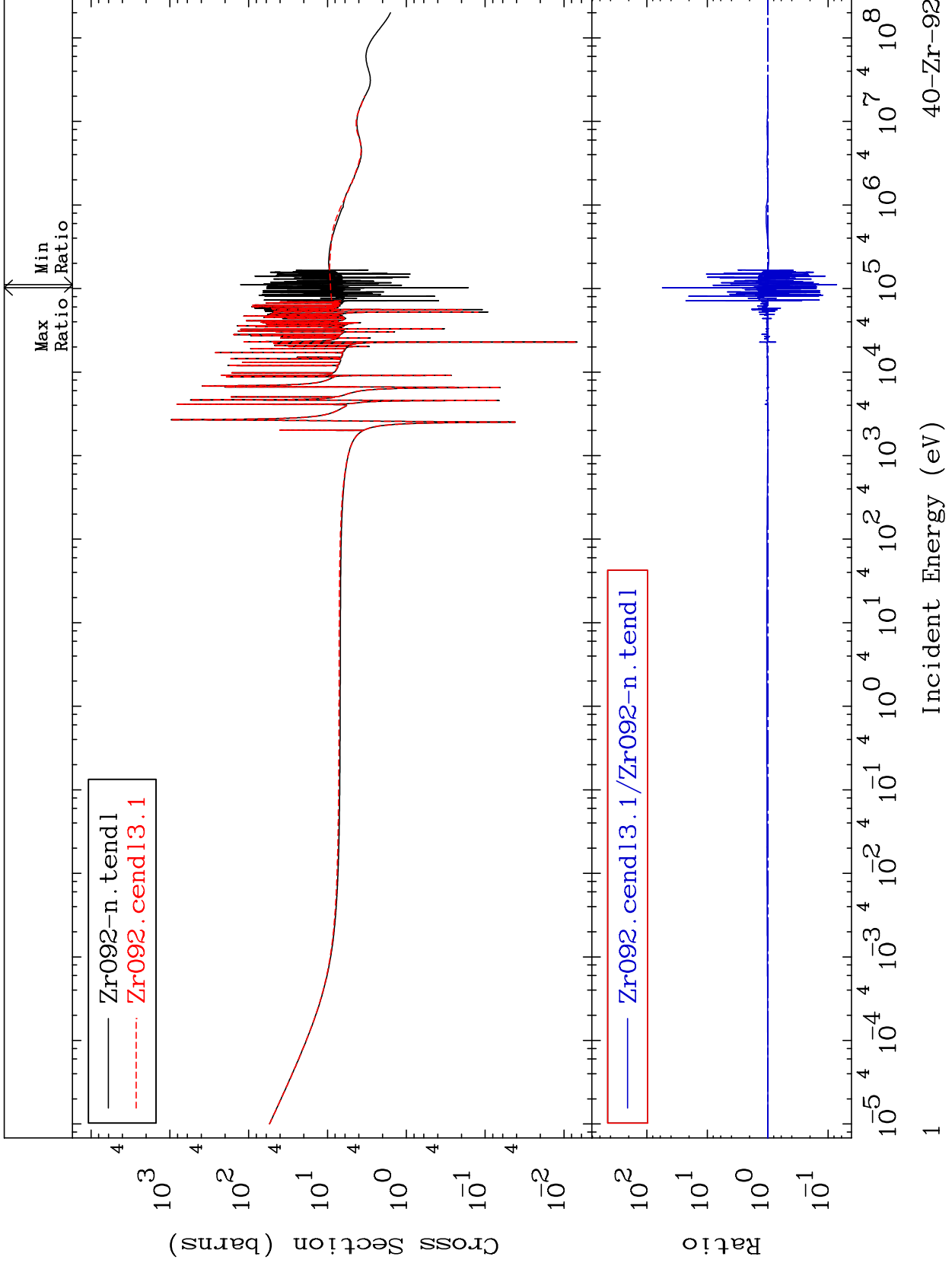


MAT 4031

Total
Cross Section

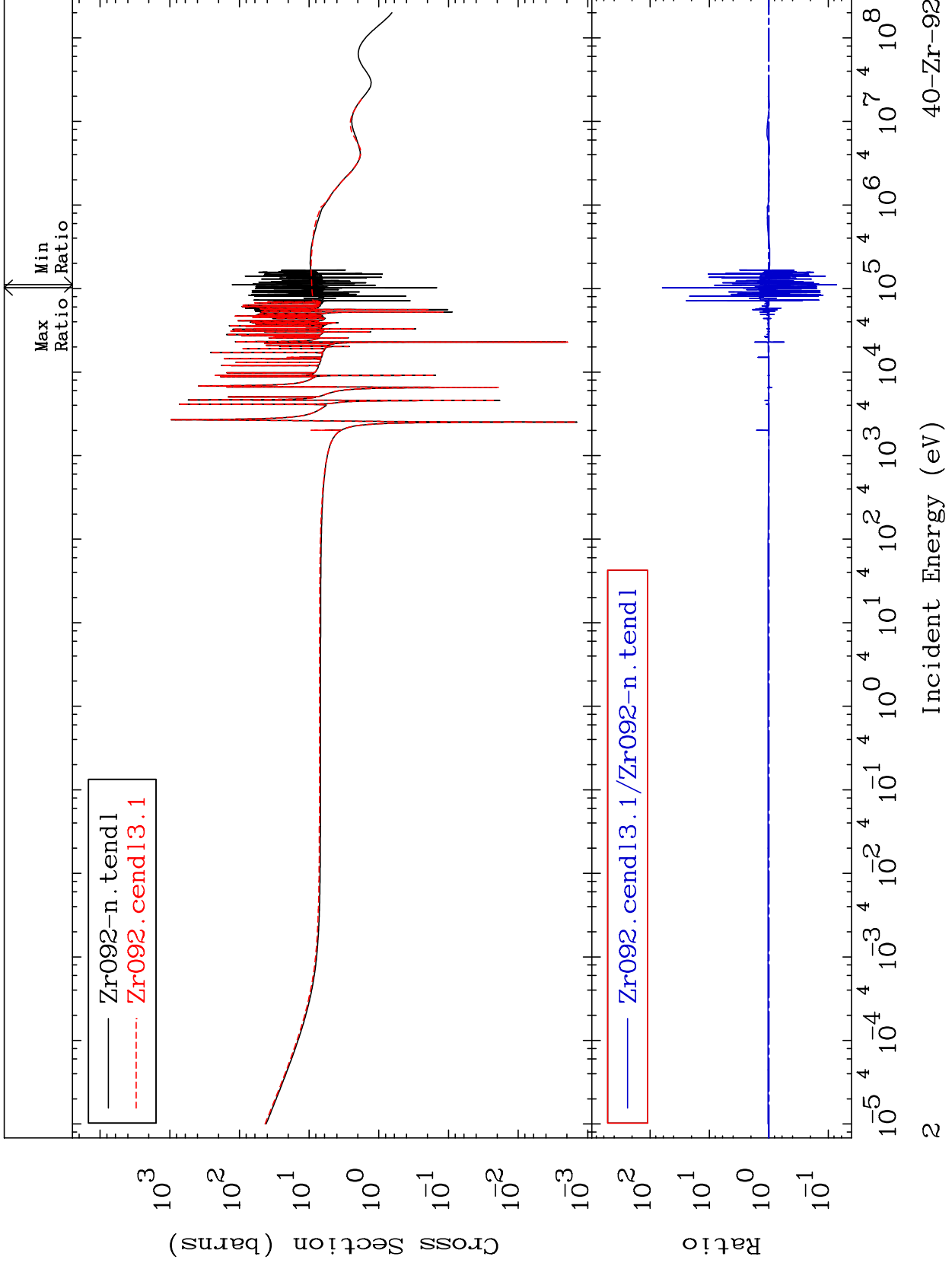
40-Zr-92
-92.75 To 5463. %



MAT 4031

Elastic
Cross Section

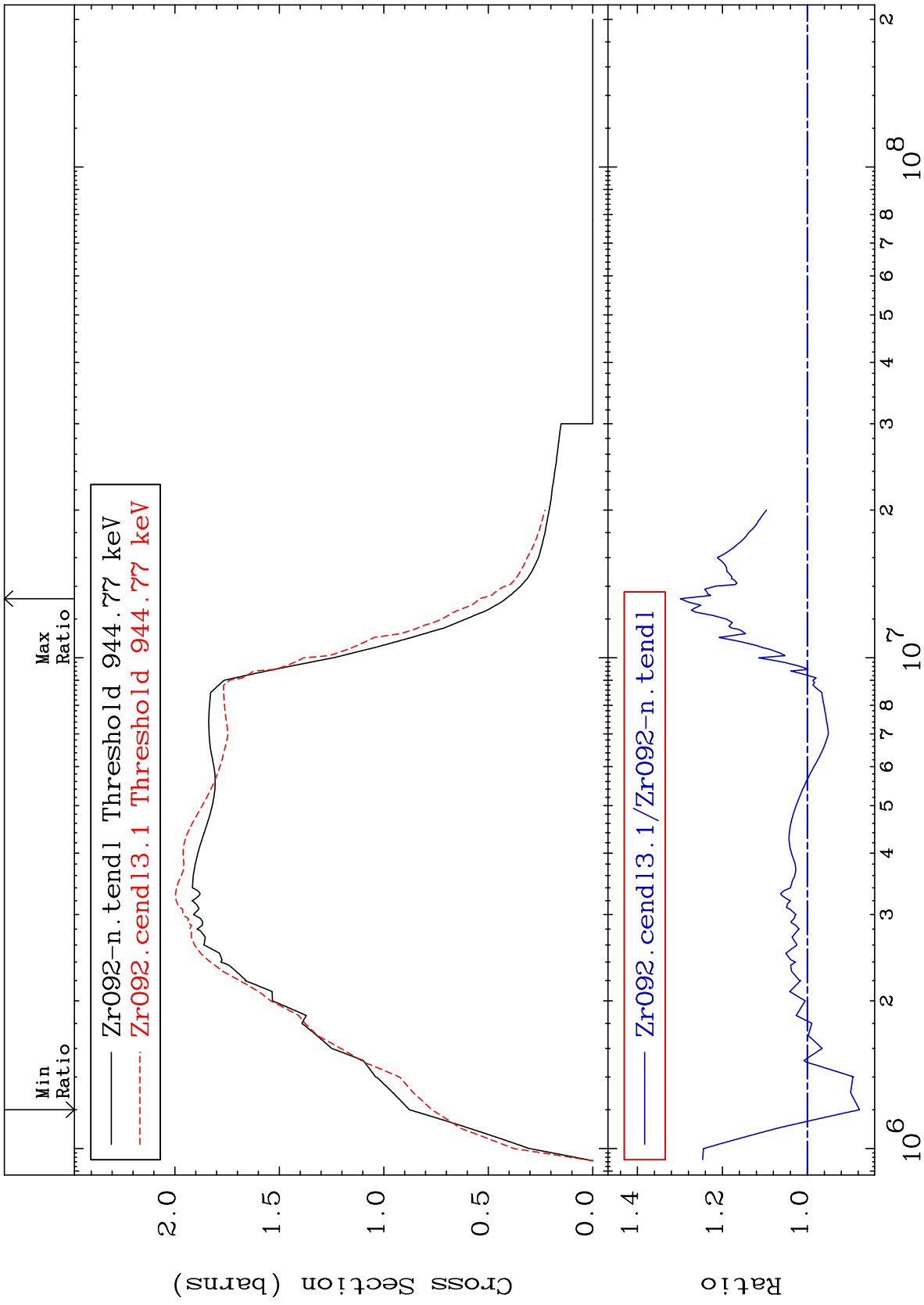
40-Zr-92
-92.77 To 6107. %



MAT 4031

Inelastic
Cross Section

40-Zr-92
-12.27 To 29.89 %

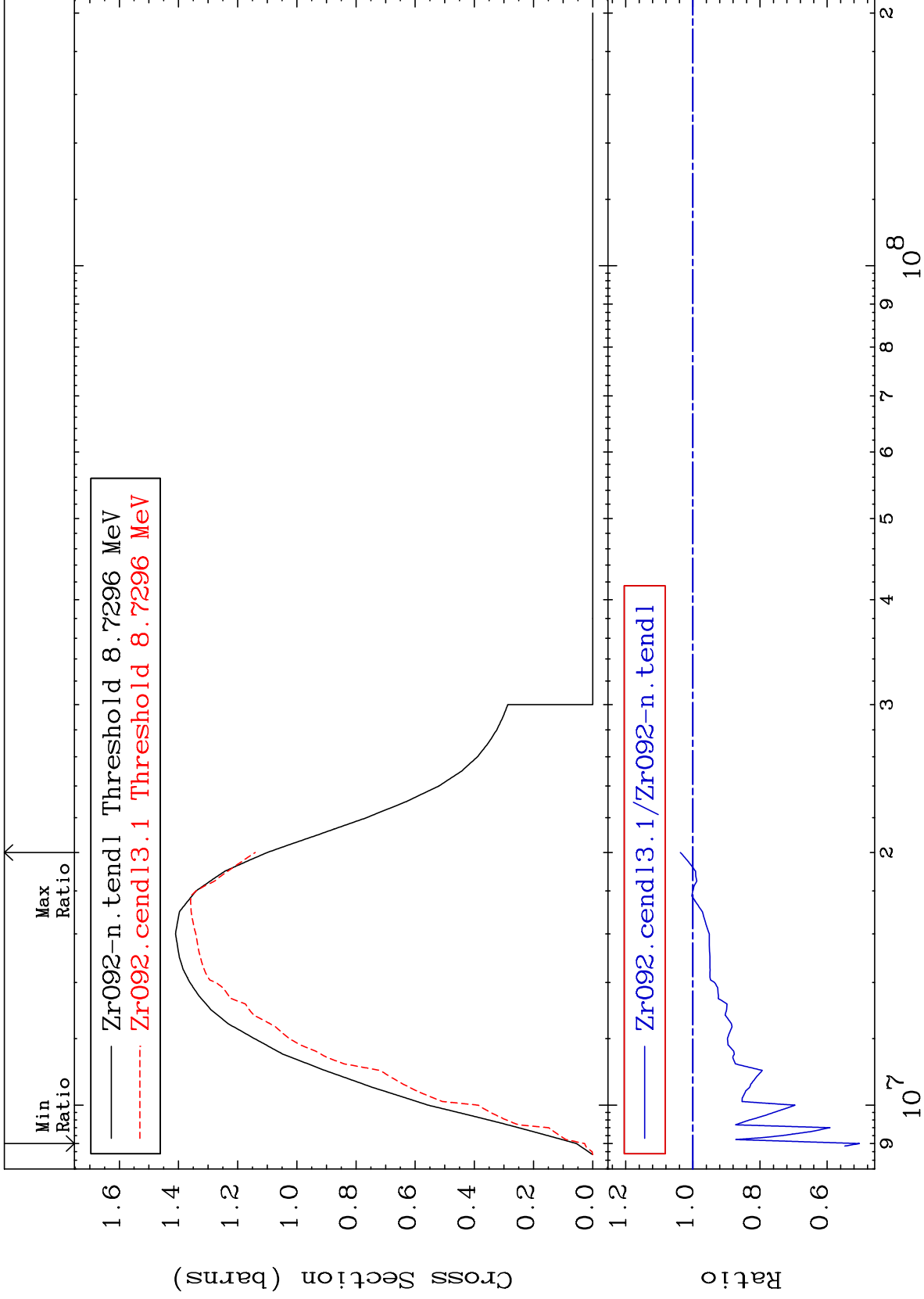


3

MAT 4031

(n,2n)
Cross Section

40-Zr-92
-49.60 To 3.725 %



4

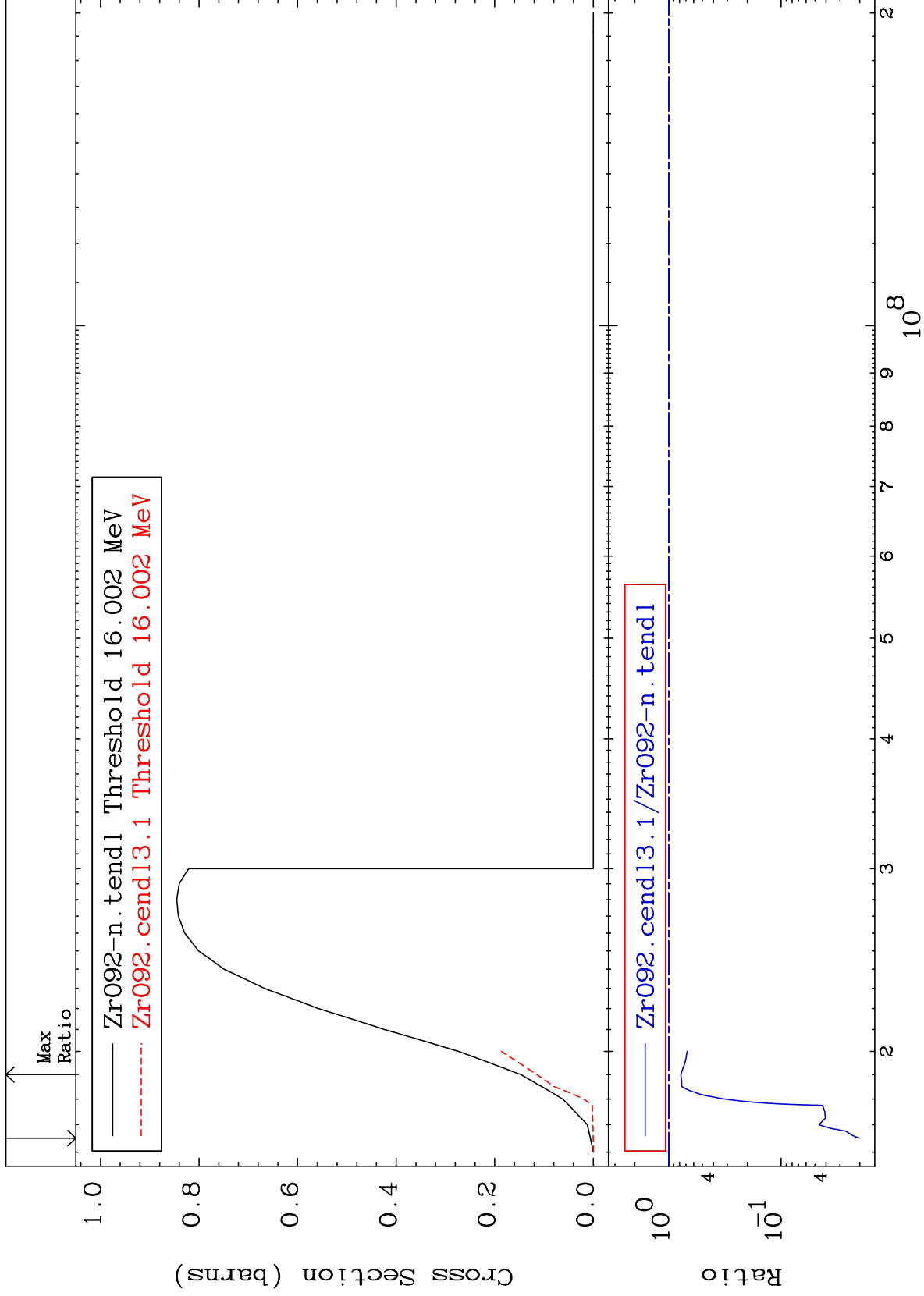
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,3n)
Cross Section

40-Zr-92
-97.99 To -22.05%



5

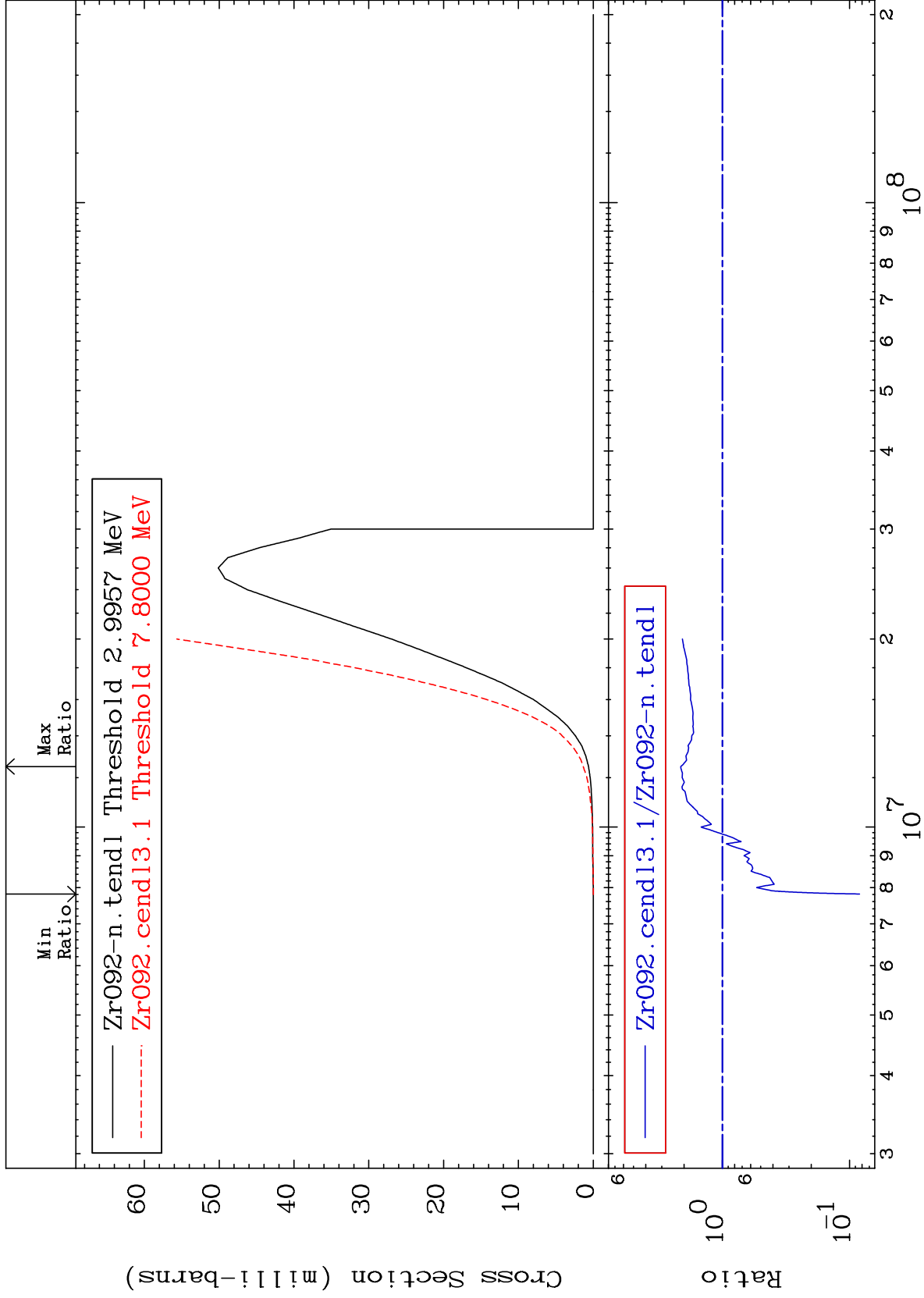
40-Zr-92

40-Zr-92

MAT 4031

(n, n') α
Cross Section

40-Zr-92
-91.64 To 112.5 %



6

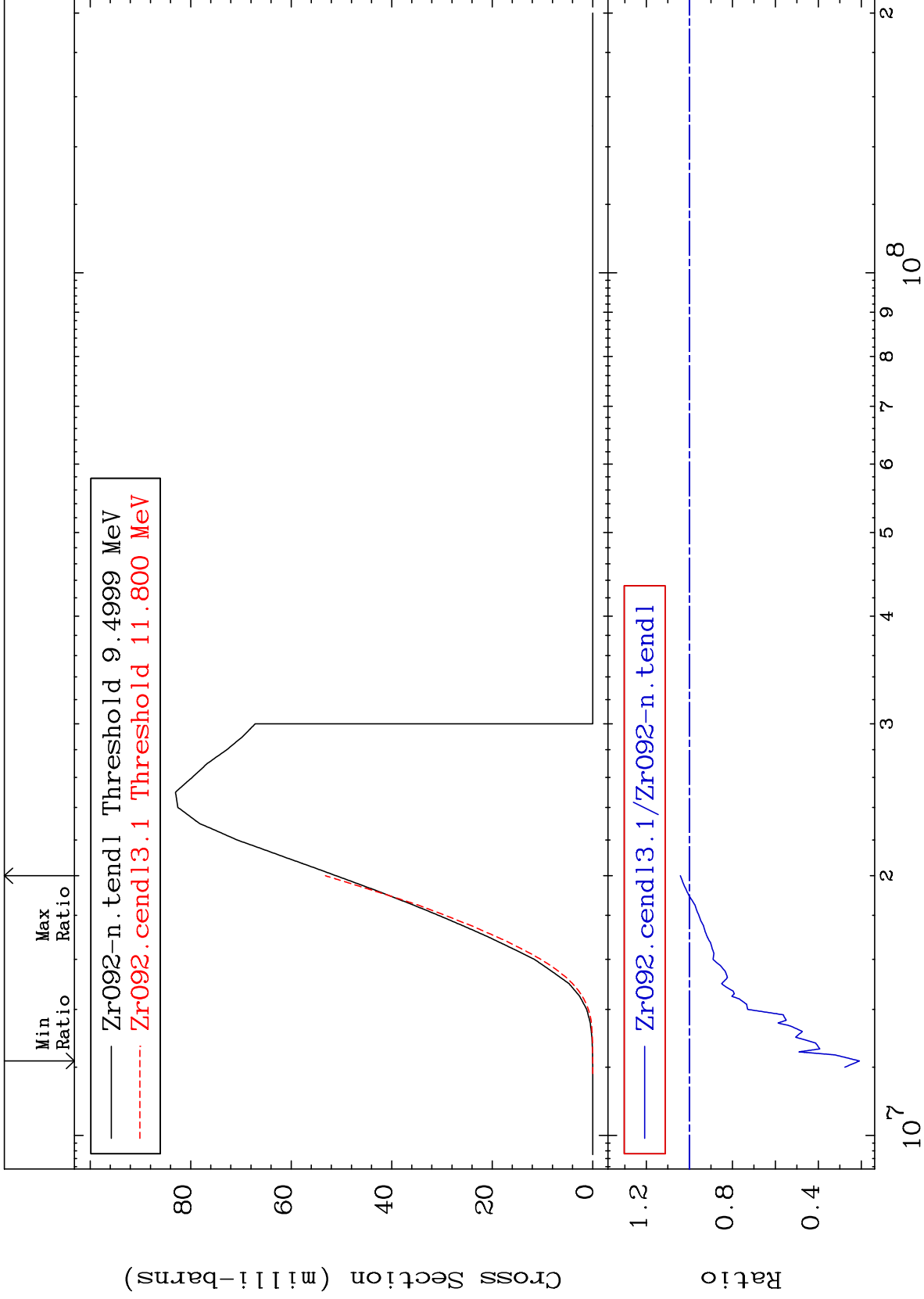
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,n') p
Cross Section

40-Zr-92
-79.11 To 4.204 %



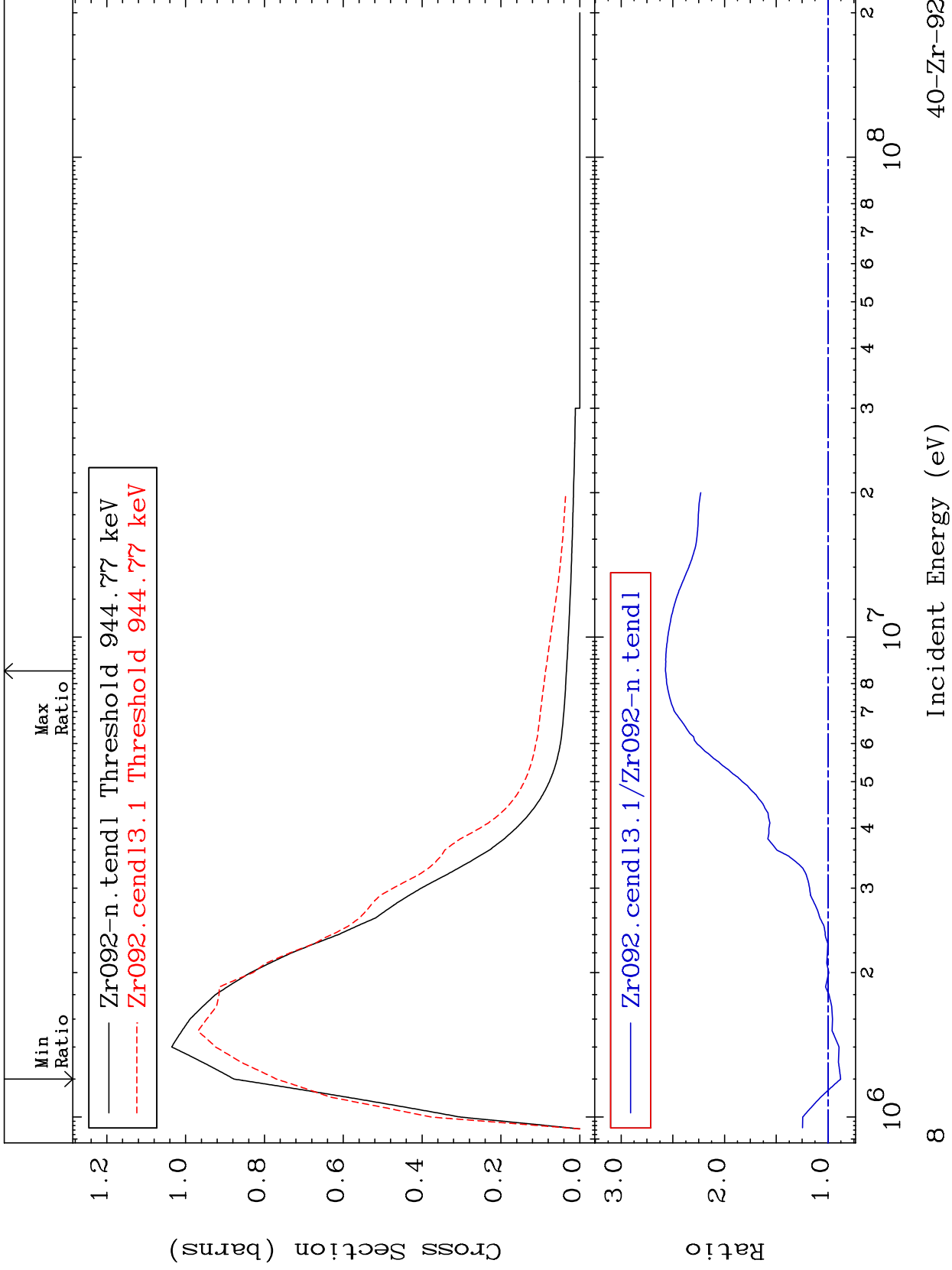
40-Zr-92

40-Zr-92

MAT 4031

934.5 keV (n,n') Level
Cross Section

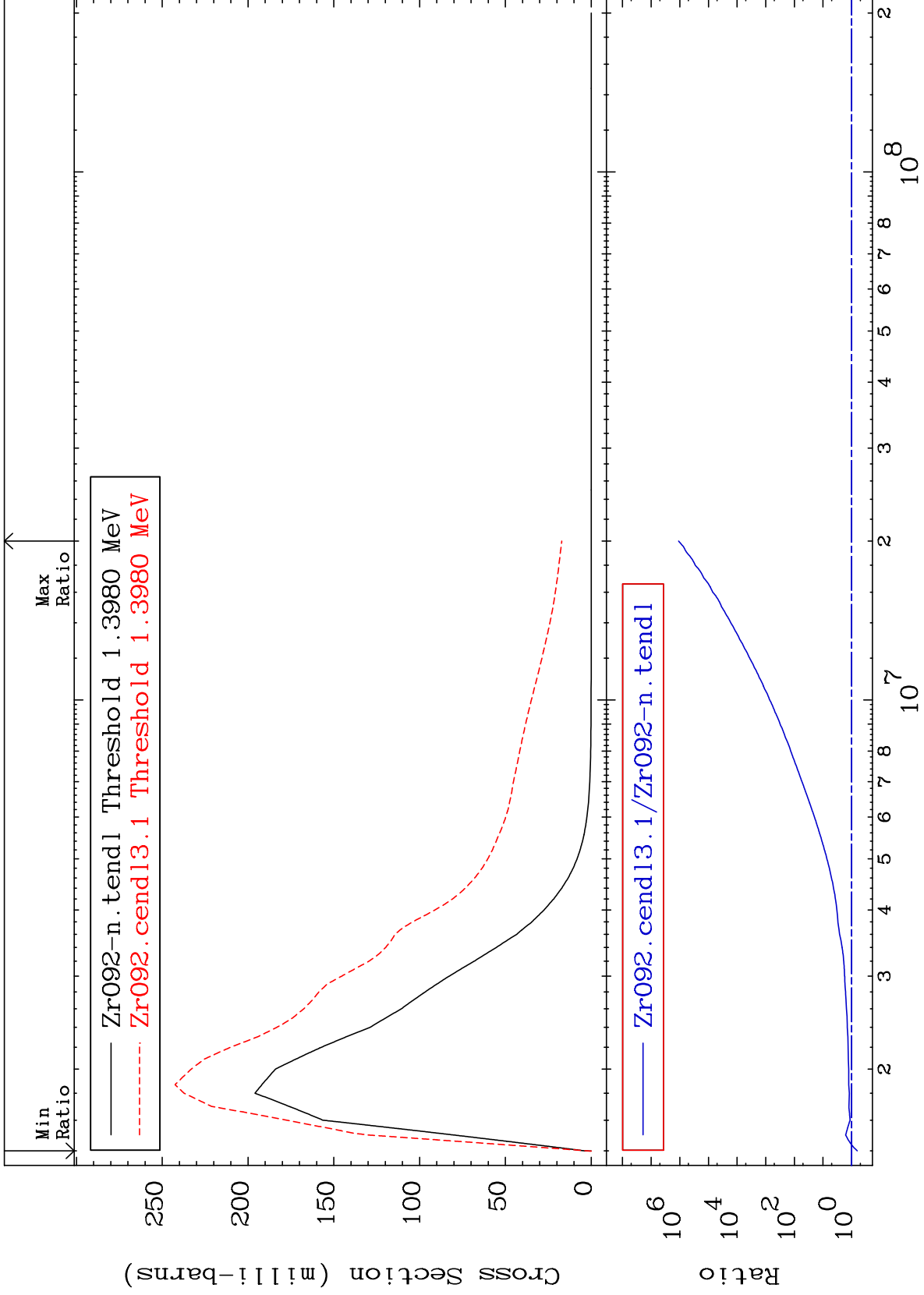
40-Zr-92
-12.27 To 157.1 %



MAT 4031

1.383 MeV (n,n') Level
Cross Section

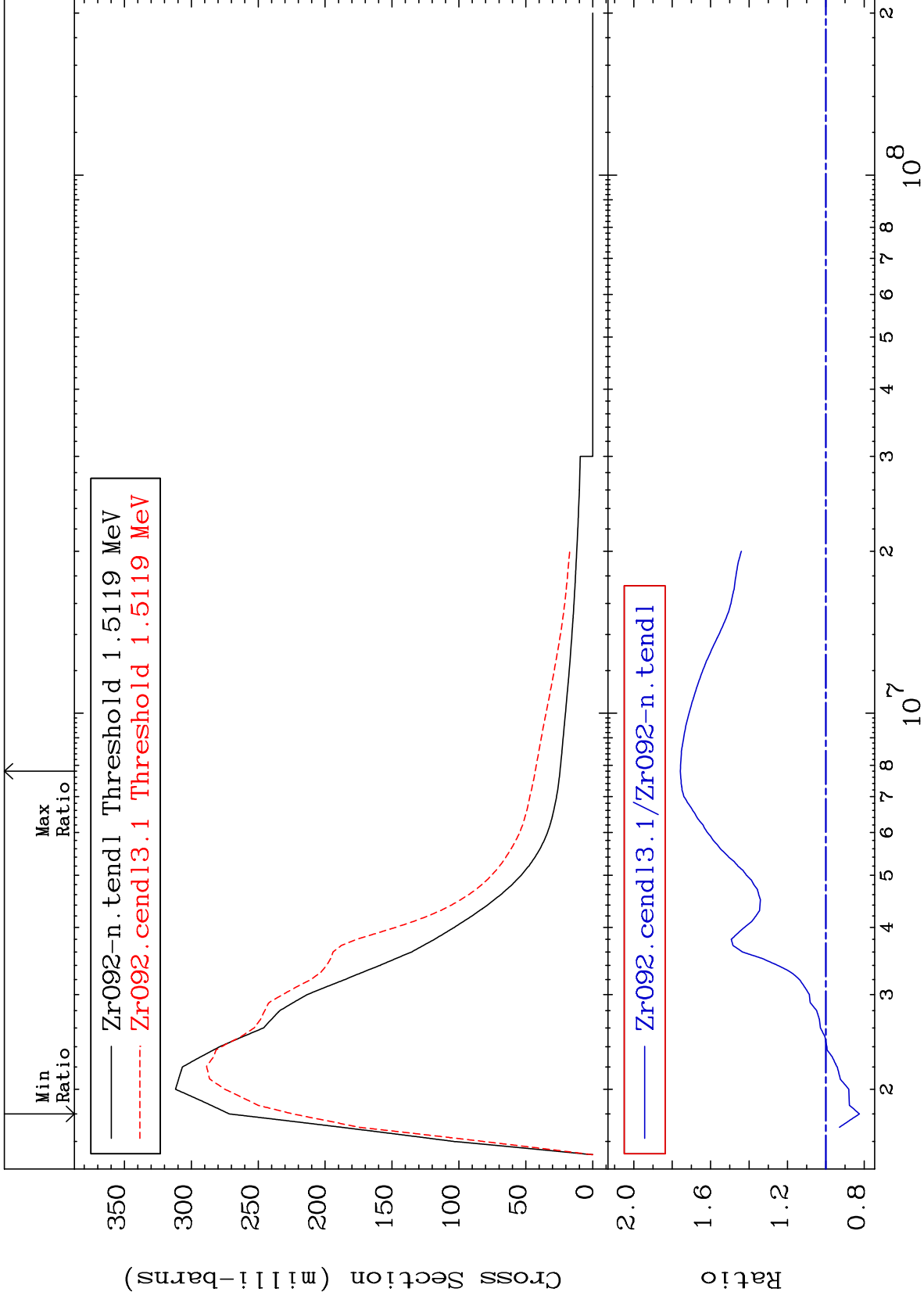
40-Zr-92
-36.13 To 9999. %



MAT 4031

1.495 MeV (n,n') Level
Cross Section

40-Zr-92
-17.47 To 75.74 %



10

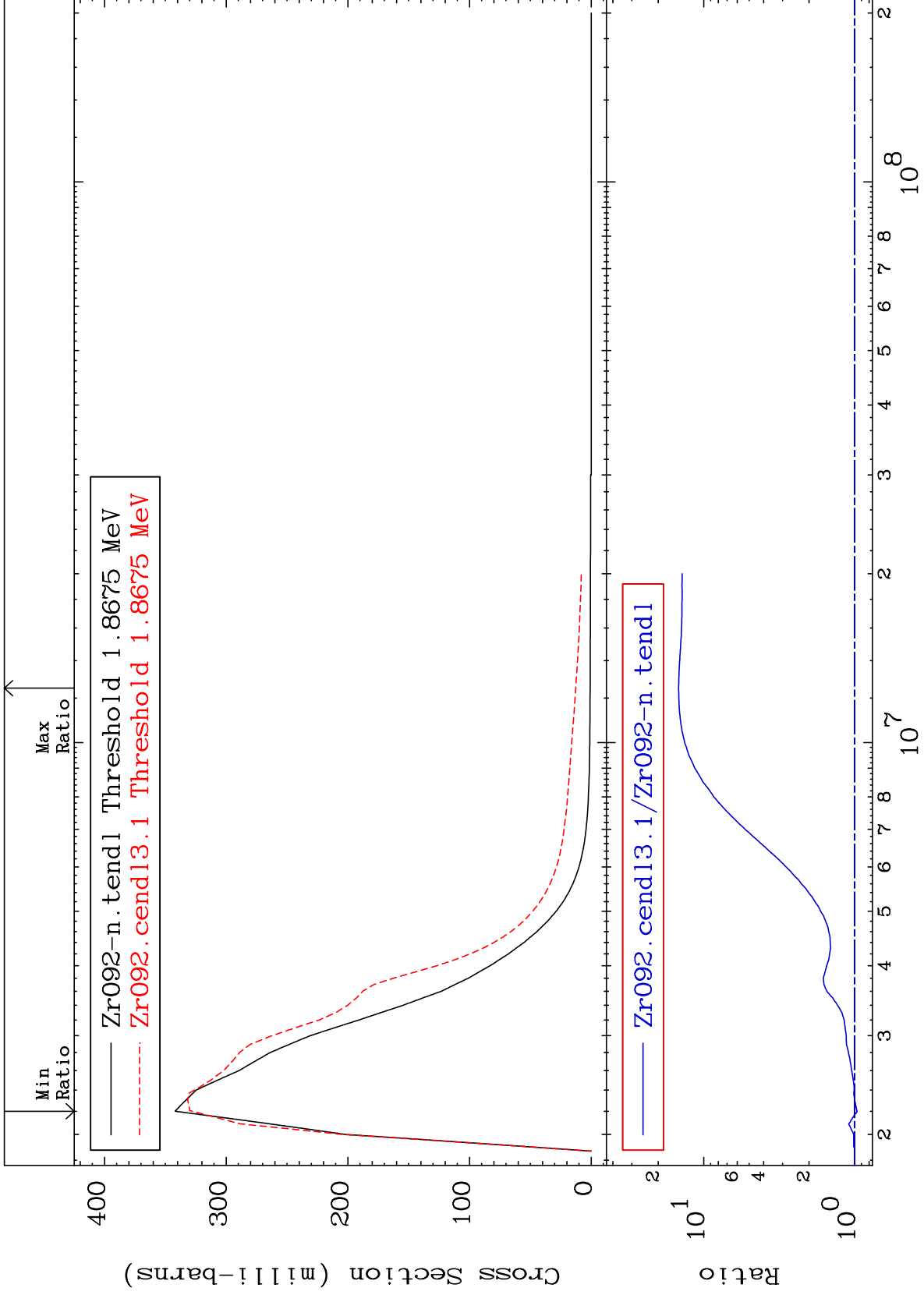
Incident Energy (eV)

40-Zr-92

MAT 4031

1.847 MeV (n,n') Level
Cross Section

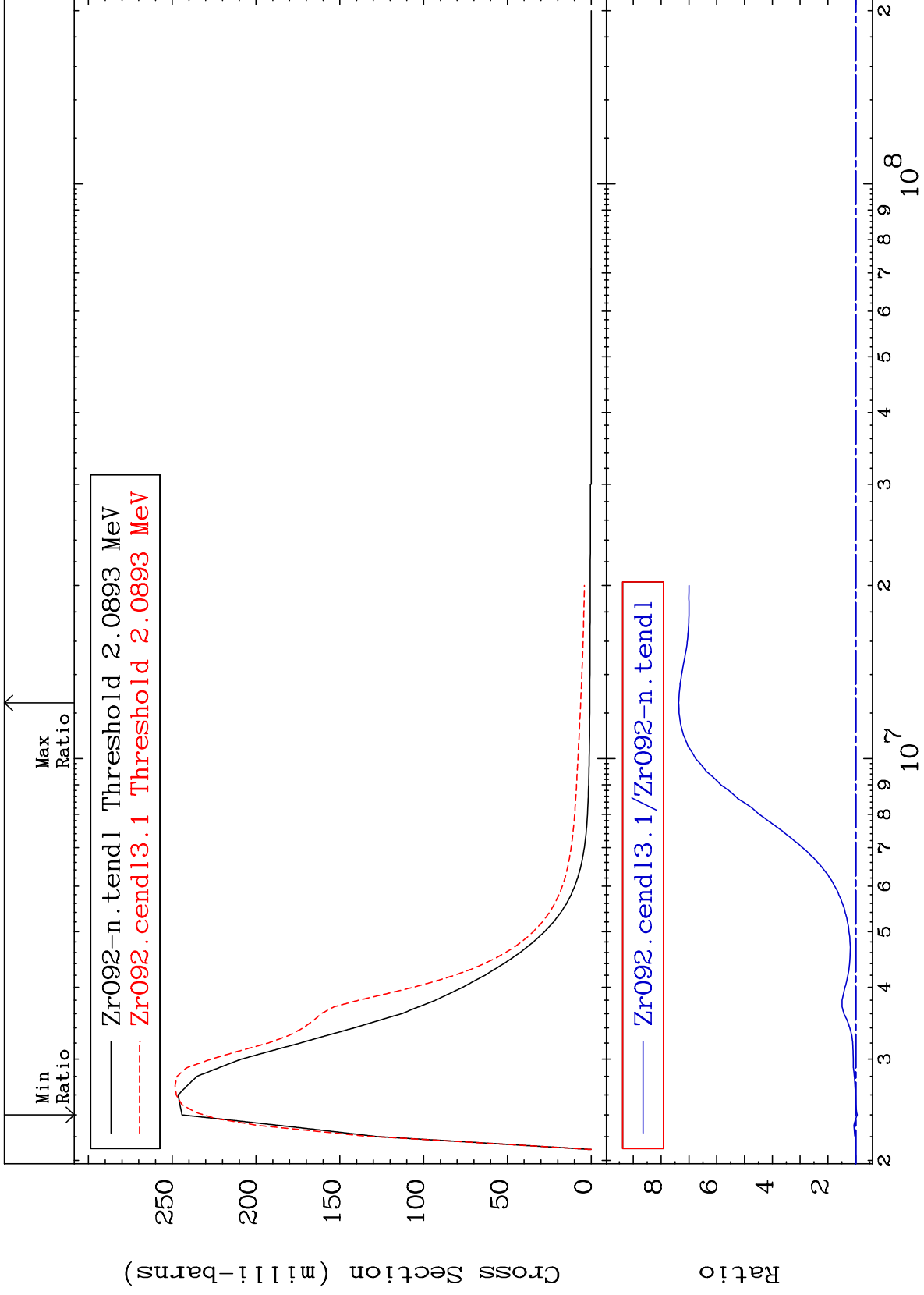
40-Zr-92
-4.148 To 1366. %



MAT 4031

2.067 MeV (n,n') Level
Cross Section

40-Zr-92
-5.363 To 637.0 %



12

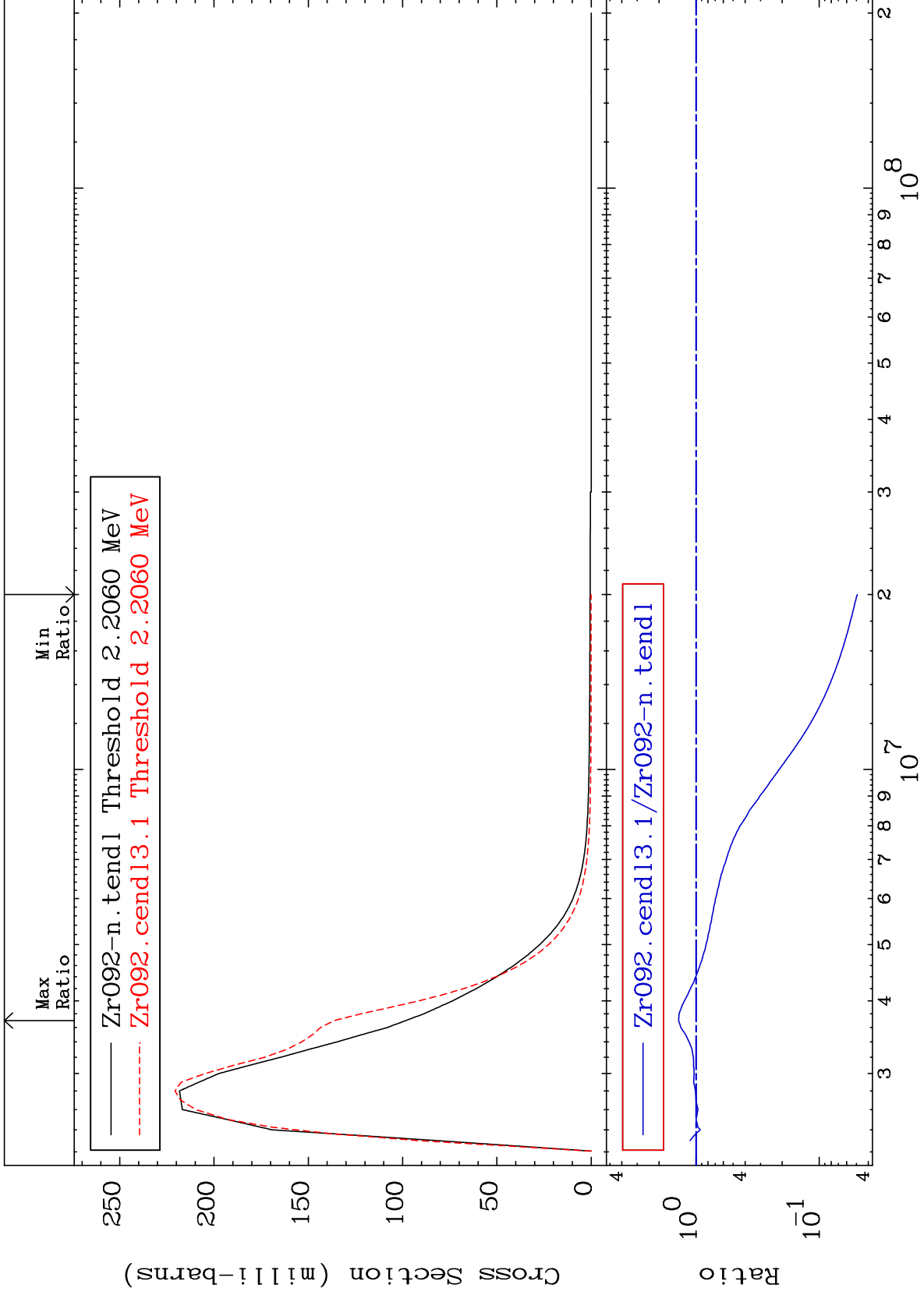
40-Zr-92

40-Zr-92

MAT 4031

2.182 MeV (n,n') Level
Cross Section

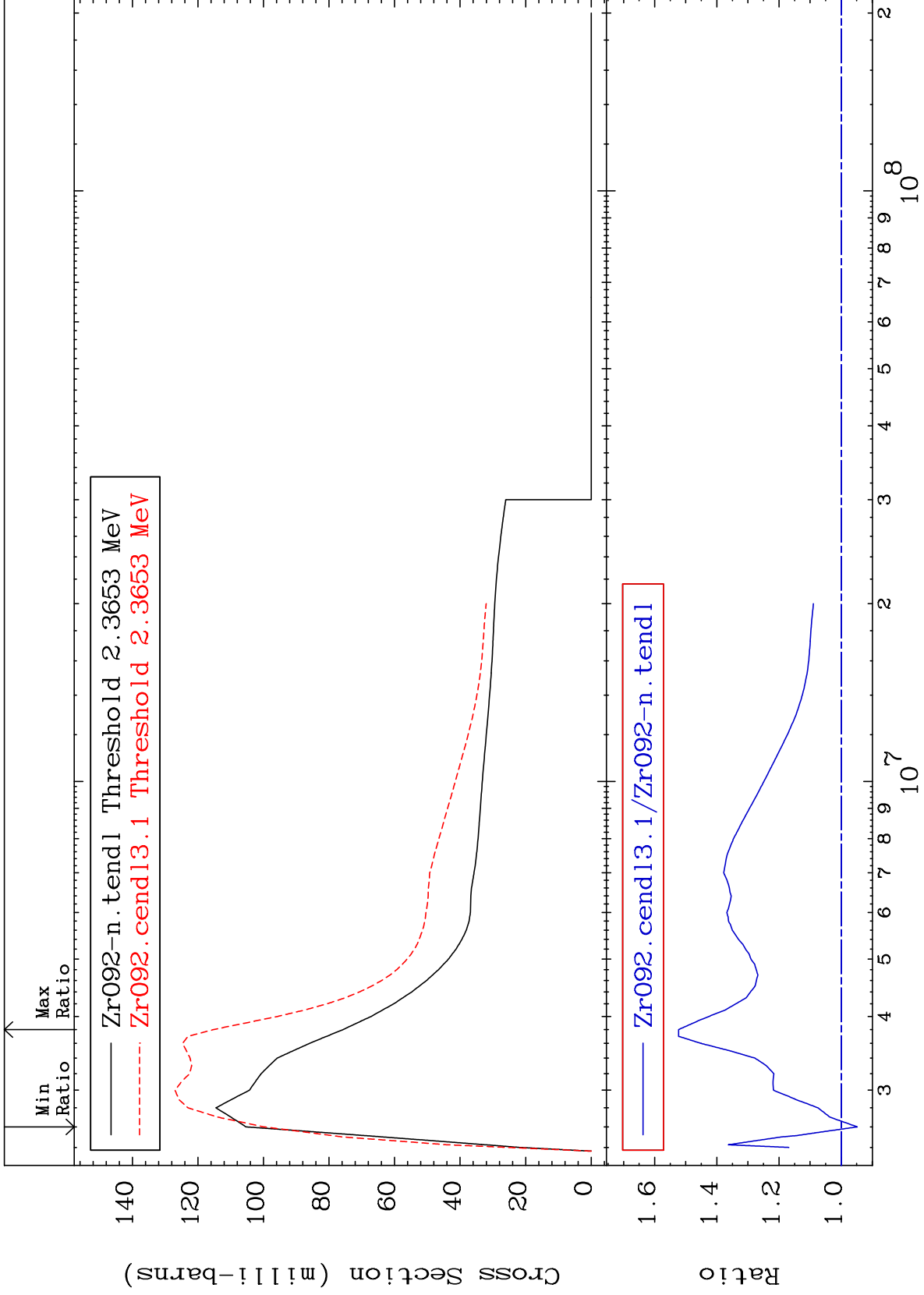
40-Zr-92
-95.08 To 38.47 %



MAT 4031

2.340 MeV (n,n') Level
Cross Section

40-Zr-92
-5.174 To 52.29 %



14

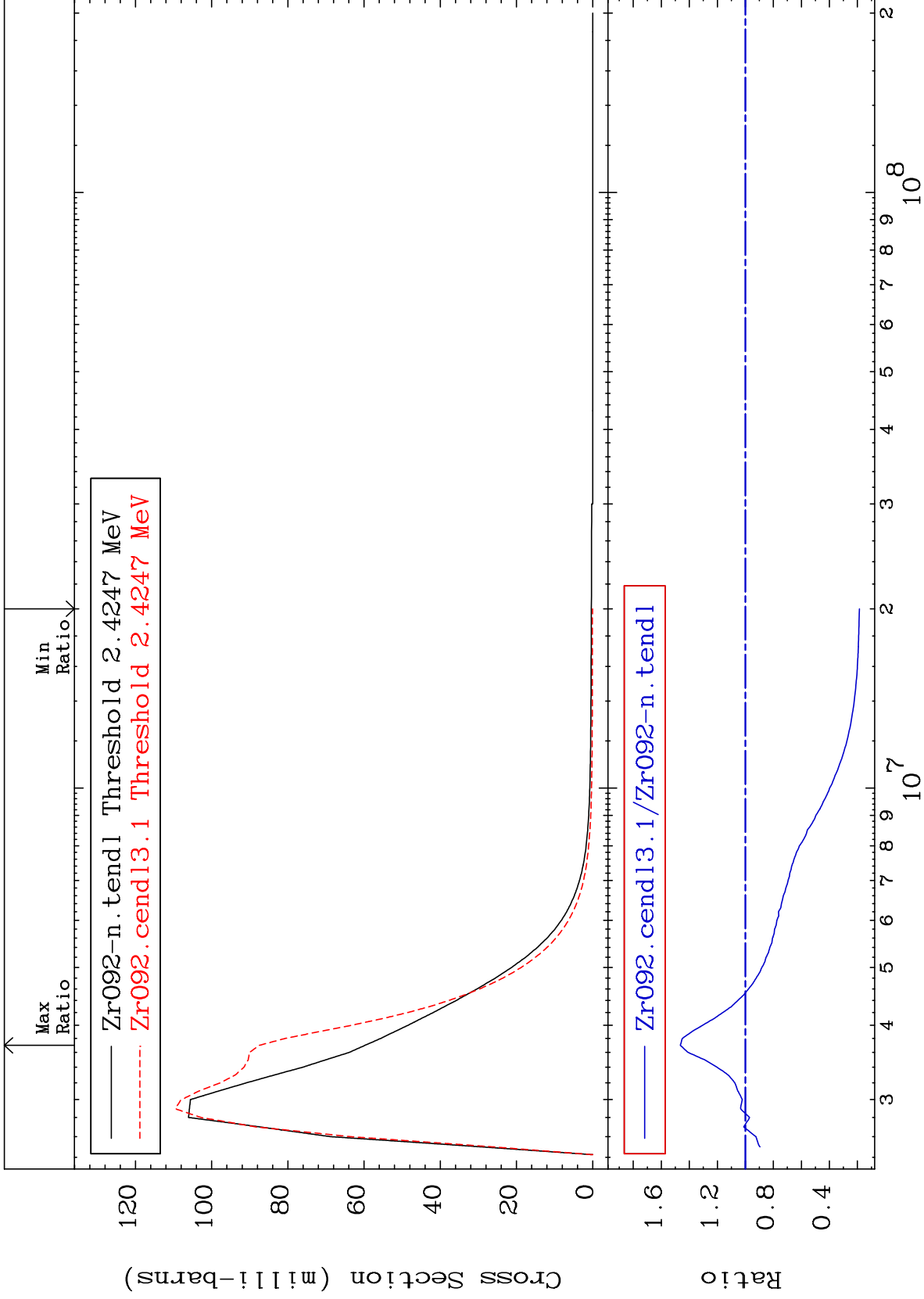
Incident Energy (eV)

40-Zr-92

MAT 4031

2.398 MeV (n,n') Level
Cross Section

40-Zr-92
-81.44 To 46.39 %



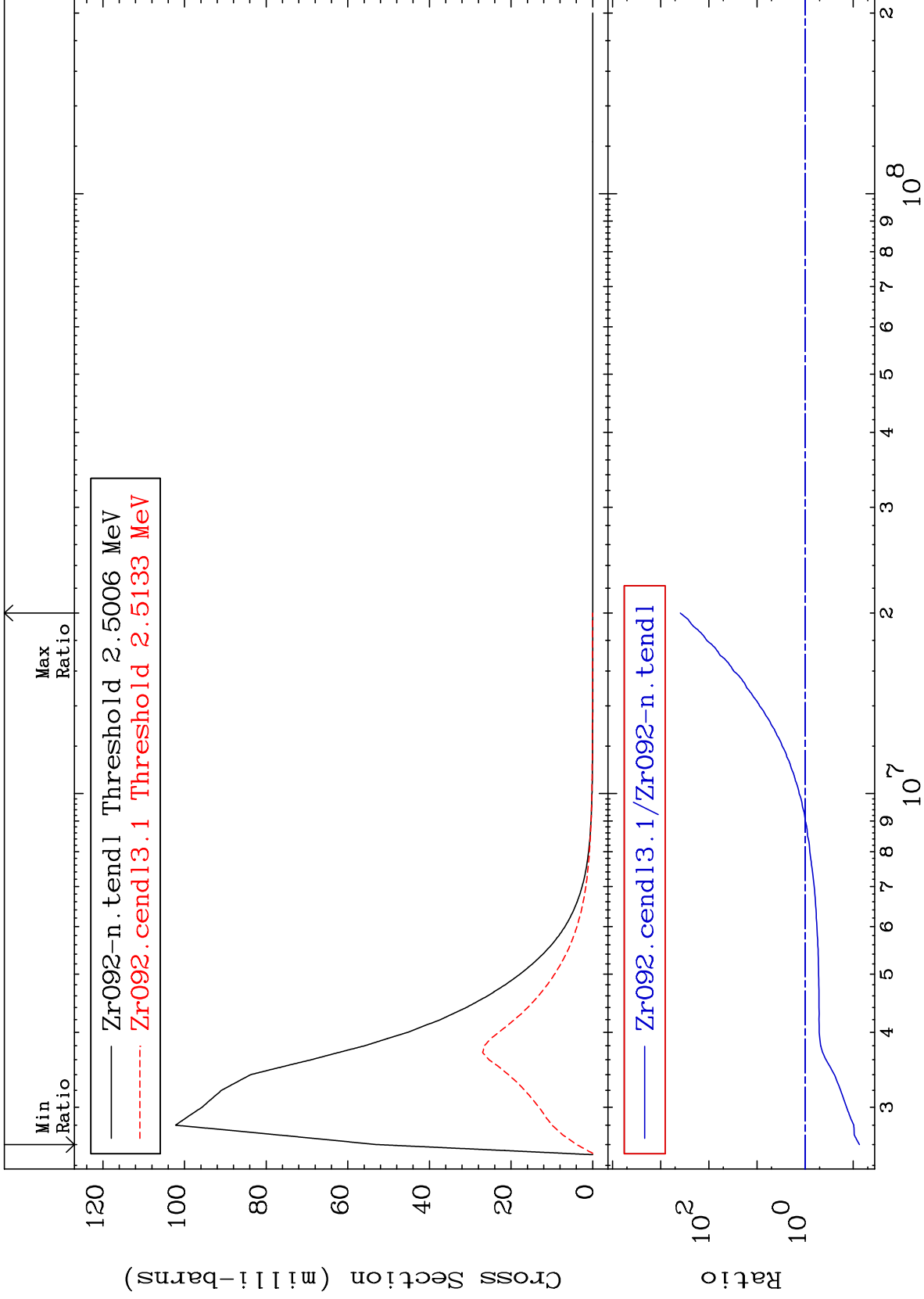
15

40-Zr-92

MAT 4031

2.473 MeV (n,n') Level
Cross Section

40-Zr-92
-92.55 To 9999. %



16

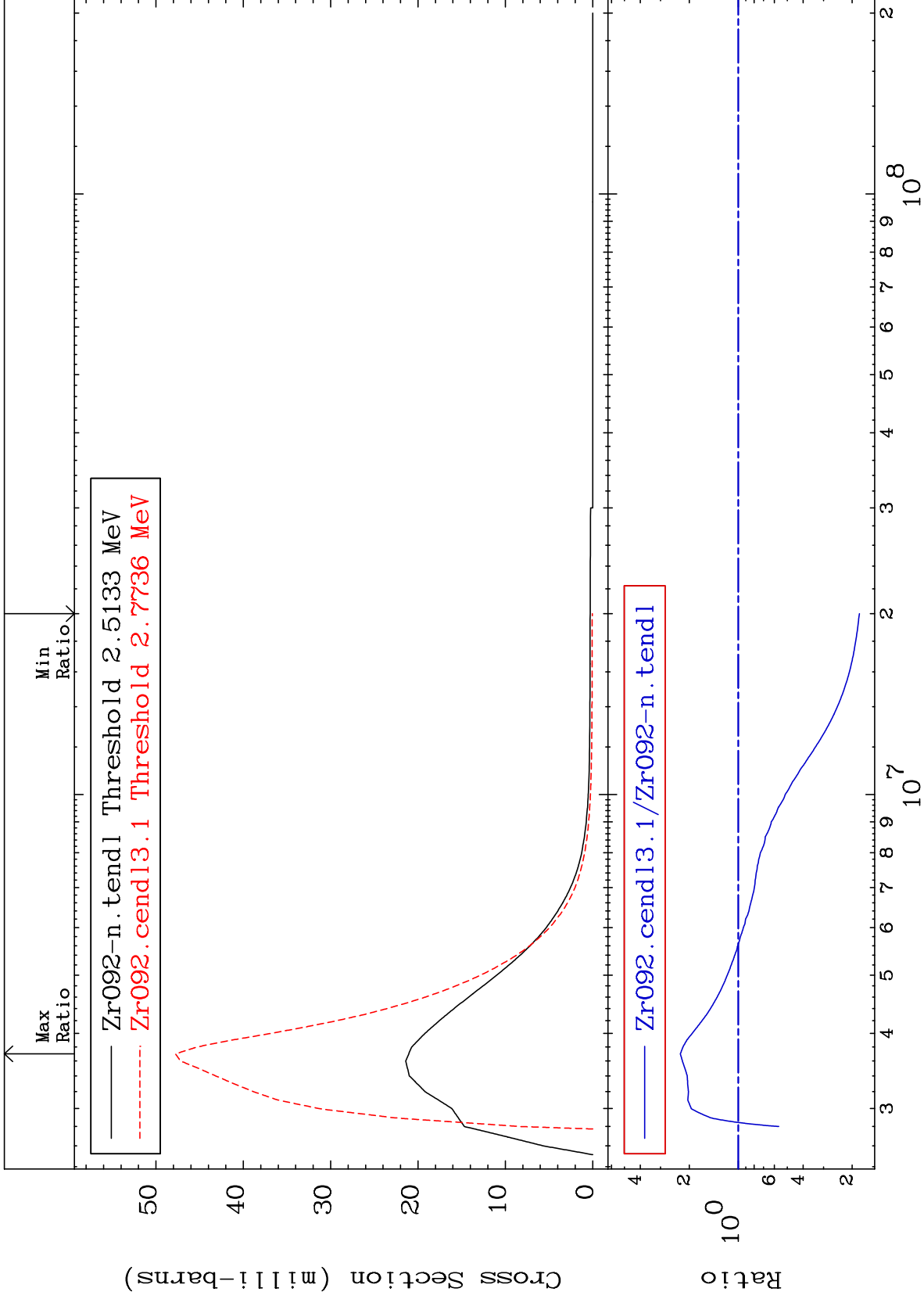
40-Zr-92

40-Zr-92

MAT 4031

2.486 MeV (n,n') Level
Cross Section

40-Zr-92
-81.96 To 126.8 %



17

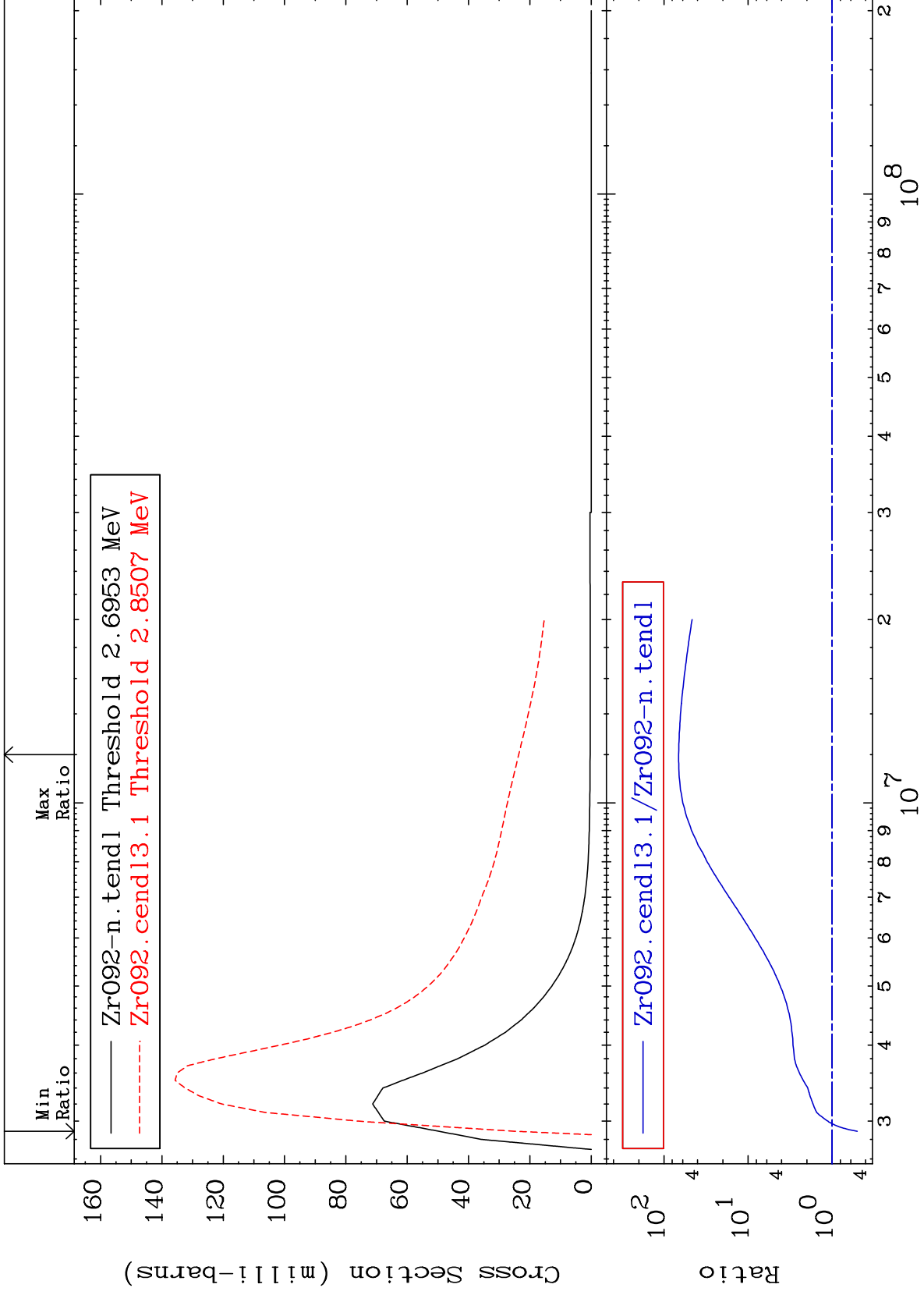
Incident Energy (eV)

40-Zr-92

MAT 4031

2.666 MeV (n,n') Level
Cross Section

40-Zr-92
-49.70 To 6614. %



18

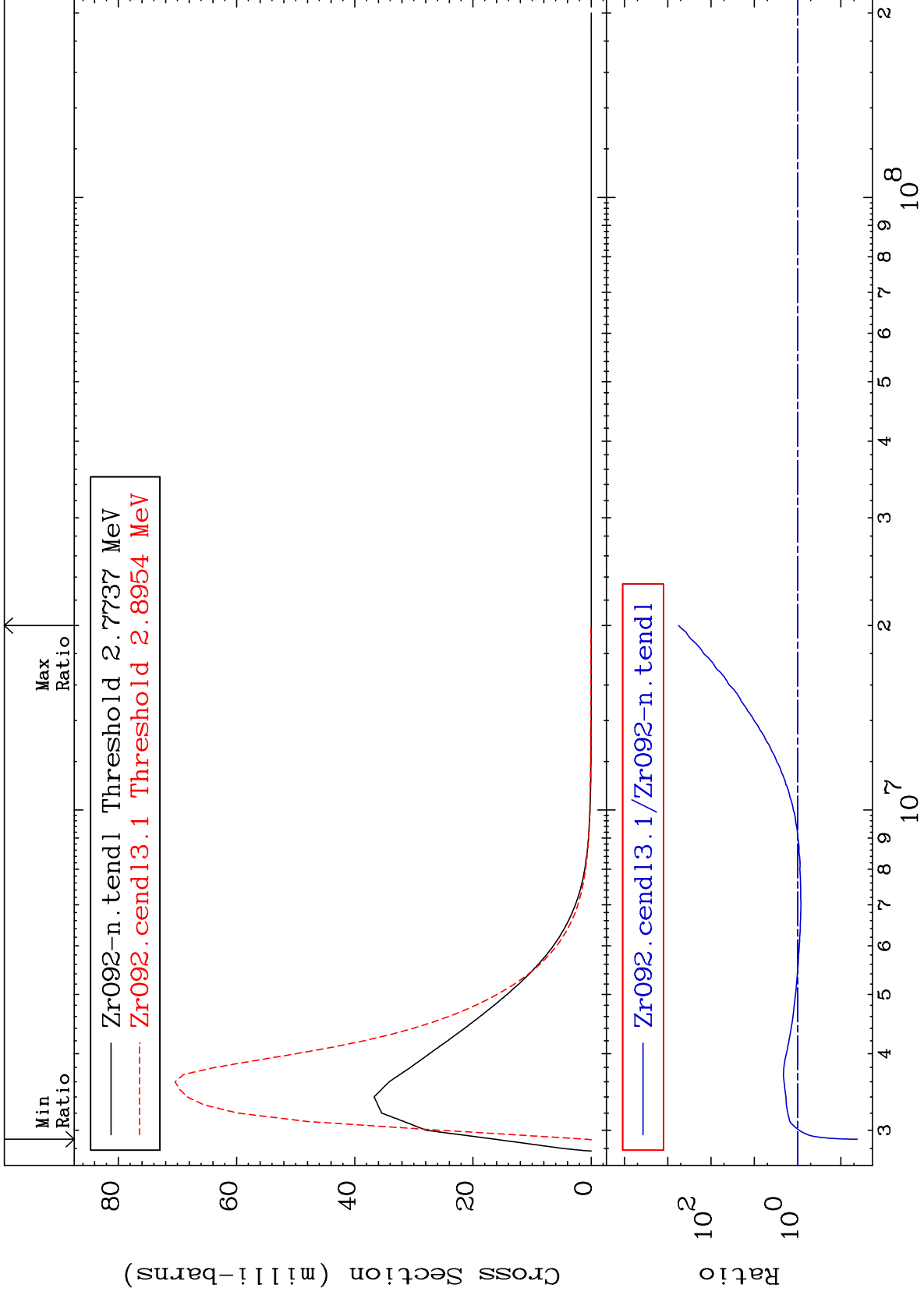
Incident Energy (eV)

40-Zr-92

MAT 4031

2.744 MeV (n,n') Level
Cross Section

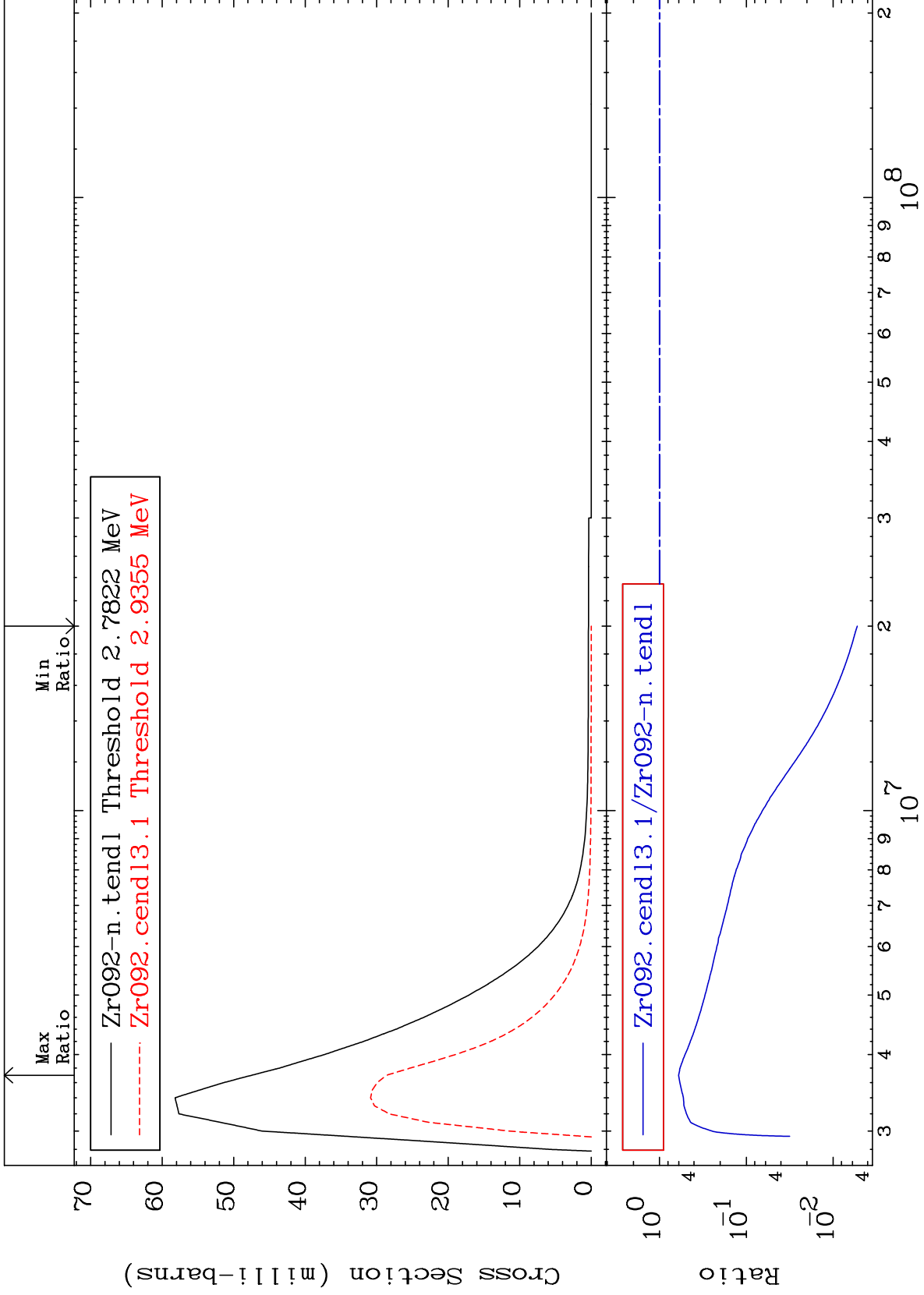
40-Zr-92
-95.82 To 9999. %



MAT 4031

2.752 MeV (n,n') Level
Cross Section

40-Zr-92
-99.47 To -39.76%



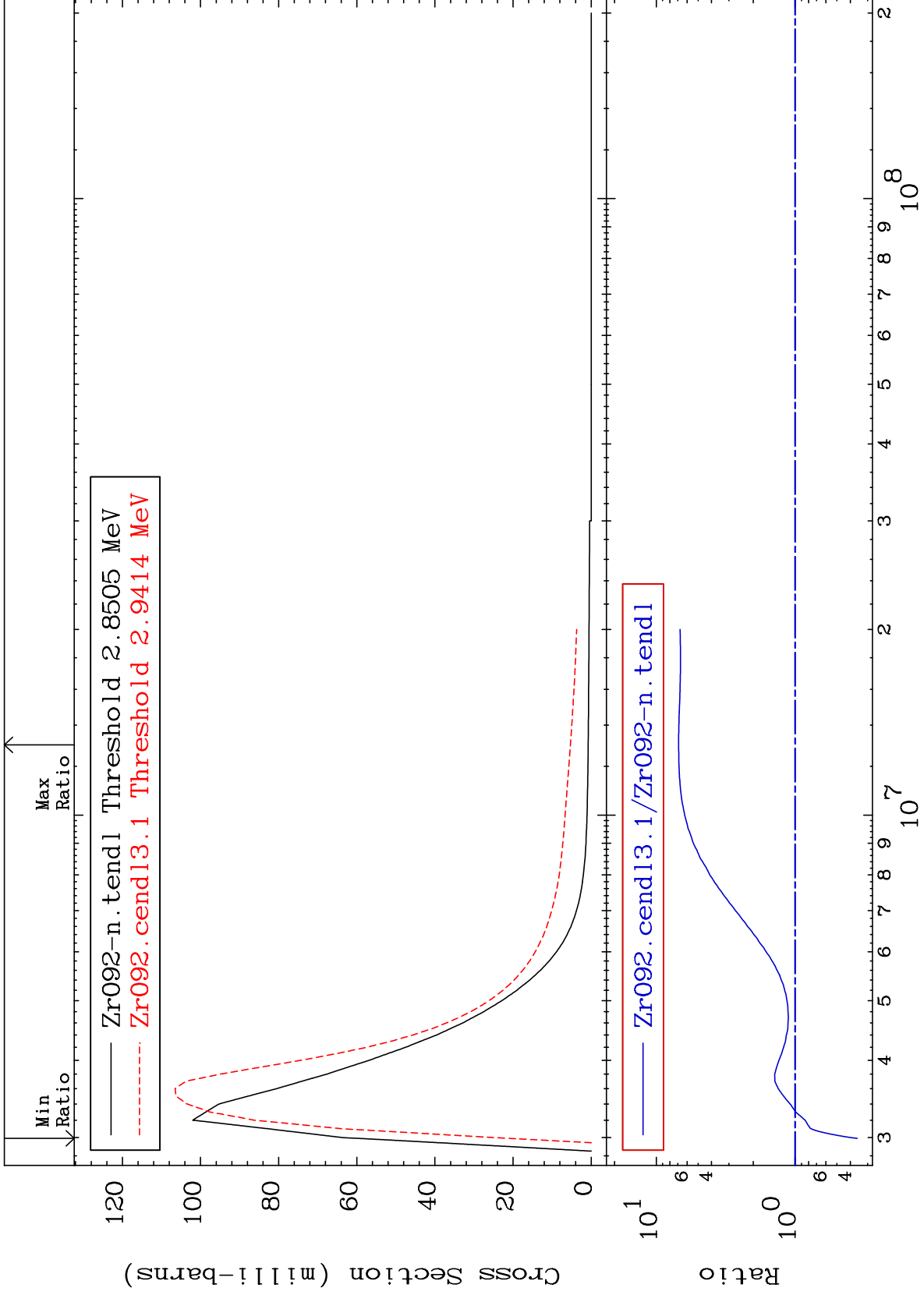
20

40-Zr-92

MAT 4031

2.820 MeV (n,n') Level
Cross Section

40-Zr-92
-64.36 To 590.6 %



21

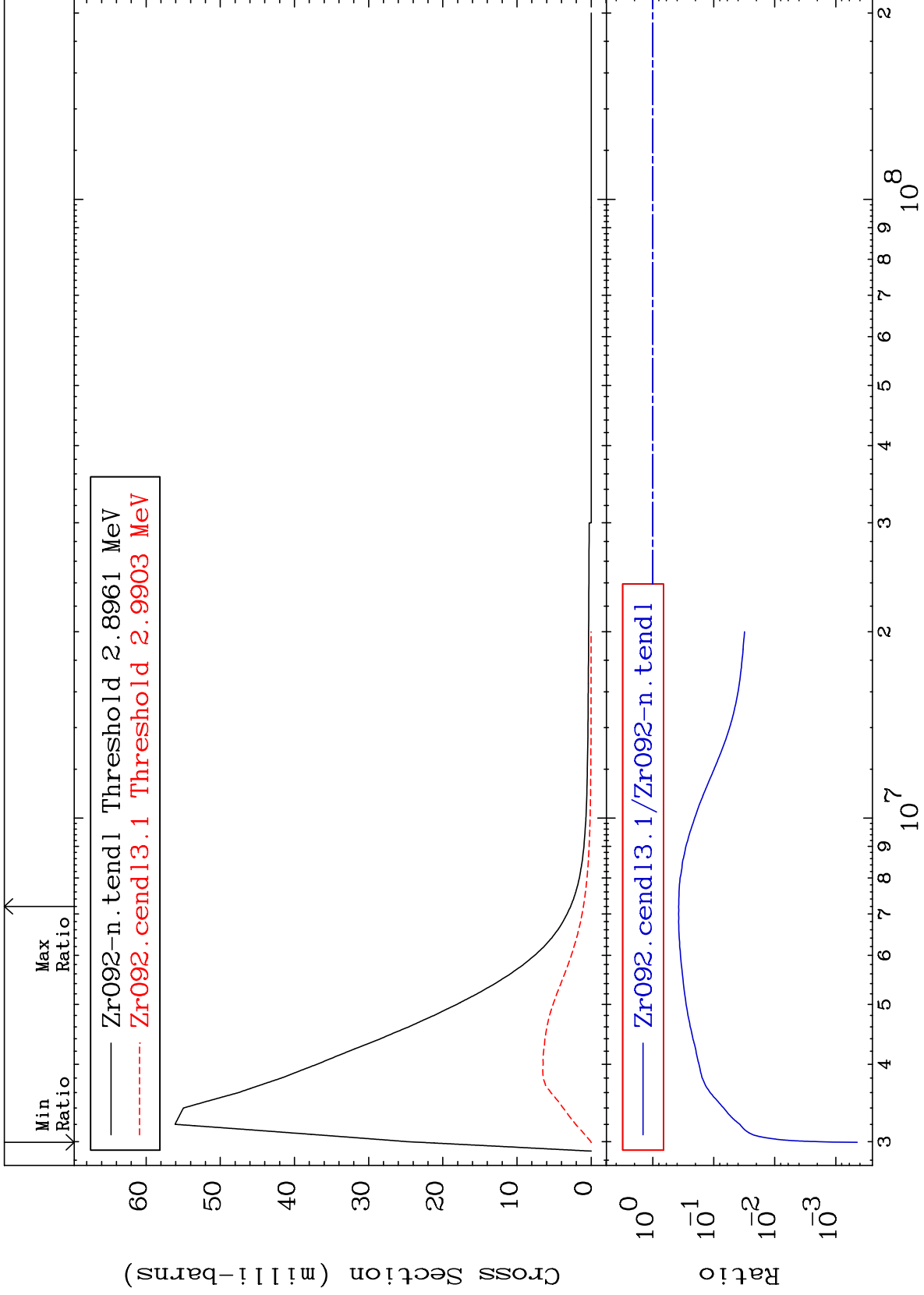
Incident Energy (eV)

40-Zr-92

MAT 4031

2.865 MeV (n,n') Level
Cross Section

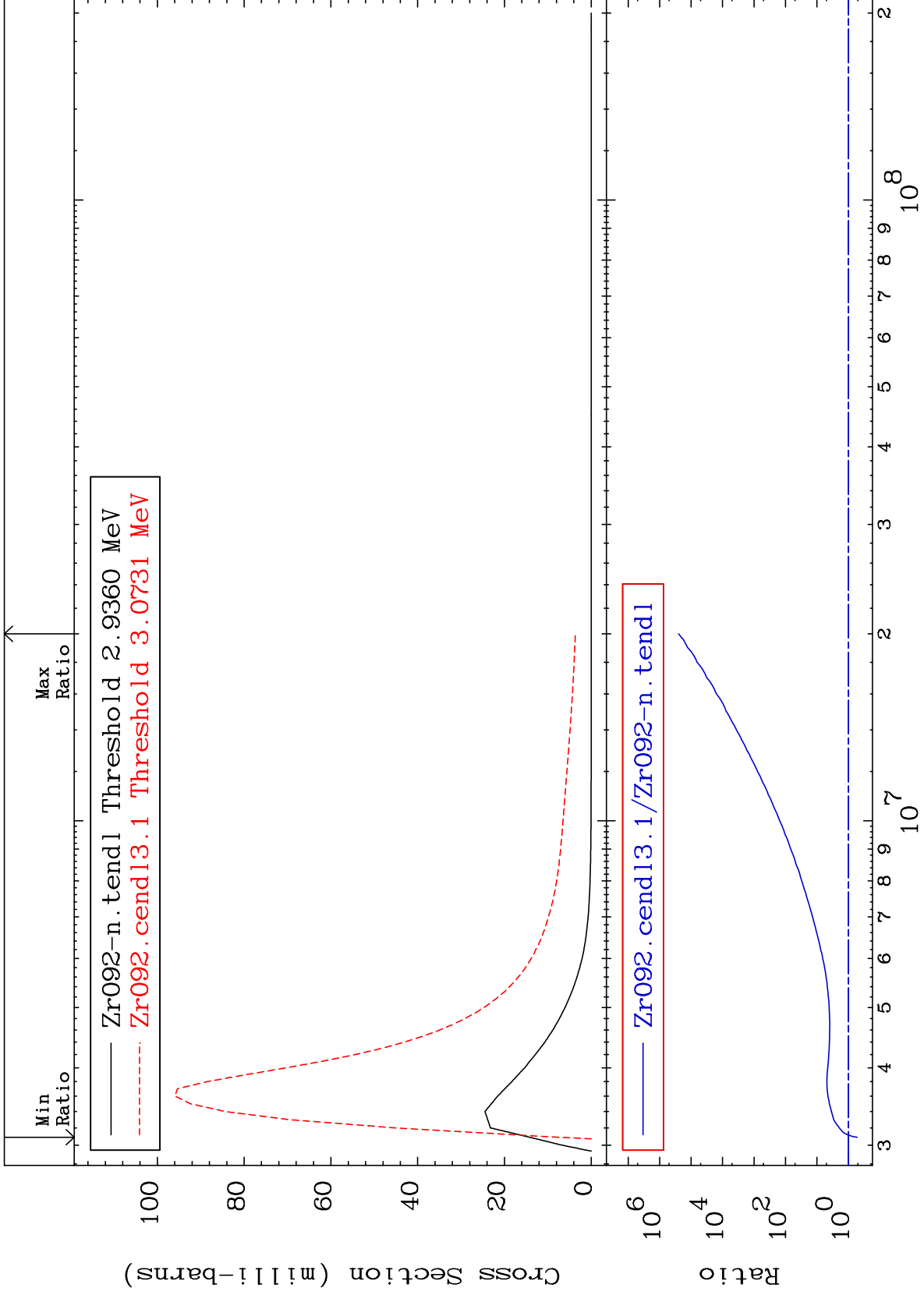
40-Zr-92
-99.96 To -62.26%



MAT 4031

2.904 MeV (n,n') Level
Cross Section

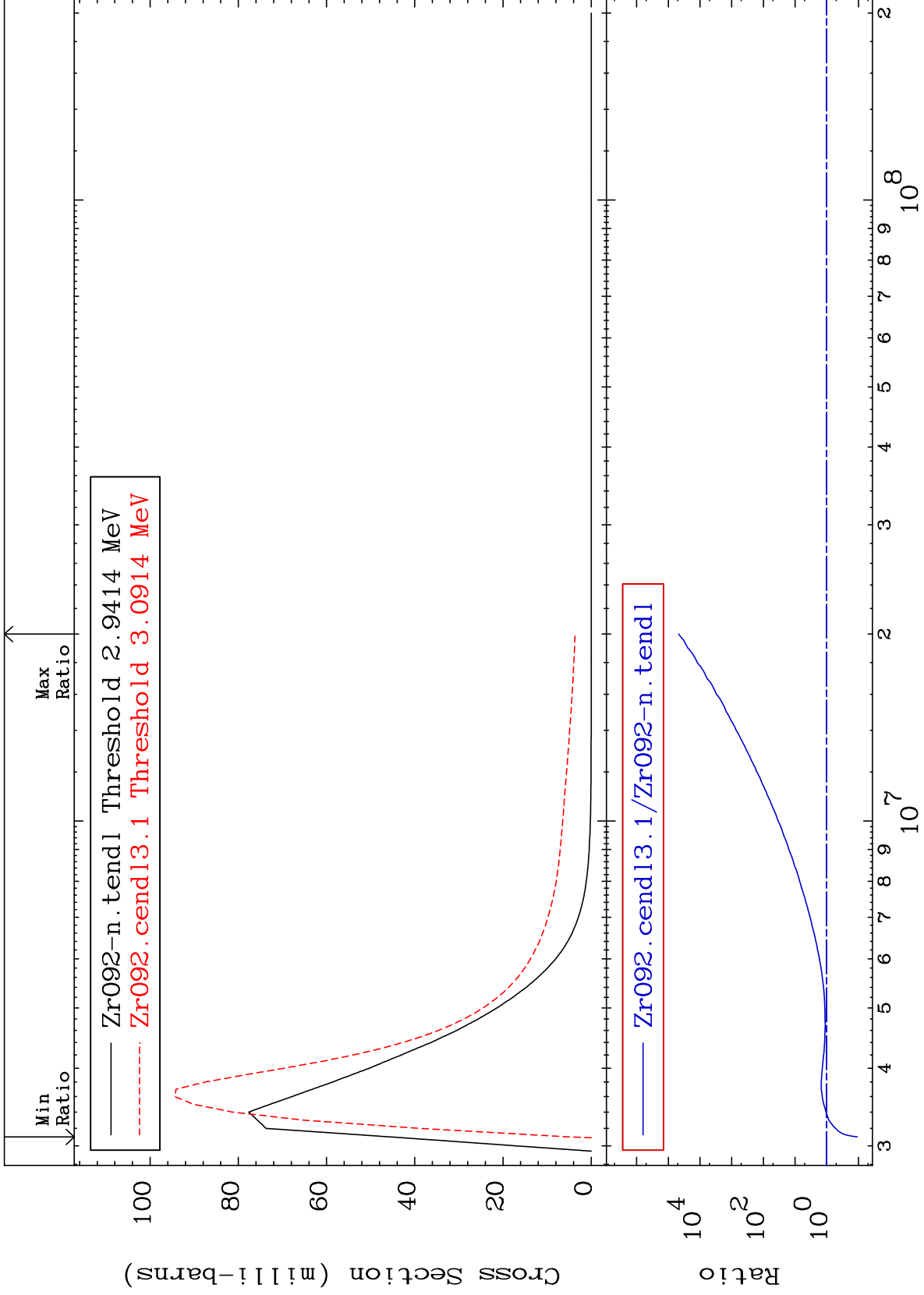
40-Zr-92
-47.61 To 9999. %



MAT 4031

2.909 MeV (n,n') Level
Cross Section

40-Zr-92
-89.10 To 9999. %



24

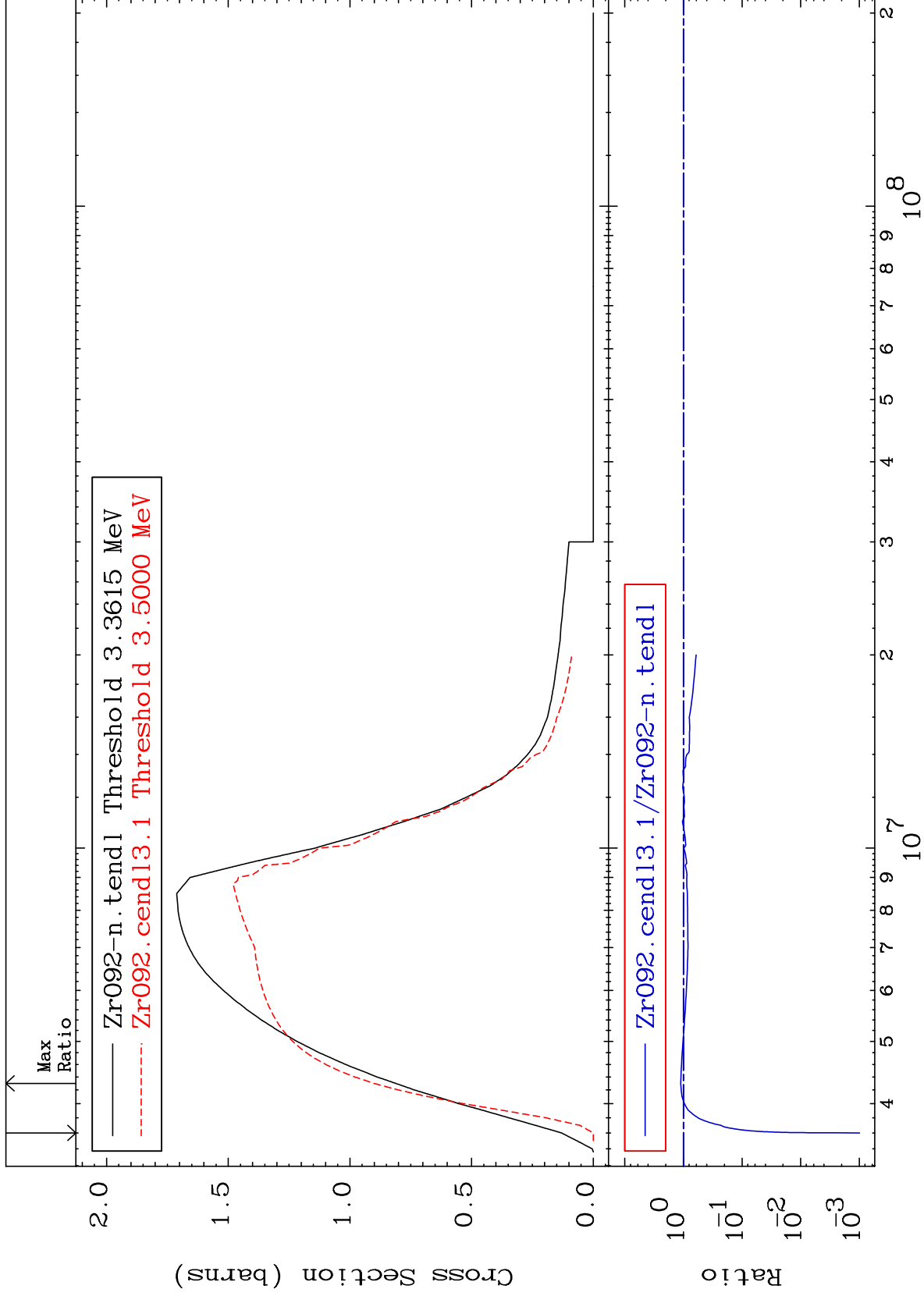
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') Continuum
Cross Section

40-Zr-92
-99.90 To 11.02 %



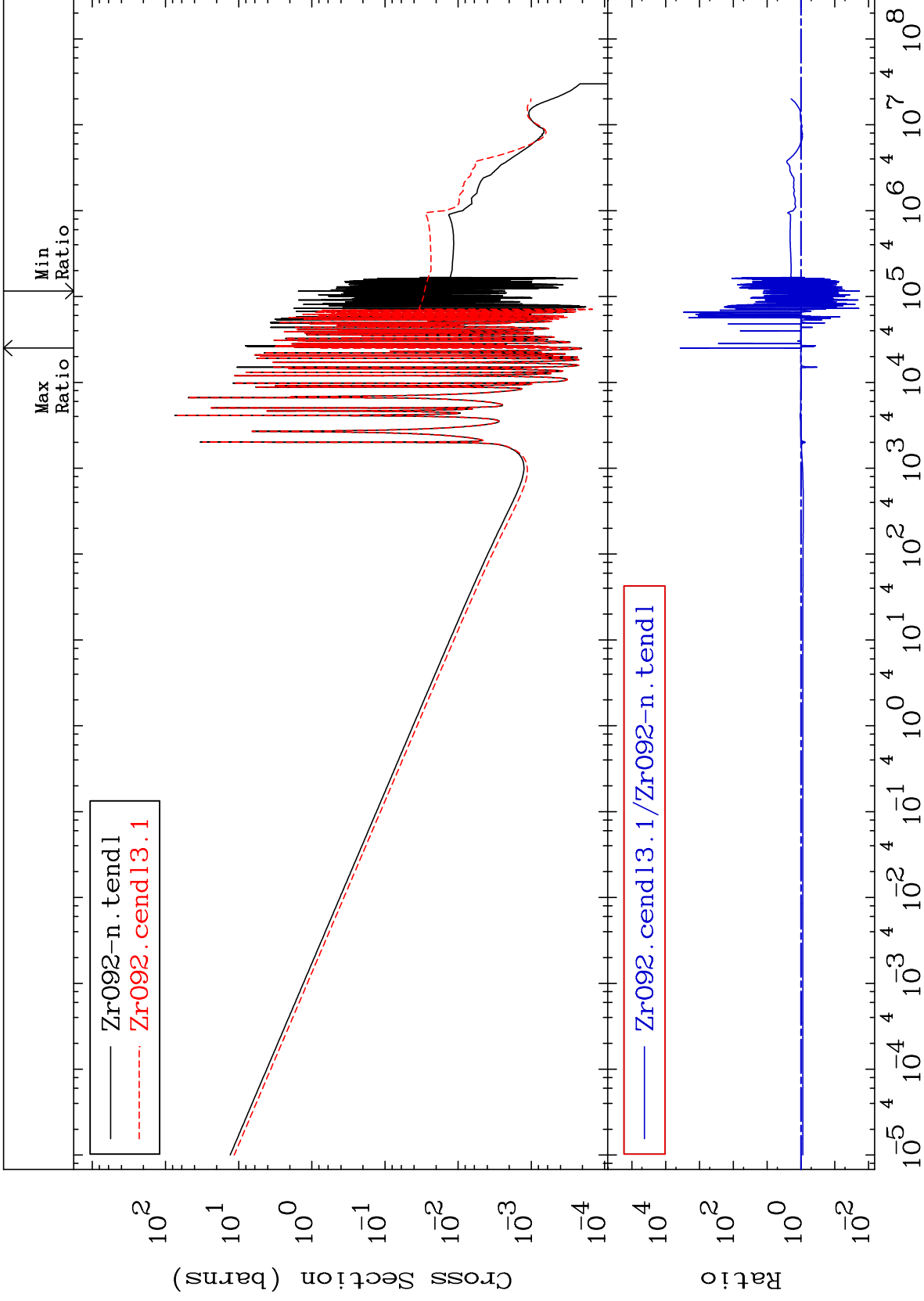
MAT 4031

(n, γ)

Cross Section

40-Zr-92

-98.12 To 9999. %



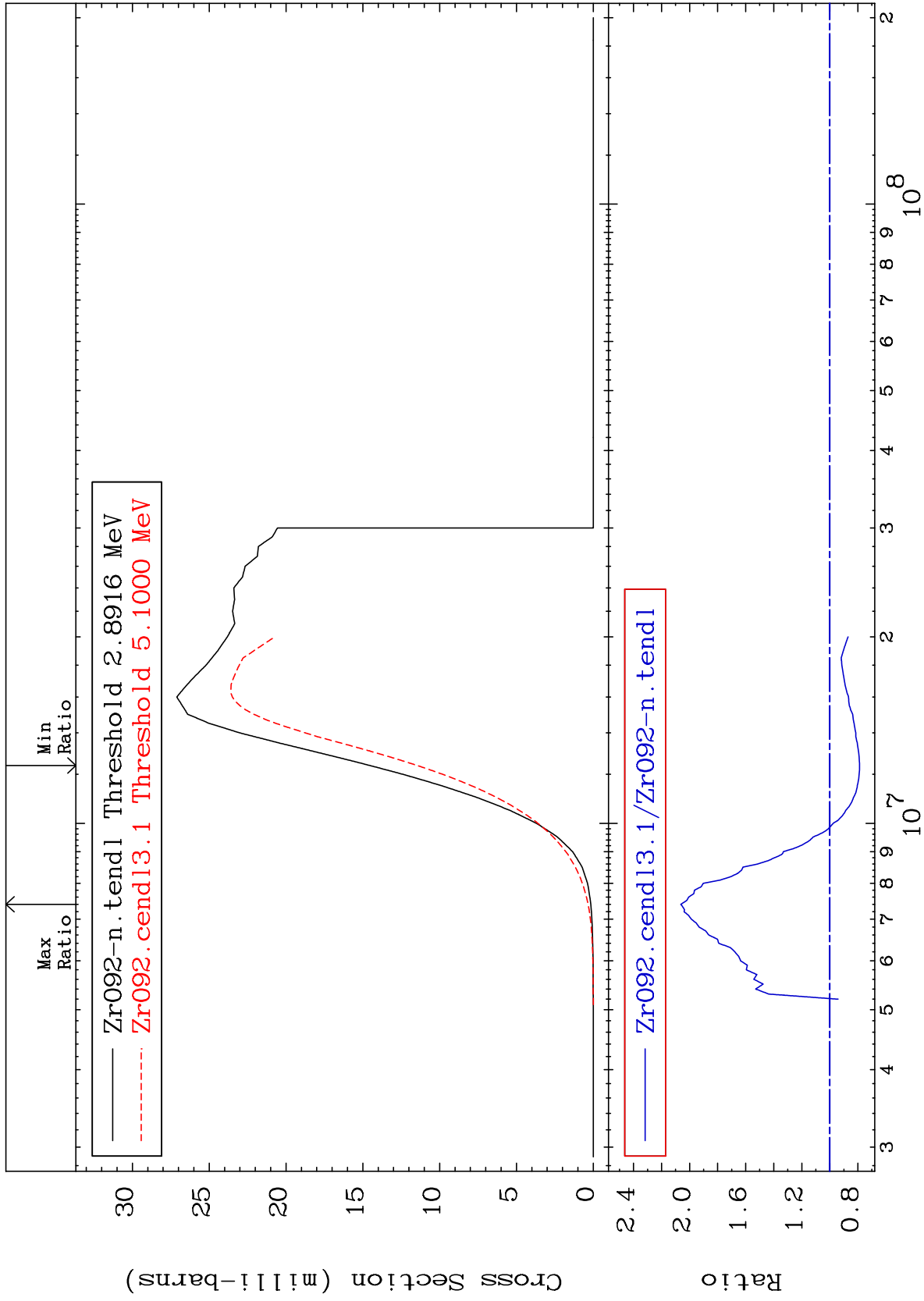
MAT 4031

(n, p)

40-Zr-92

Cross Section

-21.21 To 106.3 %



27

40-Zr-92

40-Zr-92

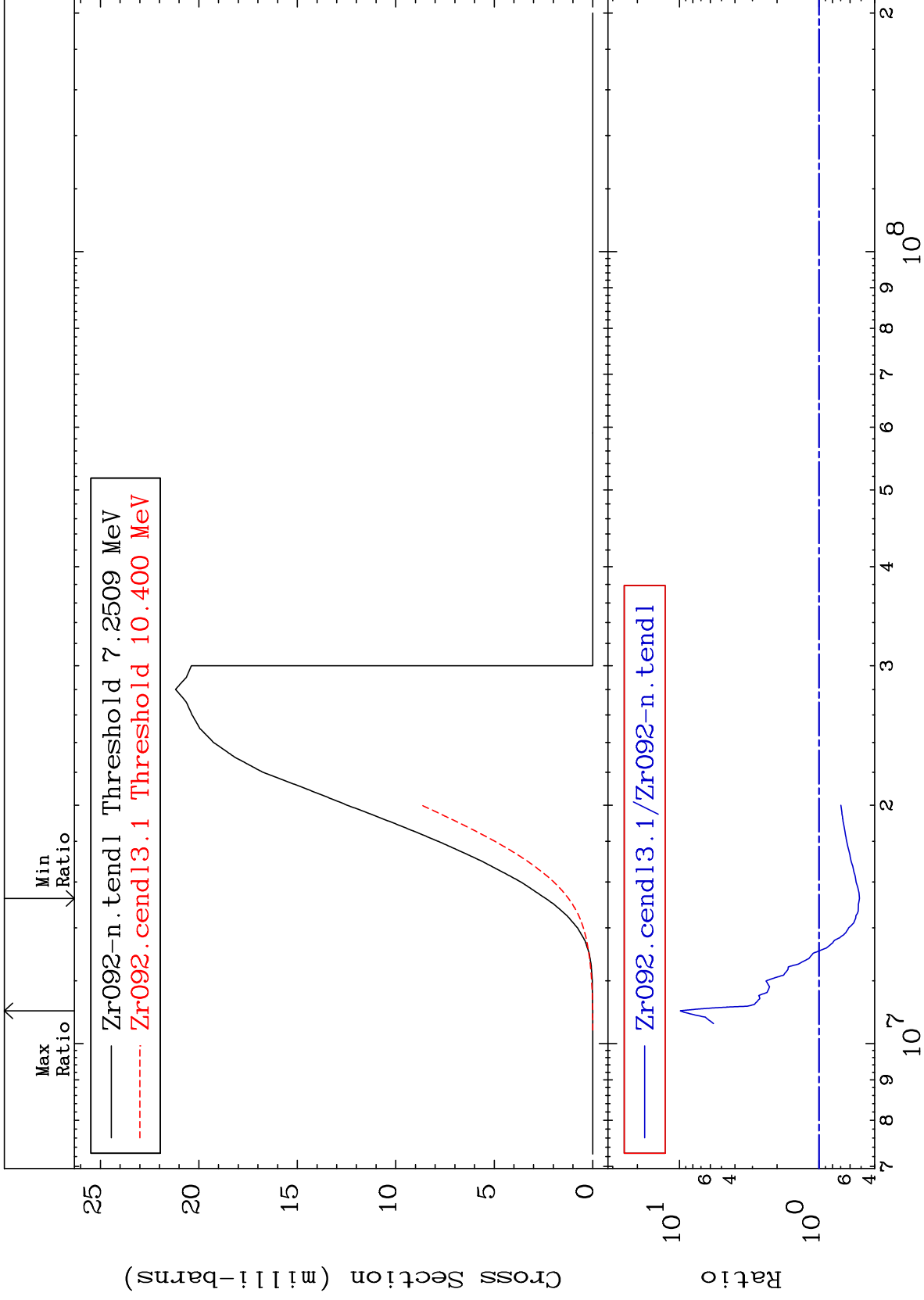
MAT 4031

(n, d)

40-Zr-92

Cross Section

-48.63 To 884.0 %



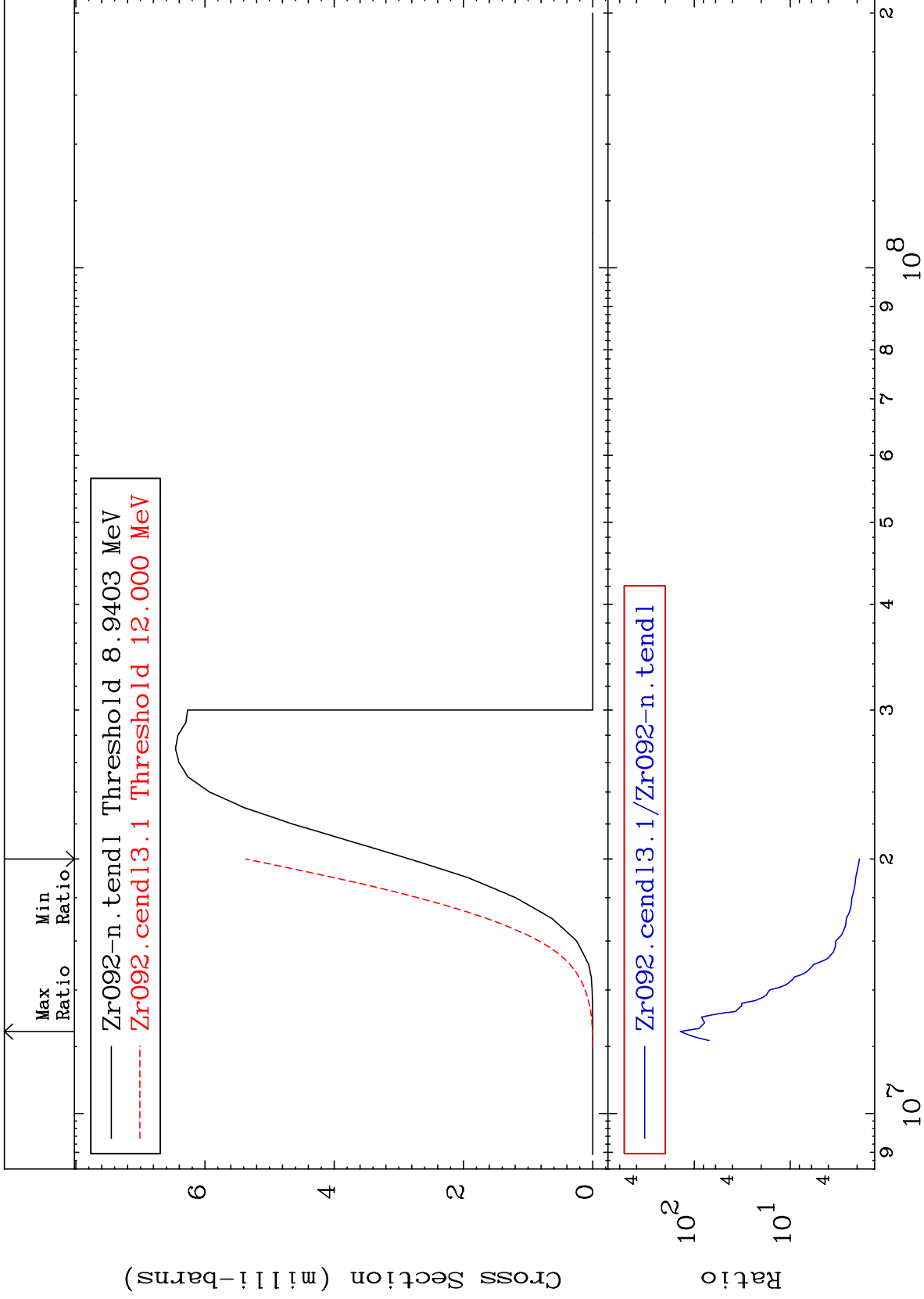
MAT 4031

(n, t)

40-Zr-92

Cross Section

89.18 To 9999. %



29

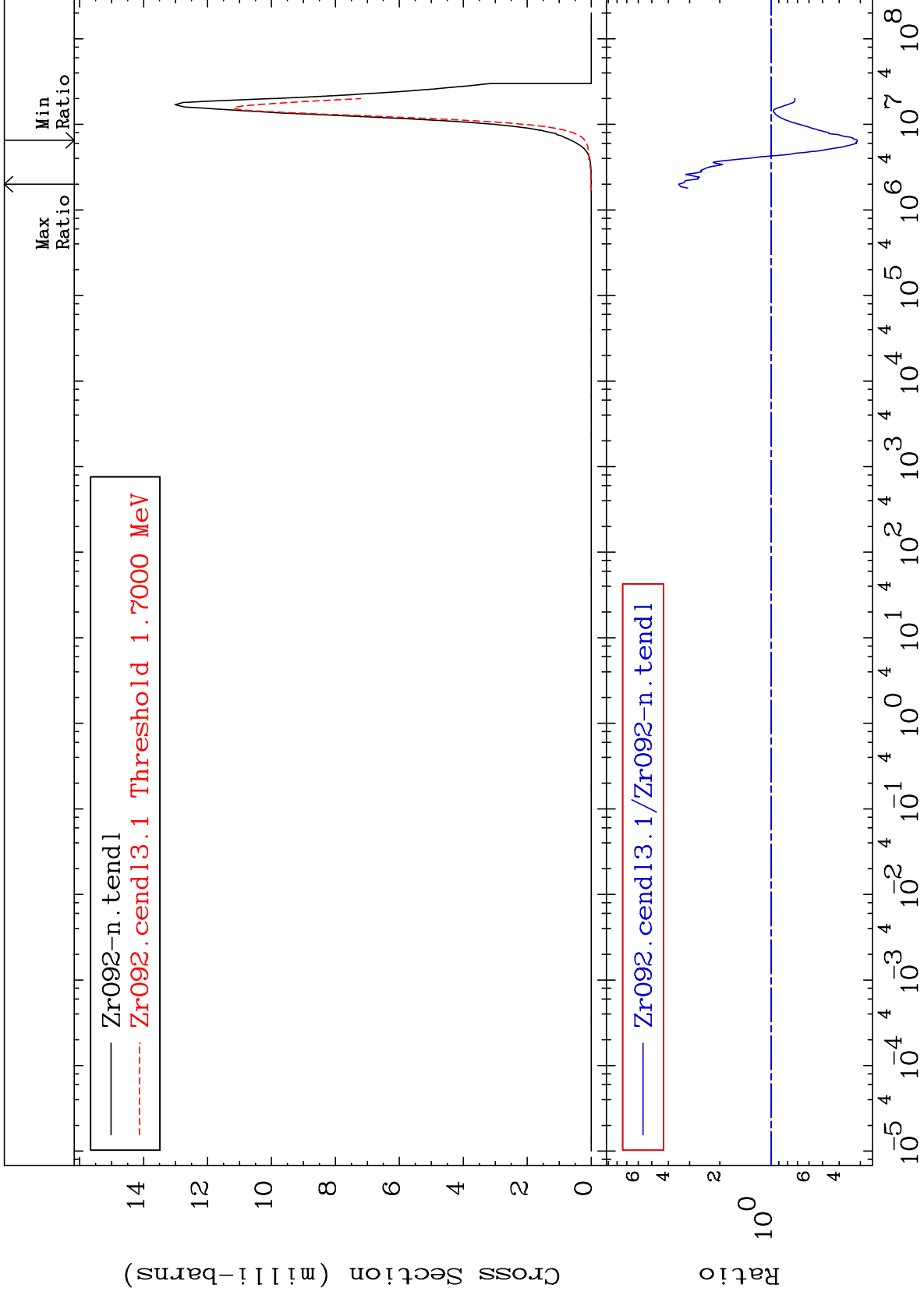
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, α)
Cross Section

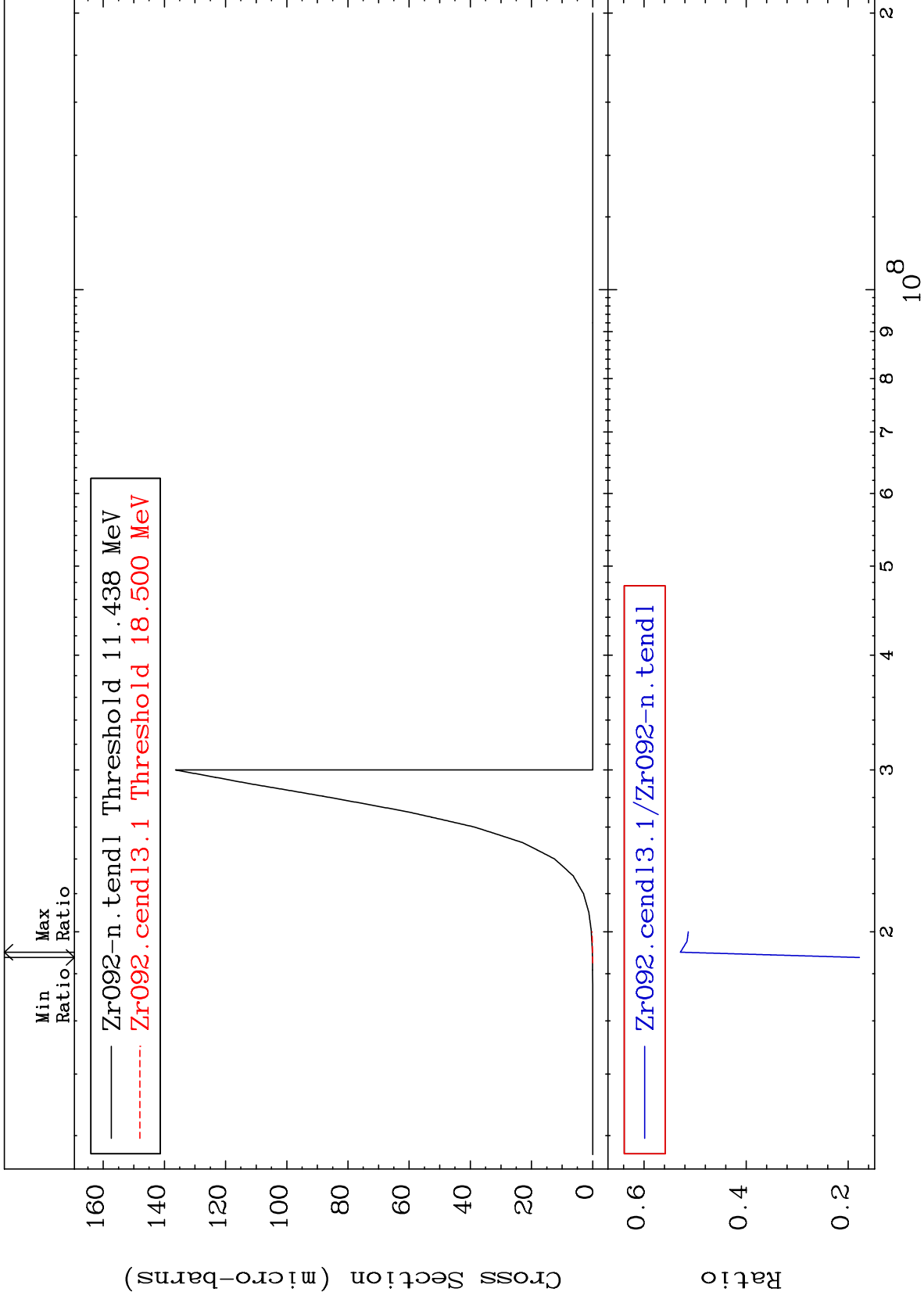
40-Zr-92
-68.71 To 248.2 %



Incident Energy (eV)

40-Zr-92

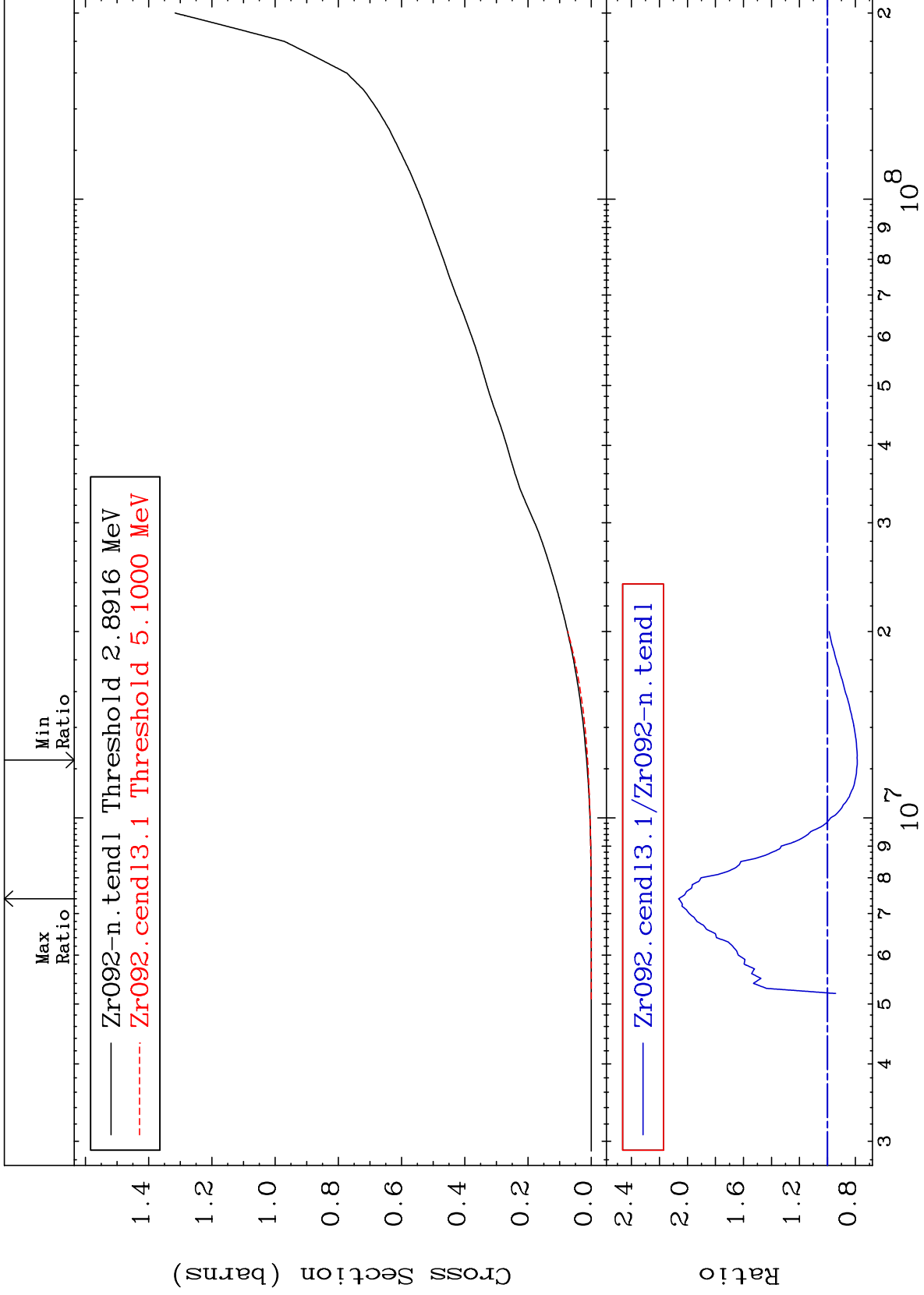
30



MAT 4031

Hydrogen Production
Cross Section

40-Zr-92
-21.29 To 106.3 %



32

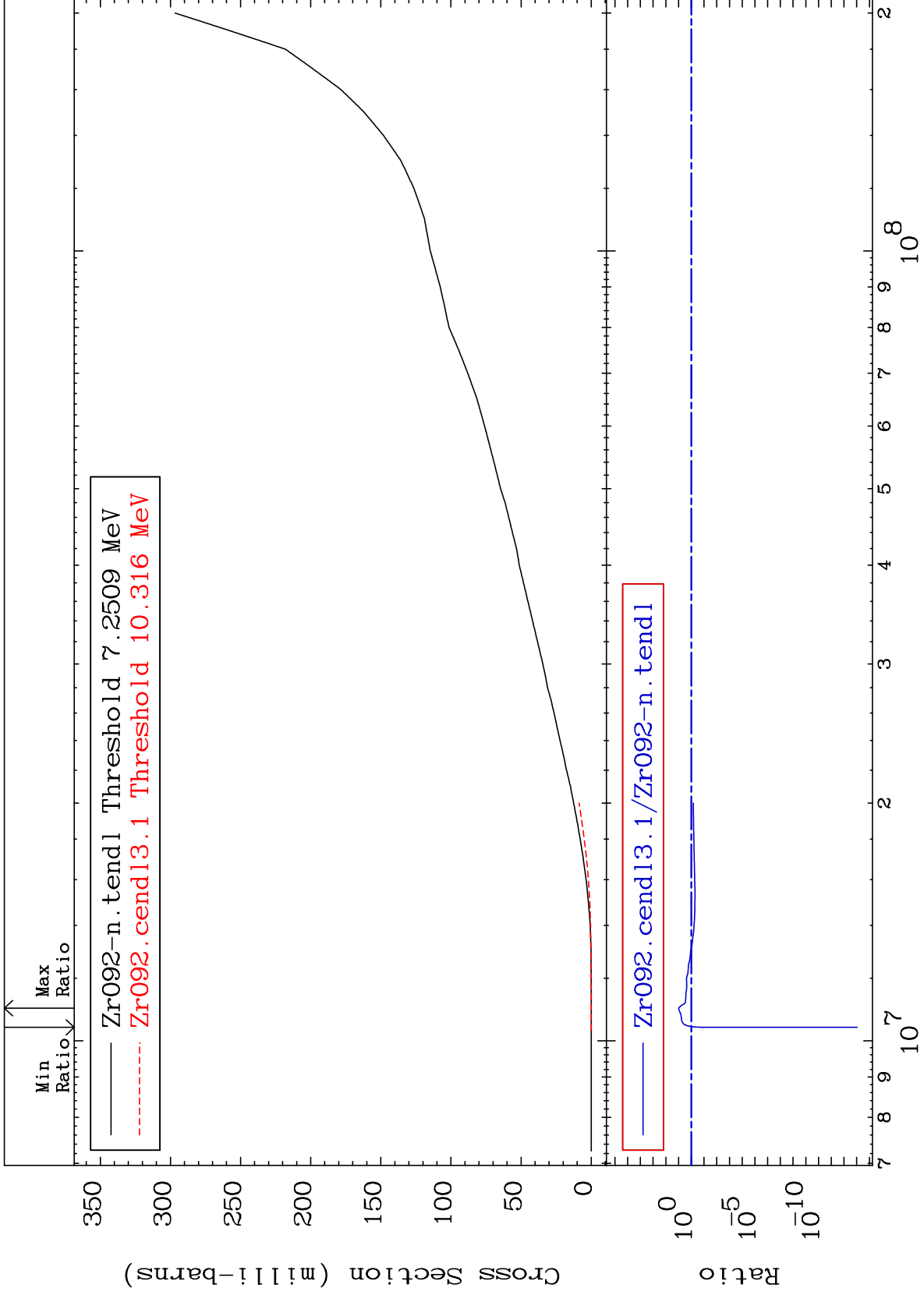
Incident Energy (eV)

40-Zr-92

MAT 4031

Deuterium Production
Cross Section

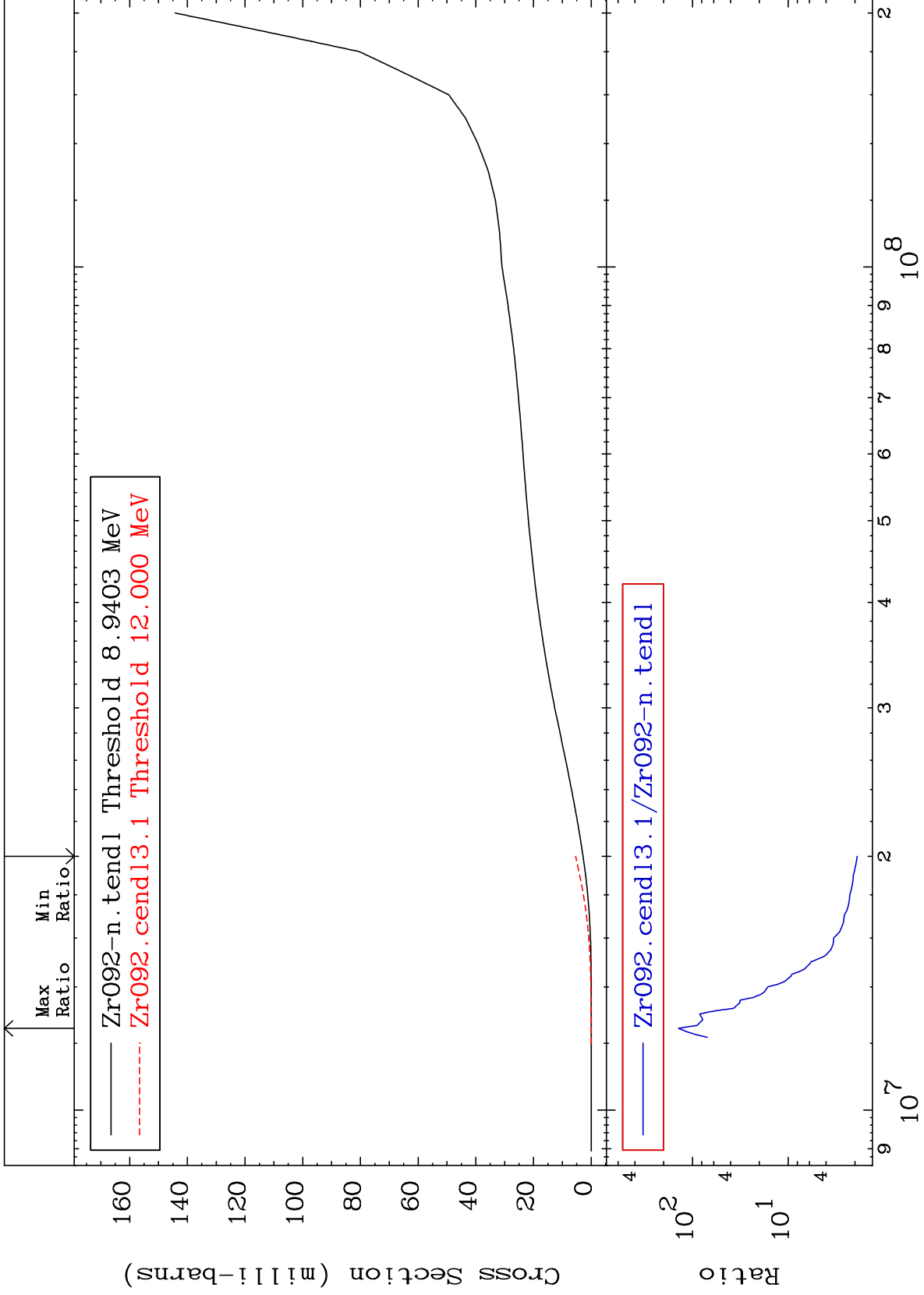
40-Zr-92
-100.0 To 884.0 %



MAT 4031

Tritium Production
Cross Section

40-Zr-92
89.12 To 9999. %



34

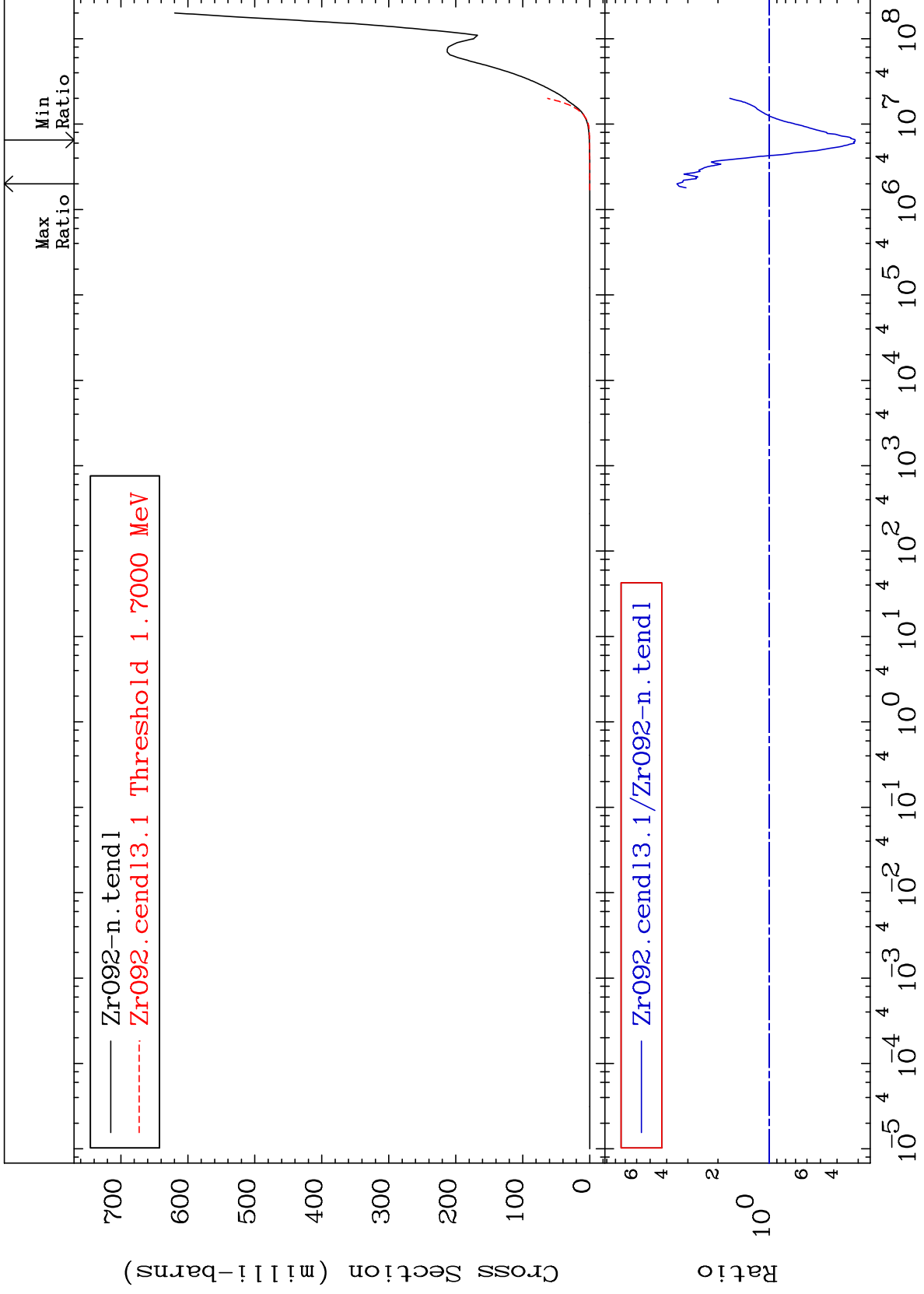
Incident Energy (eV)

40-Zr-92

MAT 4031

He-4 Production
Cross Section

40-Zr-92
-68.71 To 248.2 %



35

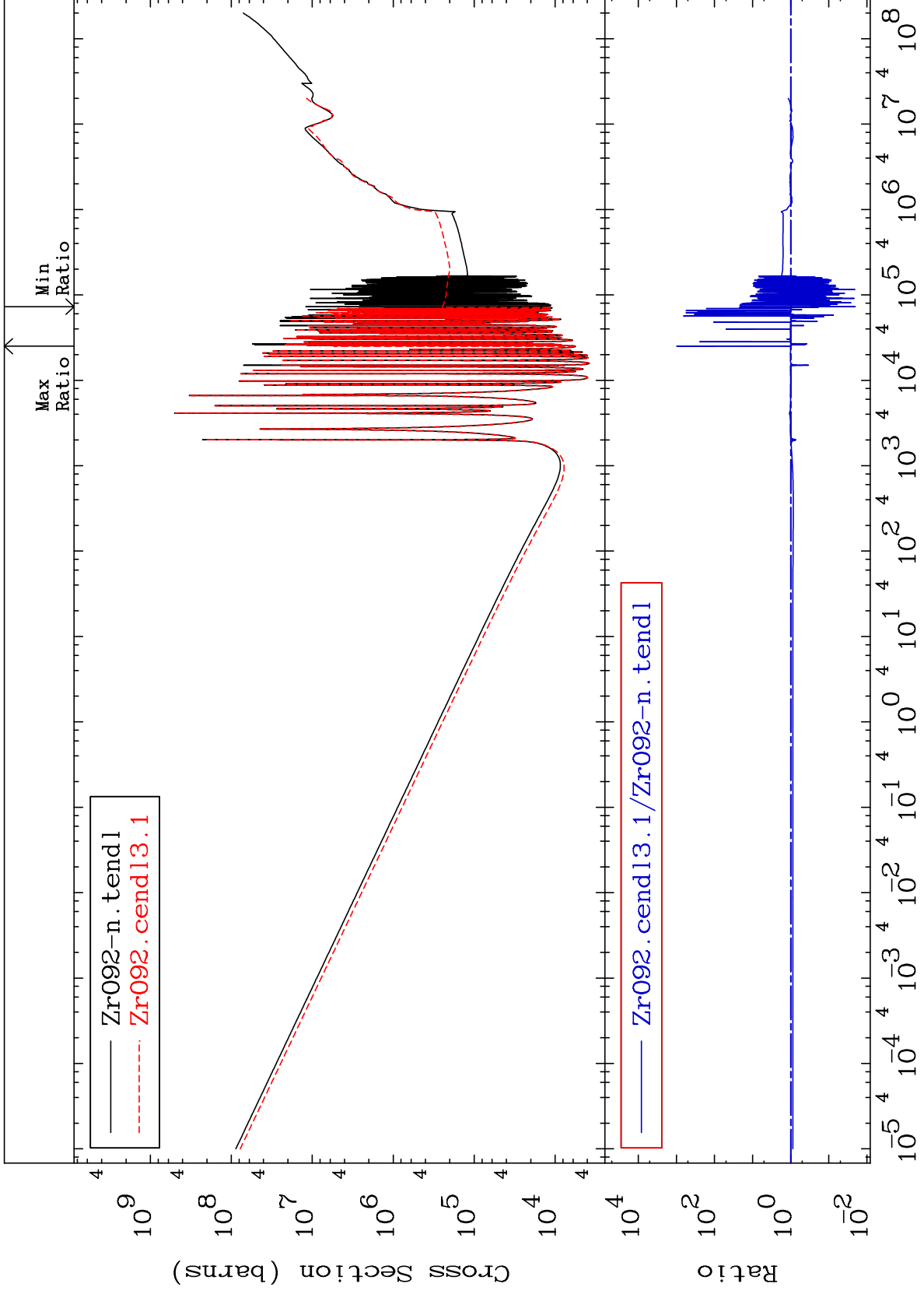
40-Zr-92

40-Zr-92

MAT 4031

Kerma total (eV-barns)
Cross Section

40-Zr-92
-97.96 To 9999. %



36

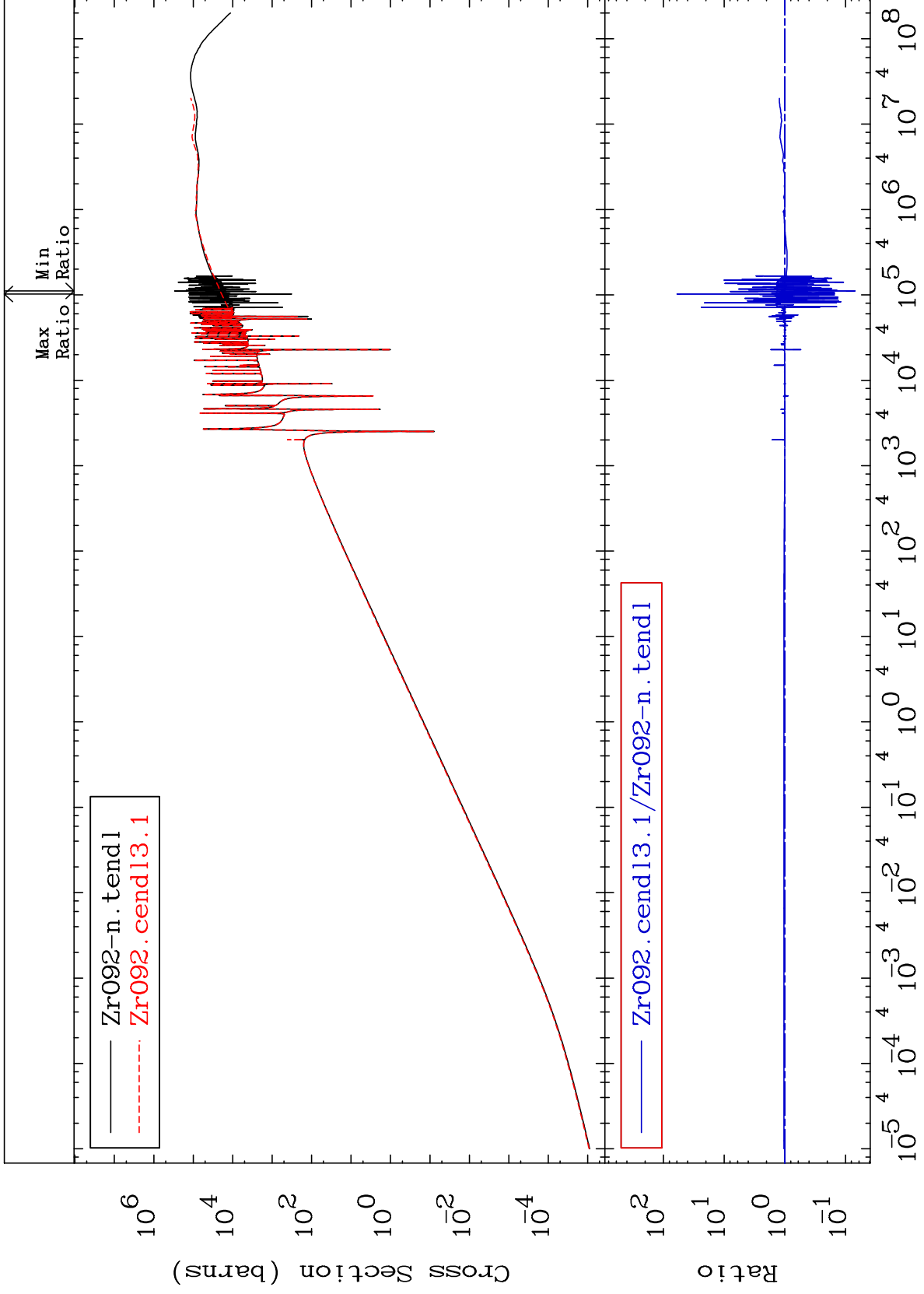
Incident Energy (eV)

40-Zr-92

MAT 4031

Kerma elastic
Cross Section

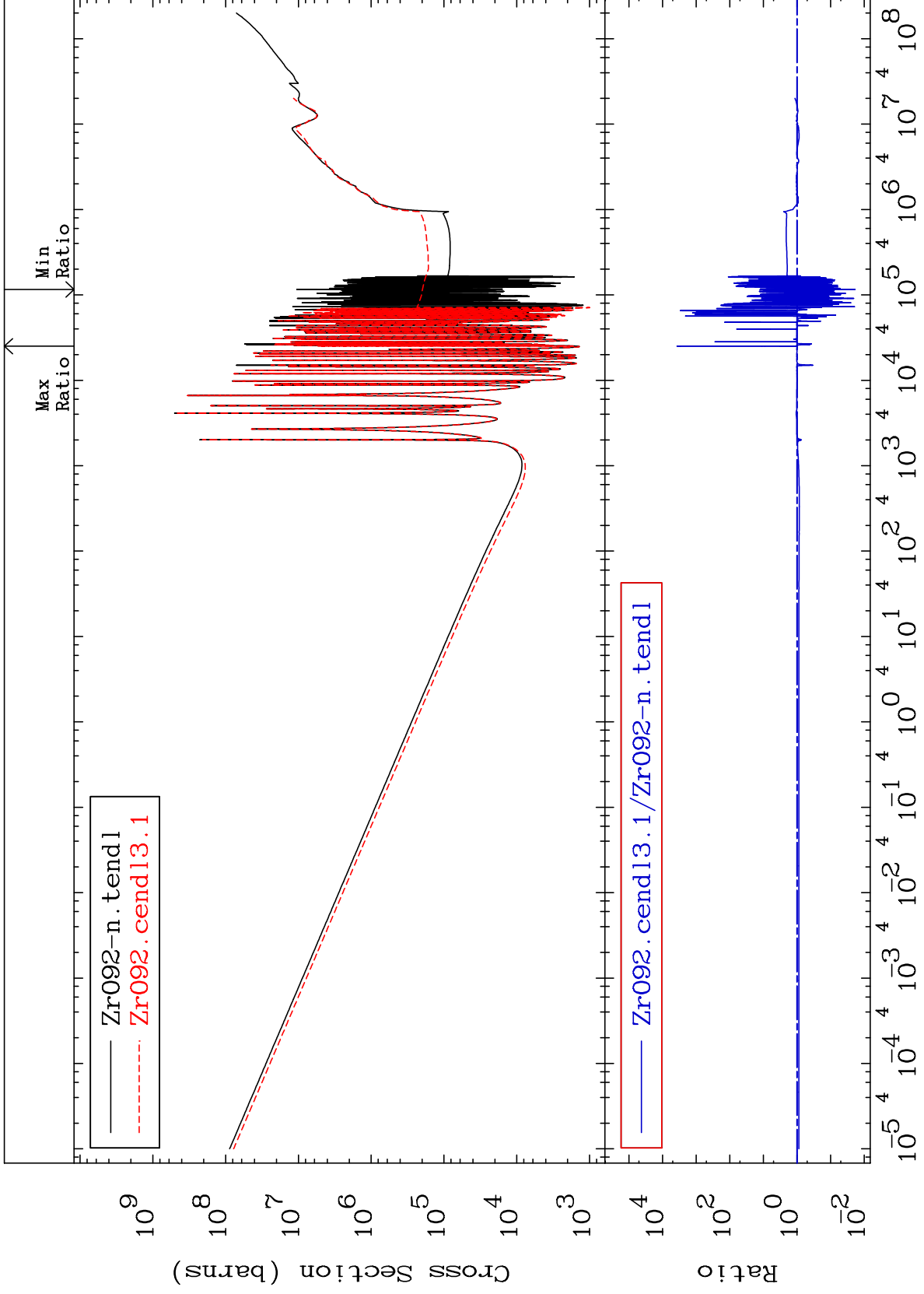
40-Zr-92
-93.04 To 5896. %



MAT 4031

Kerma non-elastic (all but mt2)
Cross Section

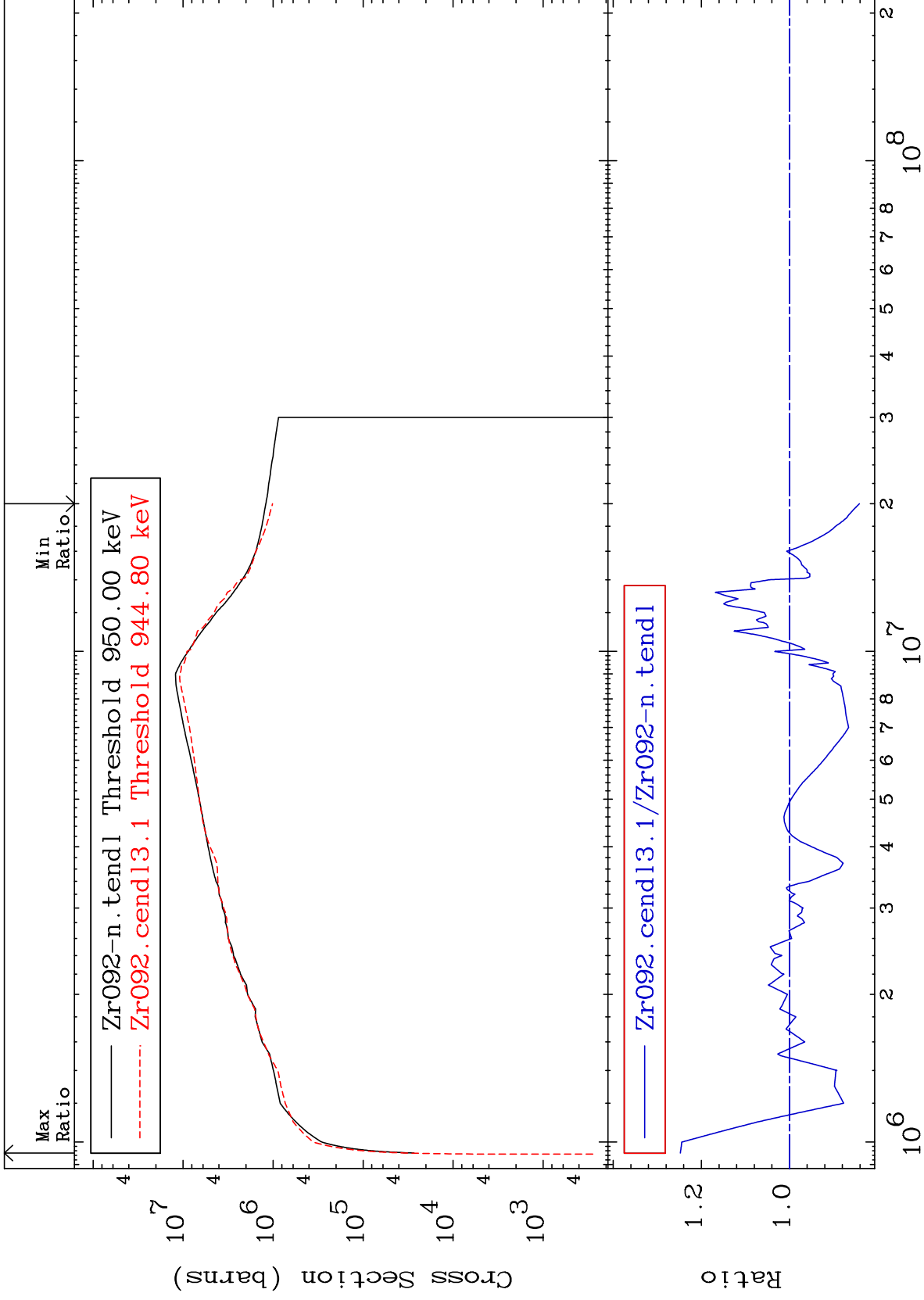
40-Zr-92
-98.12 To 9999. %



MAT 4031

Kerma inelastic (mt51-91)
Cross Section

40-Zr-92
-15.86 To 24.77 %



39

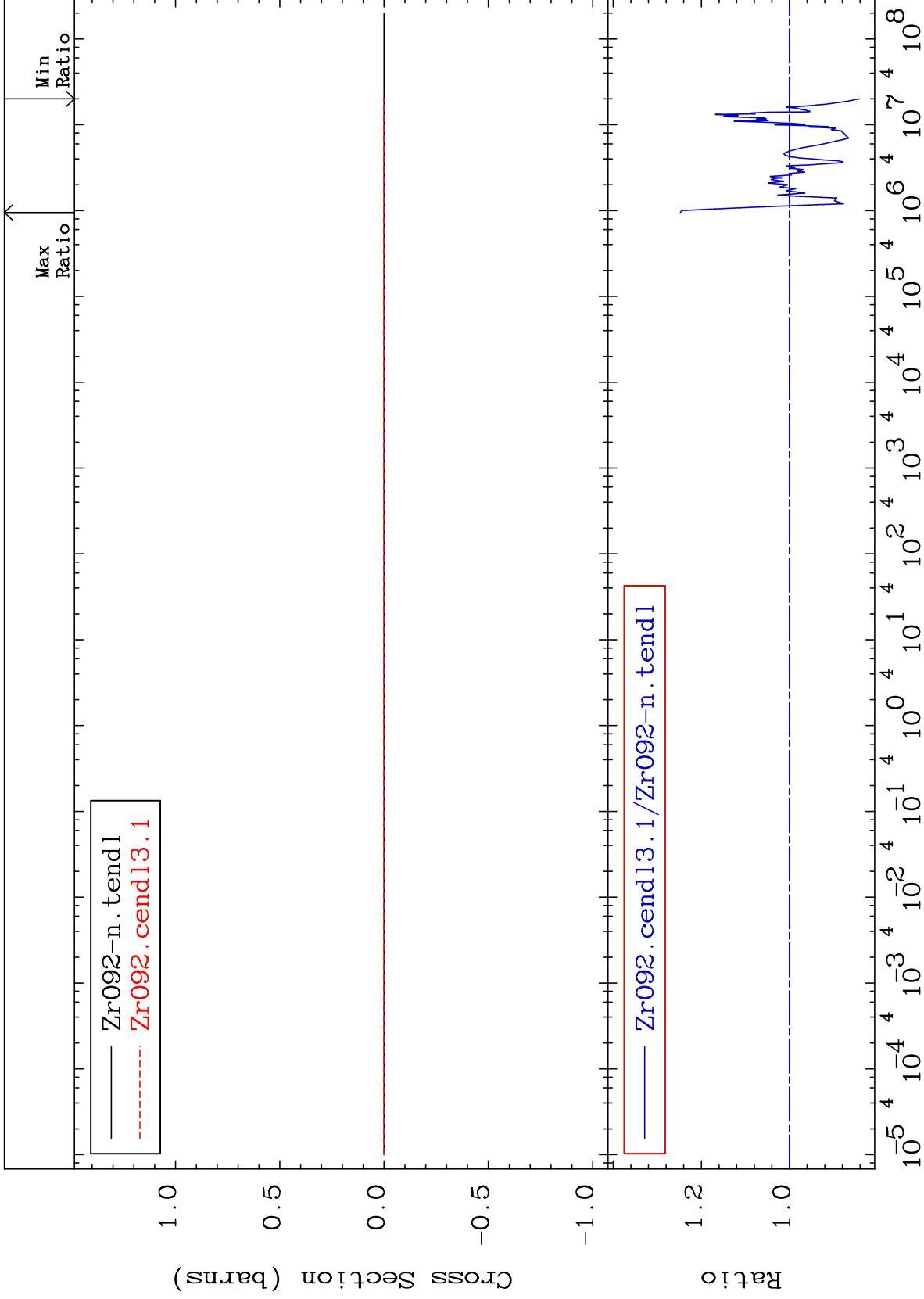
40-Zr-92

40-Zr-92

MAT 4031

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

40-Zr-92
-15.86 To 24.77 %



40

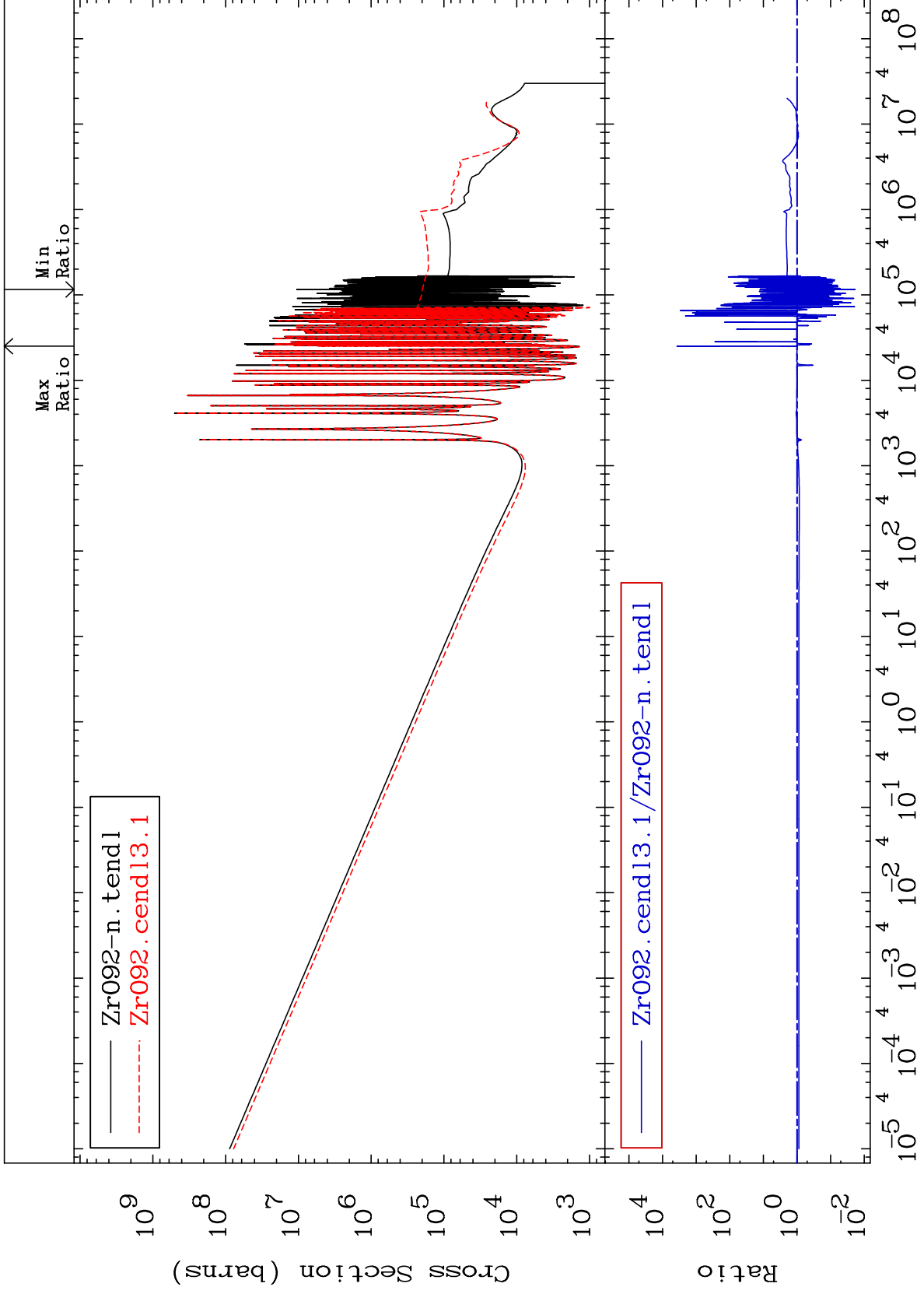
Incident Energy (eV)

40-Zr-92

MAT 4031

Kerma capture (mt102)
Cross Section

40-Zr-92
-98.12 To 9999. %



41

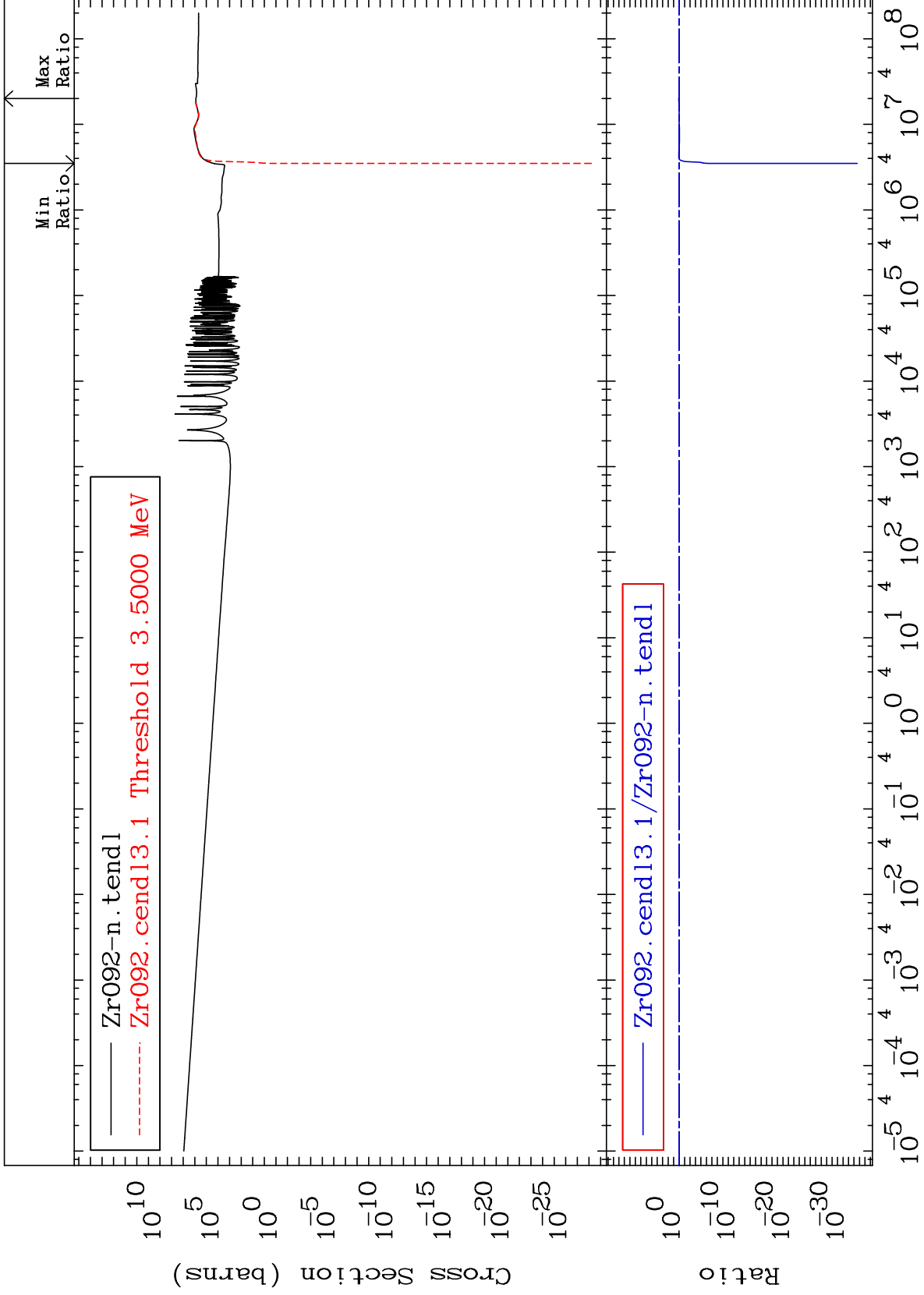
Incident Energy (eV)

40-Zr-92

MAT 4031

Total photon (eV-barns)
Cross Section

40-Zr-92
-100.0 To 20.11 %

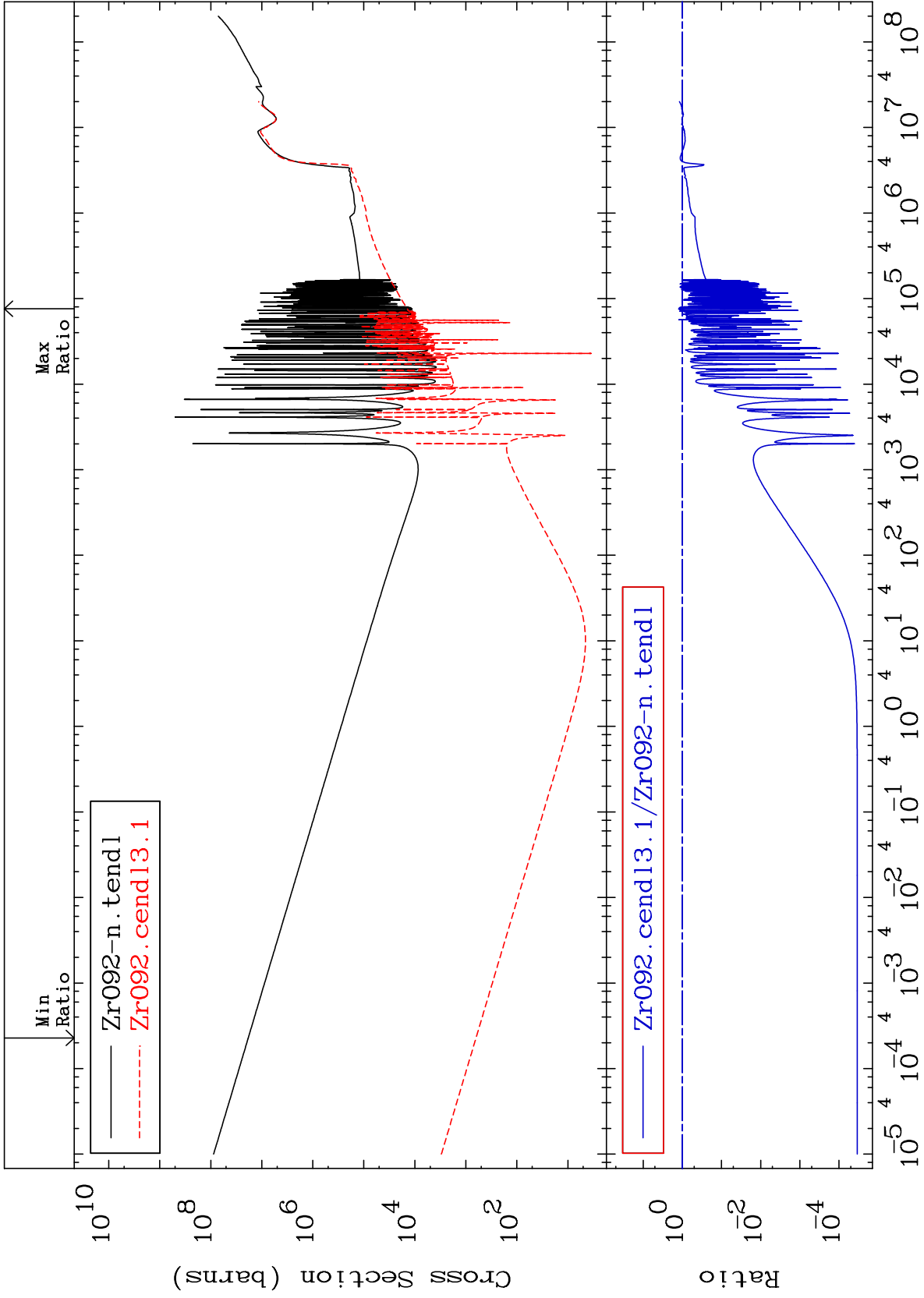


42

Incident Energy (eV)

40-Zr-92

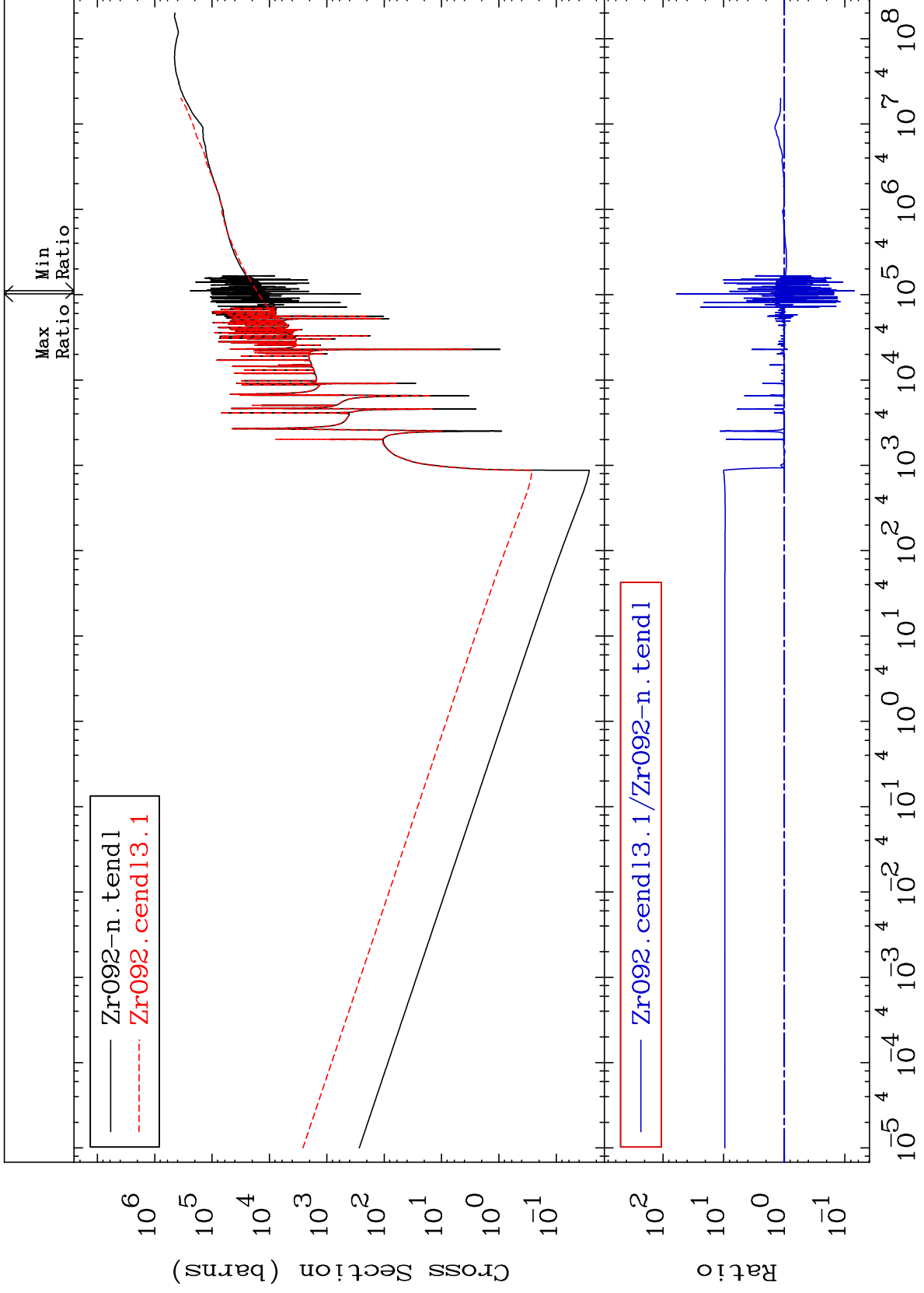
MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -100.0 To 24.28 %



MAT 4031

Dpa total (eV-barns)
Cross Section

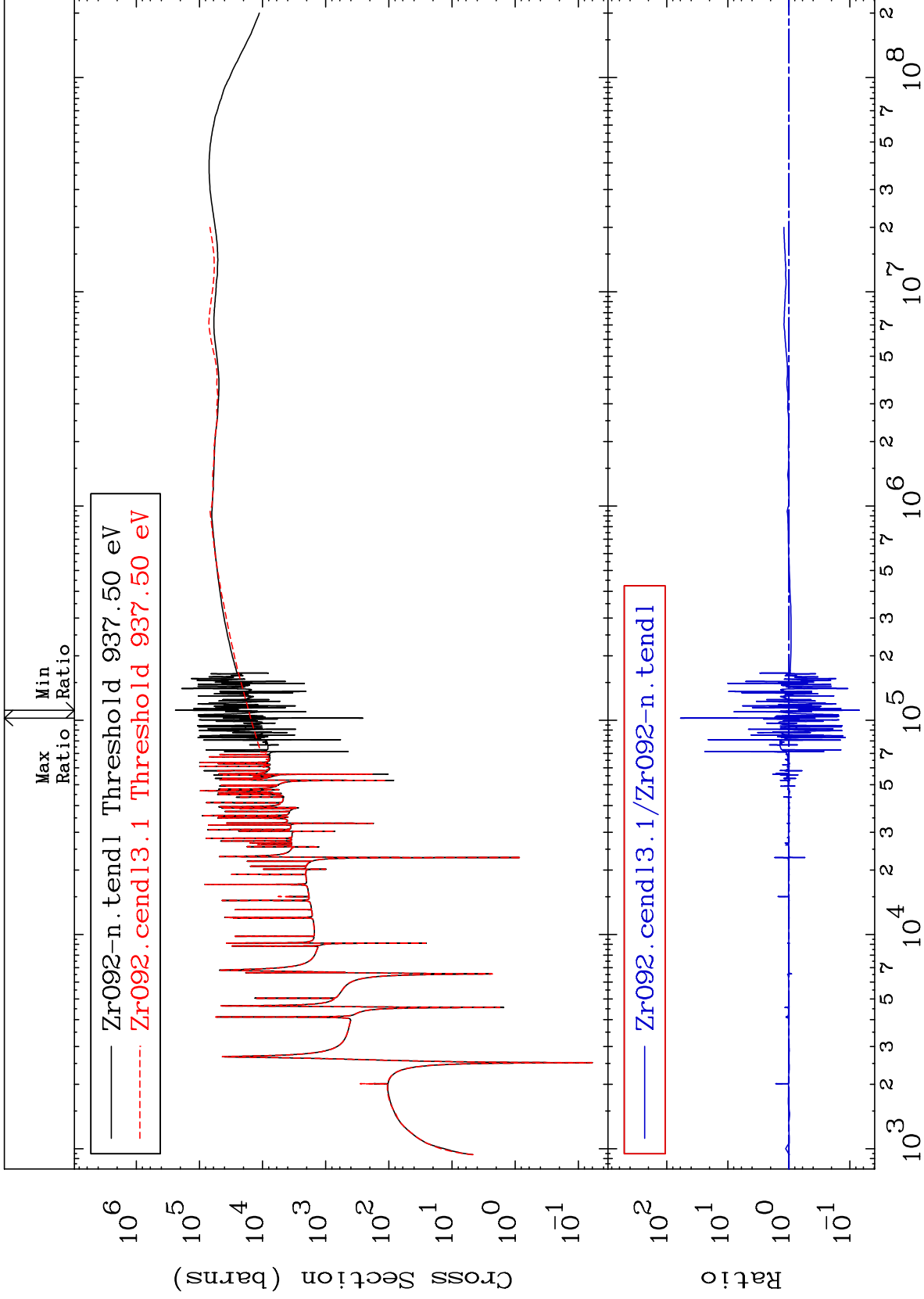
40-Zr-92
-93.01 To 5911. %



MAT 4031

Dpa elastic (mt2)
Cross Section

40-Zr-92
-93.03 To 5907. %



45

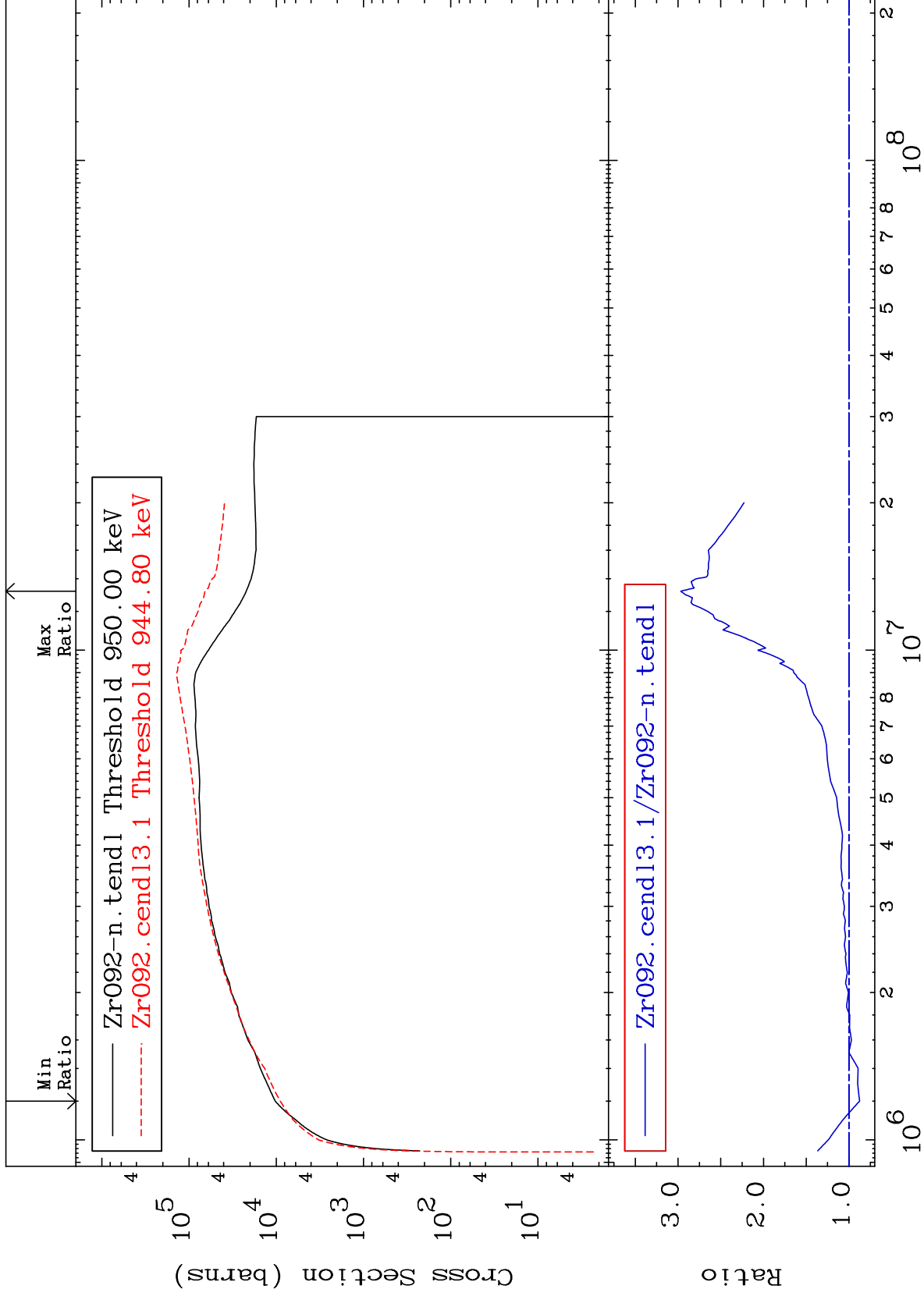
40-Zr-92

40-Zr-92

MAT 4031

Dpa inelastic (mt51-91)
Cross Section

40-Zr-92
-12.39 To 196.8 %



46

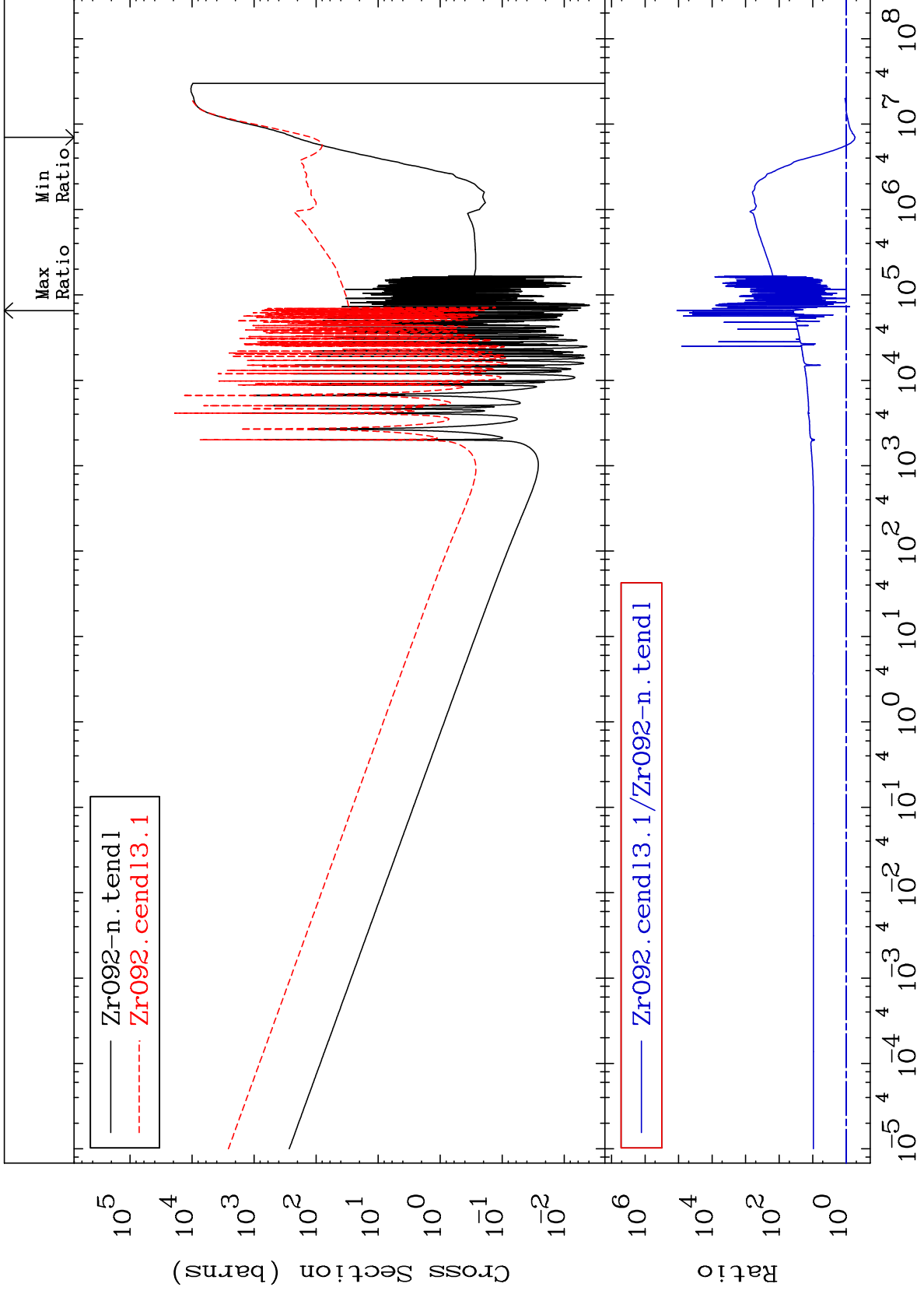
40-Zr-92

40-Zr-92

MAT 4031

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-92
-45.72 To 9999. %



47

Incident Energy (eV)

40-Zr-92