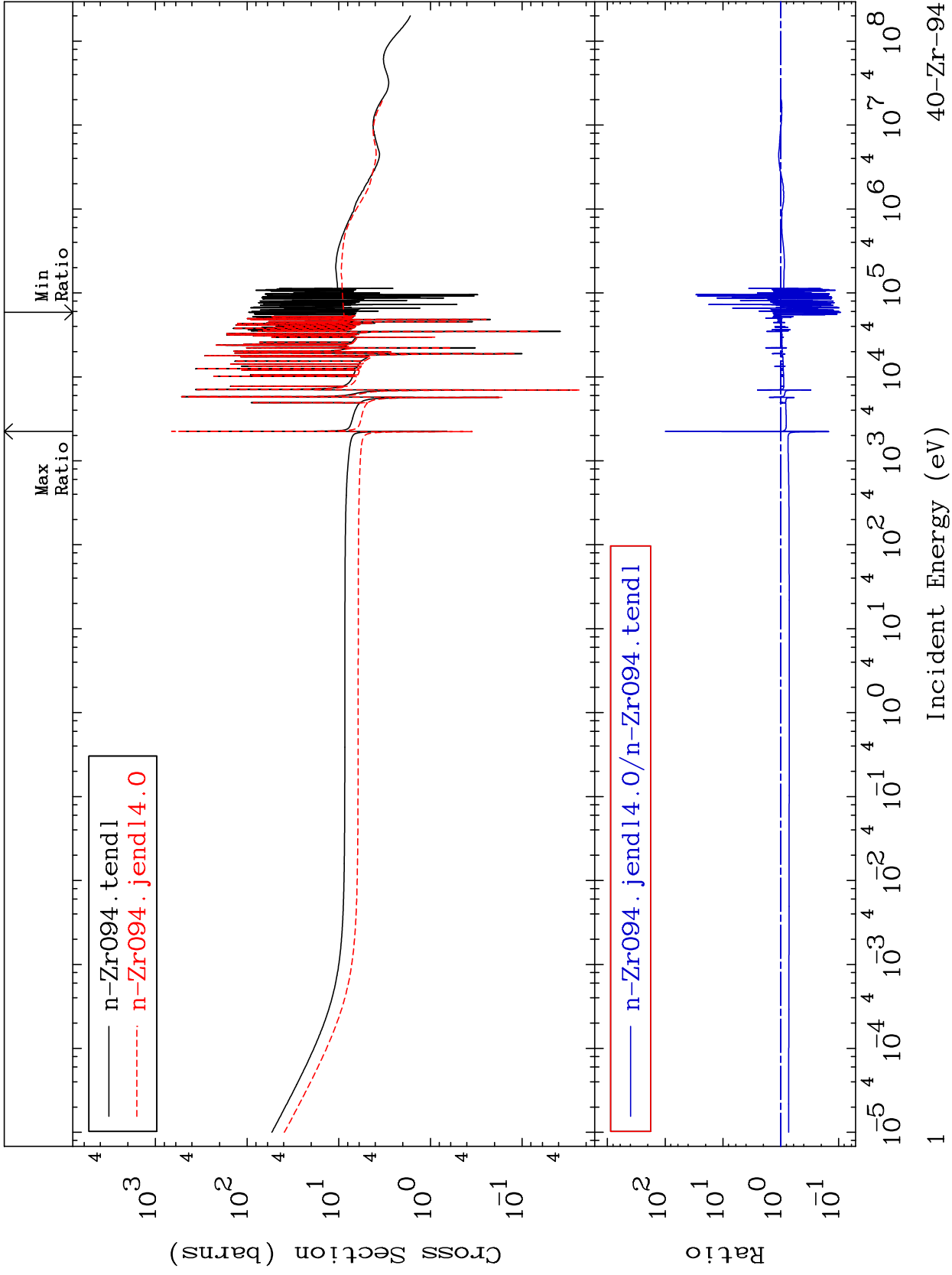


MAT 4037

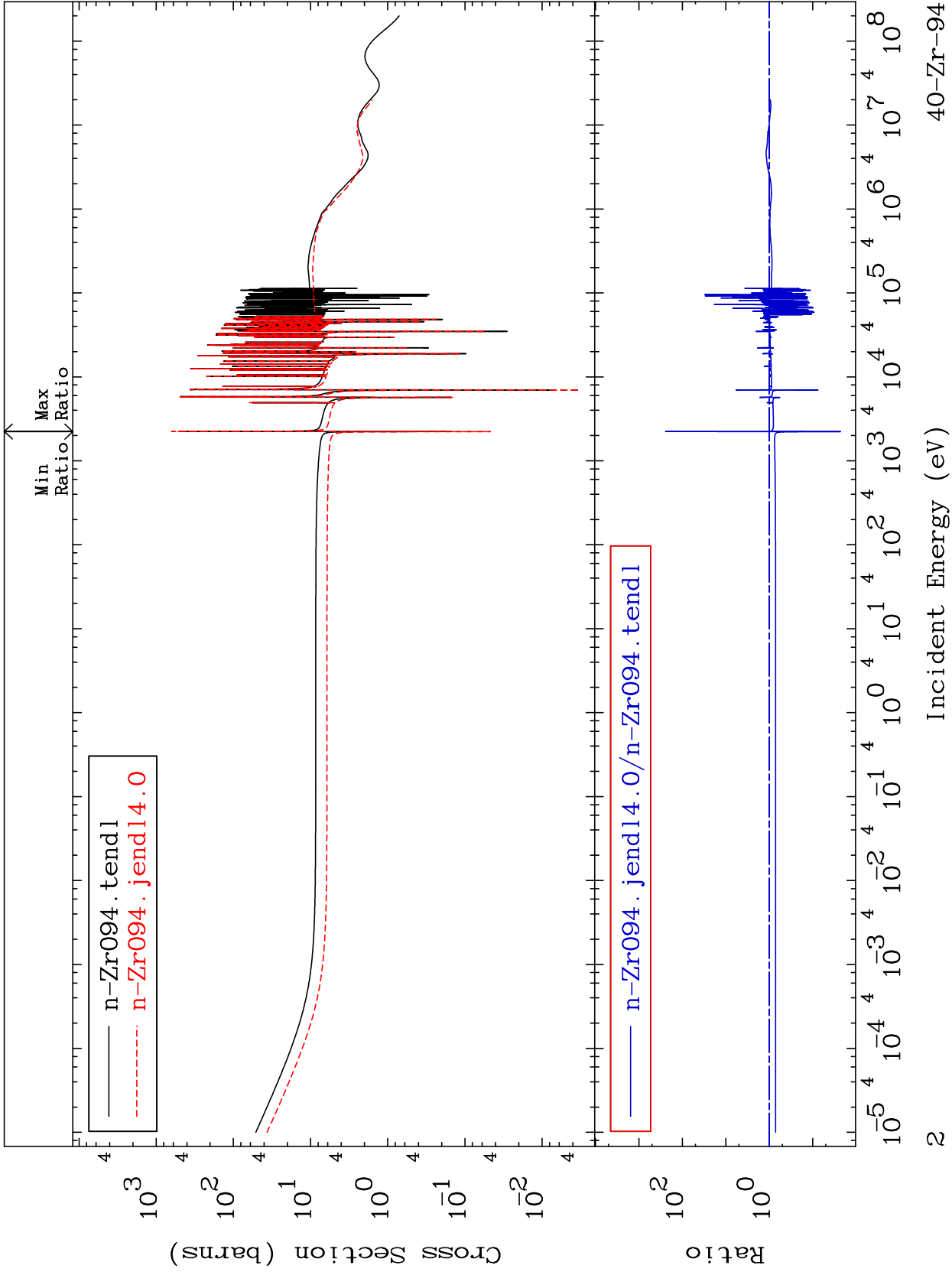
Total Cross Section
40-Zr-94
-90.79 To 9764. %



MAT 4037

Elastic
Cross Section

40-Zr-94
-97.73 To 9999. %



MAT 4037

40-Zr-94

-24.94 To 7.297 %

Inelastic
Cross Section

Min
Ratio

Max
Ratio

— n-Zr094.tendl Threshold 928.62 keV
- - - n-Zr094.jendl4.0 Threshold 928.62 keV

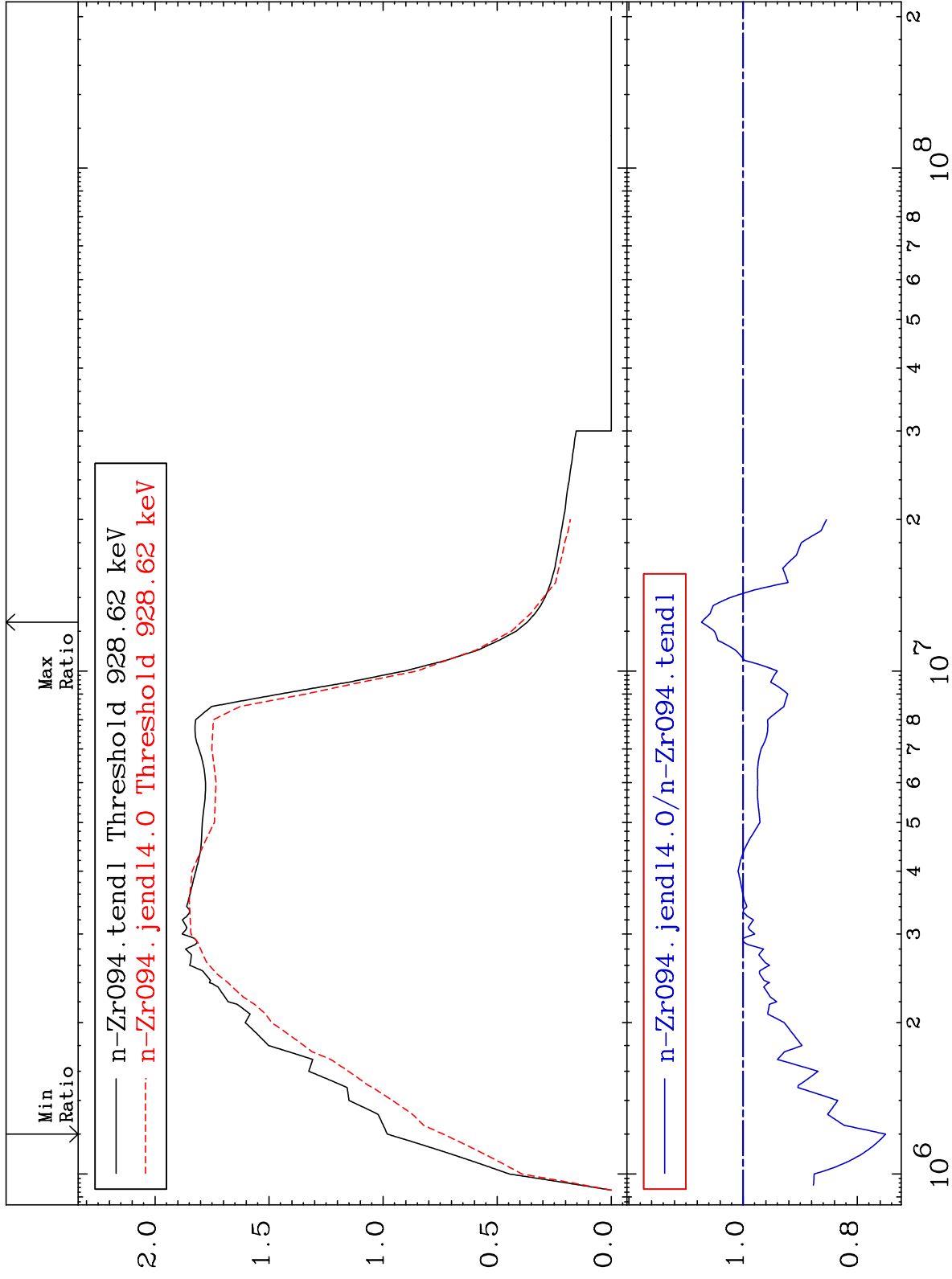
— n-Zr094.jendl4.0/n-Zr094.tendl

Cross Section (barns)

Ratio

Incident Energy (eV)

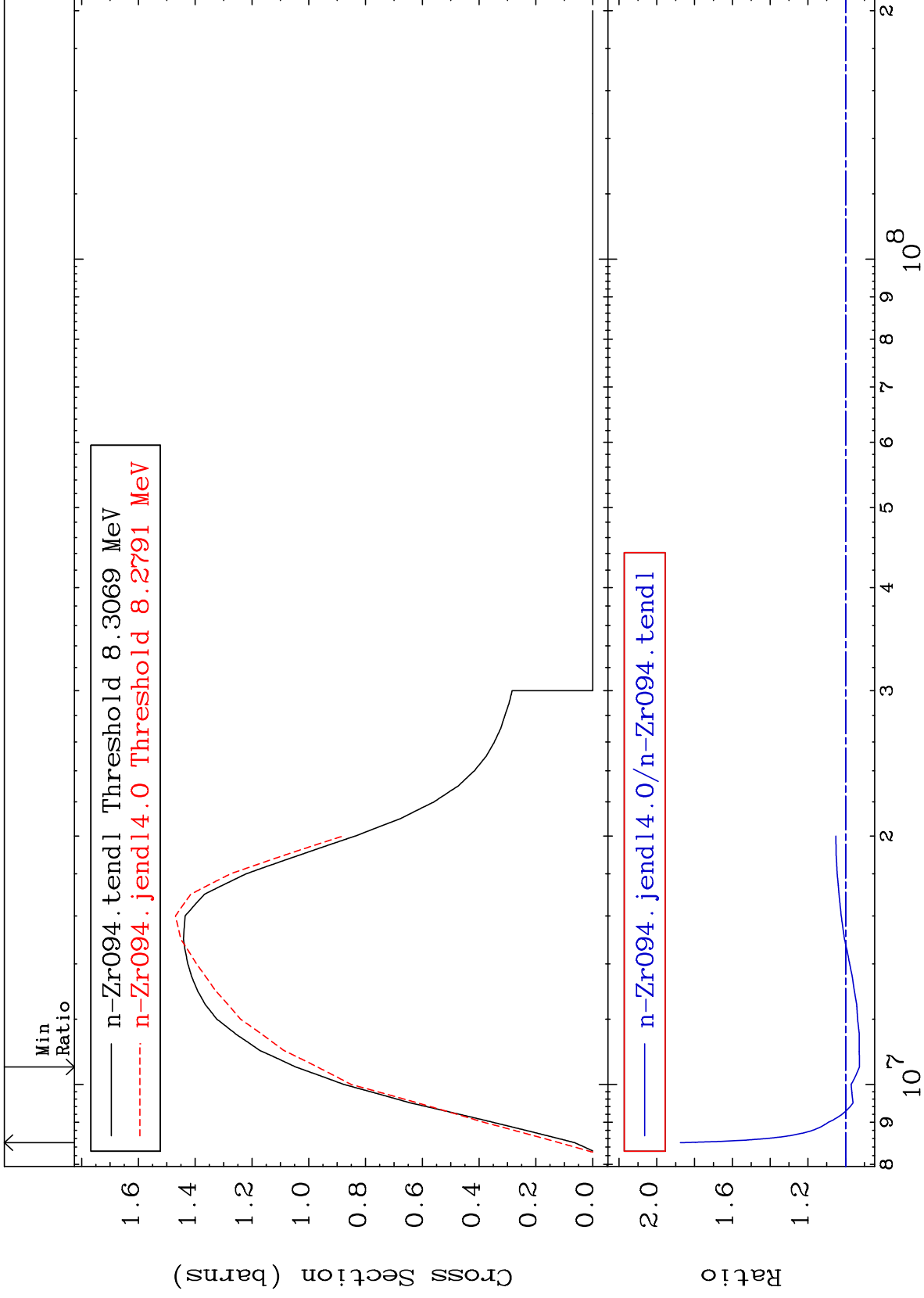
40-Zr-94



MAT 4037

(n,2n)
Cross Section

40-Zr-94
-7.298 To 87.53 %



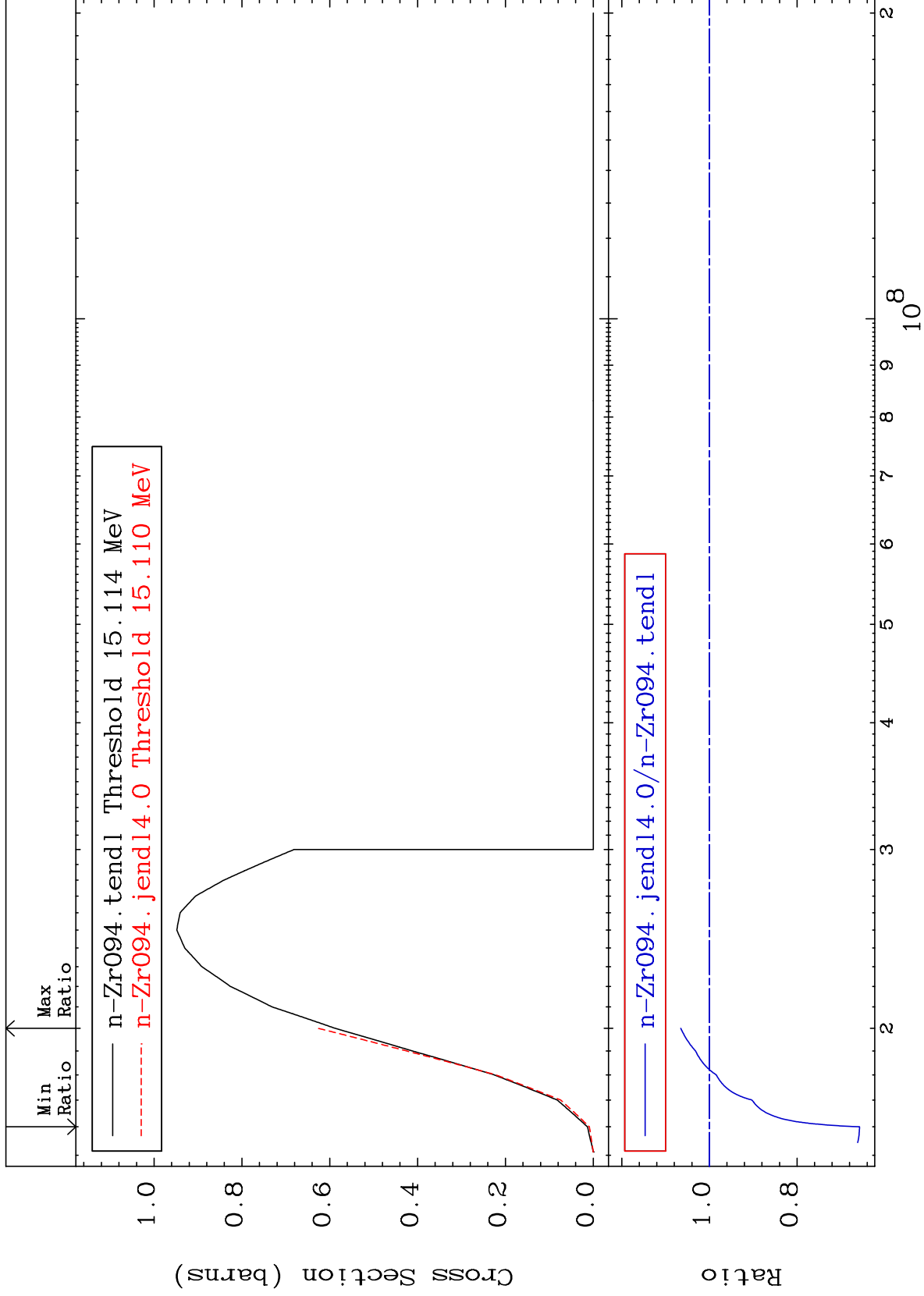
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,3n)
Cross Section

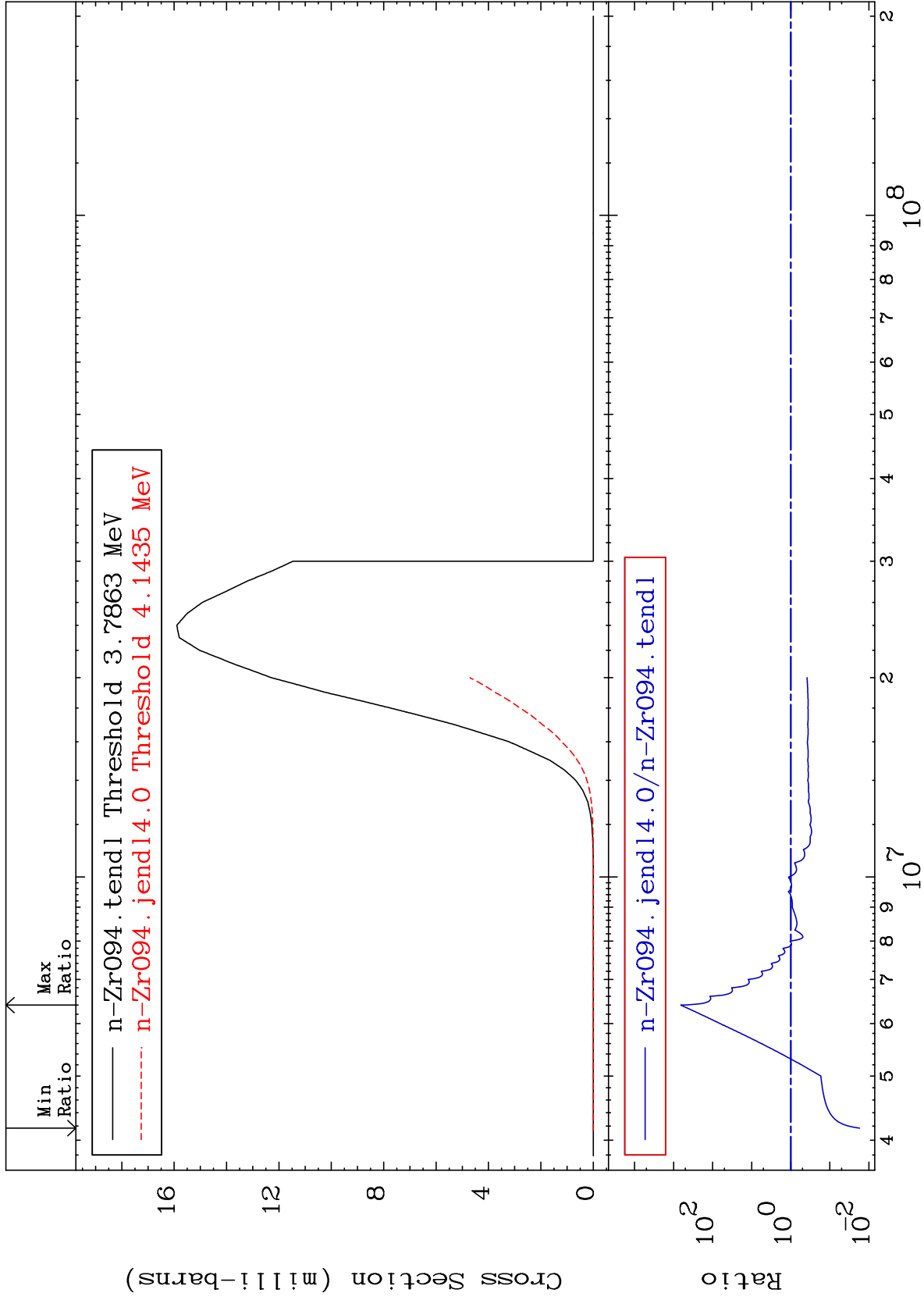
40-Zr-94
-34.26 To 6.537 %



MAT 4037

(n,n') α
Cross Section

40-Zr-94
-98.27 To 9999. %



6

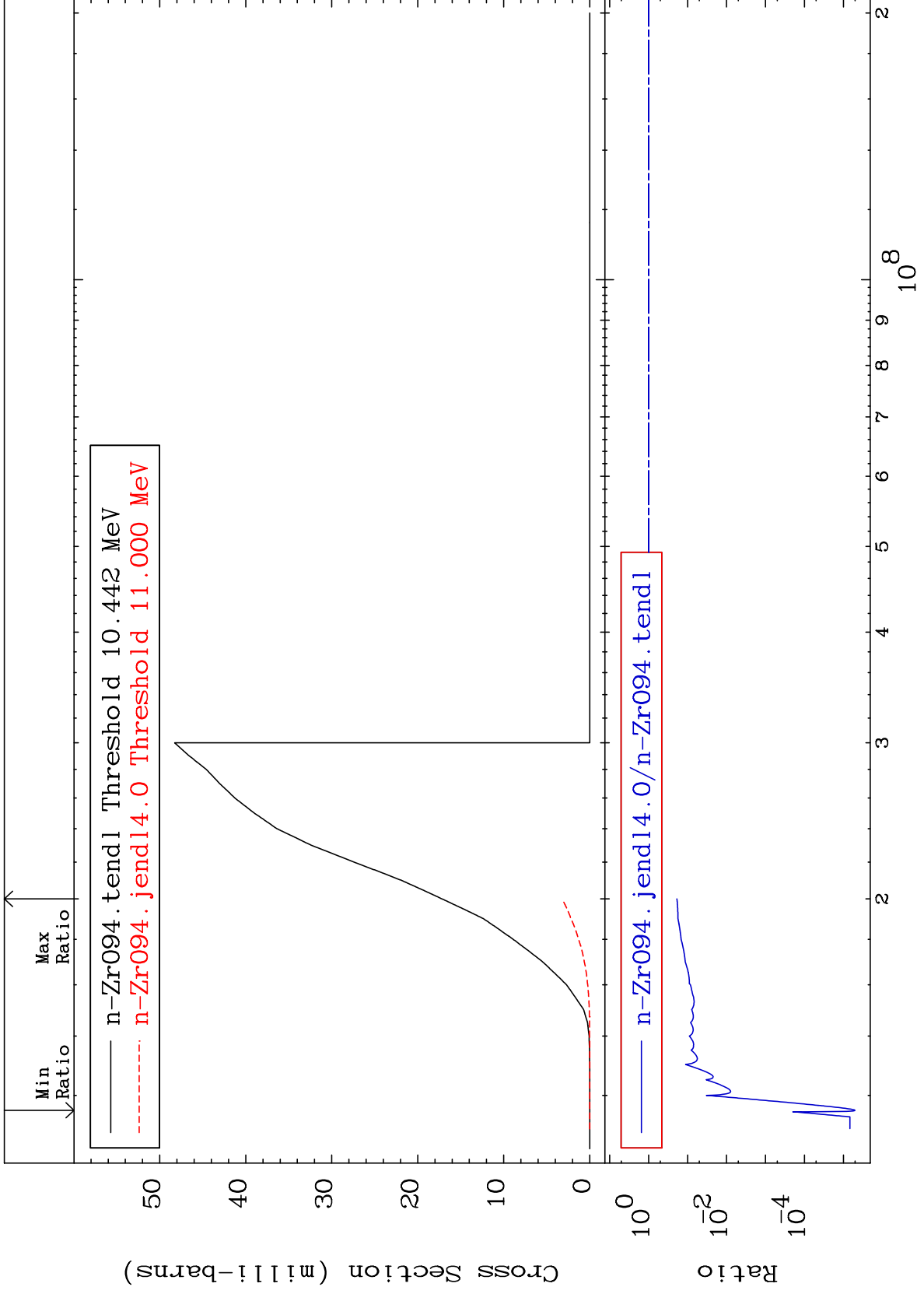
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,n') p
Cross Section

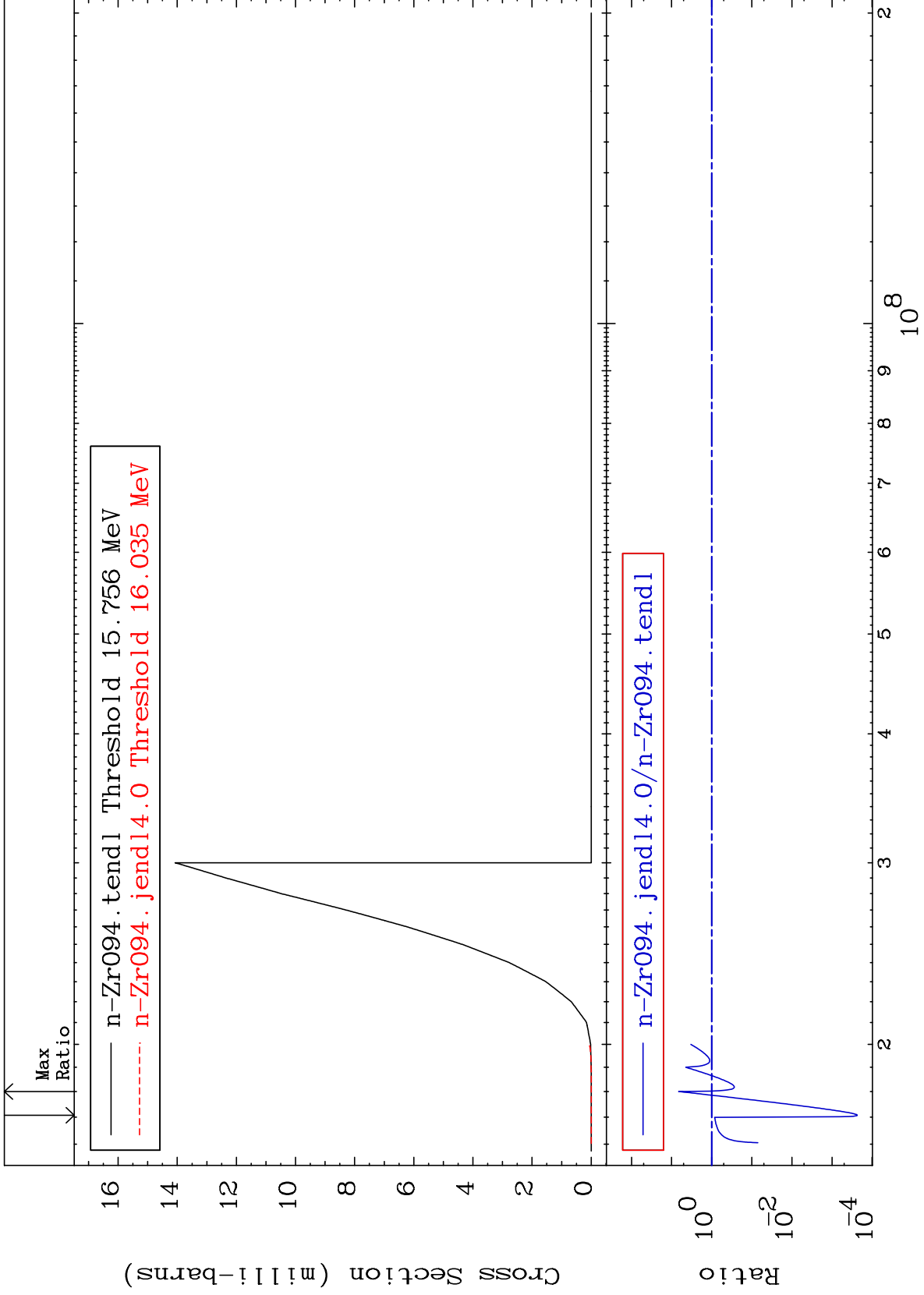
40-Zr-94
-100.0 To -81.24%



MAT 4037

(n,n') d
Cross Section

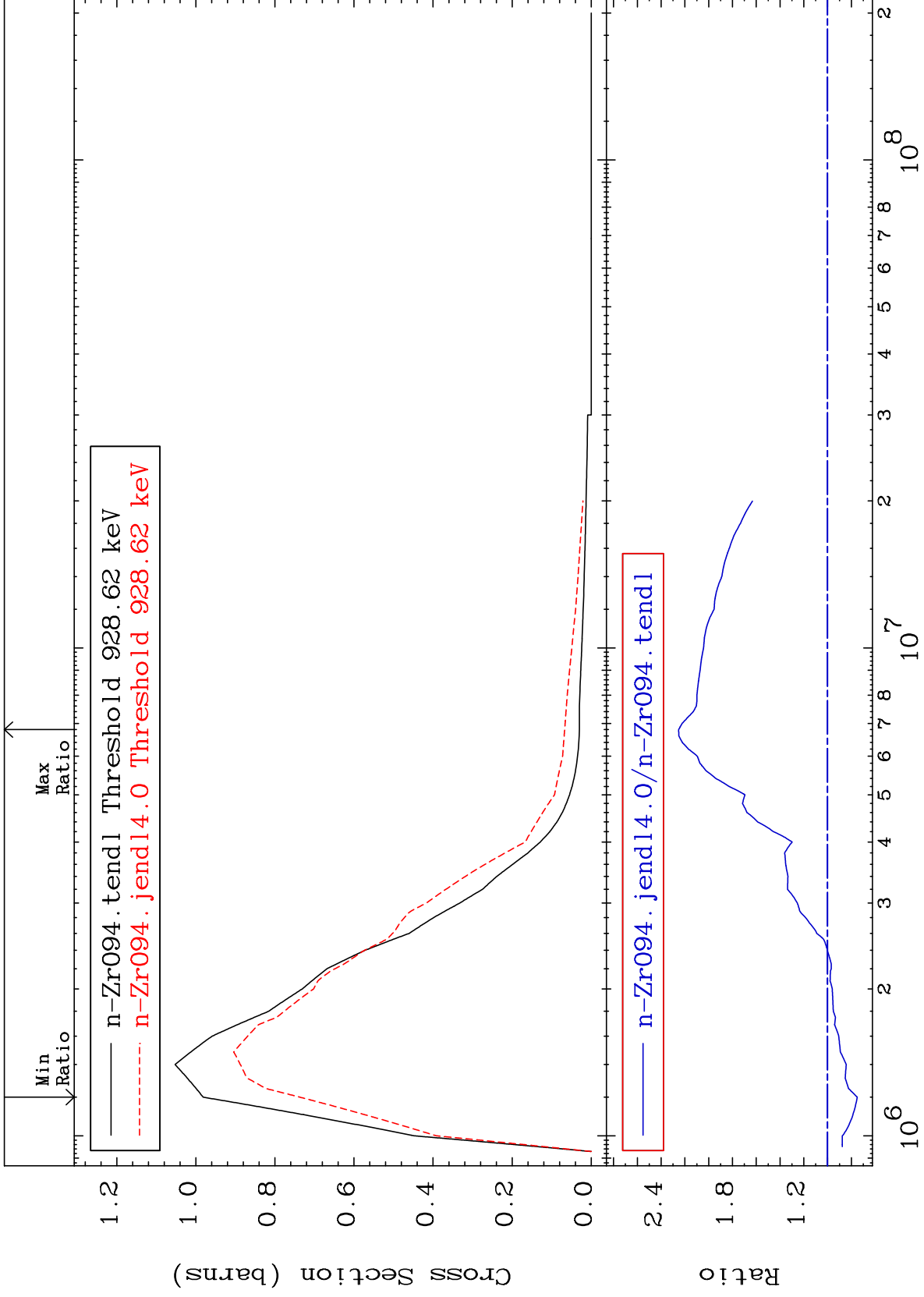
40-Zr-94
-99.98 To 567.5 %



MAT 4037

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

40-Zr-94
-24.94 To 125.3 %



9

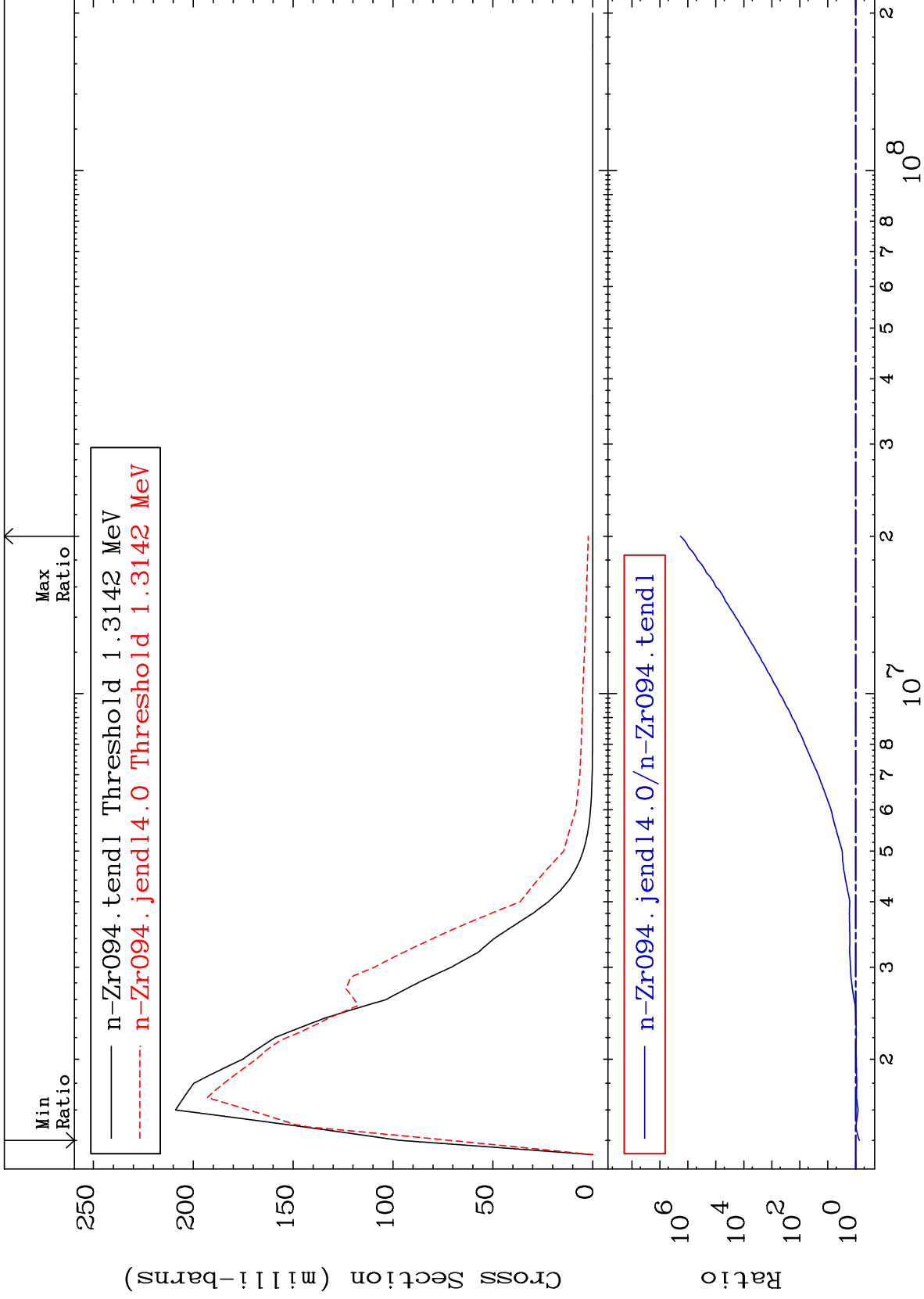
Incident Energy (eV)

40-Zr-94

MAT 4037

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

40-Zr-94
-26.18 To 9999. %



10

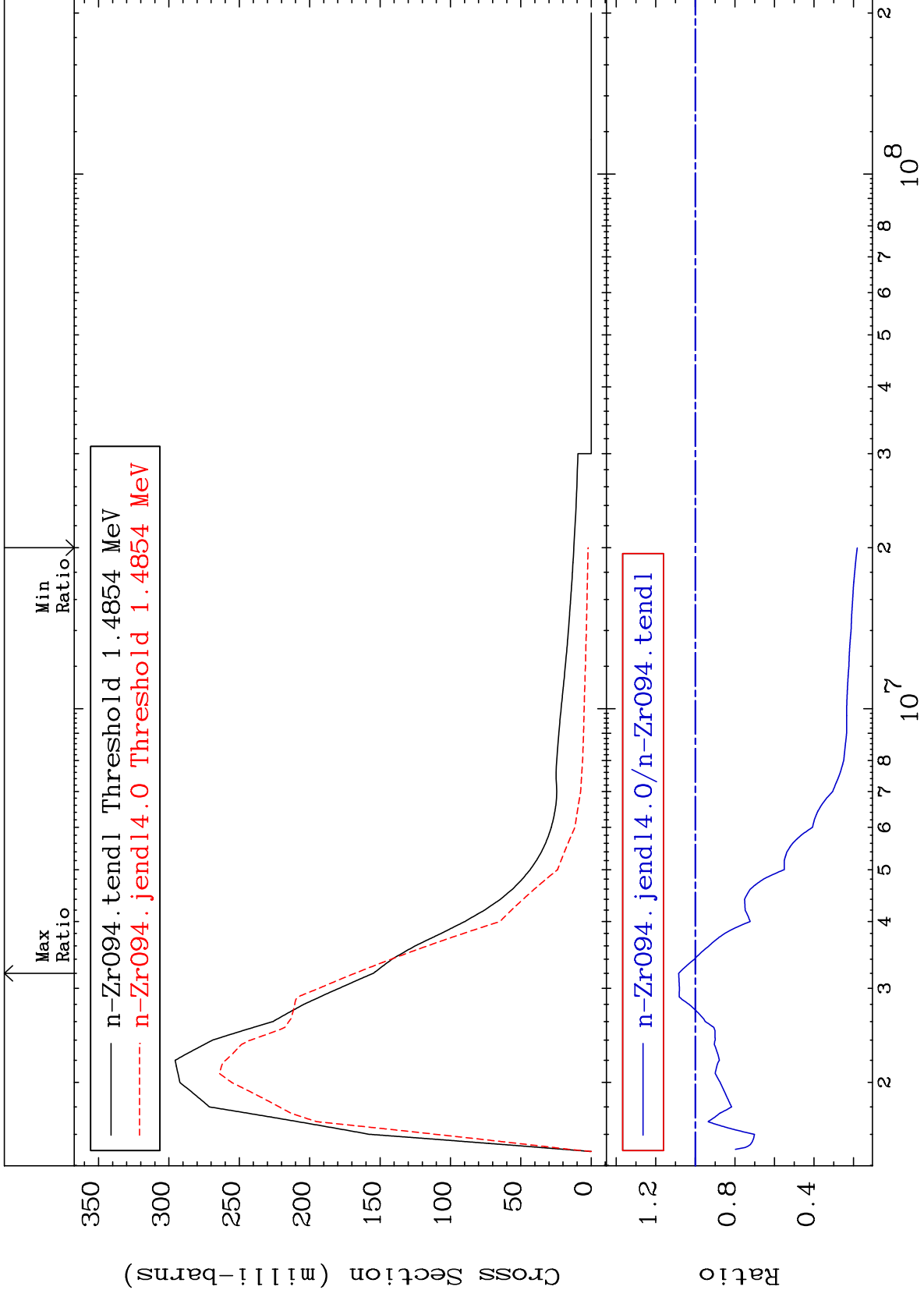
Incident Energy (eV)

40-Zr-94

MAT 4037

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

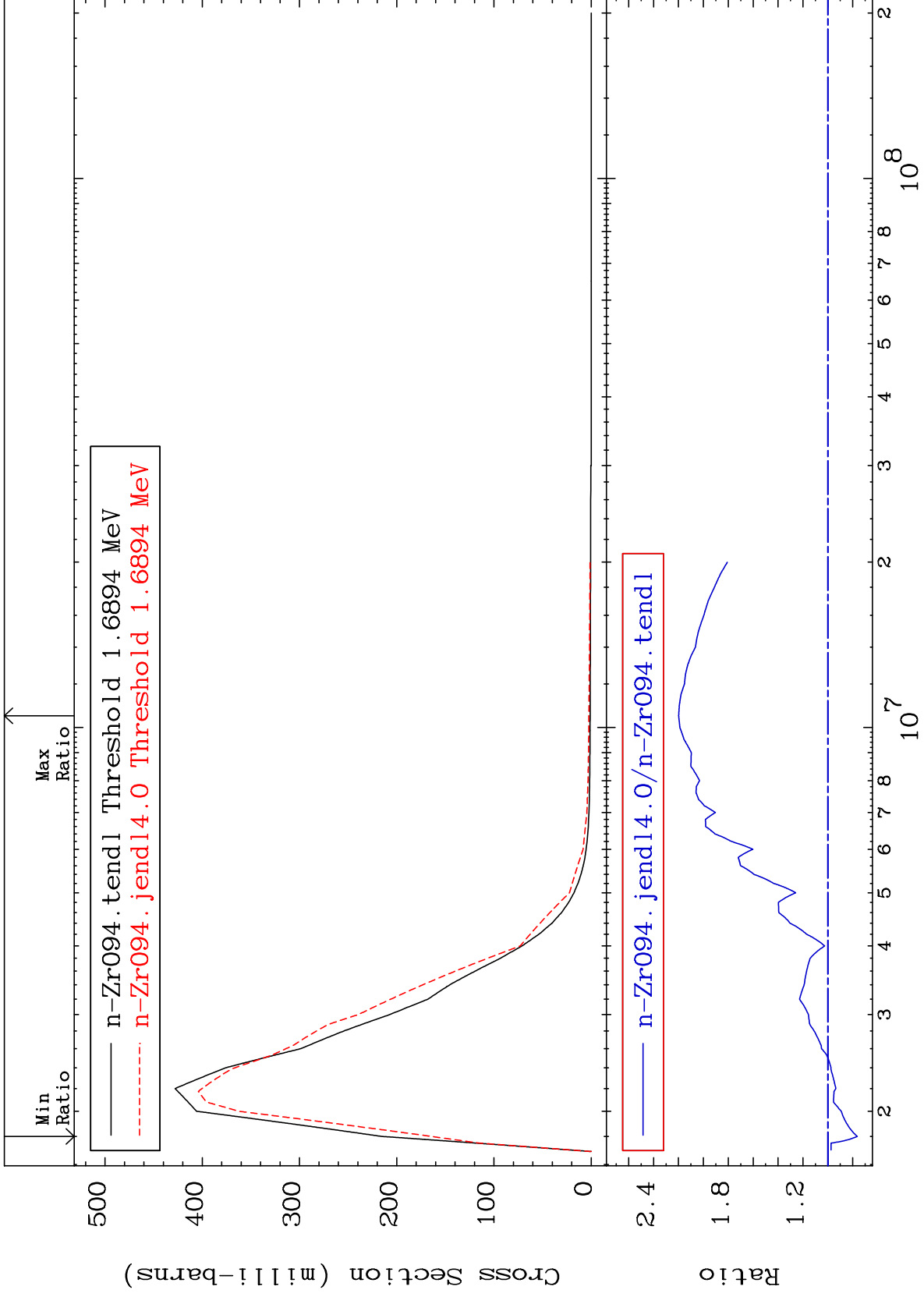
40-Zr-94
-81.86 To 8.432 %



MAT 4037

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

40-Zr-94
-23.64 To 119.9 %



12

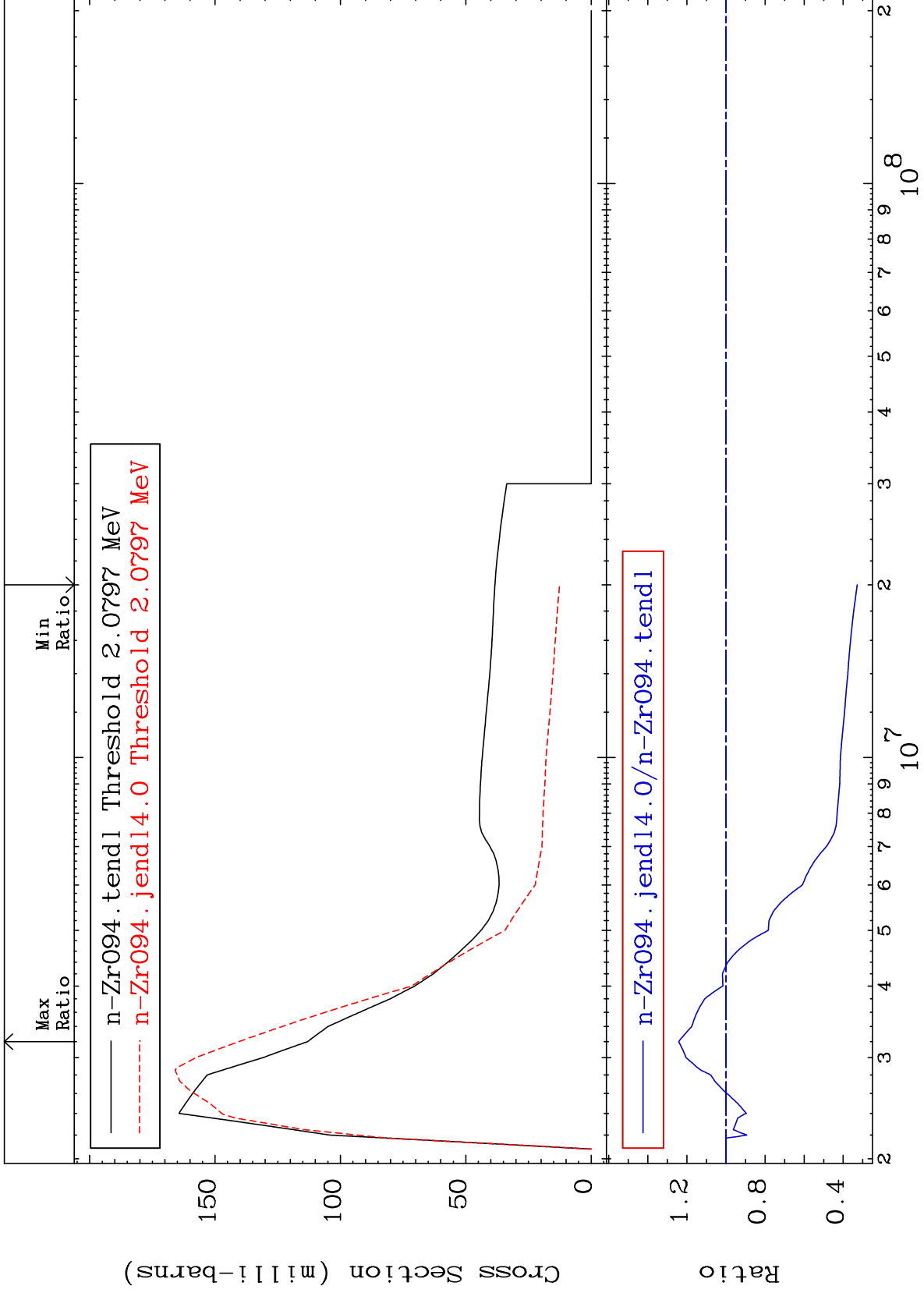
Incident Energy (eV)

40-Zr-94

MAT 4037

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

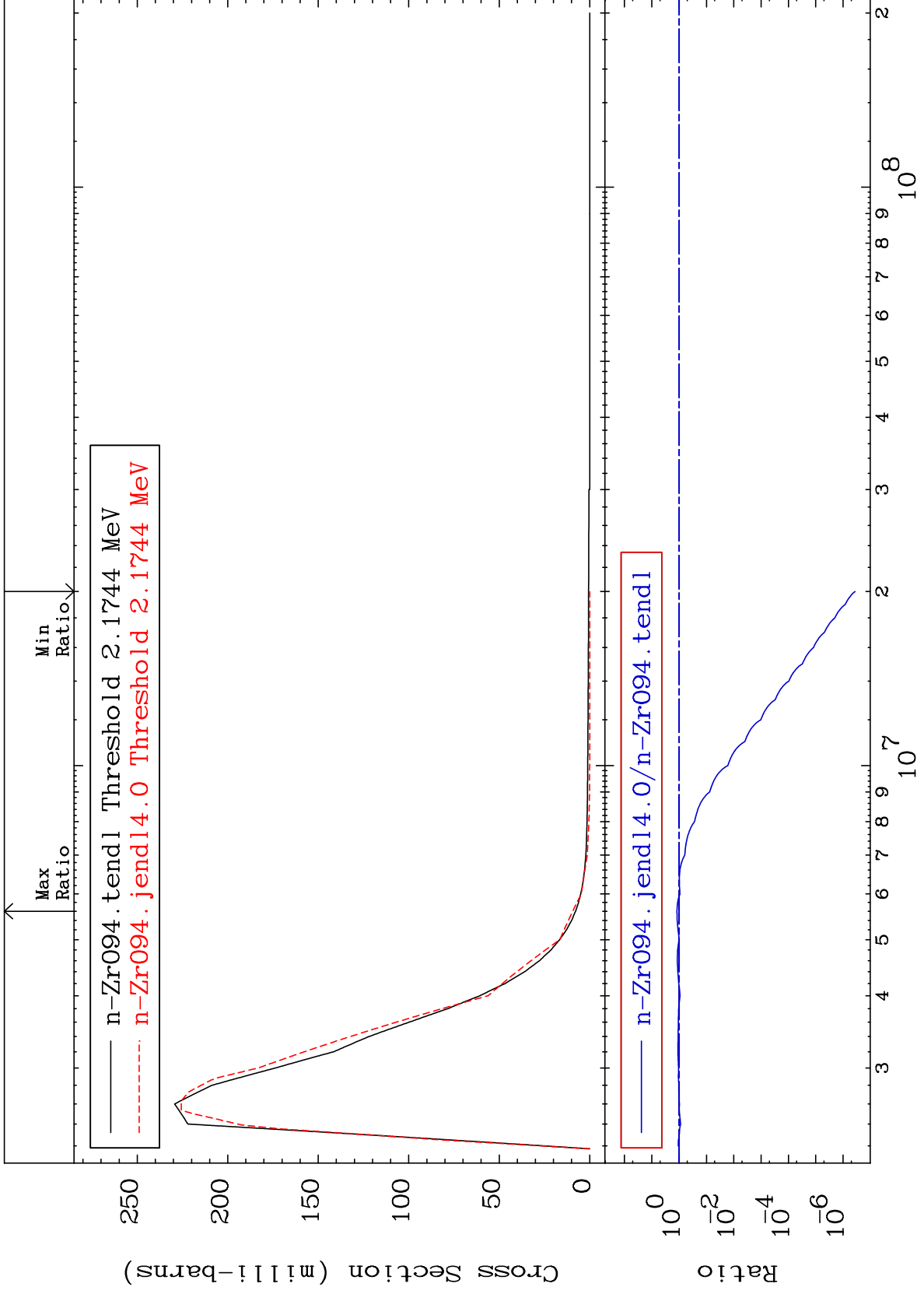
40-Zr-94
-67.19 To 24.22 %



MAT 4037

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

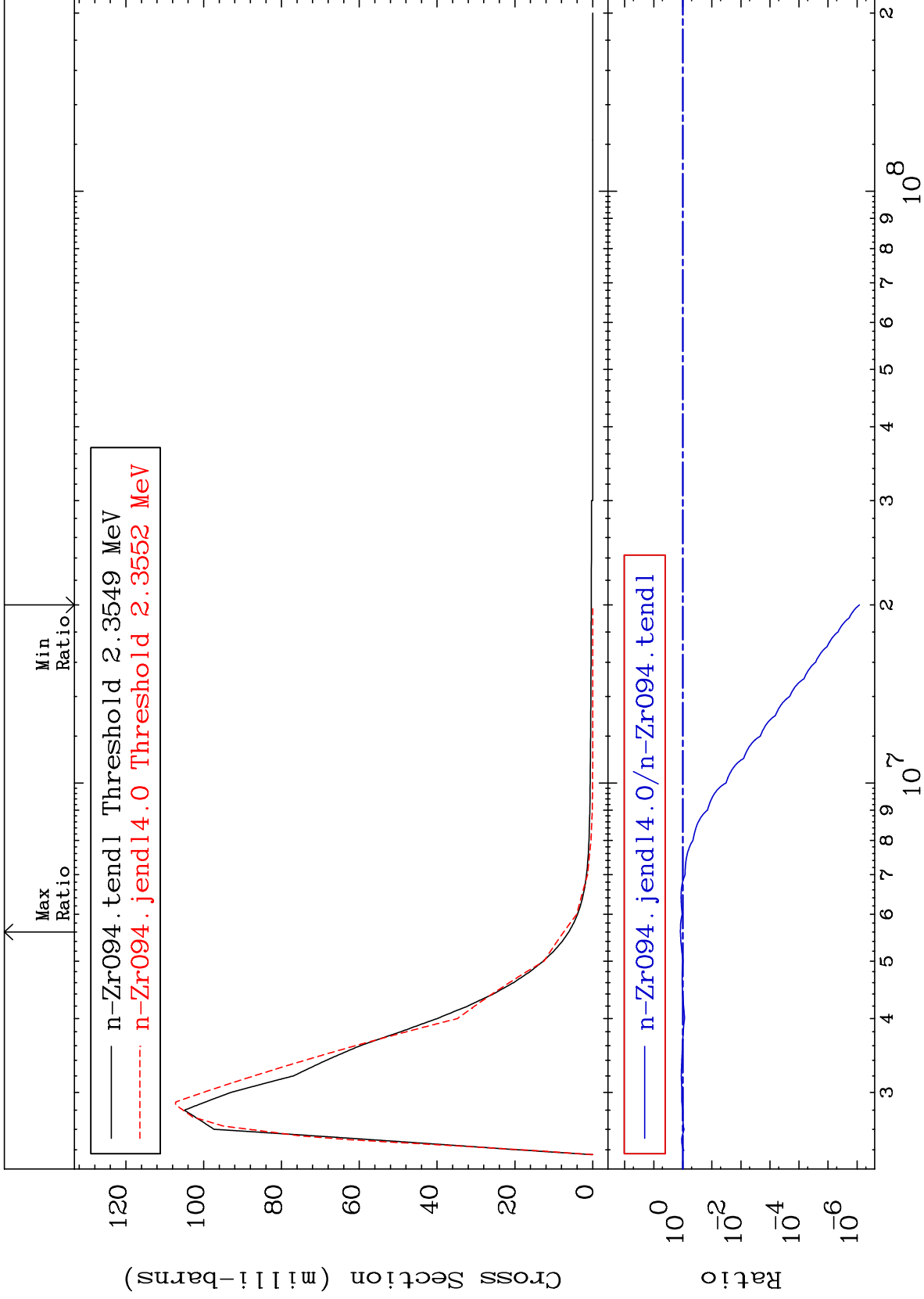
40-Zr-94
-100.0 To 20.34 %



MAT 4037

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

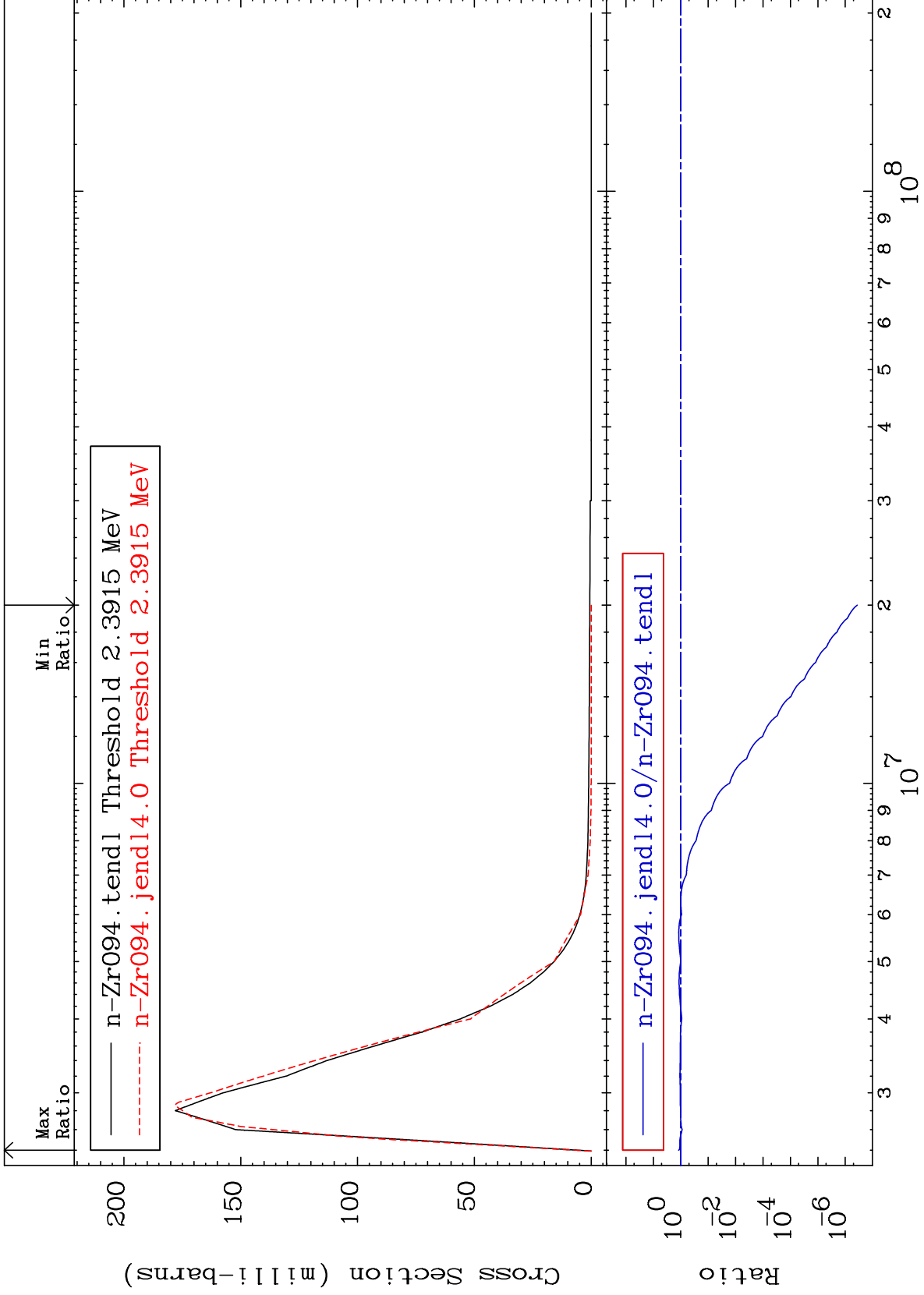
40-Zr-94
-100.0 To 21.25 %



MAT 4037

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

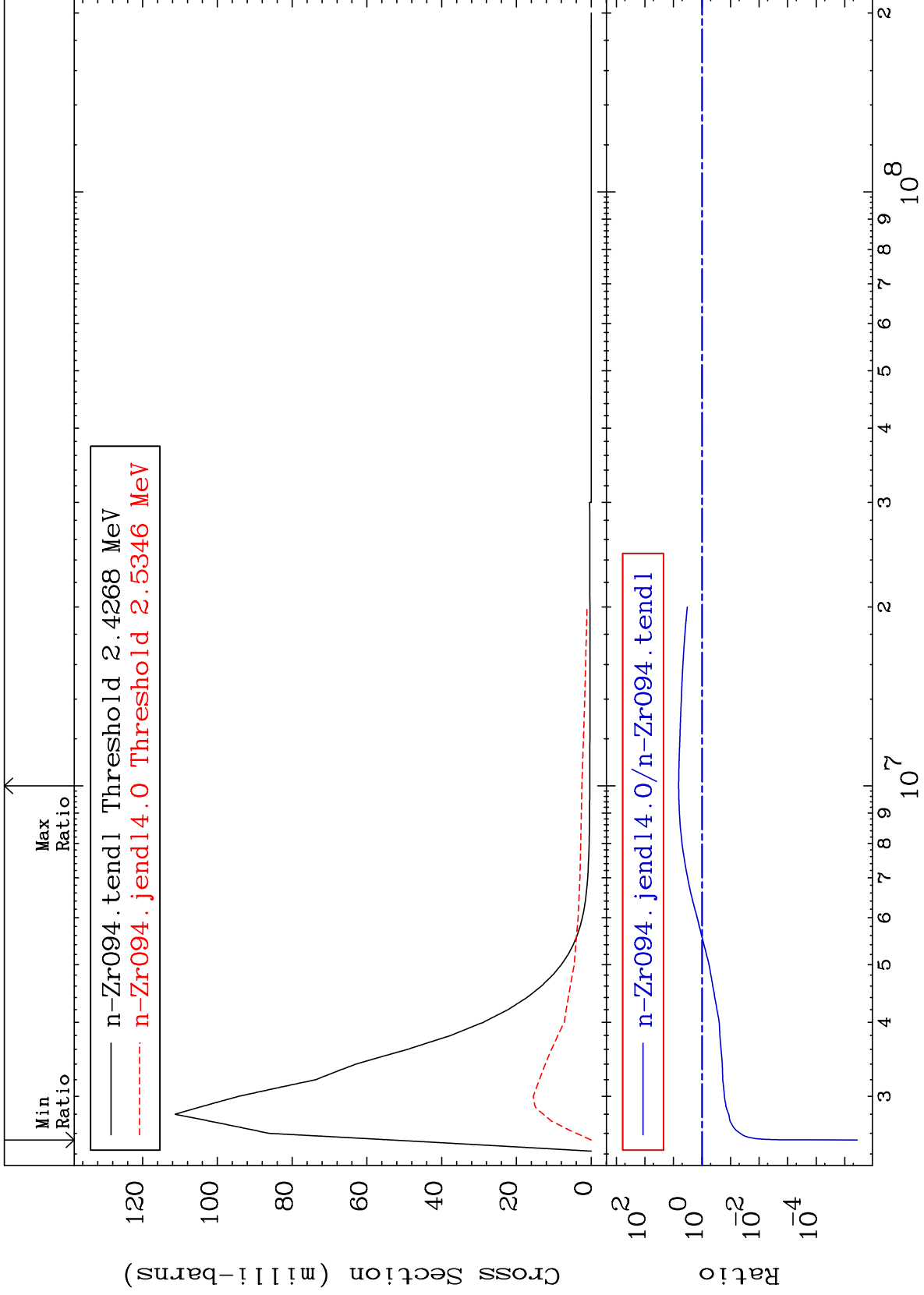
40-Zr-94
-100.0 To 19.46 %



MAT 4037

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

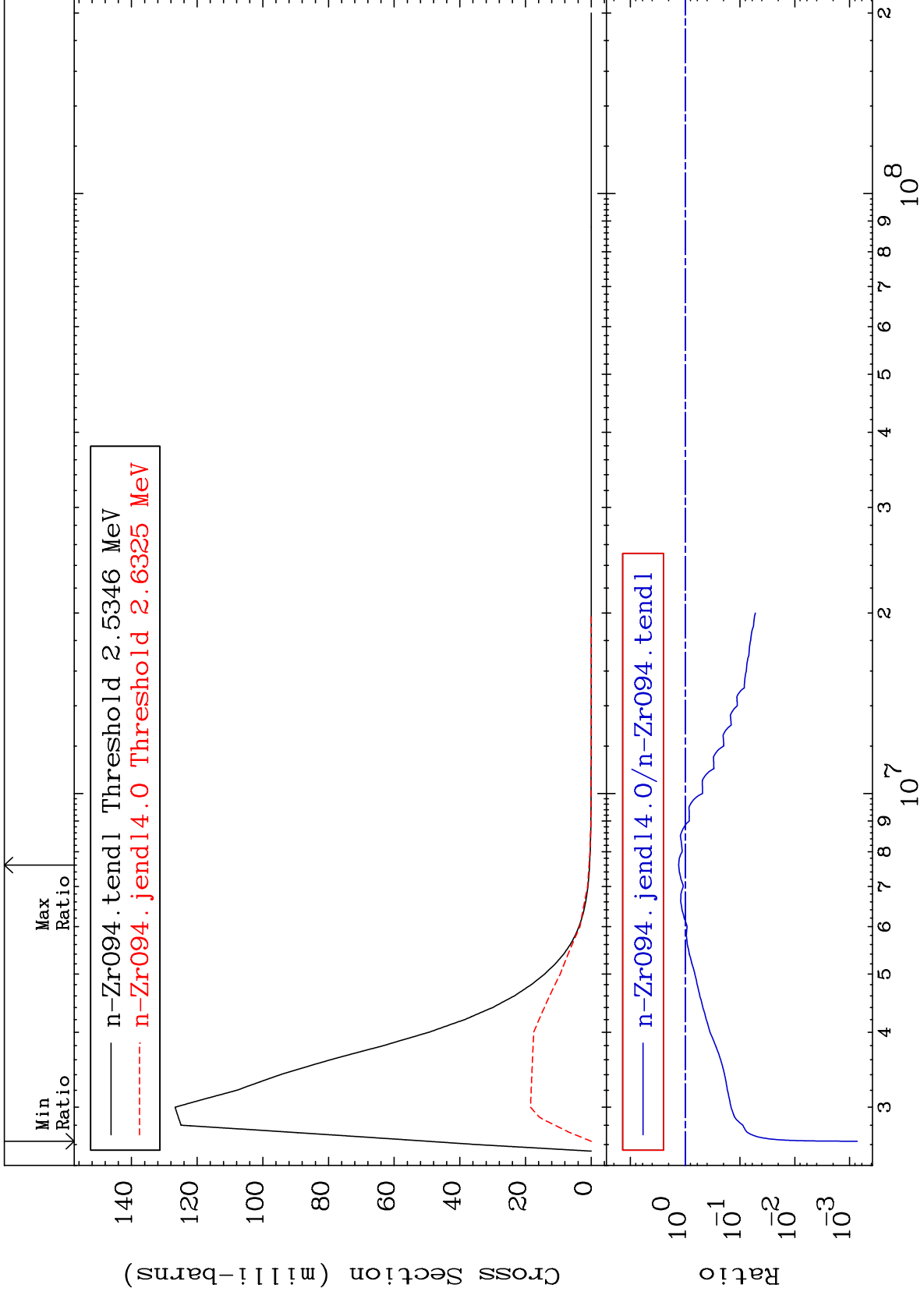
40-Zr-94
-100.0 To 557.7 %



MAT 4037

MT= 60 (n,n') Level
Cross Section

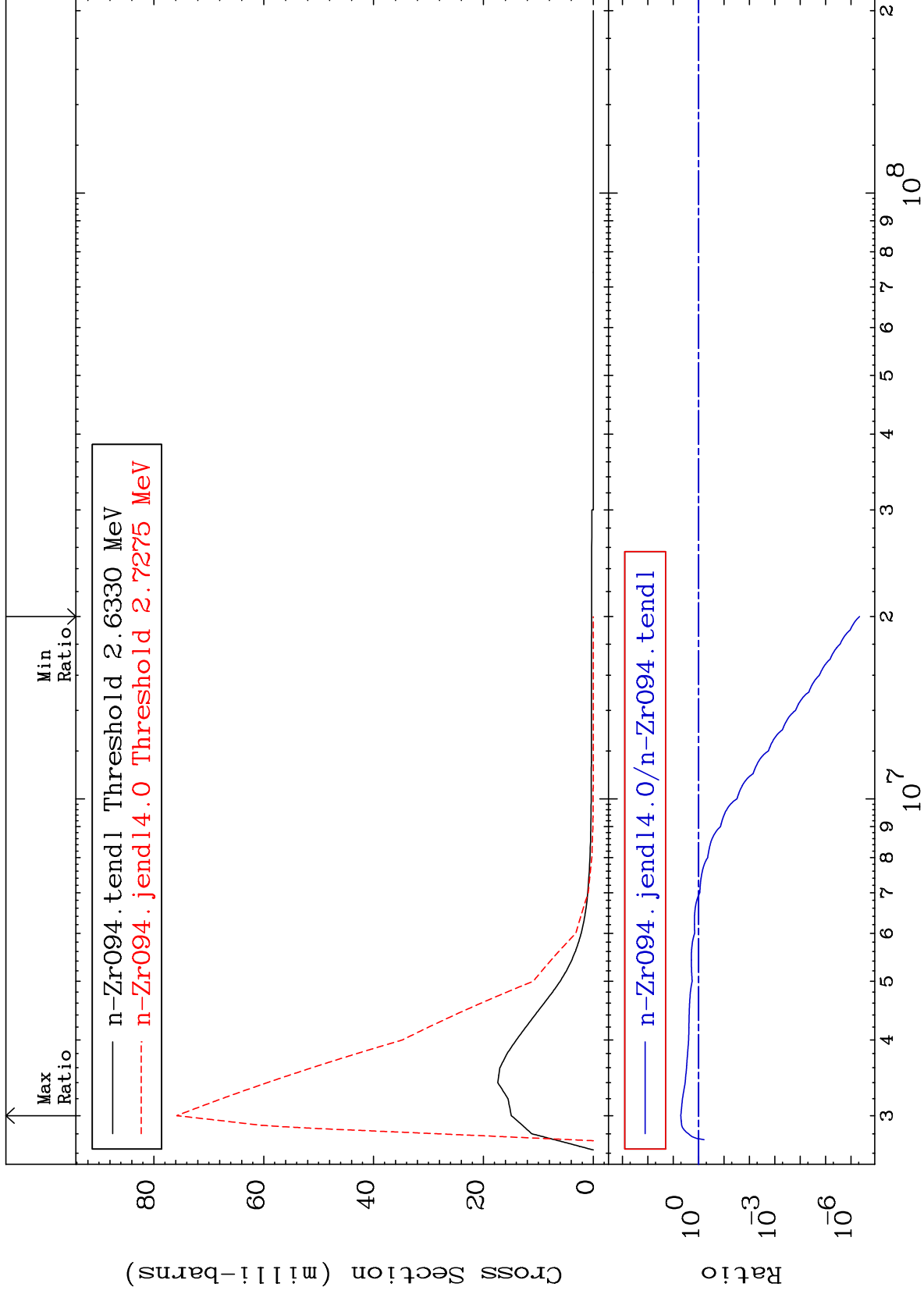
40-Zr-94
-99.93 To 31.59 %



MAT 4037

MT= 61 (n,n') Level
Cross Section

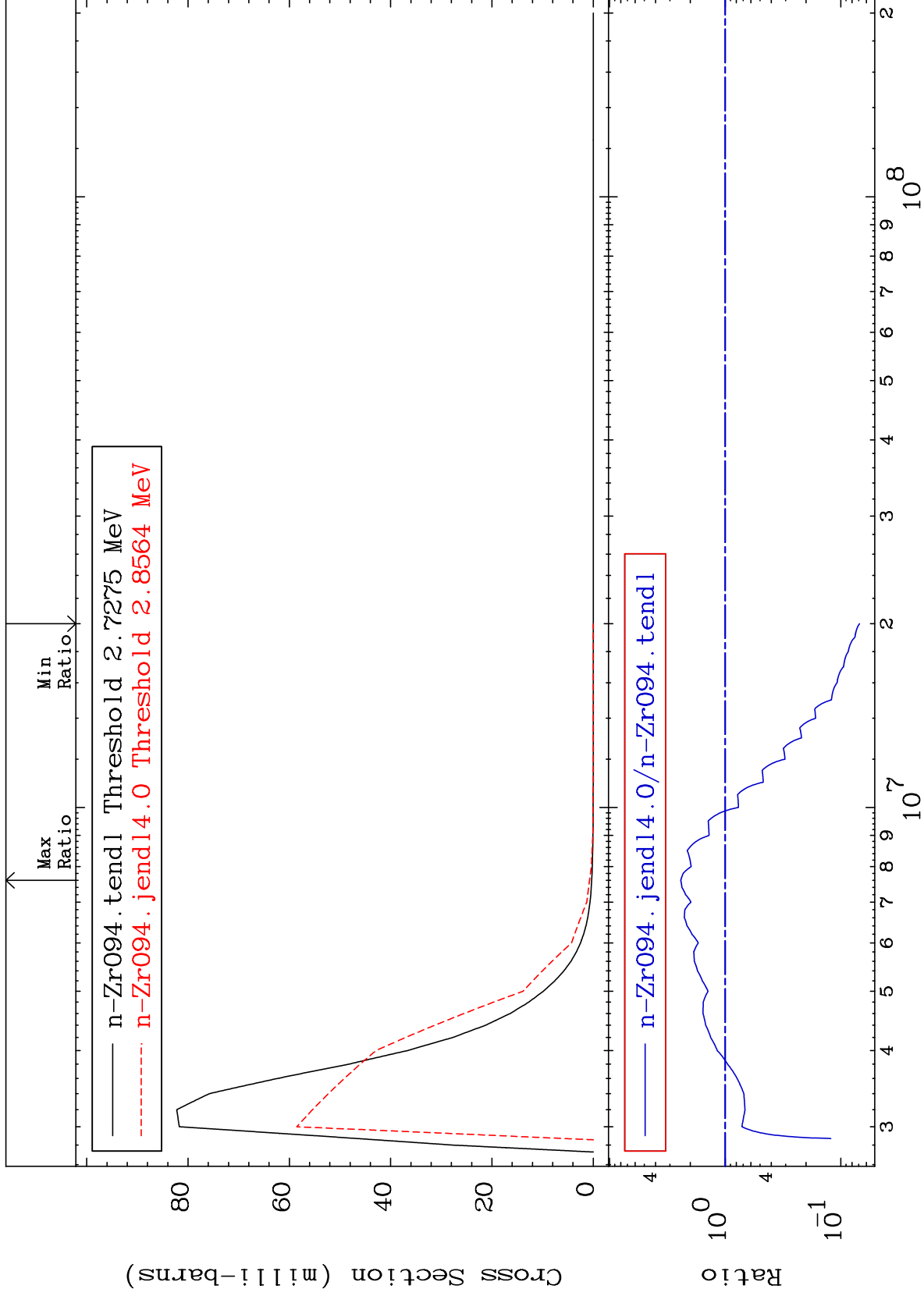
40-Zr-94
-100.0 To 408.3 %



MAT 4037

MT= 62 (n,n') Level
Cross Section

40-Zr-94
-93.11 To 142.1 %



20

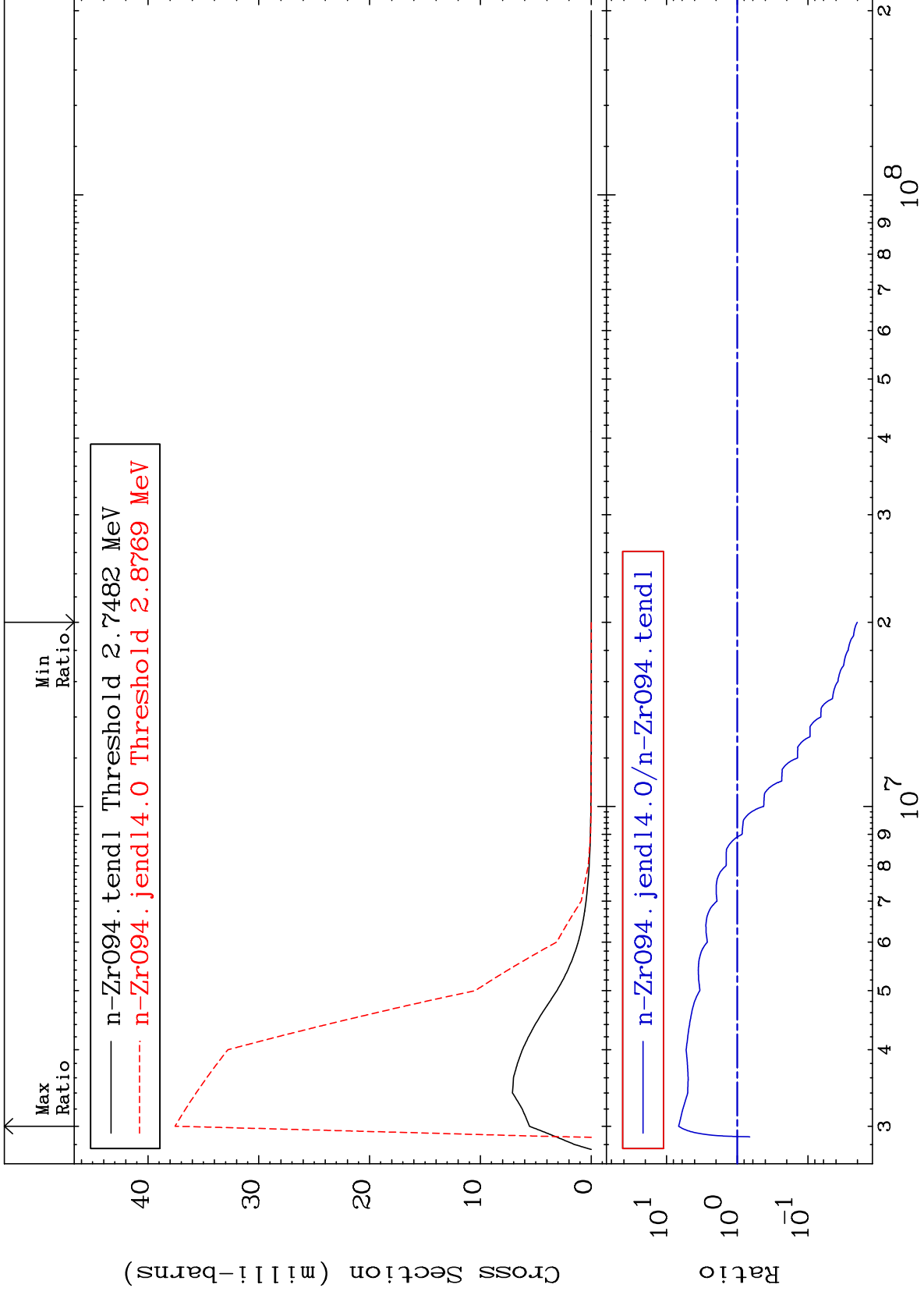
Incident Energy (eV)

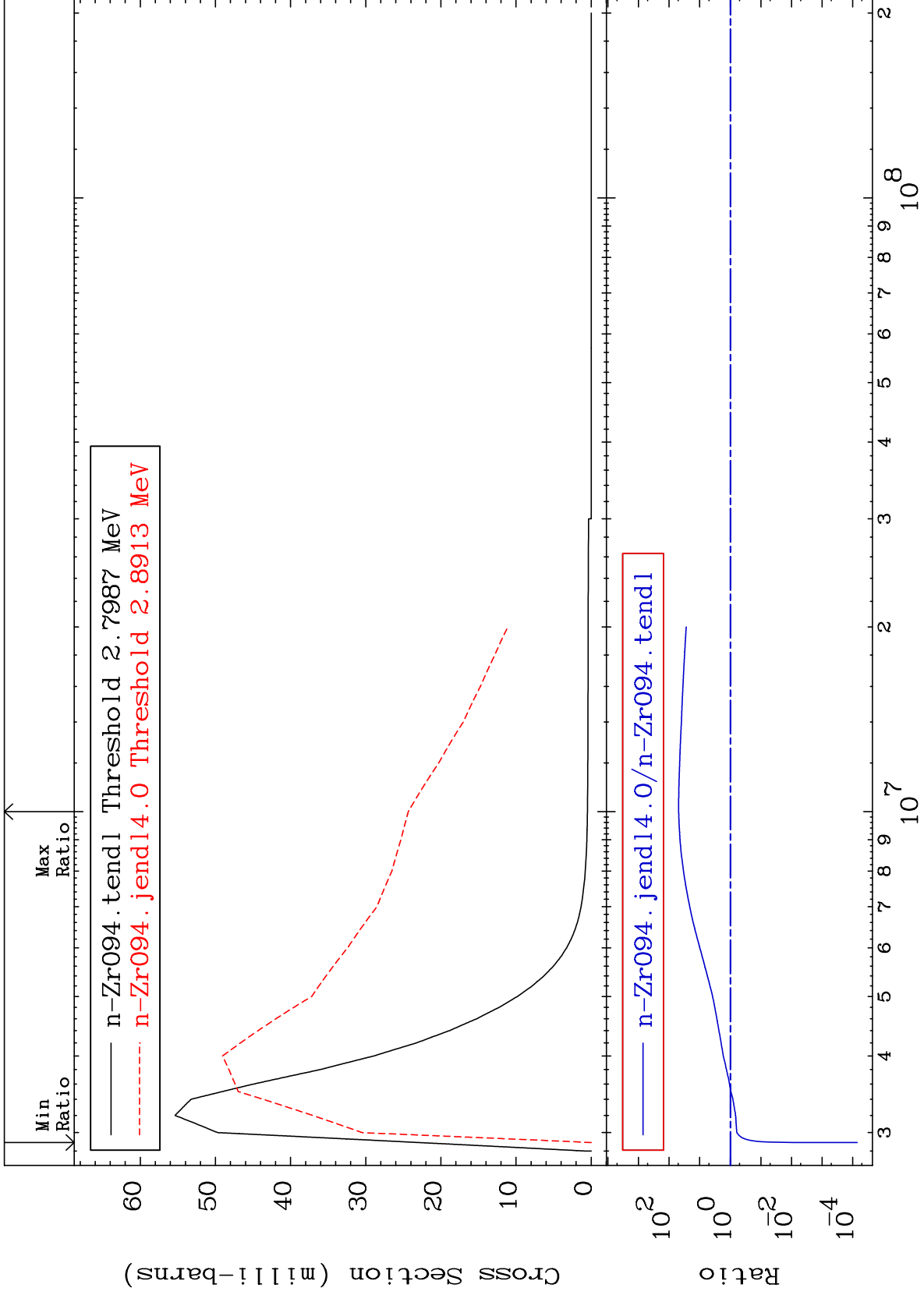
40-Zr-94

MAT 4037

MT= 63 (n,n') Level
Cross Section

40-Zr-94
-97.99 To 574.0 %

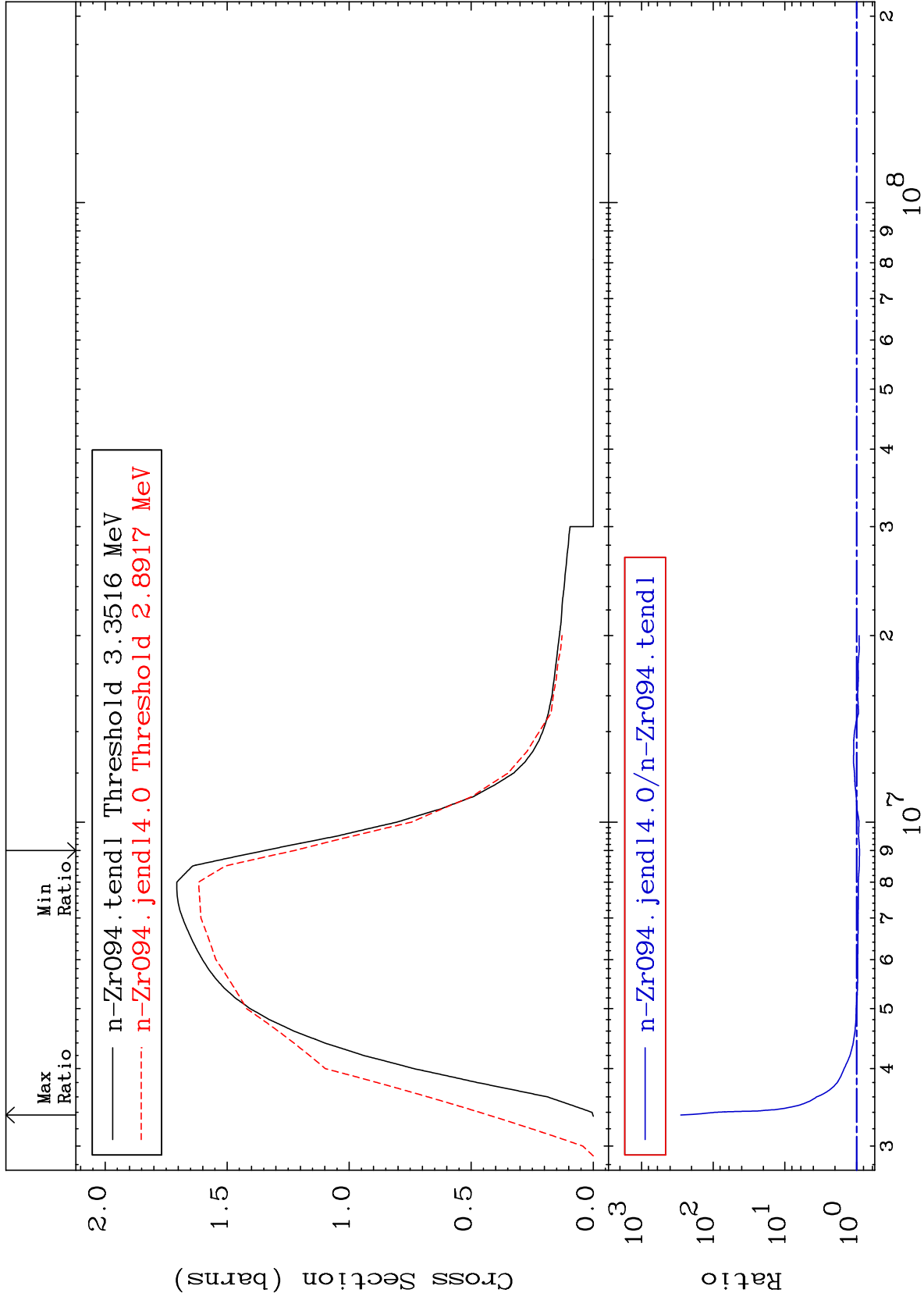




MAT 4037

(n, n') Continuum
Cross Section

40-Zr-94
-9.047 To 9999. %



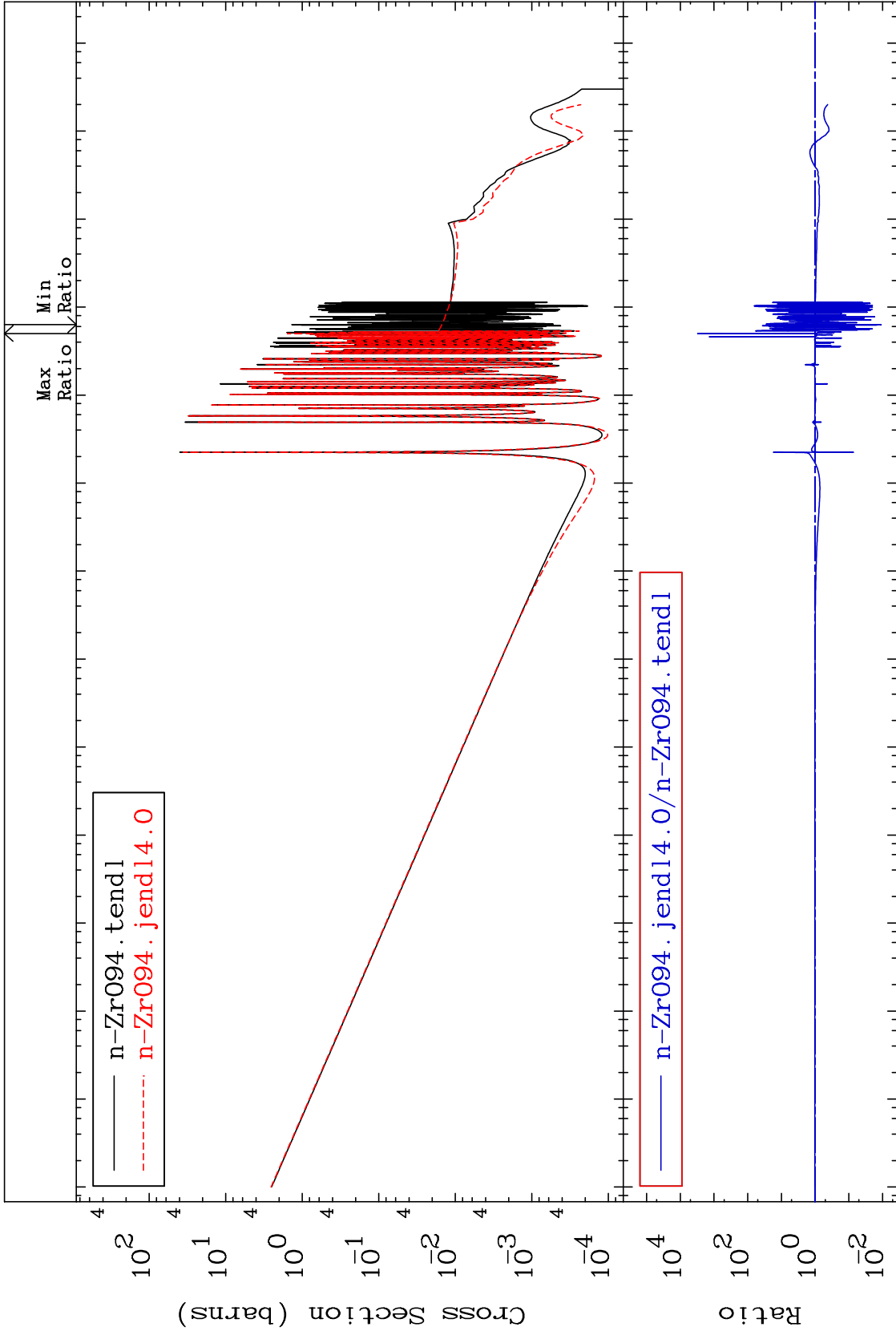
MAT 4037

(n, γ)

40-Zr-94

Cross Section

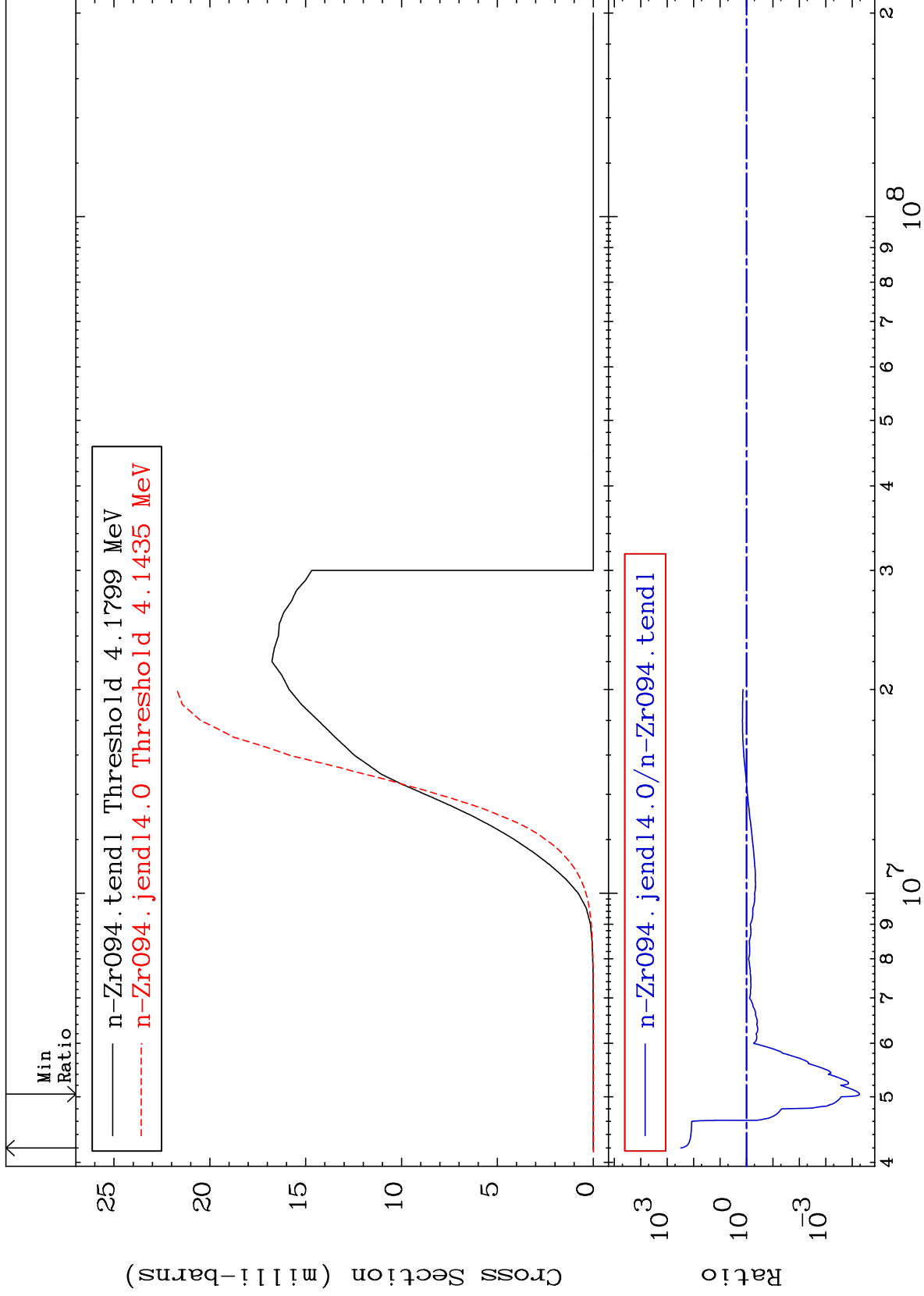
-98.90 To 9999. %



MAT 4037

(n,p)
Cross Section

40-Zr-94
-99.99 To 9999. %



25

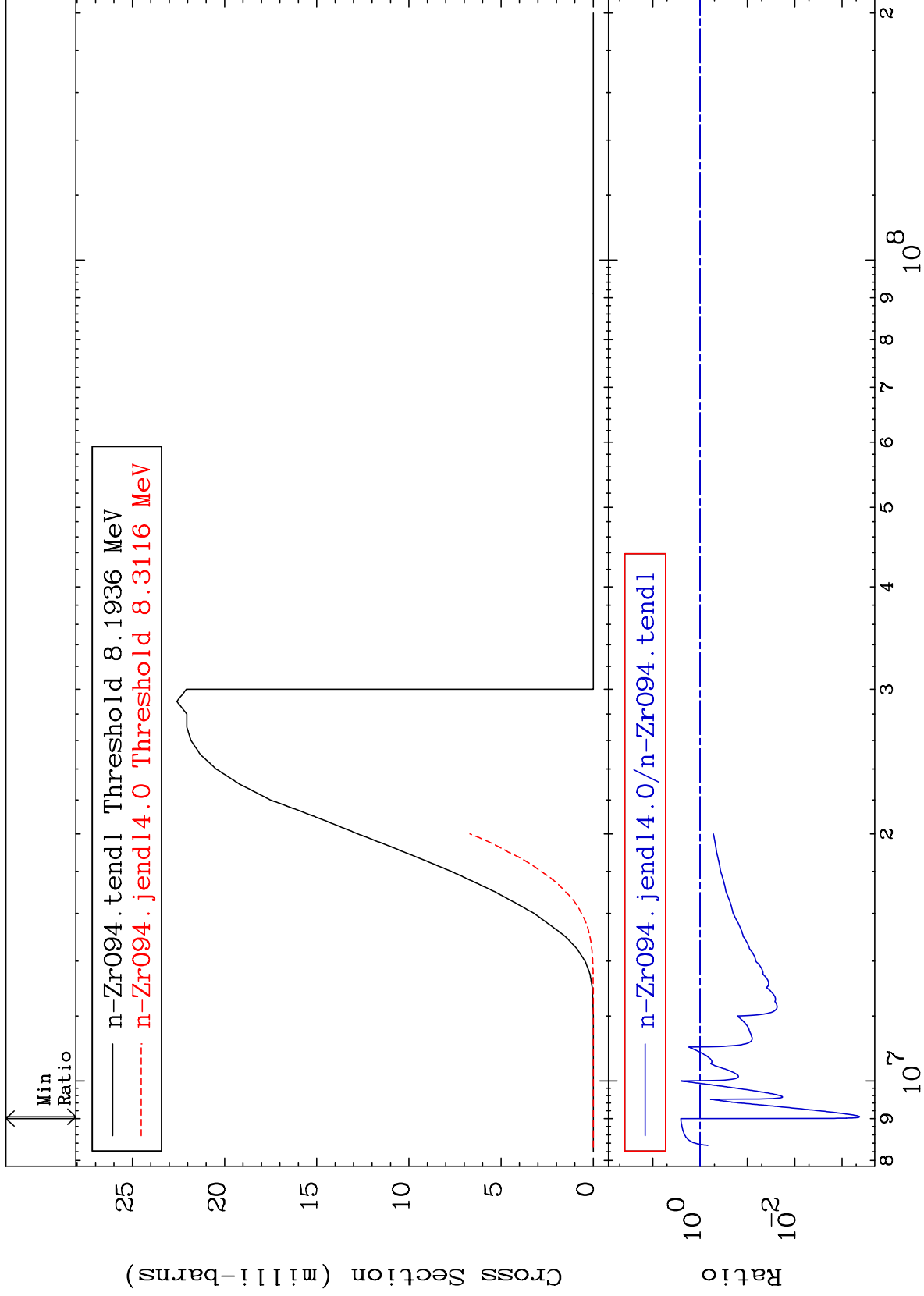
40-Zr-94

40-Zr-94

MAT 4037

(n, d)
Cross Section

40-Zr-94
-99.96 To 156.7 %



26

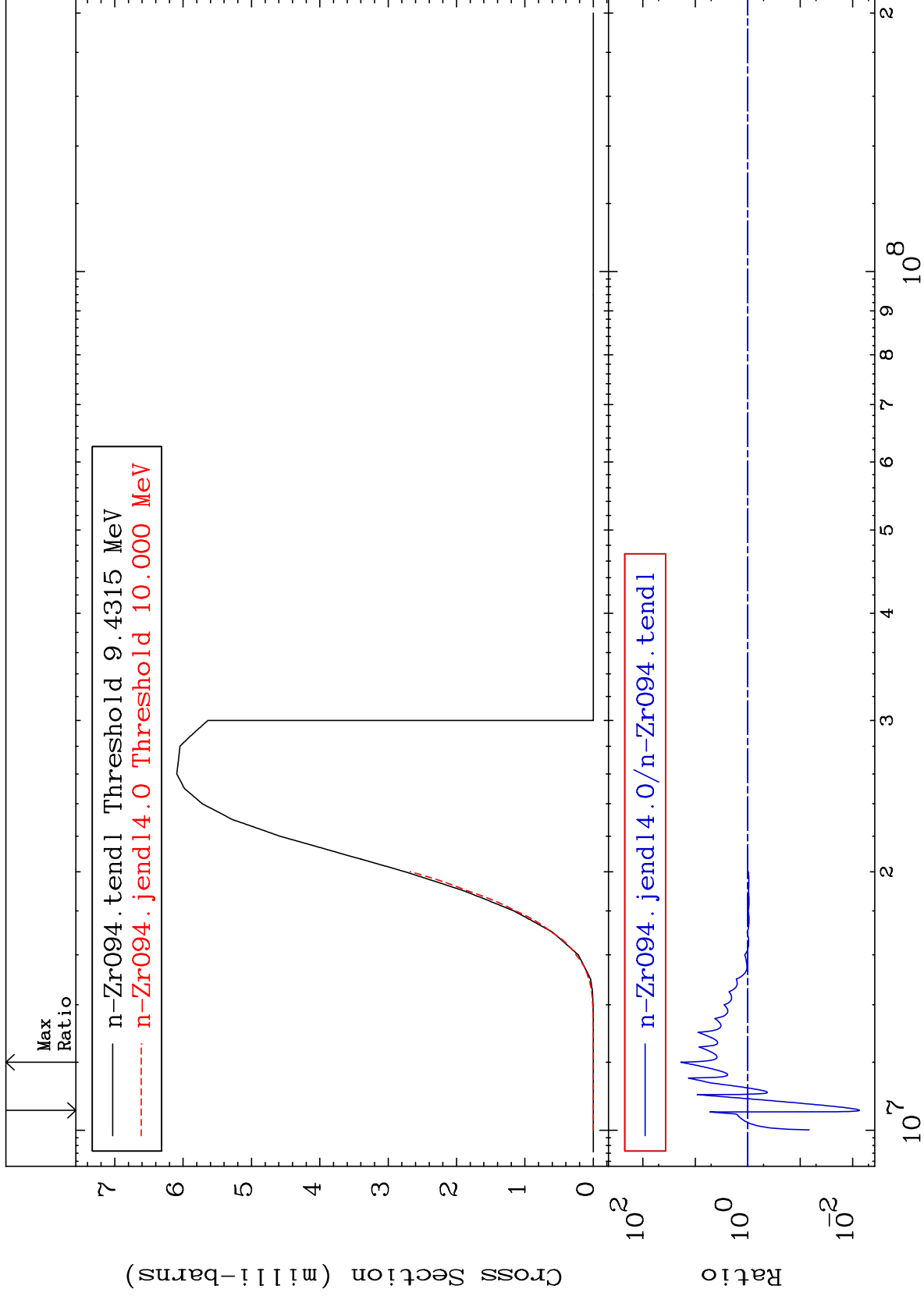
Incident Energy (eV)

40-Zr-94

MAT 4037

(n, t)
Cross Section

40-Zr-94
-99.26 To 1799. %



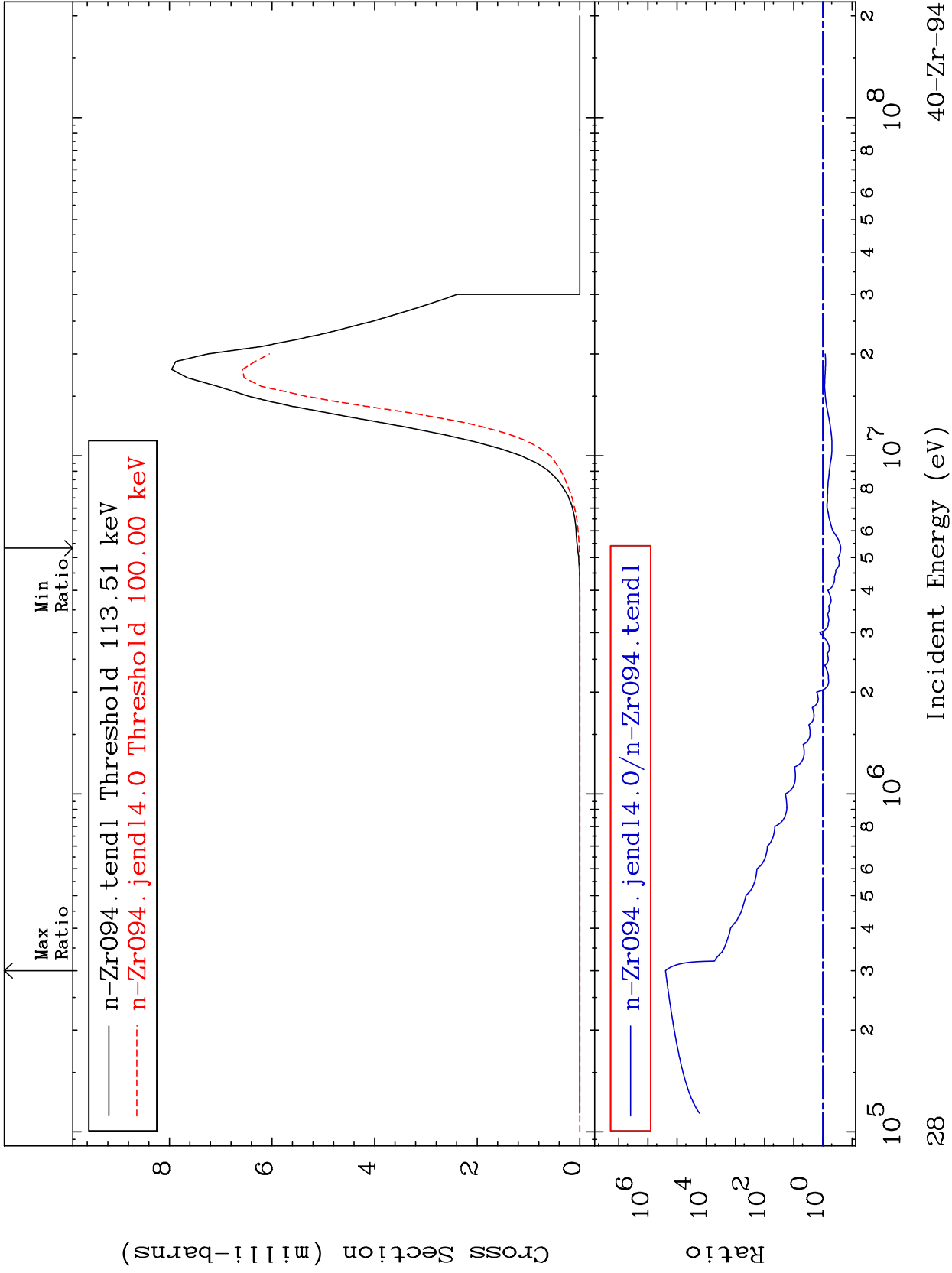
27

Incident Energy (eV)

40-Zr-94

MAT 4037

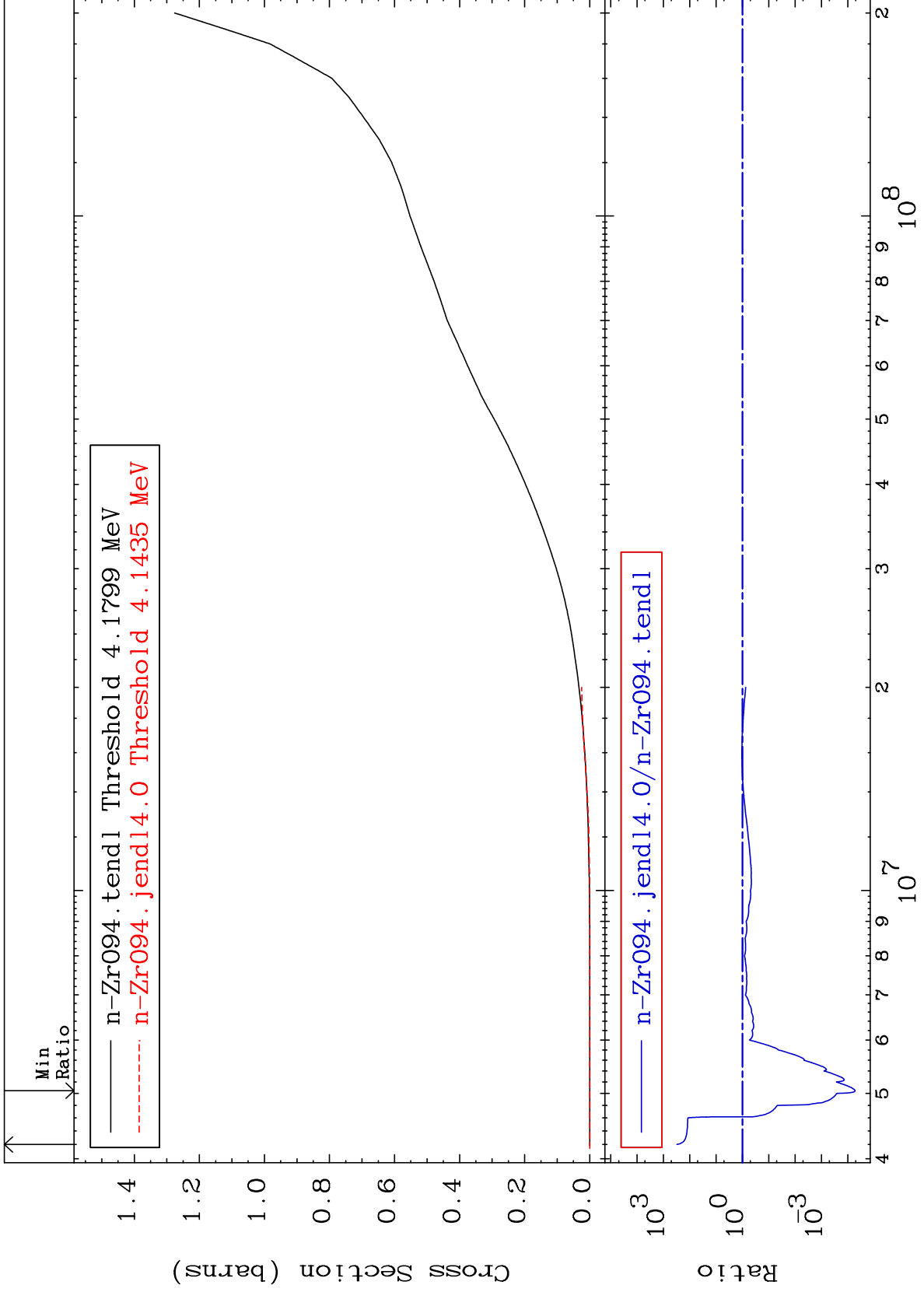
(n, α)
Cross Section
40-Zr-94
-75.40 To 9999. %



MAT 4037

Hydrogen Production
Cross Section

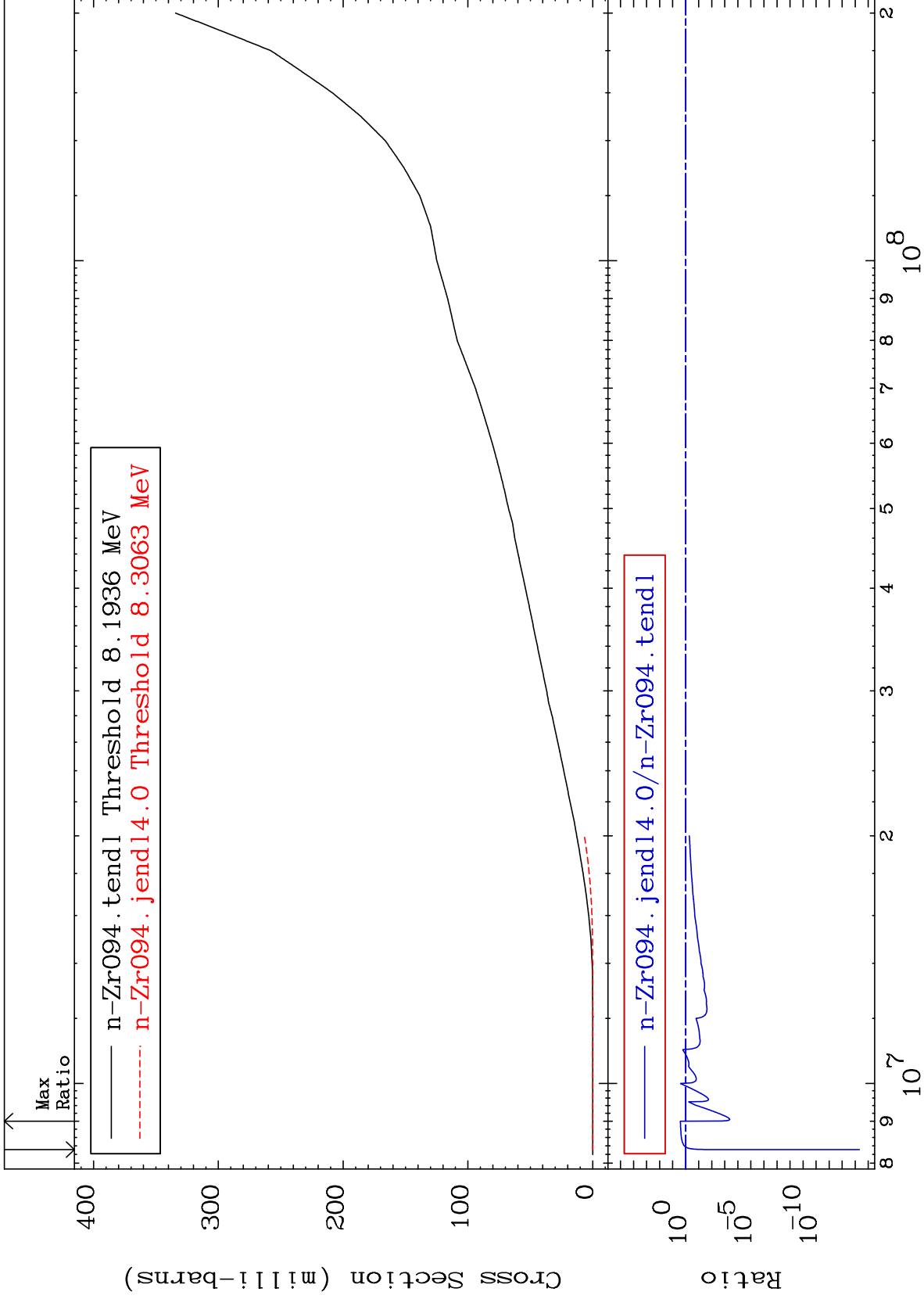
40-Zr-94
-99.99 To 9999. %



MAT 4037

Deuterium Production
Cross Section

40-Zr-94
-100.0 To 156.7 %



30

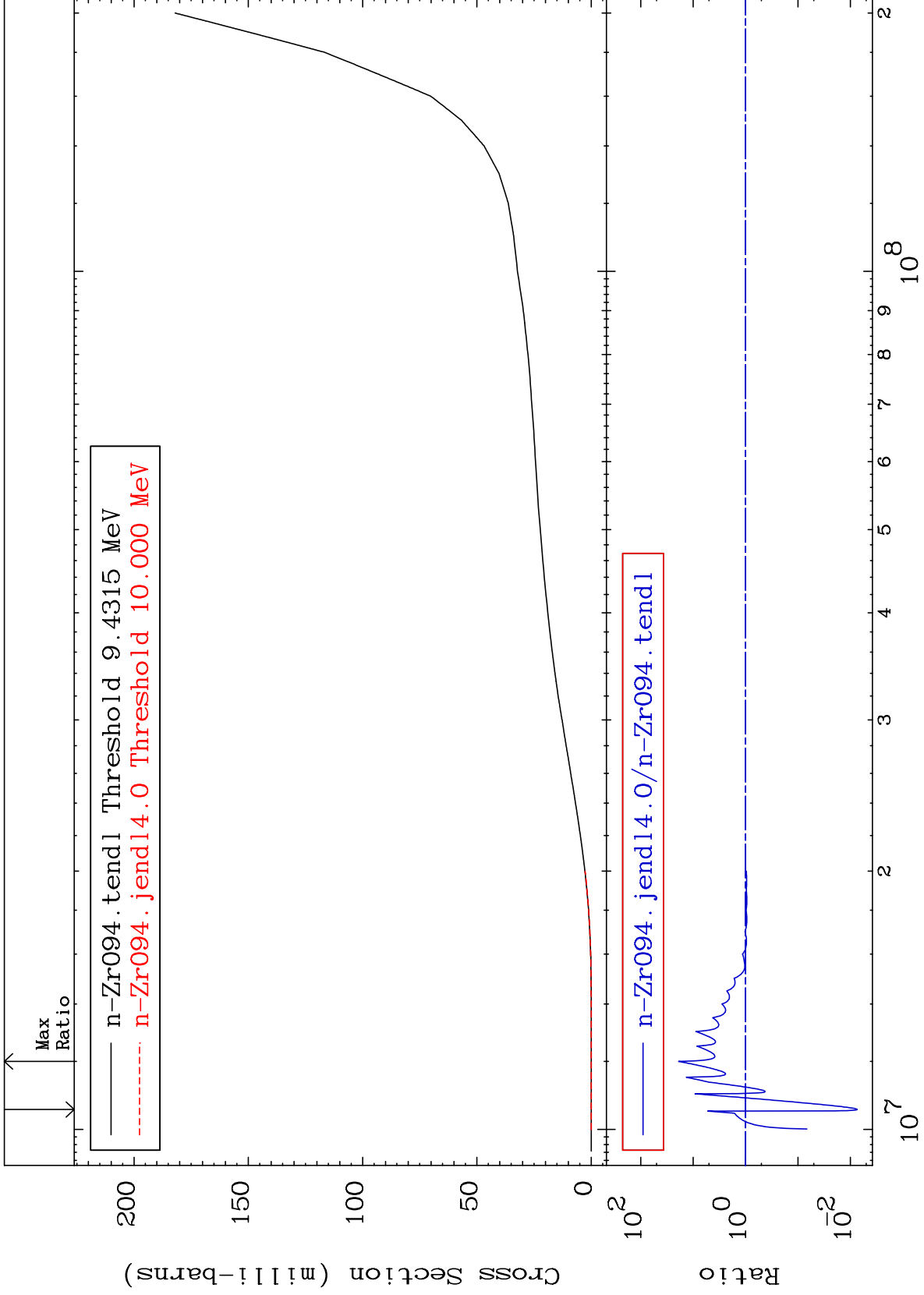
Incident Energy (eV)

40-Zr-94

MAT 4037

Tritium Production
Cross Section

40-Zr-94
-99.26 To 1799. %



31

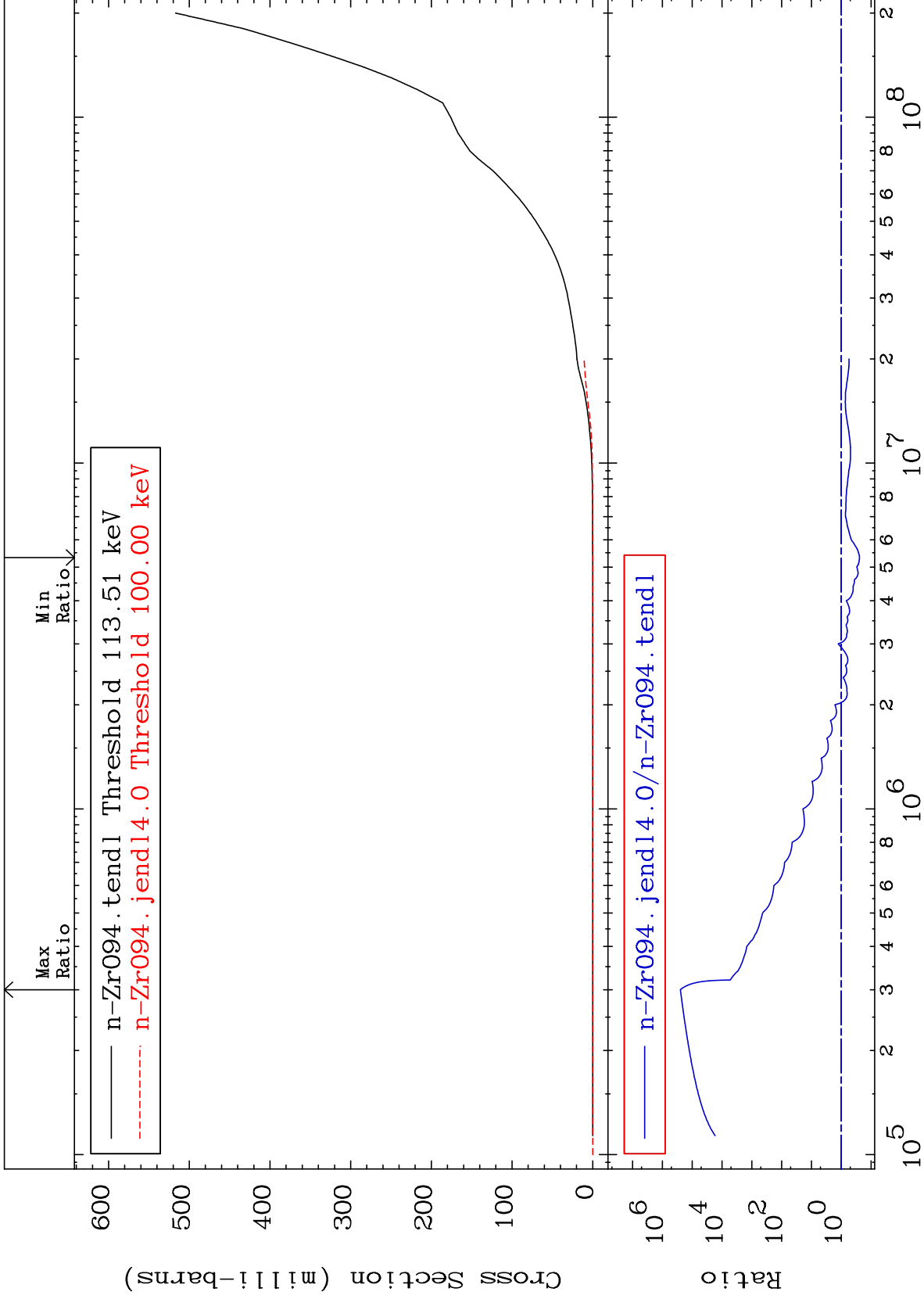
Incident Energy (eV)

40-Zr-94

MAT 4037

He-4 Production
Cross Section

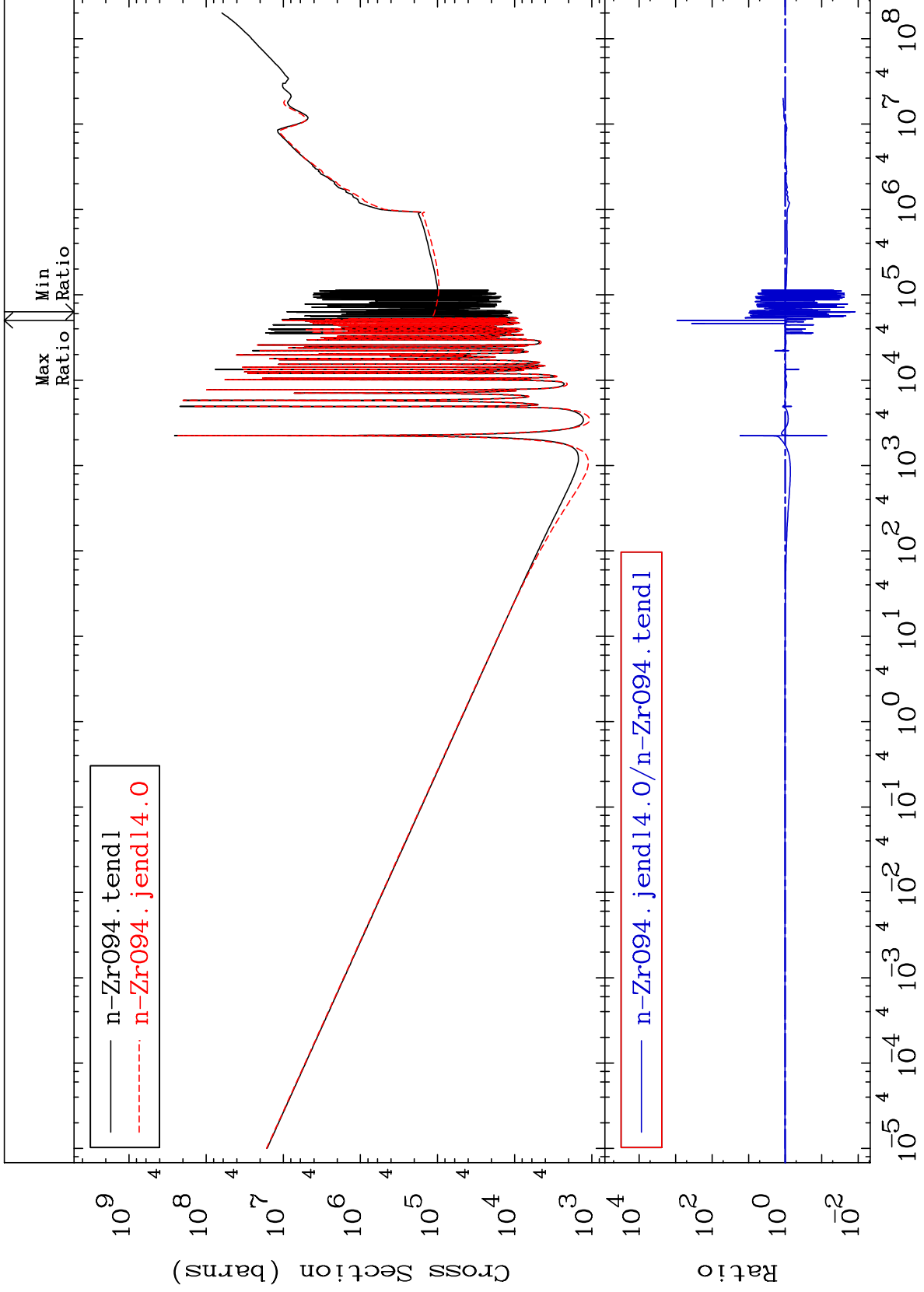
40-Zr-94
-75.40 To 9999. %



32

Incident Energy (eV)

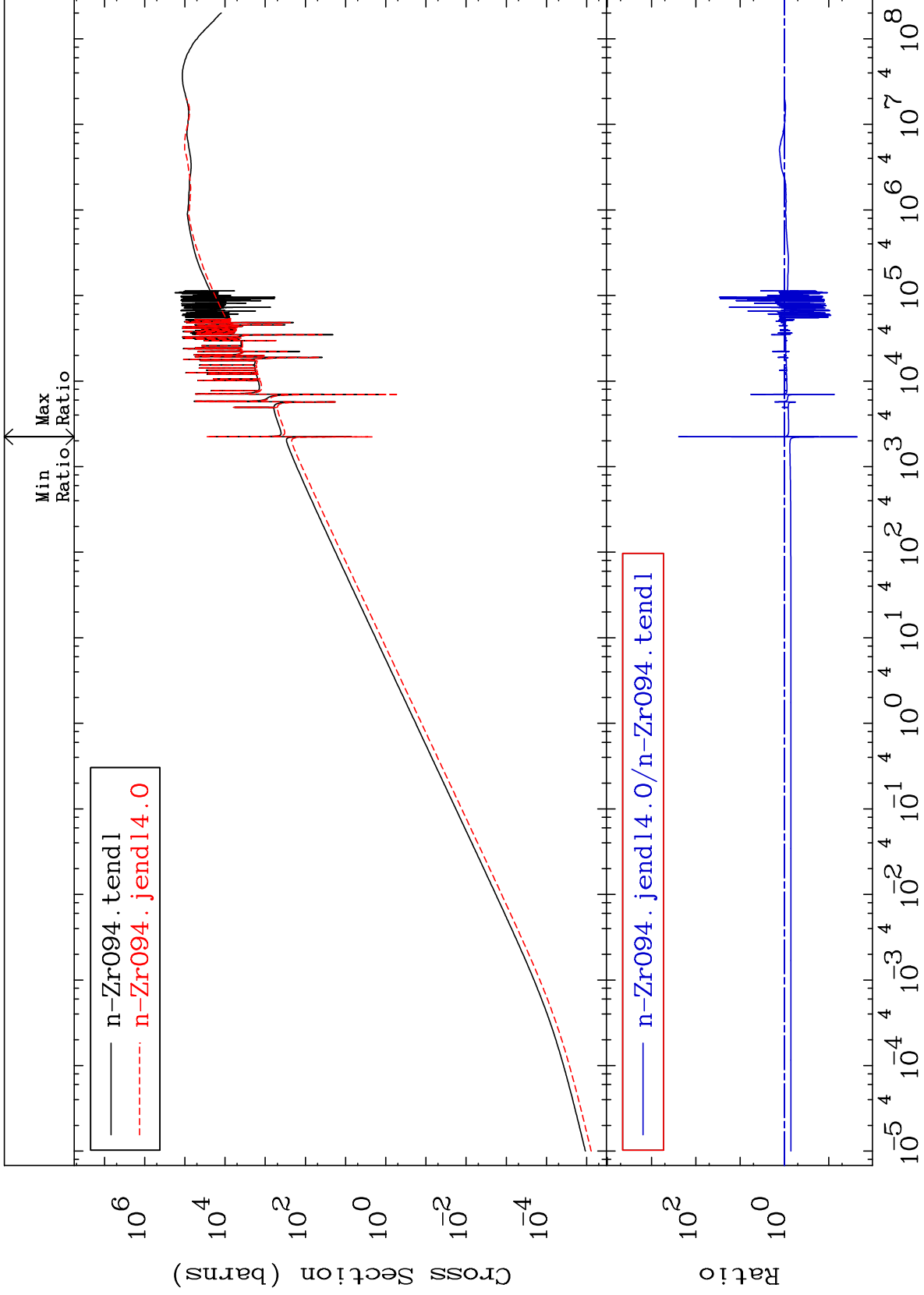
40-Zr-94

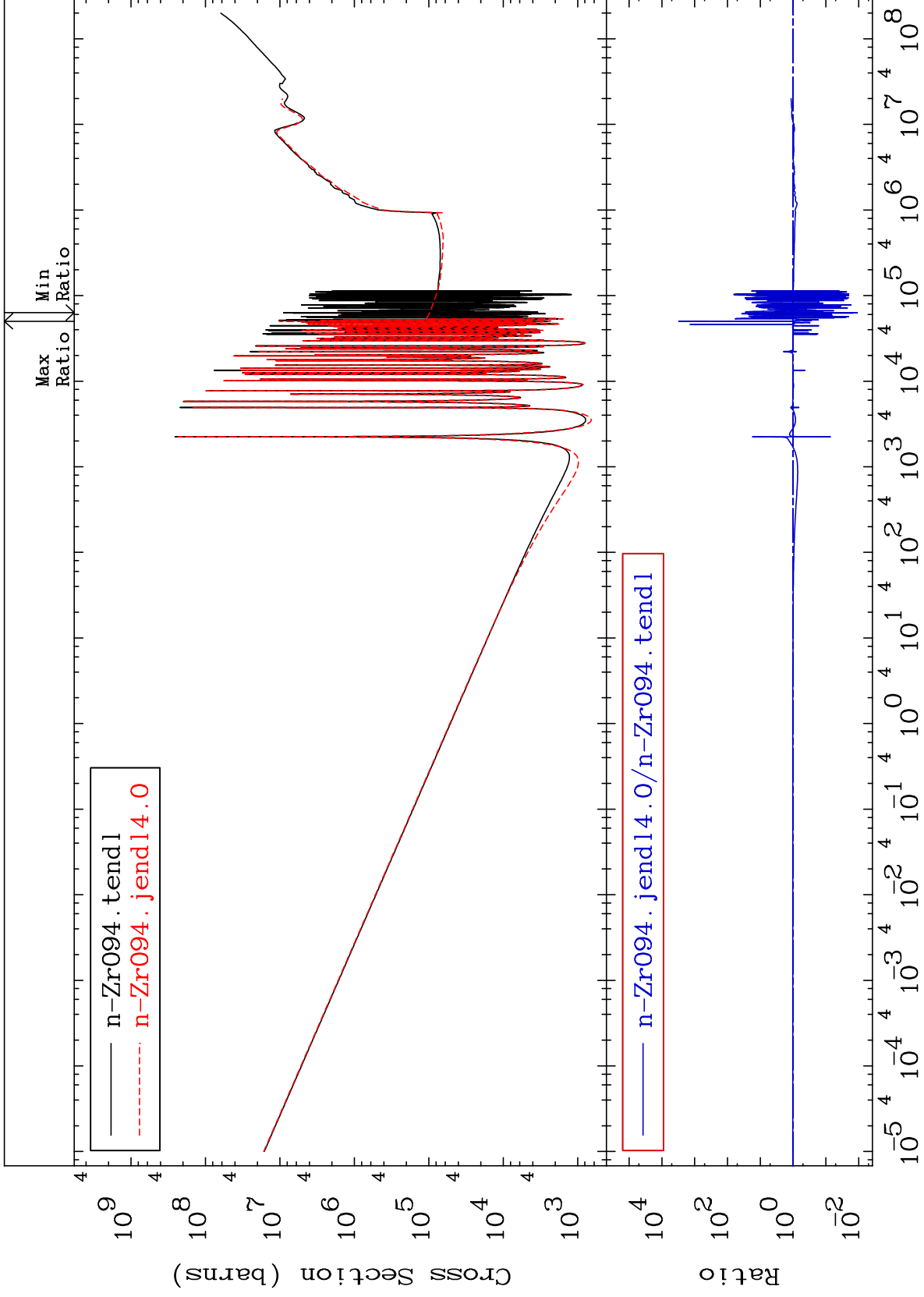


MAT 4037

Kerma elastic
Cross Section

40-Zr-94
-97.74 To 9999. %

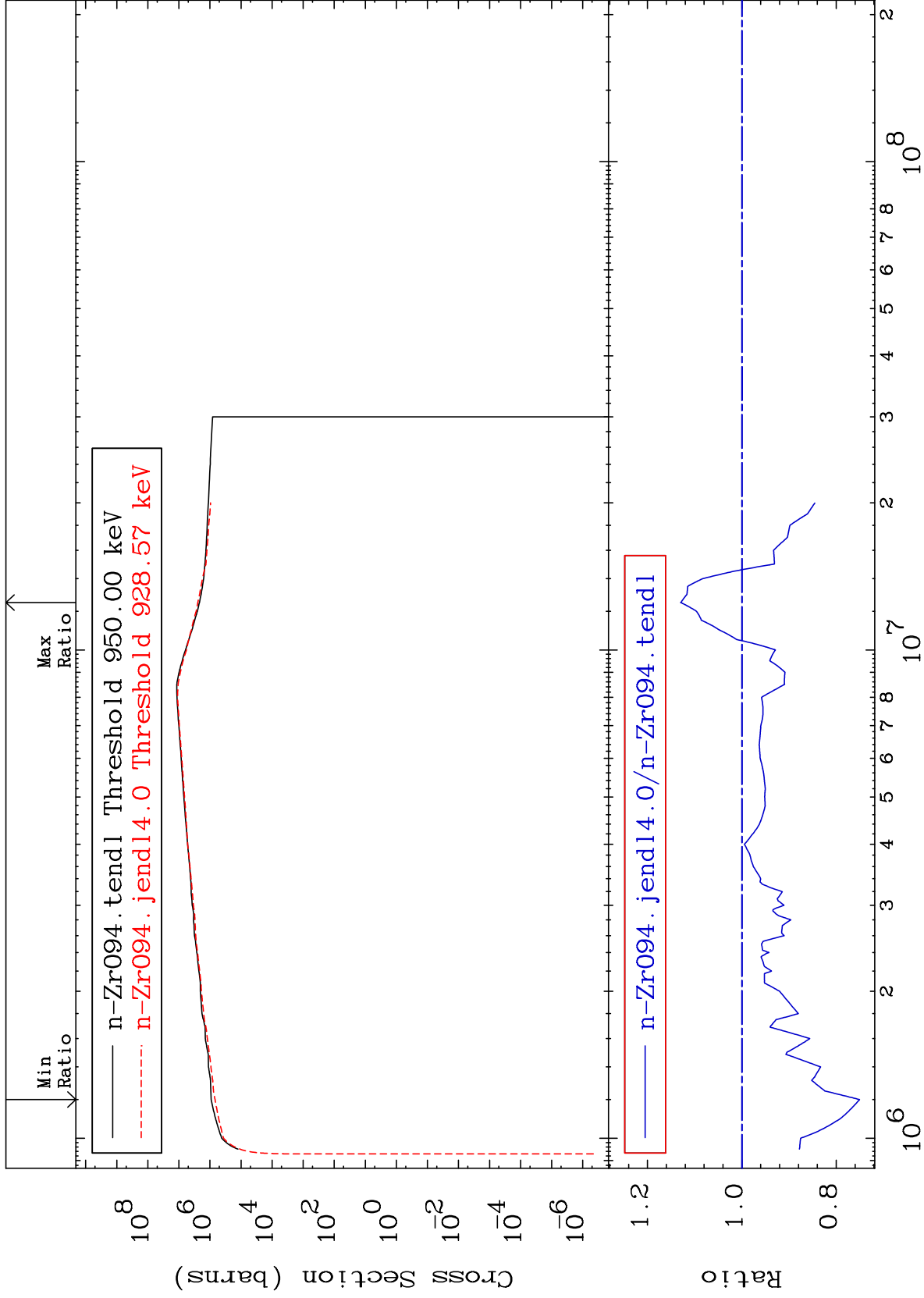




MAT 4037

Kerma inelastic (mt51-91)
Cross Section

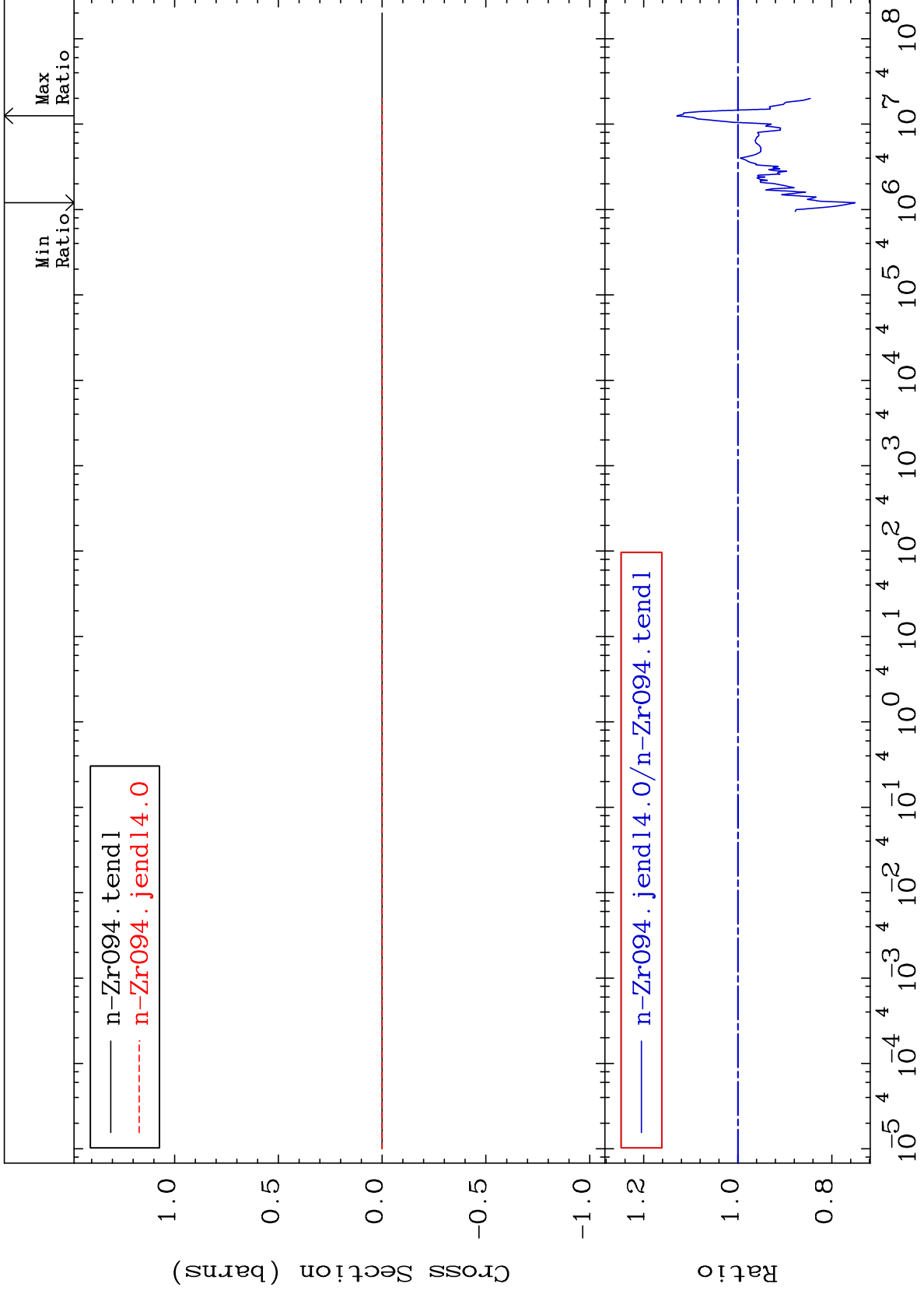
40-Zr-94
-24.94 To 12.95 %



MAT 4037

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

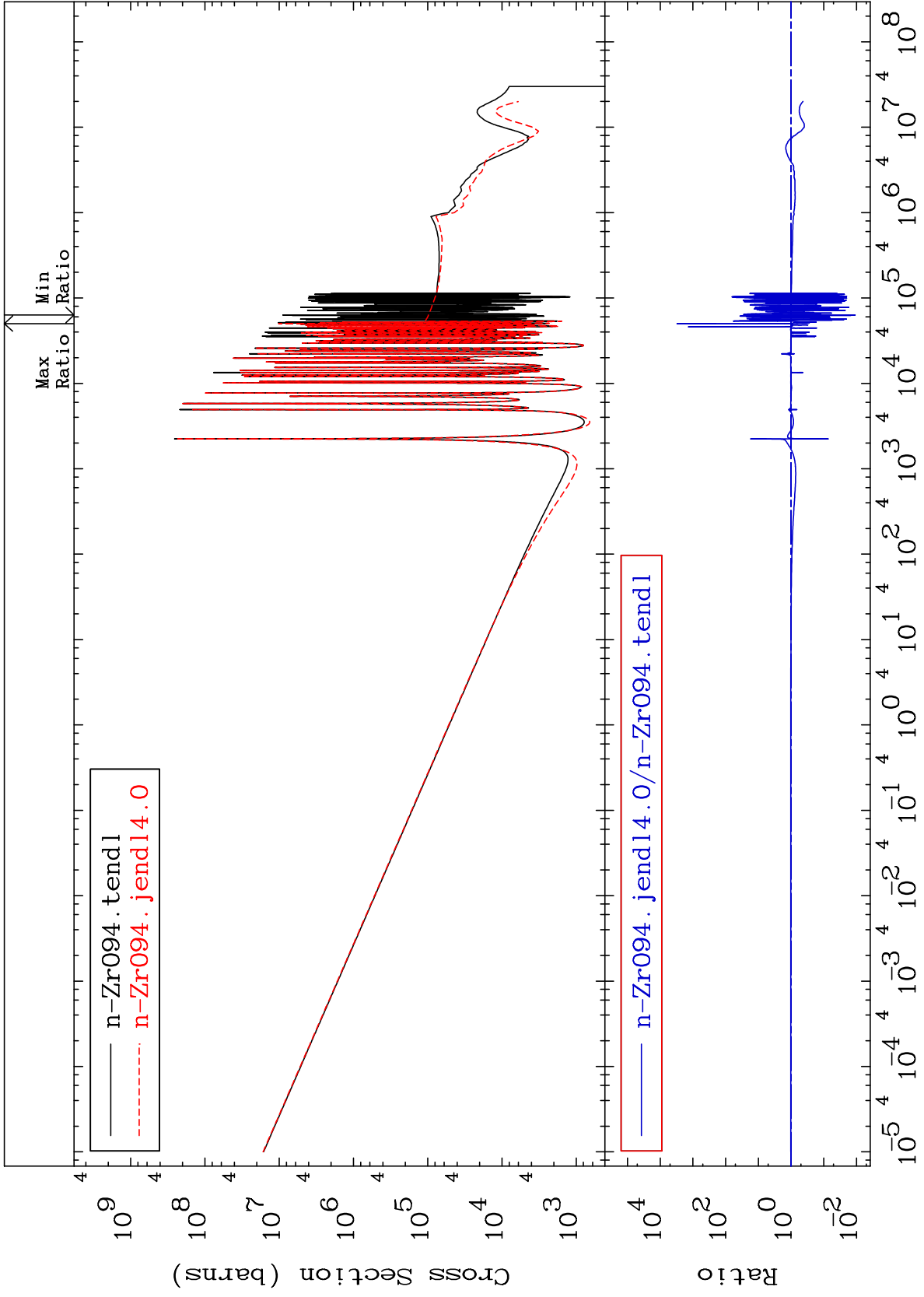
40-Zr-94
-24.94 To 12.95 %



37

Incident Energy (eV)

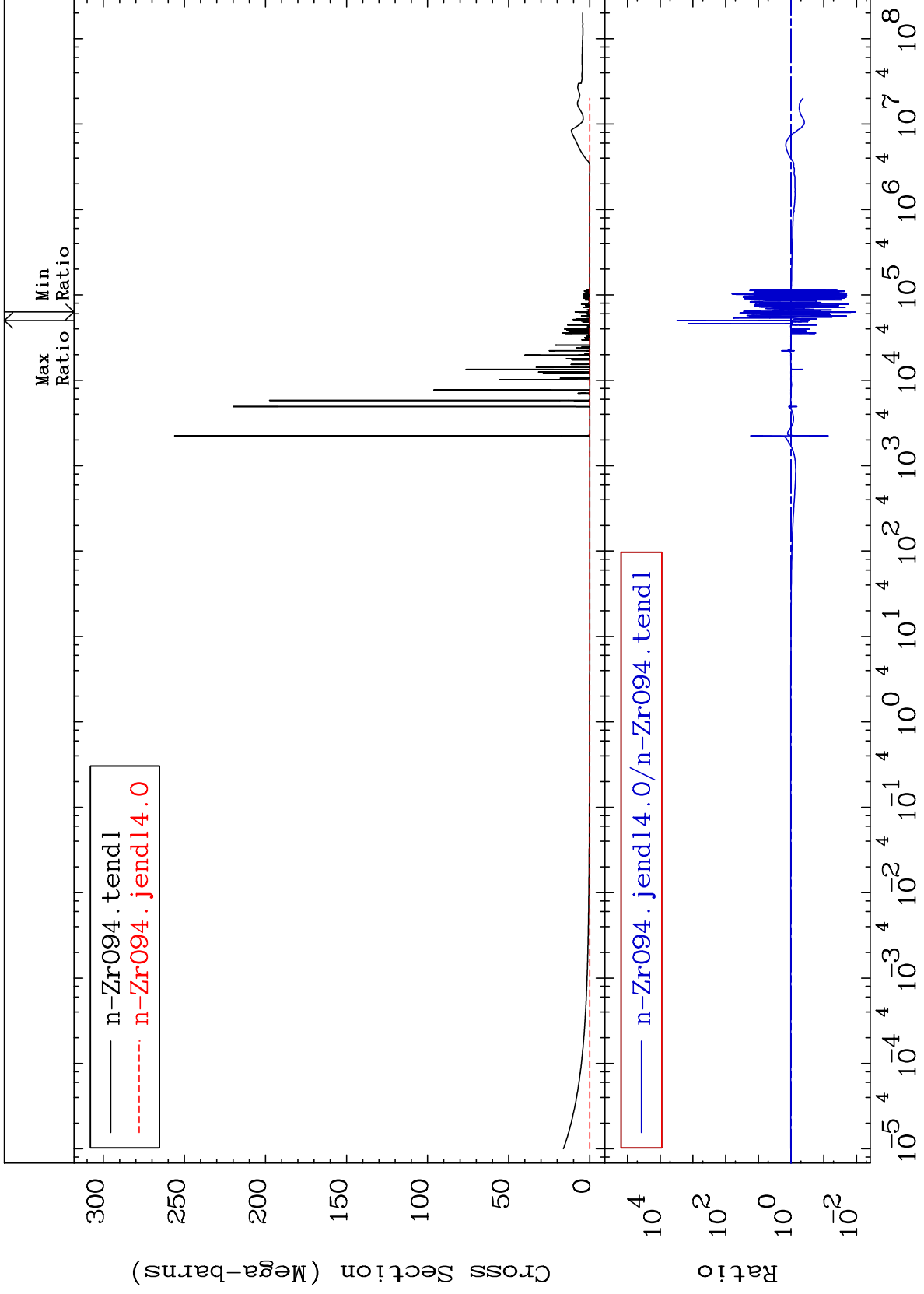
40-Zr-94



MAT 4037

Total photon (eV-barns)
Cross Section

40-Zr-94
-98.90 To 9999. %



39

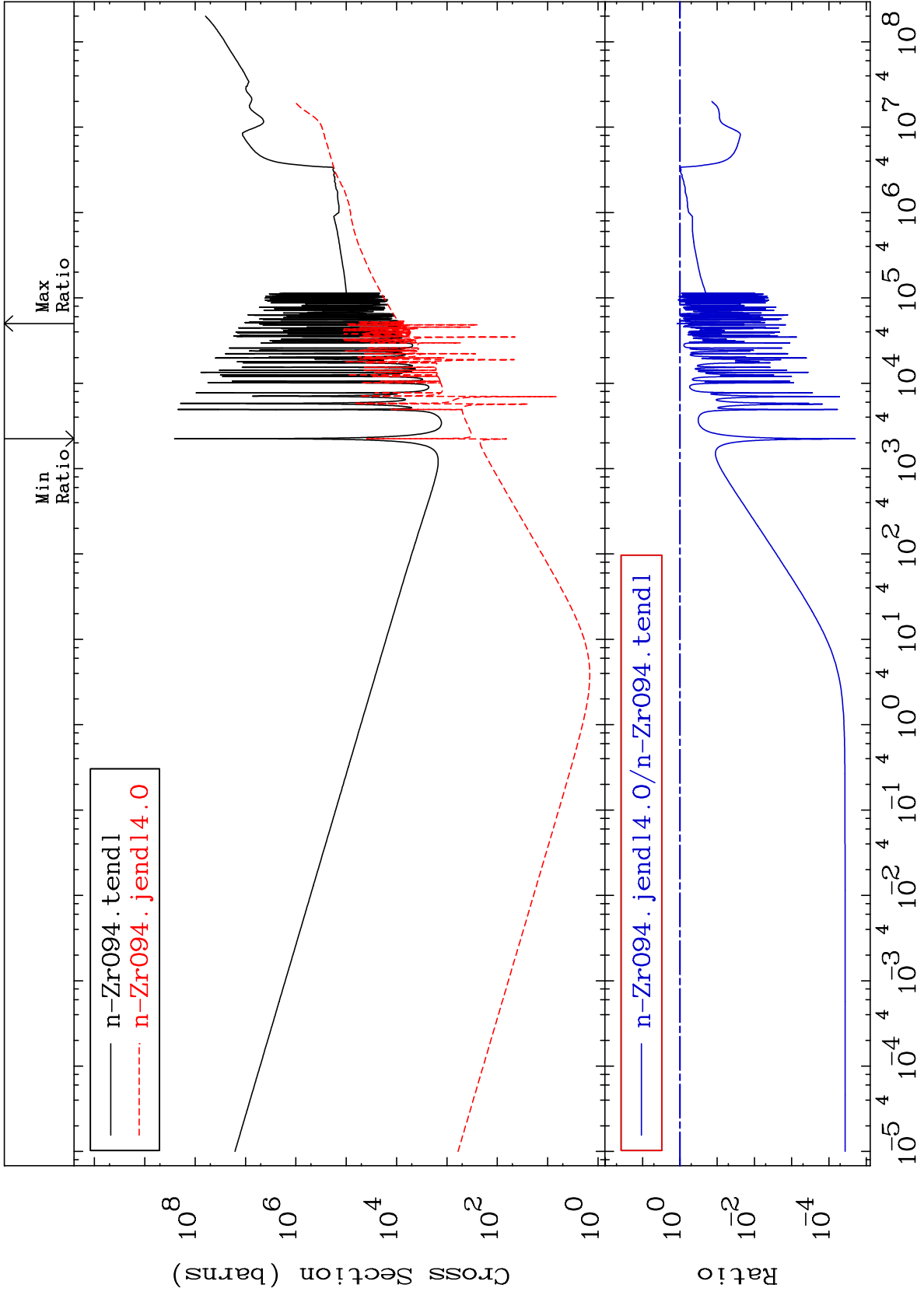
Incident Energy (eV)

40-Zr-94

MAT 4037

Total kinematic kerma (high limit)
Cross Section

40-Zr-94
-100.0 To 20.14 %



40

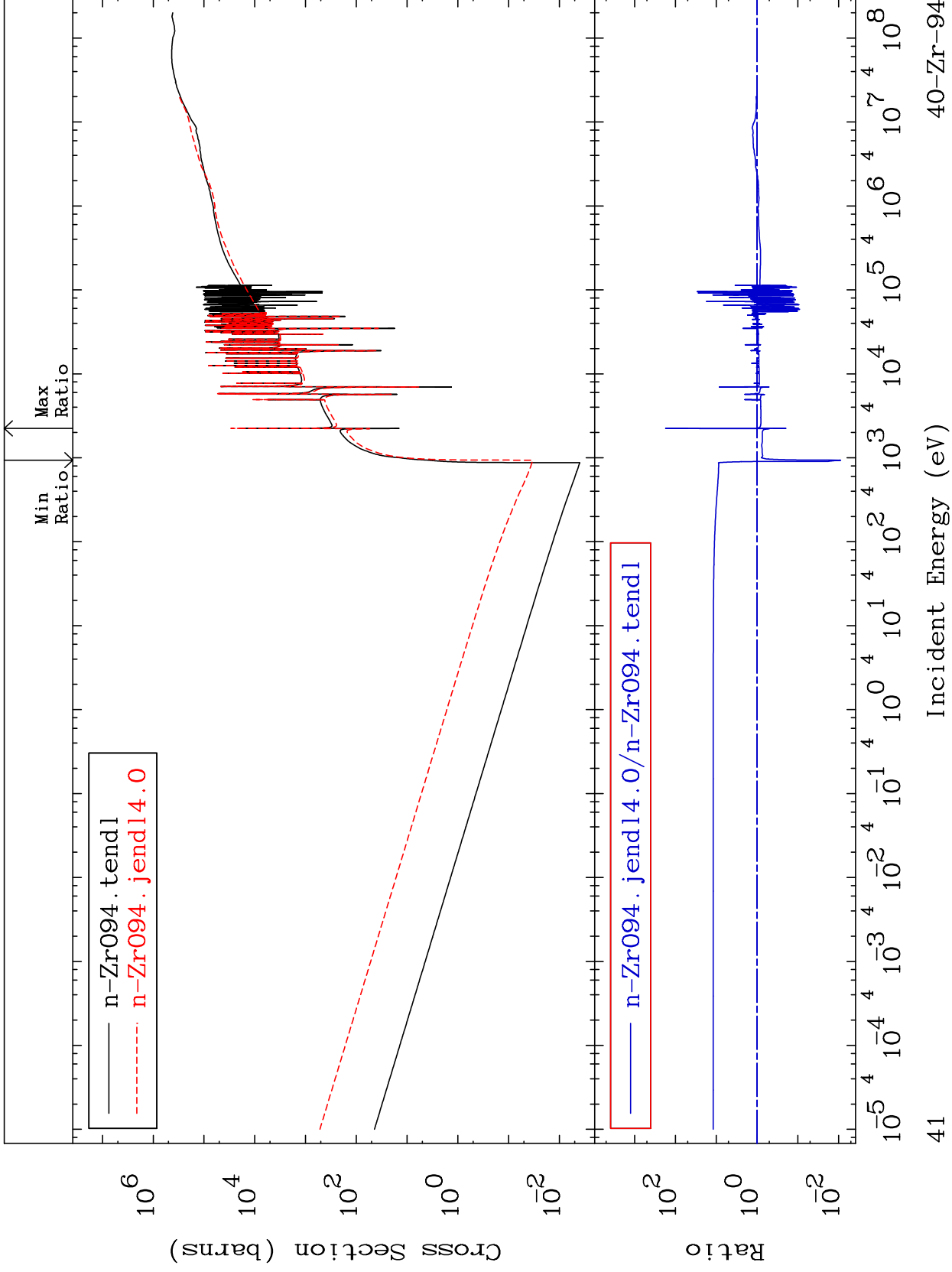
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa total (eV-barns)
Cross Section

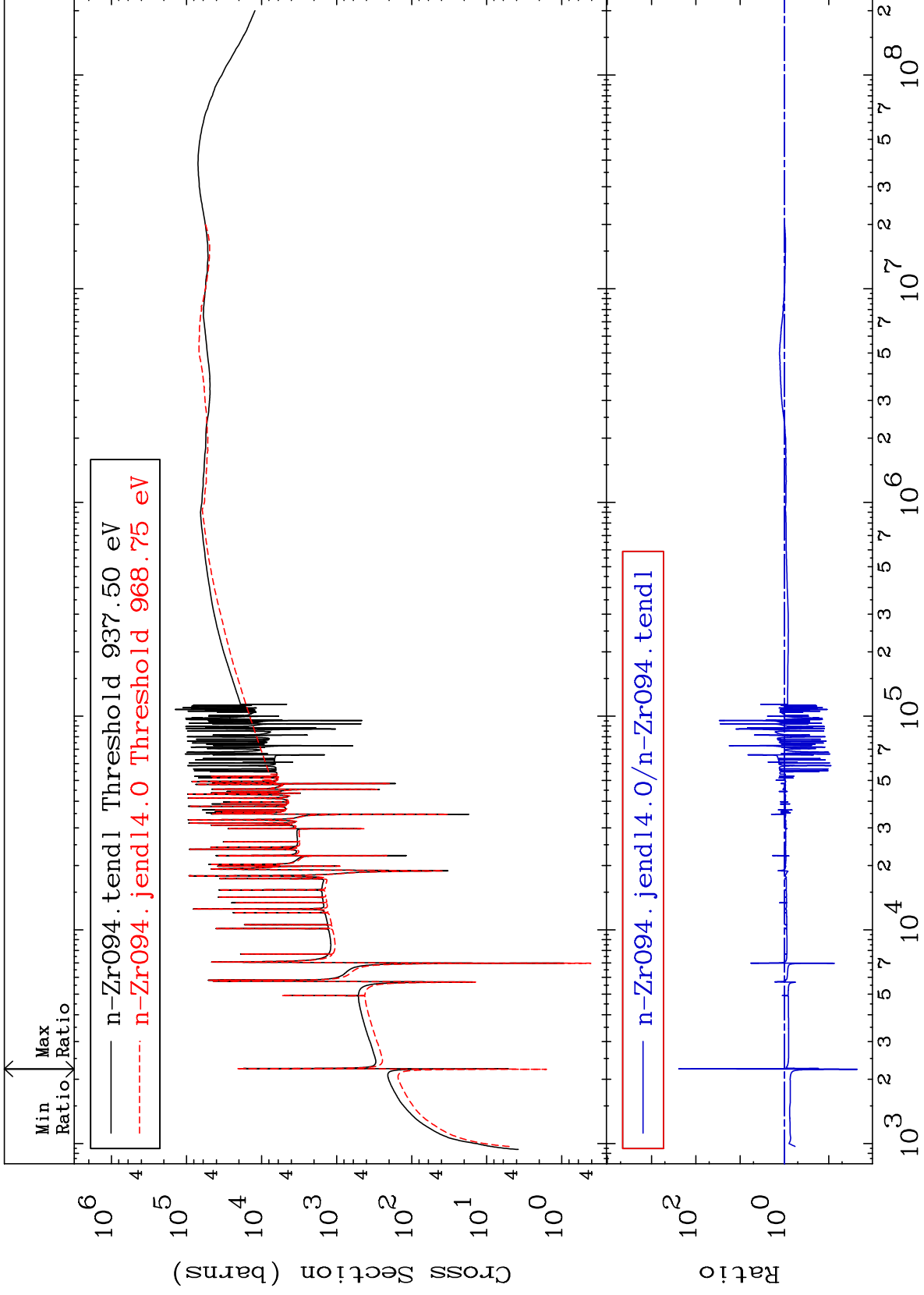
40-Zr-94
-99.11 To 9999. %



MAT 4037

Dpa elastic (mt2)
Cross Section

40-Zr-94
-97.73 To 9999. %



42

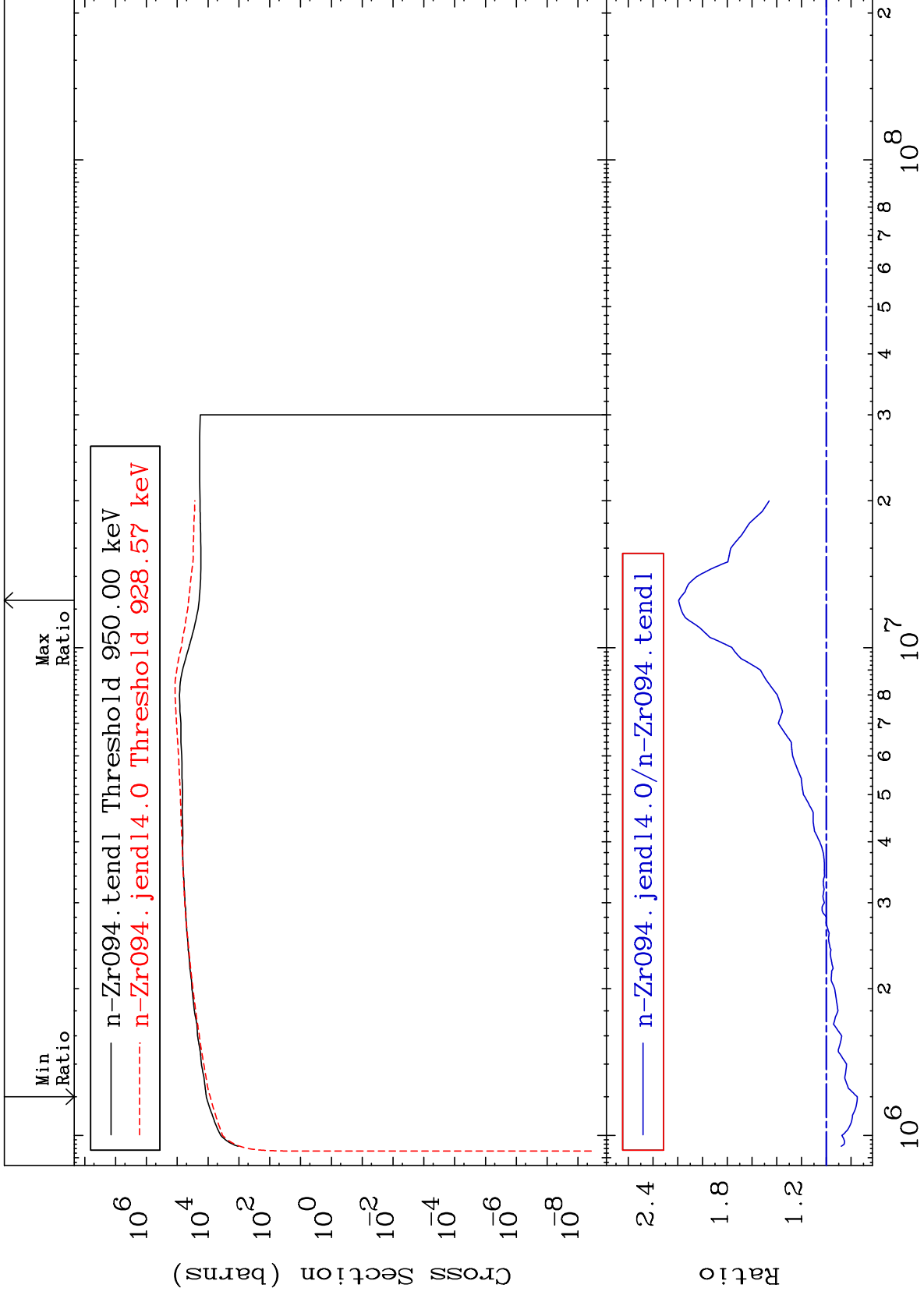
40-Zr-94

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)
Cross Section

40-Zr-94
-24.99 To 119.4 %



43

Incident Energy (eV)

40-Zr-94

