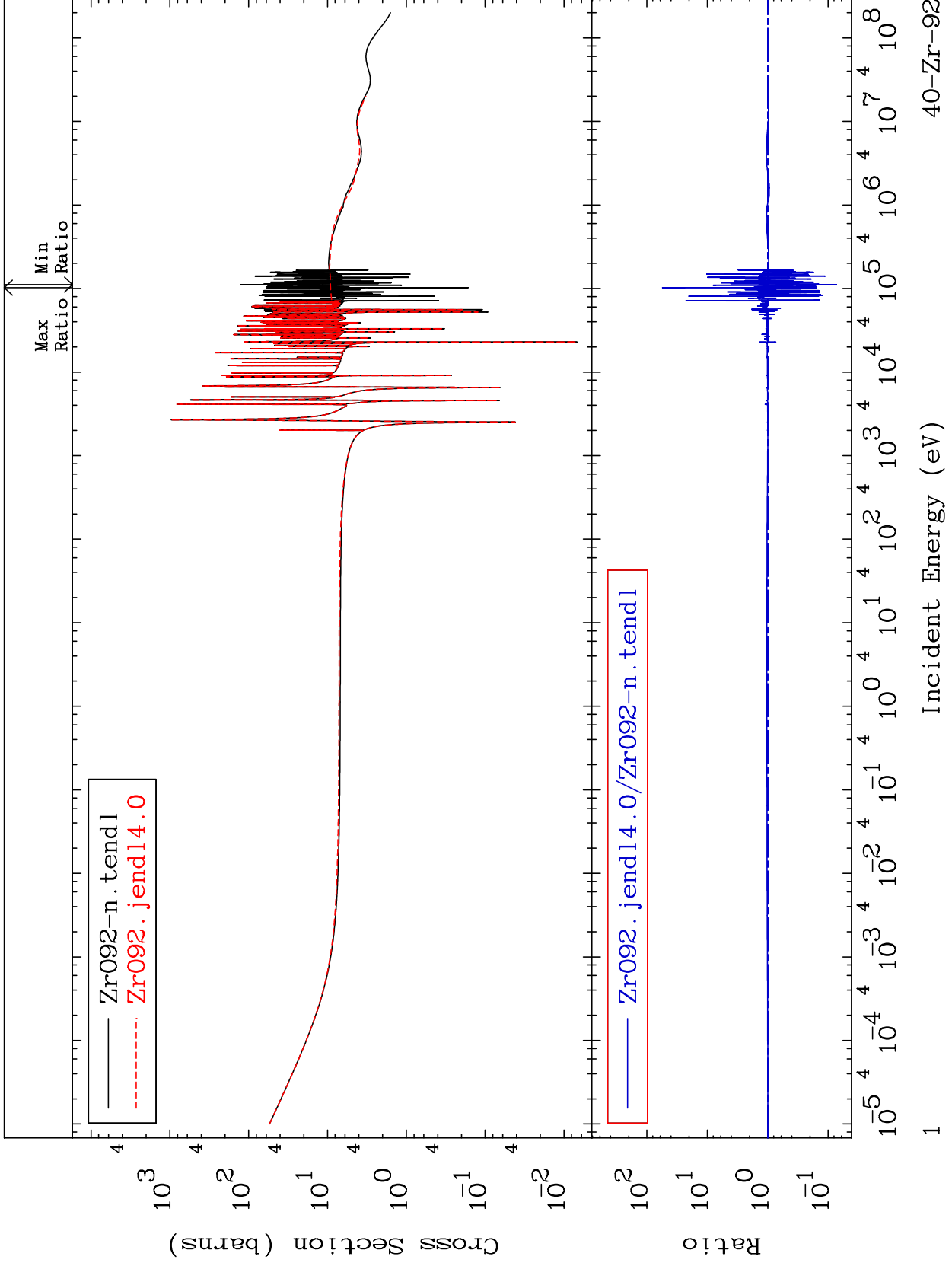


MAT 4031

Total
Cross Section

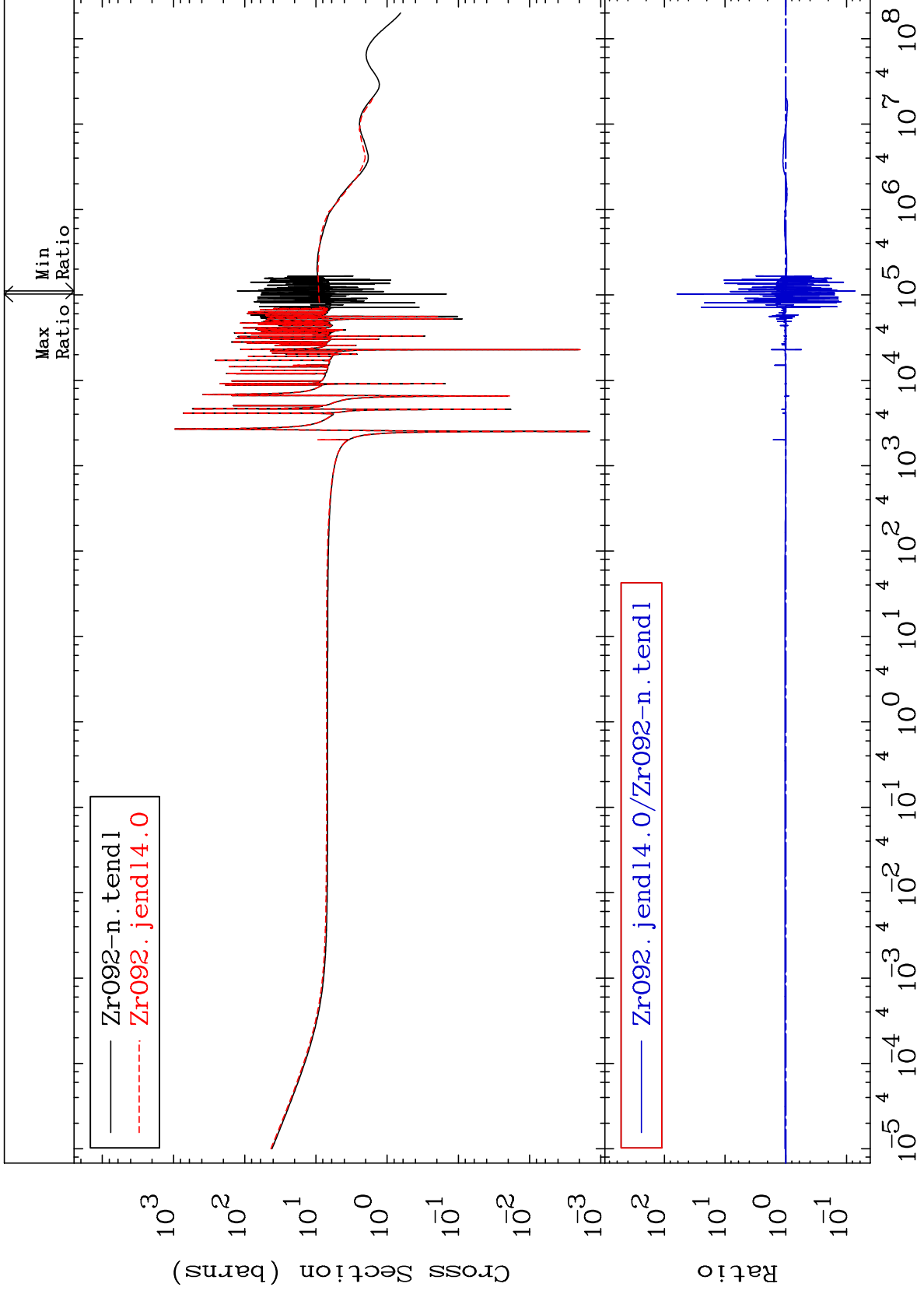
40-Zr-92
-92.76 To 5462. %



MAT 4031

Elastic
Cross Section

40-Zr-92
-92.77 To 6115. %

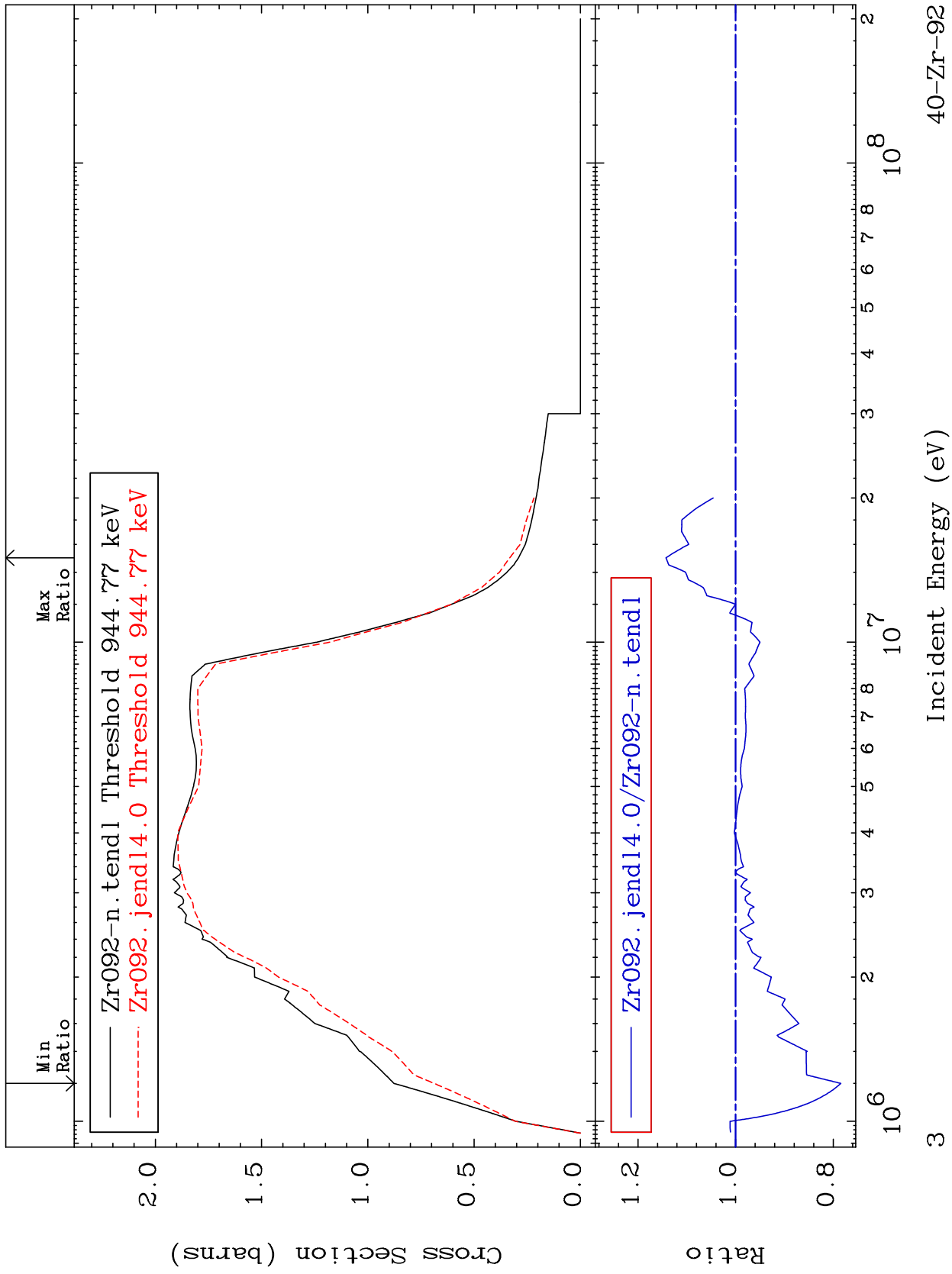


Incident Energy (eV)

40-Zr-92

2

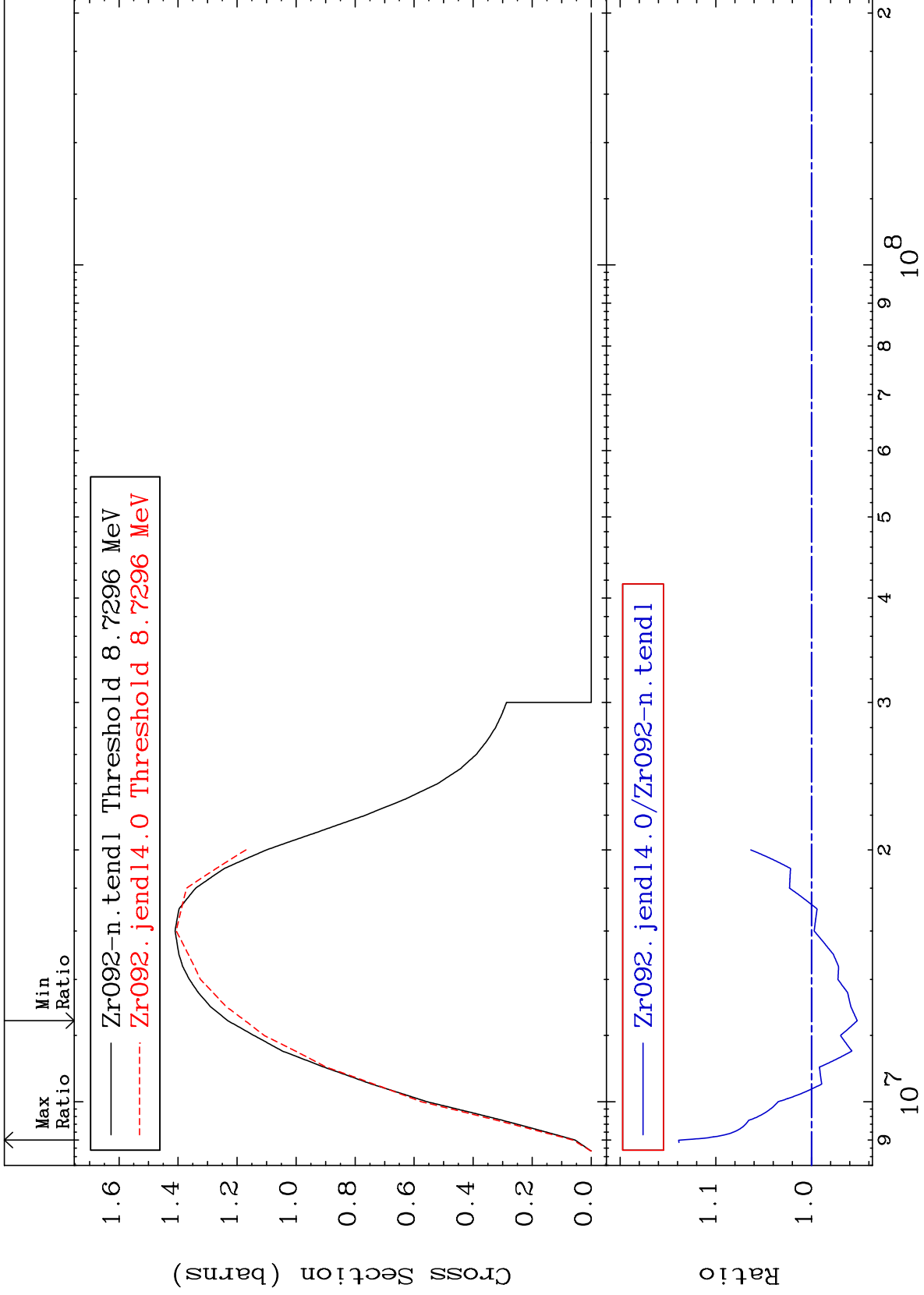
MAT 4031 Inelastic Cross Section 40-Zr-92 -21.56 To 14.26 %



MAT 4031

(n,2n)
Cross Section

40-Zr-92
-4.782 To 13.88 %



4

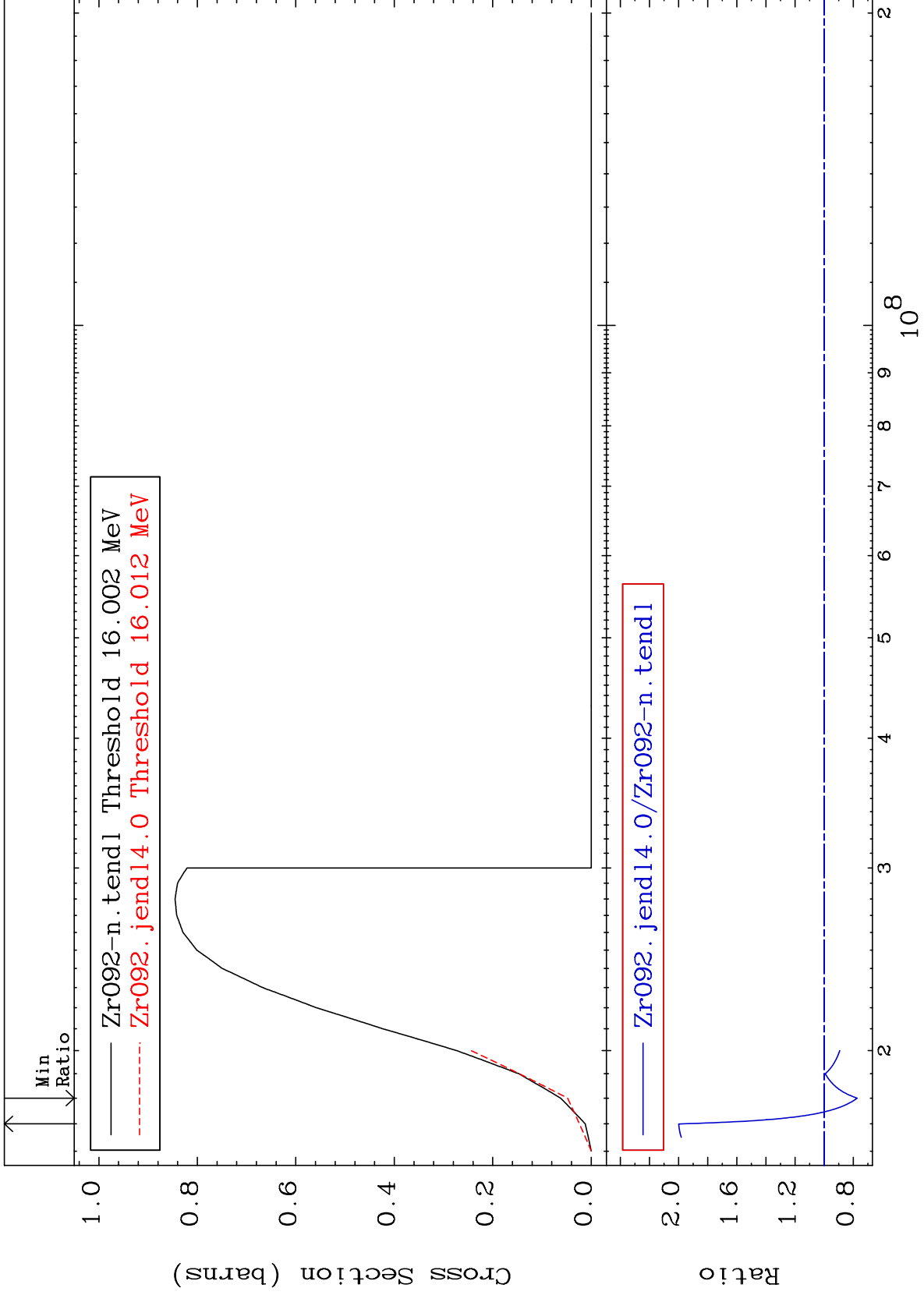
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,3n)
Cross Section

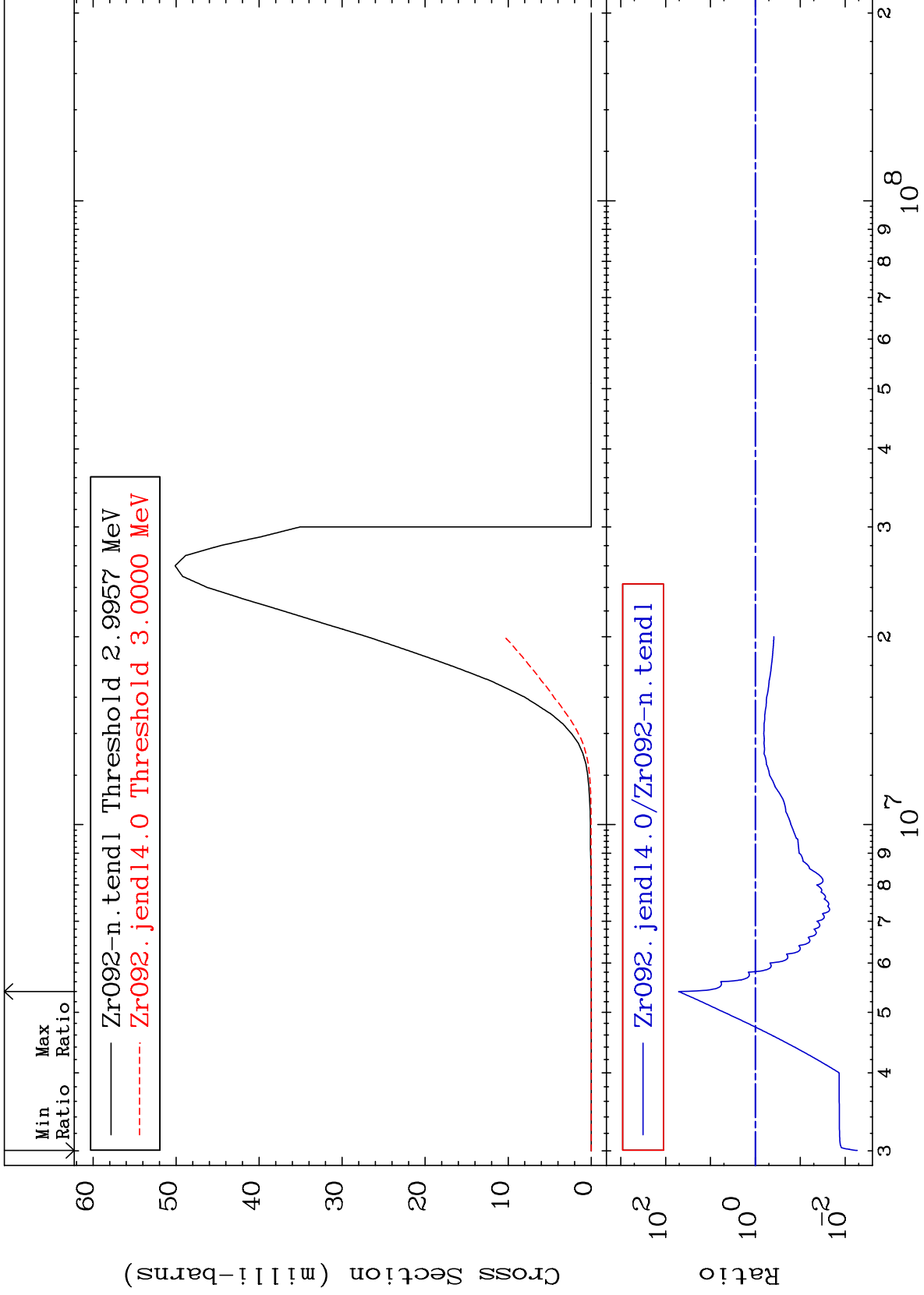
40-Zr-92
-22.76 To 99.96 %



MAT 4031

(n, n') α
Cross Section

40-Zr-92
-99.46 To 5035. %



6

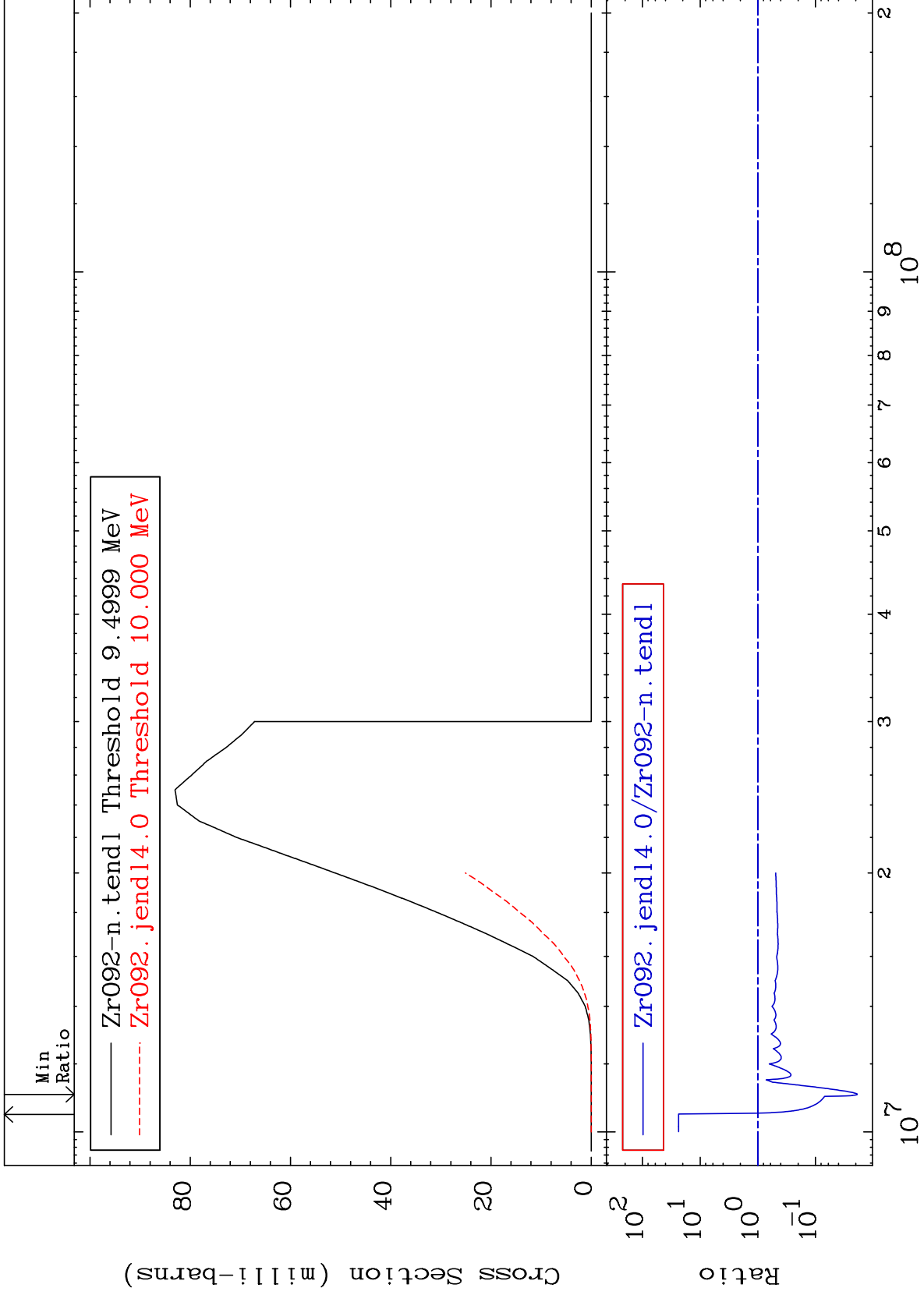
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,n') p
Cross Section

40-Zr-92
-98.11 To 2259. %



7

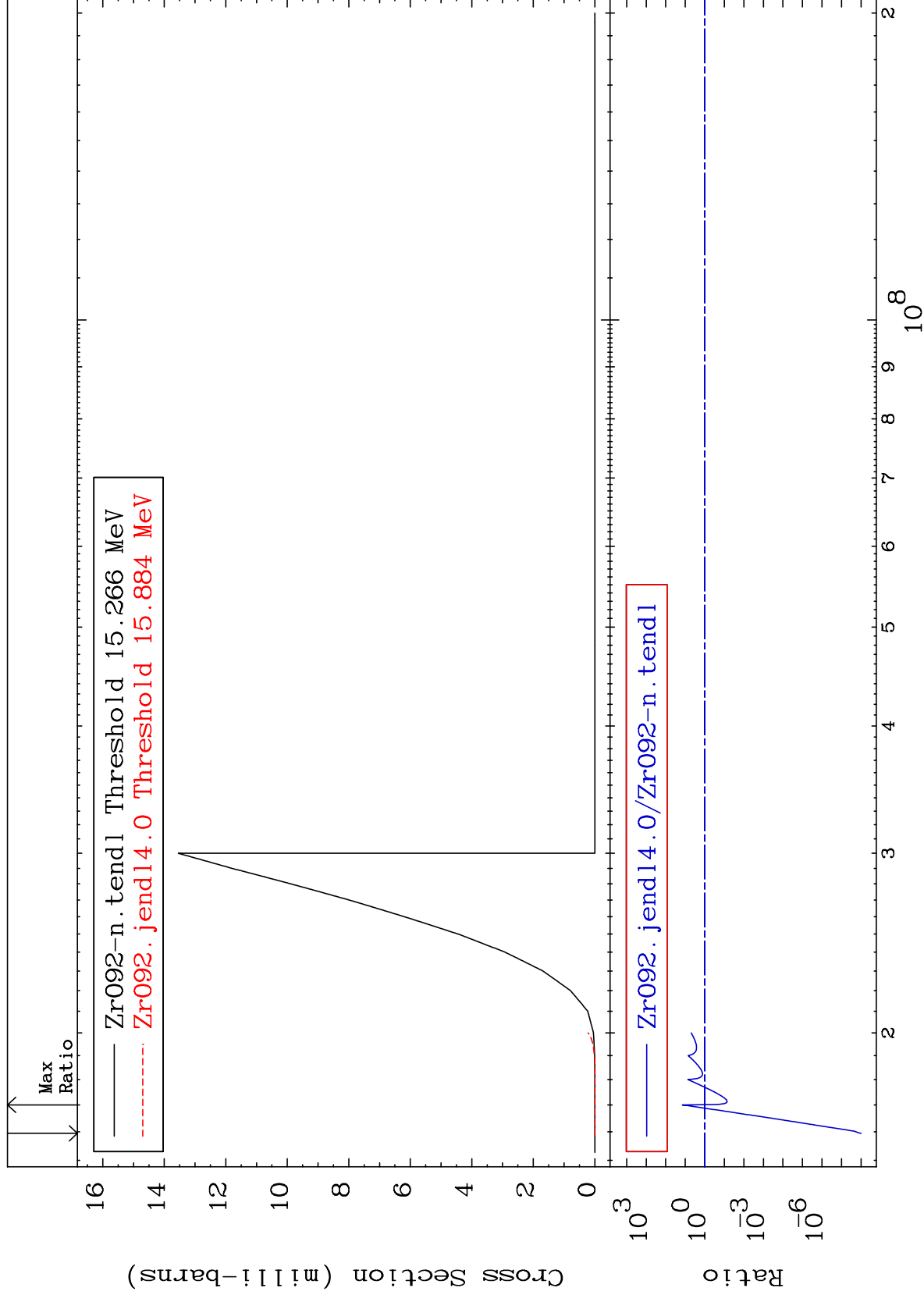
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,n') d
Cross Section

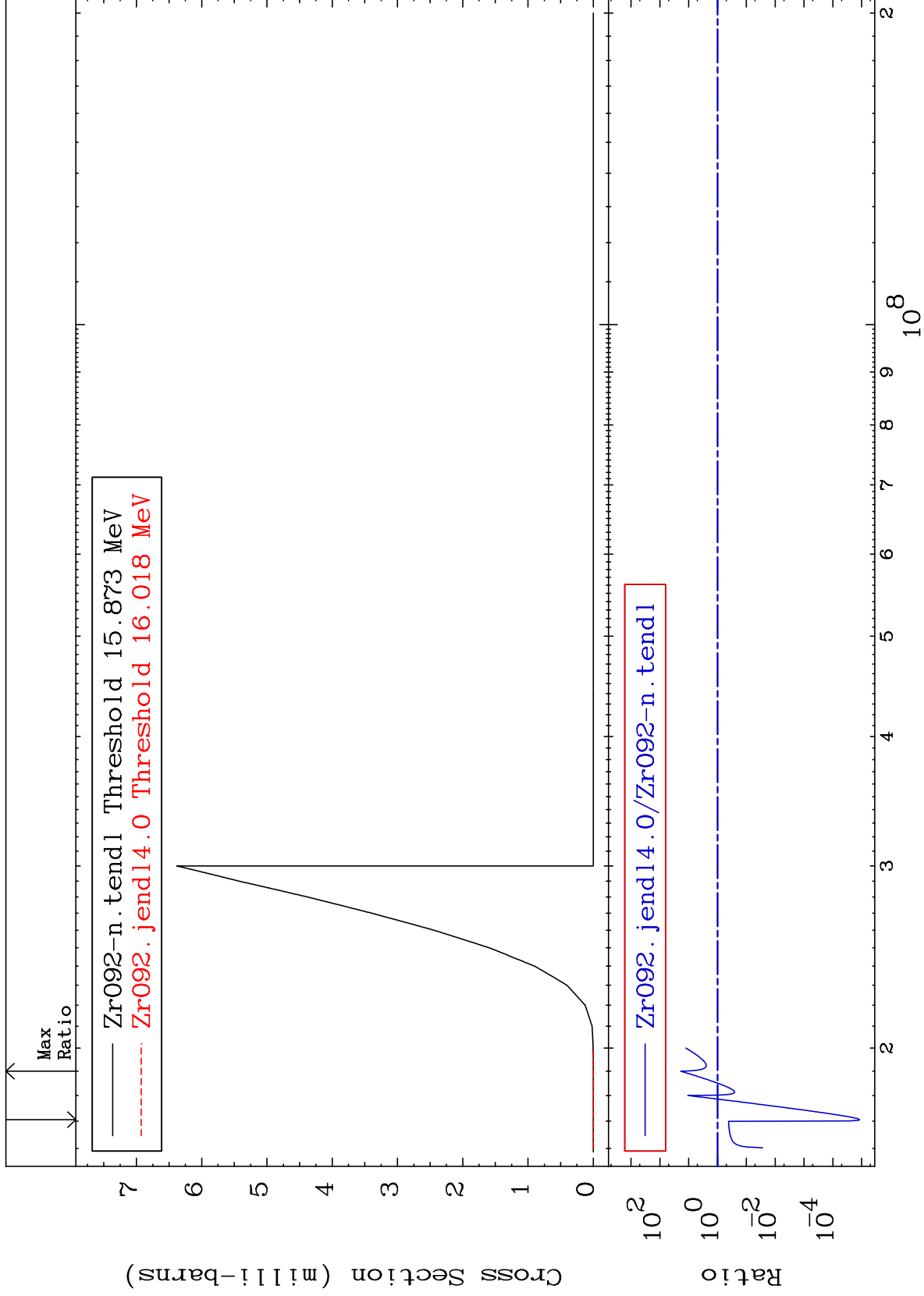
40-Zr-92
-100.0 To 1313. %



MAT 4031

(n,n') t
Cross Section

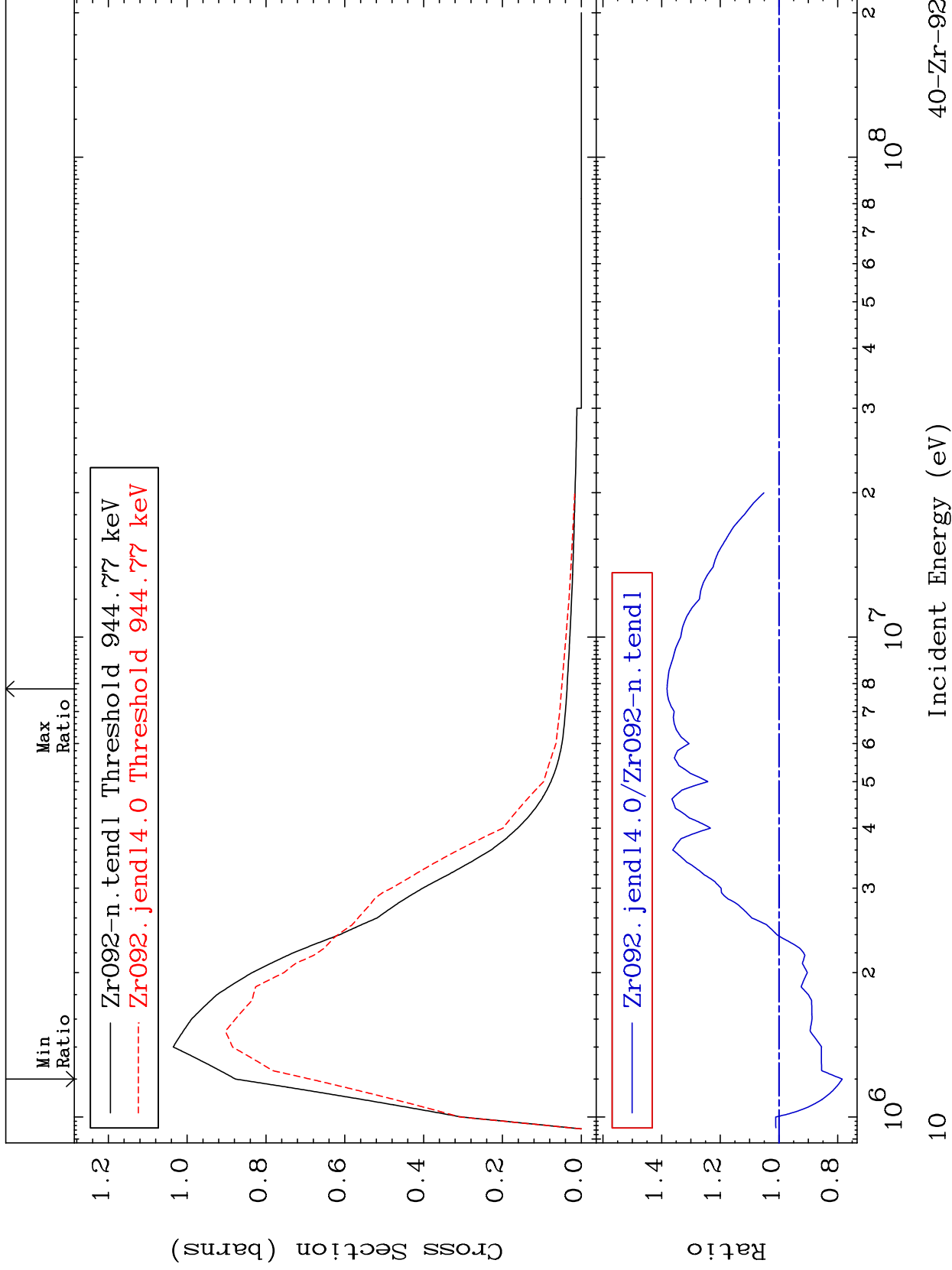
40-Zr-92
-100.0 To 1788. %



MAT 4031

934.5 keV (n,n') Level
Cross Section

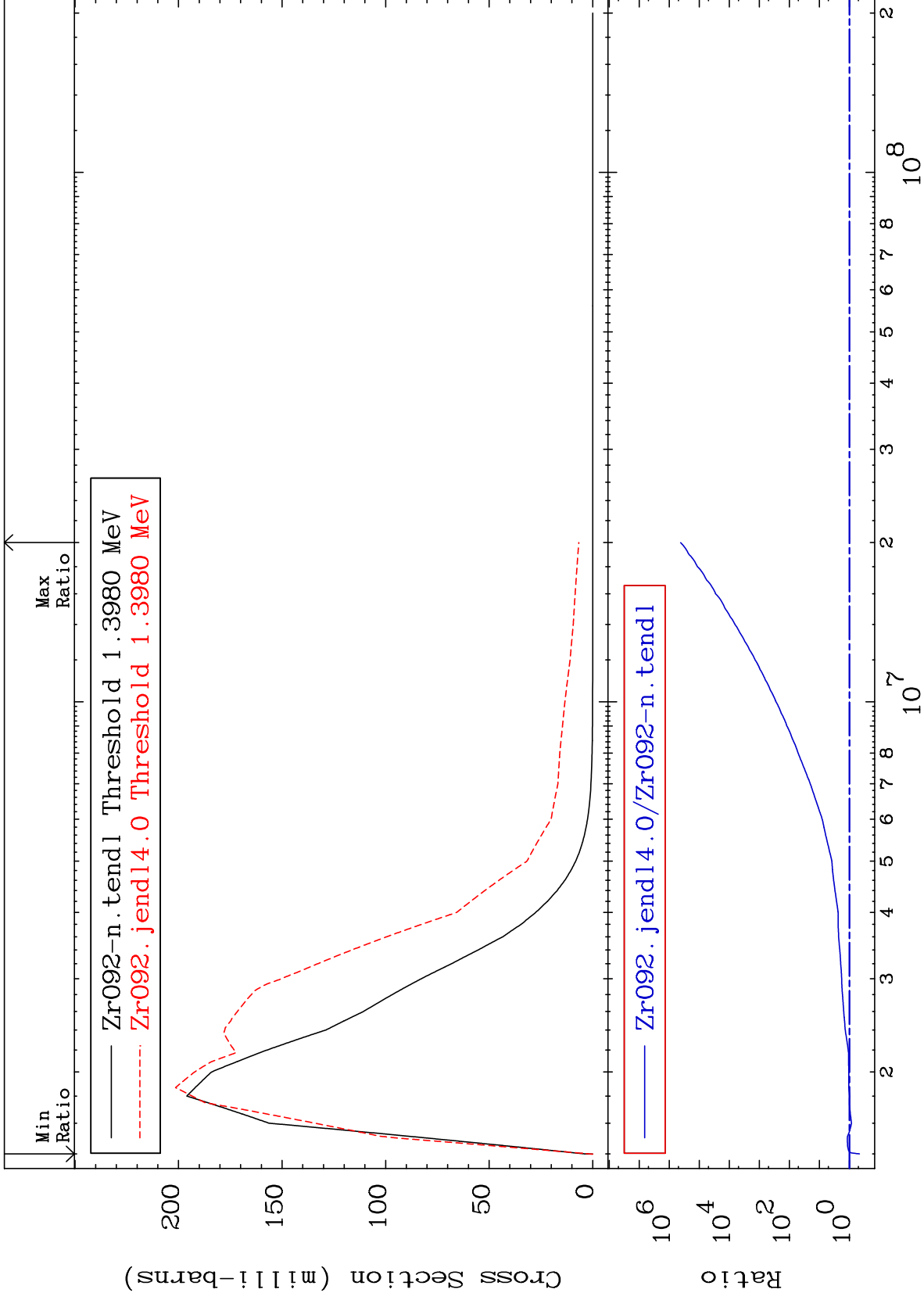
40-Zr-92
-21.56 To 38.14 %



MAT 4031

1.383 MeV (n,n') Level
Cross Section

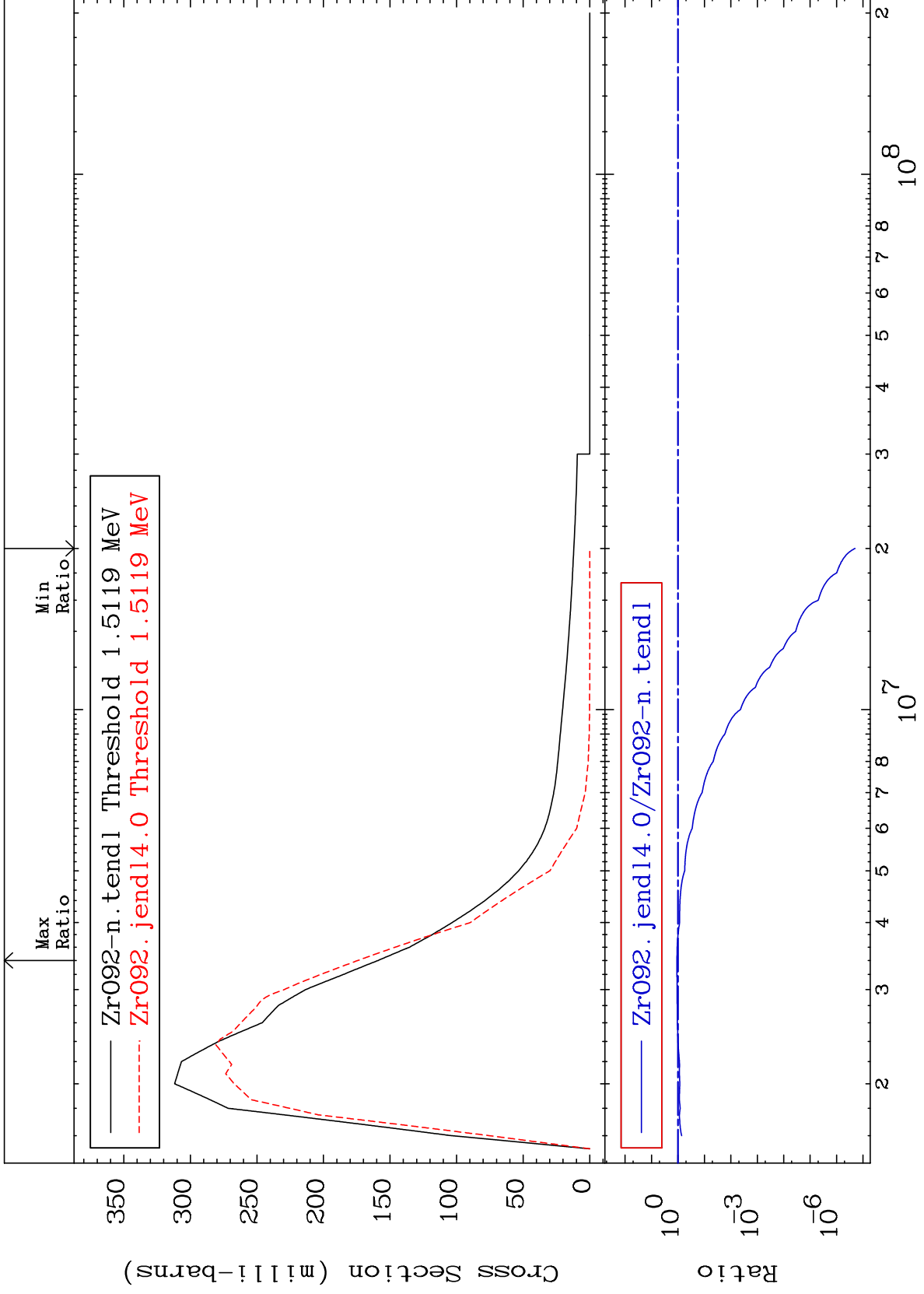
40-Zr-92
-53.56 To 9999. %



MAT 4031

1.495 MeV (n,n') Level
Cross Section

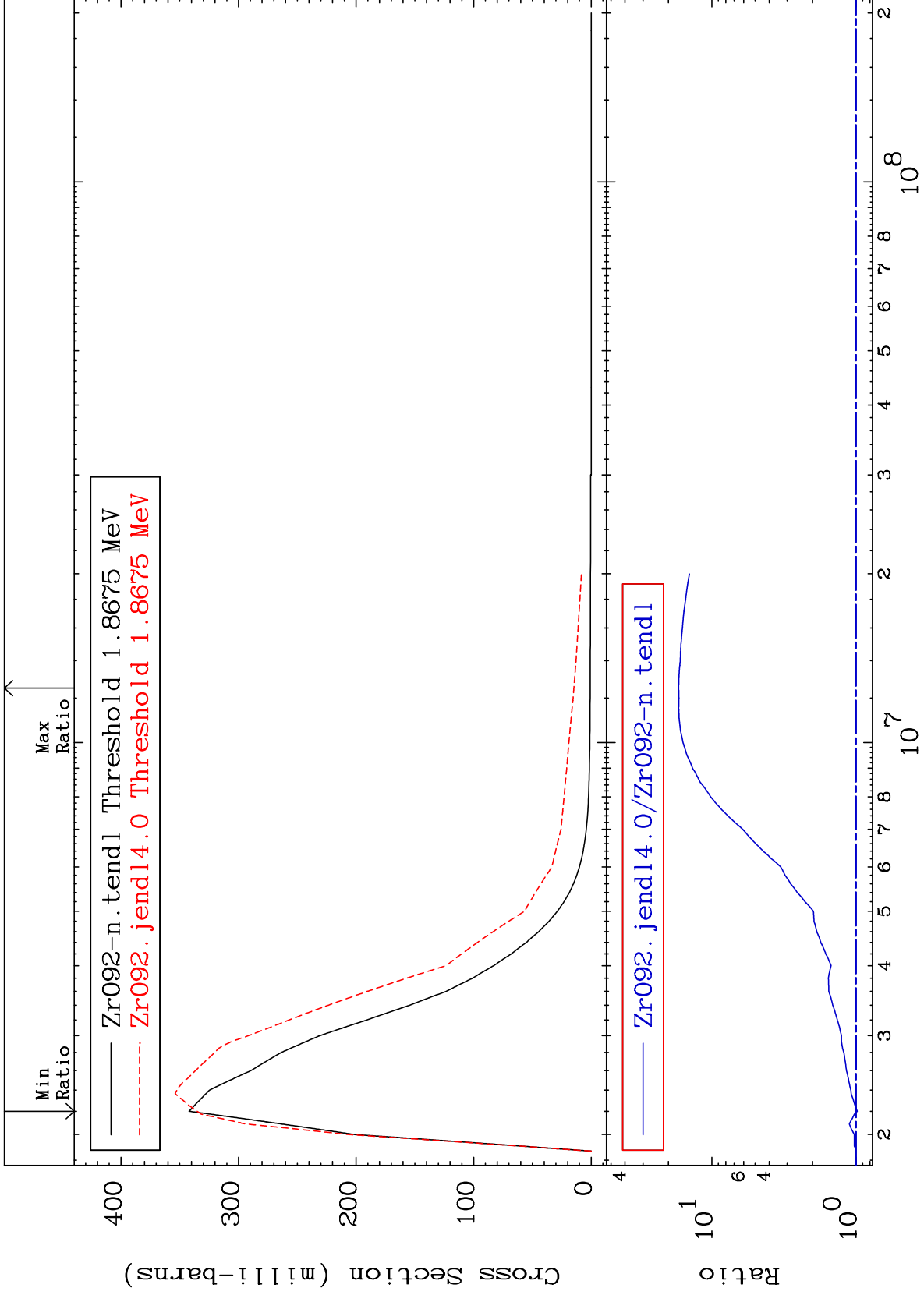
40-Zr-92
-100.0 To 9.574 %



MAT 4031

1.847 MeV (n,n') Level
Cross Section

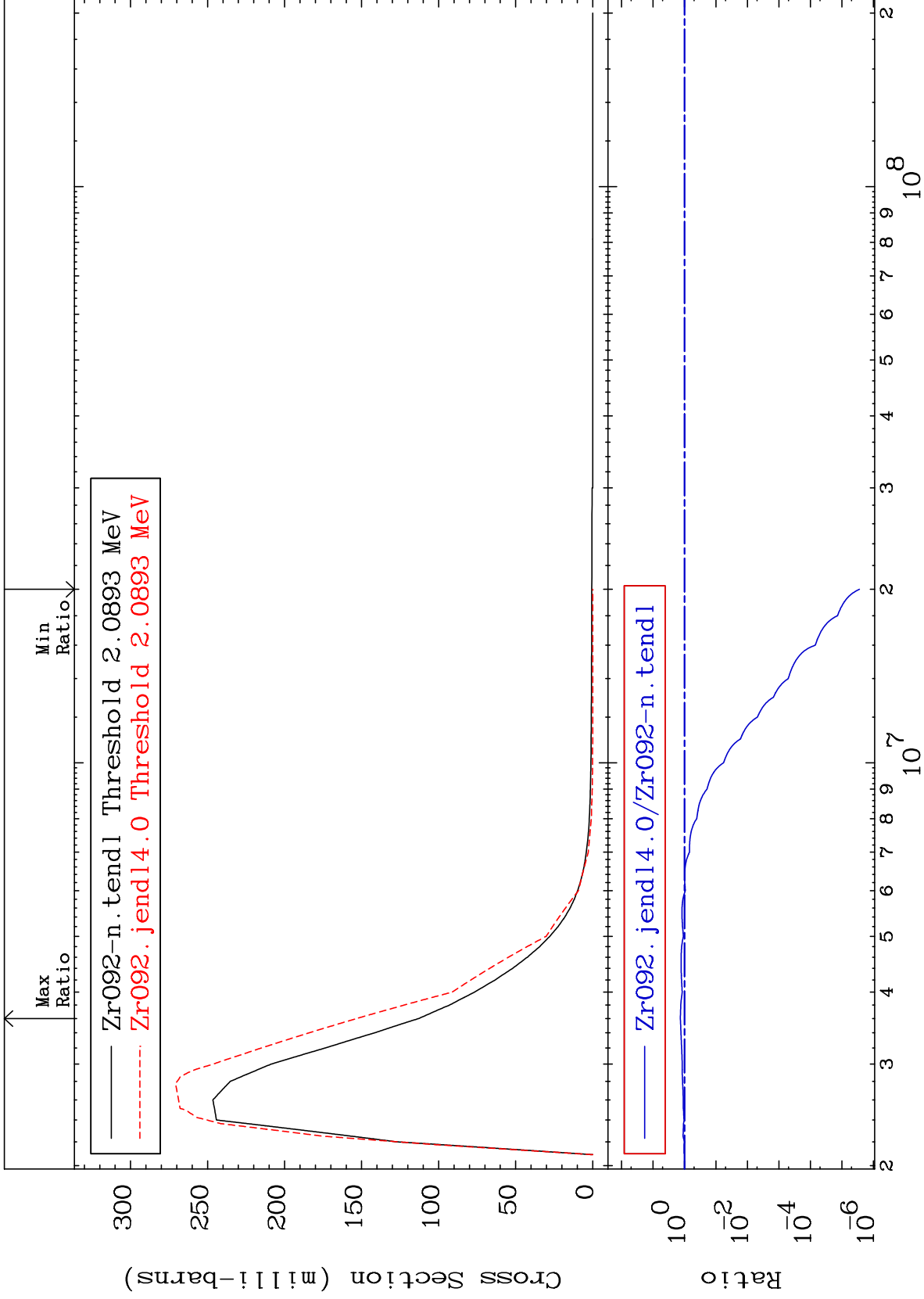
40-Zr-92
-2.004 To 1598. %



MAT 4031

2.067 MeV (n,n') Level
Cross Section

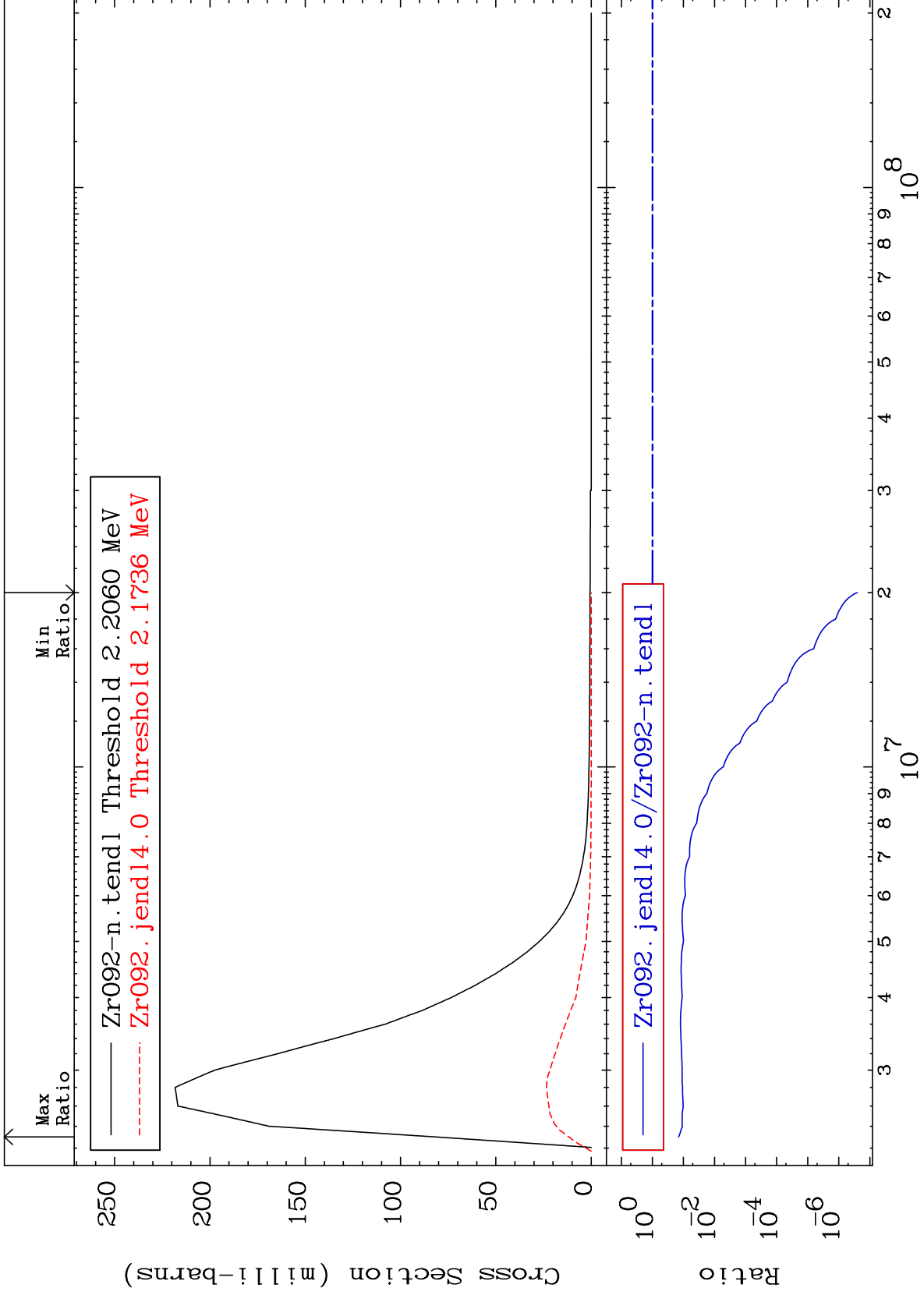
40-Zr-92
-100.0 To 35.53 %



MAT 4031

2.182 MeV (n,n') Level
Cross Section

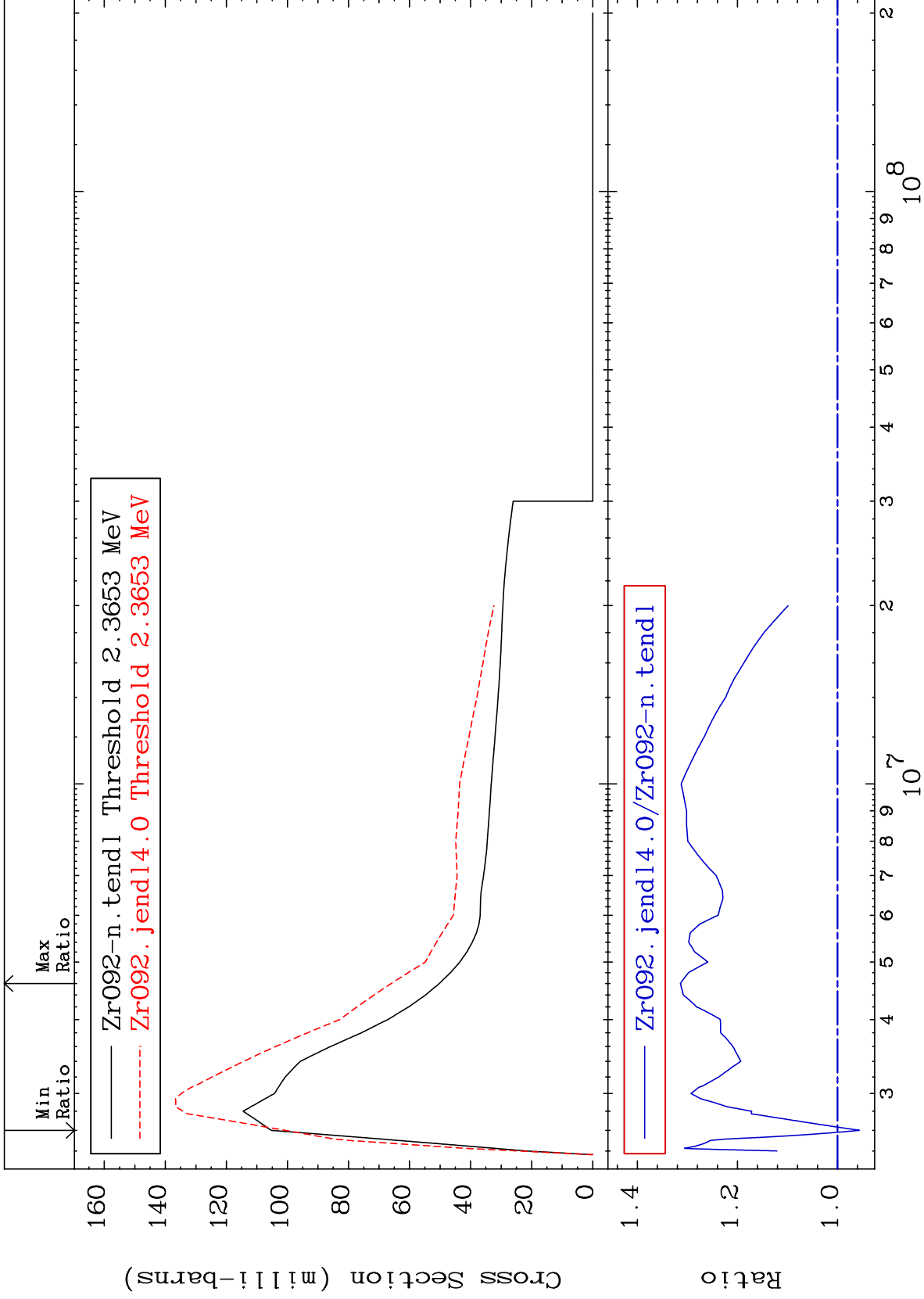
40-Zr-92
-100.0 To -85.72%



MAT 4031

2.340 MeV (n,n') Level
Cross Section

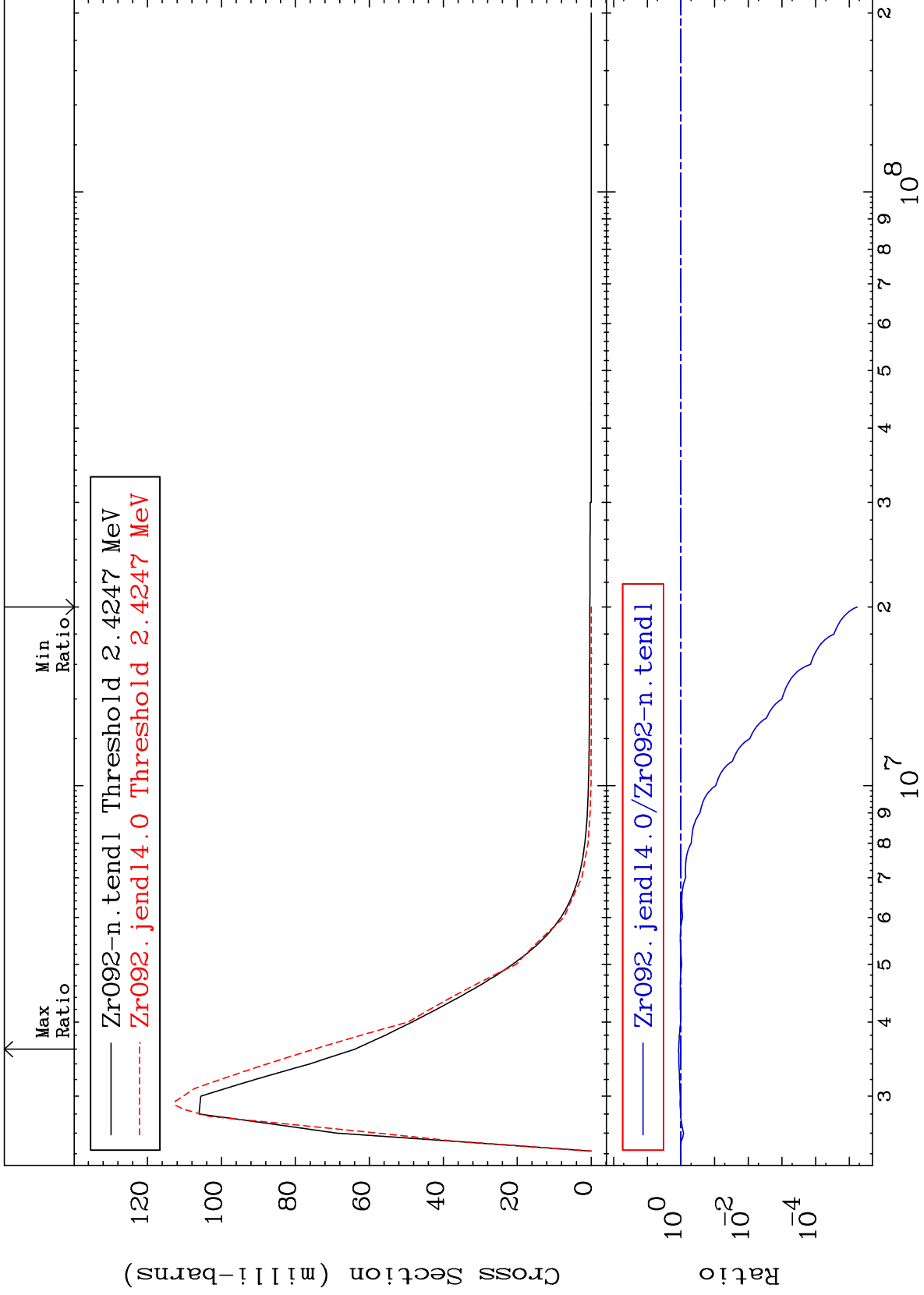
40-Zr-92
-4.365 To 31.41 %



MAT 4031

2.398 MeV (n,n') Level
Cross Section

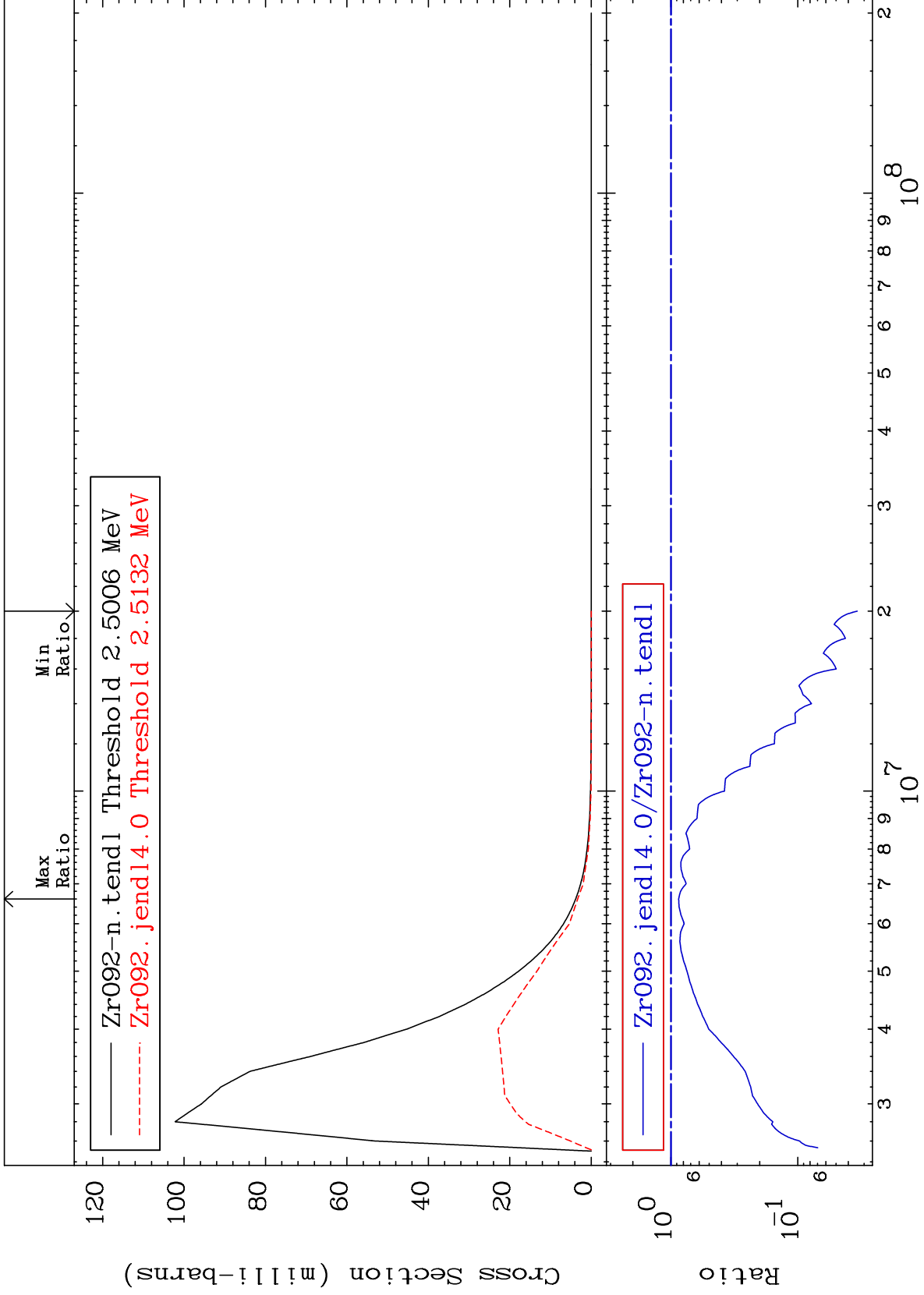
40-Zr-92
-100.0 To 17.28 %



MAT 4031

2.473 MeV (n,n') Level
Cross Section

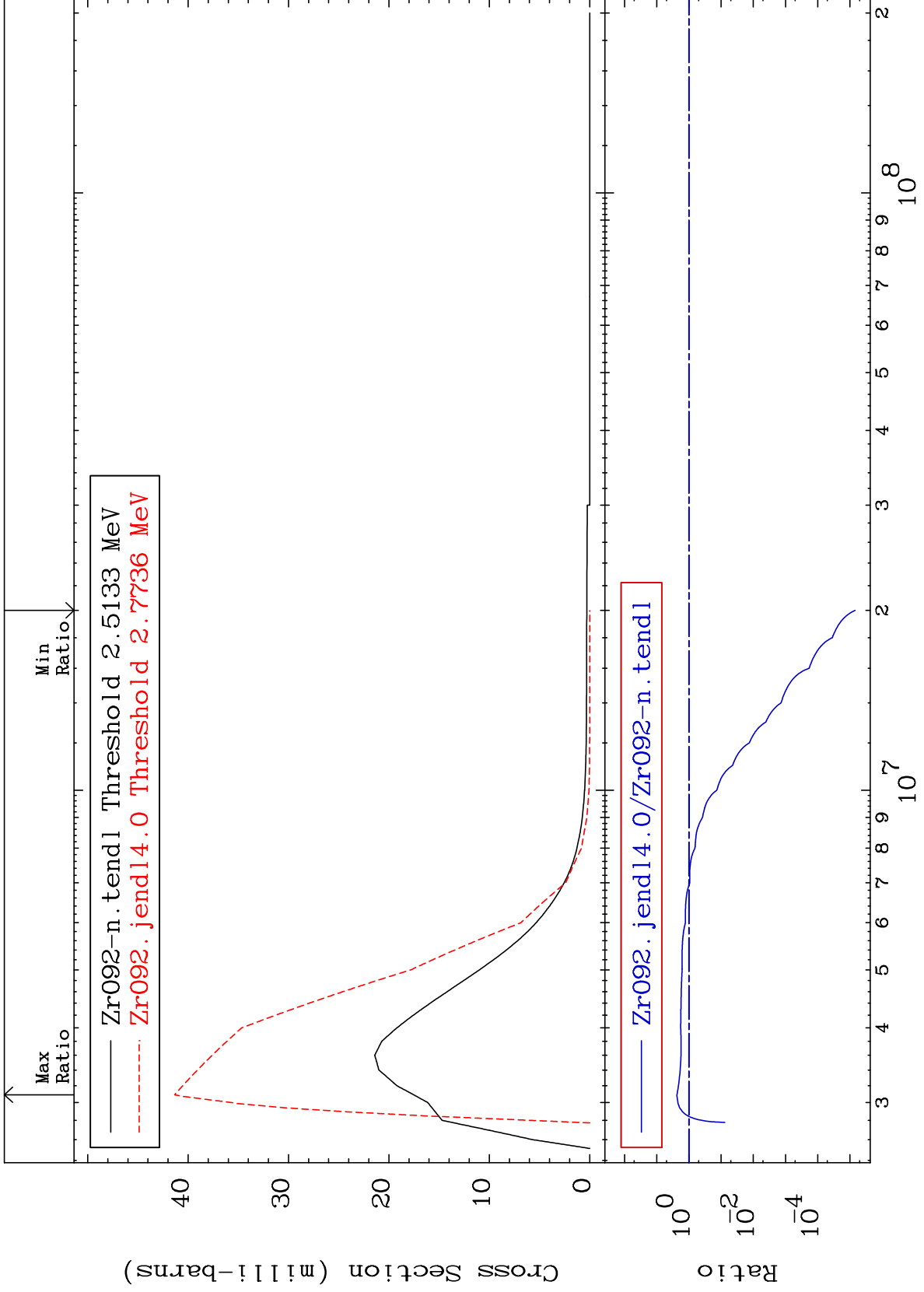
40-Zr-92
-96.60 To -12.95%



MAT 4031

2.486 MeV (n,n') Level
Cross Section

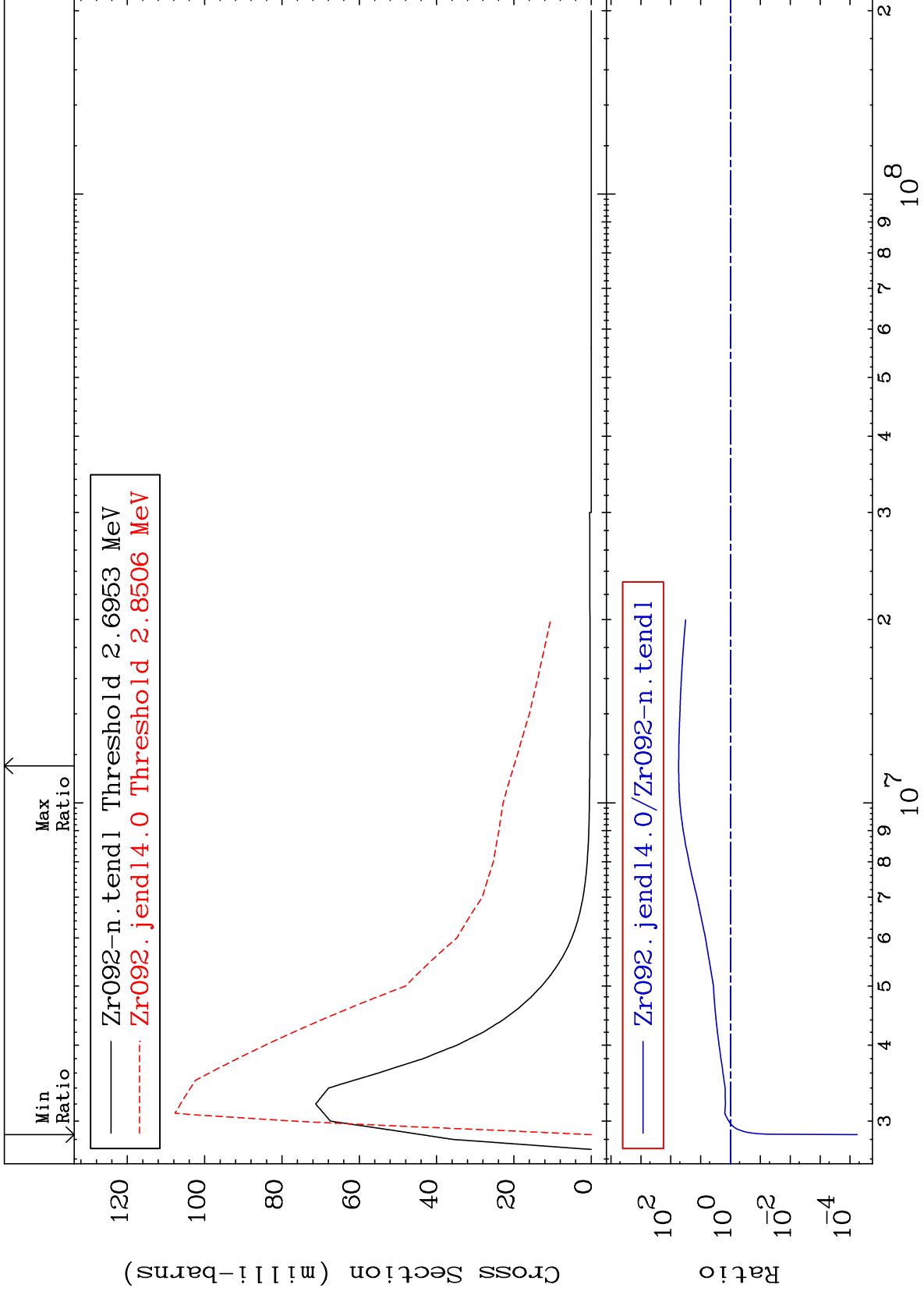
40-Zr-92
-100.0 To 135.8 %



MAT 4031

2.666 MeV (n,n') Level
Cross Section

40-Zr-92
-99.99 To 5363. %



20

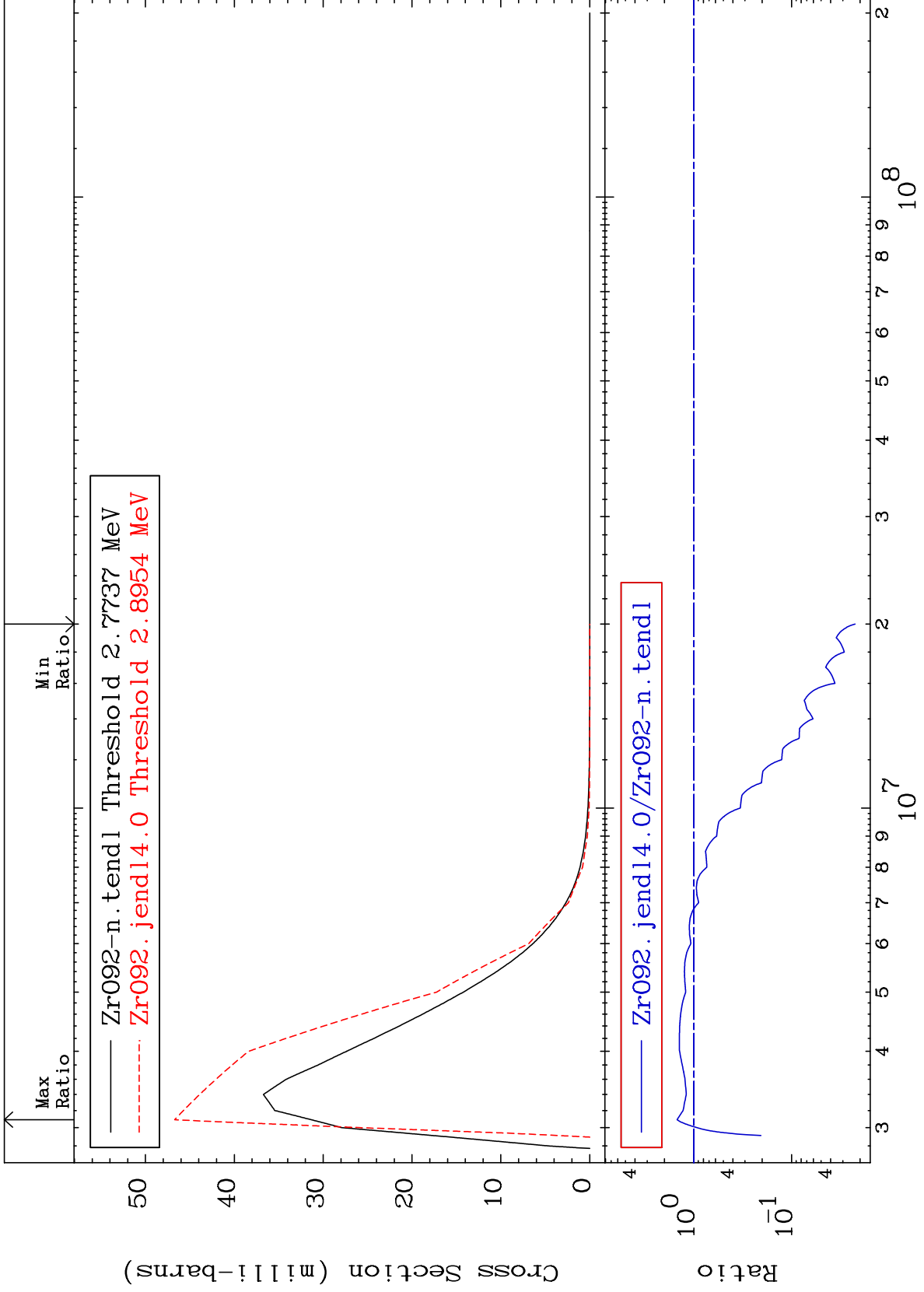
Incident Energy (eV)

40-Zr-92

MAT 4031

2.744 MeV (n,n') Level
Cross Section

40-Zr-92
-97.75 To 48.99 %

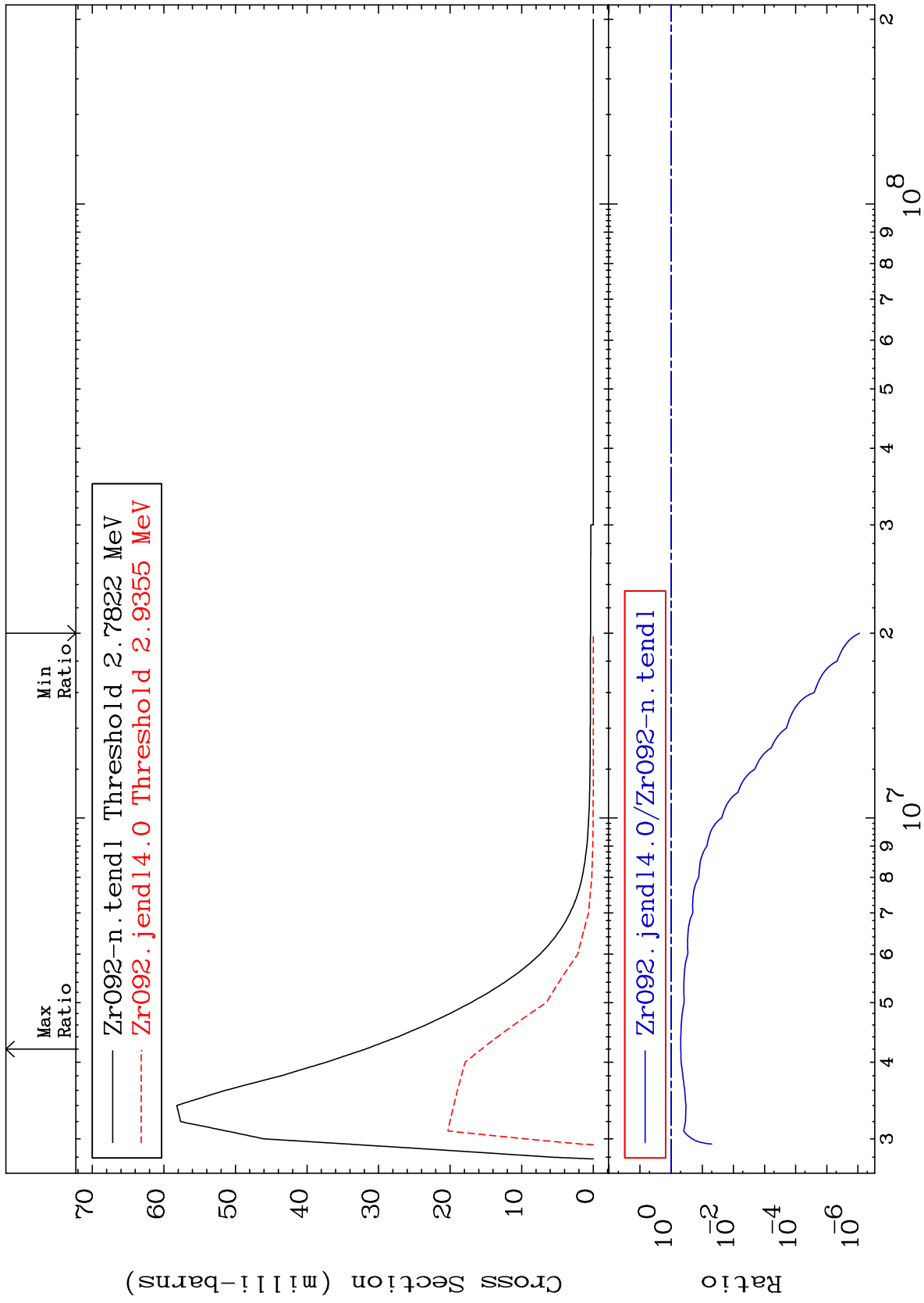


21

Incident Energy (eV)

40-Zr-92

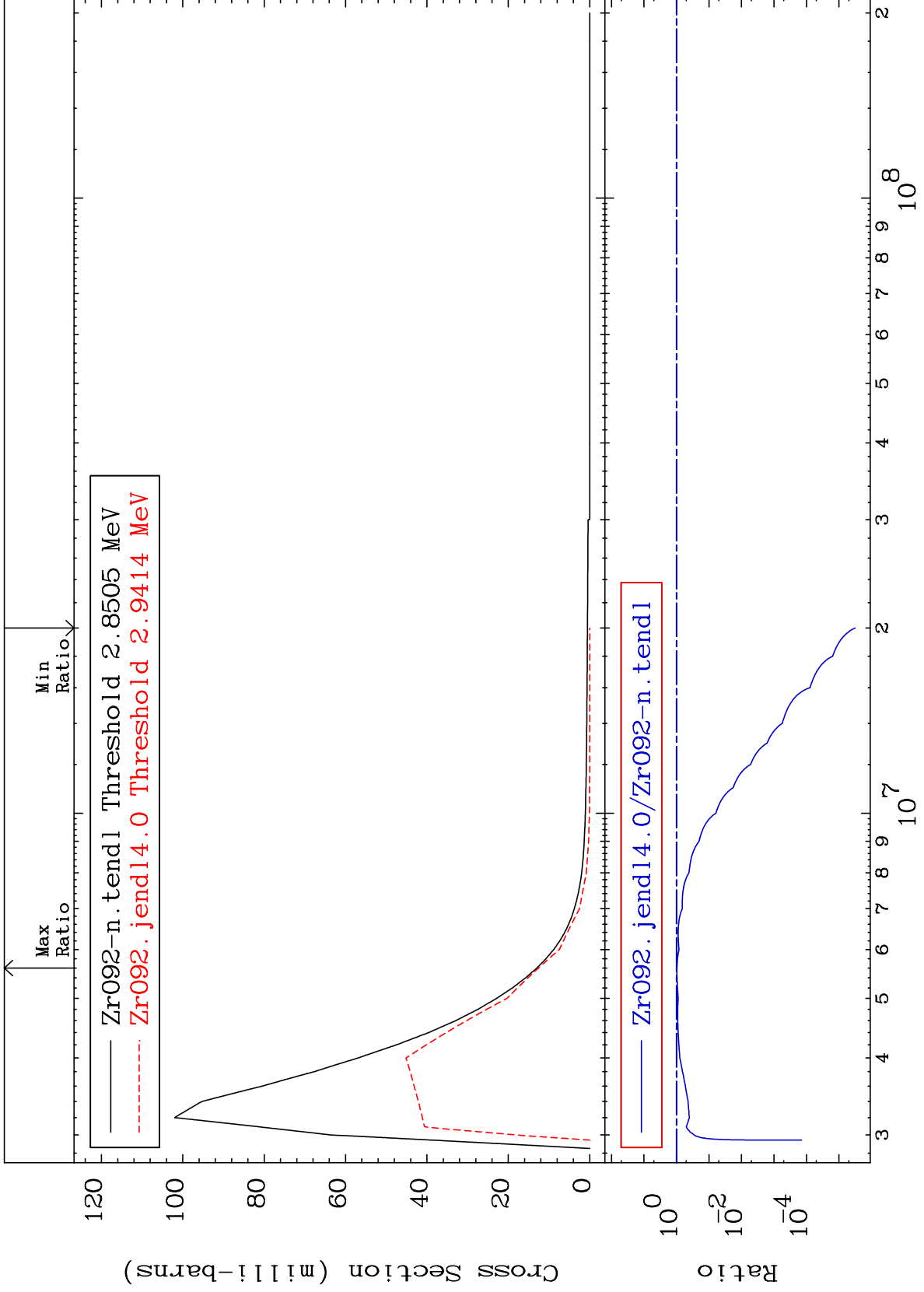
MAT 4031 2.752 MeV (n,n') Level 40-Zr-92
 Cross Section -100.0 To -50.92%



MAT 4031

2.820 MeV (n,n') Level
Cross Section

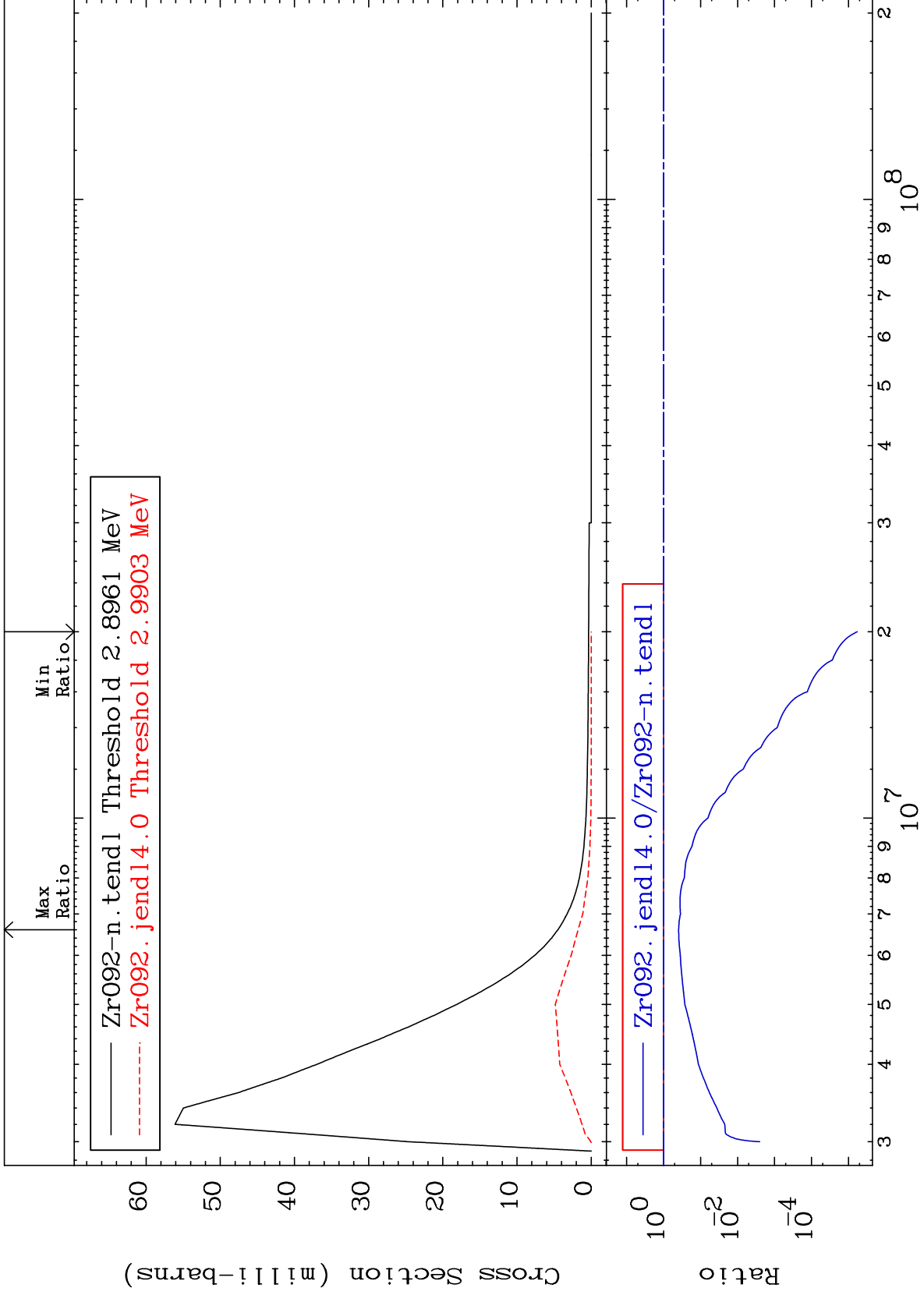
40-Zr-92
-100.0 To -3.061%



MAT 4031

2.865 MeV (n,n') Level
Cross Section

40-Zr-92
-100.0 To -60.79%



24

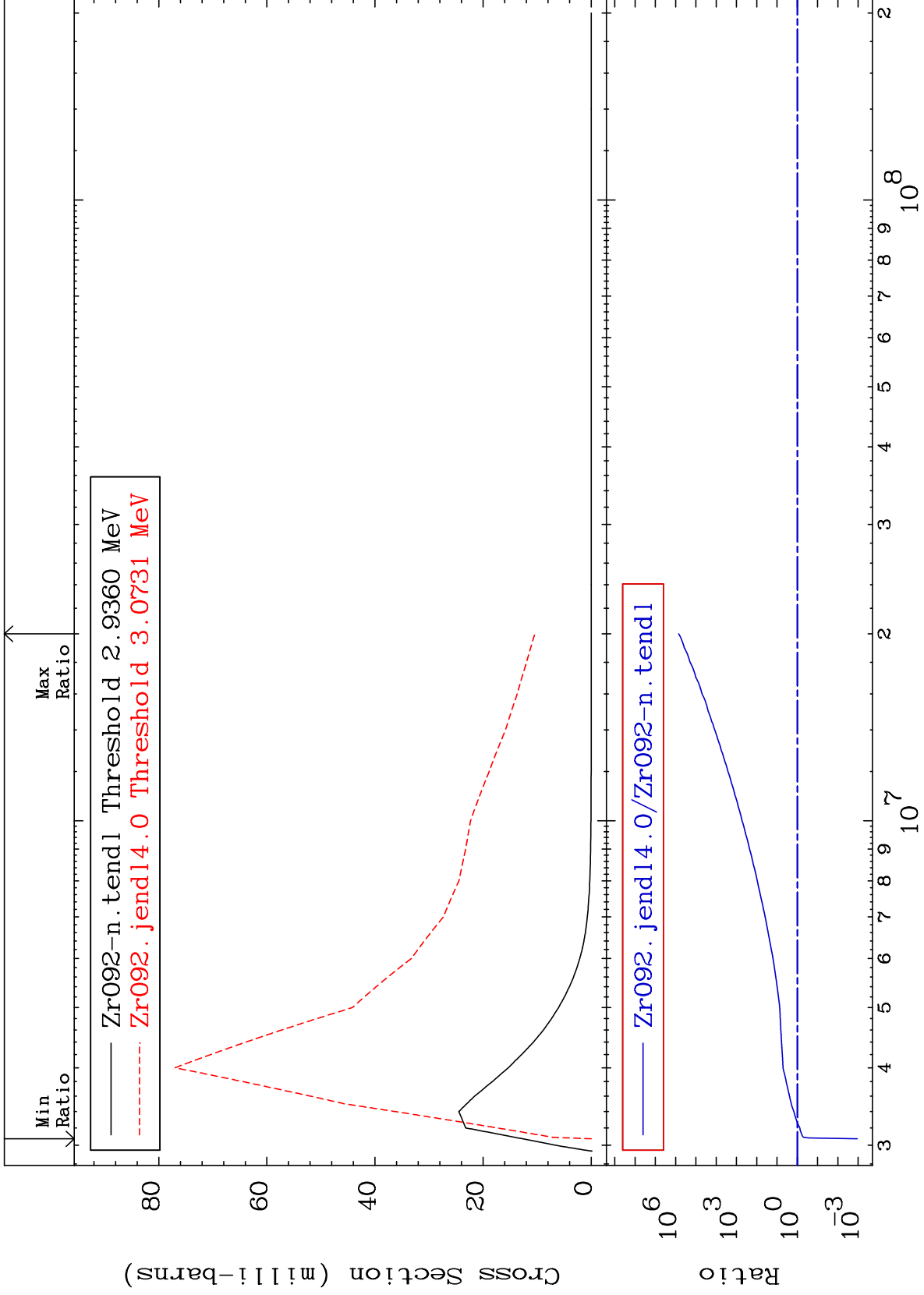
Incident Energy (eV)

40-Zr-92

MAT 4031

2.904 MeV (n,n') Level
Cross Section

40-Zr-92
-99.89 To 9999. %



25

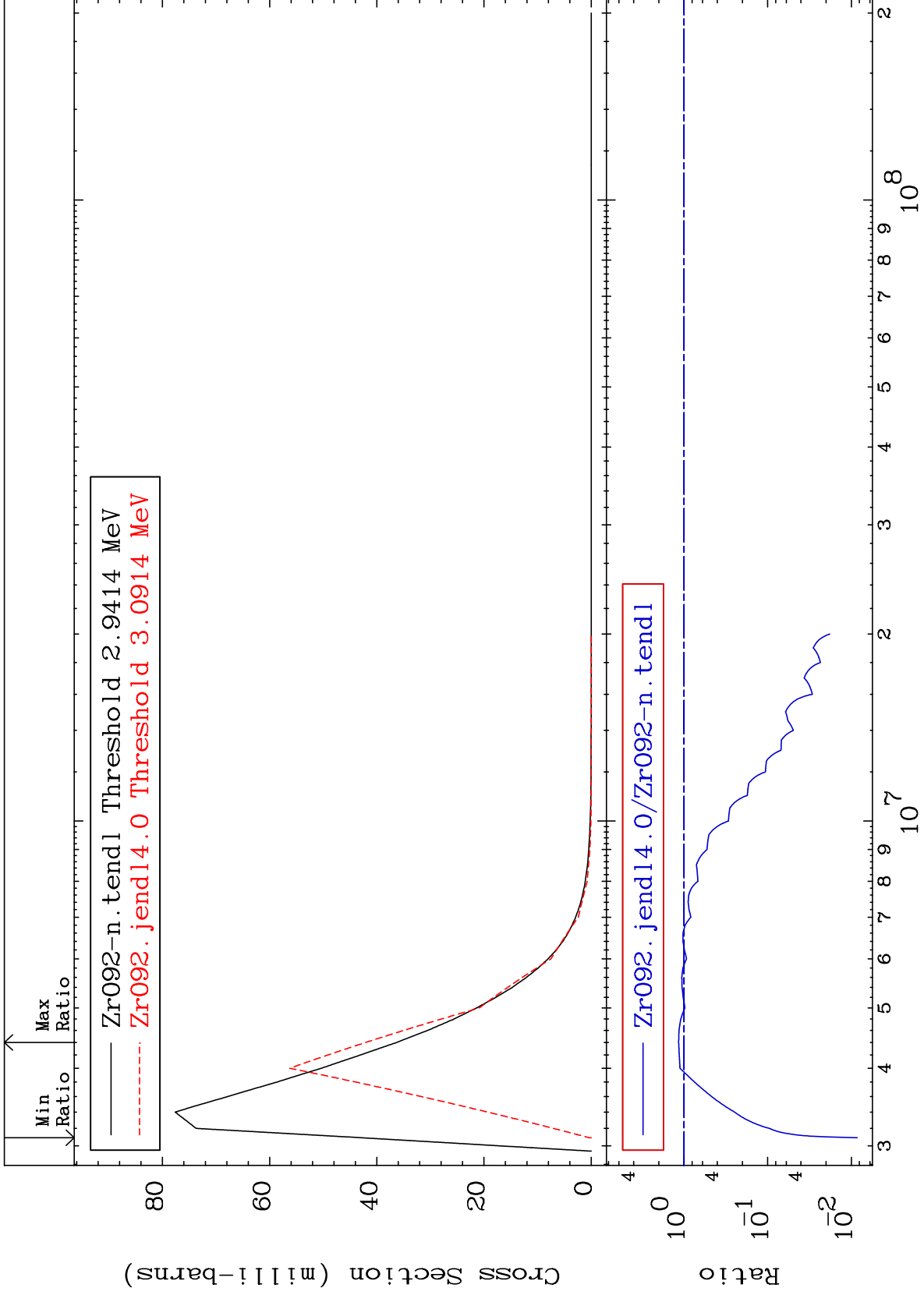
Incident Energy (eV)

40-Zr-92

MAT 4031

2.909 MeV (n,n') Level
Cross Section

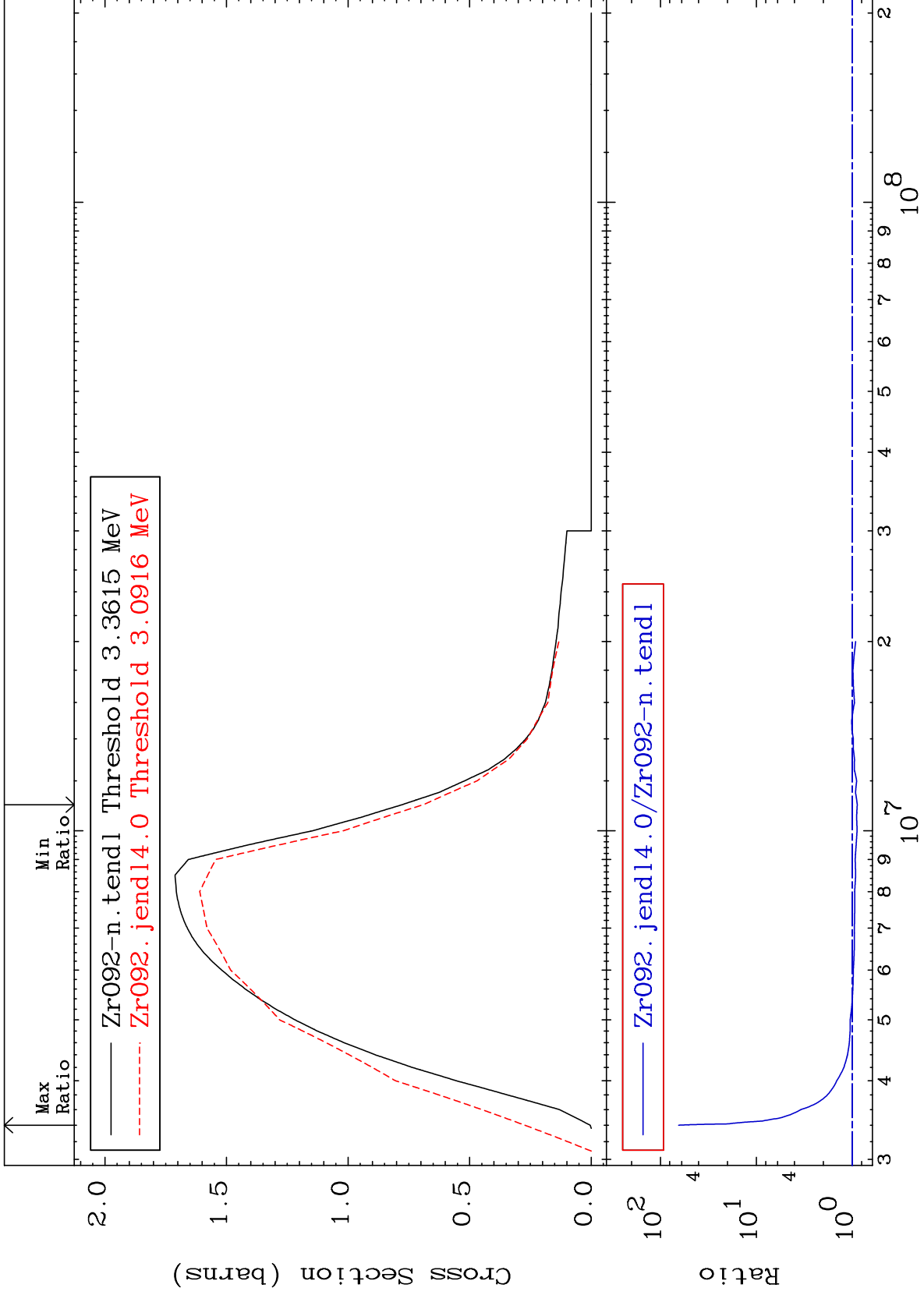
40-Zr-92
-99.15 To 15.96 %



MAT 4031

(n,n') Continuum
Cross Section

40-Zr-92
-11.31 To 6360. %

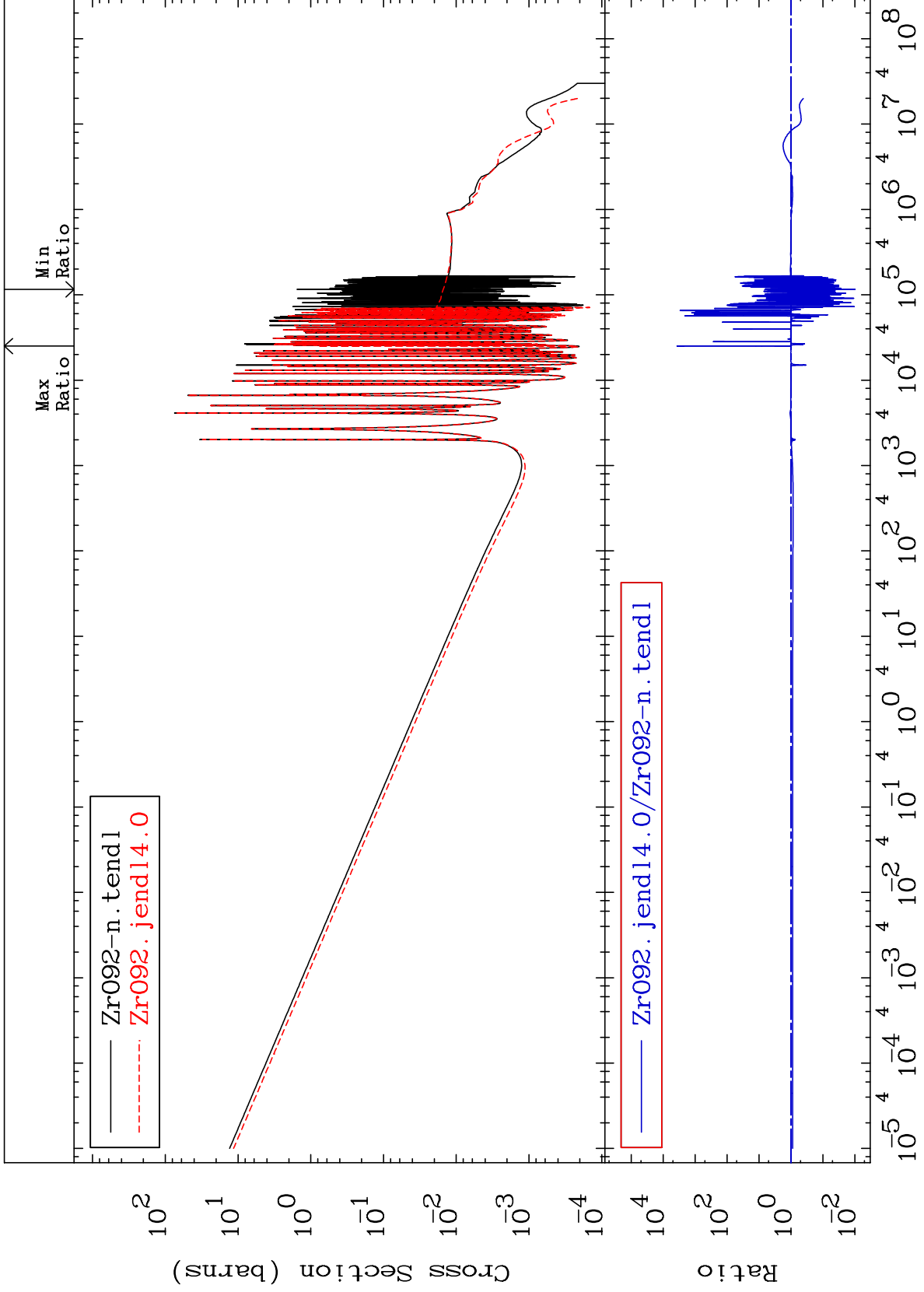


MAT 4031

(n, γ)

Cross Section

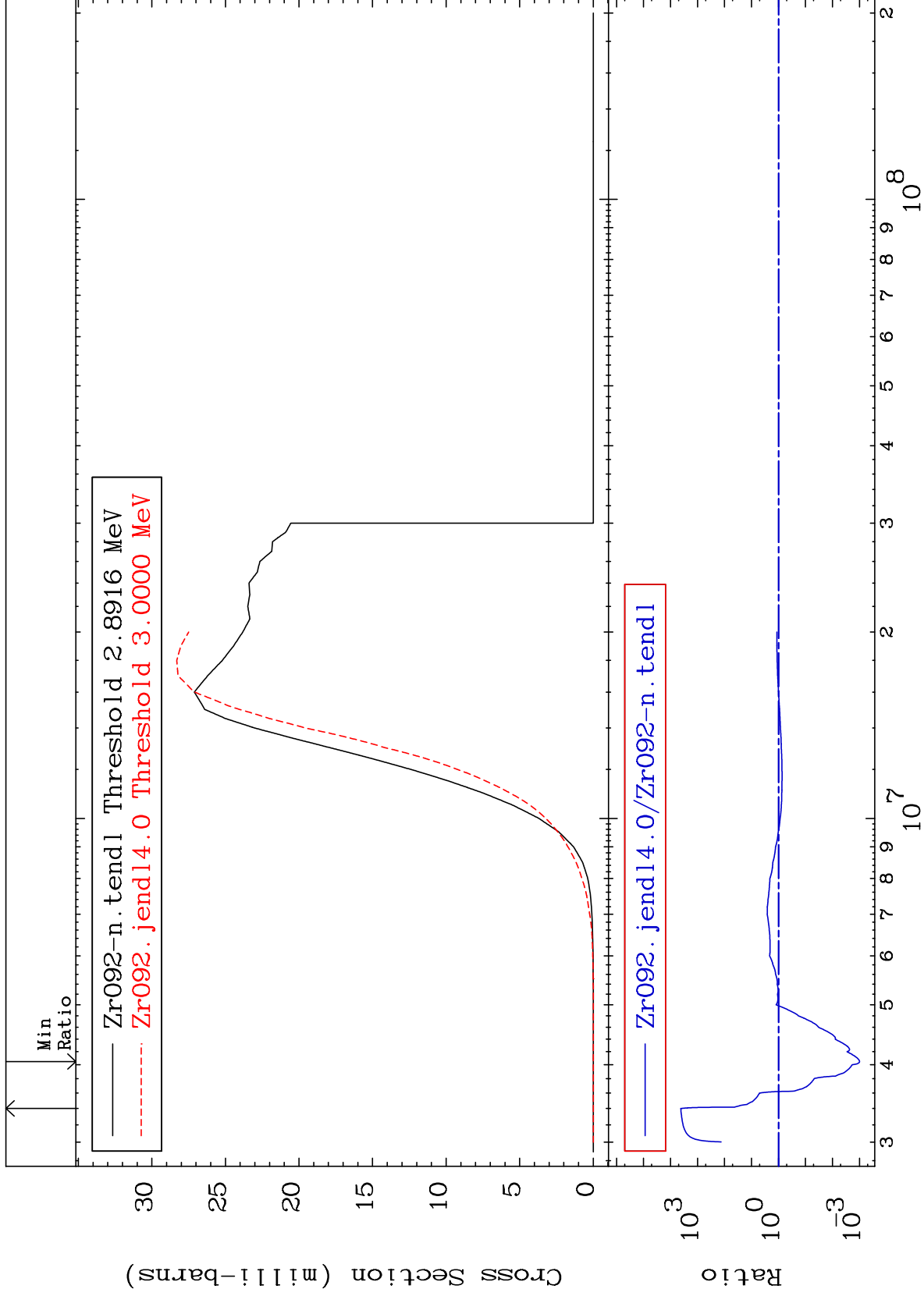
40-Zr-92
-99.02 To 9999. %



MAT 4031

(n,p)
Cross Section

40-Zr-92
-99.90 To 9999. %



29

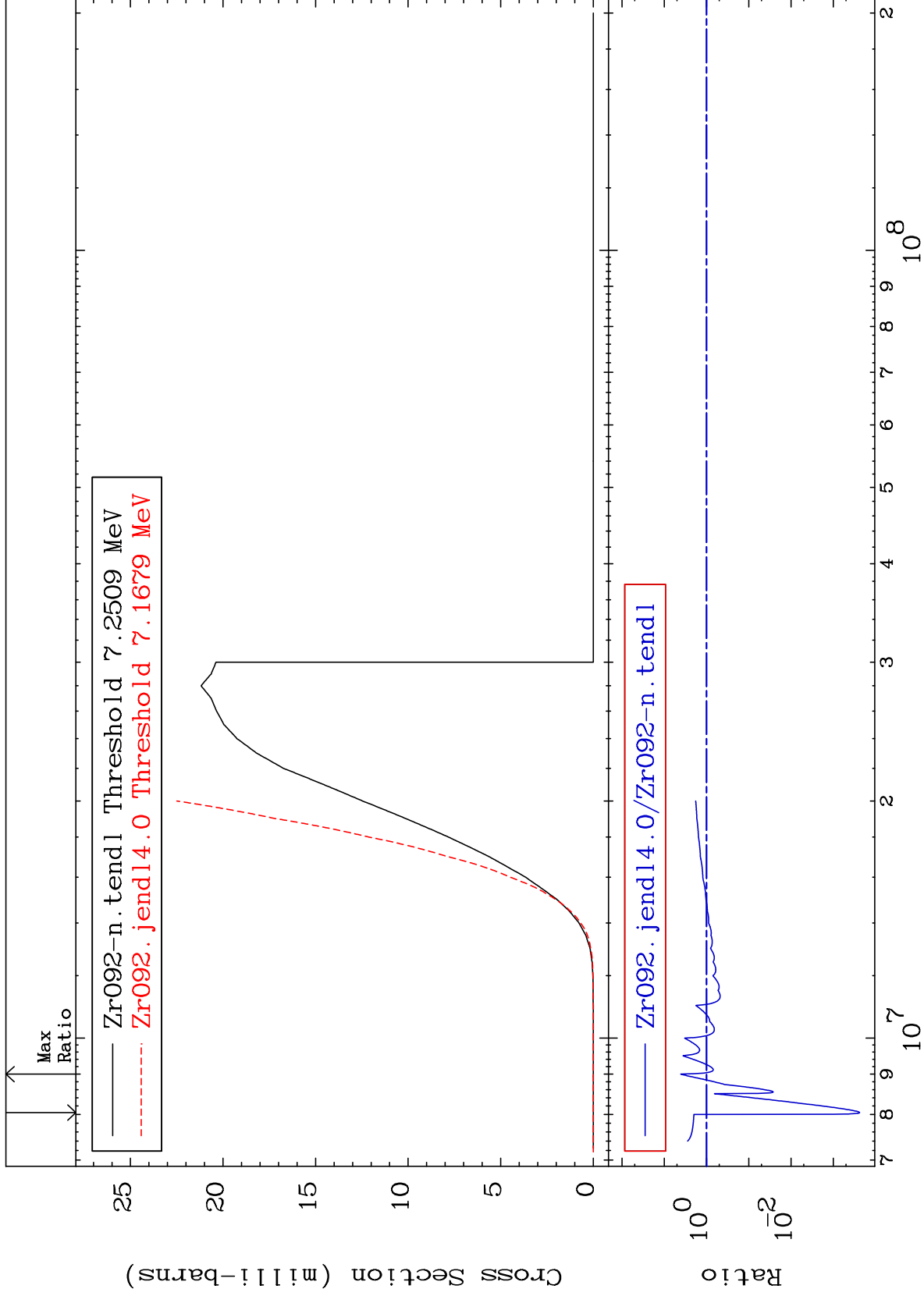
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, d)
Cross Section

40-Zr-92
-99.98 To 307.3 %



30

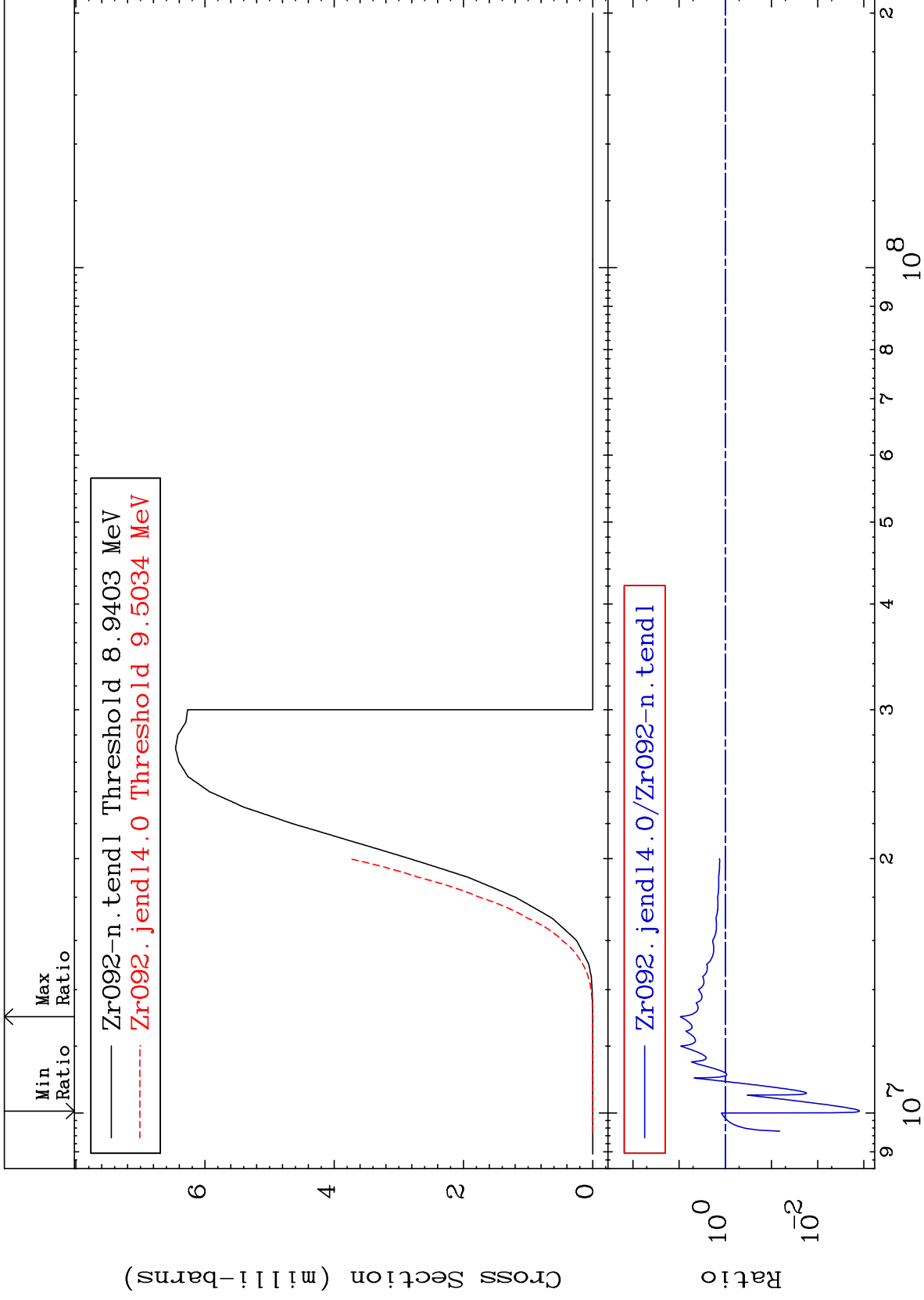
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, t)
Cross Section

40-Zr-92
-99.88 To 838.7 %



31

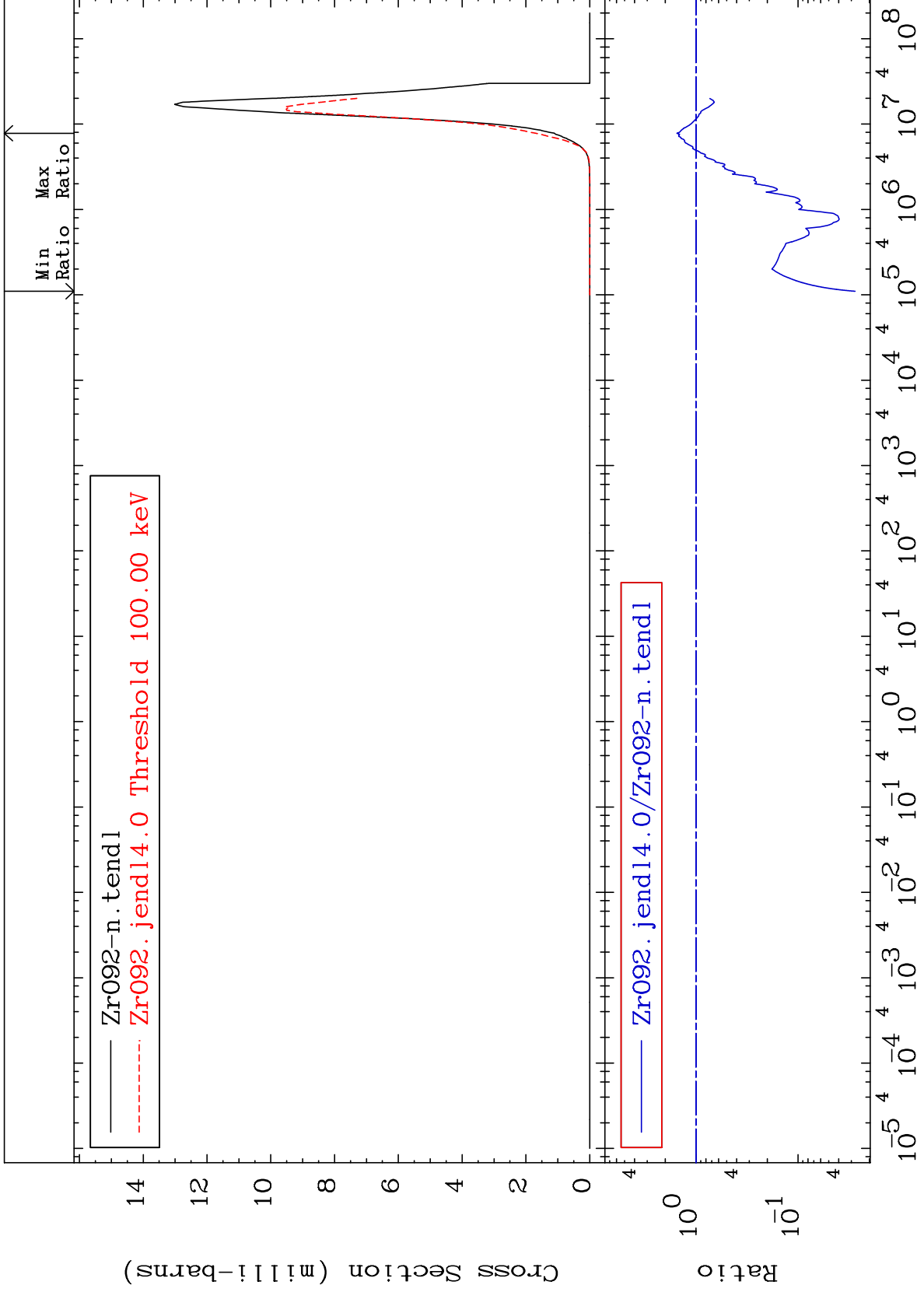
40-Zr-92

40-Zr-92

MAT 4031

(n, α)
Cross Section

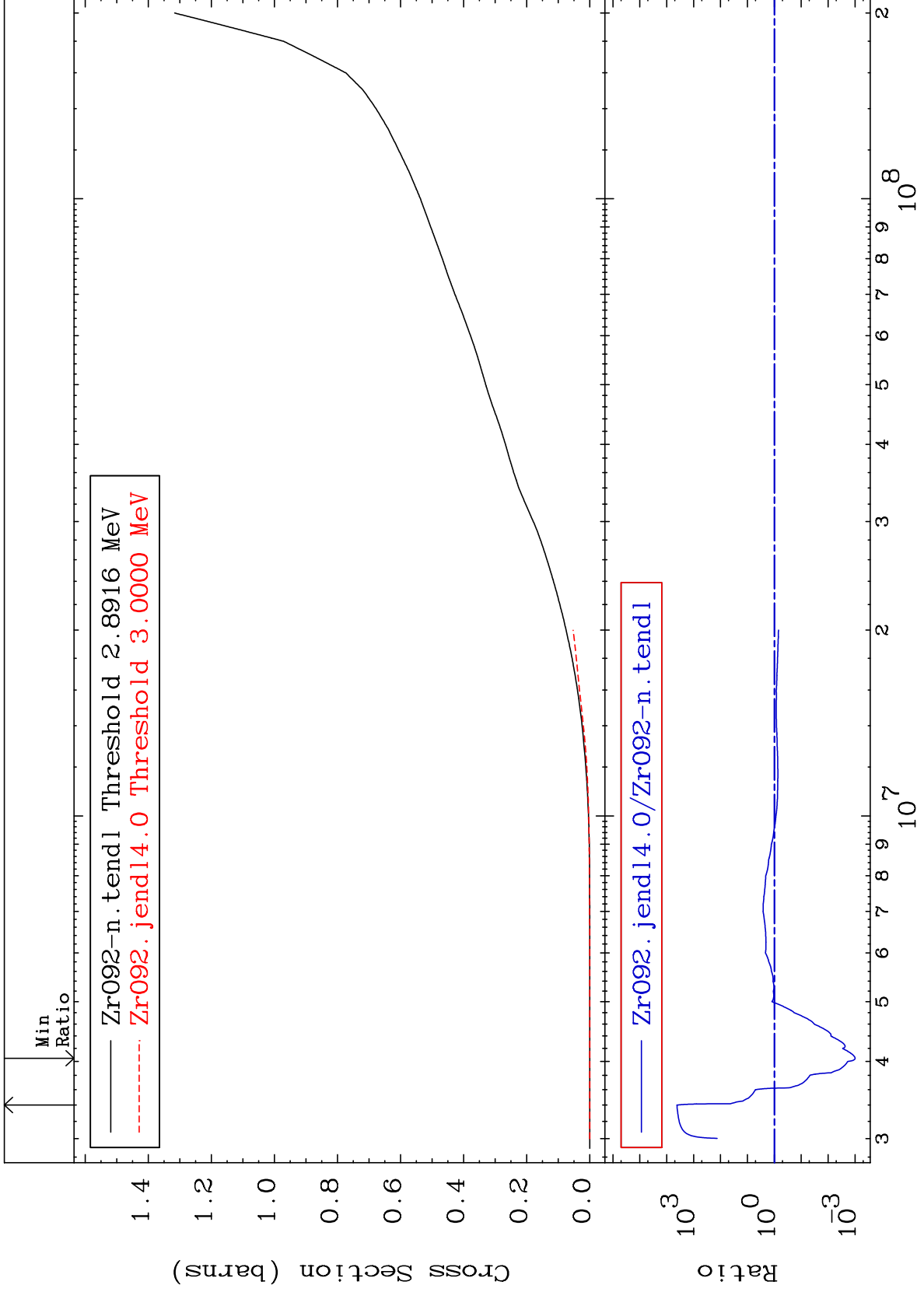
40-Zr-92
-97.24 To 53.73 %



MAT 4031

Hydrogen Production
Cross Section

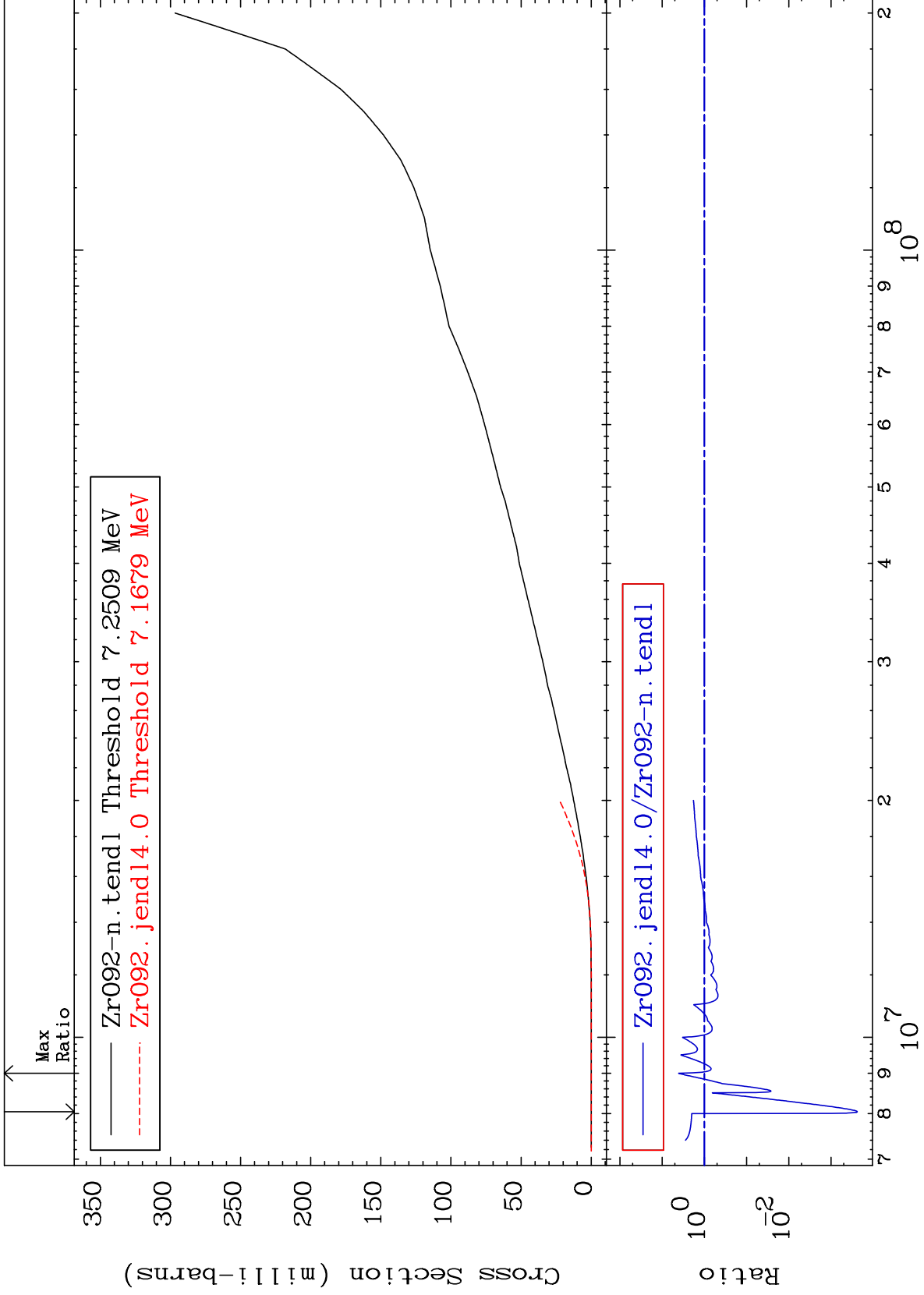
40-Zr-92
-99.90 To 9999. %



MAT 4031

Deuterium Production
Cross Section

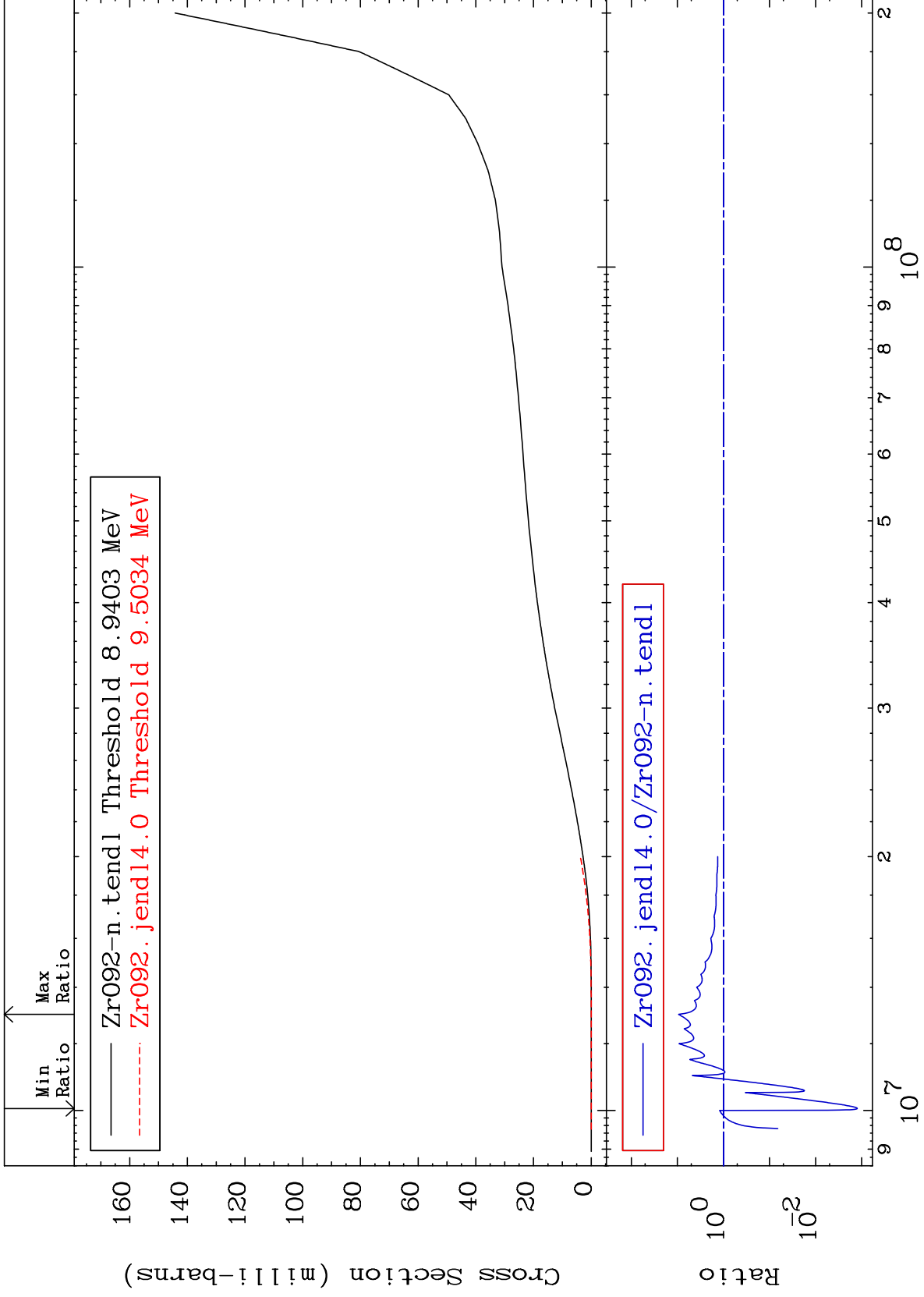
40-Zr-92
-99.98 To 307.3 %



MAT 4031

Tritium Production
Cross Section

40-Zr-92
-99.88 To 838.7 %



35

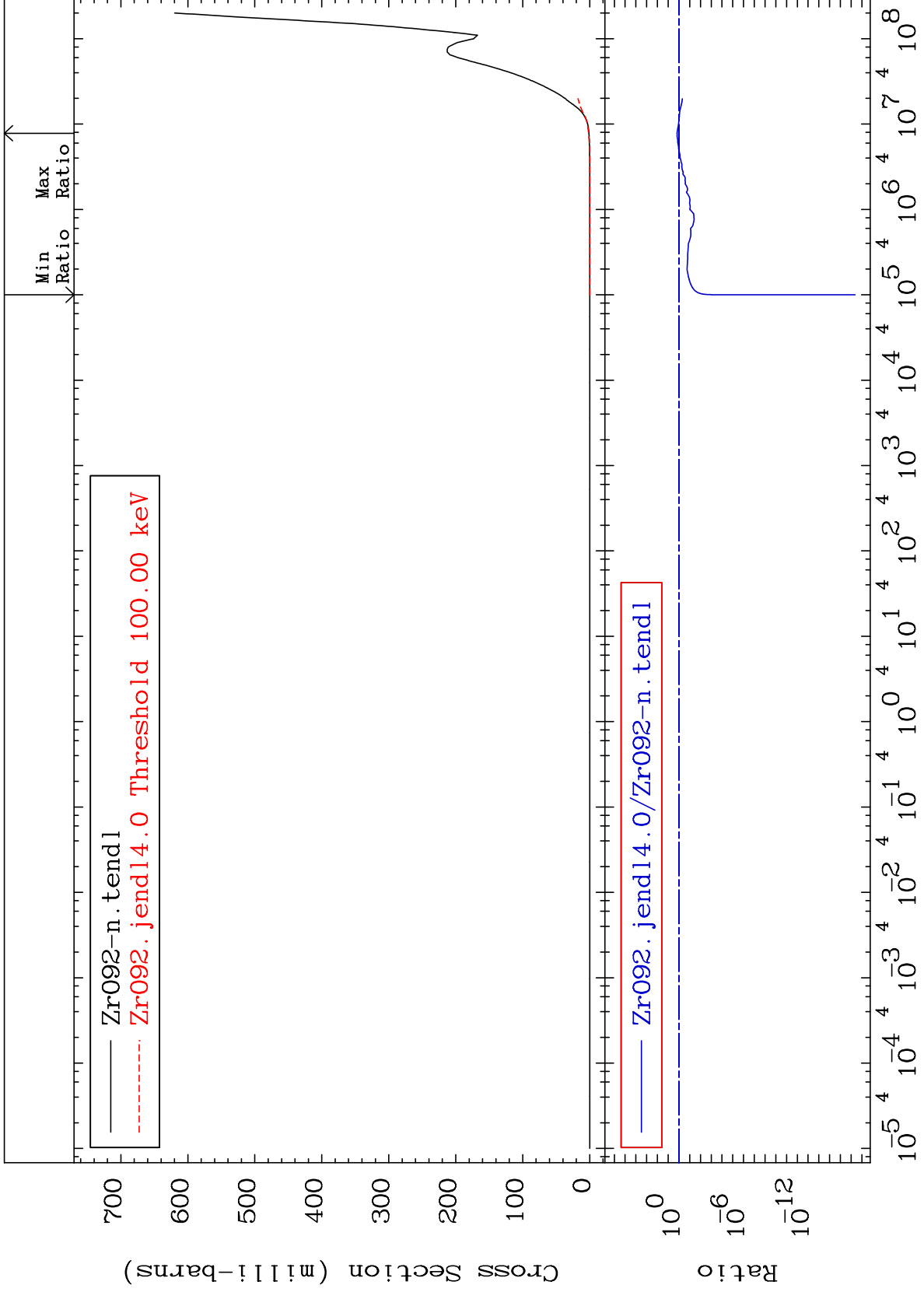
Incident Energy (eV)

40-Zr-92

MAT 4031

He-4 Production
Cross Section

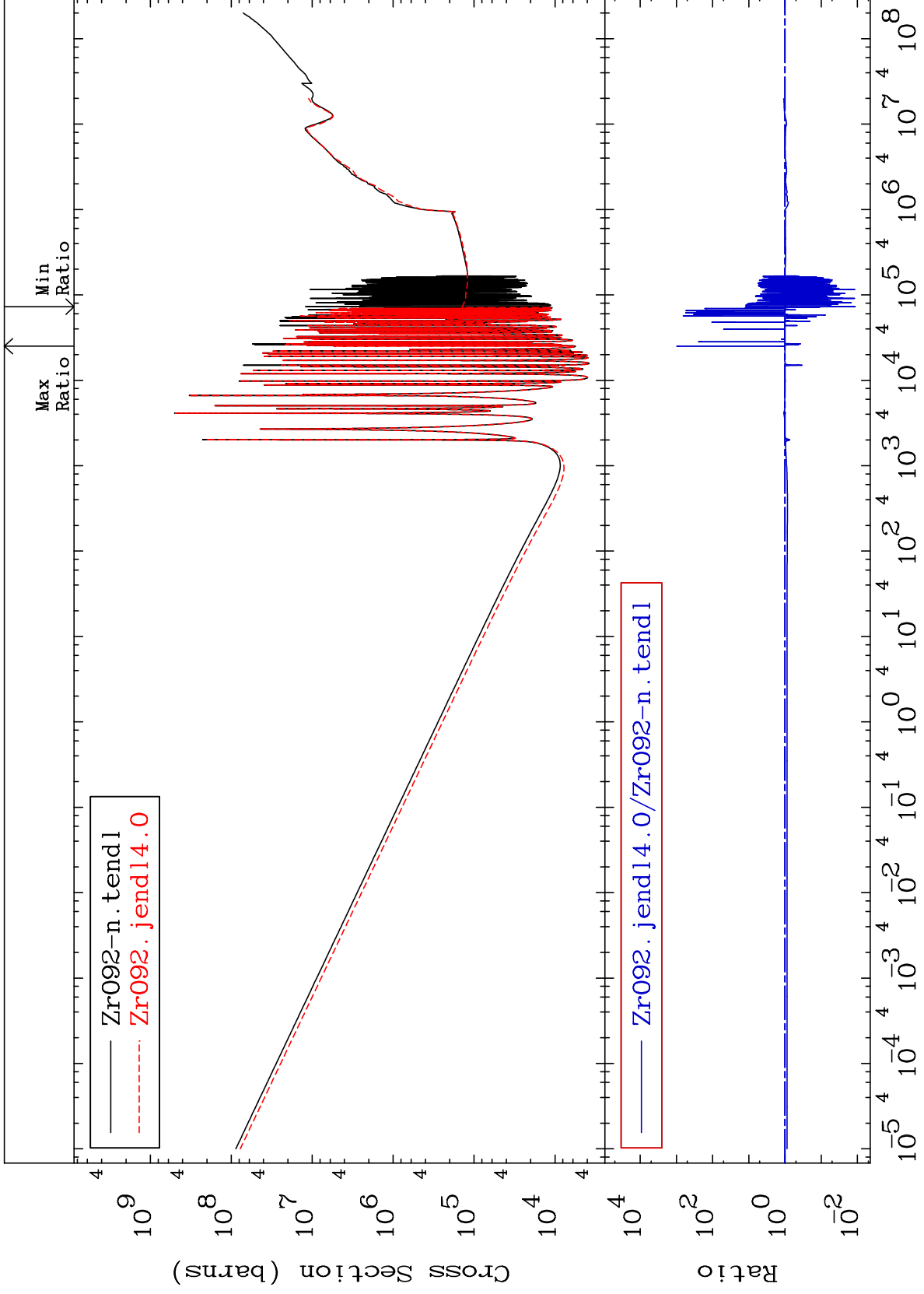
40-Zr-92
-100.0 To 53.55 %



MAT 4031

Kerma total (eV-barns)
Cross Section

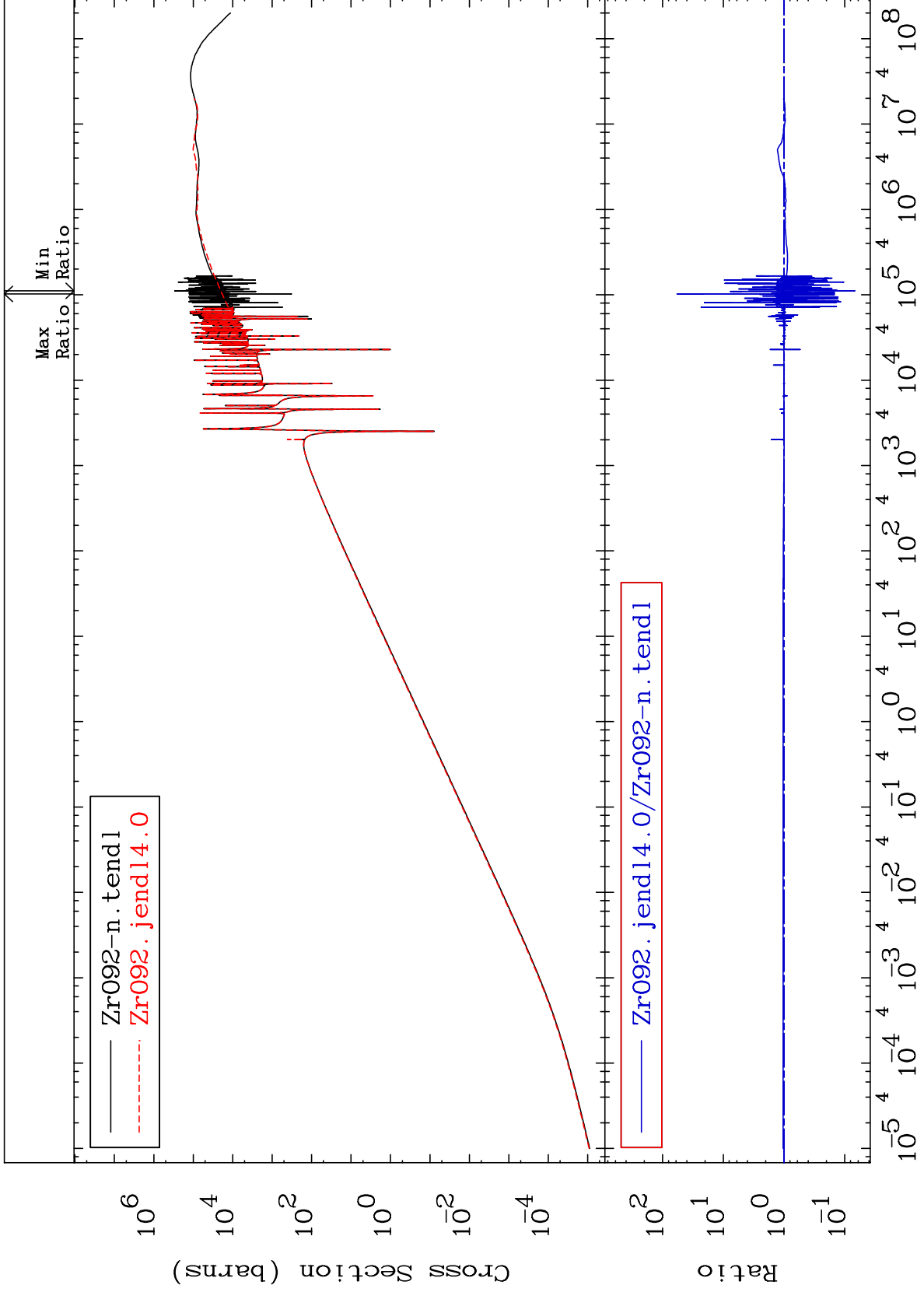
40-Zr-92
-98.84 To 9999. %

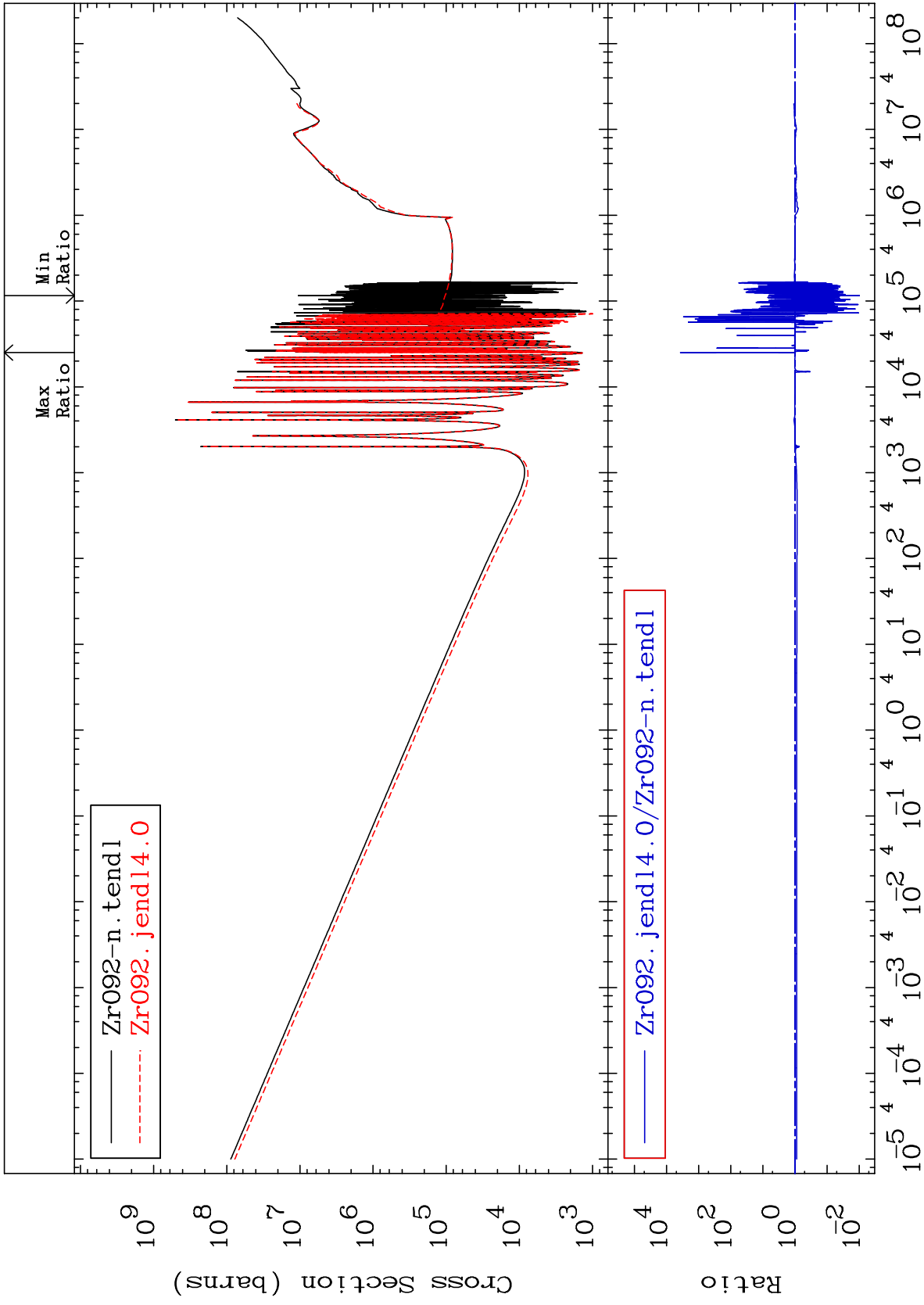


MAT 4031

Kerma elastic
Cross Section

40-Zr-92
-93.25 To 5714. %

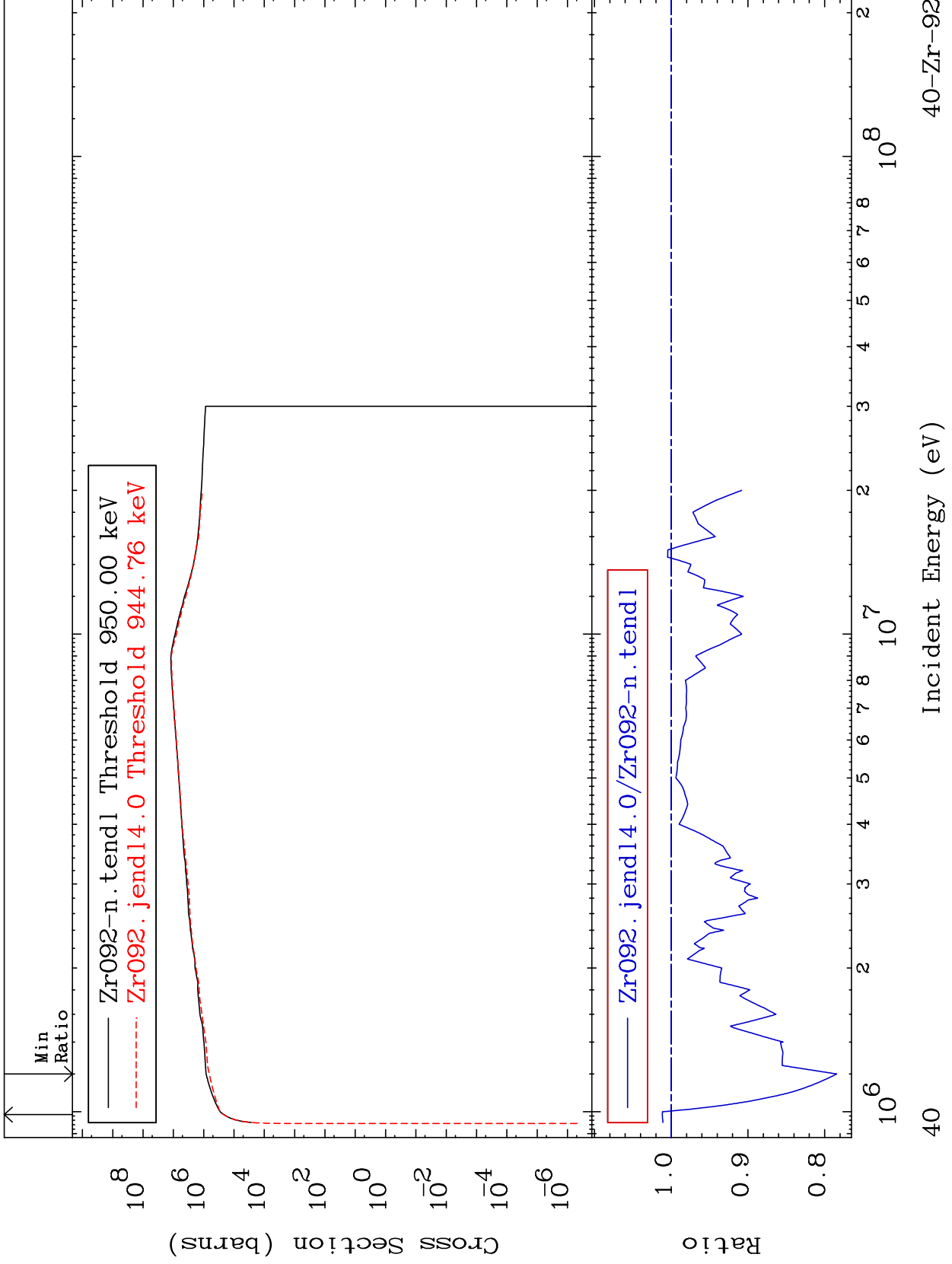




MAT 4031

Kerma inelastic (mt51-91)
Cross Section

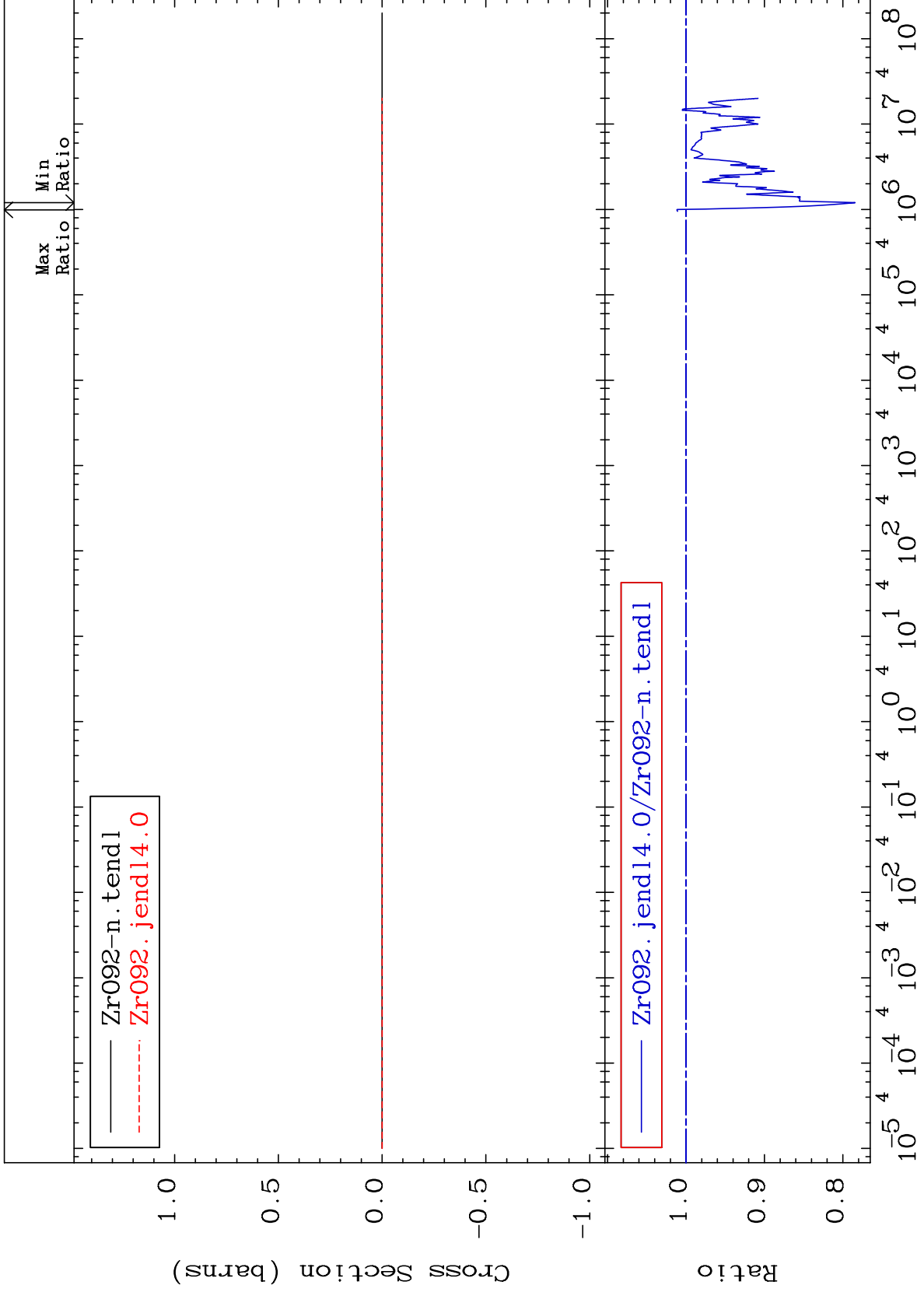
40-Zr-92
-21.56 To 1.161 %



MAT 4031

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

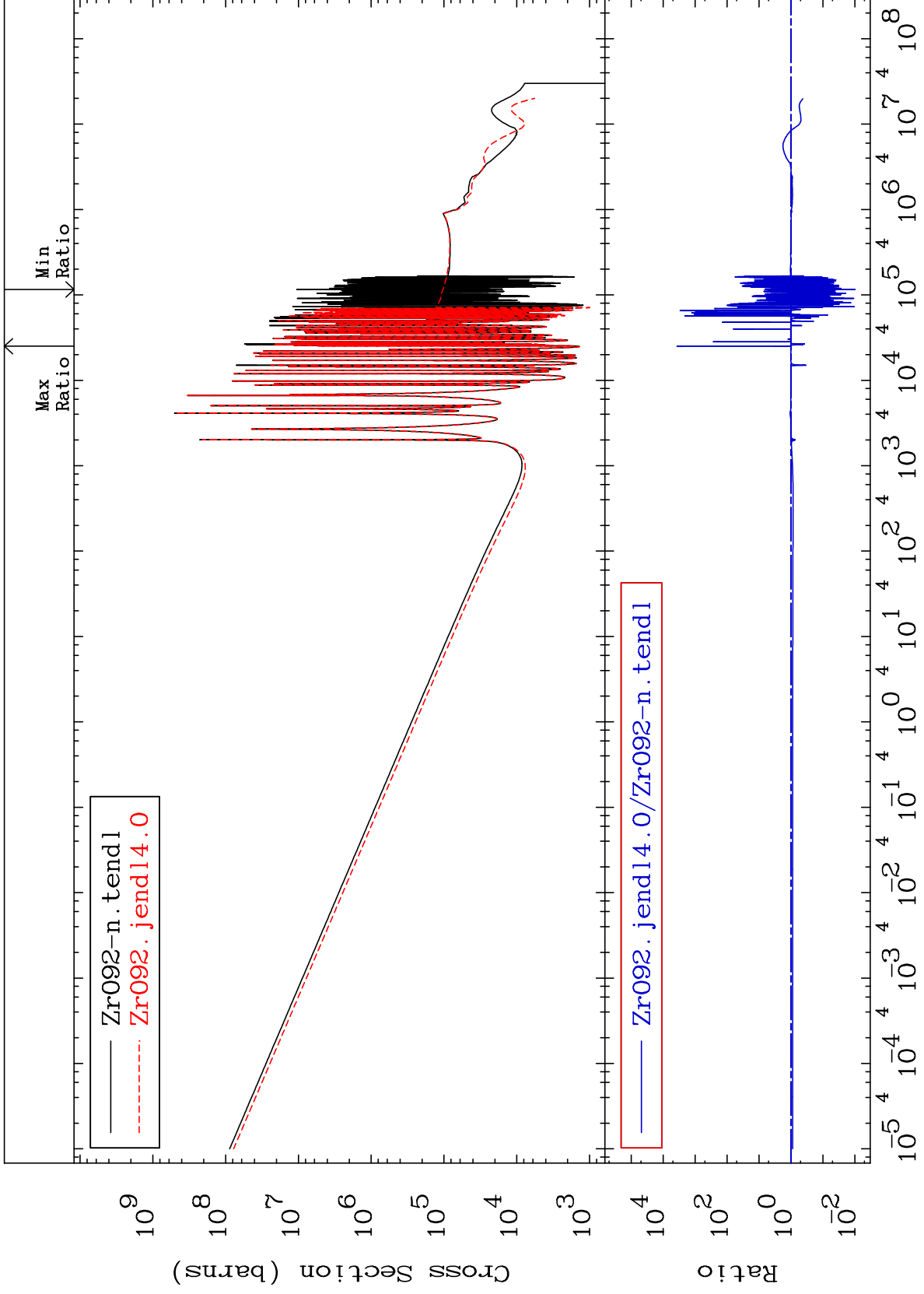
40-Zr-92
-21.56 To 1.161 %



MAT 4031

Kerma capture (mt102)
Cross Section

40-Zr-92
-99.02 To 9999. %



42

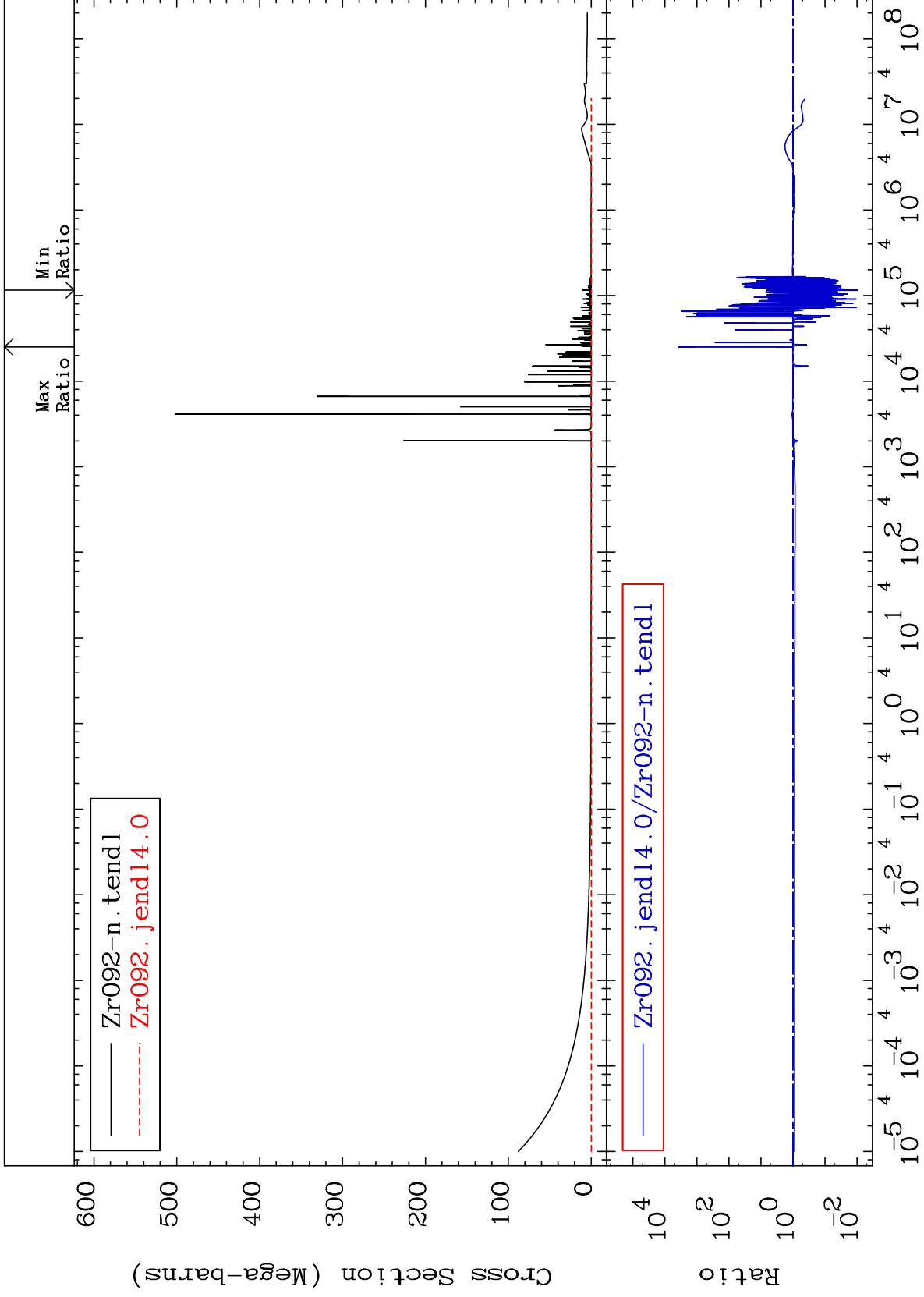
Incident Energy (eV)

40-Zr-92

MAT 4031

Total photon (eV-barns)
Cross Section

40-Zr-92
-99.02 To 9999. %

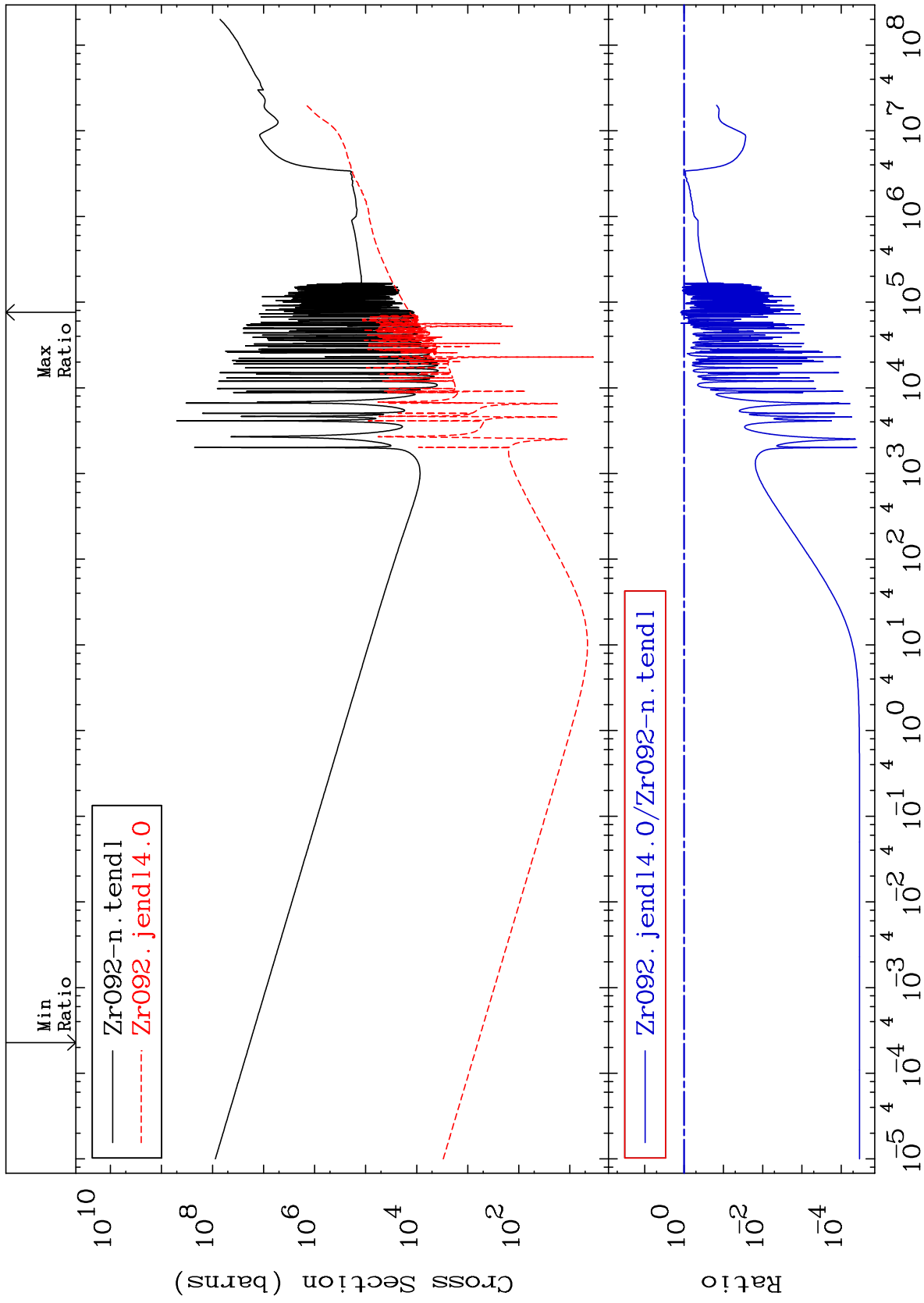


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Incident Energy (eV)

40-Zr-92

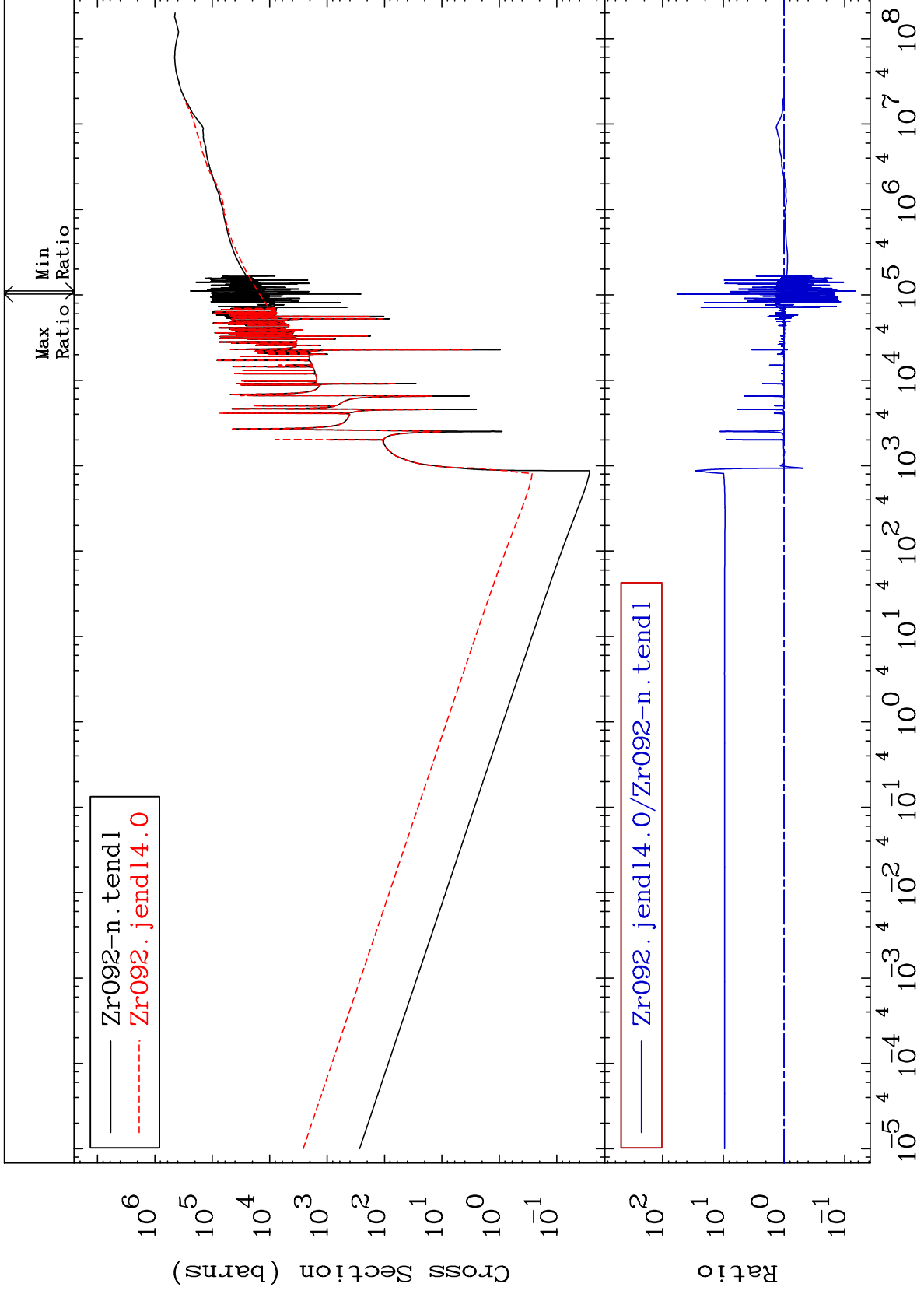
MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -100.0 To 21.18 %



MAT 4031

Dpa total (eV-barns)
Cross Section

40-Zr-92
-93.23 To 5721. %



45

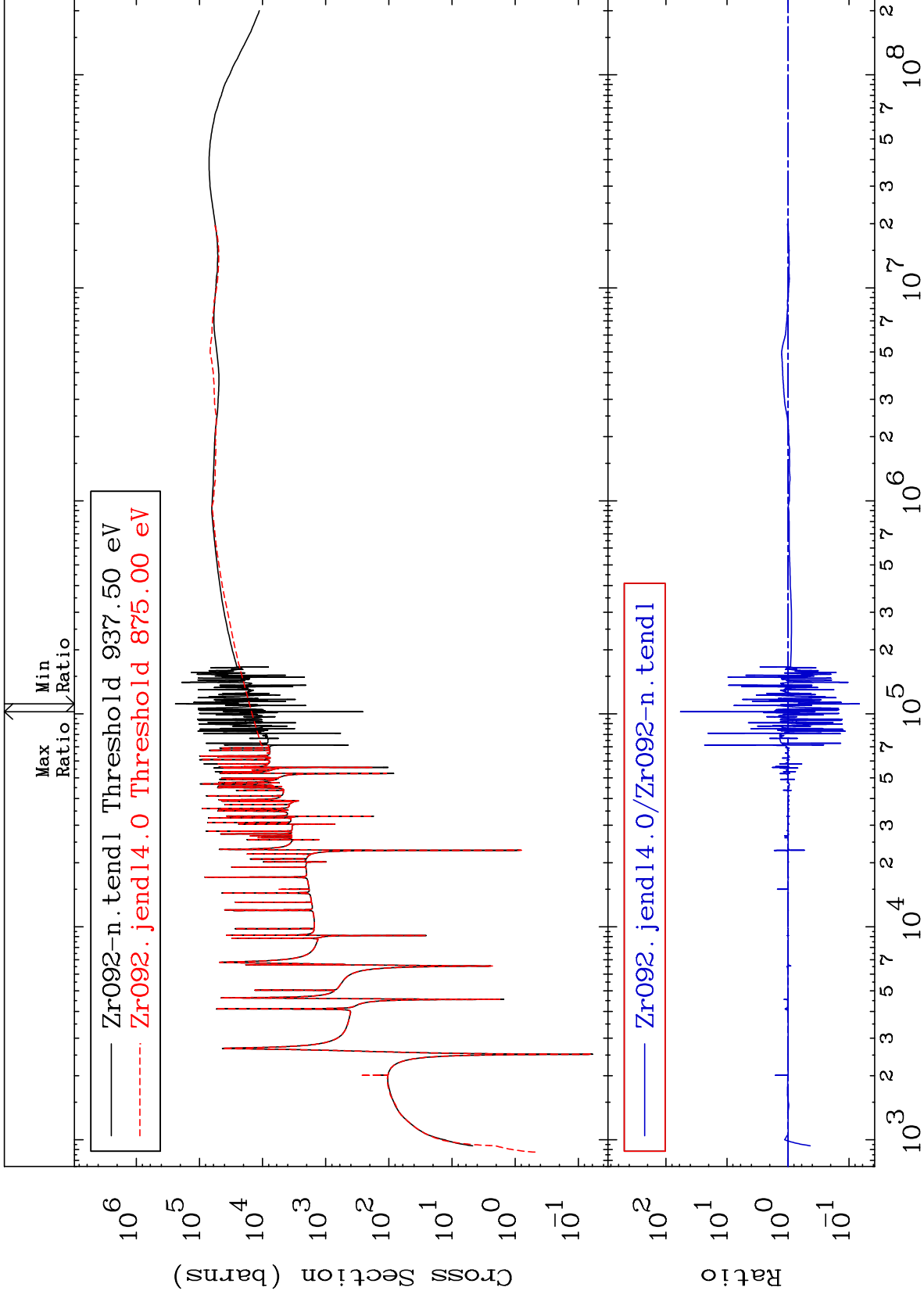
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa elastic (mt2)
Cross Section

40-Zr-92
-93.24 To 5723. %



46

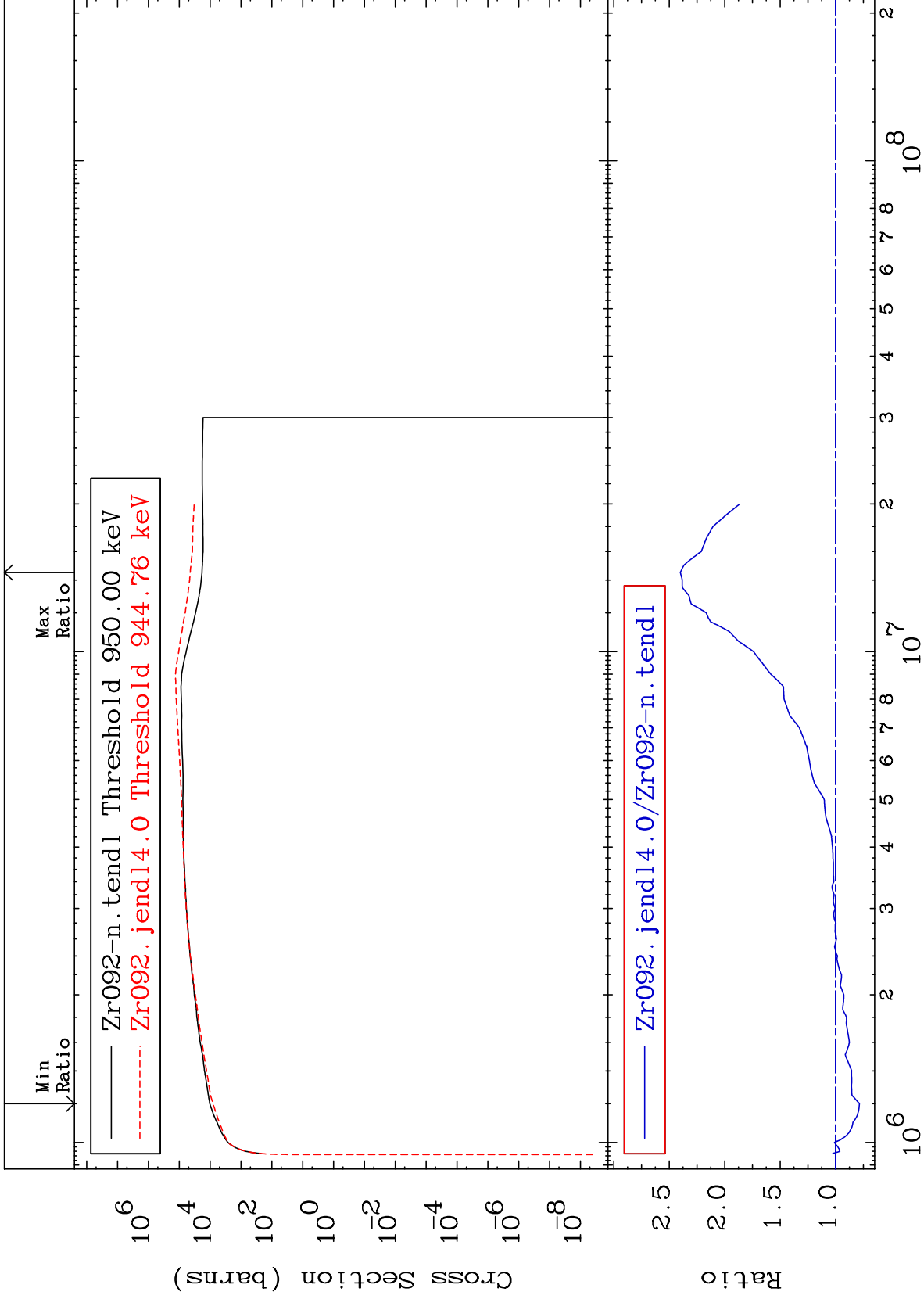
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa inelastic (mt51-91)
Cross Section

40-Zr-92
-21.48 To 139.9 %



47

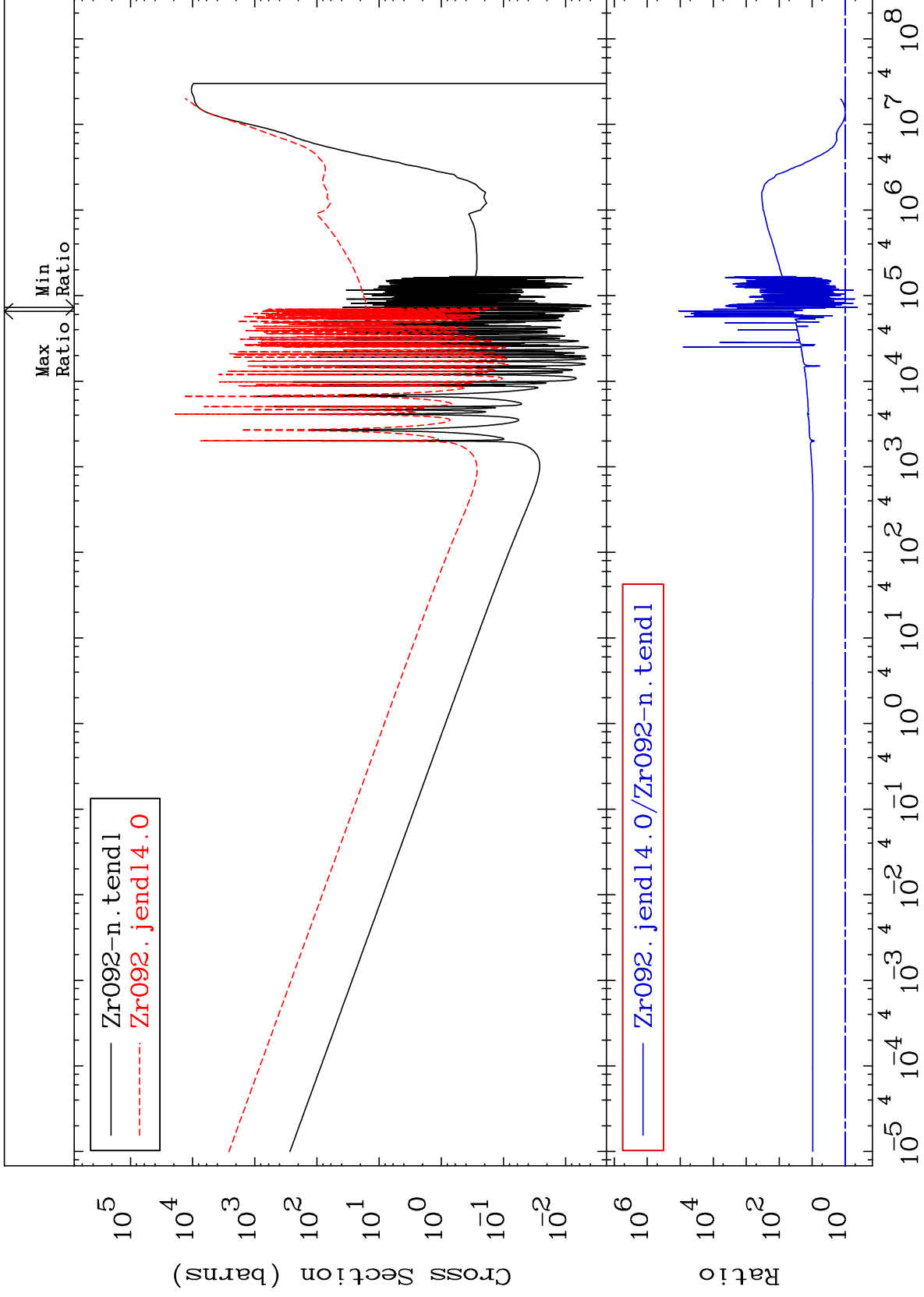
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-92
-57.01 To 9999. %



48

Incident Energy (eV)

40-Zr-92