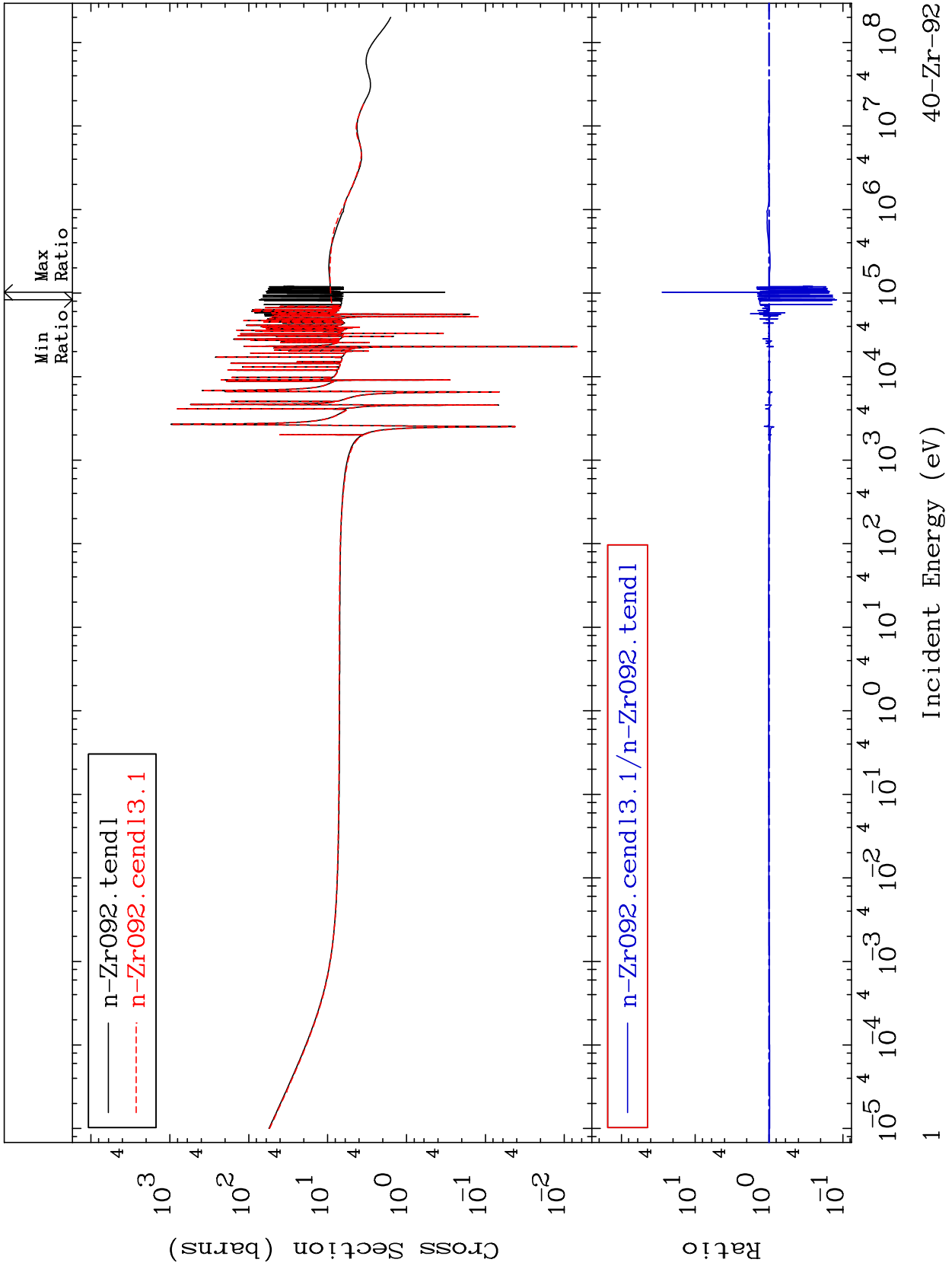


MAT 4031

Total
Cross Section

40-Zr-92
-87.86 To 2690. %

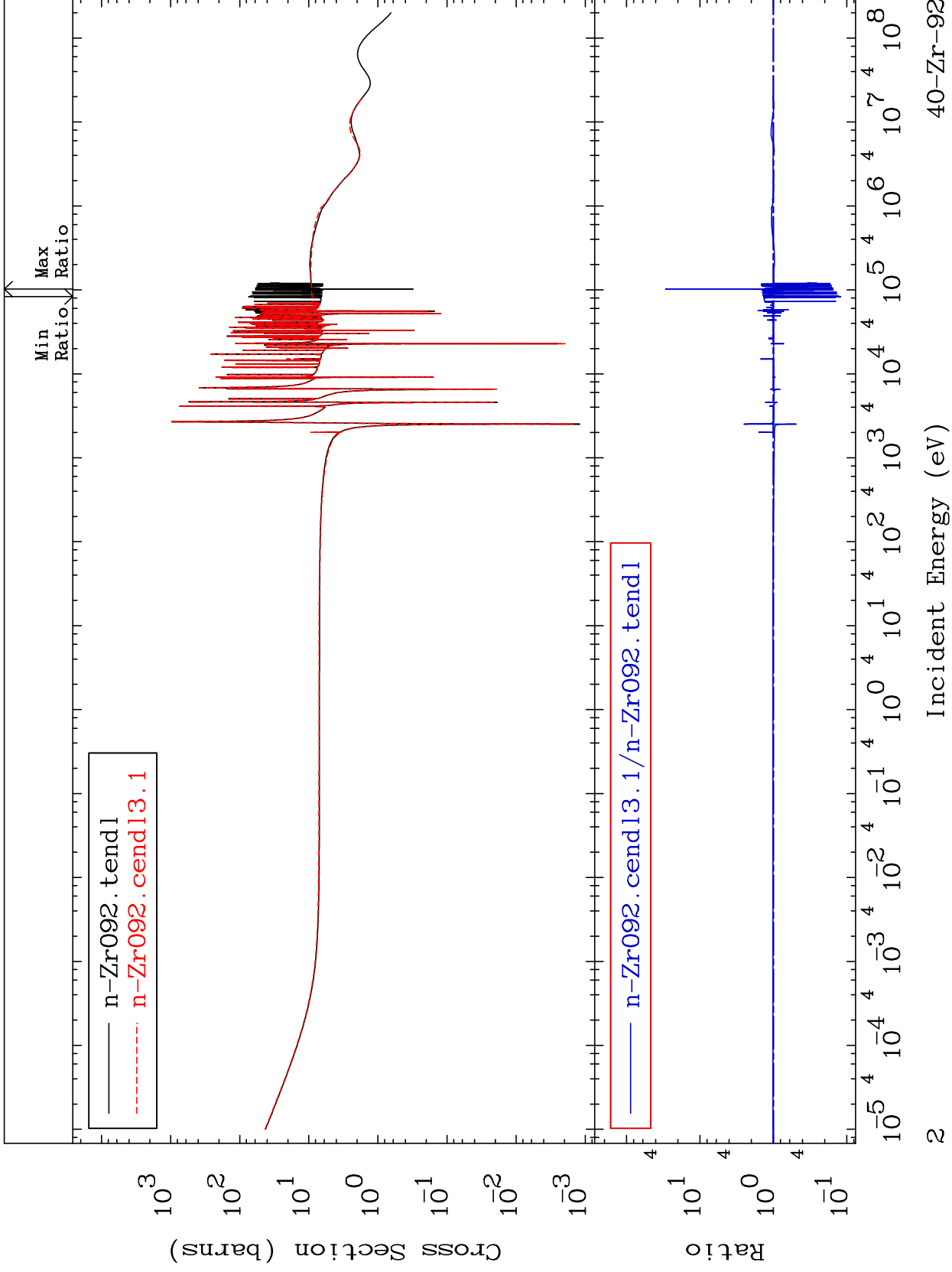


40-Zr-92

MAT 4031

Elastic
Cross Section

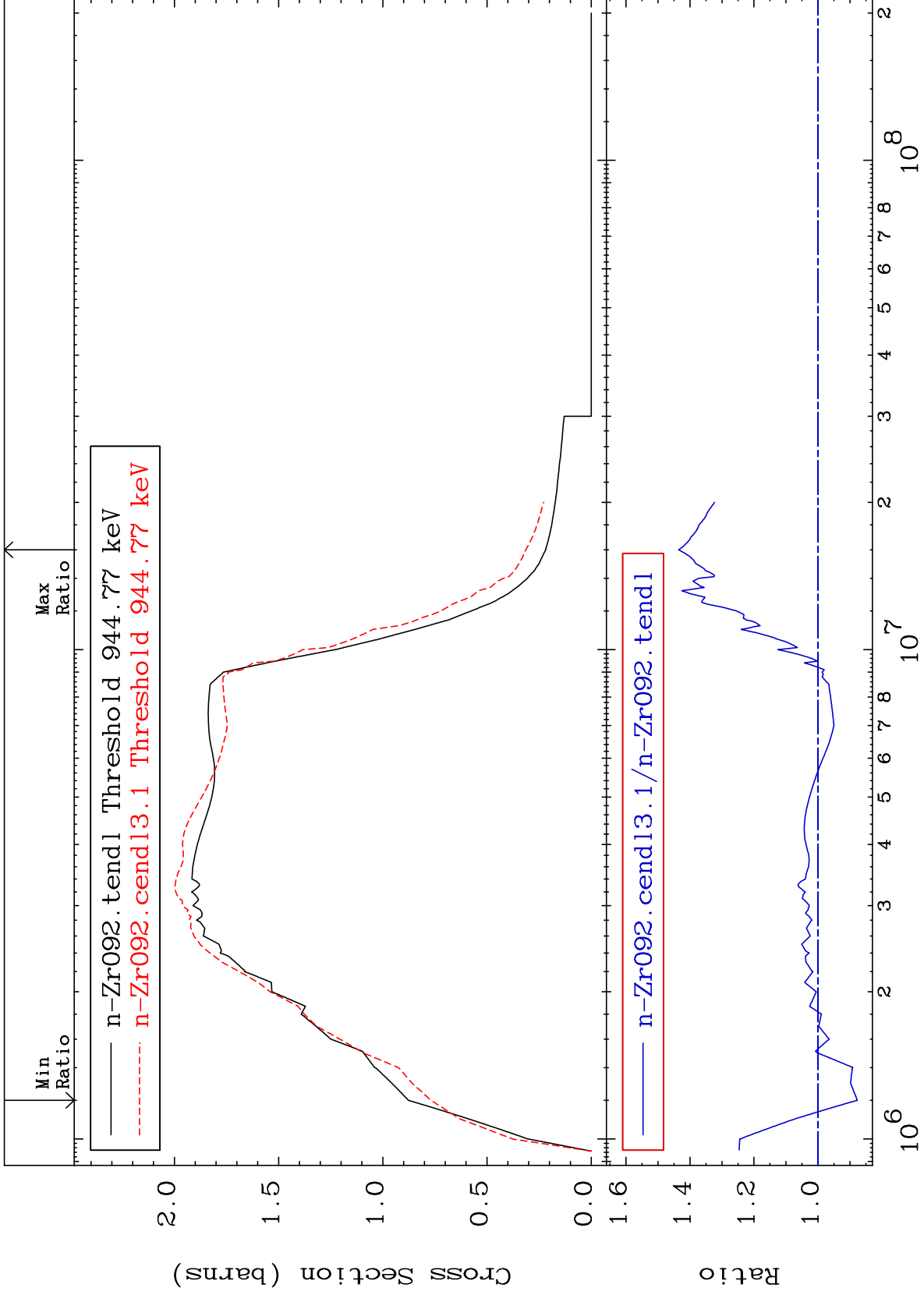
40-Zr-92
-87.89 To 2846. %



MAT 4031

Inelastic
Cross Section

40-Zr-92
-12.27 To 43.54 %



Incident Energy (eV)

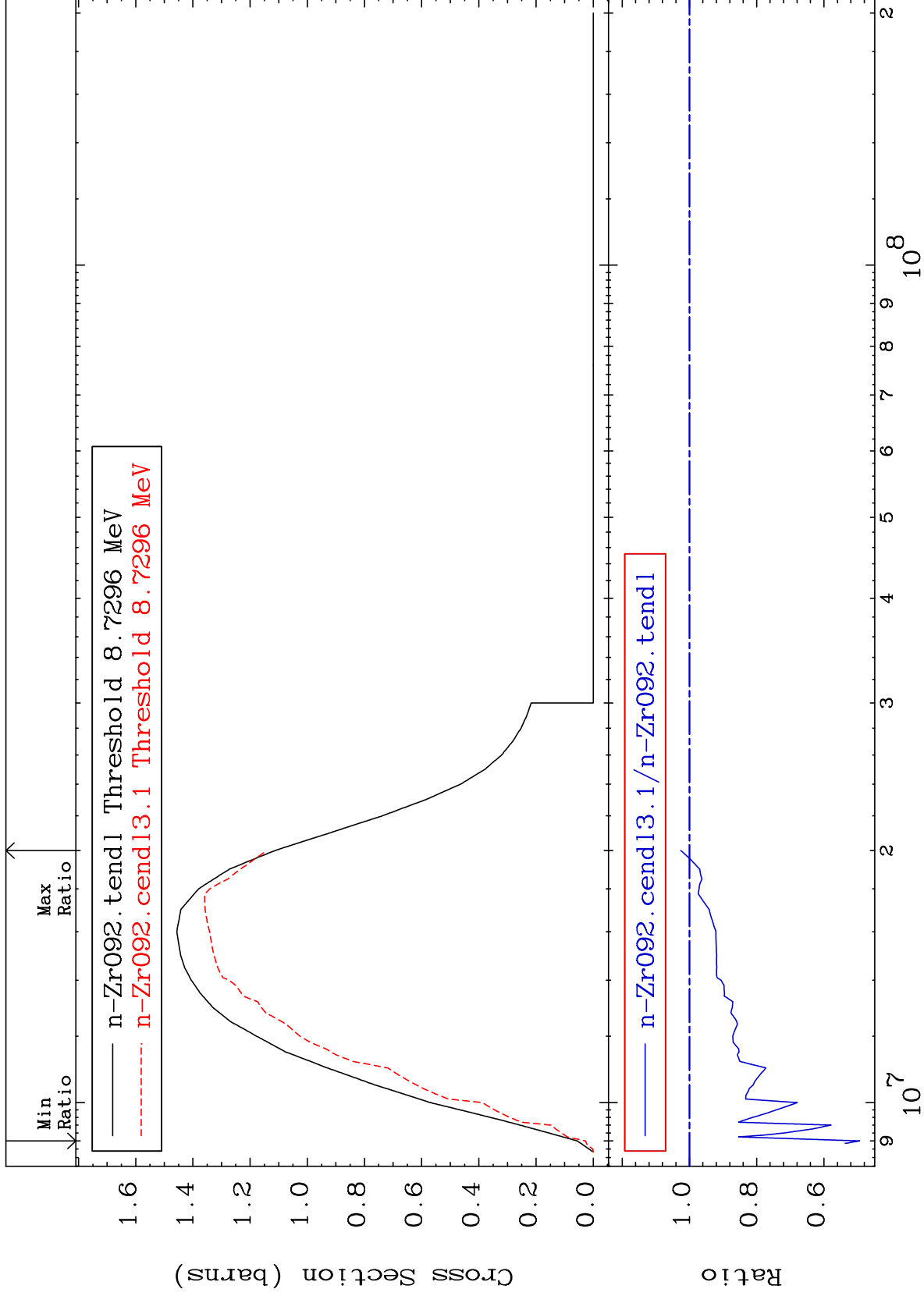
40-Zr-92

3

MAT 4031

(n,2n)
Cross Section

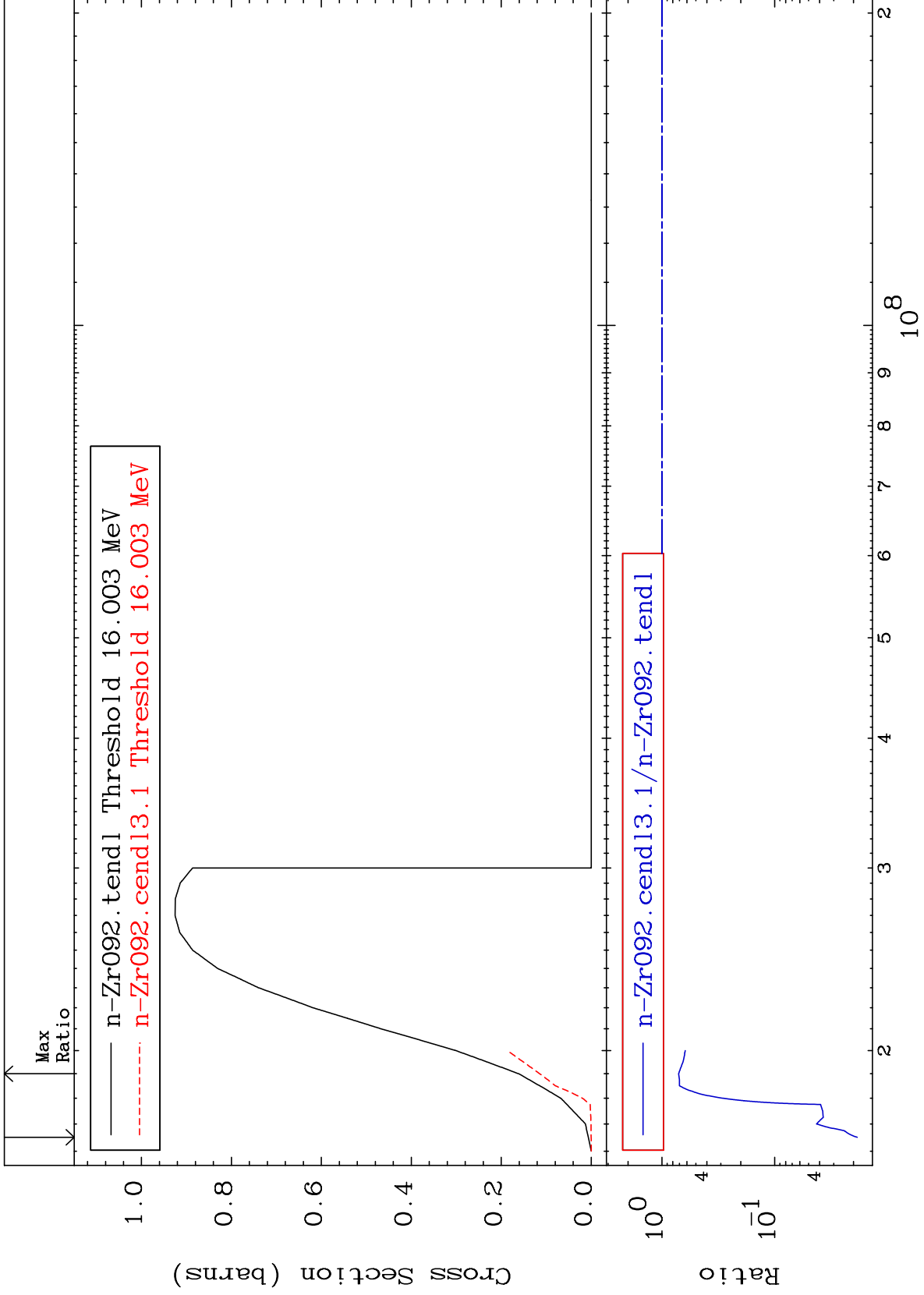
40-Zr-92
-50.59 To 2.566 %



MAT 4031

(n,3n)
Cross Section

40-Zr-92
-98.15 To -28.89%



5

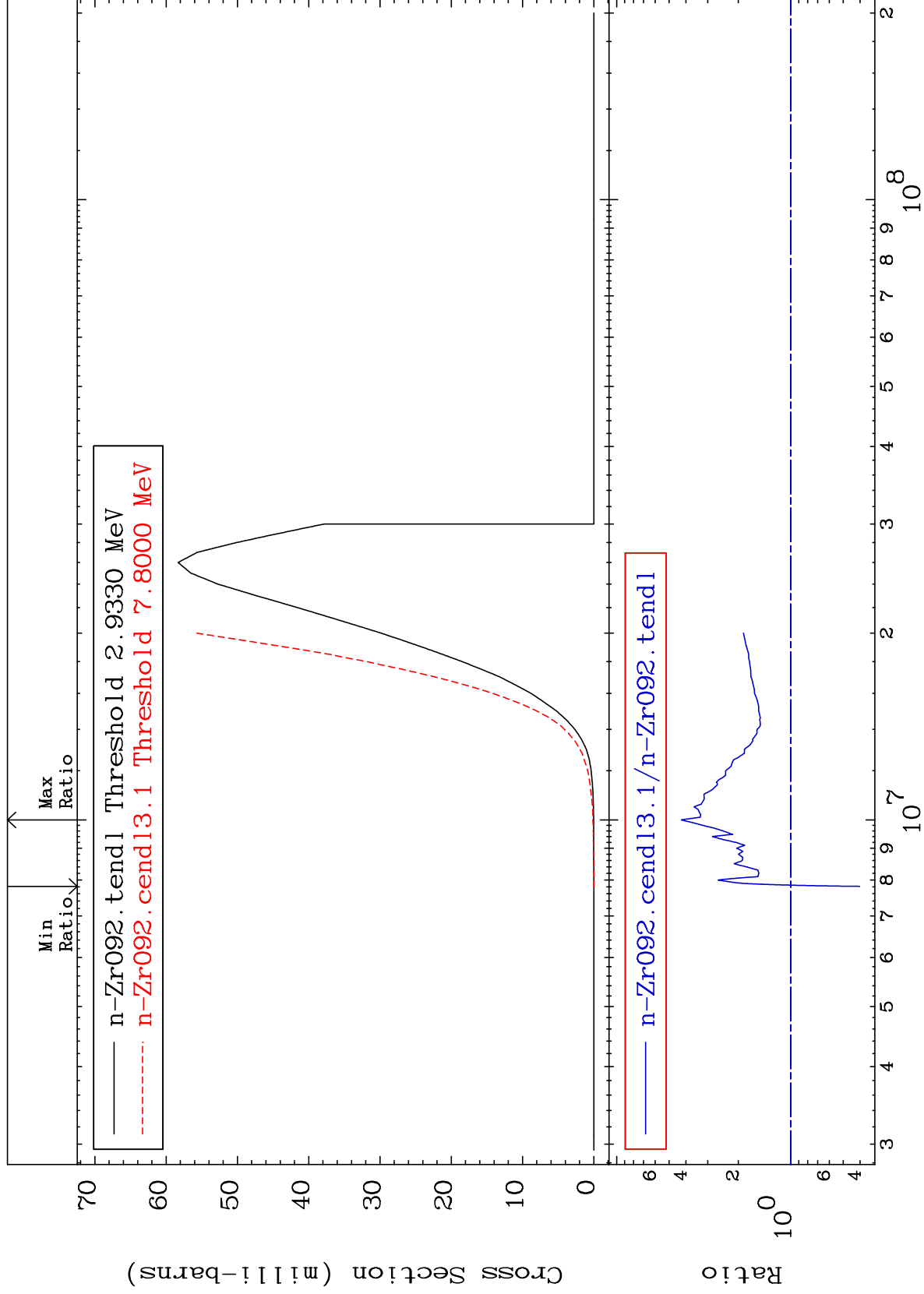
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') α
Cross Section

40-Zr-92
-59.79 To 325.8 %



6

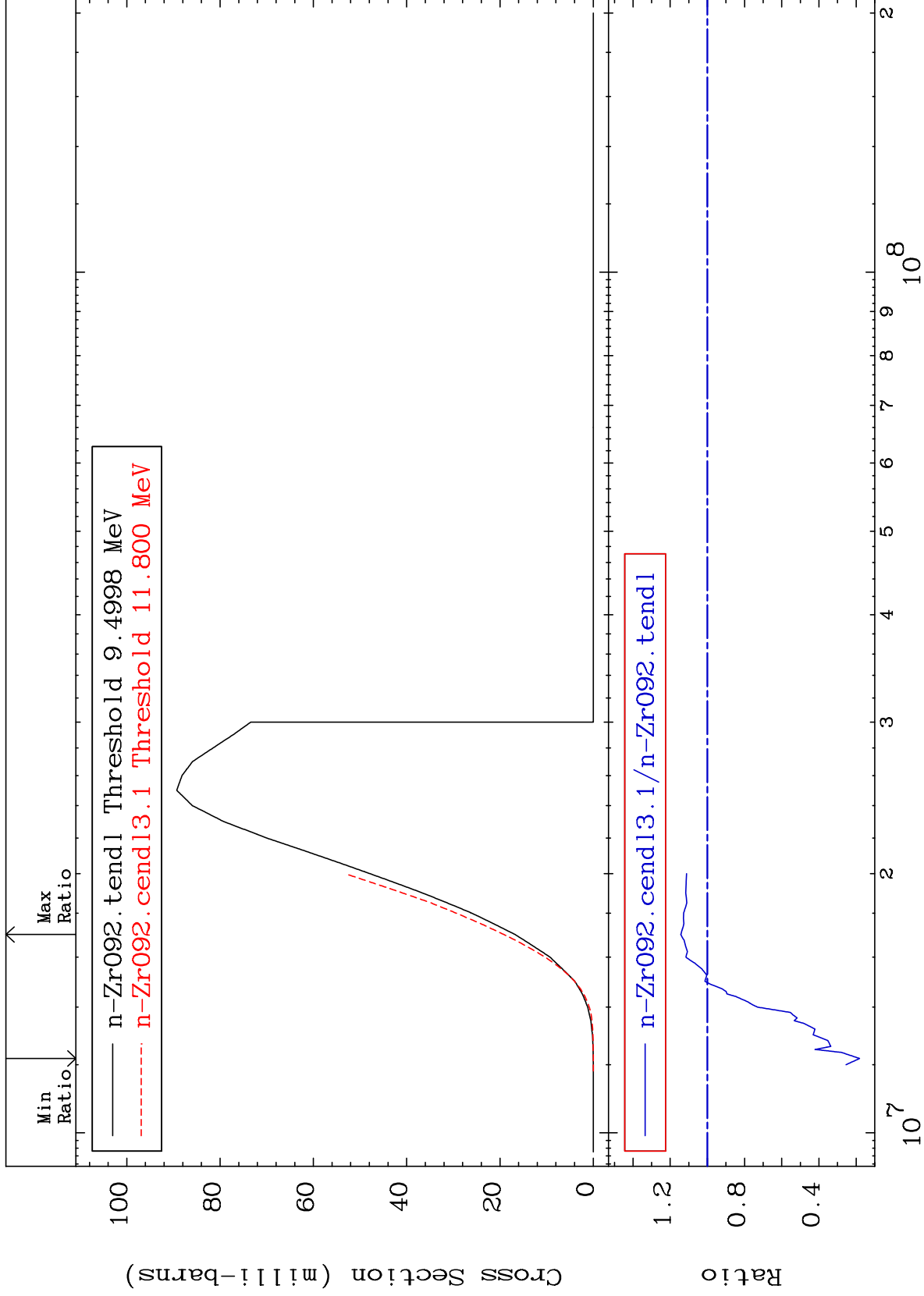
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') p
Cross Section

40-Zr-92
-81.84 To 14.32 %



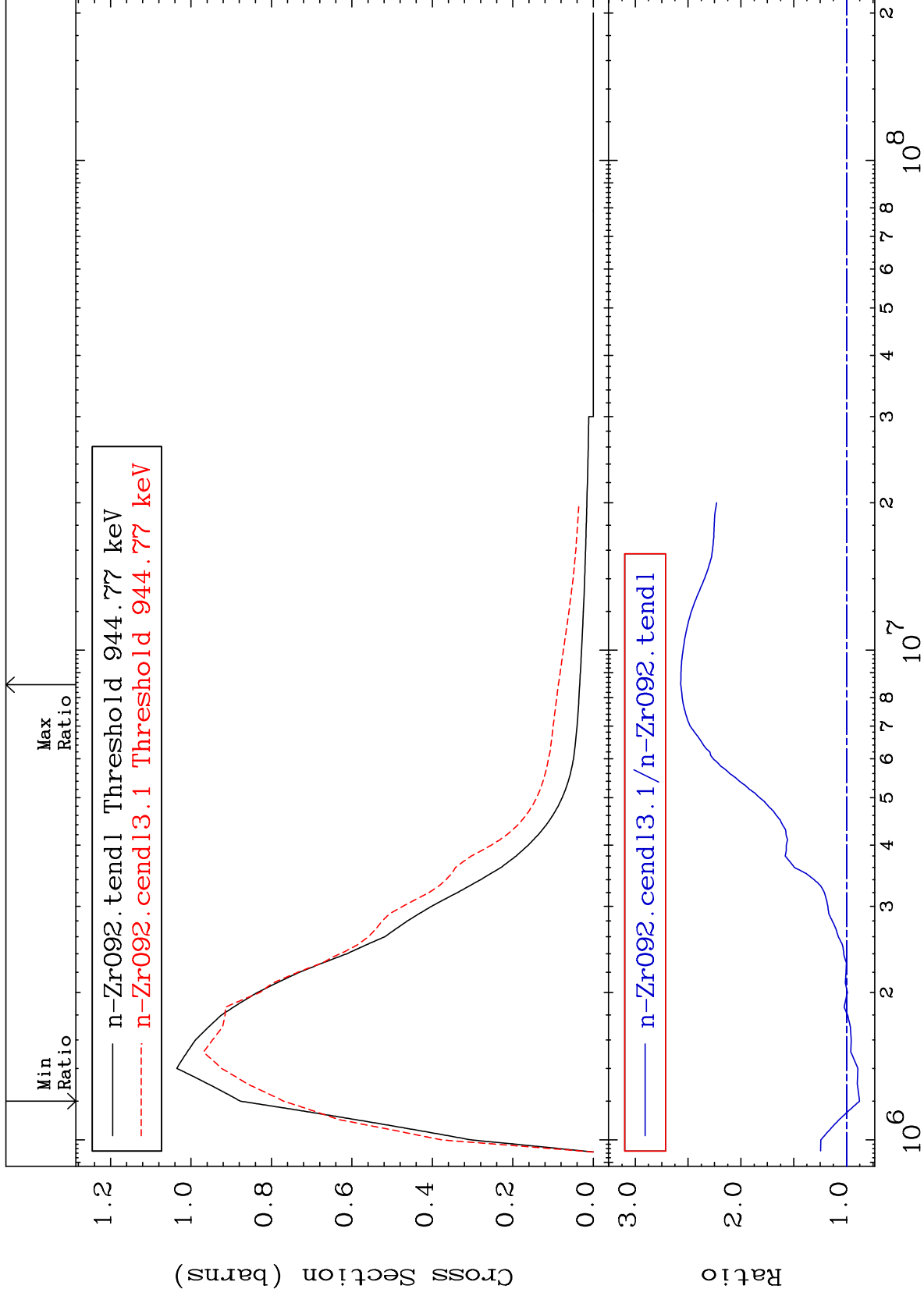
40-Zr-92

Incident Energy (eV)

MAT 4031

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

40-Zr-92
-12.27 To 156.9 %



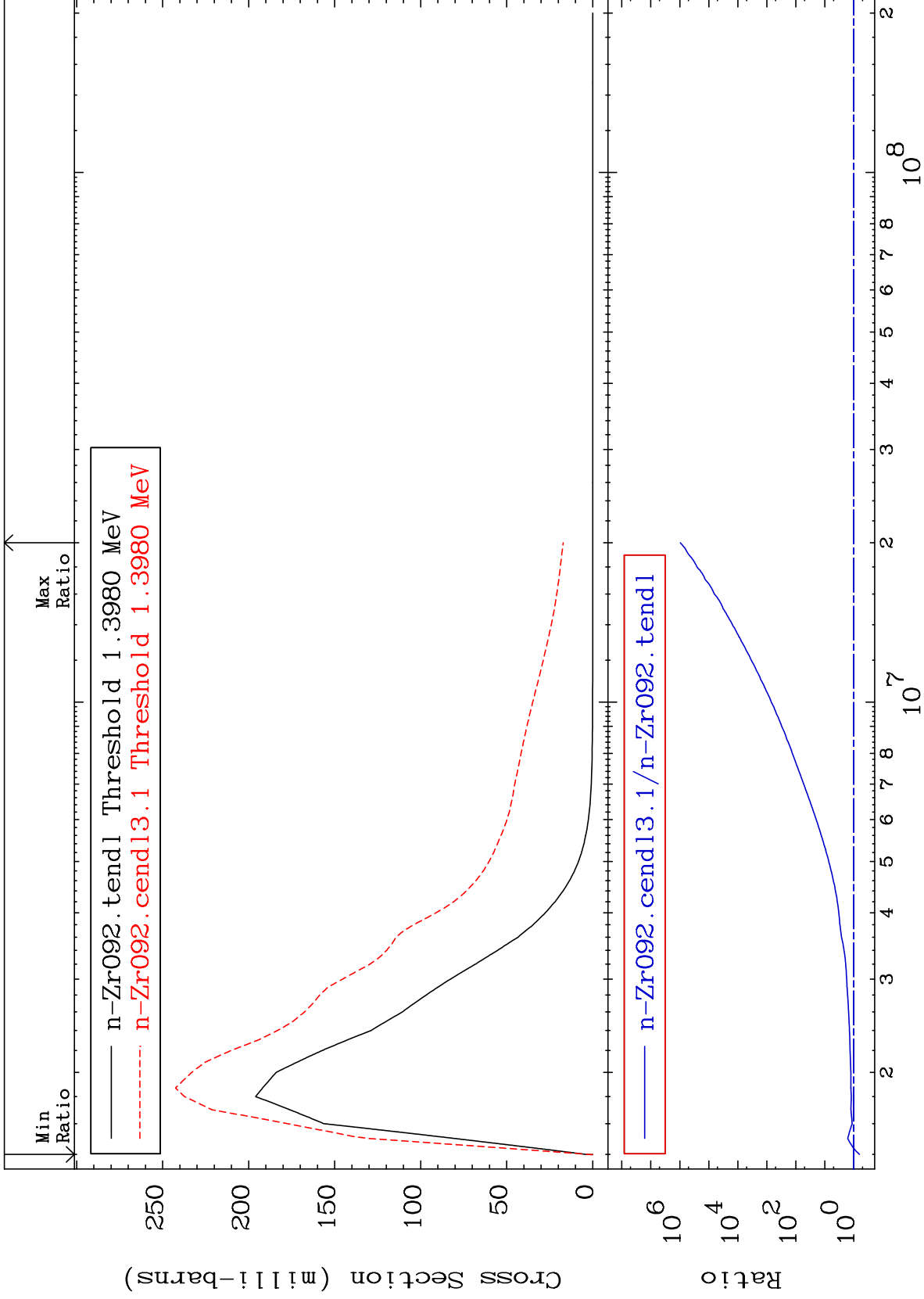
Incident Energy (eV)

40-Zr-92

MAT 4031

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

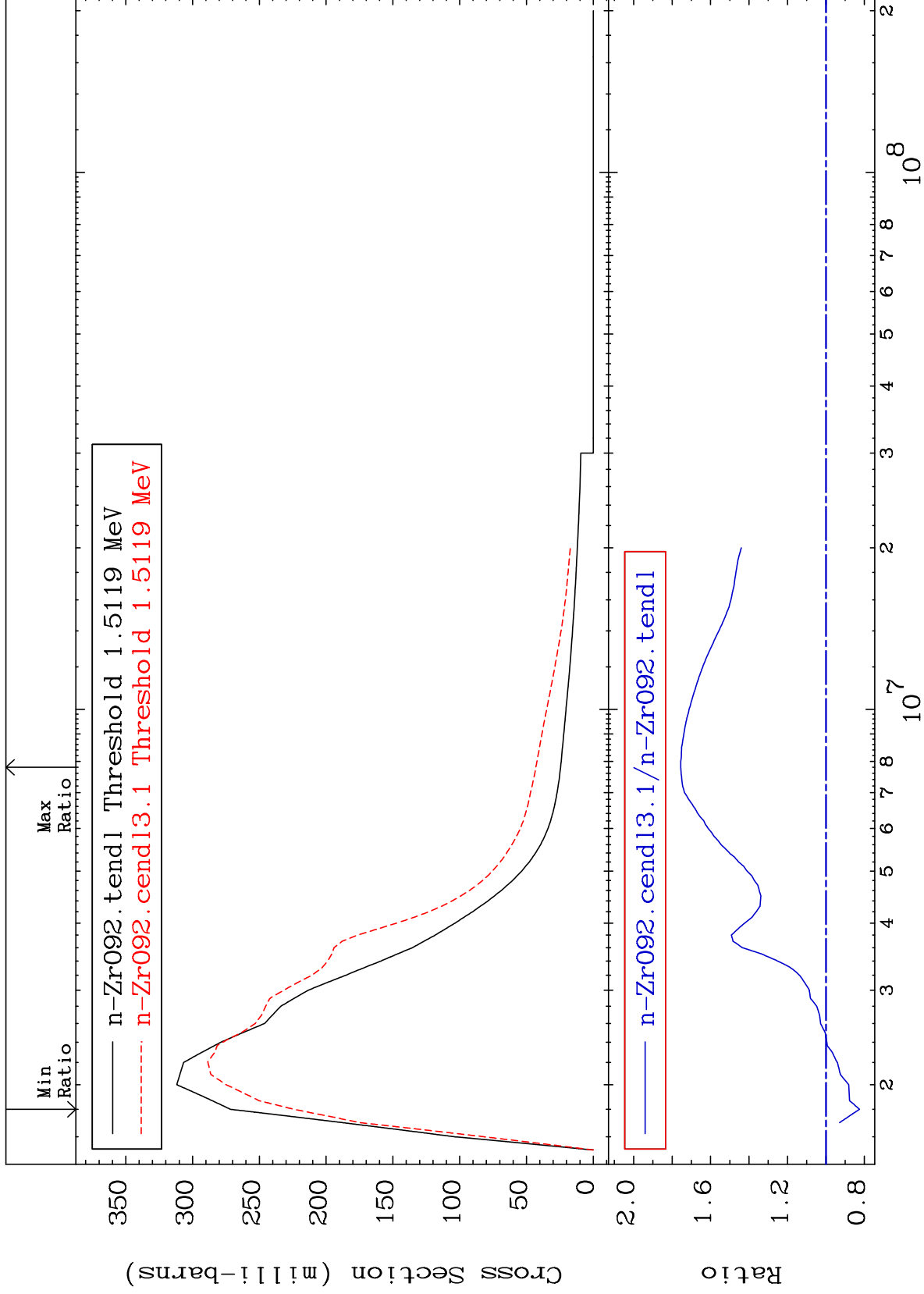
40-Zr-92
-36.12 To 9999. %



MAT 4031

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

40-Zr-92
-17.46 To 75.49 %



10

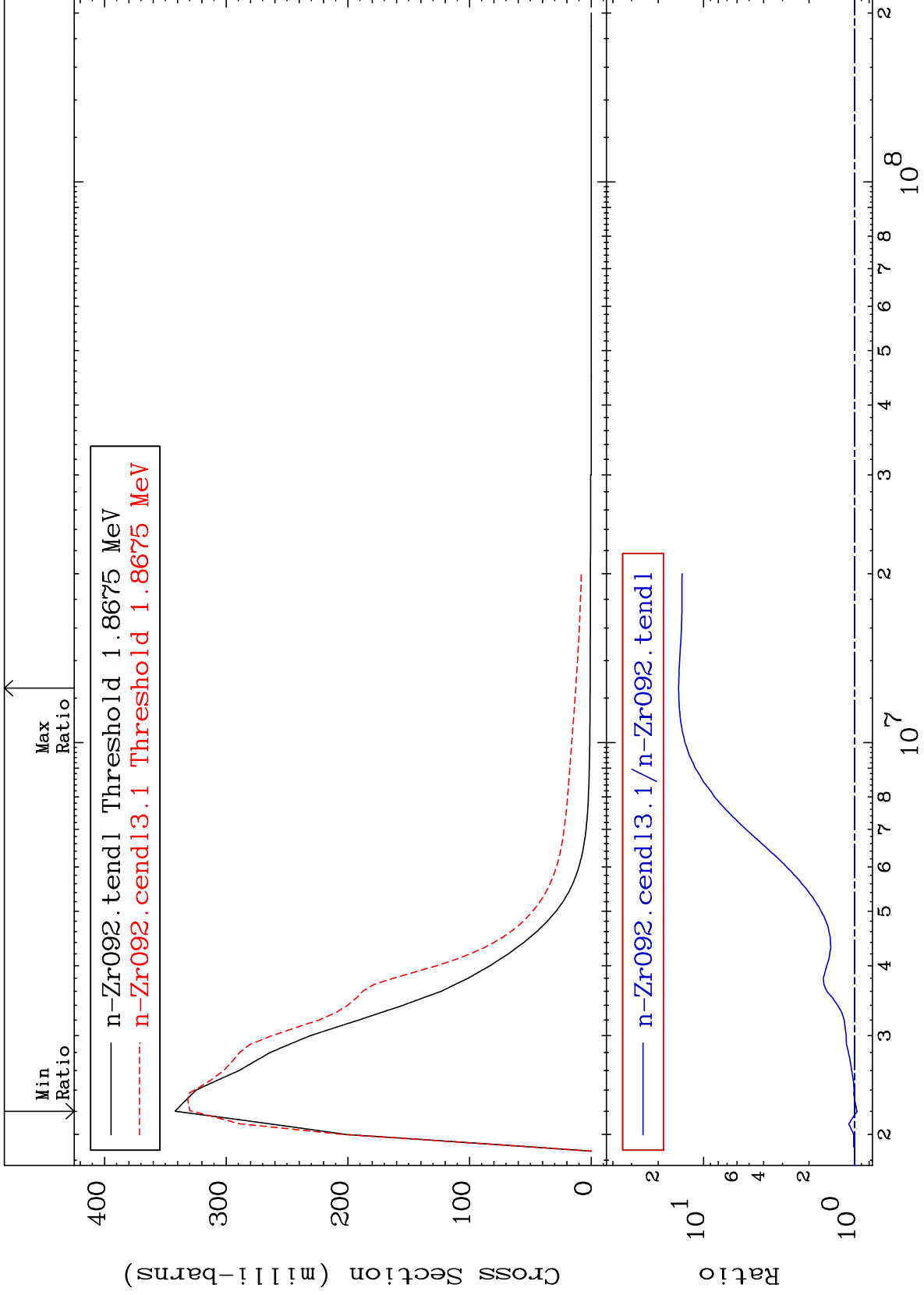
Incident Energy (eV)

40-Zr-92

MAT 4031

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

40-Zr-92
-4.145 To 1364. %



11

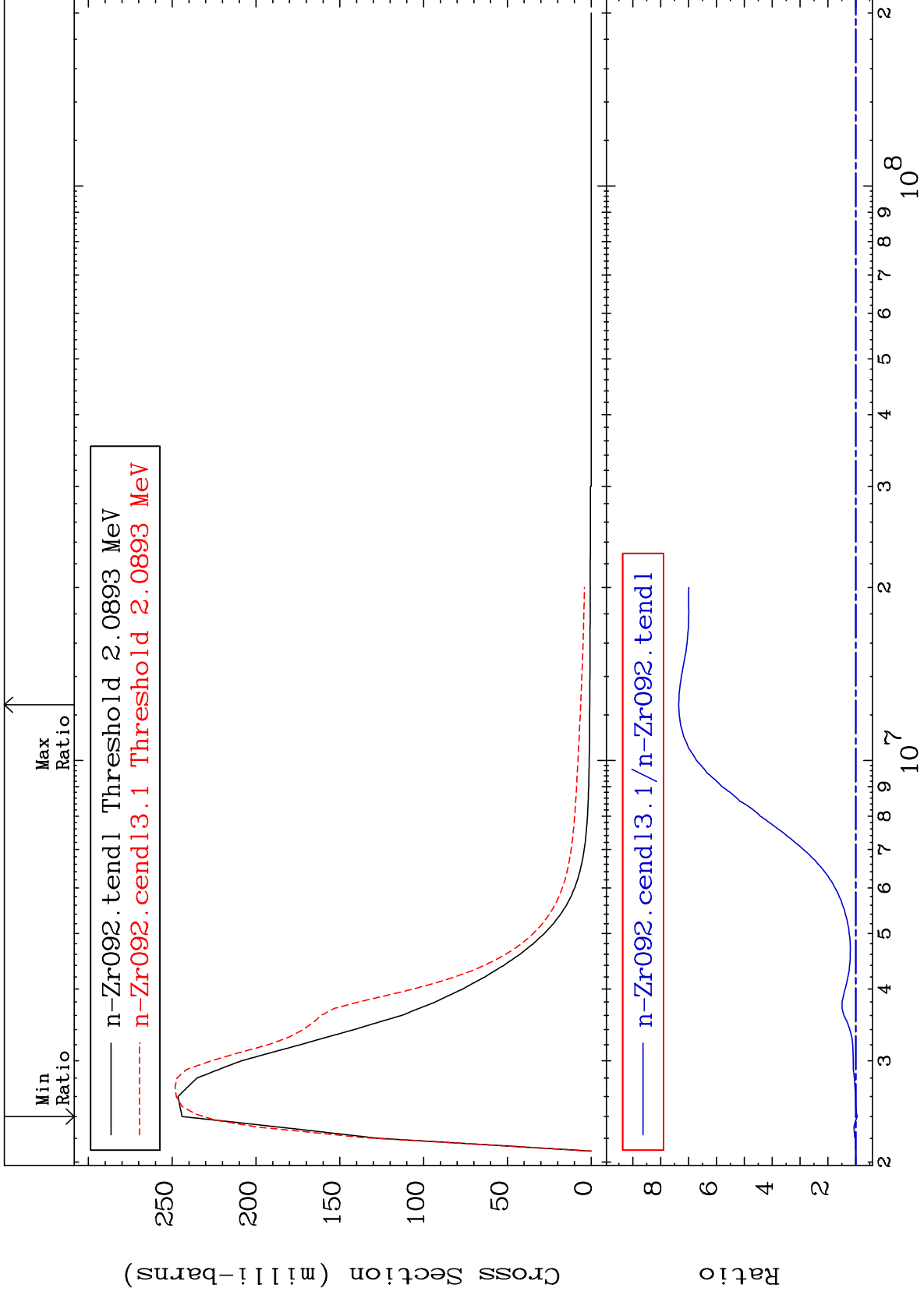
Incident Energy (eV)

40-Zr-92

MAT 4031

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

40-Zr-92
-5.361 To 635.9 %



12

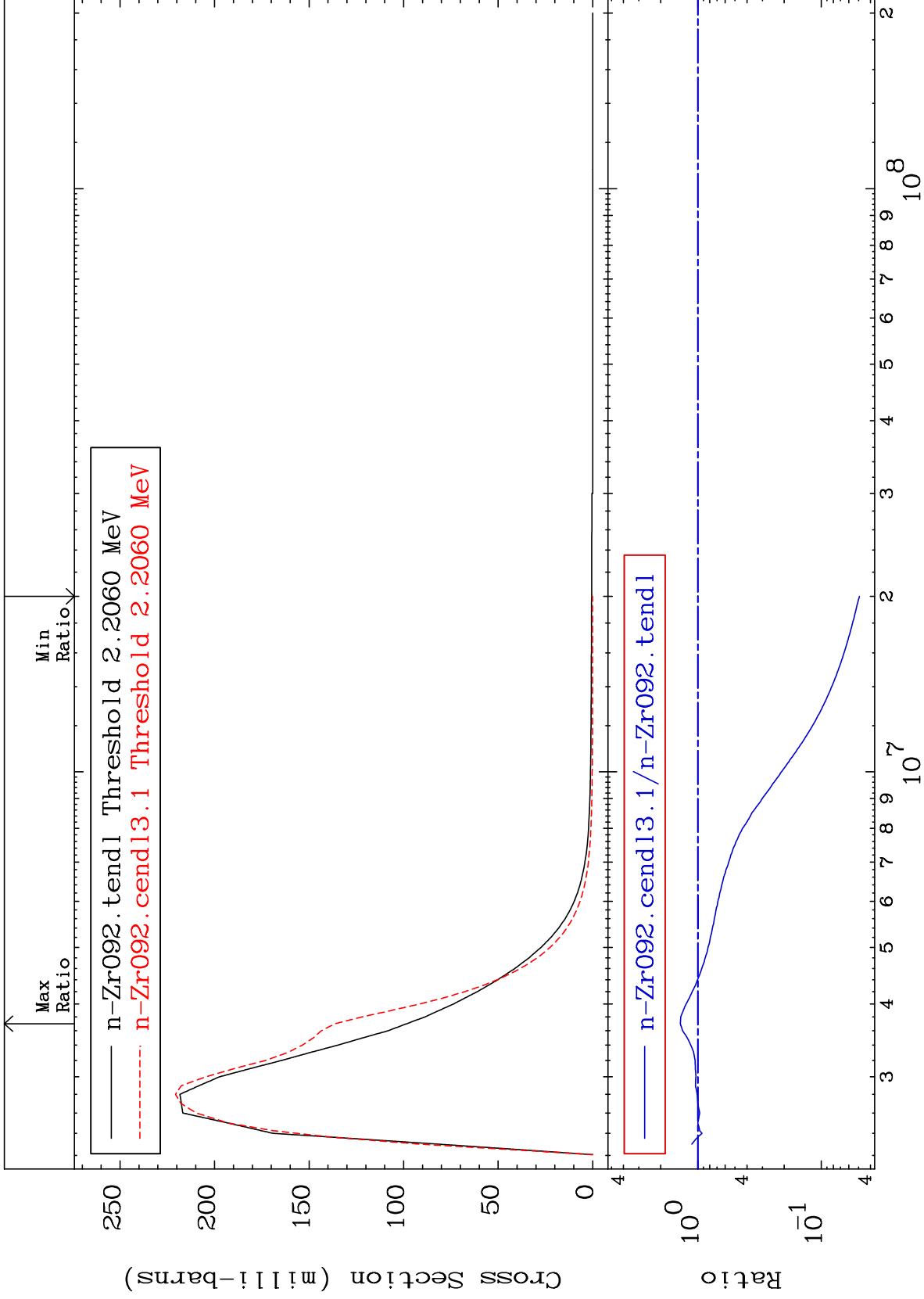
Incident Energy (eV)

40-Zr-92

MAT 4031

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

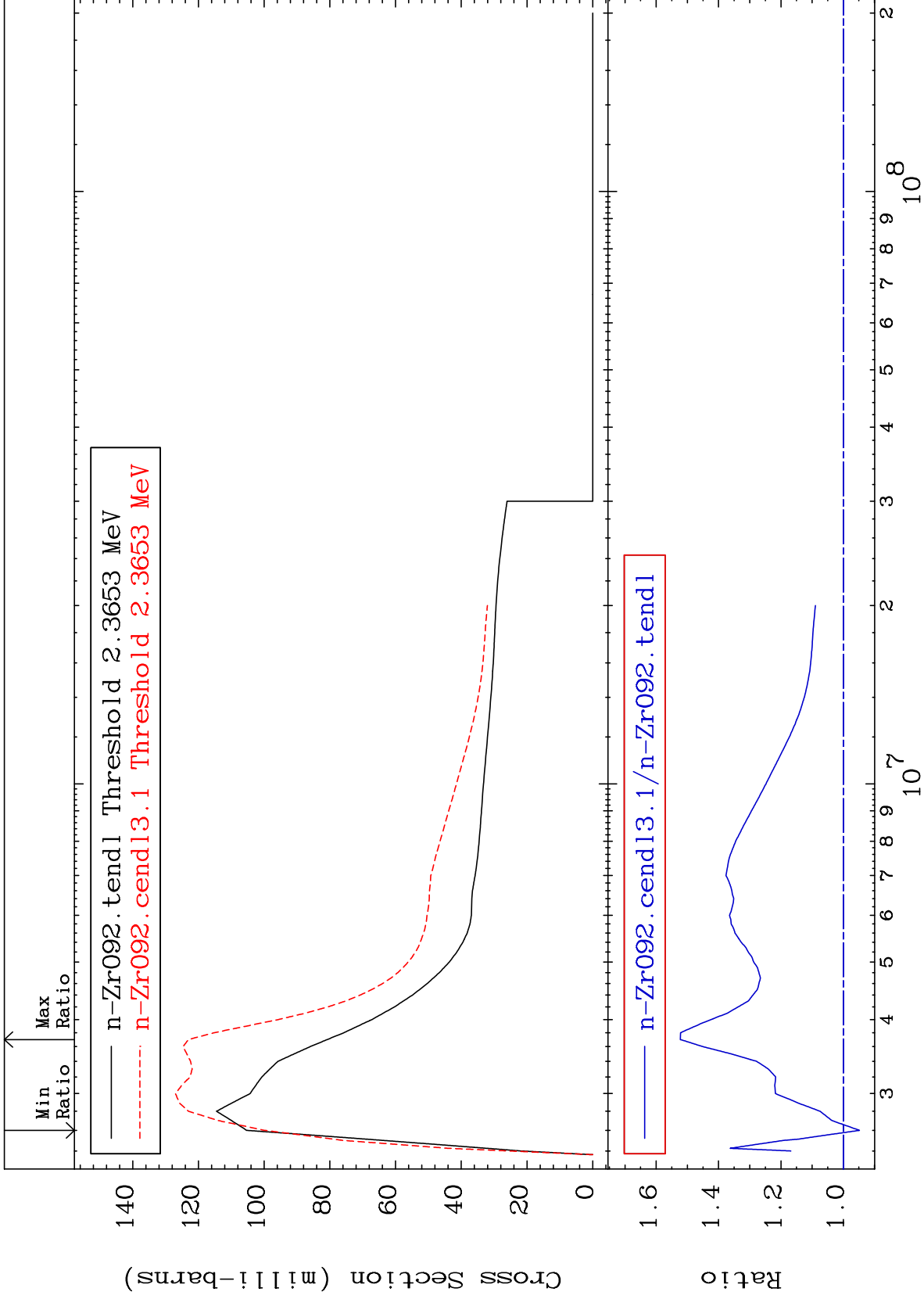
40-Zr-92
-95.08 To 38.42 %



MAT 4031

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

40-Zr-92
-5.171 To 52.25 %



14

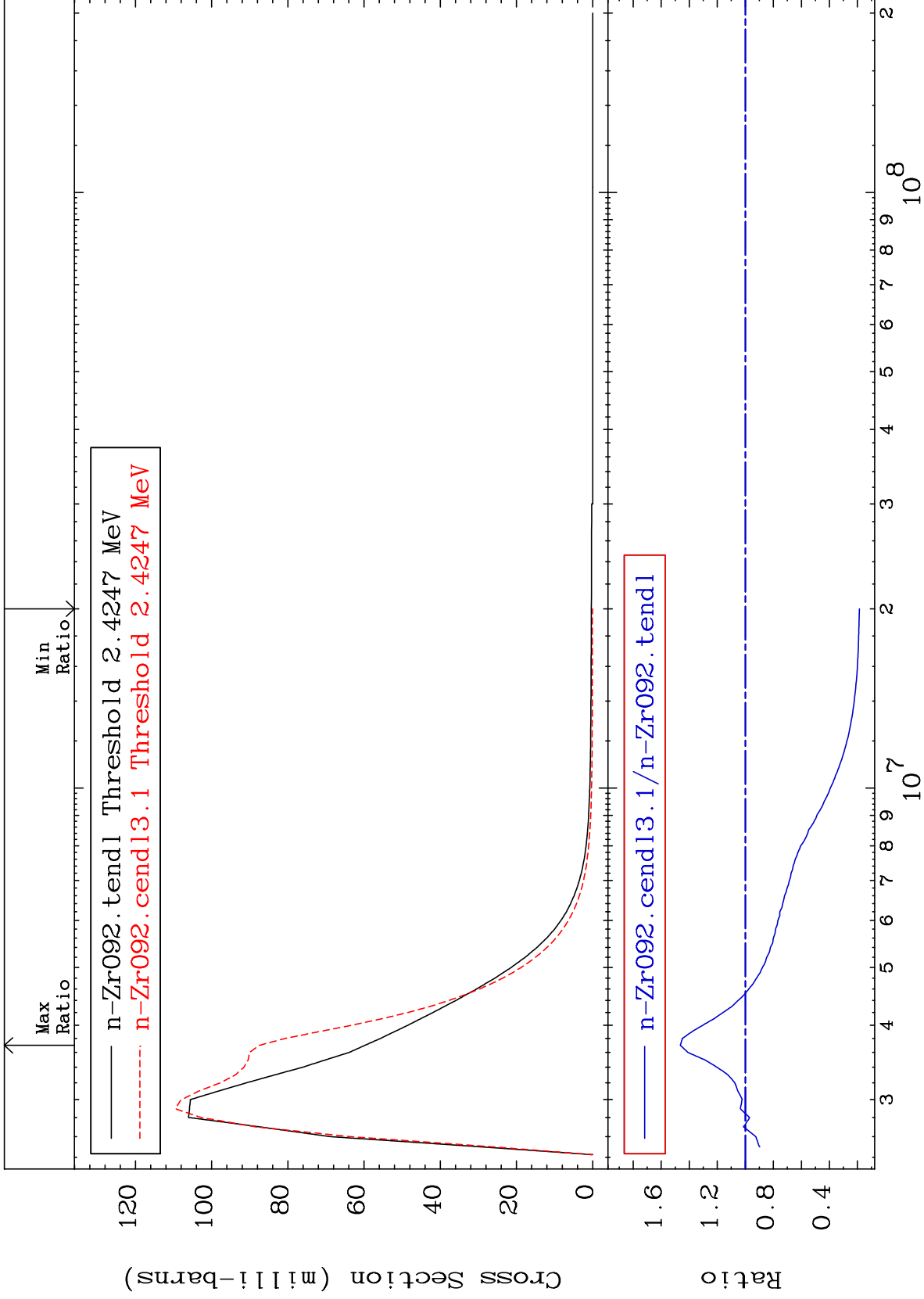
Incident Energy (eV)

40-Zr-92

MAT 4031

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

40-Zr-92
-81.44 To 46.34 %



15

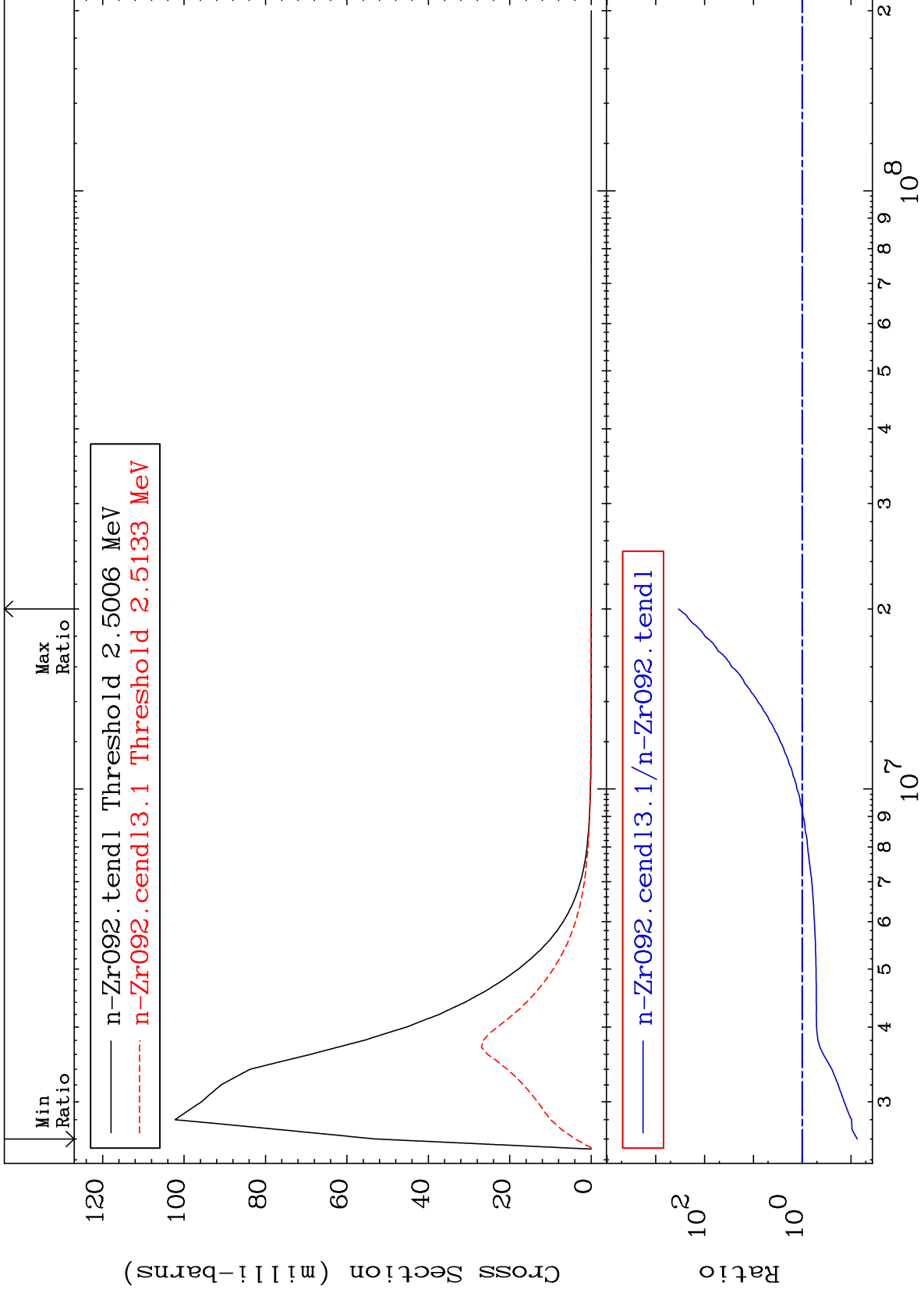
40-Zr-92

40-Zr-92

MAT 4031

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

40-Zr-92
-92.55 To 9999. %



16

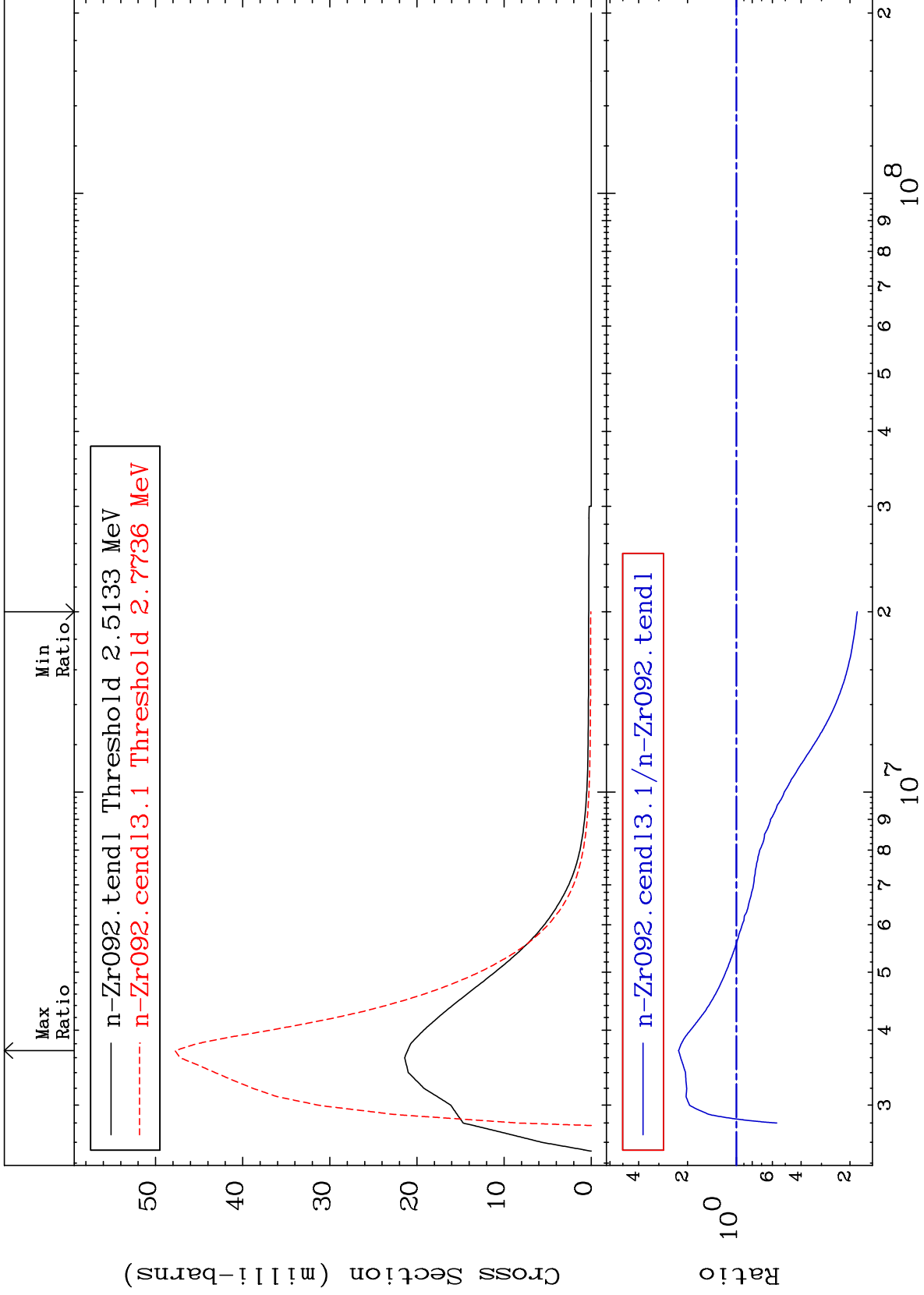
Incident Energy (eV)

40-Zr-92

MAT 4031

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

40-Zr-92
-81.96 To 126.7 %



17

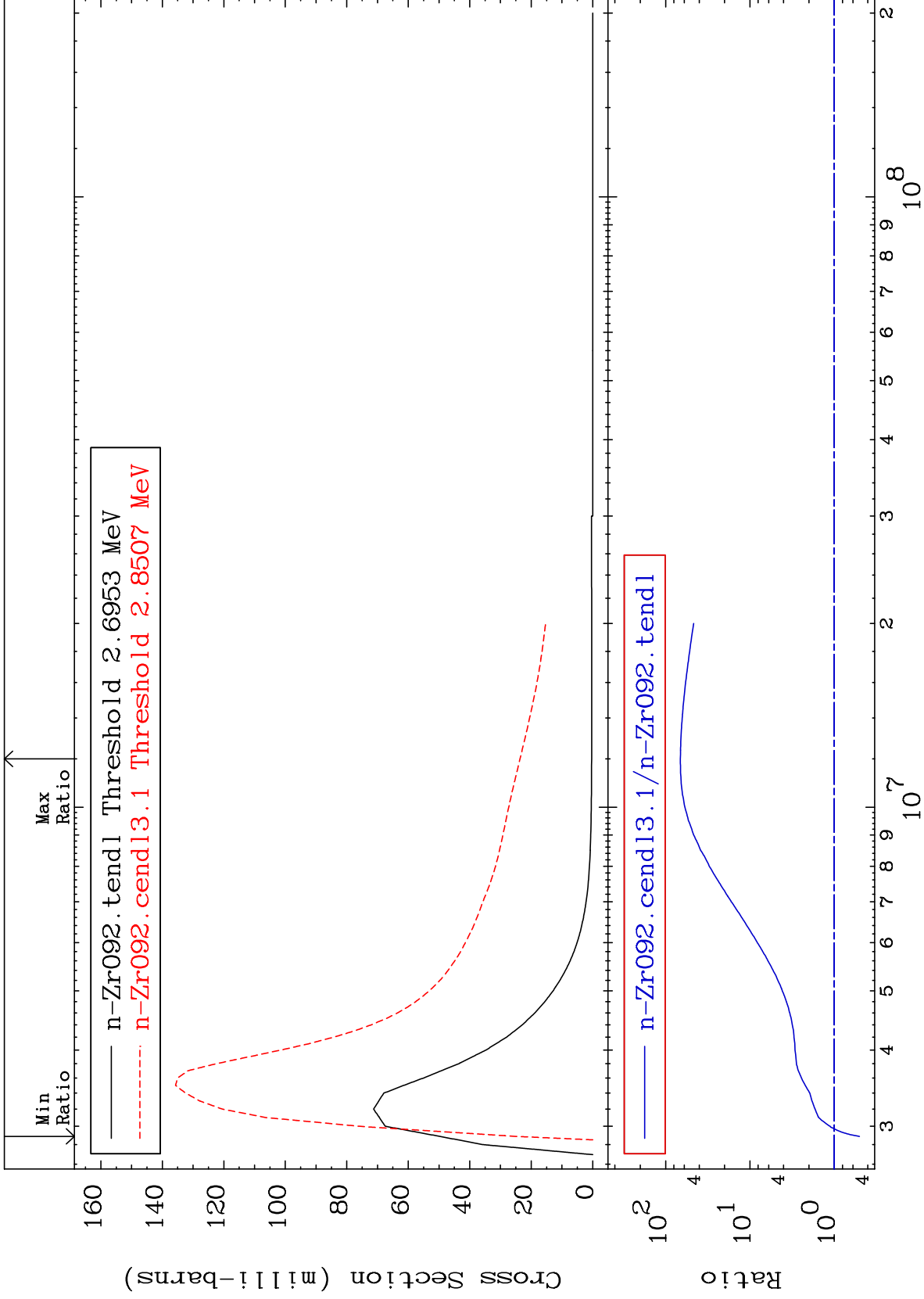
40-Zr-92

40-Zr-92

MAT 4031

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

40-Zr-92
-49.70 To 6591. %



18

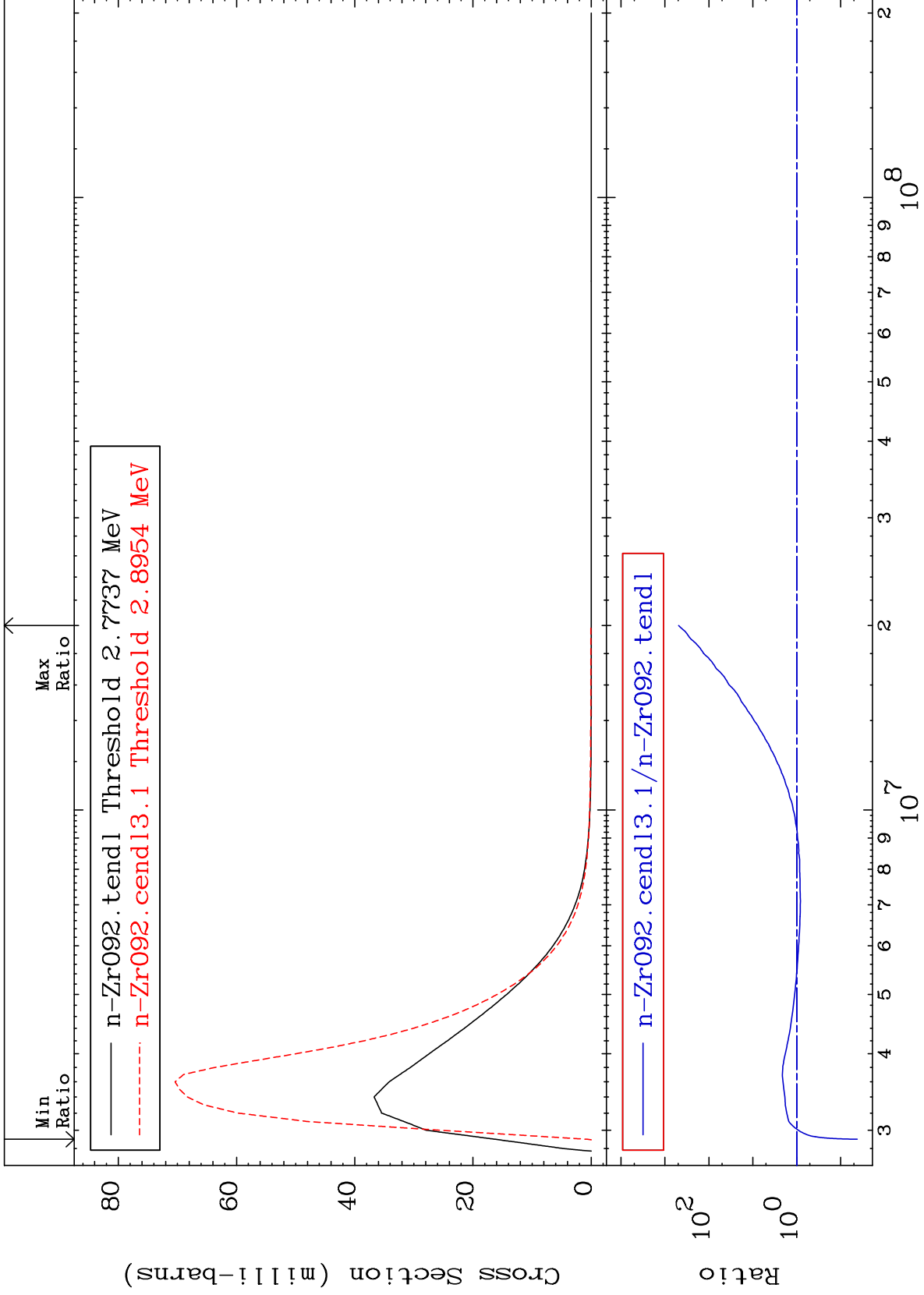
Incident Energy (eV)

40-Zr-92

MAT 4031

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

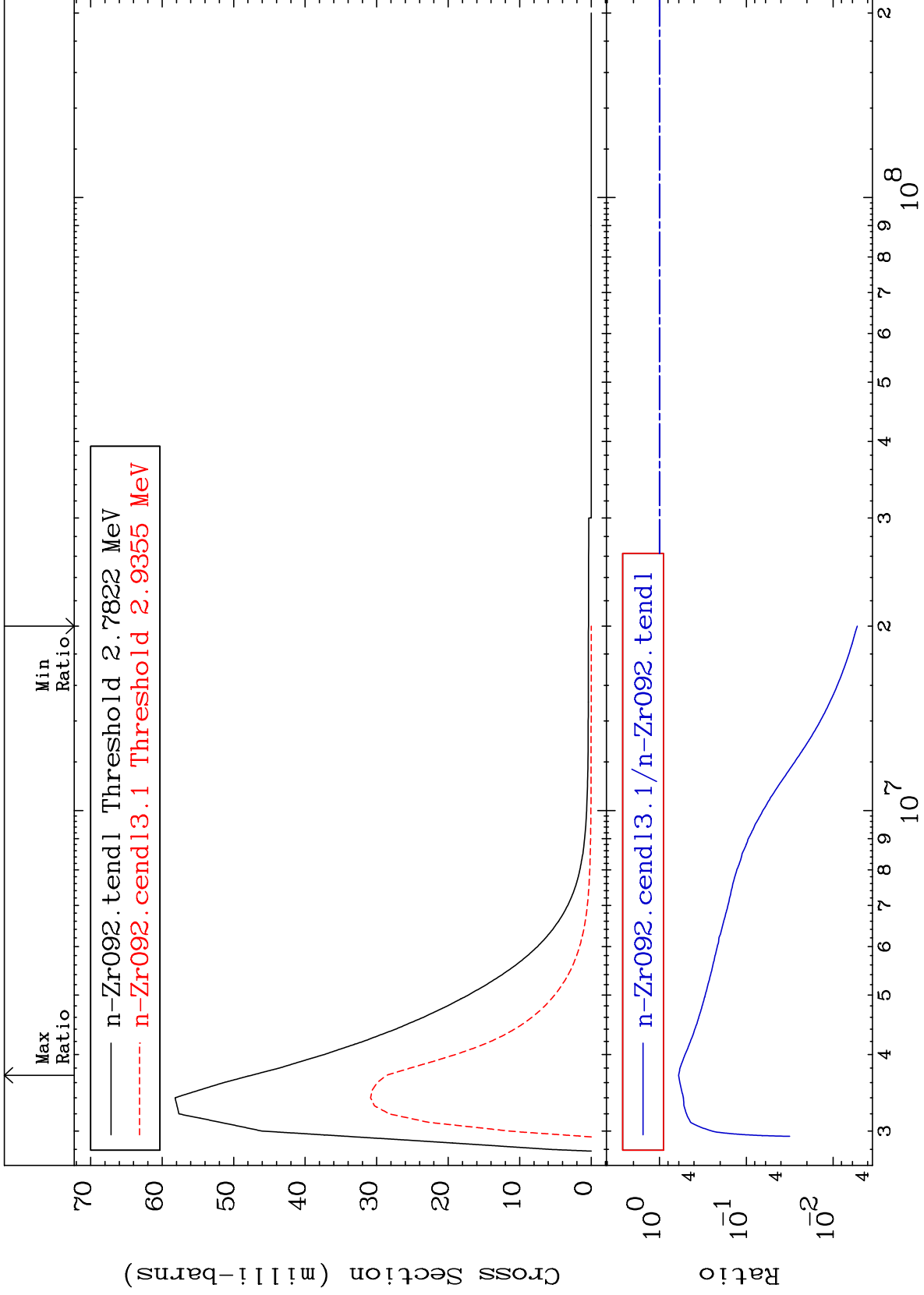
40-Zr-92
-95.82 To 9999. %



MAT 4031

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

40-Zr-92
-99.47 To -39.78%



20

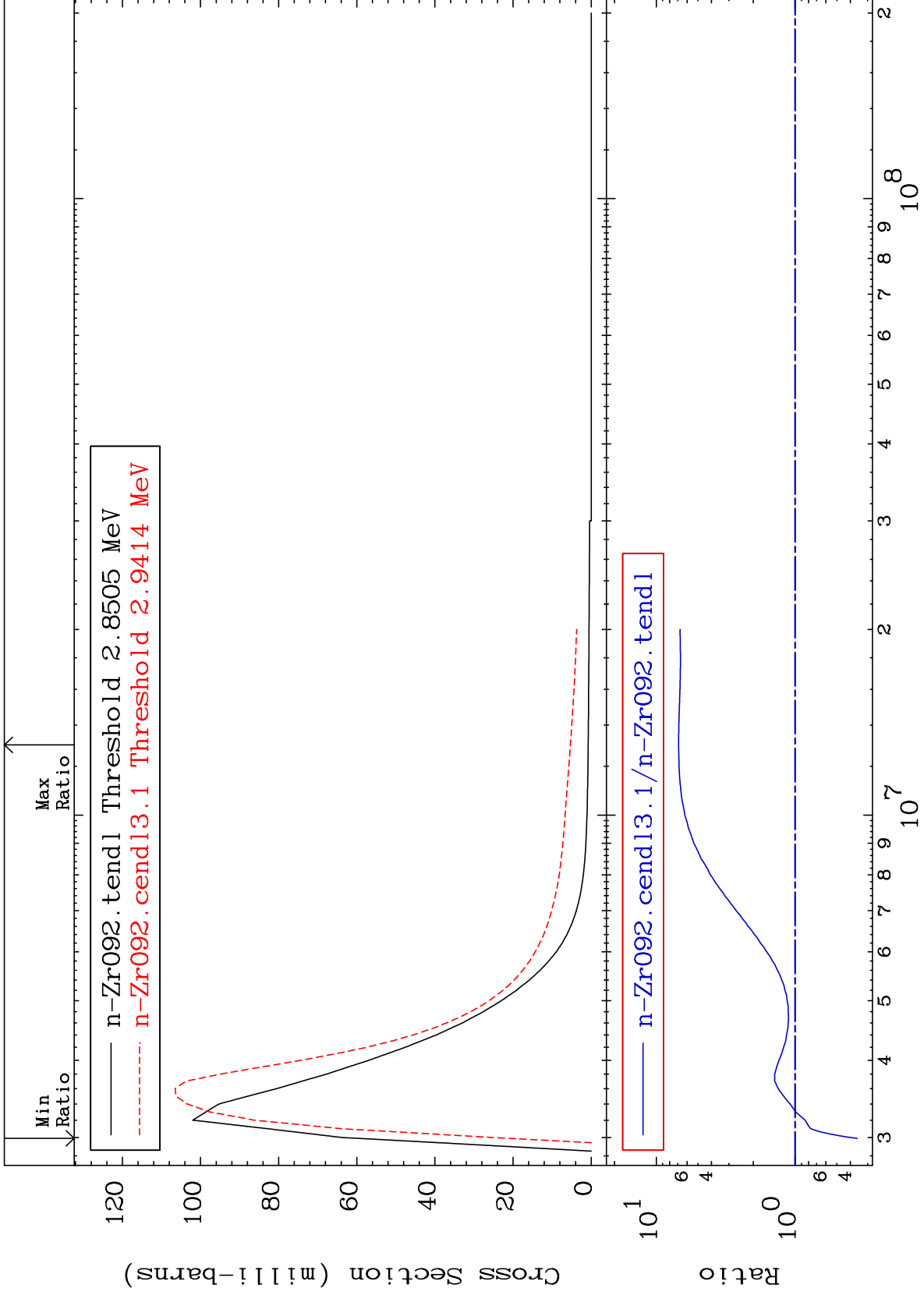
40-Zr-92

40-Zr-92

MAT 4031

MT= 64 (n, n') Level
Cross Section

40-Zr-92
-64.35 To 589.8 %



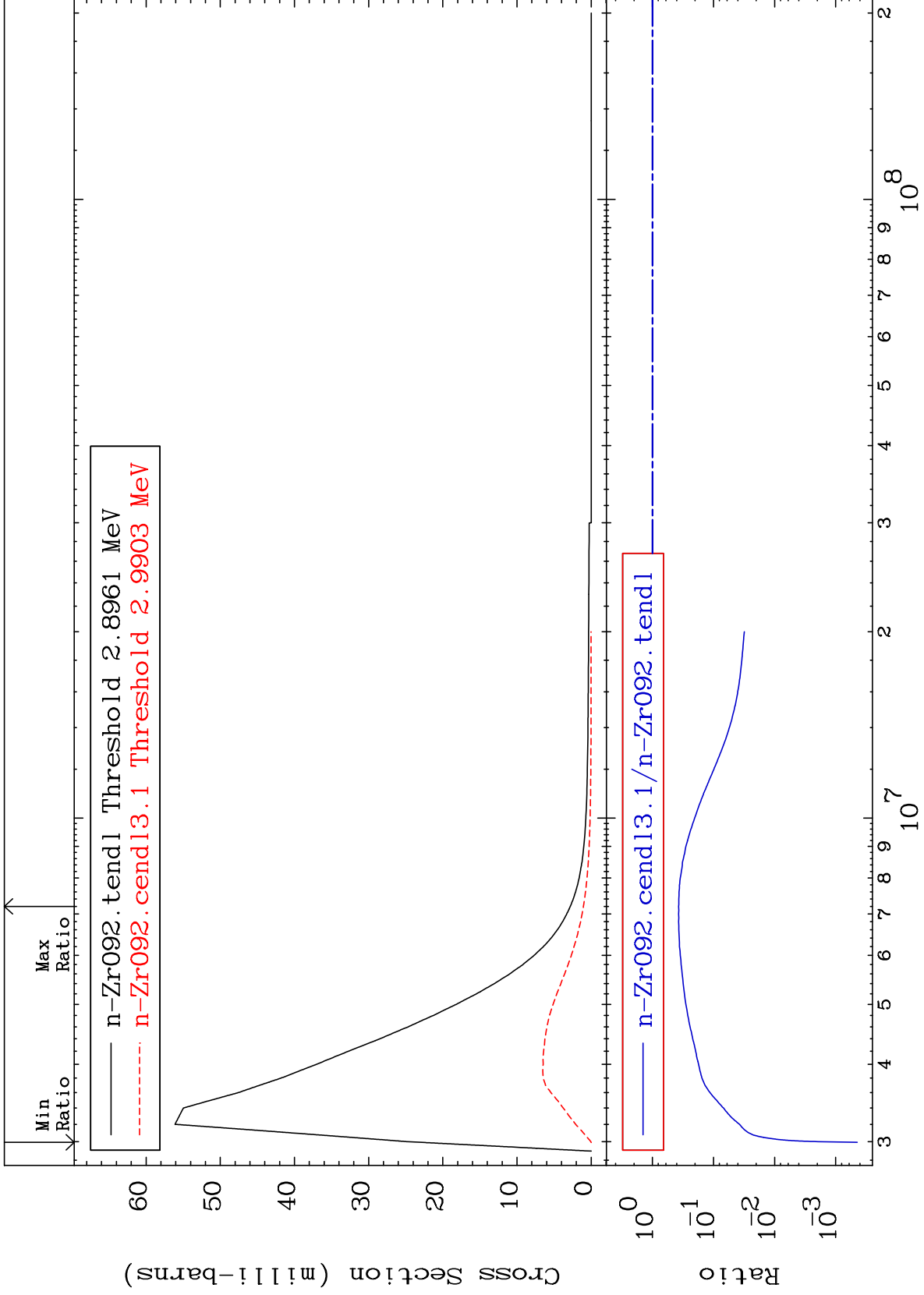
21

40-Zr-92

MAT 4031

MT= 65 (n,n') Level
Cross Section

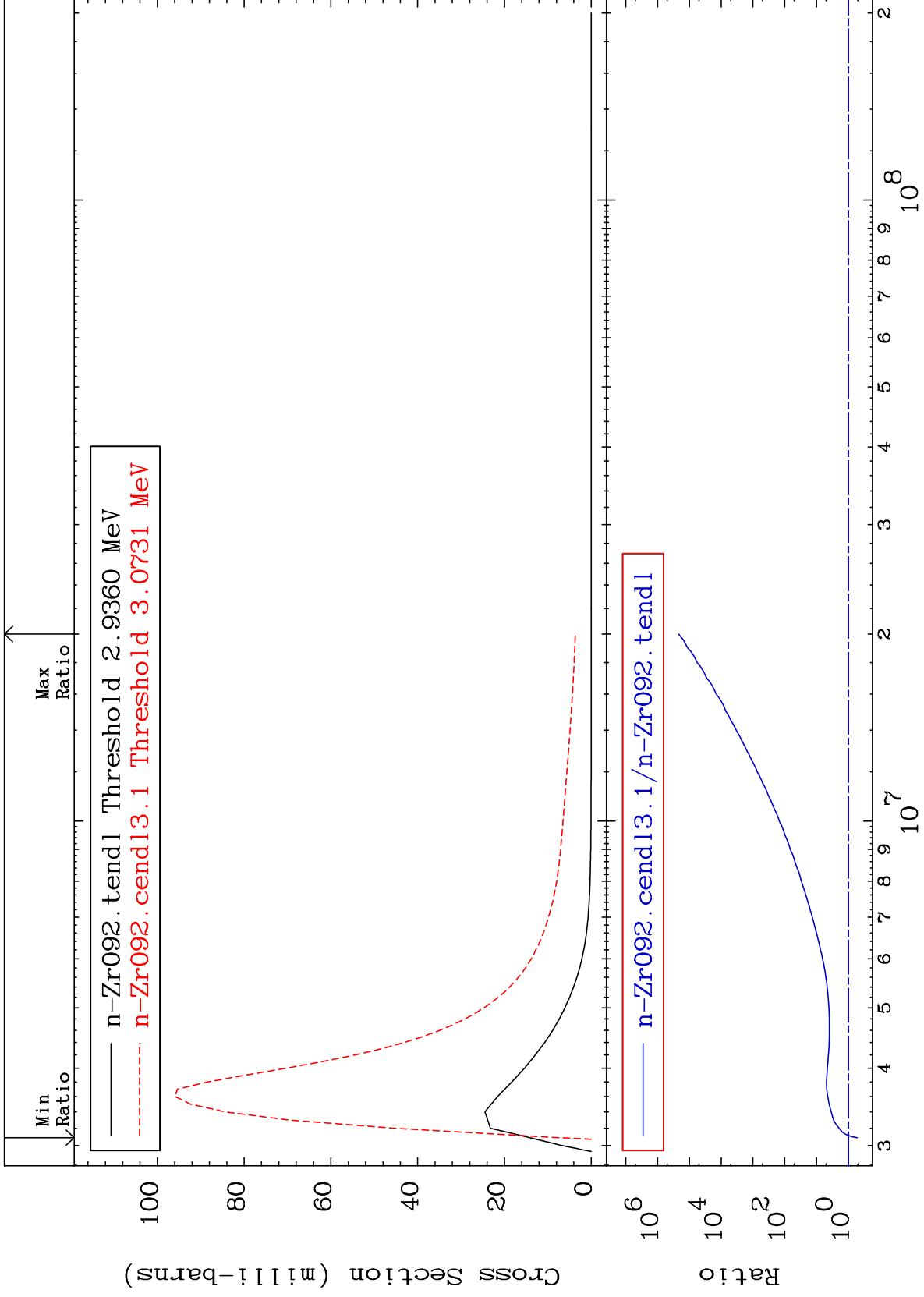
40-Zr-92
-99.96 To -62.82%



MAT 4031

MT= 66 (n,n') Level
Cross Section

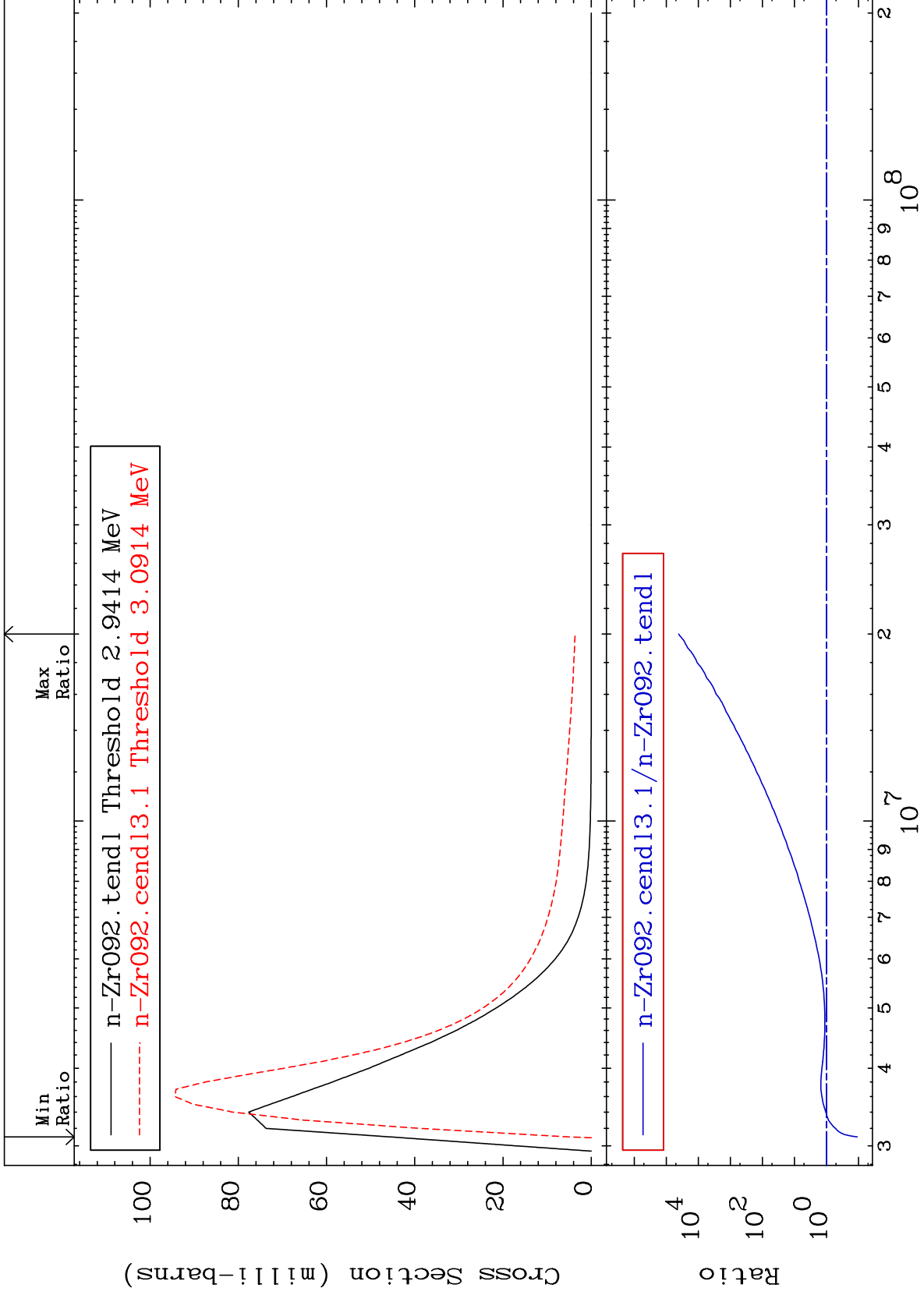
40-Zr-92
-47.61 To 9999. %



MAT 4031

MT= 67 (n,n') Level
Cross Section

40-Zr-92
-89.10 To 9999. %



24

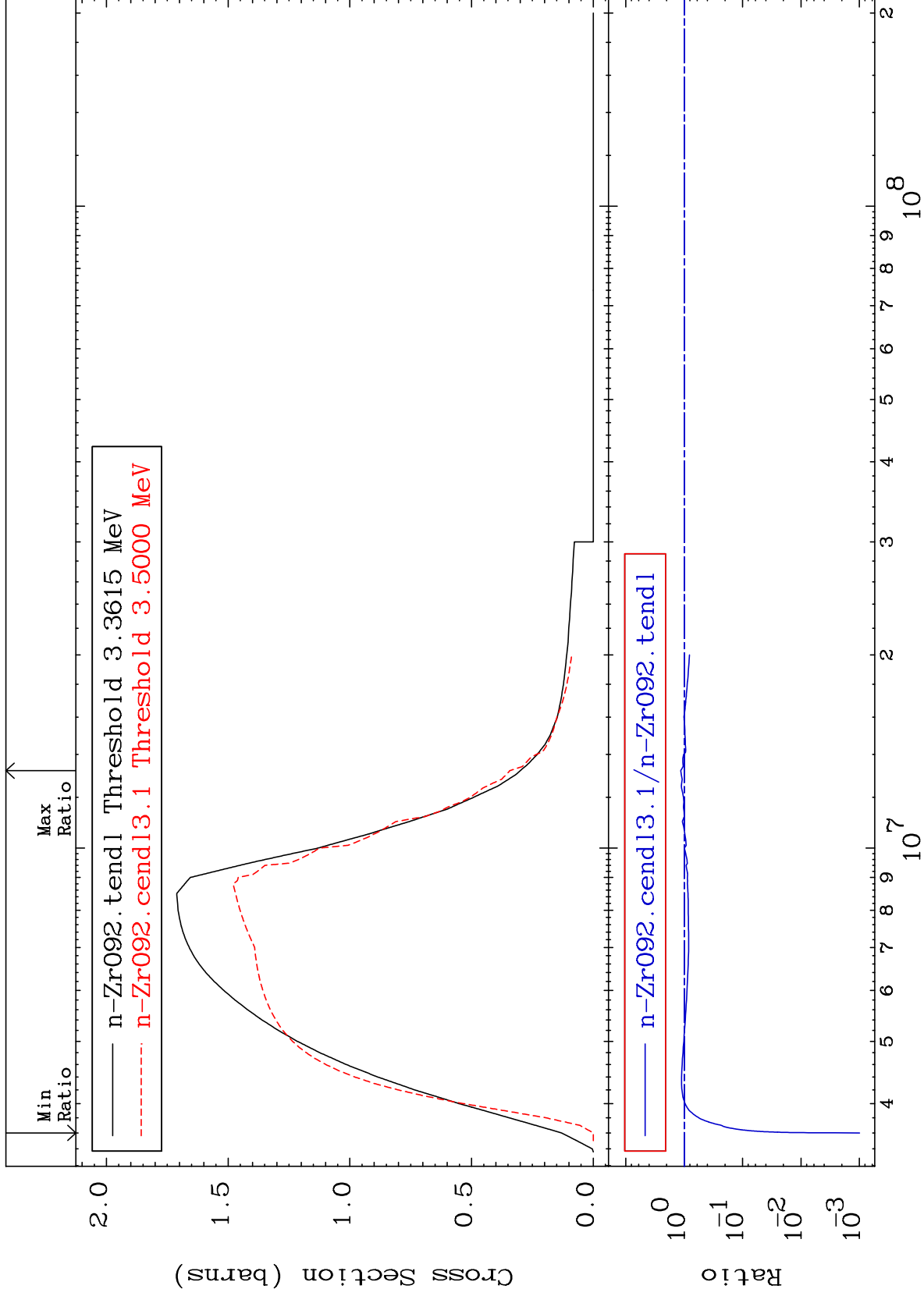
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') Continuum
Cross Section

40-Zr-92
-99.90 To 14.39 %



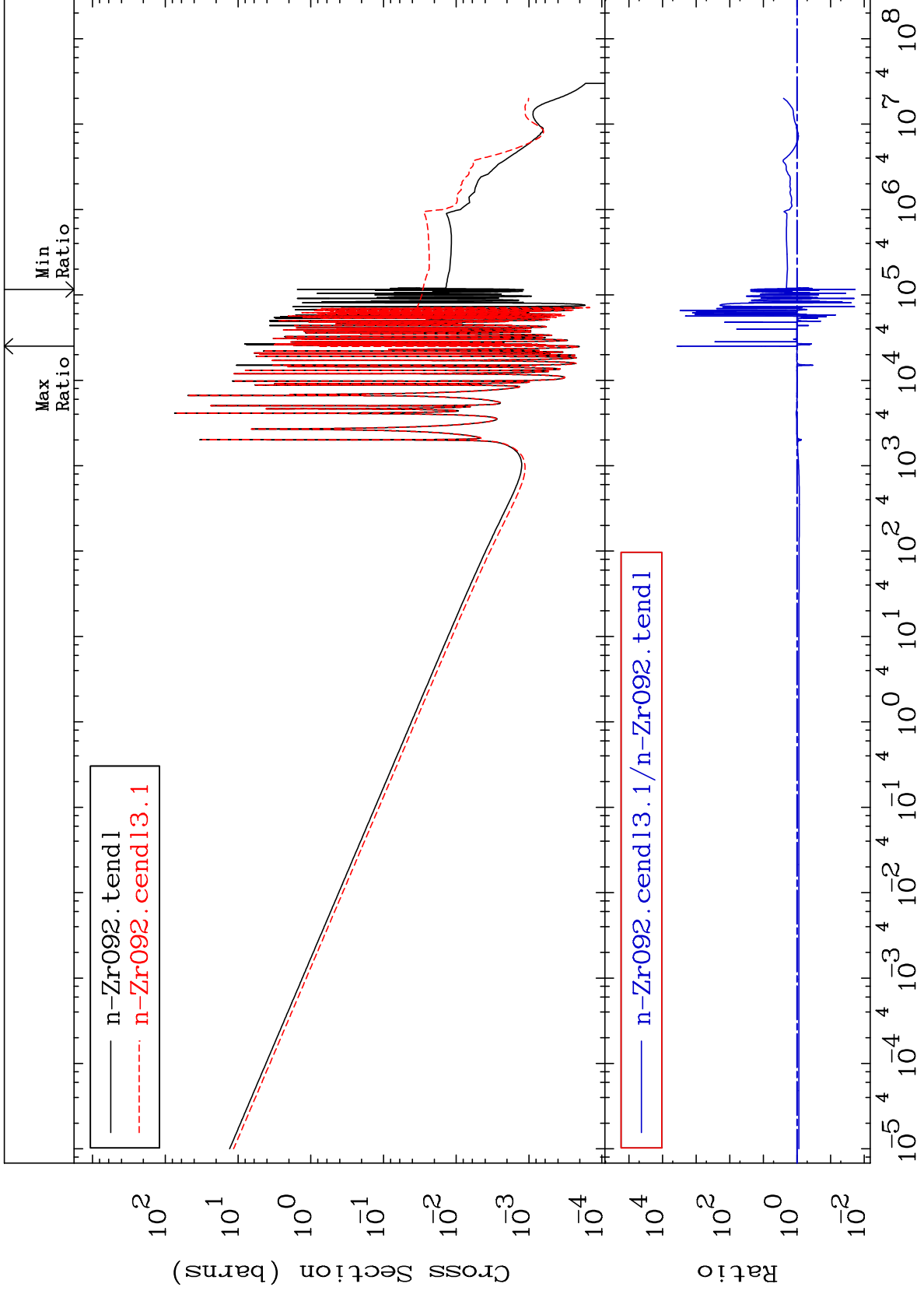
MAT 4031

(n, γ)

Cross Section

40-Zr-92

-98.12 To 9999. %



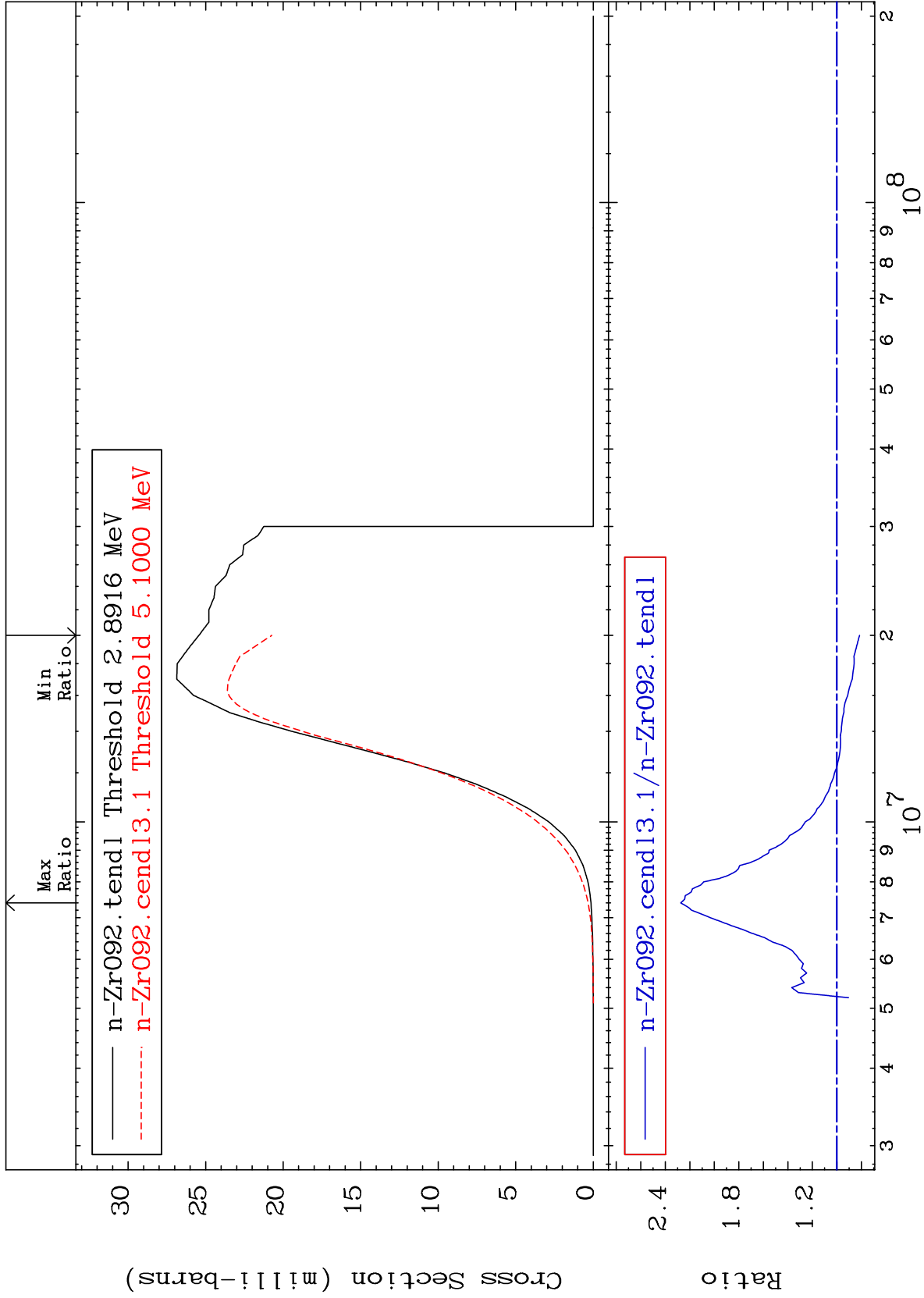
MAT 4031

(n,p)

40-Zr-92

Cross Section

-18.49 To 127.4 %



27

40-Zr-92

40-Zr-92

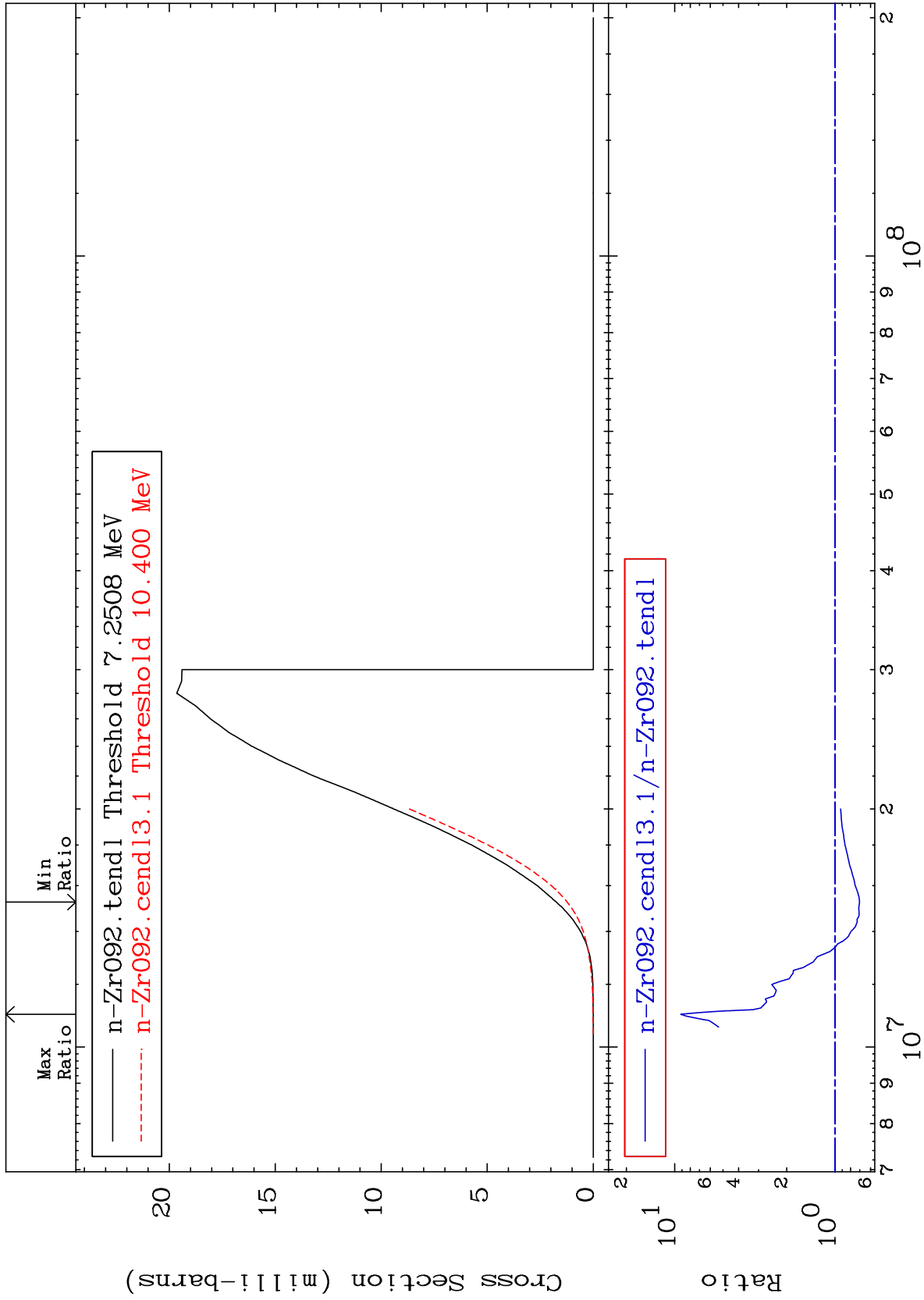
MAT 4031

(n, d)

40-Zr-92

Cross Section

-29.71 To 816.7 %



MAT 4031

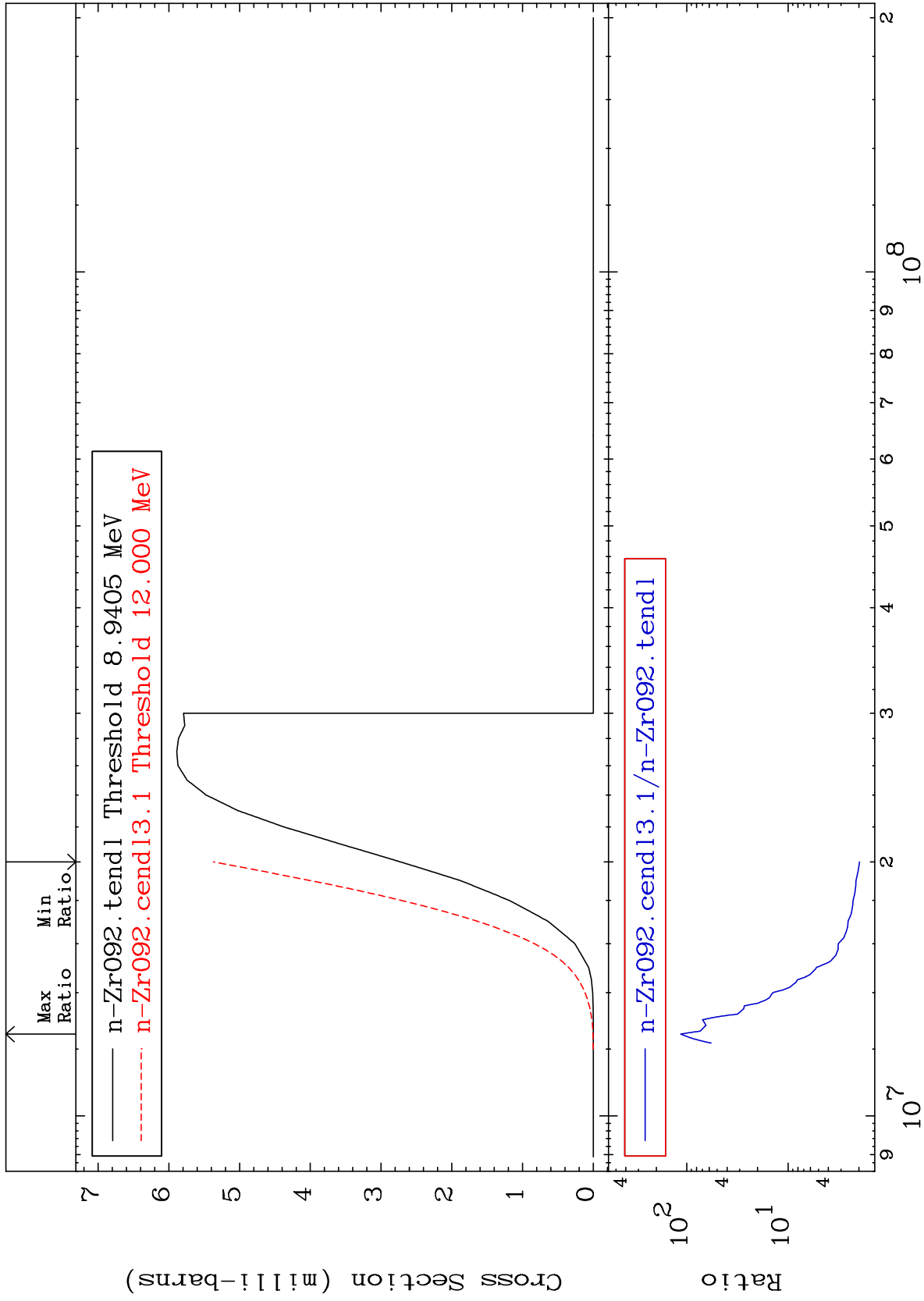
(n, t)

40-Zr-92

Cross Section

96.71

To 9999. %



29

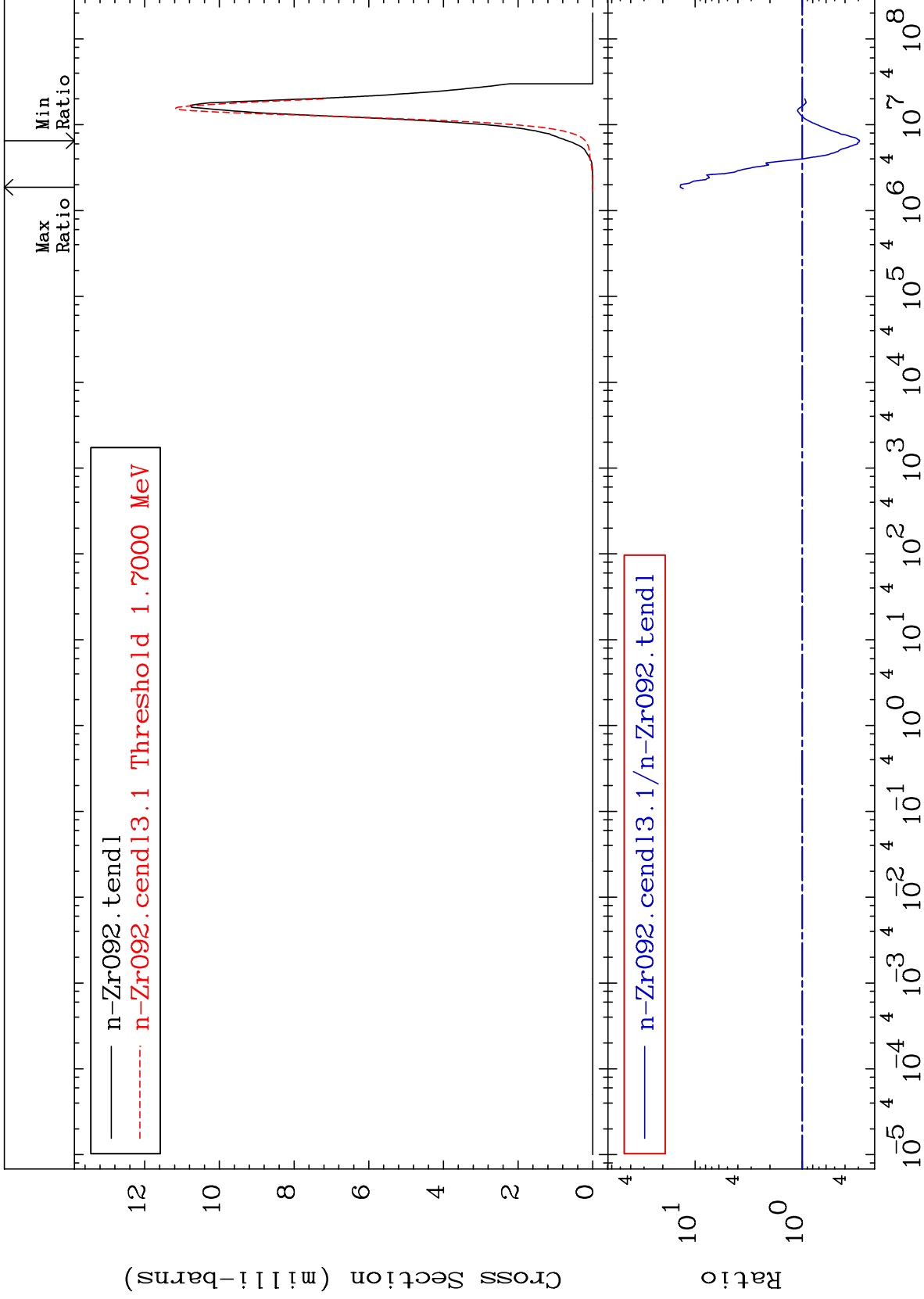
40-Zr-92

40-Zr-92

MAT 4031

(n, α)
Cross Section

40-Zr-92
-70.68 To 1274. %



30

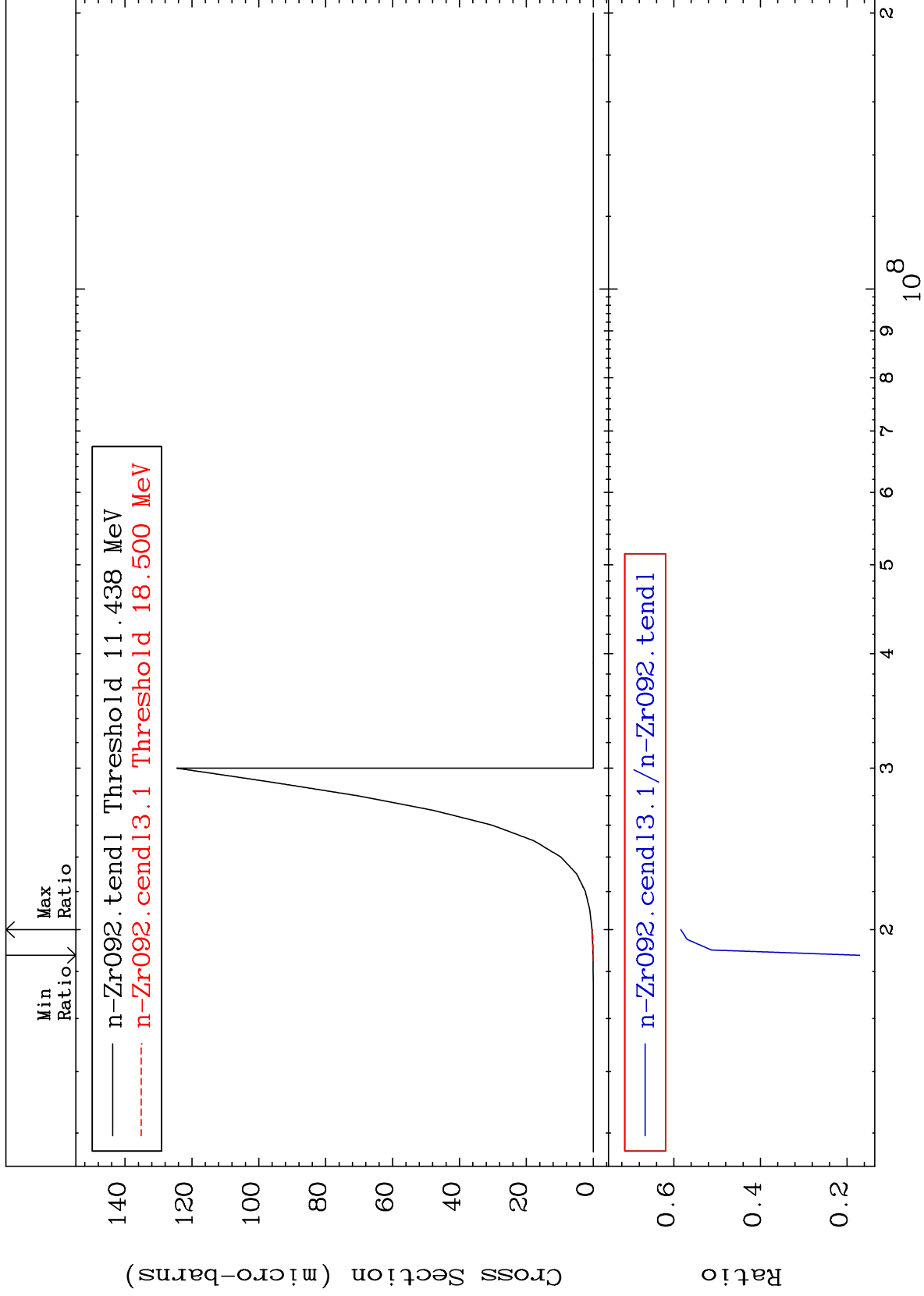
Incident Energy (eV)

40-Zr-92

MAT 4031

(n,2p)
Cross Section

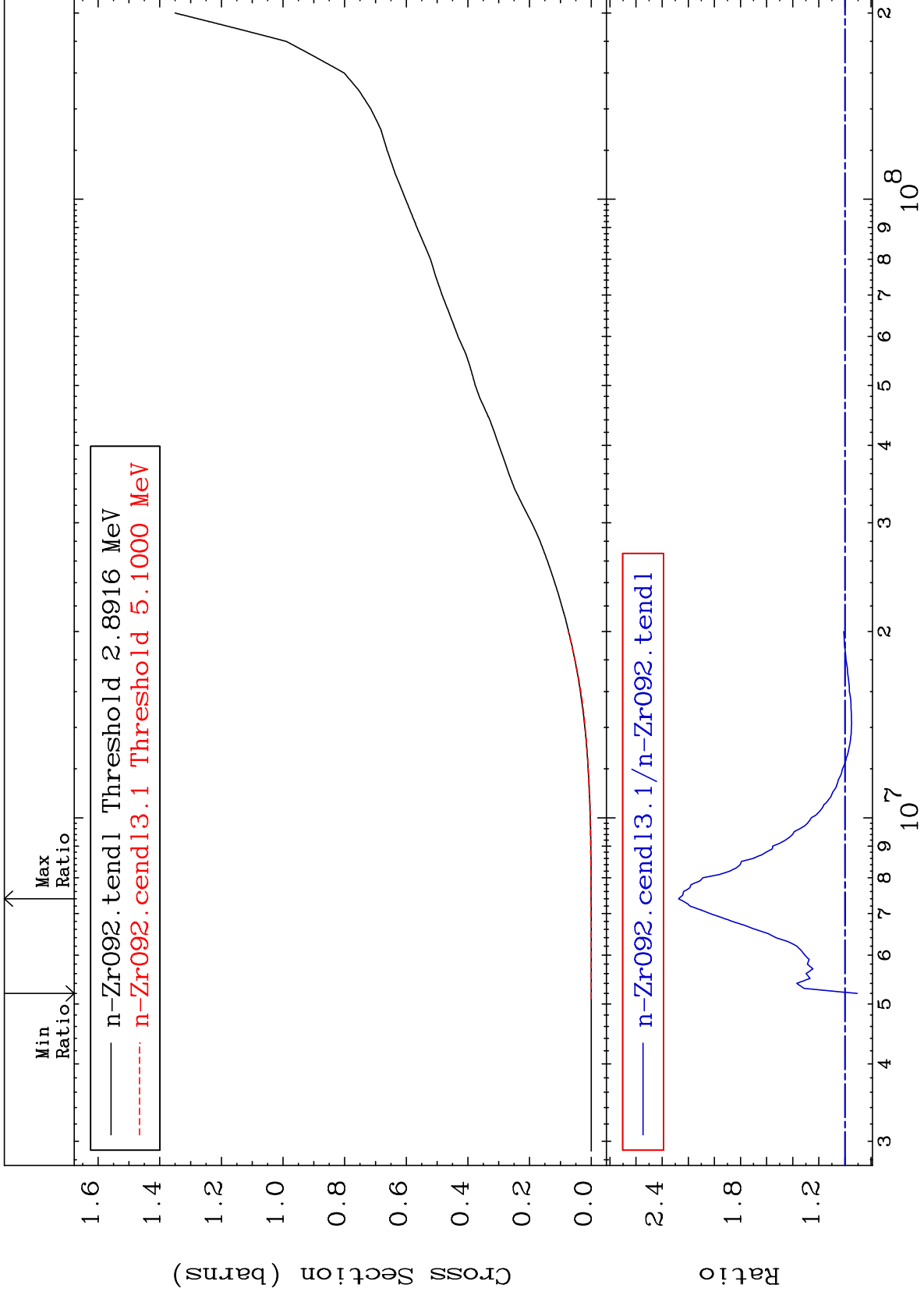
40-Zr-92
-82.91 To -41.60%



MAT 4031

Hydrogen Production
Cross Section

40-Zr-92
-9.422 To 127.4 %



32

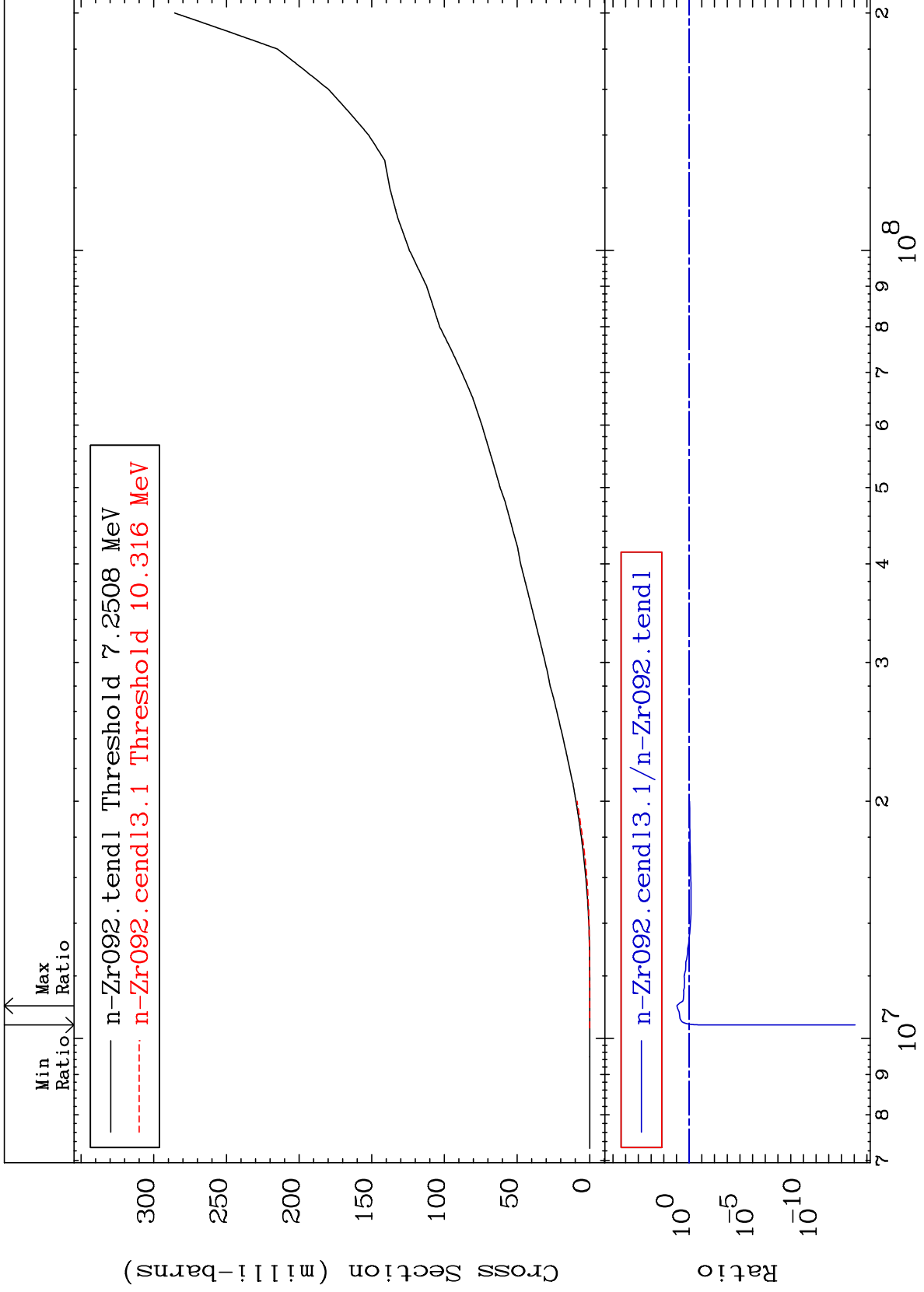
Incident Energy (eV)

40-Zr-92

MAT 4031

Deuterium Production Cross Section

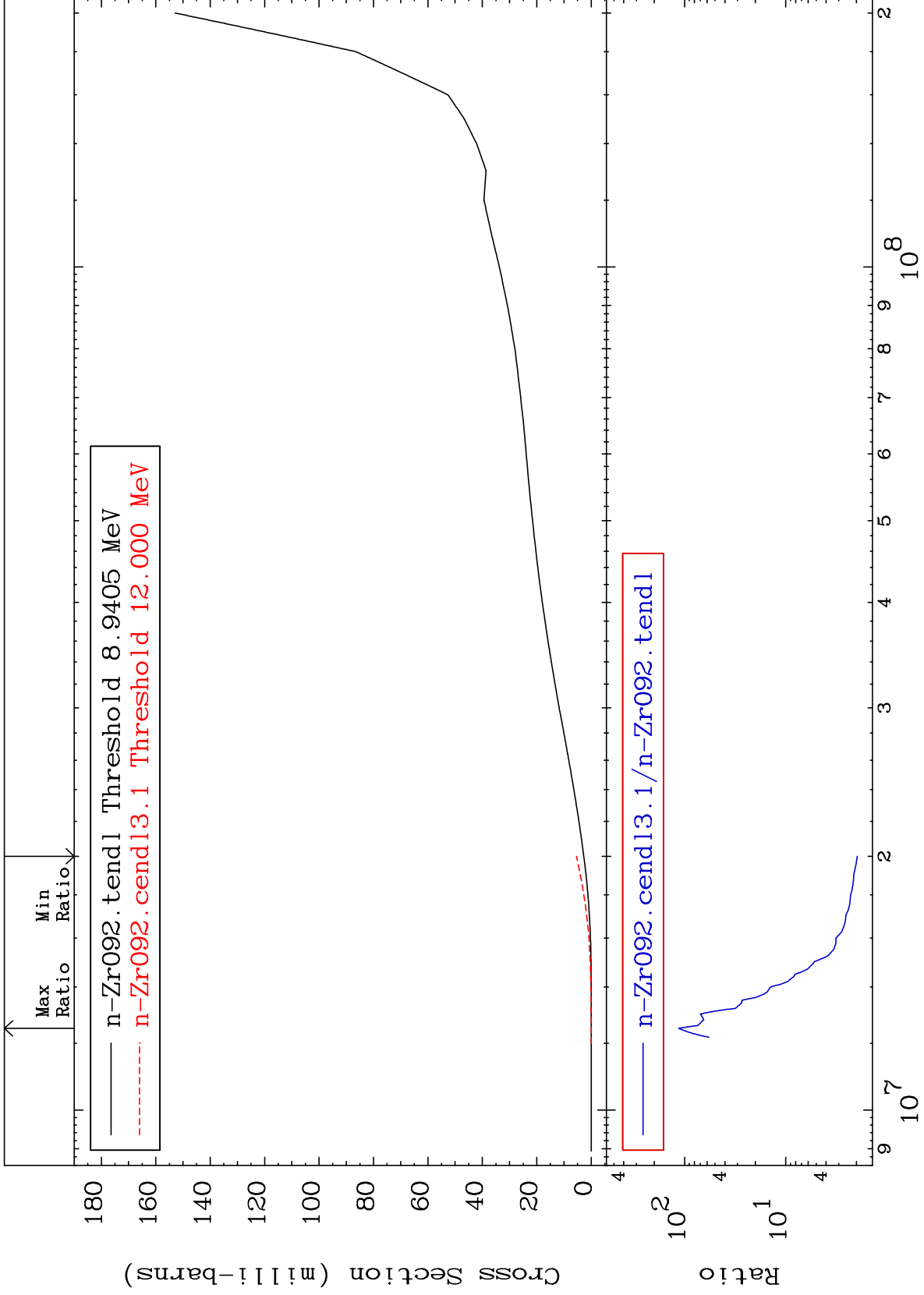
40-Zr-92
-100.0 To 816.7 %



MAT 4031

Tritium Production
Cross Section

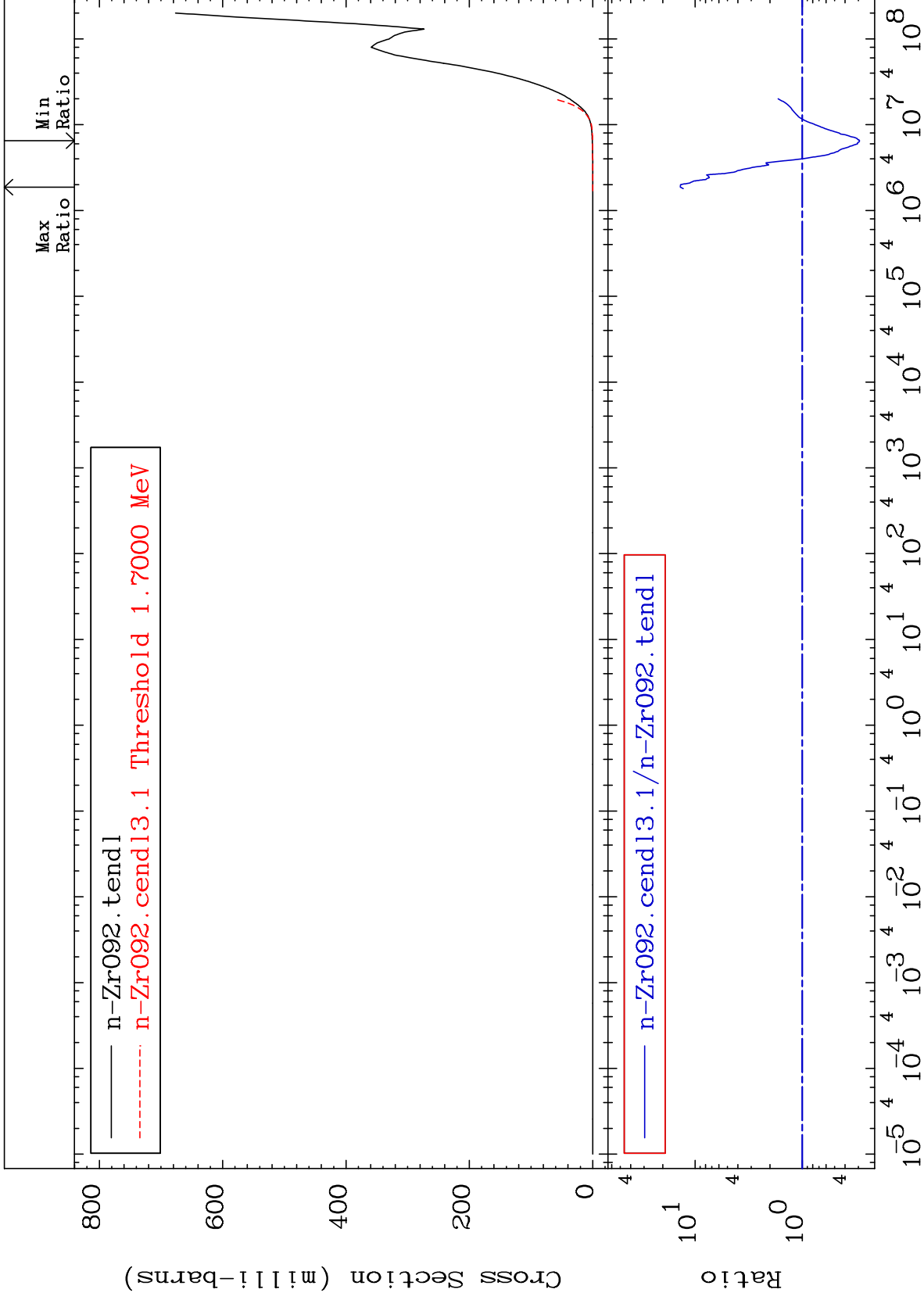
40-Zr-92
96.64 To 9999. %



34

Incident Energy (eV)

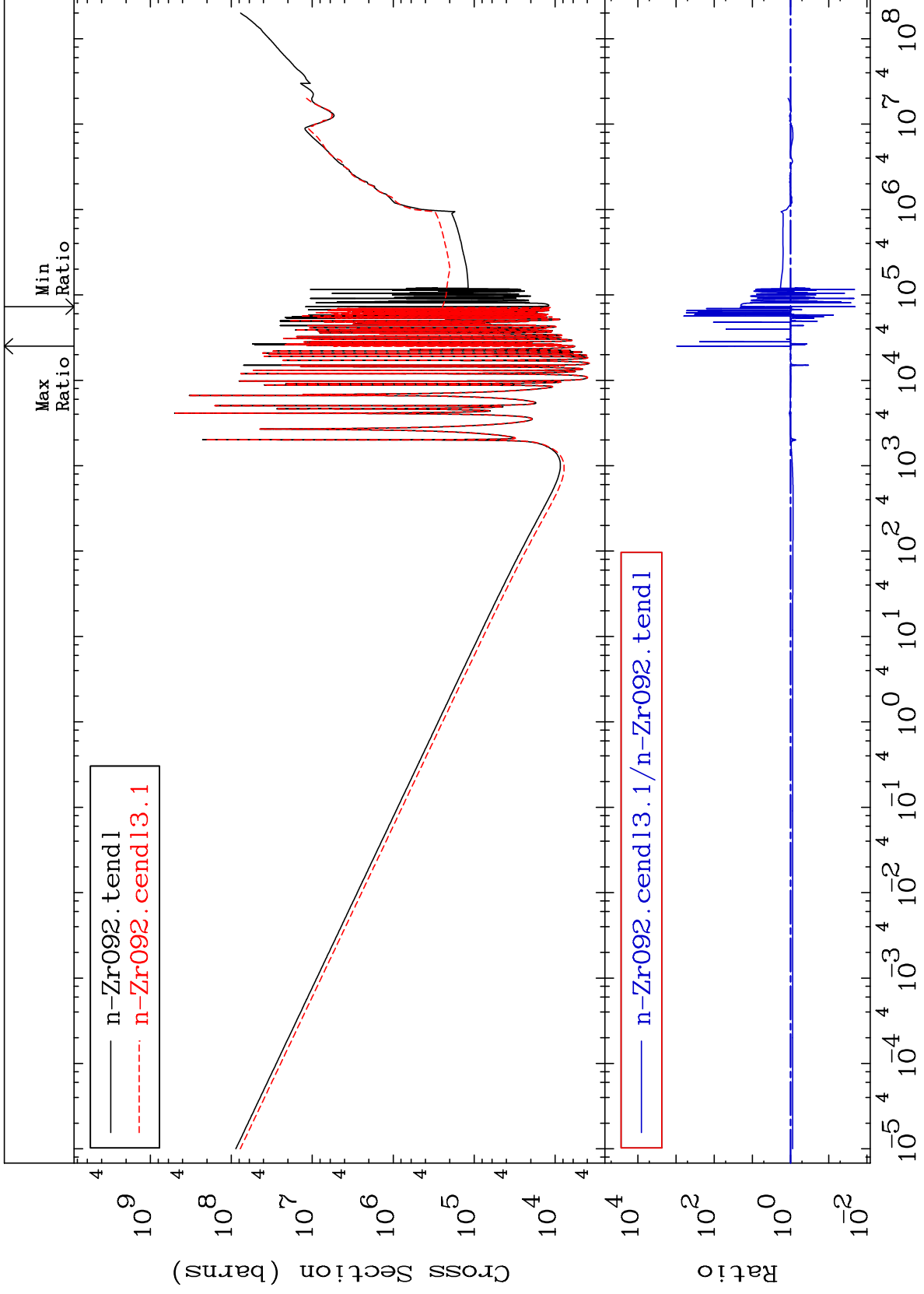
40-Zr-92



MAT 4031

Kerma total (eV-barns)
Cross Section

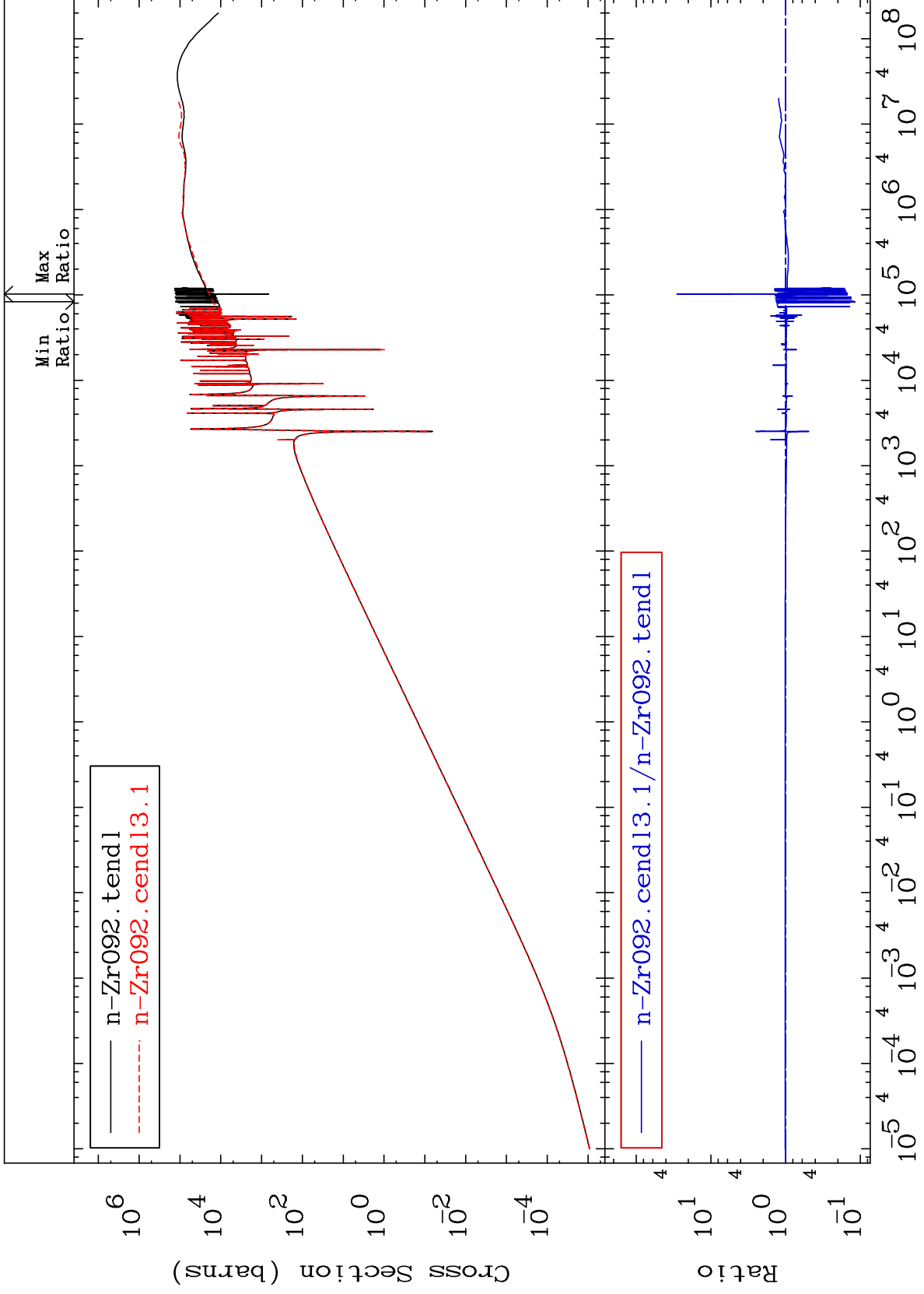
40-Zr-92
-97.96 To 9999. %

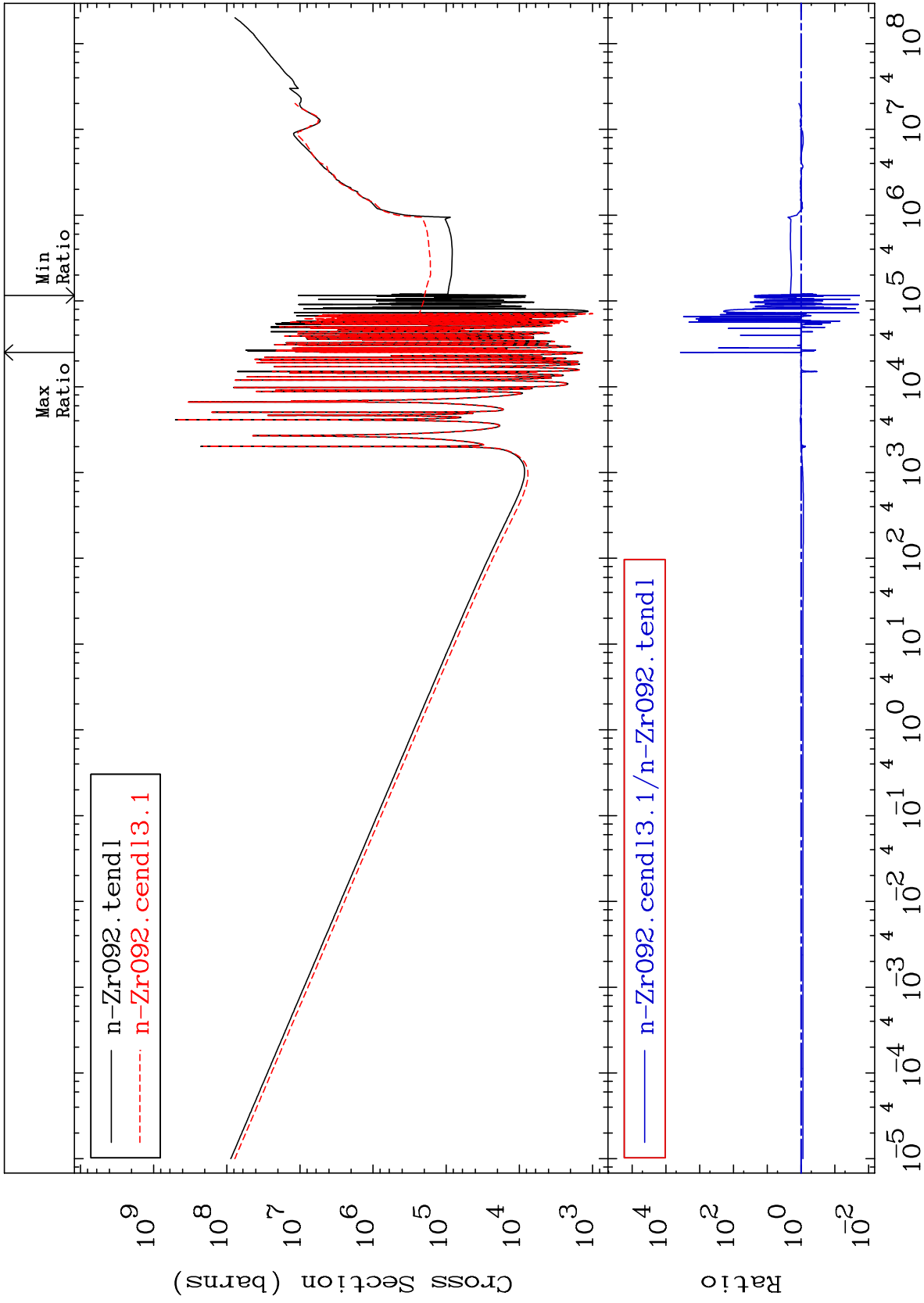


MAT 4031

Kerma elastic
Cross Section

40-Zr-92
-88.25 To 2746. %

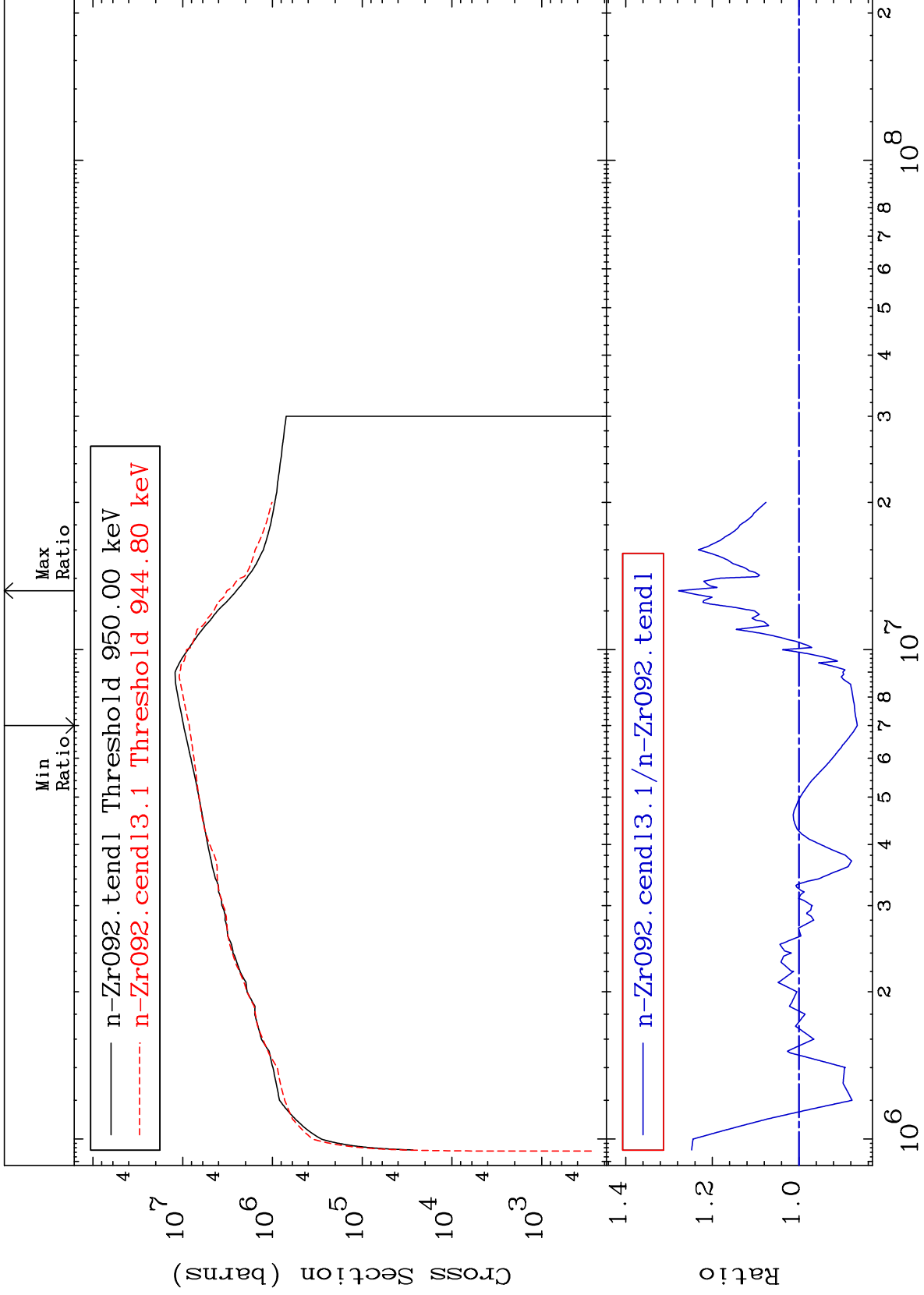




MAT 4031

Kerma inelastic (mt51-91)
Cross Section

40-Zr-92
-13.47 To 27.77 %



39

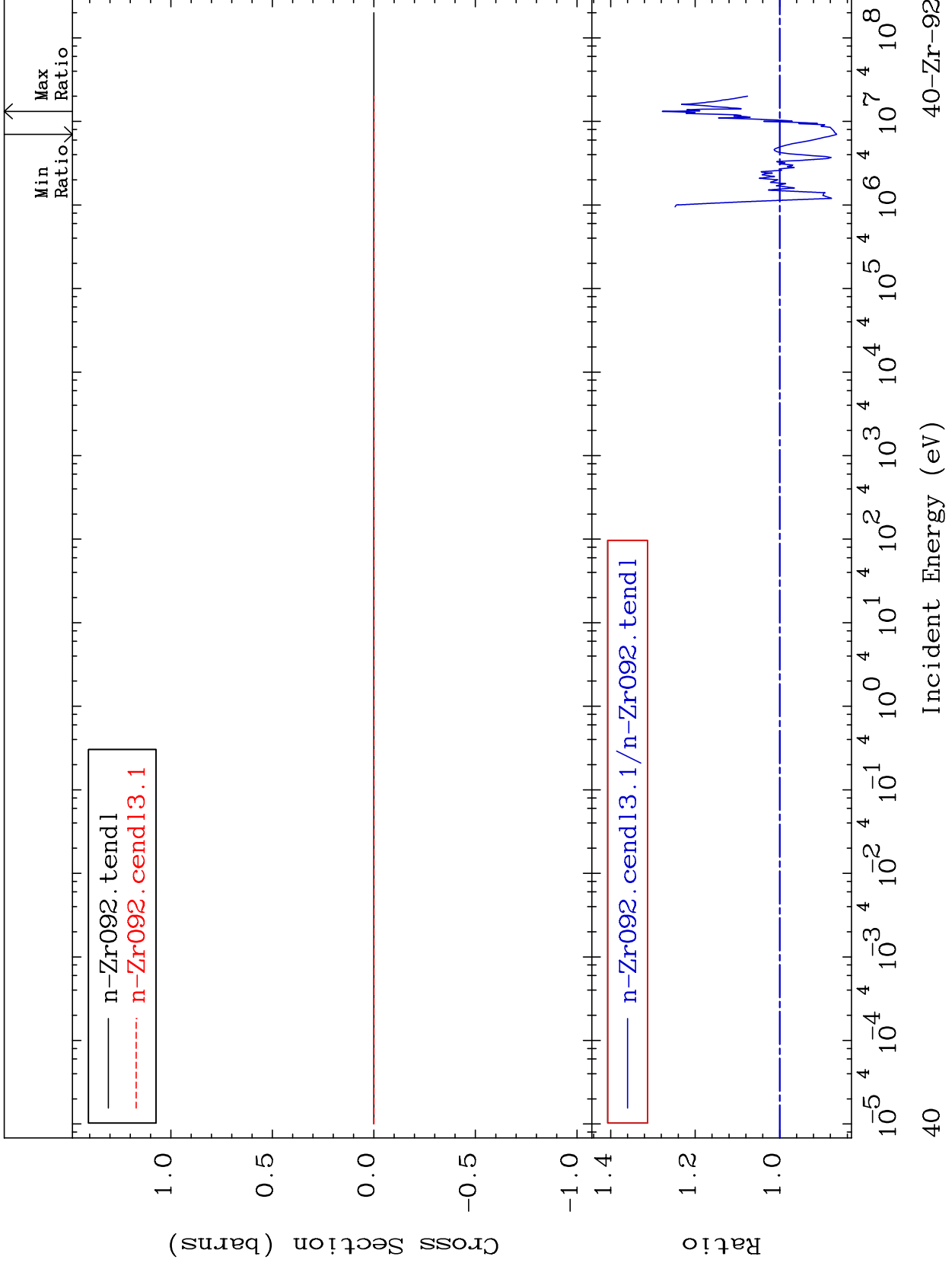
Incident Energy (eV)

40-Zr-92

MAT 4031

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

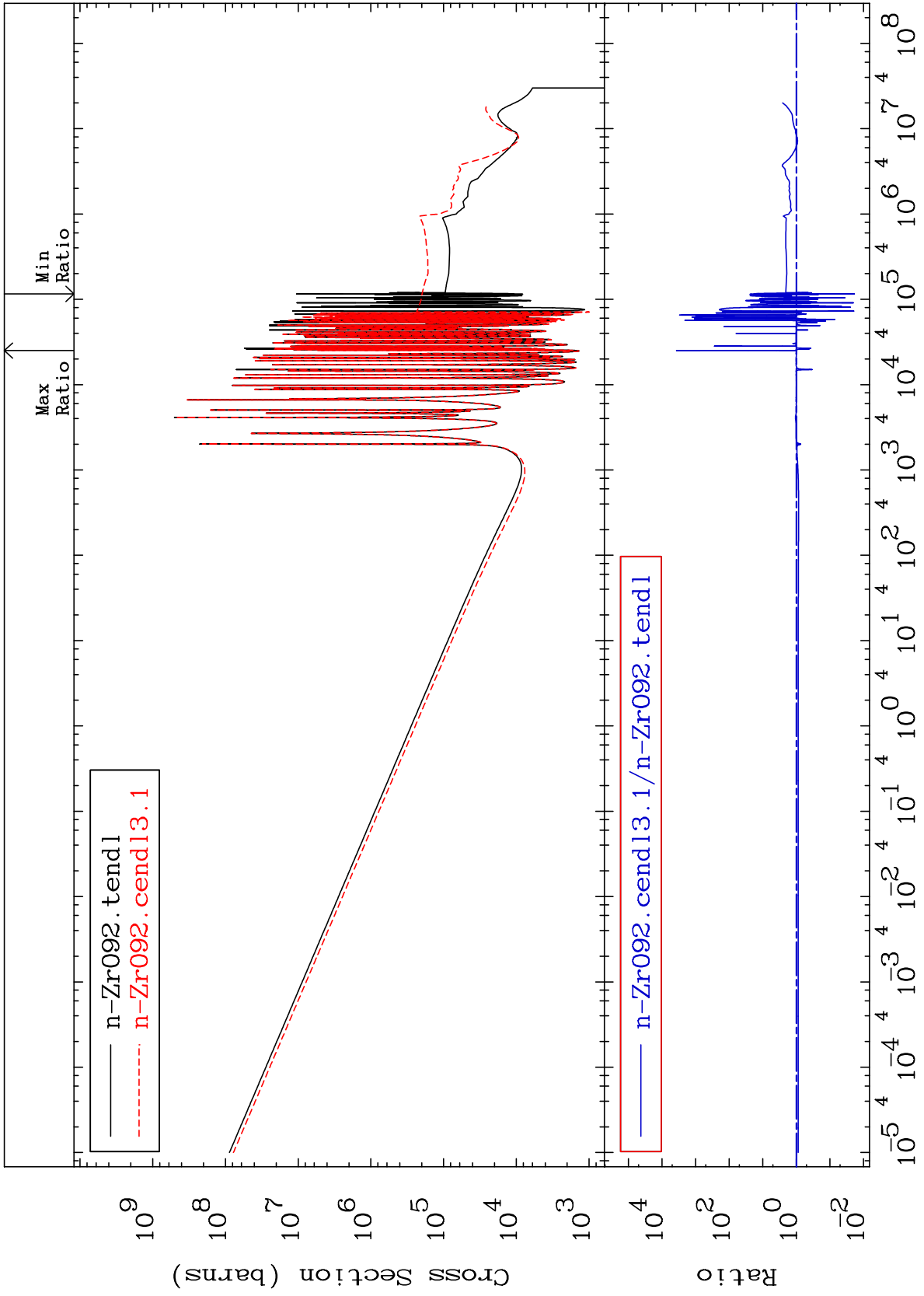
40-Zr-92
-13.47 To 27.77 %



MAT 4031

Kerma capture (mt102)
Cross Section

40-Zr-92
-98.12 To 9999. %



41

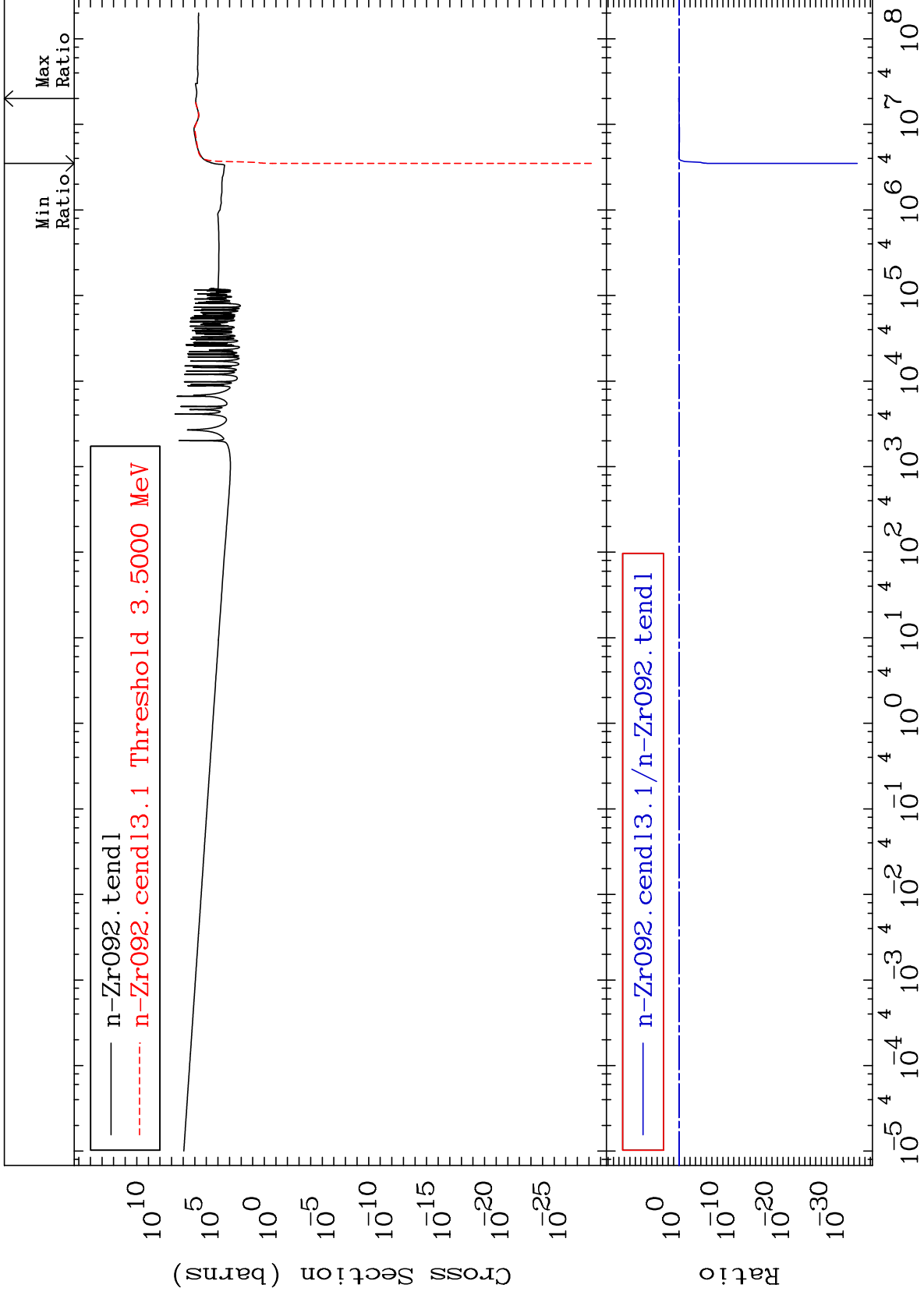
Incident Energy (eV)

40-Zr-92

MAT 4031

Total photon (eV-barns)
Cross Section

40-Zr-92
-100.0 To 19.50 %

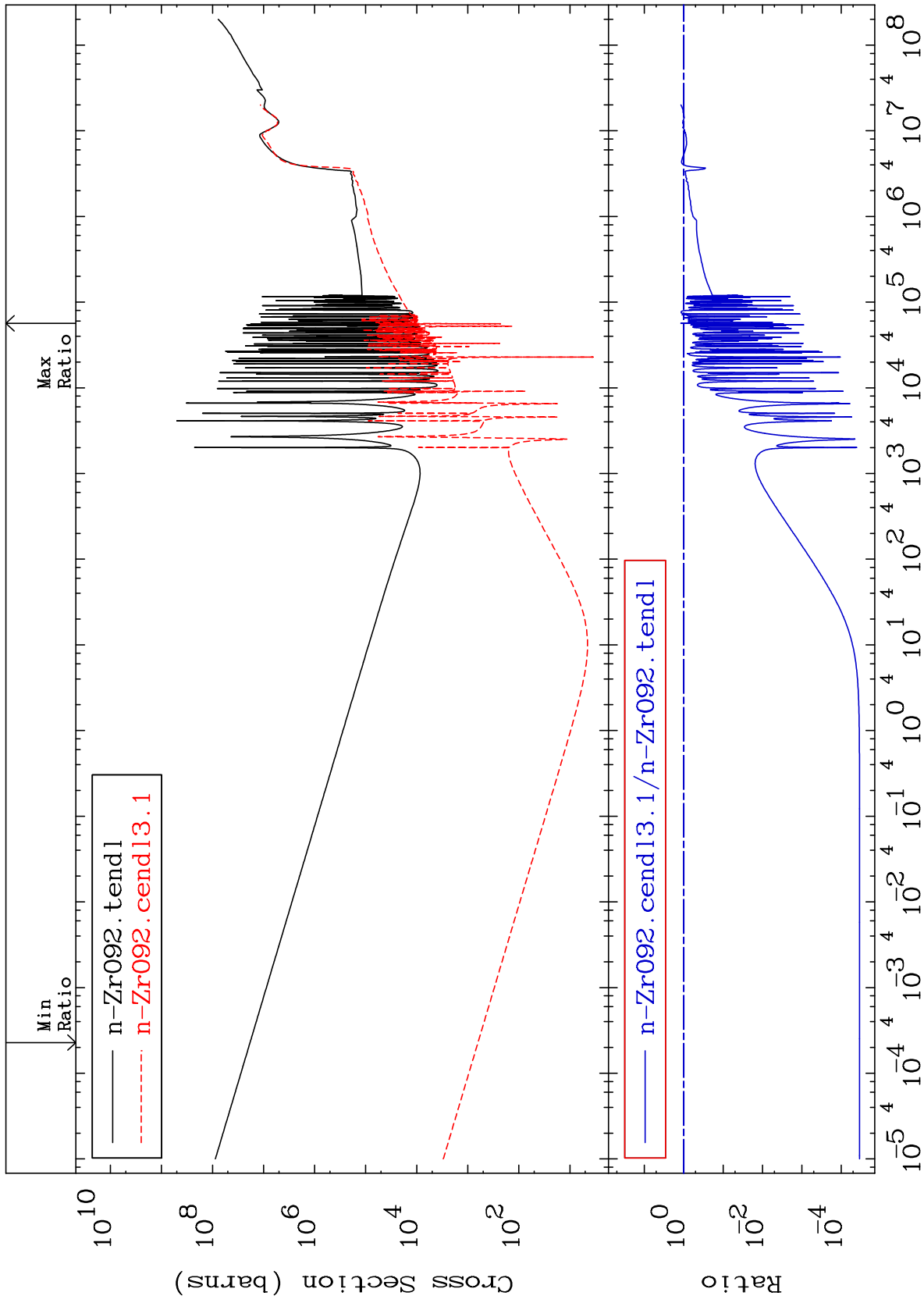


42

Incident Energy (eV)

40-Zr-92

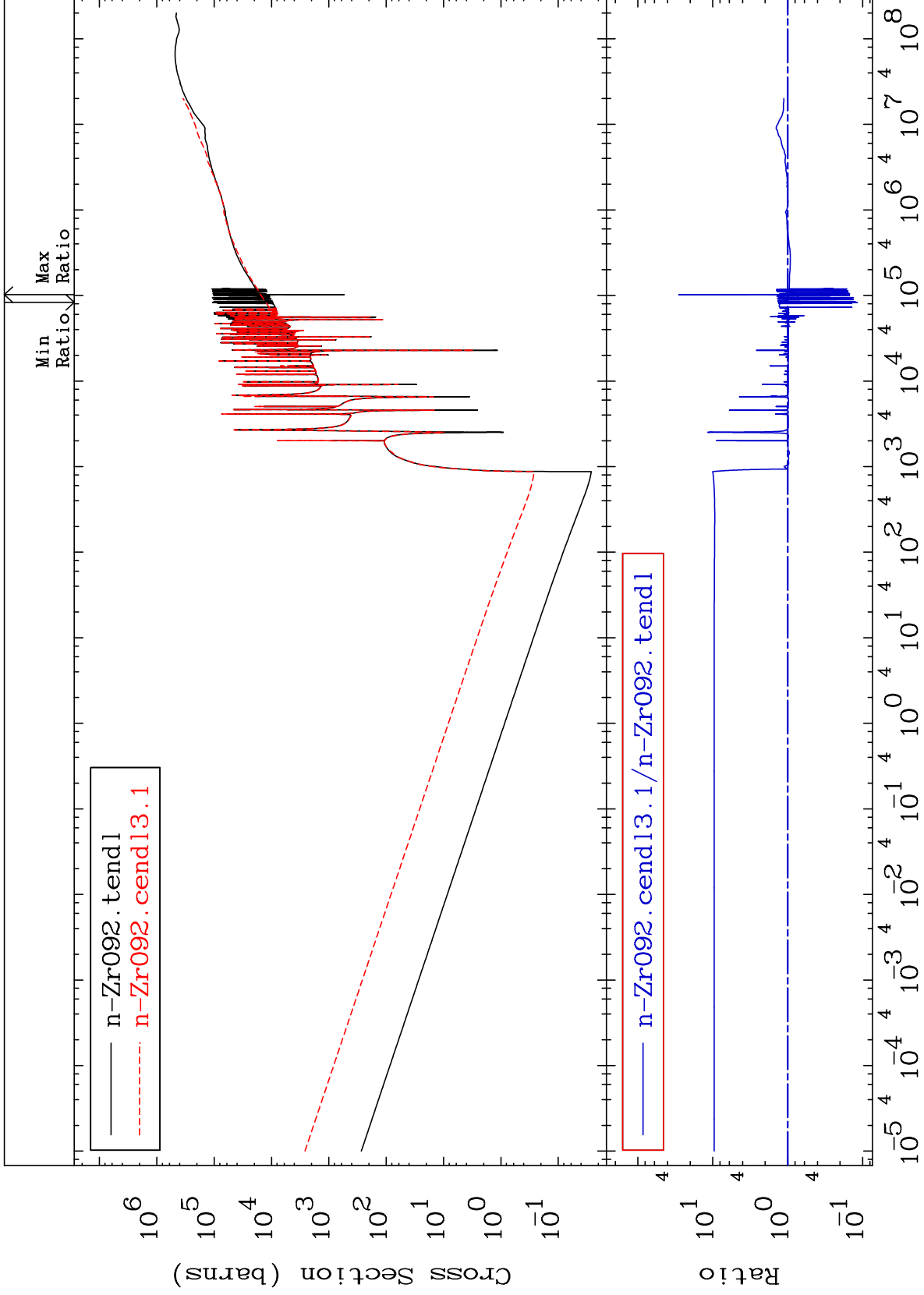
MAT 4031 Total kinematic kerma (high limit) 40-Zr-92
 Cross Section -100.0 To 18.98 %



MAT 4031

Dpa total (eV-barns)
Cross Section

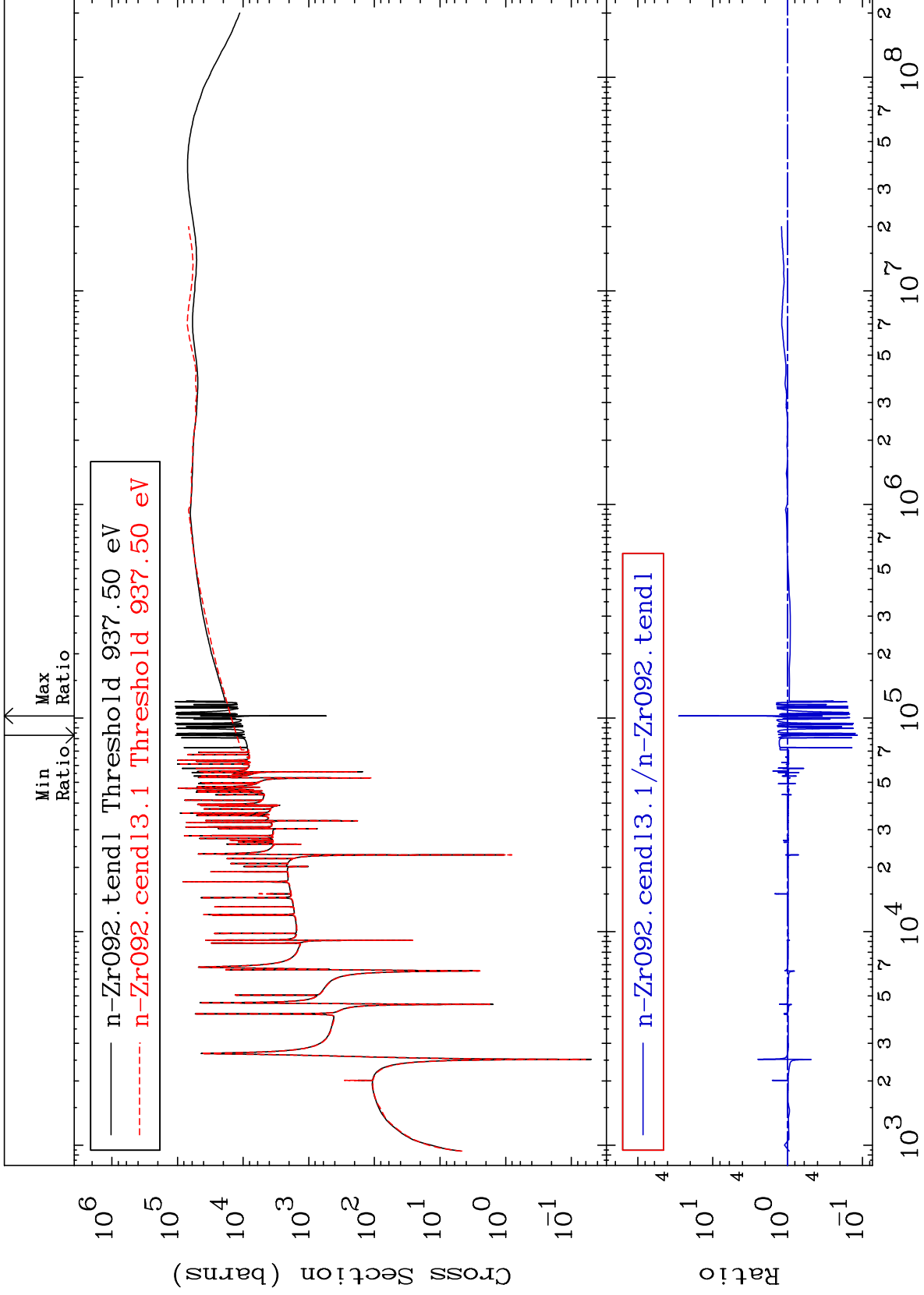
40-Zr-92
-88.20 To 2756. %



MAT 4031

Dpa elastic (mt2)
Cross Section

40-Zr-92
-88.23 To 2751. %



45

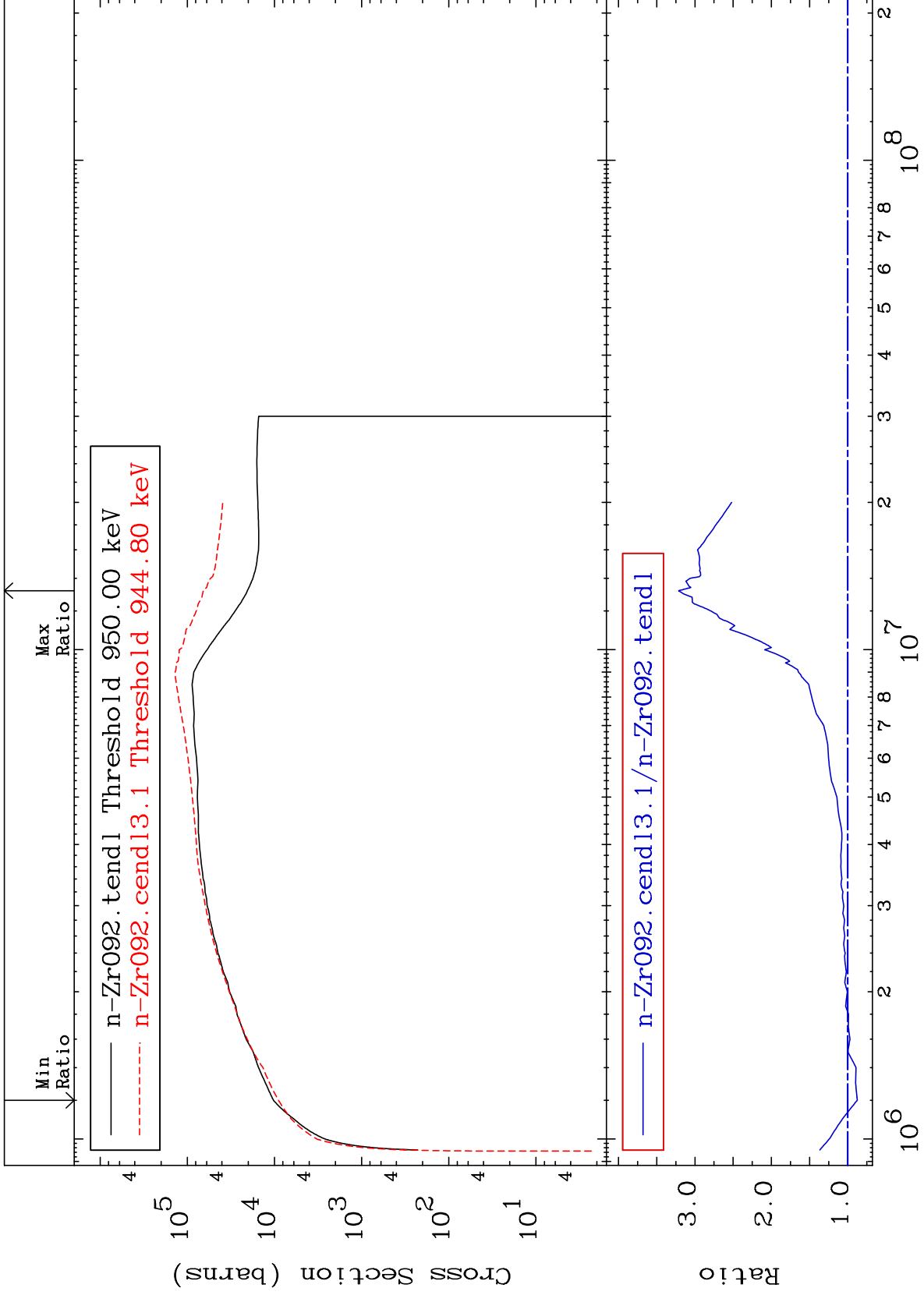
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa inelastic (mt51-91)
Cross Section

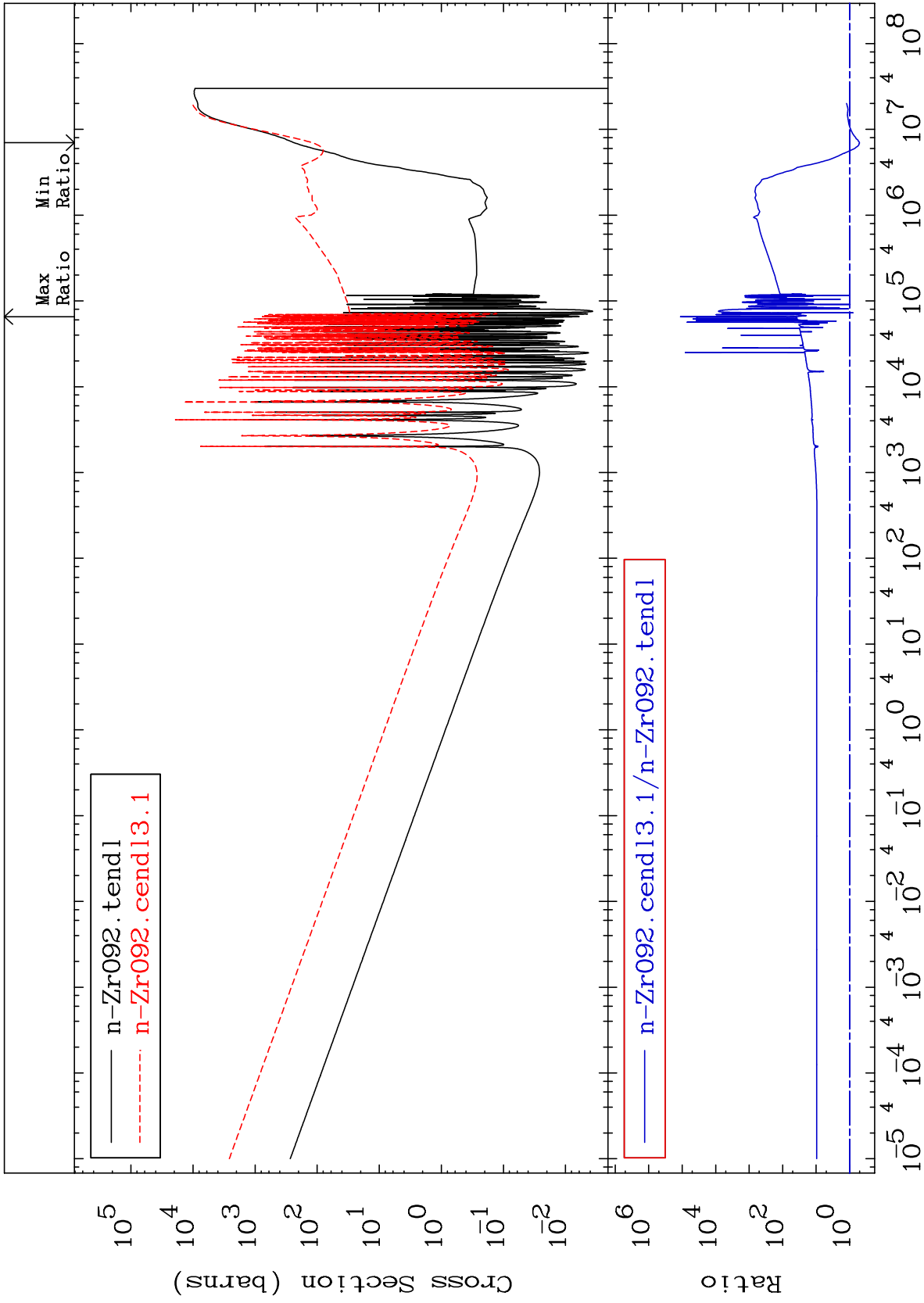
40-Zr-92
-12.39 To 221.3 %



MAT 4031

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-92
-49.20 To 9999. %



47

Incident Energy (eV)

40-Zr-92