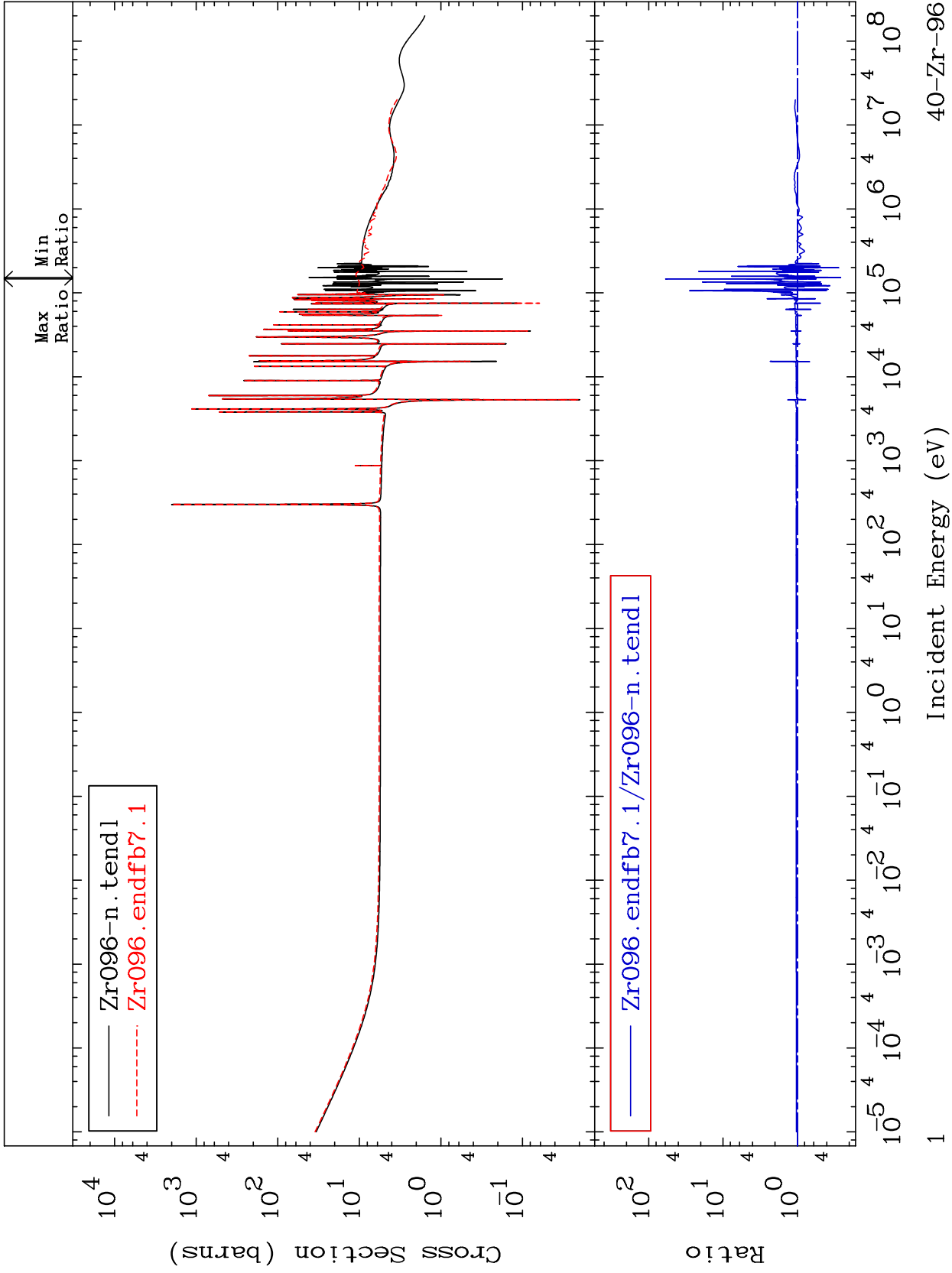


MAT 4043

Total
Cross Section

40-Zr-96
-73.92 To 5860. %



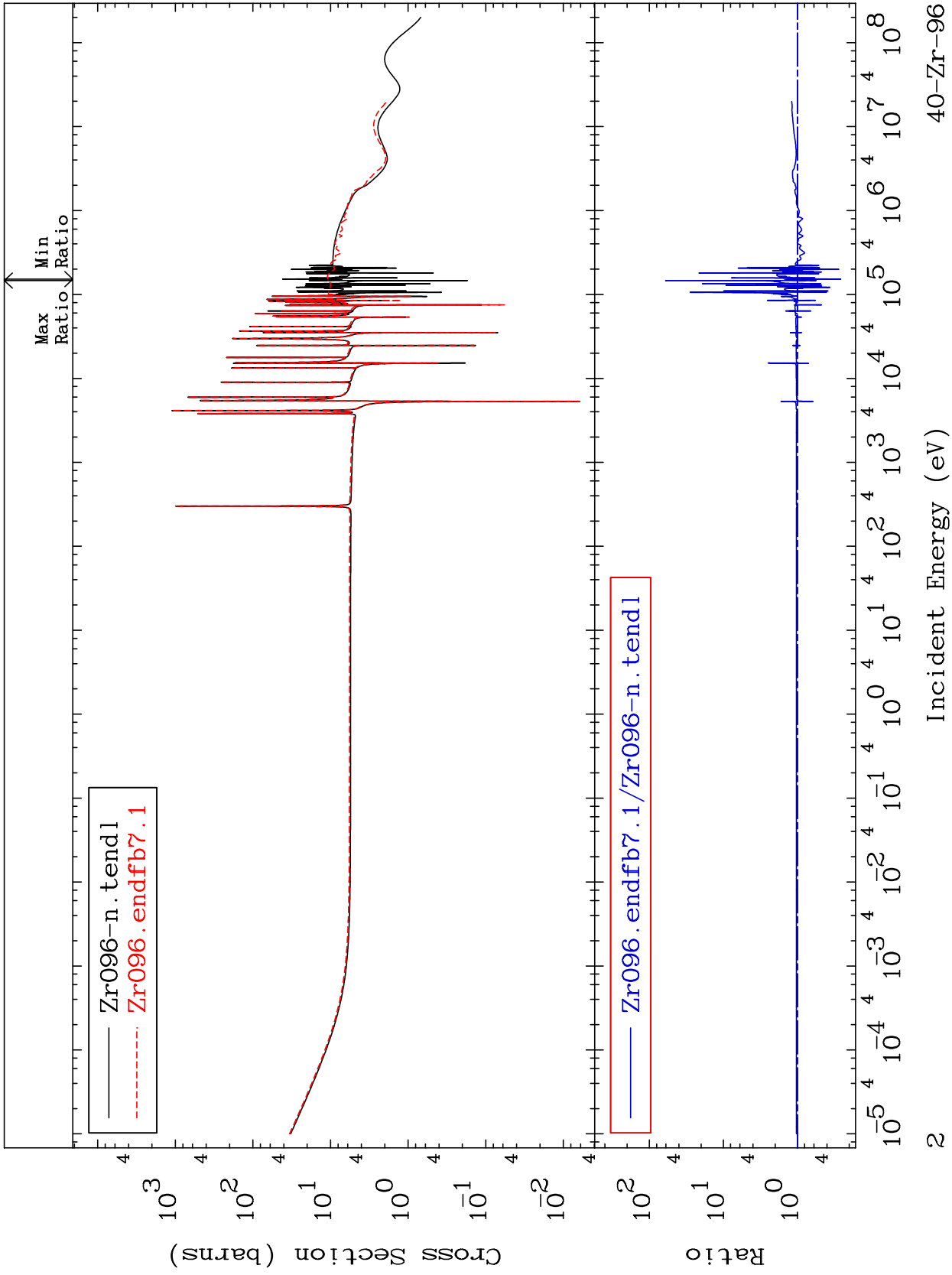
40-Zr-96

Incident Energy (eV)

MAT 4043

Elastic
Cross Section

40-Zr-96
-73.93 To 5962. %



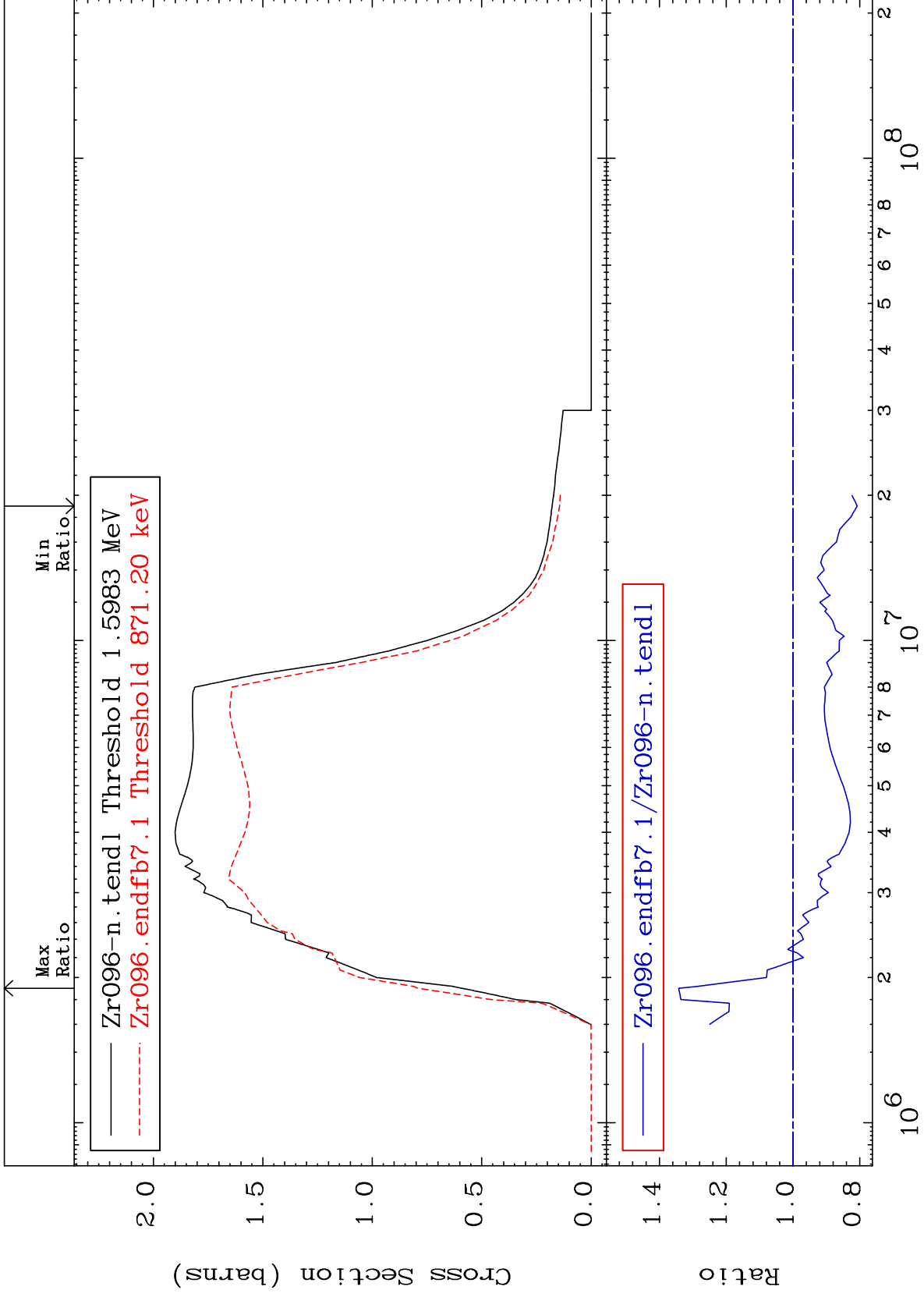
Incident Energy (eV)

40-Zr-96

MAT 4043

Inelastic
Cross Section

40-Zr-96
-19.23 To 34.25 %



3

Incident Energy (eV)

40-Zr-96

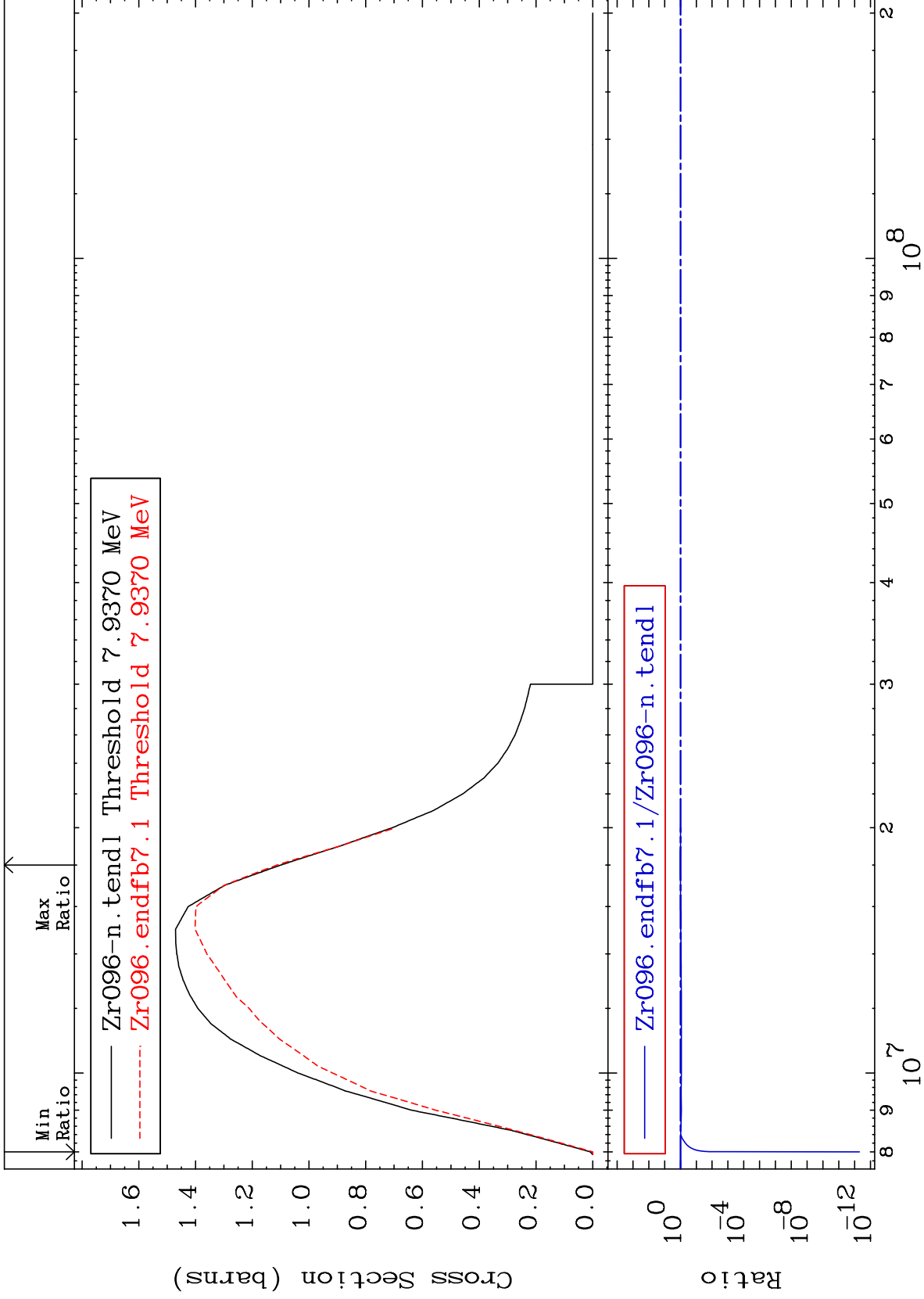
MAT 4043

(n,2n)

40-Zr-96

Cross Section

-100.0 To 1.290 %



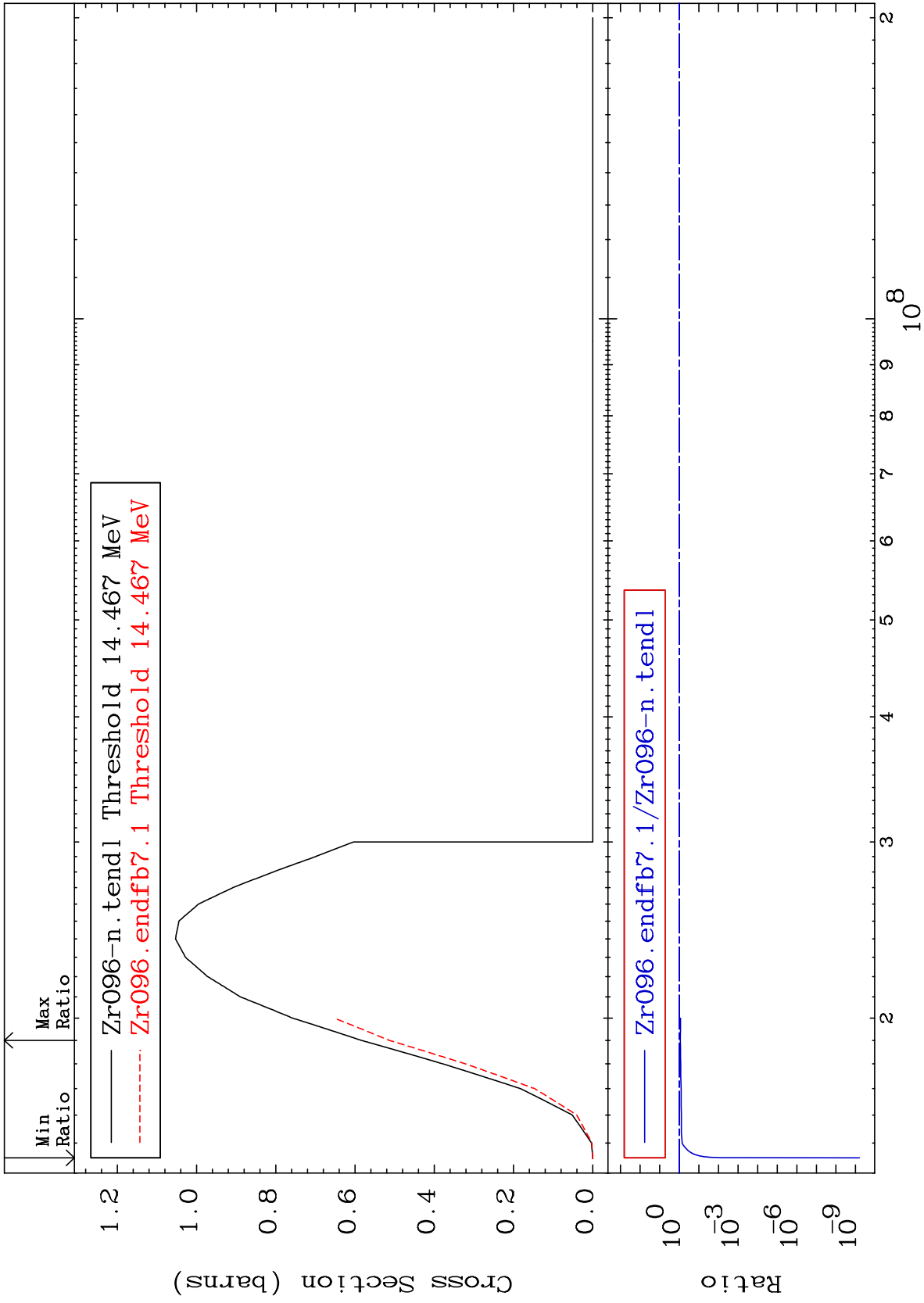
MAT 4043

(n,3n)

40-Zr-96

Cross Section

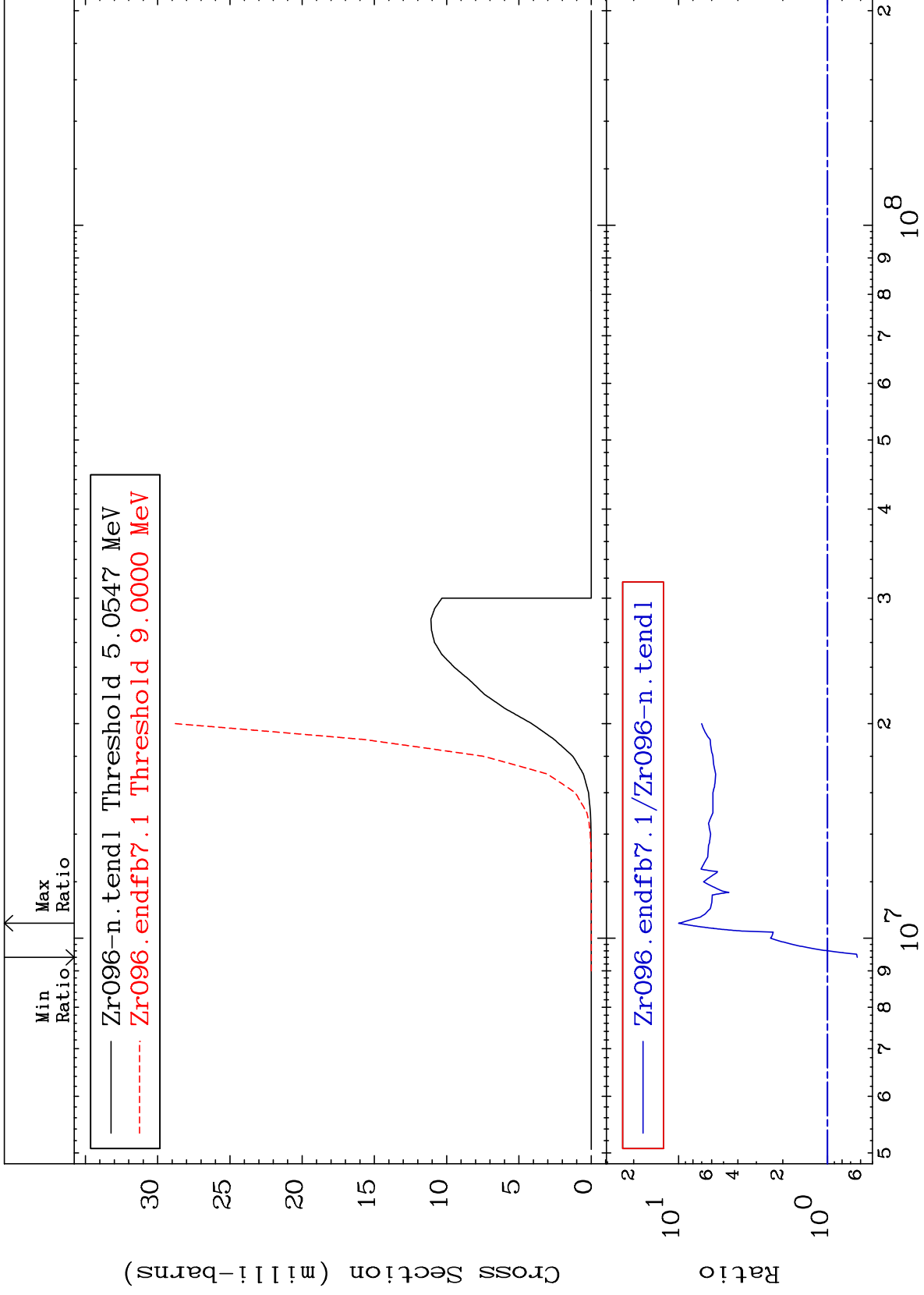
-100.0 To -12.04%



MAT 4043

(n, n') α
Cross Section

40-Zr-96
-36.84 To 899.1 %



6

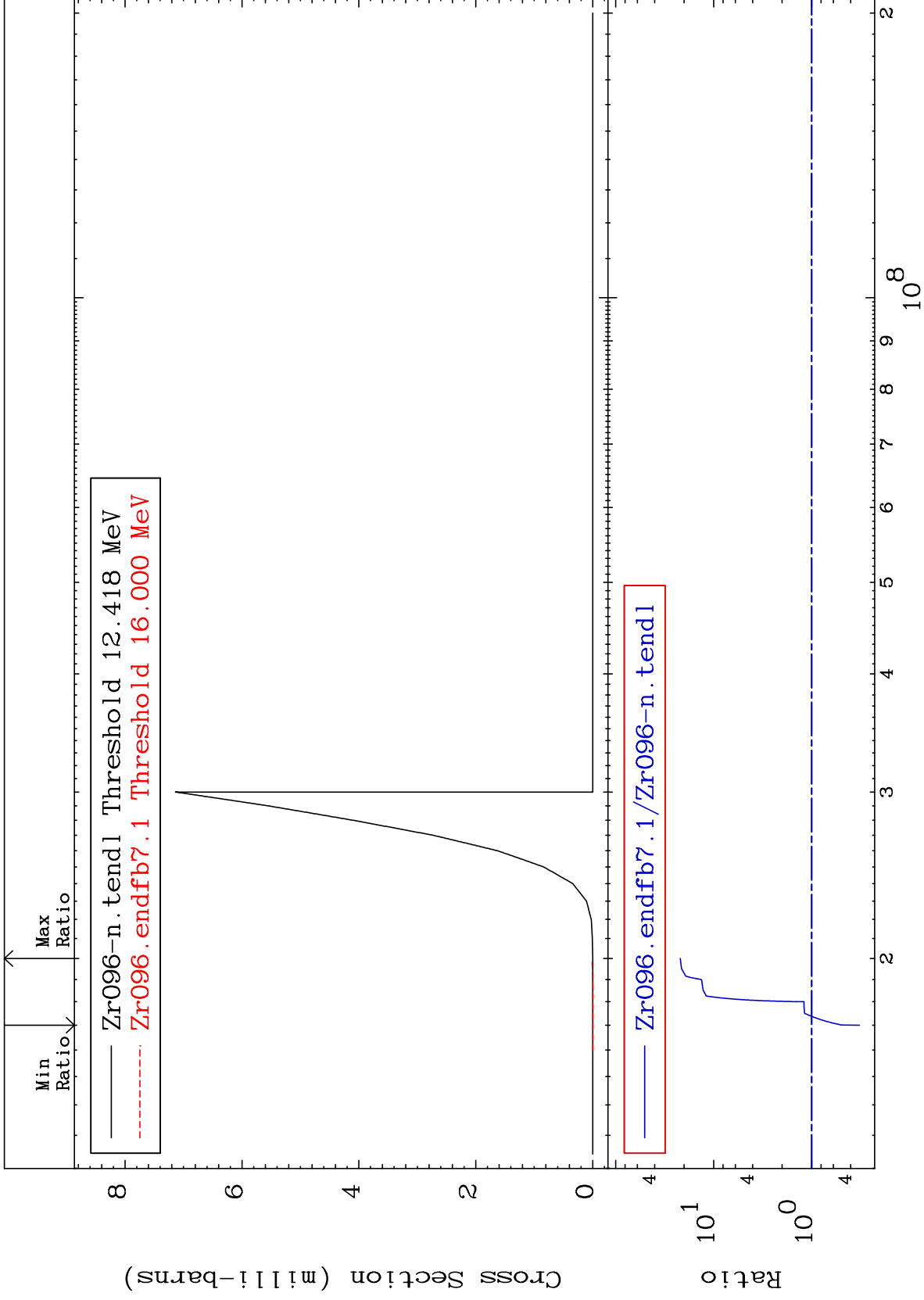
40-Zr-96

40-Zr-96

MAT 4043

(n,2n) α
Cross Section

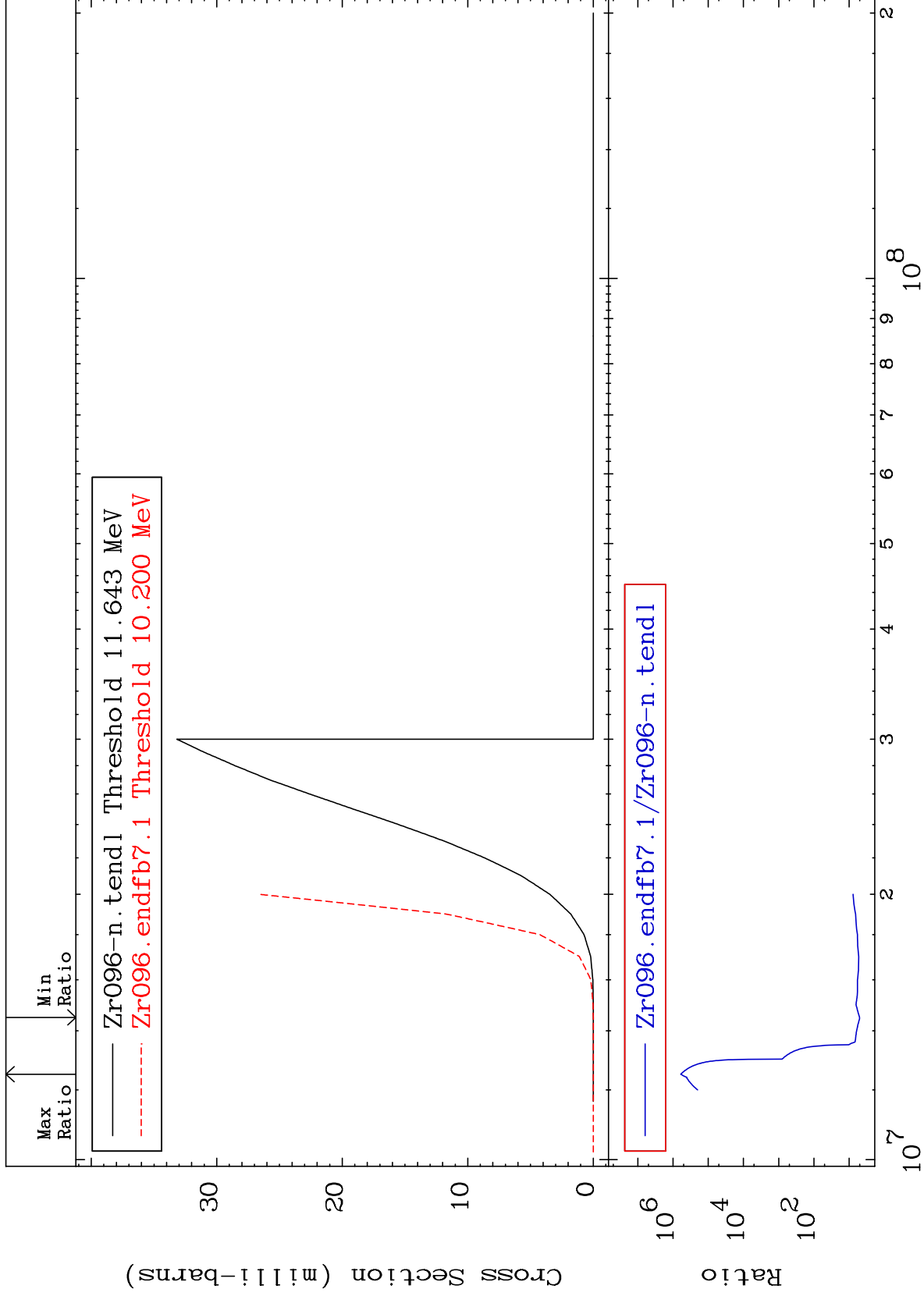
40-Zr-96
-67.49 To 2083. %



MAT 4043

(n,n') p
Cross Section

40-Zr-96
406.7 To 9999. %



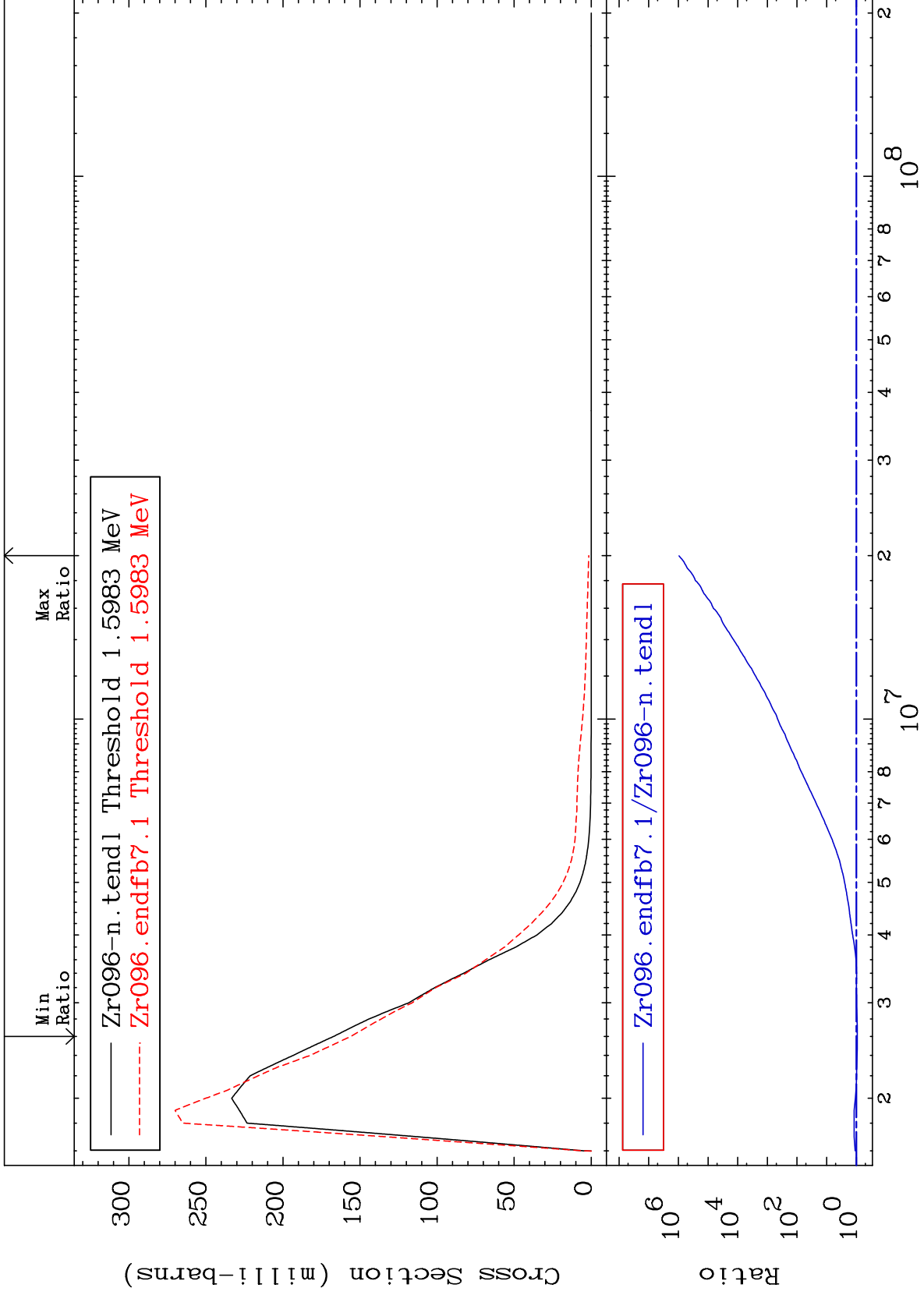
Incident Energy (eV)

40-Zr-96

MAT 4043

1.582 MeV (n,n') Level
Cross Section

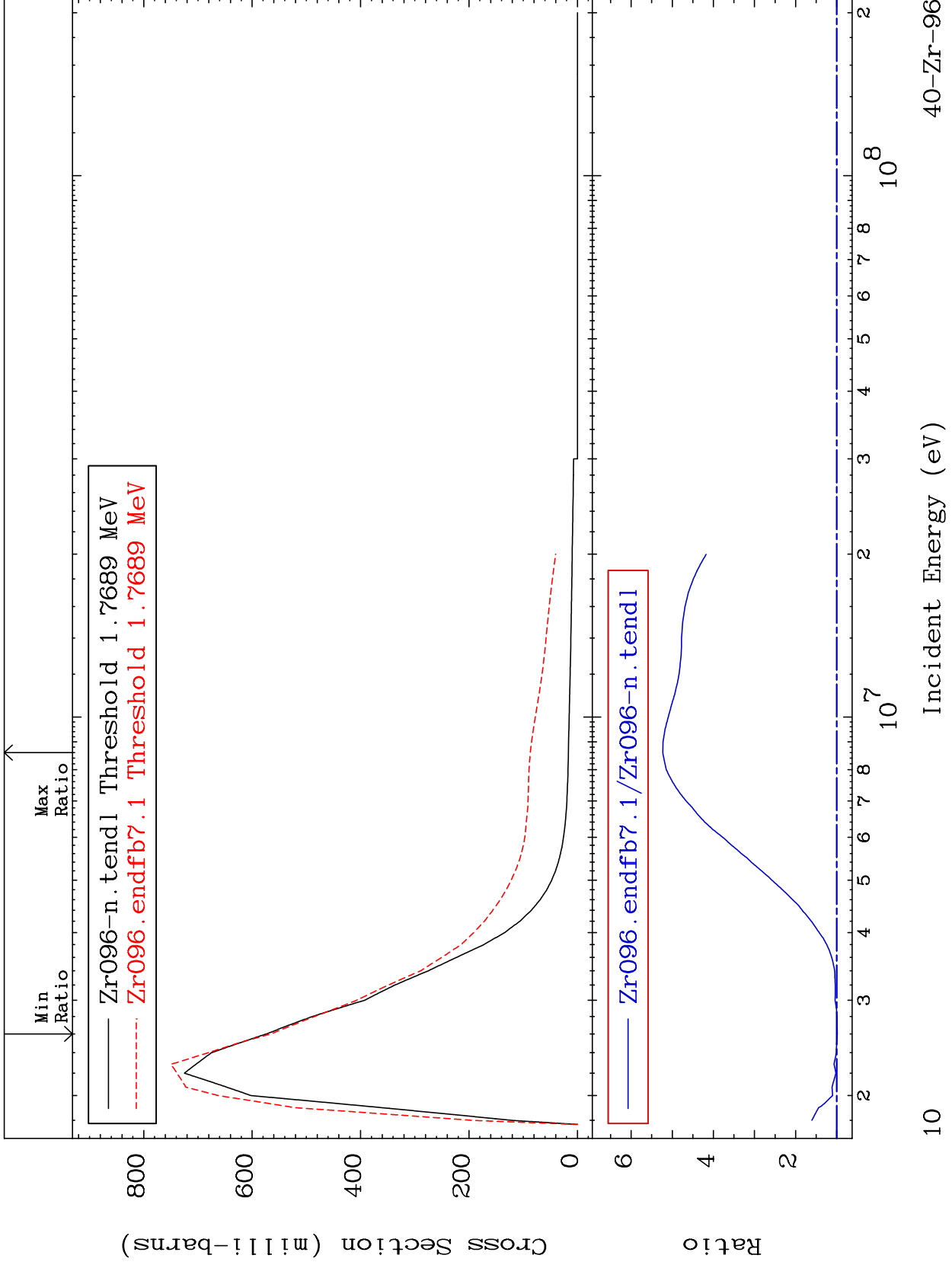
40-Zr-96
-6.676 To 9999. %



MAT 4043

1.751 MeV (n,n') Level
Cross Section

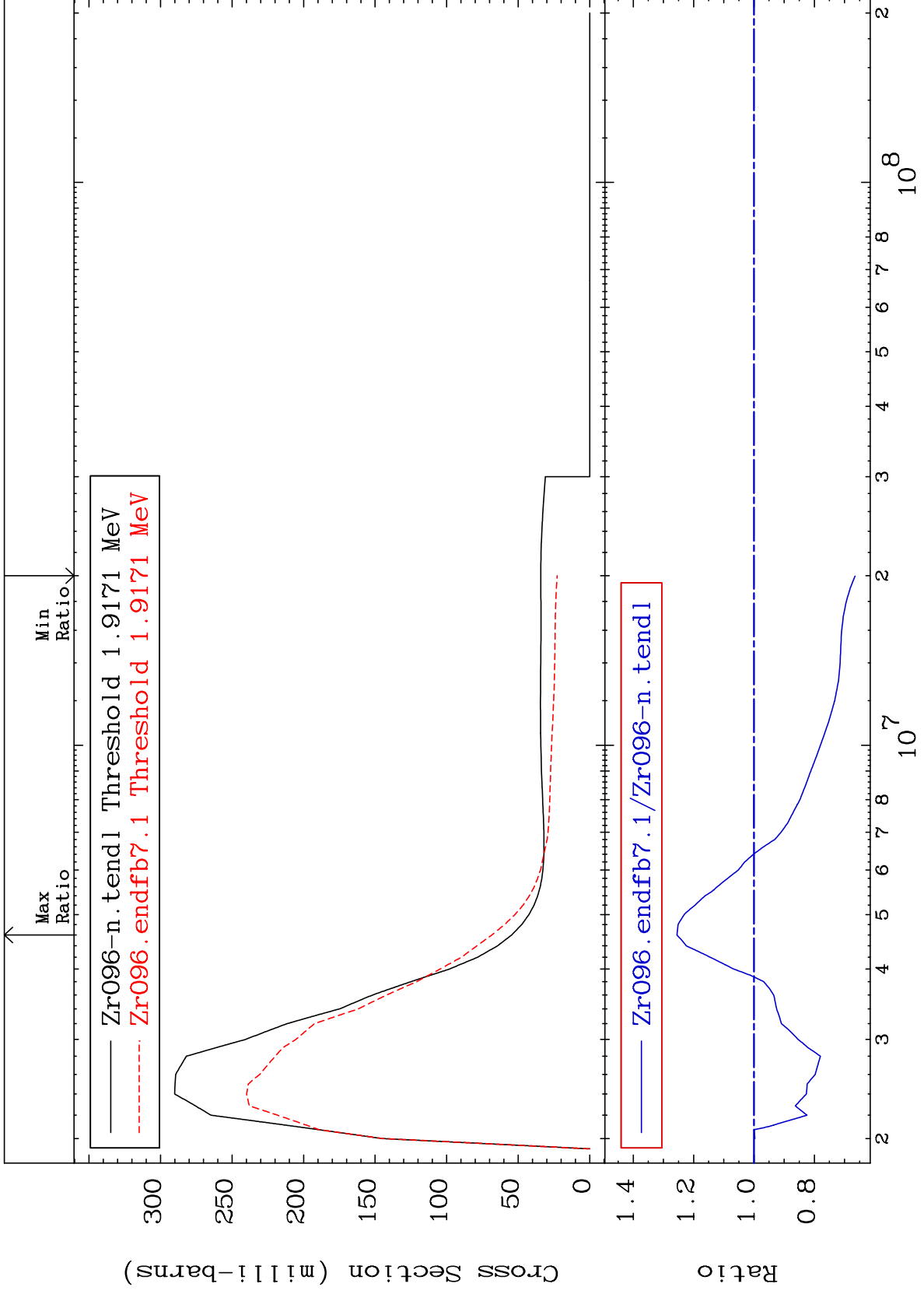
40-Zr-96
-1.456 To 422.9 %



MAT 4043

1.897 MeV (n,n') Level
Cross Section

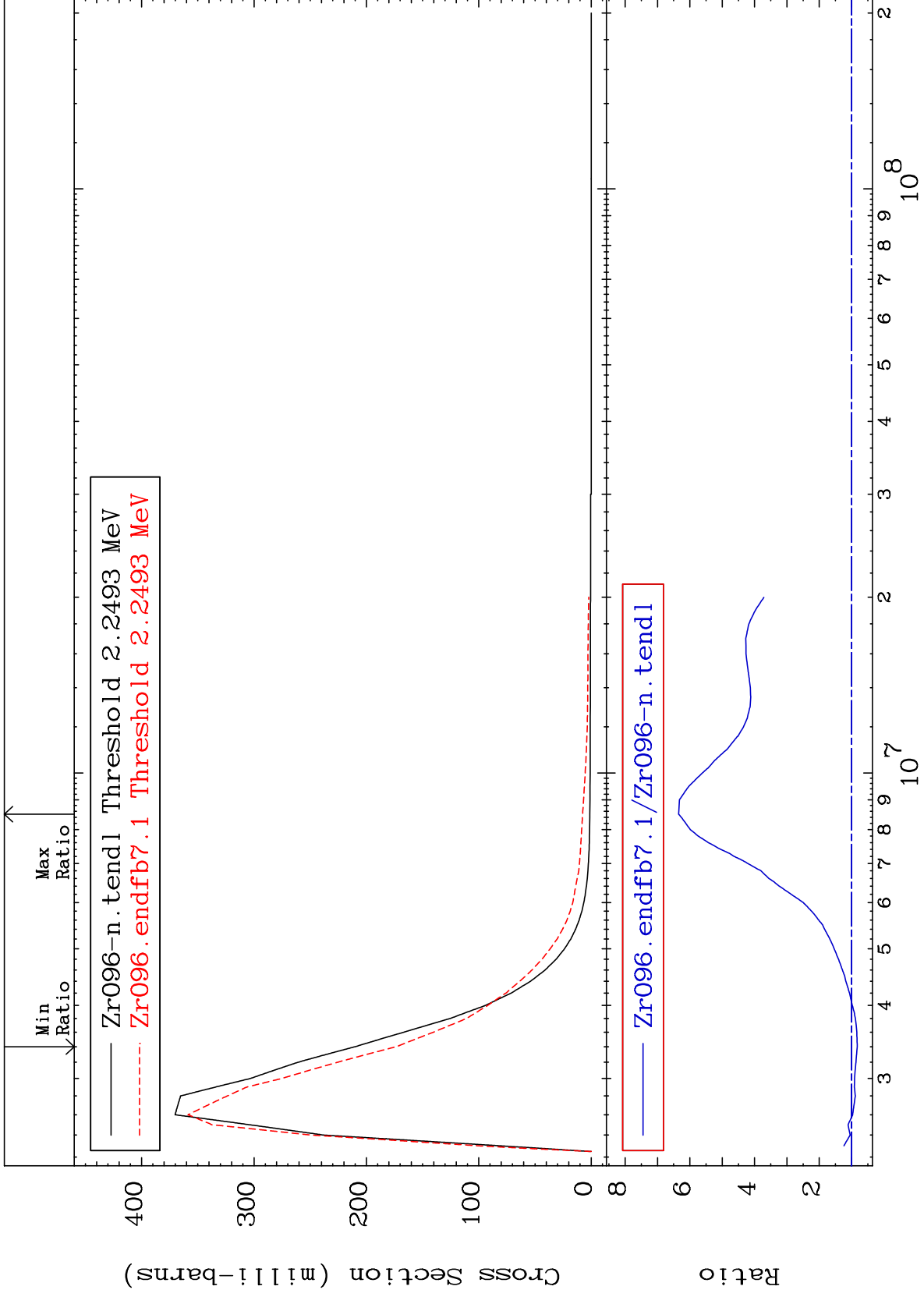
40-Zr-96
-33.51 To 25.53 %



MAT 4043

2.226 MeV (n,n') Level
Cross Section

40-Zr-96
-17.40 To 534.7 %



12

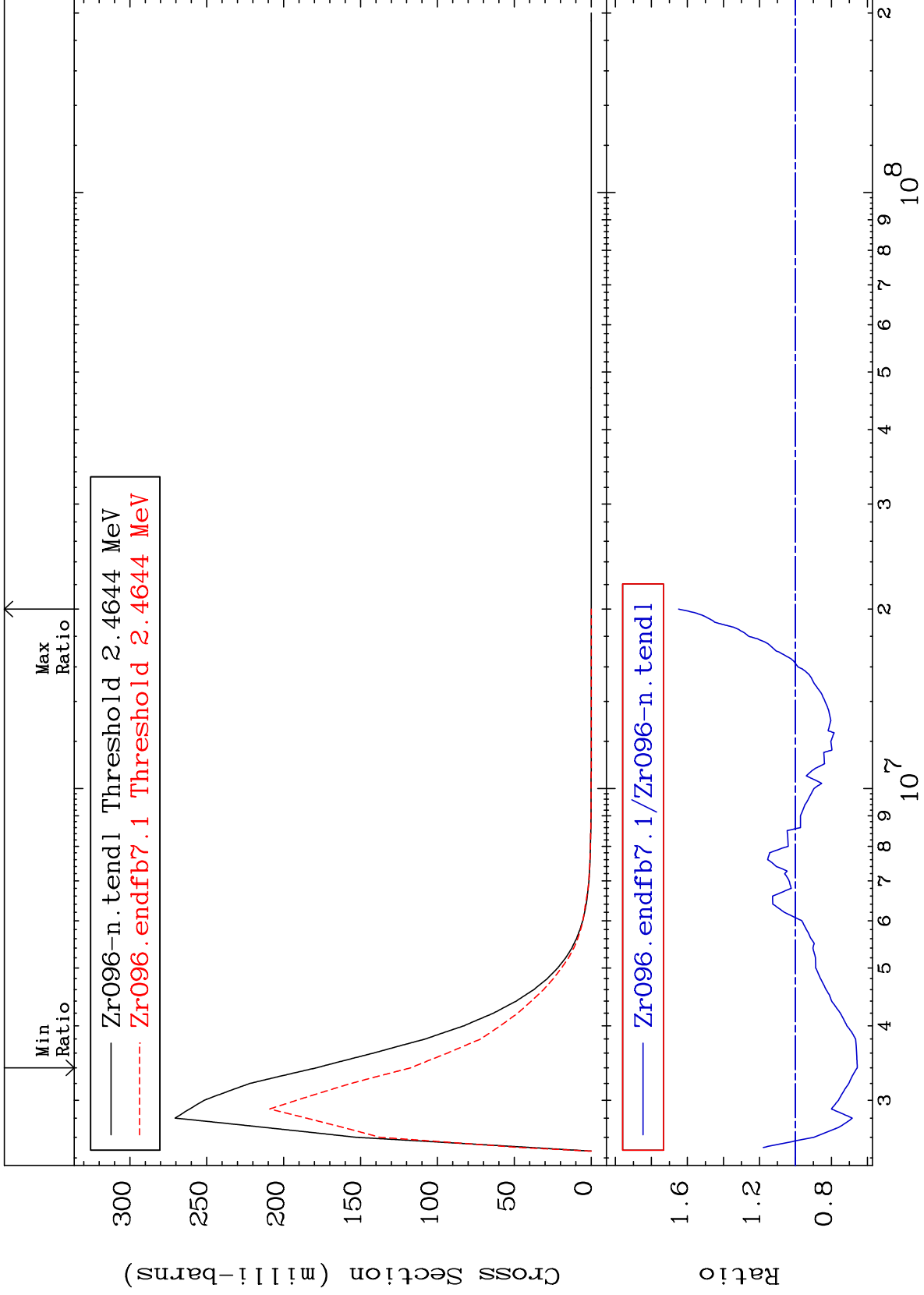
Incident Energy (eV)

40-Zr-96

MAT 4043

2.439 MeV (n,n') Level
Cross Section

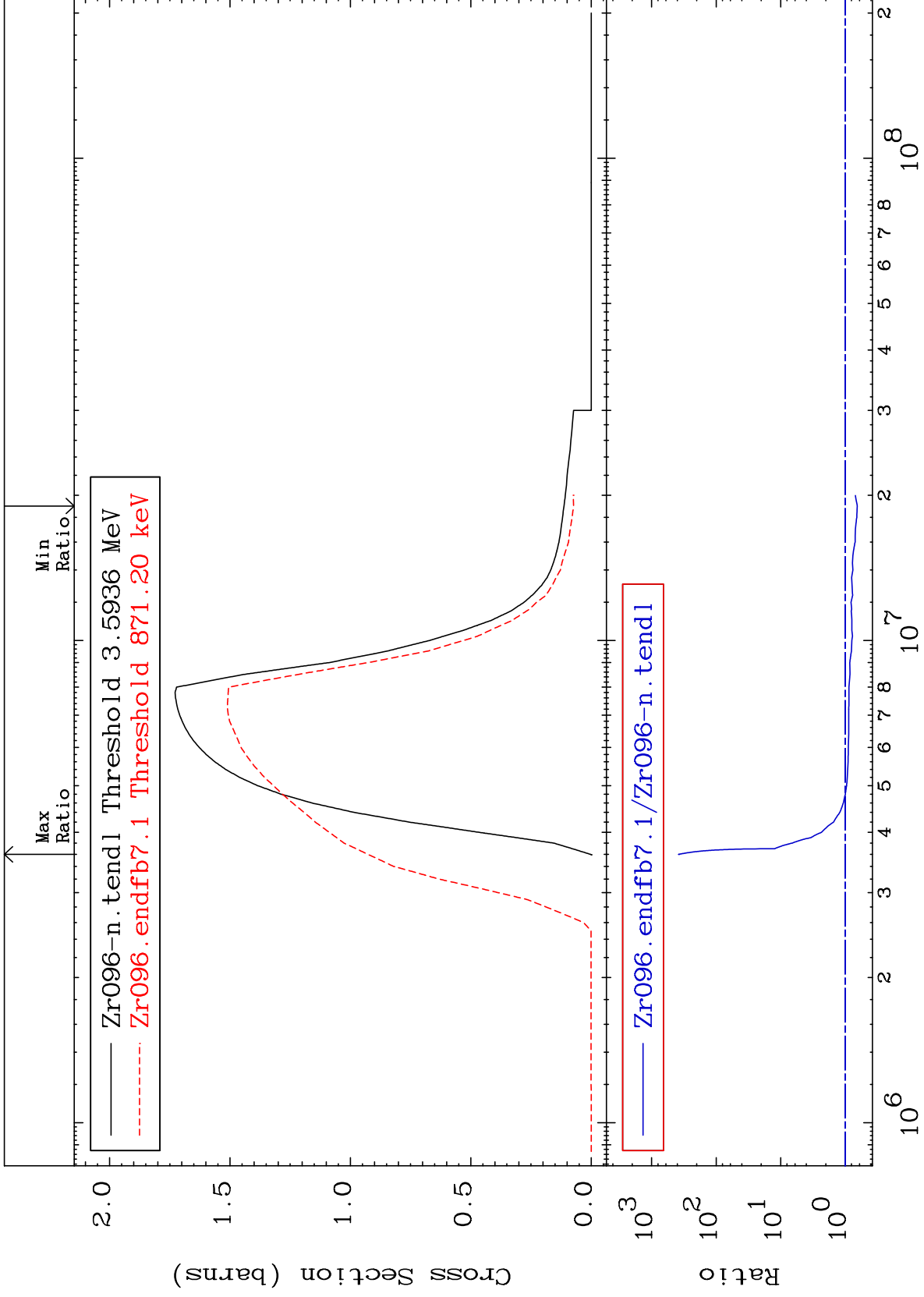
40-Zr-96
-34.34 To 64.87 %



MAT 4043

(n, n') Continuum
Cross Section

40-Zr-96
-34.96 To 9999. %



14

Incident Energy (eV)

40-Zr-96

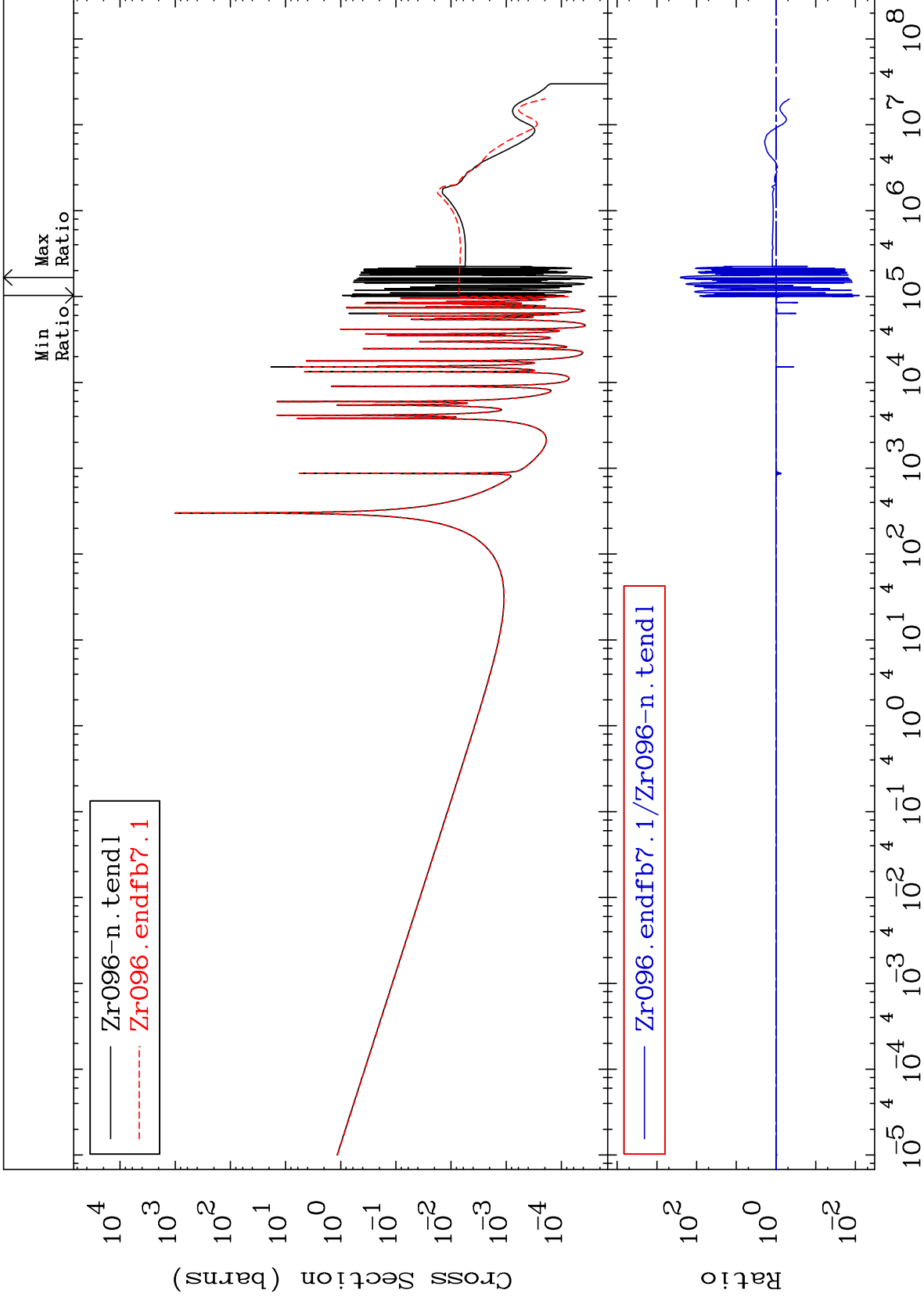
MAT 4043

(n, γ)

40-Zr-96

Cross Section

-99.20 To 9999. %



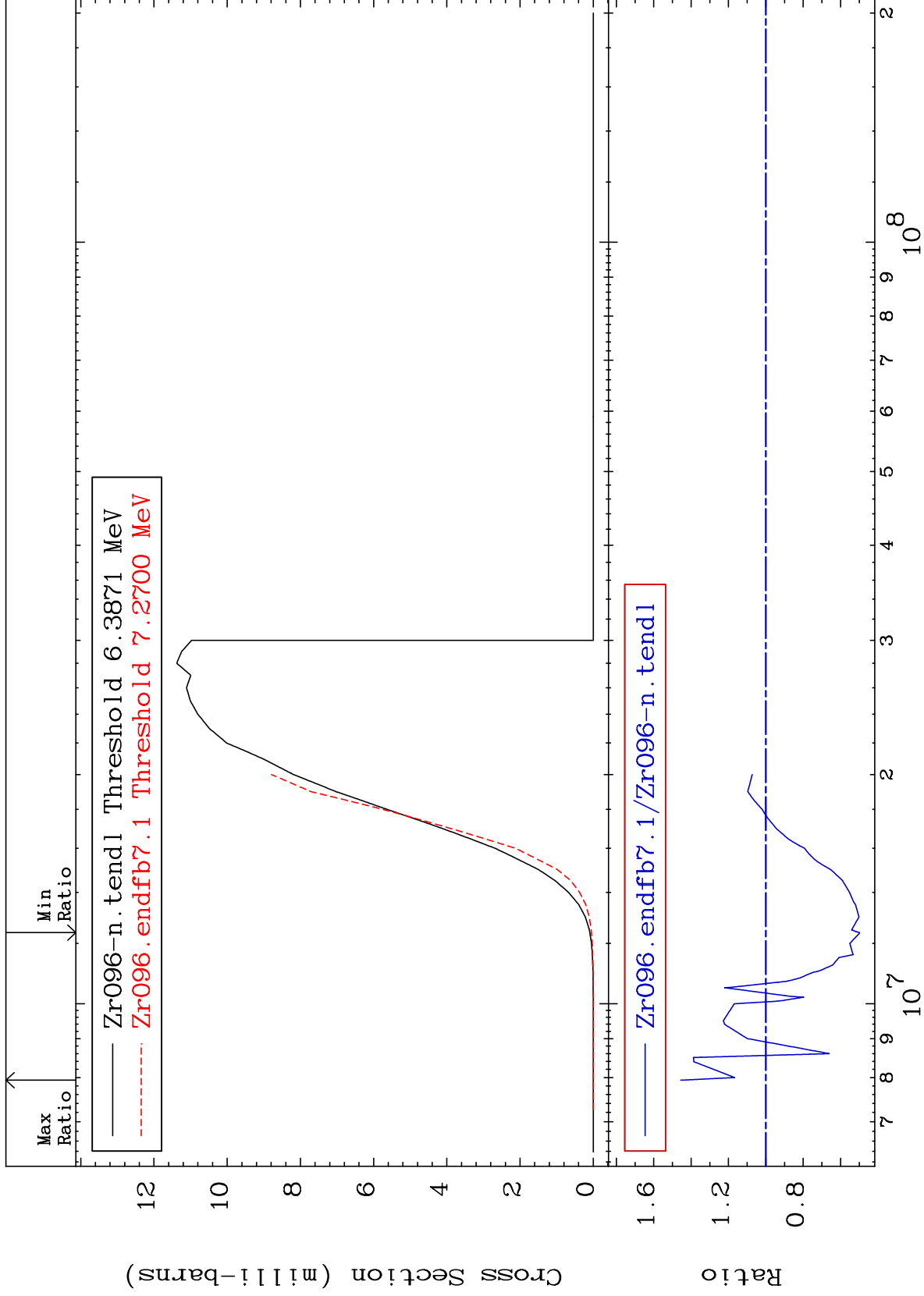
15

40-Zr-96

MAT 4043

(n,p)
Cross Section

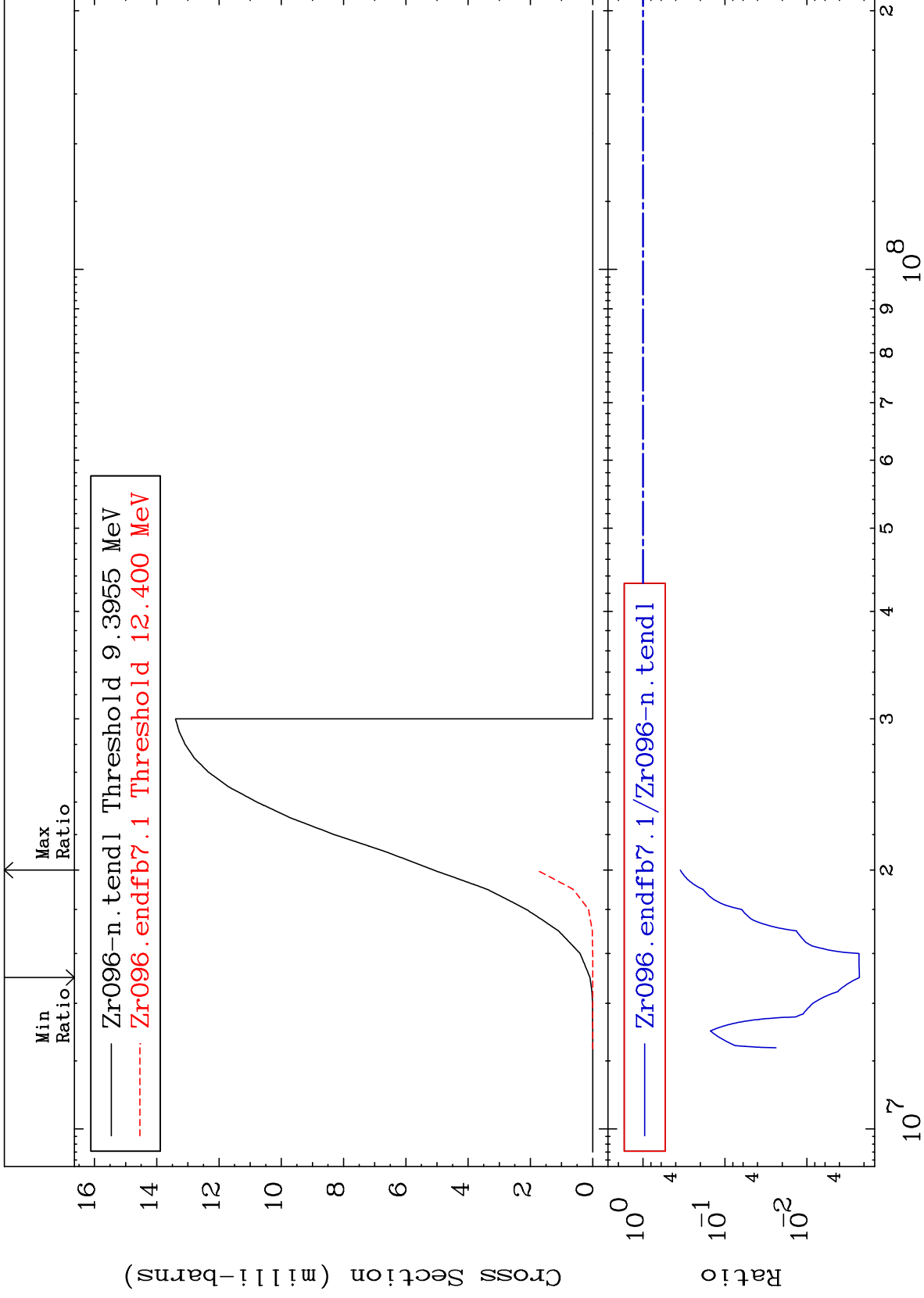
40-Zr-96
-50.14 To 45.53 %



MAT 4043

(n, d)
Cross Section

40-Zr-96
-99.77 To -64.96%



17

Incident Energy (eV)

40-Zr-96

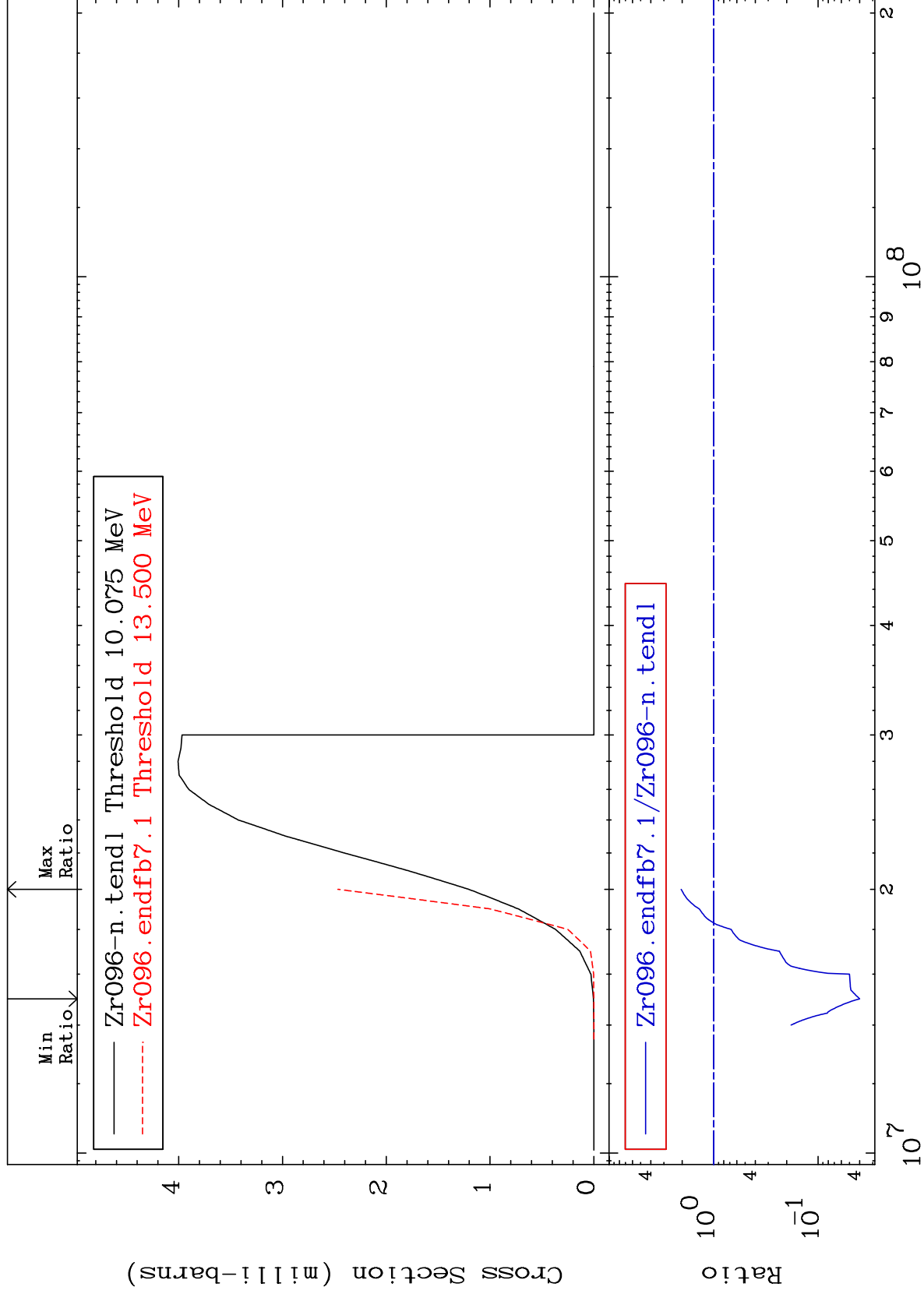
MAT 4043

(n, t)

40-Zr-96

Cross Section

-96.00 To 104.7 %



18

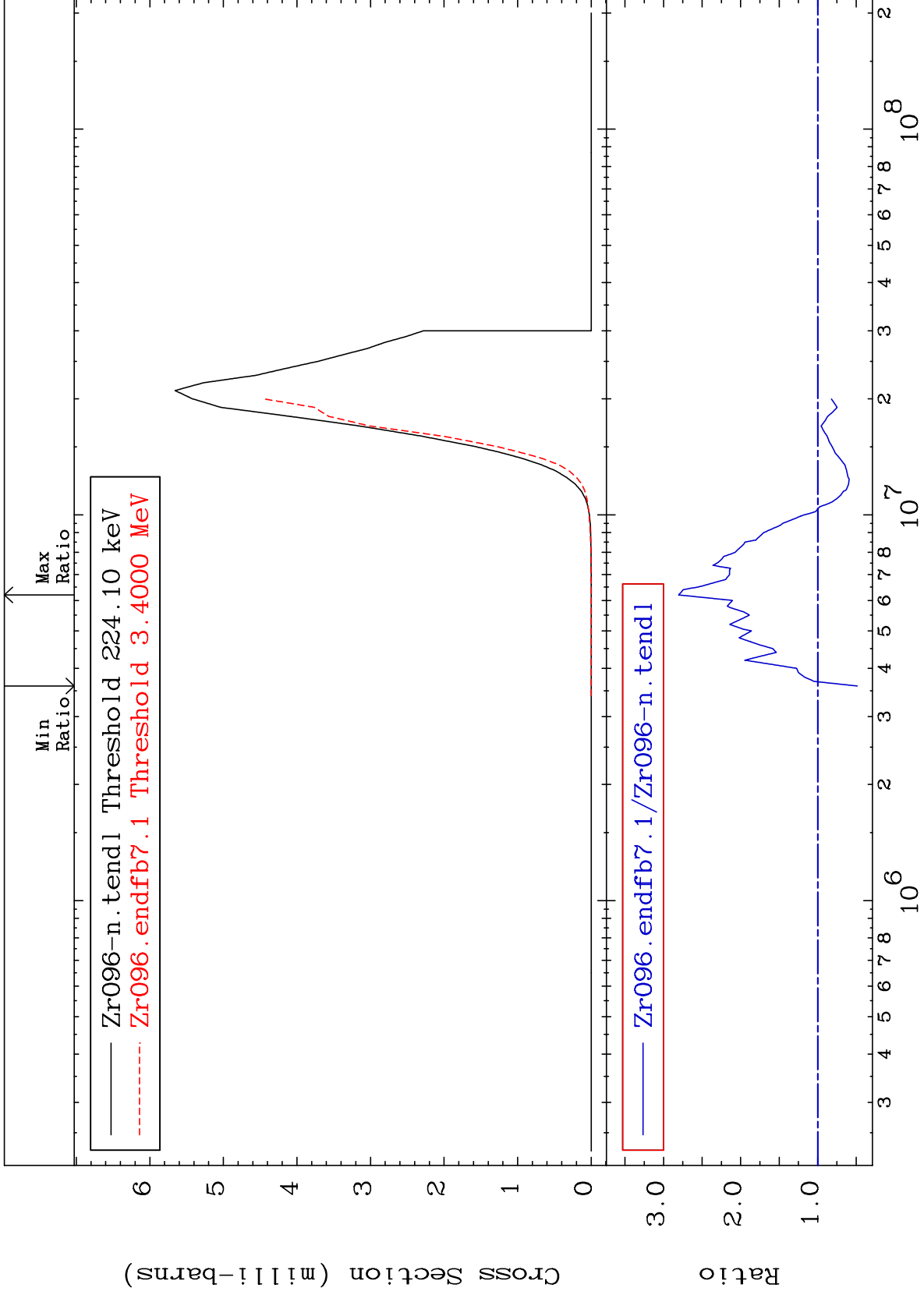
40-Zr-96

40-Zr-96

MAT 4043

40-Zr-96

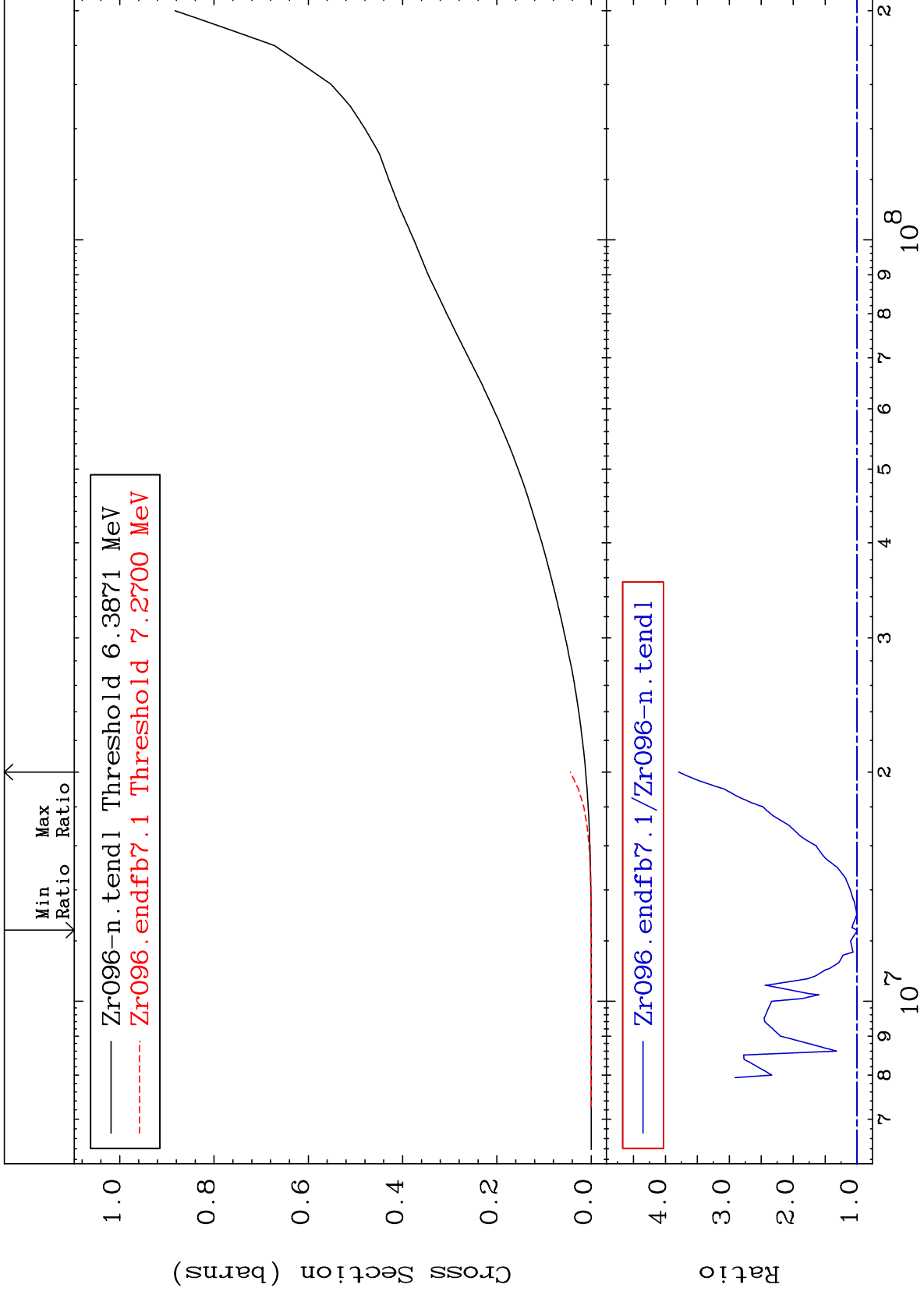
(n, α)
Cross Section
-51.34 To 180.4 %



MAT 4043

Hydrogen Production
Cross Section

40-Zr-96
-0.276 To 279.3 %



20

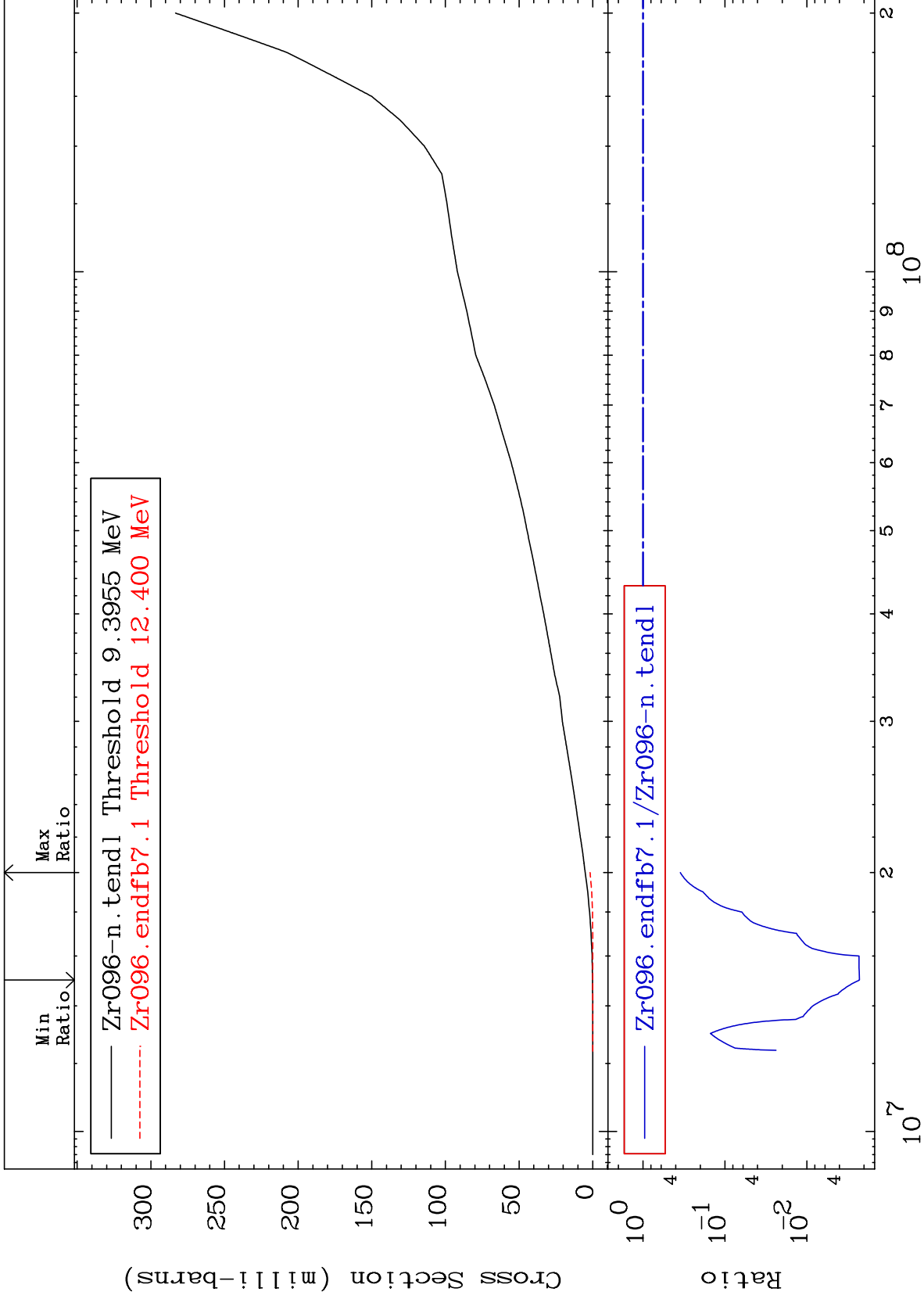
Incident Energy (eV)

40-Zr-96

MAT 4043

Deuterium Production Cross Section

40-Zr-96
-99.77 To -64.97%



21

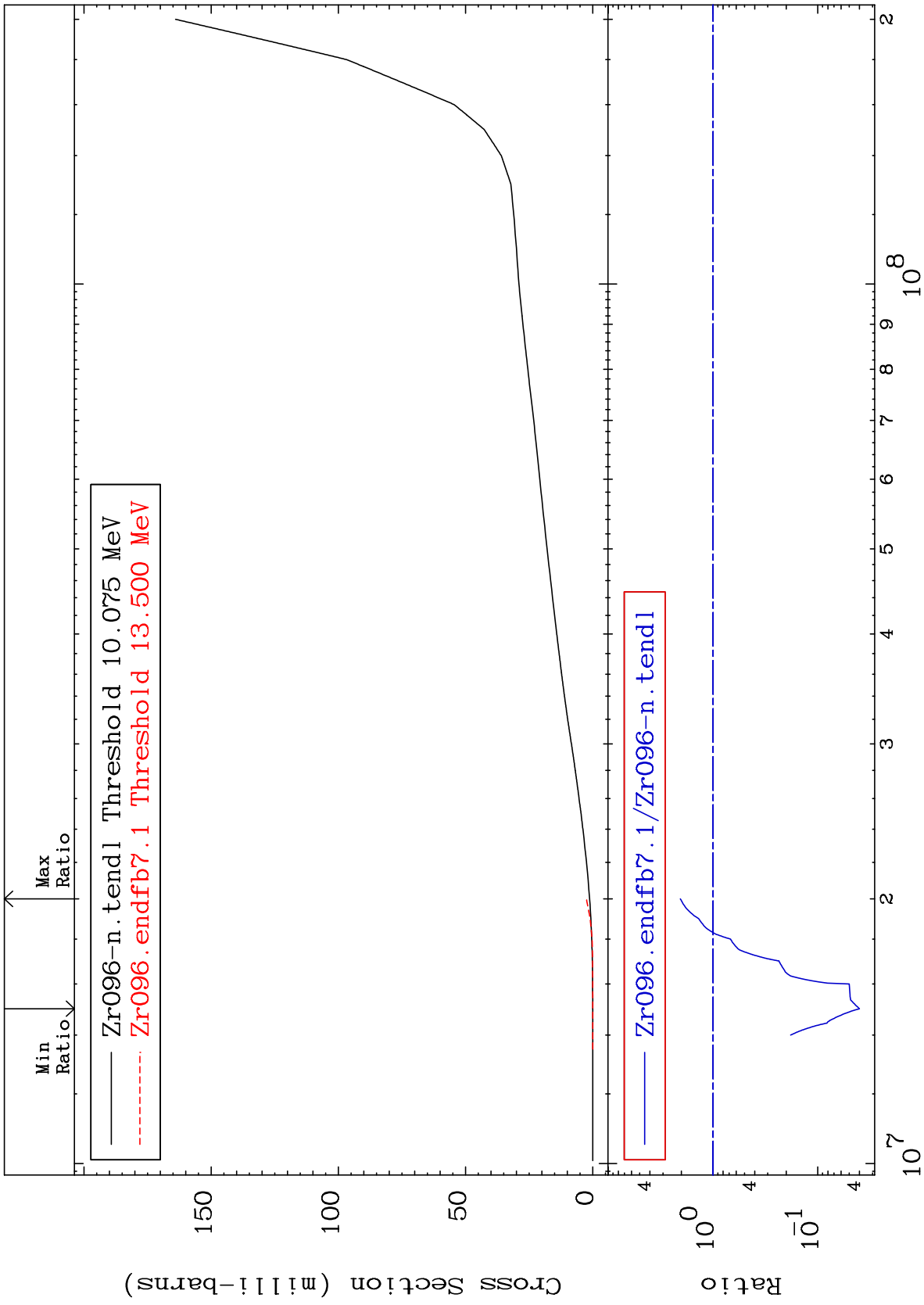
Incident Energy (eV)

40-Zr-96

MAT 4043

Tritium Production
Cross Section

40-Zr-96
-96.00 To 104.7 %



22

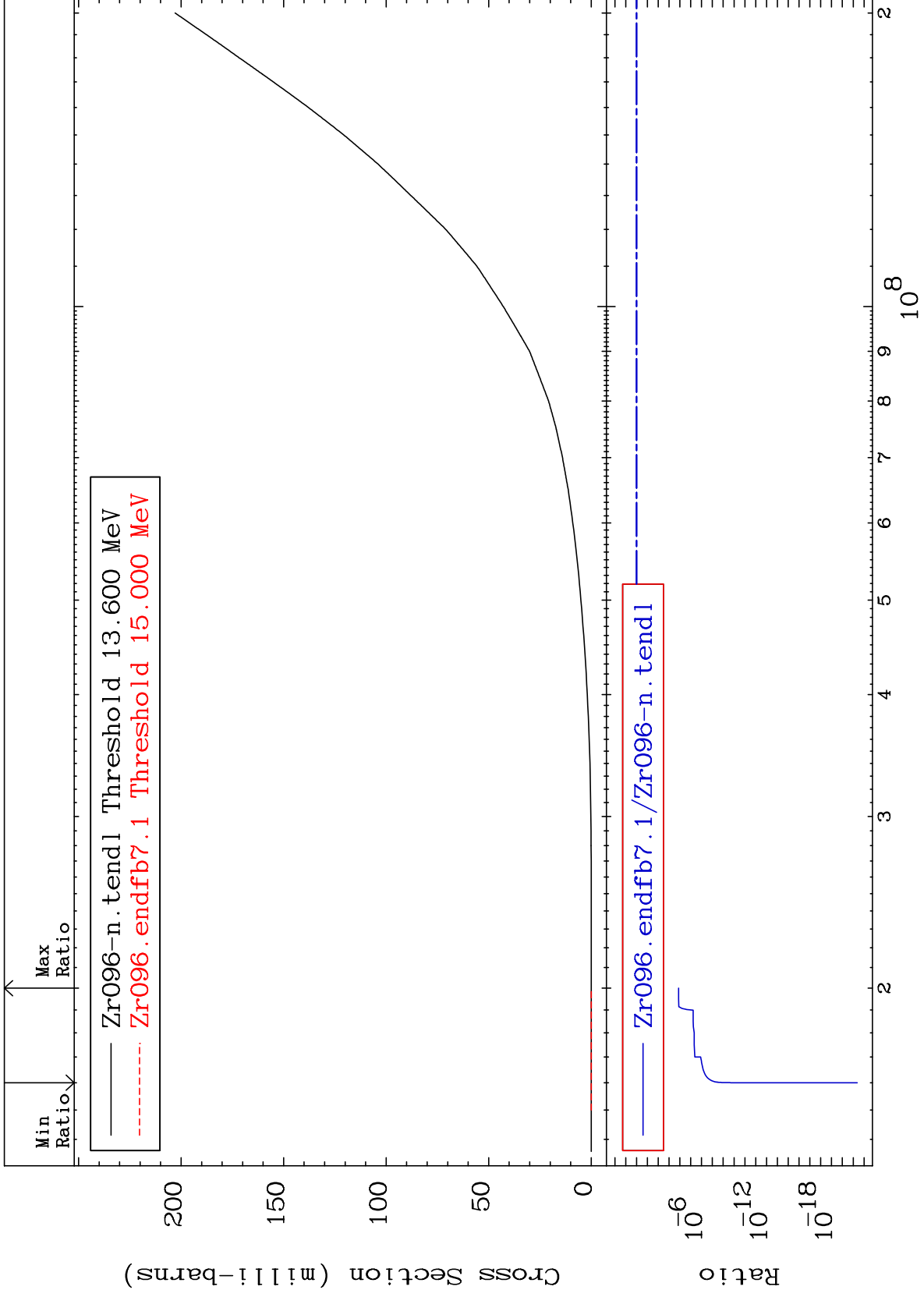
Incident Energy (eV)

40-Zr-96

MAT 4043

He-3 Production
Cross Section

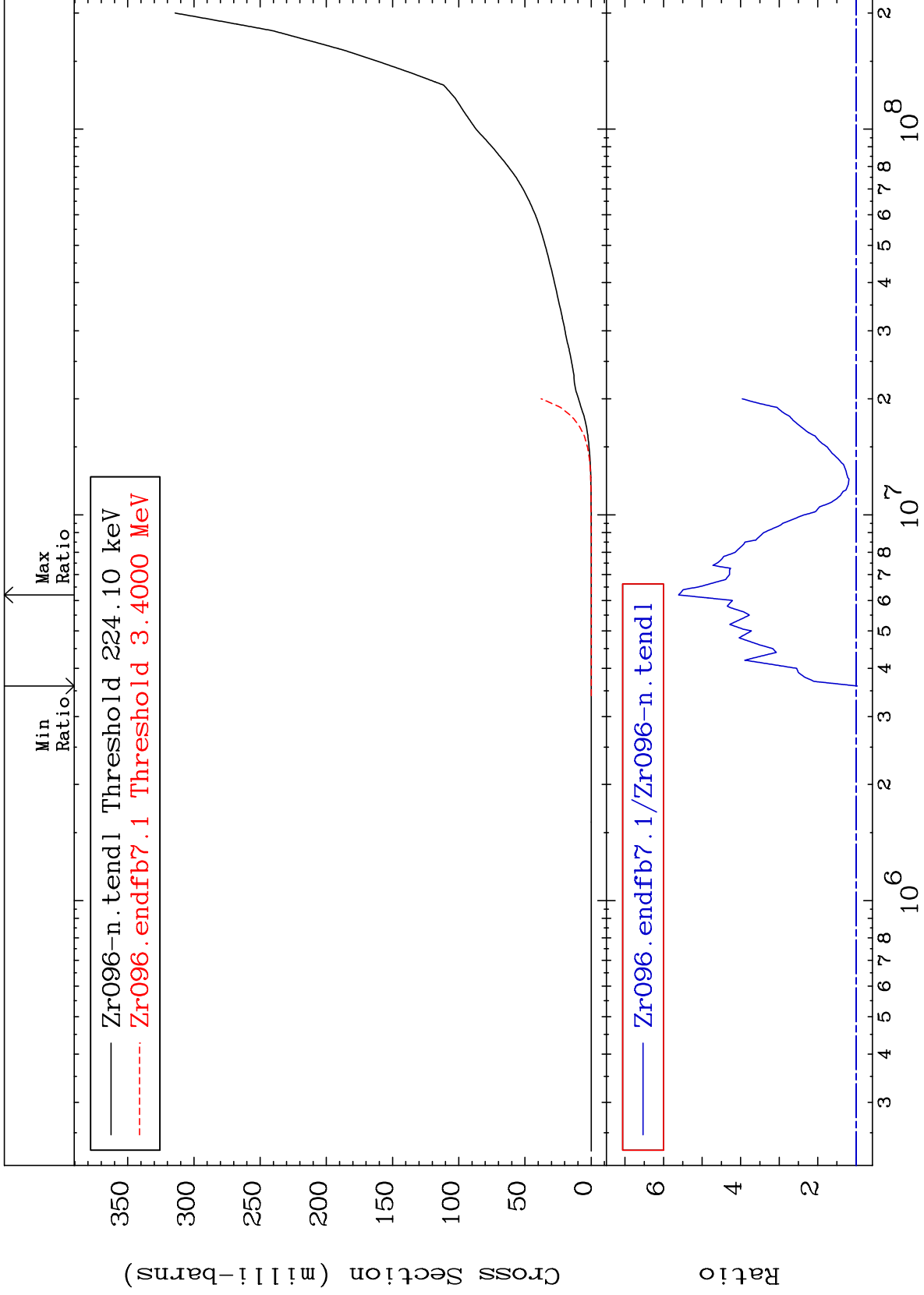
40-Zr-96
-100.0 To -99.99%



MAT 4043

He-4 Production
Cross Section

40-Zr-96
-2.674 To 460.9 %



24

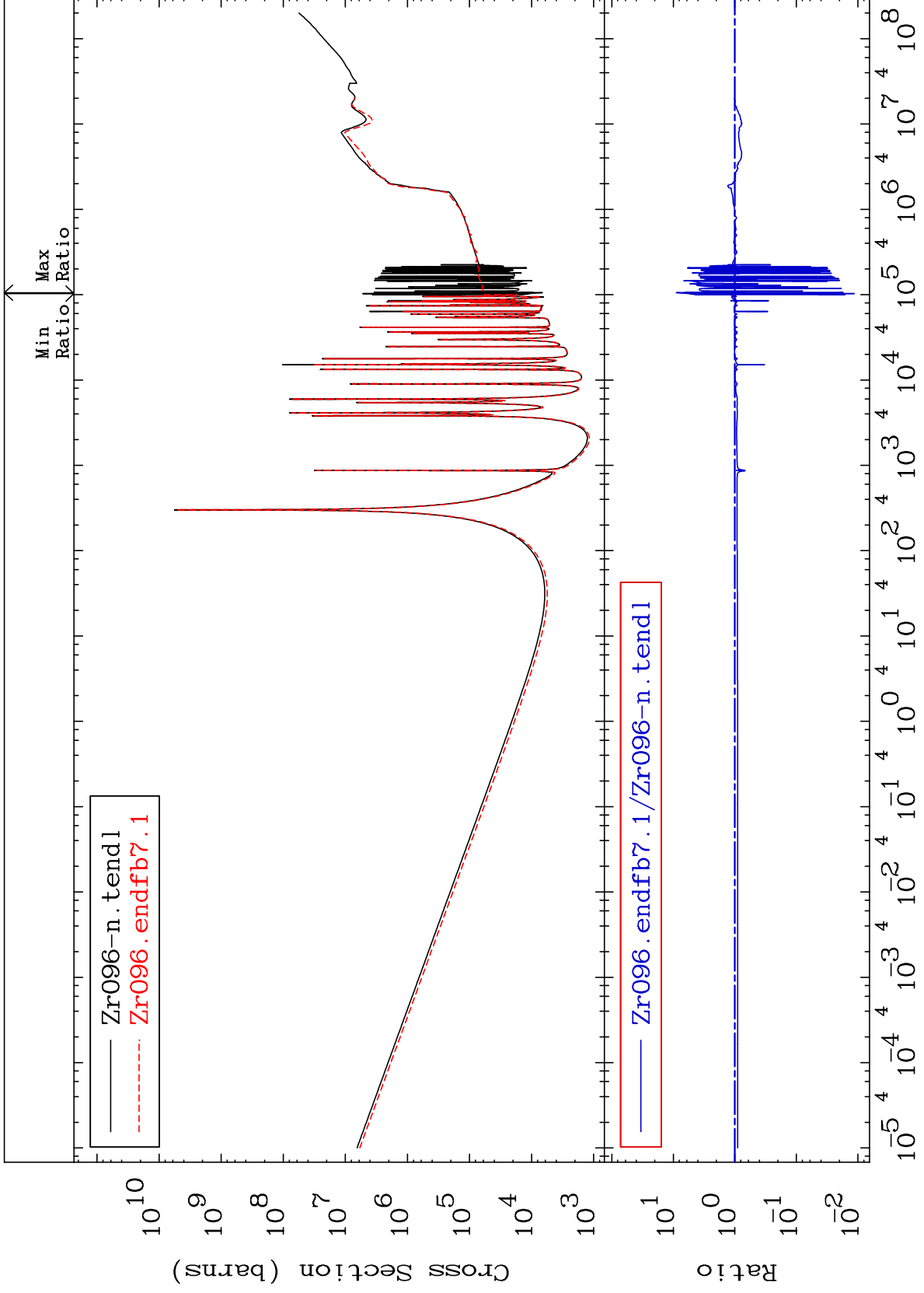
Incident Energy (eV)

40-Zr-96

MAT 4043

Kerma total (eV-barns)
Cross Section

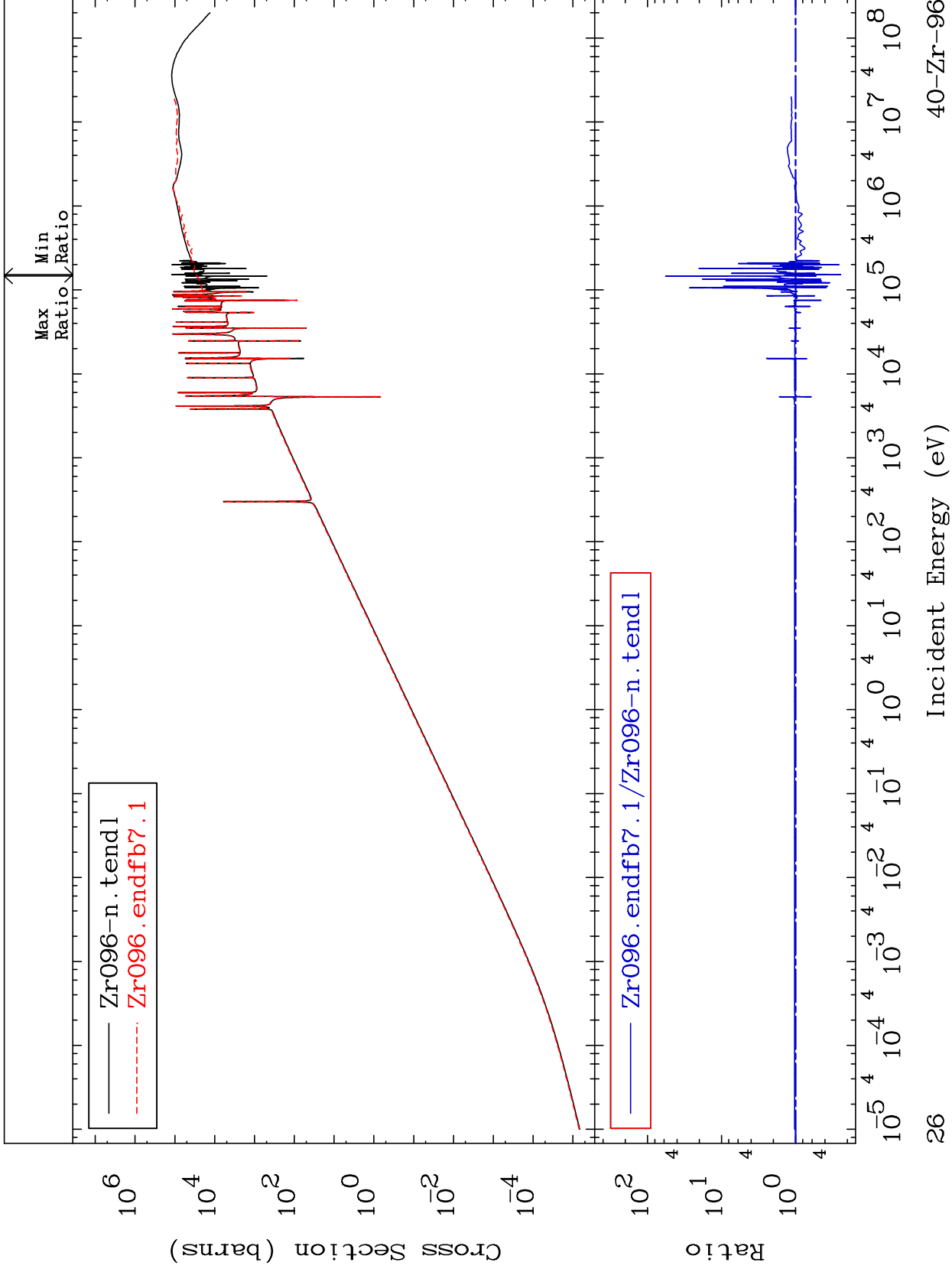
40-Zr-96
-98.86 To 792.6 %

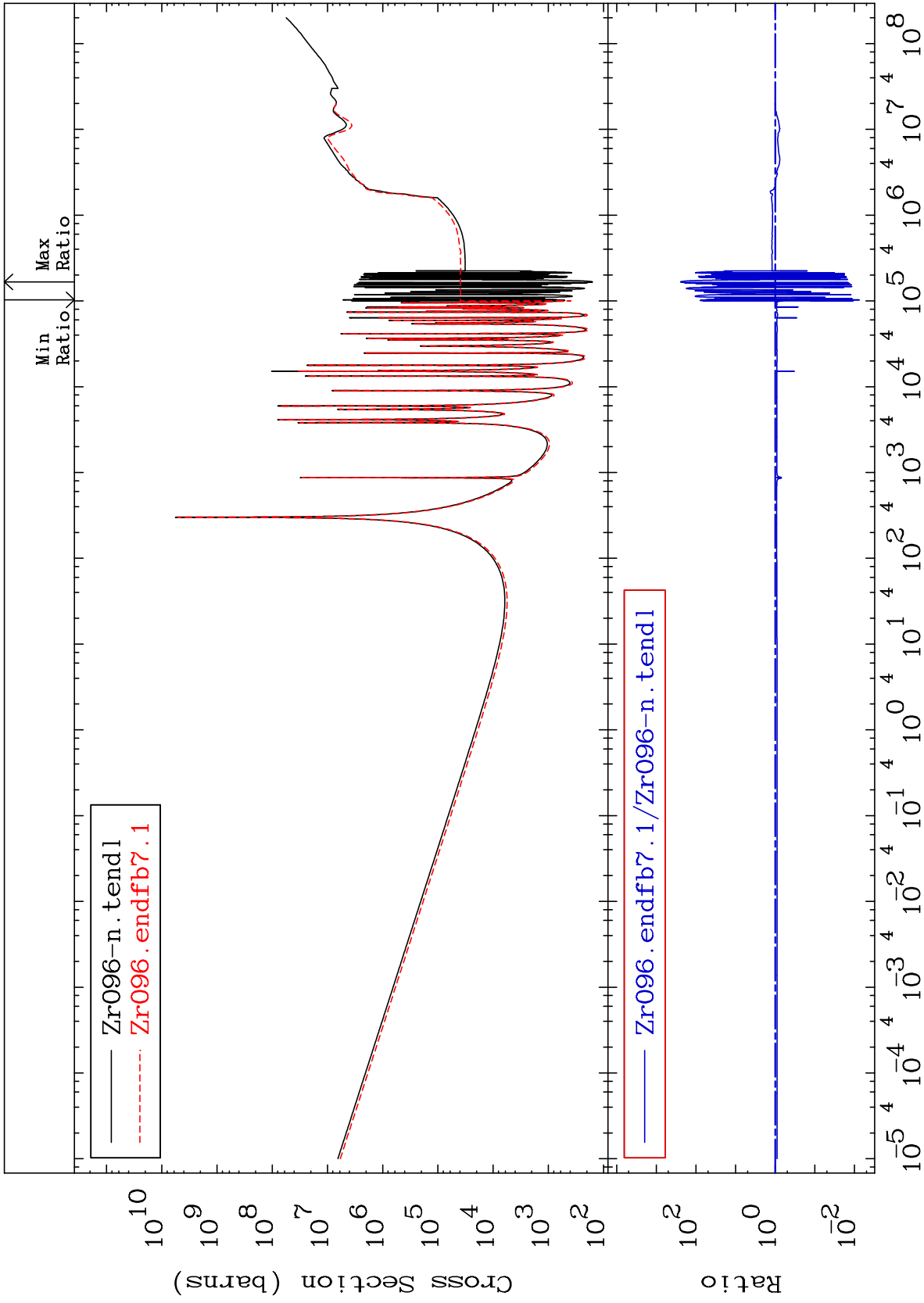


MAT 4043

Kerma elastic
Cross Section

40-Zr-96
-75.40 To 5628. %

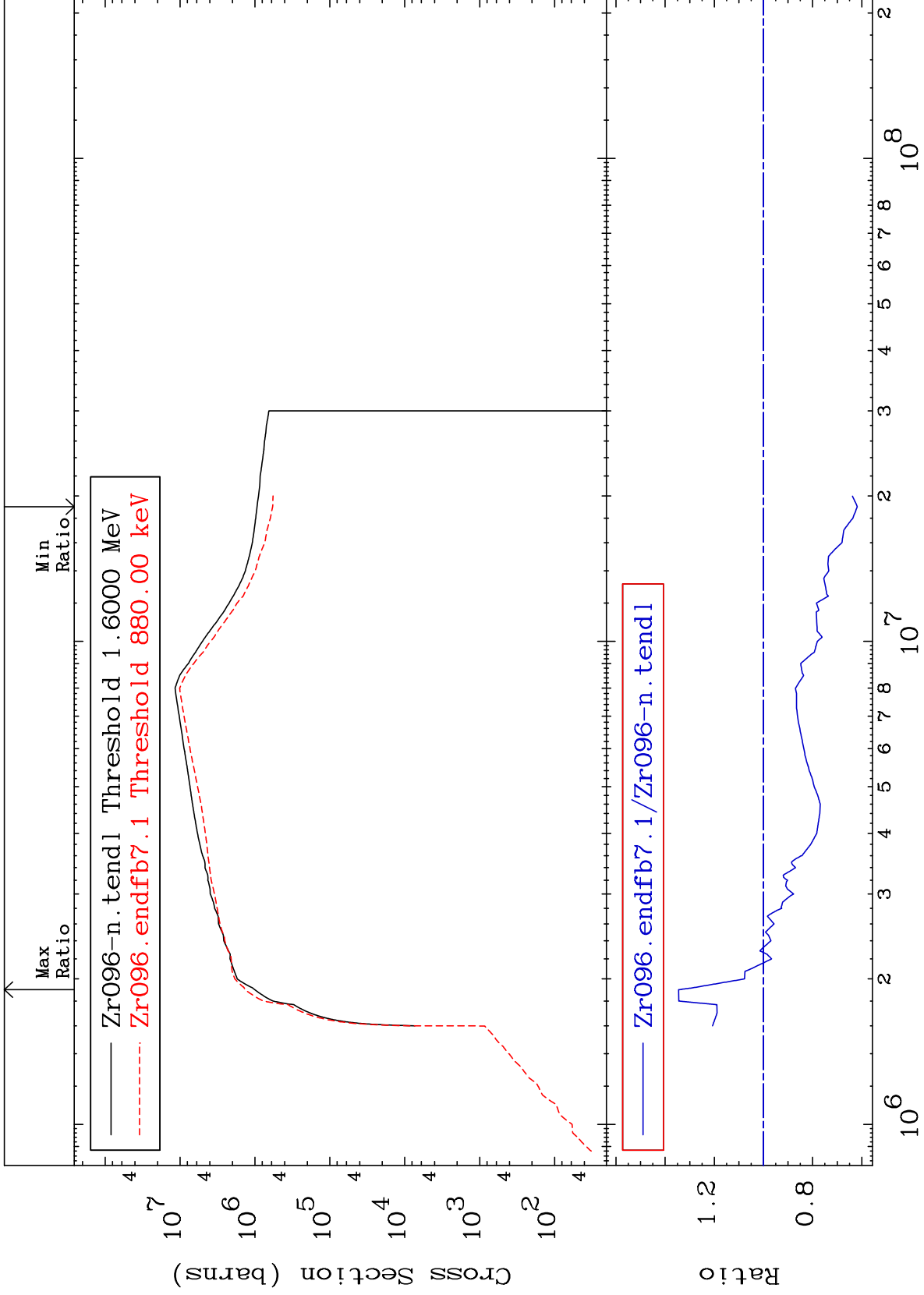




MAT 4043

Kerma inelastic (mt51-91)
Cross Section

40-Zr-96
-38.17 To 34.52 %



28

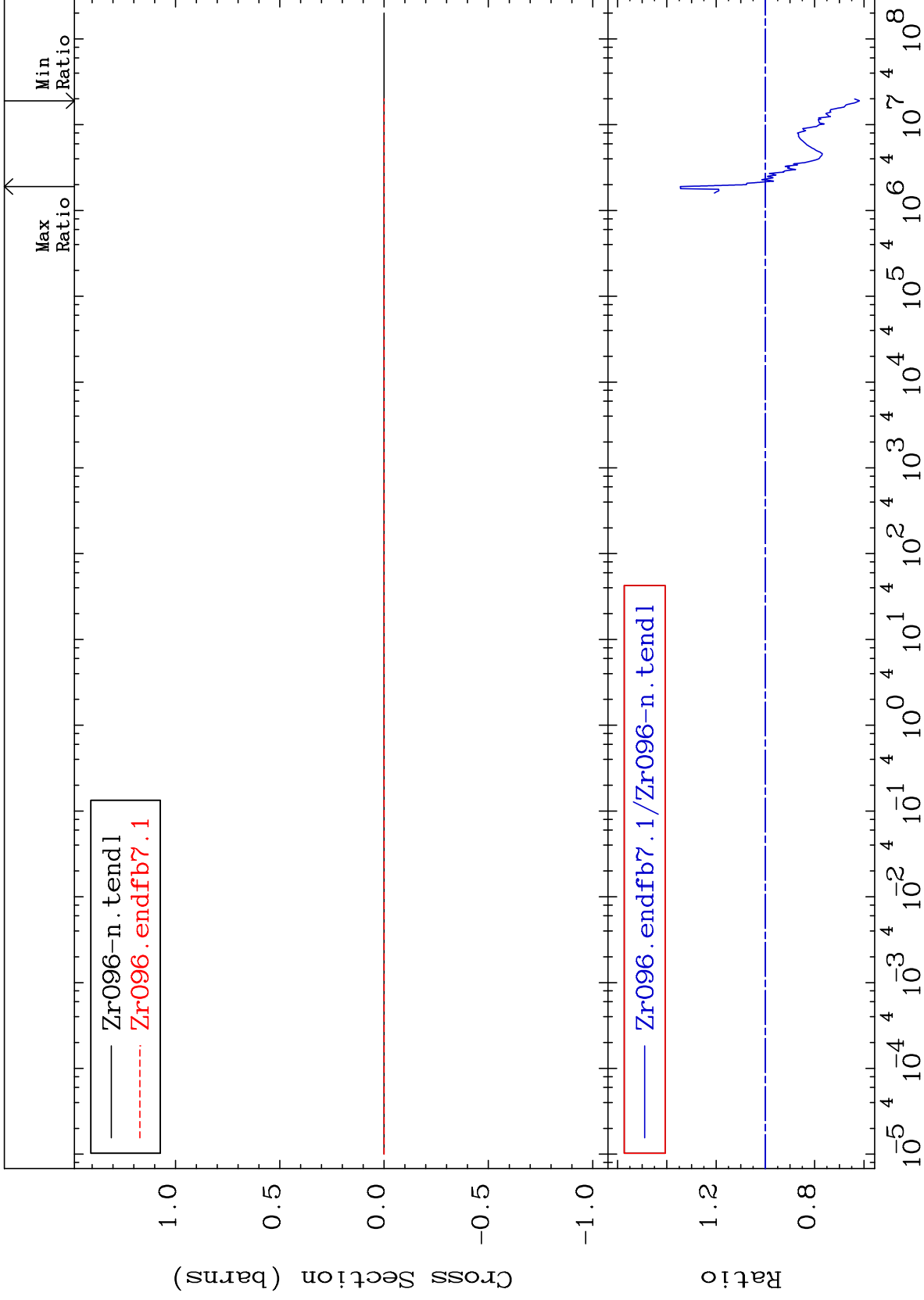
Incident Energy (eV)

40-Zr-96

MAT 4043

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

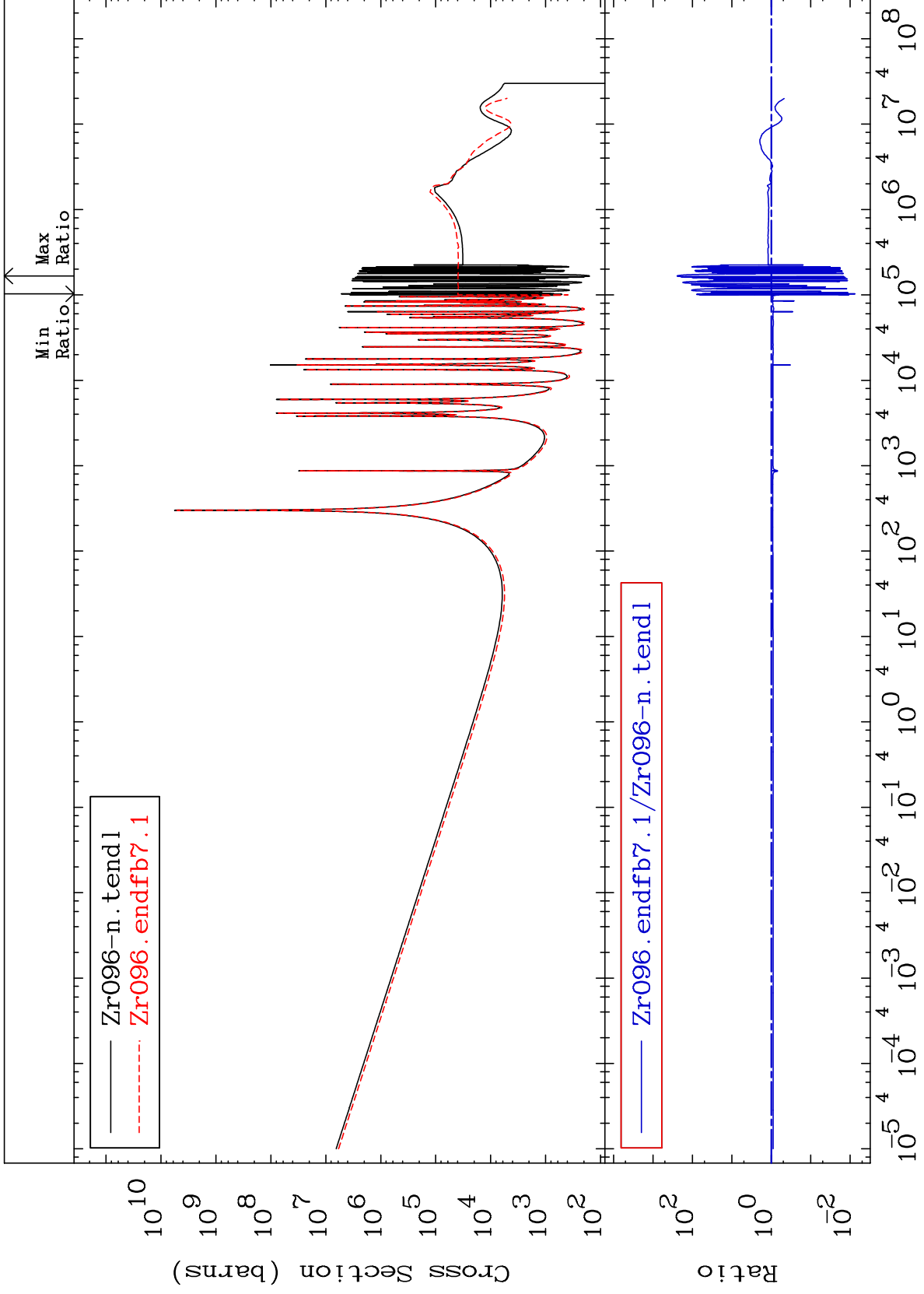
40-Zr-96
-38.17 To 34.52 %



MAT 4043

Kerma capture (mt102)
Cross Section

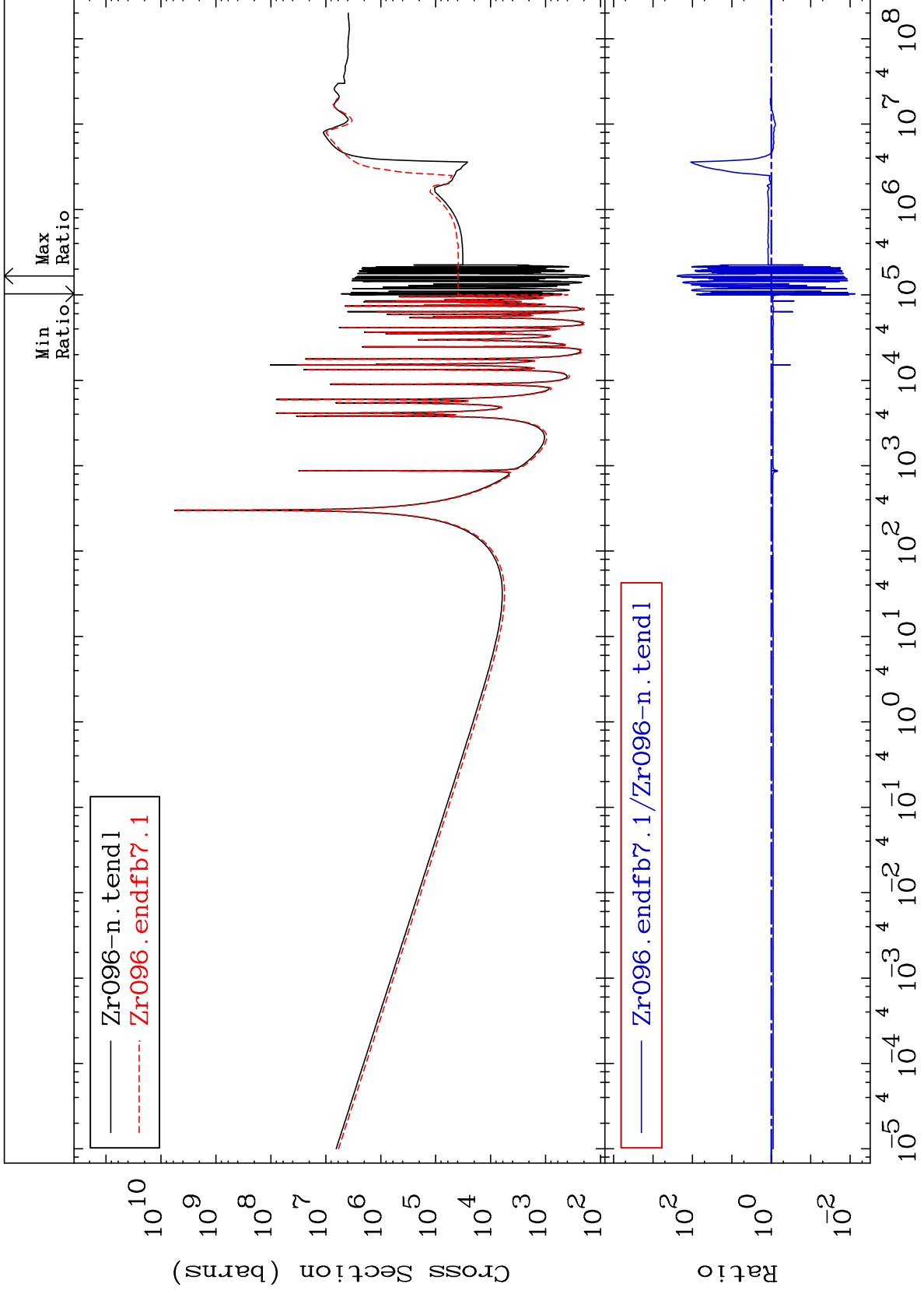
40-Zr-96
-99.25 To 9999. %



MAT 4043

Total photon (eV-barns)
Cross Section

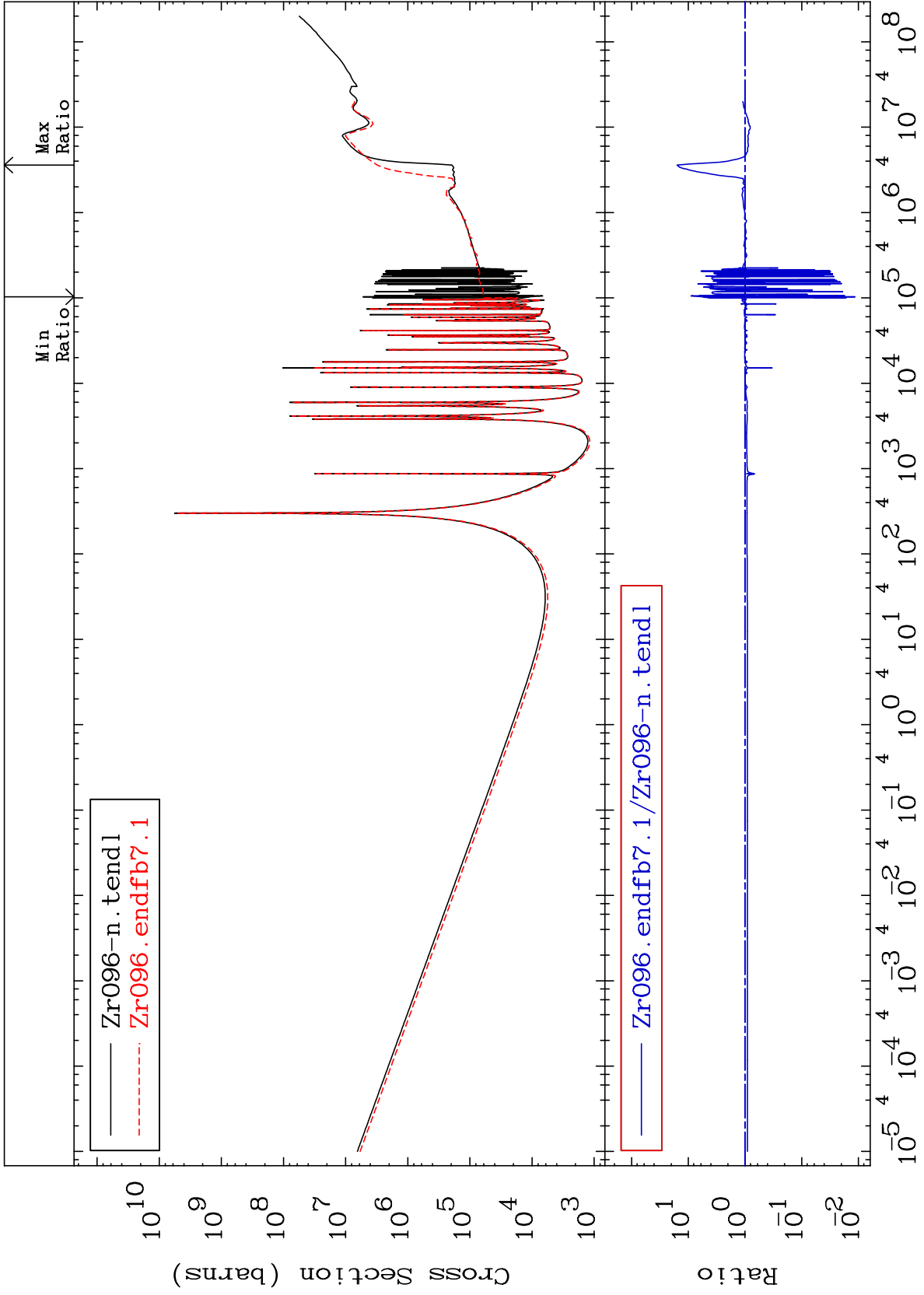
40-Zr-96
-99.25 To 9999. %



MAT 4043

Total kinematic kerma (high limit)
Cross Section

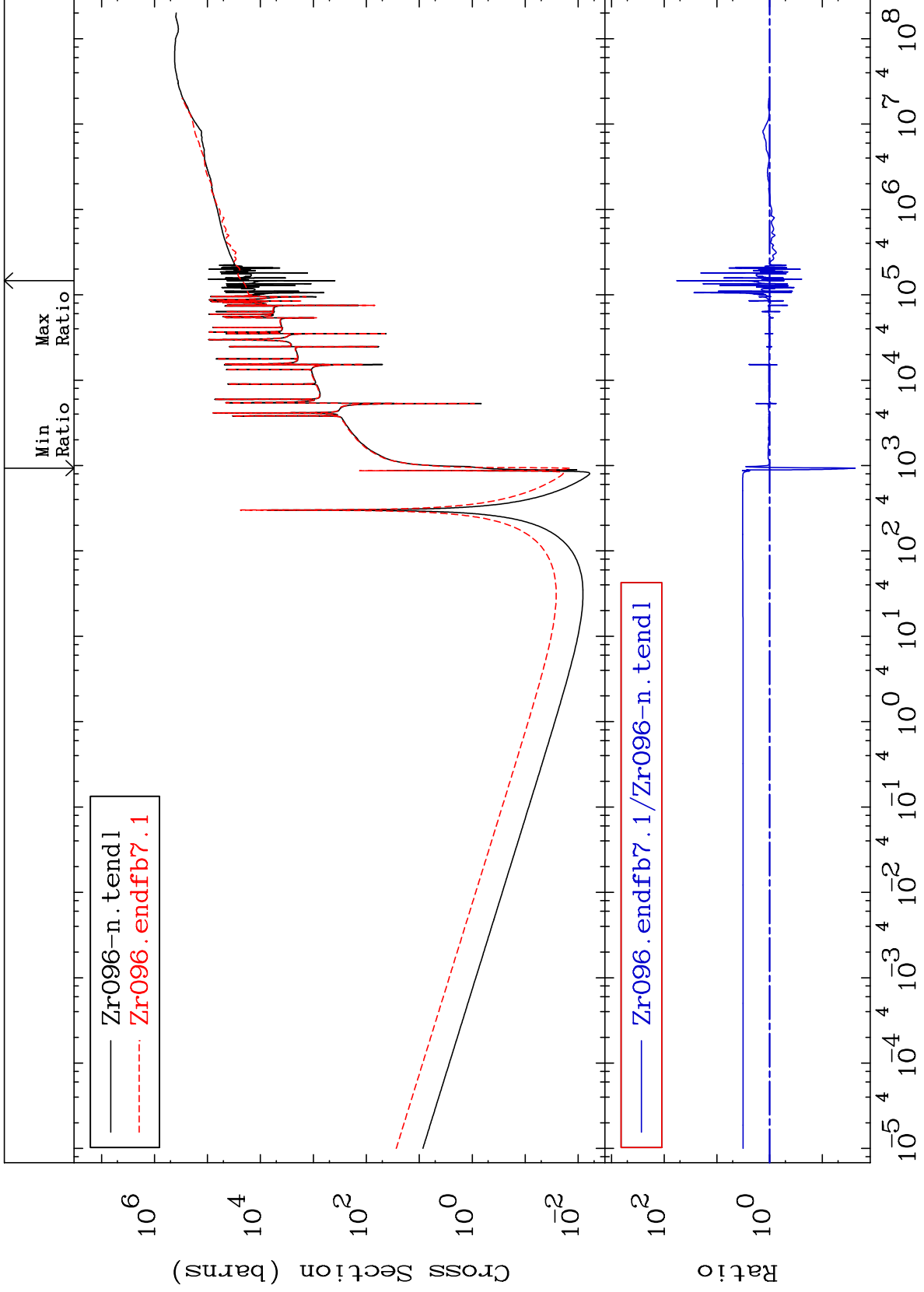
40-Zr-96
-98.86 To 1486. %



MAT 4043

Dpa total (eV-barns)
Cross Section

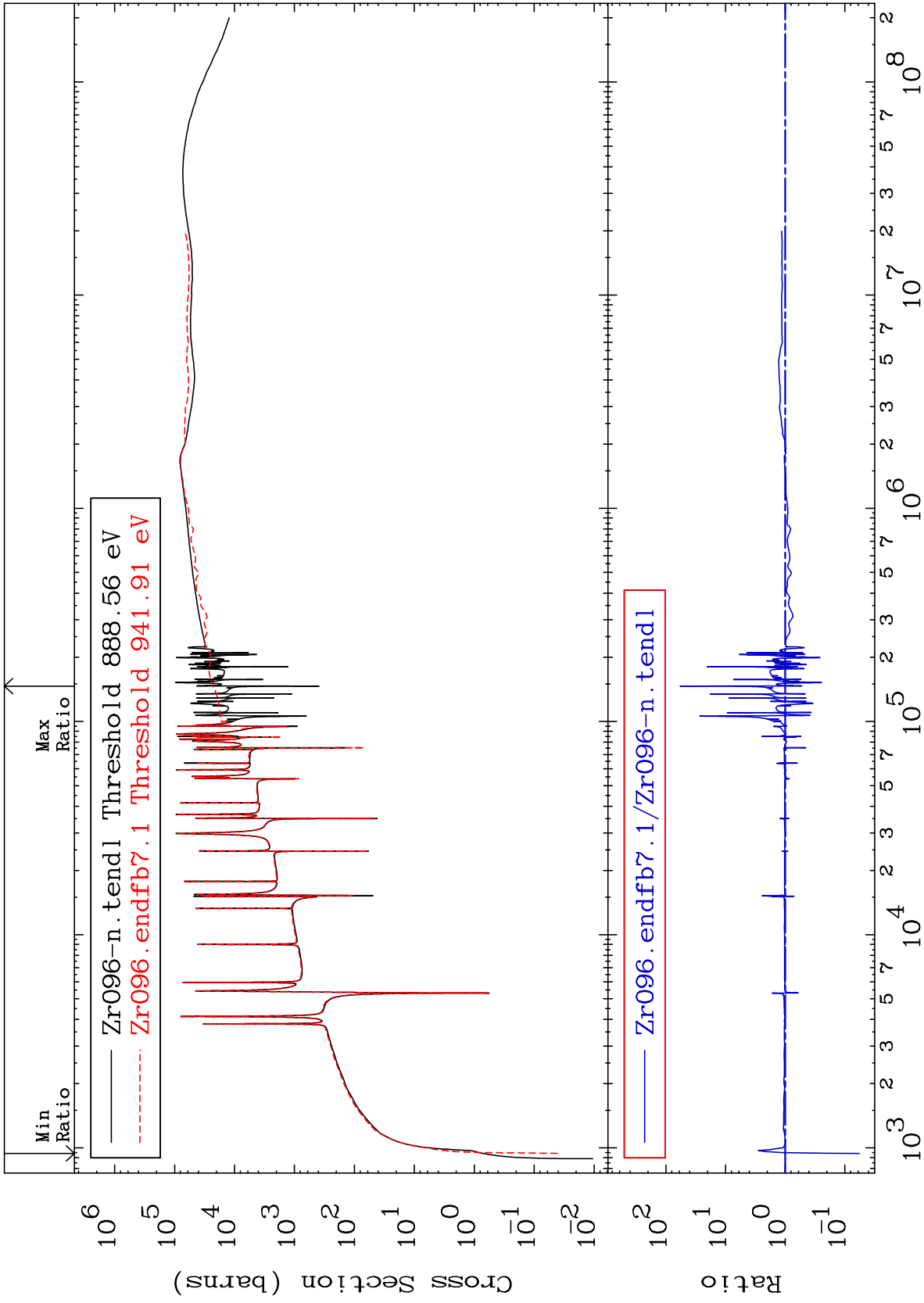
40-Zr-96
-97.62 To 5635. %



MAT 4043

Dpa elastic (mt2)
Cross Section

40-Zr-96
-94.29 To 5635. %



34

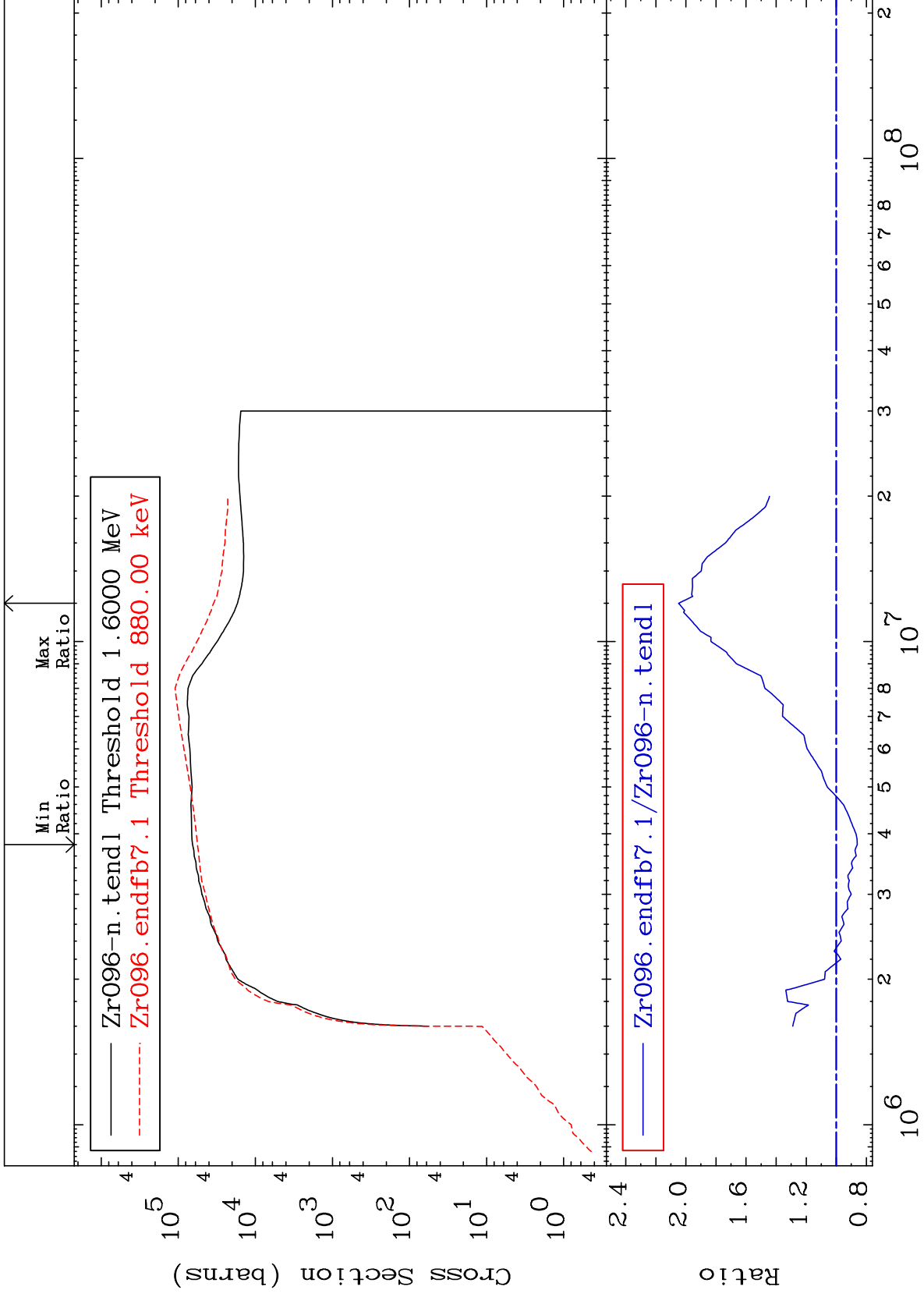
40-Zr-96

40-Zr-96

MAT 4043

Dpa inelastic (mt51-91)
Cross Section

40-Zr-96
-13.96 To 104.8 %



MAT 4043

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-96
-97.77 To 9999. %

