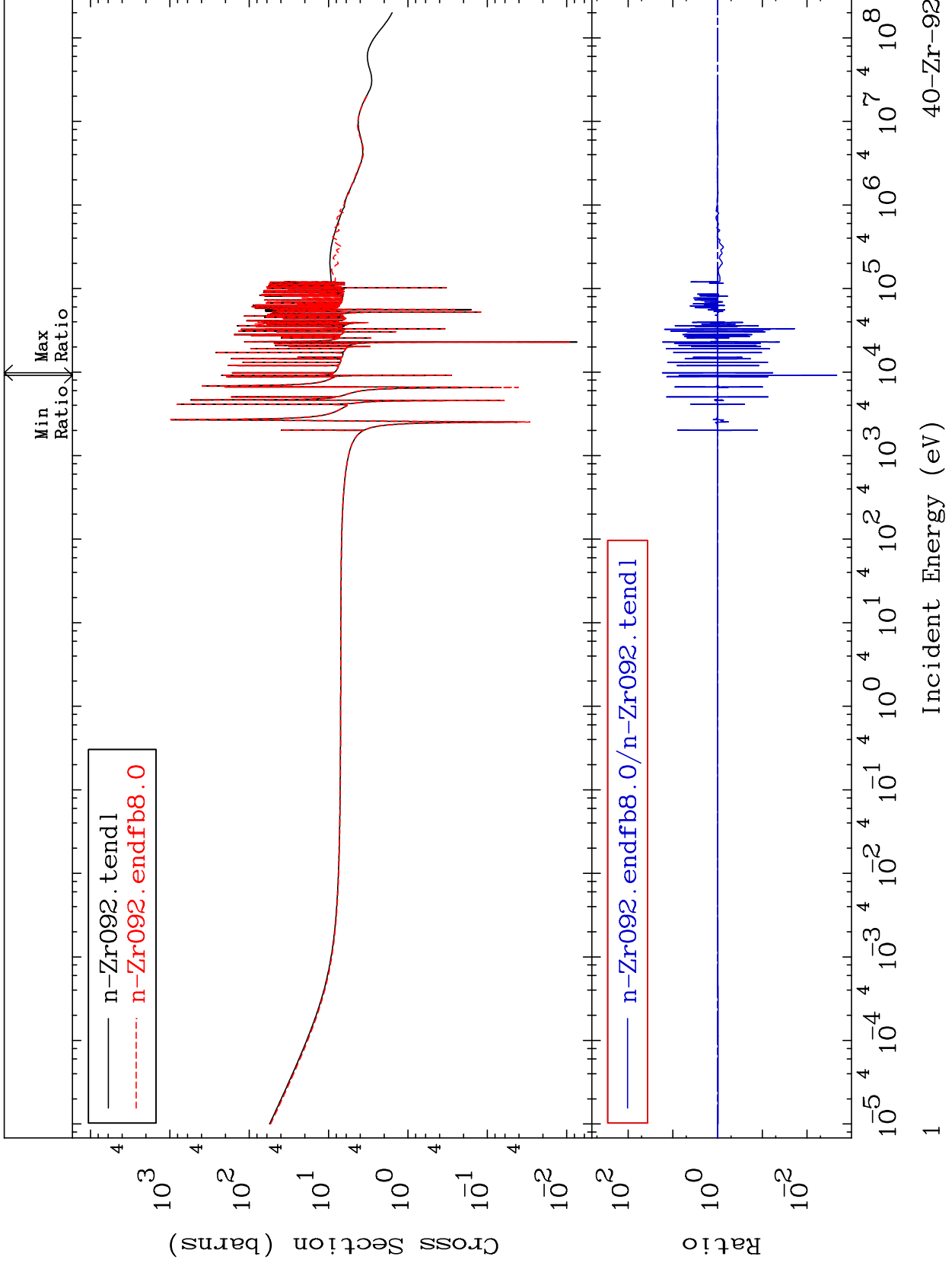


MAT 4031

Total
Cross Section

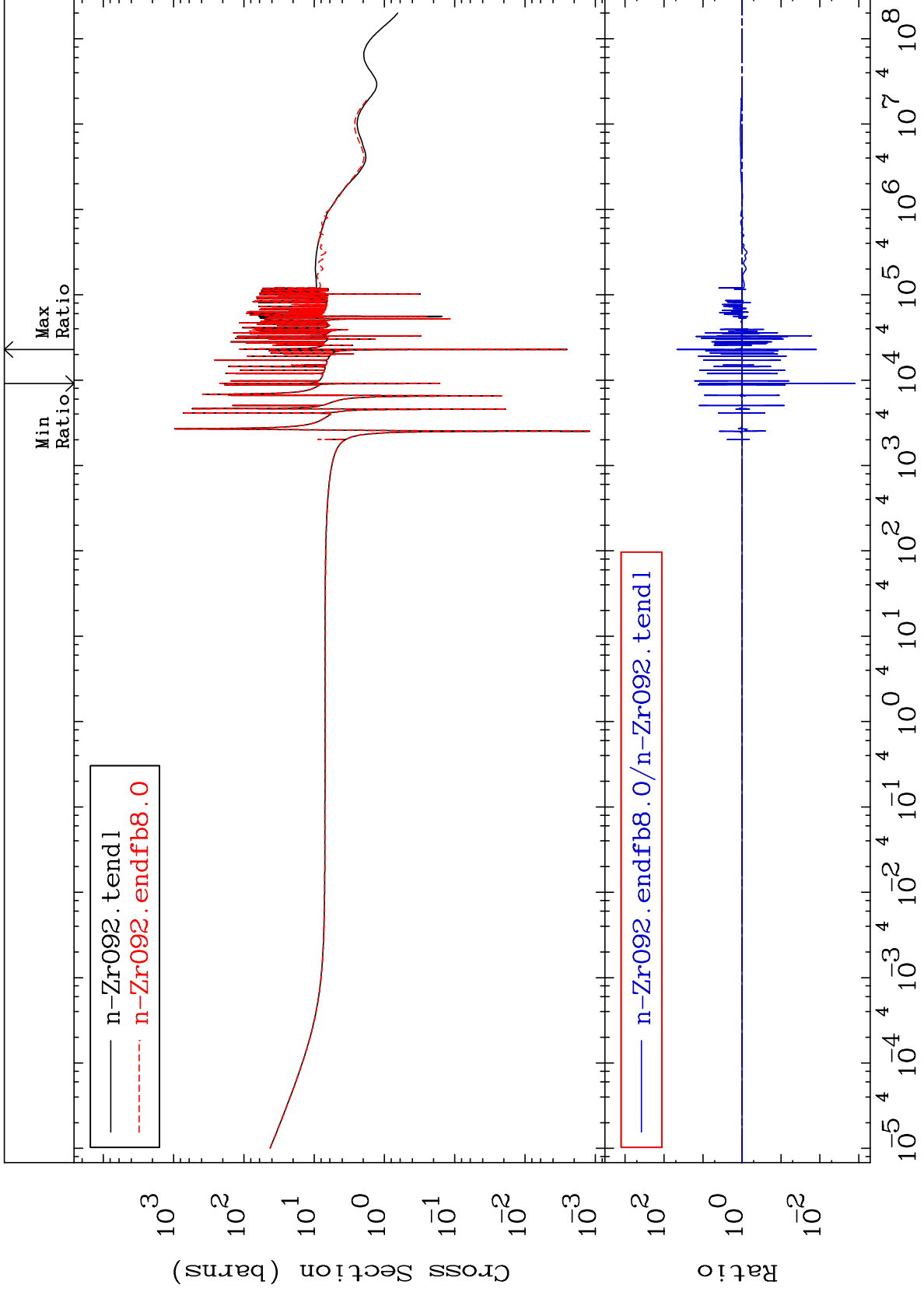
40-Zr-92
-99.78 To 1620. %



MAT 4031

Elastic
Cross Section

40-Zr-92
-99.87 To 4565. %



Incident Energy (eV)

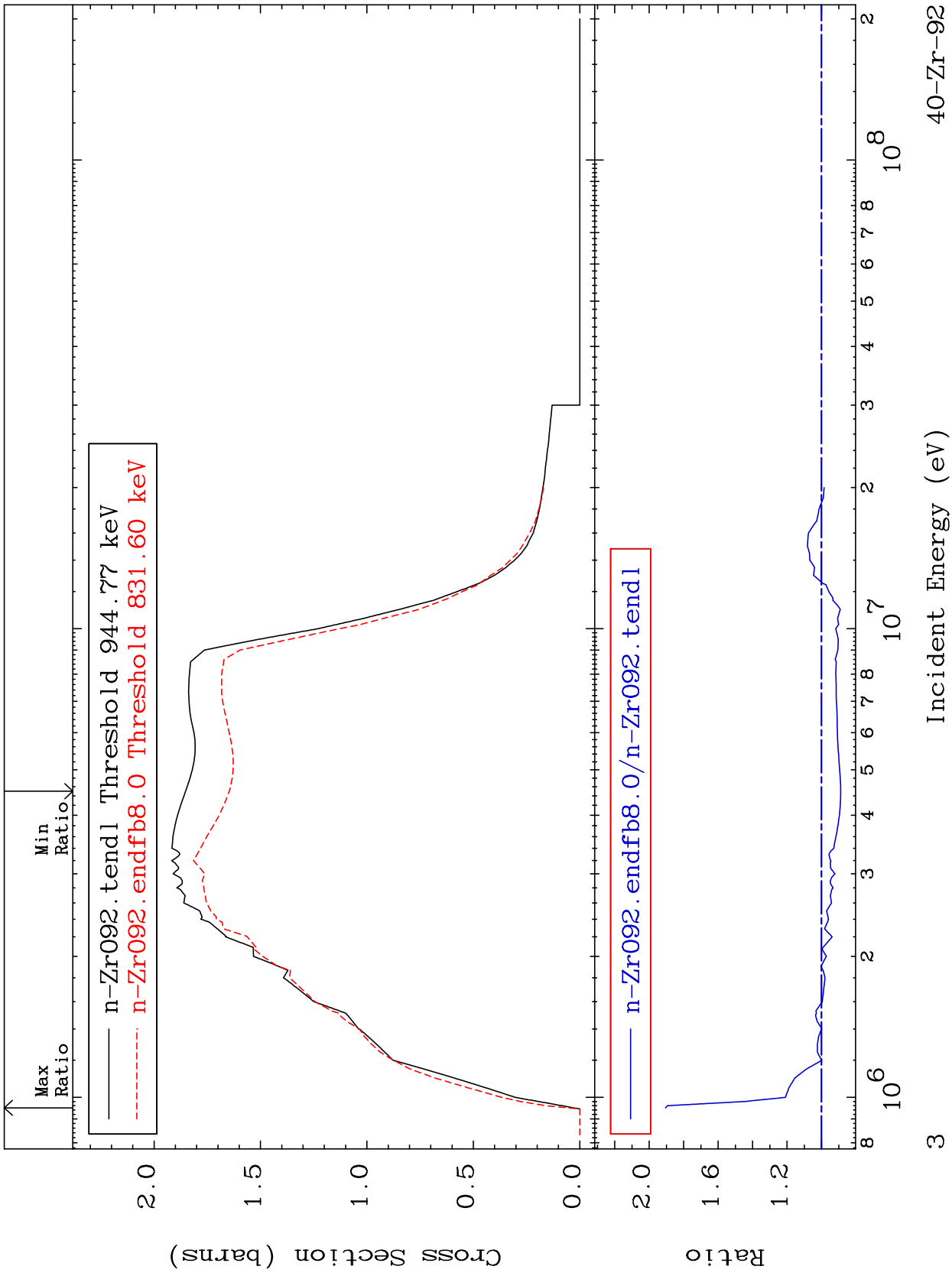
40-Zr-92

2

MAT 4031

Inelastic
Cross Section

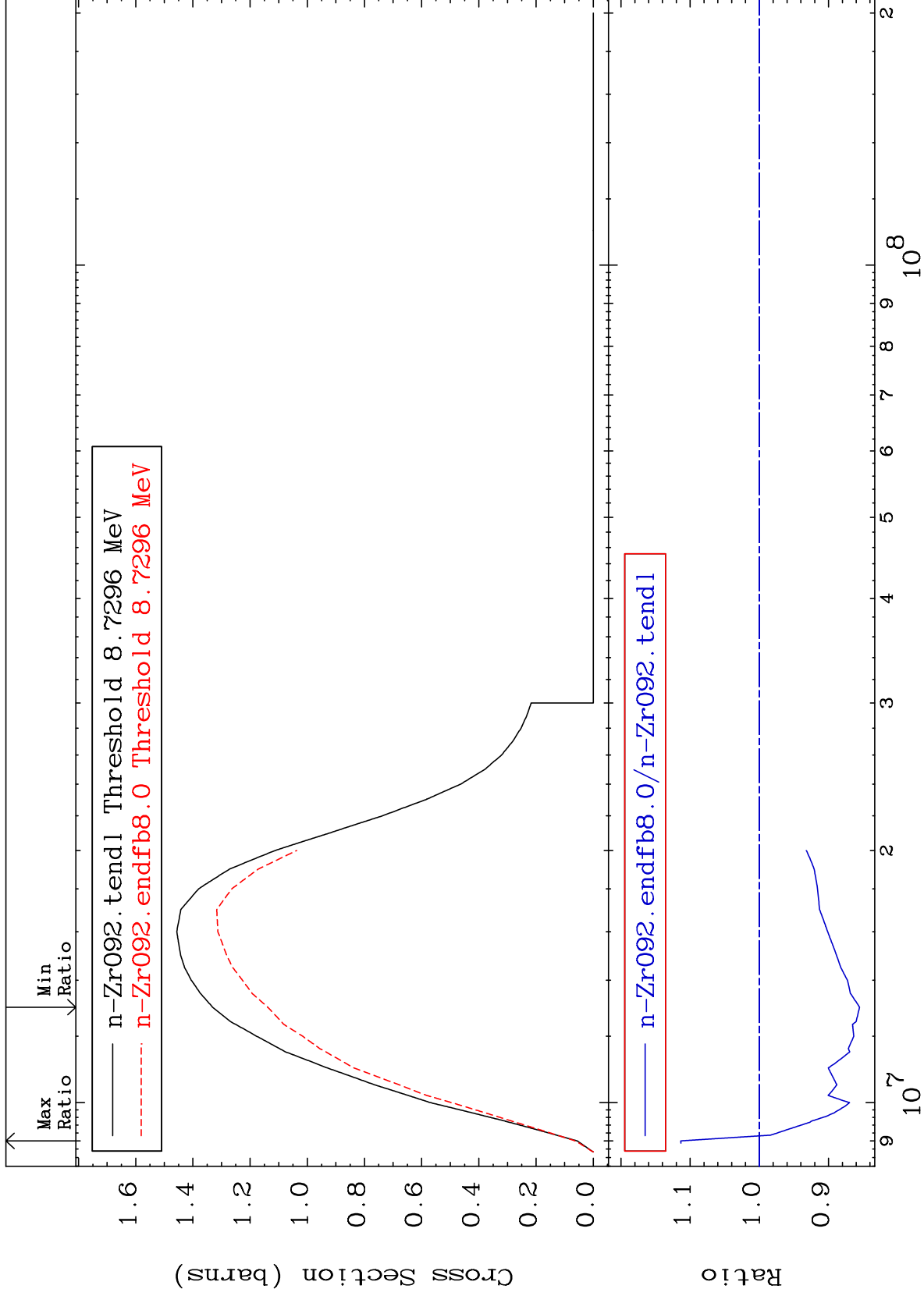
40-Zr-92
-11.08 To 90.55 %



MAT 4031

(n,2n)
Cross Section

40-Zr-92
-14.48 To 11.36 %



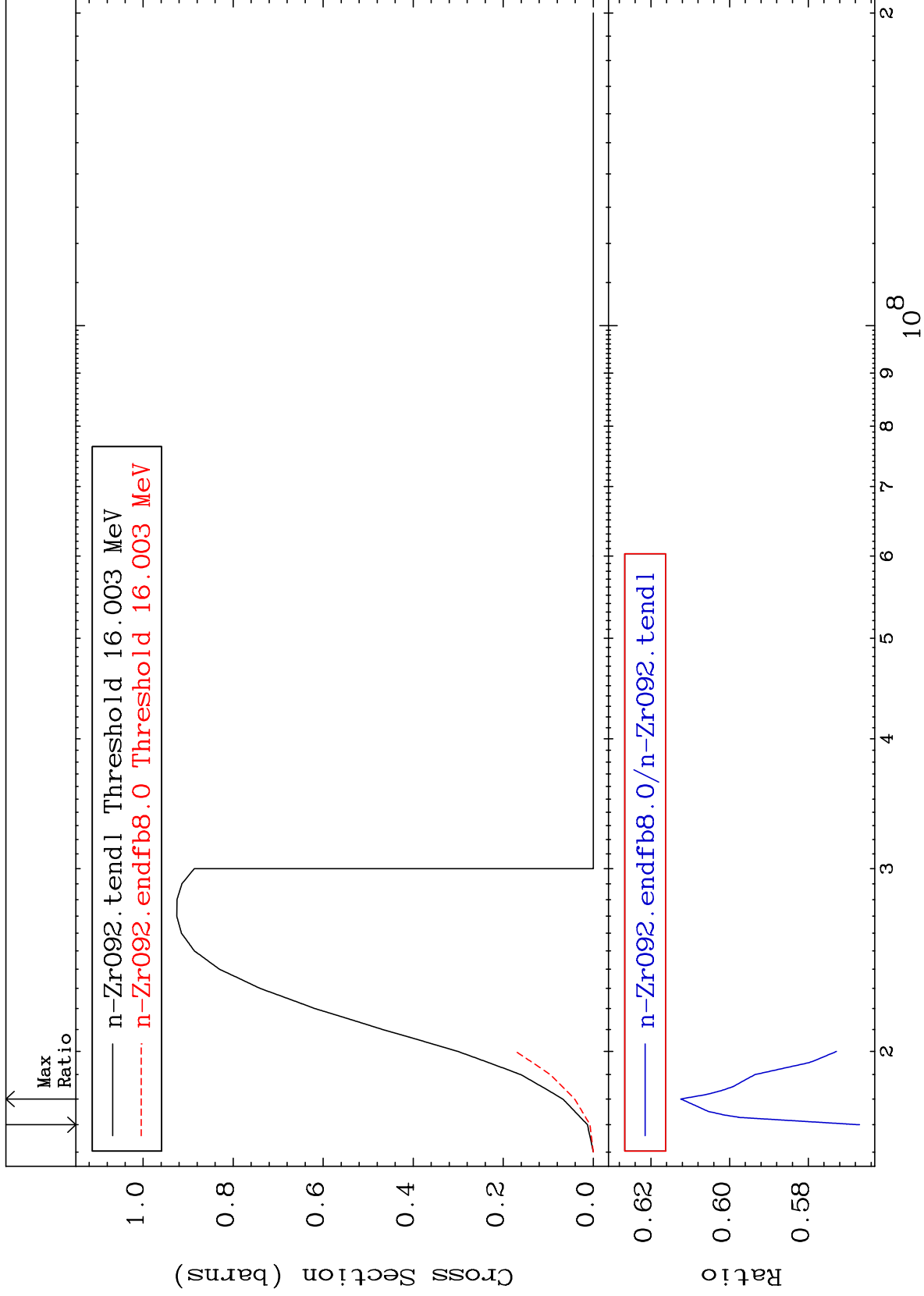
40-Zr-92

40-Zr-92

MAT 4031

(n,3n)
Cross Section

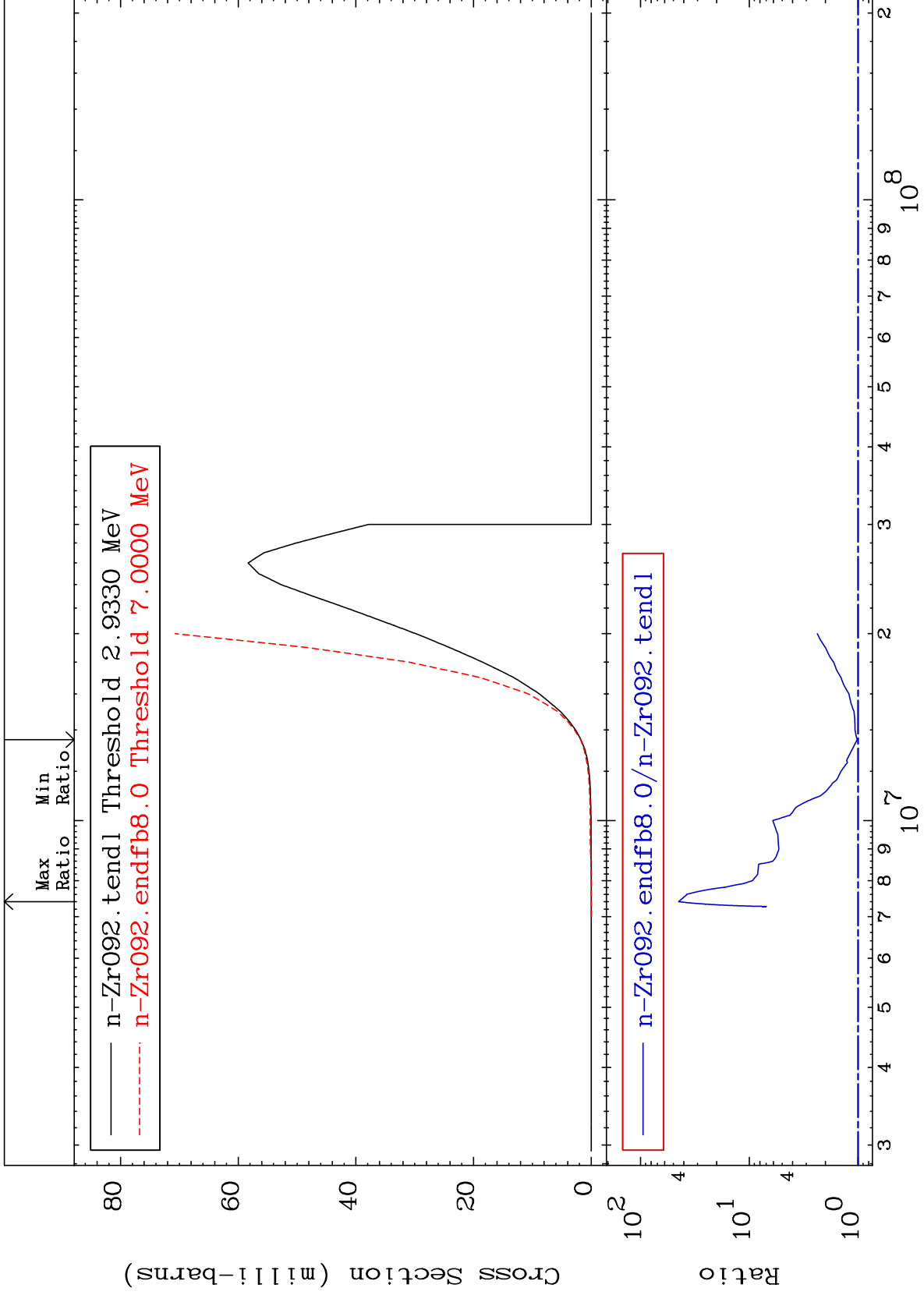
40-Zr-92
-43.30 To -38.76%



MAT 4031

(n, n') α
Cross Section

40-Zr-92
1.865 To 4370. %

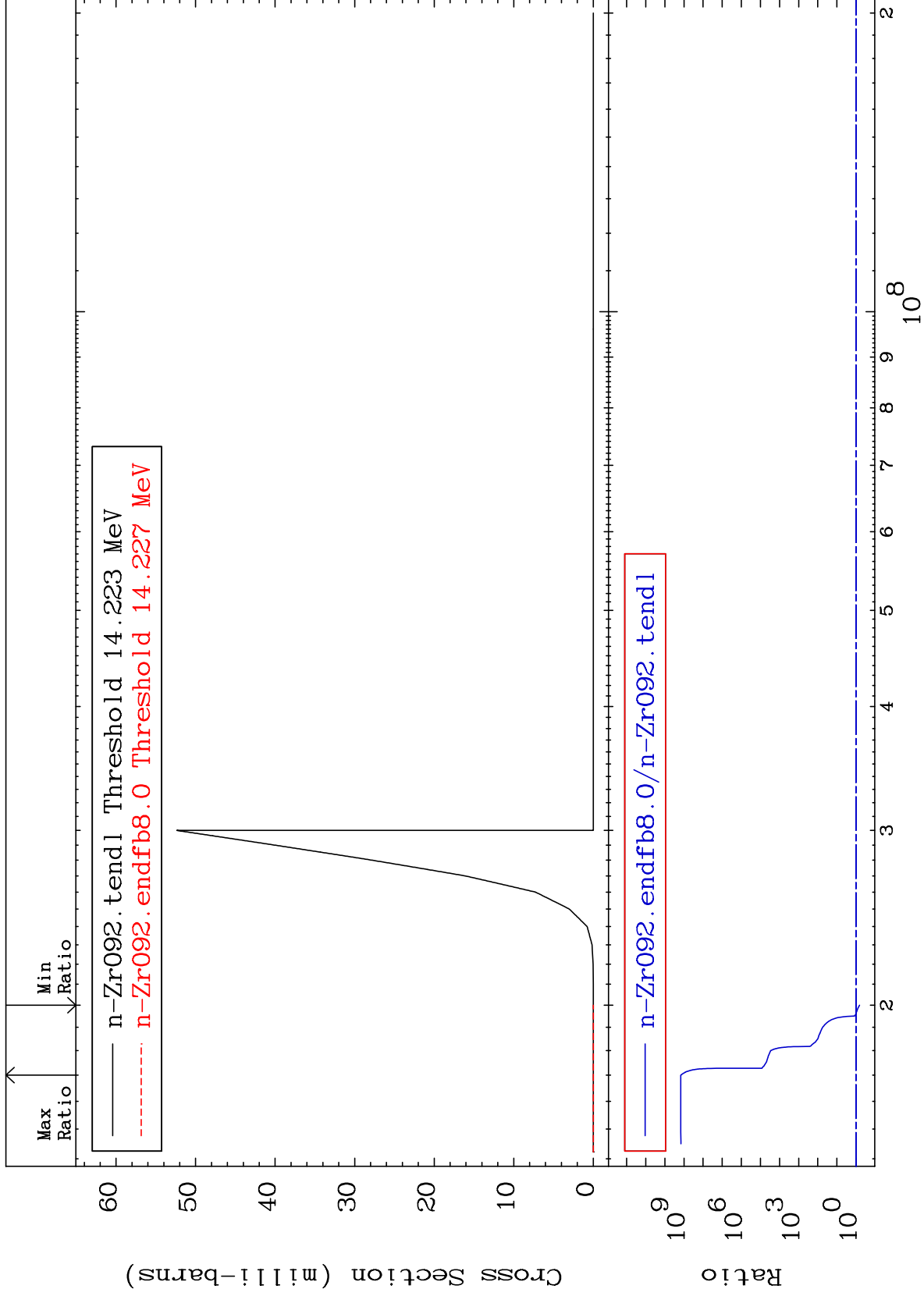


6

MAT 4031

(n,2n) α
Cross Section

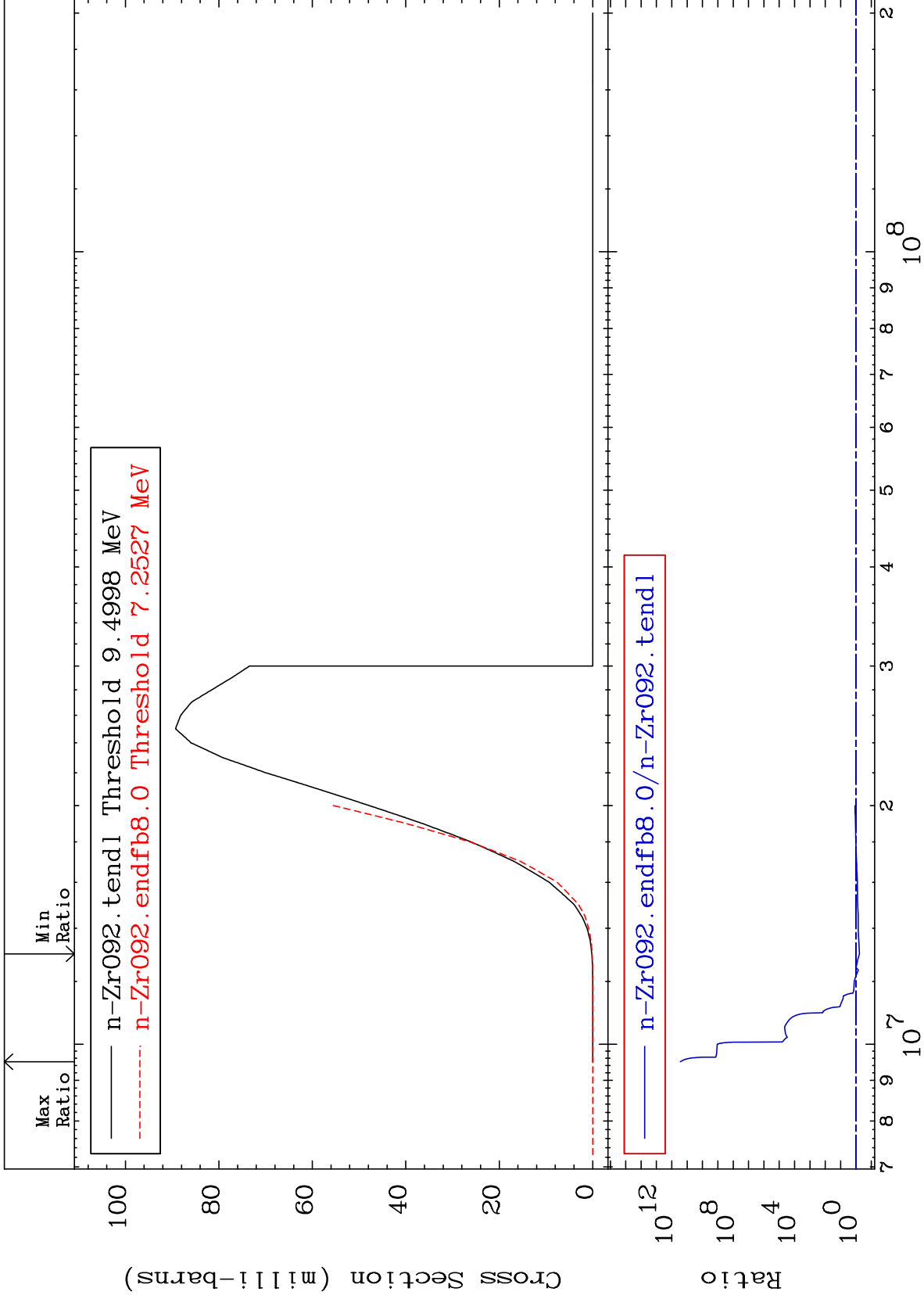
40-Zr-92
-34.69 To 9999. %



MAT 4031

(n,n') p
Cross Section

40-Zr-92
-40.35 To 9999. %



8

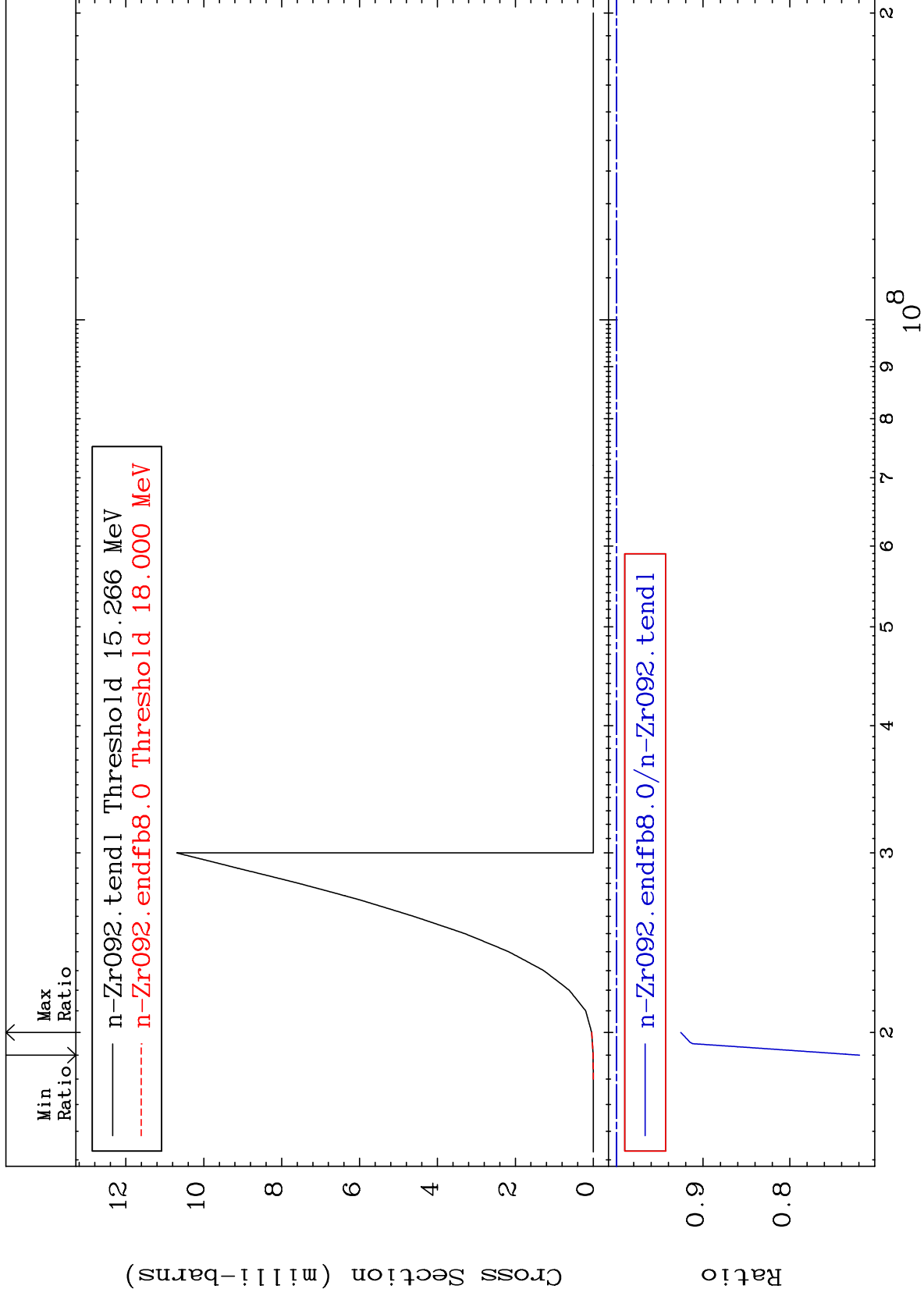
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,n') d
Cross Section

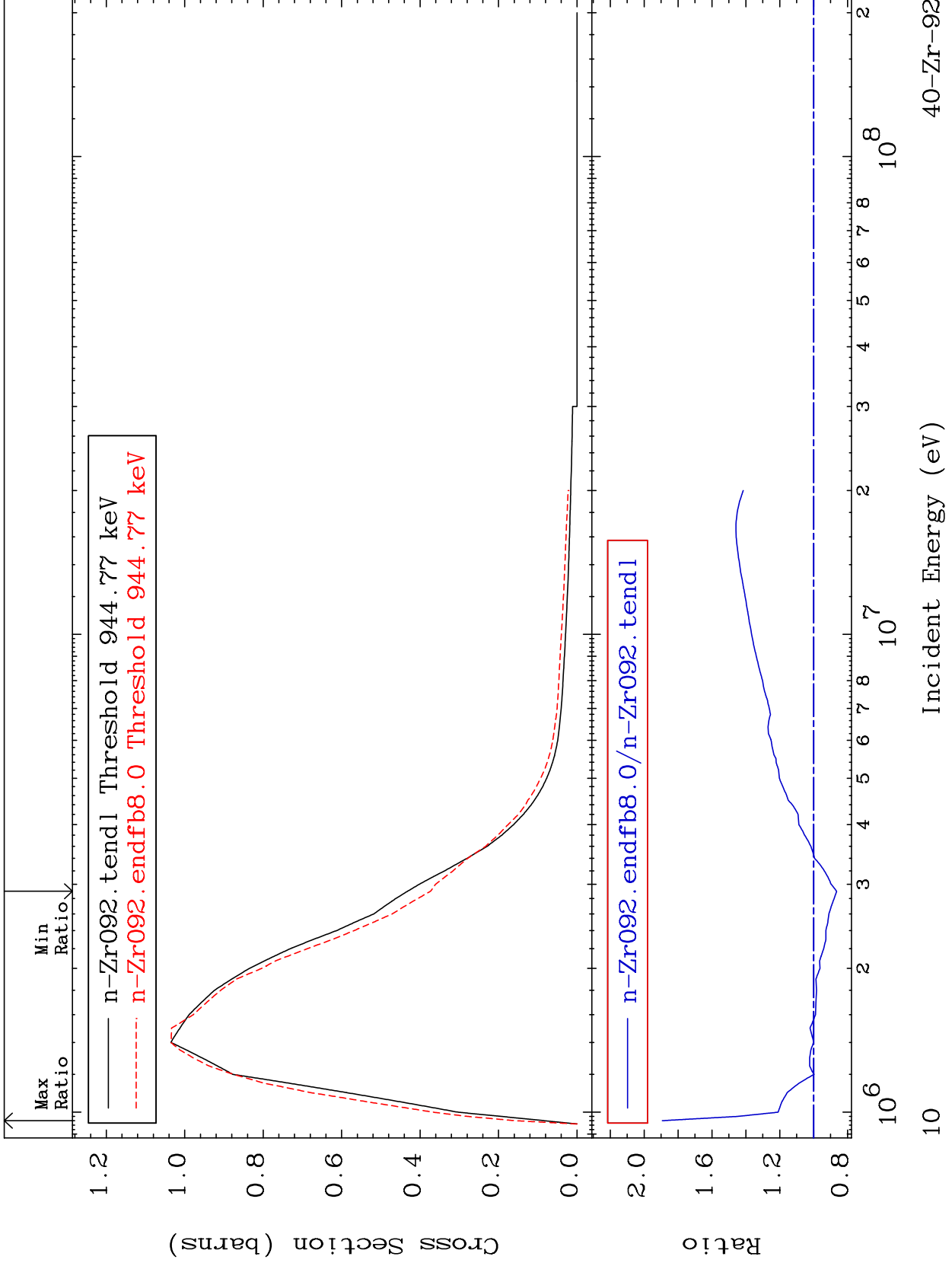
40-Zr-92
-28.06 To -7.425%



MAT 4031

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

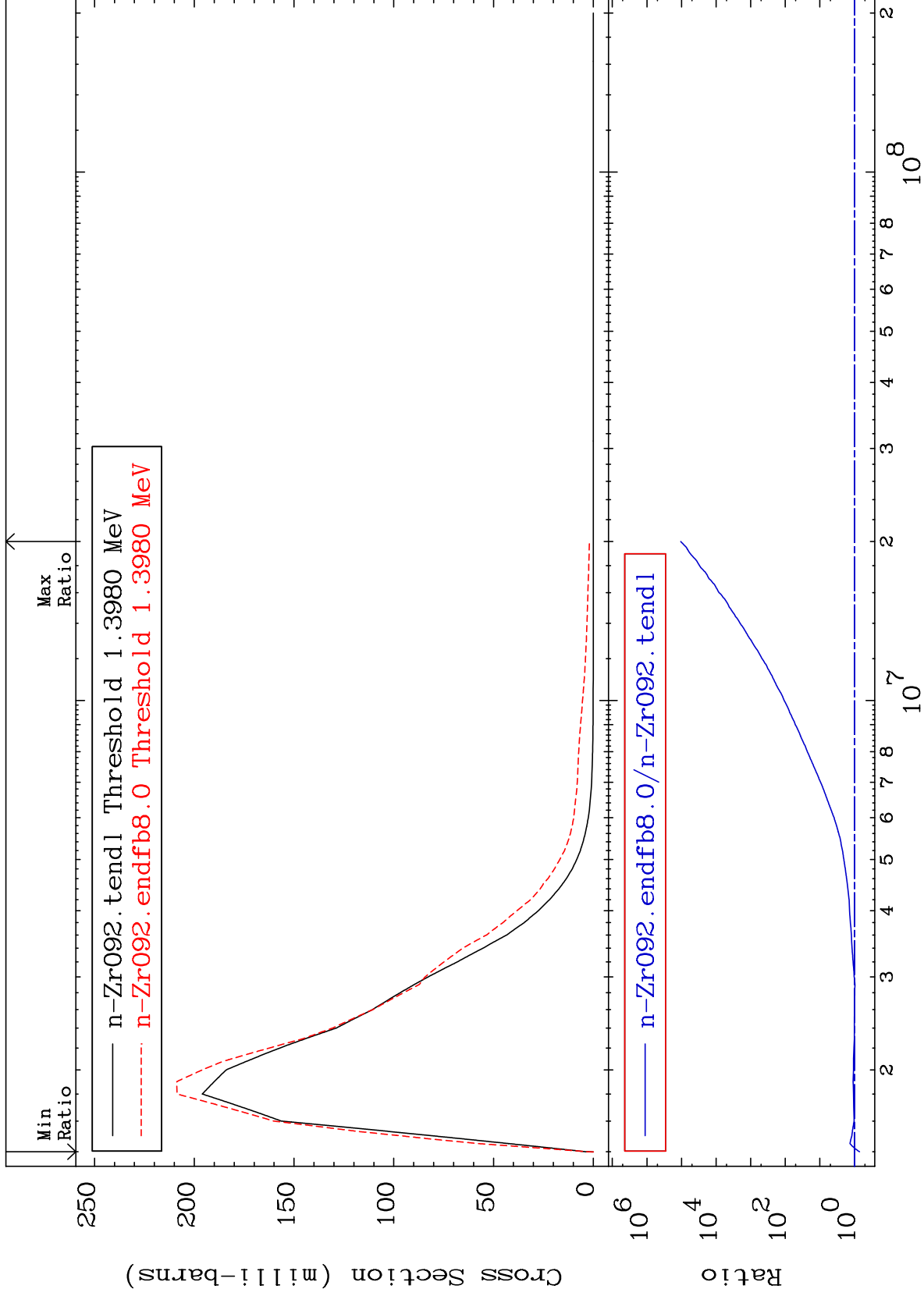
40-Zr-92
-13.59 To 89.29 %



MAT 4031

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

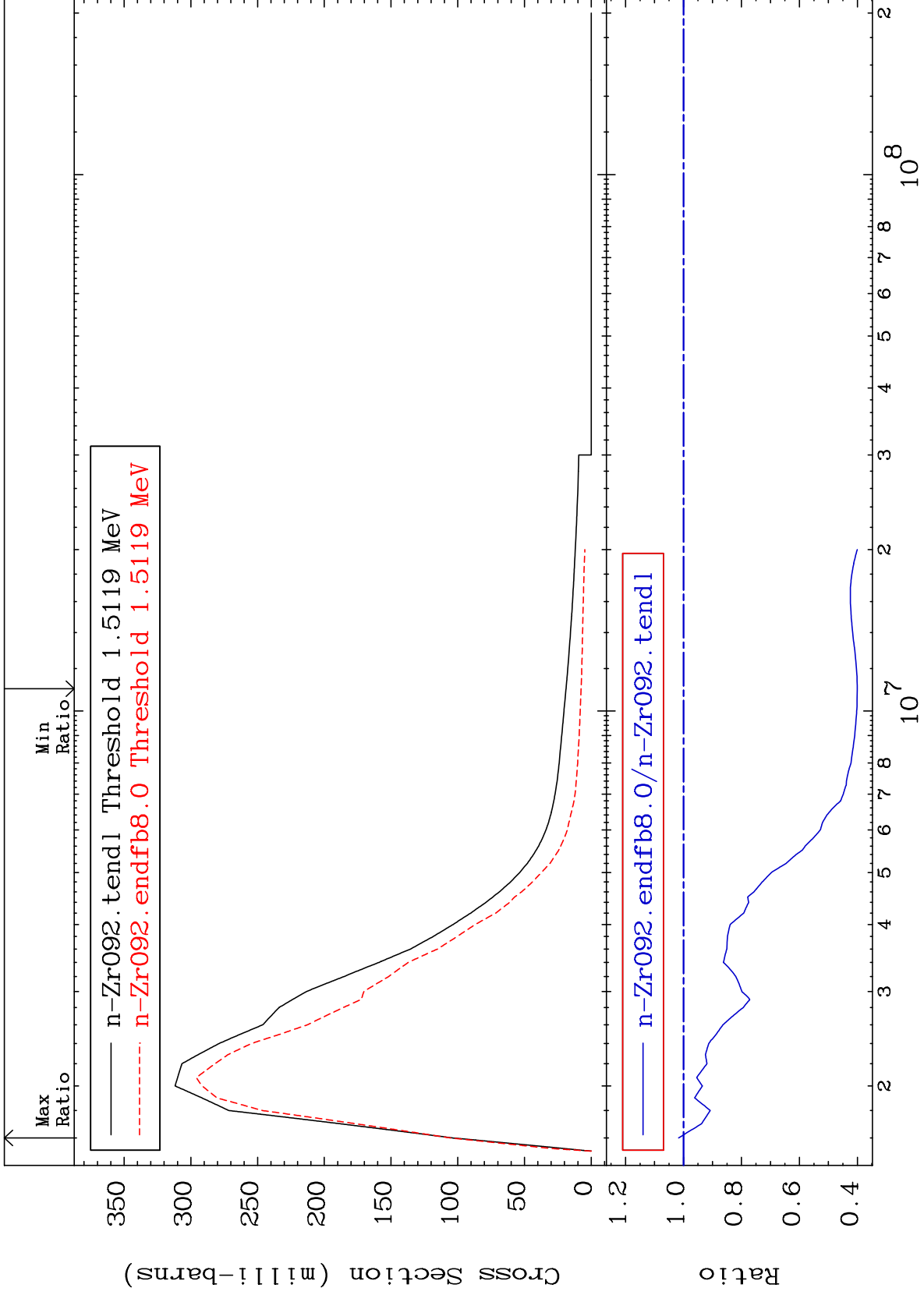
40-Zr-92
-28.66 To 9999. %



MAT 4031

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

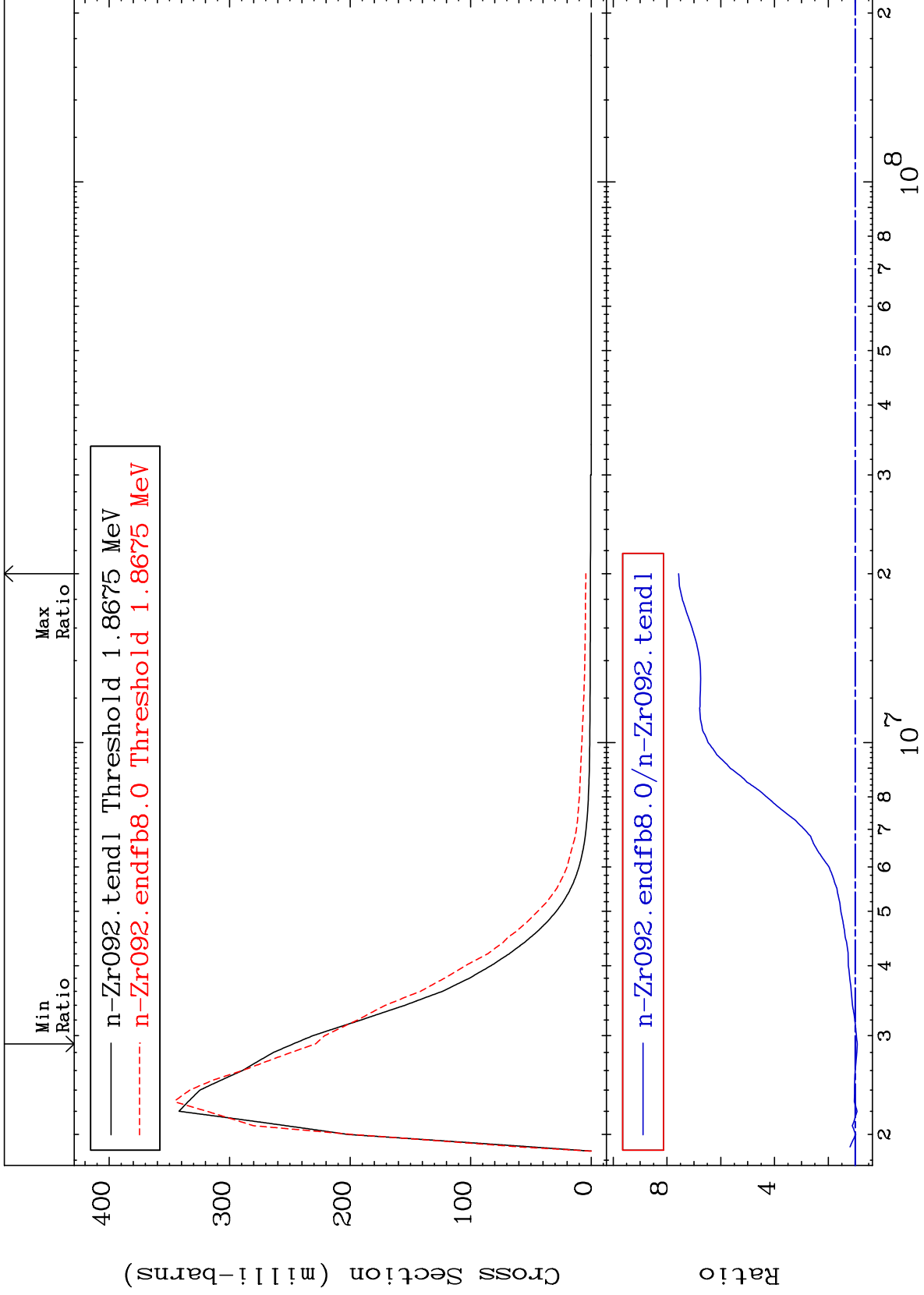
40-Zr-92
-59.96 To 1.678 %



MAT 4031

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

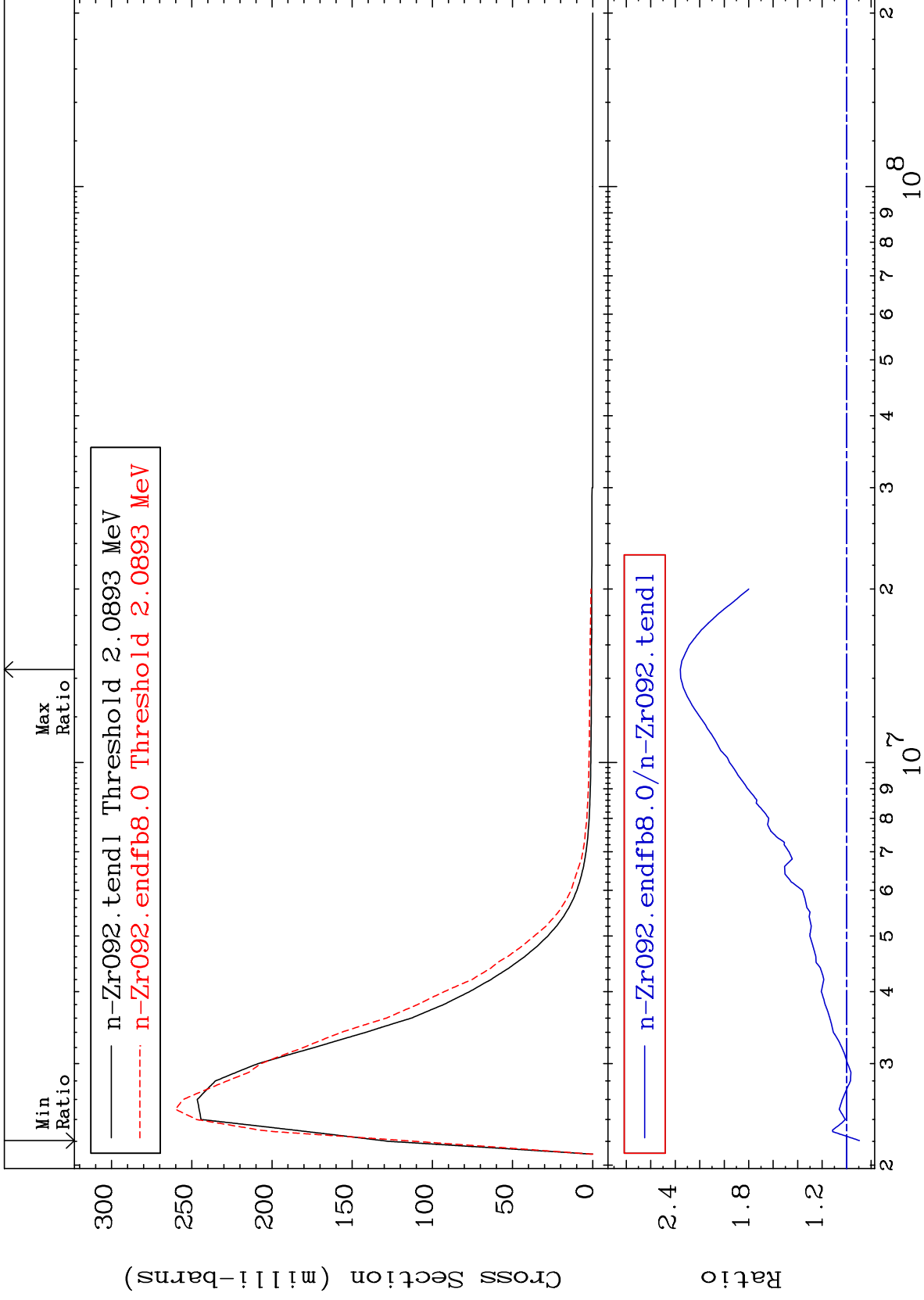
40-Zr-92
-7.471 To 656.8 %



MAT 4031

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

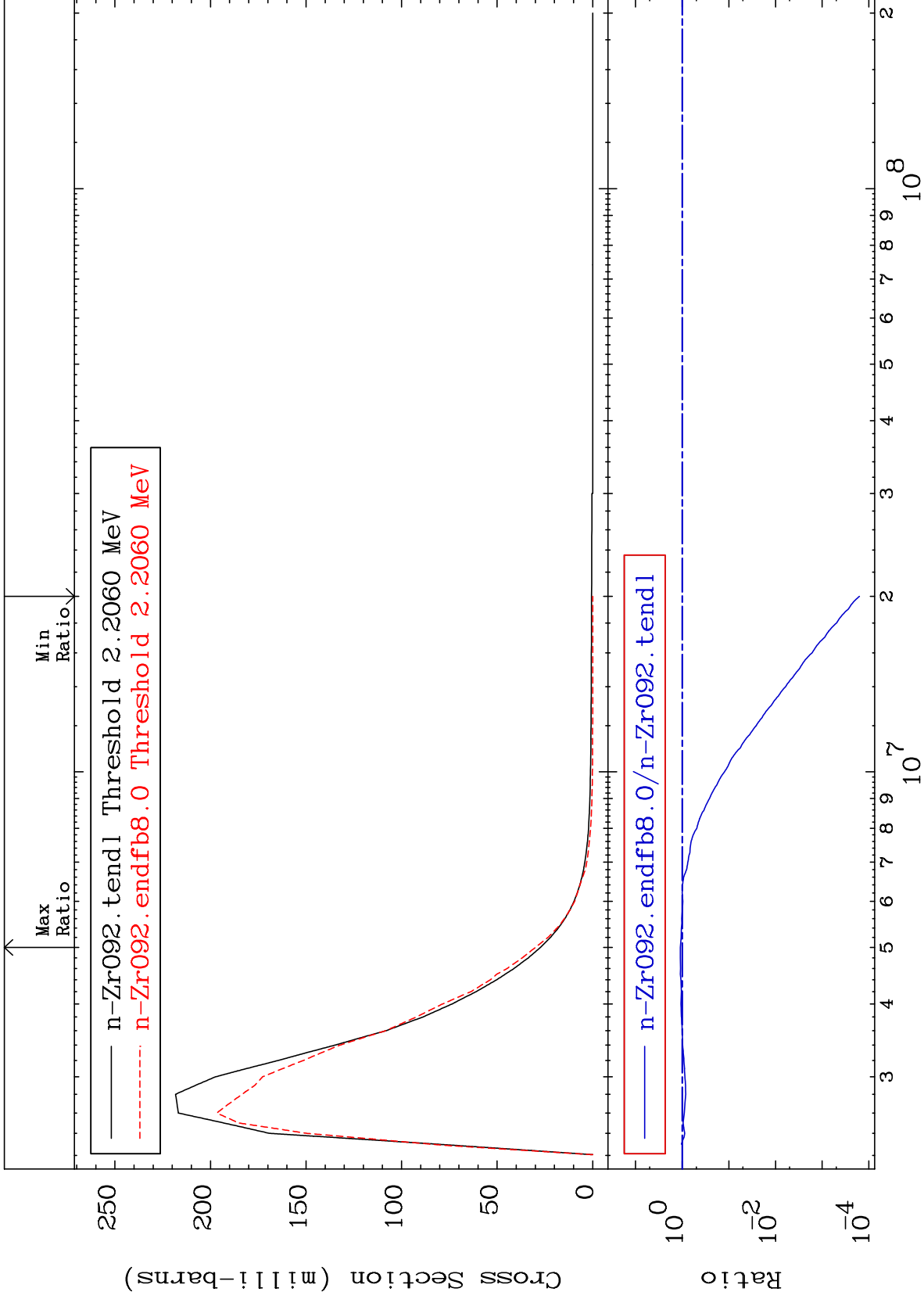
40-Zr-92
-10.43 To 135.8 %



MAT 4031

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

40-Zr-92
-99.98 To 9.637 %



15

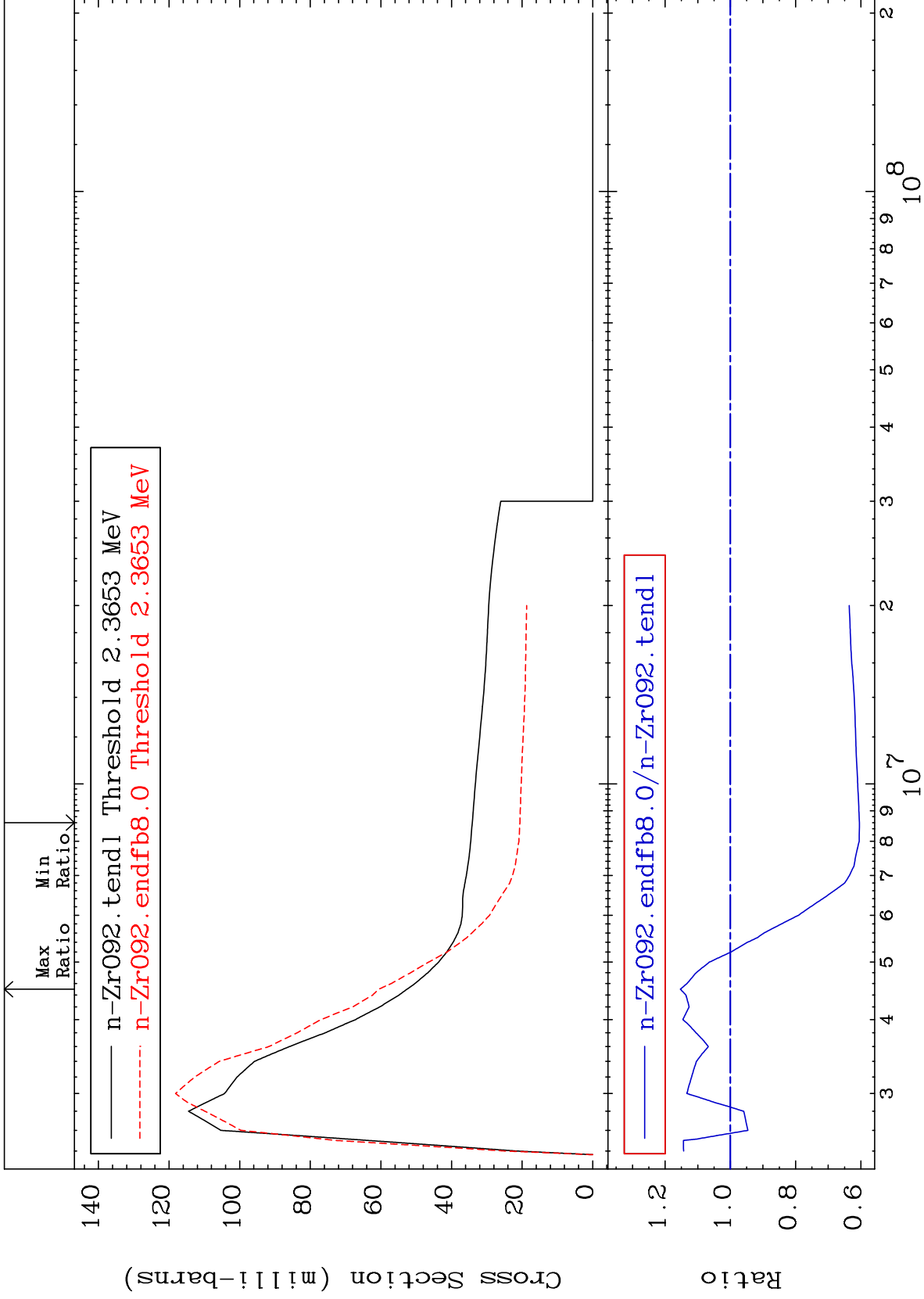
Incident Energy (eV)

40-Zr-92

MAT 4031

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

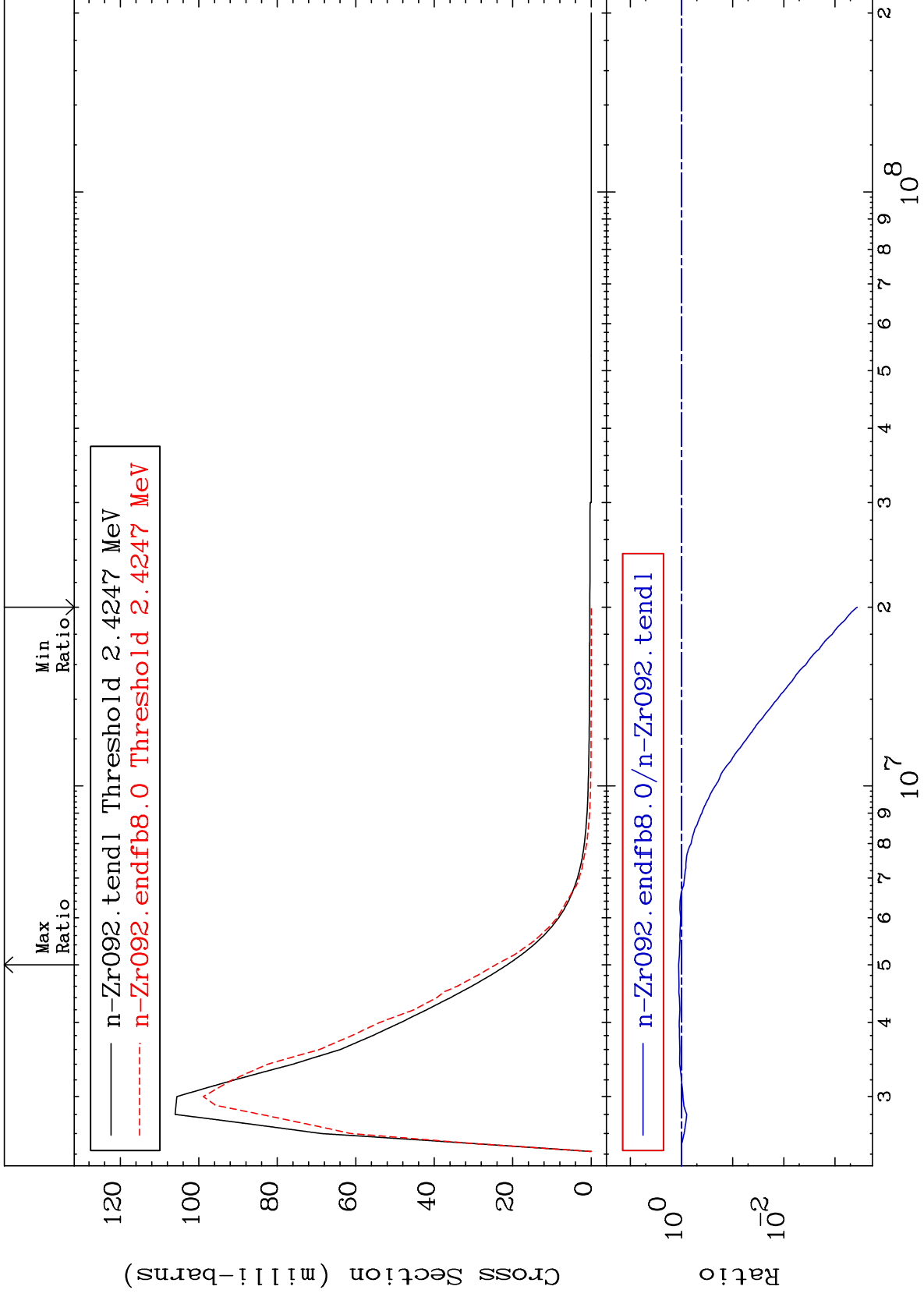
40-Zr-92
-39.57 To 15.33 %



MAT 4031

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

40-Zr-92
-99.96 To 13.89 %



17

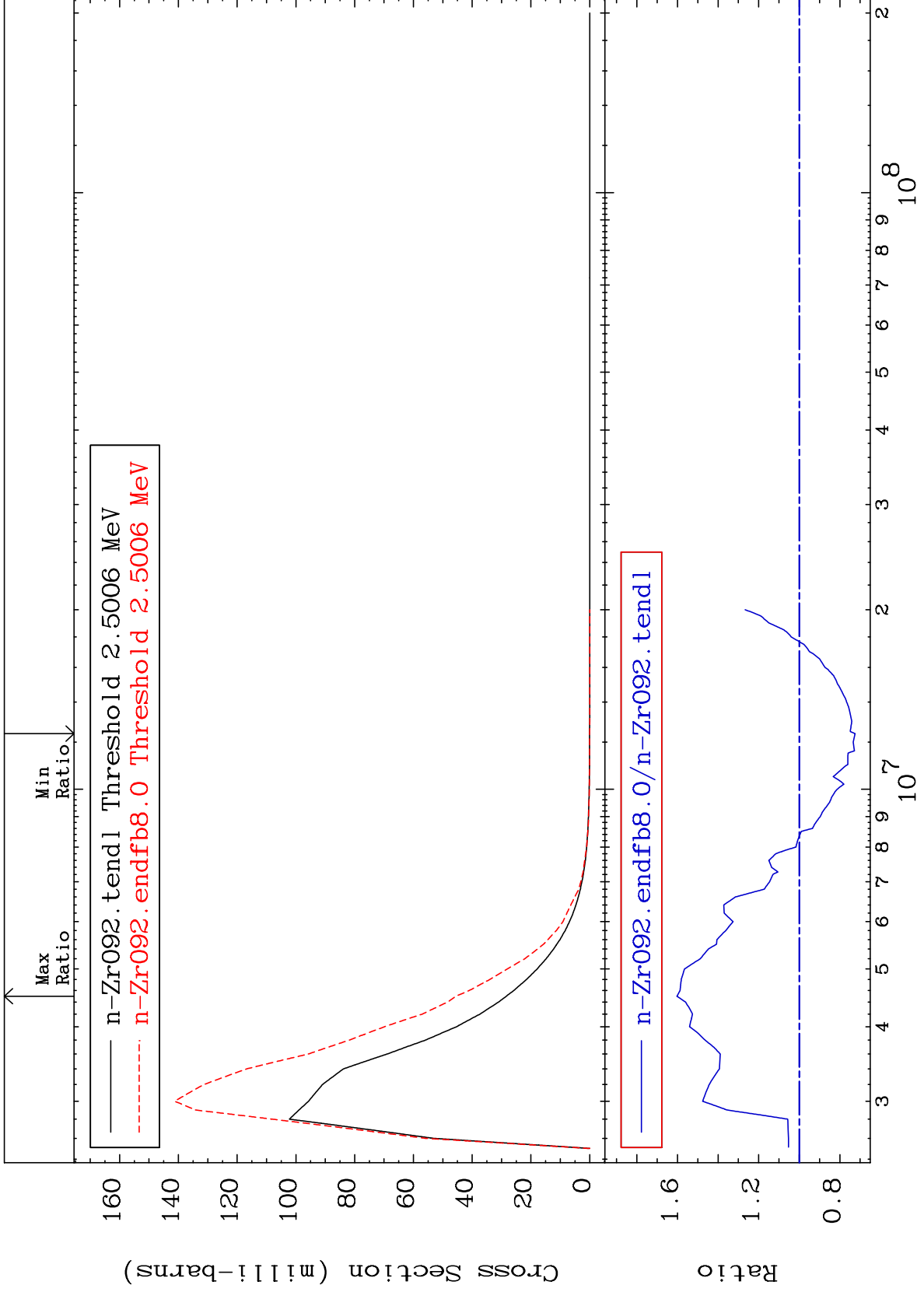
Incident Energy (eV)

40-Zr-92

MAT 4031

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

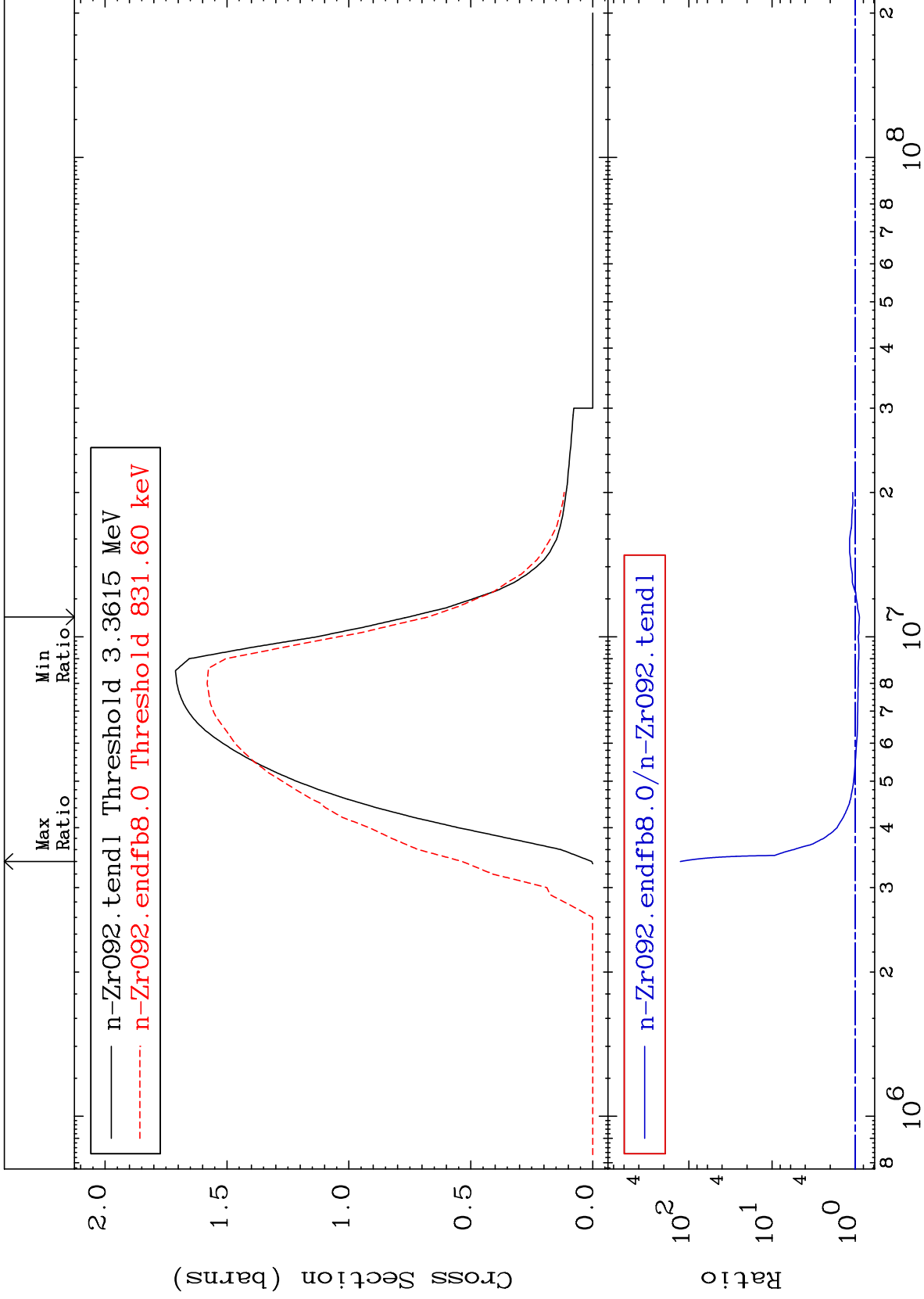
40-Zr-92
-27.51 To 60.27 %



MAT 4031

(n, n') Continuum
Cross Section

40-Zr-92
-10.67 To 9999. %



19

40-Zr-92

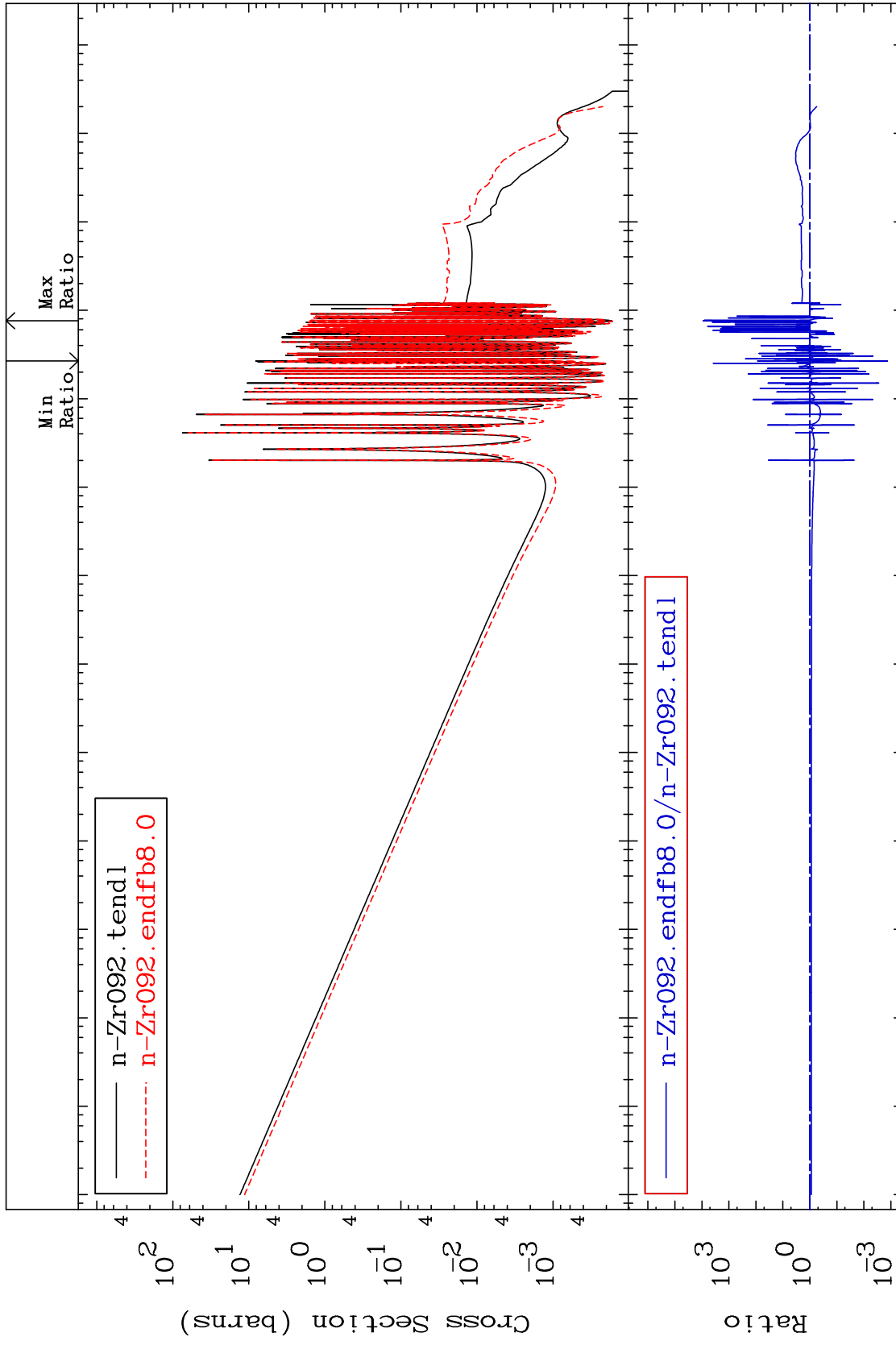
MAT 4031

(n, γ)

40-Zr-92

Cross Section

-99.87 To 9999. %



20

Incident Energy (eV)

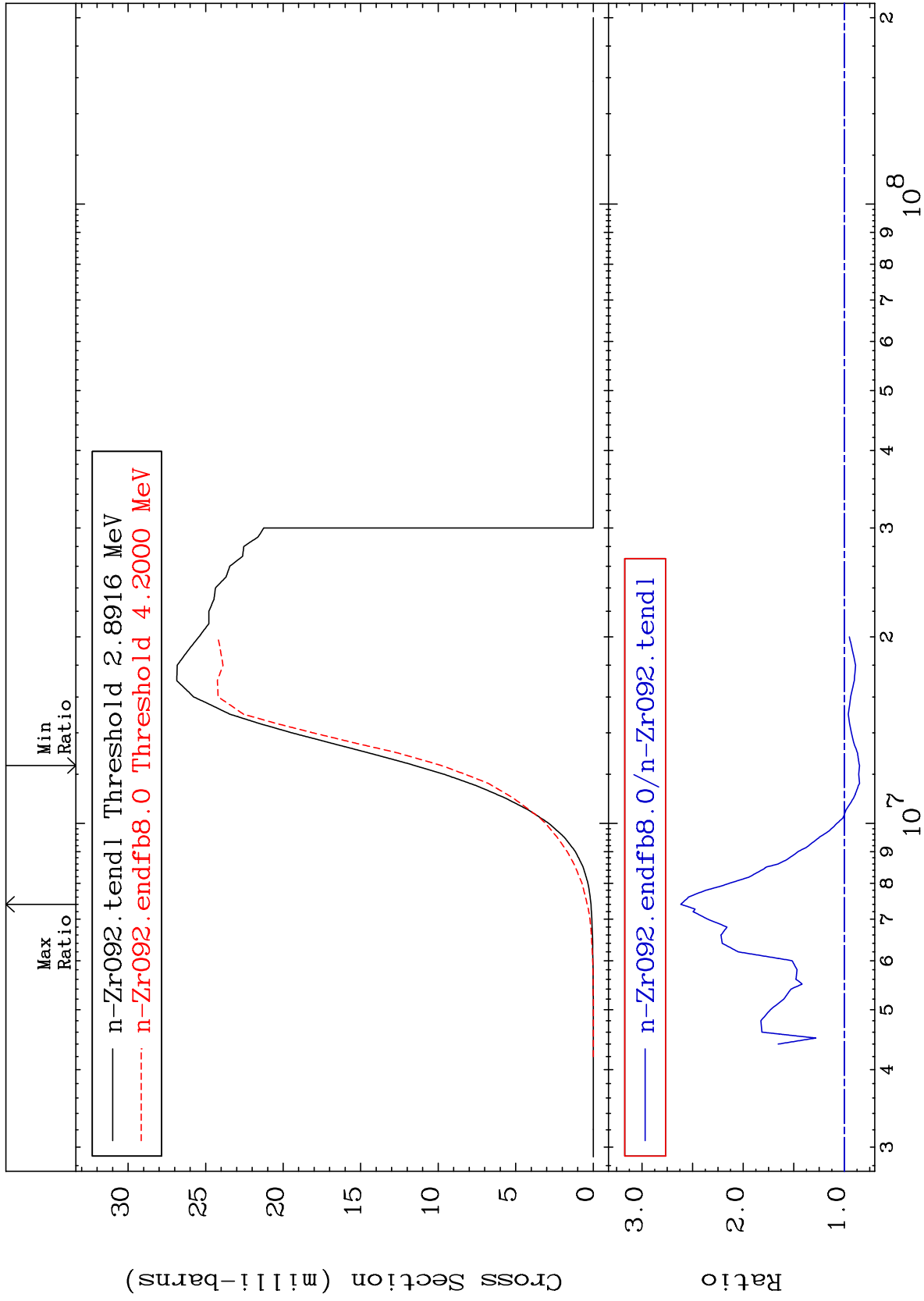
40-Zr-92

MAT 4031

40-Zr-92

-14.95 To 161.7 %

(n,p)
Cross Section



21

40-Zr-92

40-Zr-92

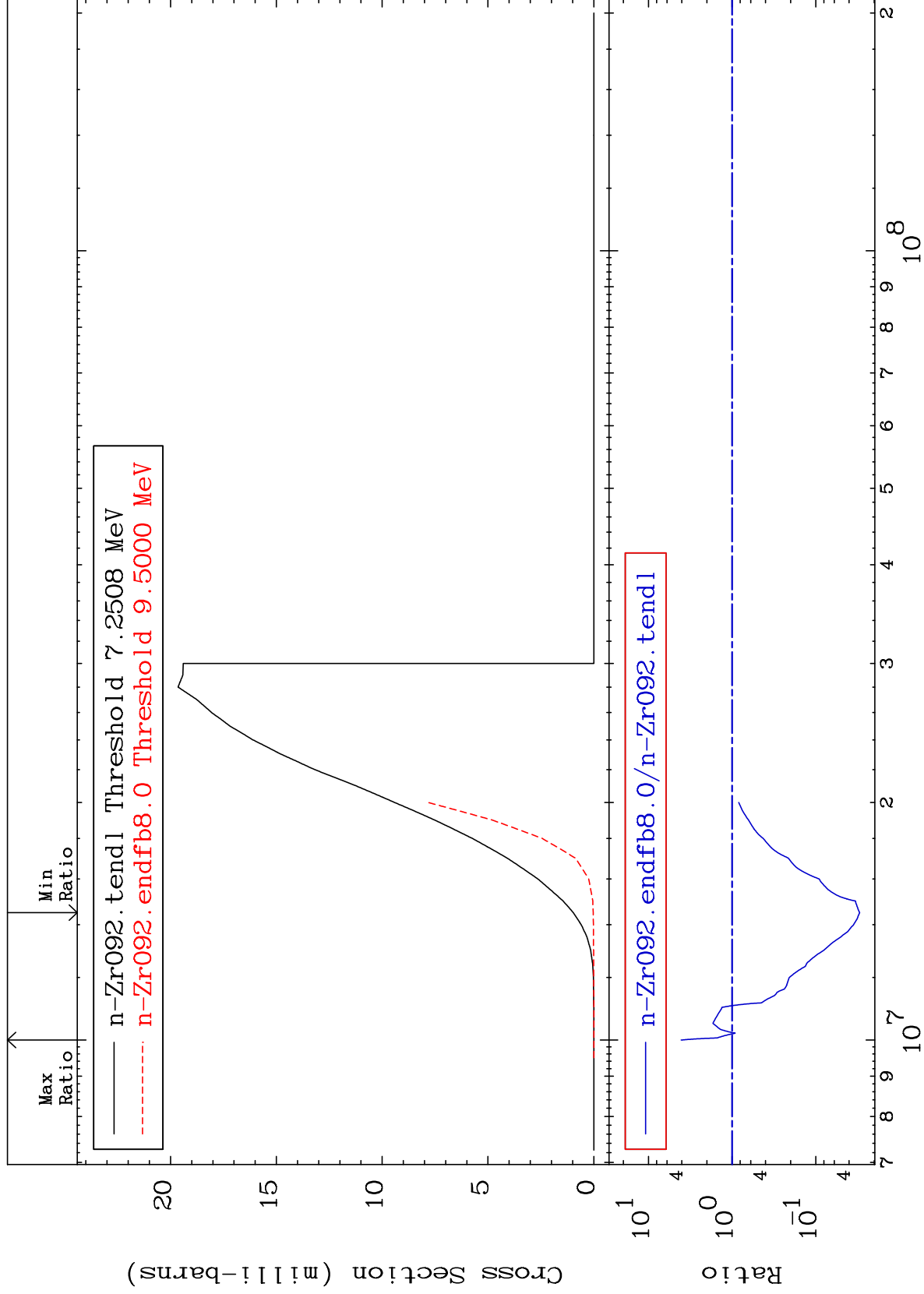
MAT 4031

(n, d)

40-Zr-92

Cross Section

-97.02 To 307.1 %



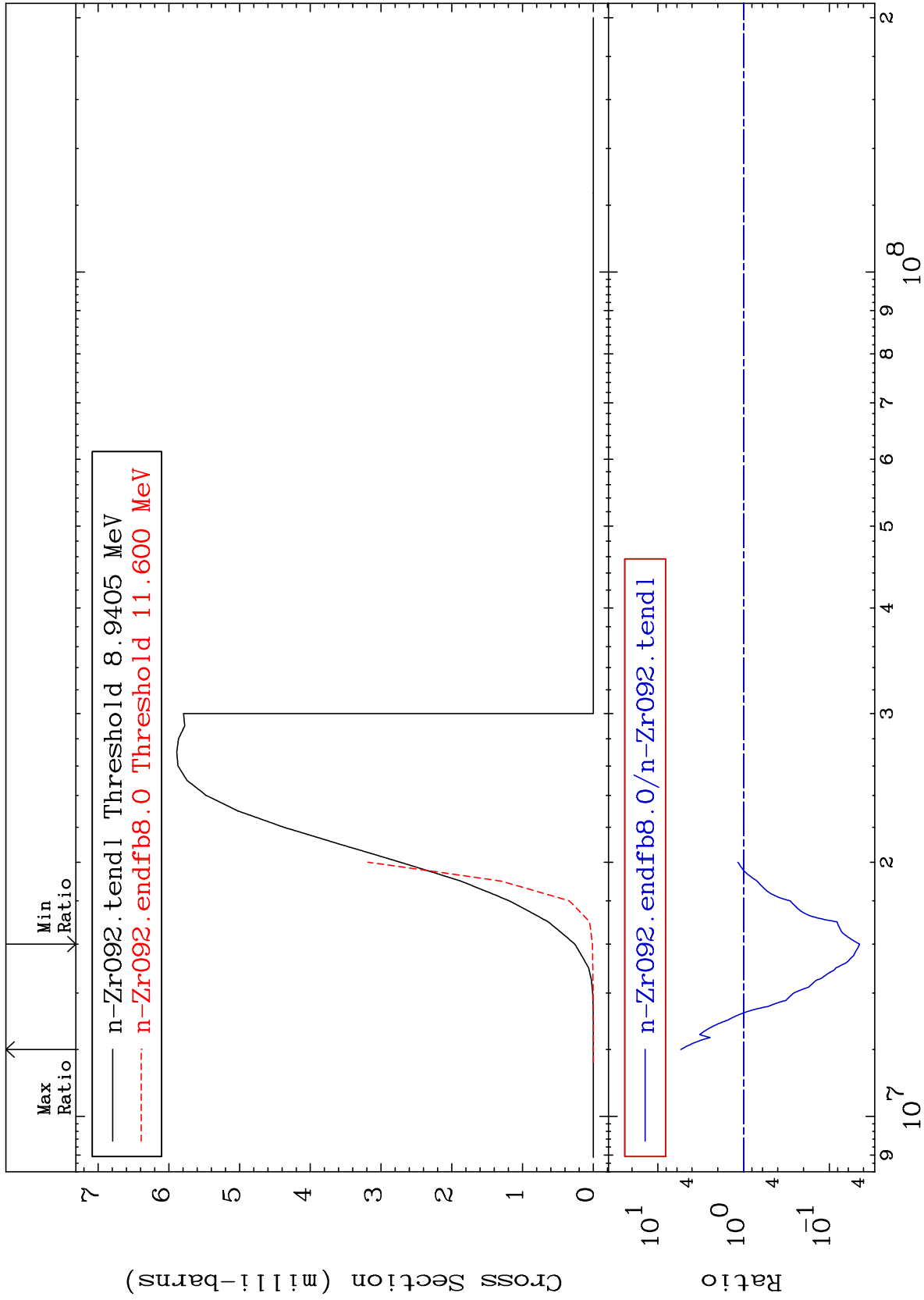
MAT 4031

(n, t)

40-Zr-92

Cross Section

-95.56 To 440.9 %



23

40-Zr-92

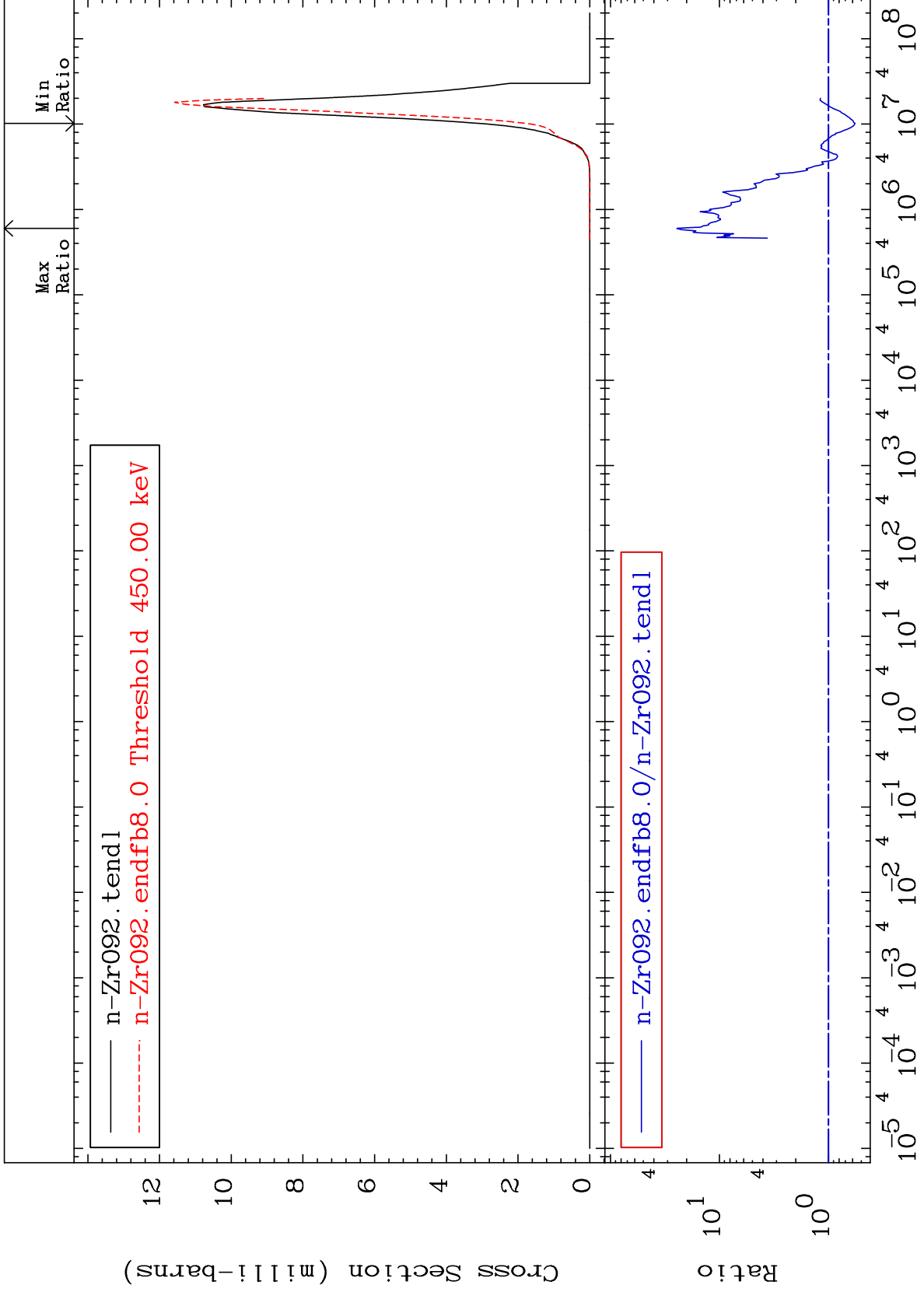
40-Zr-92

MAT 4031

(n, α)

Cross Section

40-Zr-92
-42.97 To 2358. %



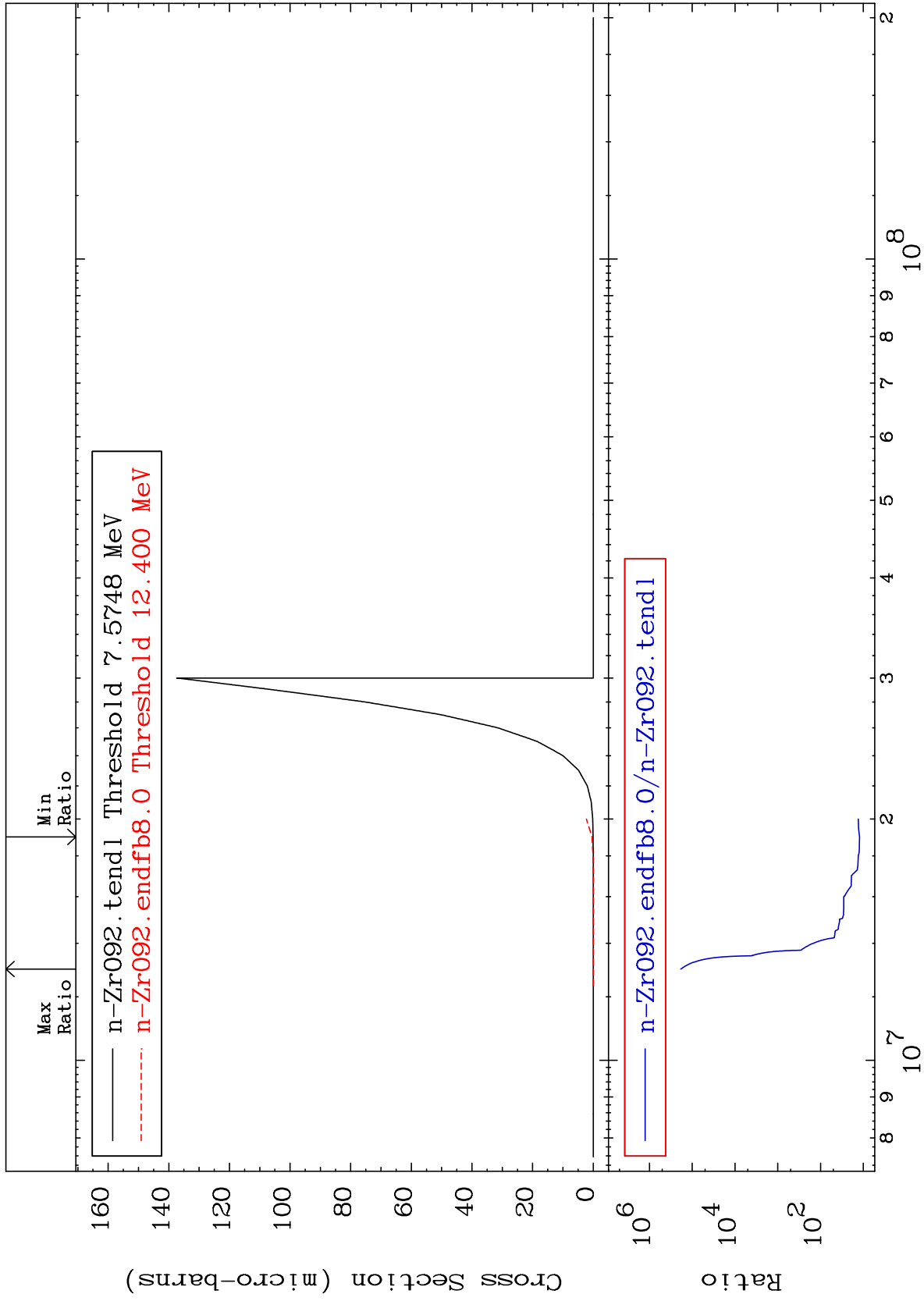
MAT 4031

(n, p) α

40-Zr-92

Cross Section

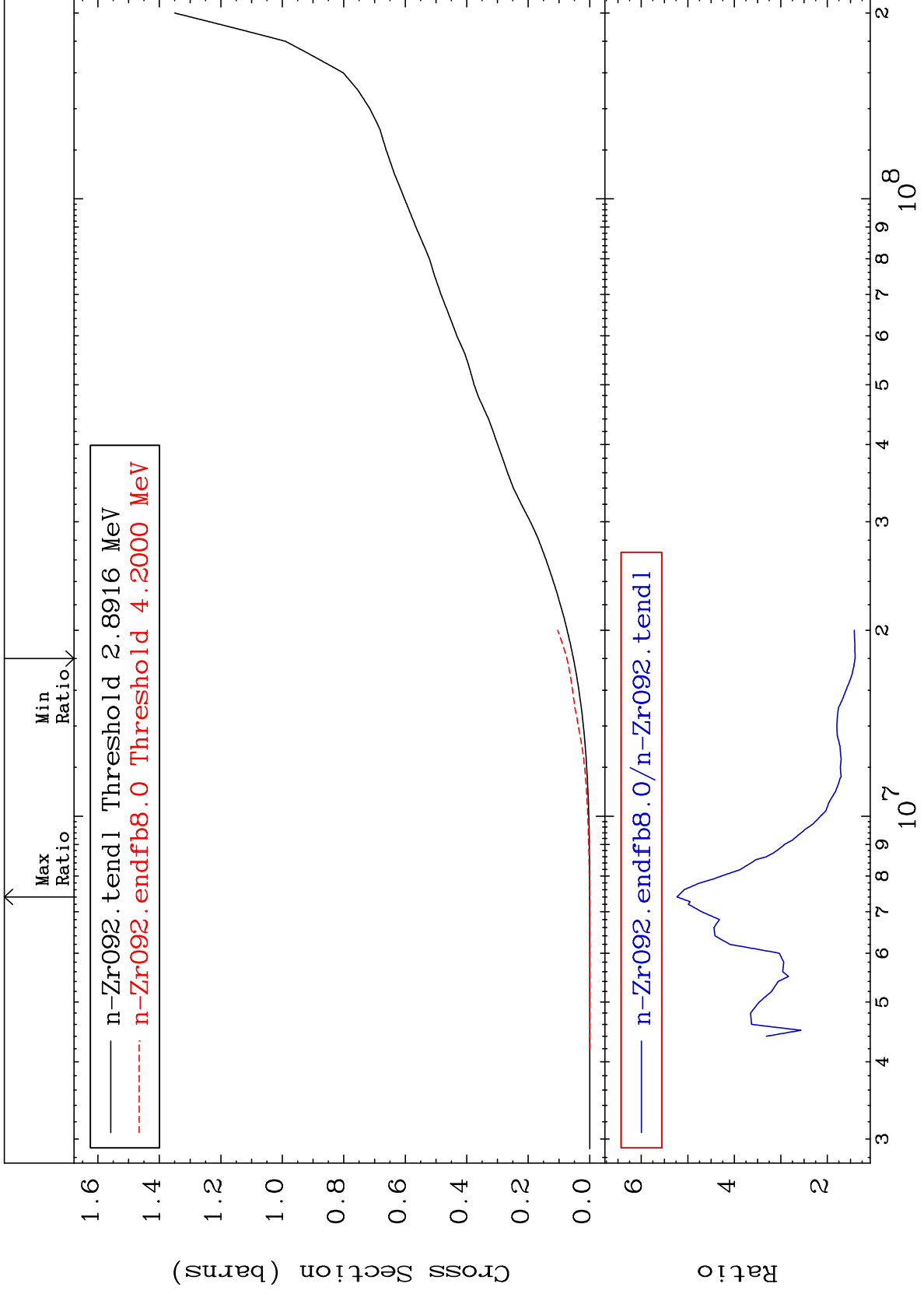
1124. To 9999. %



MAT 4031

Hydrogen Production
Cross Section

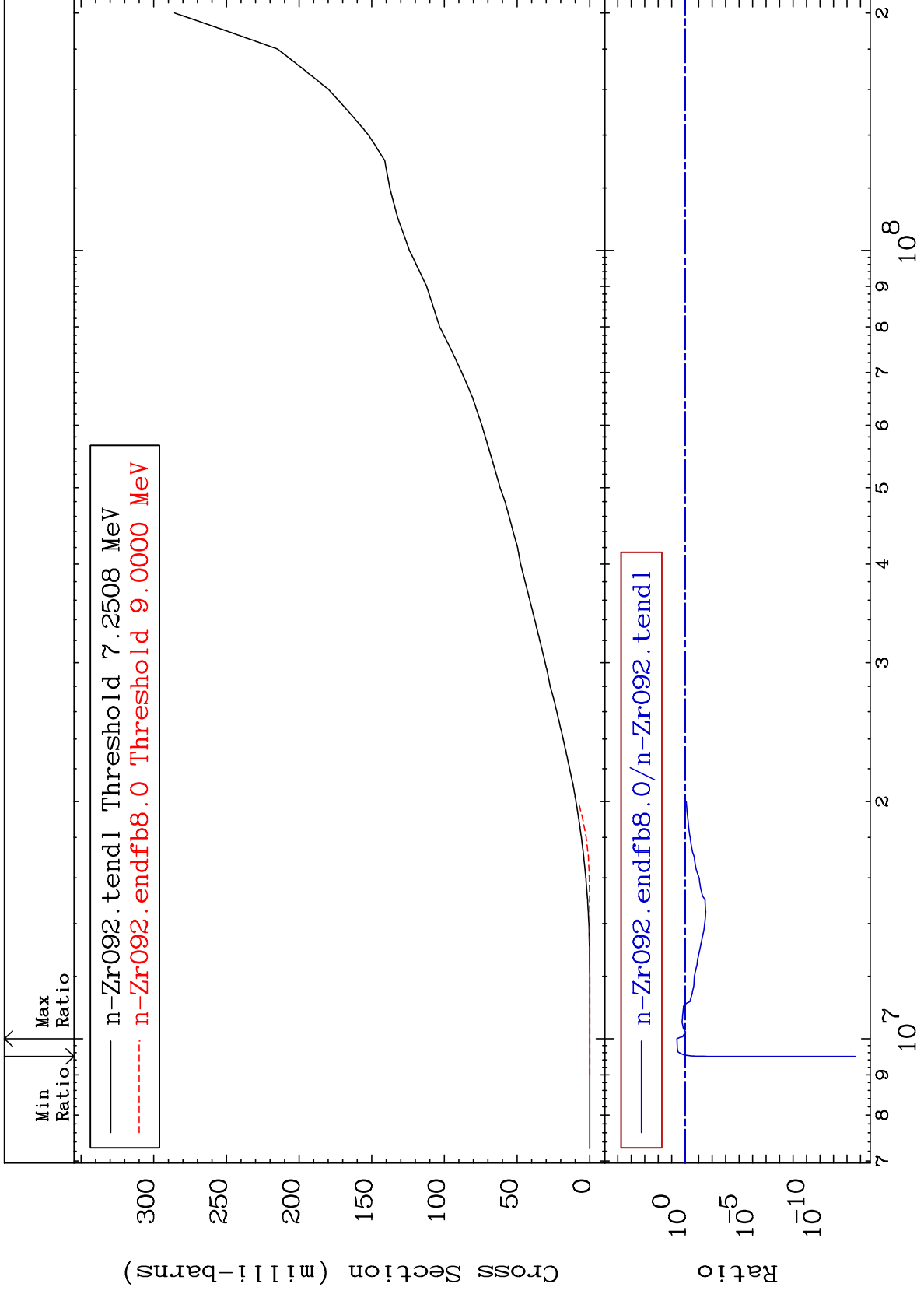
40-Zr-92
40.07 To 423.3 %



MAT 4031

Deuterium Production
Cross Section

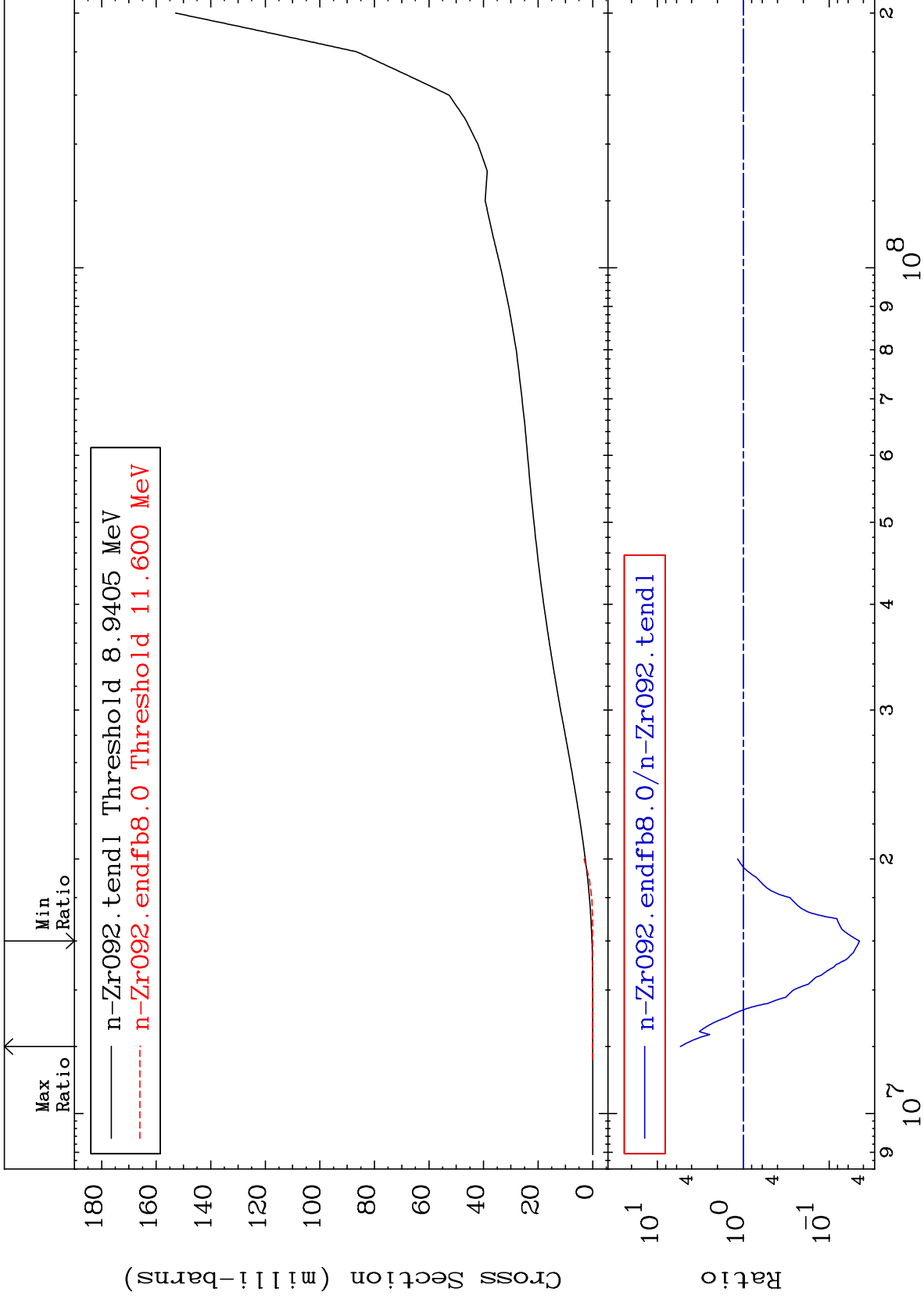
40-Zr-92
-100.0 To 307.1 %



MAT 4031

Tritium Production
Cross Section

40-Zr-92
-95.56 To 440.9 %



28

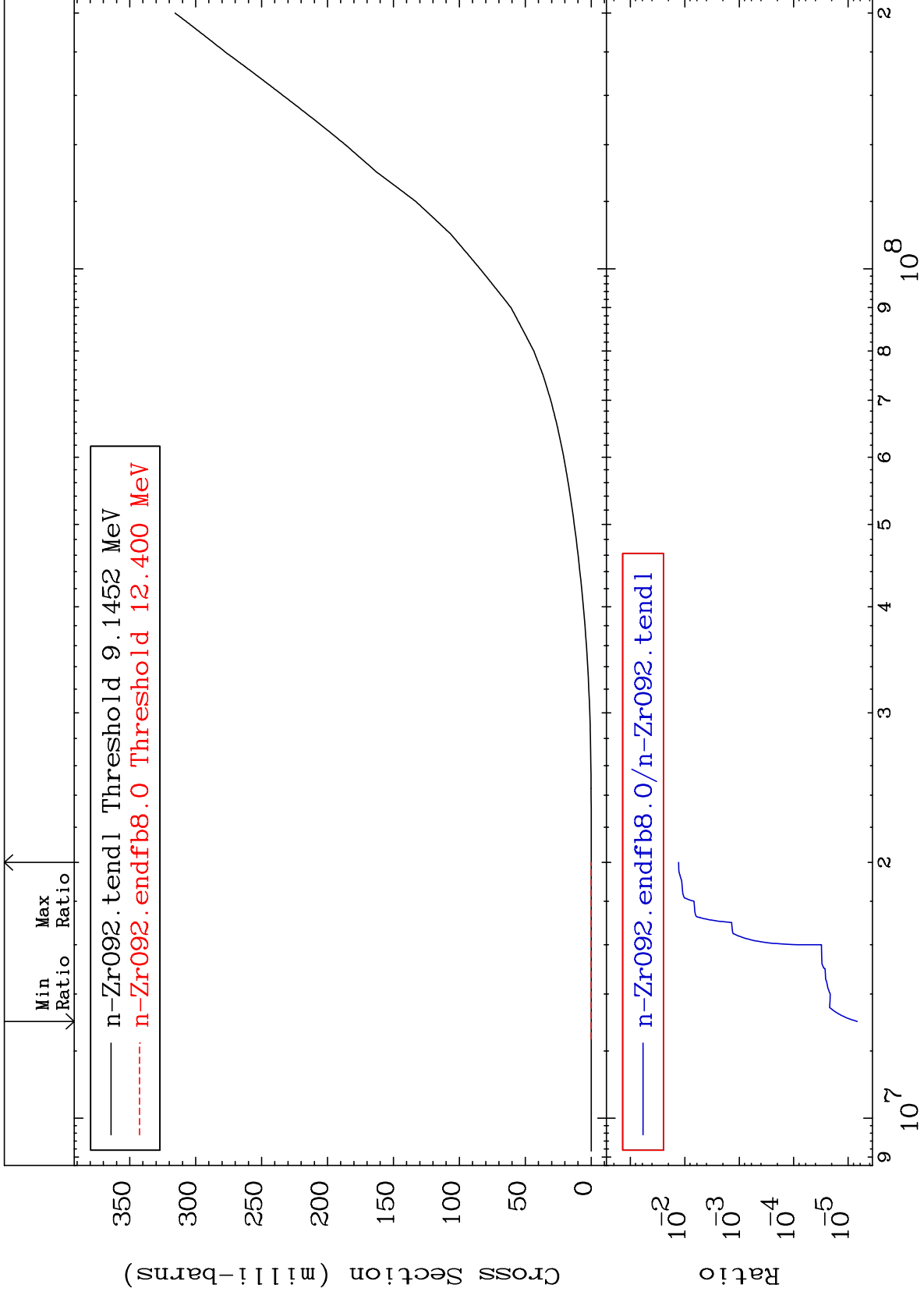
Incident Energy (eV)

40-Zr-92

MAT 4031

He-3 Production
Cross Section

40-Zr-92
-100.0 To -98.70%



29

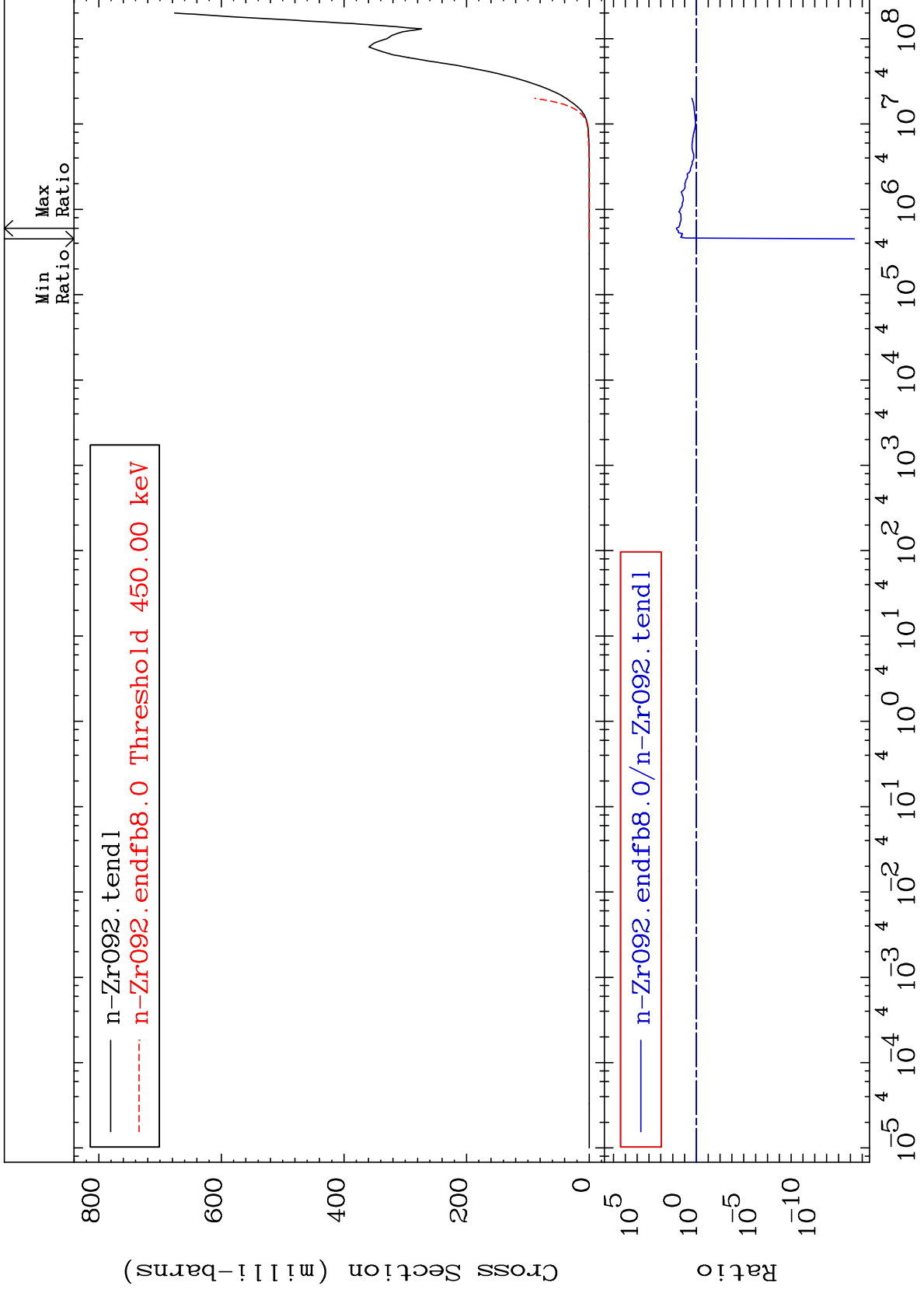
Incident Energy (eV)

40-Zr-92

MAT 4031

He-4 Production
Cross Section

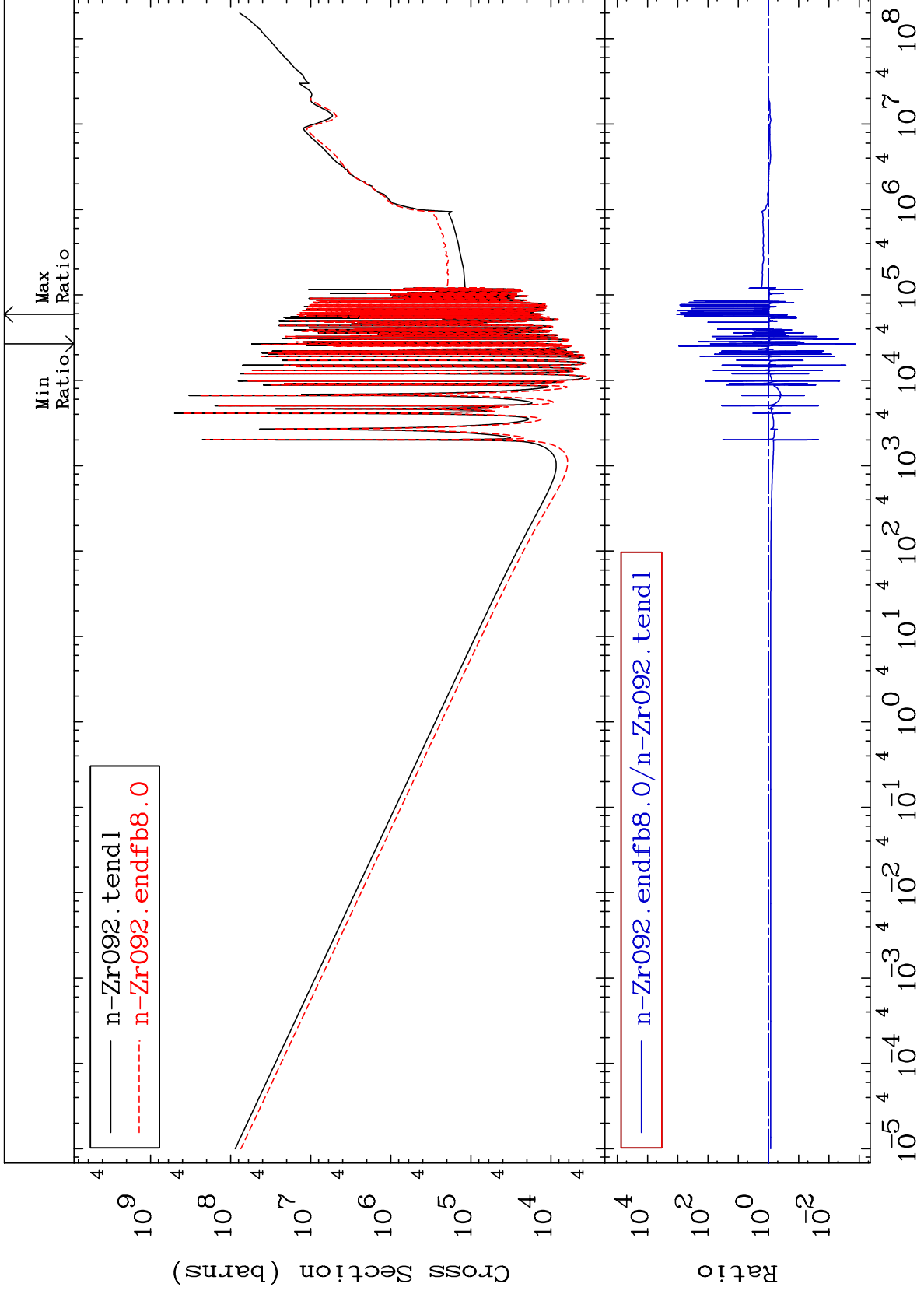
40-Zr-92
-100.0 To 4816. %



MAT 4031

Kerma total (eV-barns)
Cross Section

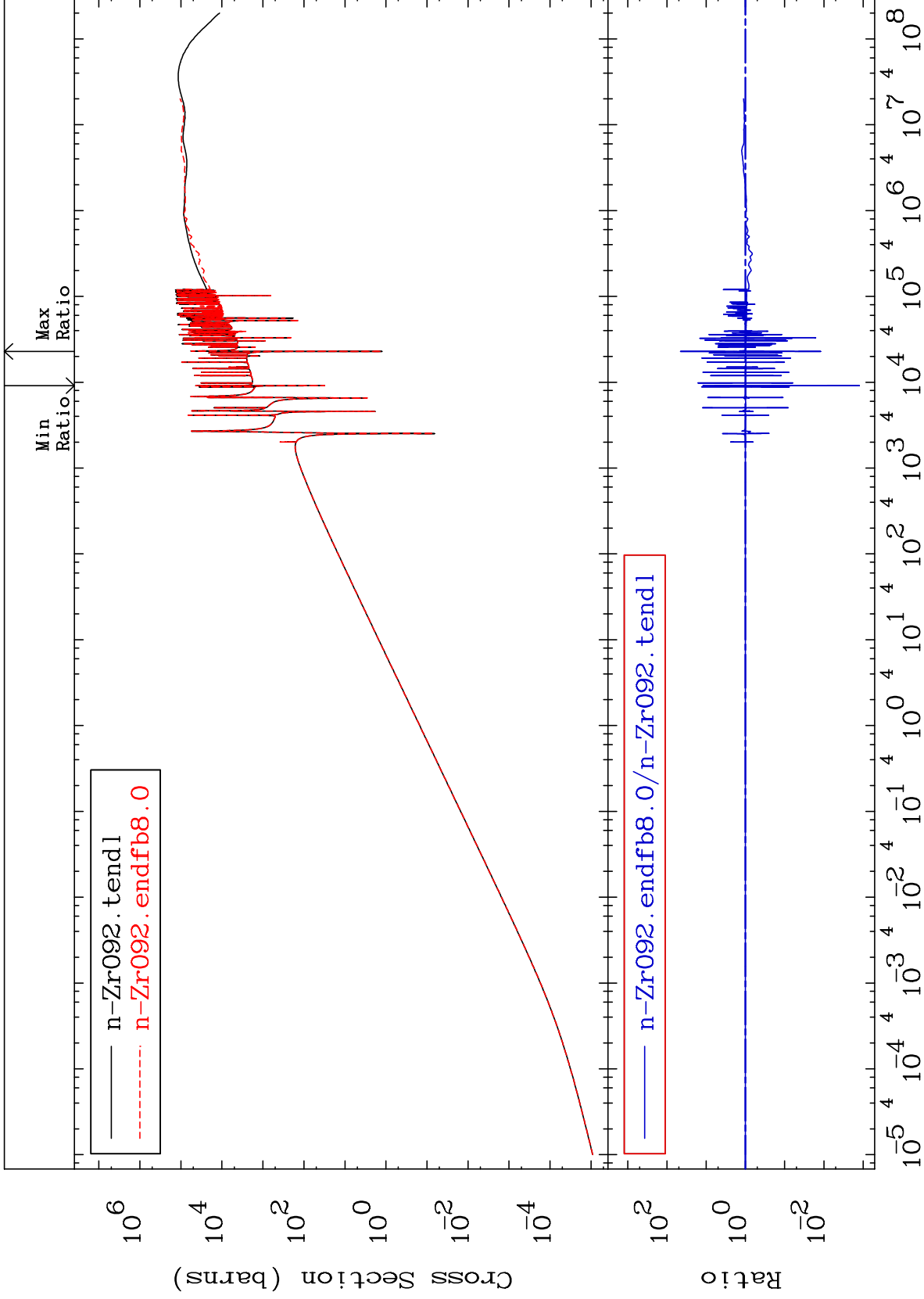
40-Zr-92
-99.86 To 9999. %



MAT 4031

Kerma elastic
Cross Section

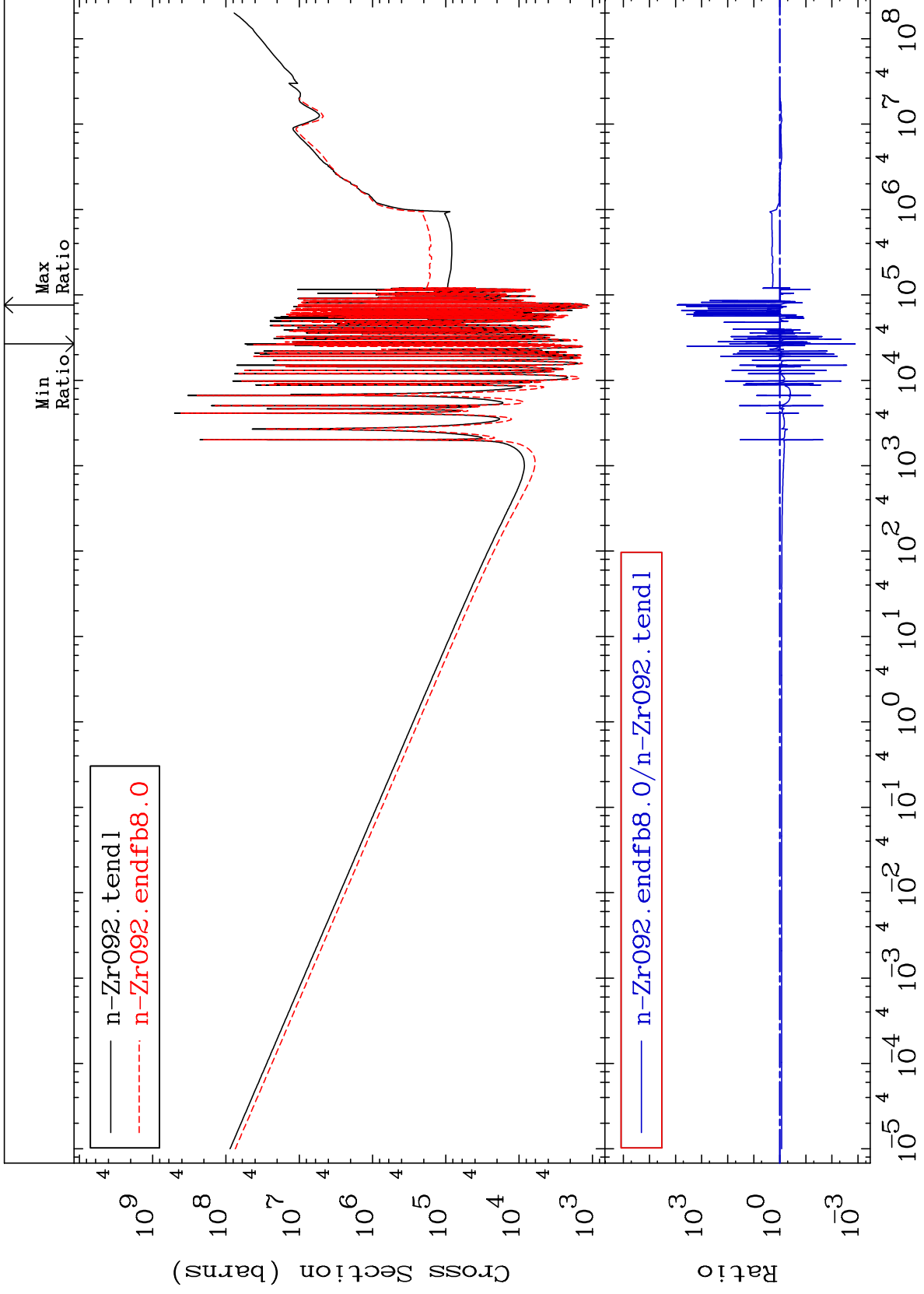
40-Zr-92
-99.88 To 4469. %



MAT 4031

Kerma non-elastic (all but mt2)
Cross Section

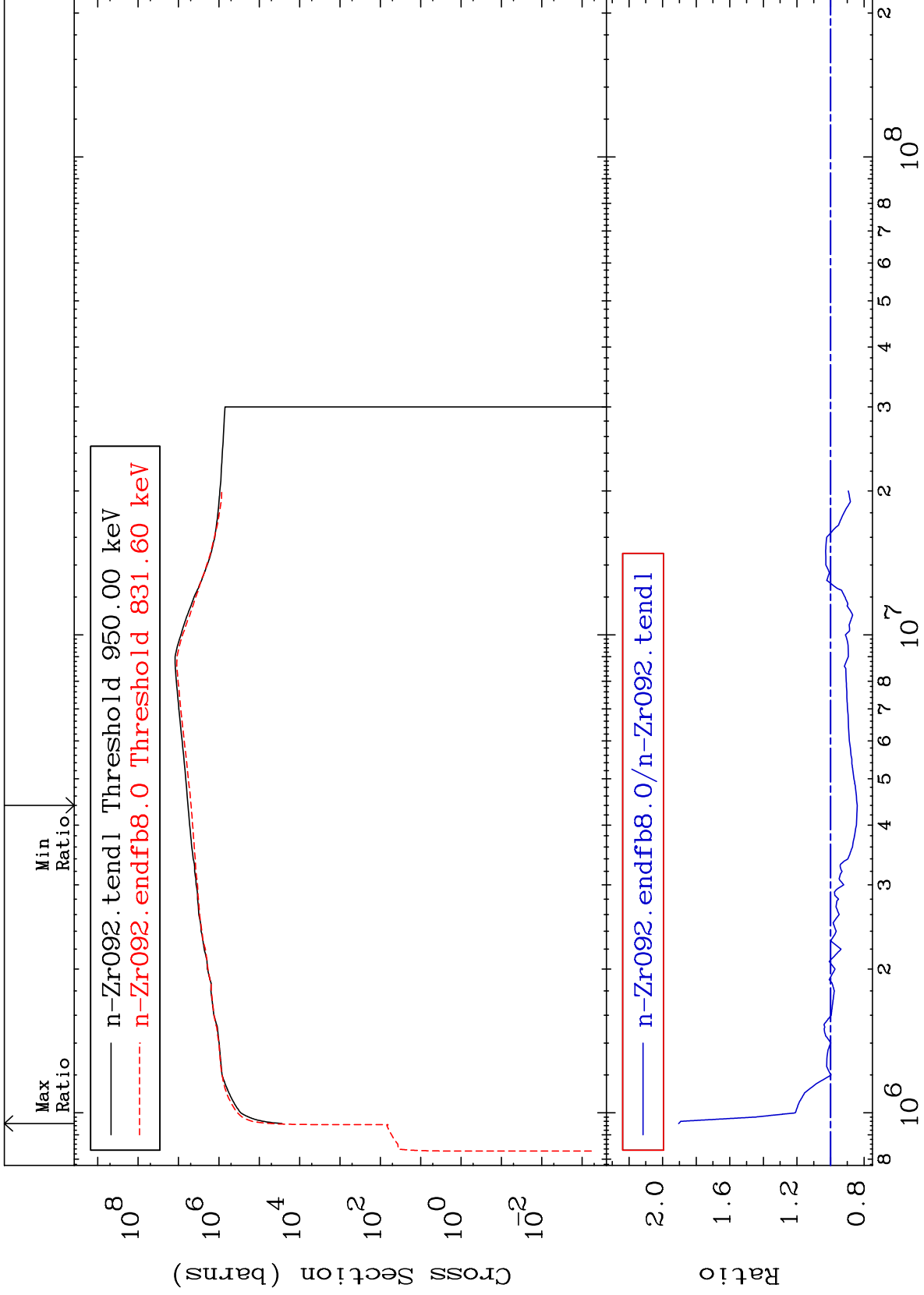
40-Zr-92
-99.87 To 9999. %



MAT 4031

Kerma inelastic (mt51-91)
Cross Section

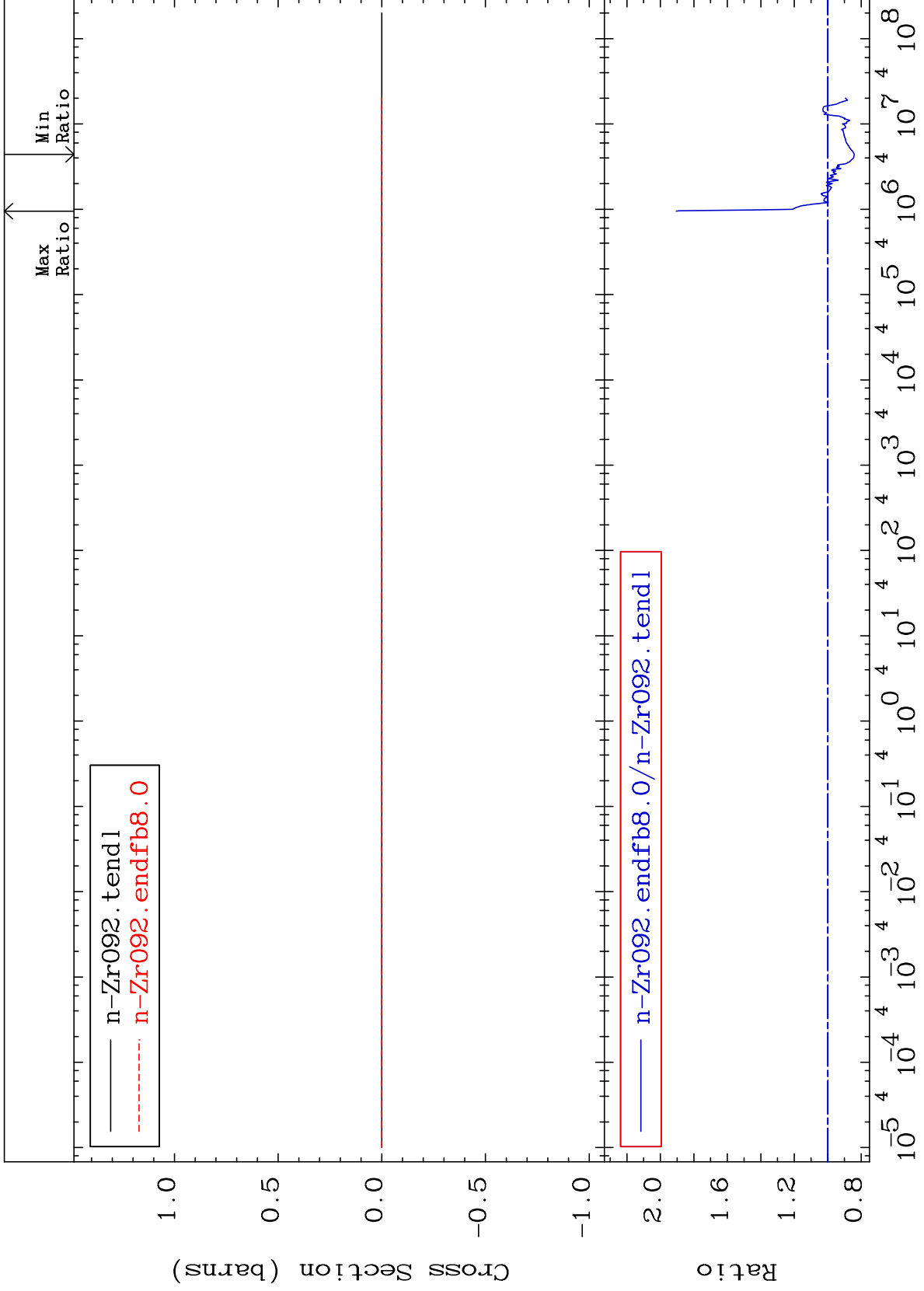
40-Zr-92
-15.90 To 90.45 %



MAT 4031

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

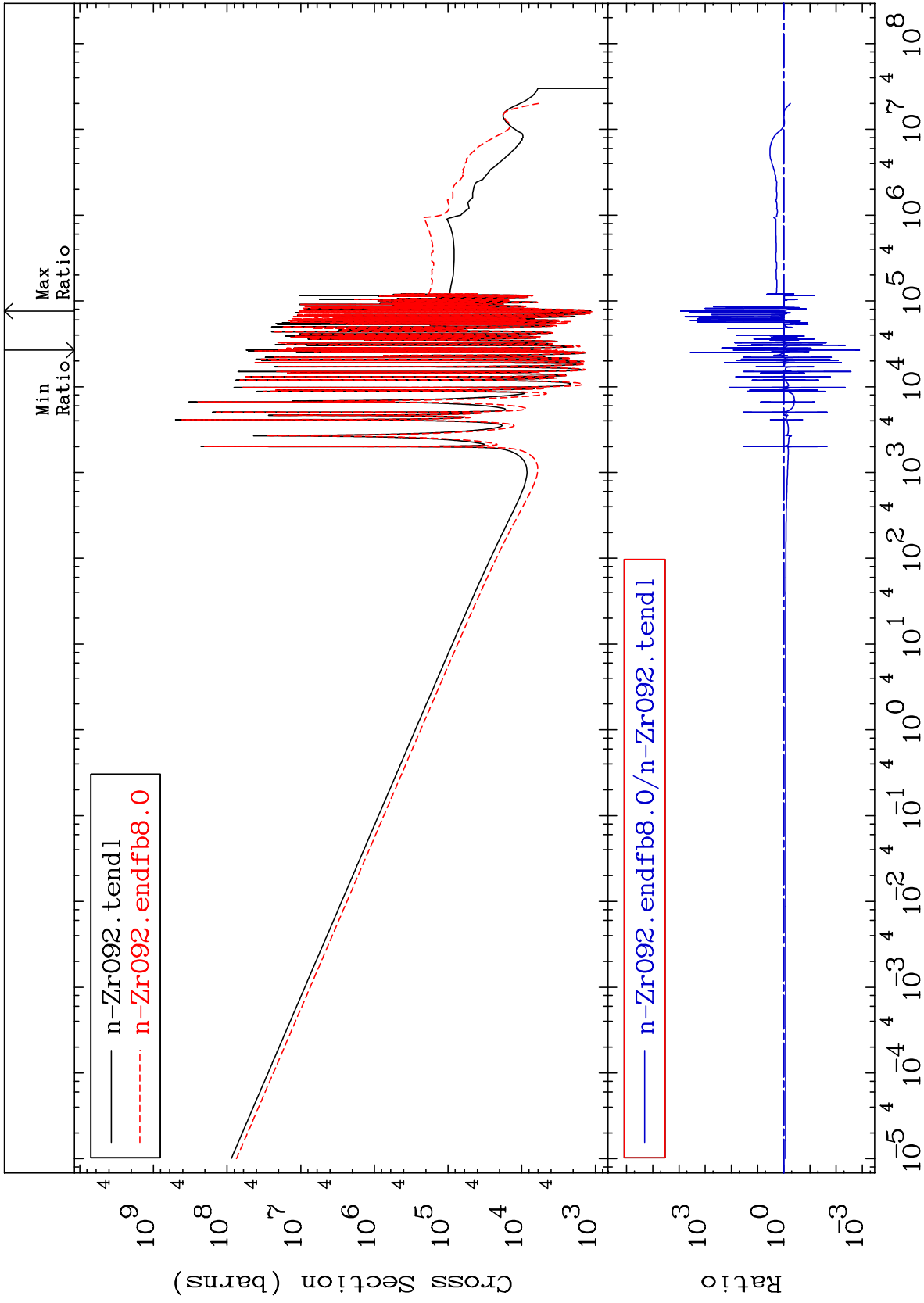
40-Zr-92
-15.90 To 90.45 %



MAT 4031

Kerma capture (mt102)
Cross Section

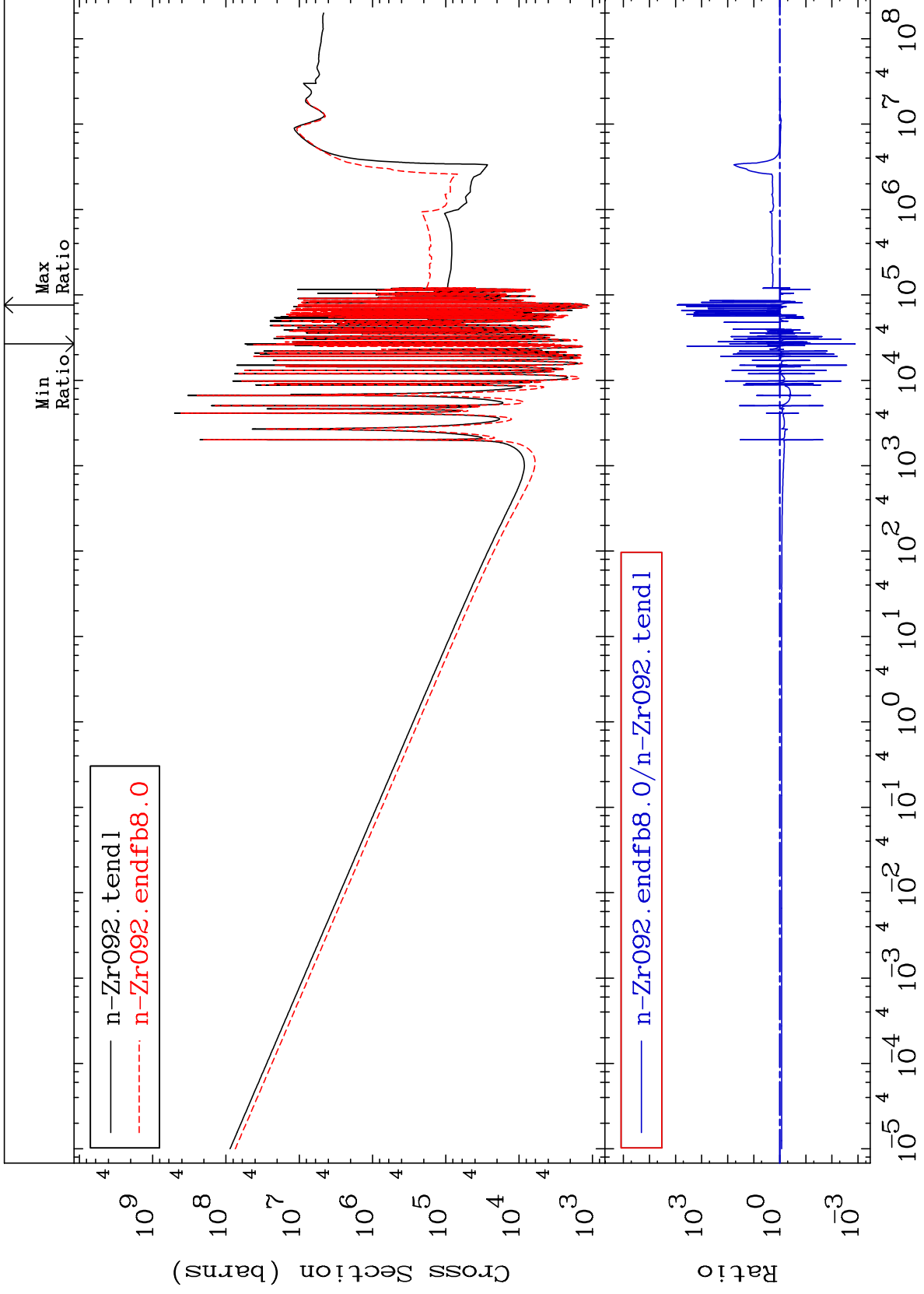
40-Zr-92
-99.87 To 9999. %



MAT 4031

Total photon (eV-barns)
Cross Section

40-Zr-92
-99.87 To 9999. %



37

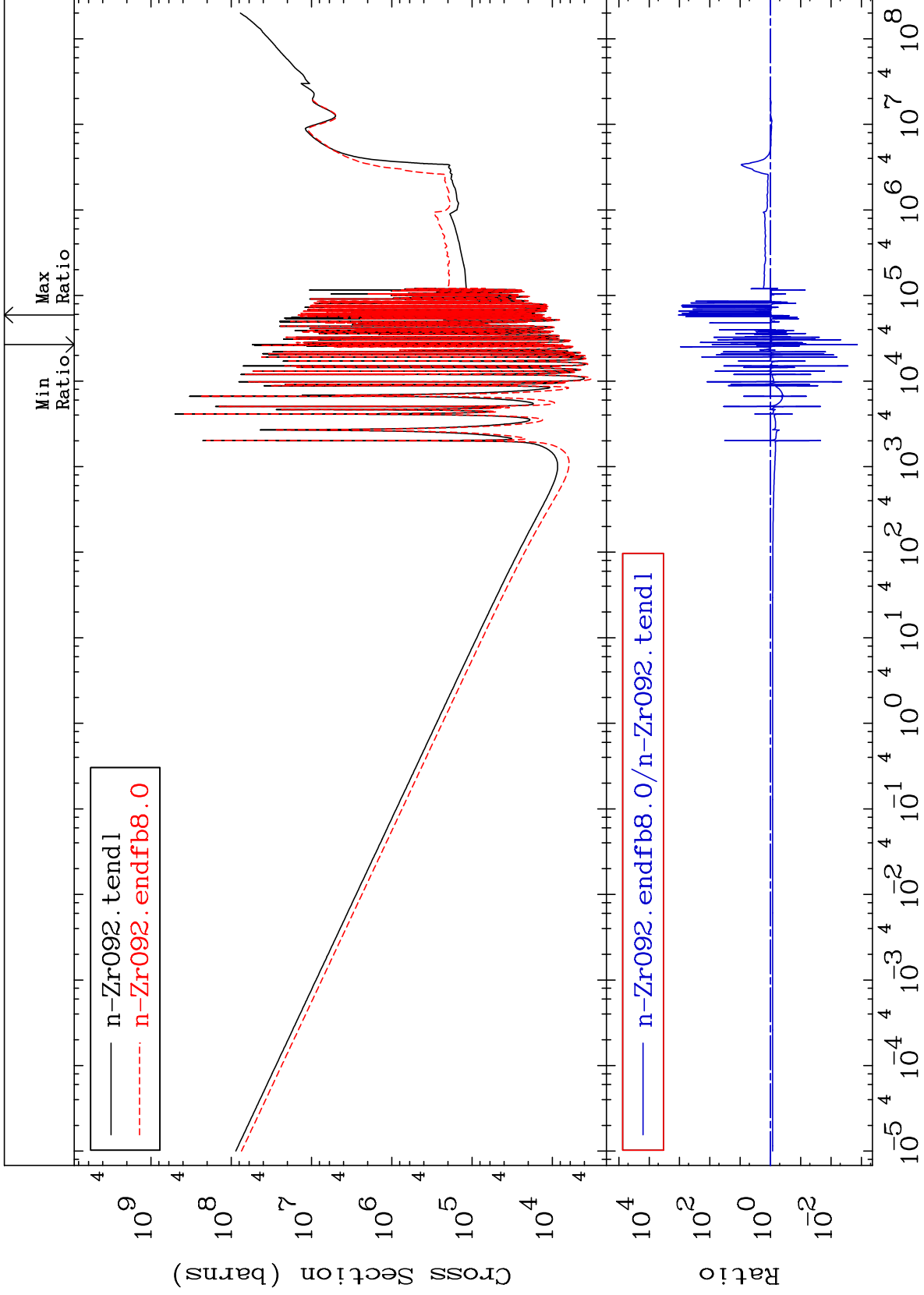
Incident Energy (eV)

40-Zr-92

MAT 4031

Total kinematic kerma (high limit)
Cross Section

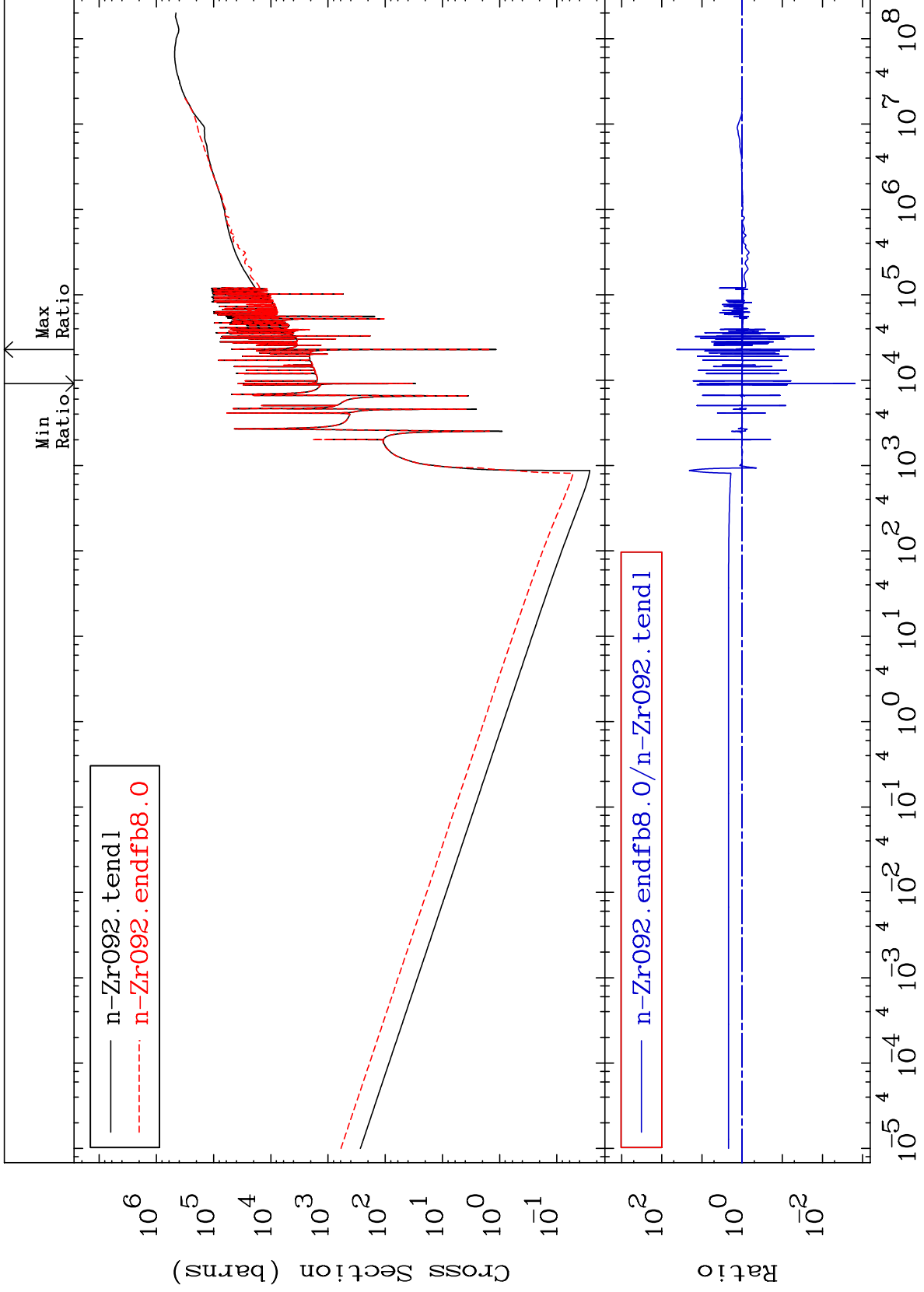
40-Zr-92
-99.86 To 9999. %



MAT 4031

Dpa total (eV-barns)
Cross Section

40-Zr-92
-99.85 To 4092. %



39

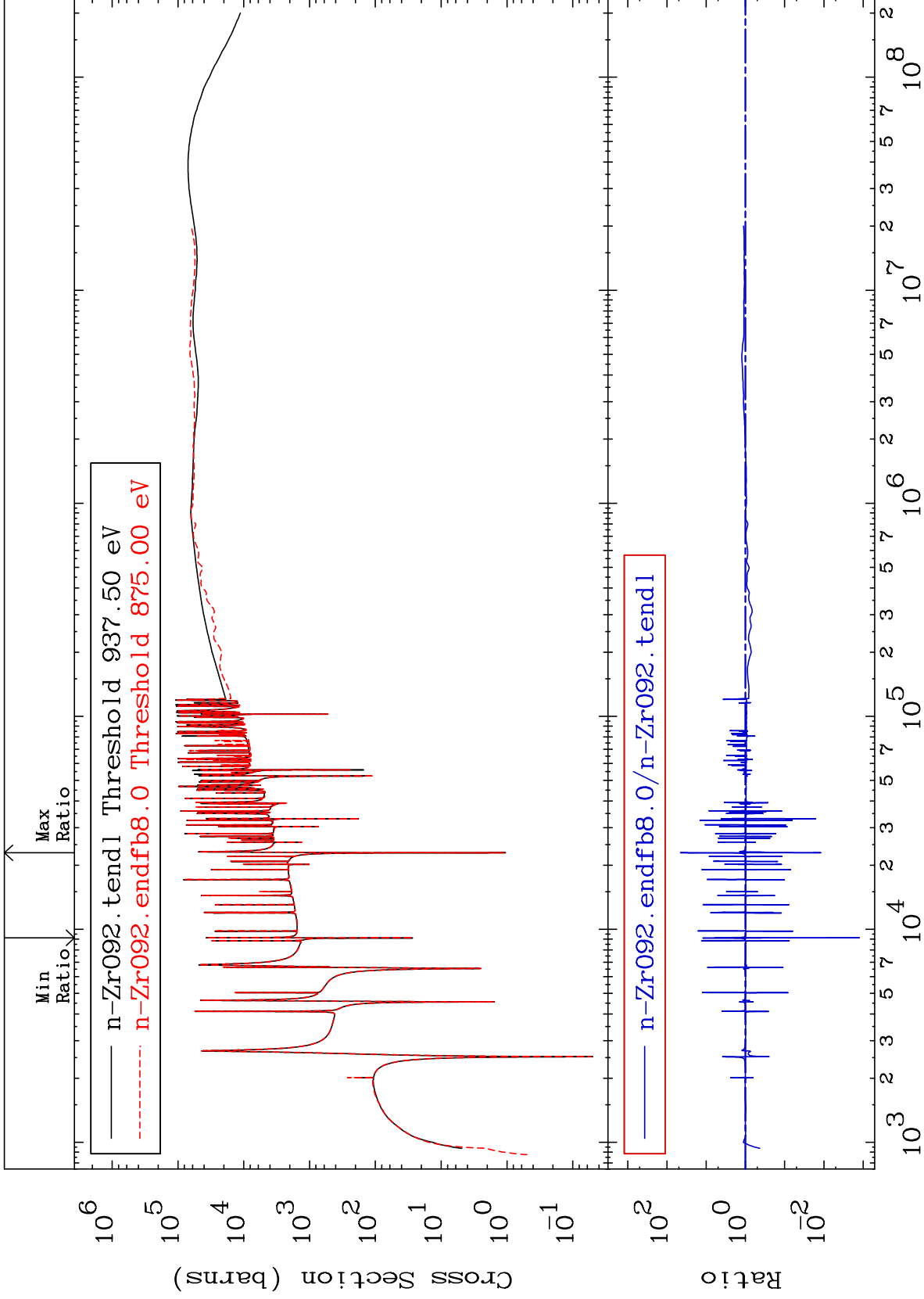
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa elastic (mt2)
Cross Section

40-Zr-92
-99.88 To 4469. %



40

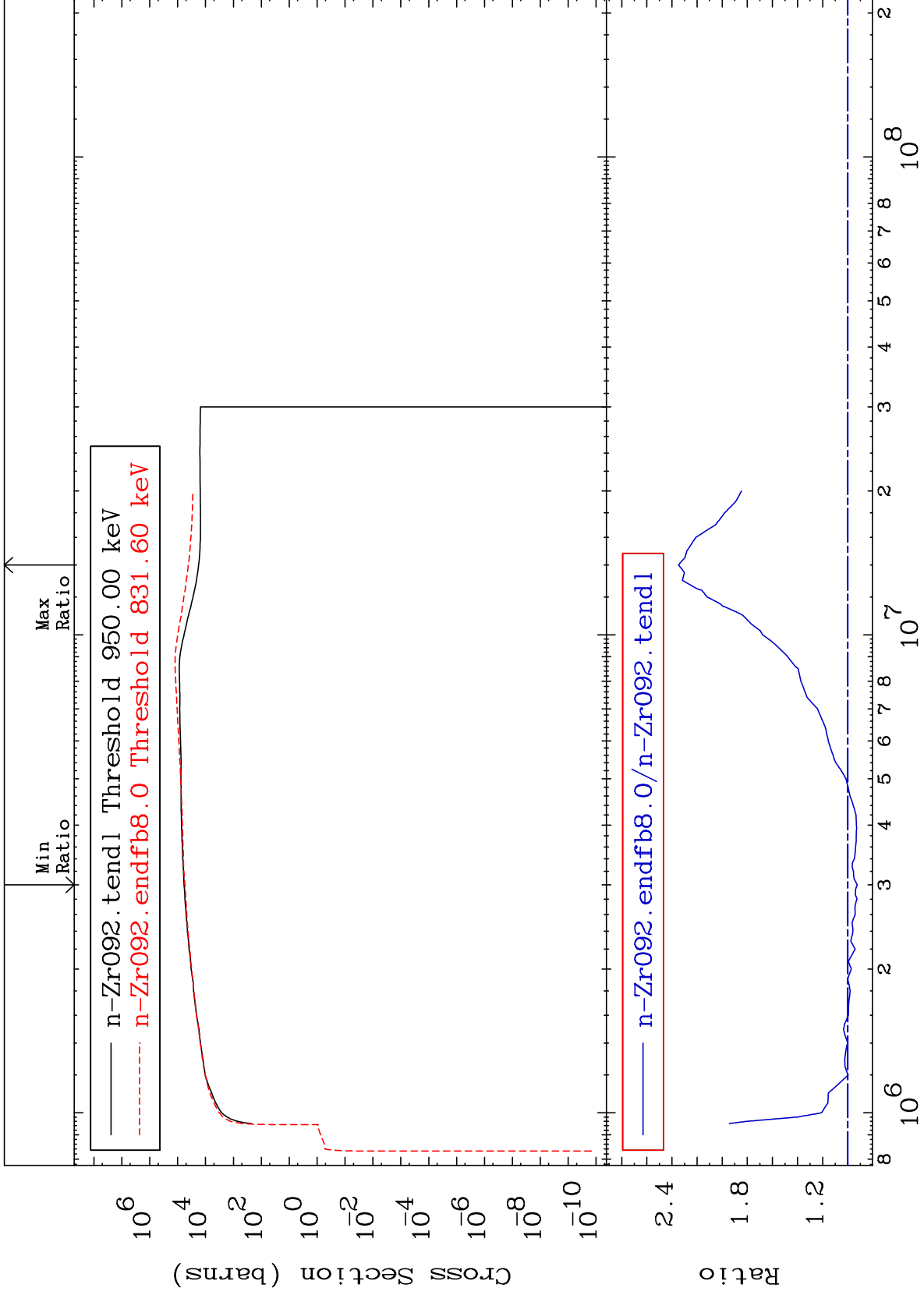
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa inelastic (mt51-91)
Cross Section

40-Zr-92
-7.545 To 134.7 %



41

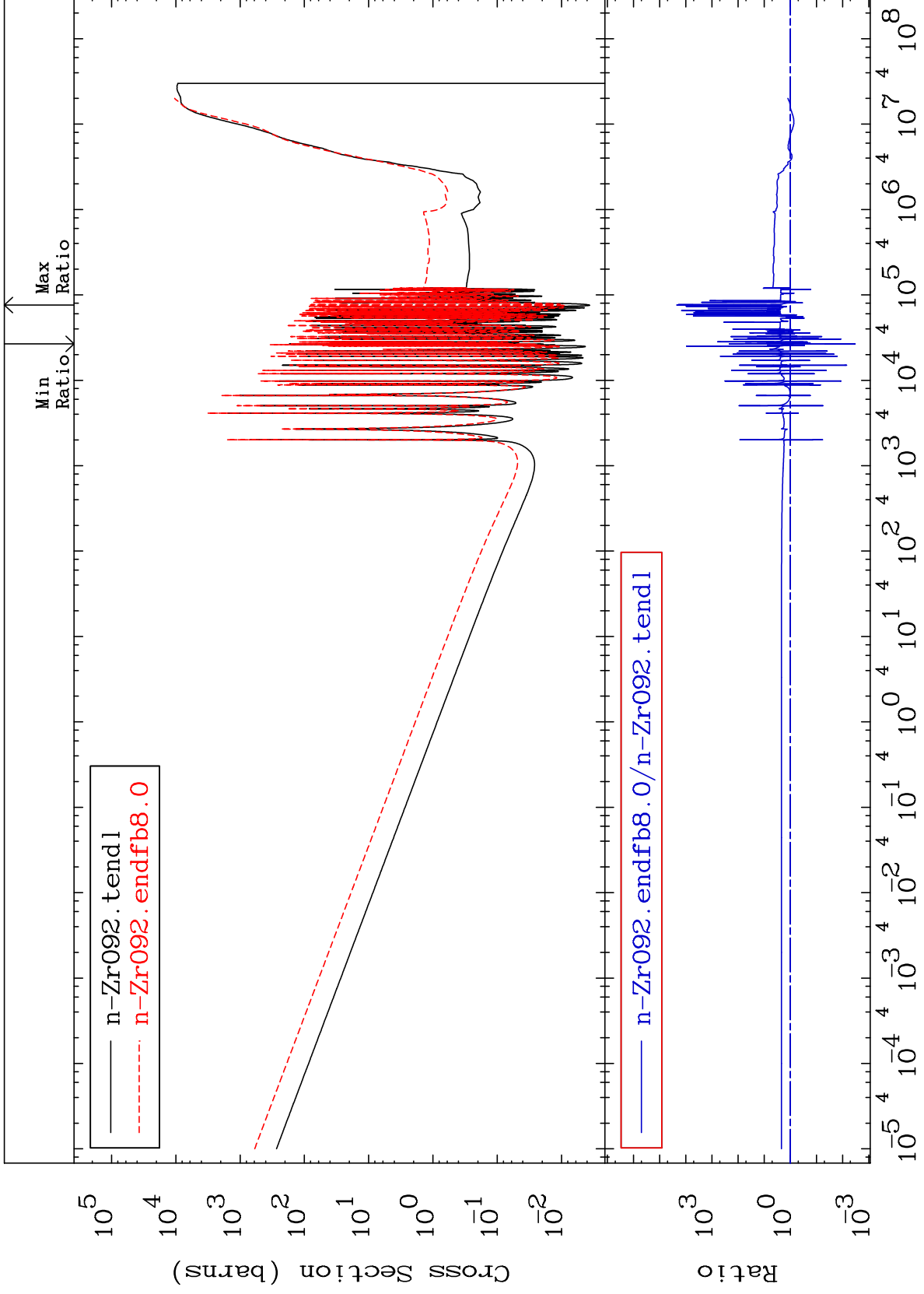
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-92
-99.67 To 9999. %



42

Incident Energy (eV)

40-Zr-92