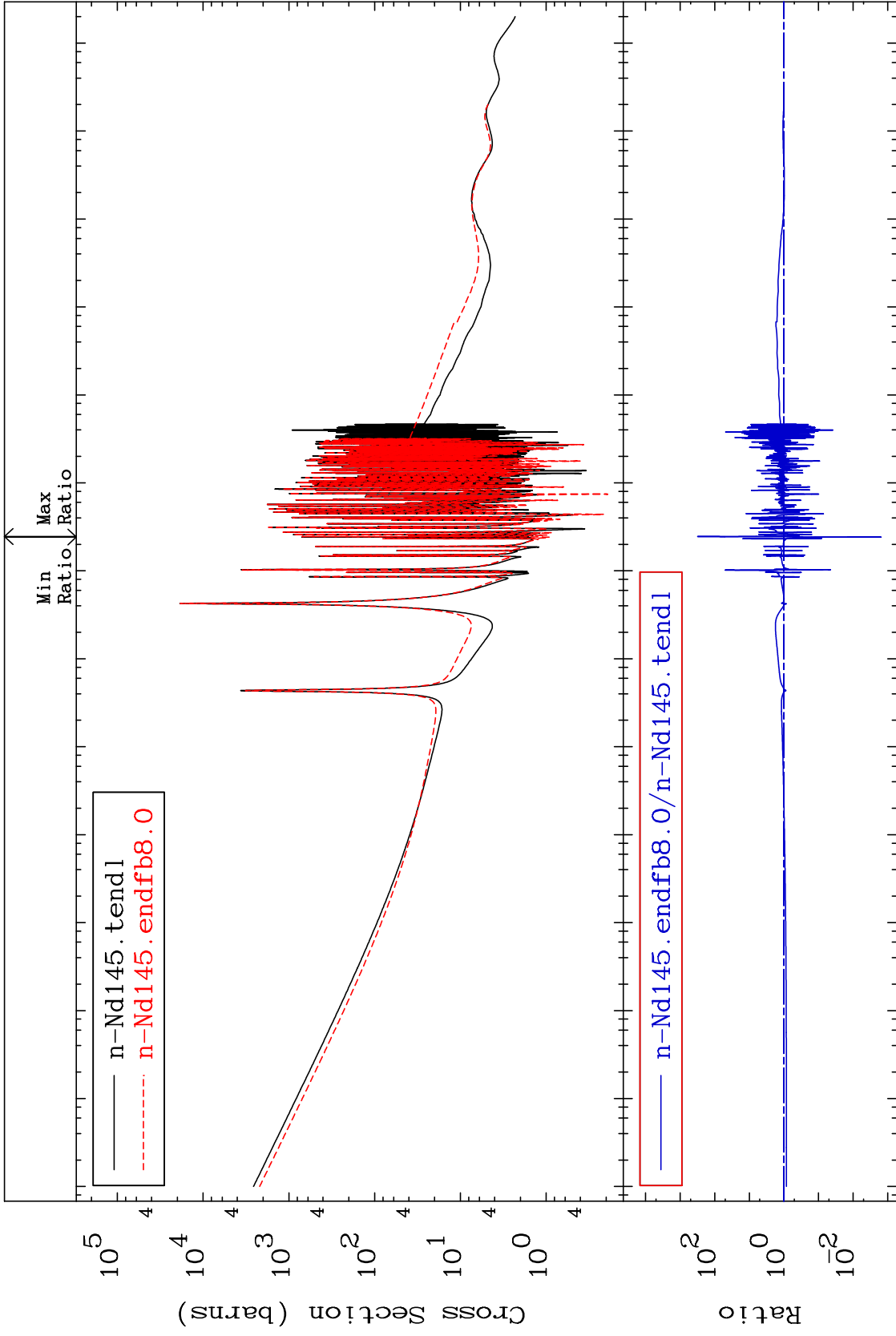


MAT 6034

Total
Cross Section

60-Nd-145
-99.85 To 9999. %



60-Nd-145

Incident Energy (eV)

1

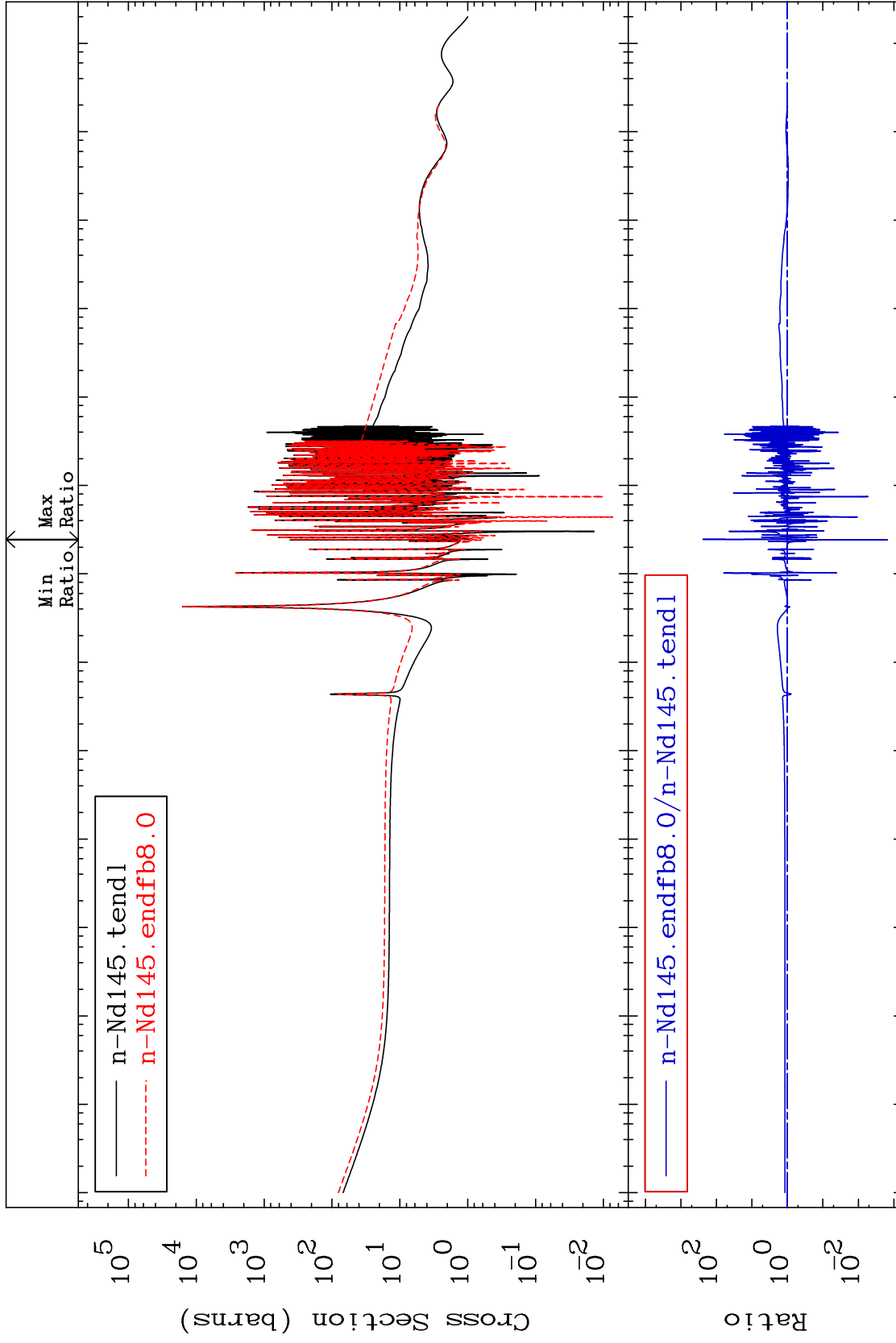
MAT 6034

Elastic

60-Nd-145

Cross Section

-99.85 To 9999. %



— n-Nd145.tendl
- - - n-Nd145.endfb8.0

— n-Nd145.endfb8.0/n-Nd145.tendl

Incident Energy (eV)

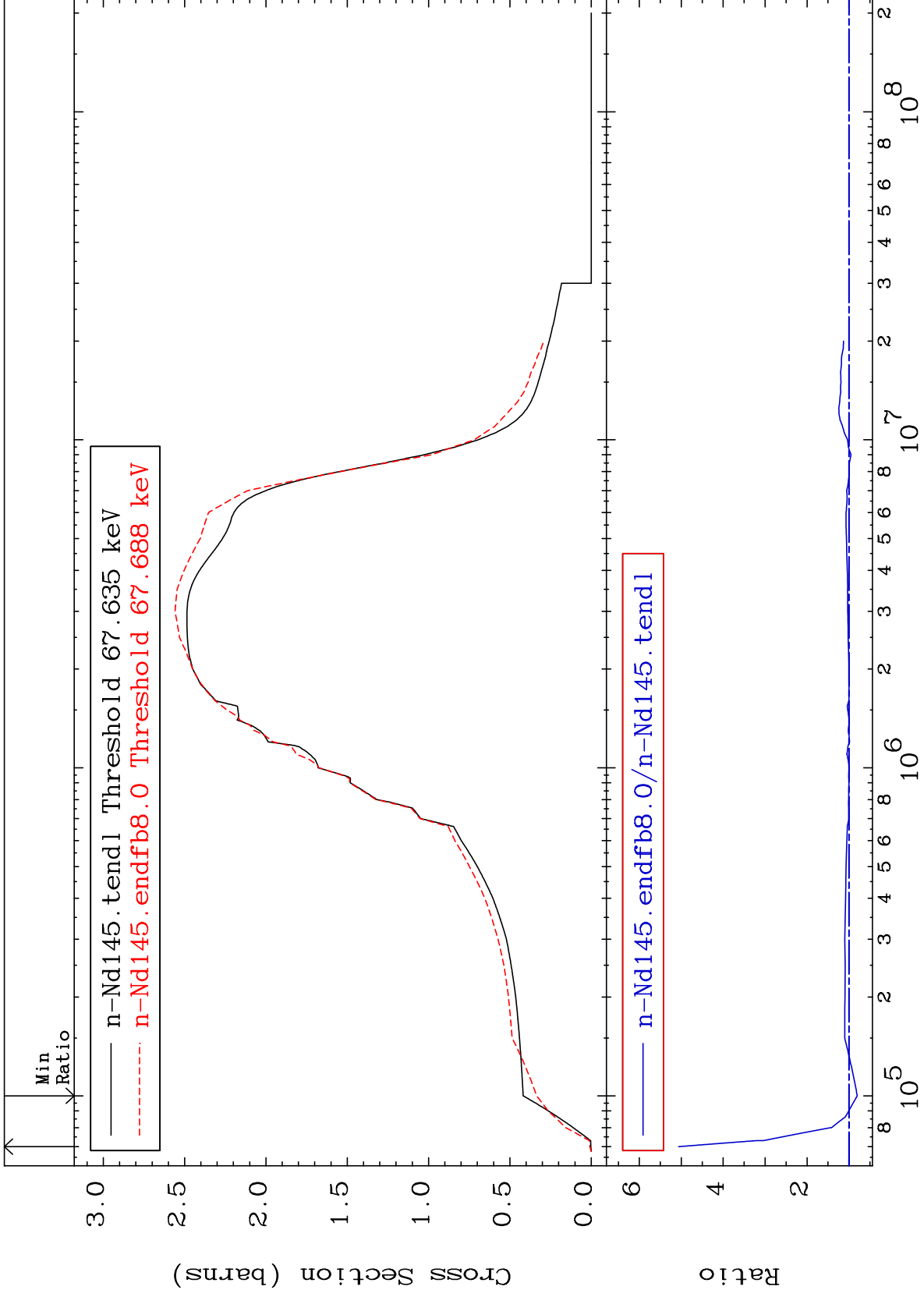
60-Nd-145

2

MAT 6034

Inelastic
Cross Section

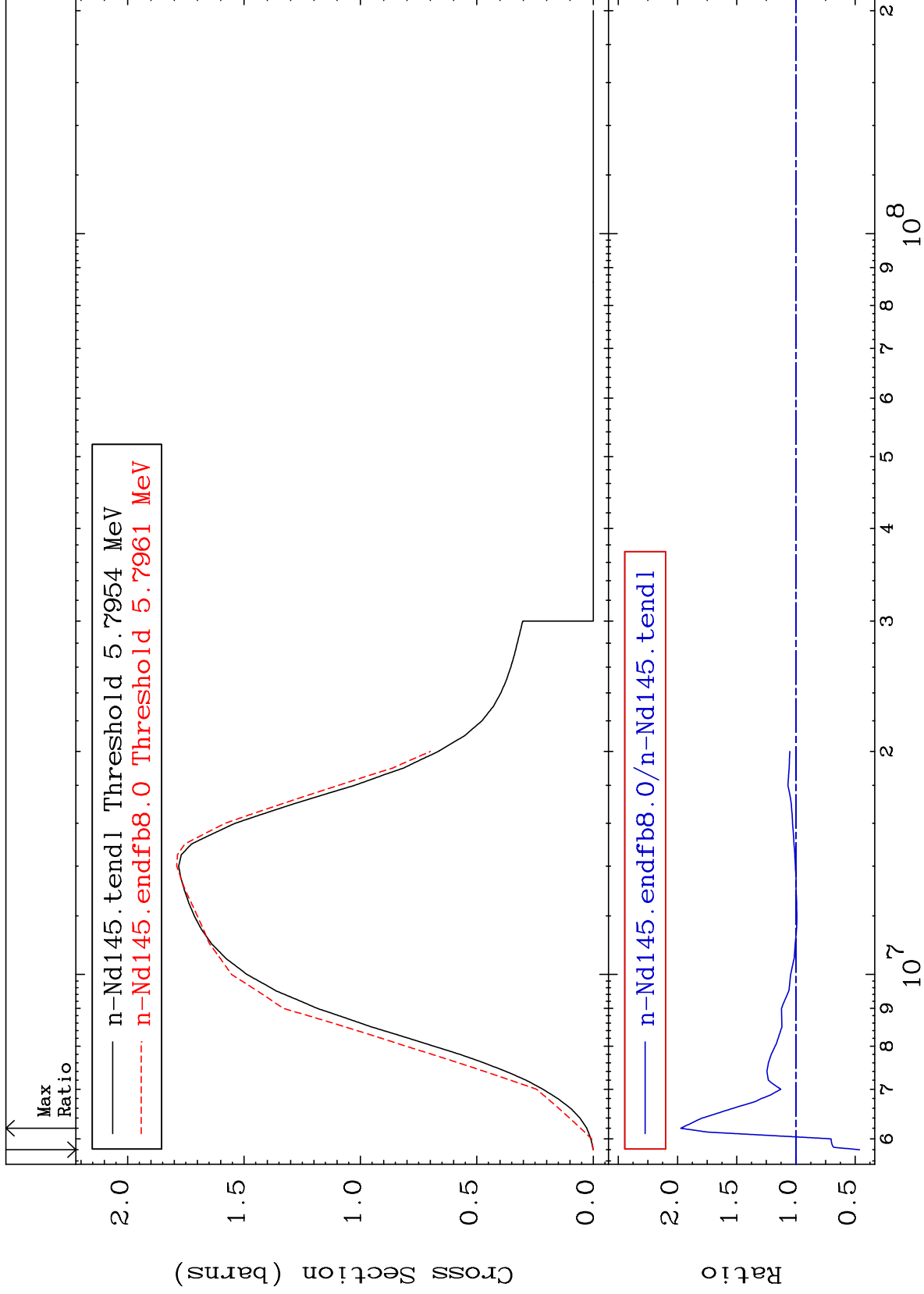
60-Nd-145
-19.75 To 406.3 %



MAT 6034

(n,2n)
Cross Section

60-Nd-145
-53.72 To 97.24 %



4

Incident Energy (eV)

60-Nd-145

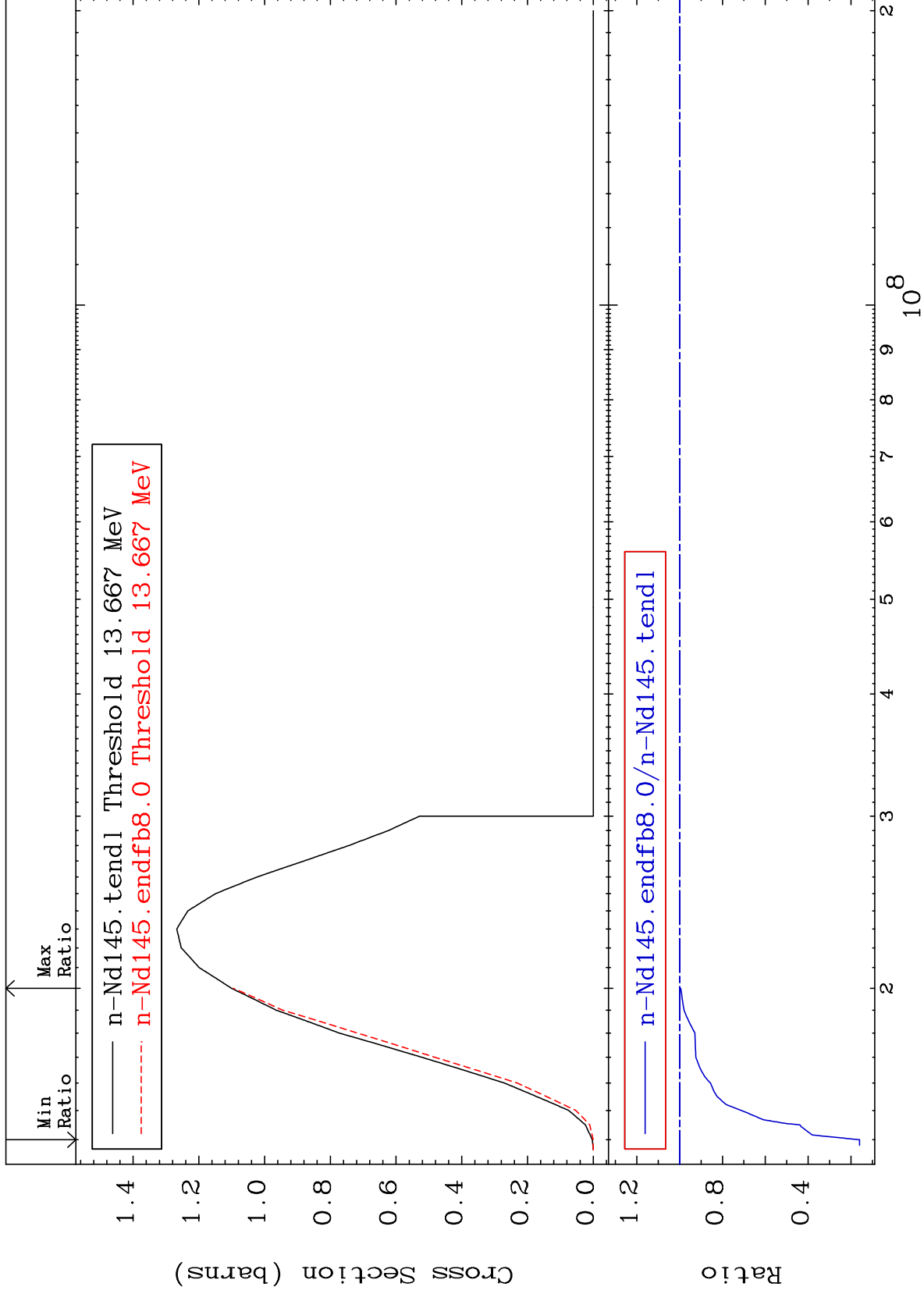
MAT 6034

(n,3n)

60-Nd-145

Cross Section

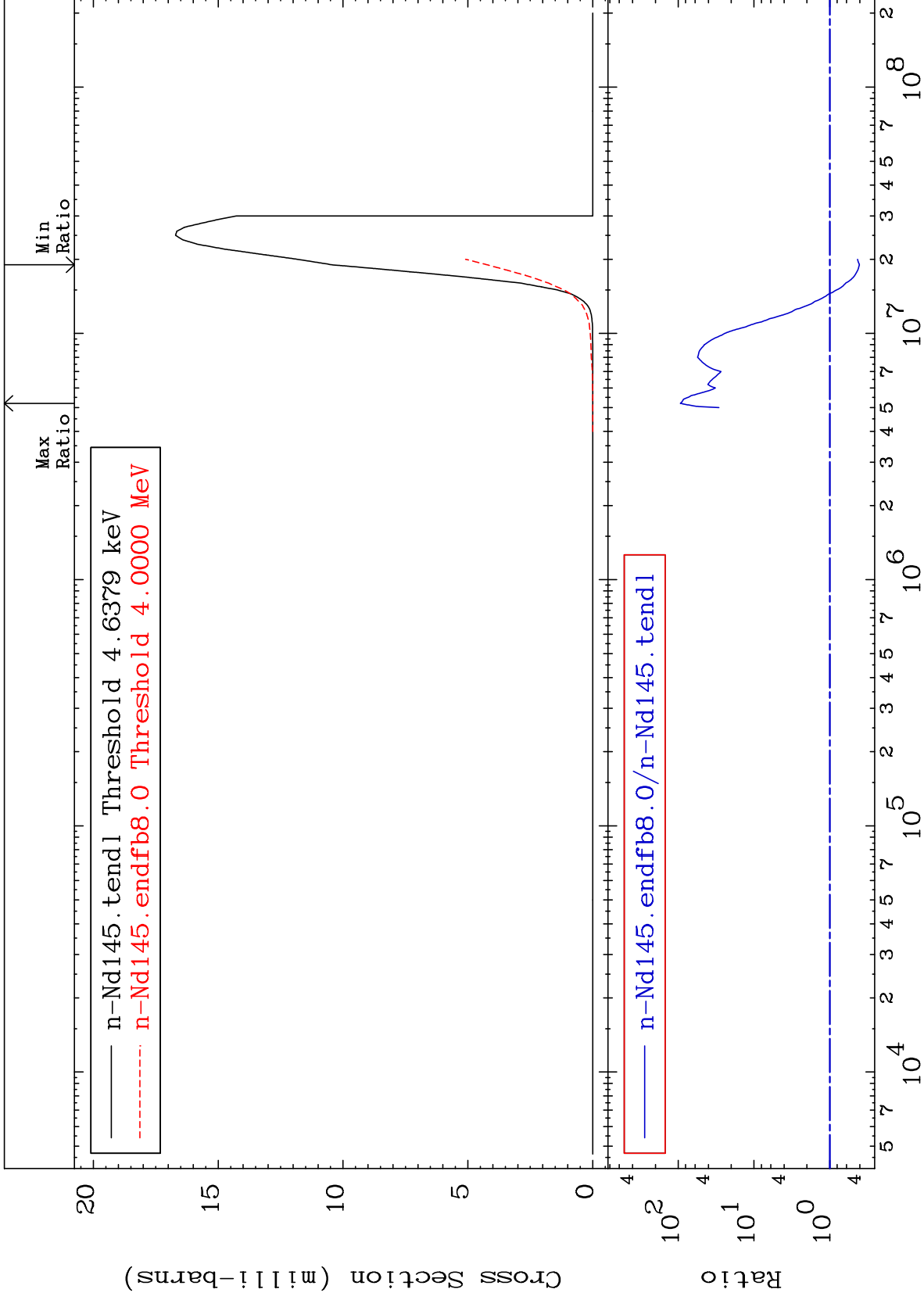
-83.98 To -0.541%



MAT 6034

(n, n') α
Cross Section

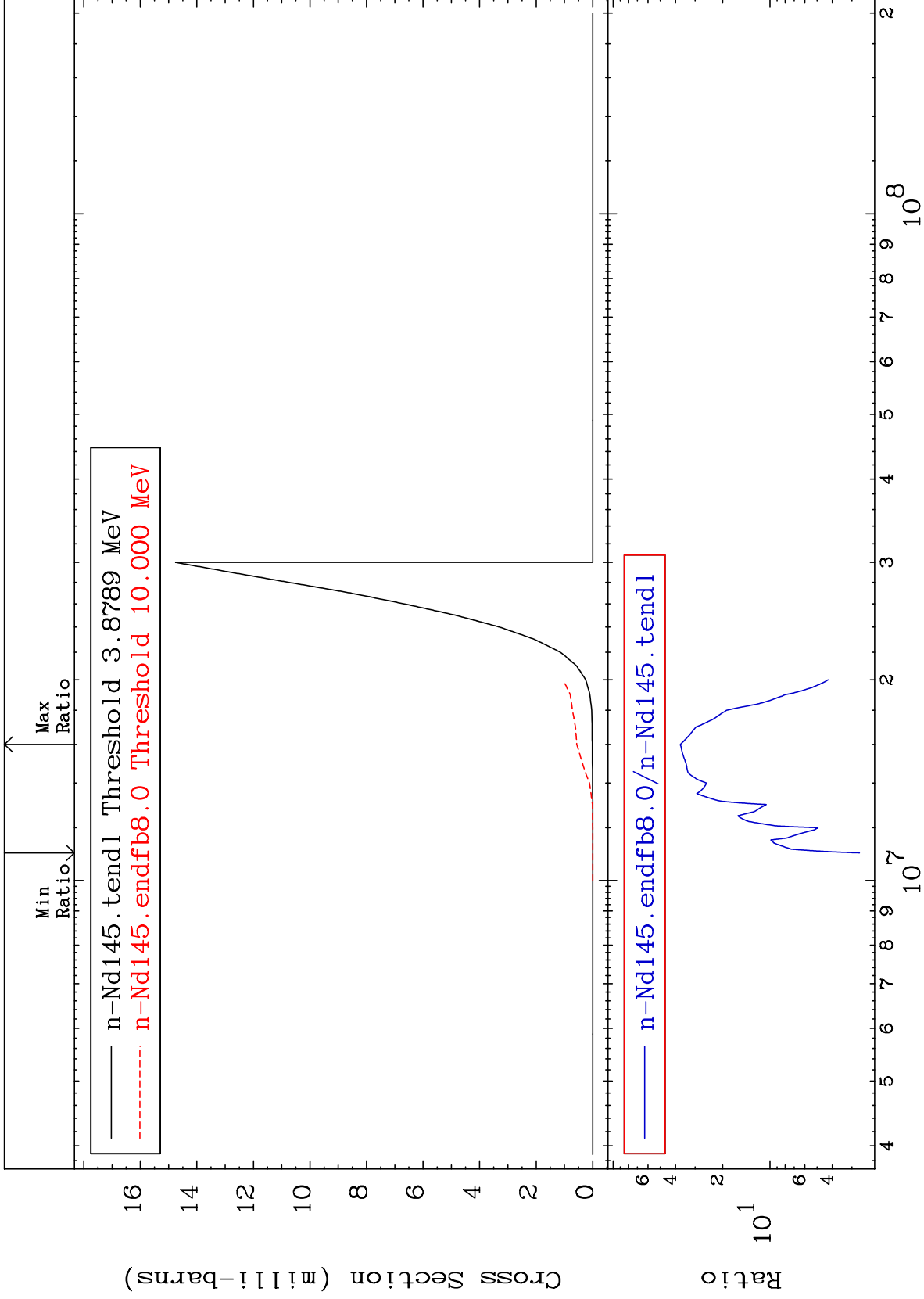
60-Nd-145
-59.46 To 9278. %



MAT 6034

(n,2n) α
Cross Section

60-Nd-145
168.9 To 3626. %



7

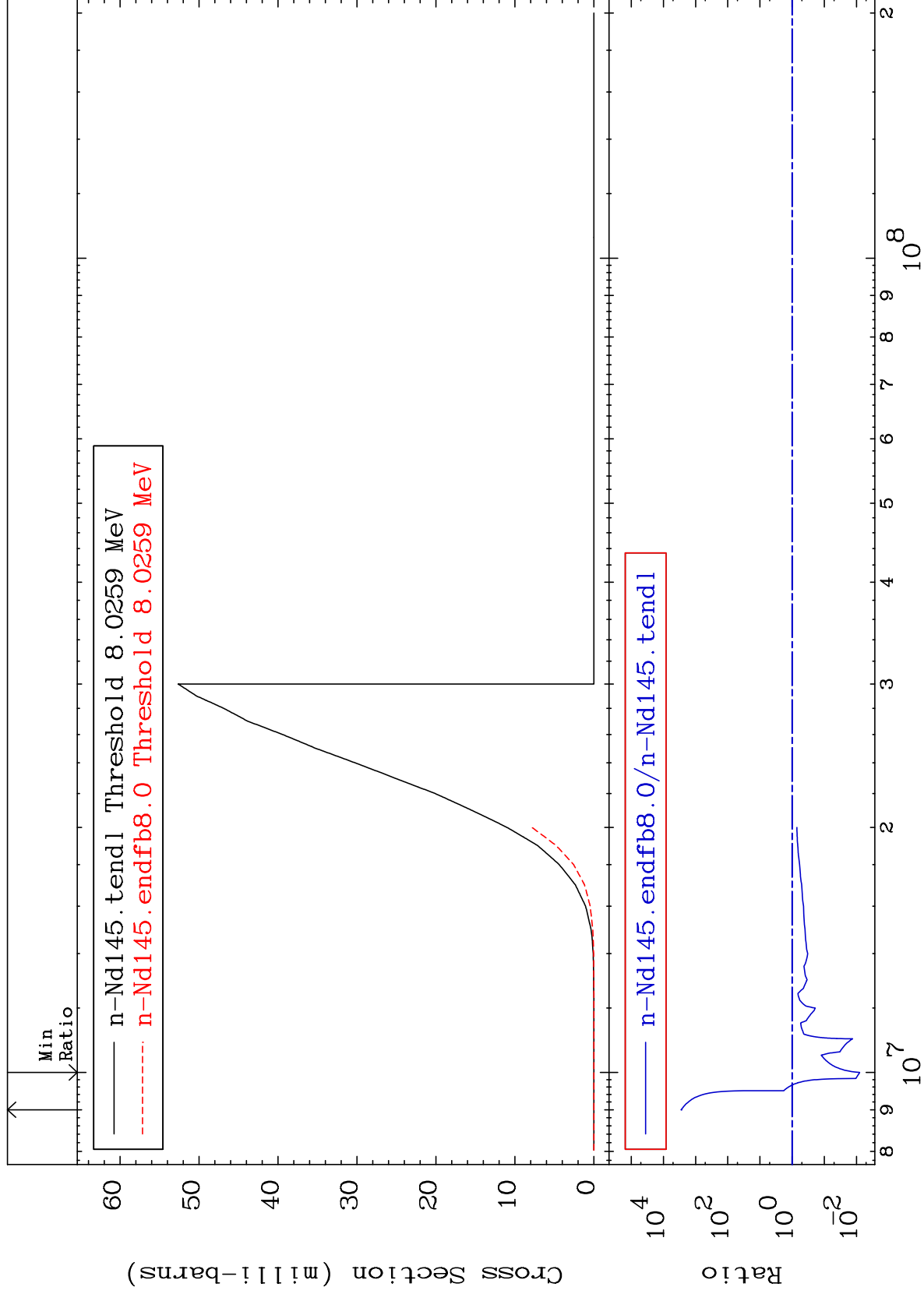
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,n') p
Cross Section

60-Nd-145
-99.20 To 9999. %



8

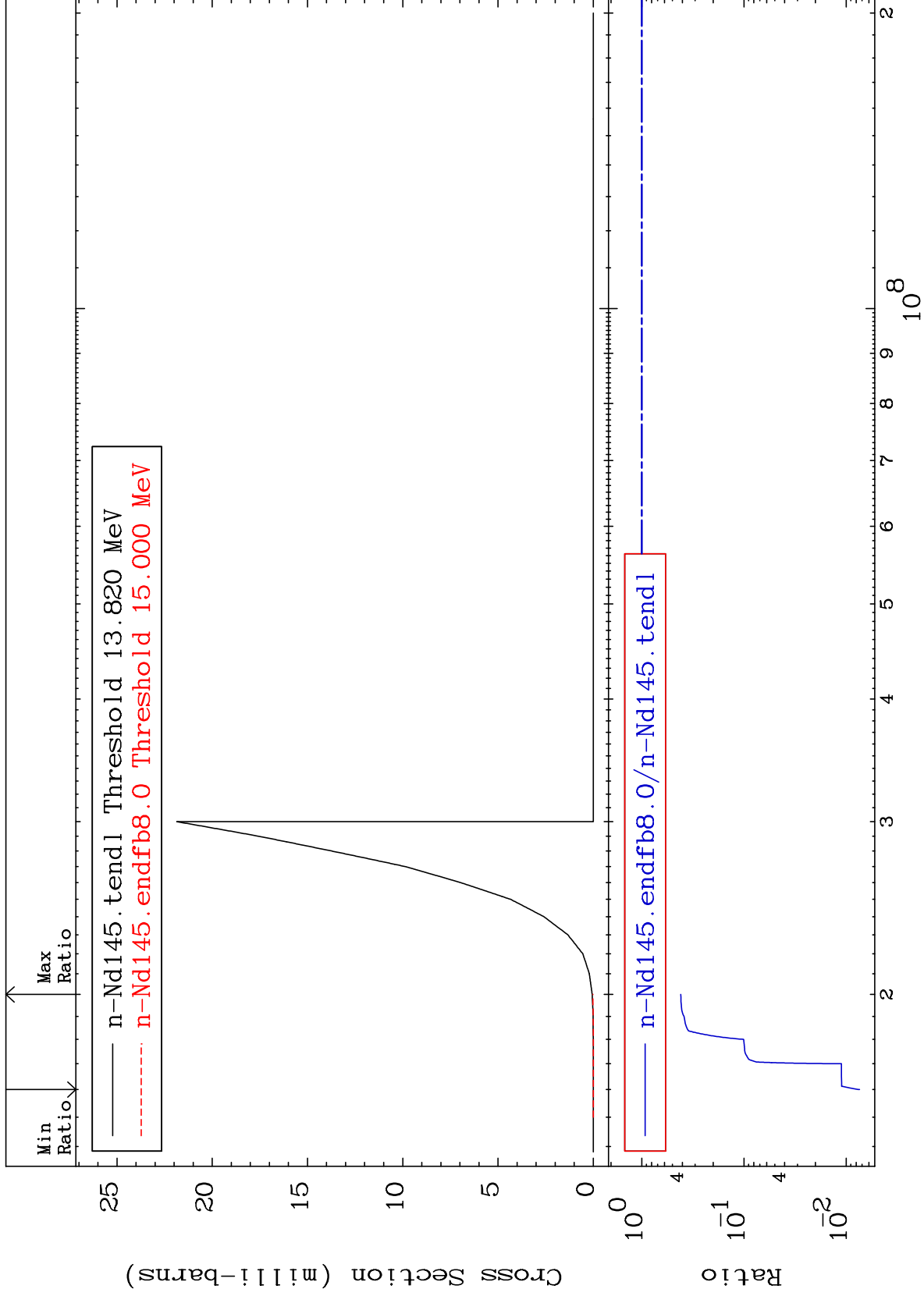
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,2n) p
Cross Section

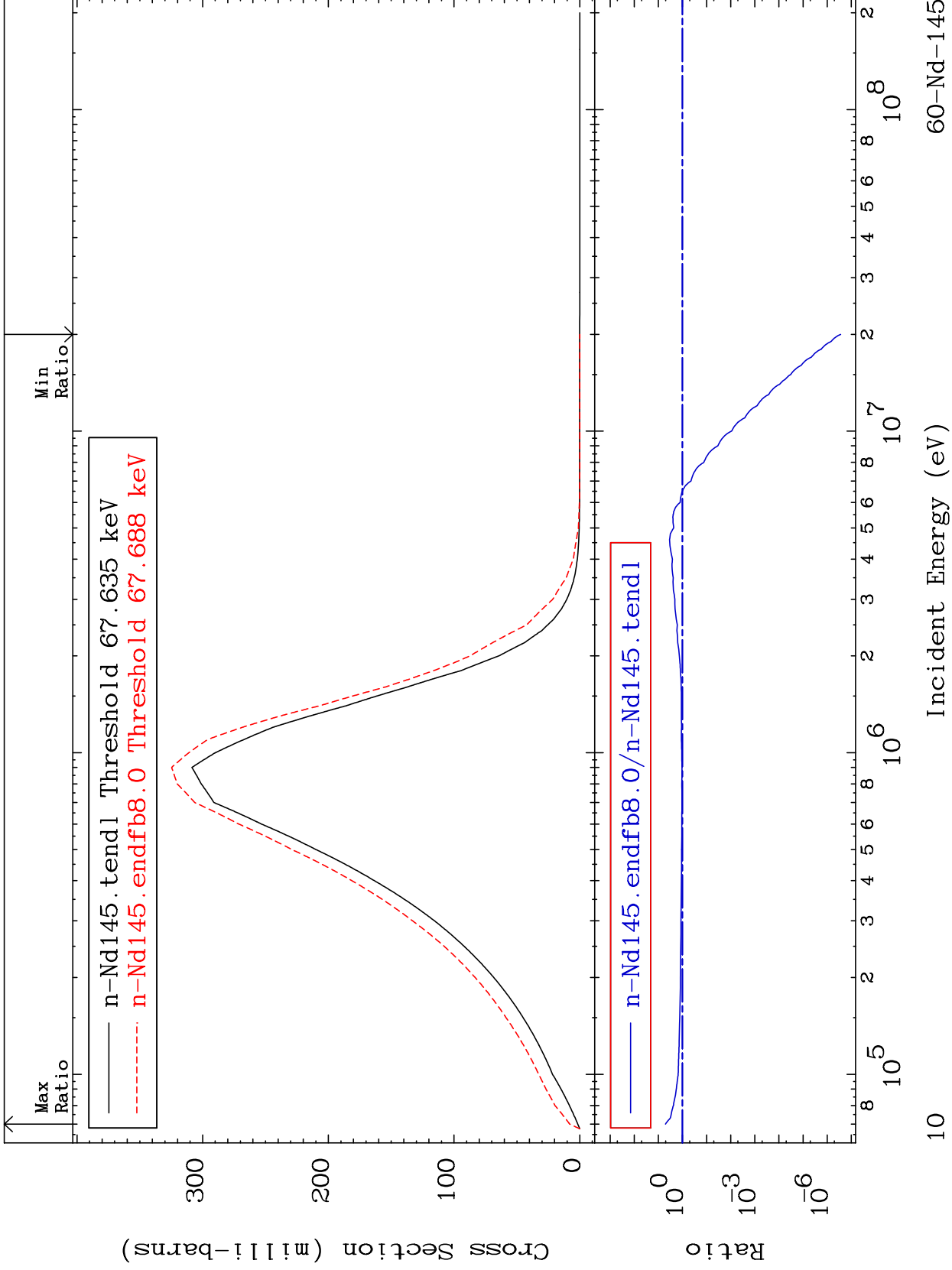
60-Nd-145
-99.26 To -58.50%



MAT 6034

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

60-Nd-145
-100.0 To 406.3 %

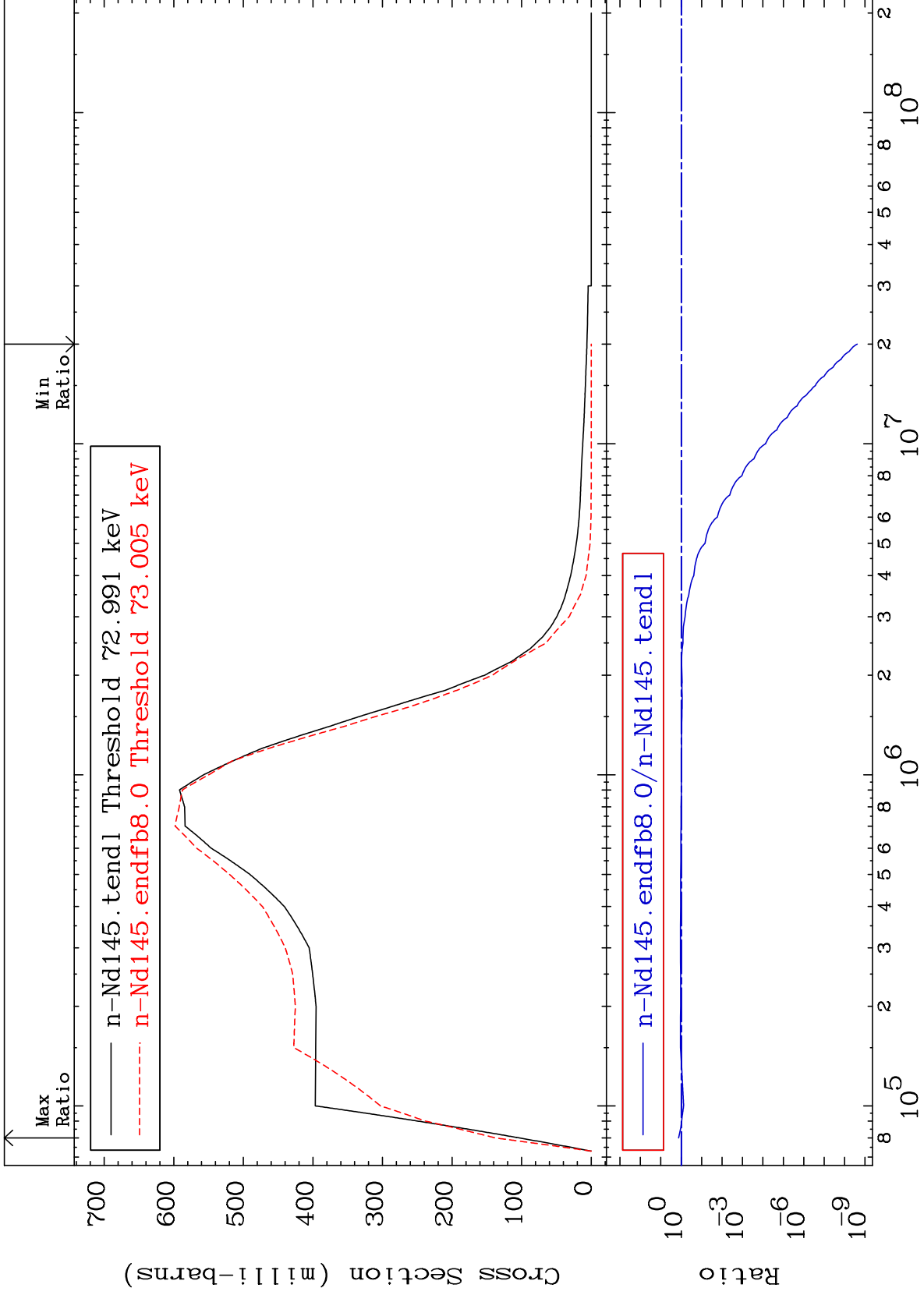


60-Nd-145

MAT 6034

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

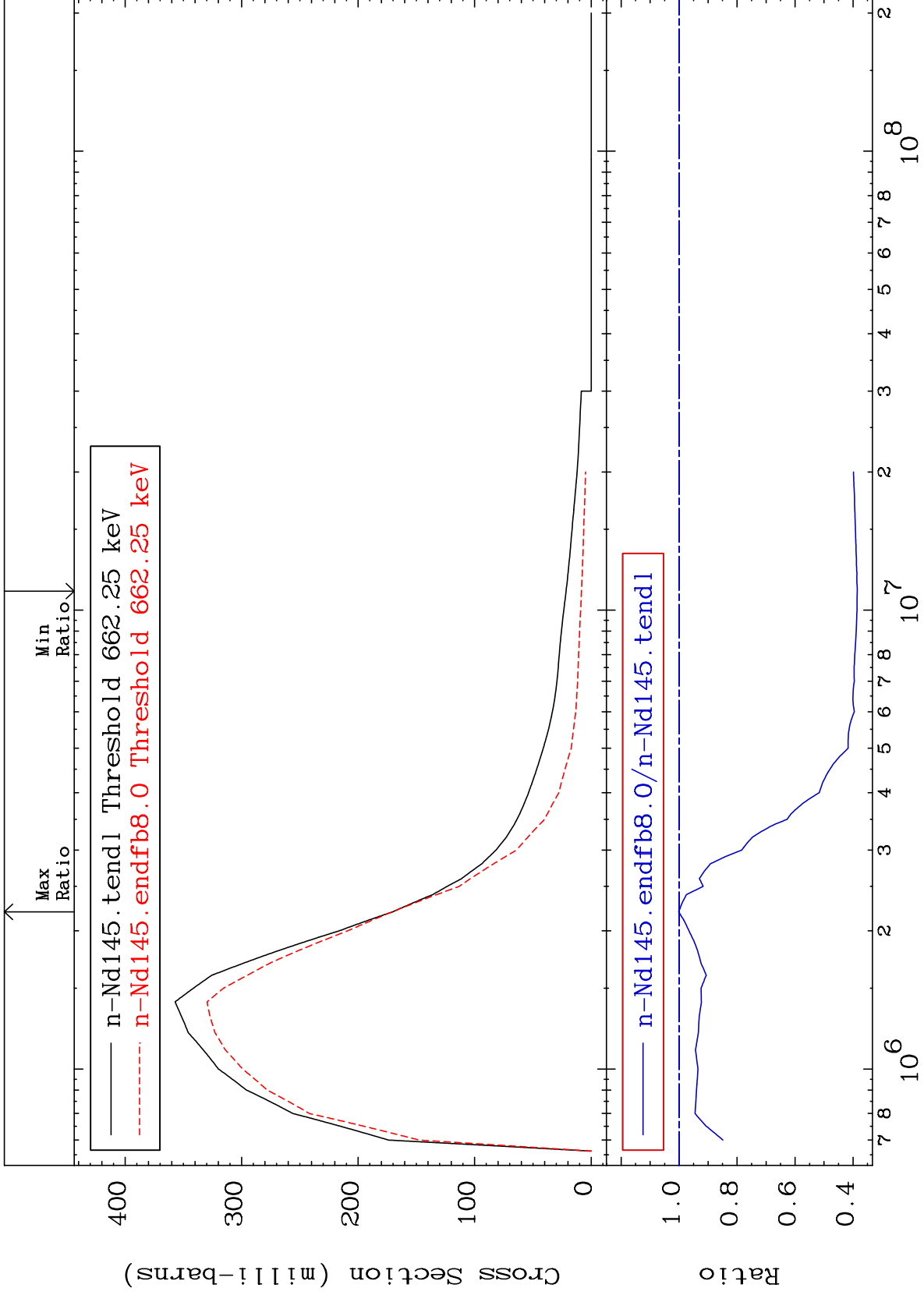
60-Nd-145
-100.0 To 33.80 %



MAT 6034

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

60-Nd-145
-61.45 To 0.157 %



12

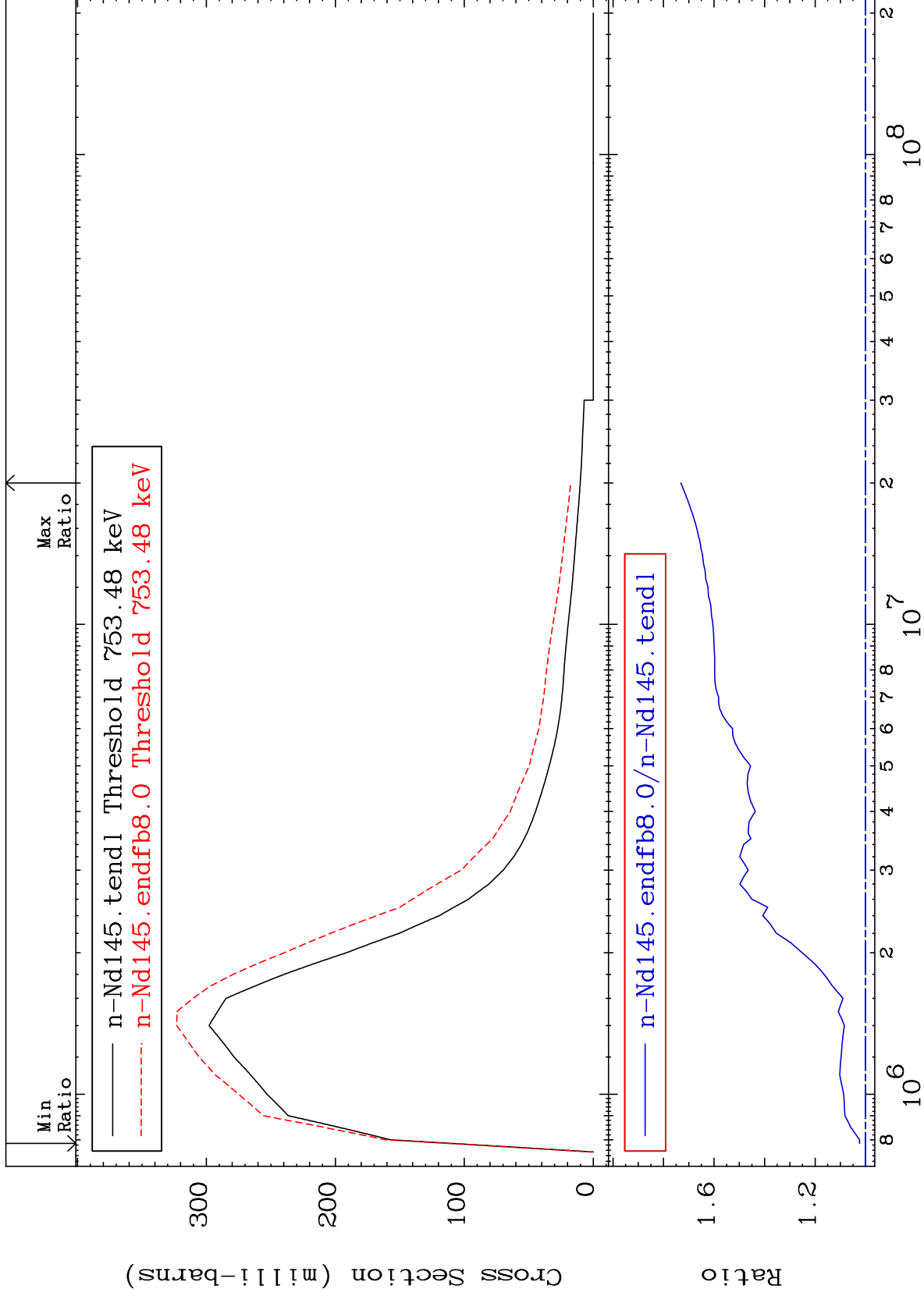
Incident Energy (eV)

60-Nd-145

MAT 6034

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

60-Nd-145
2.413 To 73.17 %



13

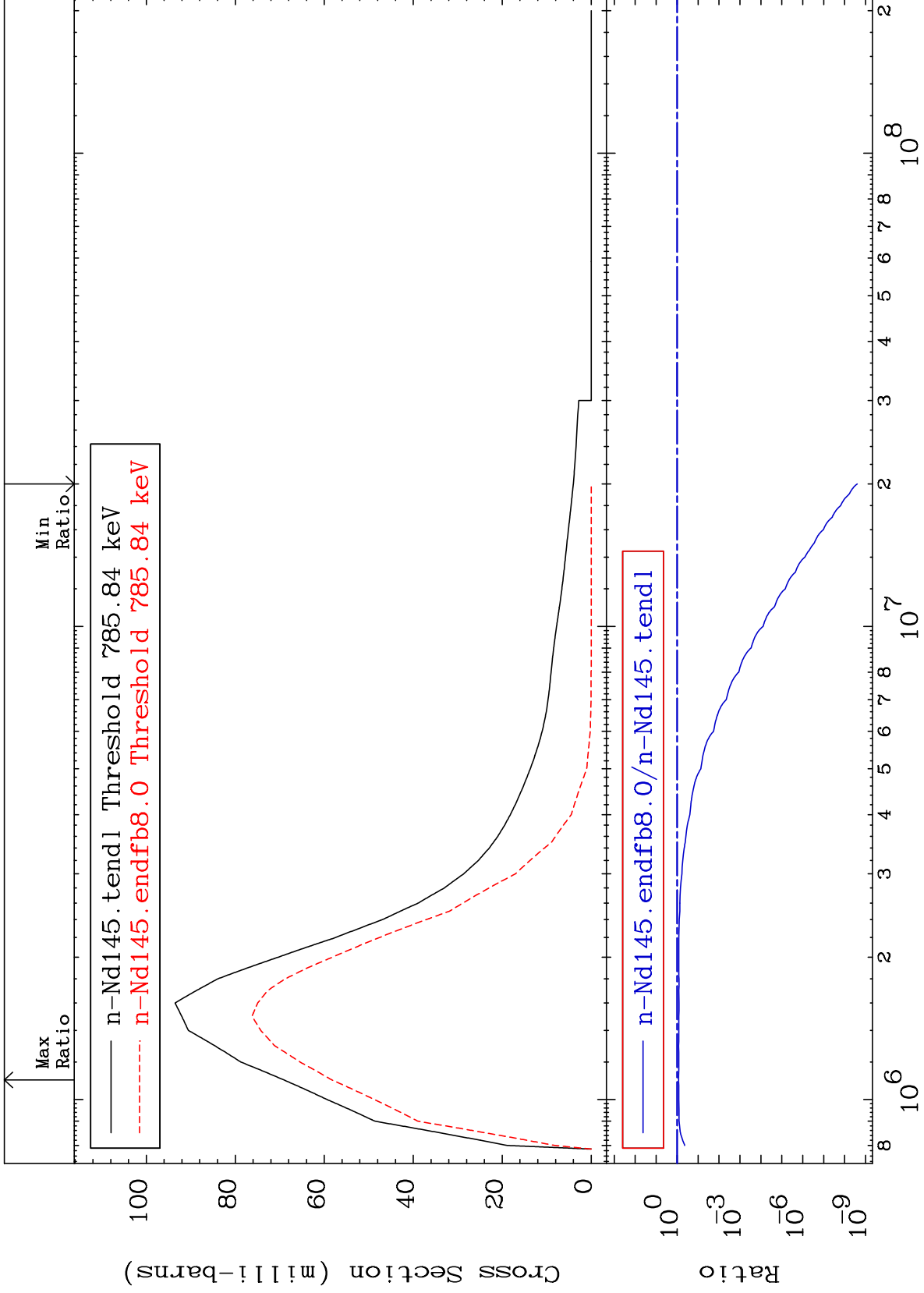
Incident Energy (eV)

60-Nd-145

MAT 6034

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

60-Nd-145
-100.0 To -15.60%



14

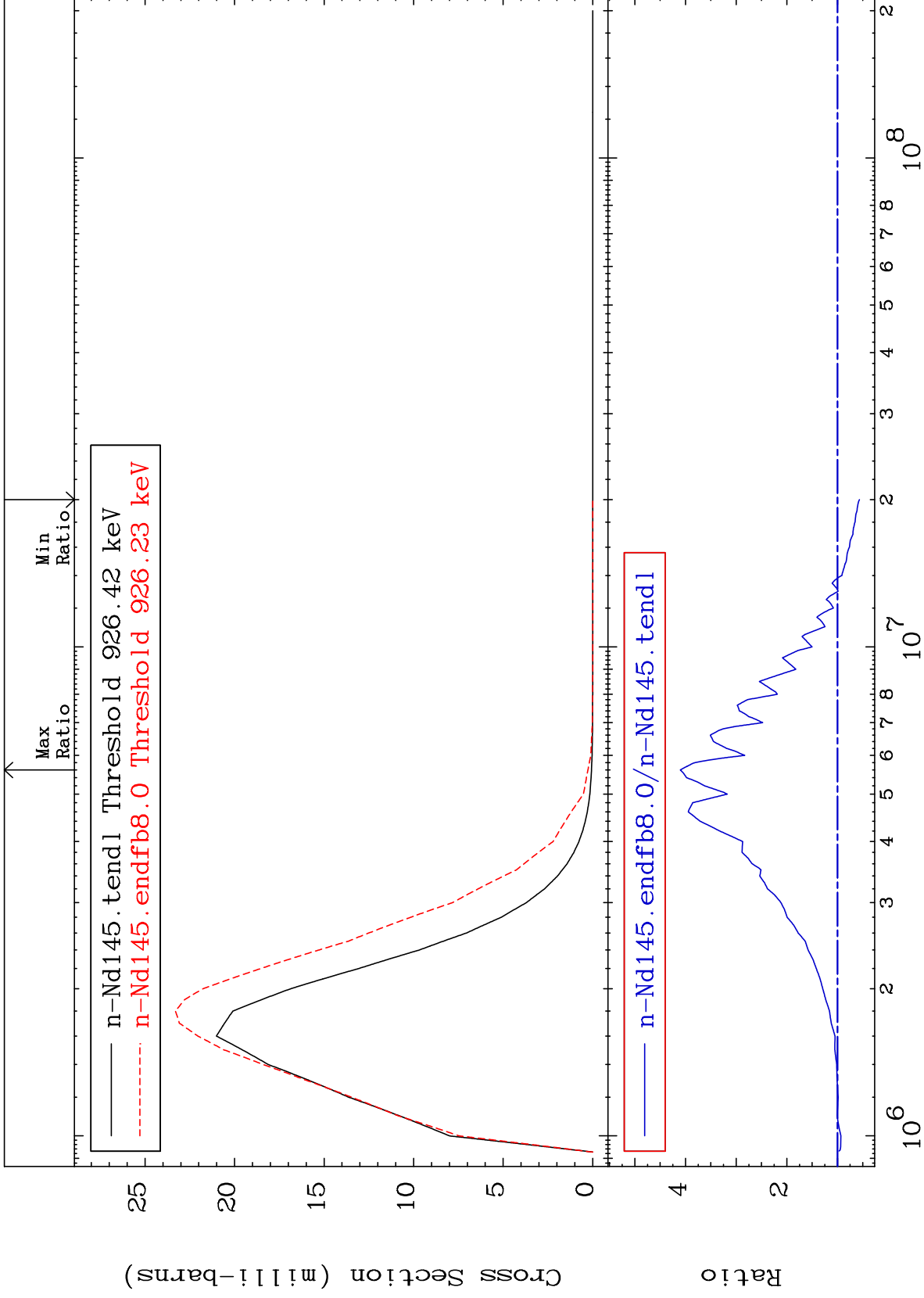
Incident Energy (eV)

60-Nd-145

MAT 6034

MT= 56 (n,n') Level
Cross Section

60-Nd-145
-43.34 To 310.1 %



15

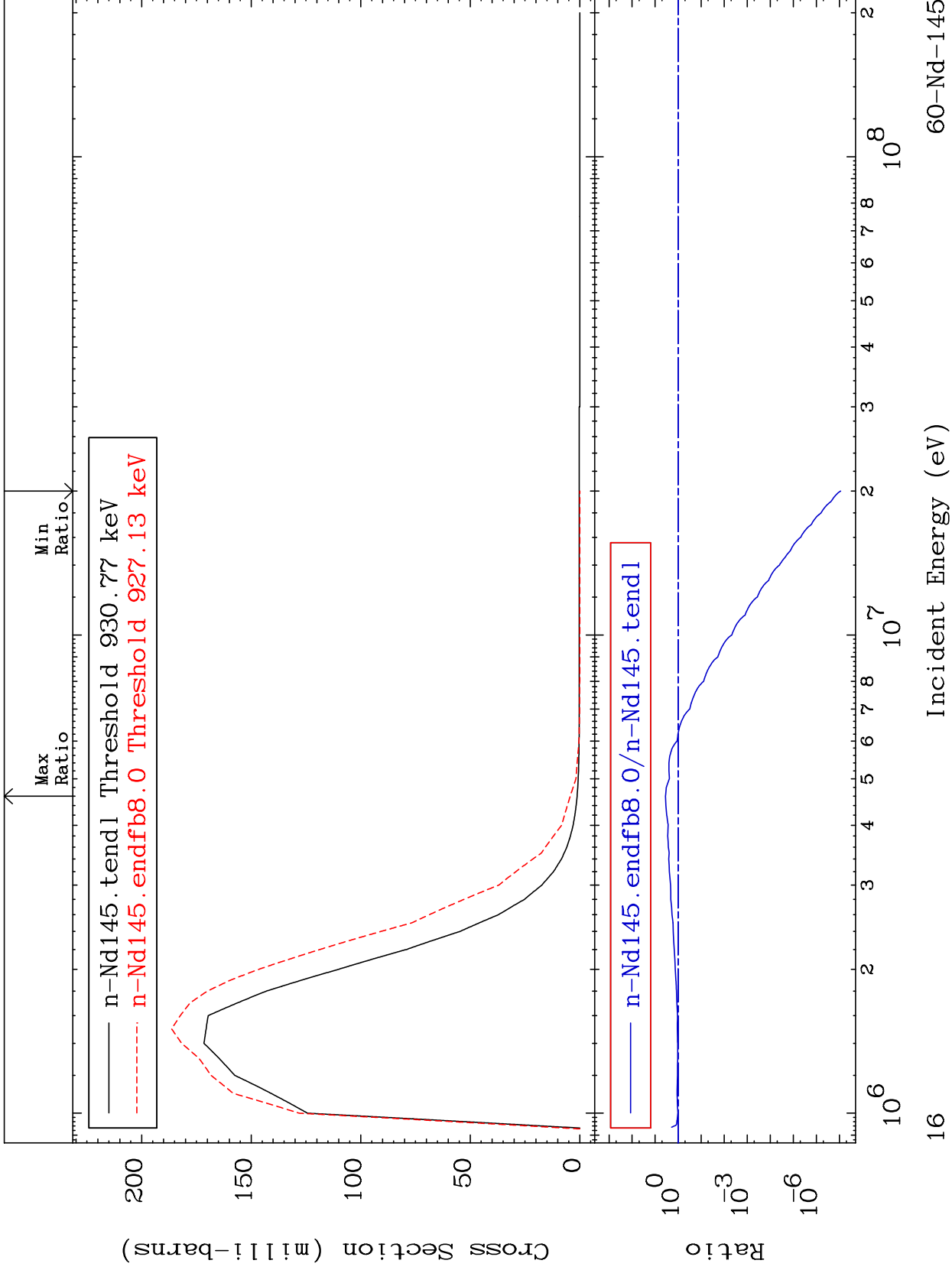
Incident Energy (eV)

60-Nd-145

MAT 6034

MT= 57 (n,n') Level
Cross Section

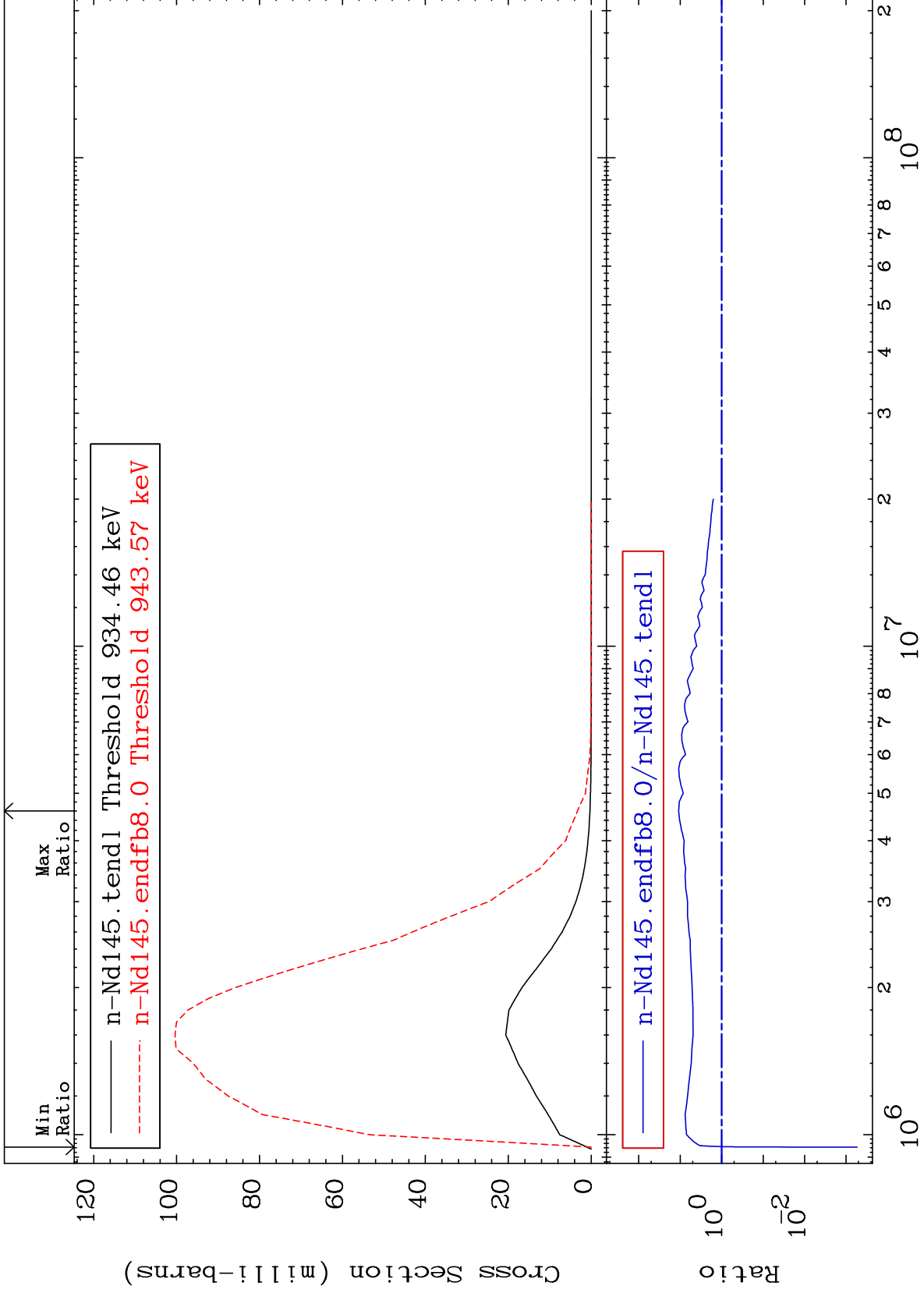
60-Nd-145
-100.0 To 255.3 %



MAT 6034

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

60-Nd-145
-99.95 To 990.6 %



17

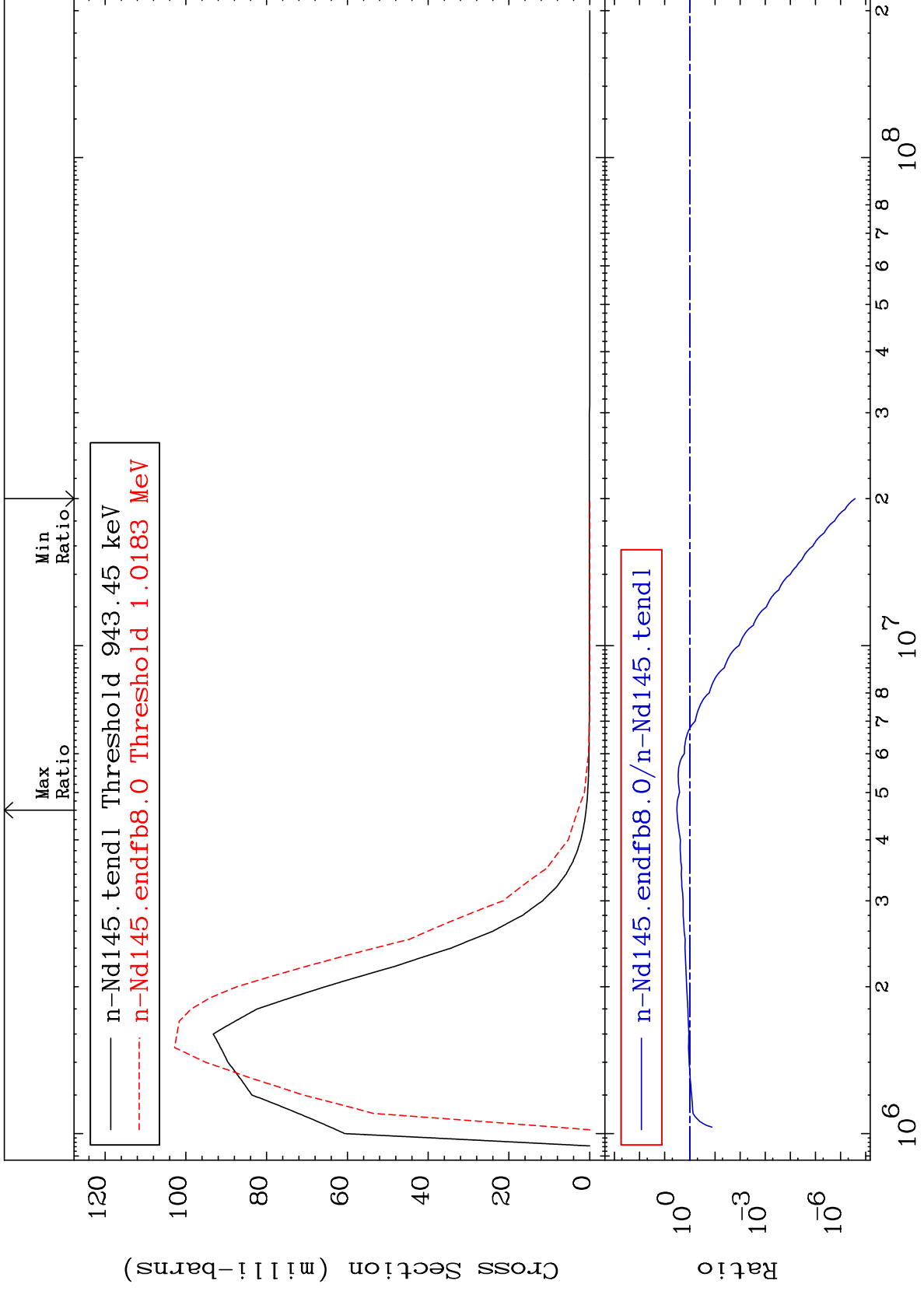
Incident Energy (eV)

60-Nd-145

MAT 6034

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

60-Nd-145
-100.0 To 225.7 %



18

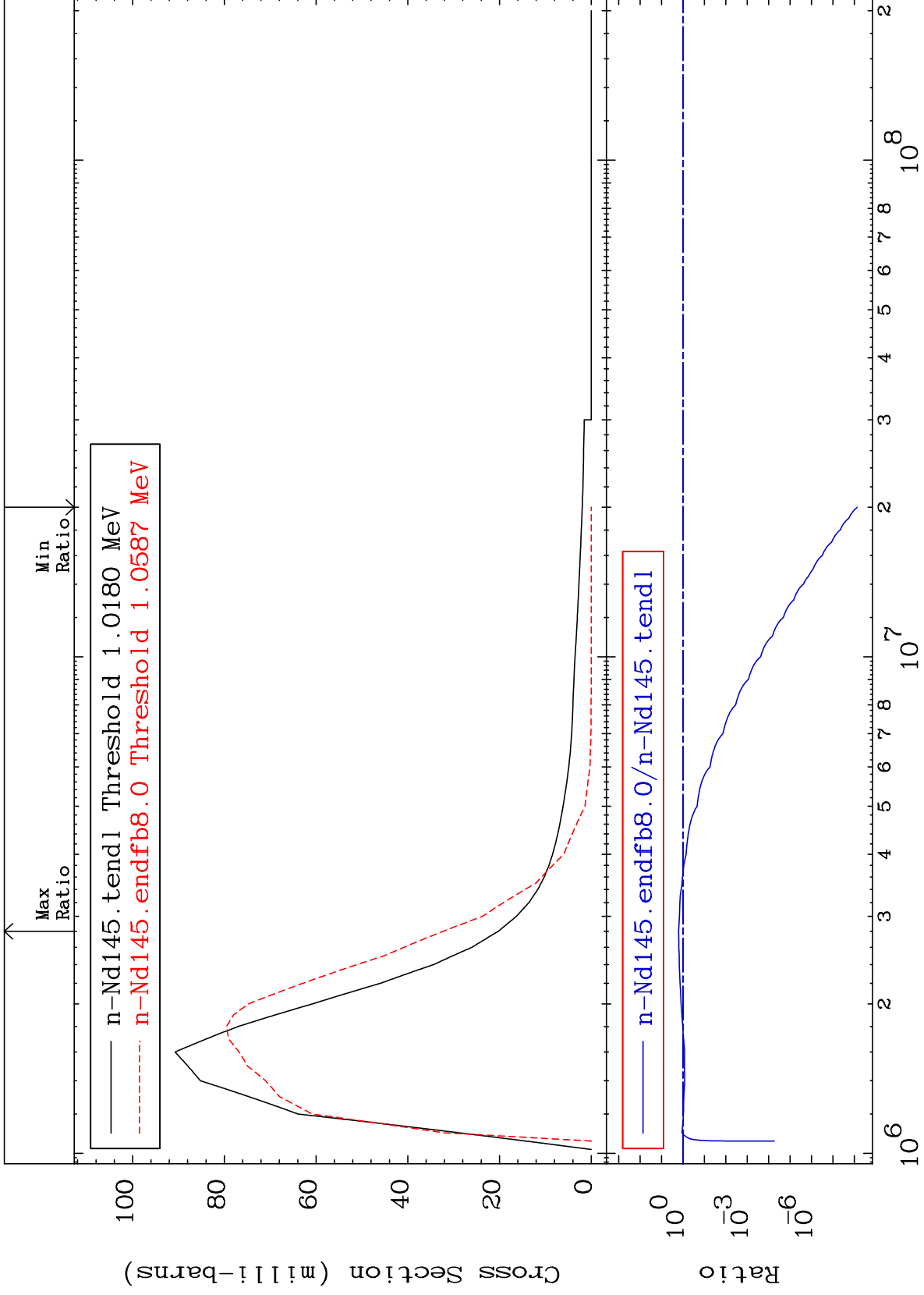
Incident Energy (eV)

60-Nd-145

MAT 6034

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

60-Nd-145
-100.0 To 59.42 %



19

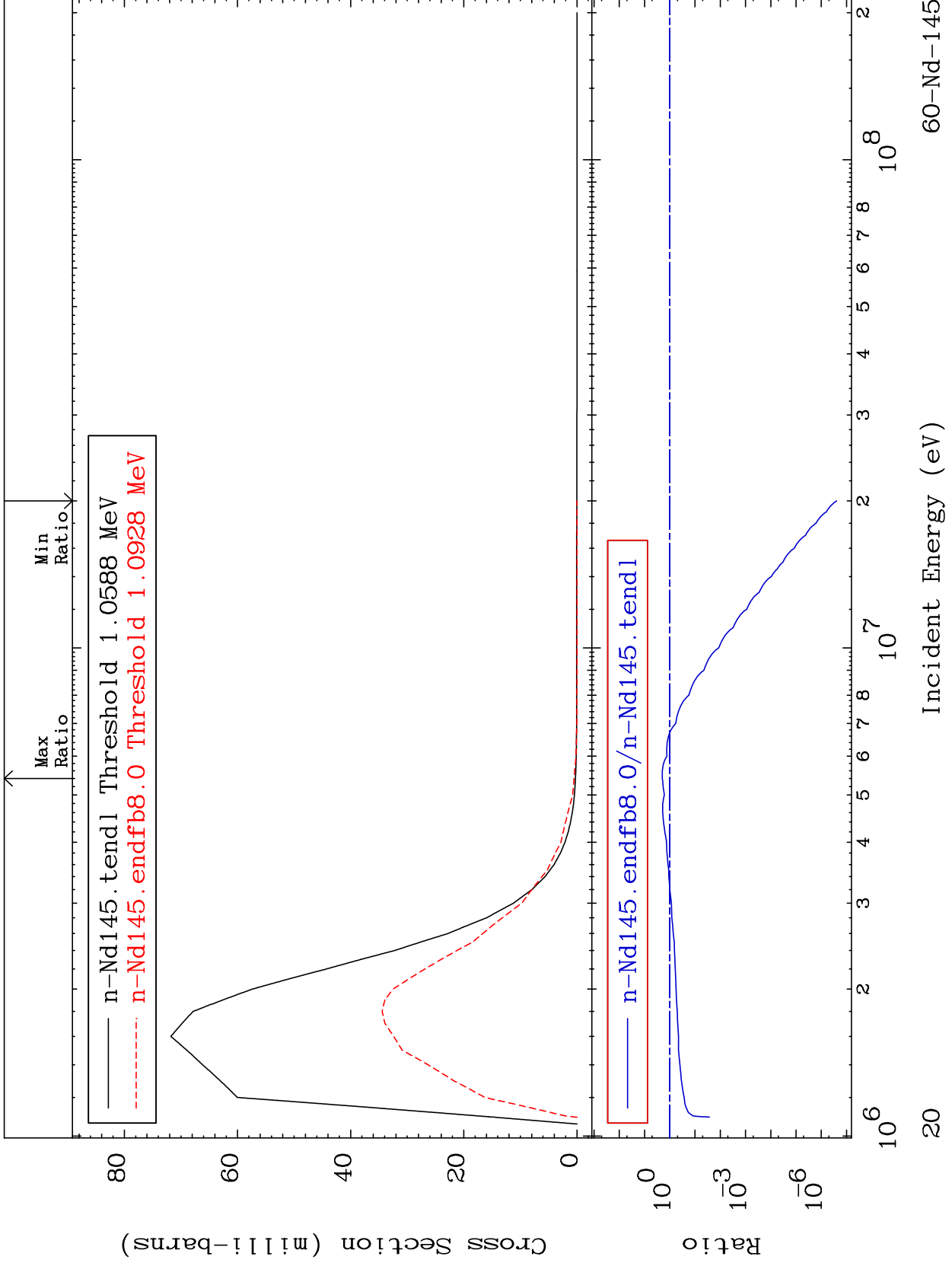
Incident Energy (eV)

60-Nd-145

MAT 6034

MT= 61 (n,n') Level
Cross Section

60-Nd-145
-100.0 To 97.93 %



60-Nd-145

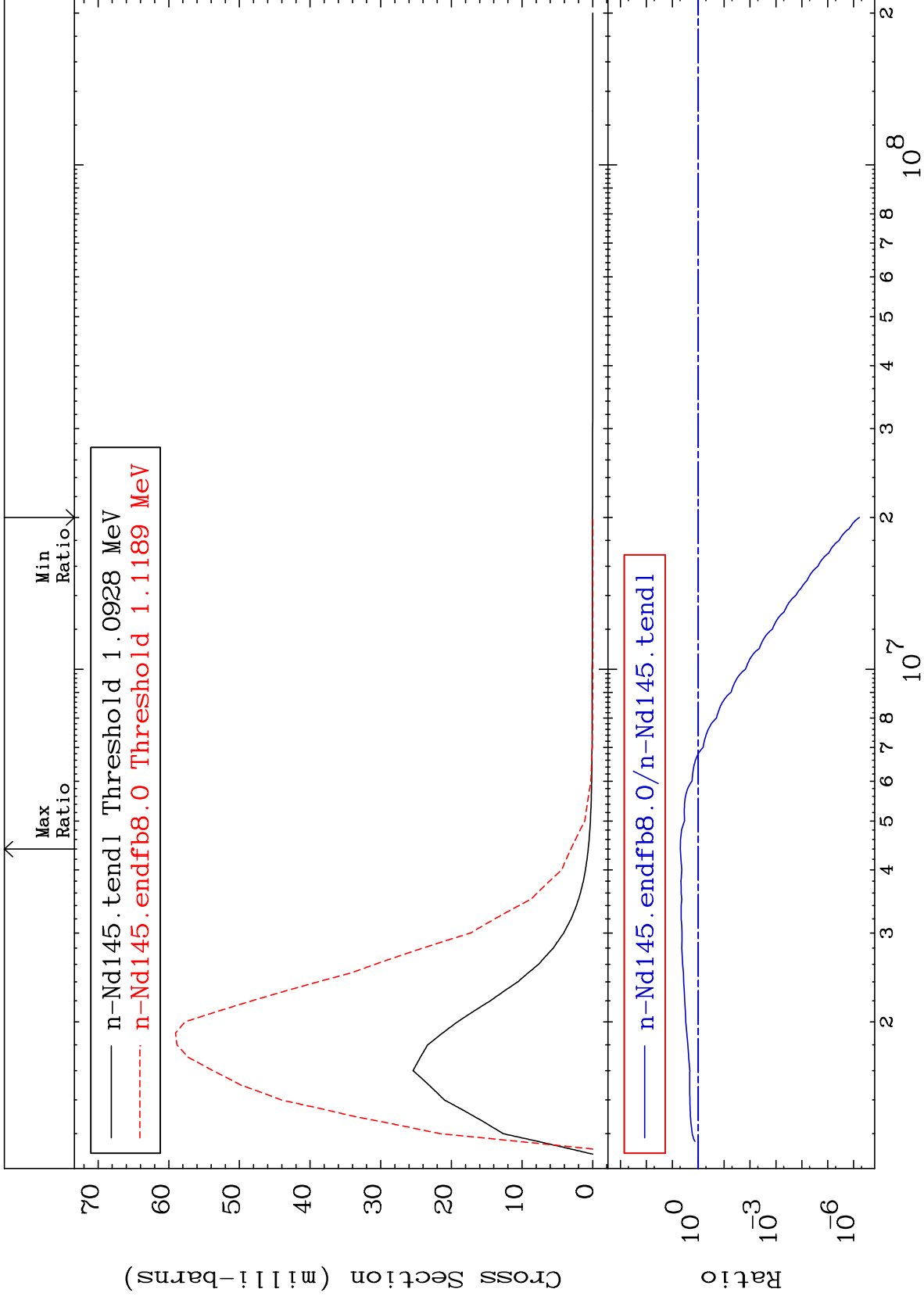
Incident Energy (eV)

20

MAT 6034

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

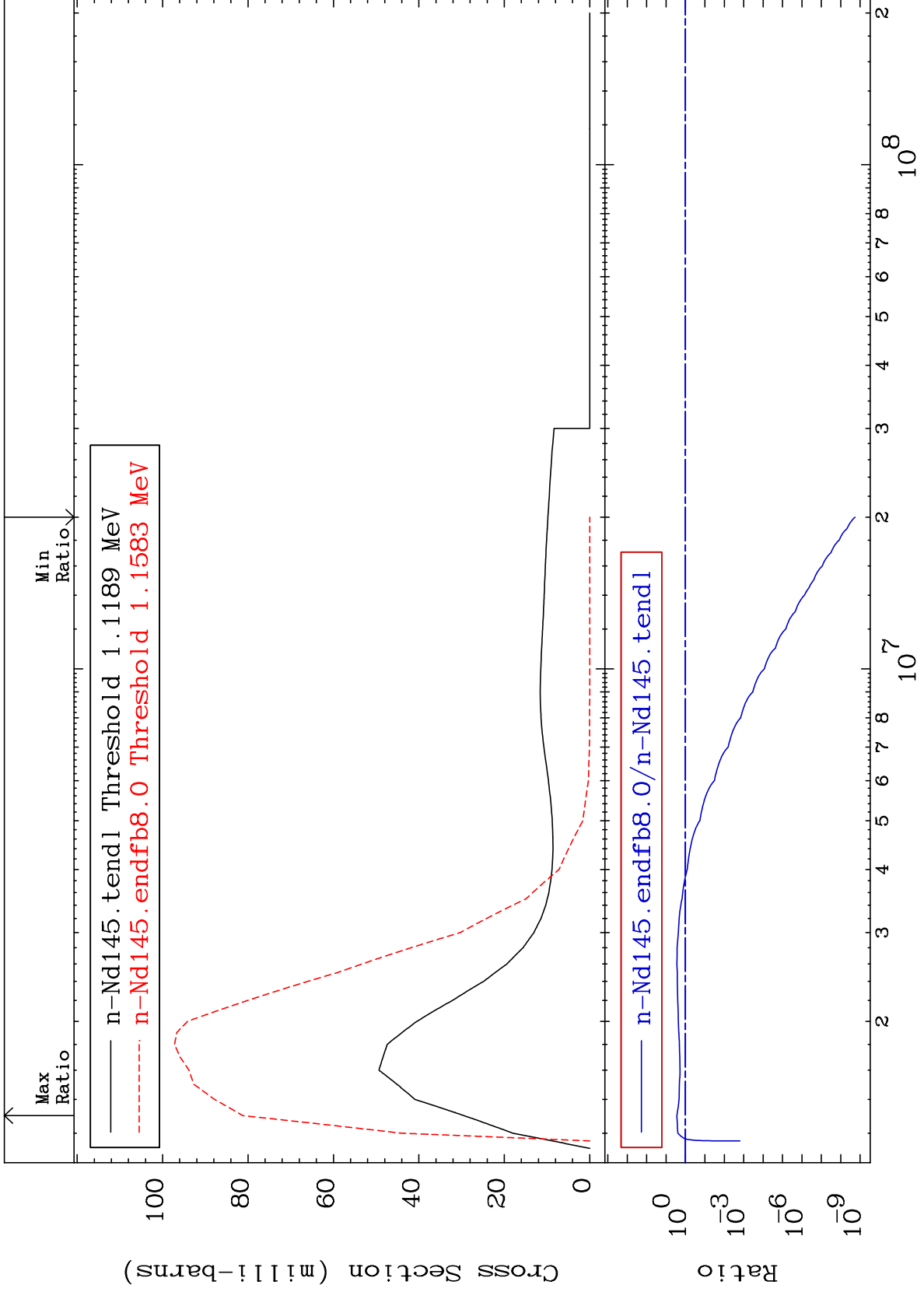
60-Nd-145
-100.0 To 389.9 %



MAT 6034

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

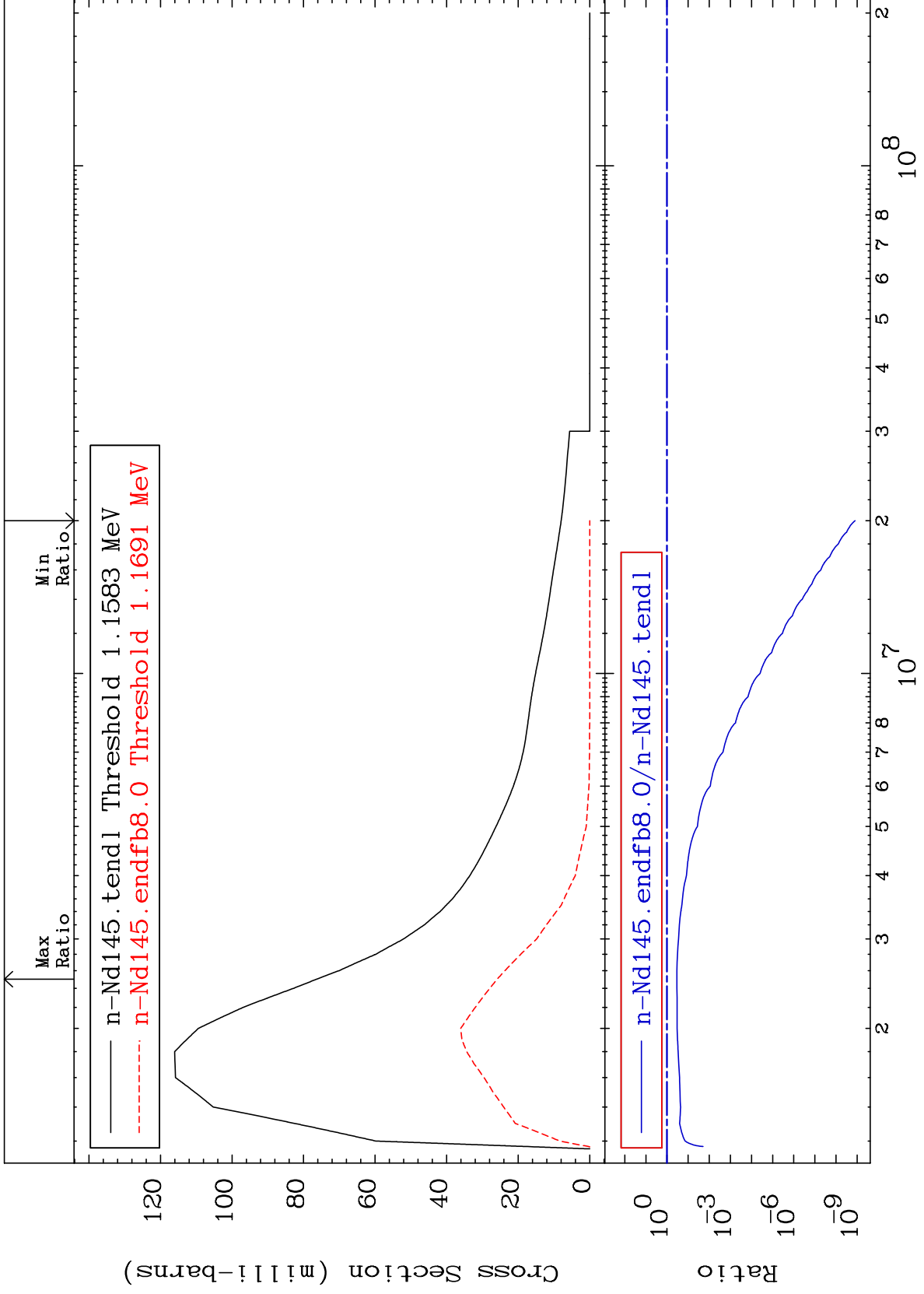
60-Nd-145
-100.0 To 175.8 %



MAT 6034

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

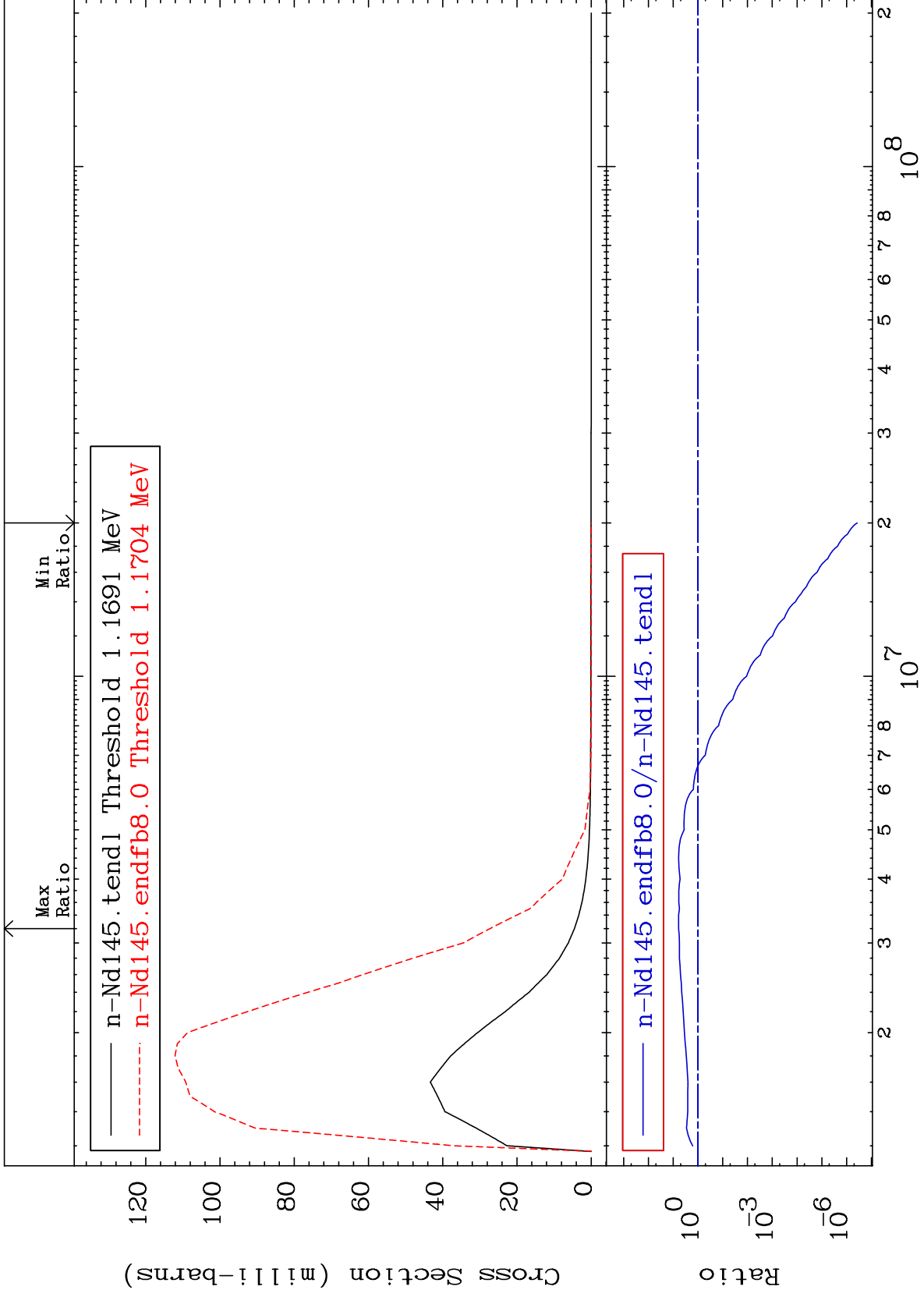
60-Nd-145
-100.0 To -66.09%



MAT 6034

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

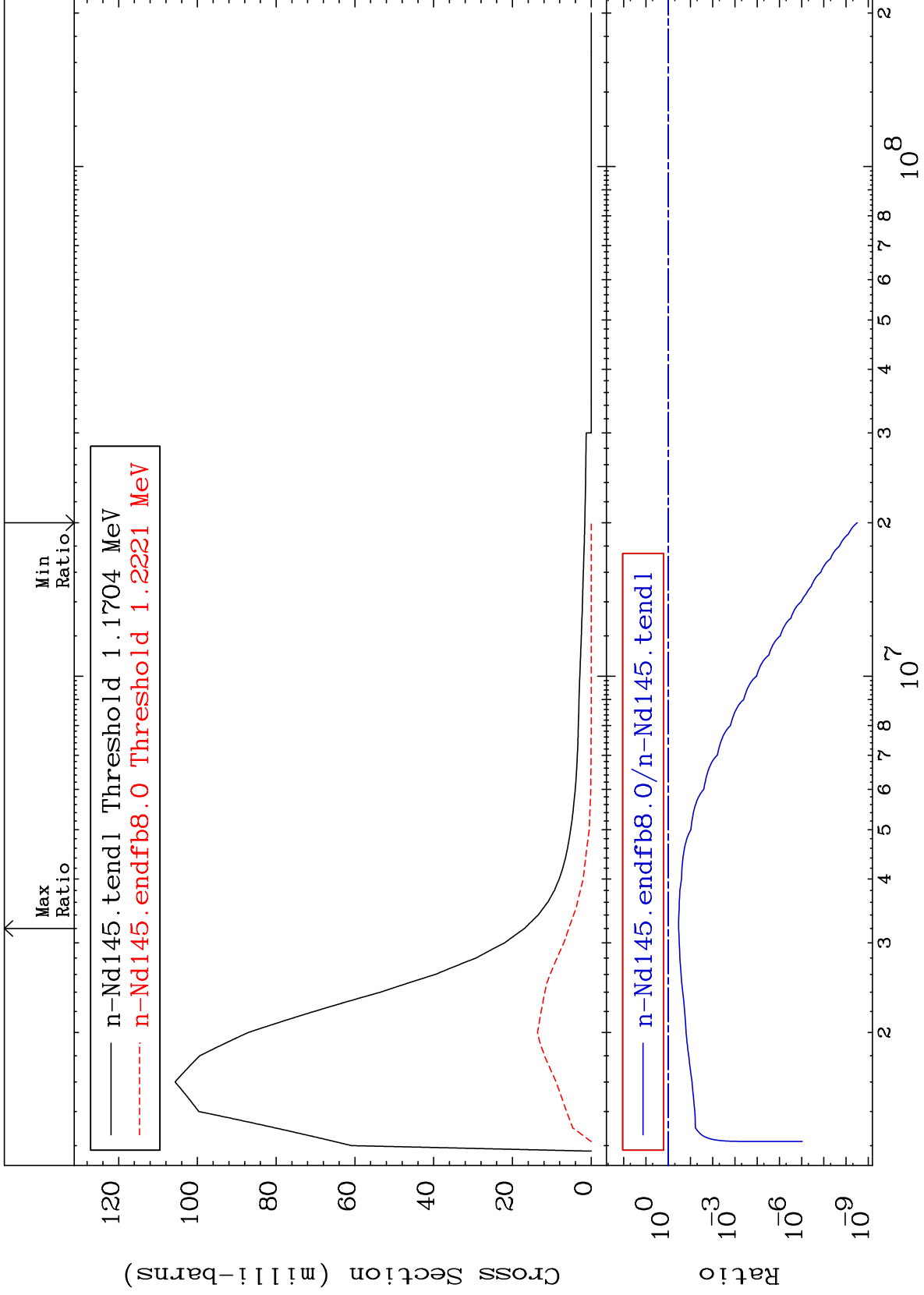
60-Nd-145
-100.0 To 504.4 %



MAT 6034

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

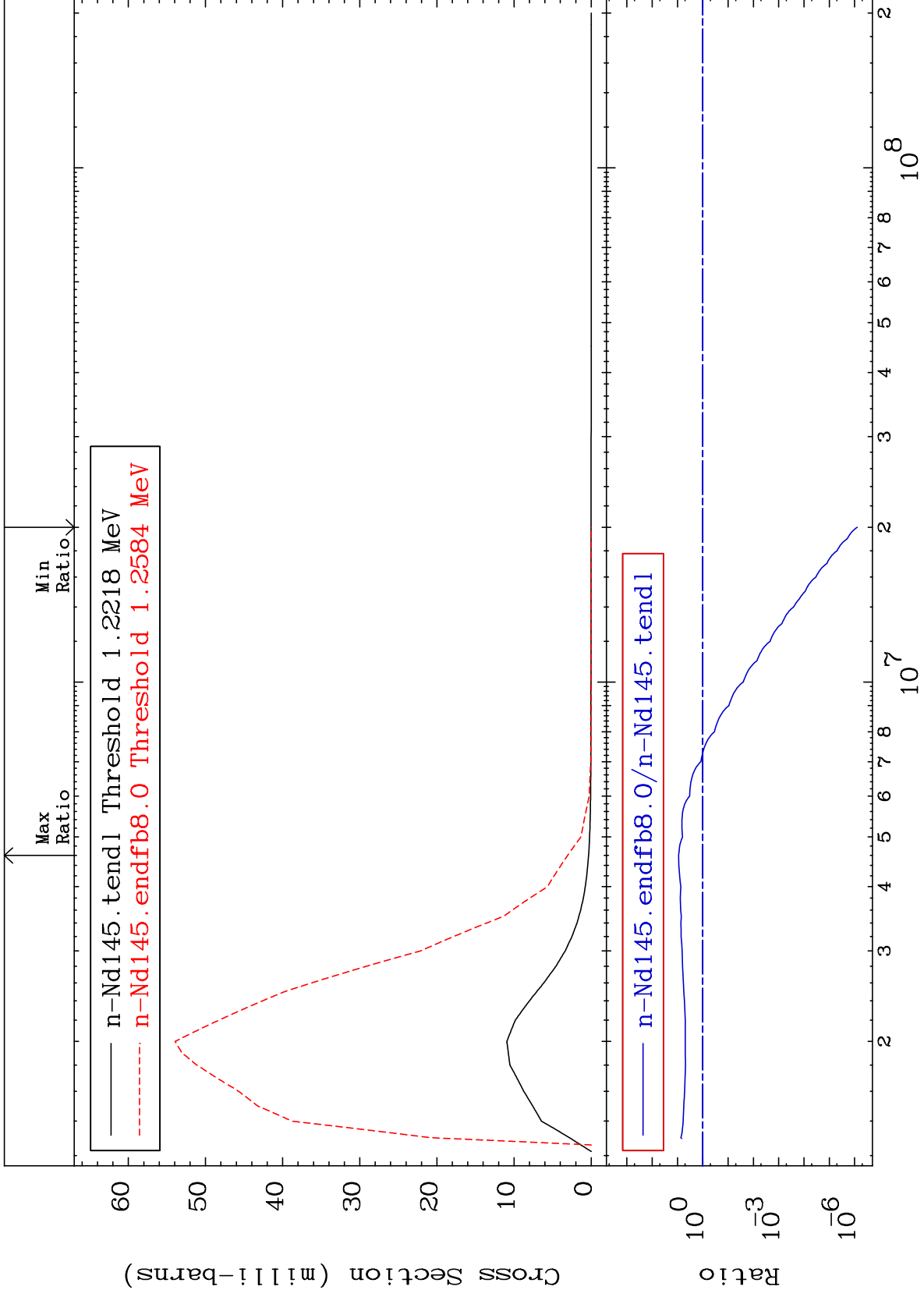
60-Nd-145
-100.0 To -66.31%



MAT 6034

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

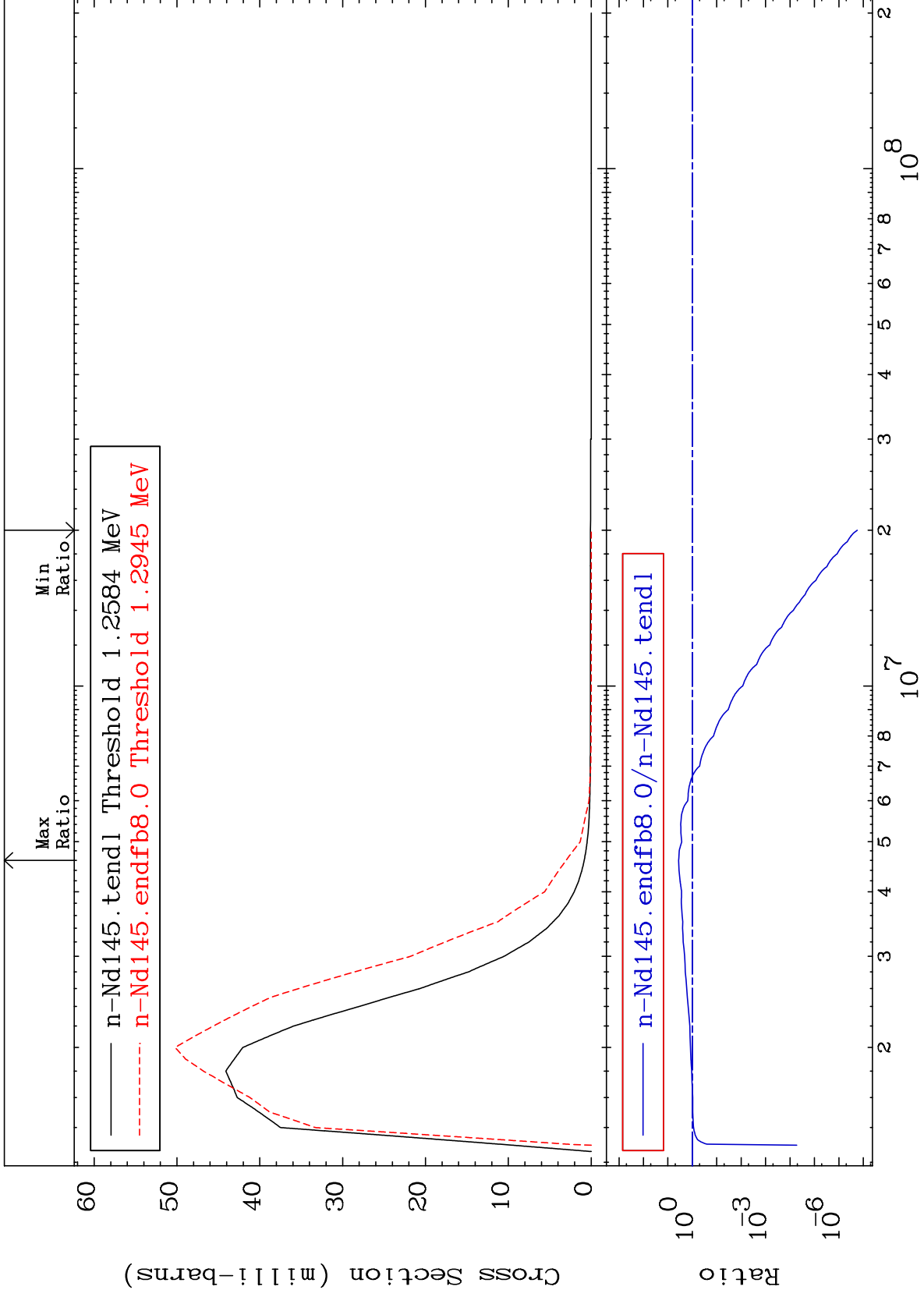
60-Nd-145
-100.0 To 802.0 %



MAT 6034

MT= 68 (n,n') Level
Cross Section

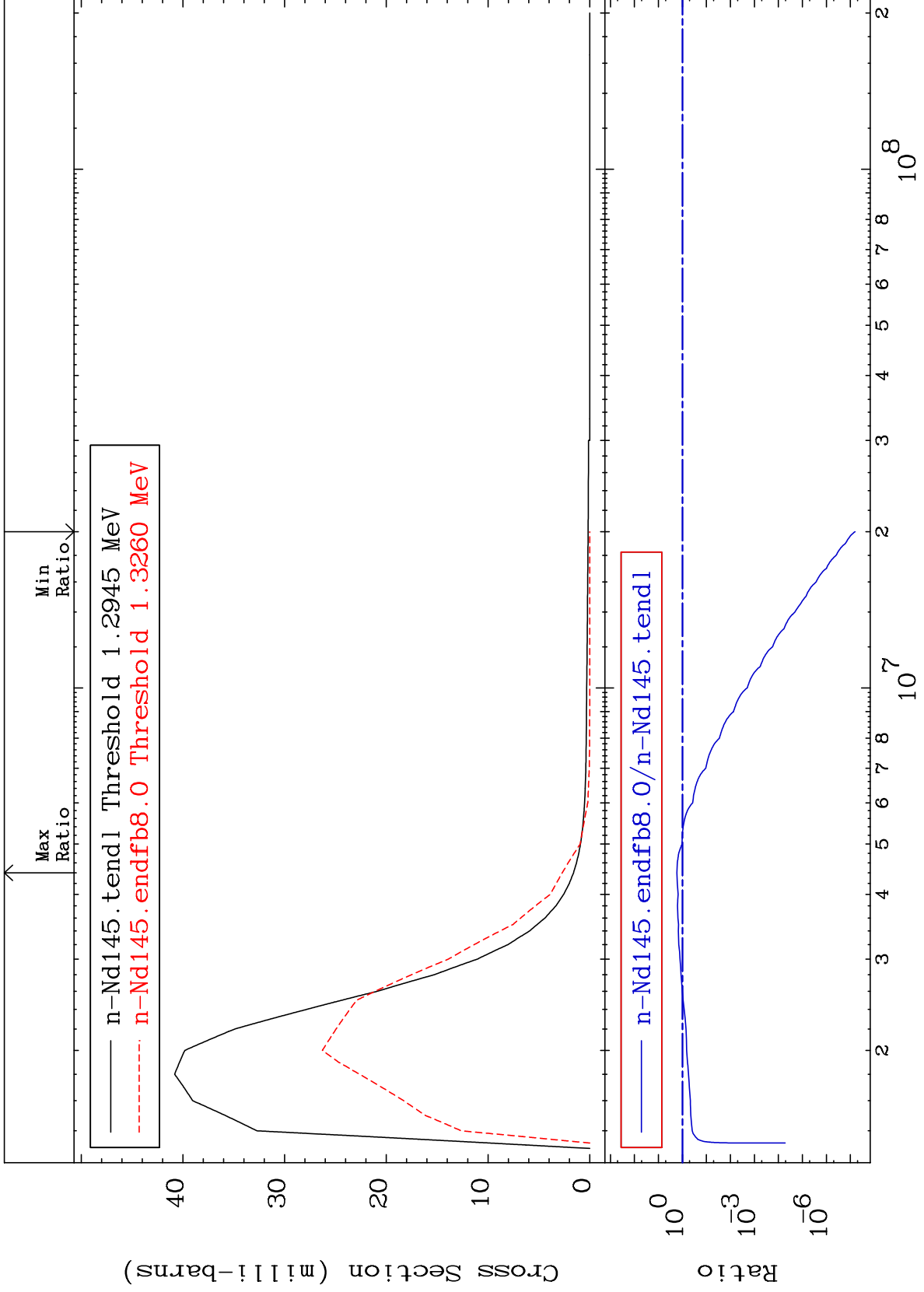
60-Nd-145
-100.0 To 262.2 %



MAT 6034

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

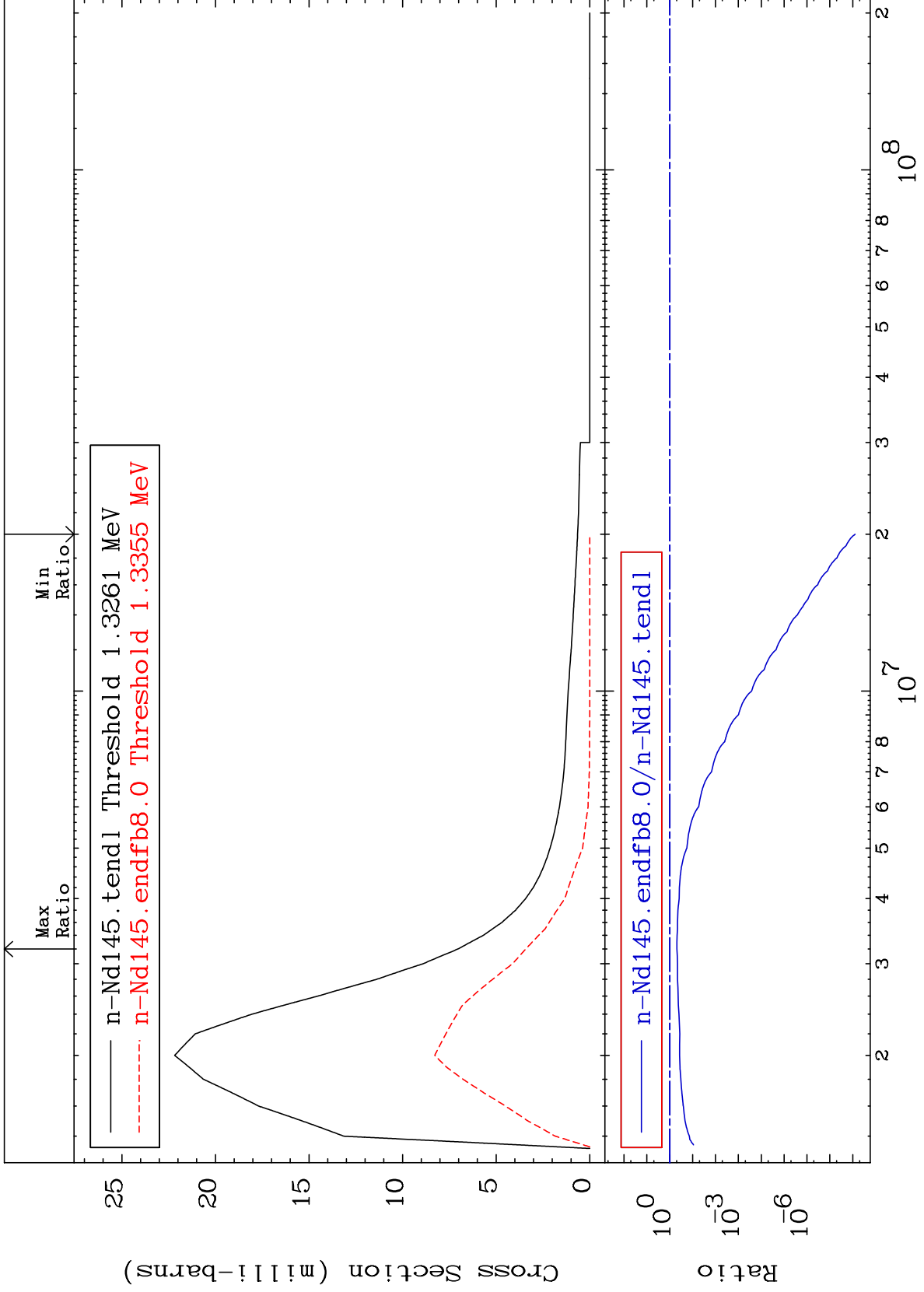
60-Nd-145
-100.0 To 69.10 %



MAT 6034

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

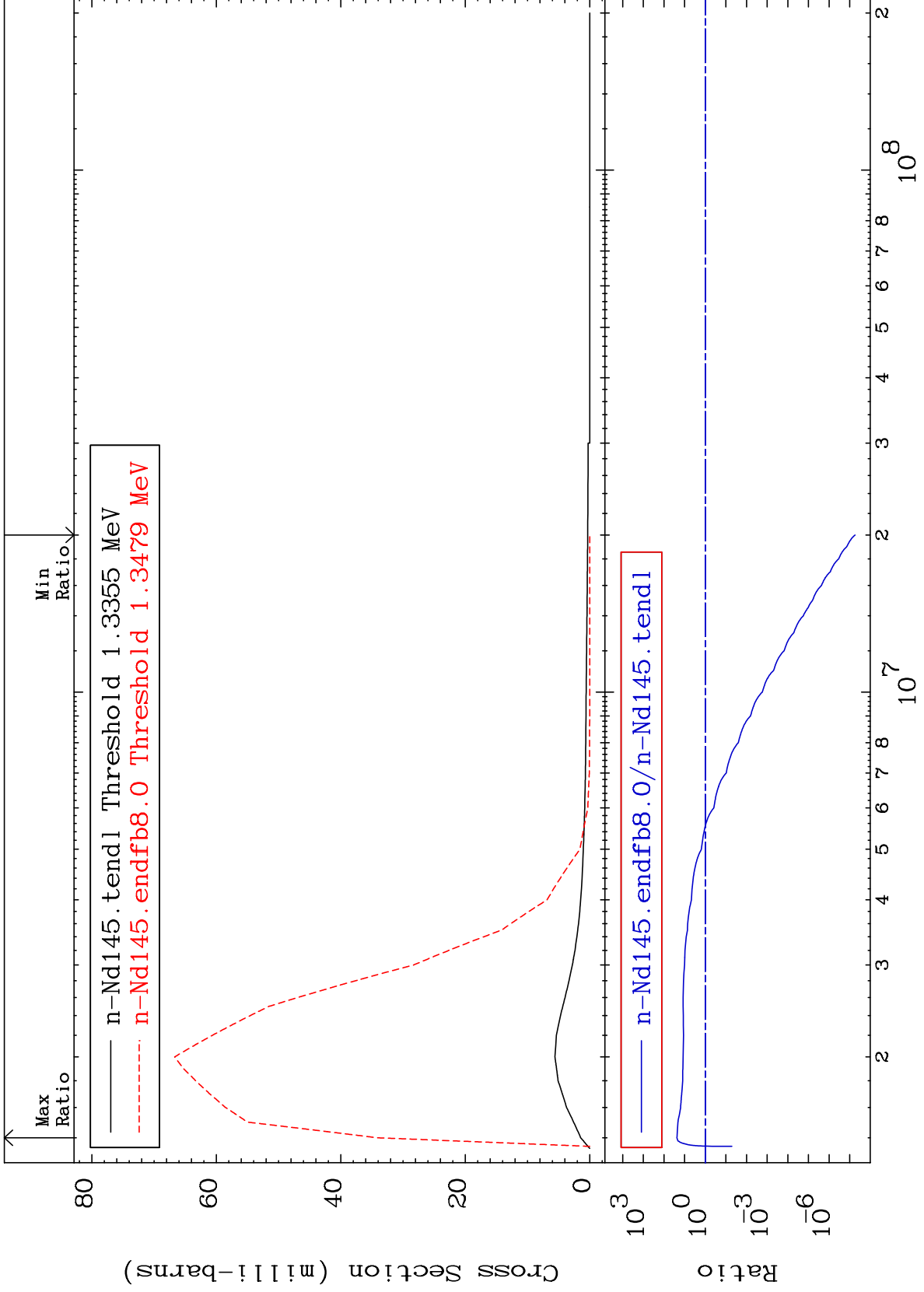
60-Nd-145
-100.0 To -51.47%



MAT 6034

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

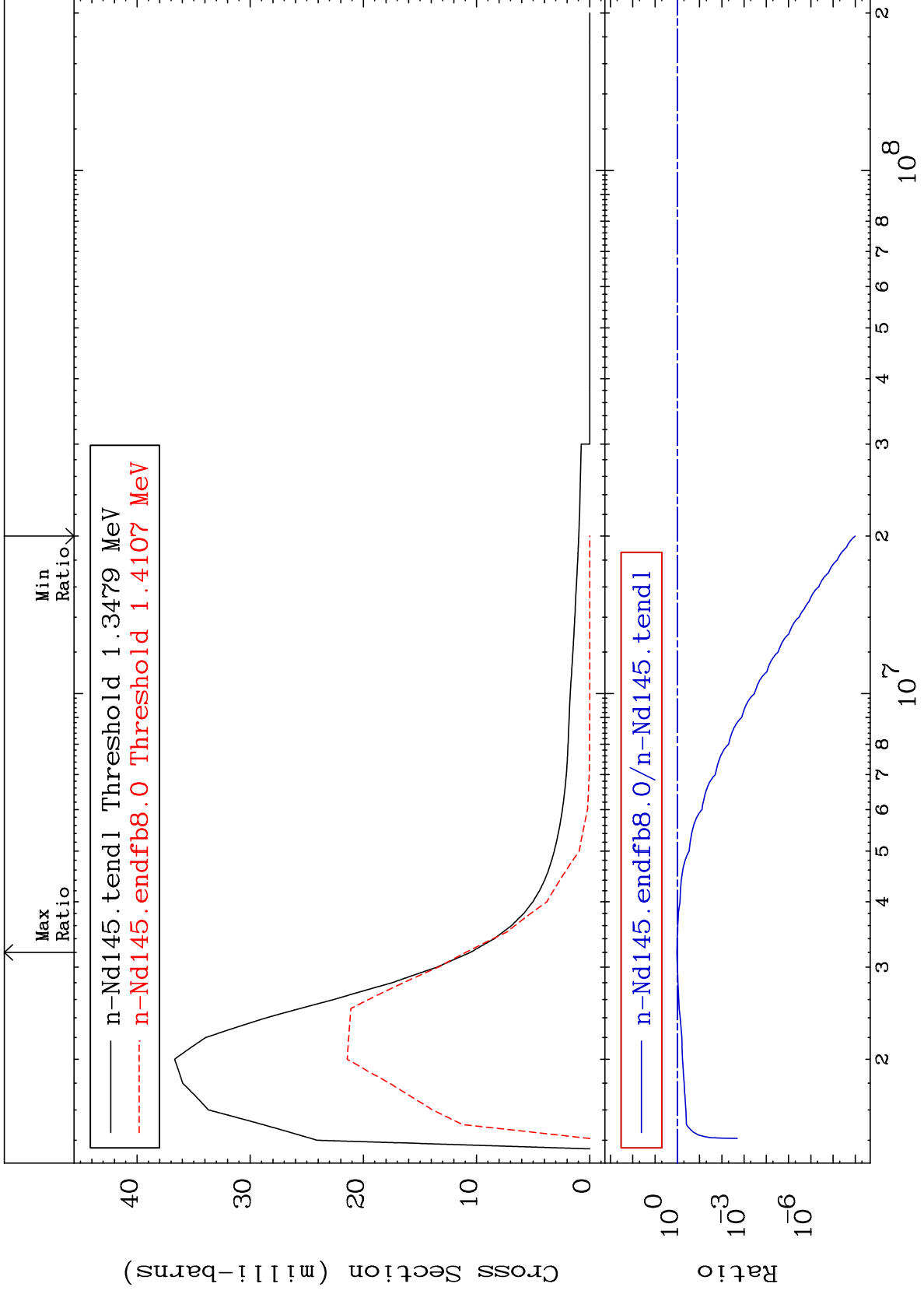
60-Nd-145
-100.0 To 2261. %



MAT 6034

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

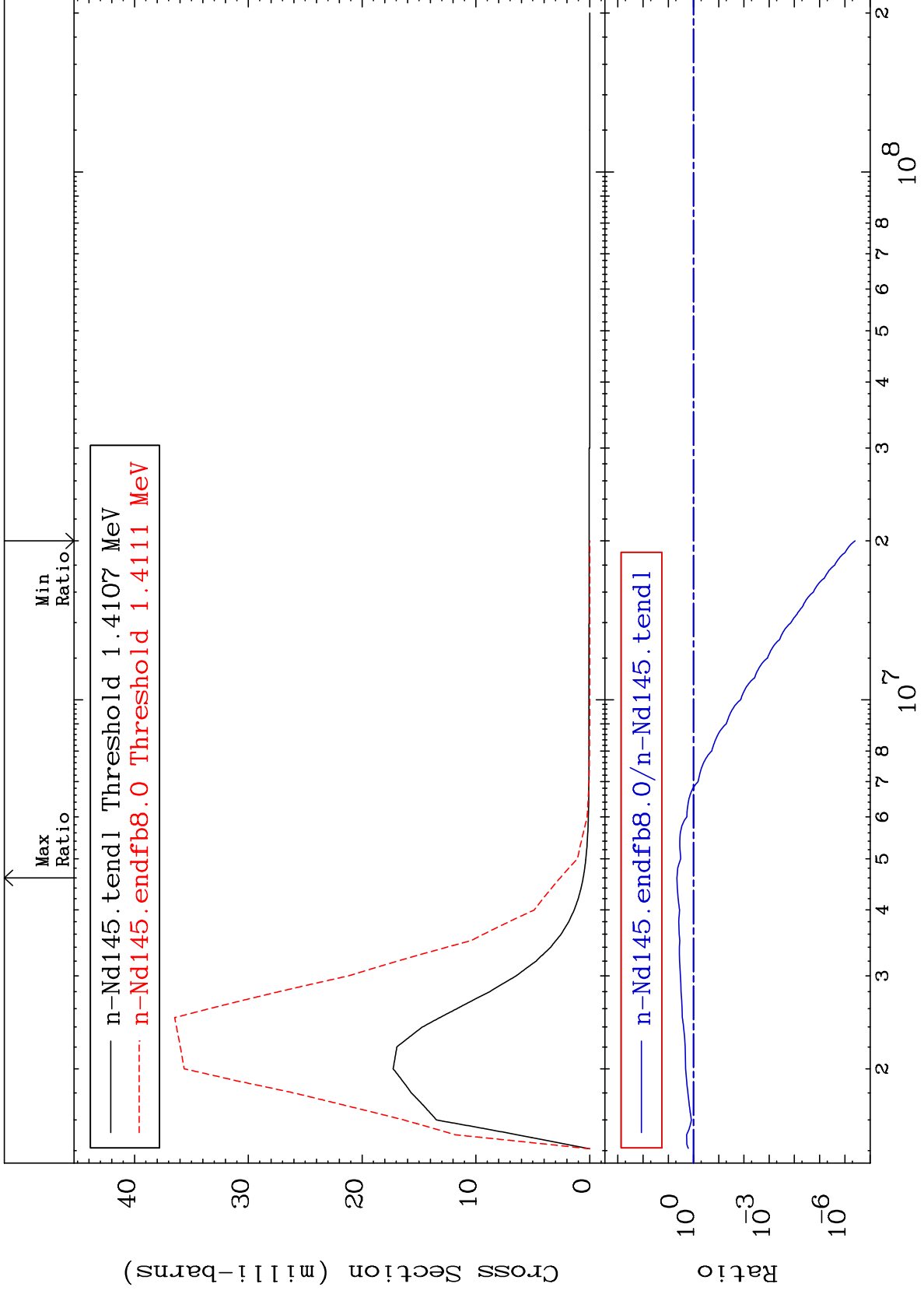
60-Nd-145
-100.0 To 3.927 %



MAT 6034

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

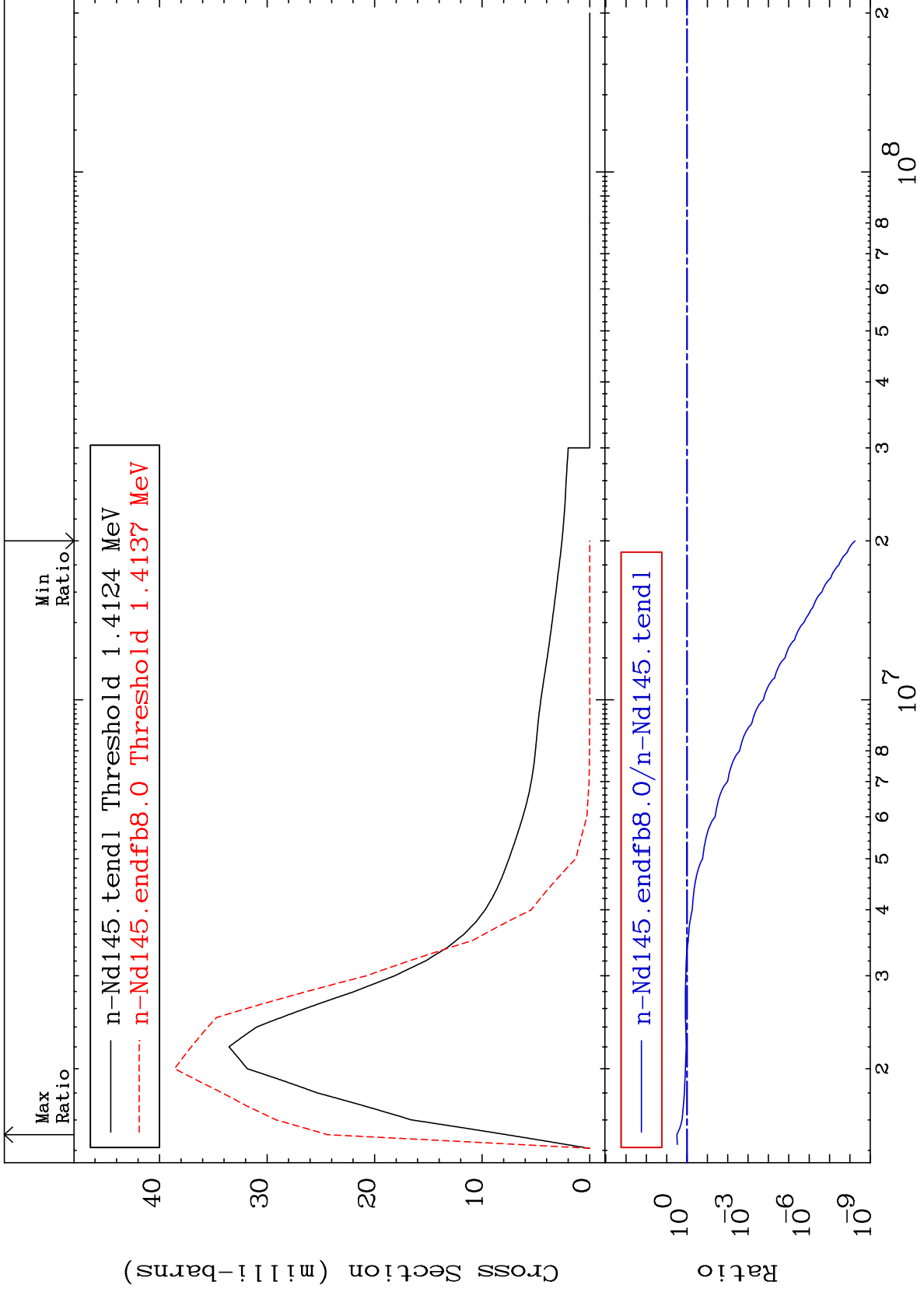
60-Nd-145
-100.0 To 354.3 %



MAT 6034

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

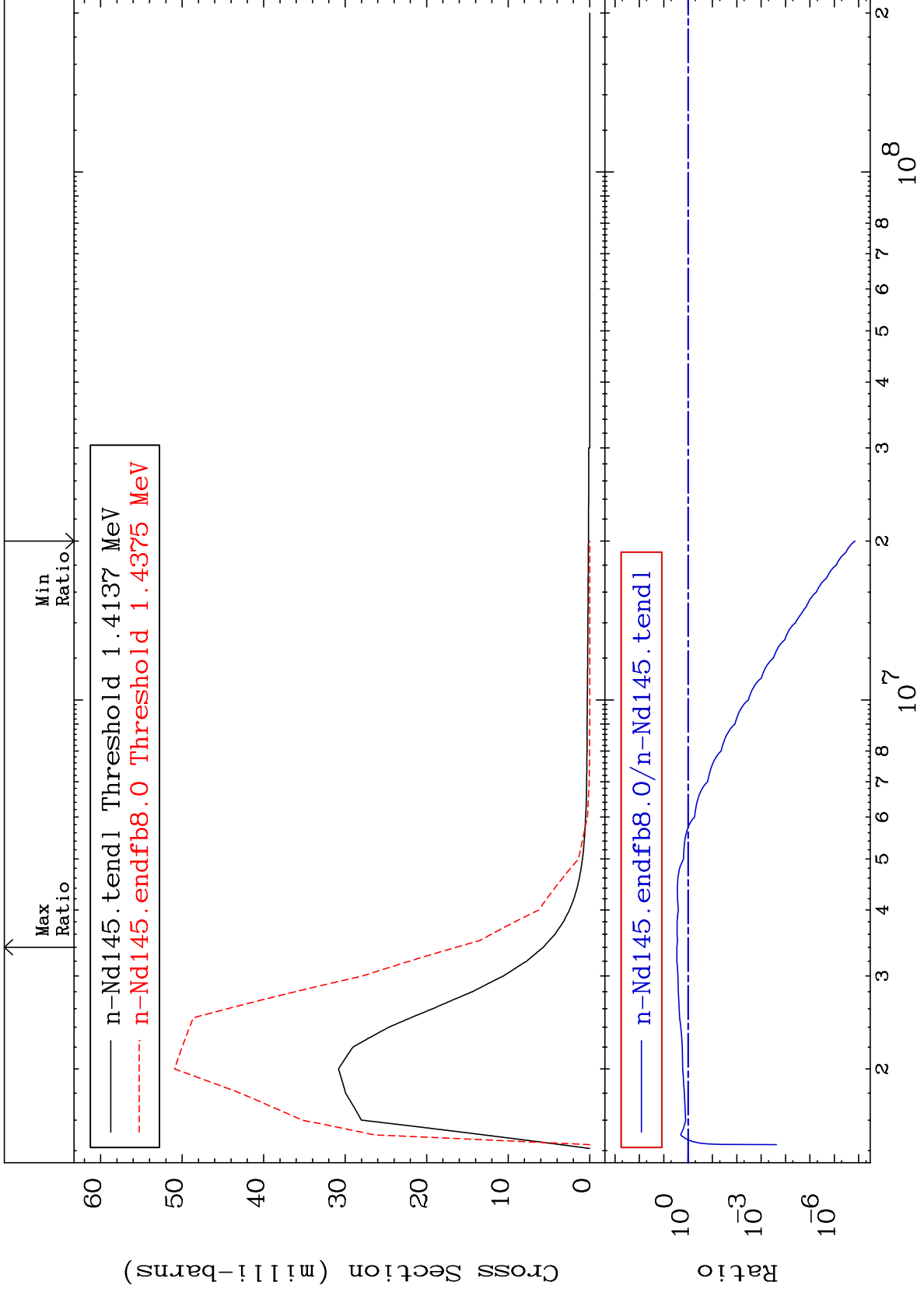
60-Nd-145
-100.0 To 215.0 %



MAT 6034

MT= 75 (n,n') Level
Cross Section

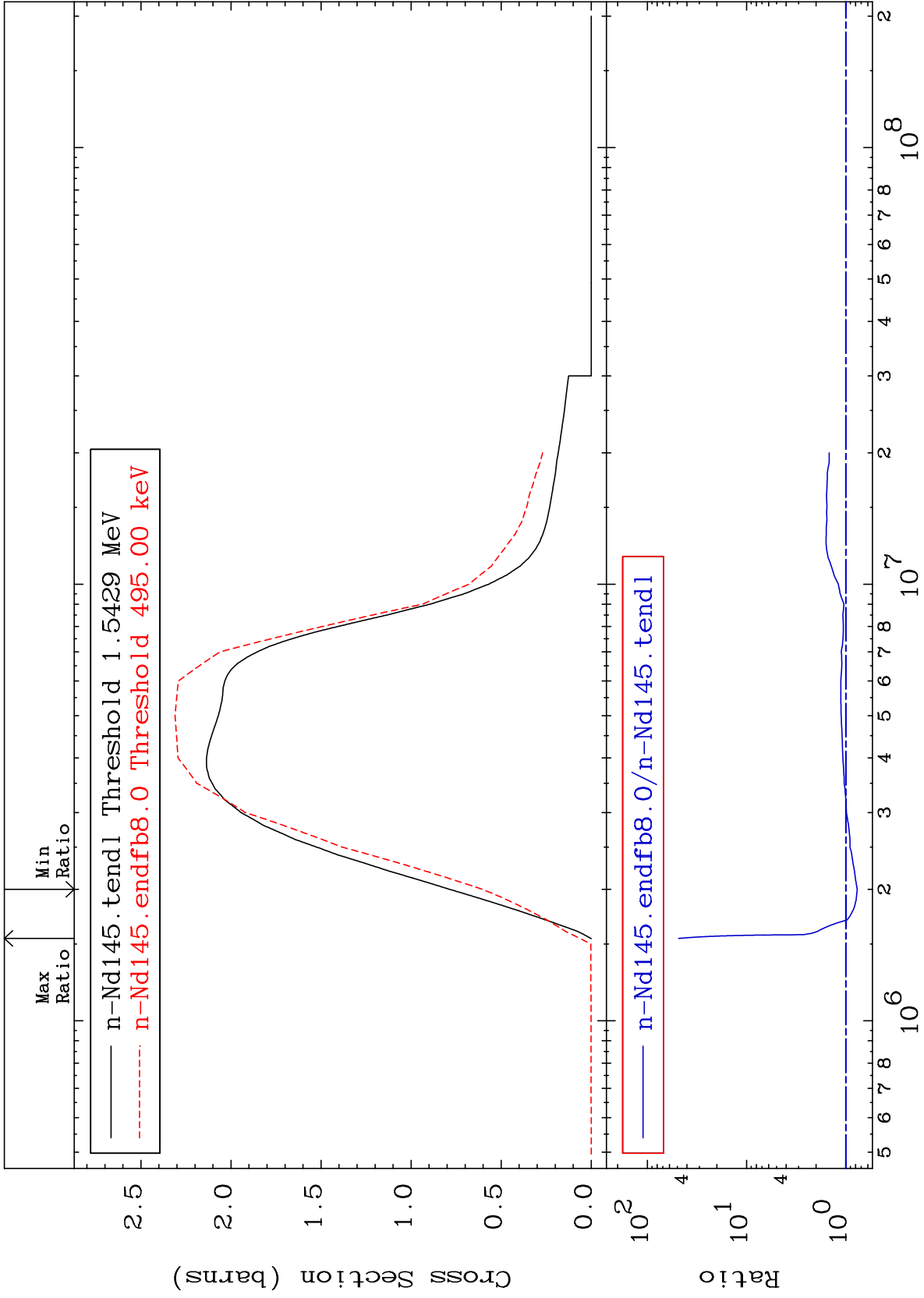
60-Nd-145
-100.0 To 187.2 %



MAT 6034

(n, n') Continuum
Cross Section

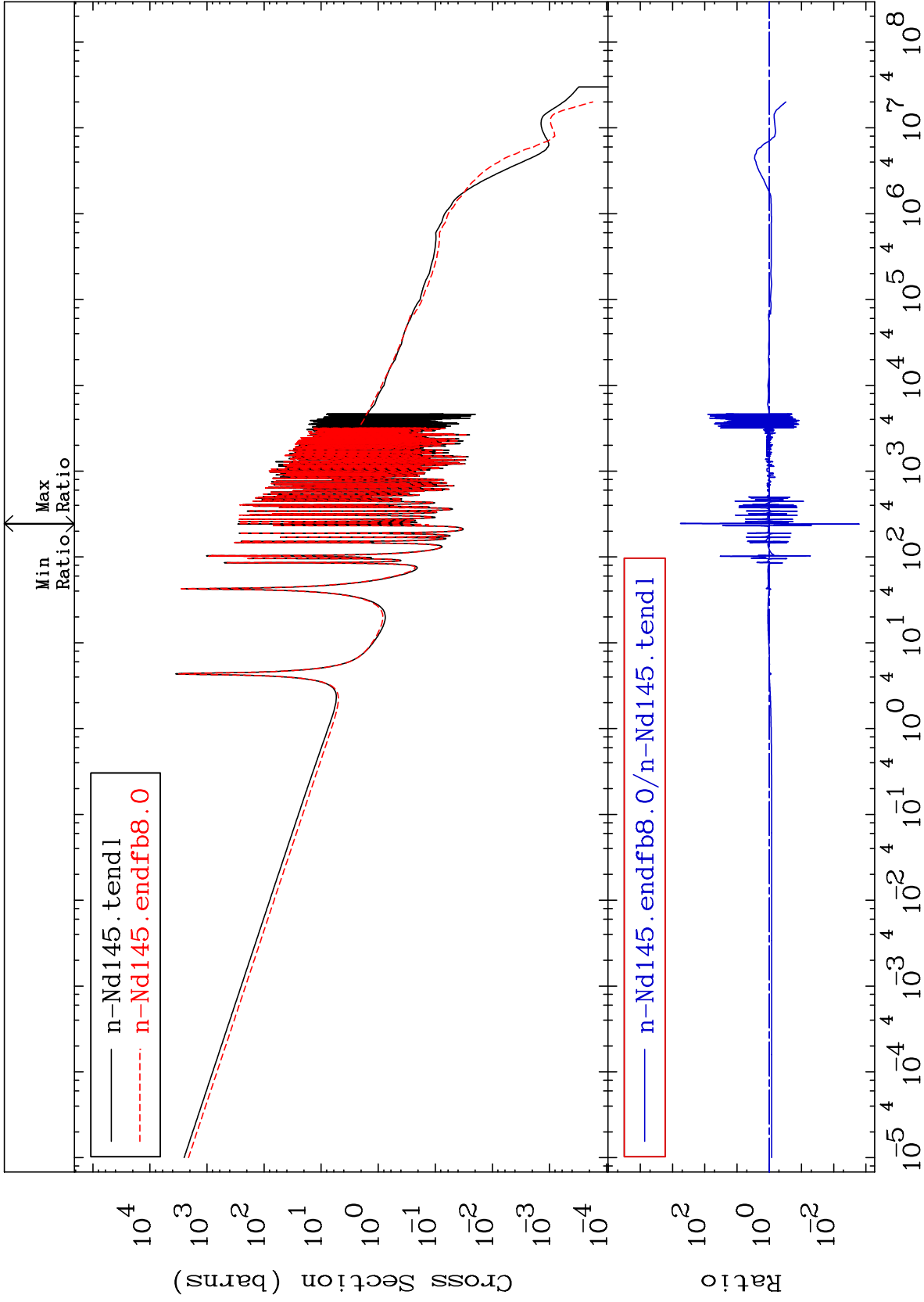
60-Nd-145
-23.20 To 4752. %



MAT 6034

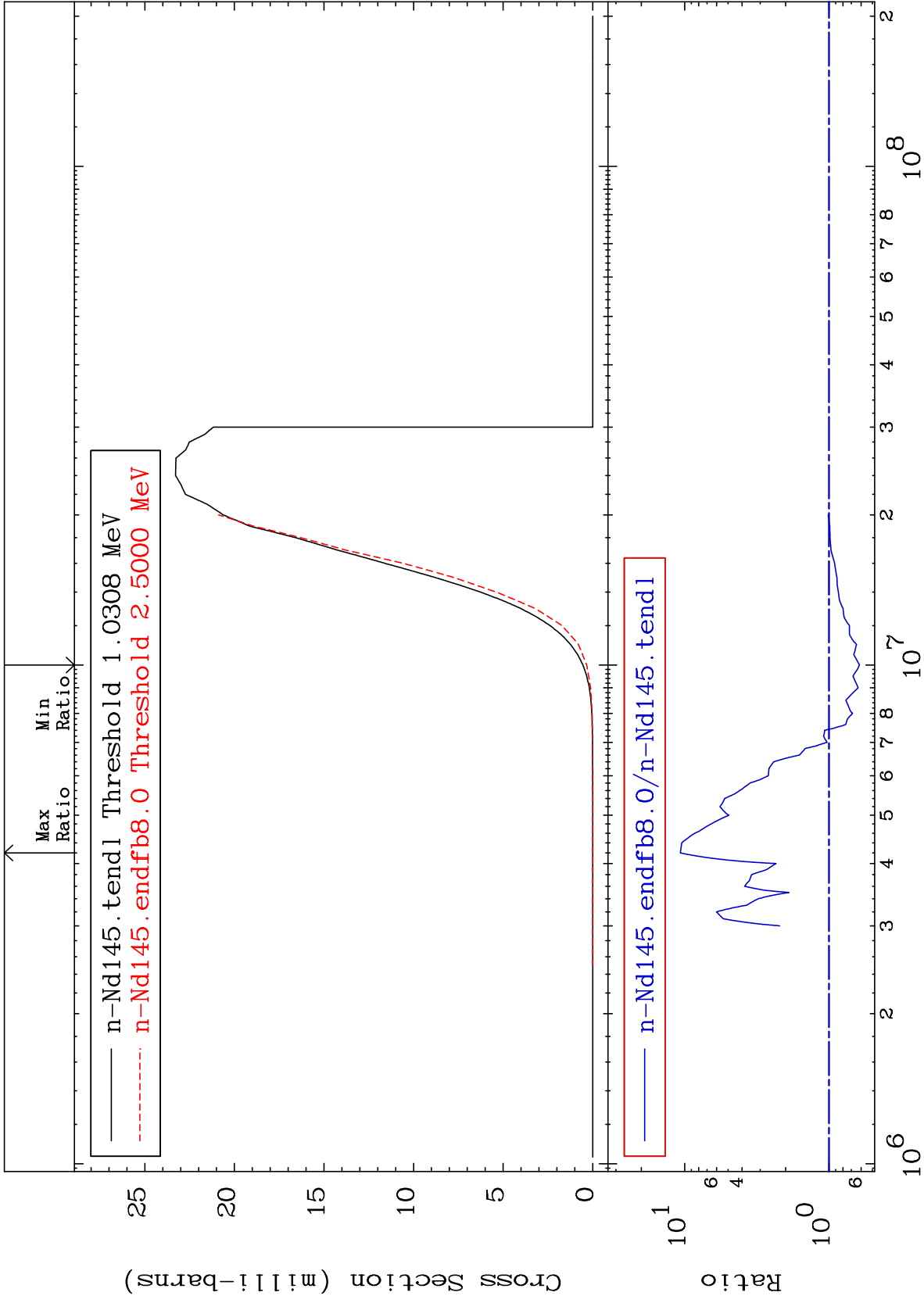
(n, γ)
Cross Section

60-Nd-145
-99.84 To 9999. %



MAT 6034

(n,p) Cross Section
60-Nd-145
-38.48 To 971.1 %



37

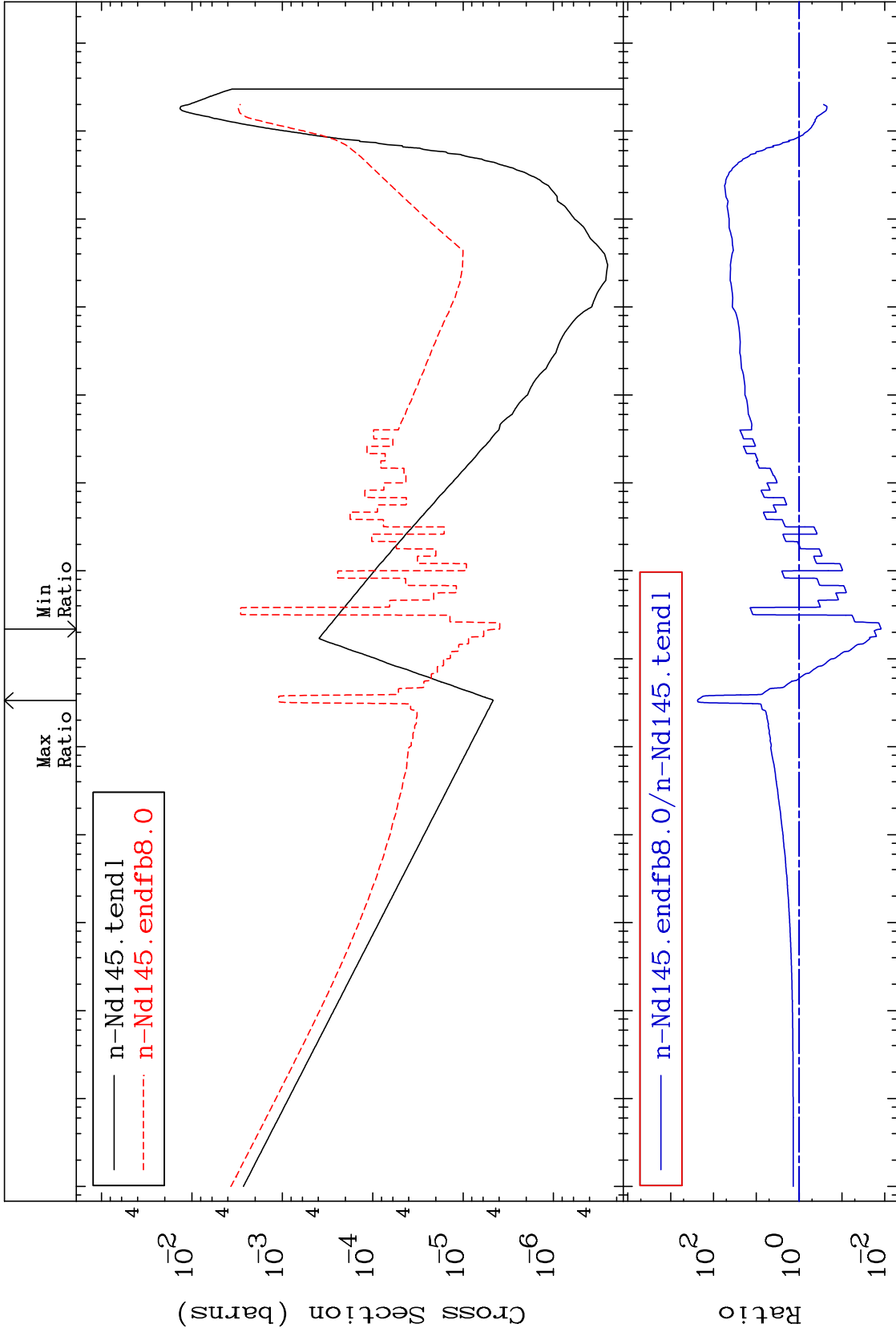
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, α)
Cross Section

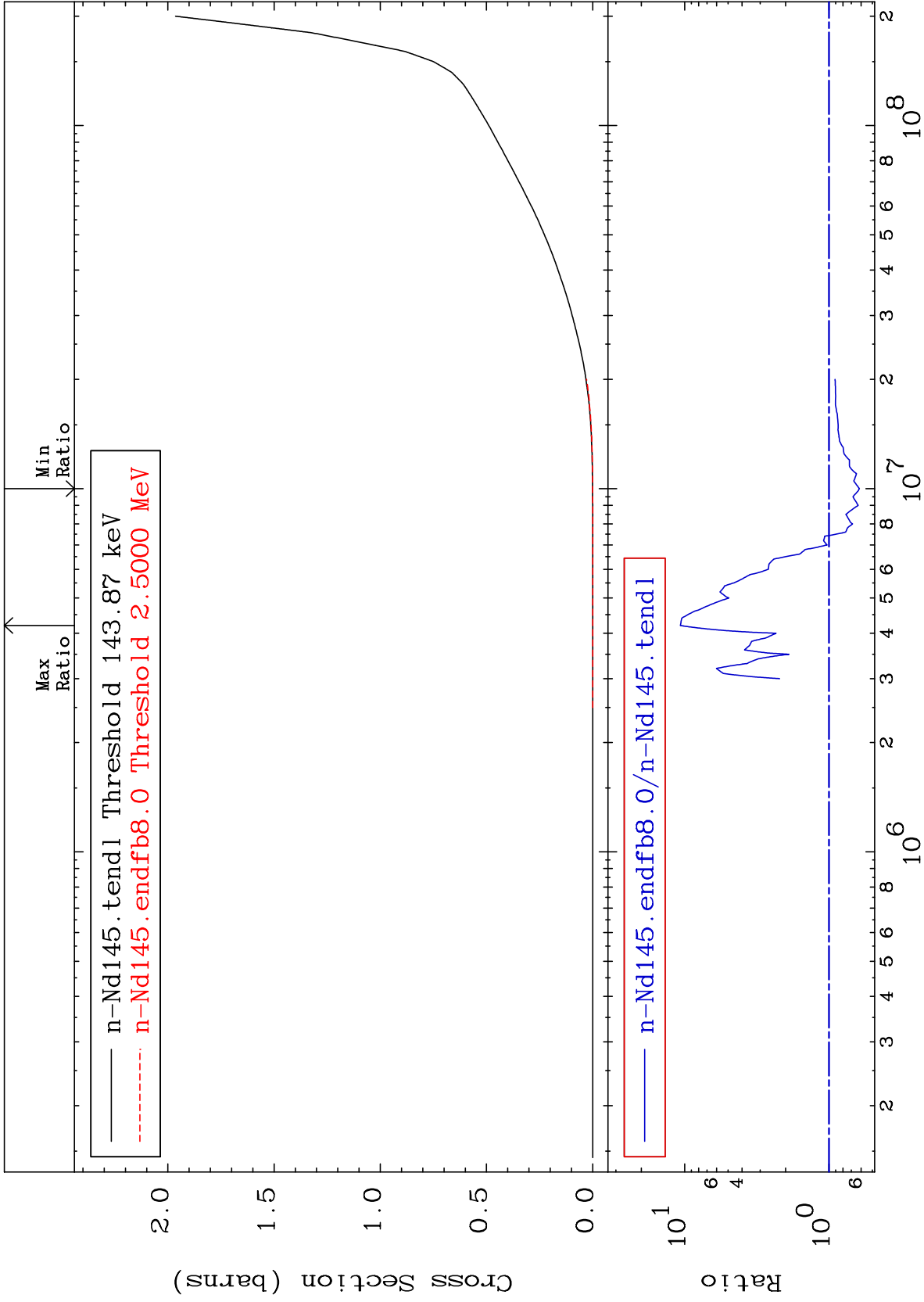
60-Nd-145
-98.78 To 9999. %



38

Incident Energy (eV)

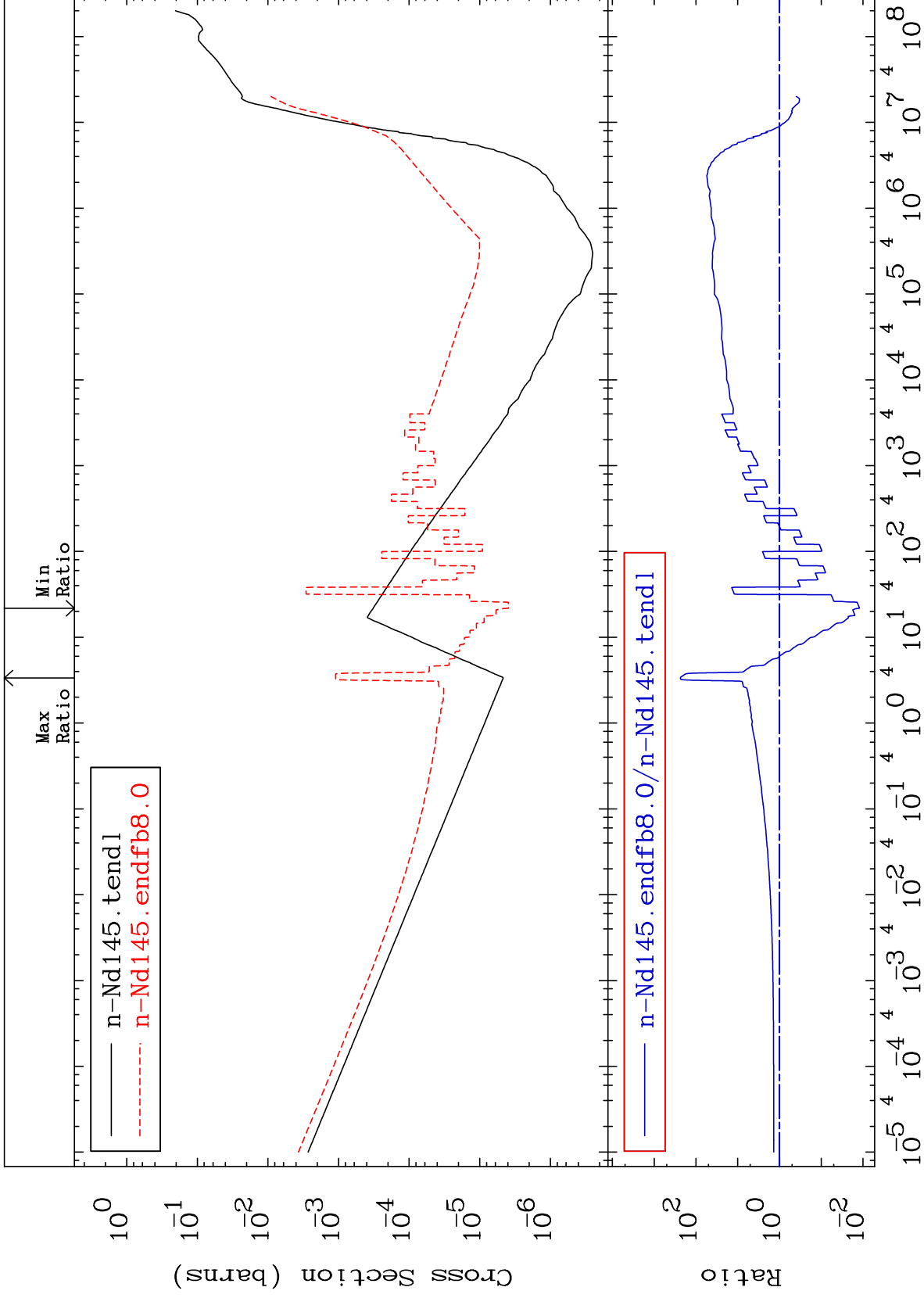
60-Nd-145



MAT 6034

He-4 Production
Cross Section

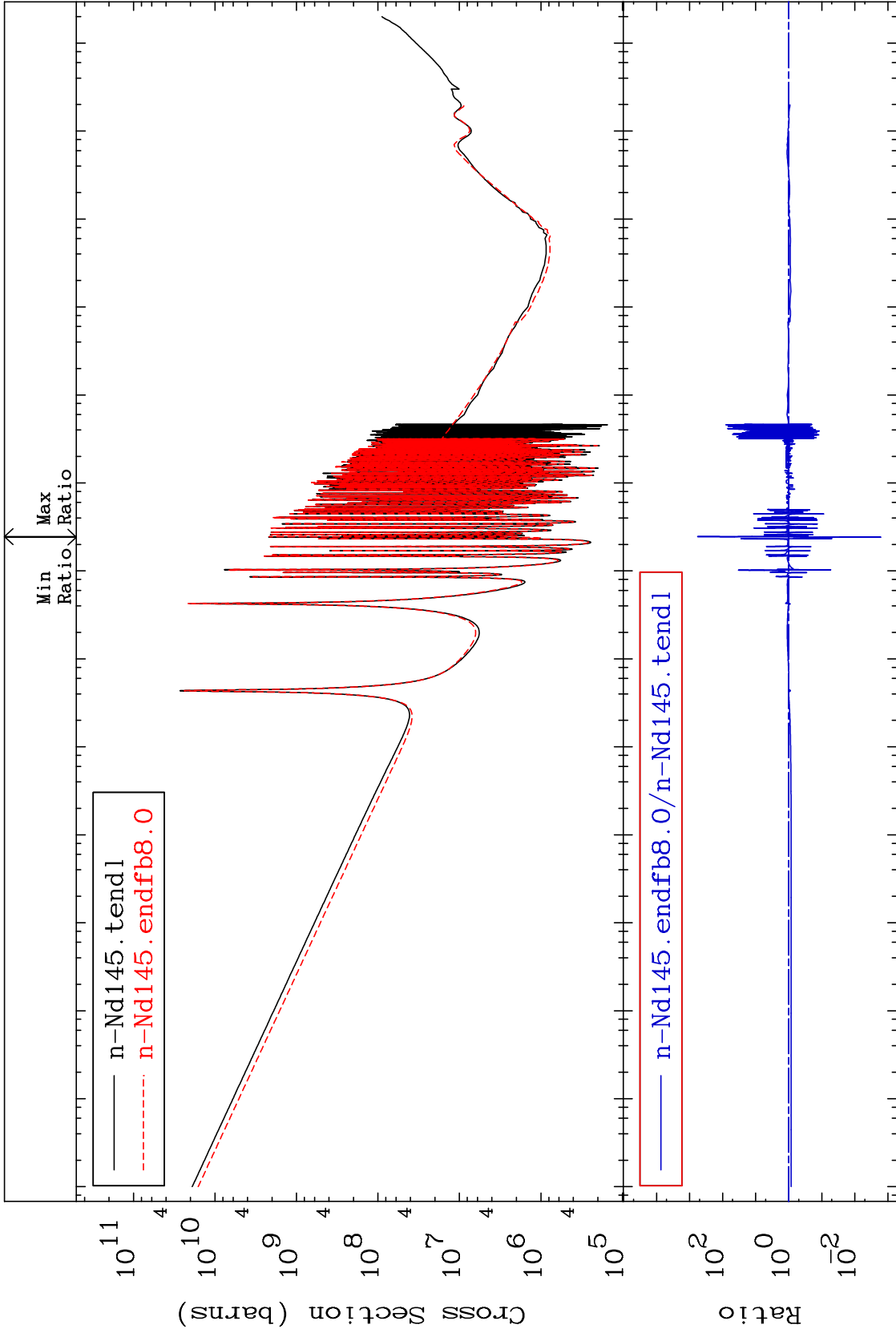
60-Nd-145
-98.78 To 9999. %



40

Incident Energy (eV)

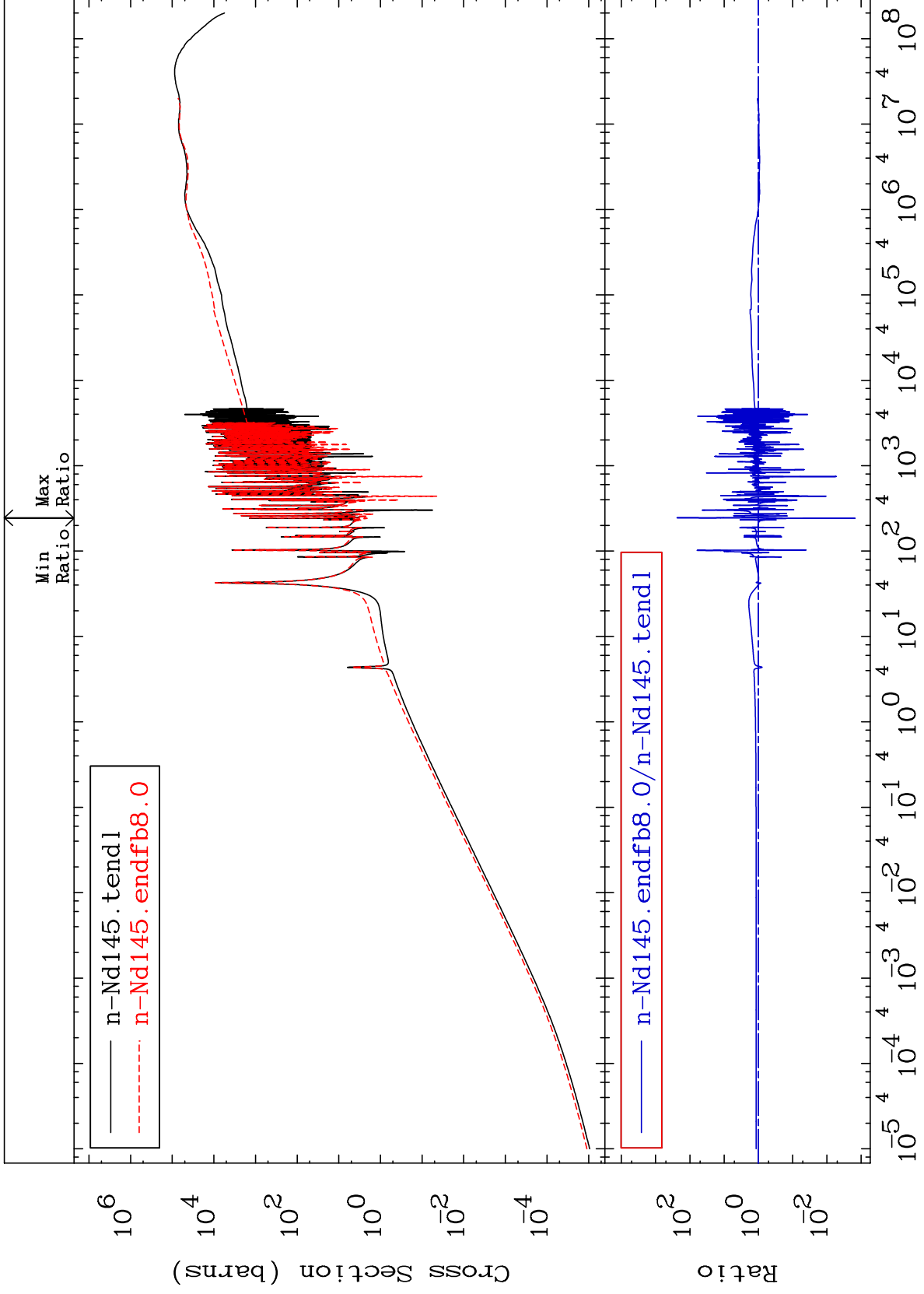
60-Nd-145

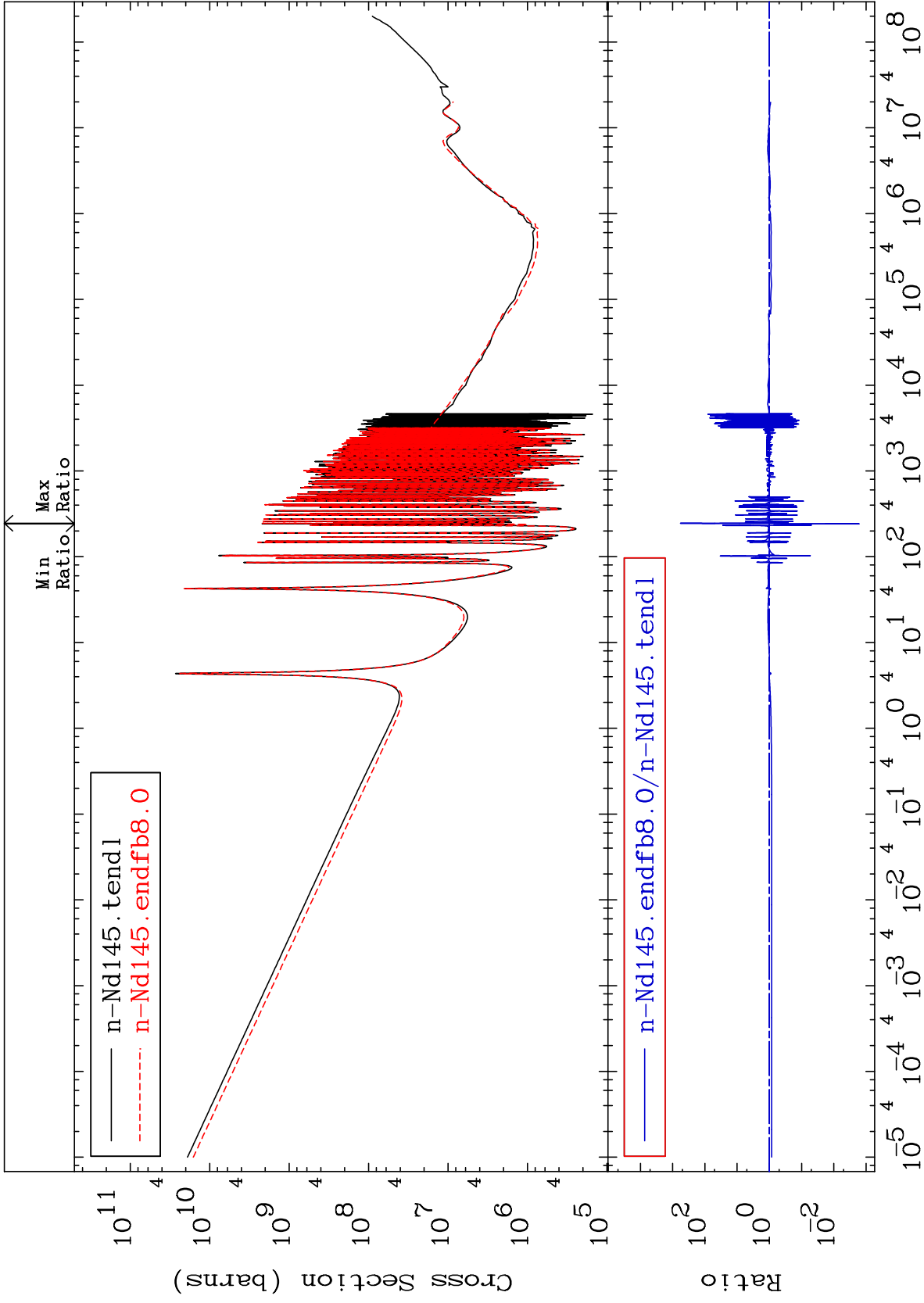


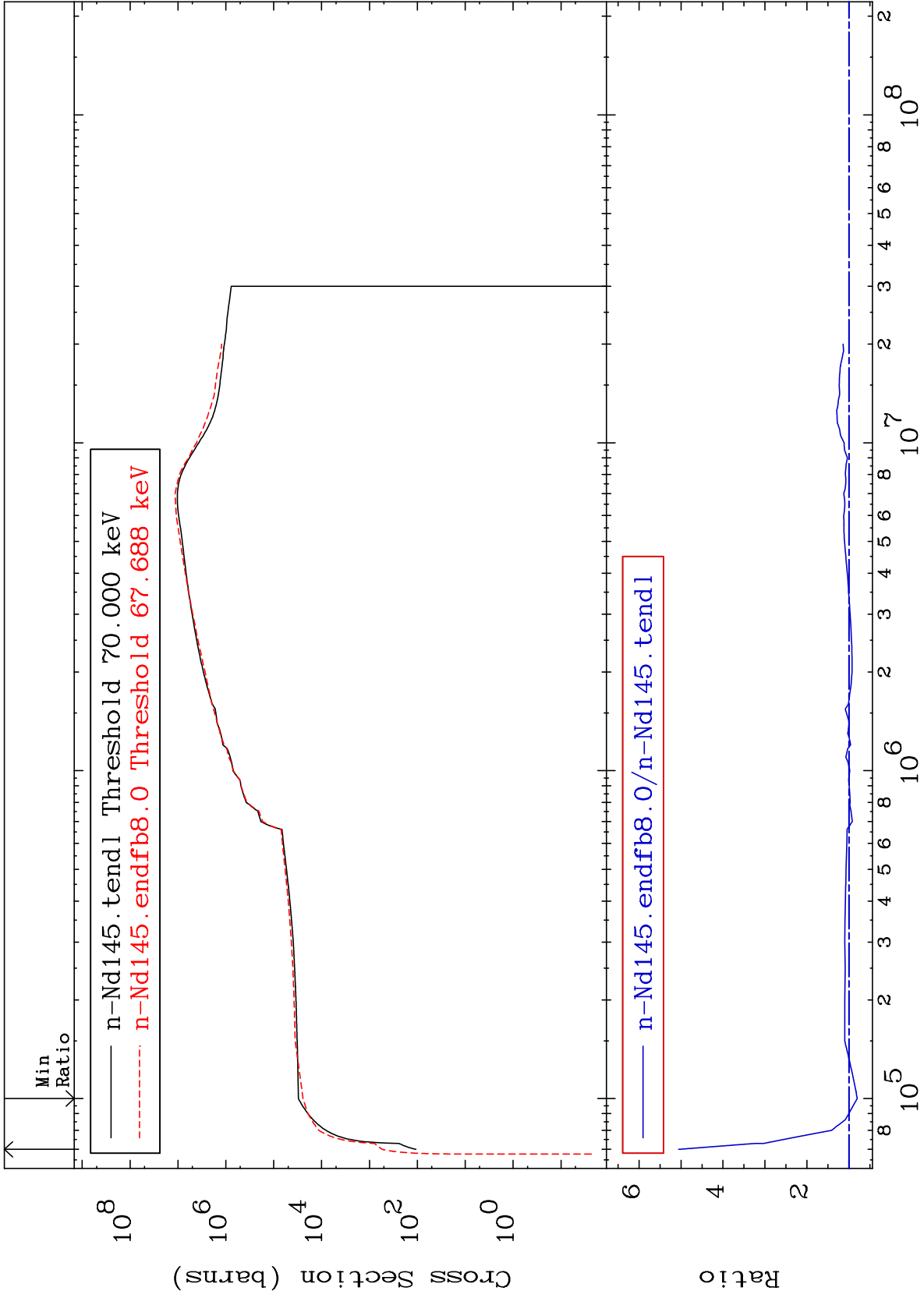
MAT 6034

Kerma elastic
Cross Section

60-Nd-145
-99.85 To 9999. %



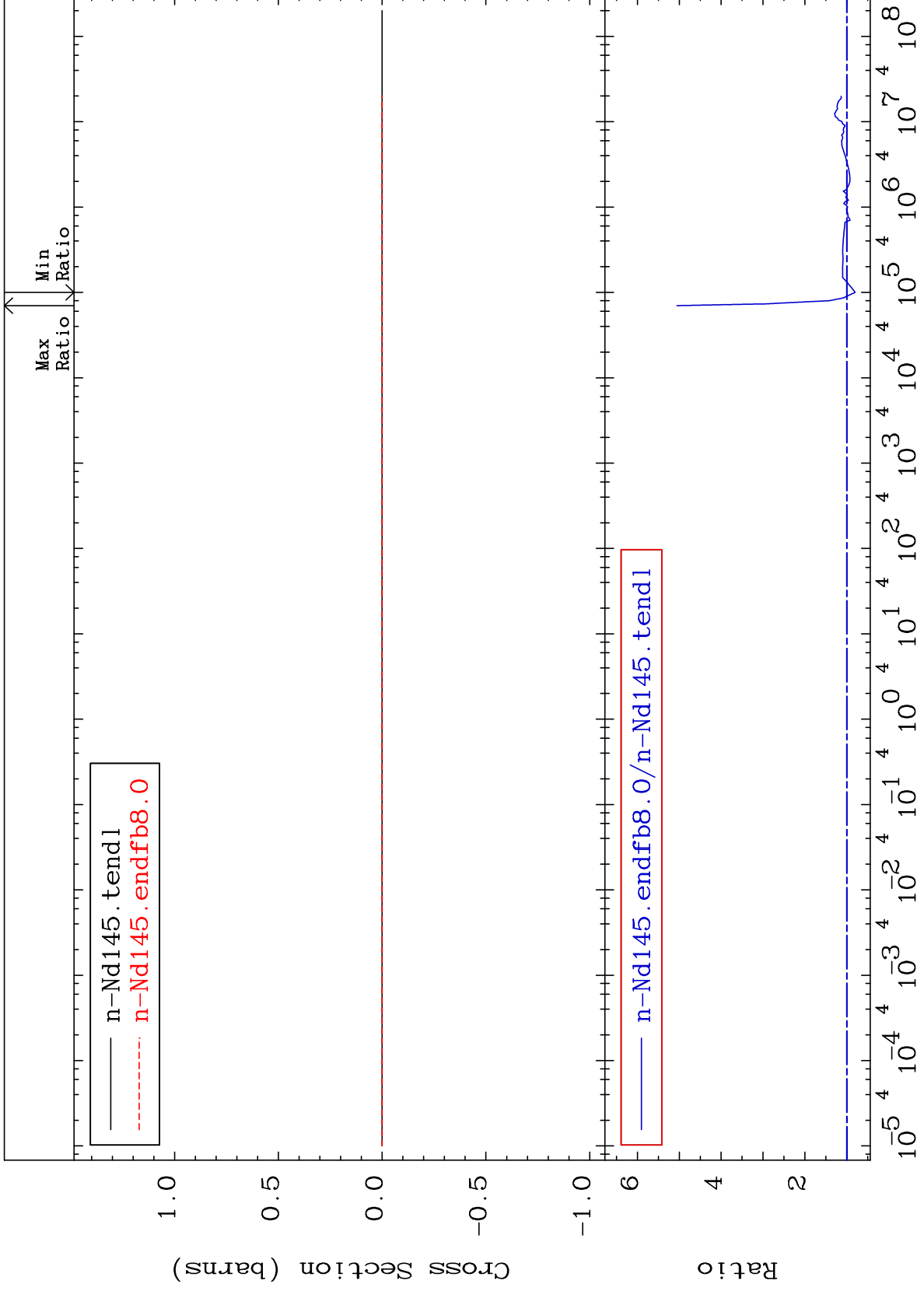




MAT 6034

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

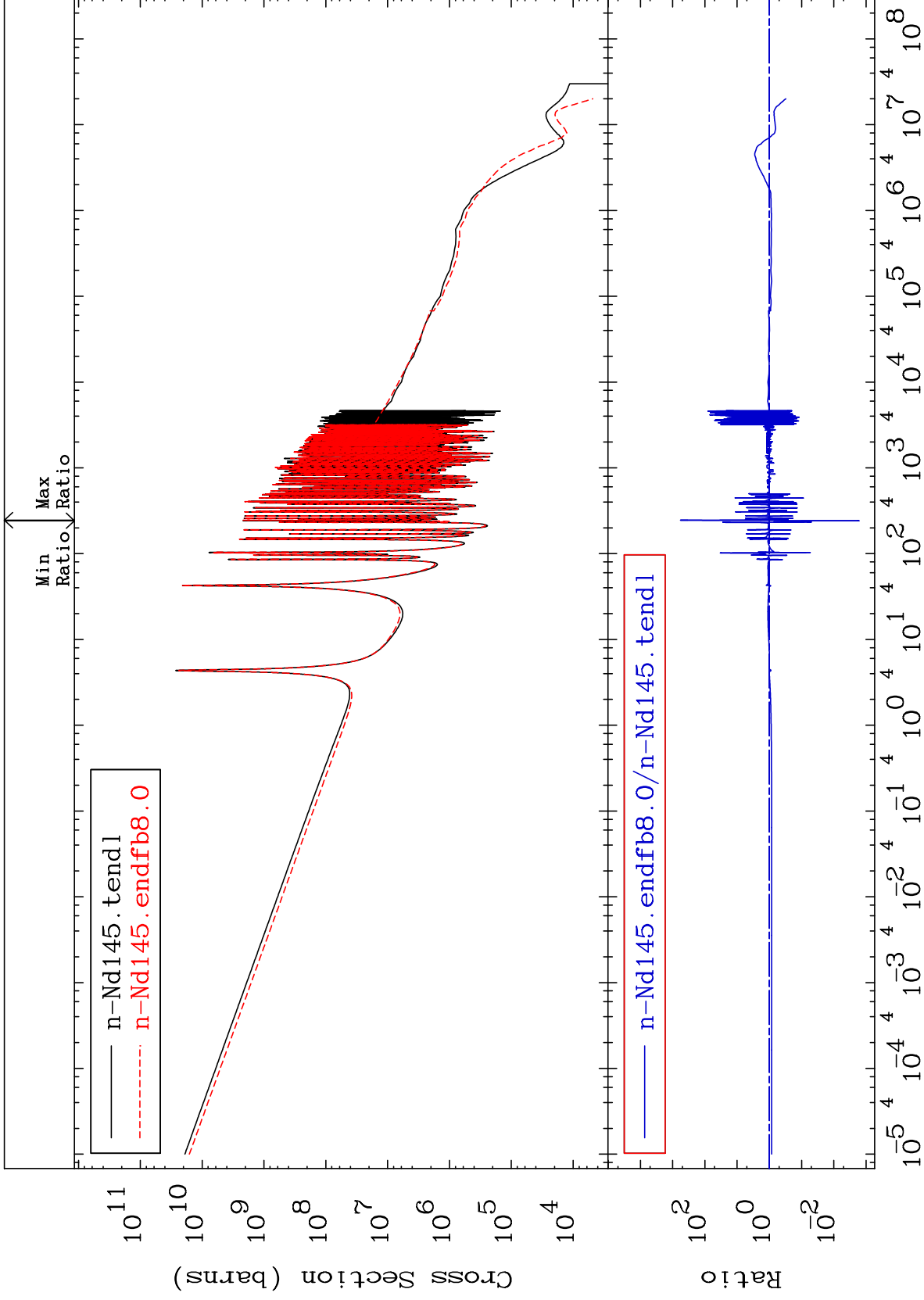
60-Nd-145
-20.00 To 405.7 %



45

Incident Energy (eV)

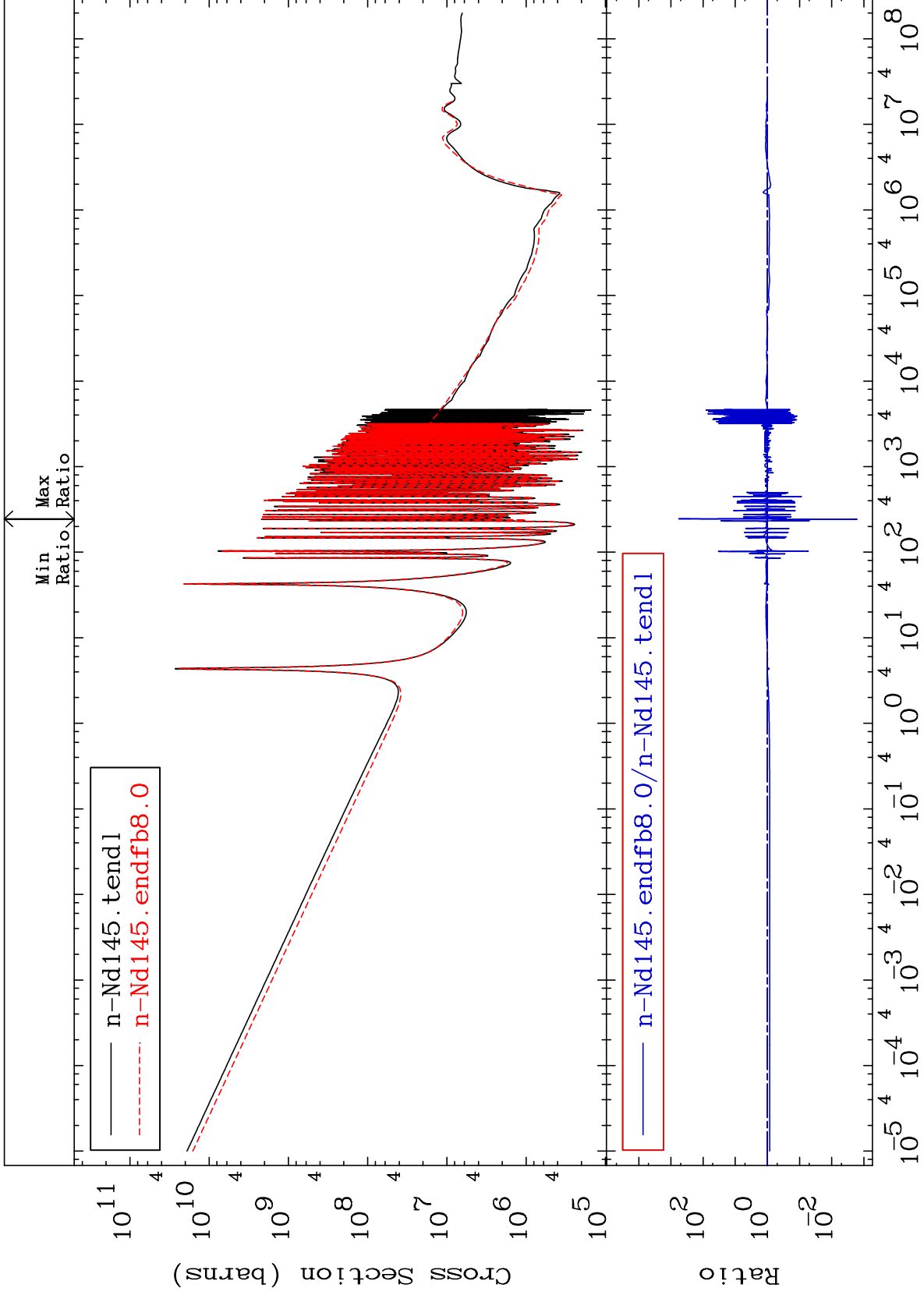
60-Nd-145

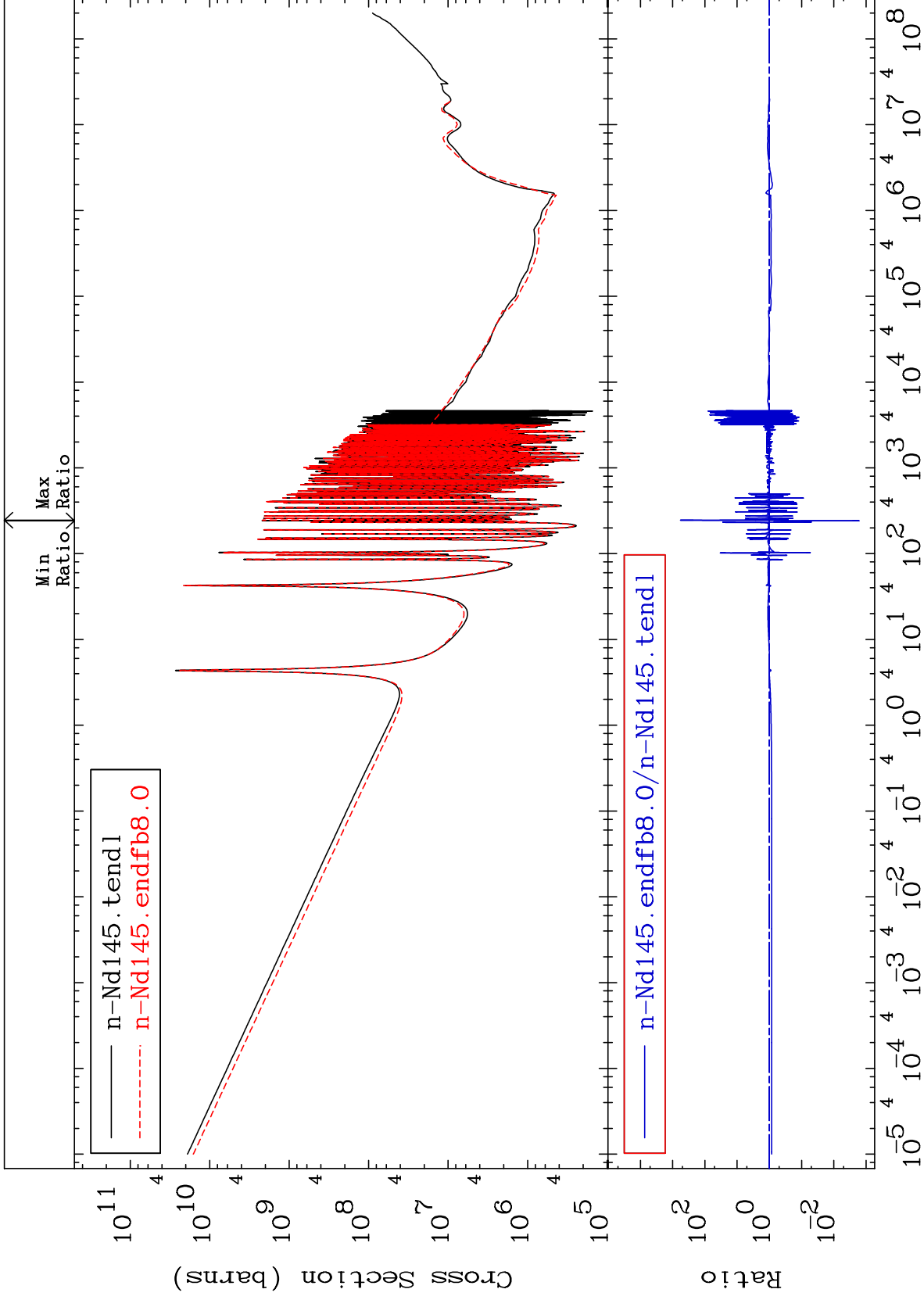


MAT 6034

Total photon (eV-barns)
Cross Section

60-Nd-145
-99.84 To 9999. %

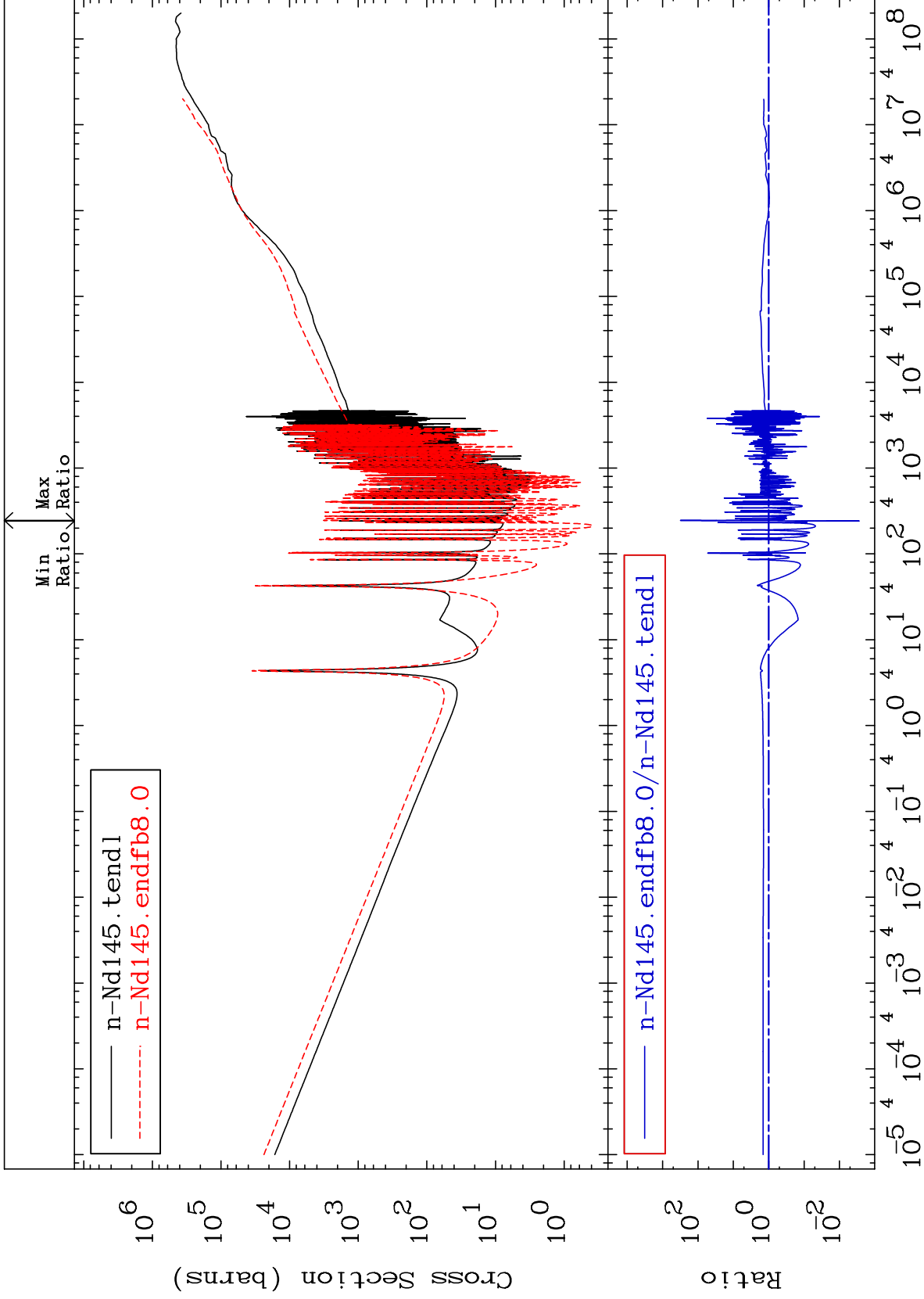




MAT 6034

Dpa total (eV-barns)
Cross Section

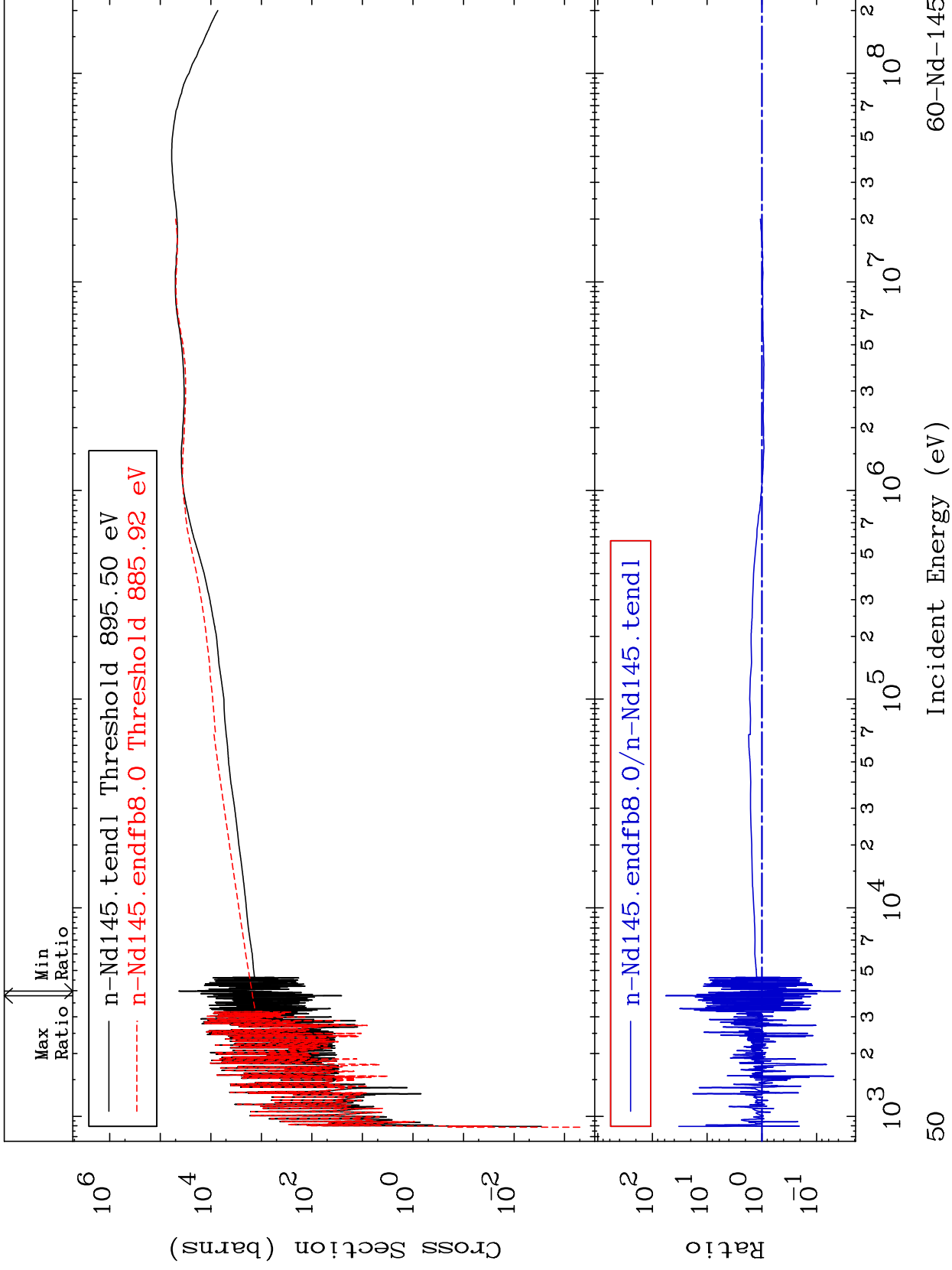
60-Nd-145
-99.73 To 9999. %



MAT 6034

Dpa elastic (mt2)
Cross Section

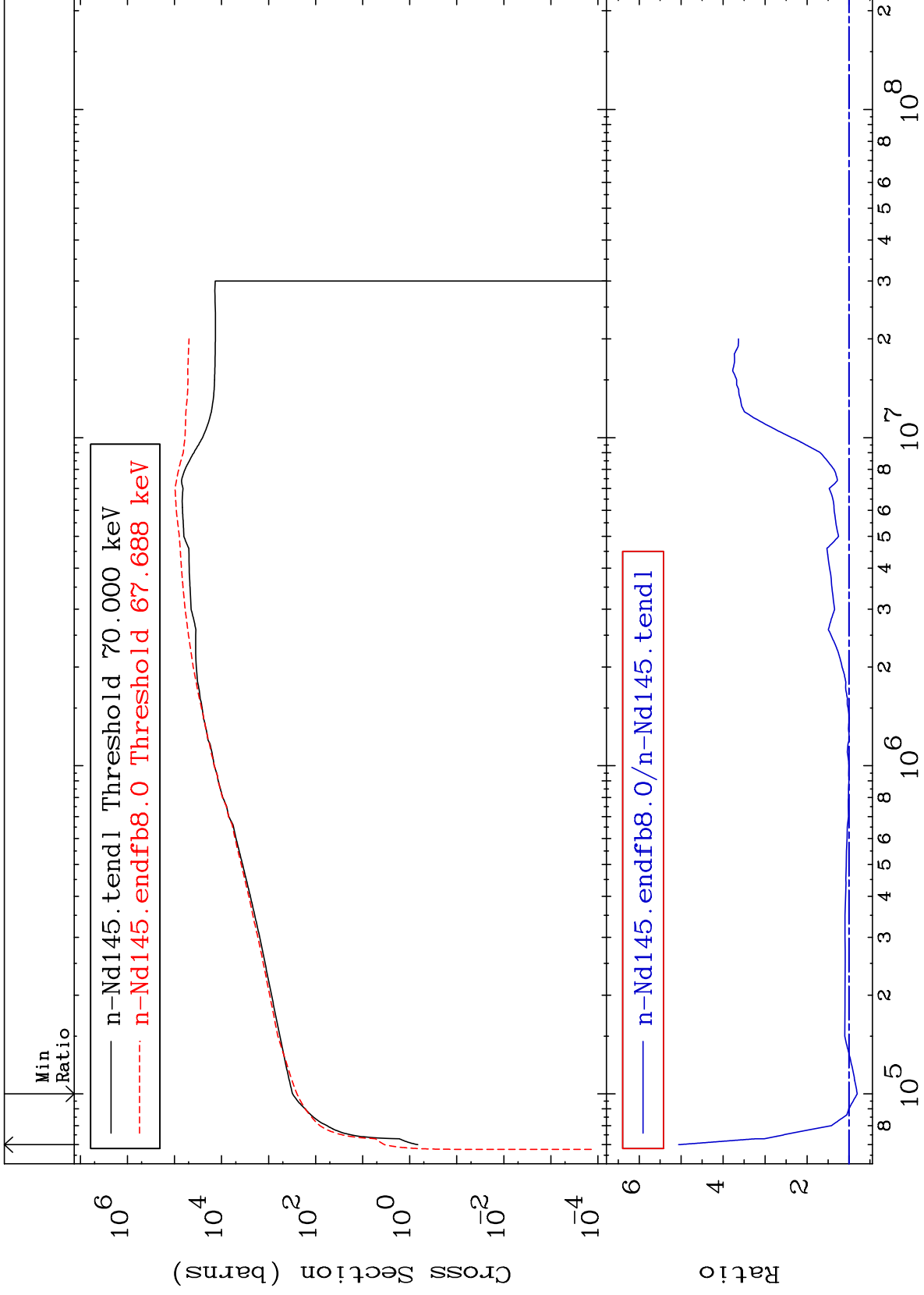
60-Nd-145
-96.37 To 5668. %



MAT 6034

Dpa inelastic (mt51-91)
Cross Section

60-Nd-145
-19.61 To 406.0 %



51

Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-145
-99.73 To 9999. %

