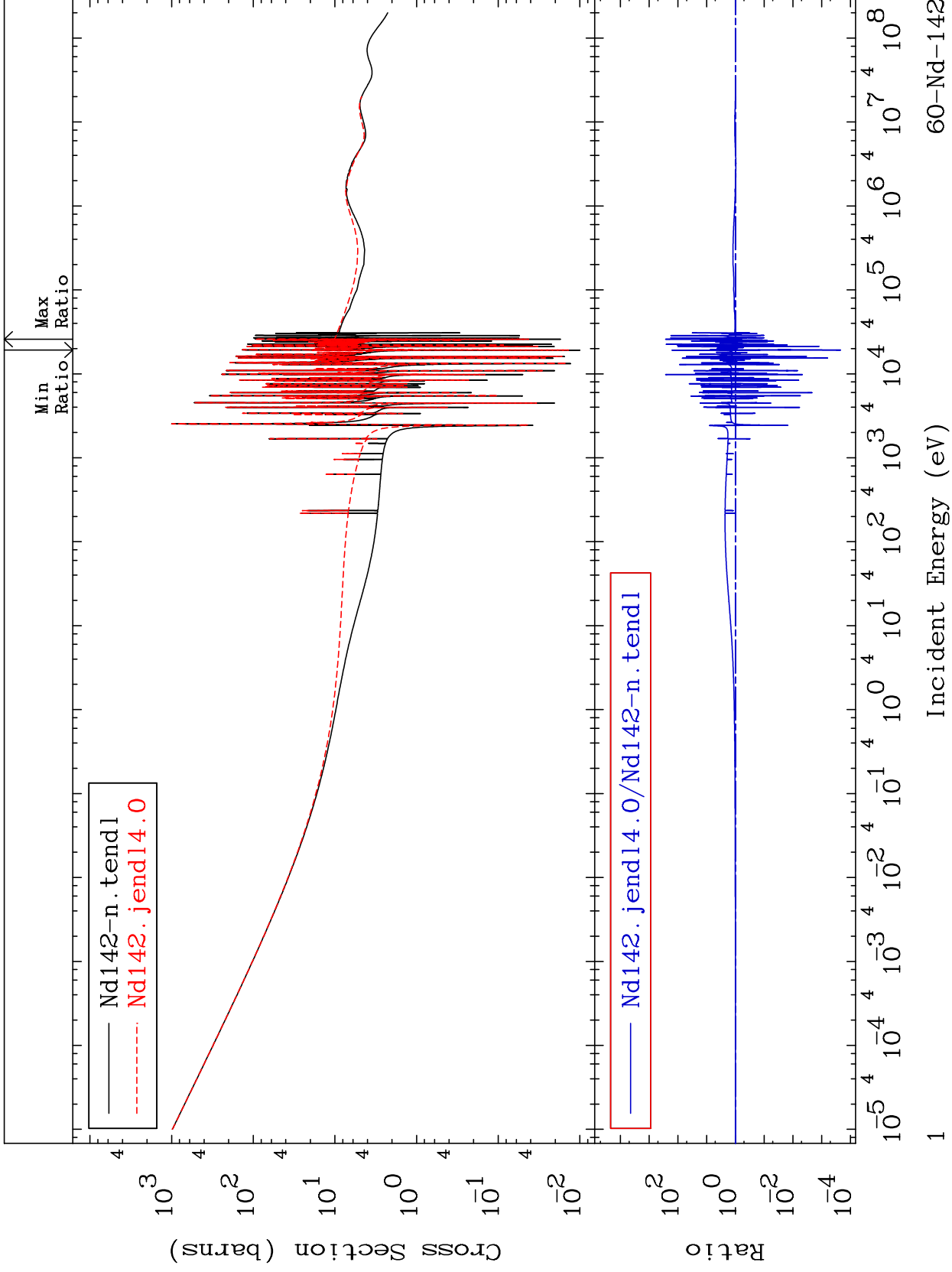


MAT 6025

Total  
Cross Section

60-Nd-142  
-99.98 To 9999. %



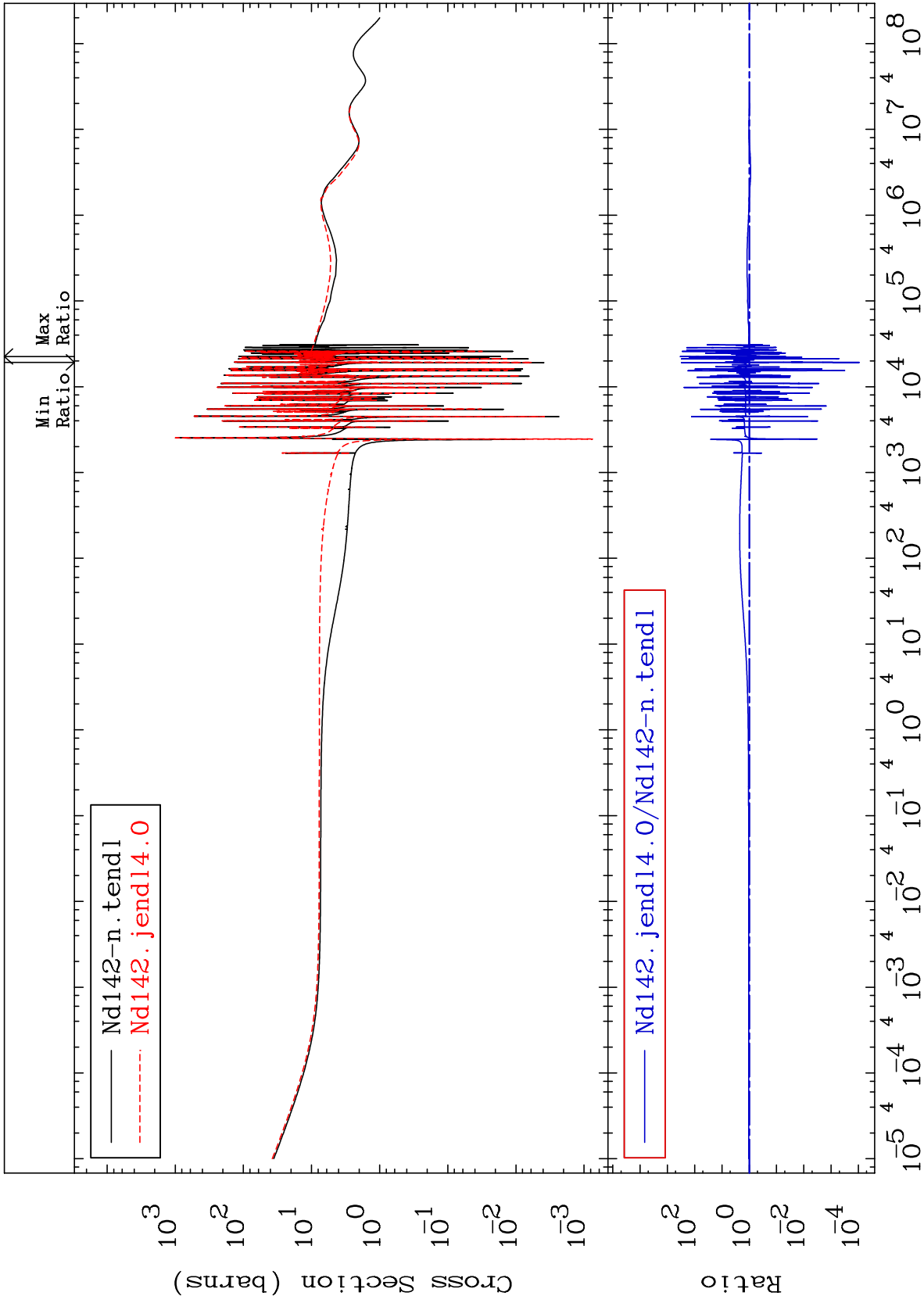
Incident Energy (eV)

60-Nd-142

MAT 6025

Elastic  
Cross Section

60-Nd-142  
-99.99 To 9999. %

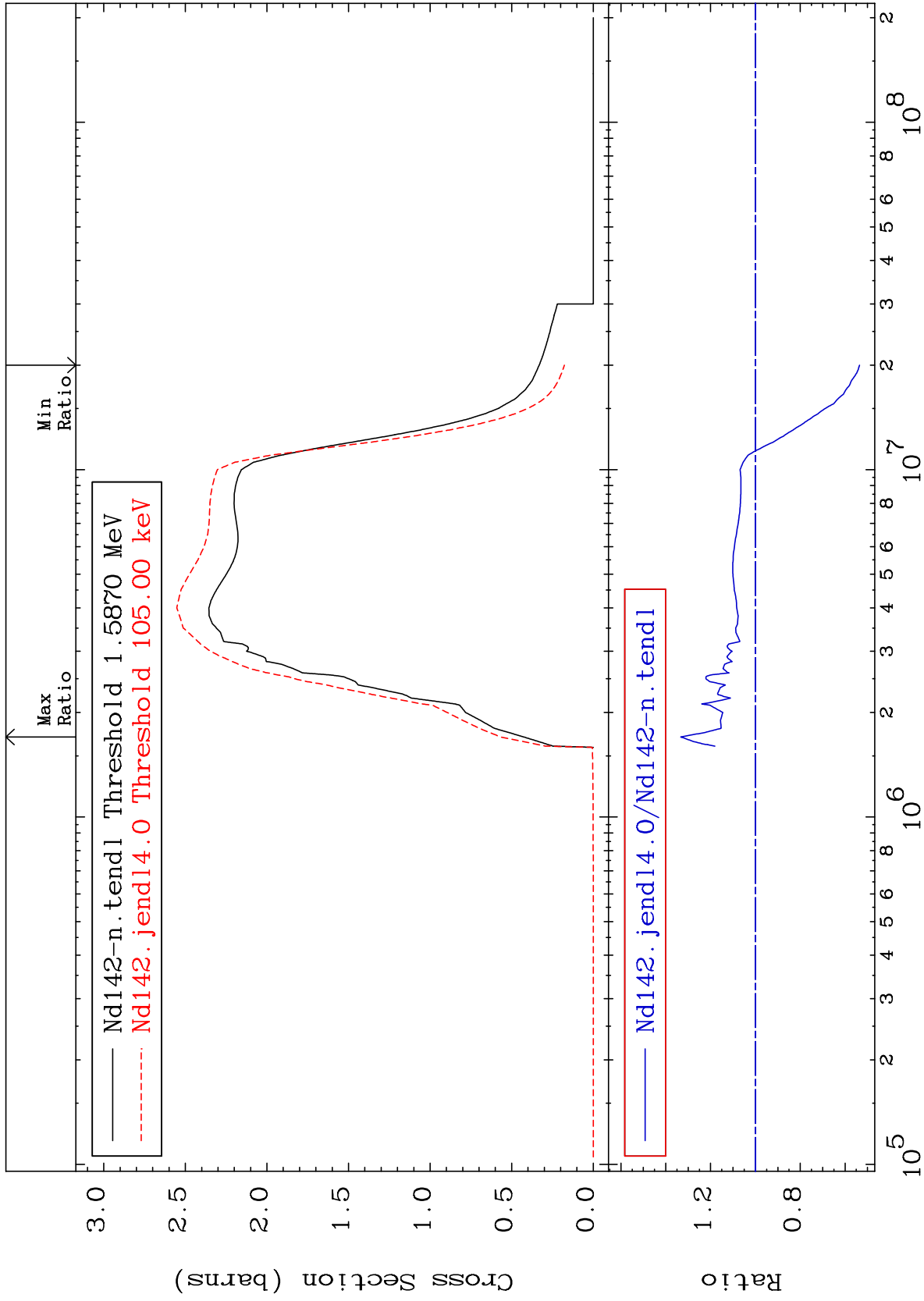


Incident Energy (eV)

60-Nd-142

MAT 6025

Inelastic Cross Section  
60-Nd-142  
-46.45 To 33.30 %

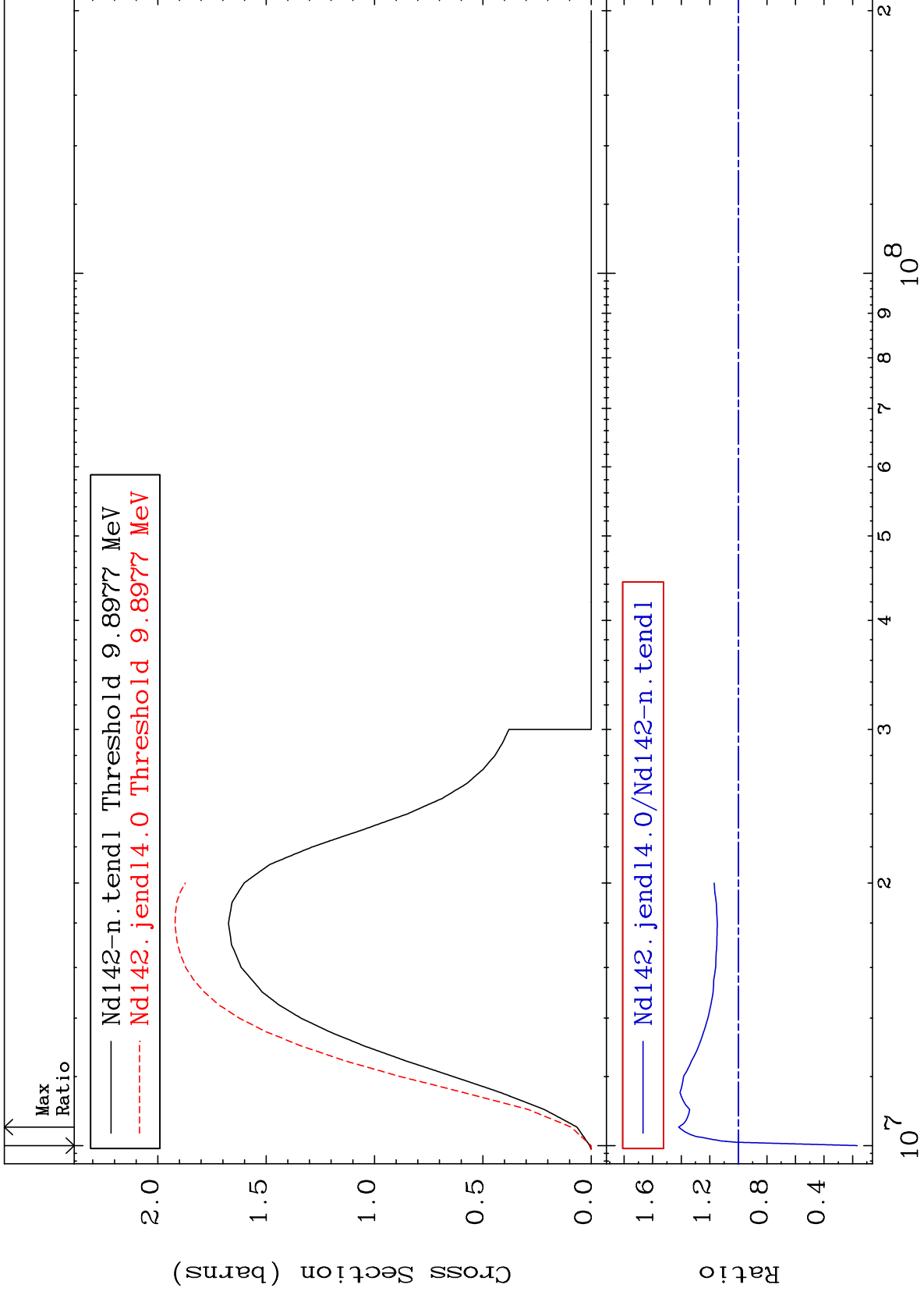


60-Nd-142

MAT 6025

(n,2n)  
Cross Section

60-Nd-142  
-83.27 To 41.79 %

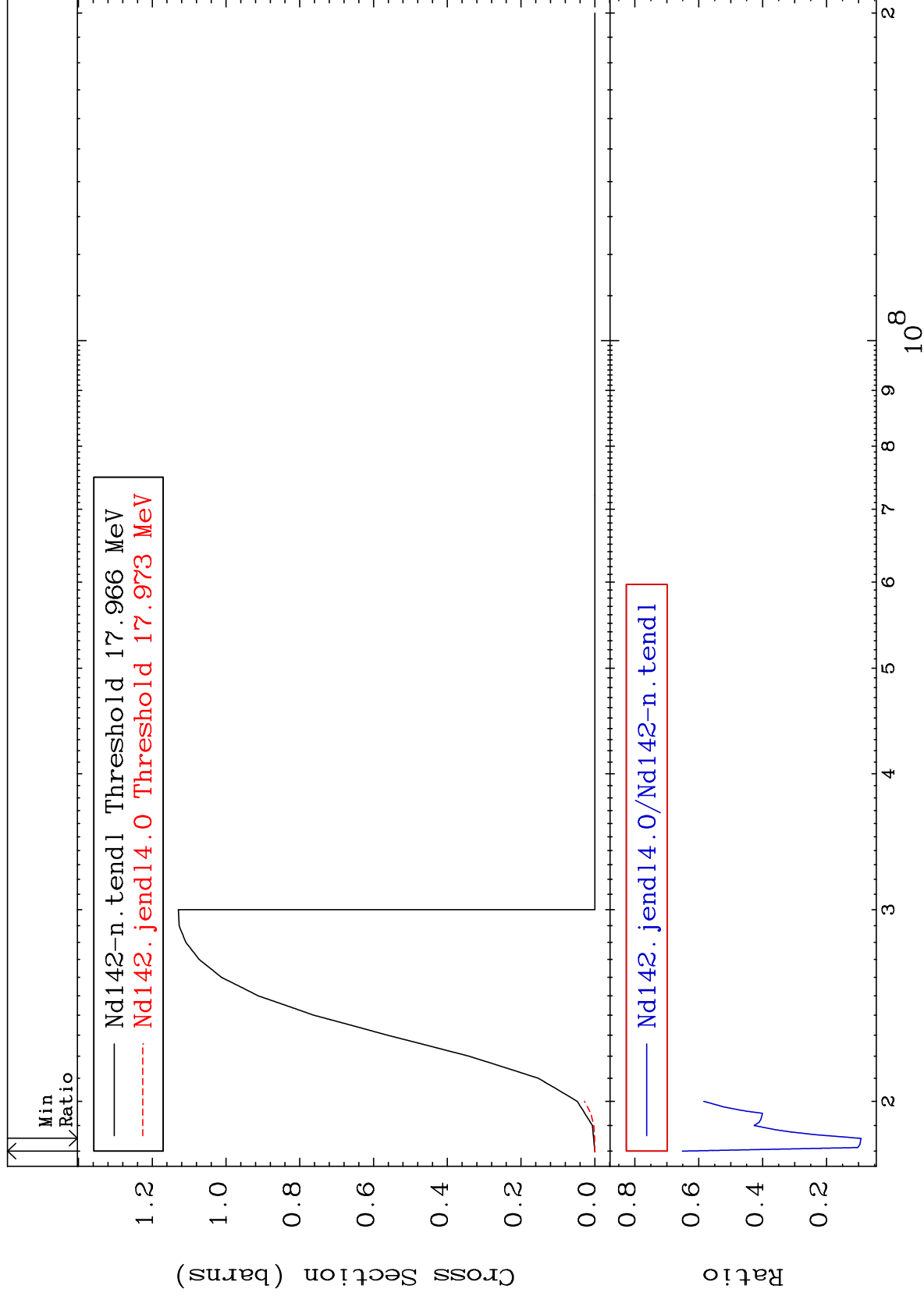


60-Nd-142

MAT 6025

(n,3n)  
Cross Section

60-Nd-142  
-90.80 To -34.85%



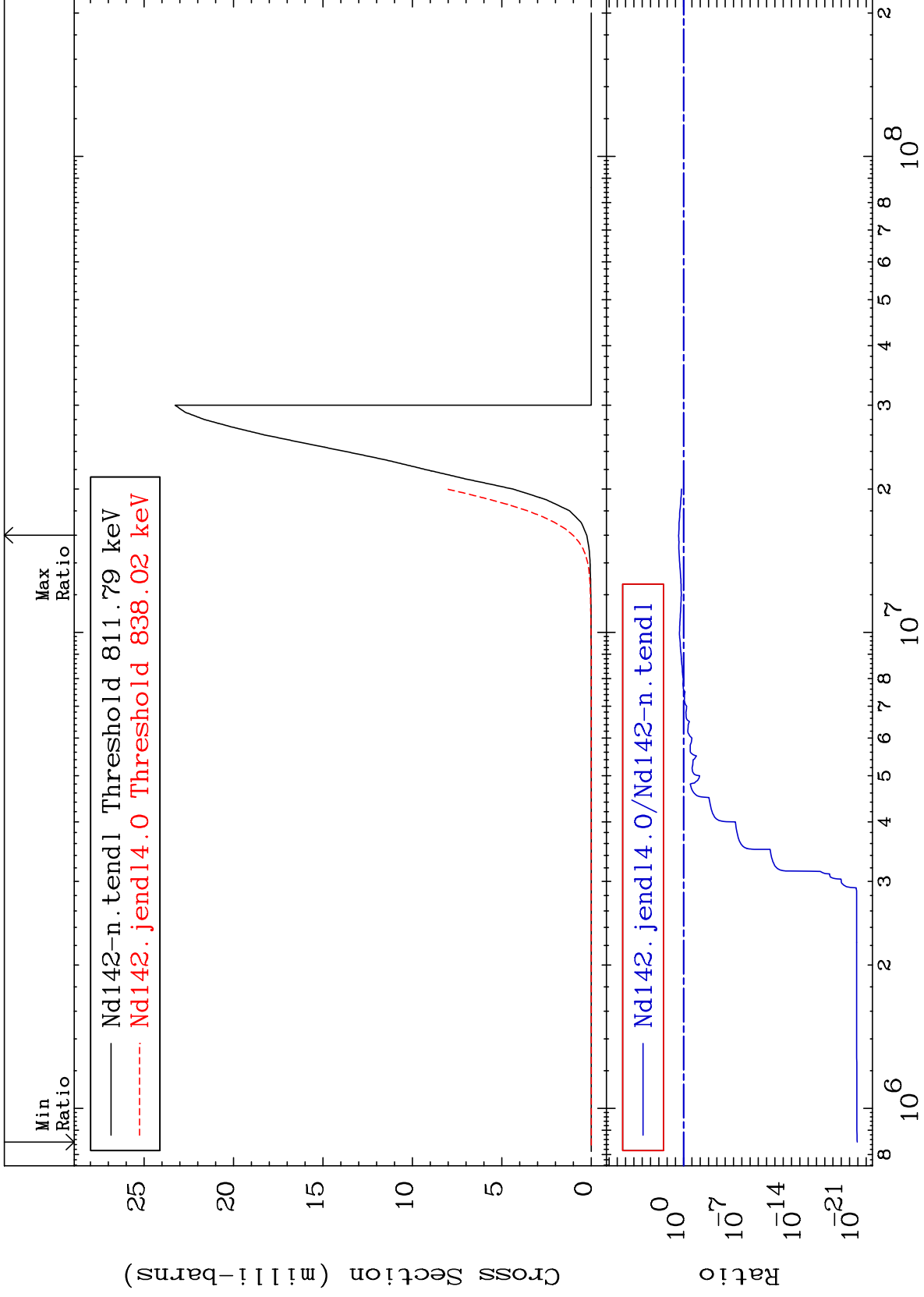
5

60-Nd-142

MAT 6025

$(n, n') \alpha$   
Cross Section

60-Nd-142  
-100.0 To 305.9 %



6

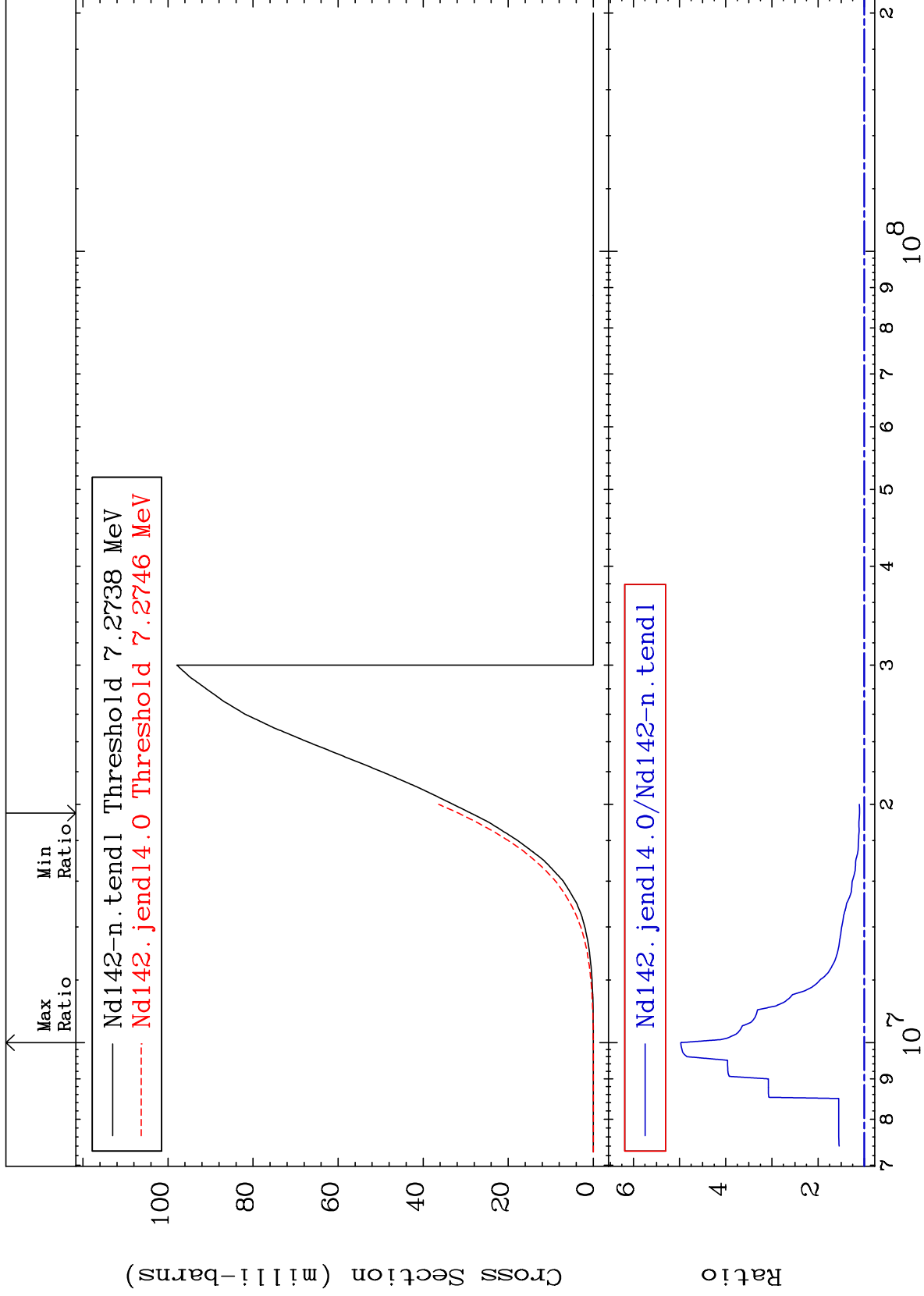
Incident Energy (eV)

60-Nd-142

MAT 6025

(n, n') p  
Cross Section

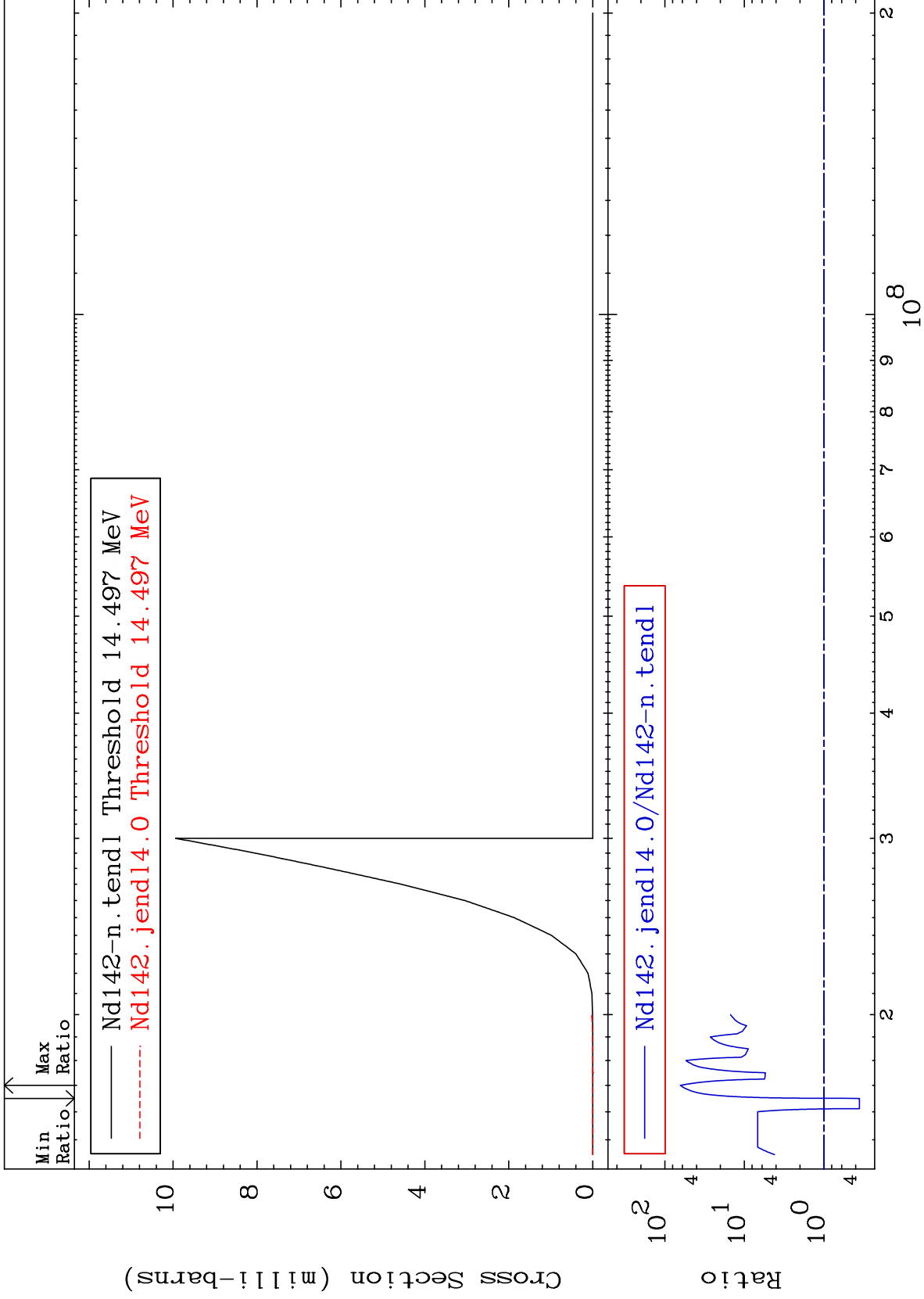
60-Nd-142  
10.14 To 397.4 %



7

Incident Energy (eV)

60-Nd-142

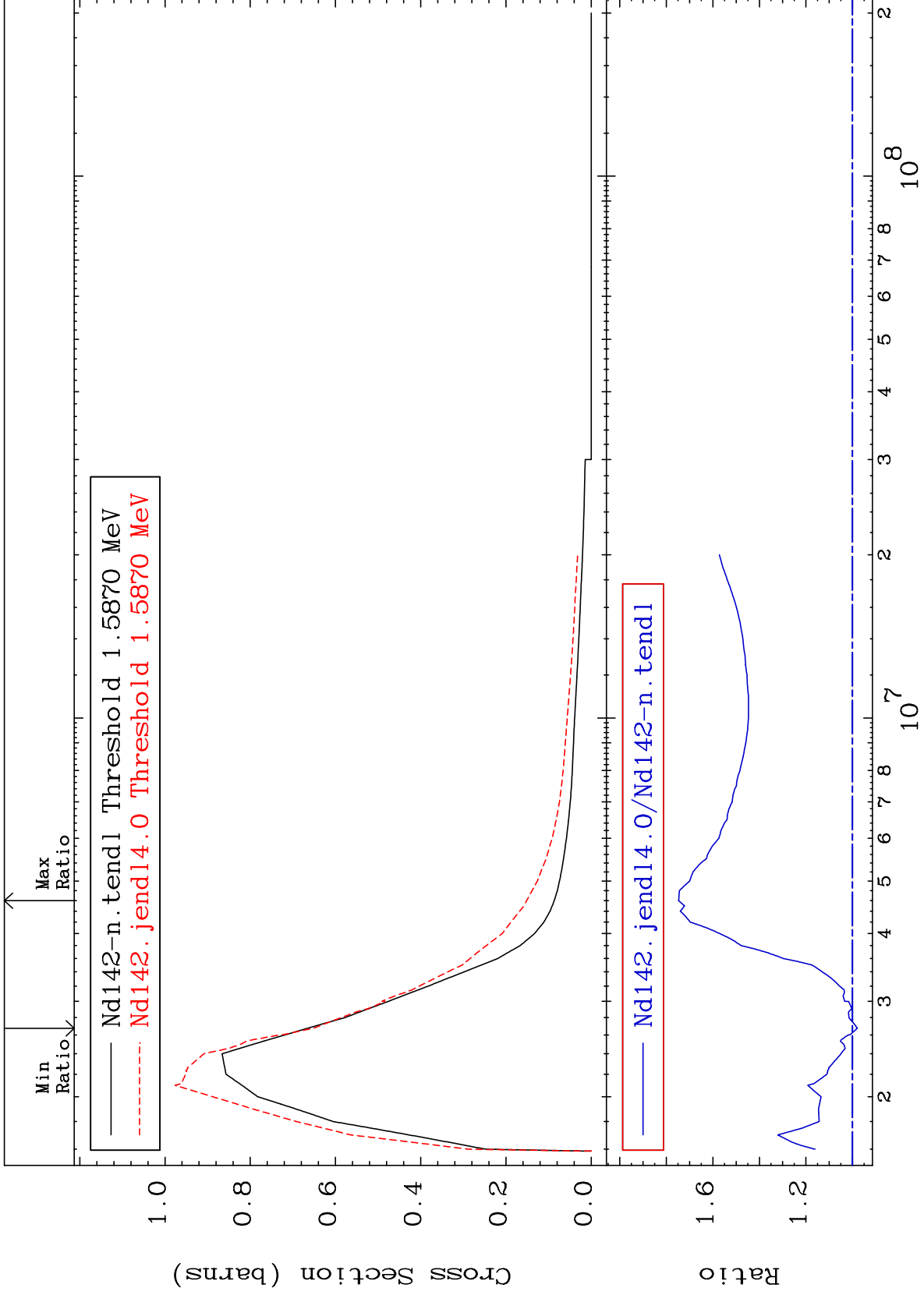




MAT 6025

1.576 MeV (n,n') Level  
Cross Section

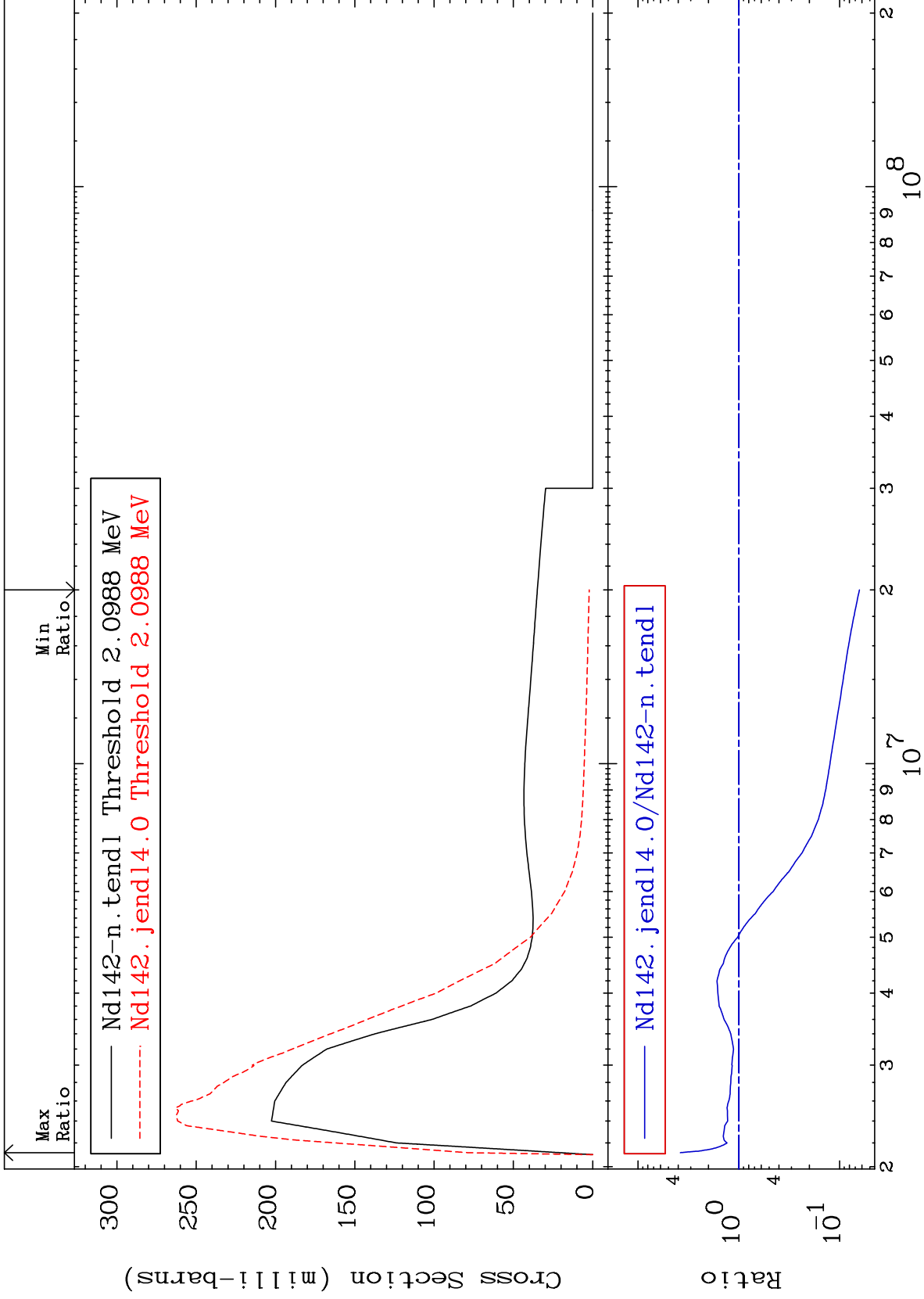
60-Nd-142  
-2.057 To 74.72 %



MAT 6025

2.084 MeV (n,n') Level  
Cross Section

60-Nd-142  
-93.64 To 280.6 %

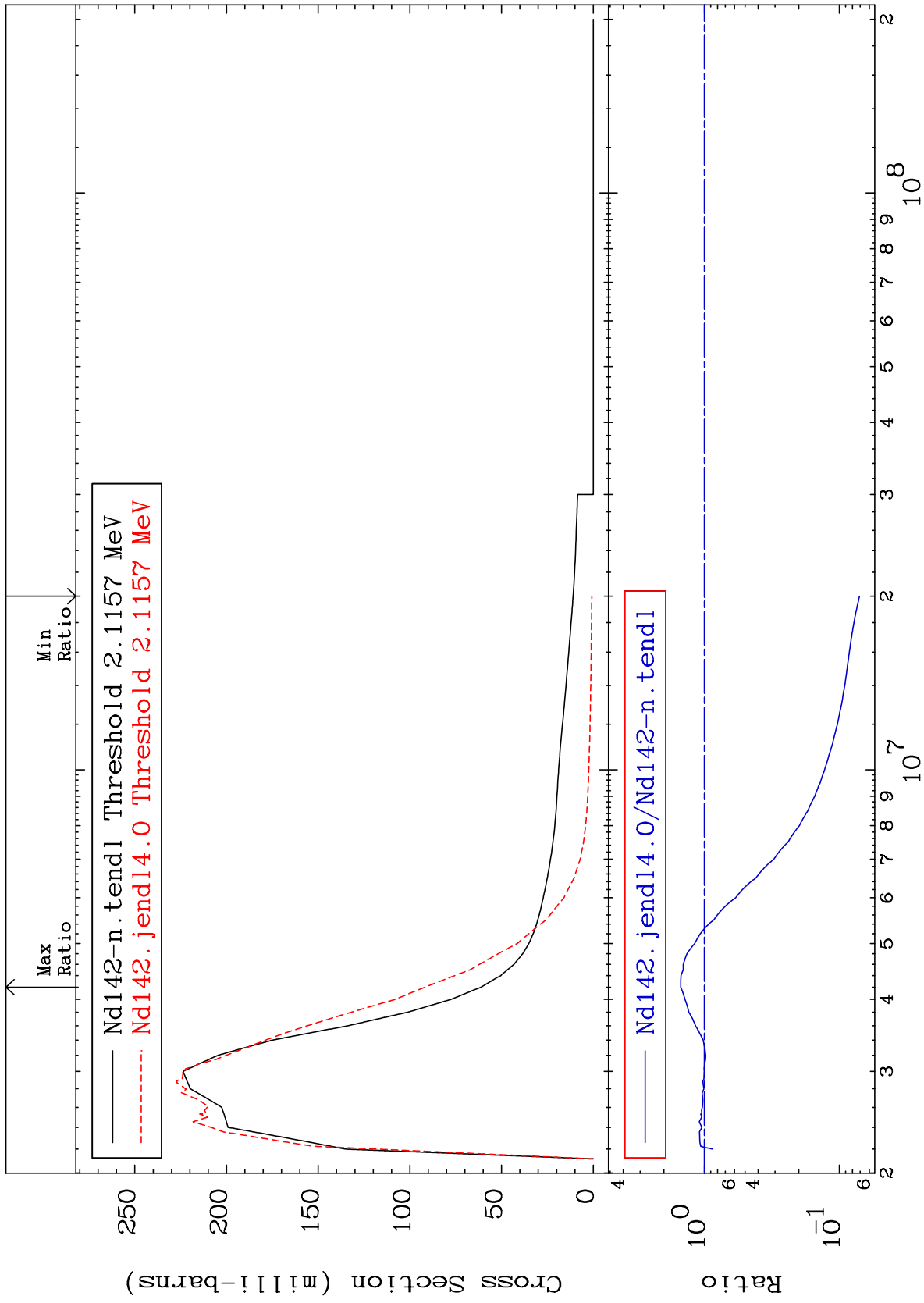


10

Incident Energy (eV)

60-Nd-142

MAT 6025 60-Nd-142  
-92.92 To 49.80 %  
 2.101 MeV (n,n') Level  
 Cross Section



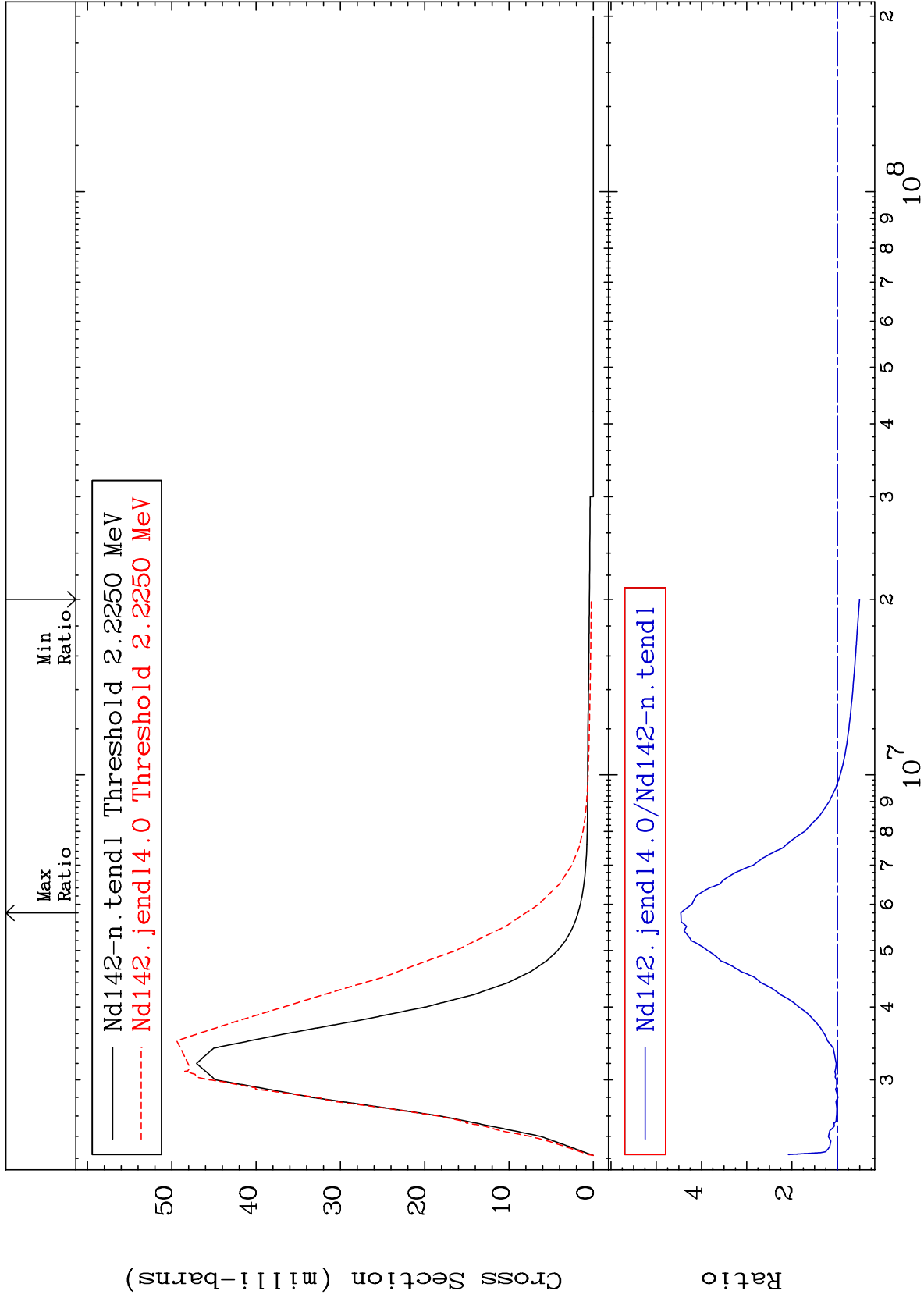
MAT 6025

2.209 MeV (n,n') Level

60-Nd-142

-49.44 To 345.7 %

Cross Section



12

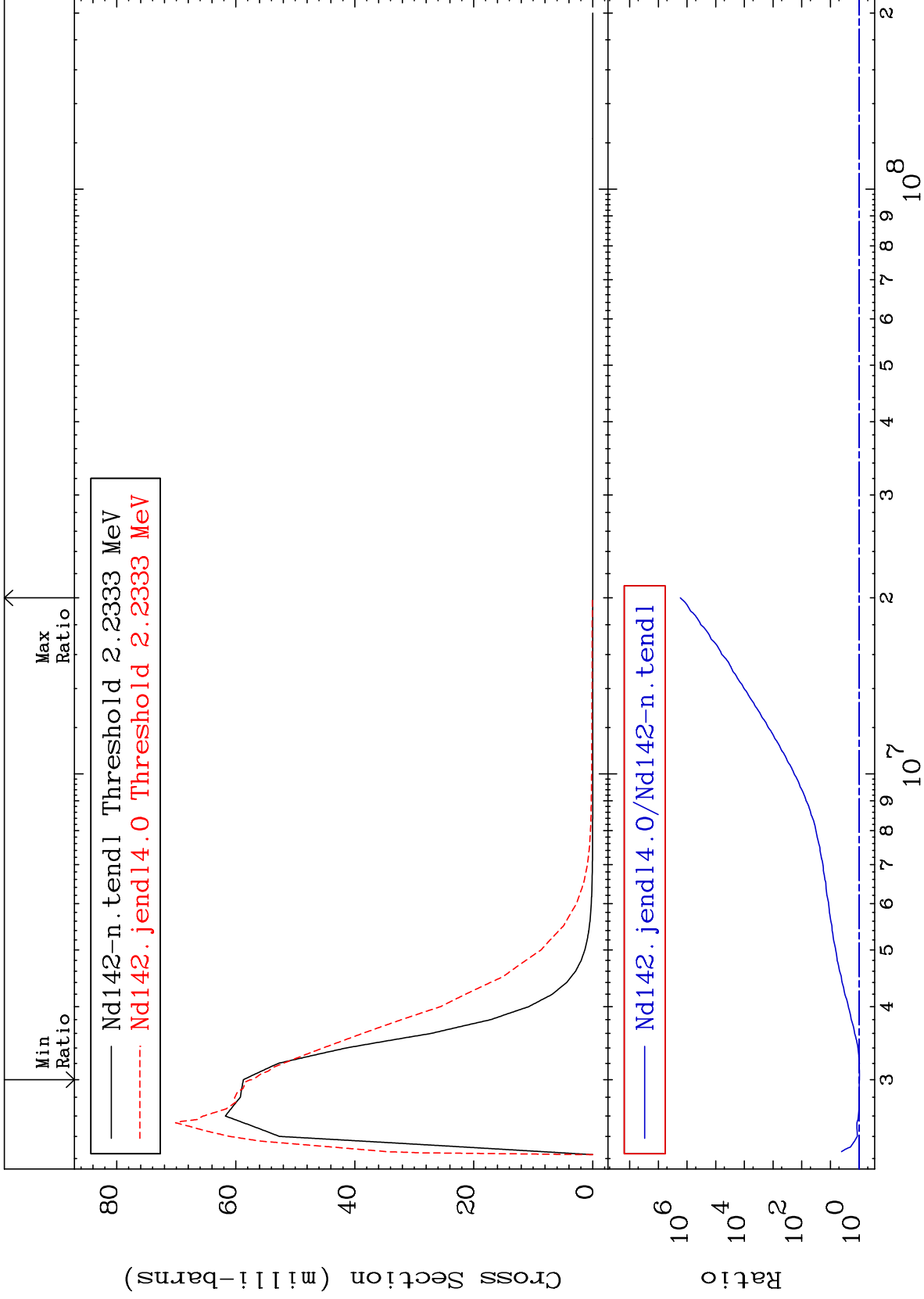
Incident Energy (eV)

60-Nd-142

MAT 6025

2.217 MeV (n,n') Level  
Cross Section

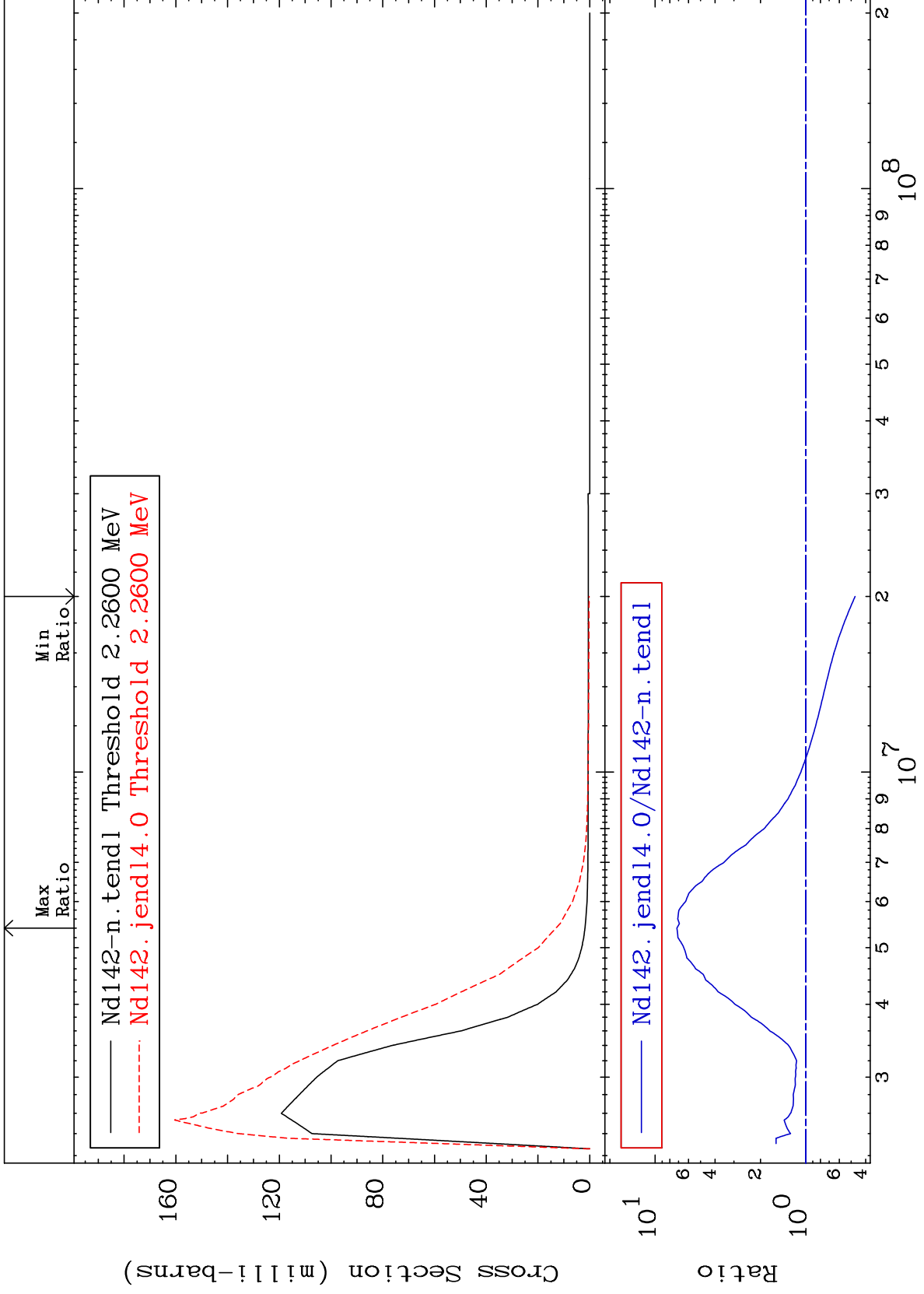
60-Nd-142  
-2.384 To 9999. %



MAT 6025

2.244 MeV (n,n') Level  
Cross Section

60-Nd-142  
-52.91 To 617.1 %



14

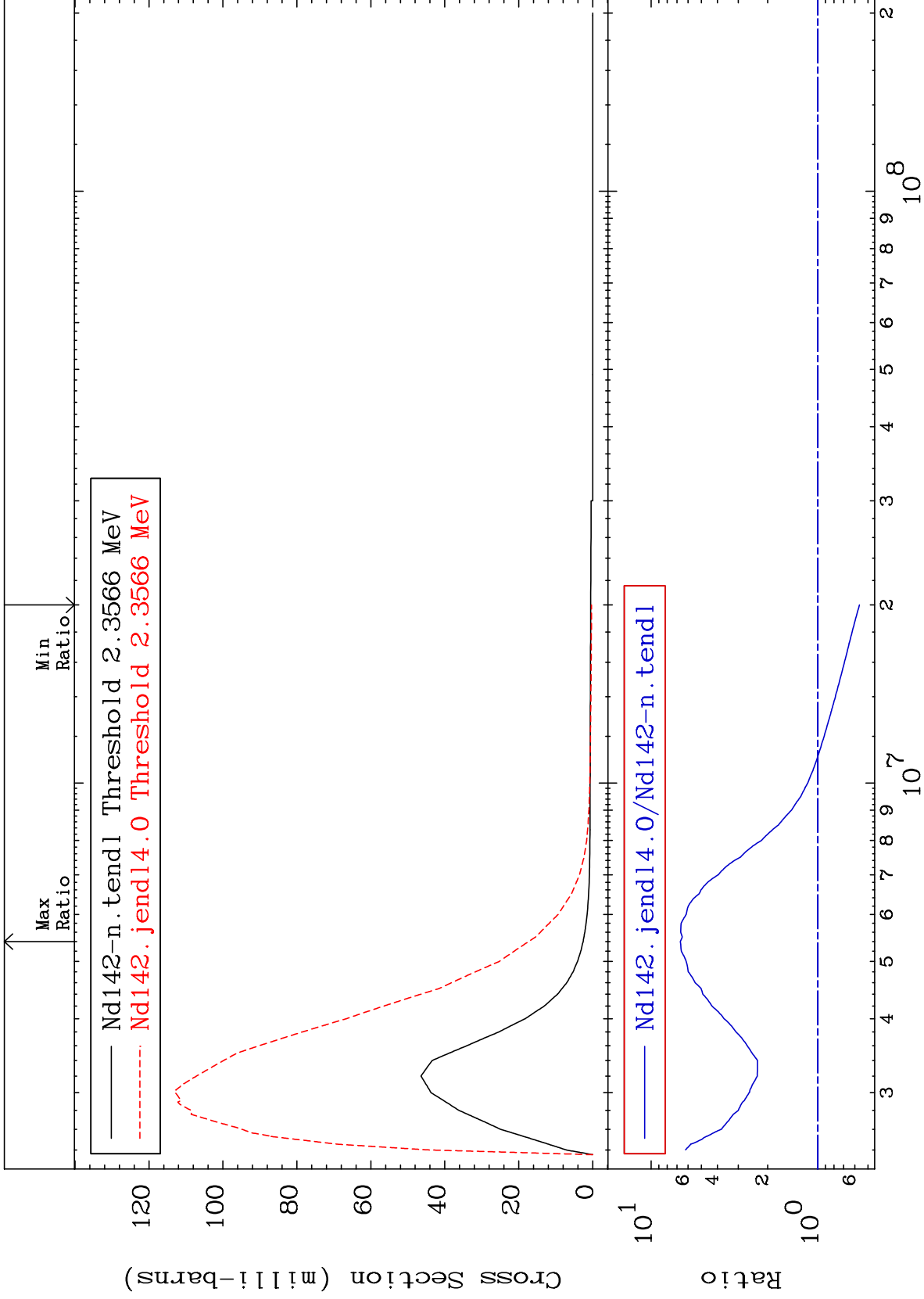
Incident Energy (eV)

60-Nd-142

MAT 6025

2.340 MeV (n,n') Level  
Cross Section

60-Nd-142  
-43.71 To 567.7 %



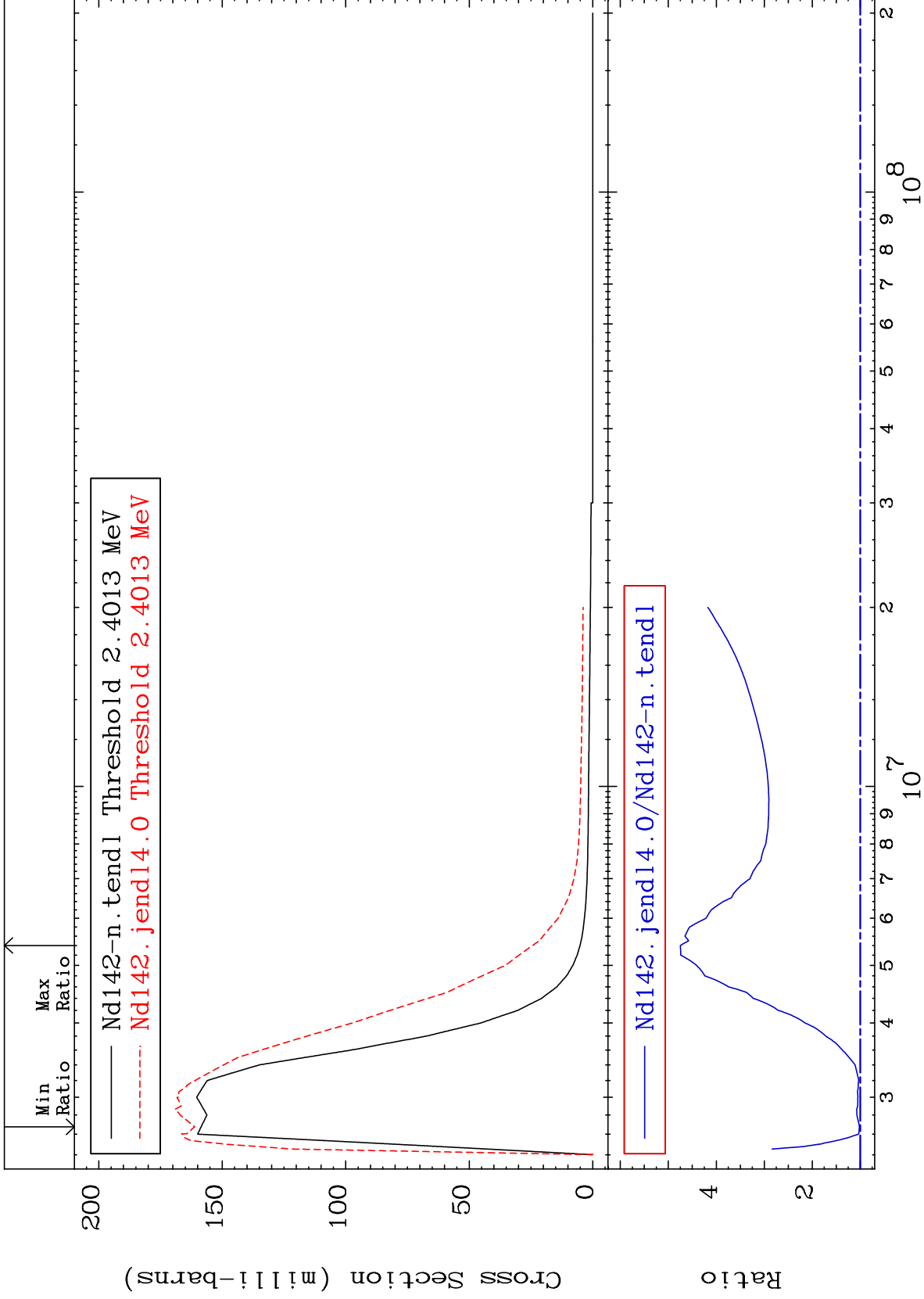
15

60-Nd-142

MAT 6025

2.384 MeV (n,n') Level  
Cross Section

60-Nd-142  
1.654 To 374.9 %



16

Incident Energy (eV)

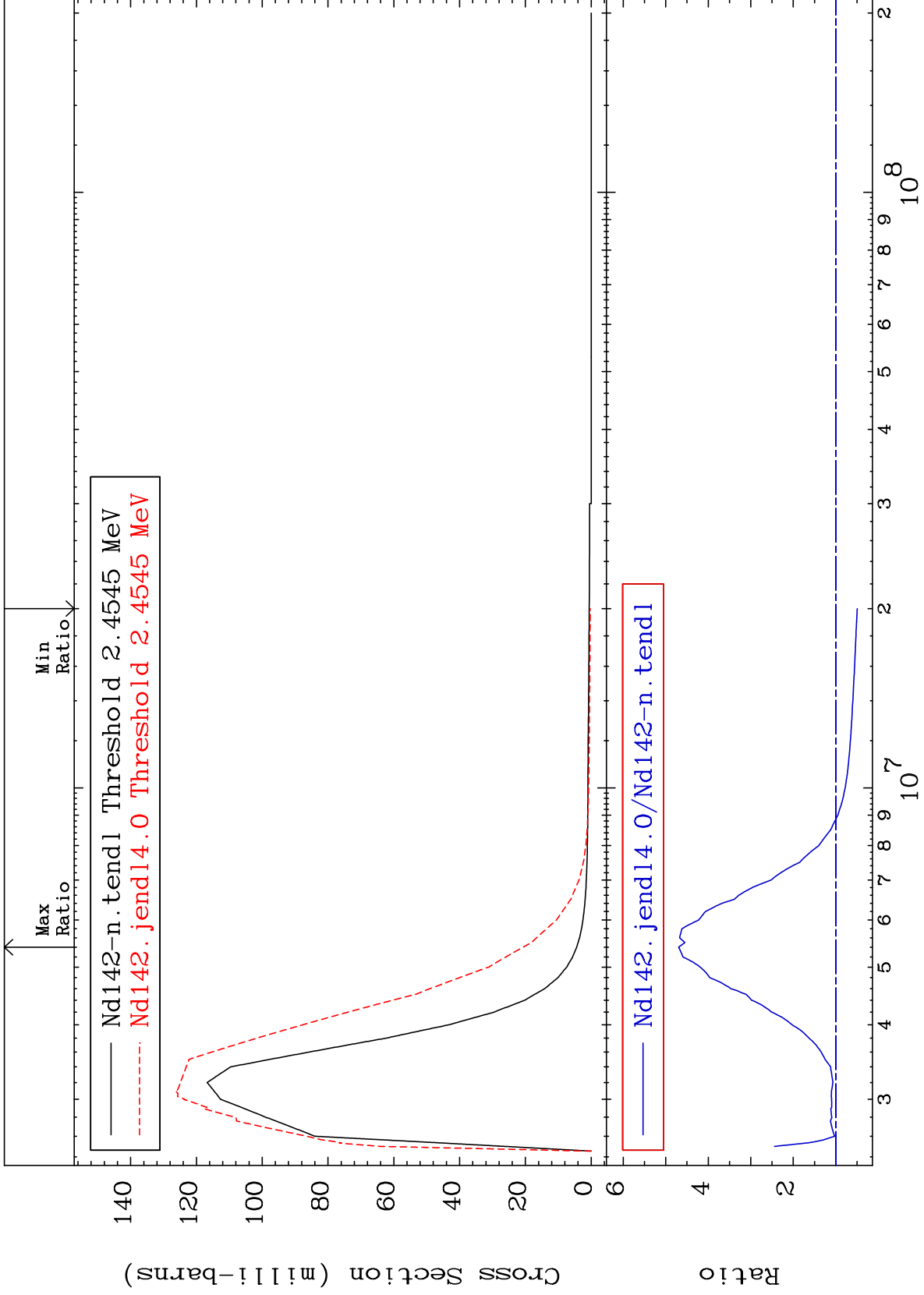
60-Nd-142



MAT 6025

2.437 MeV (n,n') Level  
Cross Section

60-Nd-142  
-50.45 To 369.7 %



17

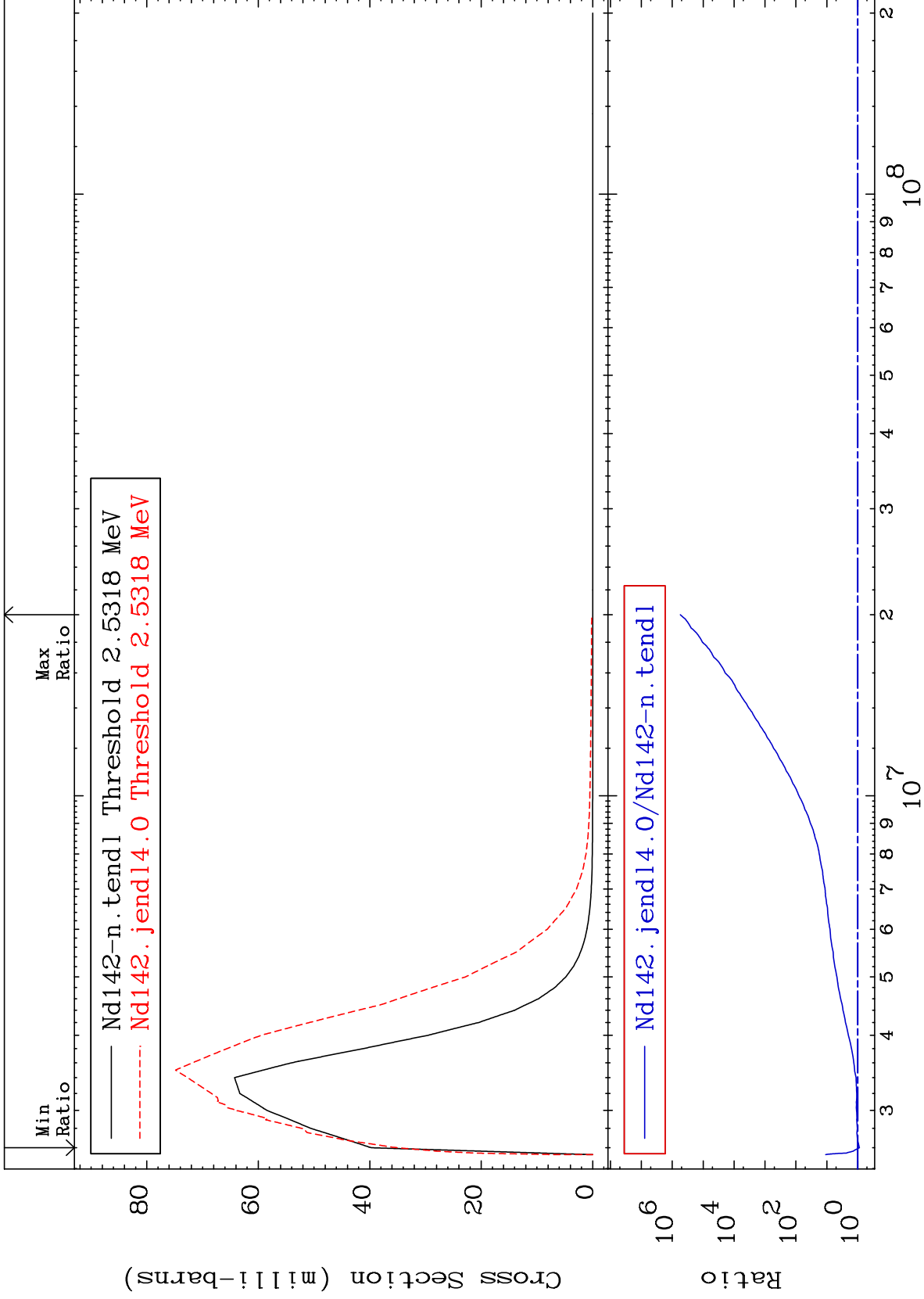
Incident Energy (eV)

60-Nd-142

MAT 6025

2.514 MeV (n,n') Level  
Cross Section

60-Nd-142  
-11.99 To 9999. %



18

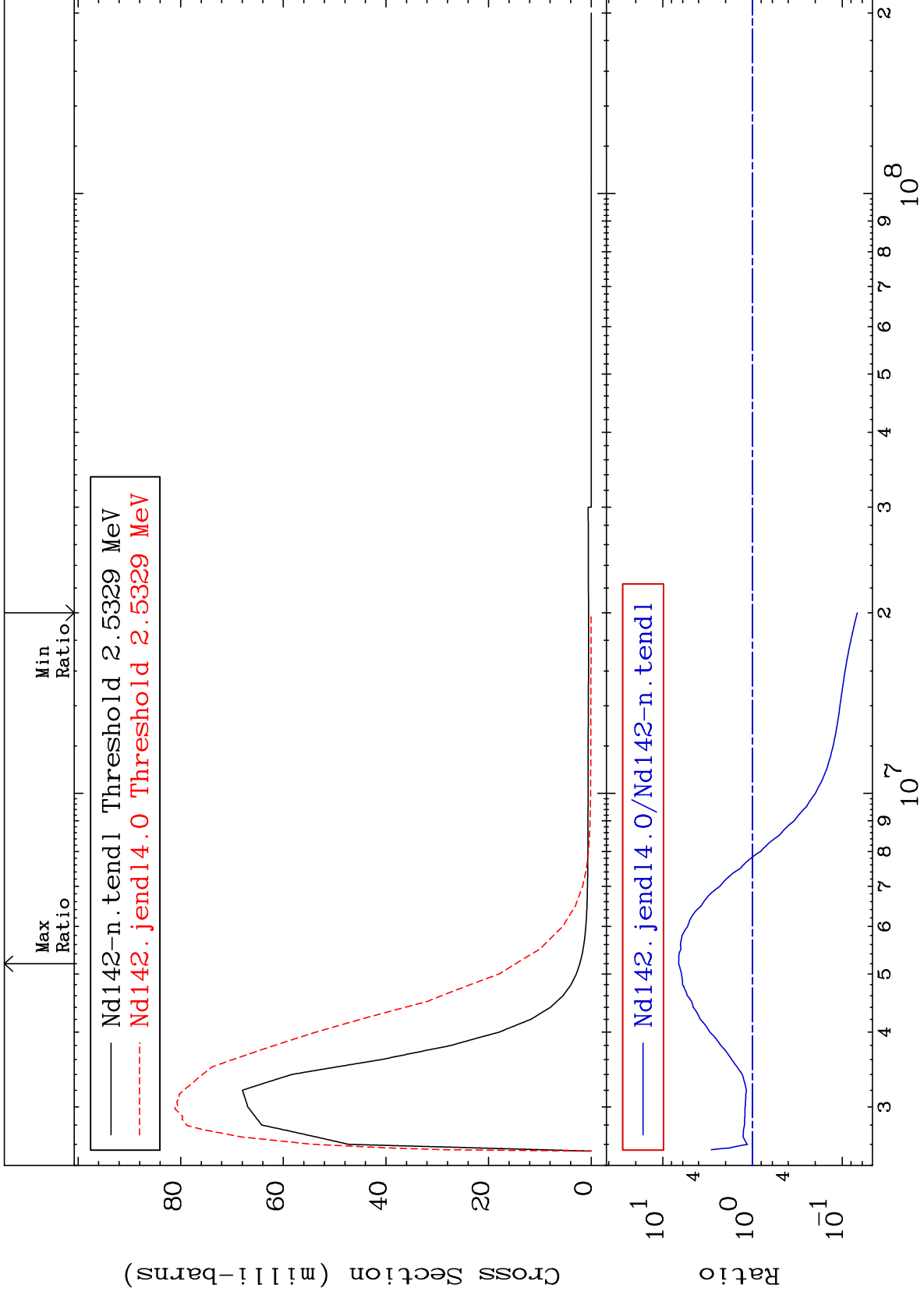
Incident Energy (eV)

60-Nd-142

MAT 6025

2.515 MeV (n,n') Level  
Cross Section

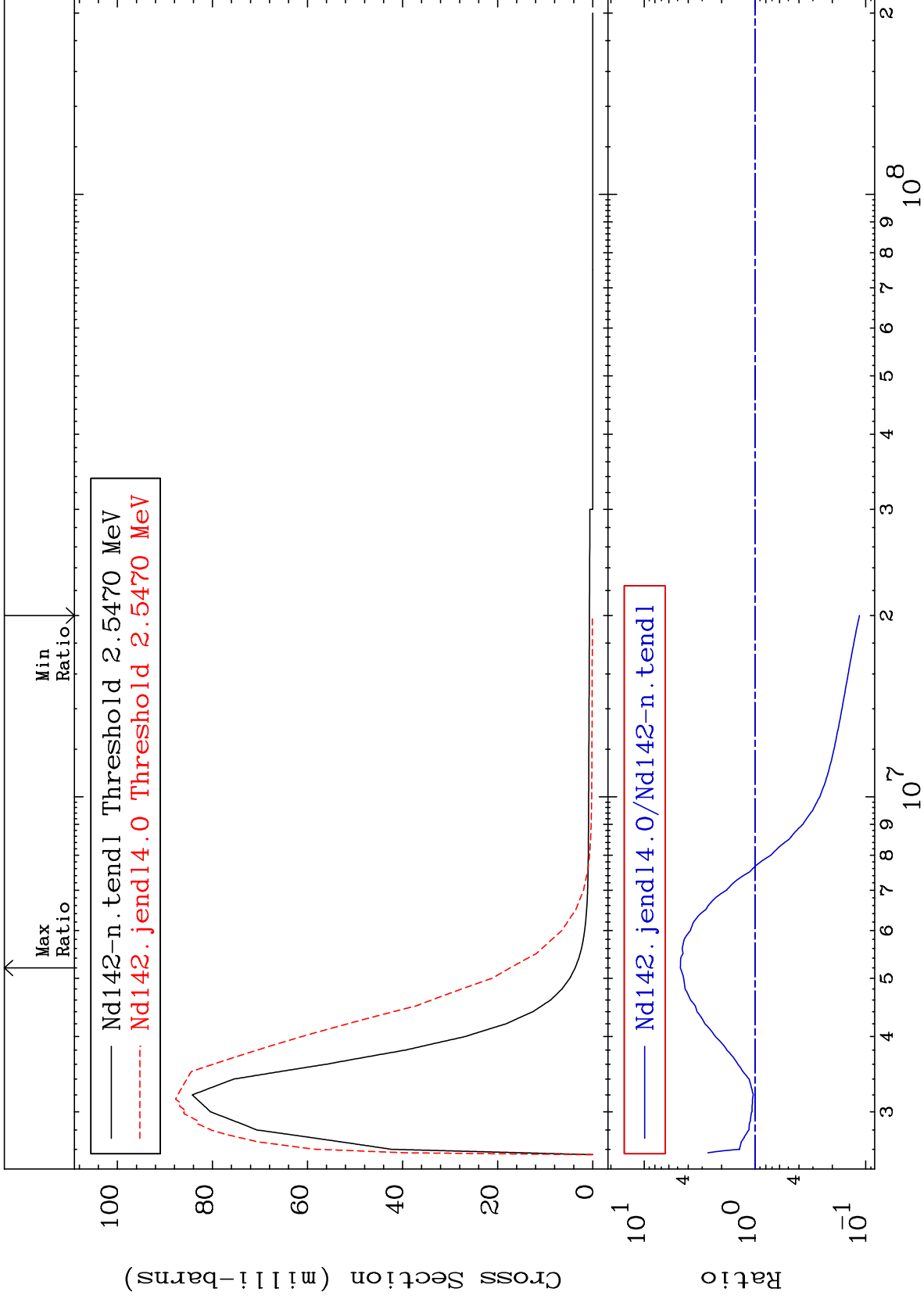
60-Nd-142  
-93.19 To 565.4 %



MAT 6025

2.529 MeV (n,n') Level  
Cross Section

60-Nd-142  
-88.59 To 371.6 %



20

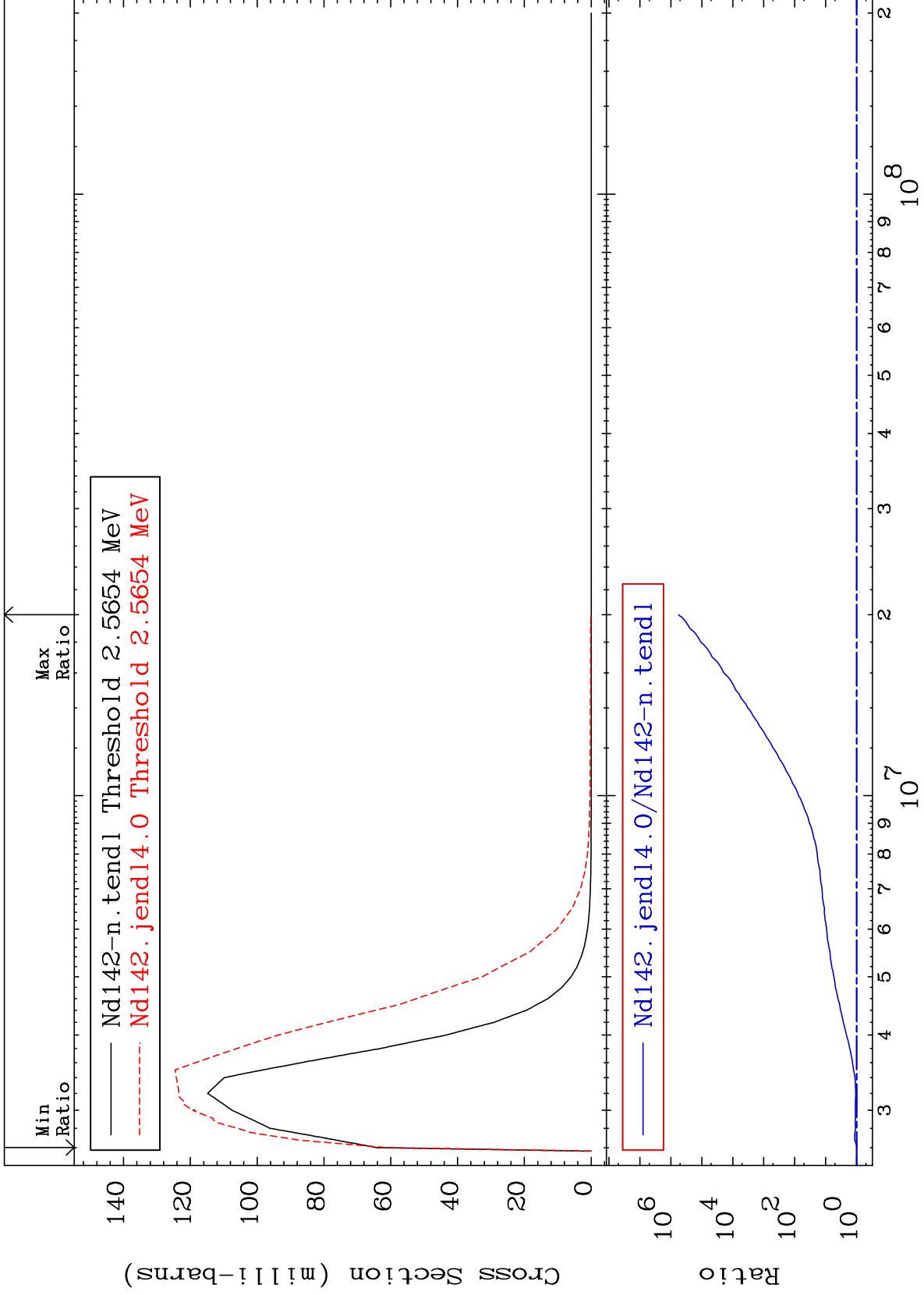
Incident Energy (eV)

60-Nd-142

MAT 6025

2.547 MeV (n,n') Level  
Cross Section

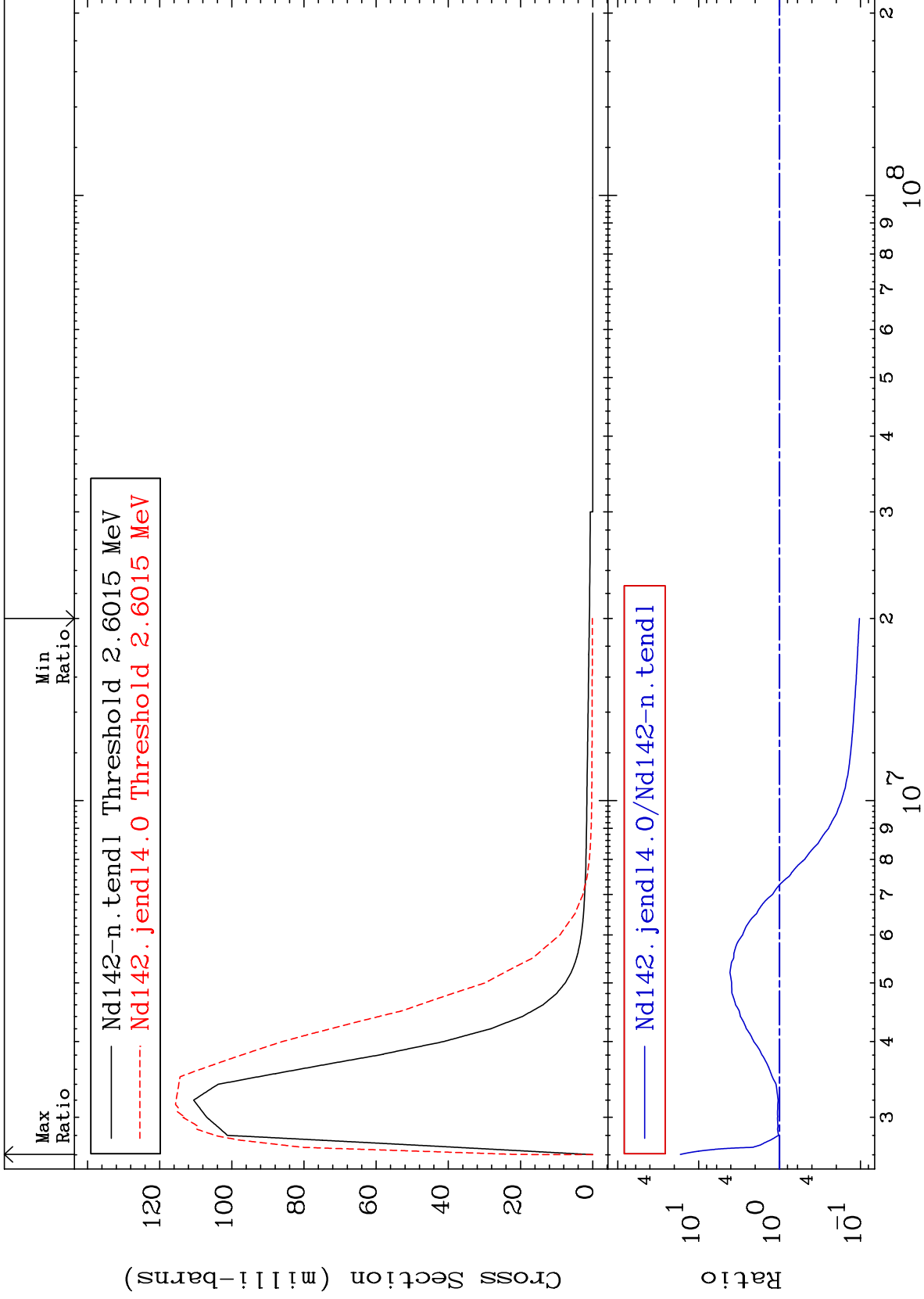
60-Nd-142  
-4.077 To 9999. %



MAT 6025

2.583 MeV (n,n') Level  
Cross Section

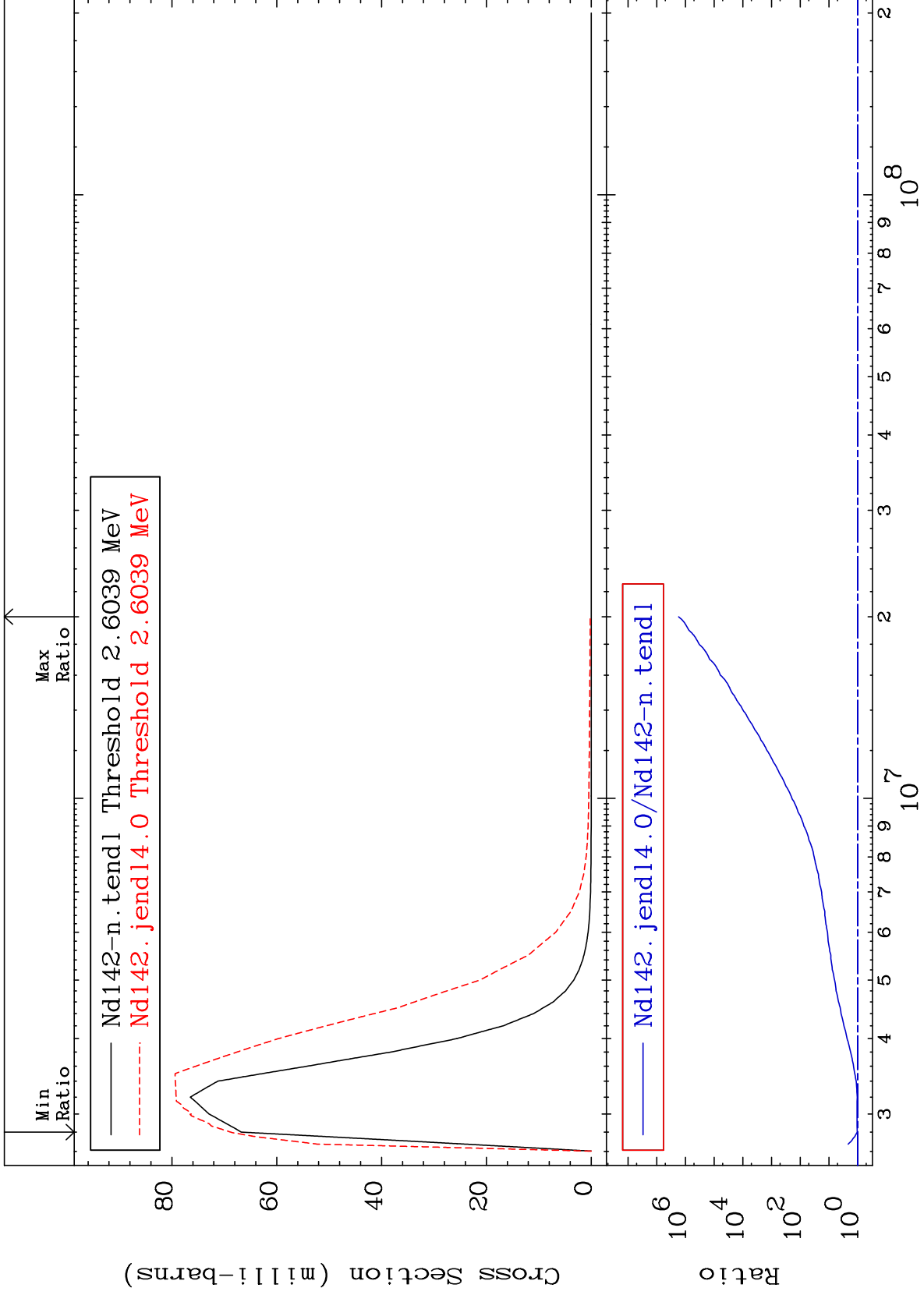
60-Nd-142  
-89.68 To 1582. %



MAT 6025

2.586 MeV (n,n') Level  
Cross Section

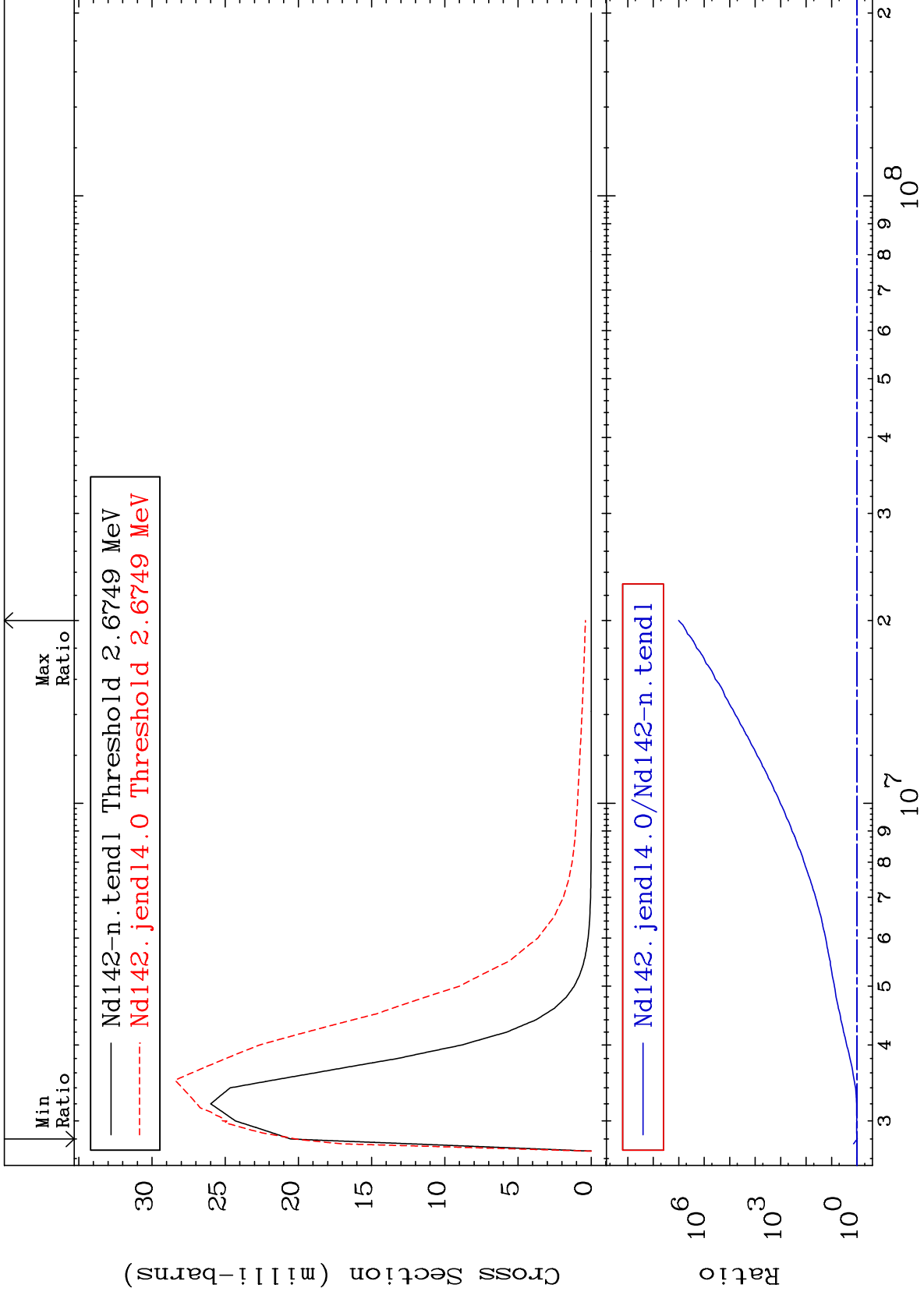
60-Nd-142  
3.052 To 9999. %



MAT 6025

2.656 MeV (n,n') Level  
Cross Section

60-Nd-142  
-1.883 To 9999. %





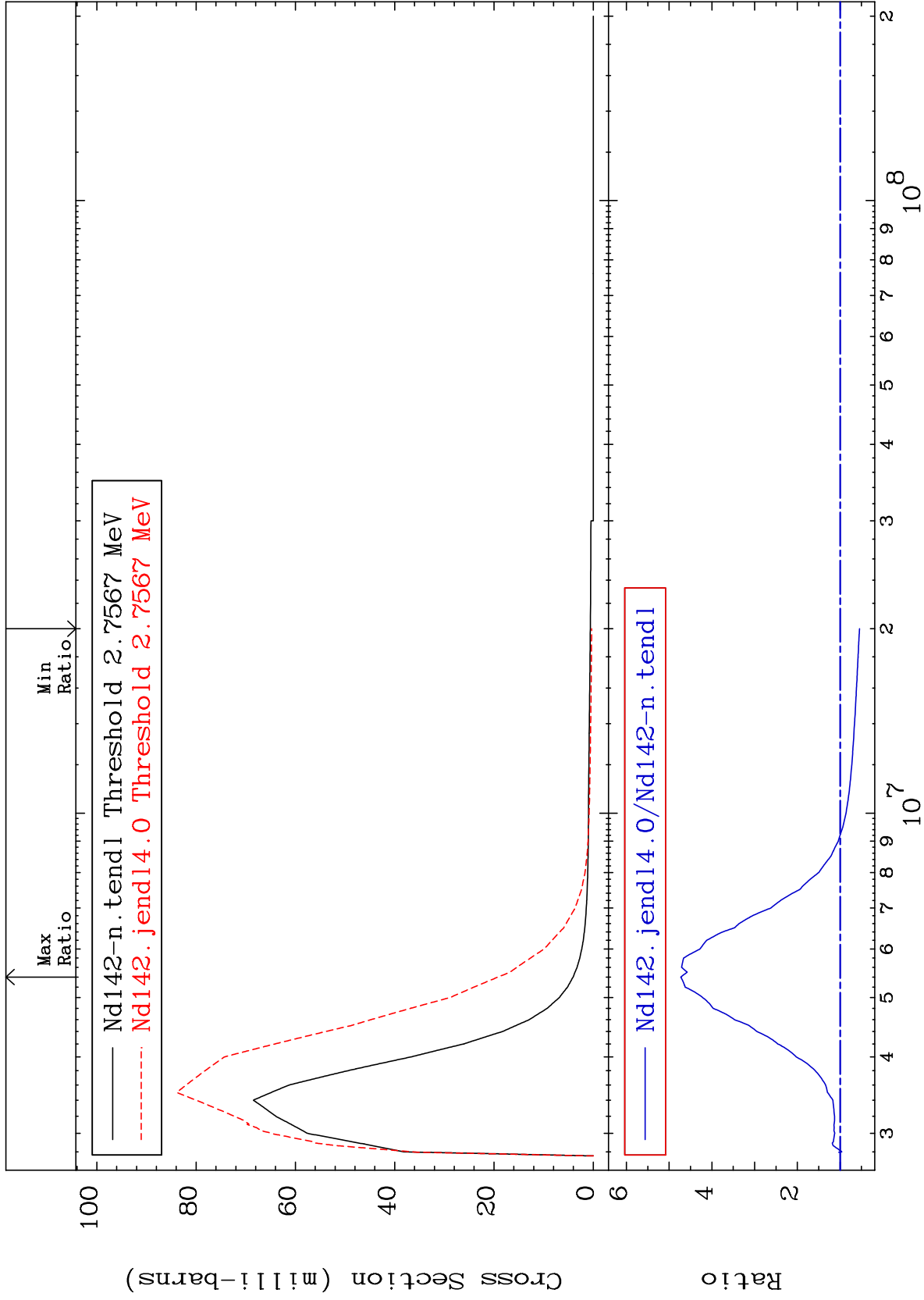
MAT 6025

2.737 MeV (n,n') Level

60-Nd-142

-45.46 To 372.8 %

Cross Section



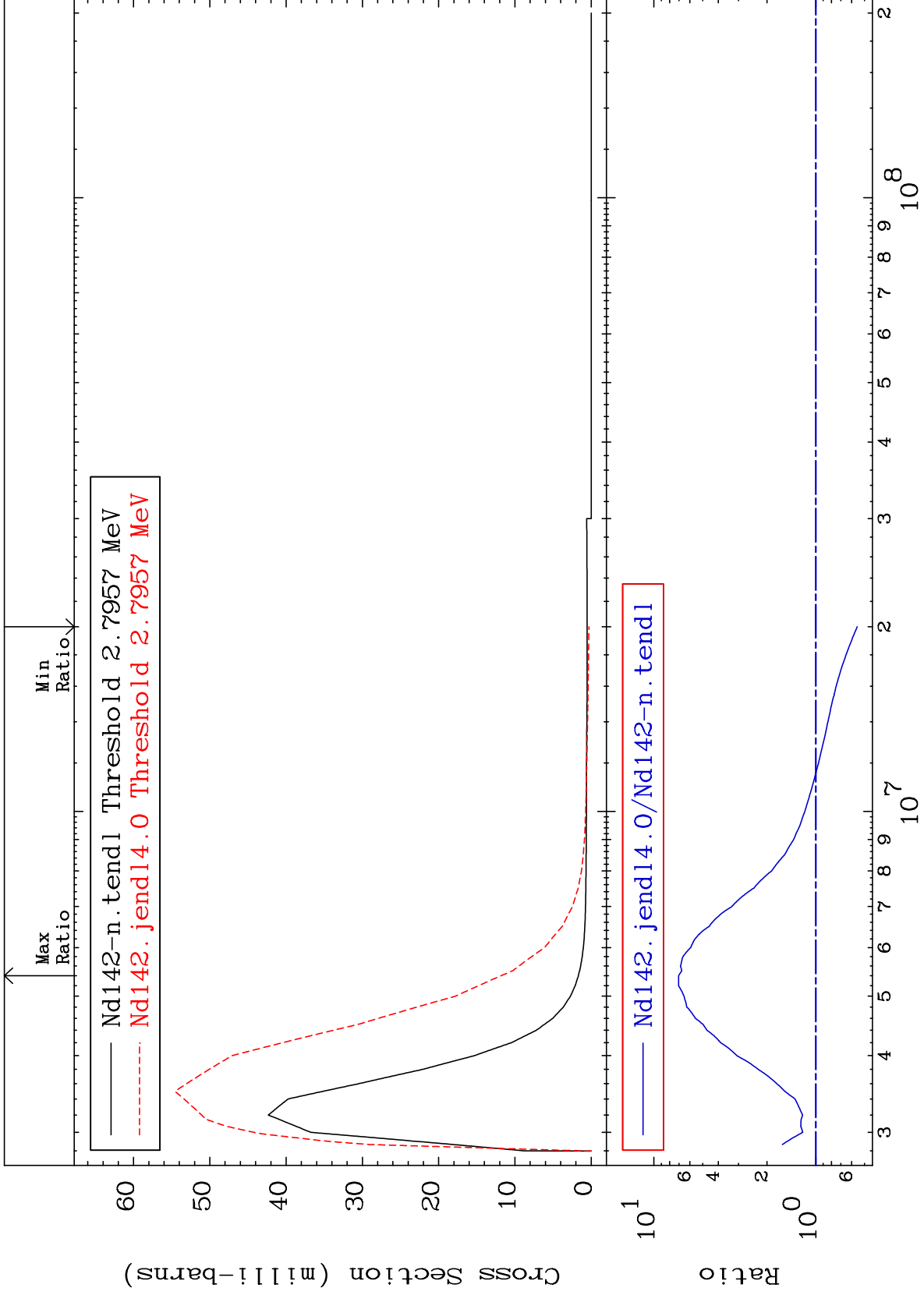
25

60-Nd-142

MAT 6025

2.776 MeV (n,n') Level  
Cross Section

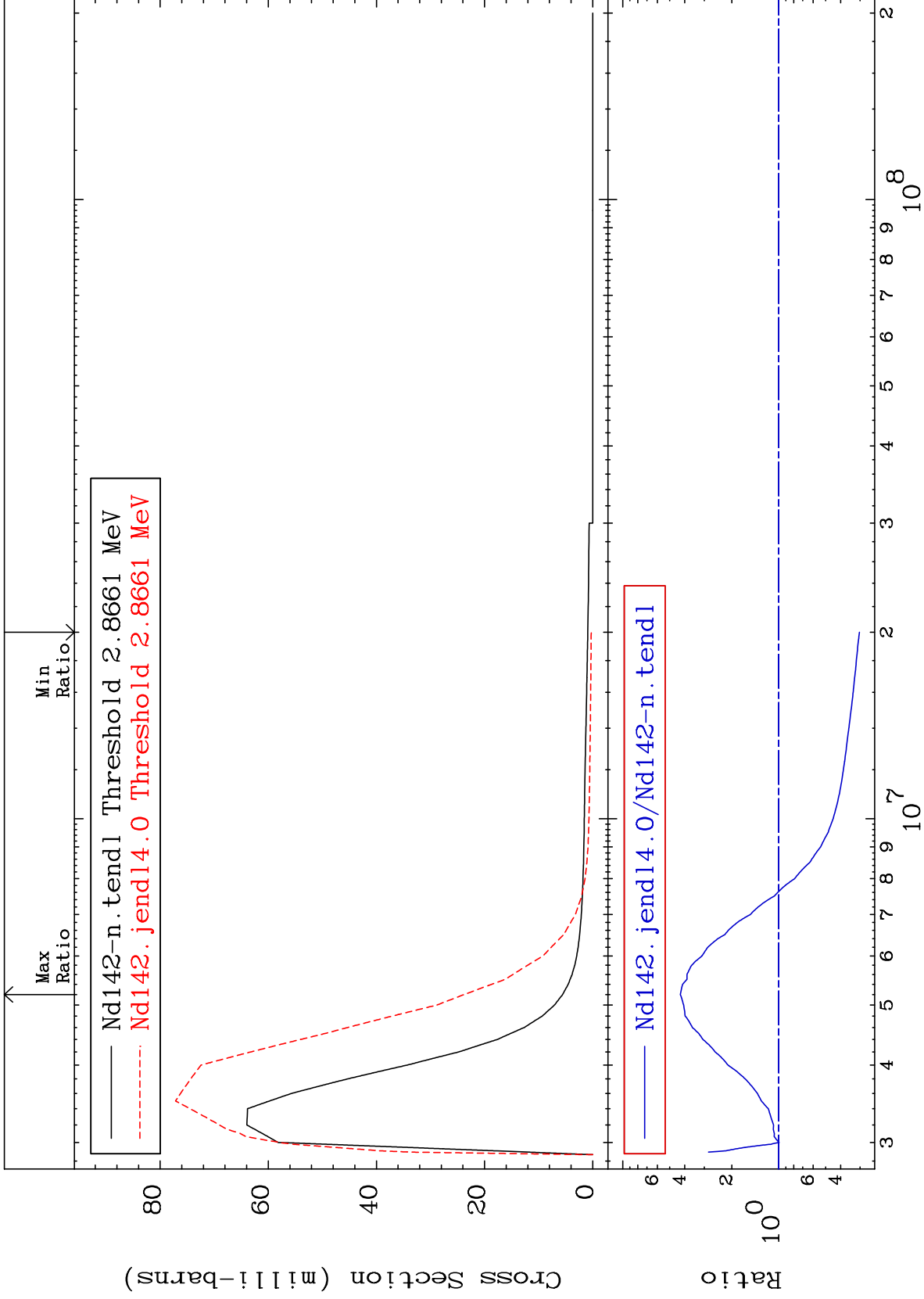
60-Nd-142  
-44.56 To 603.5 %



MAT 6025

2.846 MeV (n,n') Level  
Cross Section

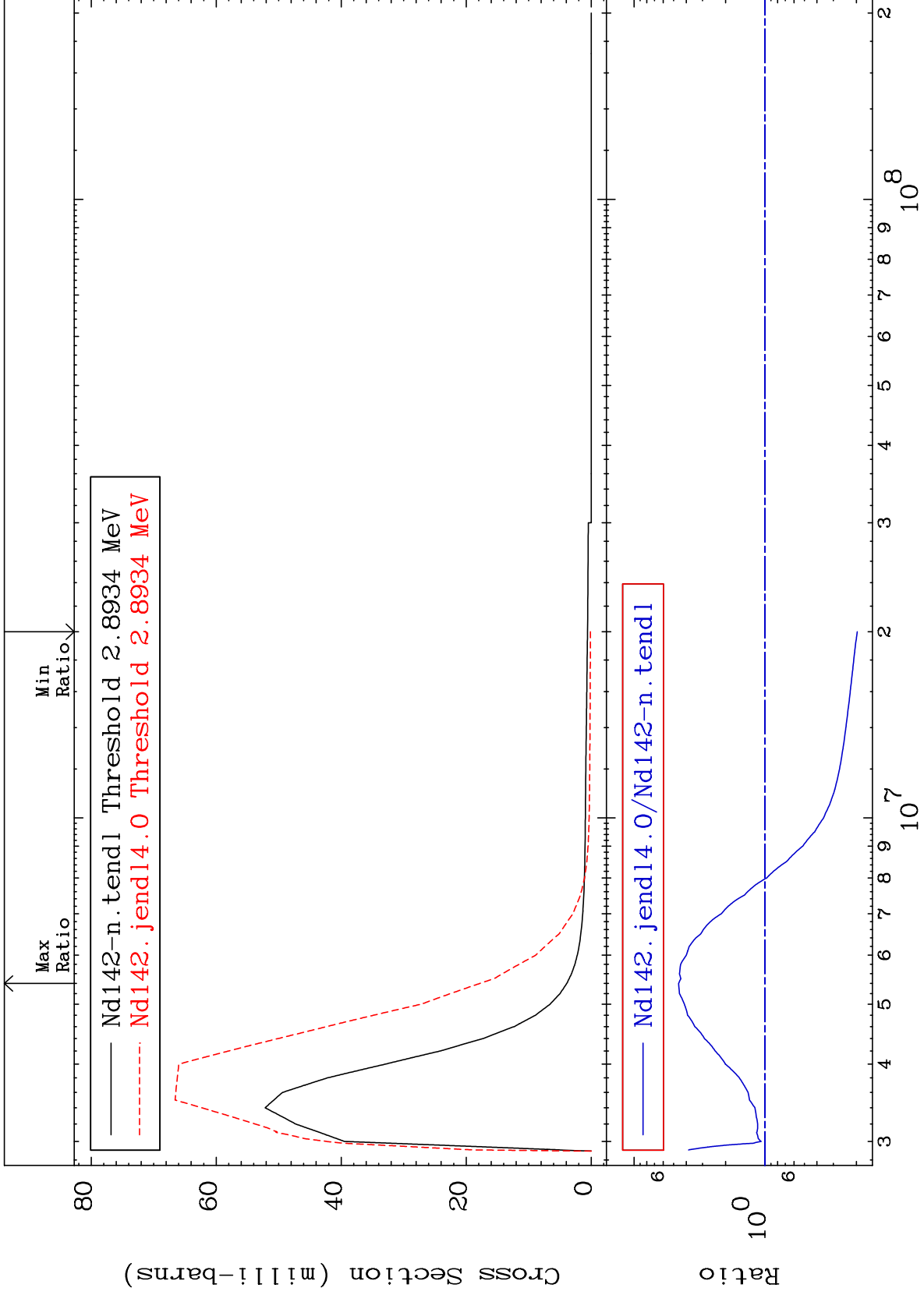
60-Nd-142  
-69.68 To 327.1 %



MAT 6025

2.873 MeV (n,n') Level  
Cross Section

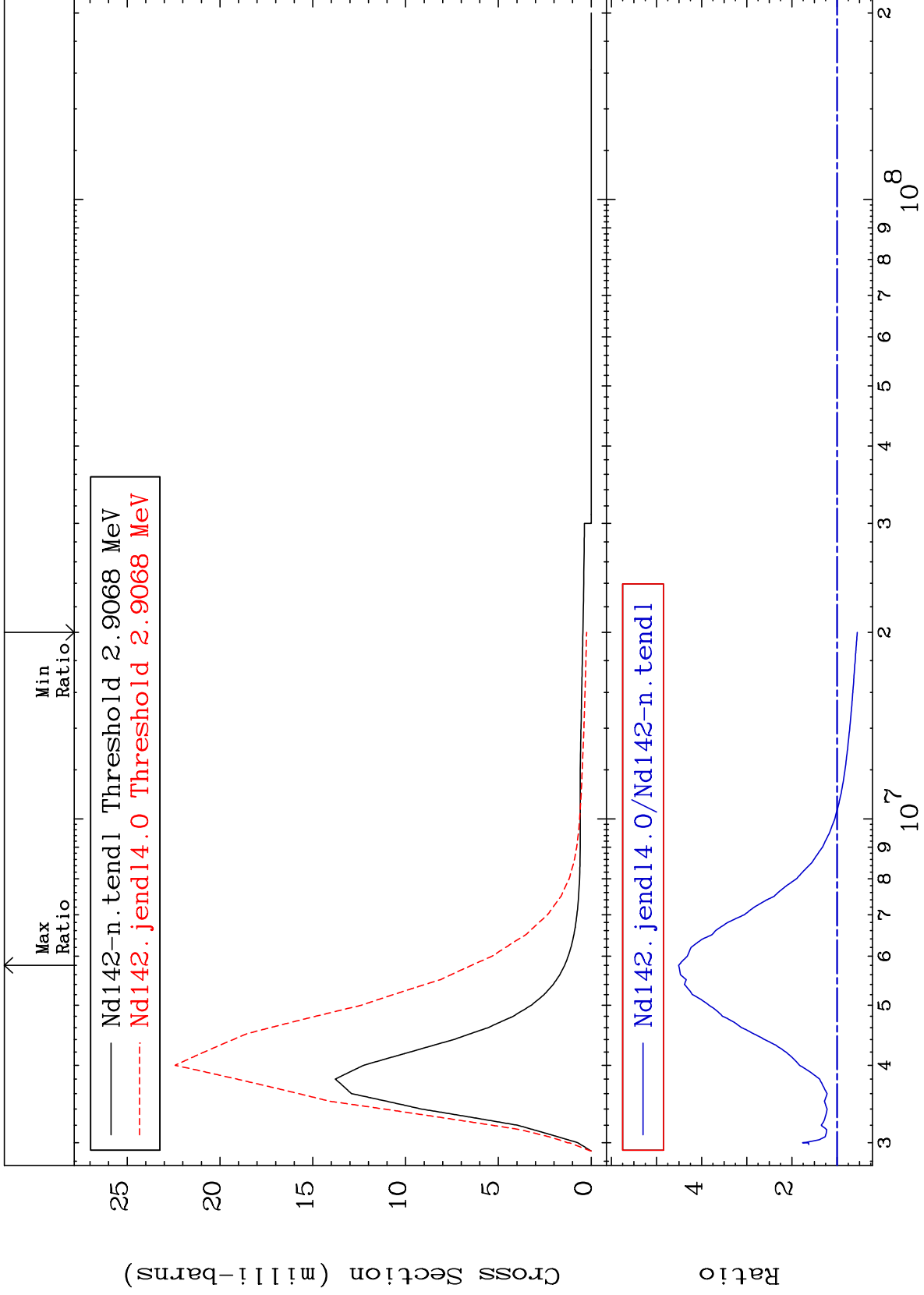
60-Nd-142  
-80.31 To 357.2 %



MAT 6025

2.886 MeV (n,n') Level  
Cross Section

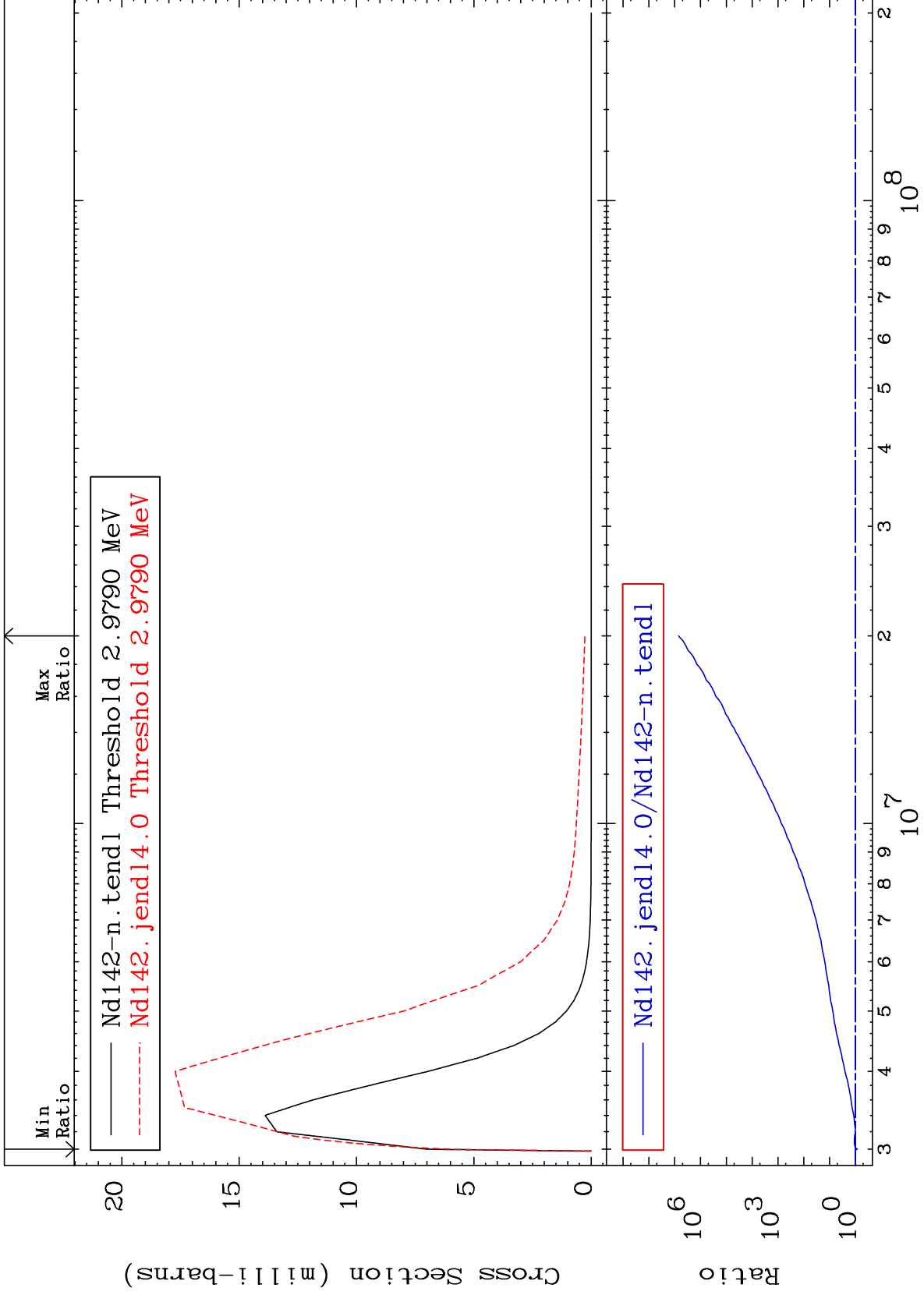
60-Nd-142  
-44.87 To 351.0 %



MAT 6025

2.958 MeV (n,n') Level  
Cross Section

60-Nd-142  
-15.21 To 9999. %



30

Incident Energy (eV)

60-Nd-142

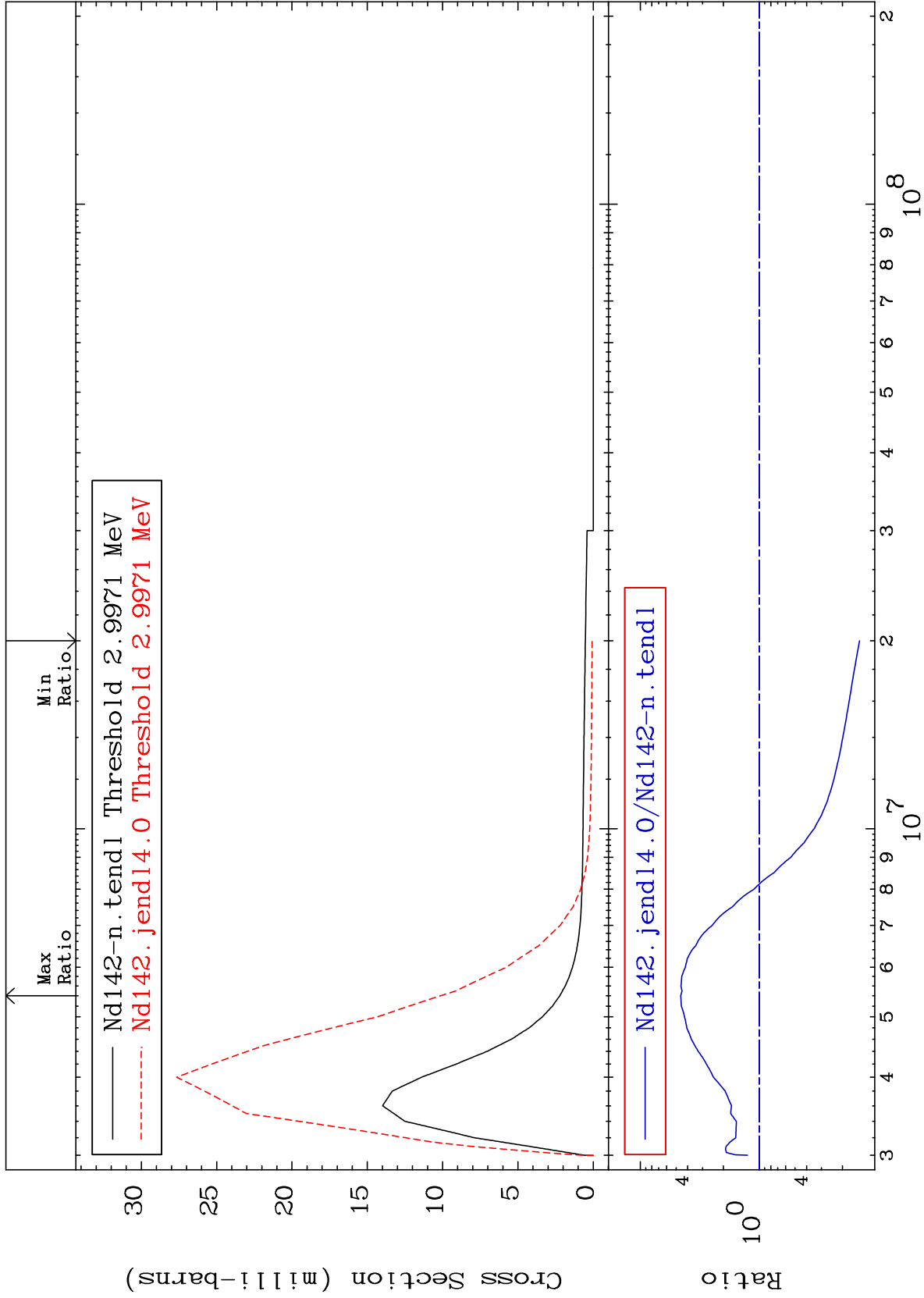
MAT 6025

2.976 MeV (n,n') Level

60-Nd-142

-85.64 To 356.7 %

Cross Section



31

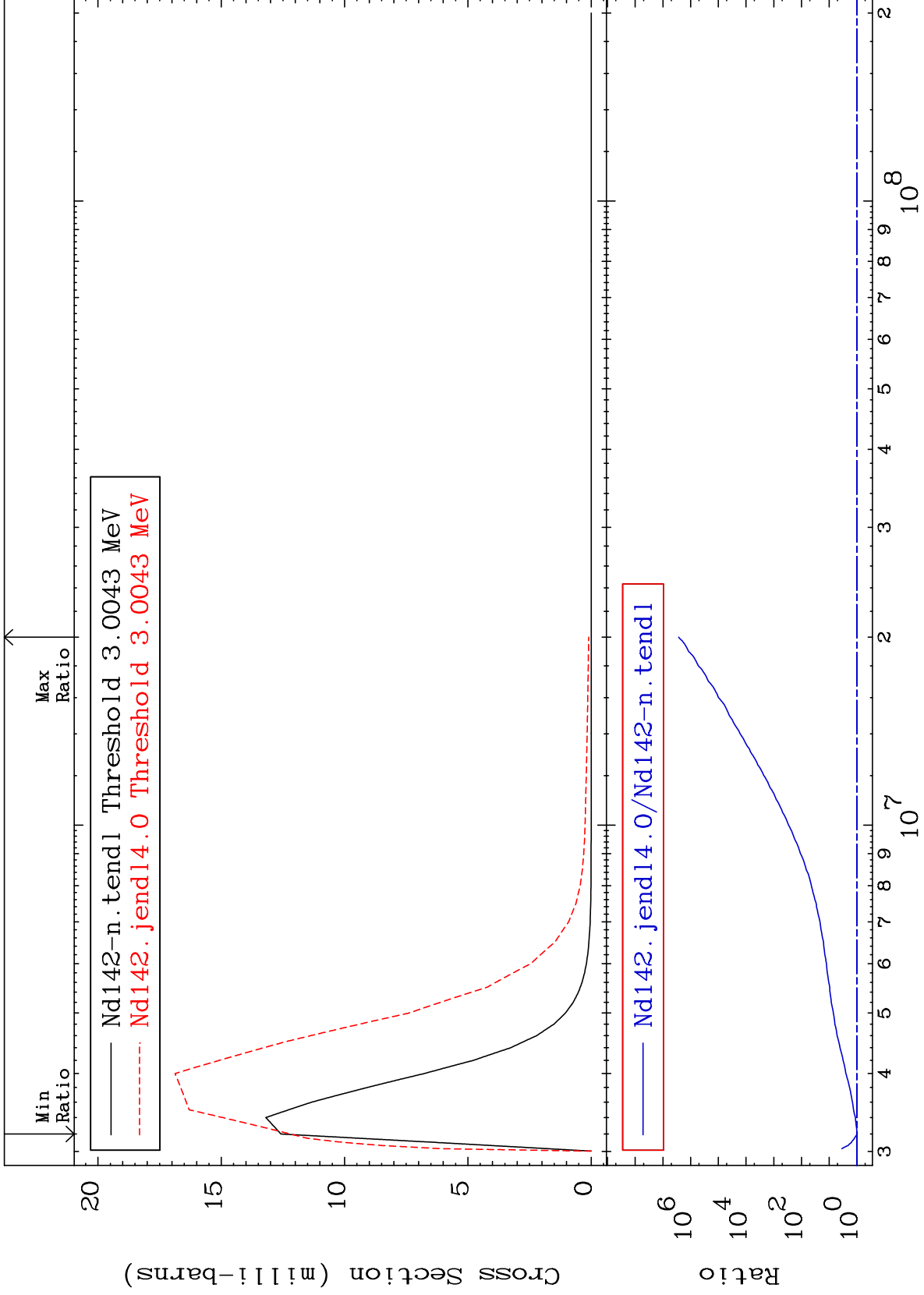
Incident Energy (eV)

60-Nd-142

MAT 6025

2.983 MeV (n,n') Level  
Cross Section

60-Nd-142  
-3.078 To 9999. %



32

Incident Energy (eV)

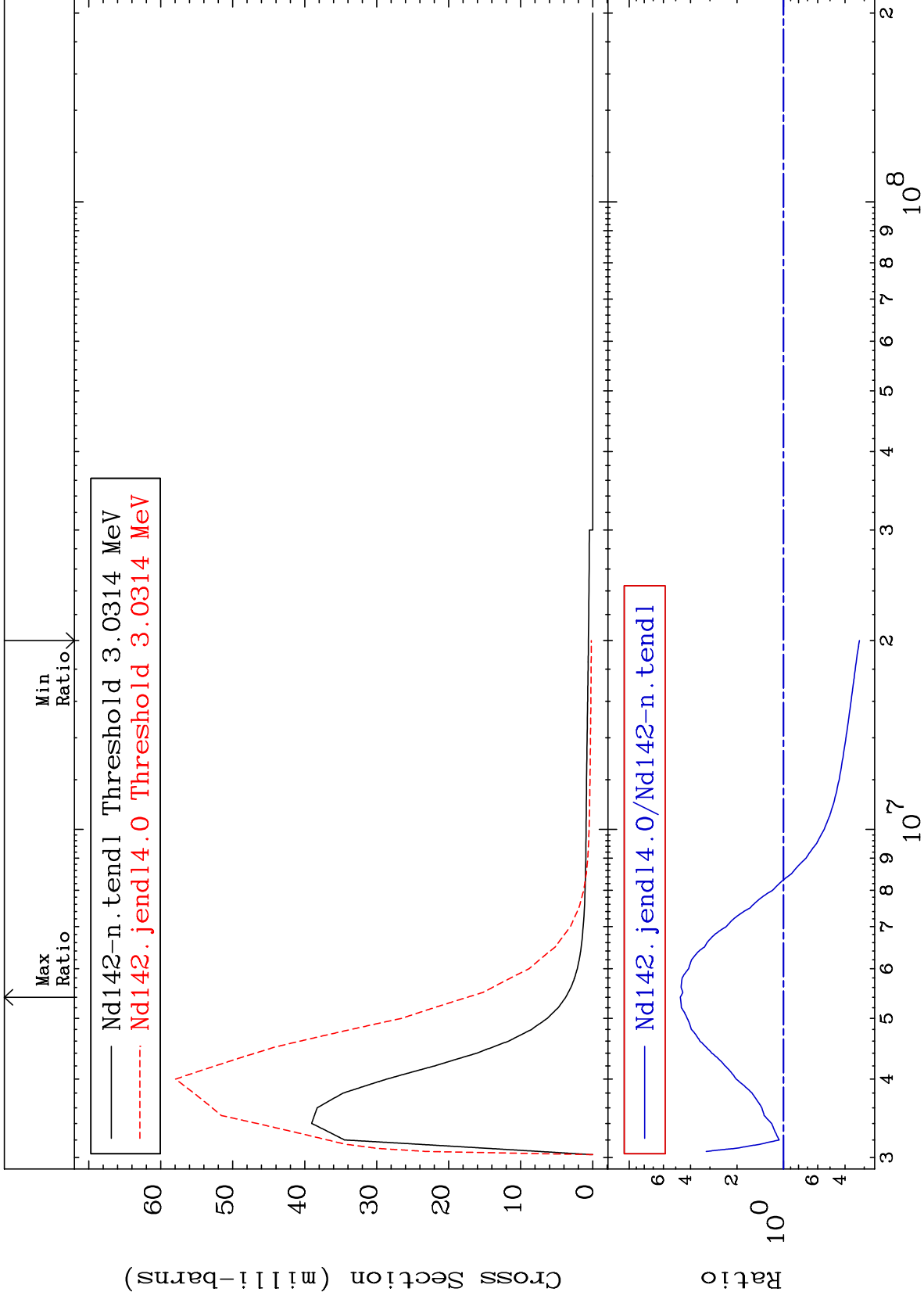
60-Nd-142



MAT 6025

3.010 MeV (n, n') Level  
Cross Section

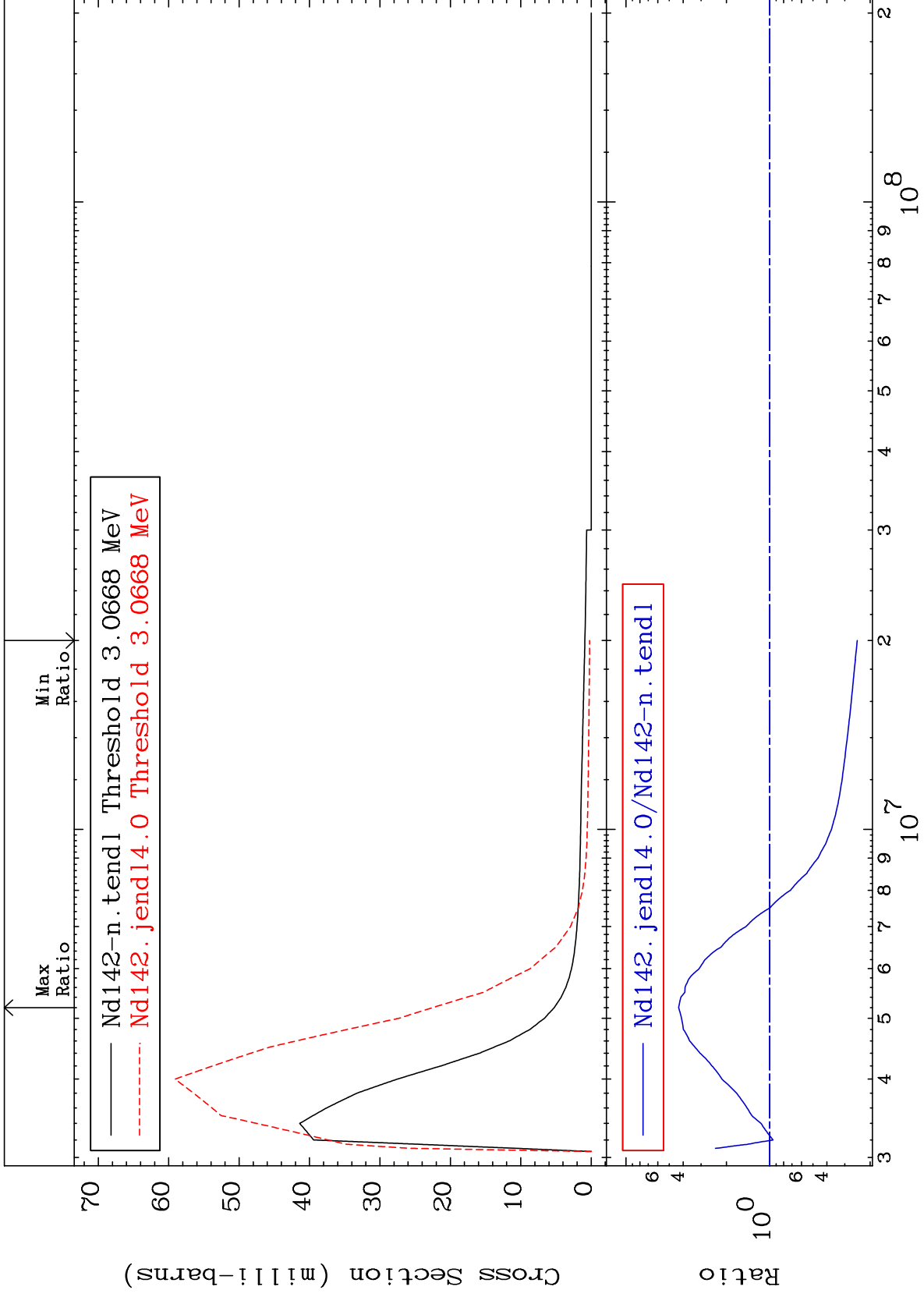
60-Nd-142  
-67.76 To 366.3 %



MAT 6025

3.045 MeV (n,n') Level  
Cross Section

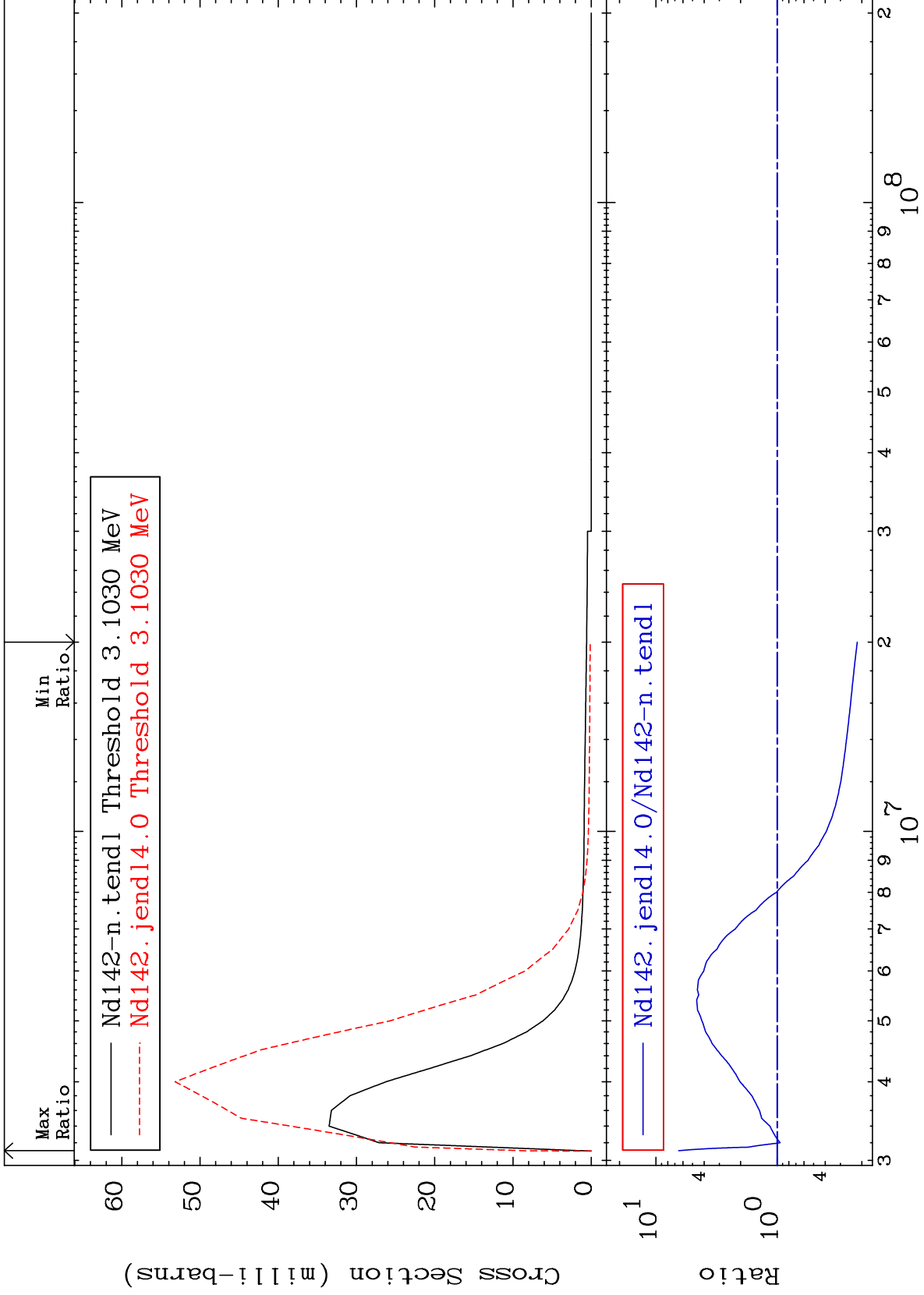
60-Nd-142  
-75.44 To 329.4 %



MAT 6025

3.081 MeV (n,n') Level  
Cross Section

60-Nd-142  
-78.21 To 550.3 %



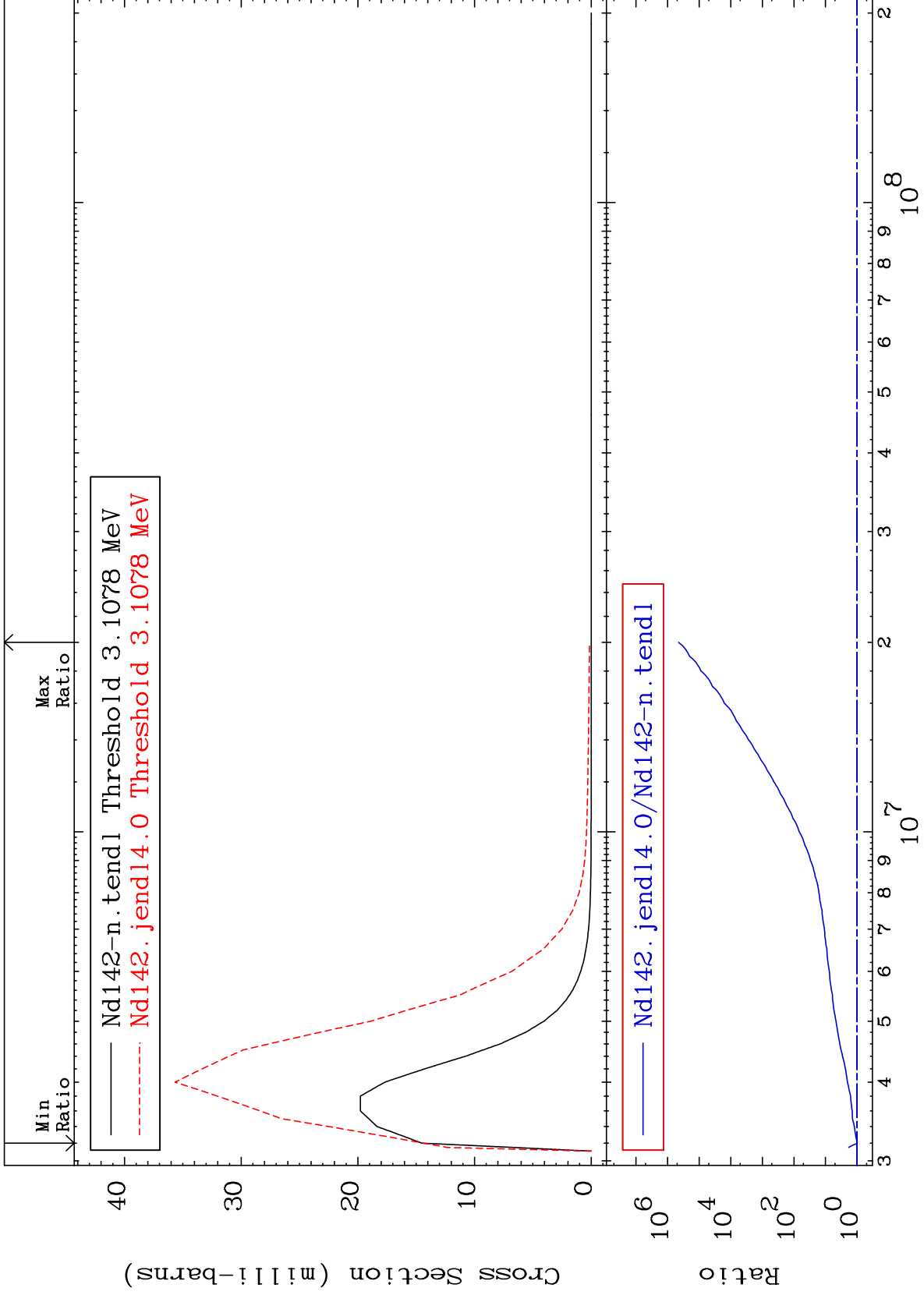
35

60-Nd-142

MAT 6025

3.086 MeV (n,n') Level  
Cross Section

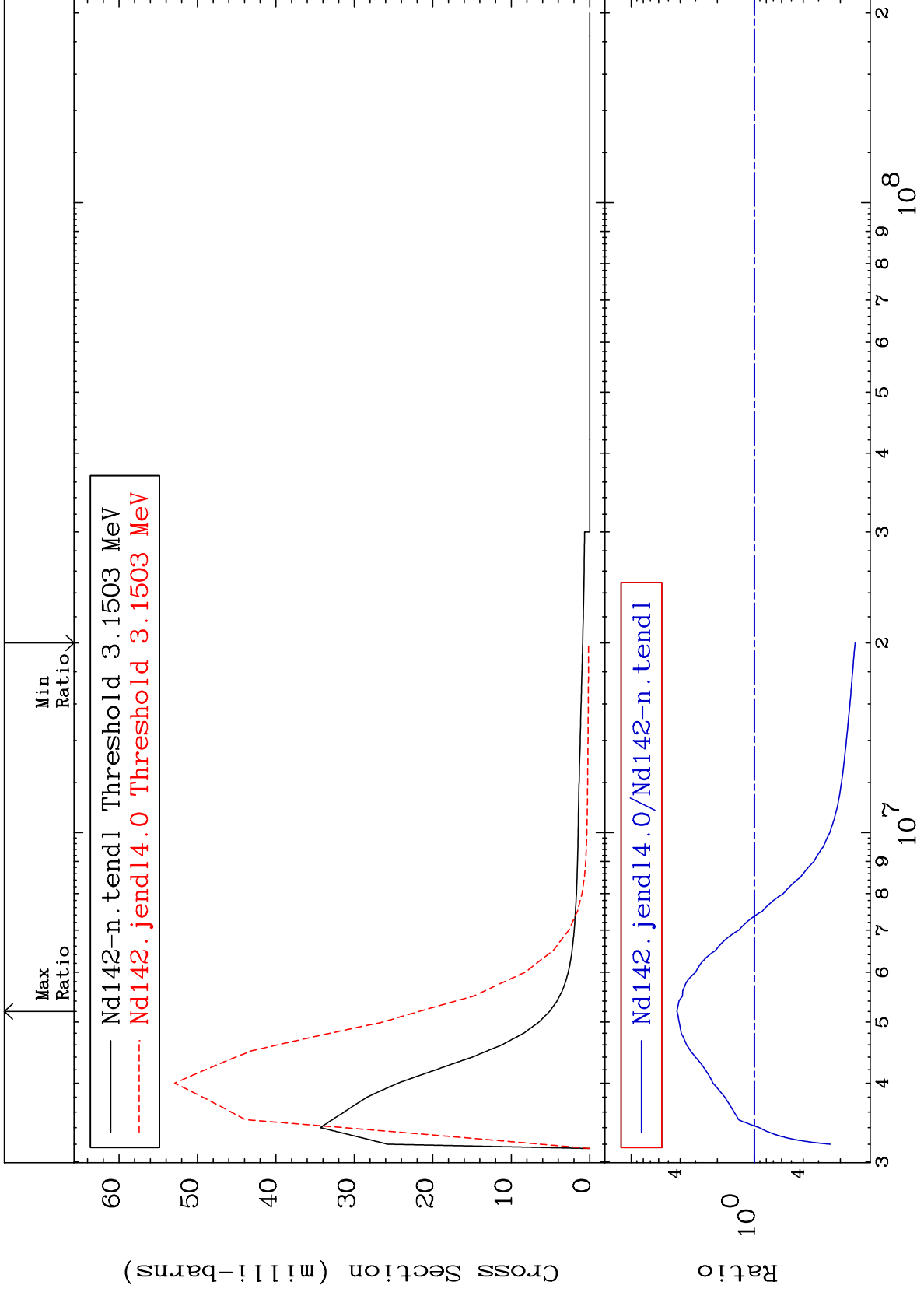
60-Nd-142  
-1.123 To 9999. %



MAT 6025

3.128 MeV (n,n') Level  
Cross Section

60-Nd-142  
-84.84 To 325.5 %



37

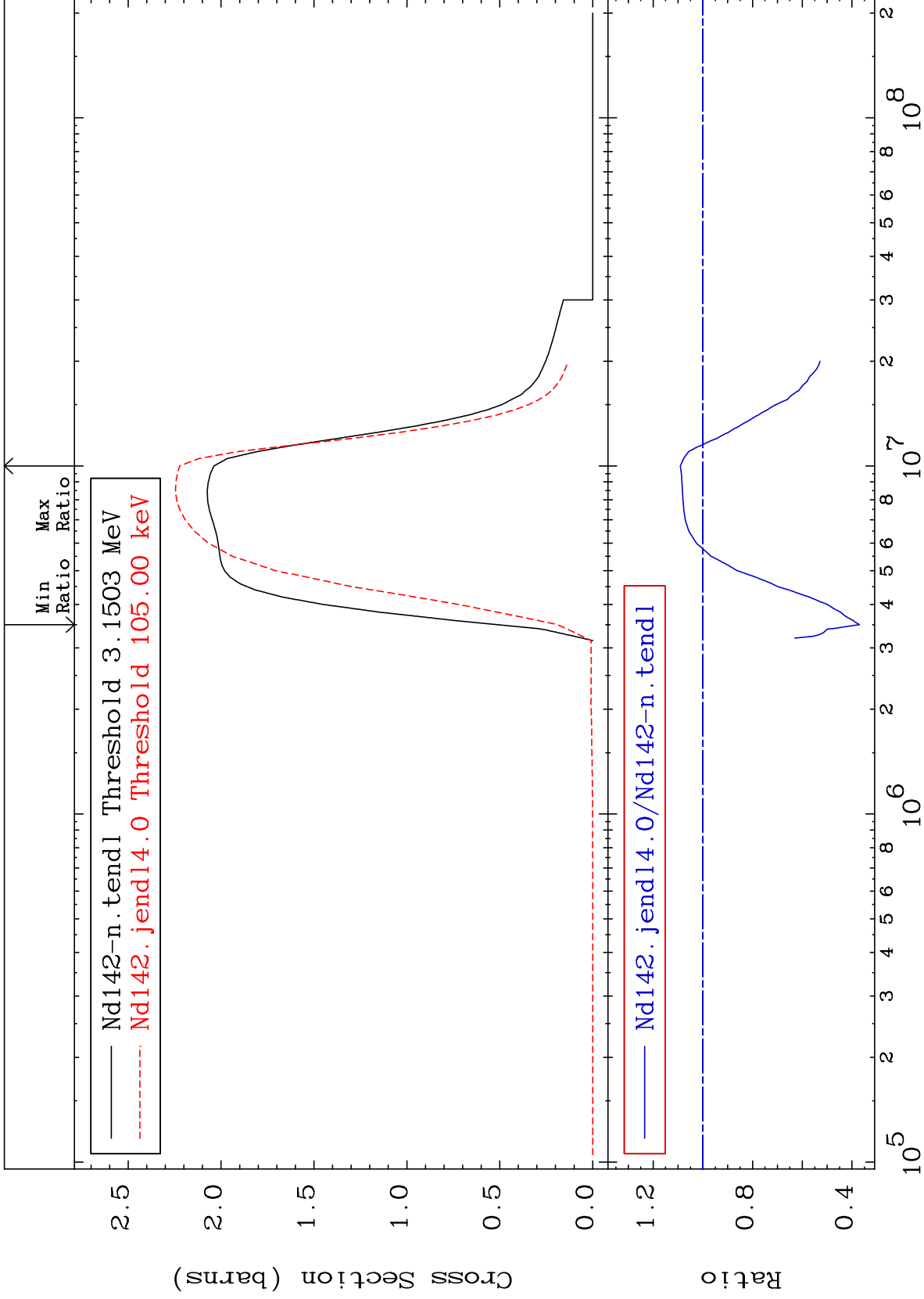
Incident Energy (eV)

60-Nd-142

MAT 6025

(n, n') Continuum  
Cross Section

60-Nd-142  
-63.00 To 9.064 %



38

Incident Energy (eV)

60-Nd-142

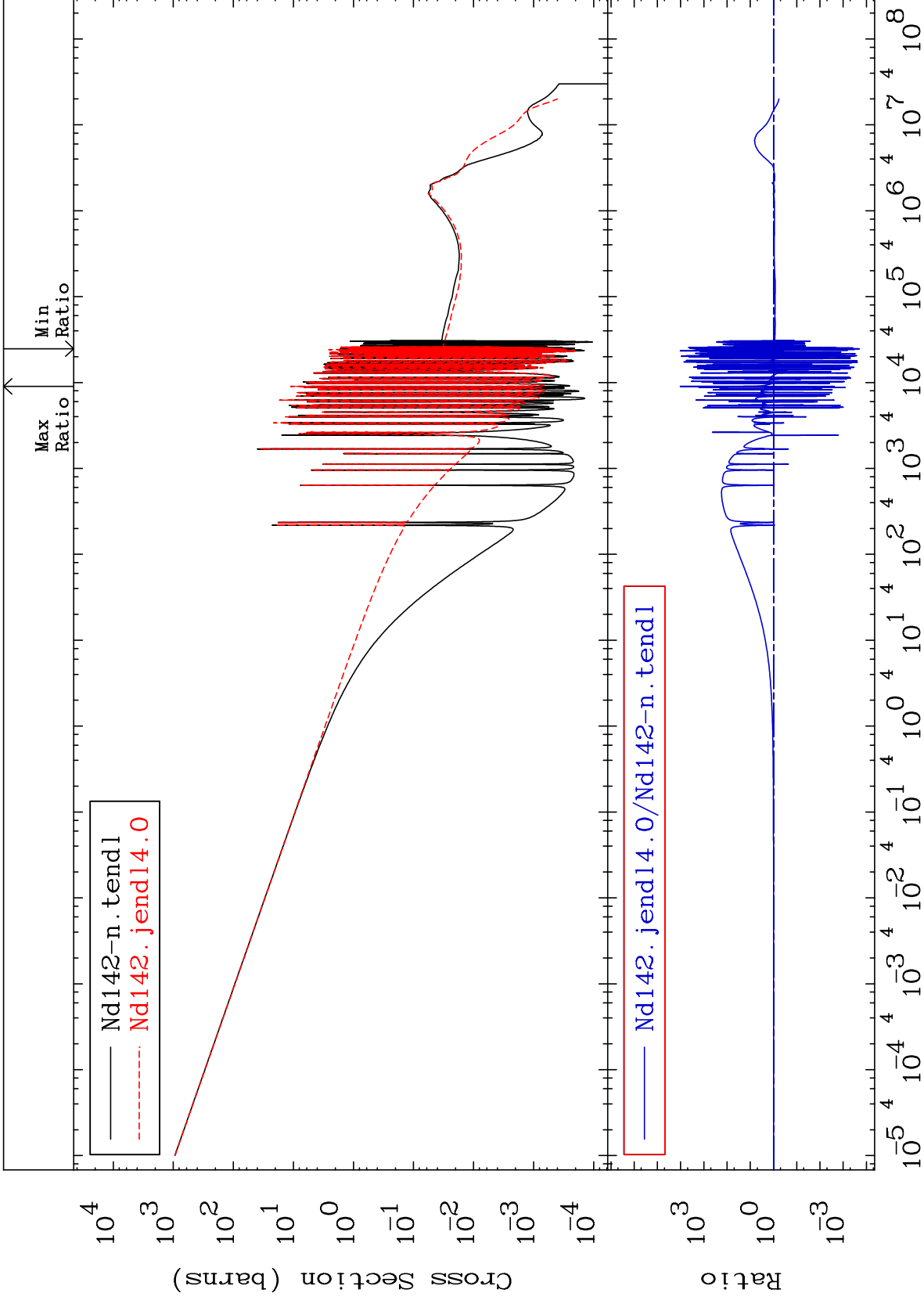
MAT 6025

(n,  $\gamma$ )

60-Nd-142

Cross Section

-99.98 To 9999. %



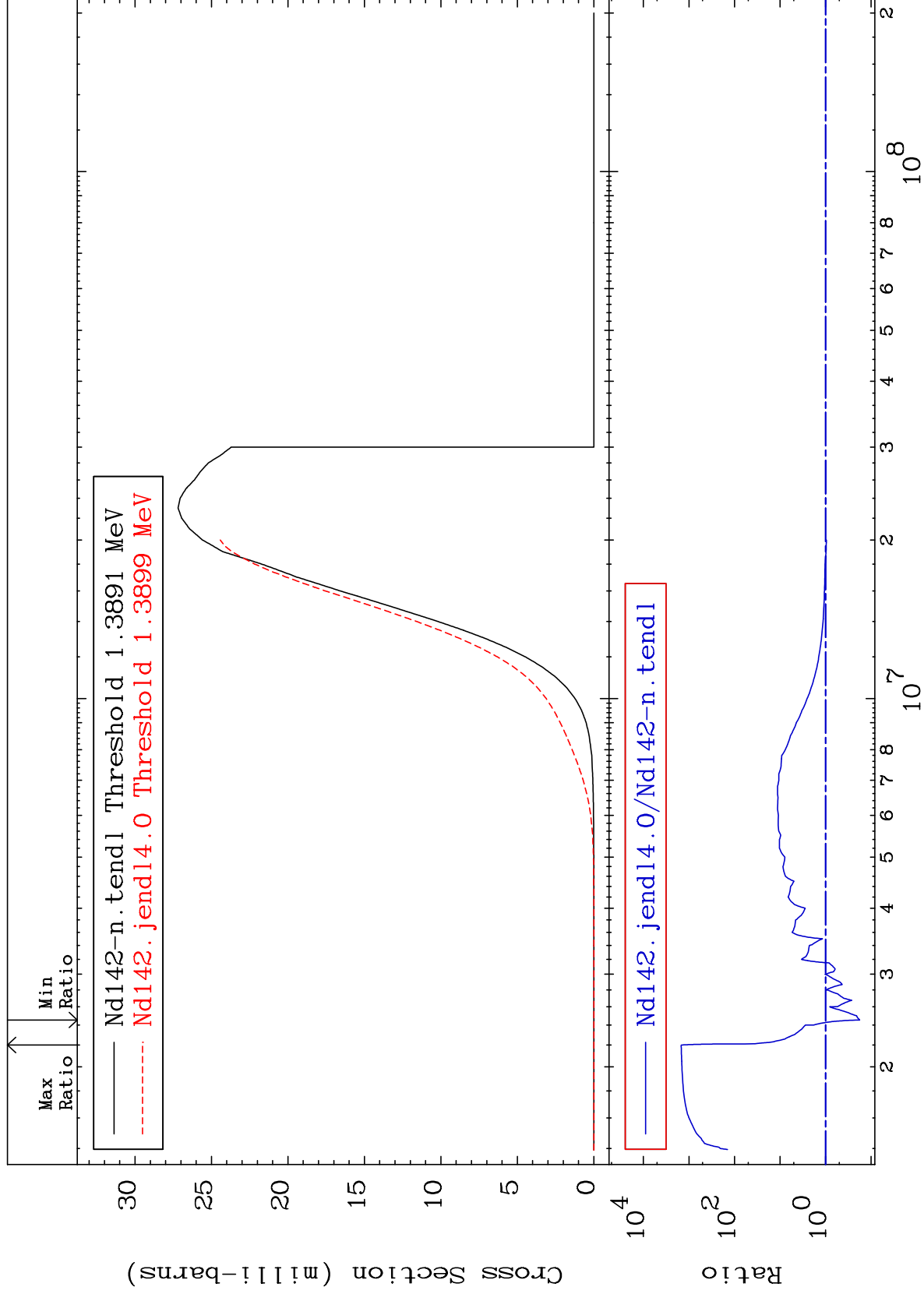
MAT 6025

(n,p)

60-Nd-142

Cross Section

-82.14 To 9999. %



40

Incident Energy (eV)

60-Nd-142



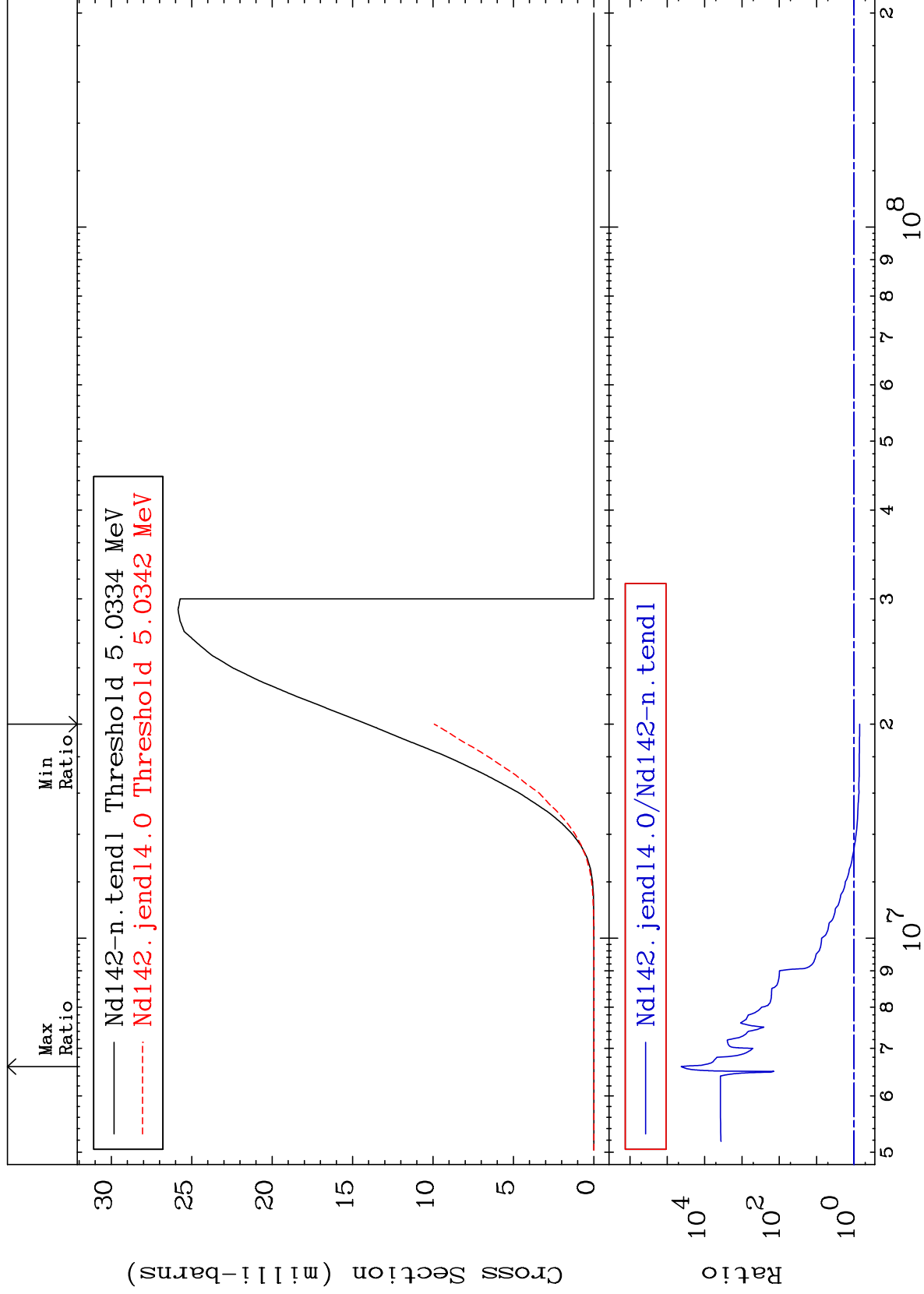
MAT 6025

(n, d)

60-Nd-142

Cross Section

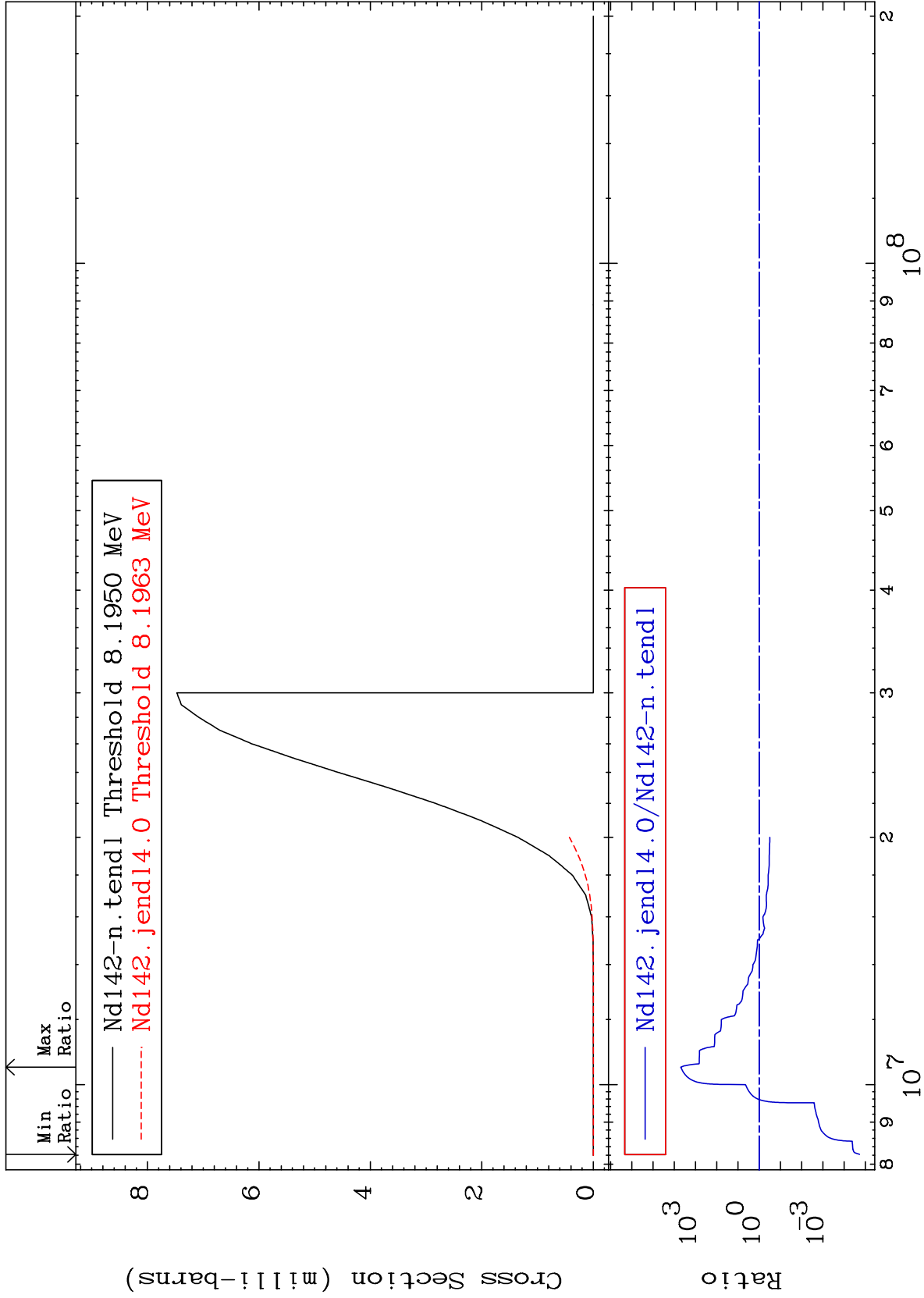
-29.63 To 9999. %



MAT 6025

(n, t)  
Cross Section

60-Nd-142  
-100.0 To 9999. %



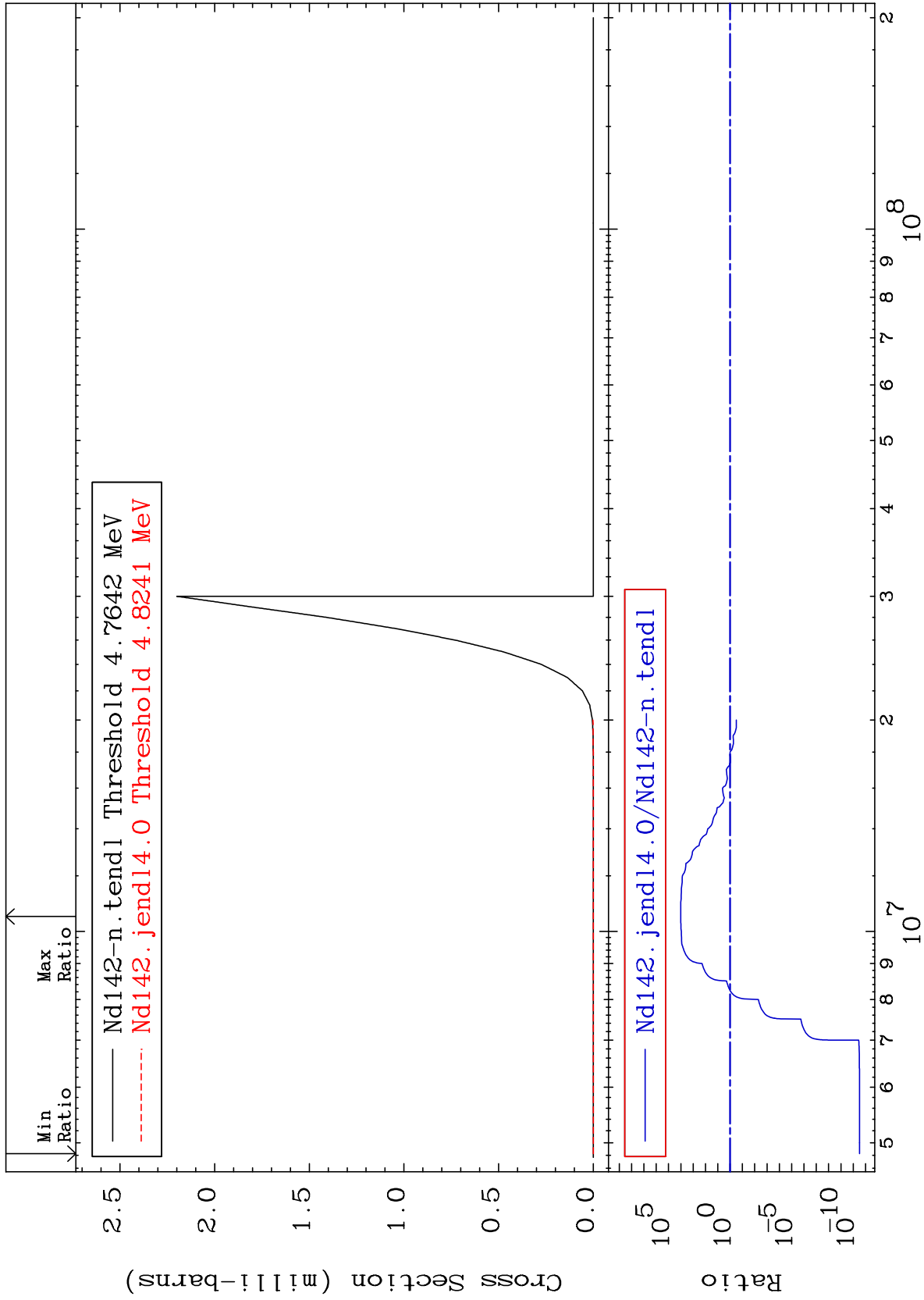
42

Incident Energy (eV)

60-Nd-142

Cross Section

-100.0 To 9999. %



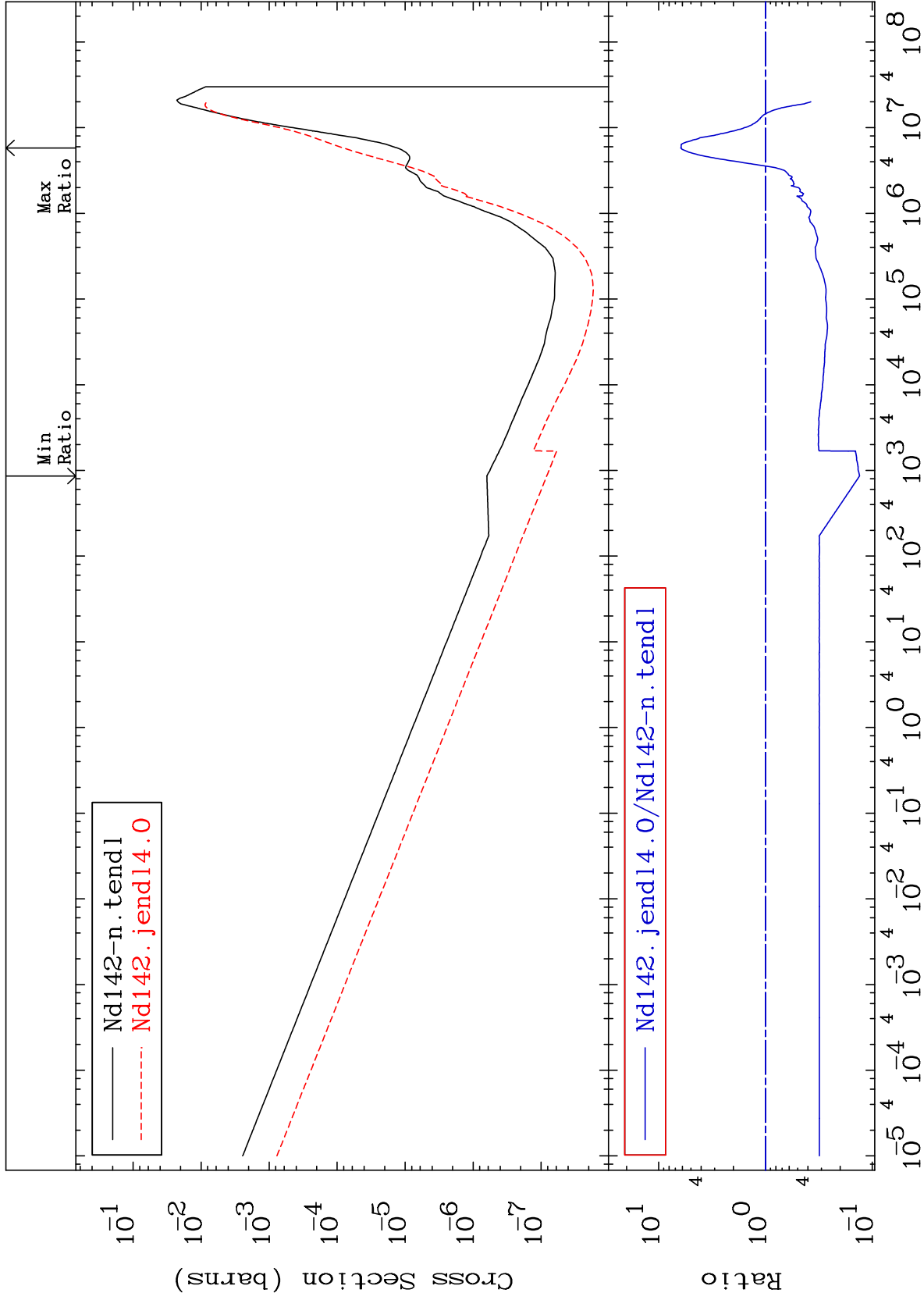
MAT 6025

(n,  $\alpha$ )

60-Nd-142

Cross Section

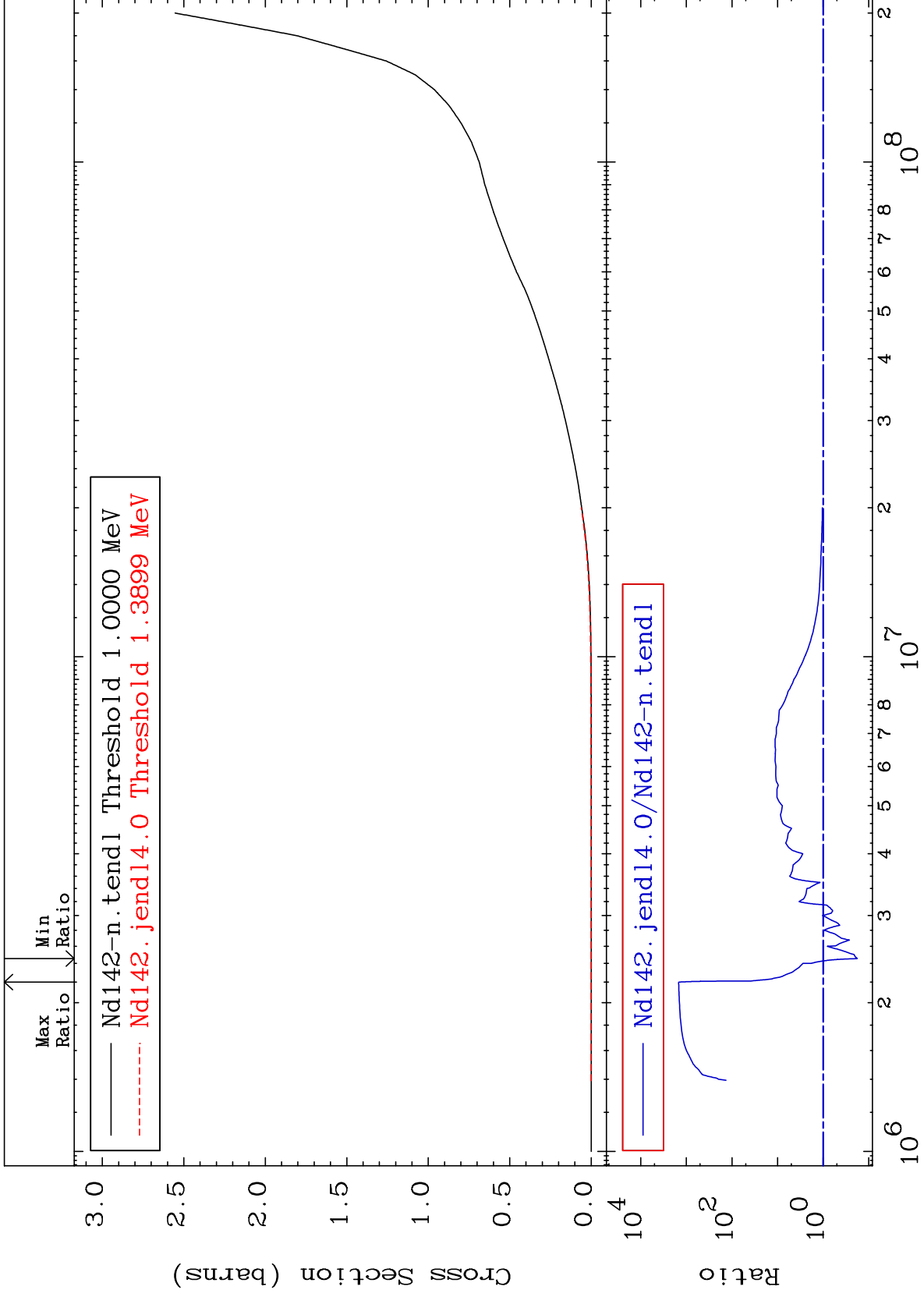
-86.83 To 521.6 %



MAT 6025

Hydrogen Production  
Cross Section

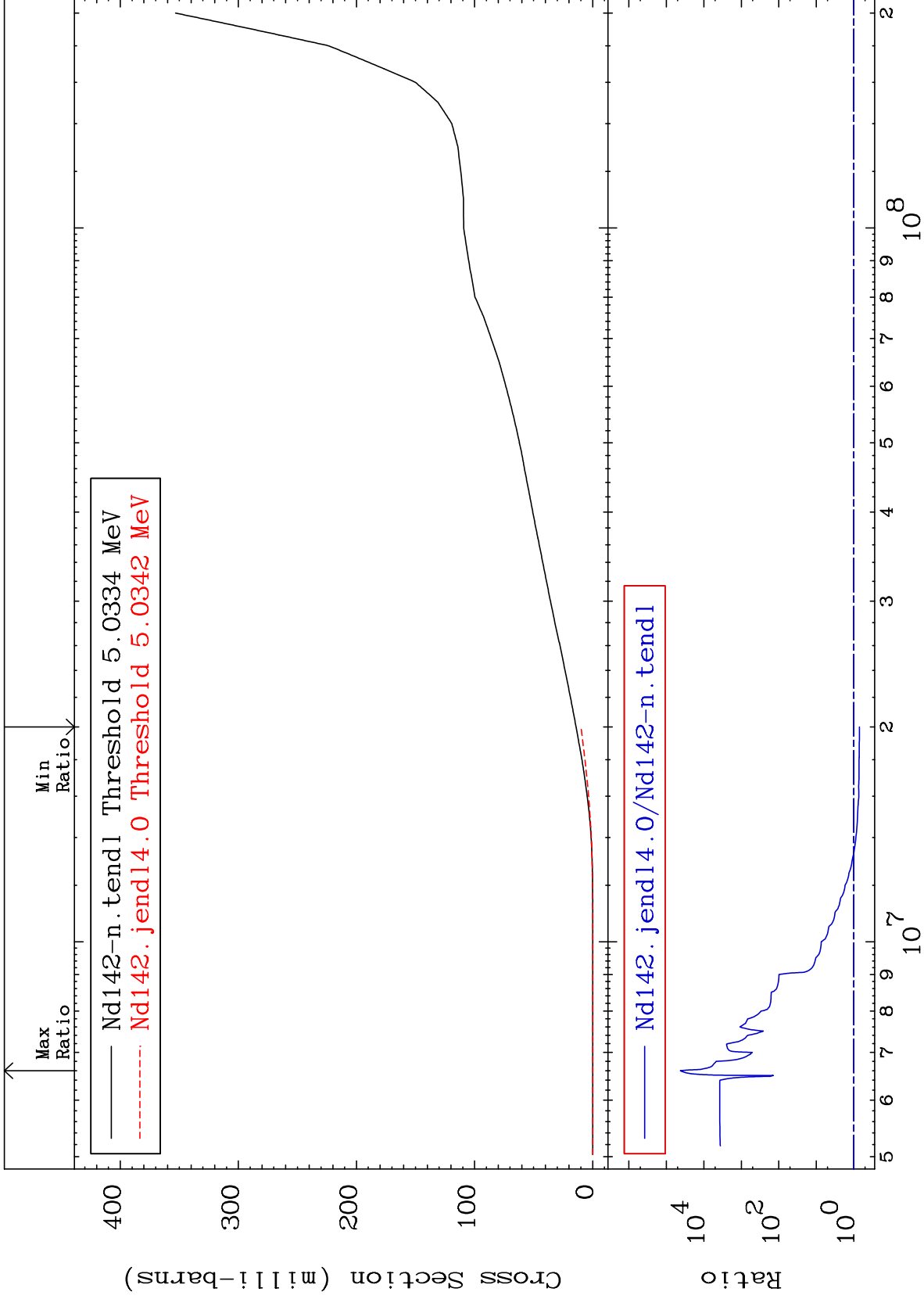
60-Nd-142  
-82.14 To 9999. %



45

Incident Energy (eV)

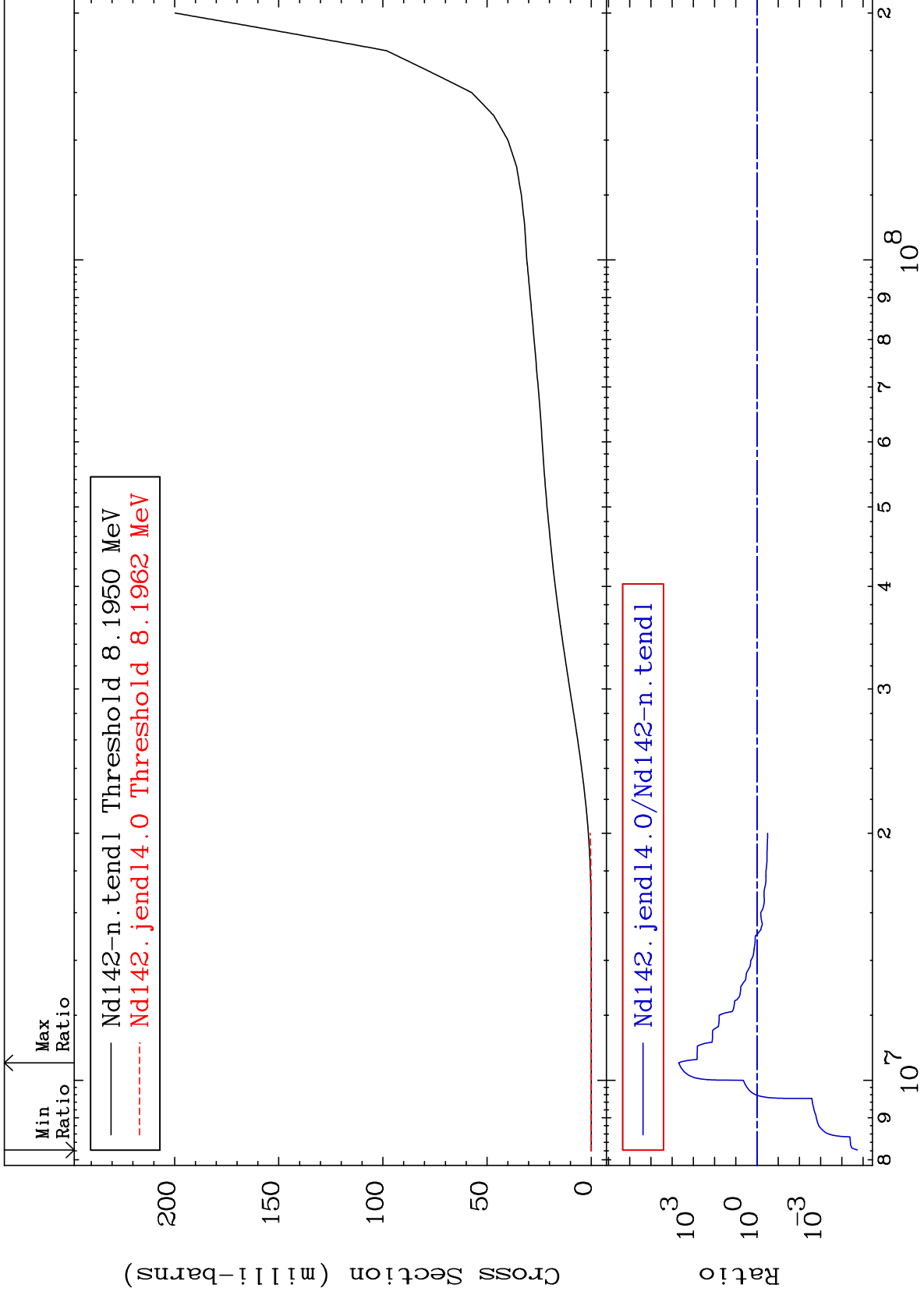
60-Nd-142



MAT 6025

Tritium Production  
Cross Section

60-Nd-142  
-100.0 To 9999. %



47

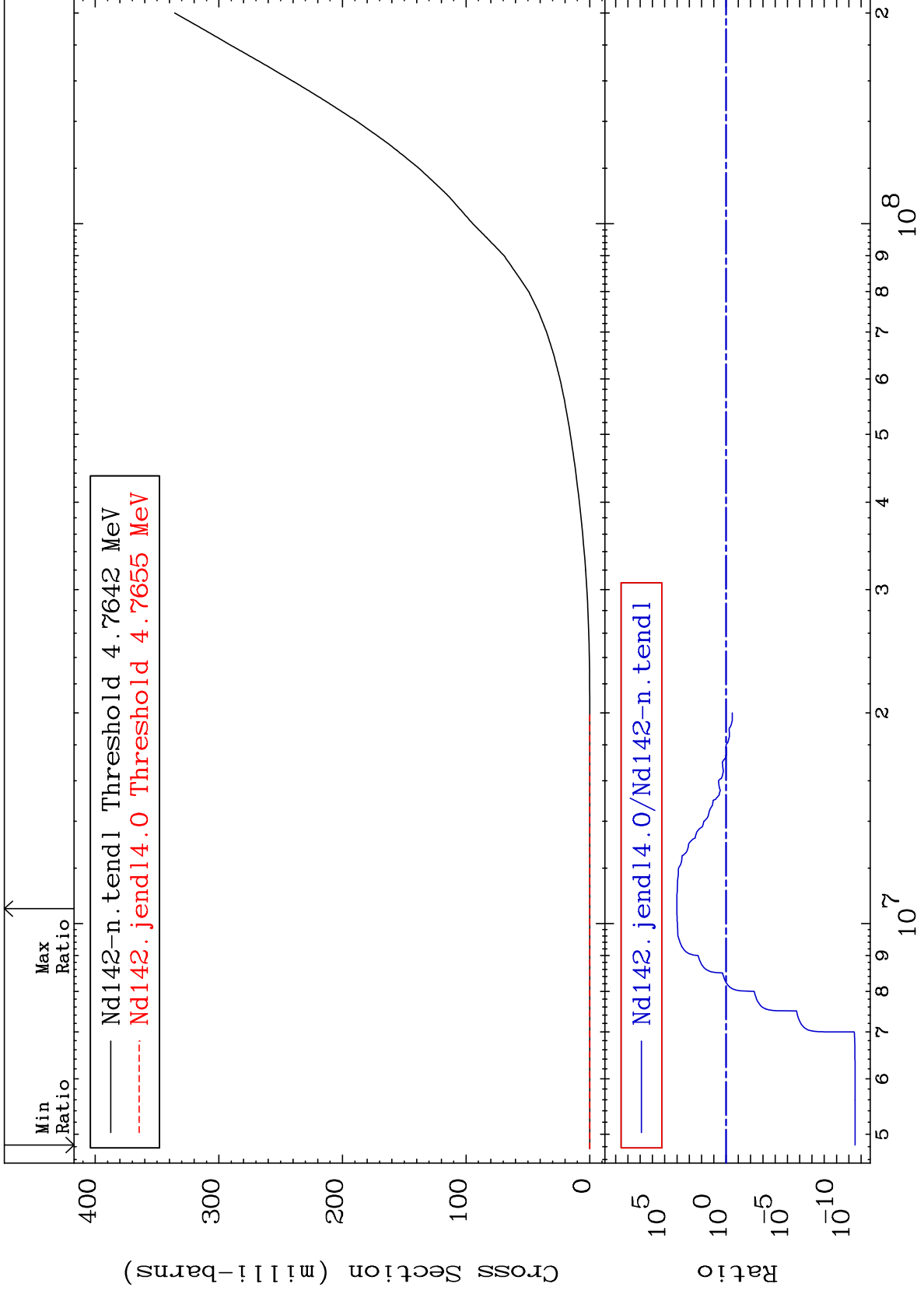
Incident Energy (eV)

60-Nd-142

MAT 6025

He-3 Production  
Cross Section

60-Nd-142  
-100.0 To 9999. %



48

Incident Energy (eV)

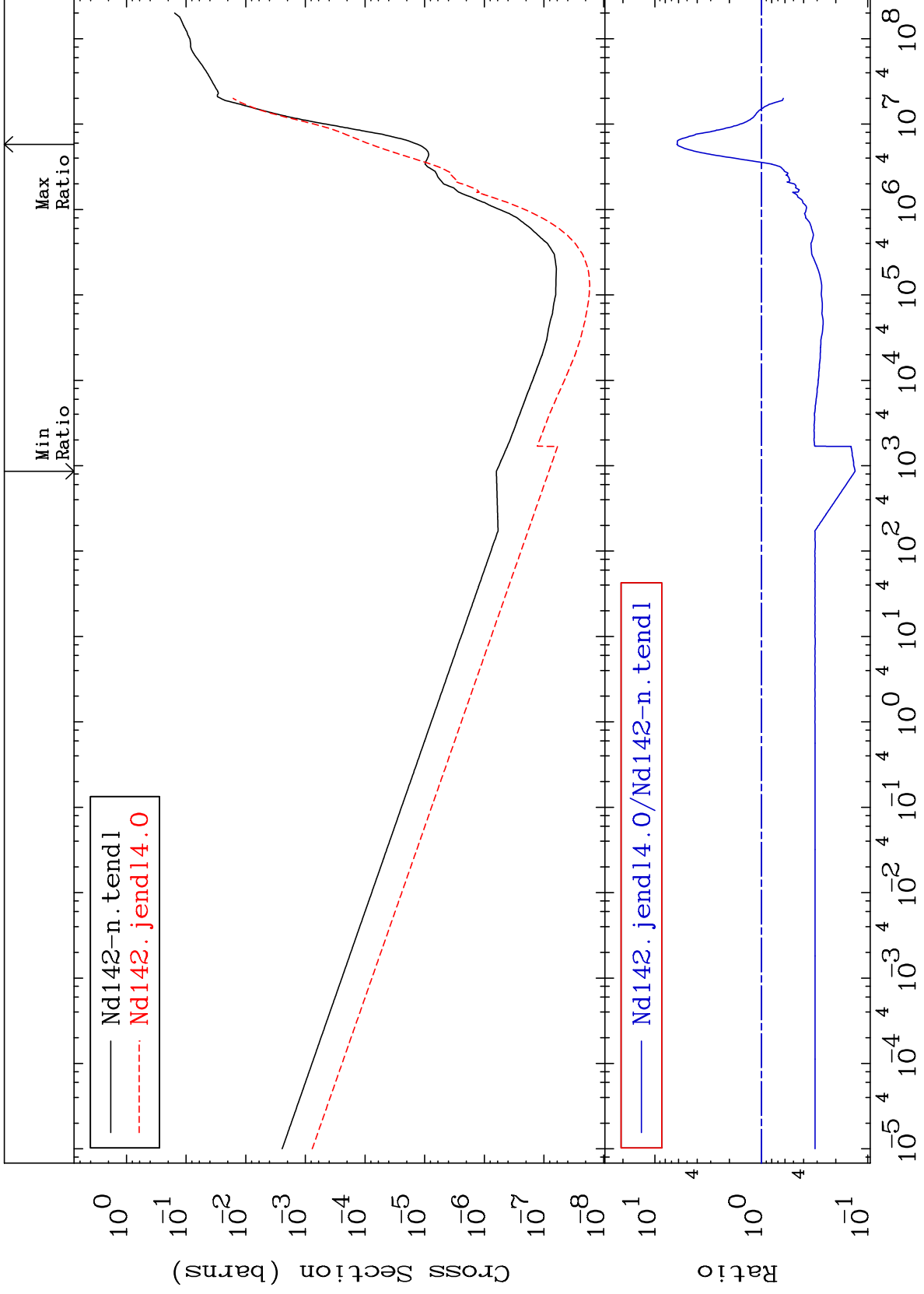
60-Nd-142



MAT 6025

He-4 Production  
Cross Section

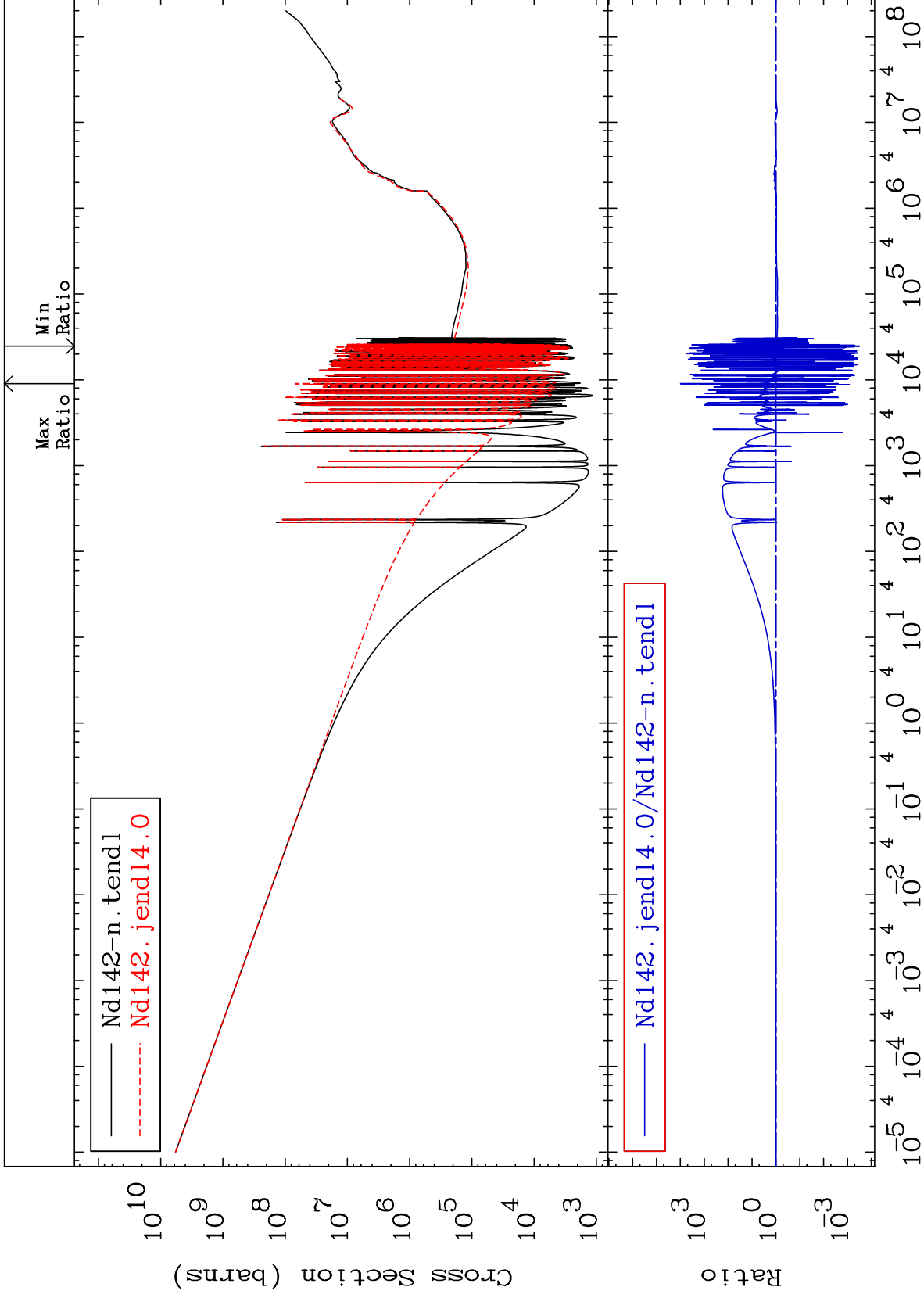
60-Nd-142  
-86.83 To 521.6 %



49

Incident Energy (eV)

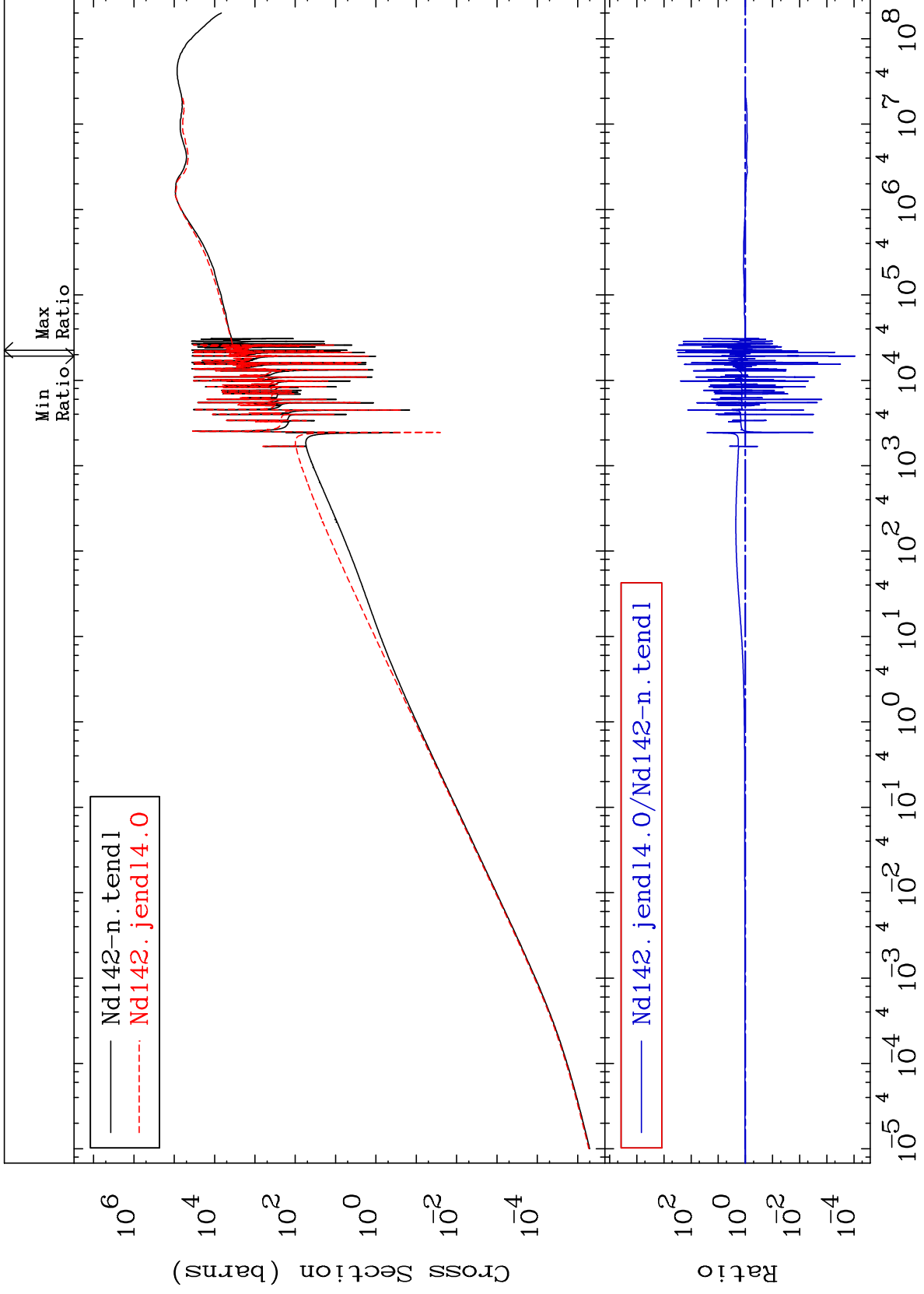
60-Nd-142

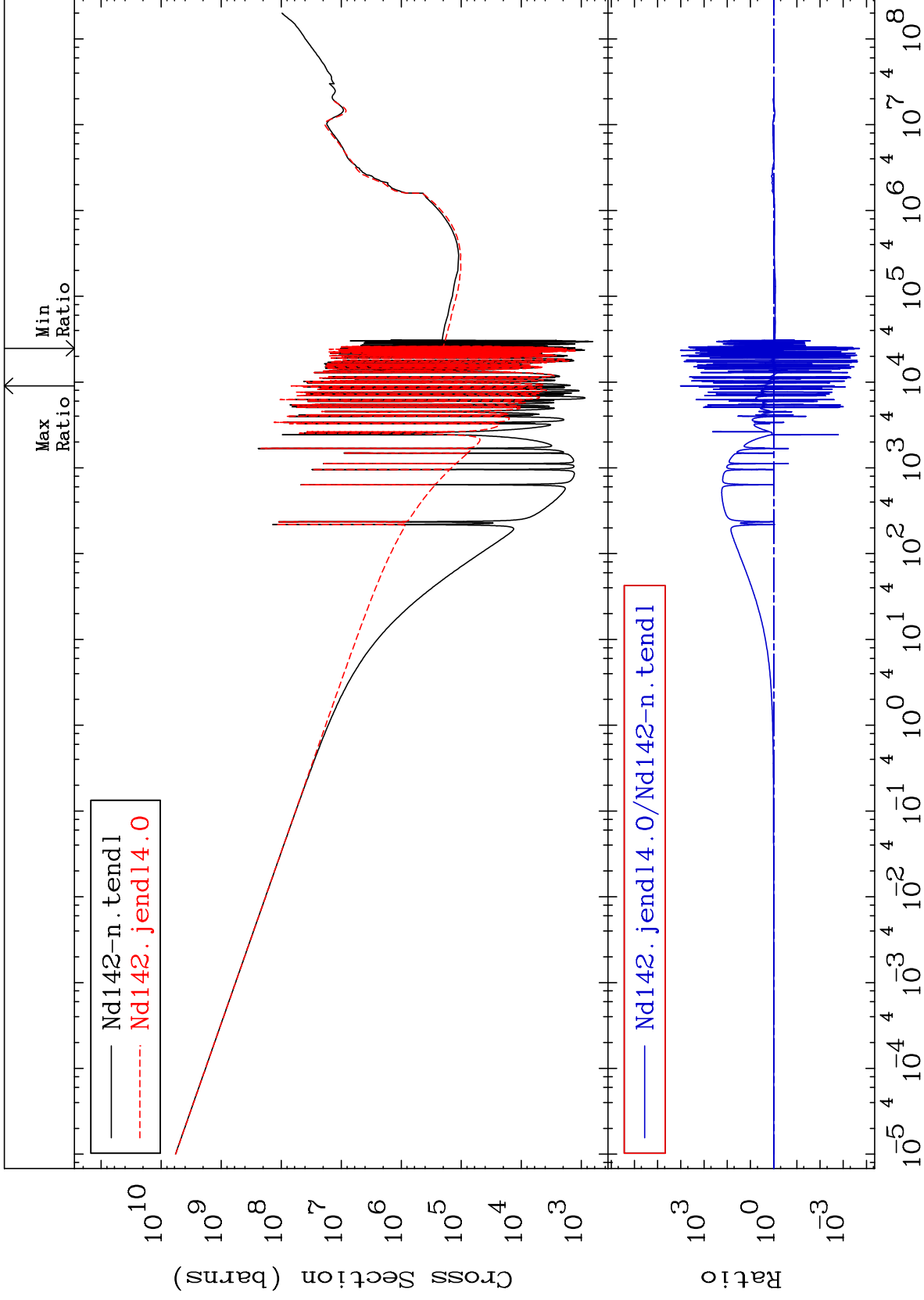


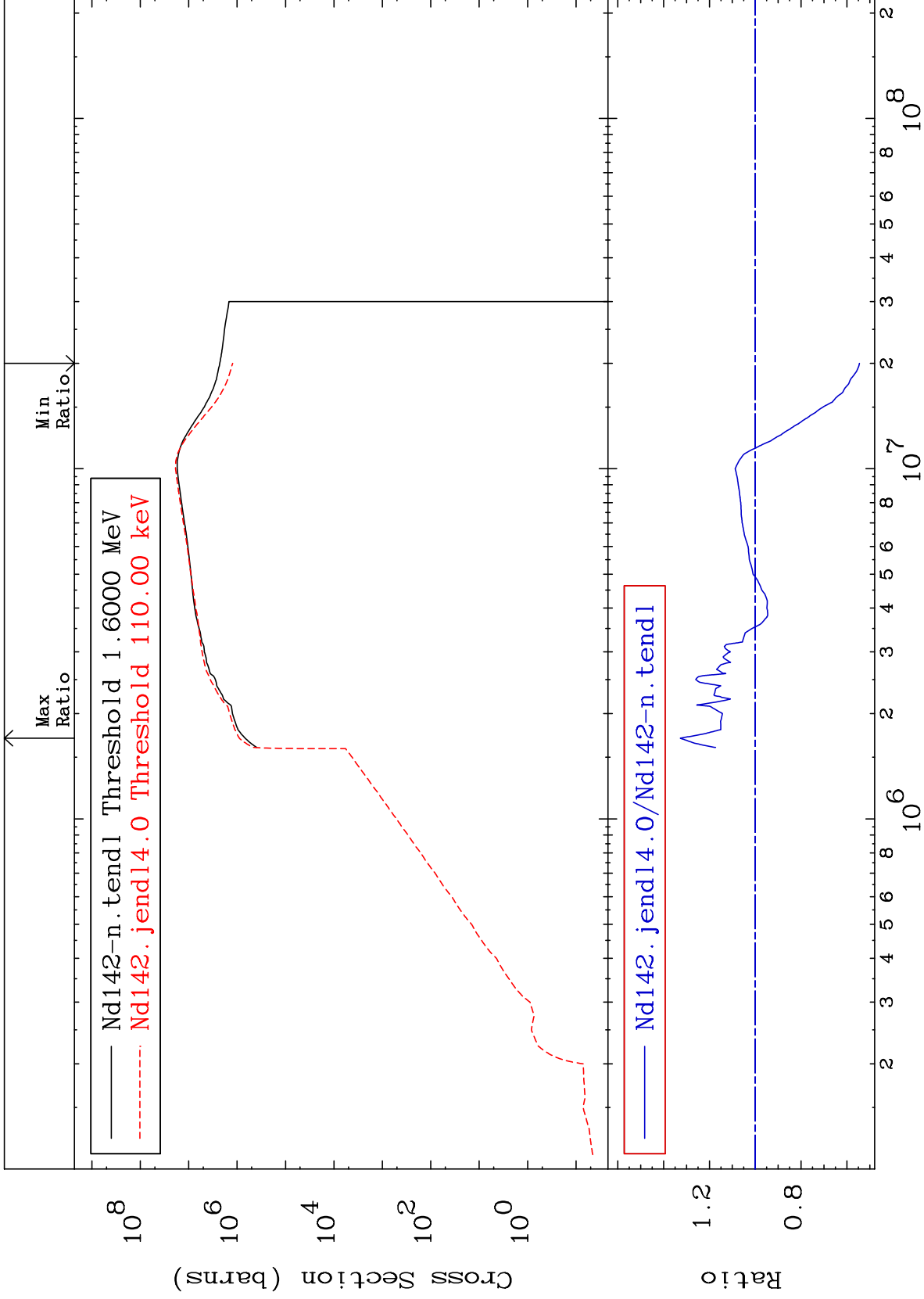
MAT 6025

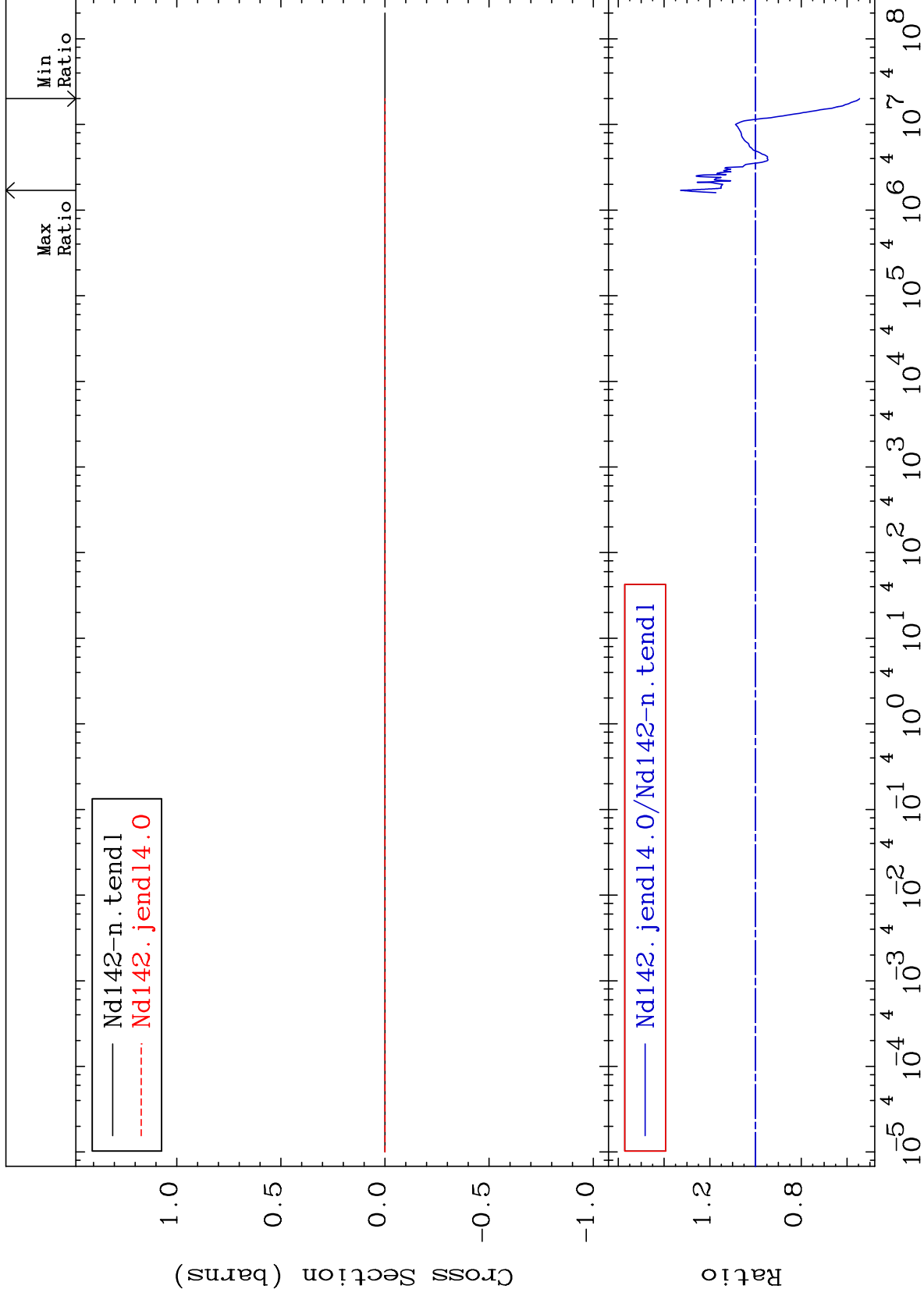
Kerma elastic  
Cross Section

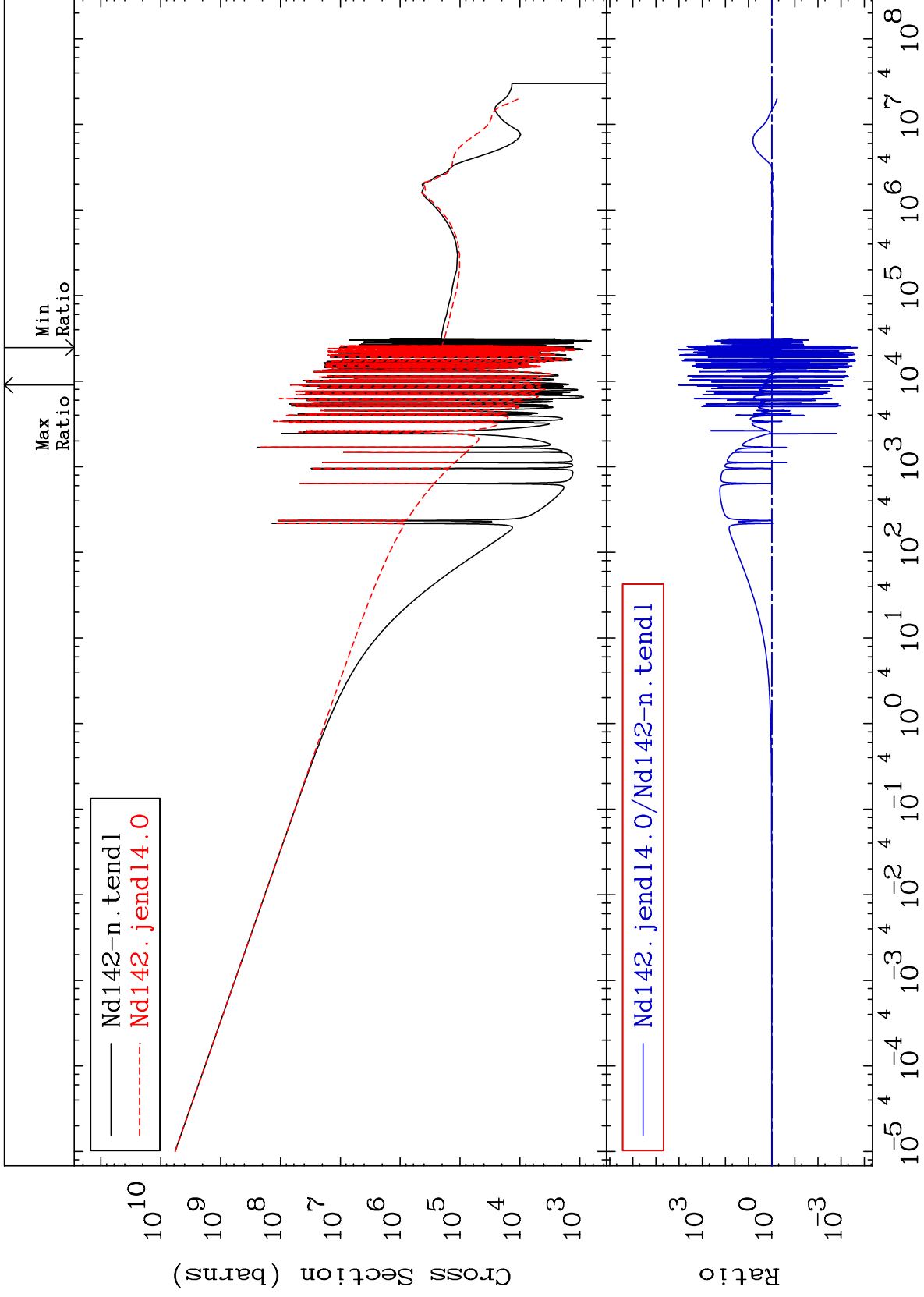
60-Nd-142  
-99.99 To 9999. %

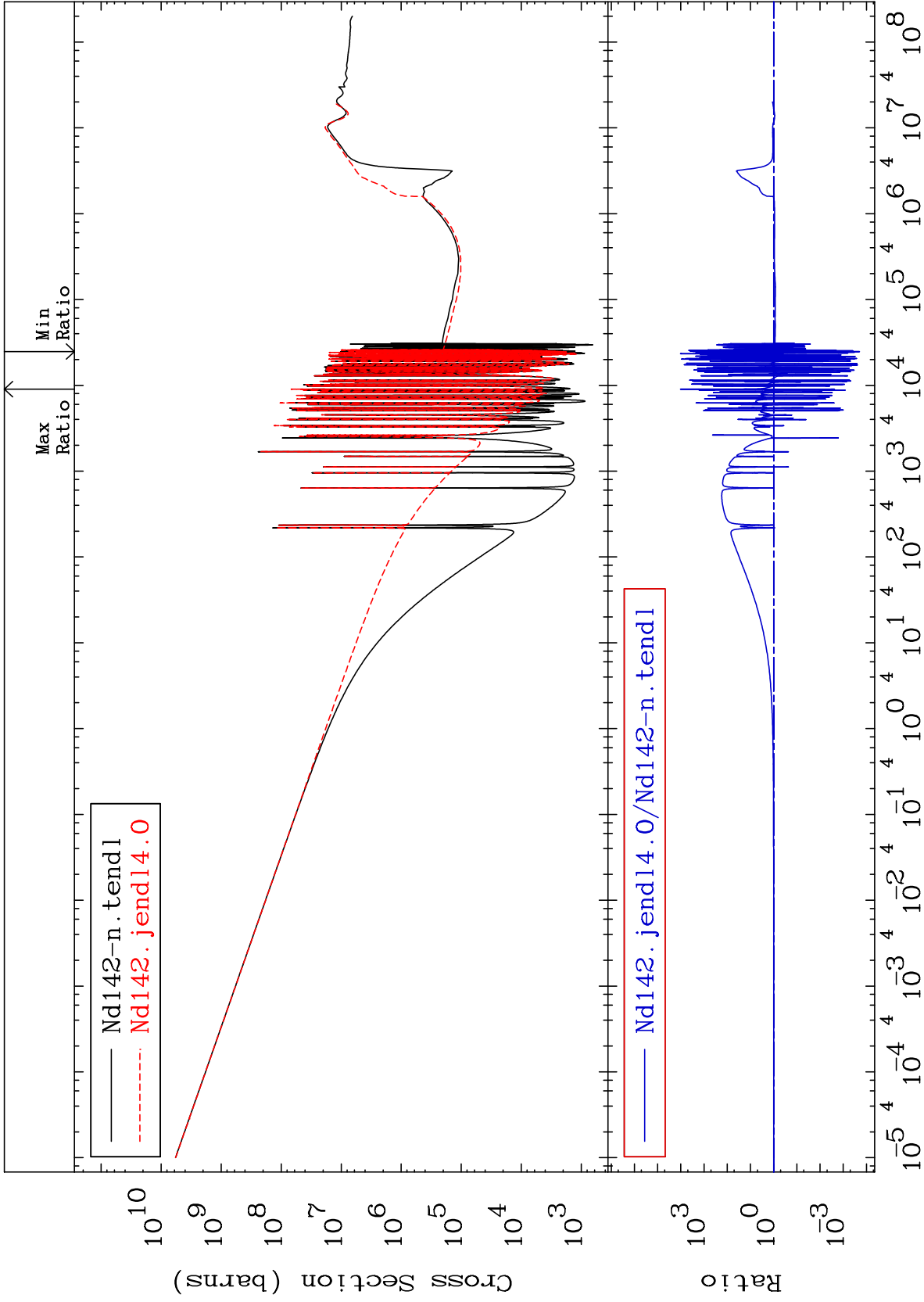




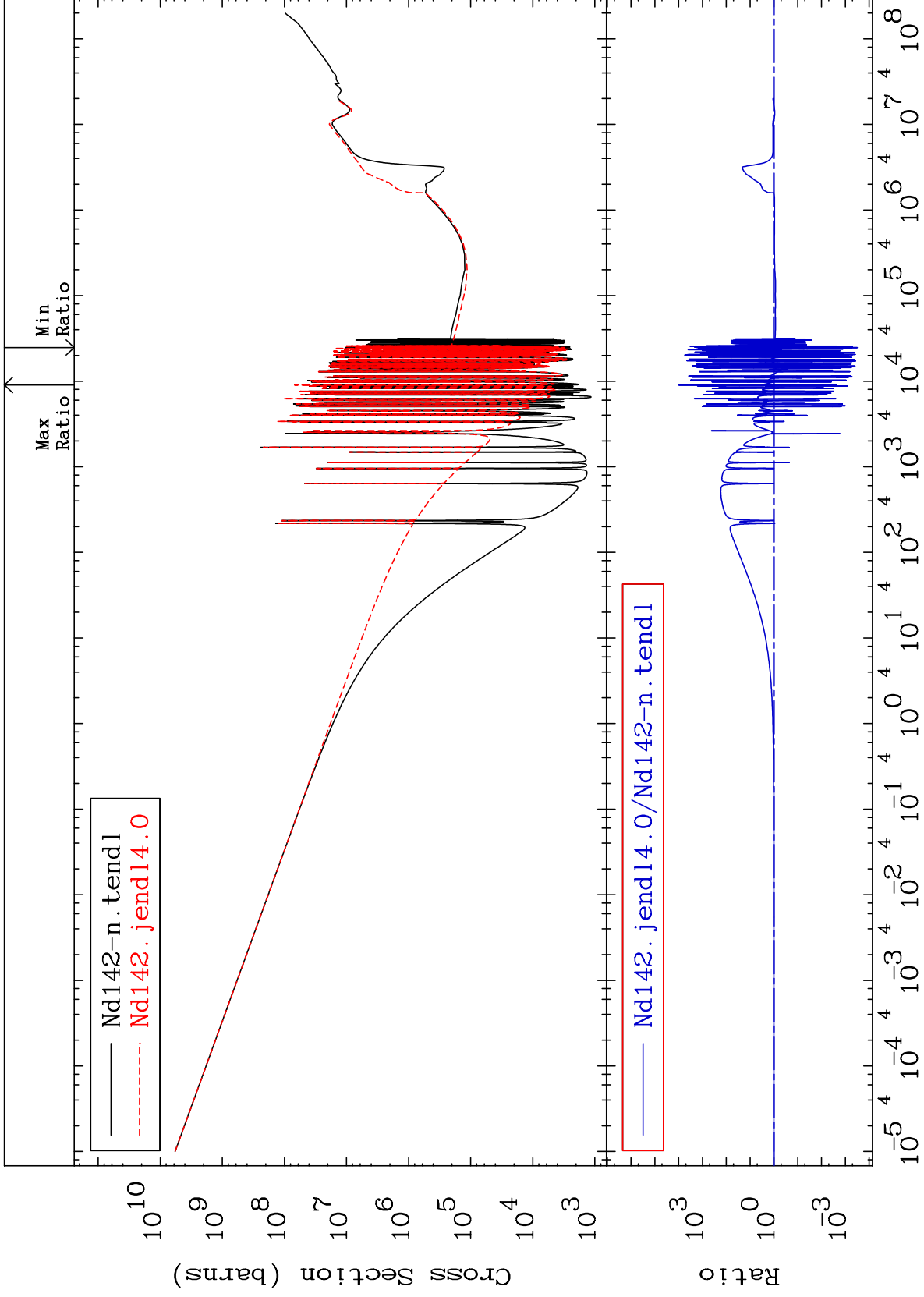








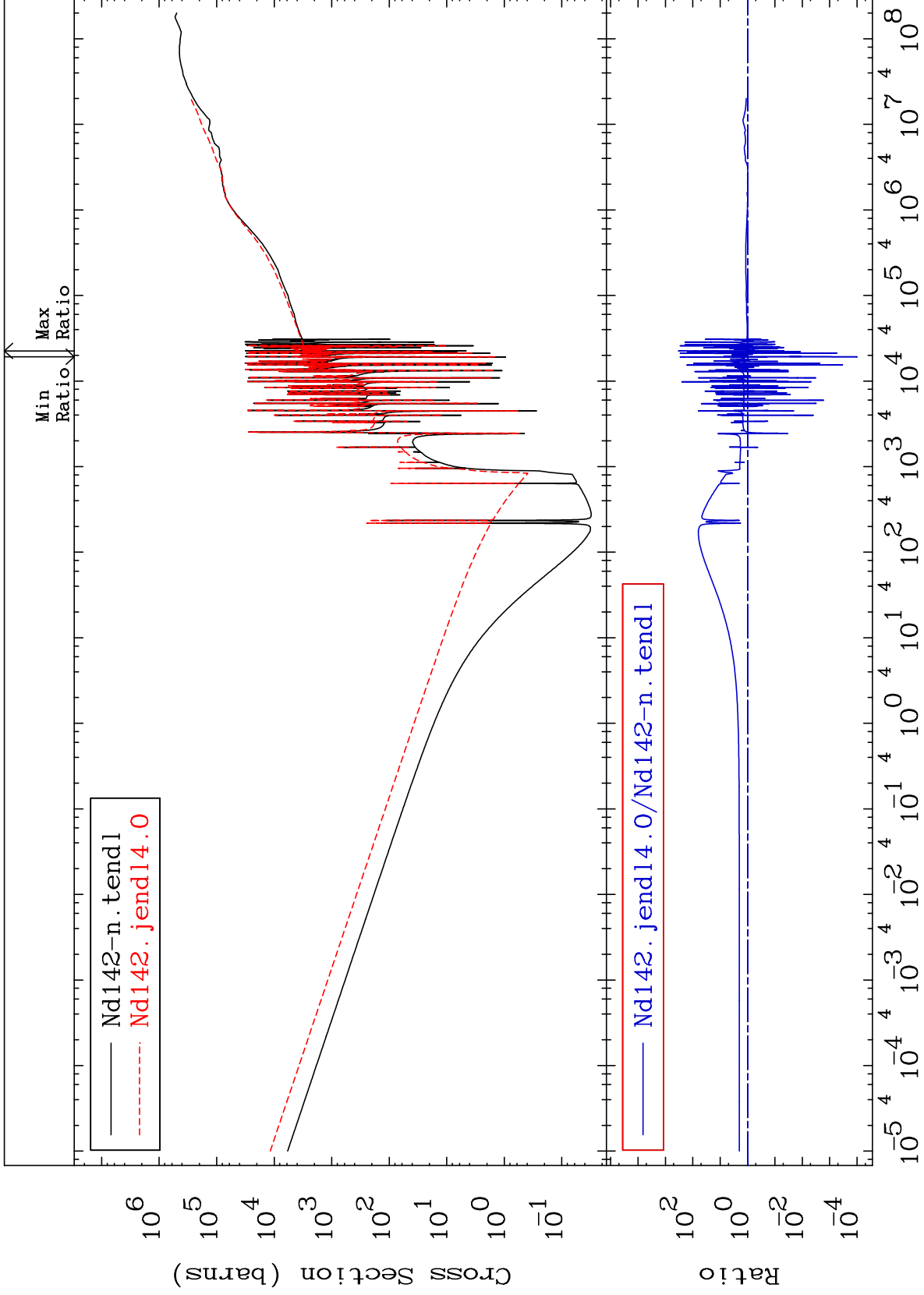




MAT 6025

Dpa total (eV-barns)  
Cross Section

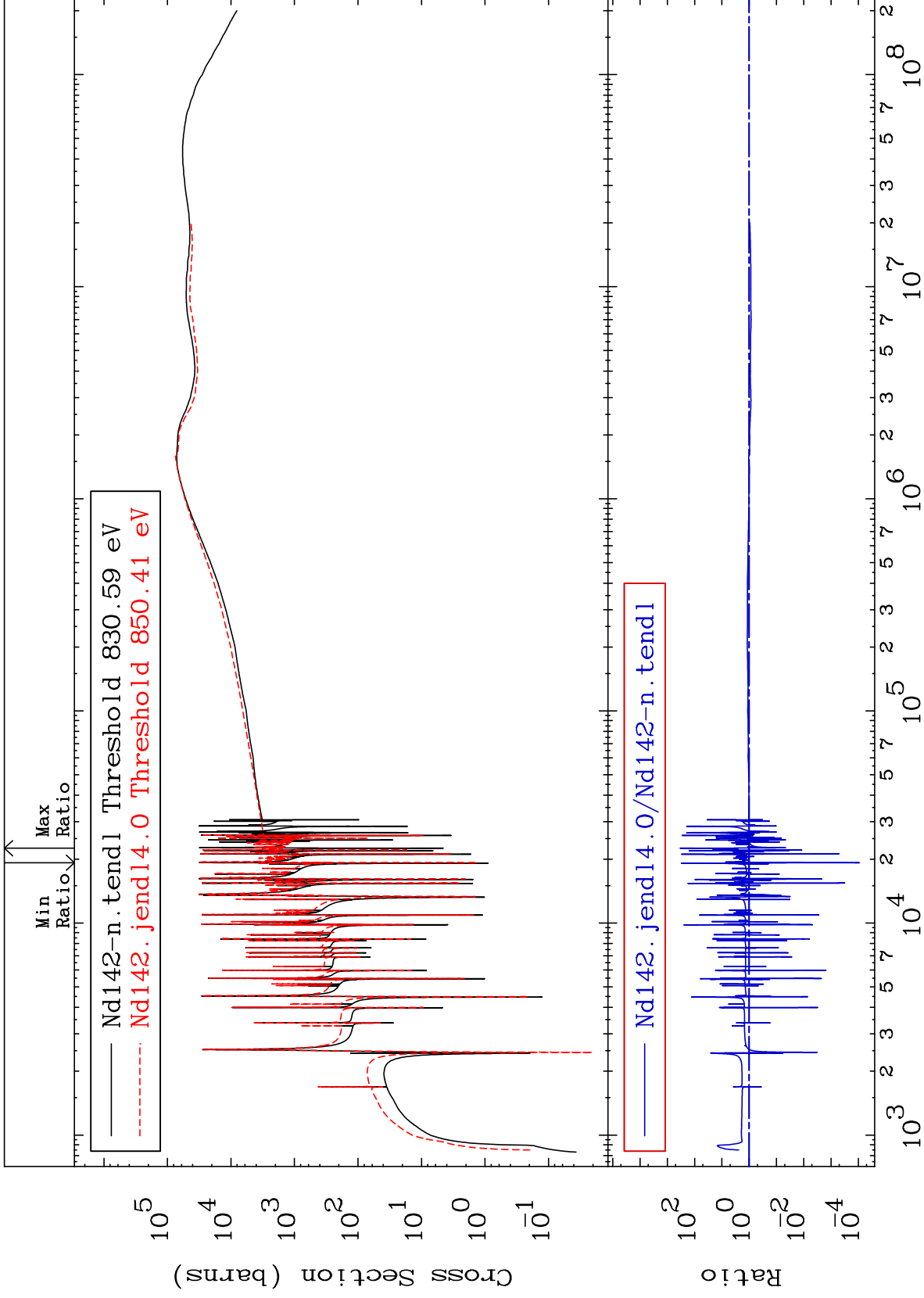
60-Nd-142  
-99.99 To 9999. %



MAT 6025

Dpa elastic (mt2)  
Cross Section

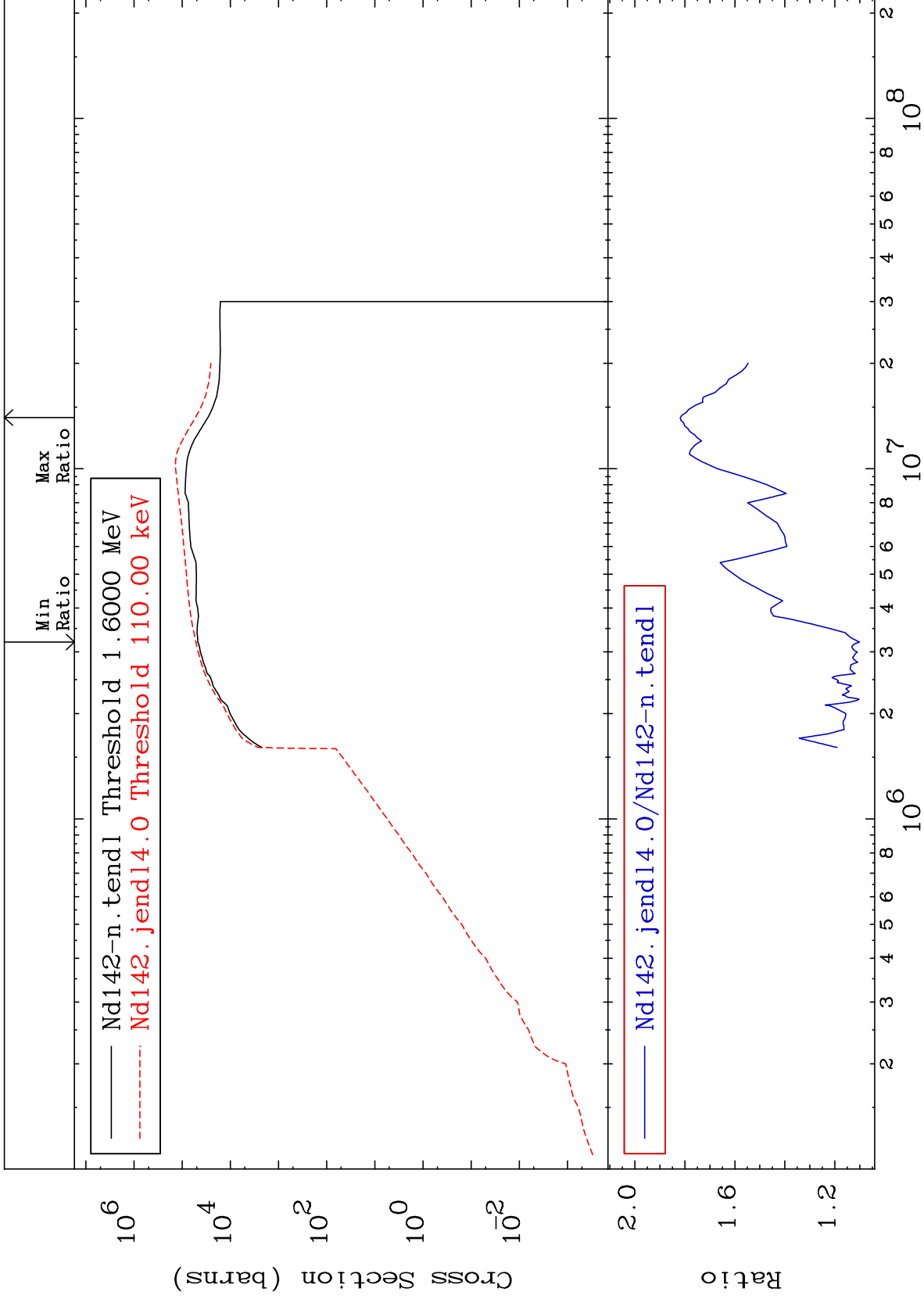
60-Nd-142  
-99.99 To 9999. %



59

Incident Energy (eV)

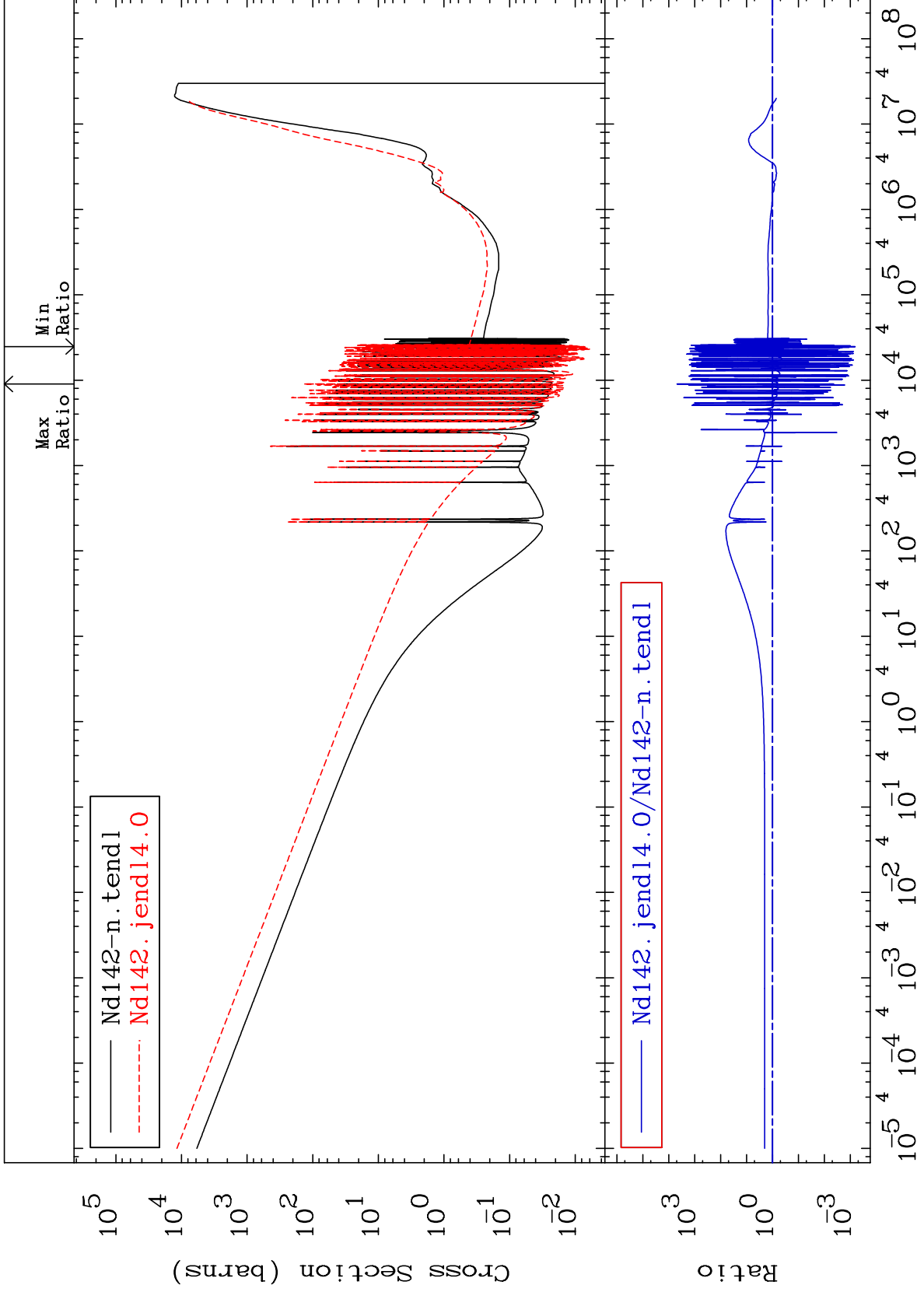
60-Nd-142



MAT 6025

Dpa disappearance (mt102 -120)  
Cross Section

60-Nd-142  
-99.93 To 9999. %



61

Incident Energy (eV)

60-Nd-142