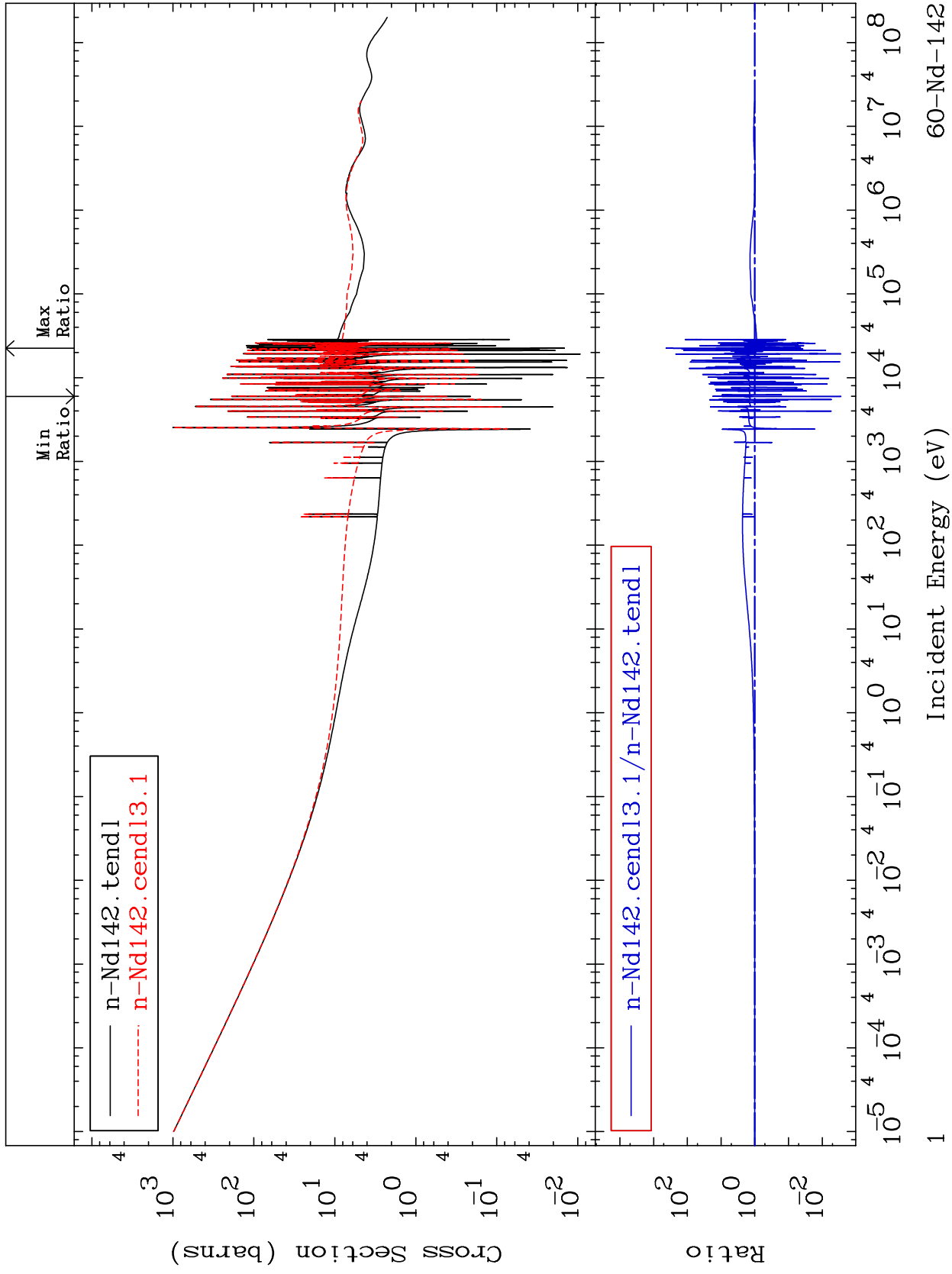


MAT 6025

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

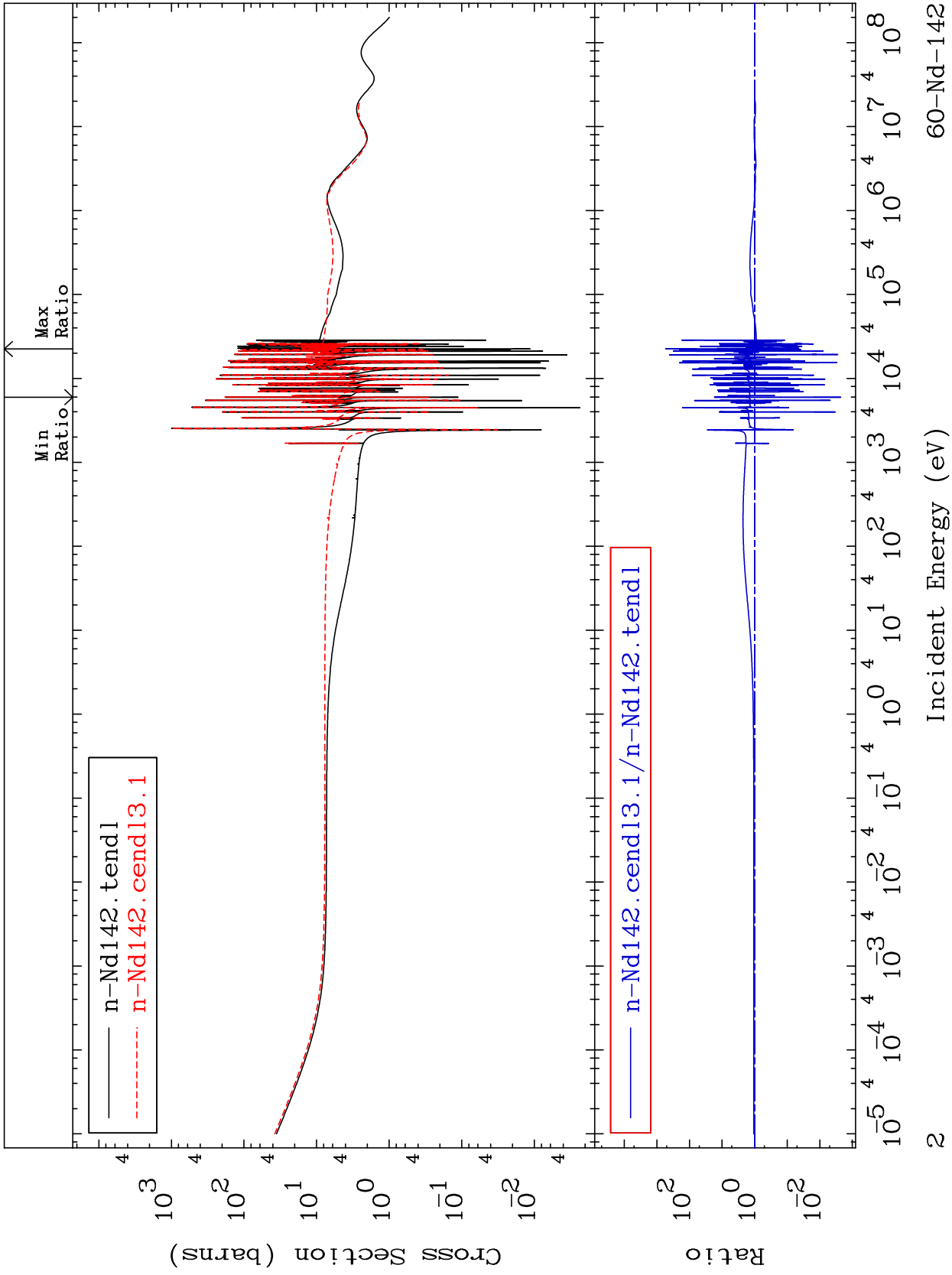


60-Nd-142

MAT 6025

Elastic
Cross Section

60-Nd-142
-99.77 To 9999. %



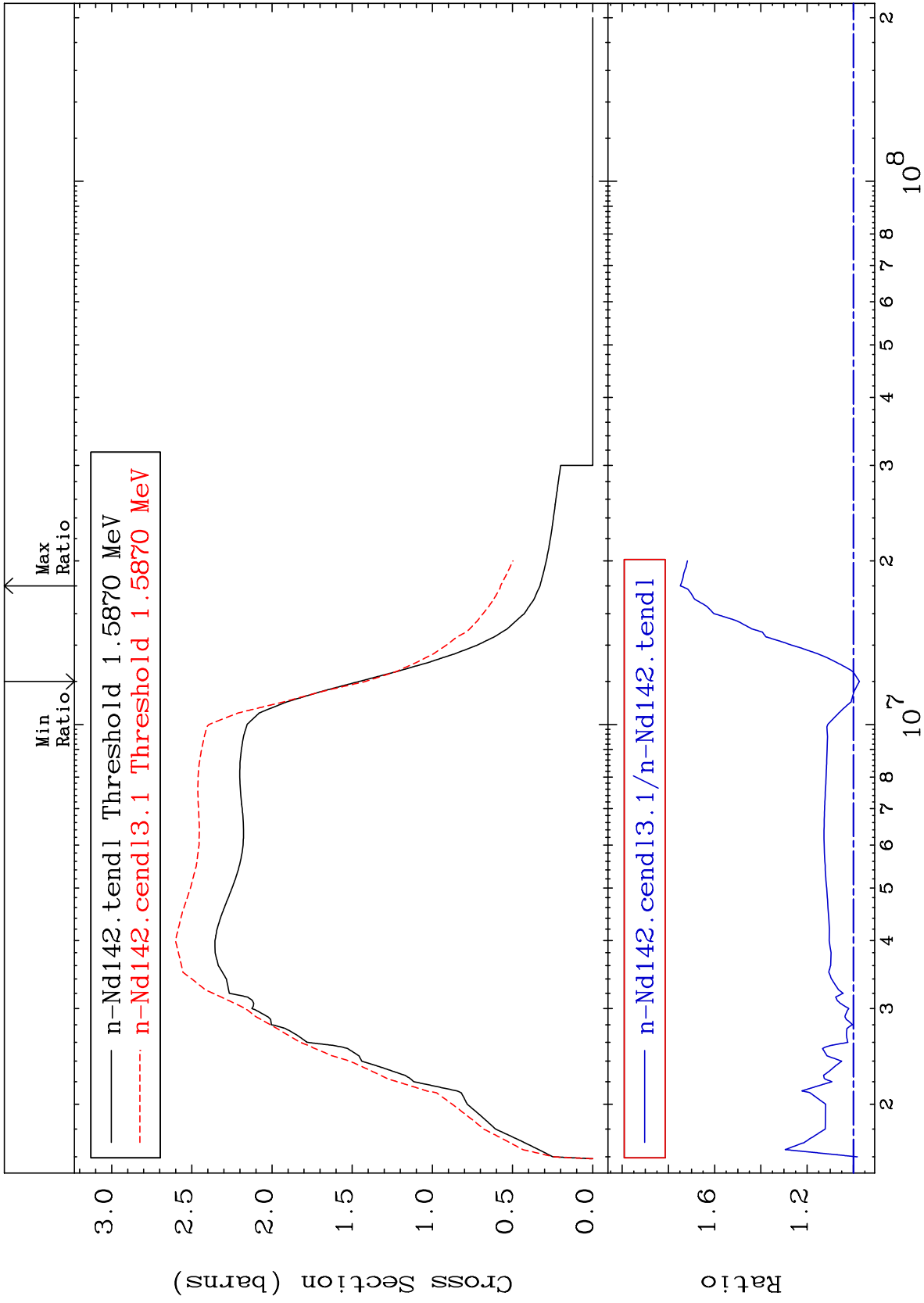
2

Incident Energy (eV)

60-Nd-142

MAT 6025

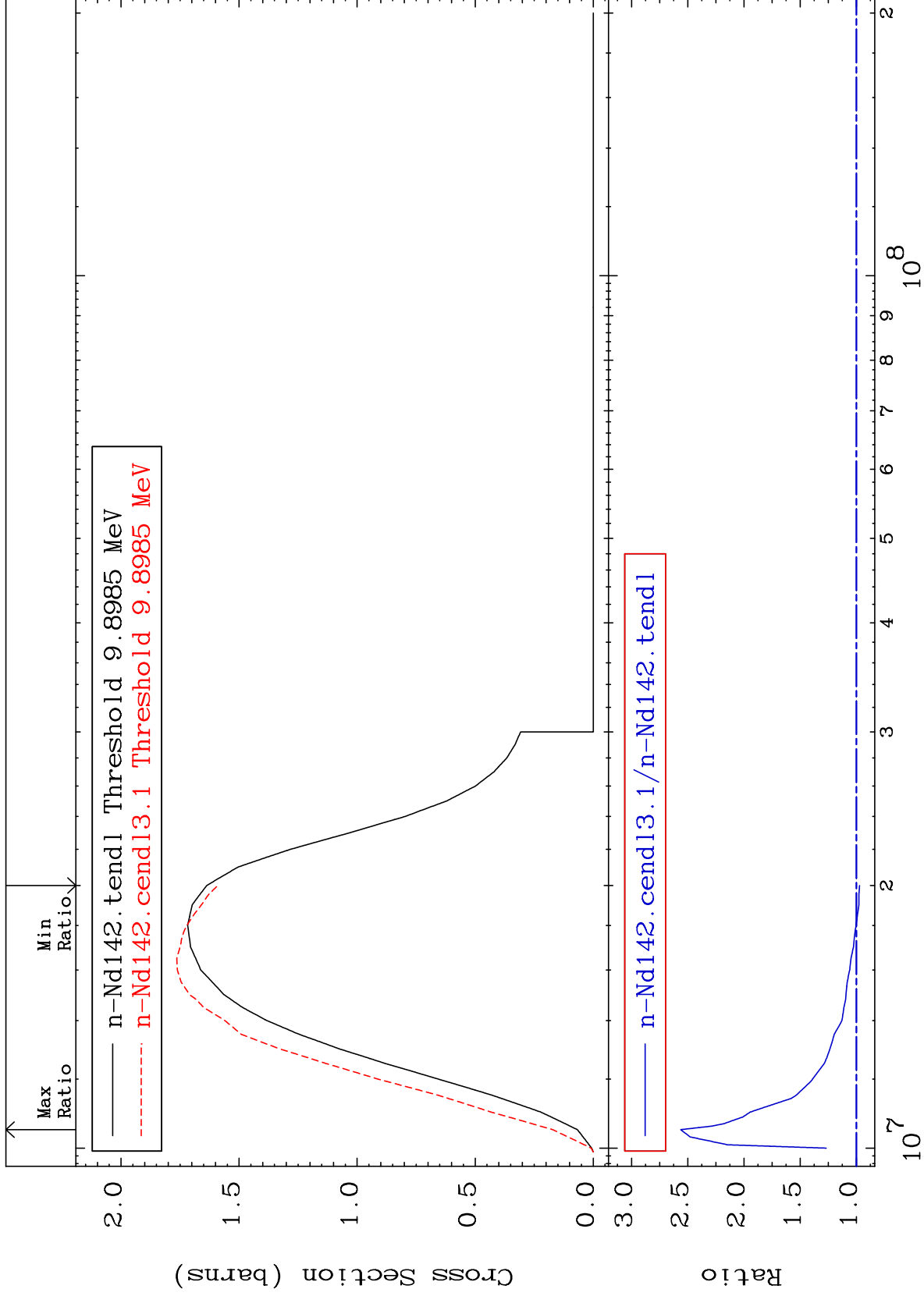
Inelastic Cross Section
60-Nd-142
-2.624 To 74.84 %



MAT 6025

(n,2n)
Cross Section

60-Nd-142
-2.826 To 156.2 %



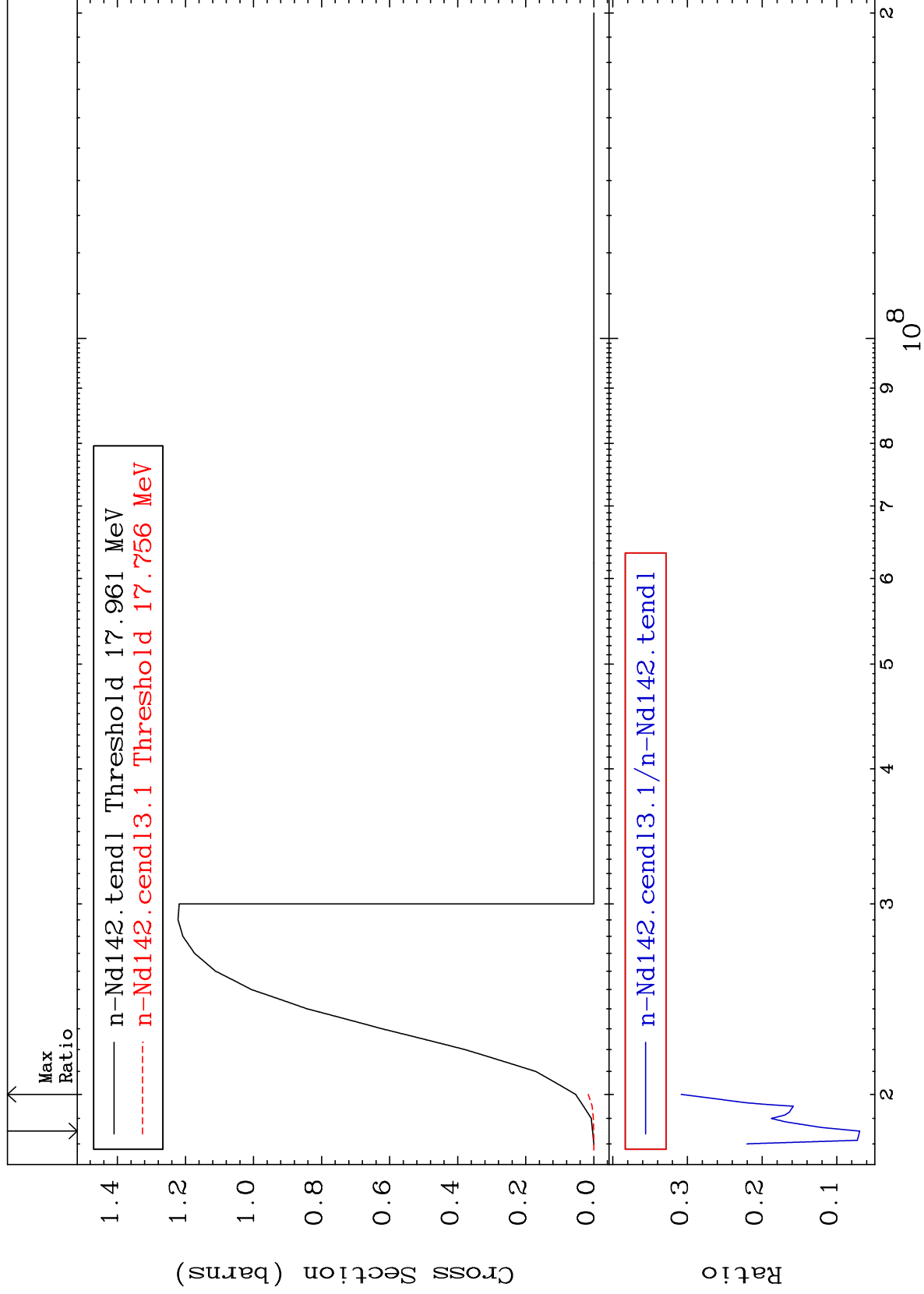
Incident Energy (eV)

60-Nd-142

MAT 6025

(n,3n)
Cross Section

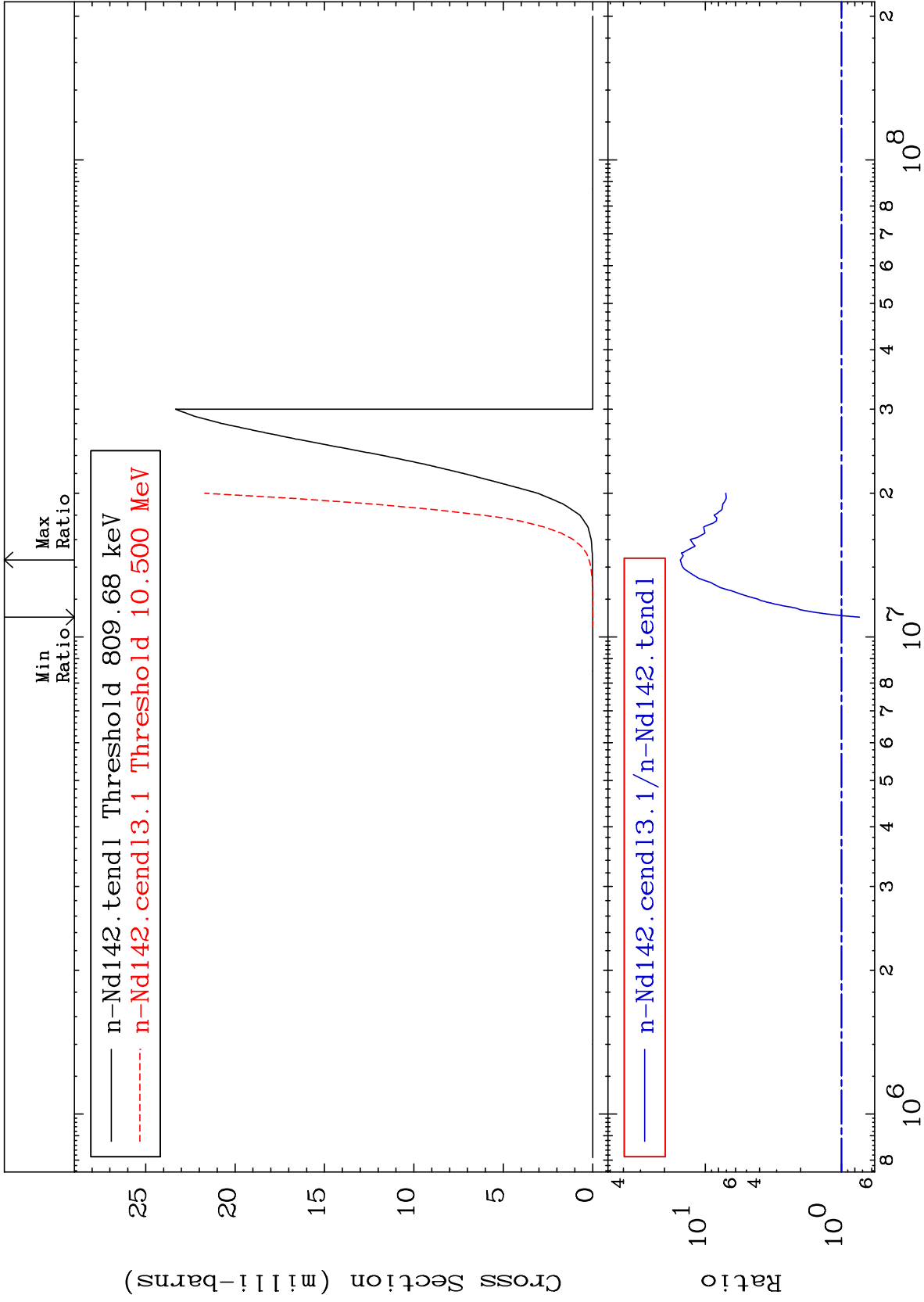
60-Nd-142
-93.05 To -69.16%



MAT 6025

(n, n') α
Cross Section

60-Nd-142
-26.09 To 1426. %



6

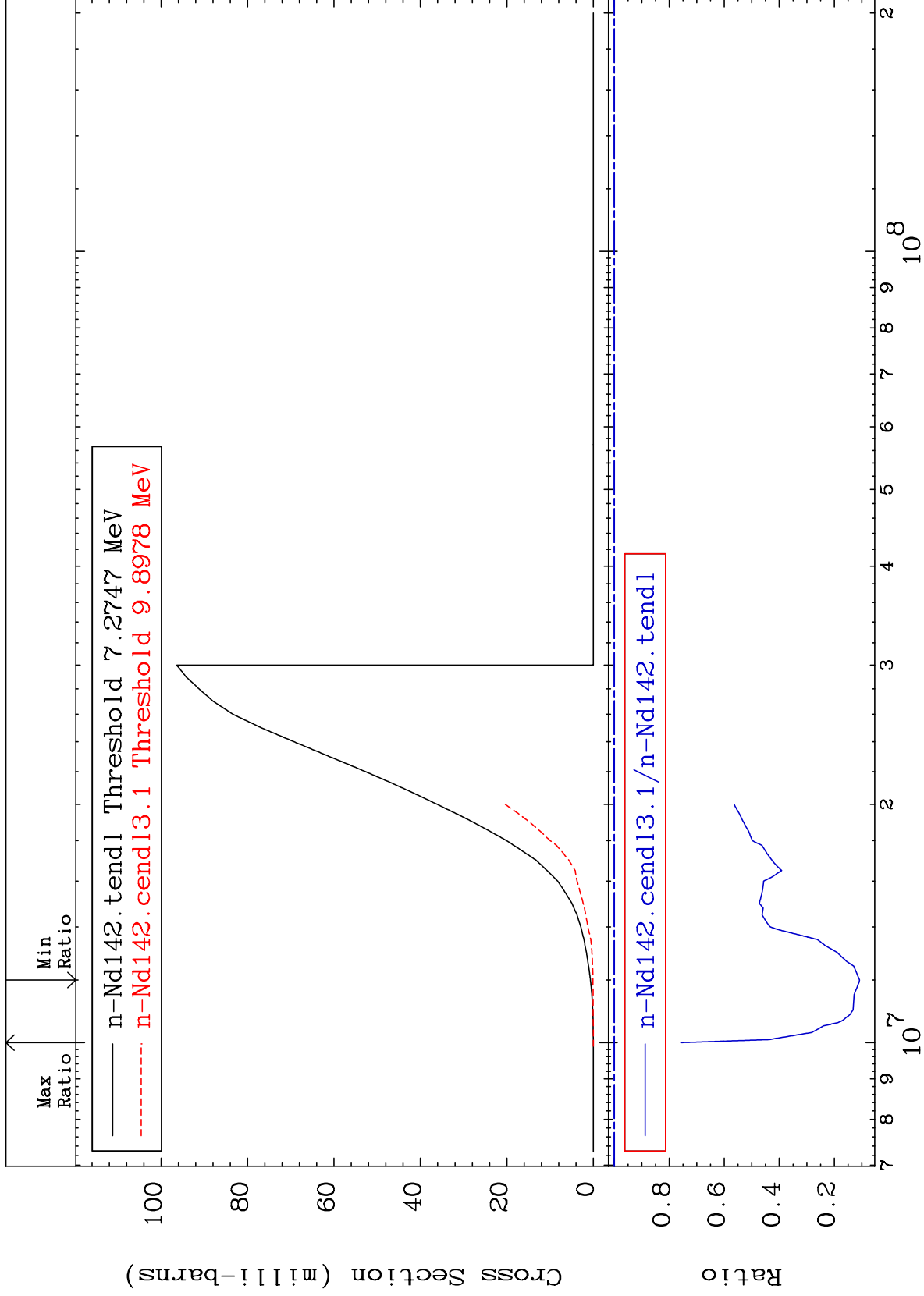
Incident Energy (eV)

60-Nd-142

MAT 6025

(n,n') p
Cross Section

60-Nd-142
-89.19 To -24.17%



7

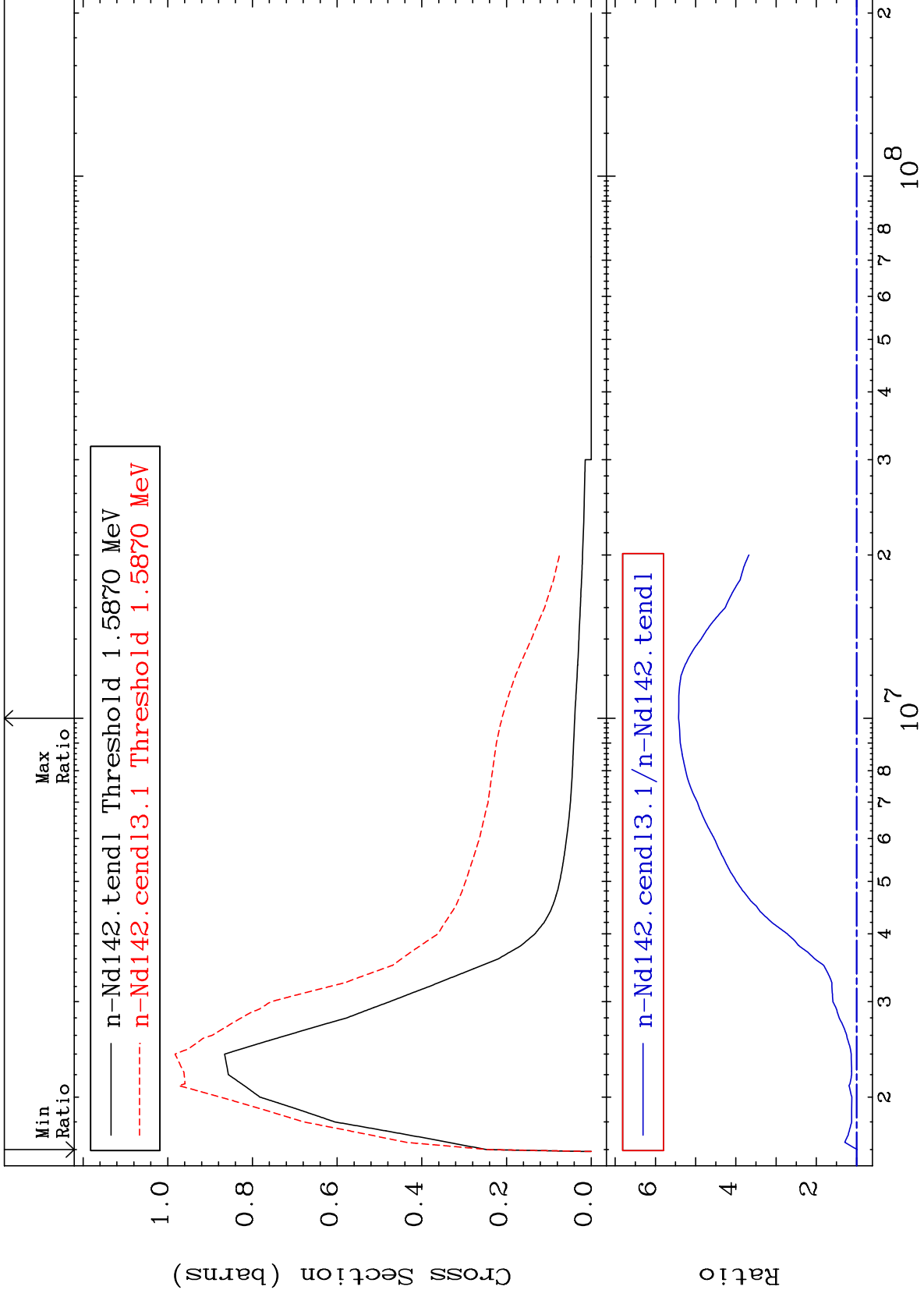
Incident Energy (eV)

60-Nd-142

MAT 6025

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

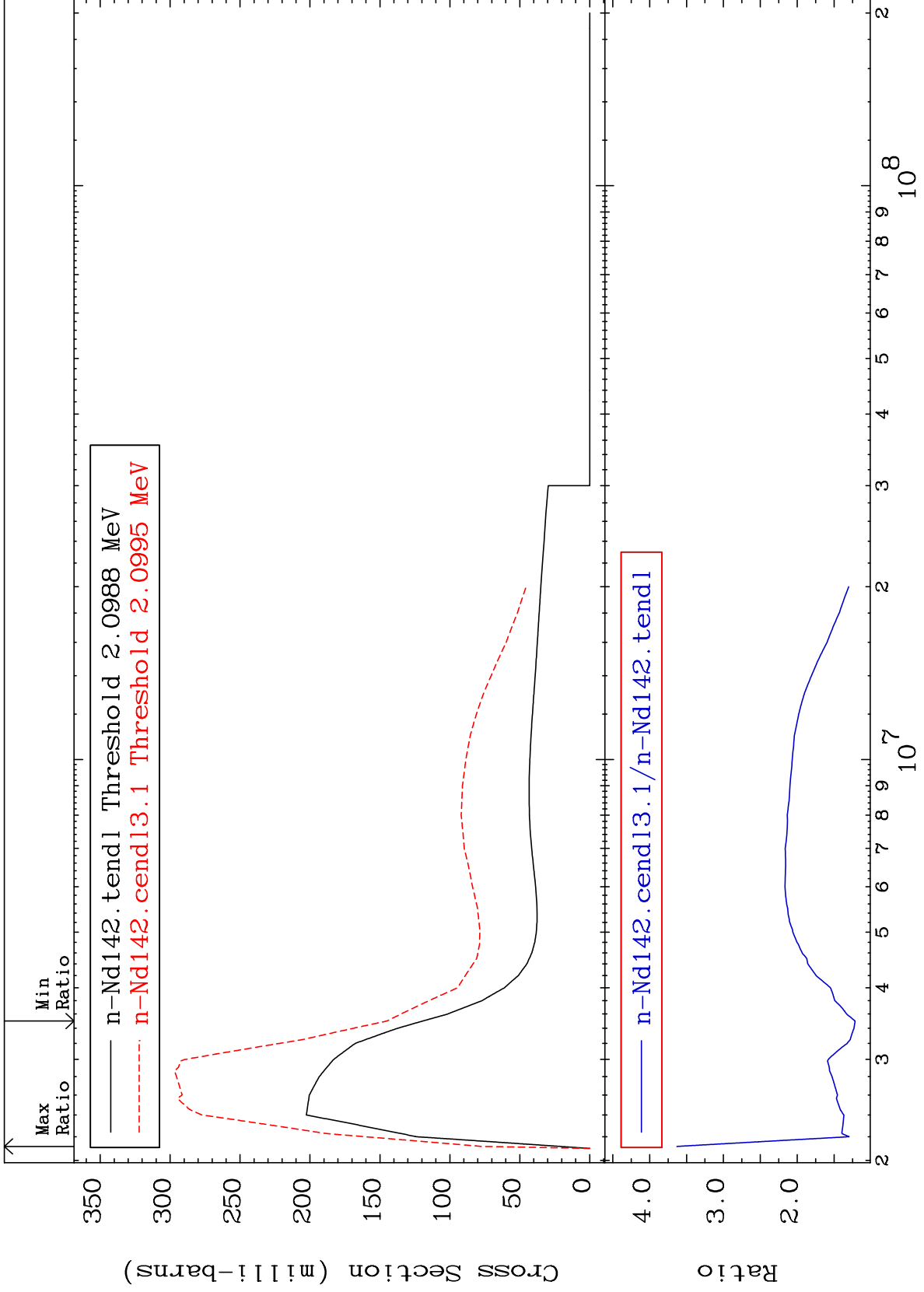
60-Nd-142
-1.676 To 442.3 %



MAT 6025

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

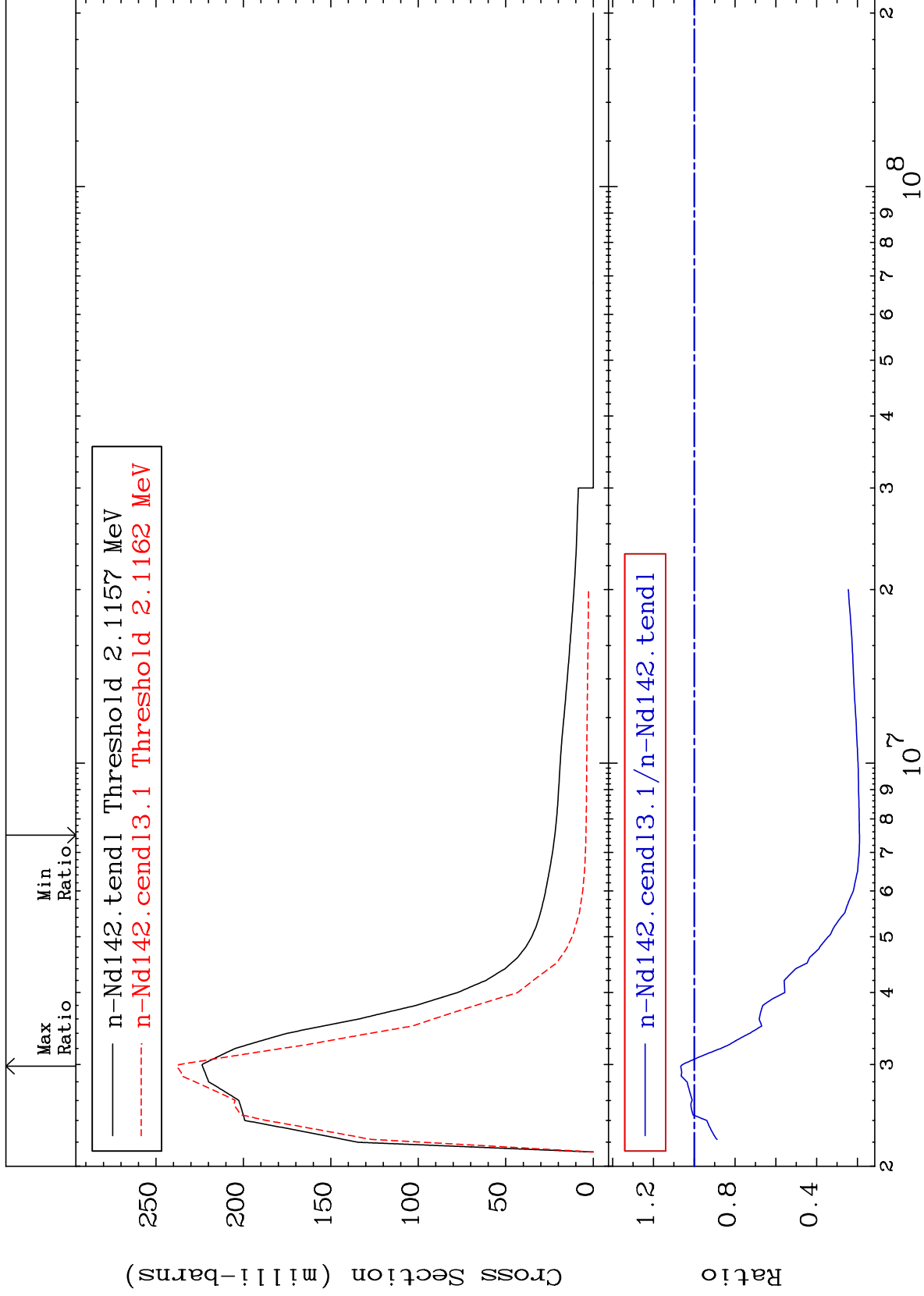
60-Nd-142
21.50 To 263.0 %



MAT 6025

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

60-Nd-142
-81.00 To 6.580 %



10

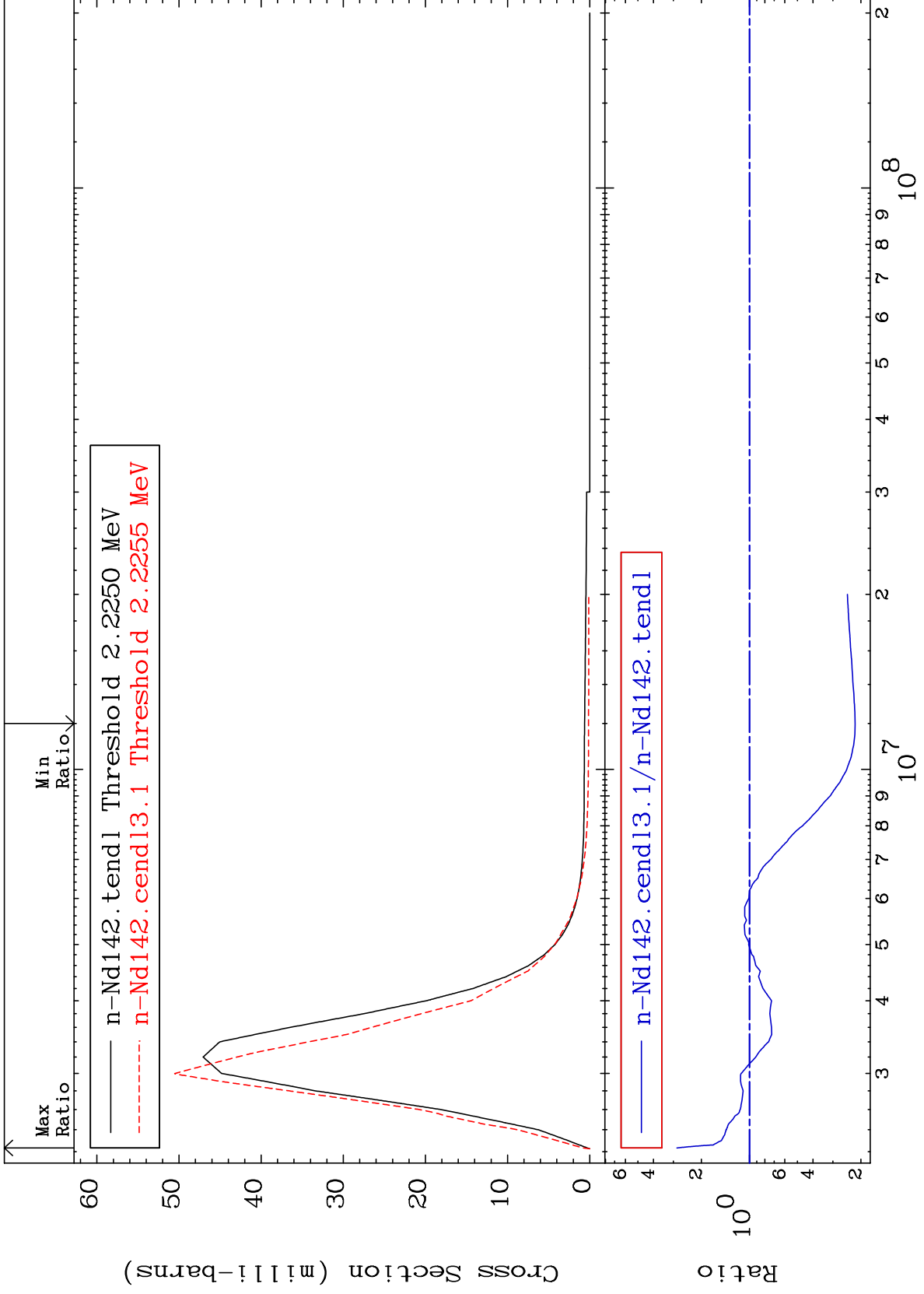
Incident Energy (eV)

60-Nd-142

MAT 6025

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

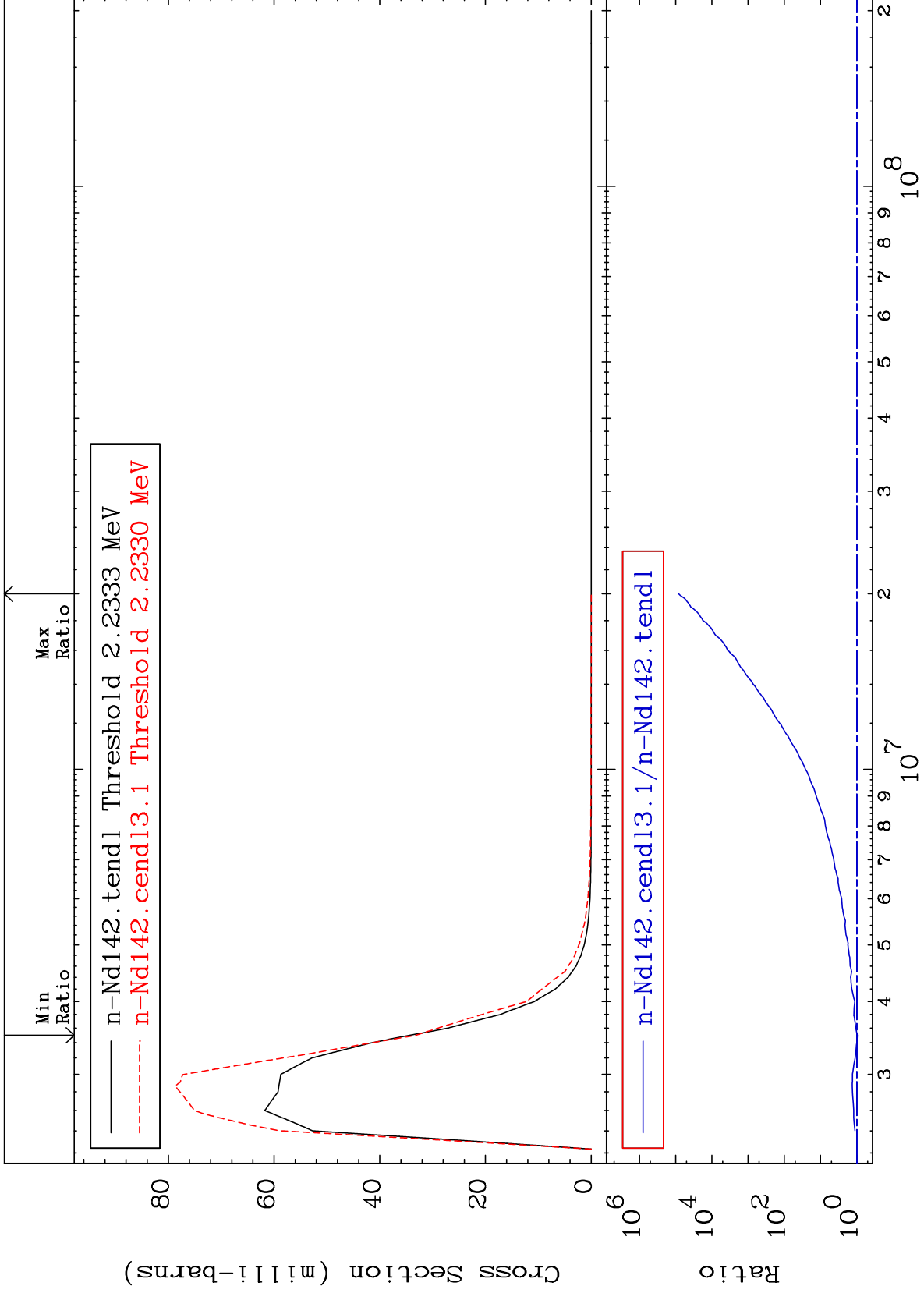
60-Nd-142
-78.23 To 184.9 %



MAT 6025

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

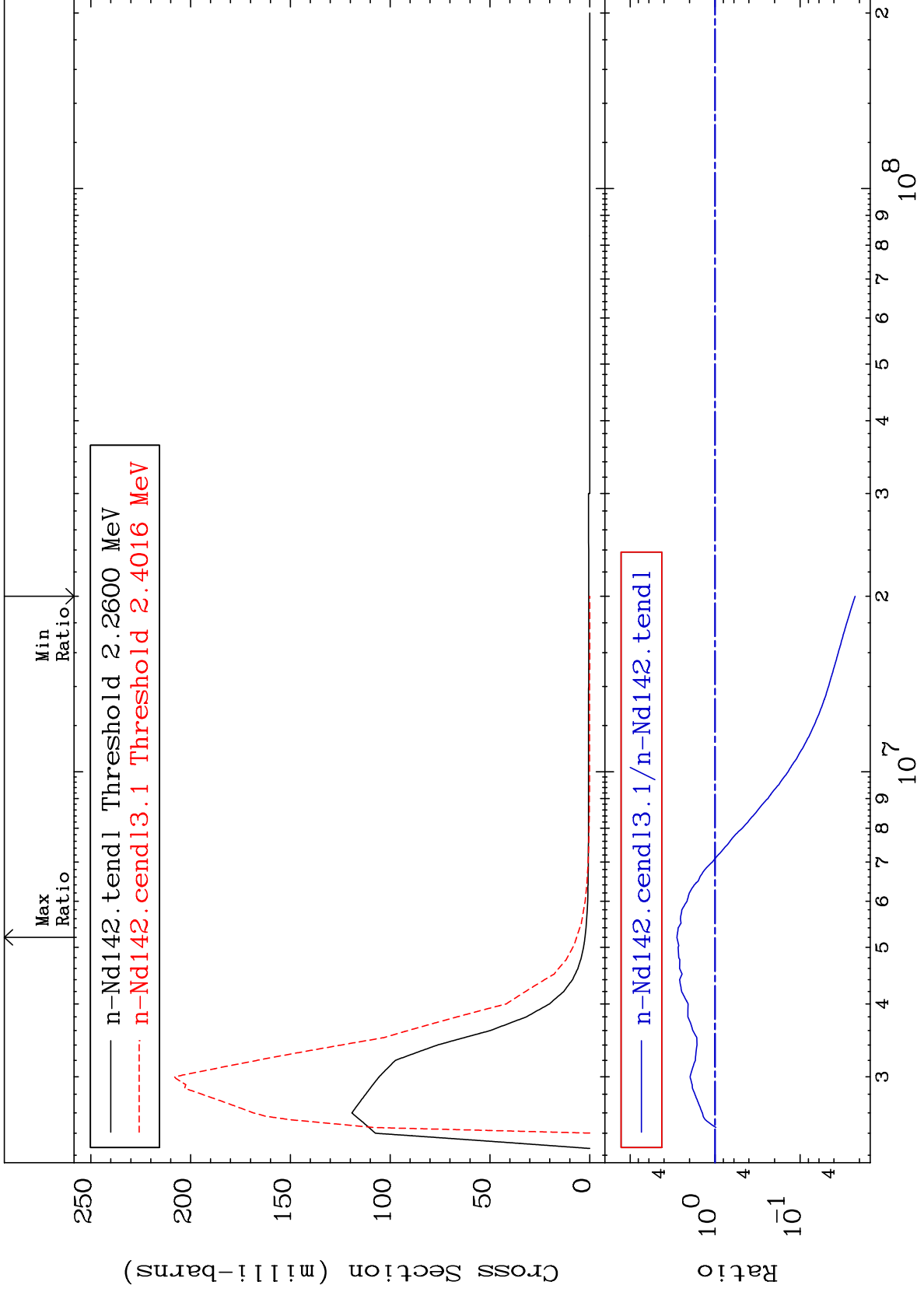
60-Nd-142
-3.230 To 9999. %



MAT 6025

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

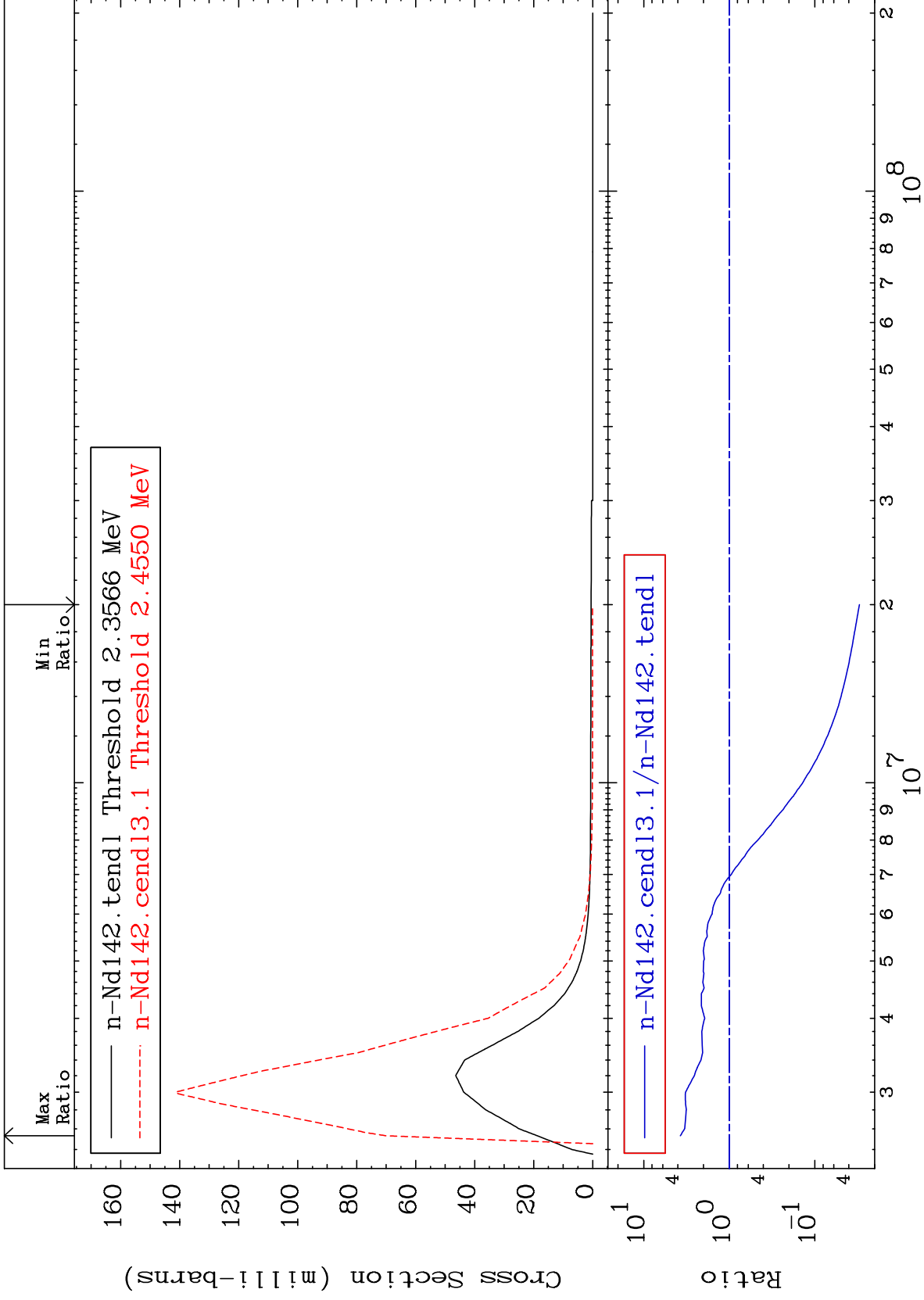
60-Nd-142
-97.74 To 181.4 %



MAT 6025

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

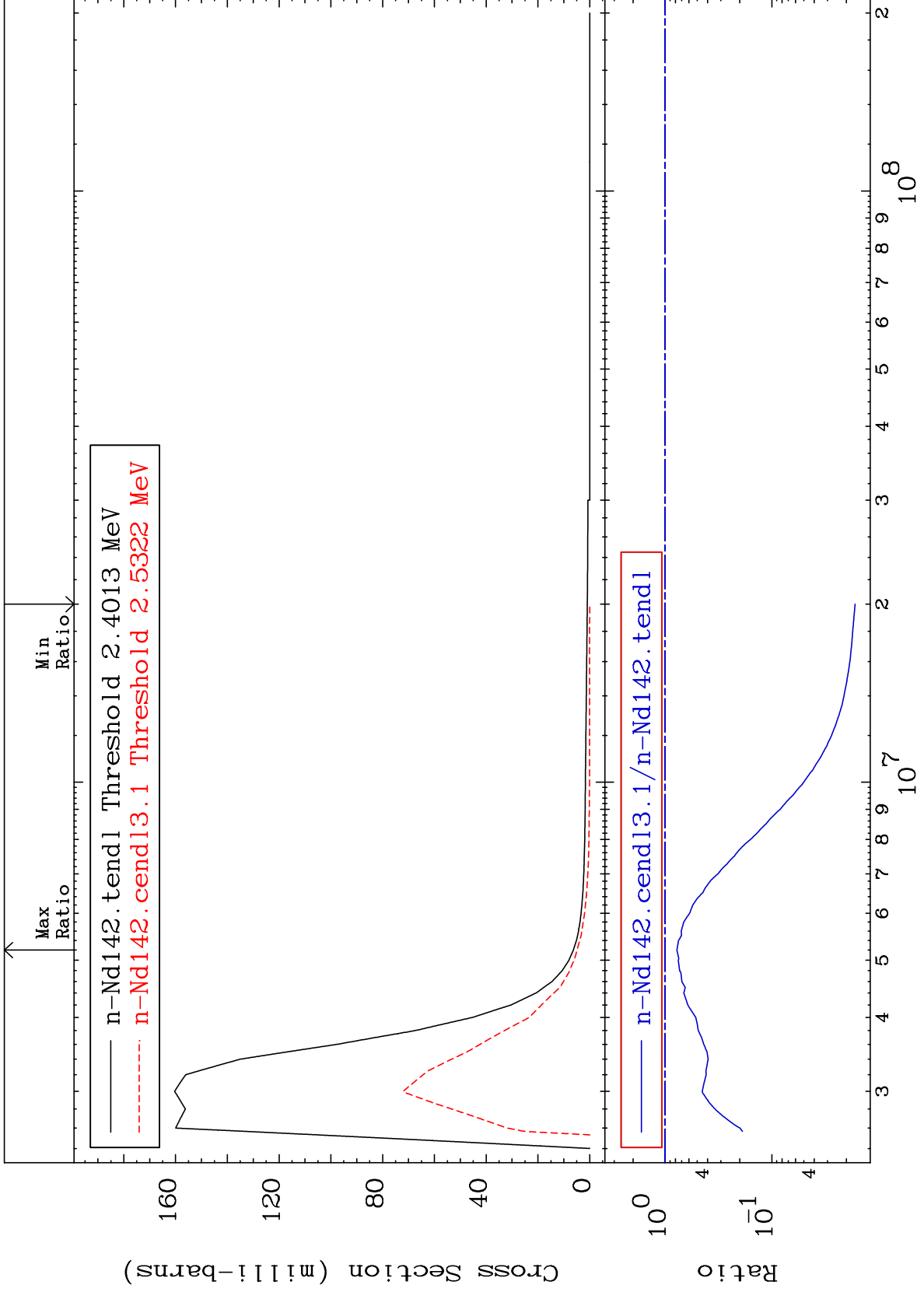
60-Nd-142
-96.99 To 273.0 %



MAT 6025

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

60-Nd-142
-98.34 To -22.44%



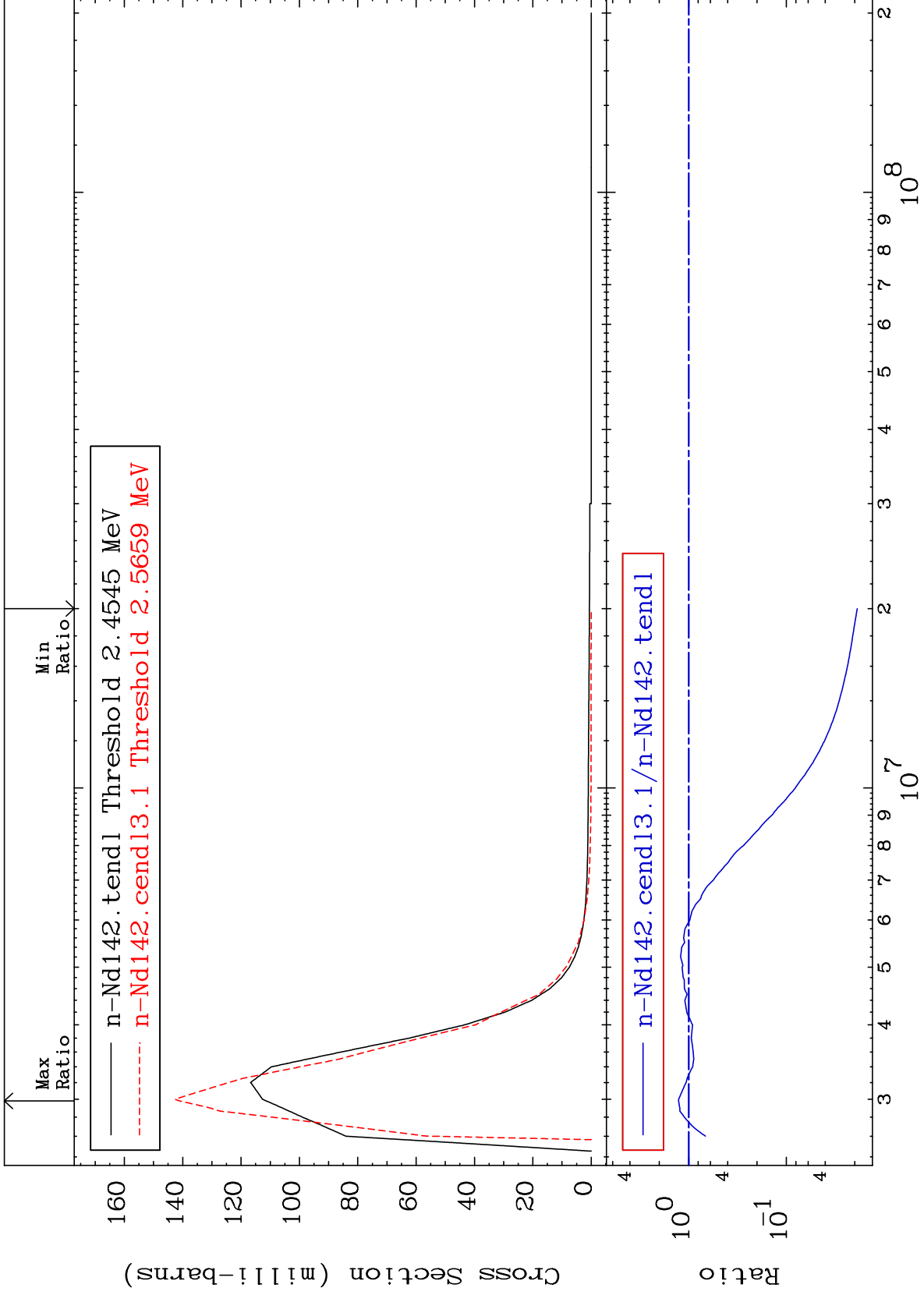
15

60-Nd-142

MAT 6025

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

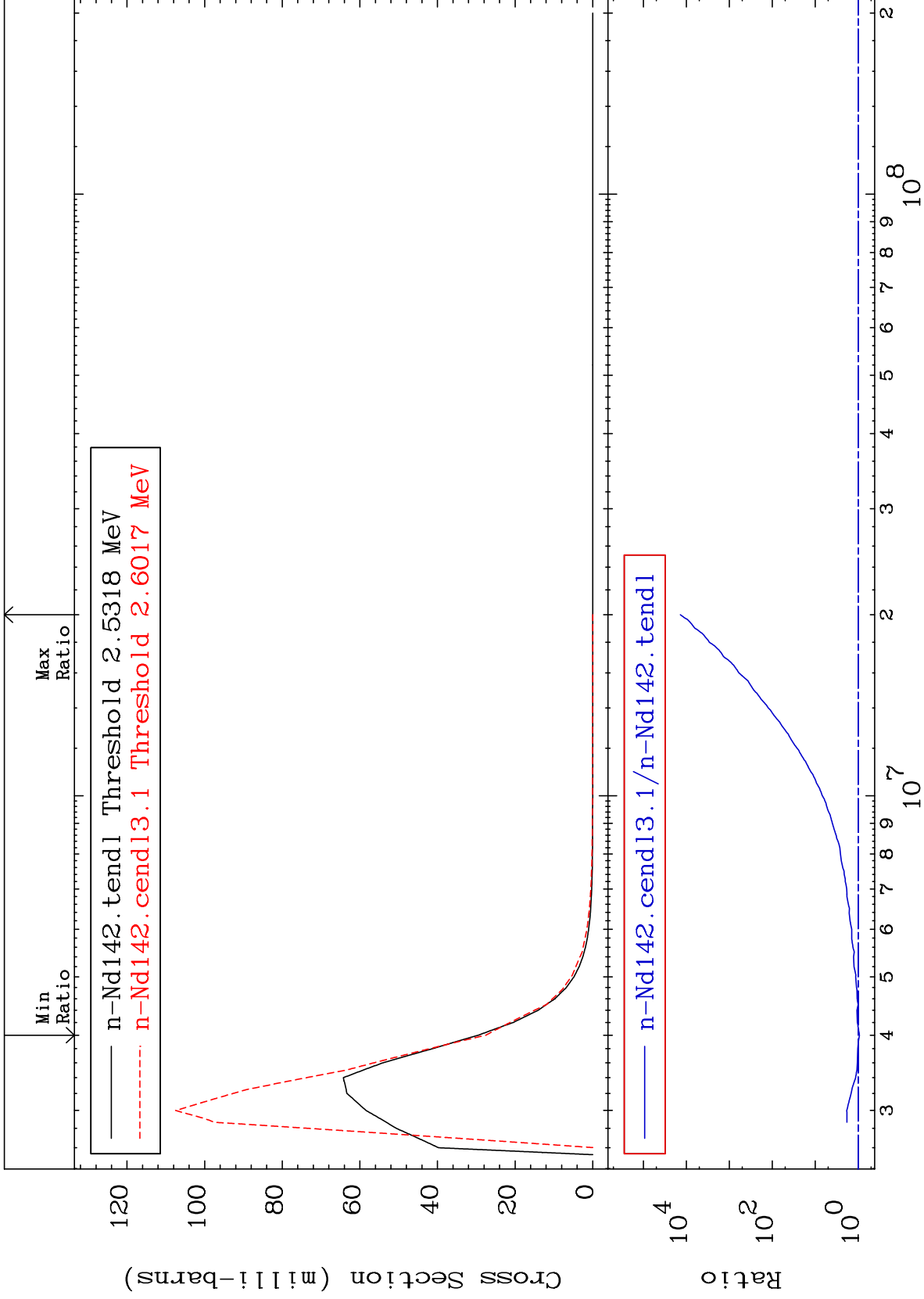
60-Nd-142
-98.11 To 26.75 %



MAT 6025

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

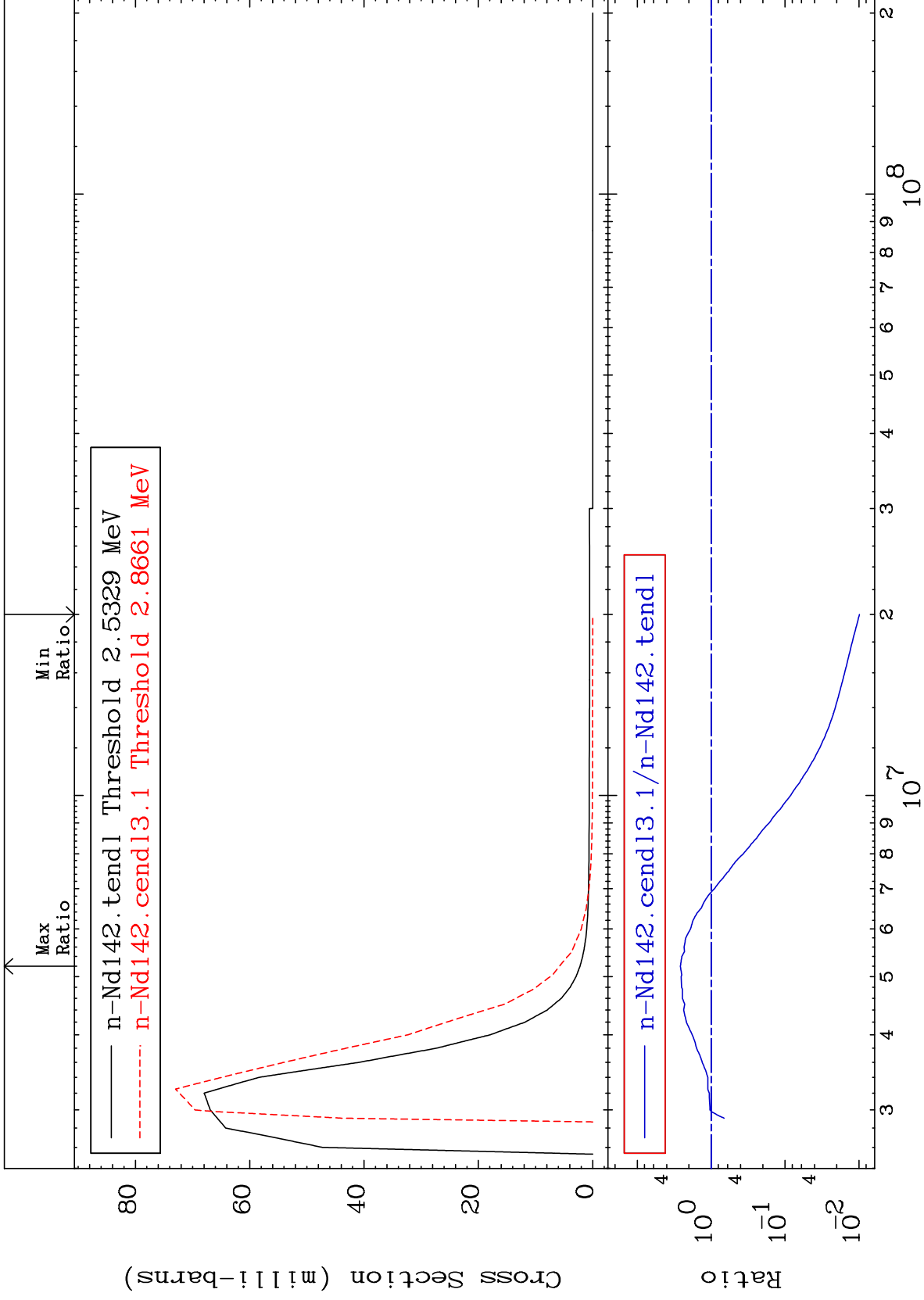
60-Nd-142
-6.545 To 9999. %



MAT 6025

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

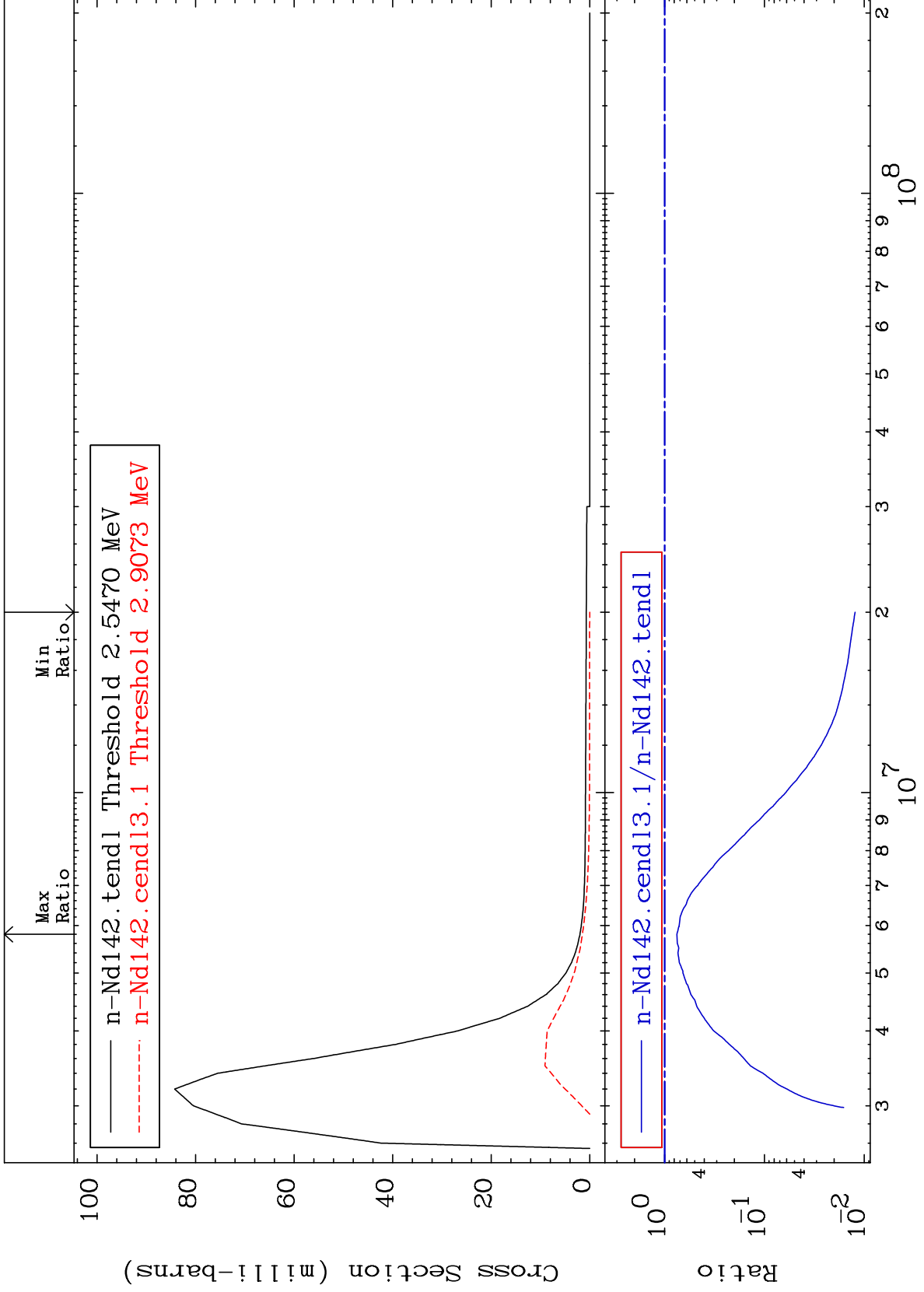
60-Nd-142
-99.01 To 161.4 %



MAT 6025

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

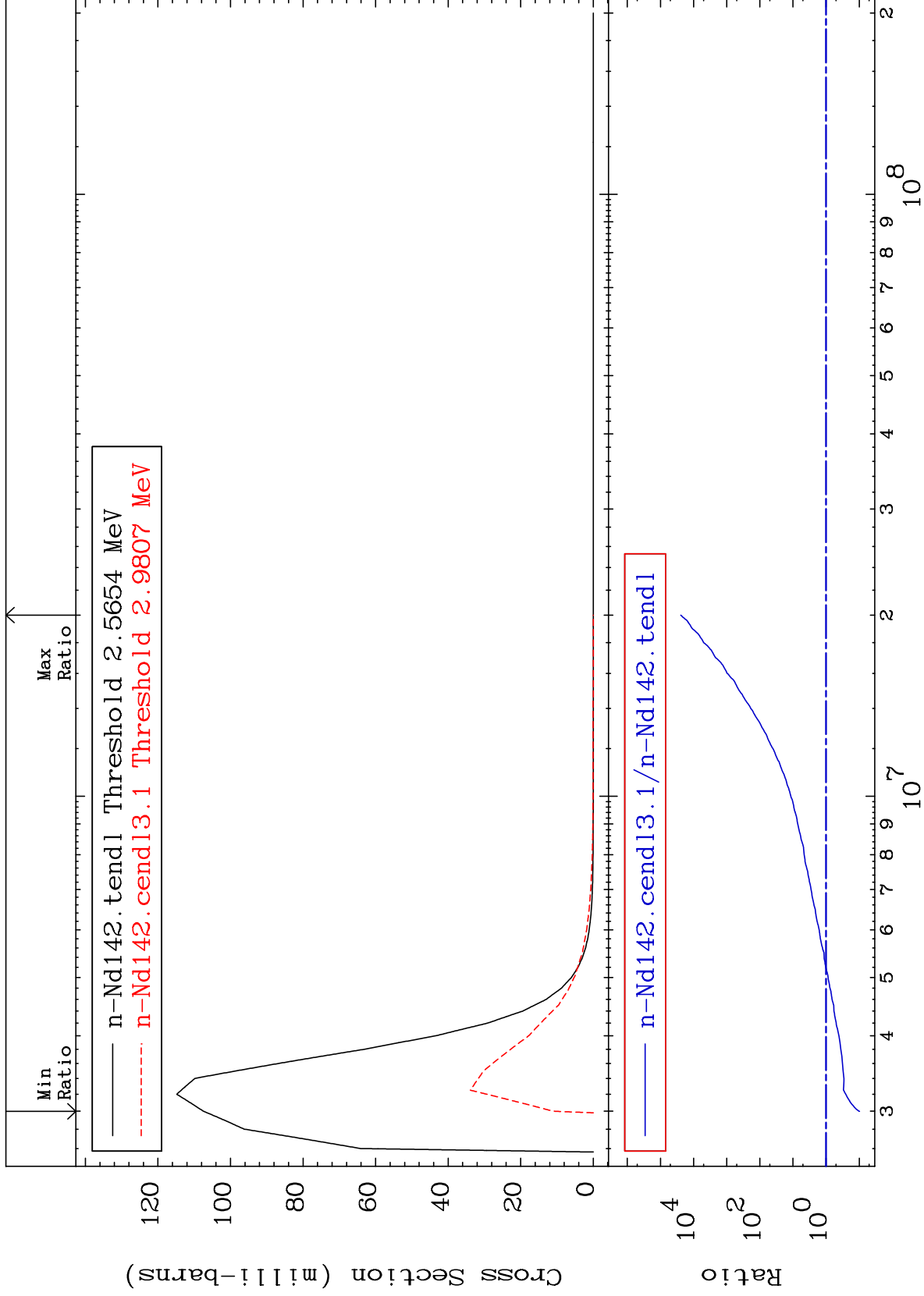
60-Nd-142
-98.77 To -24.74%



MAT 6025

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

60-Nd-142
-90.21 To 9999. %



20

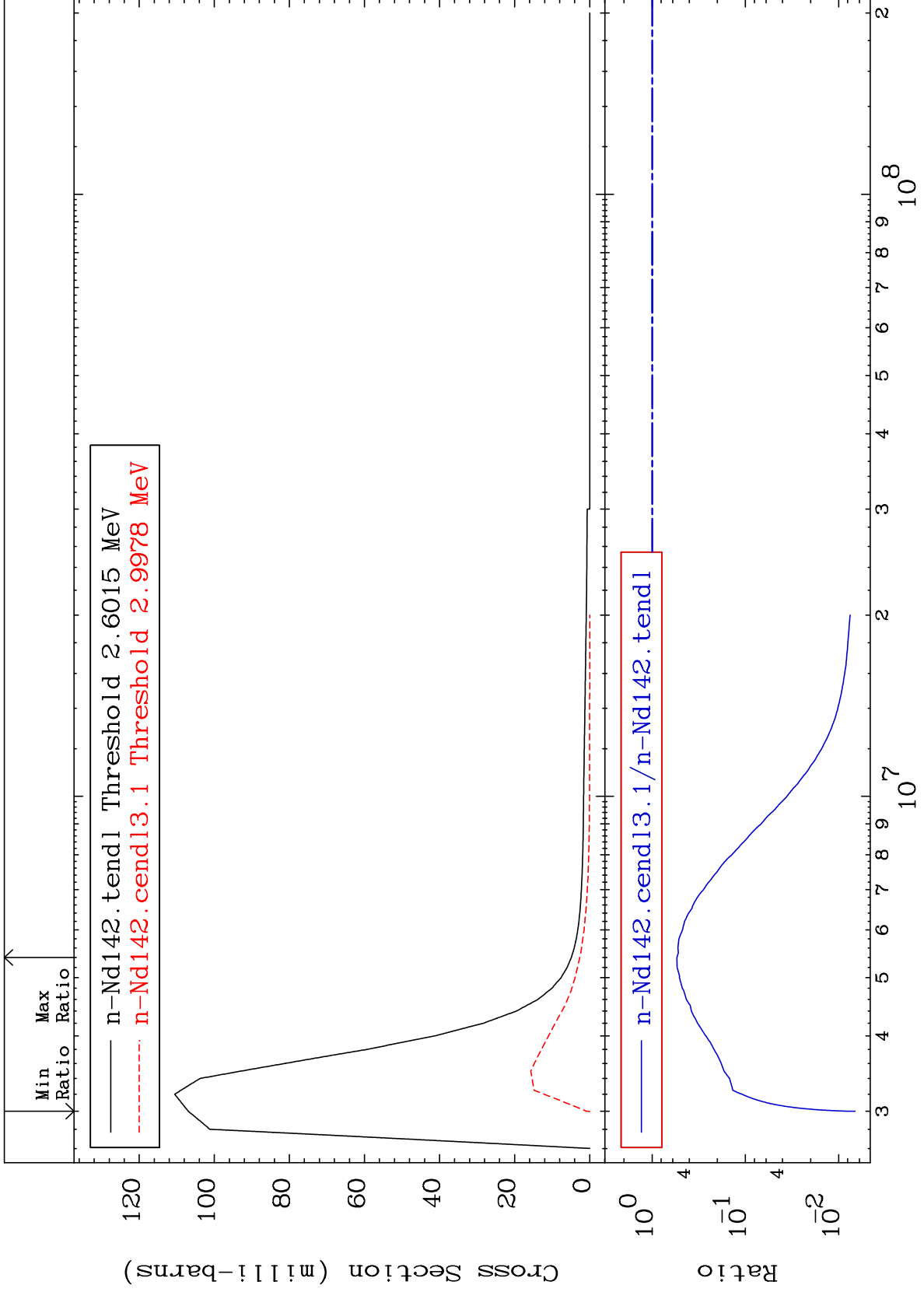
Incident Energy (eV)

60-Nd-142

MAT 6025

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

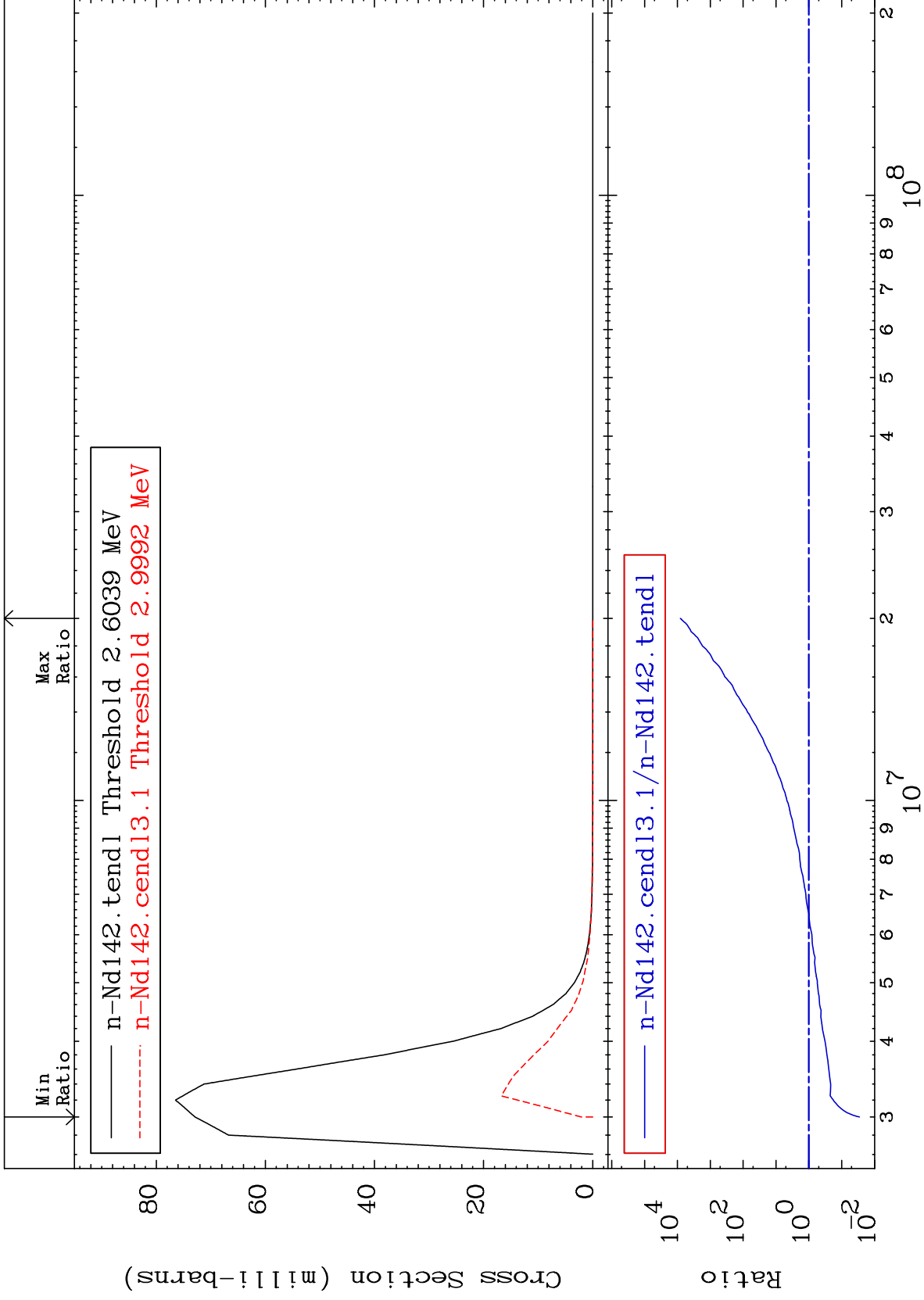
60-Nd-142
-99.33 To -45.81%



MAT 6025

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

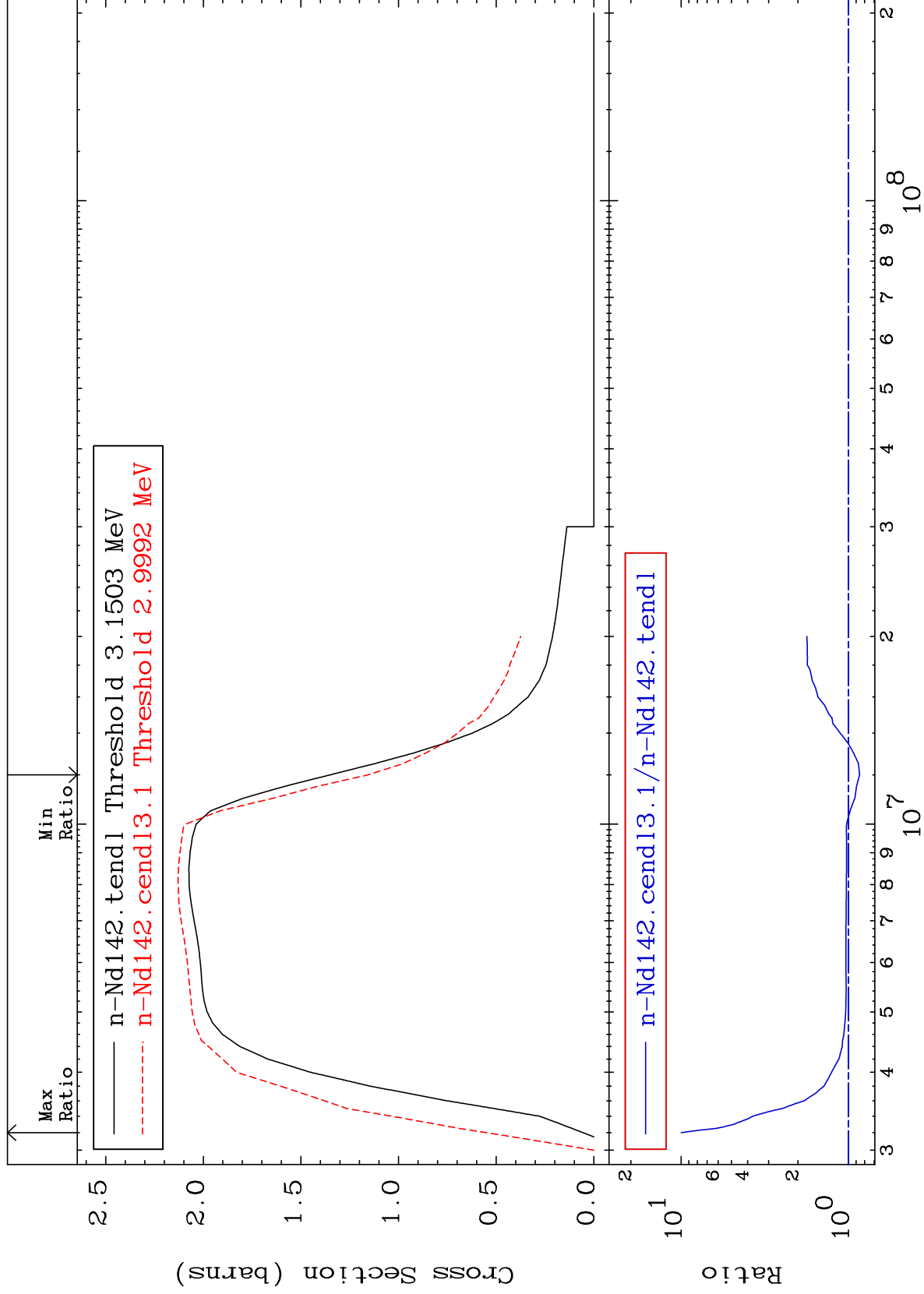
60-Nd-142
-97.11 To 9999. %



MAT 6025

(n, n') Continuum
Cross Section

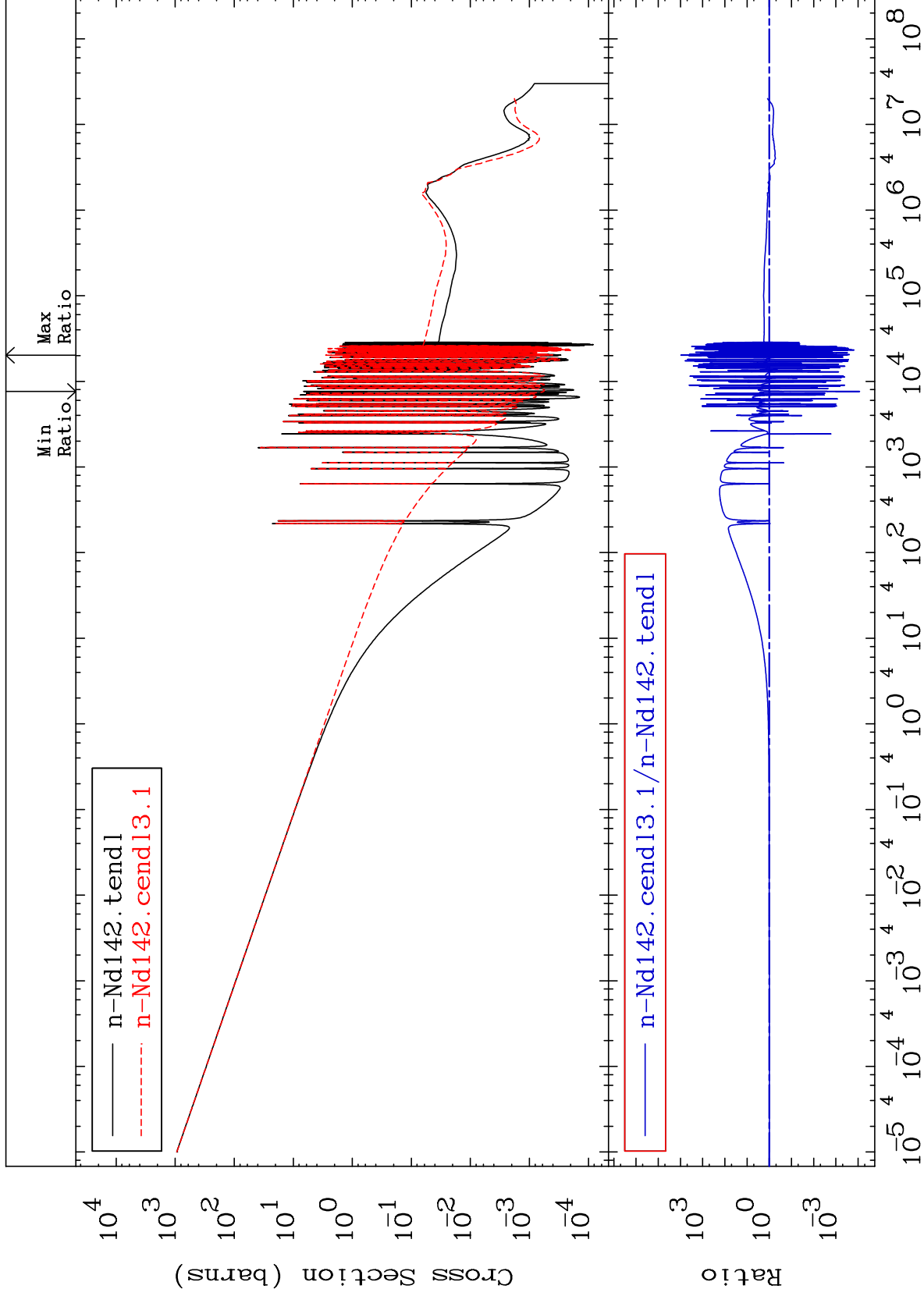
60-Nd-142
-14.39 To 899.0 %



MAT 6025

(n, γ)
Cross Section

60-Nd-142
-99.99 To 9999. %



24

Incident Energy (eV)

60-Nd-142

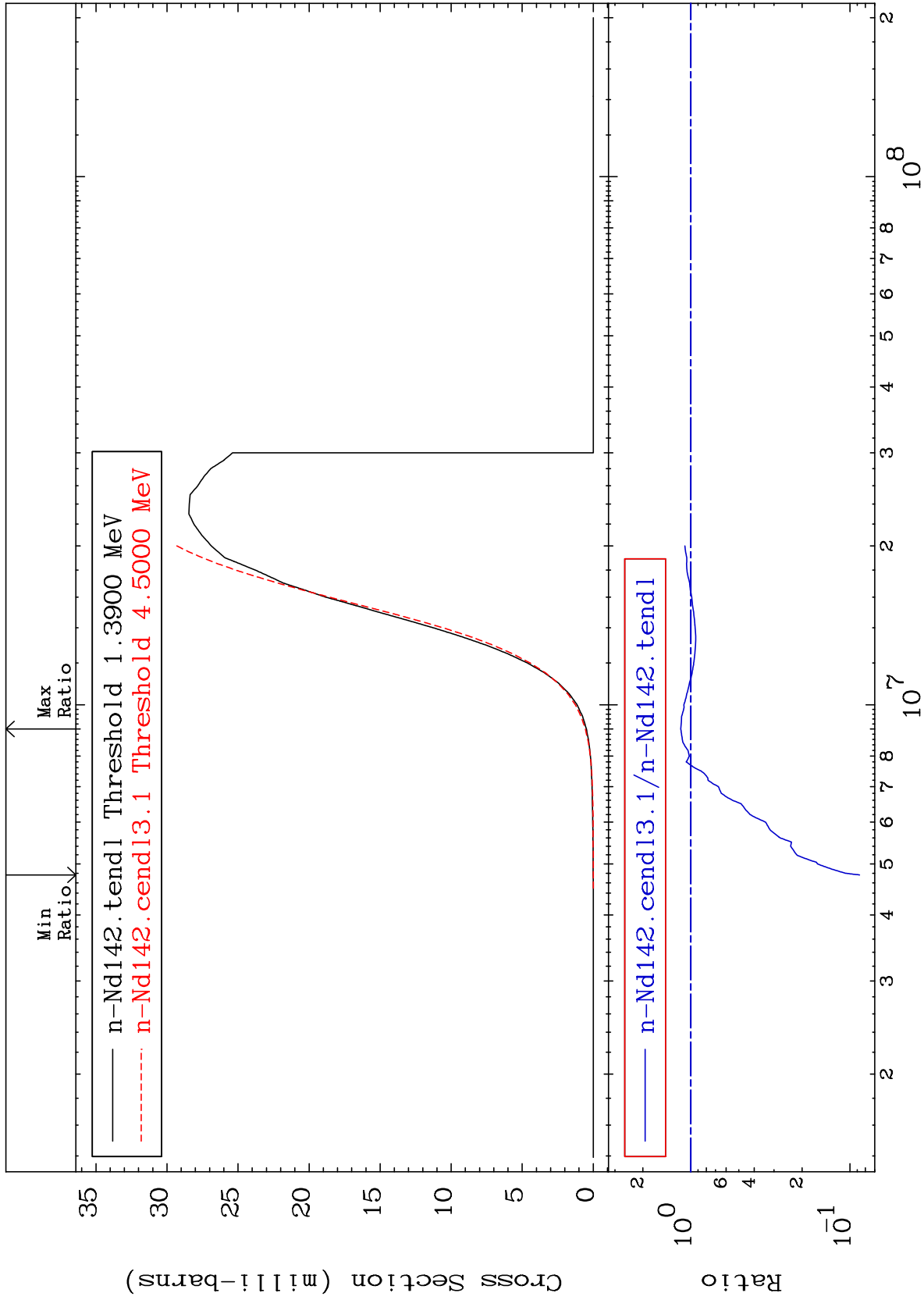
MAT 6025

60-Nd-142

-91.28 To 15.64 %

(n,p)

Cross Section



25

Incident Energy (eV)

60-Nd-142

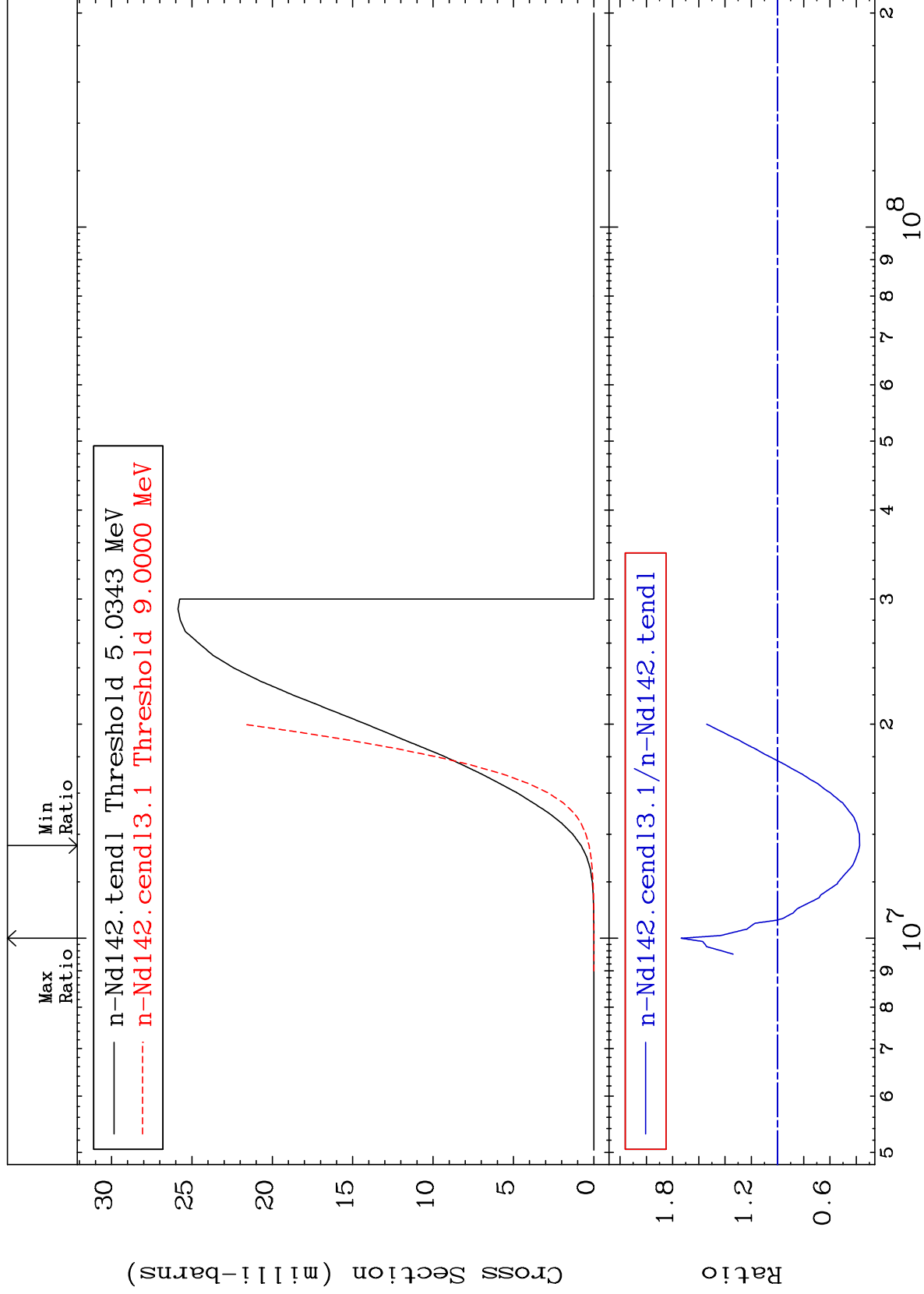
MAT 6025

(n, d)

60-Nd-142

Cross Section

-62.61 To 73.44 %



26

Incident Energy (eV)

60-Nd-142

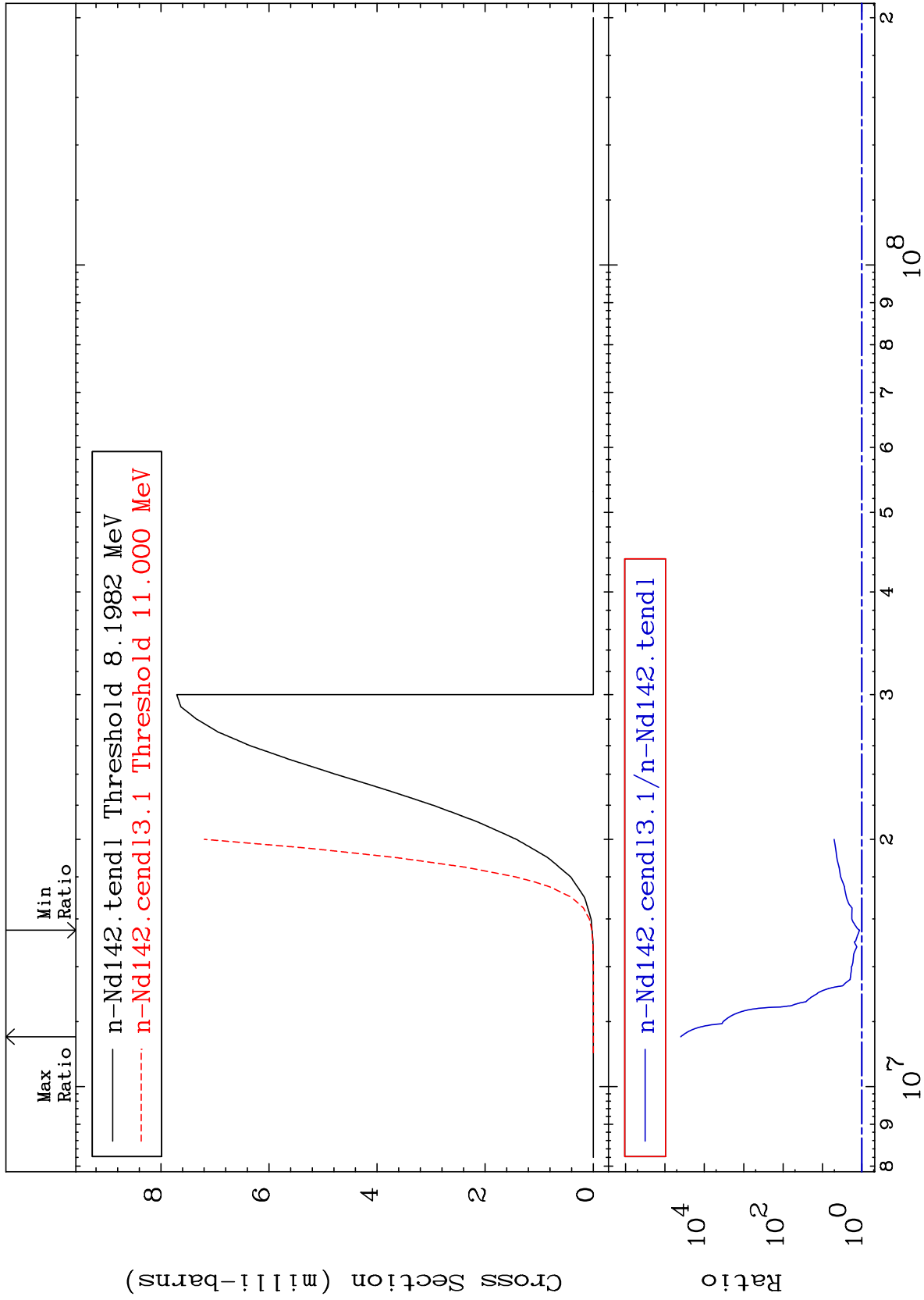
MAT 6025

(n, t)

60-Nd-142

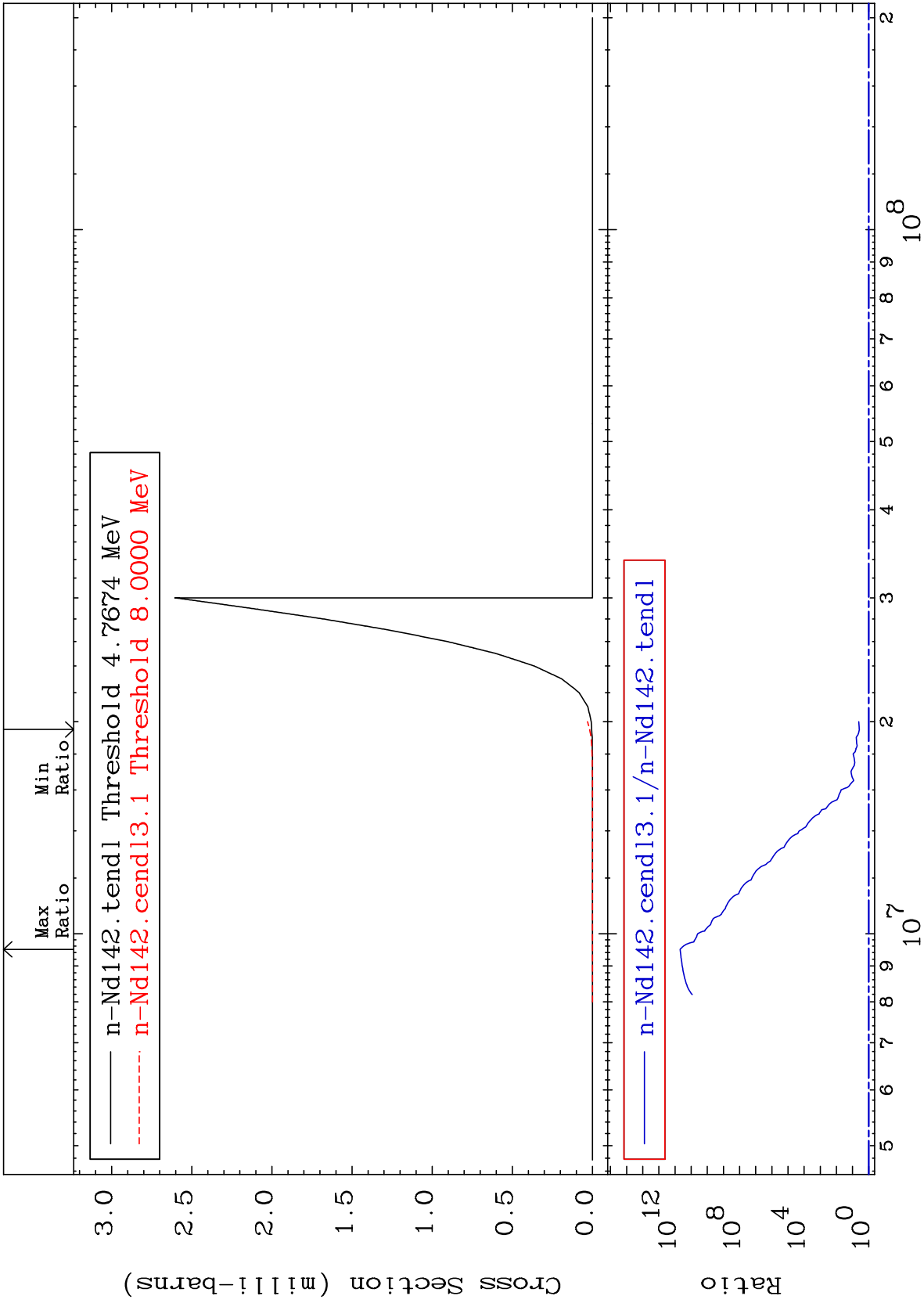
Cross Section

14.63 To 9999. %



Cross Section

278.4 To 9999. %



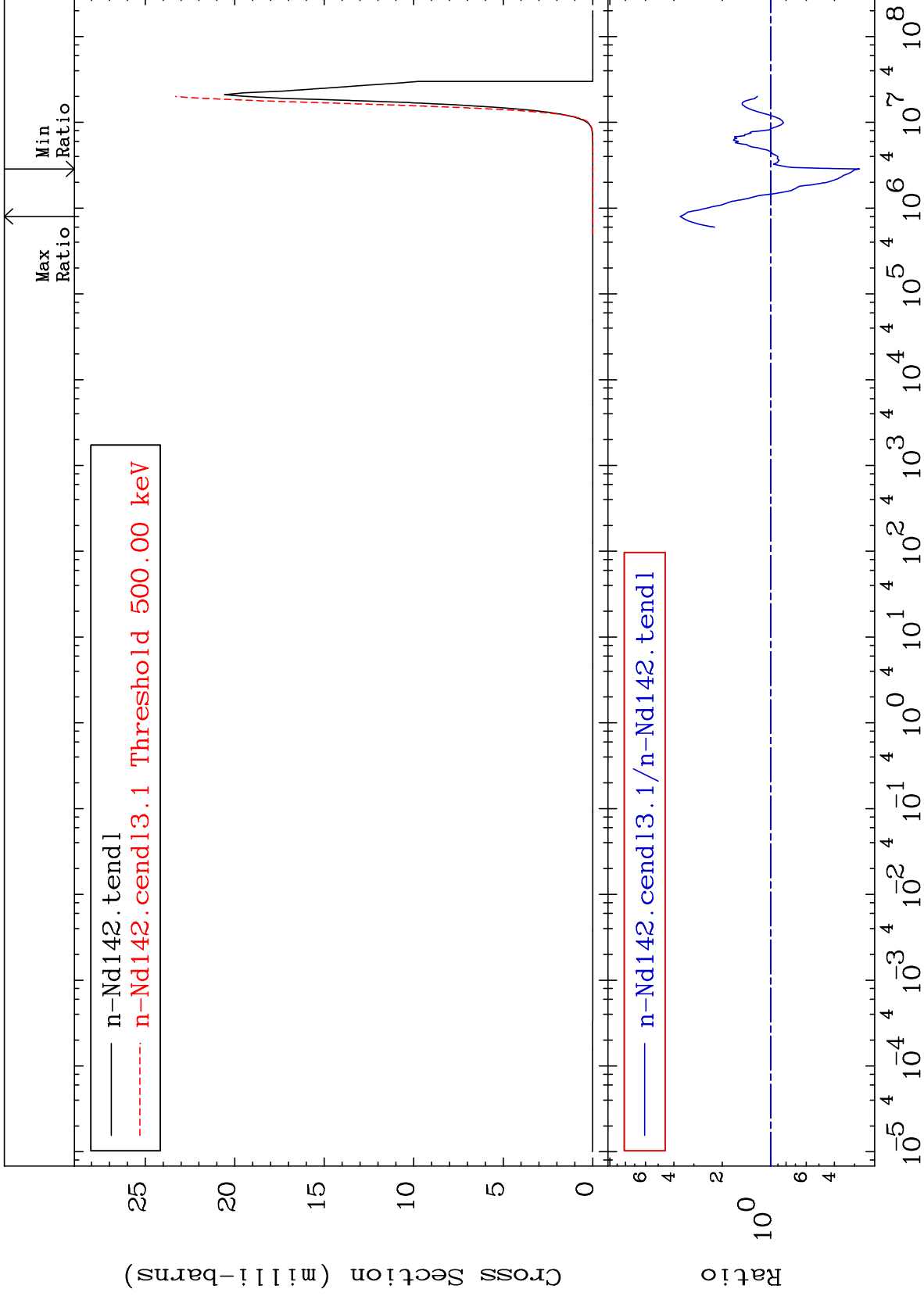
MAT 6025

(n, α)

60-Nd-142

Cross Section

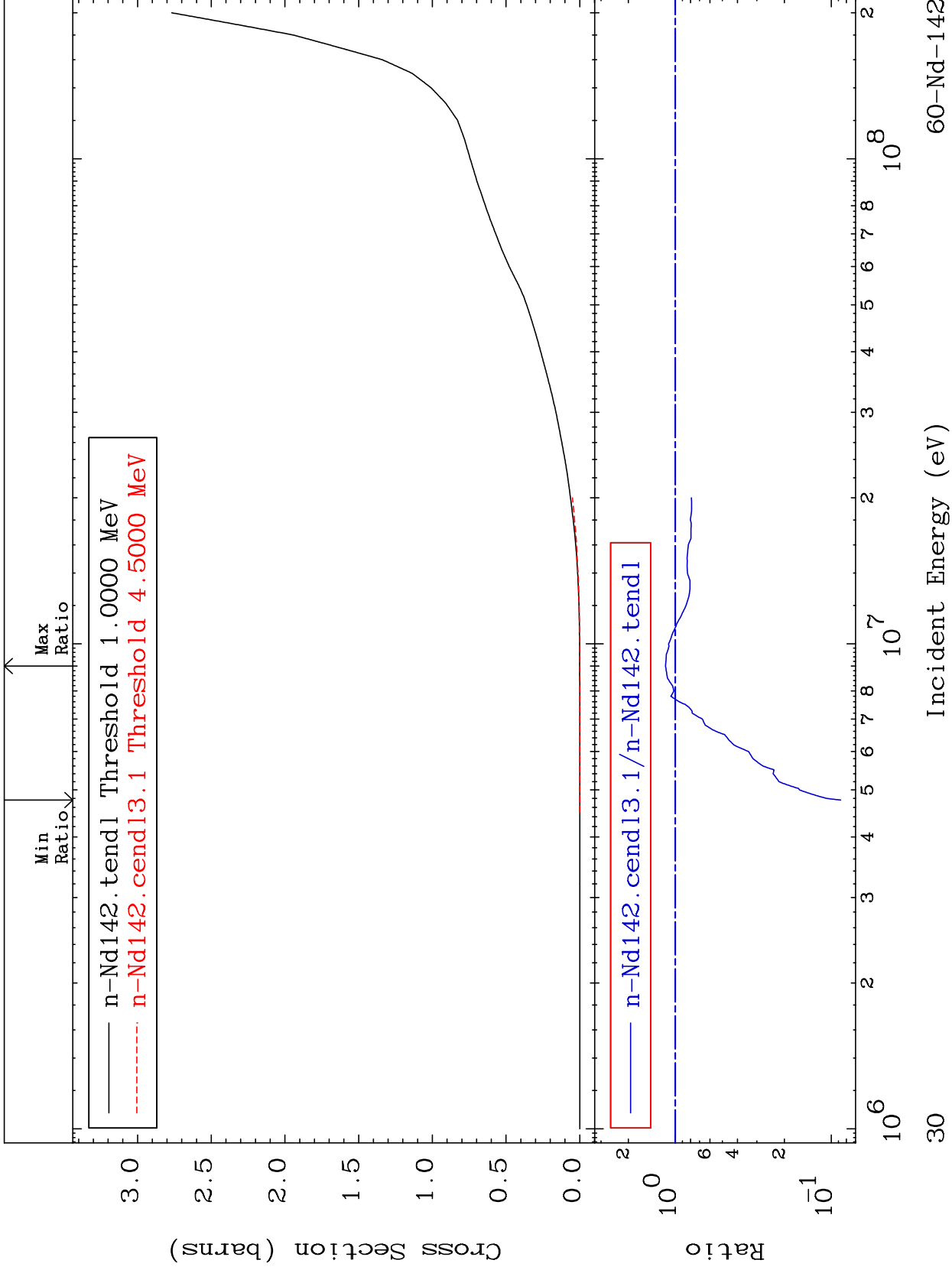
-72.02 To 264.1 %

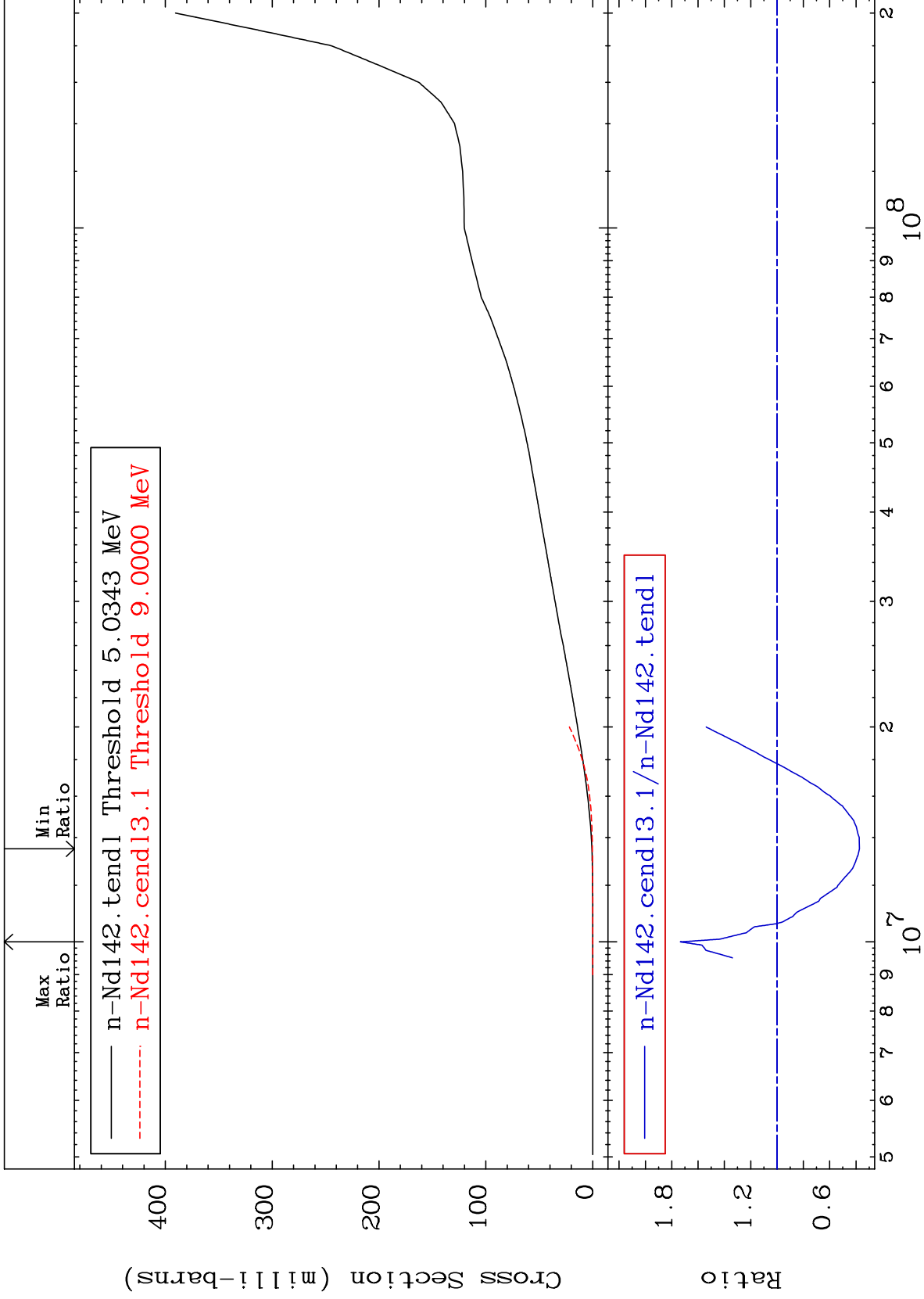


MAT 6025

Hydrogen Production
Cross Section

60-Nd-142
-91.28 To 15.64 %

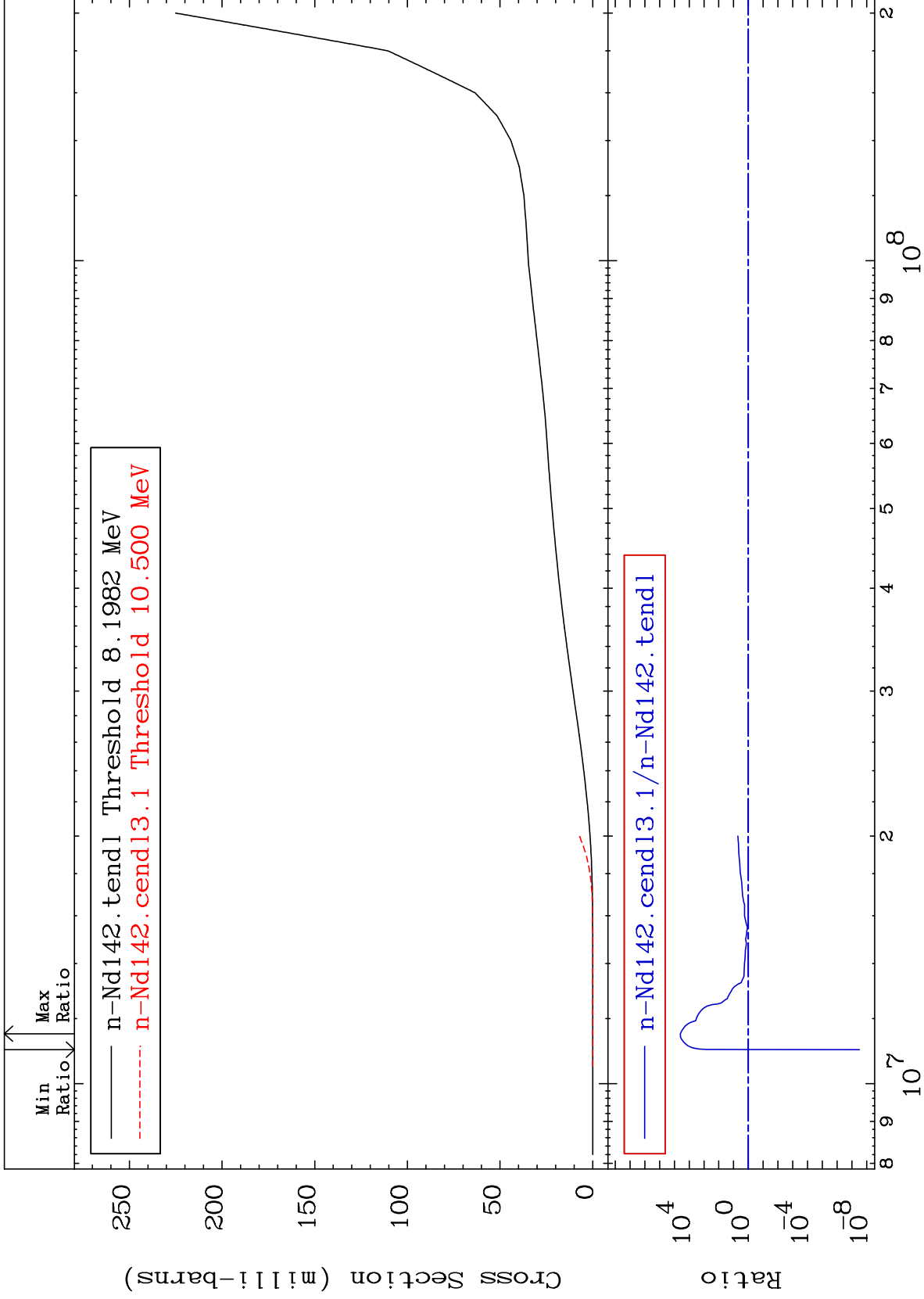




MAT 6025

Tritium Production
Cross Section

60-Nd-142
-100.0 To 9999. %



32

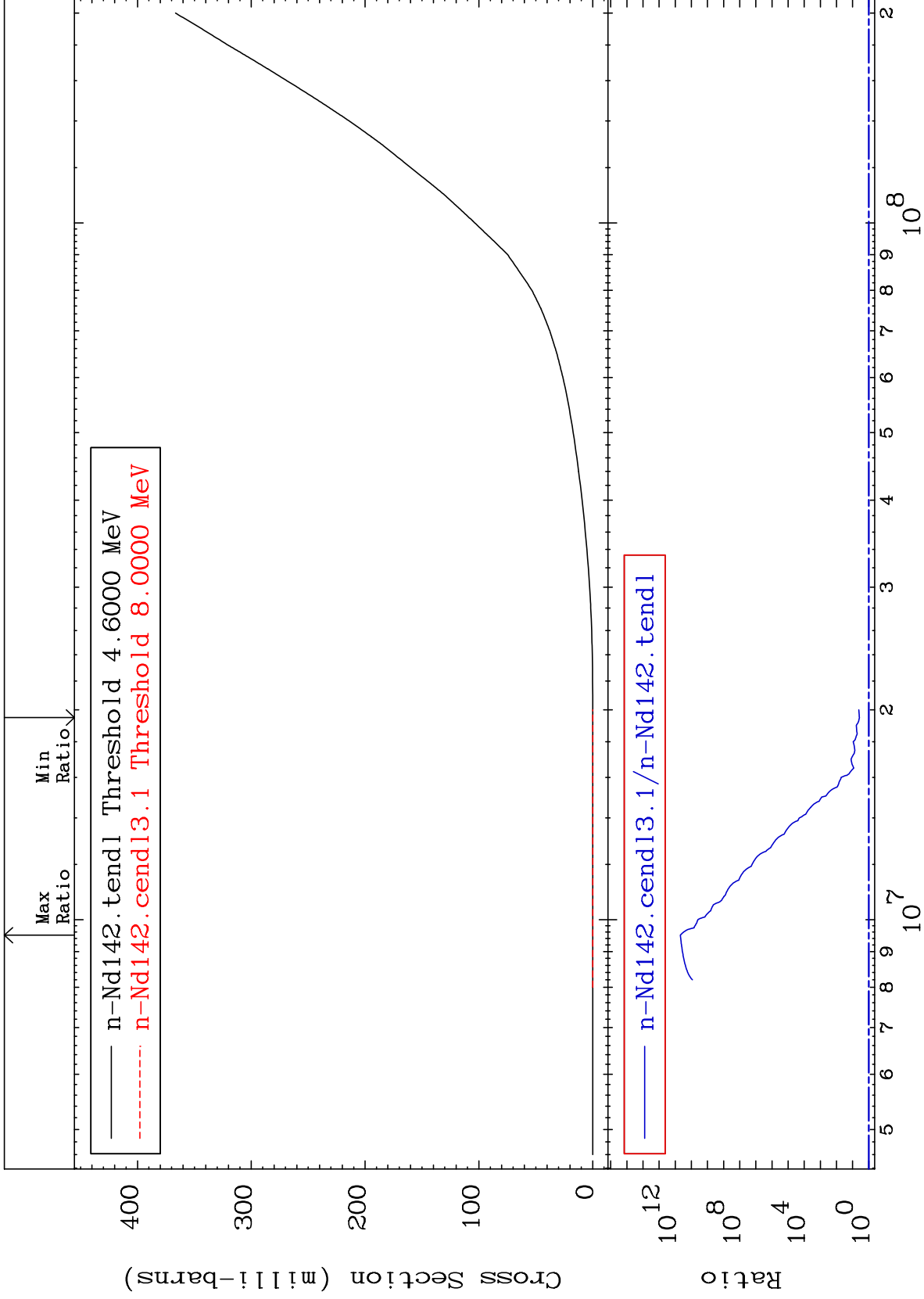
Incident Energy (eV)

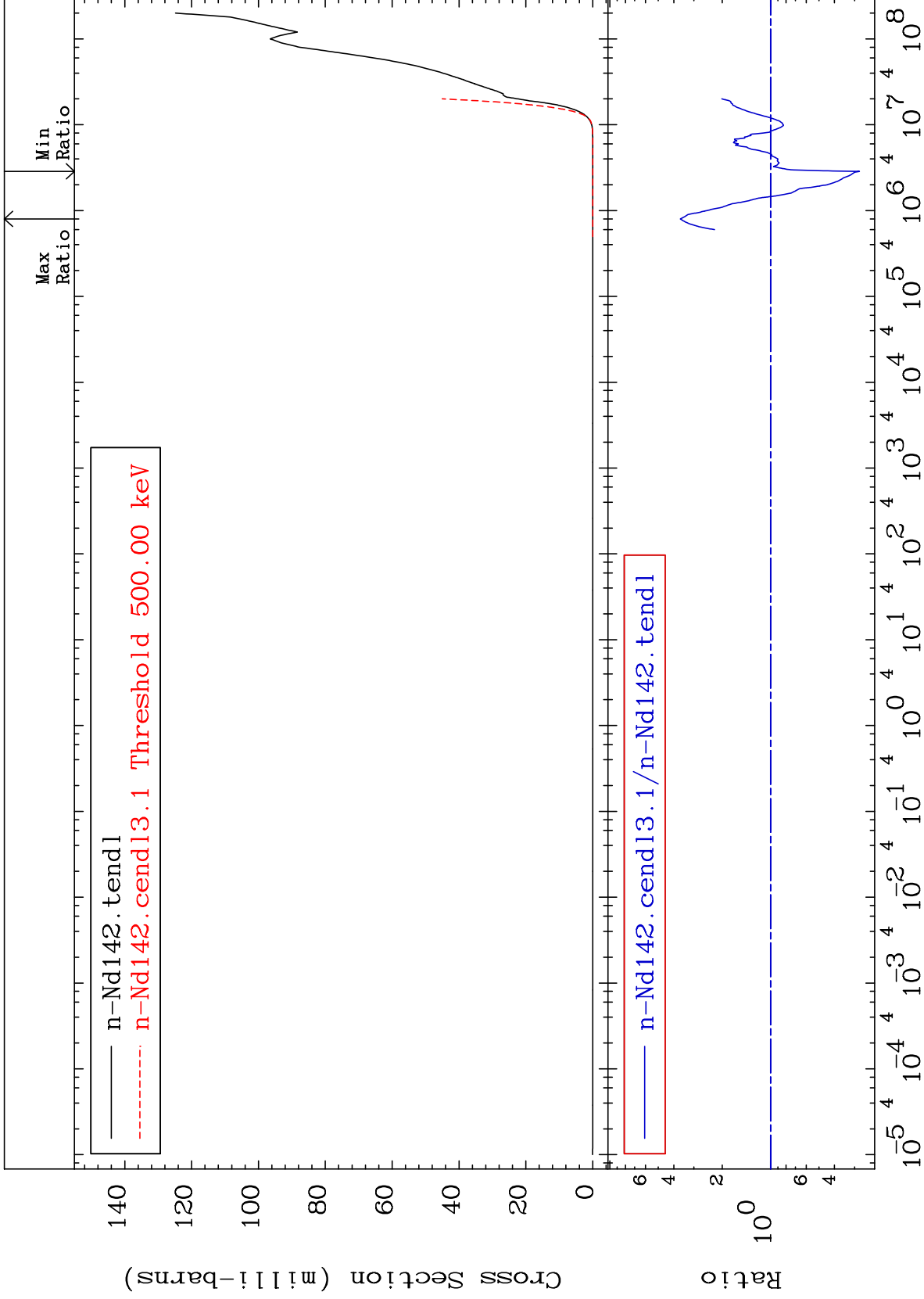
60-Nd-142

MAT 6025

He-3 Production
Cross Section

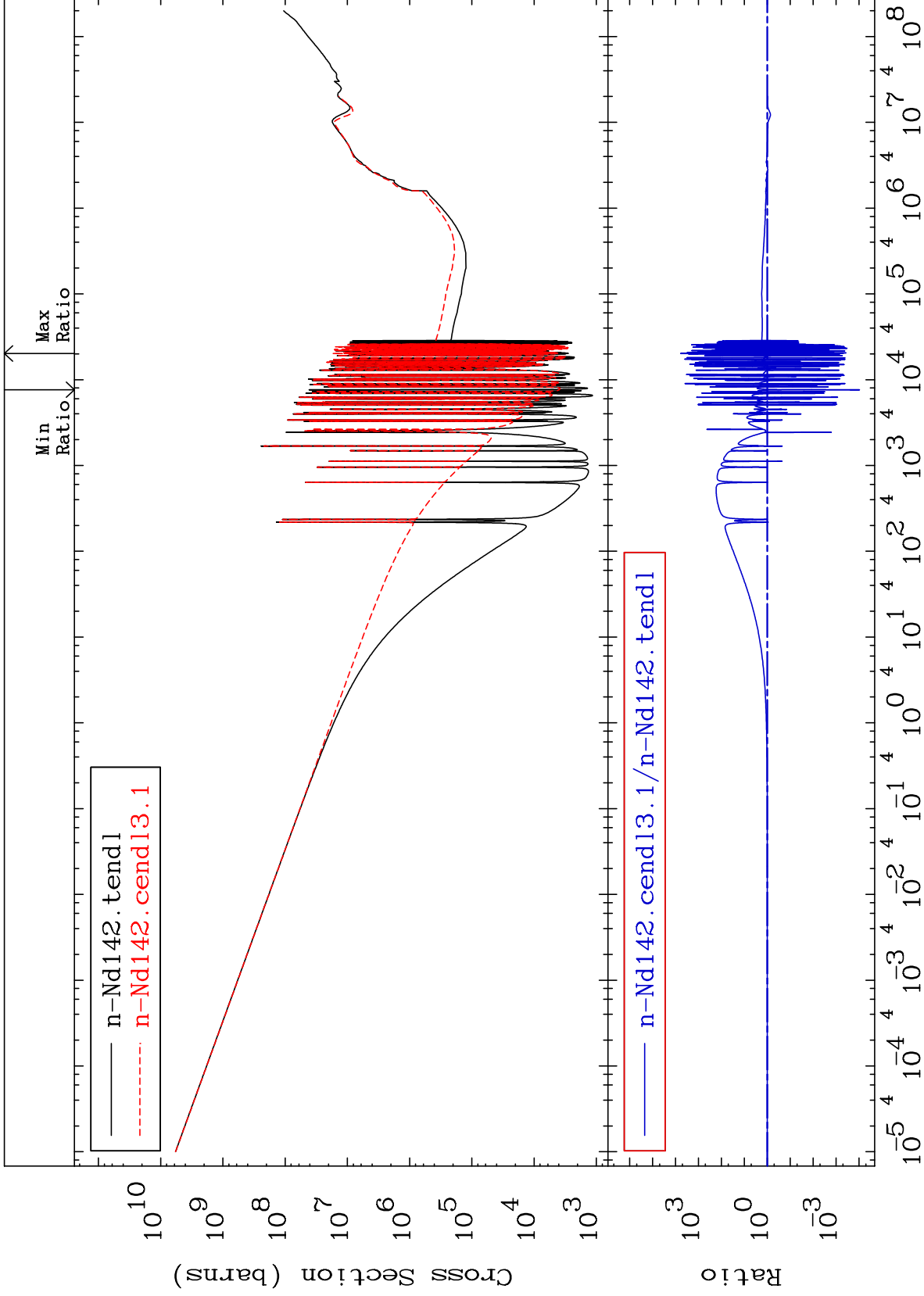
60-Nd-142
278.4 To 9999. %





Cross Section

-99.99 To 9999. %

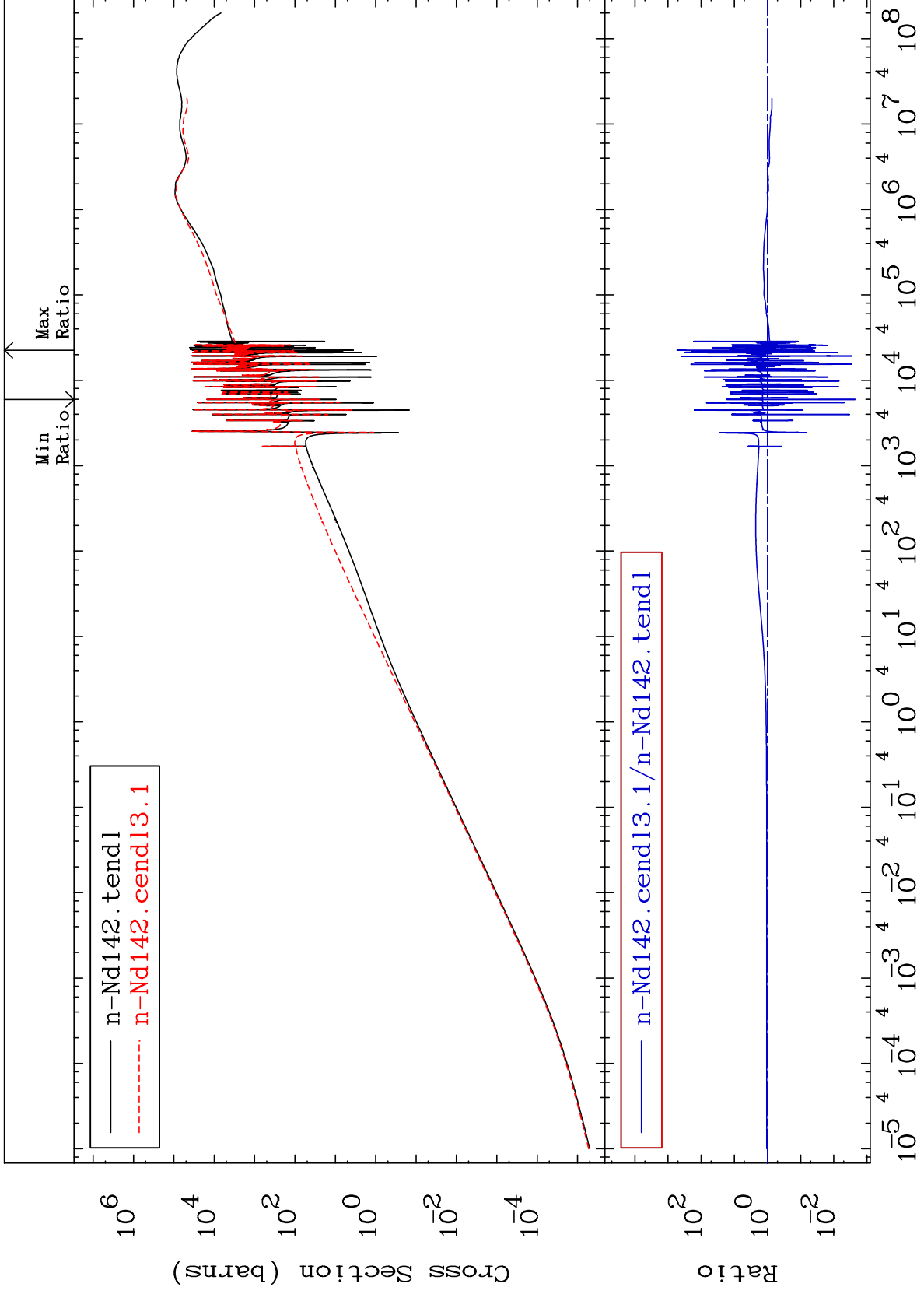


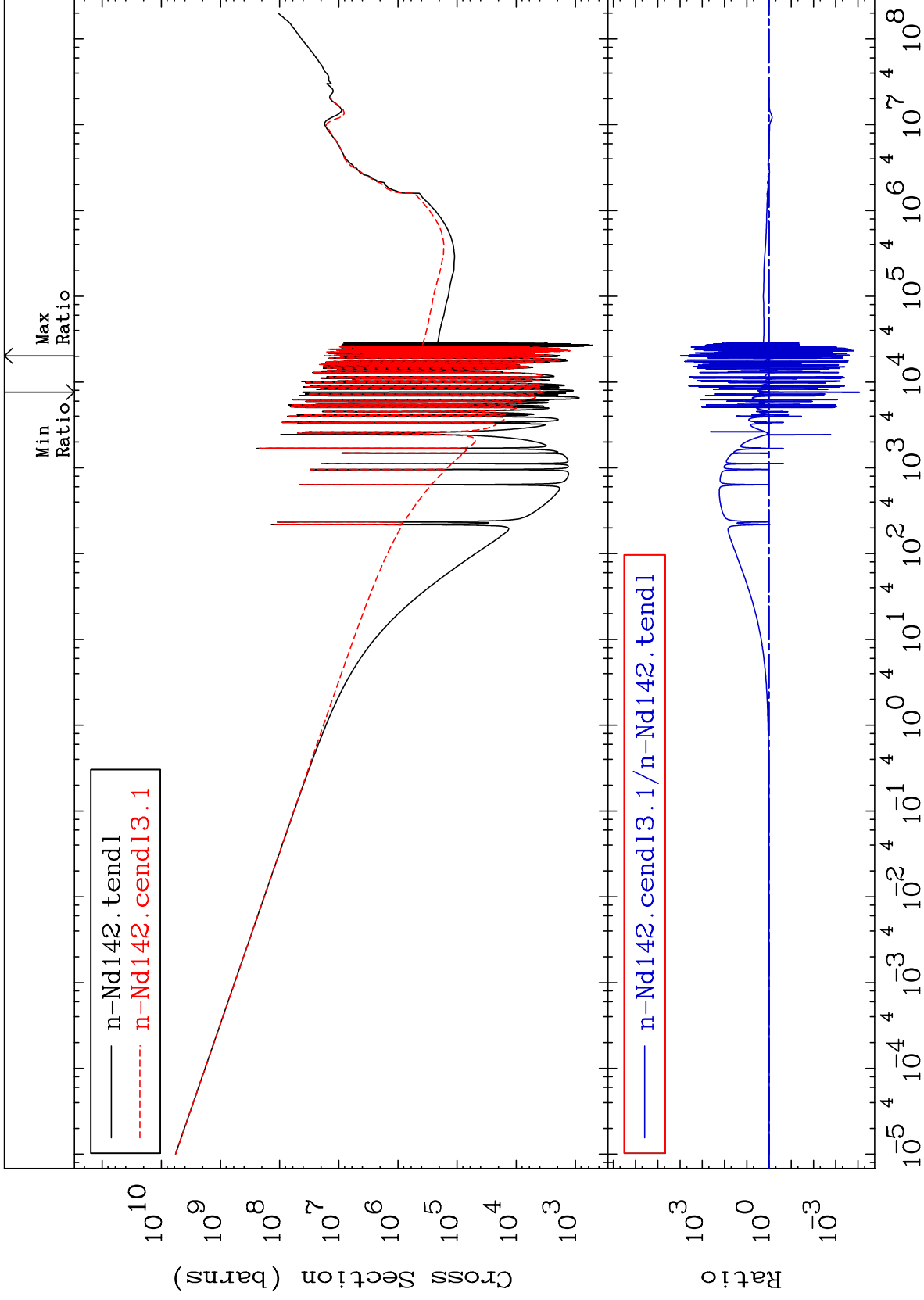
Incident Energy (eV)

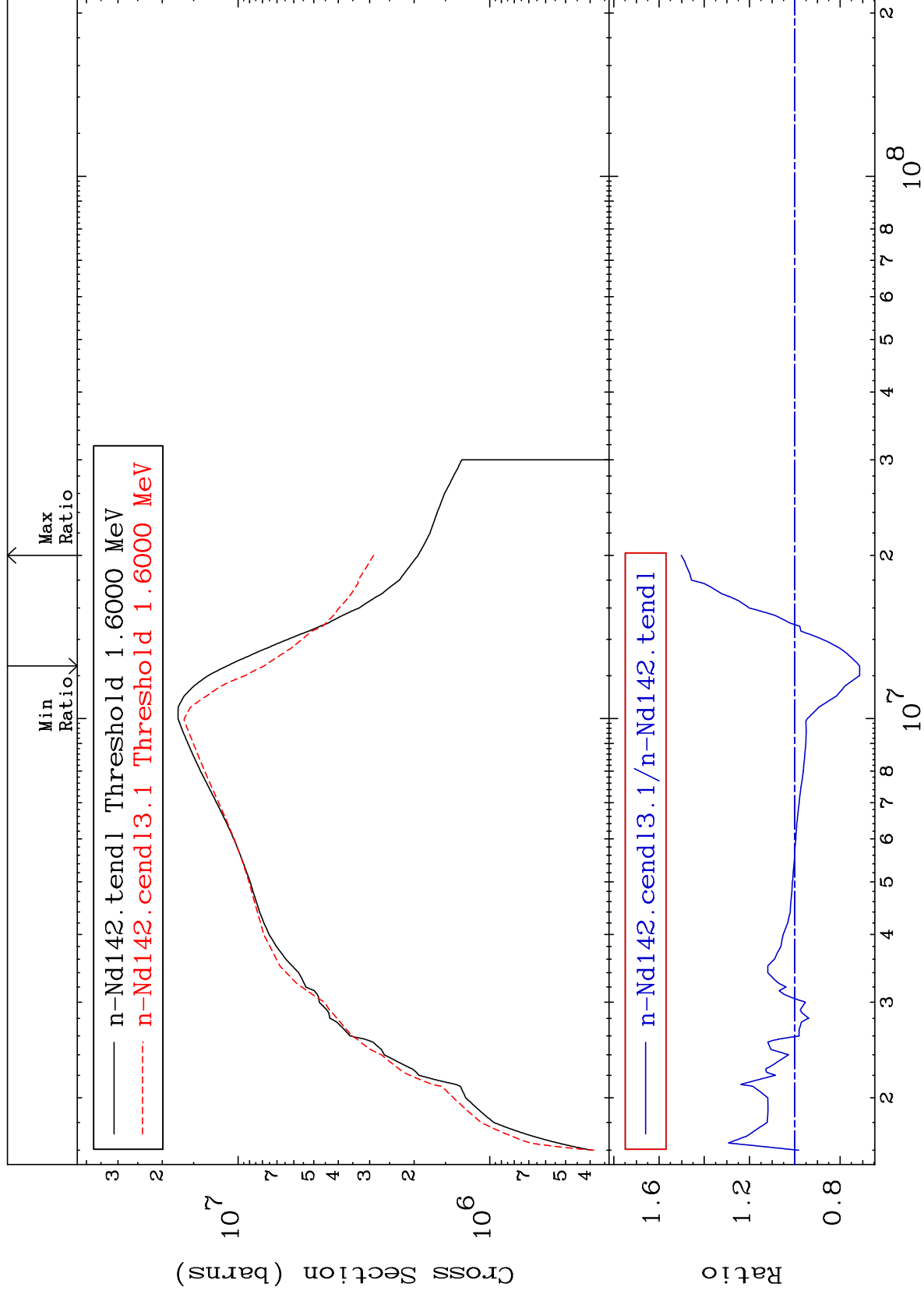
MAT 6025

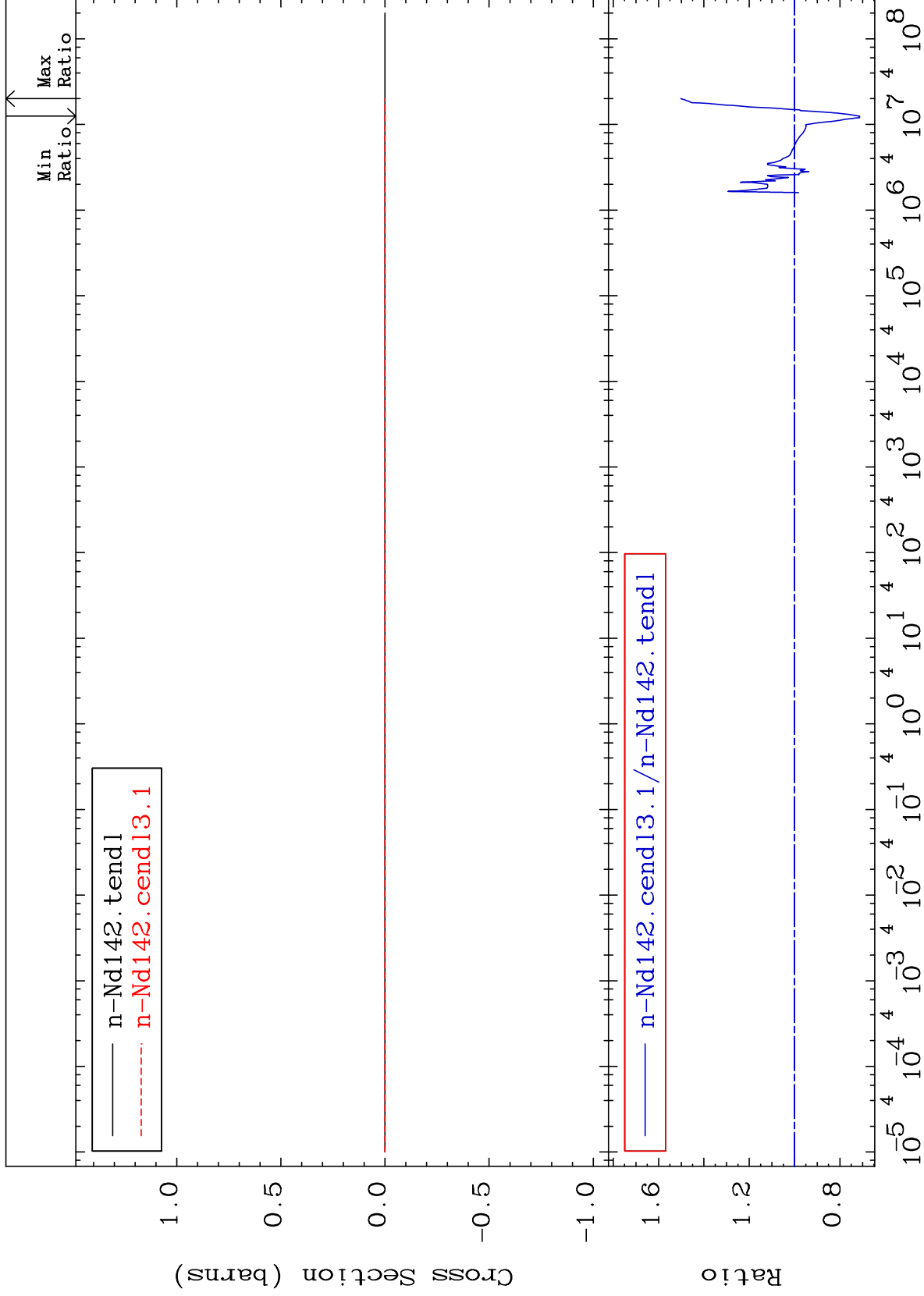
Kerma elastic
Cross Section

60-Nd-142
-99.77 To 9999. %





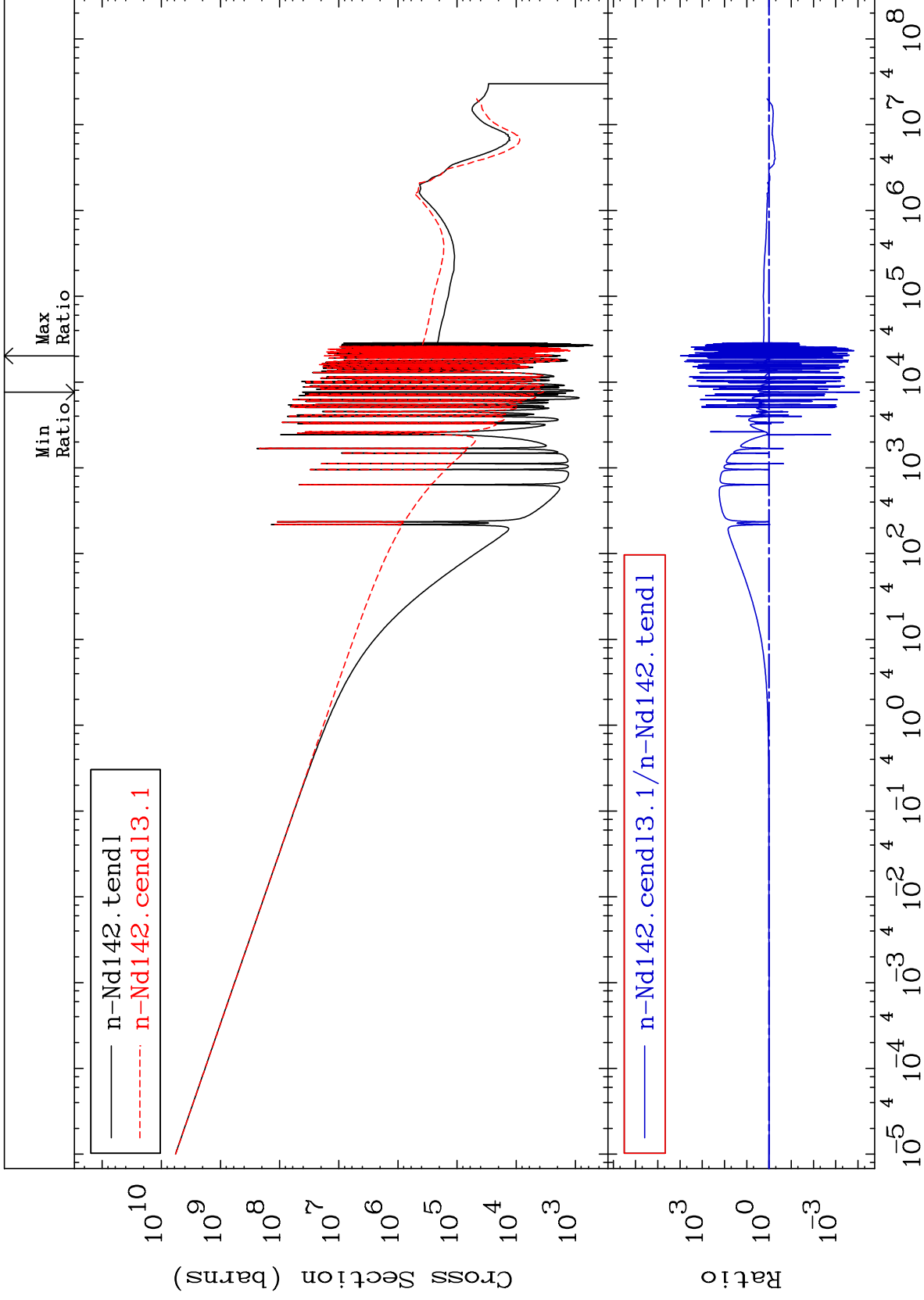




MAT 6025

Kerma capture (mt102)
Cross Section

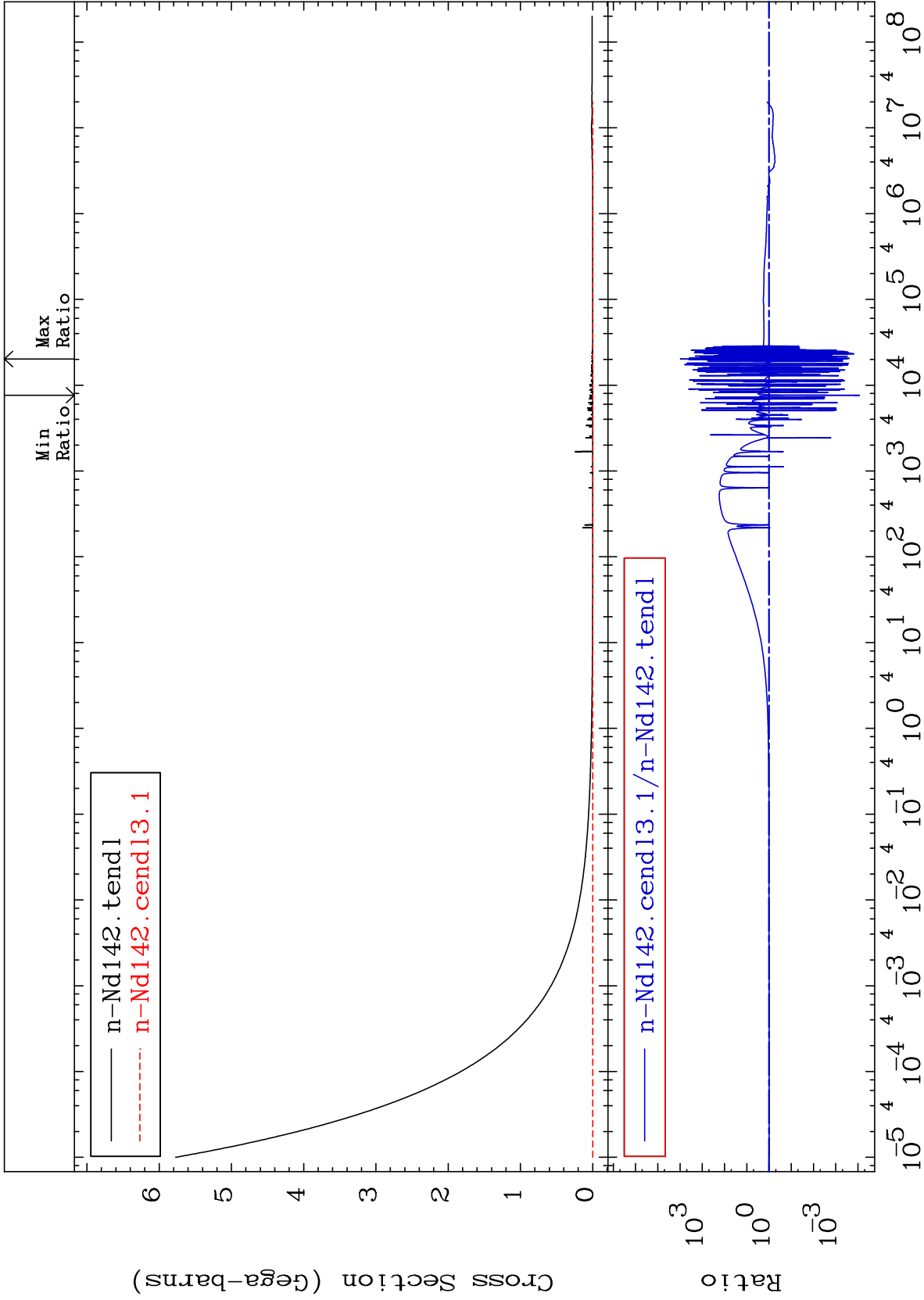
60-Nd-142
-99.99 To 9999. %

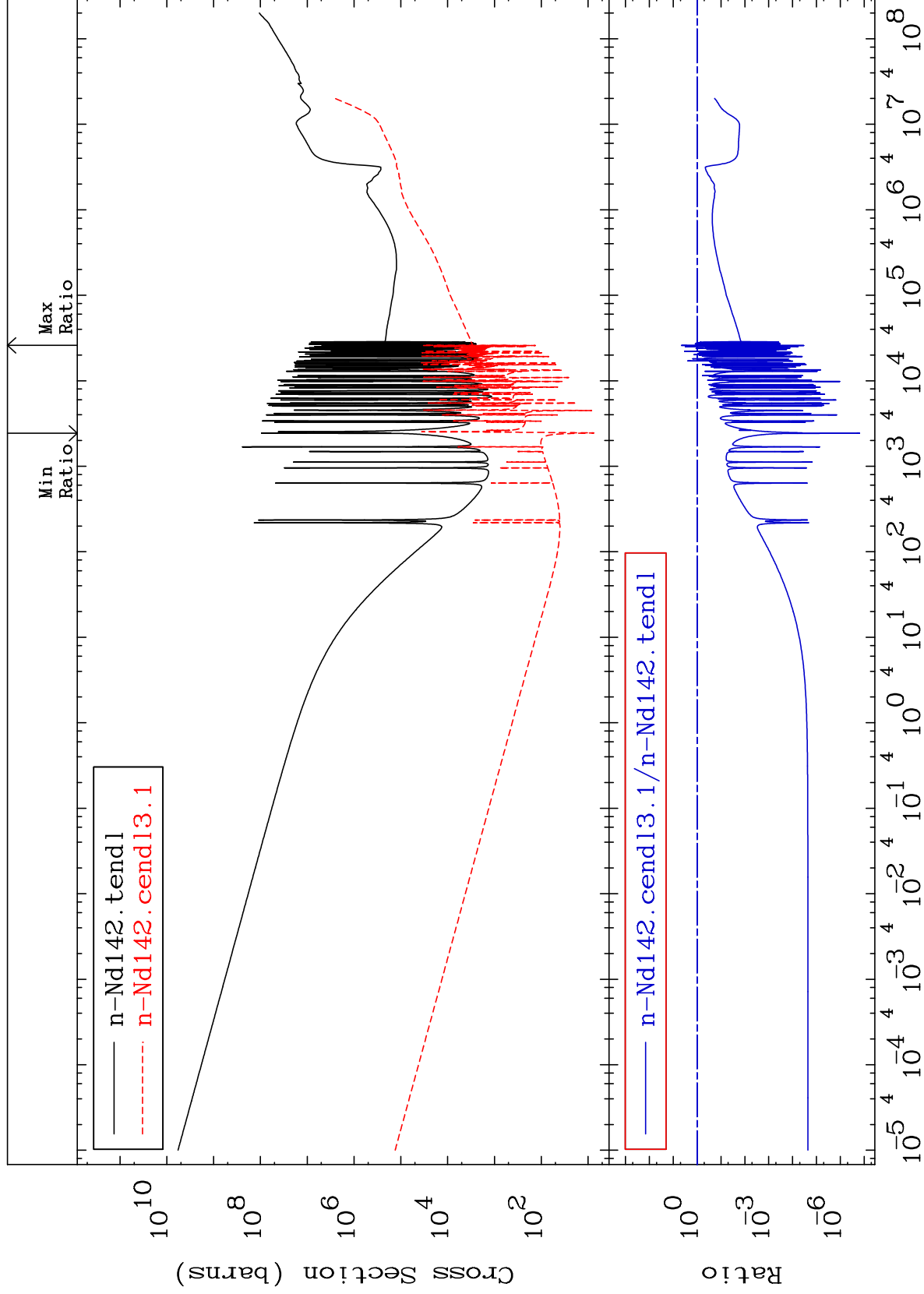


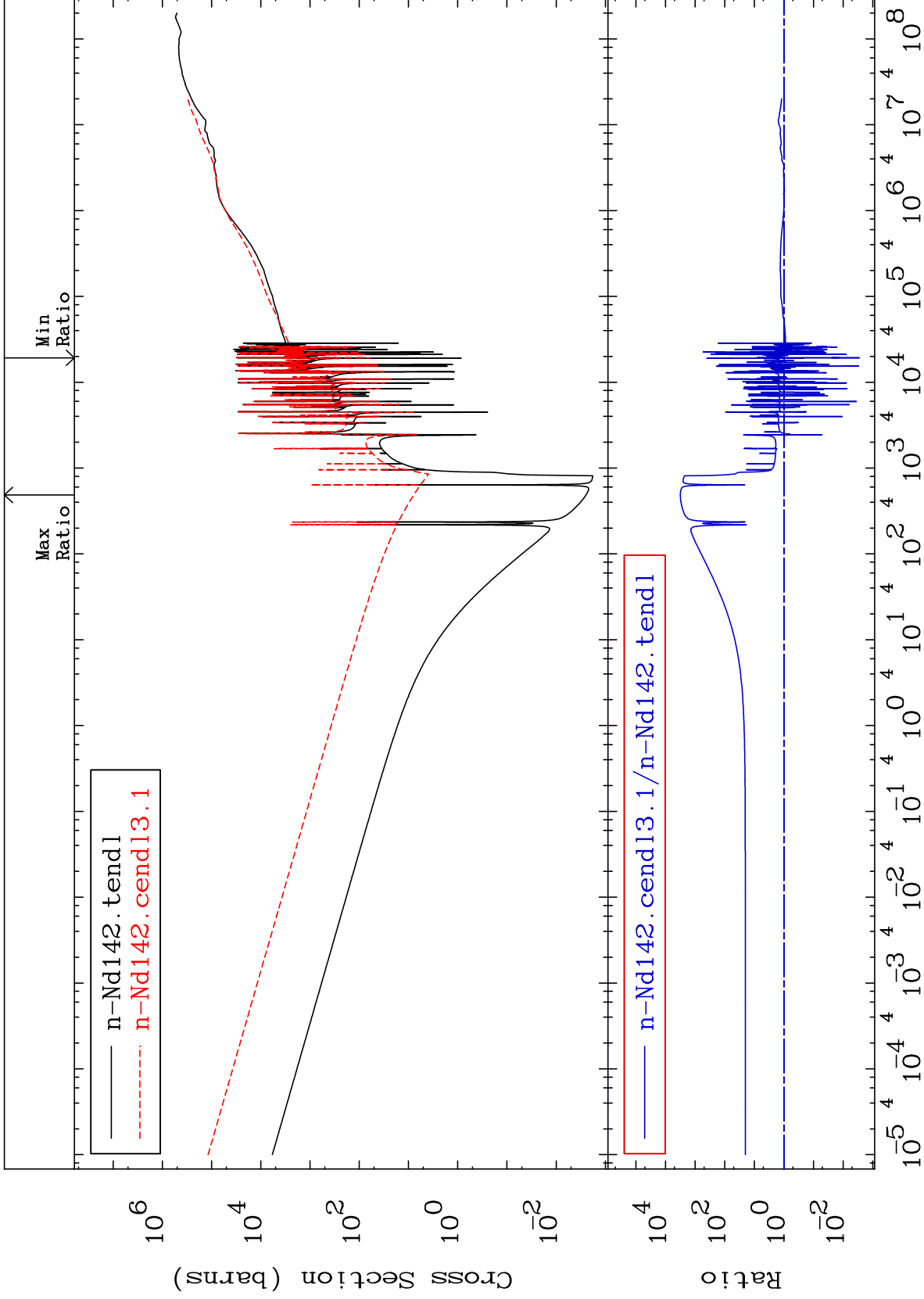
40

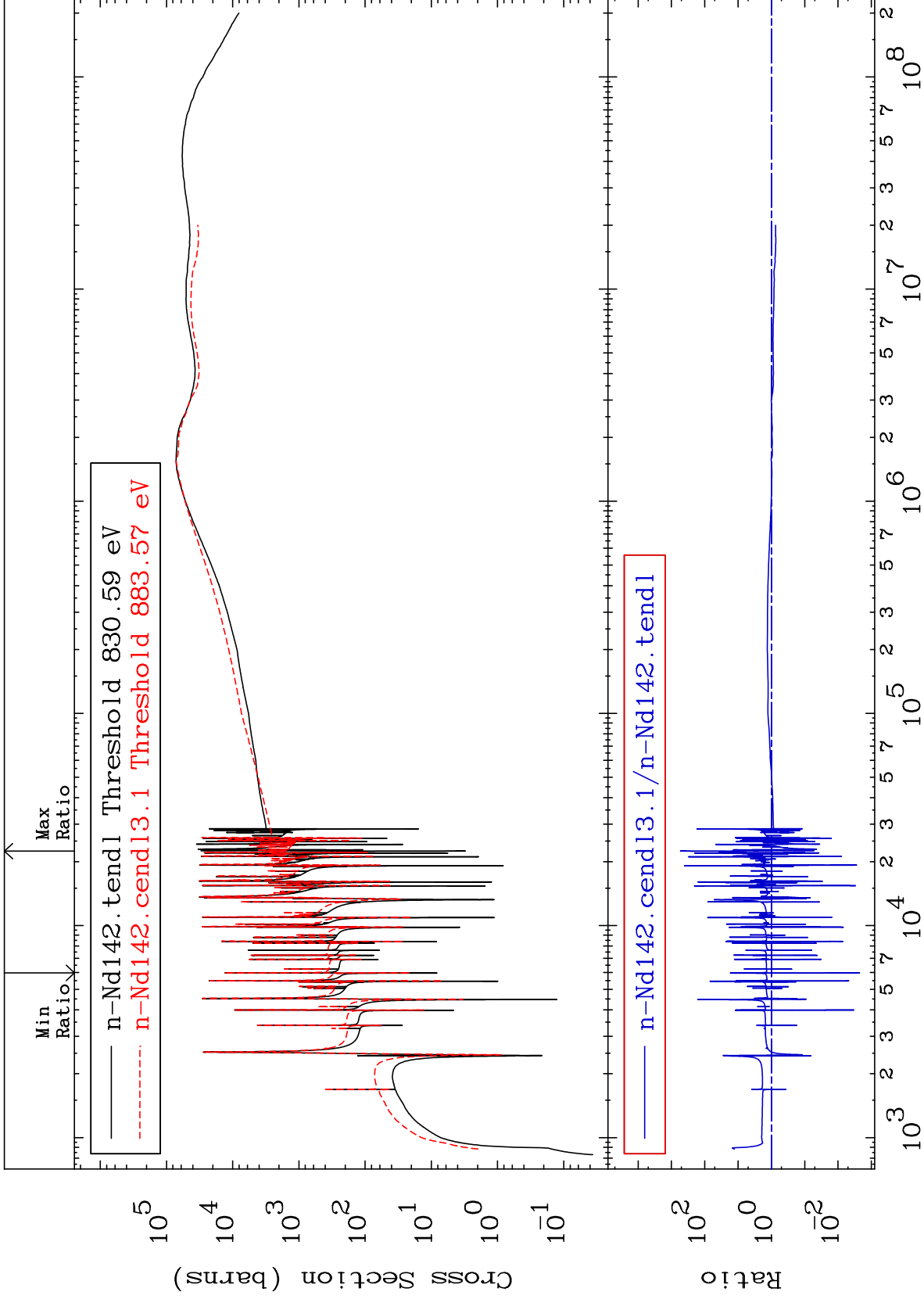
Incident Energy (eV)

60-Nd-142





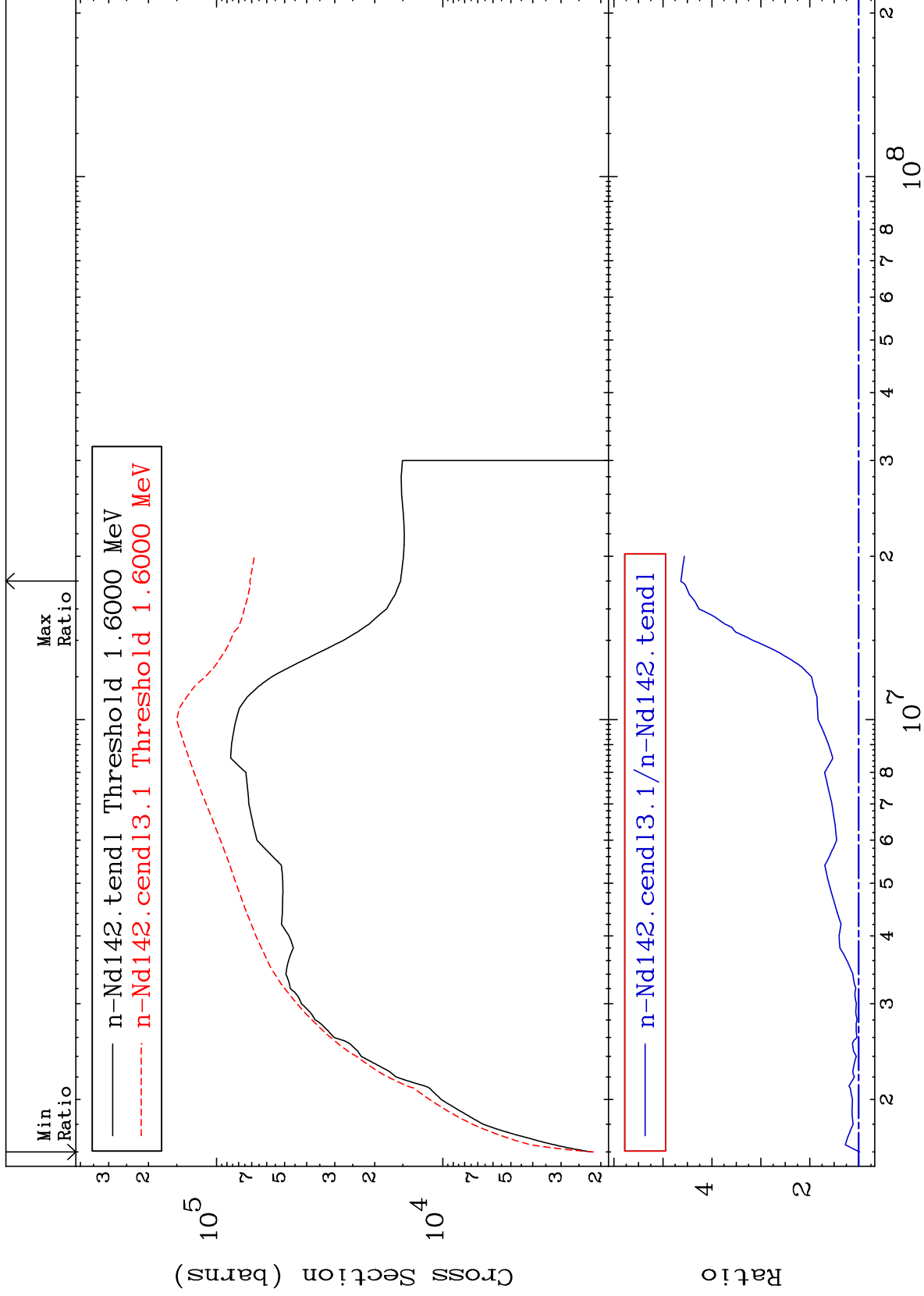




MAT 6025

Dpa inelastic (mt51-91)
Cross Section

60-Nd-142
-1.745 To 363.6 %



45

