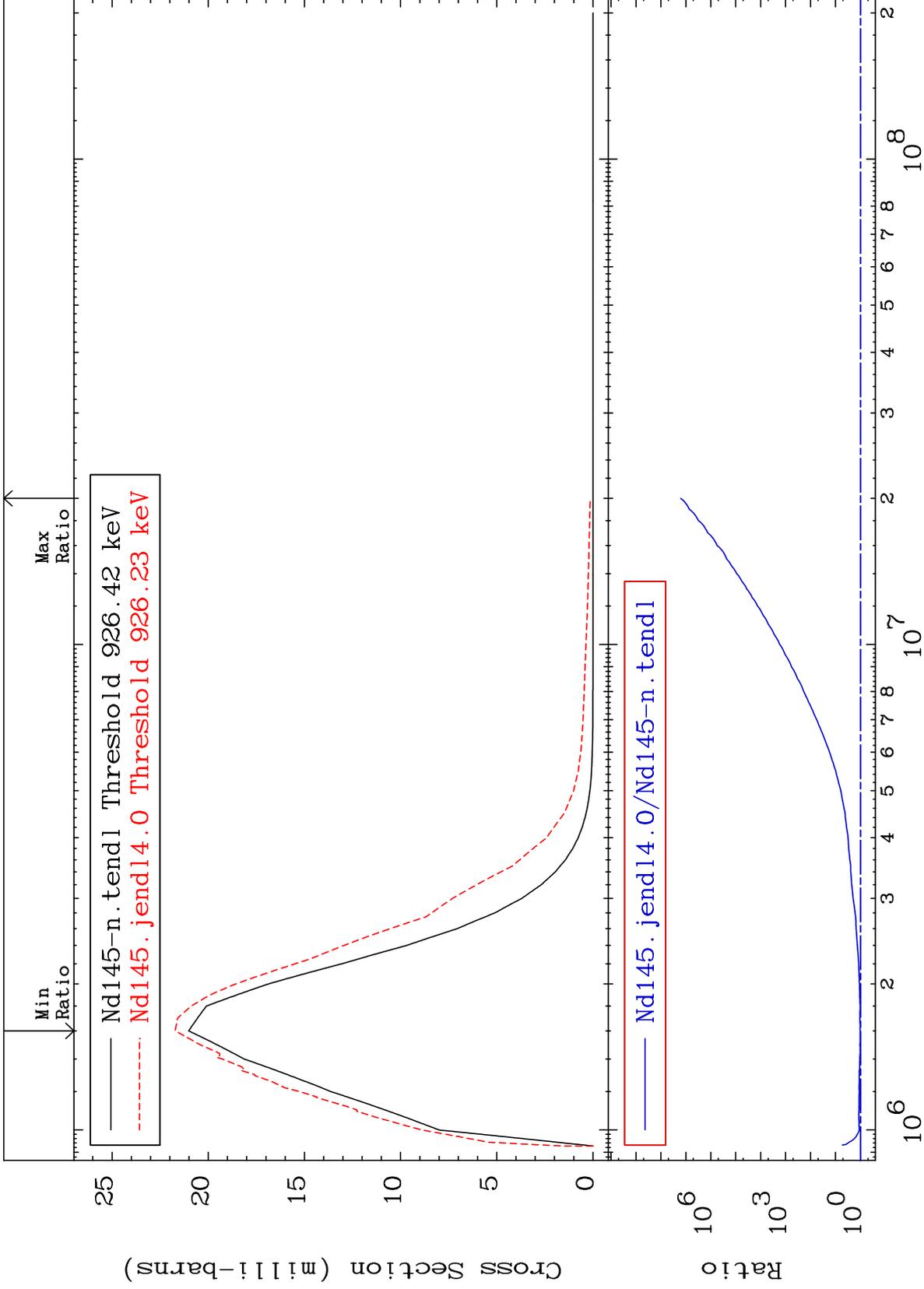
Incident Energy (eV)

60-Nd-145

MAT 6034

920.0 keV (n,n') Level
Cross Section

60-Nd-145
3.344 To 9999. %



17

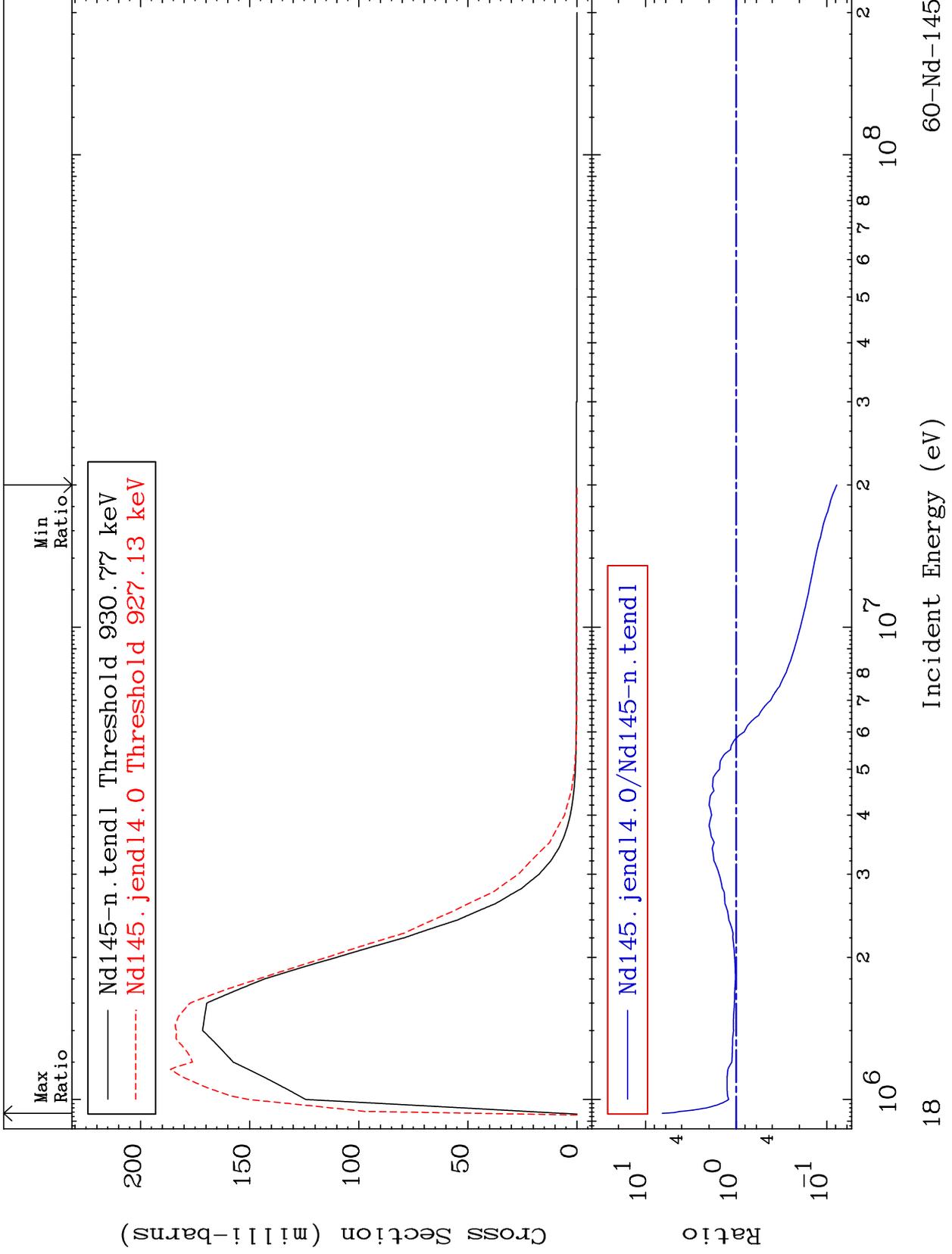
Incident Energy (eV)

60-Nd-145

MAT 6034

924.3 keV (n,n') Level
Cross Section

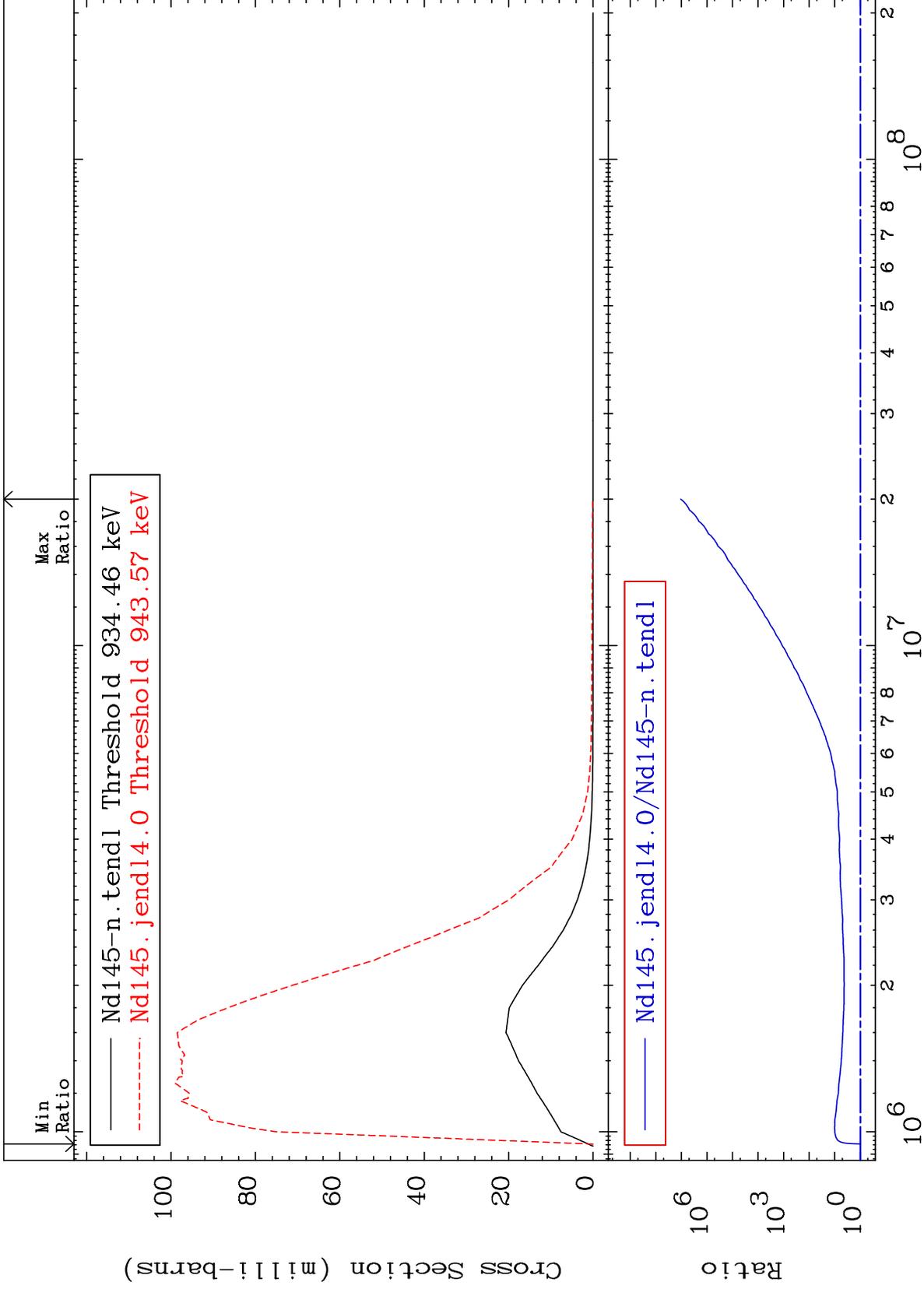
60-Nd-145
-92.25 To 554.2 %



MAT 6034

928.0 keV (n,n') Level
Cross Section

60-Nd-145
1.218 To 9999. %



19

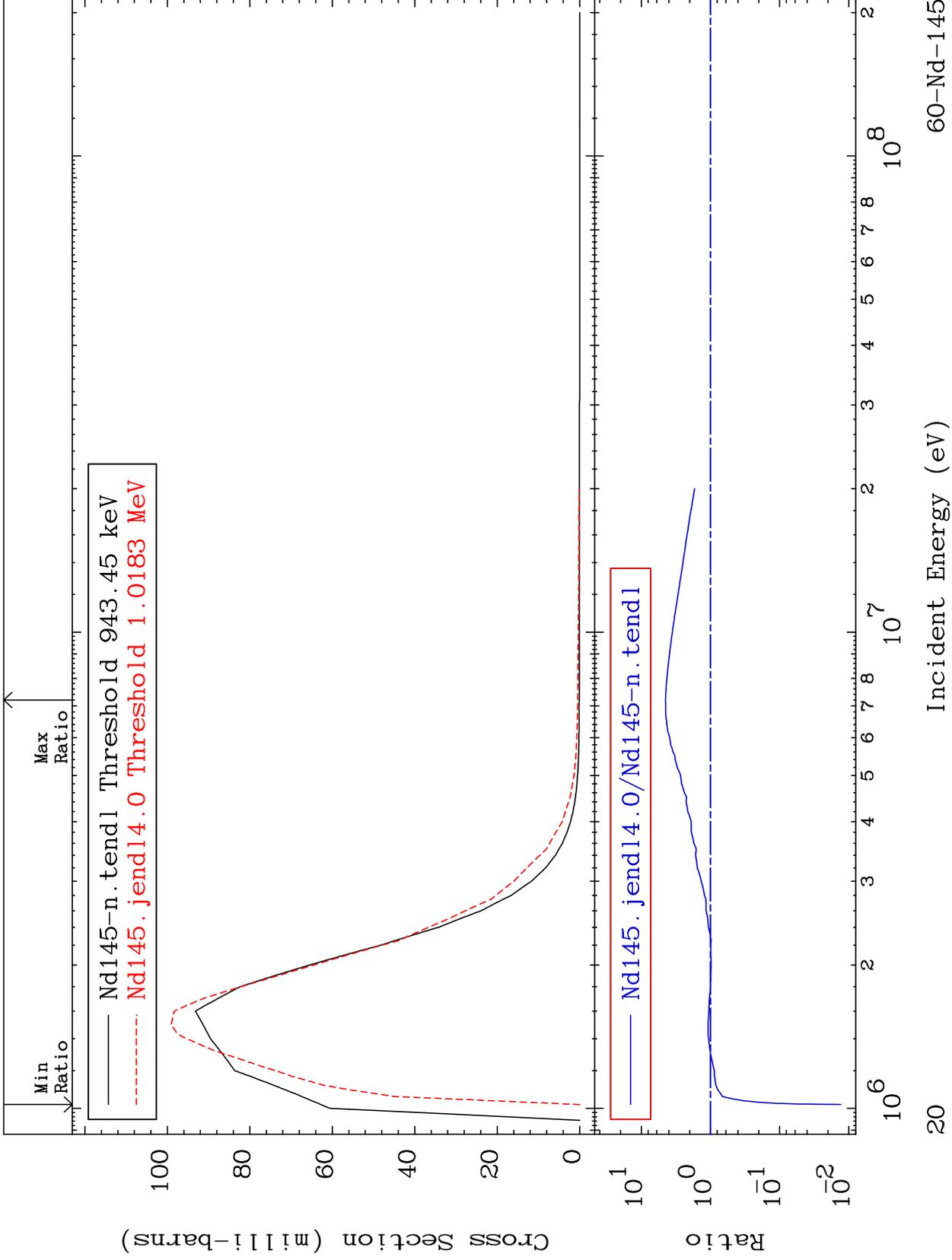
Incident Energy (eV)

60-Nd-145

MAT 6034

936.9 keV (n,n') Level
Cross Section

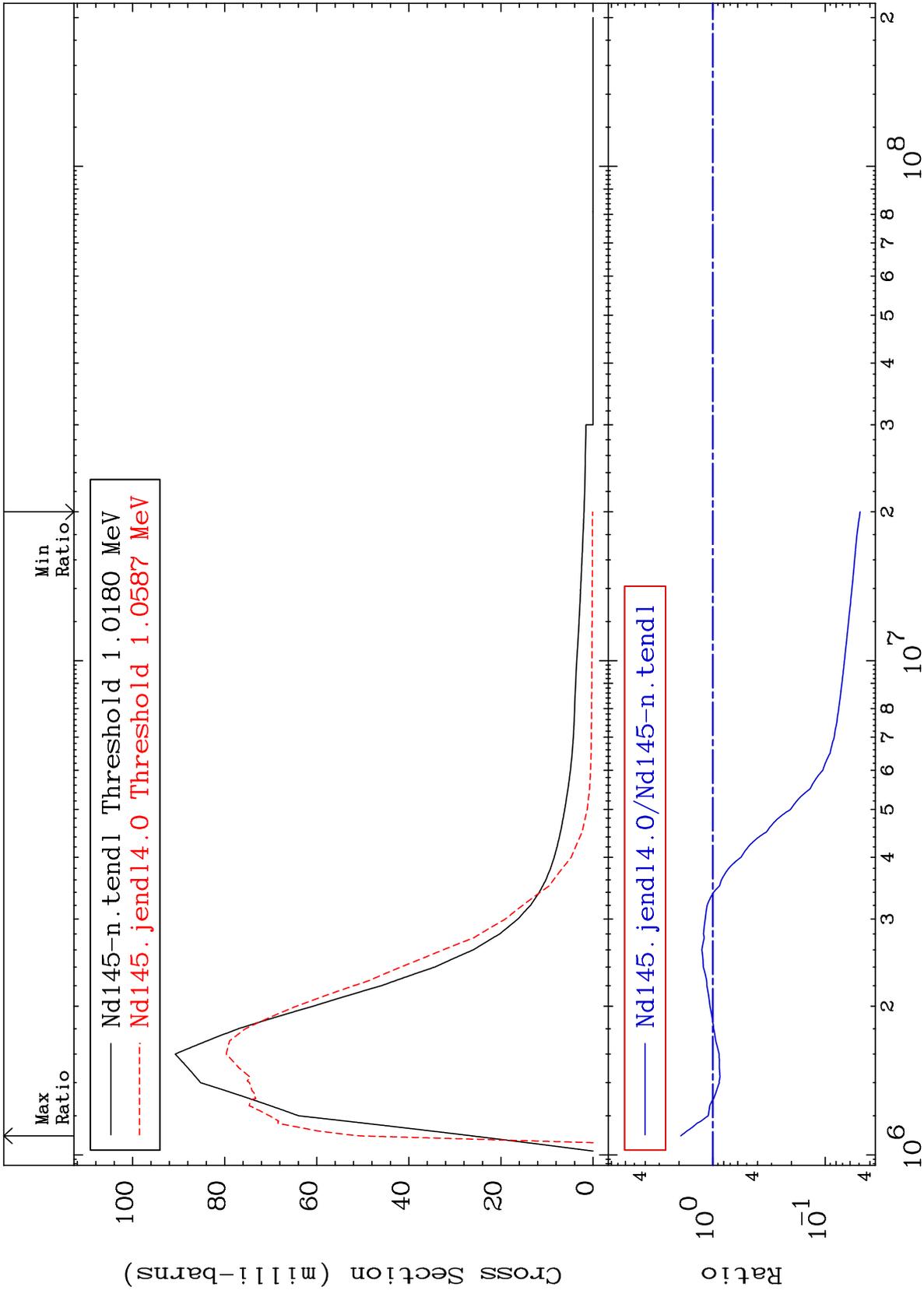
60-Nd-145
-98.69 To 347.0 %



MAT 6034

1.011 MeV (n,n') Level
Cross Section

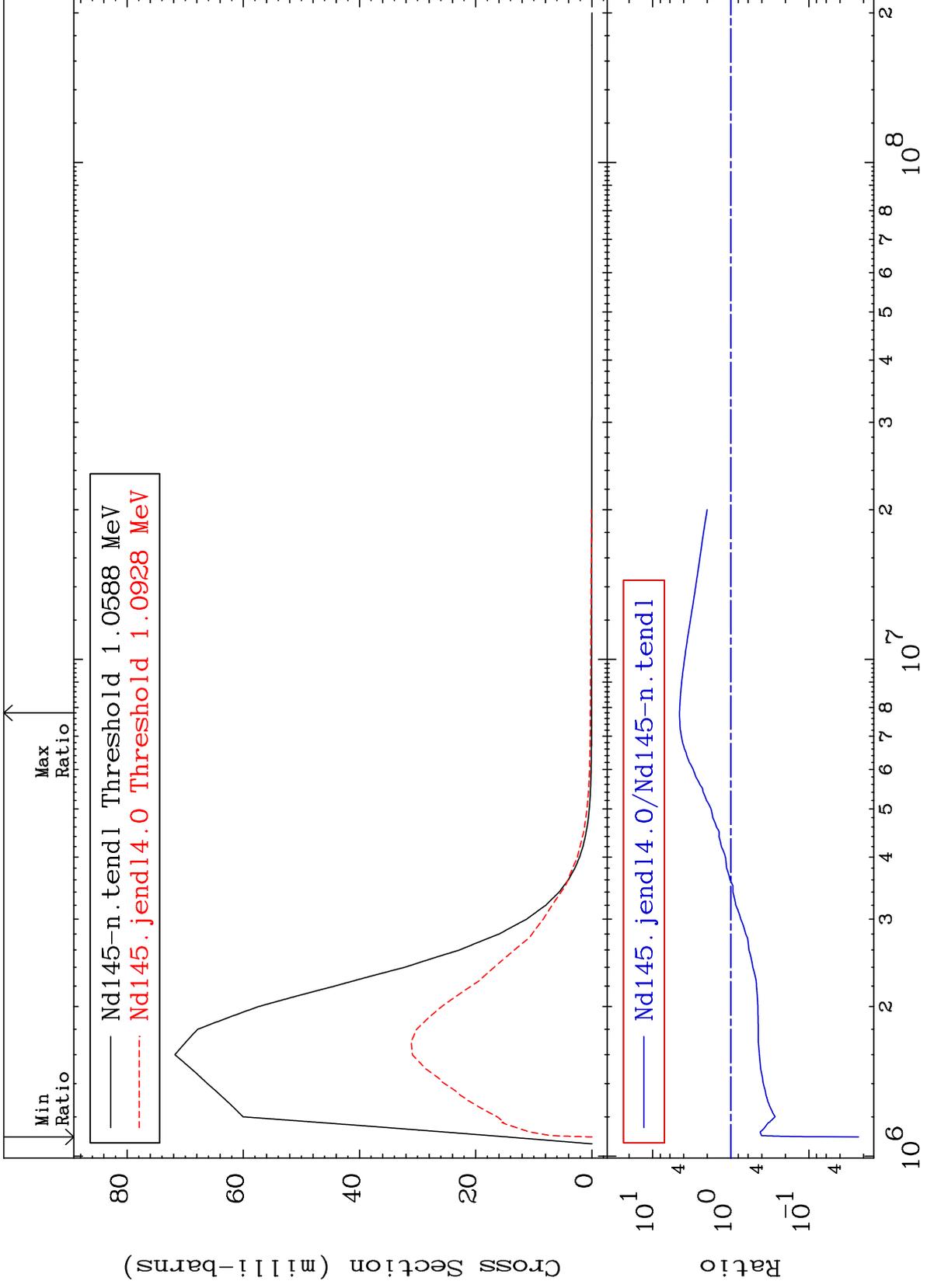
60-Nd-145
-95.11 To 92.87 %



MAT 6034

1.051 MeV (n,n') Level
Cross Section

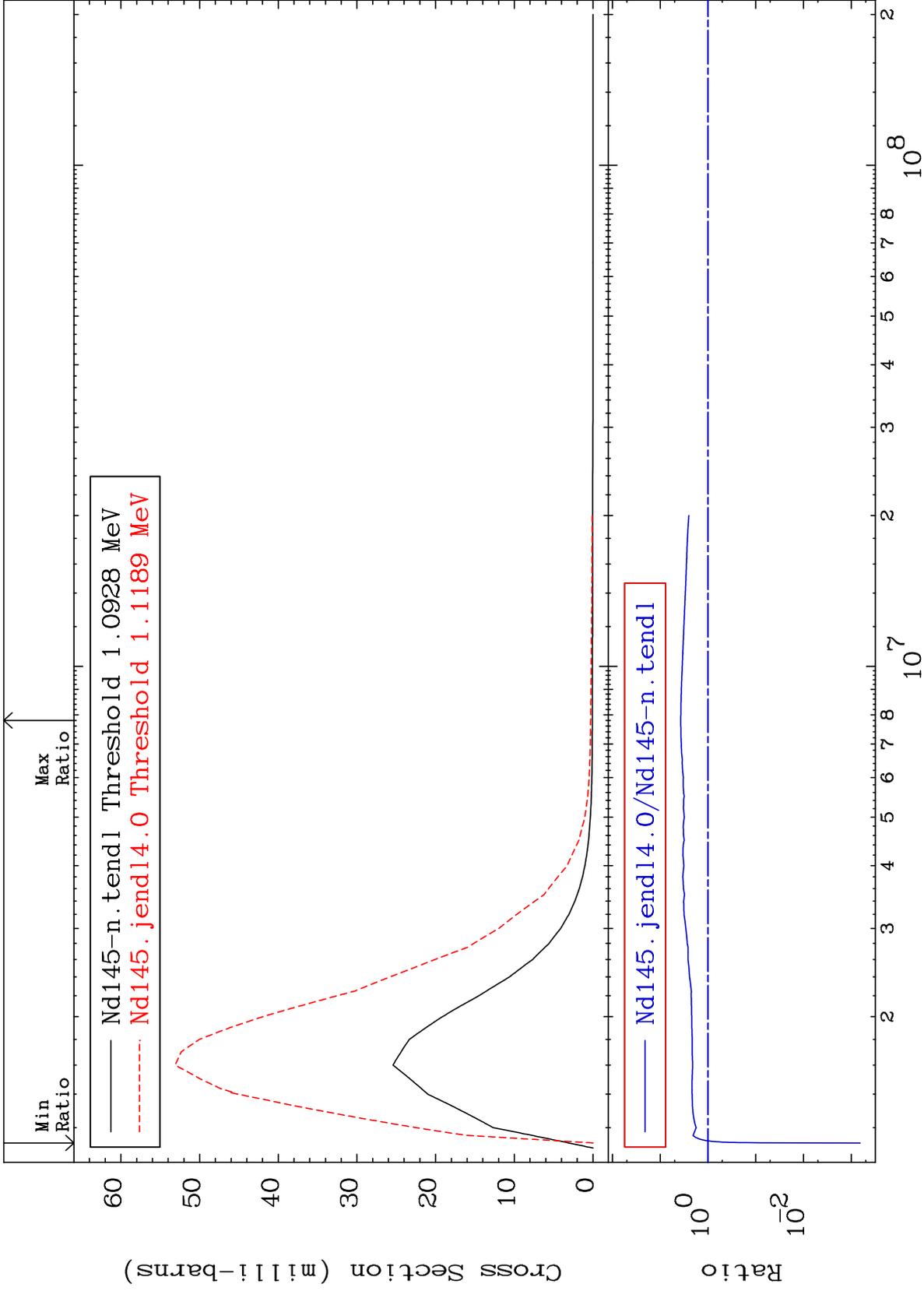
60-Nd-145
-97.68 To 352.9 %



MAT 6034

1.085 MeV (n,n') Level
Cross Section

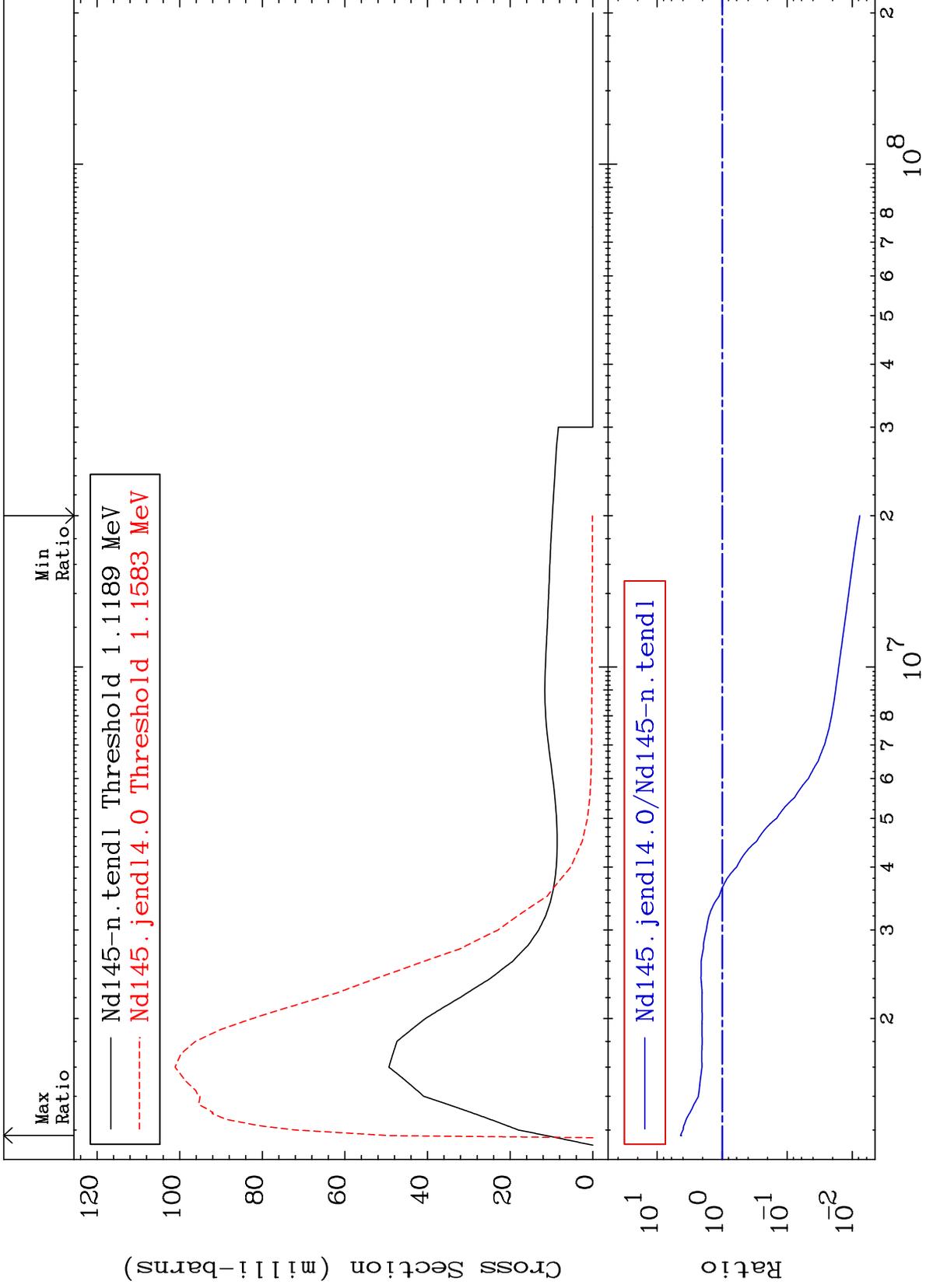
60-Nd-145
-99.93 To 271.2 %



MAT 6034

1.111 MeV (n,n') Level
Cross Section

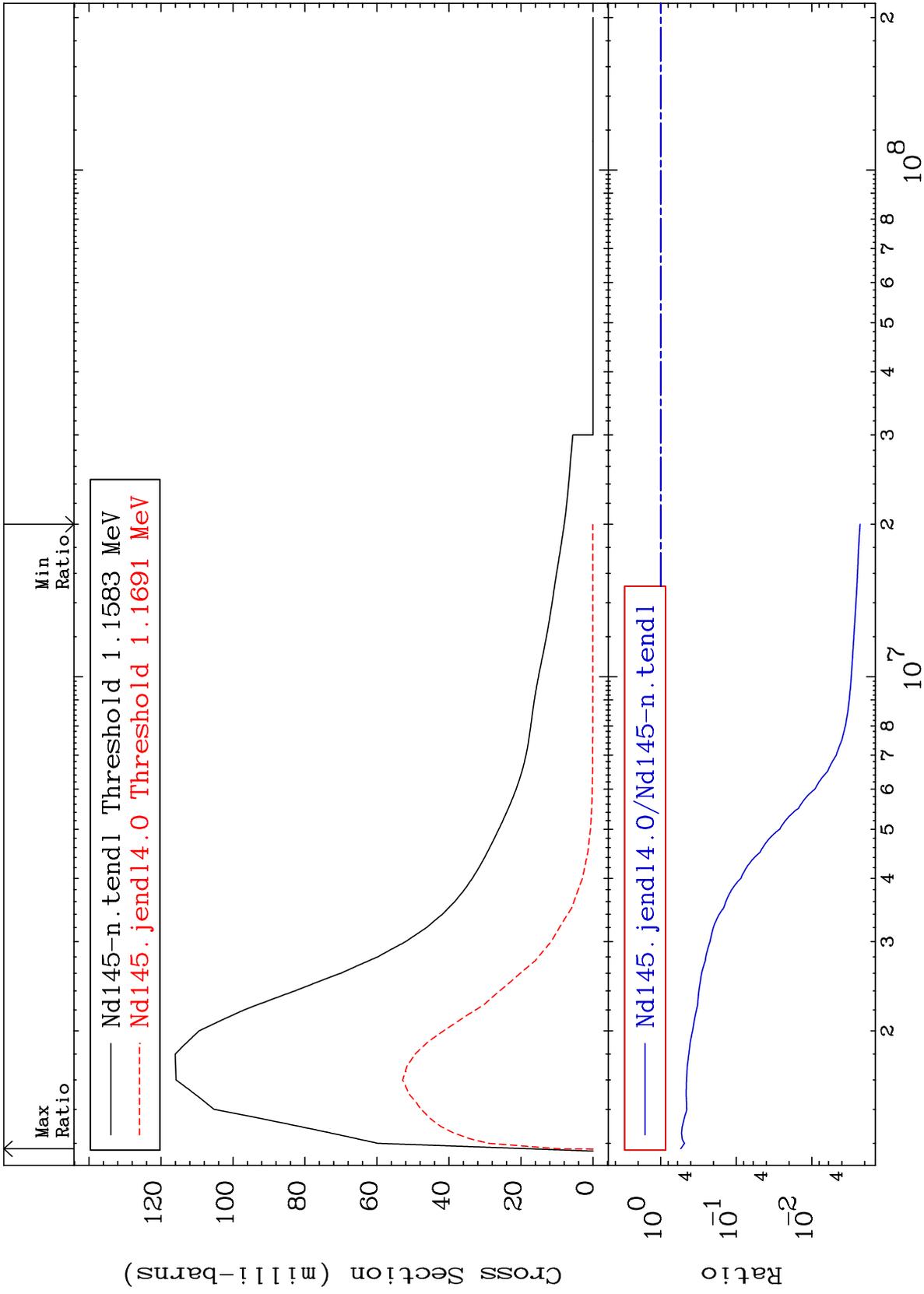
60-Nd-145
-99.24 To 337.4 %



MAT 6034

1.150 MeV (n,n') Level
Cross Section

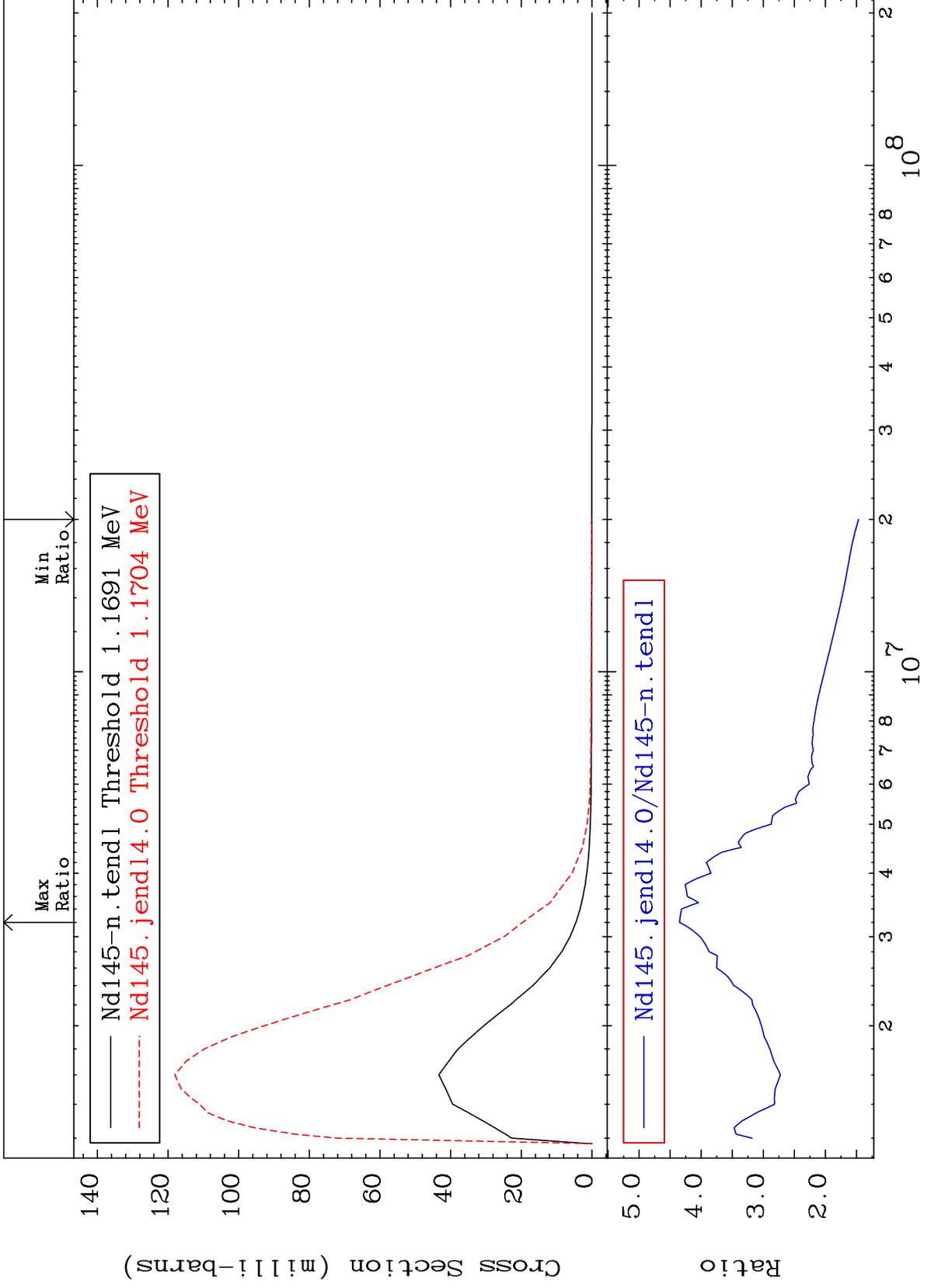
60-Nd-145
-99.77 To -45.63%



MAT 6034

1.161 MeV (n,n') Level
Cross Section

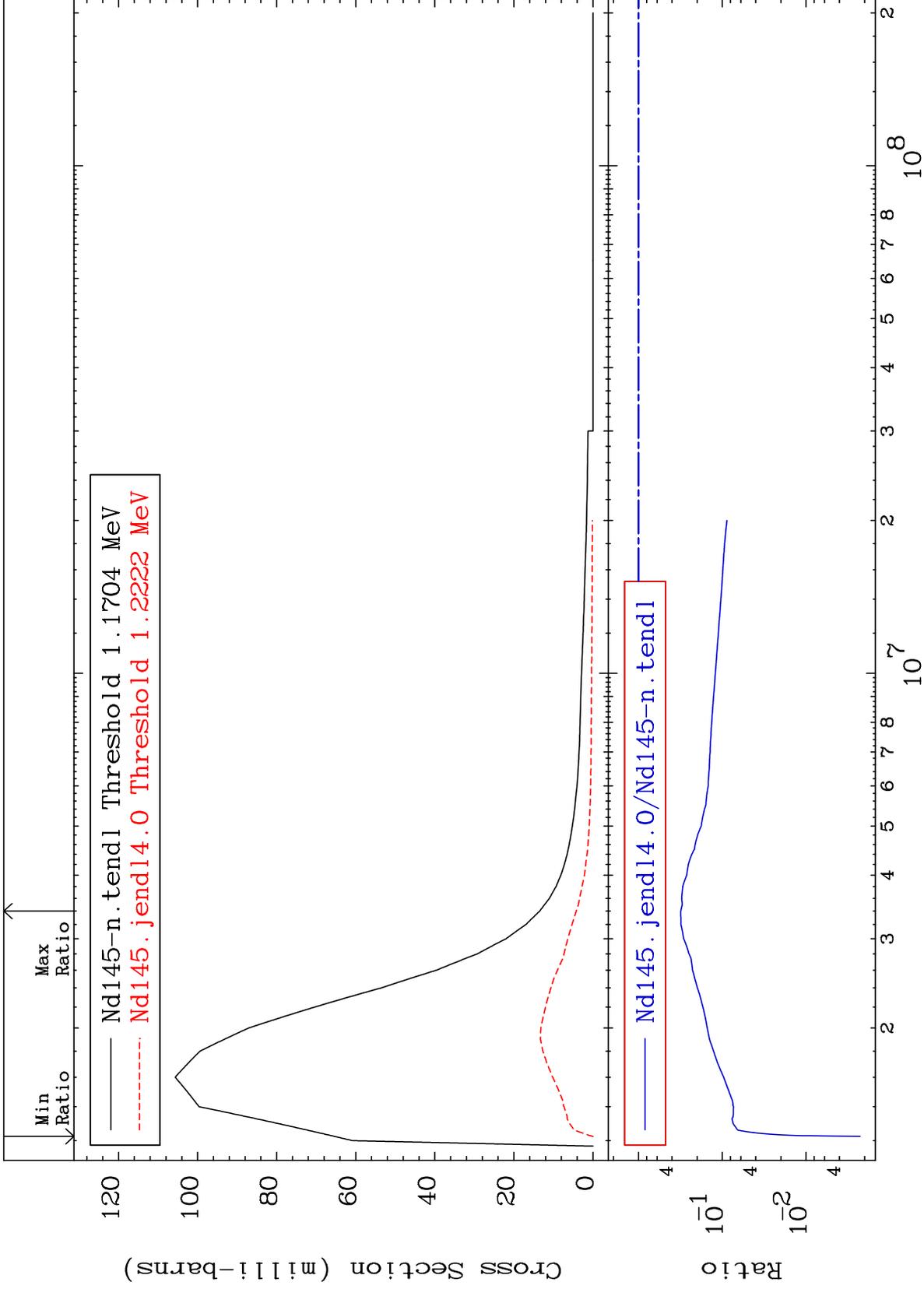
60-Nd-145
46.74 To 334.9 %



MAT 6034

1.162 MeV (n,n') Level
Cross Section

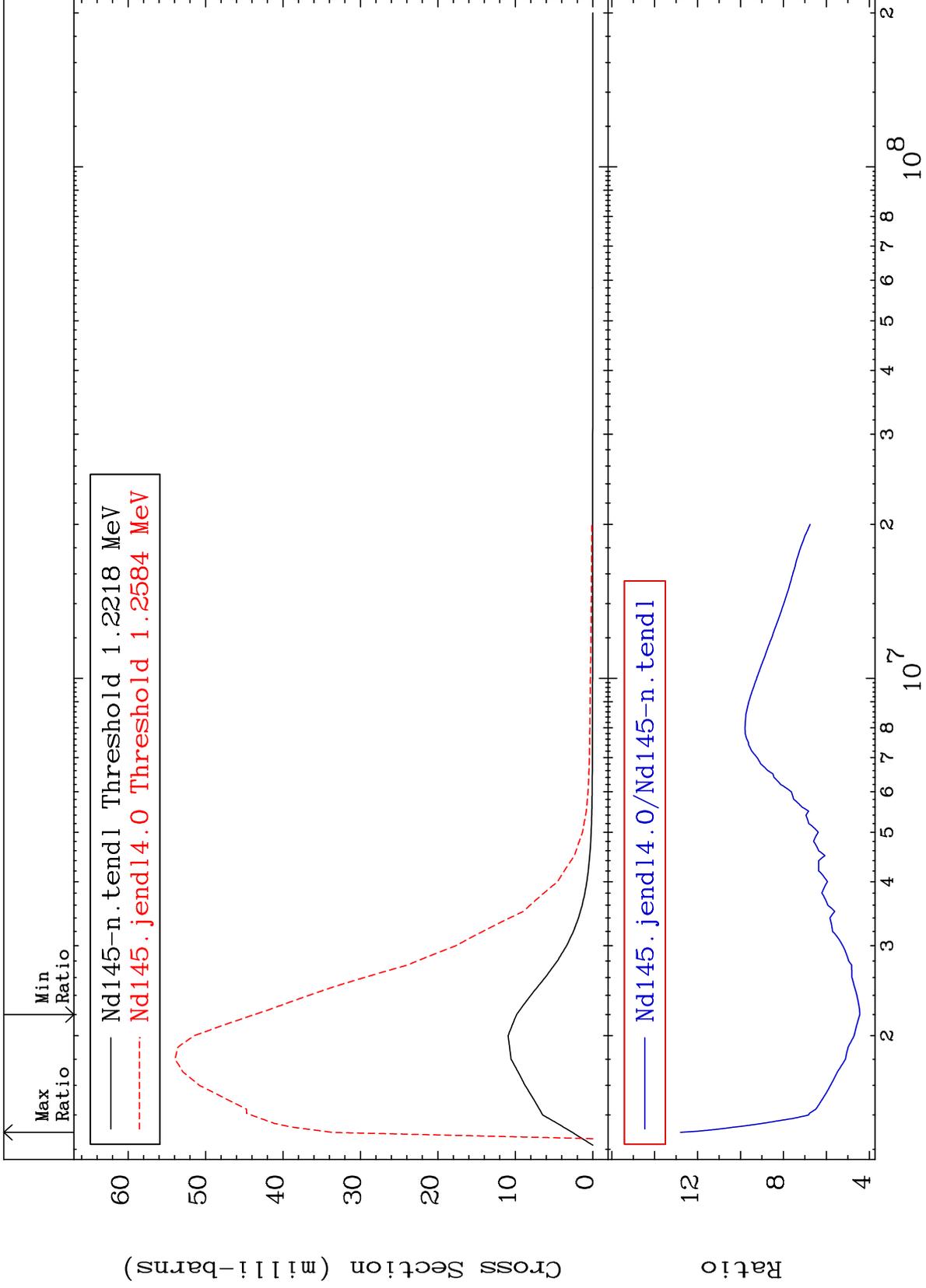
60-Nd-145
-99.77 To -68.64%



MAT 6034

1.213 MeV (n,n') Level
Cross Section

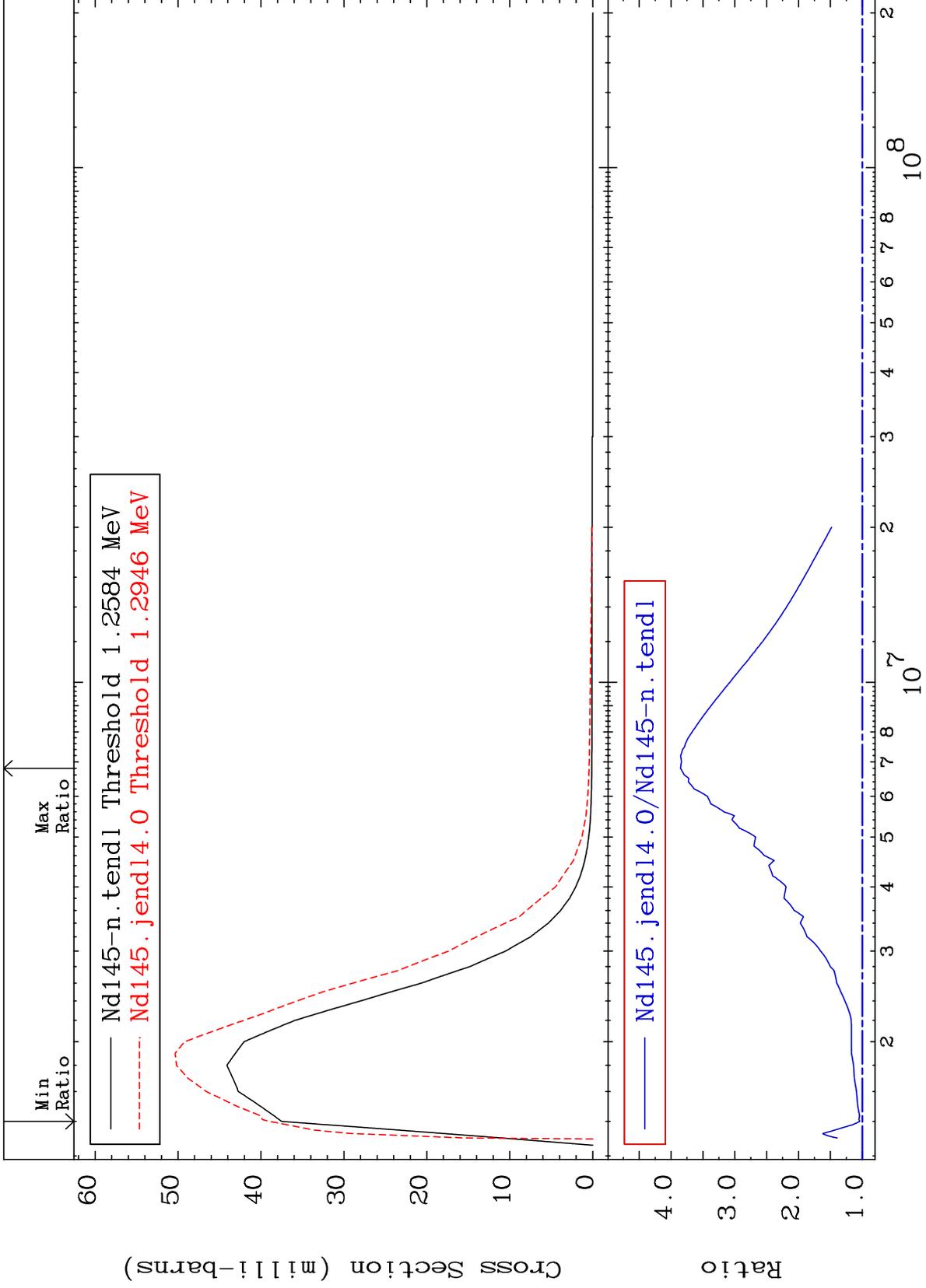
60-Nd-145
344.3 To 1180. %



MAT 6034

1.250 MeV (n,n') Level
Cross Section

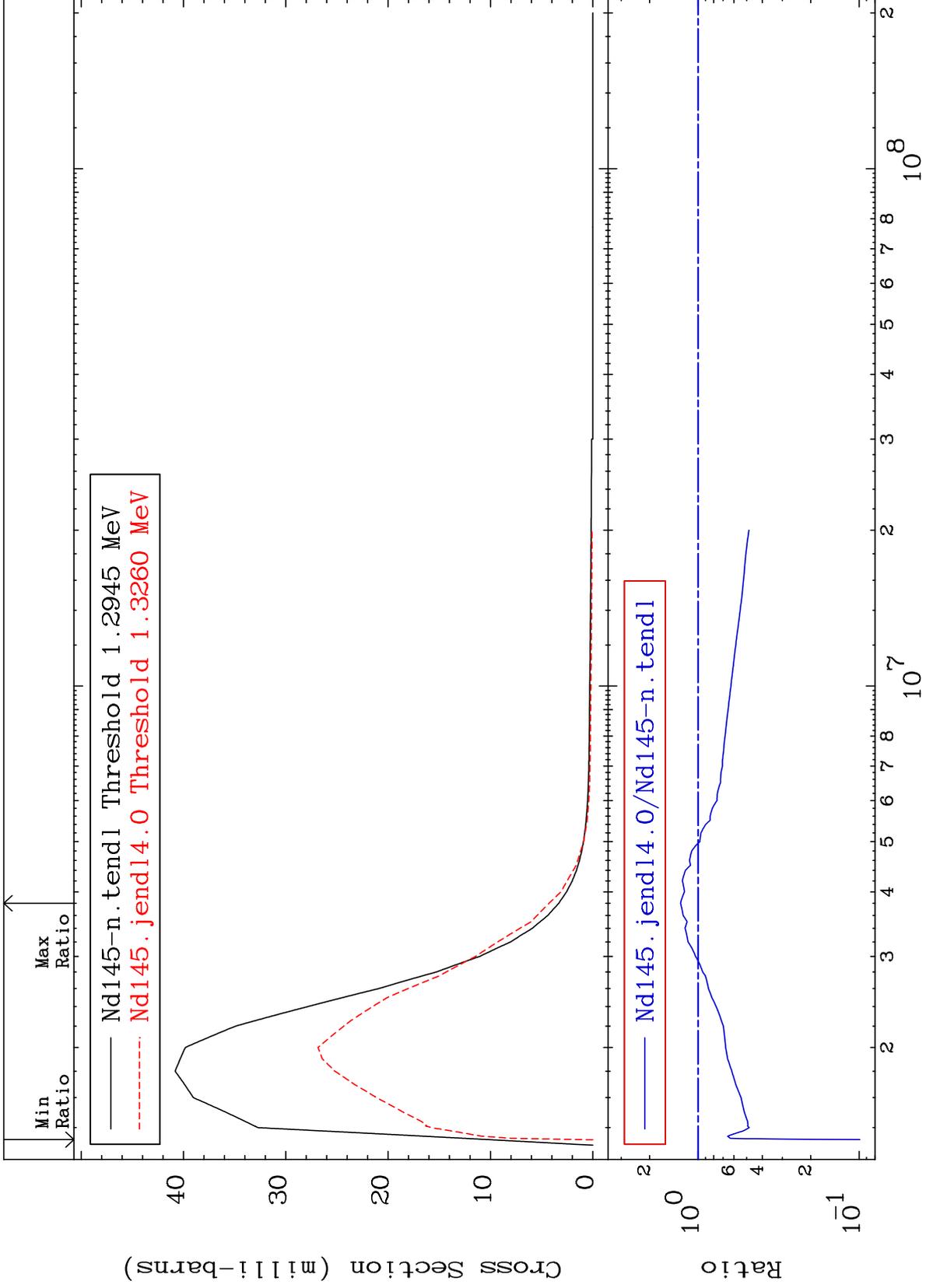
60-Nd-145
3.922 To 285.2 %



MAT 6034

1.286 MeV (n,n') Level
Cross Section

60-Nd-145
-90.09 To 28.56 %



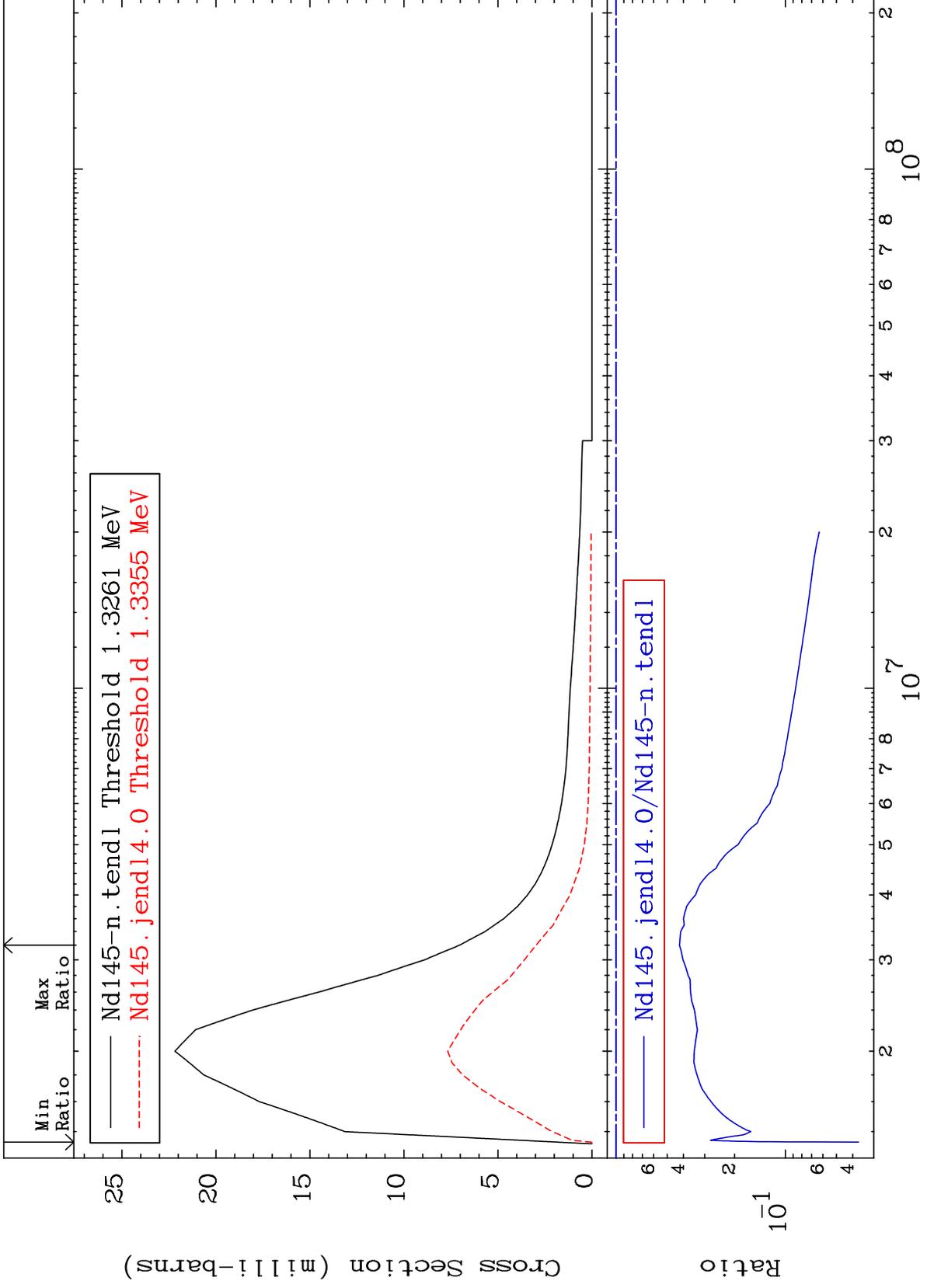
30

60-Nd-145

MAT 6034

1.317 MeV (n,n') Level
Cross Section

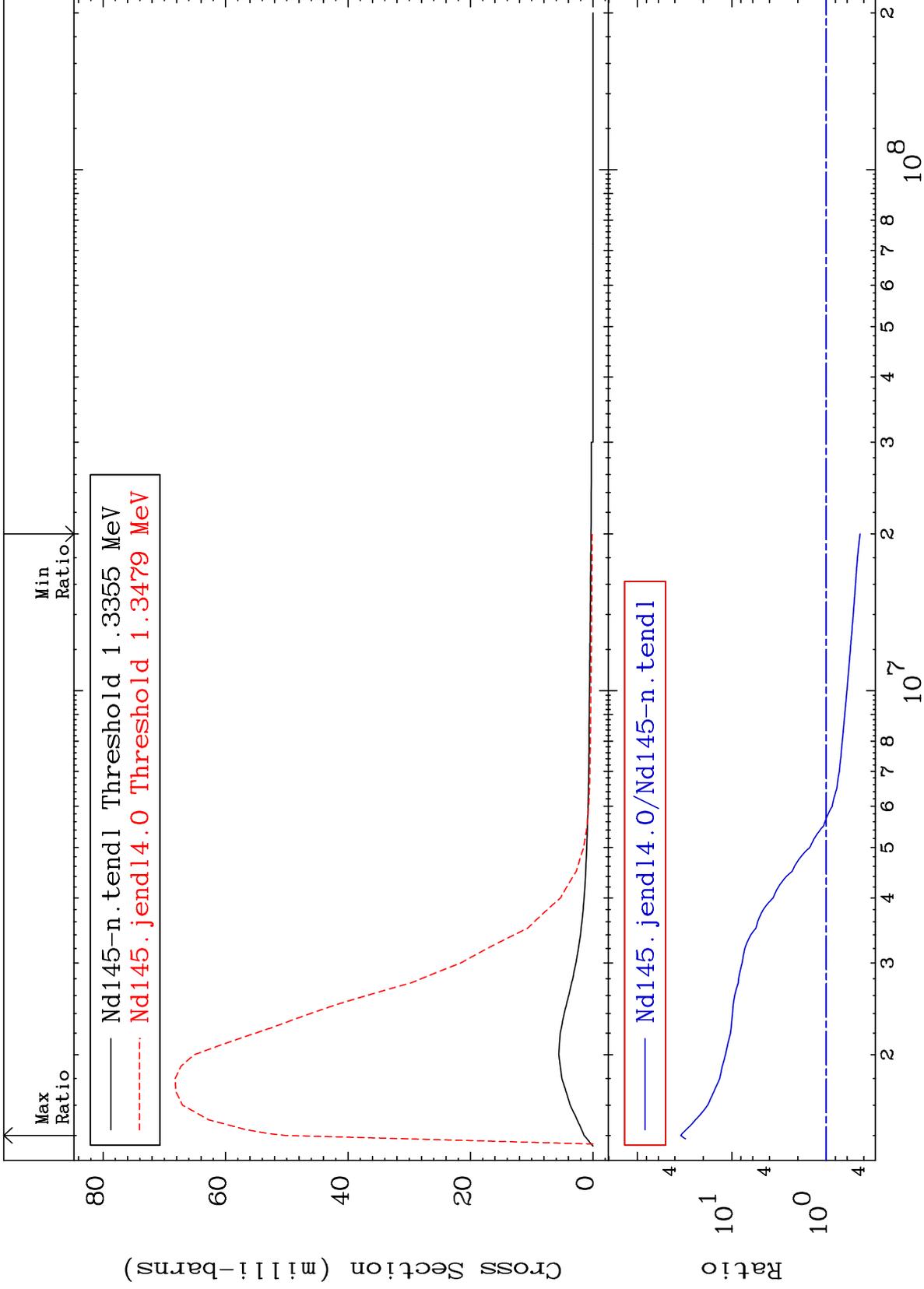
60-Nd-145
-96.30 To -57.78%



MAT 6034

1.326 MeV (n,n') Level
Cross Section

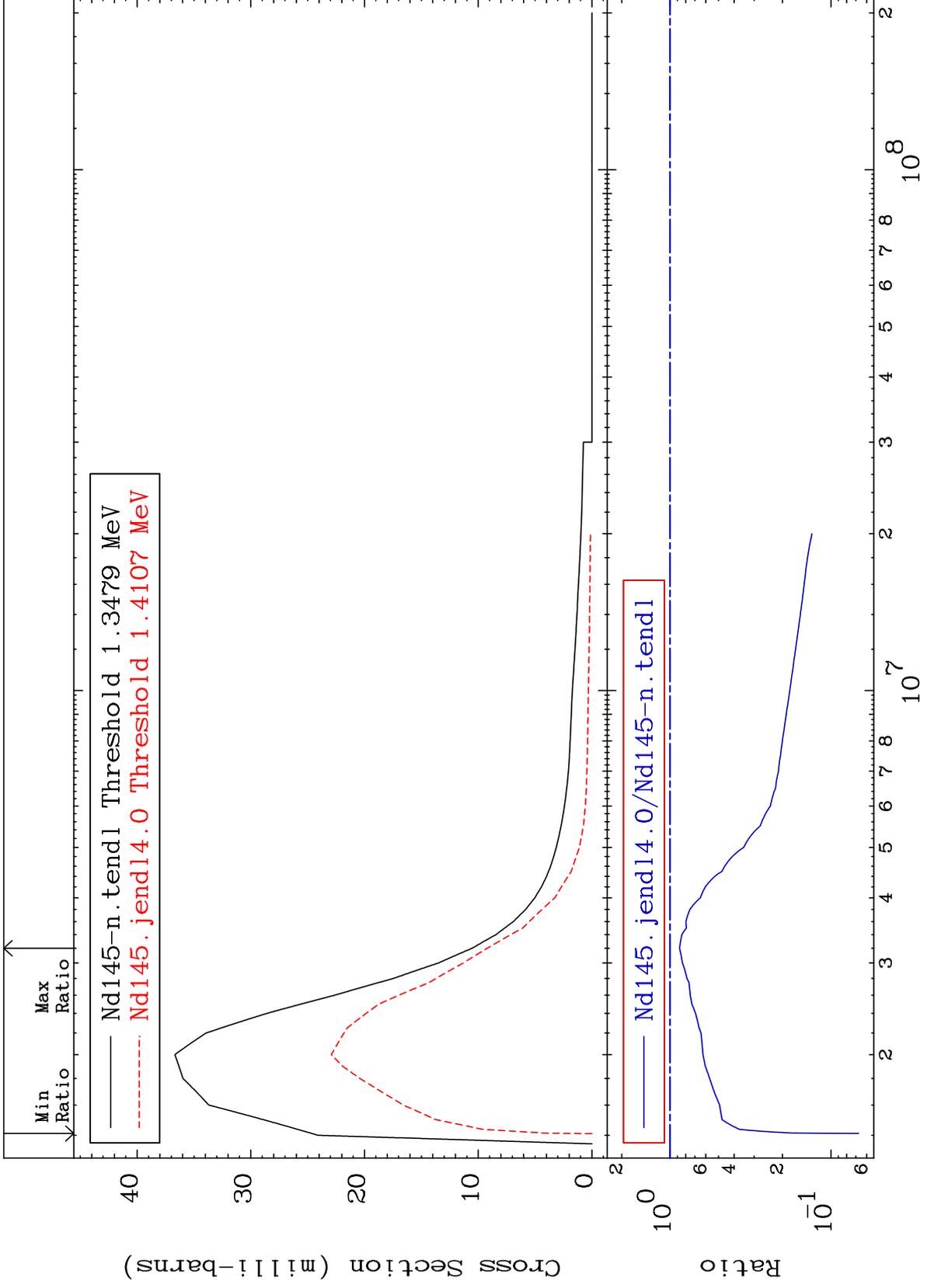
60-Nd-145
-56.18 To 3368. %



MAT 6034

1.339 MeV (n,n') Level
Cross Section

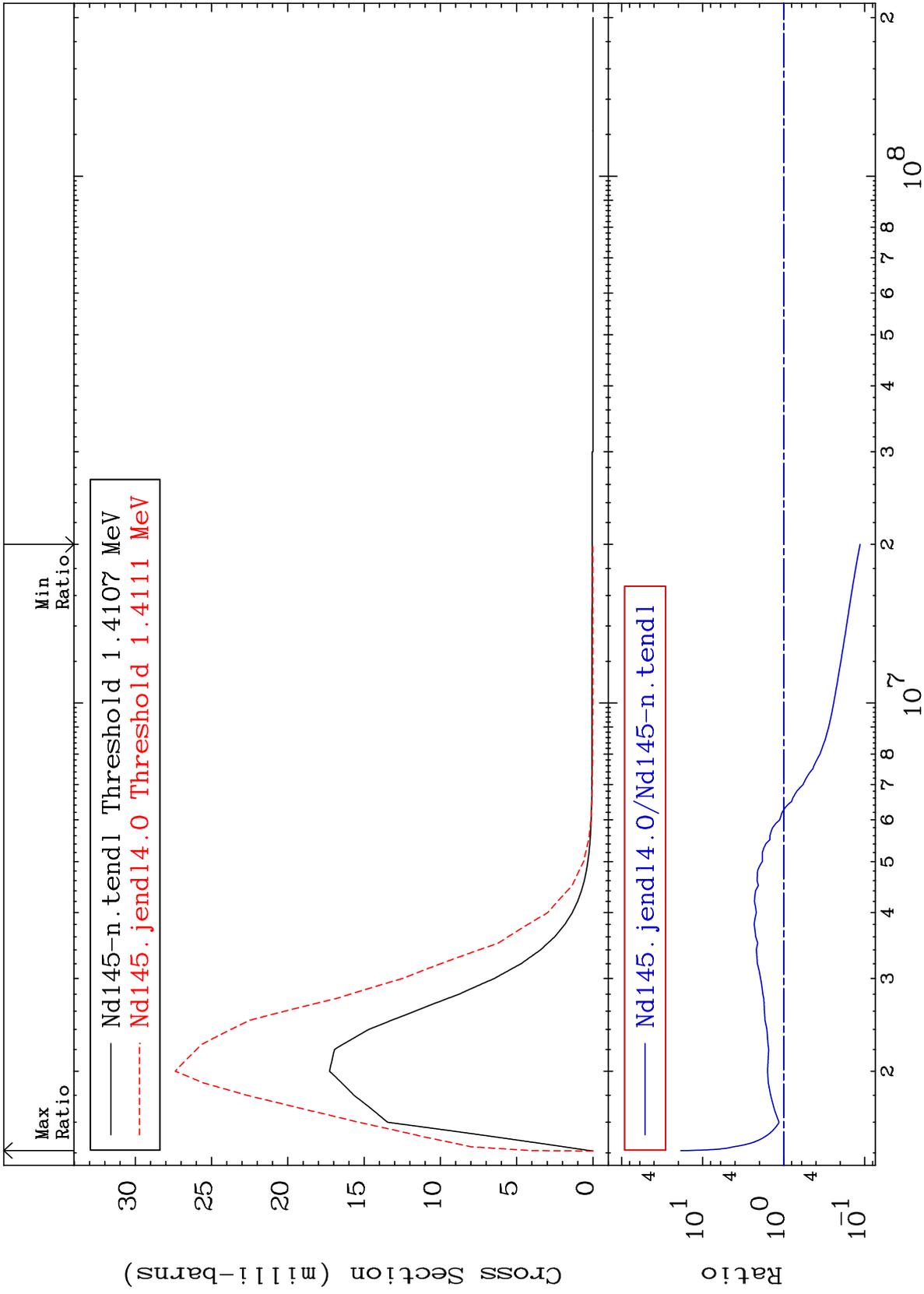
60-Nd-145
-93.26 To -12.64%



MAT 6034

1.401 MeV (n,n') Level
Cross Section

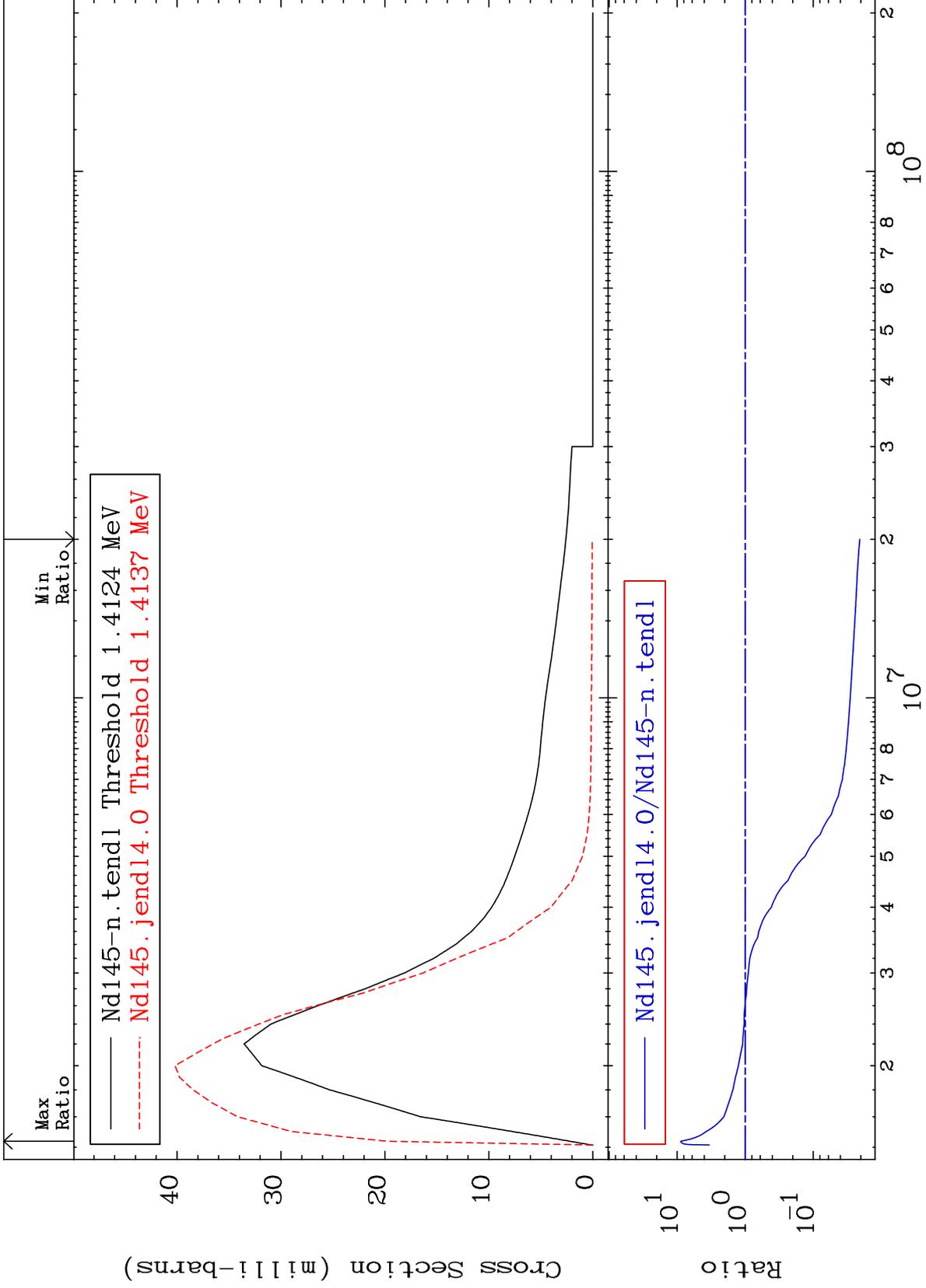
60-Nd-145
-88.59 To 1767. %



MAT 6034

1.403 MeV (n,n') Level
Cross Section

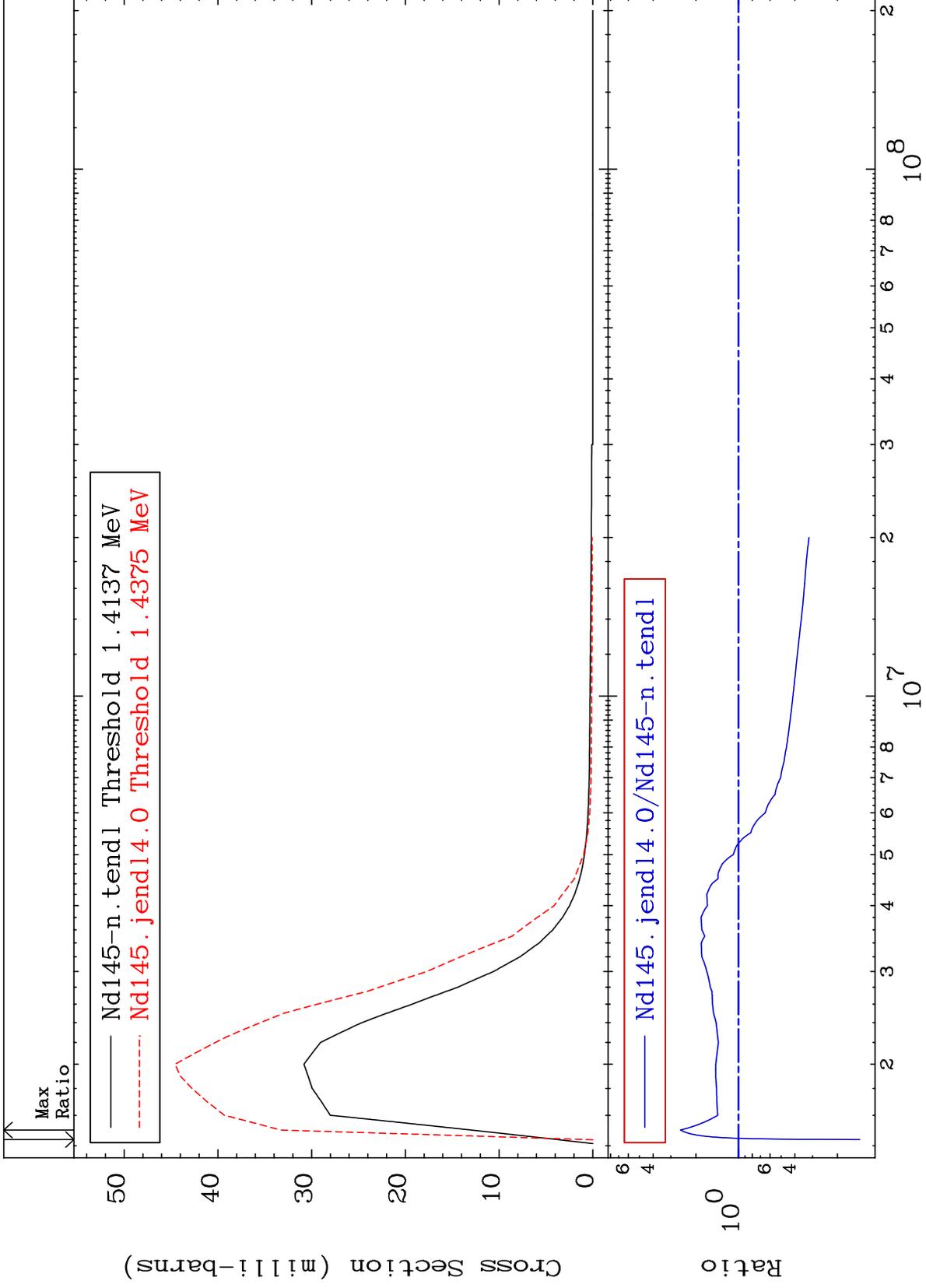
60-Nd-145
-97.93 To 791.6 %



MAT 6034

1.404 MeV (n,n') Level
Cross Section

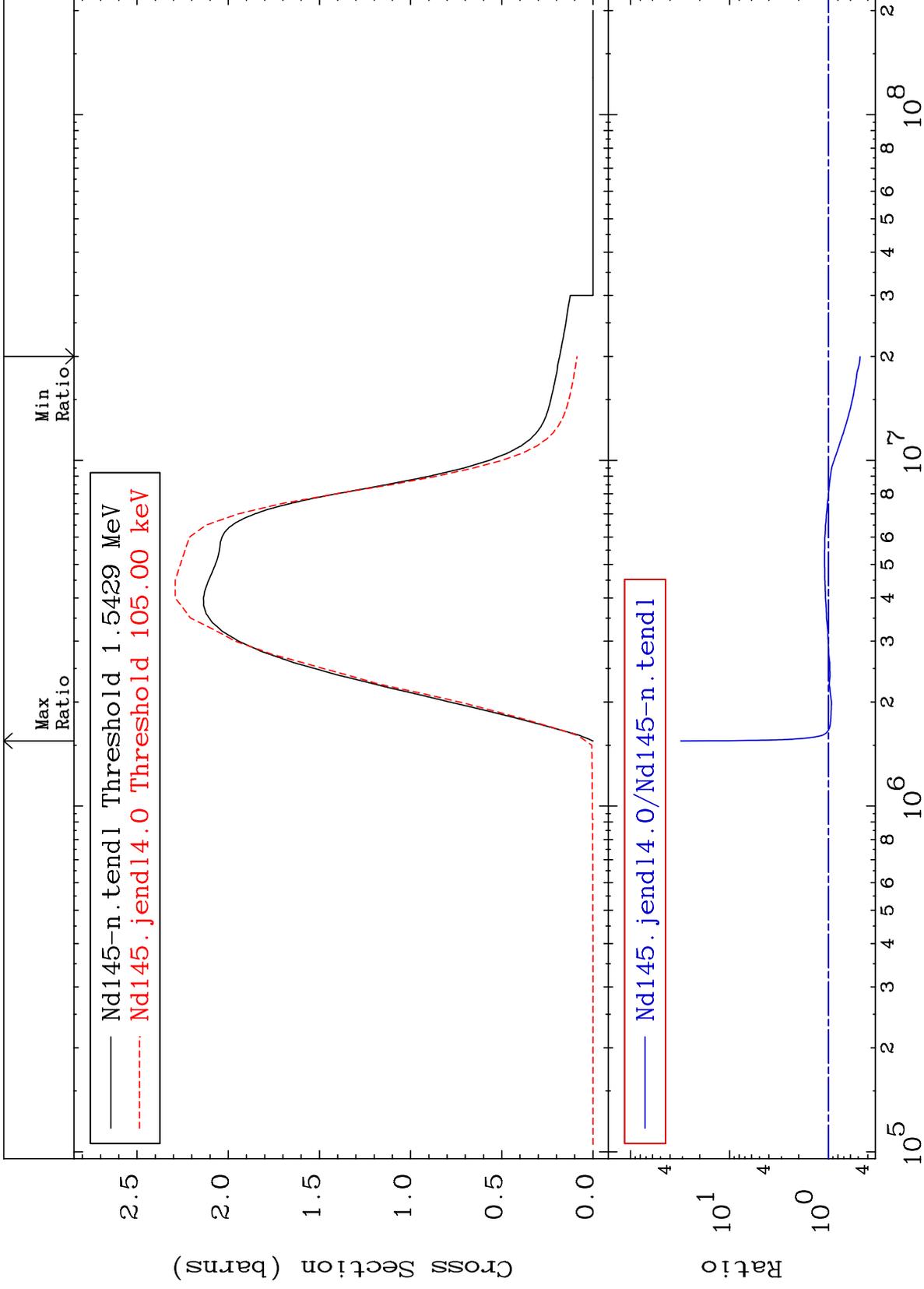
60-Nd-145
-86.07 To 156.5 %



MAT 6034

(n, n') Continuum
Cross Section

60-Nd-145
-52.11 To 3015. %



37

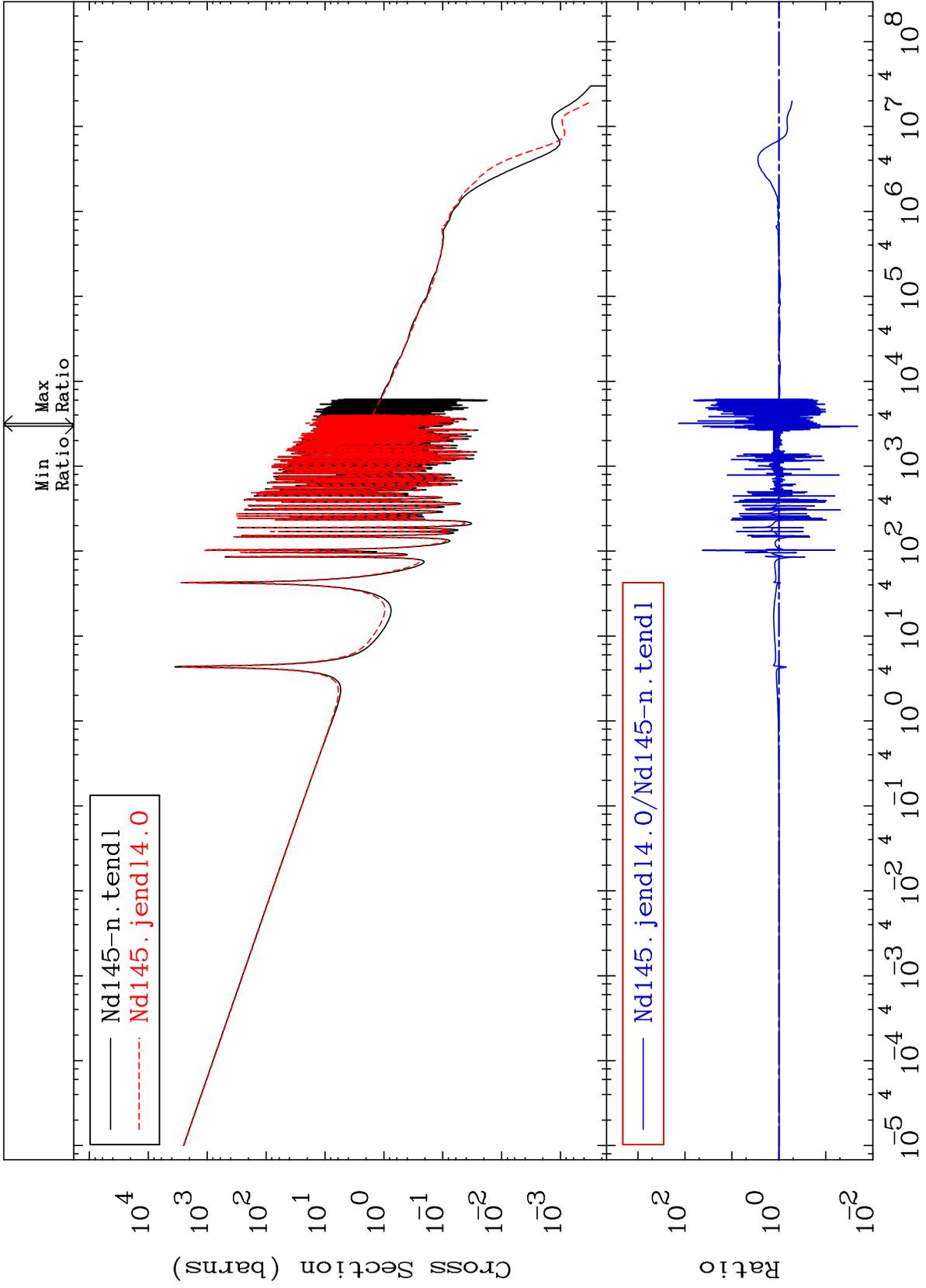
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, γ)
Cross Section

60-Nd-145
-97.89 To 9999. %

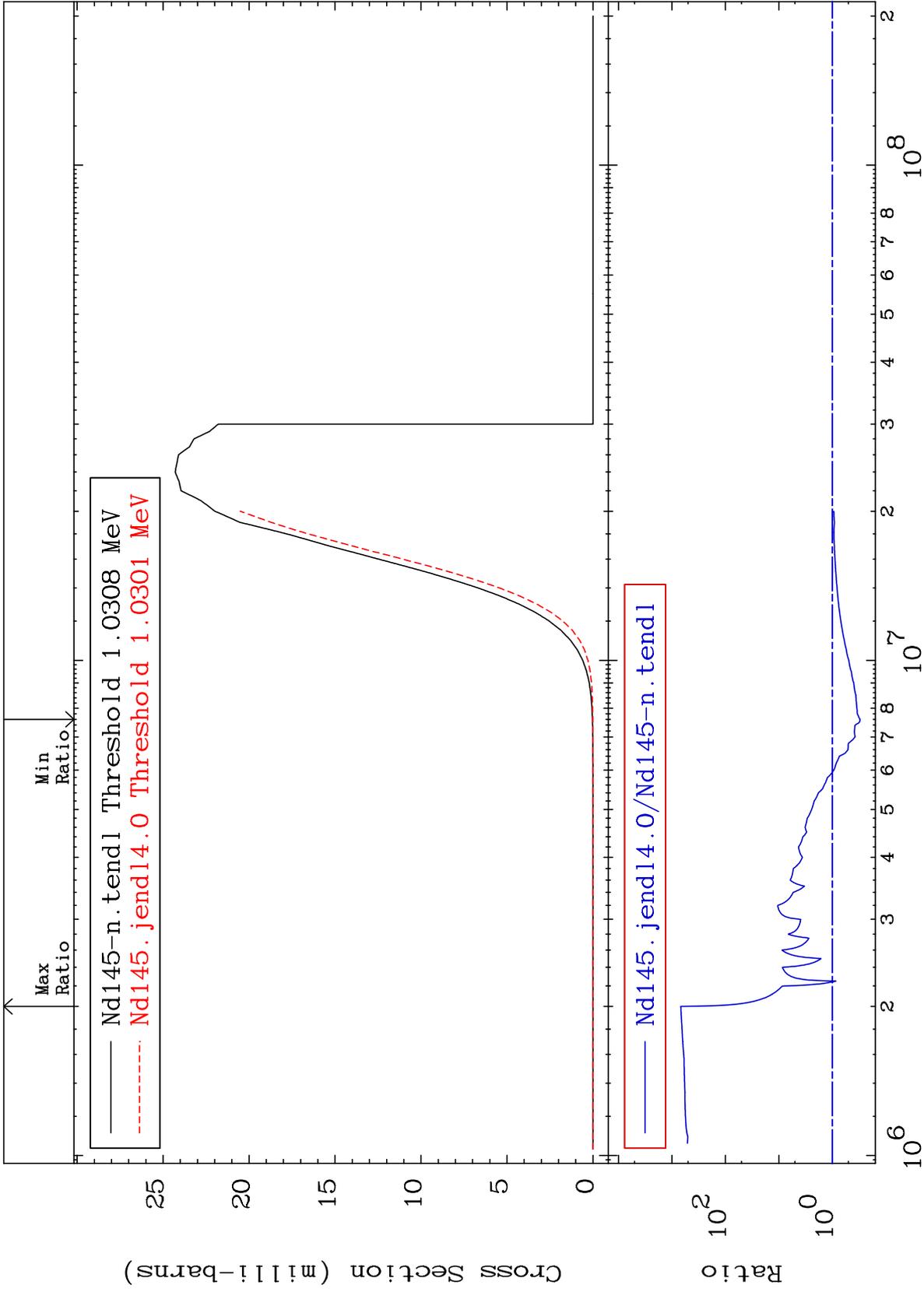


MAT 6034

60-Nd-145

-69.88 To 9999. %

(n,p)
Cross Section



39

Incident Energy (eV)

60-Nd-145

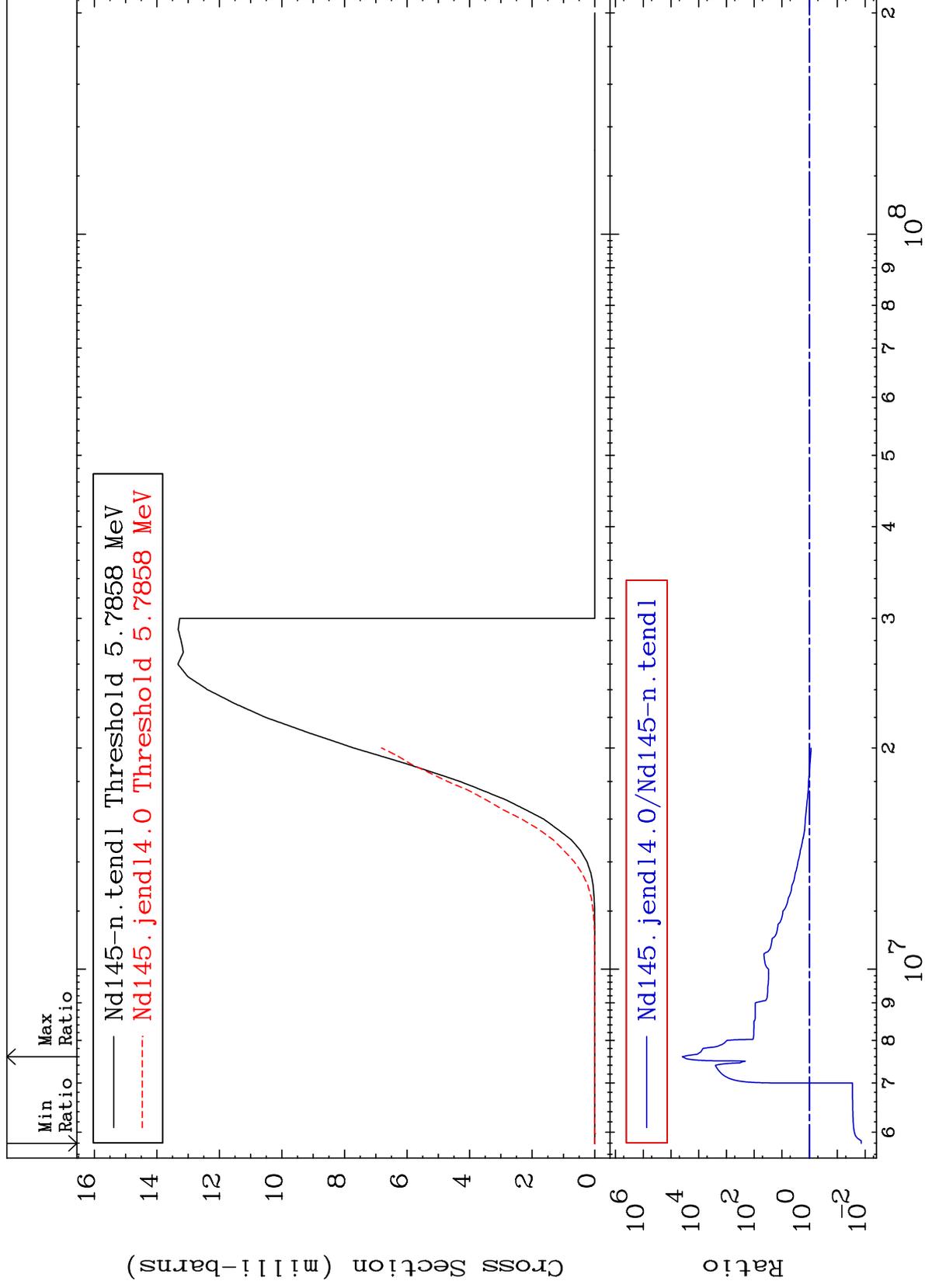
MAT 6034

(n, d)

60-Nd-145

Cross Section

-98.62 To 9999. %



40

Incident Energy (eV)

60-Nd-145

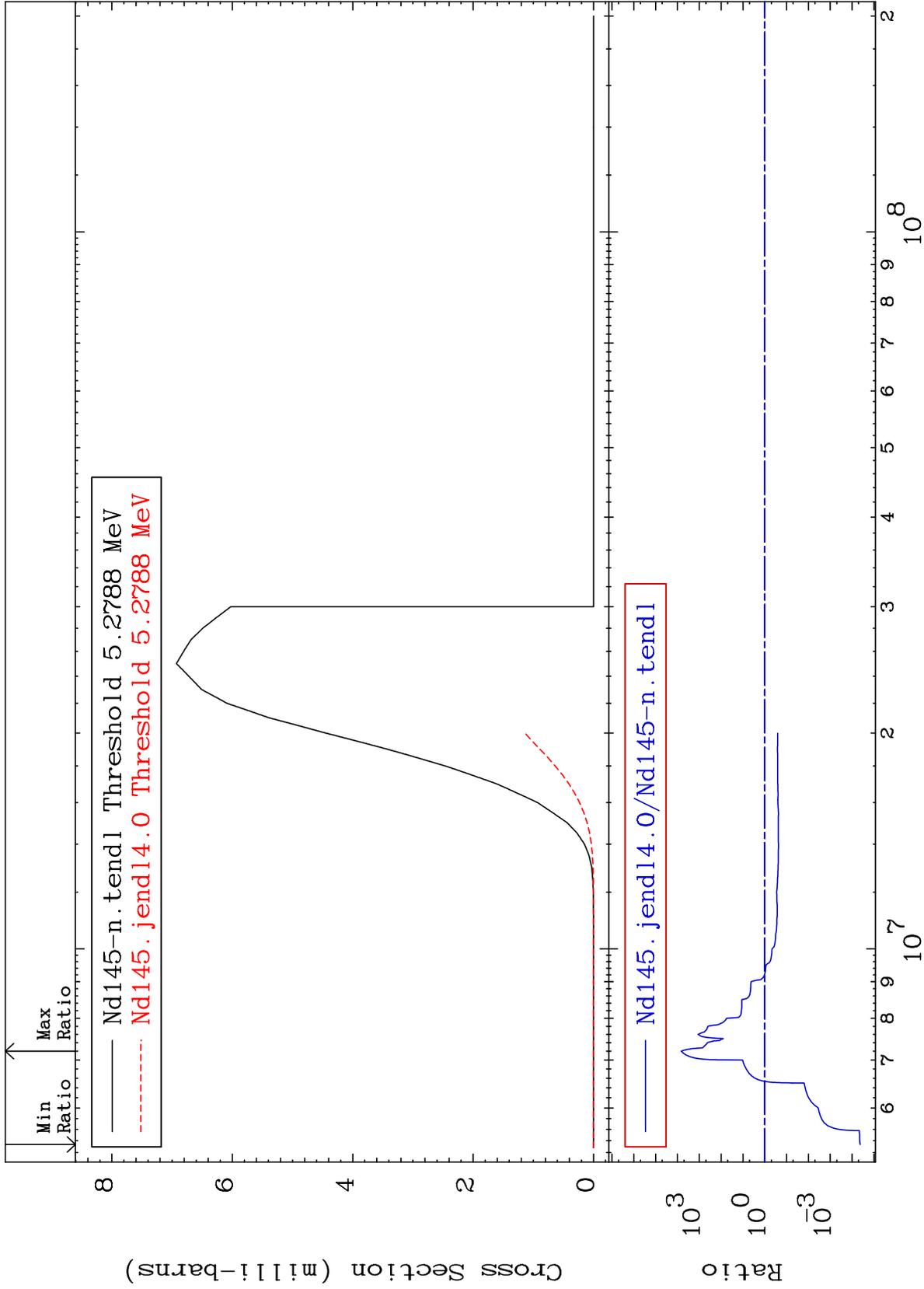
MAT 6034

(n, t)

60-Nd-145

Cross Section

-100.0 To 9999. %



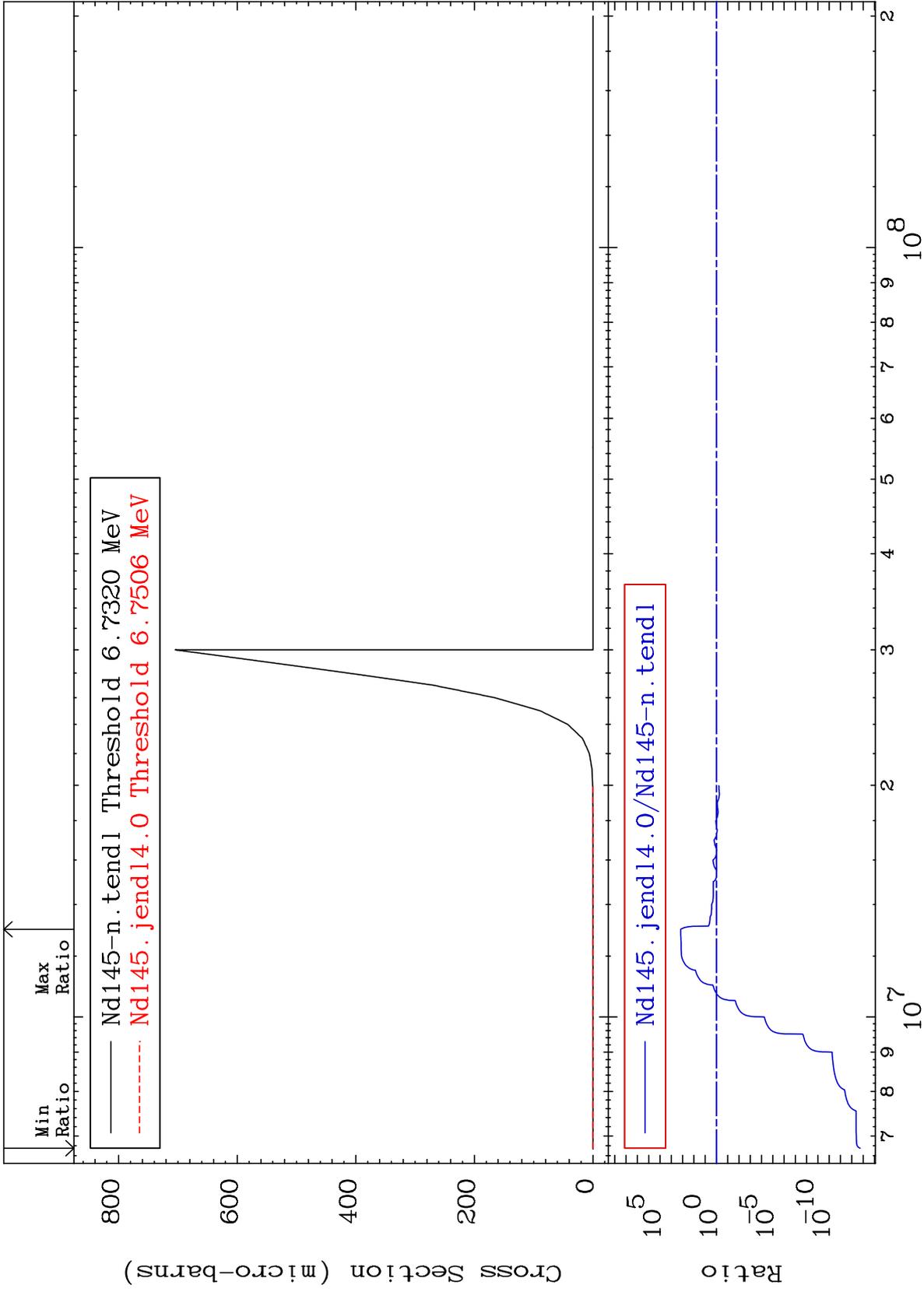
MAT 6034

(n, He-3)

60-Nd-145

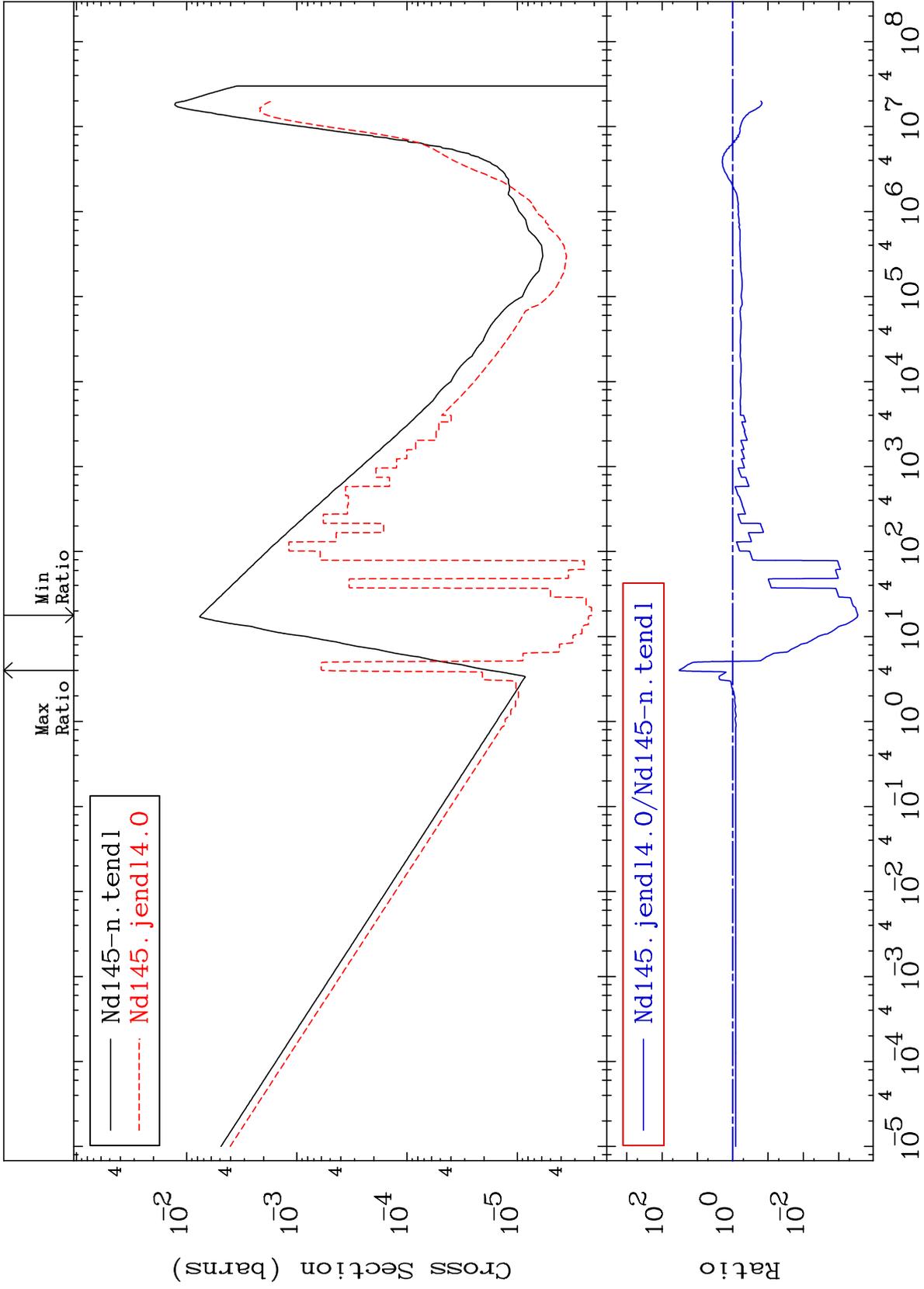
Cross Section

-100.0 To 9999. %



MAT 6034

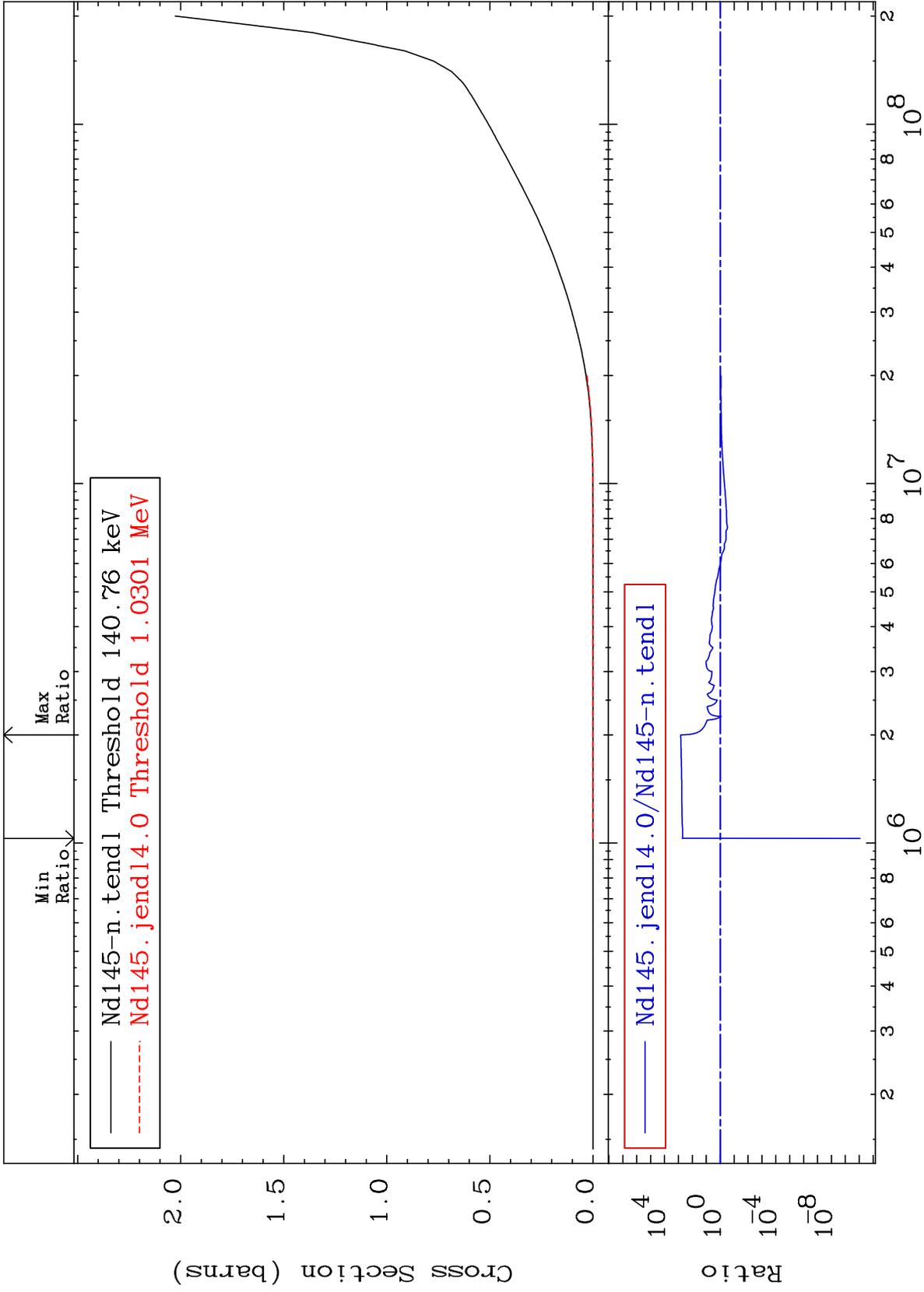
(n, α)
Cross Section
60-Nd-145
-99.97 To 3203. %



MAT 6034

Hydrogen Production
Cross Section

60-Nd-145
-100.0 To 9999. %



45

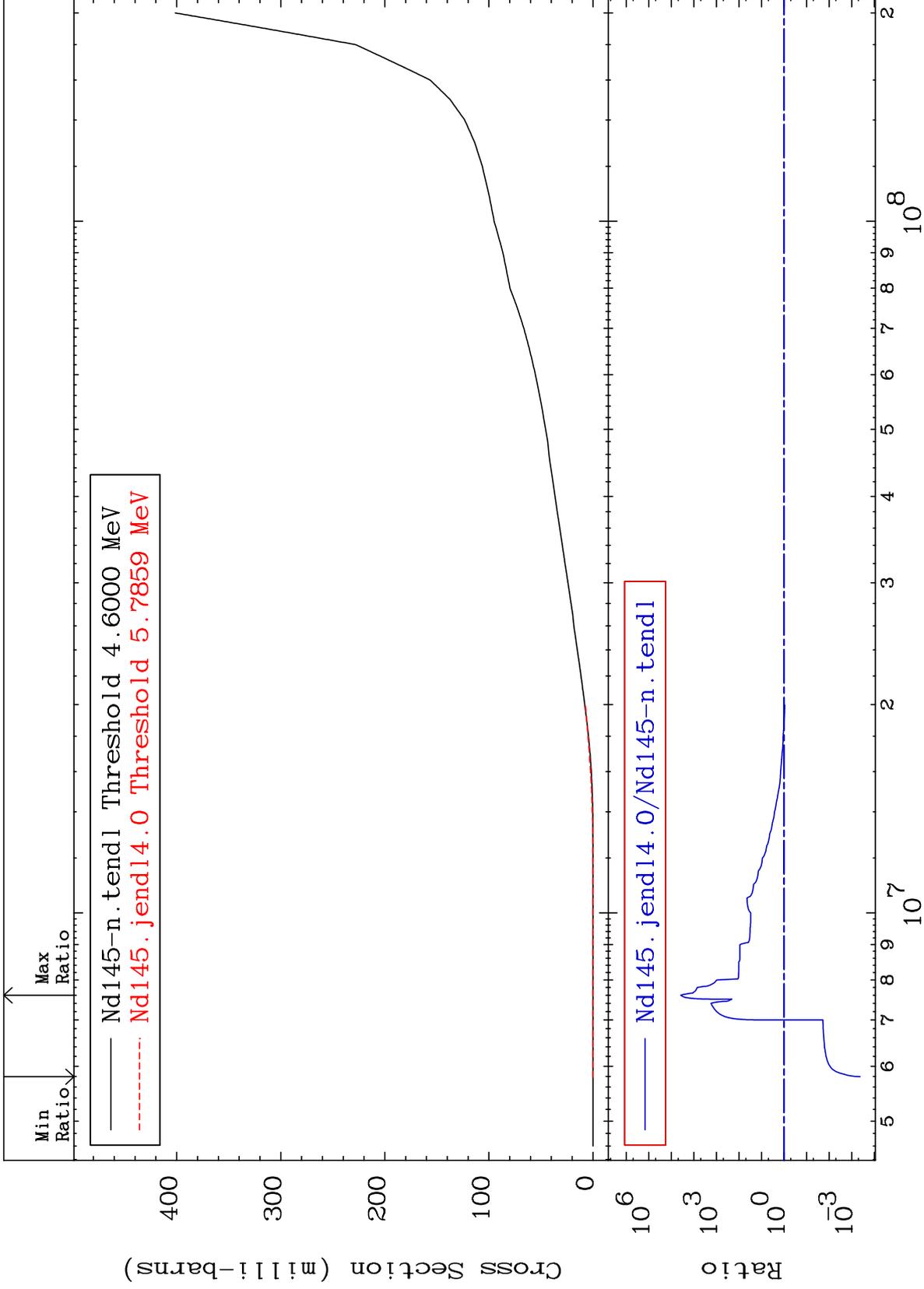
Incident Energy (eV)

60-Nd-145

MAT 6034

Deuterium Production
Cross Section

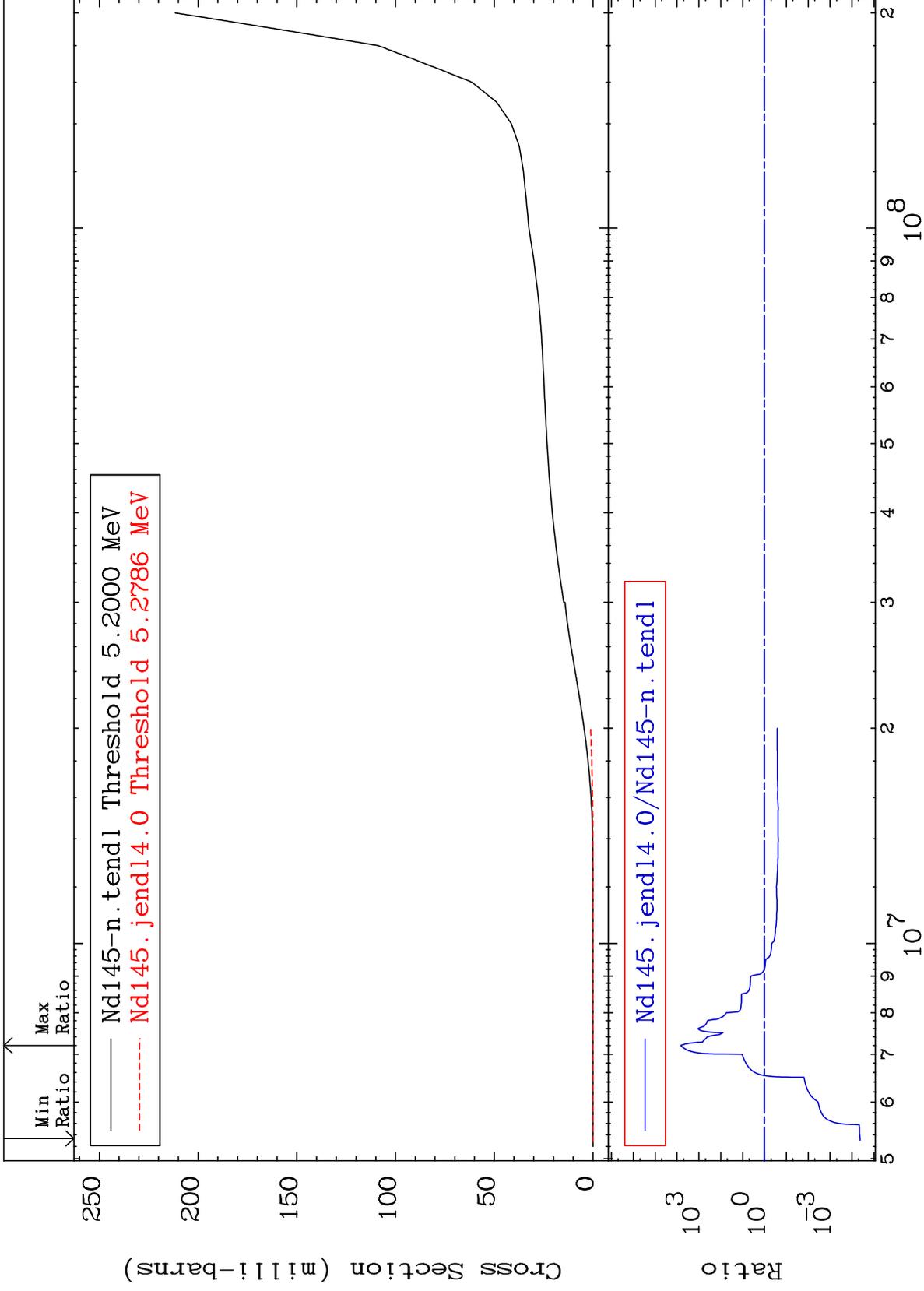
60-Nd-145
-99.96 To 9999. %



MAT 6034

Tritium Production
Cross Section

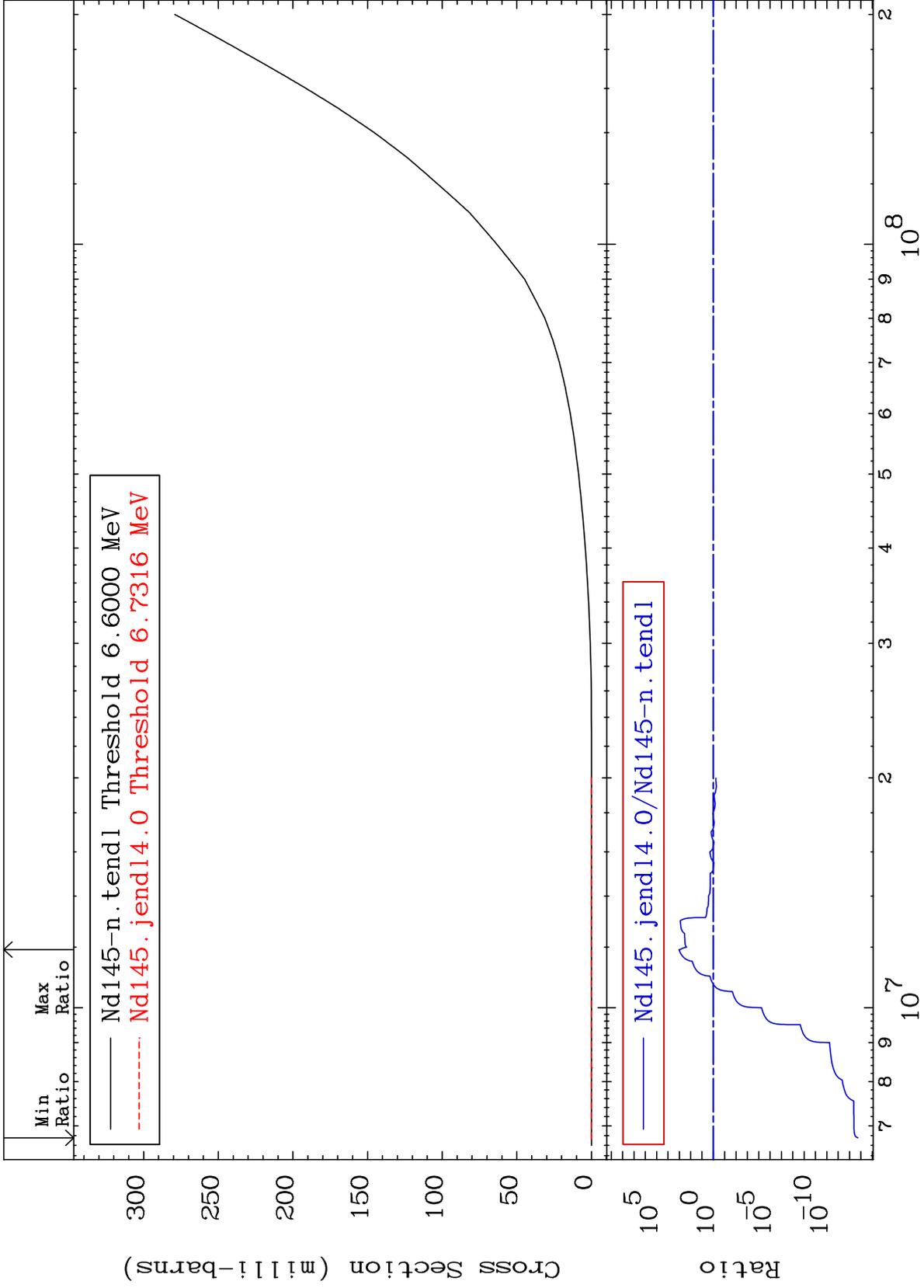
60-Nd-145
-100.0 To 9999. %



MAT 6034

He-3 Production
Cross Section

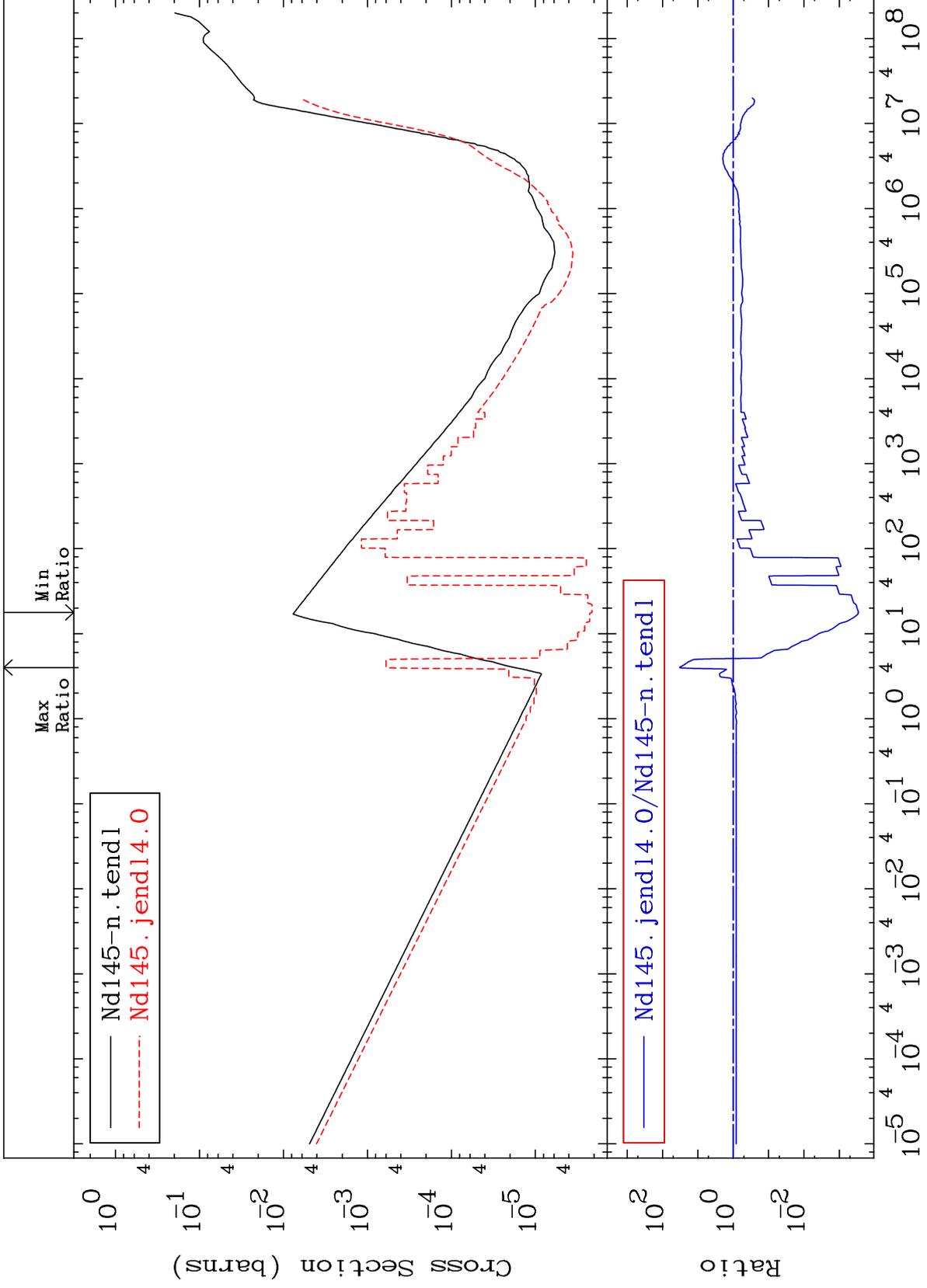
60-Nd-145
-100.0 To 9999. %



MAT 6034

He-4 Production
Cross Section

60-Nd-145
-99.97 To 3203. %



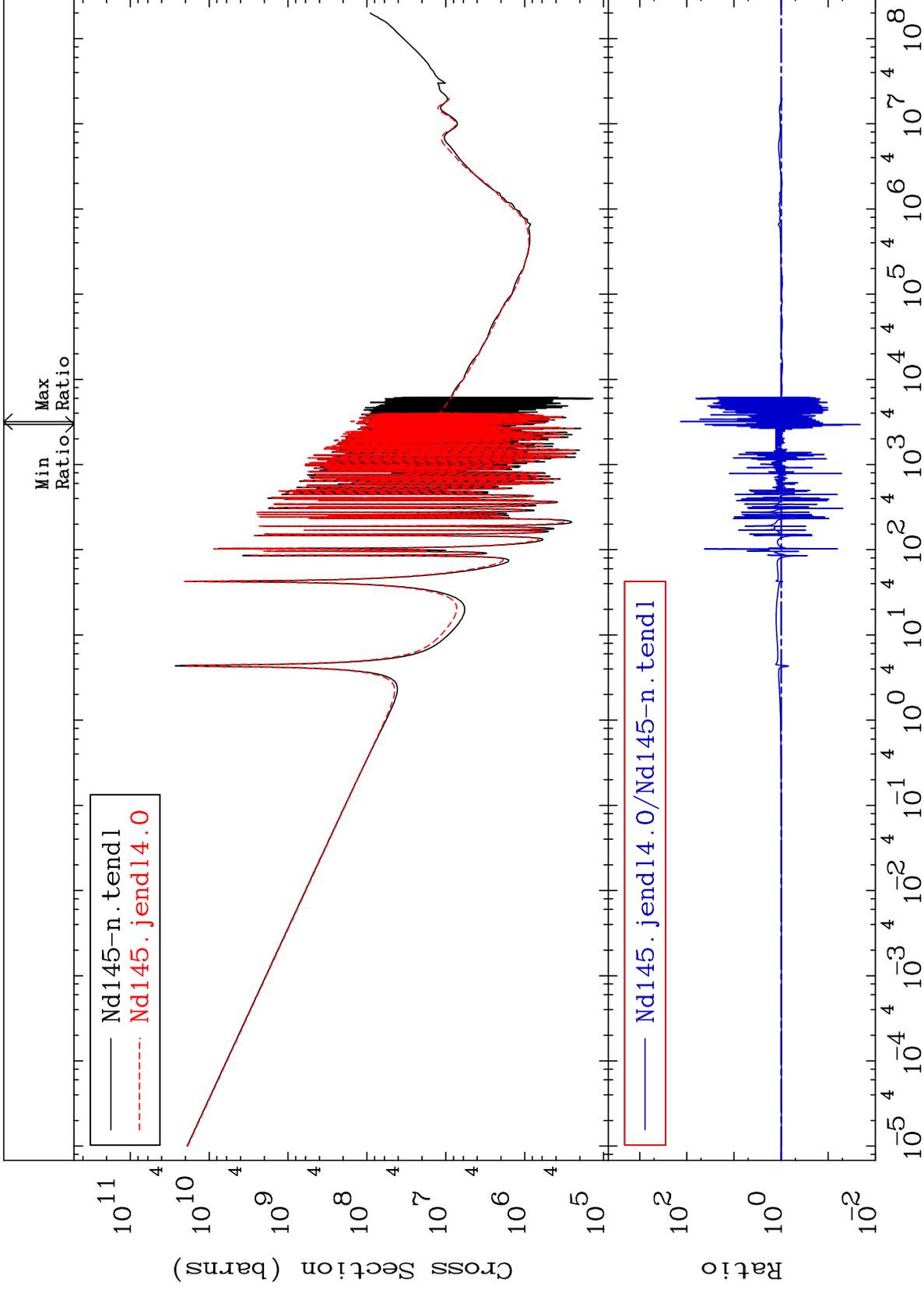
MAT 6034

Kerma total (eV-barns)

60-Nd-145

Cross Section

-97.89 To 9999. %



50

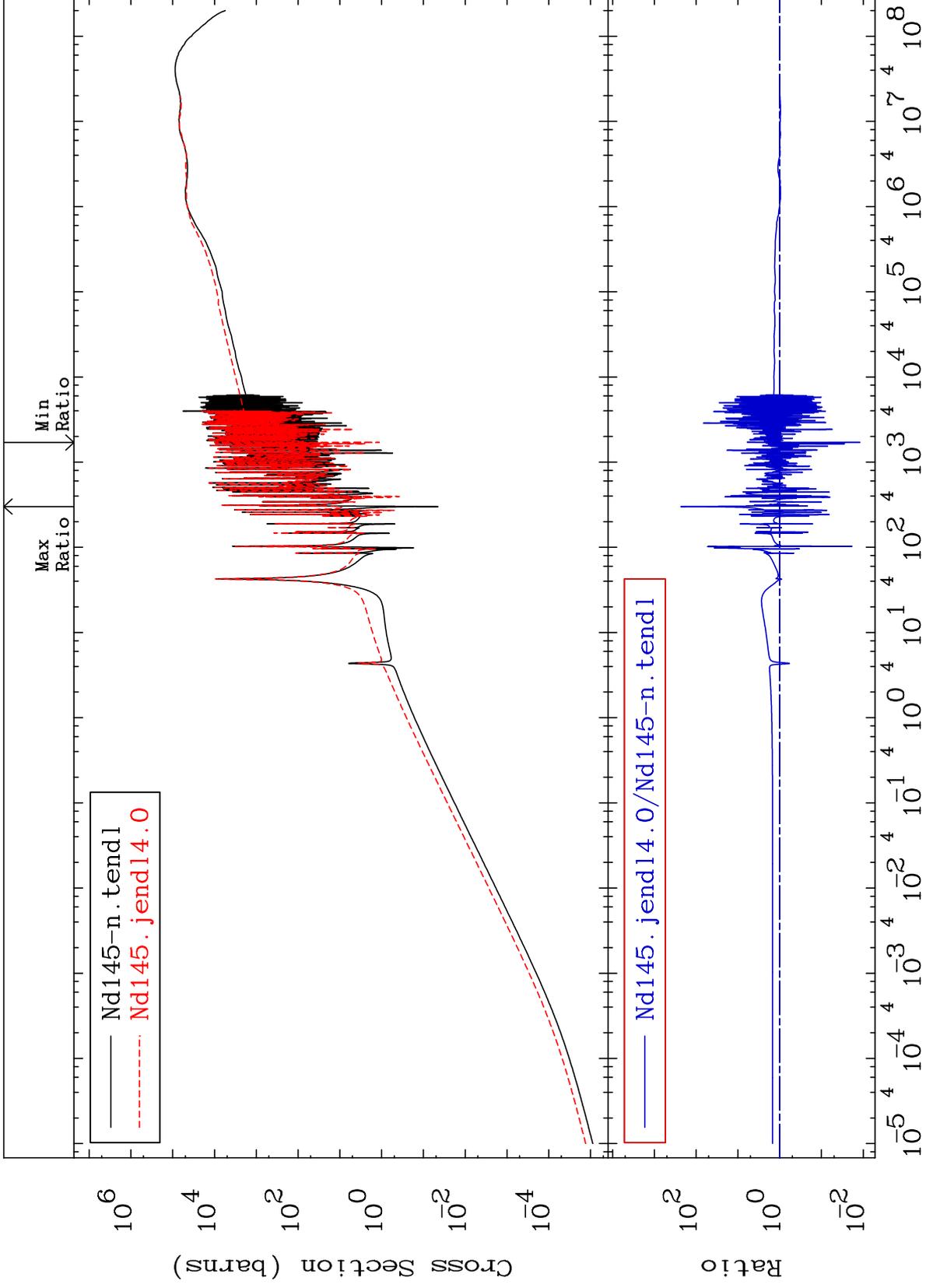
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma elastic
Cross Section

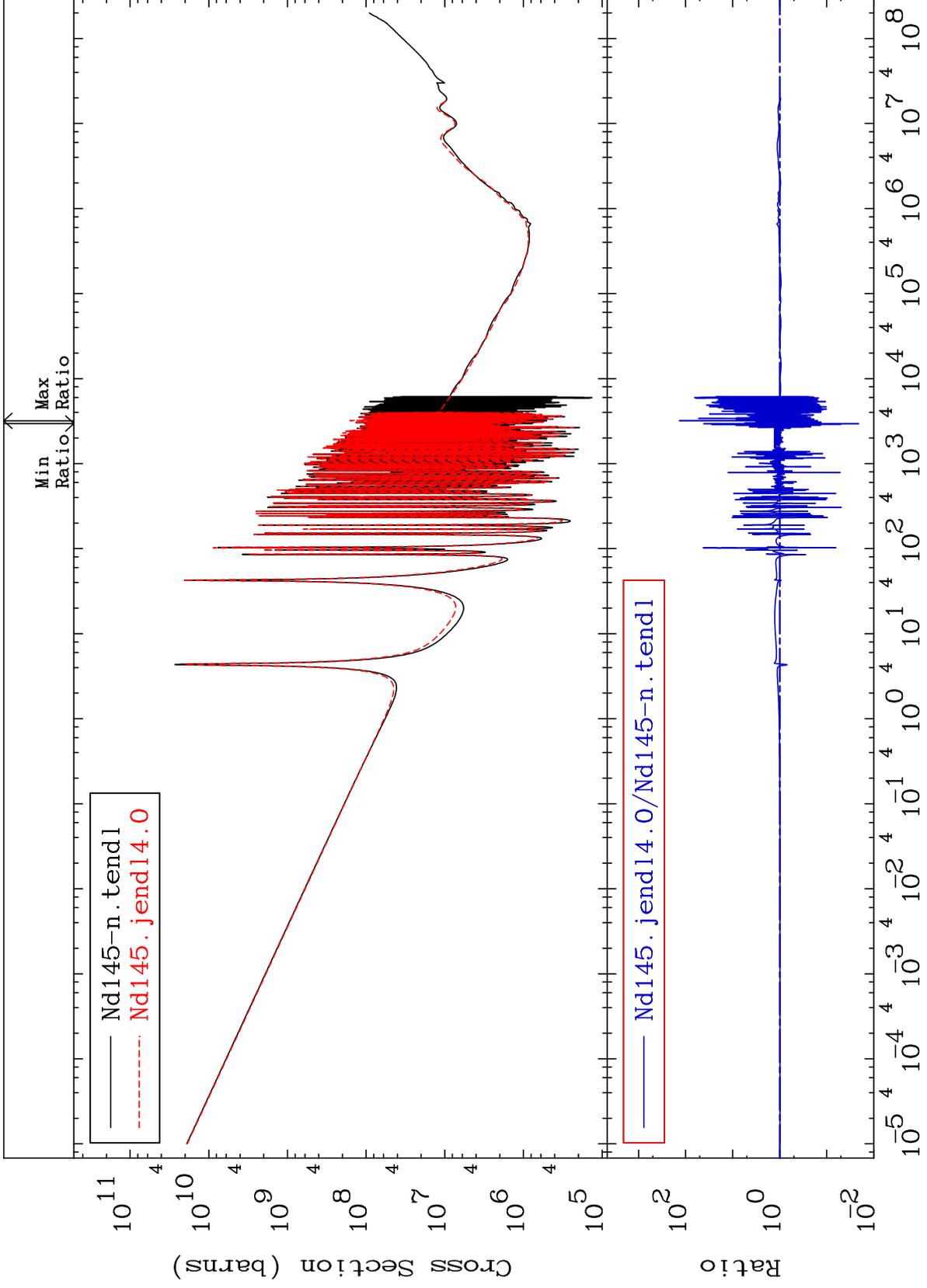
60-Nd-145
-98.79 To 9999. %



MAT 6034

Kerma non-elastic (all but mt2)
Cross Section

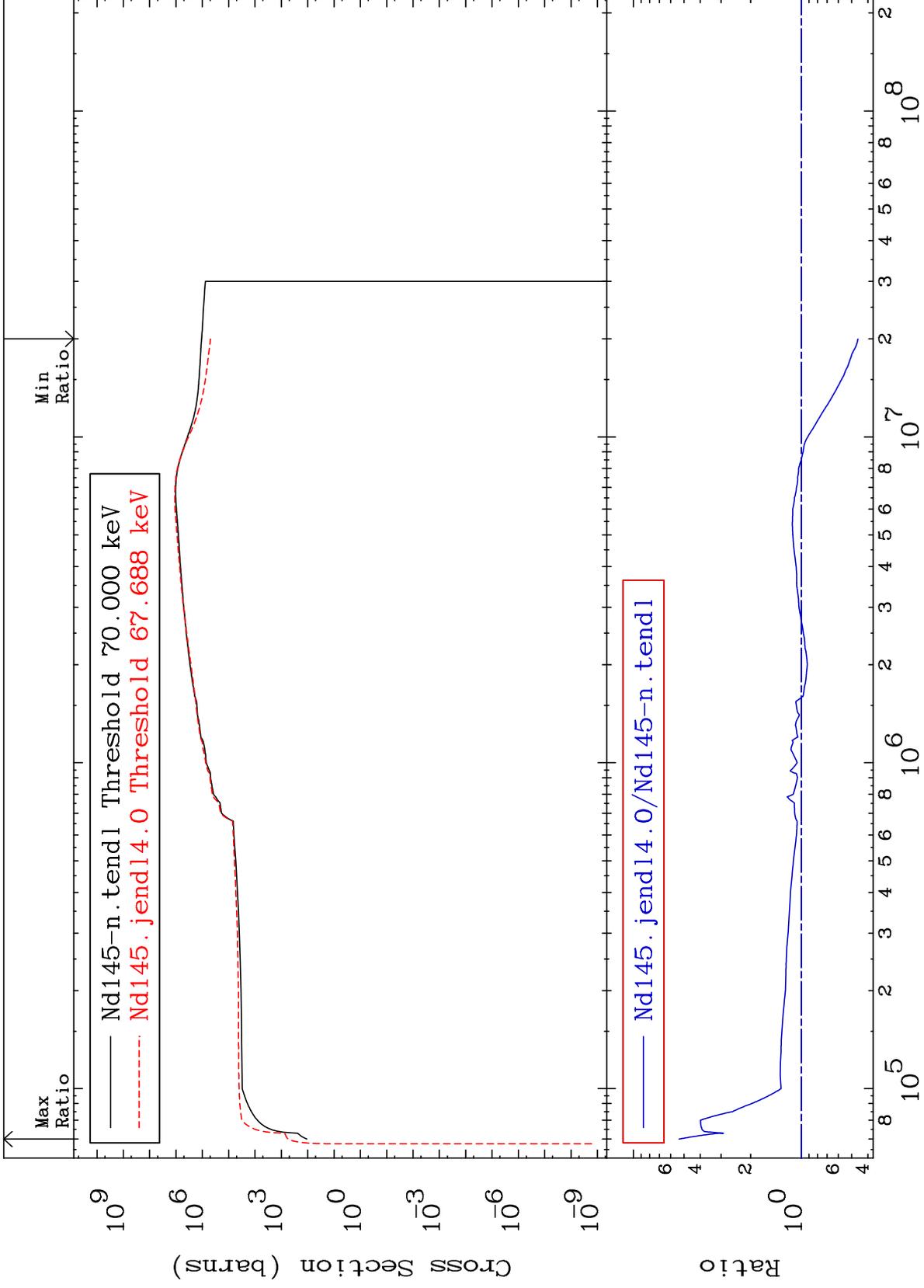
60-Nd-145
-97.90 To 9999. %

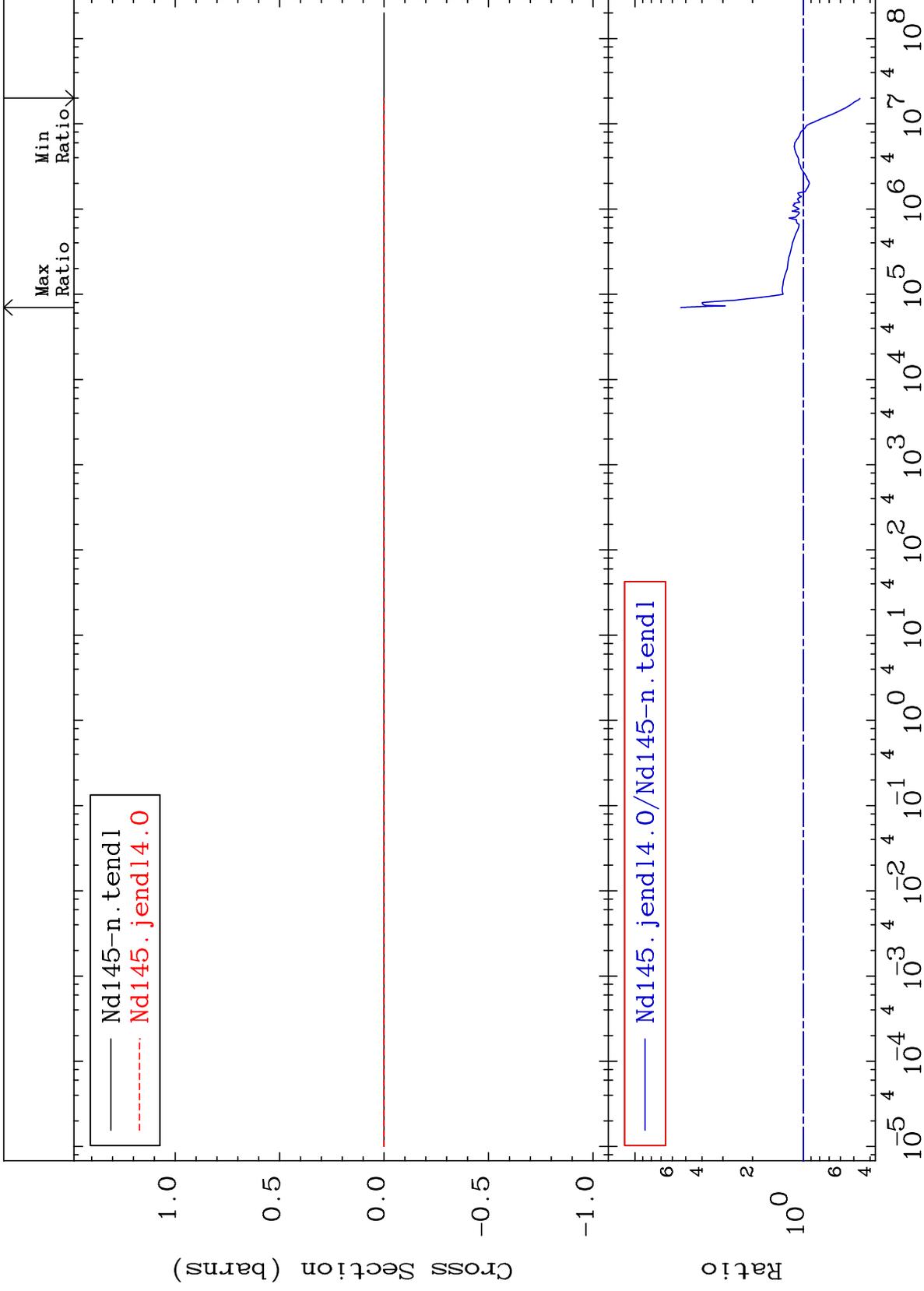


52

Incident Energy (eV)

60-Nd-145

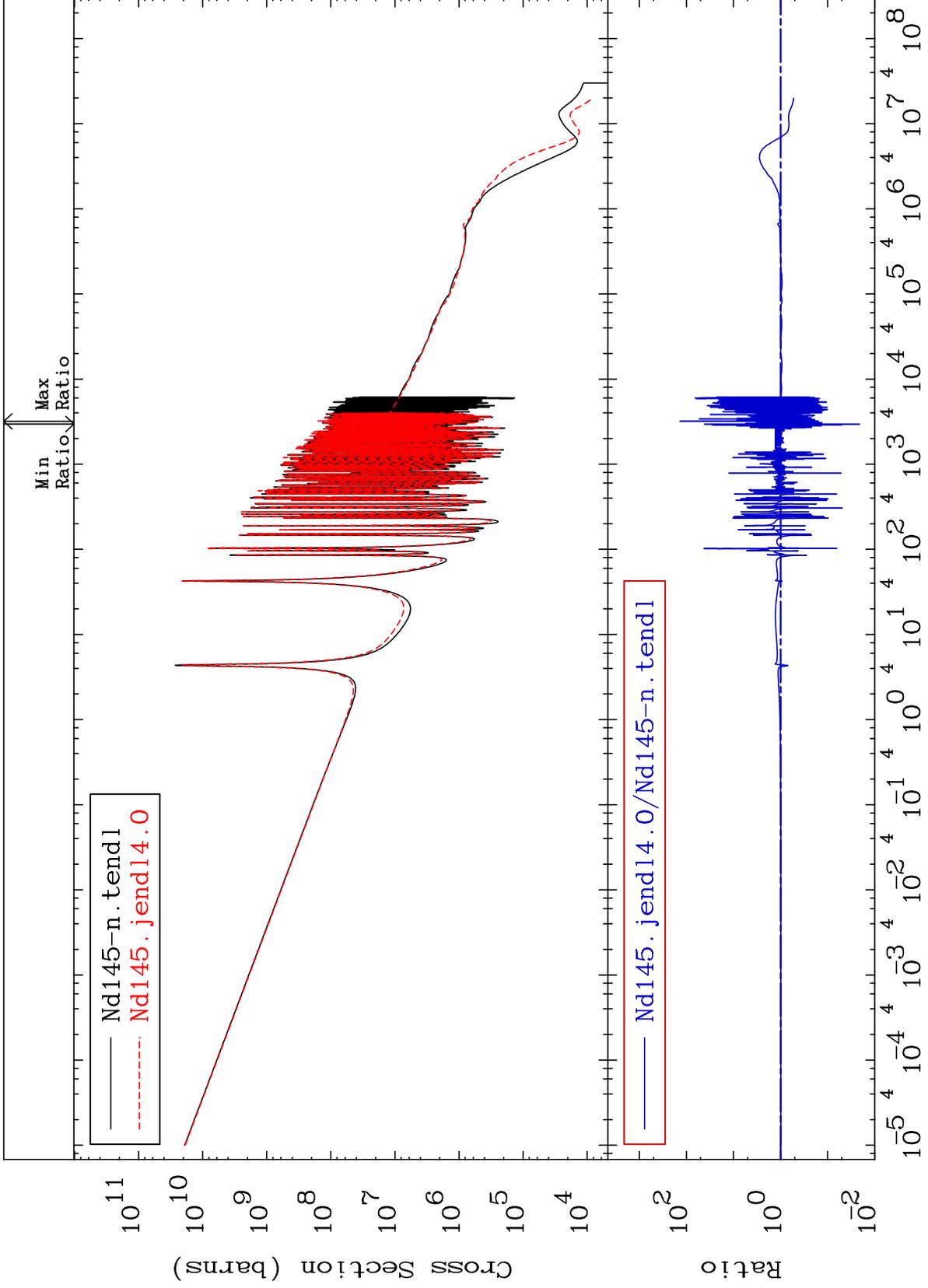




MAT 6034

Kerma capture (mt102)
Cross Section

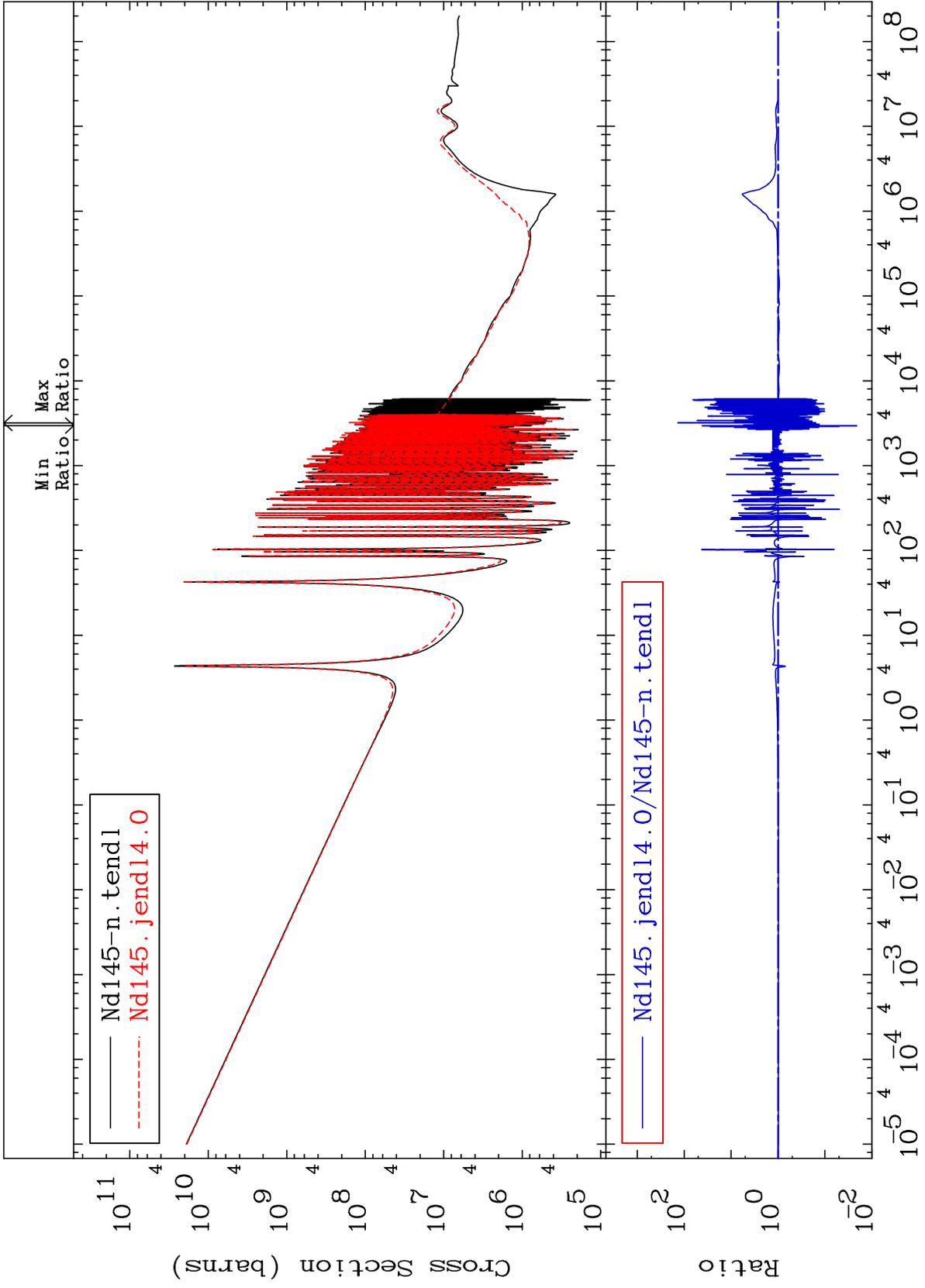
60-Nd-145
-97.90 To 9999. %



MAT 6034

Total photon (eV-barns)
Cross Section

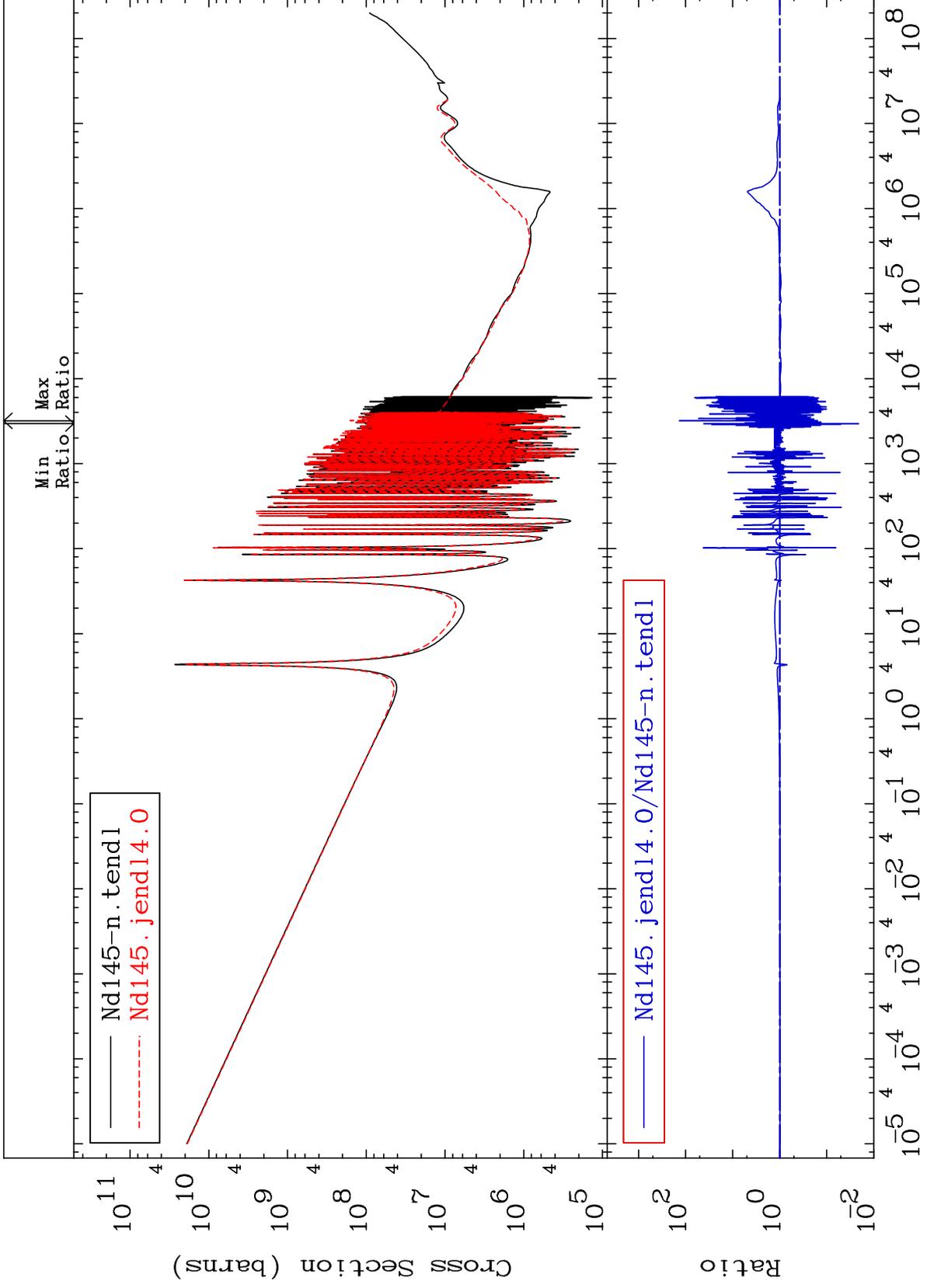
60-Nd-145
-97.90 To 9999. %



MAT 6034

Total kinematic kerma (high limit)
Cross Section

60-Nd-145
-97.89 To 9999. %



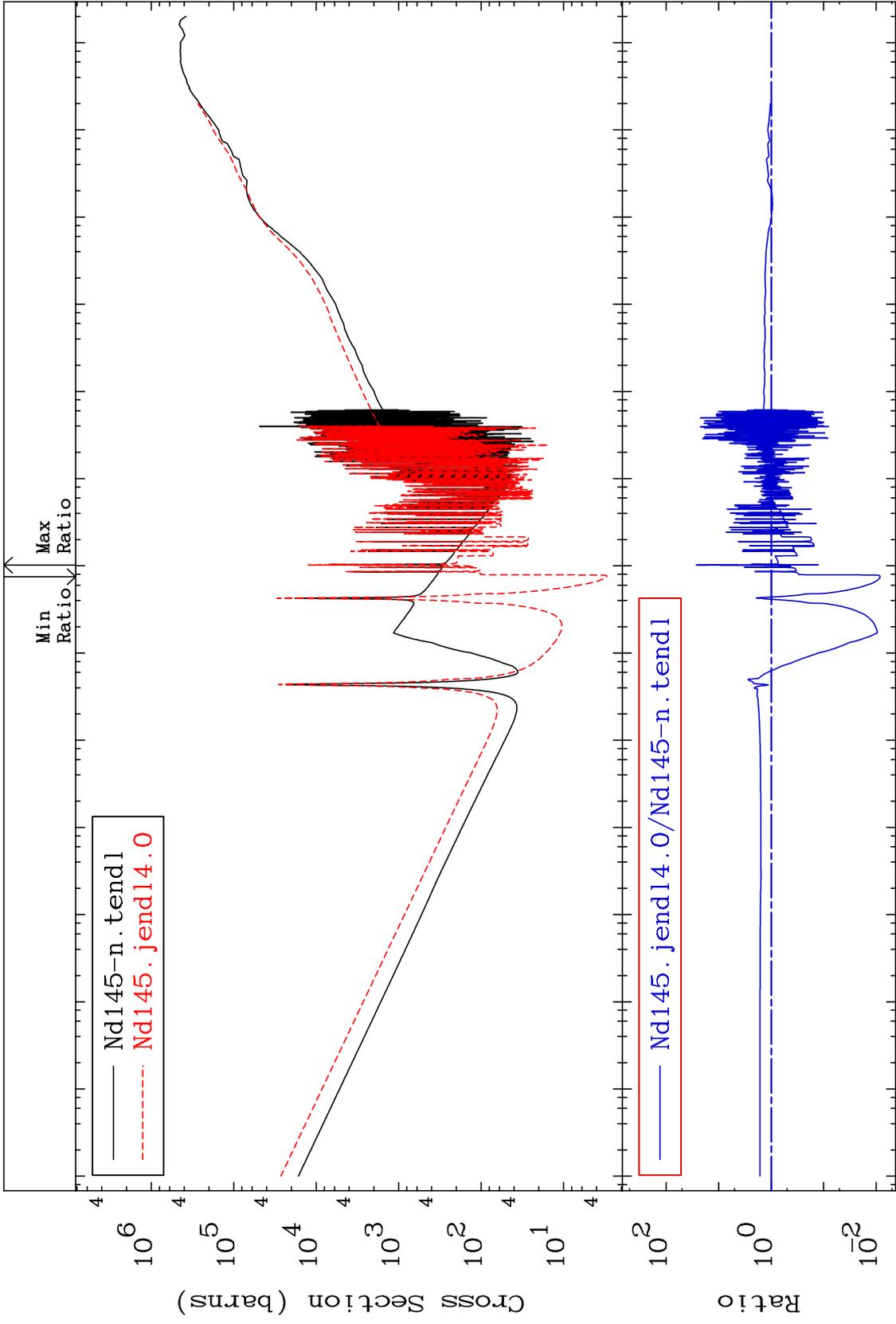
MAT 6034

Dpa total (eV-barns)

60-Nd-145

-99.16 To 2548. %

Cross Section



58

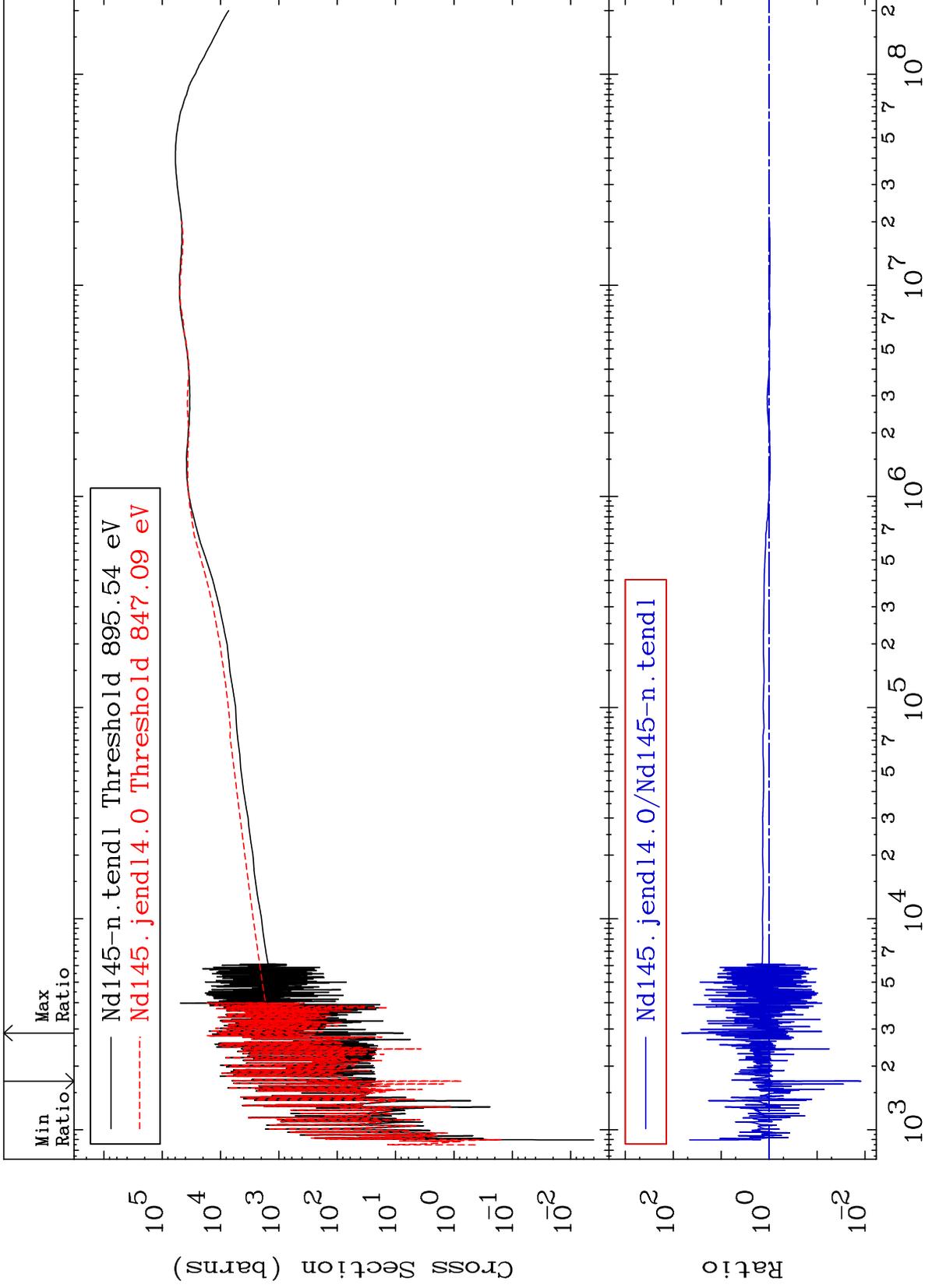
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa elastic (mt2)
Cross Section

60-Nd-145
-98.79 To 6628. %



59

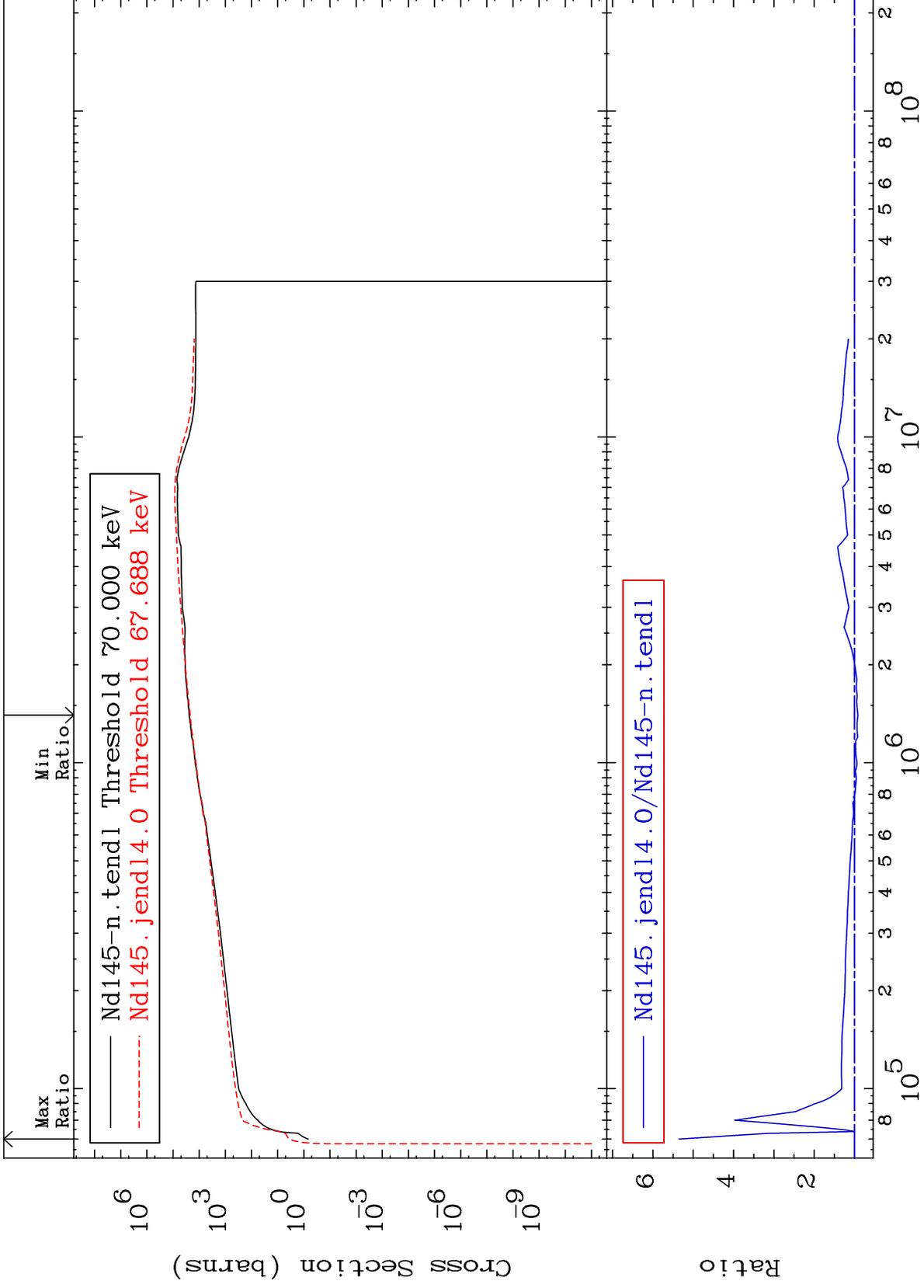
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa inelastic (mt51-91)
Cross Section

60-Nd-145
-8.352 To 435.2 %



60

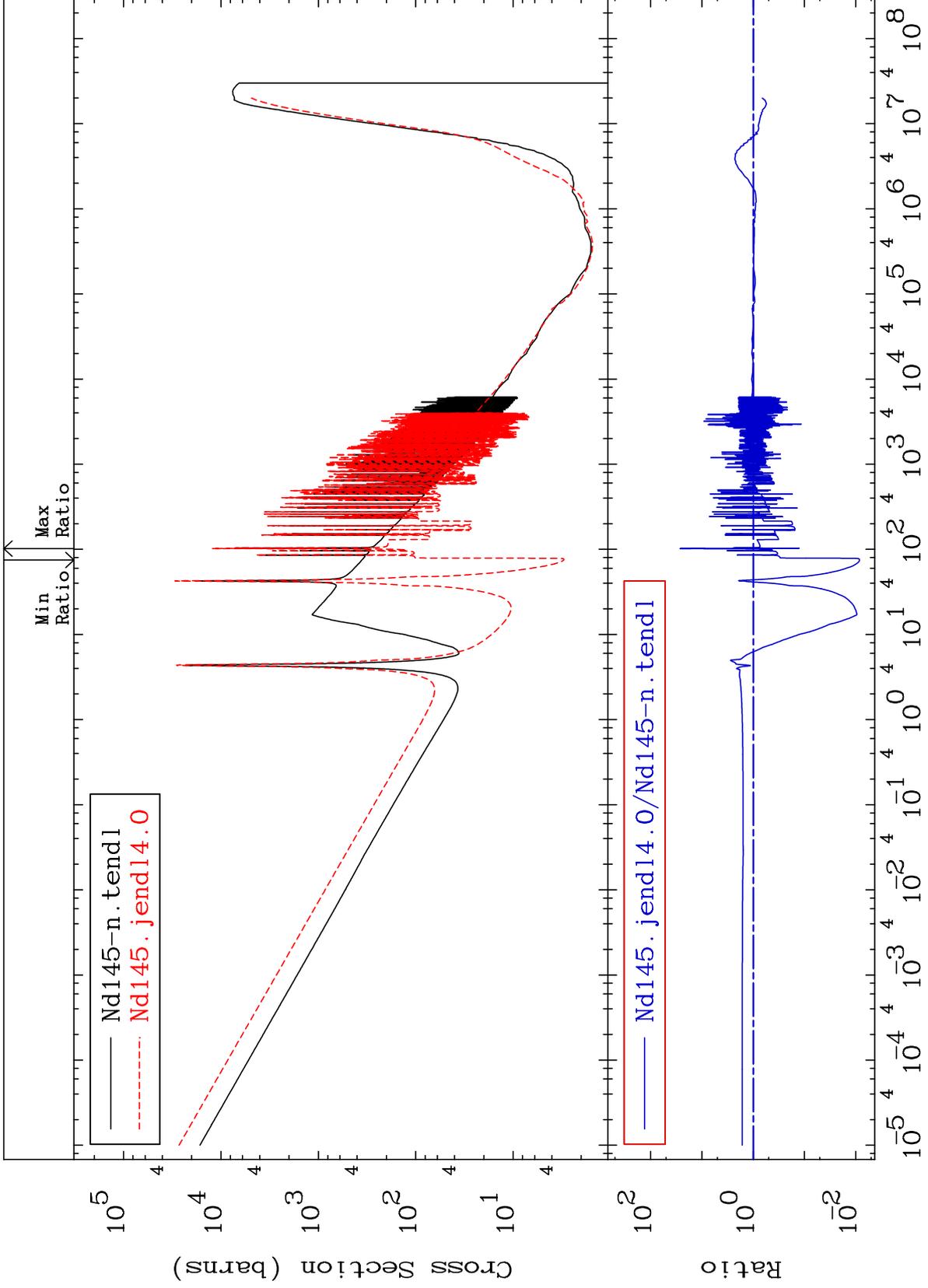
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-145
-99.16 To 2548. %



61

Incident Energy (eV)

60-Nd-145