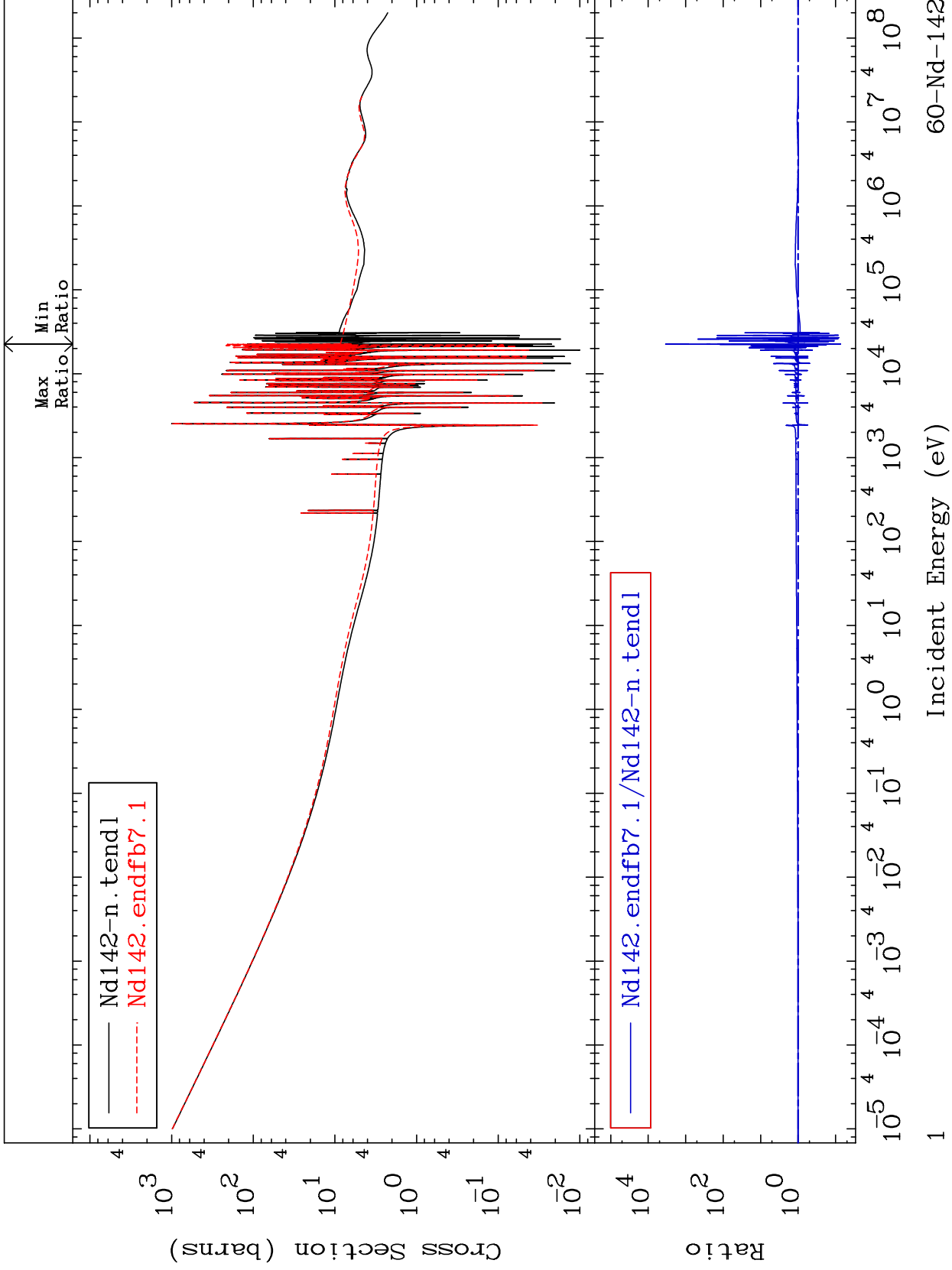


MAT 6025

Total
Cross Section

60-Nd-142
-92.67 To 9999. %



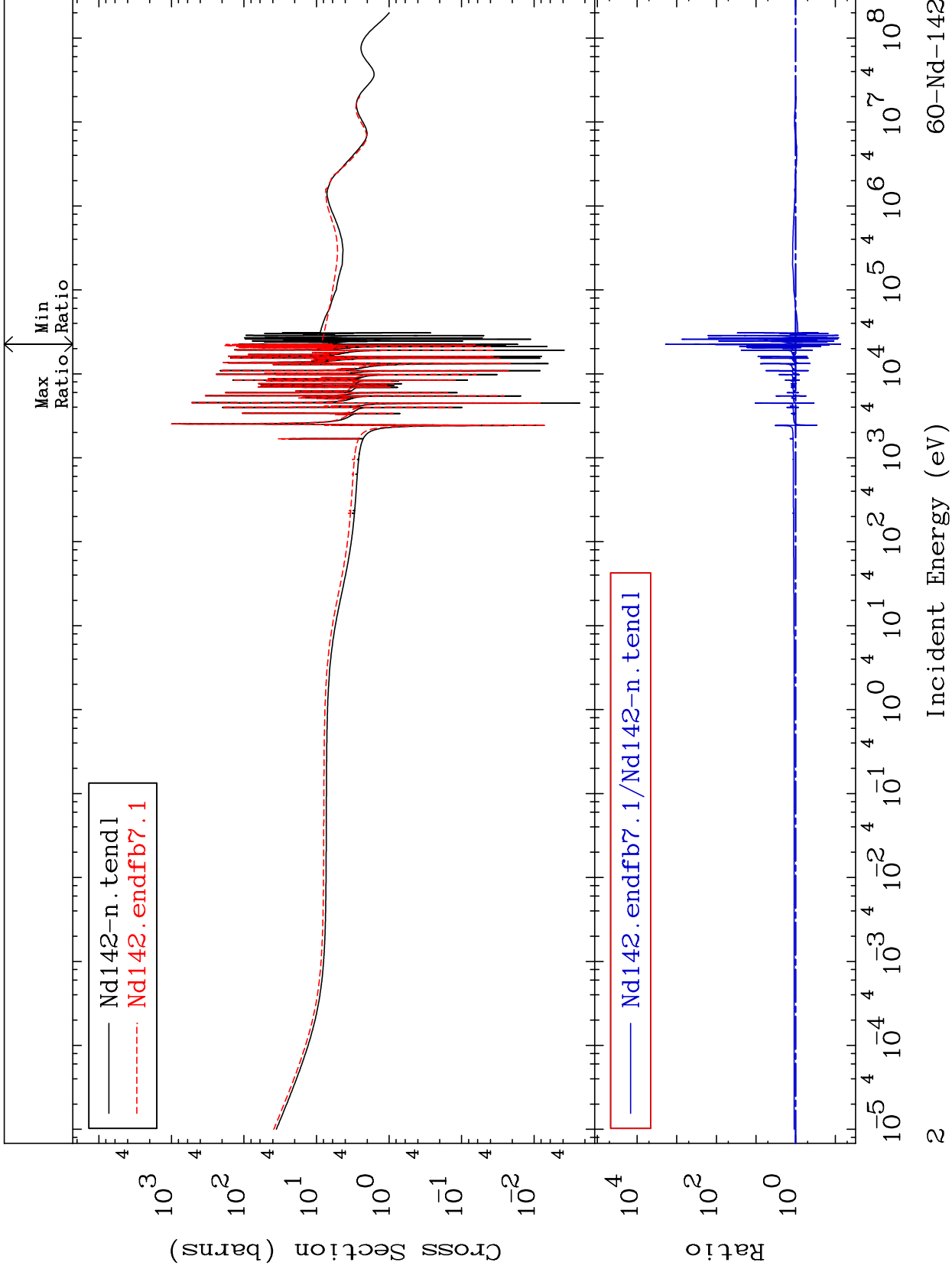
Incident Energy (eV)

60-Nd-142

MAT 6025

Elastic
Cross Section

60-Nd-142
-92.69 To 9999. %



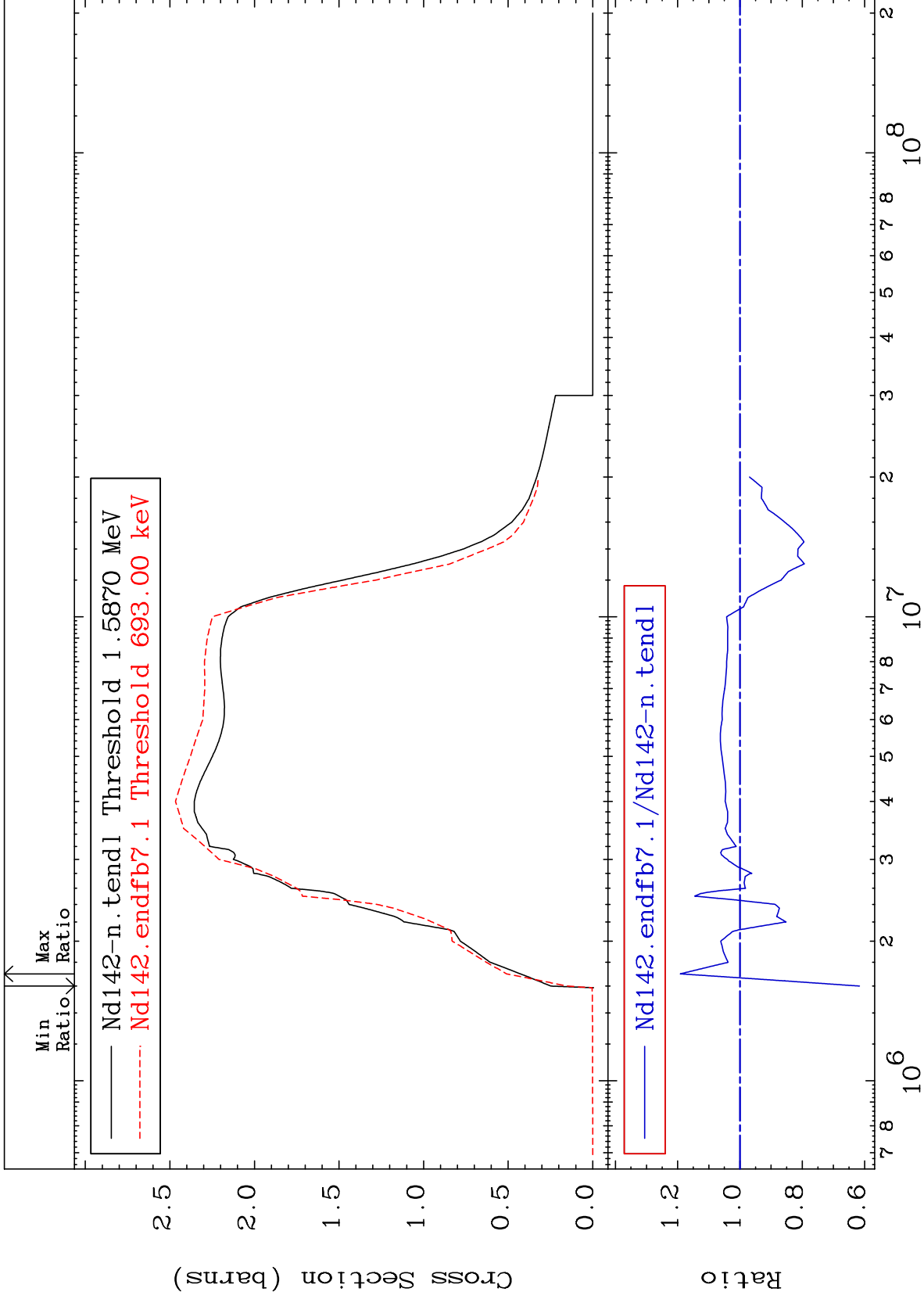
Incident Energy (eV)

60-Nd-142

MAT 6025

Inelastic
Cross Section

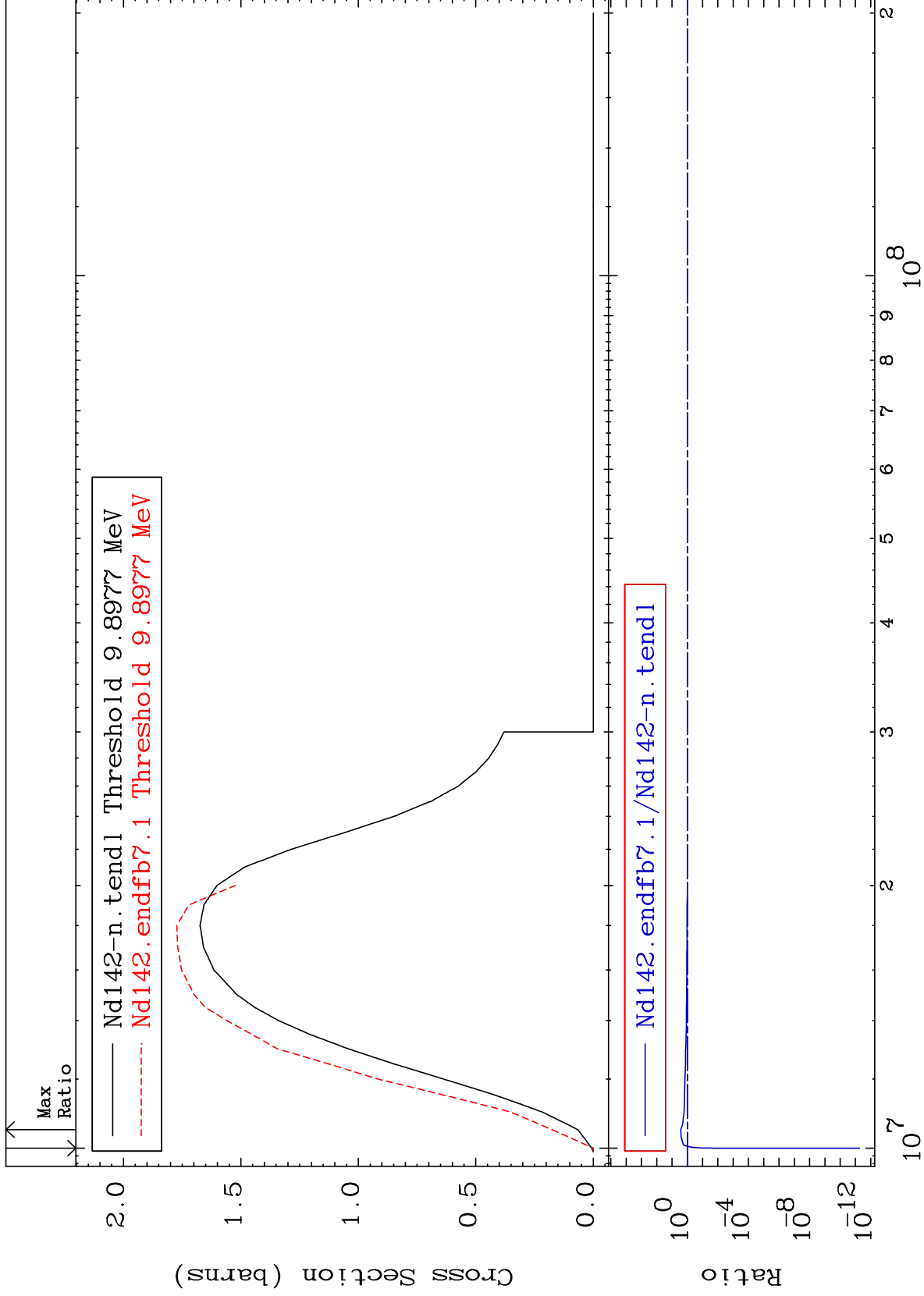
60-Nd-142
-38.36 To 19.14 %



MAT 6025

(n,2n)
Cross Section

60-Nd-142
-100.0 To 167.8 %



Incident Energy (eV)

60-Nd-142

MAT 6025

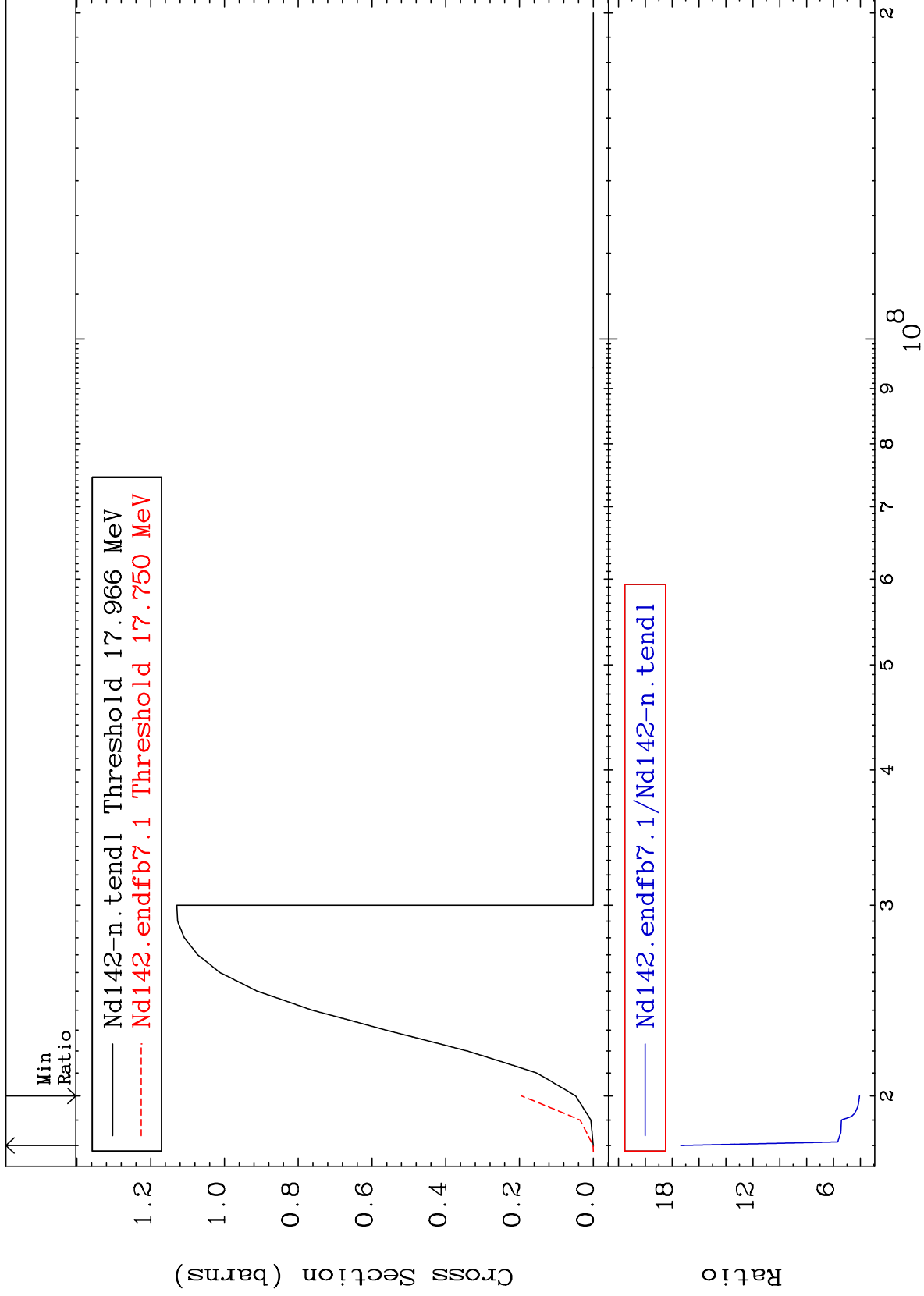
(n,3n)

60-Nd-142

Cross Section

306.5

To 1636. %



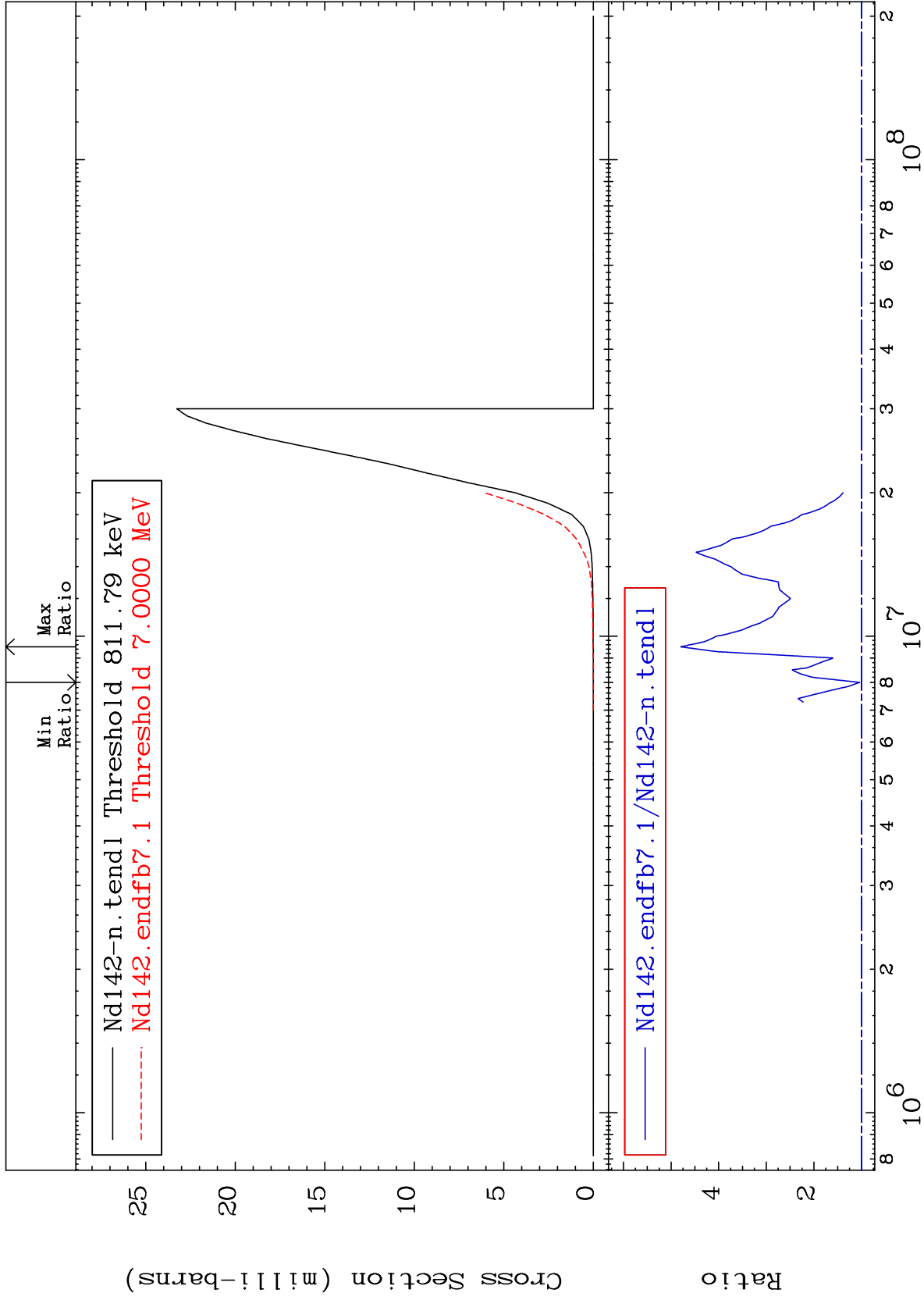
5

60-Nd-142

60-Nd-142

MAT 6025

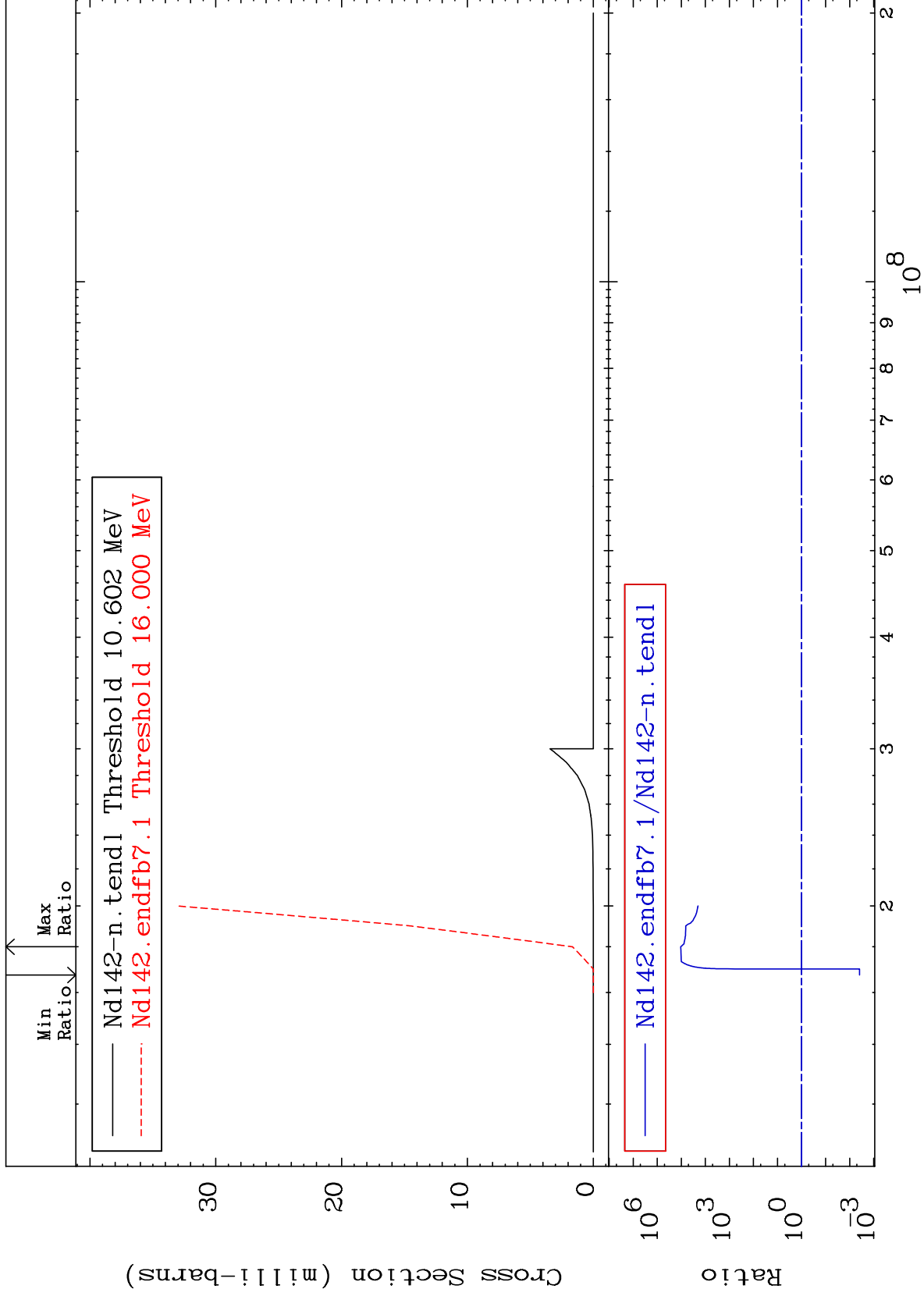
$(n, n') \alpha$
Cross Section
60-Nd-142
4.110 To 379.7 %



MAT 6025

(n,2n) α
Cross Section

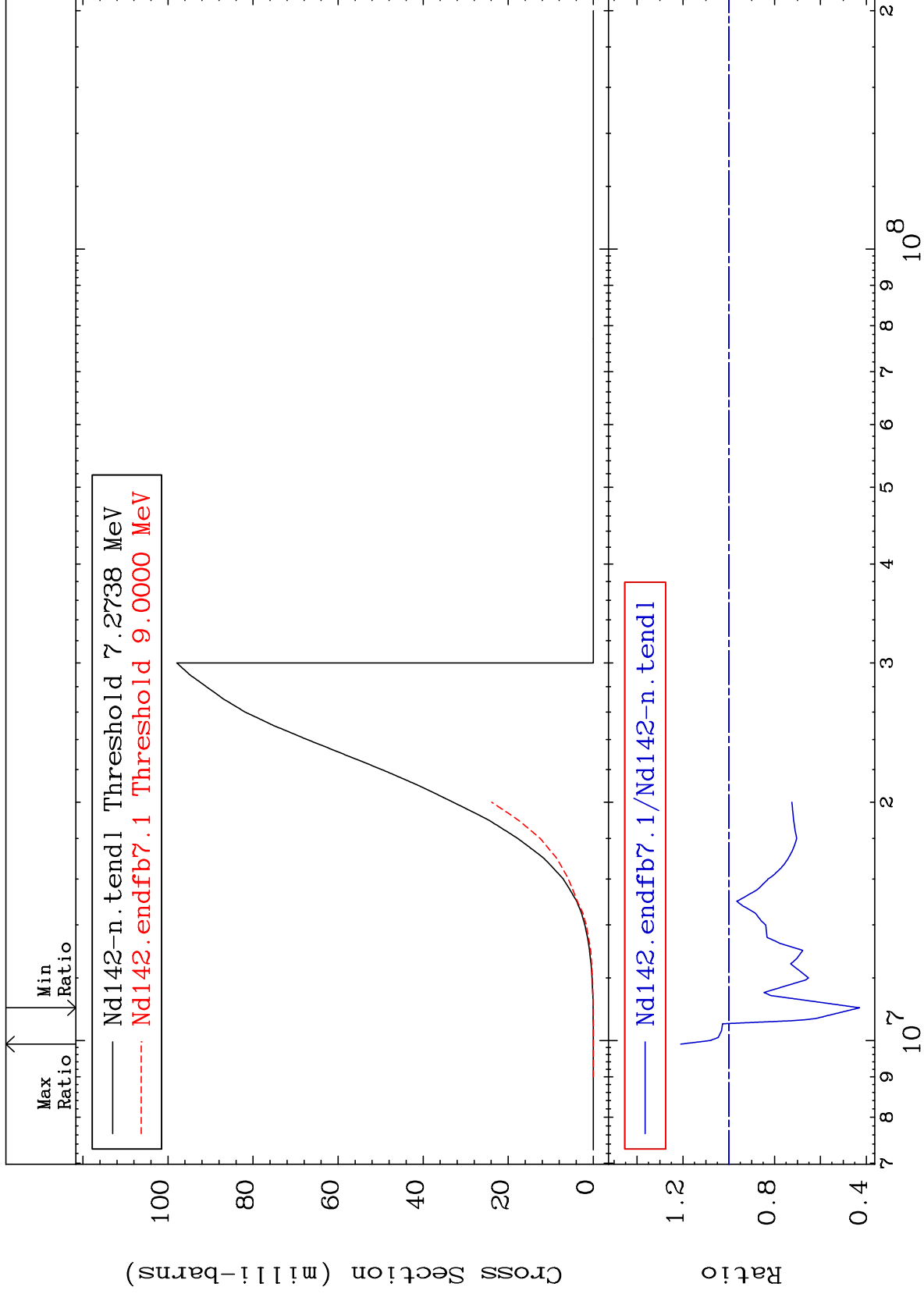
60-Nd-142
-99.61 To 9999. %



MAT 6025

(n,n') p
Cross Section

60-Nd-142
-57.05 To 20.94 %



8

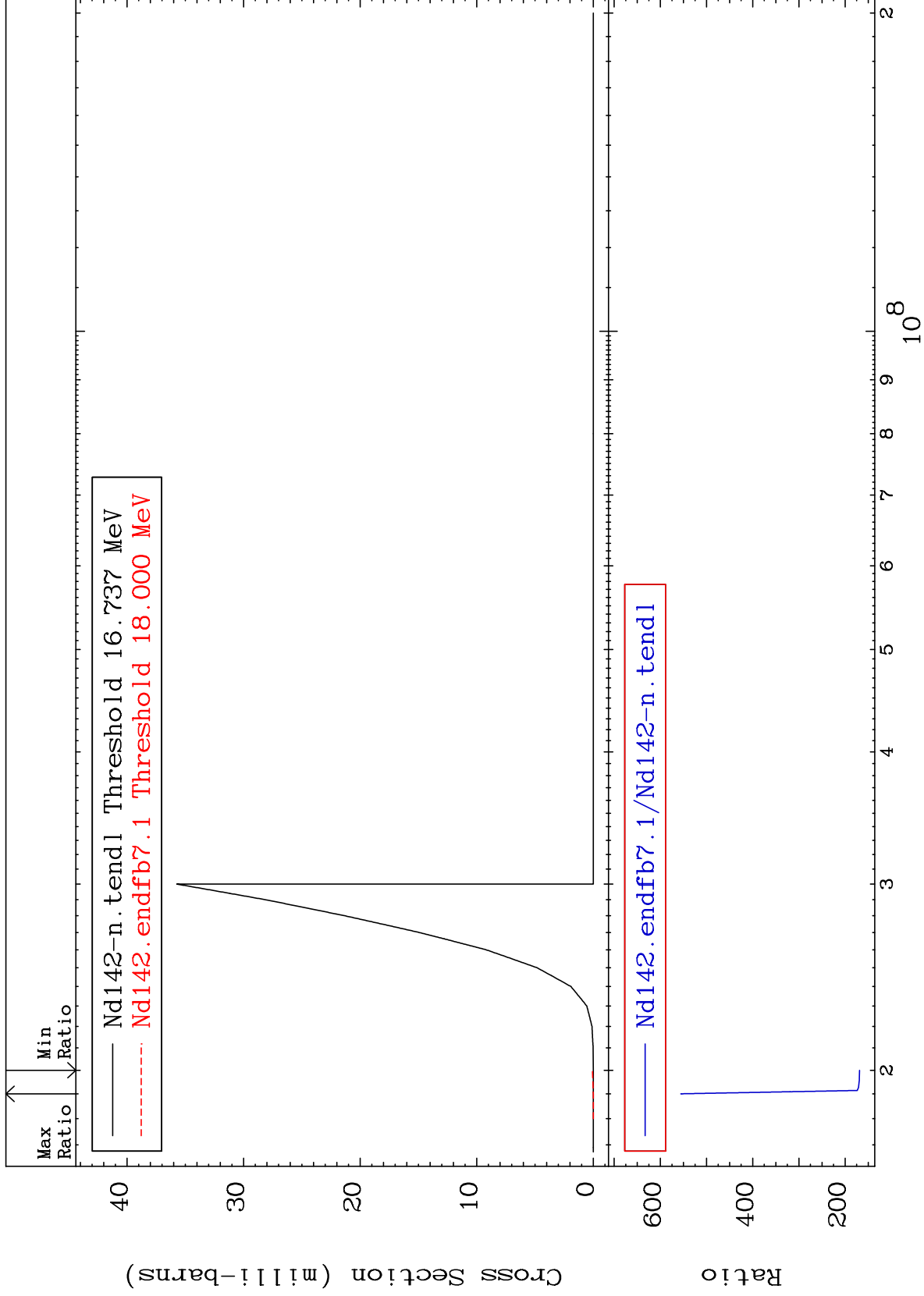
Incident Energy (eV)

60-Nd-142

MAT 6025

(n,2n) p
Cross Section

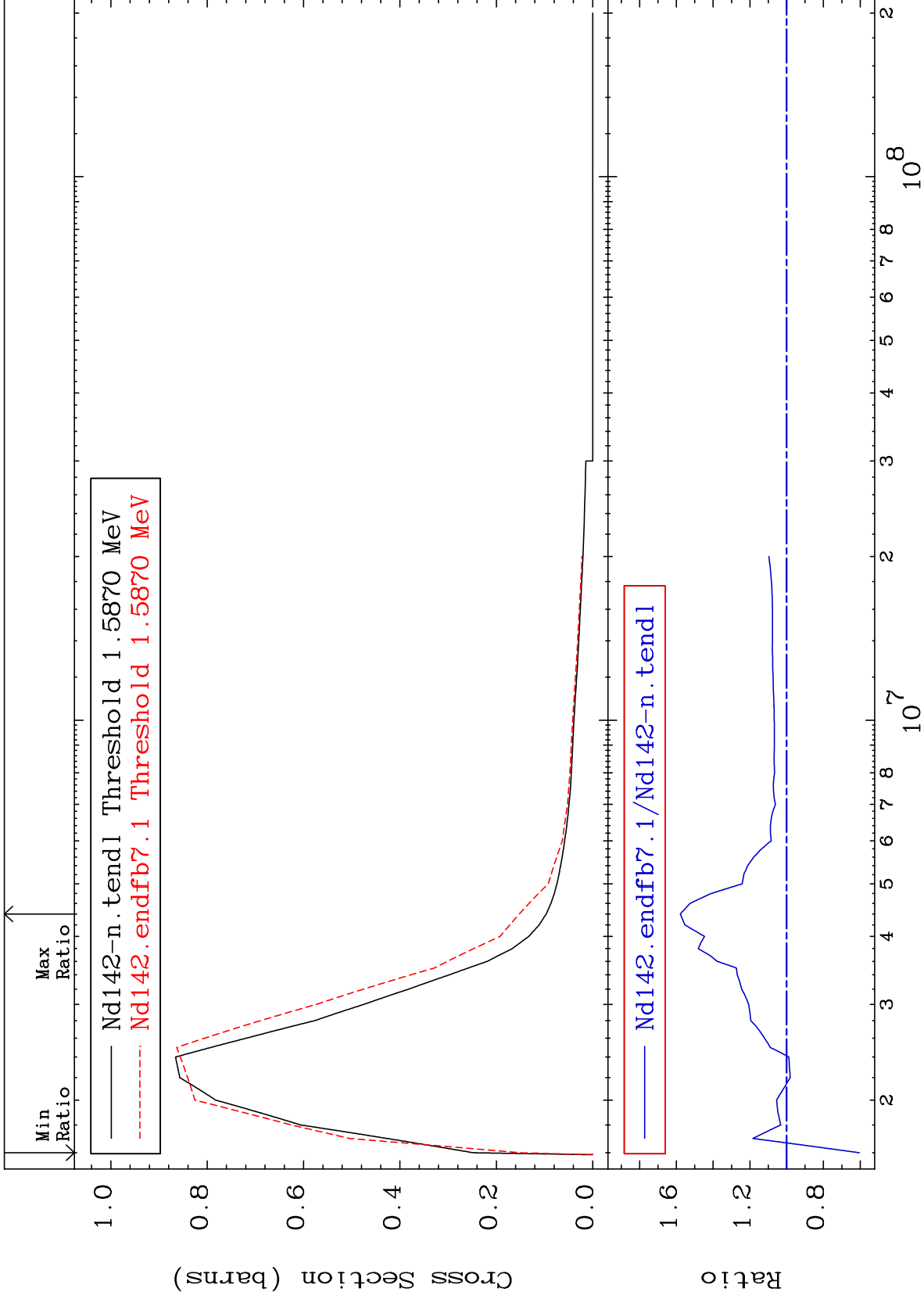
60-Nd-142
9999. To 9999. %



MAT 6025

1.576 MeV (n,n') Level
Cross Section

60-Nd-142
-39.58 To 57.83 %



10

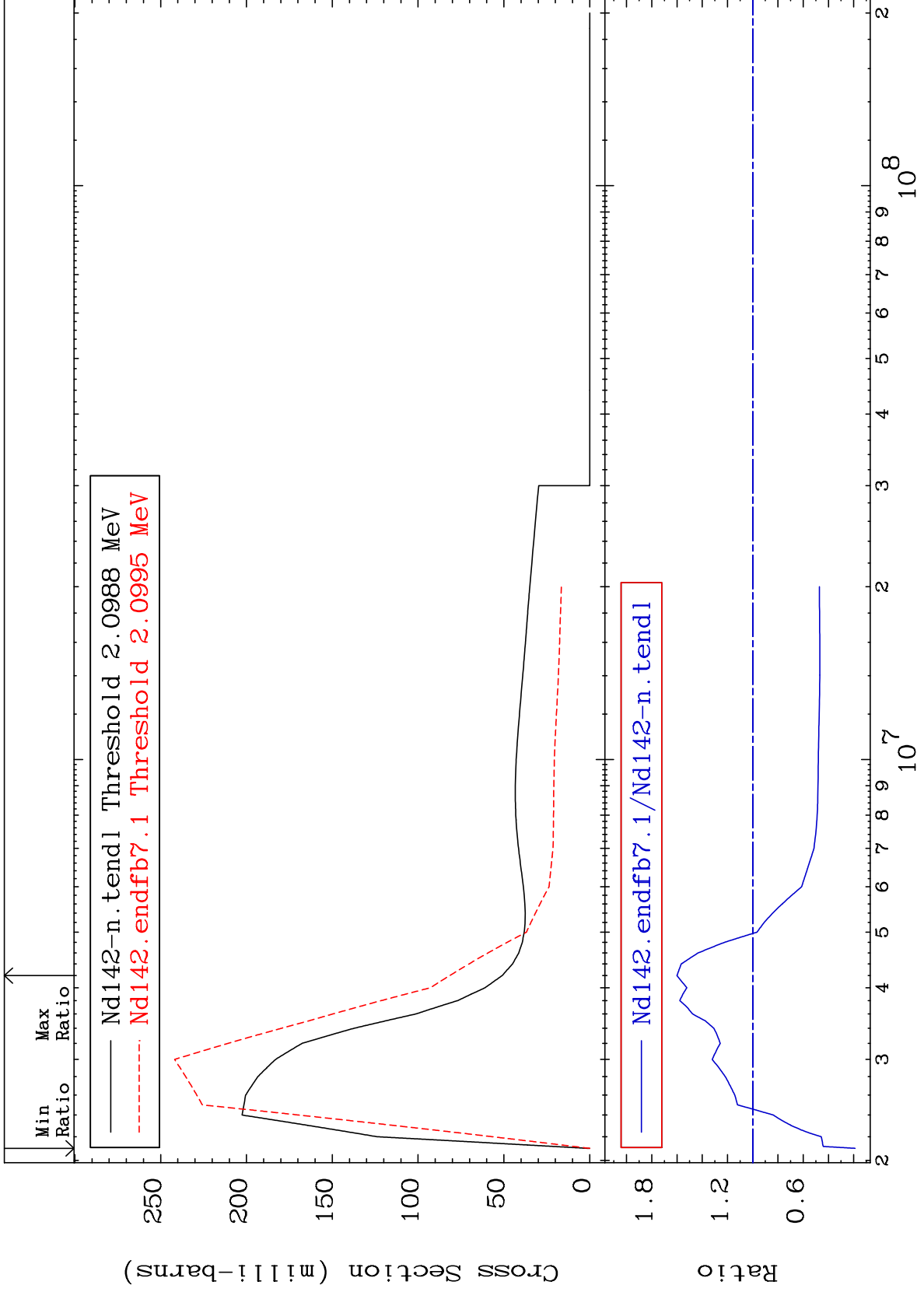
Incident Energy (eV)

60-Nd-142

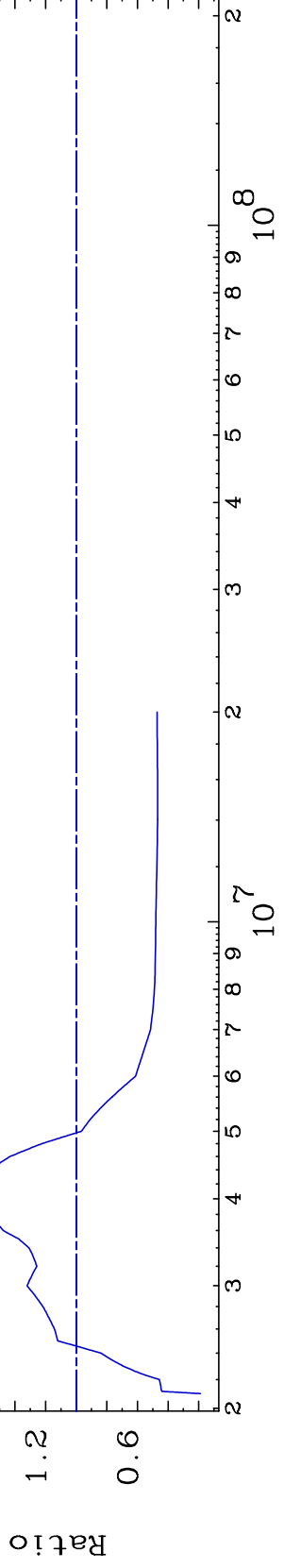
MAT 6025

2.084 MeV (n,n') Level
Cross Section

60-Nd-142
-81.12 To 60.06 %



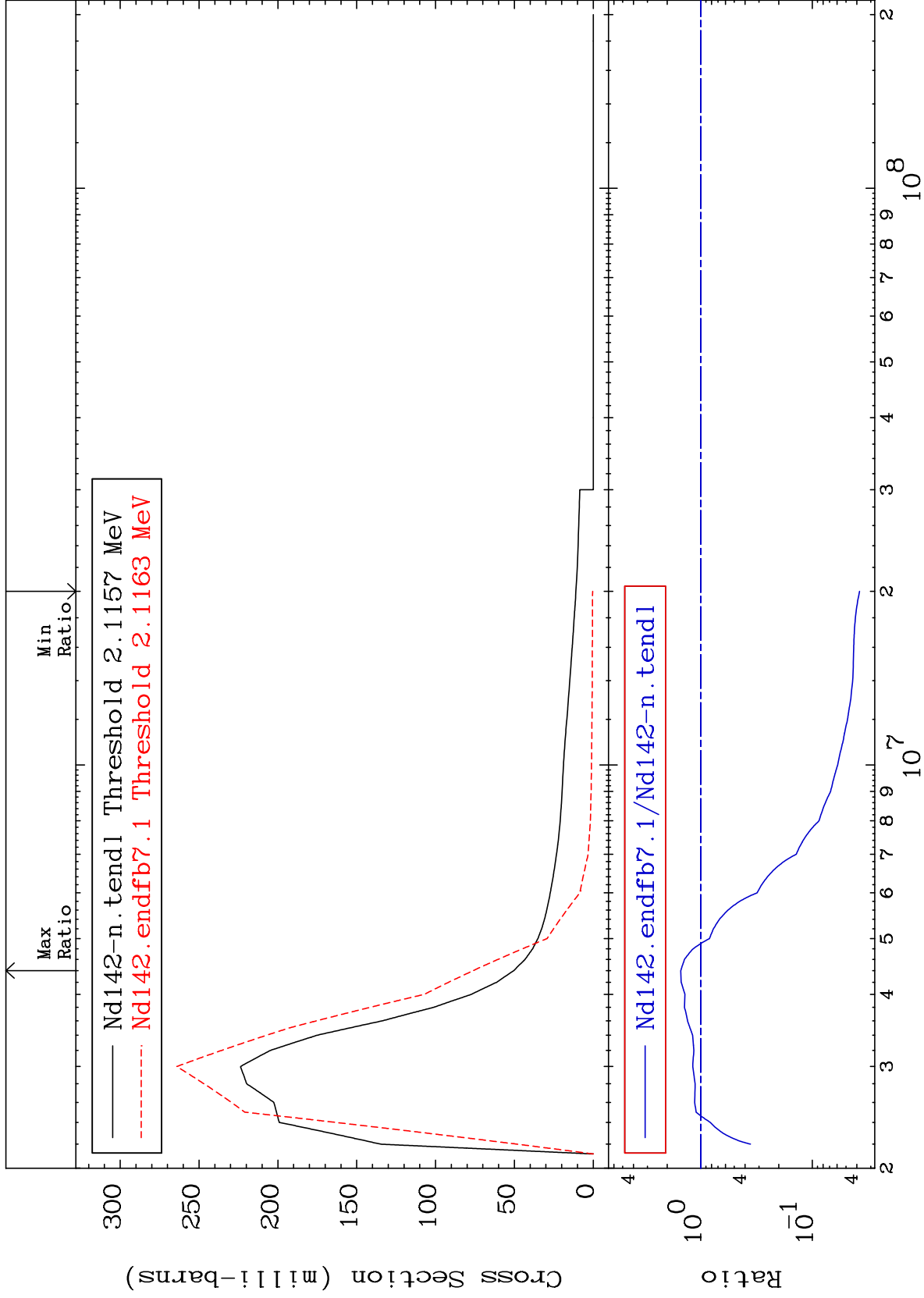
— Nd142.endfb7.1/Nd142-n.tendl



MAT 6025

2.101 MeV (n,n') Level
Cross Section

60-Nd-142
-96.22 To 50.93 %



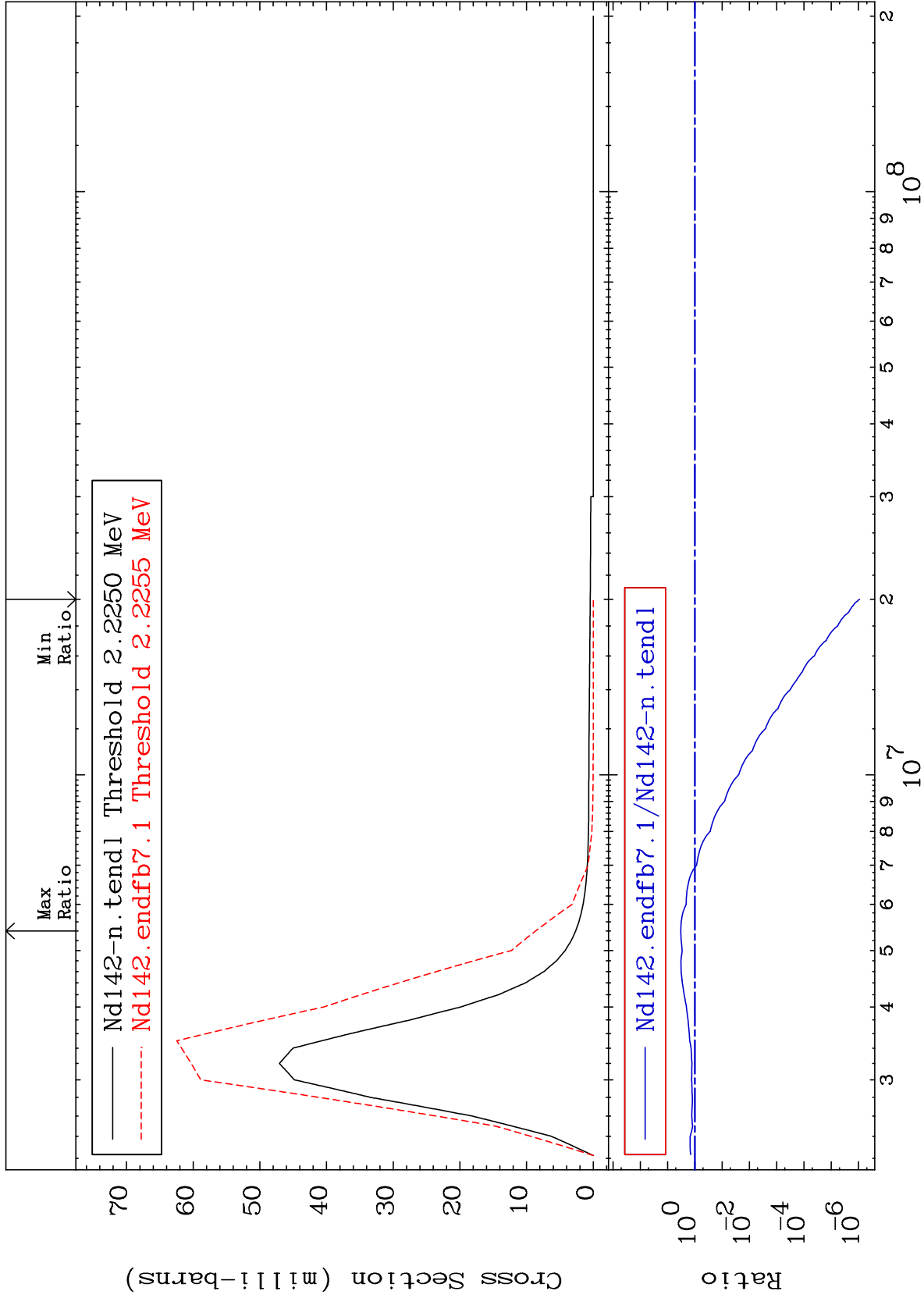
MAT 6025

2.209 MeV (n,n') Level

60-Nd-142

-100.0 To 227.8 %

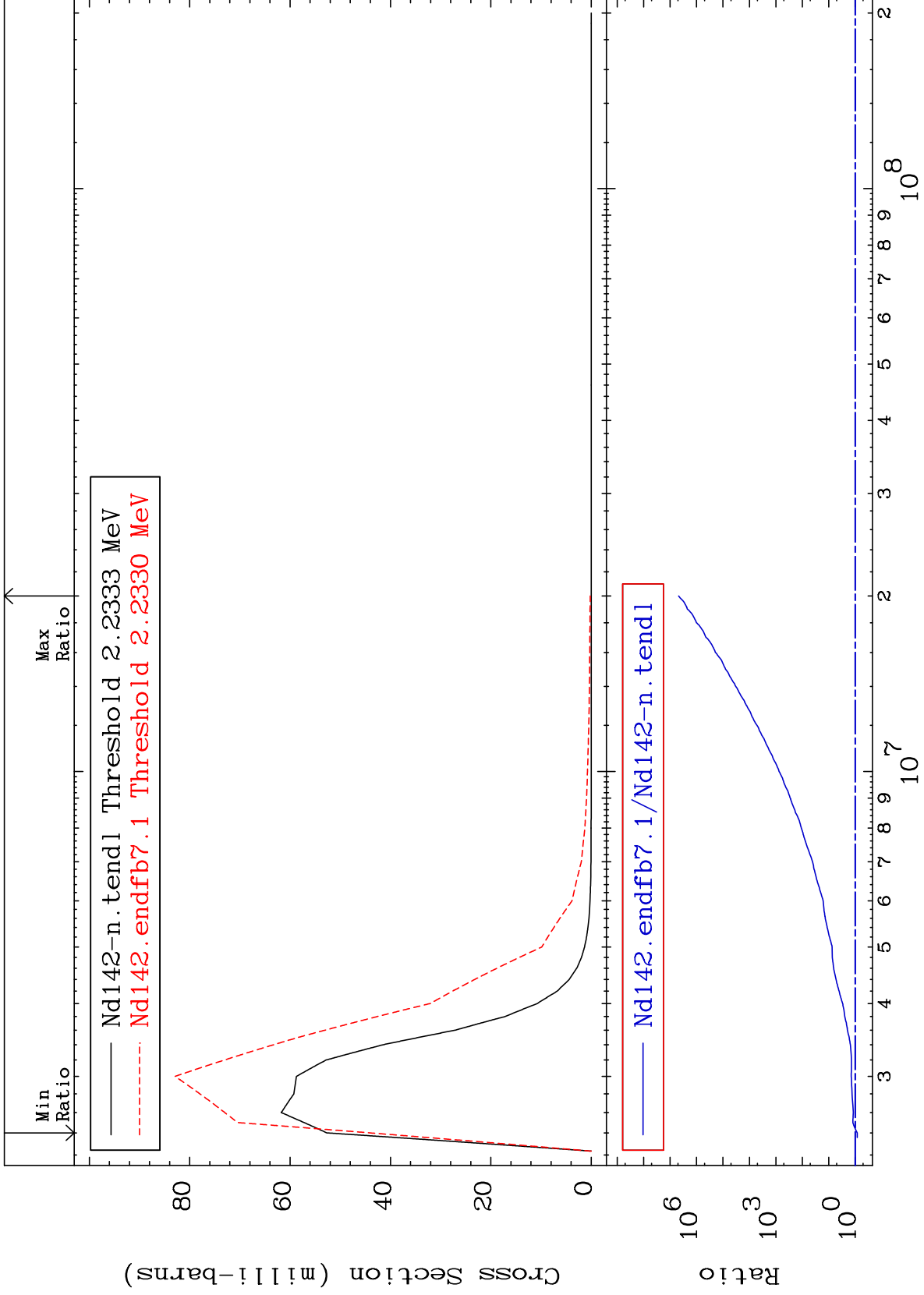
Cross Section



MAT 6025

2.217 MeV (n,n') Level
Cross Section

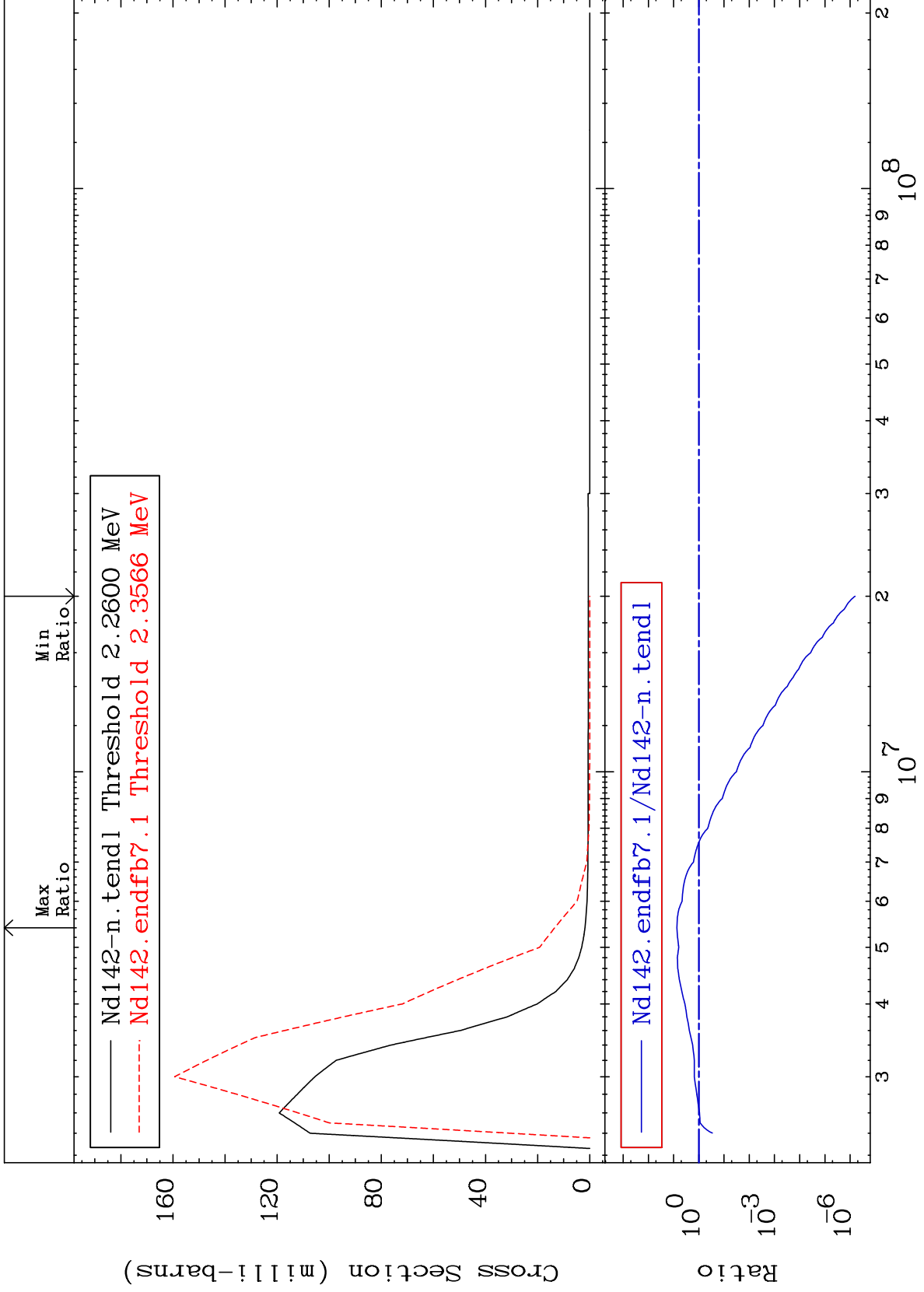
60-Nd-142
-16.26 To 9999. %



MAT 6025

2.244 MeV (n,n') Level
Cross Section

60-Nd-142
-100.0 To 637.9 %



15

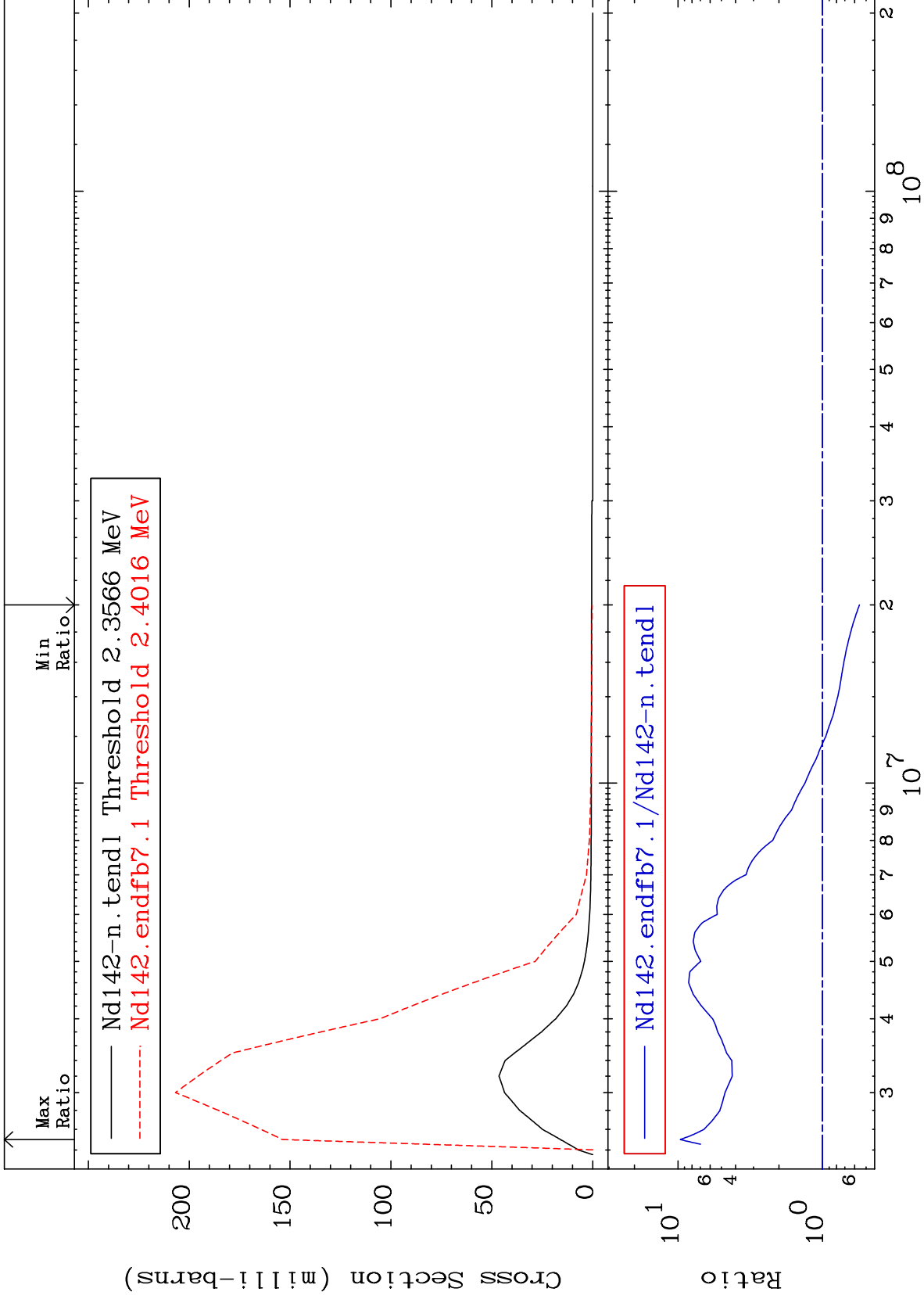
Incident Energy (eV)

60-Nd-142

MAT 6025

2.340 MeV (n,n') Level
Cross Section

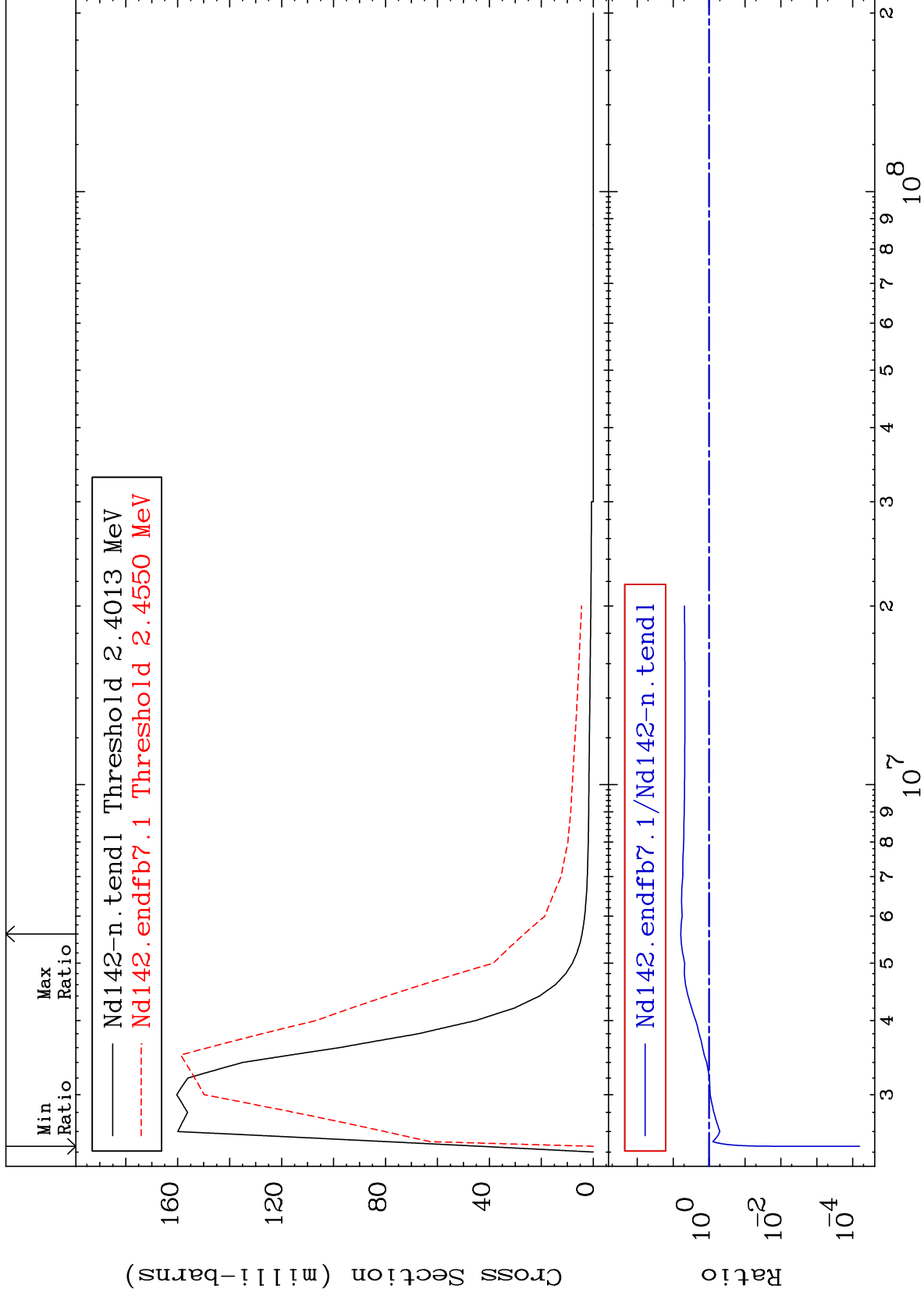
60-Nd-142
-44.48 To 862.7 %



MAT 6025

2.384 MeV (n,n') Level
Cross Section

60-Nd-142
-99.99 To 515.2 %



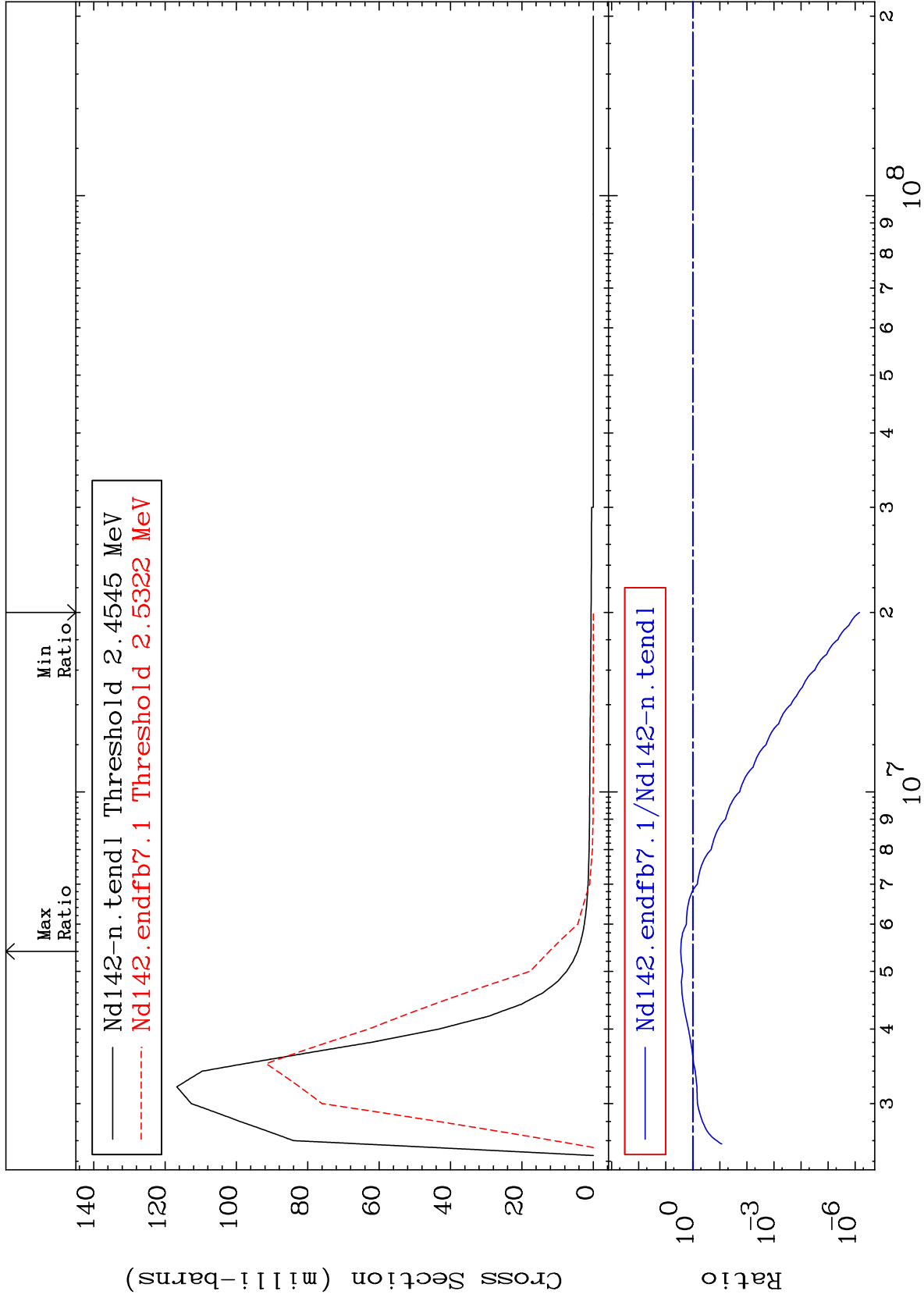
MAT 6025

2.437 MeV (n,n') Level

60-Nd-142

-100.0 To 178.9 %

Cross Section



18

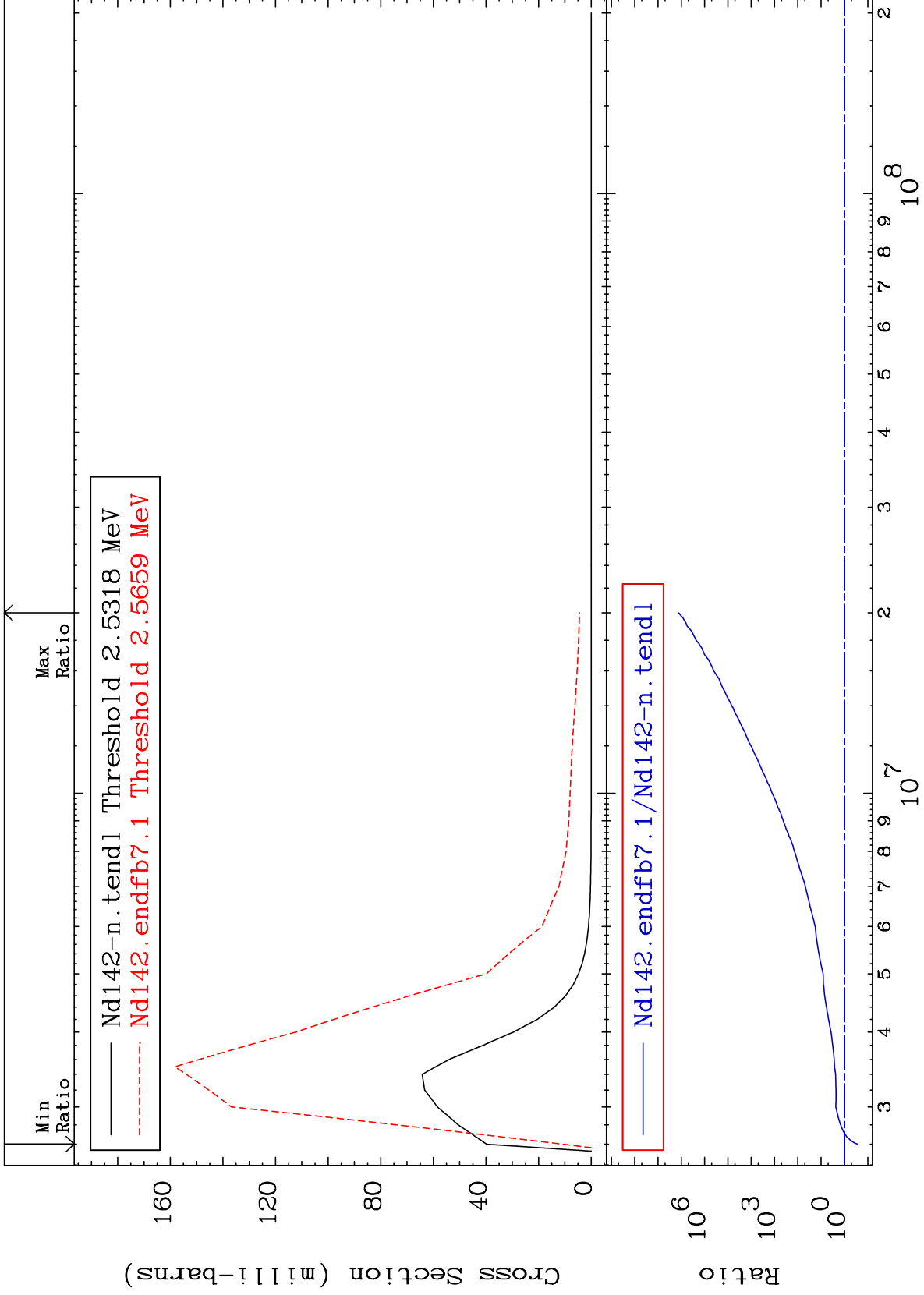
Incident Energy (eV)

60-Nd-142

MAT 6025

2.514 MeV (n,n') Level
Cross Section

60-Nd-142
-71.71 To 9999. %



19

Incident Energy (eV)

60-Nd-142

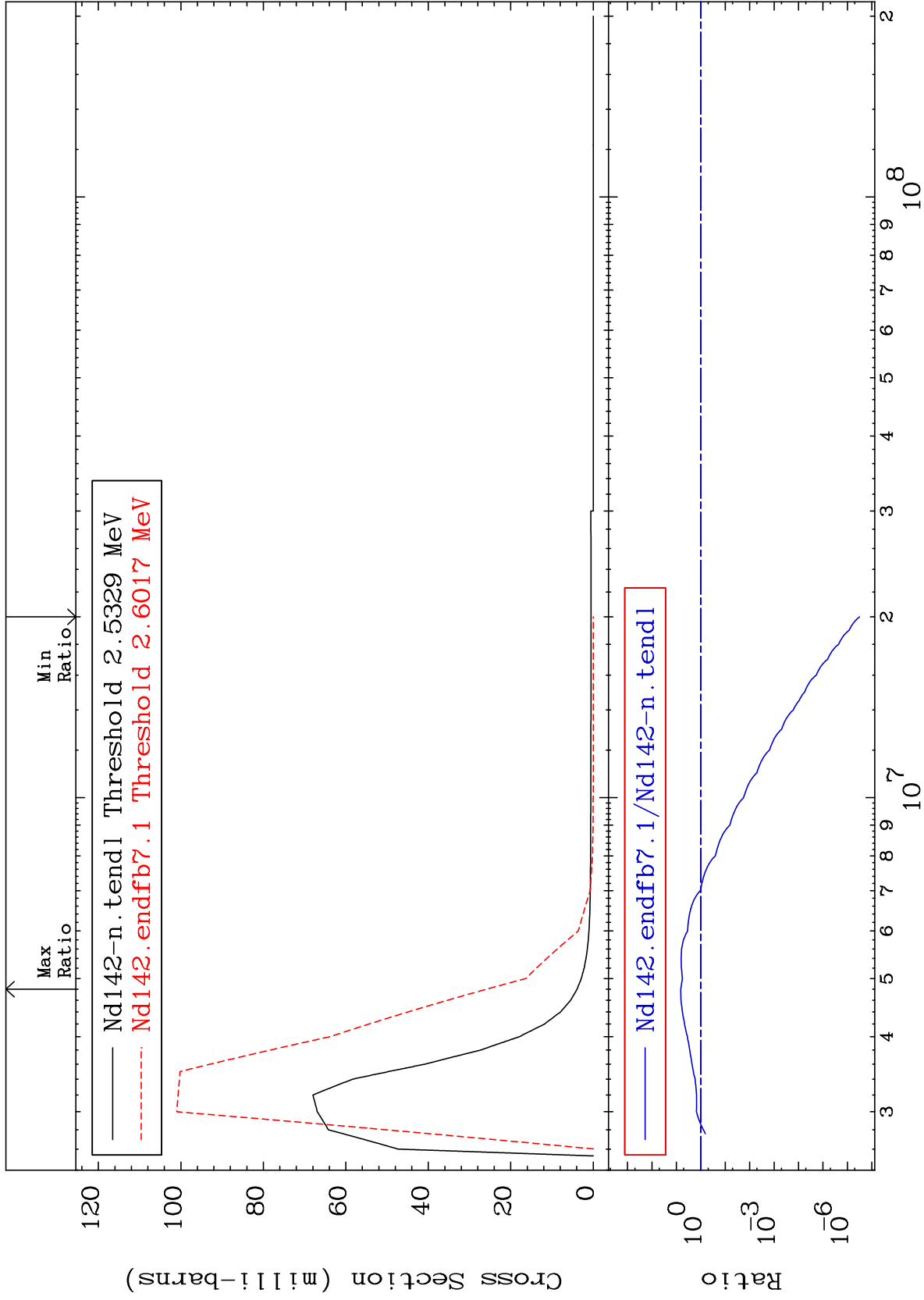
MAT 6025

2.515 MeV (n,n') Level

60-Nd-142

-100.0 To 559.5 %

Cross Section



20

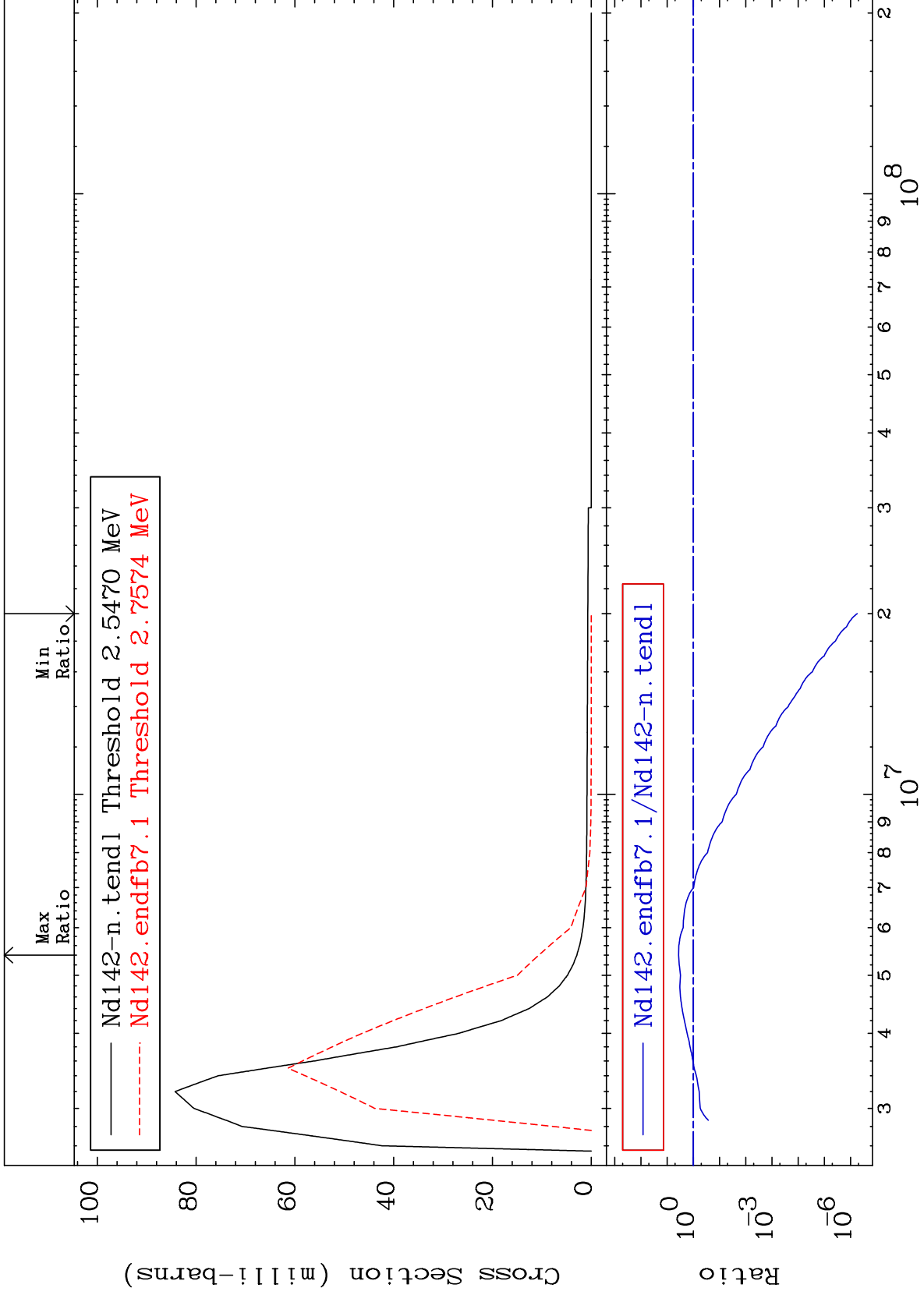
Incident Energy (eV)

60-Nd-142

MAT 6025

2.529 MeV (n,n') Level
Cross Section

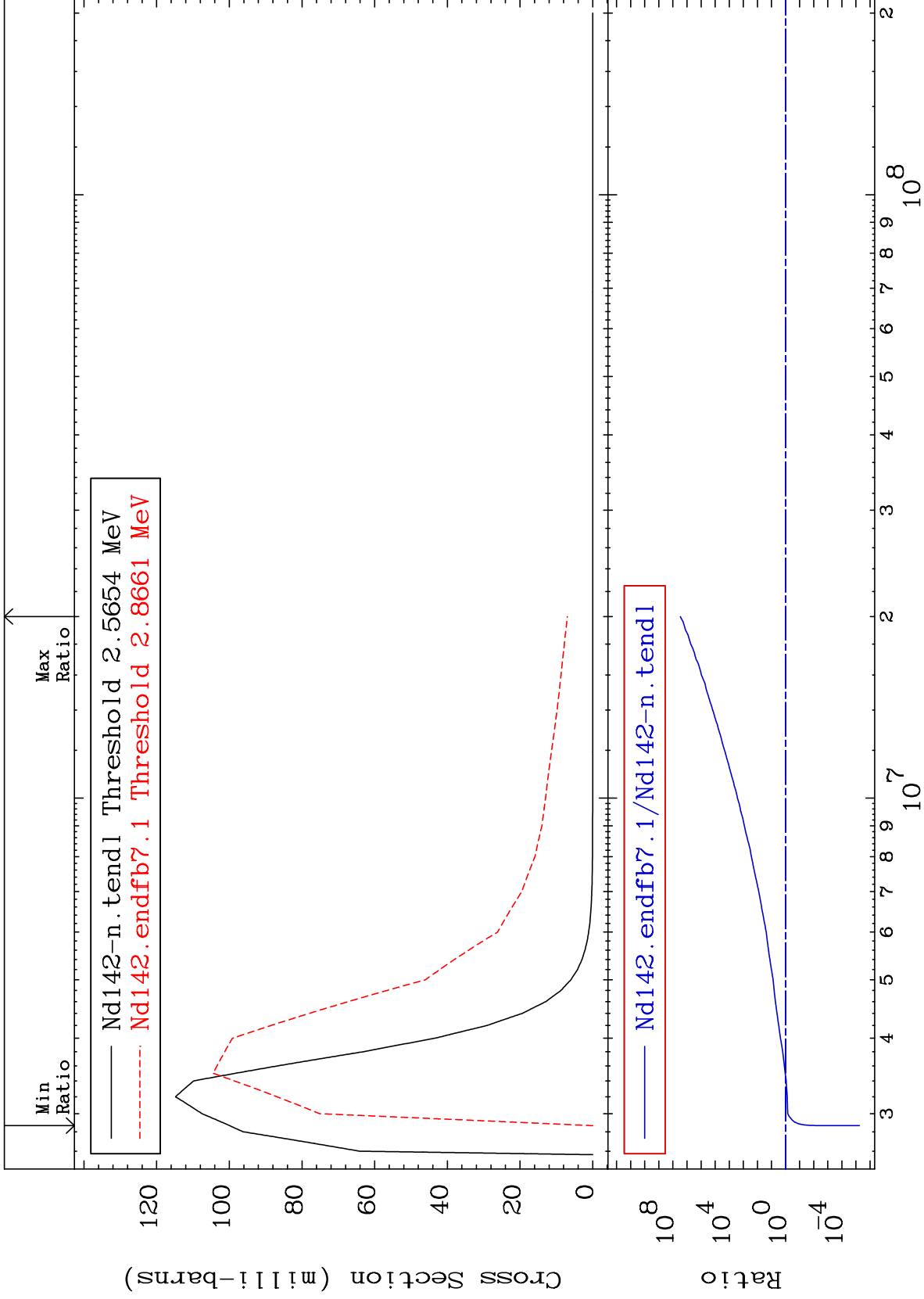
60-Nd-142
-100.0 To 264.1 %



MAT 6025

2.547 MeV (n,n') Level
Cross Section

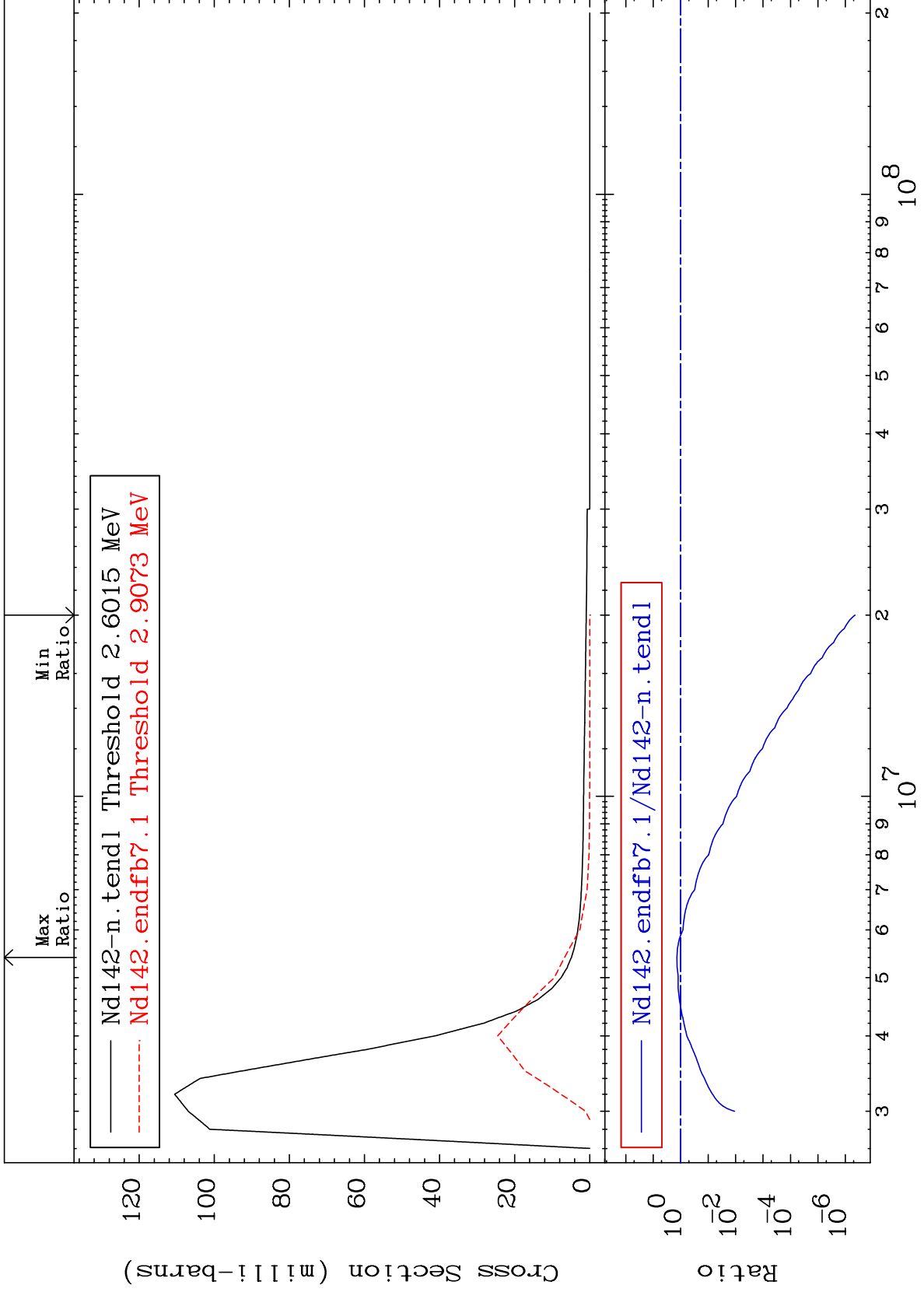
60-Nd-142
-100.0 To 9999. %



MAT 6025

2.583 MeV (n,n') Level
Cross Section

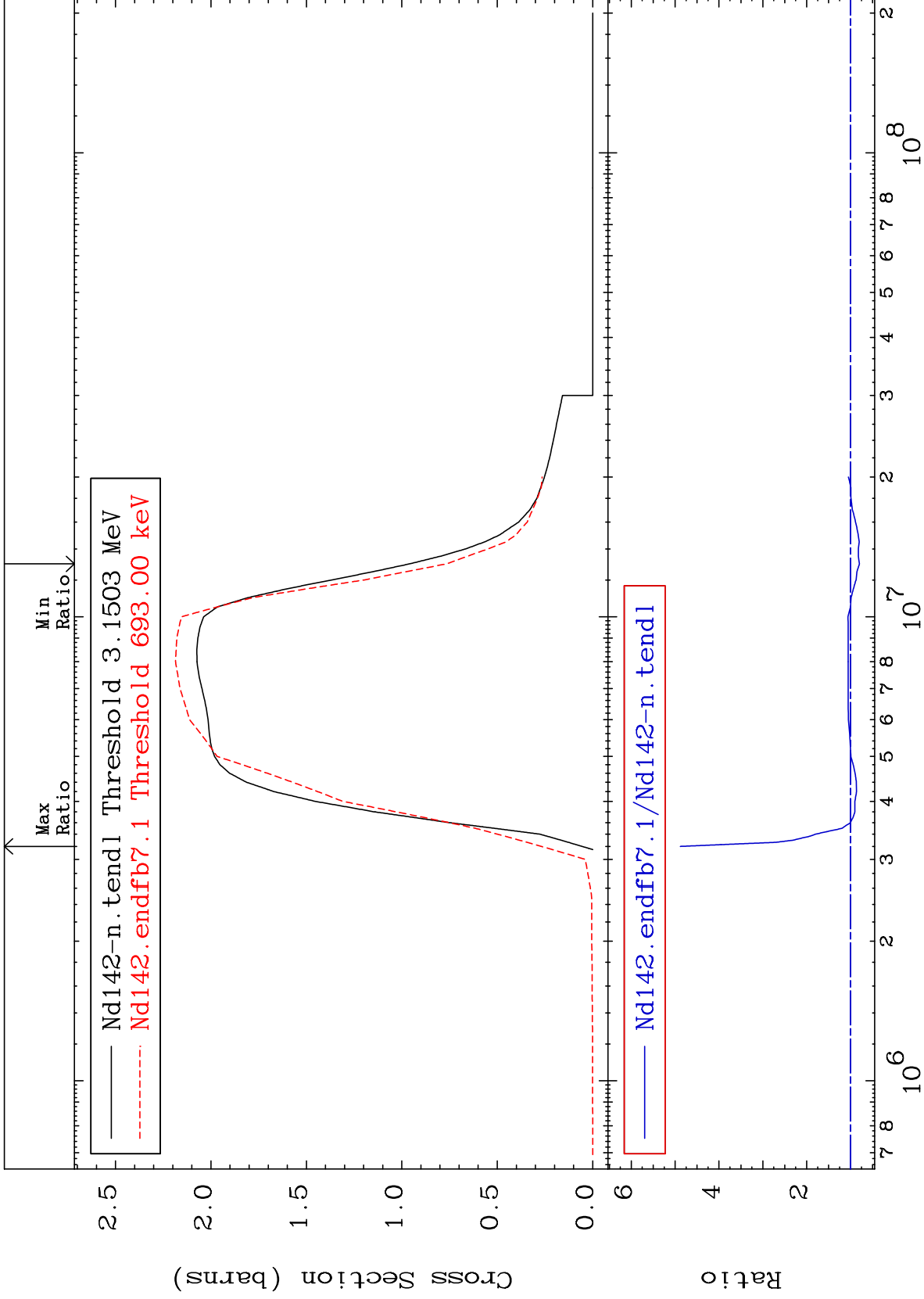
60-Nd-142
-100.0 To 37.34 %



MAT 6025

(n, n') Continuum
Cross Section

60-Nd-142
-20.28 To 388.1 %



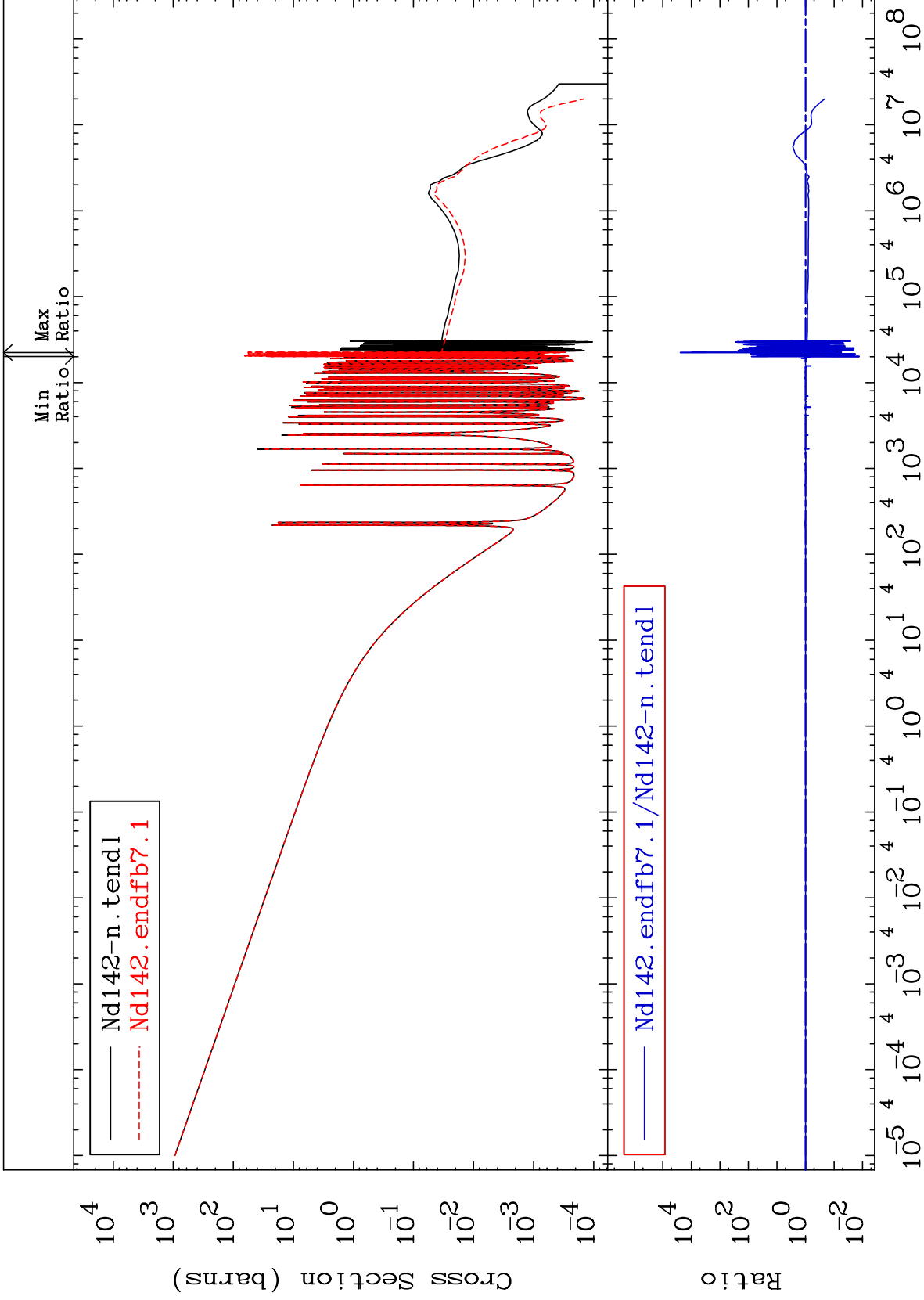
MAT 6025

(n, γ)

Cross Section

60-Nd-142

-98.71 To 9999. %



25

Incident Energy (eV)

60-Nd-142

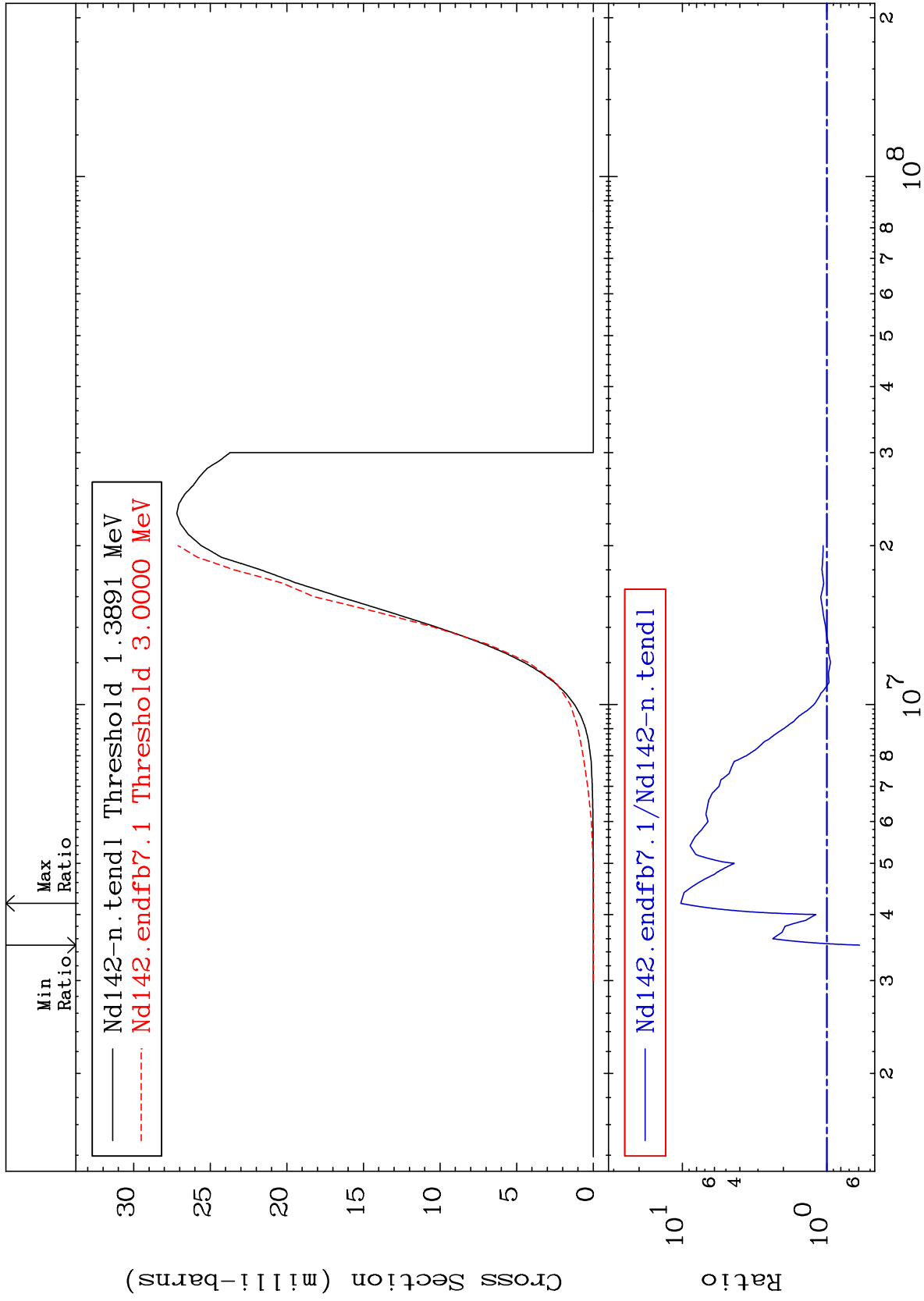
MAT 6025

(n, p)

60-Nd-142

Cross Section

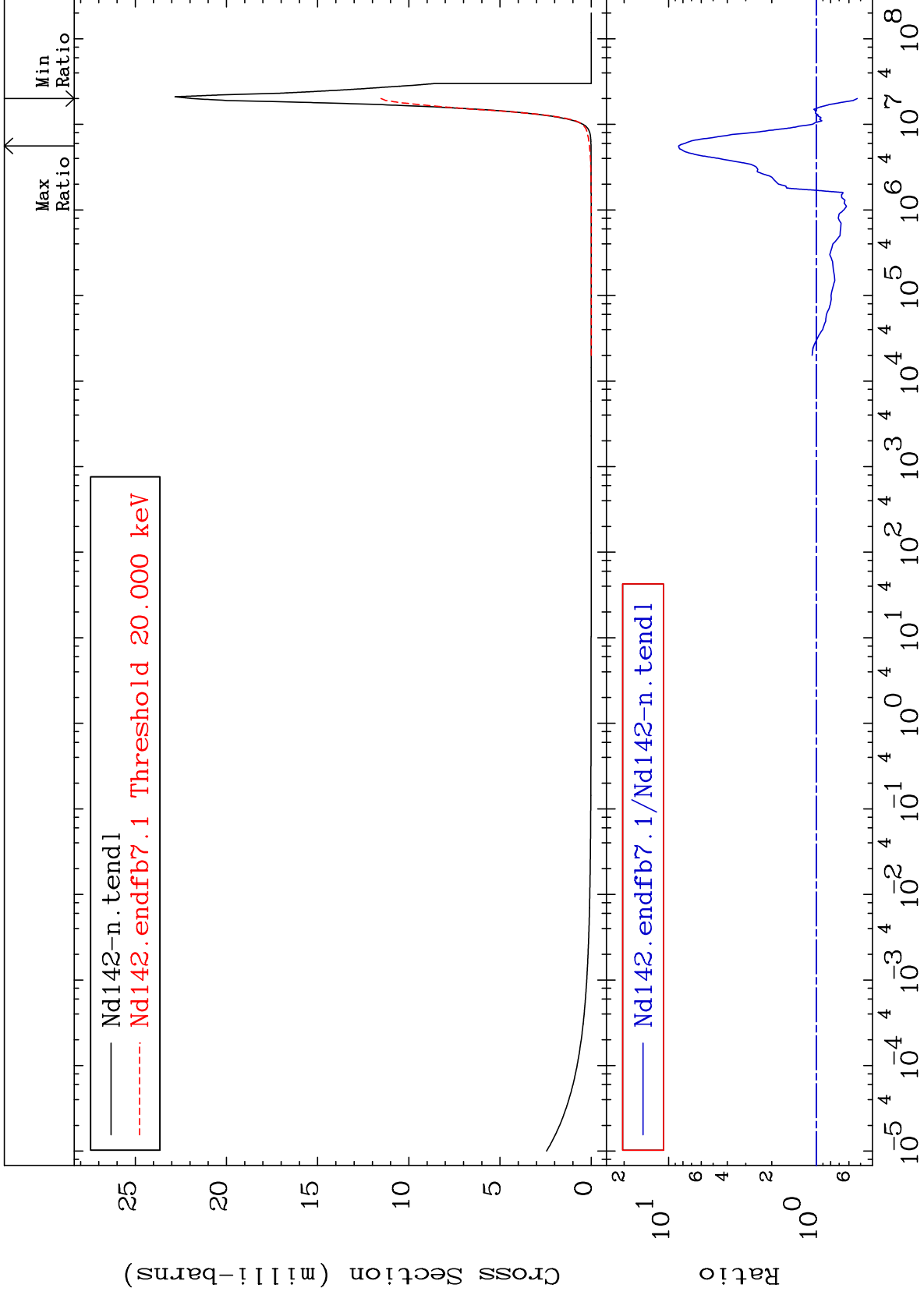
-40.71 To 927.8 %



MAT 6025

(n, α)
Cross Section

60-Nd-142
-47.25 To 755.0 %



27

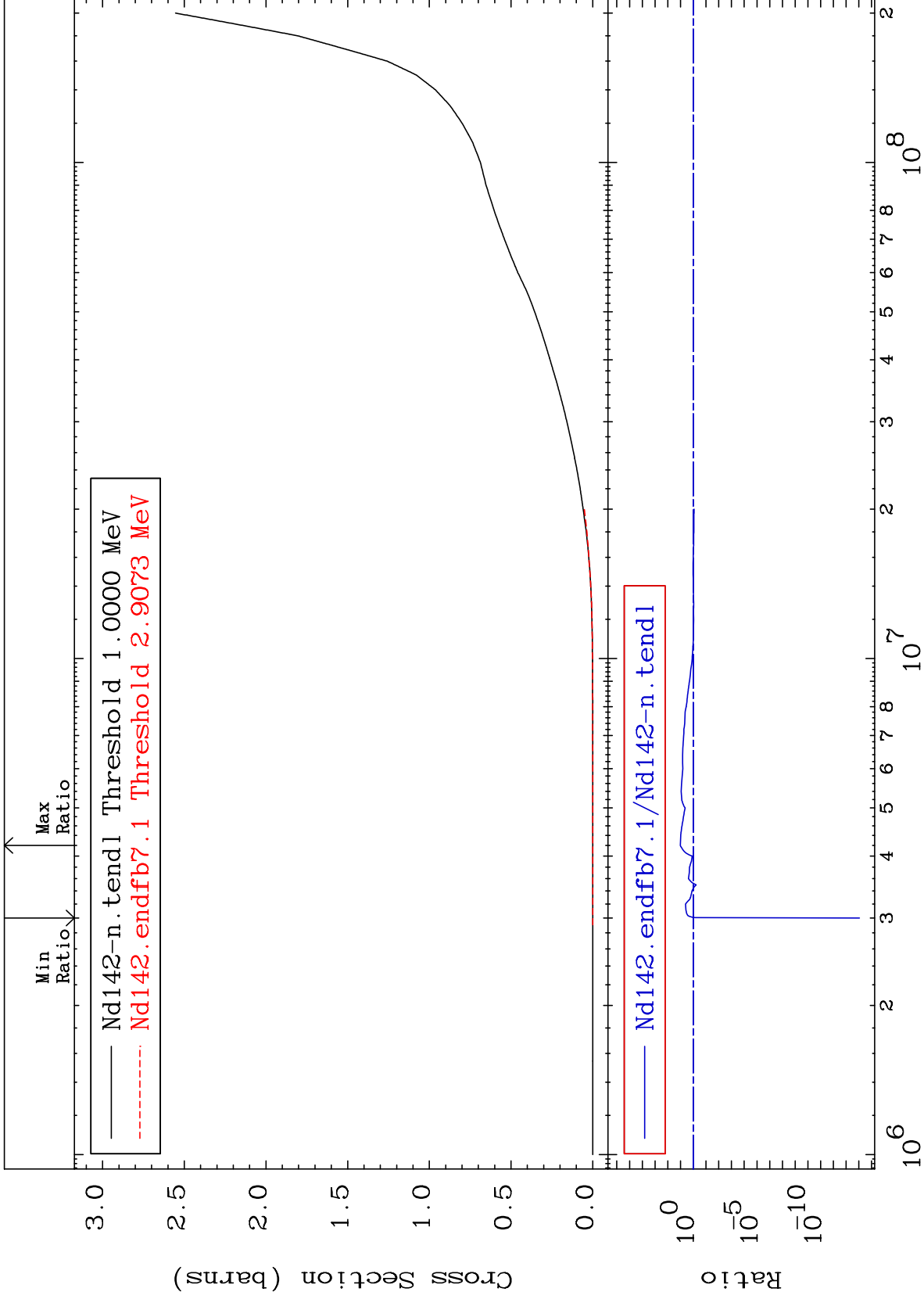
Incident Energy (eV)

60-Nd-142

MAT 6025

Hydrogen Production
Cross Section

60-Nd-142
-100.0 To 927.8 %



28

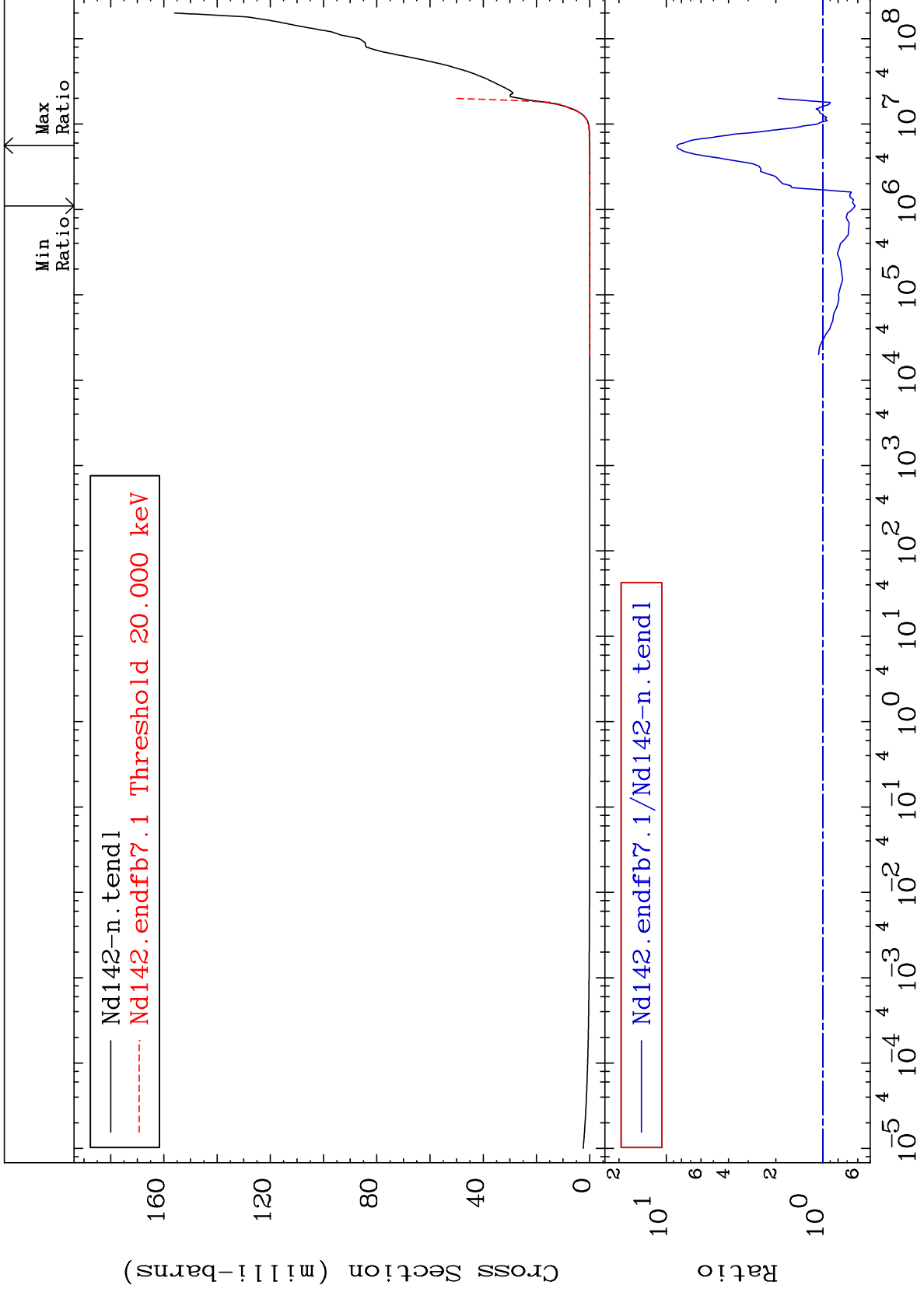
Incident Energy (eV)

60-Nd-142

MAT 6025

He-4 Production
Cross Section

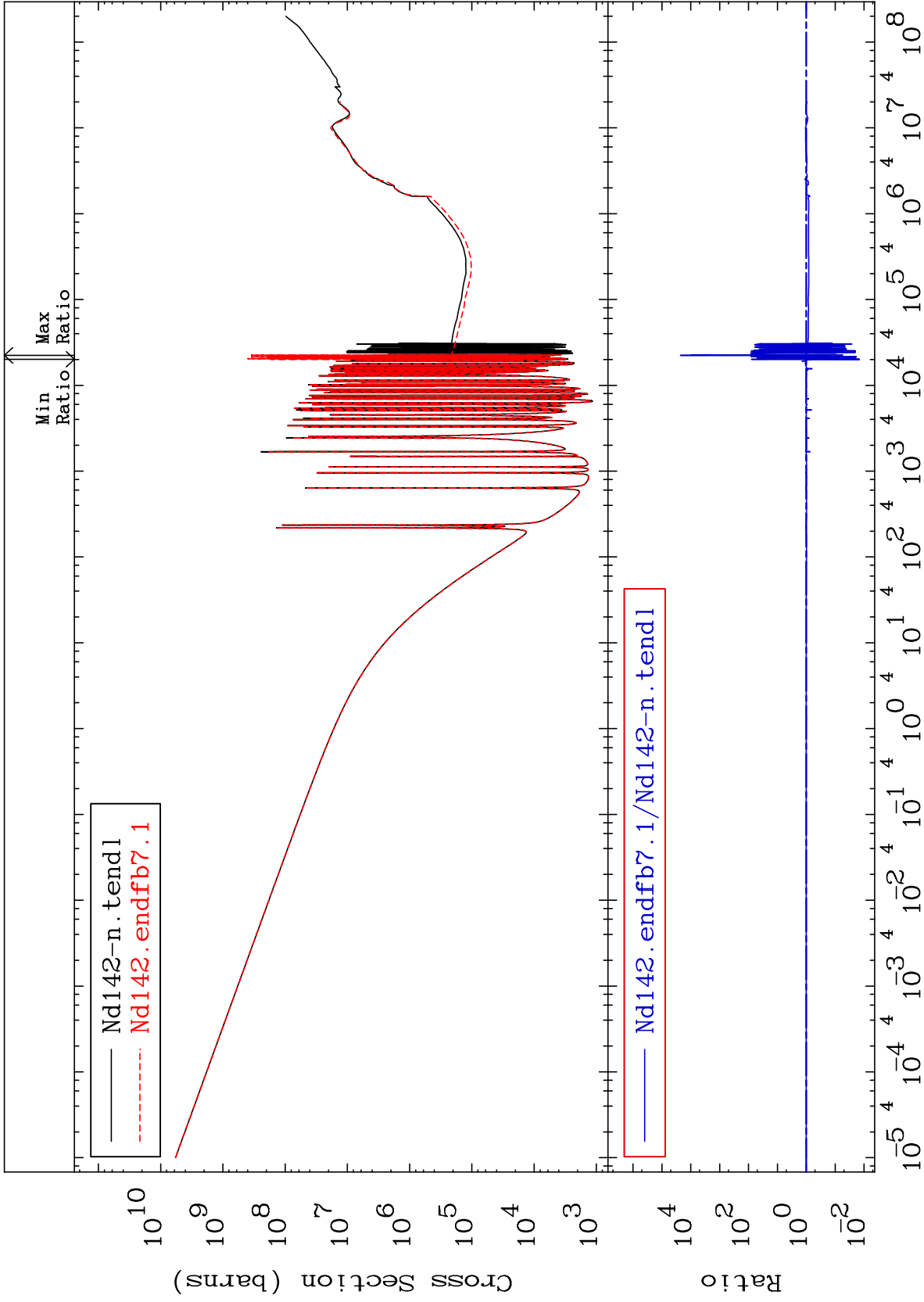
60-Nd-142
-37.65 To 755.0 %



29

Incident Energy (eV)

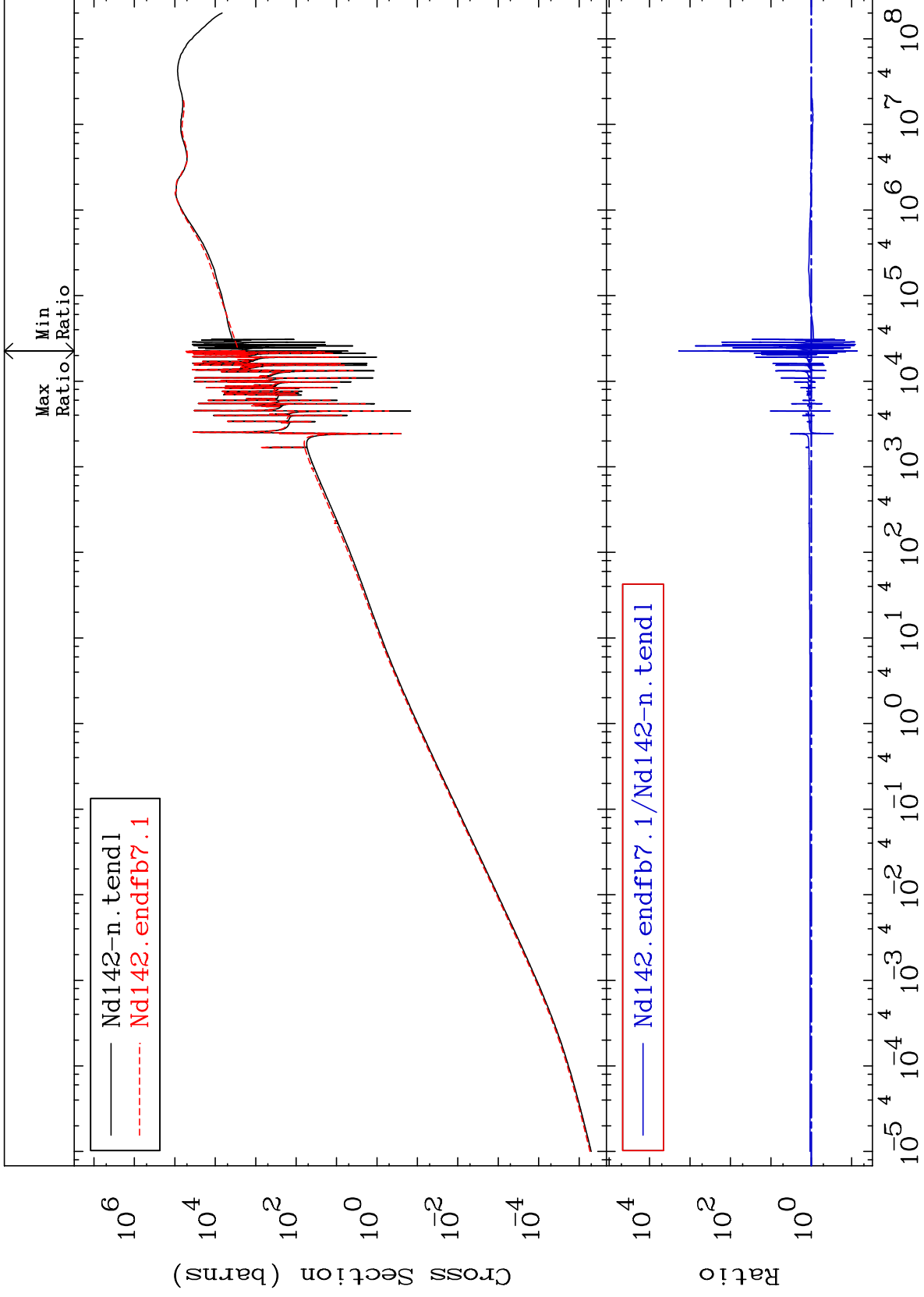
60-Nd-142

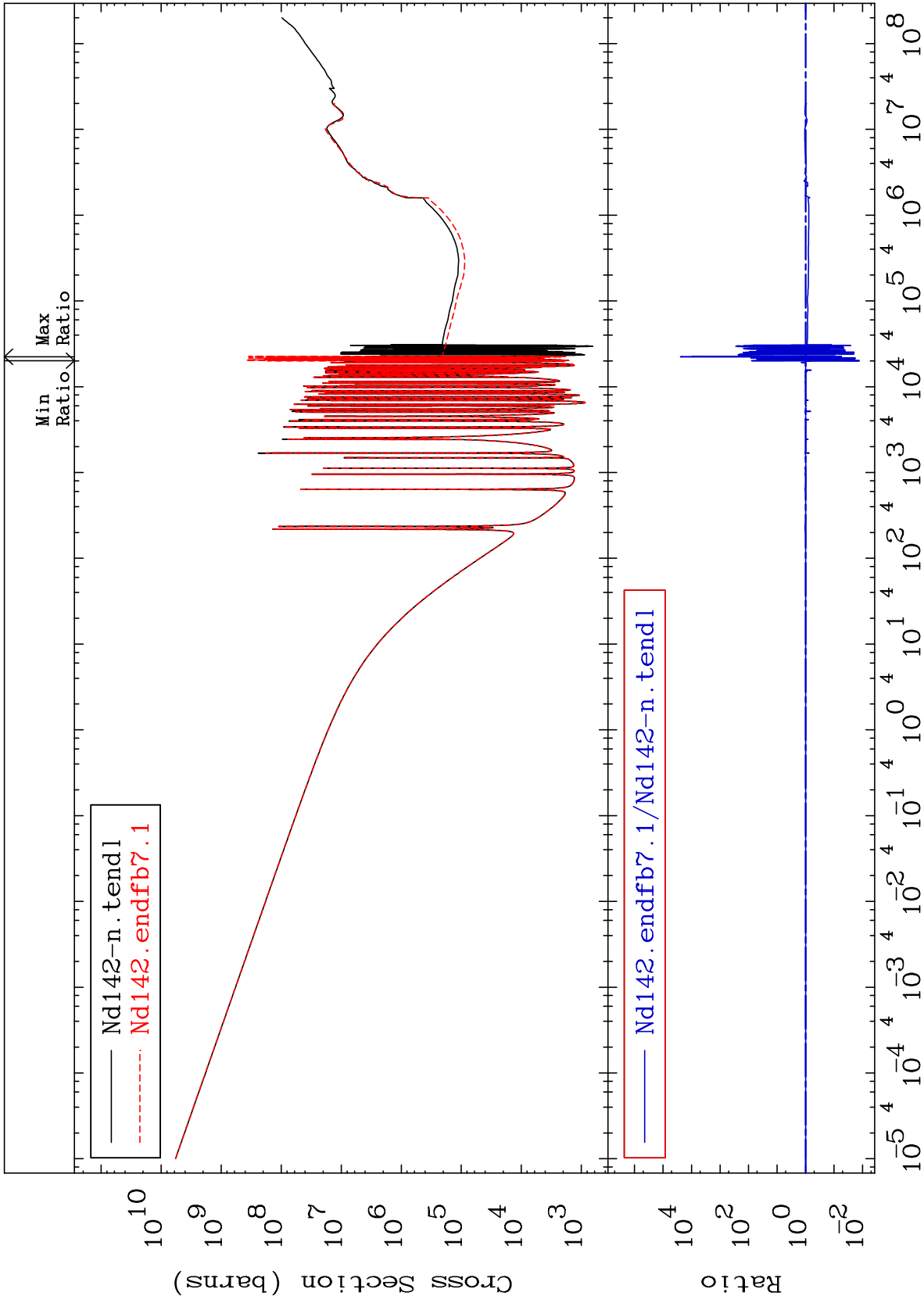


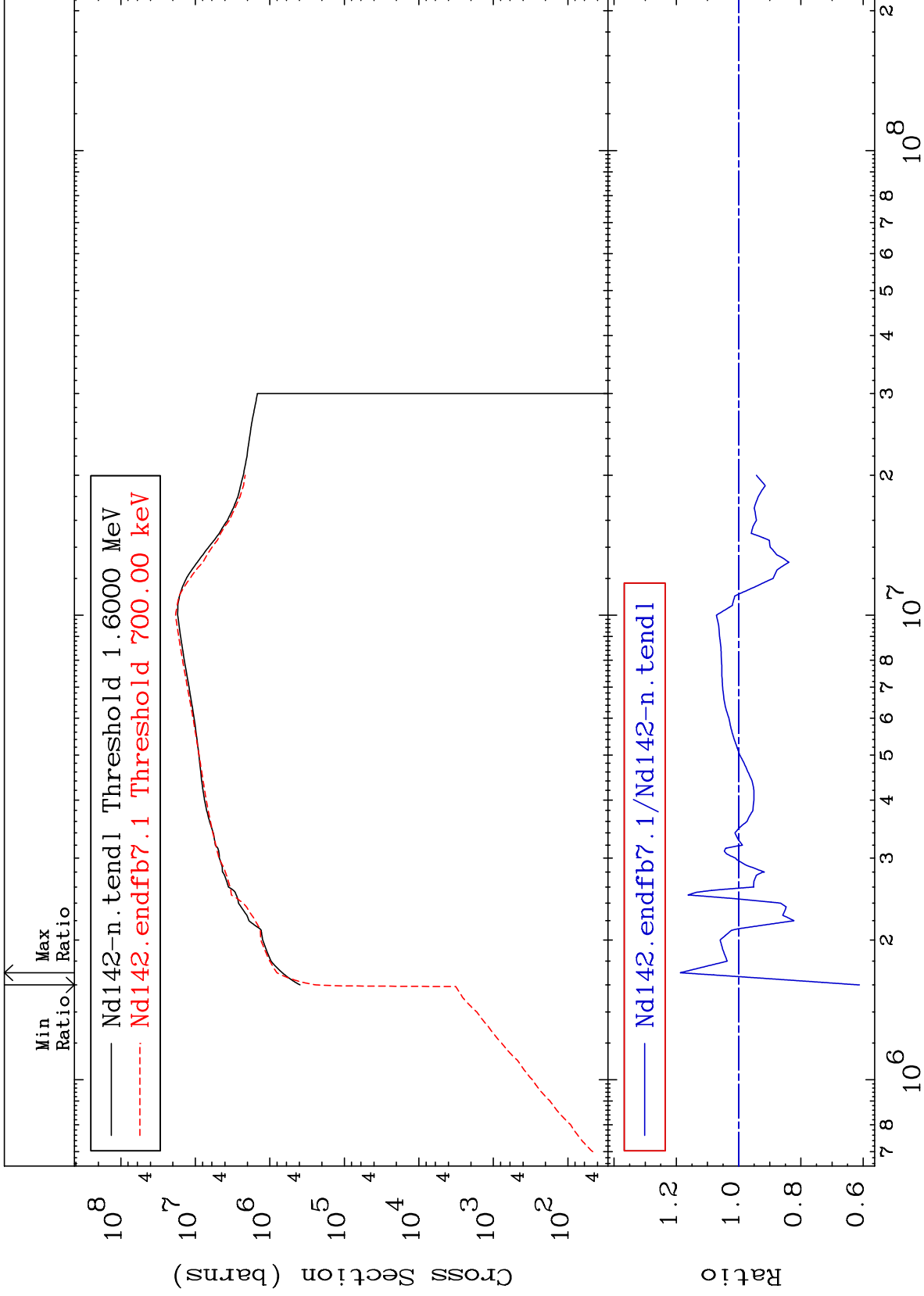
MAT 6025

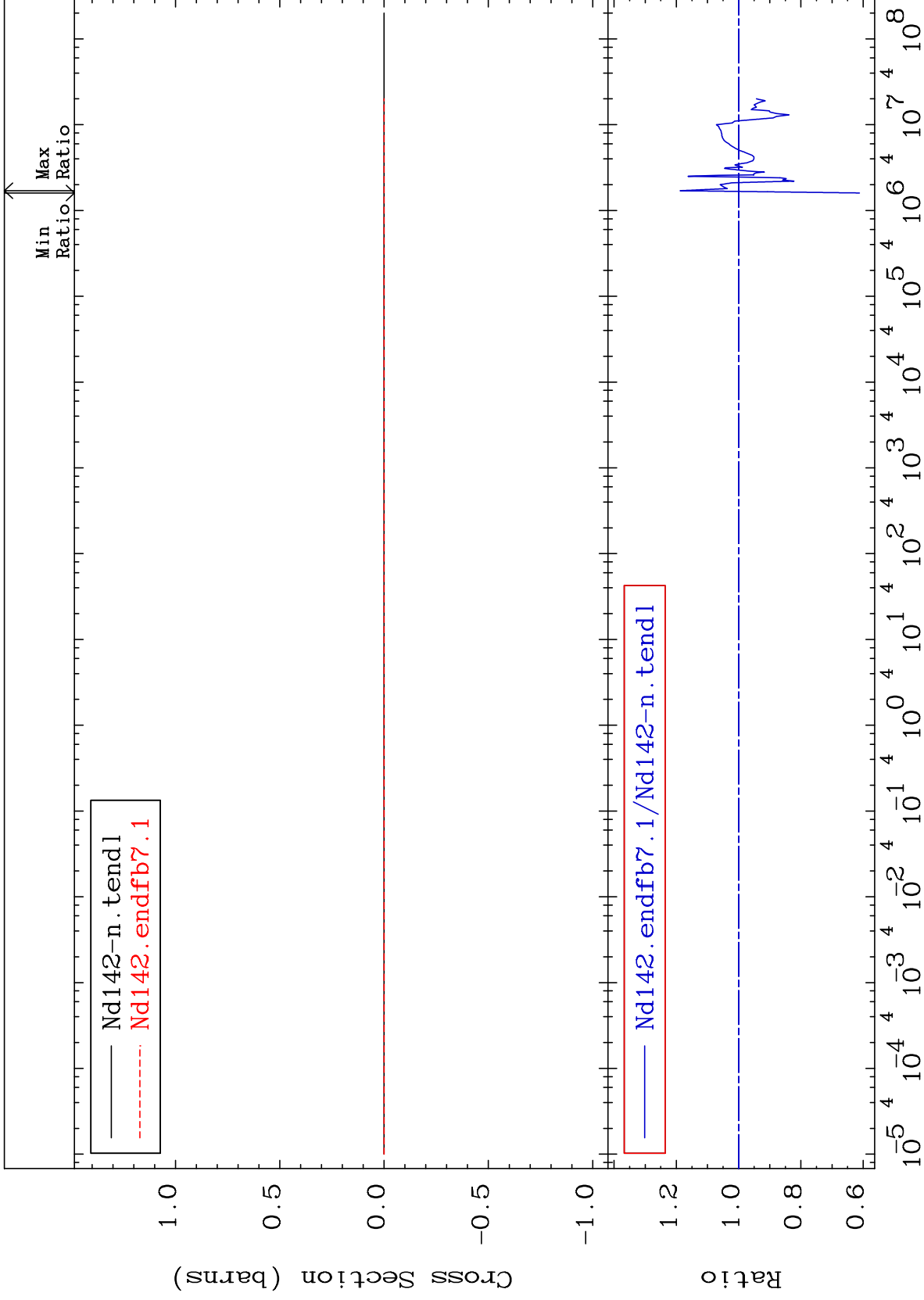
Kerma elastic
Cross Section

60-Nd-142
-92.72 To 9999. %





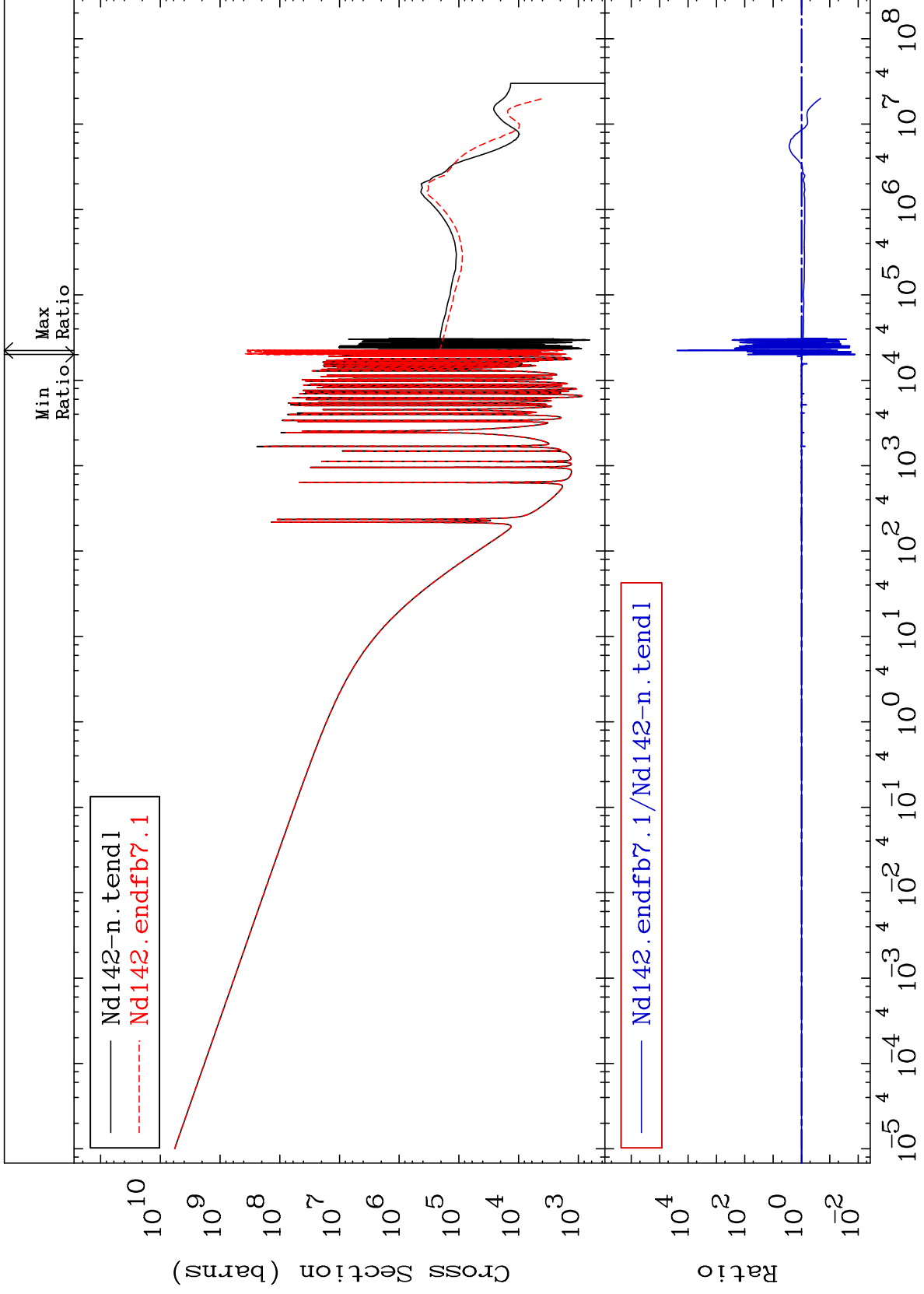




MAT 6025

Kerma capture (mt102)
Cross Section

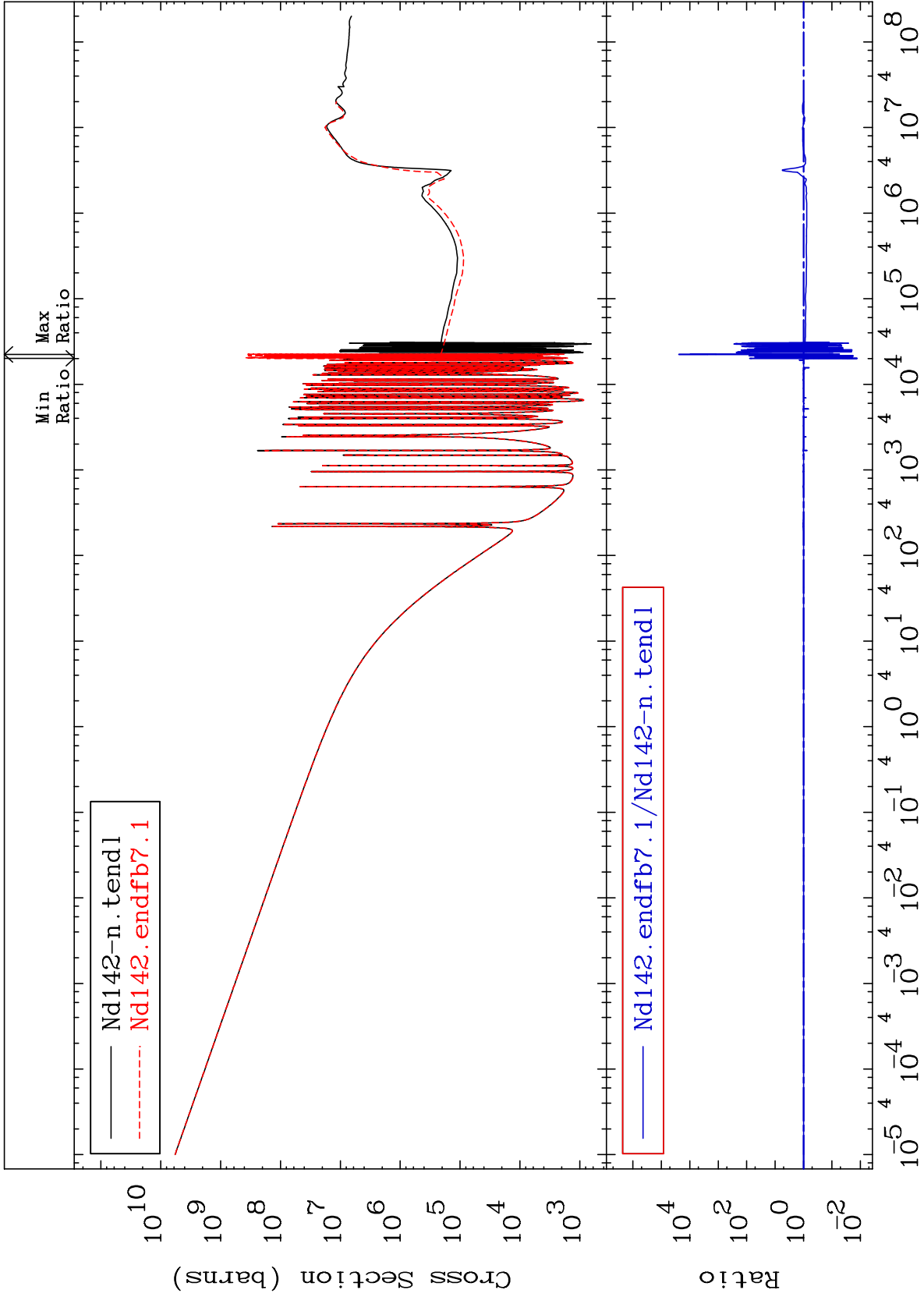
60-Nd-142
-98.71 To 9999. %



35

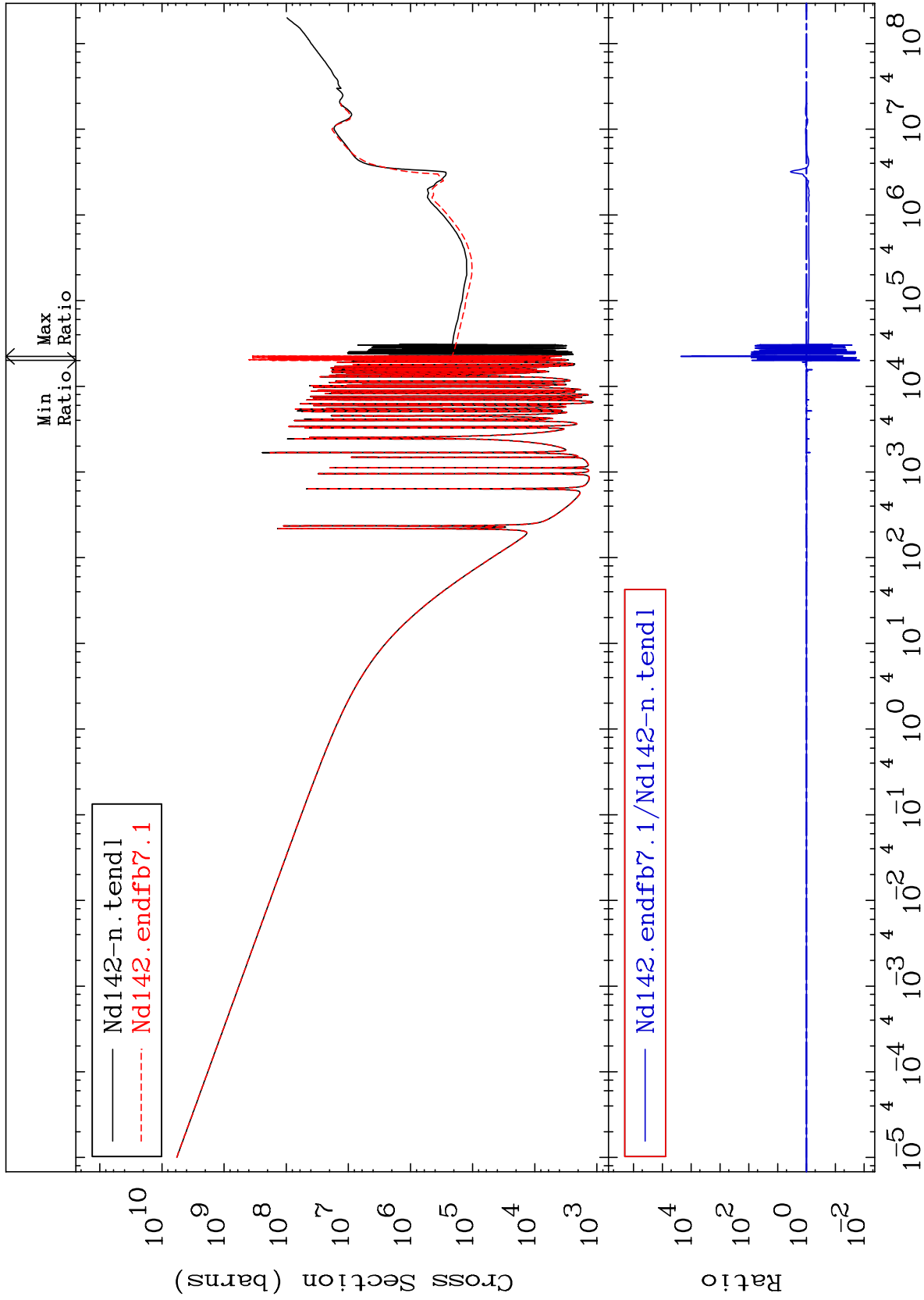
Incident Energy (eV)

60-Nd-142



Cross Section

-98.55 To 9999. %



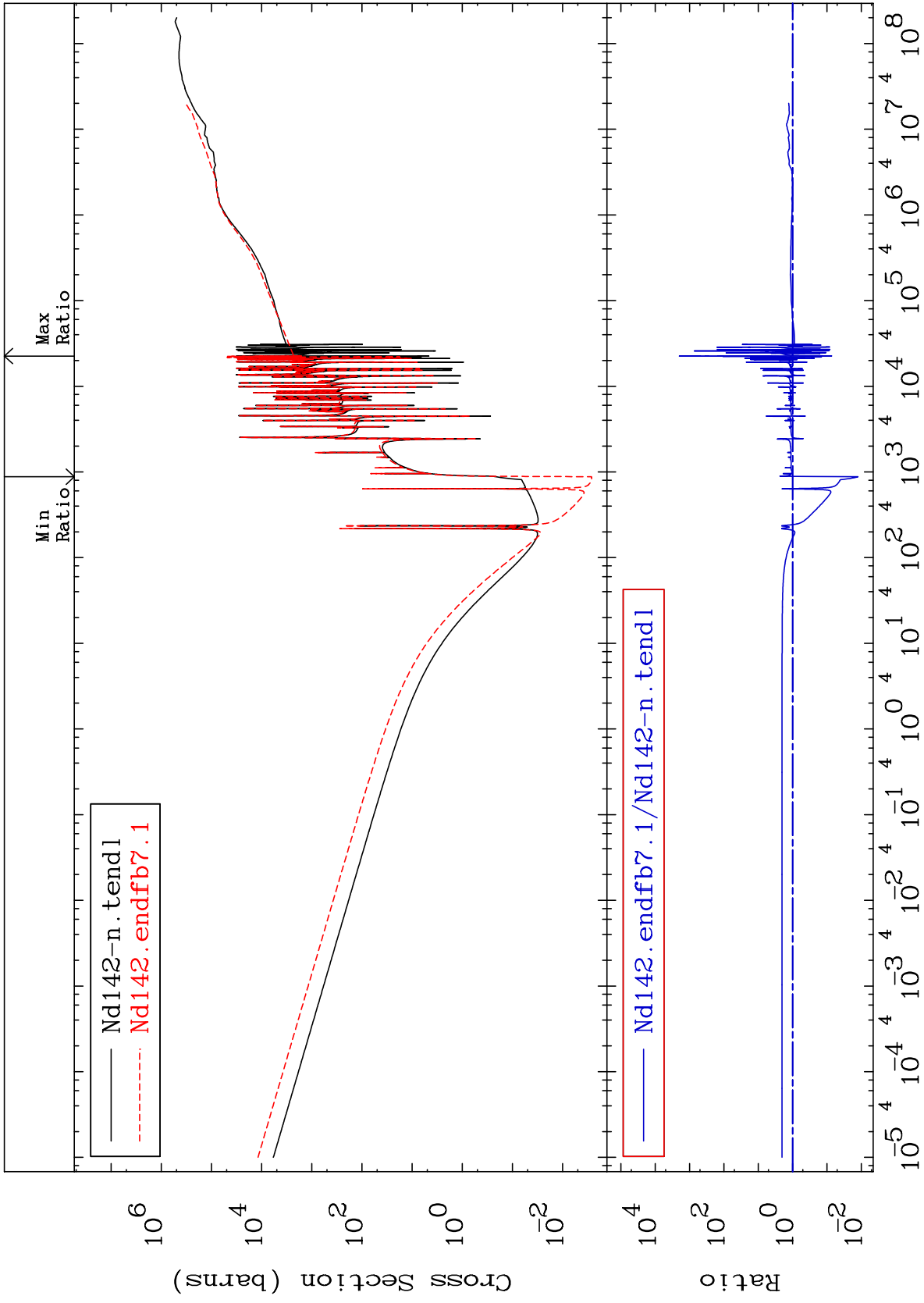
MAT 6025

Dpa total (eV-barns)

60-Nd-142

Cross Section

-98.76 To 9999. %



38

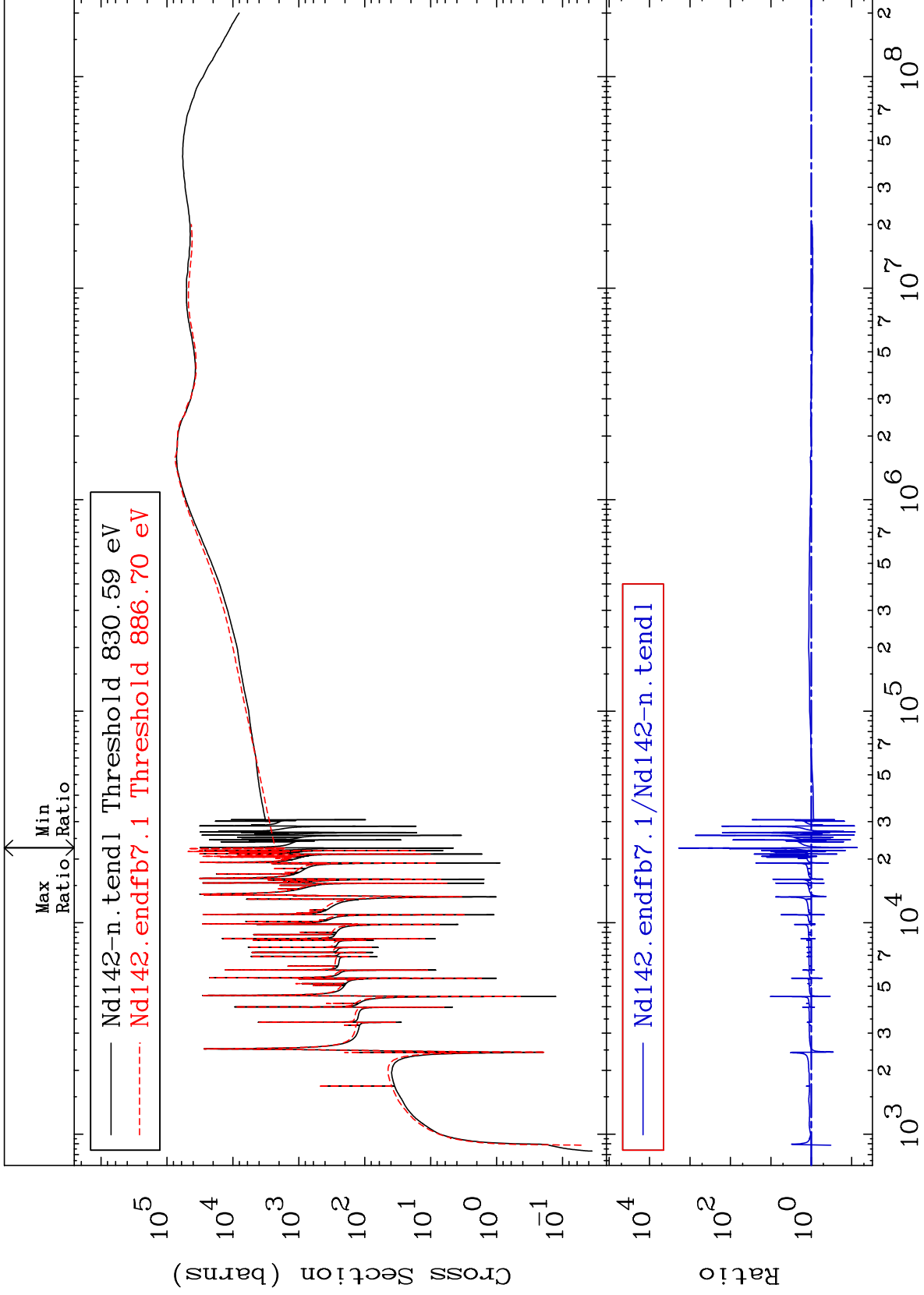
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa elastic (mt2)
Cross Section

60-Nd-142
-92.72 To 9999. %



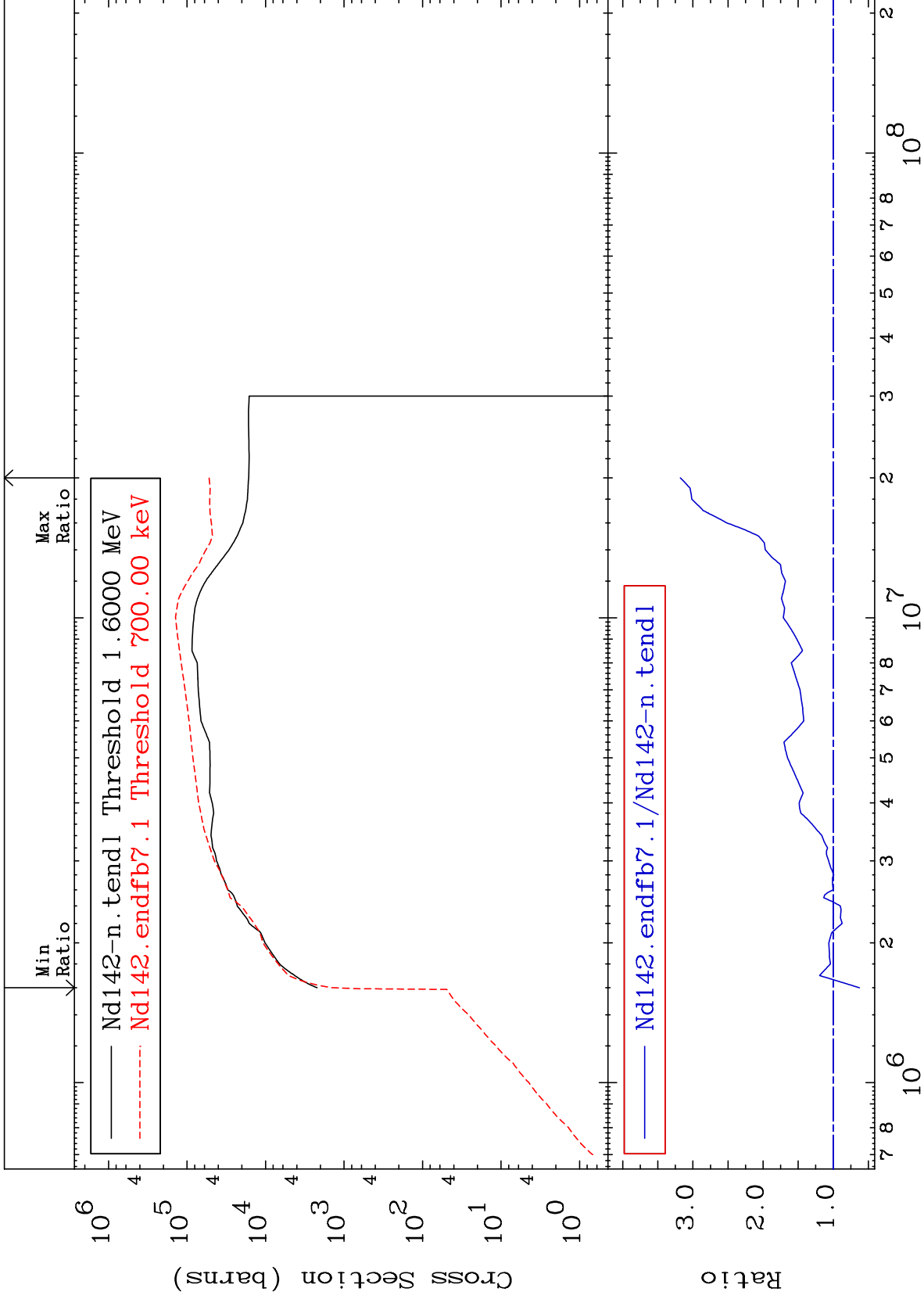
39

60-Nd-142

MAT 6025

Dpa inelastic (mt51-91)
Cross Section

60-Nd-142
-37.30 To 217.9 %



40

Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-142
-96.49 To 9999. %

