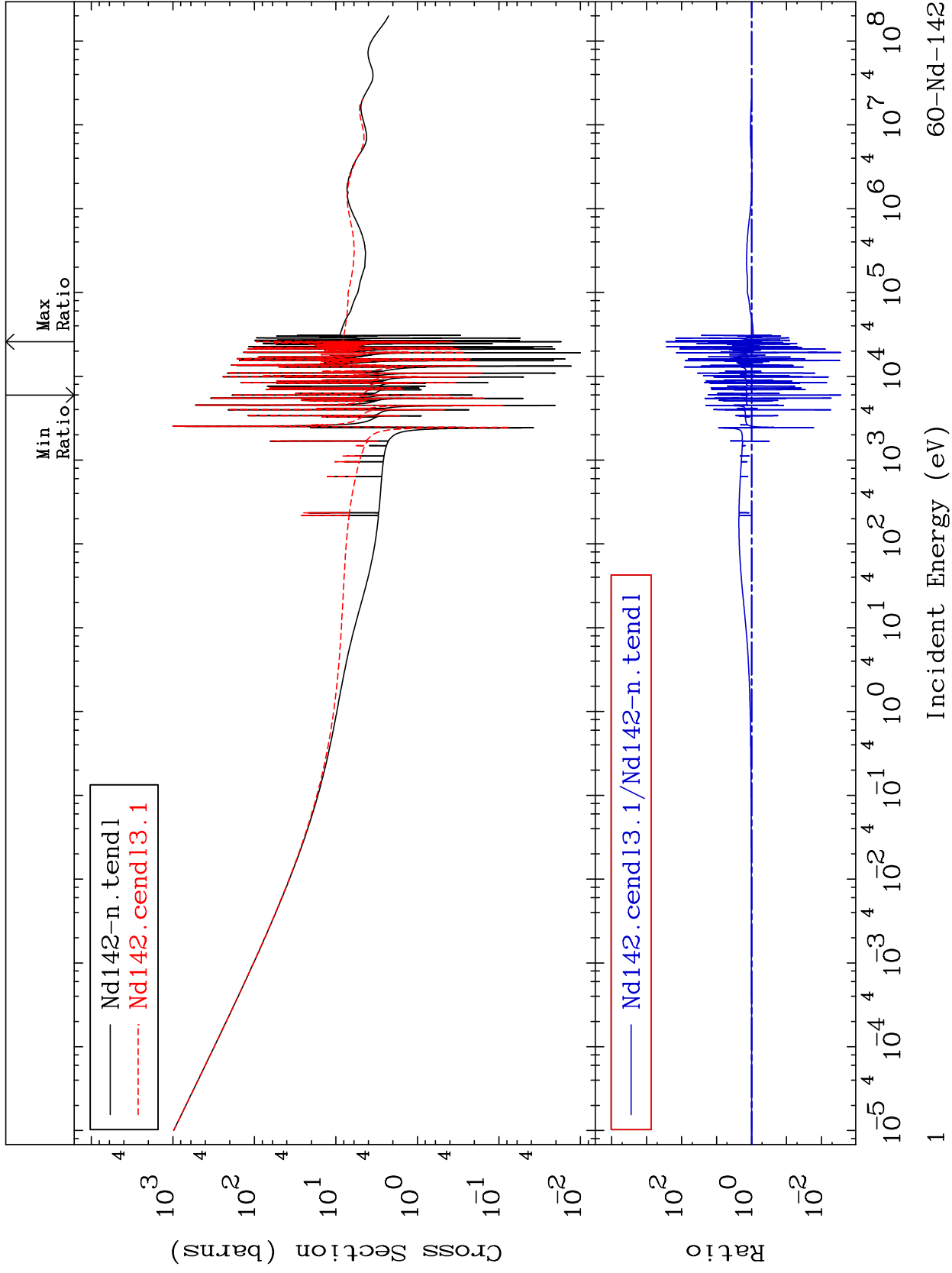


MAT 6025

Total Cross Section
60-Nd-142
-99.72 To 9999. %

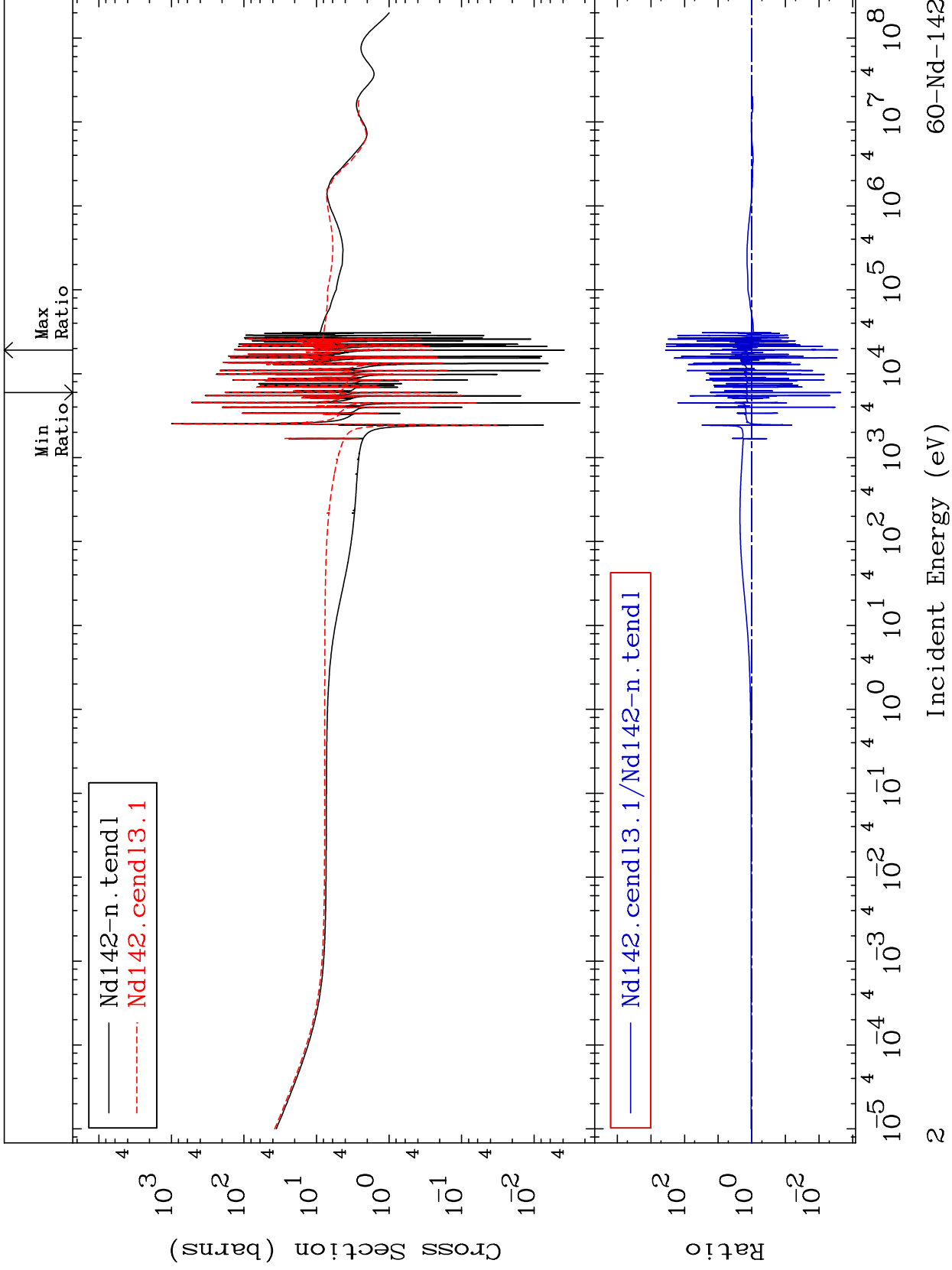


60-Nd-142

MAT 6025

Elastic
Cross Section

60-Nd-142
-99.77 To 9999. %



60-Nd-142

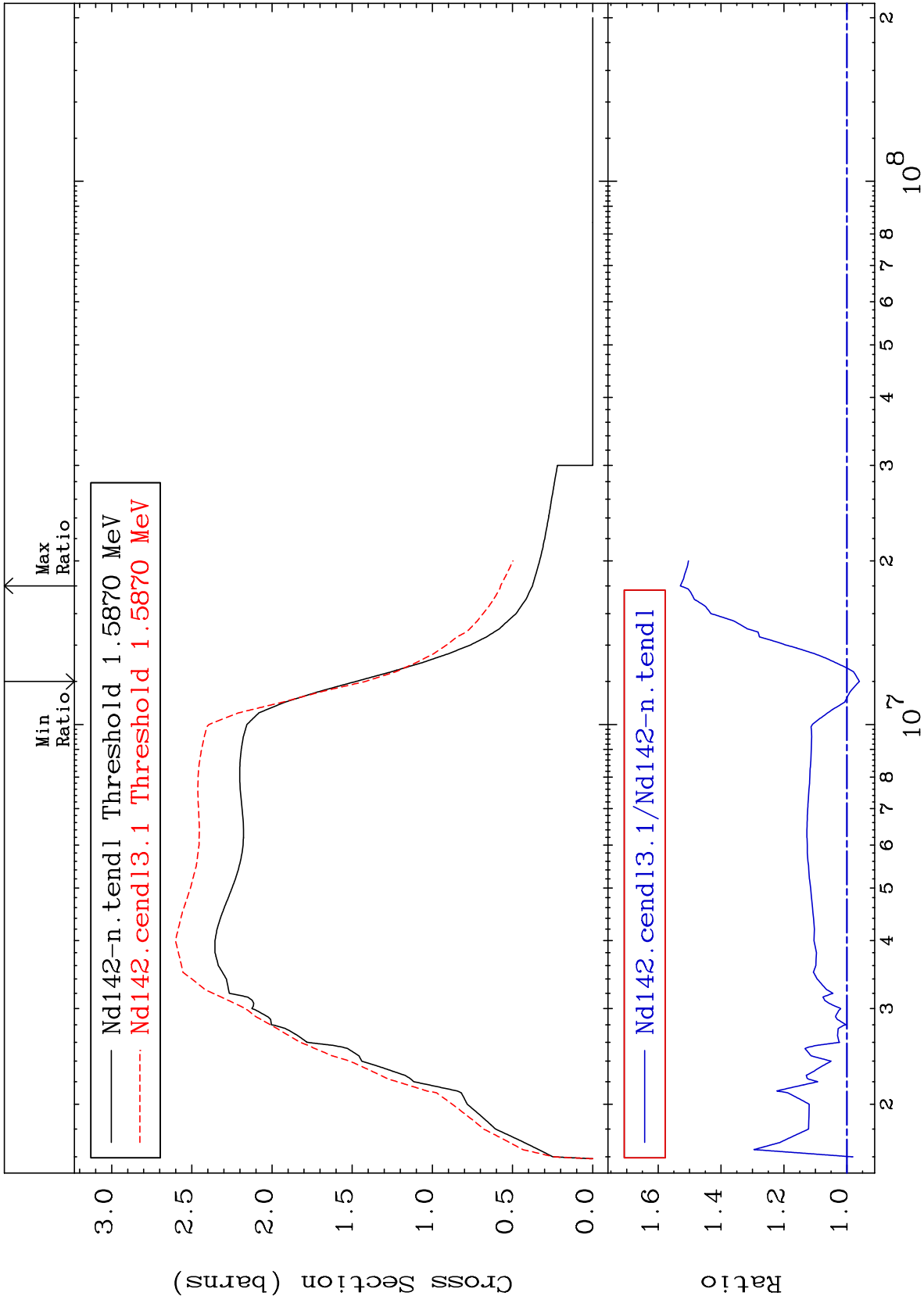
Incident Energy (eV)

2

MAT 6025

Inelastic
Cross Section

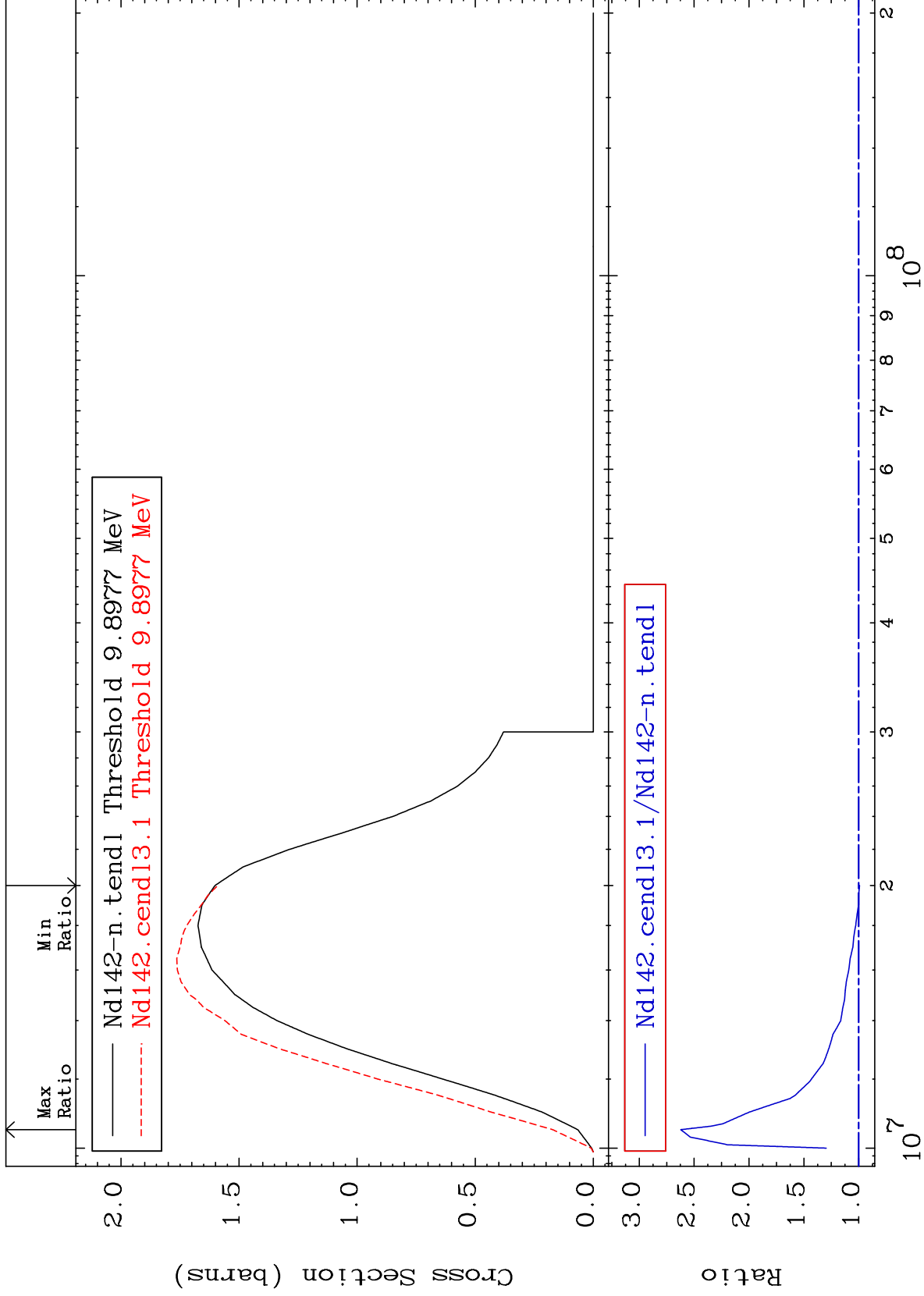
60-Nd-142
-3.983 To 52.93 %



MAT 6025

(n,2n)
Cross Section

60-Nd-142
-0.703 To 162.2 %

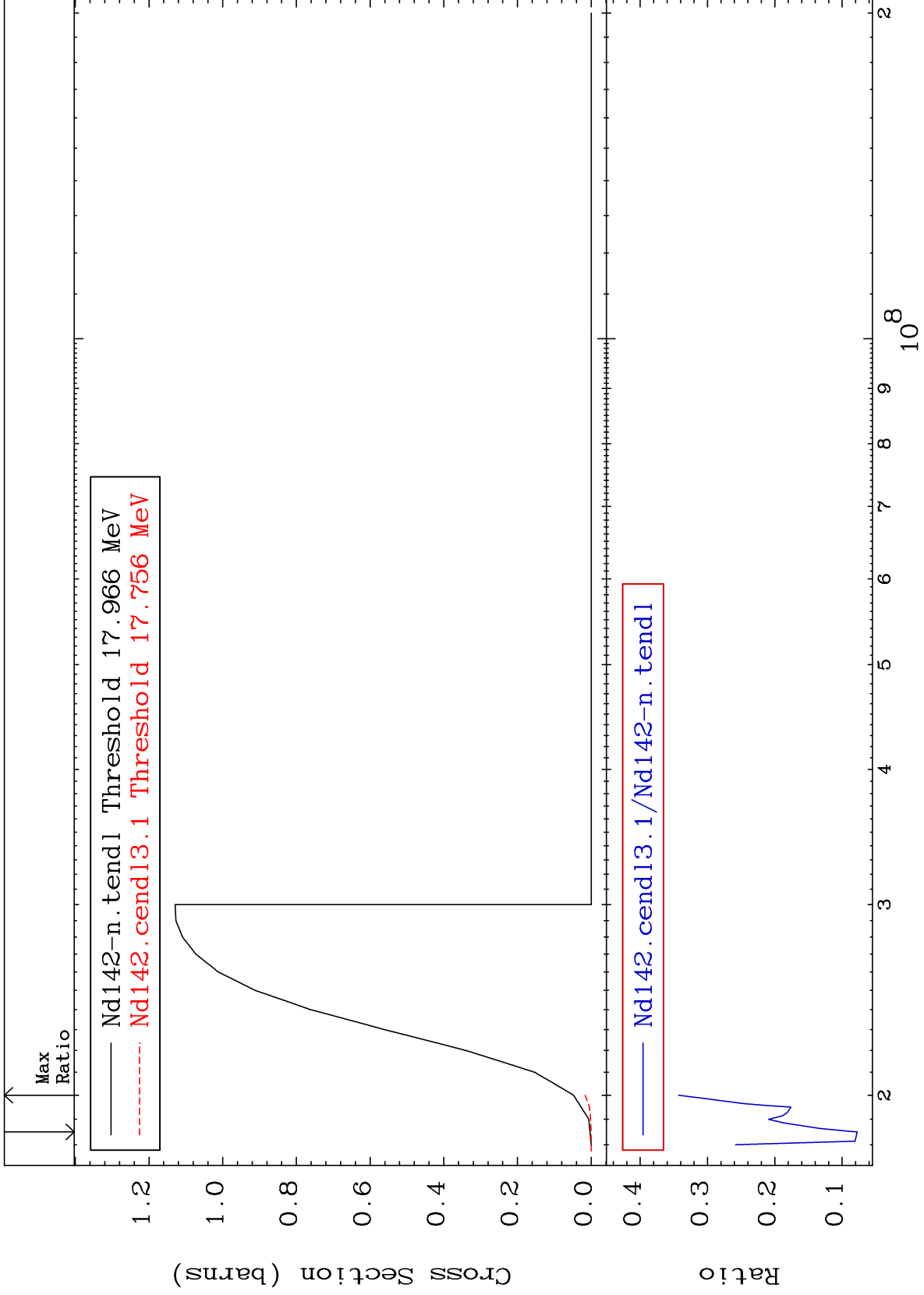


60-Nd-142

MAT 6025

(n,3n)
Cross Section

60-Nd-142
-92.25 To -65.71%

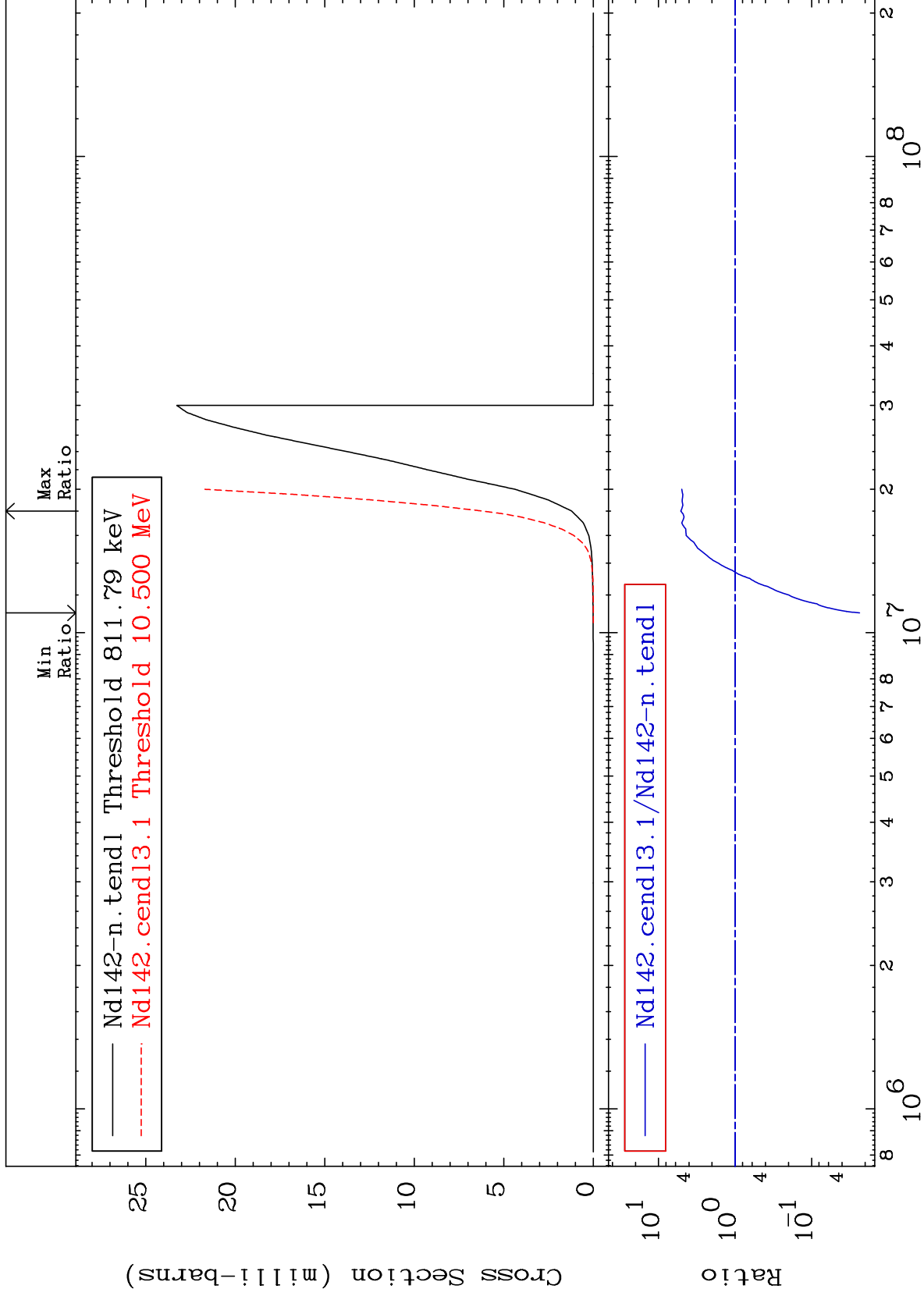


MAT 6025

60-Nd-142

(n, n') α

-97.63 To 411.9 %



6

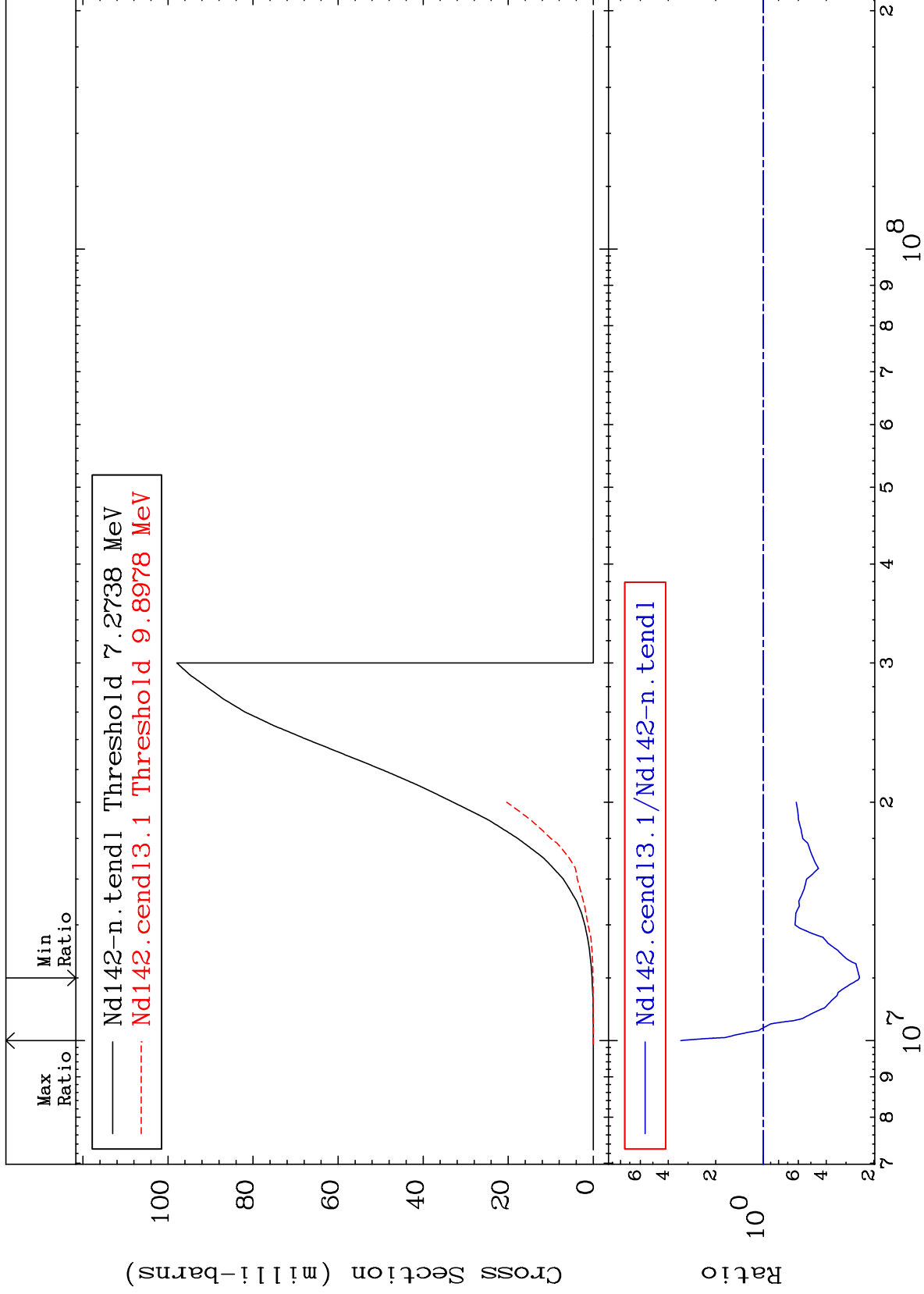
Incident Energy (eV)

60-Nd-142

MAT 6025

(n, n') p
Cross Section

60-Nd-142
-75.38 To 232.9 %



7

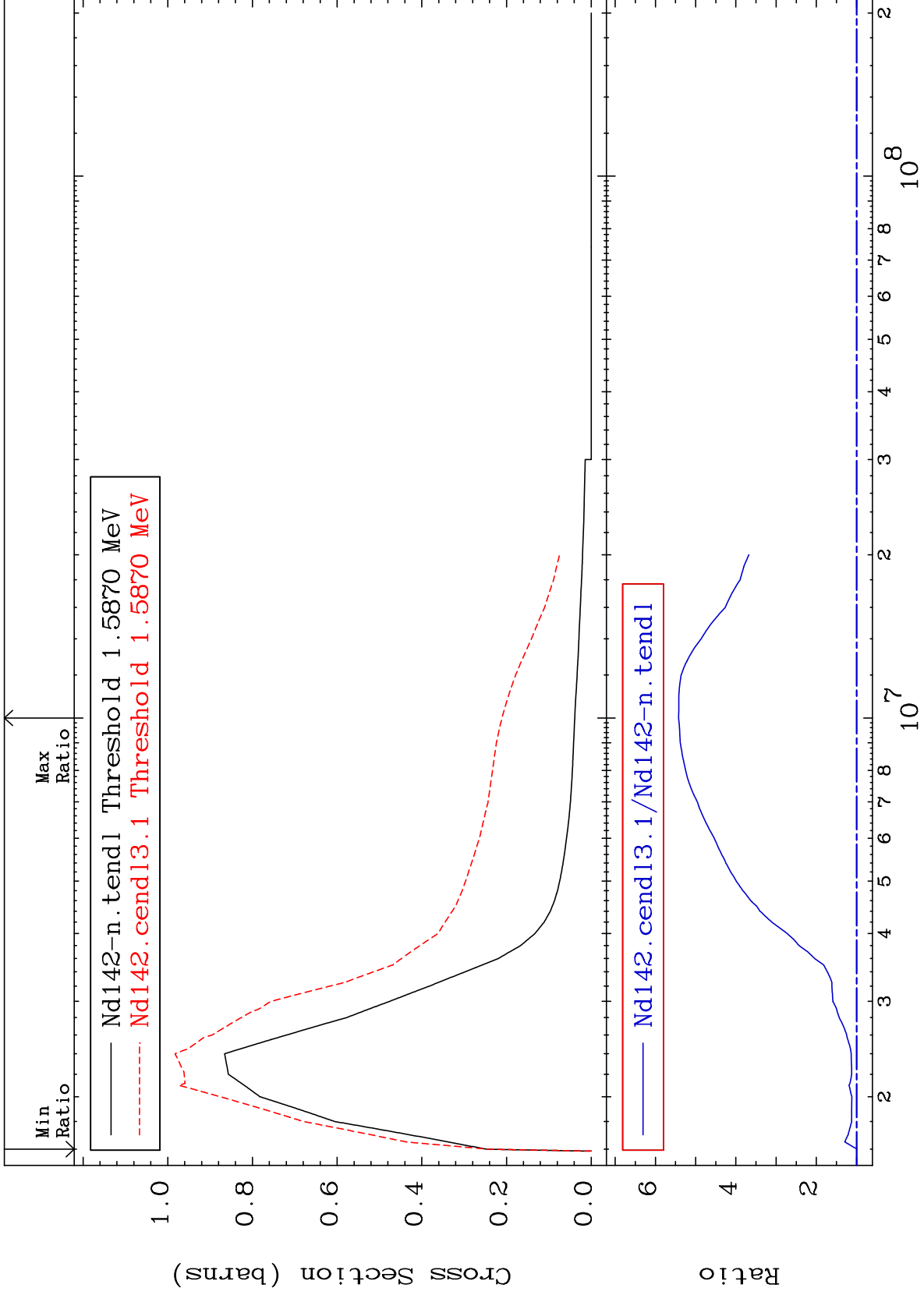
Incident Energy (eV)

60-Nd-142

MAT 6025

1.576 MeV (n,n') Level
Cross Section

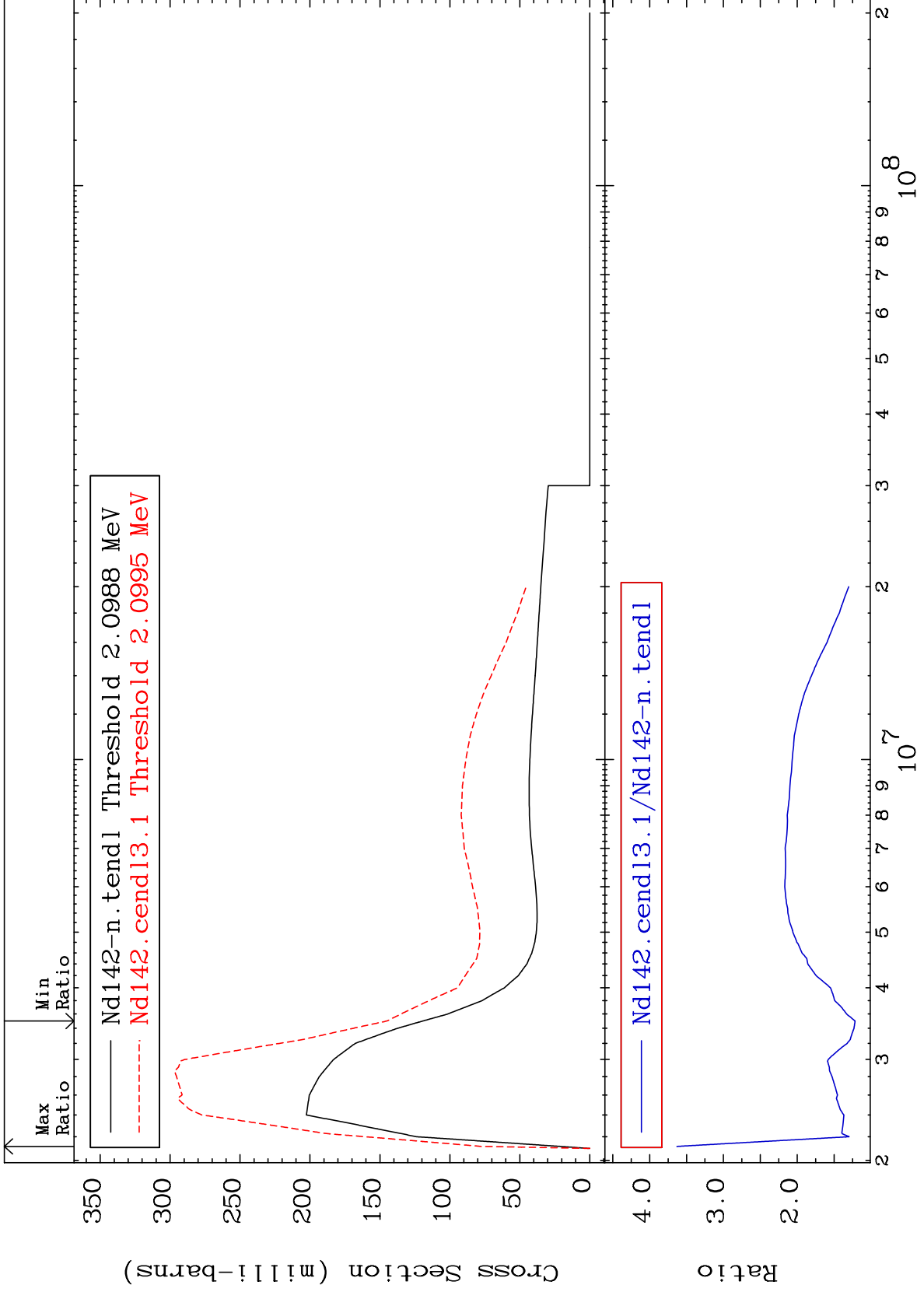
60-Nd-142
-1.676 To 442.3 %



MAT 6025

2.084 MeV (n,n') Level
Cross Section

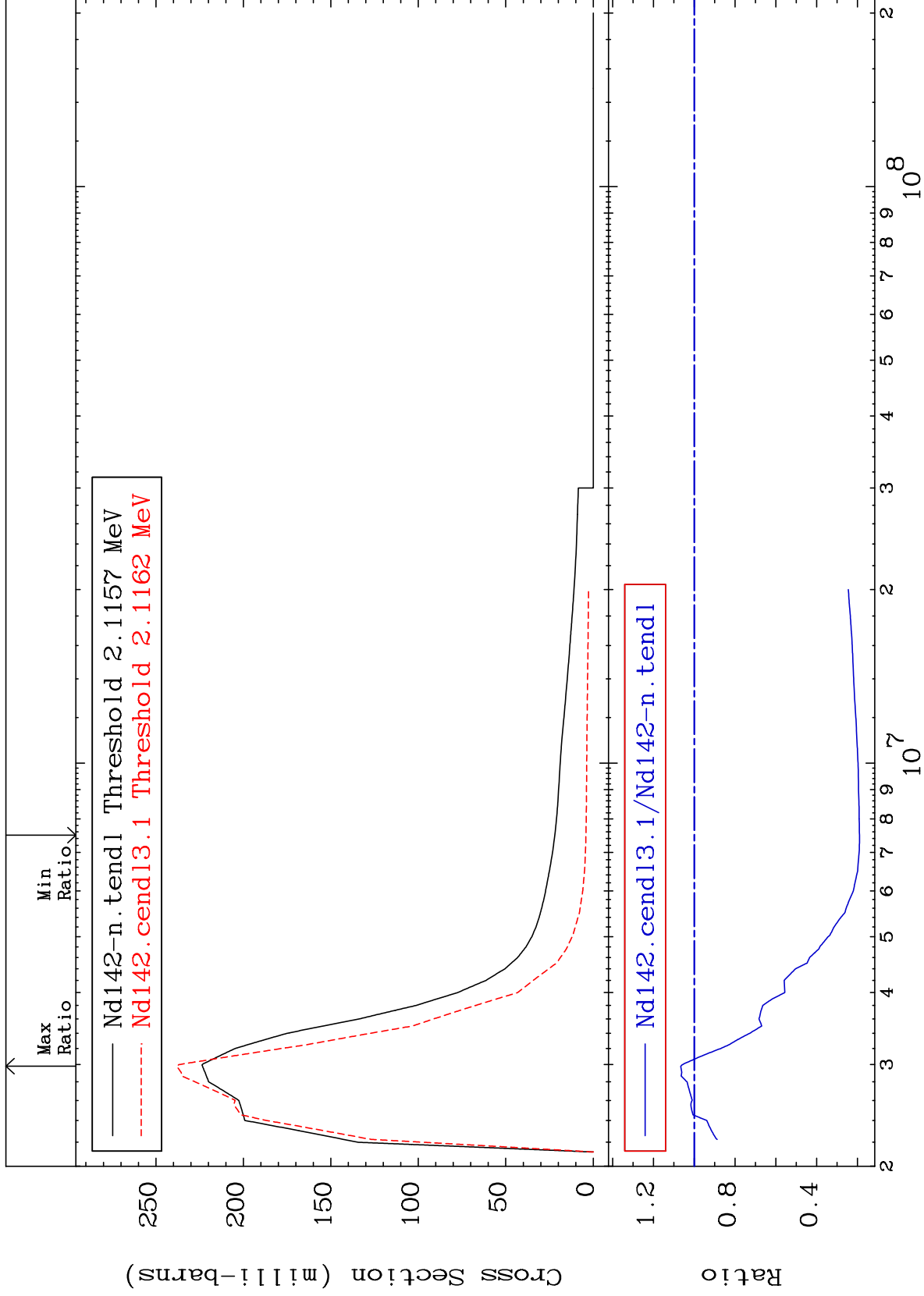
60-Nd-142
21.51 To 263.0 %



MAT 6025

2.101 MeV (n,n') Level
Cross Section

60-Nd-142
-81.00 To 6.580 %



10

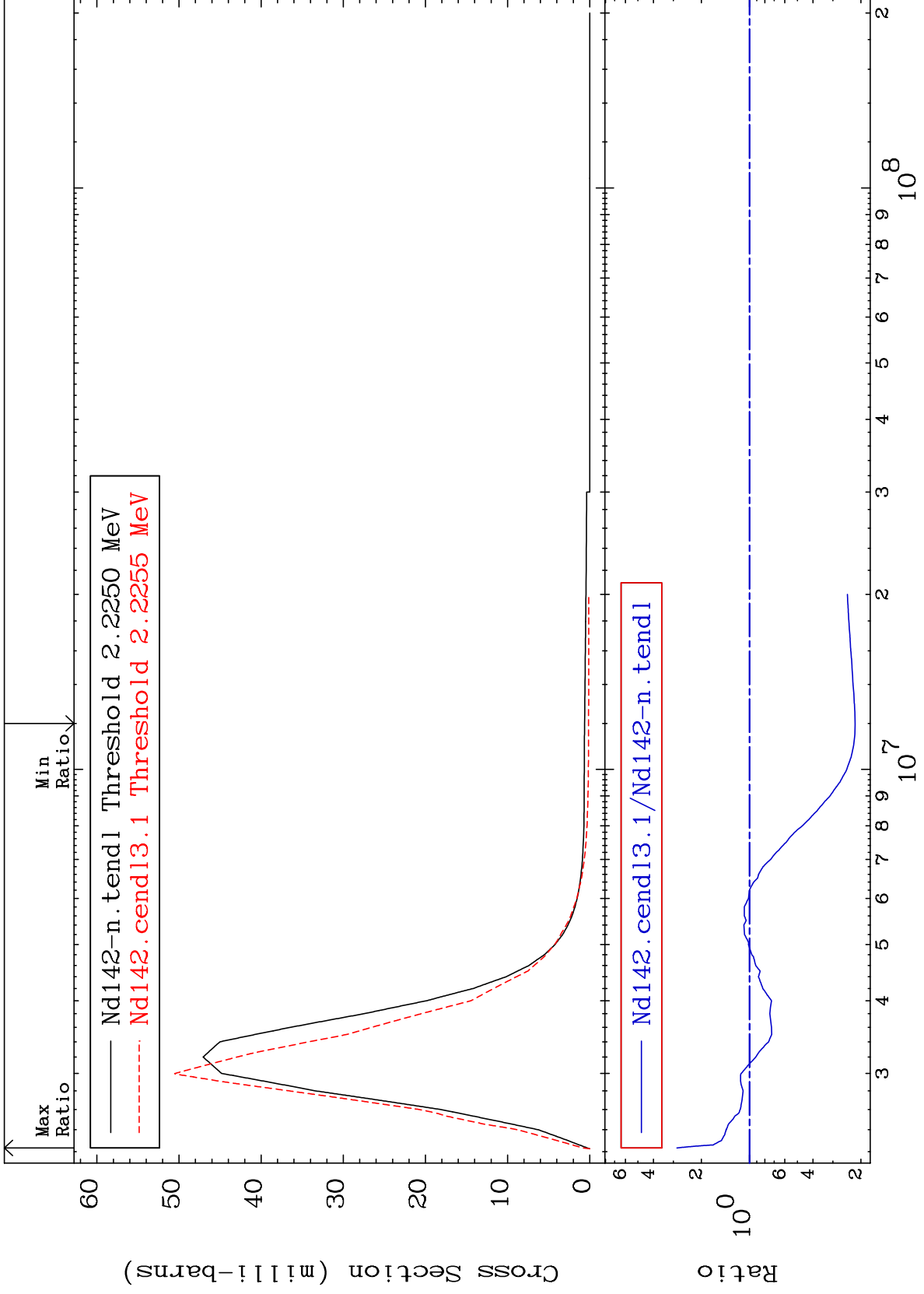
Incident Energy (eV)

60-Nd-142

MAT 6025

2.209 MeV (n,n') Level
Cross Section

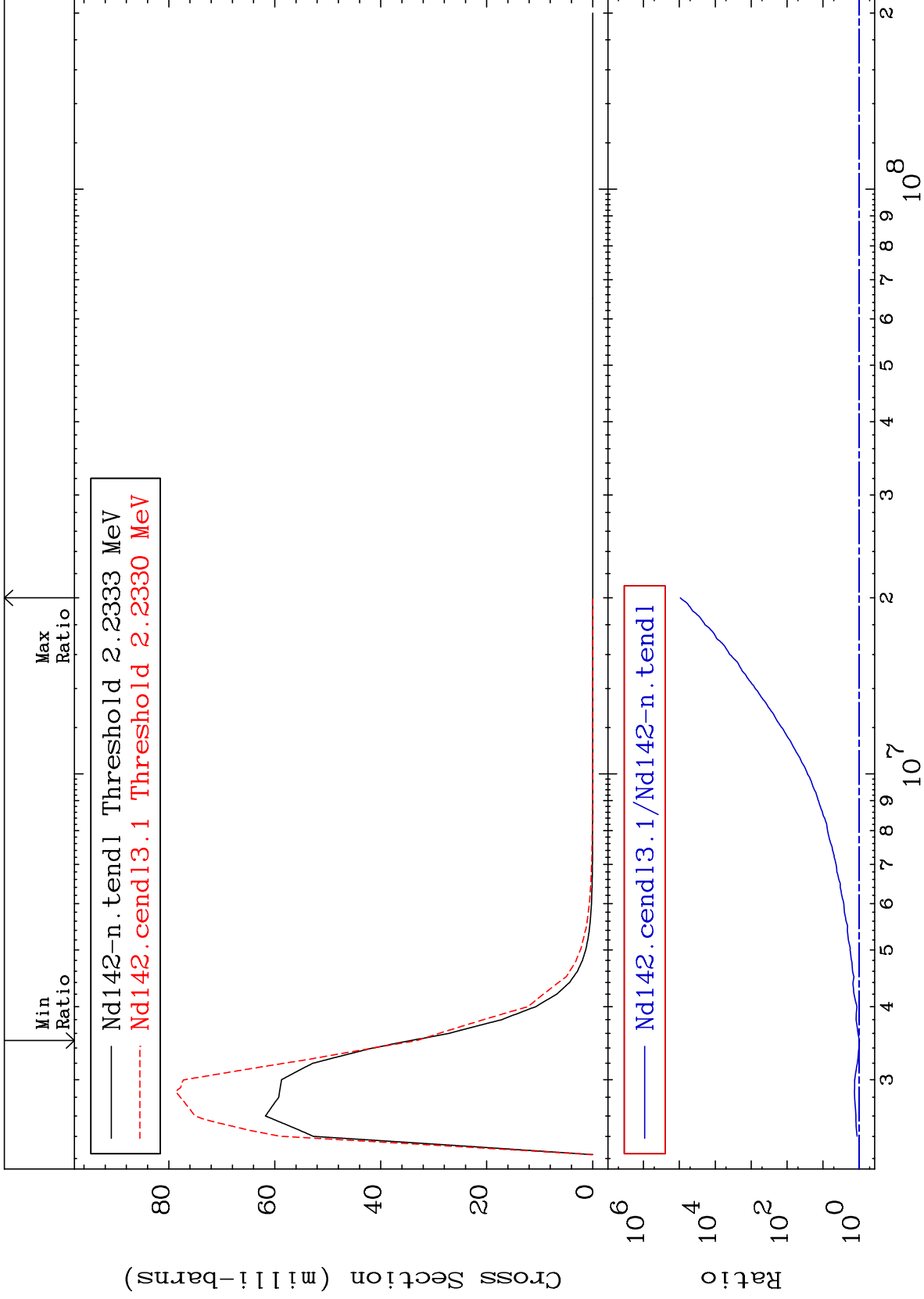
60-Nd-142
-78.23 To 184.9 %



MAT 6025

2.217 MeV (n,n') Level
Cross Section

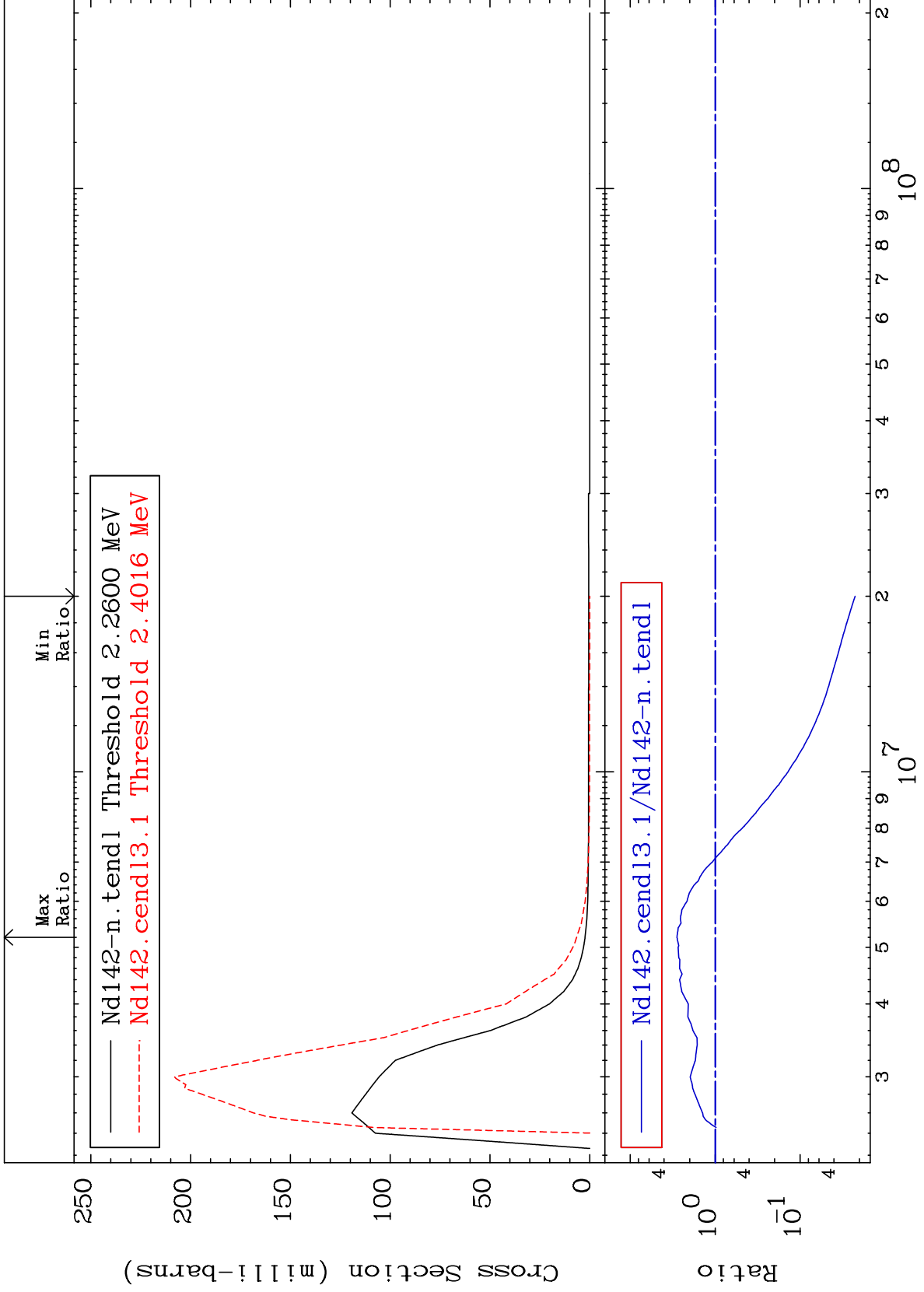
60-Nd-142
-3.220 To 9999. %



MAT 6025

2.244 MeV (n,n') Level
Cross Section

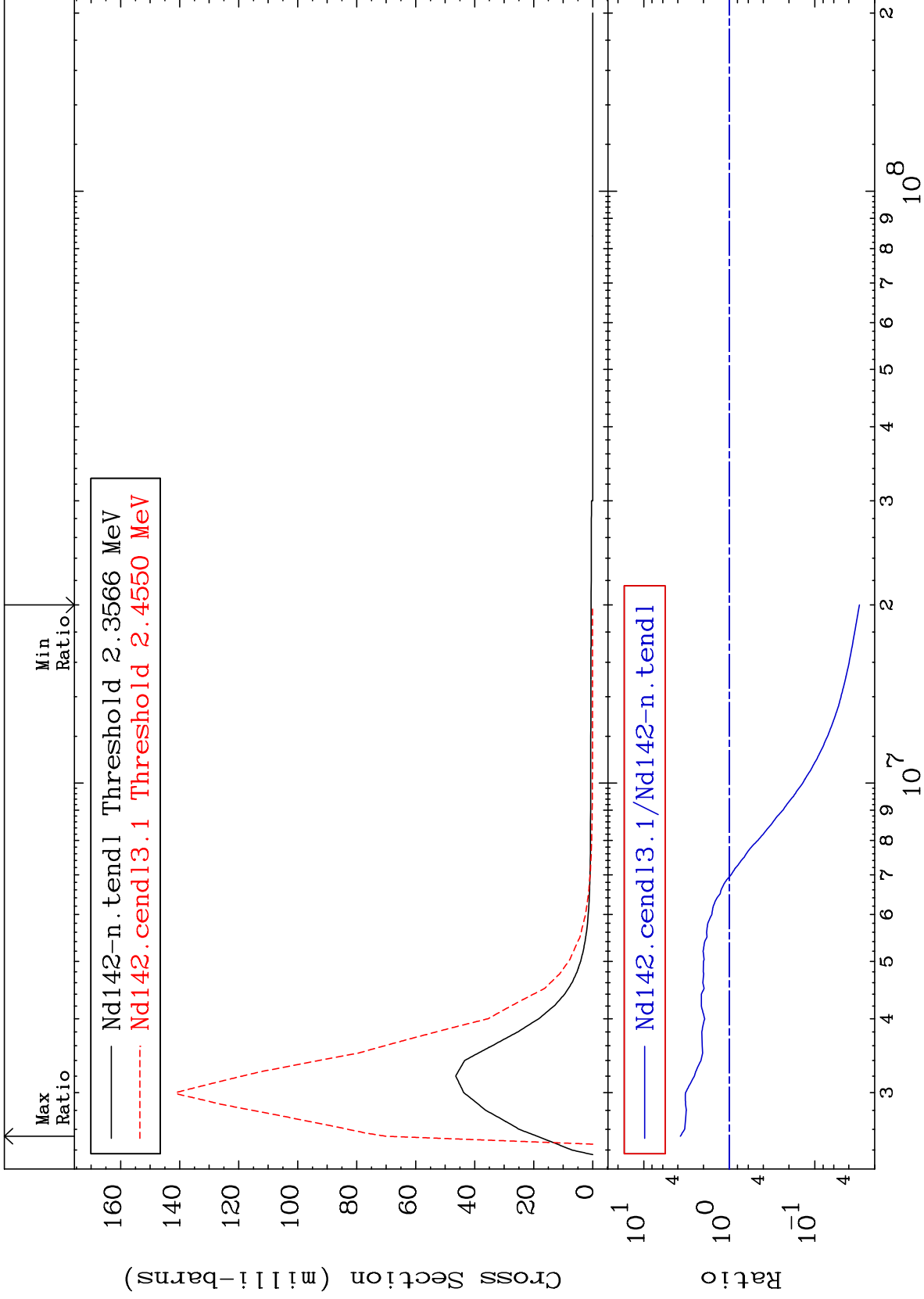
60-Nd-142
-97.74 To 182.4 %



MAT 6025

2.340 MeV (n,n') Level
Cross Section

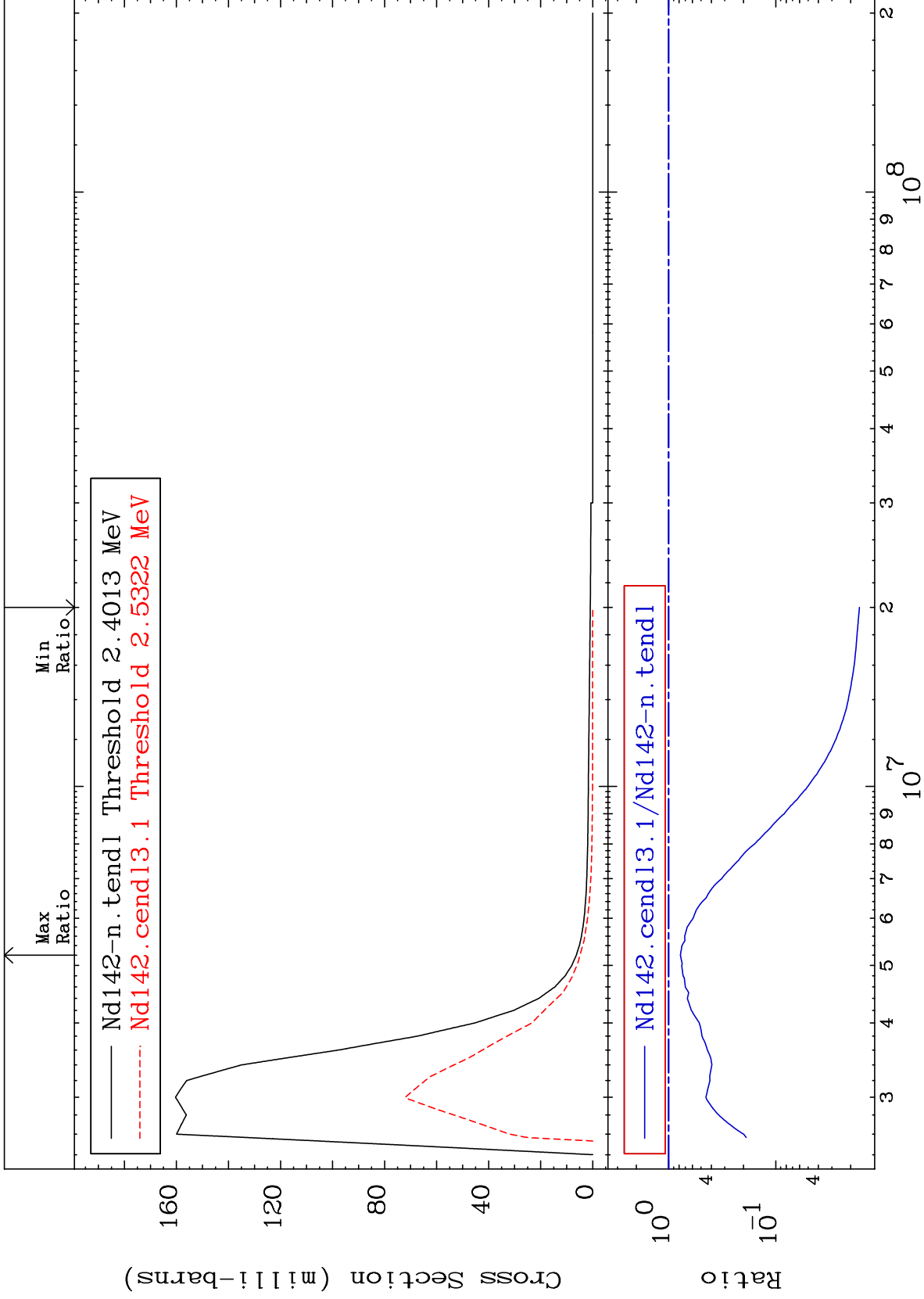
60-Nd-142
-96.99 To 273.0 %



MAT 6025

2.384 MeV (n,n') Level
Cross Section

60-Nd-142
-98.34 To -22.23%



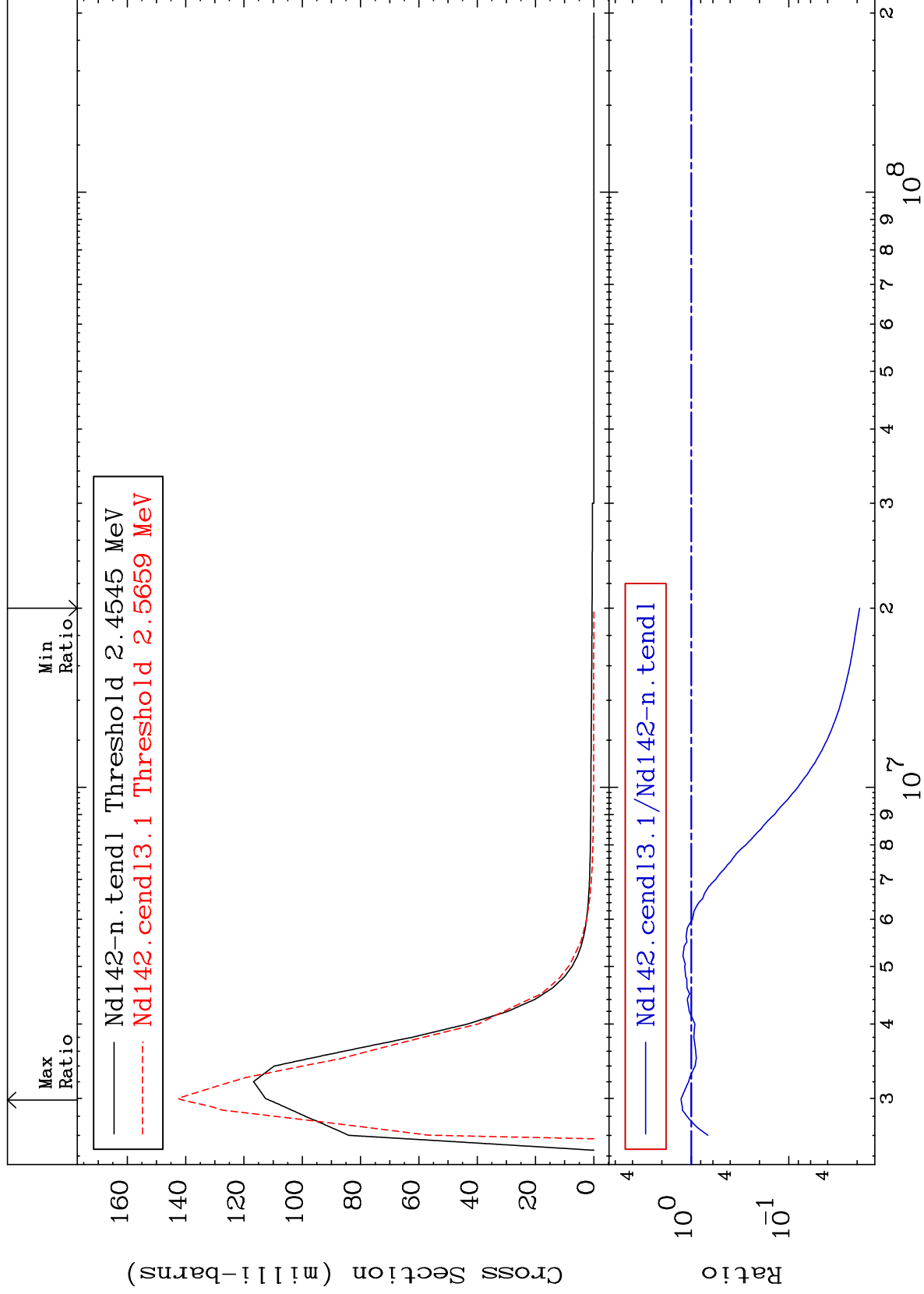
15

60-Nd-142

MAT 6025

2.437 MeV (n,n') Level
Cross Section

60-Nd-142
-98.11 To 26.75 %



16

Incident Energy (eV)

60-Nd-142

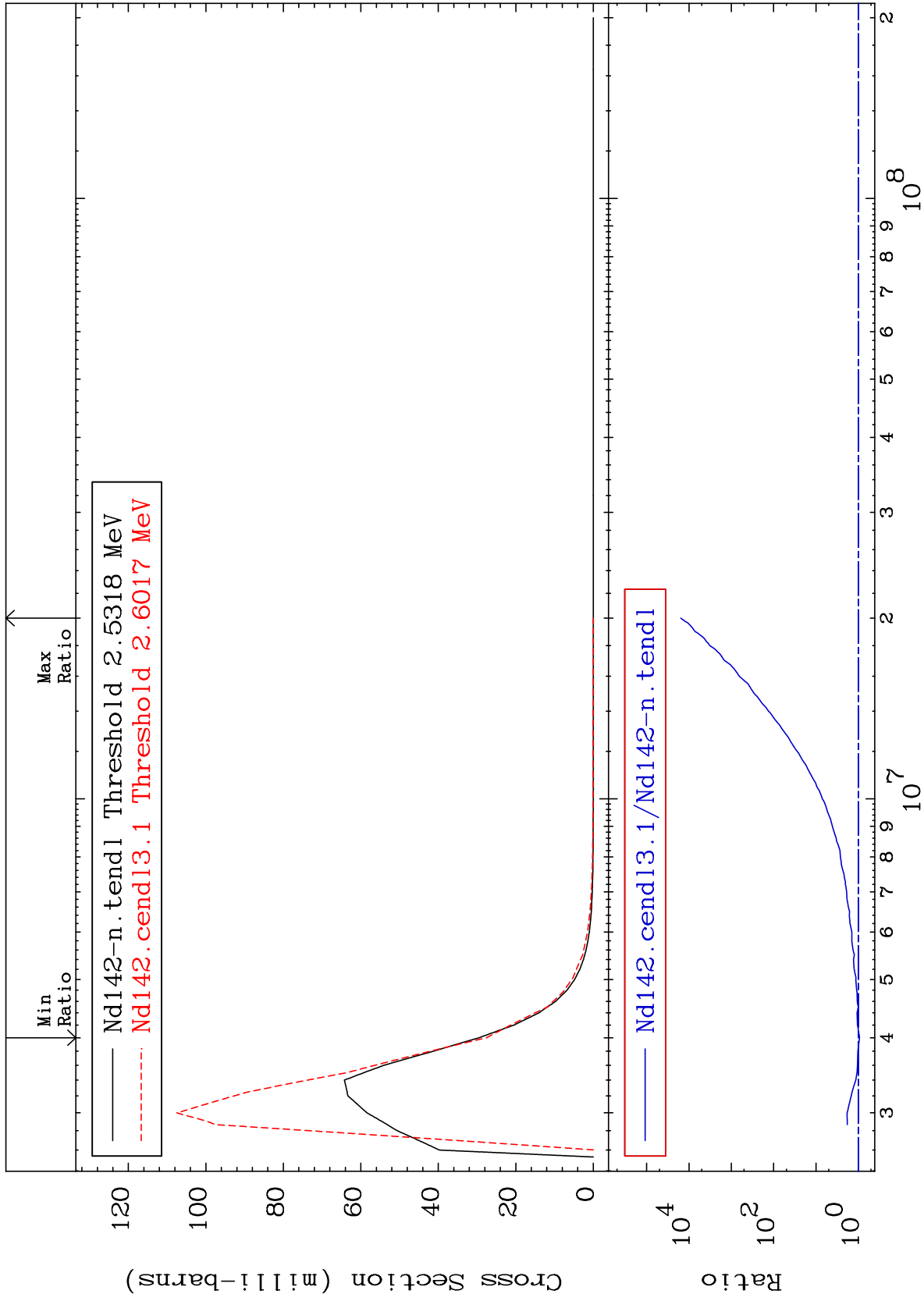
MAT 6025

2.514 MeV (n,n') Level

60-Nd-142

-6.477 To 9999. %

Cross Section



17

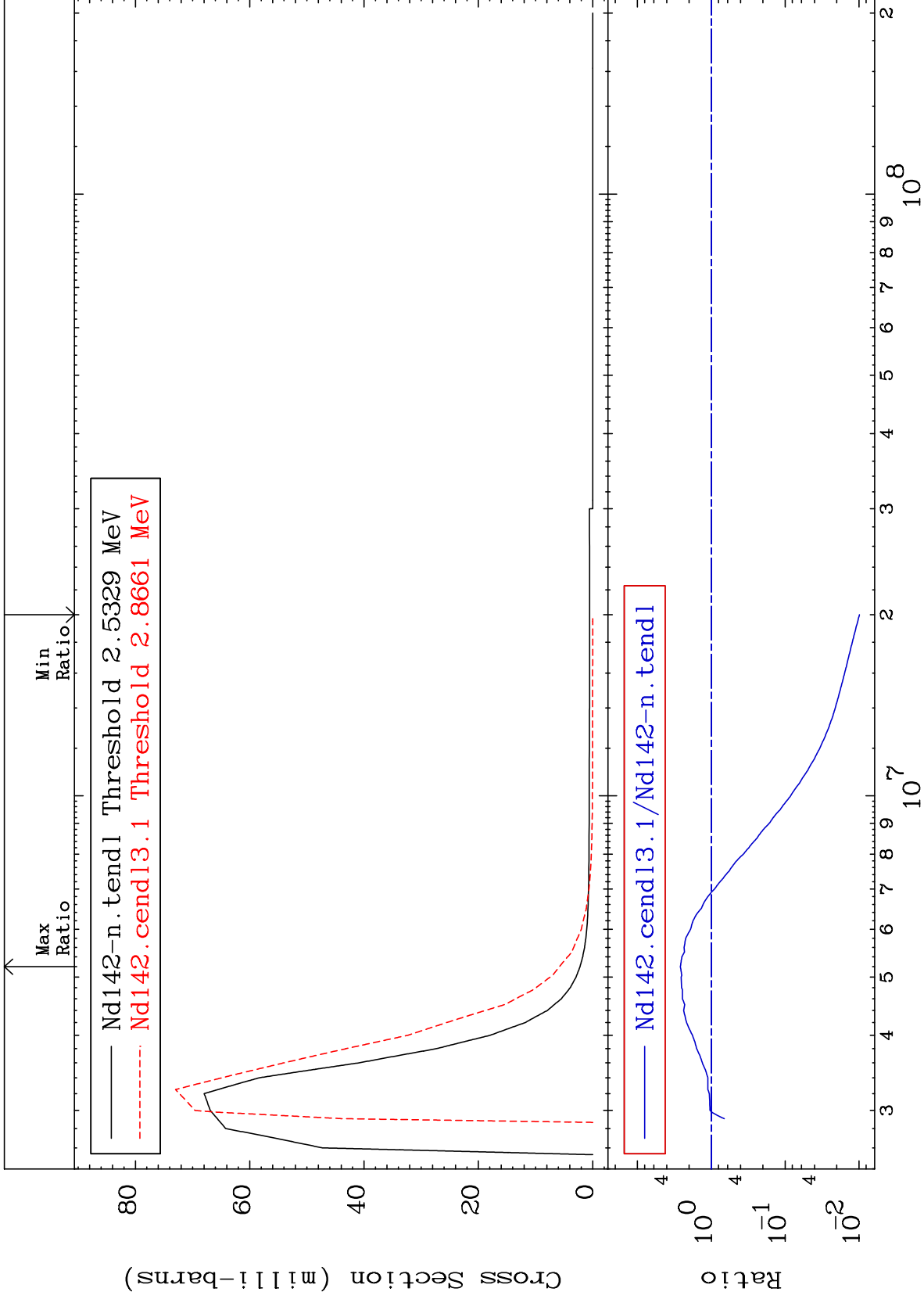
Incident Energy (eV)

60-Nd-142

MAT 6025

2.515 MeV (n,n') Level
Cross Section

60-Nd-142
-99.01 To 162.3 %



18

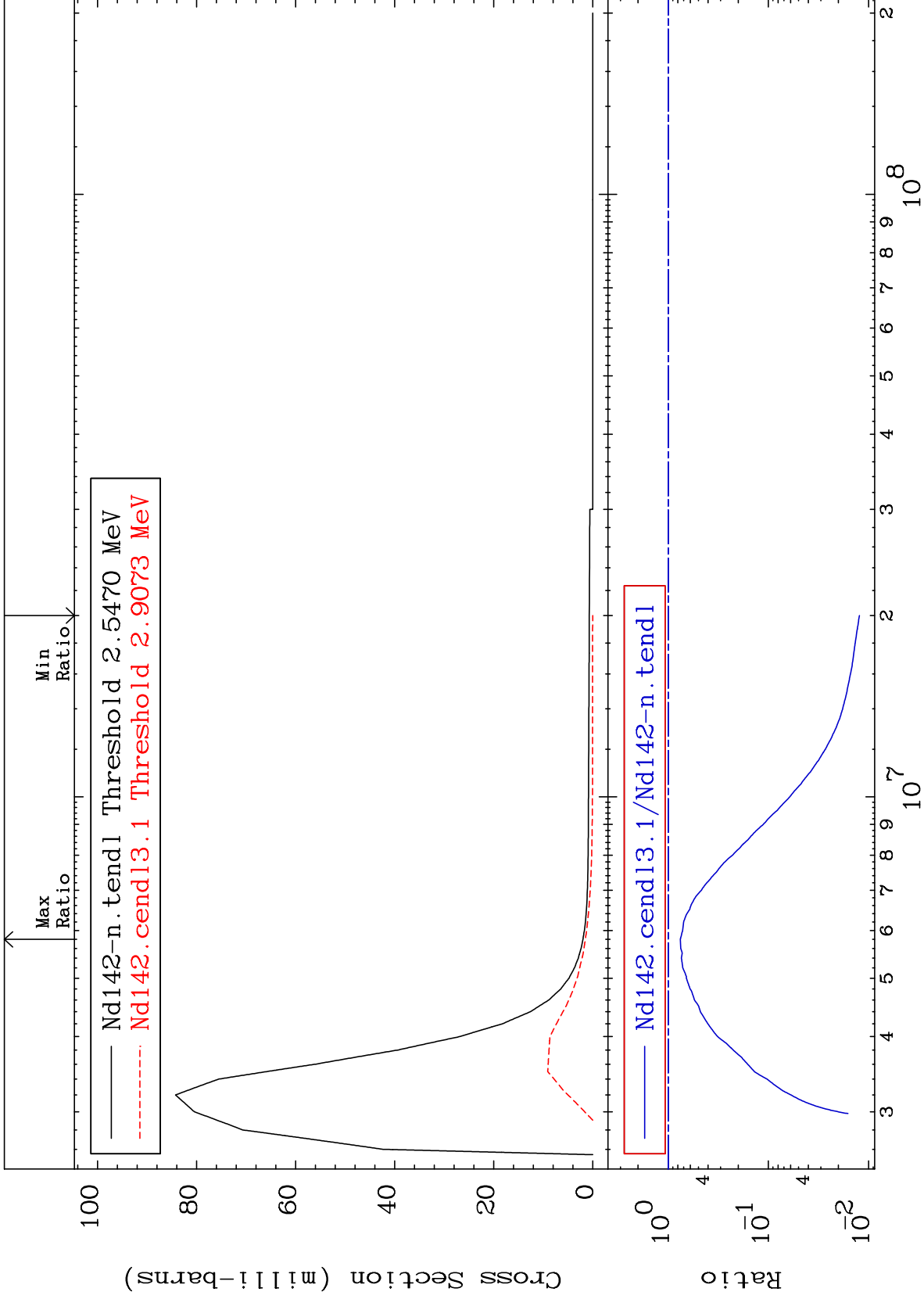
Incident Energy (eV)

60-Nd-142

MAT 6025

2.529 MeV (n,n') Level
Cross Section

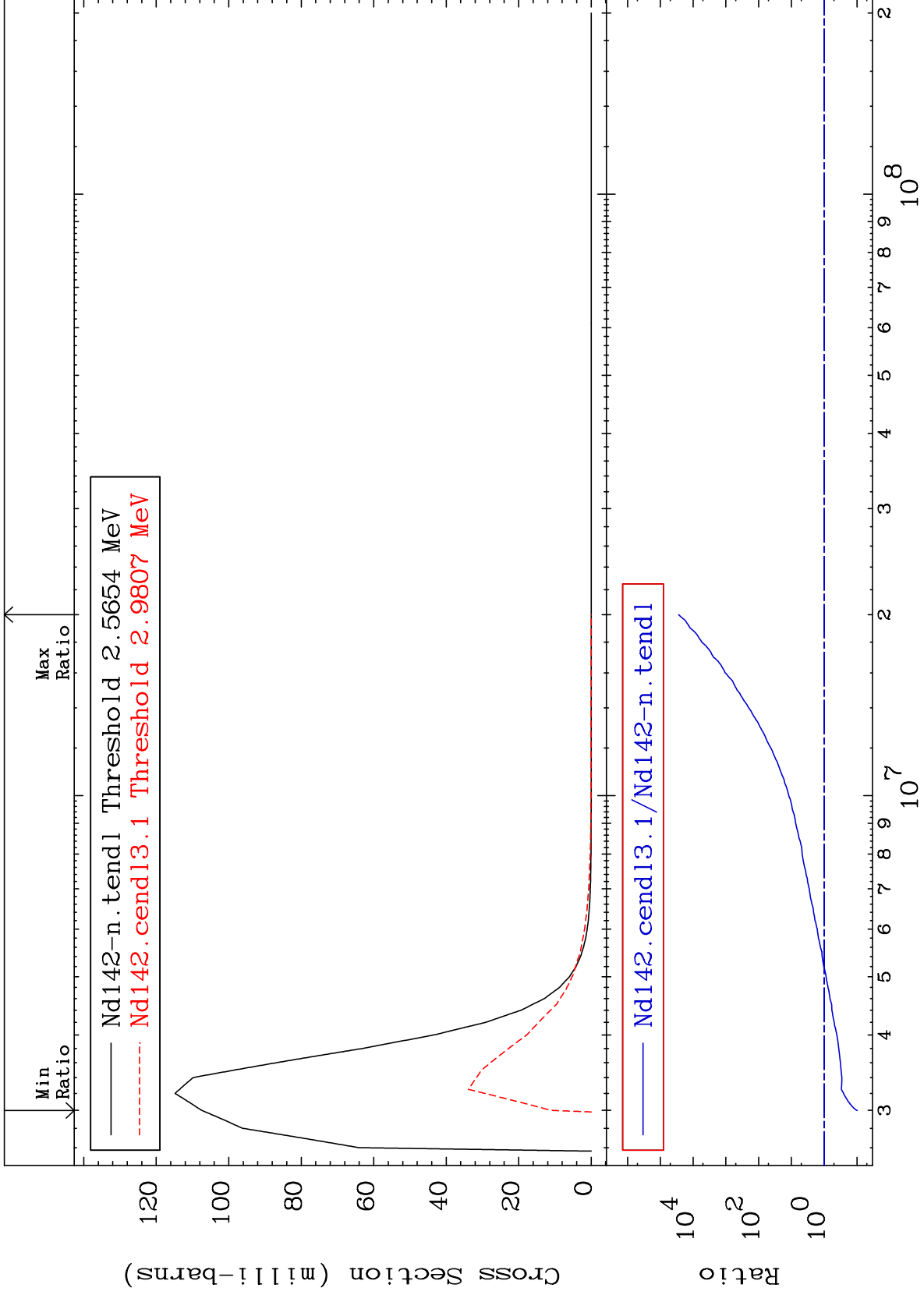
60-Nd-142
-98.77 To -24.39%



MAT 6025

2.547 MeV (n,n') Level
Cross Section

60-Nd-142
-90.21 To 9999. %



20

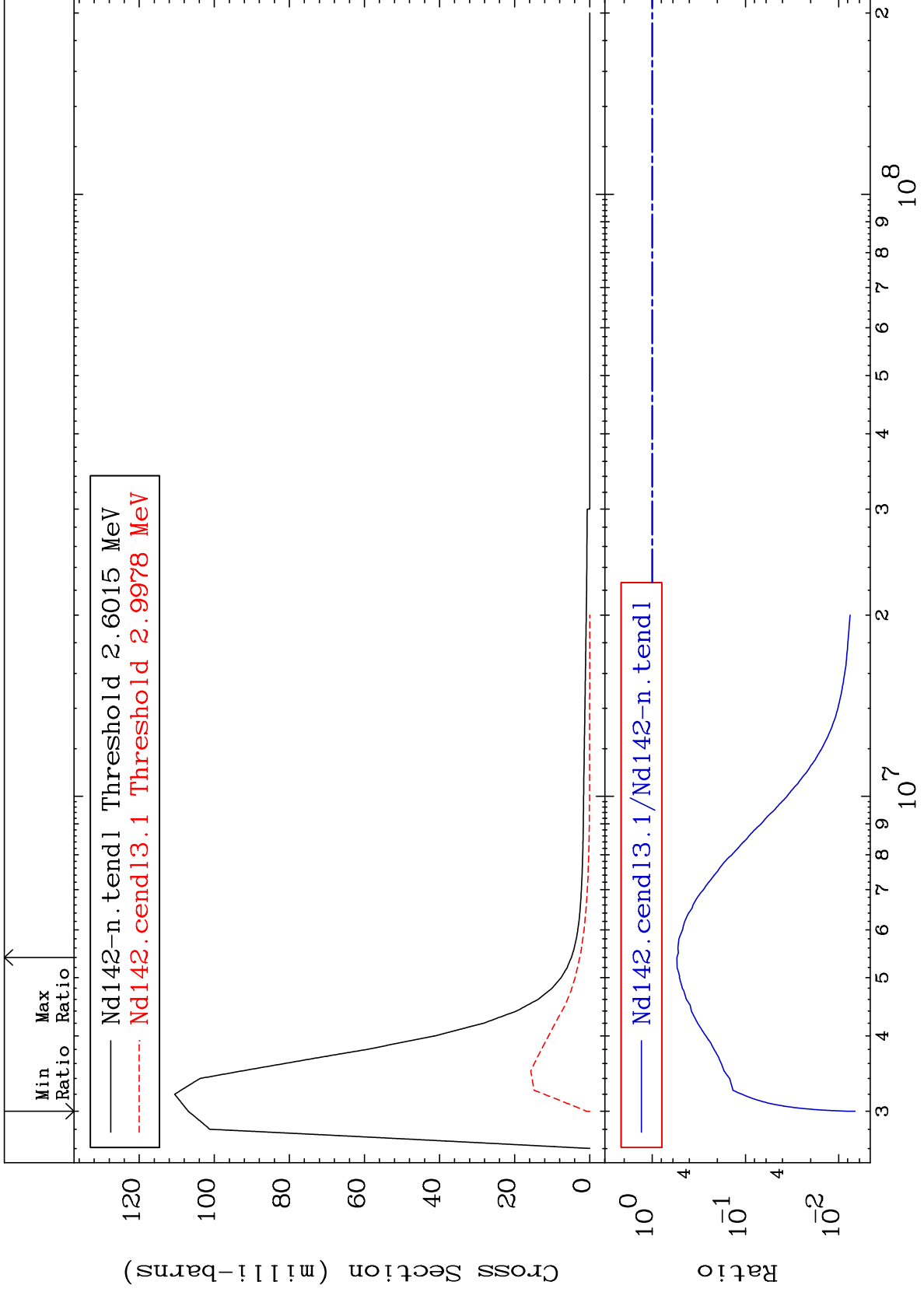
Incident Energy (eV)

60-Nd-142

MAT 6025

2.583 MeV (n,n') Level
Cross Section

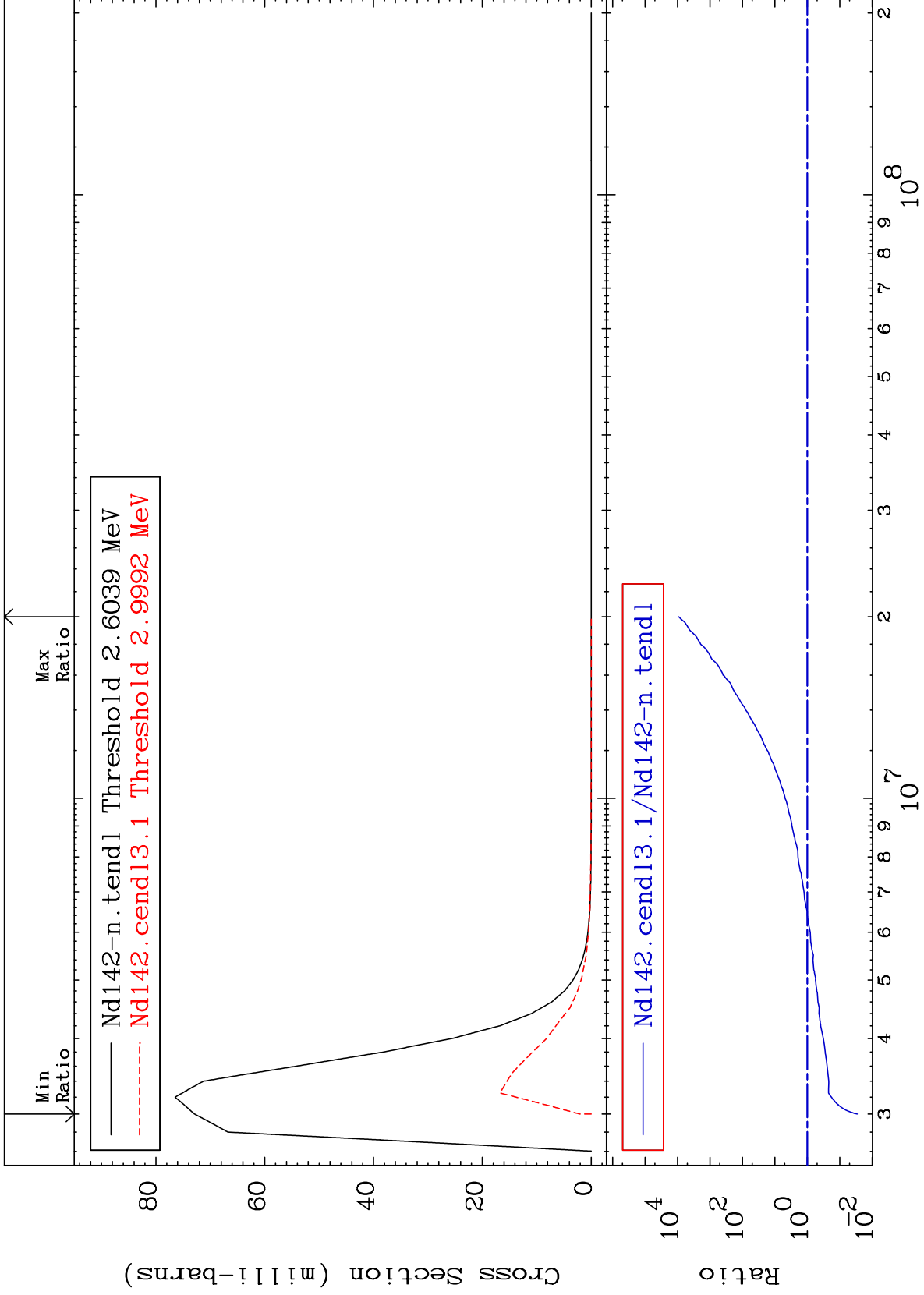
60-Nd-142
-99.33 To -45.65%



MAT 6025

2.586 MeV (n,n') Level
Cross Section

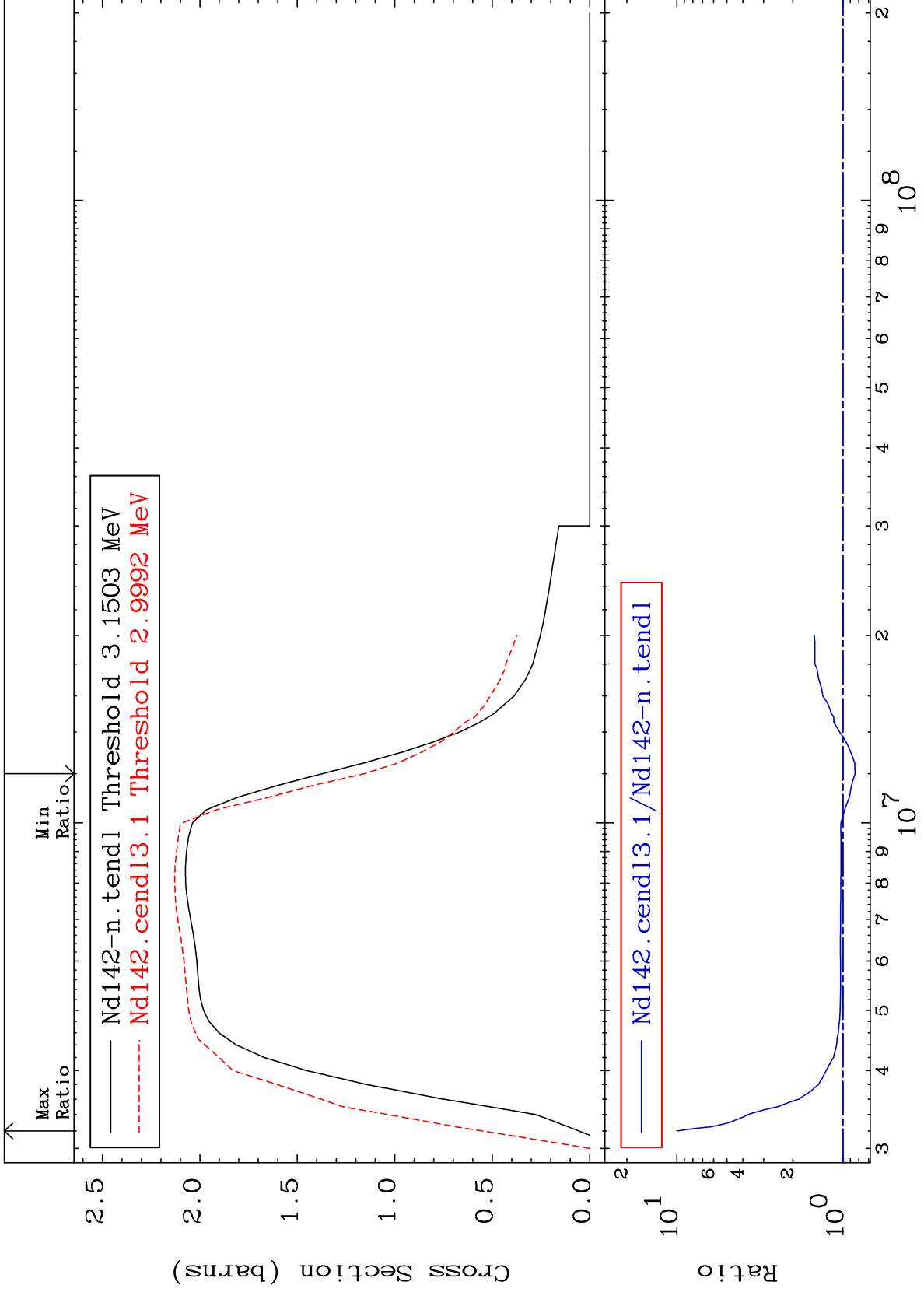
60-Nd-142
-97.11 To 9999. %



MAT 6025

(n, n') Continuum
Cross Section

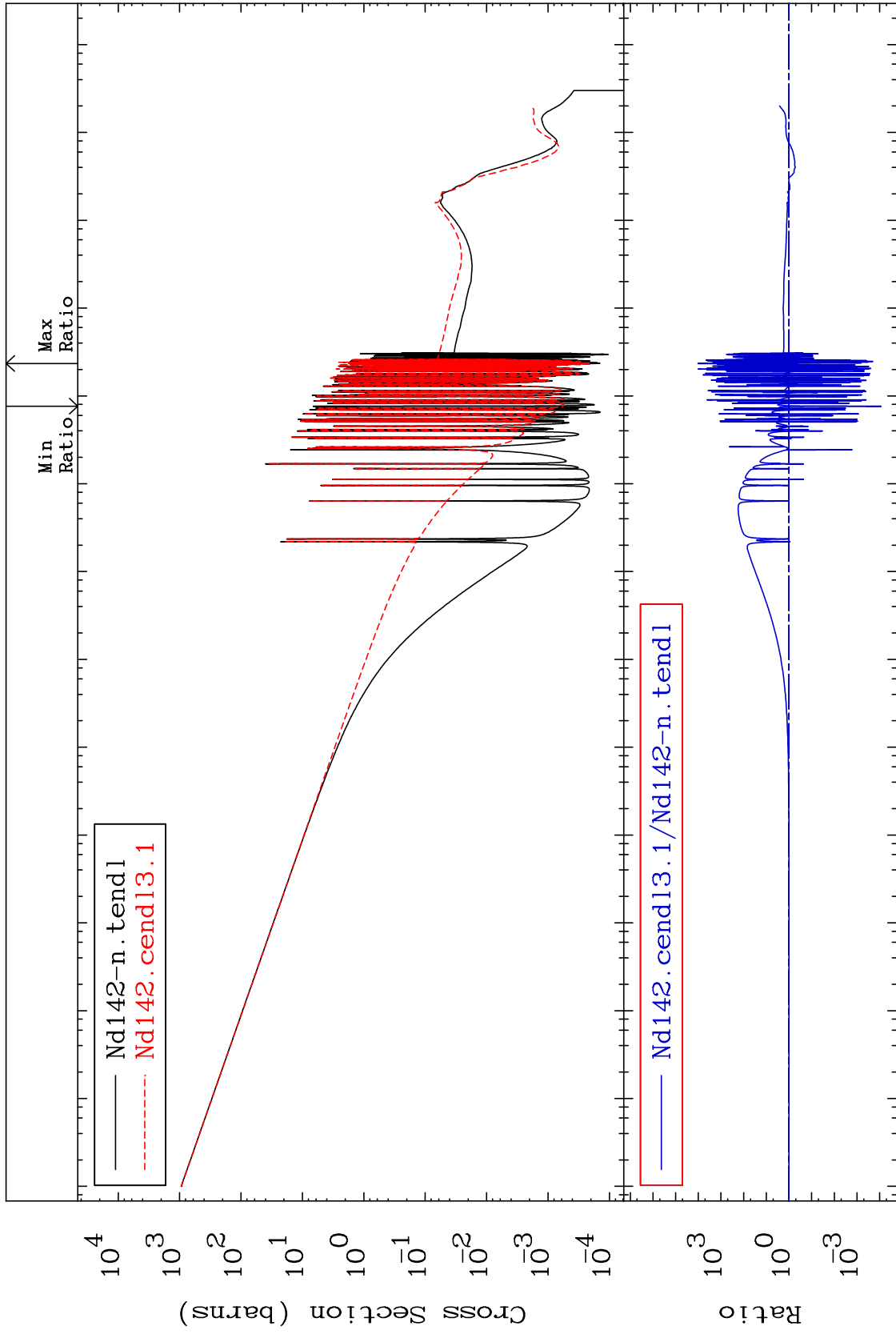
60-Nd-142
-15.68 To 898.7 %



MAT 6025

(n, γ)
Cross Section

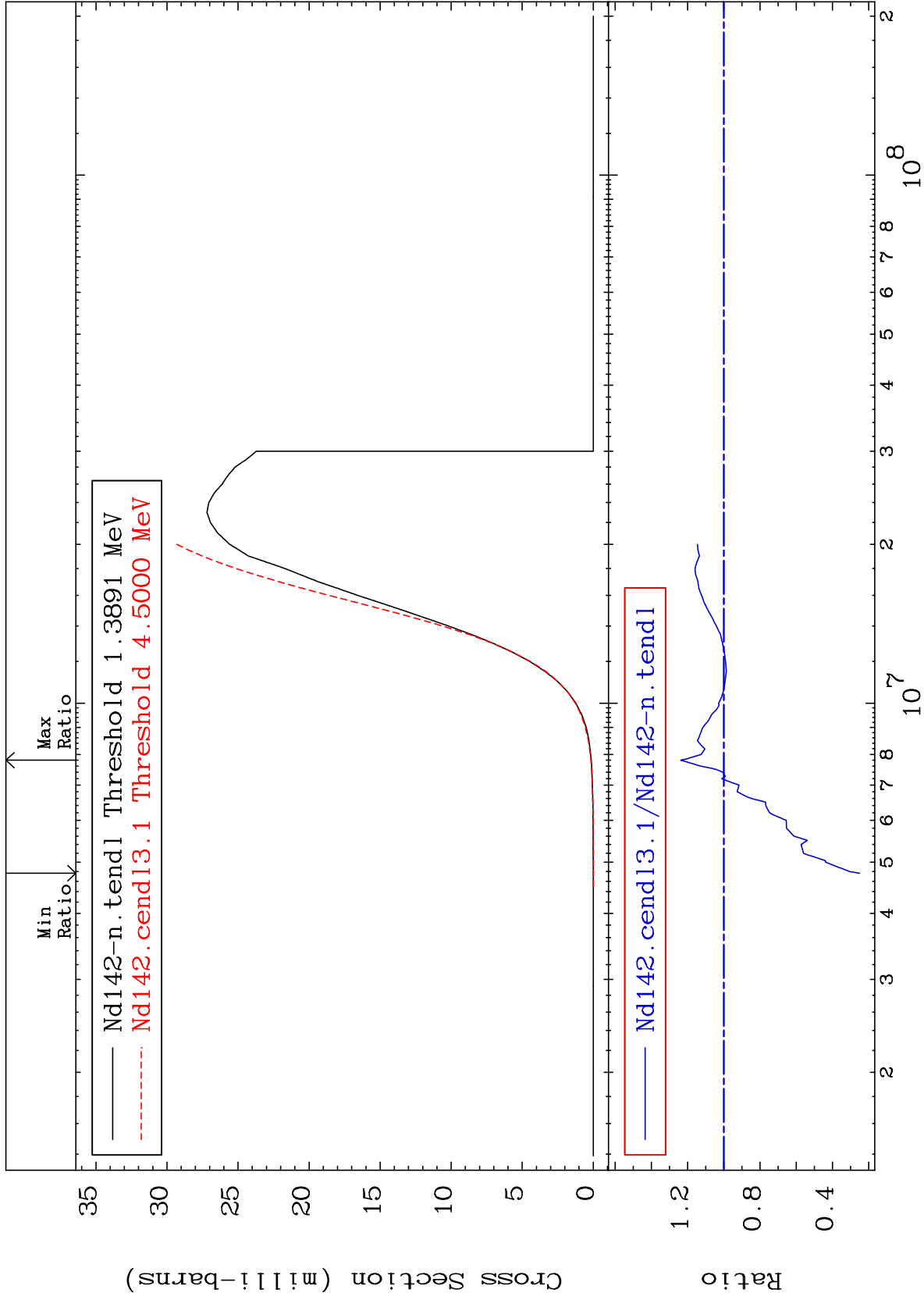
60-Nd-142
-99.99 To 9999. %



MAT 6025

60-Nd-142

(n,p)
Cross Section
-74.98 To 23.72 %



25

Incident Energy (eV)

60-Nd-142

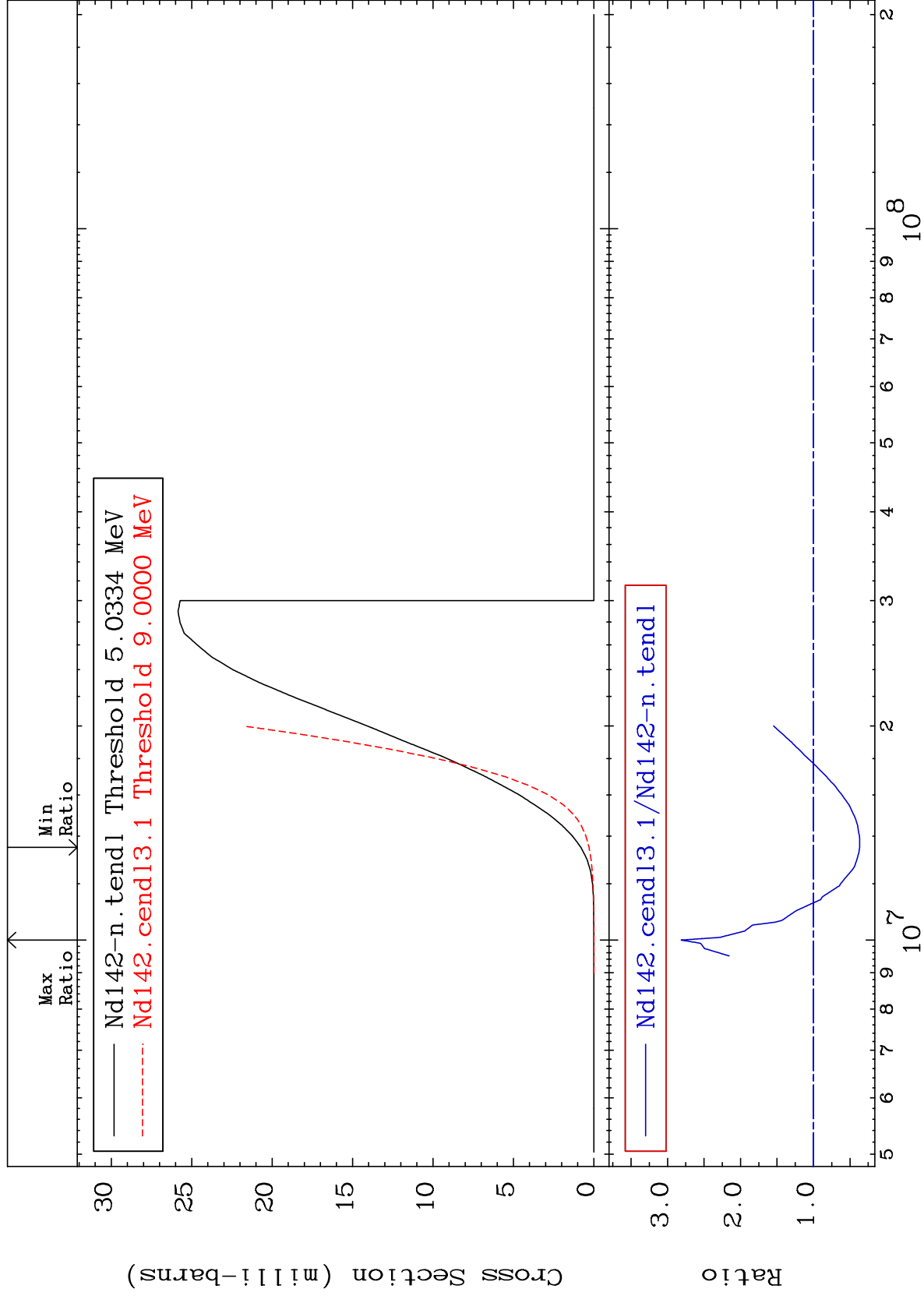
MAT 6025

(n, d)

60-Nd-142

Cross Section

-63.20 To 181.3 %



26

60-Nd-142

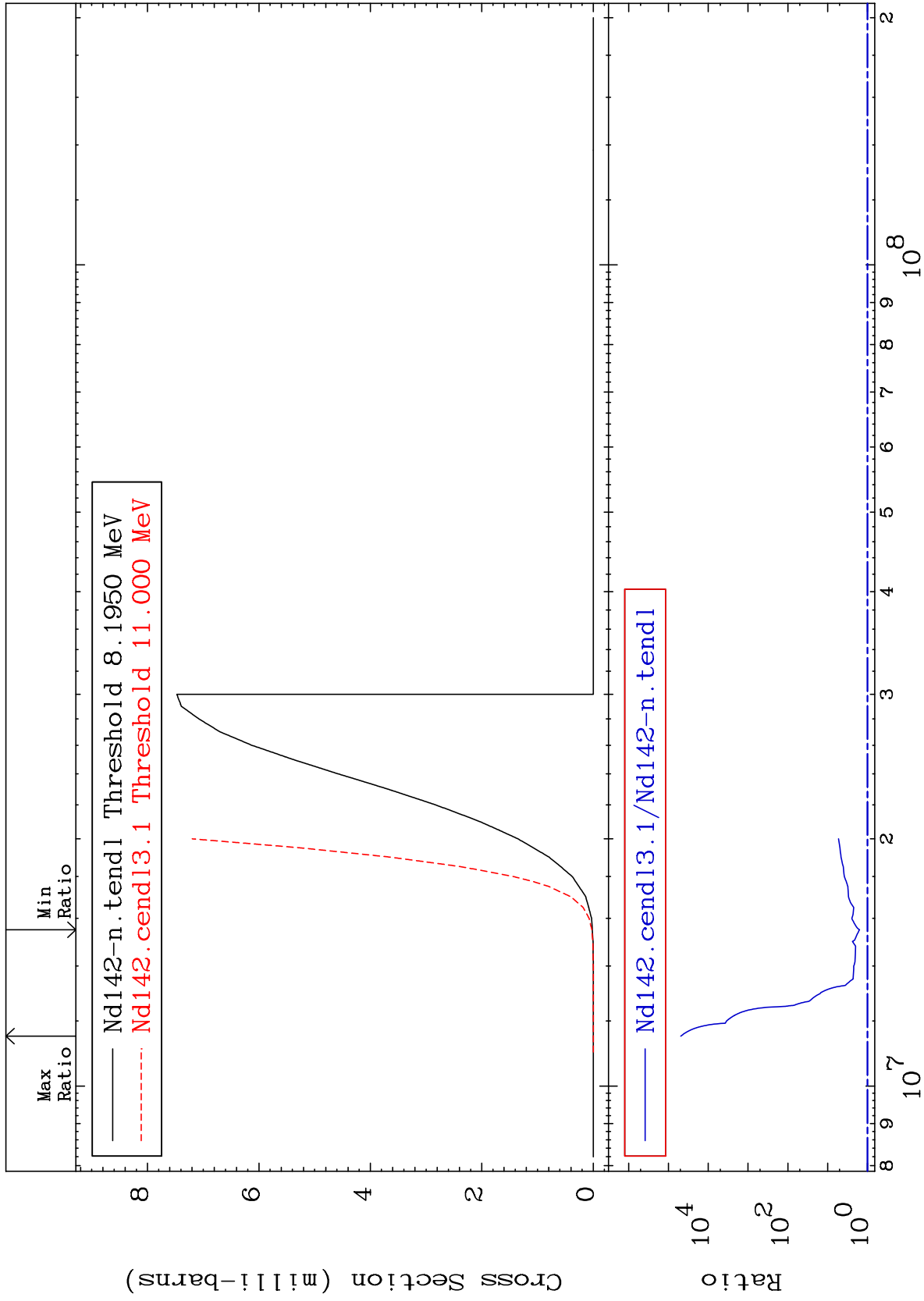
MAT 6025

(n, t)

60-Nd-142

Cross Section

58.22 To 9999. %



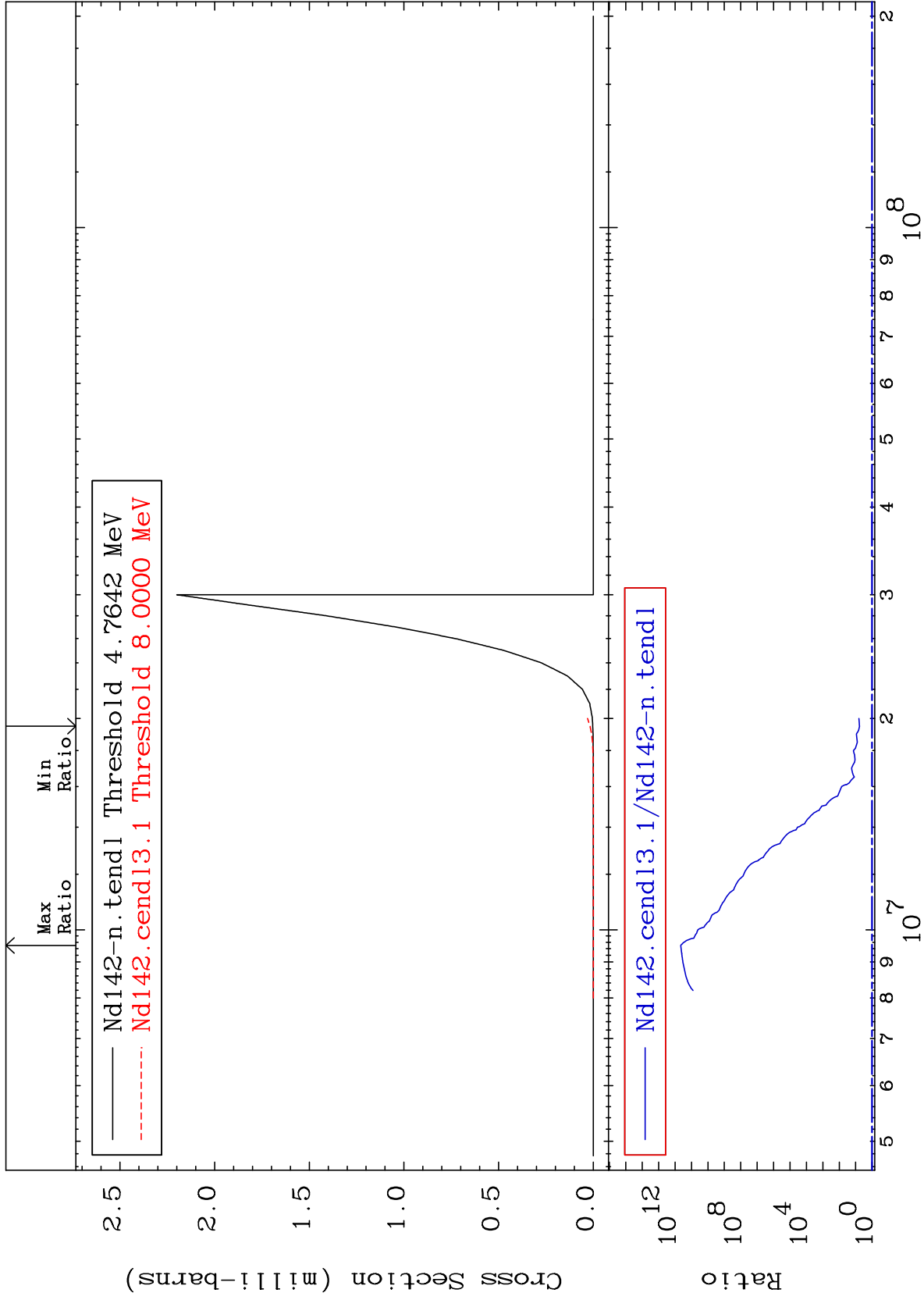
27

Incident Energy (eV)

60-Nd-142

Cross Section

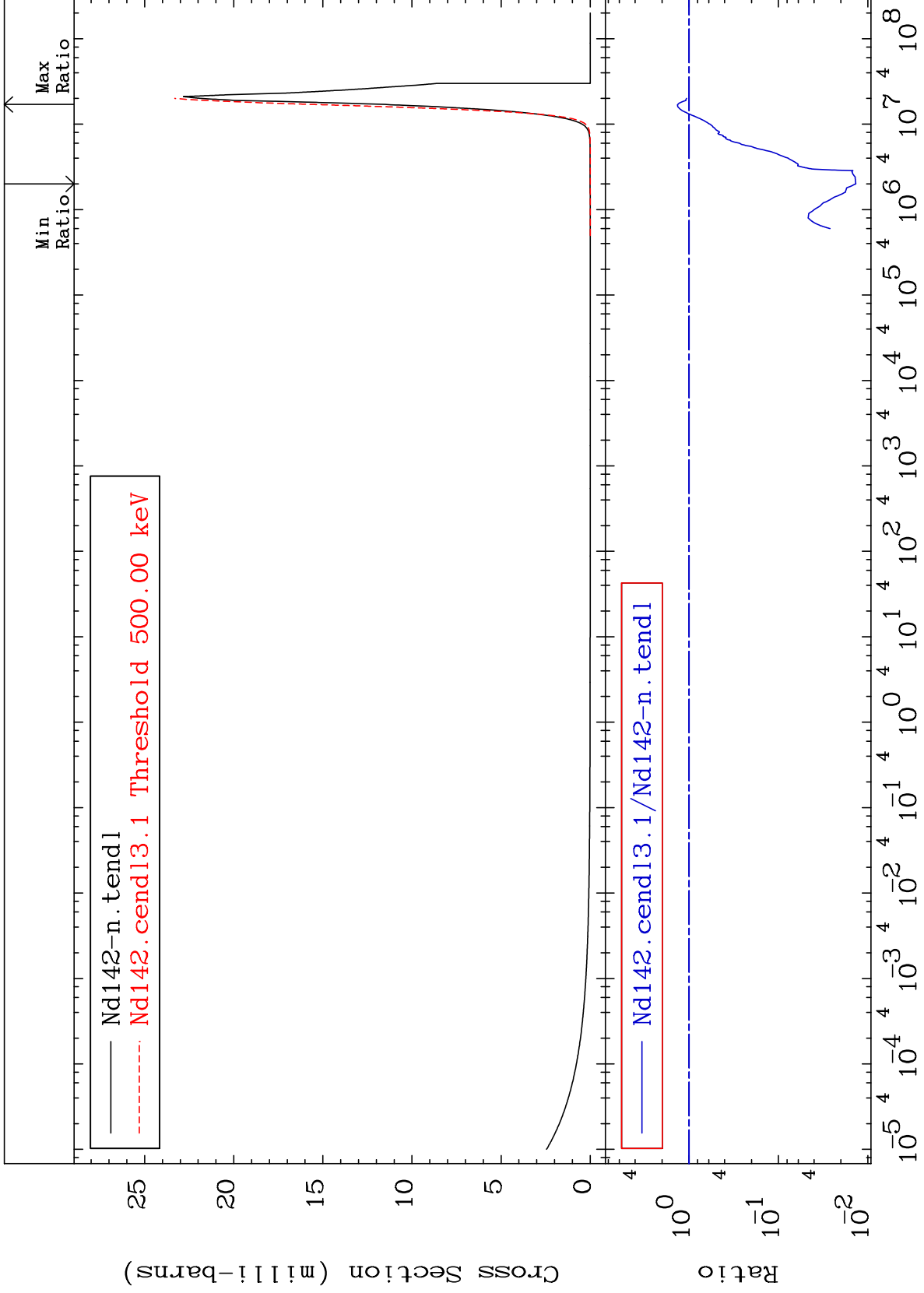
481.7 To 9999. %



MAT 6025

(n, α)
Cross Section

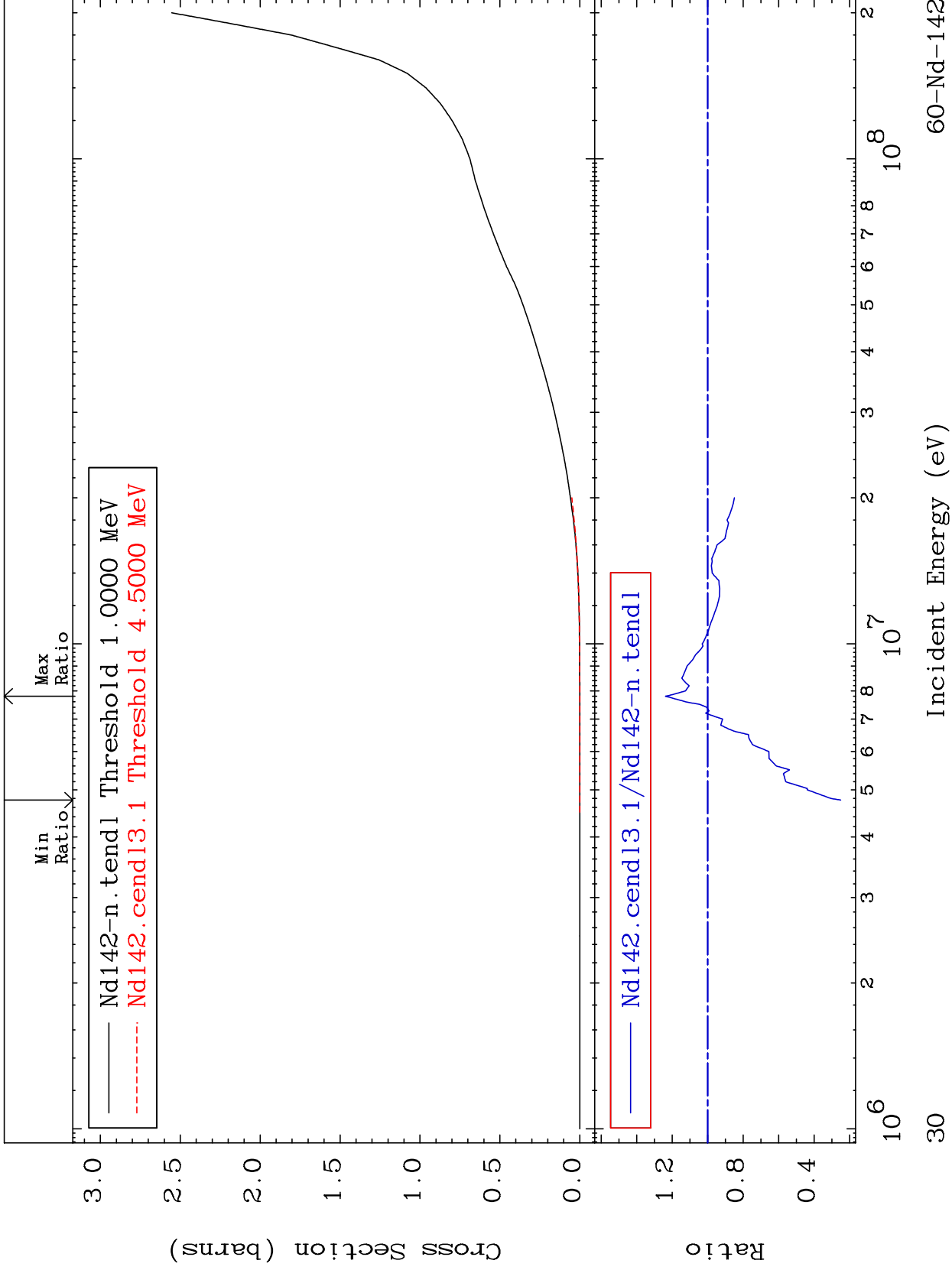
60-Nd-142
-98.64 To 34.45 %



MAT 6025

Hydrogen Production
Cross Section

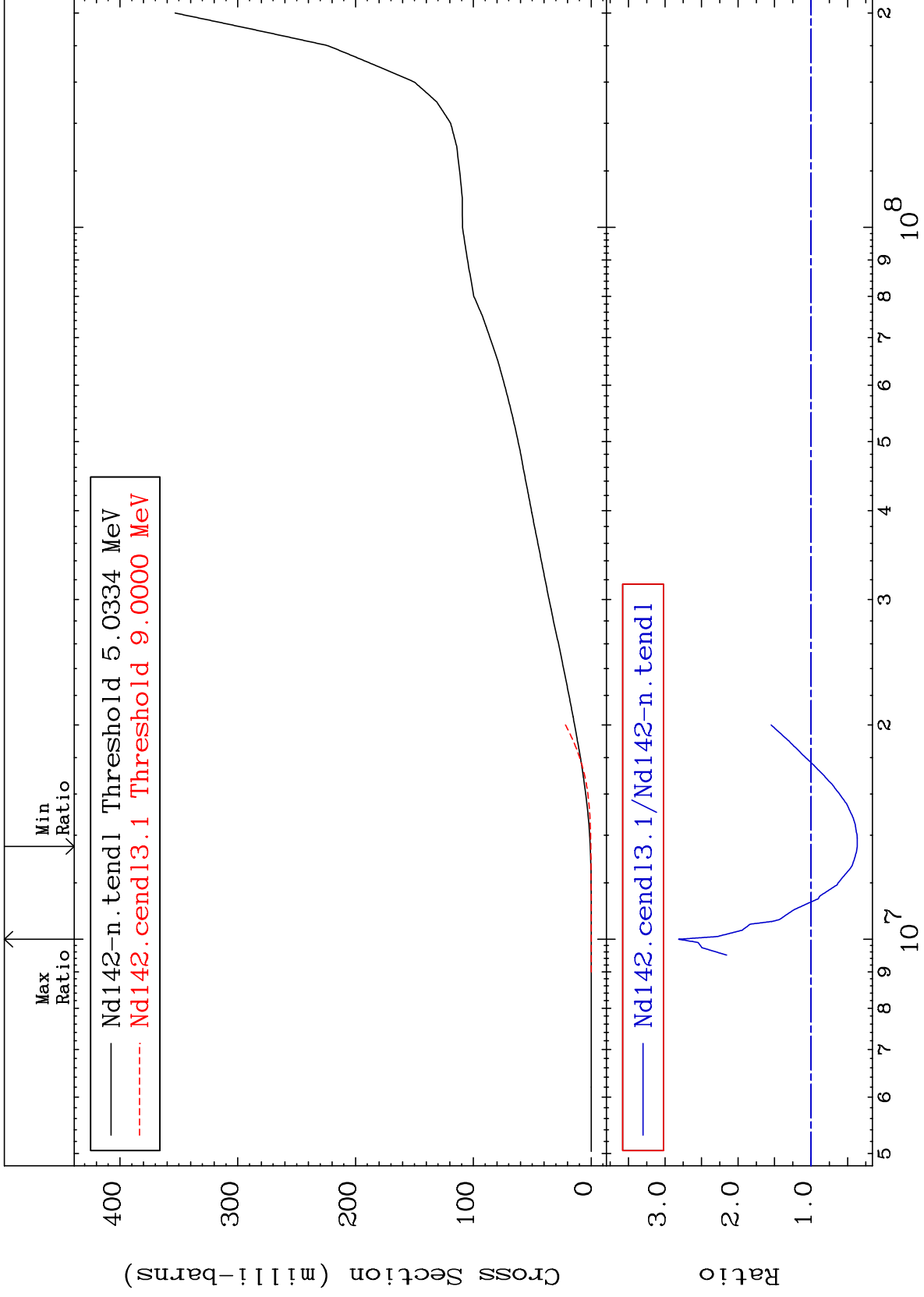
60-Nd-142
-74.98 To 23.72 %



MAT 6025

Deuterium Production
Cross Section

60-Nd-142
-63.20 To 181.3 %



31

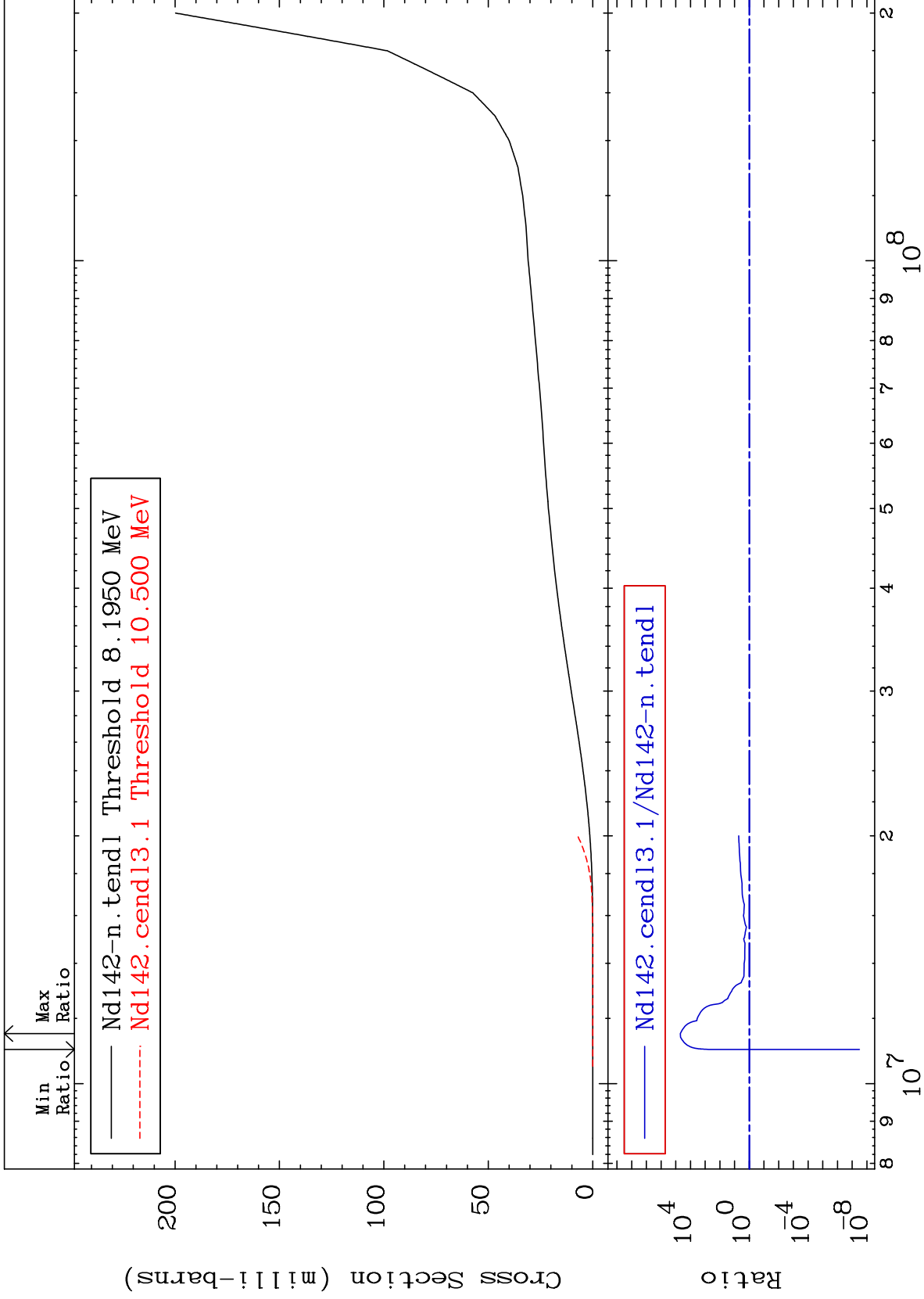
Incident Energy (eV)

60-Nd-142

MAT 6025

Tritium Production
Cross Section

60-Nd-142
-100.0 To 9999. %



32

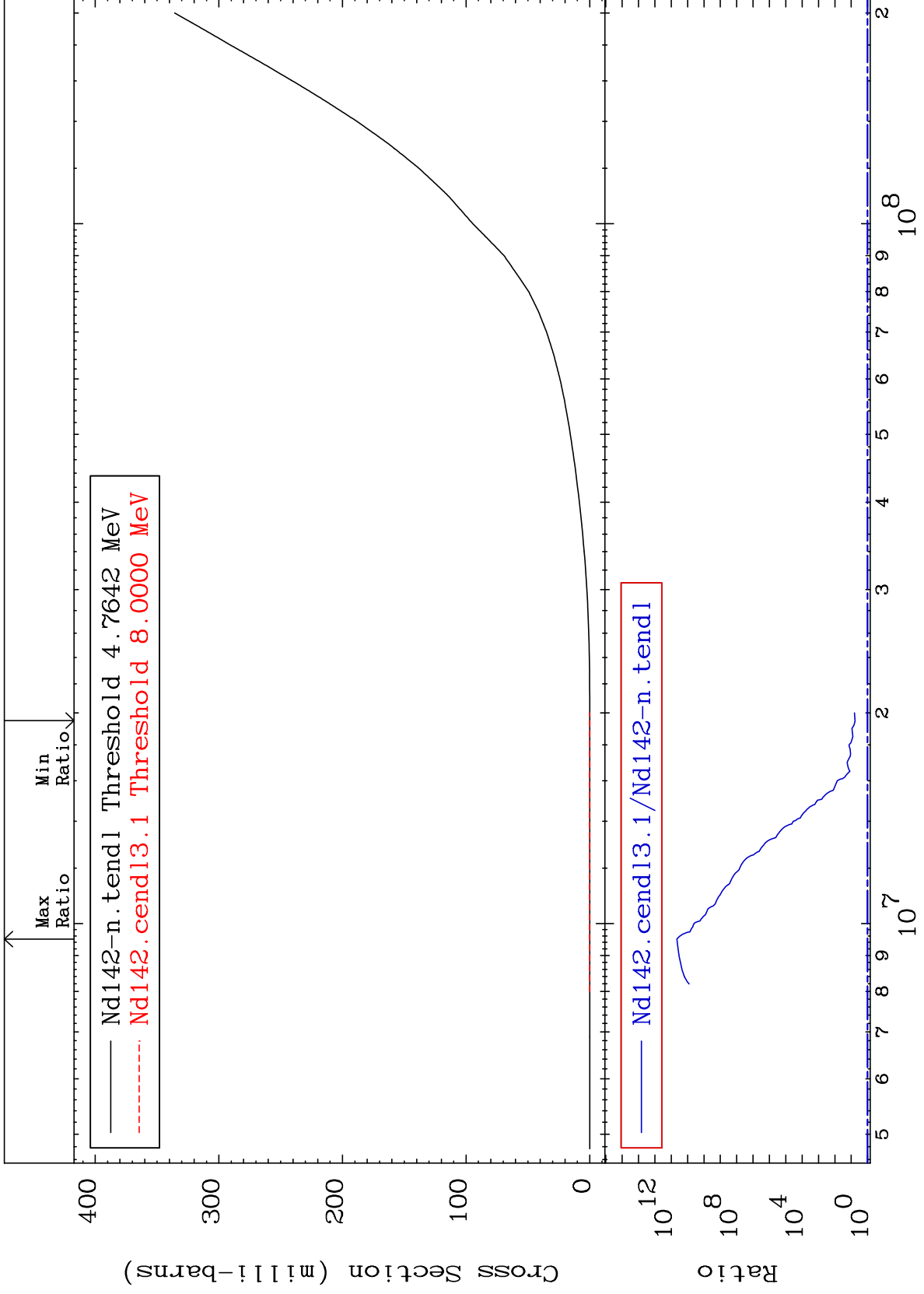
Incident Energy (eV)

60-Nd-142

MAT 6025

He-3 Production
Cross Section

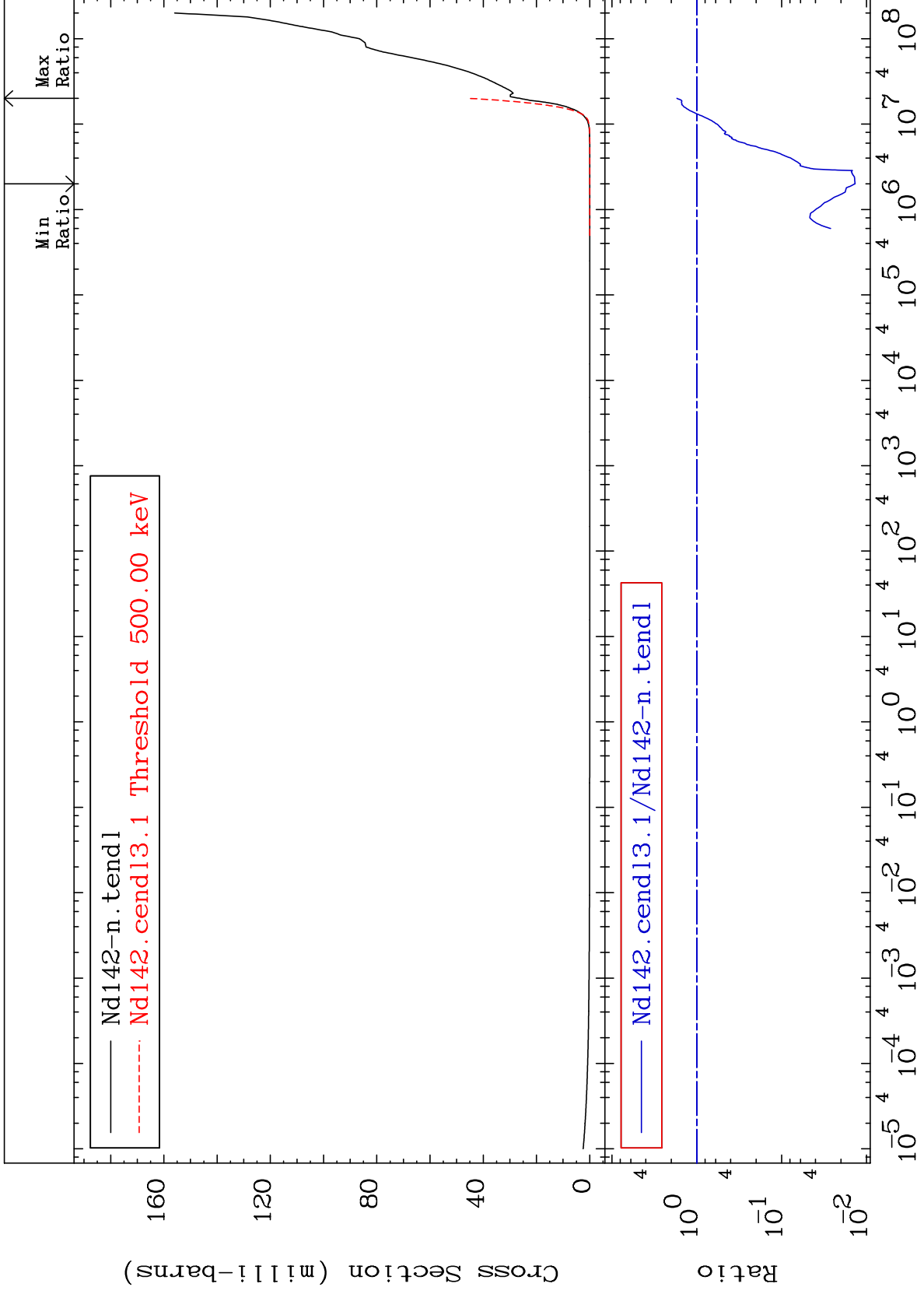
60-Nd-142
481.7 To 9999. %



MAT 6025

He-4 Production
Cross Section

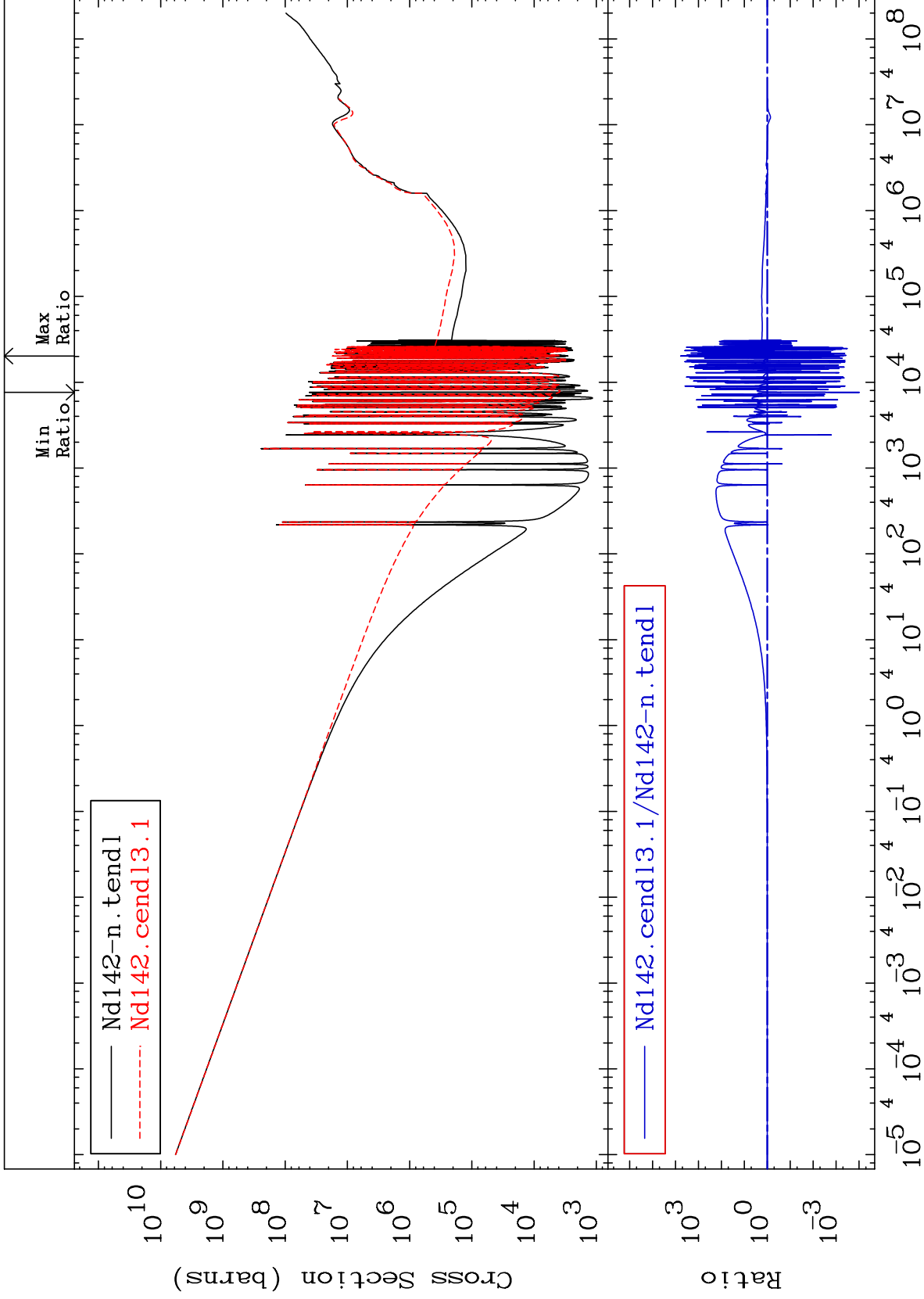
60-Nd-142
-98.64 To 71.60 %



MAT 6025

Kerma total (eV-barns)
Cross Section

60-Nd-142
-99.99 To 9999. %



35

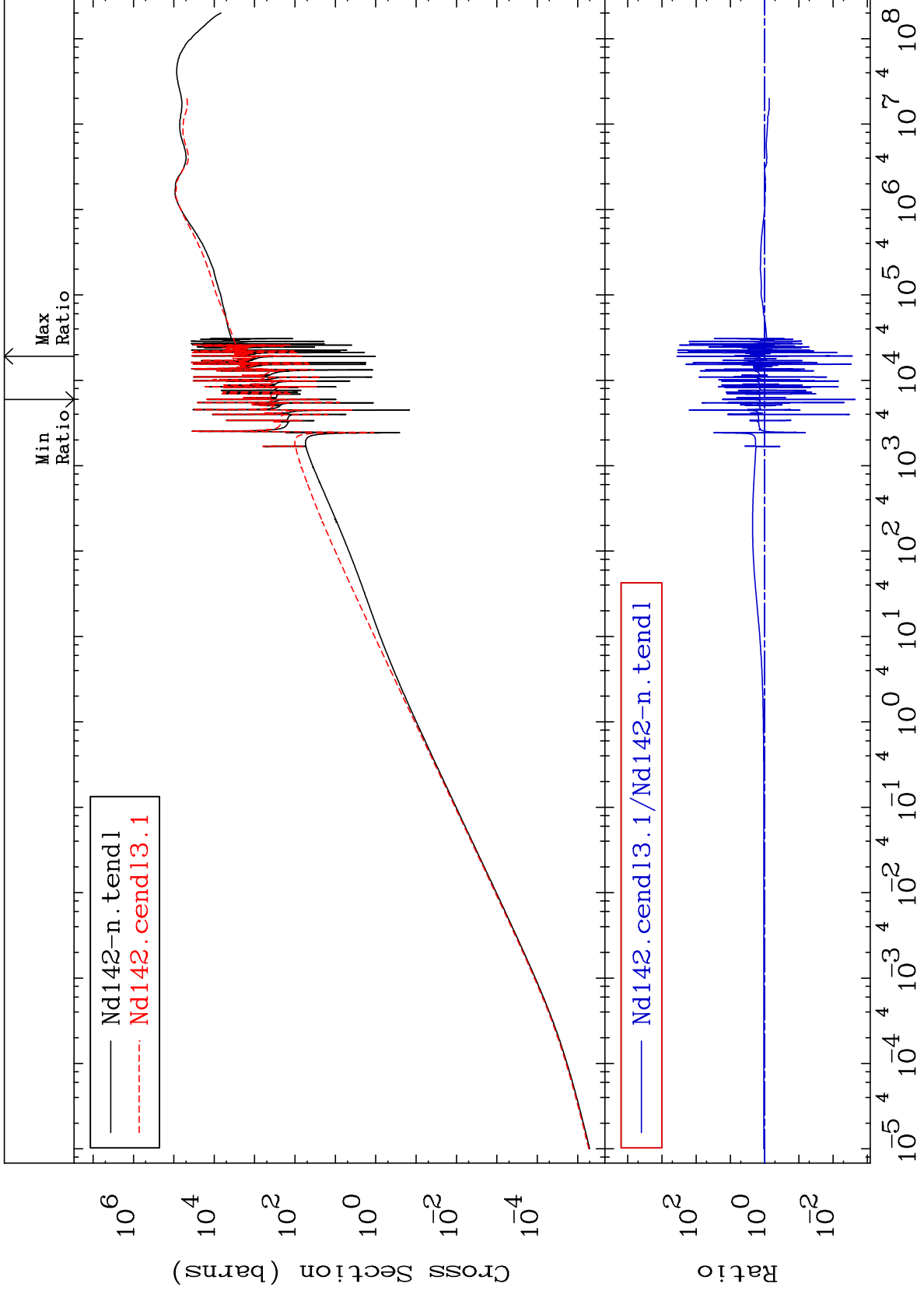
Incident Energy (eV)

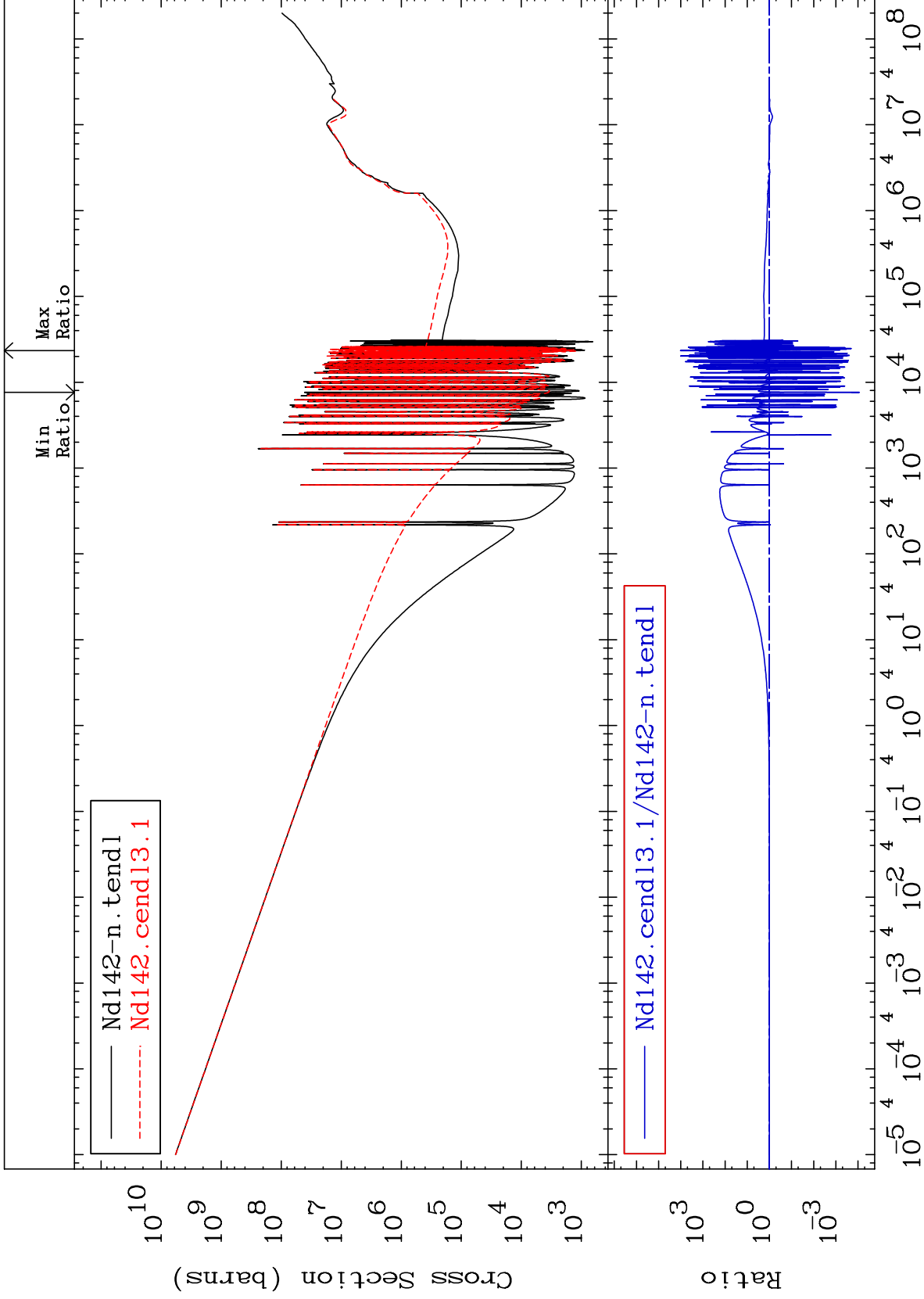
60-Nd-142

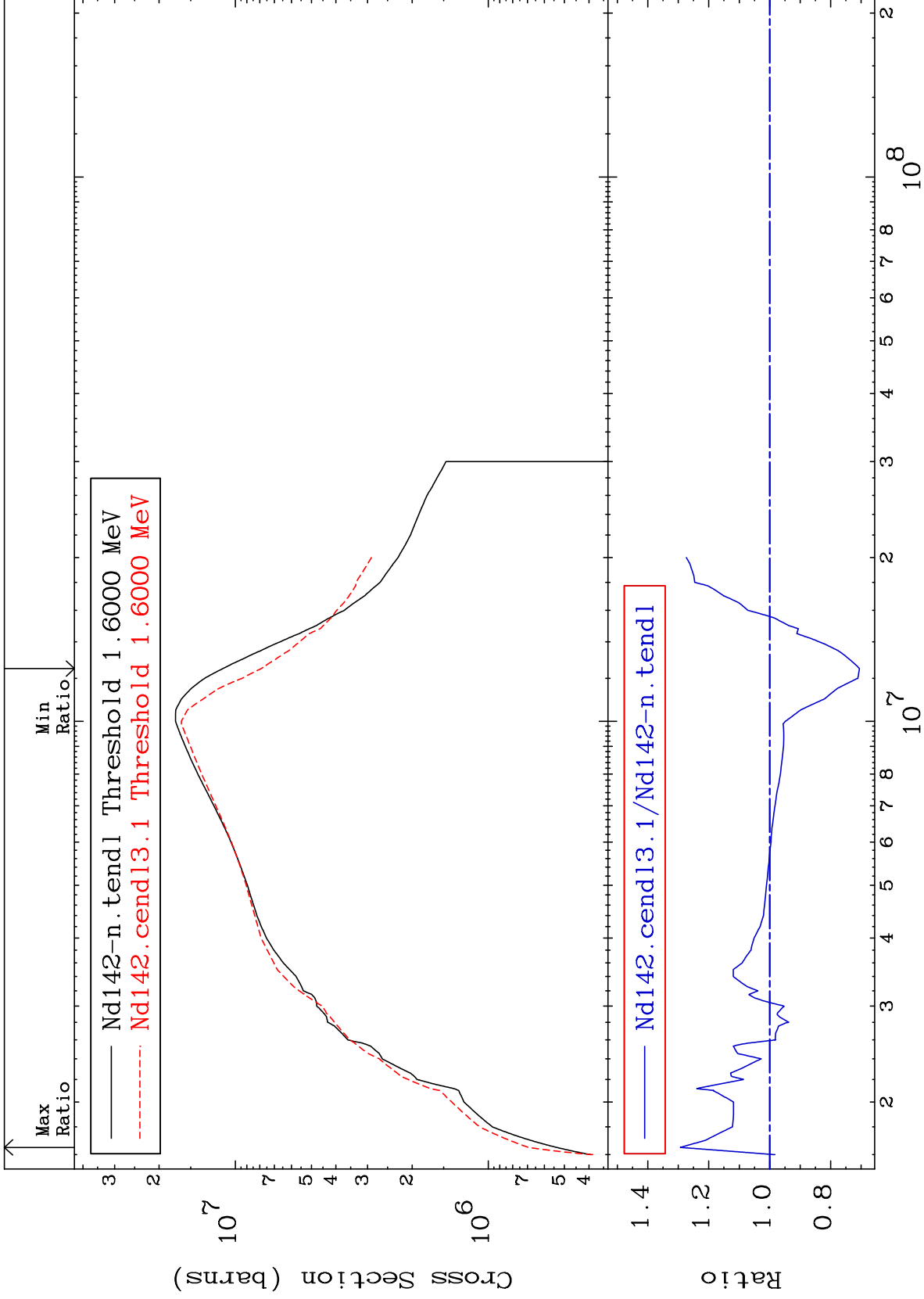
MAT 6025

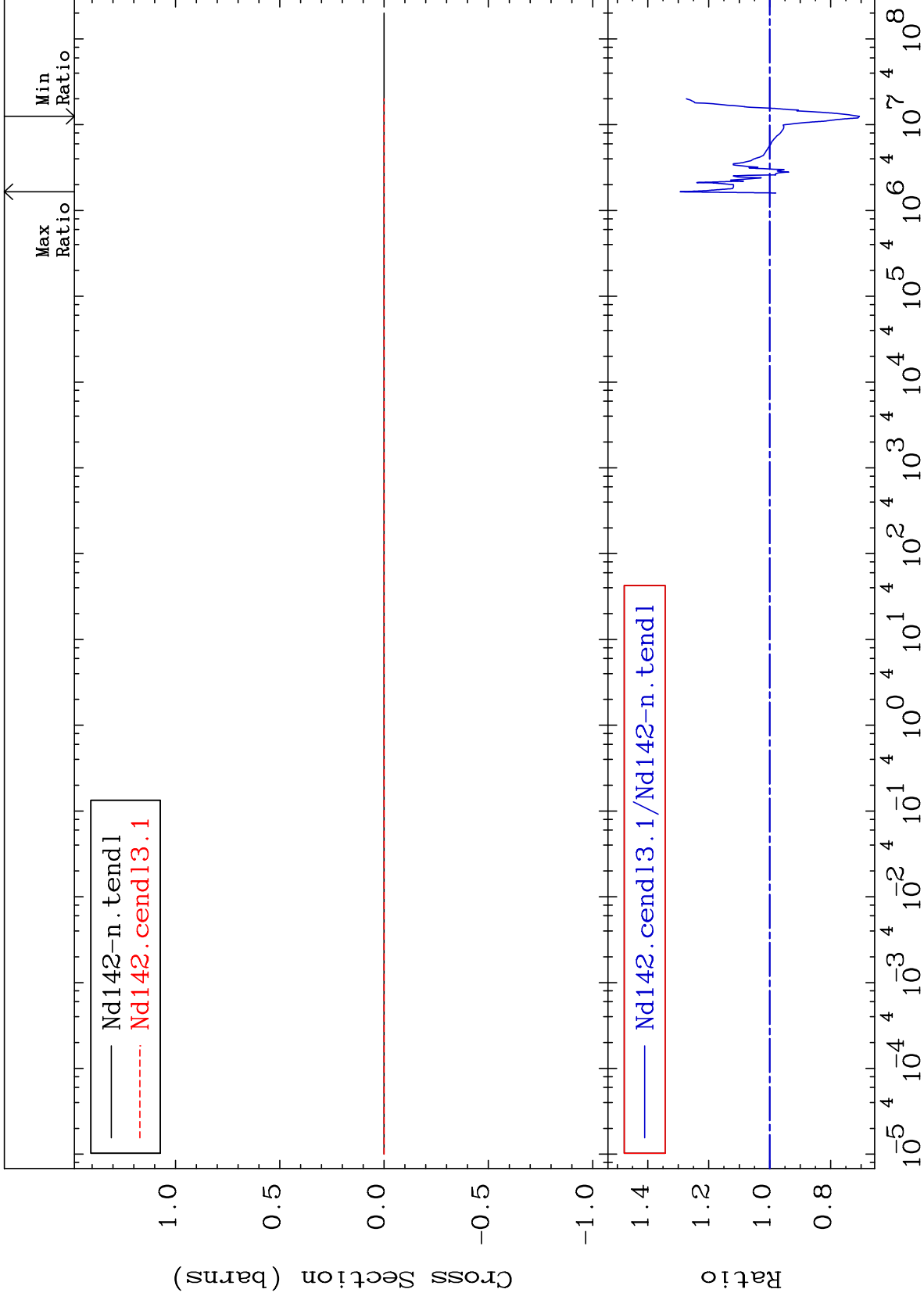
Kerma elastic
Cross Section

60-Nd-142
-99.77 To 9999. %





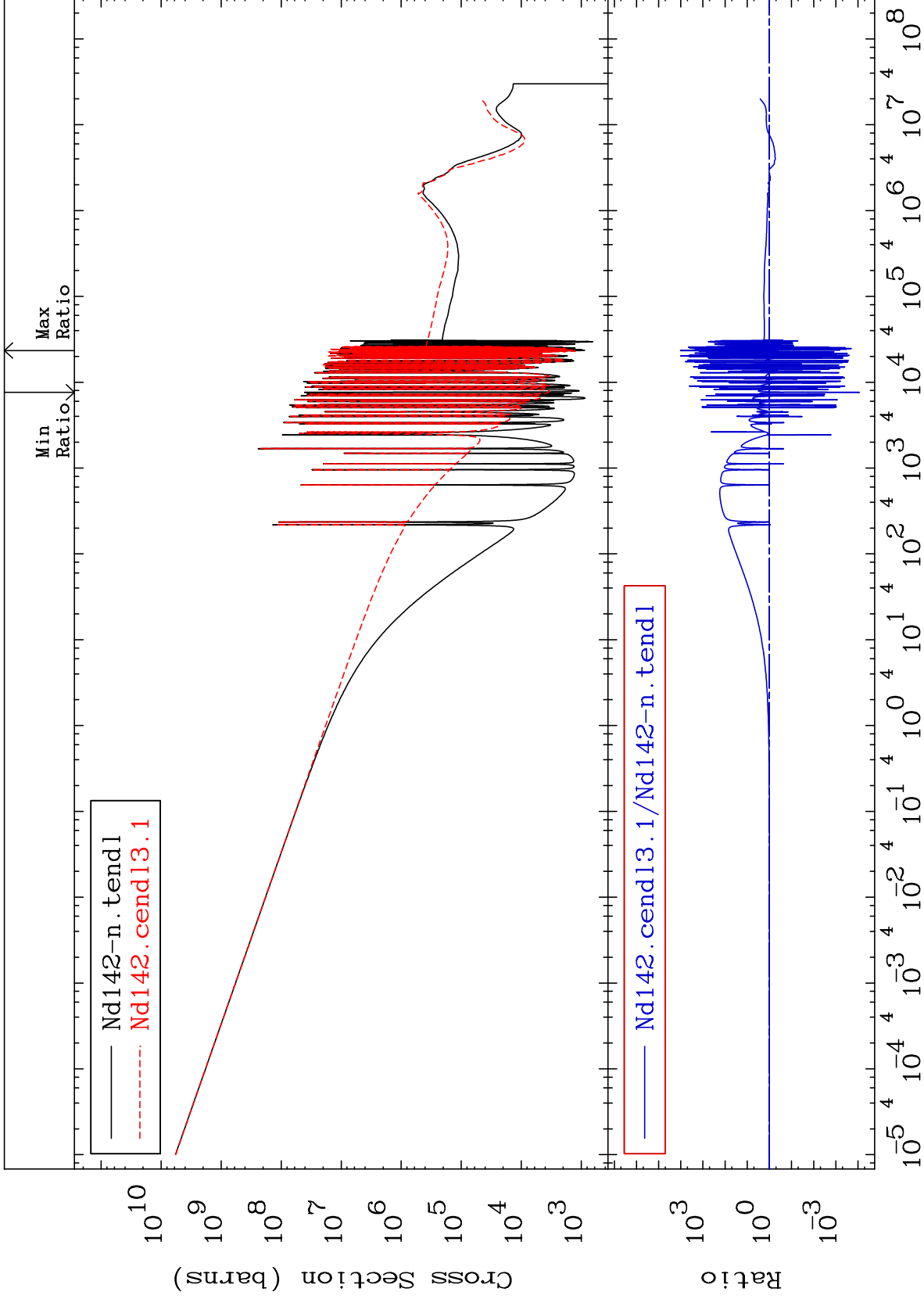




MAT 6025

Kerma capture (mt102)
Cross Section

60-Nd-142
-99.99 To 9999. %



40

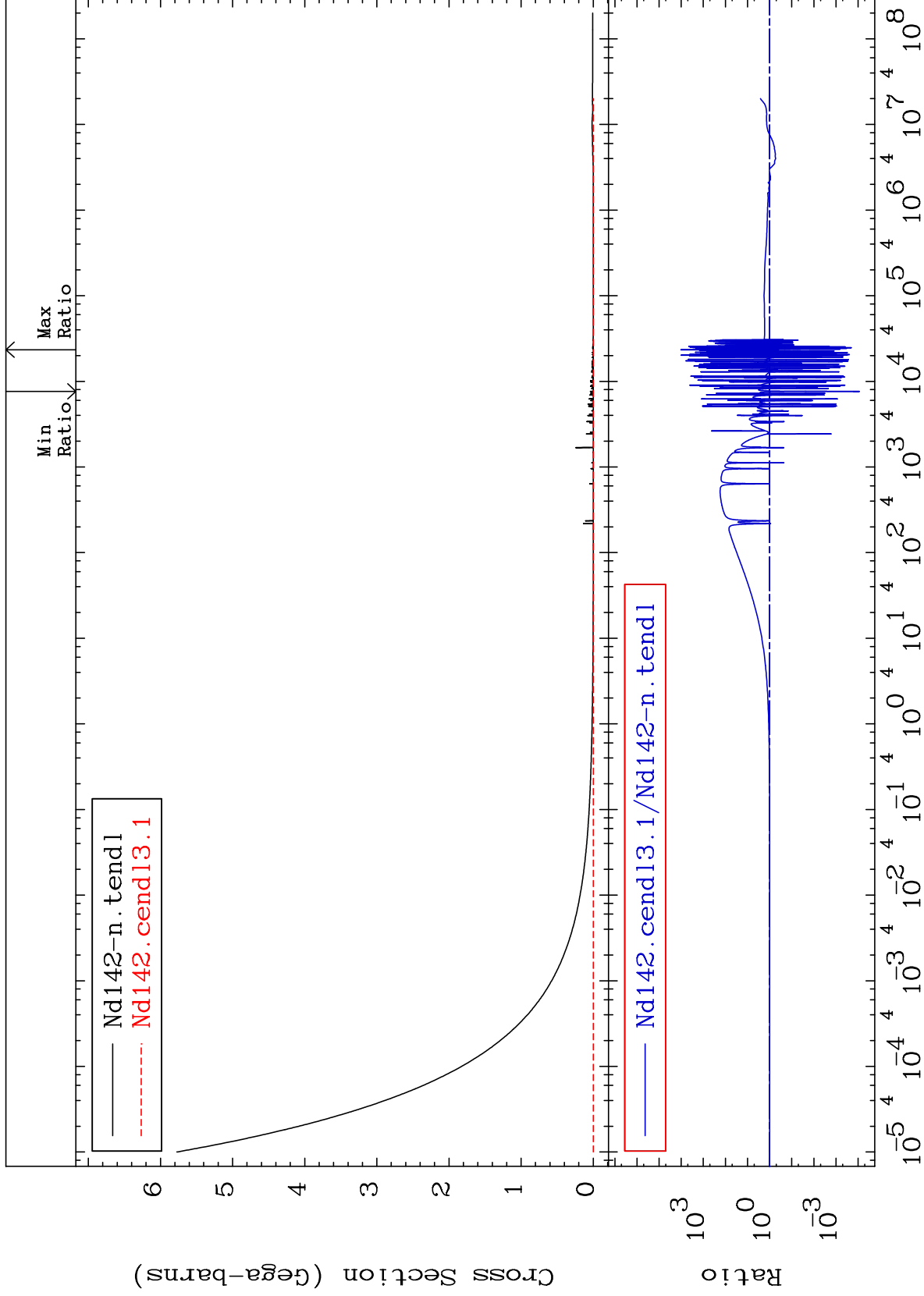
Incident Energy (eV)

60-Nd-142

MAT 6025

Total photon (eV-barns)
Cross Section

60-Nd-142
-99.99 To 9999. %



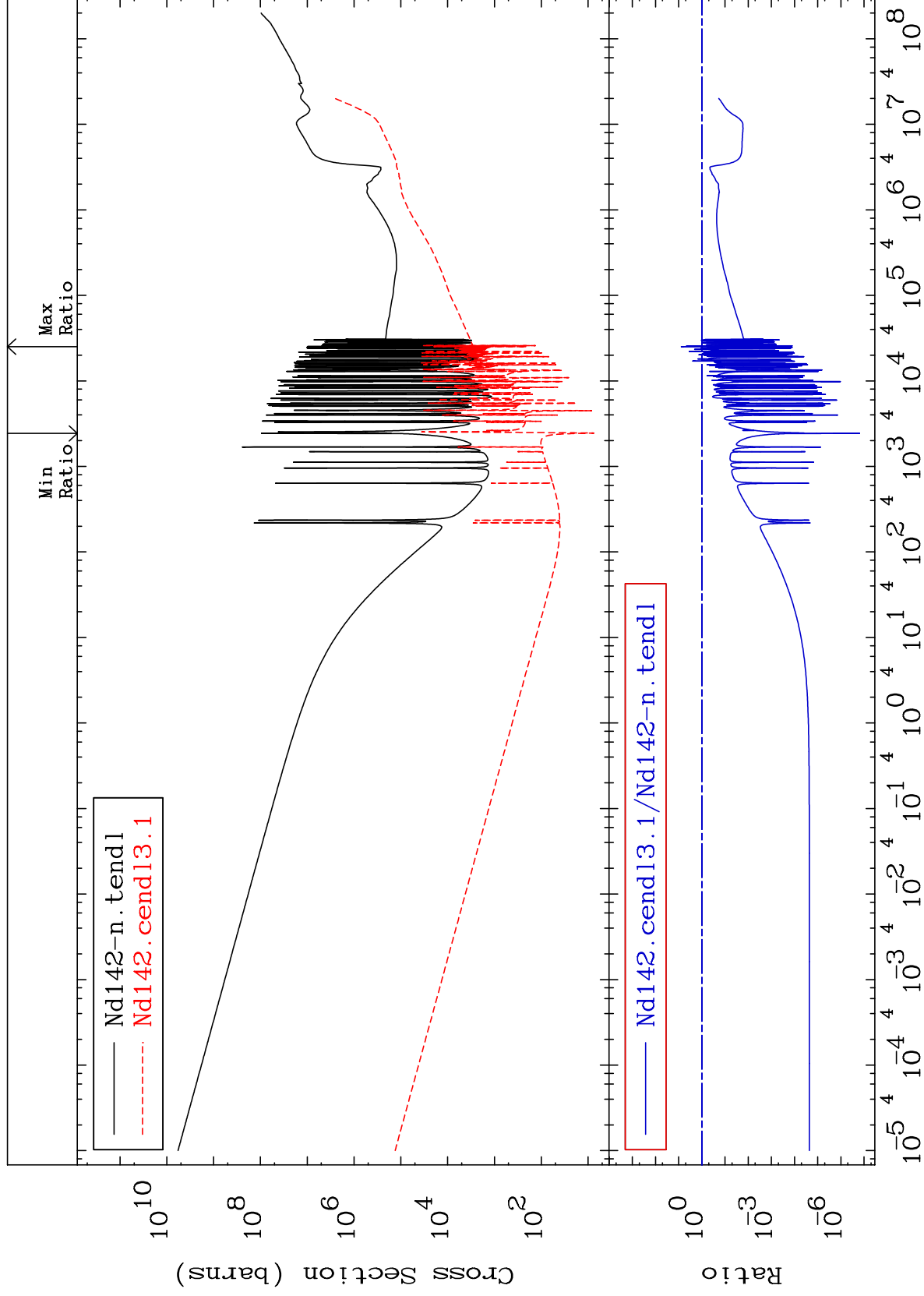
41

Incident Energy (eV)

60-Nd-142

MAT 6025

Total kinematic kerma (high limit)
Cross Section
-100.0 To 680.3 %
60-Nd-142



42

Incident Energy (eV)

60-Nd-142

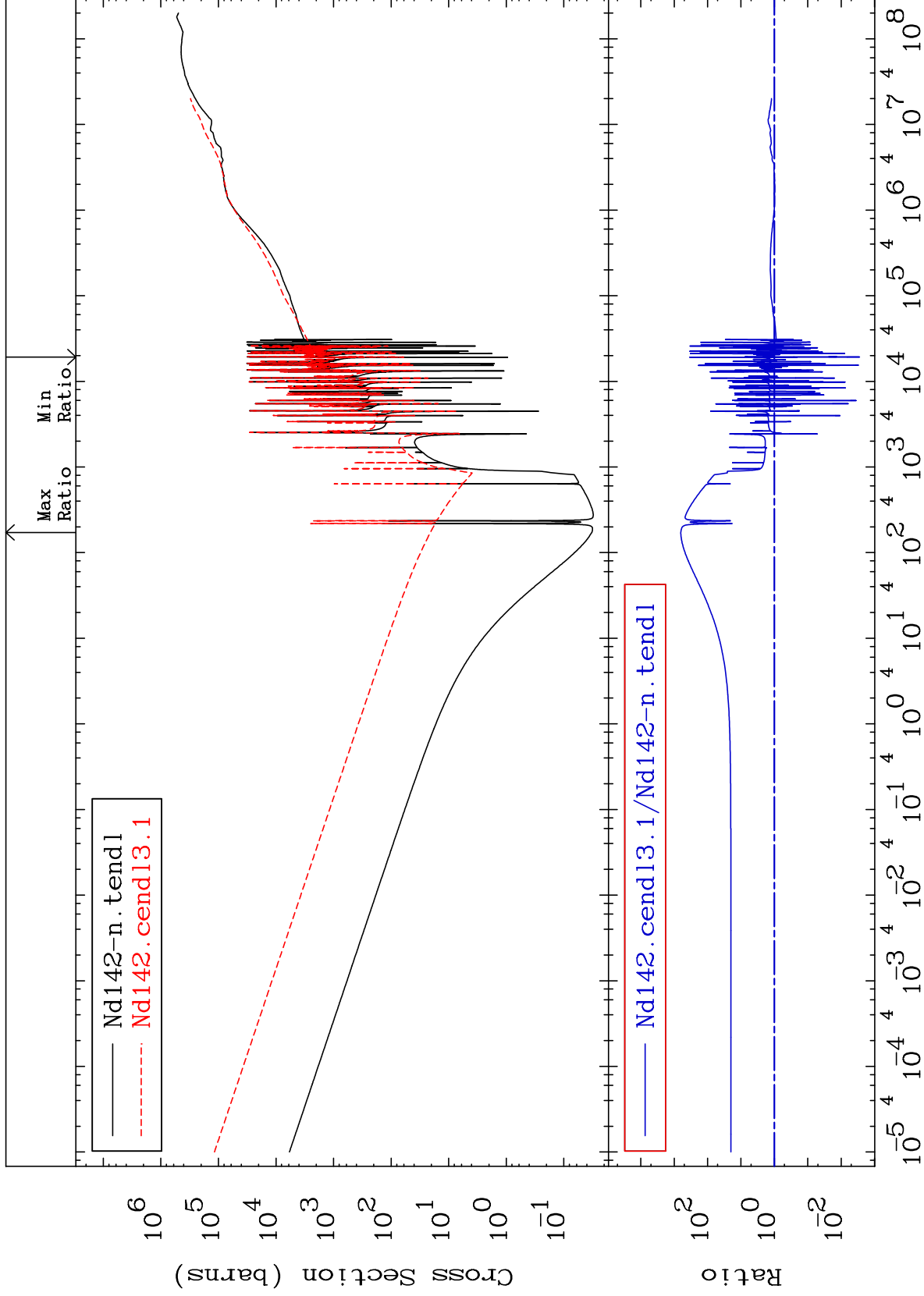
MAT 6025

Dpa total (eV-barns)

60-Nd-142

-99.72 To 9999. %

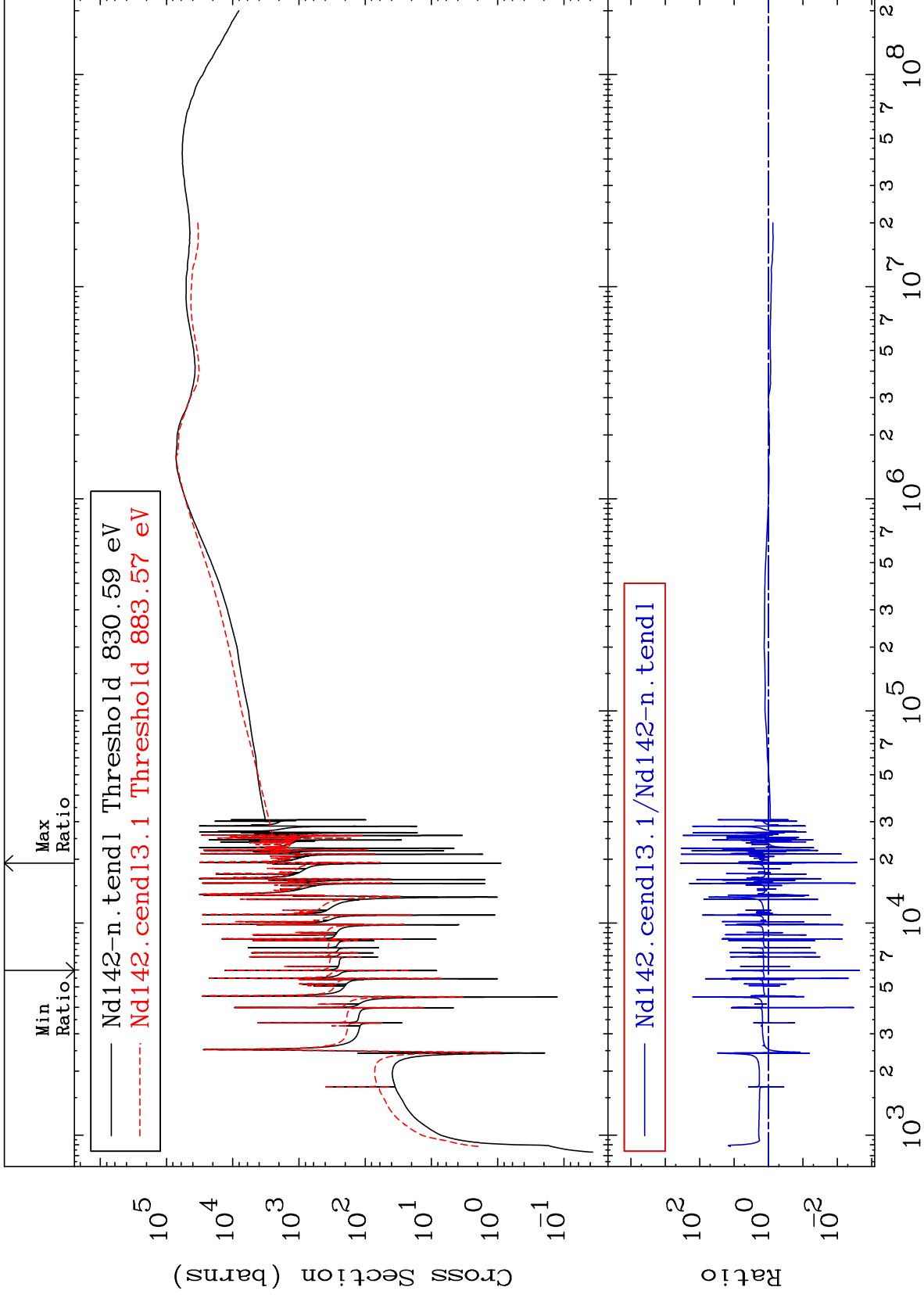
Cross Section



MAT 6025

Dpa elastic (mt2)
Cross Section

60-Nd-142
-99.77 To 9999. %



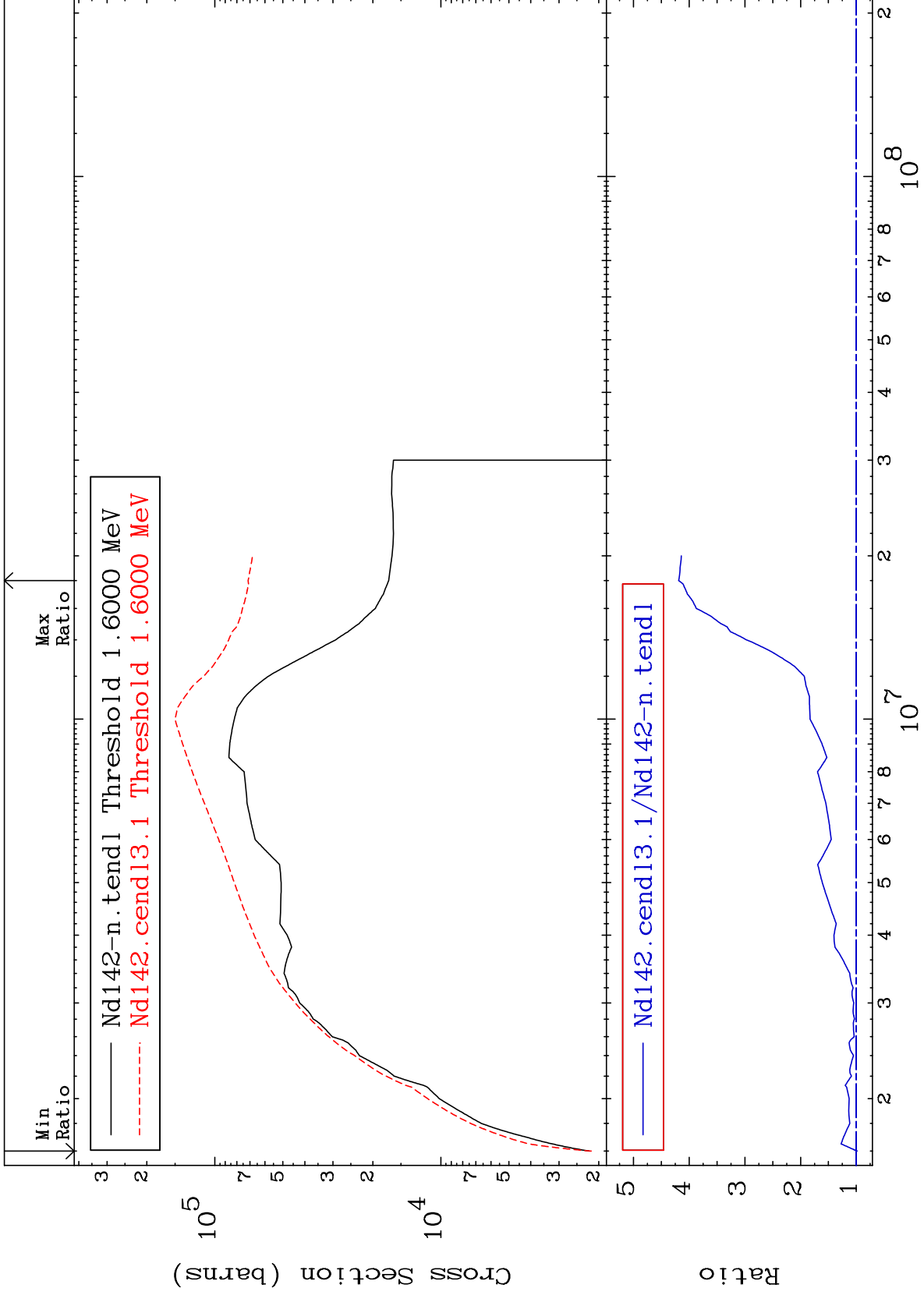
44

60-Nd-142

MAT 6025

Dpa inelastic (mt51-91)
Cross Section

60-Nd-142
-1.745 To 319.0 %



45

60-Nd-142

MAT 6025

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-142
-99.78 To 9999. %

