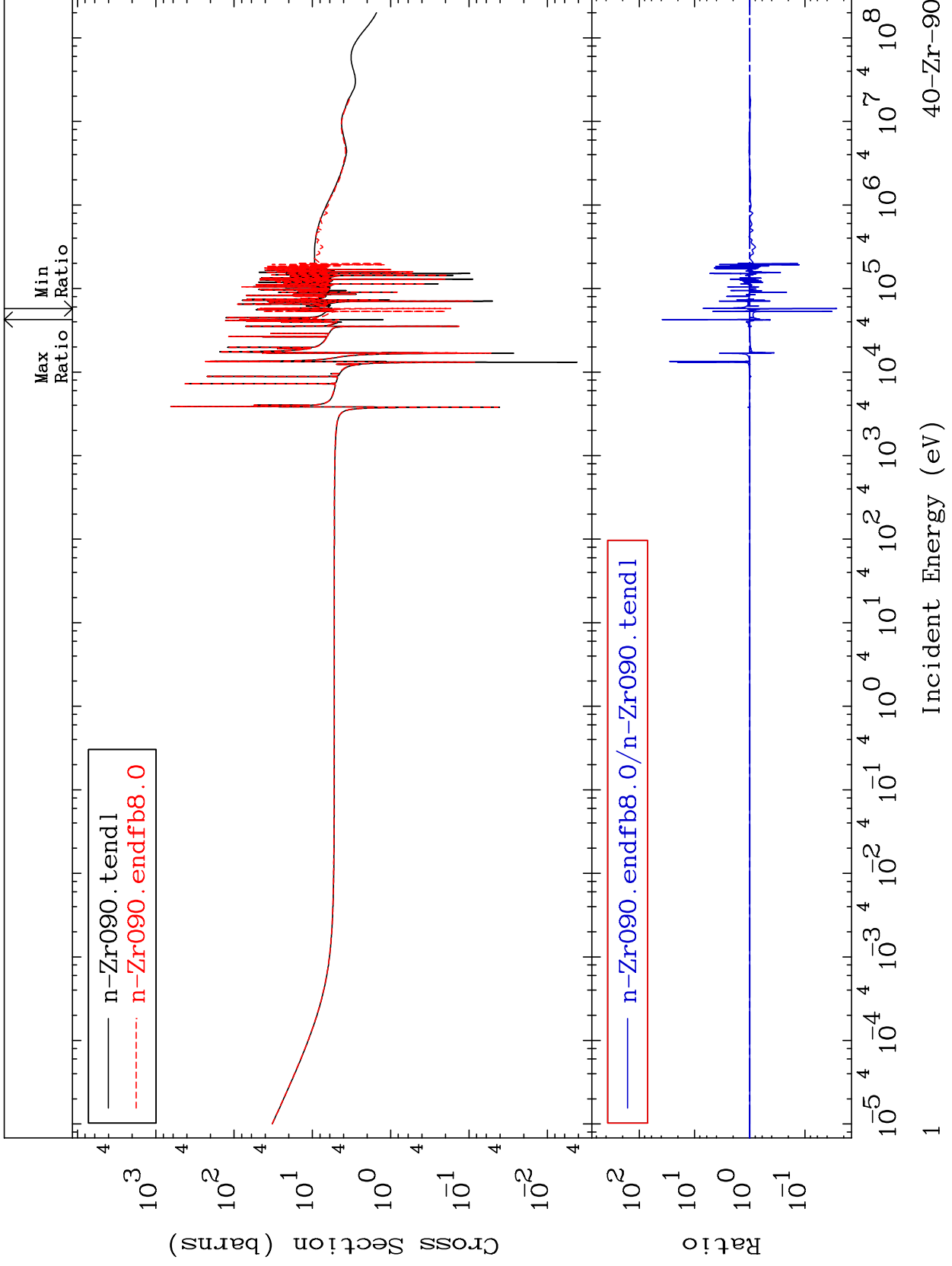


MAT 4025

Total
Cross Section

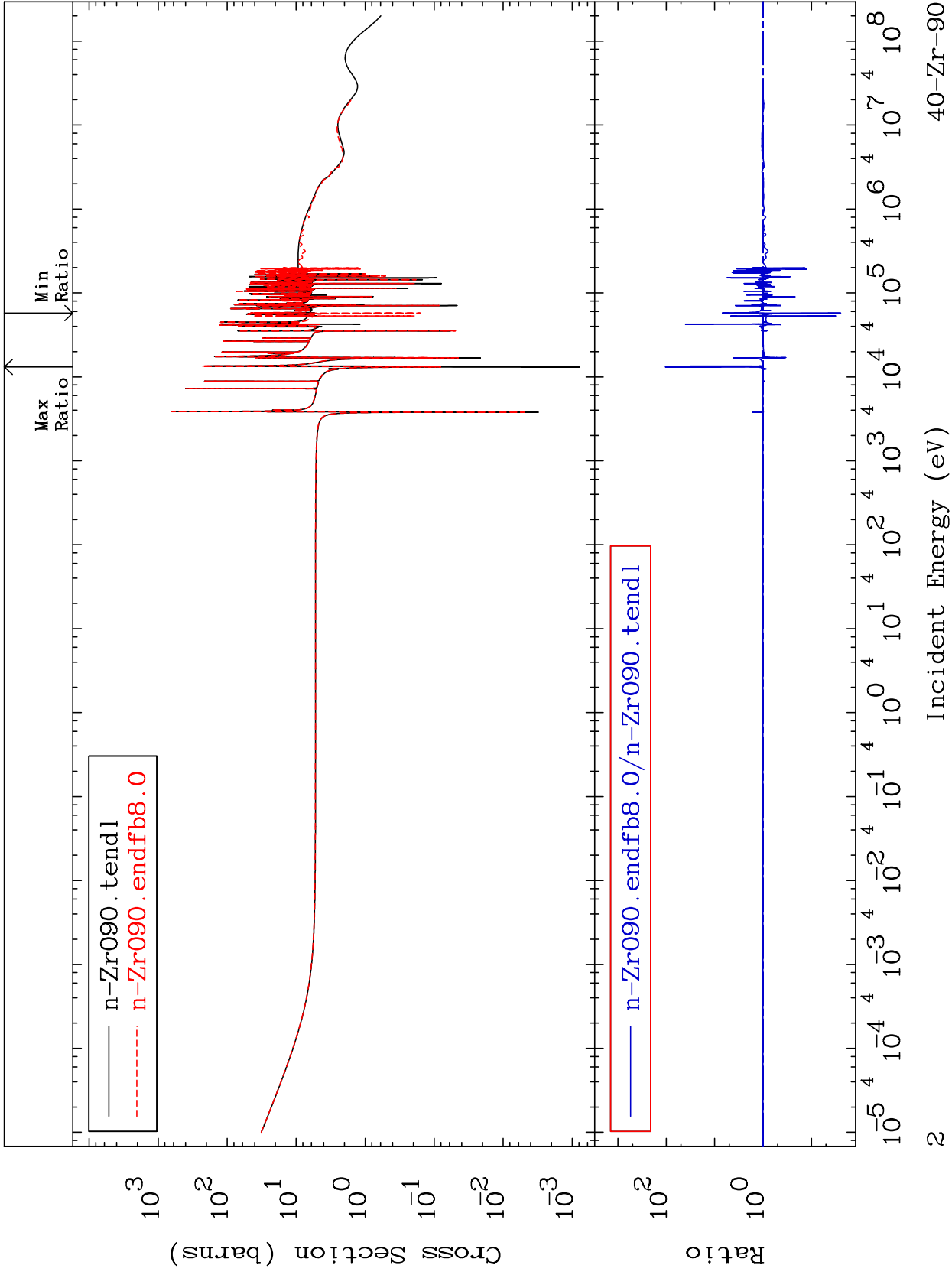
40-Zr-90
-97.32 To 3725. %



MAT 4025

Elastic
Cross Section

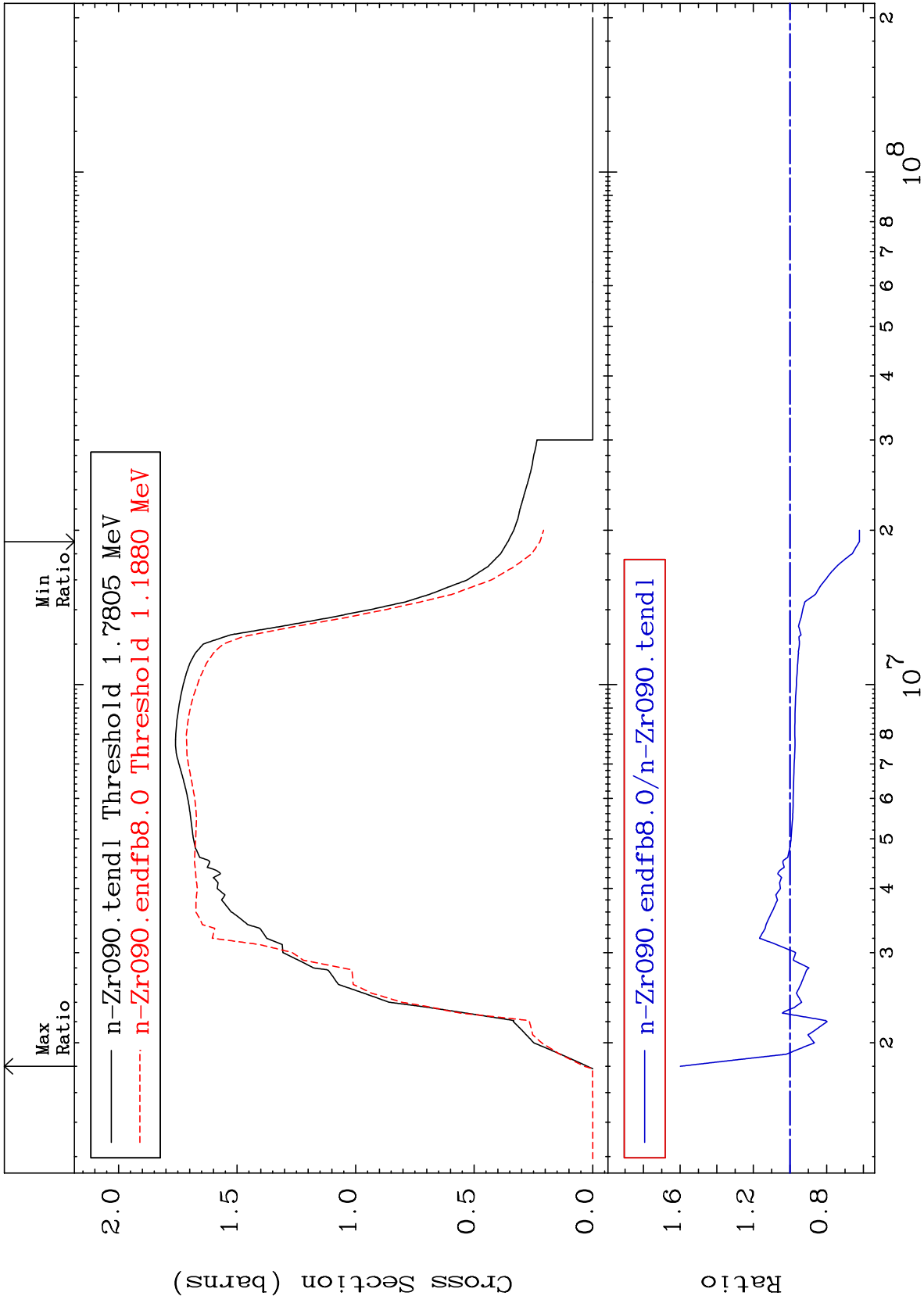
40-Zr-90
-97.52 To 9999. %



MAT 4025

Inelastic
Cross Section

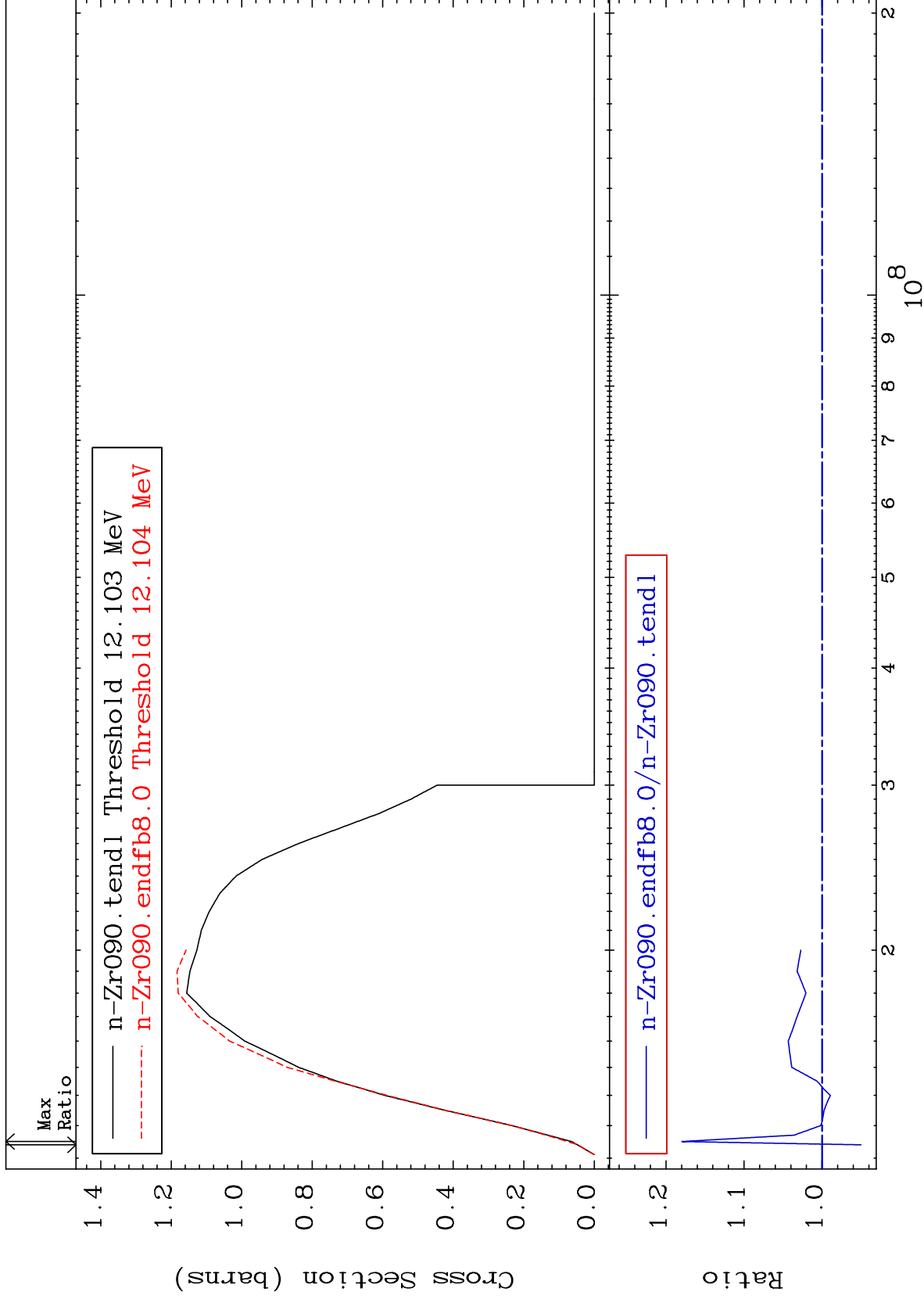
40-Zr-90
-37.84 To 59.84 %



MAT 4025

(n,2n)
Cross Section

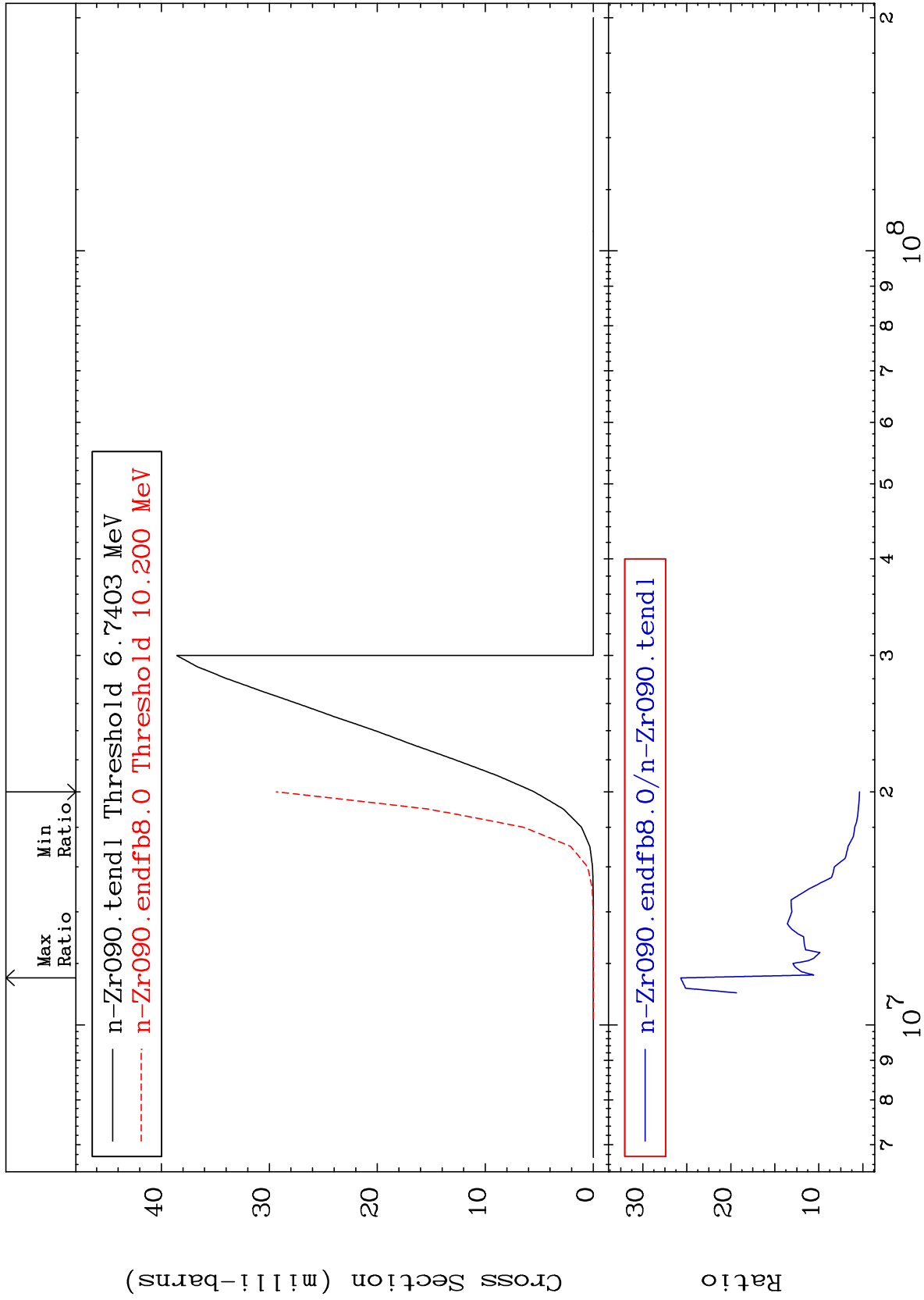
40-Zr-90
-4.994 To 17.96 %



MAT 4025

(n, n') α
Cross Section

40-Zr-90
436.9 To 2469. %



5

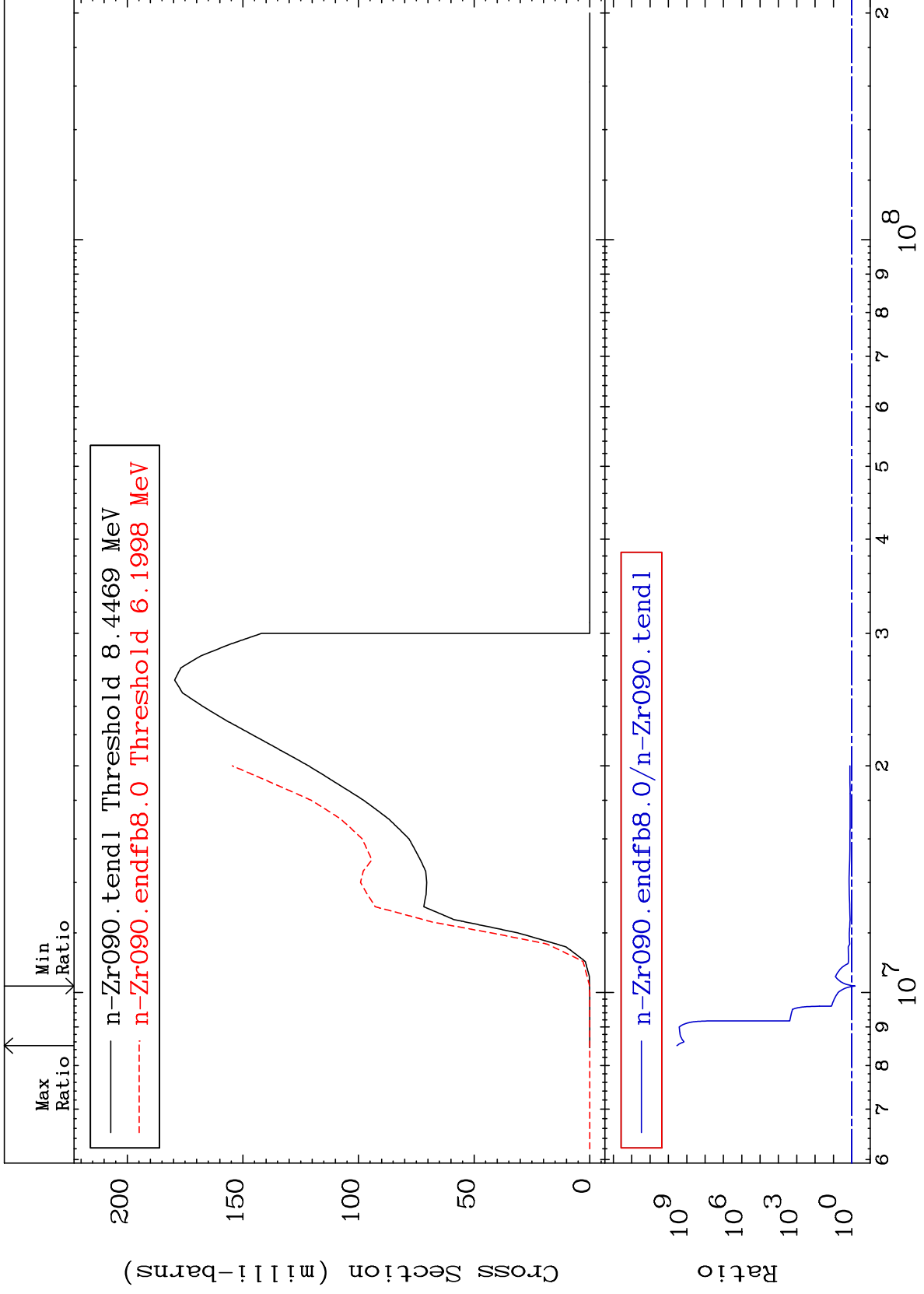
Incident Energy (eV)

40-Zr-90

MAT 4025

(n,n') p
Cross Section

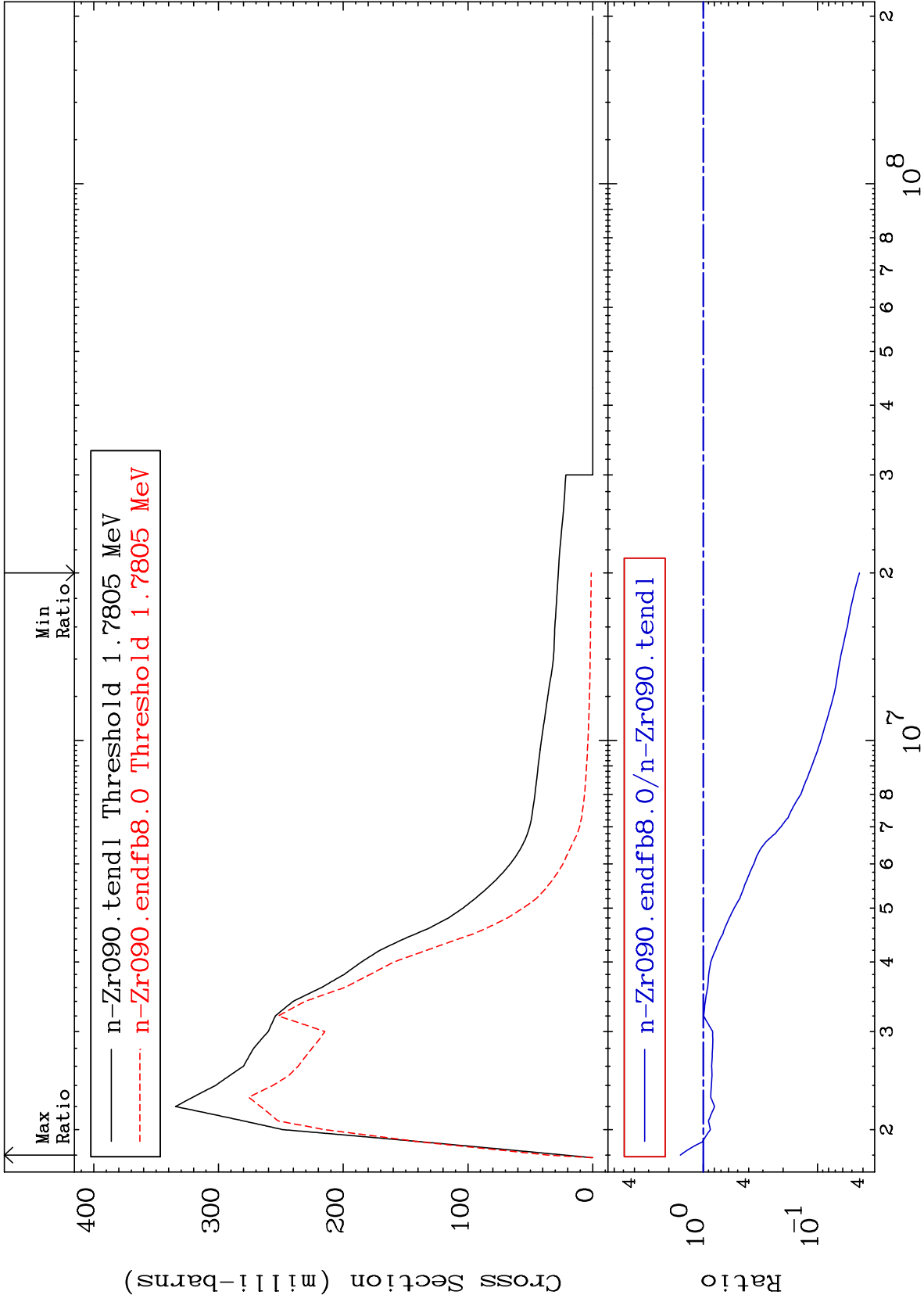
40-Zr-90
-34.04 To 9999. %



MAT 4025

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

40-Zr-90
-95.71 To 58.50 %



7

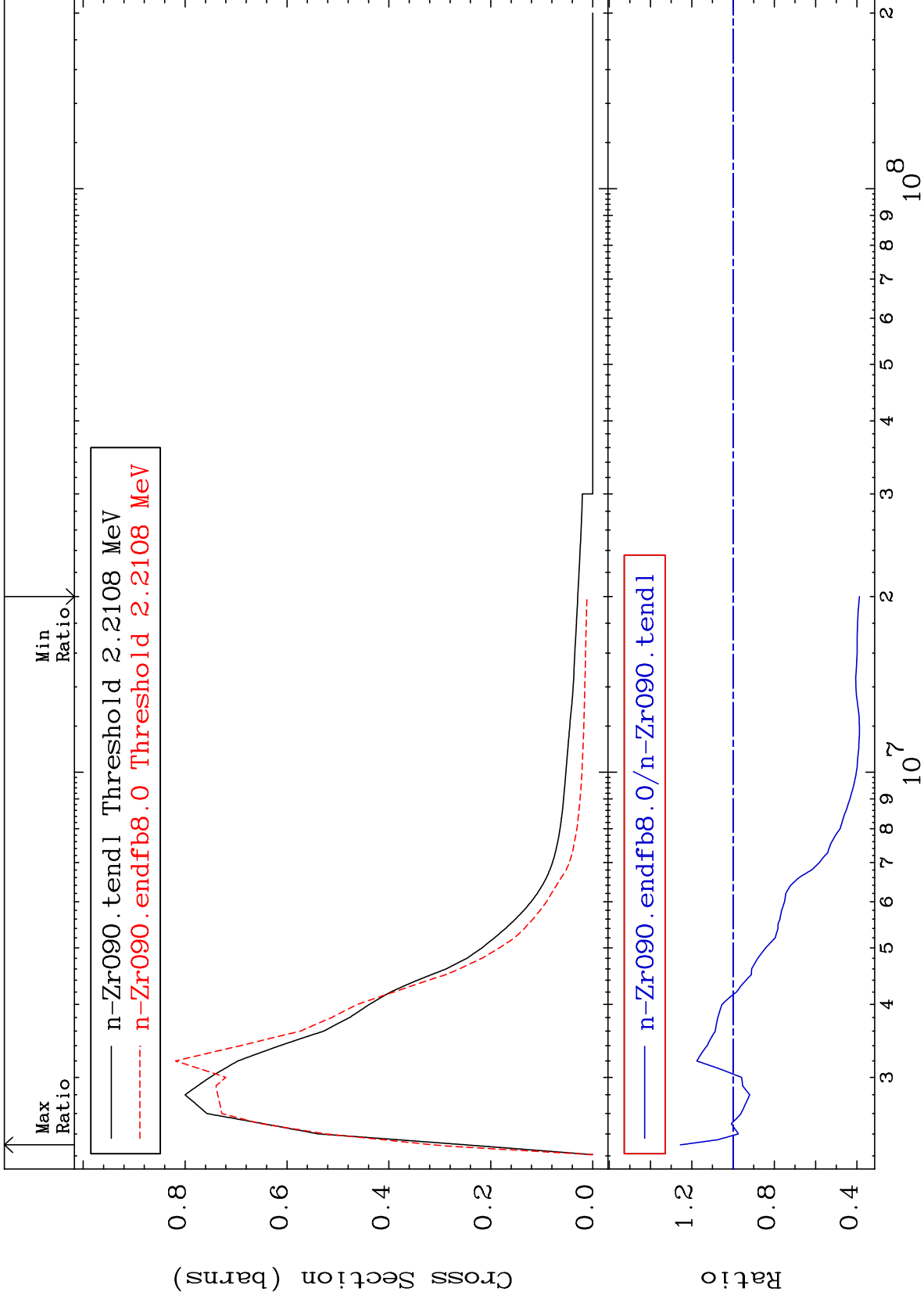
Incident Energy (eV)

40-Zr-90

MAT 4025

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

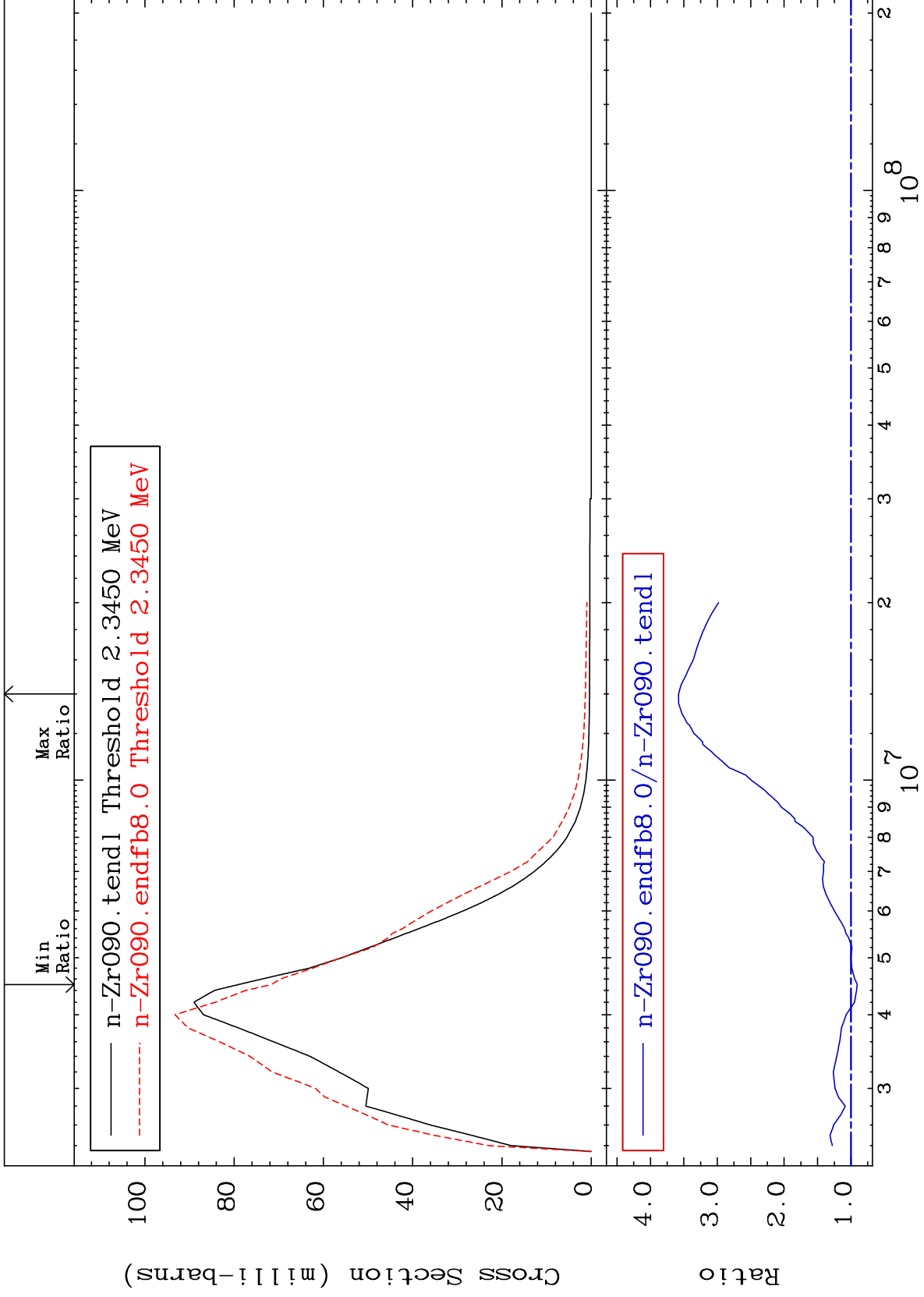
40-Zr-90
-61.23 To 25.53 %



MAT 4025

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

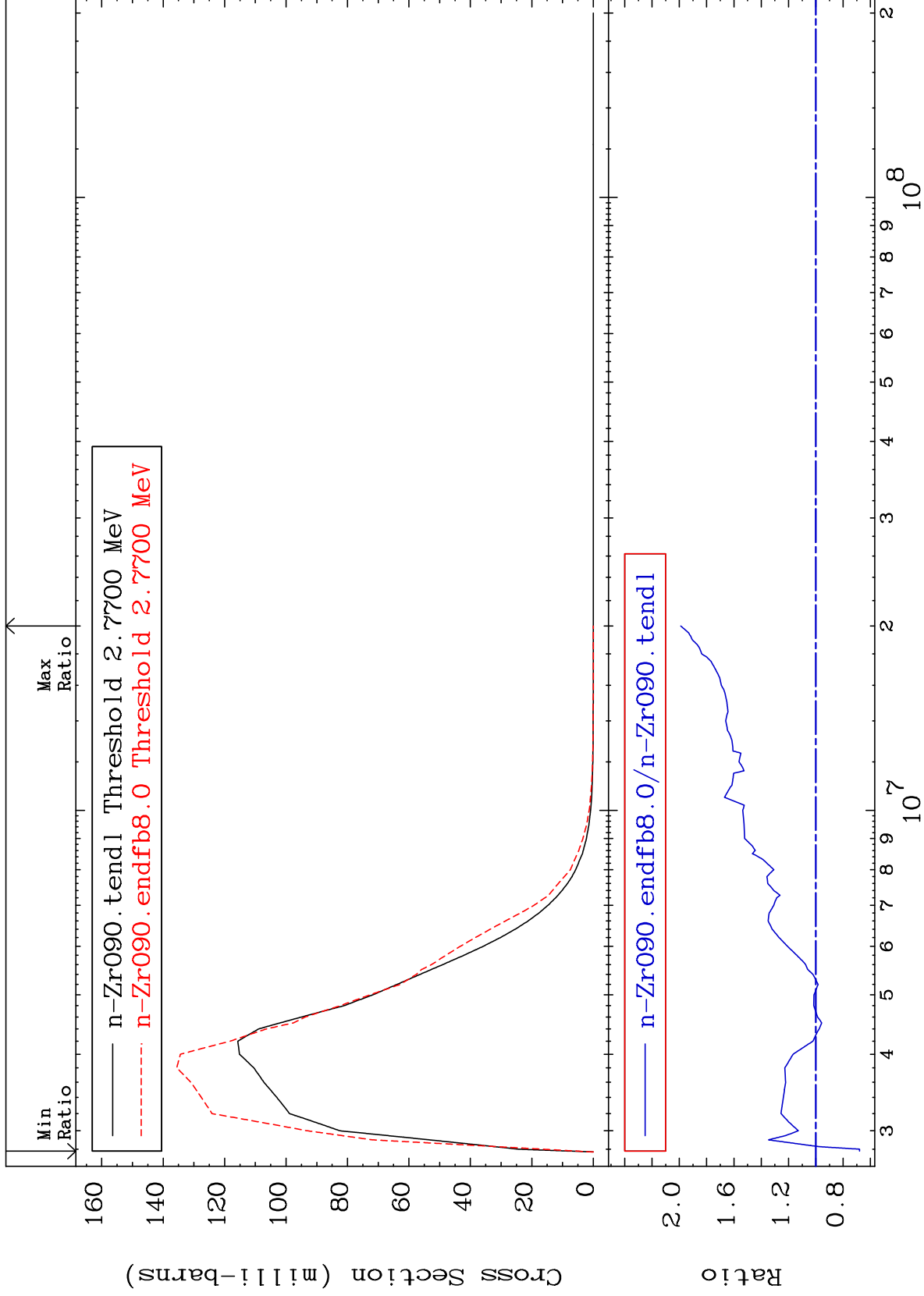
40-Zr-90
-9.380 To 257.8 %



MAT 4025

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

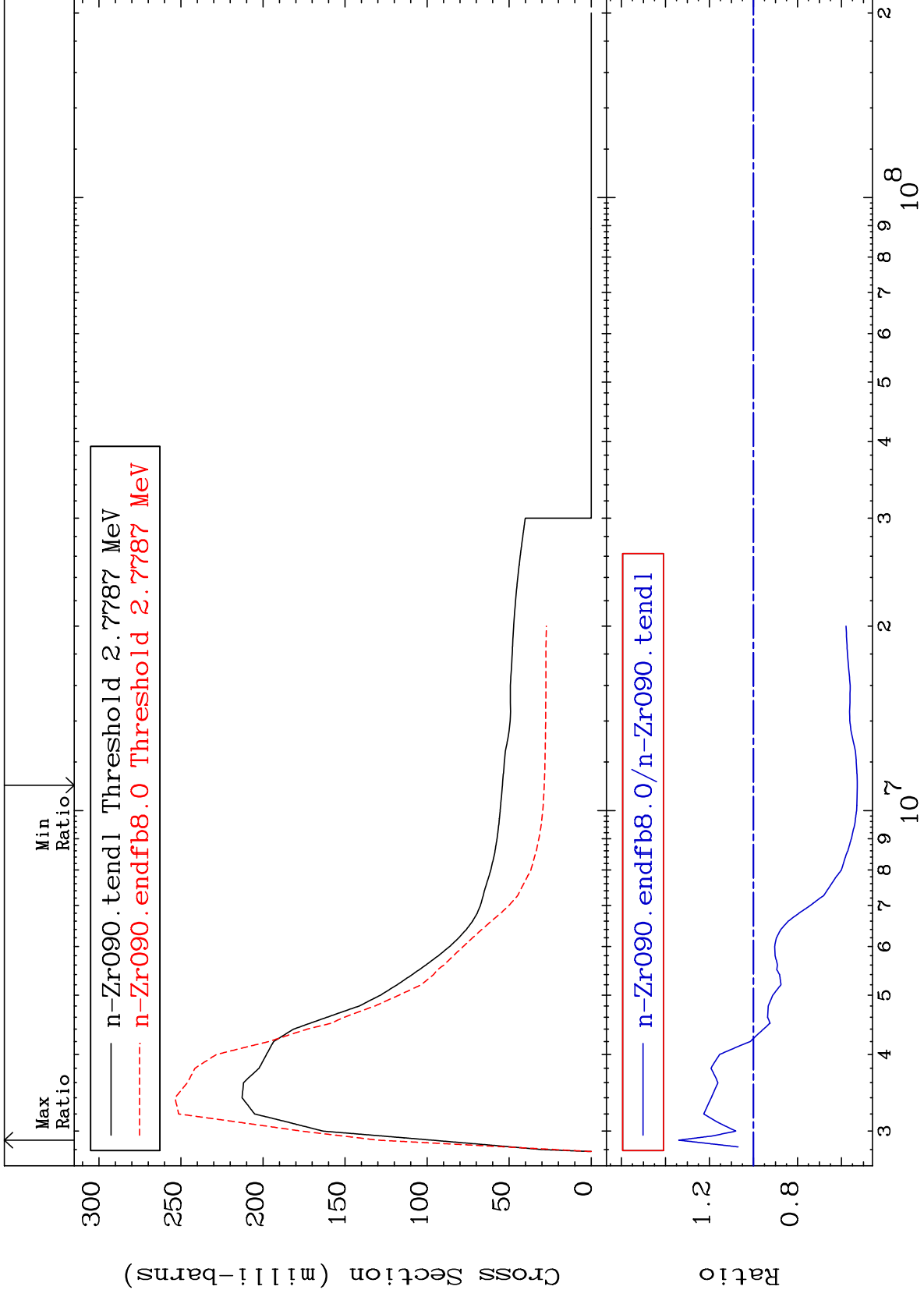
40-Zr-90
-32.00 To 98.95 %



MAT 4025

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

40-Zr-90
-47.16 To 33.99 %

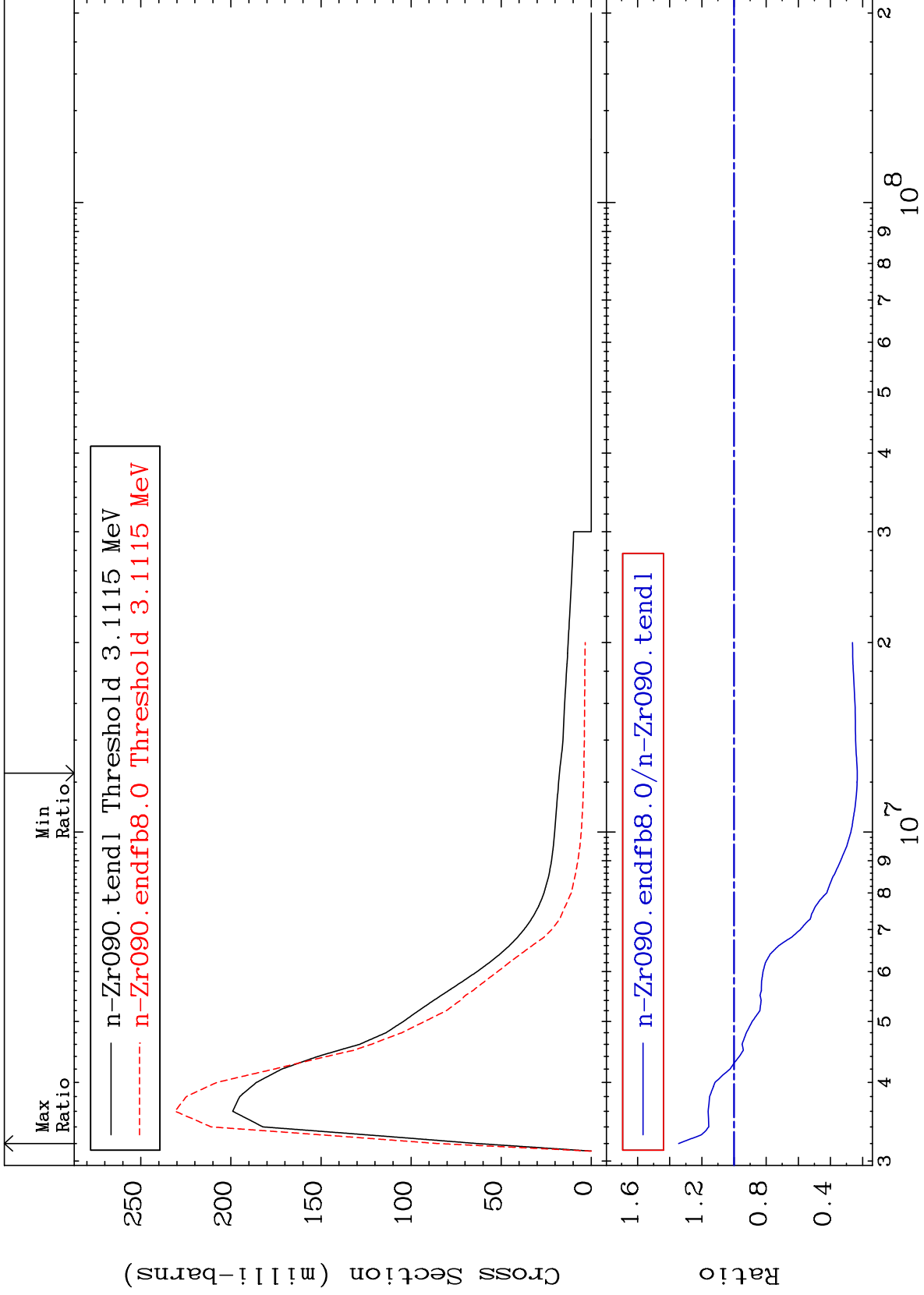


11

MAT 4025

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

40-Zr-90
-76.69 To 34.47 %



12

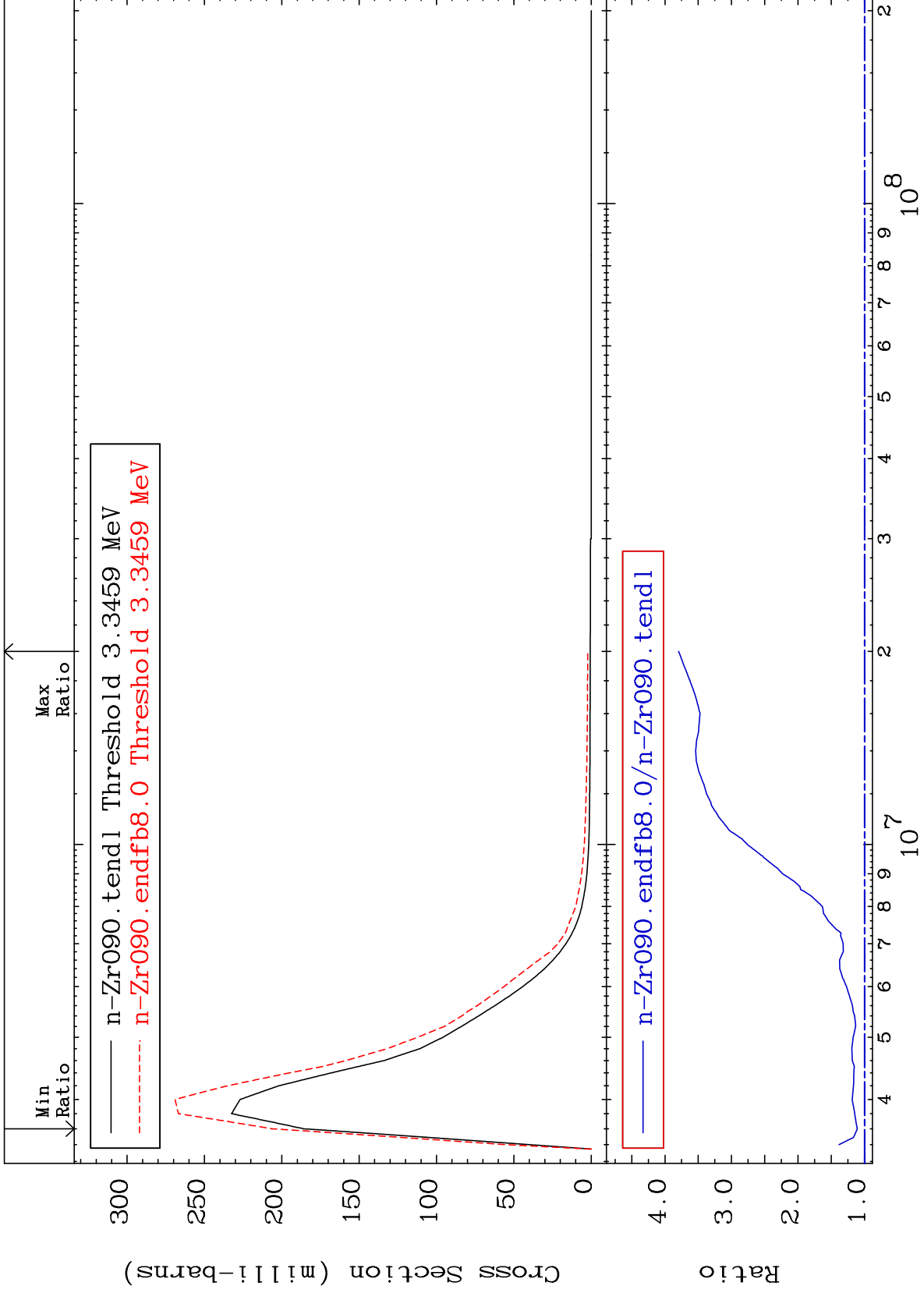
Incident Energy (eV)

40-Zr-90

MAT 4025

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

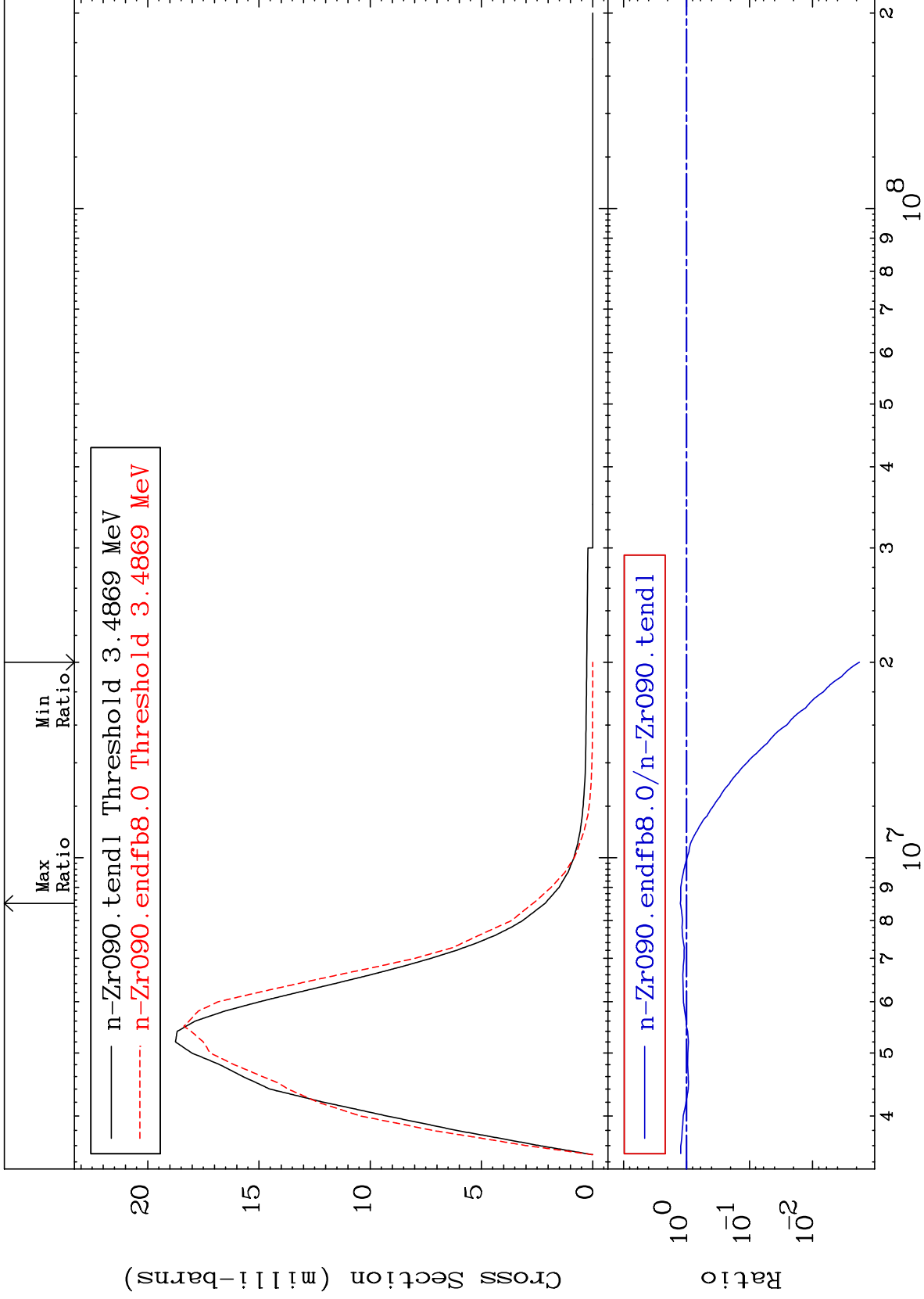
40-Zr-90
10.93 To 279.5 %



MAT 4025

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

40-Zr-90
-99.82 To 25.61 %



14

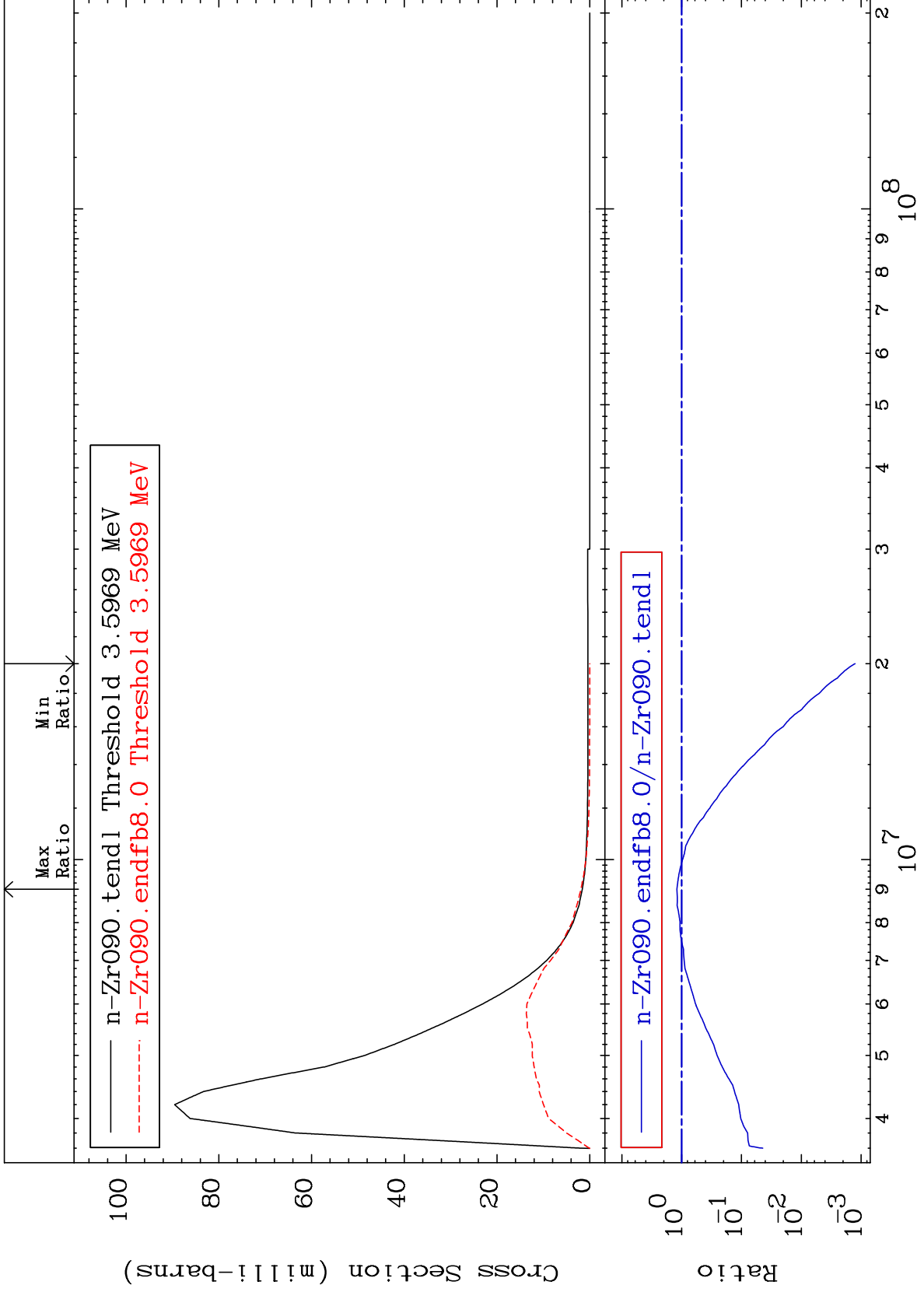
Incident Energy (eV)

40-Zr-90

MAT 4025

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

40-Zr-90
-99.87 To 20.29 %



15

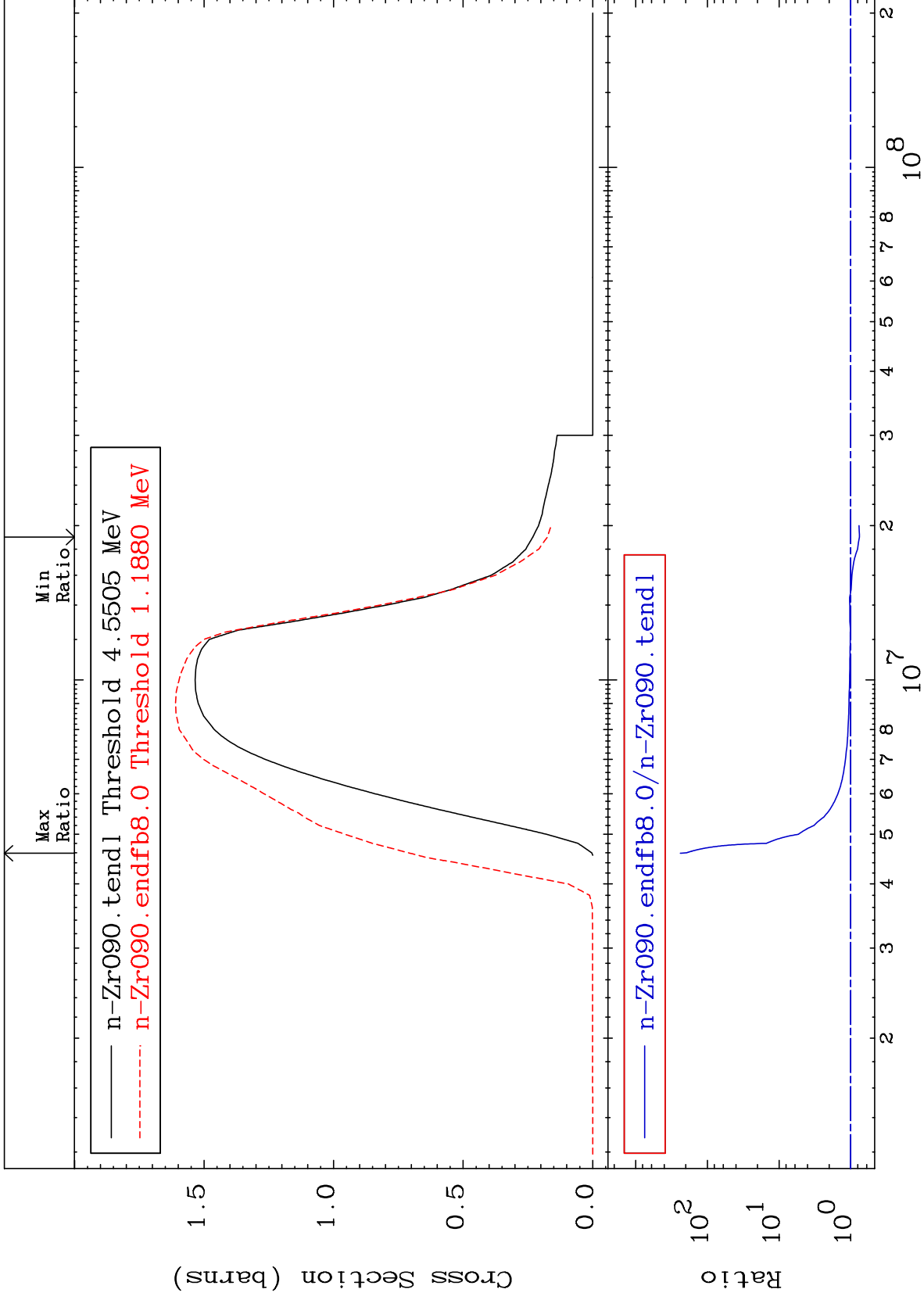
Incident Energy (eV)

40-Zr-90

MAT 4025

(n, n') Continuum
Cross Section

40-Zr-90
-24.32 To 9999. %



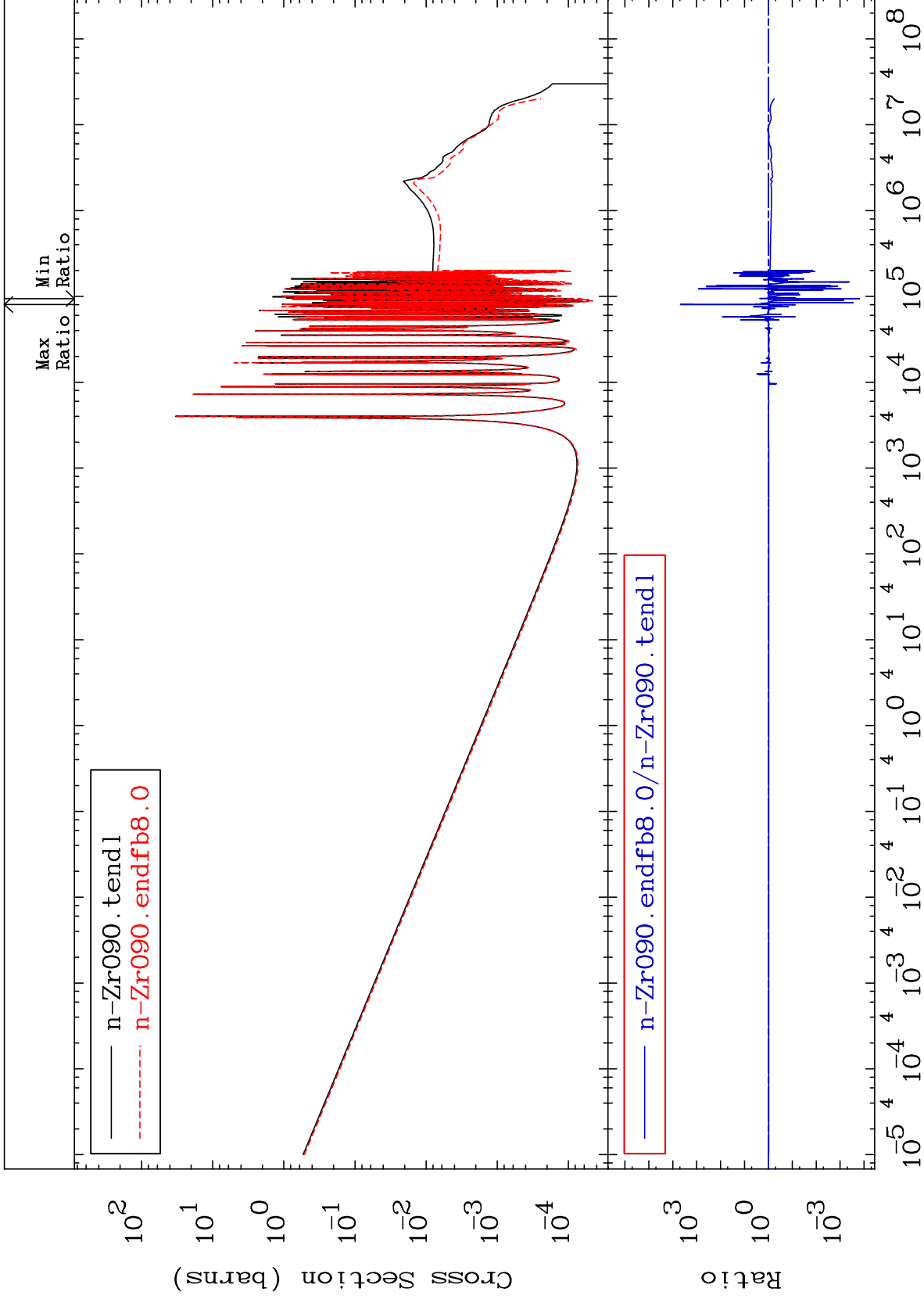
MAT 4025

(n, γ)

Cross Section

40-Zr-90

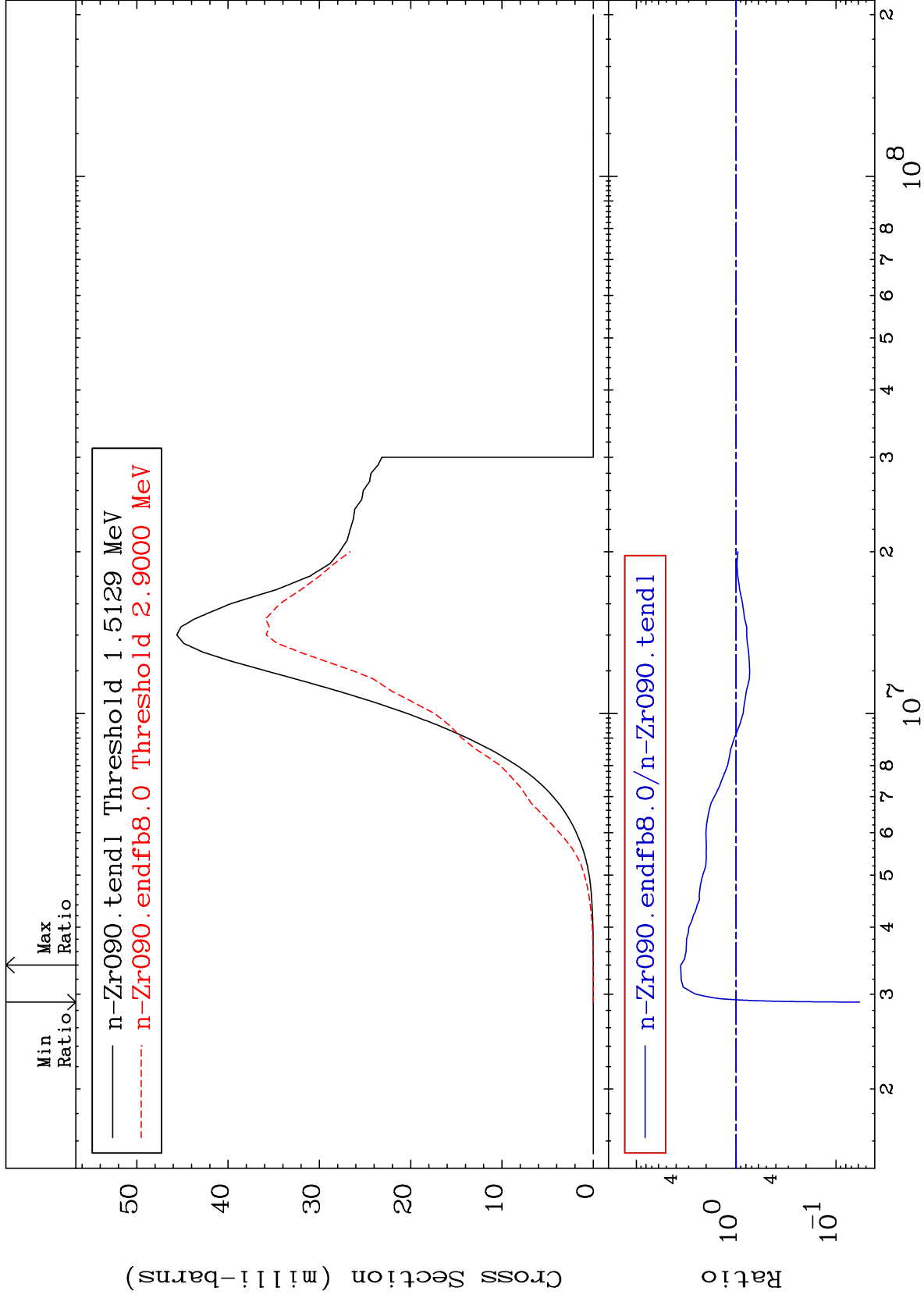
-99.98 To 9999. %



MAT 4025

(n, p)
Cross Section

40-Zr-90
-94.18 To 258.9 %



18

Incident Energy (eV)

40-Zr-90

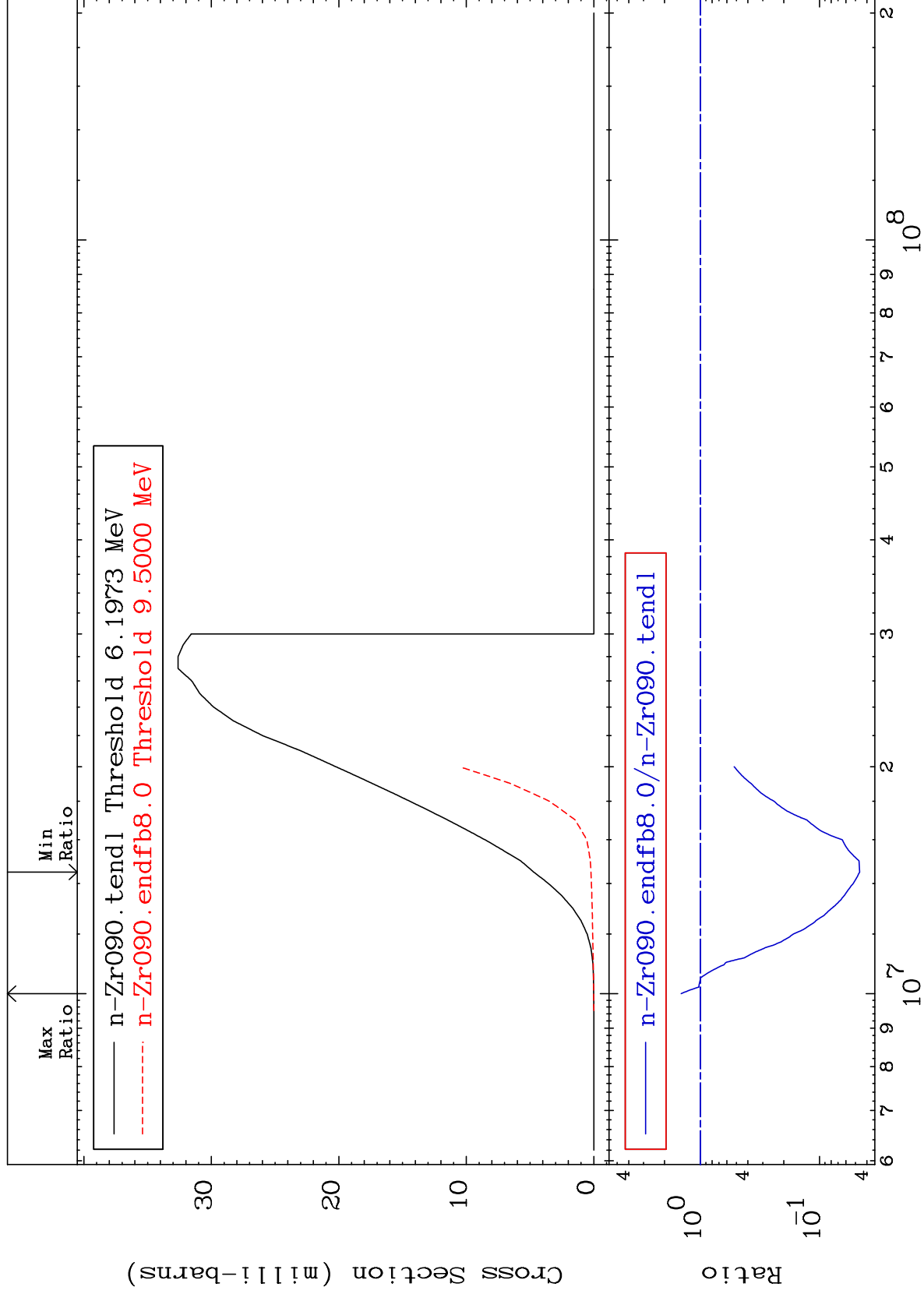
MAT 4025

(n, d)

40-Zr-90

Cross Section

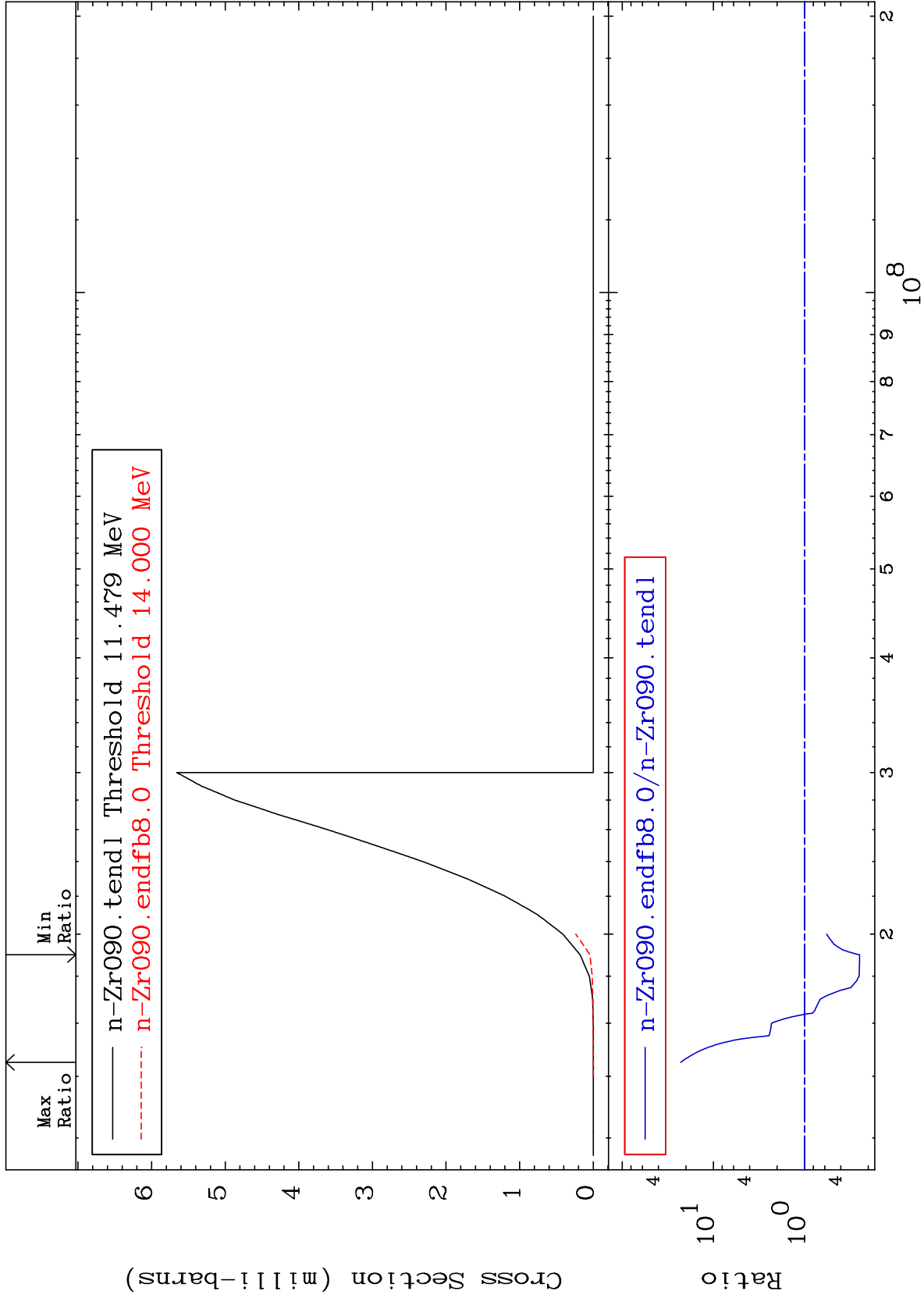
-95.39 To 45.15 %



MAT 4025

(n, t)
Cross Section

40-Zr-90
-75.08 To 2179. %

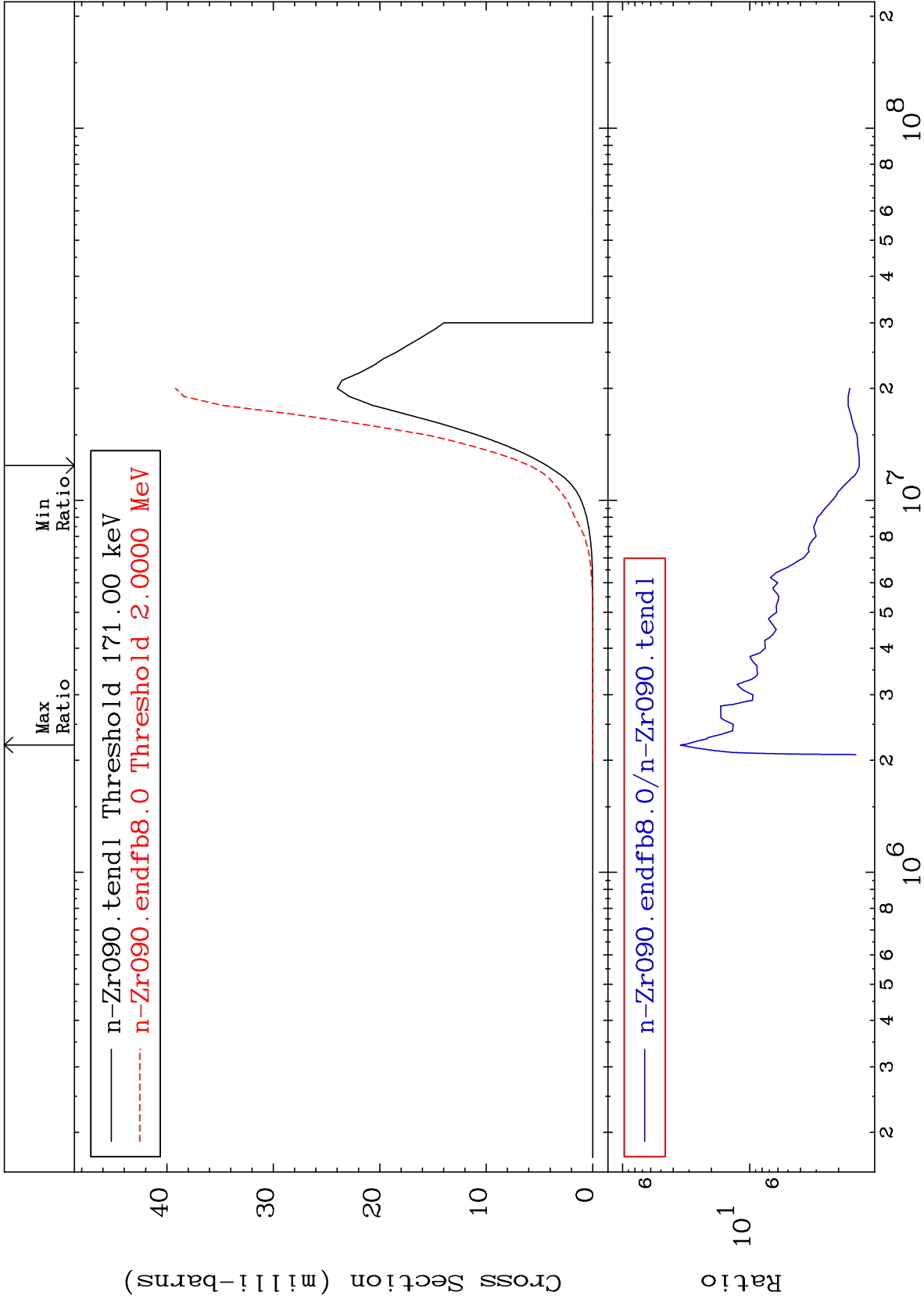


20

40-Zr-90

MAT 4025

(n, α)
Cross Section
37.10 To 3413. %
40-Zr-90



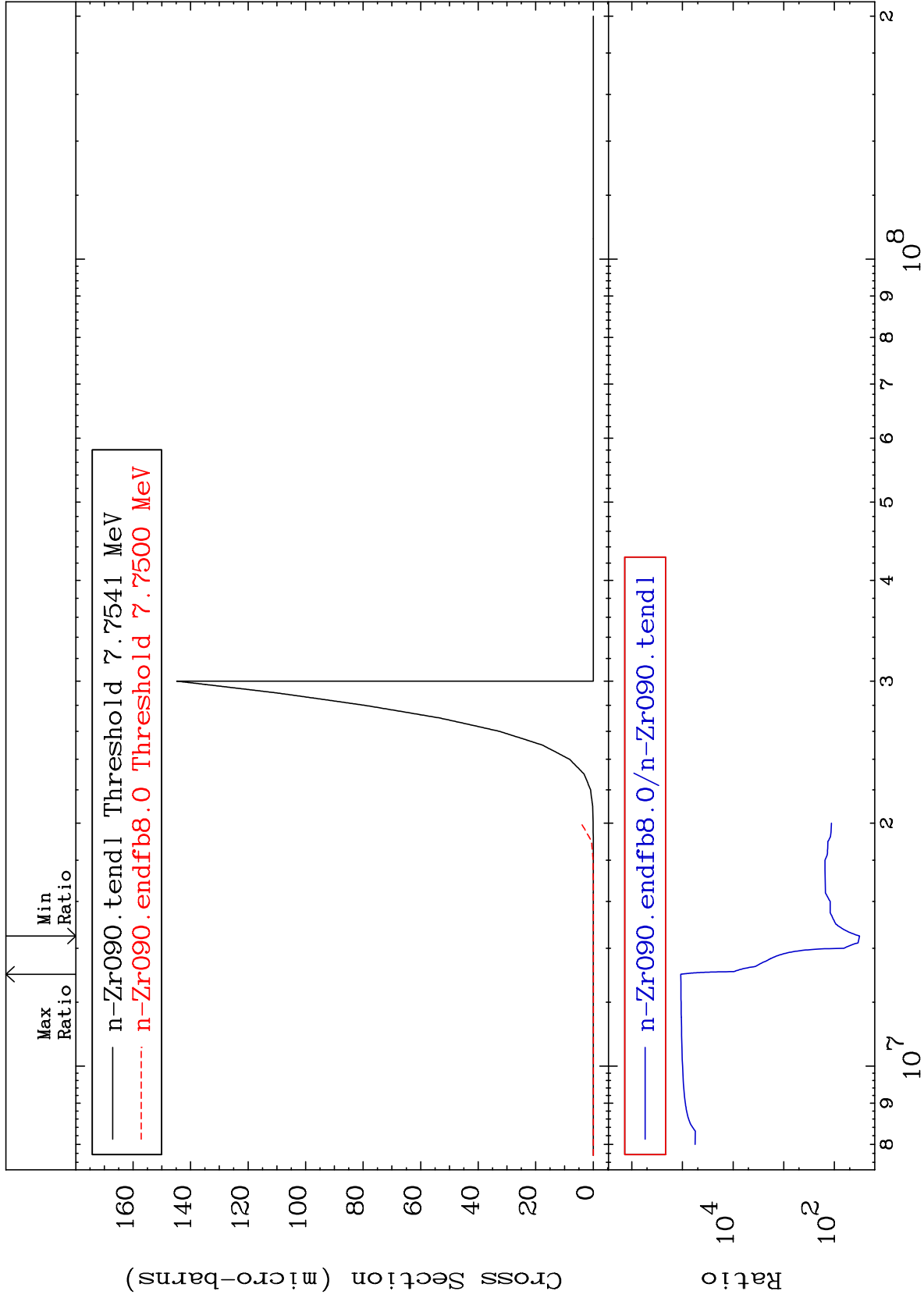
MAT 4025

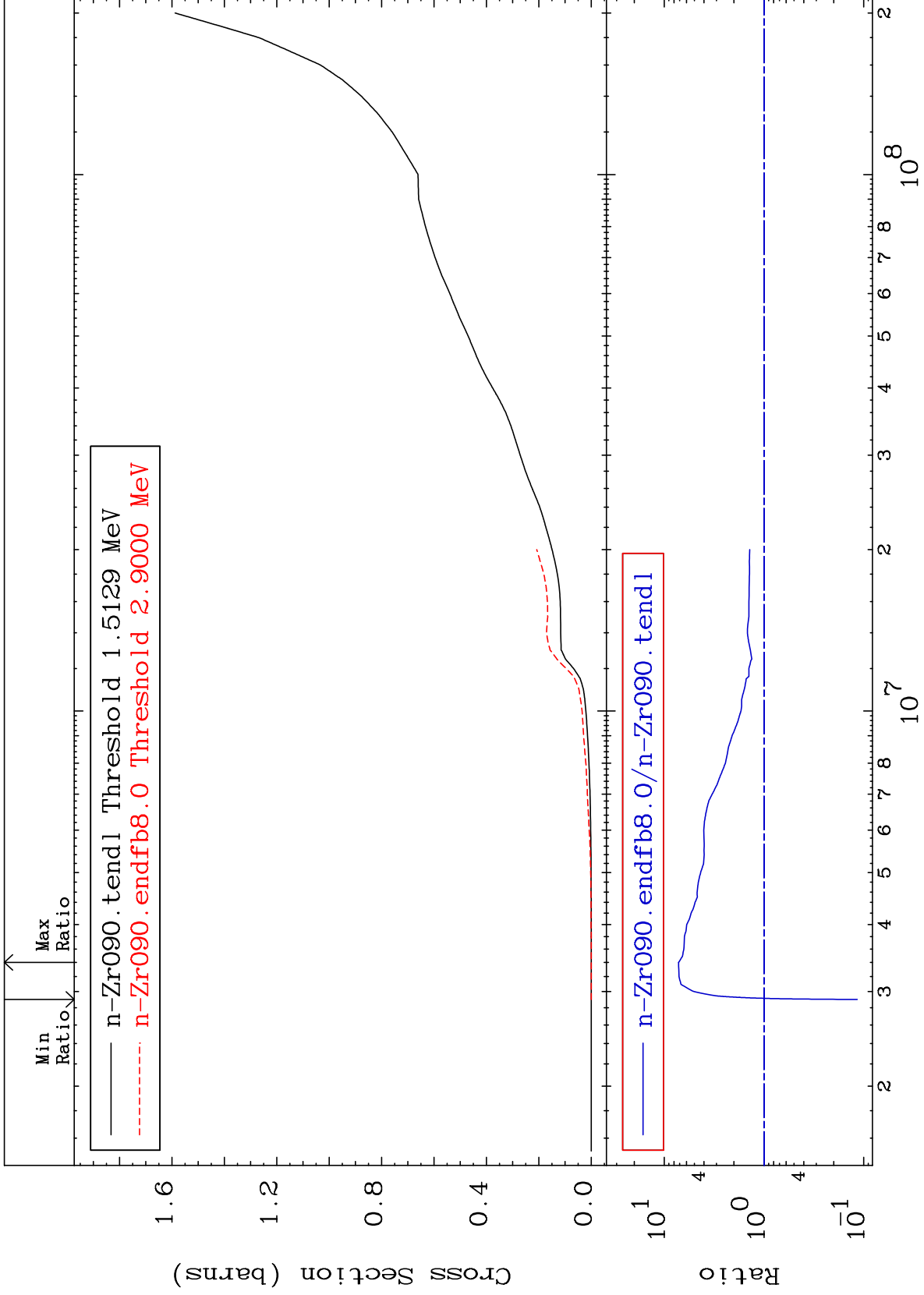
(n, p) α

40-Zr-90

Cross Section

3093. To 9999. %

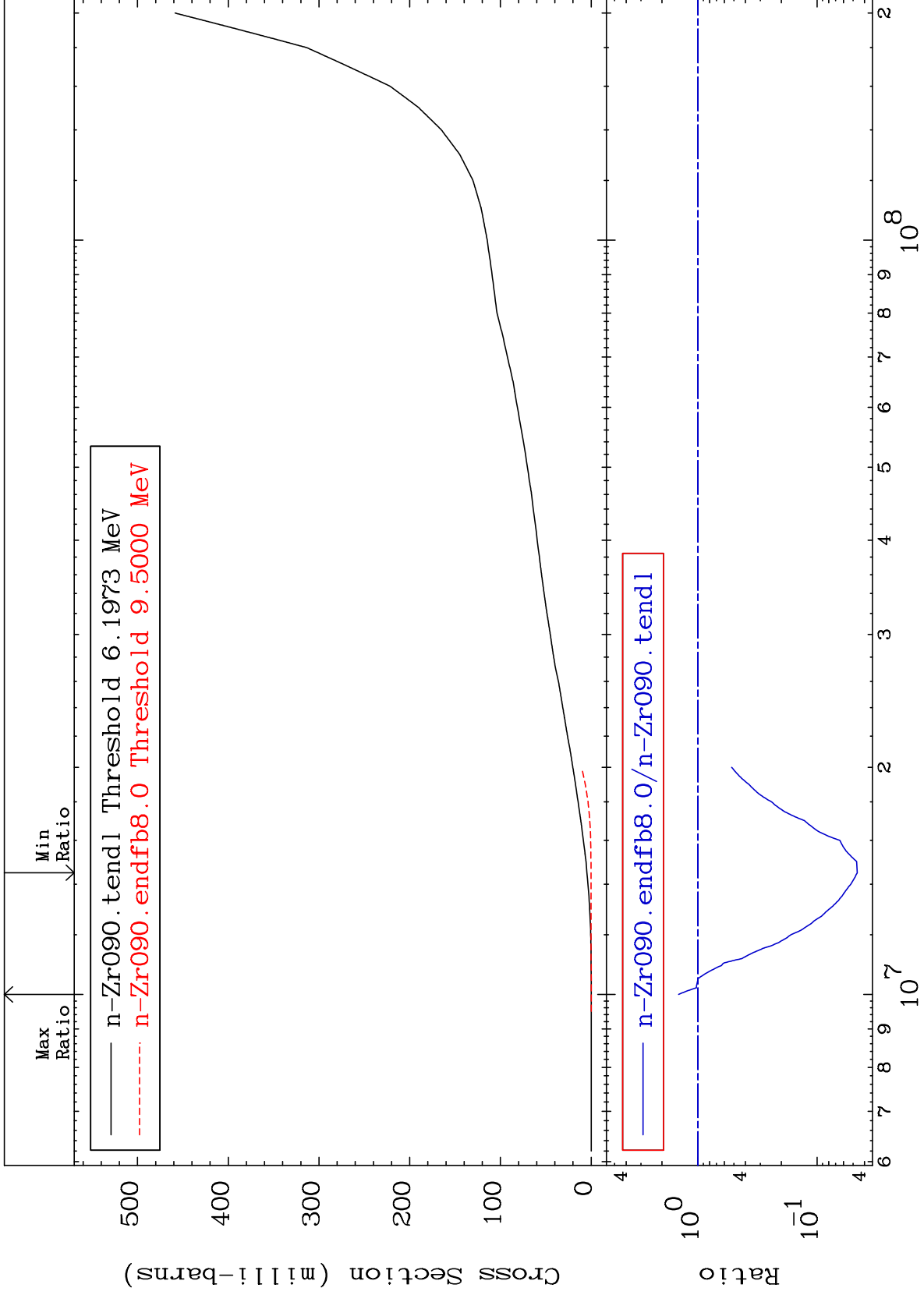




MAT 4025

Deuterium Production
Cross Section

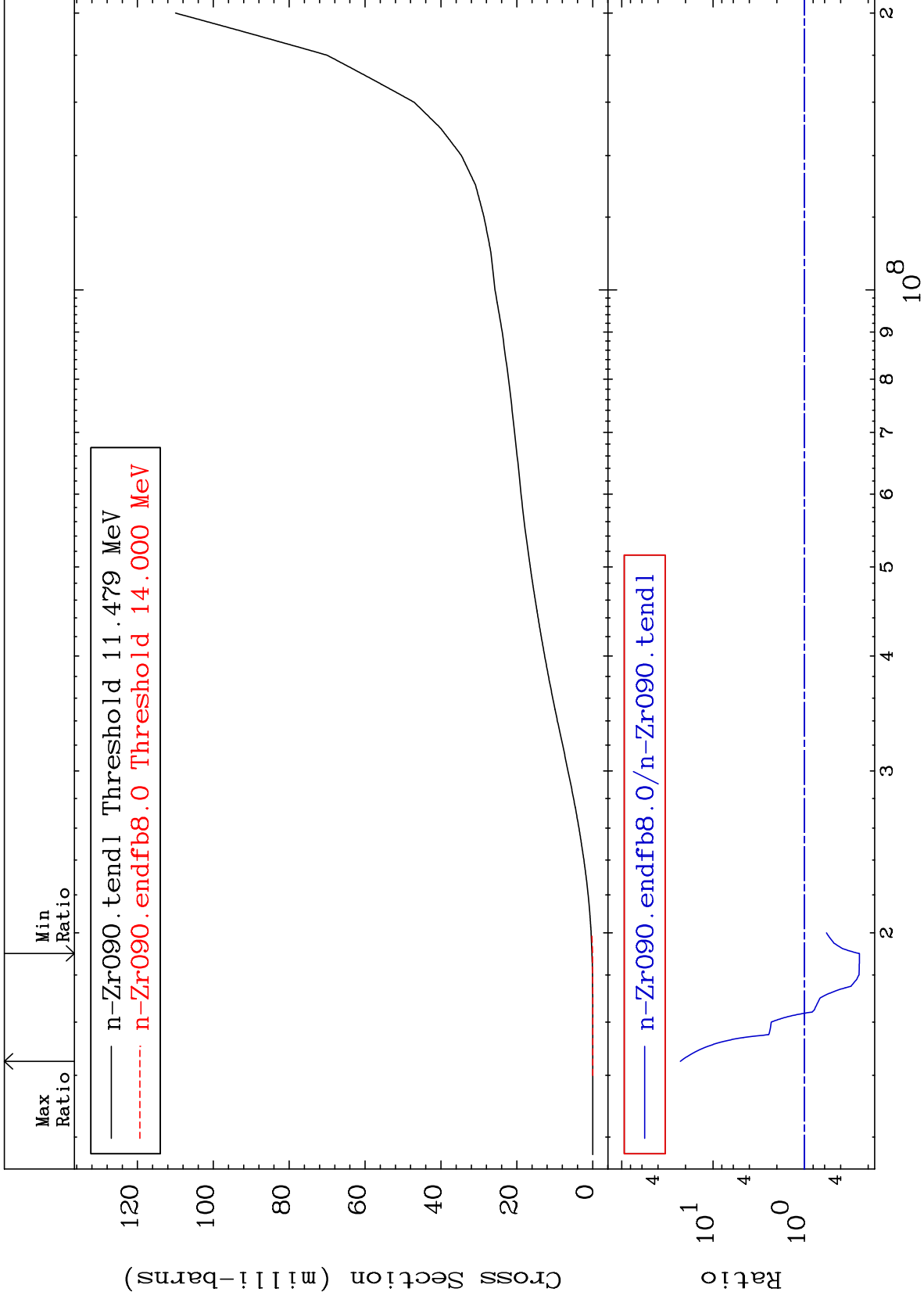
40-Zr-90
-95.39 To 45.15 %



MAT 4025

Tritium Production
Cross Section

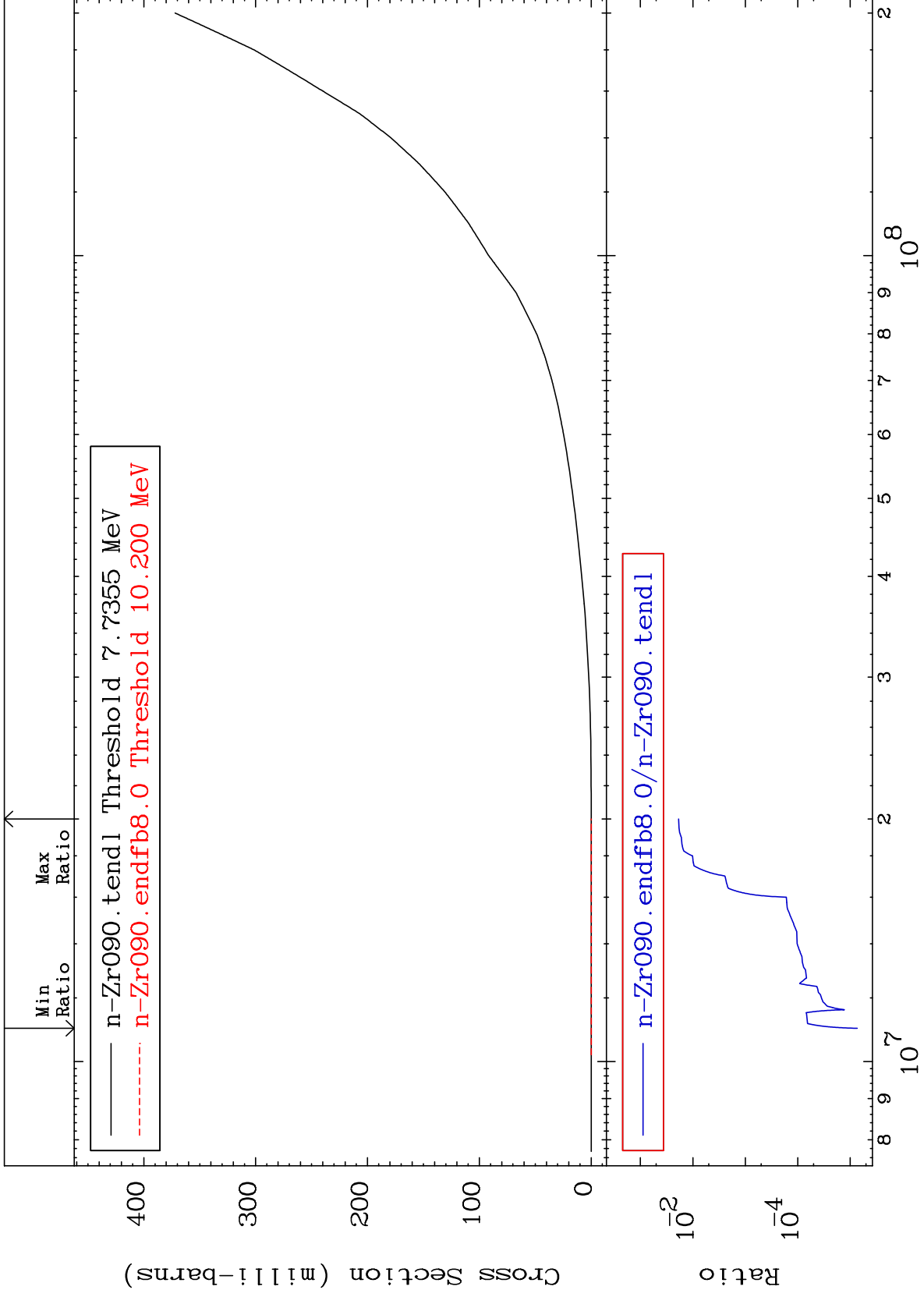
40-Zr-90
-75.08 To 2179. %



MAT 4025

He-3 Production
Cross Section

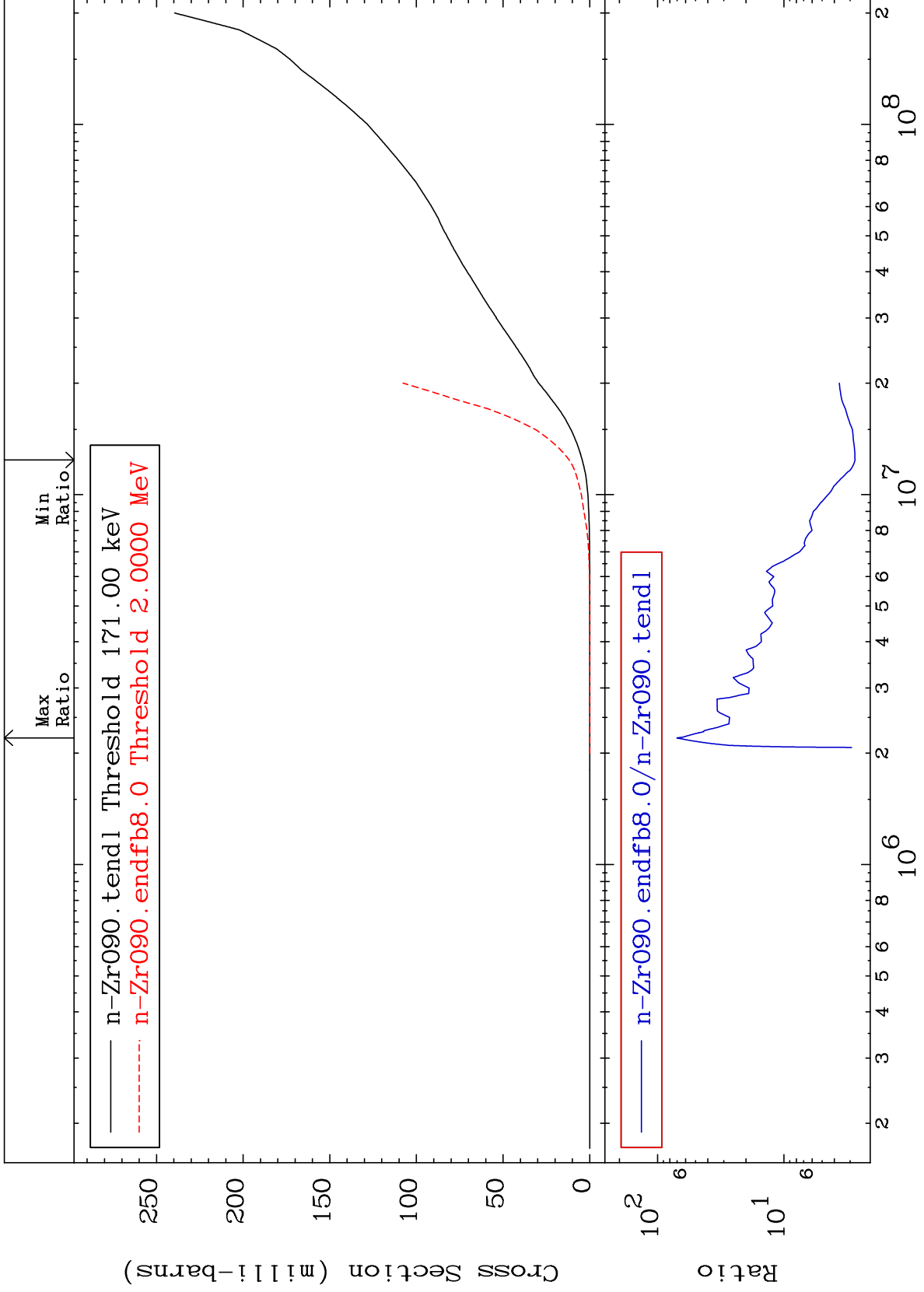
40-Zr-90
-100.0 To -98.13%

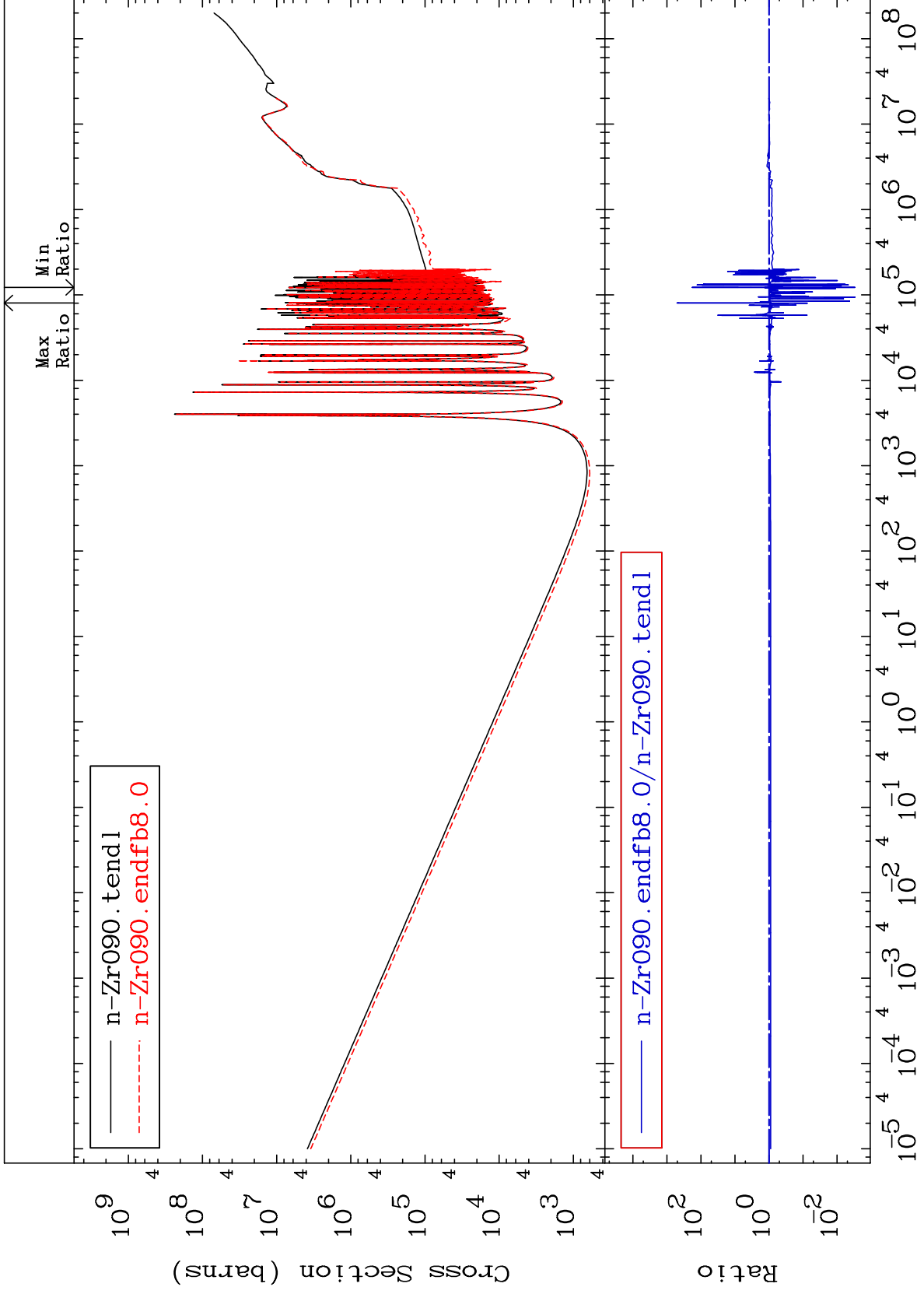


MAT 4025

He-4 Production
Cross Section

40-Zr-90
174.2 To 6926. %

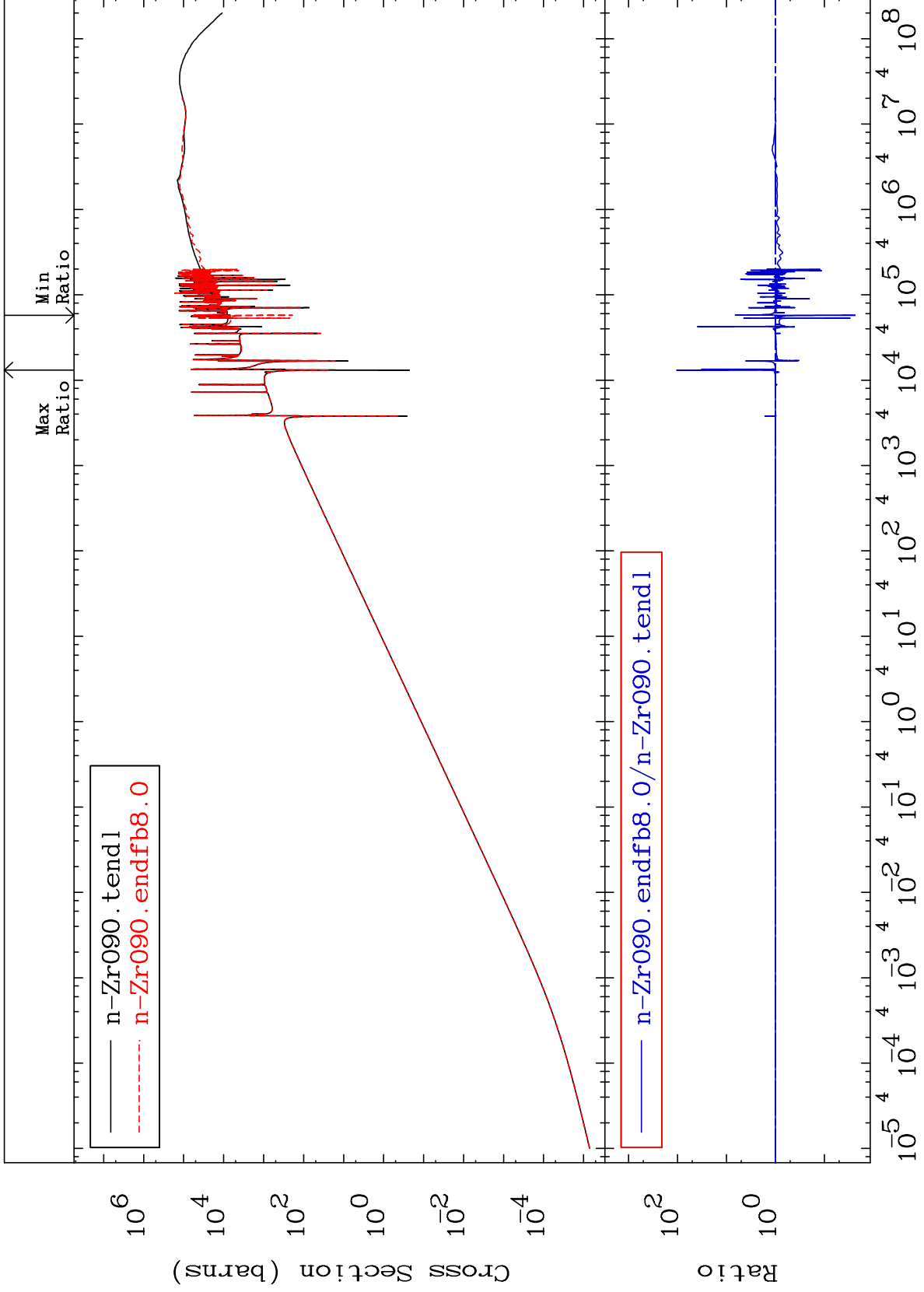


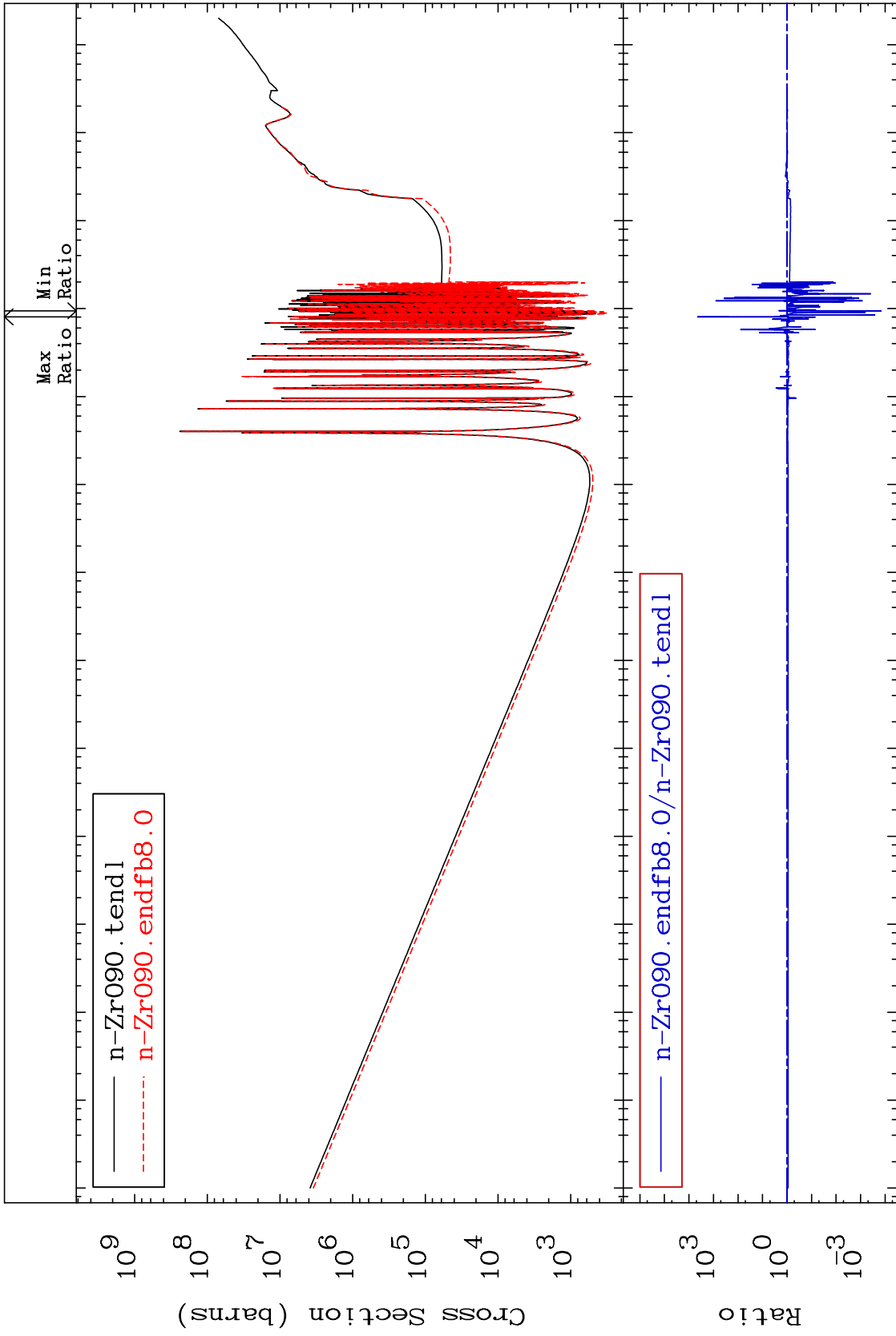


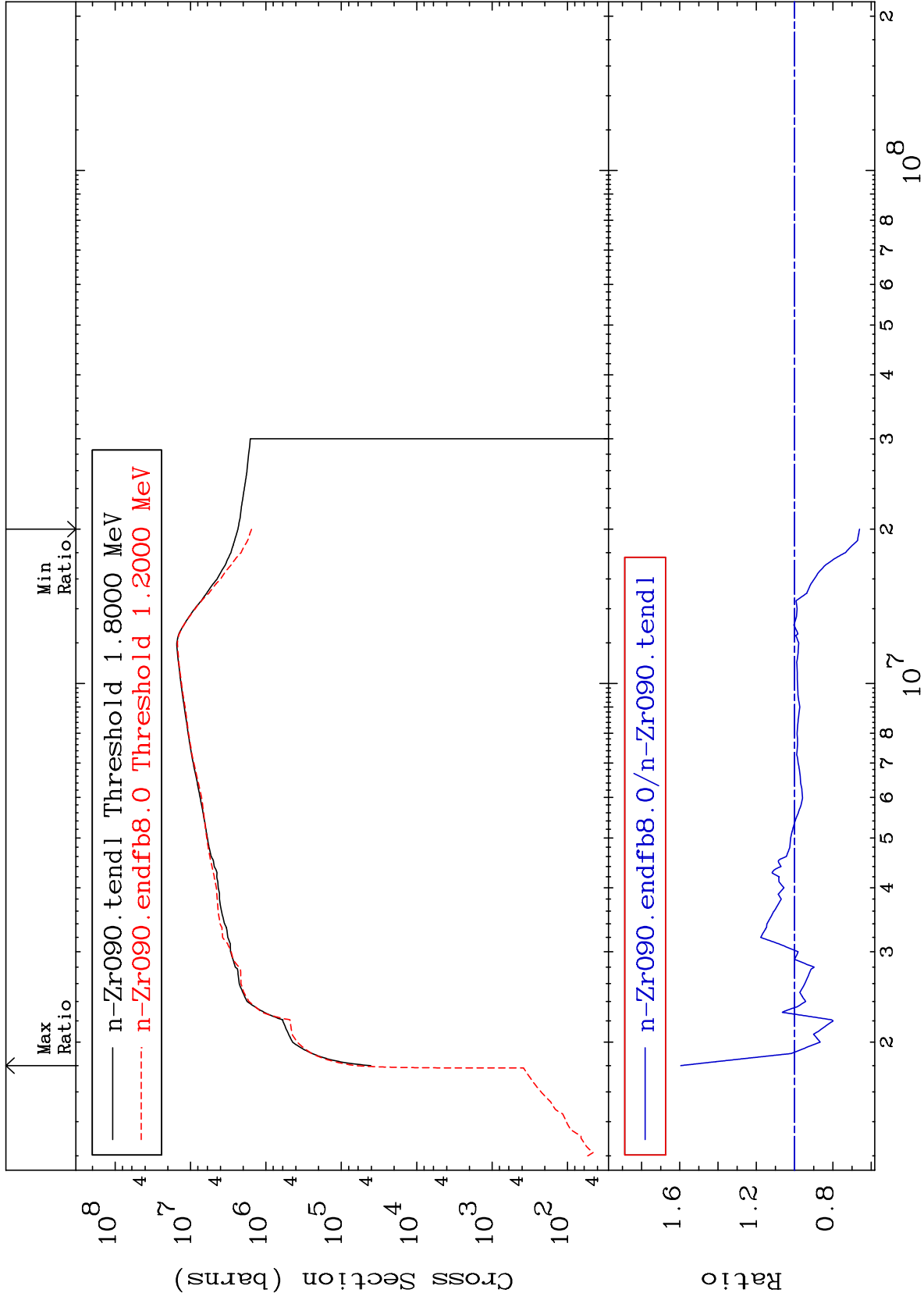
MAT 4025

Kerma elastic
Cross Section

40-Zr-90
-97.63 To 9999. %



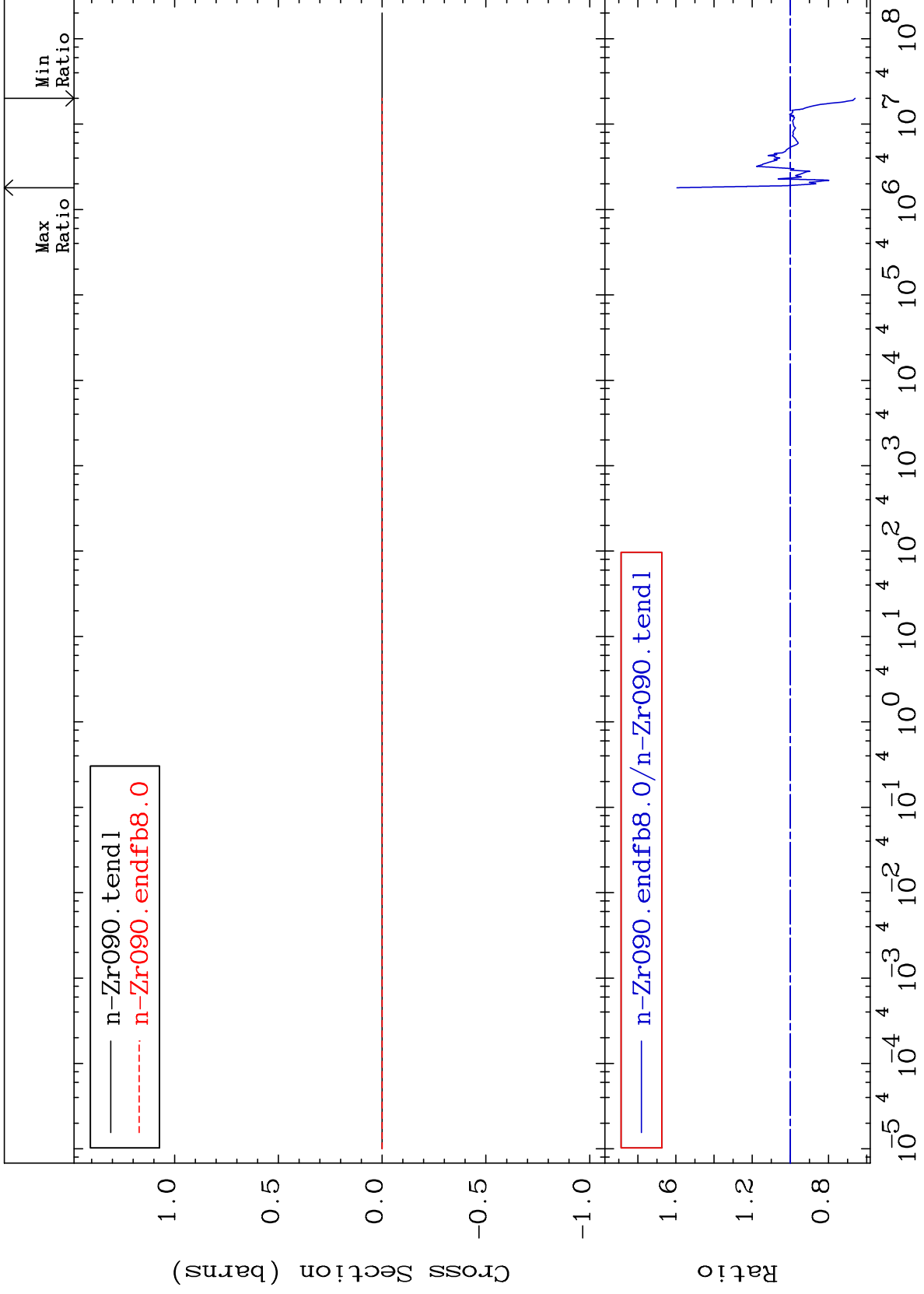


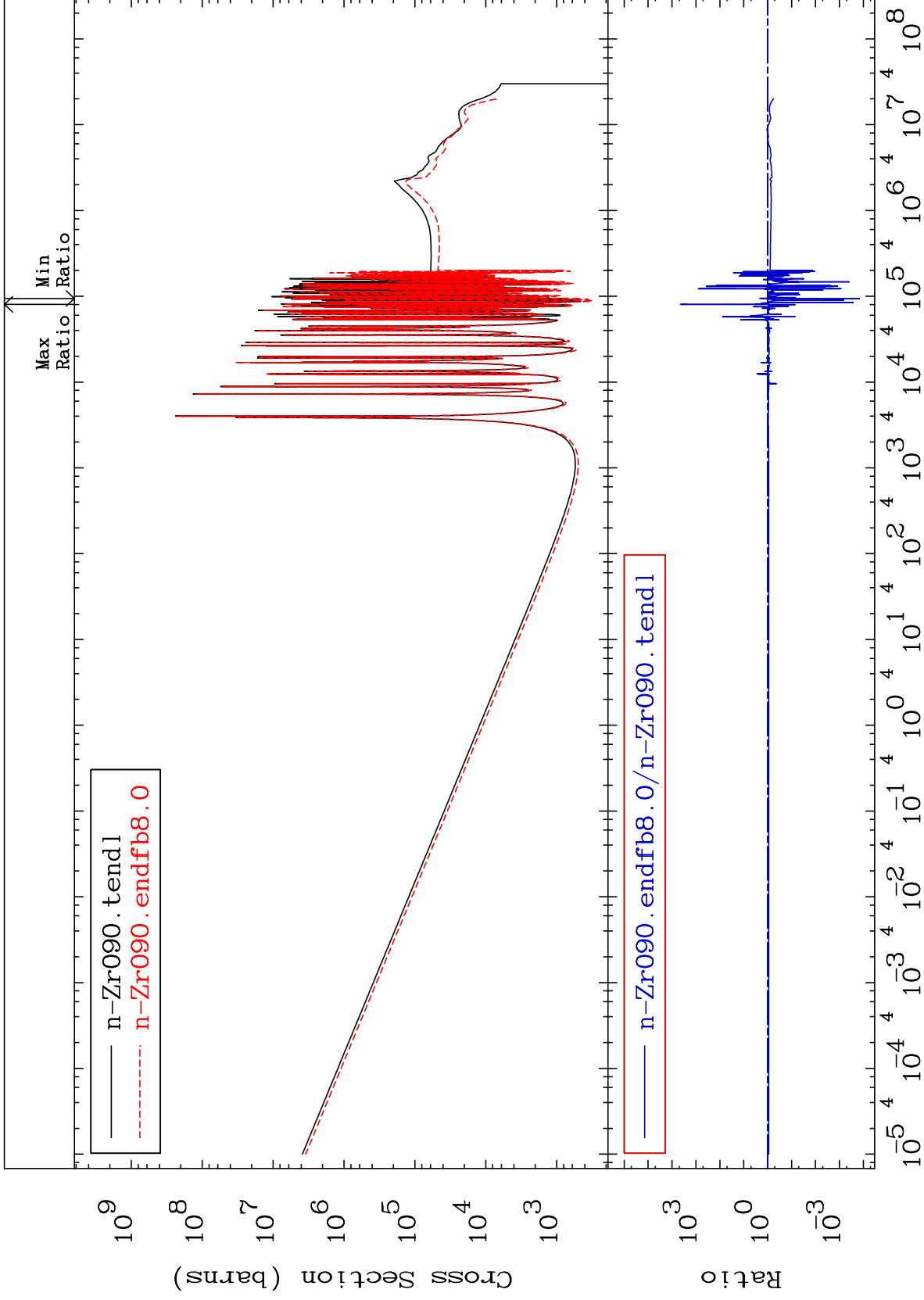


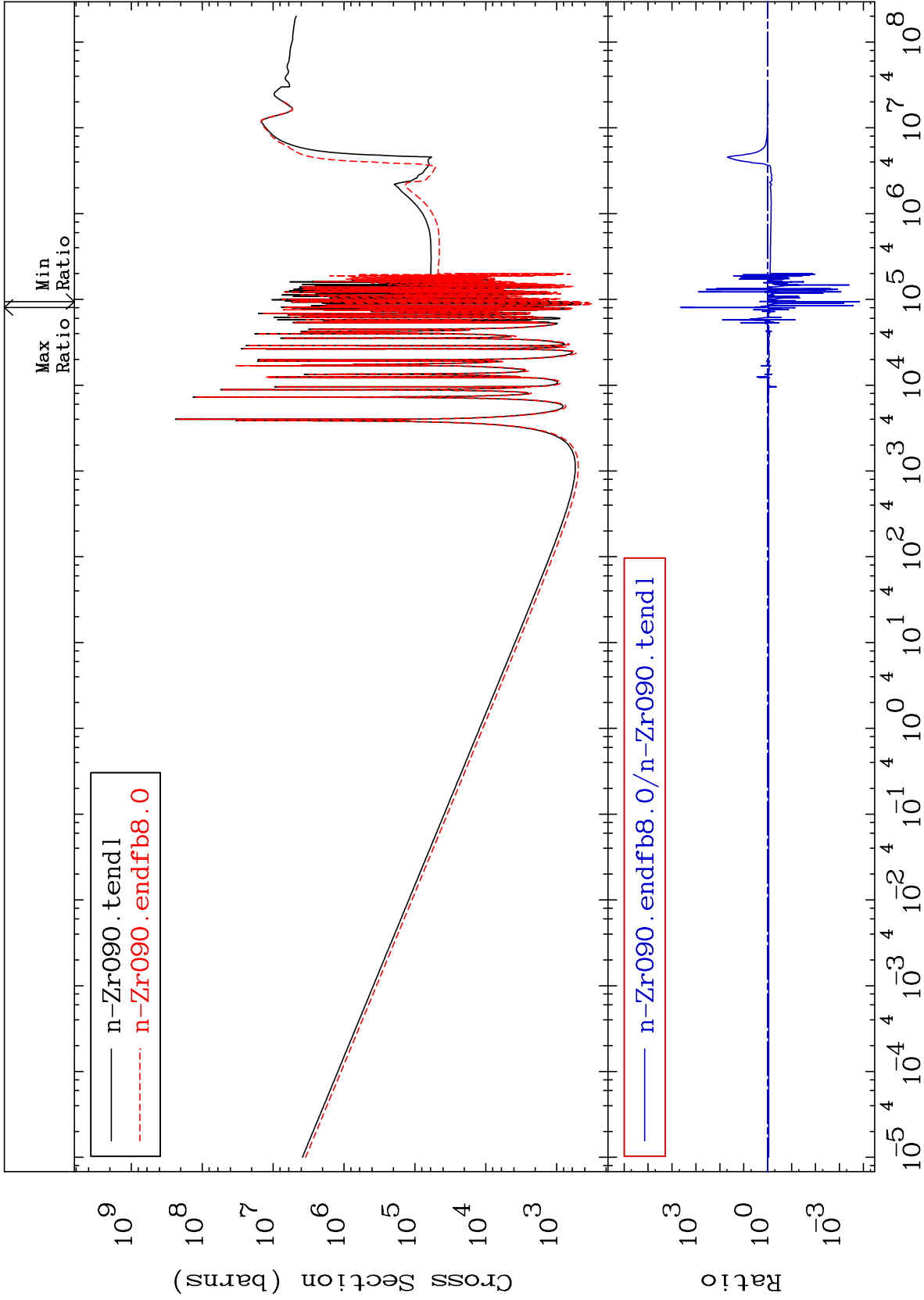
MAT 4025

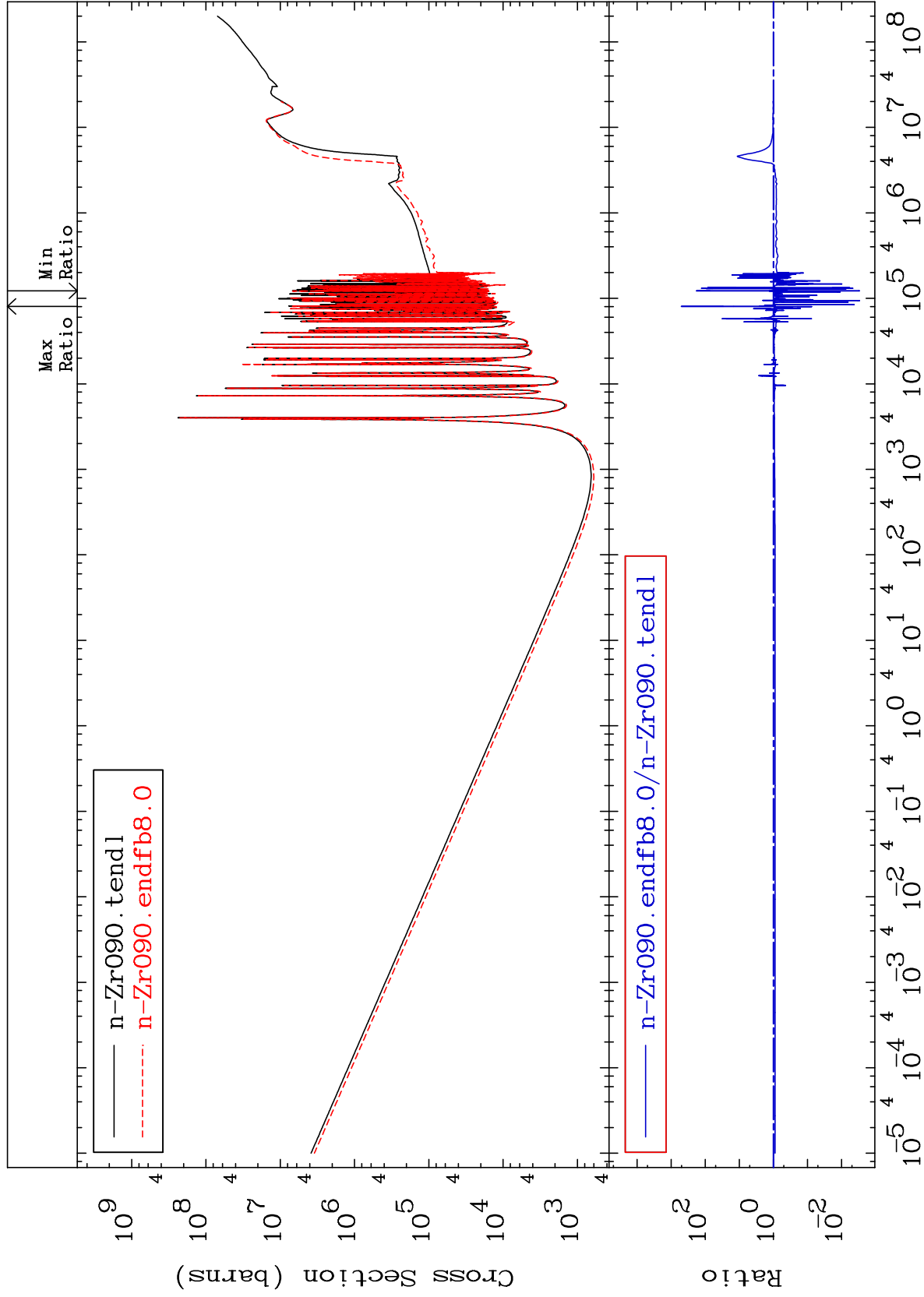
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

40-Zr-90
-33.93 To 59.48 %





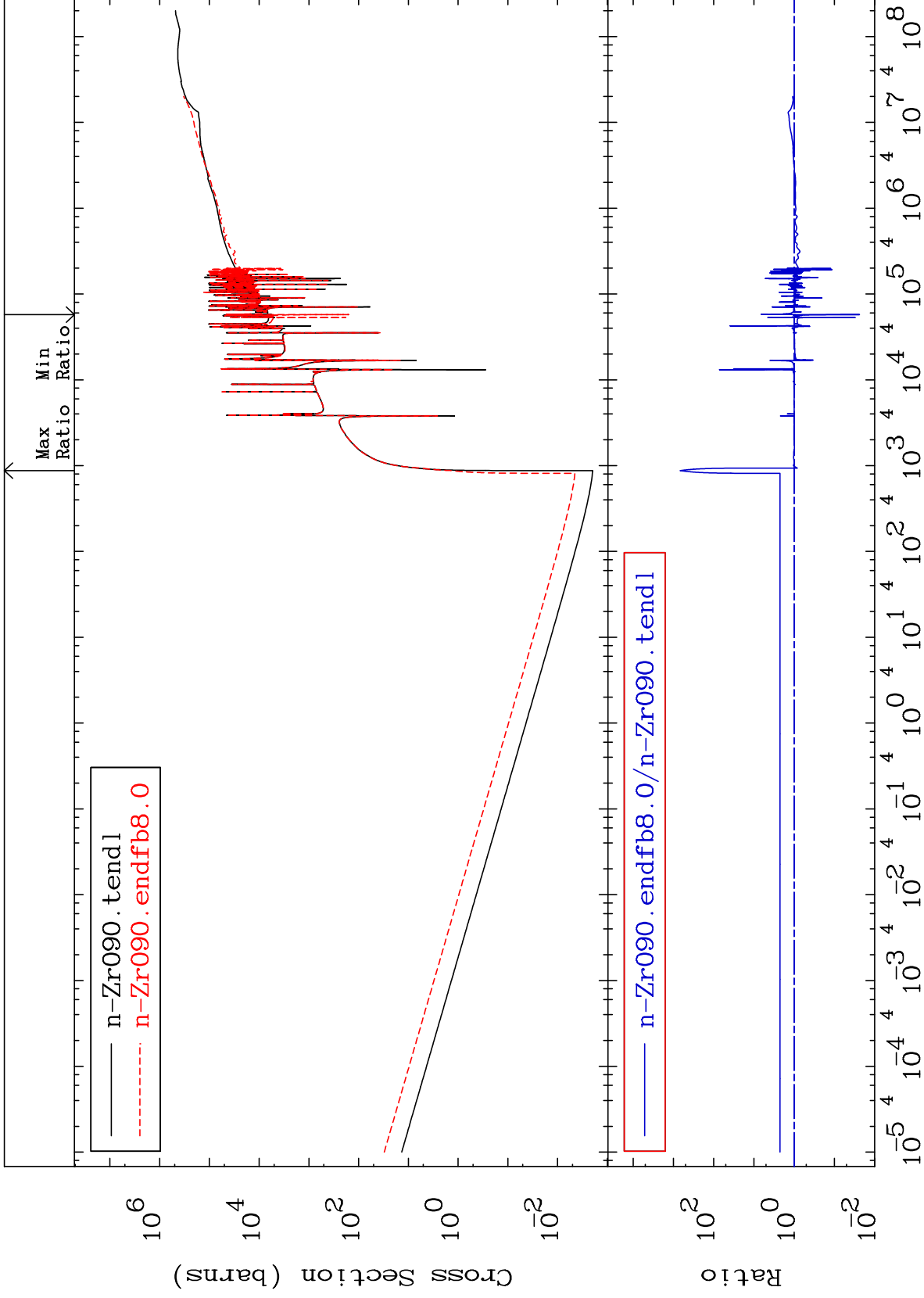




MAT 4025

Dpa total (eV-barns)
Cross Section

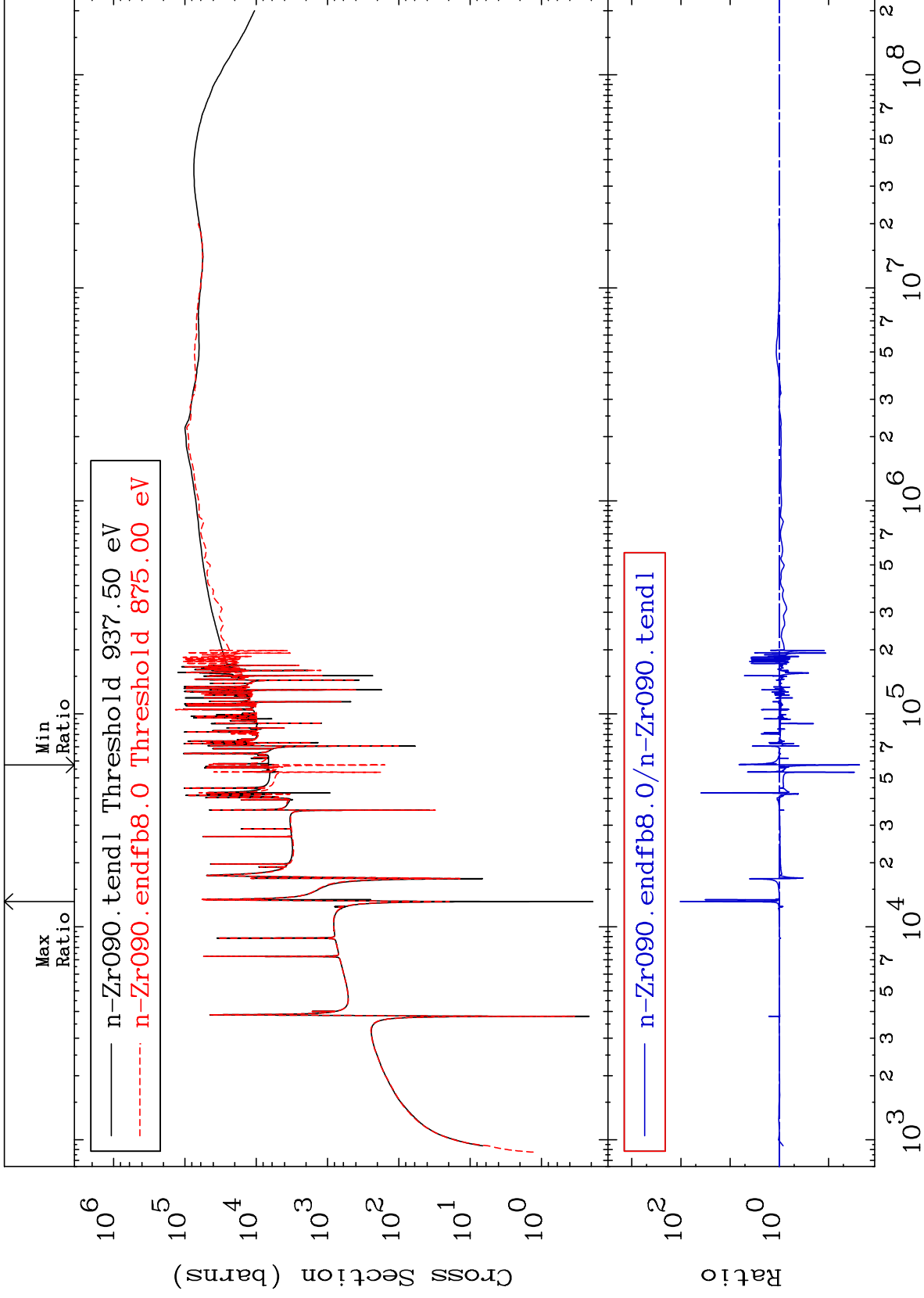
40-Zr-90
-97.62 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

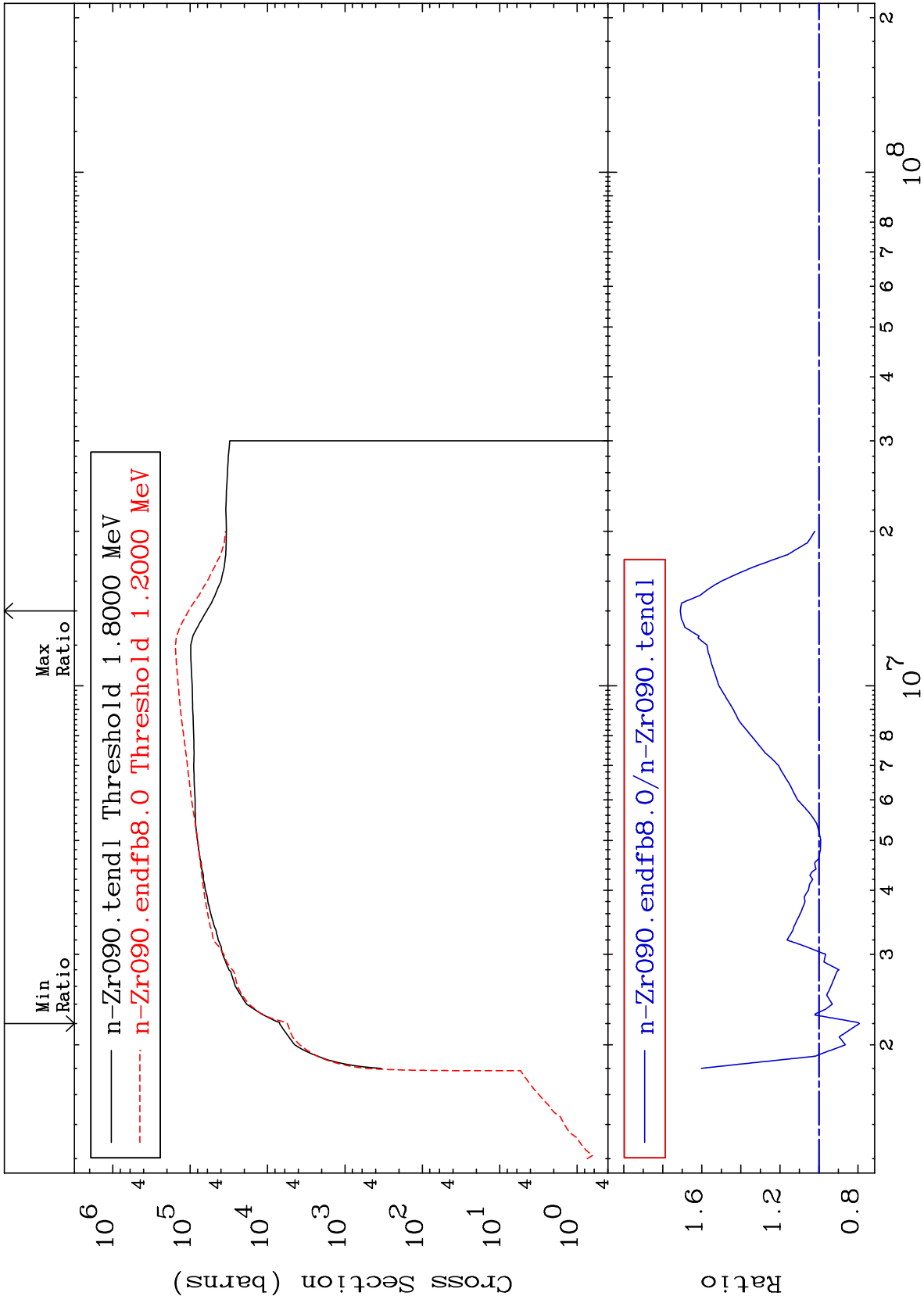
40-Zr-90
-97.63 To 9999. %

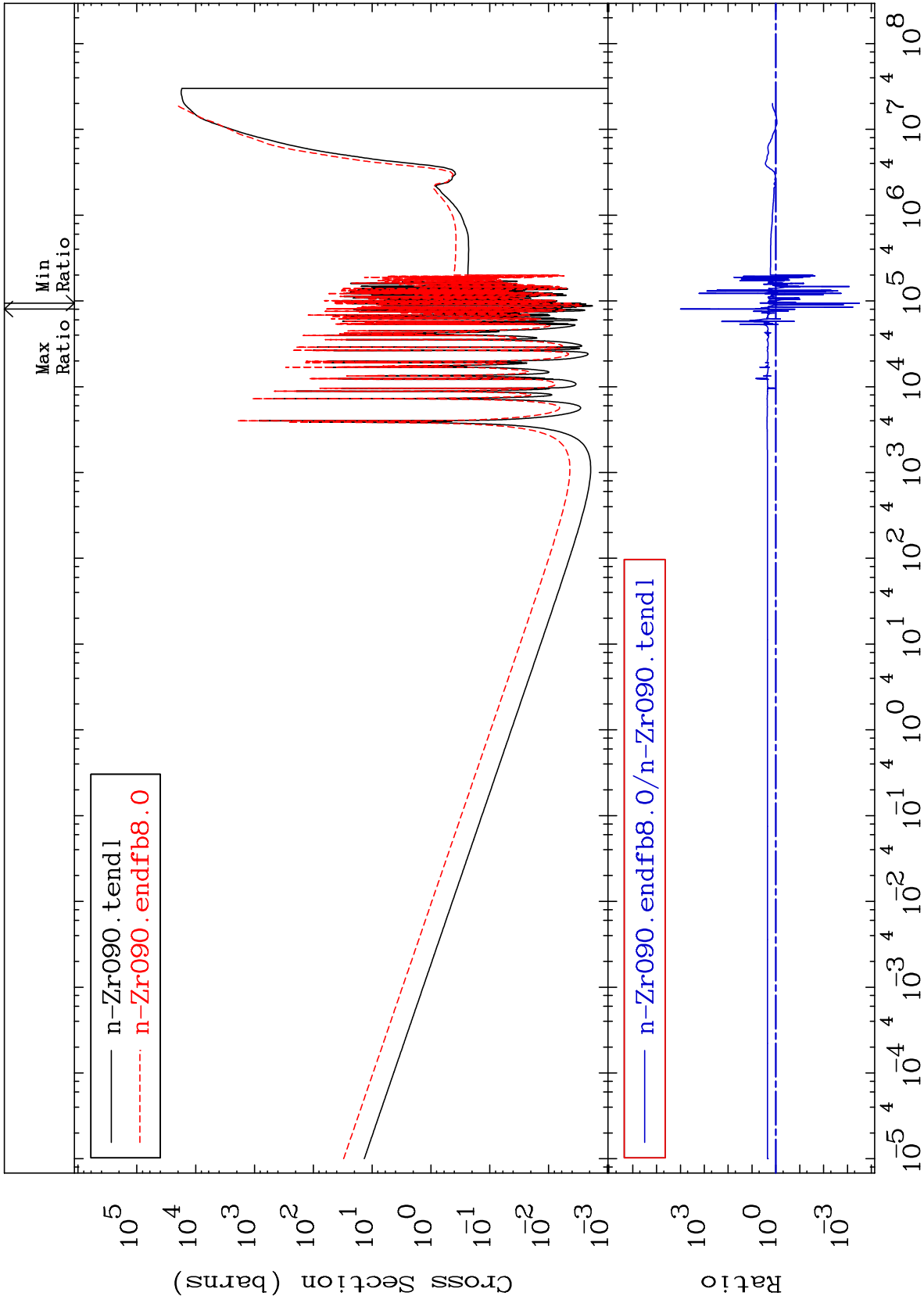


37

40-Zr-90

40-Zr-90



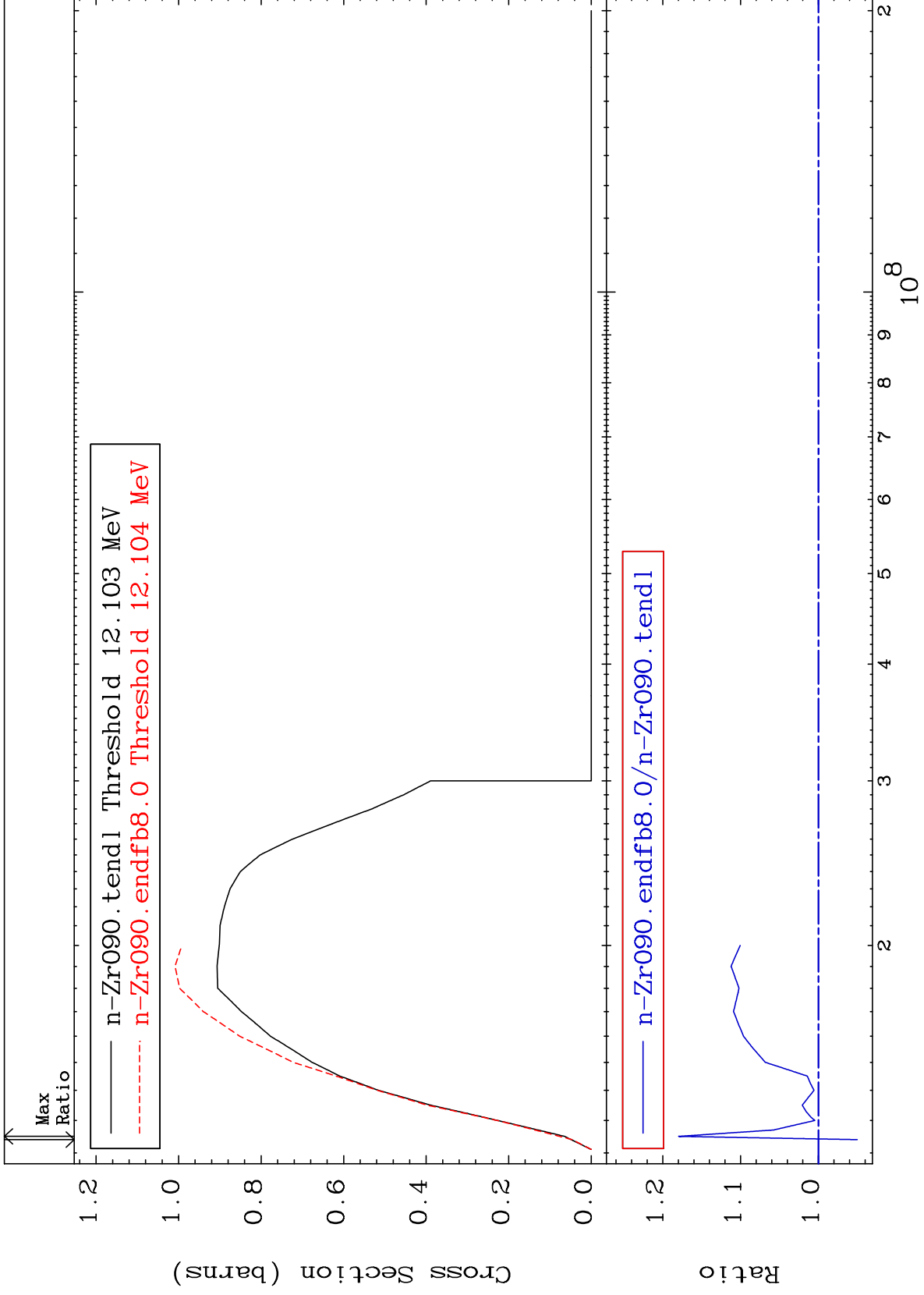


MAT 4025

(n,2n) : 40-Zr-89g

40-Zr-90

Radionuclide Production Cross Section -4.994 To 17.96 %



40

Incident Energy (eV)

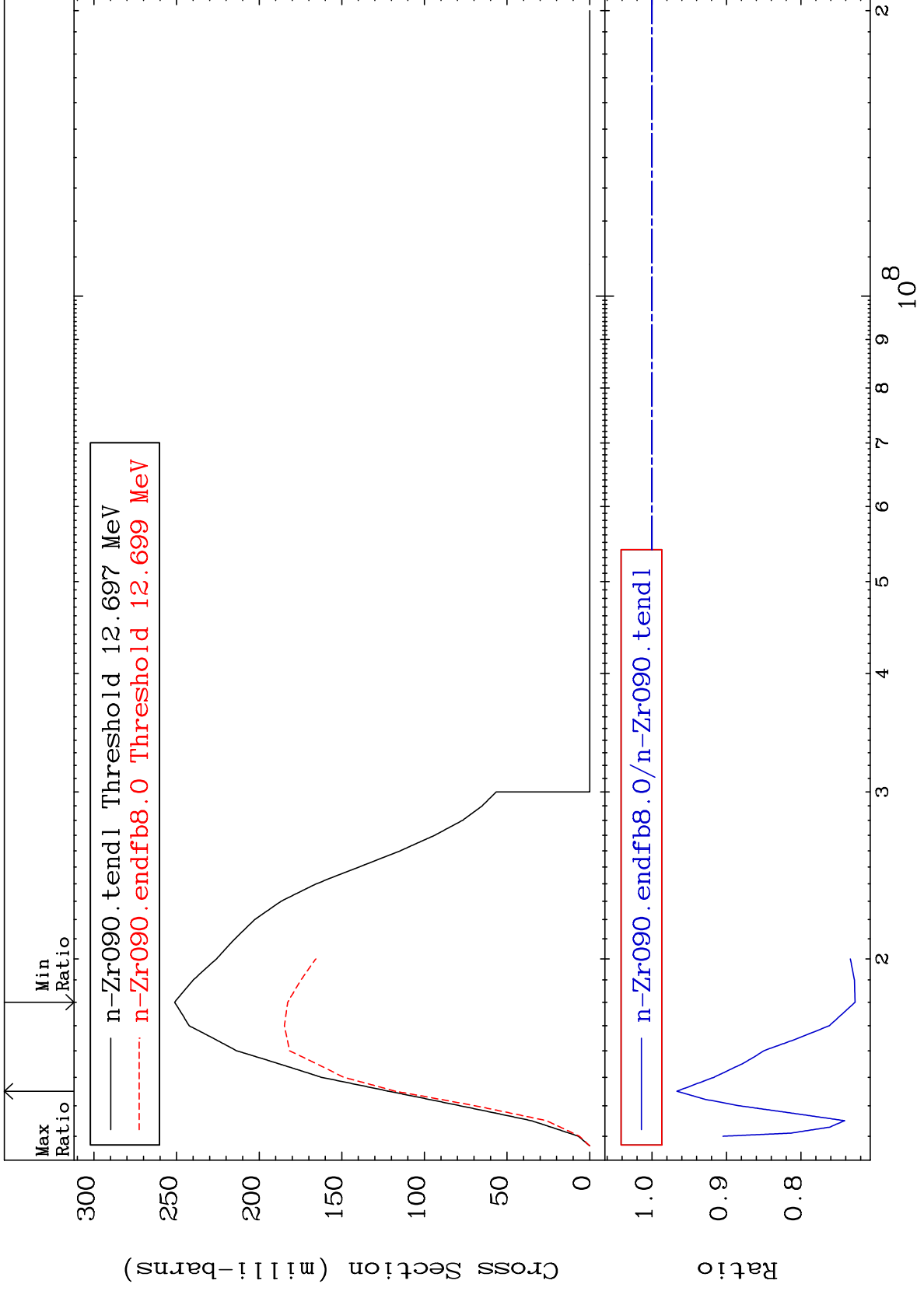
40-Zr-90

MAT 4025

(n,2n):40-Zr-89m1

40-Zr-90

Radionuclide Production Cross Section -27.25 To -3.352%

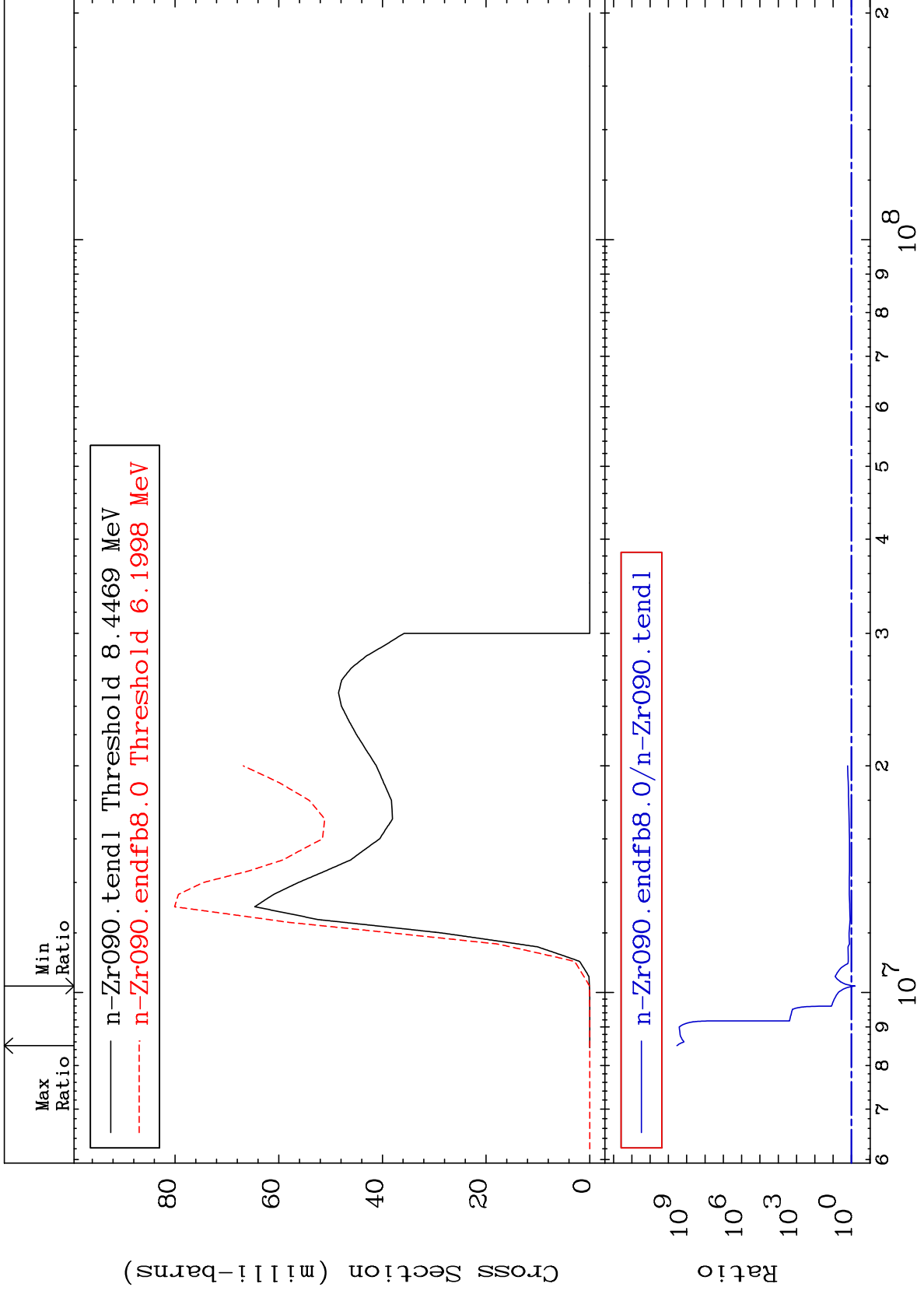


MAT 4025

(n, n') p:39-Y -89g

40-Zr-90

Radionuclide Production Cross Section -36.88 To 9999. %

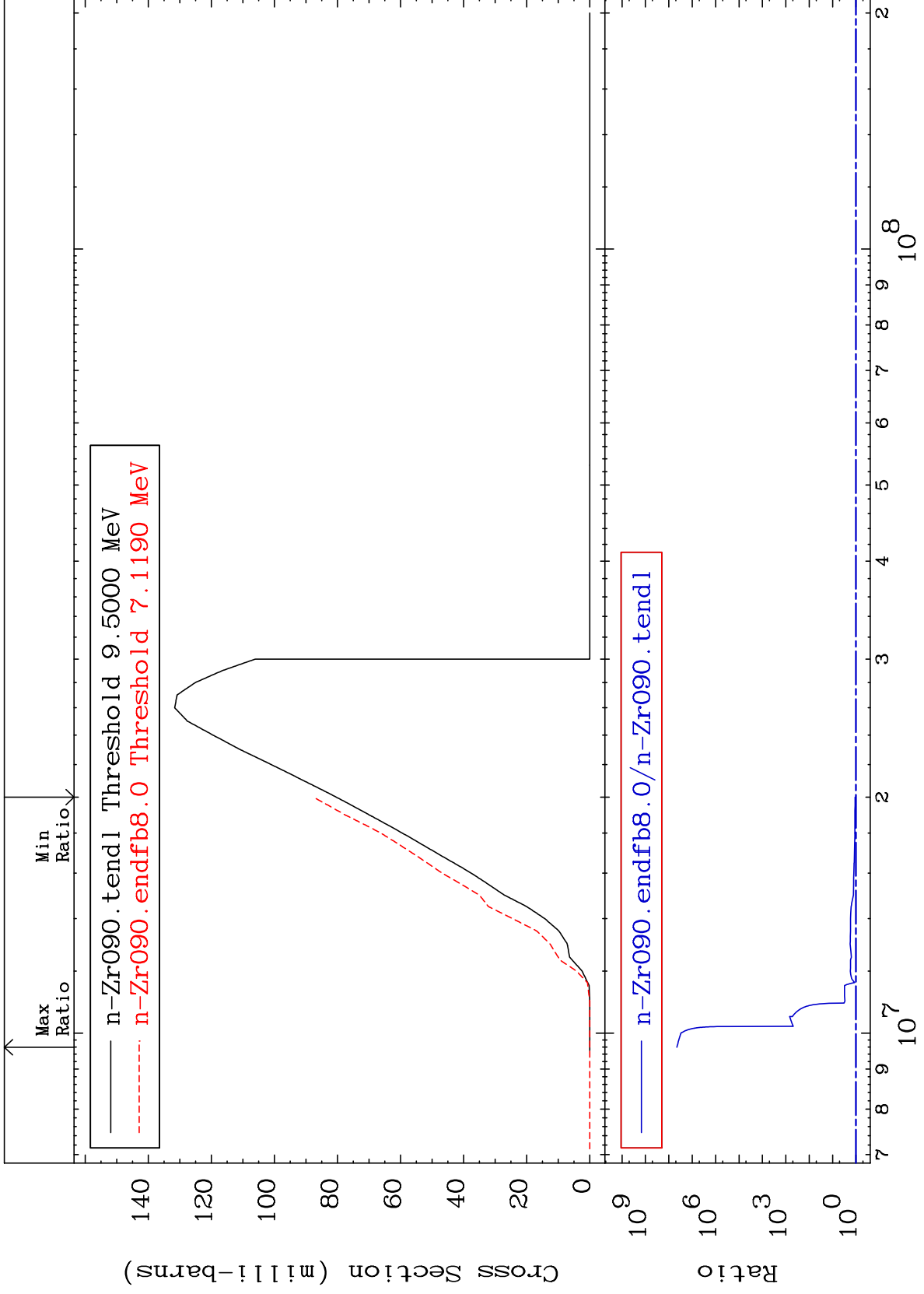


MAT 4025

(n,n') p:39-Y -89m1

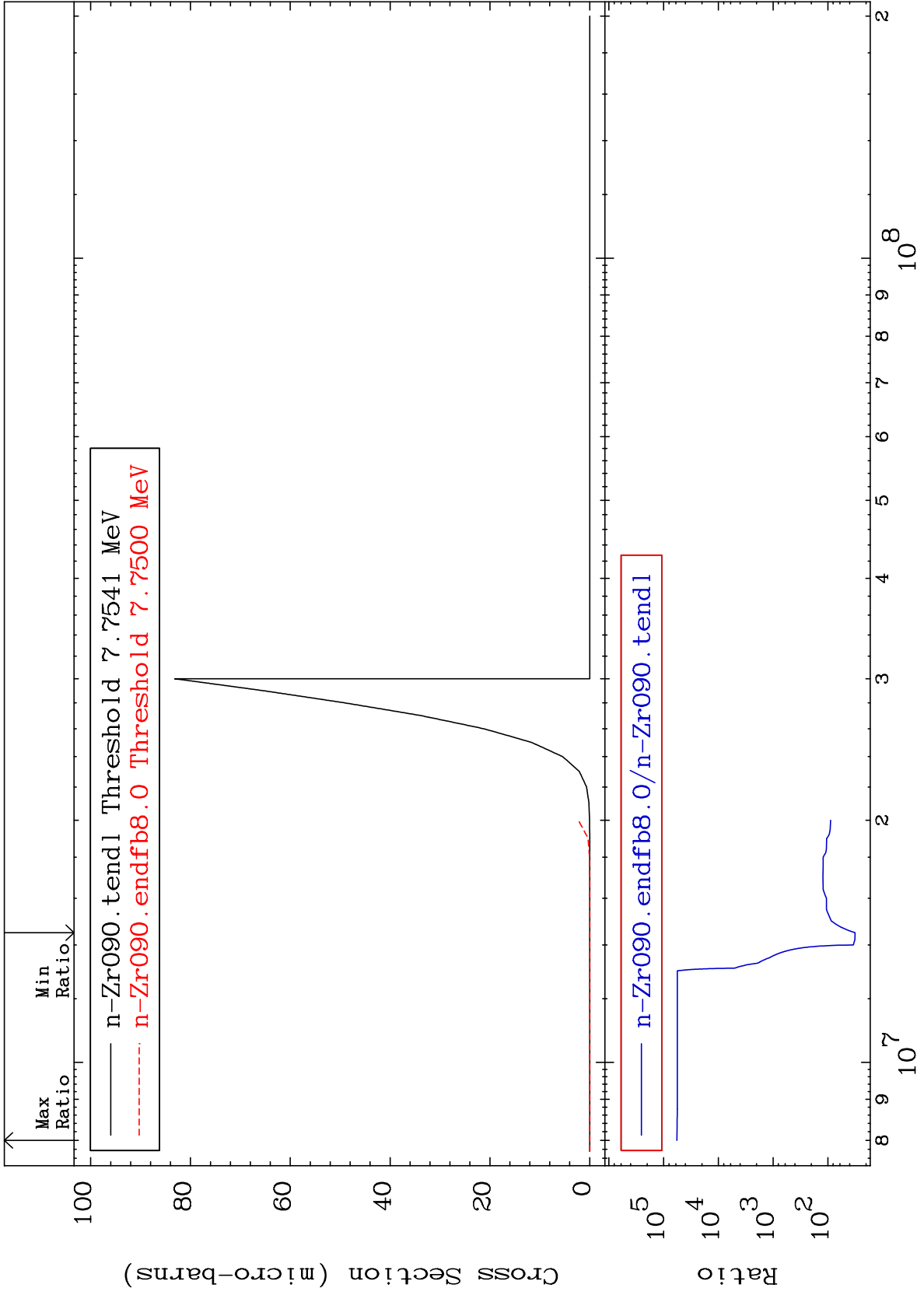
40-Zr-90

Radionuclide Production Cross Section 9.087 To 9999. %



MAT 4025

(n, p) α : 37-Rb-86g 40-Zr-90
Radionuclide Production Cross Section 3082. To 9999. %

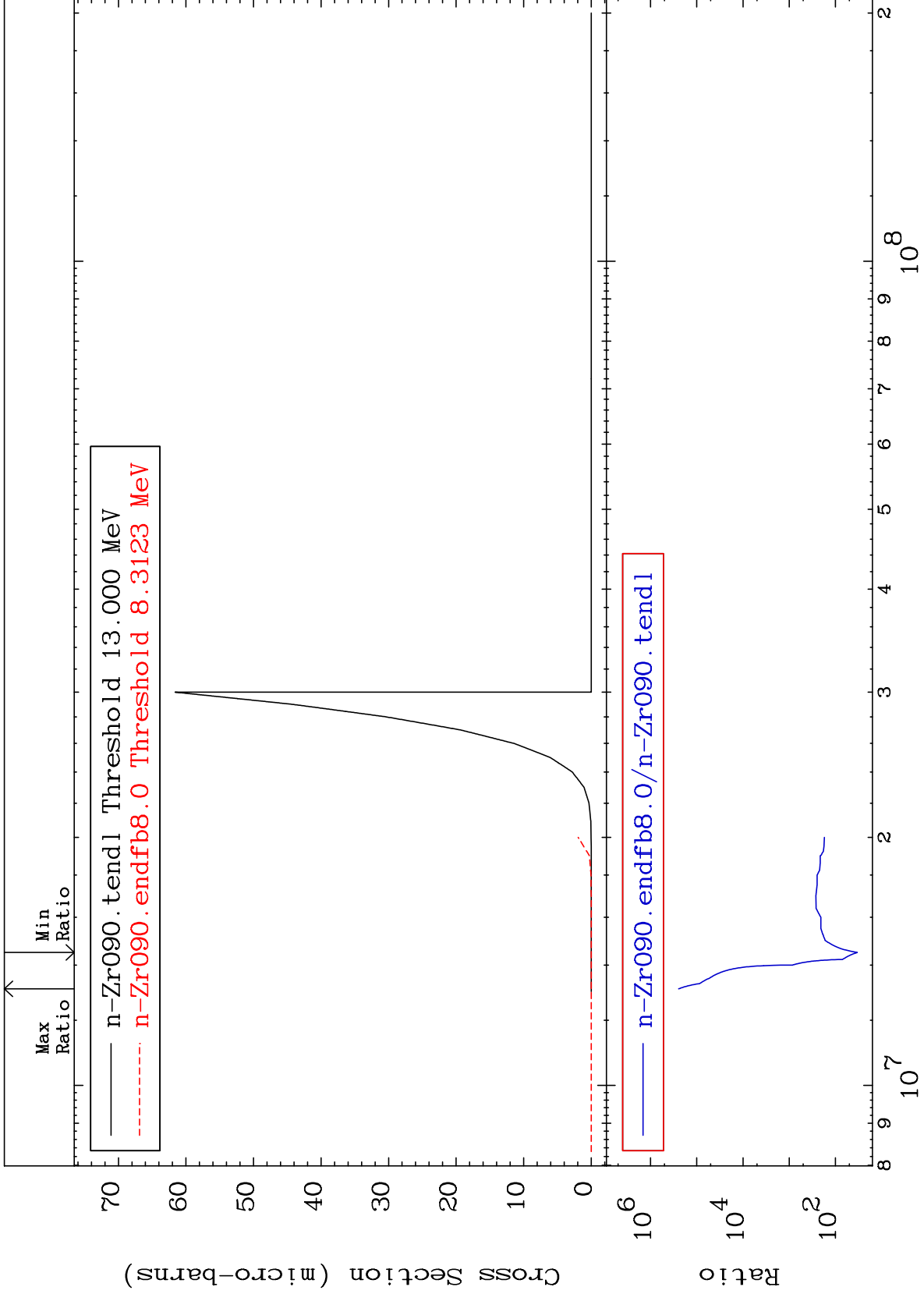


MAT 4025

(n, p) α :37-Rb-86m2

40-Zr-90

Radionuclide Production Cross Section 3288. To 9999. %



45

Incident Energy (eV)

40-Zr-90