

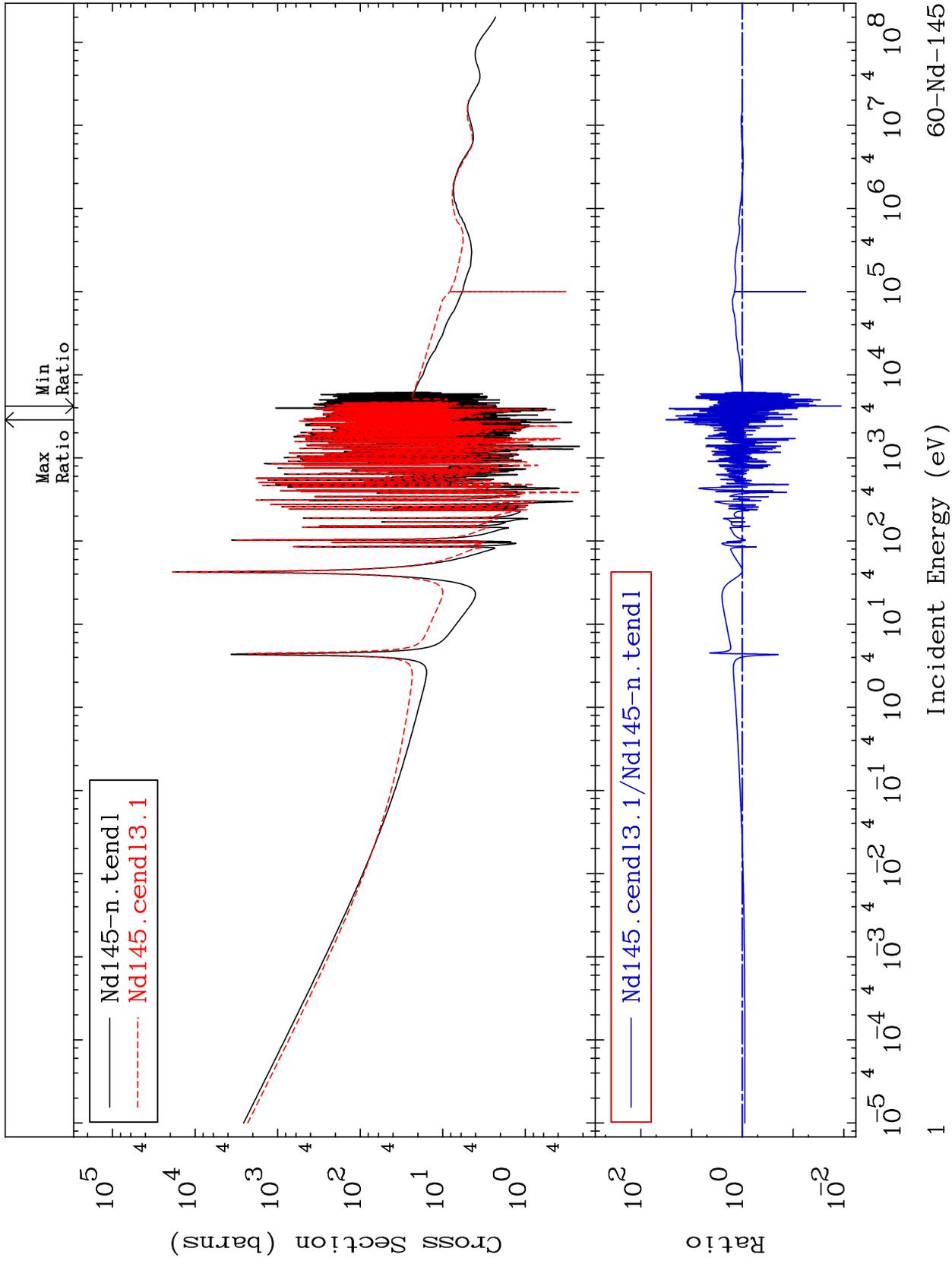
MAT 6034

Total

60-Nd-145

Cross Section

-98.86 To 3093. %



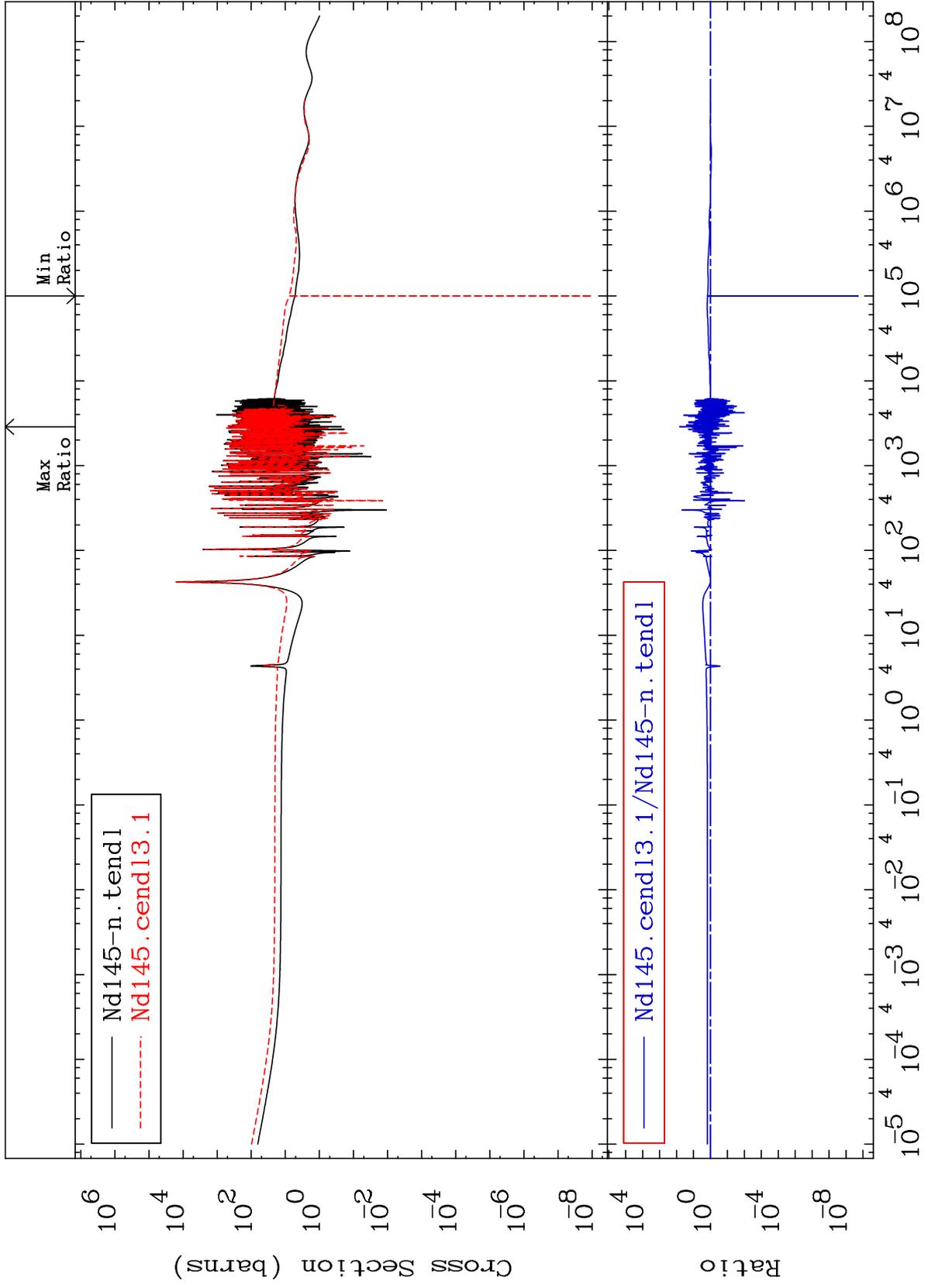
Incident Energy (eV)

60-Nd-145

MAT 6034

Elastic
Cross Section

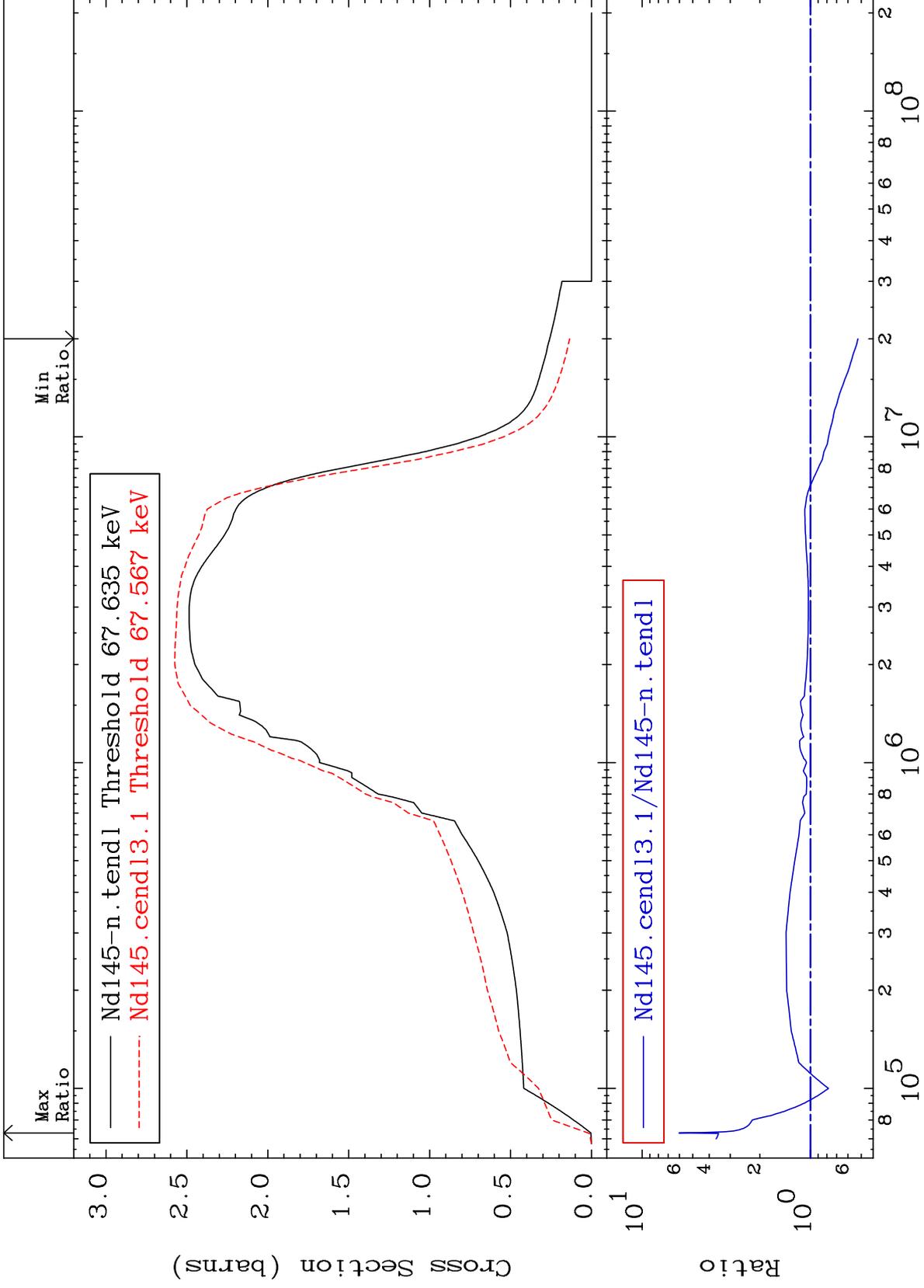
60-Nd-145
-100.0 To 6581. %



MAT 6034

Inelastic
Cross Section

60-Nd-145
-47.71 To 503.8 %



3

Incident Energy (eV)

60-Nd-145

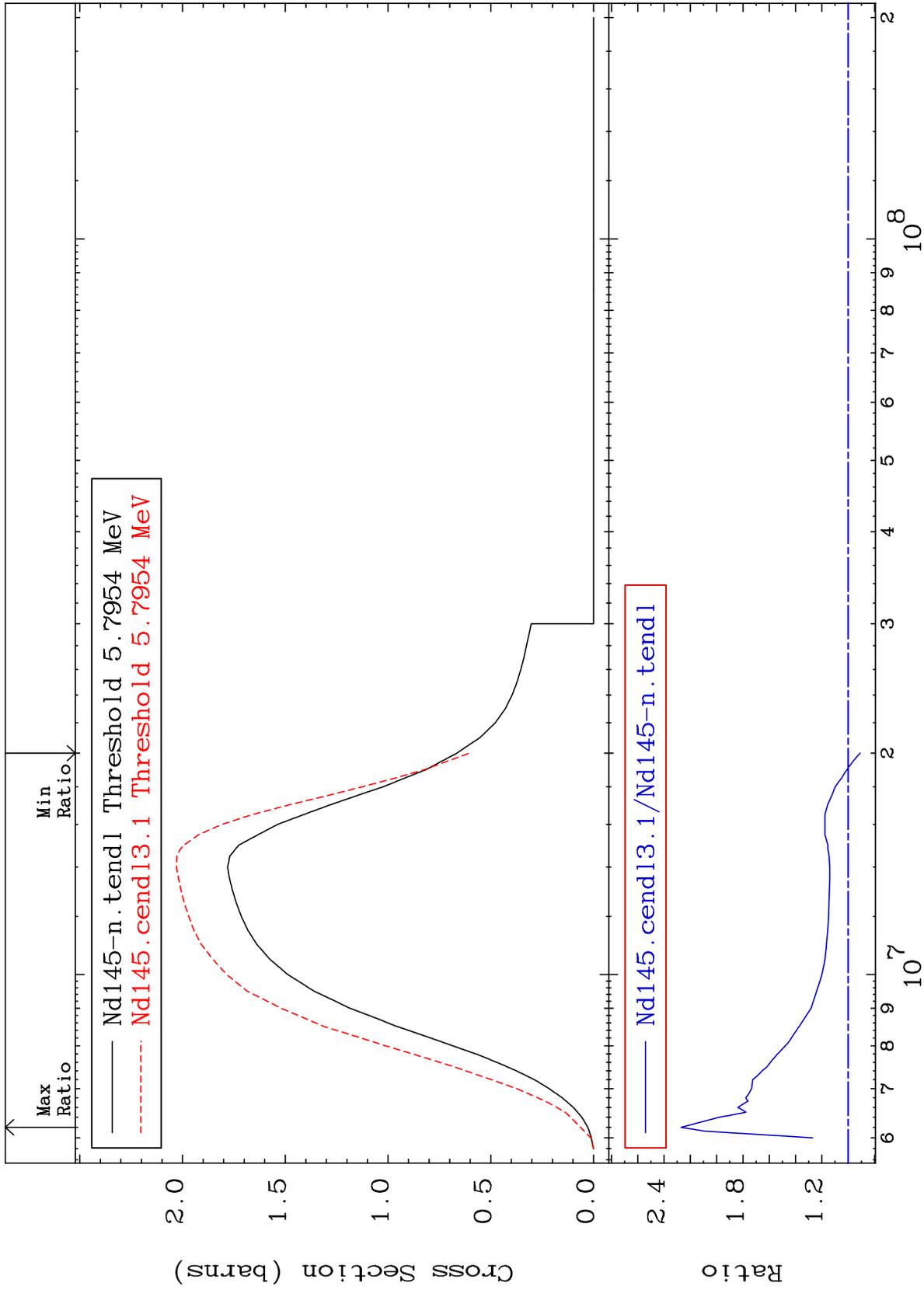
MAT 6034

(n,2n)

60-Nd-145

Cross Section

-9.118 To 127.0 %



4

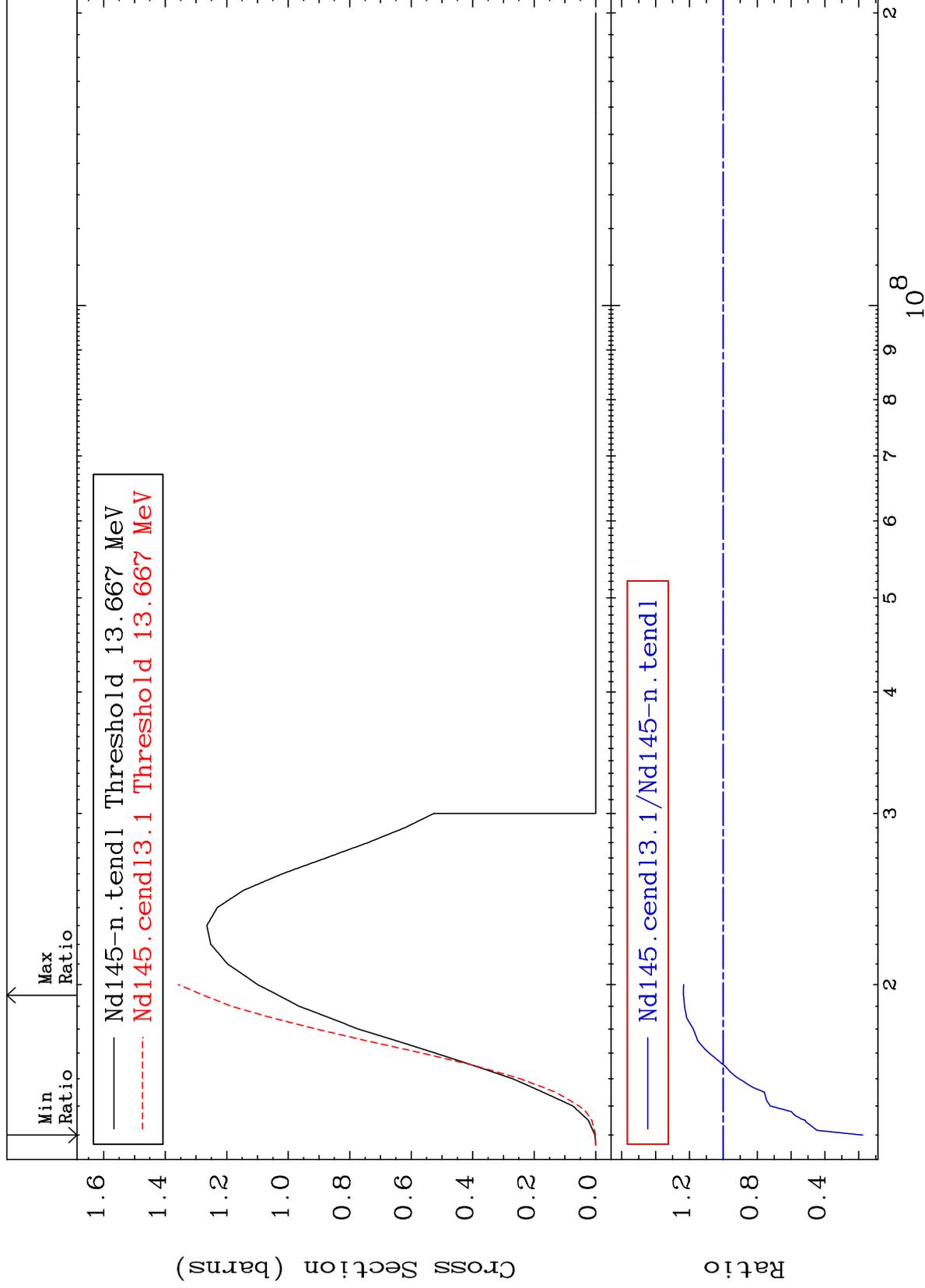
Incident Energy (eV)

60-Nd-145

MAT 6034

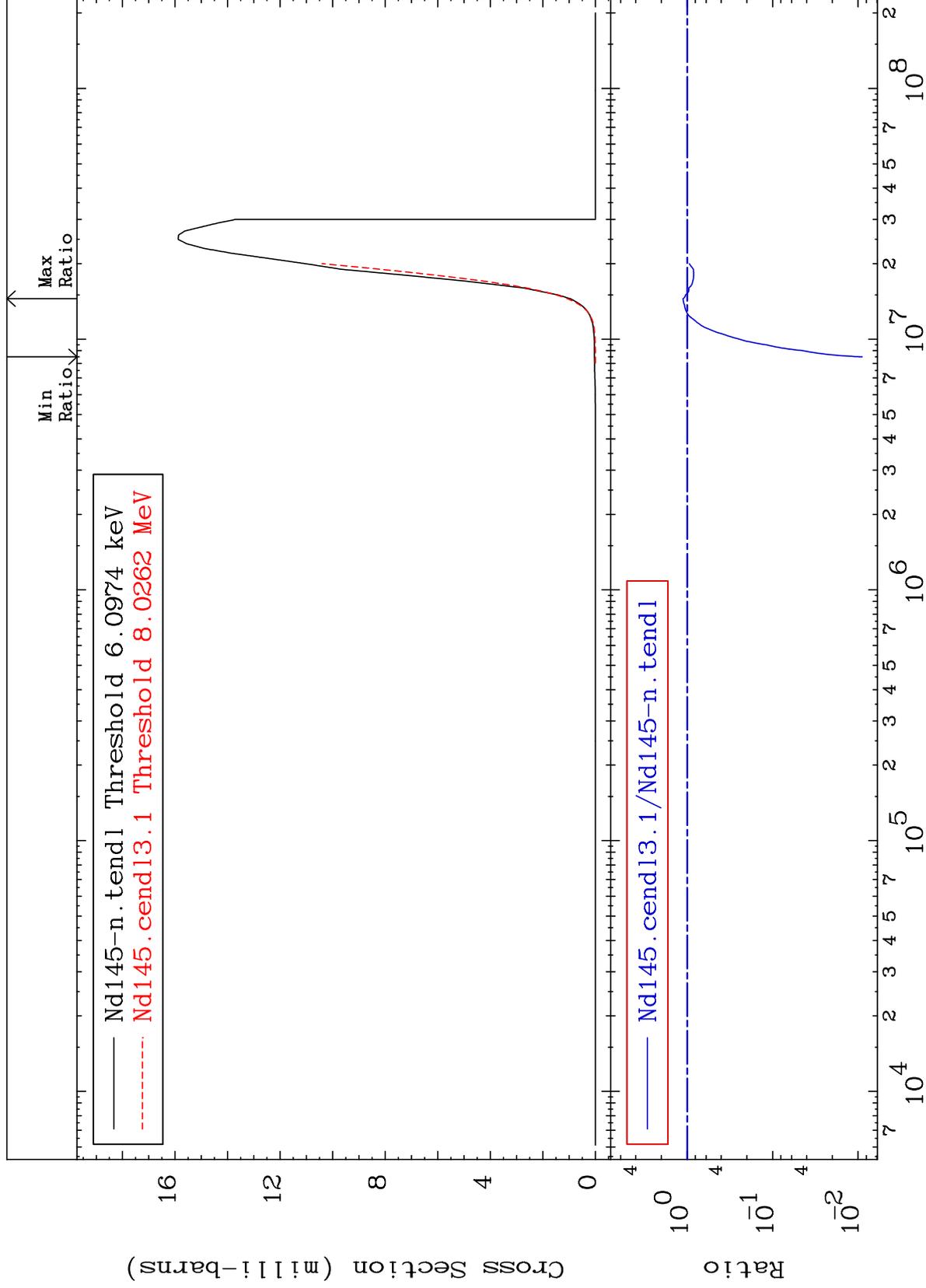
(n,3n)
Cross Section

60-Nd-145
-82.28 To 23.54 %



MAT 6034

$(n, n') \alpha$
Cross Section
60-Nd-145
-99.10 To 11.59 %



6

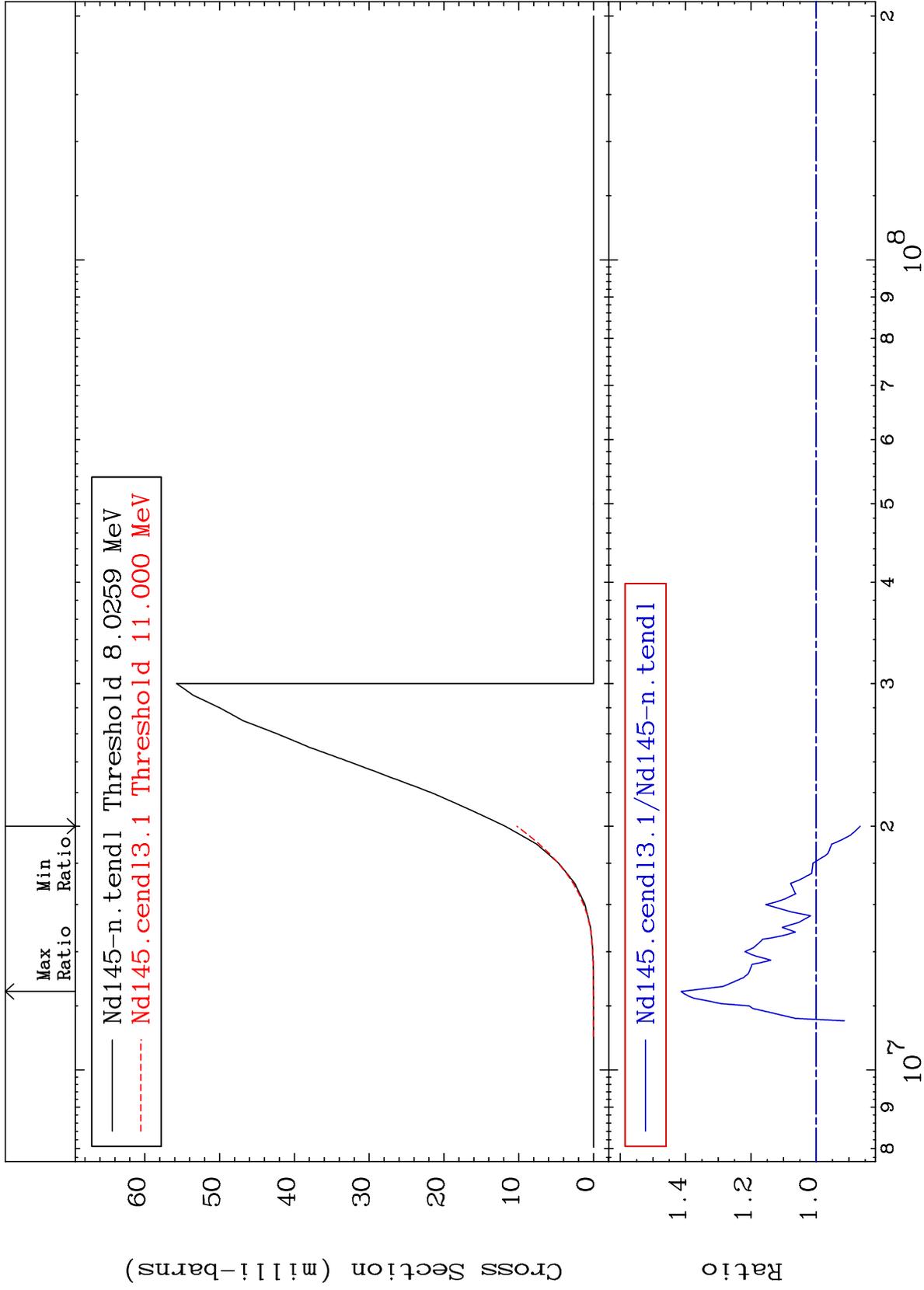
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,n') p
Cross Section

60-Nd-145
-13.48 To 41.36 %



7

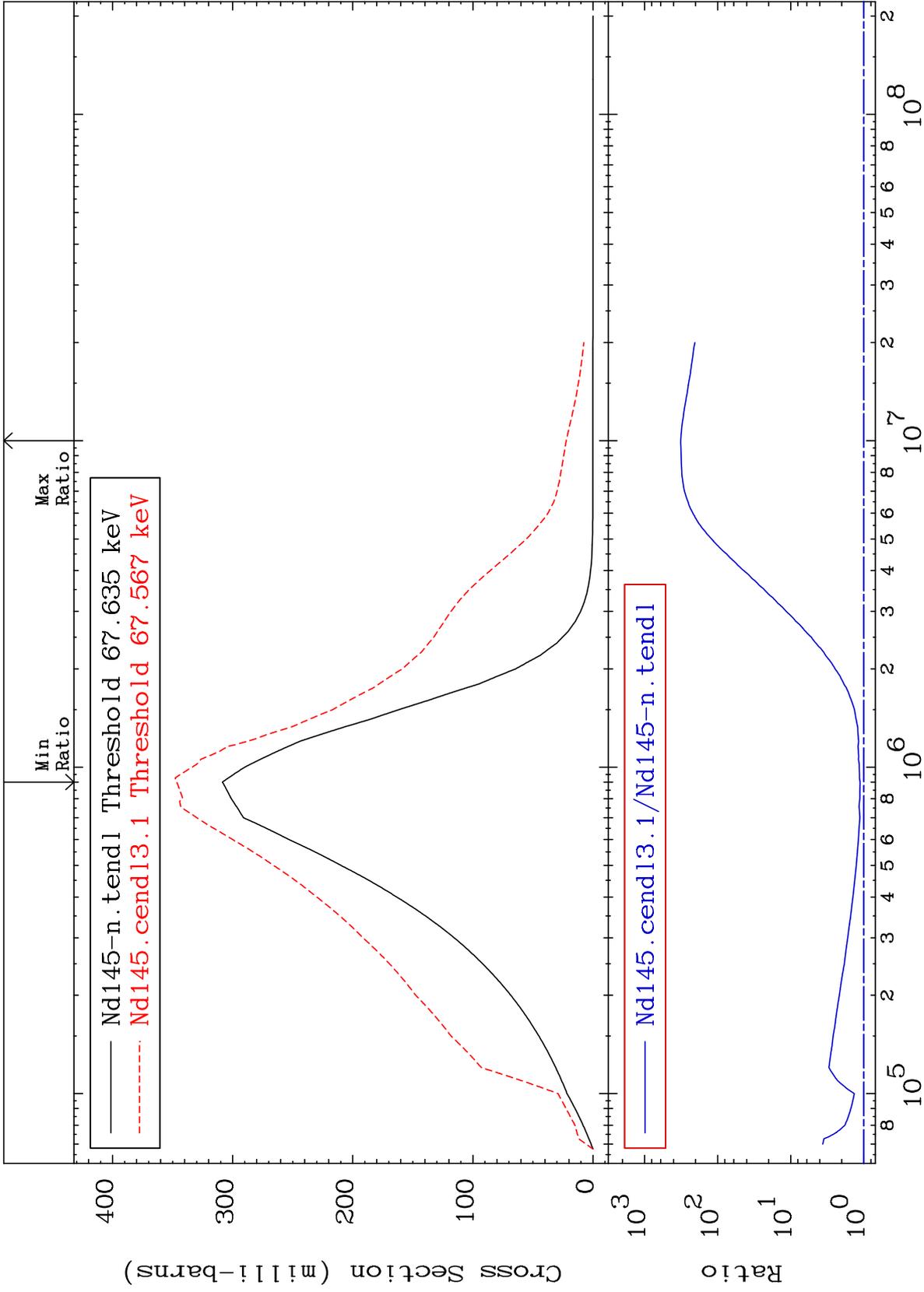
Incident Energy (eV)

60-Nd-145

MAT 6034

67.17 keV (n,n') Level
Cross Section

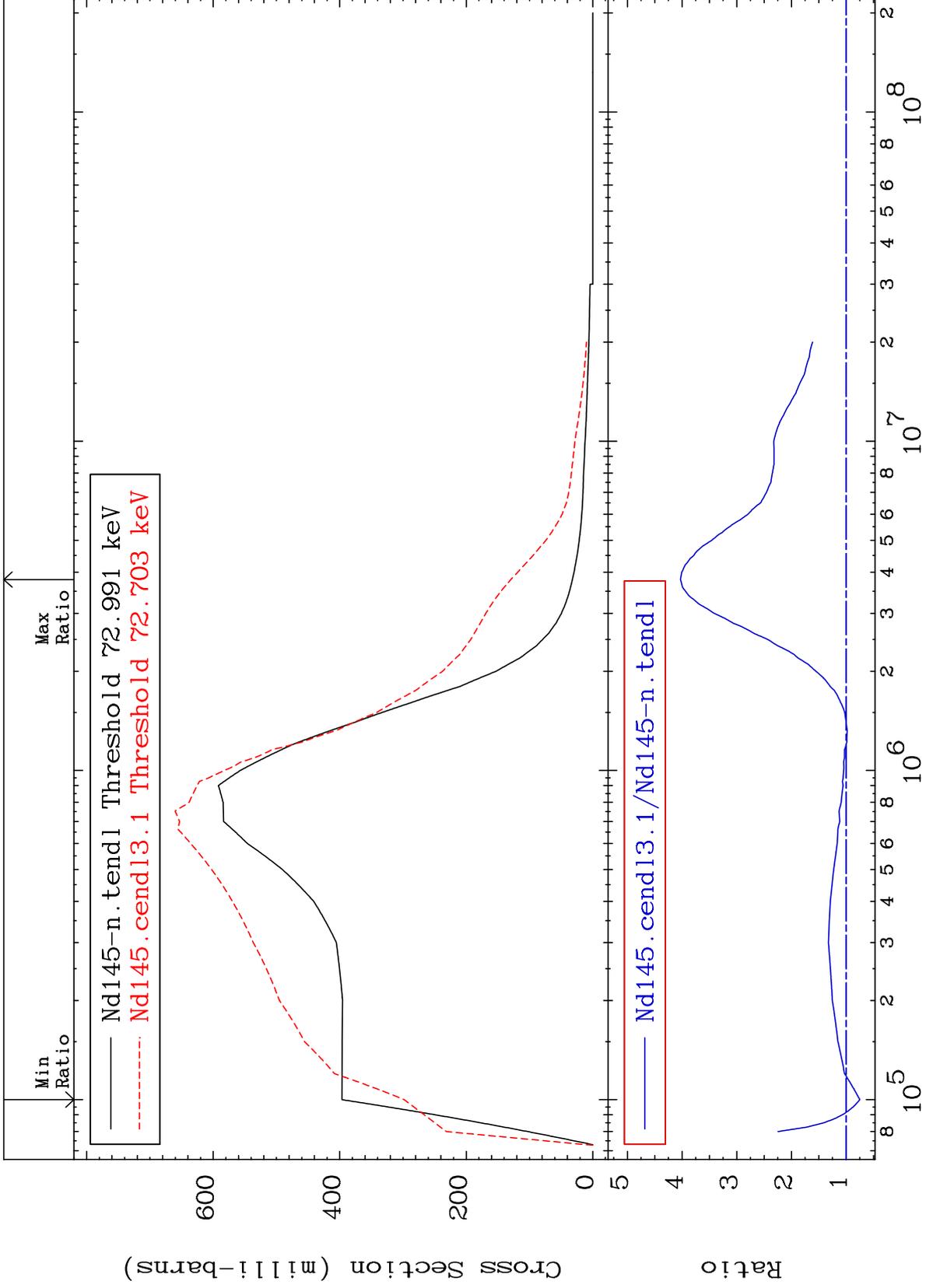
60-Nd-145
12.33 To 9999. %



MAT 6034

72.49 keV (n,n') Level
Cross Section

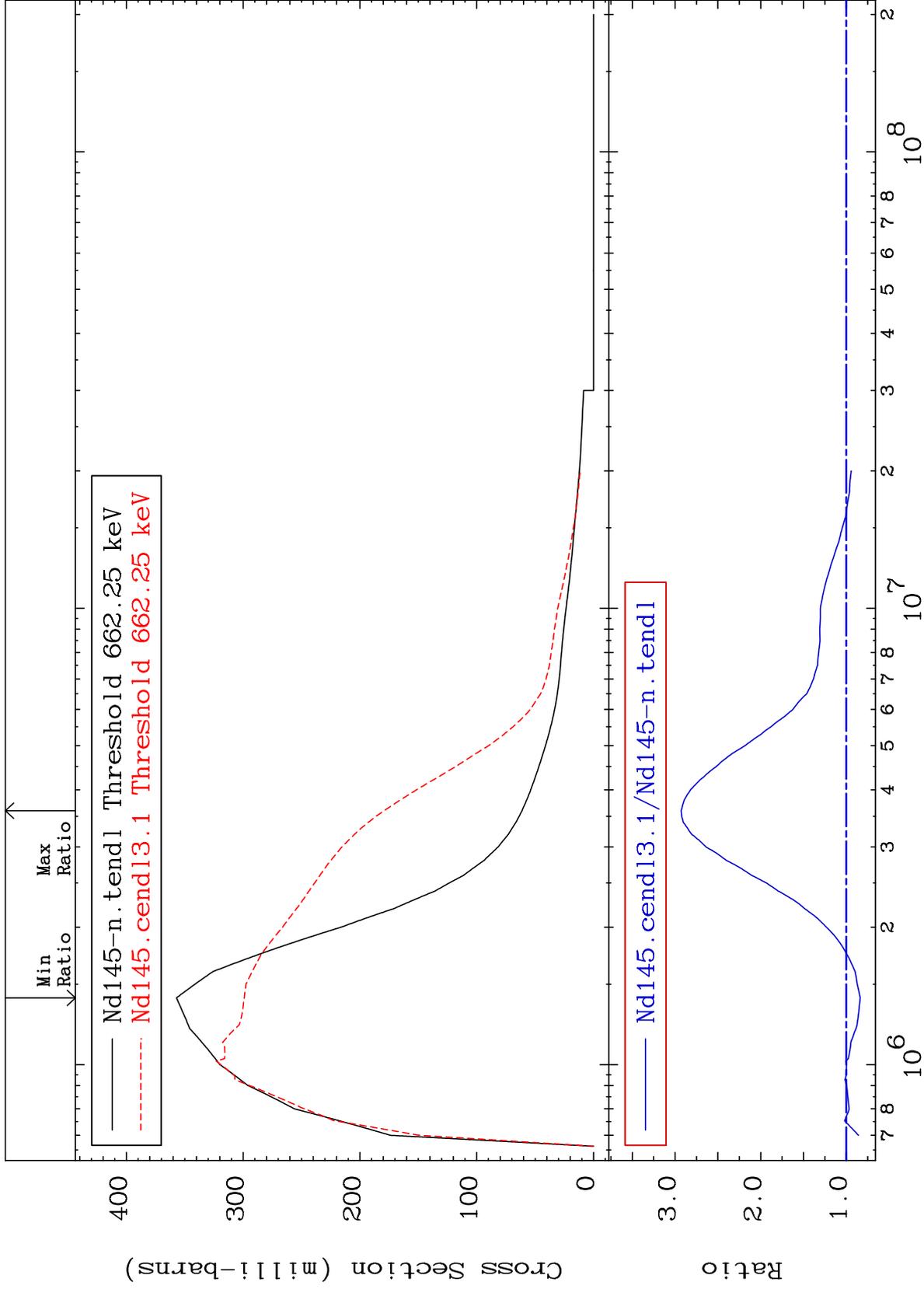
60-Nd-145
-24.85 To 302.8 %



MAT 6034

657.7 keV (n,n') Level
Cross Section

60-Nd-145
-16.25 To 192.9 %



10

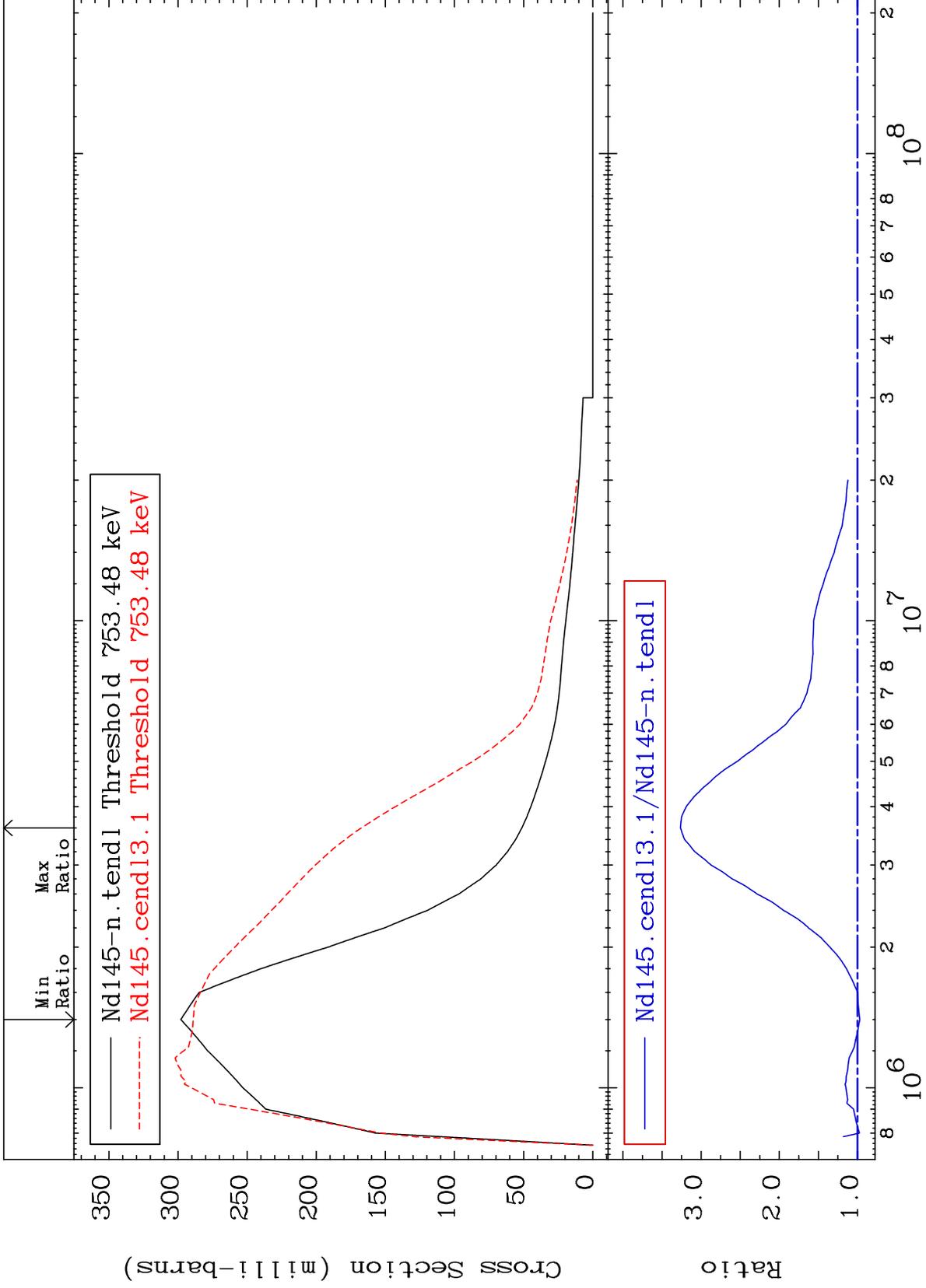
Incident Energy (eV)

60-Nd-145

MAT 6034

748.3 keV (n,n') Level
Cross Section

60-Nd-145
-2.994 To 226.3 %



11

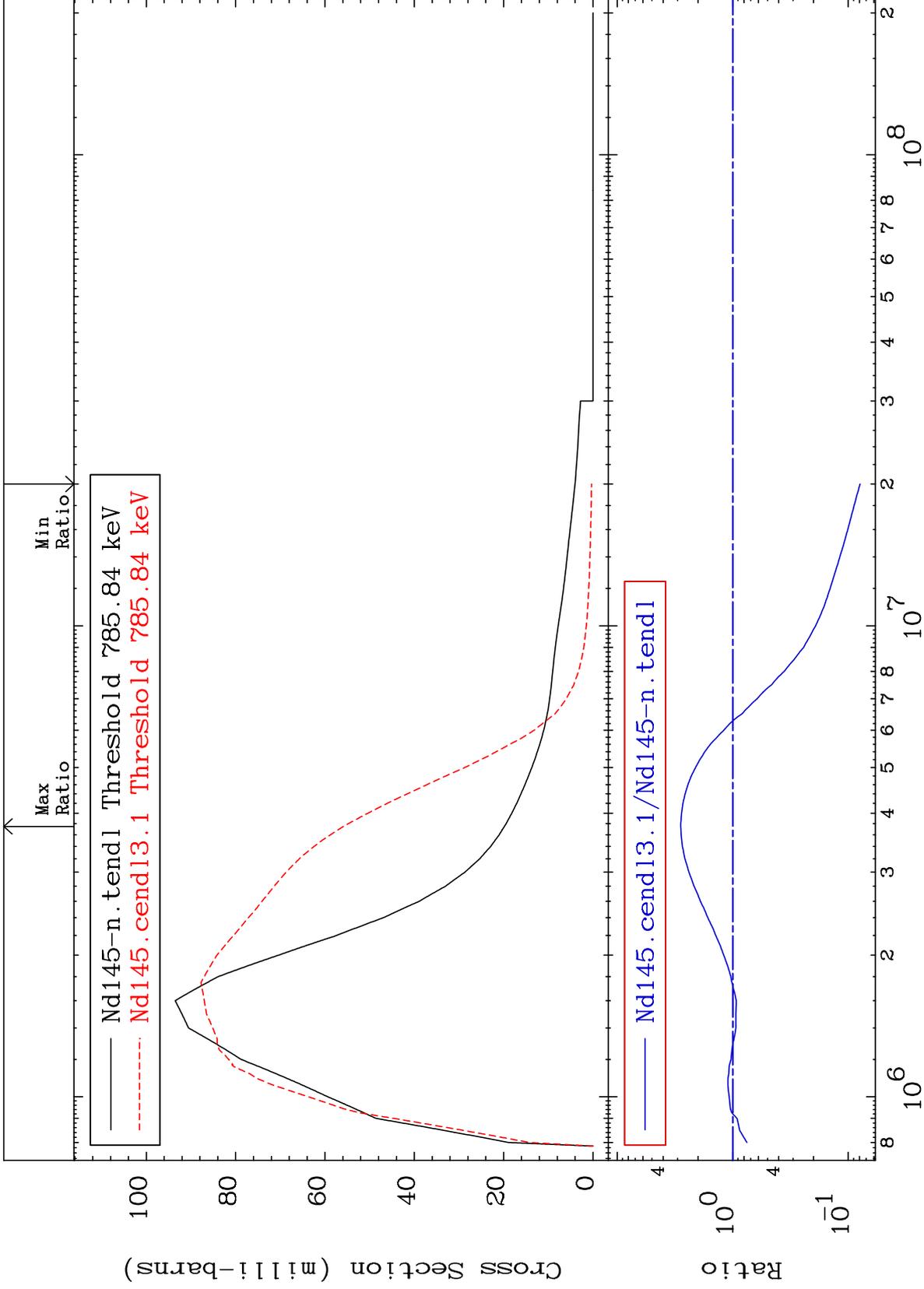
Incident Energy (eV)

60-Nd-145

MAT 6034

780.4 keV (n,n') Level
Cross Section

60-Nd-145
-92.11 To 181.7 %



12

Incident Energy (eV)

60-Nd-145

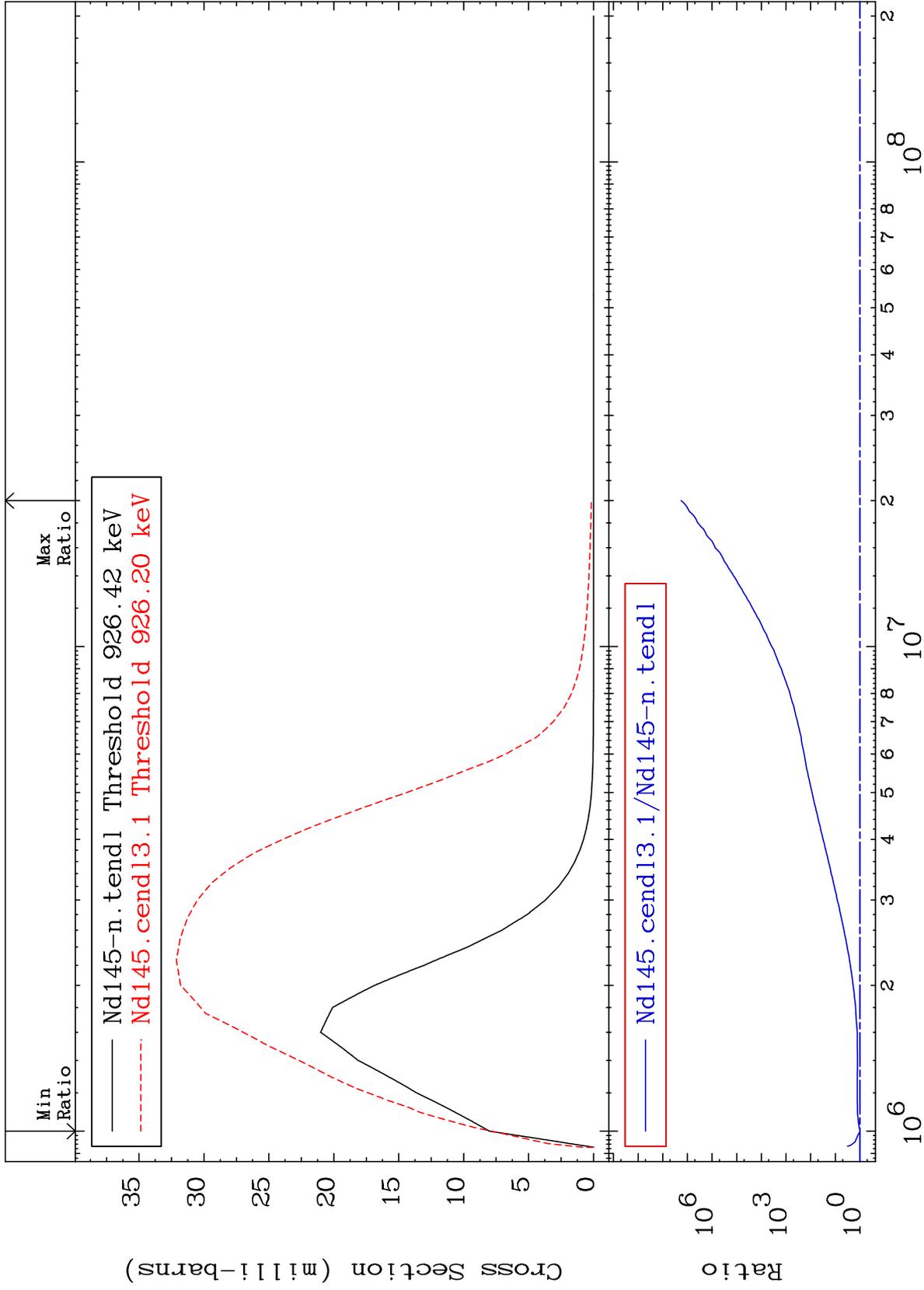
MAT 6034

920.0 keV (n,n') Level

60-Nd-145

-2.233 To 9999. %

Cross Section



13

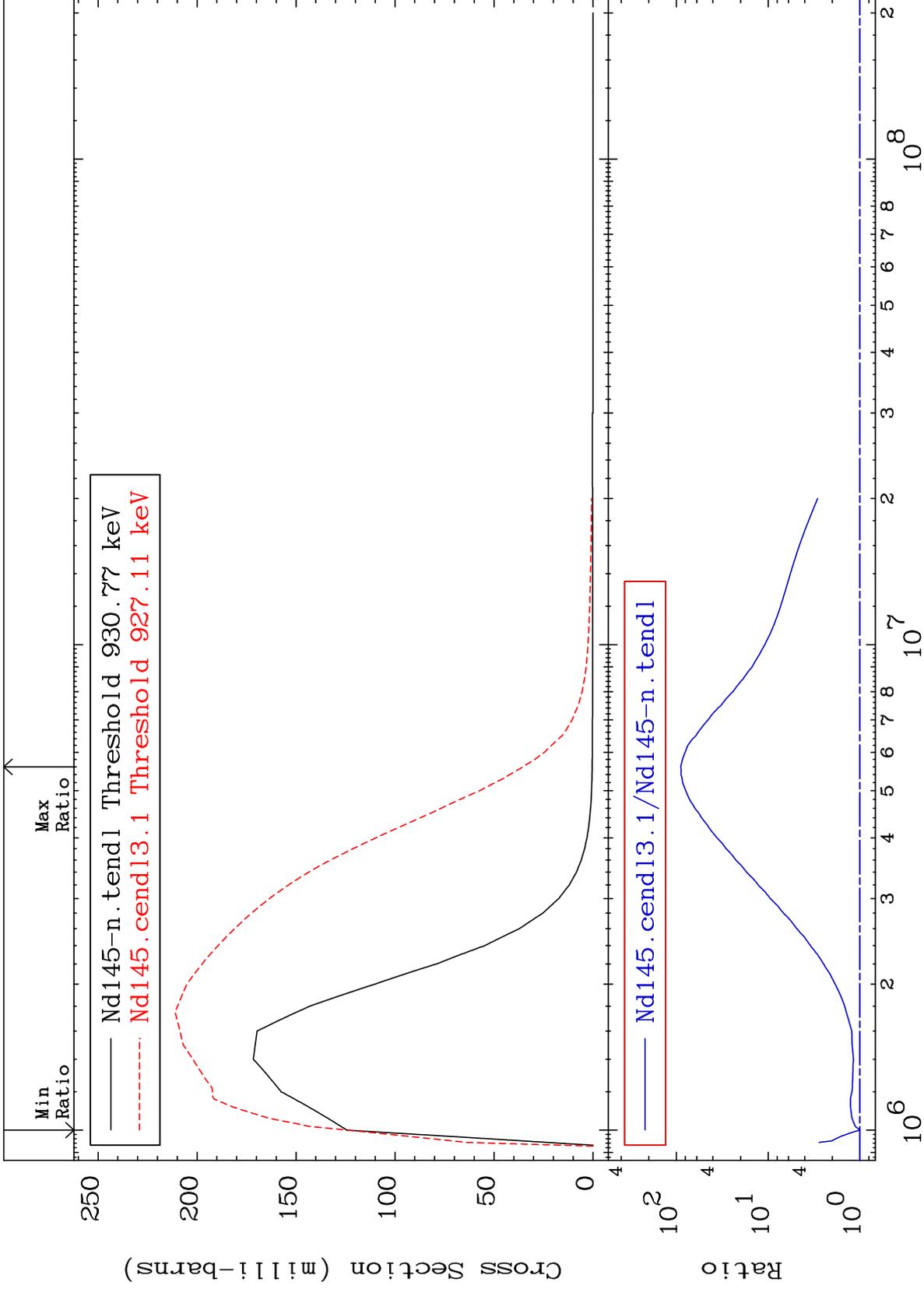
Incident Energy (eV)

60-Nd-145

MAT 6034

924.3 keV (n,n') Level
Cross Section

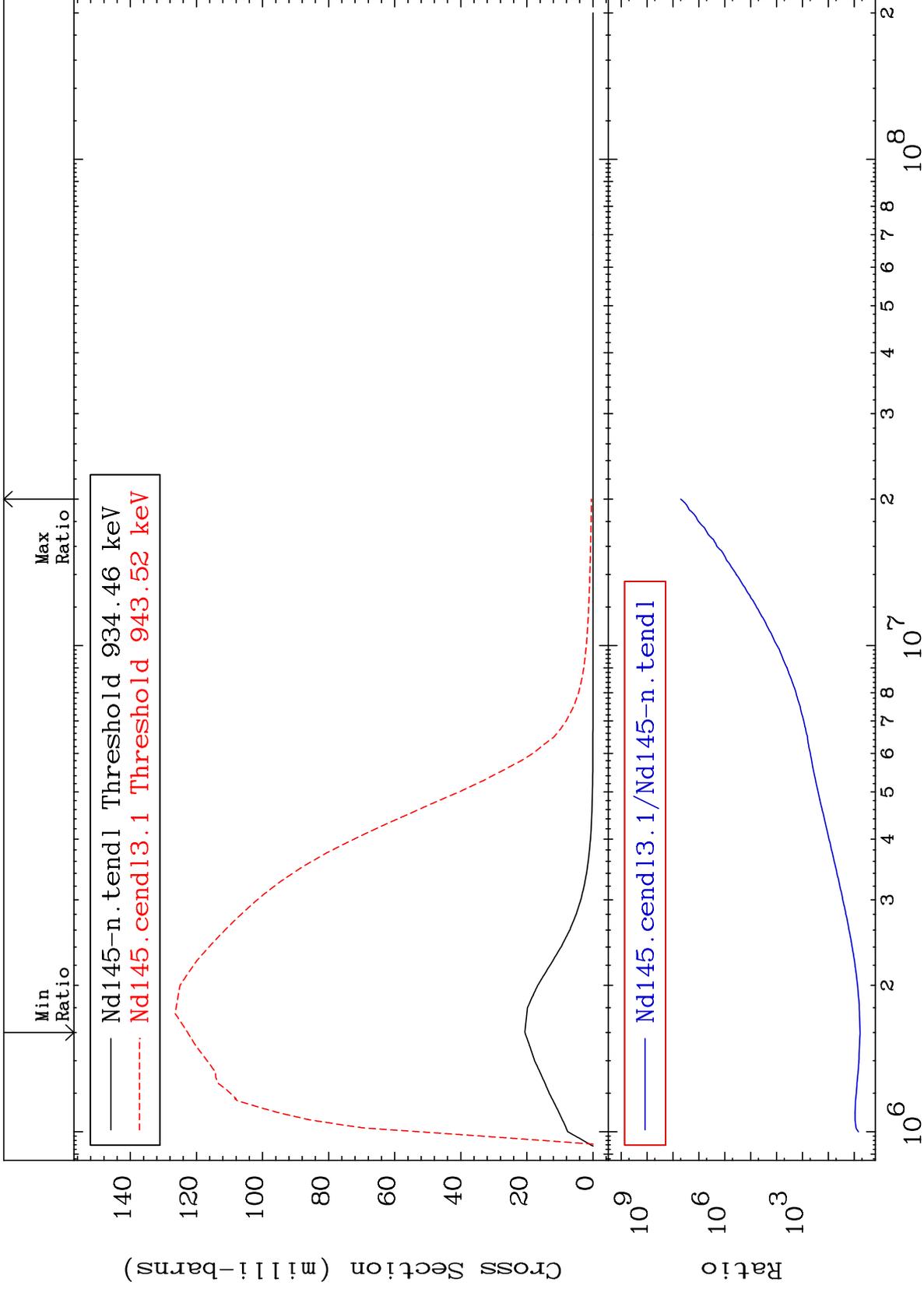
60-Nd-145
-0.343 To 8870. %



MAT 6034

928.0 keV (n,n') Level
Cross Section

60-Nd-145
495.2 To 9999. %



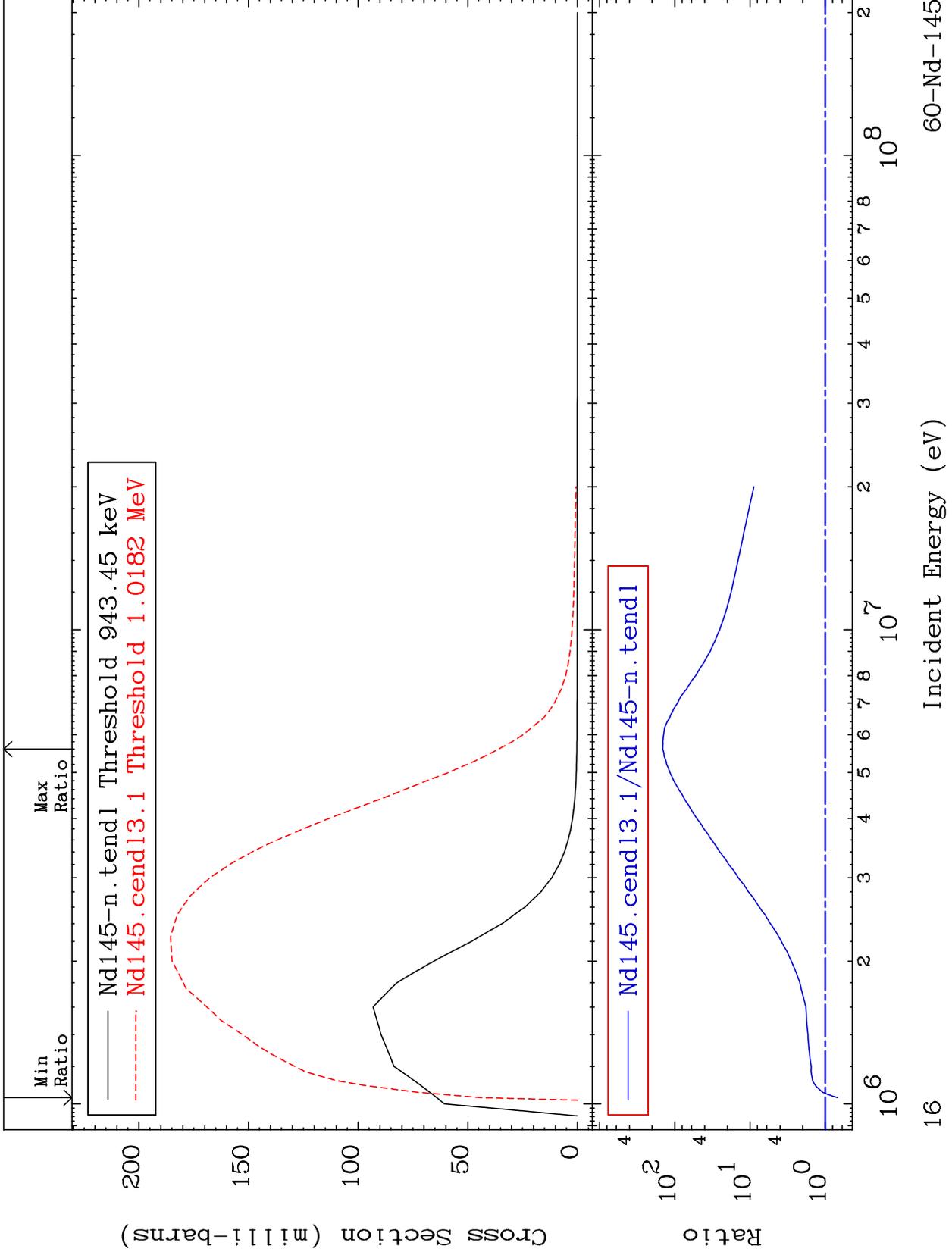
15

60-Nd-145

MAT 6034

936.9 keV (n,n') Level
Cross Section

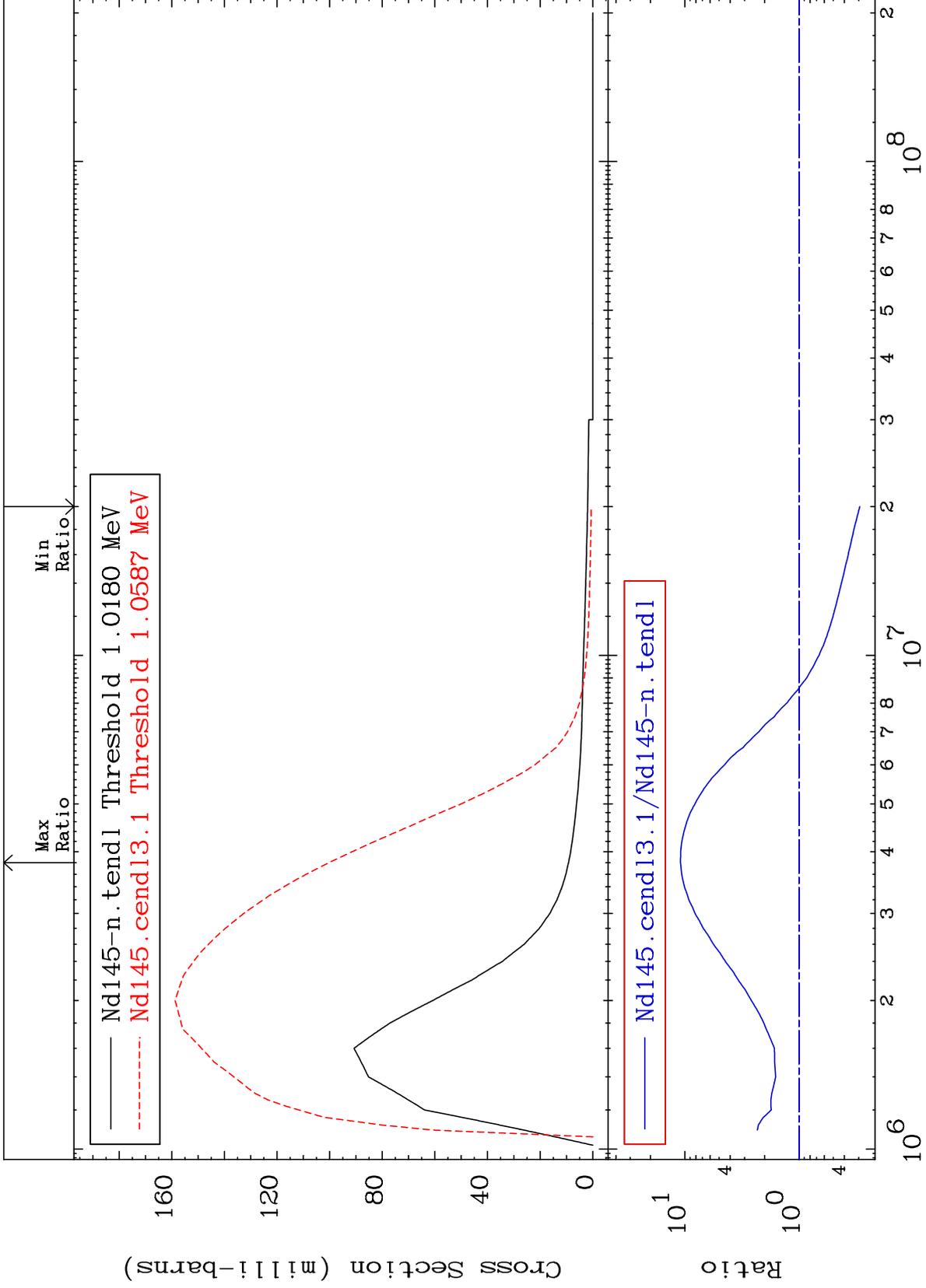
60-Nd-145
-30.97 To 9999. %



MAT 6034

1.011 MeV (n,n') Level
Cross Section

60-Nd-145
-70.66 To 989.3 %



17

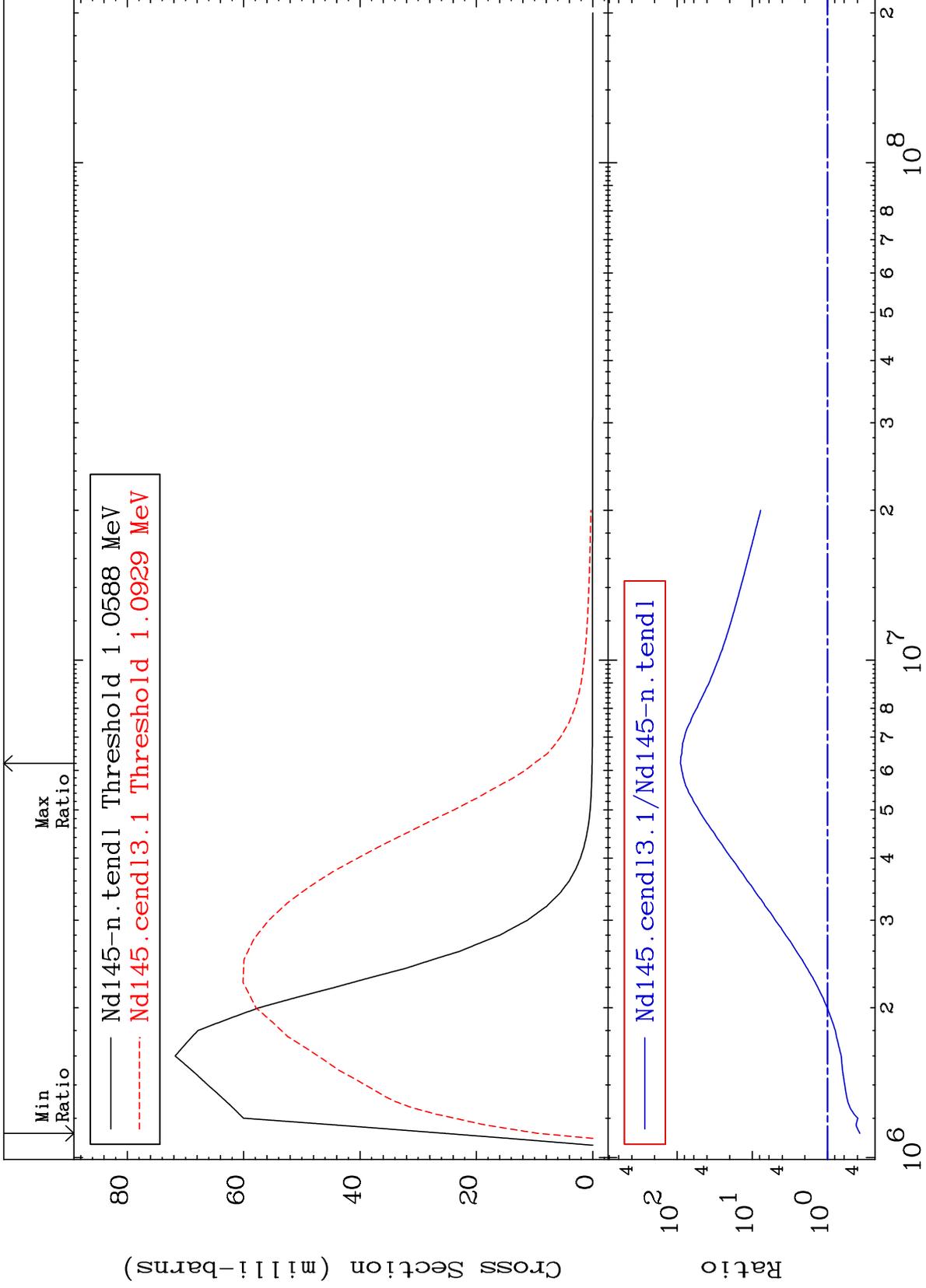
Incident Energy (eV)

60-Nd-145

MAT 6034

1.051 MeV (n,n') Level
Cross Section

60-Nd-145
-62.74 To 8916. %



18

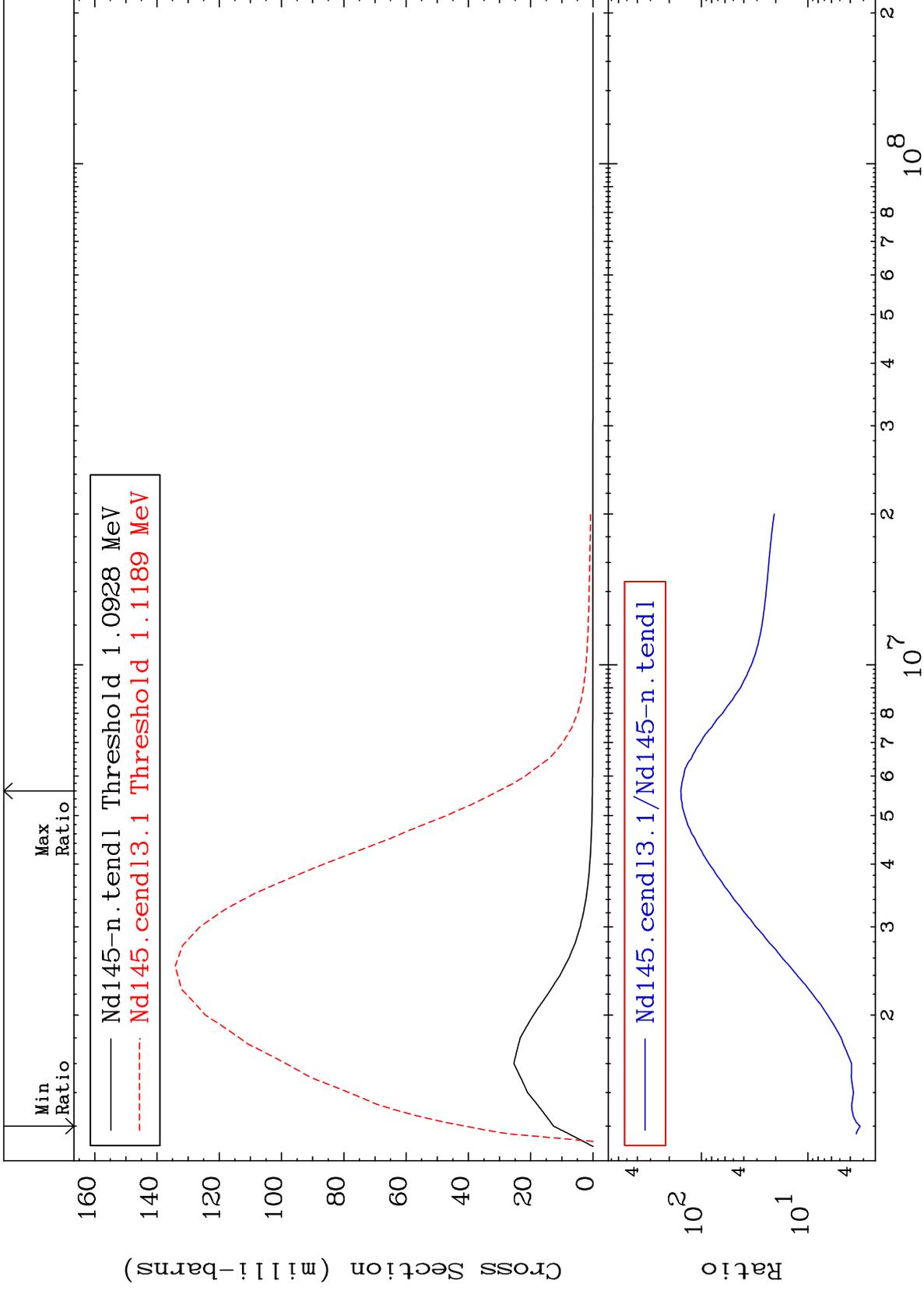
Incident Energy (eV)

60-Nd-145

MAT 6034

1.085 MeV (n,n') Level
Cross Section

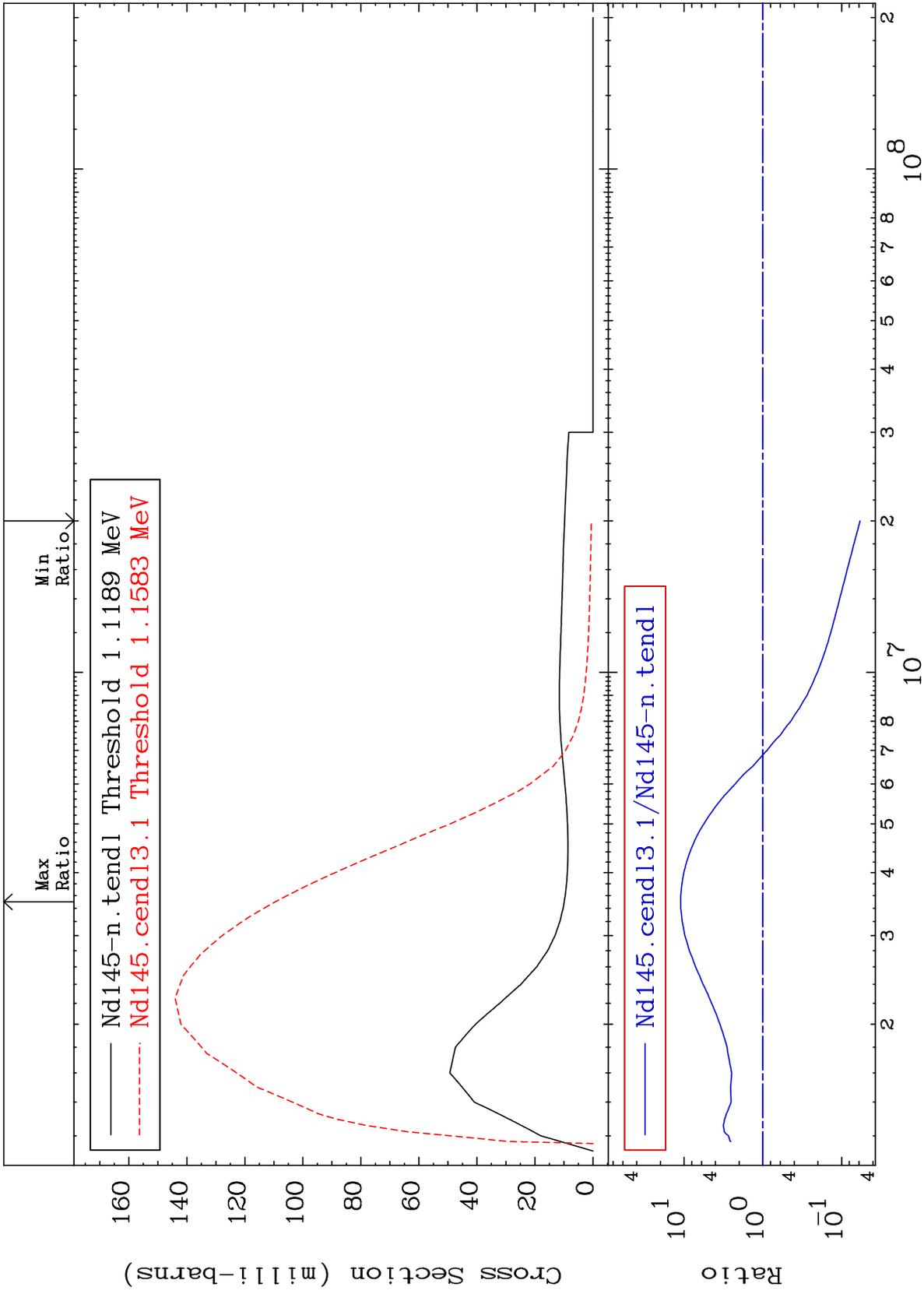
60-Nd-145
222.8 To 9999. %



MAT 6034

1.111 MeV (n,n') Level
Cross Section

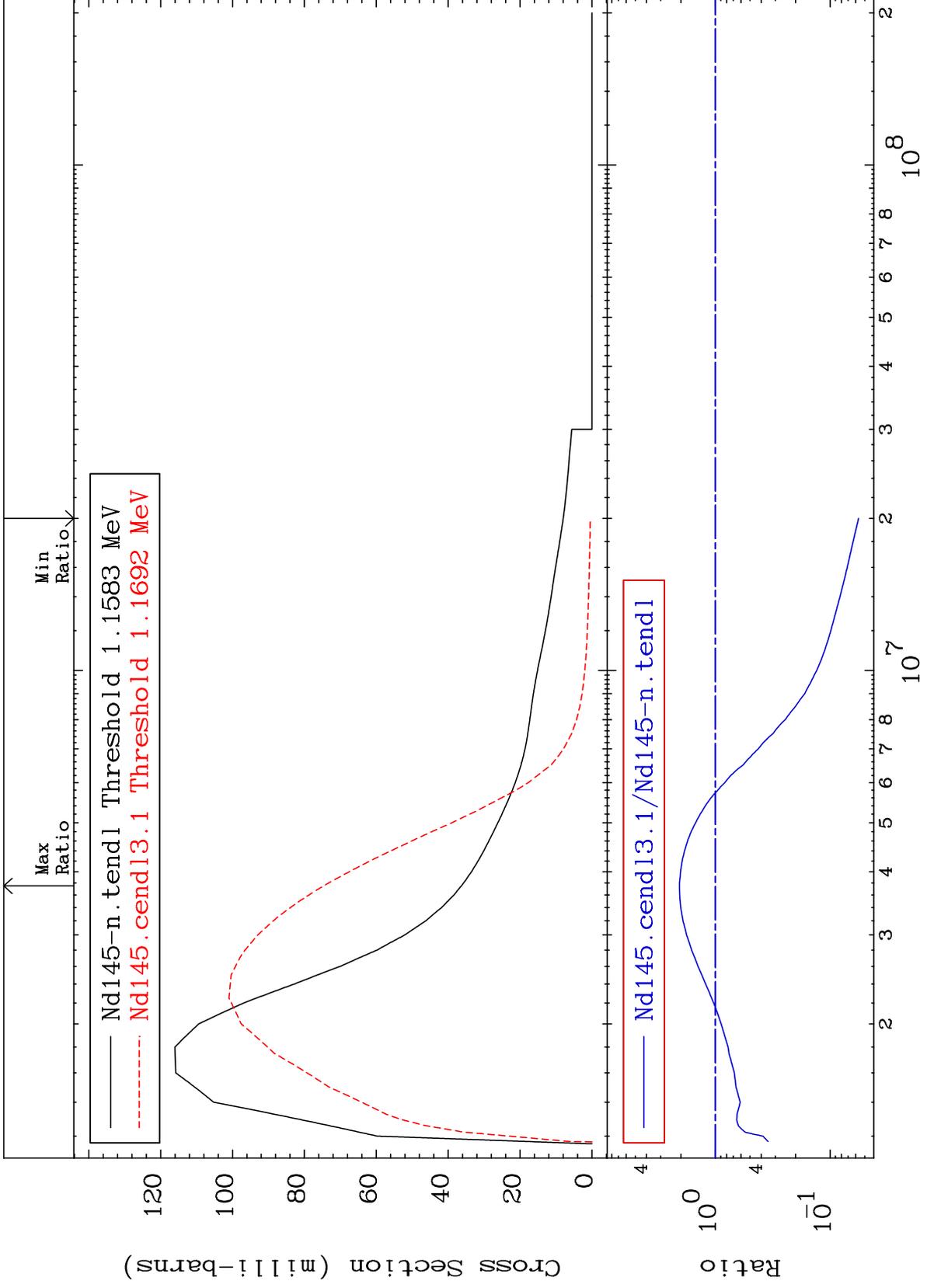
60-Nd-145
-94.17 To 1003. %



MAT 6034

1.150 MeV (n, n') Level
Cross Section

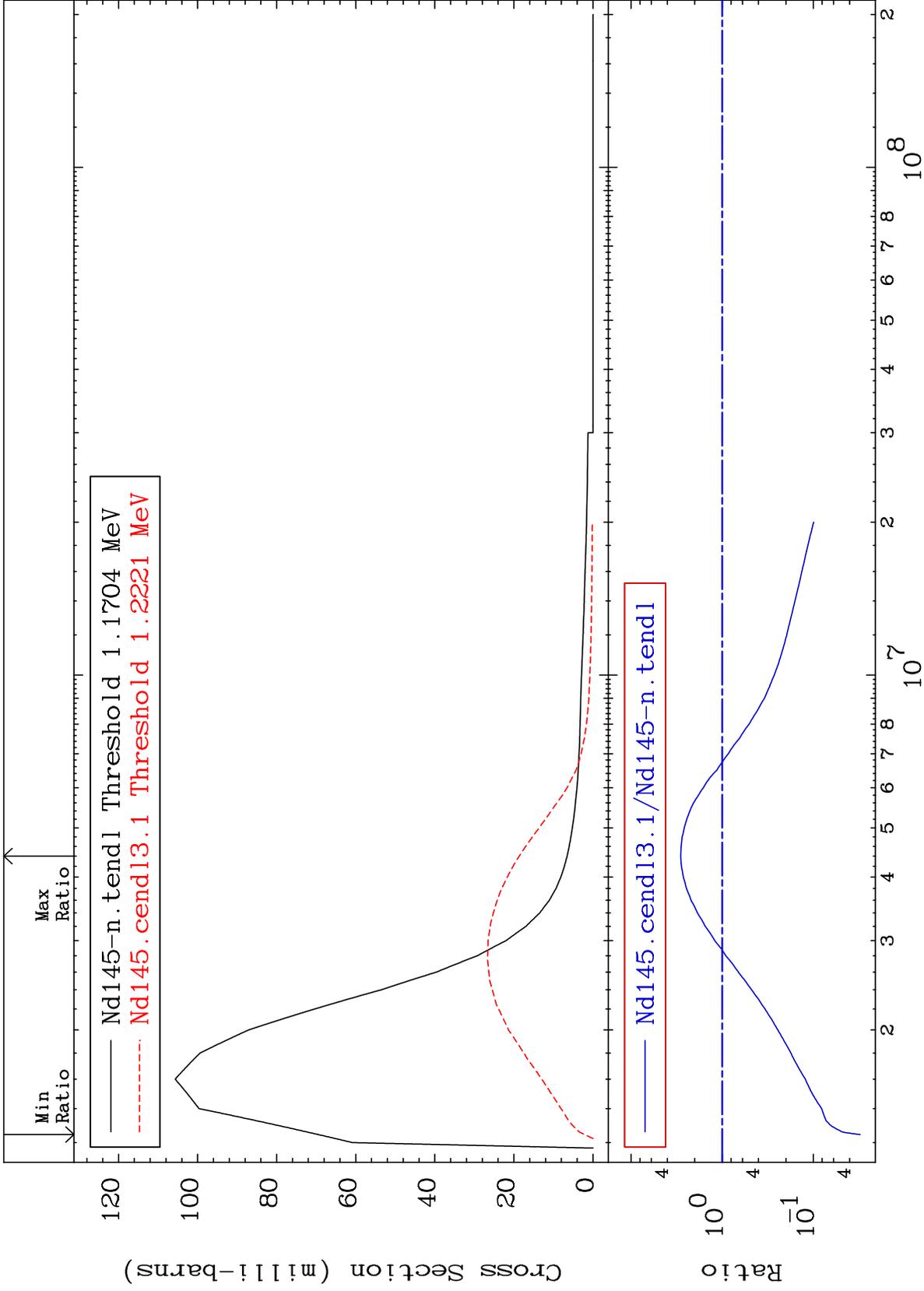
60-Nd-145
-94.33 To 105.5 %



MAT 6034

1.162 MeV (n,n') Level
Cross Section

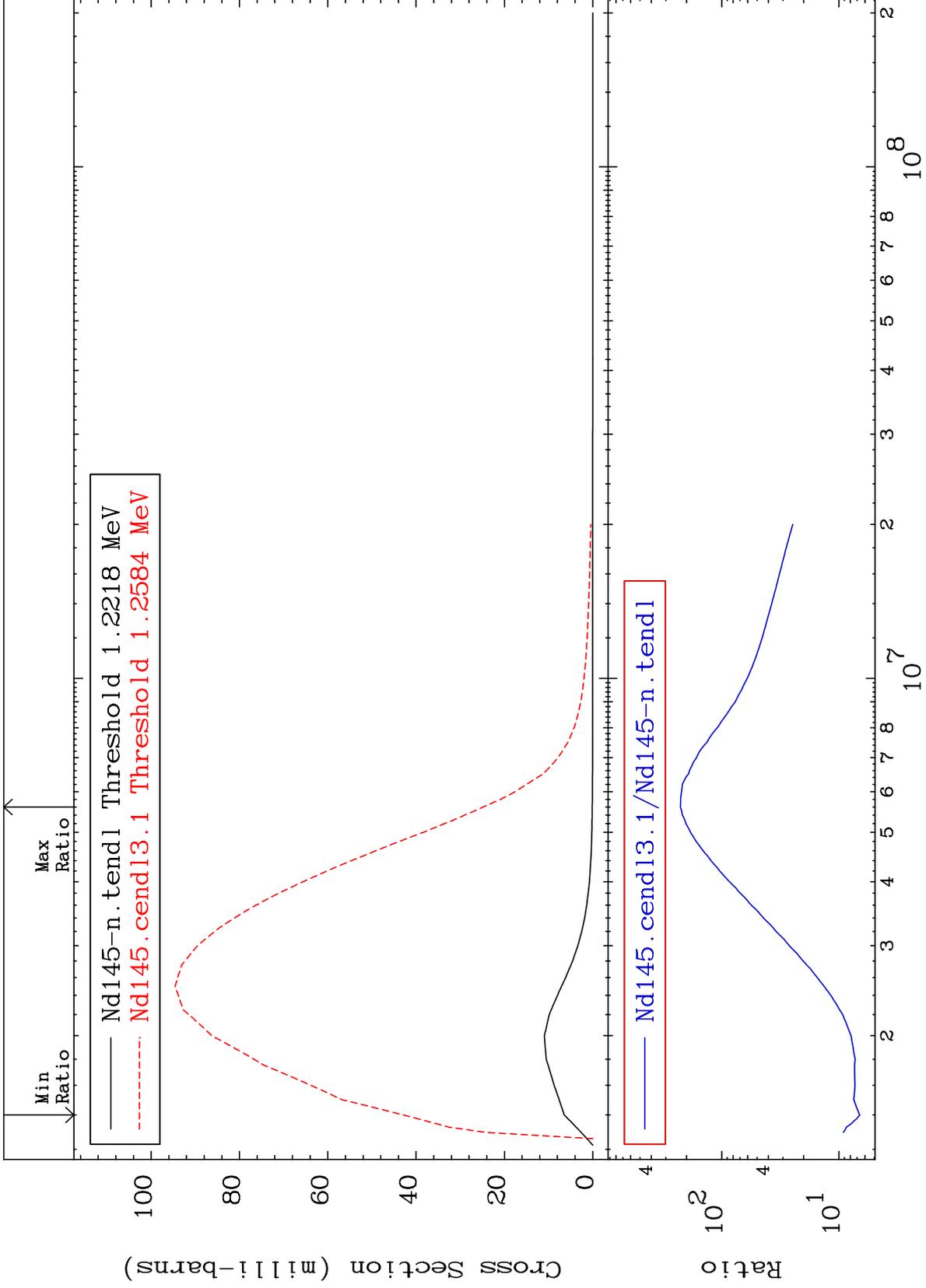
60-Nd-145
-96.93 To 185.2 %



MAT 6034

1.213 MeV (n,n') Level
Cross Section

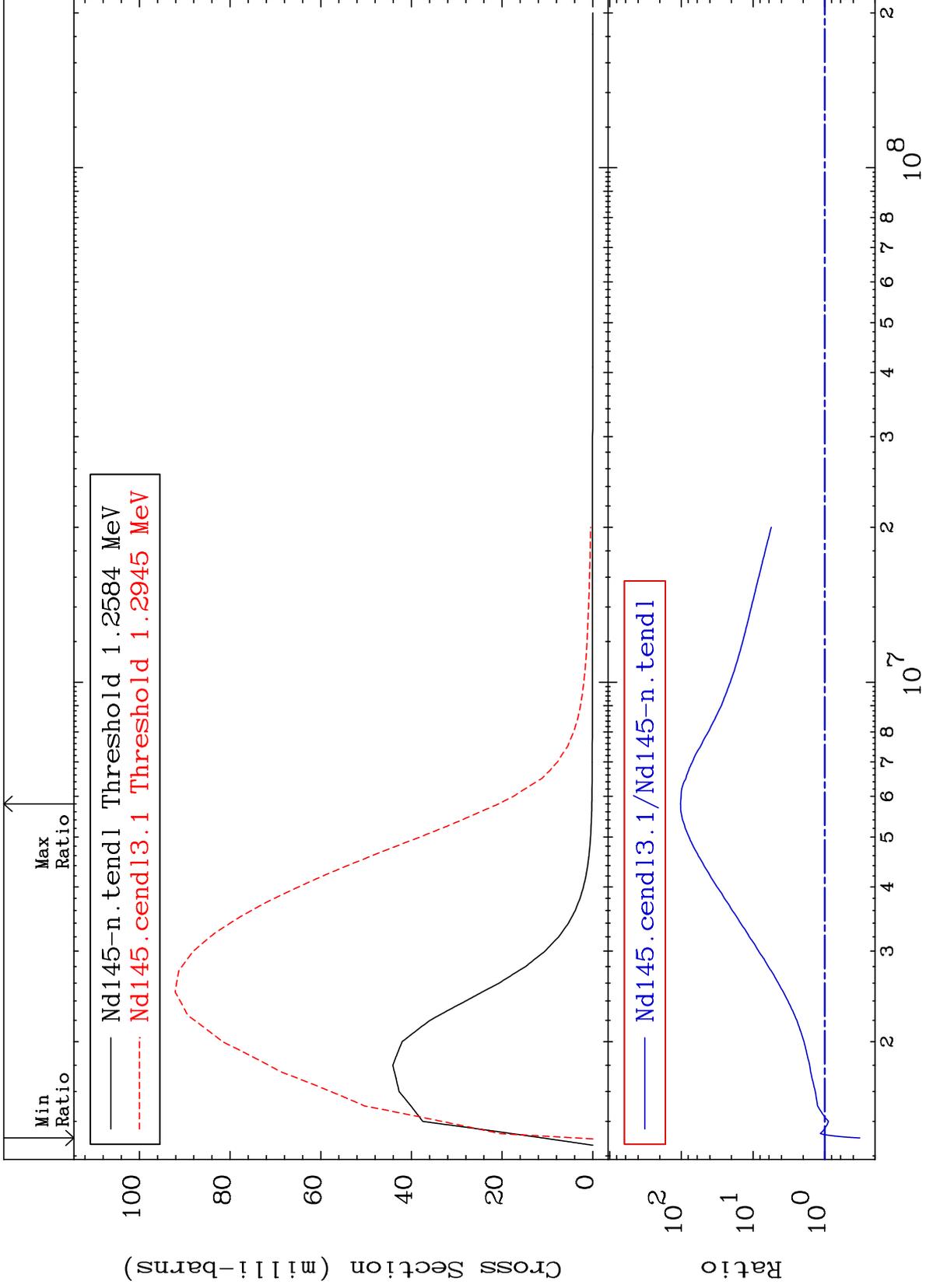
60-Nd-145
564.1 To 9999. %



MAT 6034

1.250 MeV (n,n') Level
Cross Section

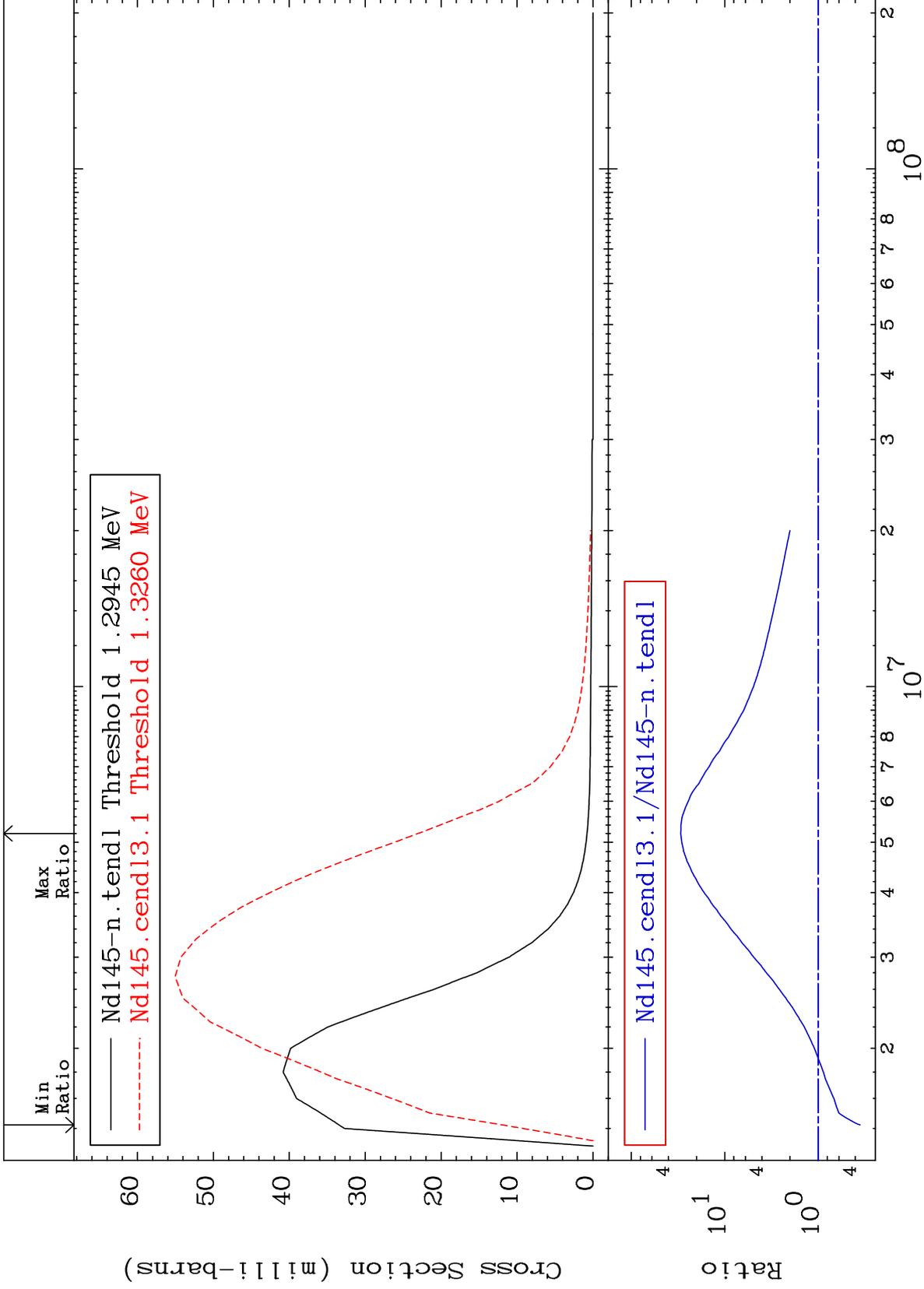
60-Nd-145
-67.61 To 9999. %



MAT 6034

1.286 MeV (n,n') Level
Cross Section

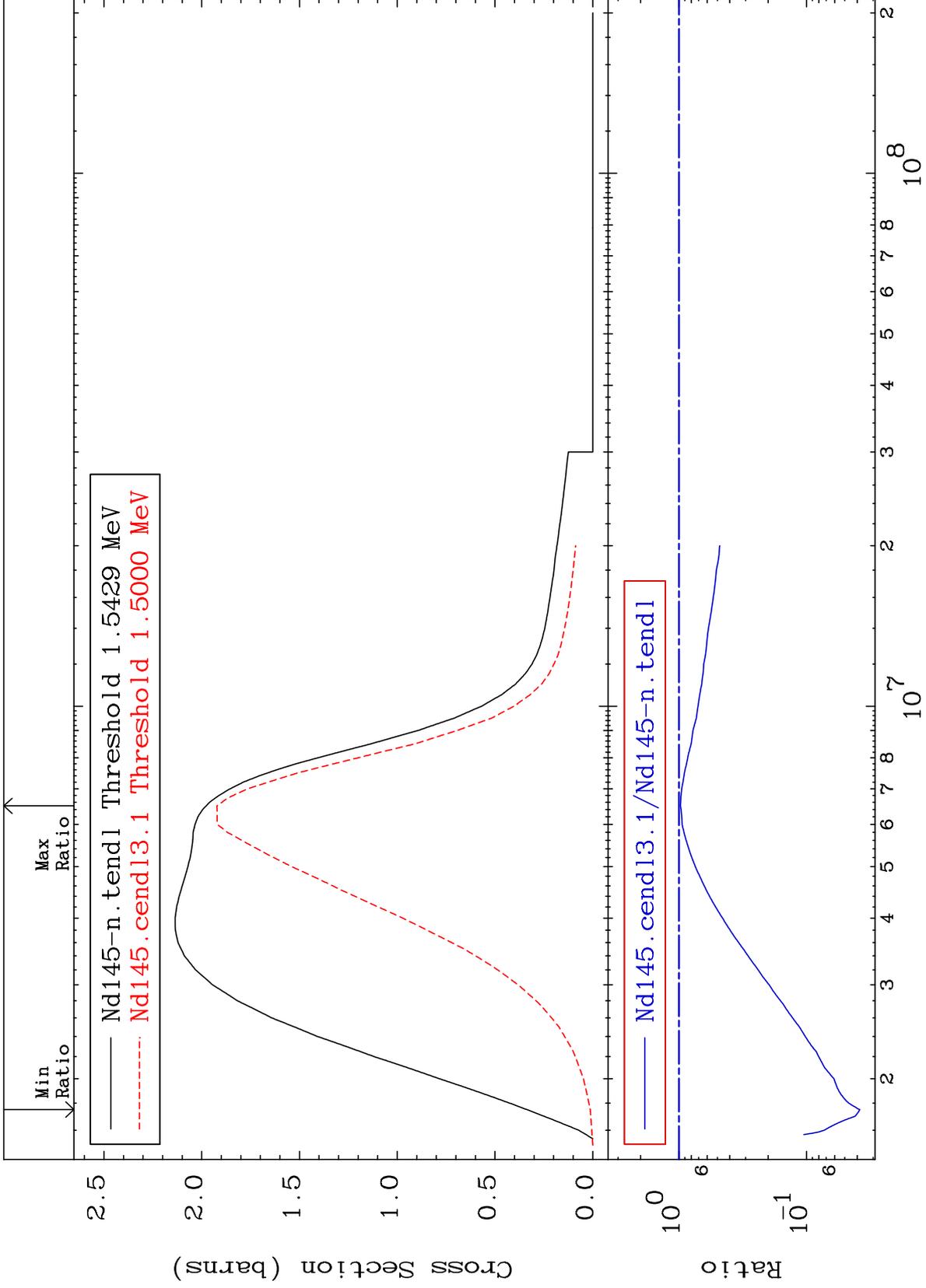
60-Nd-145
-64.41 To 2853. %



MAT 6034

(n, n') Continuum
Cross Section

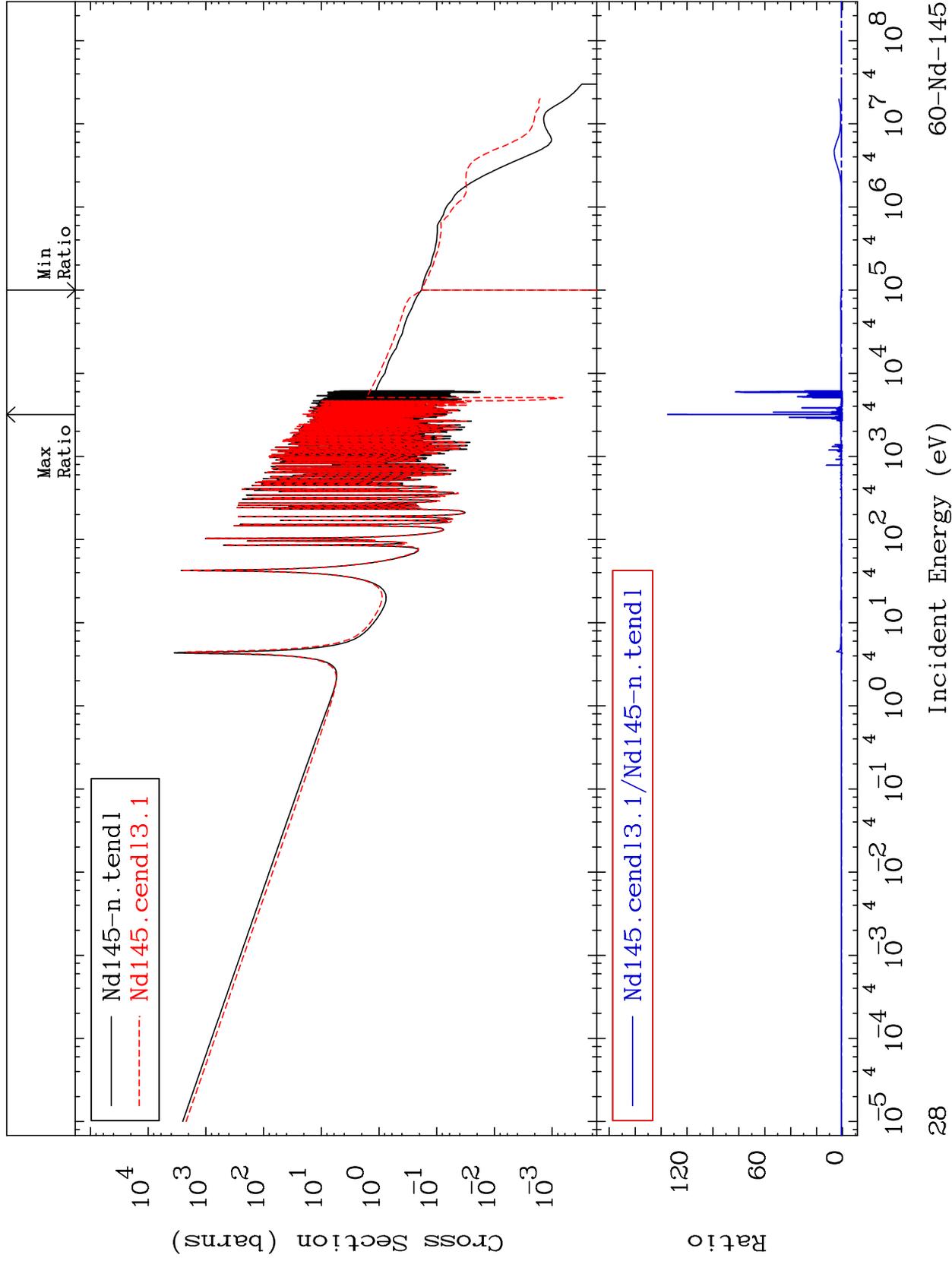
60-Nd-145
-96.18 To -2.817%



MAT 6034

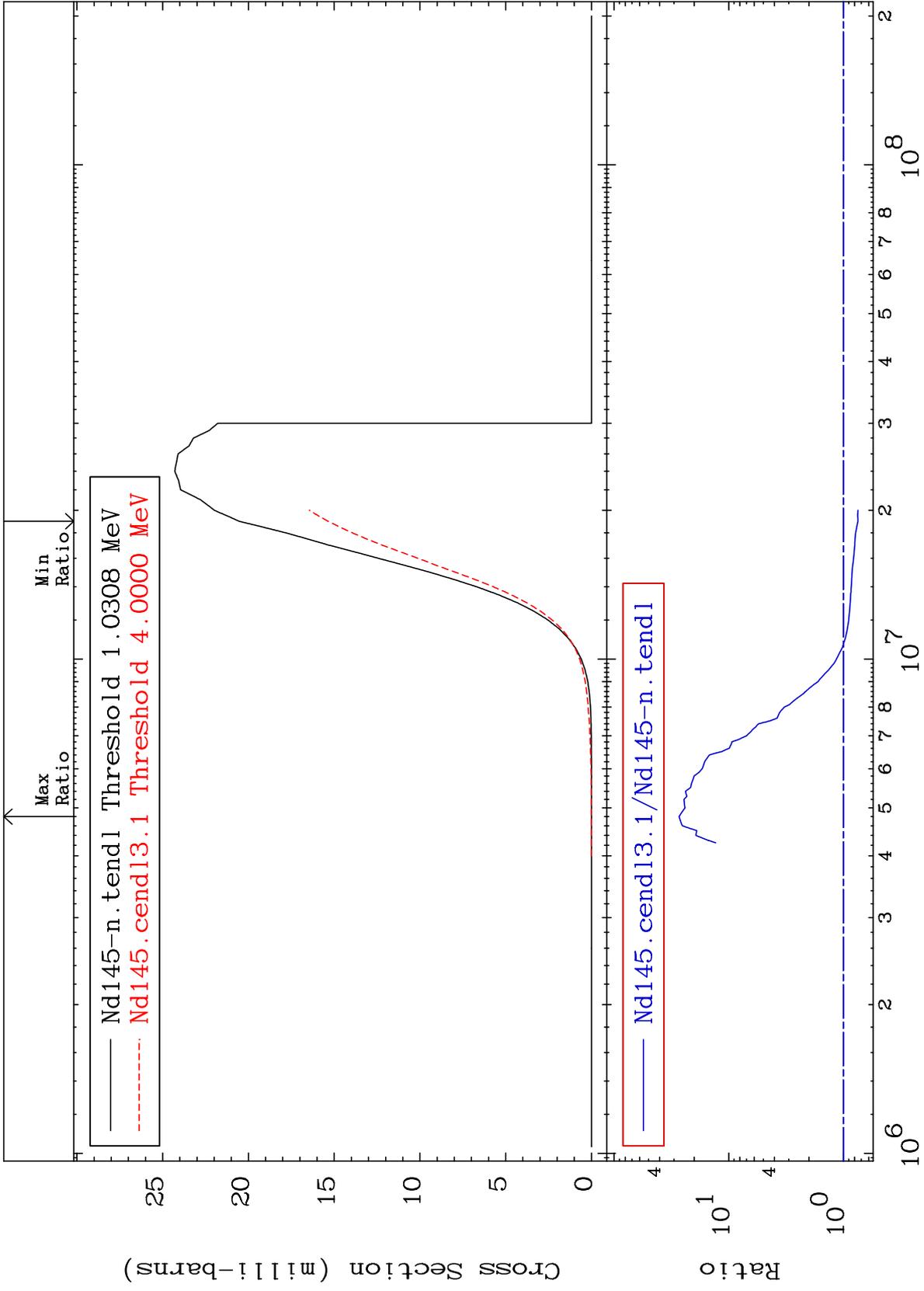
60-Nd-145

(n, γ)
Cross Section
-100.0 To 9999. %



MAT 6034

(n, p)
Cross Section
60-Nd-145
-25.28 To 2614. %



29

60-Nd-145

MAT 6034

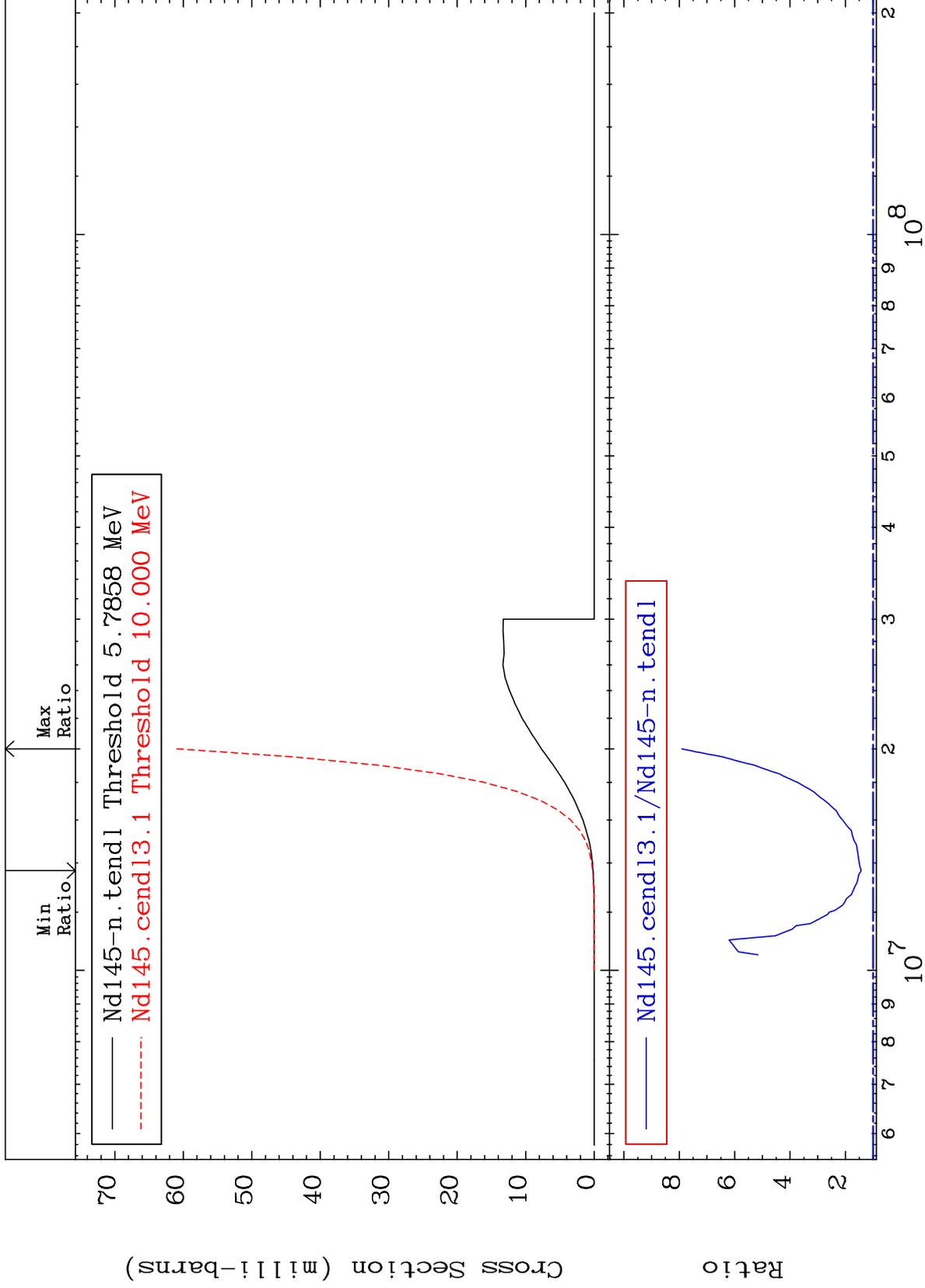
(n, d)

60-Nd-145

Cross Section

43.17

To 690.5 %



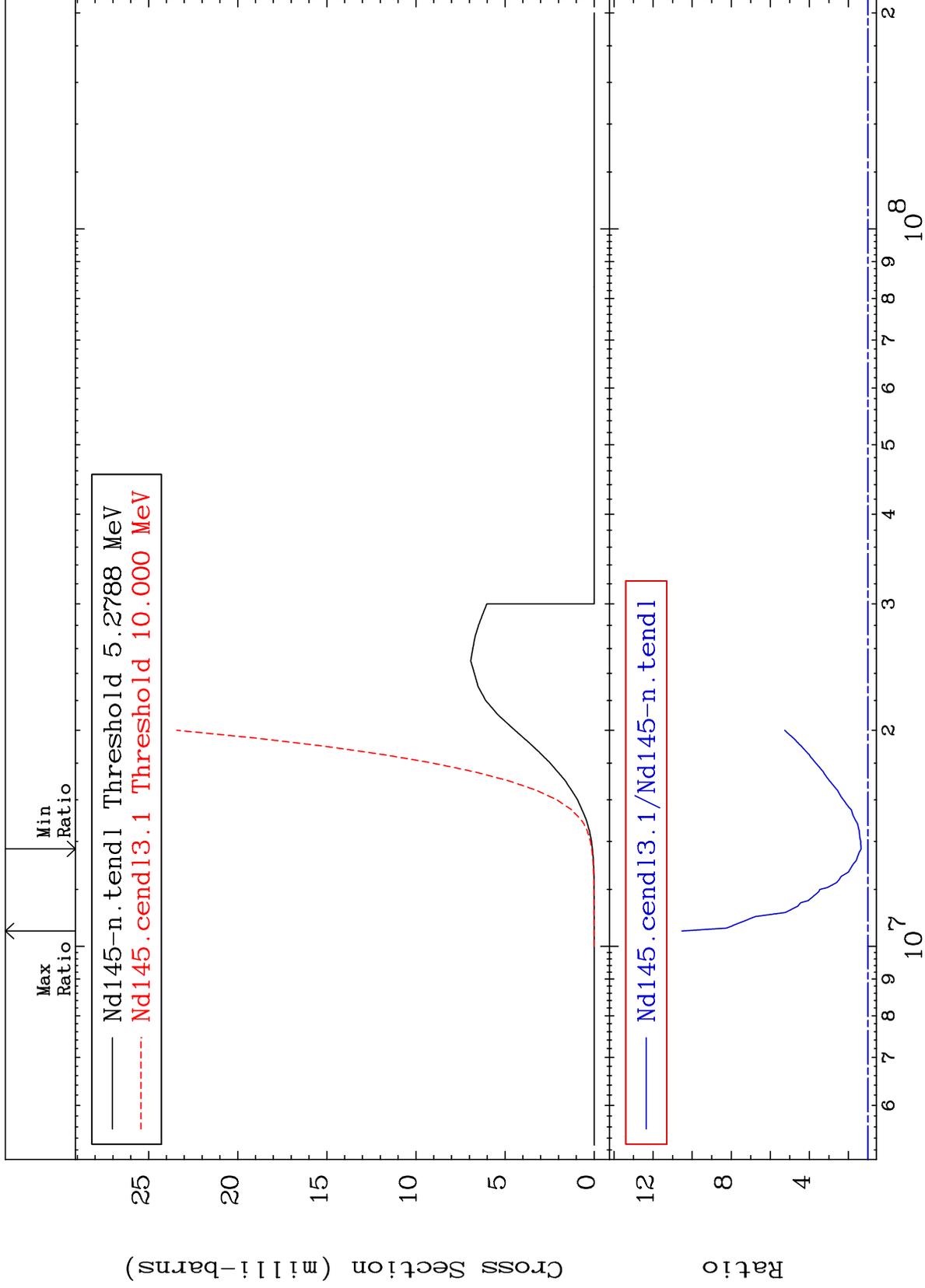
30

Incident Energy (eV)

60-Nd-145

MAT 6034

(n, t)
Cross Section
60-Nd-145
35.12 To 952.4 %



31

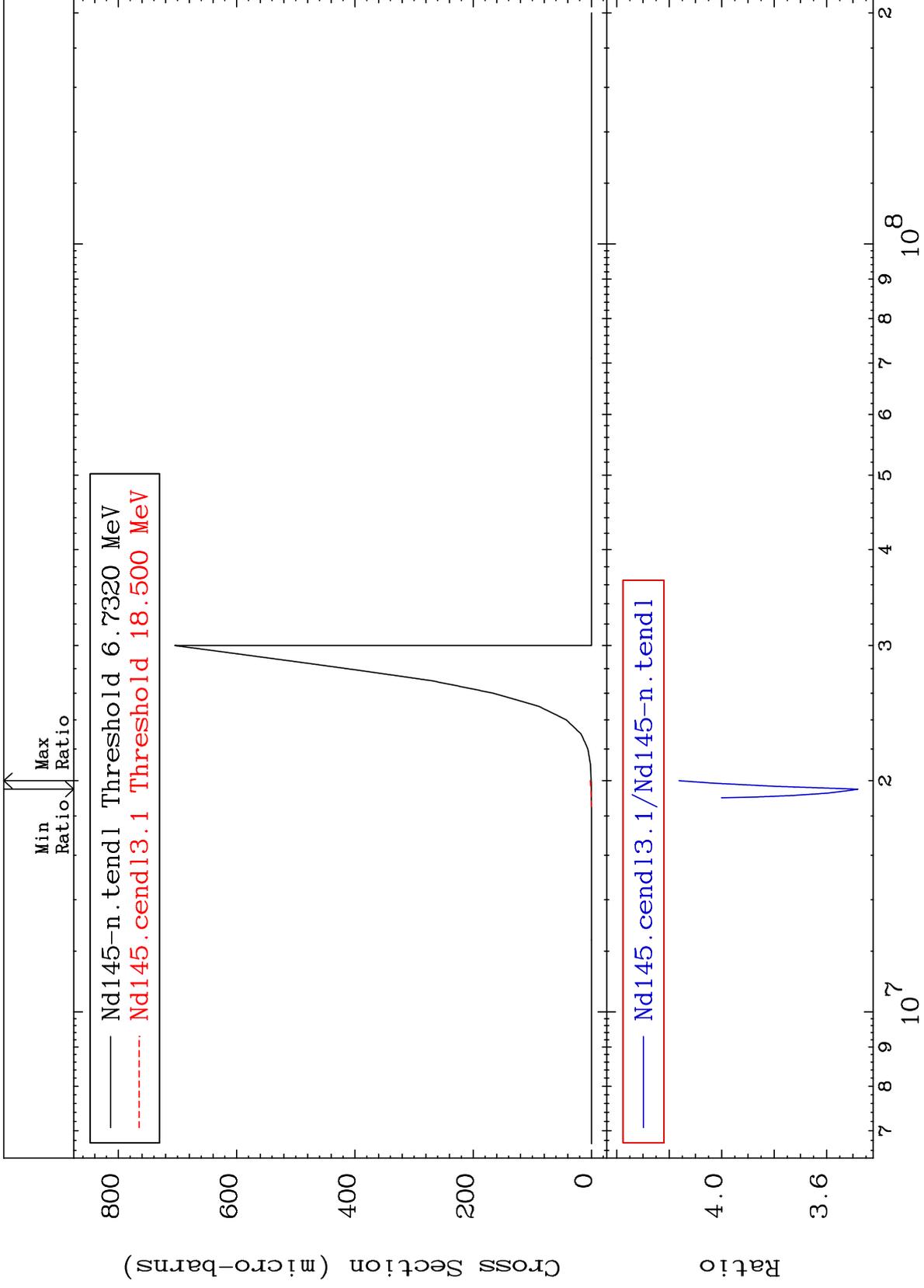
60-Nd-145

MAT 6034

(n, He-3)

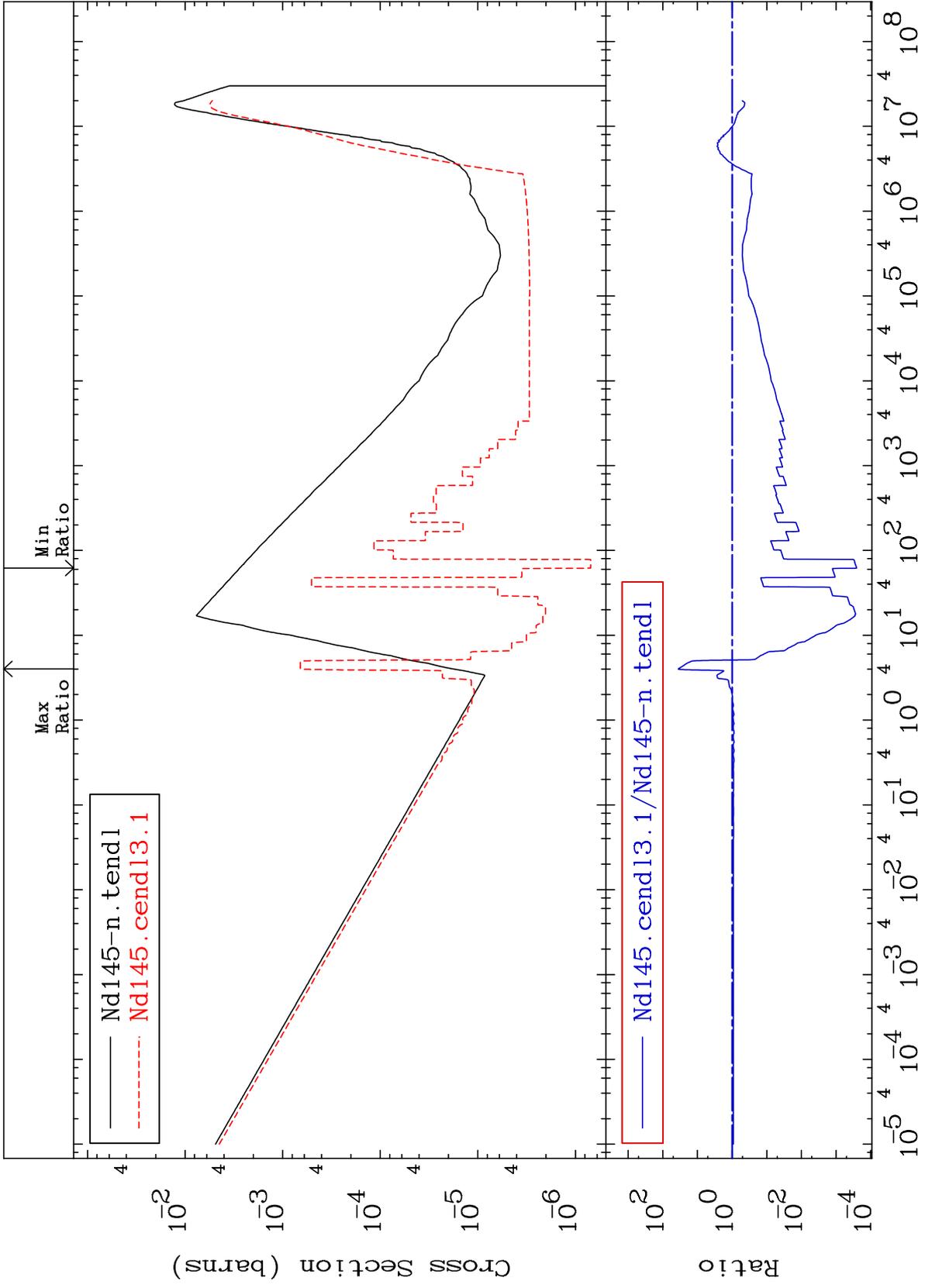
60-Nd-145
248.1 To 316.2 %

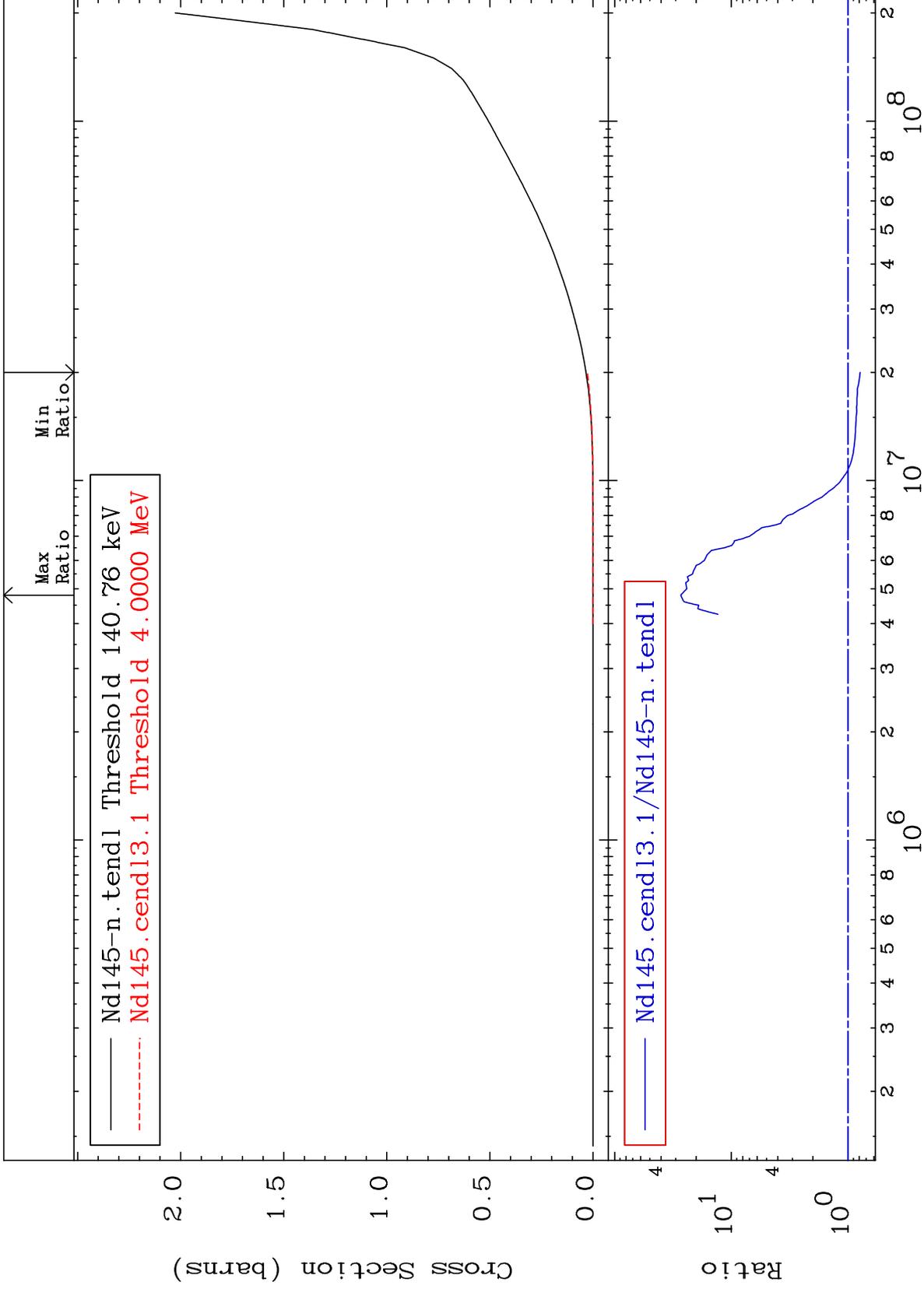
Cross Section



MAT 6034

(n, α)
Cross Section
60-Nd-145
-99.97 To 3520. %

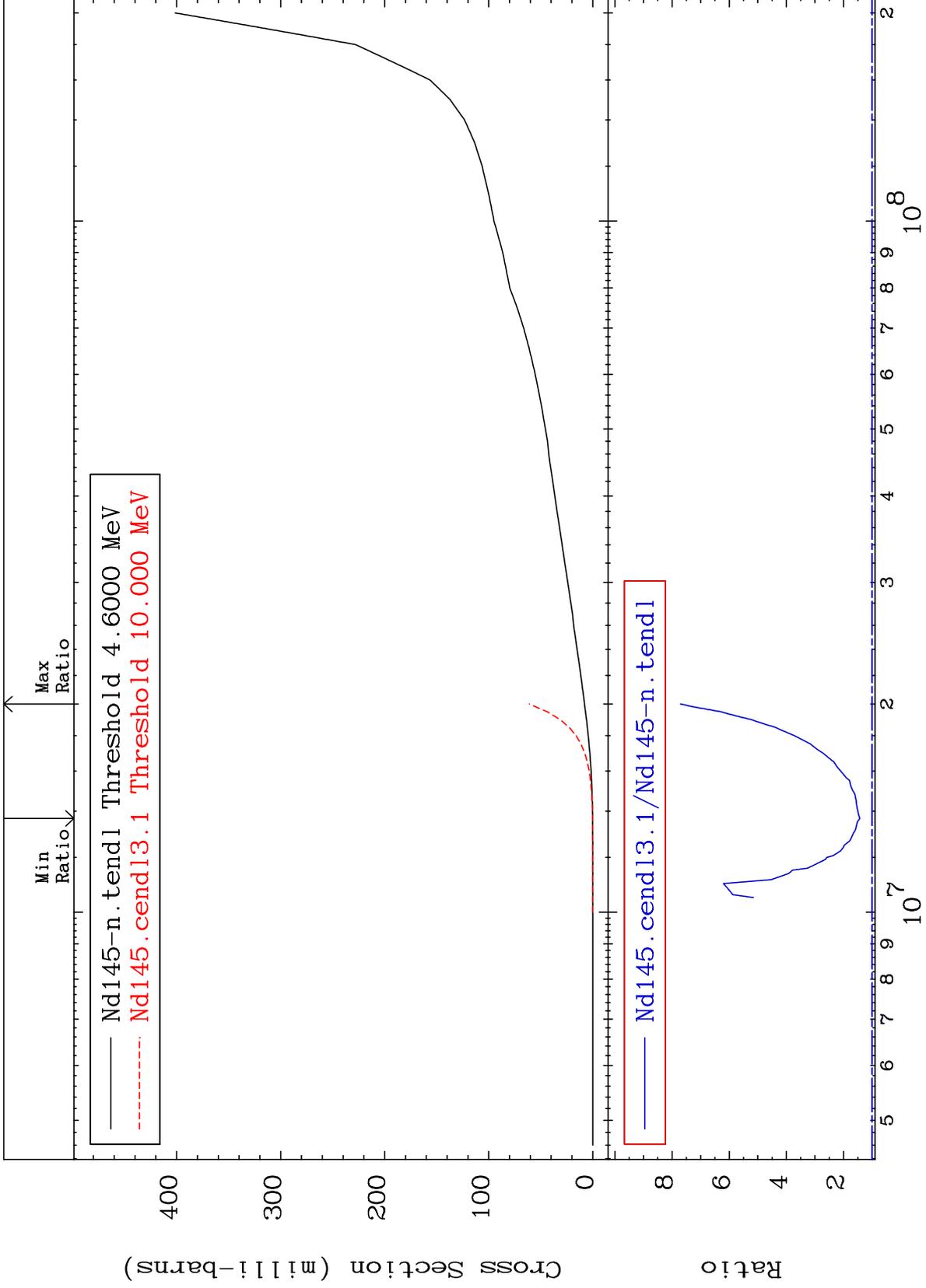




MAT 6034

Deuterium Production
Cross Section

60-Nd-145
43.17 To 670.4 %



35

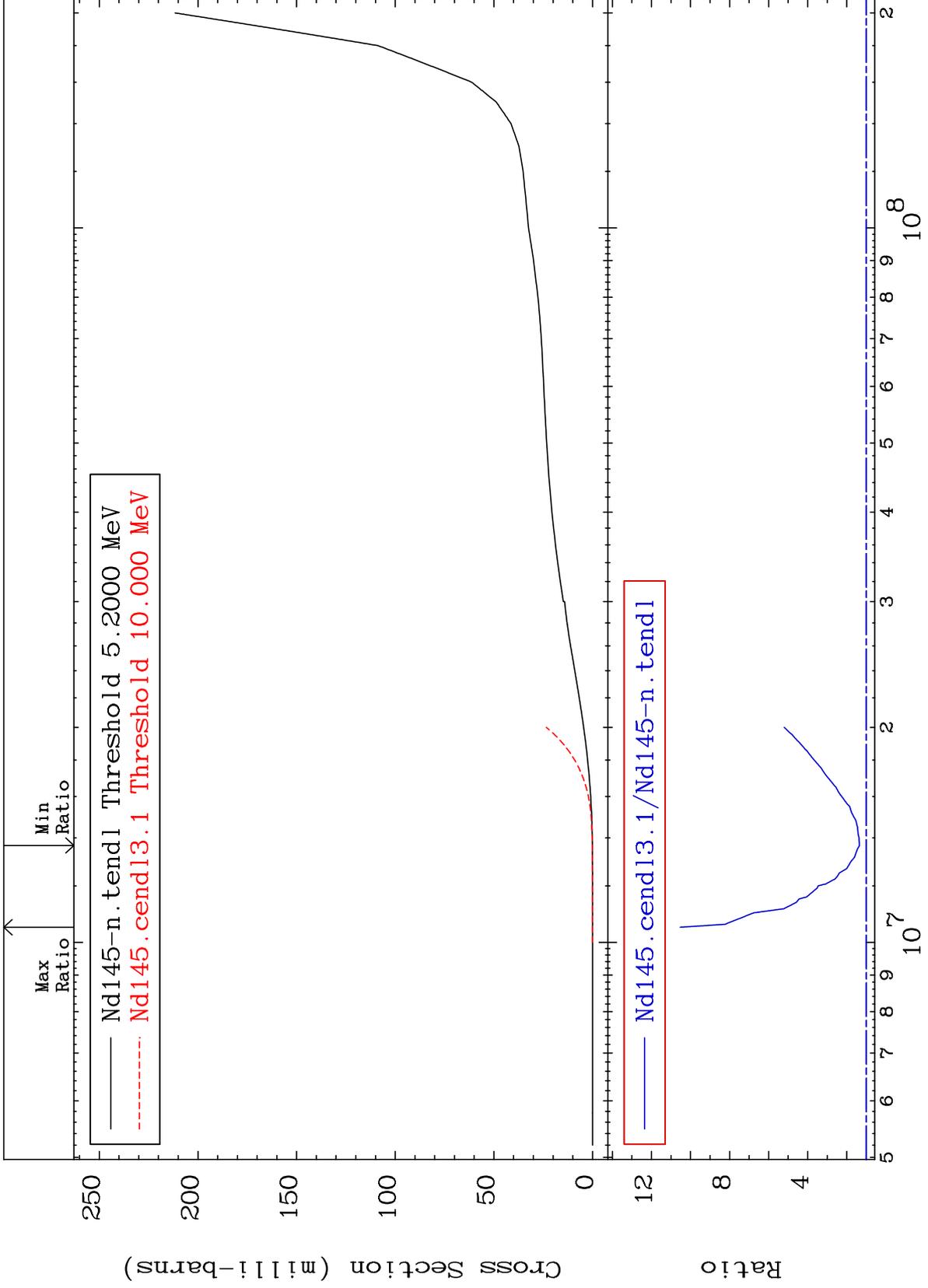
Incident Energy (eV)

60-Nd-145

MAT 6034

Tritium Production
Cross Section

60-Nd-145
35.12 To 952.4 %



36

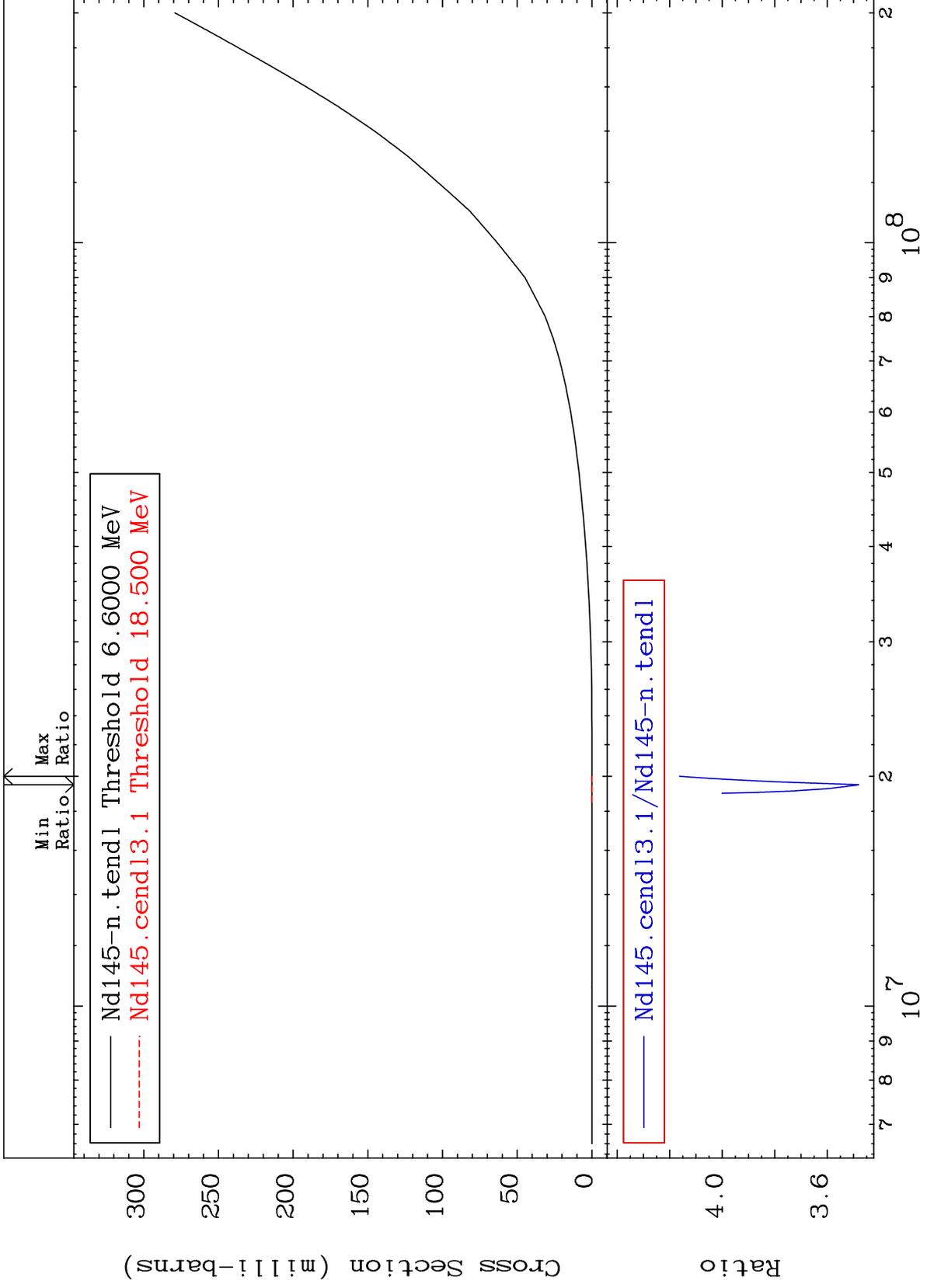
Incident Energy (eV)

60-Nd-145

MAT 6034

He-3 Production
Cross Section

60-Nd-145
248.1 To 316.2 %



37

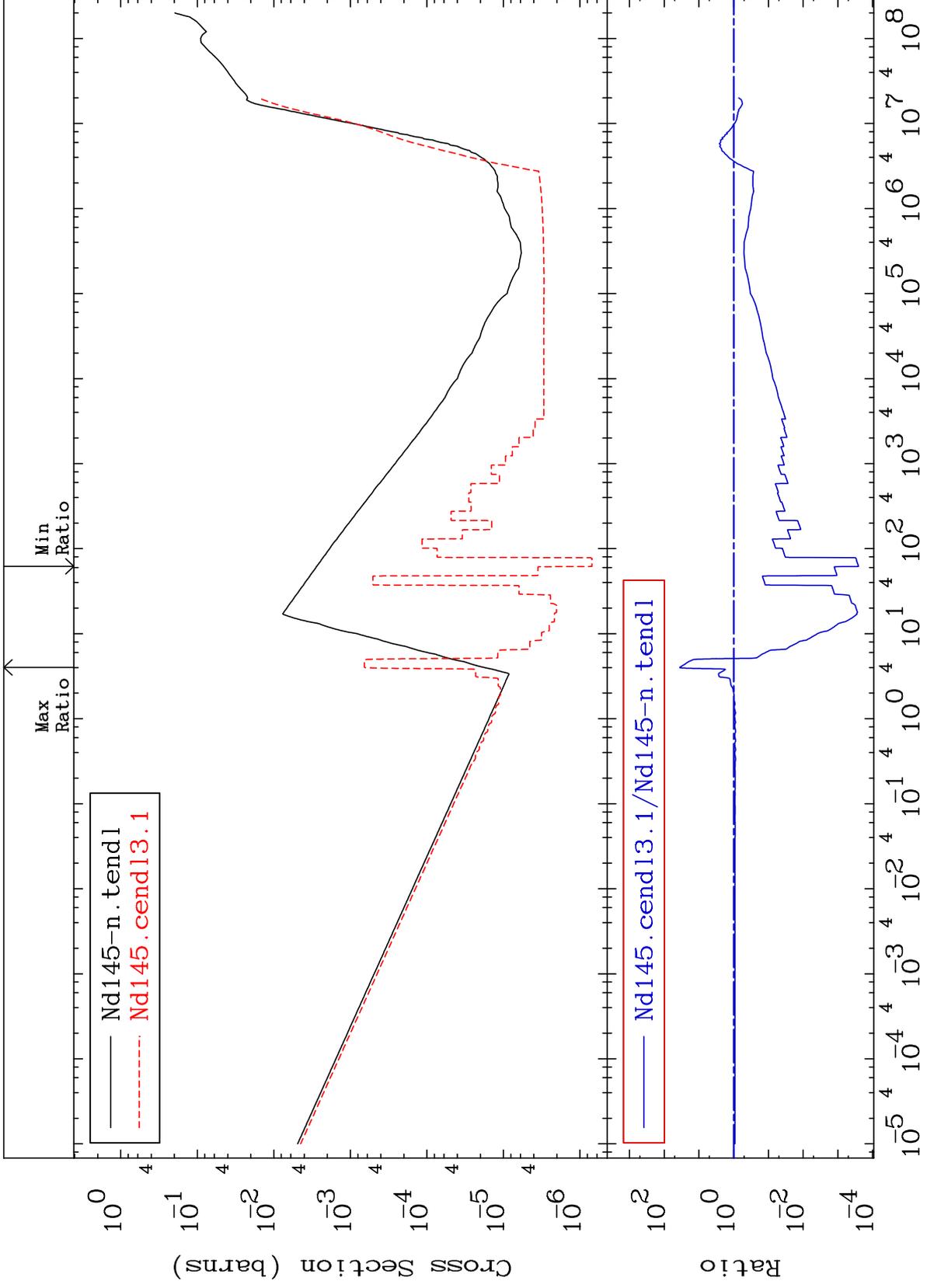
Incident Energy (eV)

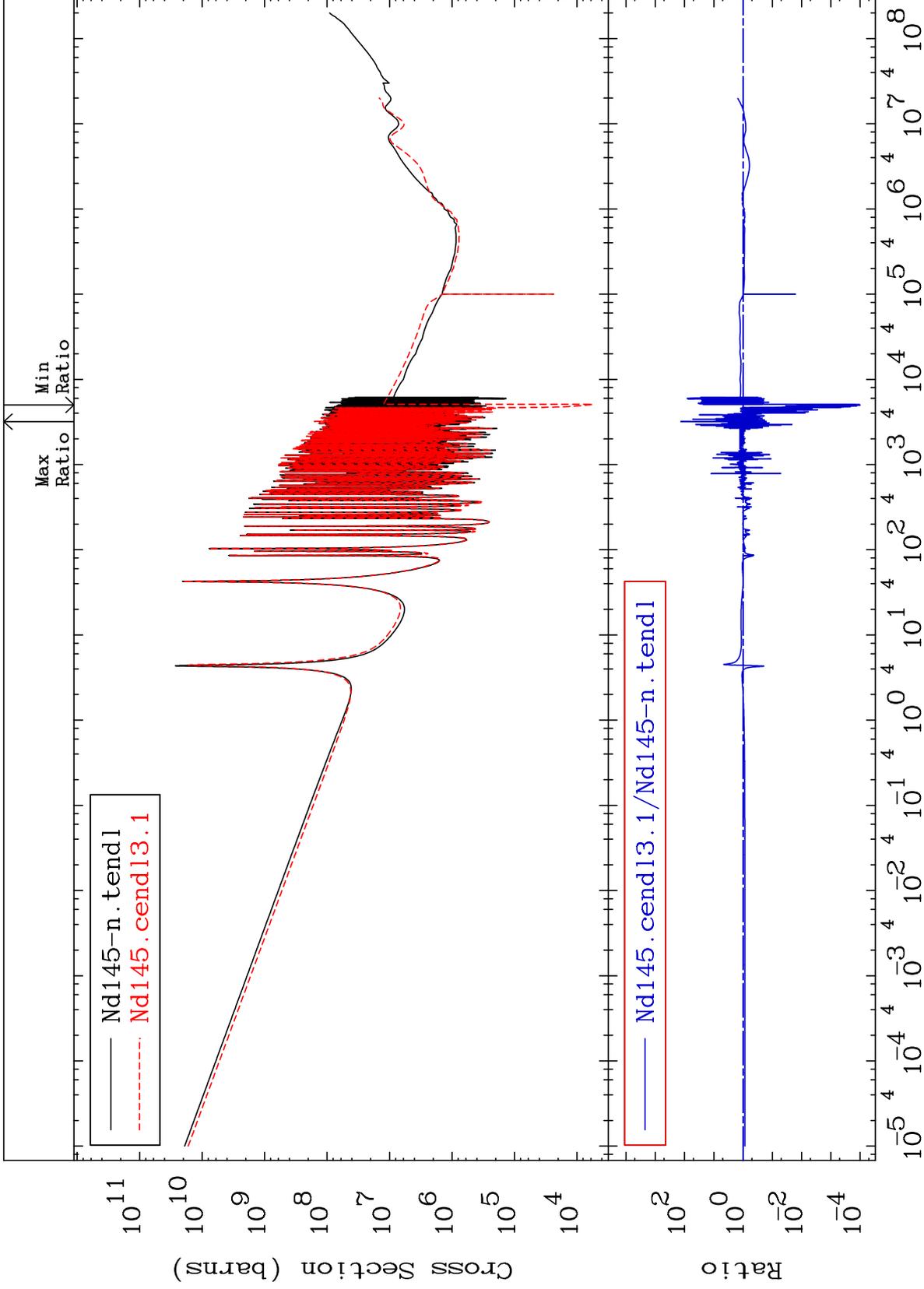
60-Nd-145

MAT 6034

He-4 Production
Cross Section

60-Nd-145
-99.97 To 3520. %

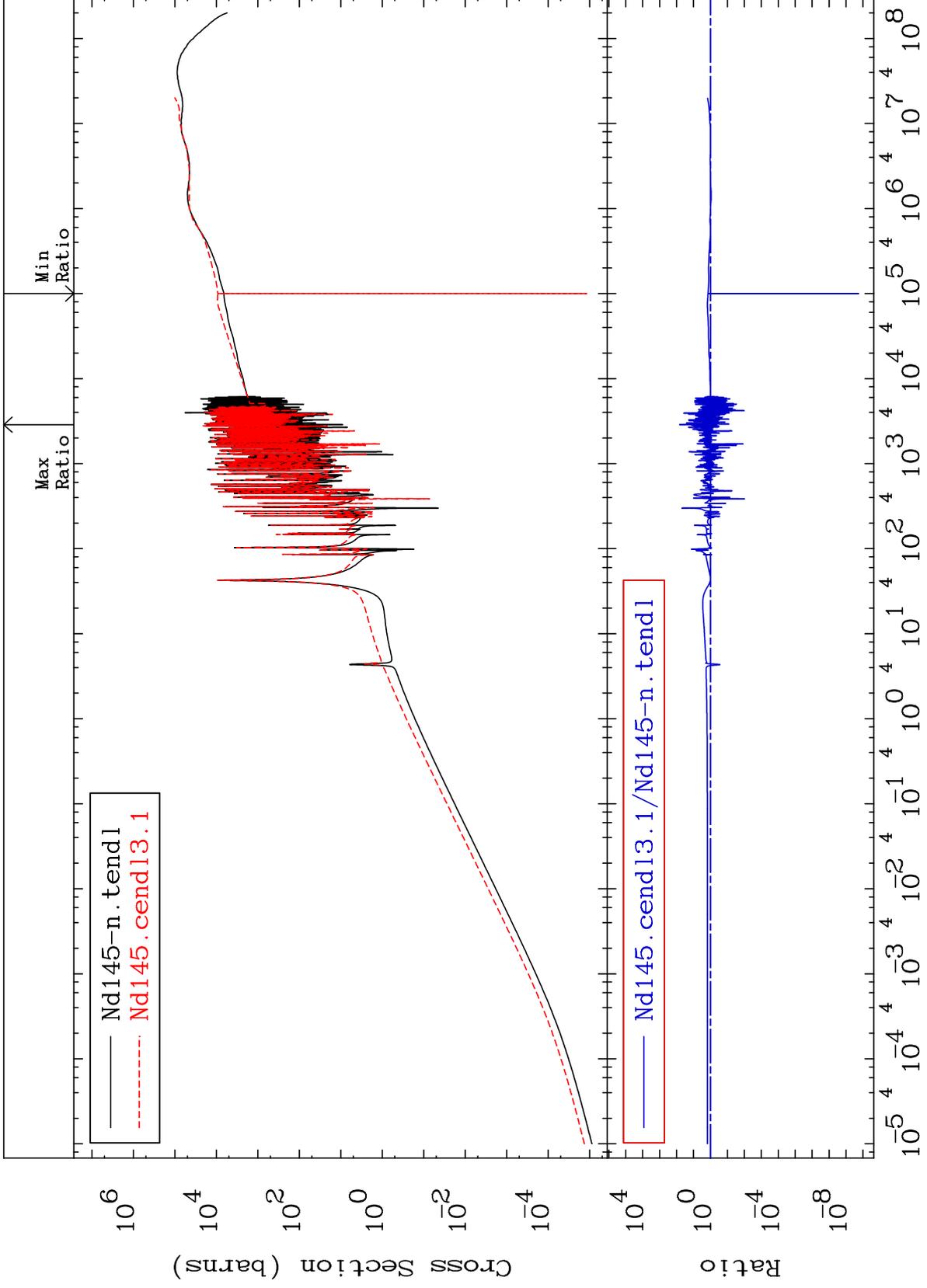




MAT 6034

Kerma elastic
Cross Section

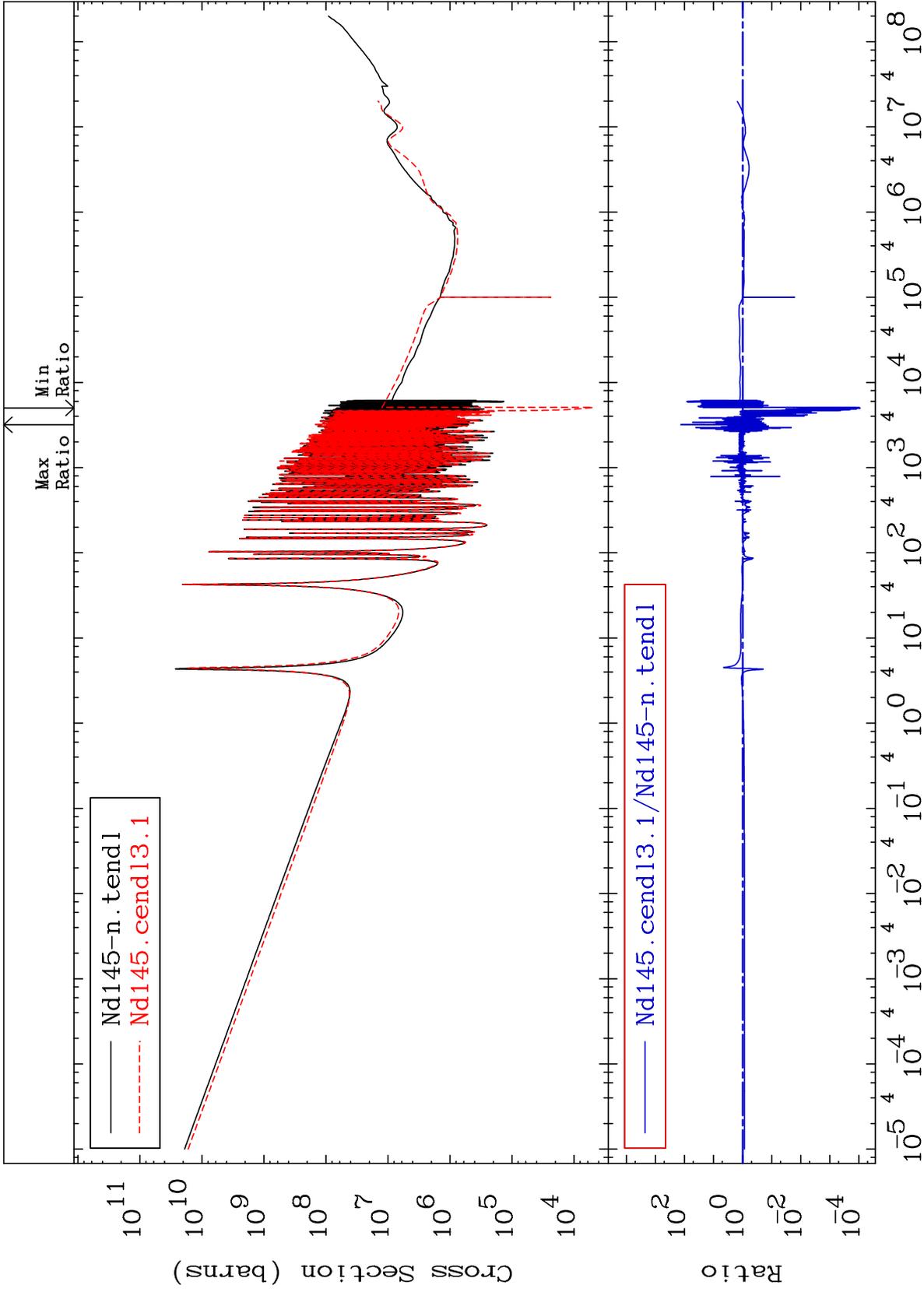
60-Nd-145
-100.0 To 6576. %

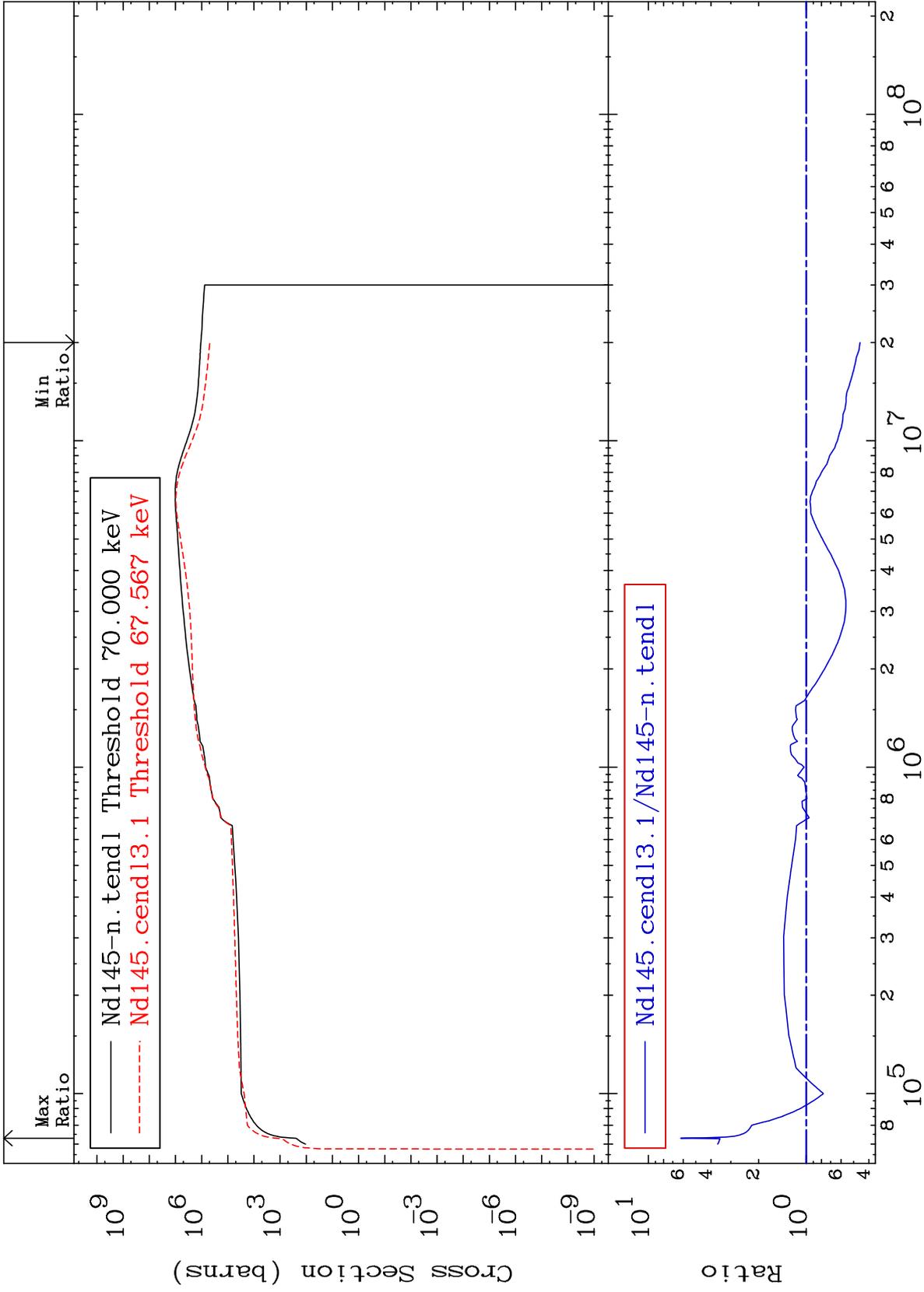


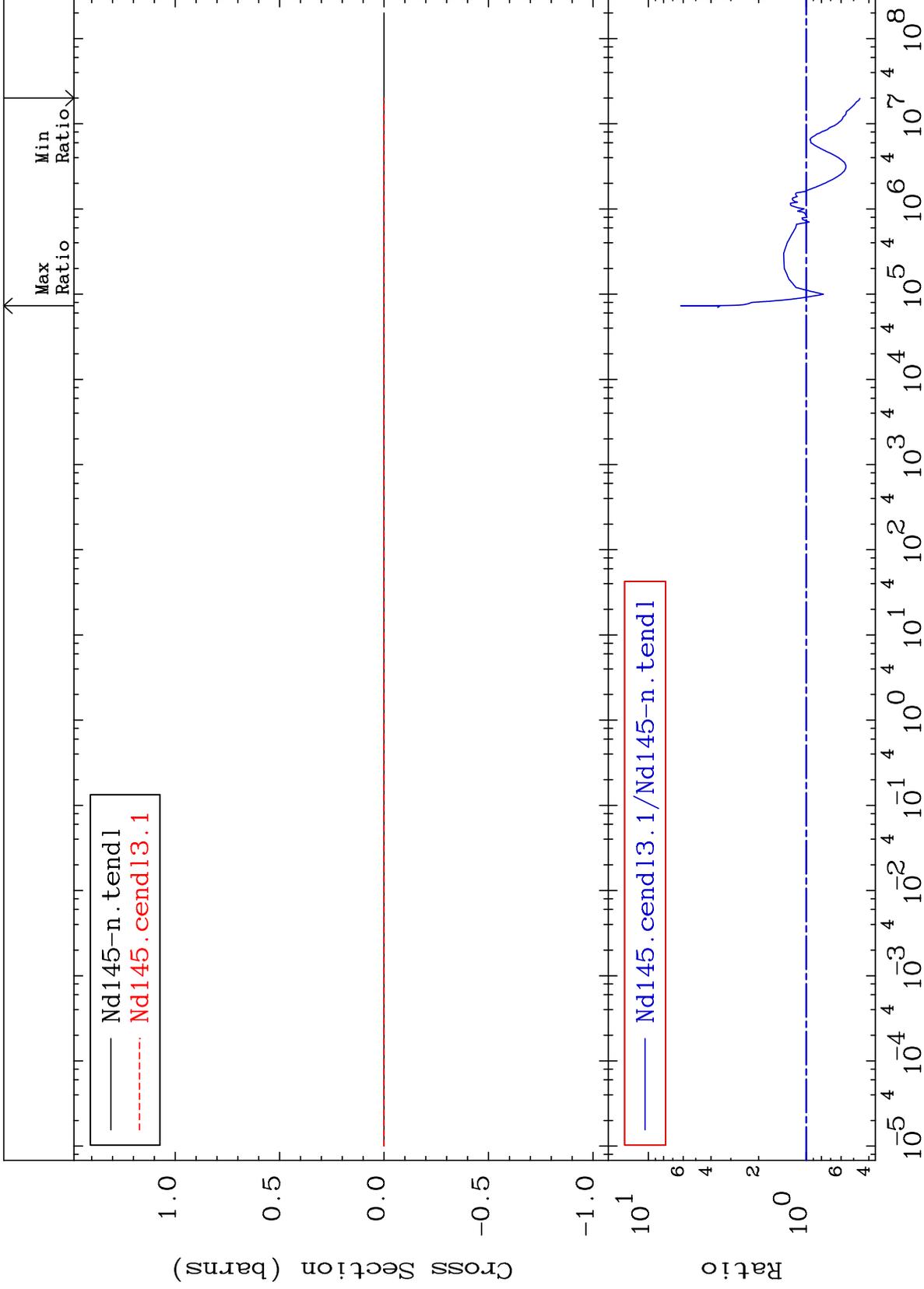
40

Incident Energy (eV)

60-Nd-145



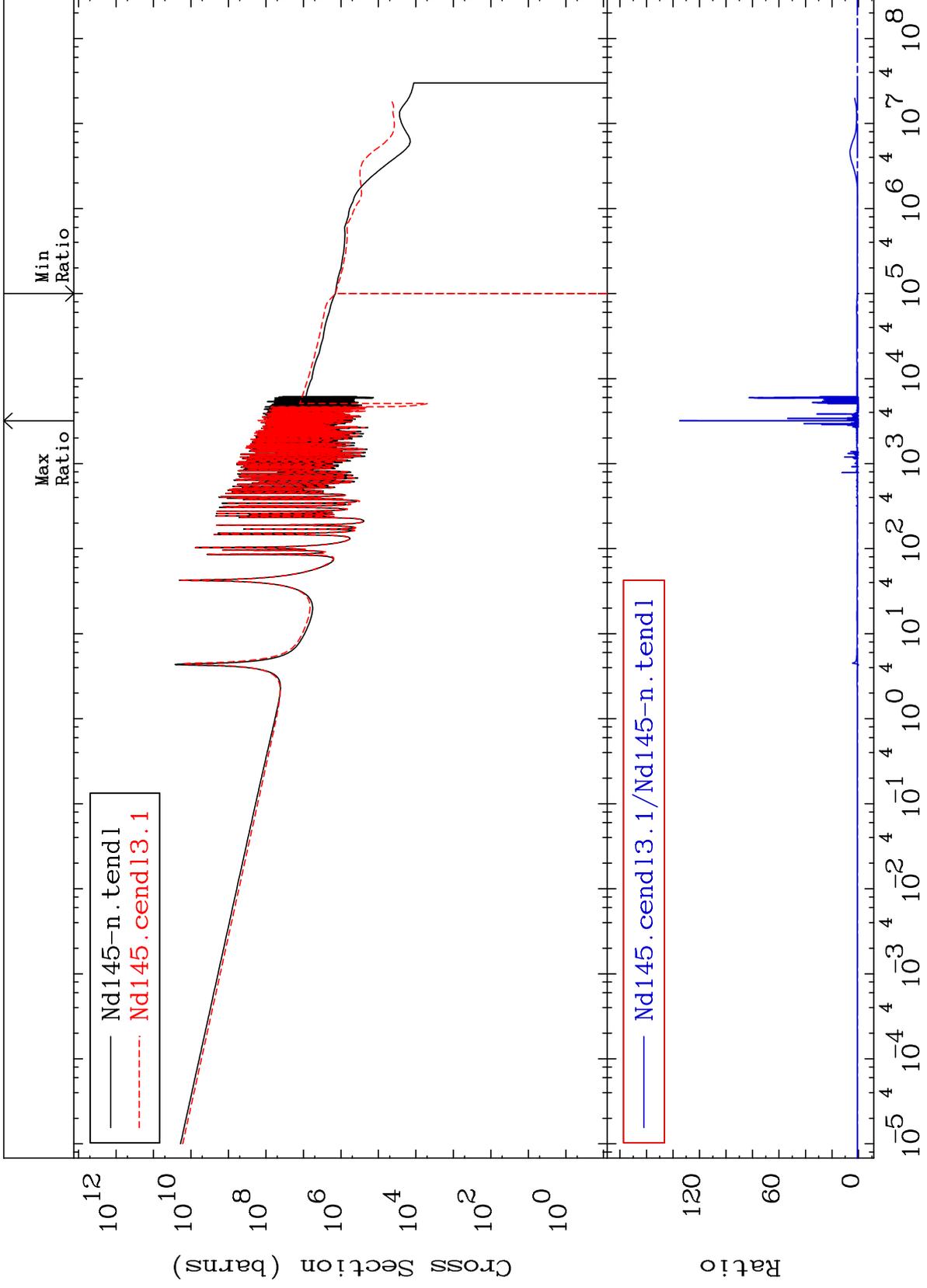




MAT 6034

Kerma capture (mt102)
Cross Section

60-Nd-145
-100.0 To 9999. %



44

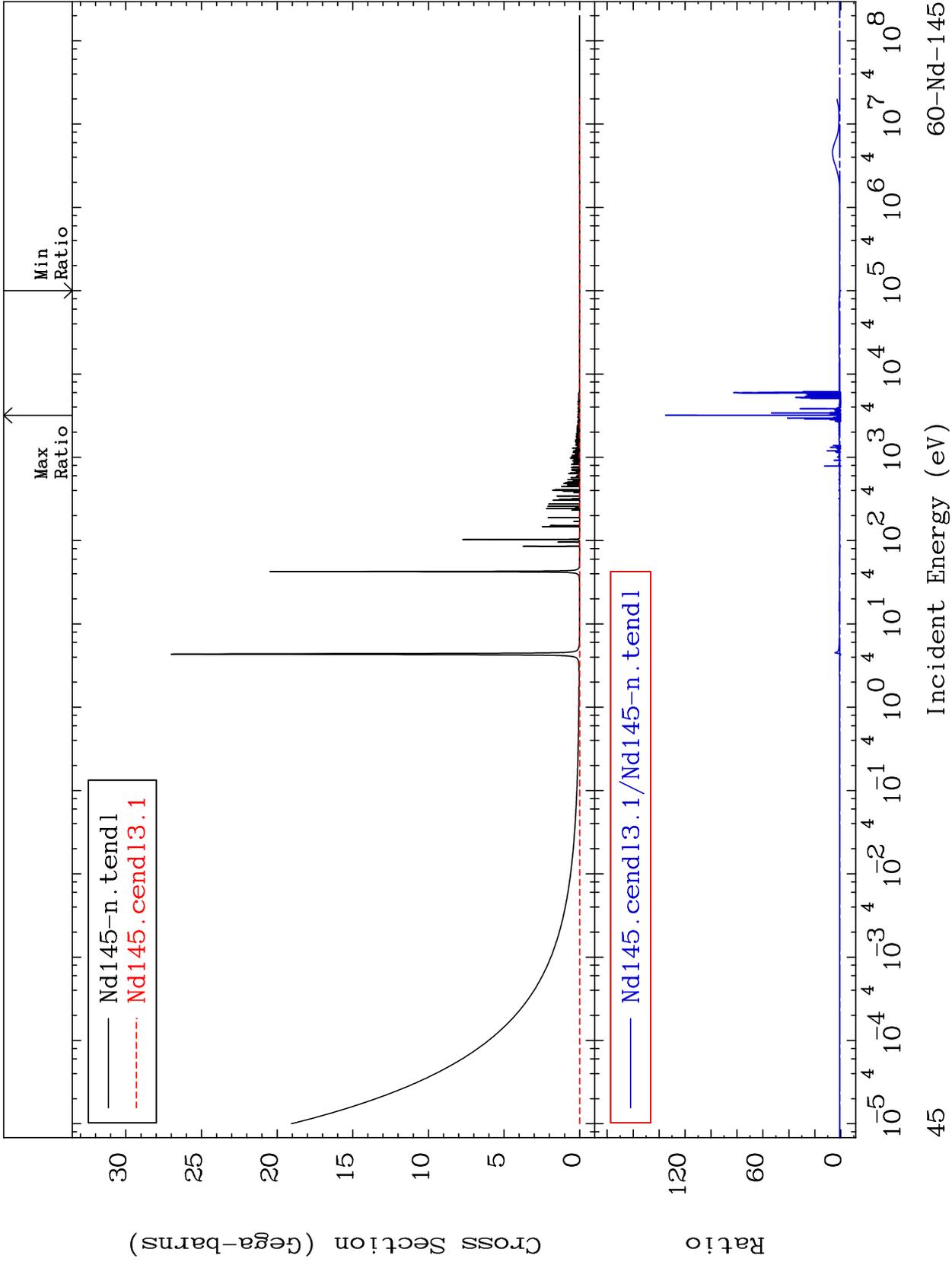
Incident Energy (eV)

60-Nd-145

MAT 6034

Total photon (eV-barns)
Cross Section

60-Nd-145
-100.0 To 9999. %



45

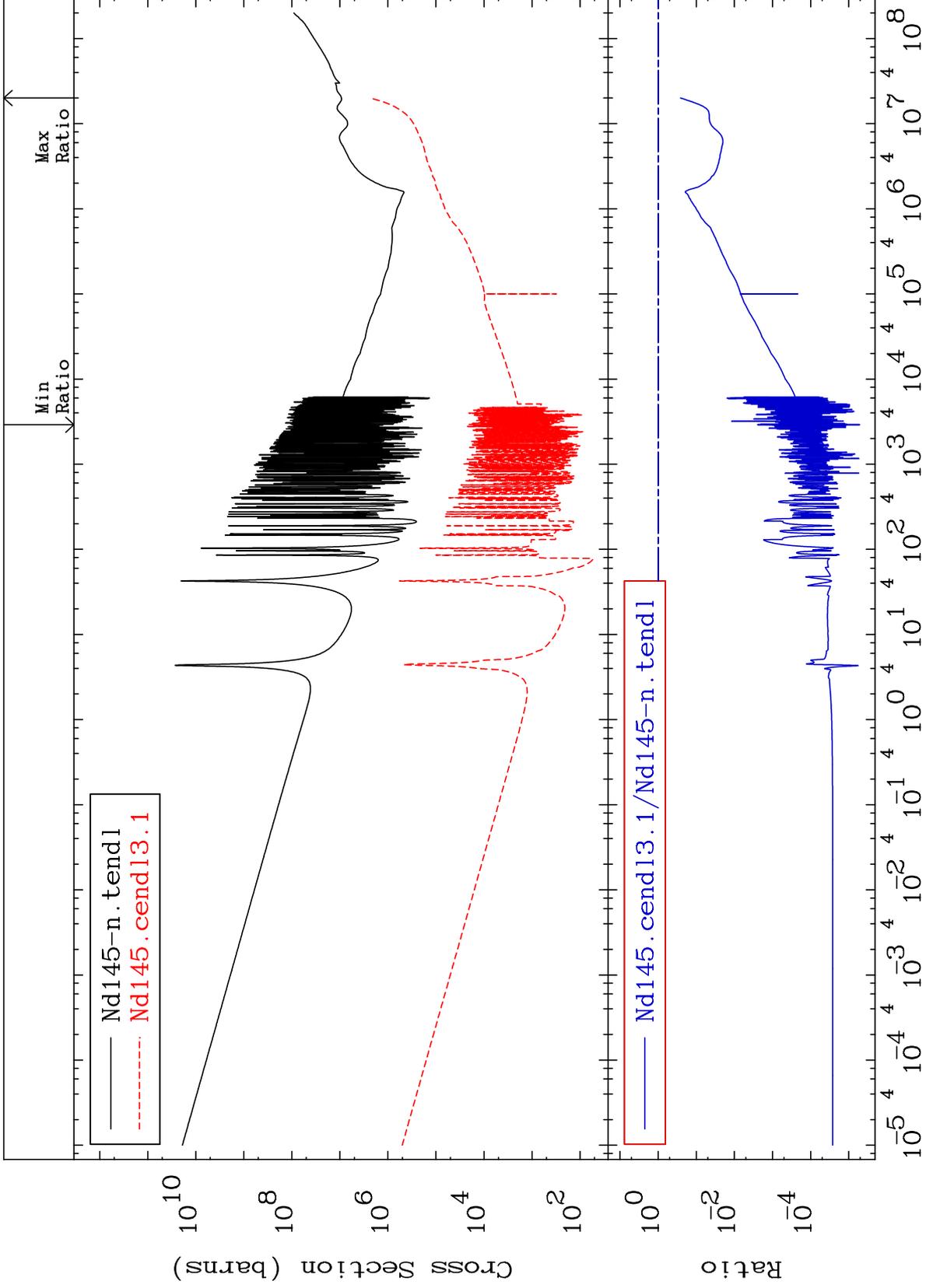
Incident Energy (eV)

60-Nd-145

MAT 6034

Total kinematic kerma (high limit)
Cross Section

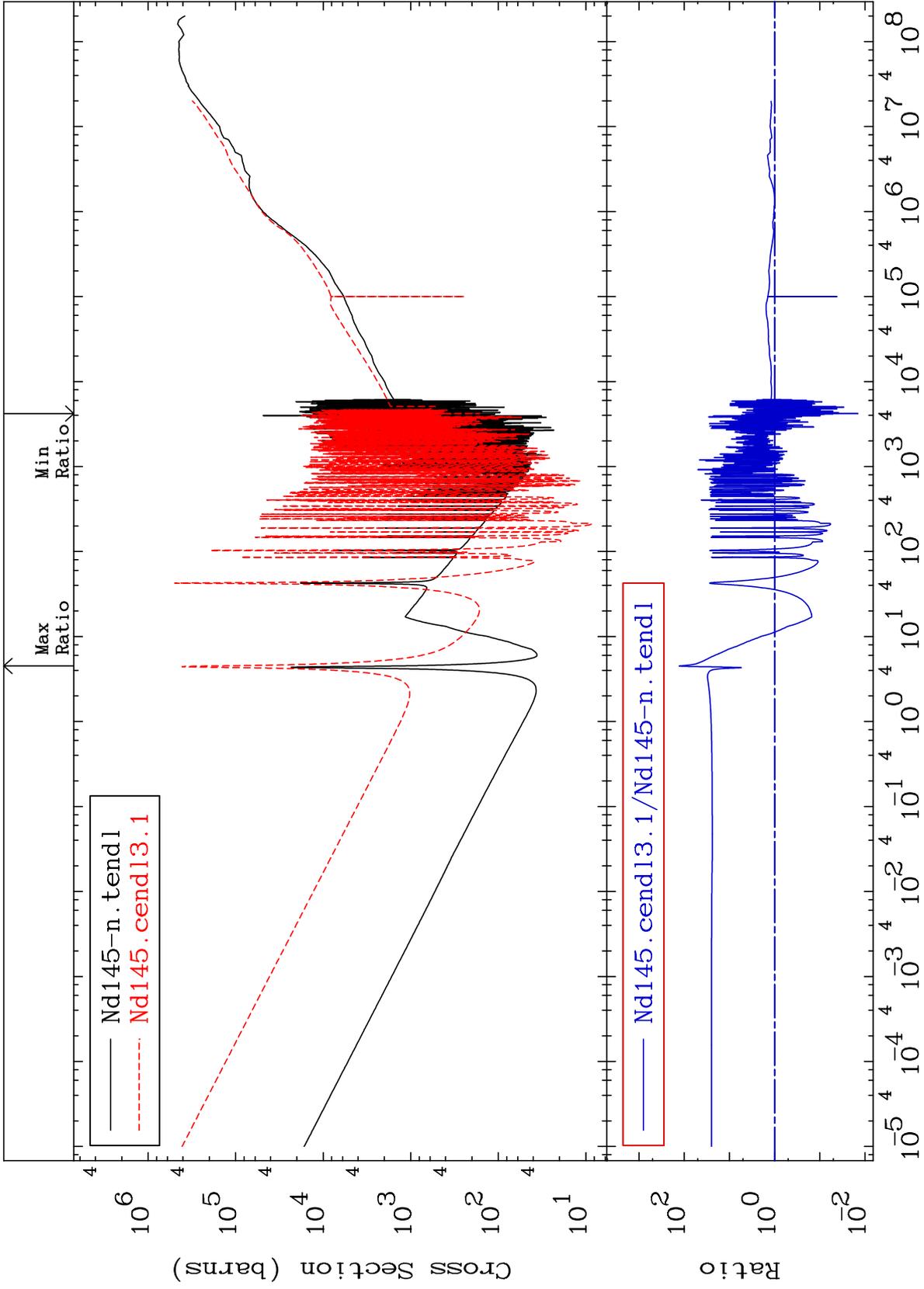
60-Nd-145
-100.0 To -74.15%



MAT 6034

Dpa total (eV-barns)
Cross Section

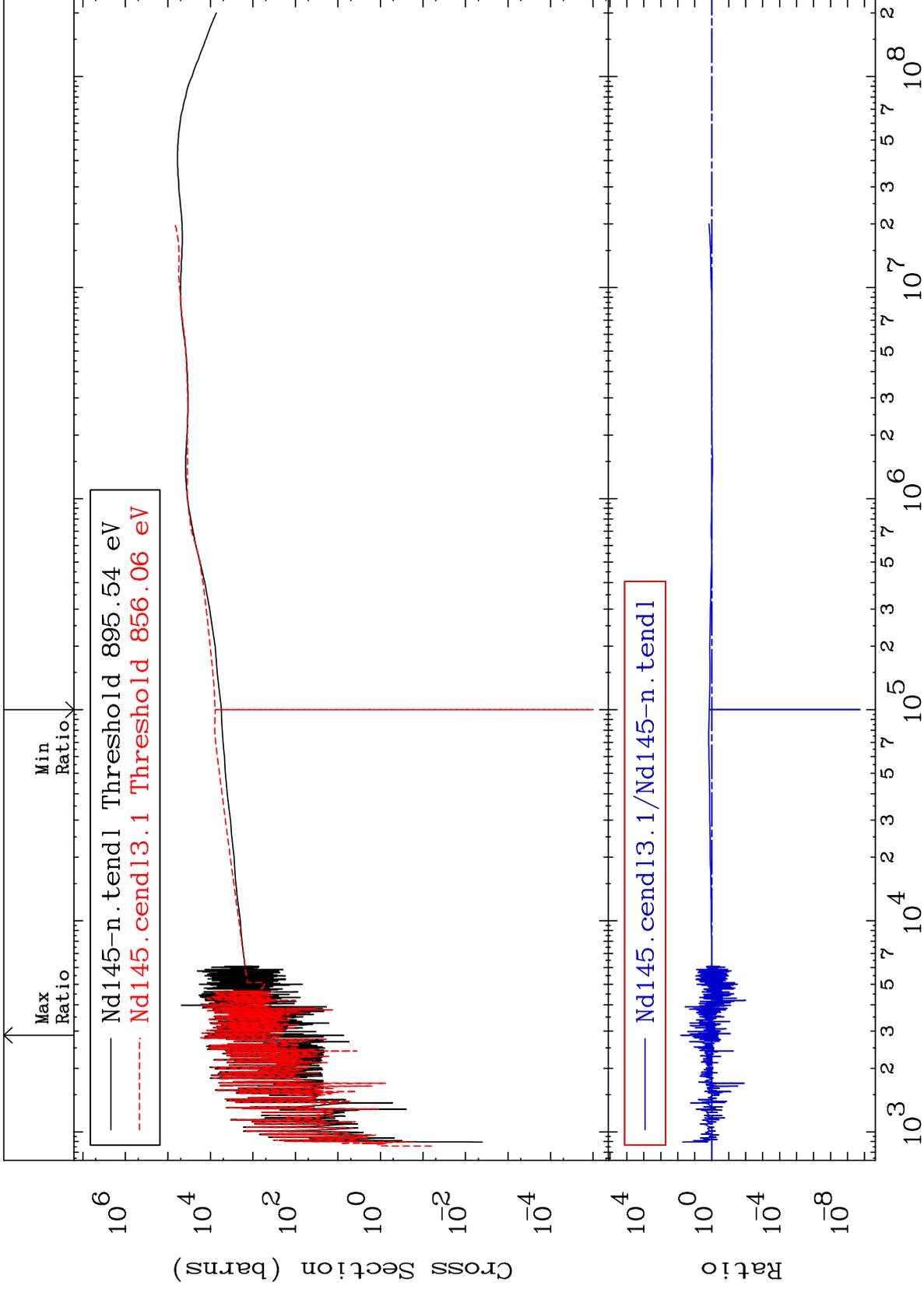
60-Nd-145
-98.57 To 9999. %



MAT 6034

Dpa elastic (mt2)
Cross Section

60-Nd-145
-100.0 To 6574. %



48

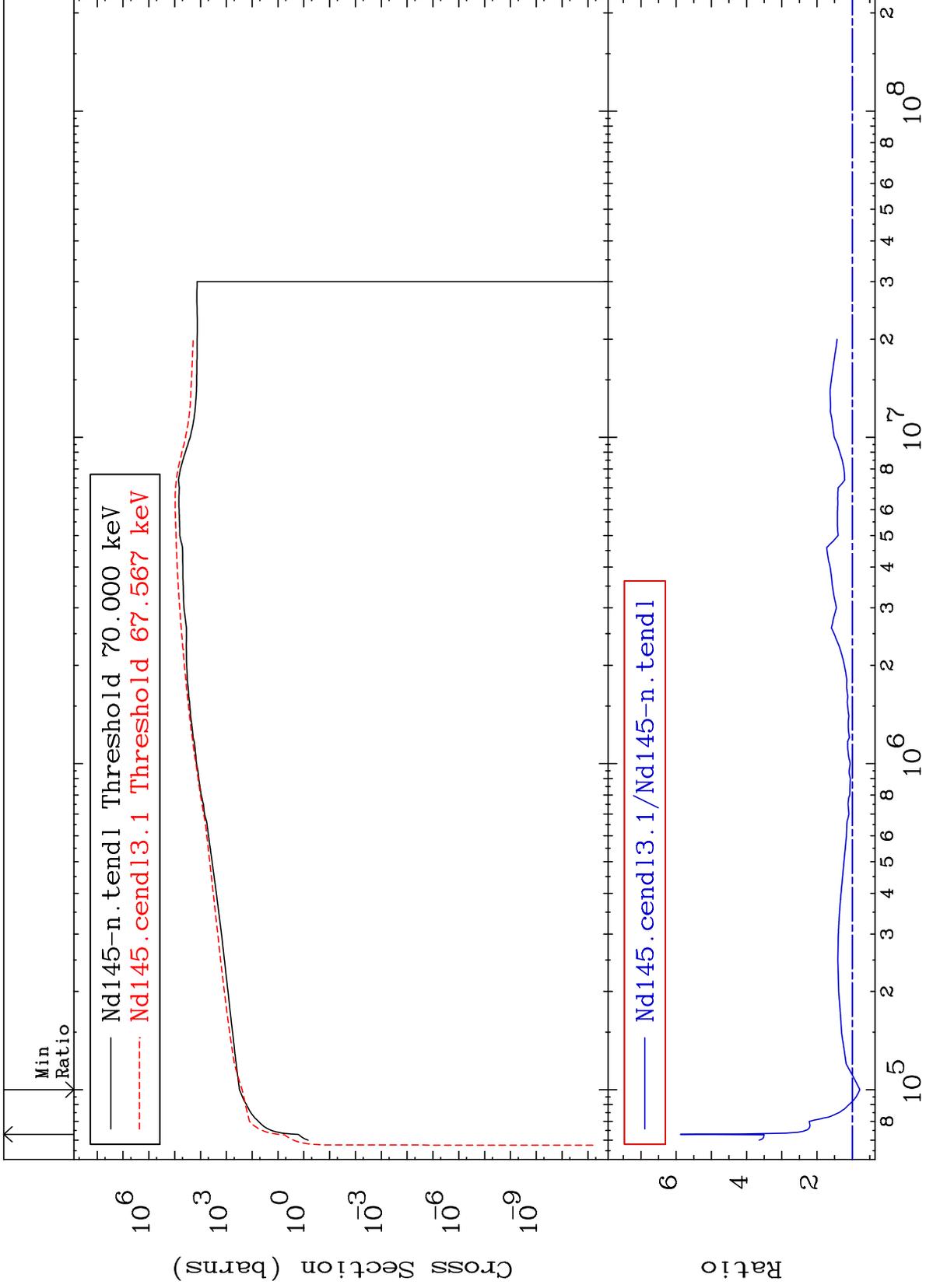
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa inelastic (mt51-91)
Cross Section

60-Nd-145
-21.51 To 487.6 %



49

Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-145
-99.04 To 9999. %

