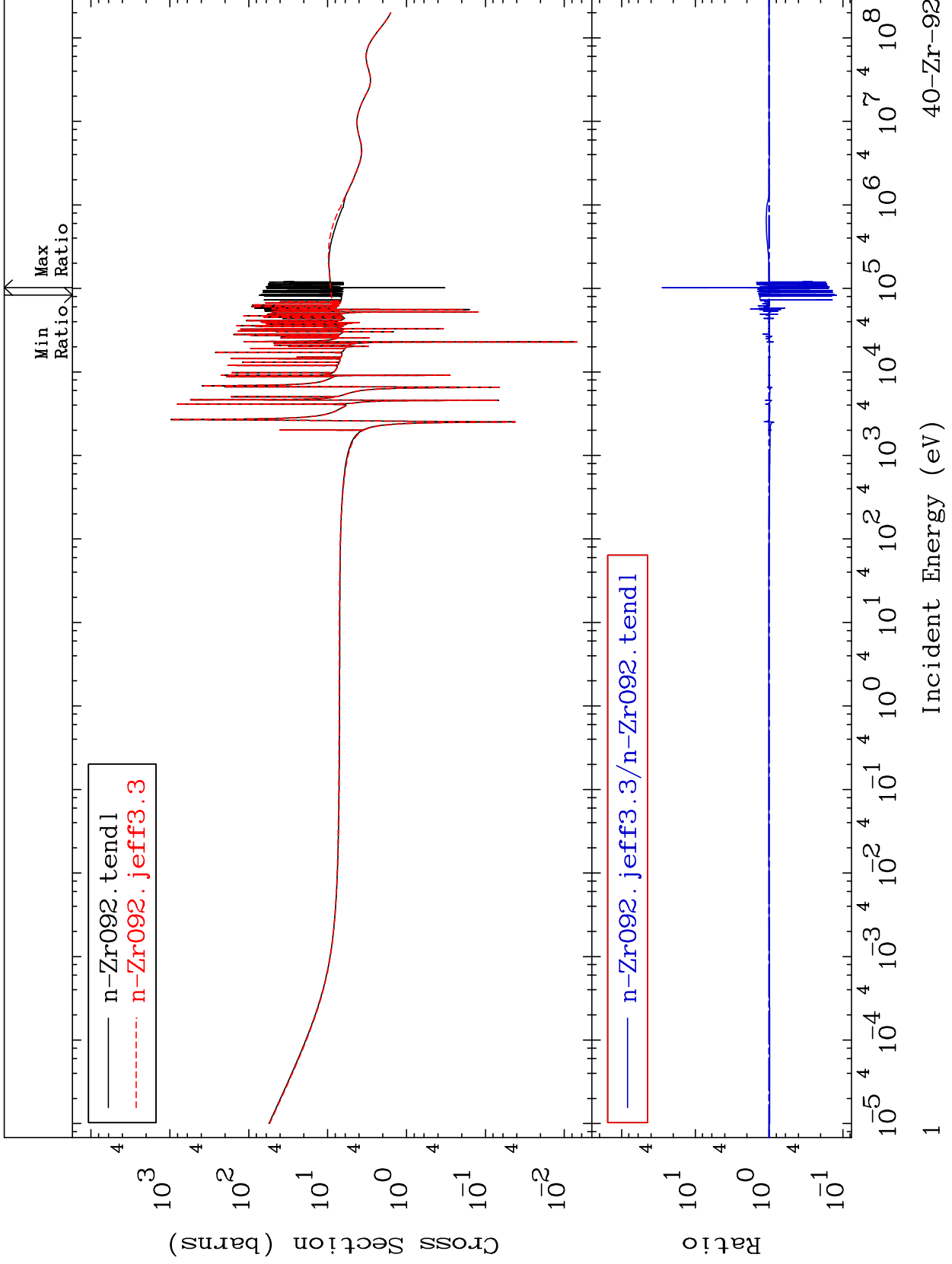


MAT 4031

Total  
Cross Section

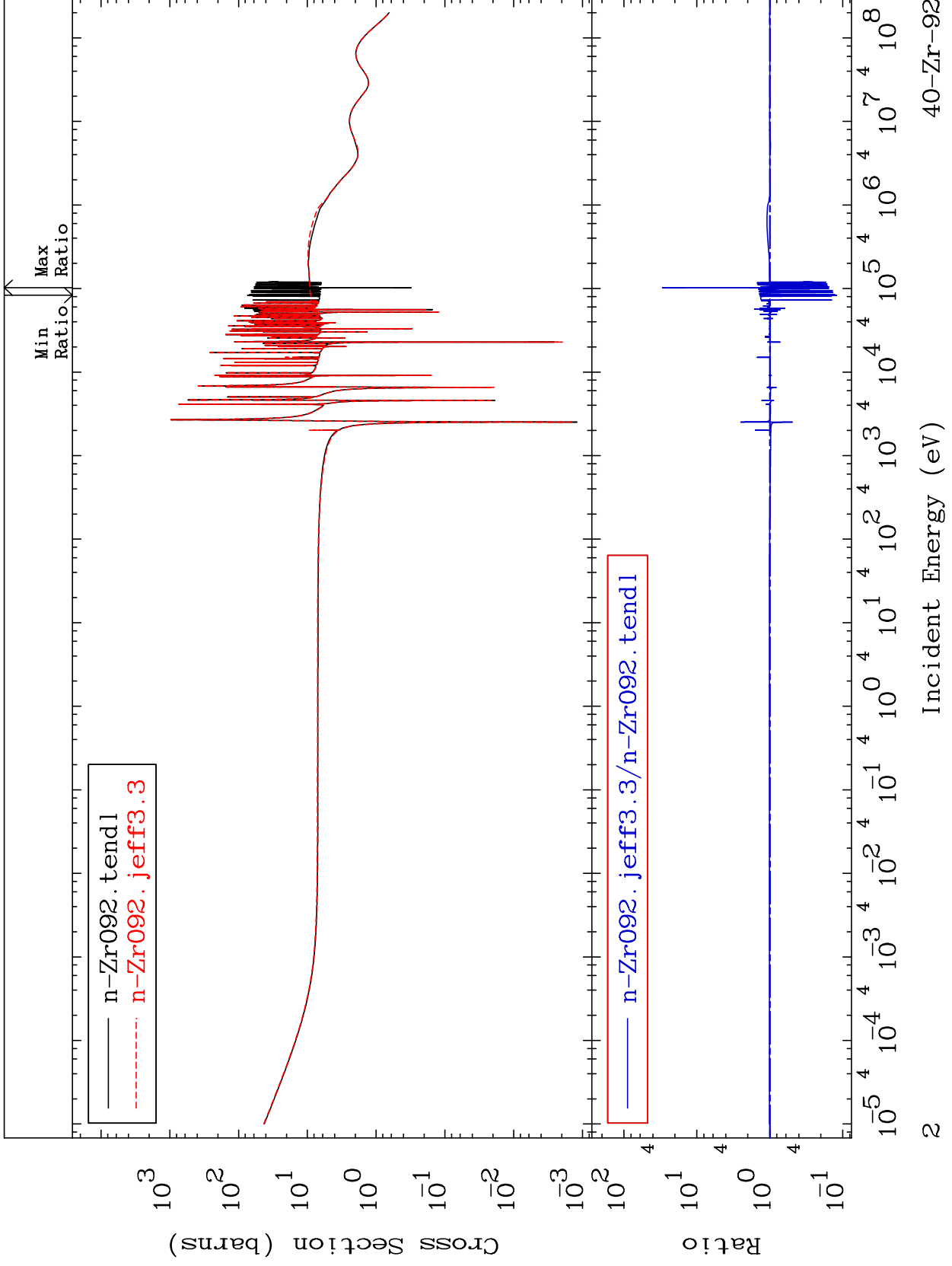
40-Zr-92  
-87.86 To 2712. %



MAT 4031

Elastic  
Cross Section

40-Zr-92  
-87.89 To 2873. %



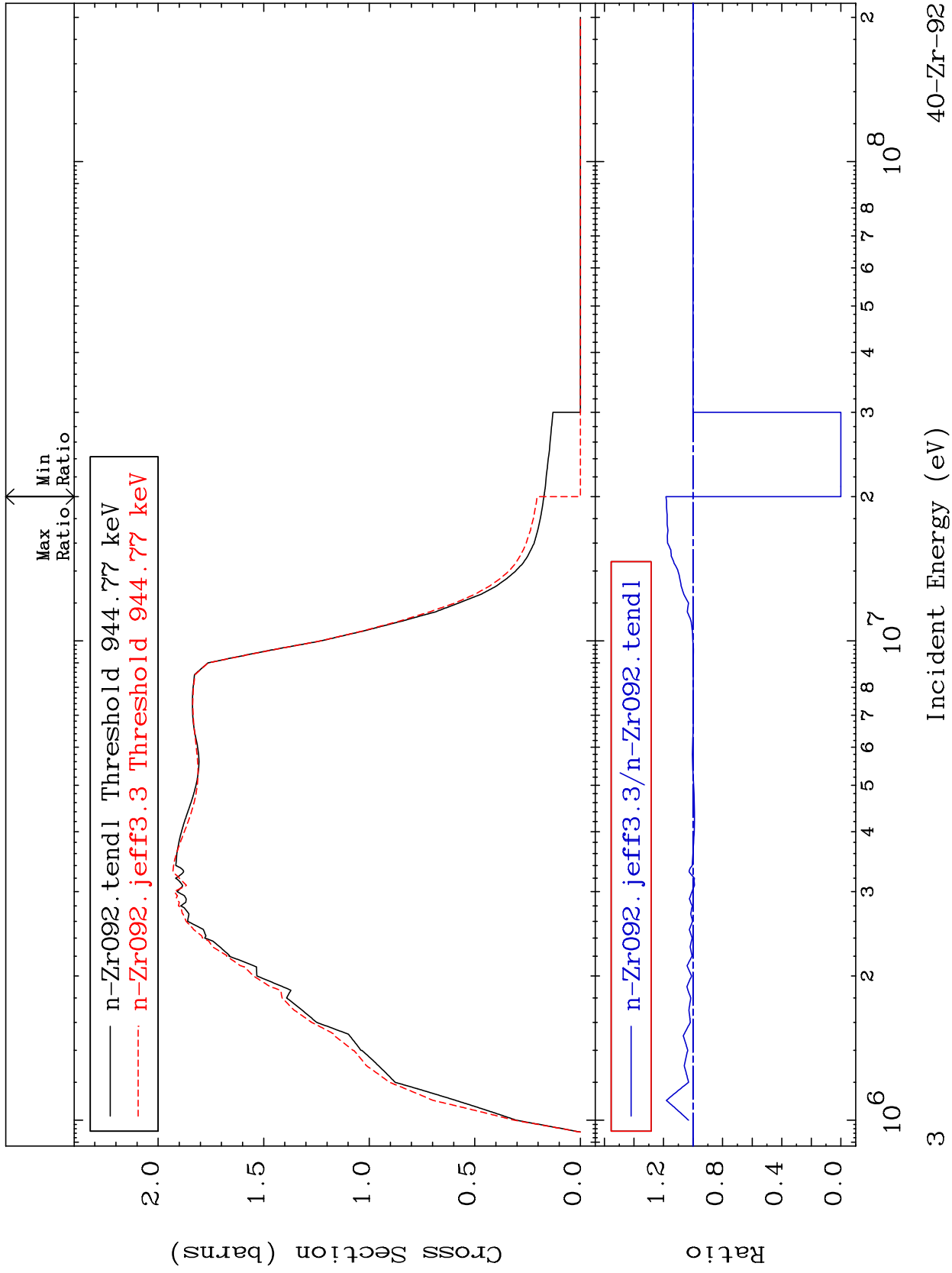
40-Zr-92

Incident Energy (eV)

2

MAT 4031

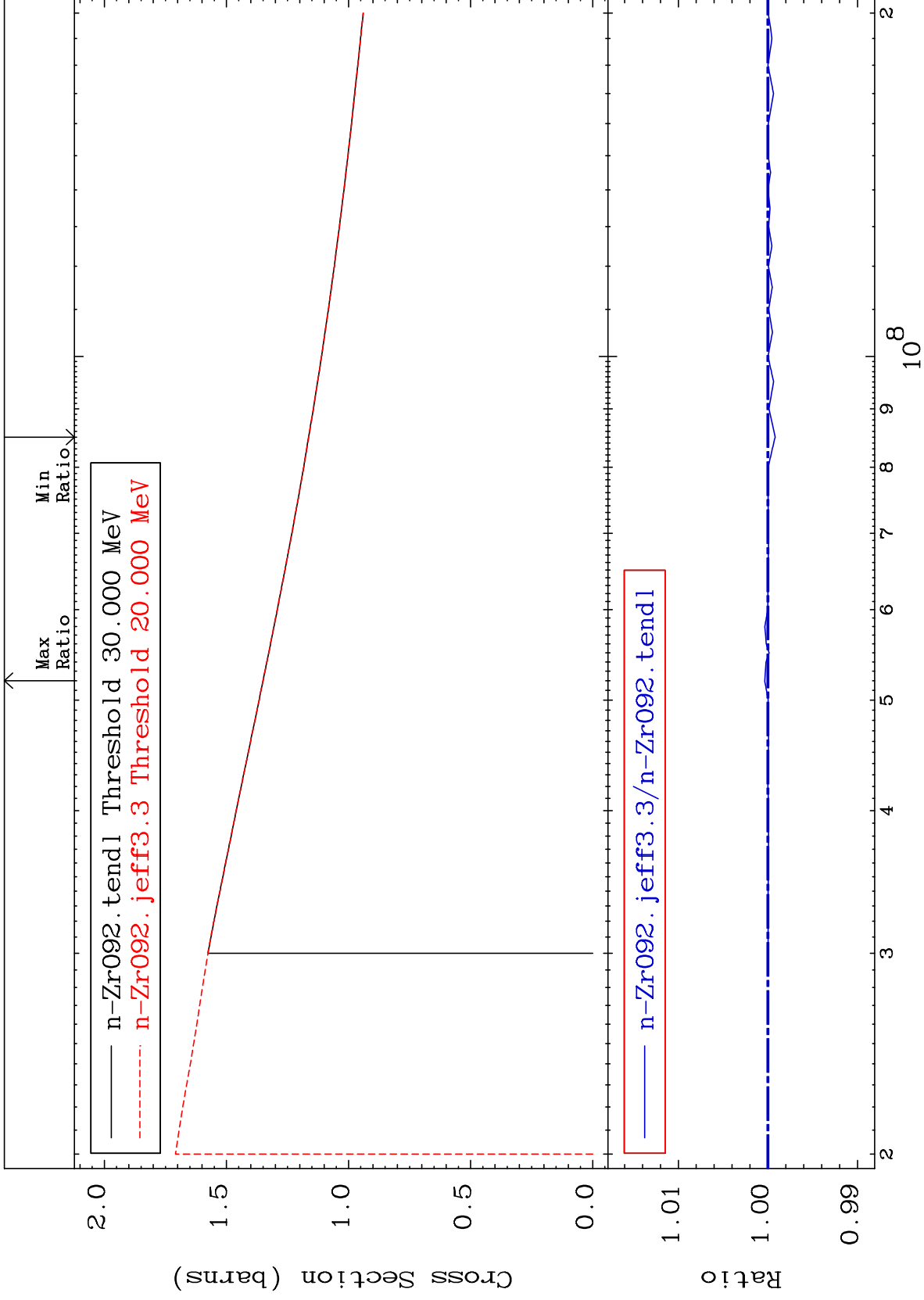
Inelastic Cross Section  
40-Zr-92  
-100.0 To 18.35 %



MAT 4031

(n, remainder)  
Cross Section

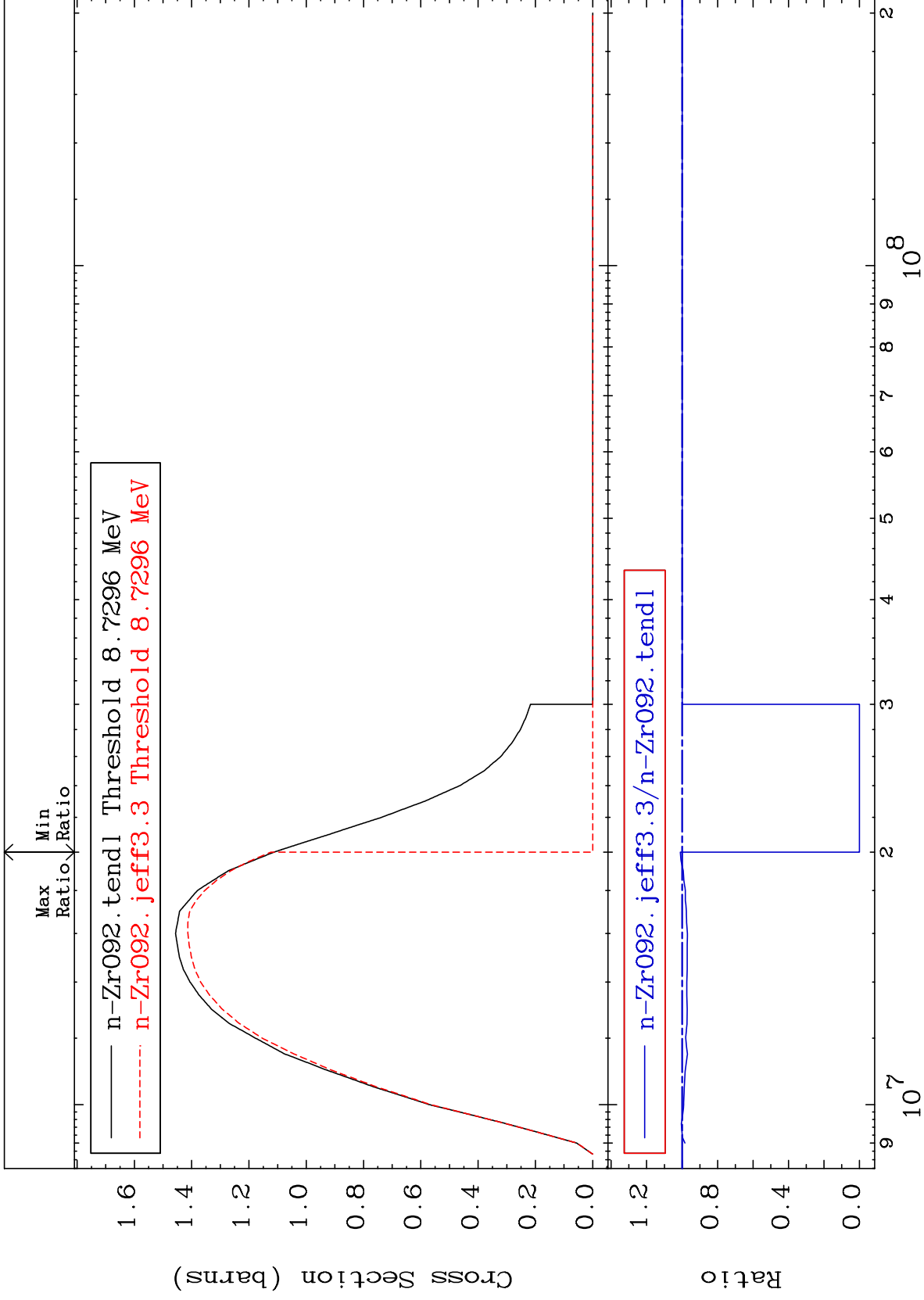
40-Zr-92  
-0.080 To 0.036 %



MAT 4031

(n,2n)  
Cross Section

40-Zr-92  
-100.0 To 0.980 %



5

Incident Energy (eV)

40-Zr-92

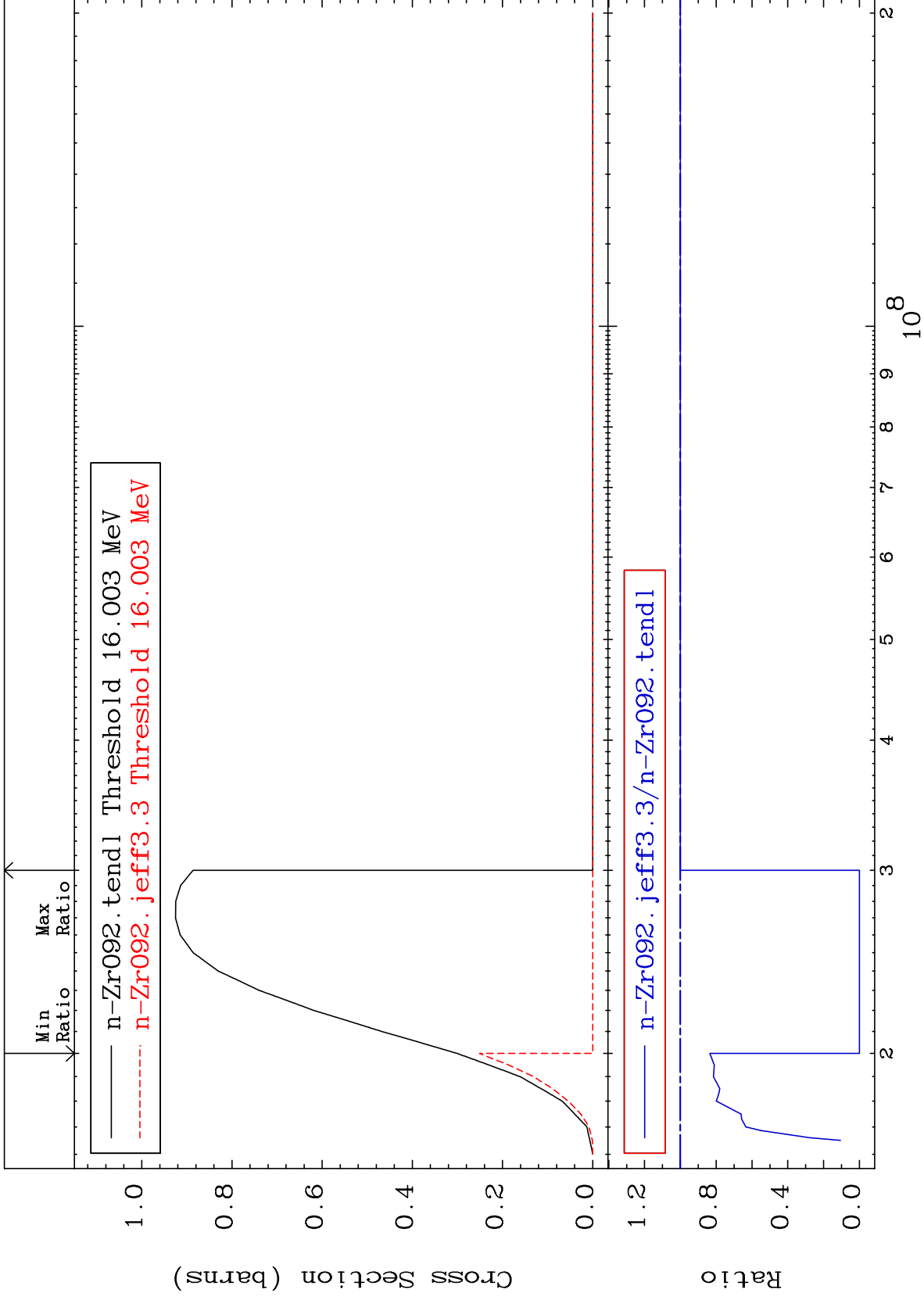
MAT 4031

(n,3n)

40-Zr-92

Cross Section

-100.0 To 0.000 %

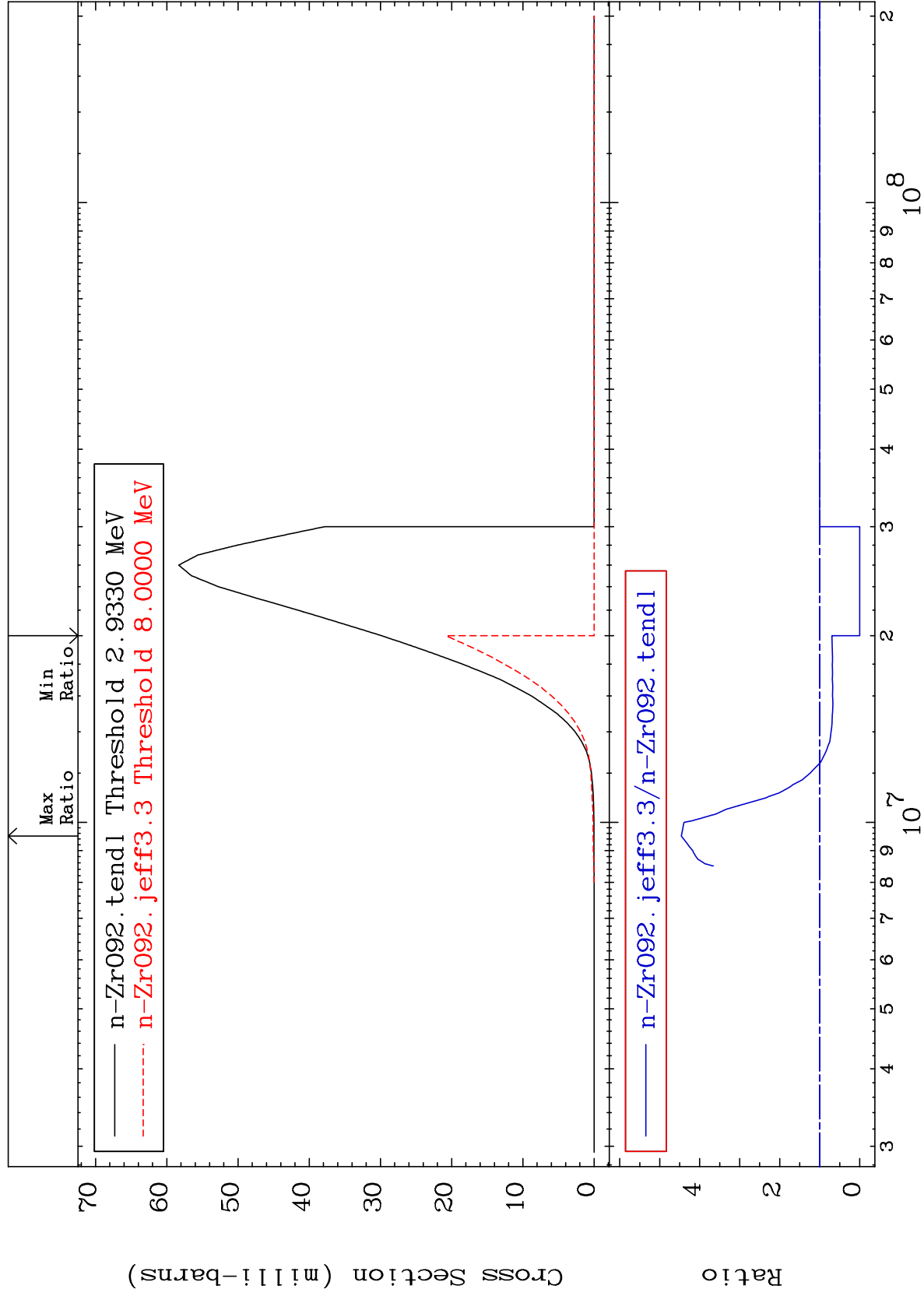


MAT 4031

40-Zr-92

(n,n')  $\alpha$

Cross Section



7

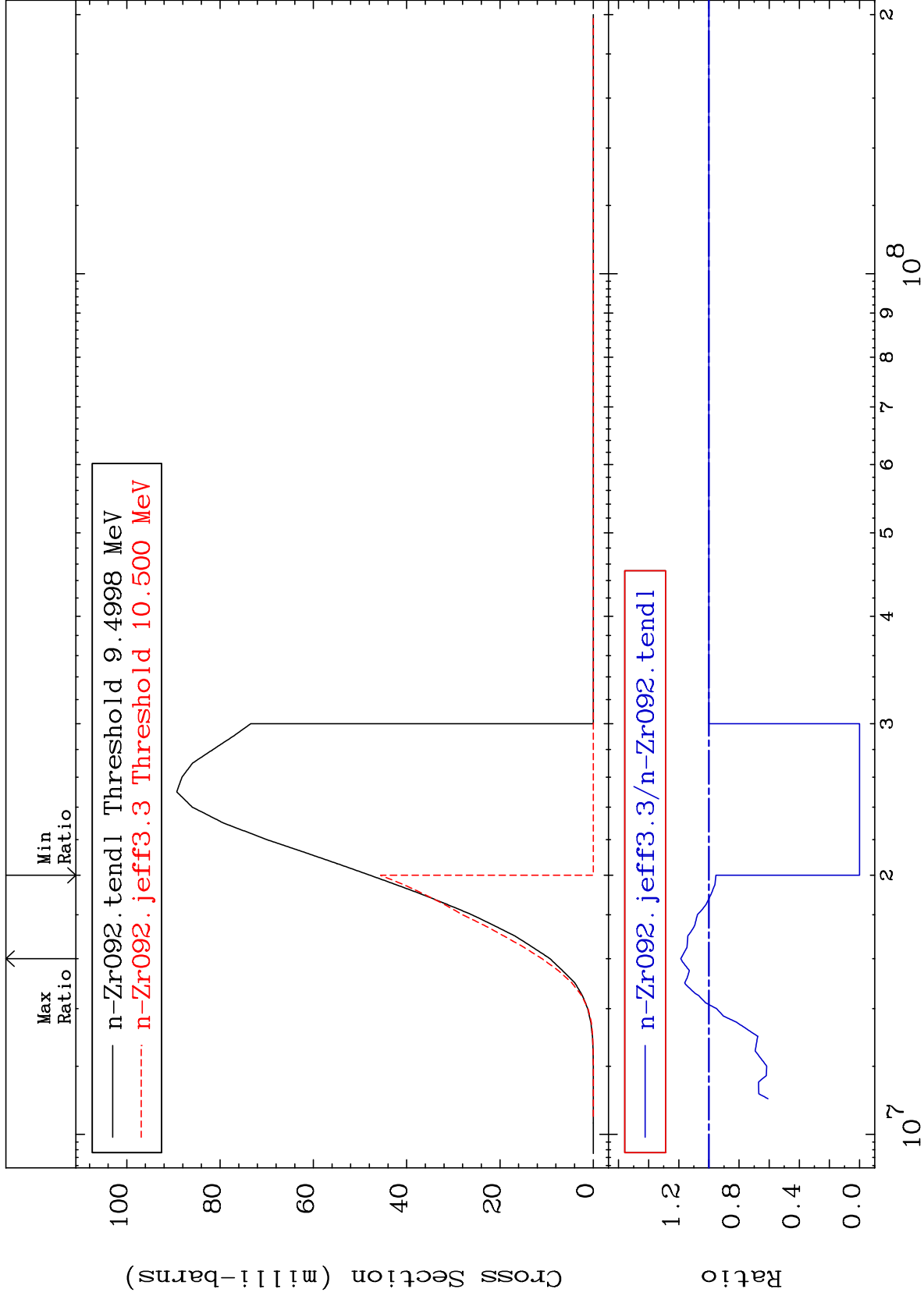
Incident Energy (eV)

40-Zr-92

MAT 4031

(n, n') p  
Cross Section

40-Zr-92  
-100.0 To 18.69 %

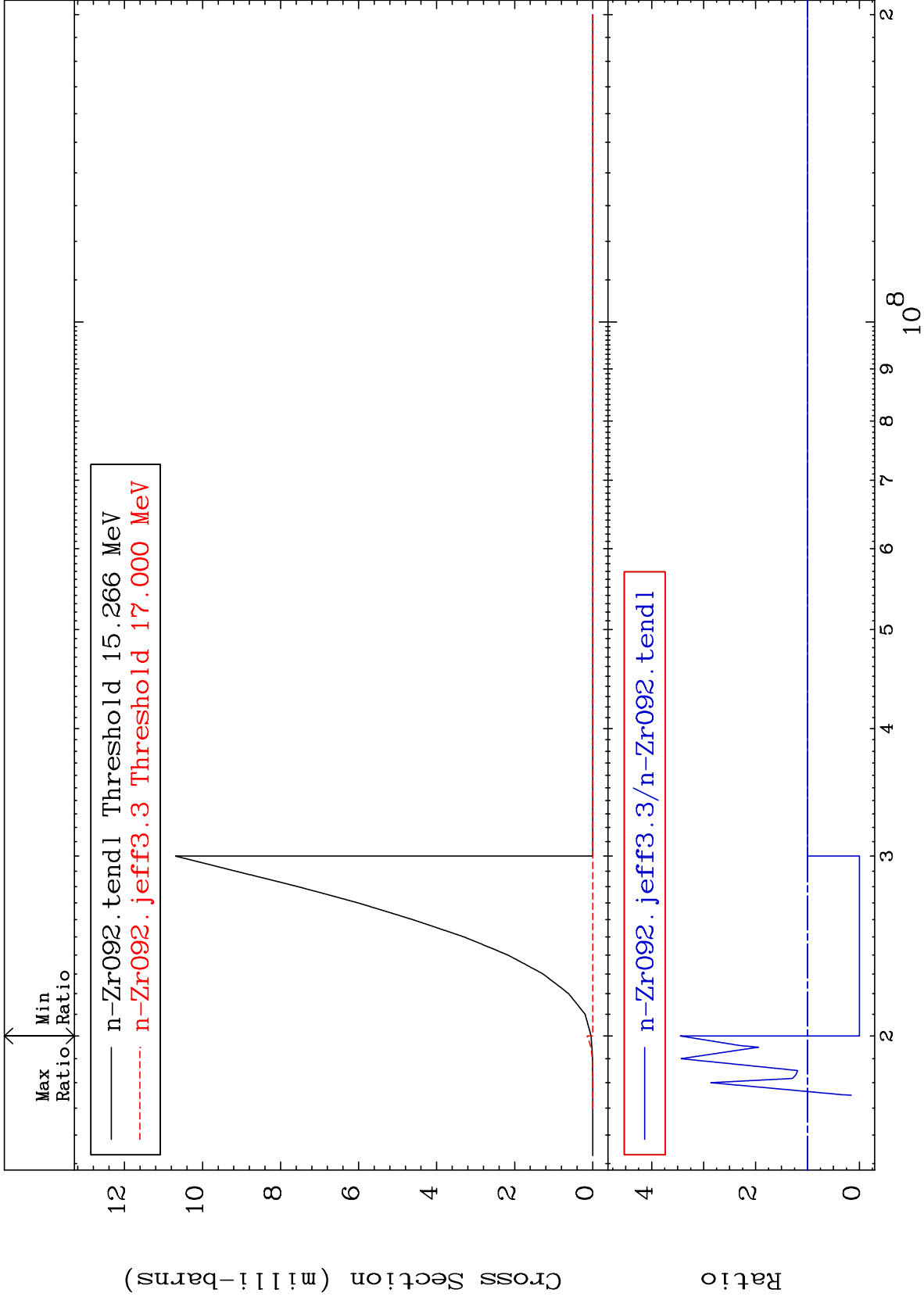




MAT 4031

(n,n') d  
Cross Section

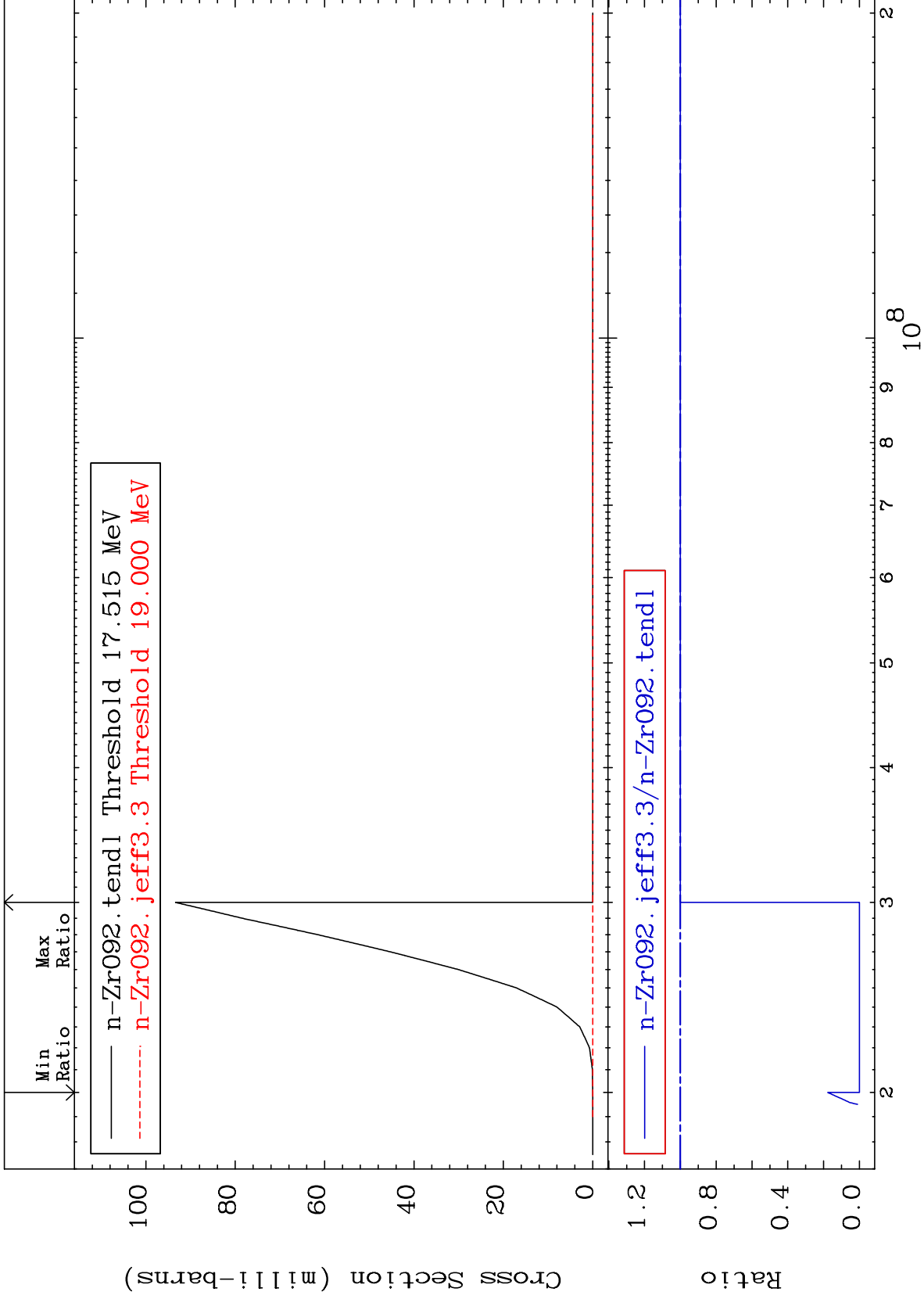
40-Zr-92  
-100.0 To 244.8 %



MAT 4031

(n,2n) p  
Cross Section

40-Zr-92  
-100.0 To 0.000 %



10

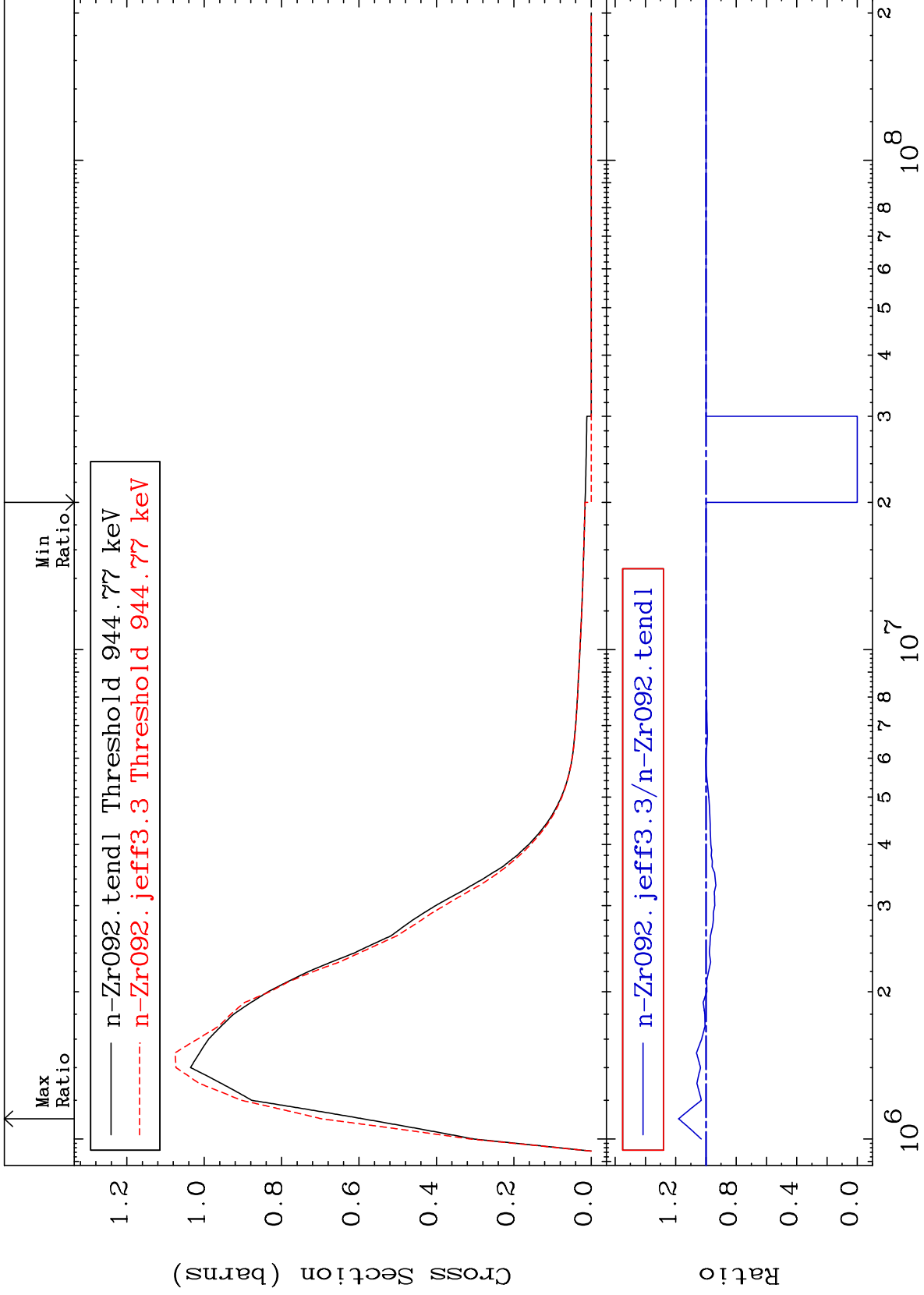
40-Zr-92

40-Zr-92

MAT 4031

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

40-Zr-92  
-100.0 To 18.07 %



11

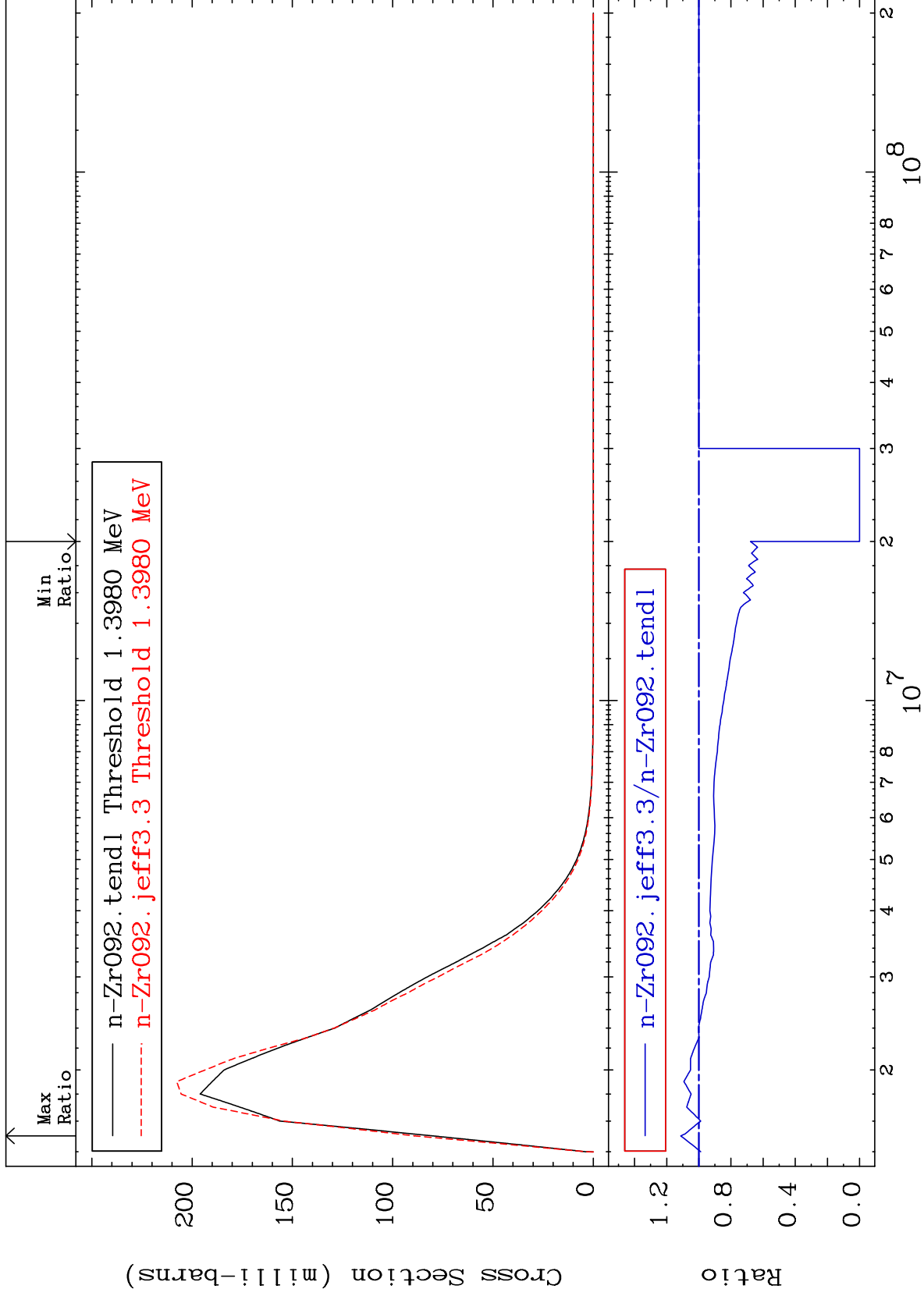
Incident Energy (eV)

40-Zr-92

MAT 4031

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

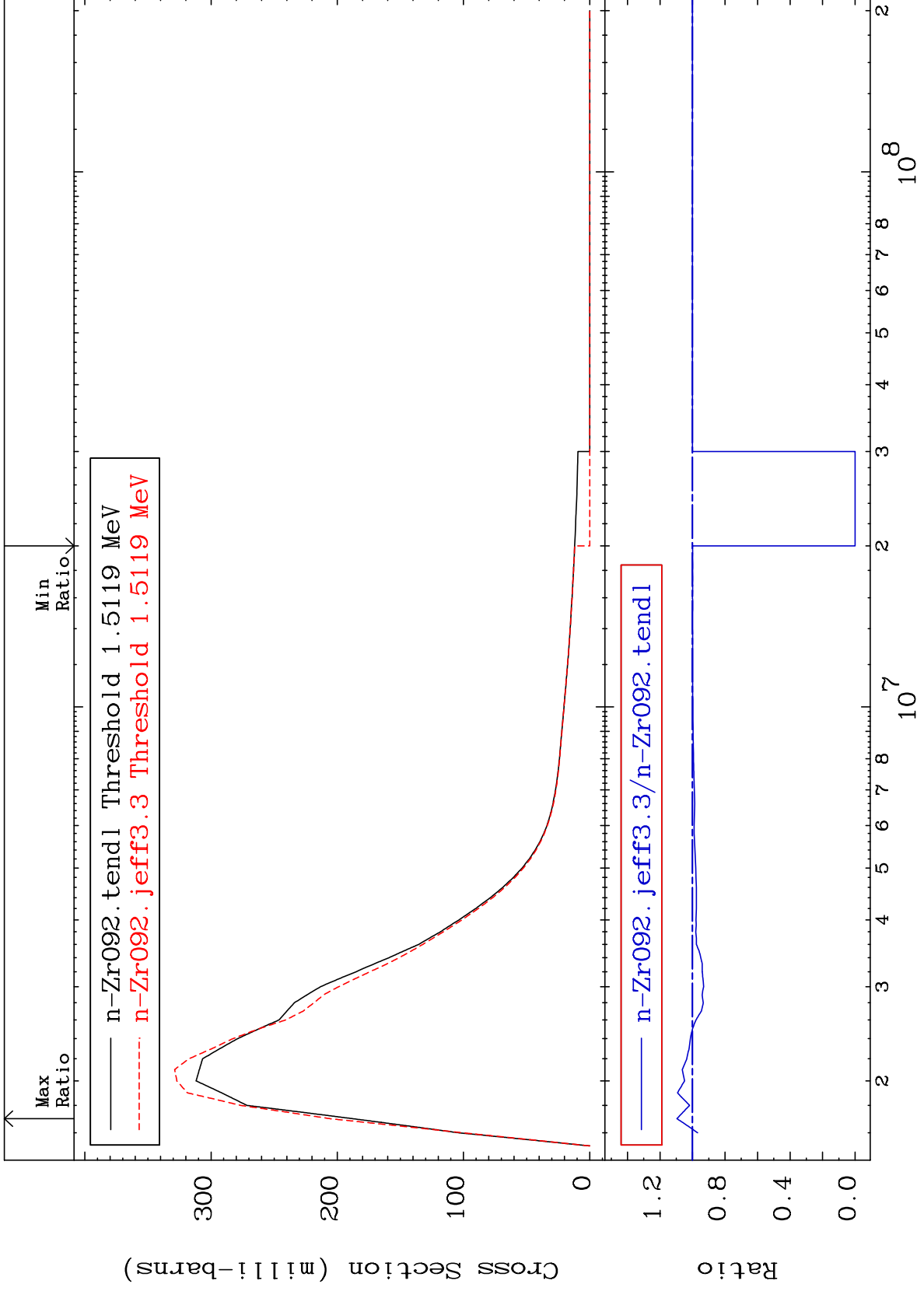
40-Zr-92  
-100.0 To 11.25 %



MAT 4031

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

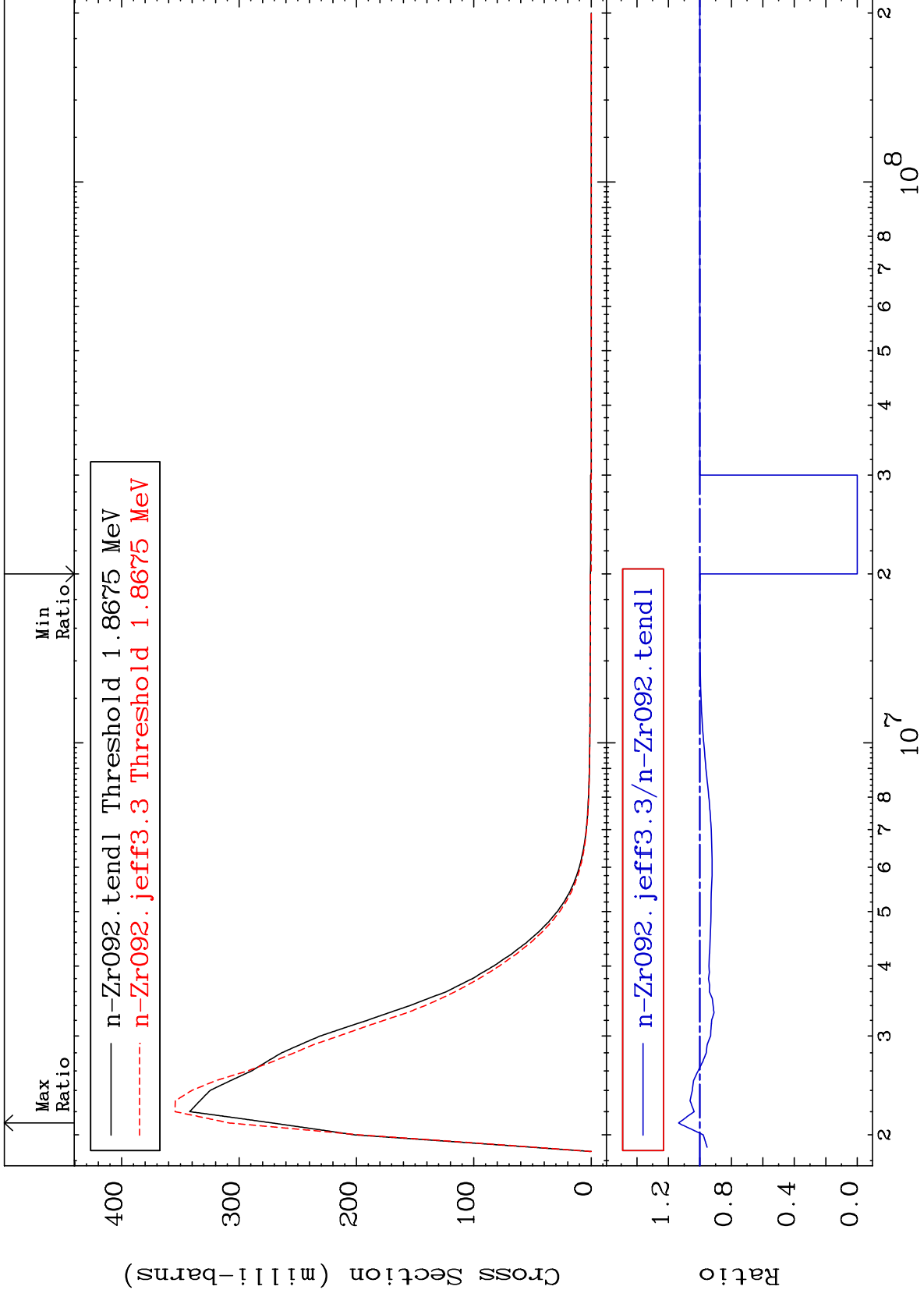
40-Zr-92  
-100.0 To 9.592 %



MAT 4031

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

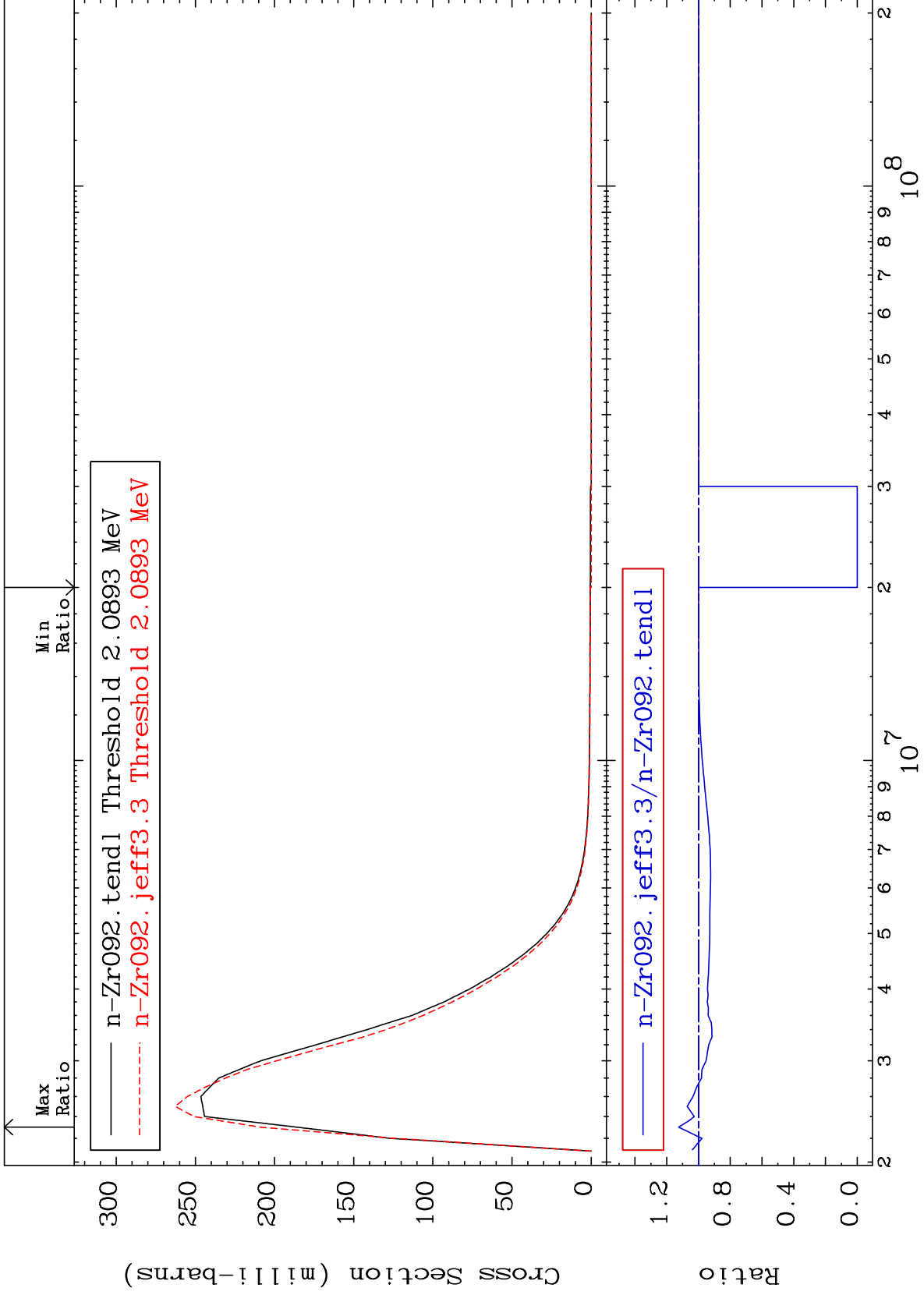
40-Zr-92  
-100.0 To 13.50 %



MAT 4031

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

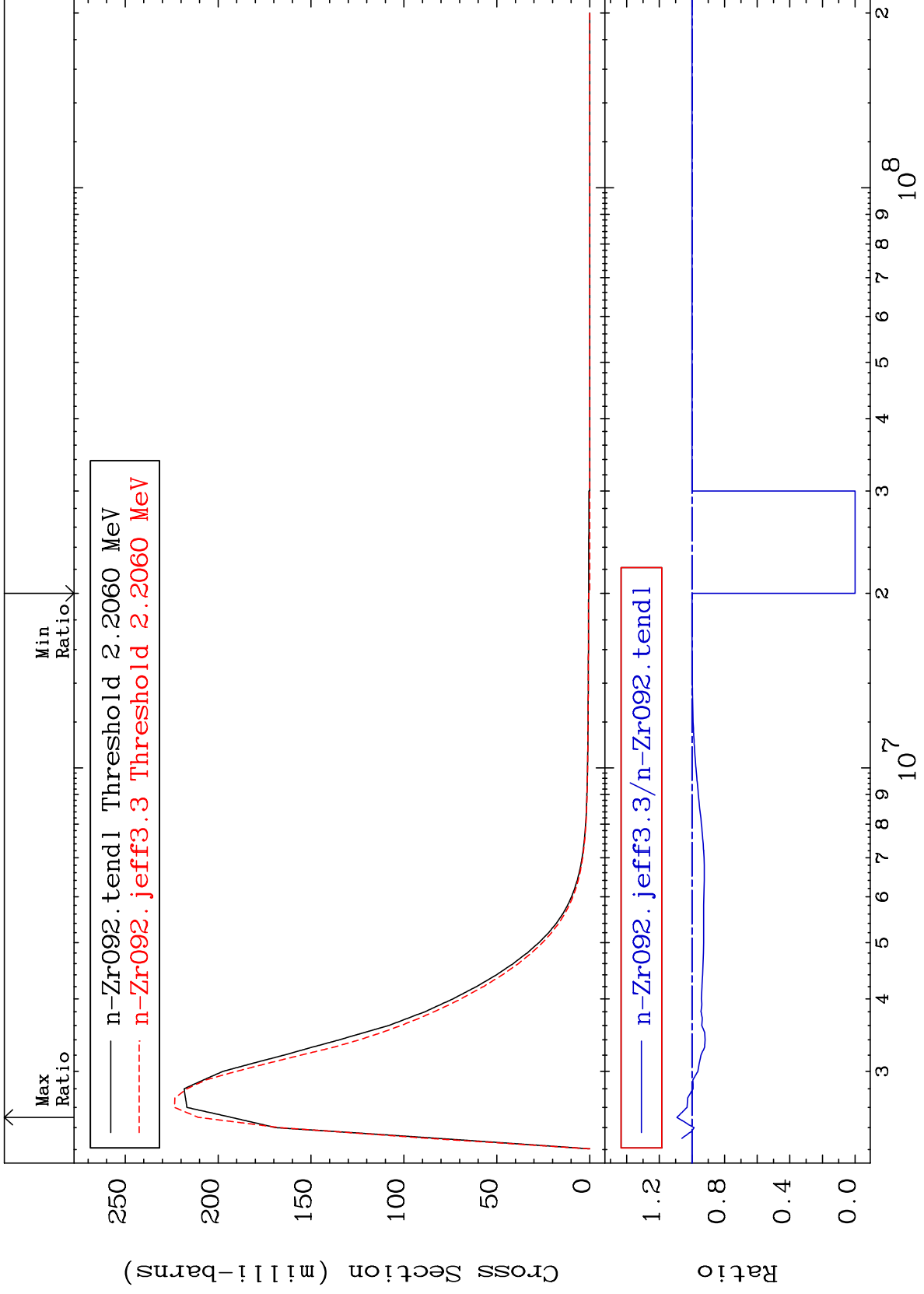
40-Zr-92  
-100.0 To 12.50 %



MAT 4031

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

40-Zr-92  
-100.0 To 9.215 %

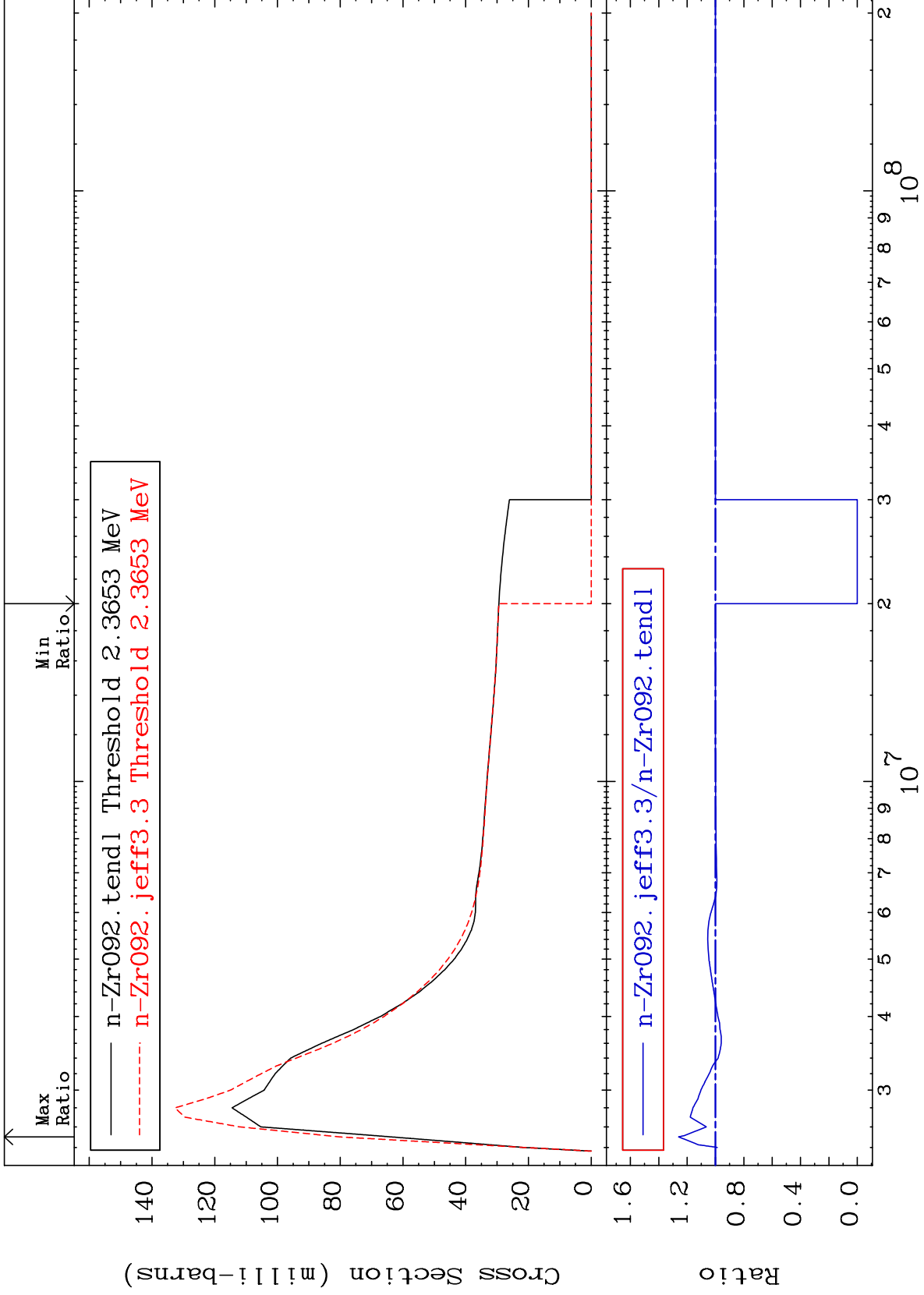




MAT 4031

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

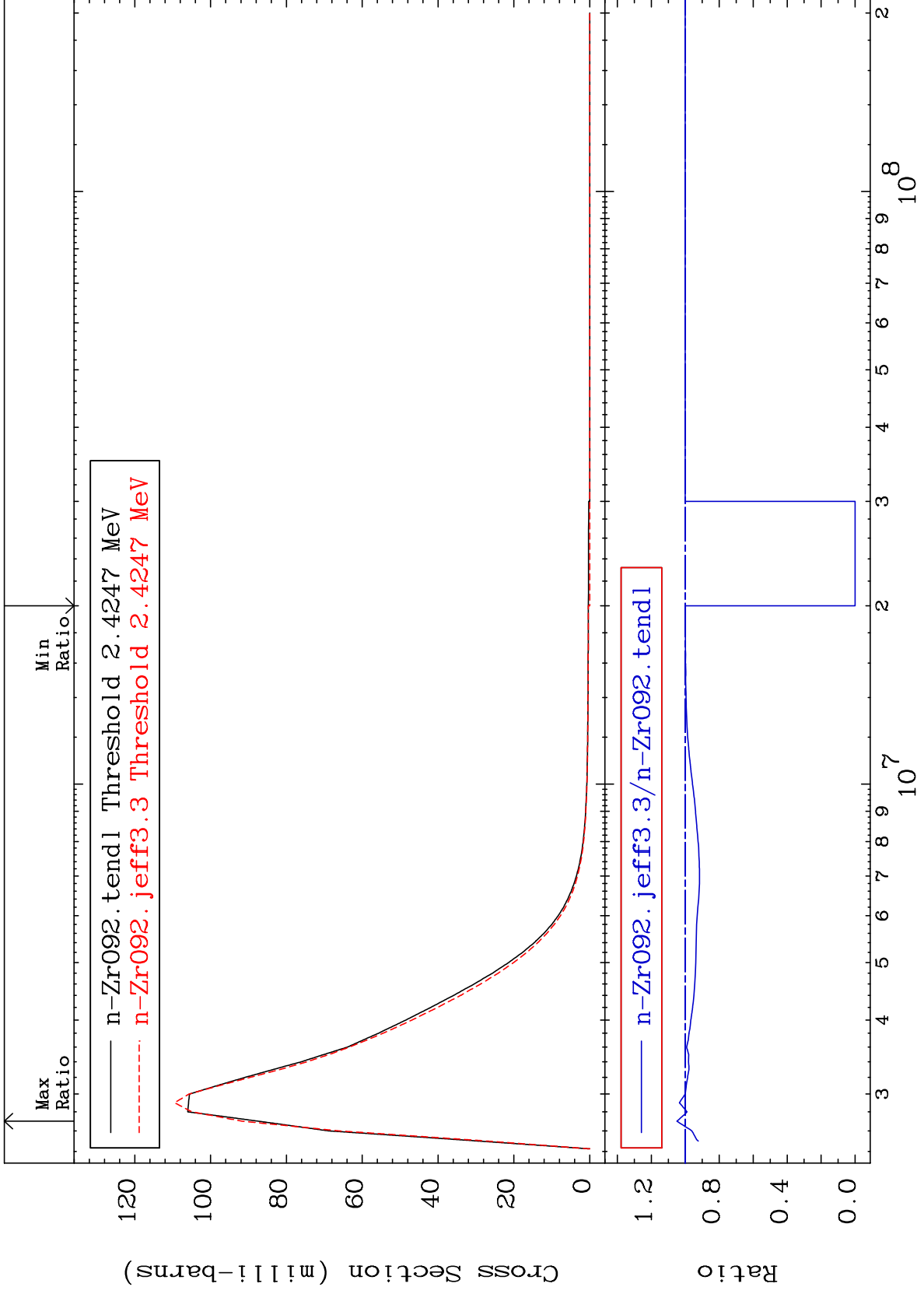
40-Zr-92  
-100.0 To 25.96 %



MAT 4031

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

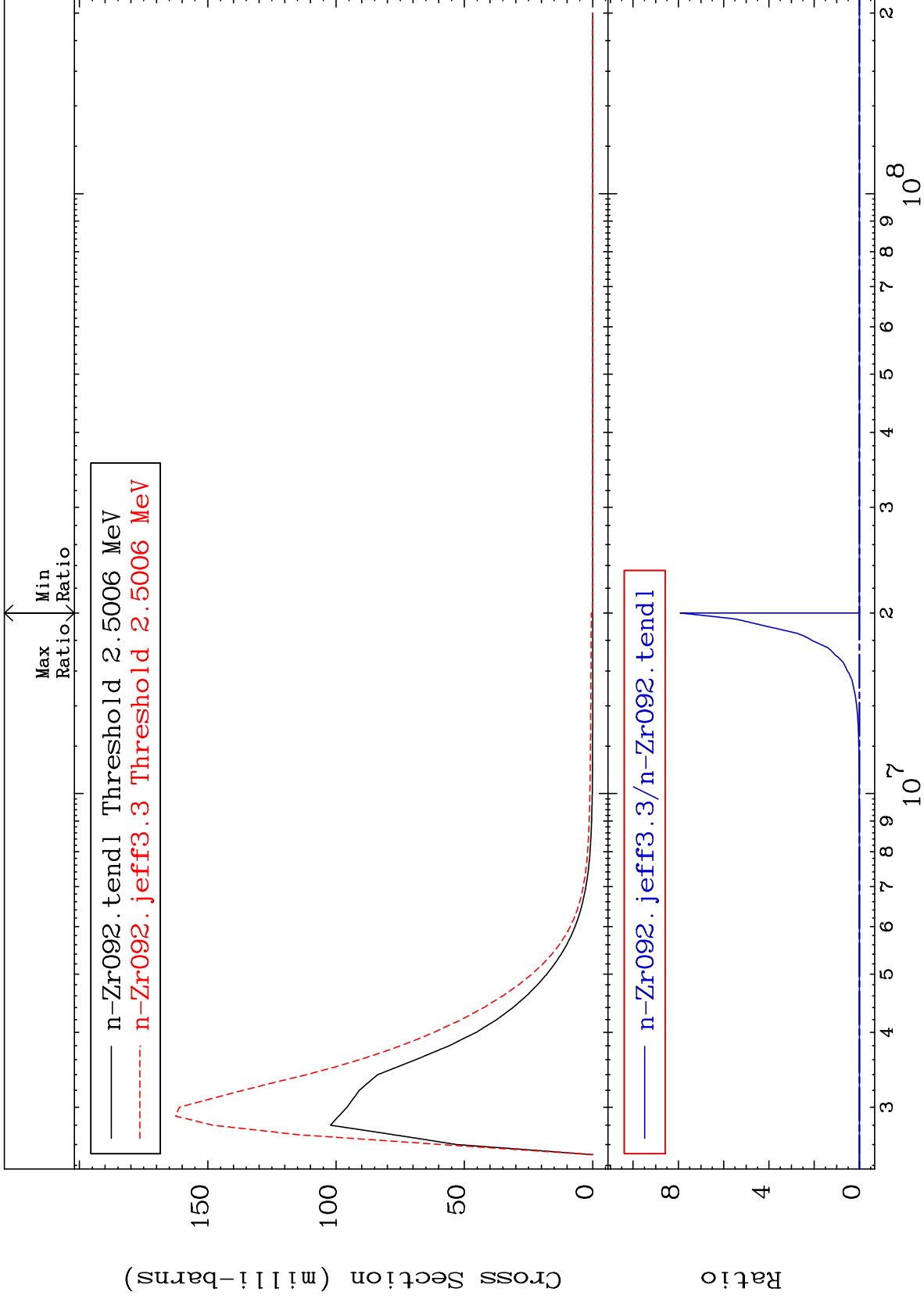
40-Zr-92  
-100.0 To 4.917 %



MAT 4031

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

40-Zr-92  
-100.0 To 9999. %



19

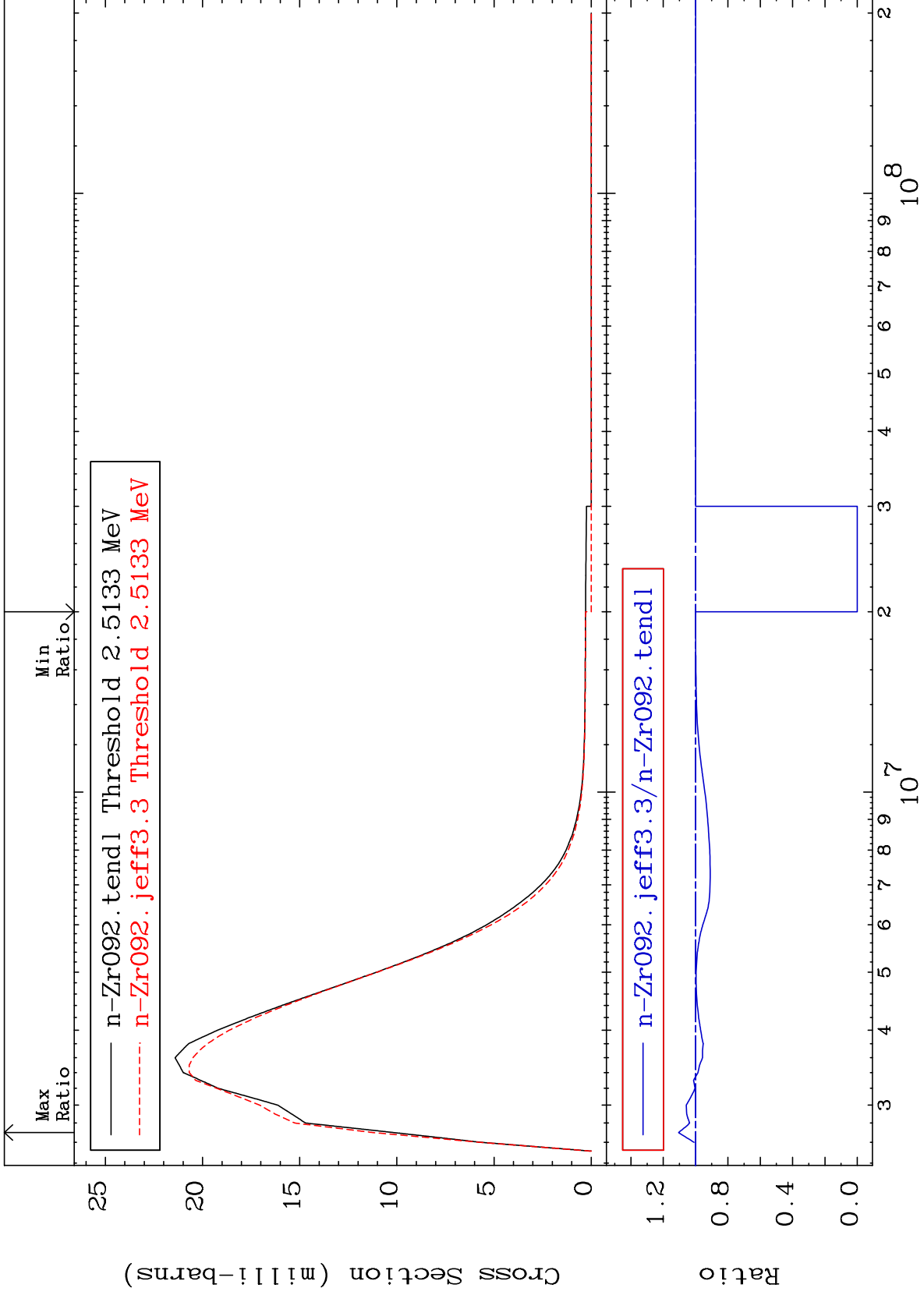
40-Zr-92

40-Zr-92

MAT 4031

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

40-Zr-92  
-100.0 To 10.49 %



20

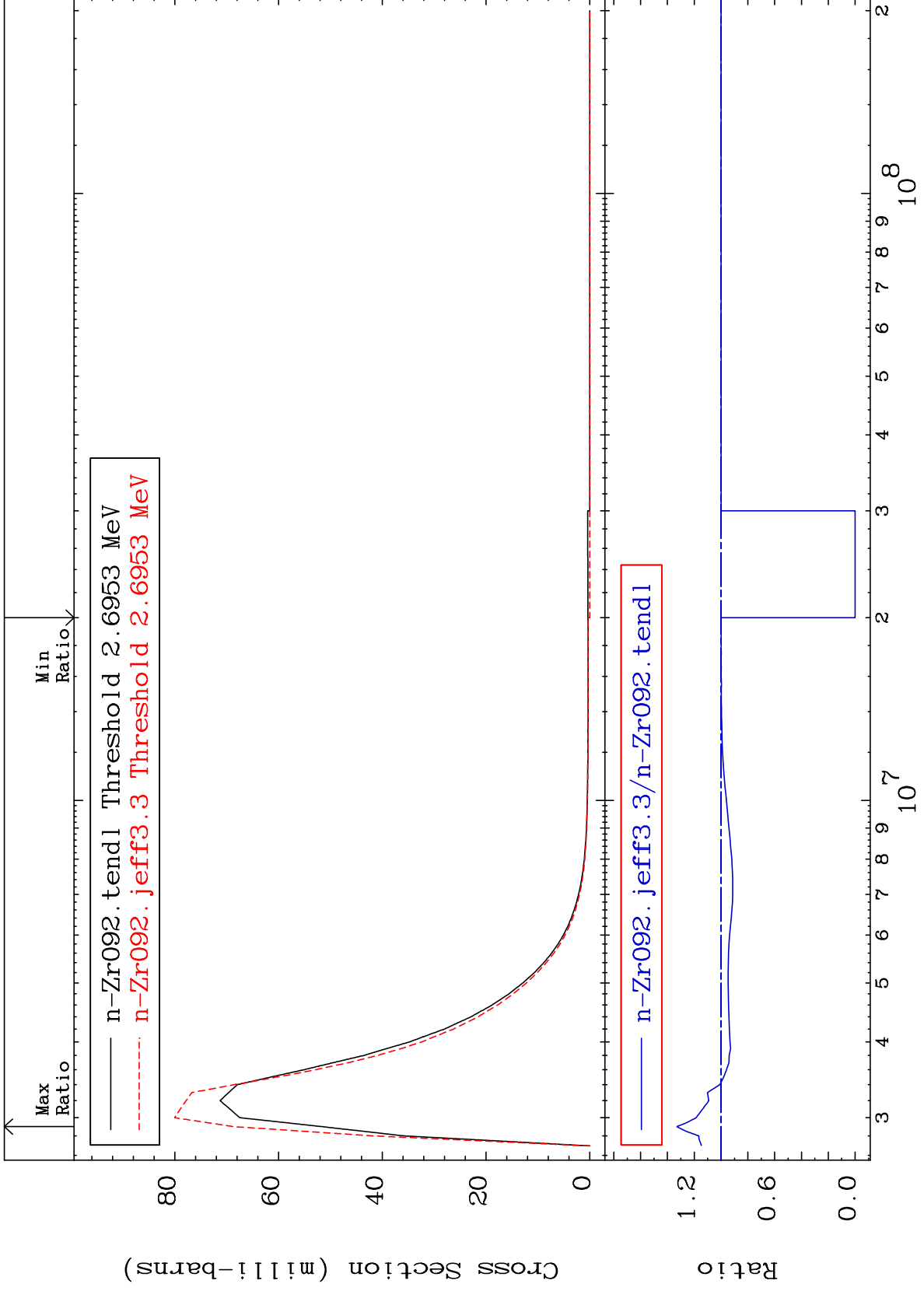
Incident Energy (eV)

40-Zr-92

MAT 4031

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

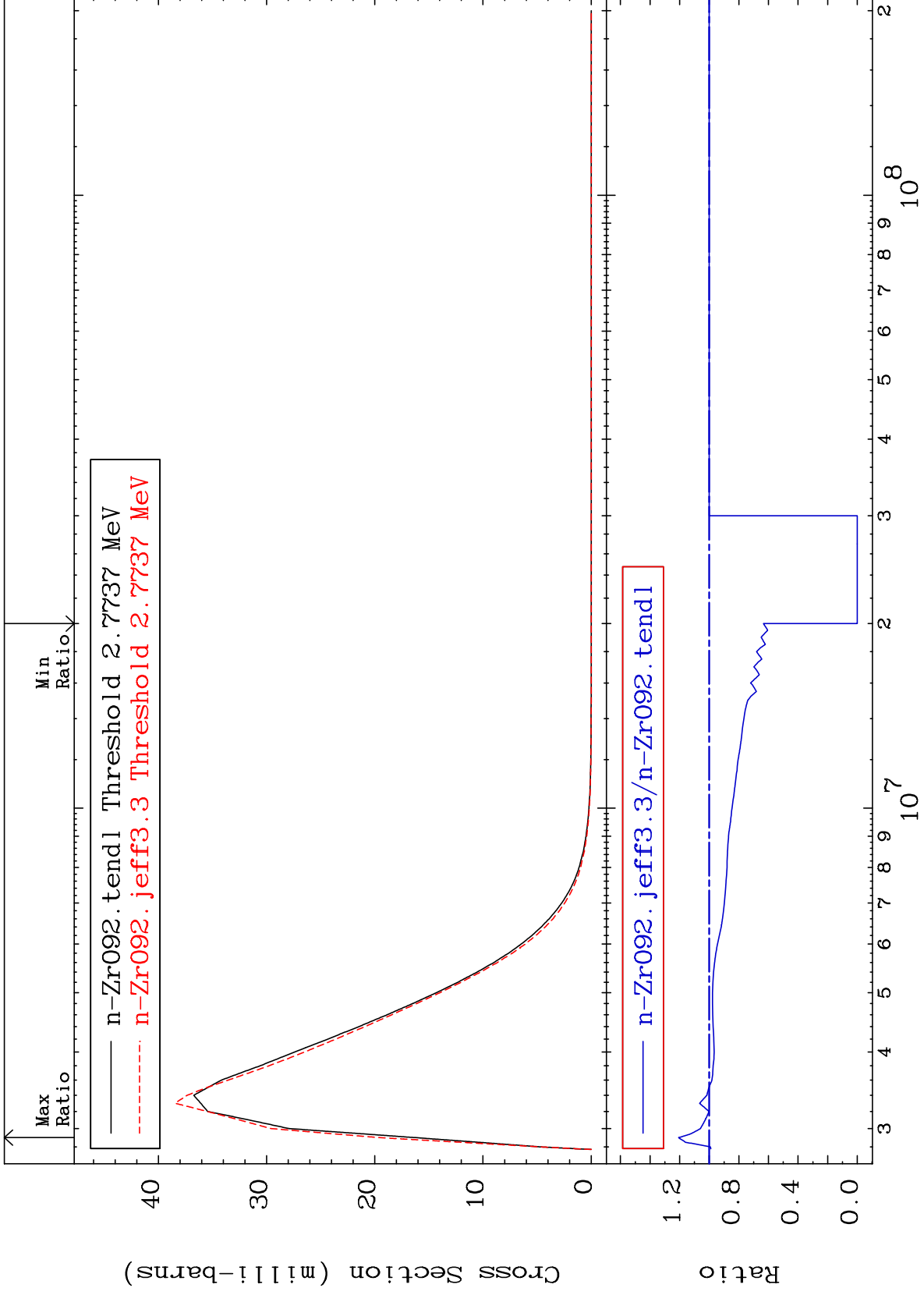
40-Zr-92  
-100.0 To 32.92 %



MAT 4031

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

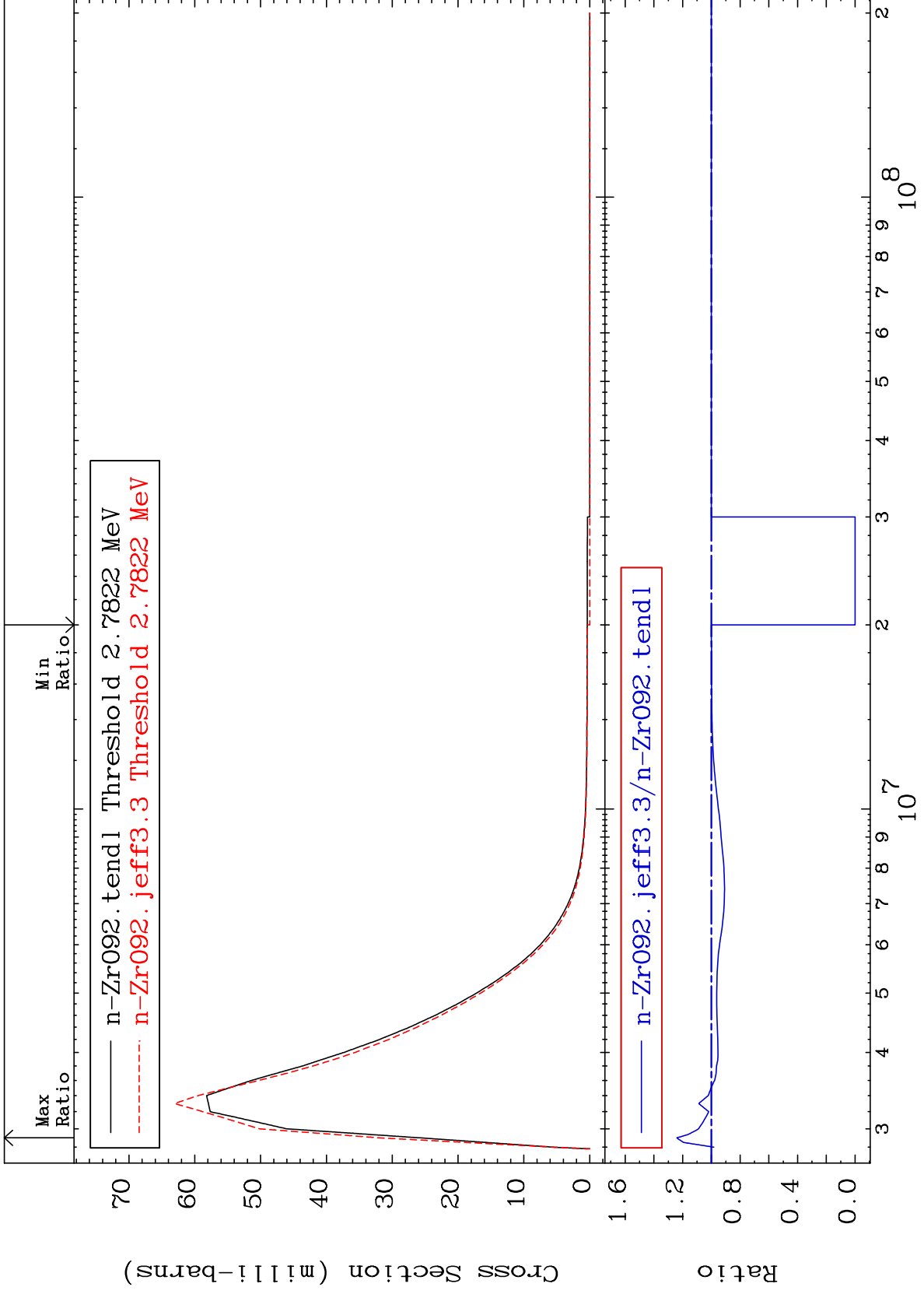
40-Zr-92  
-100.0 To 20.68 %



MAT 4031

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

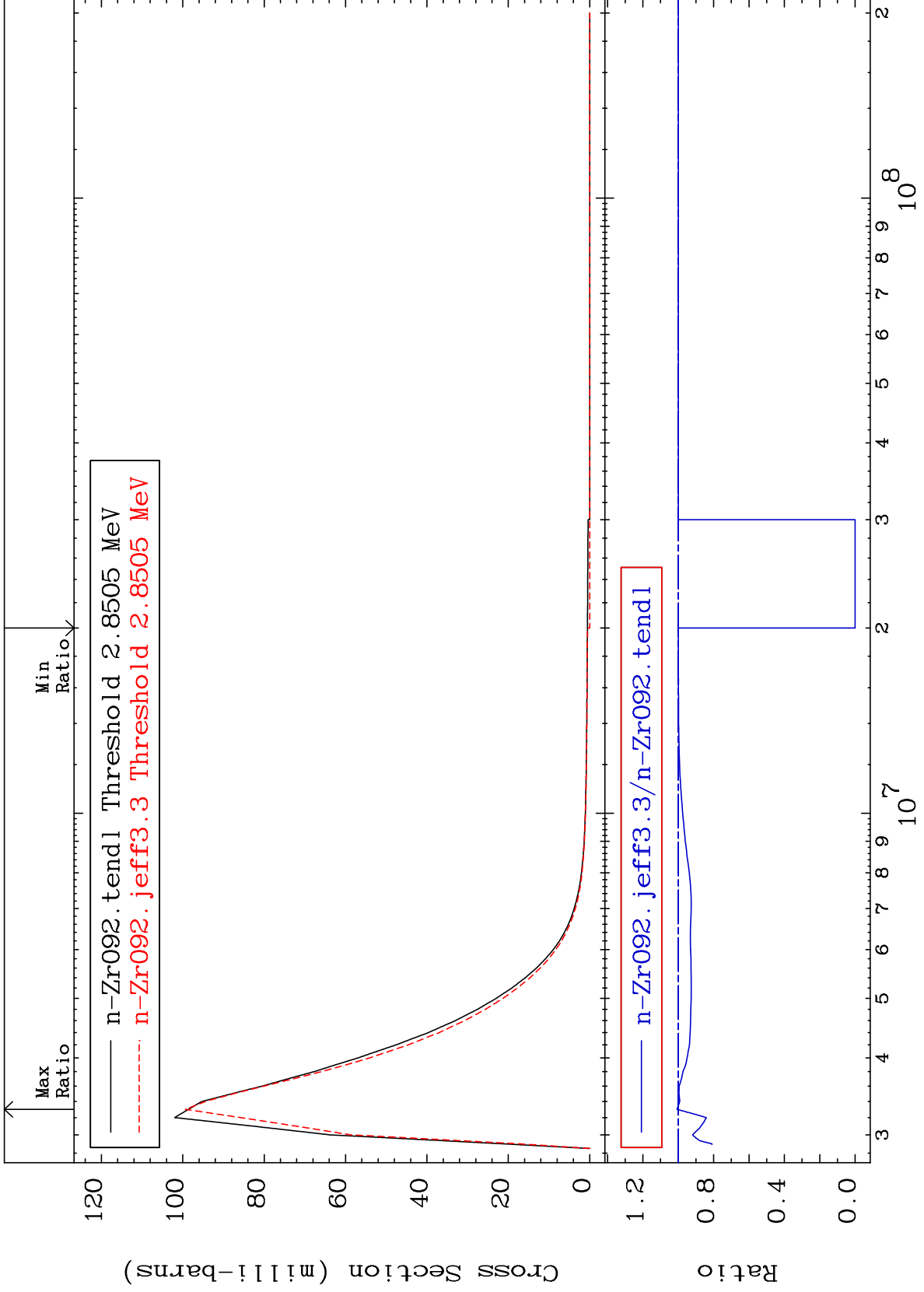
40-Zr-92  
-100.0 To 23.98 %



MAT 4031

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

40-Zr-92  
-100.0 To 0.758 %

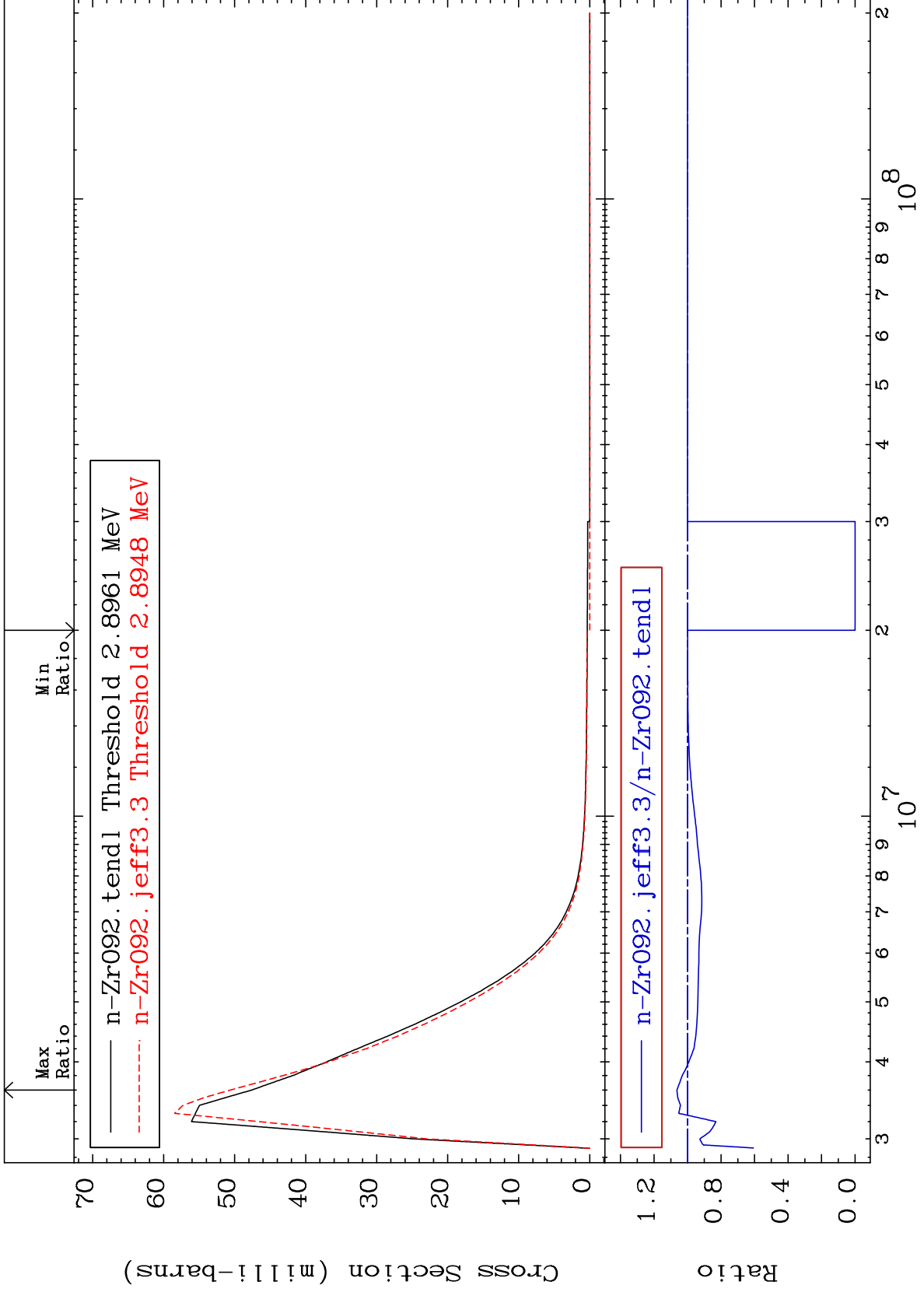




MAT 4031

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

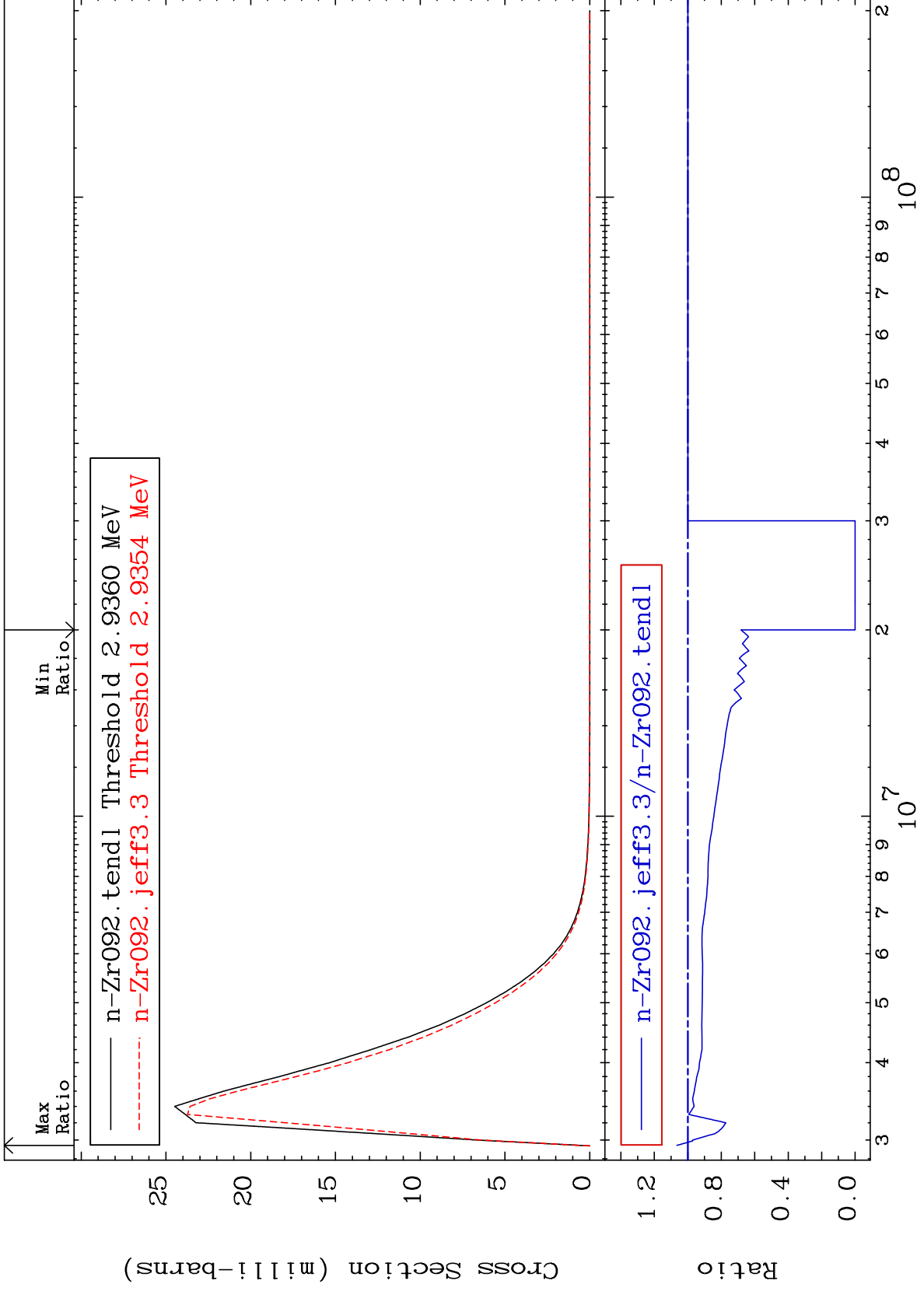
40-Zr-92  
-100.0 To 6.327 %



MAT 4031

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

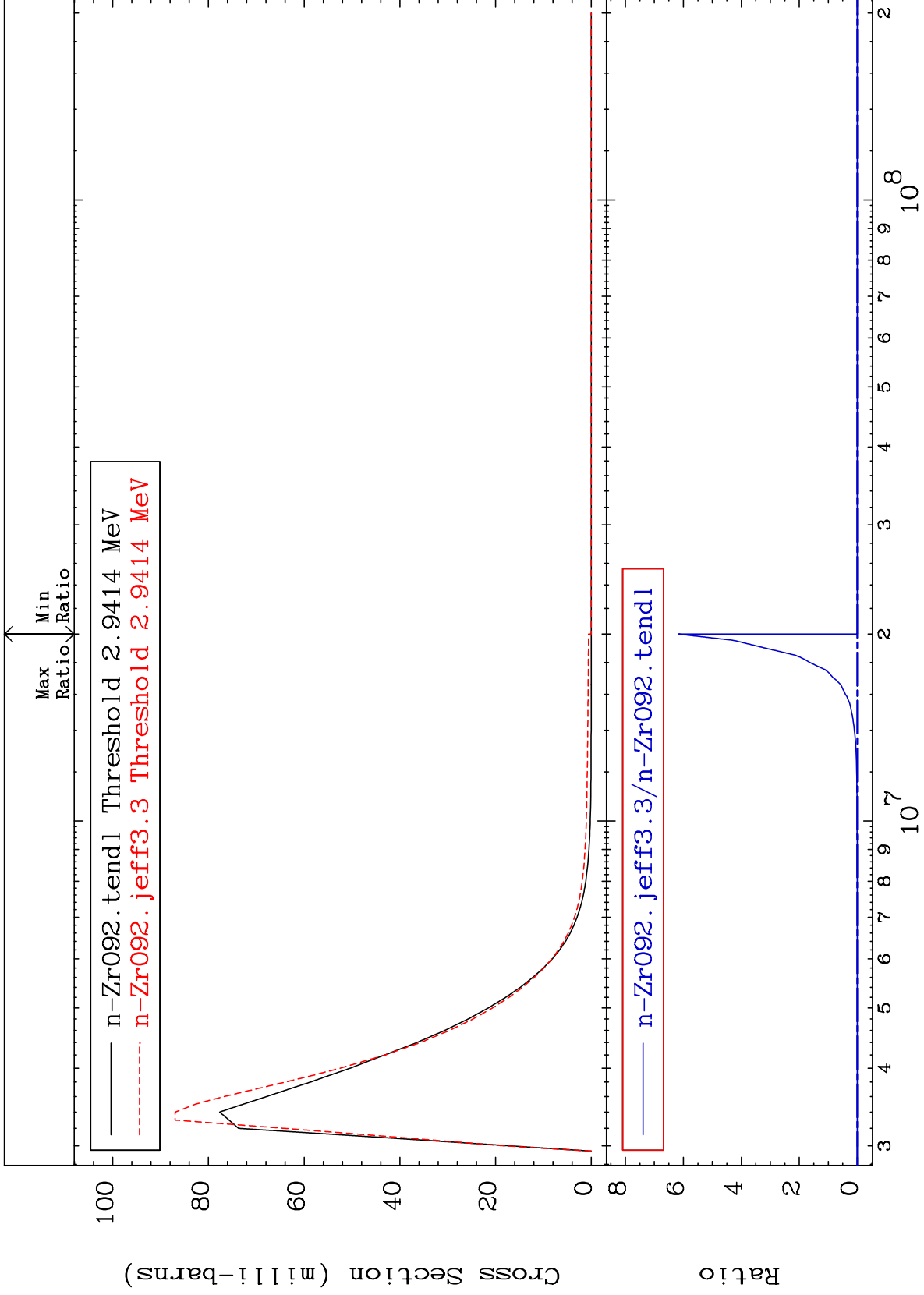
40-Zr-92  
-100.0 To 6.513 %



MAT 4031

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

40-Zr-92  
-100.0 To 9999. %



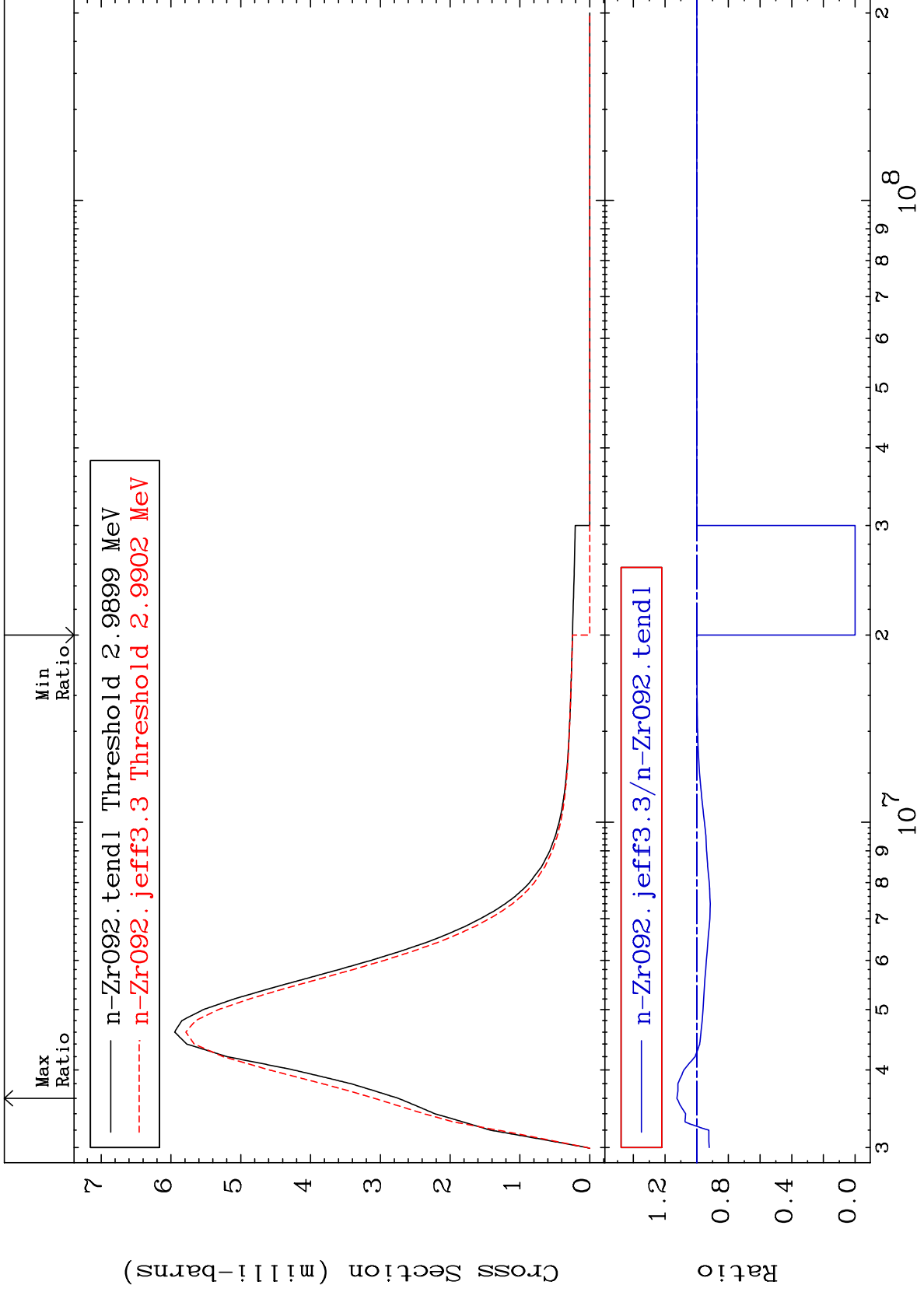
27

40-Zr-92

MAT 4031

MT= 68 (n,n') Level  
Cross Section

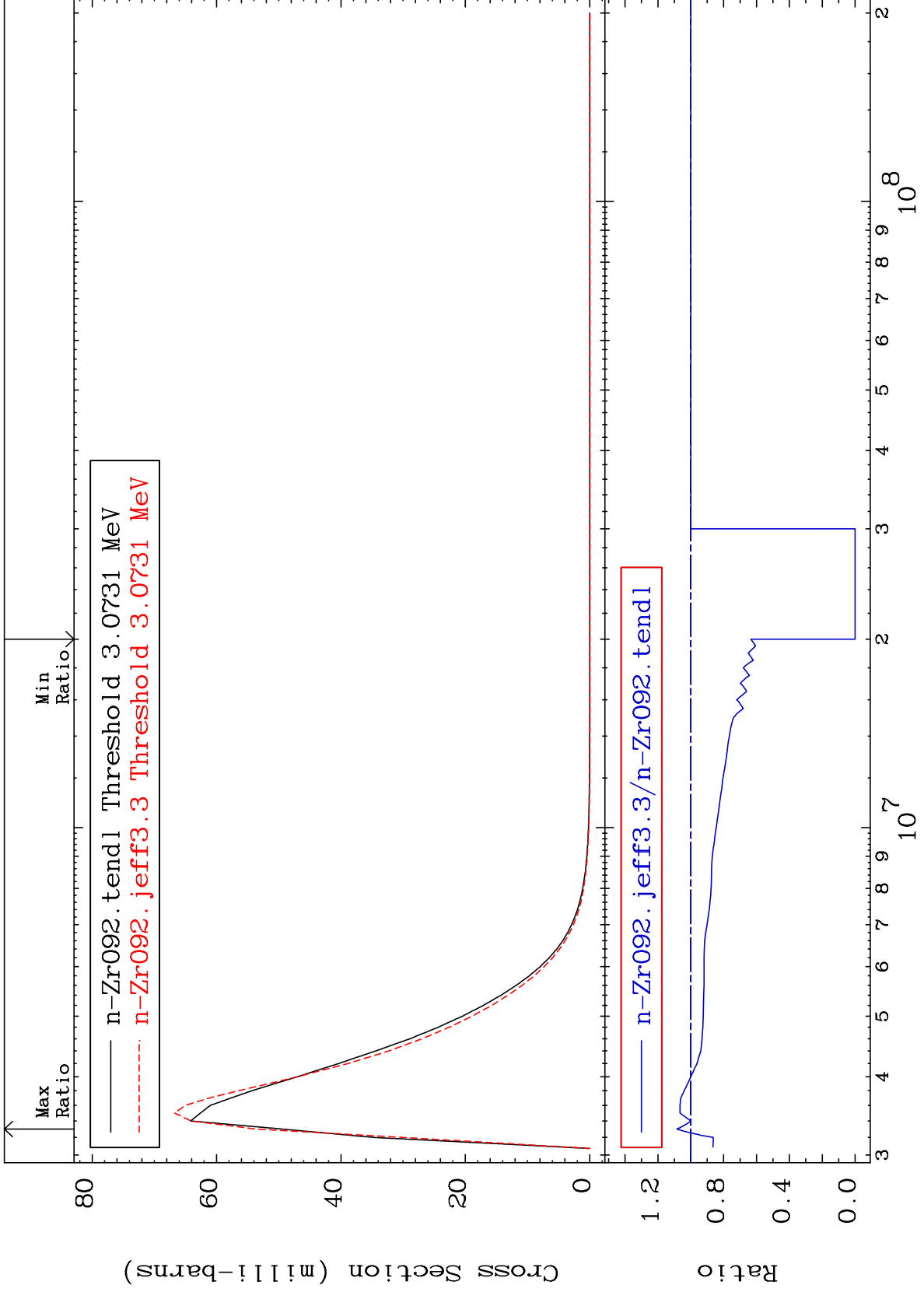
40-Zr-92  
-100.0 To 12.52 %



MAT 4031

MT= 69 (n,n') Level  
Cross Section

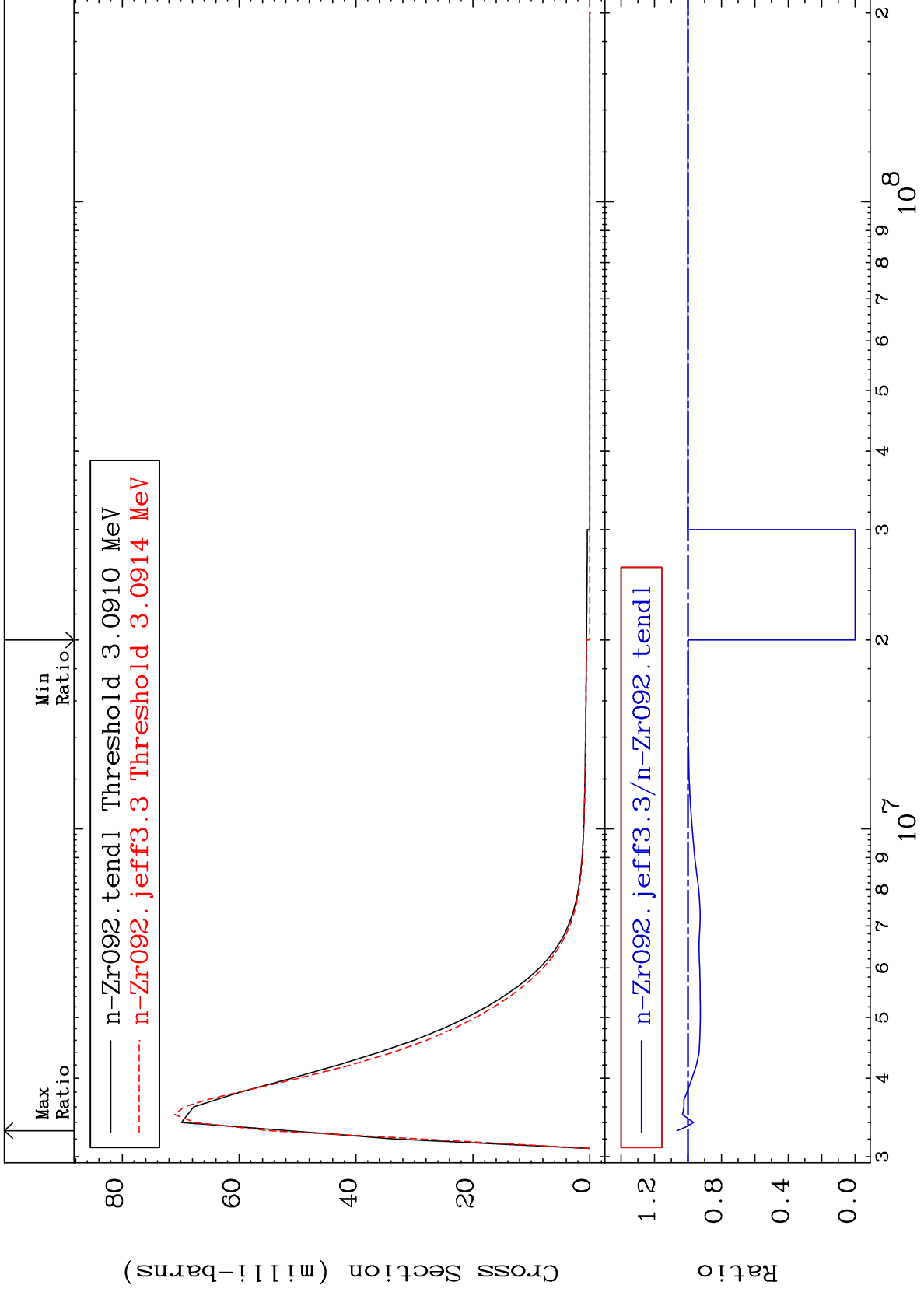
40-Zr-92  
-100.0 To 8.438 %



MAT 4031

MT= 70 (n,n') Level  
Cross Section

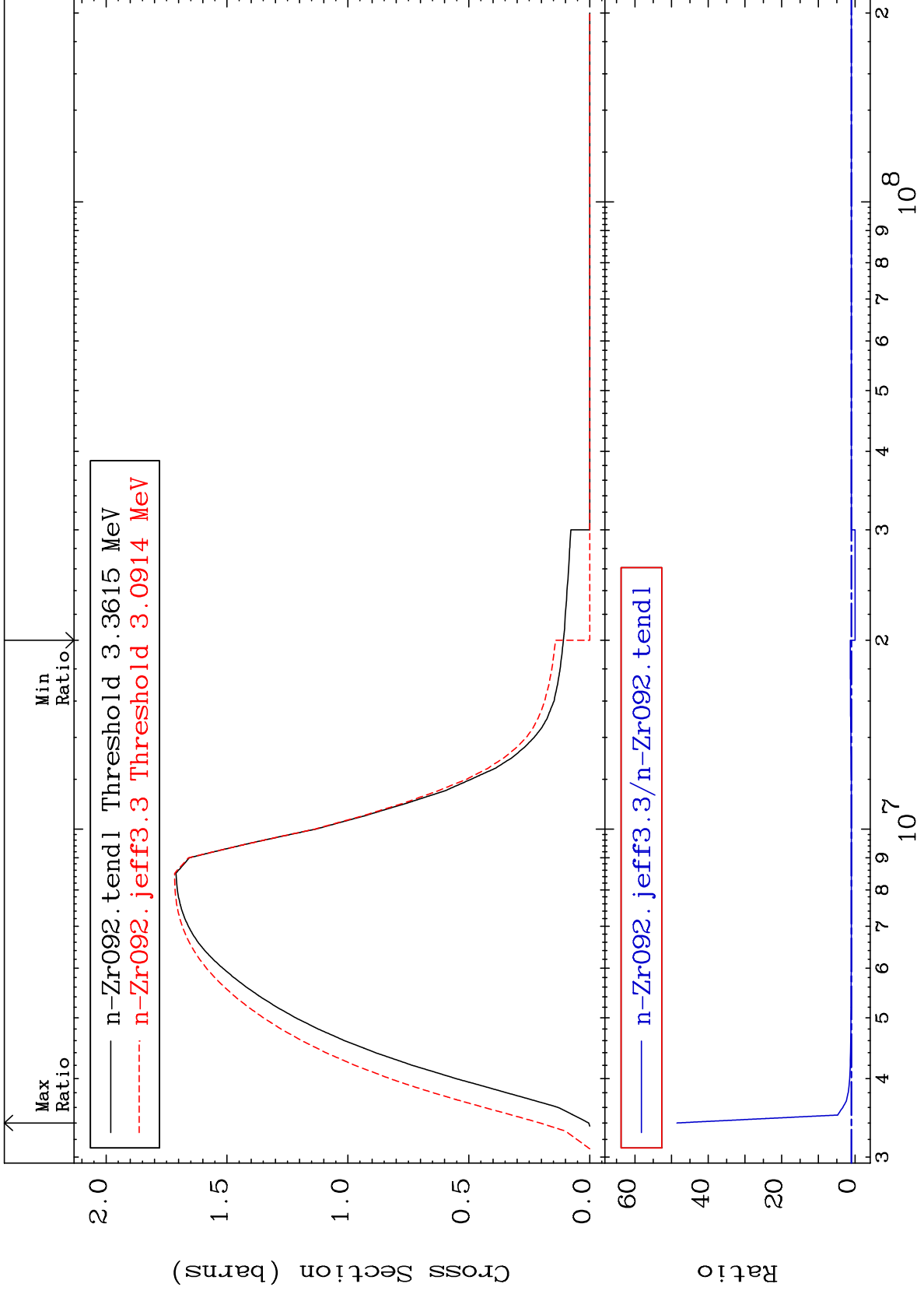
40-Zr-92  
-100.0 To 6.612 %



MAT 4031

(n, n') Continuum  
Cross Section

40-Zr-92  
-100.0 To 4754. %



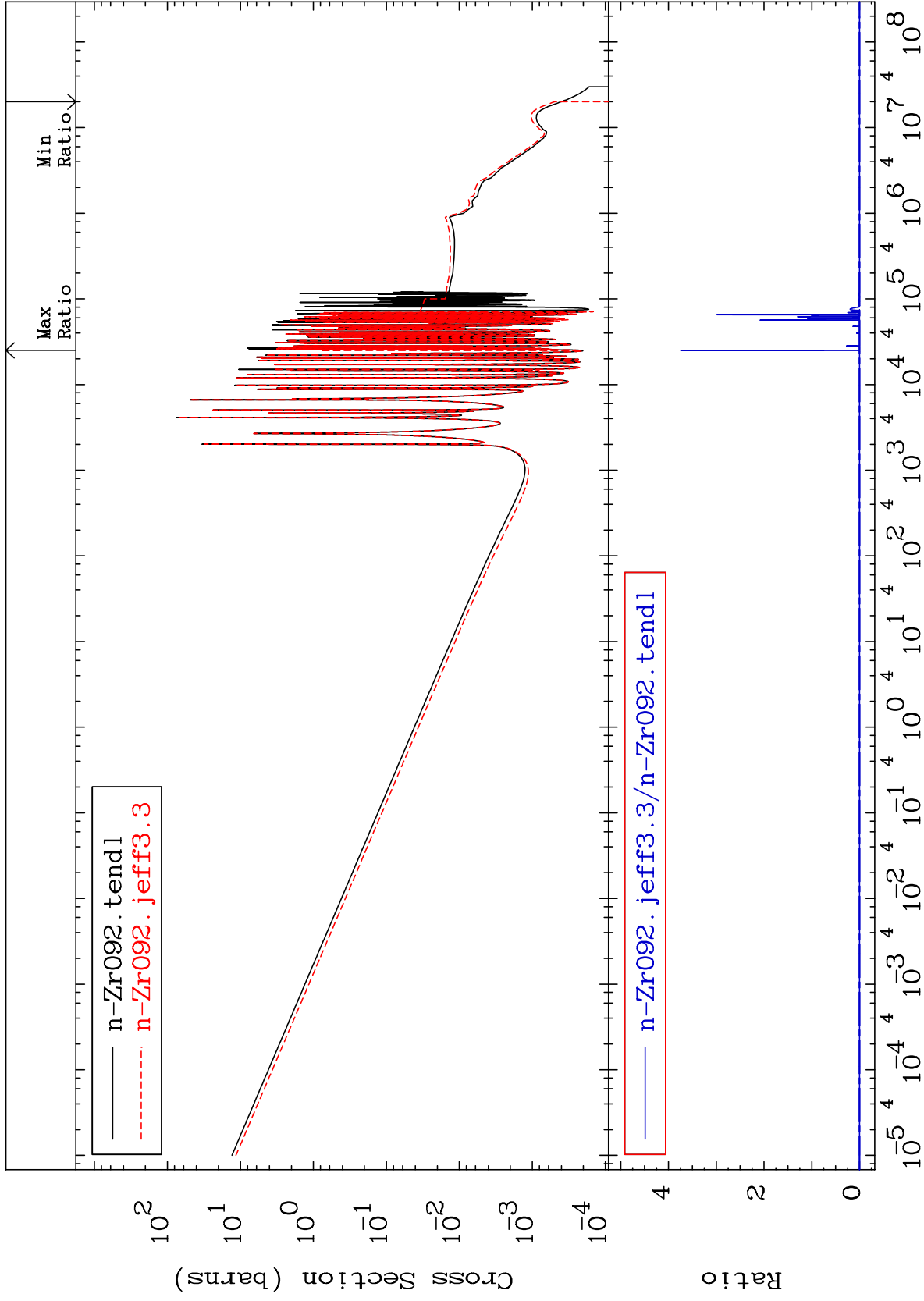
MAT 4031

(n,  $\gamma$ )

40-Zr-92

Cross Section

-100.0 To 9999. %



32

Incident Energy (eV)

40-Zr-92

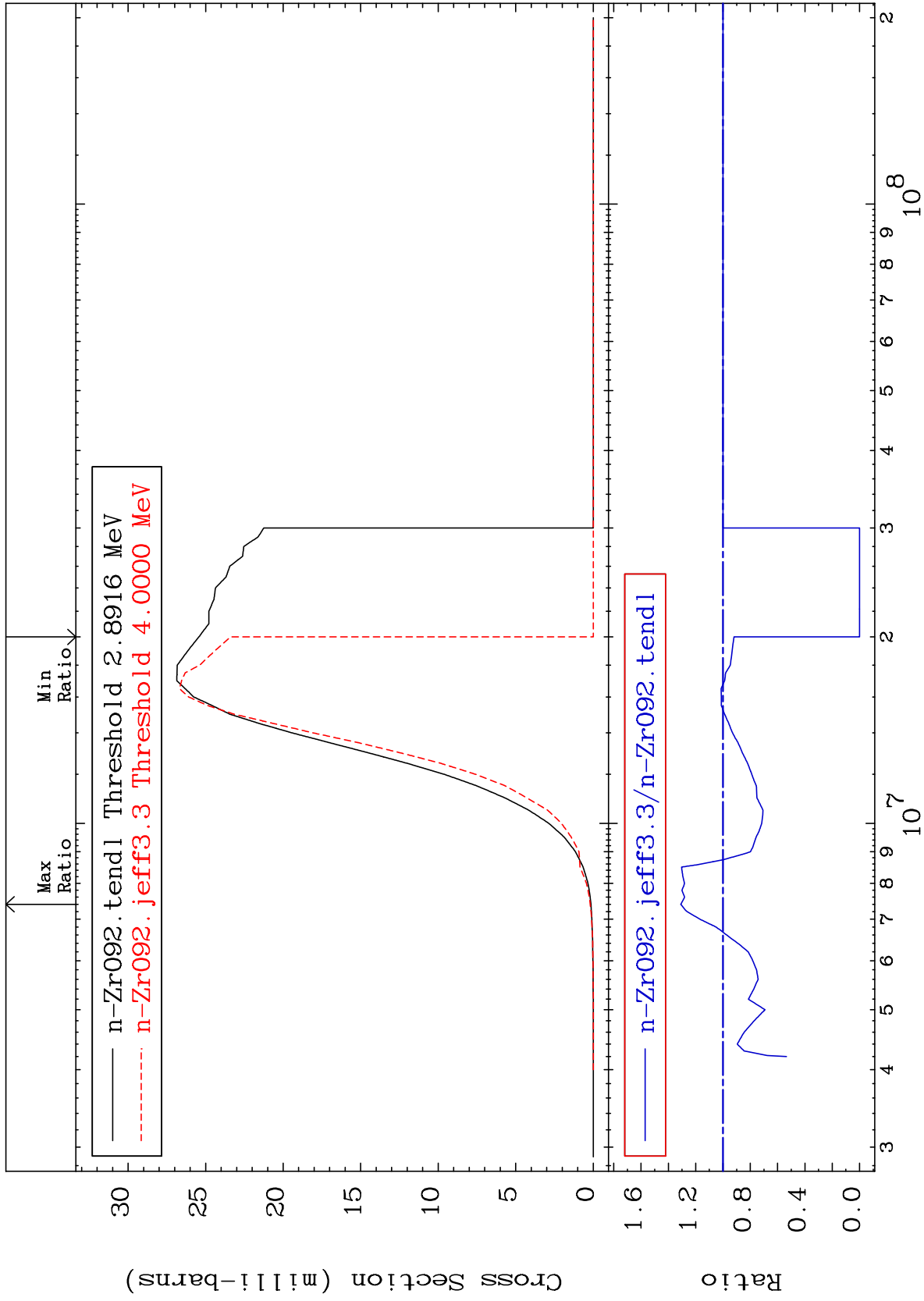


MAT 4031

40-Zr-92

-100.0 To 30.92 %

(n,p)  
Cross Section



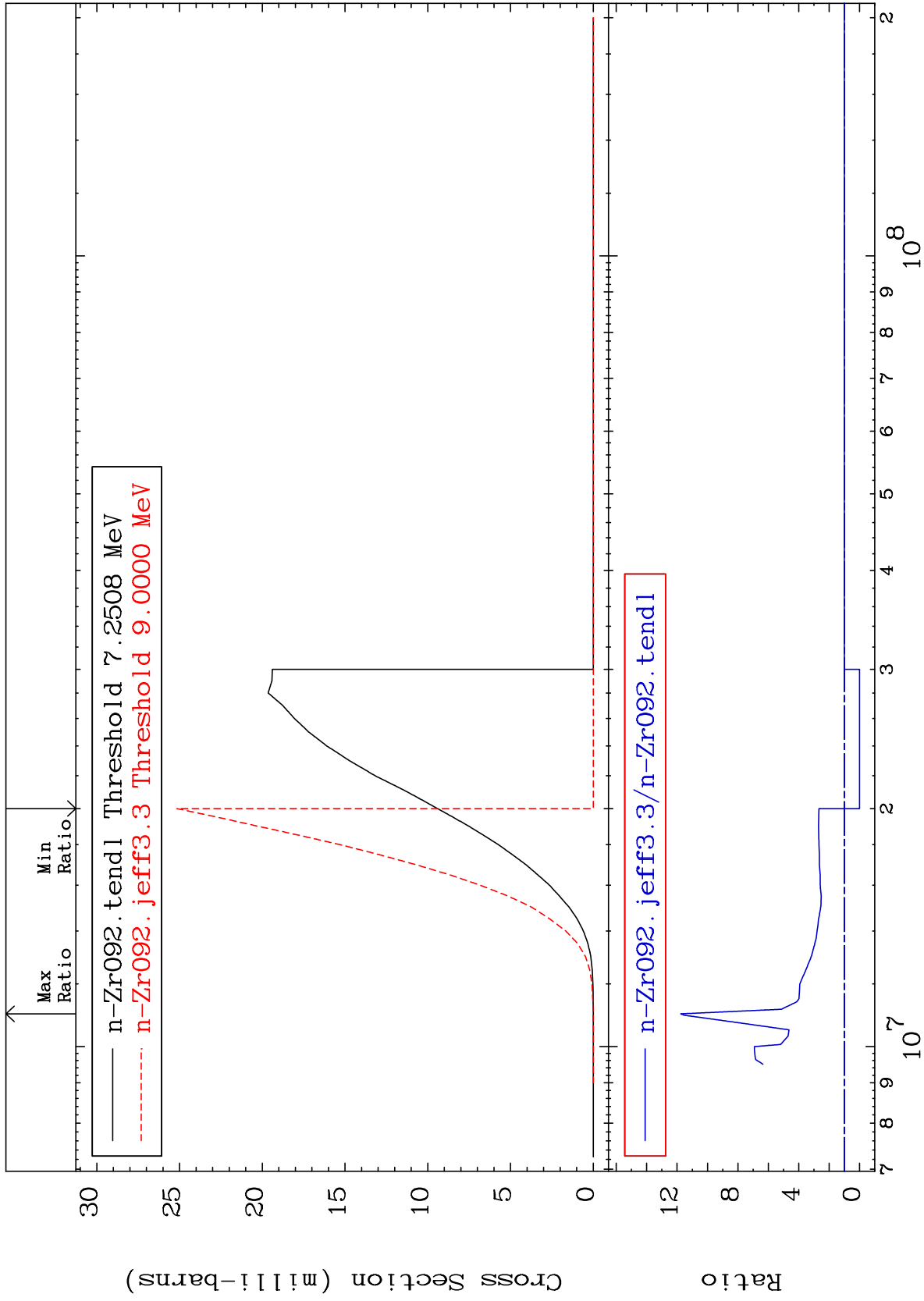
MAT 4031

(n, d)

40-Zr-92

Cross Section

-100.0 To 1076. %



34

40-Zr-92

40-Zr-92

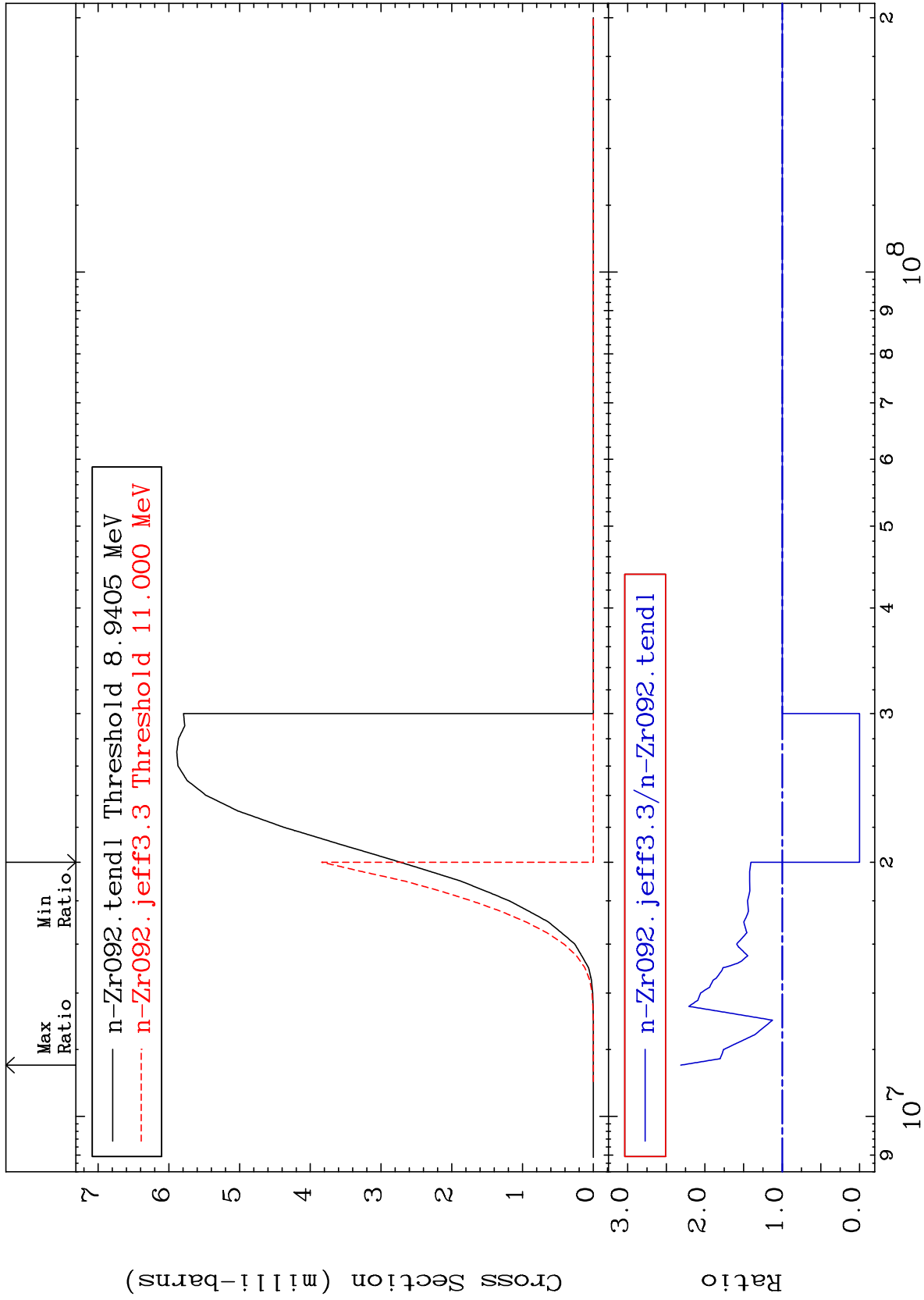
MAT 4031

(n, t)

40-Zr-92

Cross Section

-100.0 To 131.2 %



35

Incident Energy (eV)

40-Zr-92

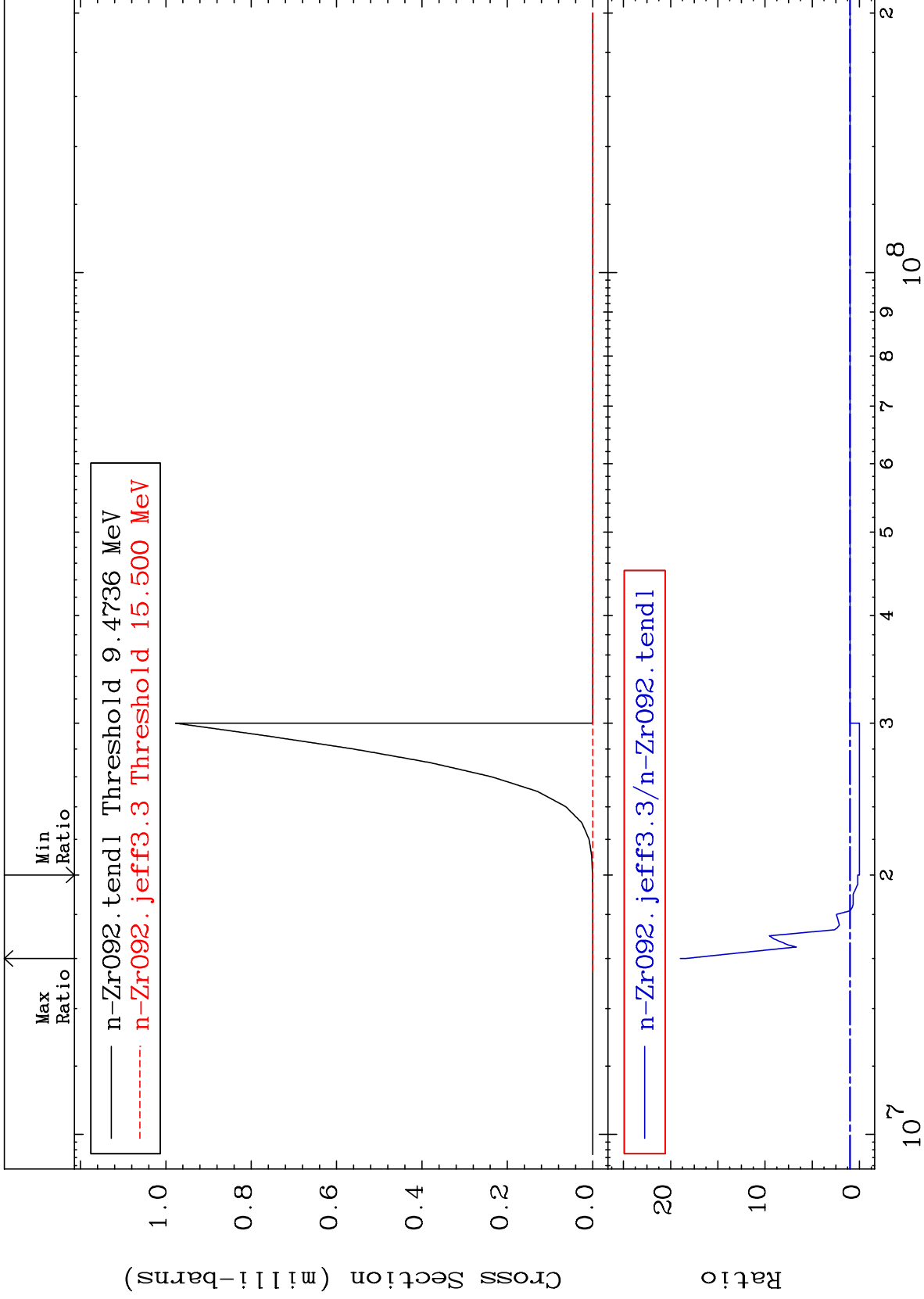
MAT 4031

(n, He-3)

40-Zr-92

Cross Section

-100.0 To 1797. %



36

Incident Energy (eV)

40-Zr-92

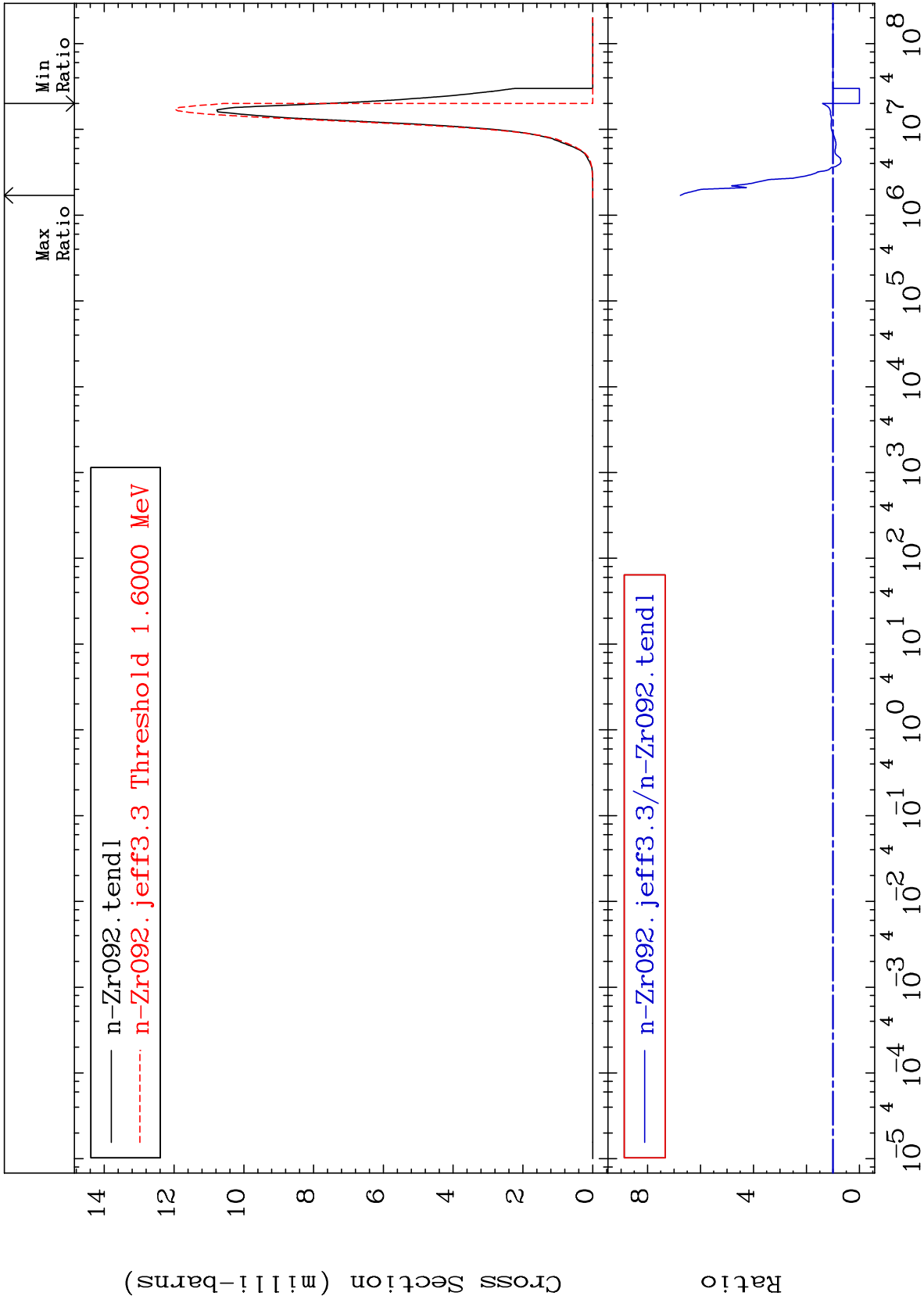
MAT 4031

(n,  $\alpha$ )

Cross Section

40-Zr-92

-100.0 To 576.2 %



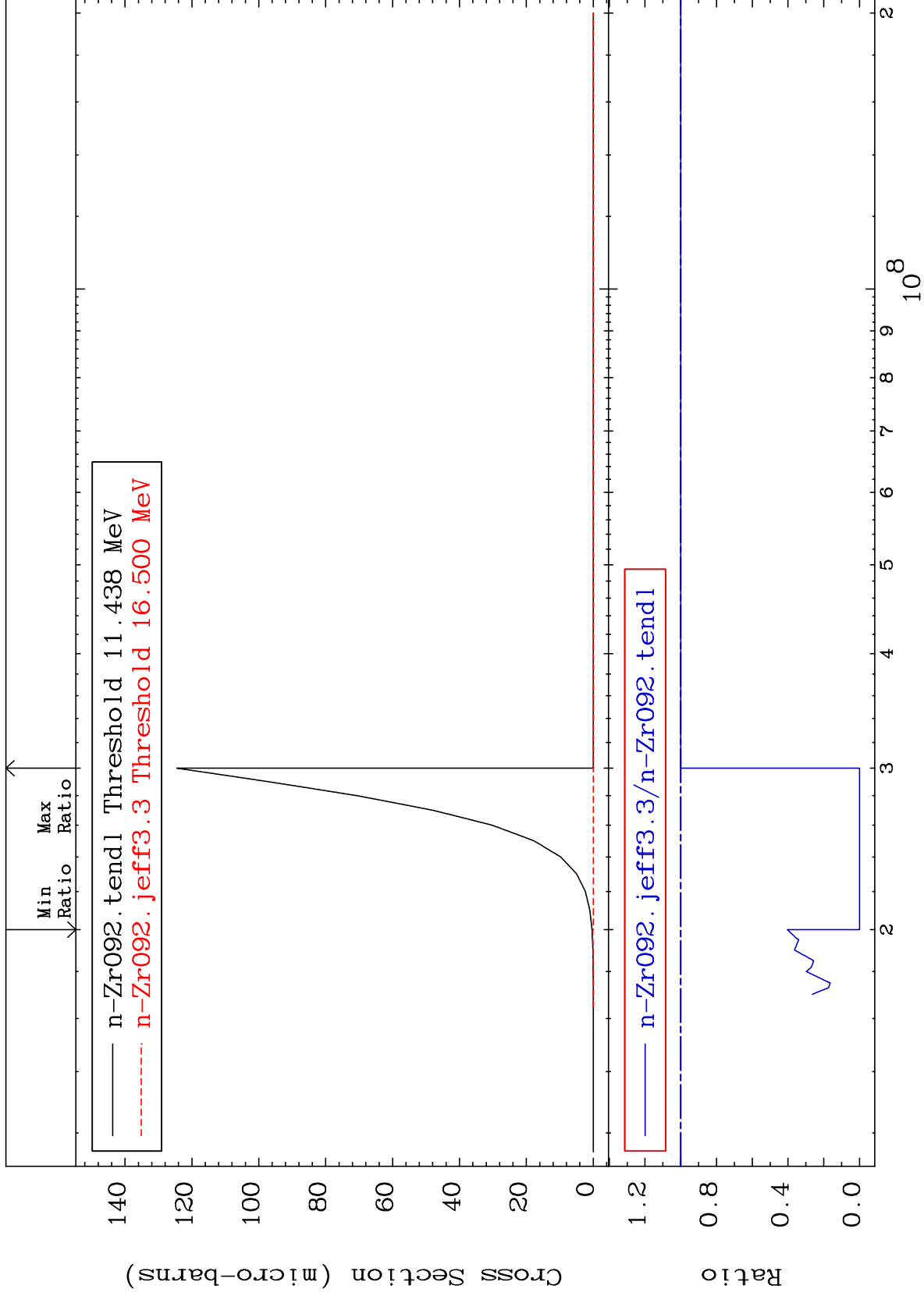
MAT 4031

(n,2p)

40-Zr-92

Cross Section

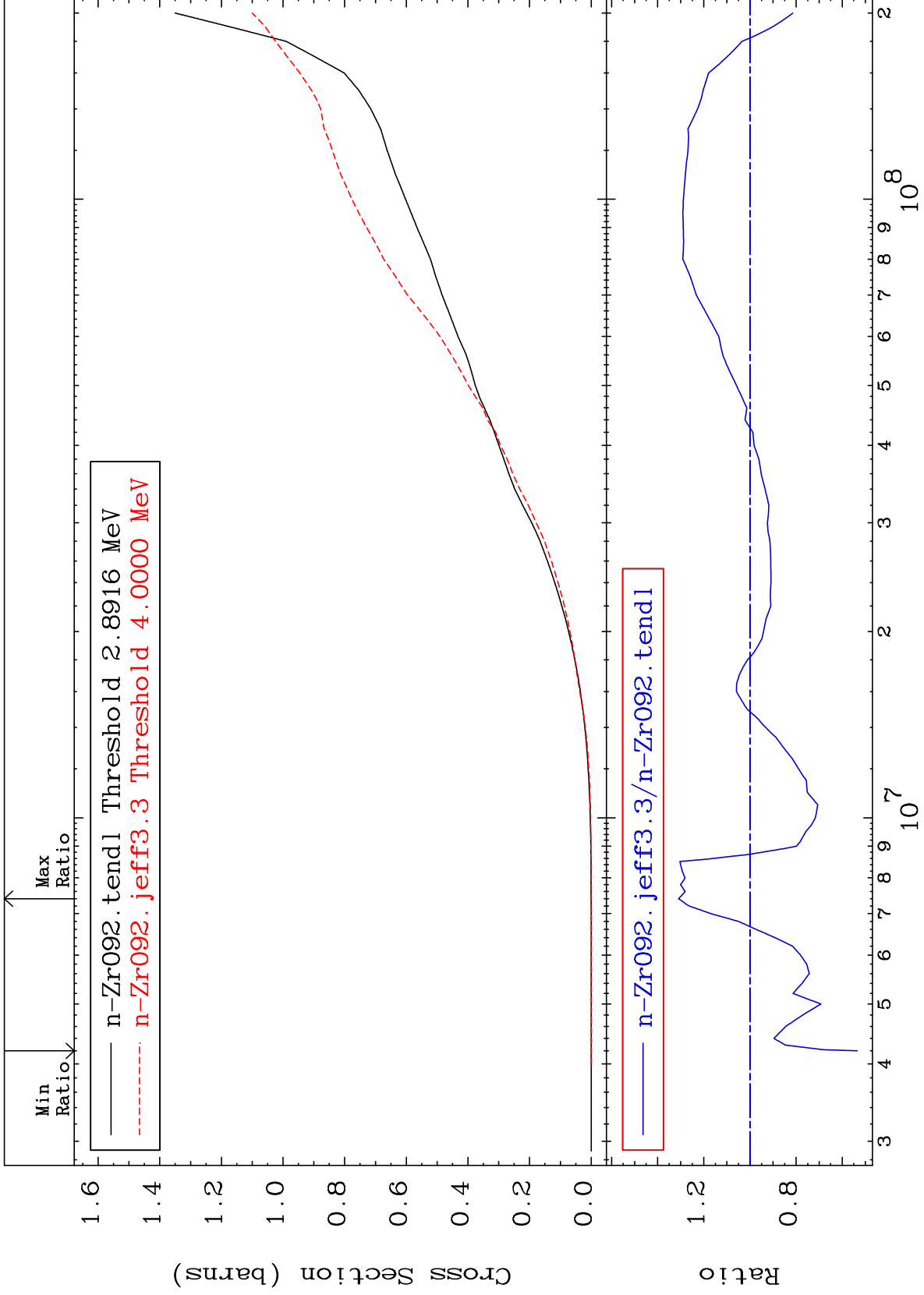
-100.0 To 0.000 %



MAT 4031

Hydrogen Production  
Cross Section

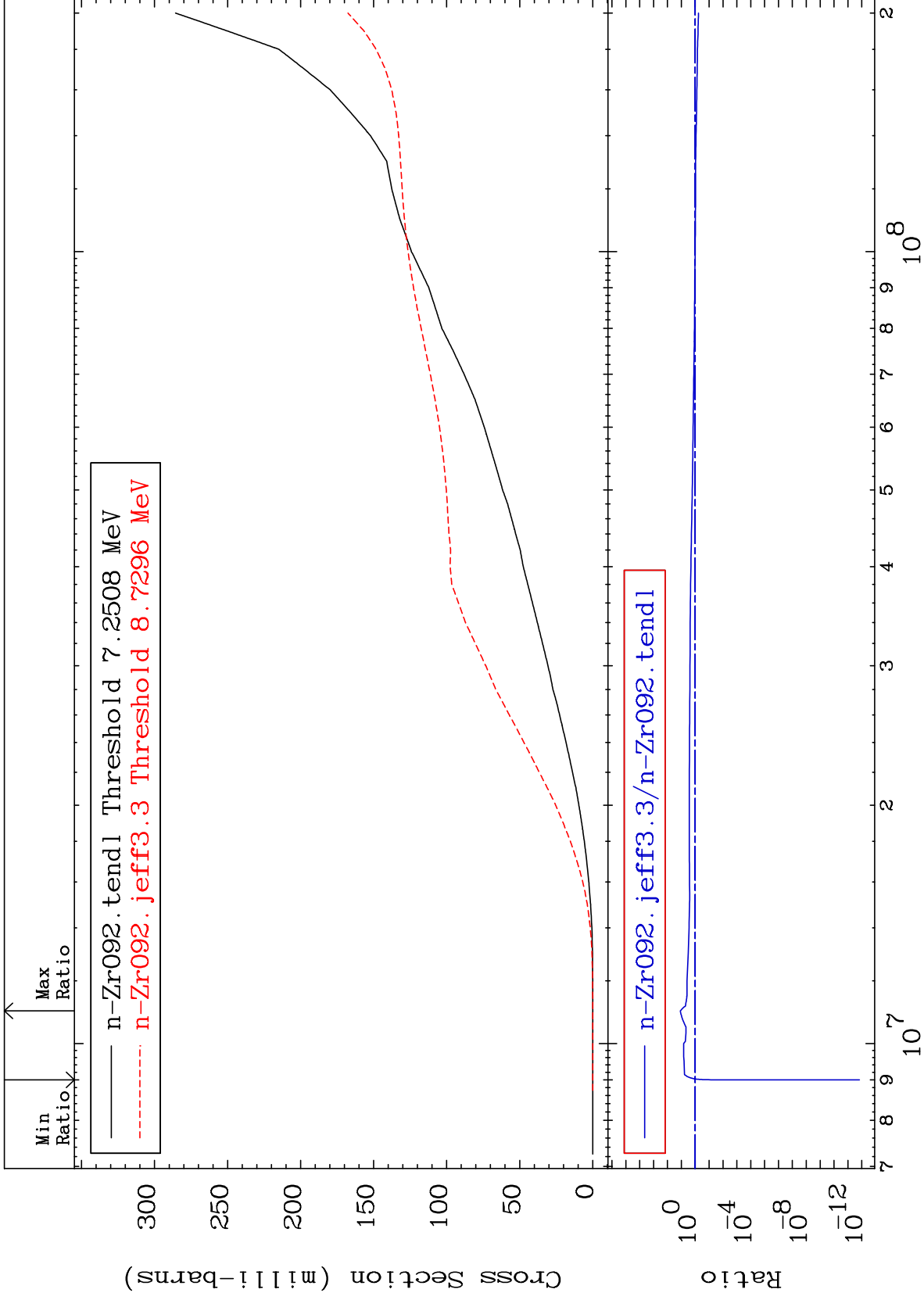
40-Zr-92  
-46.50 To 30.92 %



MAT 4031

Deuterium Production  
Cross Section

40-Zr-92  
-100.0 To 1076. %



40

Incident Energy (eV)

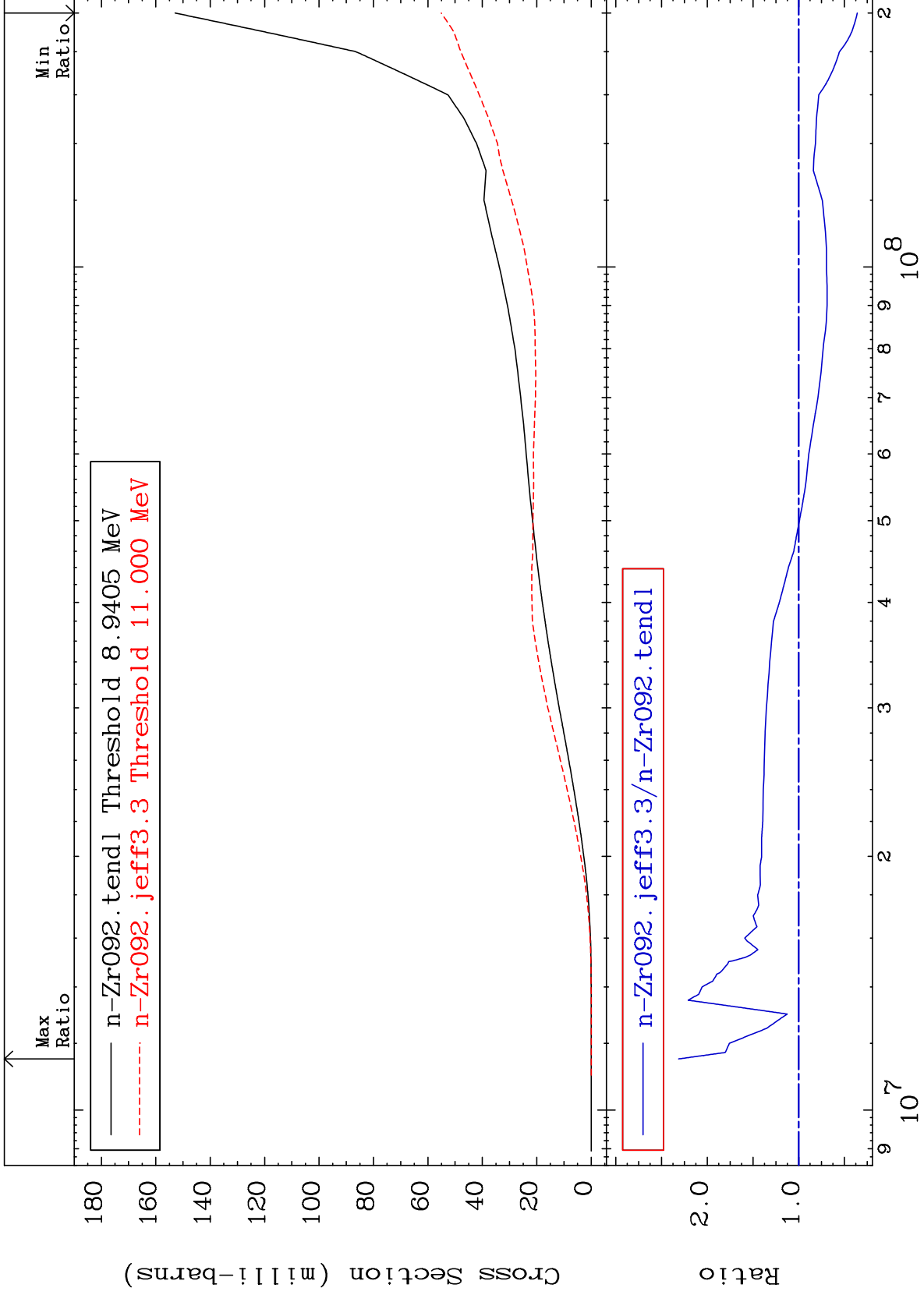
40-Zr-92



MAT 4031

Tritium Production  
Cross Section

40-Zr-92  
-64.00 To 131.2 %

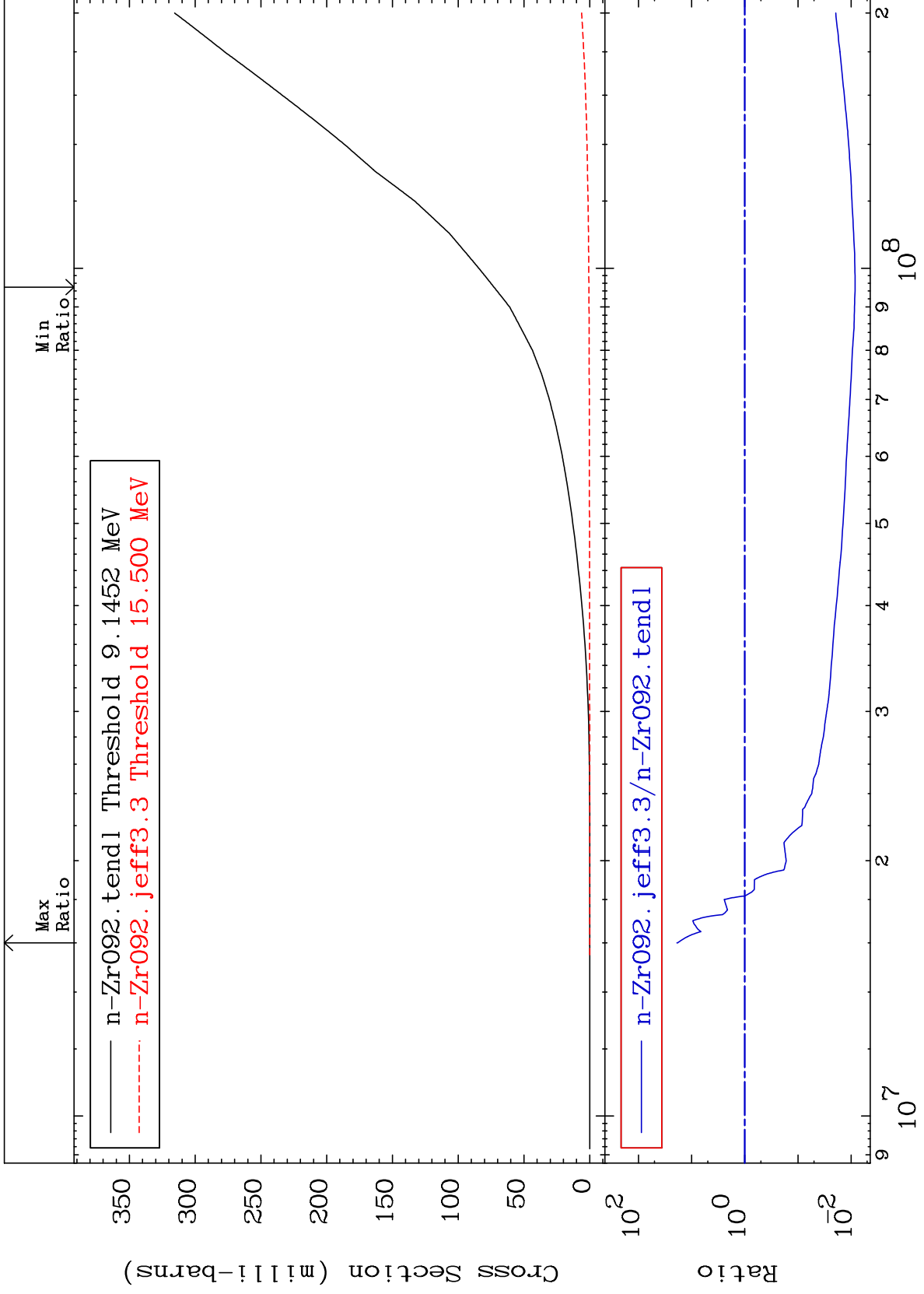


41

MAT 4031

He-3 Production  
Cross Section

40-Zr-92  
-99.16 To 1797. %



42

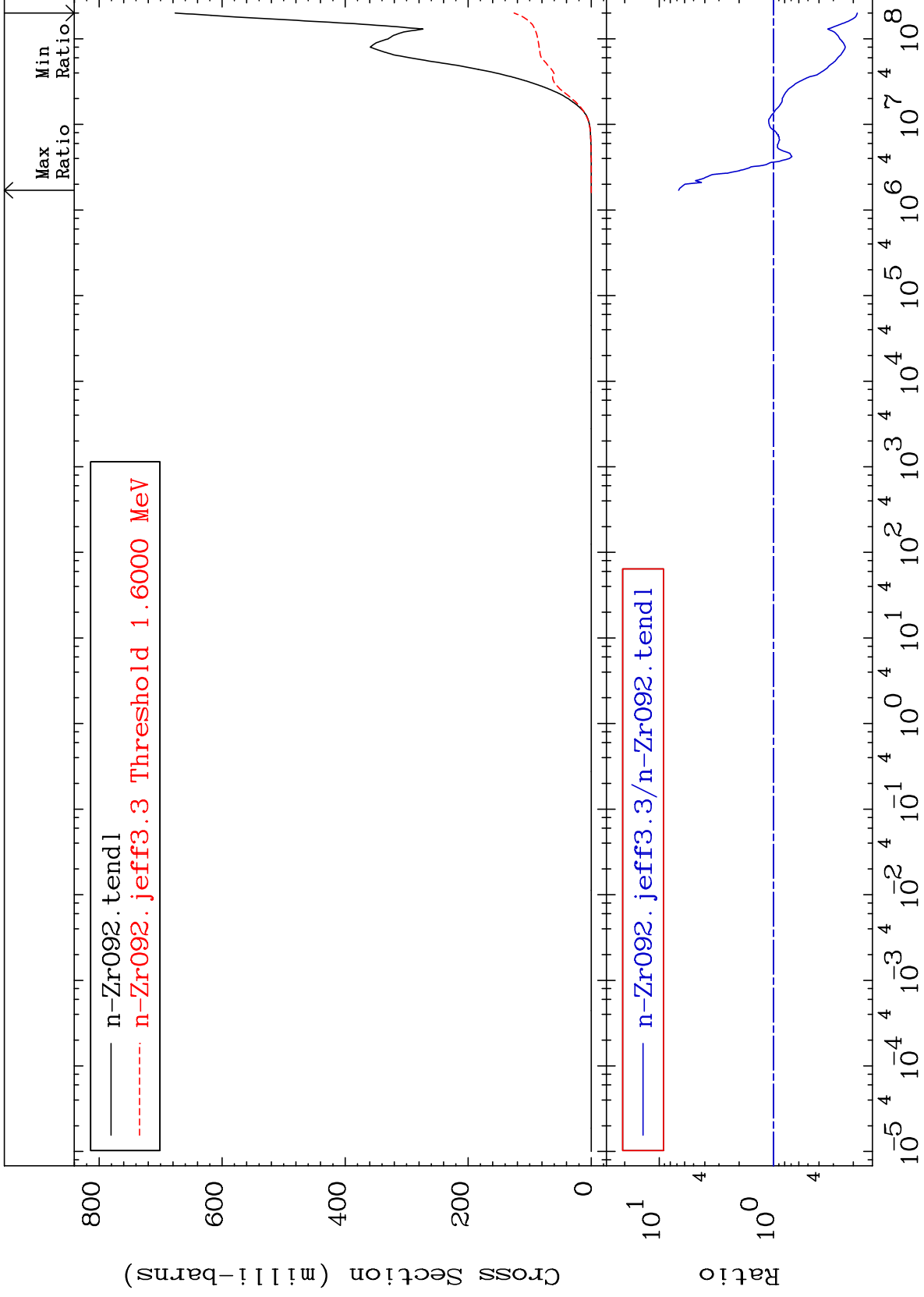
Incident Energy (eV)

40-Zr-92

MAT 4031

He-4 Production  
Cross Section

40-Zr-92  
-81.50 To 576.2 %



Incident Energy (eV)

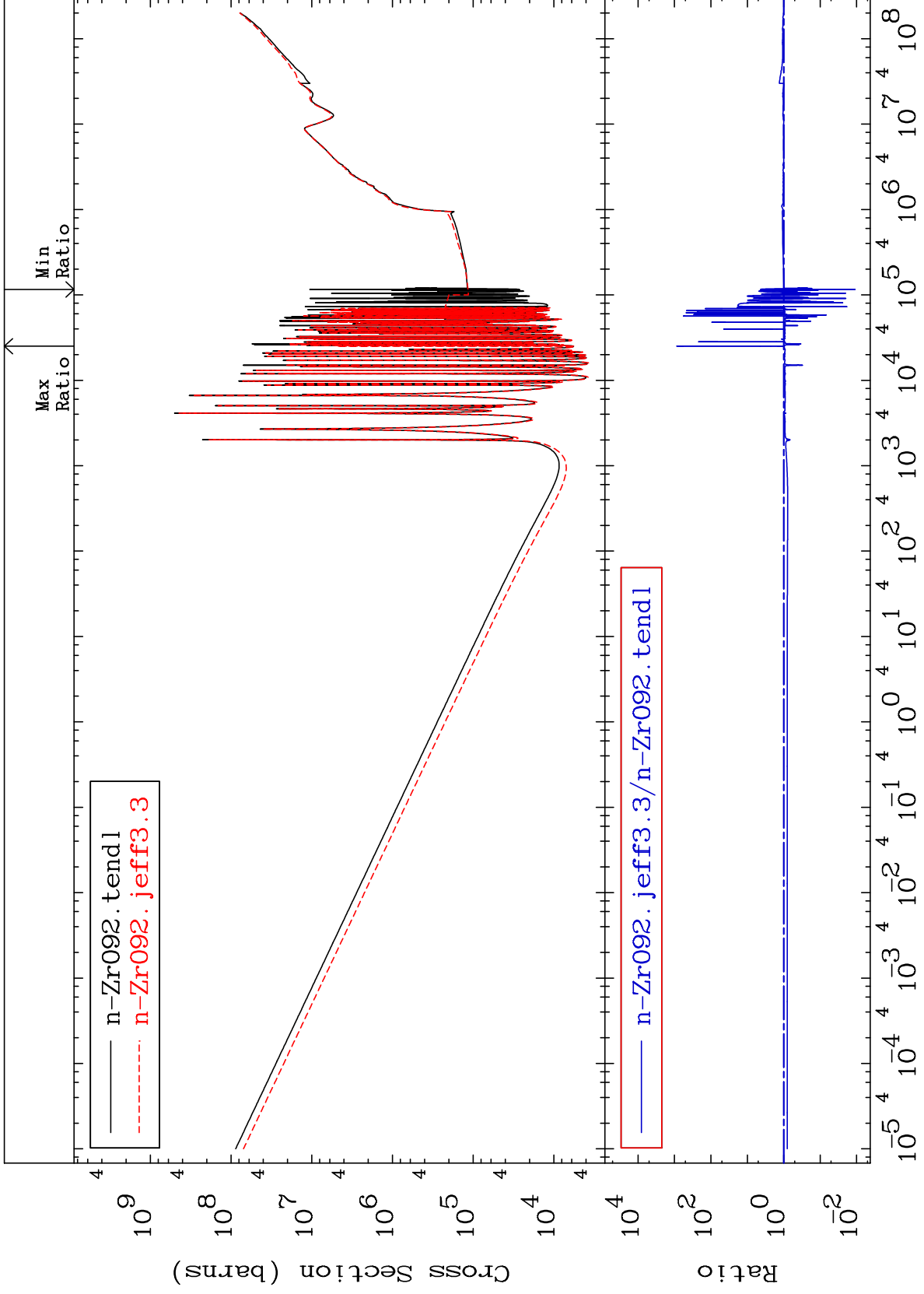
40-Zr-92

43

MAT 4031

Kerma total (eV-barns)  
Cross Section

40-Zr-92  
-98.90 To 9999. %



44

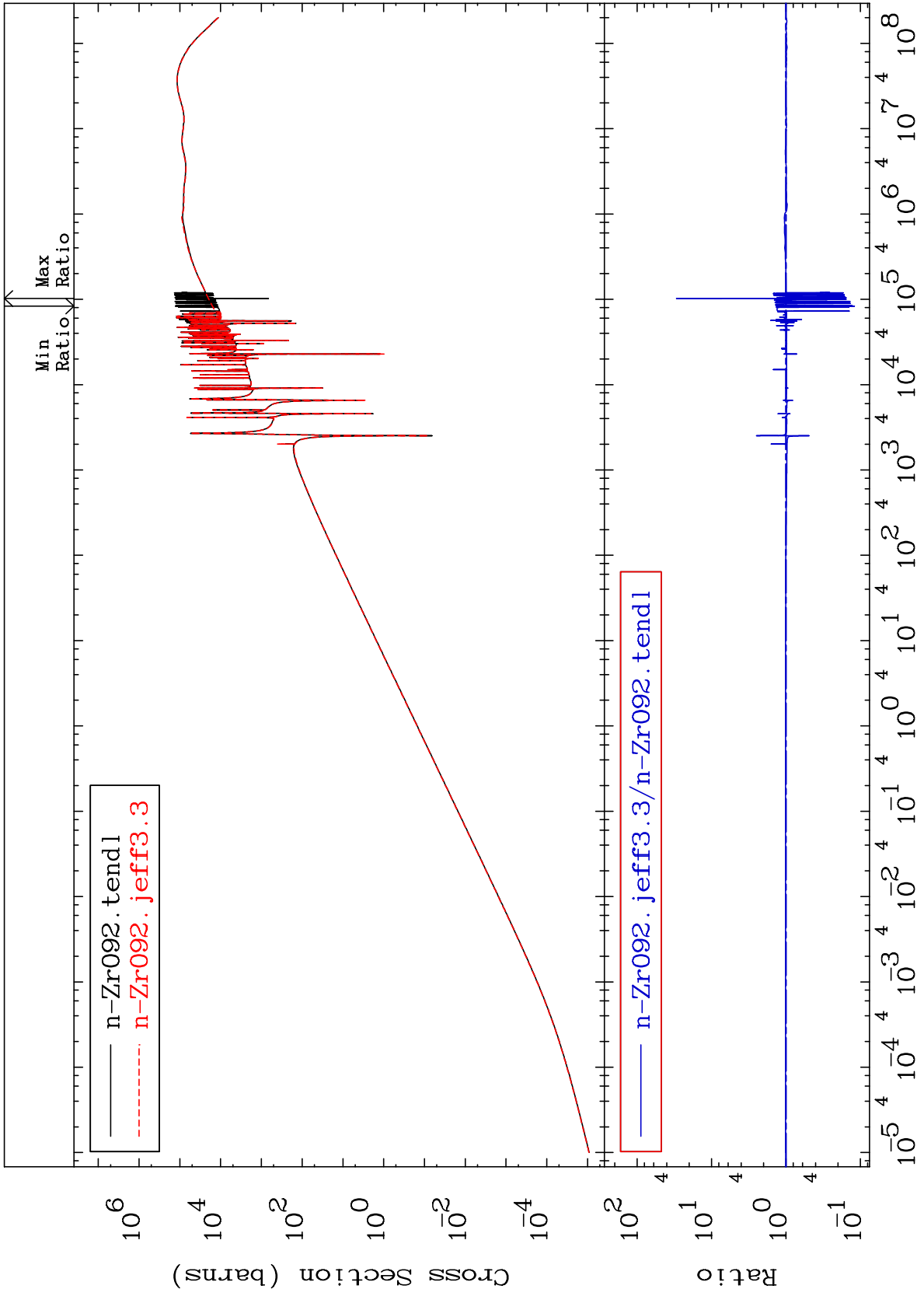
Incident Energy (eV)

40-Zr-92

MAT 4031

Kerma elastic  
Cross Section

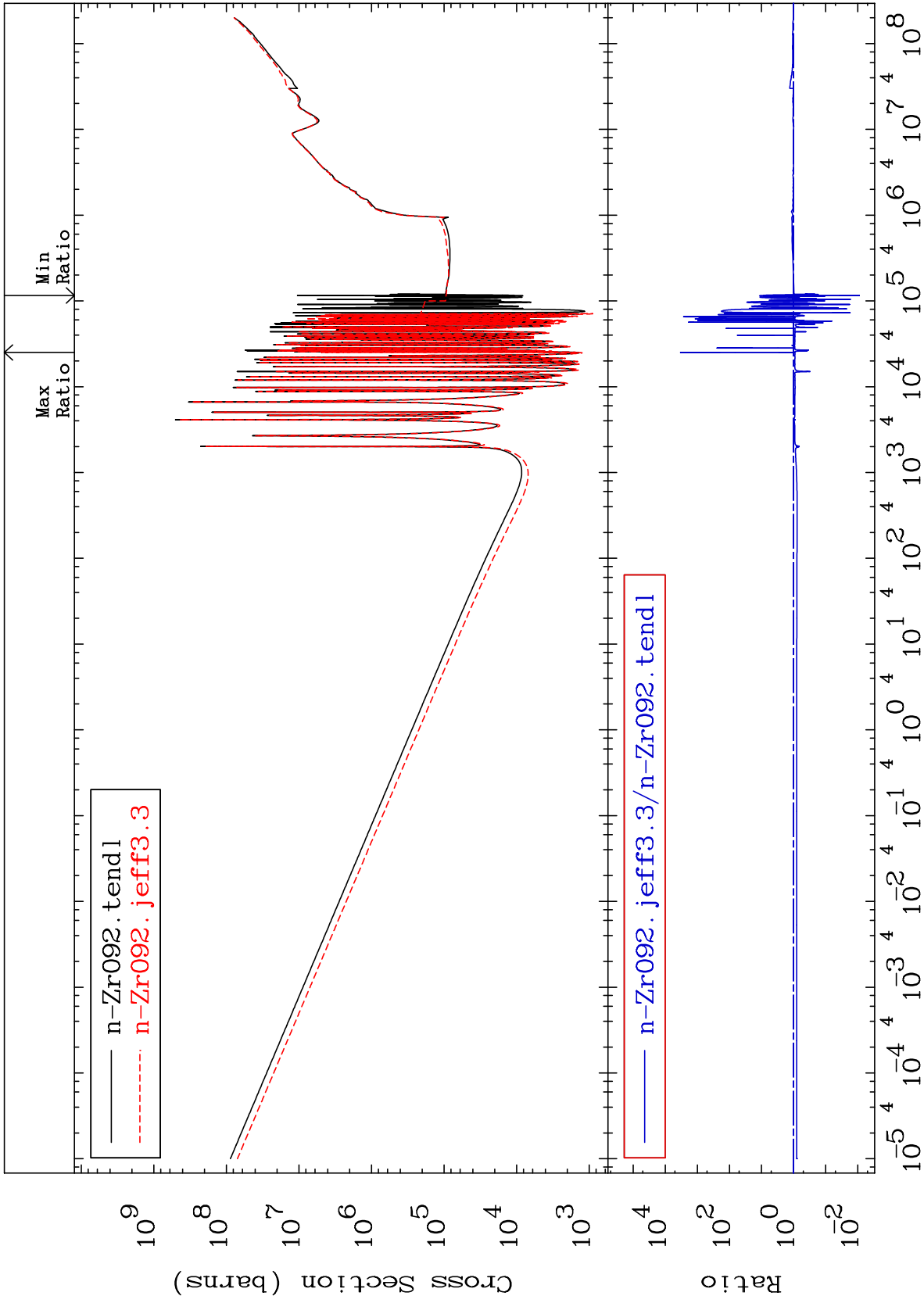
40-Zr-92  
-87.95 To 2872. %



45

Incident Energy (eV)

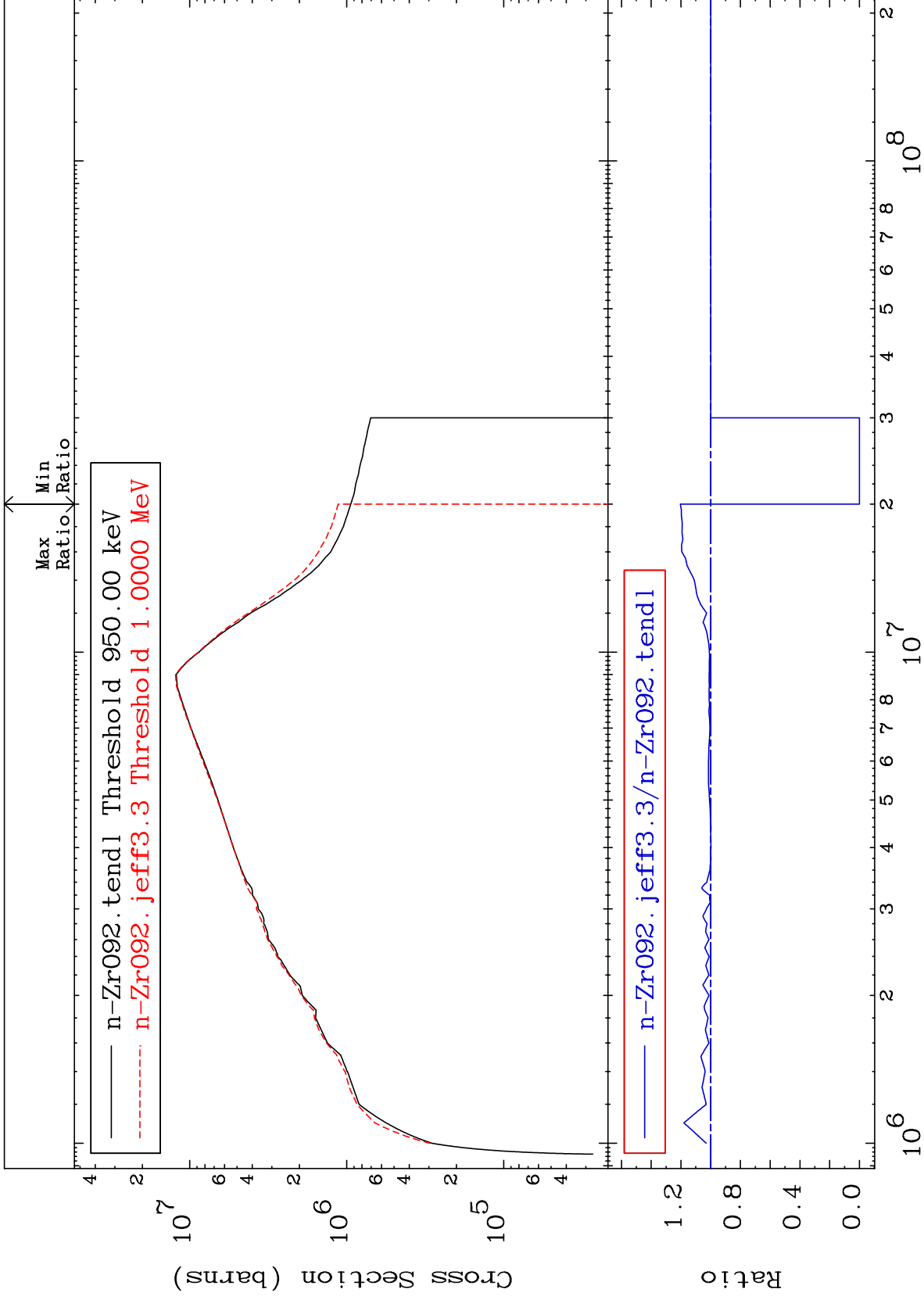
40-Zr-92



MAT 4031

Kerma inelastic (mt51-91)  
Cross Section

40-Zr-92  
-100.0 To 20.38 %



47

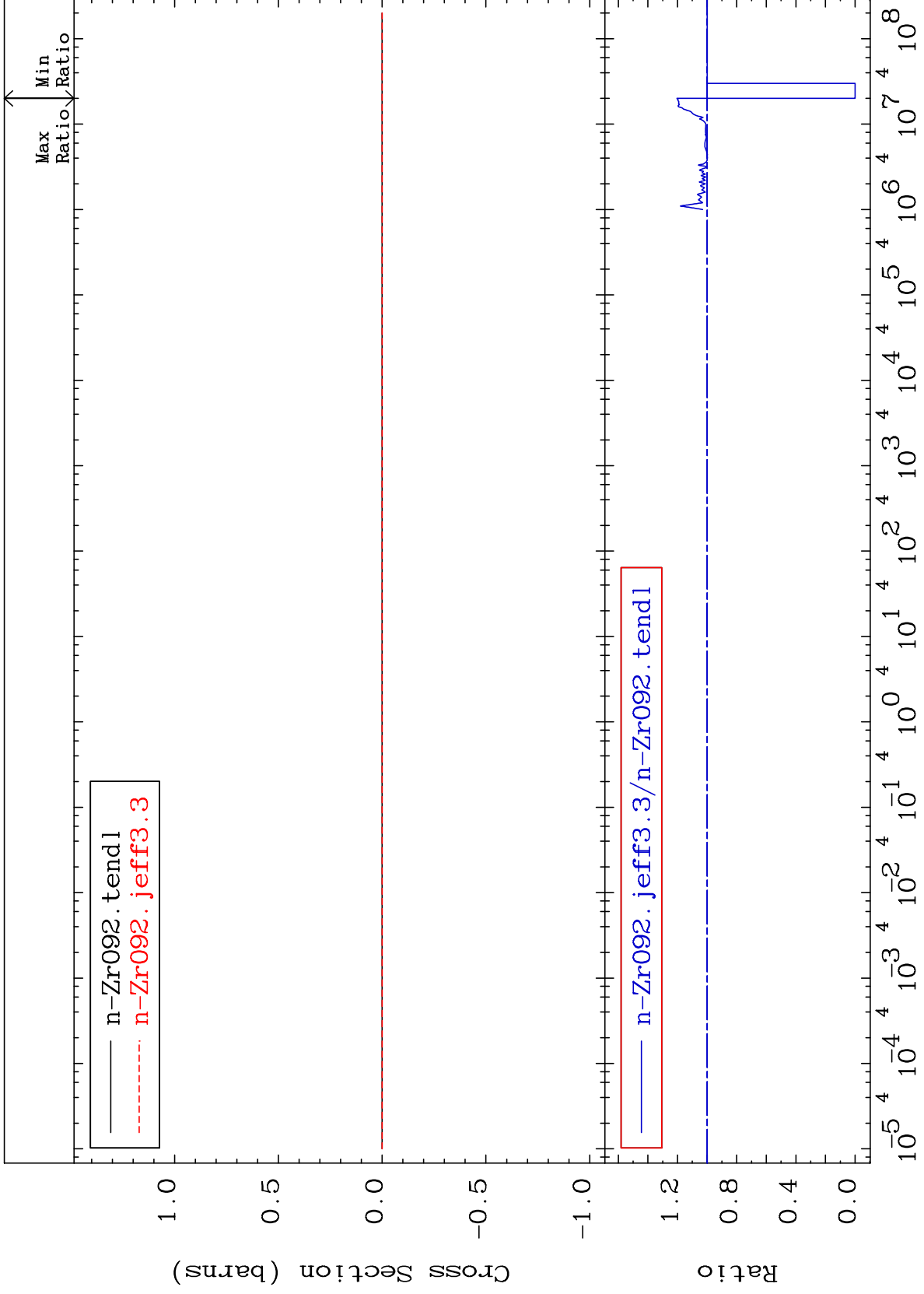
Incident Energy (eV)

40-Zr-92

MAT 4031

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

40-Zr-92  
-100.0 To 20.38 %



Incident Energy (eV)

40-Zr-92

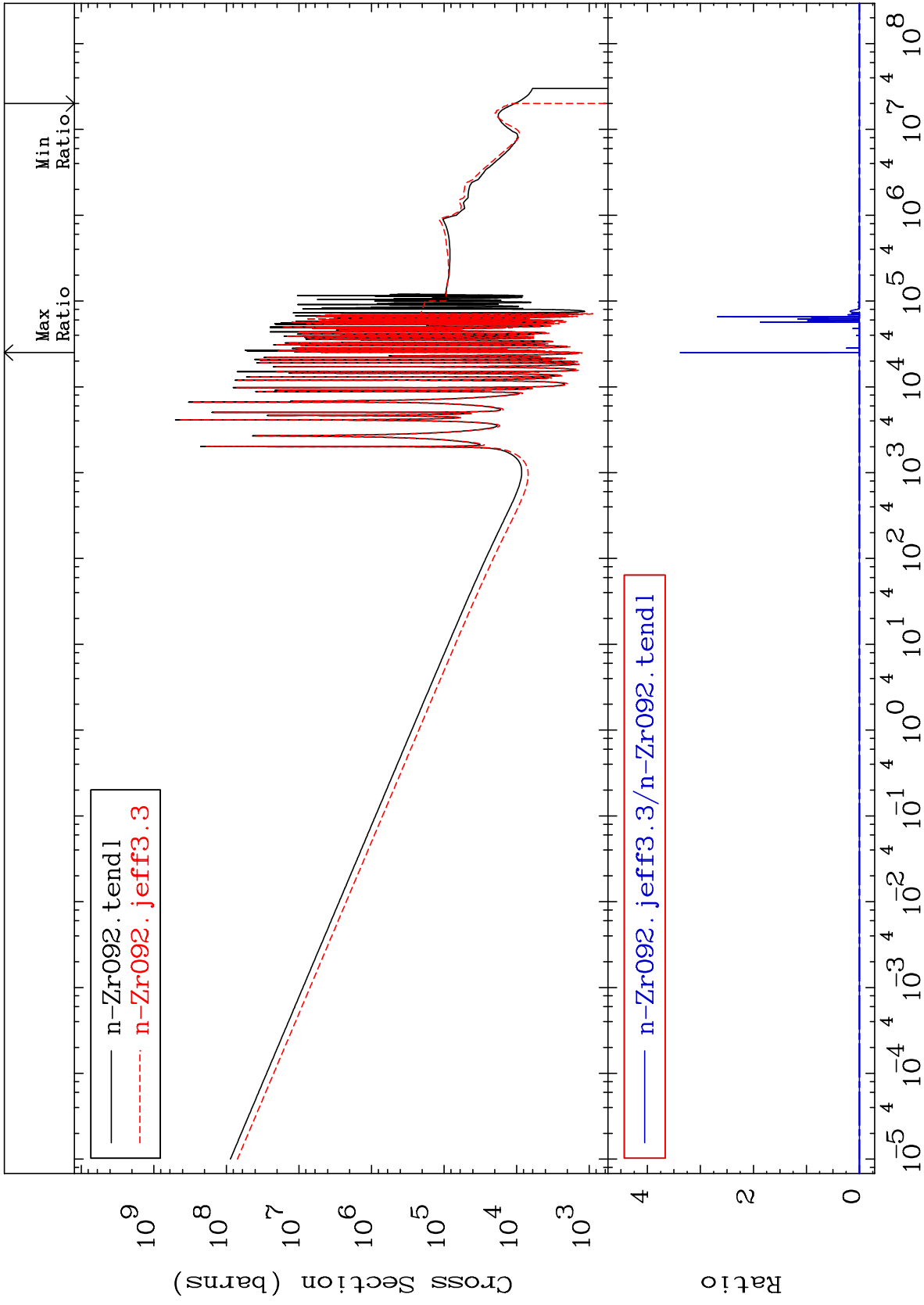
48



MAT 4031

Kerma capture (mt102)  
Cross Section

40-Zr-92  
-100.0 To 9999. %



49

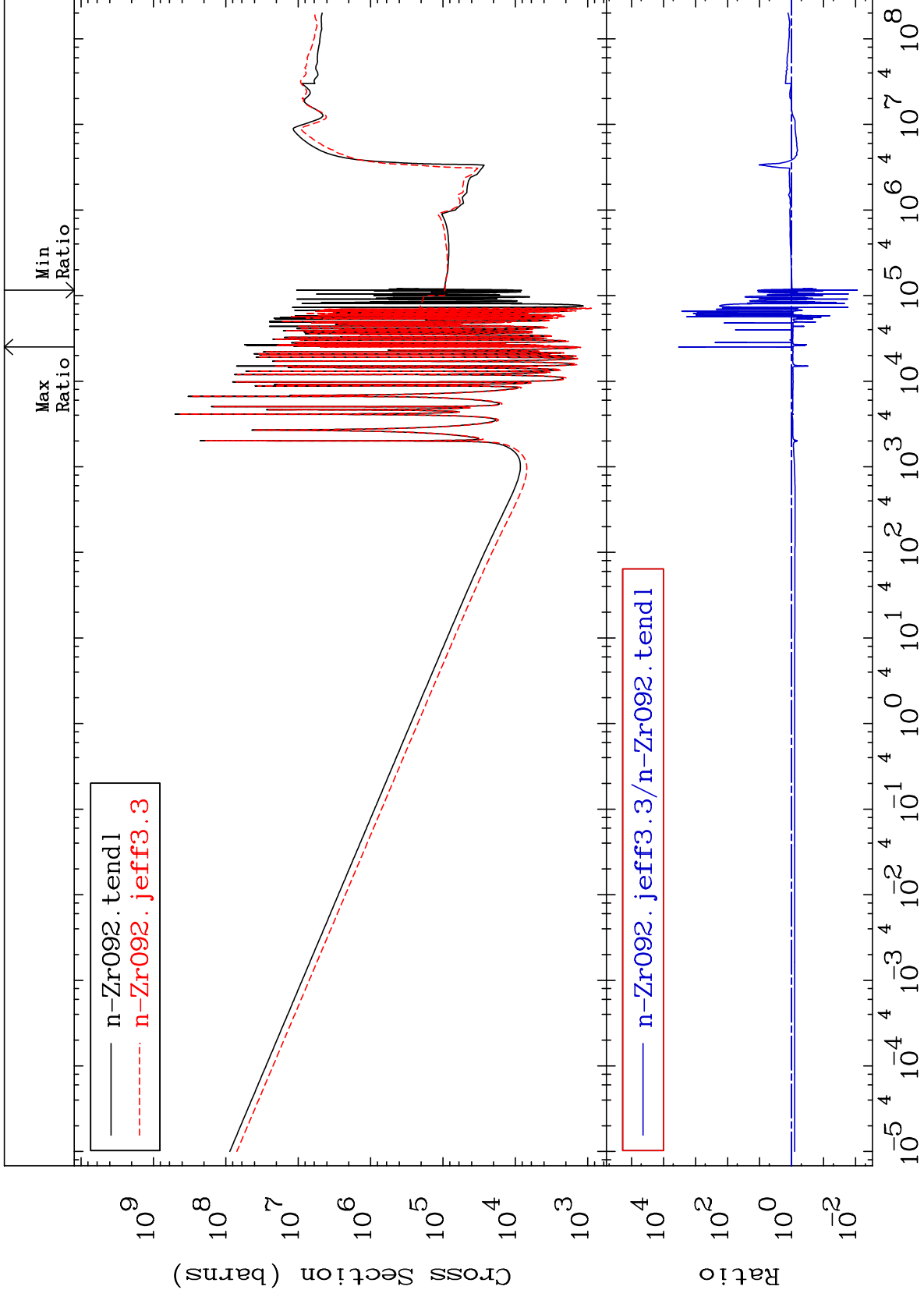
Incident Energy (eV)

40-Zr-92

MAT 4031

Total photon (eV-barns)  
Cross Section

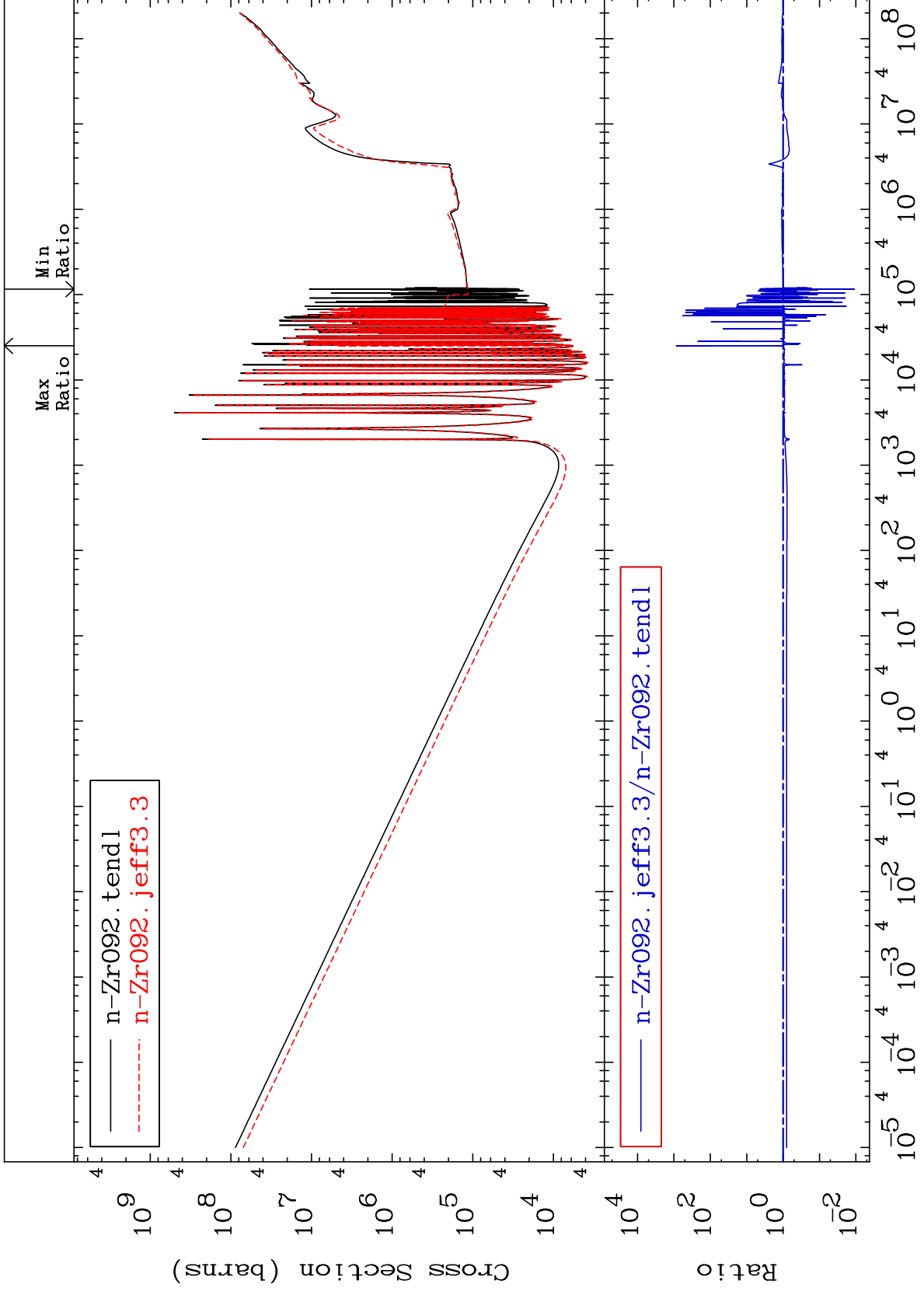
40-Zr-92  
-99.11 To 9999. %



50

Incident Energy (eV)

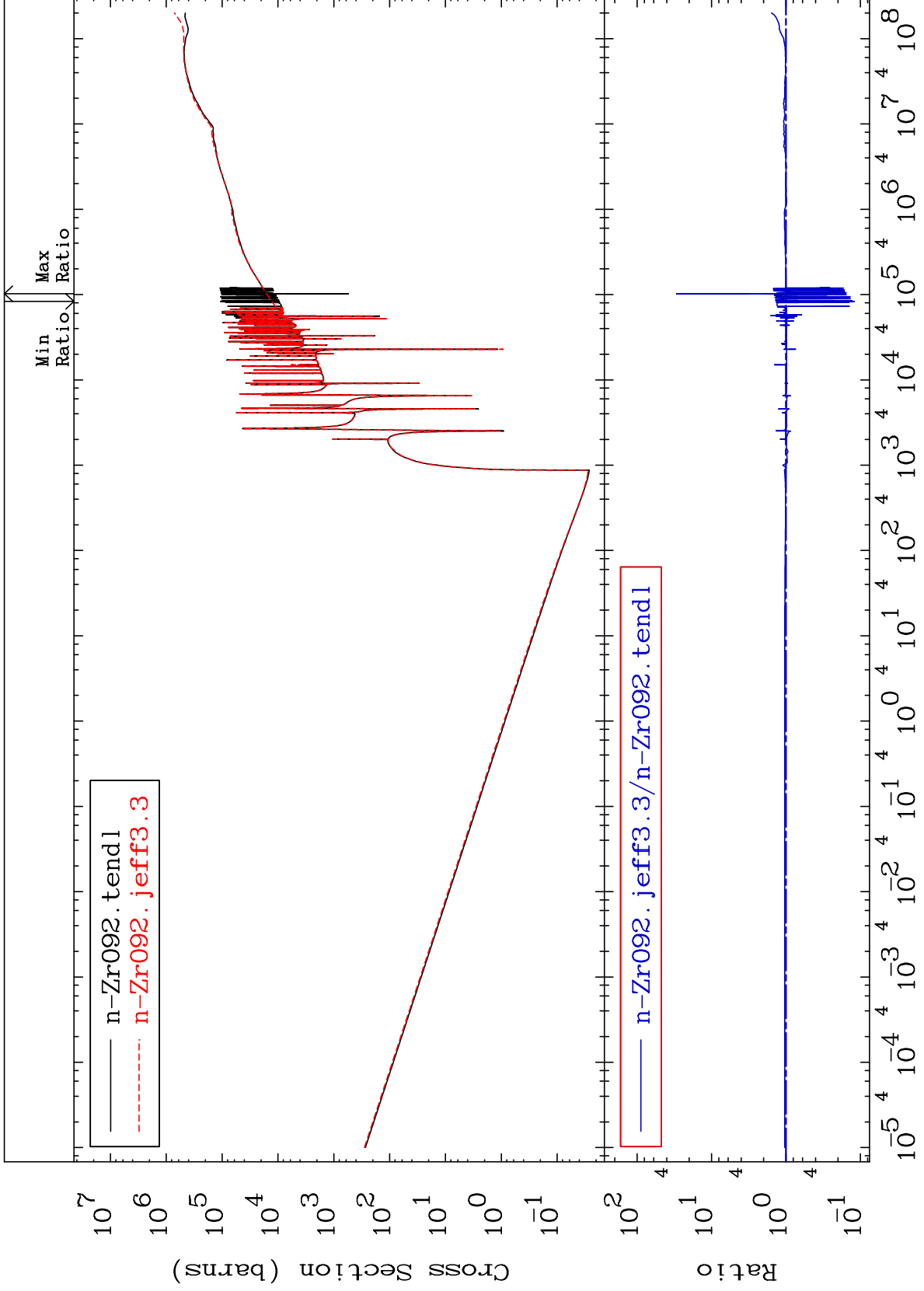
40-Zr-92



MAT 4031

Dpa total (eV-barns)  
Cross Section

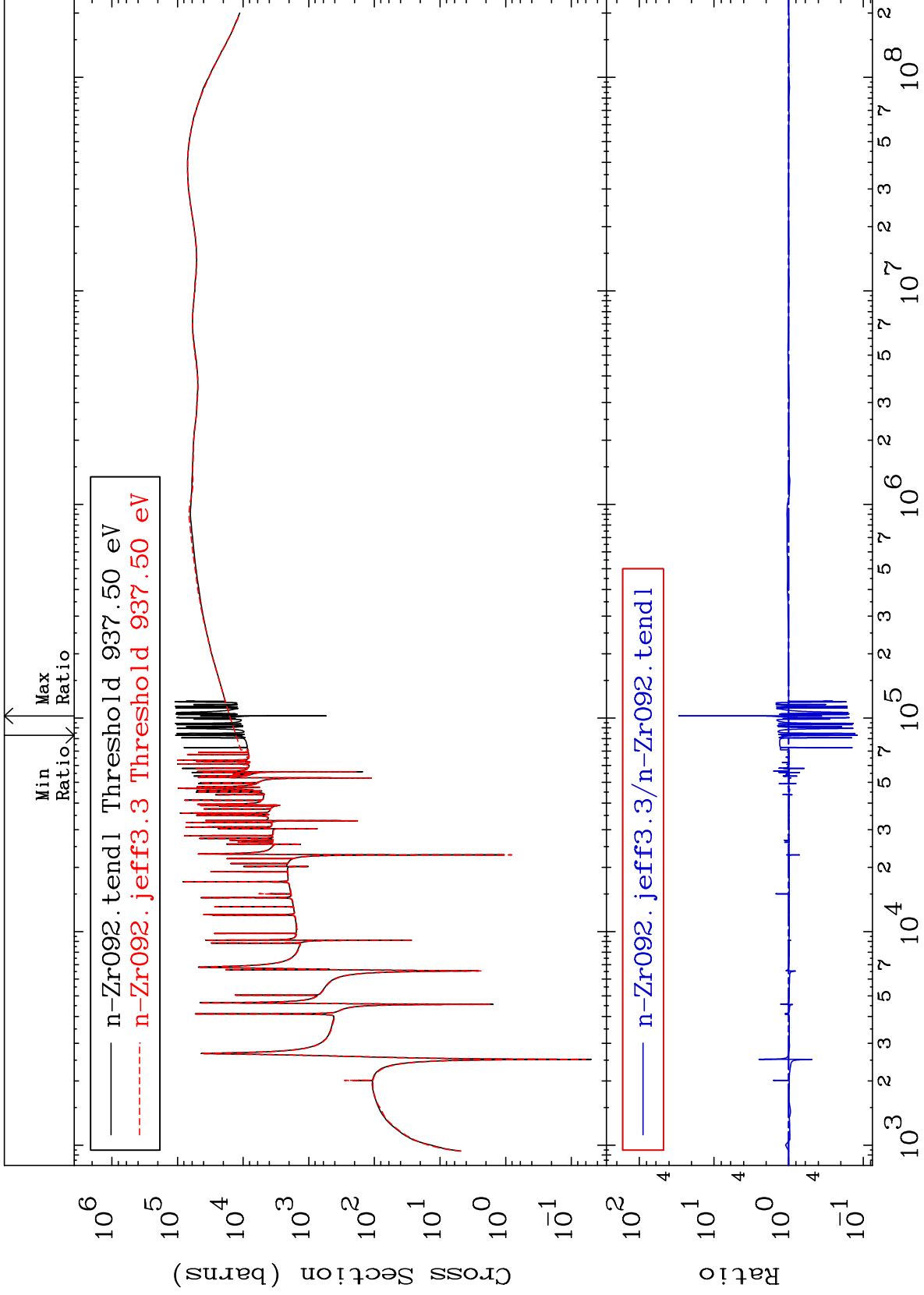
40-Zr-92  
-87.94 To 2869. %



MAT 4031

Dpa elastic (mt2)  
Cross Section

40-Zr-92  
-87.94 To 2872. %



53

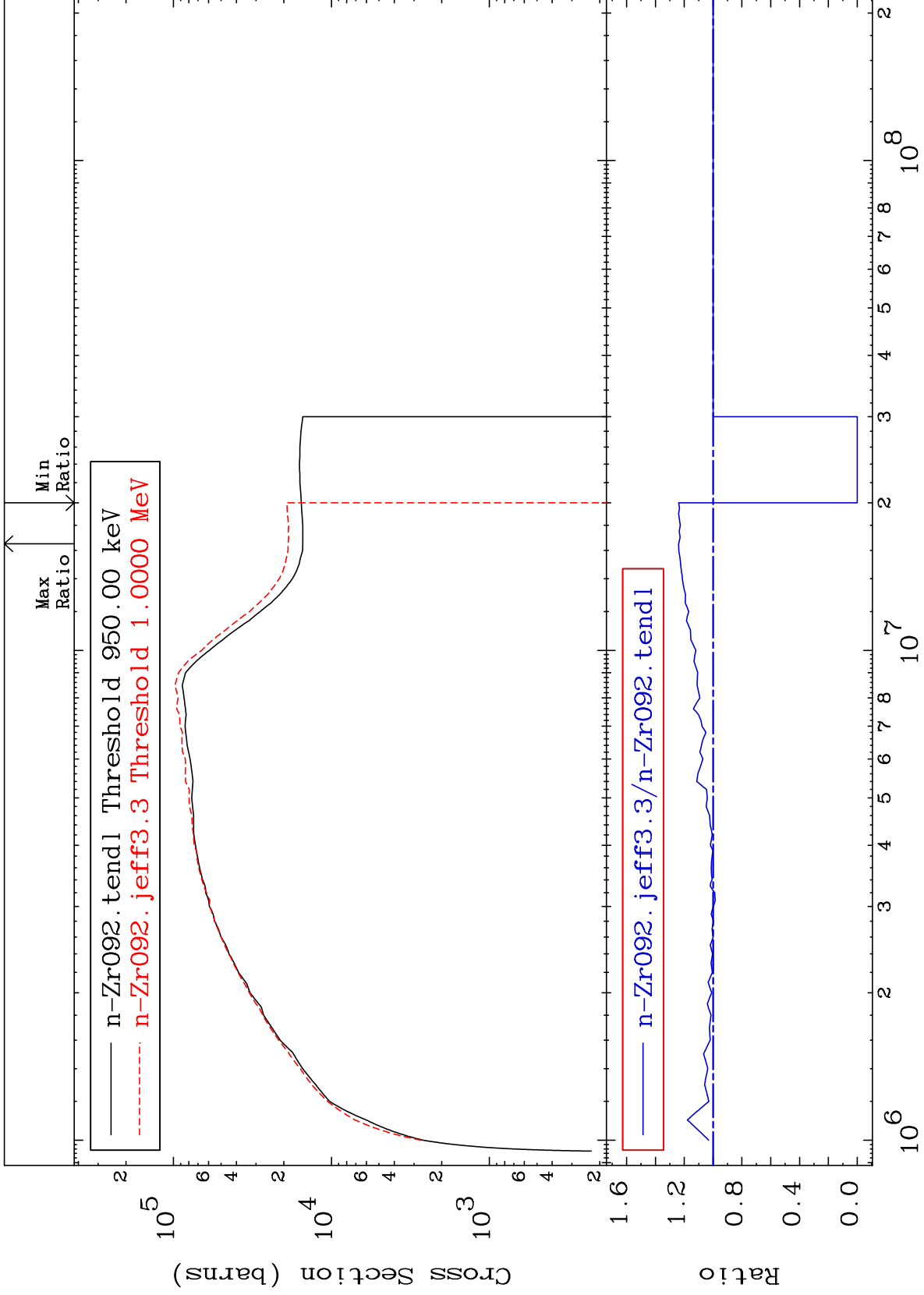
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-92  
-100.0 To 23.89 %



54

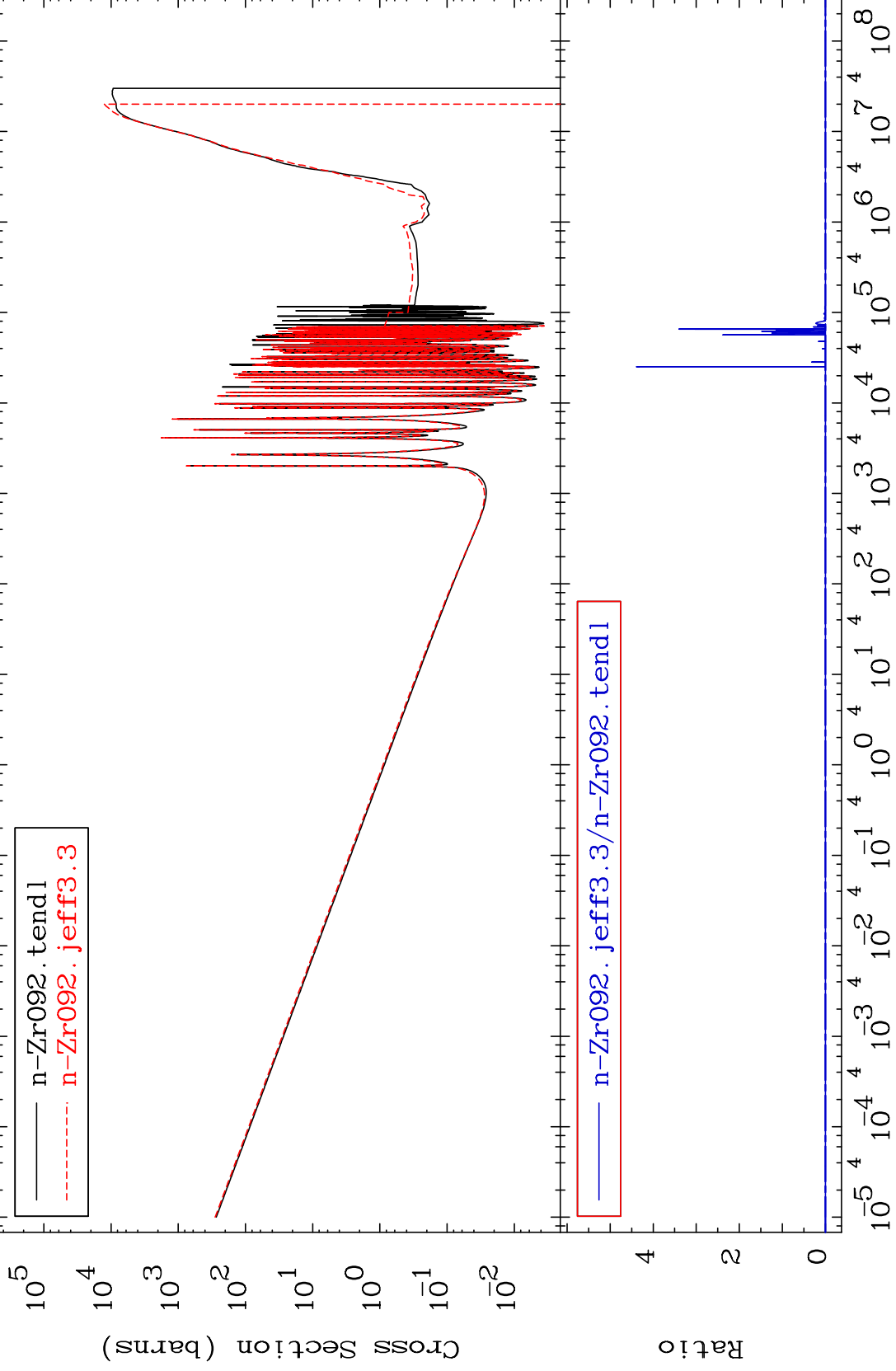
Incident Energy (eV)

40-Zr-92

MAT 4031

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-92  
-100.0 To 9999. %



55

Incident Energy (eV)

40-Zr-92