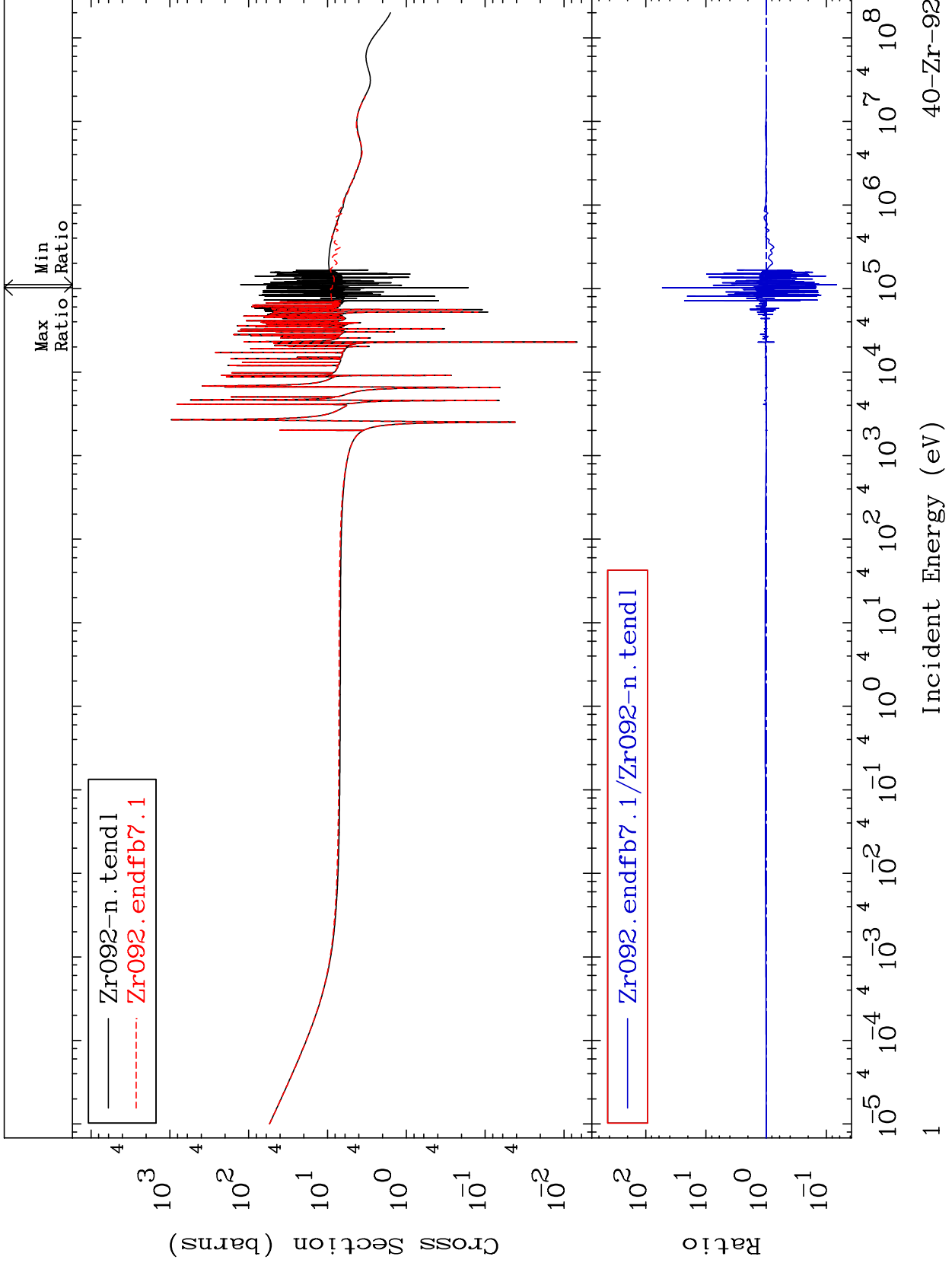


MAT 4031

Total
Cross Section

40-Zr-92
-93.25 To 5204. %



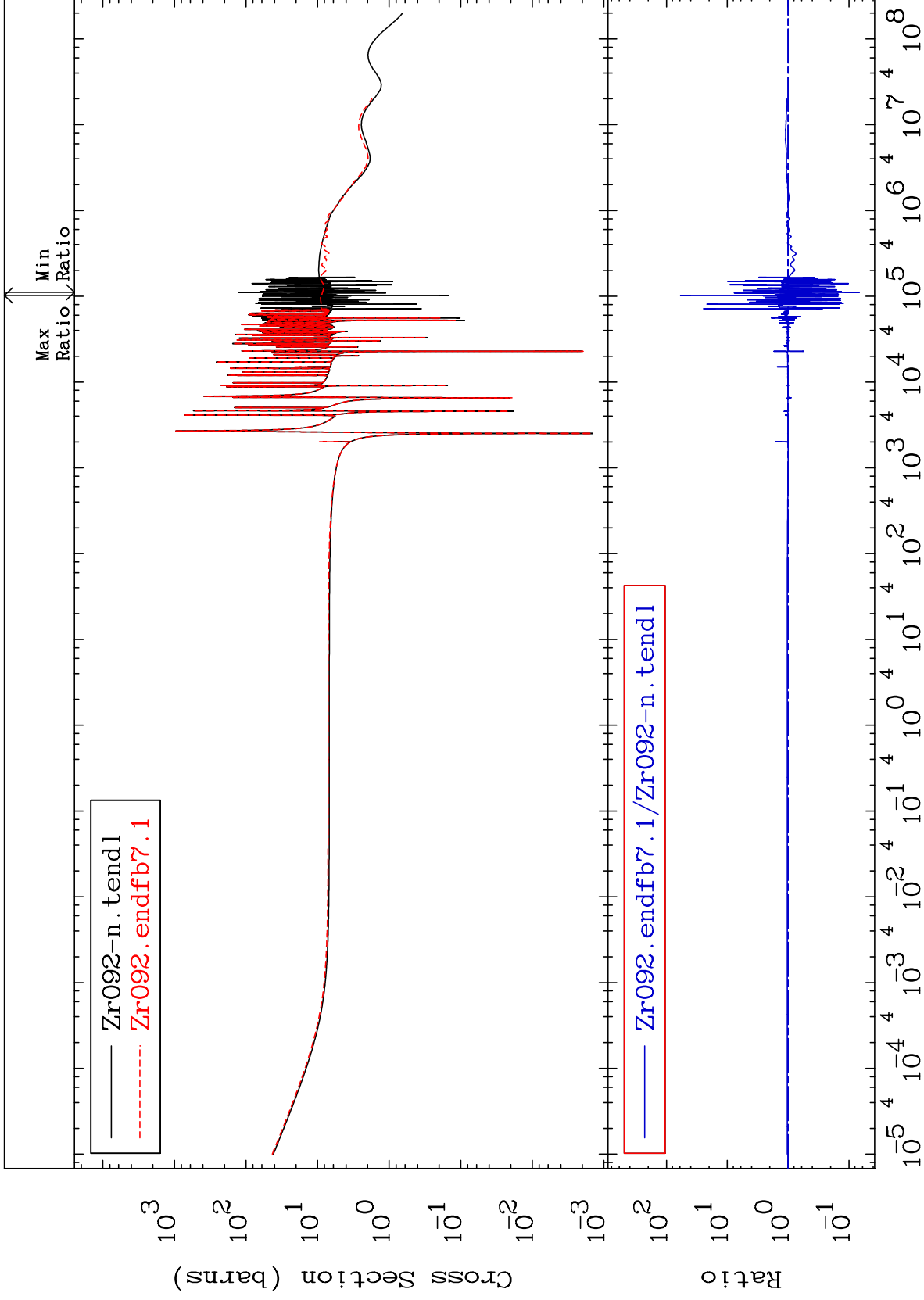
40-Zr-92

Incident Energy (eV)

MAT 4031

Elastic
Cross Section

40-Zr-92
-93.27 To 5817. %



Incident Energy (eV)

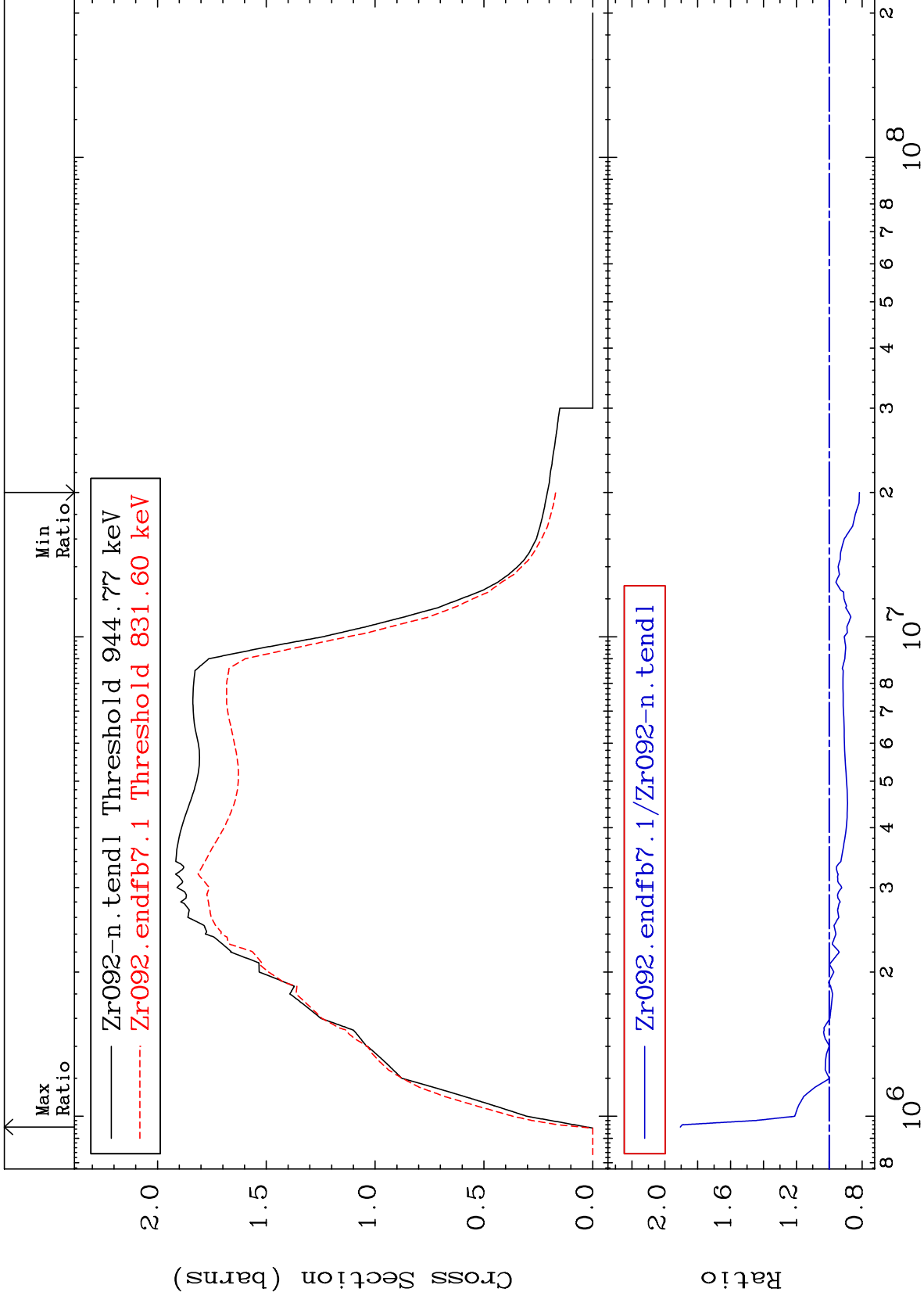
40-Zr-92

2

MAT 4031

Inelastic
Cross Section

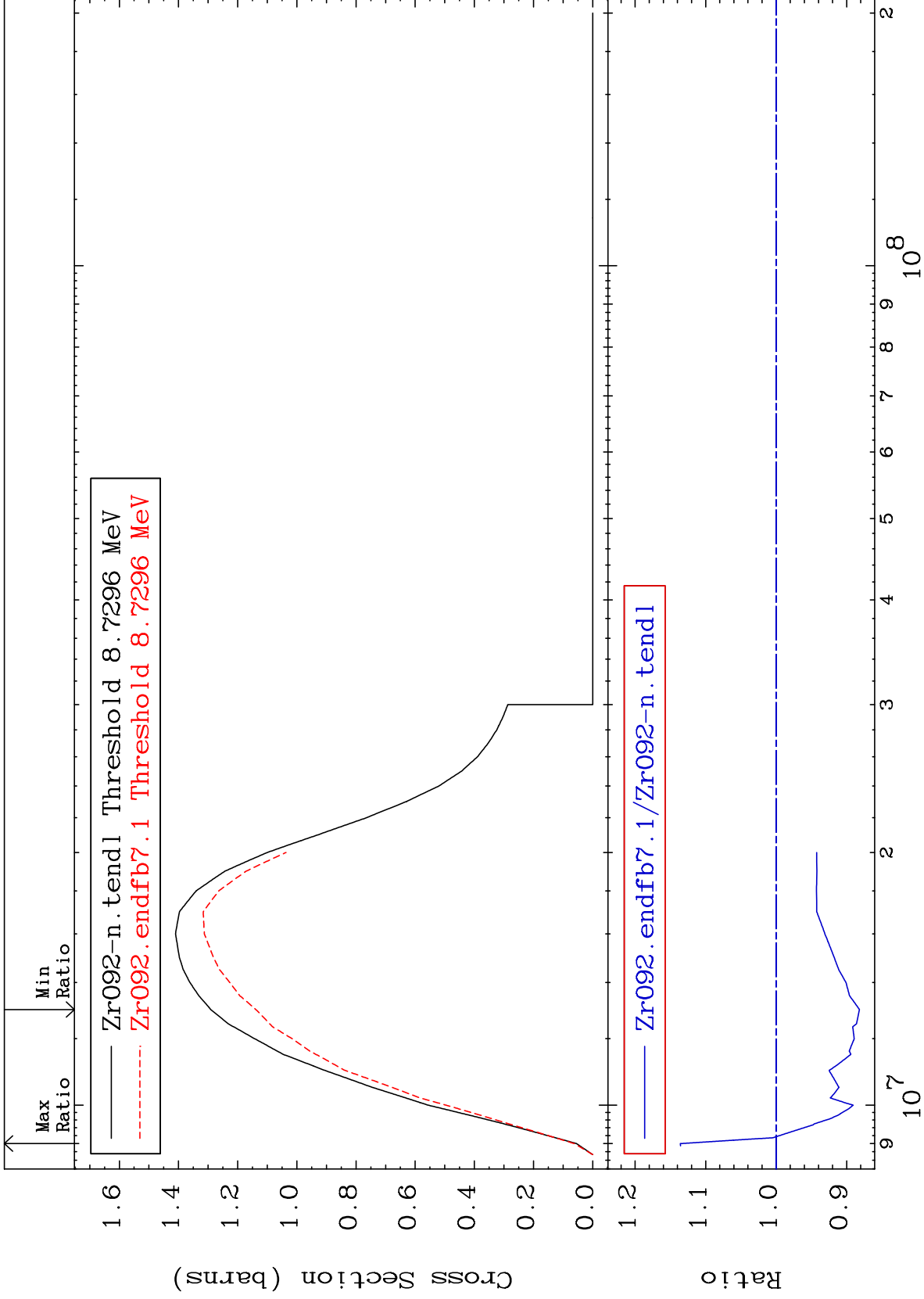
40-Zr-92
-18.35 To 90.53 %



MAT 4031

(n,2n)
Cross Section

40-Zr-92
-11.81 To 13.59 %



4

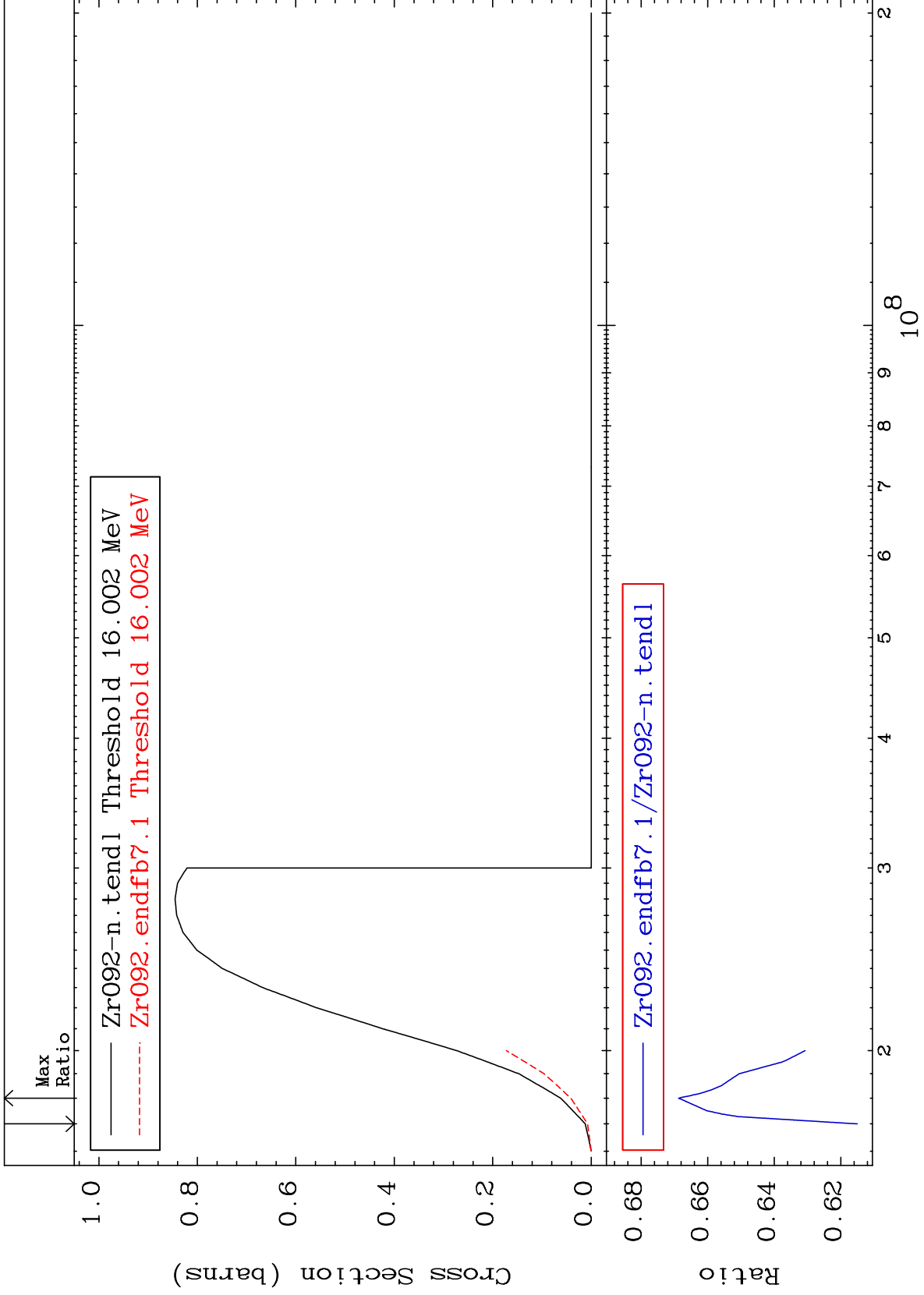
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,3n)
Cross Section

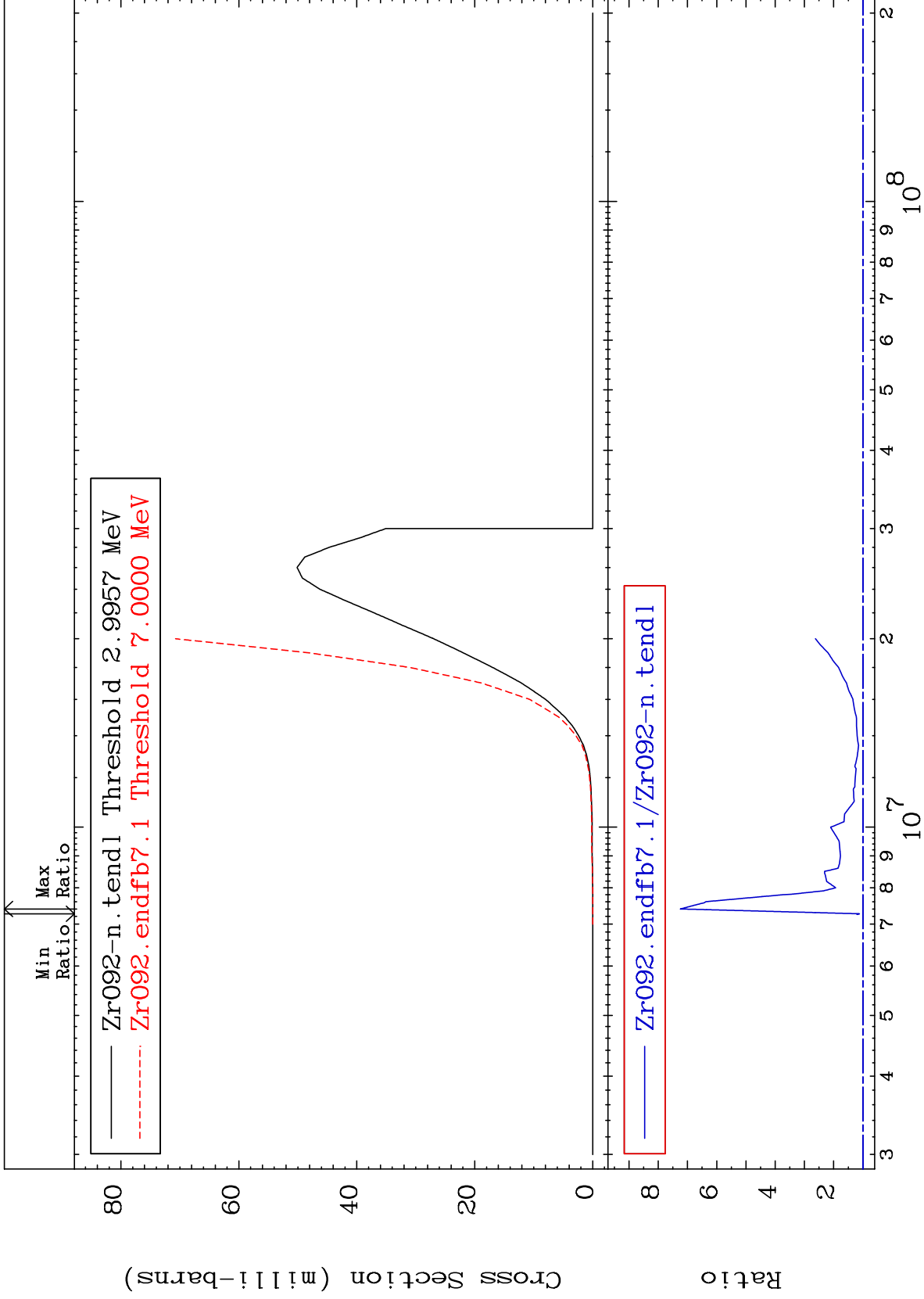
40-Zr-92
-38.49 To -33.13%



MAT 4031

(n, n') α
Cross Section

40-Zr-92
11.85 To 624.4 %



6

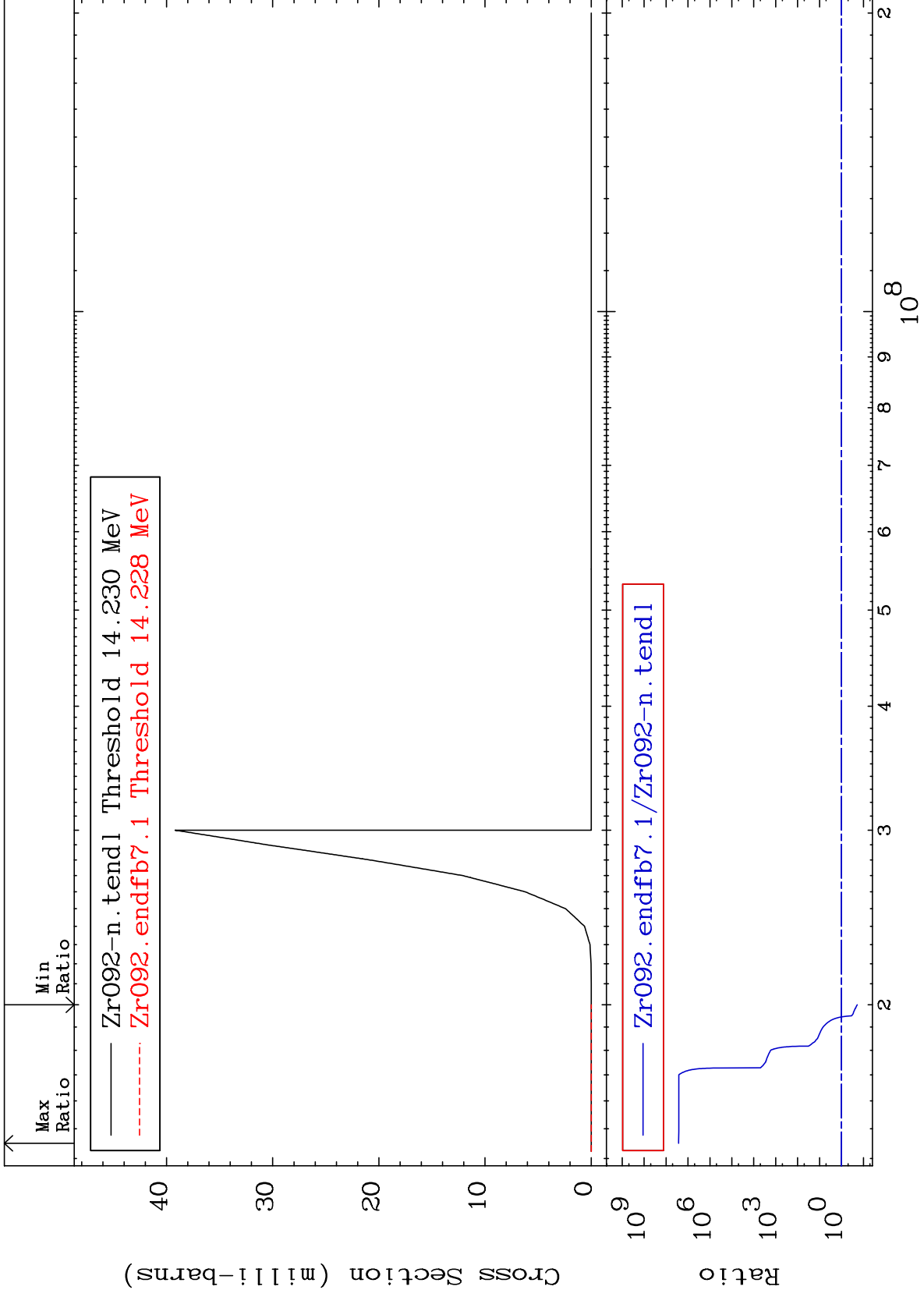
40-Zr-92

40-Zr-92

MAT 4031

(n,2n) α
Cross Section

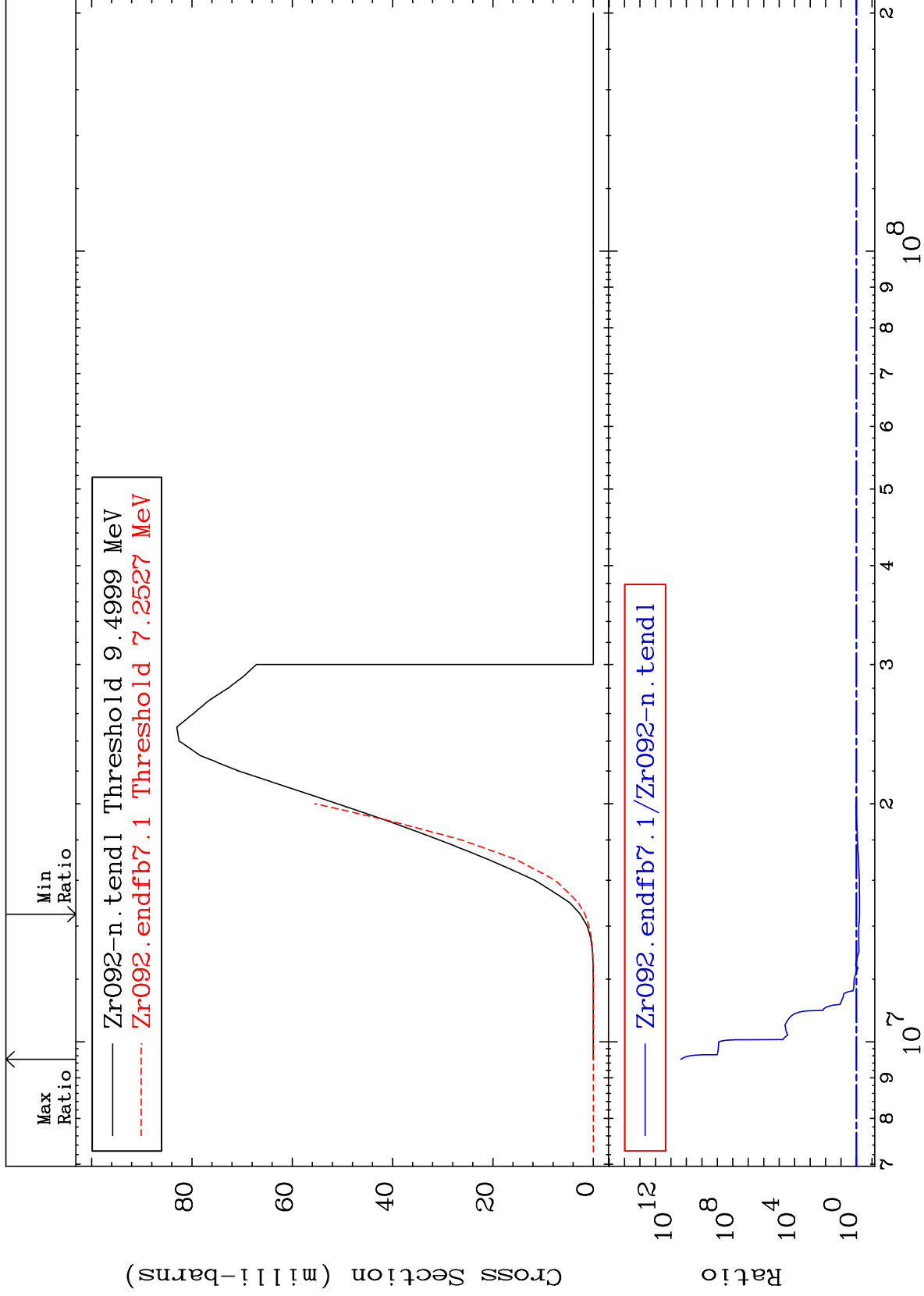
40-Zr-92
-80.95 To 9999. %



MAT 4031

(n, n') p
Cross Section

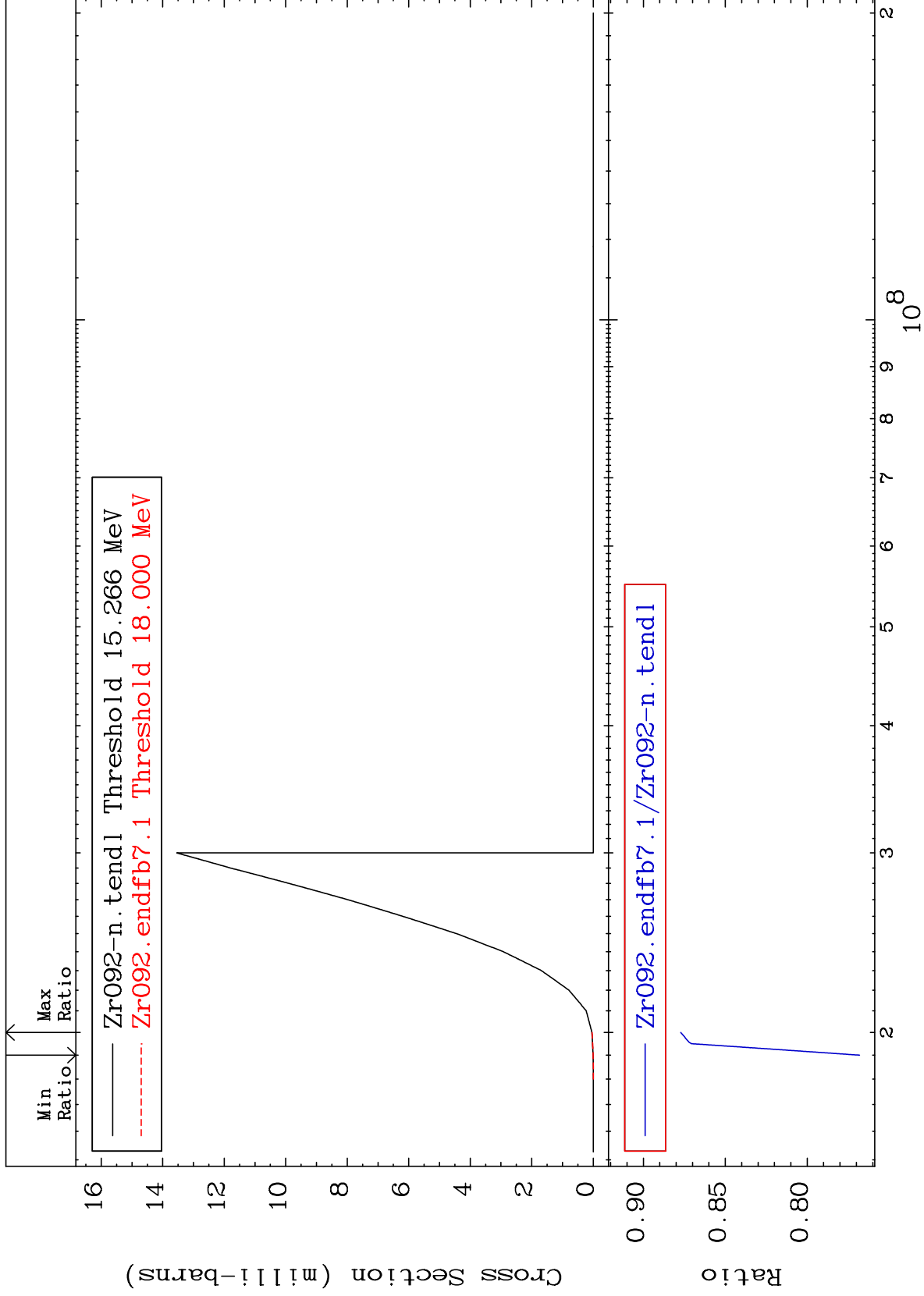
40-Zr-92
-36.29 To 9999. %



8

Incident Energy (eV)

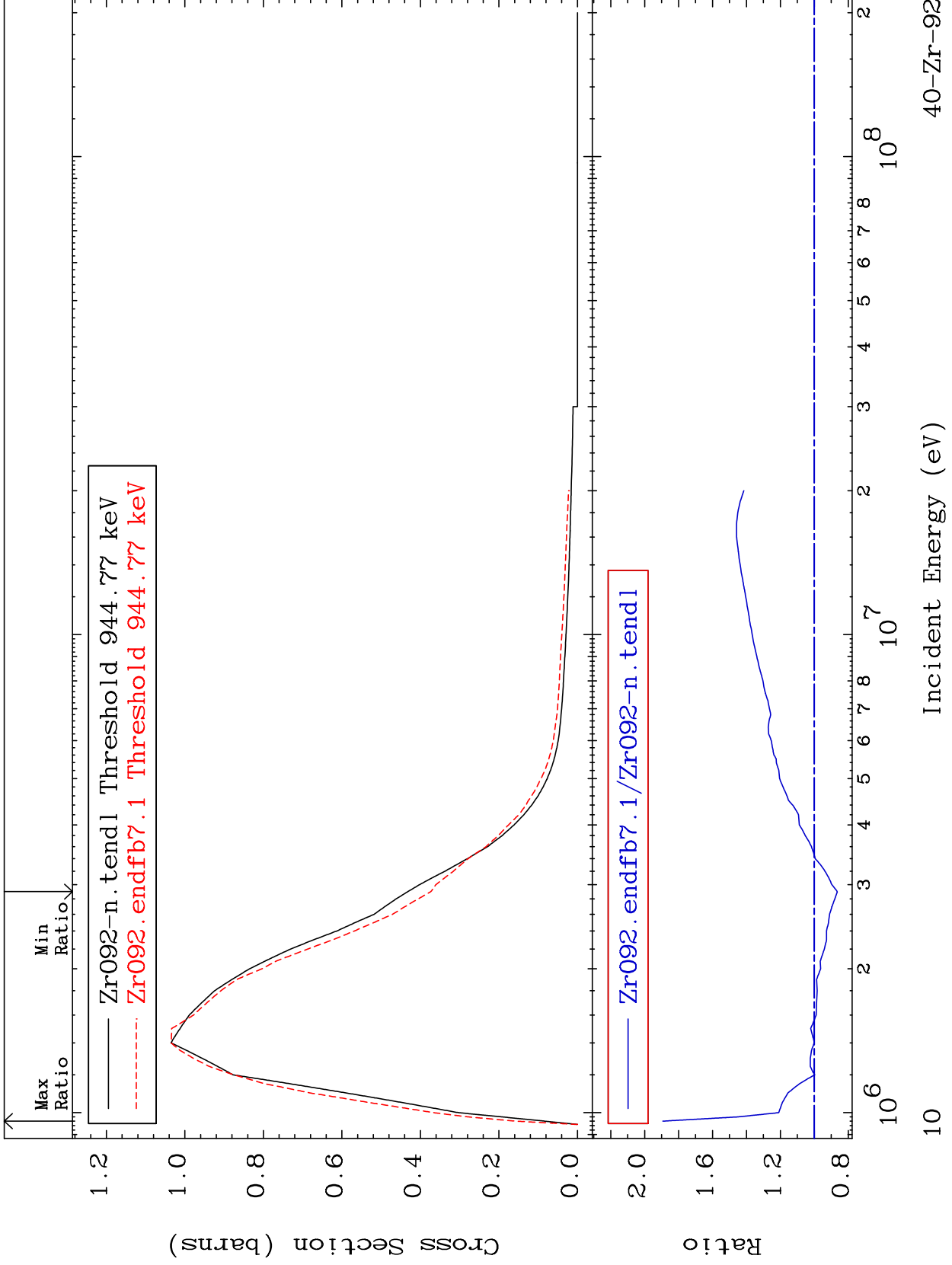
40-Zr-92



MAT 4031

934.5 keV (n,n') Level
Cross Section

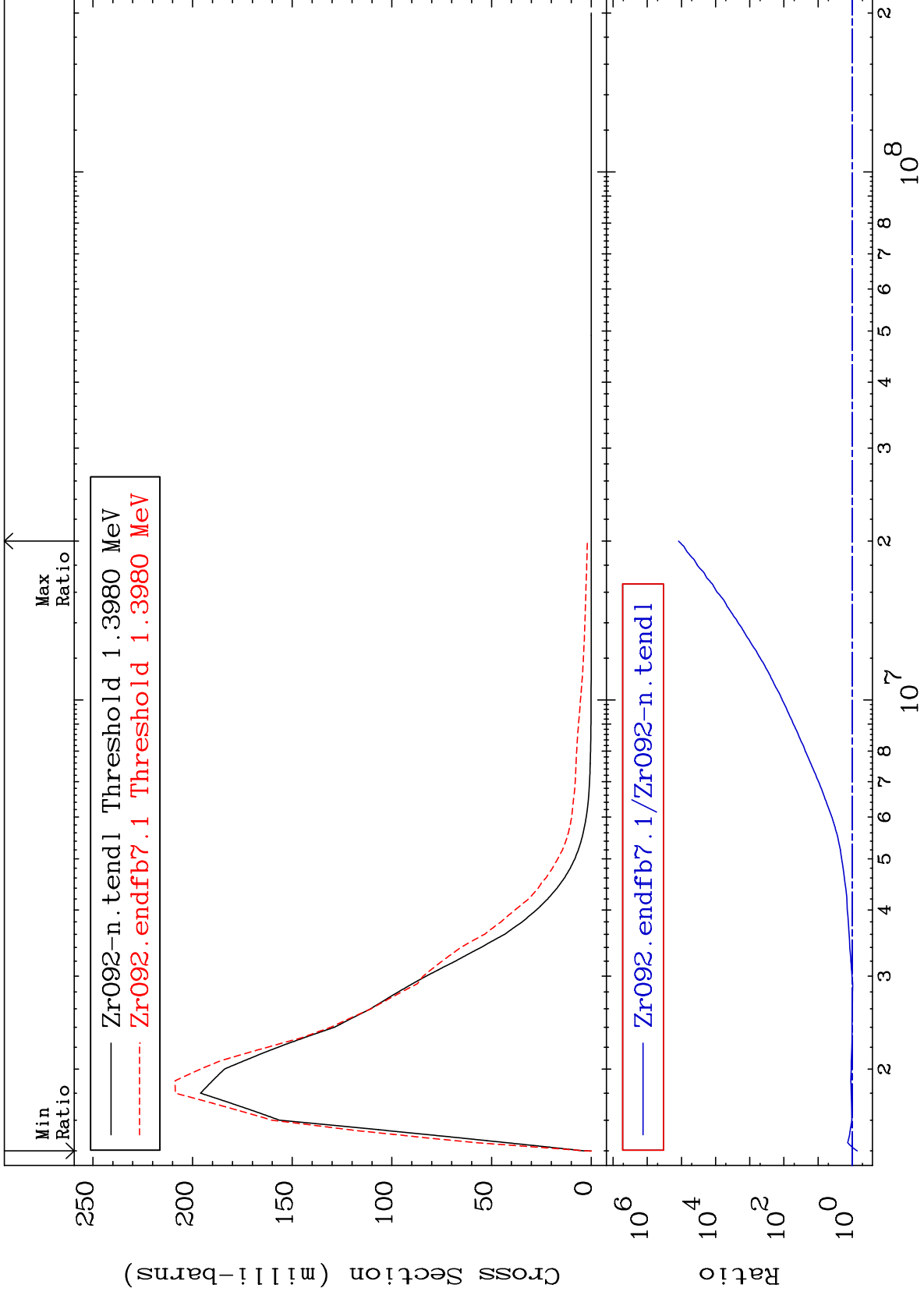
40-Zr-92
-13.59 To 89.28 %



MAT 4031

1.383 MeV (n,n') Level
Cross Section

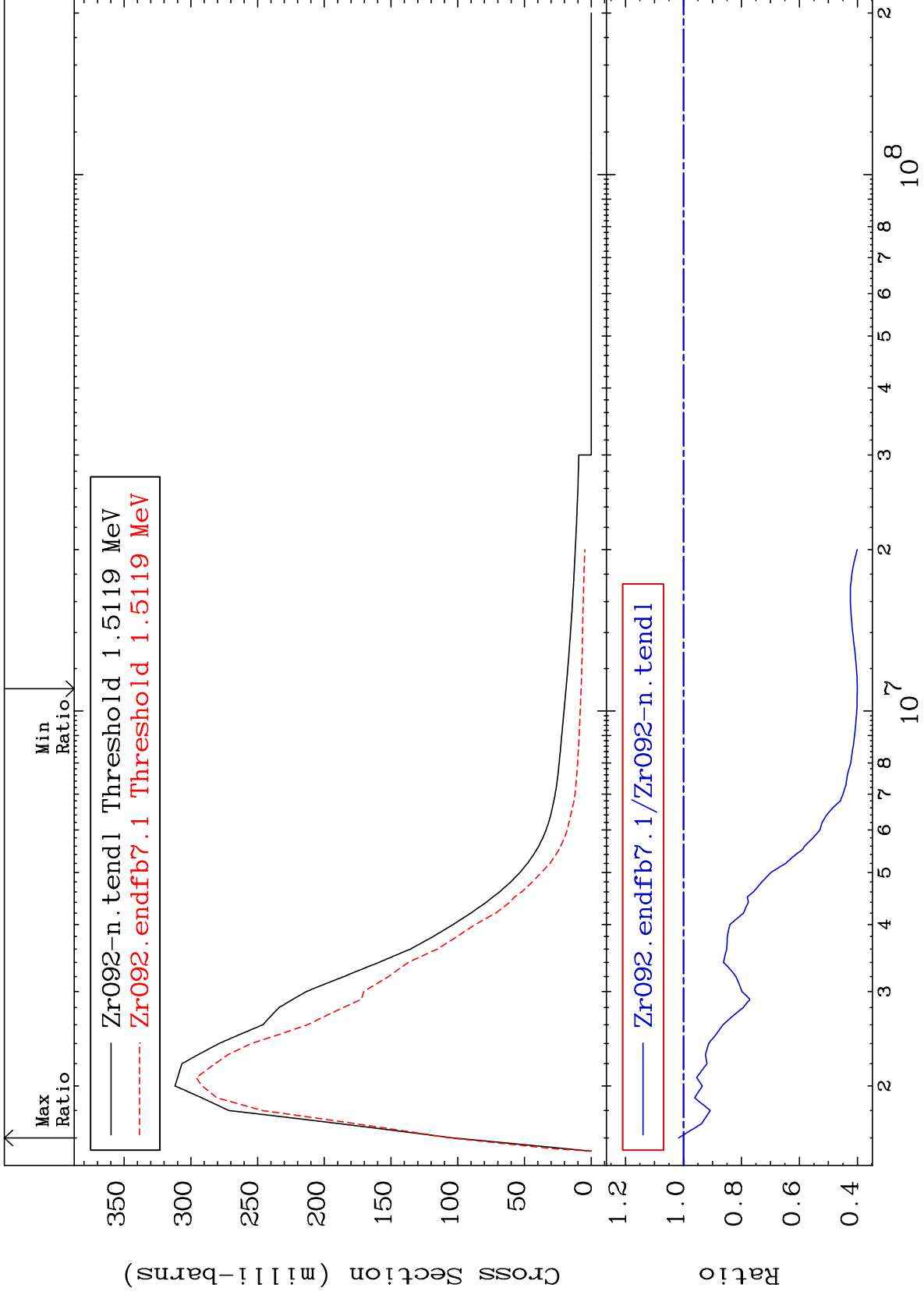
40-Zr-92
-28.67 To 9999. %



MAT 4031

1.495 MeV (n,n') Level
Cross Section

40-Zr-92
-59.95 To 1.672 %



12

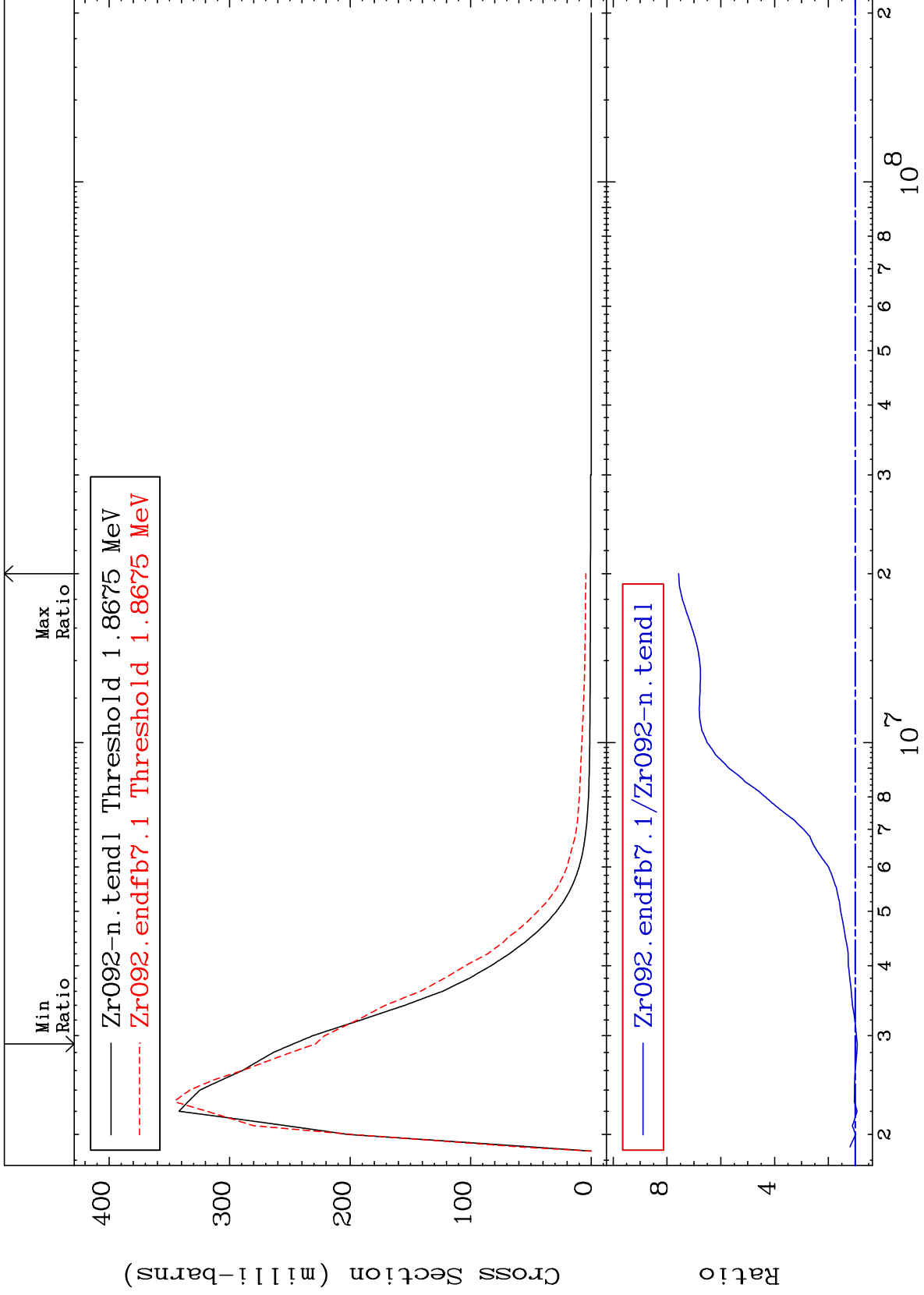
Incident Energy (eV)

40-Zr-92

MAT 4031

1.847 MeV (n,n') Level
Cross Section

40-Zr-92
-7.473 To 656.8 %



13

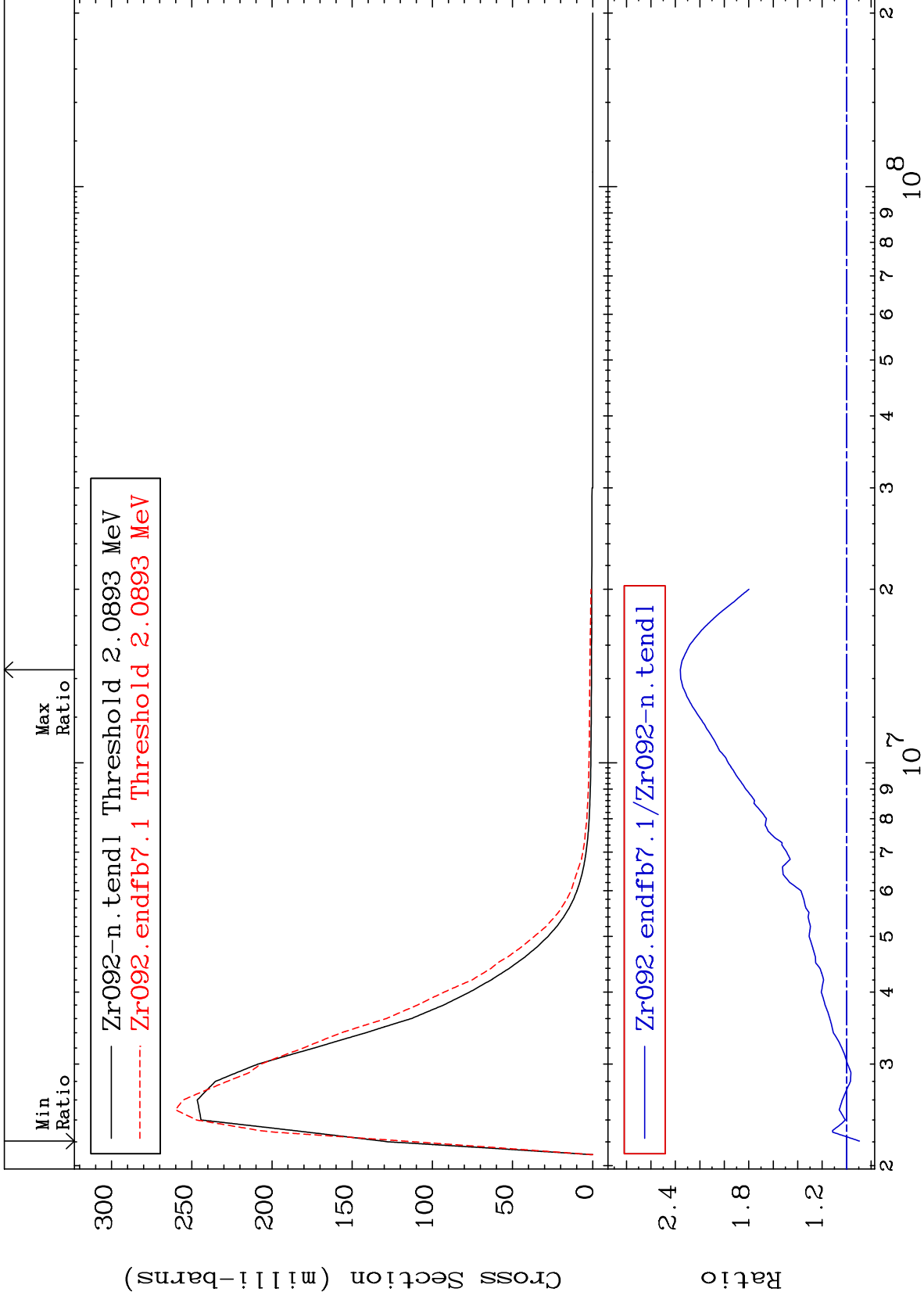
40-Zr-92

40-Zr-92

MAT 4031

2.067 MeV (n,n') Level
Cross Section

40-Zr-92
-10.43 To 135.9 %



14

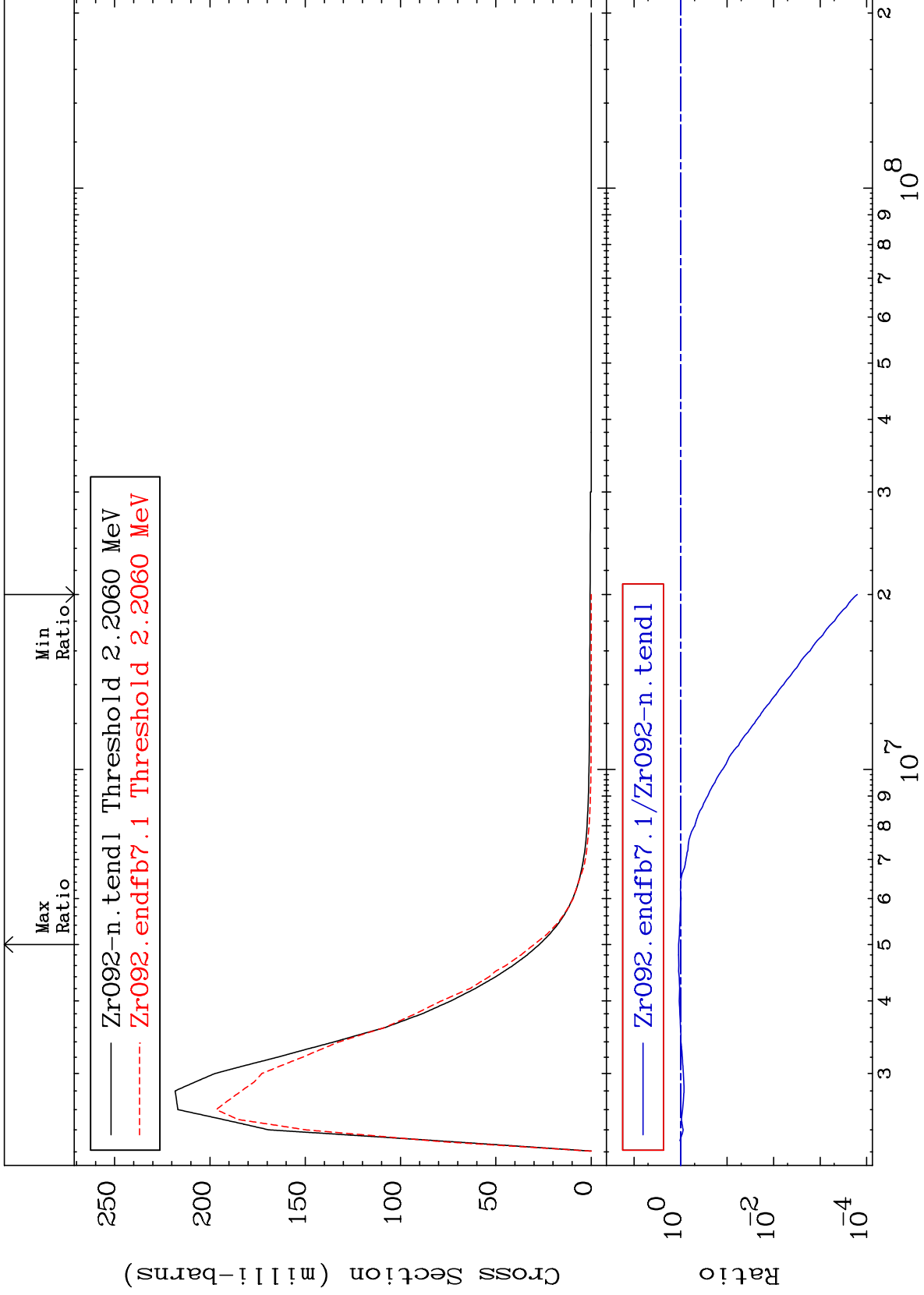
40-Zr-92

40-Zr-92

MAT 4031

2.182 MeV (n,n') Level
Cross Section

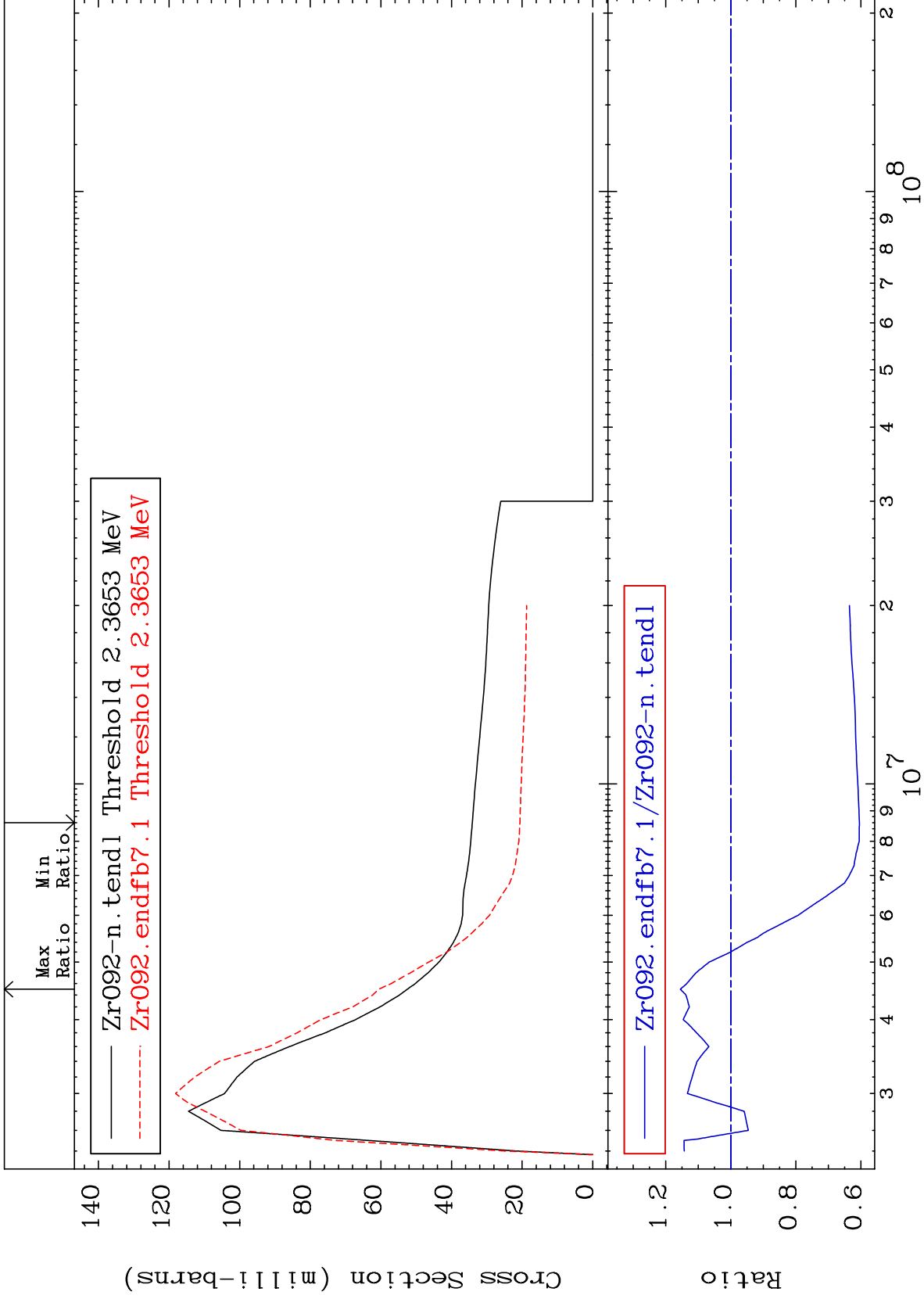
40-Zr-92
-99.98 To 10.16 %



MAT 4031

2.340 MeV (n,n') Level
Cross Section

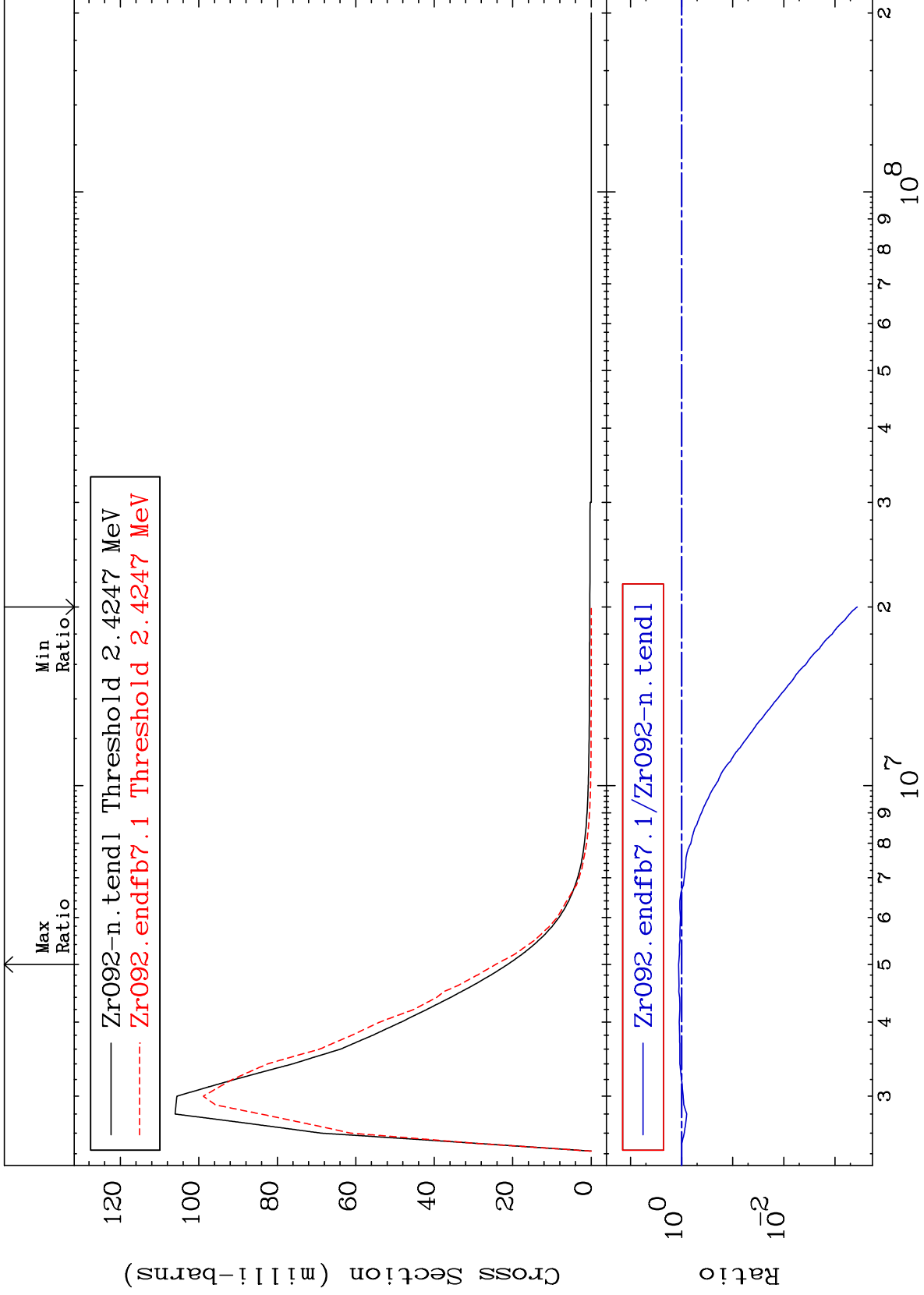
40-Zr-92
-39.53 To 15.52 %



MAT 4031

2.398 MeV (n,n') Level
Cross Section

40-Zr-92
-99.96 To 14.44 %



17

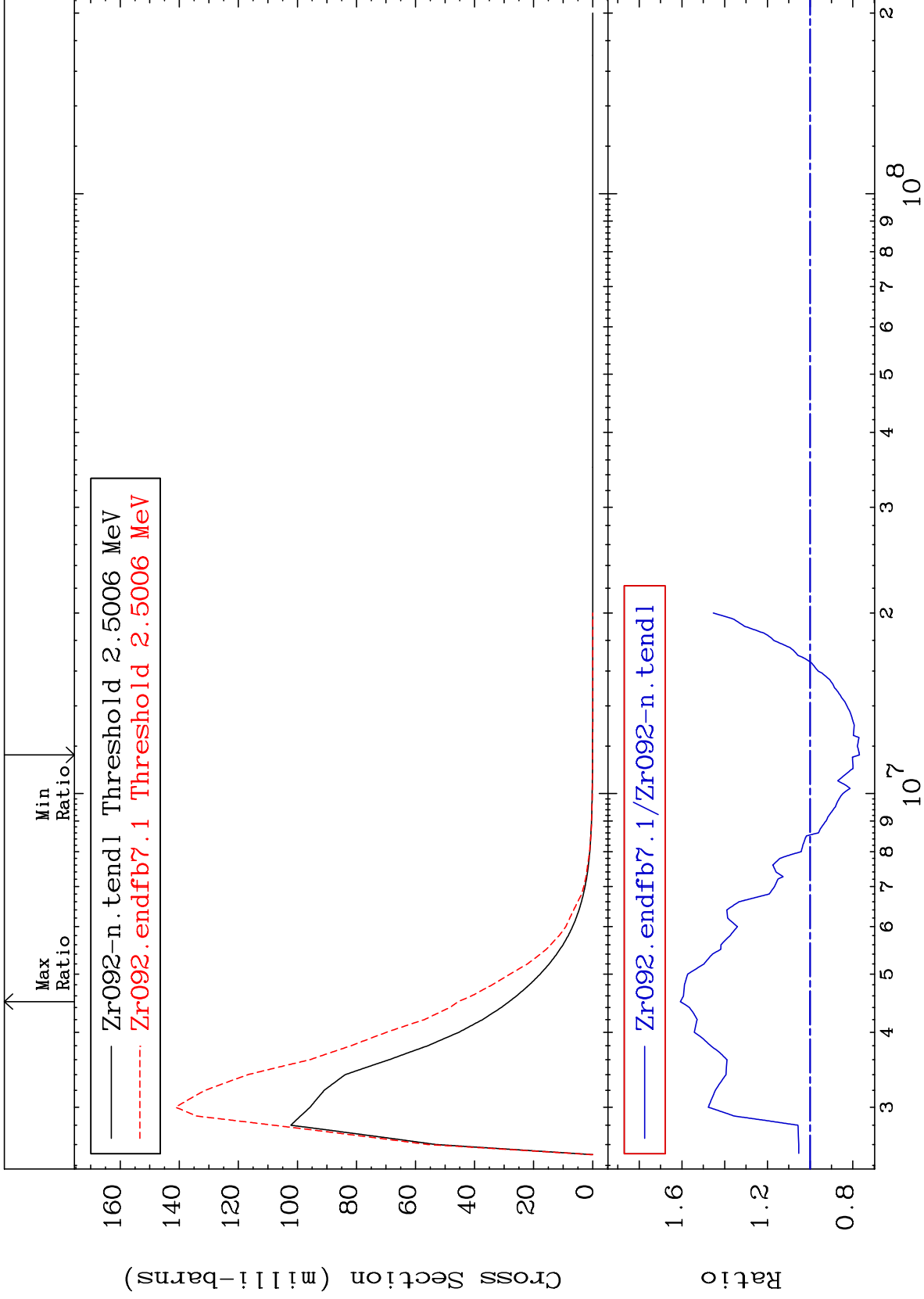
Incident Energy (eV)

40-Zr-92

MAT 4031

2.473 MeV (n,n') Level
Cross Section

40-Zr-92
-23.08 To 60.73 %



Ratio

Zr092.endfb7.1/Zr092-n.tendl

18

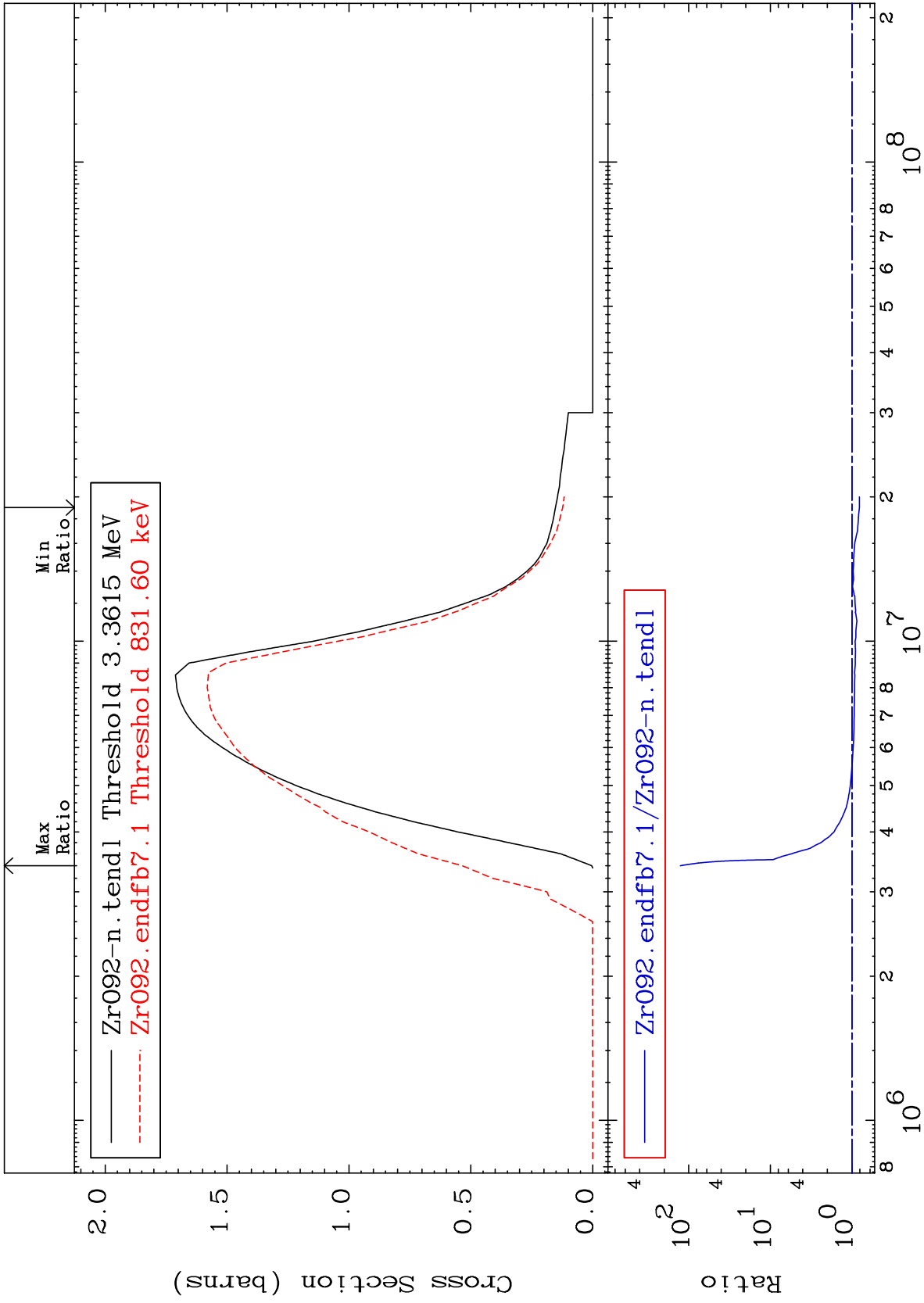
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') Continuum
Cross Section

40-Zr-92
-19.20 To 9999. %



19

40-Zr-92

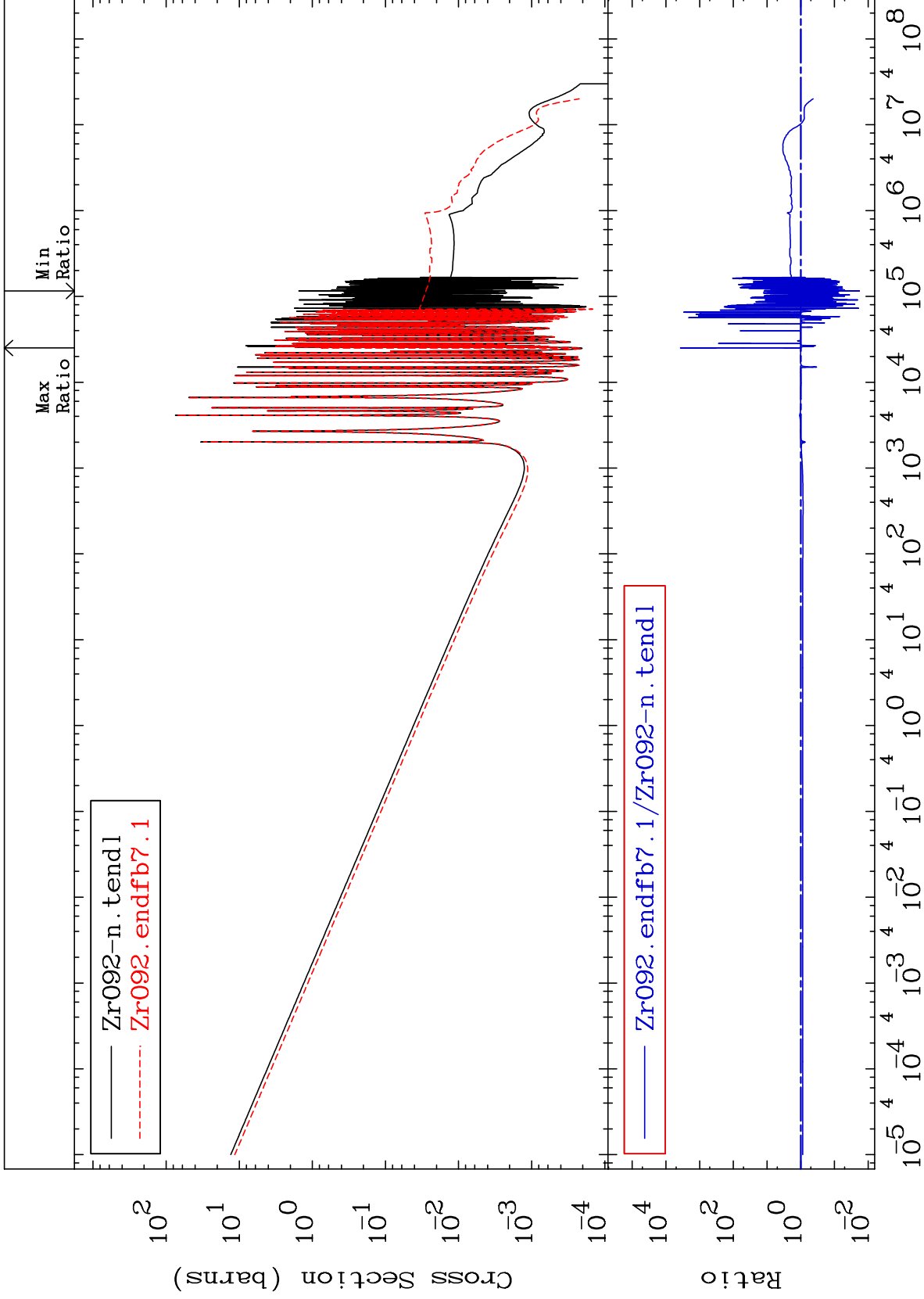
MAT 4031

(n, γ)

Cross Section

40-Zr-92

-98.18 To 9999. %



20

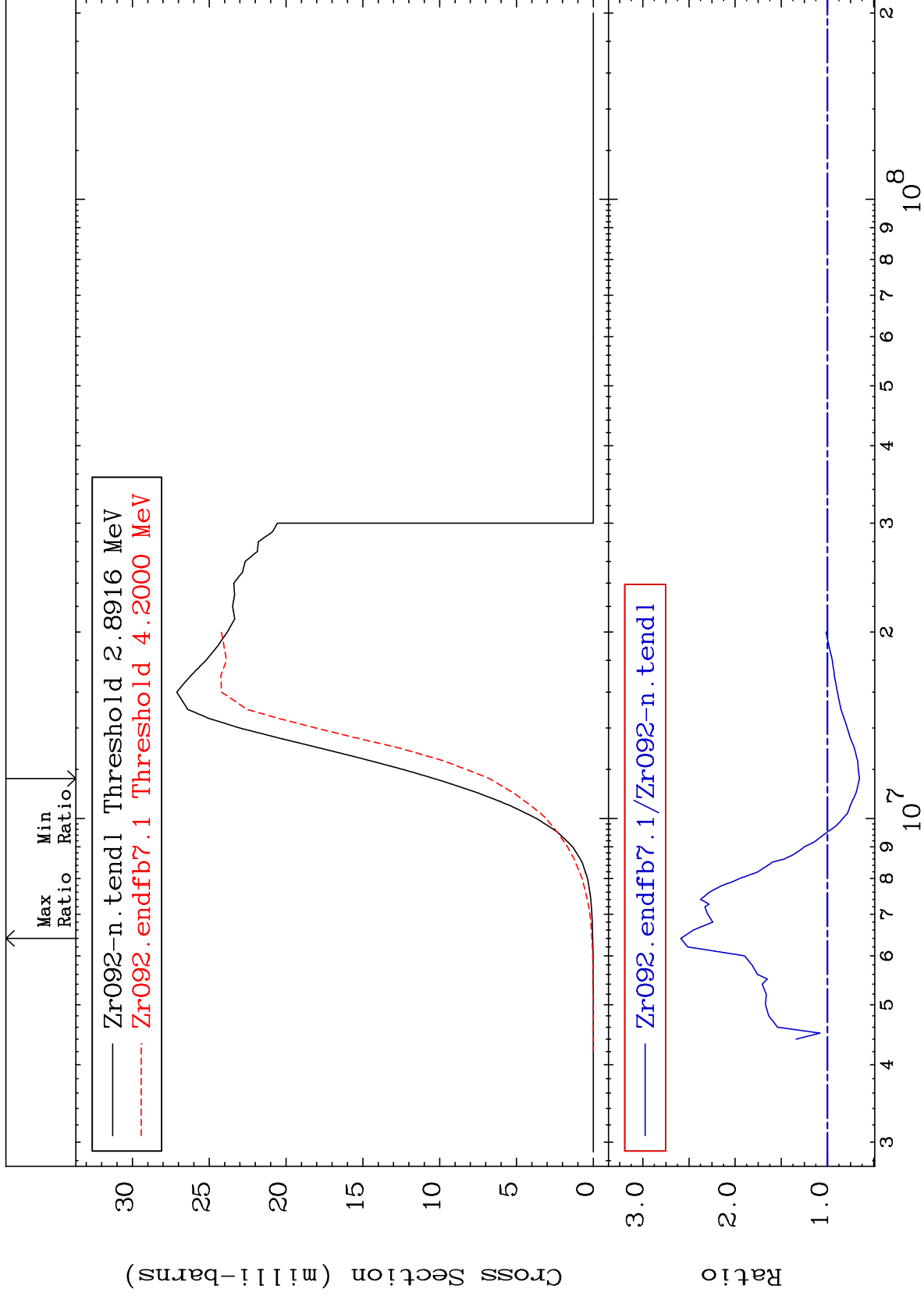
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,p)
Cross Section

40-Zr-92
-34.74 To 158.9 %



21

40-Zr-92

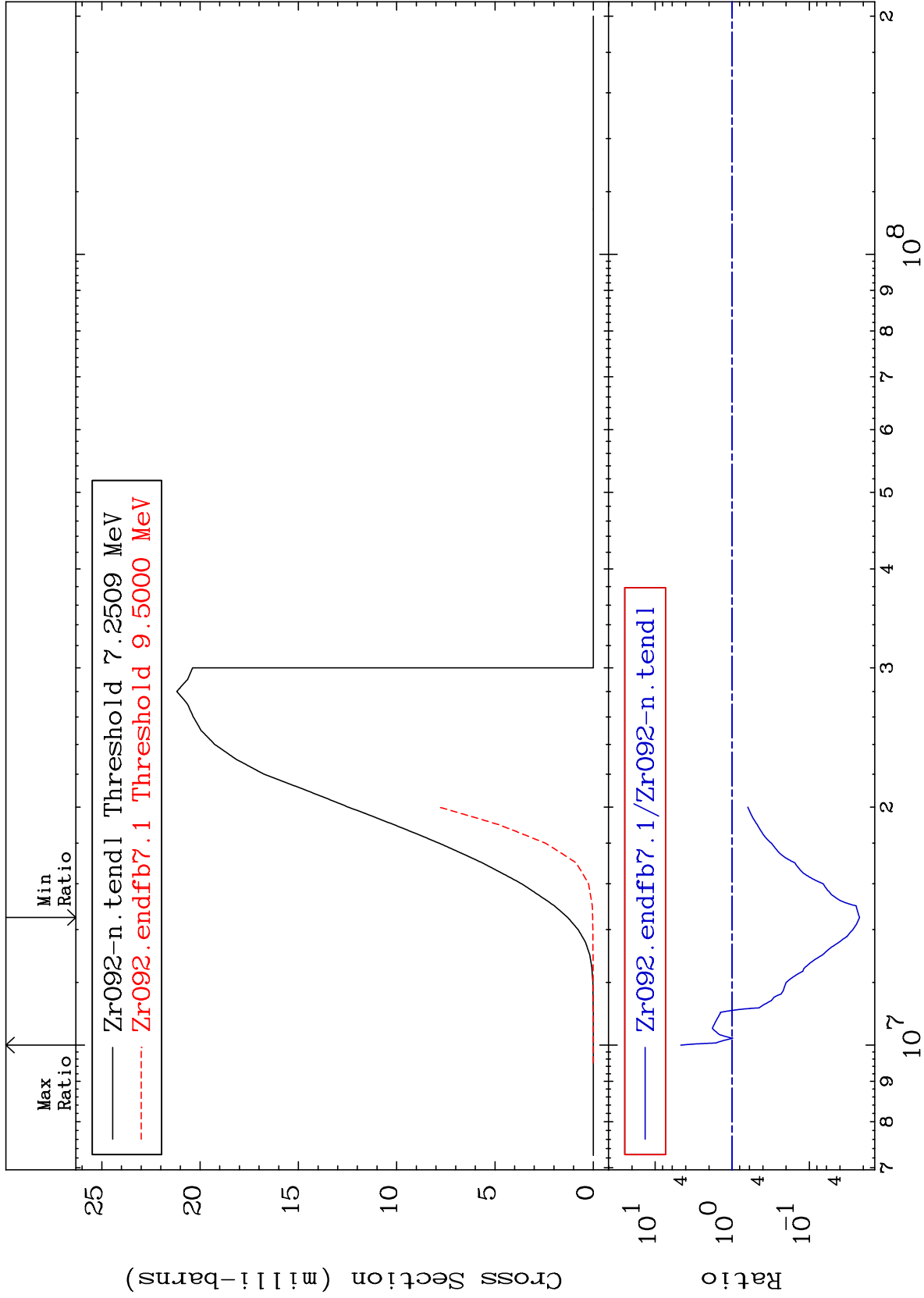
MAT 4031

(n, d)

40-Zr-92

Cross Section

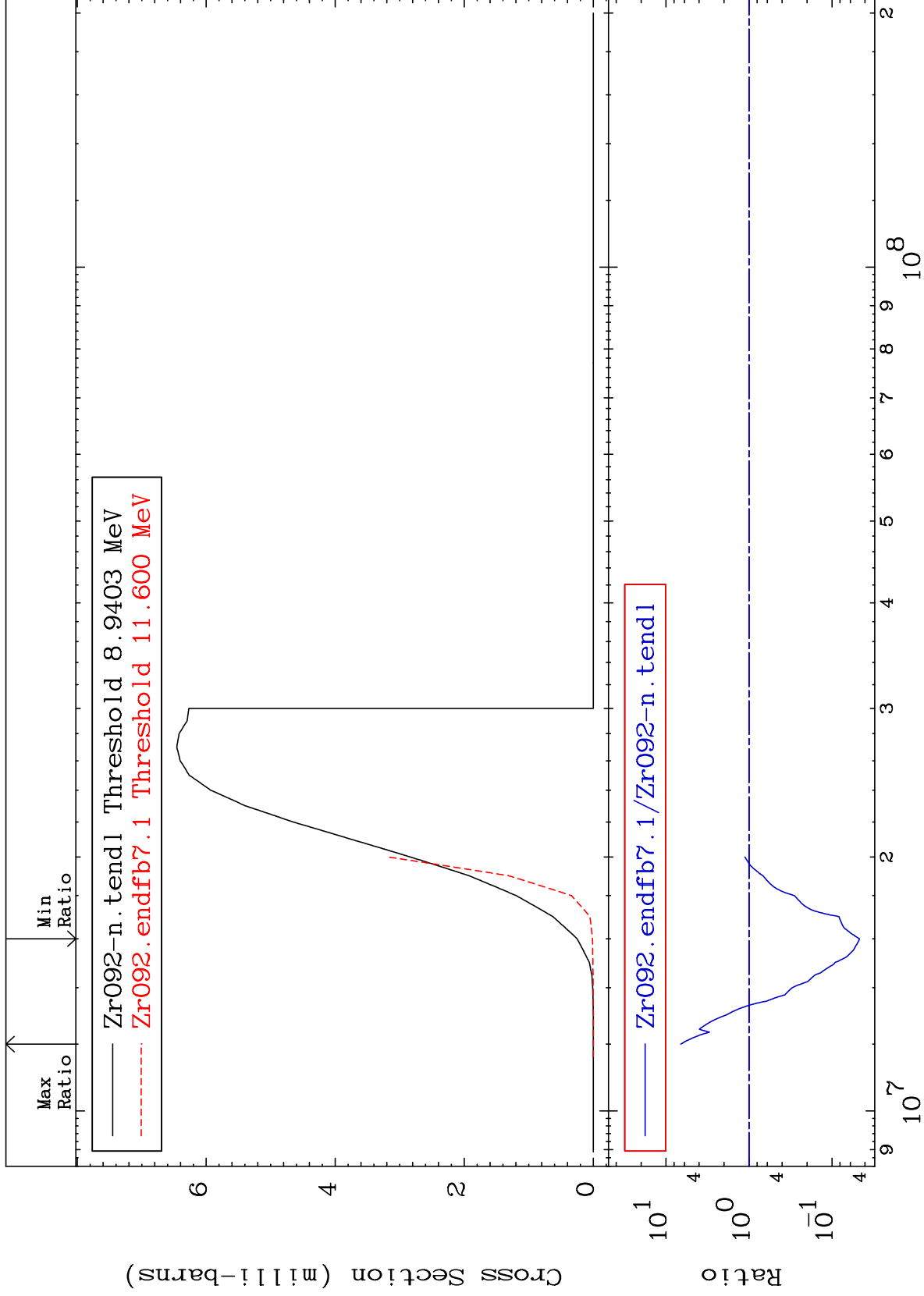
-97.777 To 365.0 %



MAT 4031

(n, t)
Cross Section

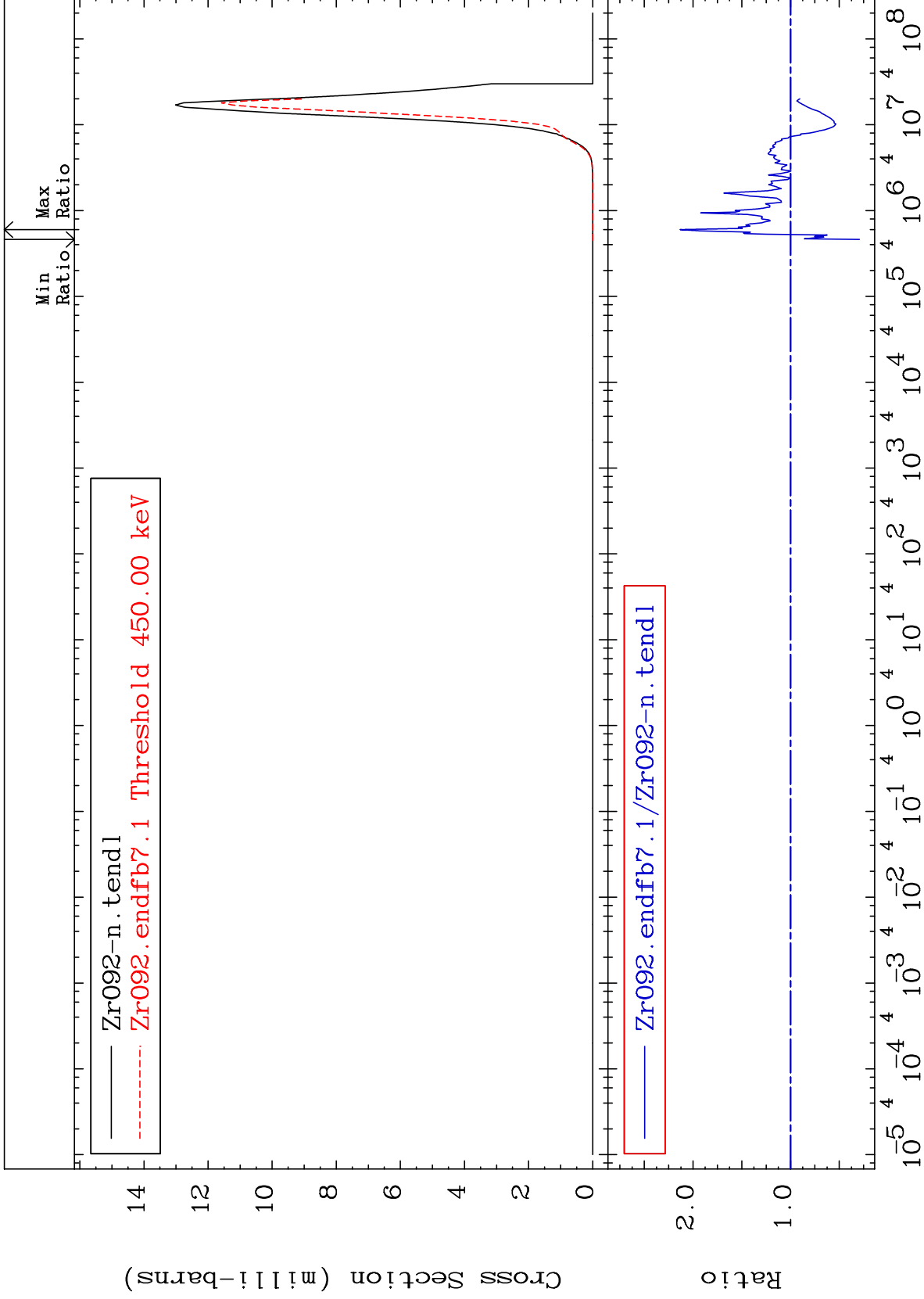
40-Zr-92
-95.35 To 564.5 %



MAT 4031

(n, α)
Cross Section

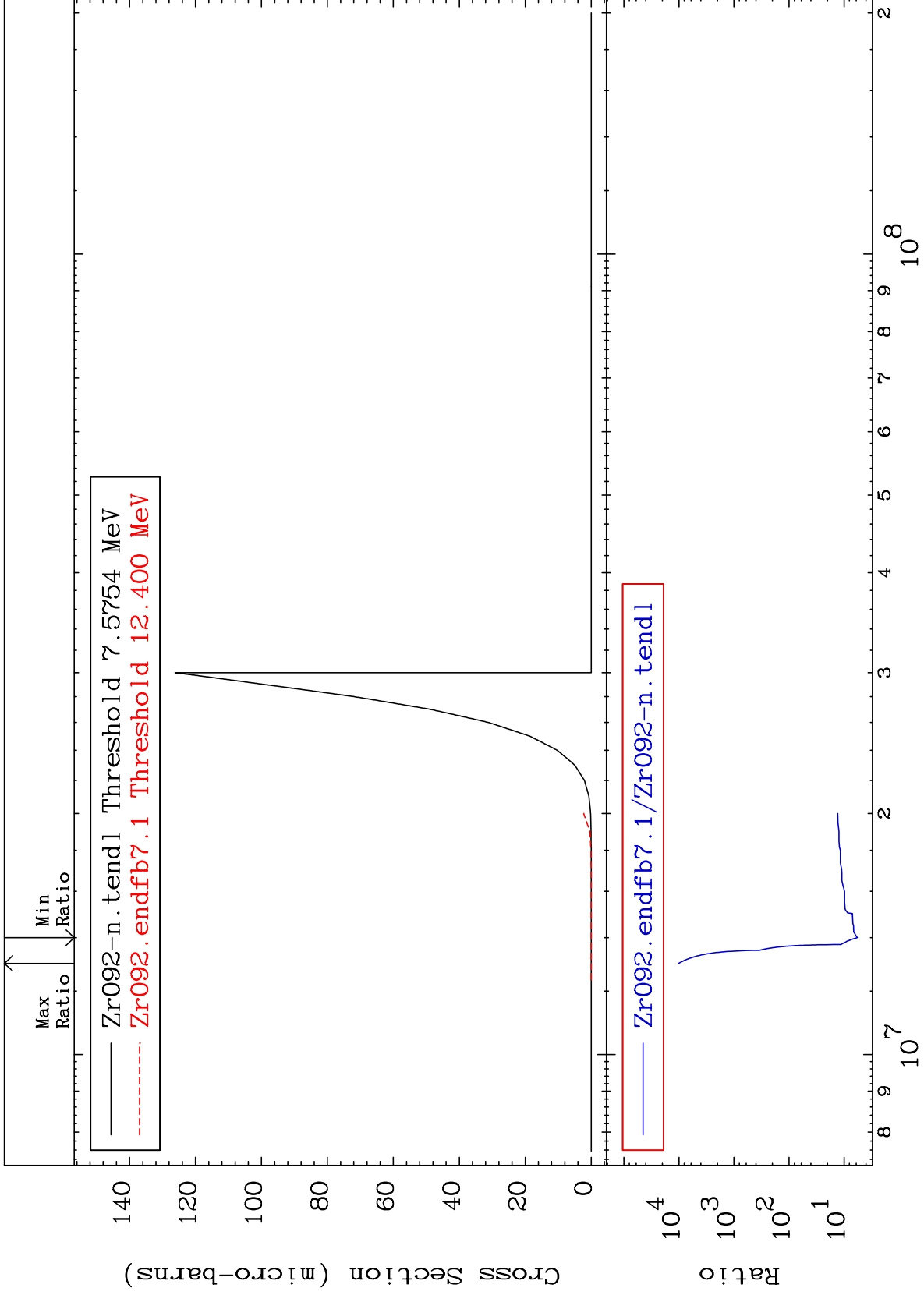
40-Zr-92
-70.67 To 113.0 %



MAT 4031

(n,p) α
Cross Section

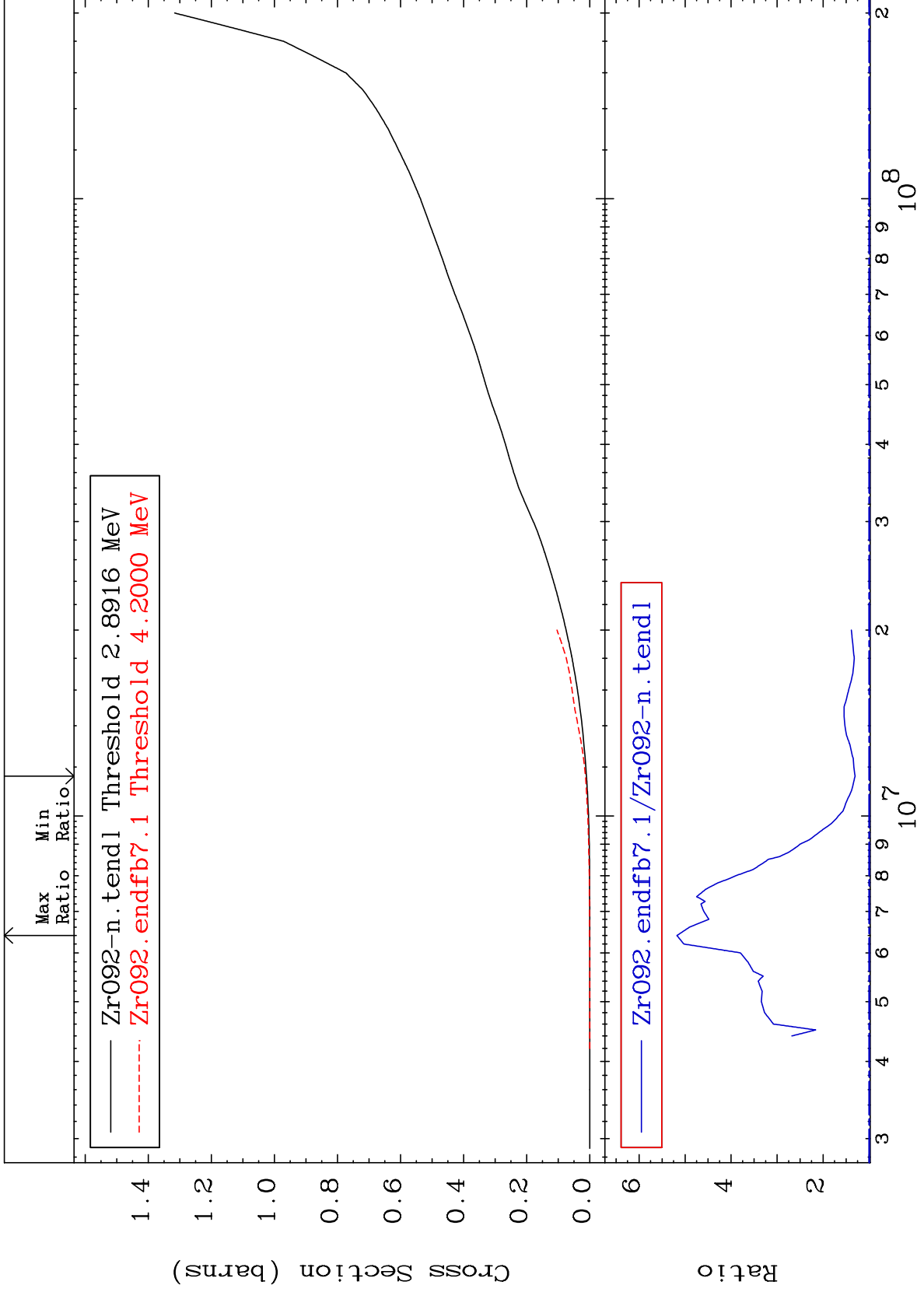
40-Zr-92
476.0 To 9999. %



MAT 4031

Hydrogen Production
Cross Section

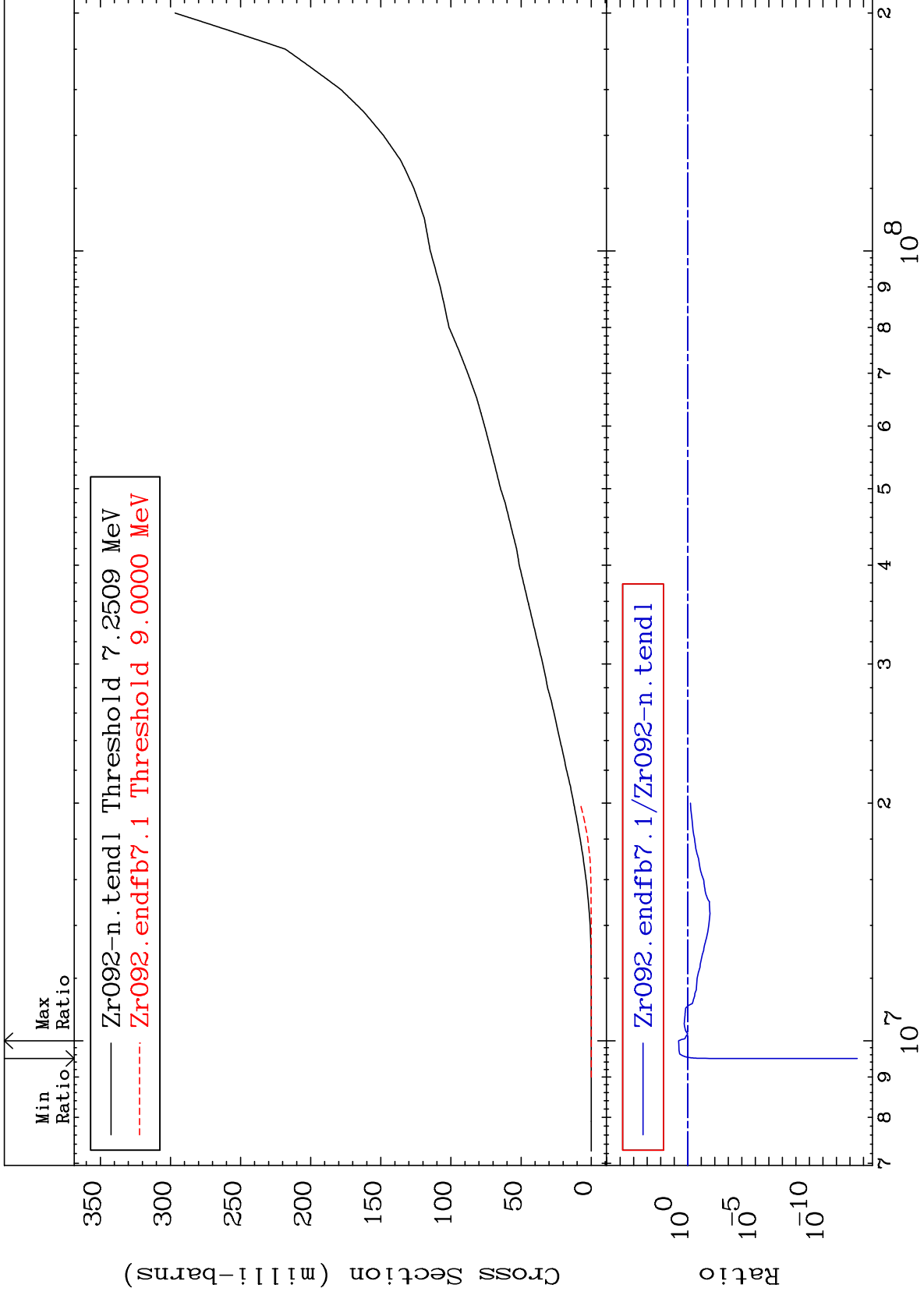
40-Zr-92
30.52 To 417.7 %



MAT 4031

Deuterium Production
Cross Section

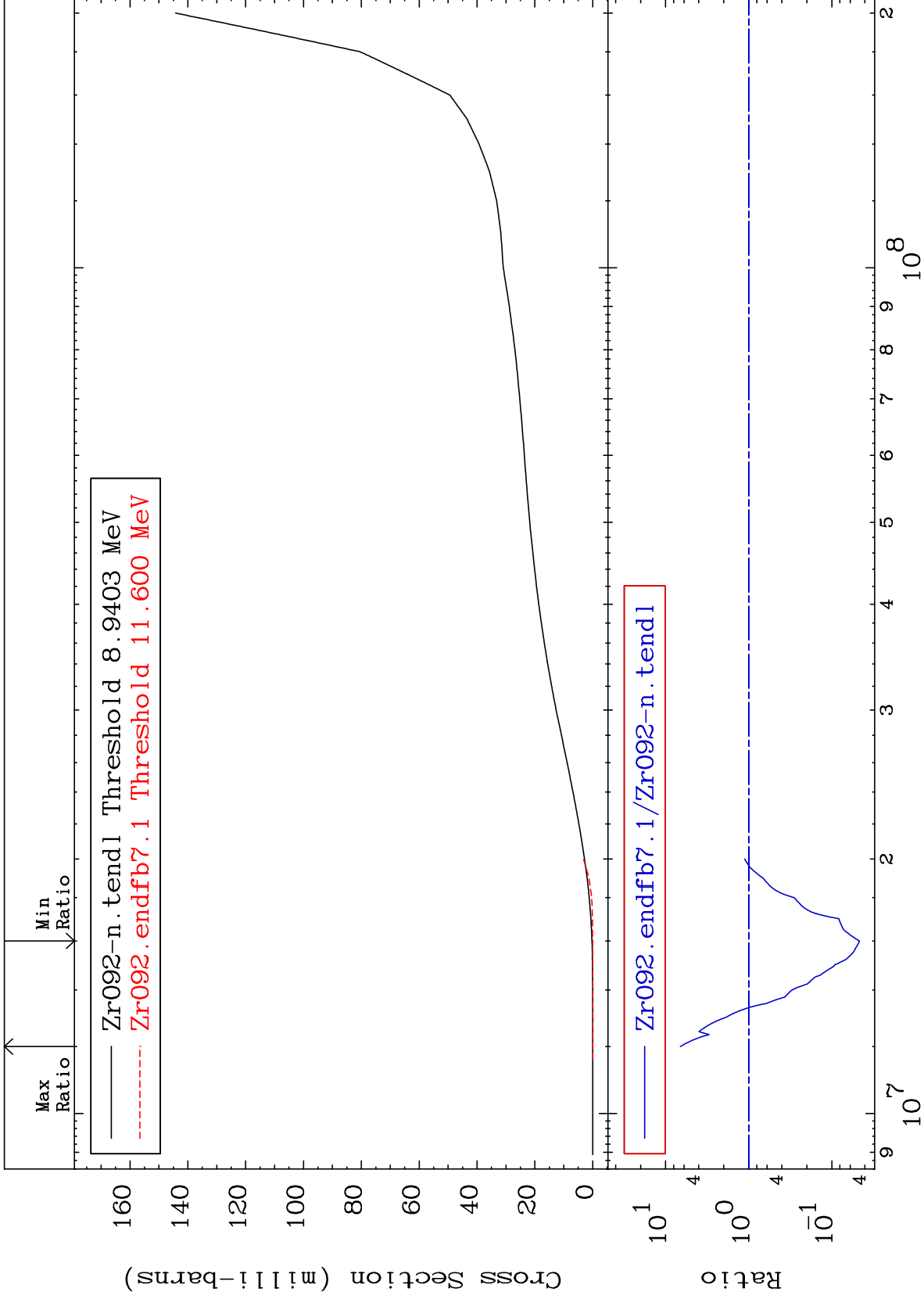
40-Zr-92
-100.0 To 365.0 %



MAT 4031

Tritium Production
Cross Section

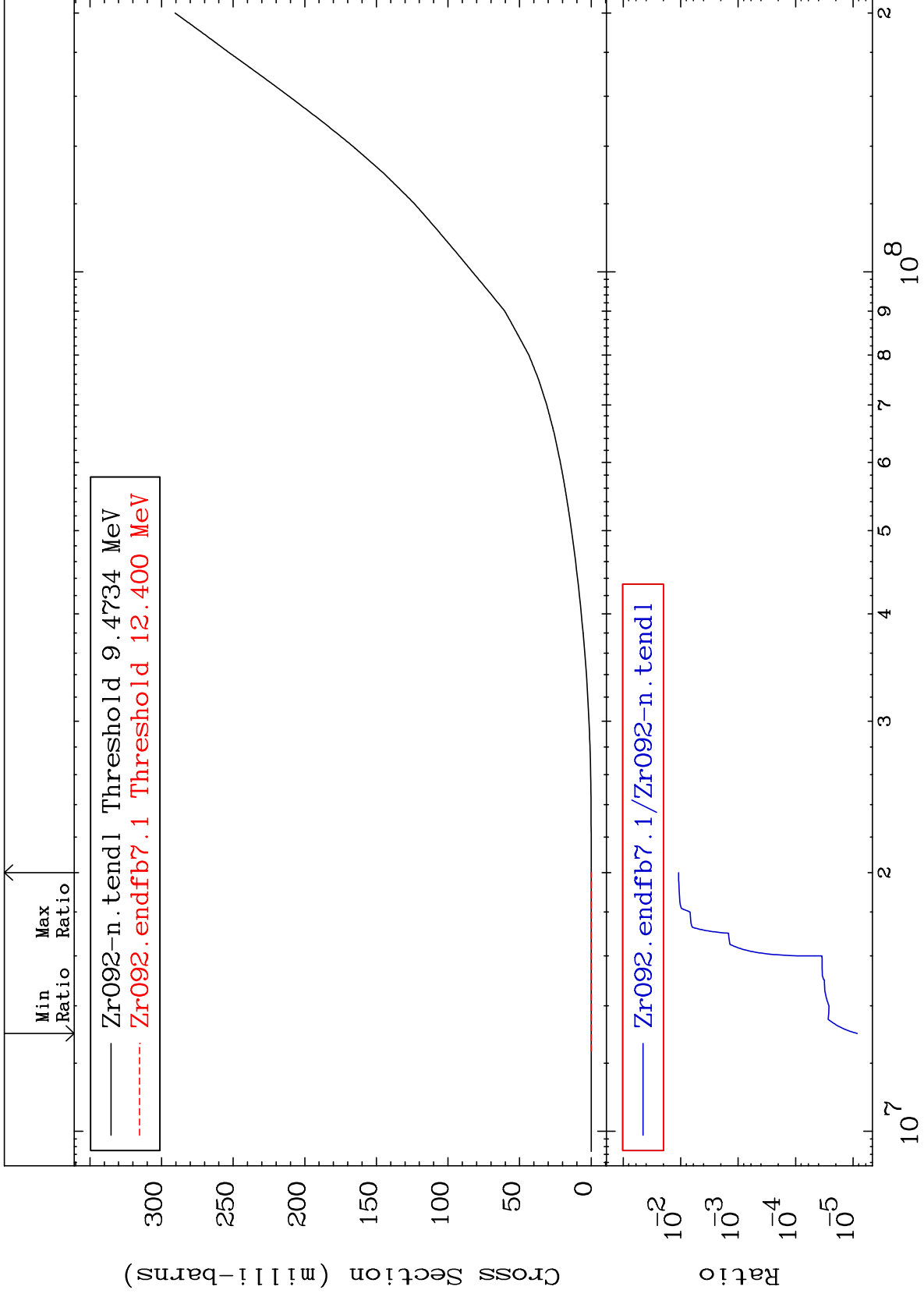
40-Zr-92
-95.35 To 564.5 %



MAT 4031

He-3 Production
Cross Section

40-Zr-92
-100.0 To -98.92%



29

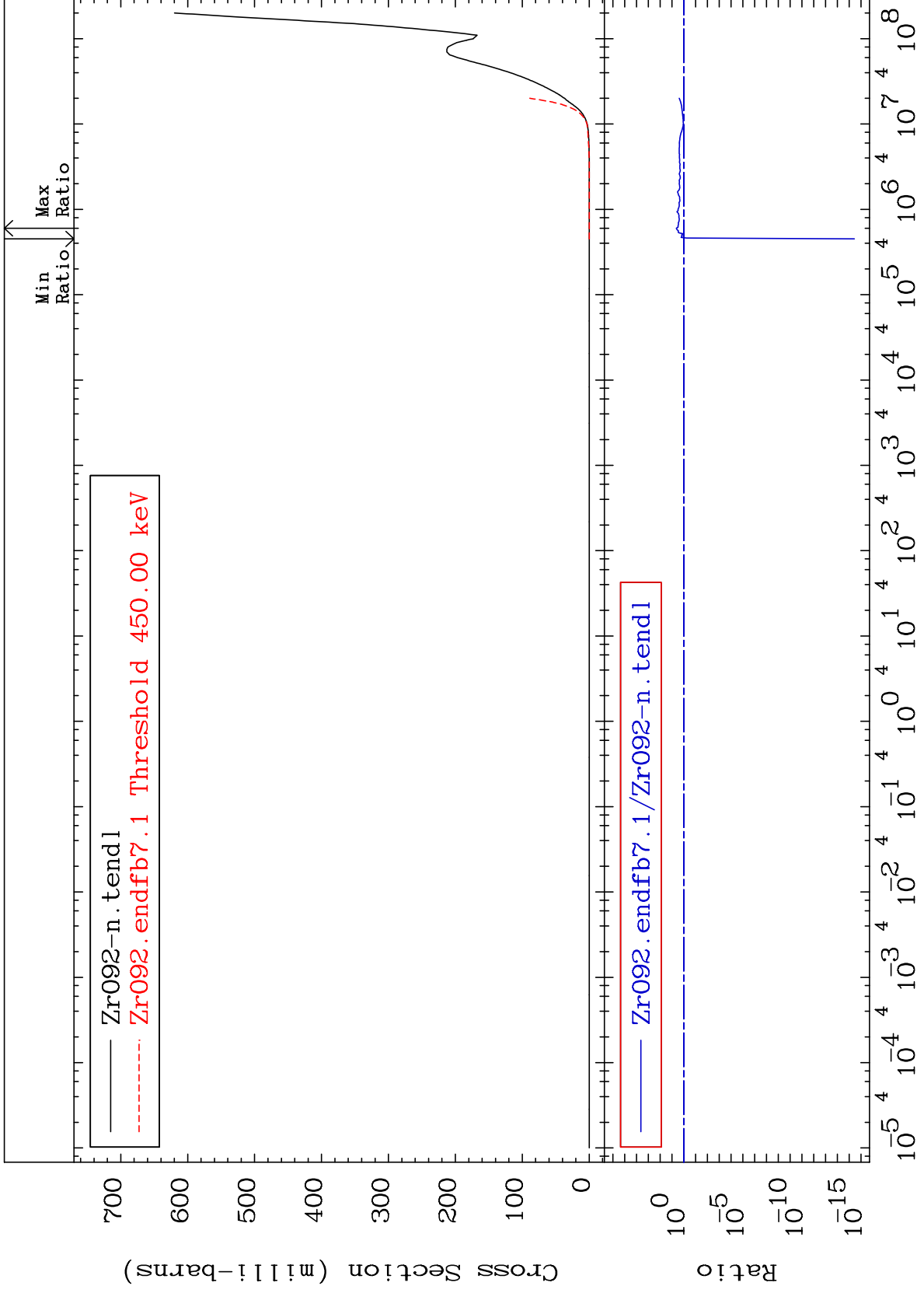
Incident Energy (eV)

40-Zr-92

MAT 4031

He-4 Production
Cross Section

40-Zr-92
-100.0 To 326.0 %



30

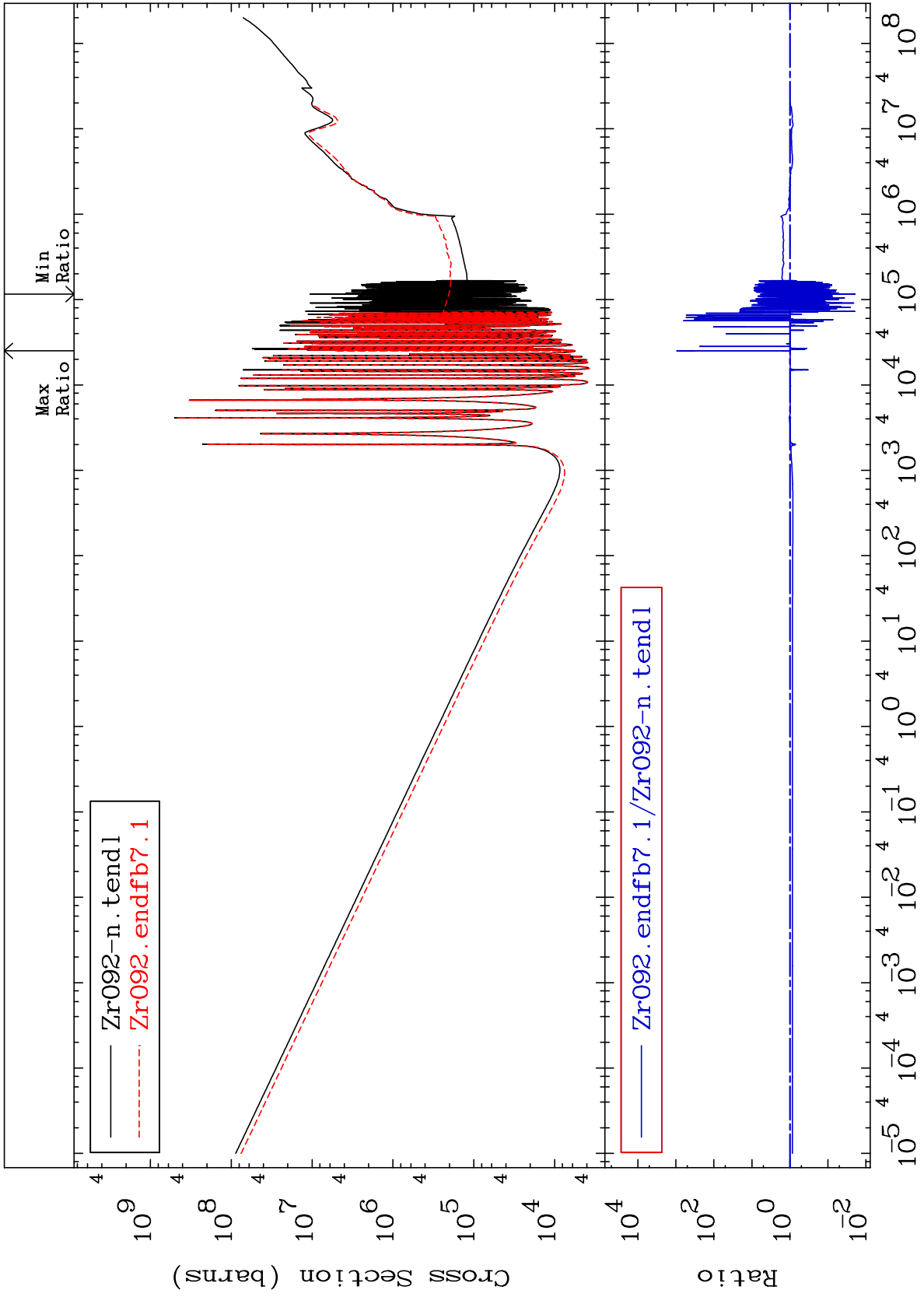
Incident Energy (eV)

40-Zr-92

MAT 4031

Kerma total (eV-barns)
Cross Section

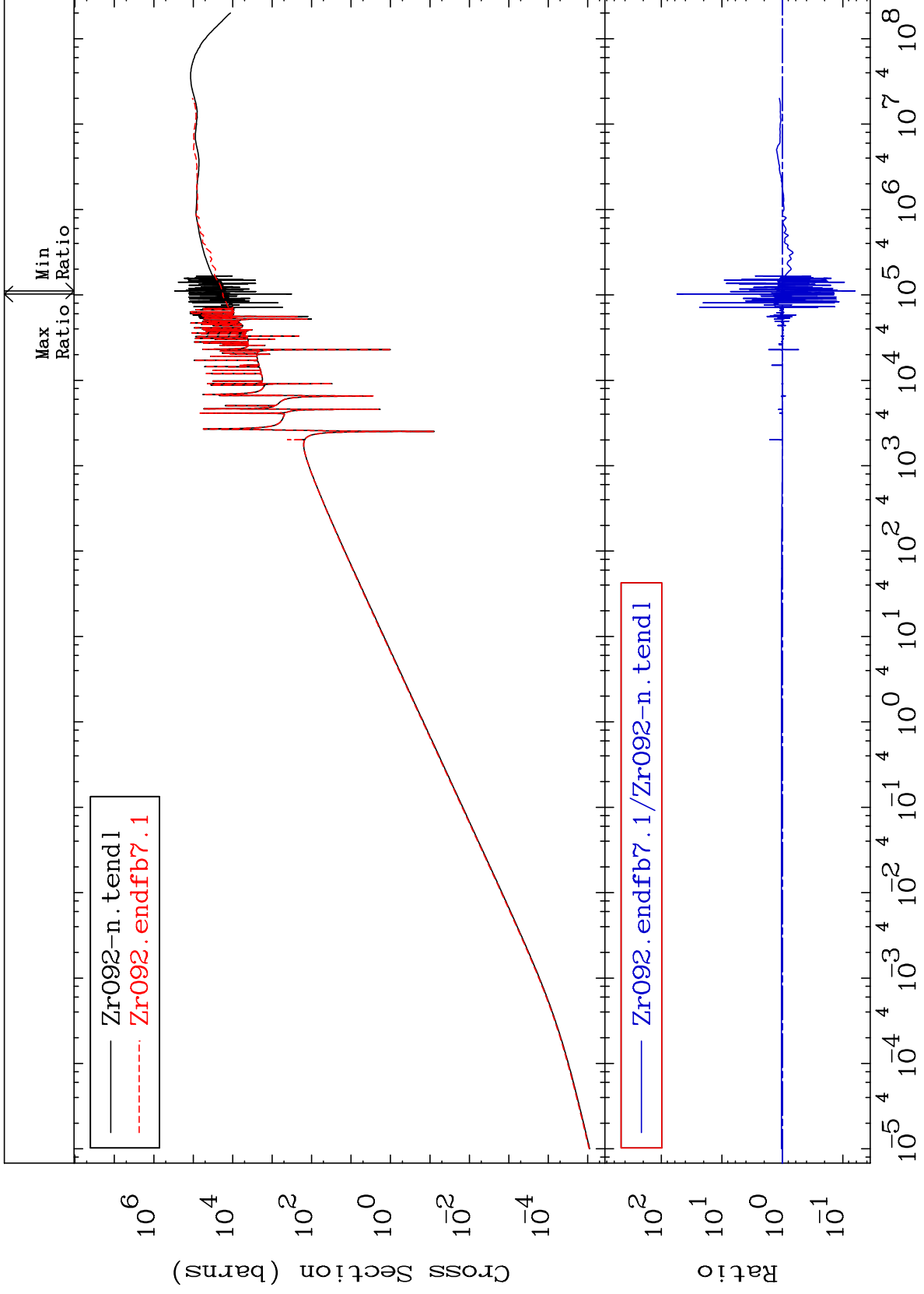
40-Zr-92
-98.07 To 9999. %



MAT 4031

Kerma elastic
Cross Section

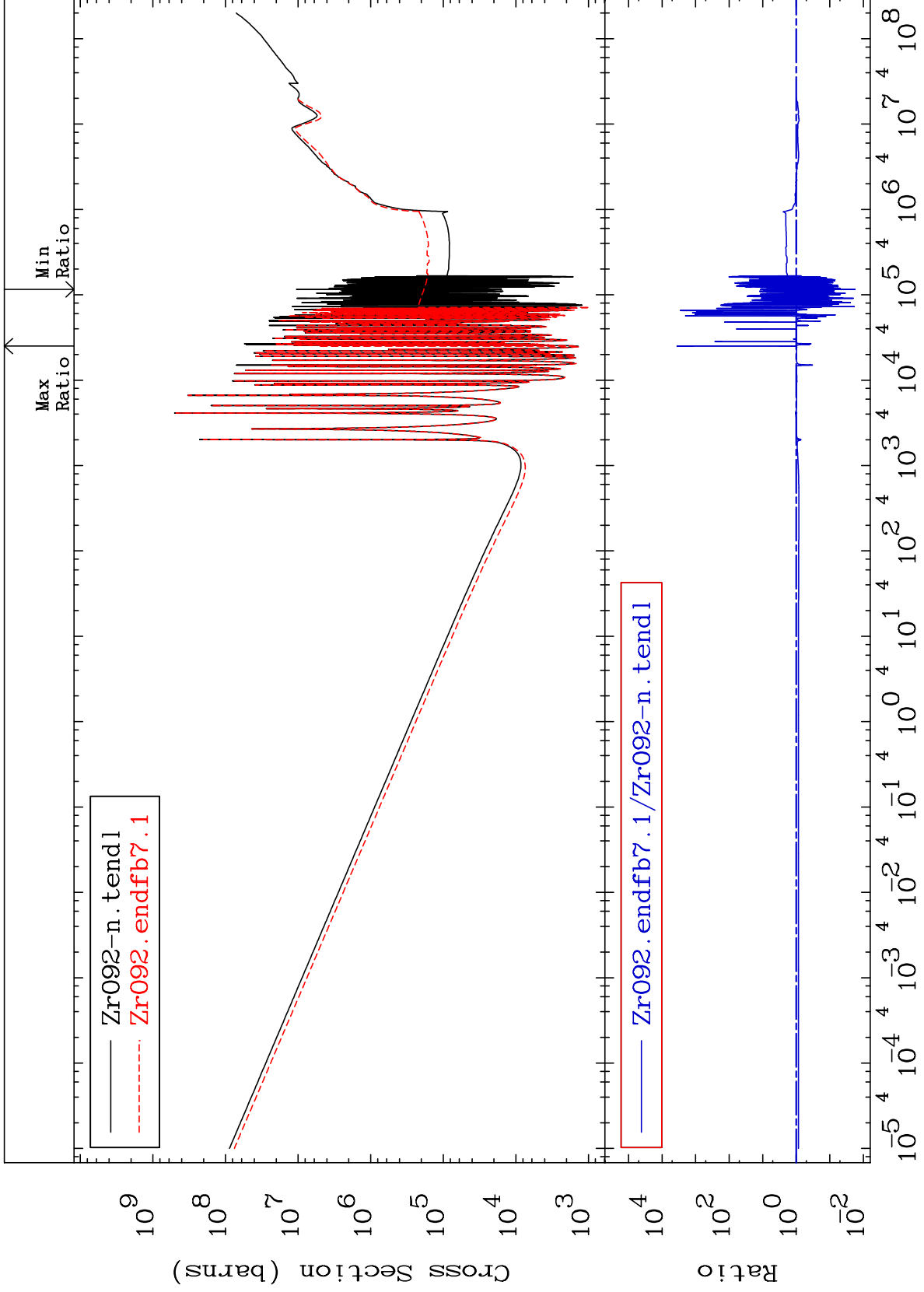
40-Zr-92
-93.72 To 5434. %



MAT 4031

Kerma non-elastic (all but mt2)
Cross Section

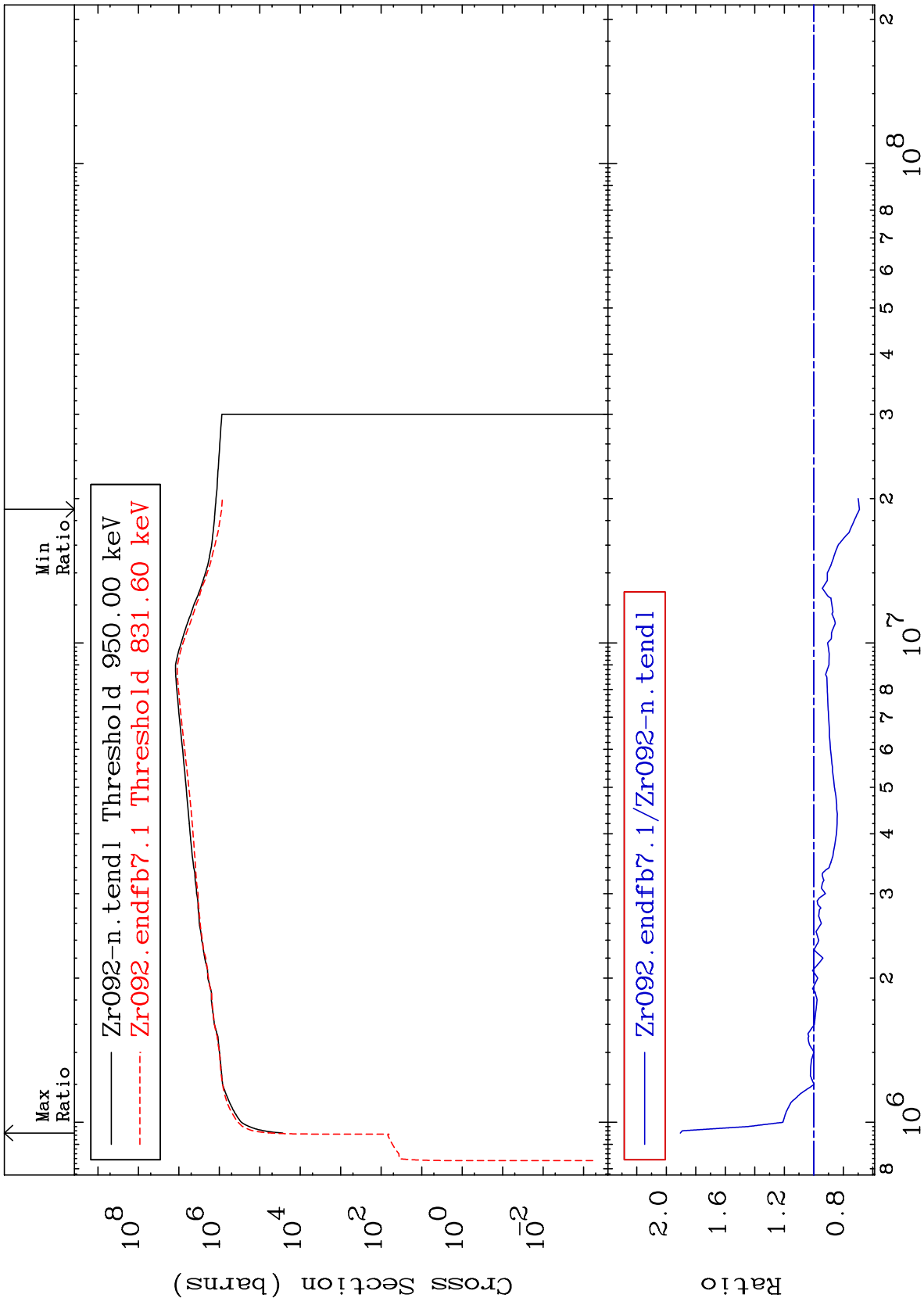
40-Zr-92
-98.24 To 9999. %



MAT 4031

Kerma inelastic (mt51-91)
Cross Section

40-Zr-92
-30.92 To 90.44 %



34

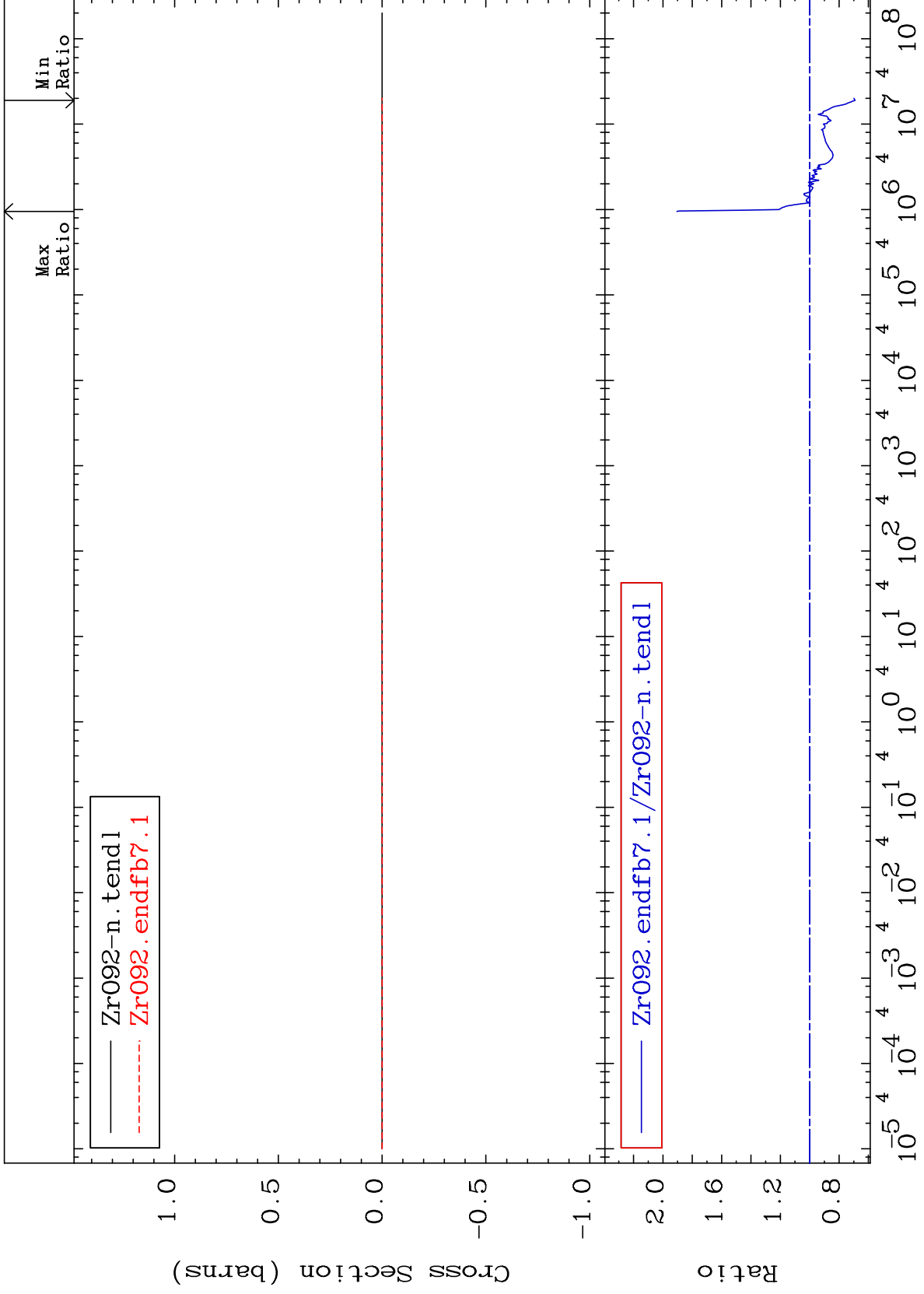
Incident Energy (eV)

40-Zr-92

MAT 4031

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

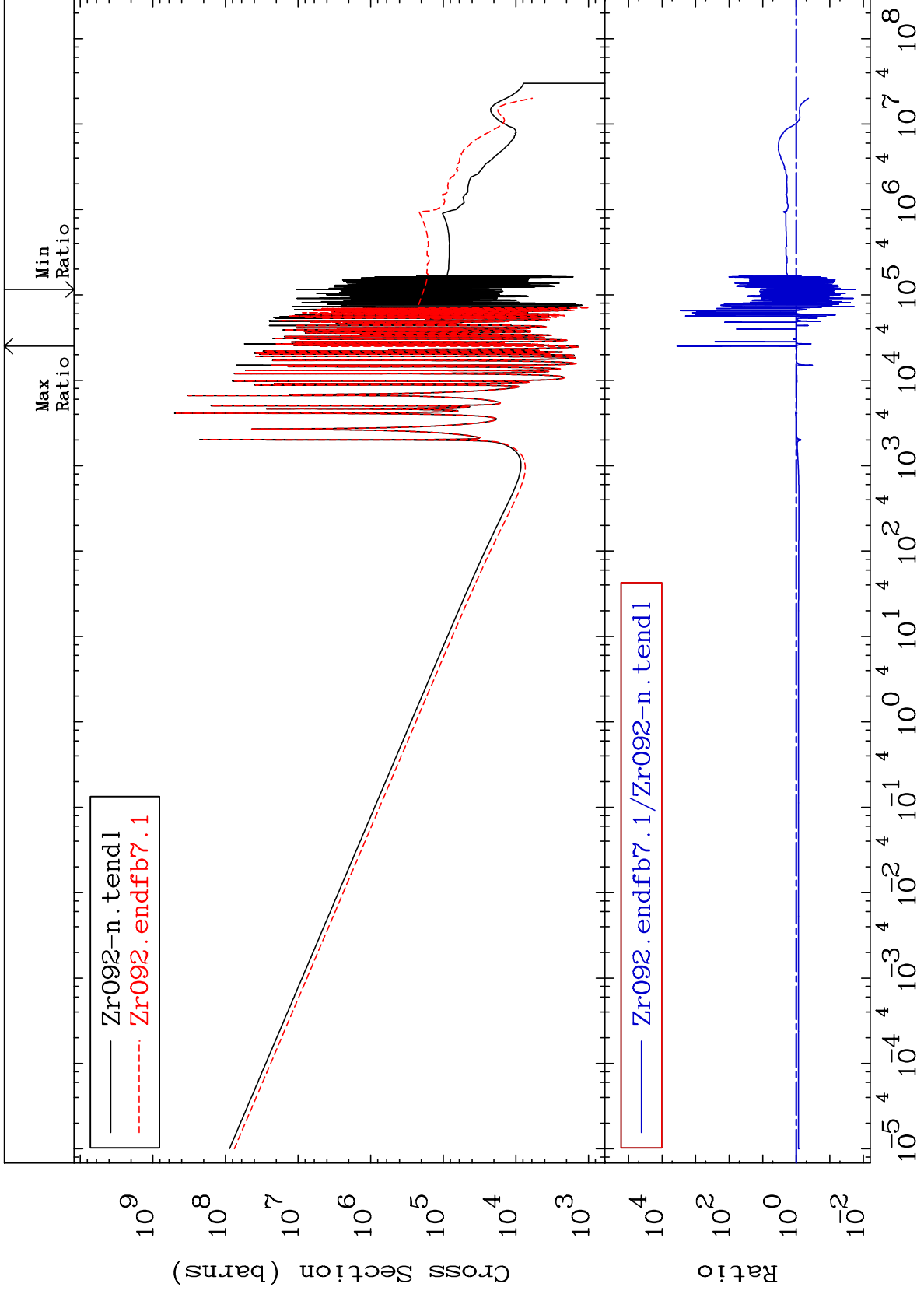
40-Zr-92
-30.92 To 90.44 %



MAT 4031

Kerma capture (mt102)
Cross Section

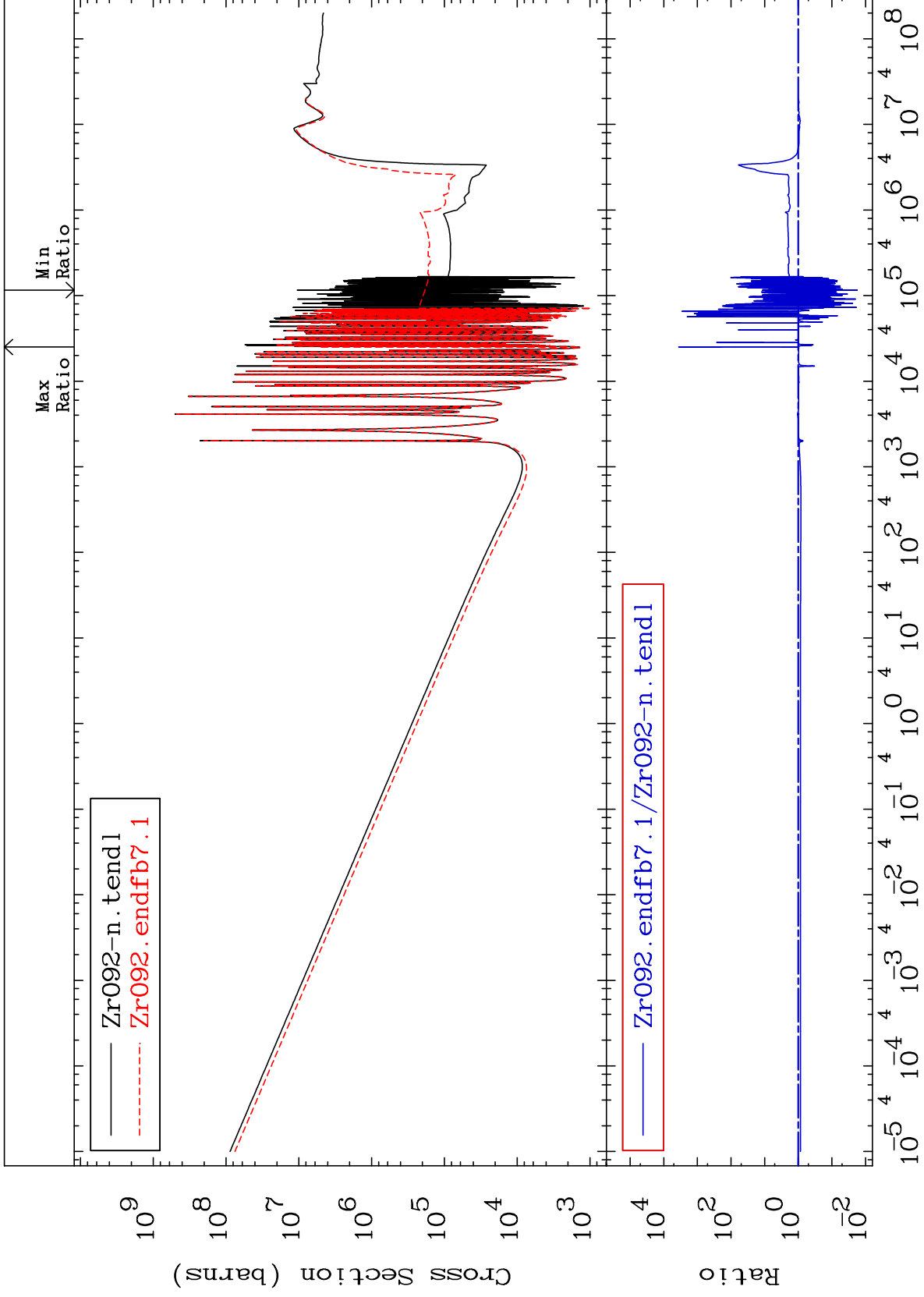
40-Zr-92
-98.24 To 9999. %



MAT 4031

Total photon (eV-barns)
Cross Section

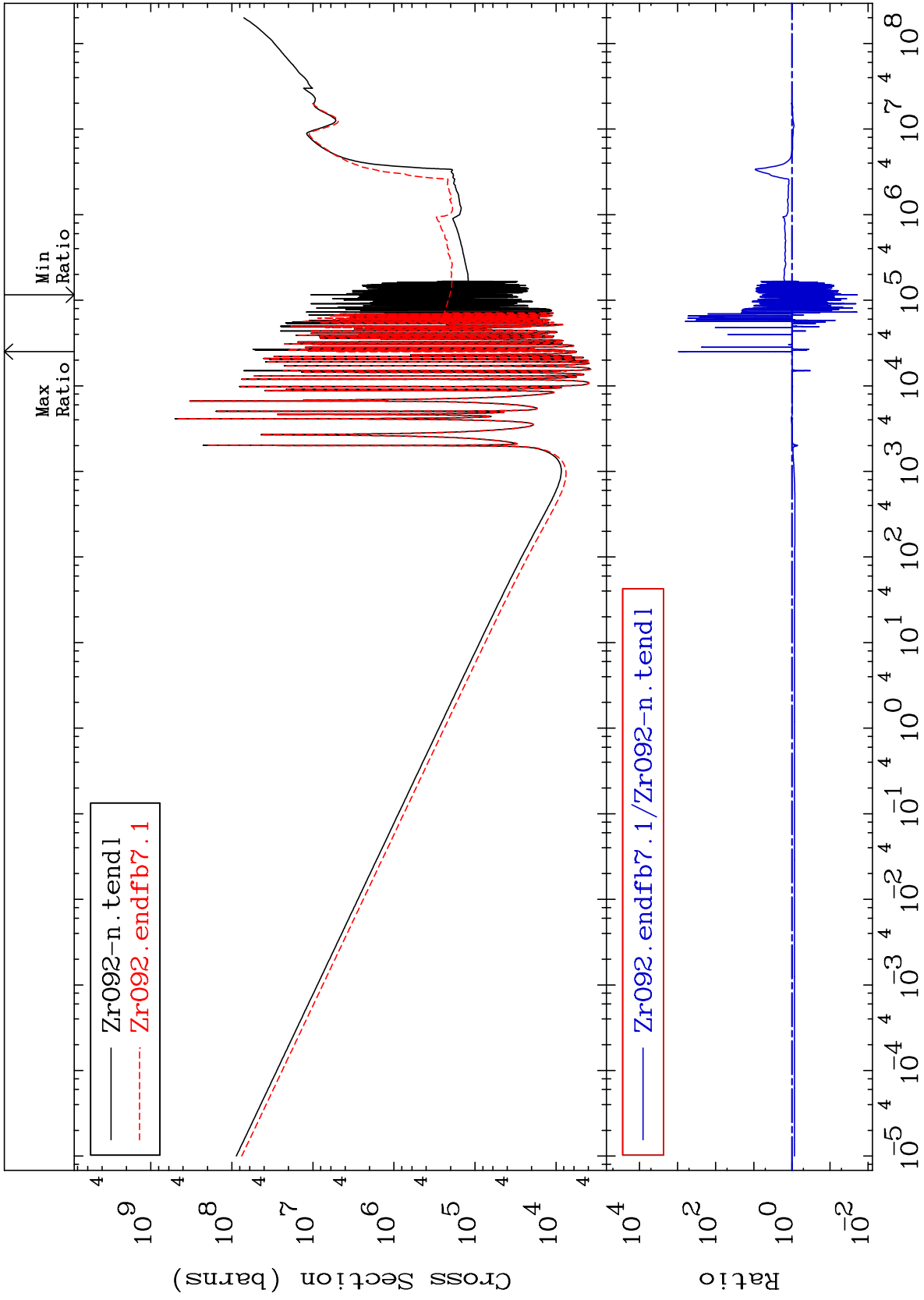
40-Zr-92
-98.24 To 9999. %



MAT 4031

Total kinematic kerma (high limit)
Cross Section

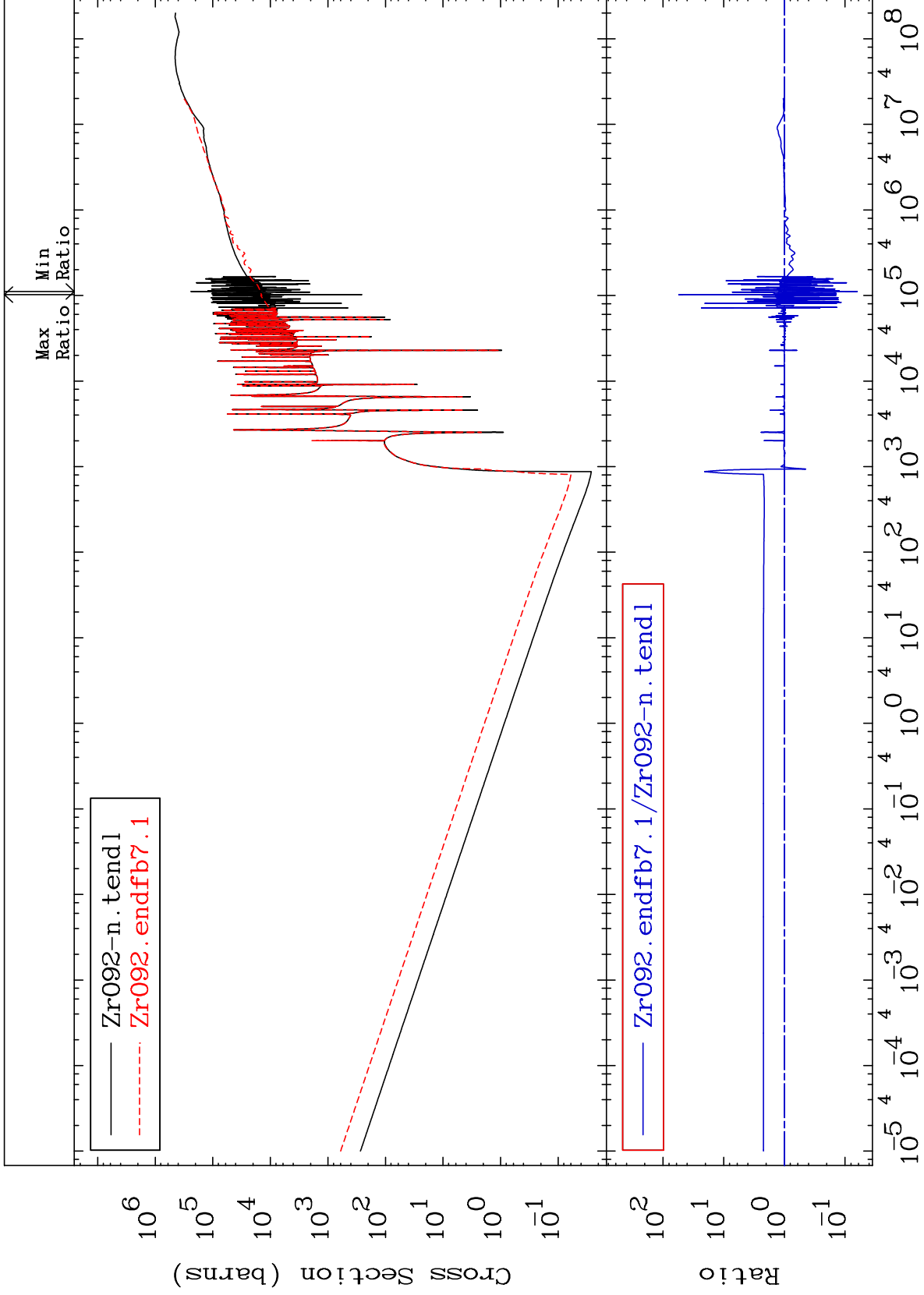
40-Zr-92
-98.07 To 9999. %



MAT 4031

Dpa total (eV-barns)
Cross Section

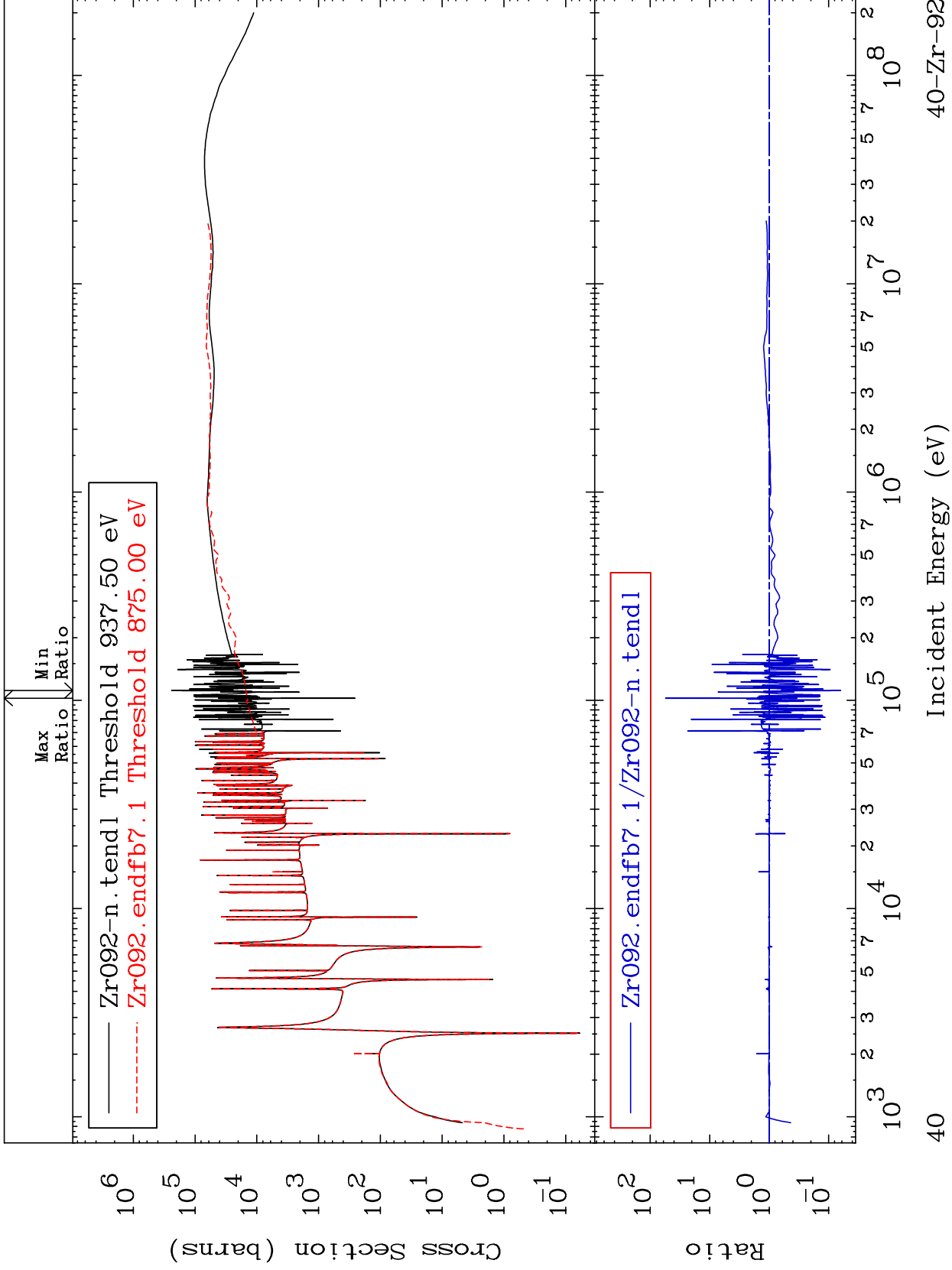
40-Zr-92
-93.71 To 5435. %



MAT 4031

Dpa elastic (mt2)
Cross Section

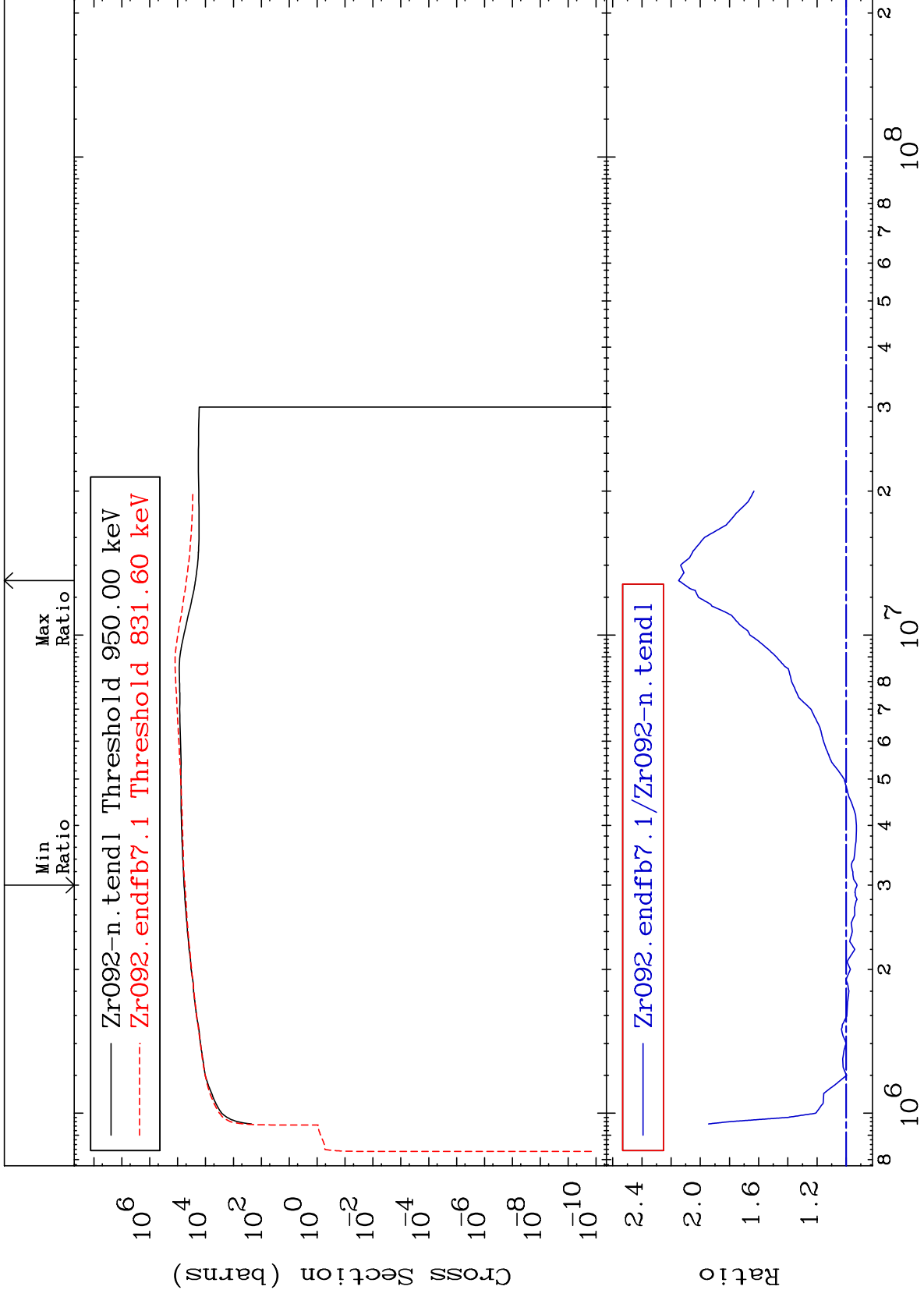
40-Zr-92
-93.71 To 5443. %



MAT 4031

Dpa inelastic (mt51-91)
Cross Section

40-Zr-92
-7.547 To 114.9 %



41

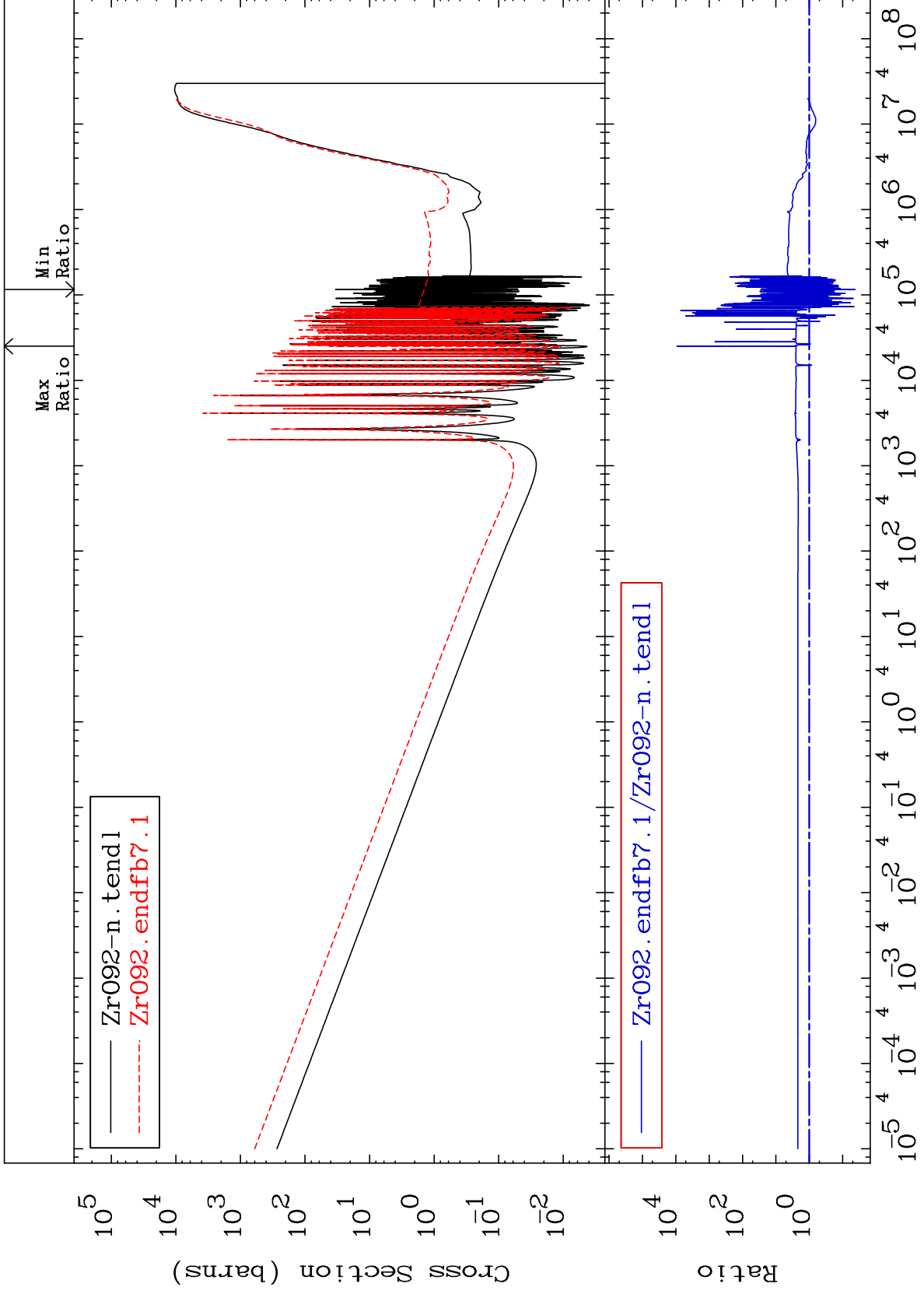
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-92
-95.76 To 9999. %



42

Incident Energy (eV)

40-Zr-92