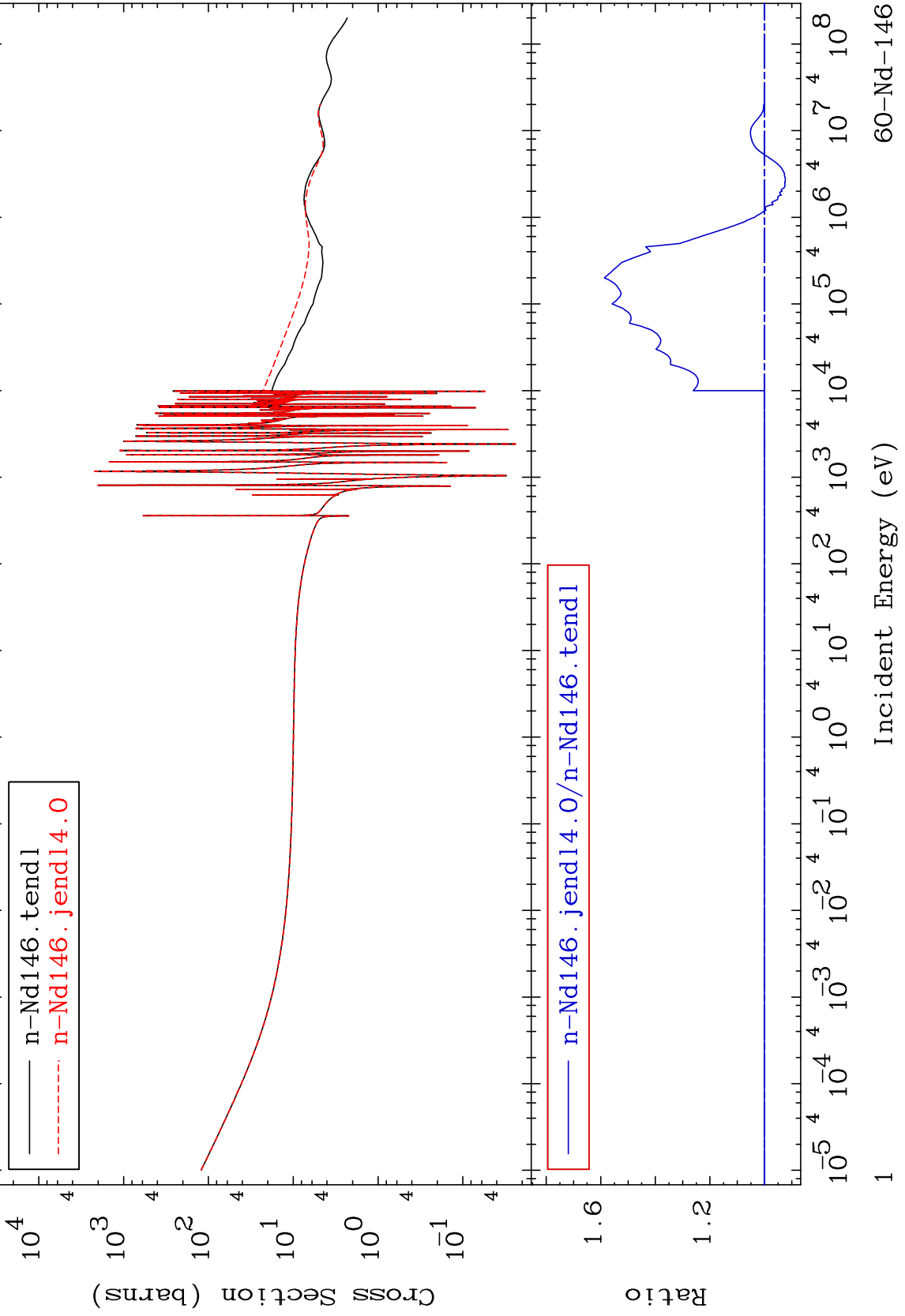


MAT 6037

Total
Cross Section

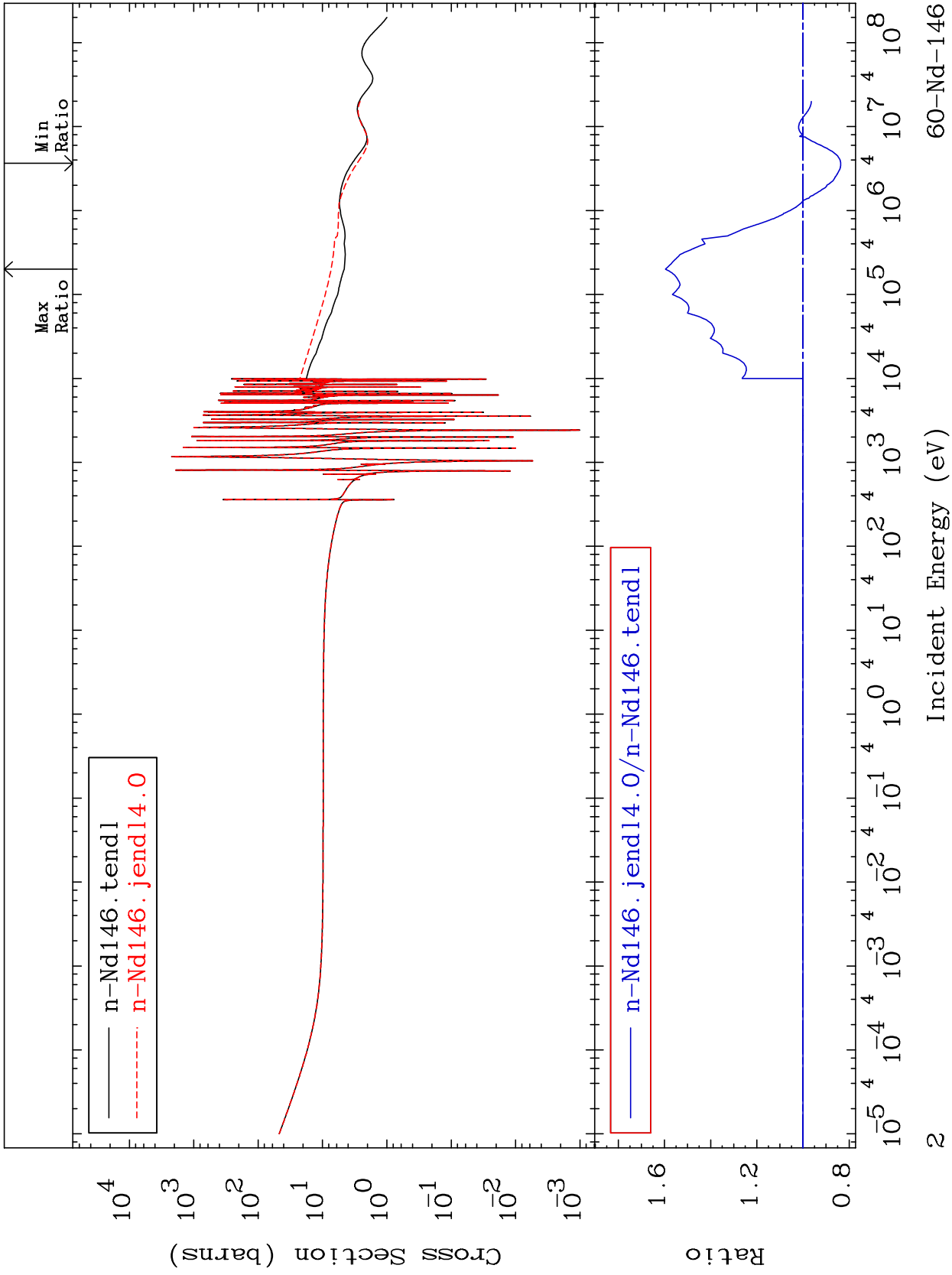
60-Nd-146
-7.611 To 58.69 %



MAT 6037

Elastic
Cross Section

60-Nd-146
-16.32 To 59.56 %



60-Nd-146

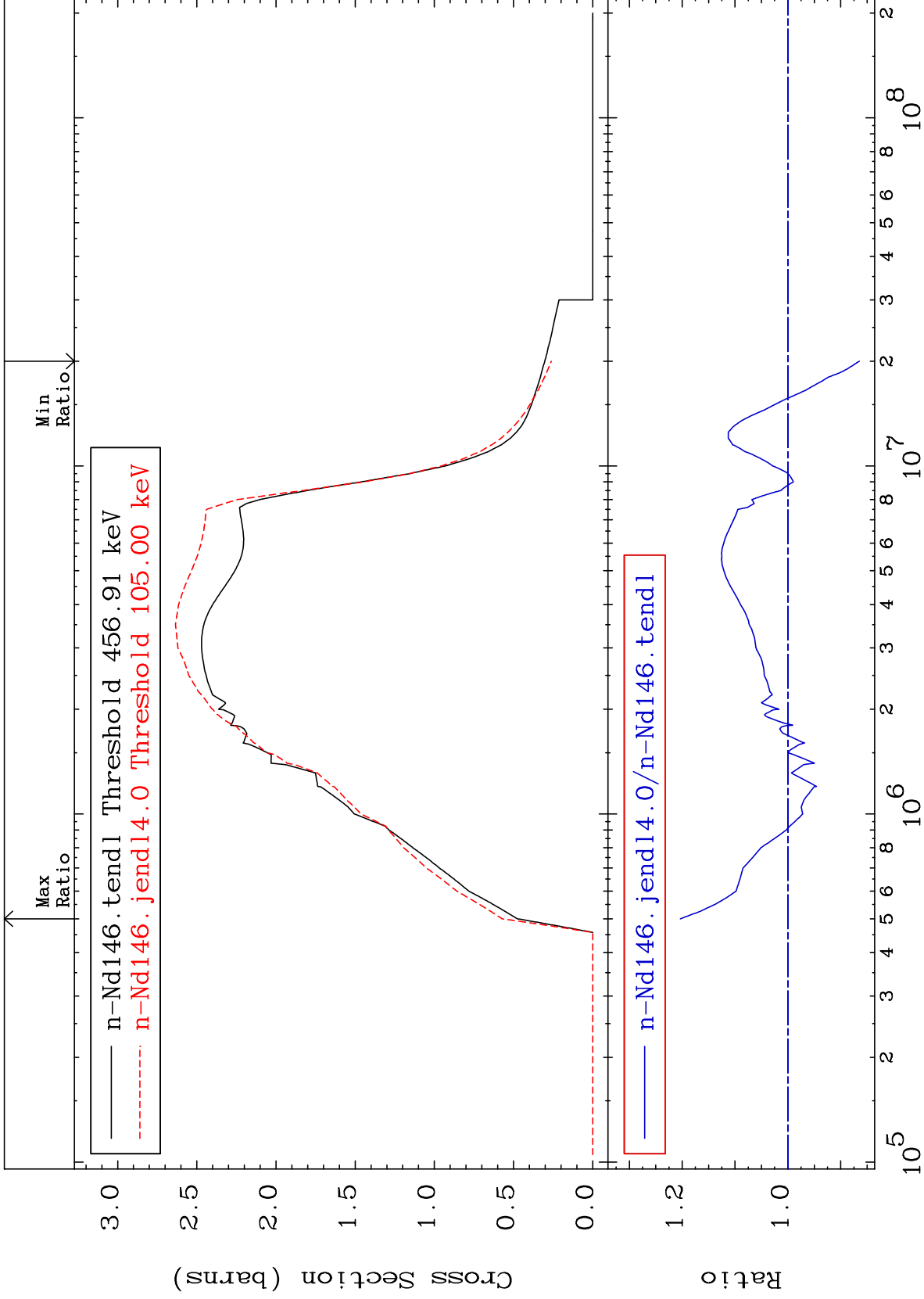
Incident Energy (eV)

2

MAT 6037

Inelastic
Cross Section

60-Nd-146
-13.55 To 20.35 %



MAT 6037

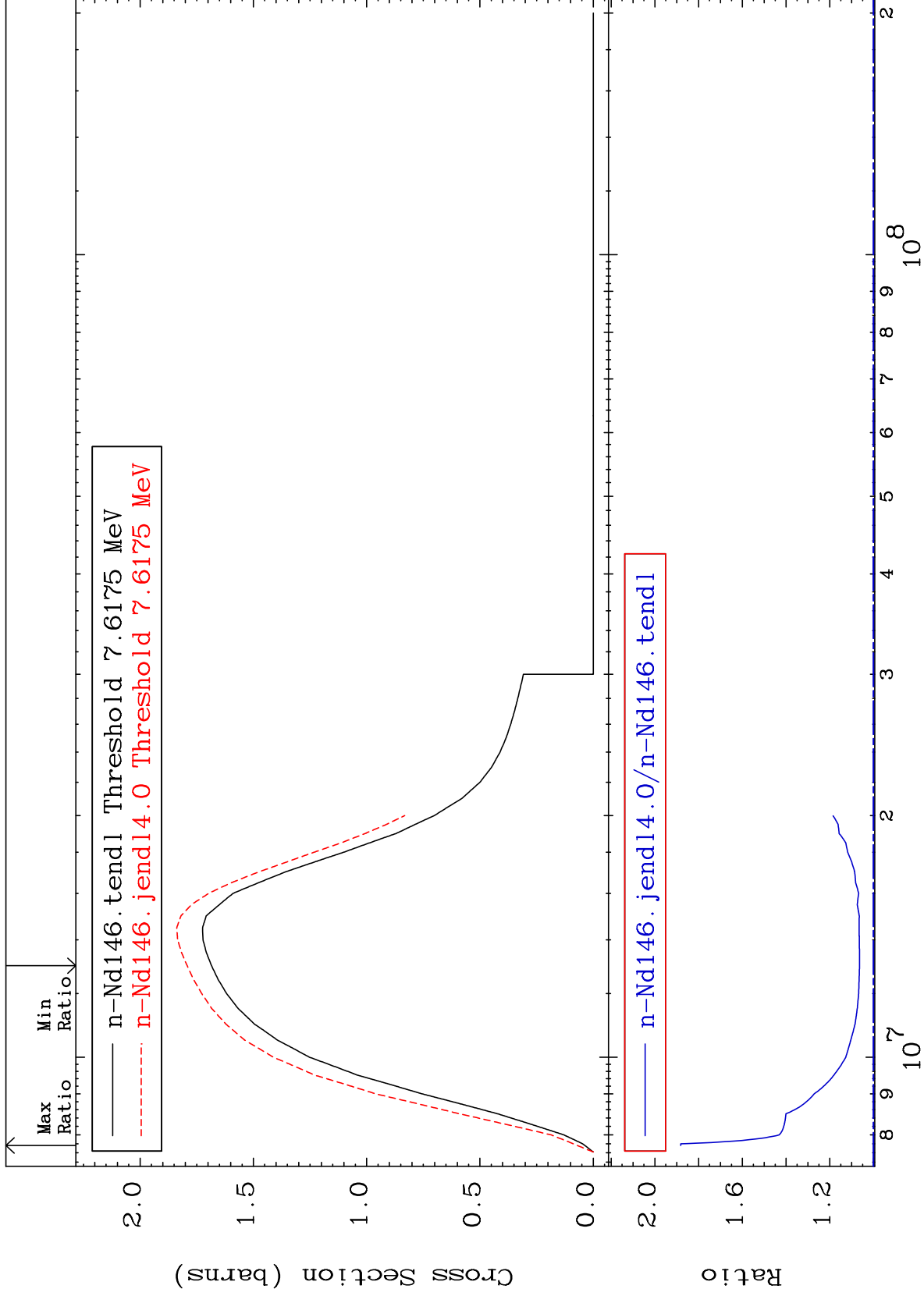
(n,2n)

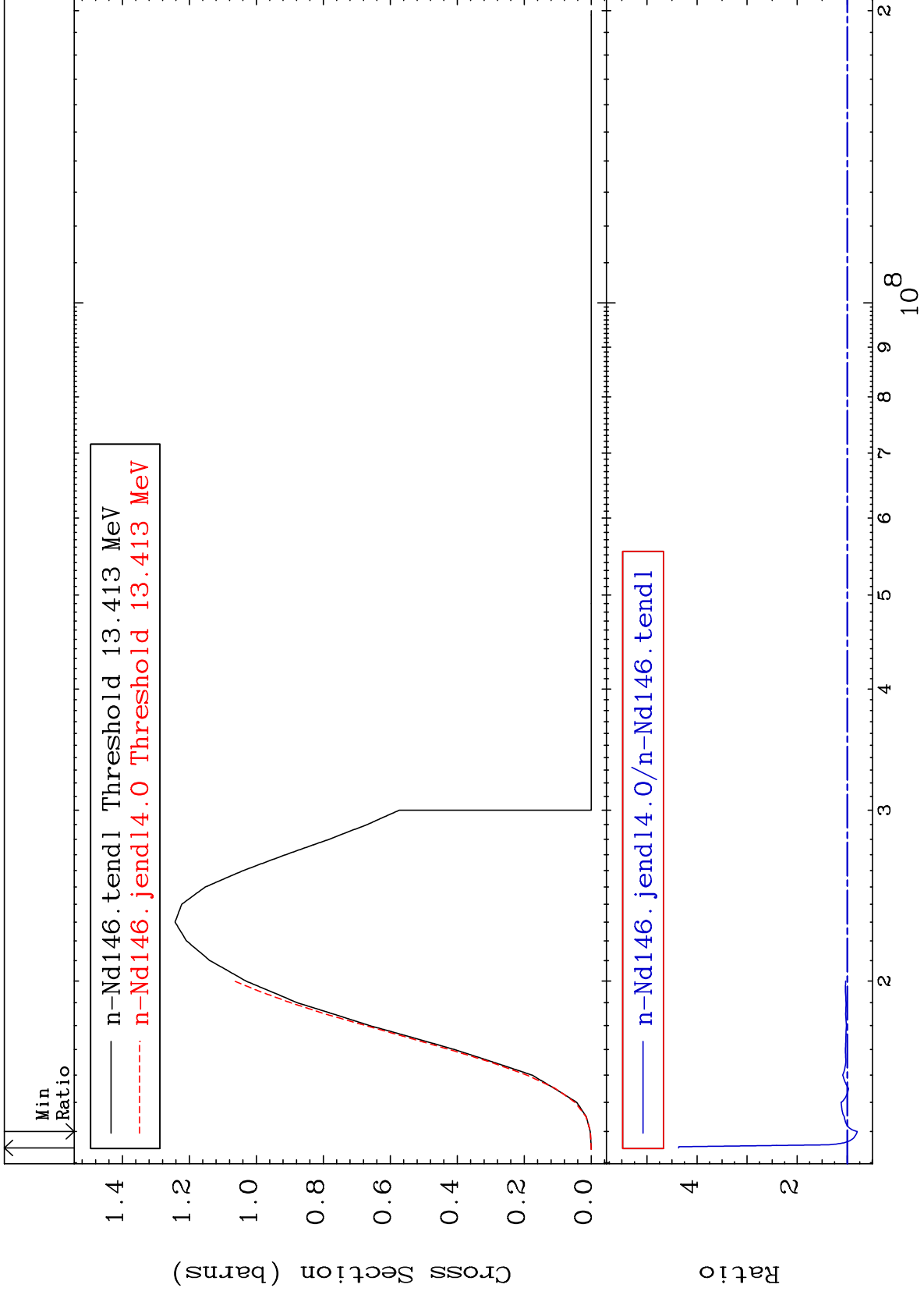
60-Nd-146

Cross Section

6.388

To 88.17 %





MAT 6037

60-Nd-146

(n, n') α

Cross Section

Cross Section

-100.0 To 9999. %

Min Ratio

Max Ratio

n-Nd146.tendl Threshold 10.000 keV
n-Nd146.jendl4.0 Threshold 900.00 keV

Cross Section (milli-barns)

14

12

10

8

6

4

2

0

10^7

10^0

10^{-7}

10^{-14}

n-Nd146.jendl4.0/n-Nd146.tendl

Ratio

10^4

2

3

4

5

7

10^5

2

3

4

5

7

10^7

2

3

4

5

7

10^8

6

Incident Energy (eV)

60-Nd-146

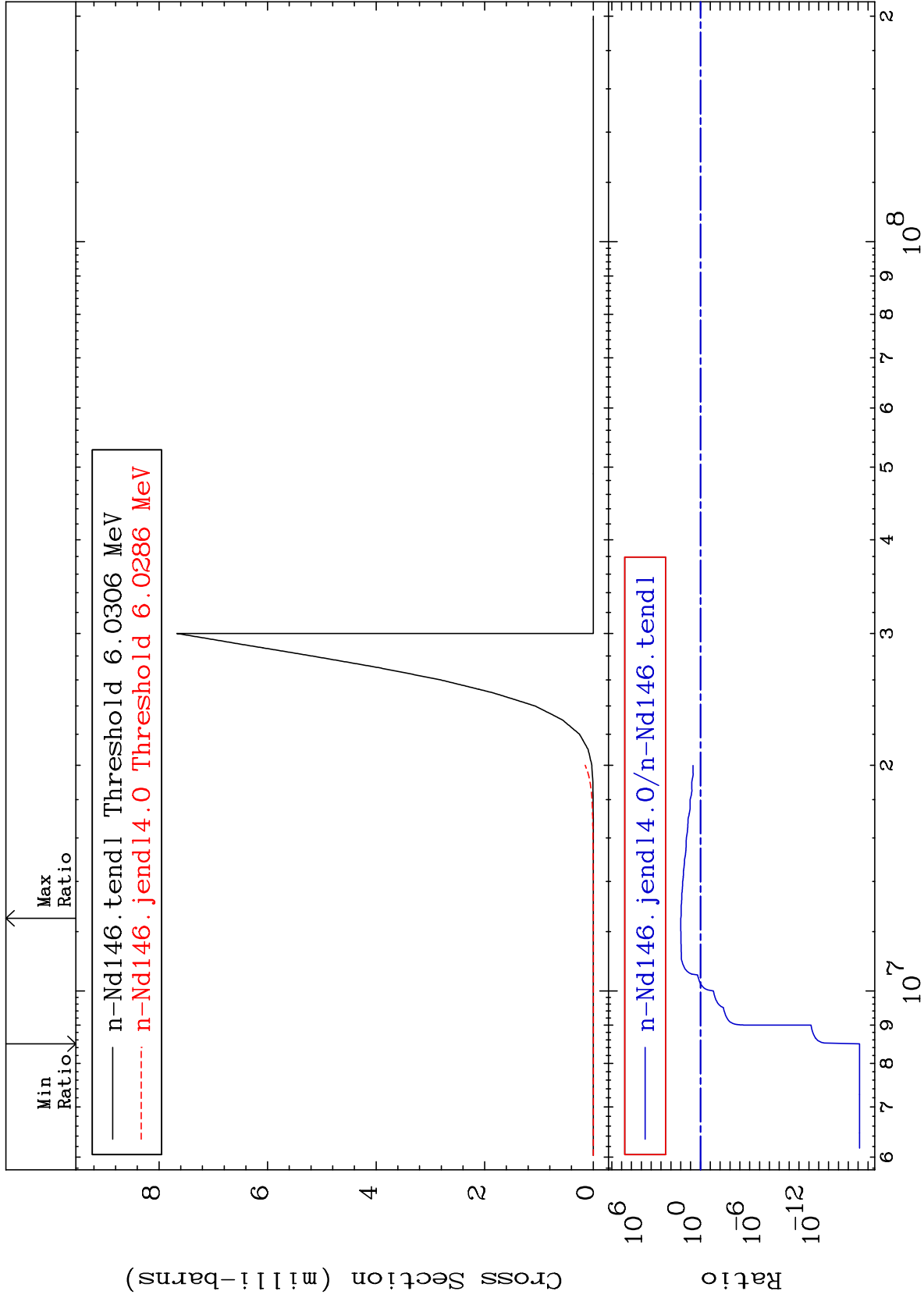
MAT 6037

(n,2n) α

60-Nd-146

Cross Section

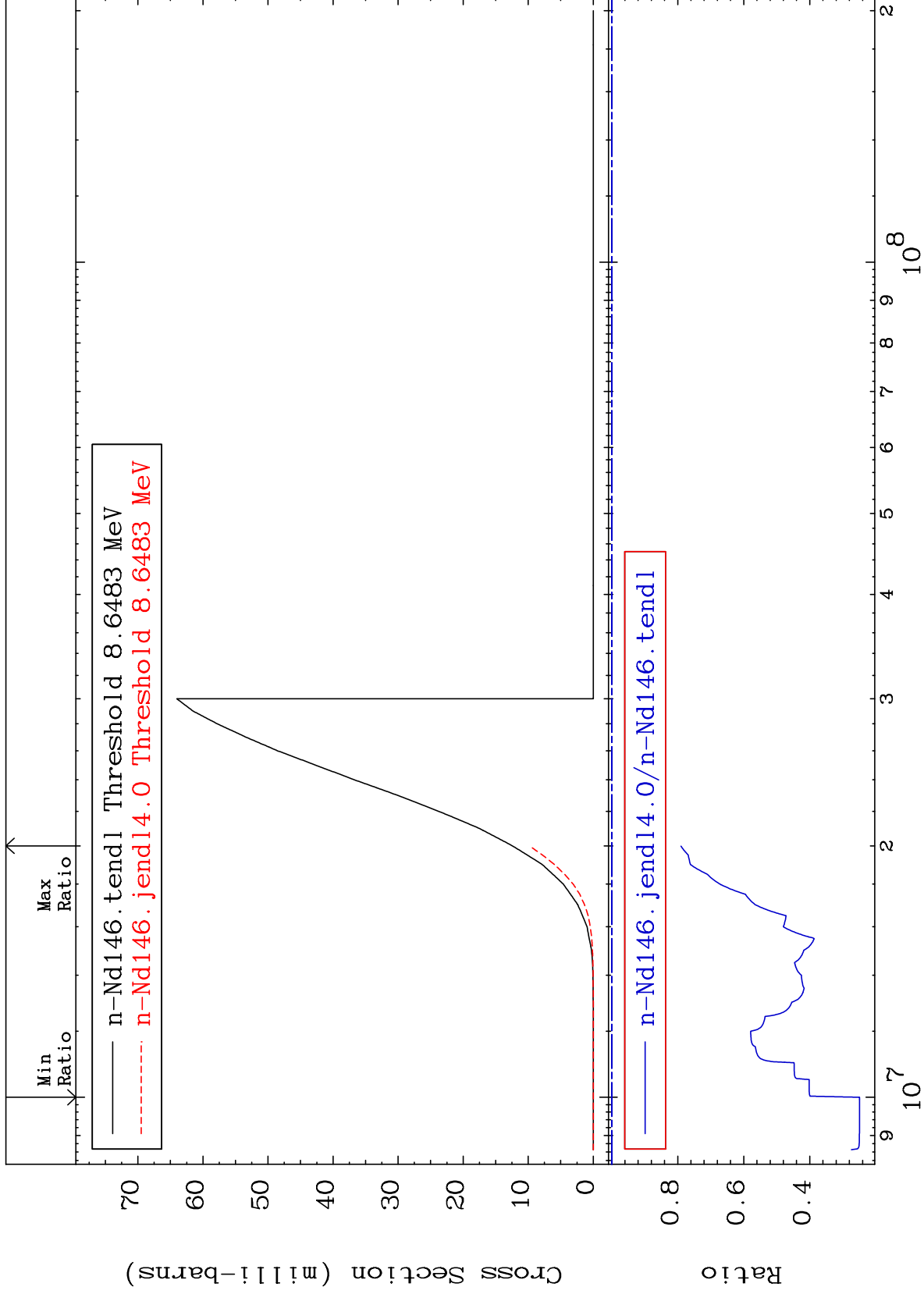
-100.0 To 9797. %



MAT 6037

(n,n') p
Cross Section

60-Nd-146
-75.08 To -20.92%



8

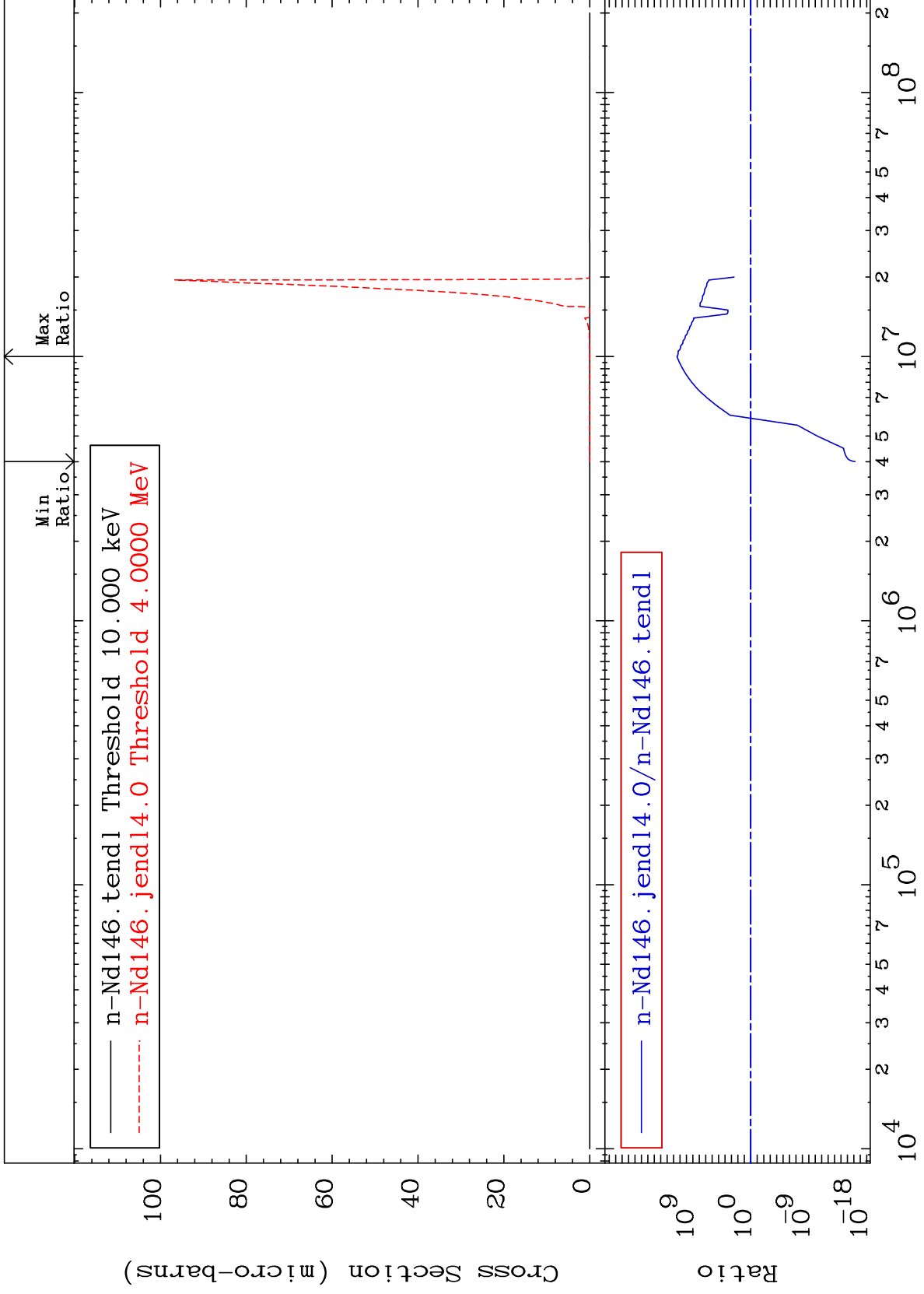
60-Nd-146

60-Nd-146

MAT 6037

(n, n') 2α
Cross Section

60-Nd-146
-100.0 To 9999. %



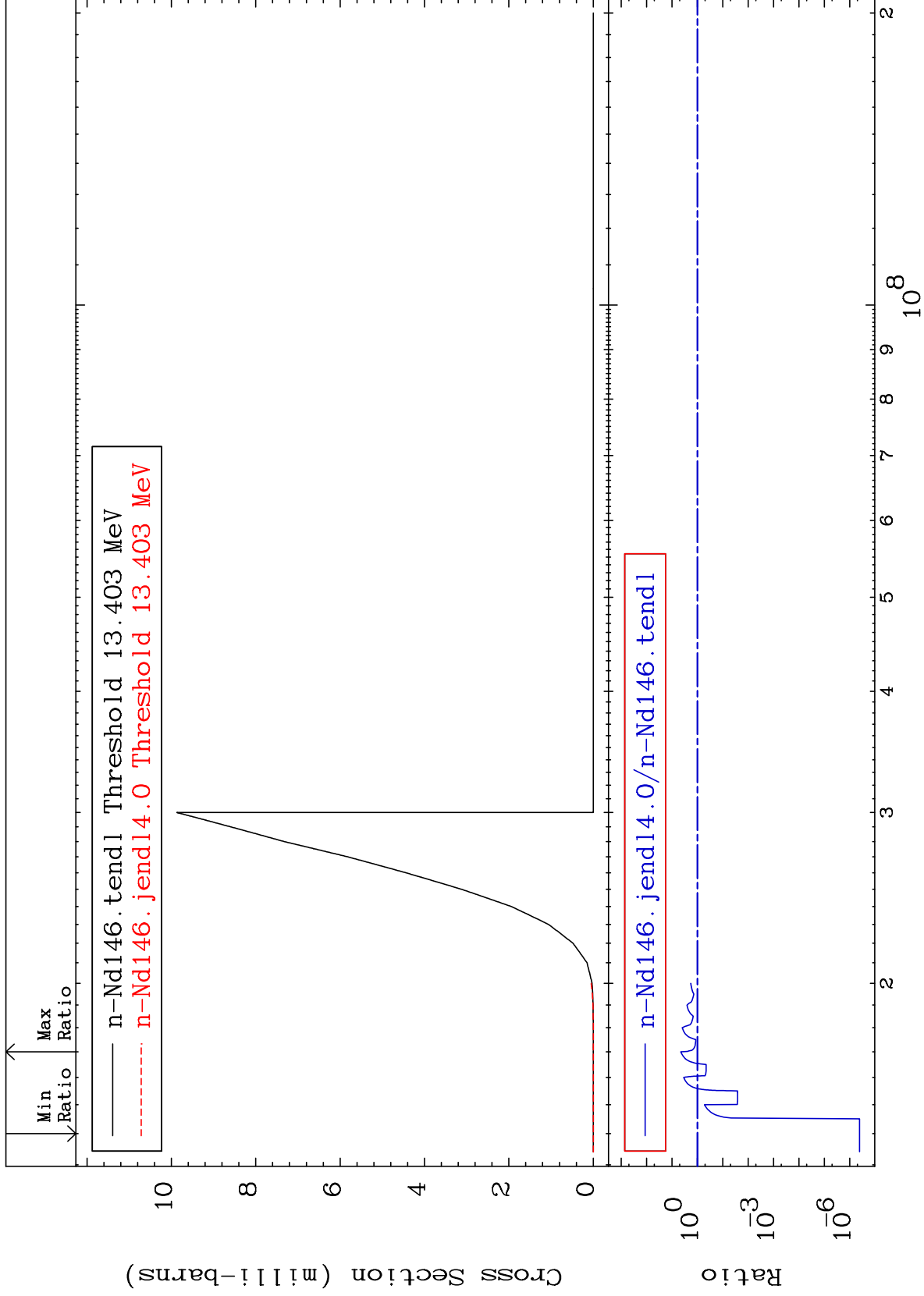
MAT 6037

(n,n') d

60-Nd-146

Cross Section

-100.0 To 353.0 %



10

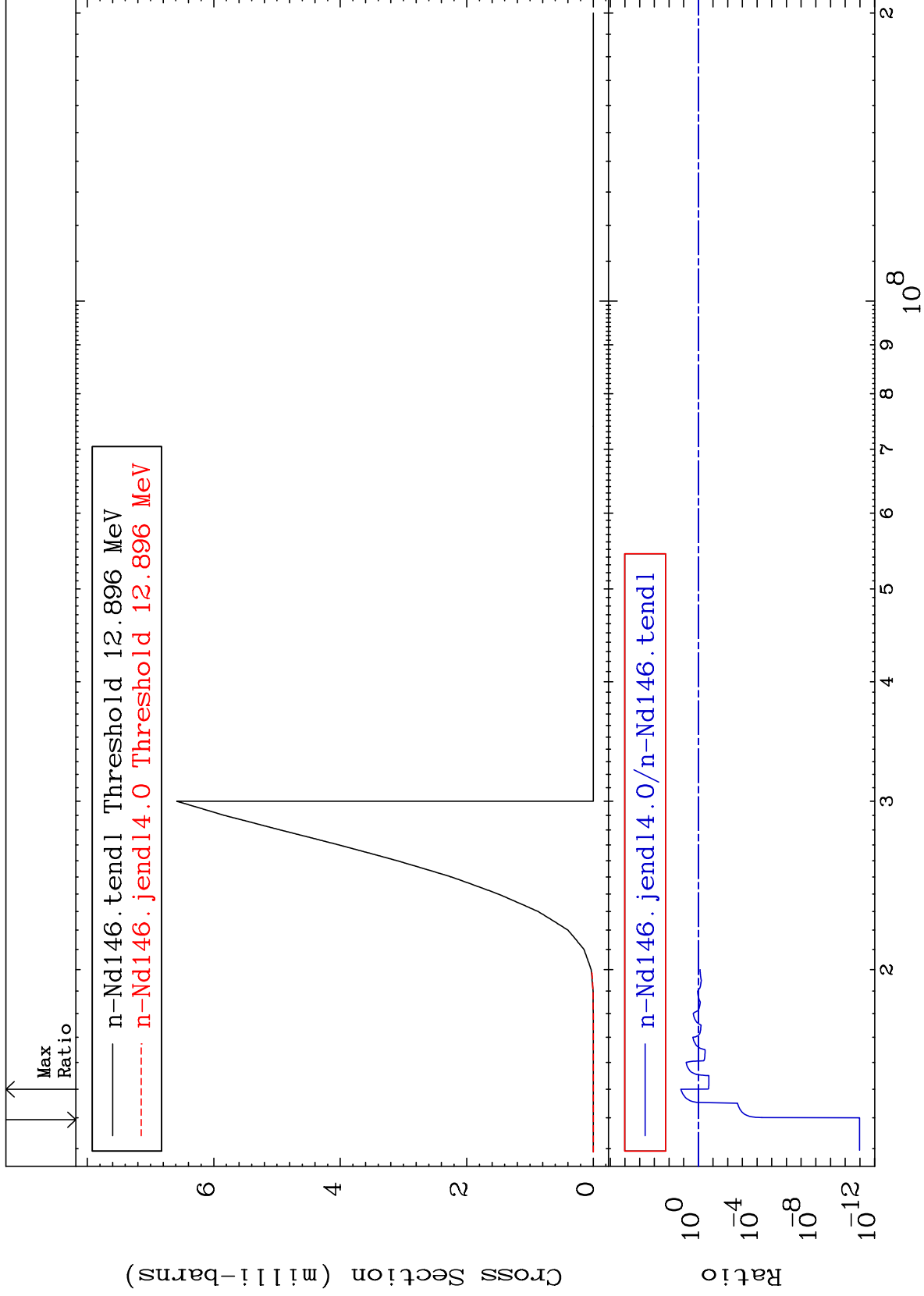
Incident Energy (eV)

60-Nd-146

MAT 6037

(n,n') t
Cross Section

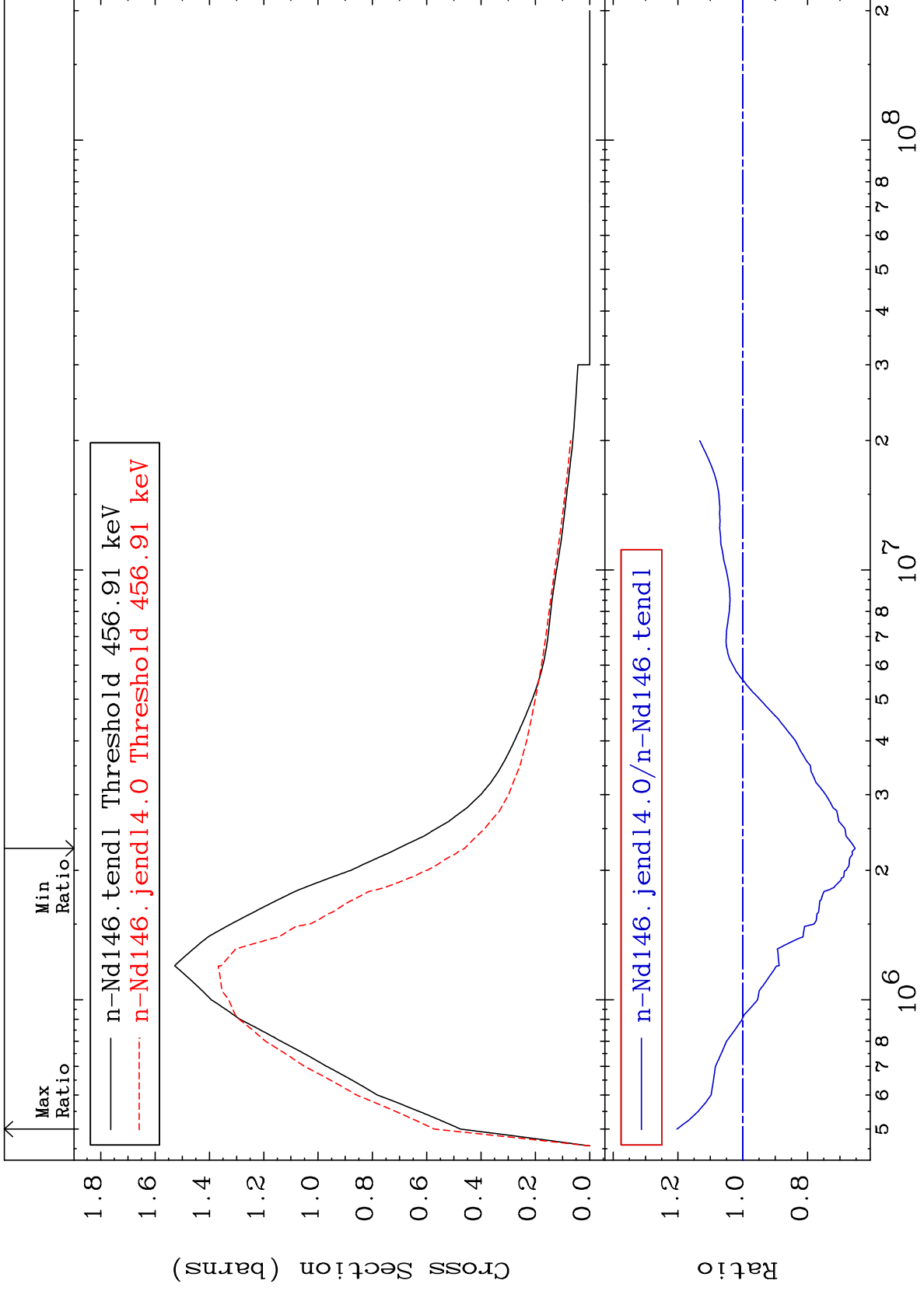
60-Nd-146
-100.0 To 1482. %



MAT 6037

MT= 51 (n,n') Level
Cross Section

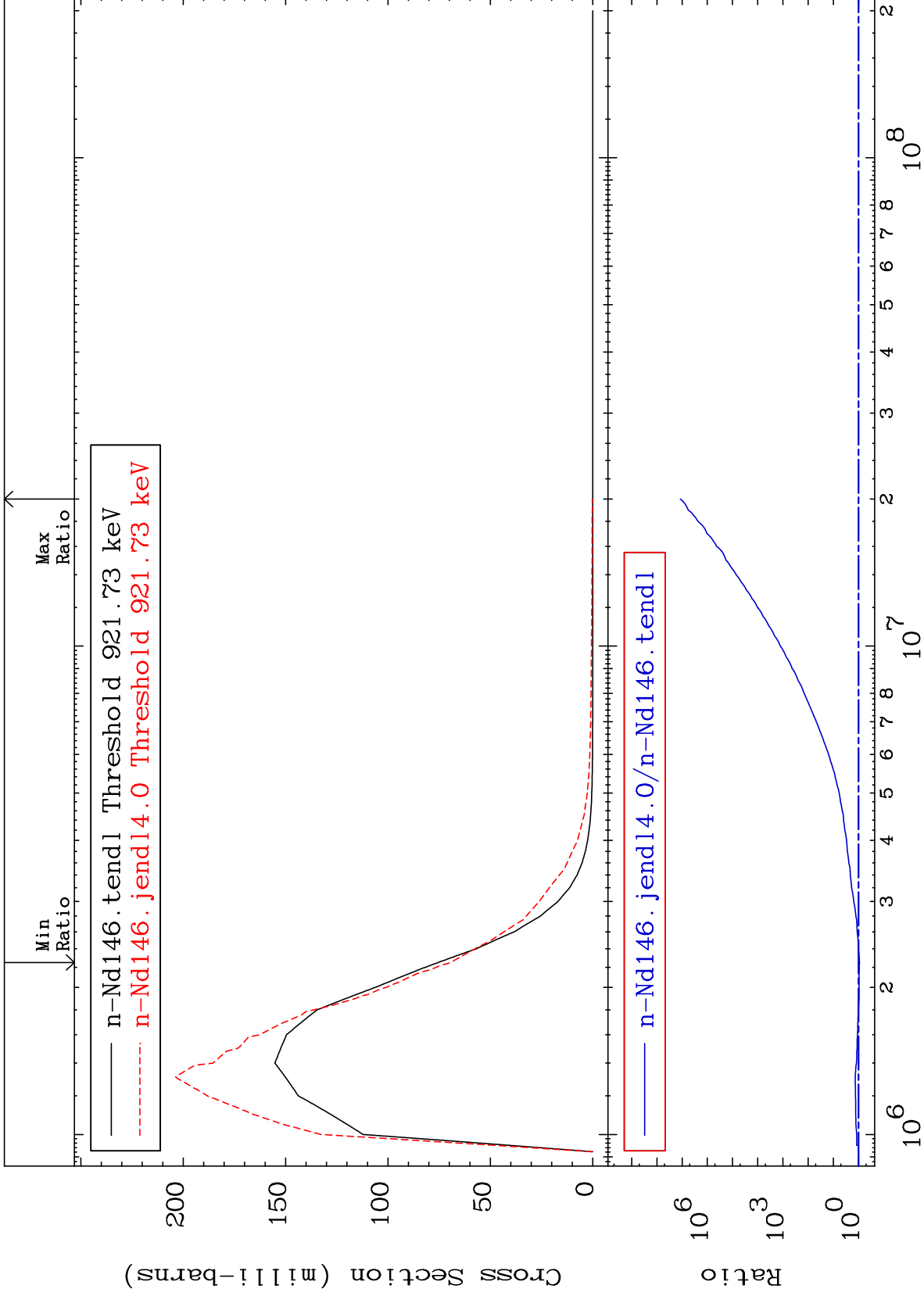
60-Nd-146
-34.67 To 20.32 %



MAT 6037

MT= 52 (n,n') Level
Cross Section

60-Nd-146
-8.091 To 9999. %



13

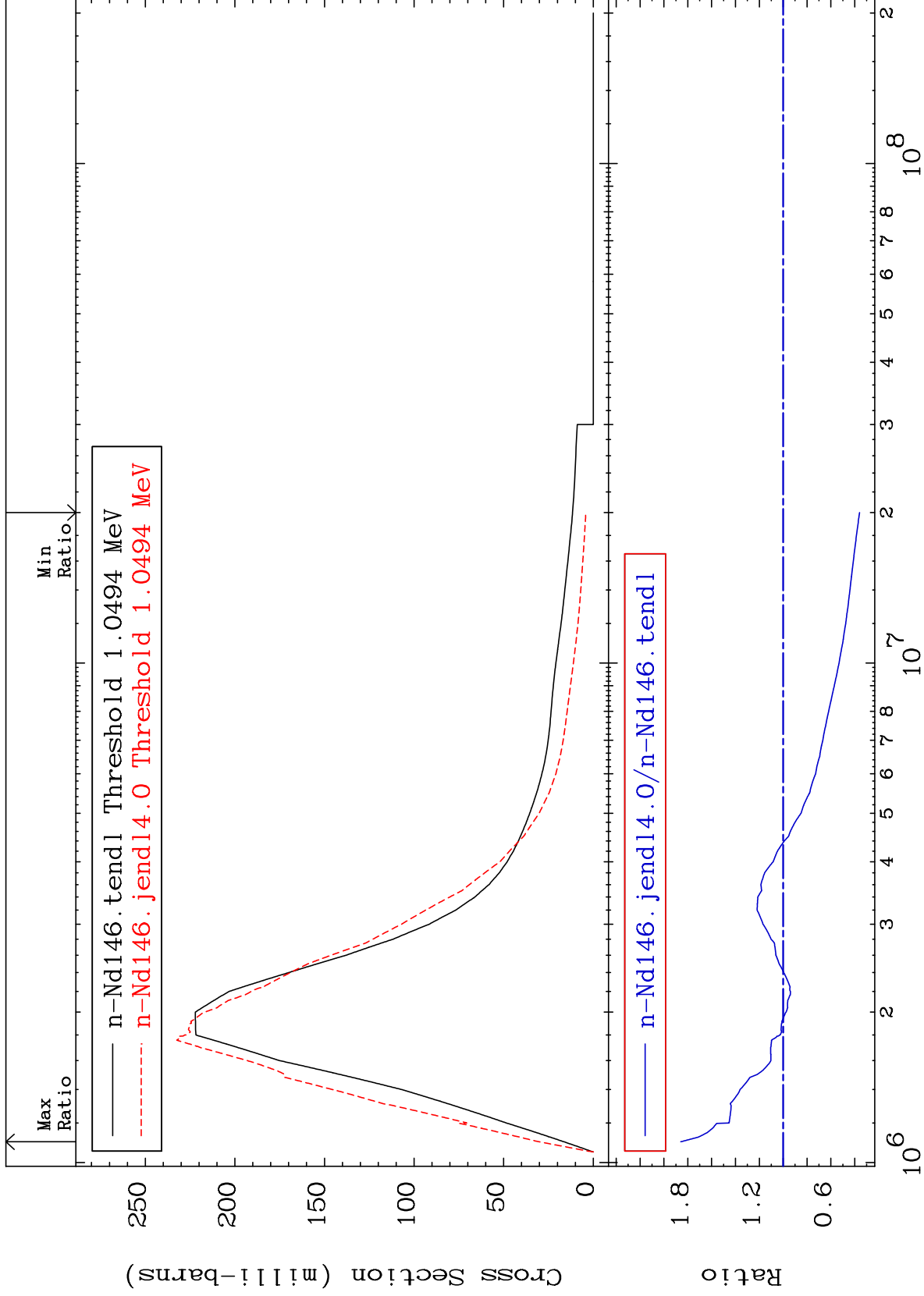
Incident Energy (eV)

60-Nd-146

MAT 6037

MT= 53 (n,n') Level
Cross Section

60-Nd-146
-64.05 To 85.87 %



14

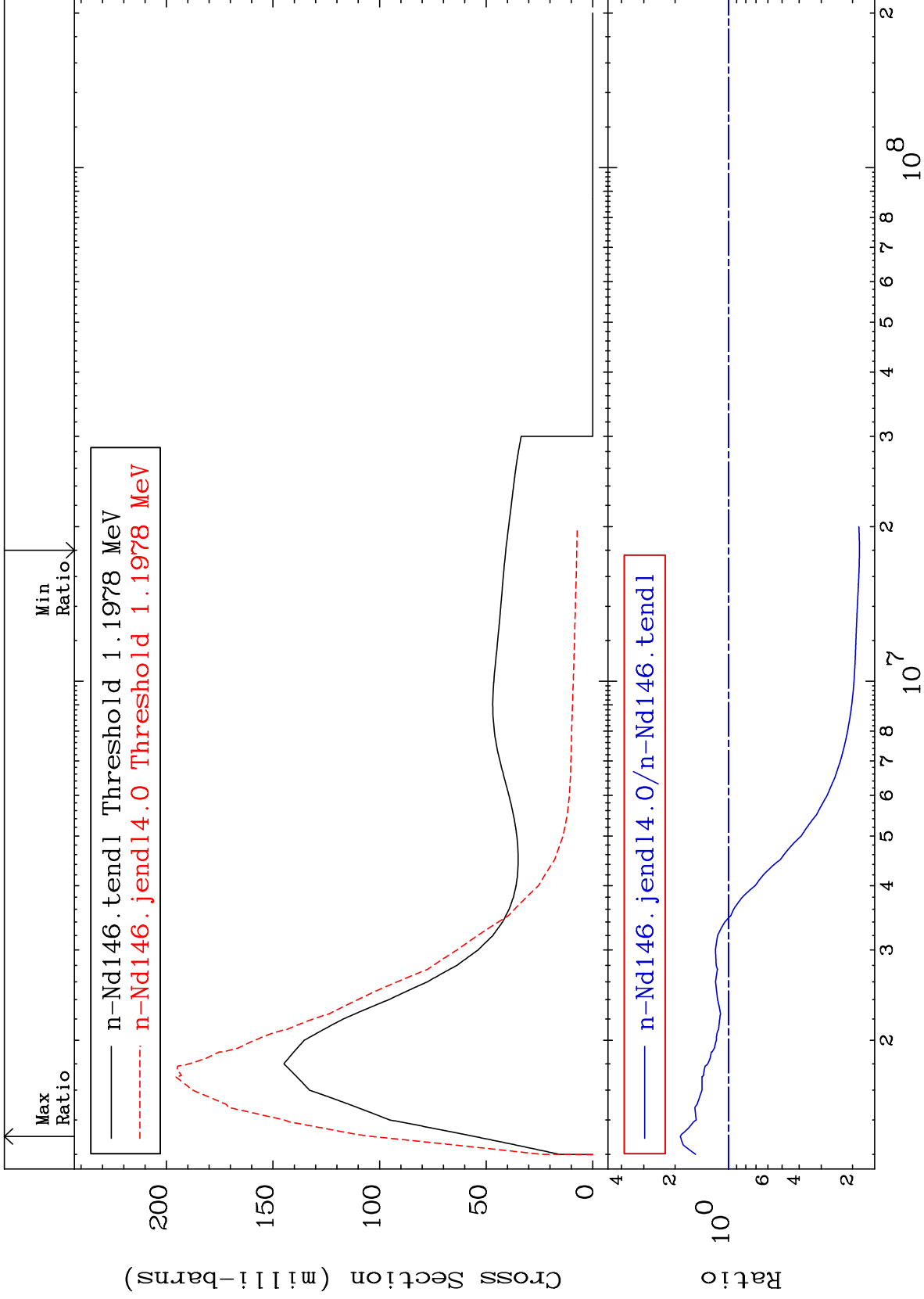
Incident Energy (eV)

60-Nd-146

MAT 6037

MT= 54 (n, n') Level
Cross Section

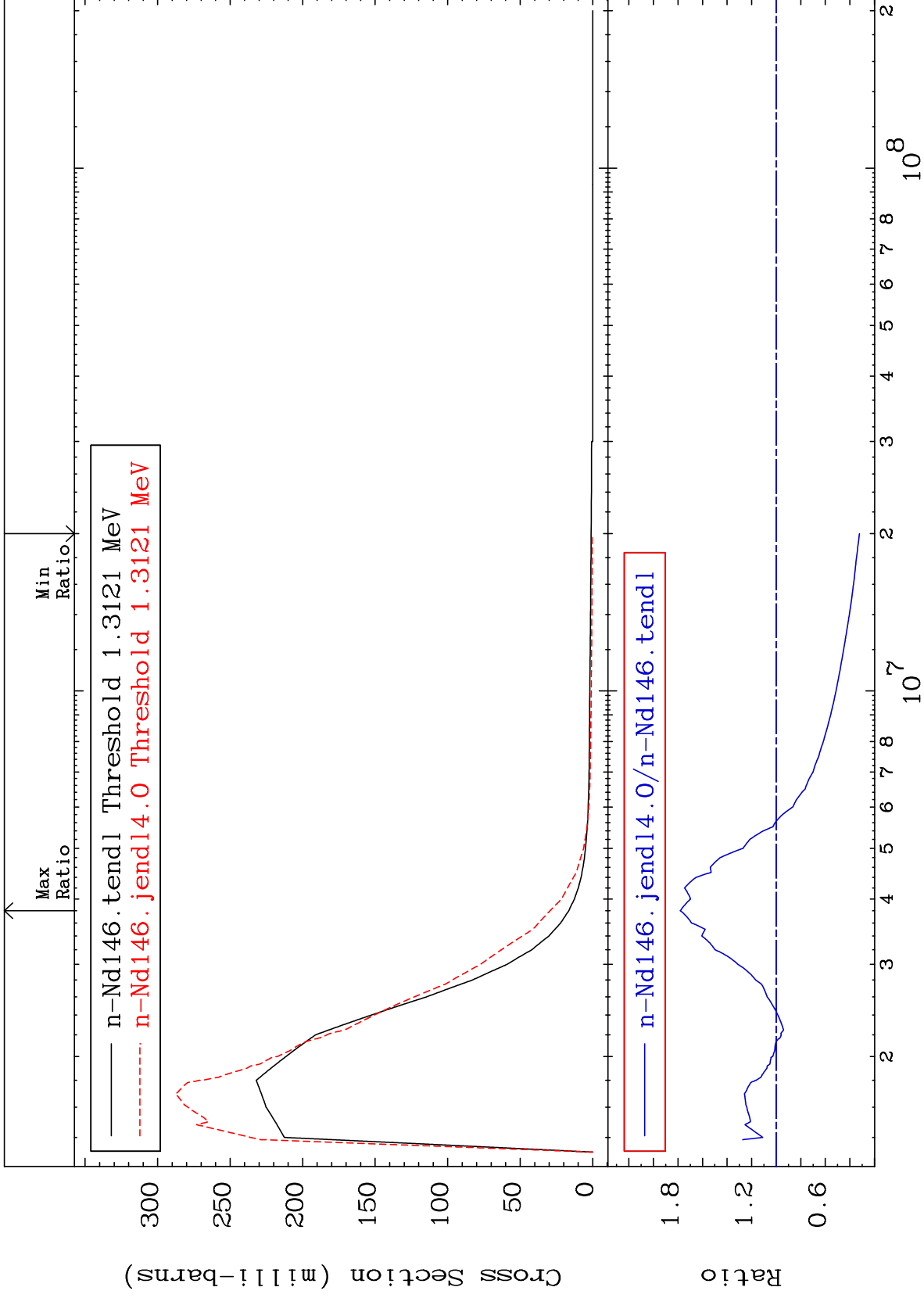
60-Nd-146
-81.69 To 86.73 %



MAT 6037

MT= 55 (n,n') Level
Cross Section

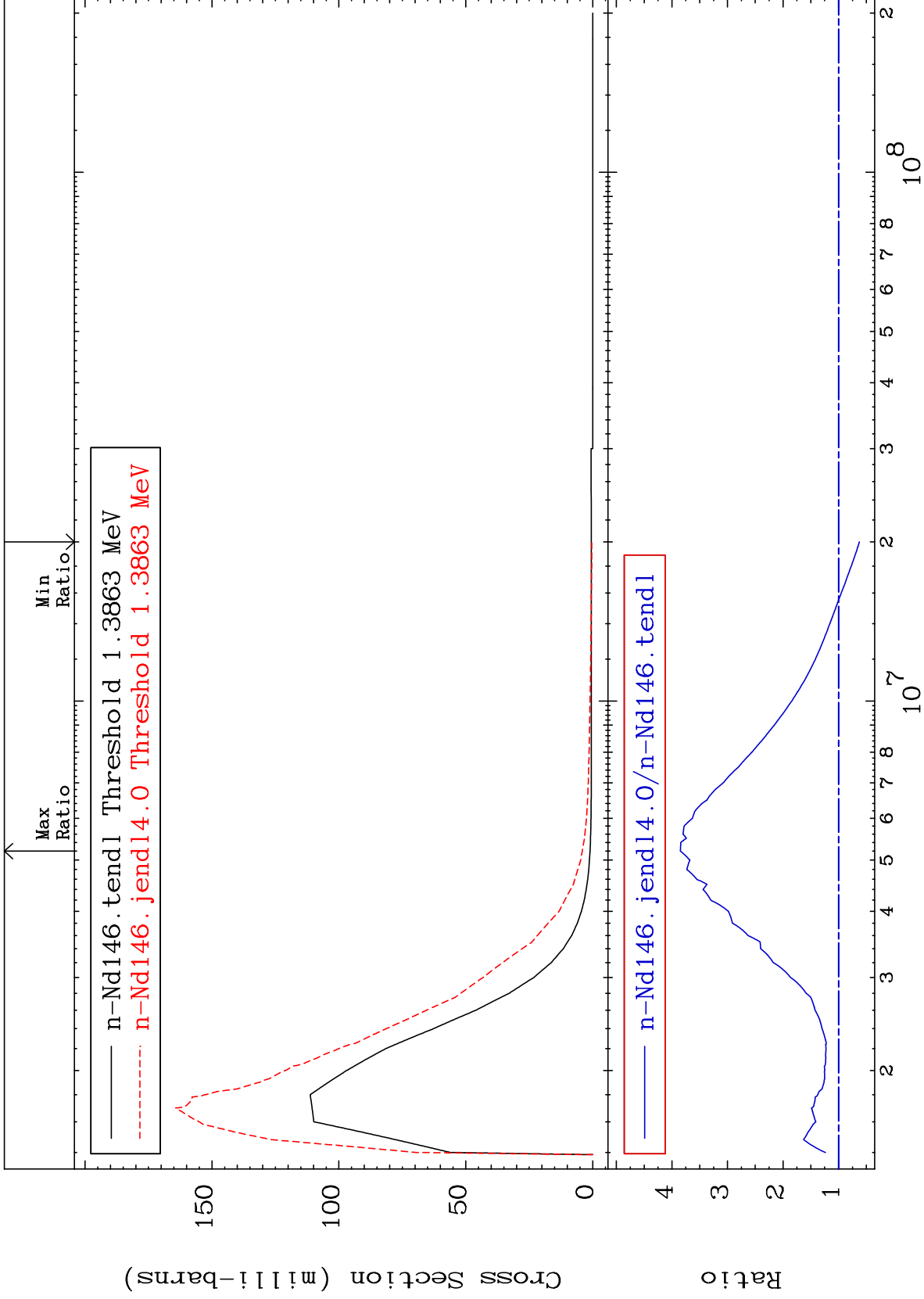
60-Nd-146
-67.79 To 78.07 %

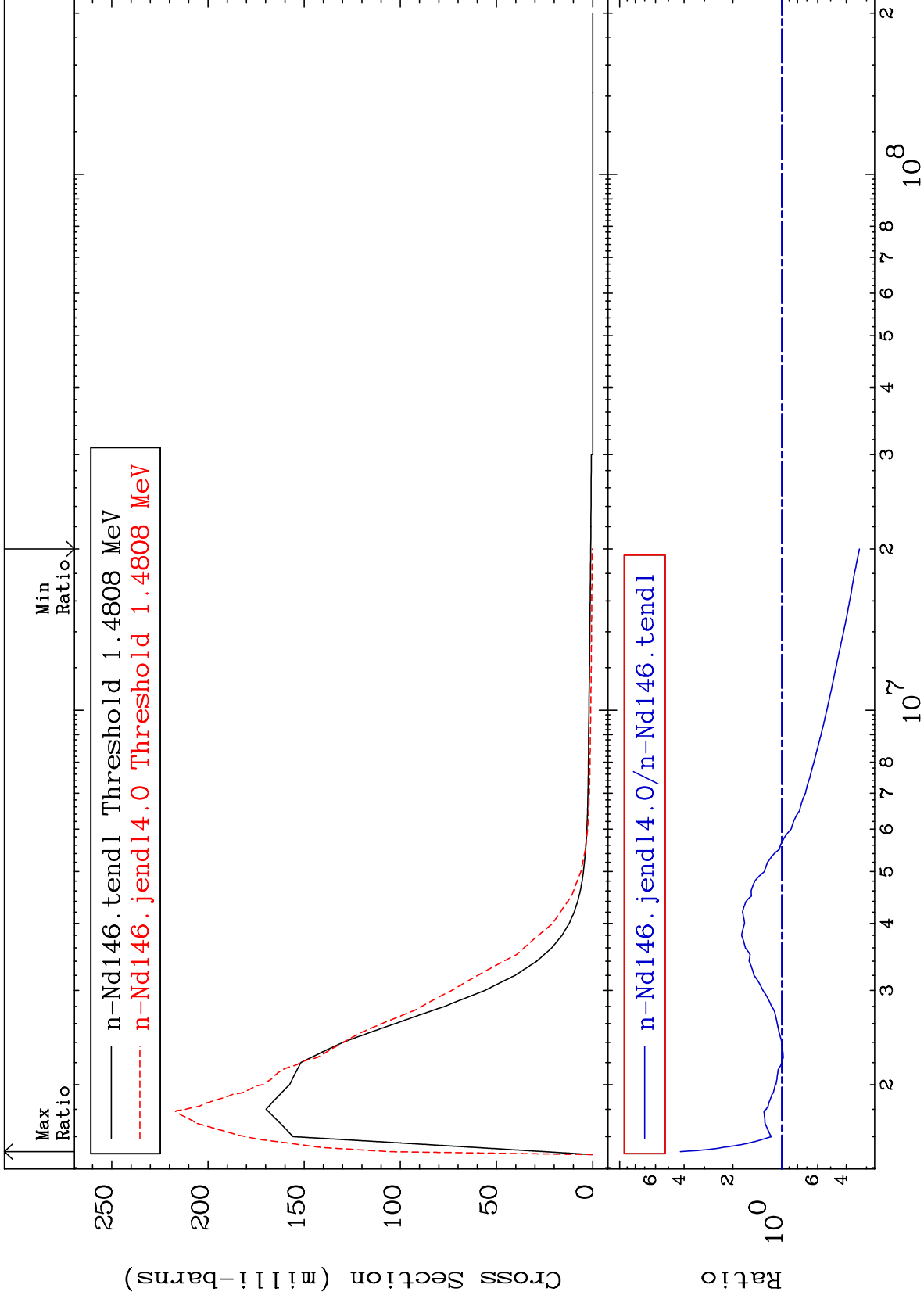


16

Incident Energy (eV)

60-Nd-146

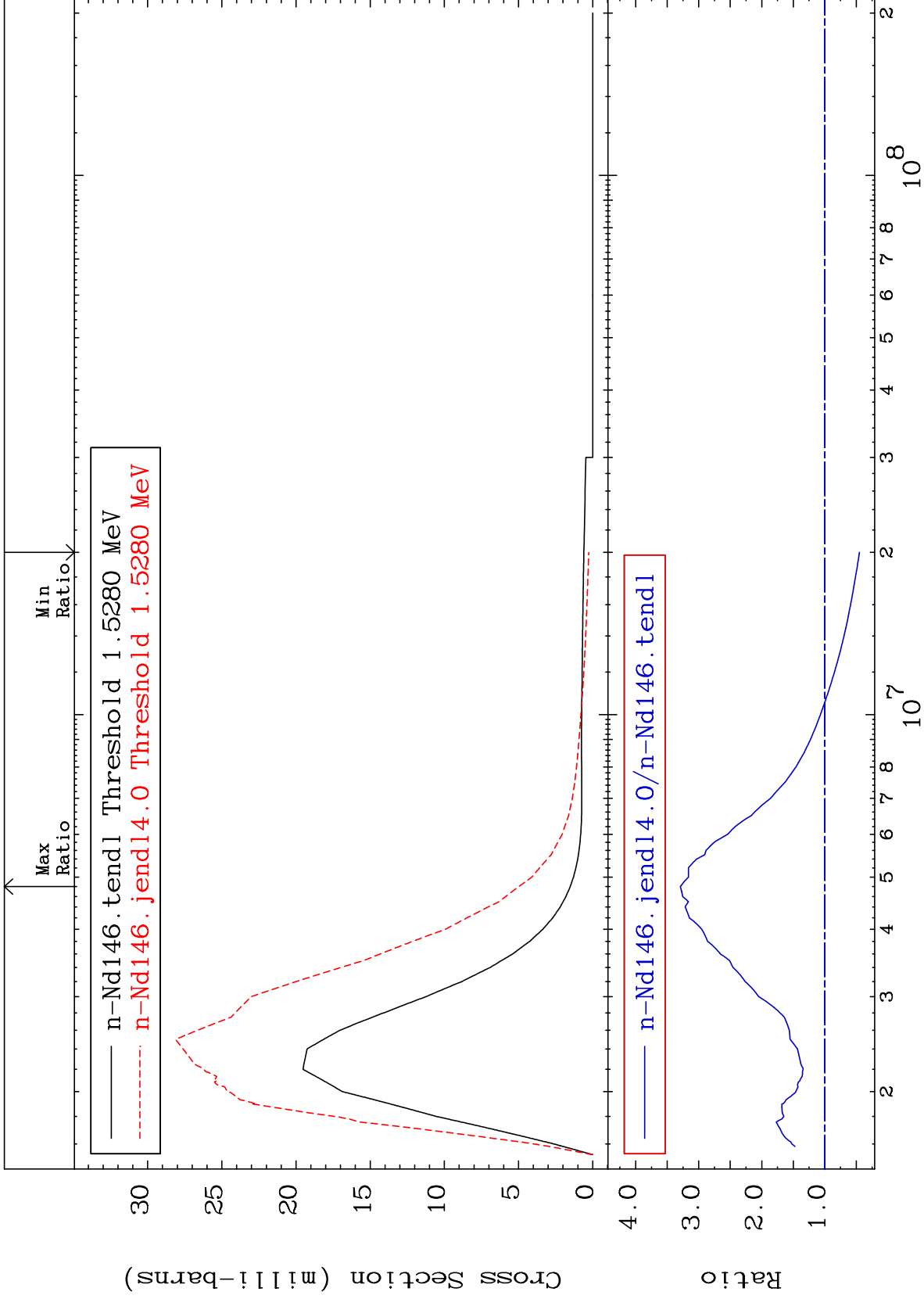




MAT 6037

MT= 58 (n,n') Level
Cross Section

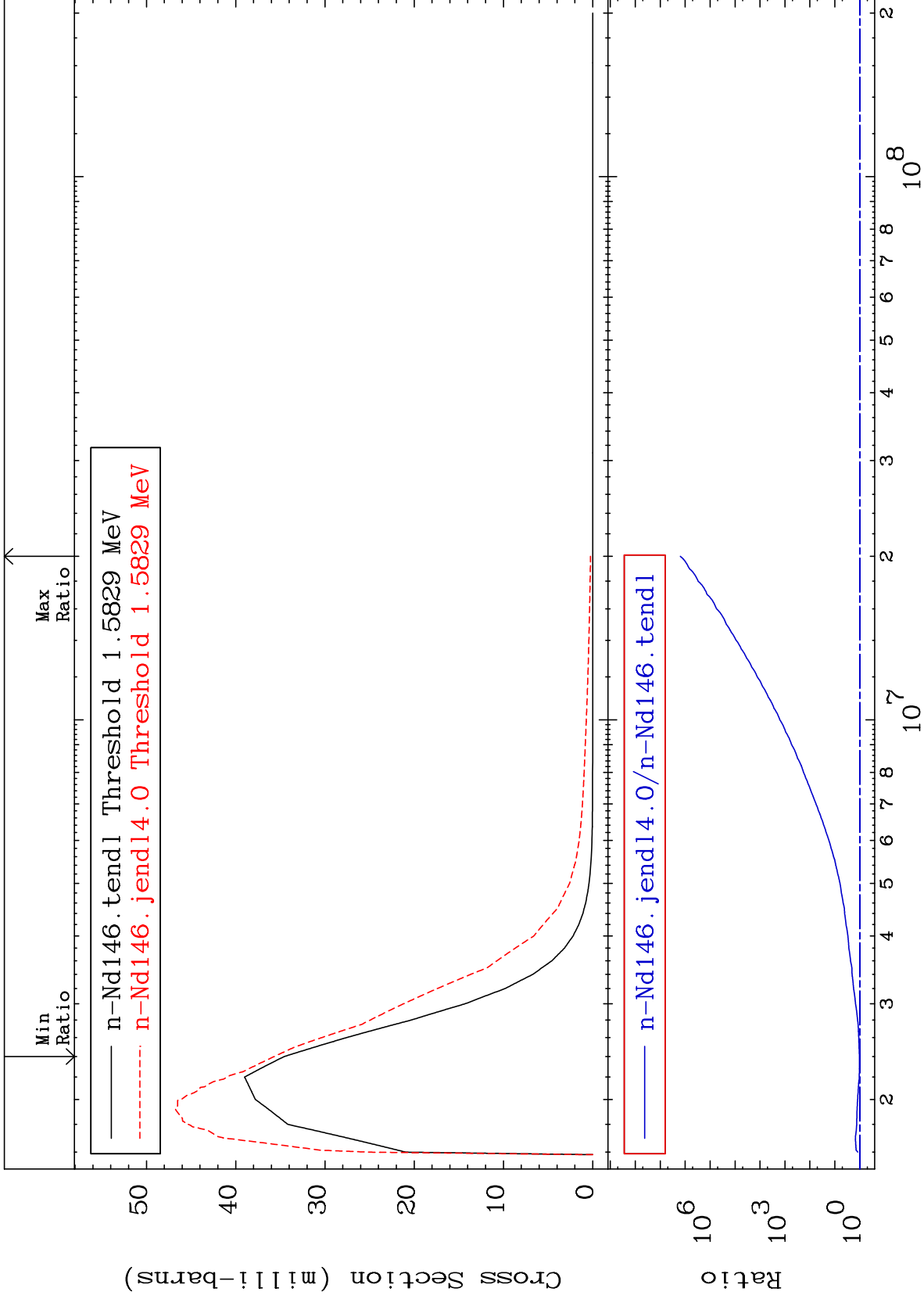
60-Nd-146
-54.98 To 229.1 %



MAT 6037

MT= 59 (n,n') Level
Cross Section

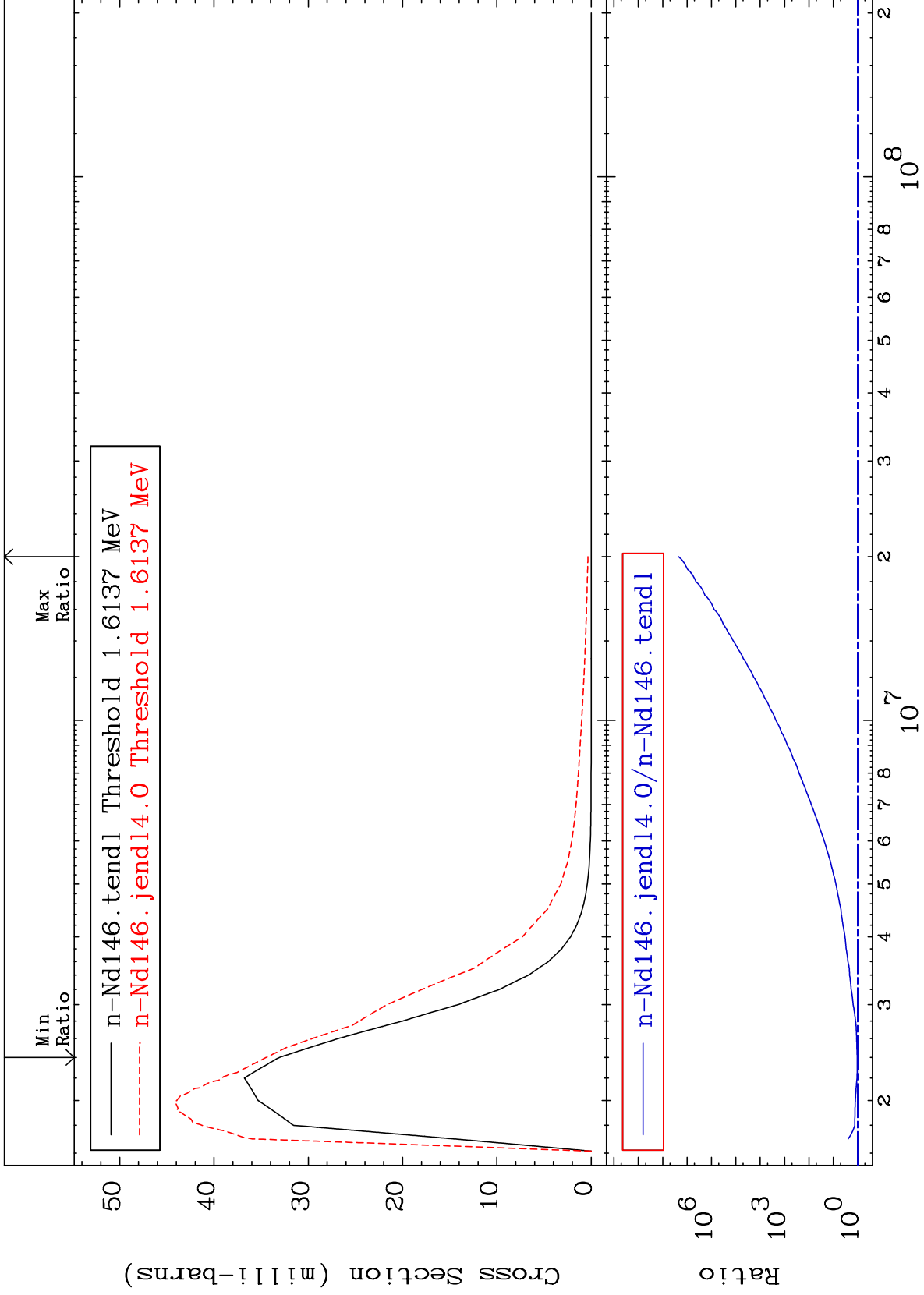
60-Nd-146
3.284 To 9999. %

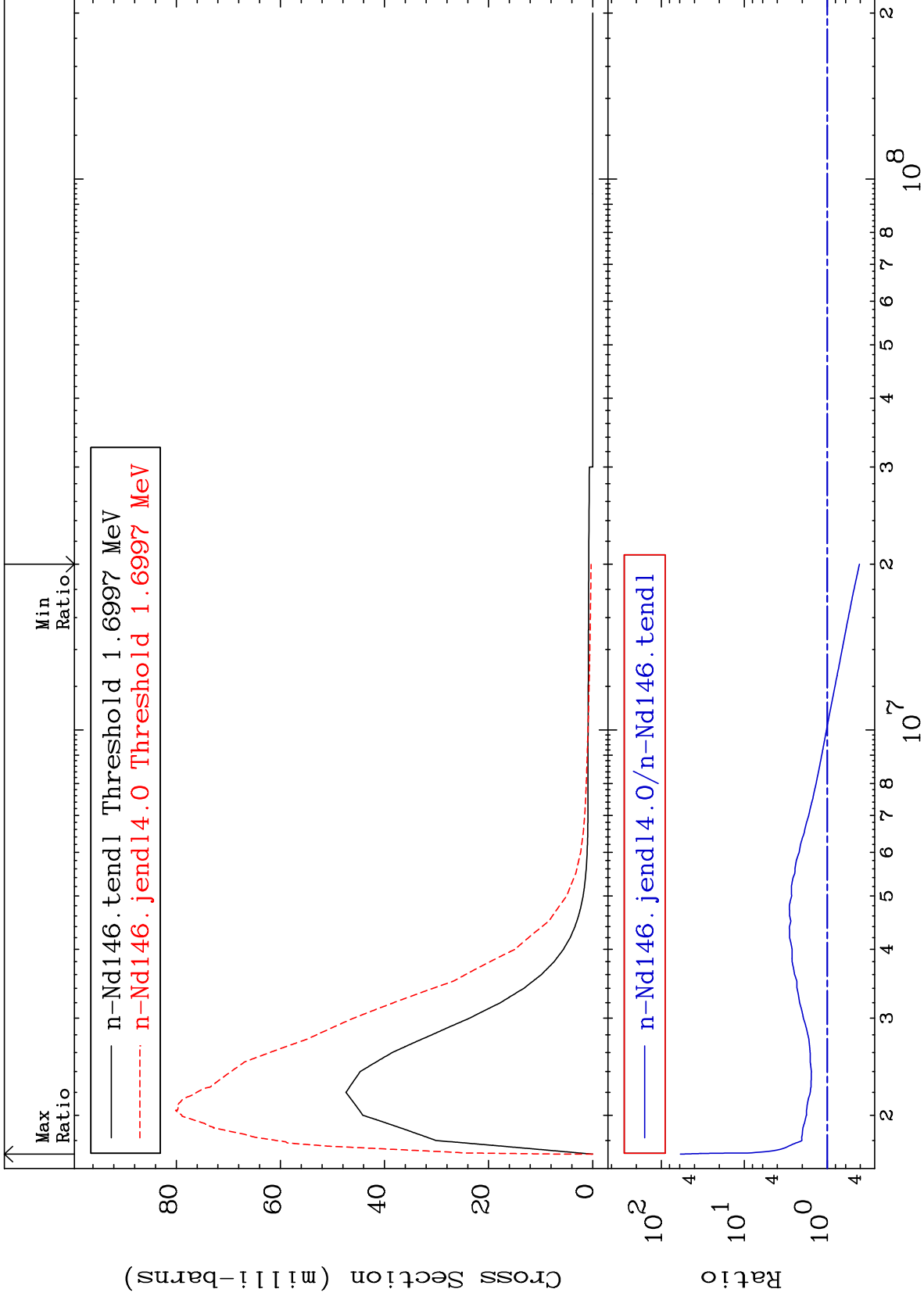


MAT 6037

MT= 60 (n,n') Level
Cross Section

60-Nd-146
4.193 To 9999. %

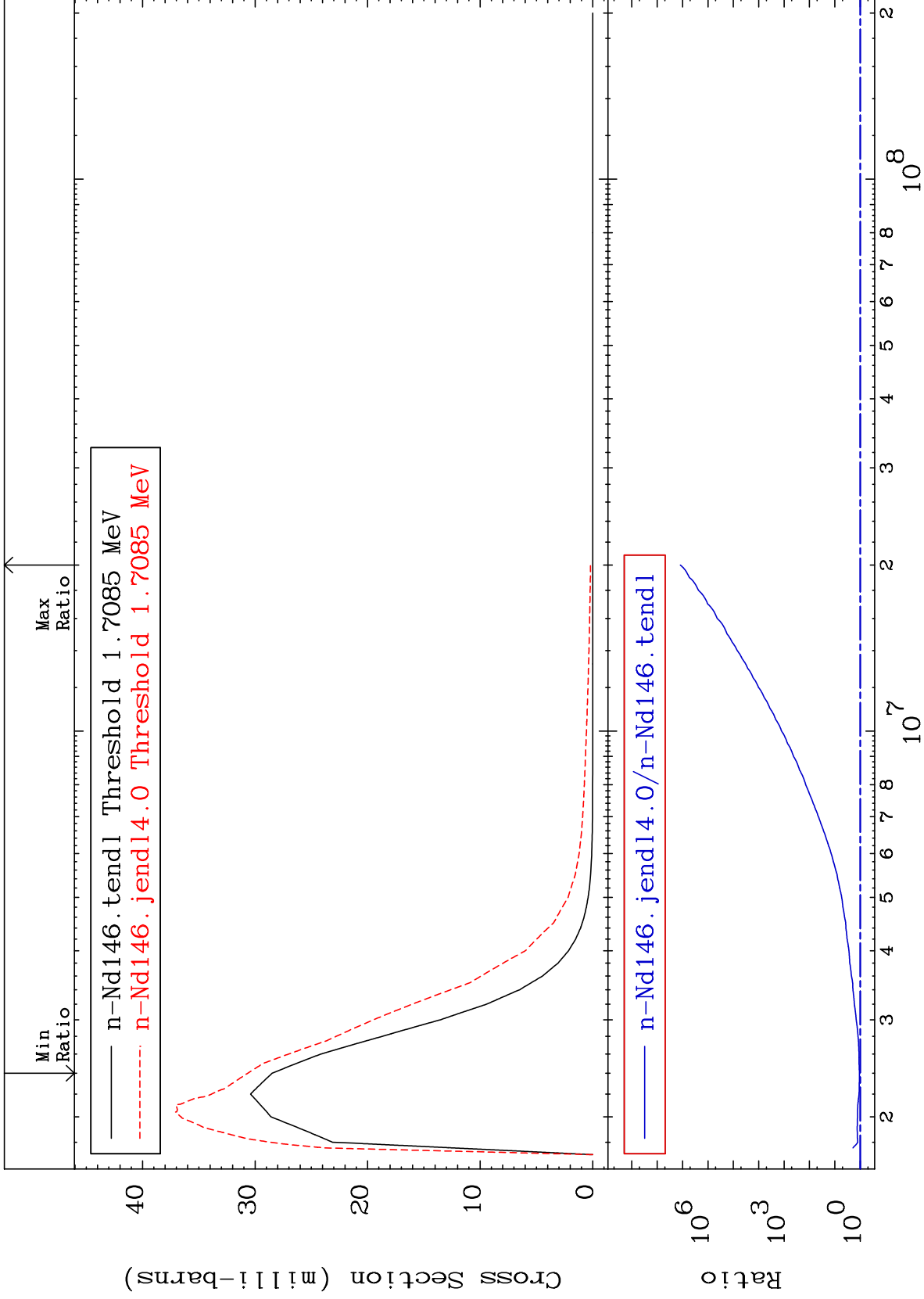




MAT 6037

MT= 62 (n,n') Level
Cross Section

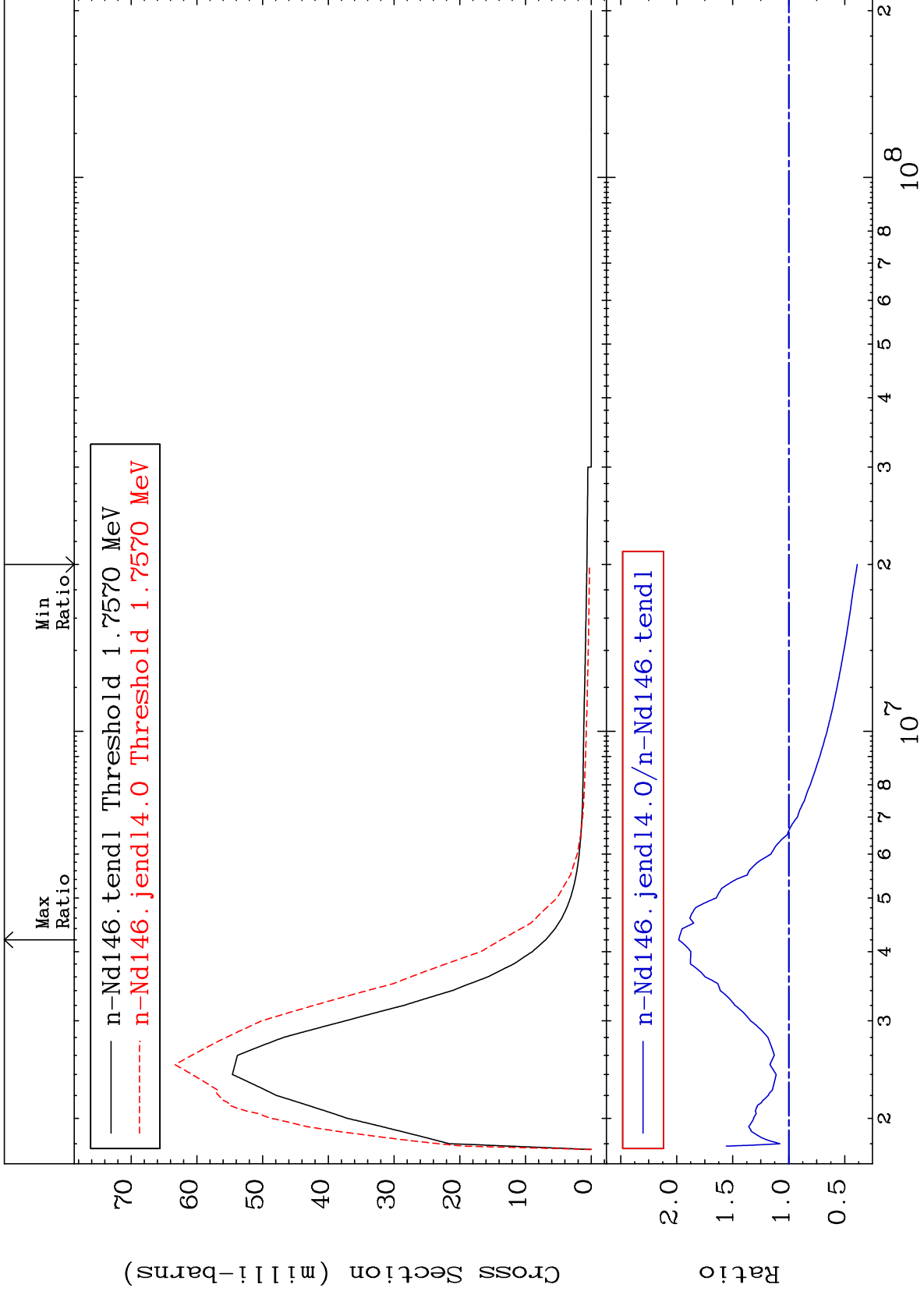
60-Nd-146
7.603 To 9999. %



MAT 6037

MT= 63 (n,n') Level
Cross Section

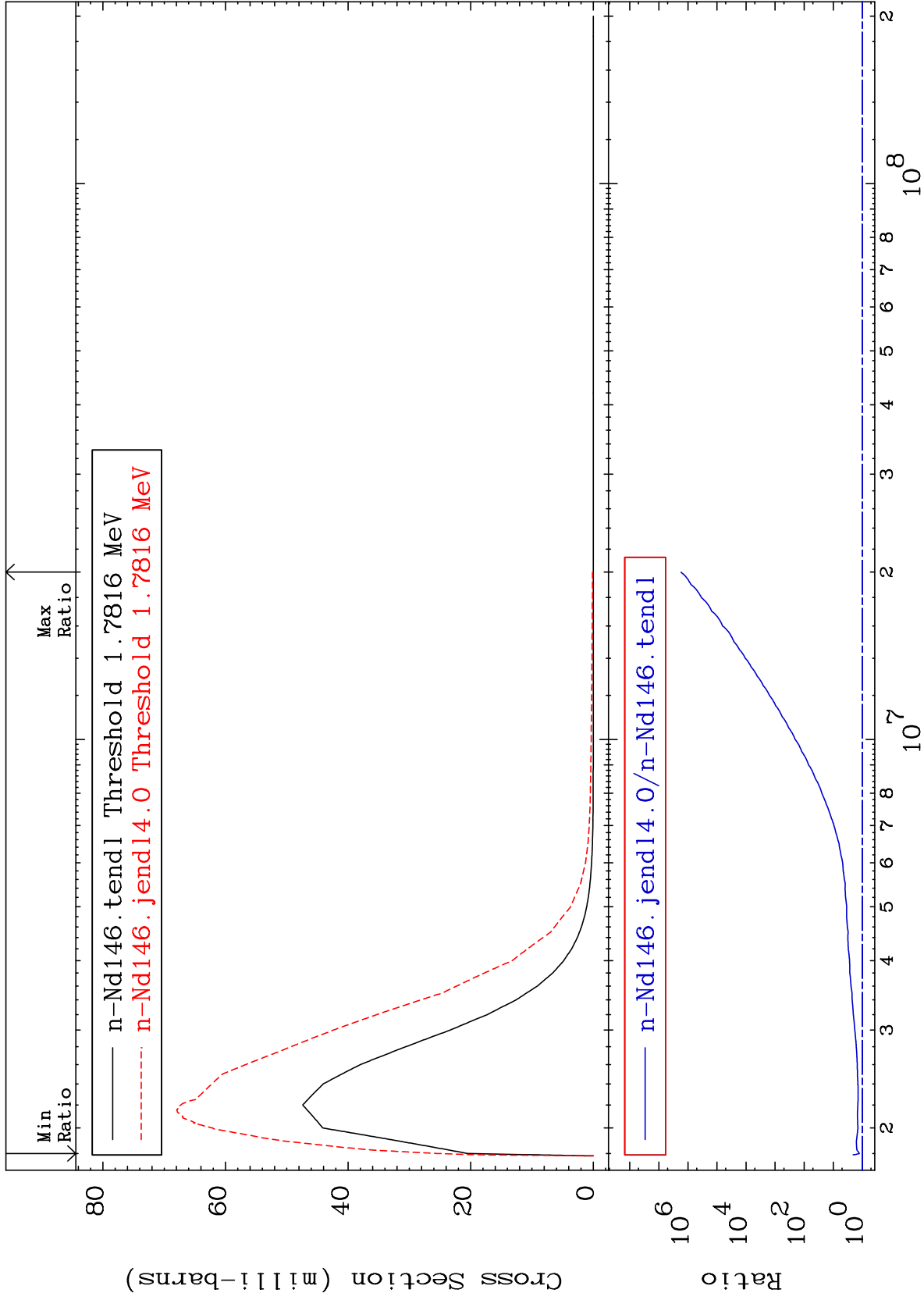
60-Nd-146
-61.15 To 98.27 %



MAT 6037

MT= 64 (n,n') Level
Cross Section

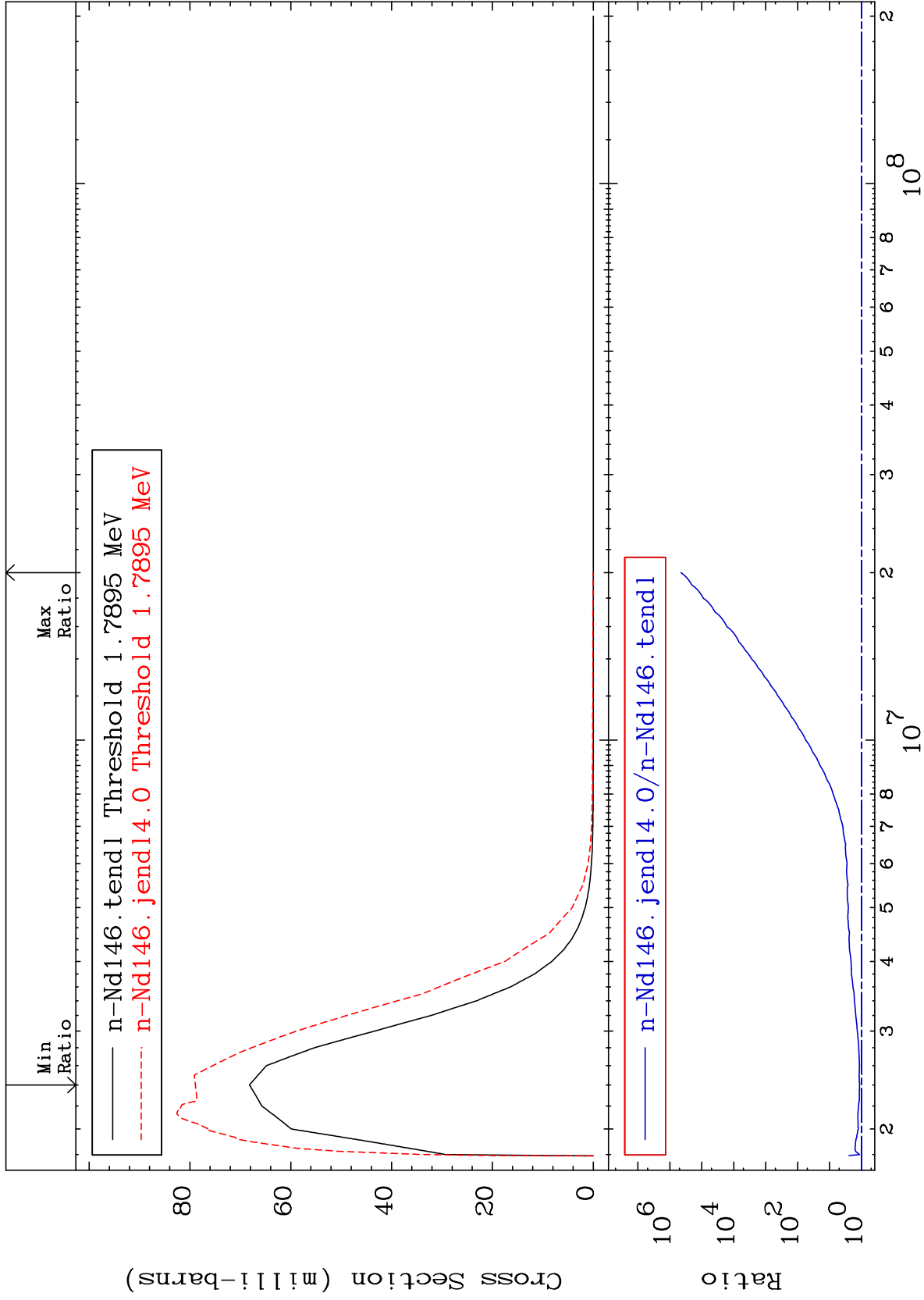
60-Nd-146
24.66 To 9999. %



MAT 6037

MT= 65 (n,n') Level
Cross Section

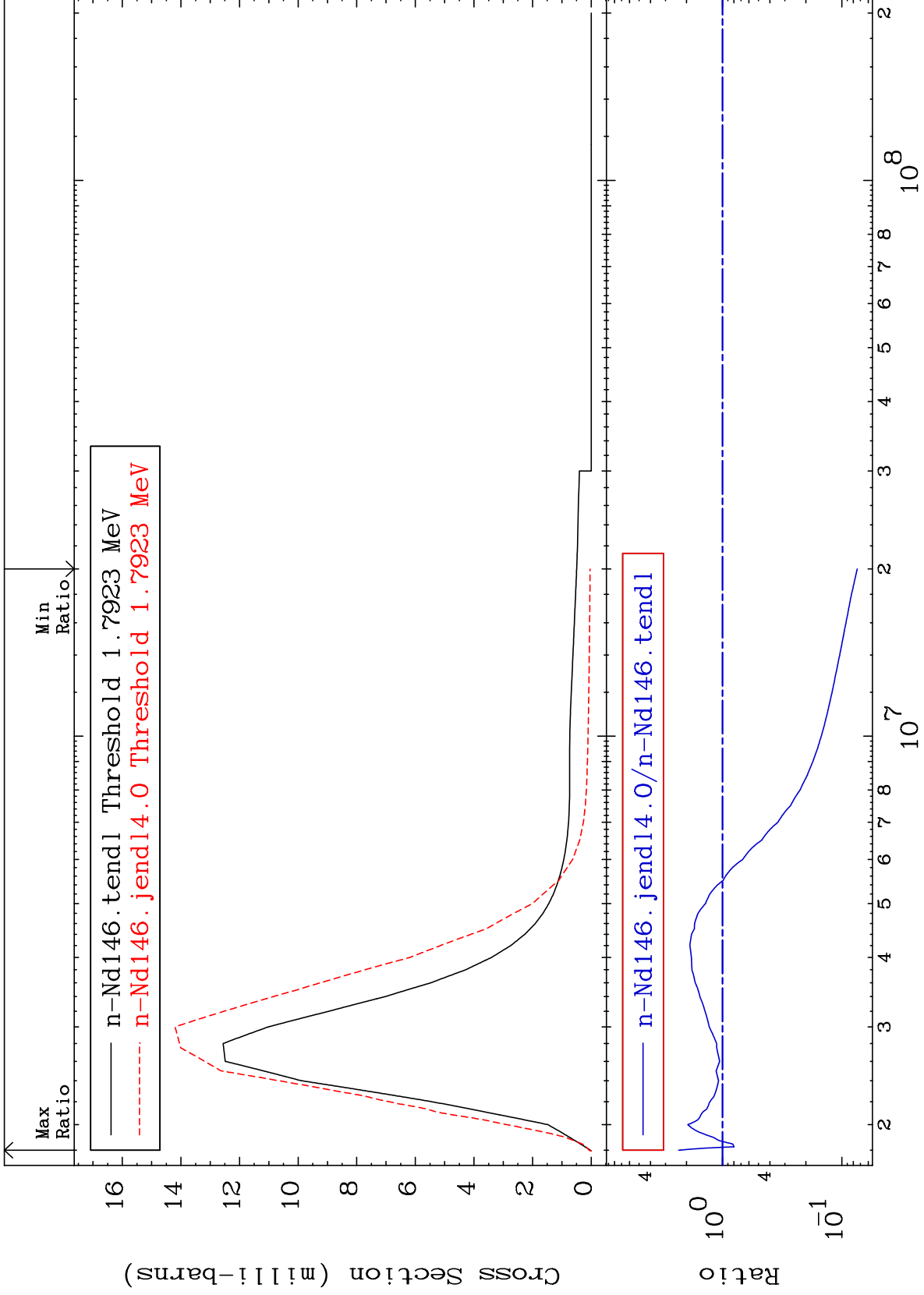
60-Nd-146
15.74 To 9999. %



MAT 6037

MT= 66 (n,n') Level
Cross Section

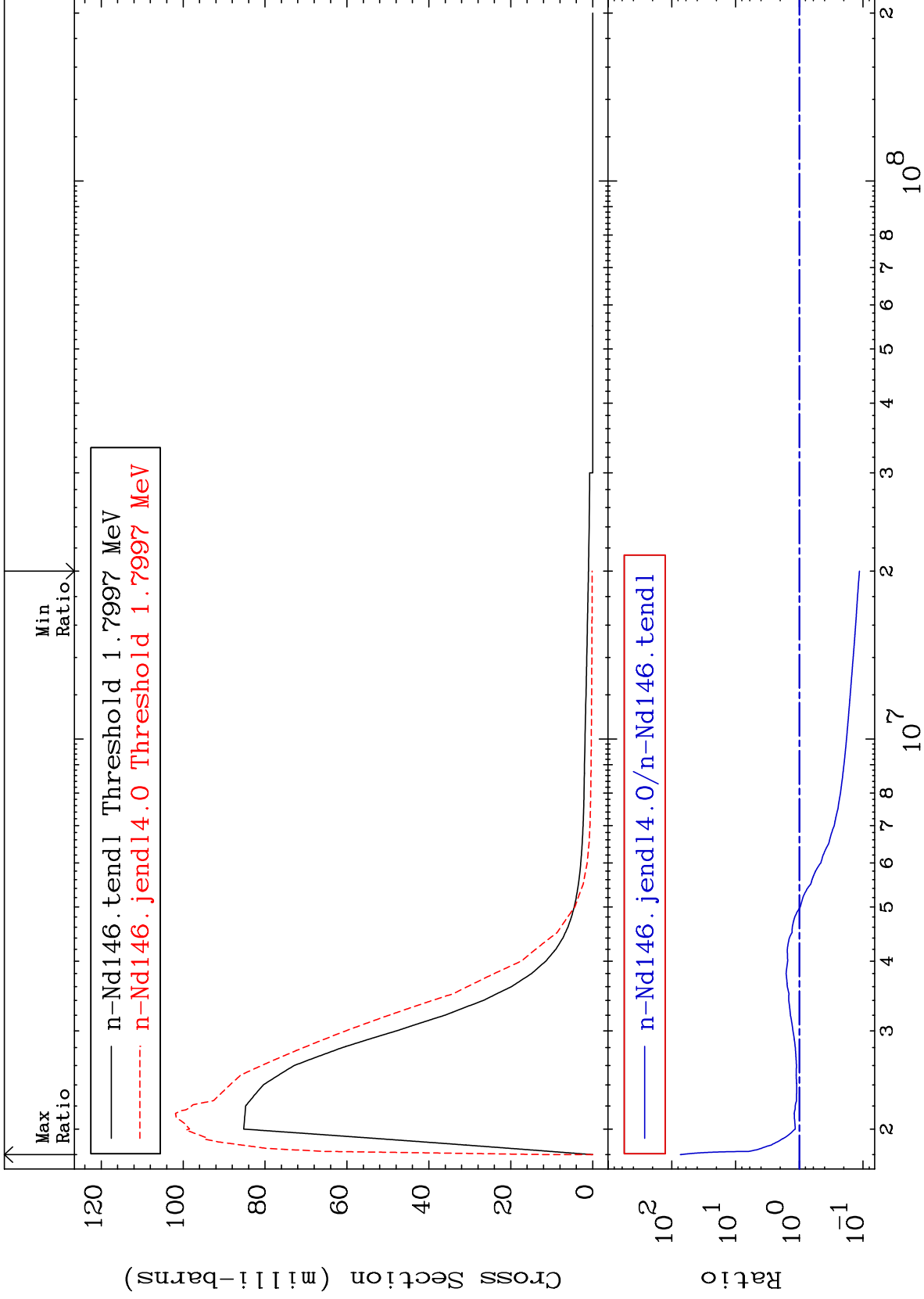
60-Nd-146
-92.57 To 132.7 %

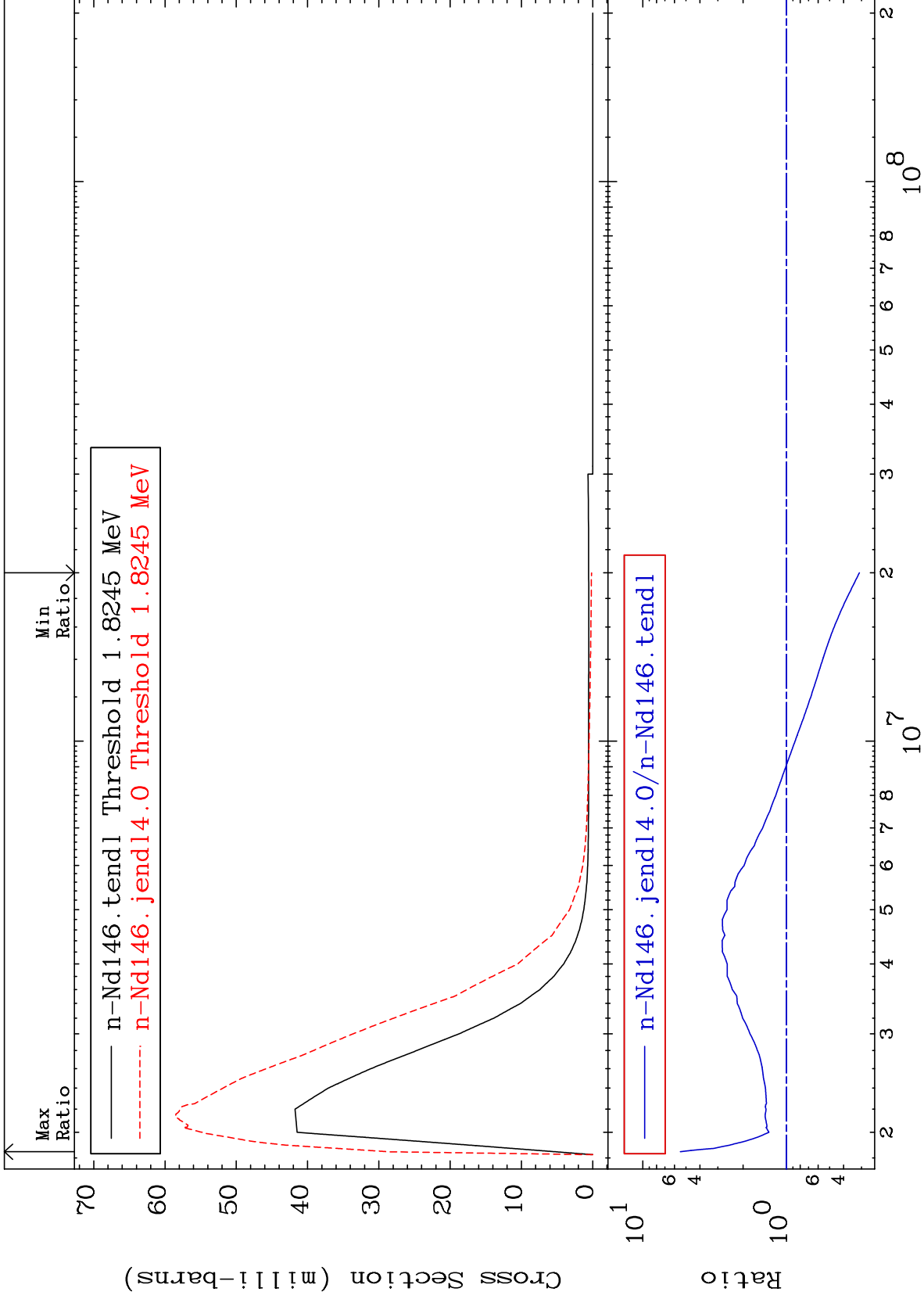


MAT 6037

MT= 67 (n,n') Level
Cross Section

60-Nd-146
-88.61 To 7248. %

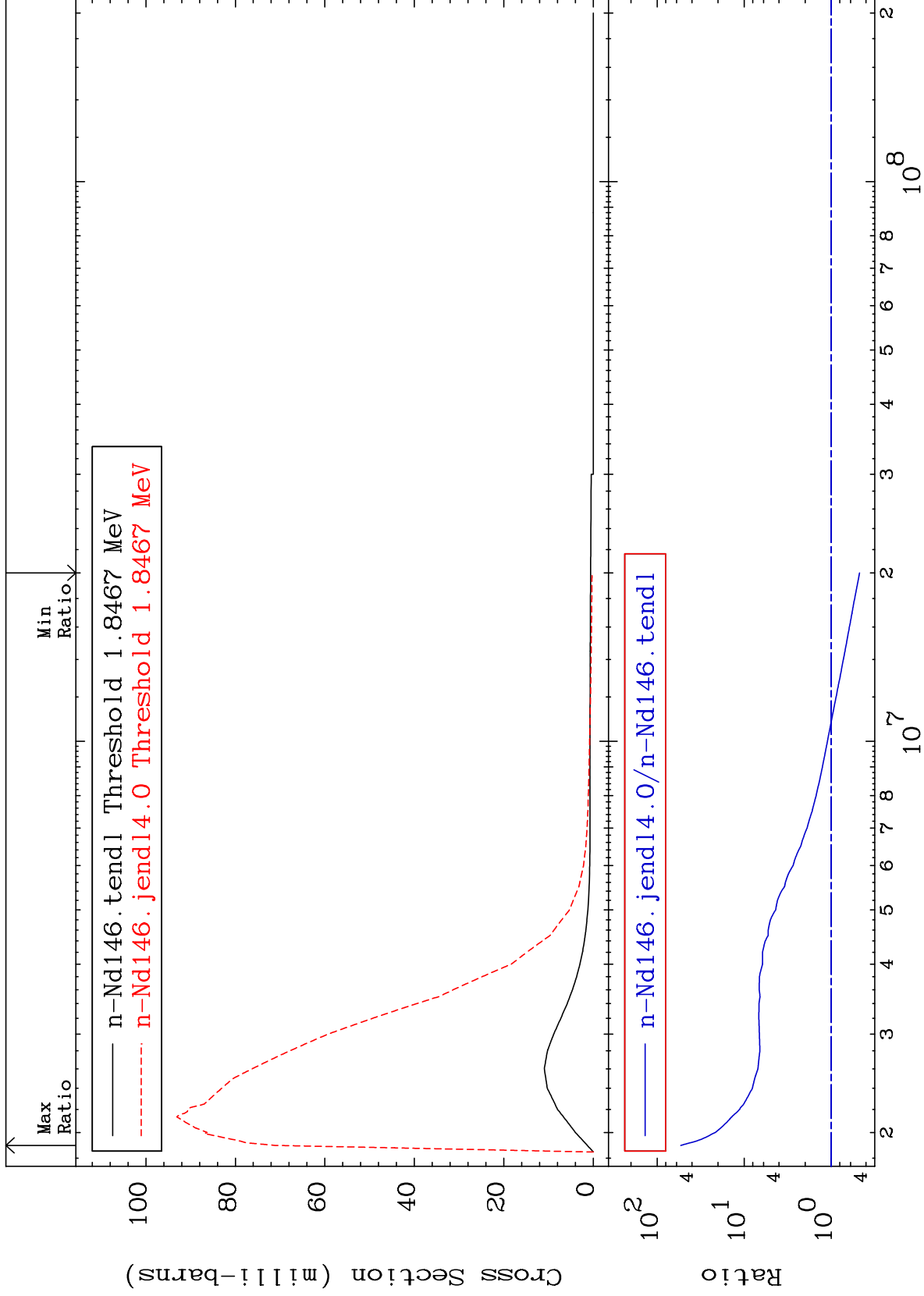




MAT 6037

MT= 69 (n,n') Level
Cross Section

60-Nd-146
-52.60 To 5266. %



30

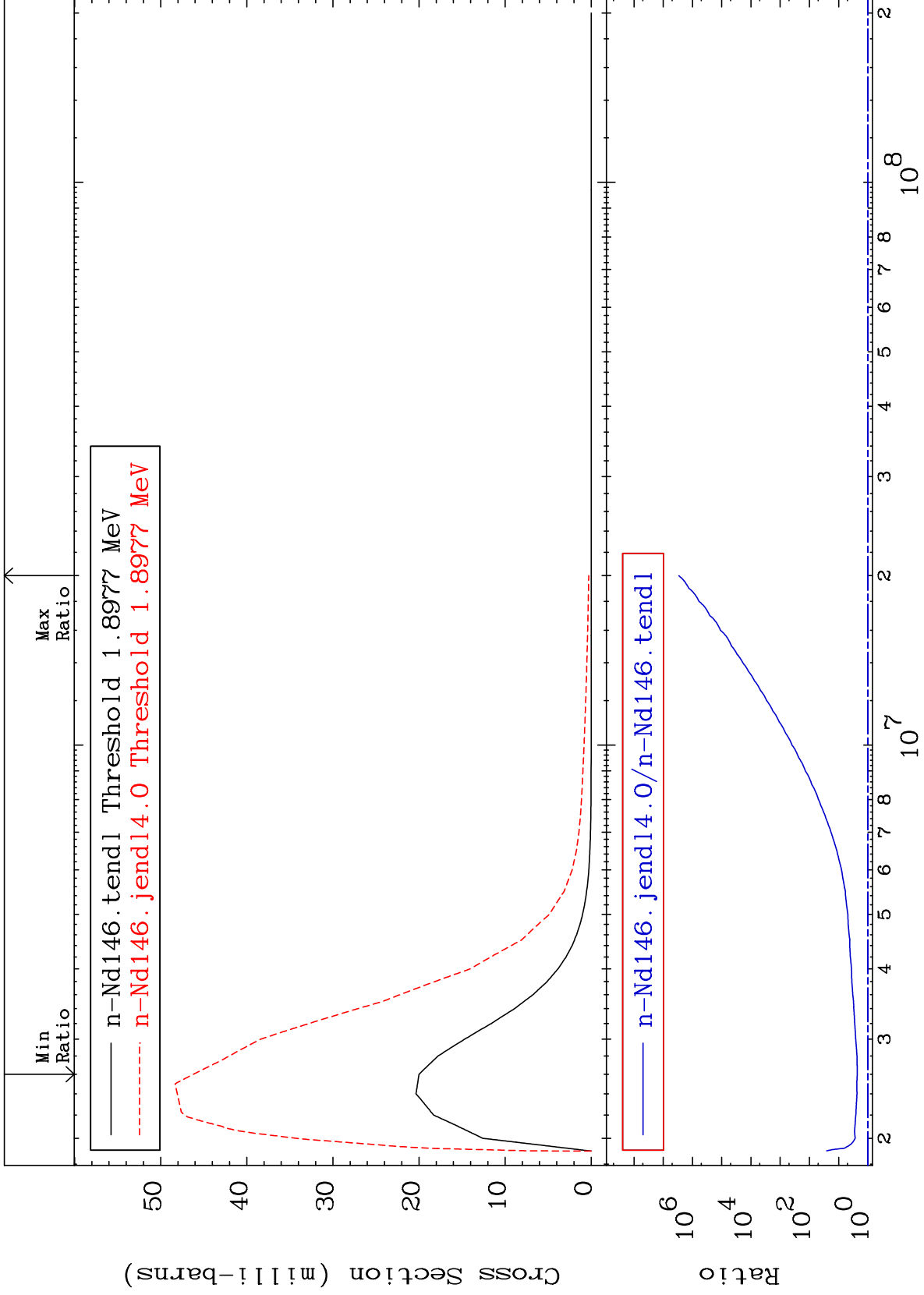
Incident Energy (eV)

60-Nd-146

MAT 6037

MT= 70 (n,n') Level
Cross Section

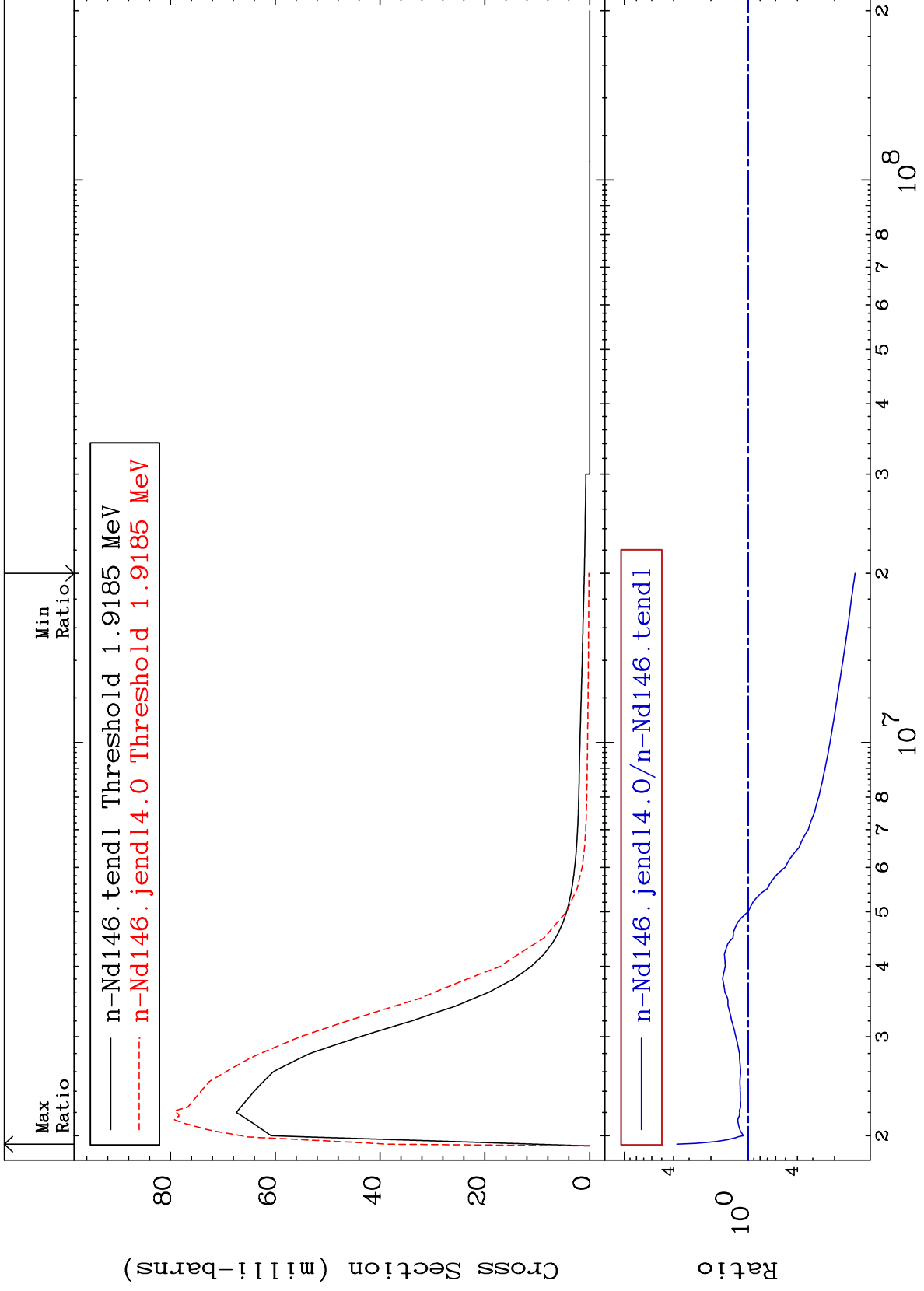
60-Nd-146
131.1 To 9999. %



MAT 6037

MT= 71 (n,n') Level
Cross Section

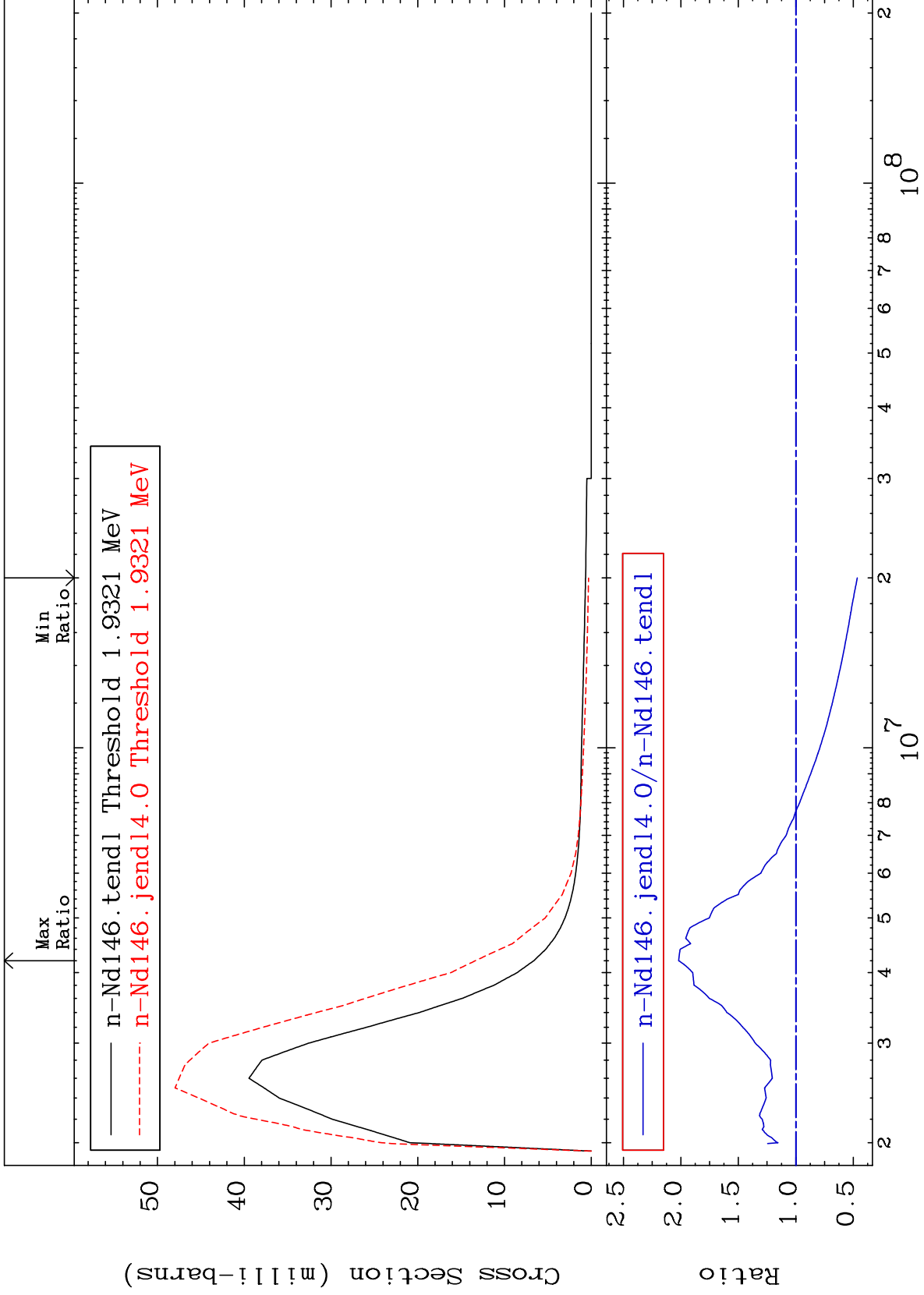
60-Nd-146
-86.33 To 276.4 %



MAT 6037

MT= 72 (n,n') Level
Cross Section

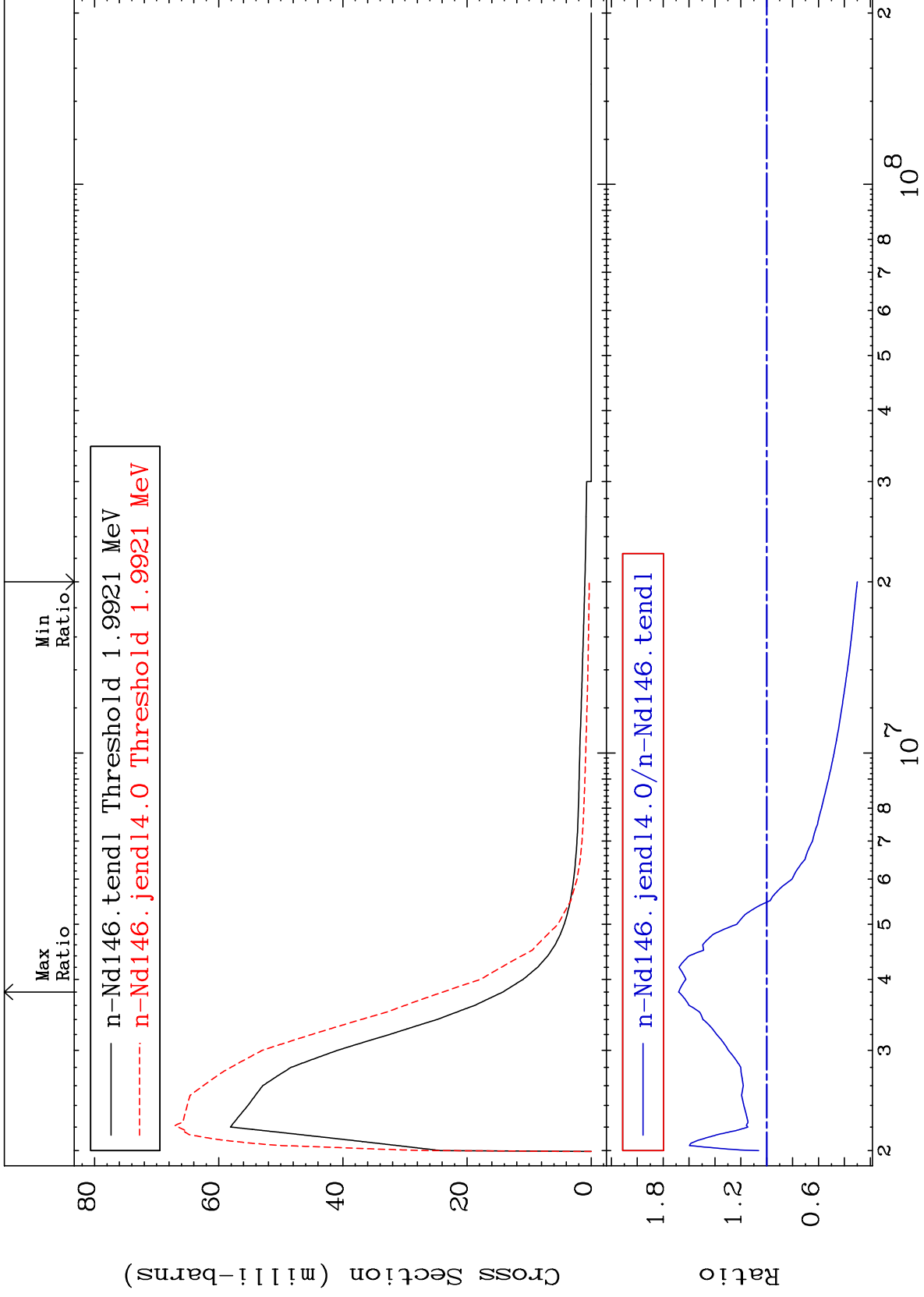
60-Nd-146
-53.45 To 101.9 %



MAT 6037

MT= 73 (n,n') Level
Cross Section

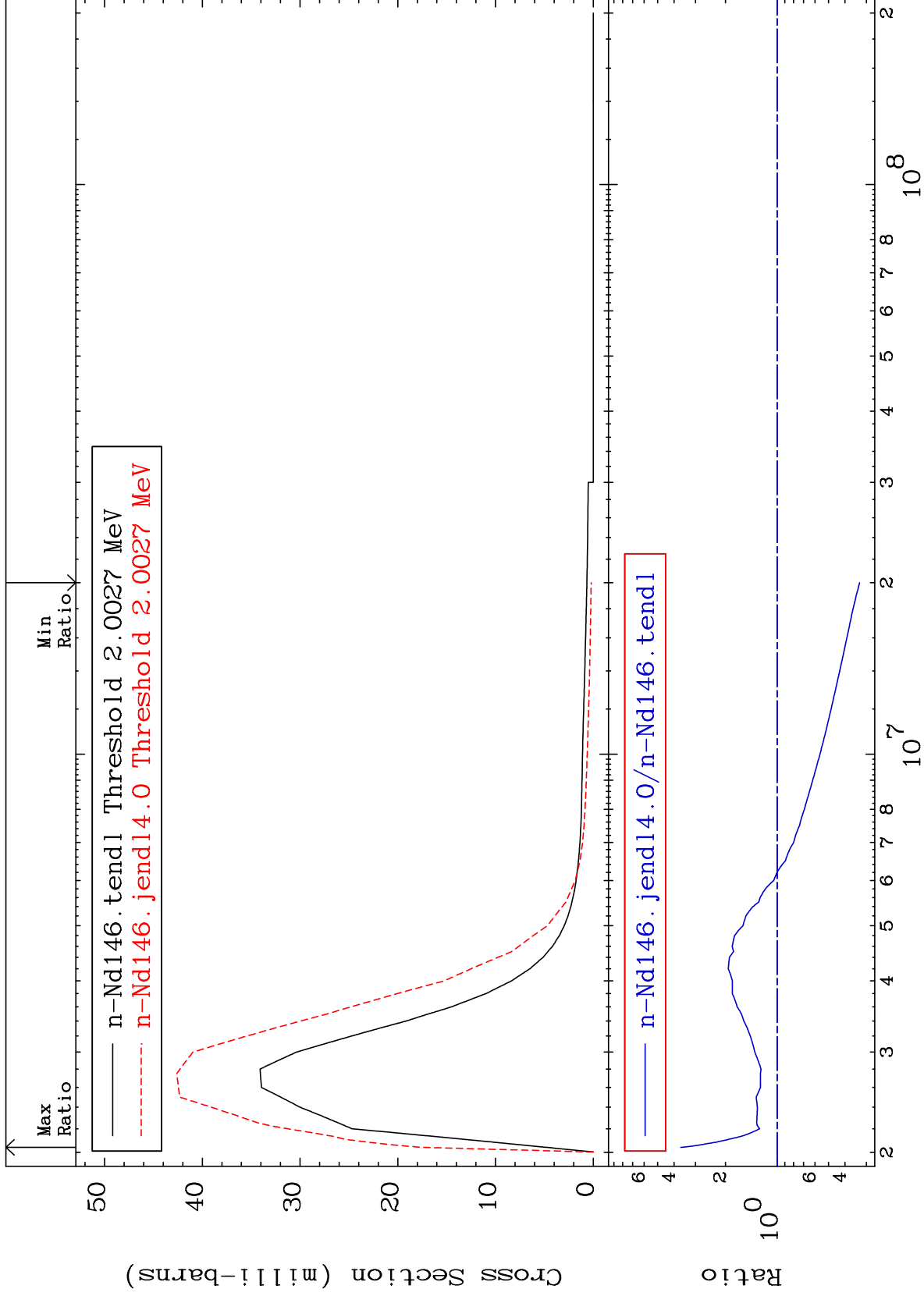
60-Nd-146
-69.94 To 68.06 %



MAT 6037

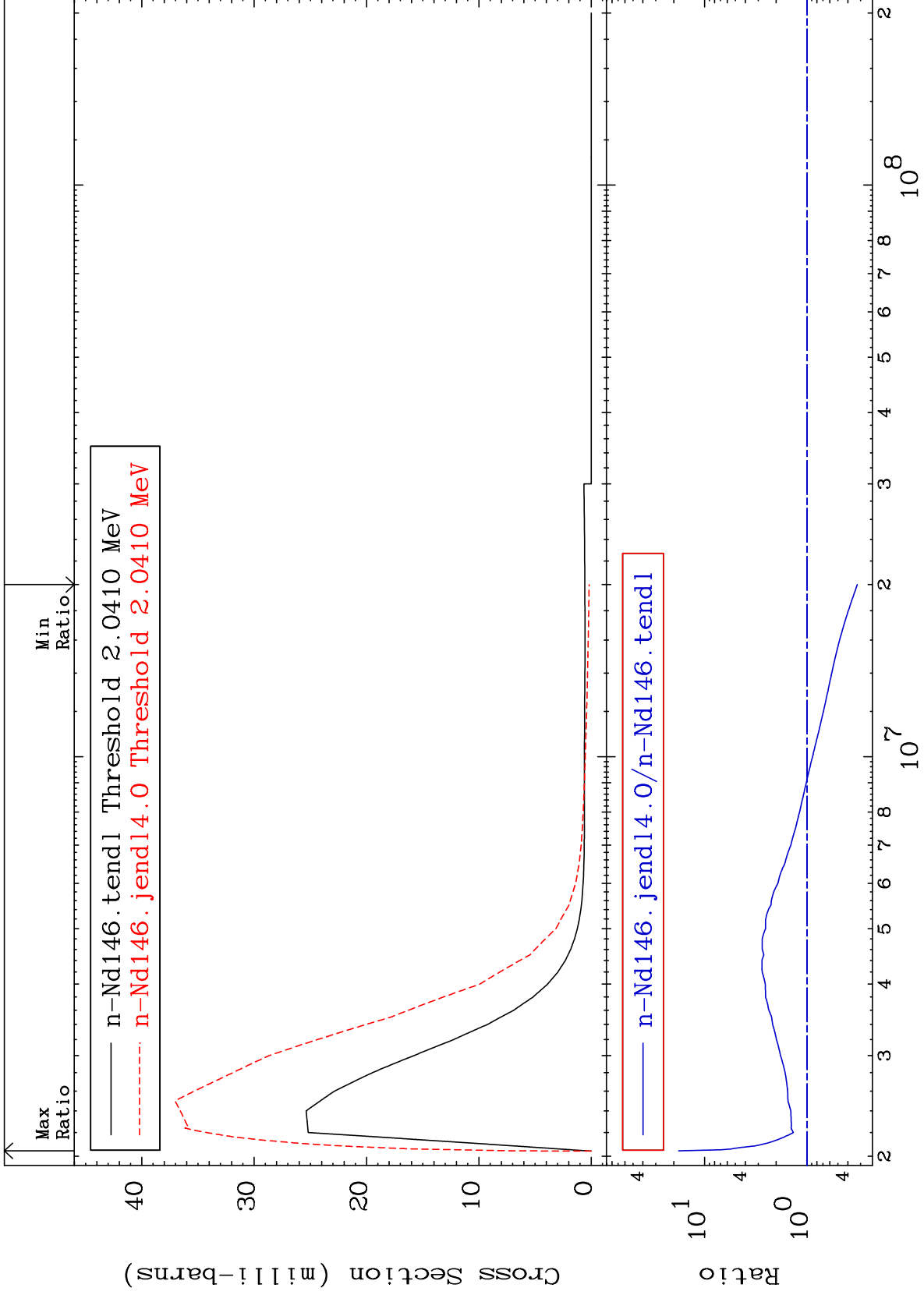
MT= 74 (n,n') Level
Cross Section

60-Nd-146
-67.10 To 265.6 %



35

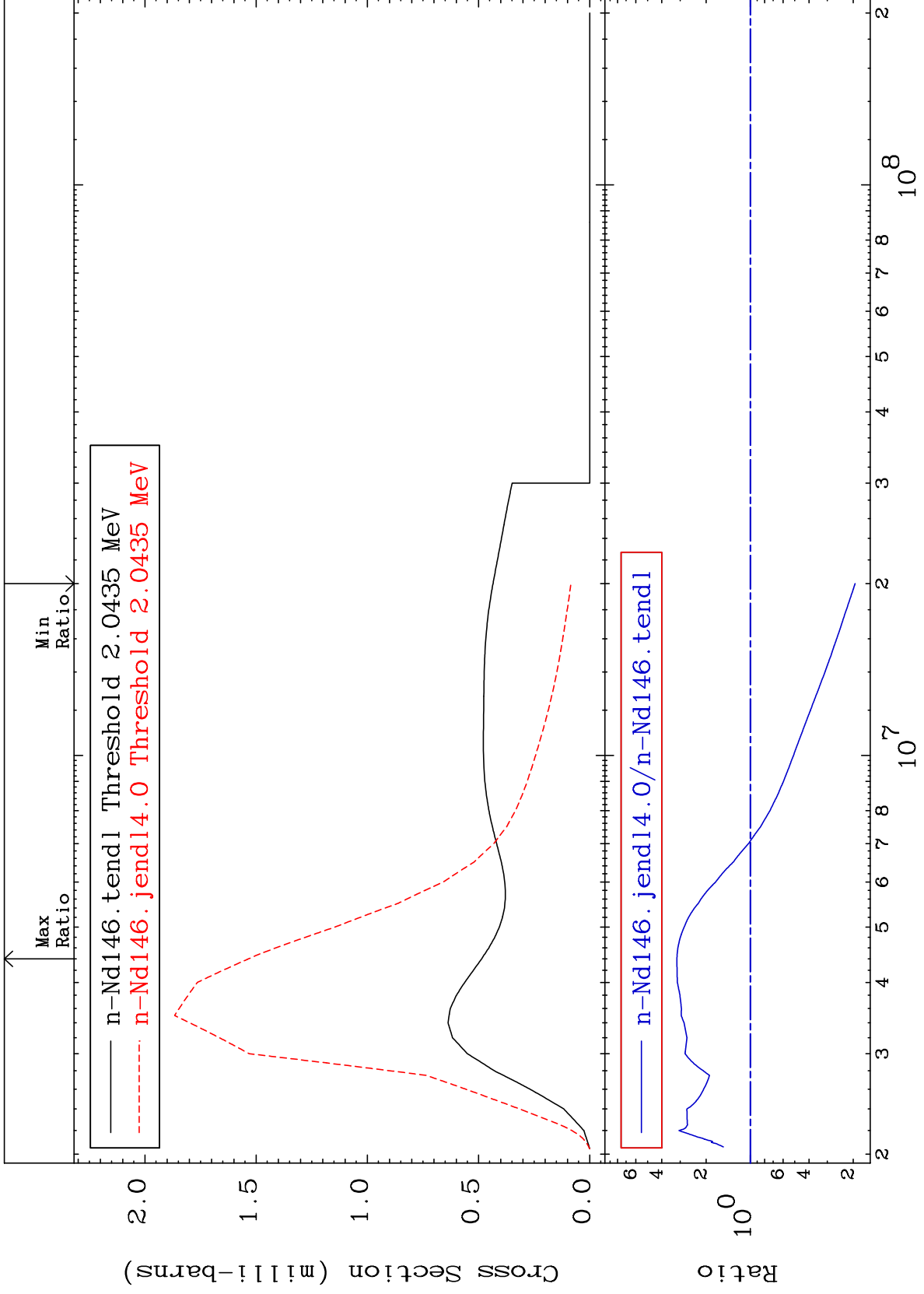
60-Nd-146



MAT 6037

MT= 76 (n,n') Level
Cross Section

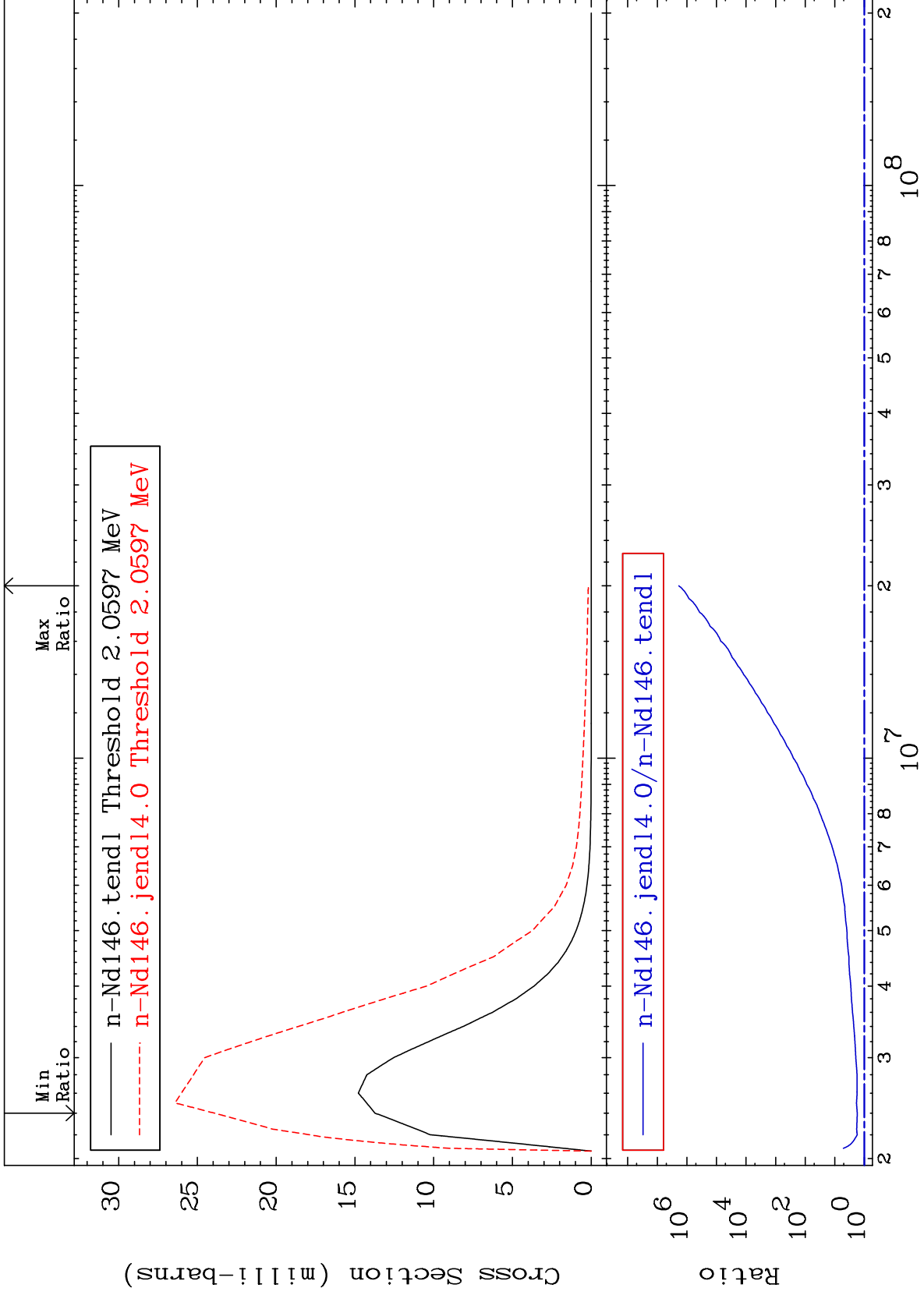
60-Nd-146
-80.56 To 215.7 %

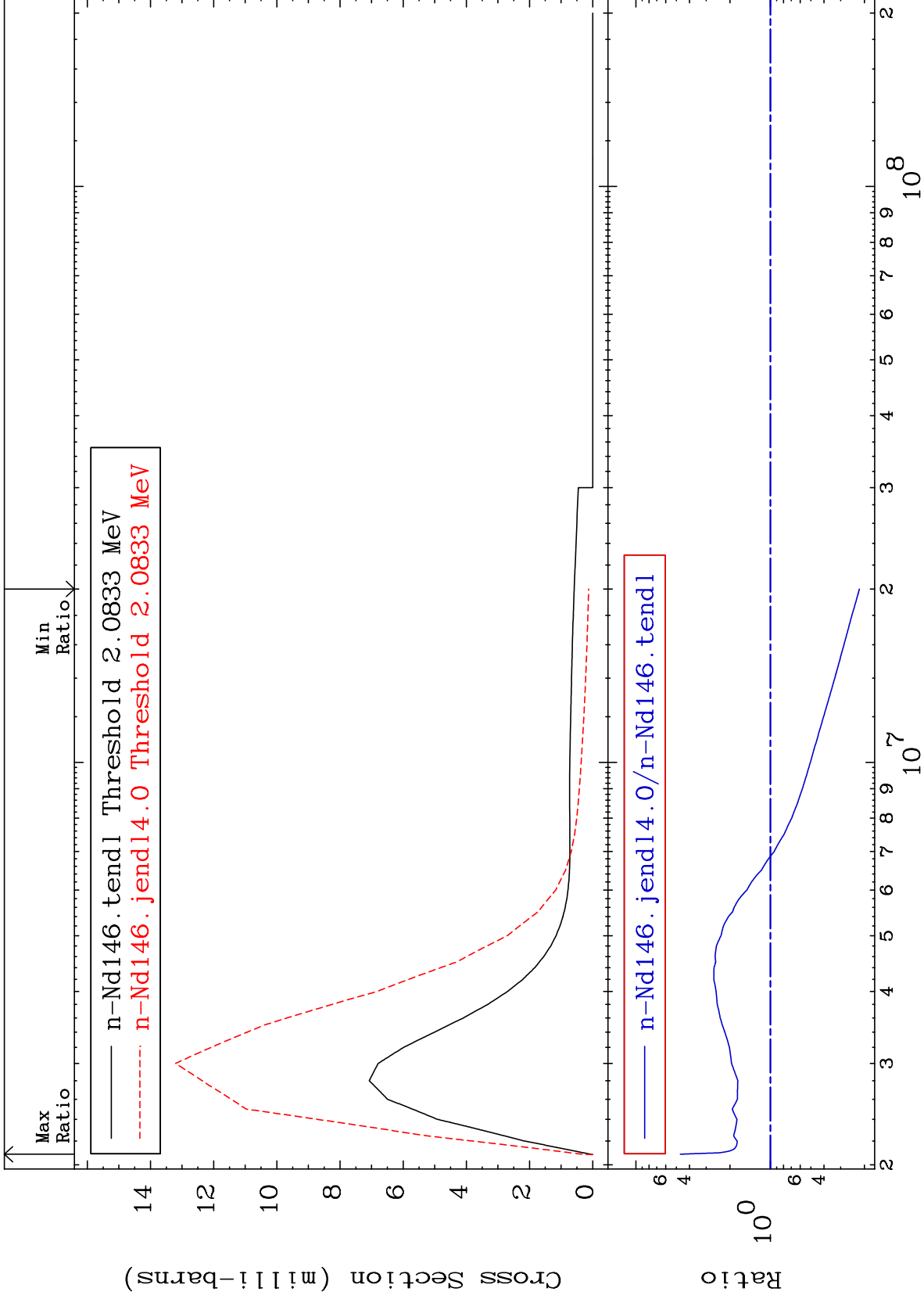


MAT 6037

MT= 77 (n,n') Level
Cross Section

60-Nd-146
74.37 To 9999. %

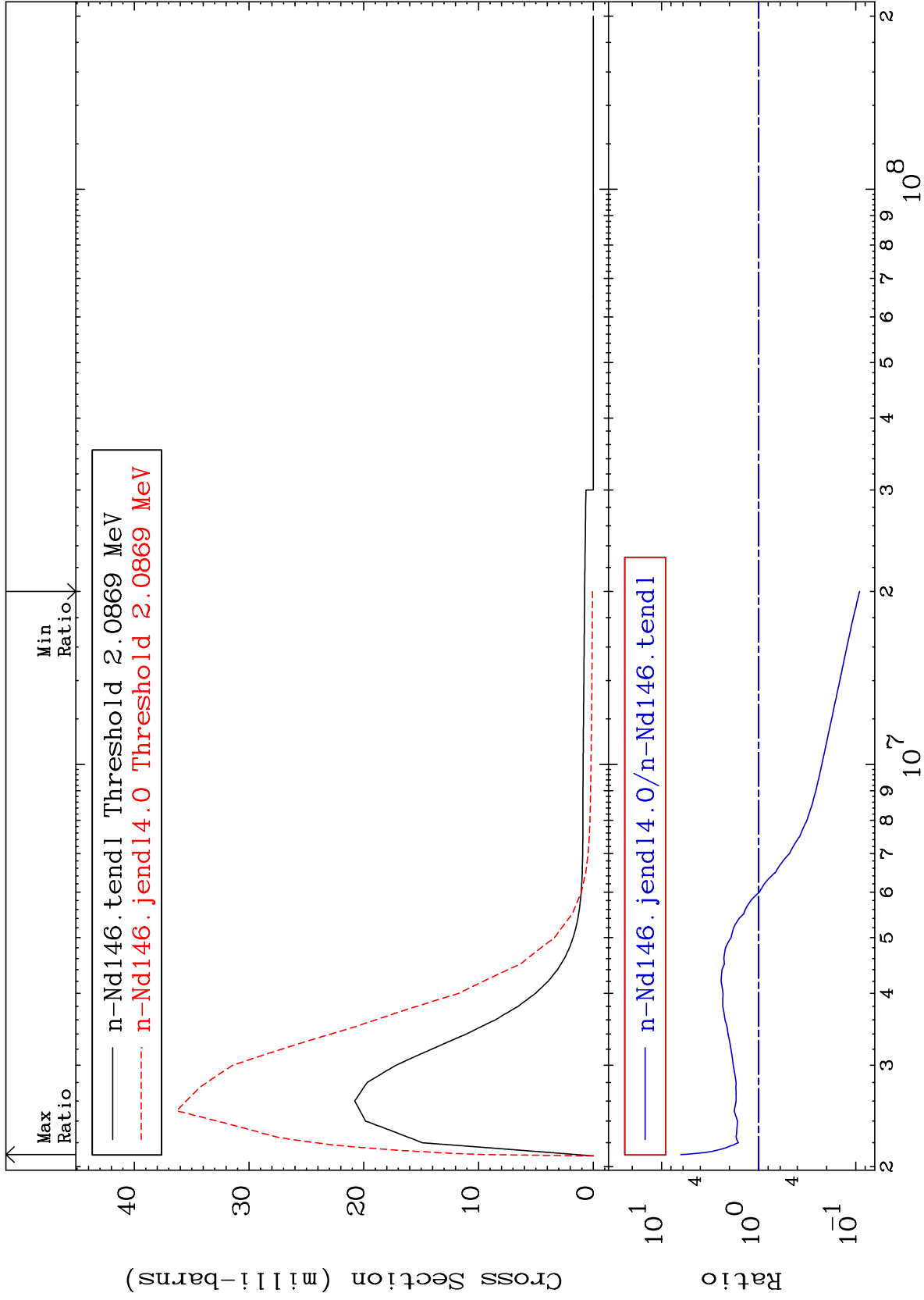




MAT 6037

MT= 79 (n,n') Level
Cross Section

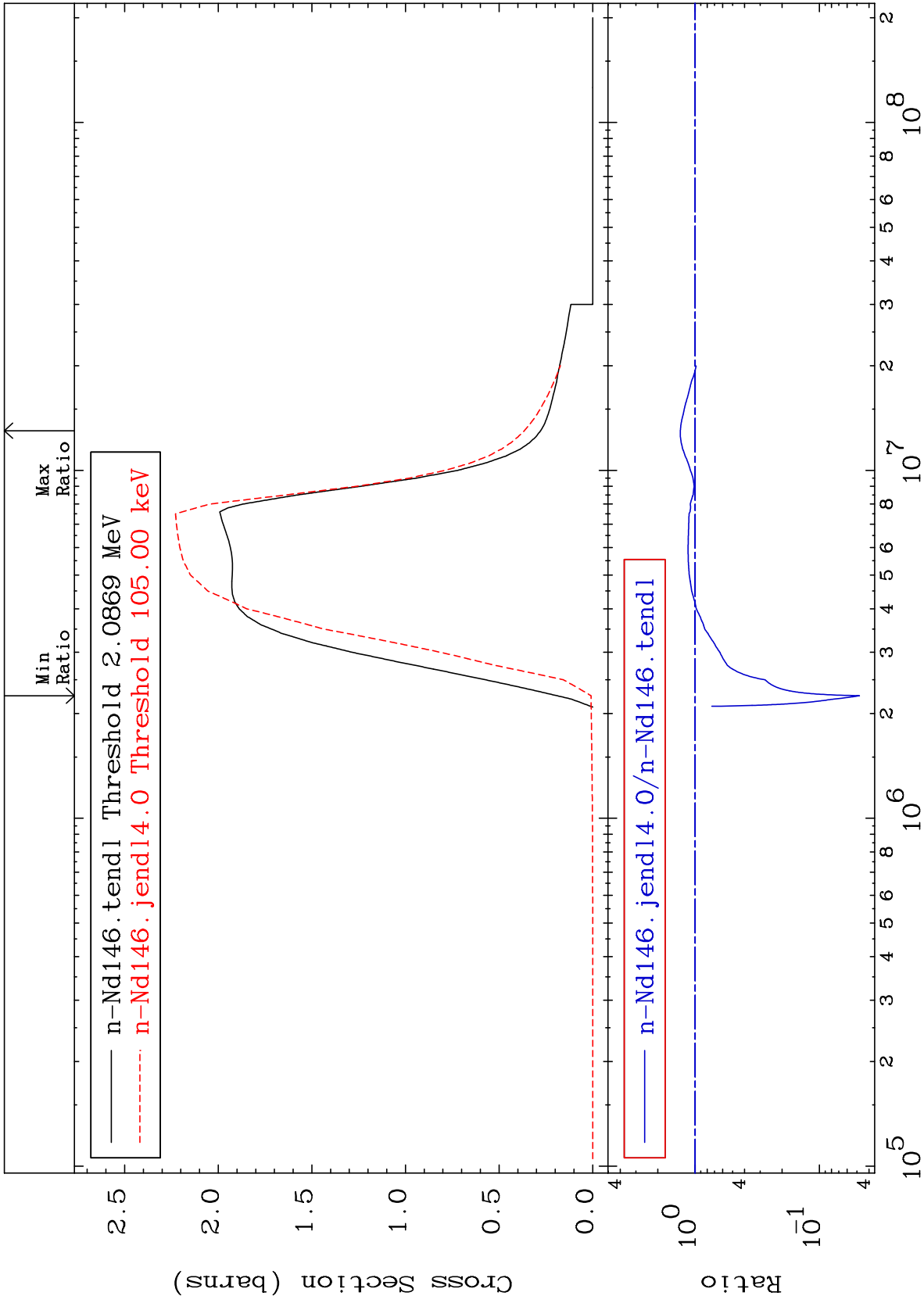
60-Nd-146
-90.84 To 533.8 %



40

Incident Energy (eV)

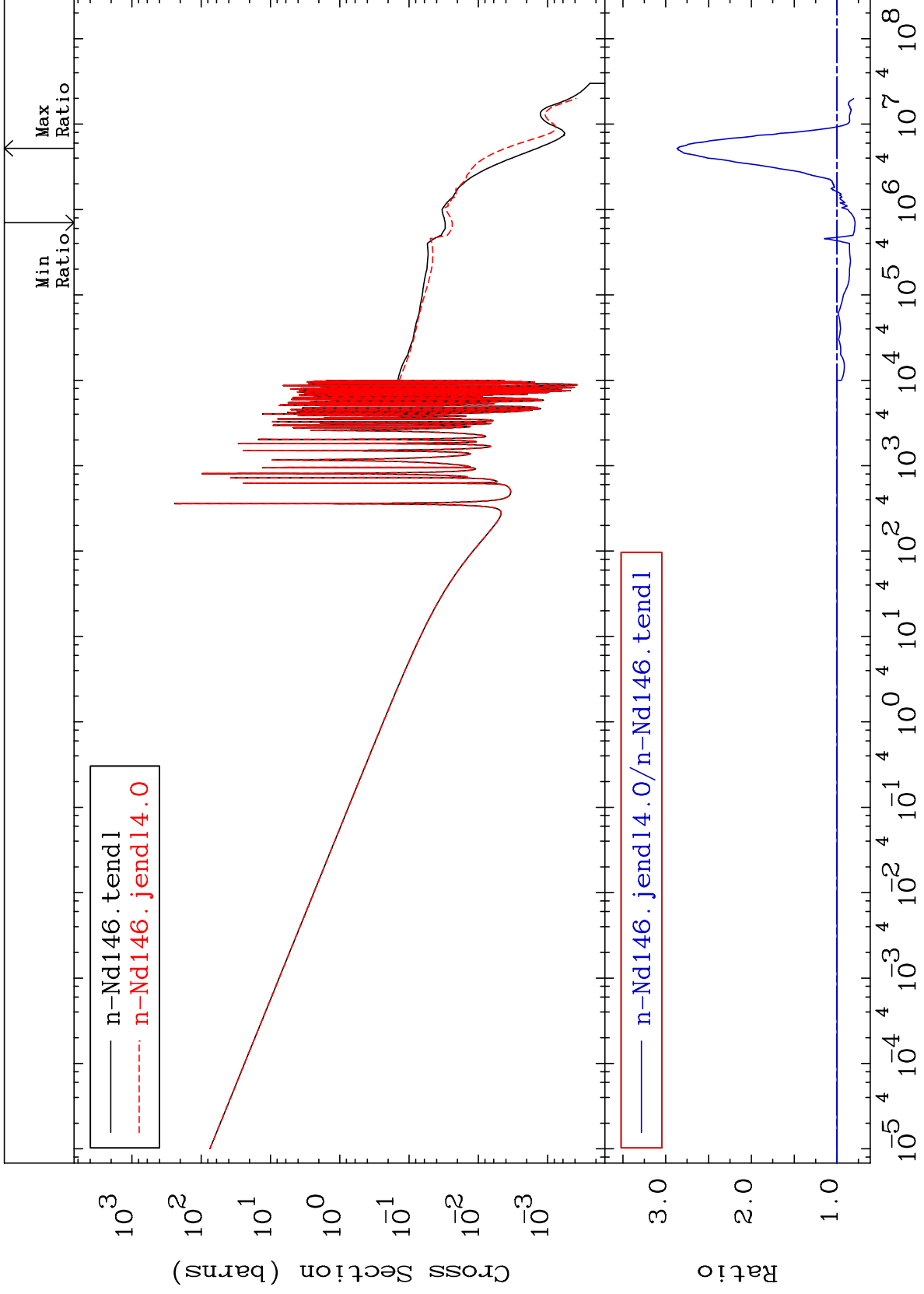
60-Nd-146



MAT 6037

(n, γ)
Cross Section

60-Nd-146
-21.10 To 186.9 %



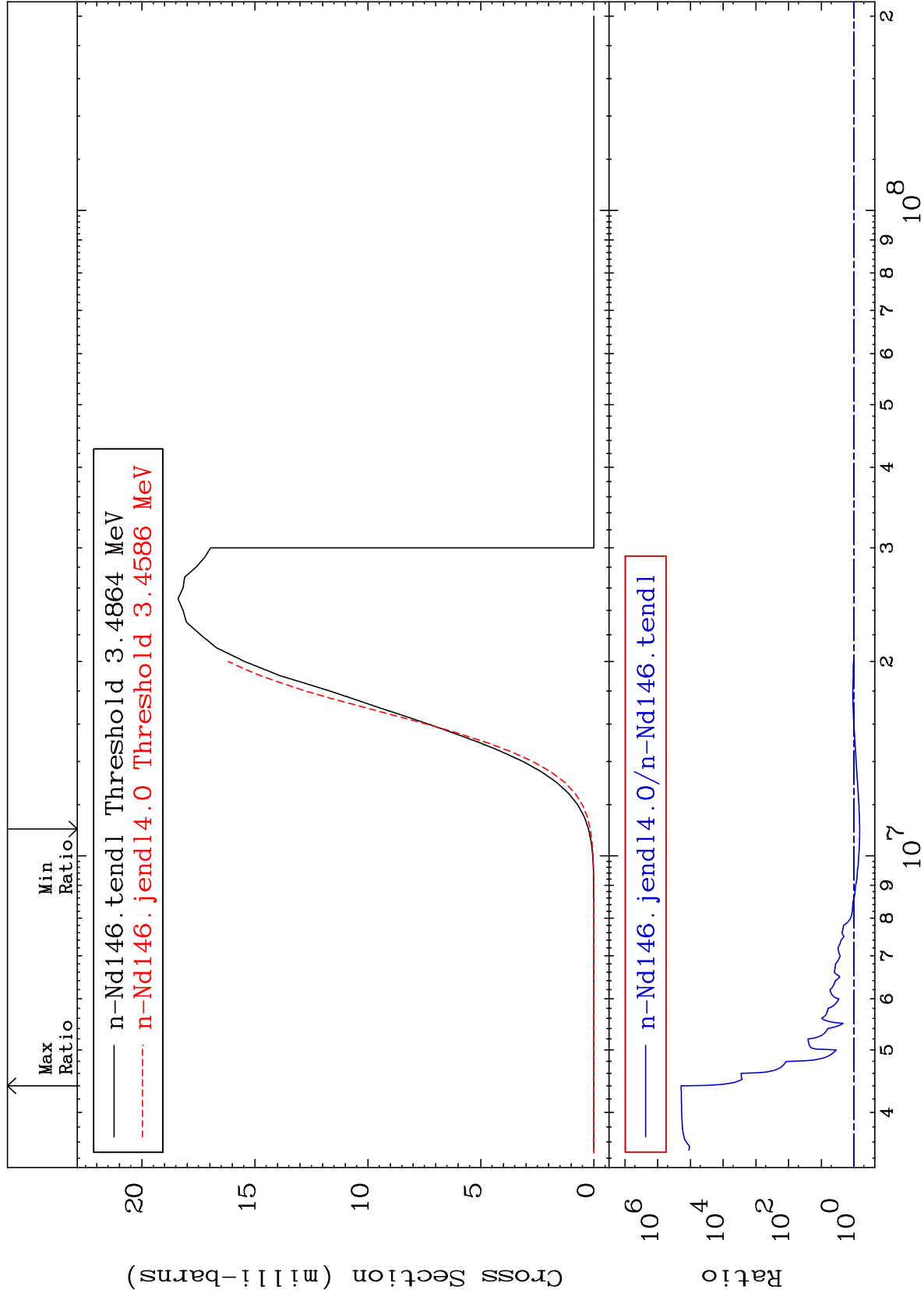
MAT 6037

(n, p)

60-Nd-146

Cross Section

-32.63 To 9999. %



43

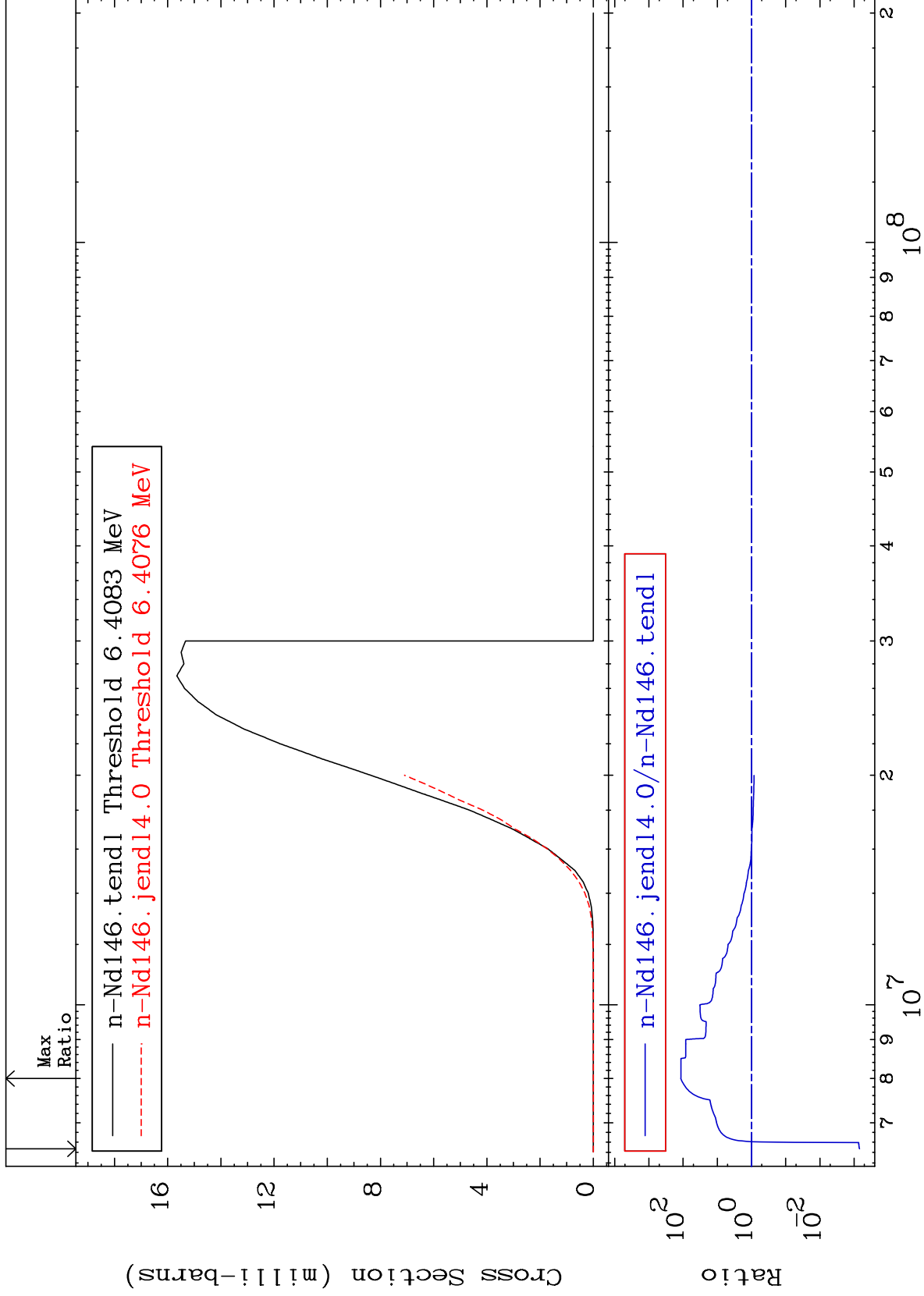
Incident Energy (eV)

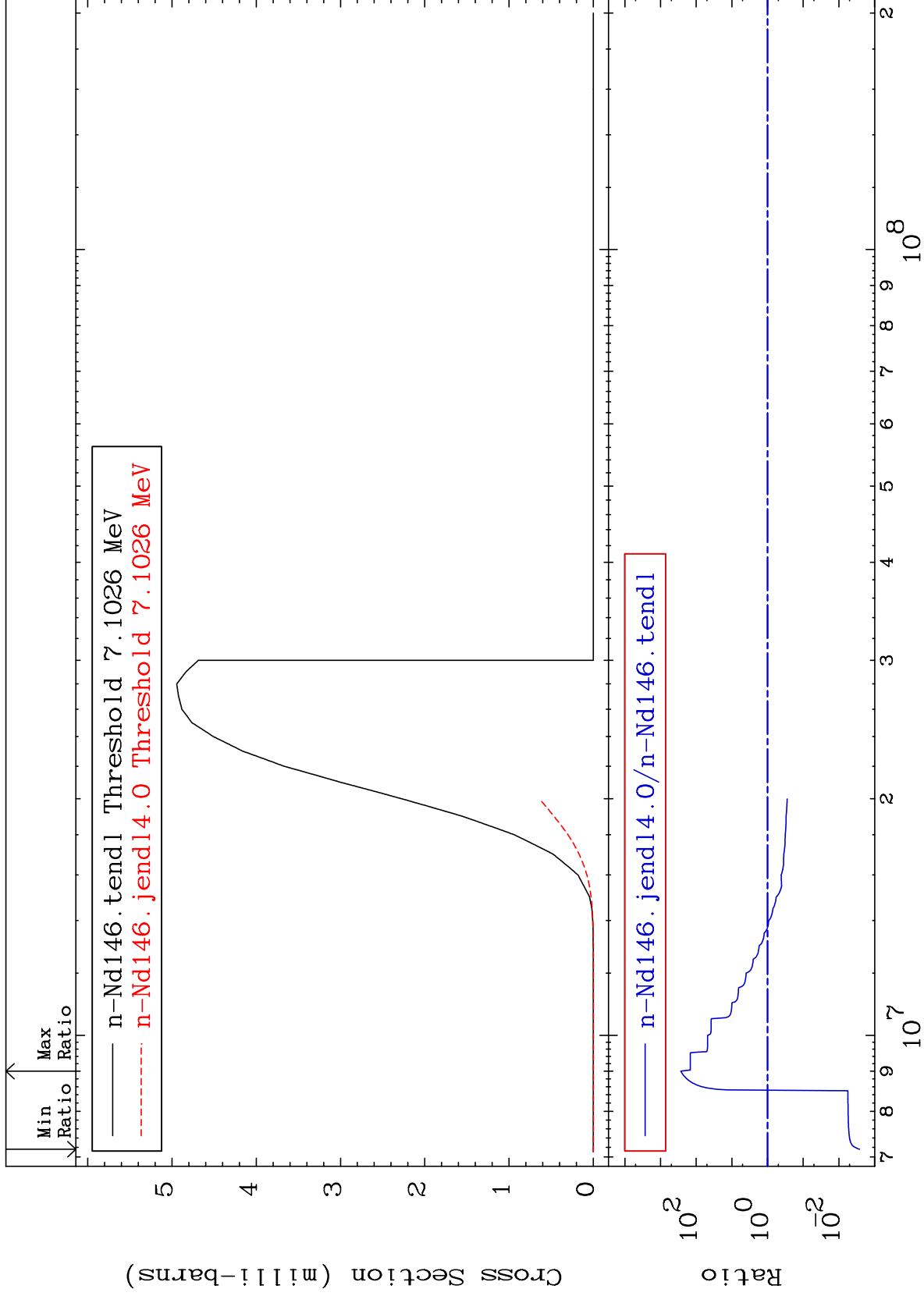
60-Nd-146

MAT 6037

(n, d)
Cross Section

60-Nd-146
-99.93 To 9999. %





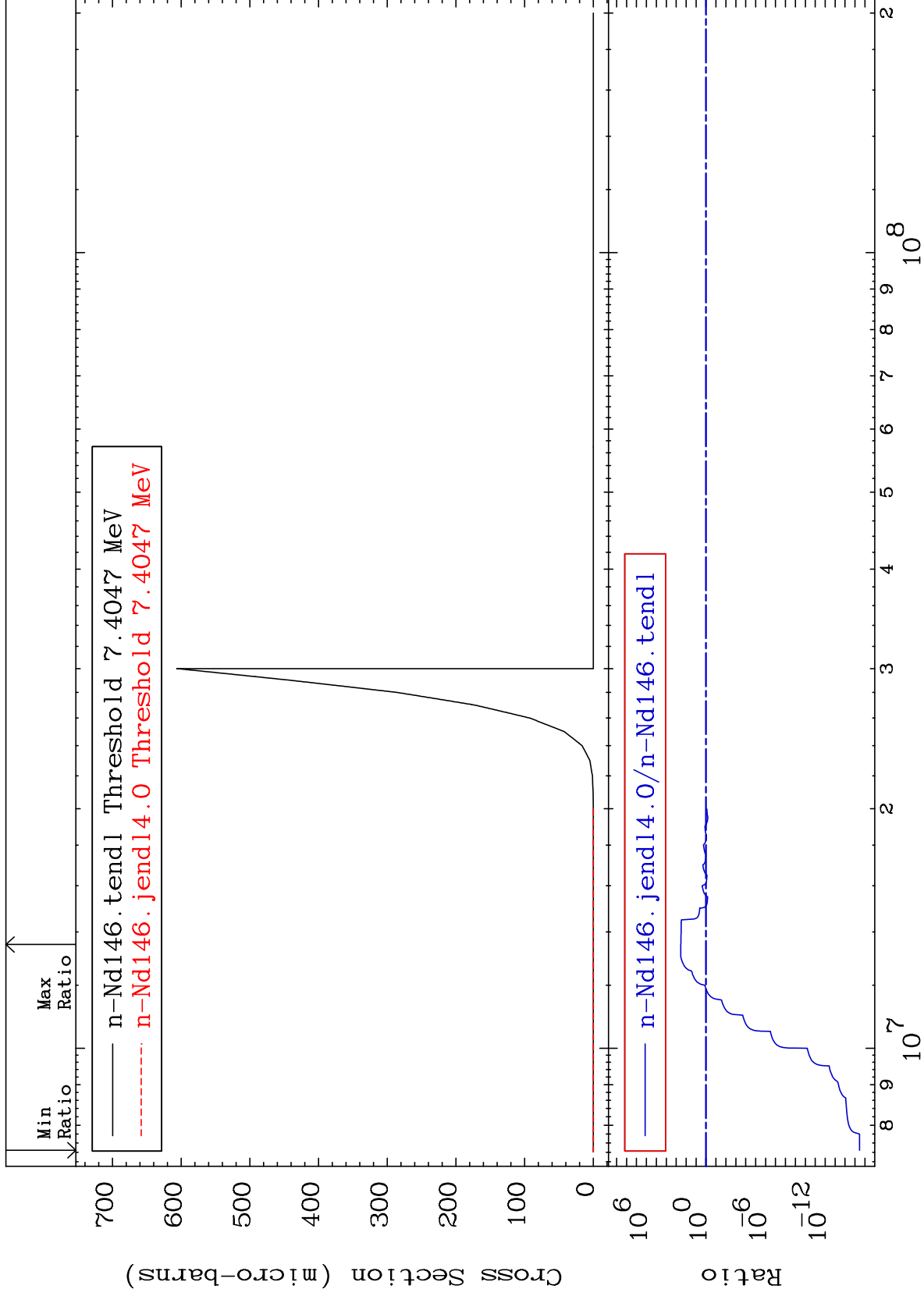
MAT 6037

(n, He-3)

60-Nd-146

Cross Section

-100.0 To 9999. %



46

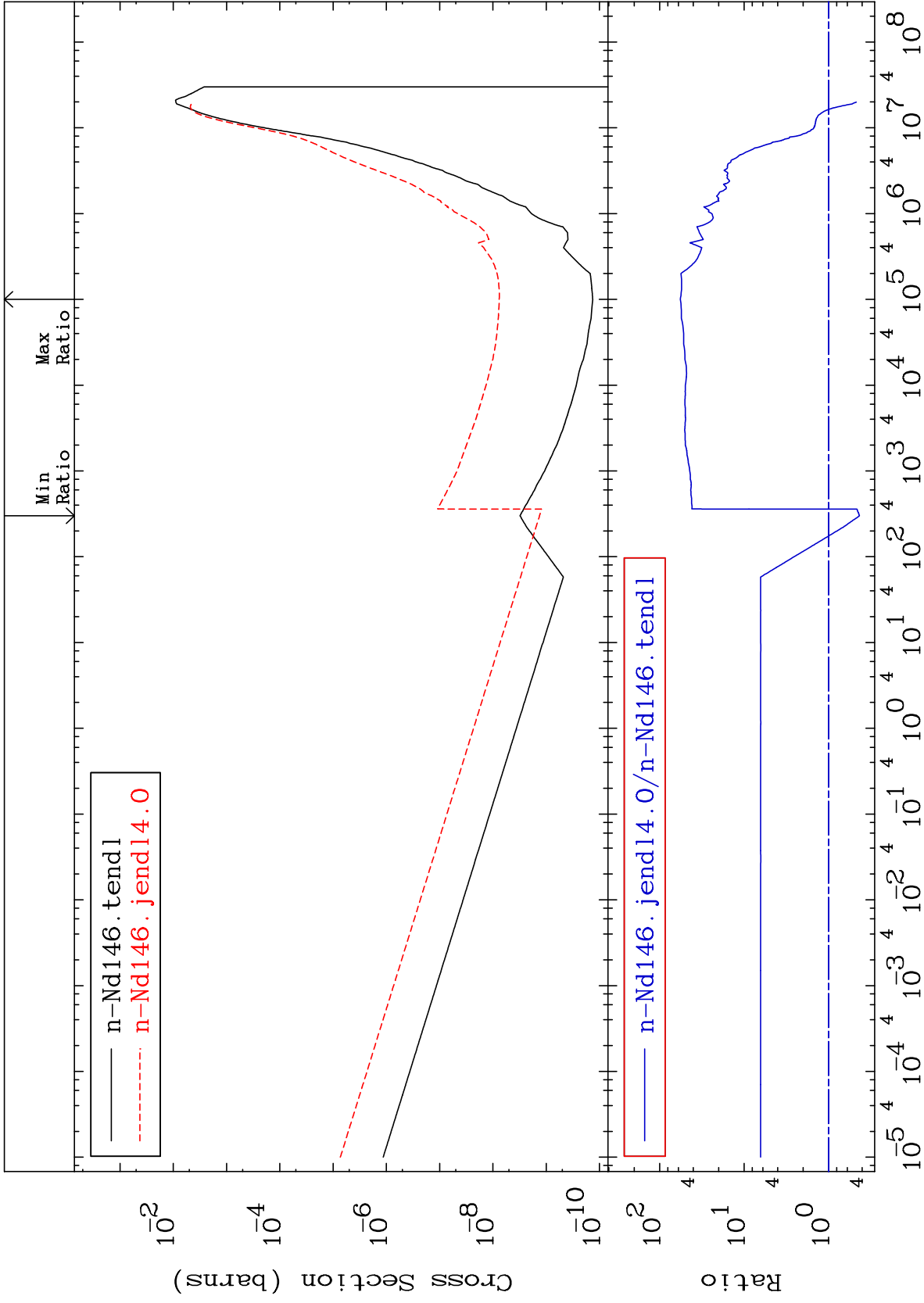
Incident Energy (eV)

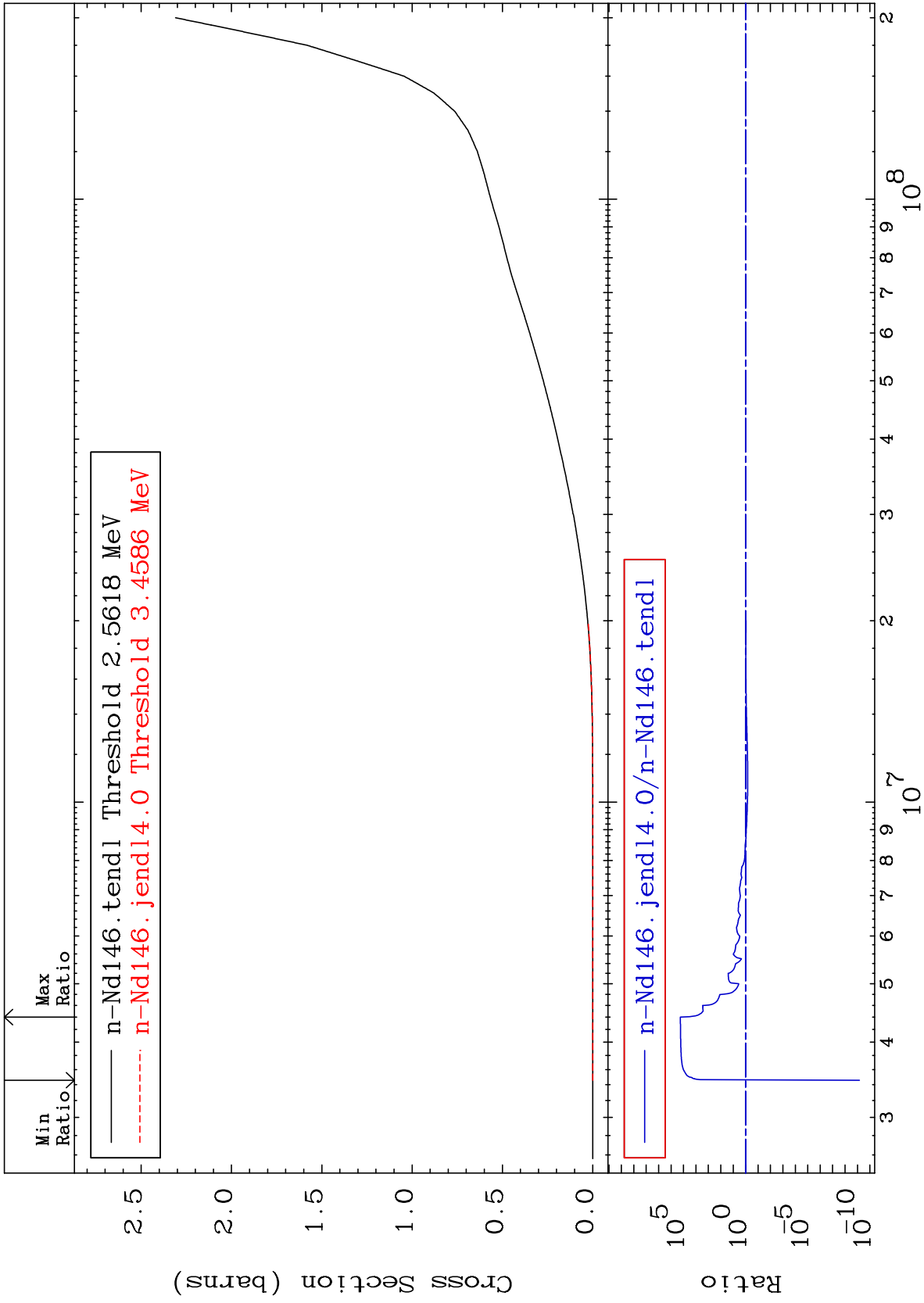
60-Nd-146

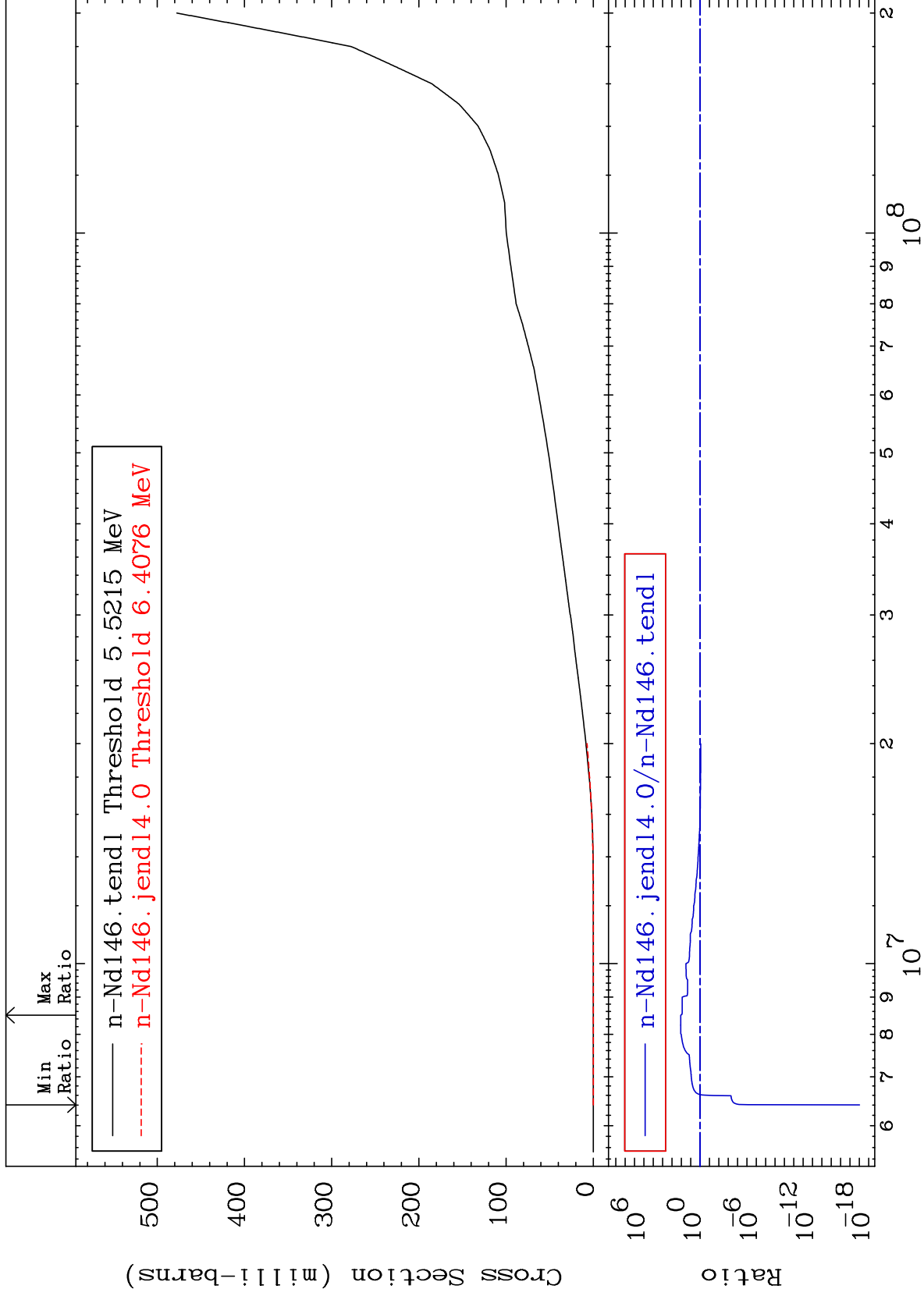
MAT 6037

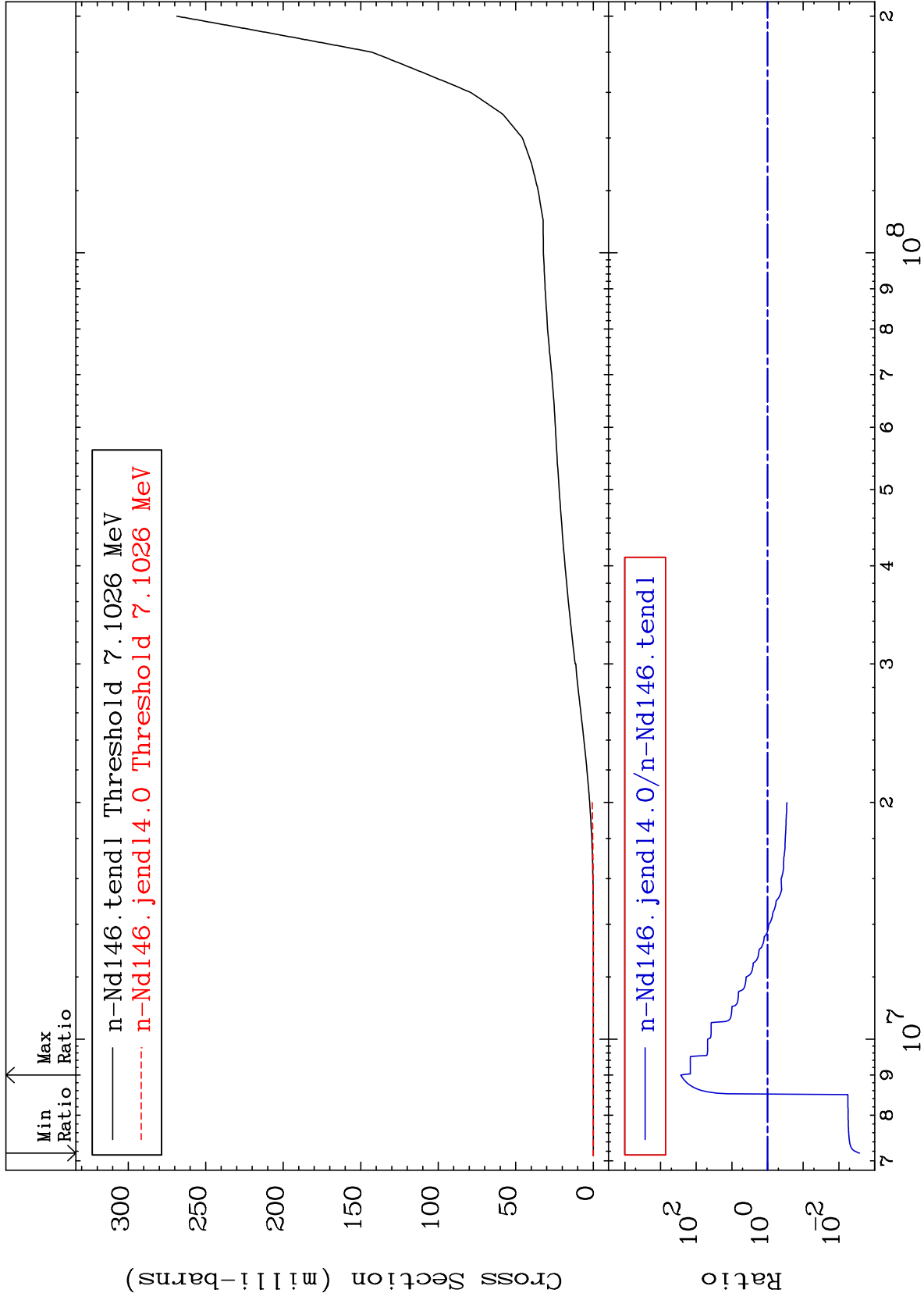
(n, α)
Cross Section

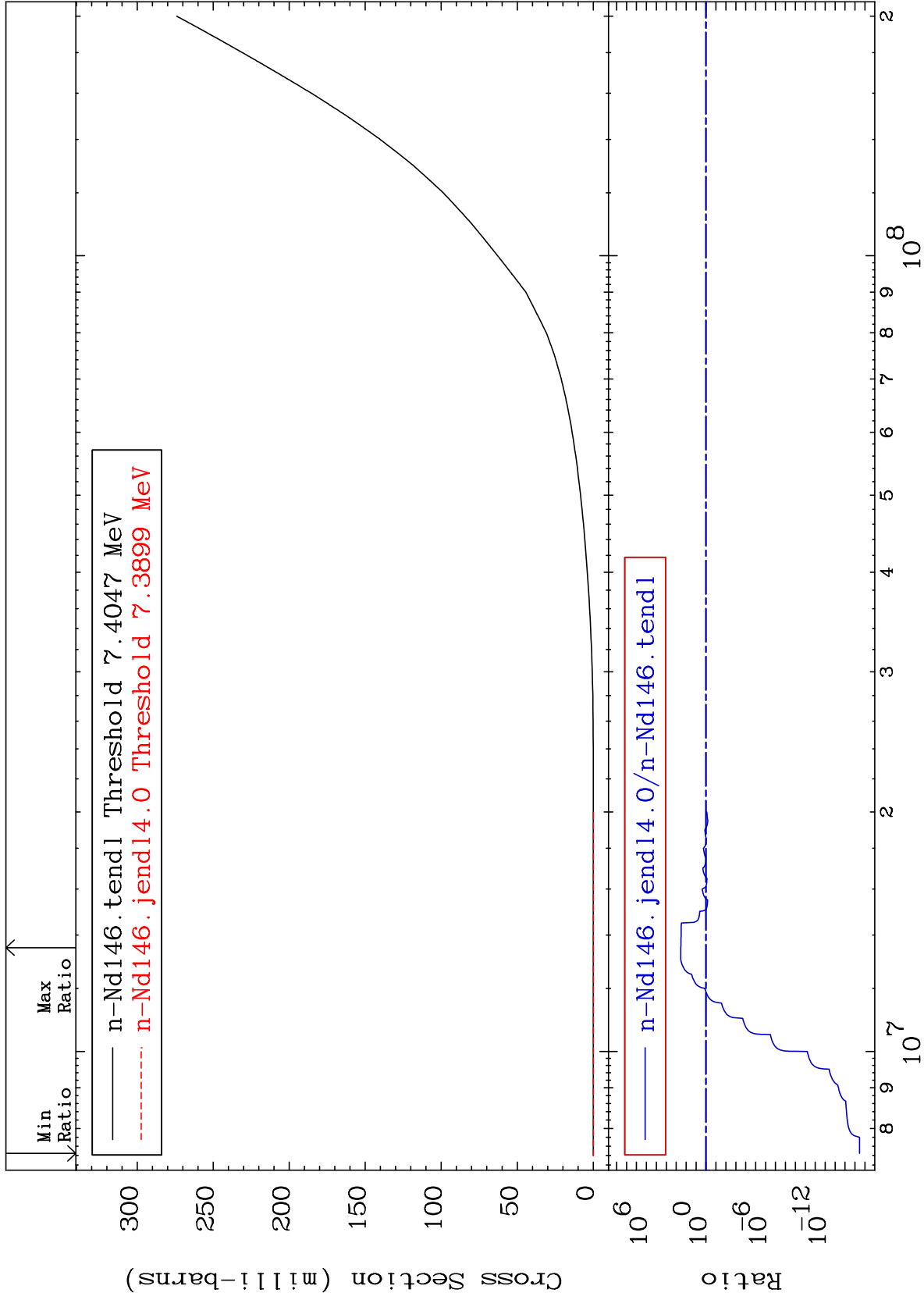
60-Nd-146
-56.93 To 5585. %

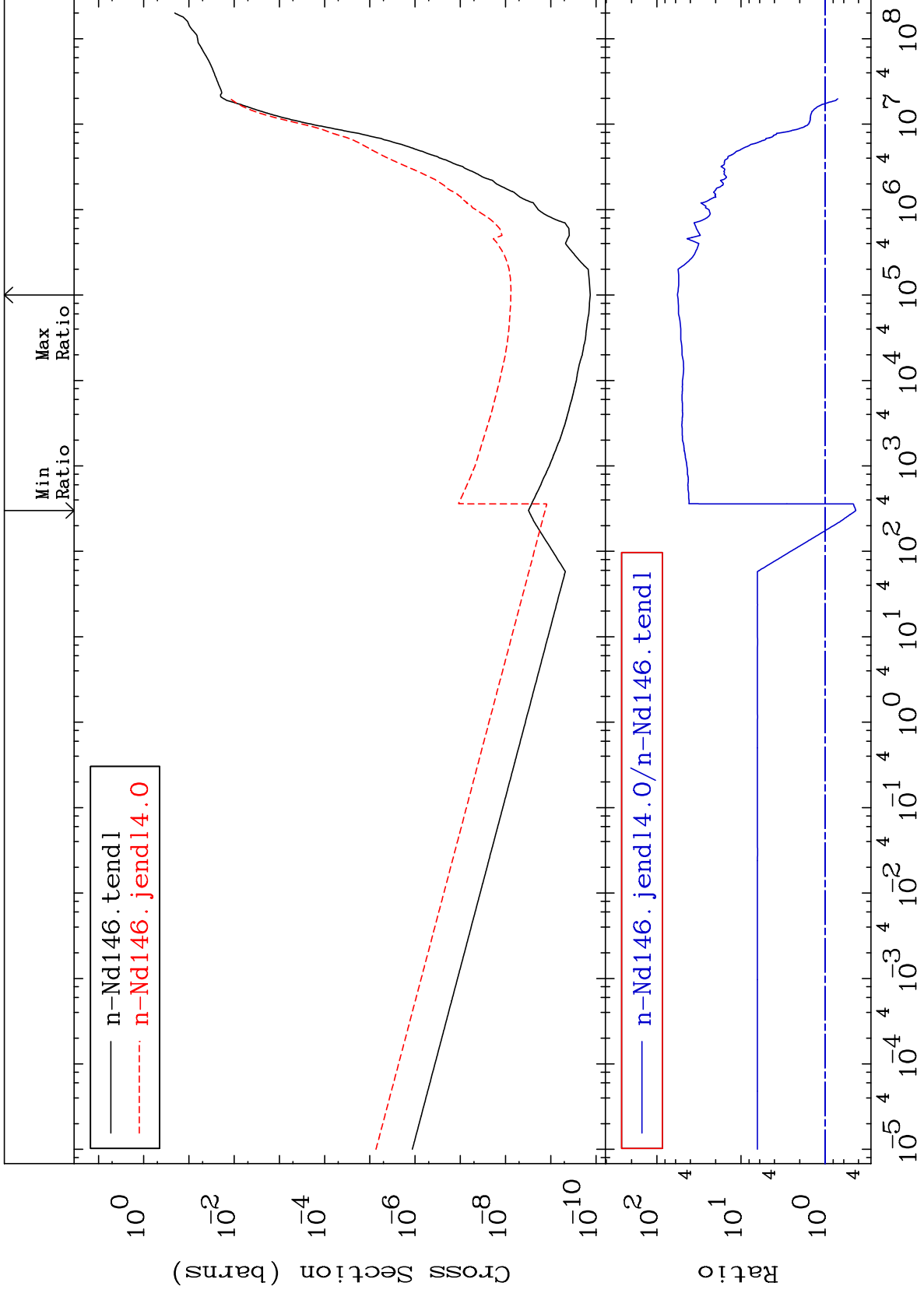








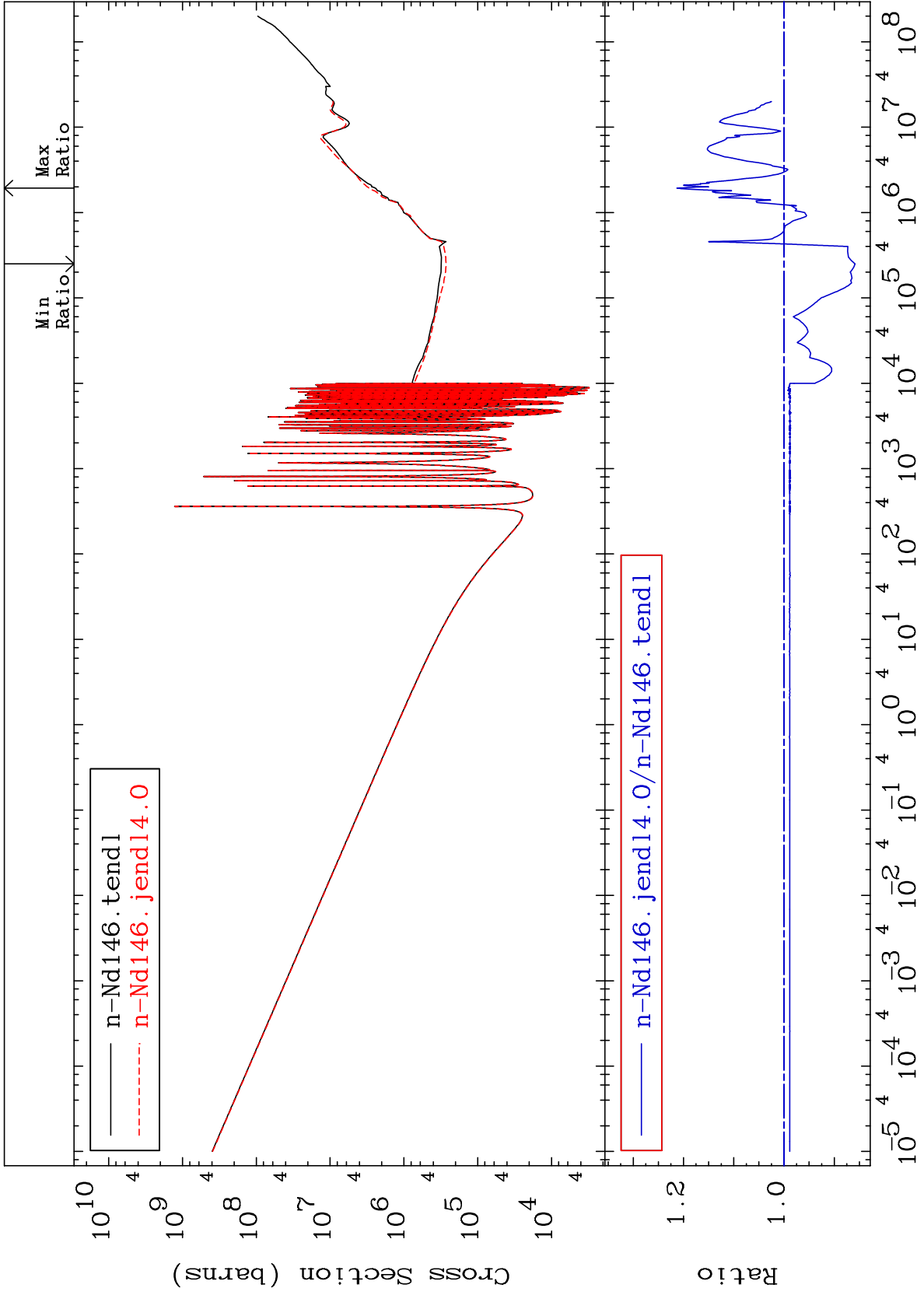


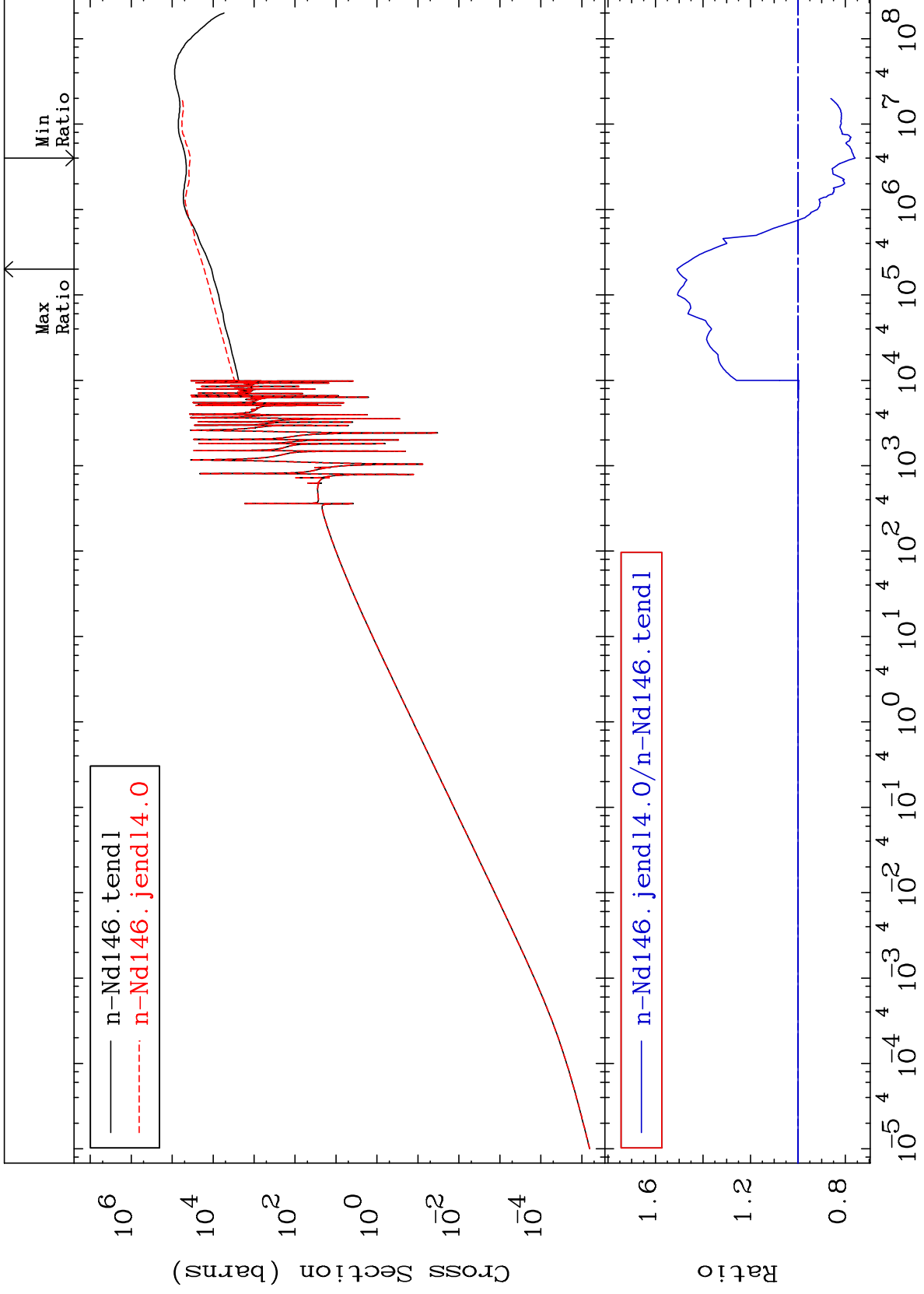


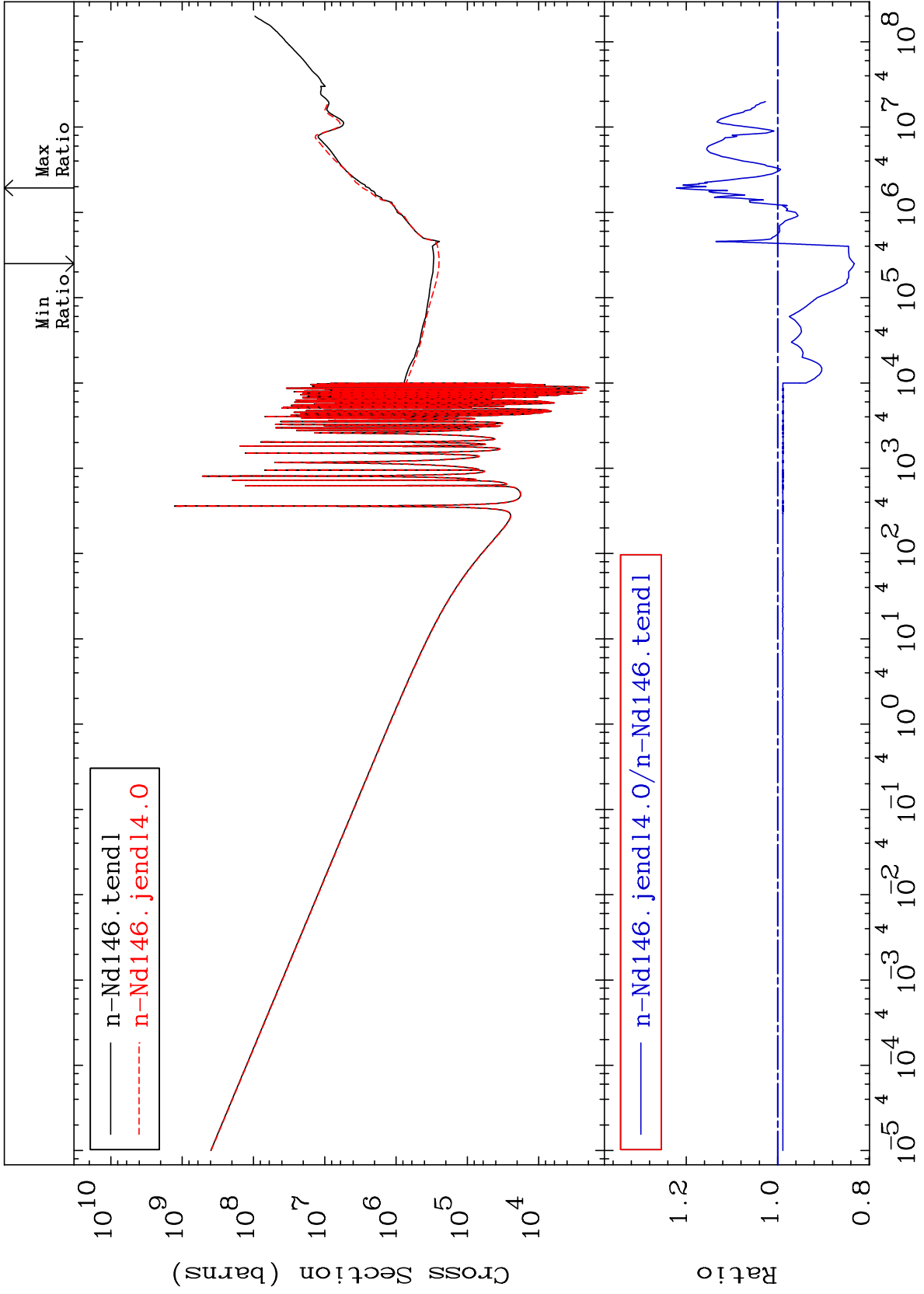
MAT 6037

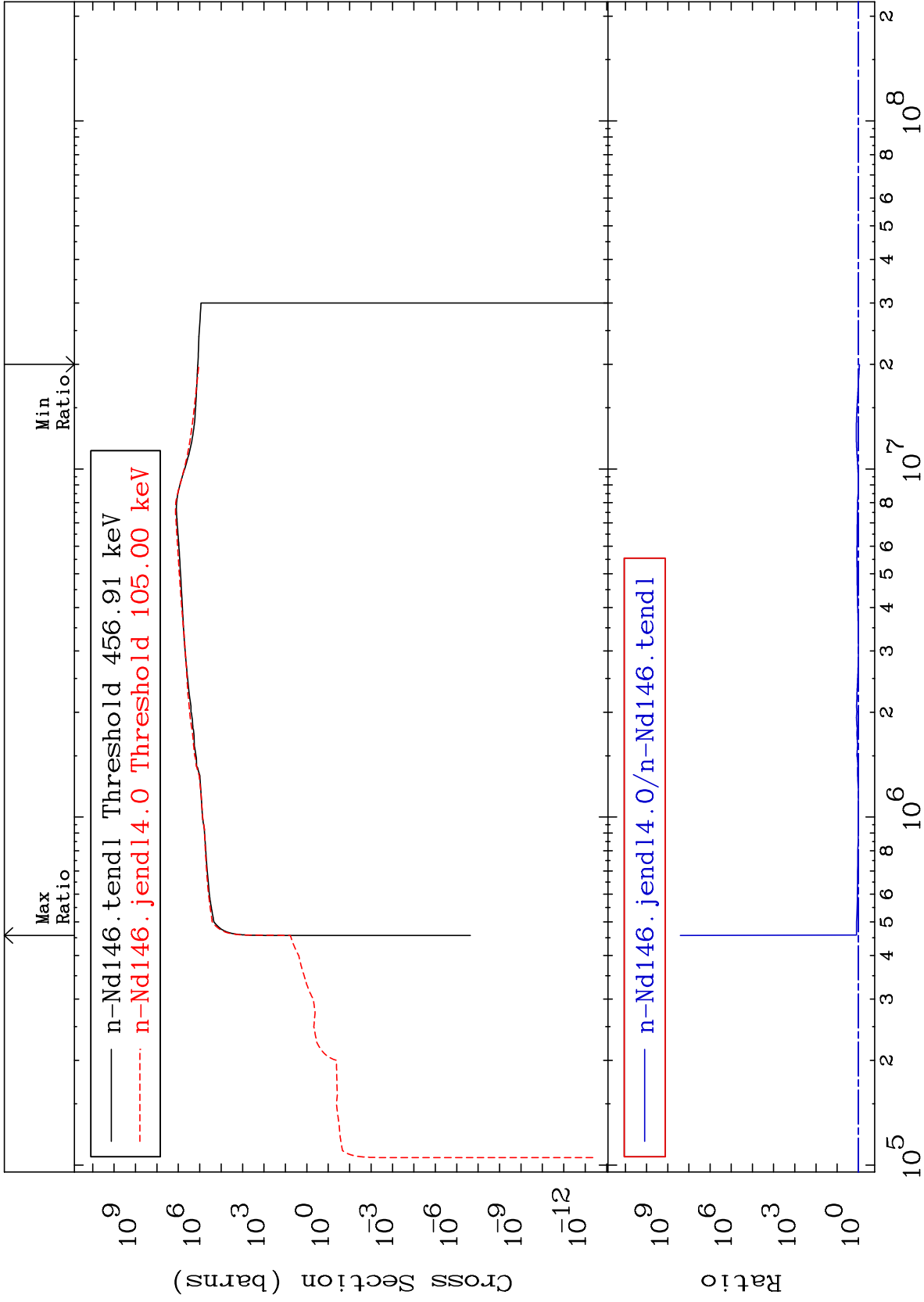
Kerma total (eV-barns)
Cross Section

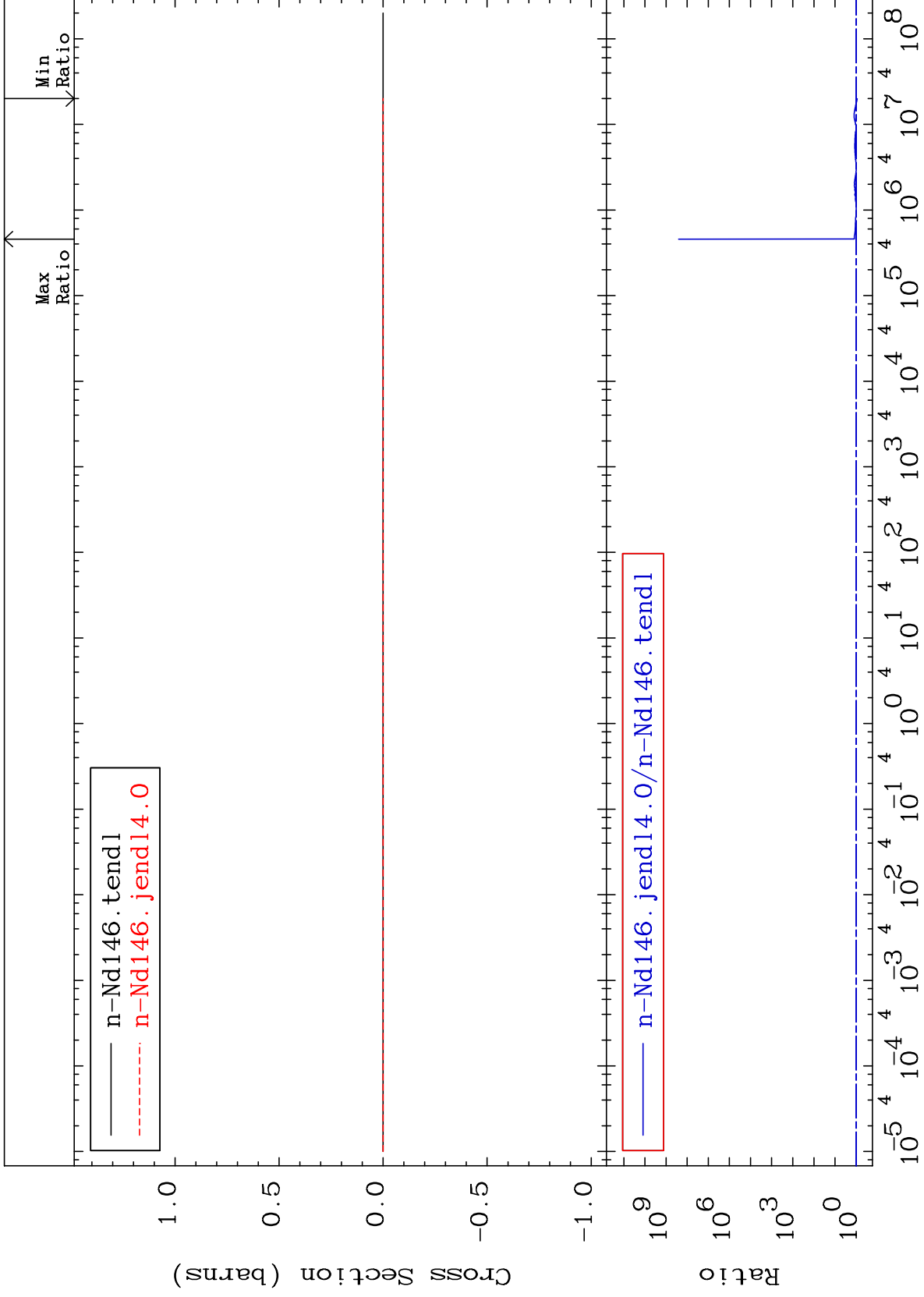
60-Nd-146
-14.15 To 21.31 %







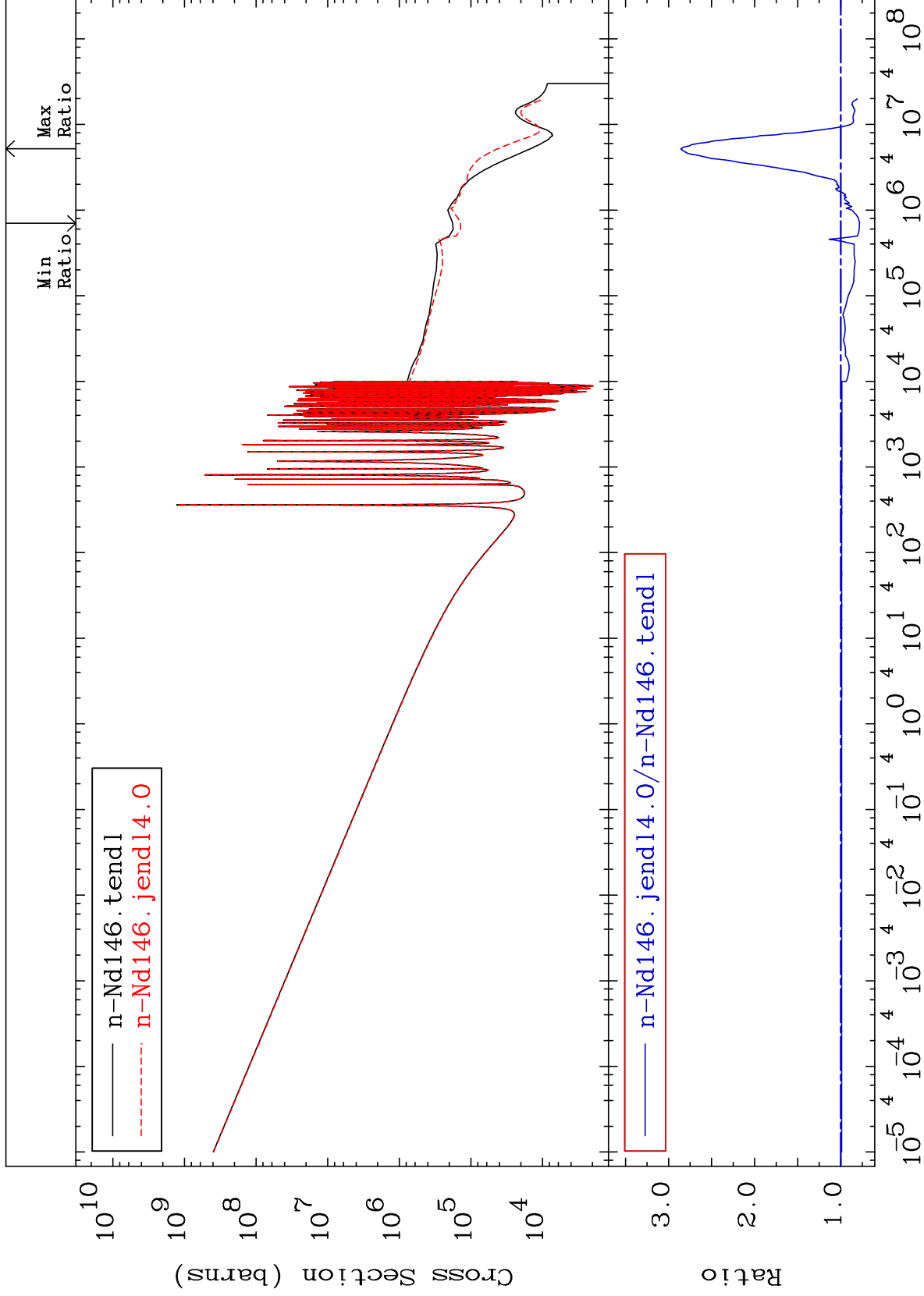




MAT 6037

Kerma capture (mt102)
Cross Section

60-Nd-146
-21.84 To 185.8 %



58

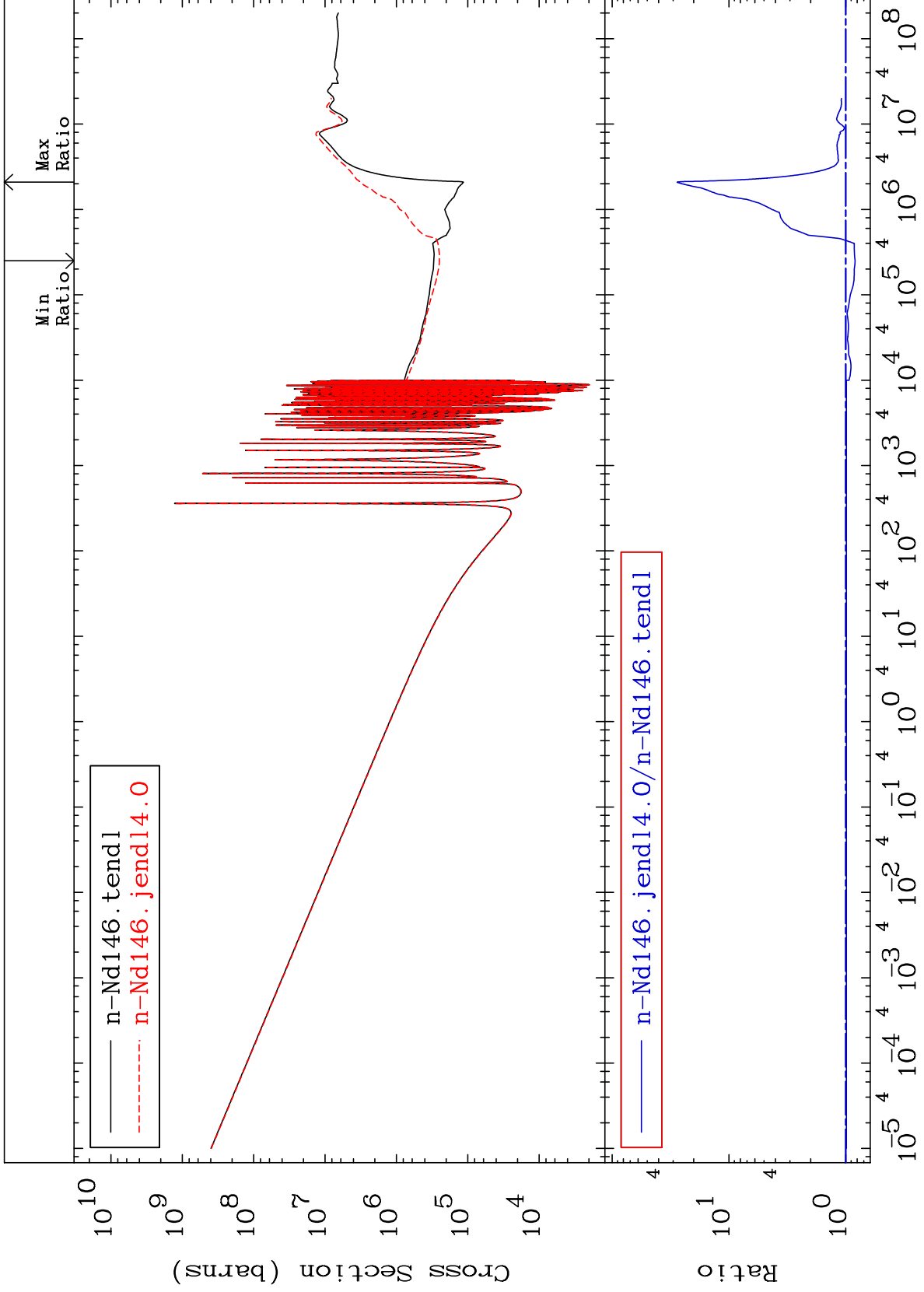
Incident Energy (eV)

60-Nd-146

MAT 6037

Total photon (eV-barns)
Cross Section

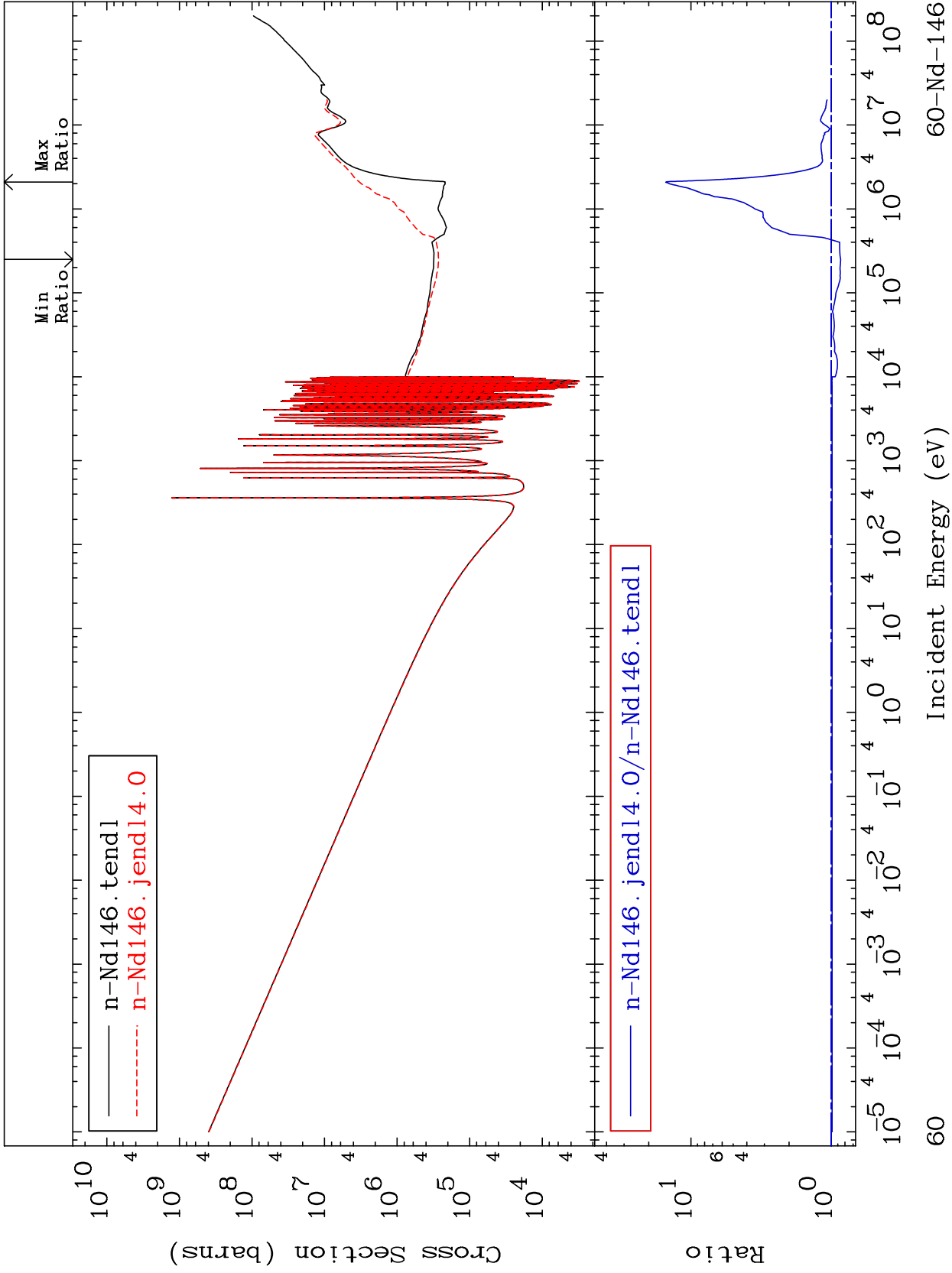
60-Nd-146
-16.78 To 2688. %



MAT 6037

Total kinematic kerma (high limit)
Cross Section

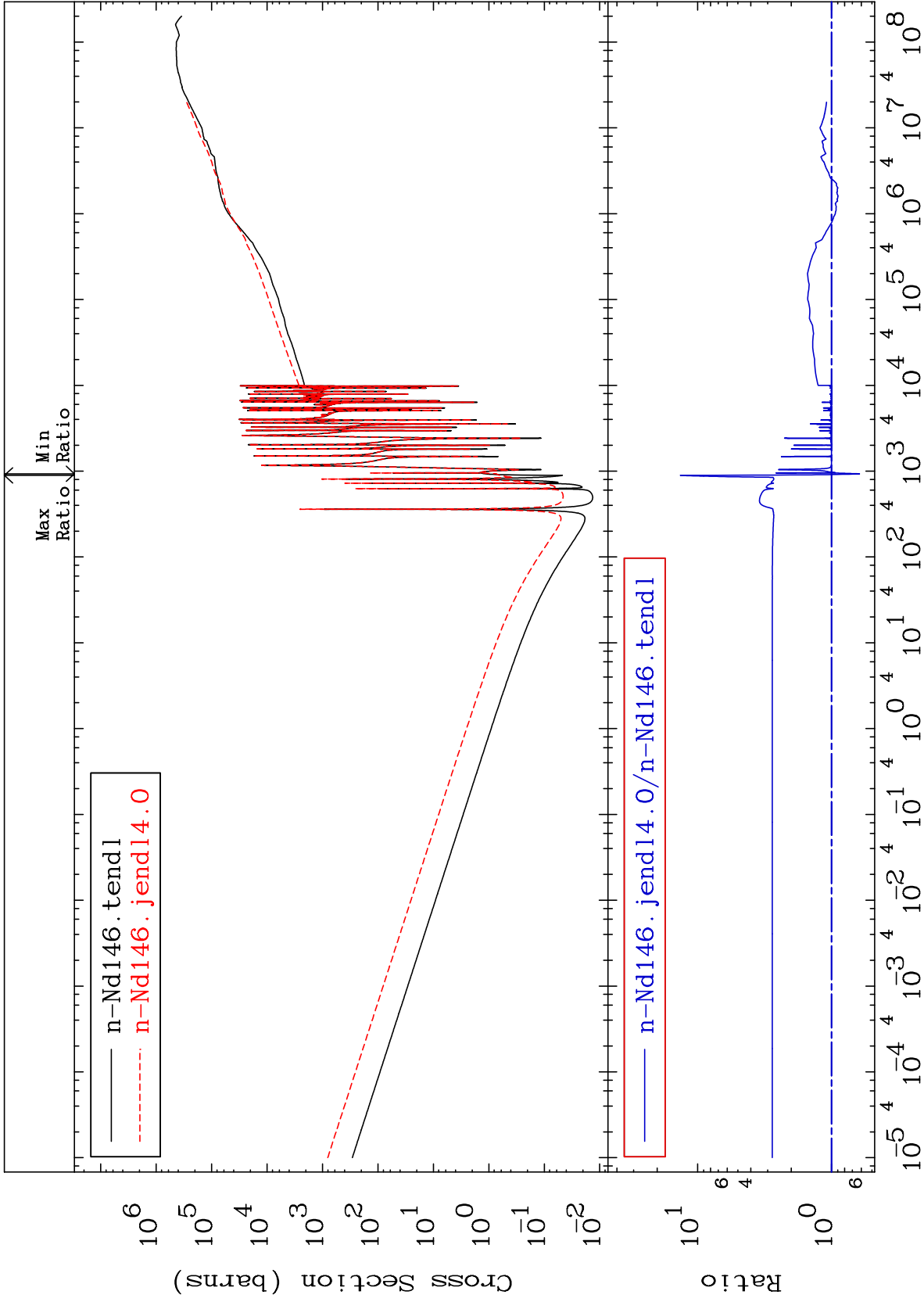
60-Nd-146
-14.15 To 1420. %



60

Incident Energy (eV)

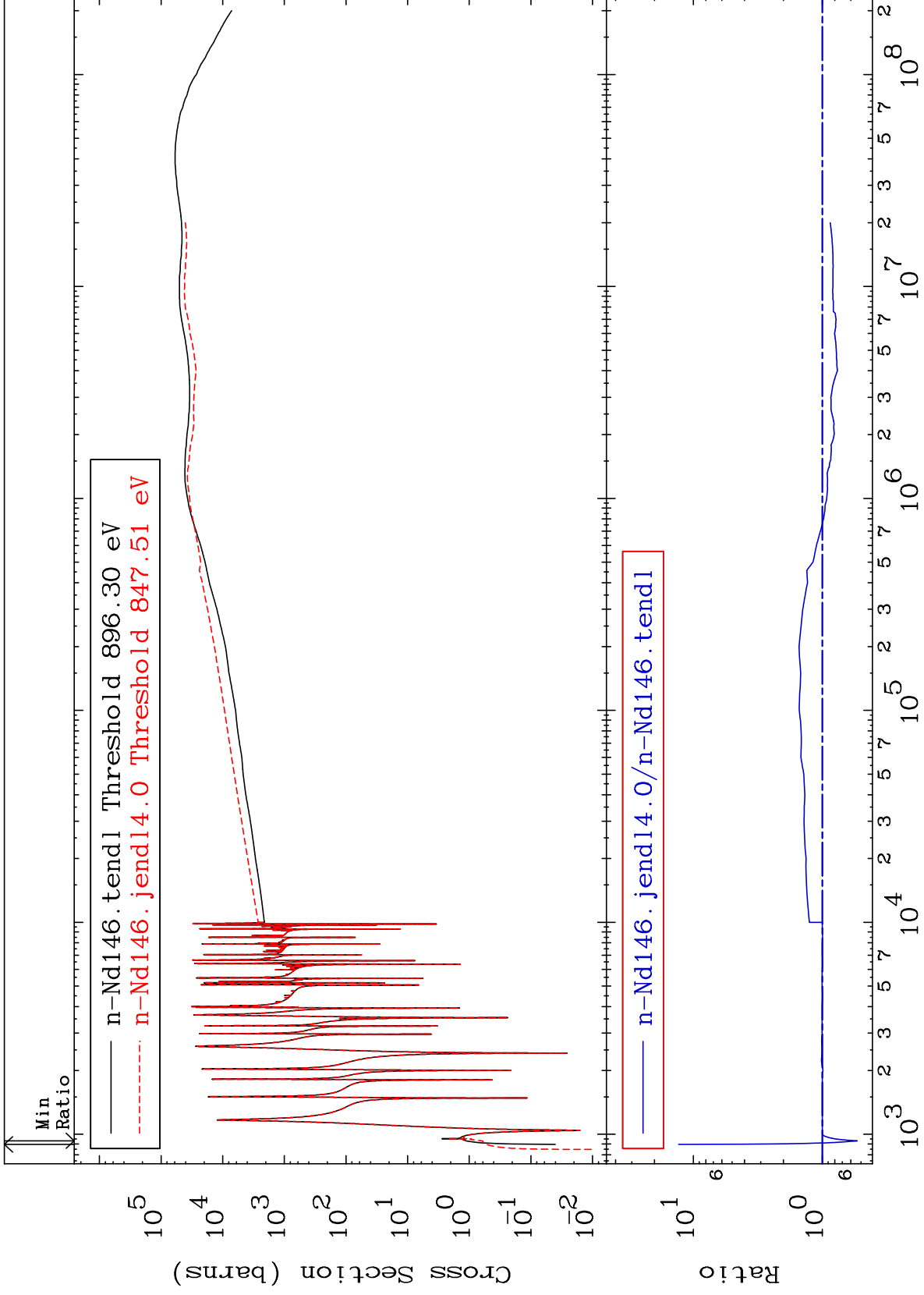
60-Nd-146



MAT 6037

Dpa elastic (mt2)
Cross Section

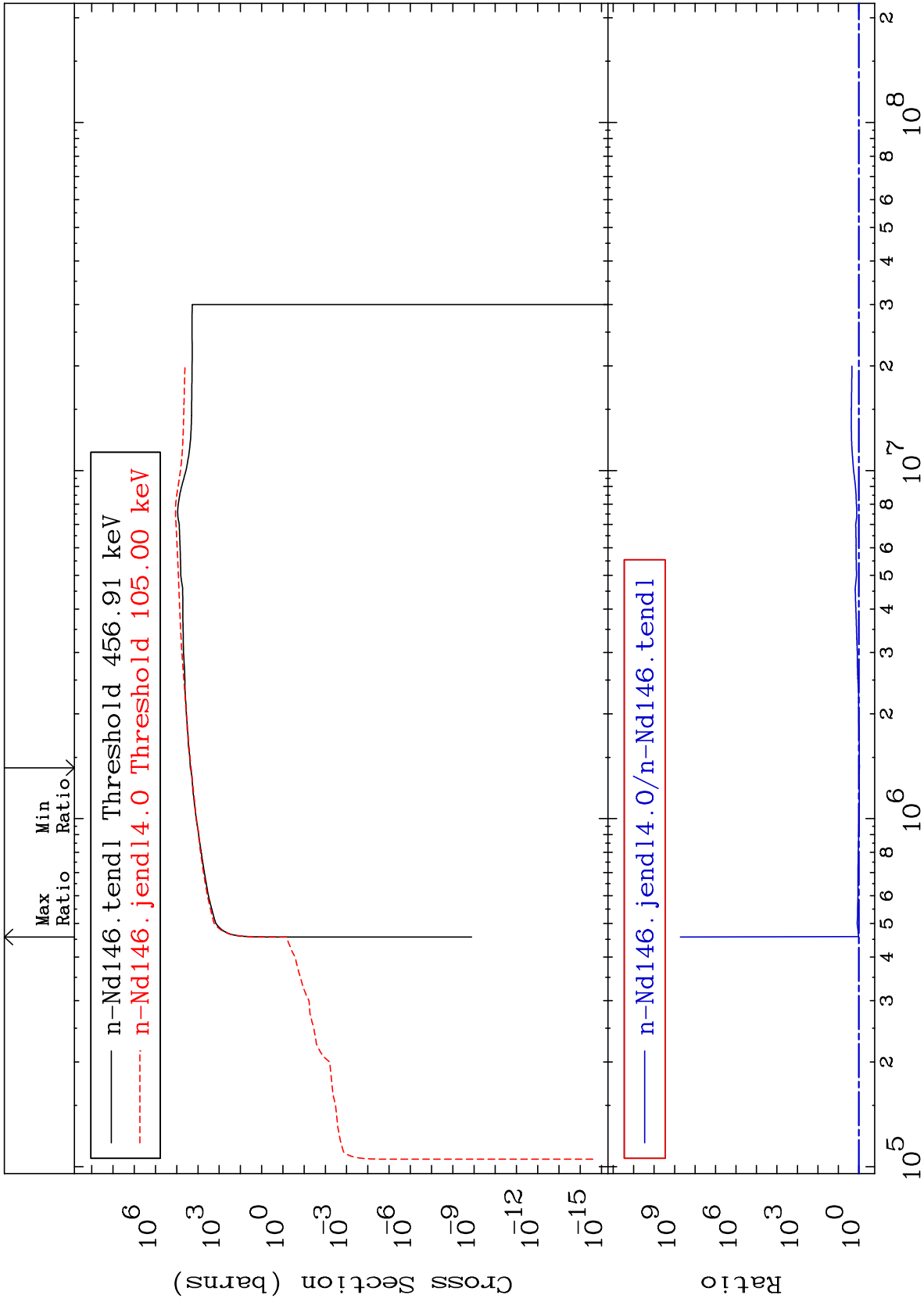
60-Nd-146
-46.48 To 1199. %



62

Incident Energy (eV)

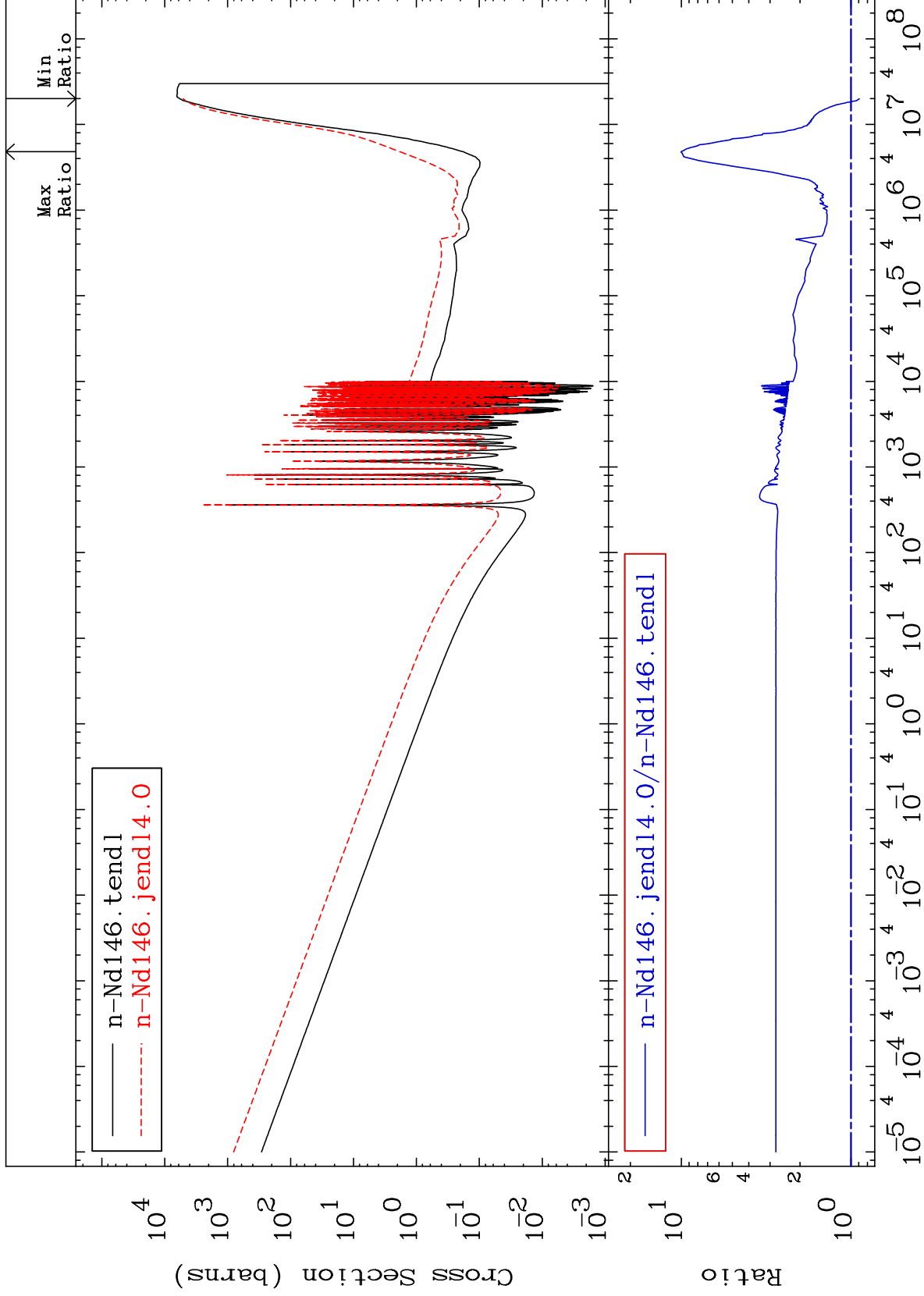
60-Nd-146



MAT 6037

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-146
-10.98 To 907.8 %



64

Incident Energy (eV)

60-Nd-146