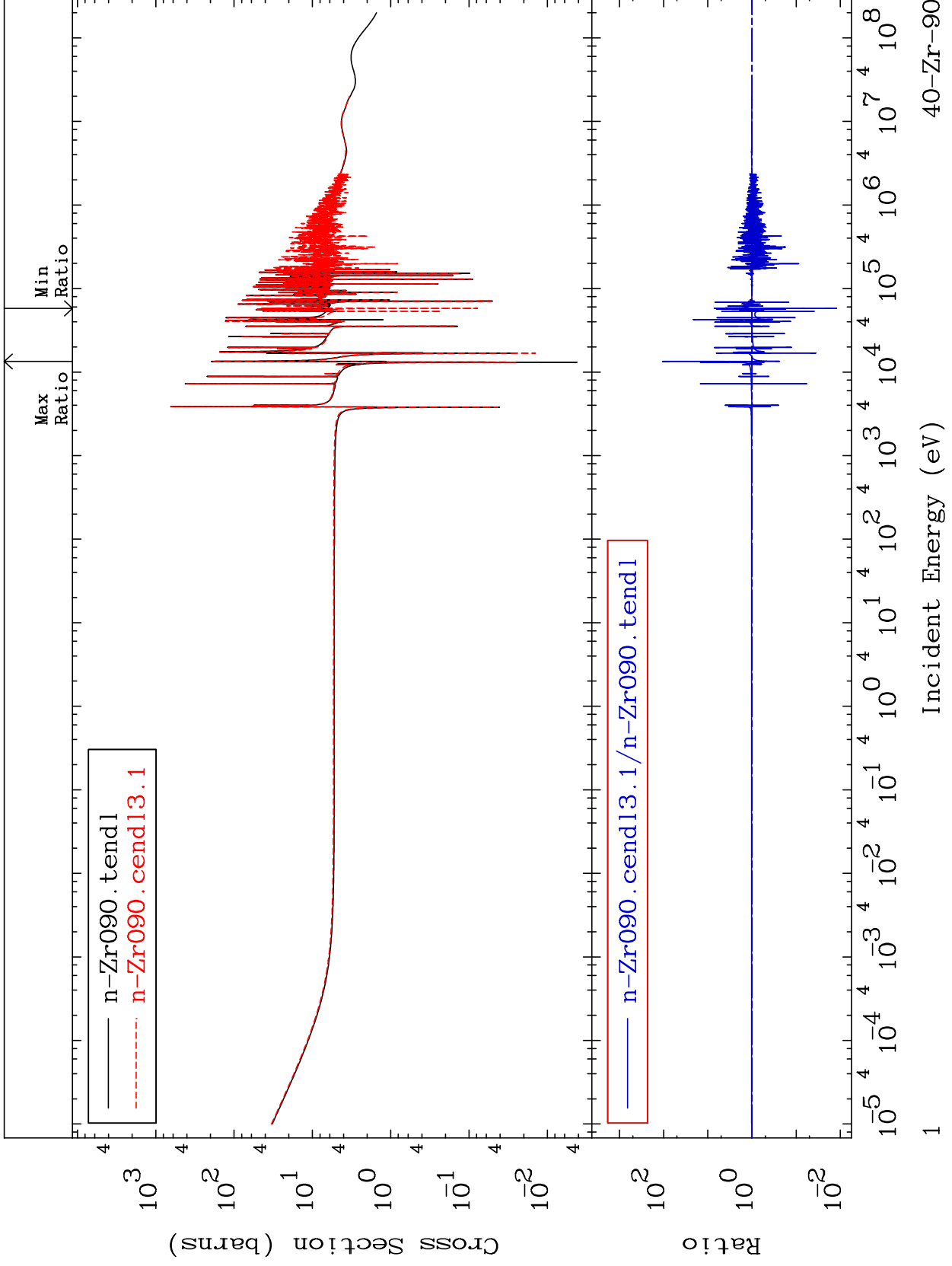


MAT 4025

Total
Cross Section

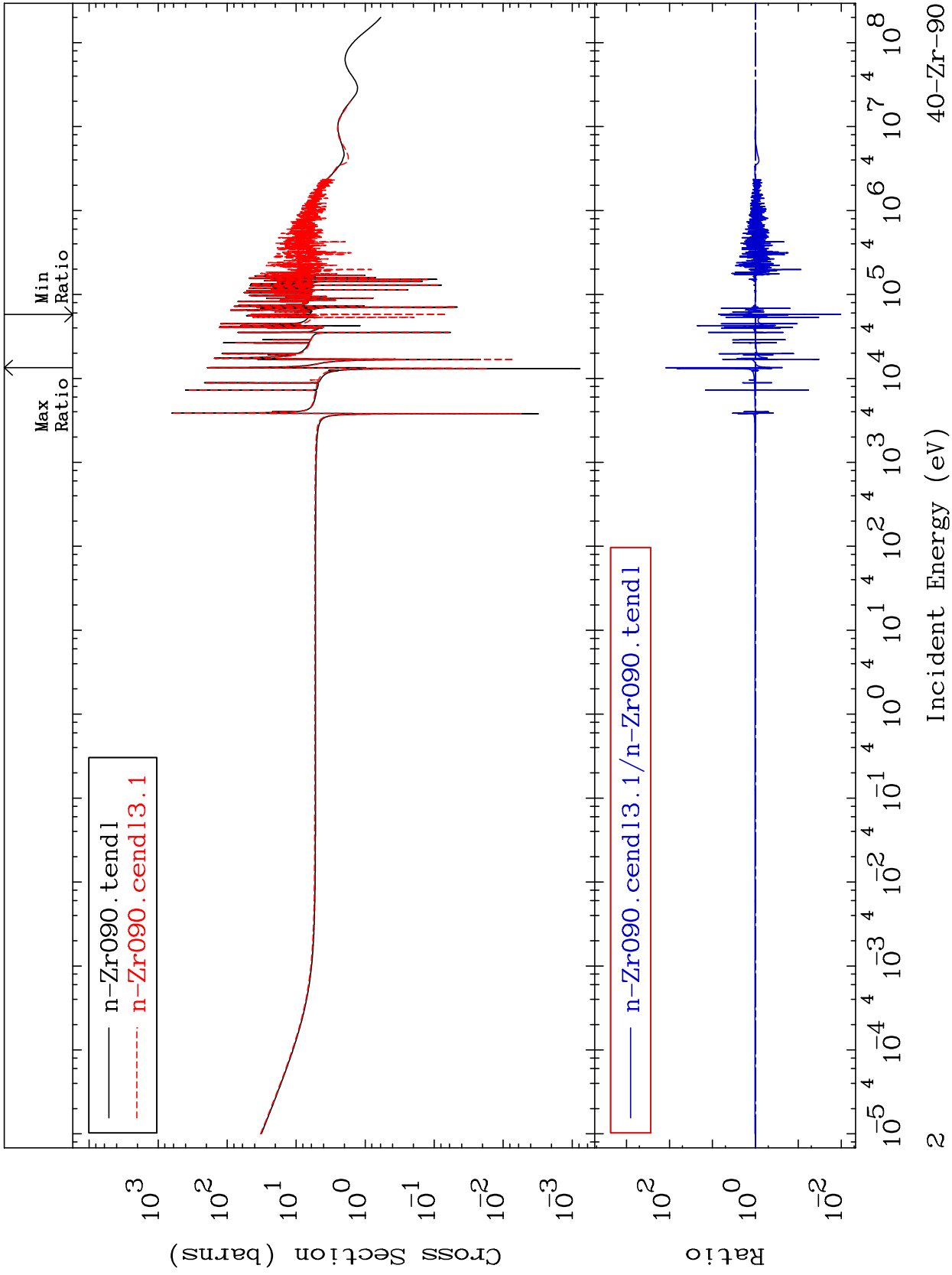
40-Zr-90
-98.79 To 9999. %



MAT 4025

Elastic
Cross Section

40-Zr-90
-98.97 To 9999. %



2

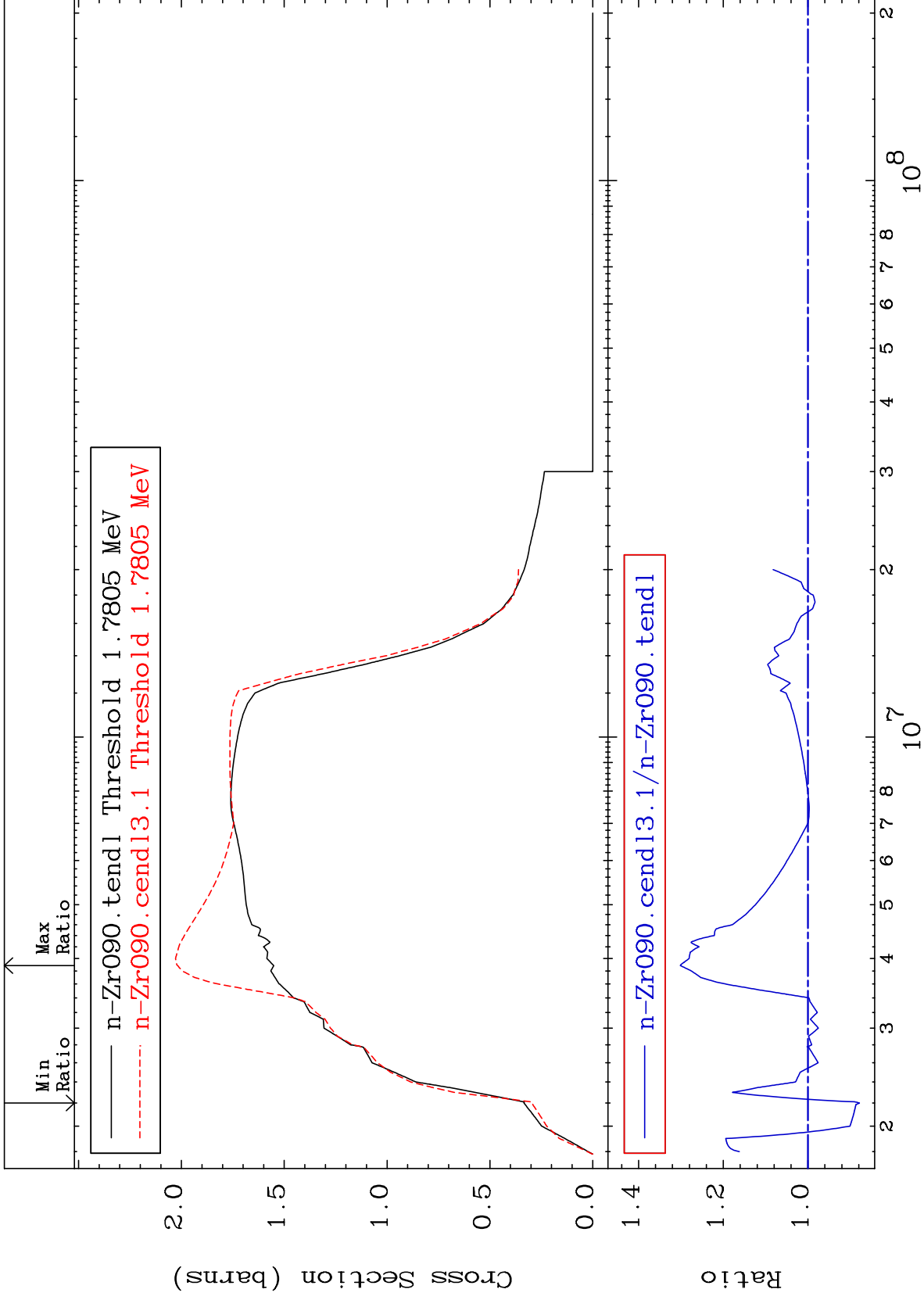
Incident Energy (eV)

40-Zr-90

MAT 4025

Inelastic
Cross Section

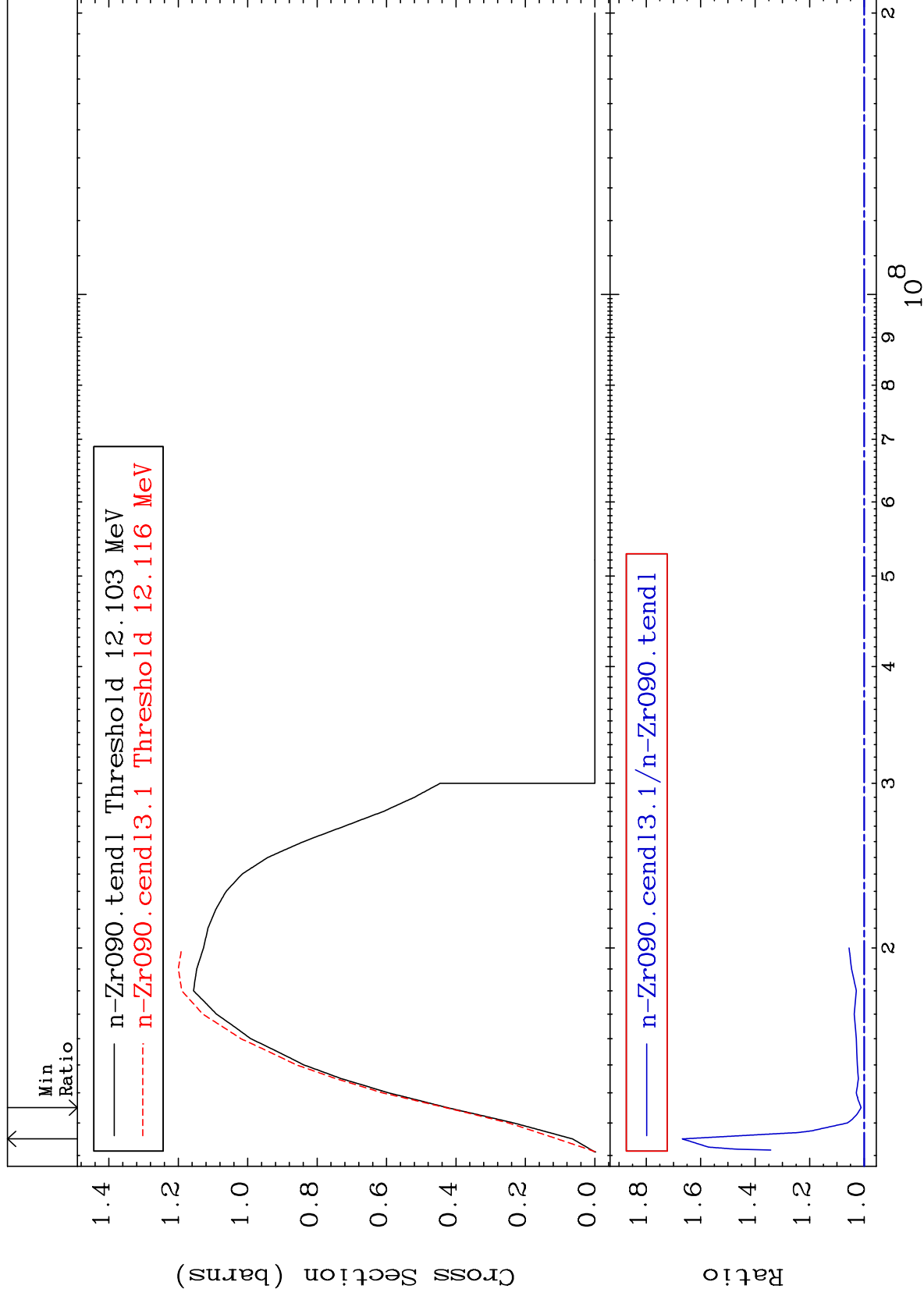
40-Zr-90
-12.15 To 30.13 %



MAT 4025

(n,2n)
Cross Section

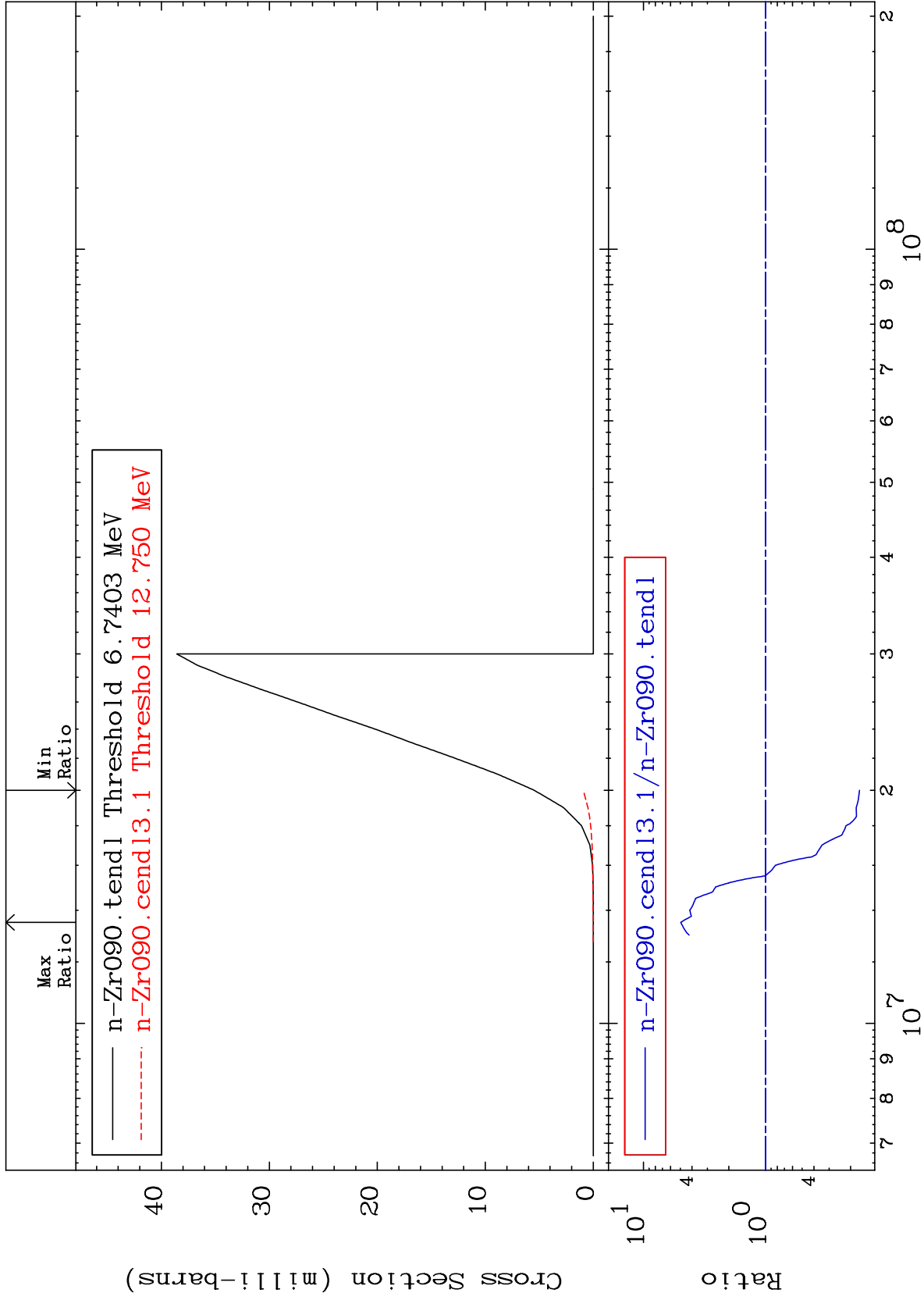
40-Zr-90
1.136 To 66.74 %



MAT 4025

(n, n') α
Cross Section

40-Zr-90
-83.08 To 394.9 %



5

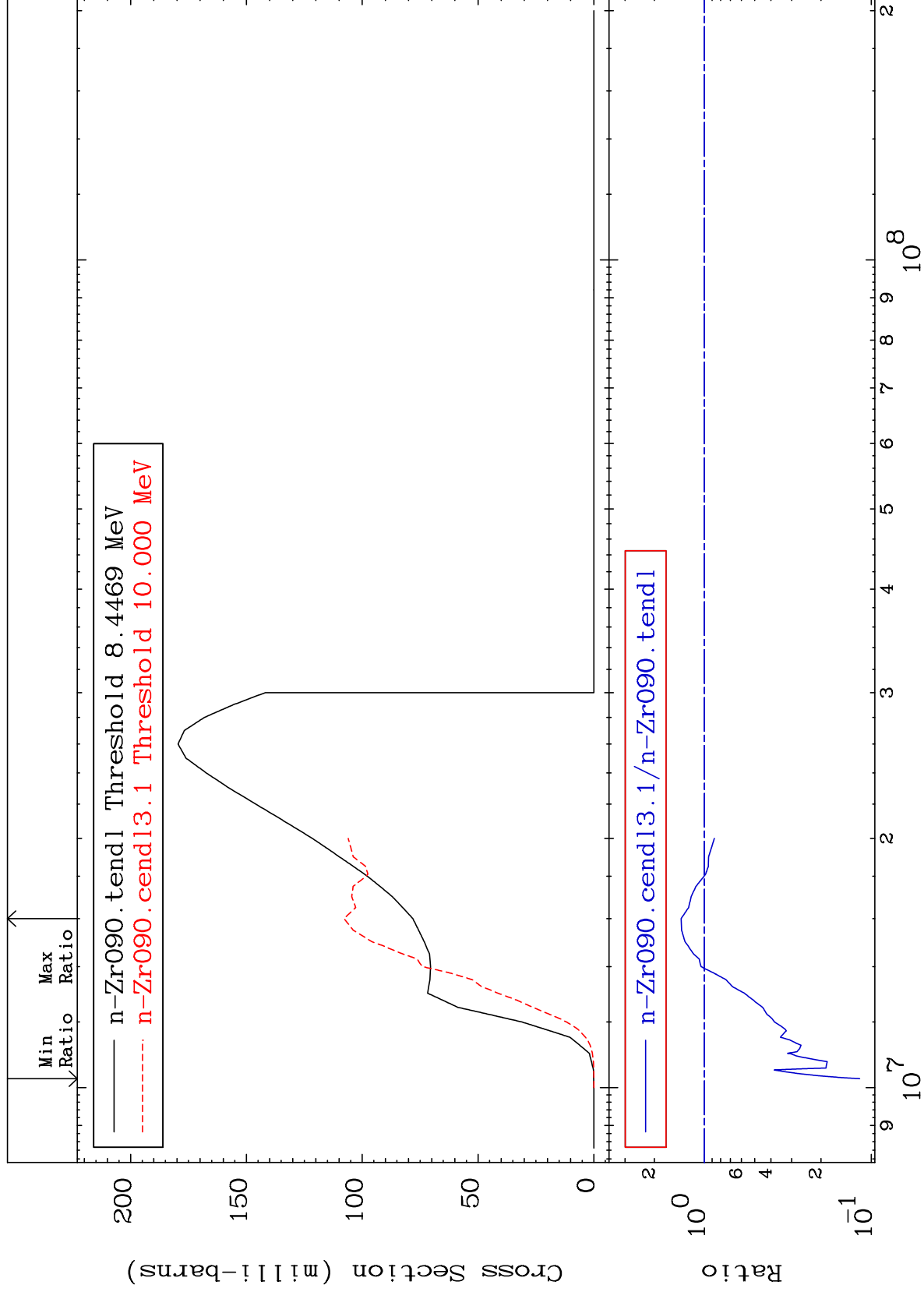
40-Zr-90

40-Zr-90

MAT 4025

(n, n') p
Cross Section

40-Zr-90
-88.27 To 37.98 %



6

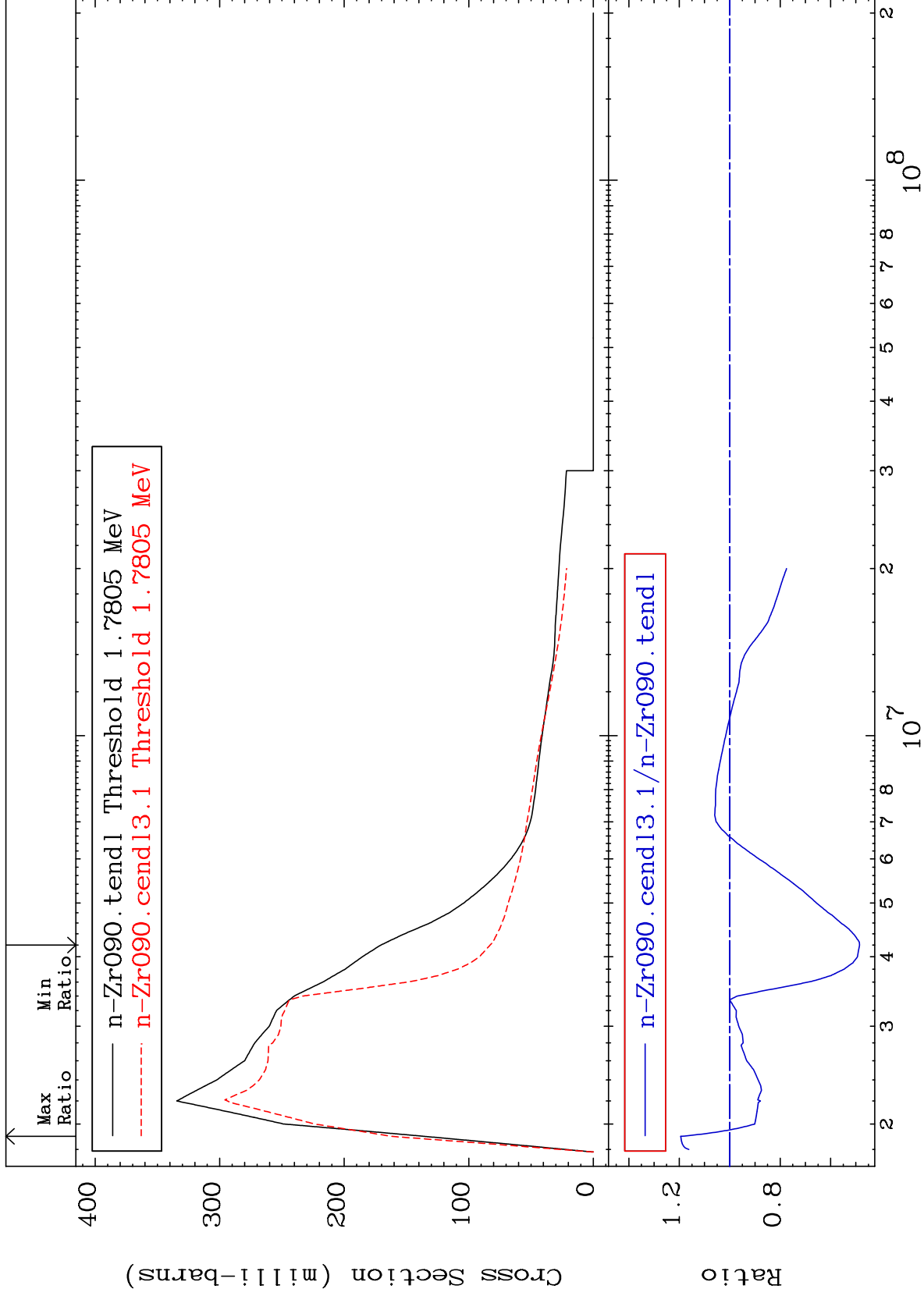
Incident Energy (eV)

40-Zr-90

MAT 4025

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

40-Zr-90
-51.46 To 19.41 %



7

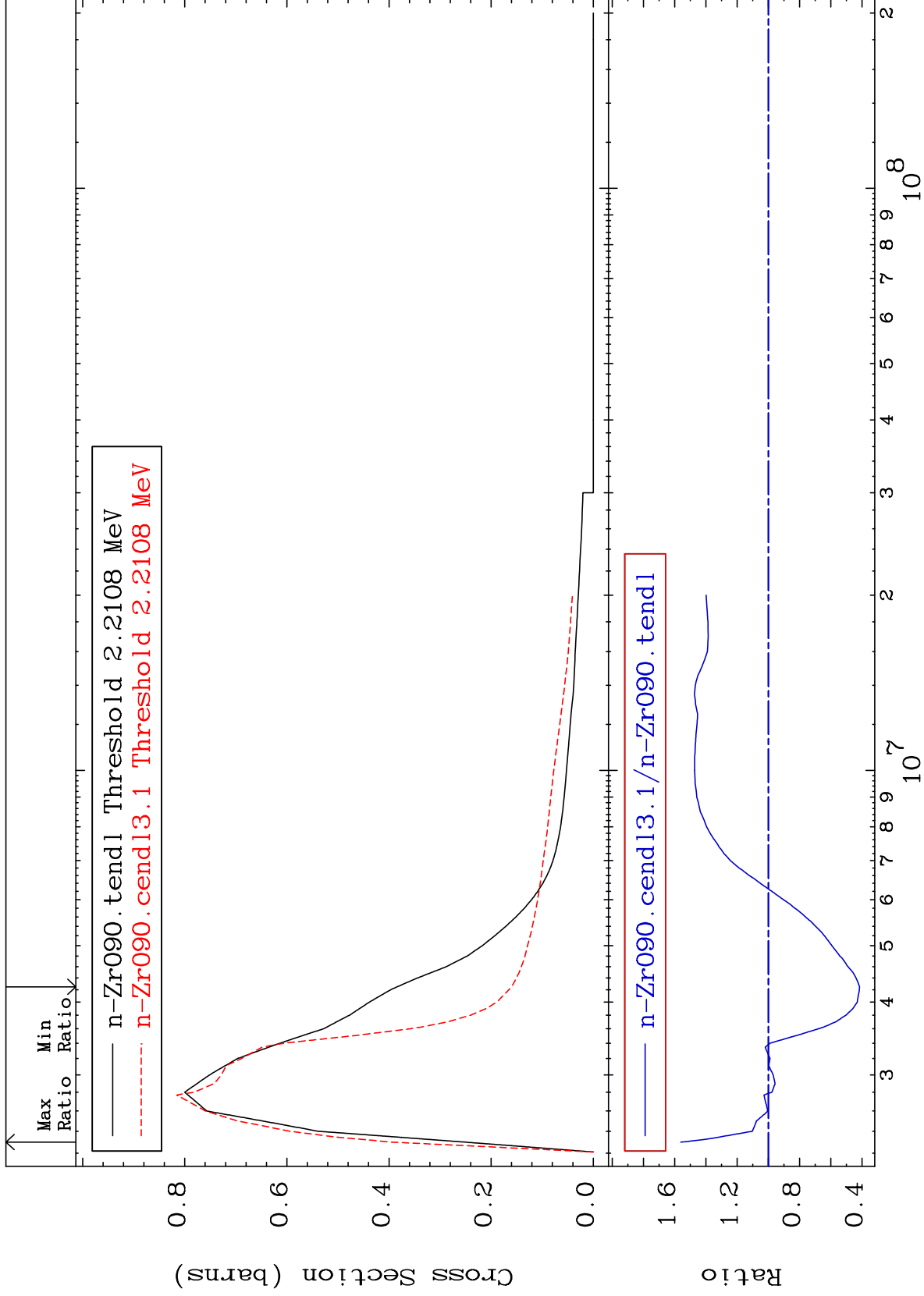
Incident Energy (eV)

40-Zr-90

MAT 4025

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

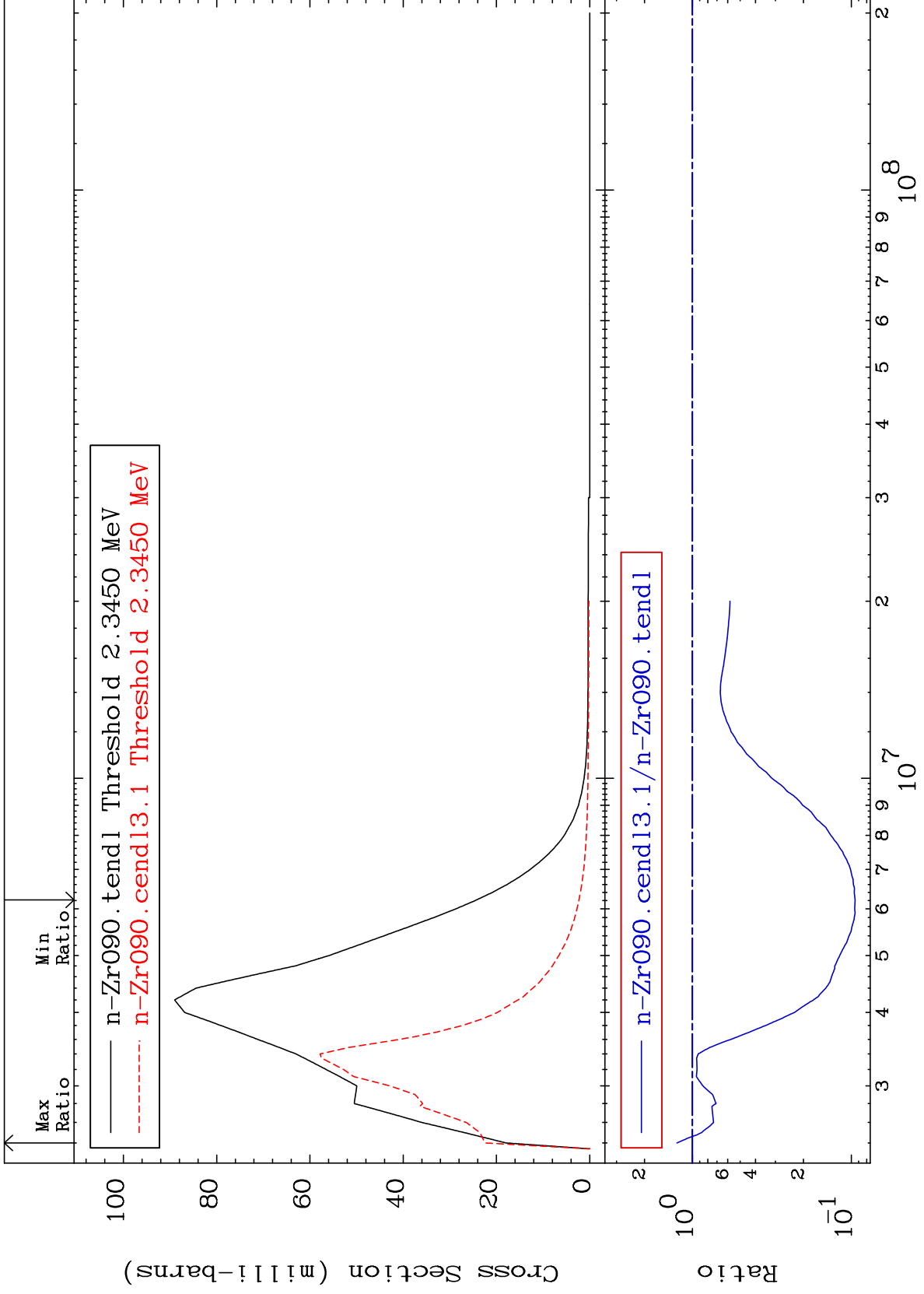
40-Zr-90
-58.45 To 56.08 %



MAT 4025

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

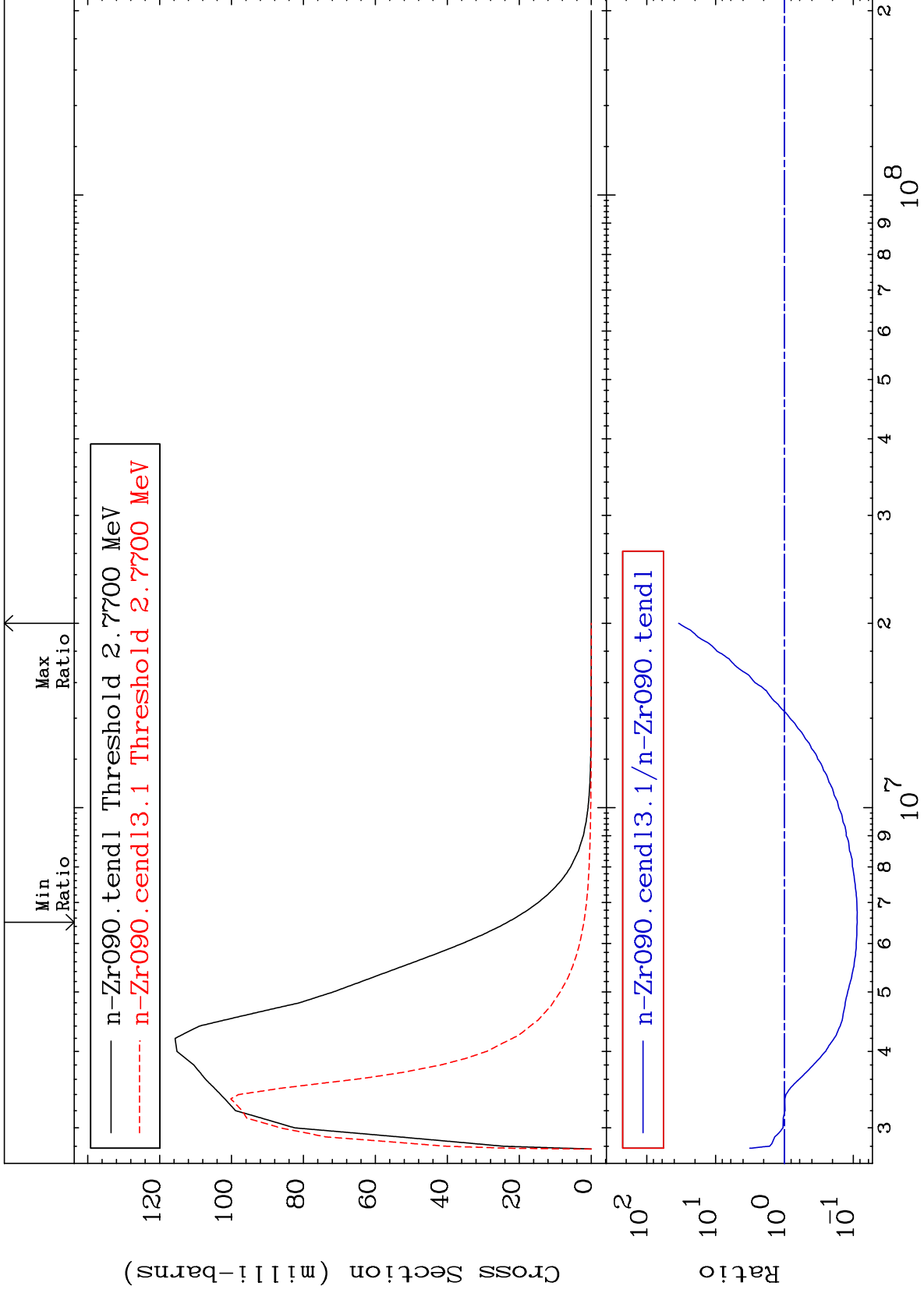
40-Zr-90
-90.53 To 25.01 %



MAT 4025

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

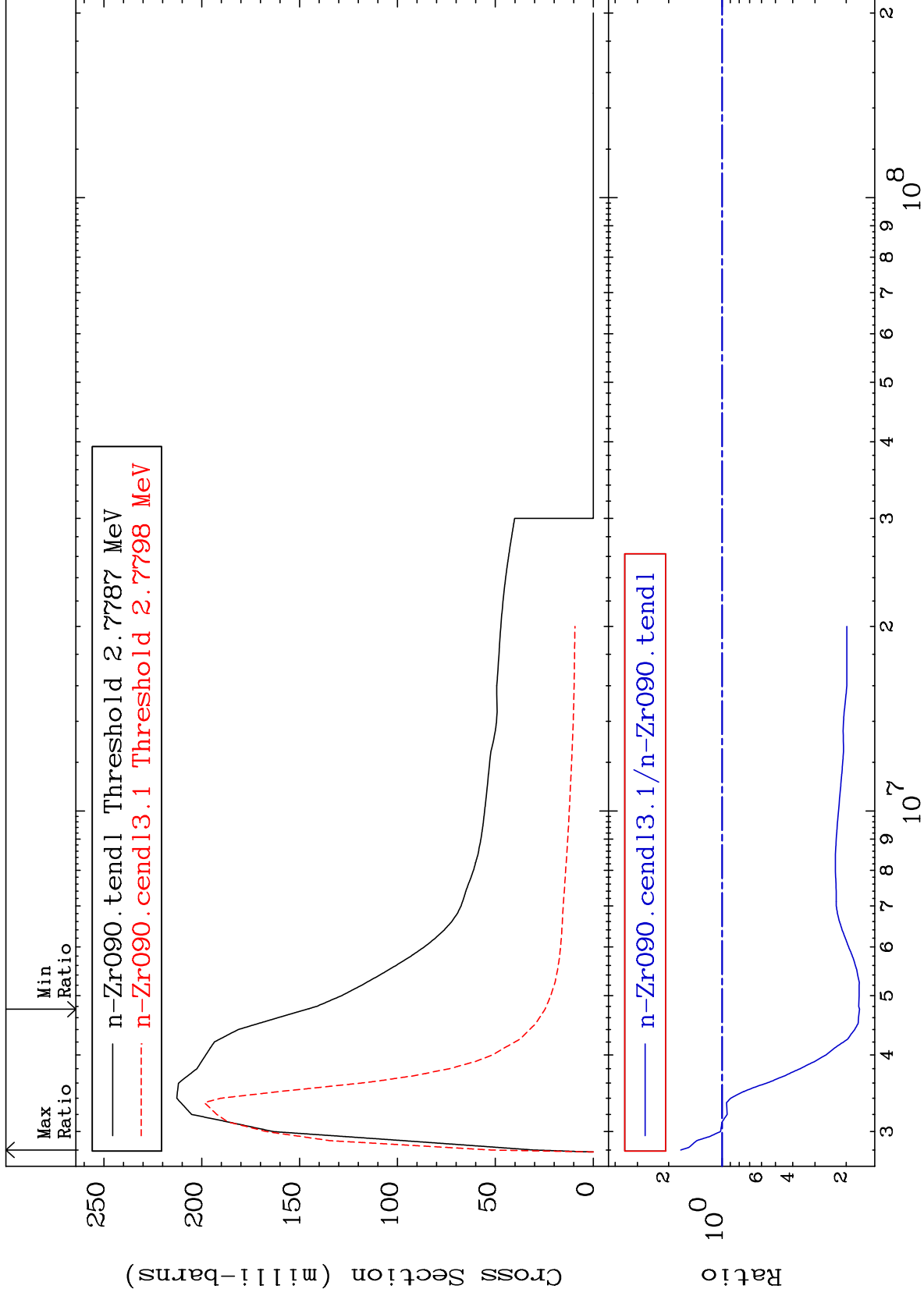
40-Zr-90
-91.26 To 3349. %



MAT 4025

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

40-Zr-90
-83.18 To 70.88 %



11

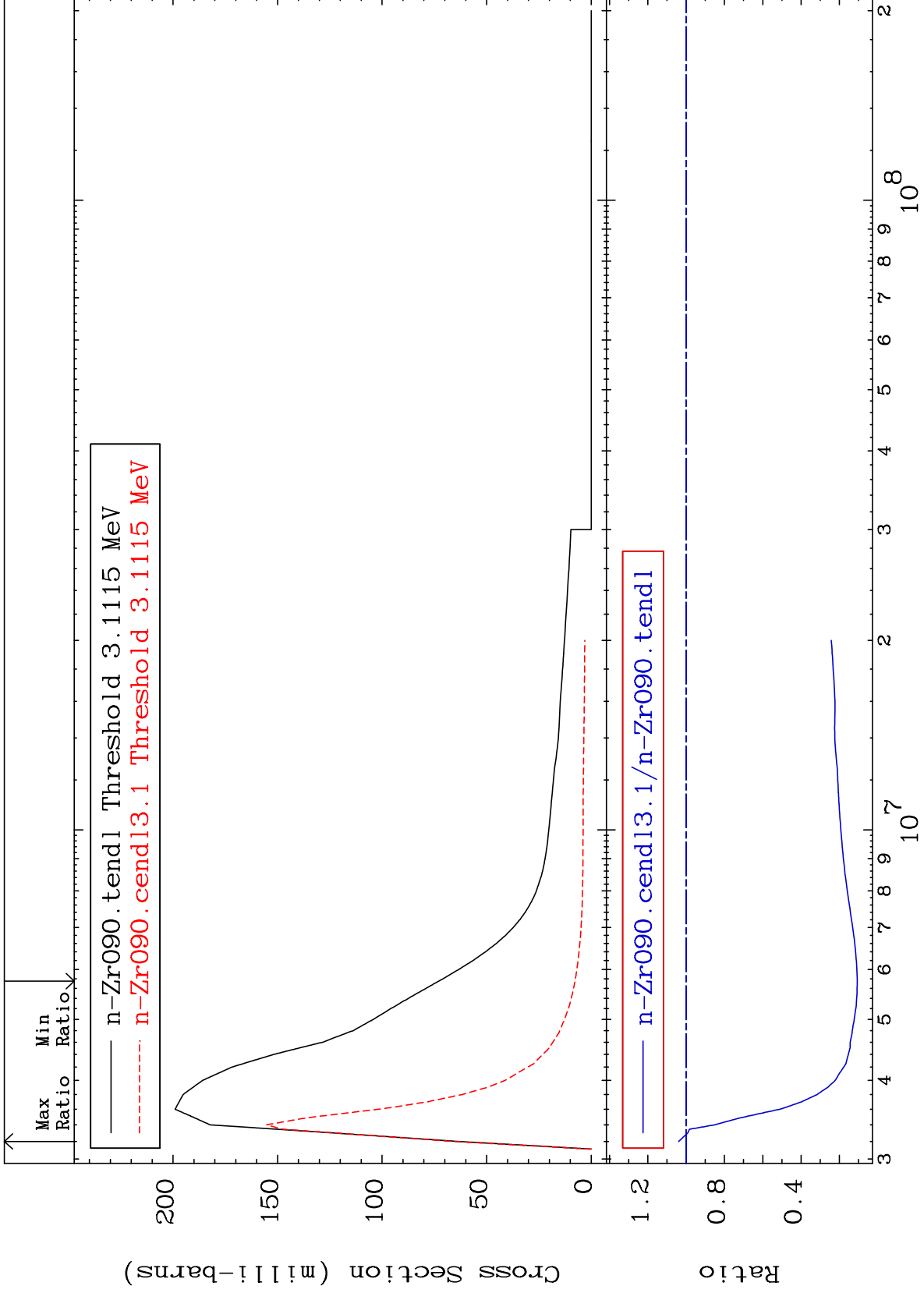
Incident Energy (eV)

40-Zr-90

MAT 4025

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

40-Zr-90
-89.38 To 3.927 %



12

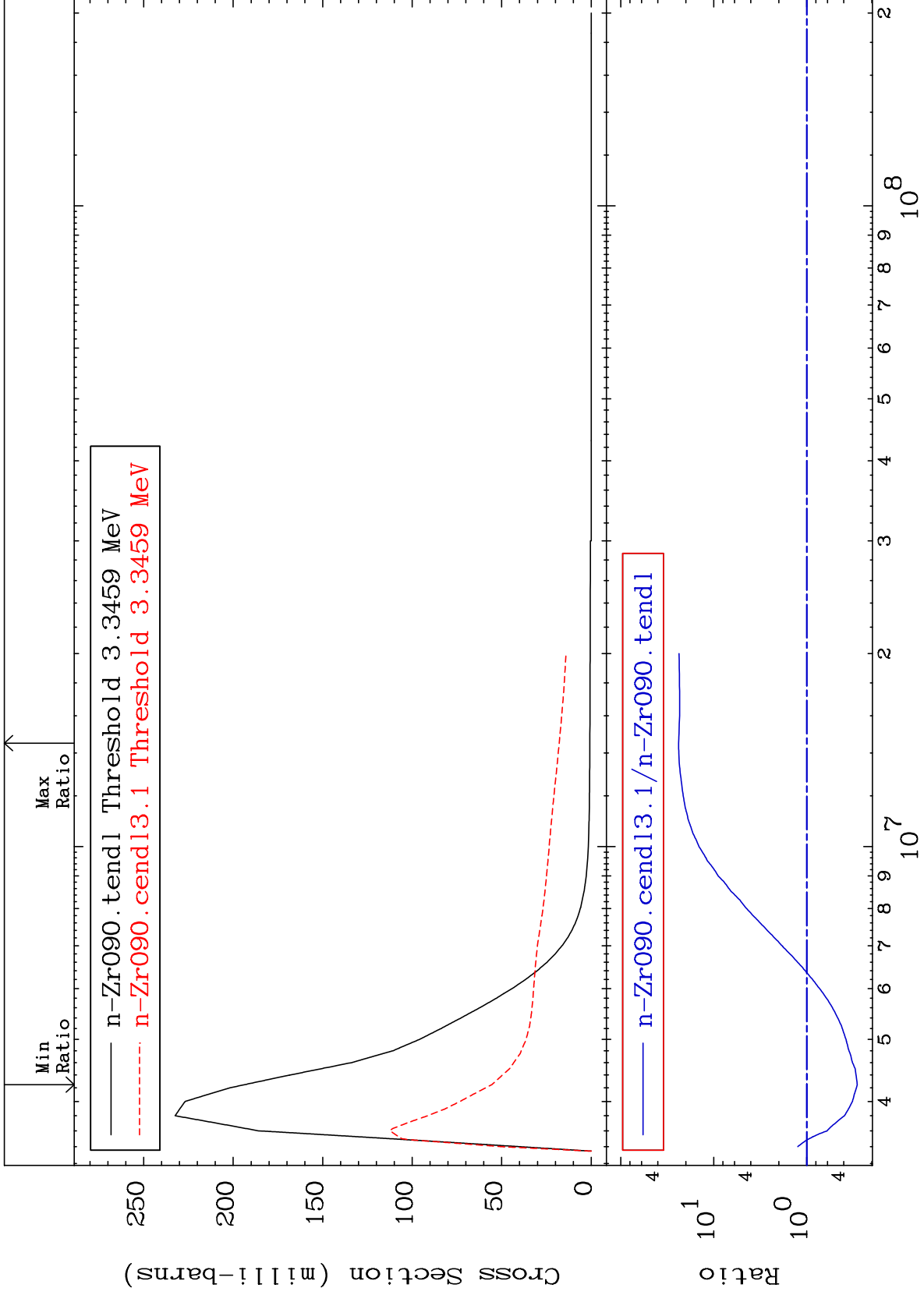
40-Zr-90

40-Zr-90

MAT 4025

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

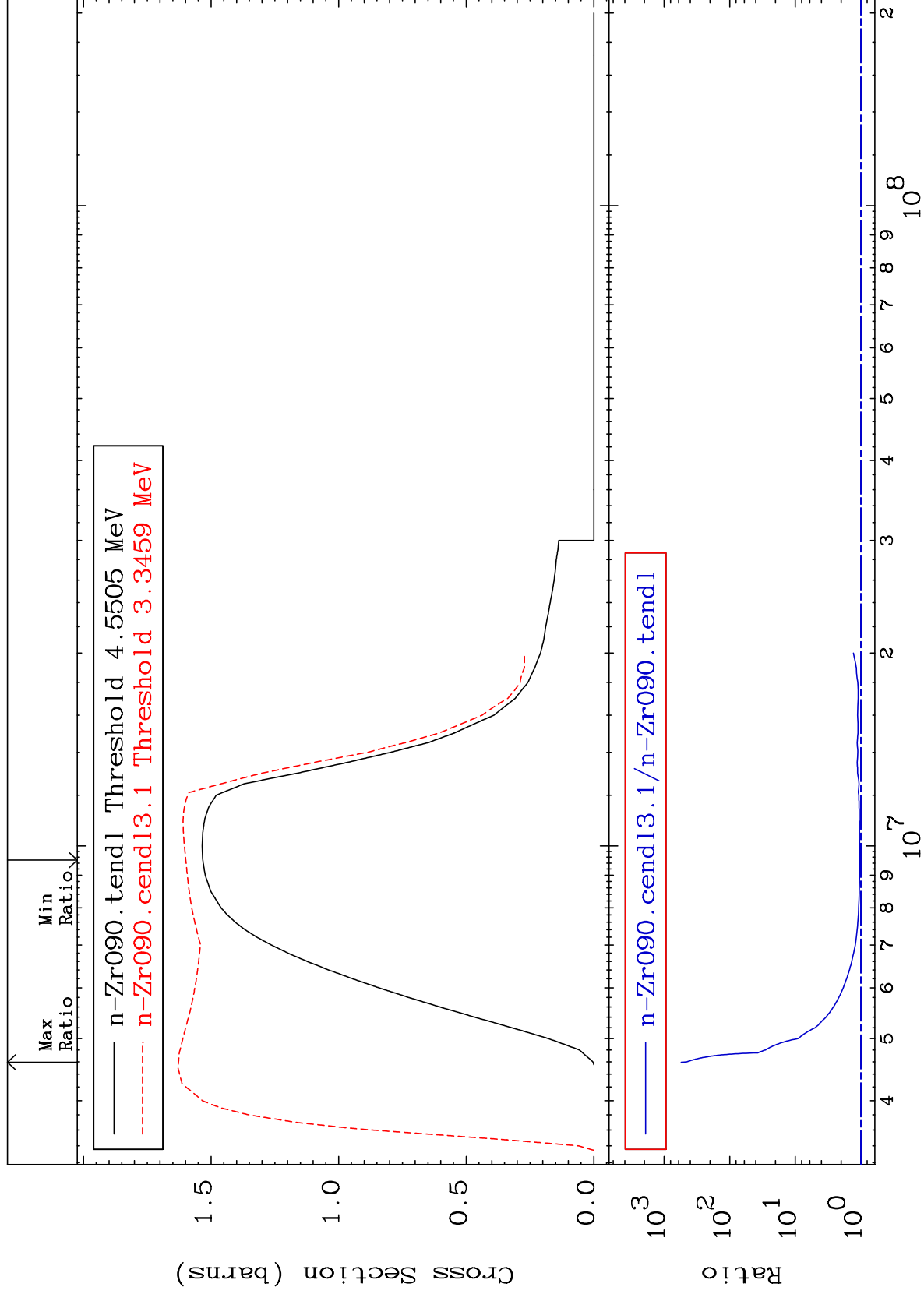
40-Zr-90
-71.33 To 2291. %



MAT 4025

(n, n') Continuum
Cross Section

40-Zr-90
4.346 To 9999. %



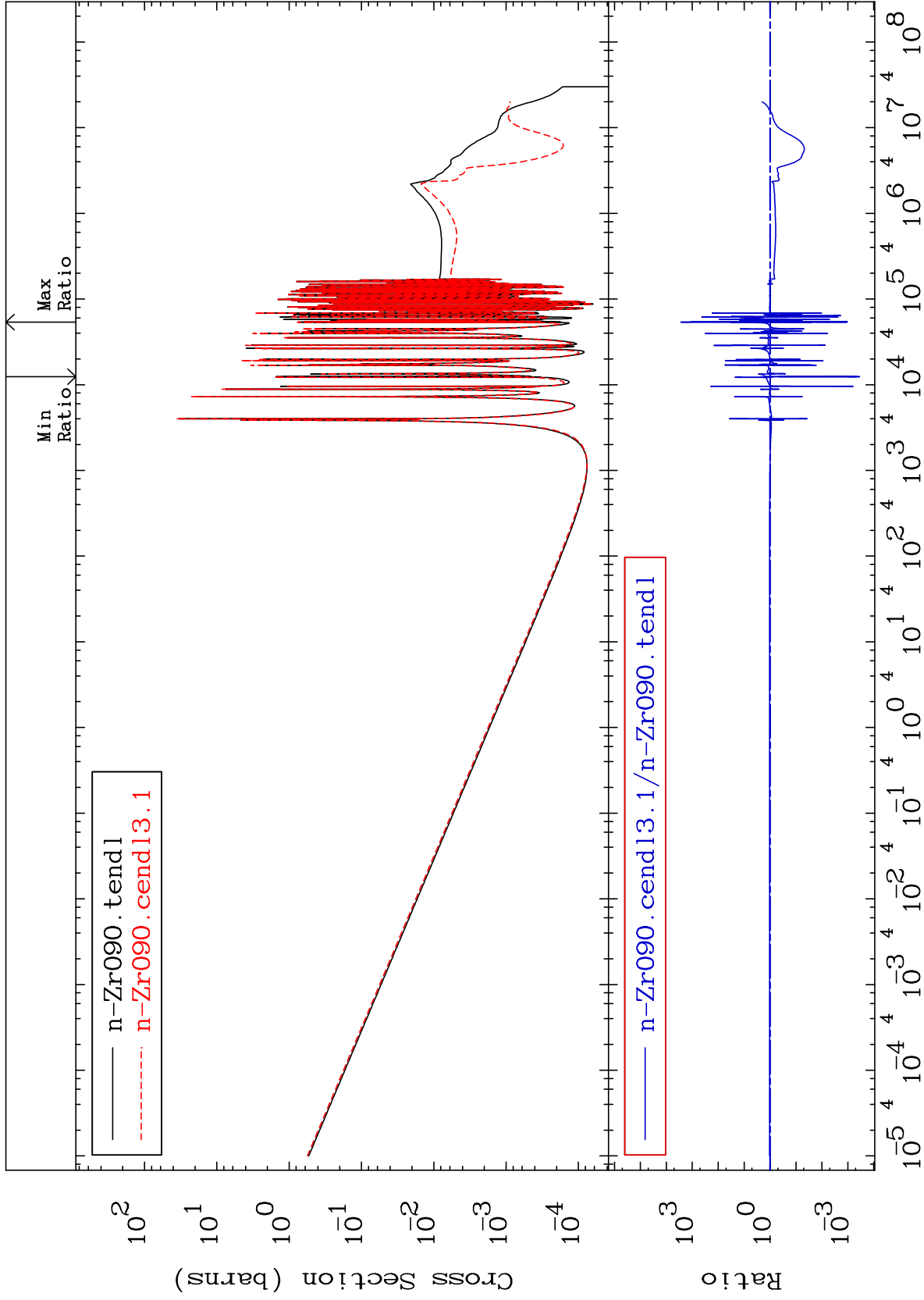
MAT 4025

(n, γ)

40-Zr-90

Cross Section

-99.96 To 9999. %



15

Incident Energy (eV)

40-Zr-90

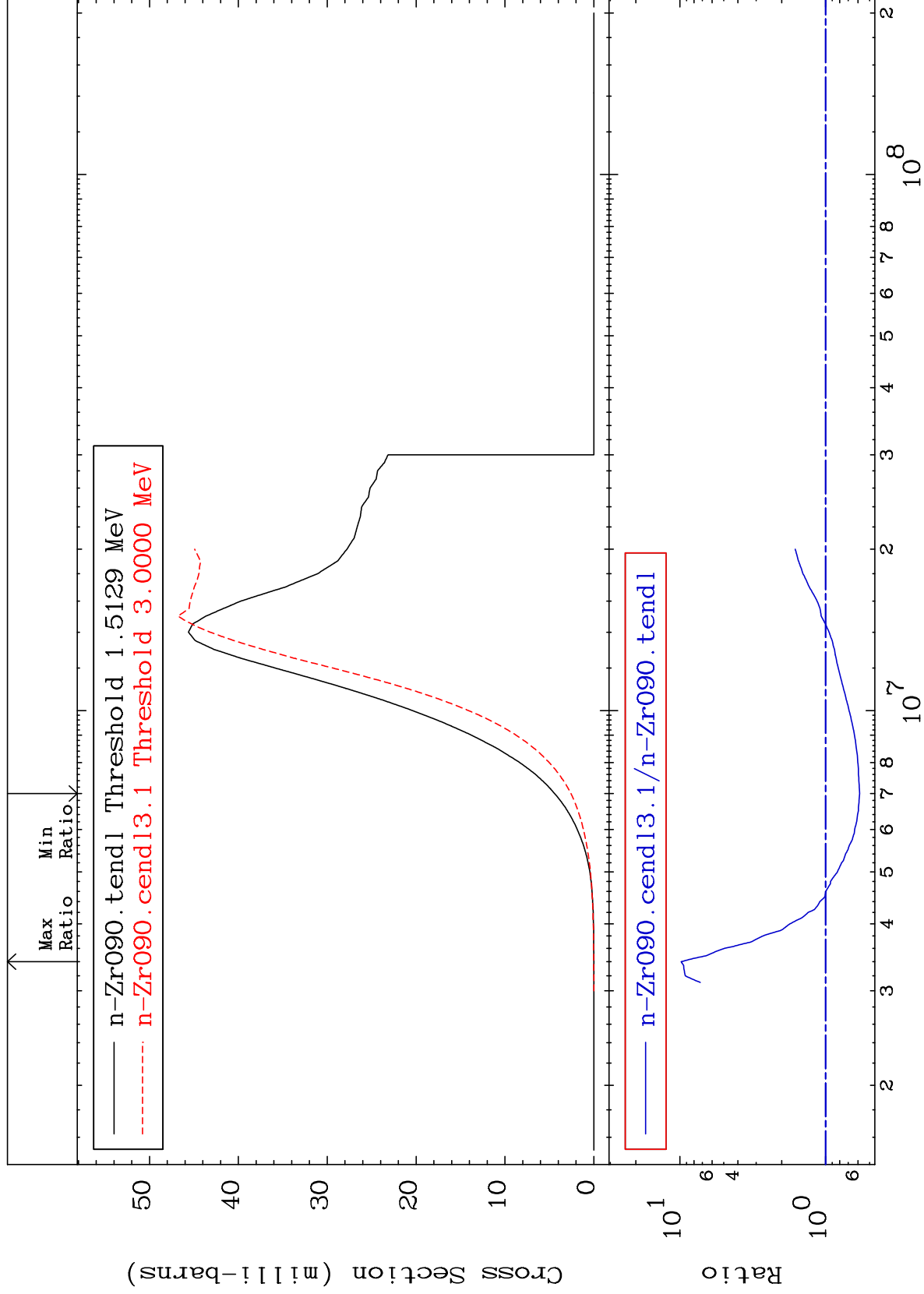
MAT 4025

(n,p)

40-Zr-90

Cross Section

-41.54 To 878.4 %



16

Incident Energy (eV)

40-Zr-90

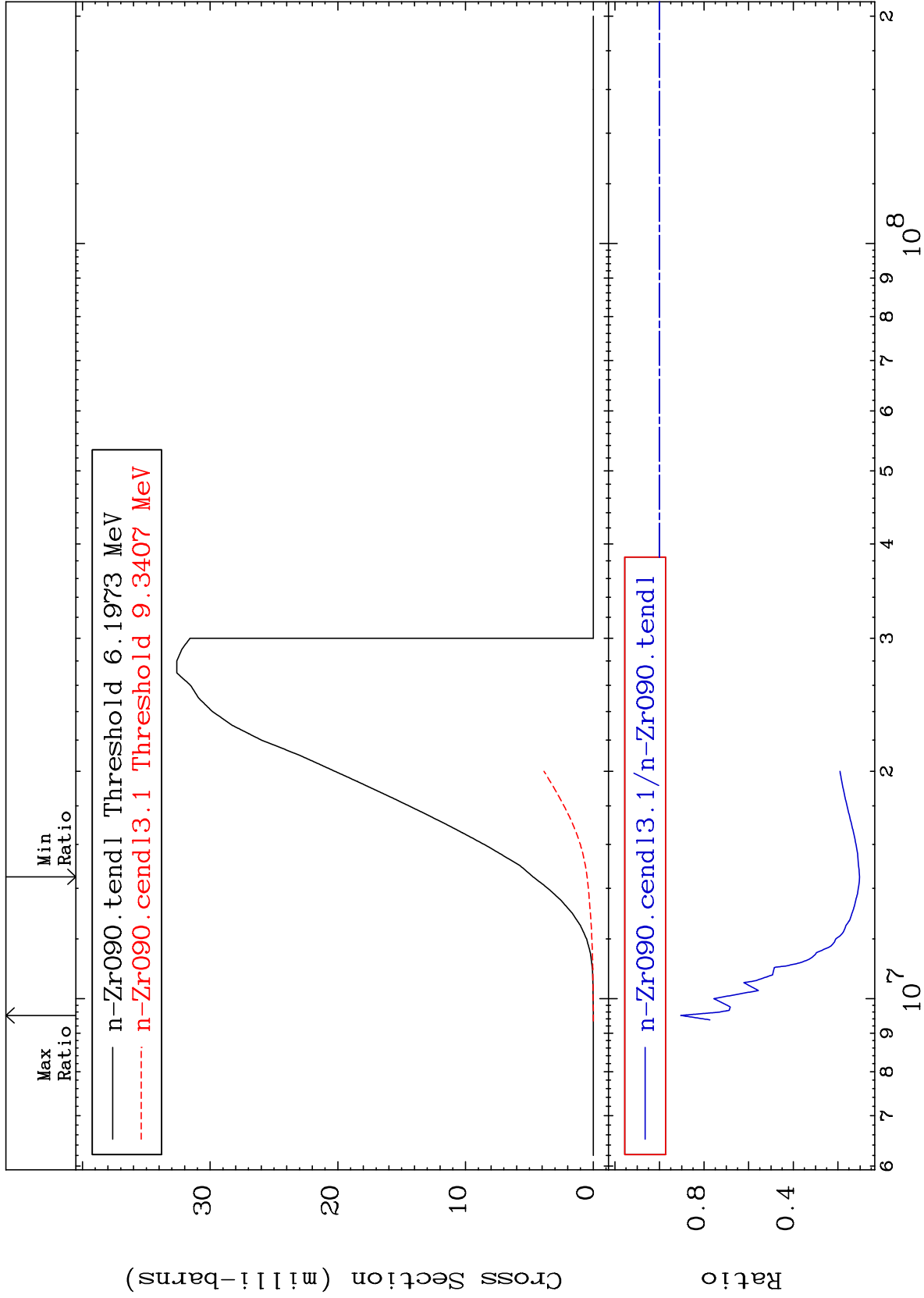
MAT 4025

(n, d)

40-Zr-90

Cross Section

-89.73 To -9.535%



17

40-Zr-90

40-Zr-90

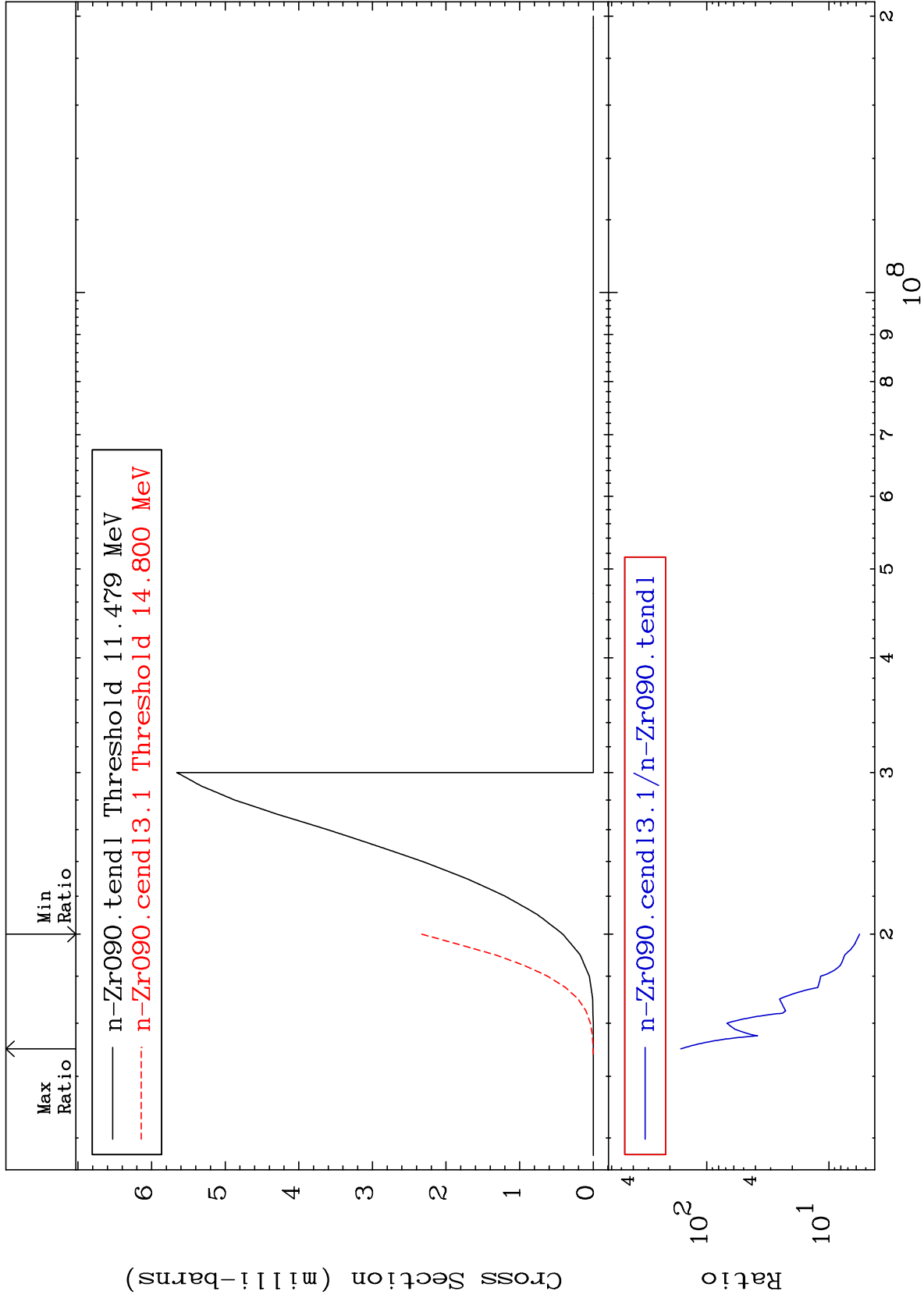
MAT 4025

(n, t)

40-Zr-90

Cross Section

462.8 To 9999. %



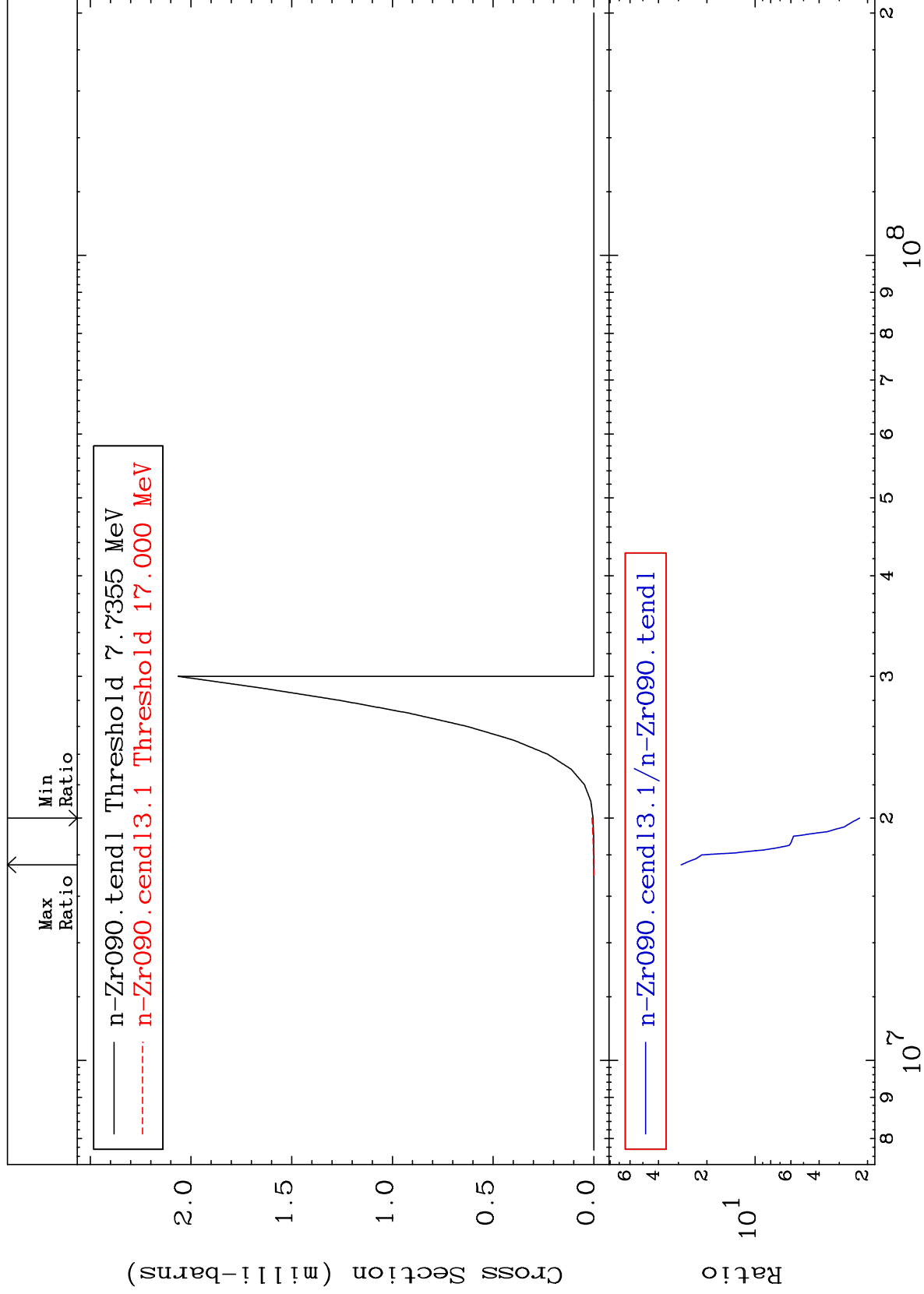
MAT 4025

(n, He-3)

40-Zr-90

Cross Section

124.2 To 2786. %

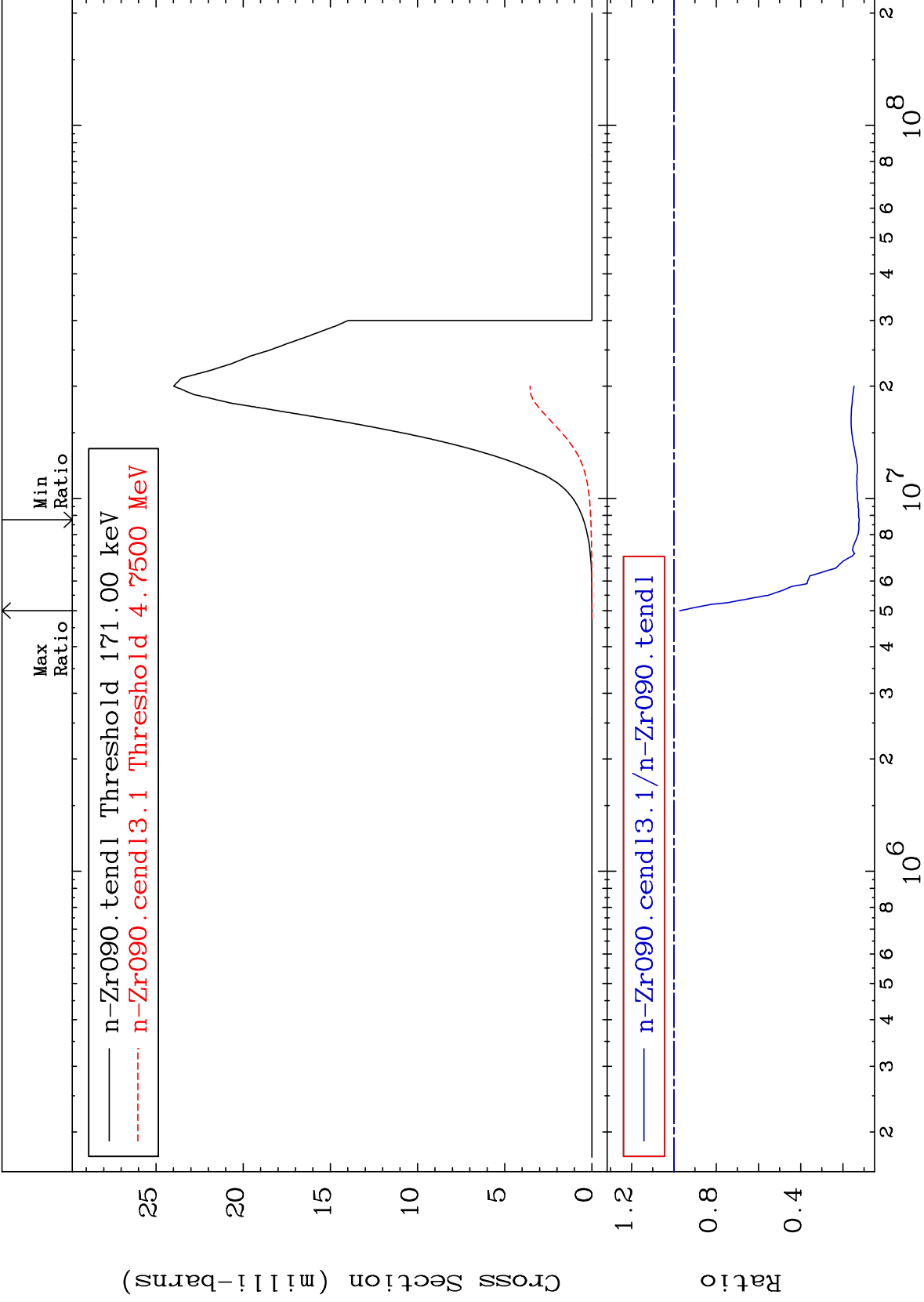


19

MAT 4025

40-Zr-90
-87.69 To -2.767%

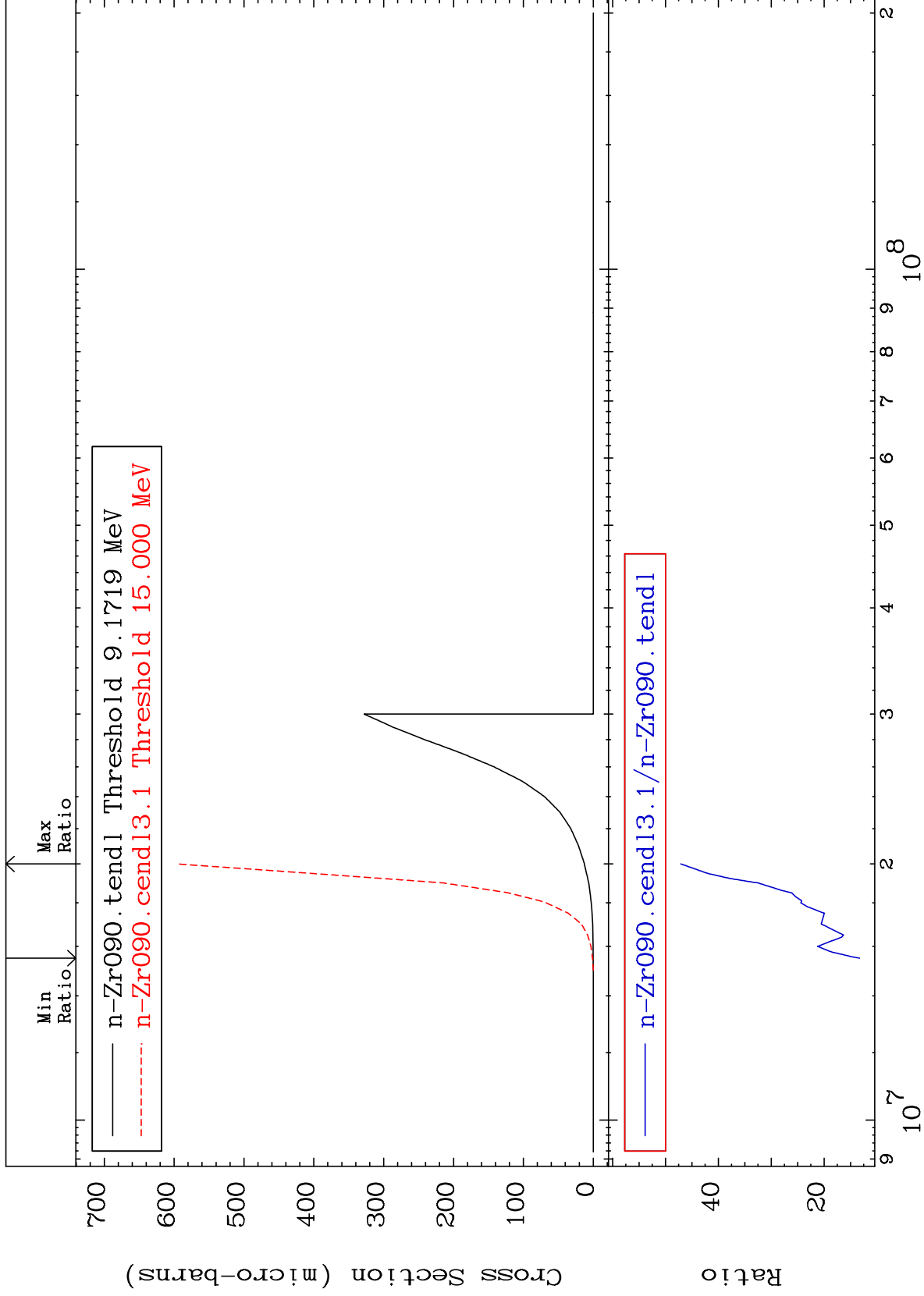
(n, α)
Cross Section

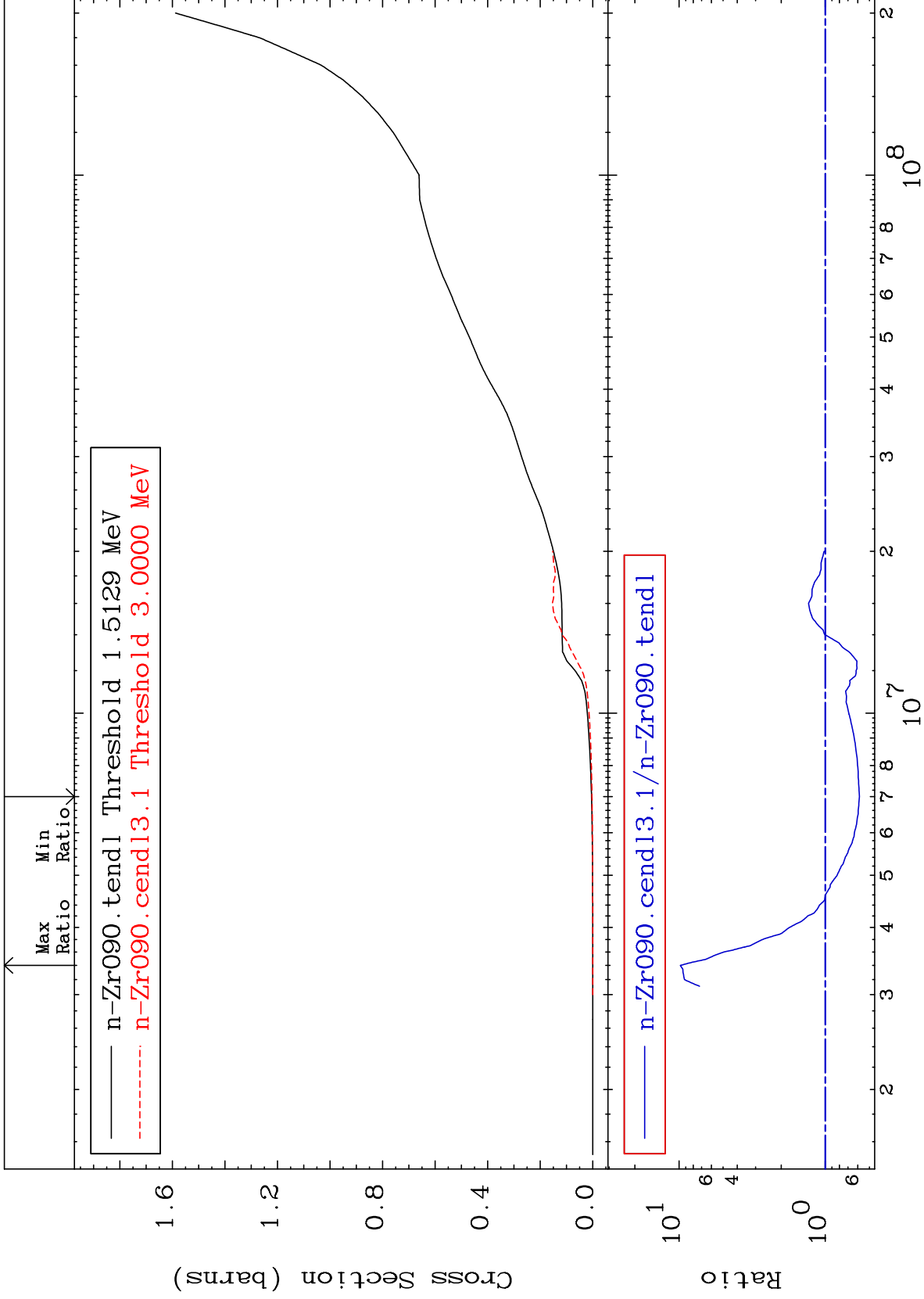


MAT 4025

(n,2p)
Cross Section

40-Zr-90
1229. To 4610. %

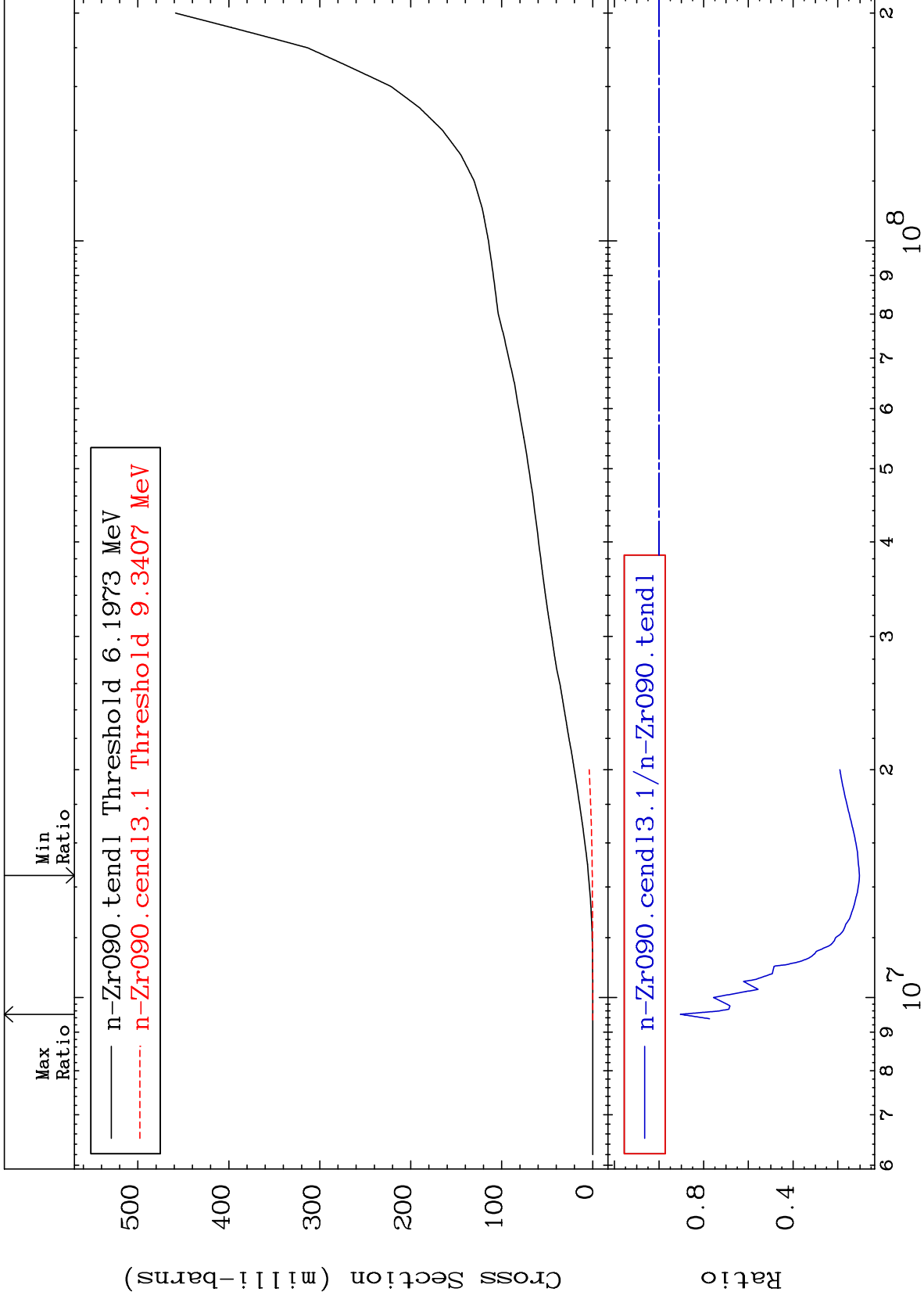


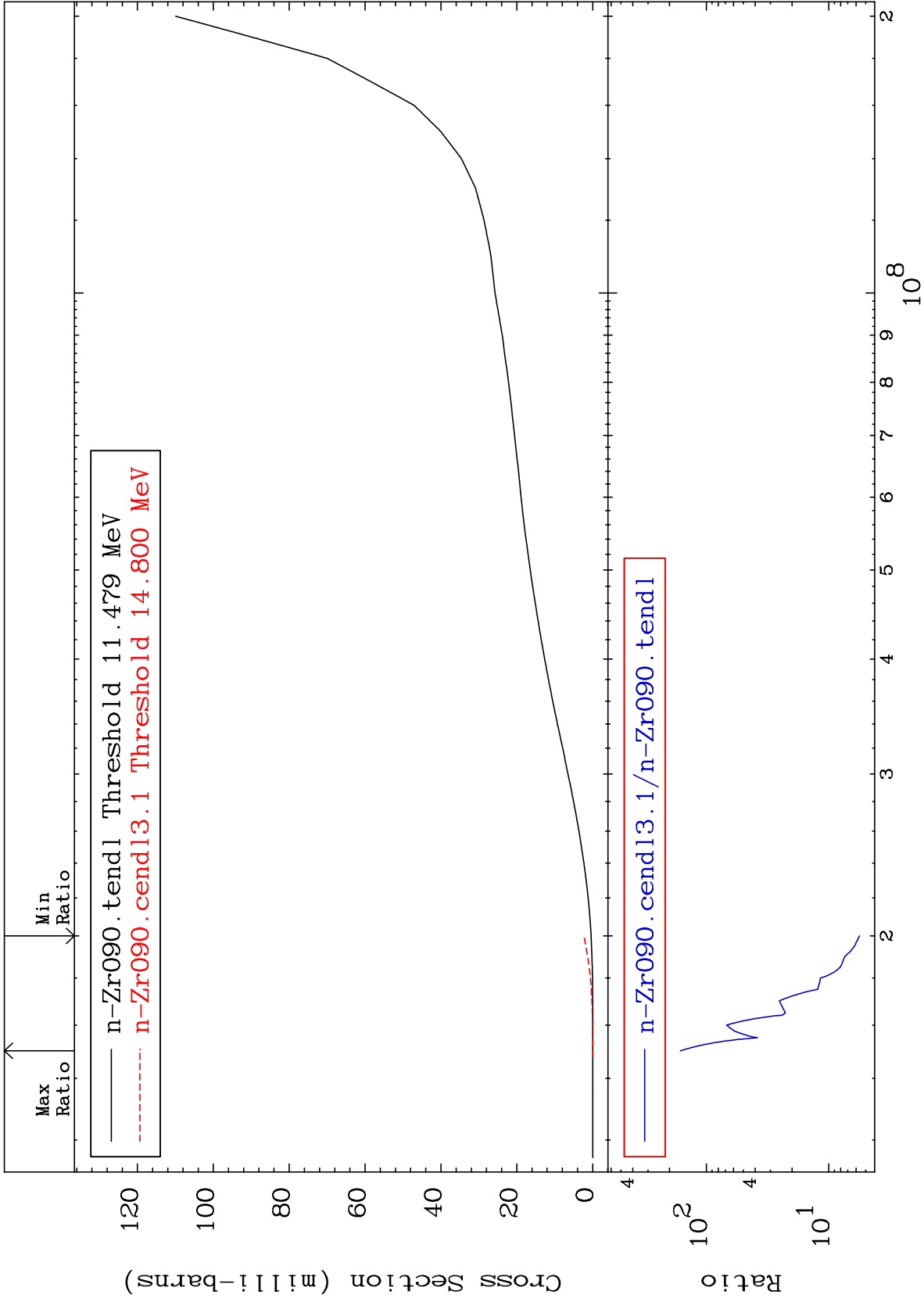


MAT 4025

Deuterium Production
Cross Section

40-Zr-90
-89.73 To -9.535%

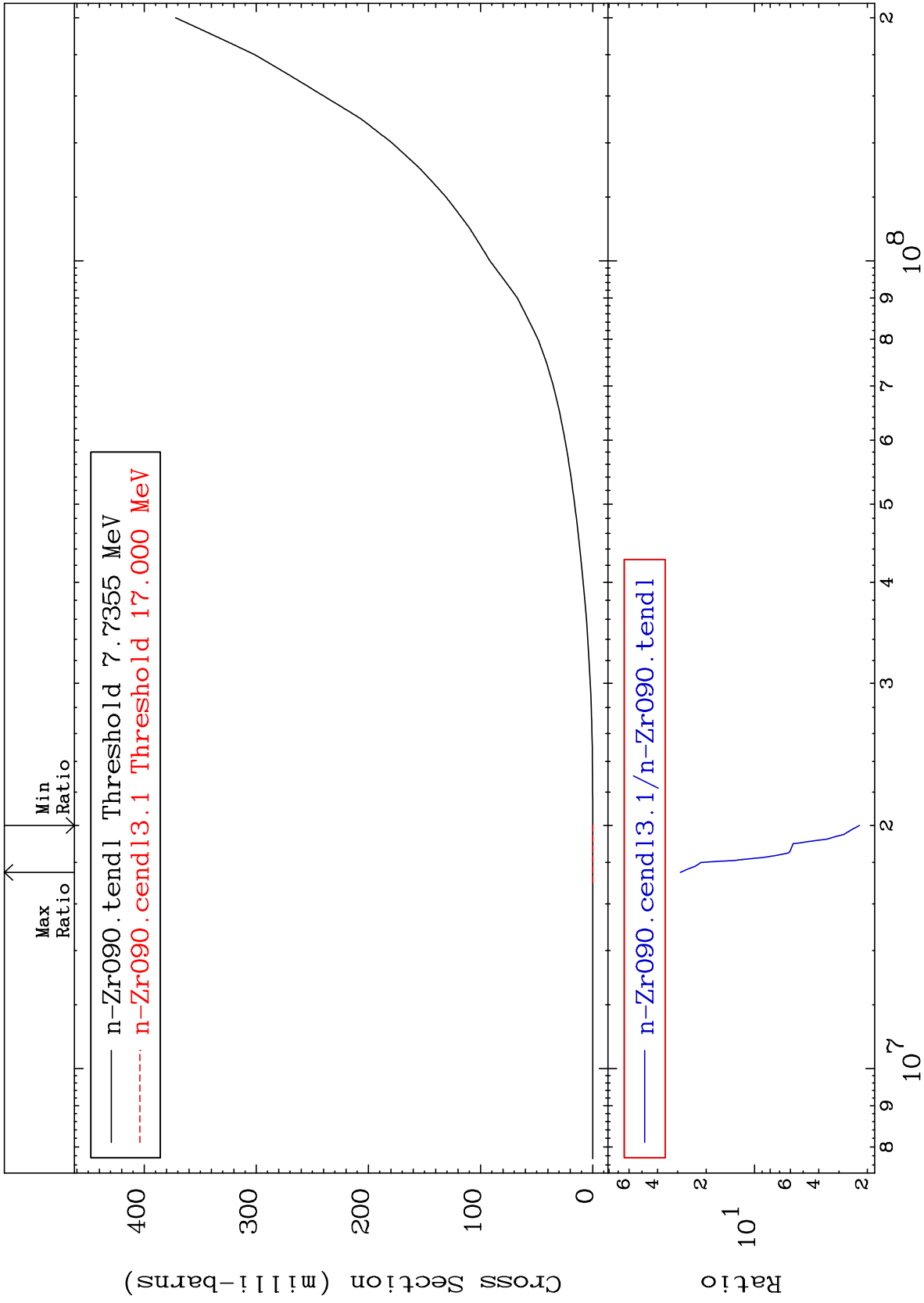




MAT 4025

He-3 Production
Cross Section

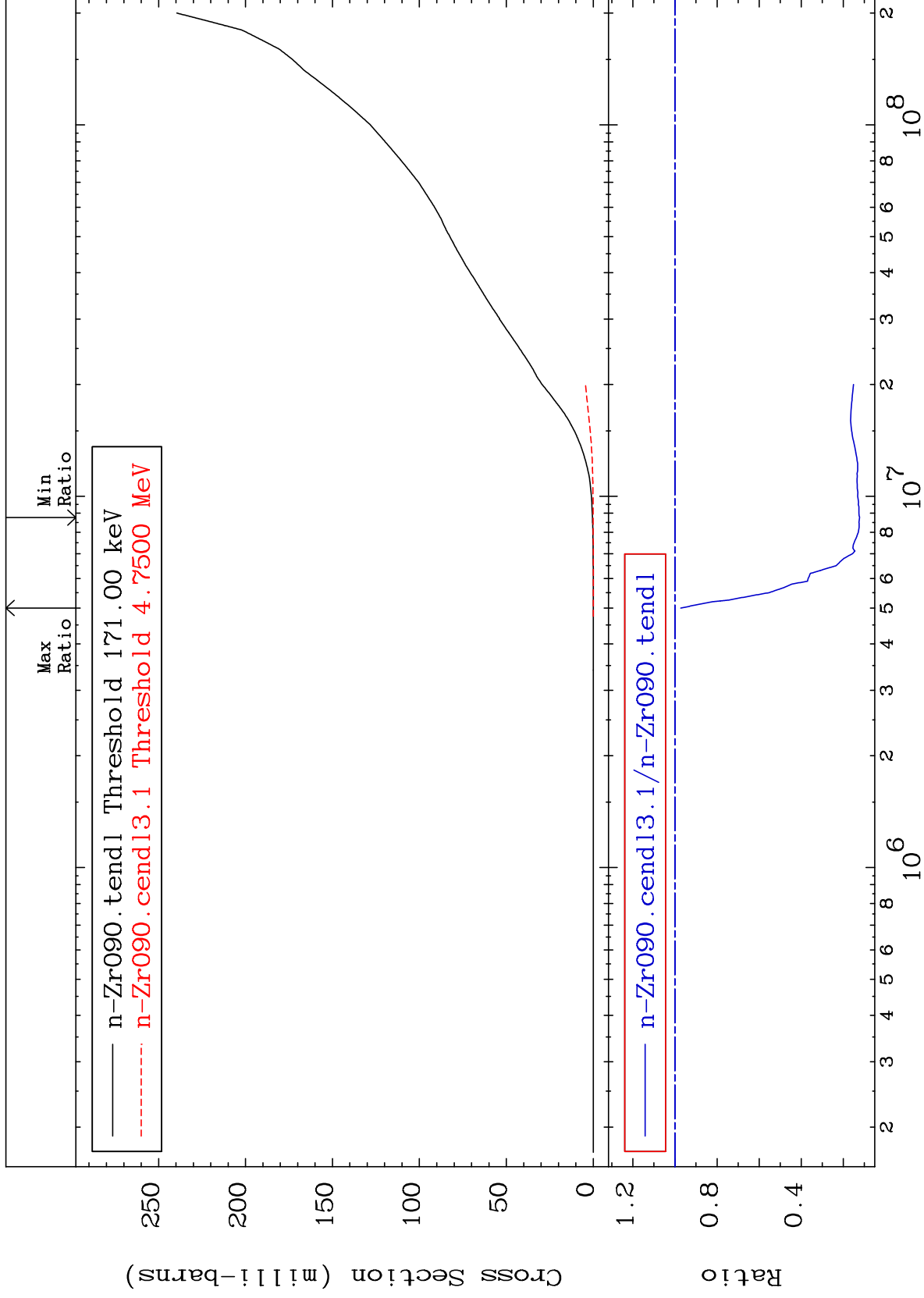
40-Zr-90
124.2 To 2786. %

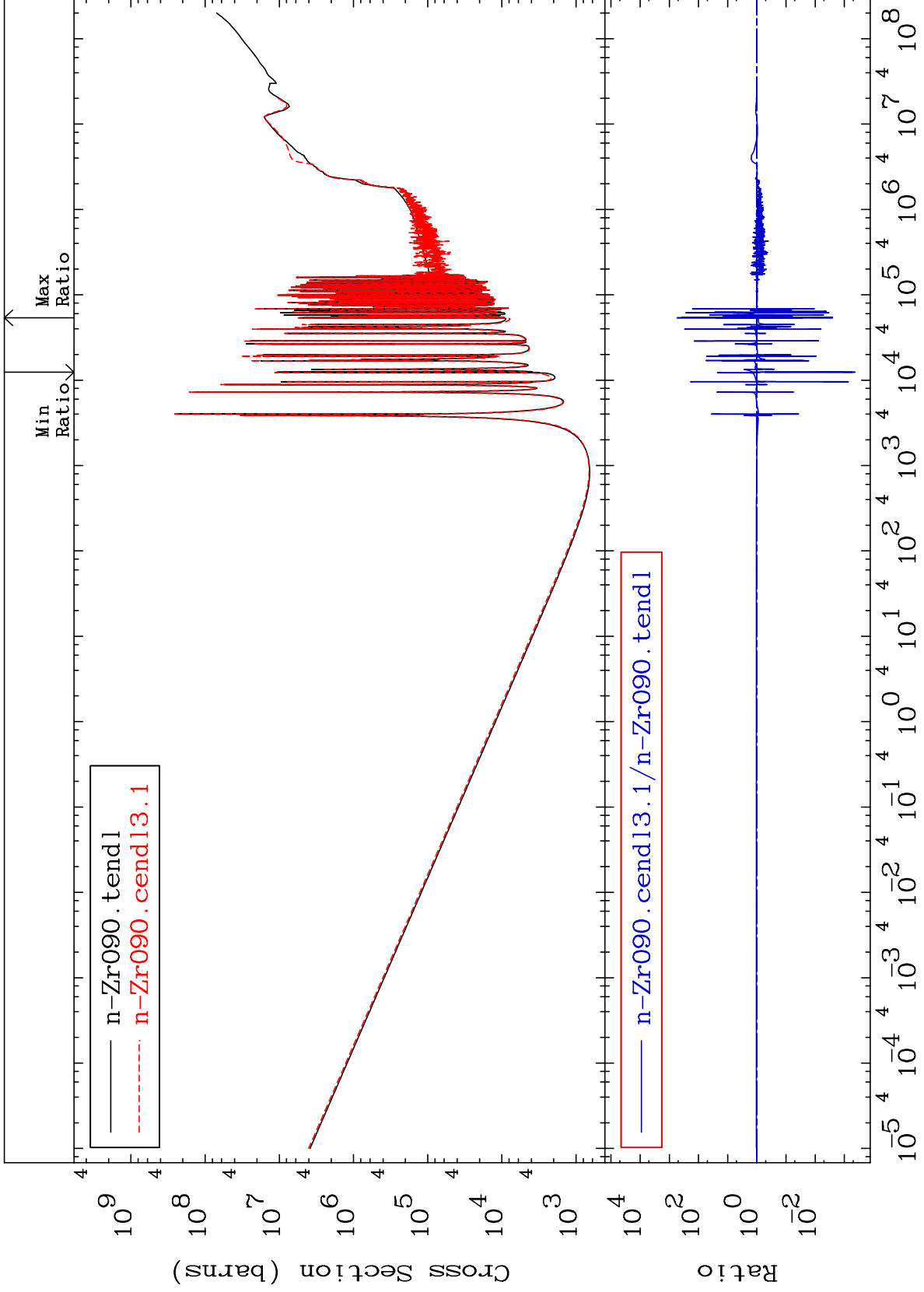


25

Incident Energy (eV)

40-Zr-90

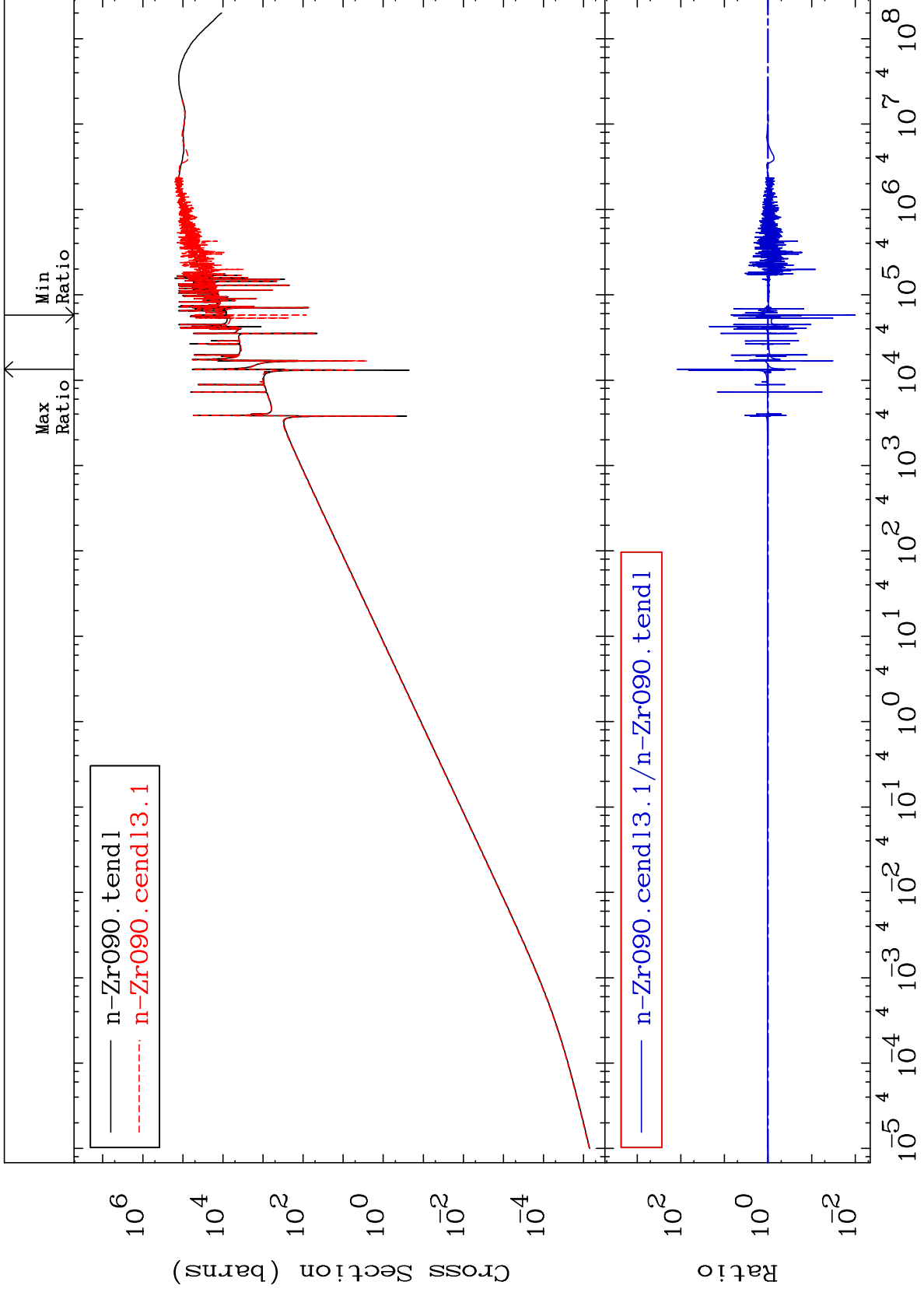


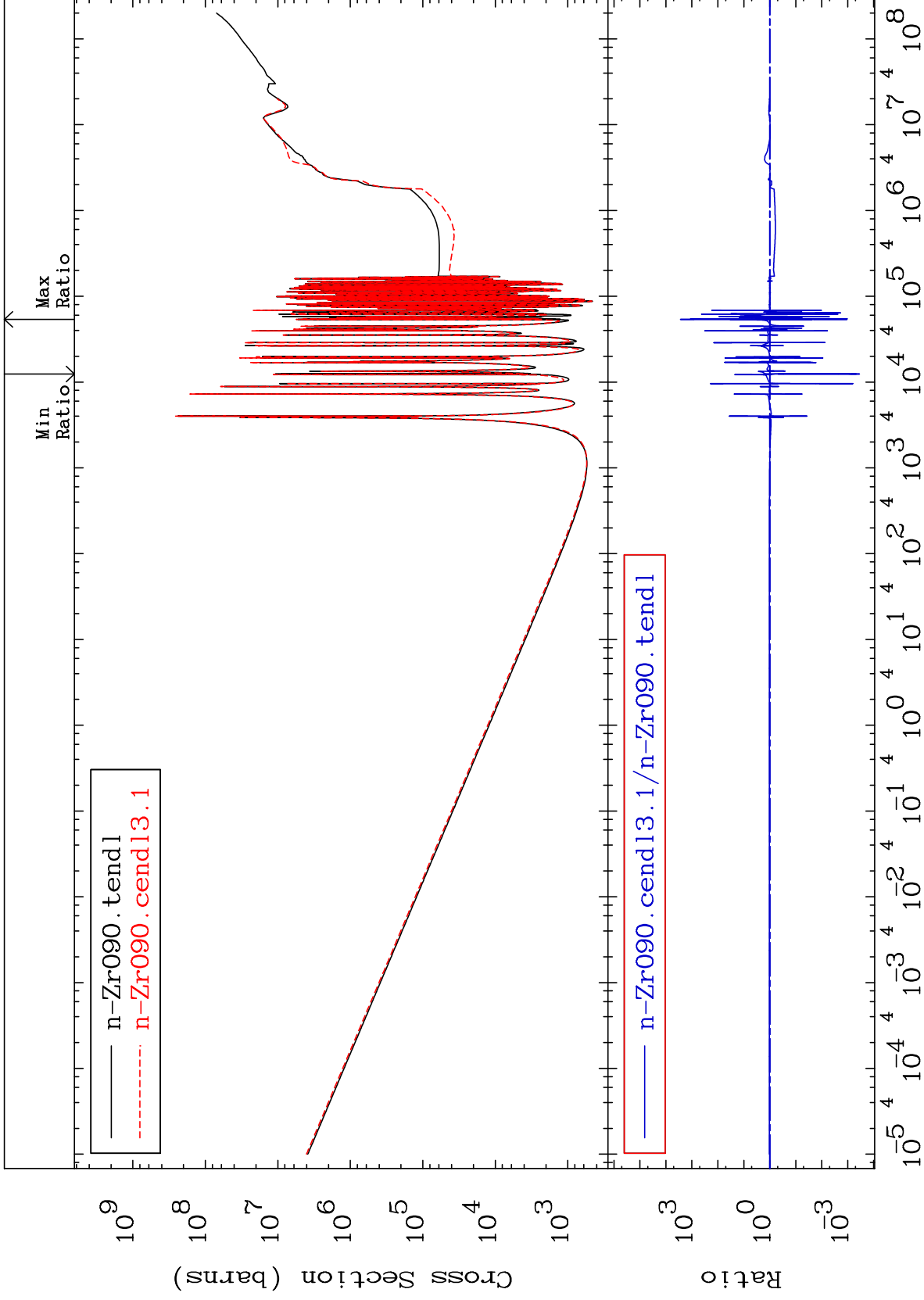


MAT 4025

Kerma elastic
Cross Section

40-Zr-90
-98.99 To 9999. %

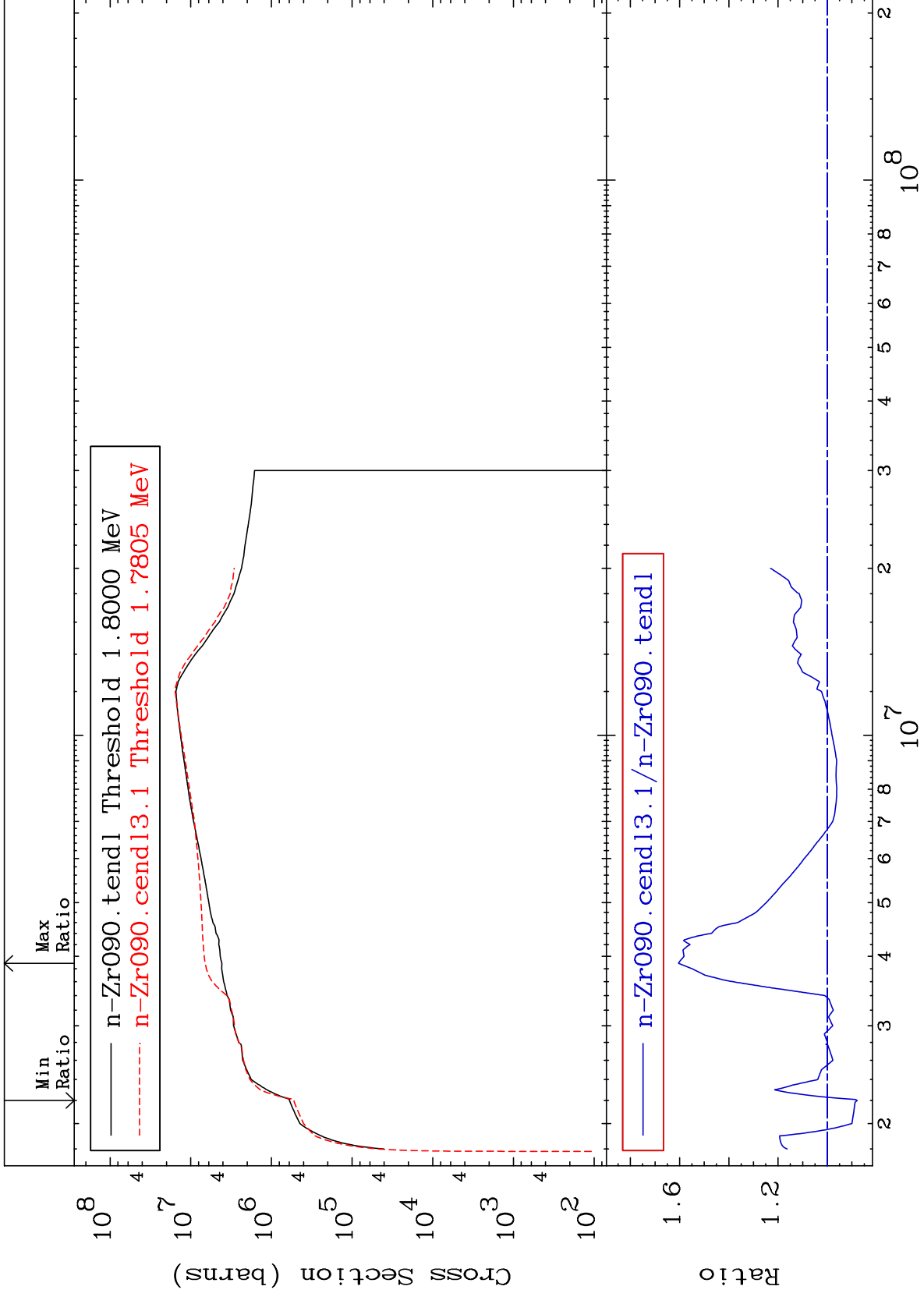




MAT 4025

Kerma inelastic (mt51-91)
Cross Section

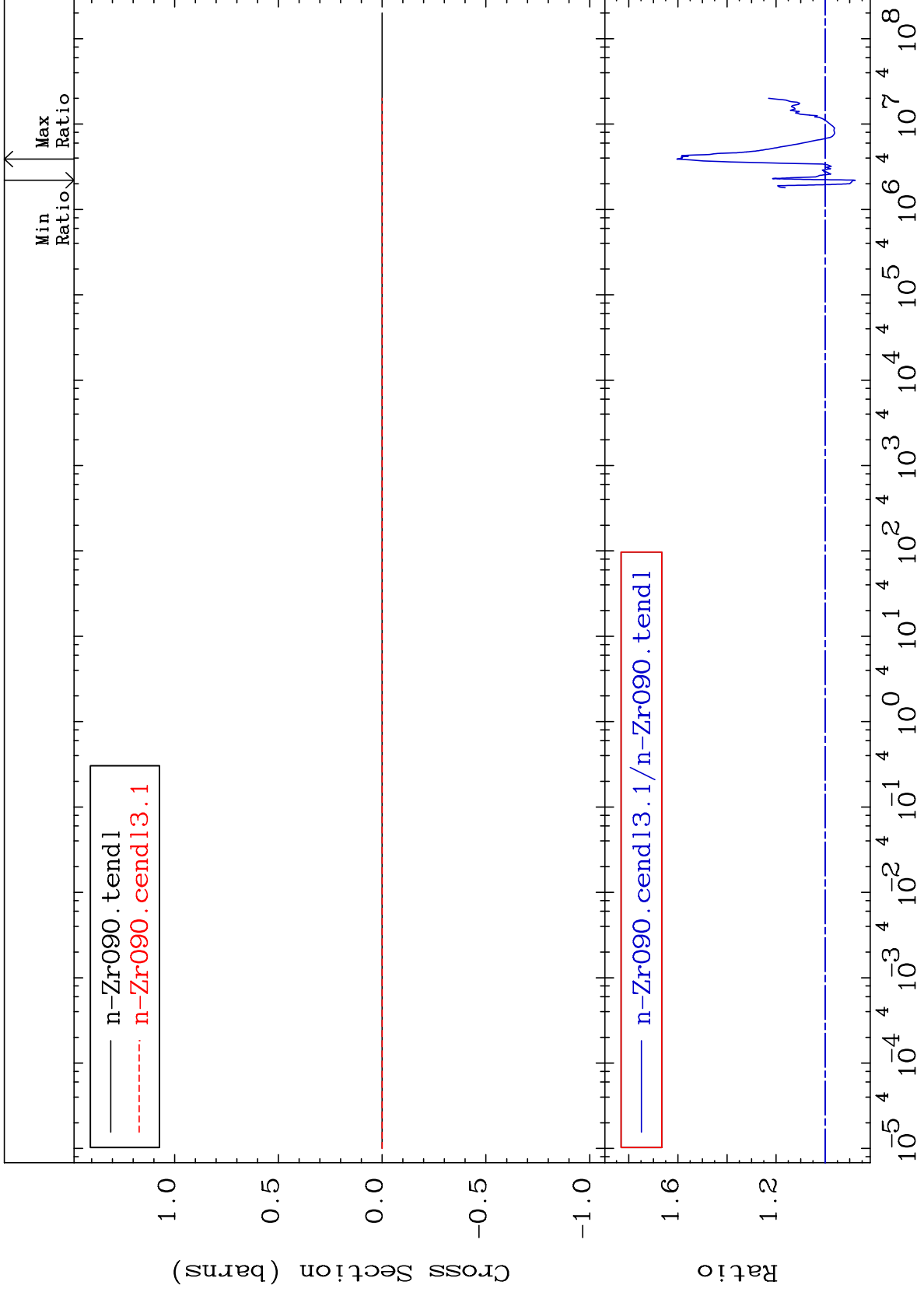
40-Zr-90
-12.17 To 60.40 %

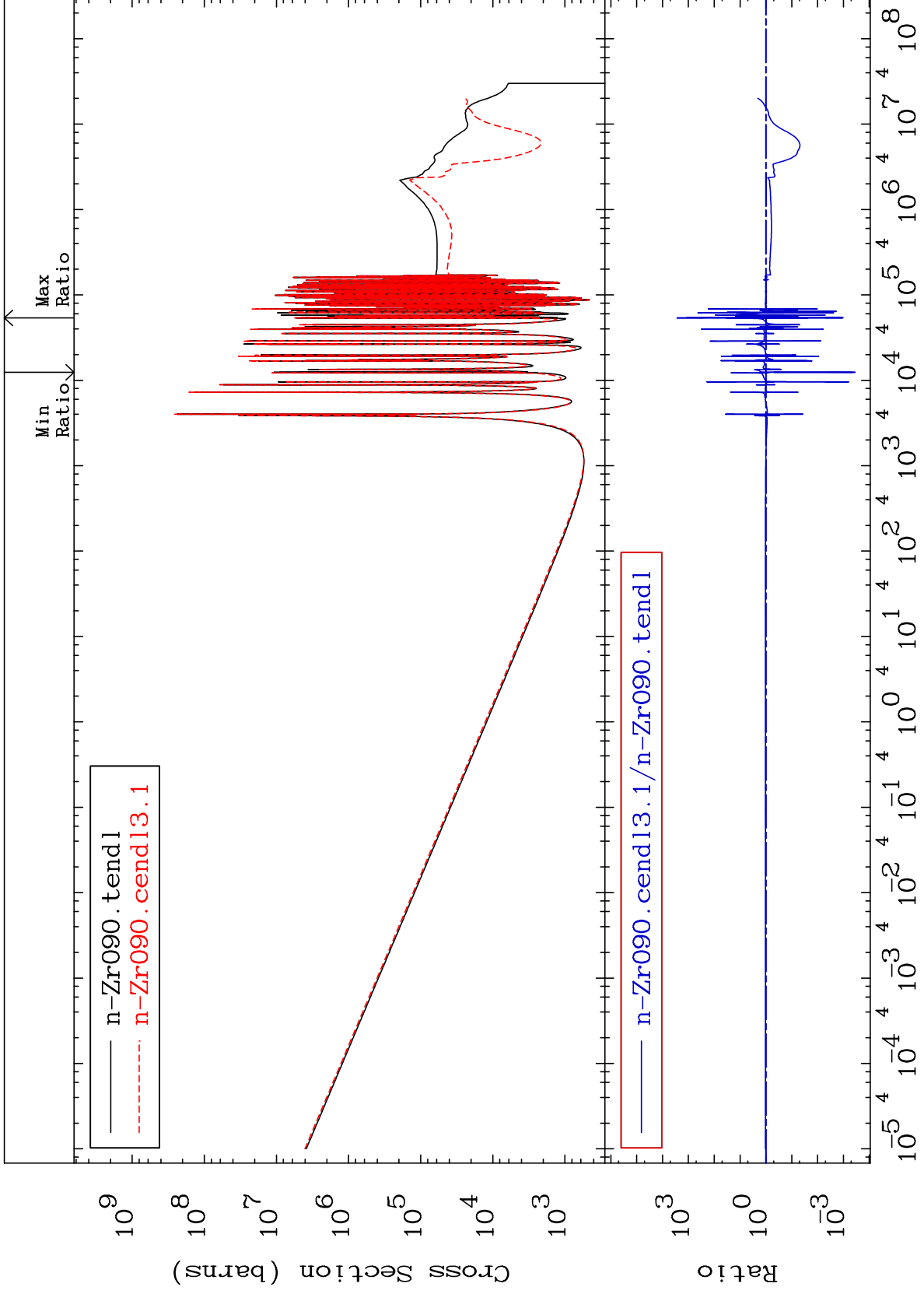


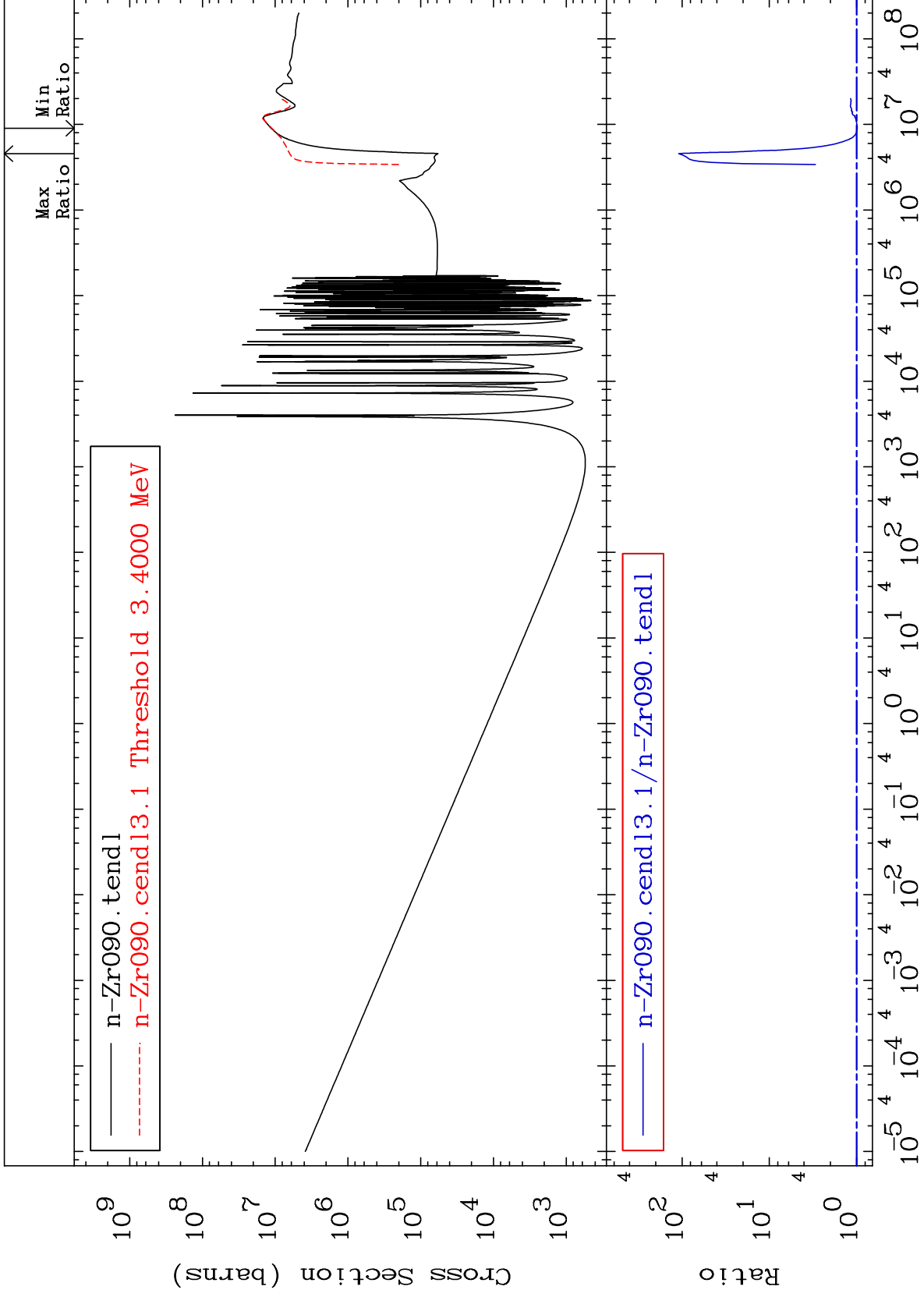
MAT 4025

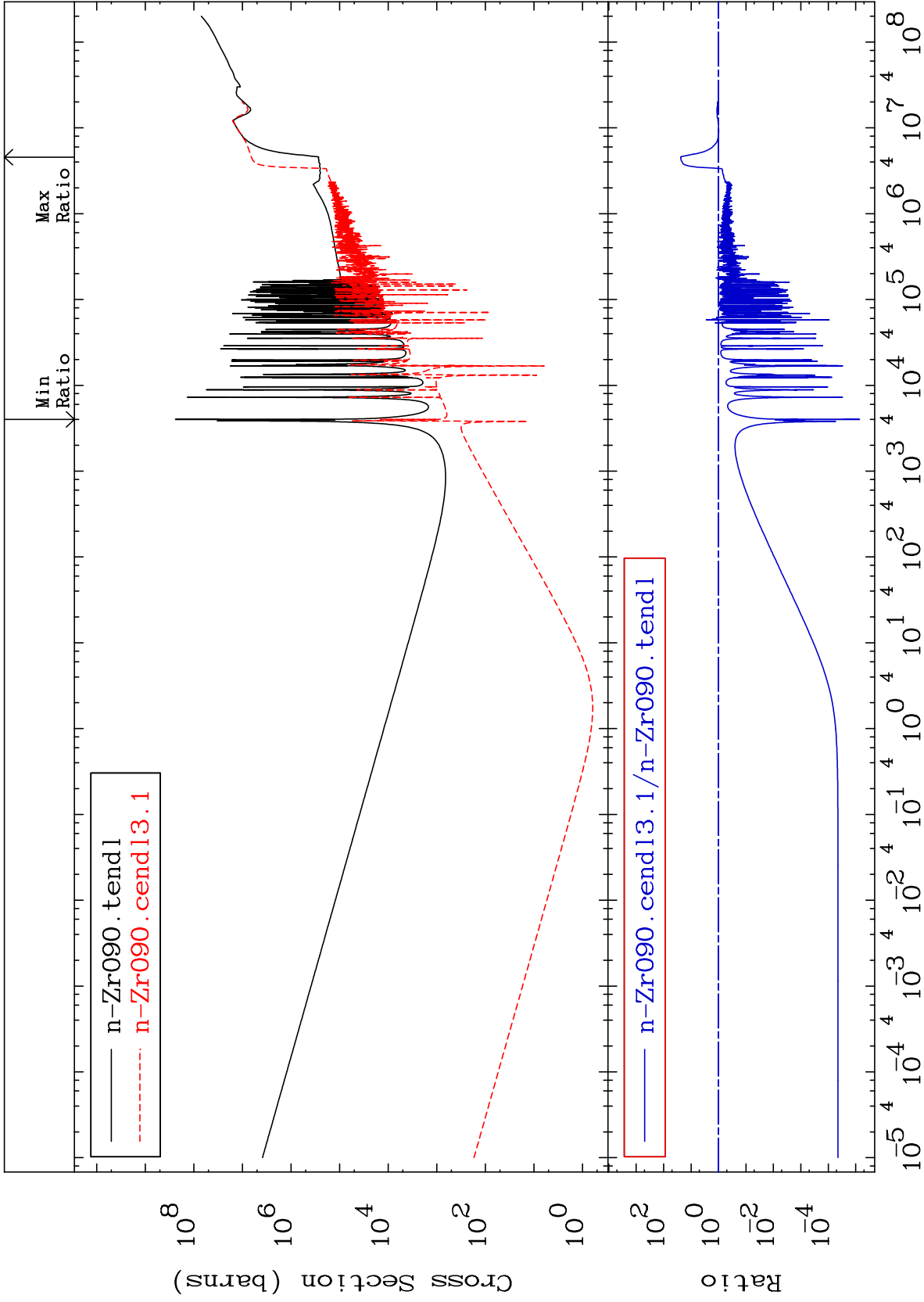
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

40-Zr-90
-12.17 To 60.40 %





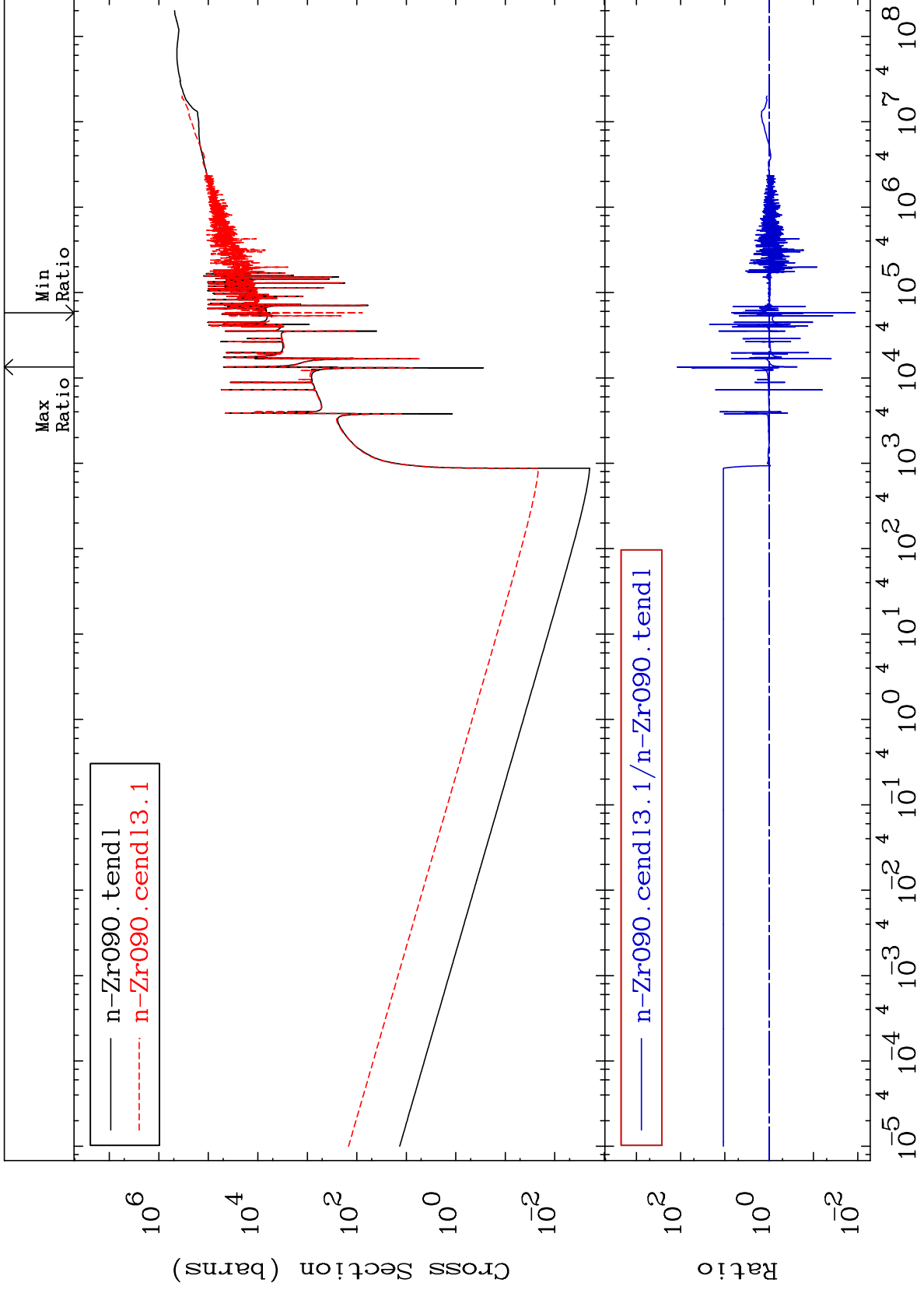




MAT 4025

Dpa total (eV-barns)
Cross Section

40-Zr-90
-98.85 To 9999. %



35

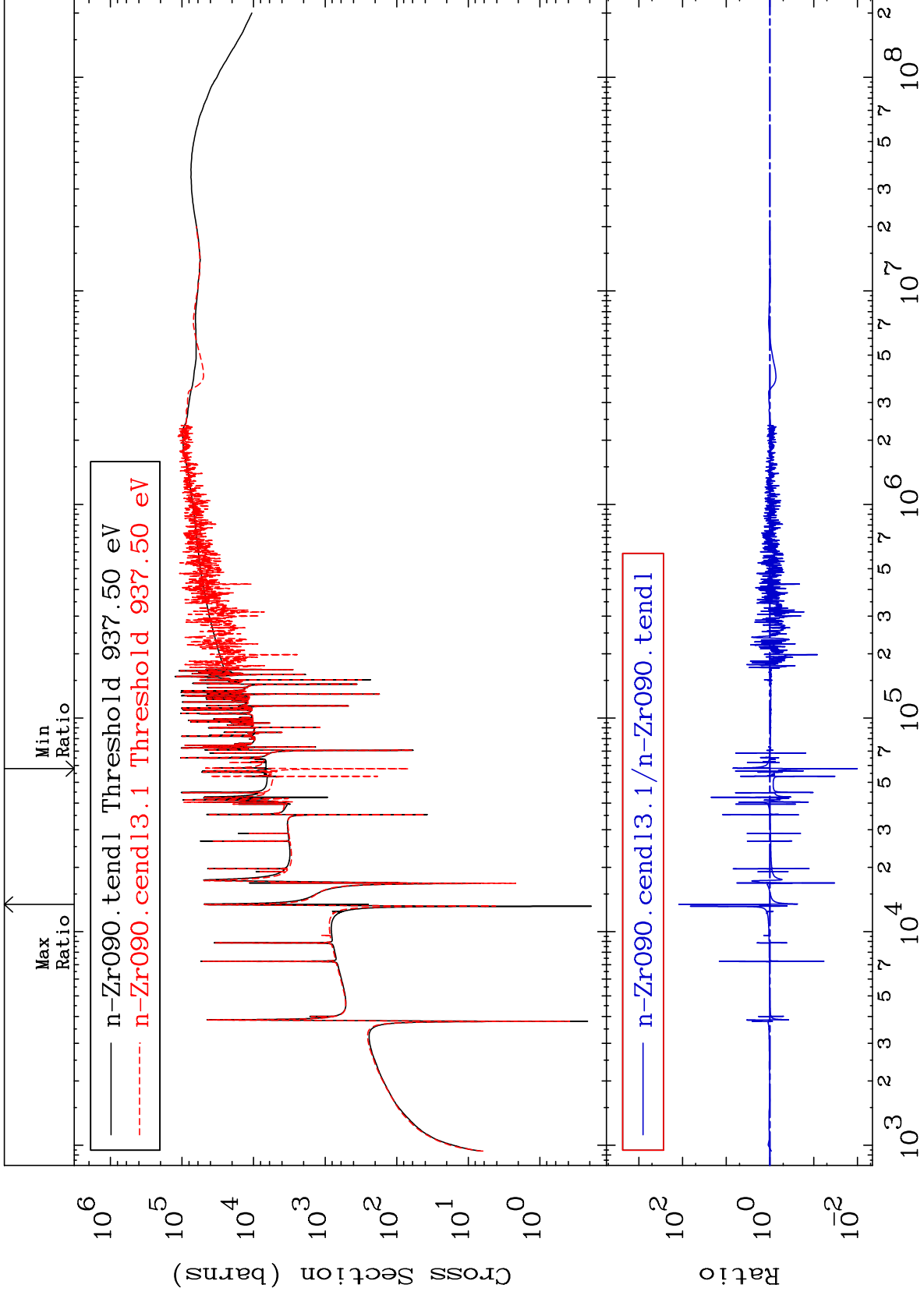
Incident Energy (eV)

40-Zr-90

MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-98.99 To 9999. %



36

40-Zr-90

40-Zr-90

MAT 4025

Dpa inelastic (mt51-91)
Cross Section

40-Zr-90
-12.81 To 99.01 %

