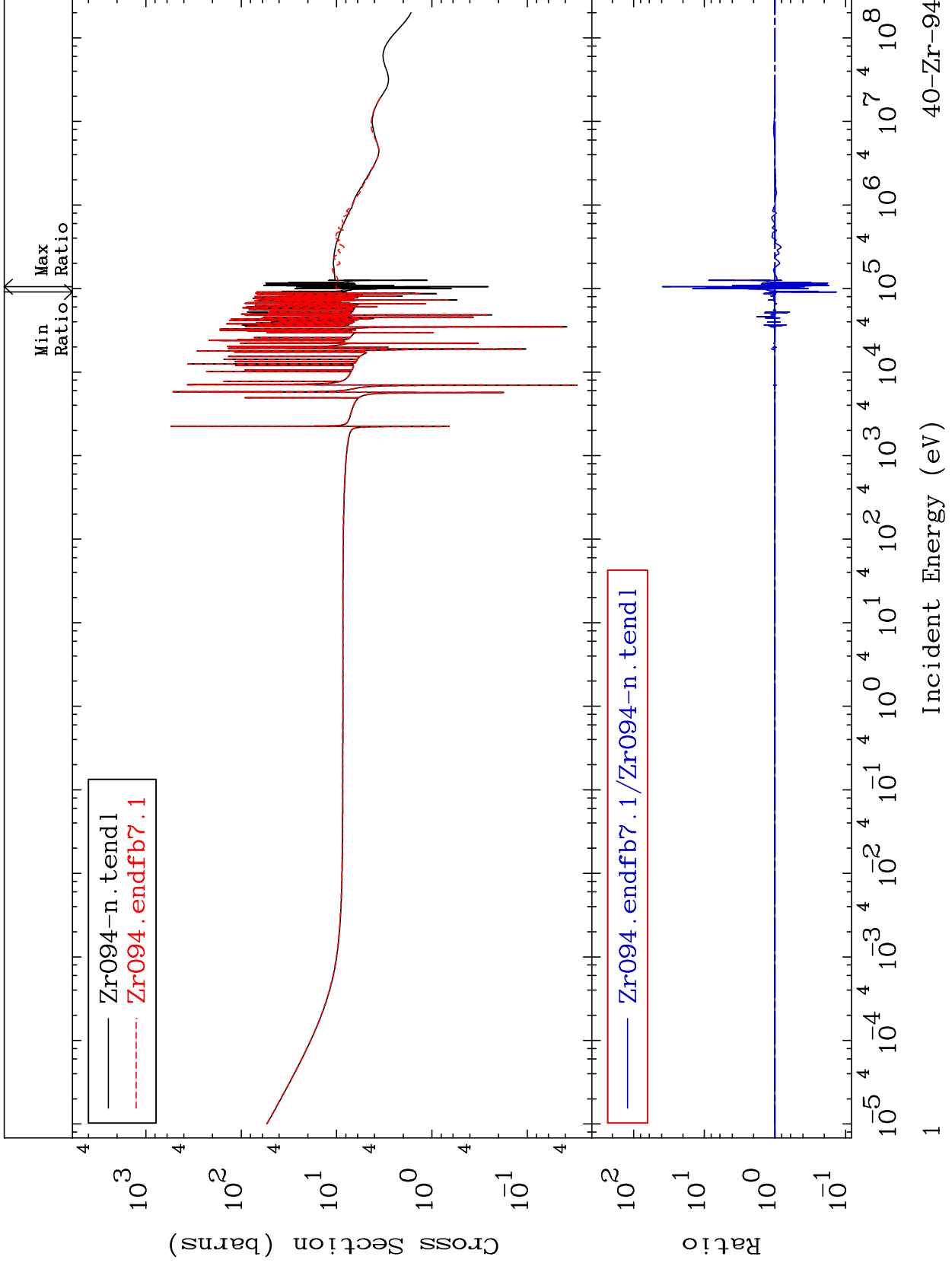


MAT 4037

Total
Cross Section

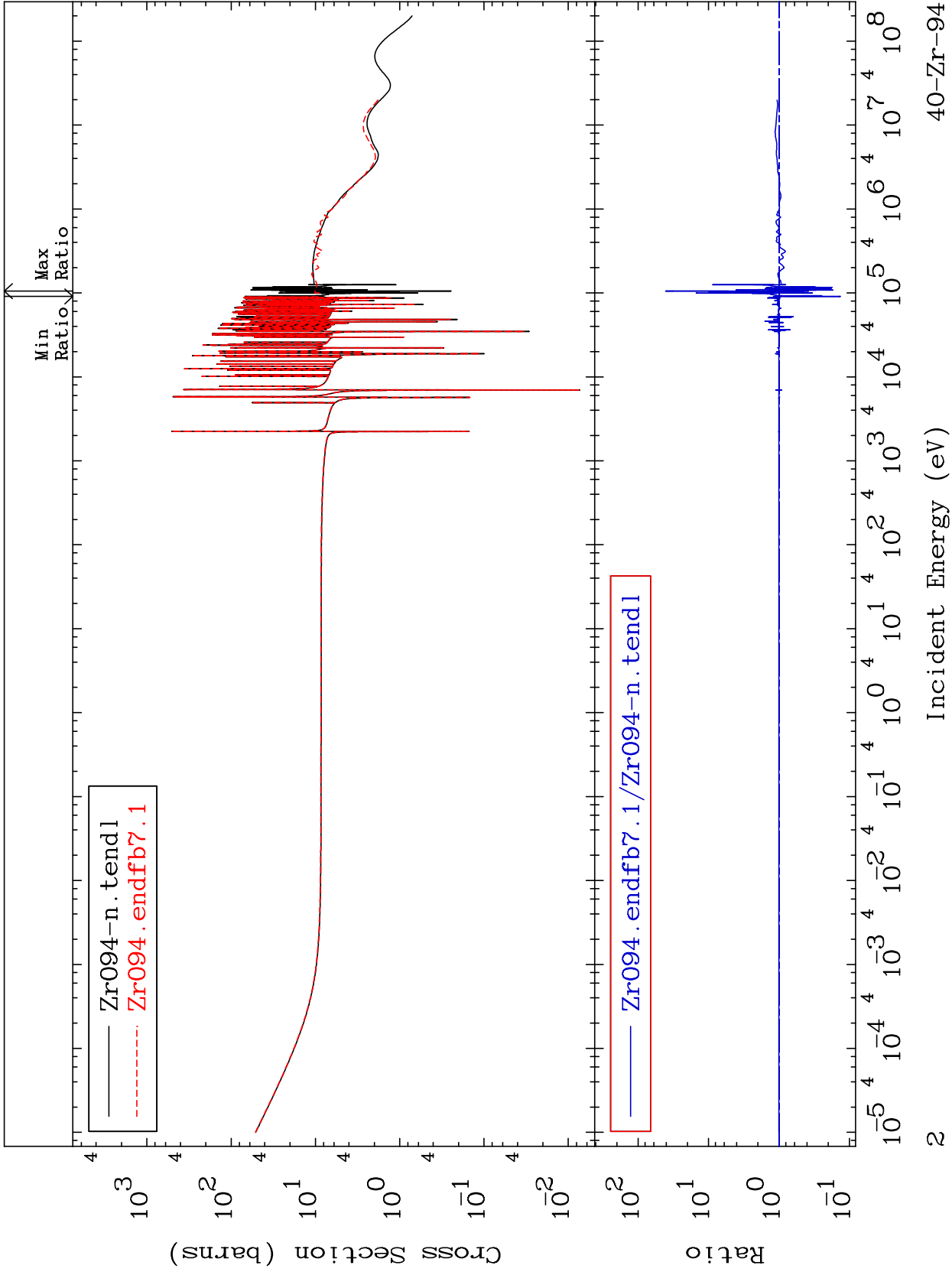
40-Zr-94
-86.66 To 3826. %



MAT 4037

Elastic
Cross Section

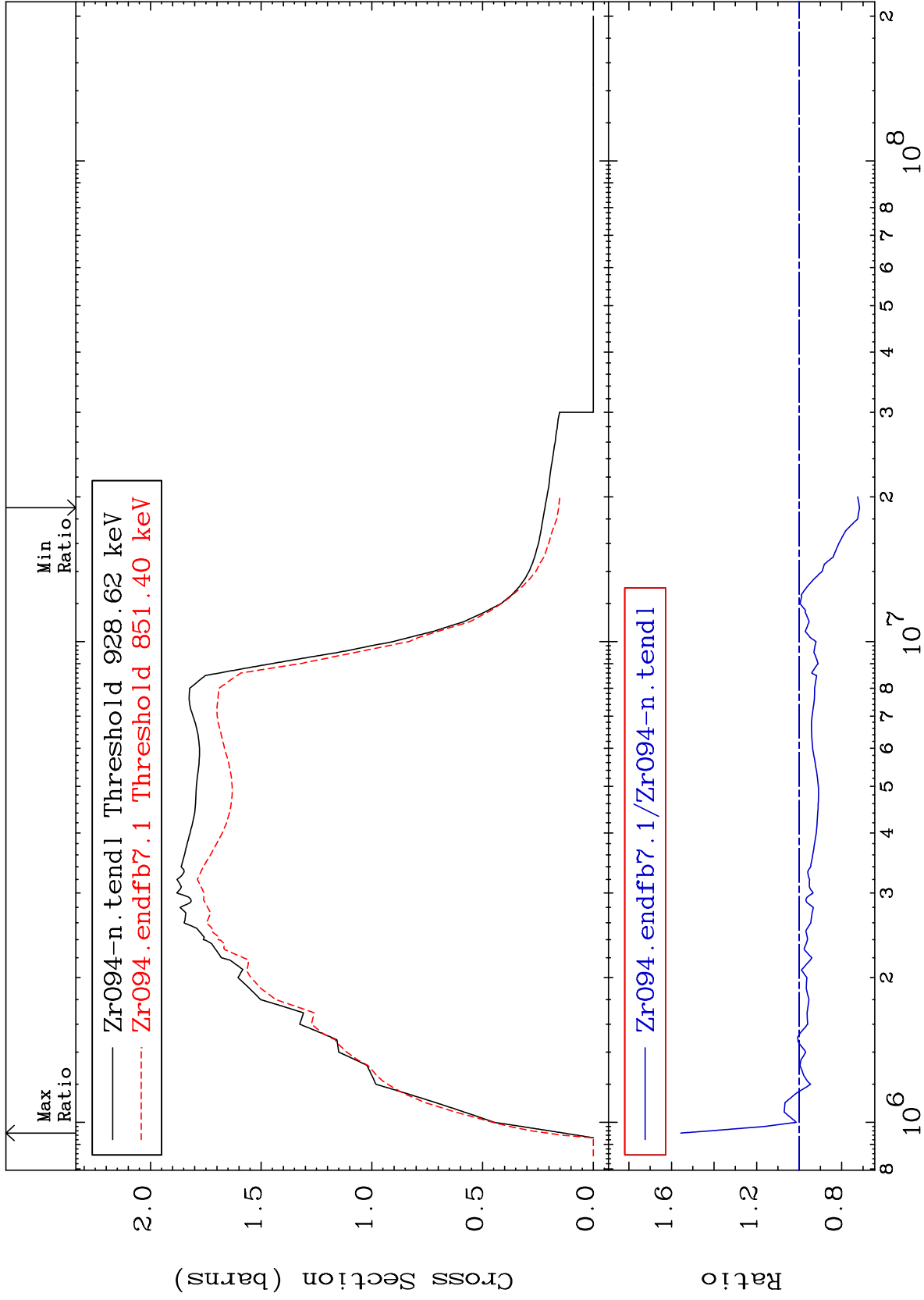
40-Zr-94
-86.67 To 3990. %



MAT 4037

Inelastic
Cross Section

40-Zr-94
-28.38 To 55.64 %



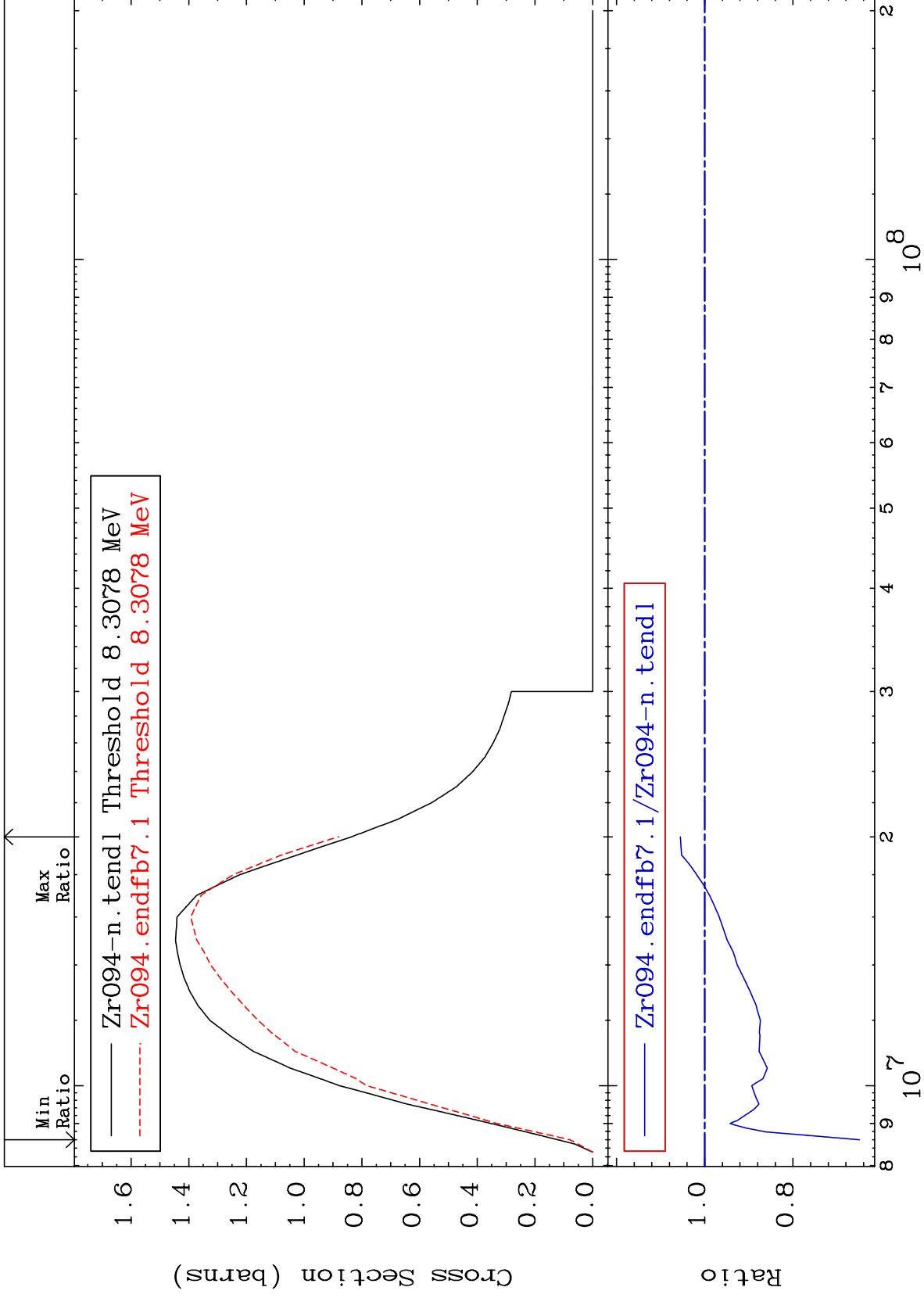
MAT 4037

(n,2n)

40-Zr-94

Cross Section

-35.07 To 5.525 %



Incident Energy (eV)

40-Zr-94

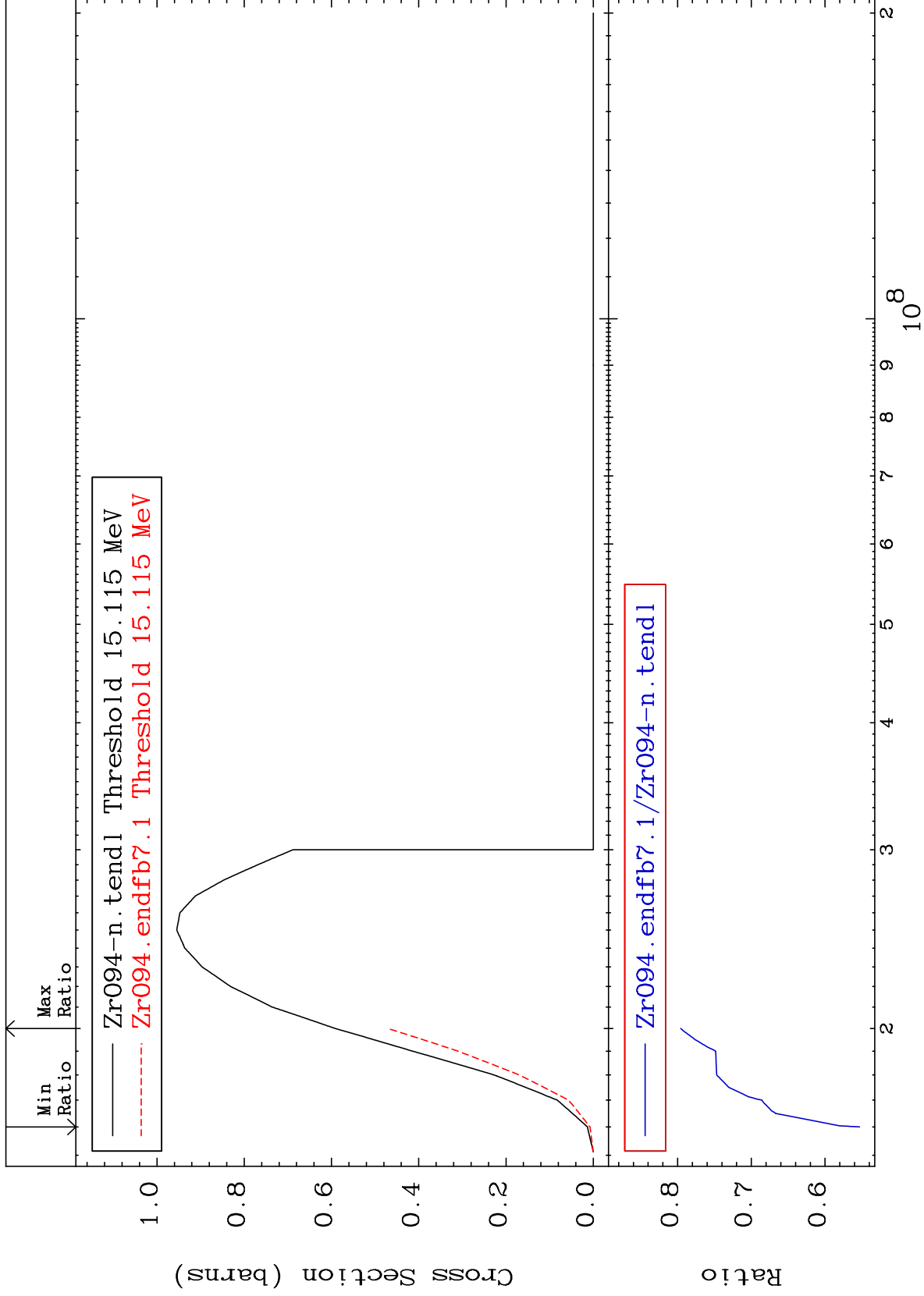
MAT 4037

(n,3n)

40-Zr-94

Cross Section

-44.68 To -20.43%



5

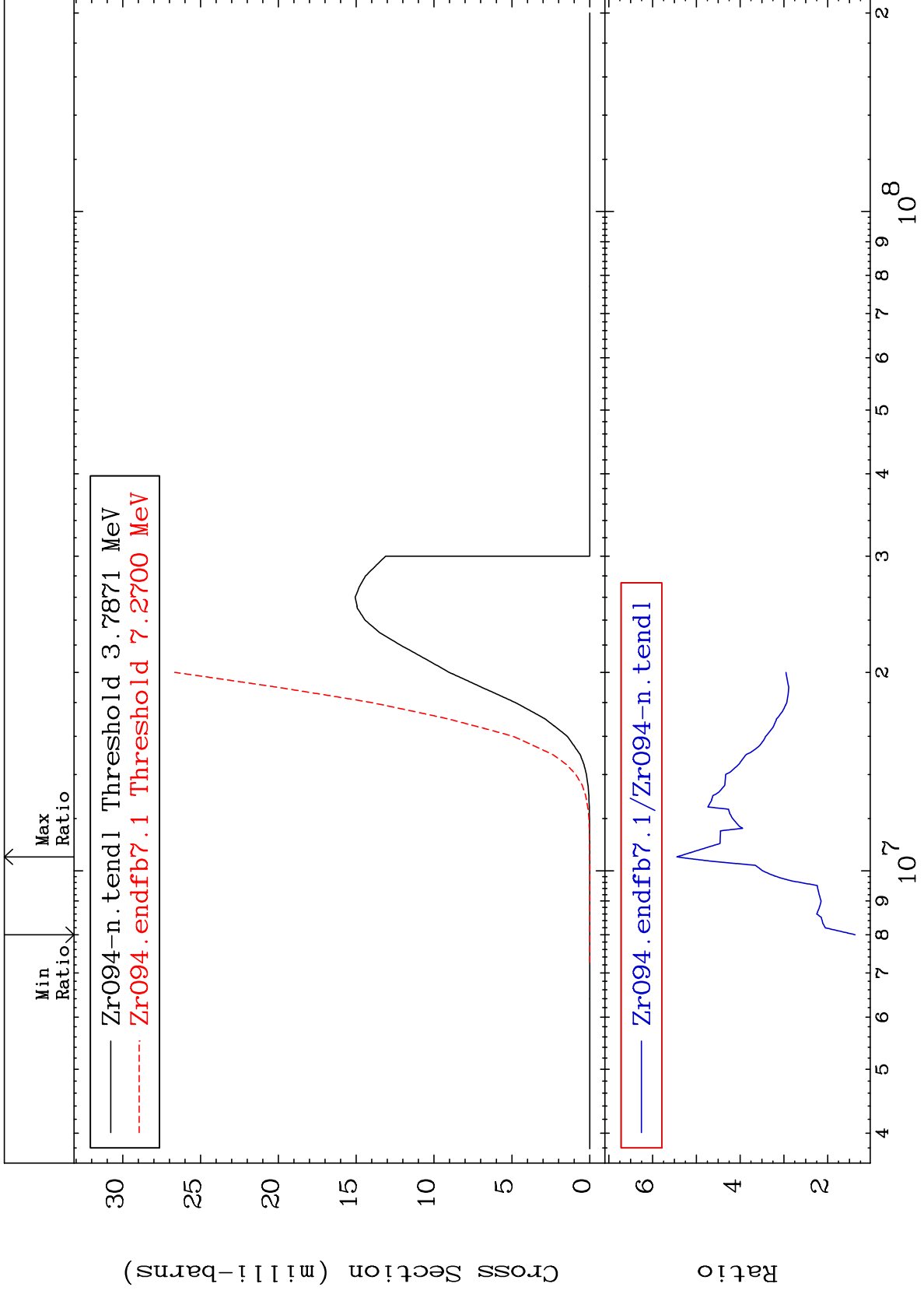
Incident Energy (eV)

40-Zr-94

MAT 4037

(n, n') α
Cross Section

40-Zr-94
37.25 To 444.4 %



6

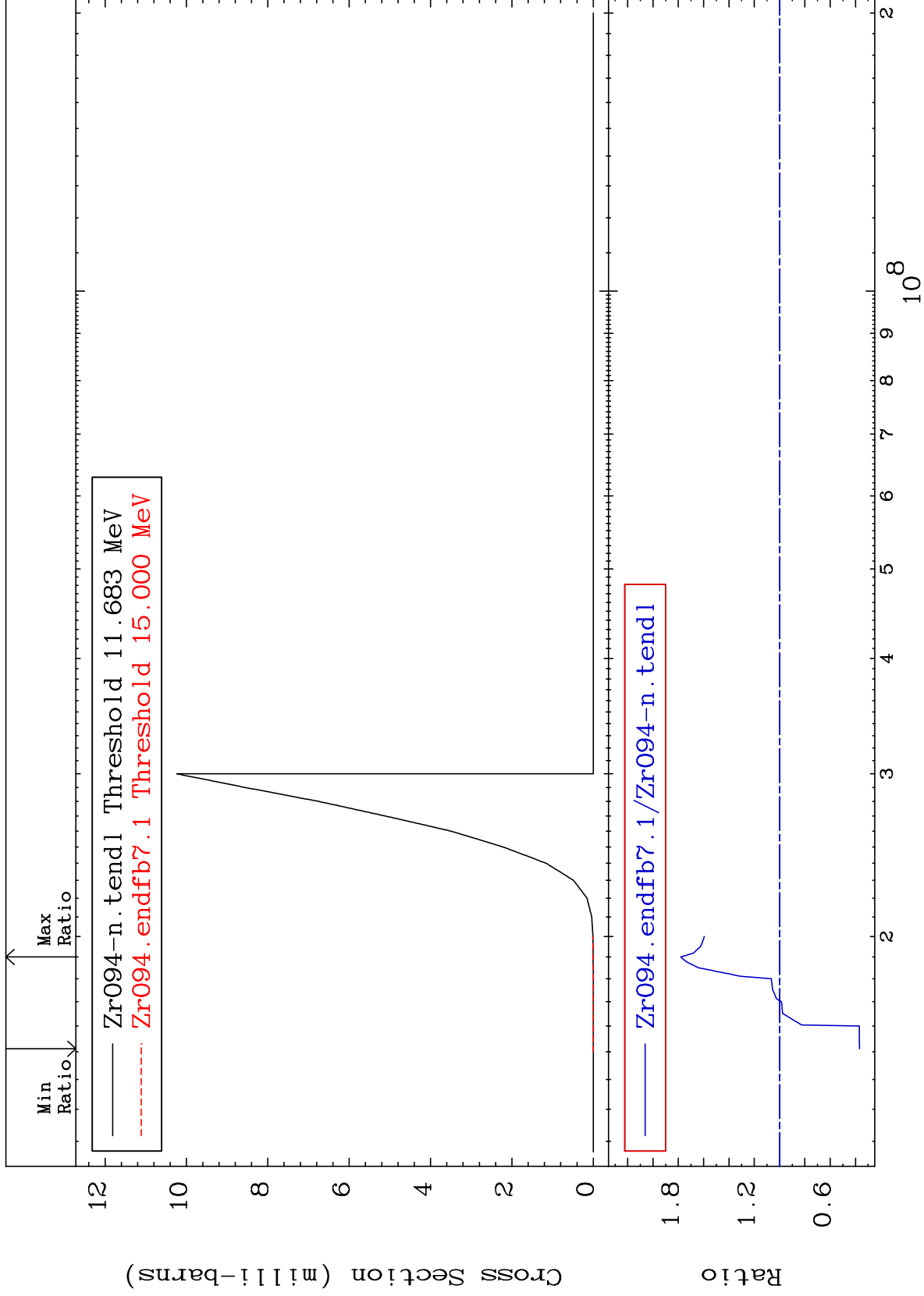
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,2n) α
Cross Section

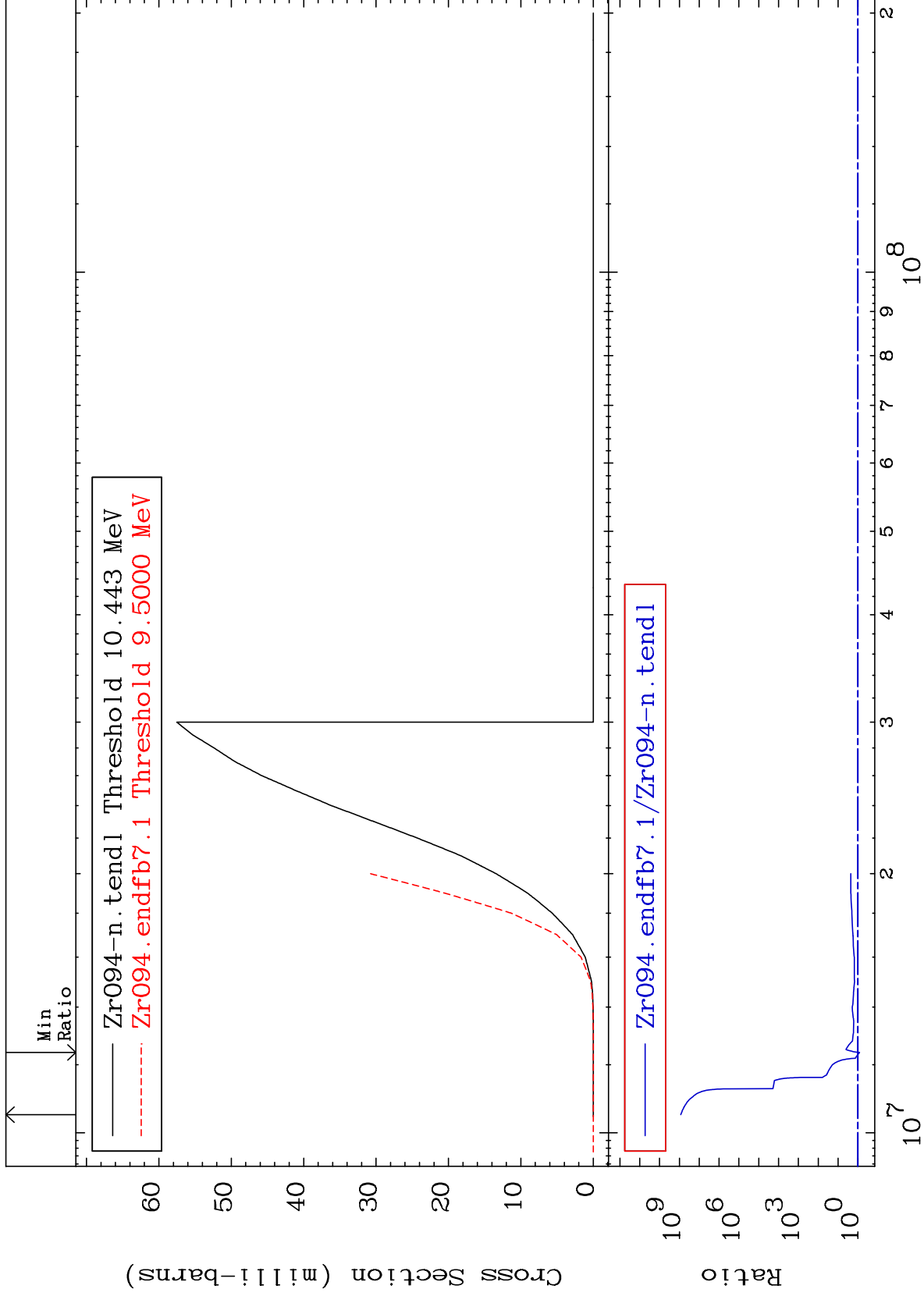
40-Zr-94
-63.20 To 78.07 %



MAT 4037

(n, n') p
Cross Section

40-Zr-94
-17.44 To 9999. %



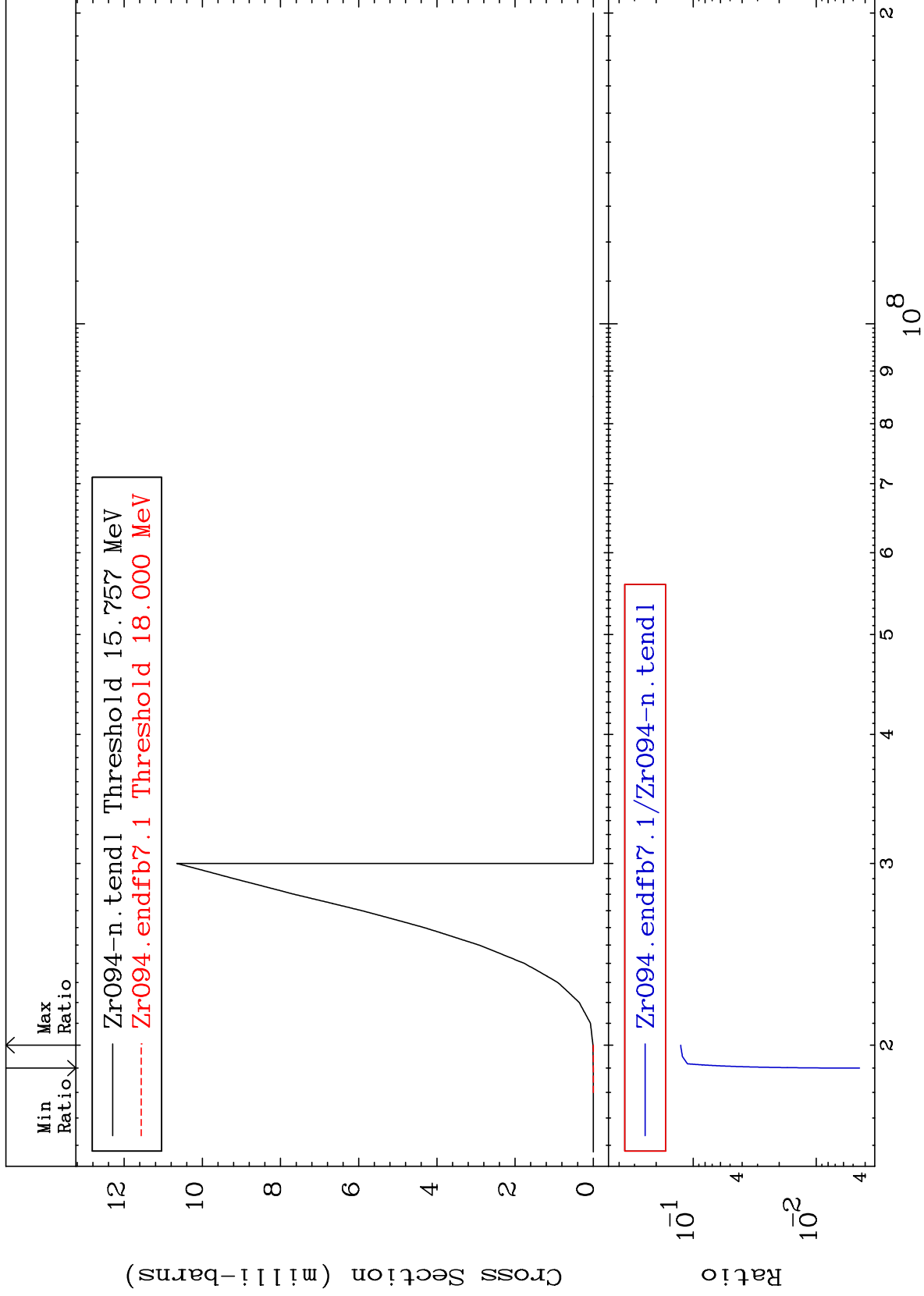
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,n') d
Cross Section

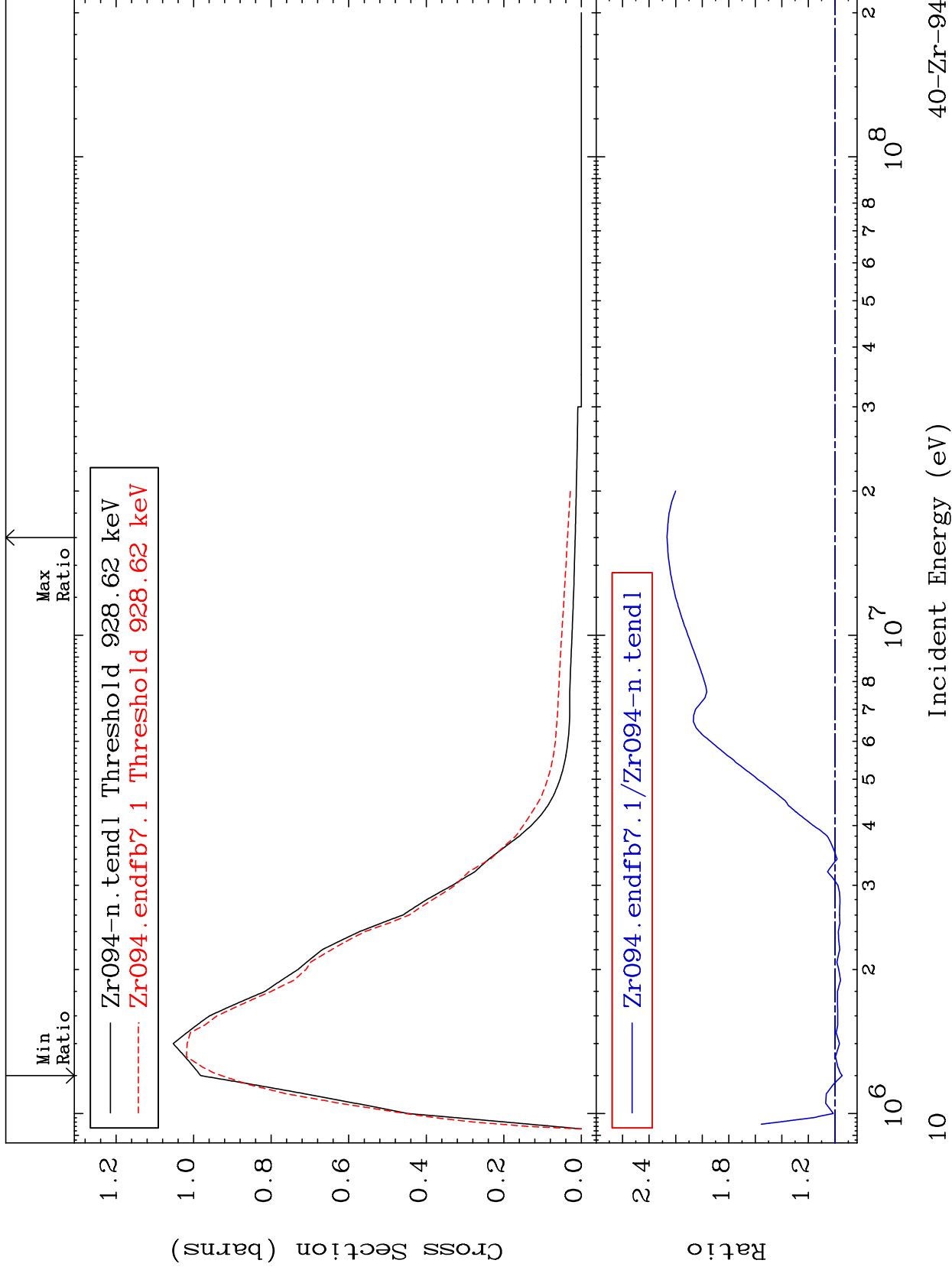
40-Zr-94
-99.56 To -87.40%



MAT 4037

918.8 keV (n,n') Level
Cross Section

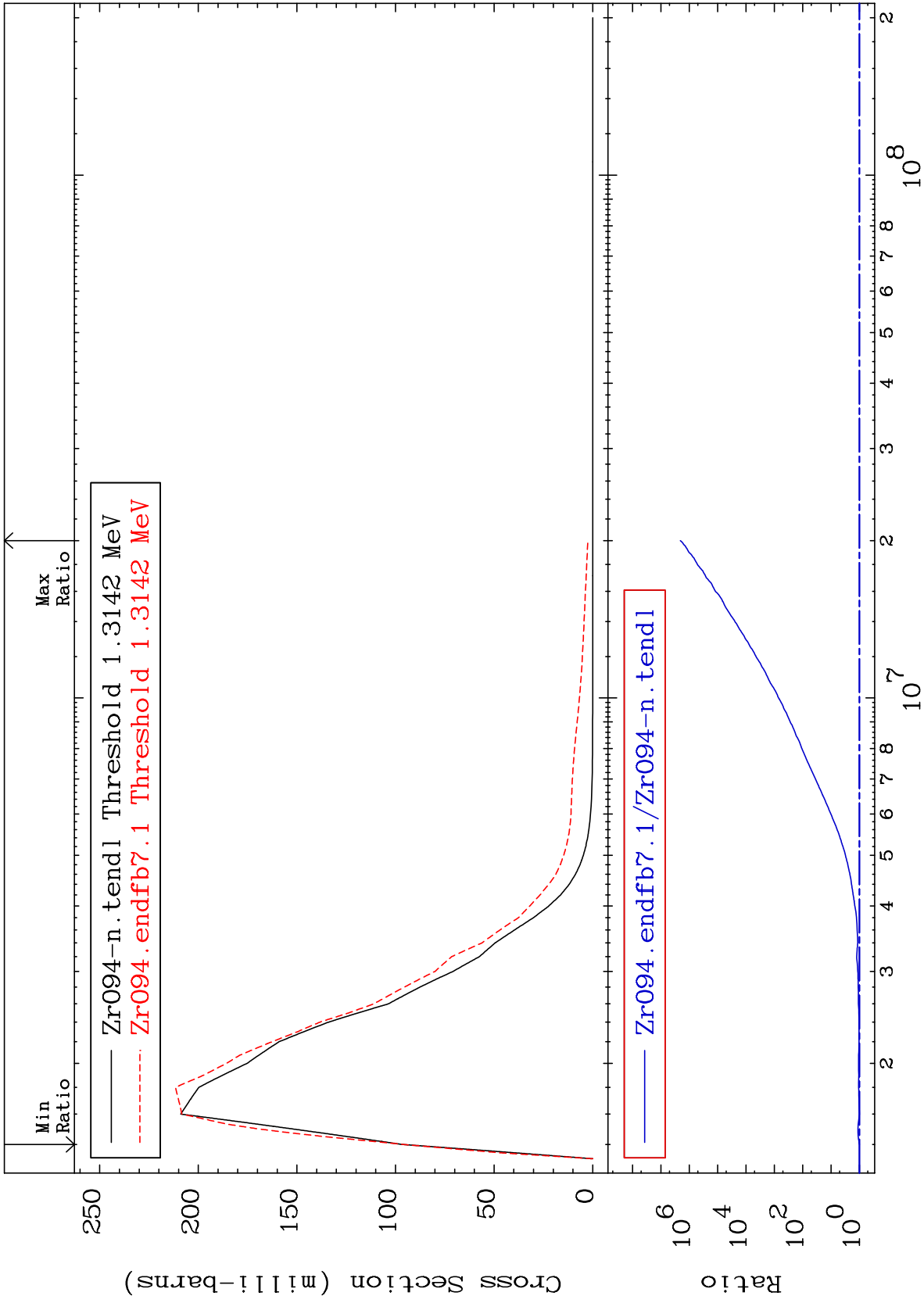
40-Zr-94
-5.445 To 126.5 %



MAT 4037

1.300 MeV (n,n') Level
Cross Section

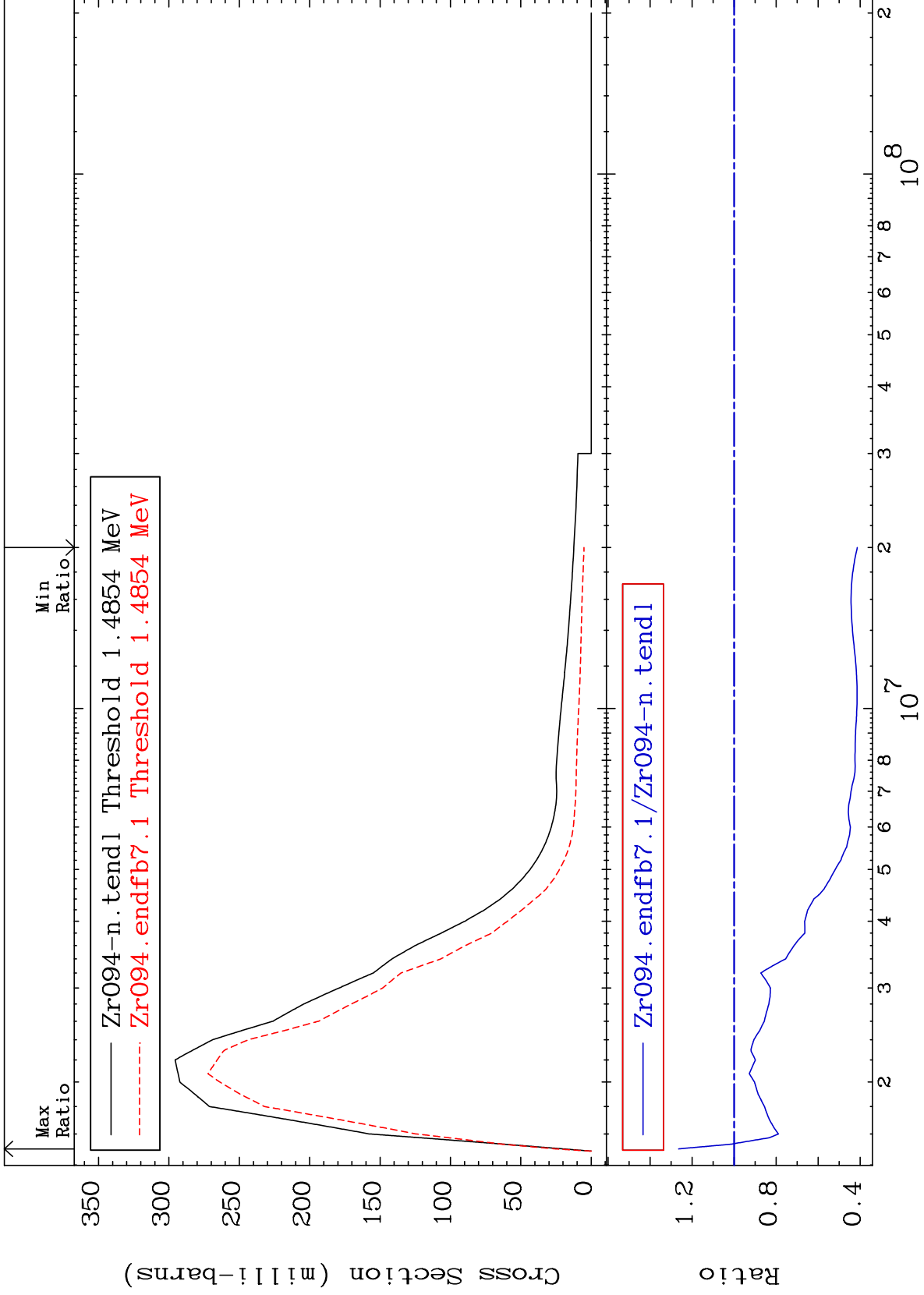
40-Zr-94
-0.834 To 9999. %



MAT 4037

1.470 MeV (n,n') Level
Cross Section

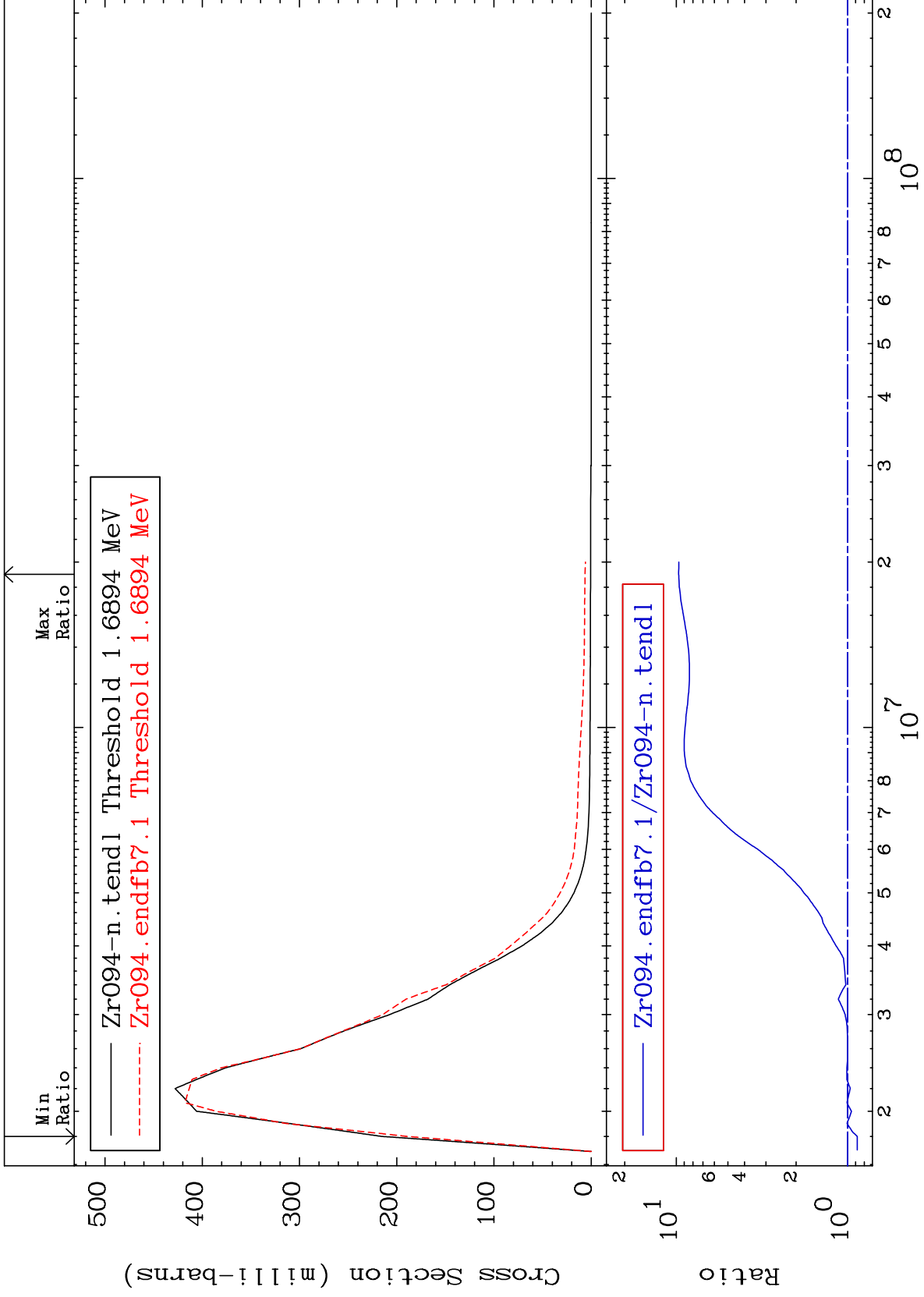
40-Zr-94
-58.66 To 26.41 %



MAT 4037

1.671 MeV (n,n') Level
Cross Section

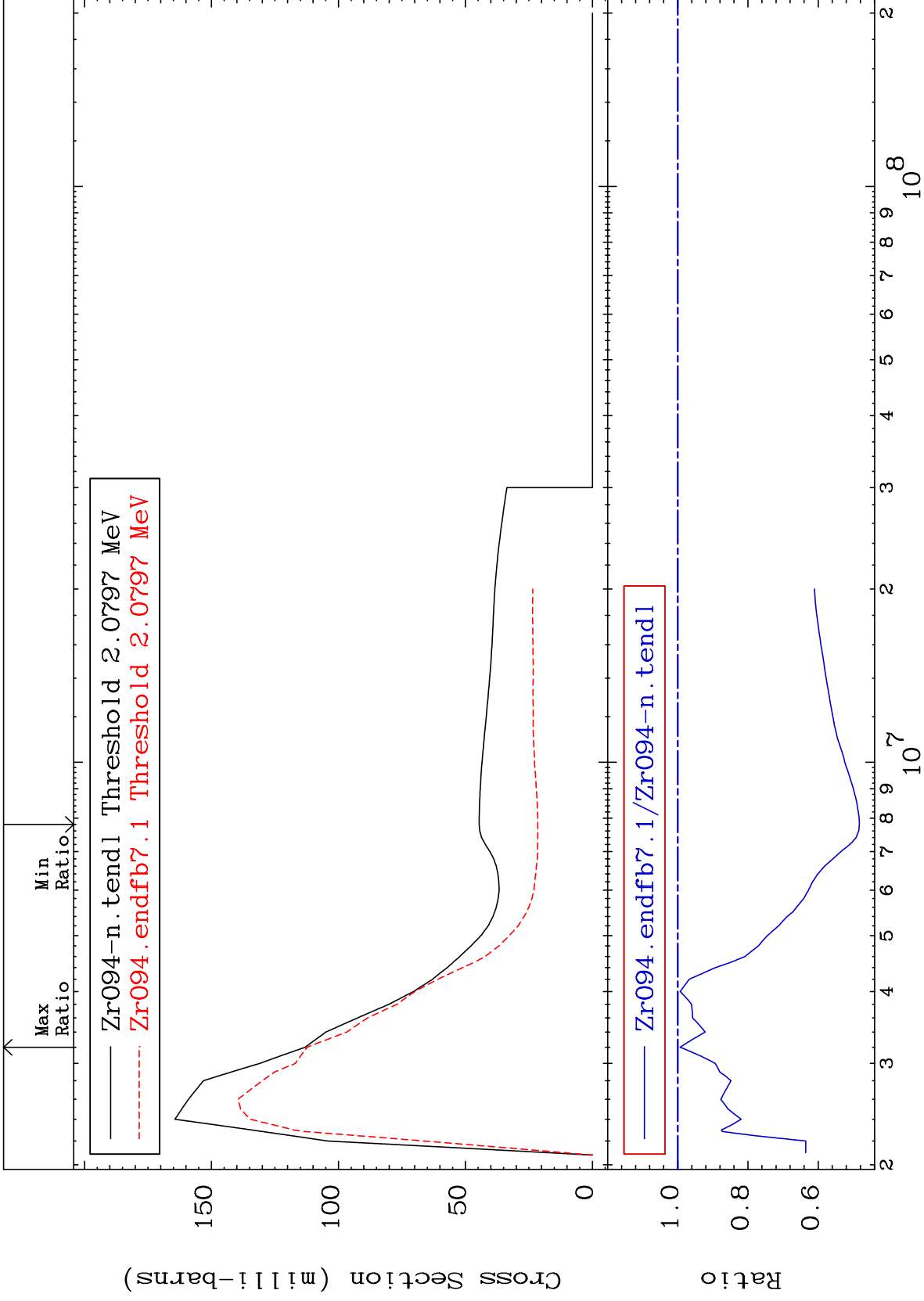
40-Zr-94
-12.11 To 869.2 %



MAT 4037

2.058 MeV (n,n') Level
Cross Section

40-Zr-94
-51.73 To -0.682%



14

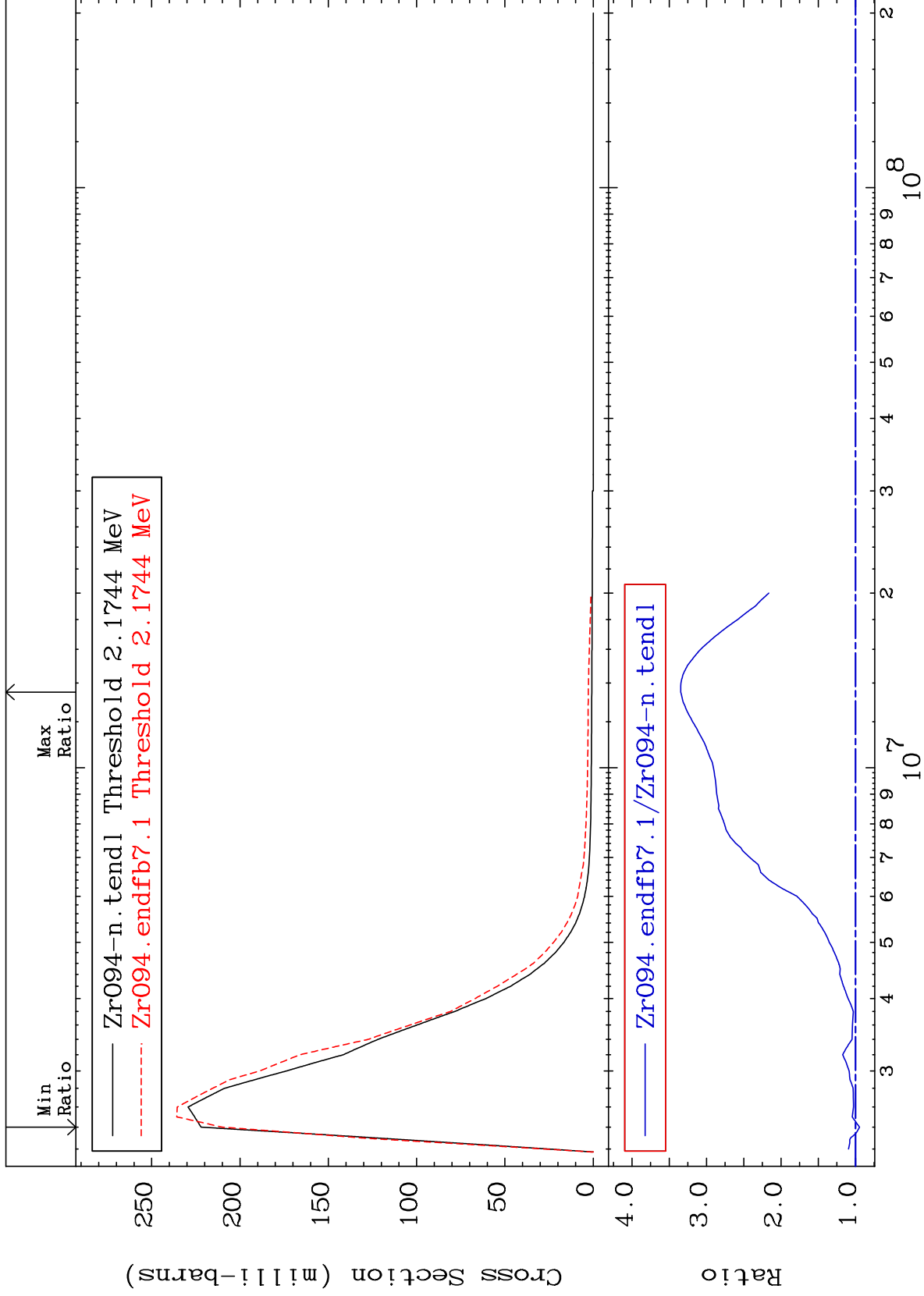
Incident Energy (eV)

40-Zr-94

MAT 4037

2.151 MeV (n,n') Level
Cross Section

40-Zr-94
-5.425 To 234.6 %



15

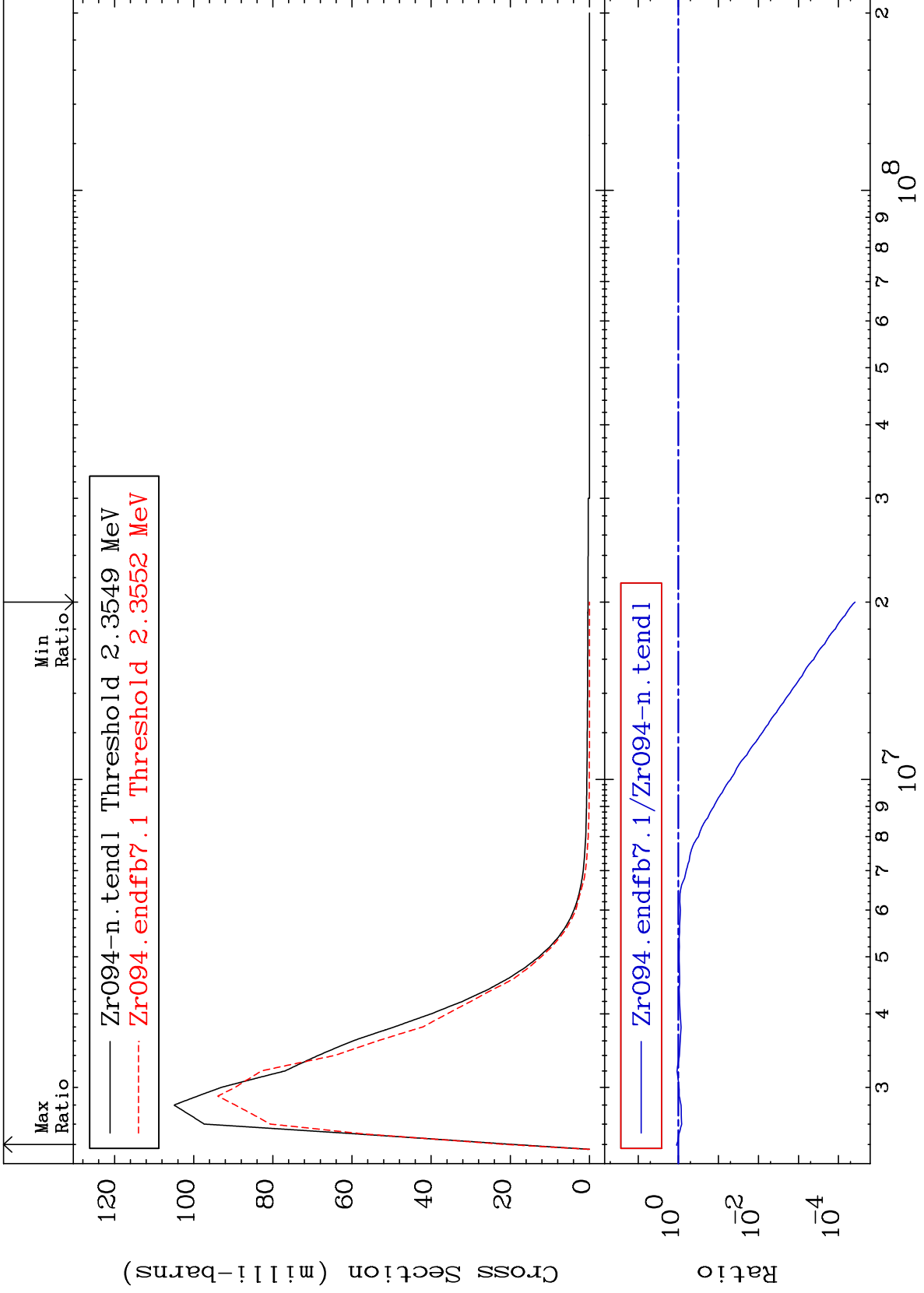
Incident Energy (eV)

40-Zr-94

MAT 4037

2.330 MeV (n,n') Level
Cross Section

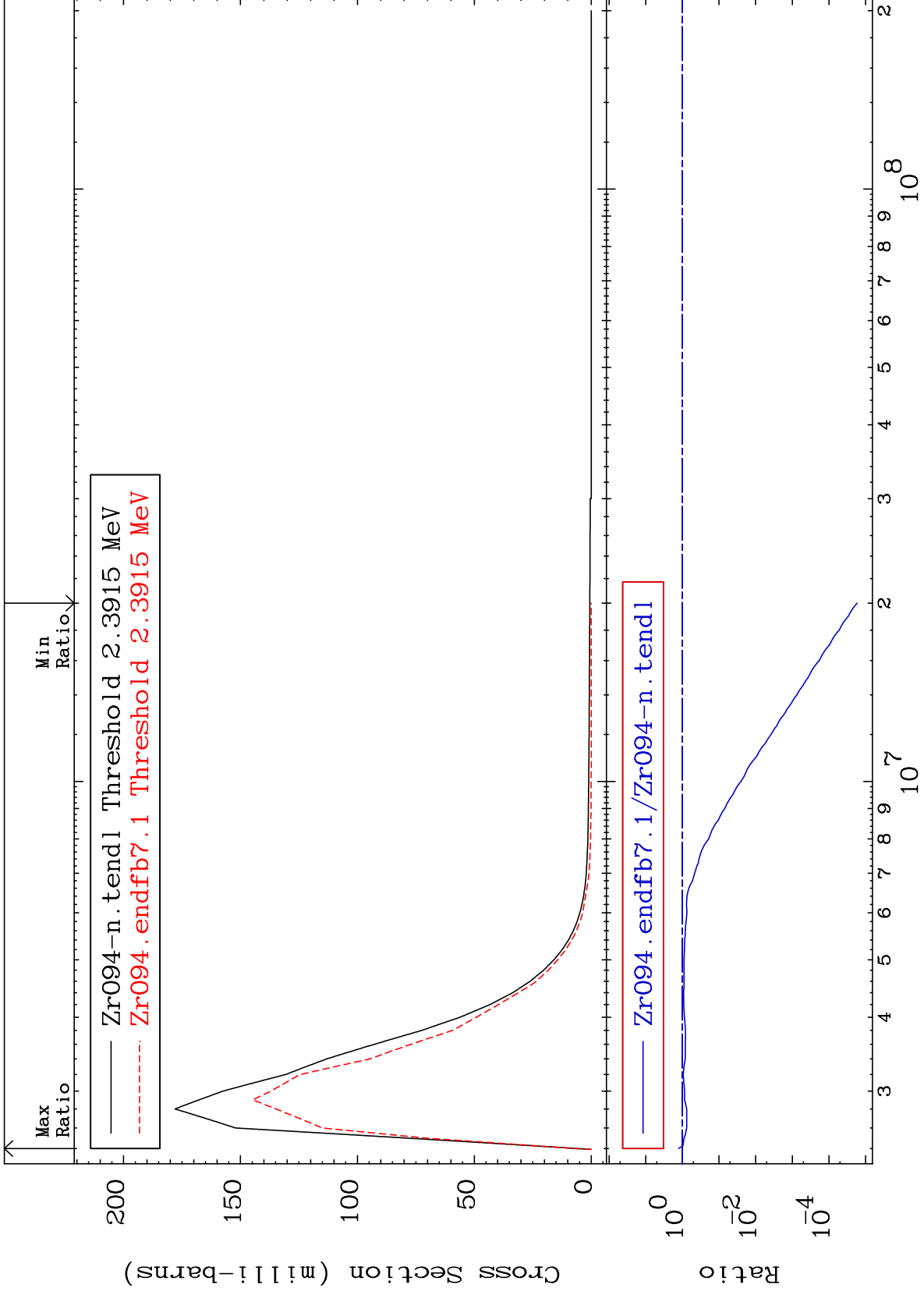
40-Zr-94
-100.0 To 9.728 %



MAT 4037

2.366 MeV (n,n') Level
Cross Section

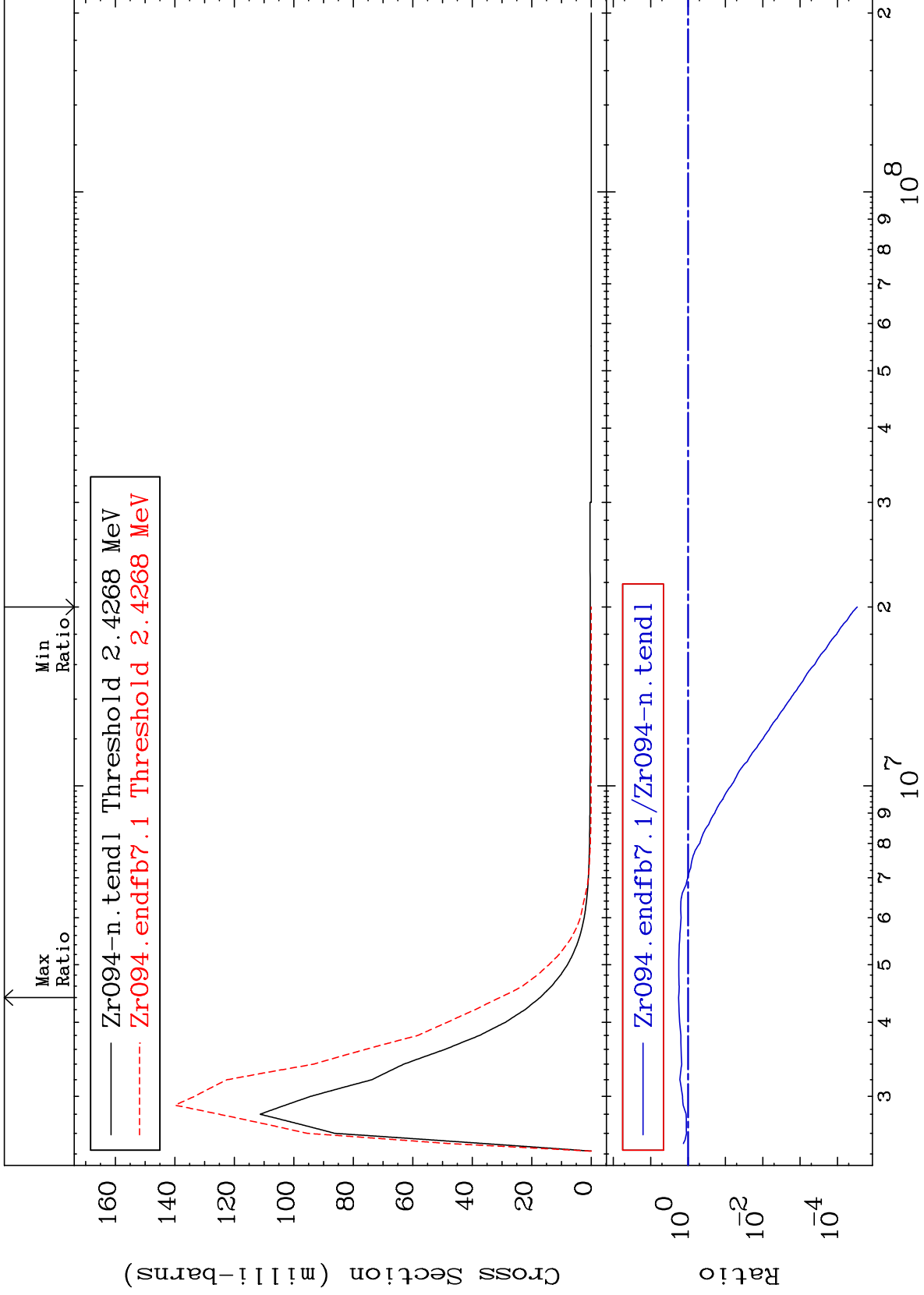
40-Zr-94
-100.0 To 26.03 %



MAT 4037

2.401 MeV (n,n') Level
Cross Section

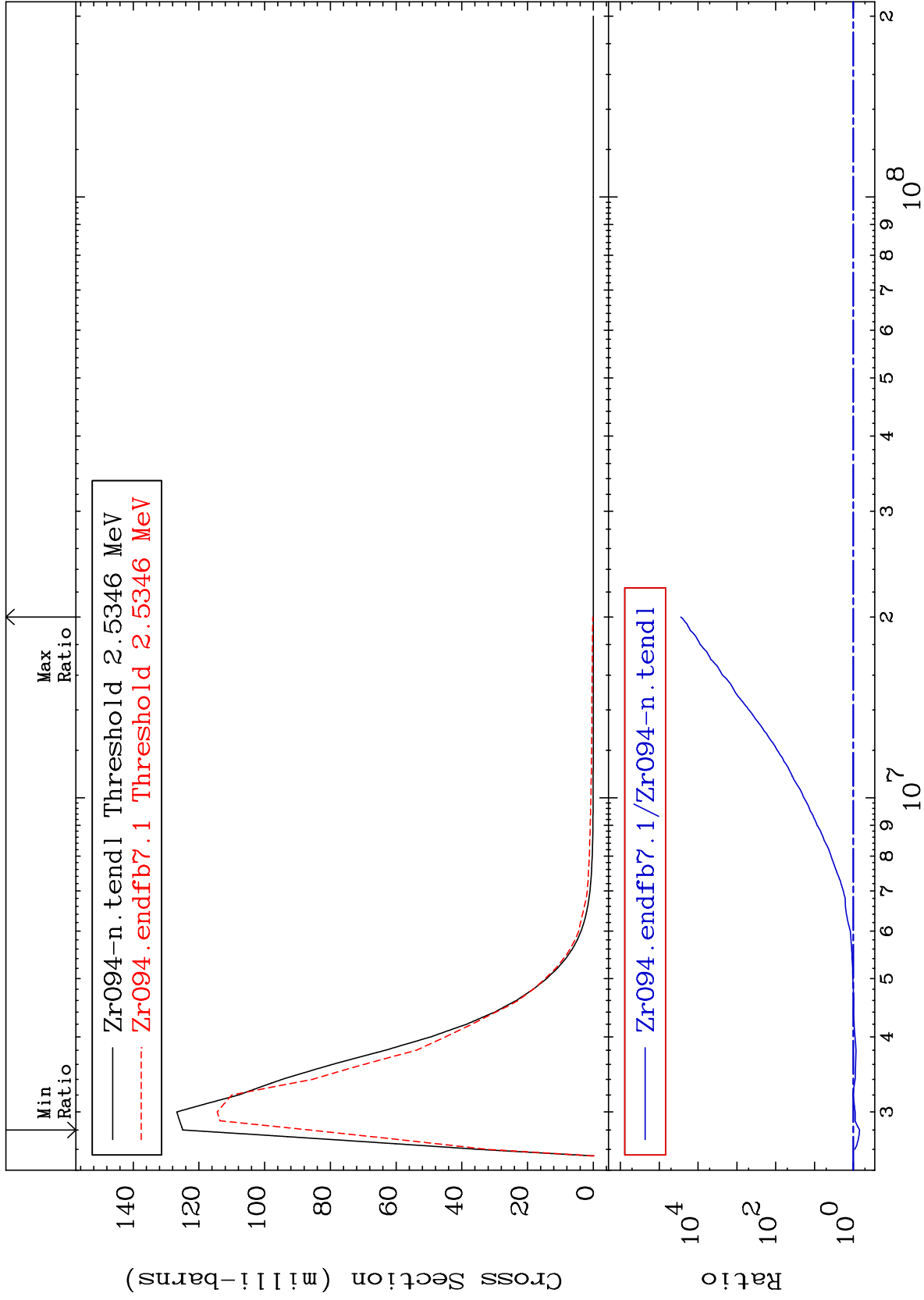
40-Zr-94
-100.0 To 78.70 %



MAT 4037

2.508 MeV (n,n') Level
Cross Section

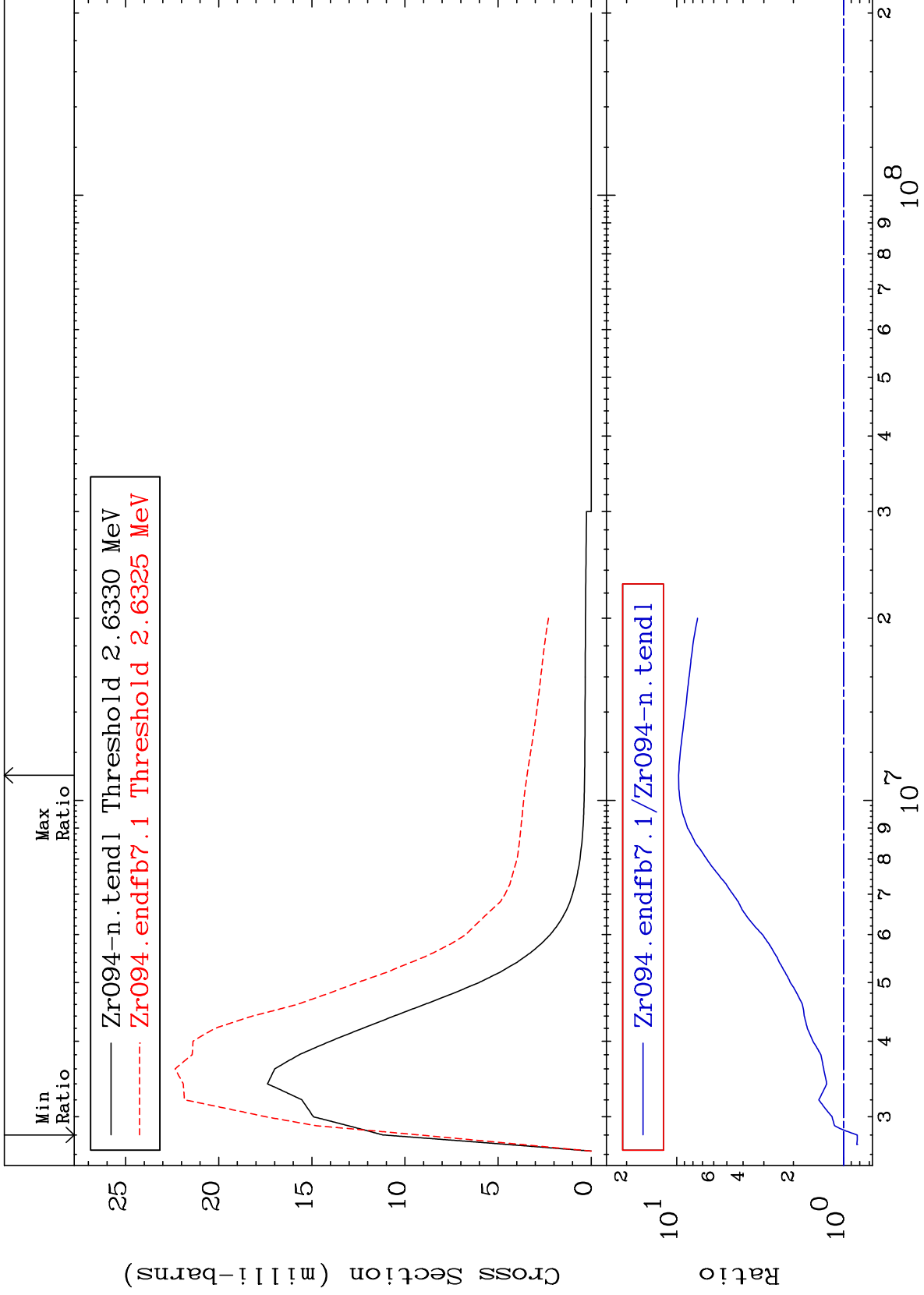
40-Zr-94
-30.71 To 9999. %



MAT 4037

2.605 MeV (n,n') Level
Cross Section

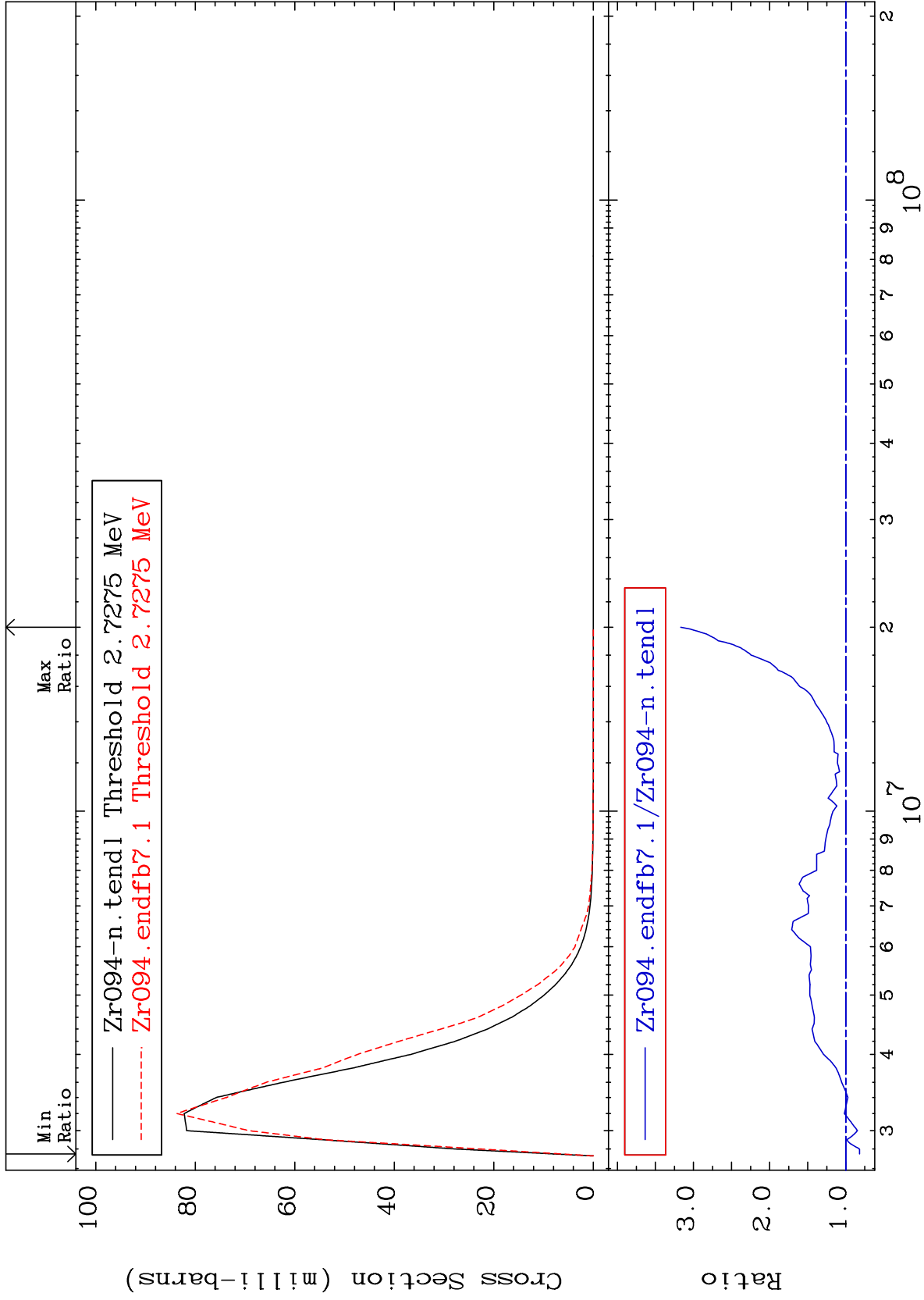
40-Zr-94
-17.29 To 874.1 %



MAT 4037

2.698 MeV (n,n') Level
Cross Section

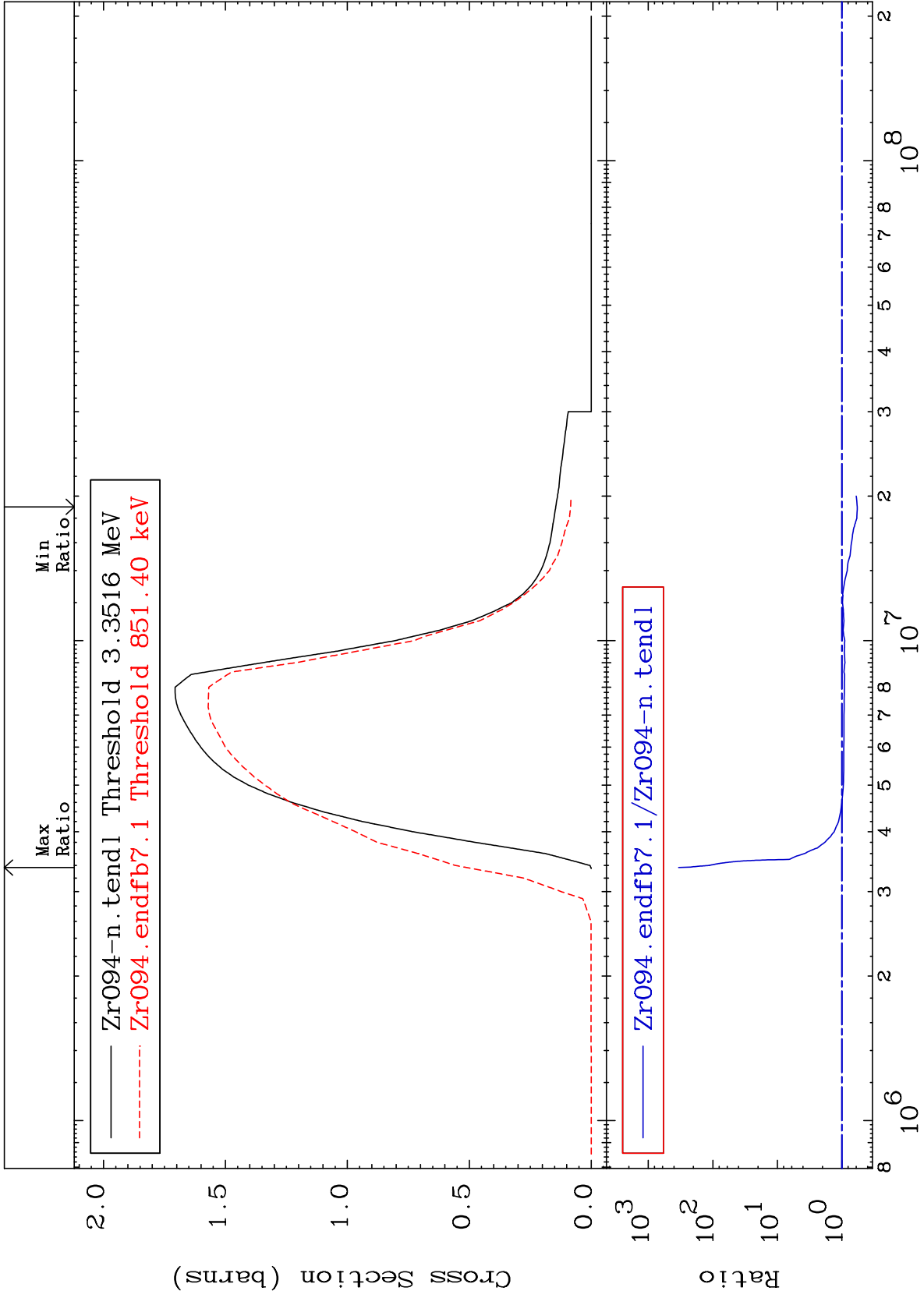
40-Zr-94
-18.04 To 216.7 %



MAT 4037

(n, n') Continuum
Cross Section

40-Zr-94
-42.12 To 9999. %

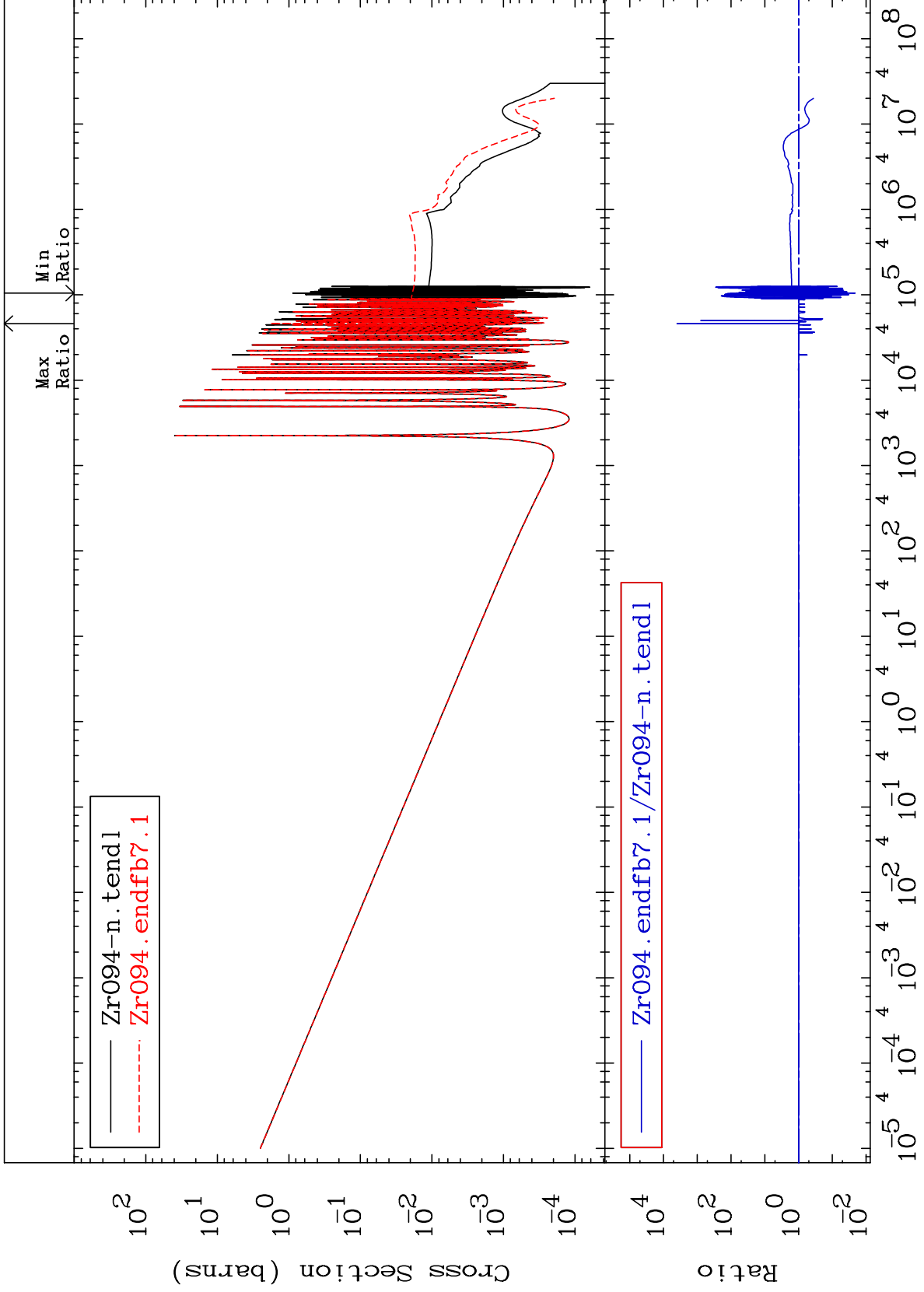


MAT 4037

(n, γ)

Cross Section

40-Zr-94
-97.88 To 9999. %



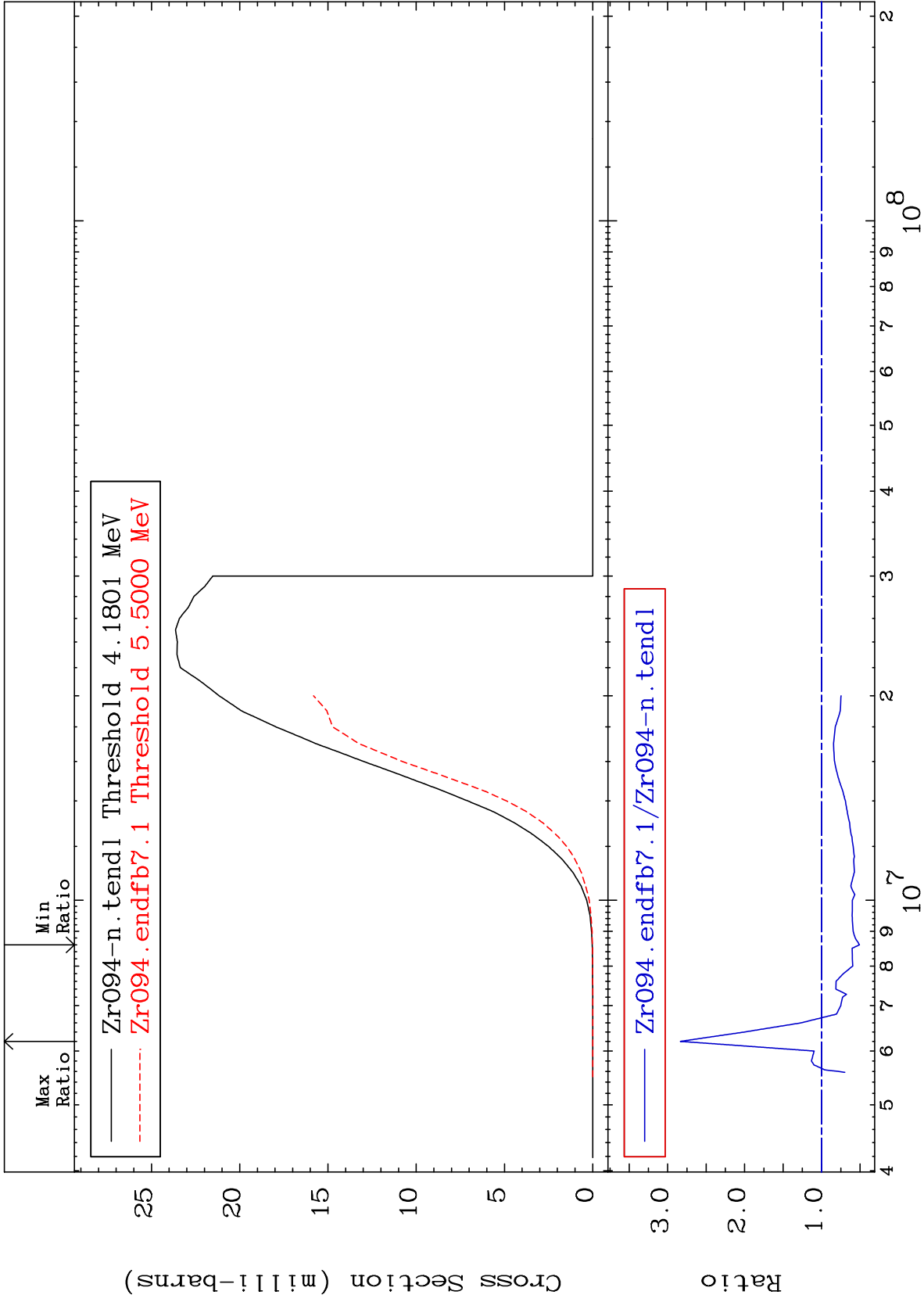
MAT 4037

(n, p)

40-Zr-94

Cross Section

-49.24 To 183.5 %



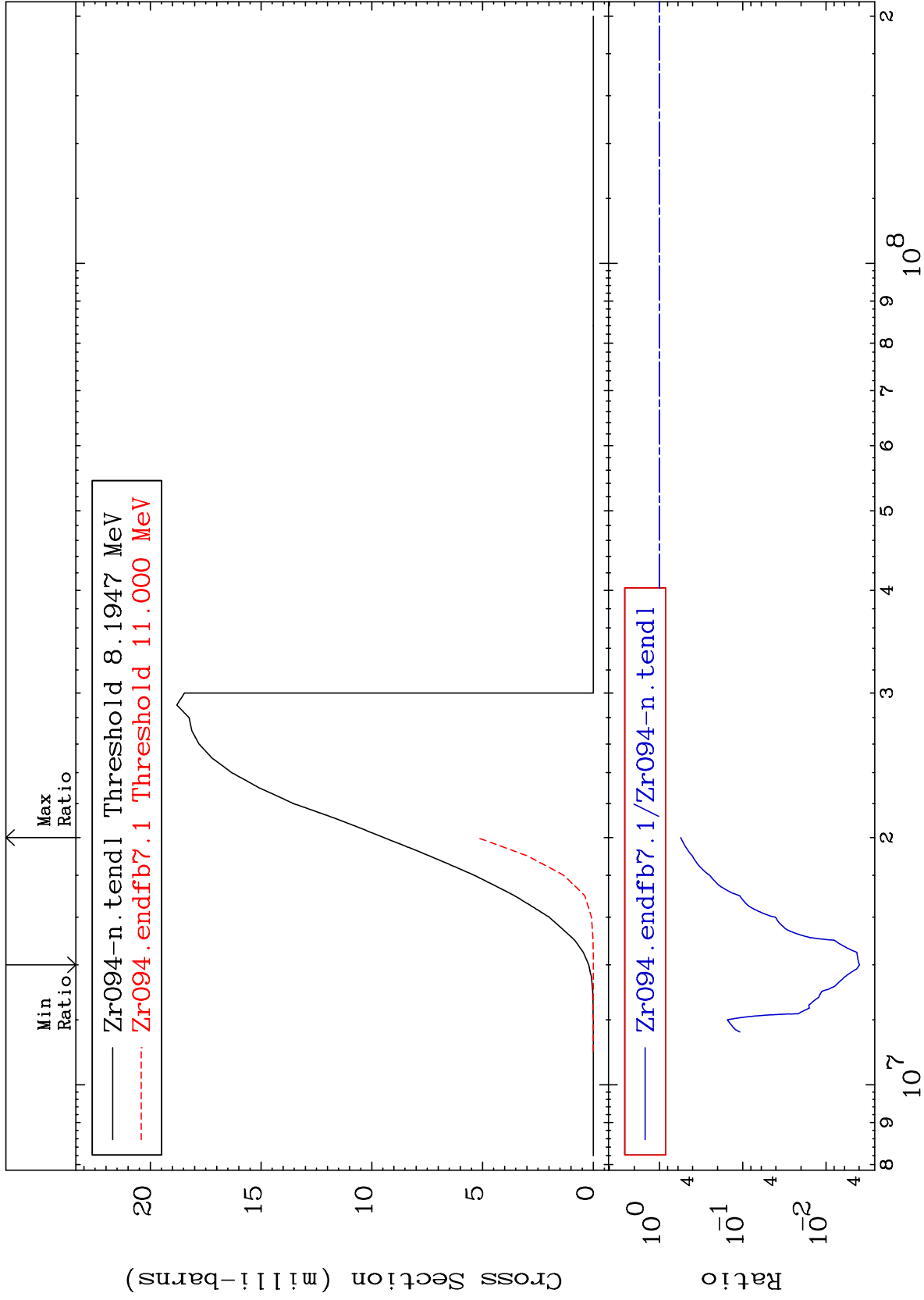
MAT 4037

(n, d)

40-Zr-94

Cross Section

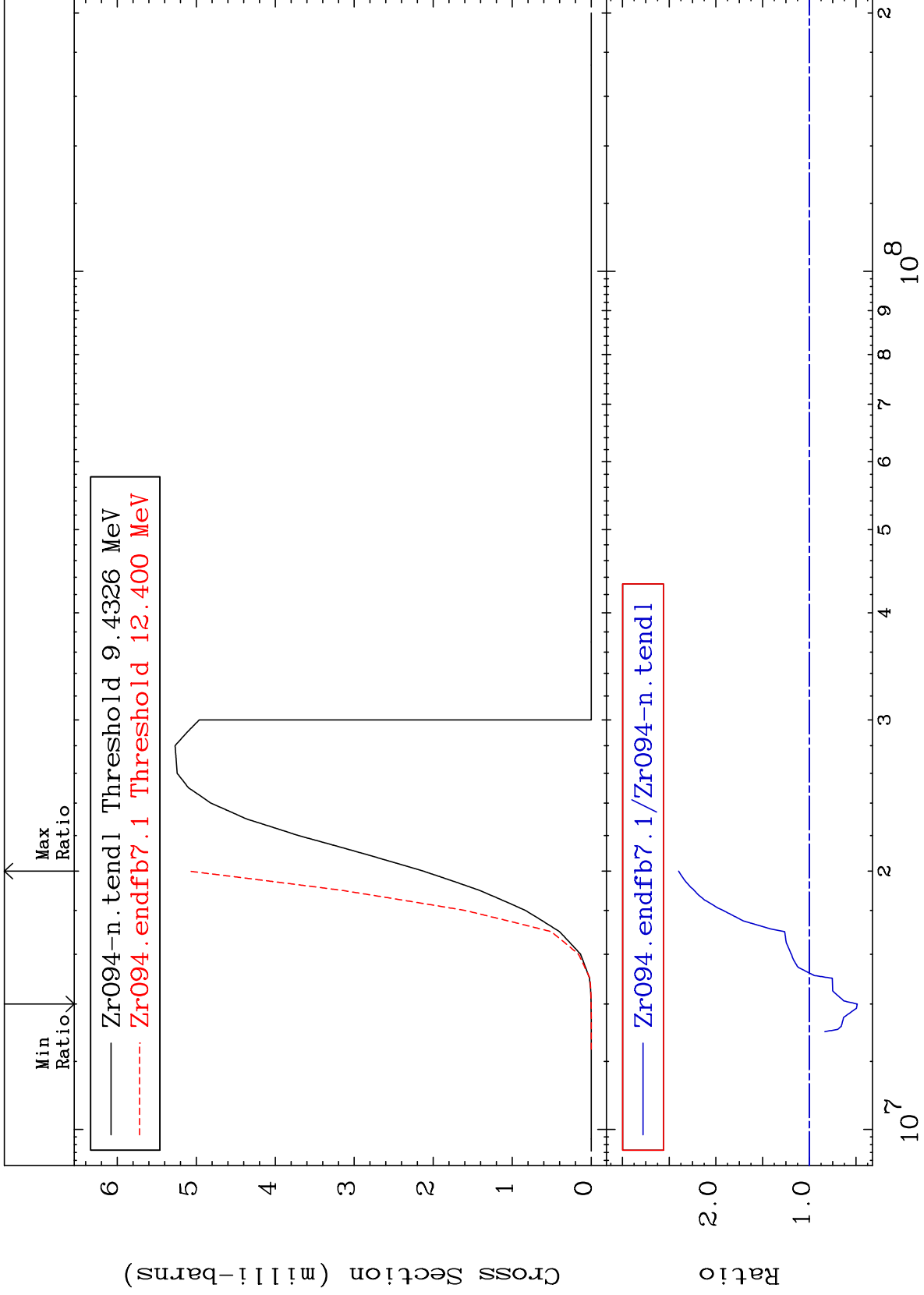
-99.60 To -44.55%



MAT 4037

(n, t)
Cross Section

40-Zr-94
-51.36 To 139.9 %



26

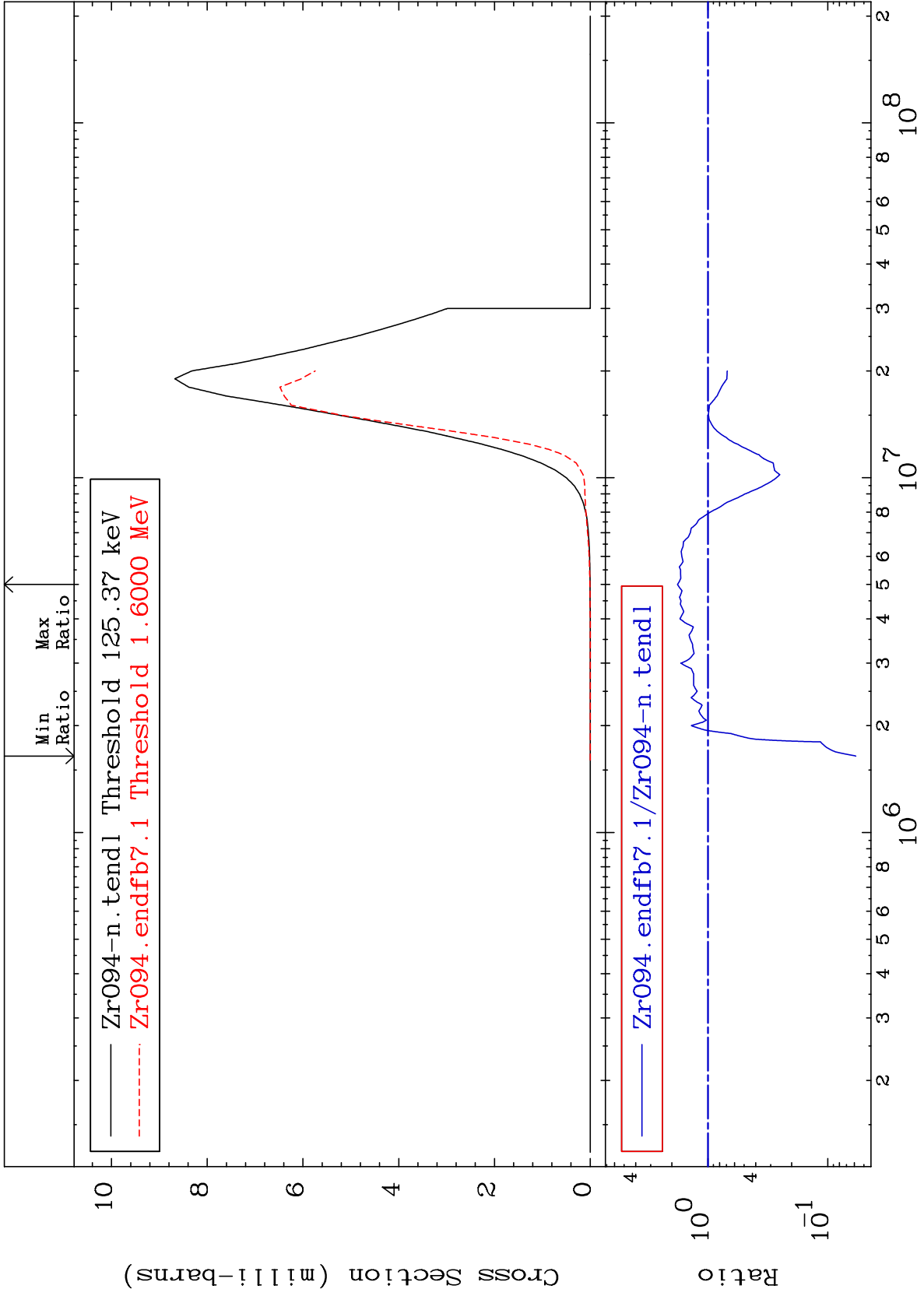
Incident Energy (eV)

40-Zr-94

MAT 4037

40-Zr-94
-94.15 To 79.34 %

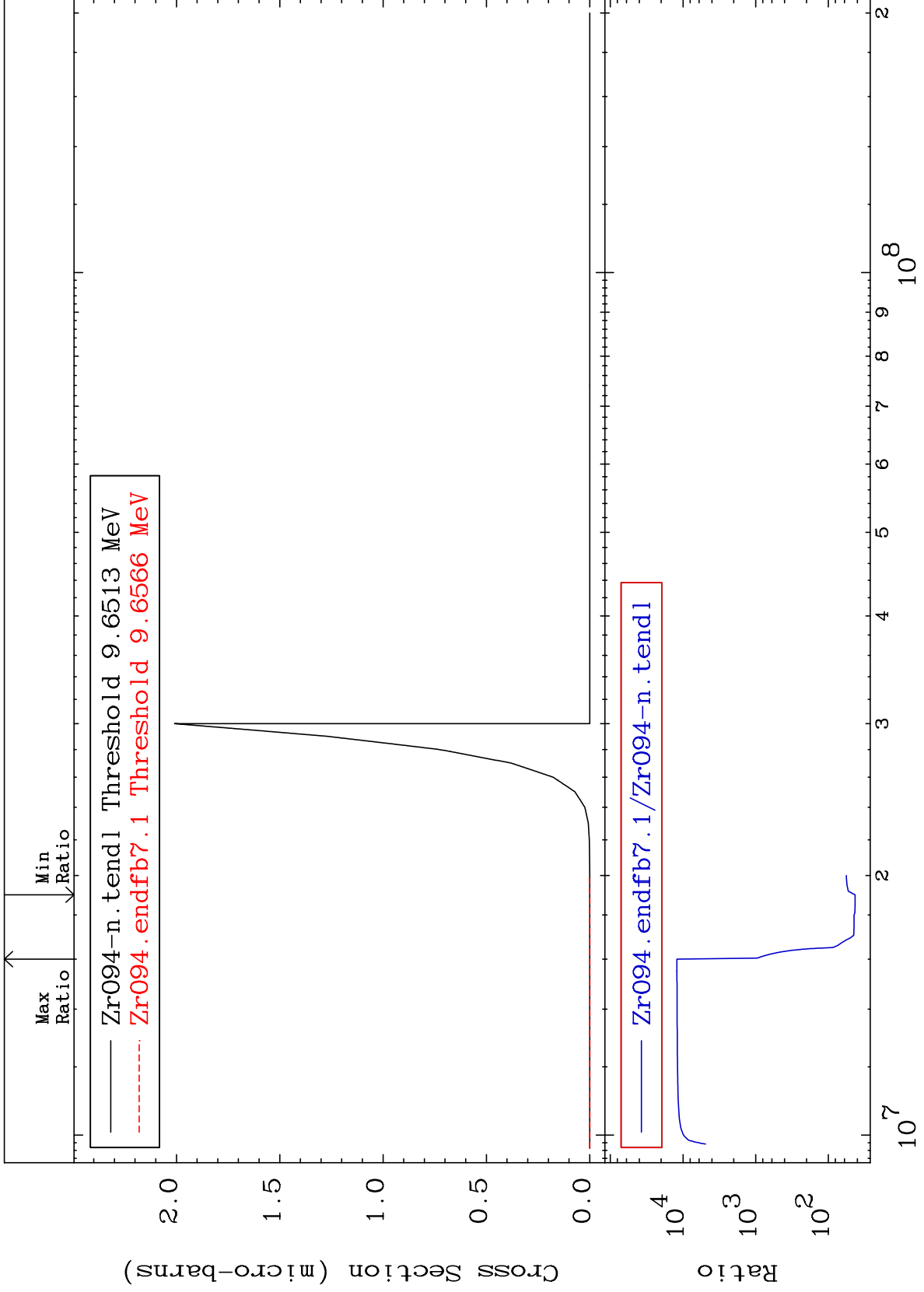
(n, α)
Cross Section



MAT 4037

(n, p) α
Cross Section

40-Zr-94
4187. To 9999. %



28

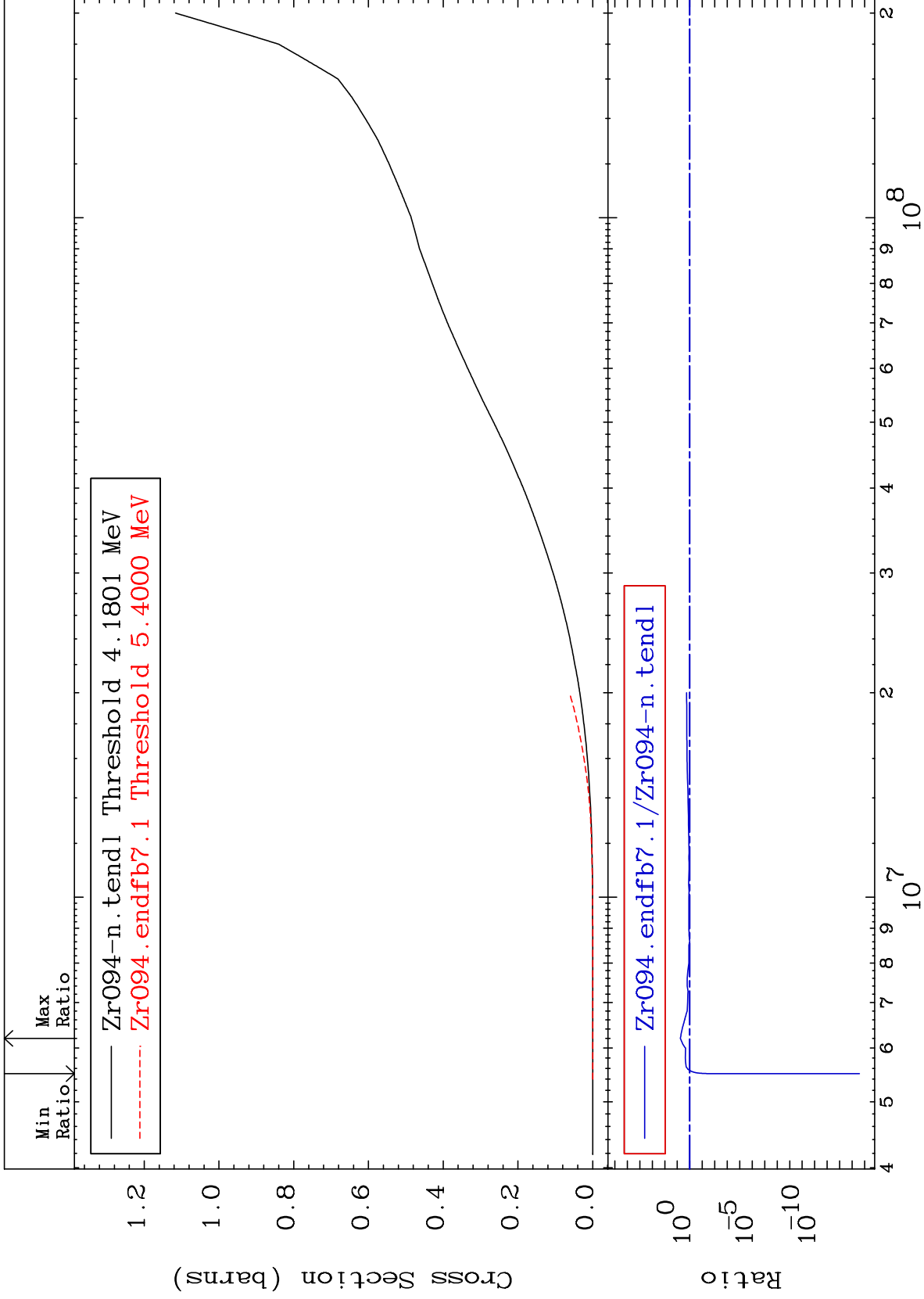
Incident Energy (eV)

40-Zr-94

MAT 4037

Hydrogen Production
Cross Section

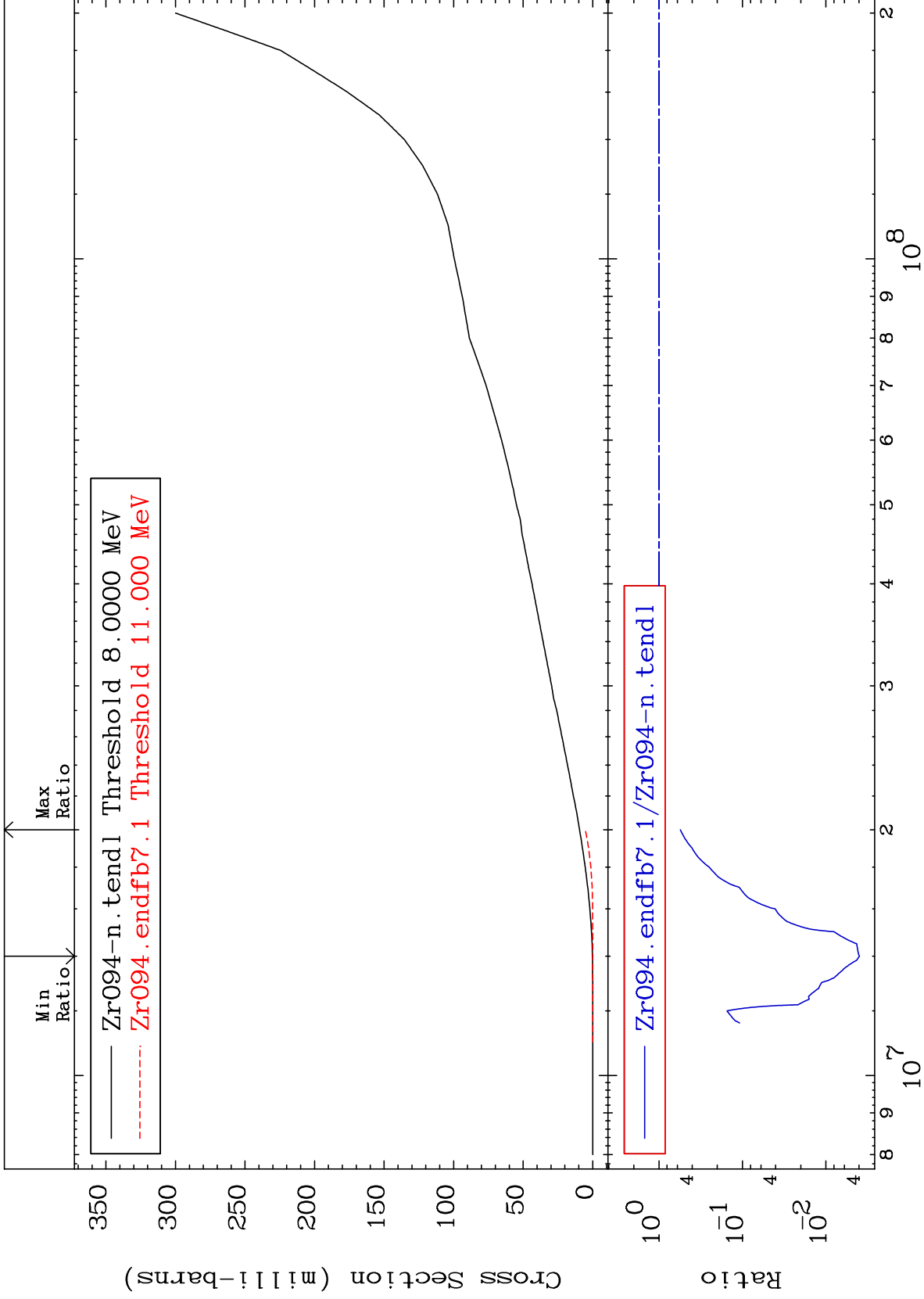
40-Zr-94
-100.0 To 467.0 %



MAT 4037

Deuterium Production
Cross Section

40-Zr-94
-99.60 To -44.59%



30

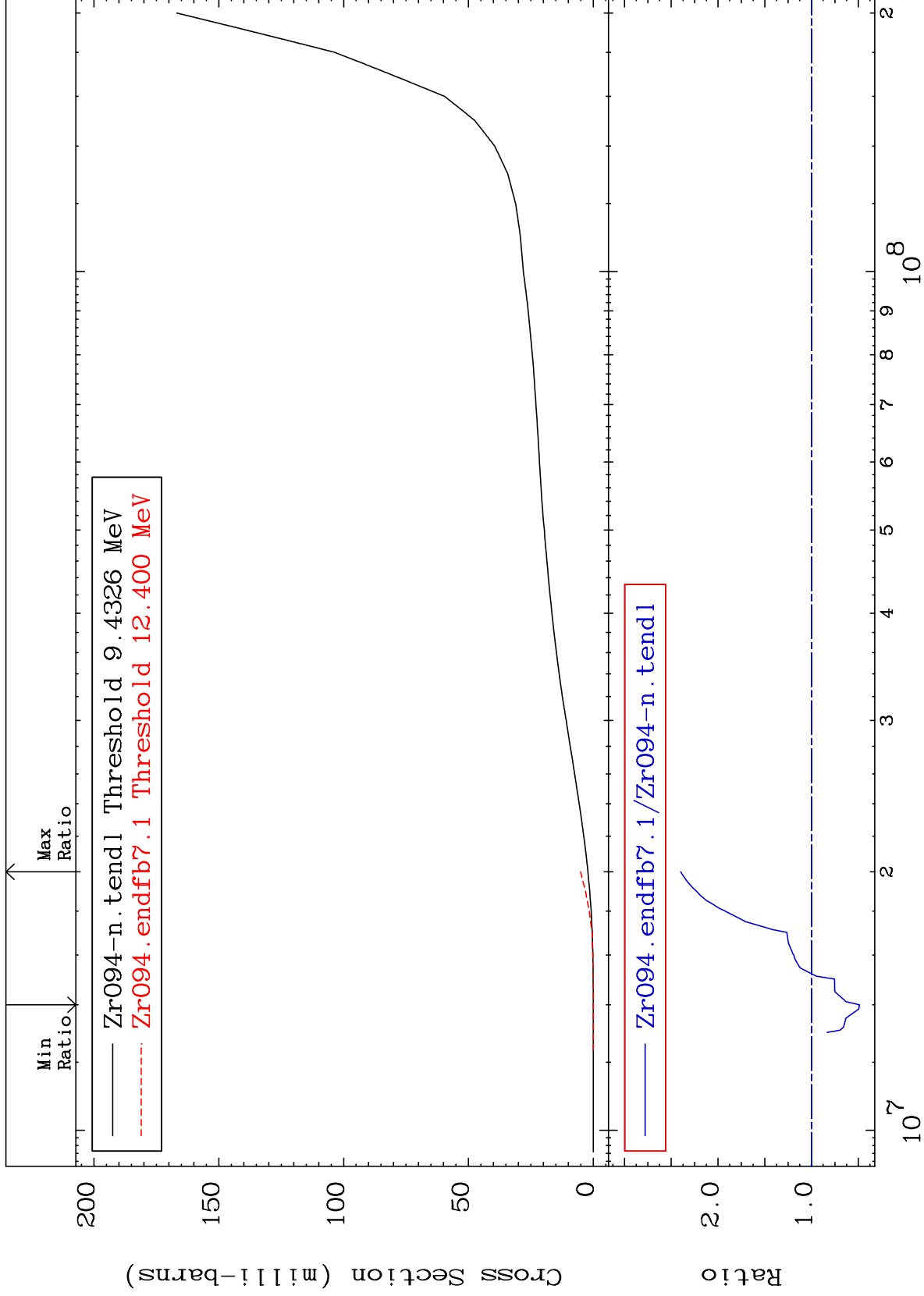
Incident Energy (eV)

40-Zr-94

MAT 4037

Tritium Production
Cross Section

40-Zr-94
-51.36 To 139.8 %



31

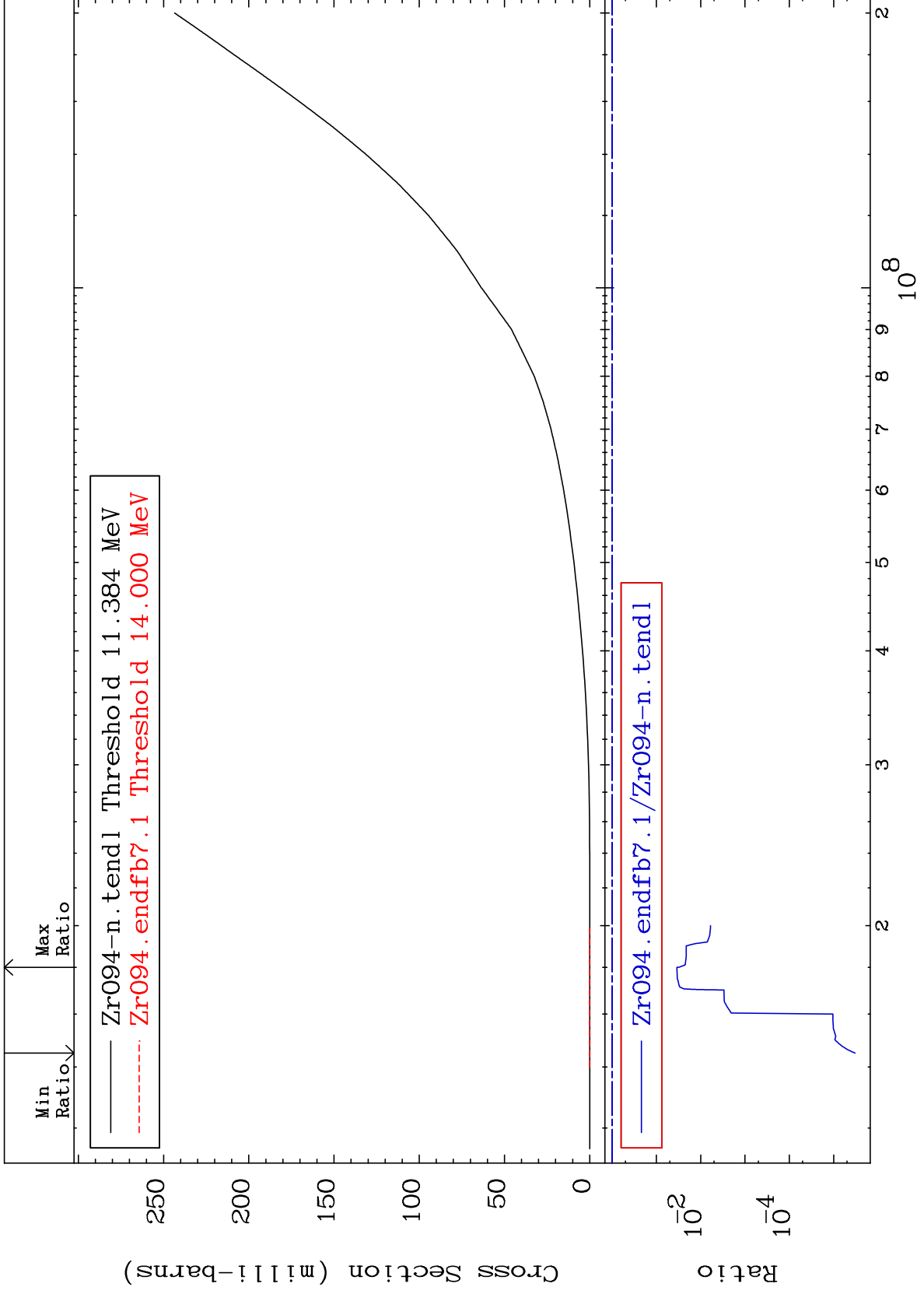
Incident Energy (eV)

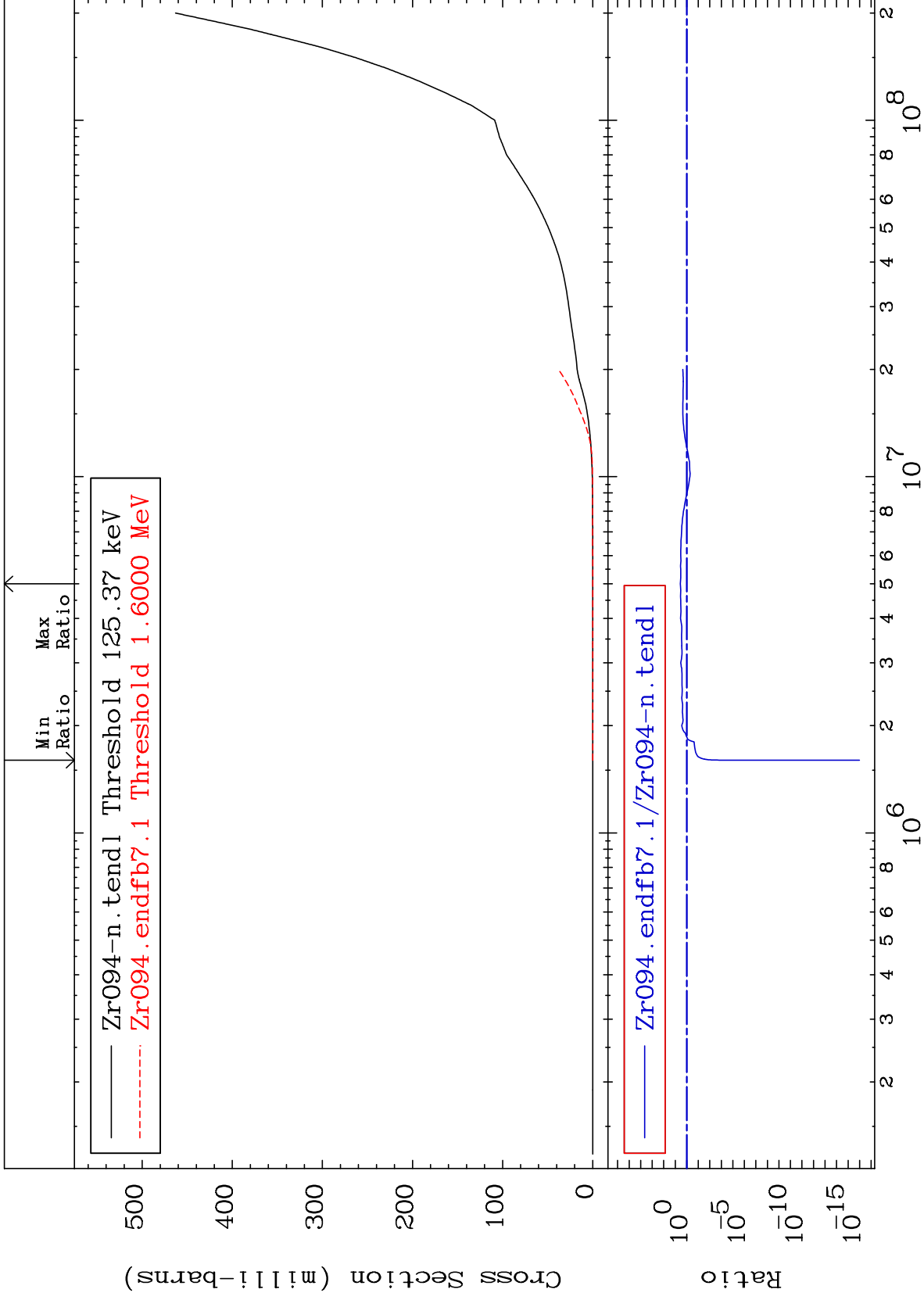
40-Zr-94

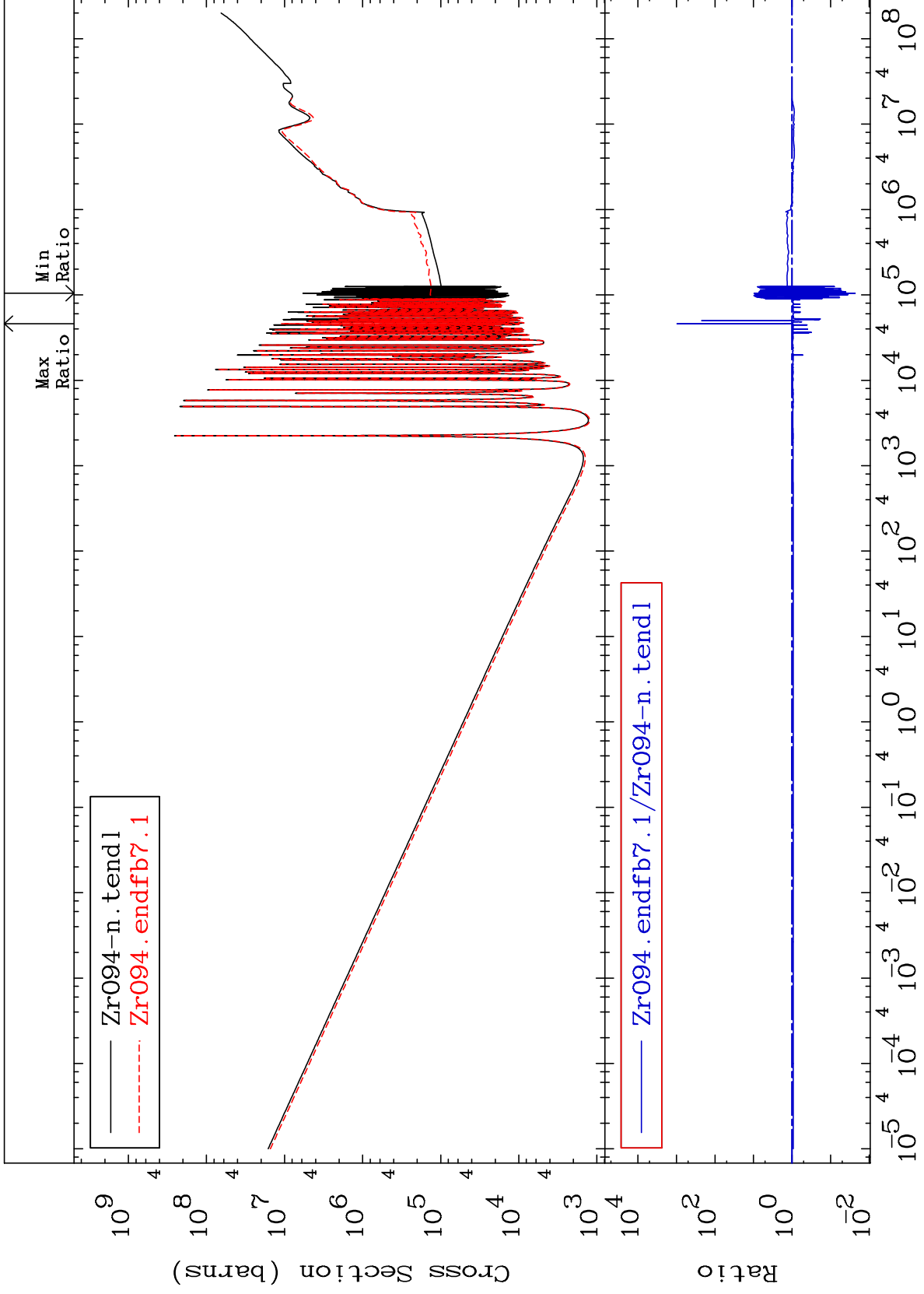
MAT 4037

He-3 Production
Cross Section

40-Zr-94
-100.0 To -96.56%



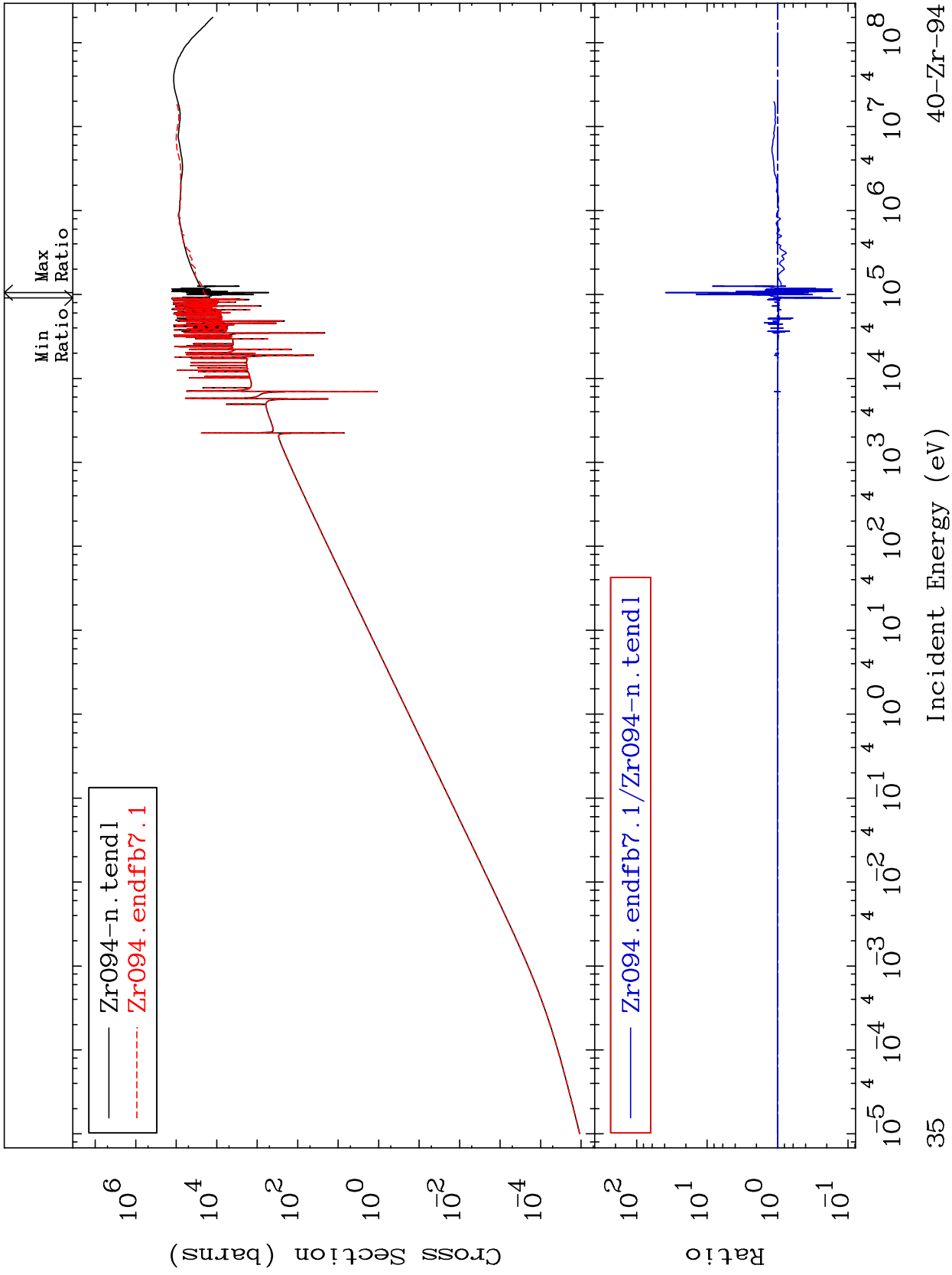


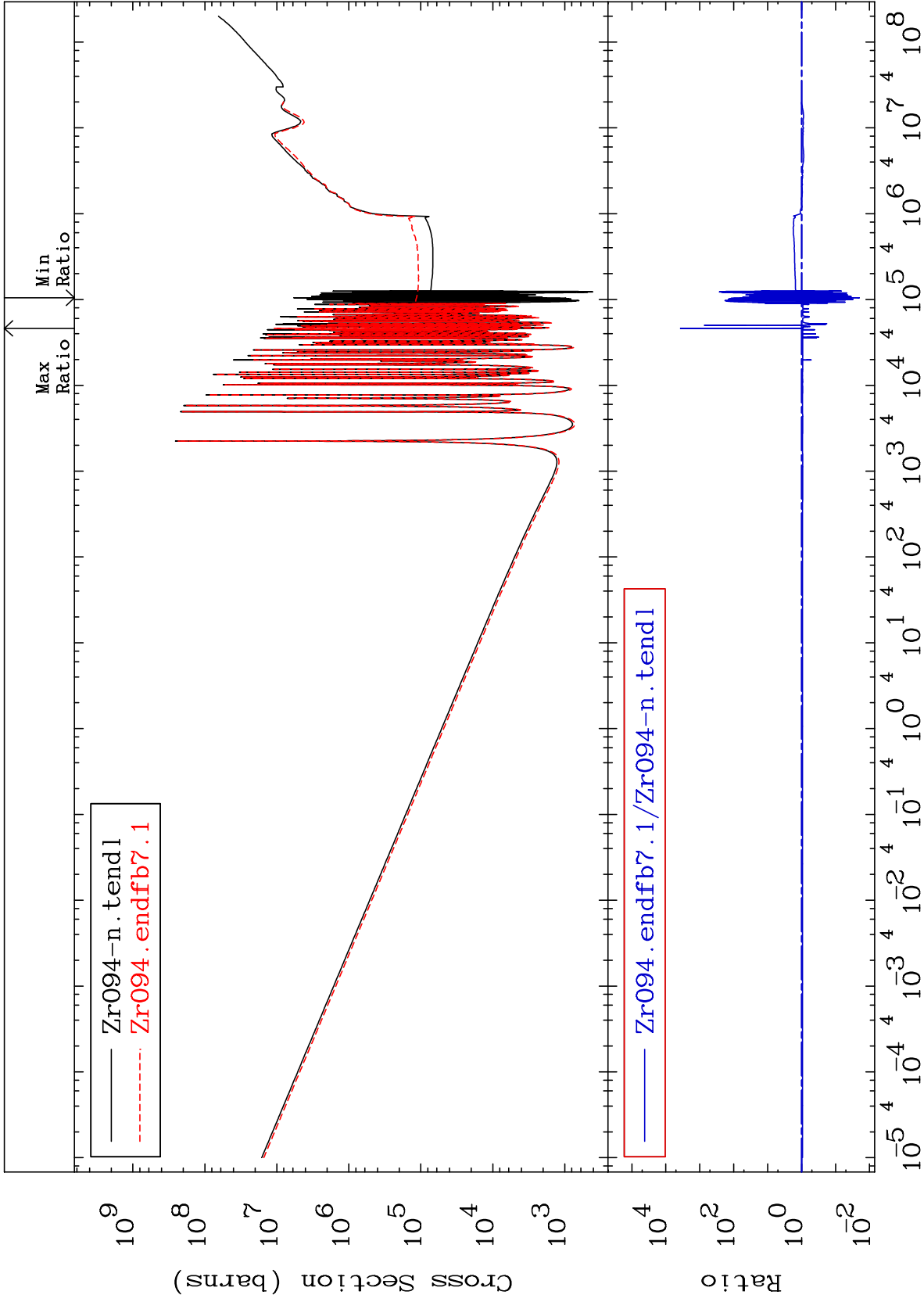


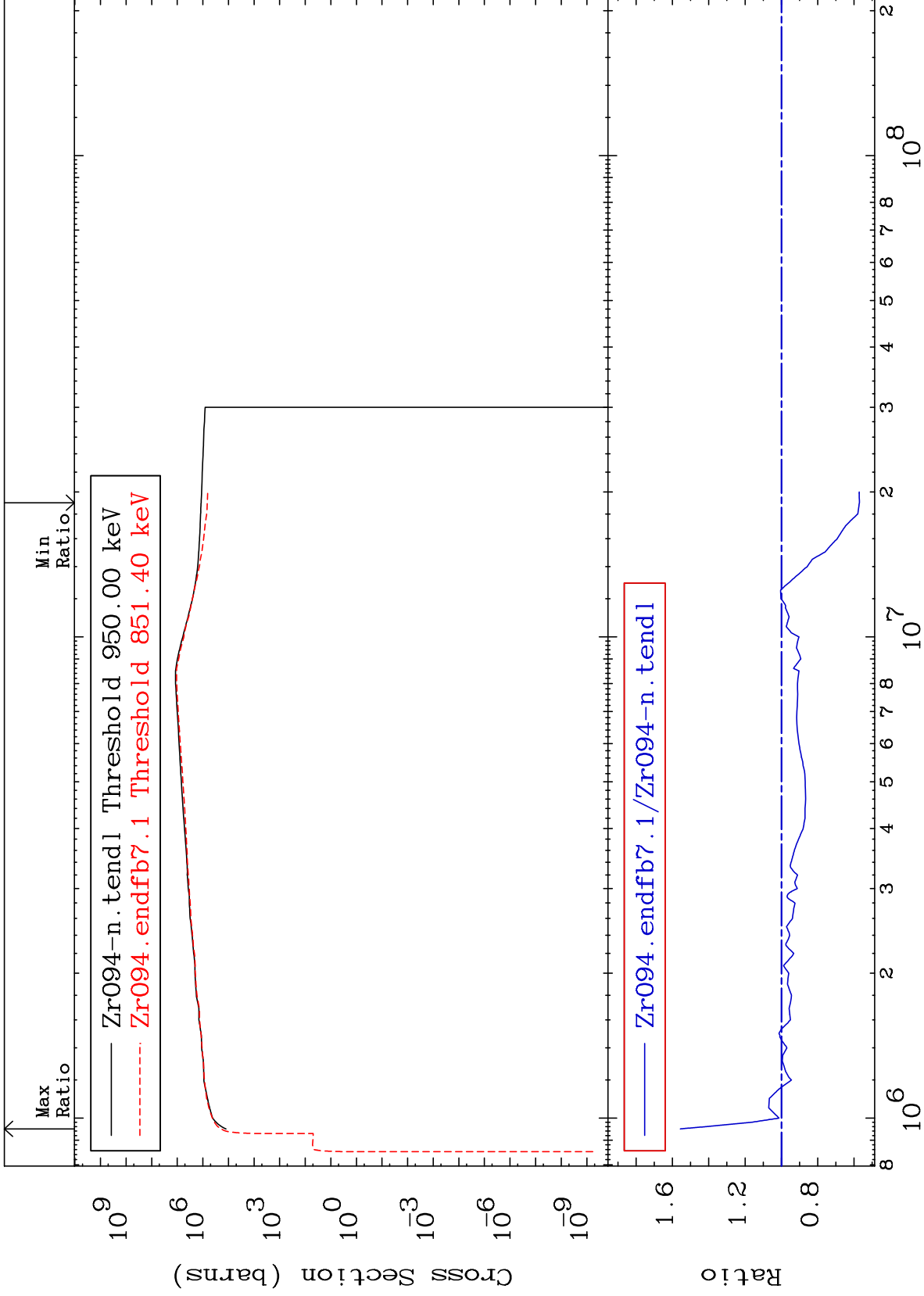
MAT 4037

Kerma elastic
Cross Section

40-Zr-94
-87.28 To 3793. %



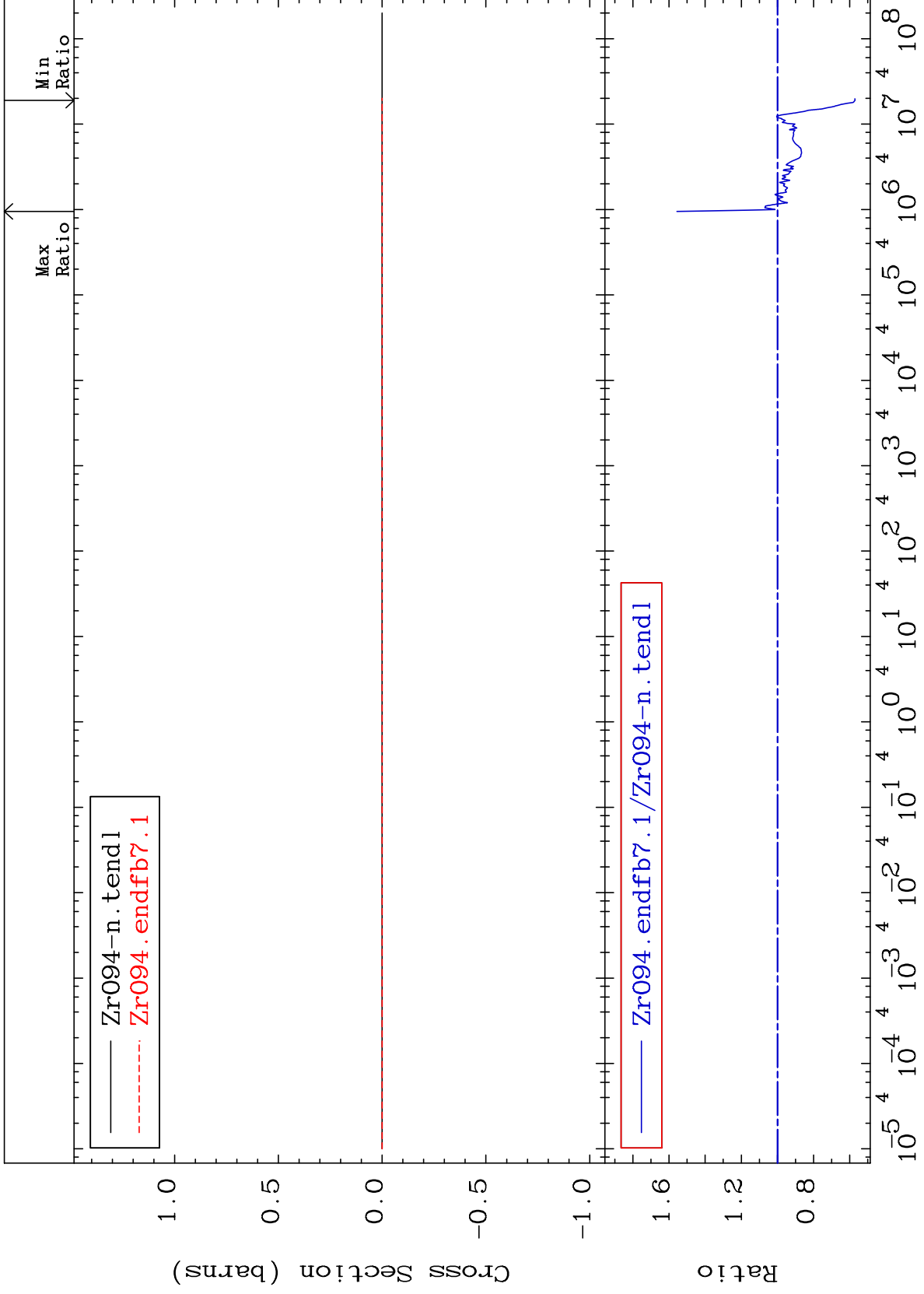




MAT 4037

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

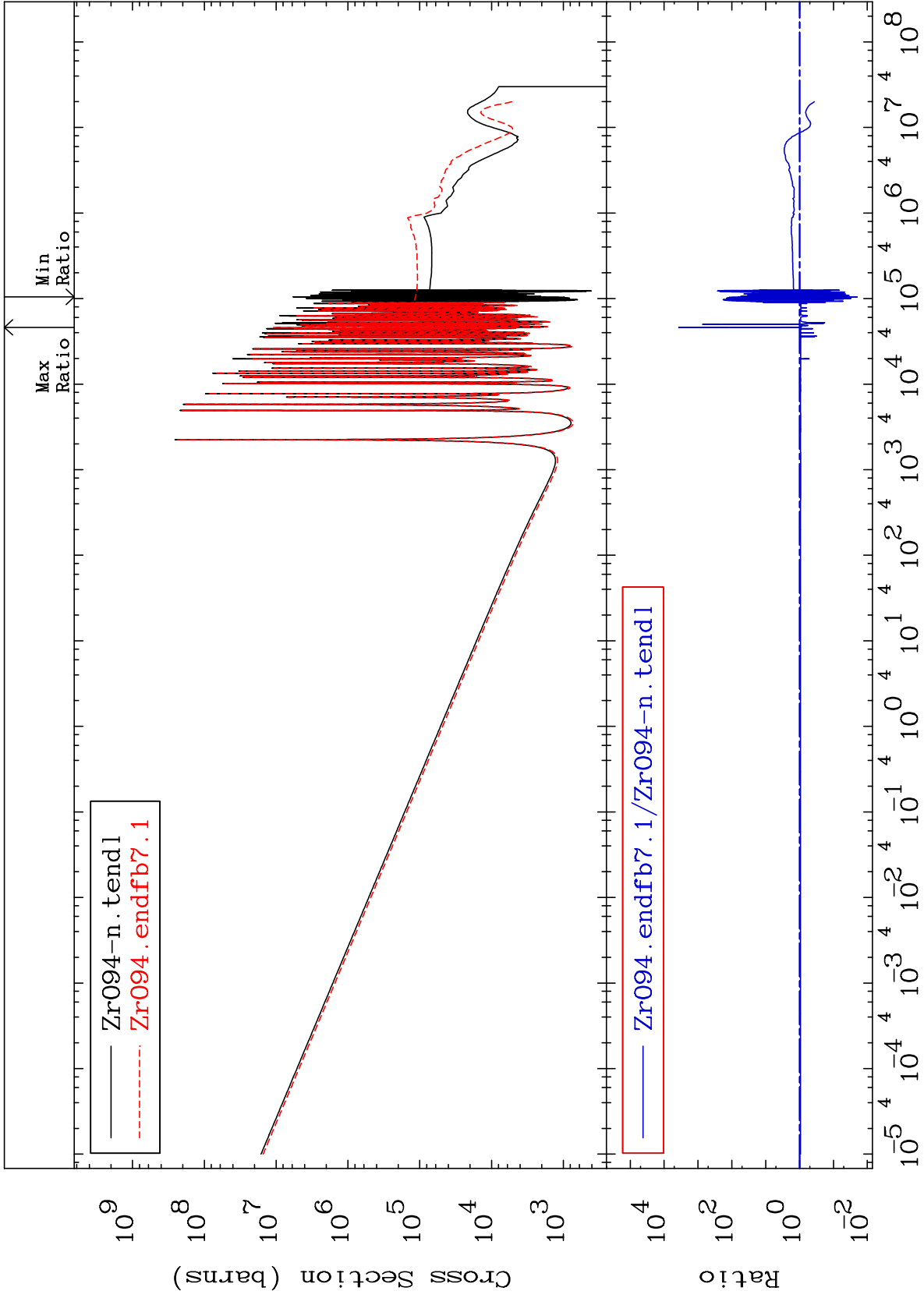
40-Zr-94
-42.99 To 55.64 %



MAT 4037

Kerma capture (mt102)
Cross Section

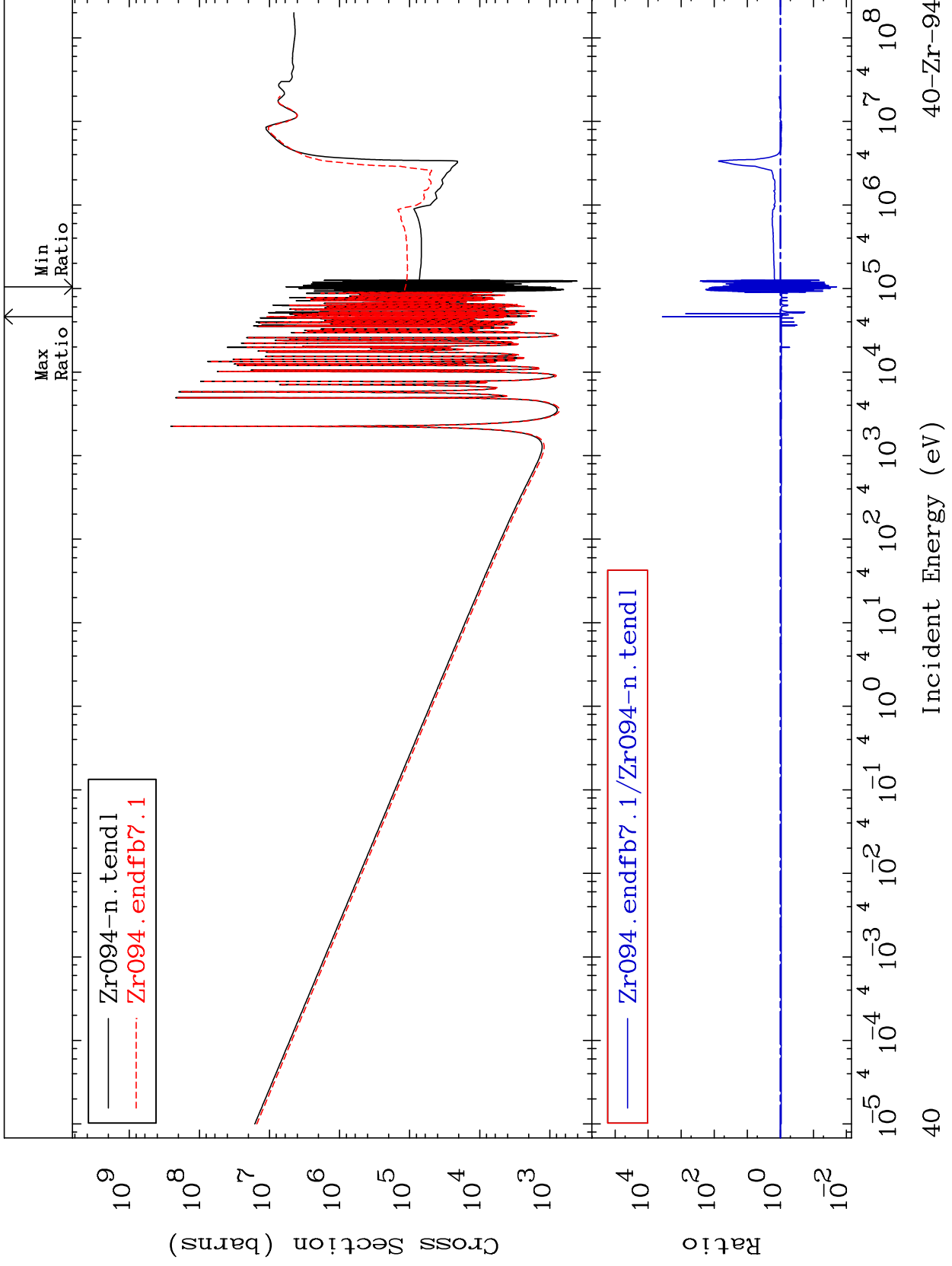
40-Zr-94
-98.02 To 9999. %



MAT 4037

Total photon (eV-barns)
Cross Section

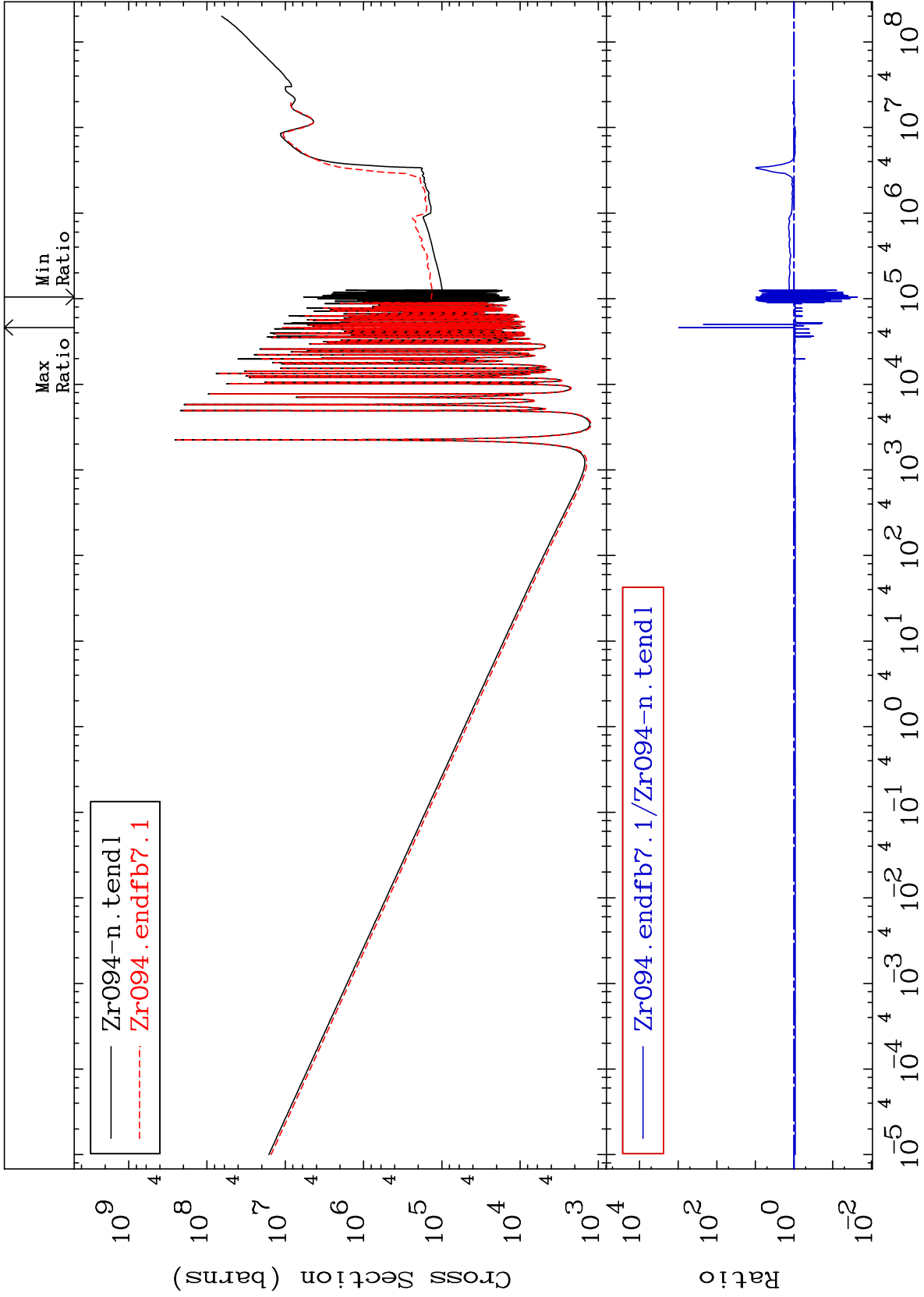
40-Zr-94
-98.02 To 9999. %



40

Incident Energy (eV)

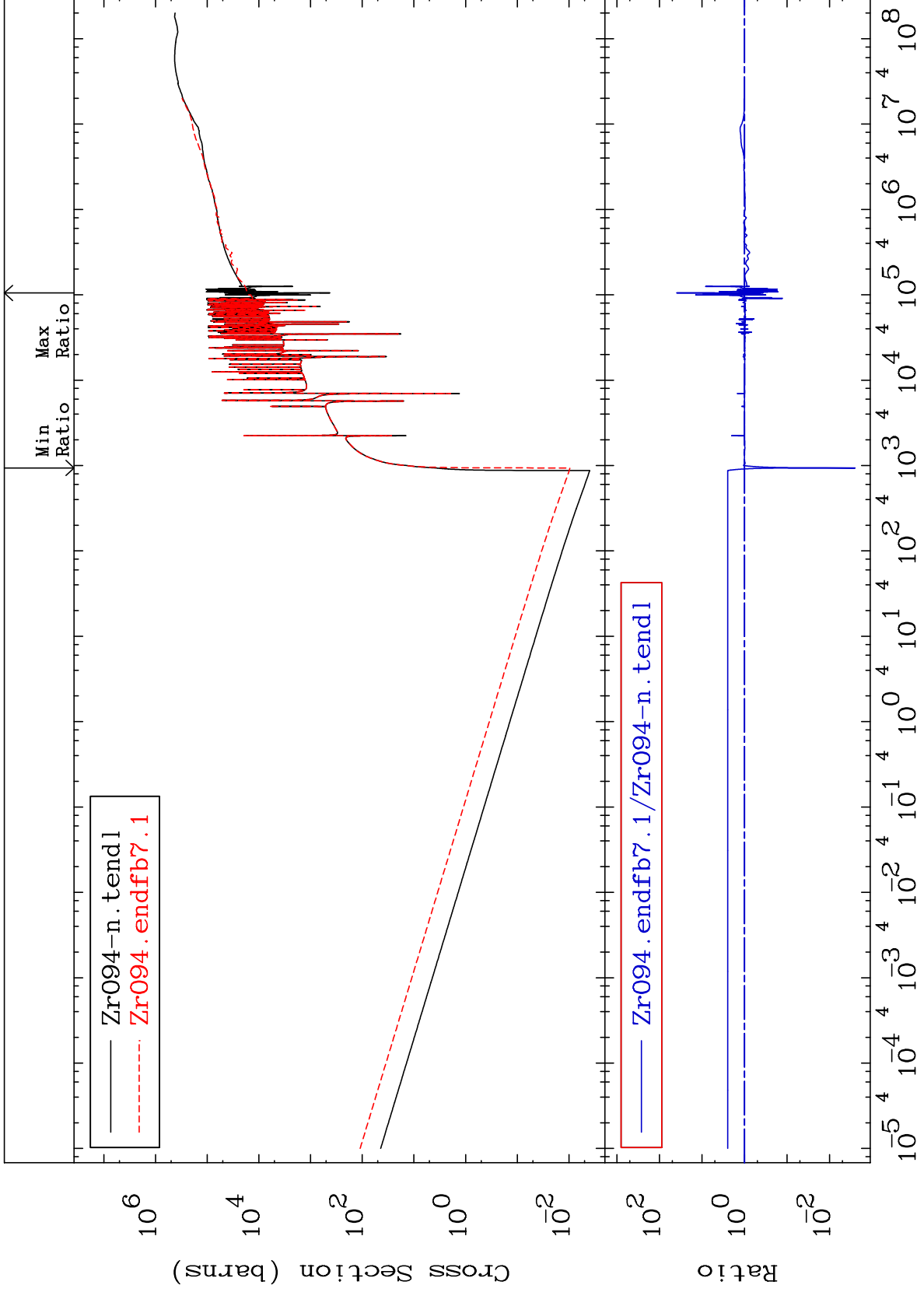
40-Zr-94



MAT 4037

Dpa total (eV-barns)
Cross Section

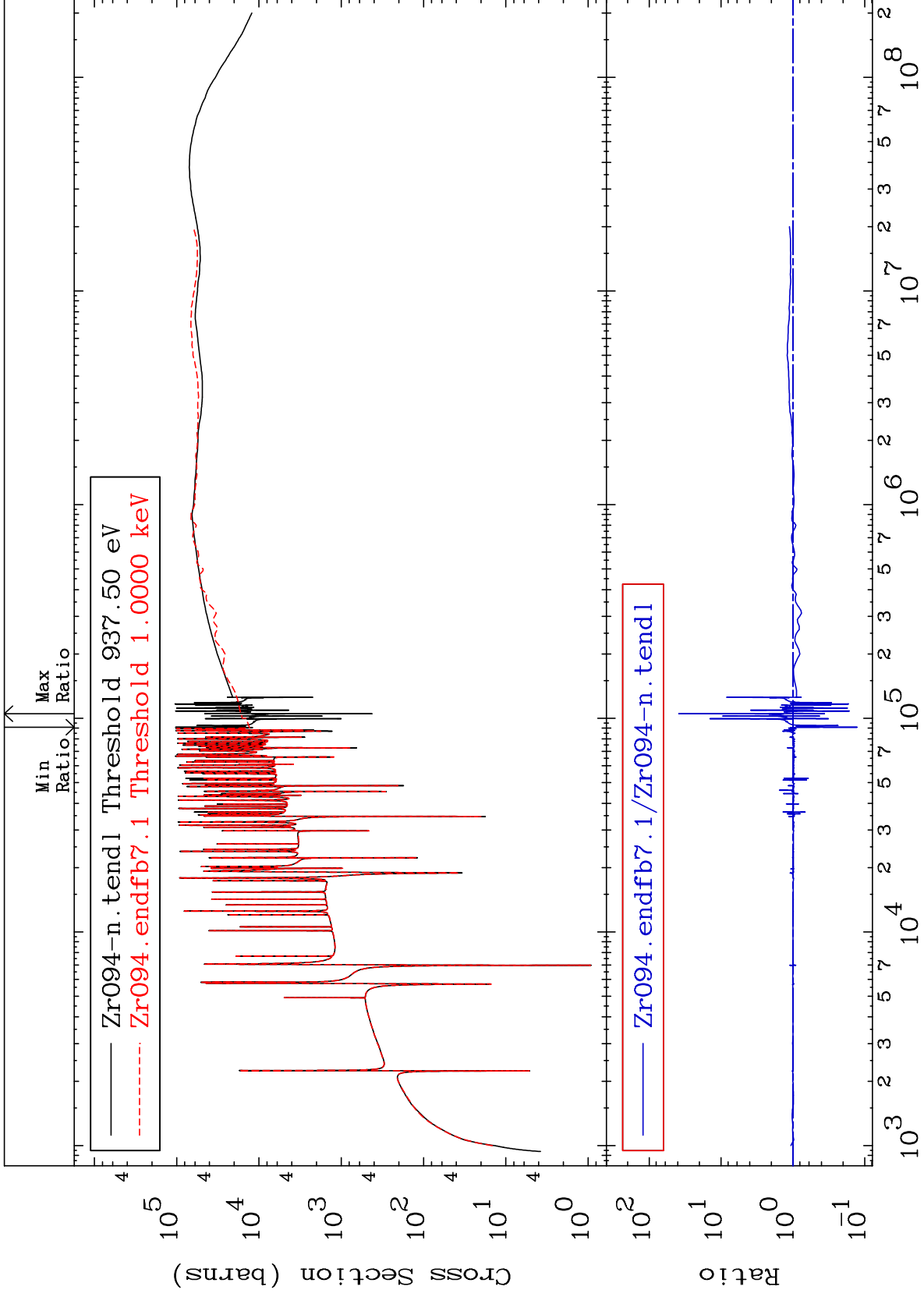
40-Zr-94
-99.75 To 3797. %



MAT 4037

Dpa elastic (mt2)
Cross Section

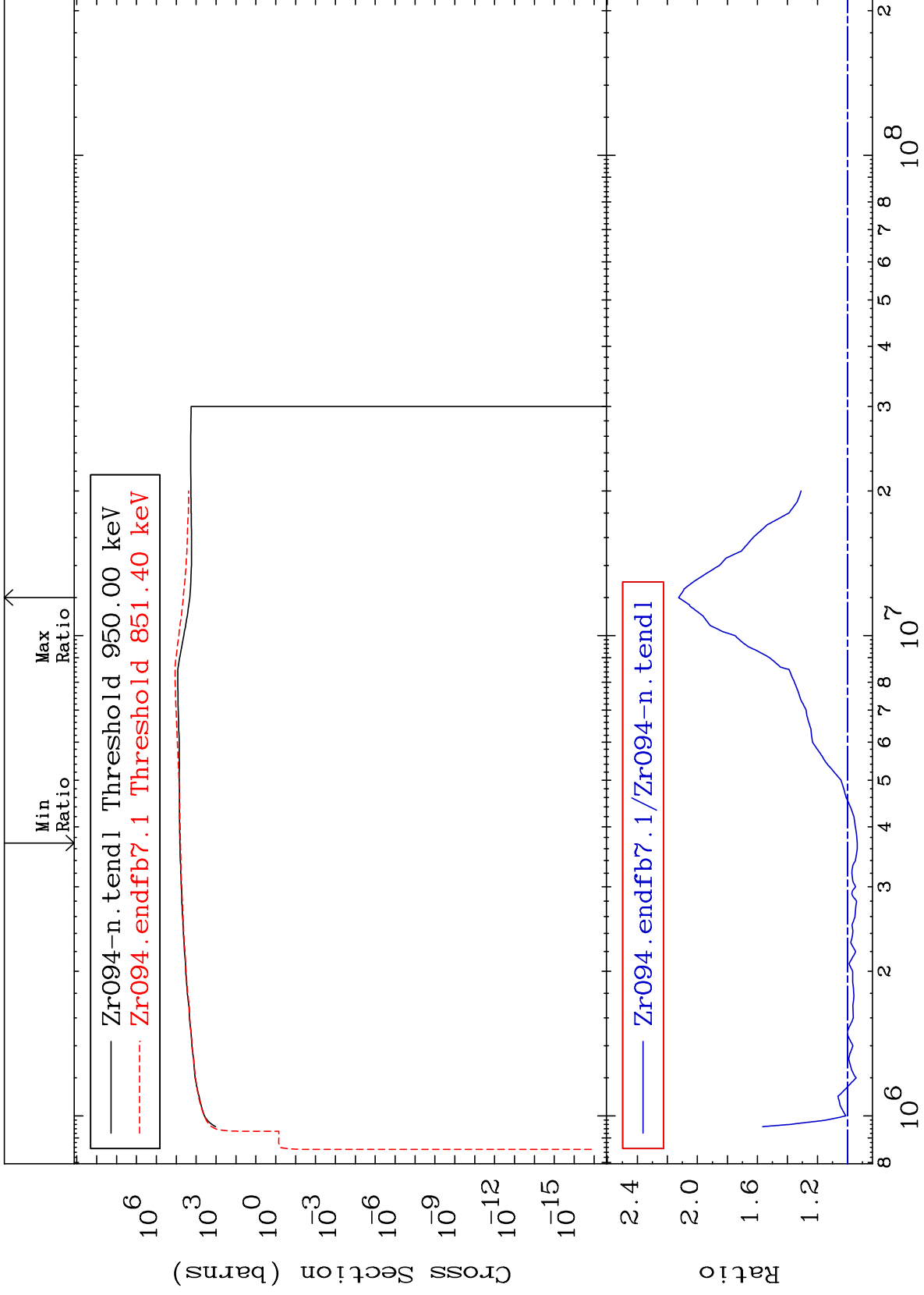
40-Zr-94
-87.26 To 3798. %



43

Incident Energy (eV)

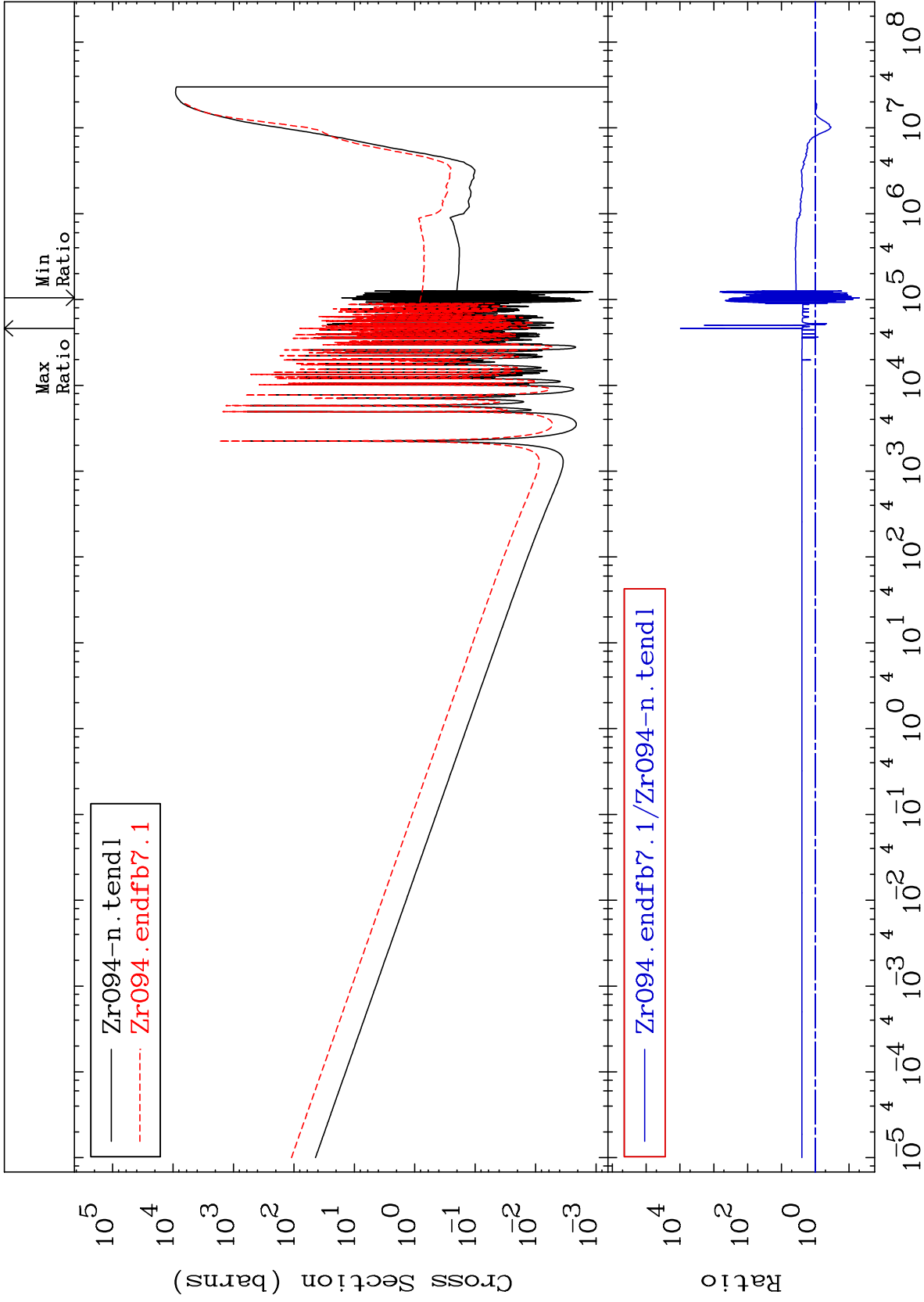
40-Zr-94



MAT 4037

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-94
-95.06 To 9999. %



45

Incident Energy (eV)

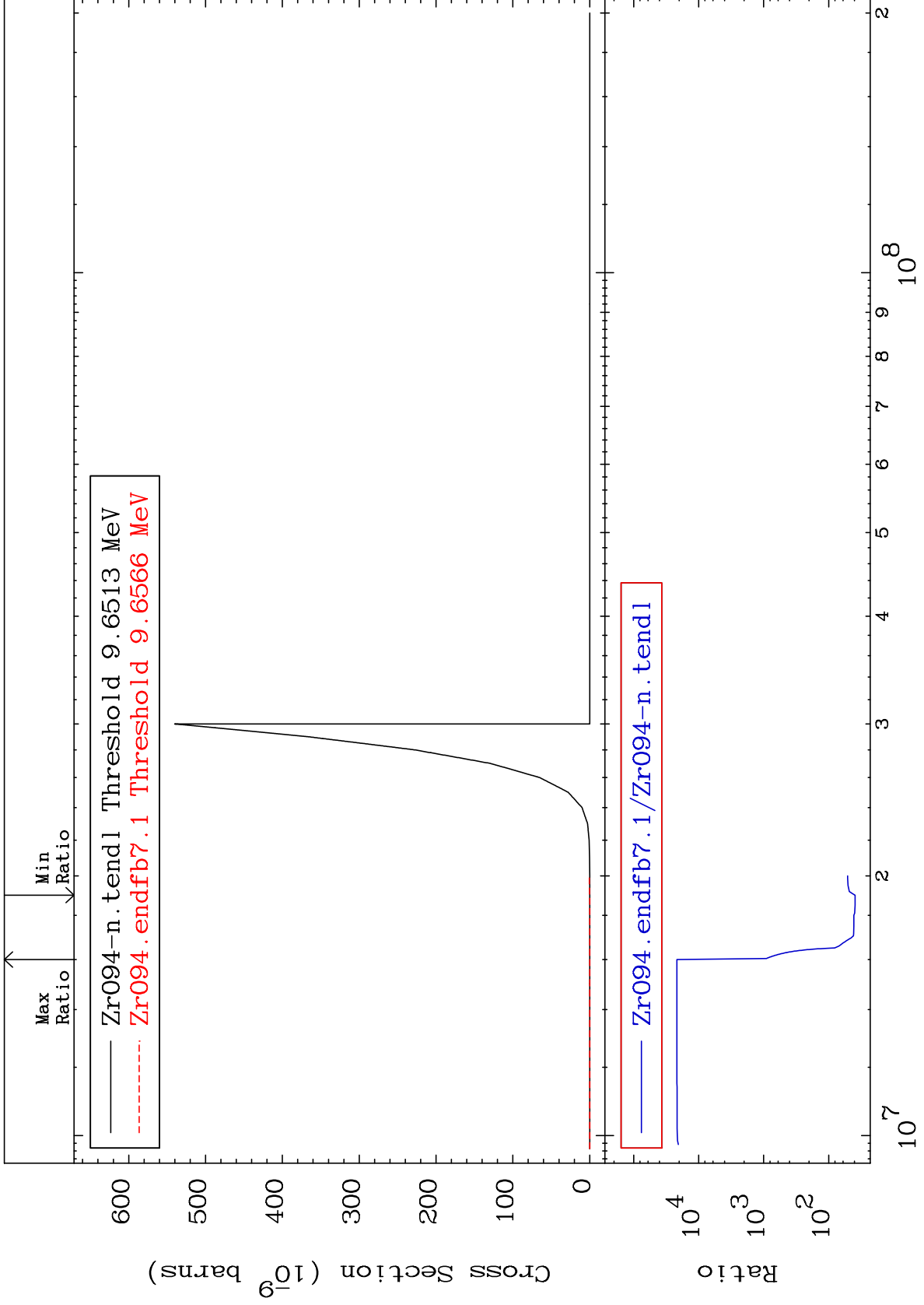
40-Zr-94

MAT 4037

(n, p) α : 37-Rb-90g

40-Zr-94

Radionuclide Production Cross Section 3822. To 9999. %



46

Incident Energy (eV)

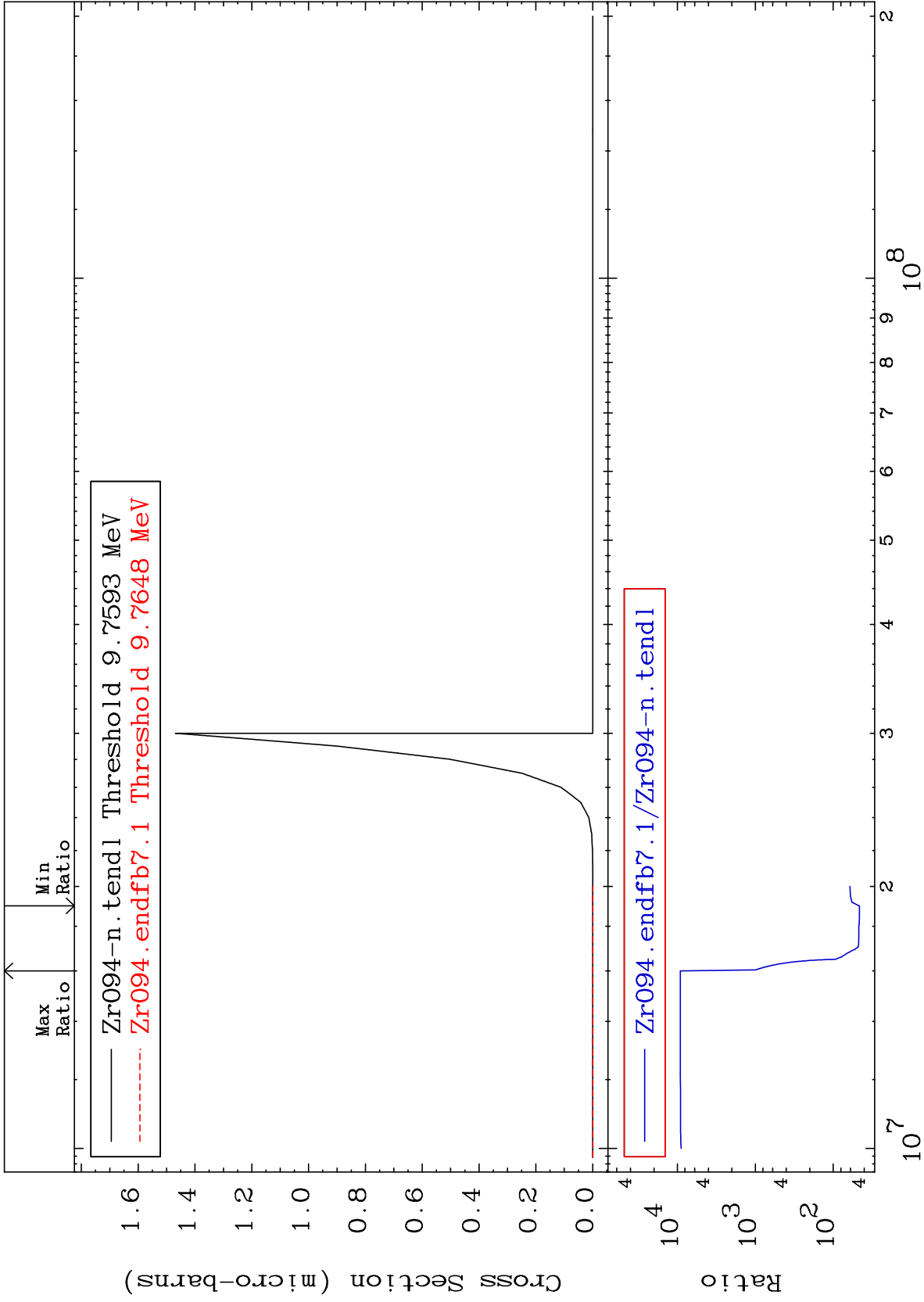
40-Zr-94

MAT 4037

(n, p) α : 37-Rb-90m1

40-Zr-94

Radionuclide Production Cross Section 4512. To 9999. %



Incident Energy (eV)

40-Zr-94

47