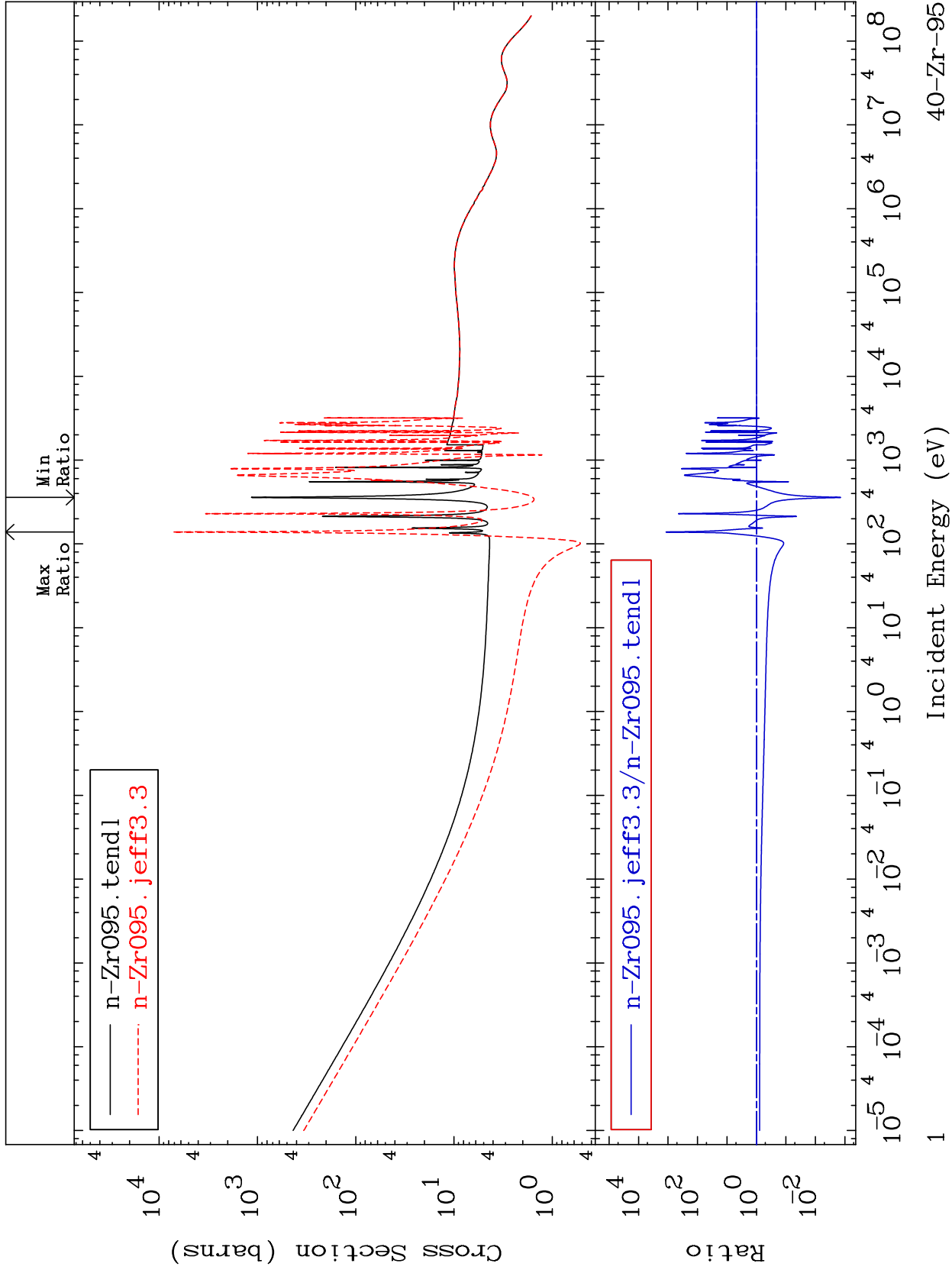


MAT 4040

Total Cross Section
40-Zr-95
-99.86 To 9999. %

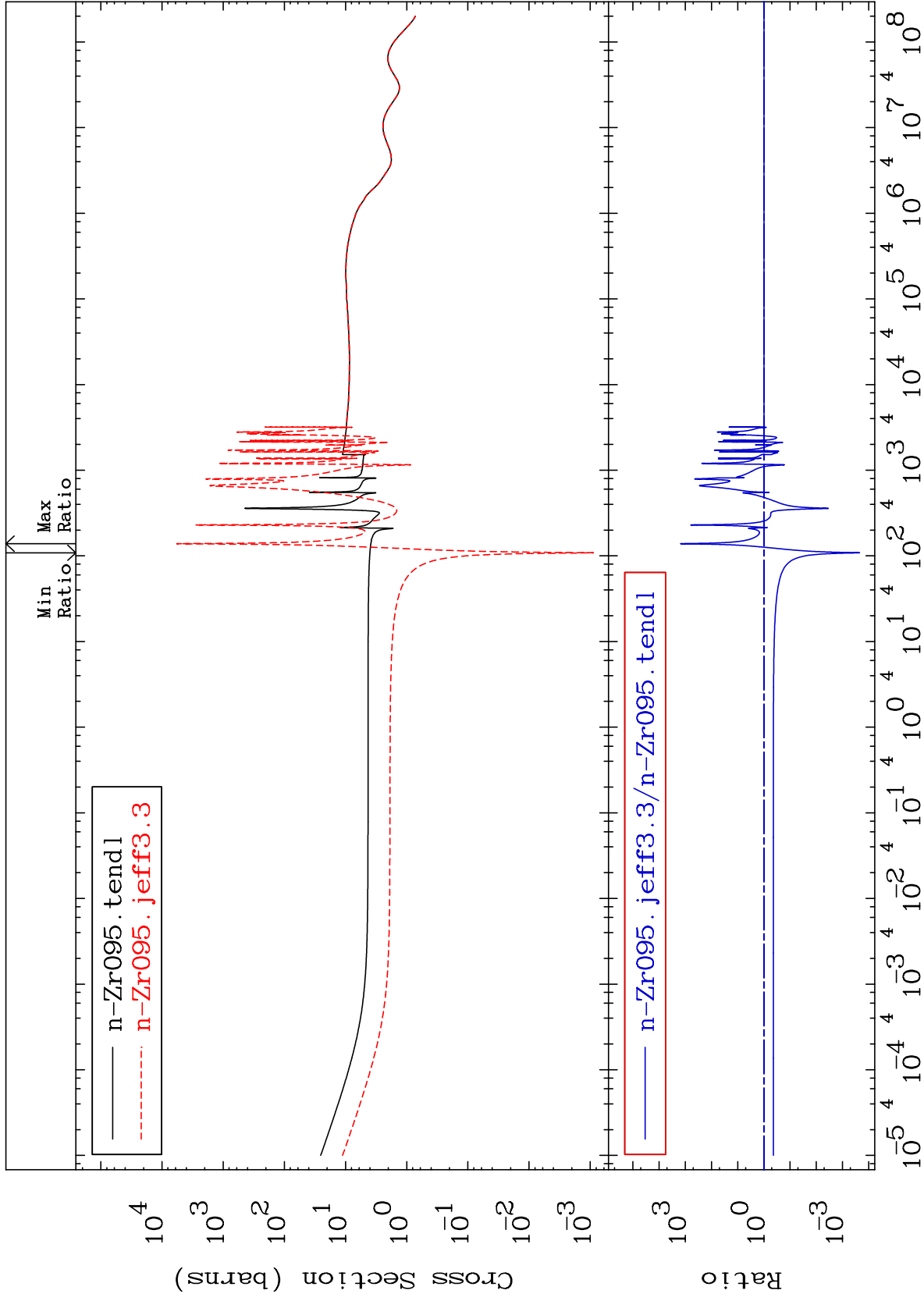


40-Zr-95

MAT 4040

Elastic
Cross Section

40-Zr-95
-99.98 To 9999. %



2

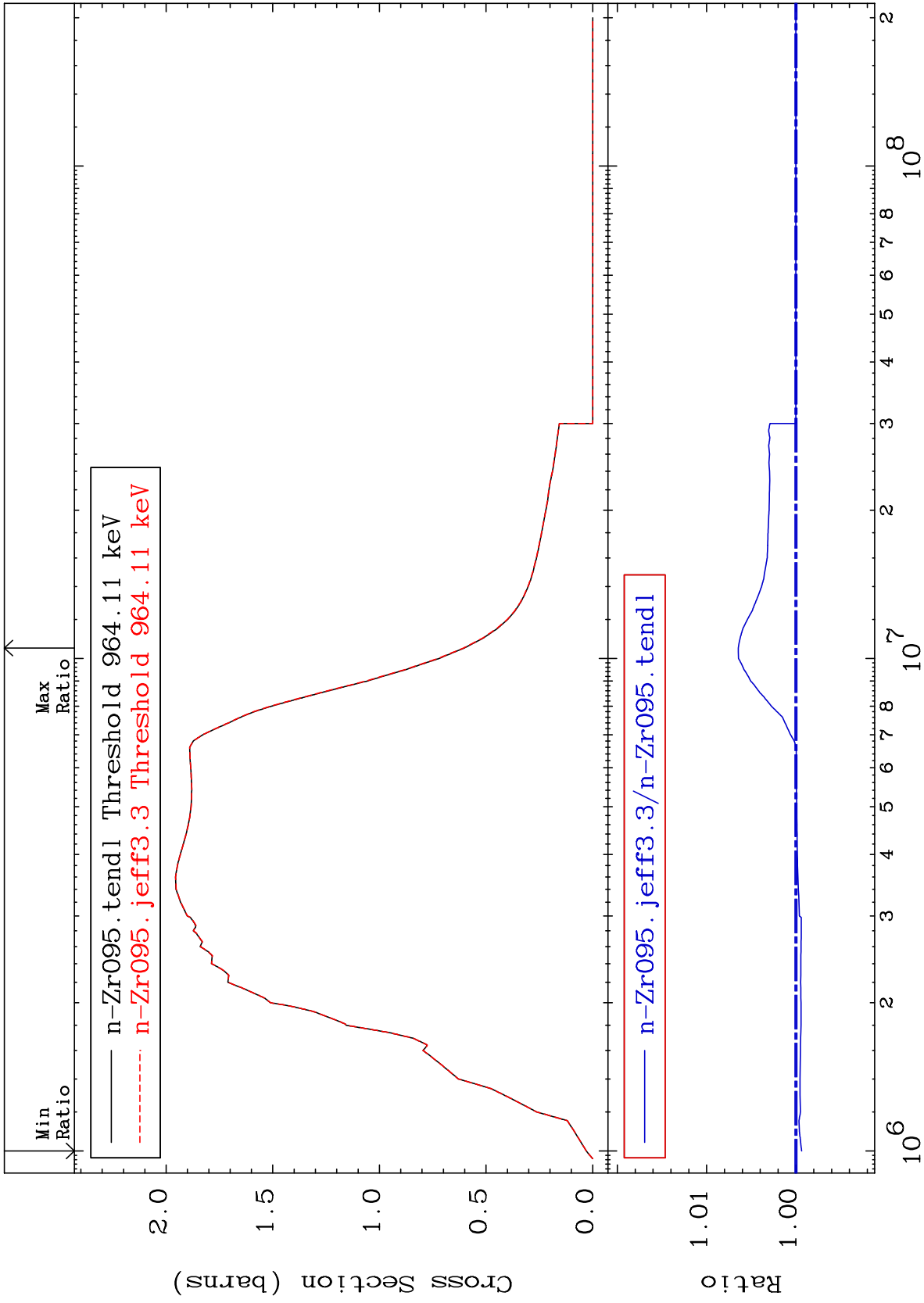
Incident Energy (eV)

40-Zr-95

MAT 4040

Inelastic
Cross Section

40-Zr-95
-0.063 To 0.646 %



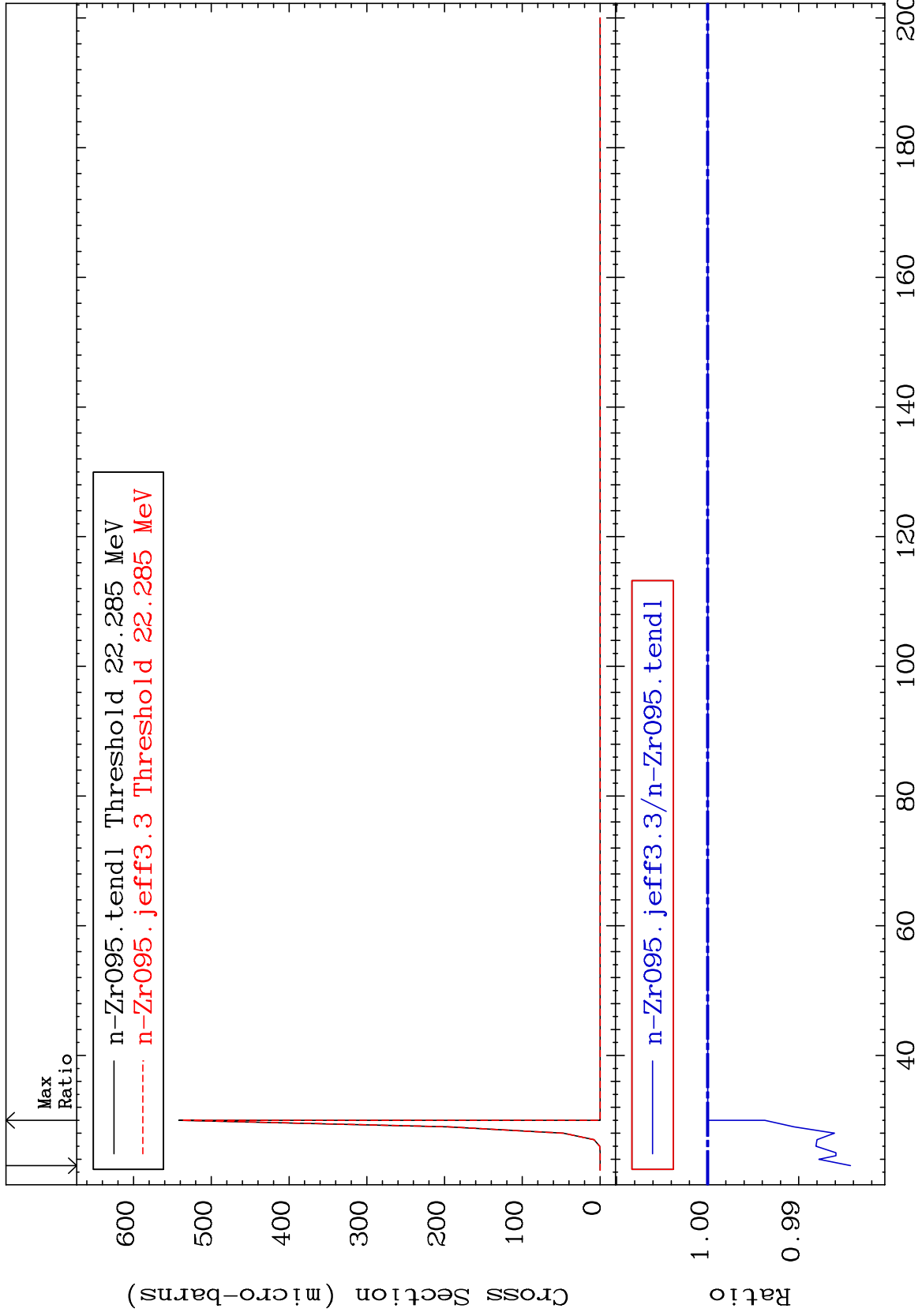
Incident Energy (eV)

40-Zr-95

MAT 4040

(n,2n) d
Cross Section

40-Zr-95
-1.566 To 0.000 %



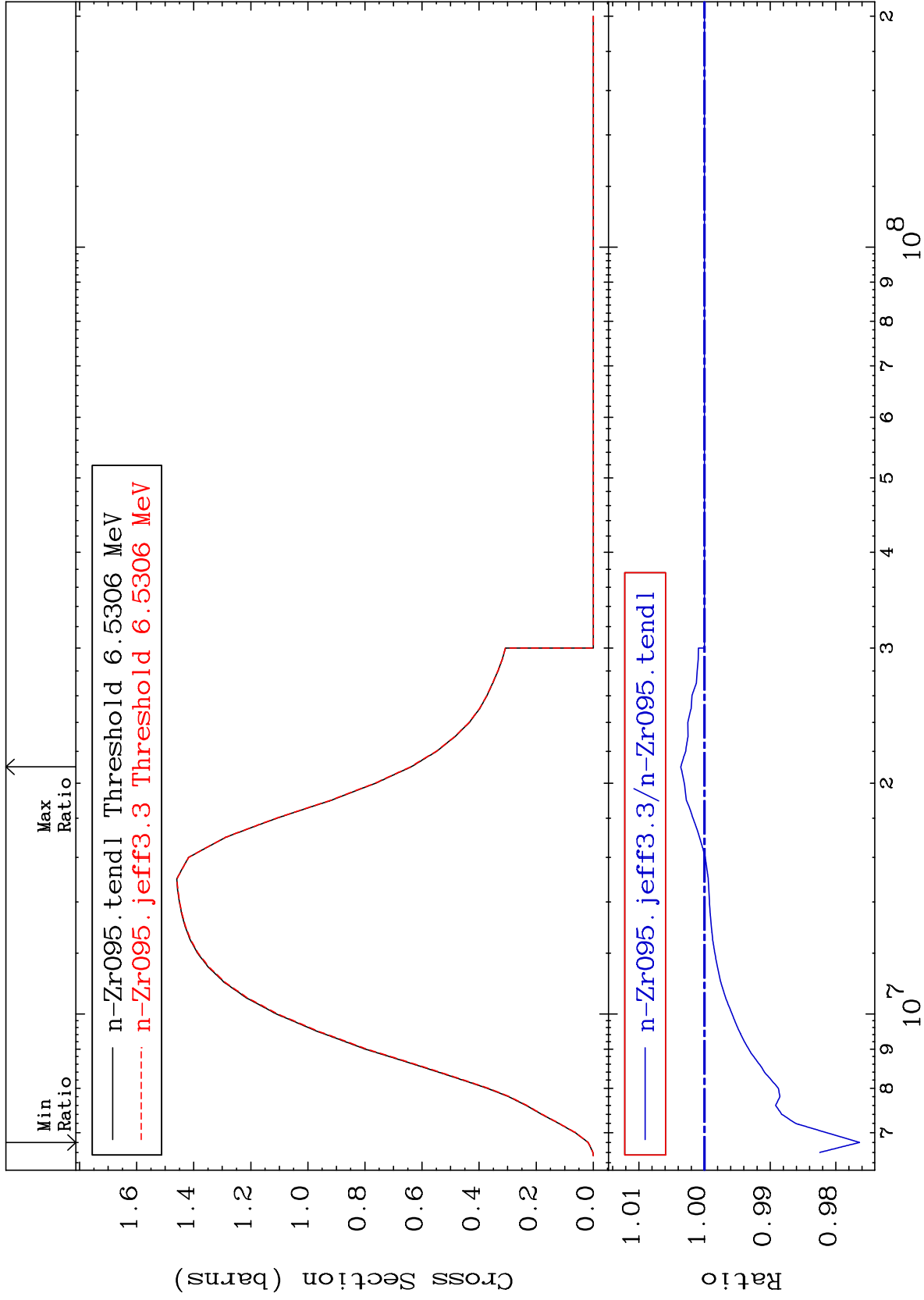
MAT 4040

(n,2n)

40-Zr-95

Cross Section

-2.362 To 0.362 %



5

Incident Energy (eV)

40-Zr-95

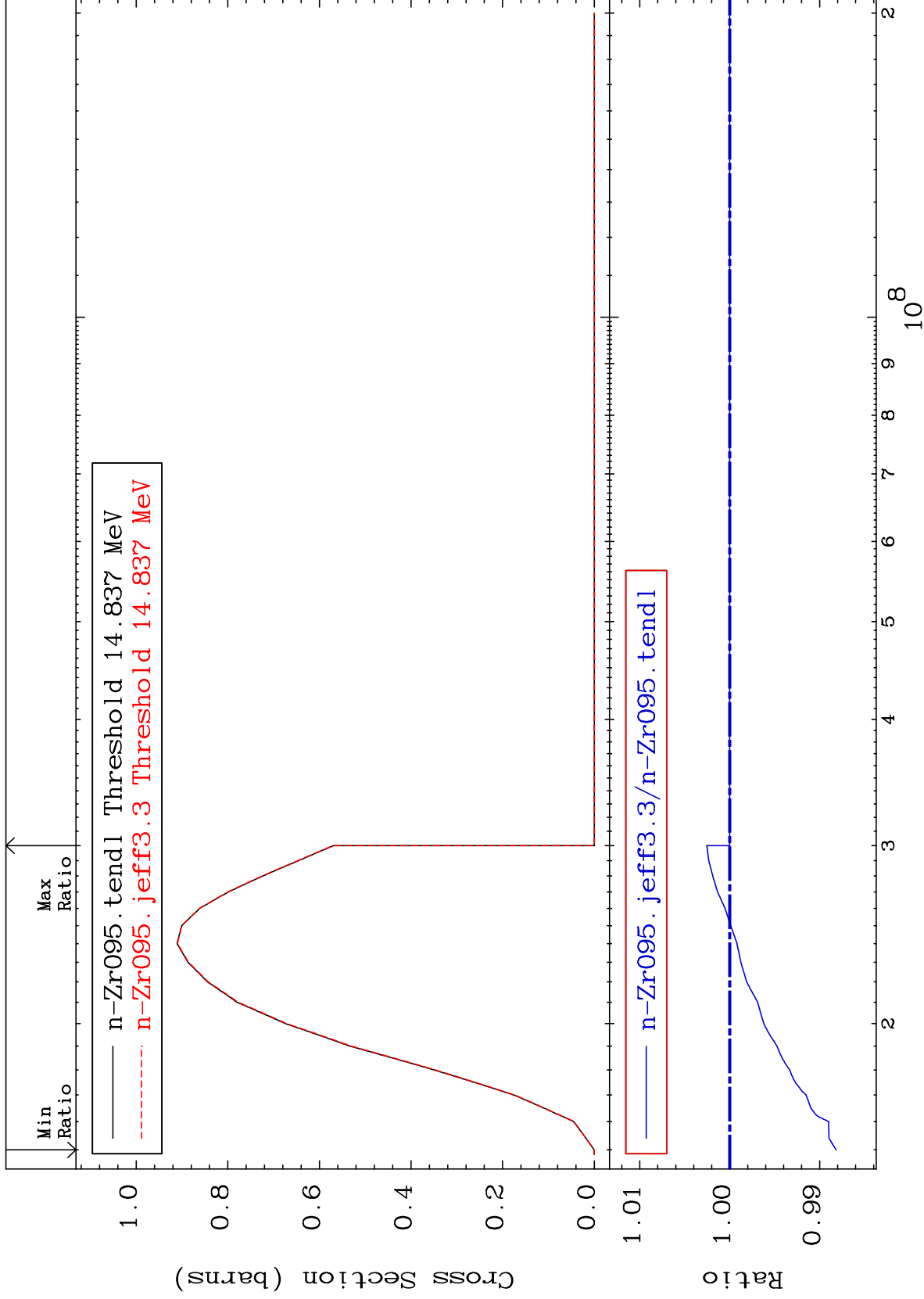
MAT 4040

(n,3n)

40-Zr-95

Cross Section

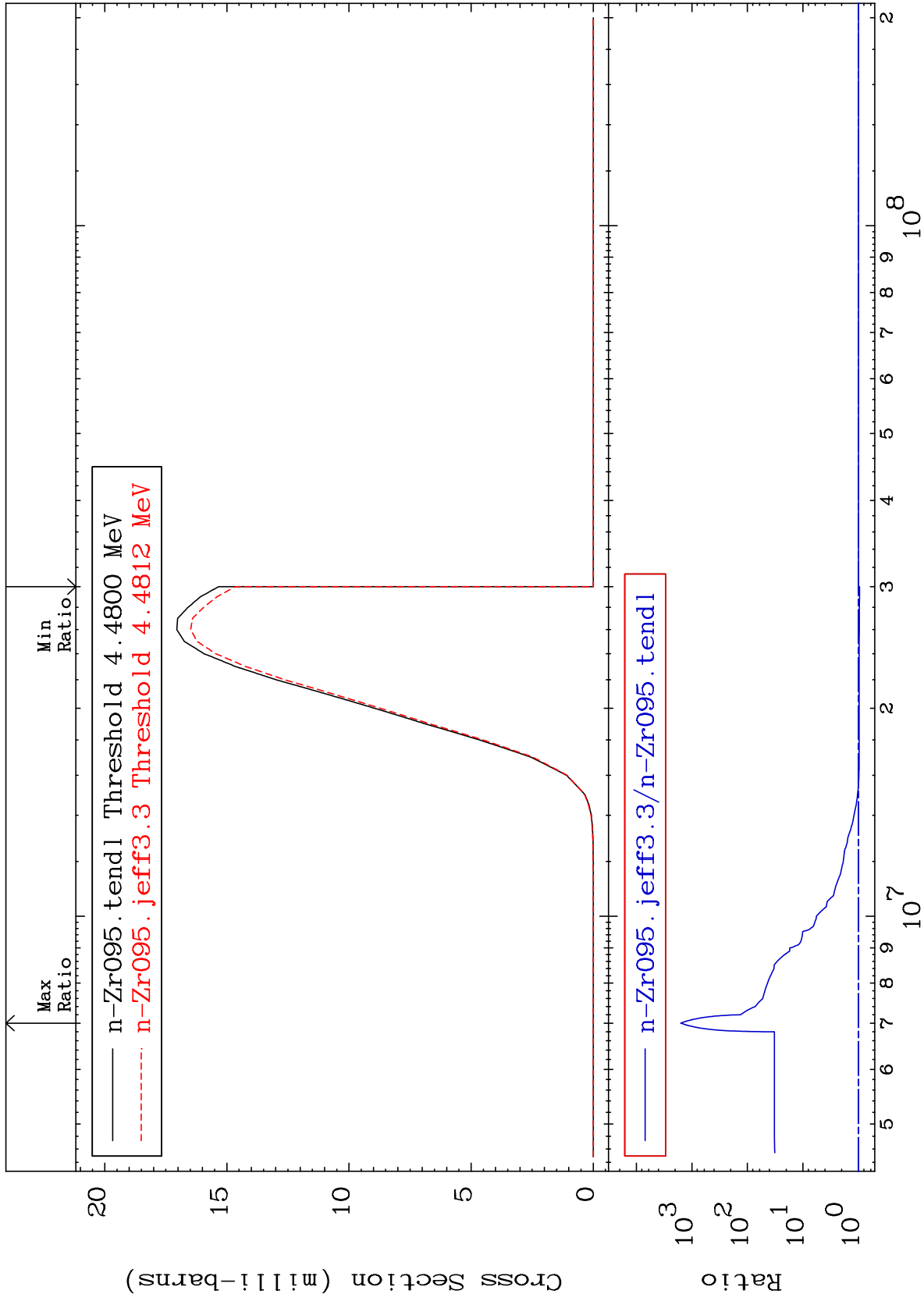
-1.183 To 0.254 %



MAT 4040

(n, n') α
Cross Section

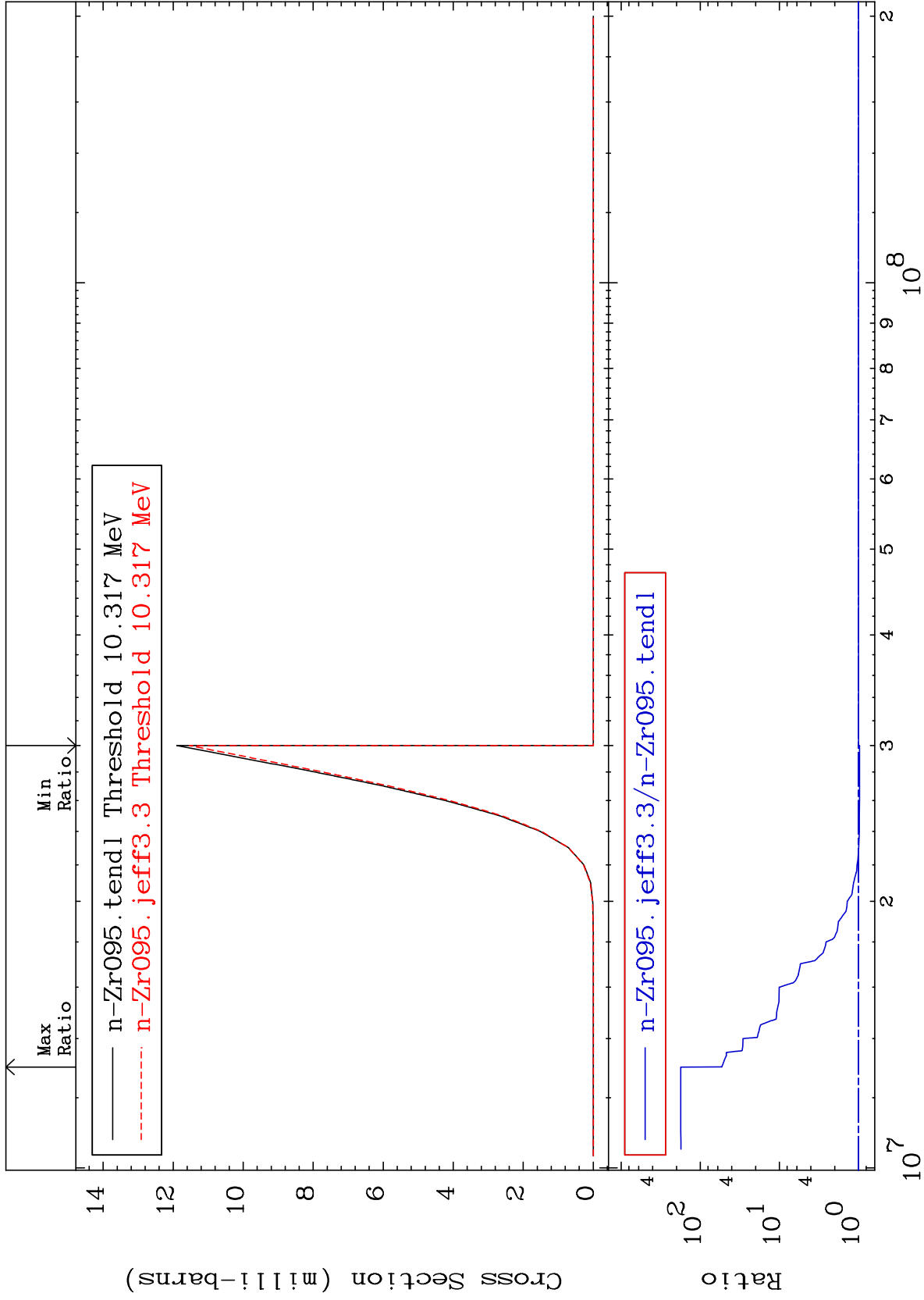
40-Zr-95
-4.485 To 9999. %



MAT 4040

(n,2n) α
Cross Section

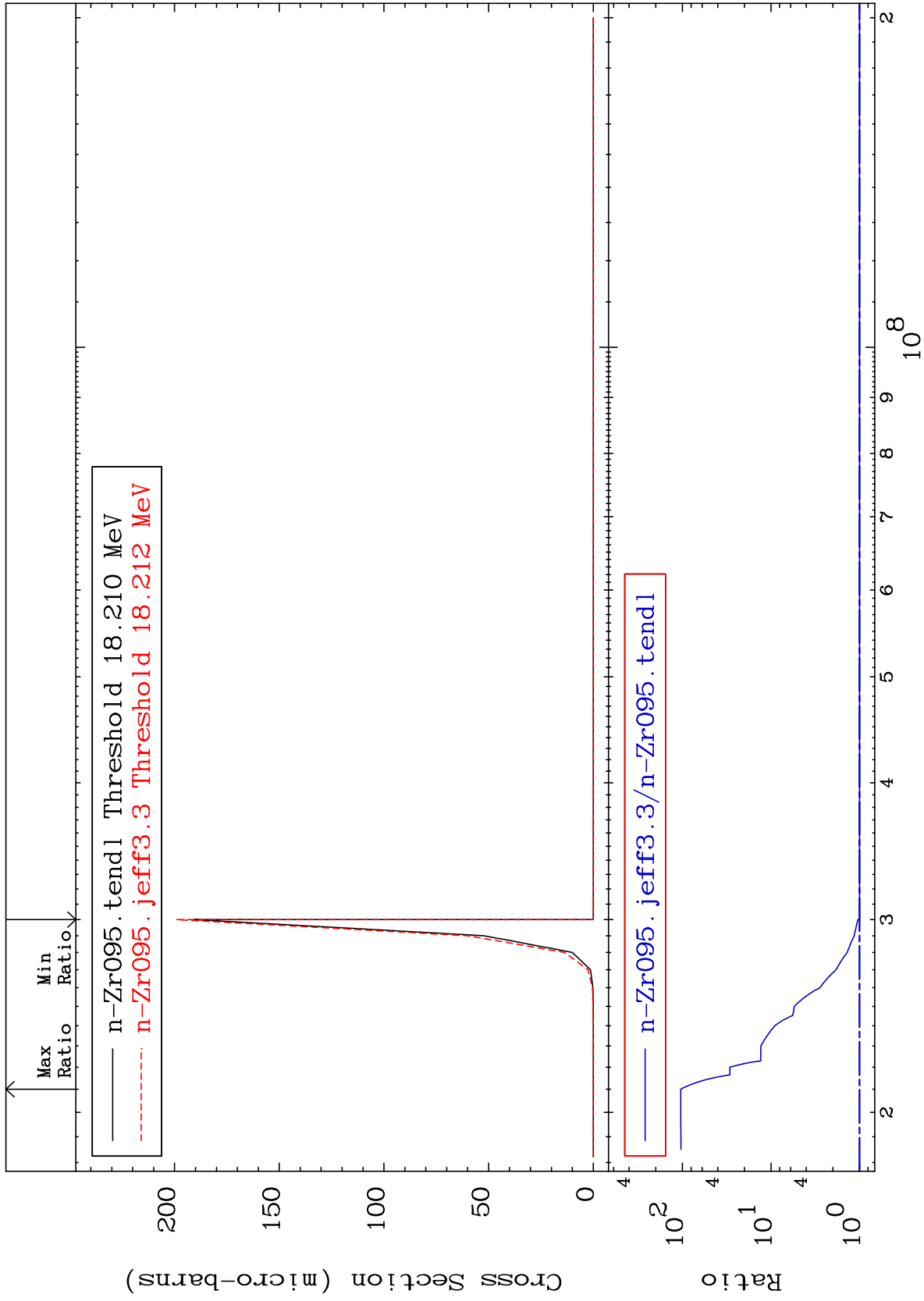
40-Zr-95
-3.001 To 9999. %



MAT 4040

(n,3n) α
Cross Section

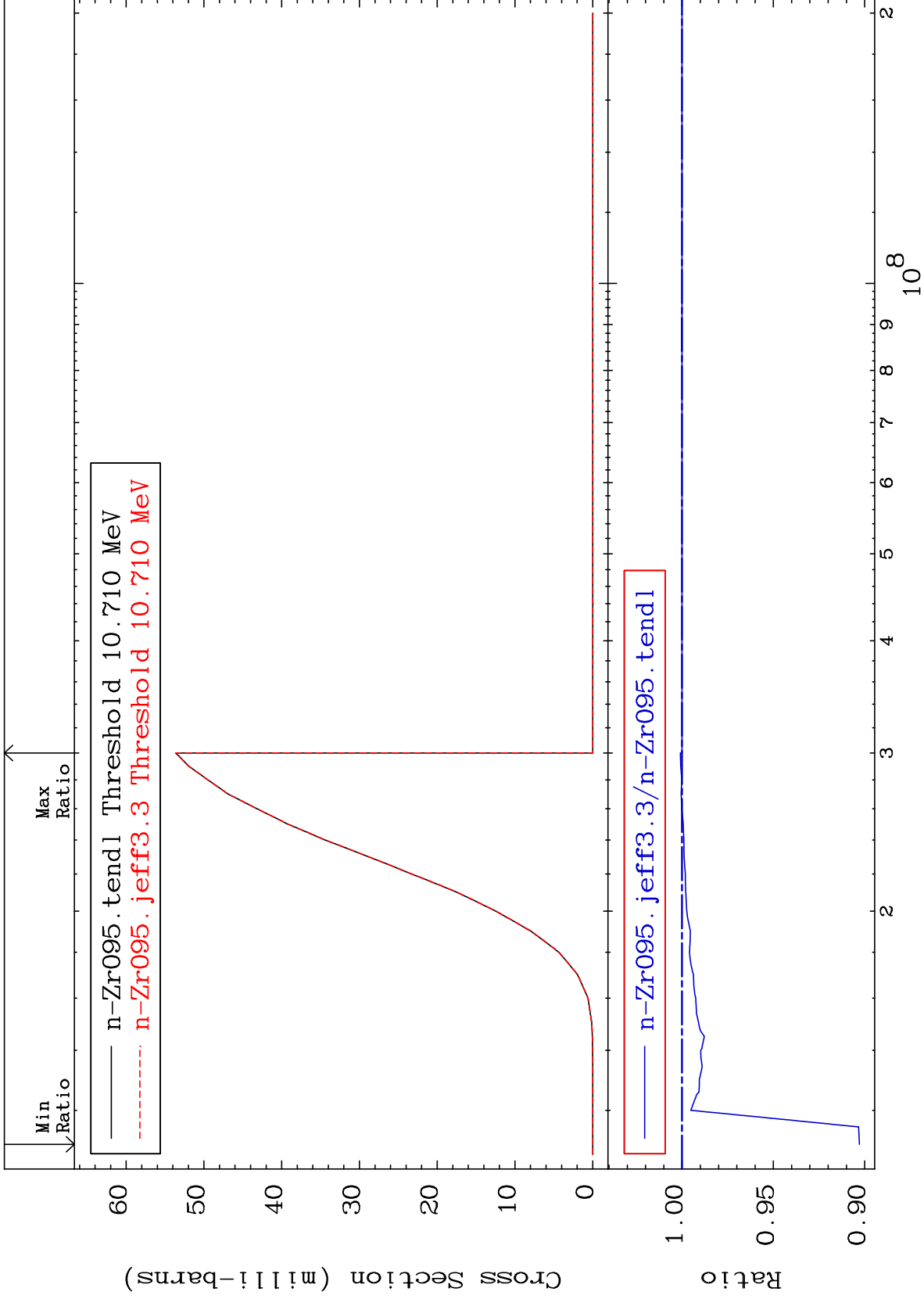
40-Zr-95
To 9999. %
0.000



MAT 4040

(n,n') p
Cross Section

40-Zr-95
-9.712 To 0.093 %



10

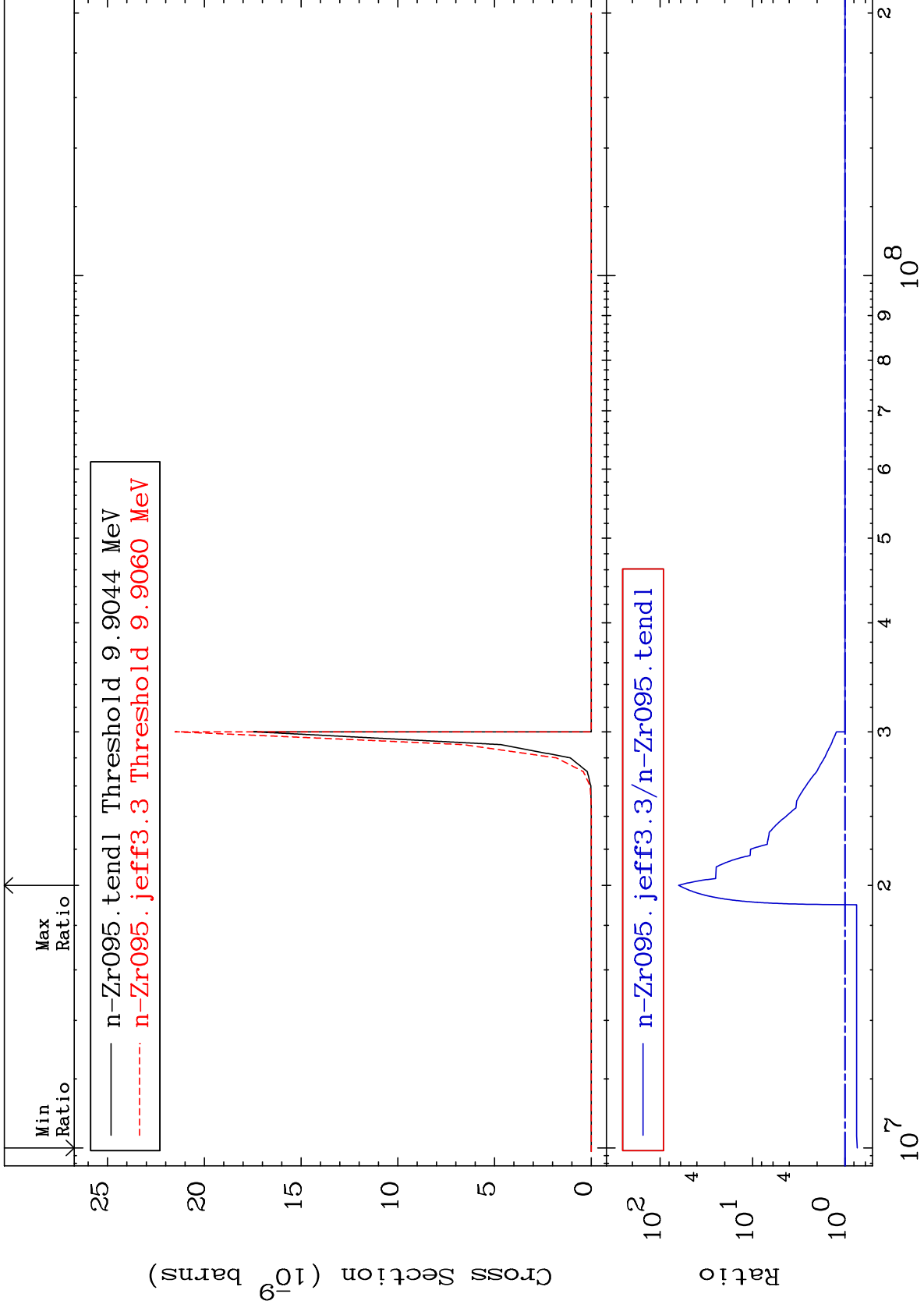
Incident Energy (eV)

40-Zr-95

MAT 4040

(n, n') 2α
Cross Section

40-Zr-95
-26.46 To 6210. %



11

40-Zr-95

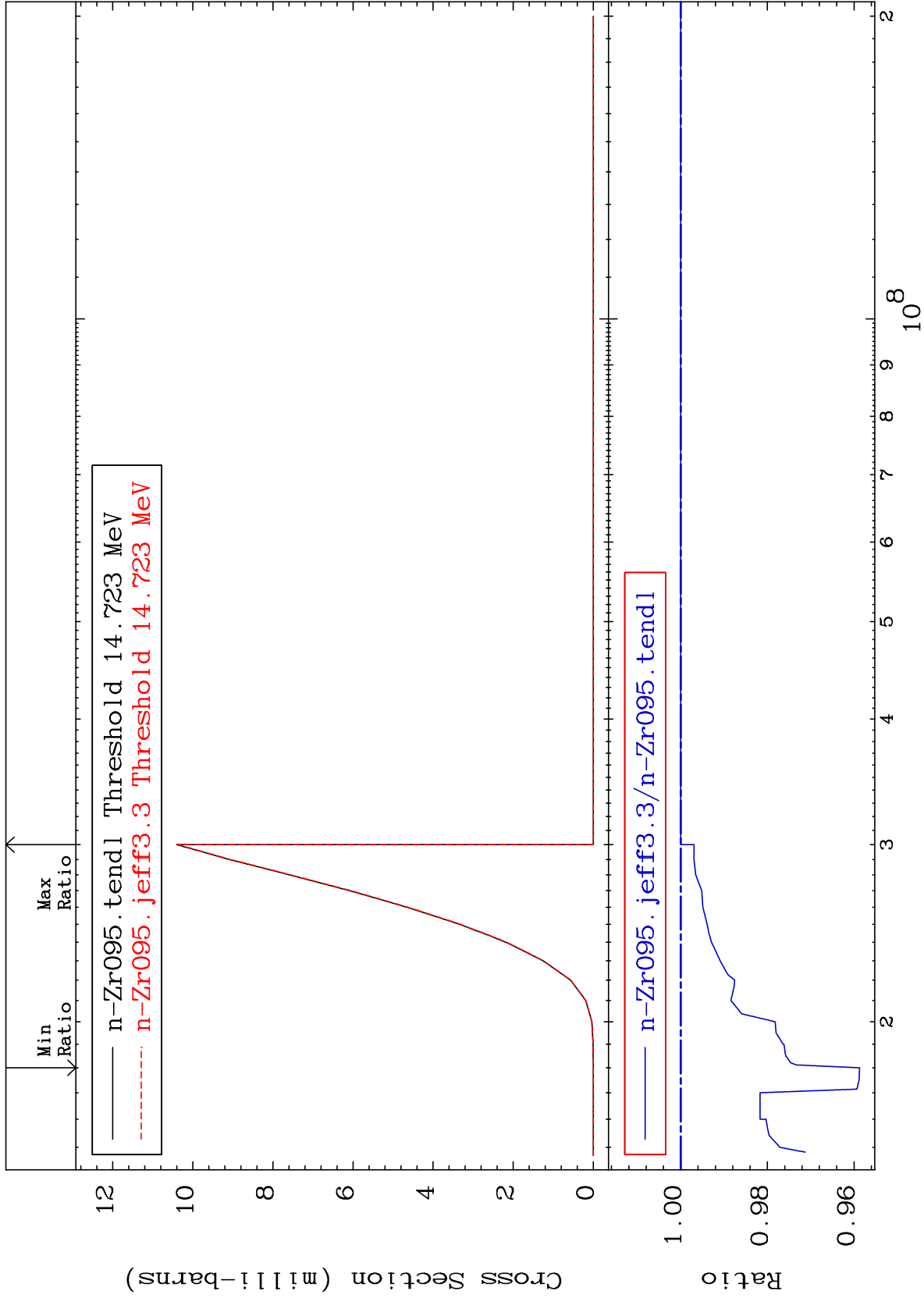
MAT 4040

(n,n') d

40-Zr-95

Cross Section

-4.127 To 0.000 %



12

Incident Energy (eV)

40-Zr-95

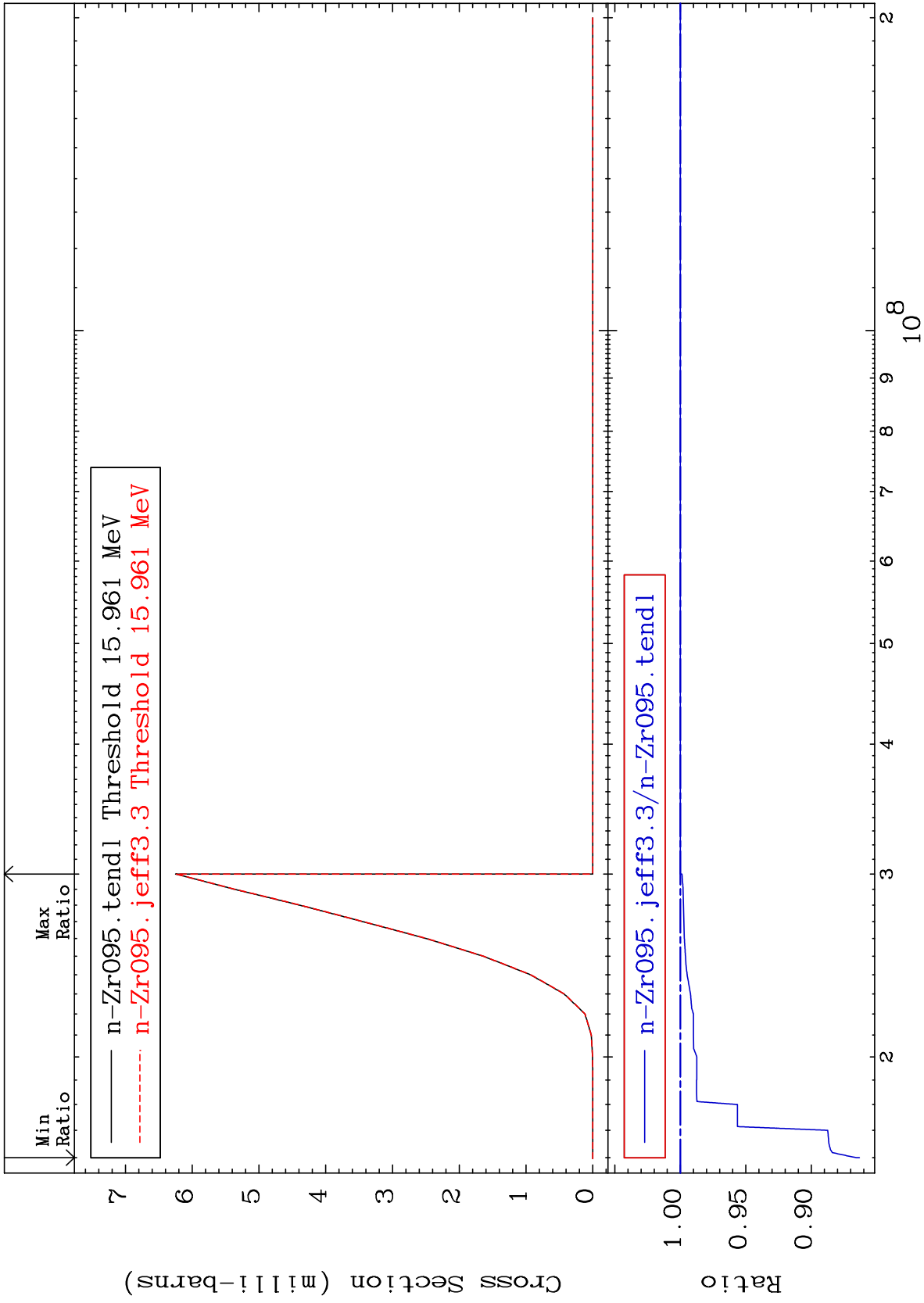
MAT 4040

(n,n') t

40-Zr-95

Cross Section

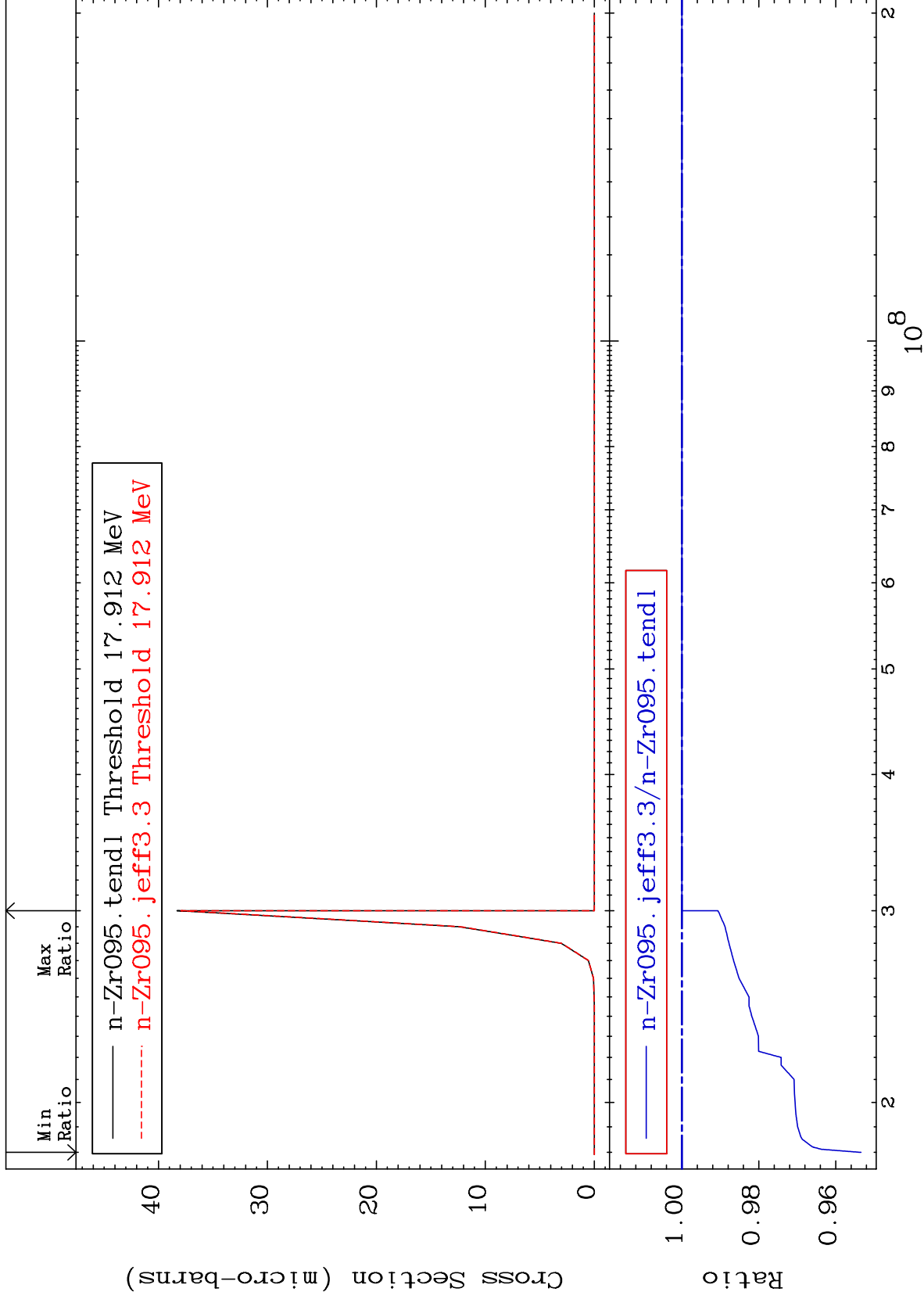
-13.67 To 0.000 %



MAT 4040

(n, n') He-3
Cross Section

40-Zr-95
-4.657 To 0.000 %



14

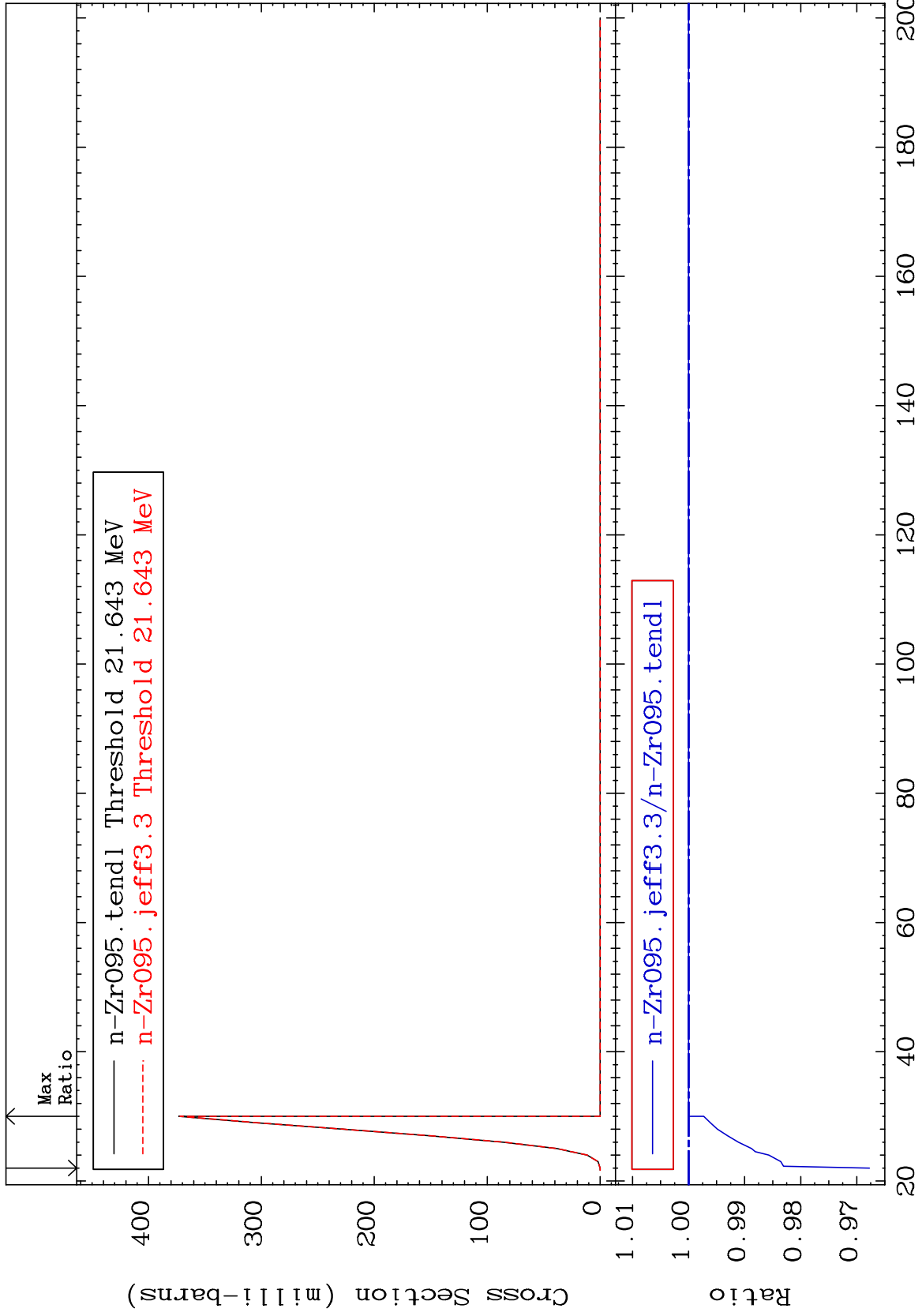
40-Zr-95

40-Zr-95

MAT 4040

(n,4n)
Cross Section

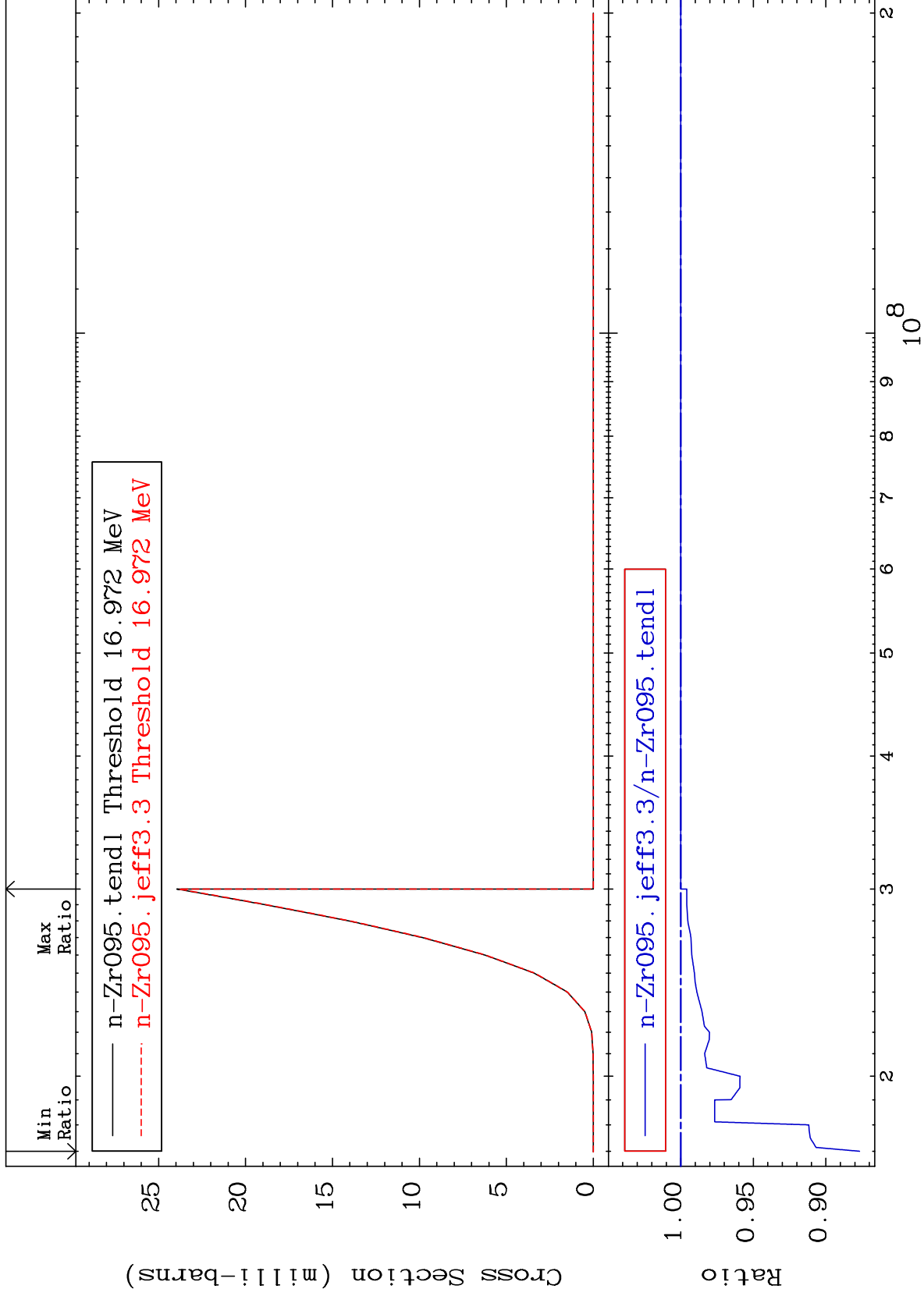
40-Zr-95
-3.226 To 0.000 %



MAT 4040

(n,2n) p
Cross Section

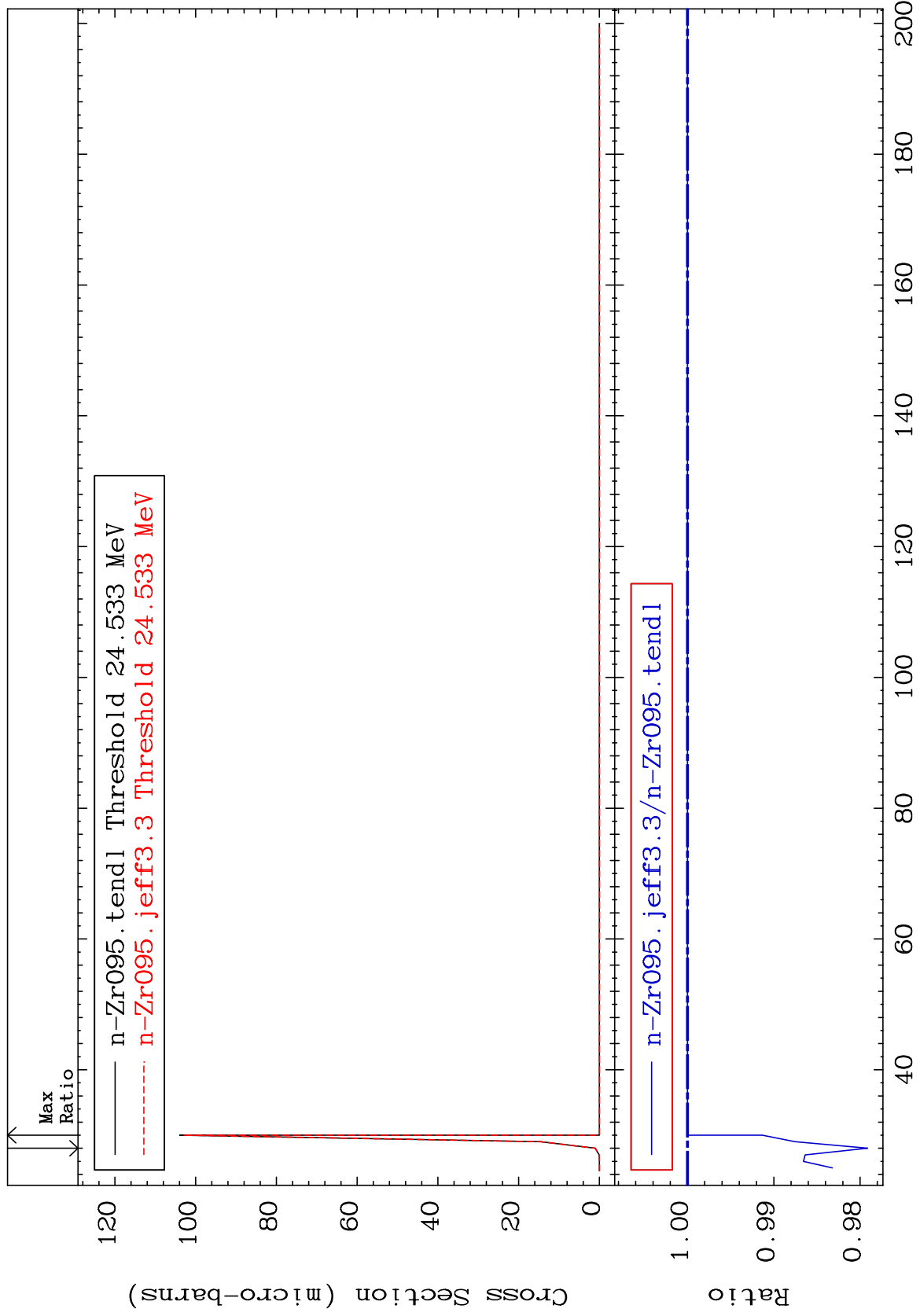
40-Zr-95
-12.32 To 0.000 %



MAT 4040

(n,3n) p
Cross Section

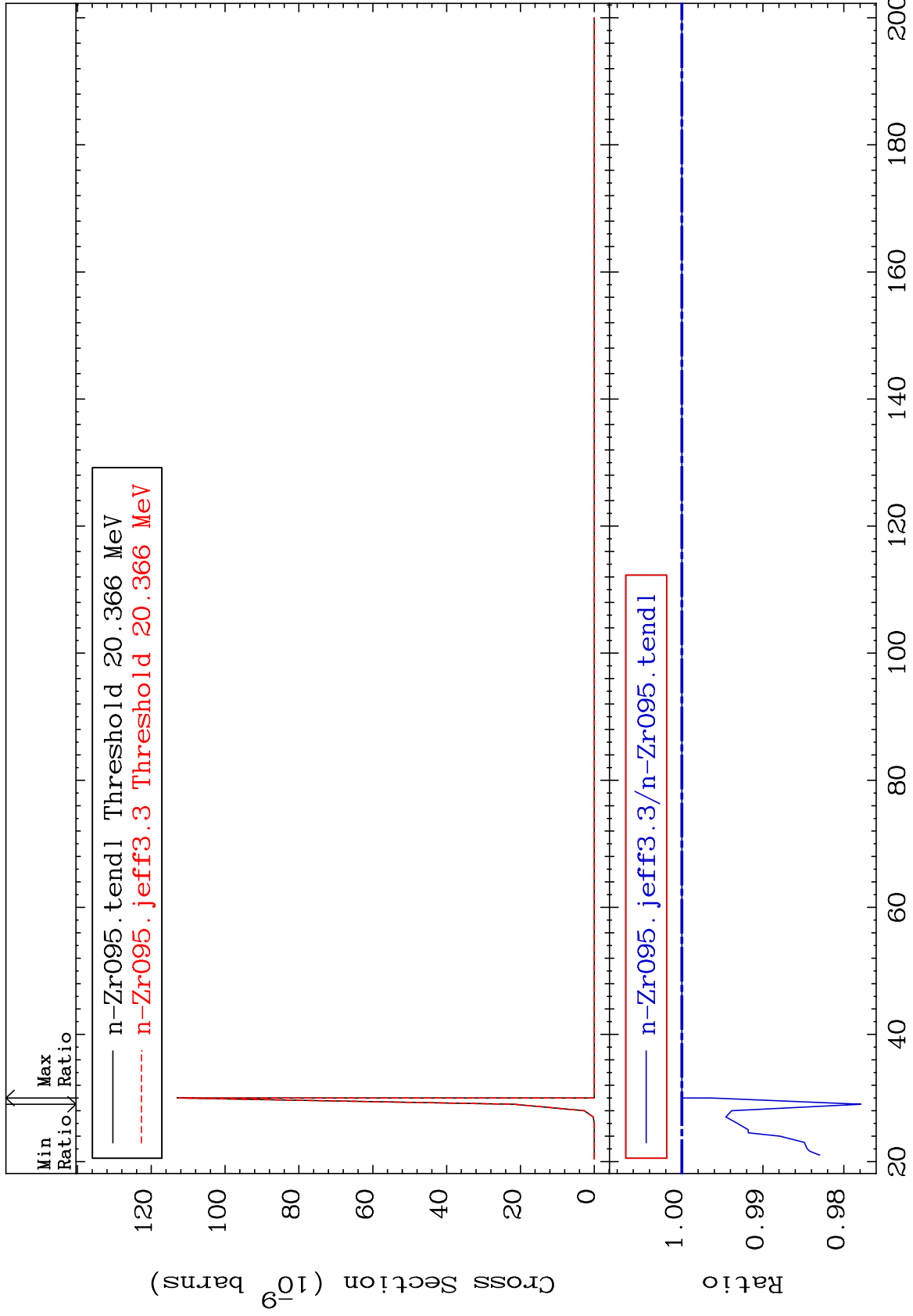
40-Zr-95
-2.088 To 0.000 %



MAT 4040

(n,2n) p
Cross Section

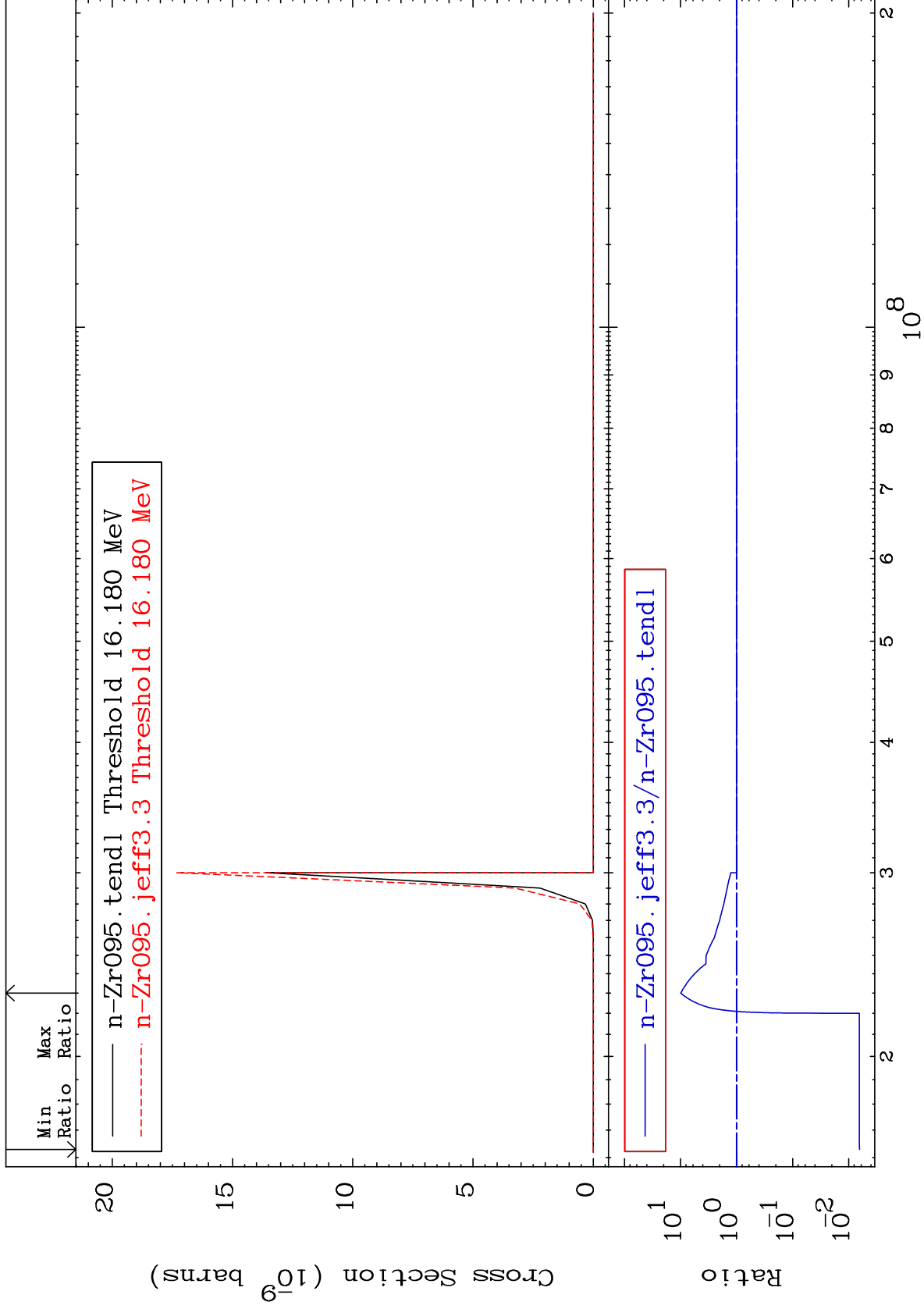
40-Zr-95
-2.211 To 0.000 %



MAT 4040

(n,n') p α
Cross Section

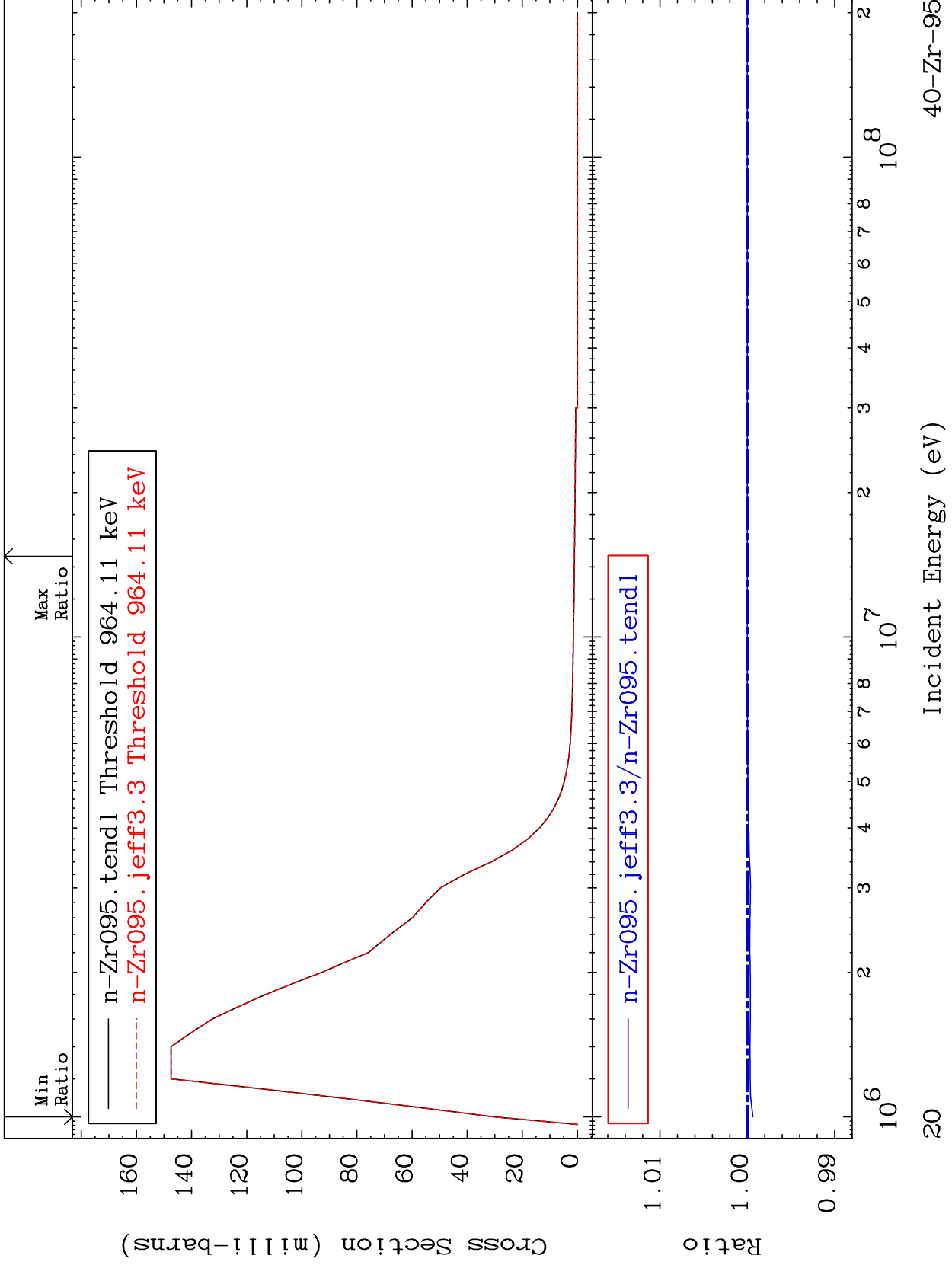
40-Zr-95
-99.36 To 890.2 %



MAT 4040

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

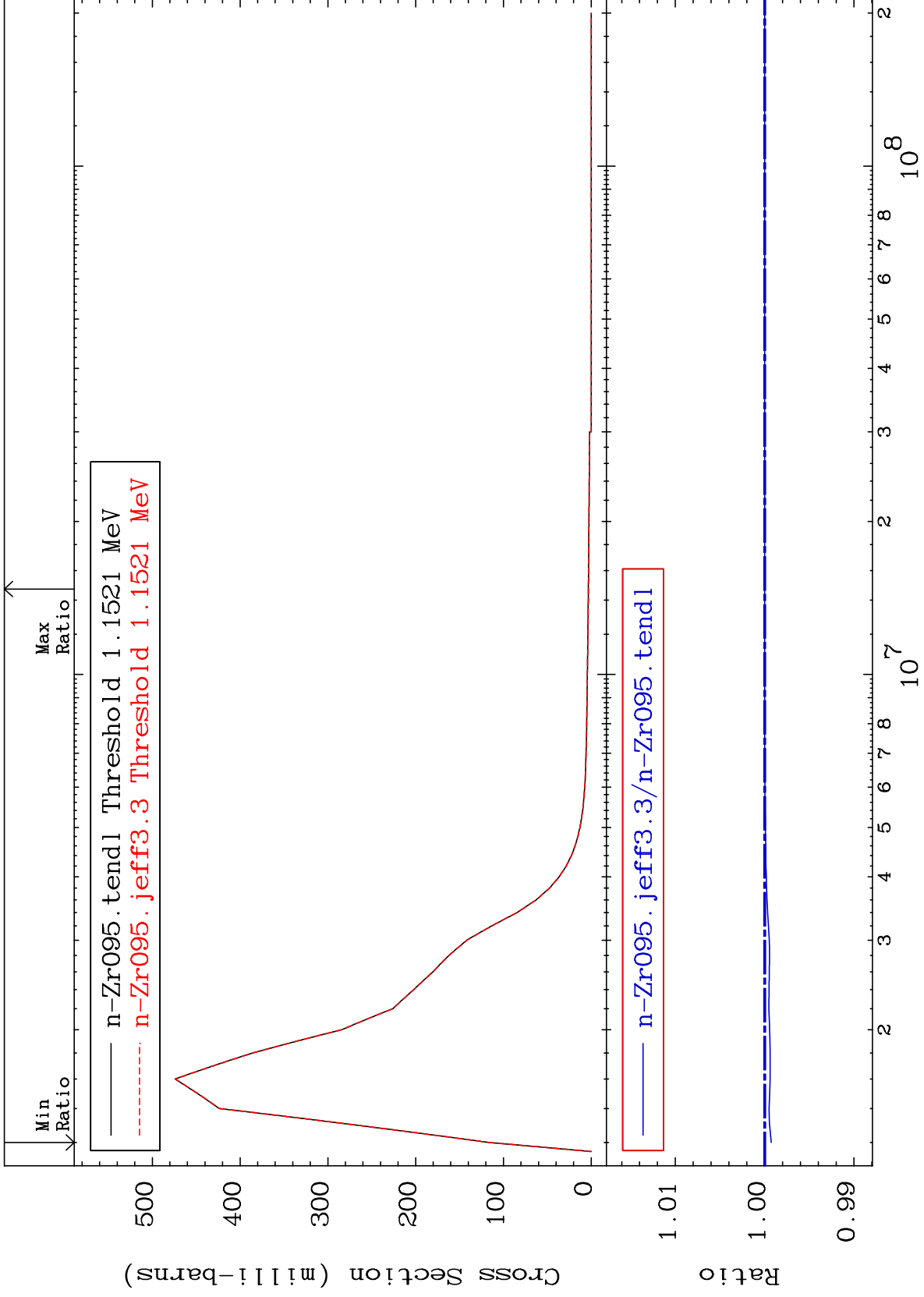
40-Zr-95
-0.063 To 0.000 %



MAT 4040

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

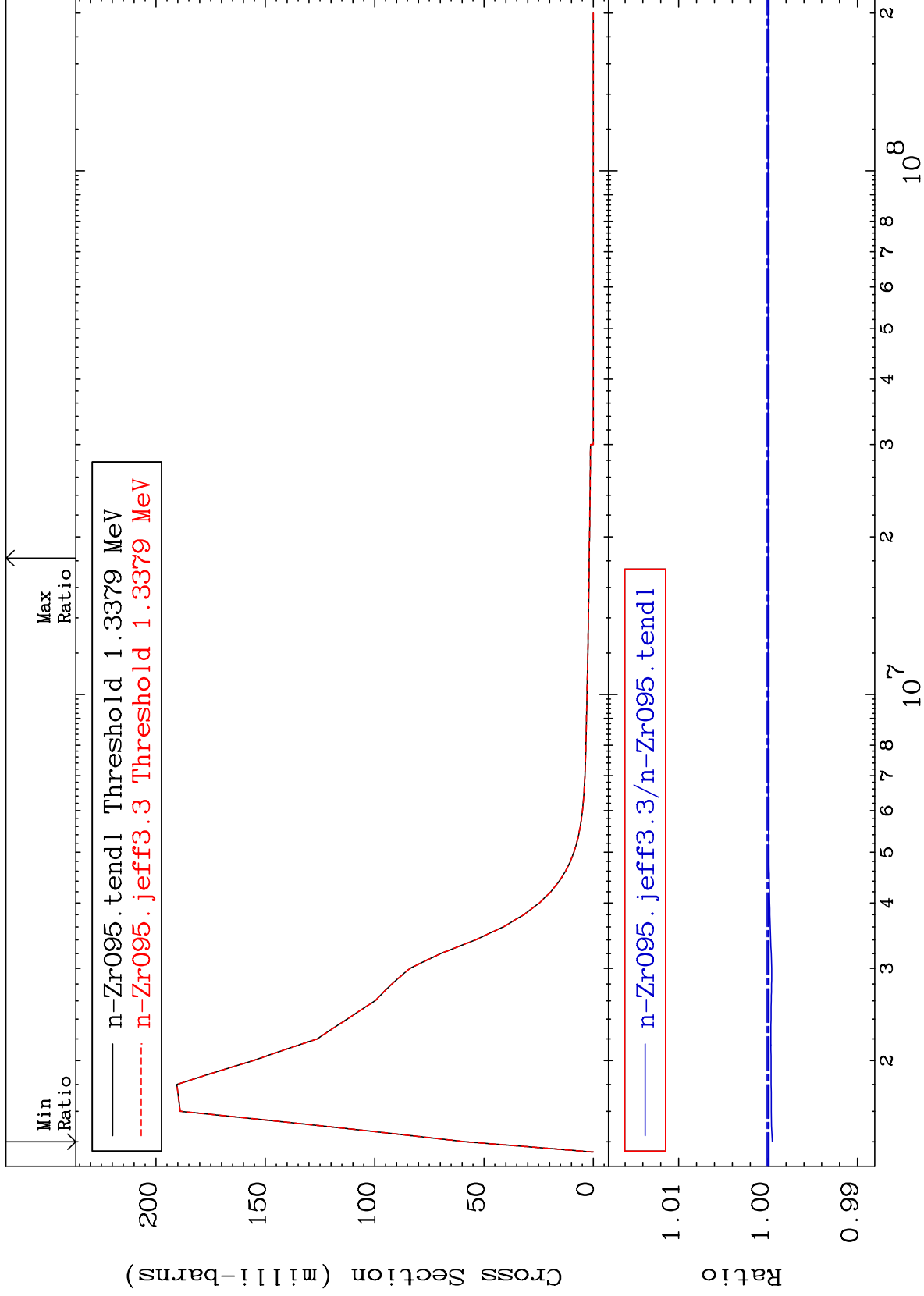
40-Zr-95
-0.073 To 0.000 %



MAT 4040

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

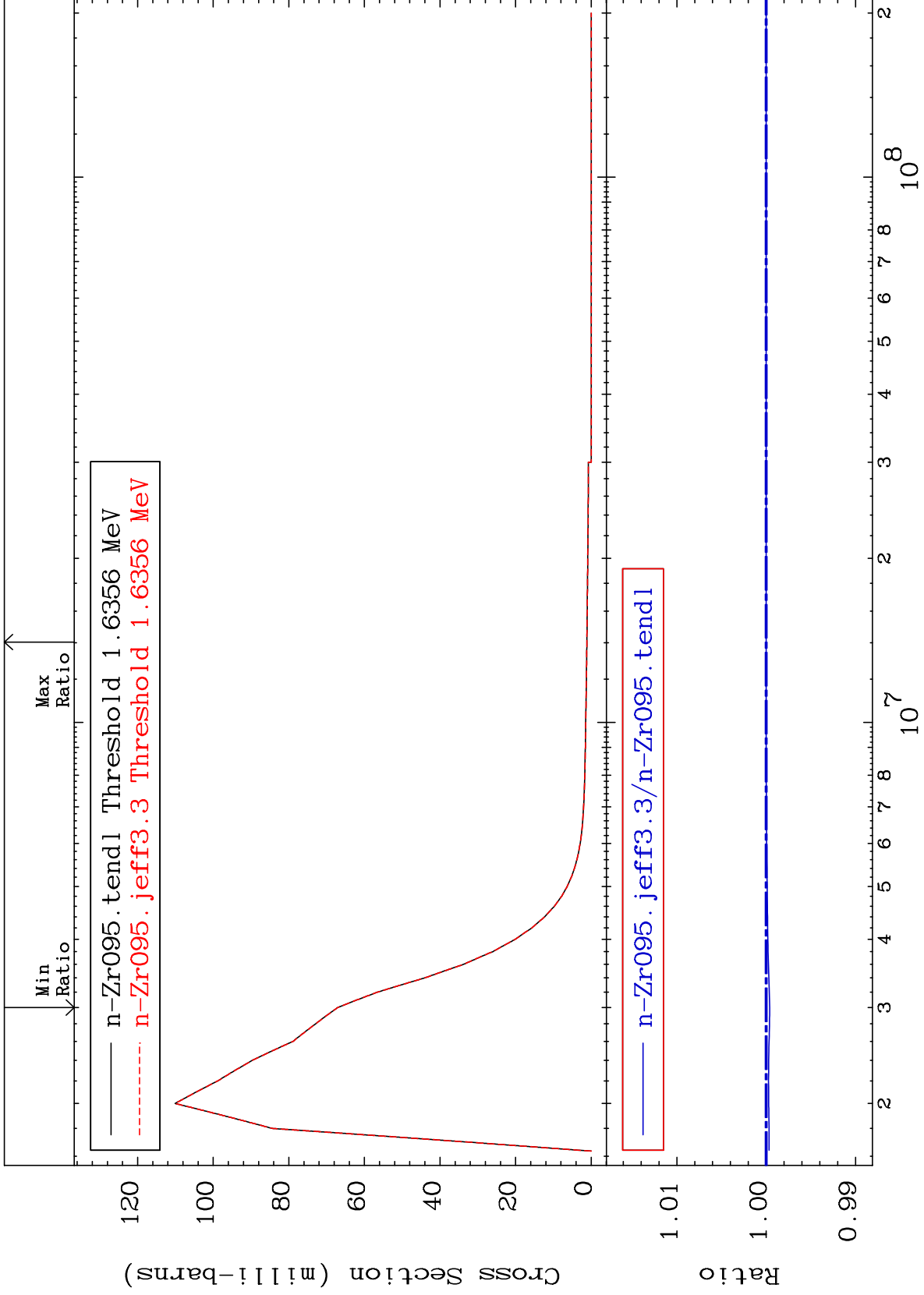
40-Zr-95
-0.046 To 0.000 %



MAT 4040

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

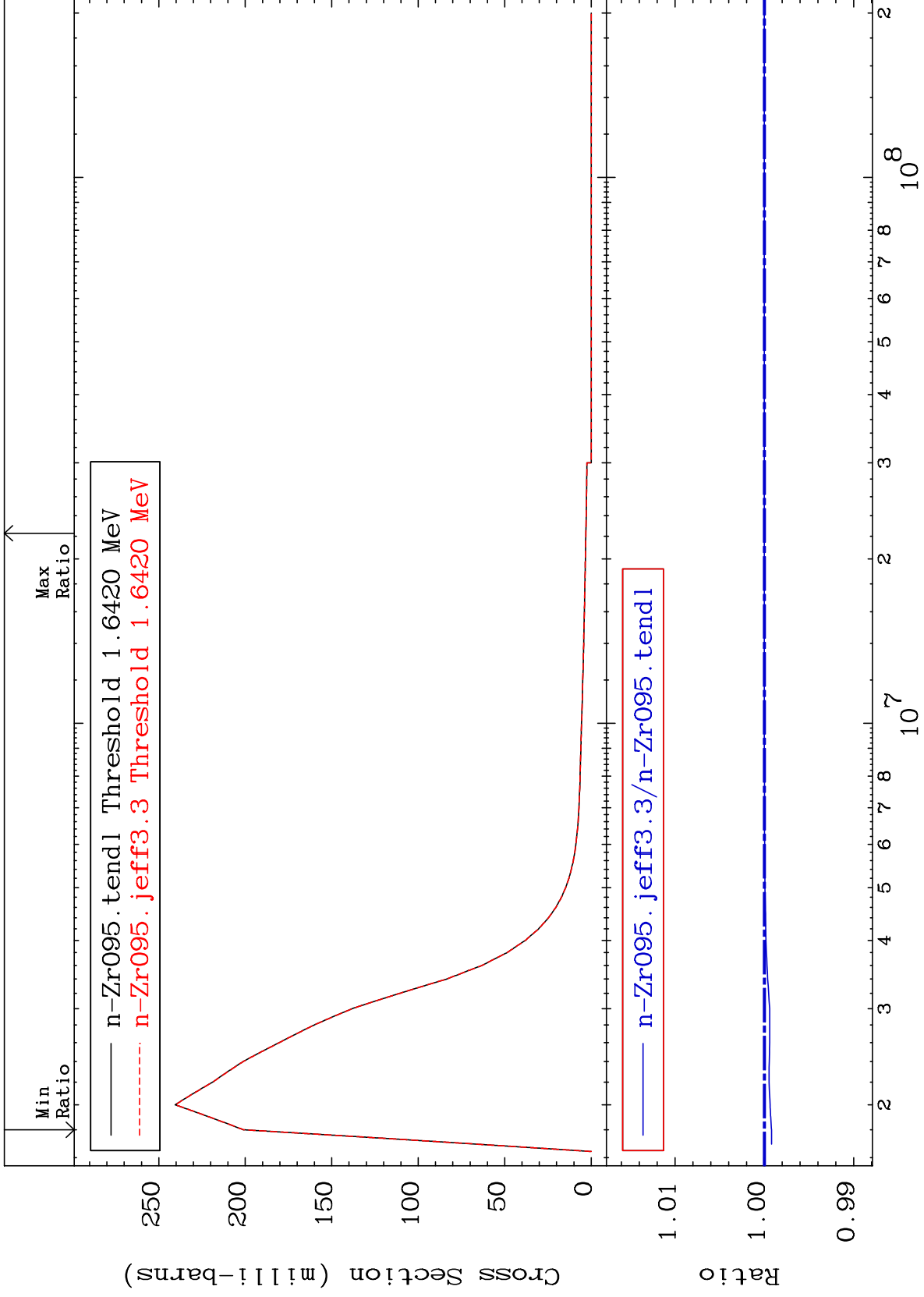
40-Zr-95
-0.040 To 0.000 %



MAT 4040

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

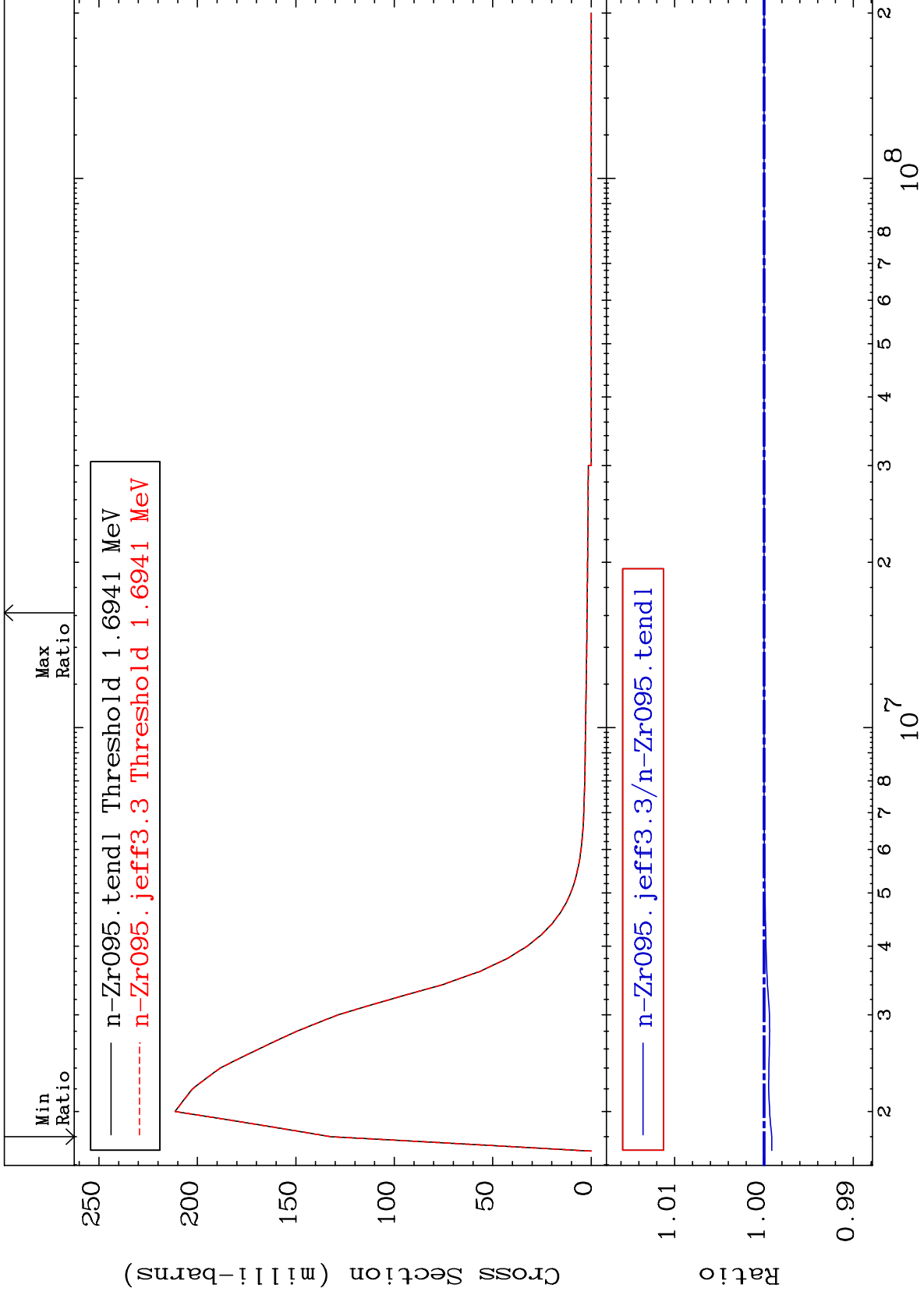
40-Zr-95
-0.080 To 0.000 %



MAT 4040

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

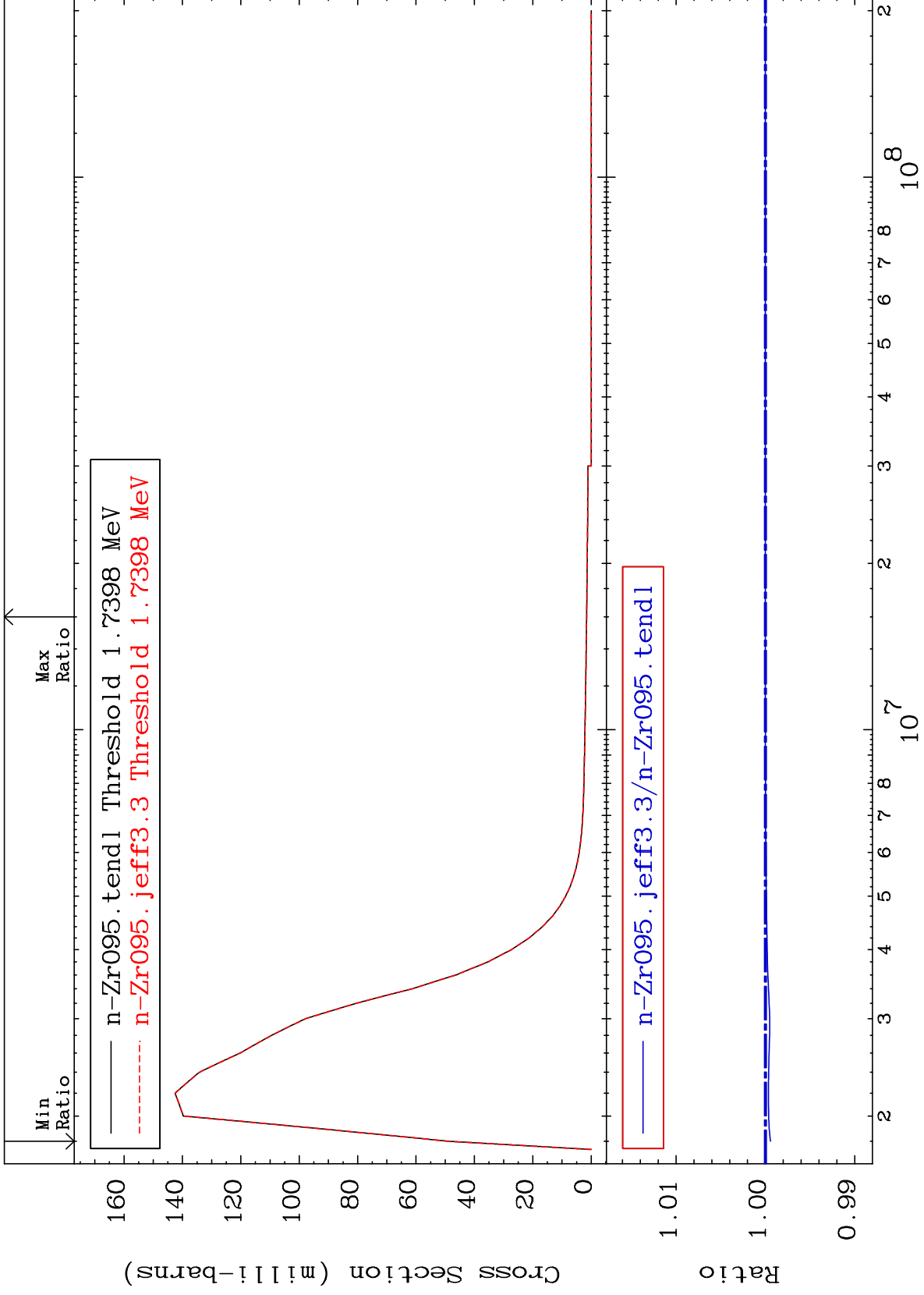
40-Zr-95
-0.088 To 0.000 %



MAT 4040

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

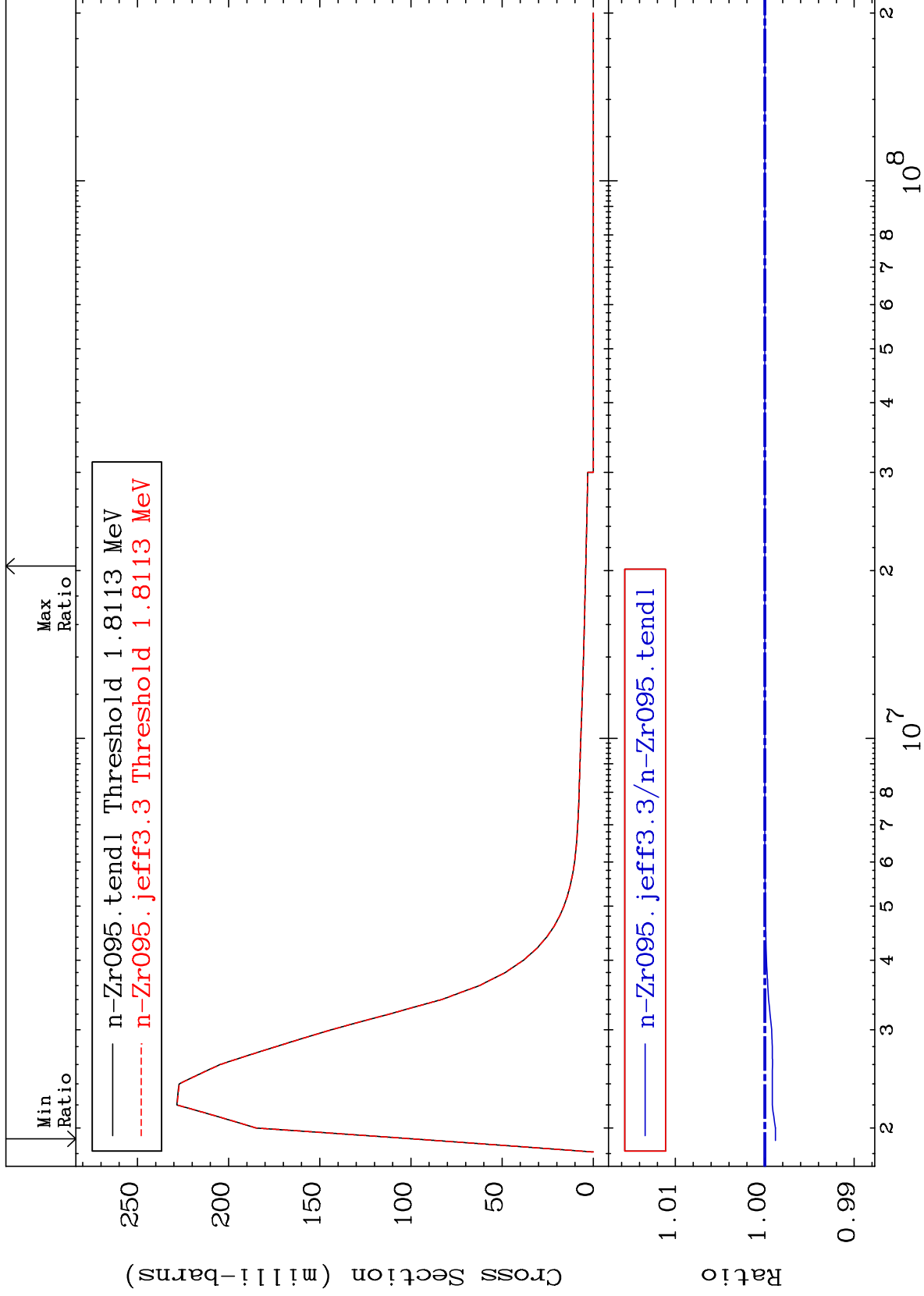
40-Zr-95
-0.057 To 0.000 %



MAT 4040

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

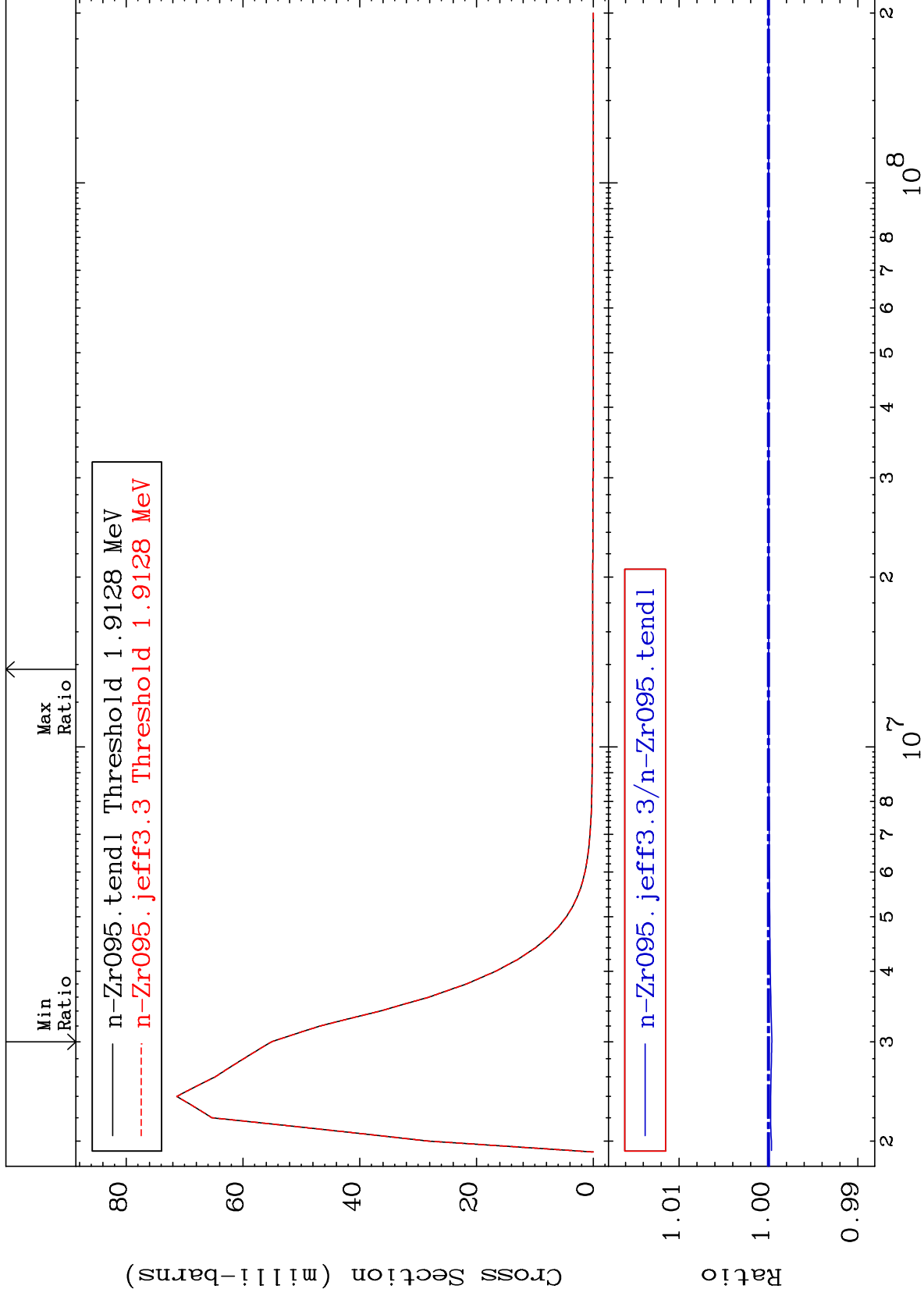
40-Zr-95
-0.120 To 0.000 %



MAT 4040

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

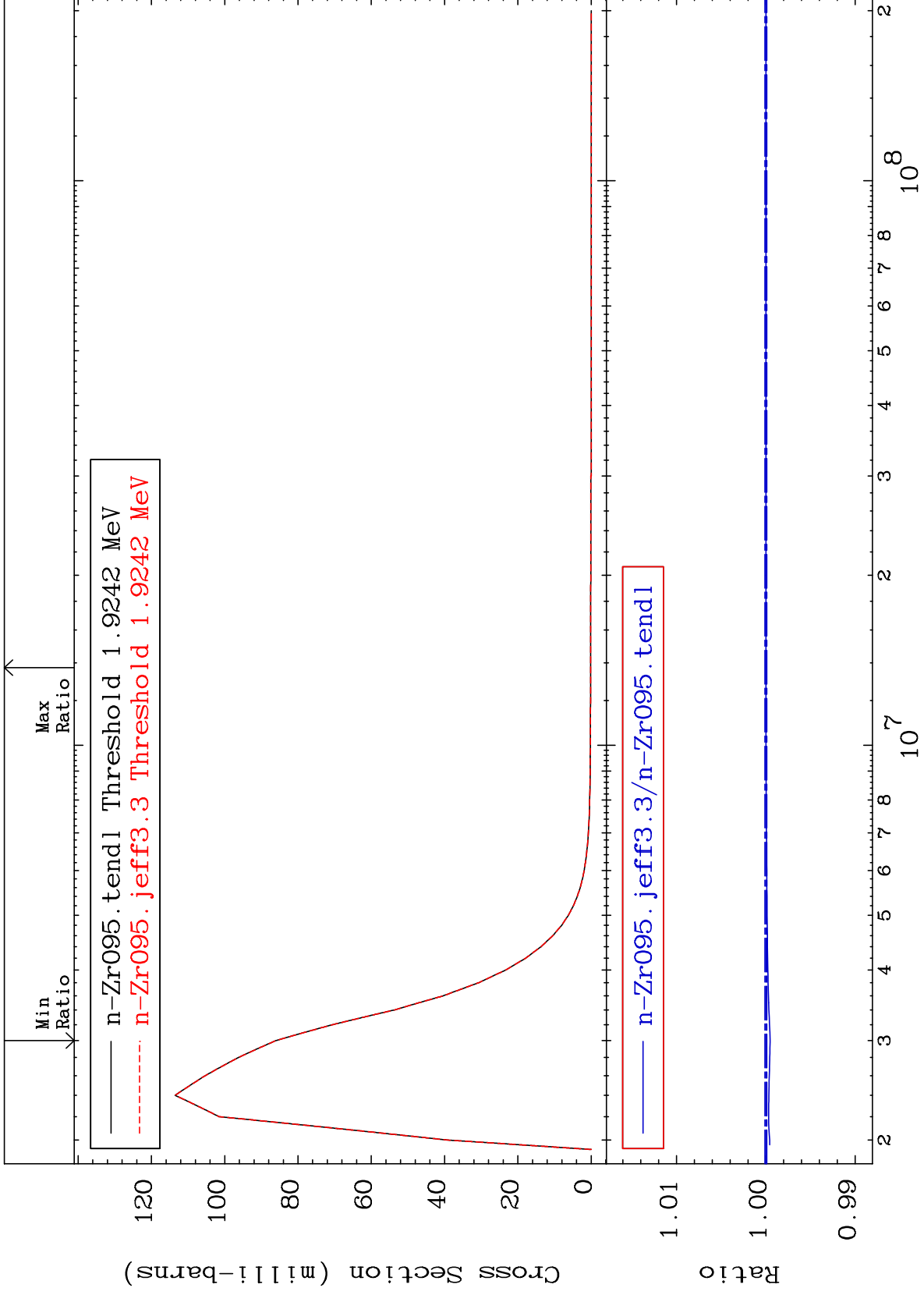
40-Zr-95
-0.037 To 0.000 %



MAT 4040

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

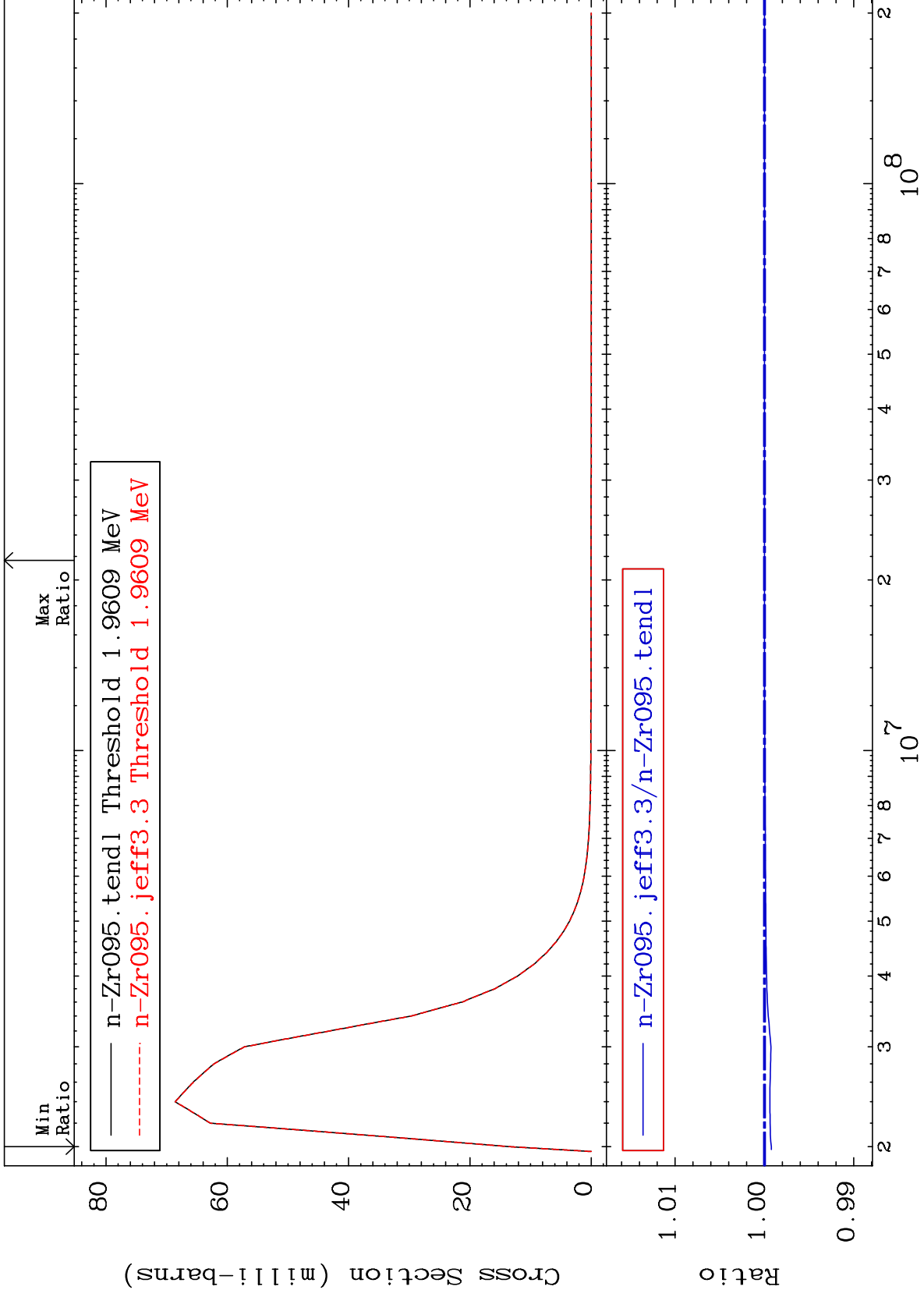
40-Zr-95
-0.0417 To 0.000 %



MAT 4040

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

40-Zr-95
-0.078 To 0.000 %



30

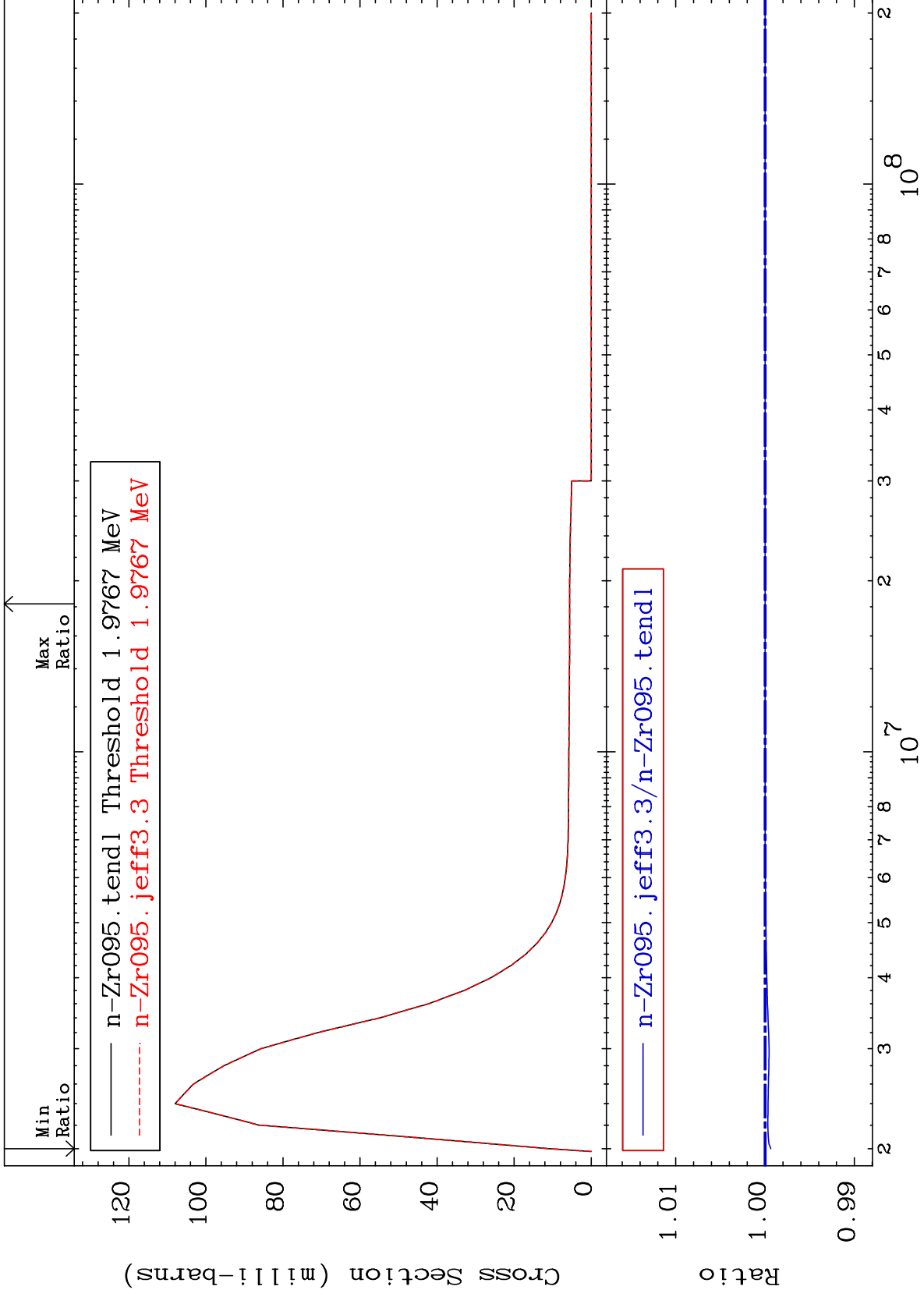
Incident Energy (eV)

40-Zr-95

MAT 4040

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

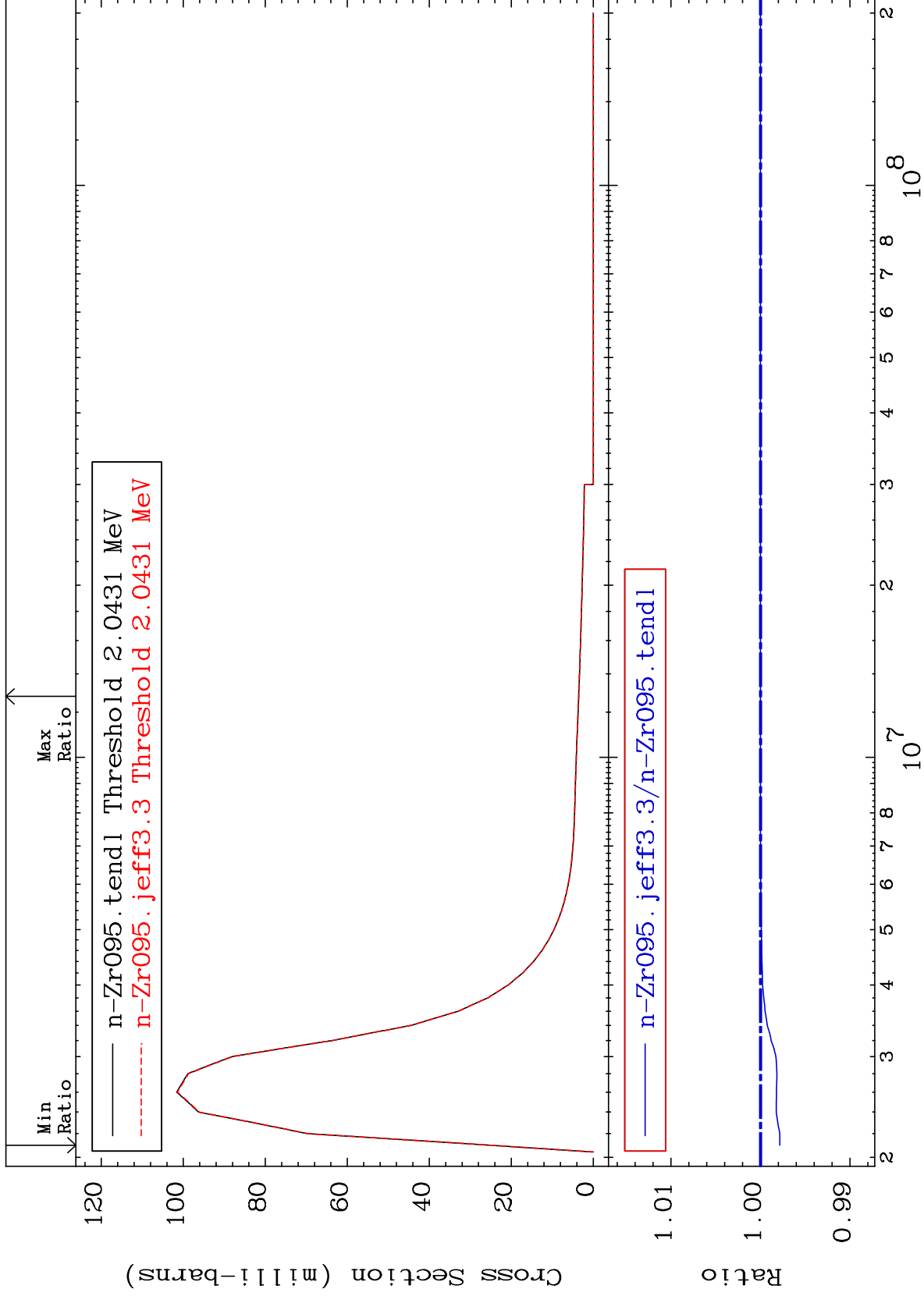
40-Zr-95
-0.064 To 0.000 %



MAT 4040

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

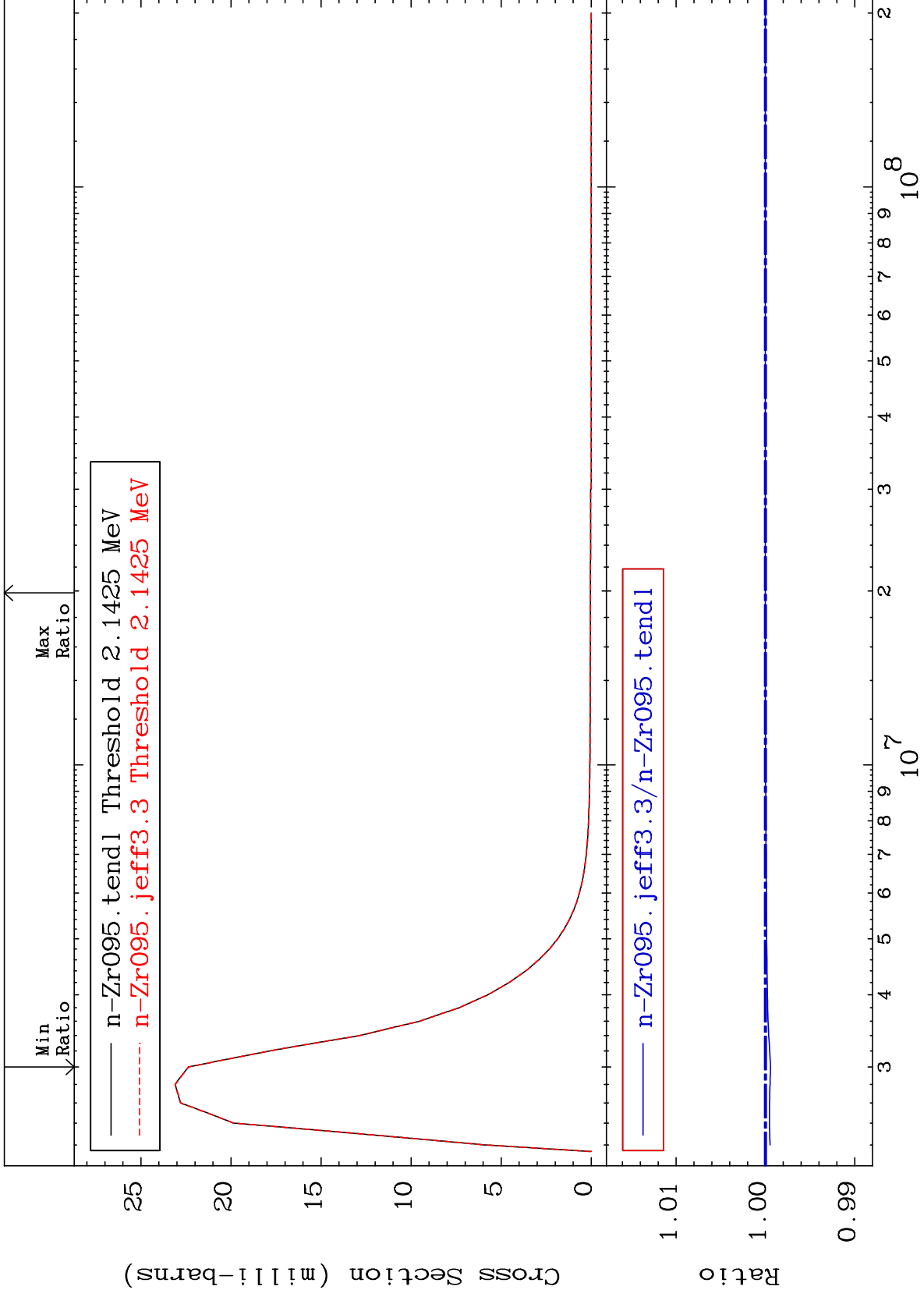
40-Zr-95
-0.216 To 0.000 %



MAT 4040

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

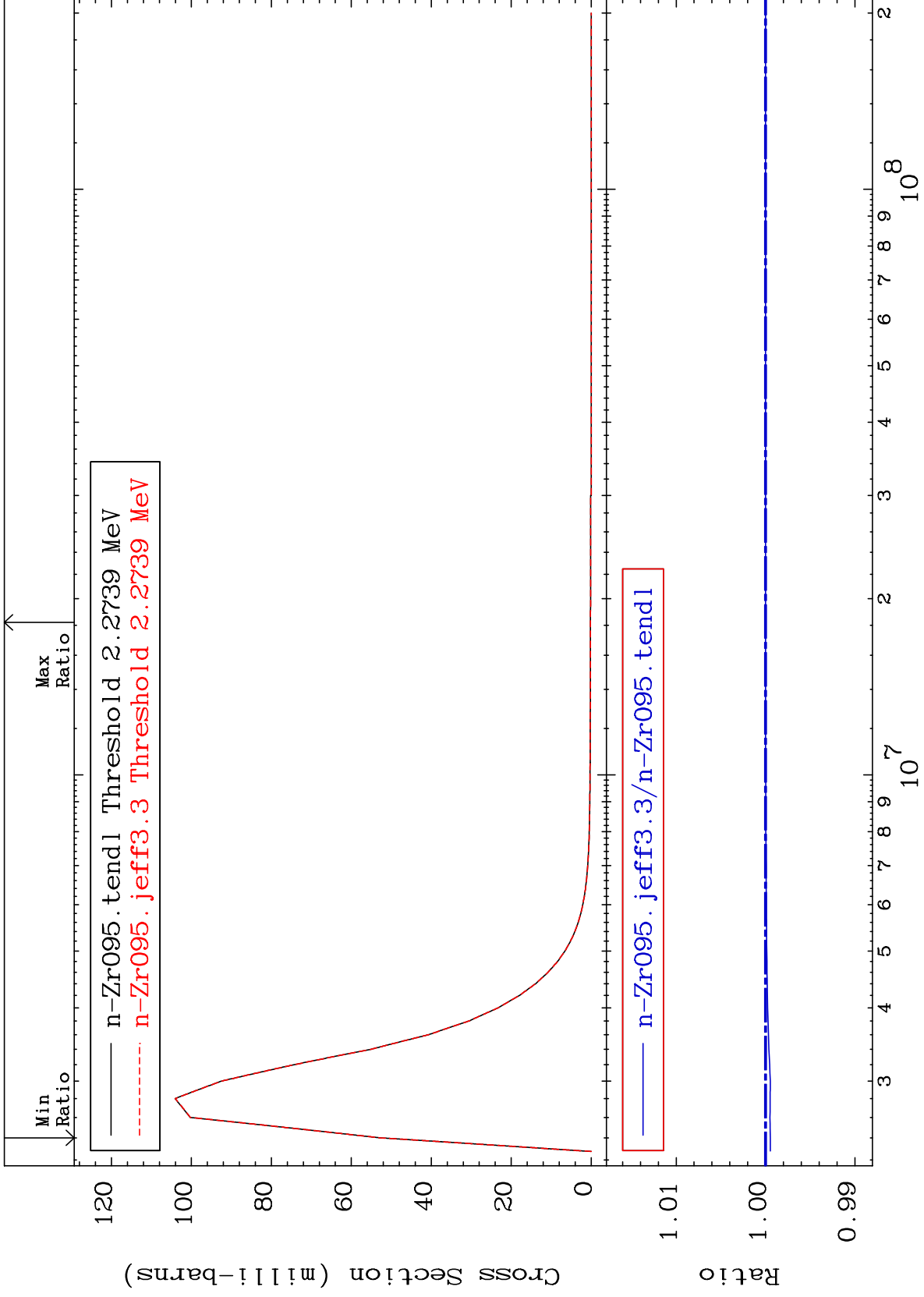
40-Zr-95
-0.057 To 0.000 %



MAT 4040

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

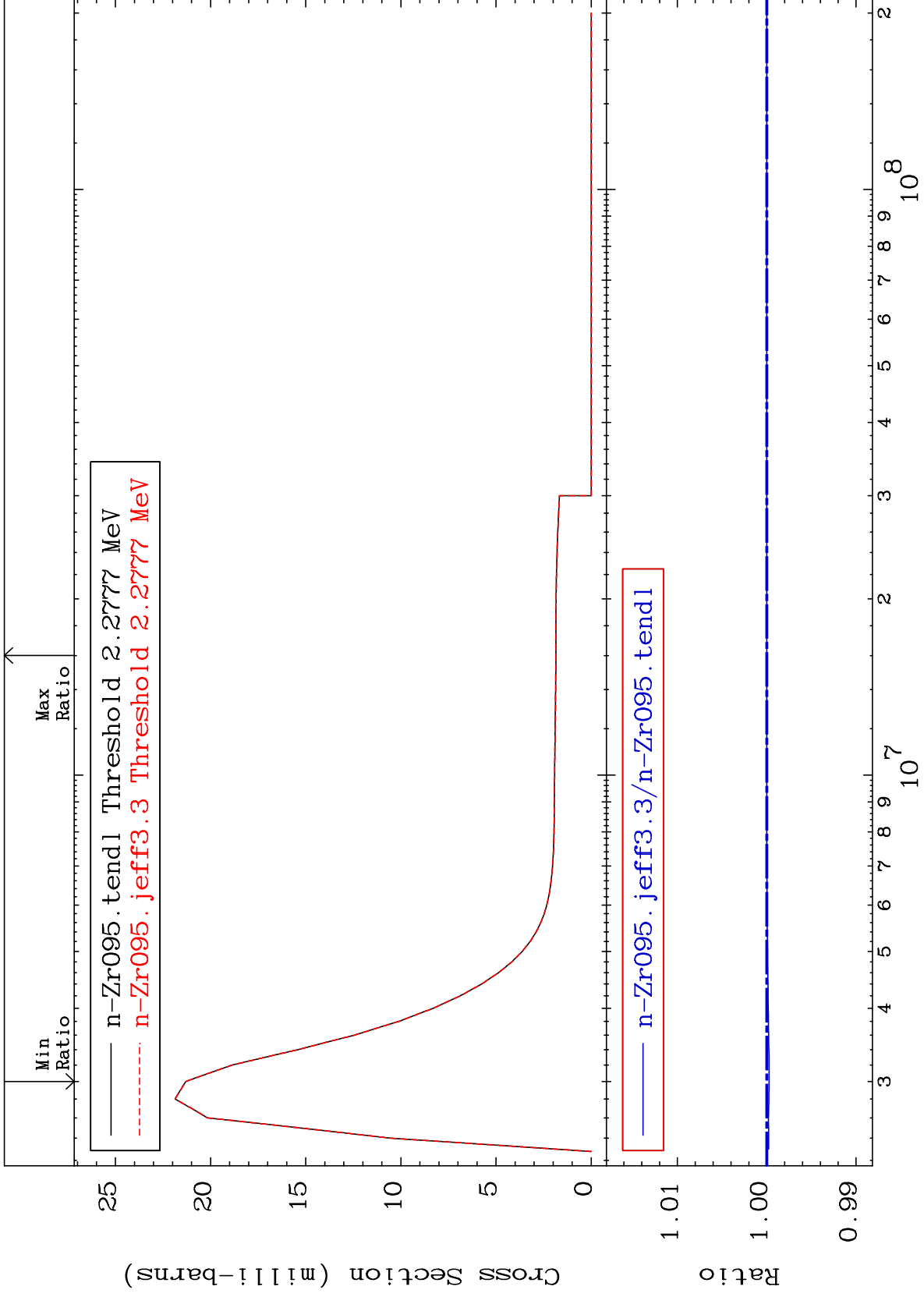
40-Zr-95
-0.054 To 0.000 %



MAT 4040

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

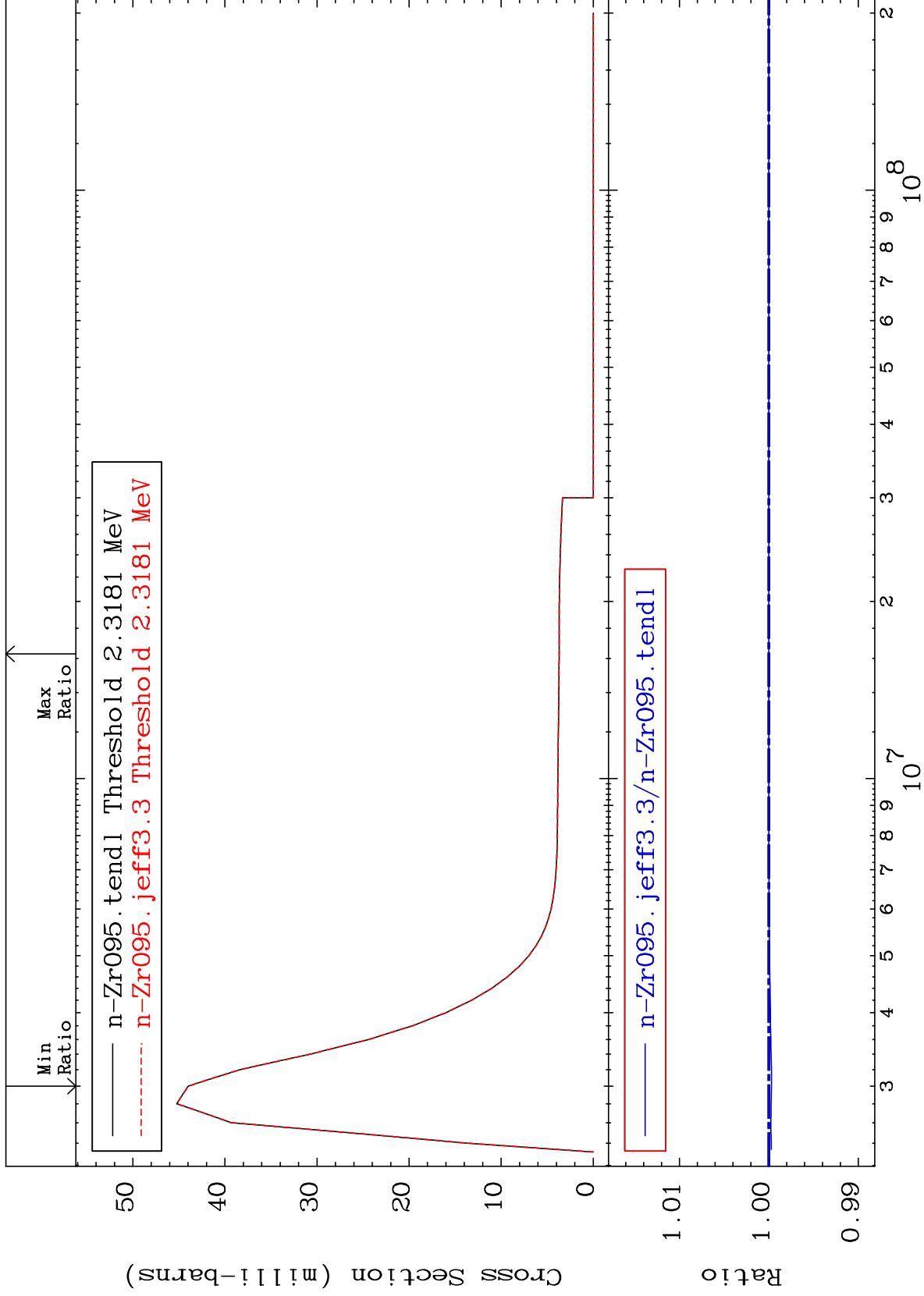
40-Zr-95
-0.027 To 0.000 %



MAT 4040

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

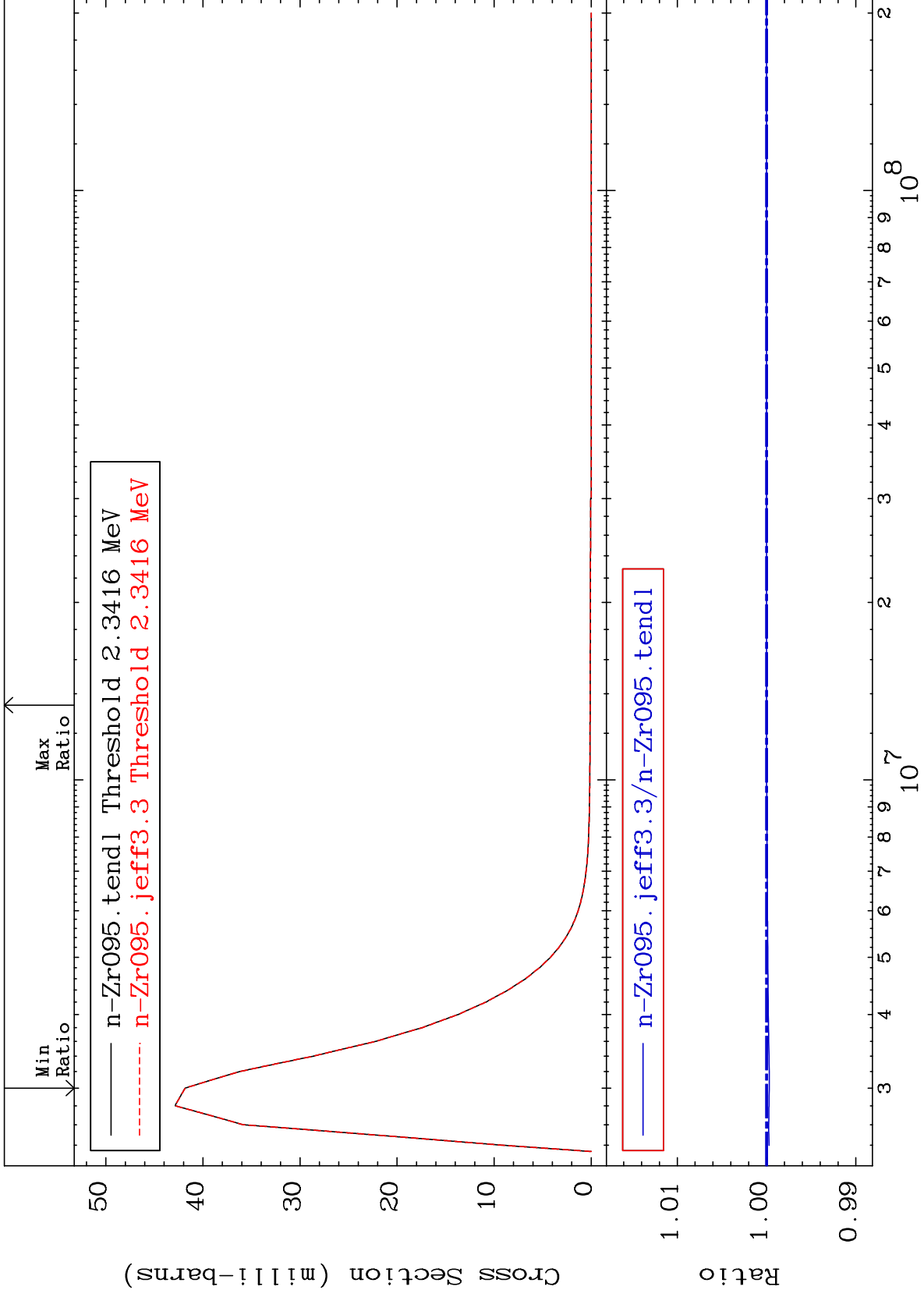
40-Zr-95
-0.030 To 0.000 %



MAT 4040

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

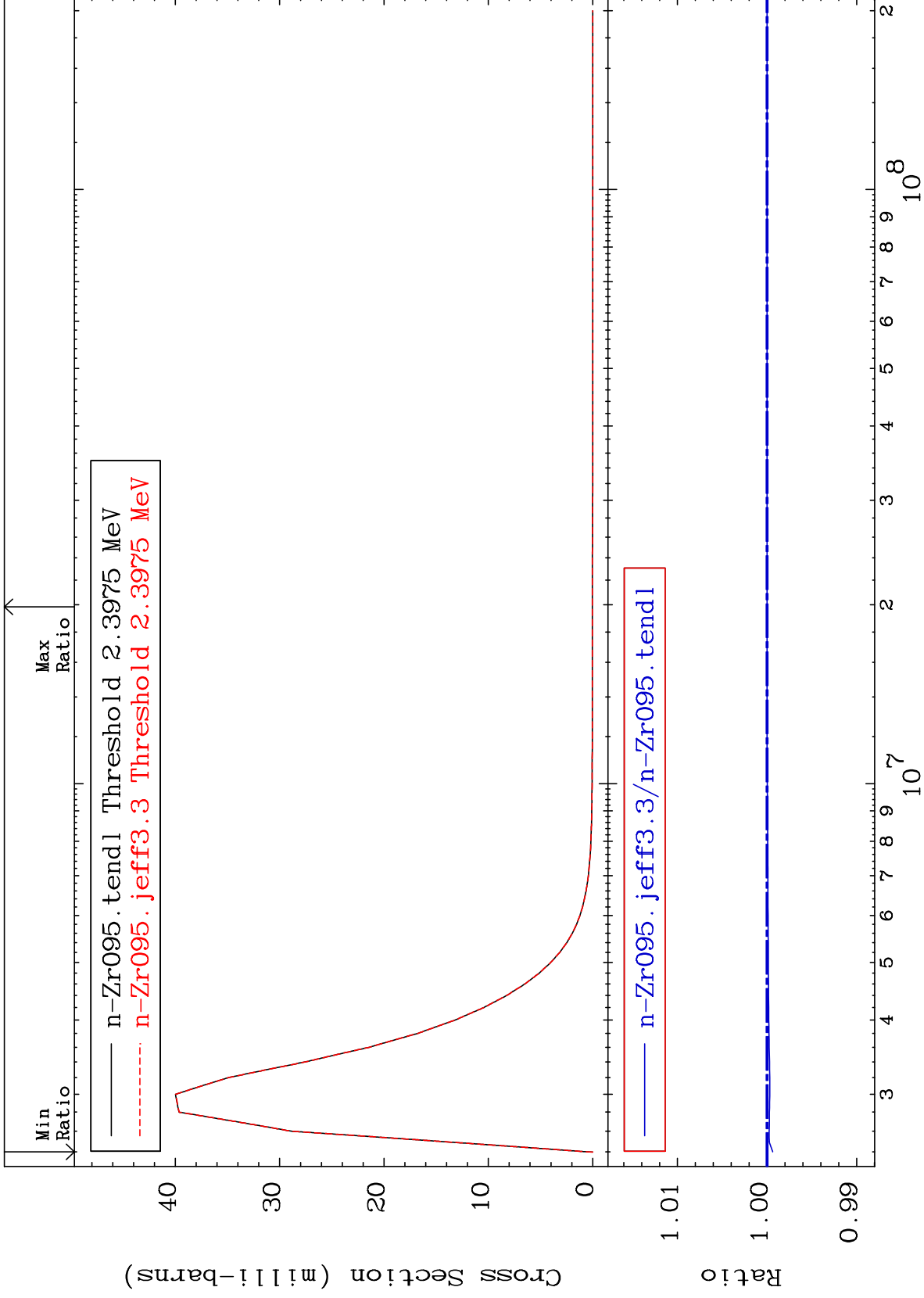
40-Zr-95
-0.031 To 0.000 %



MAT 4040

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

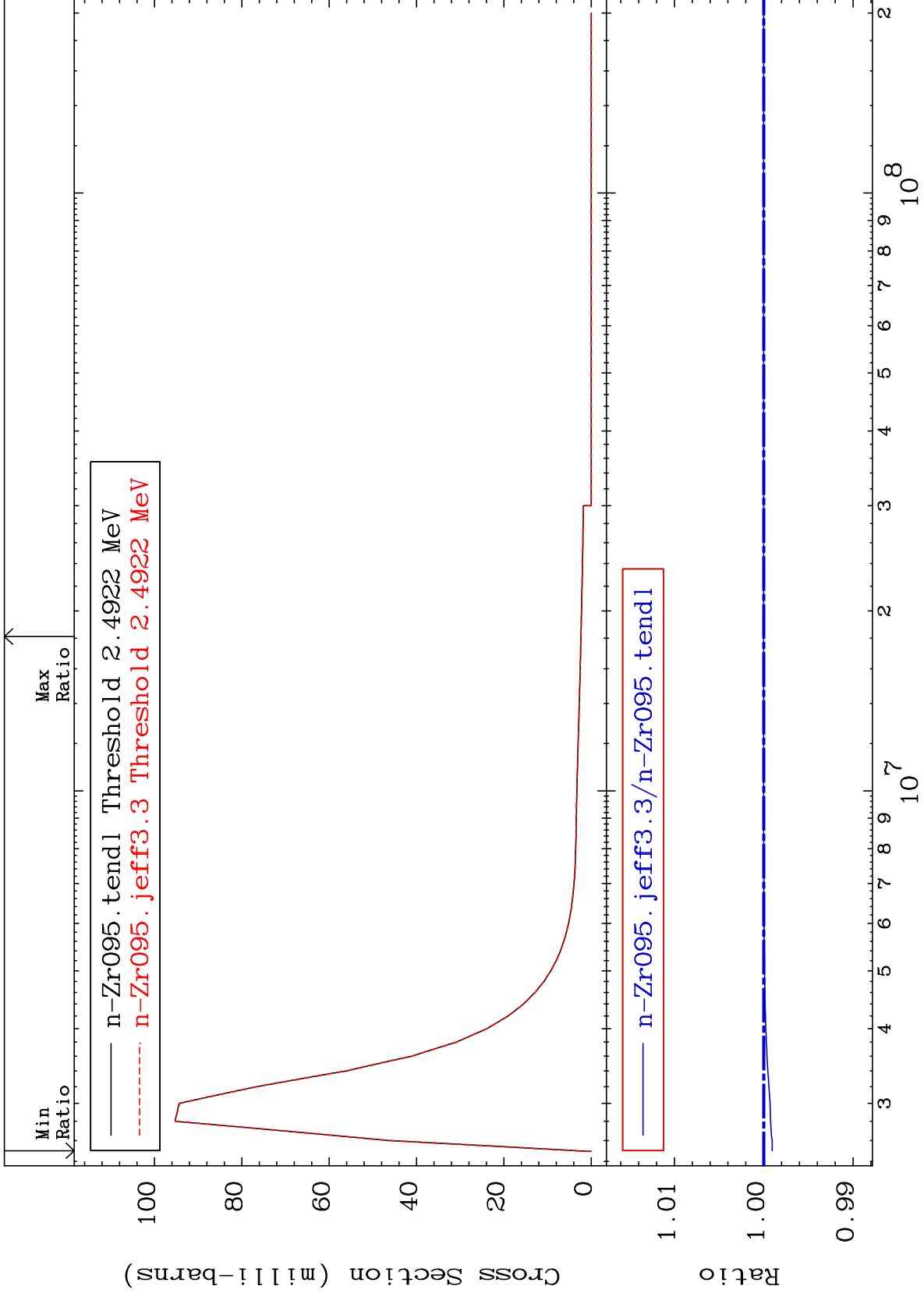
40-Zr-95
-0.063 To 0.000 %



MAT 4040

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

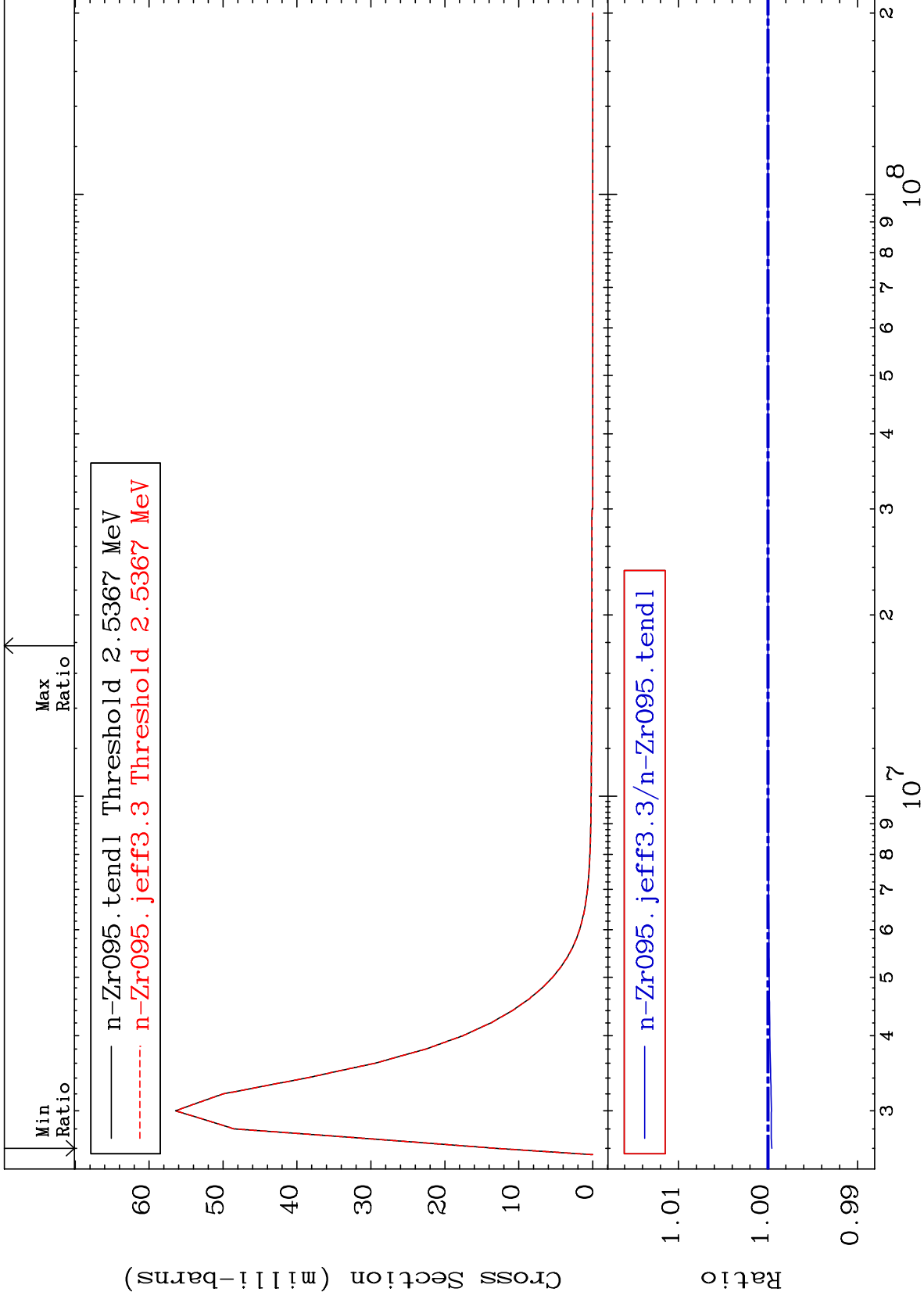
40-Zr-95
-0.095 To 0.000 %



MAT 4040

MT= 71 (n,n') Level
Cross Section

40-Zr-95
-0.043 To 0.000 %



40

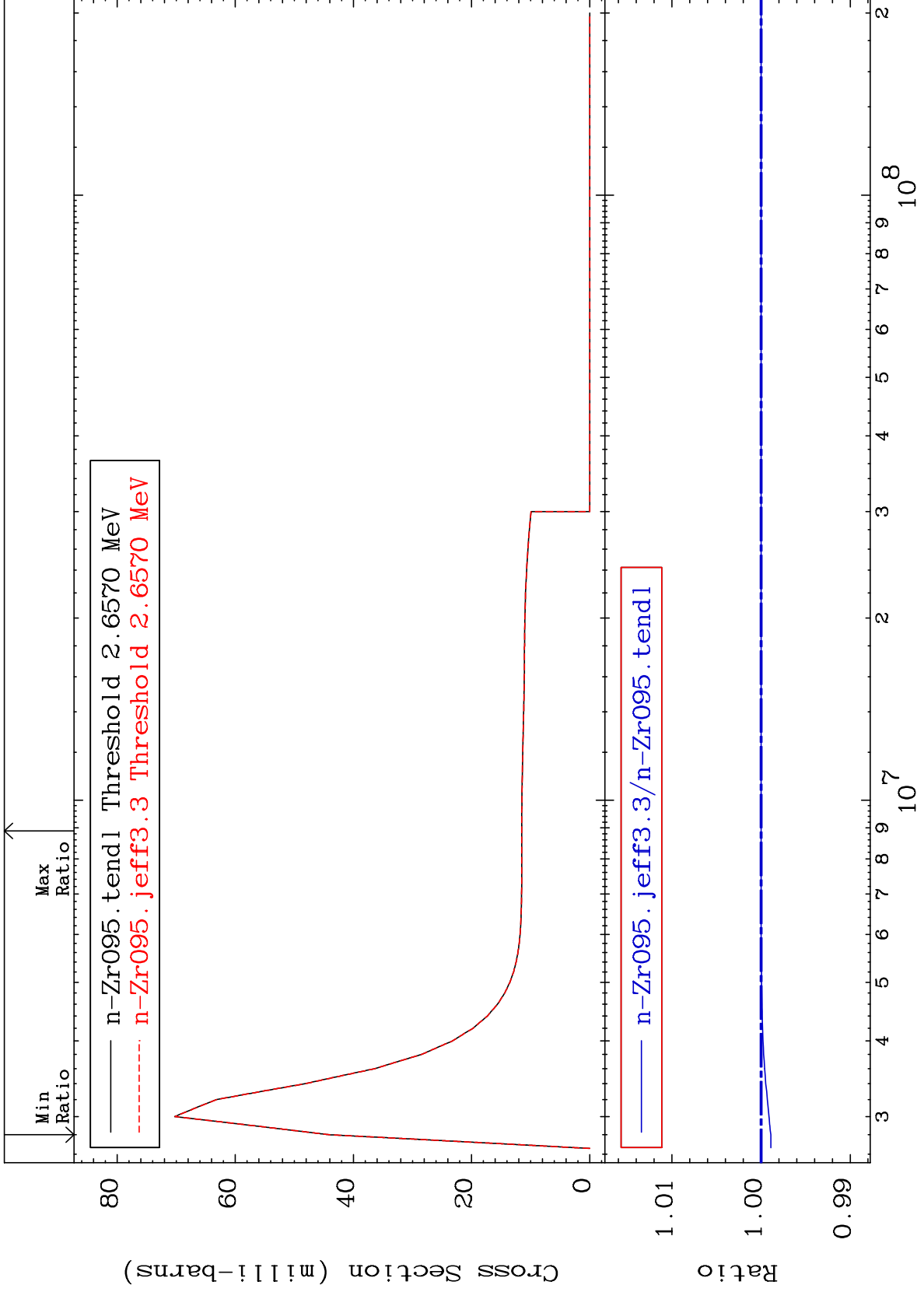
Incident Energy (eV)

40-Zr-95

MAT 4040

MT= 72 (n,n') Level
Cross Section

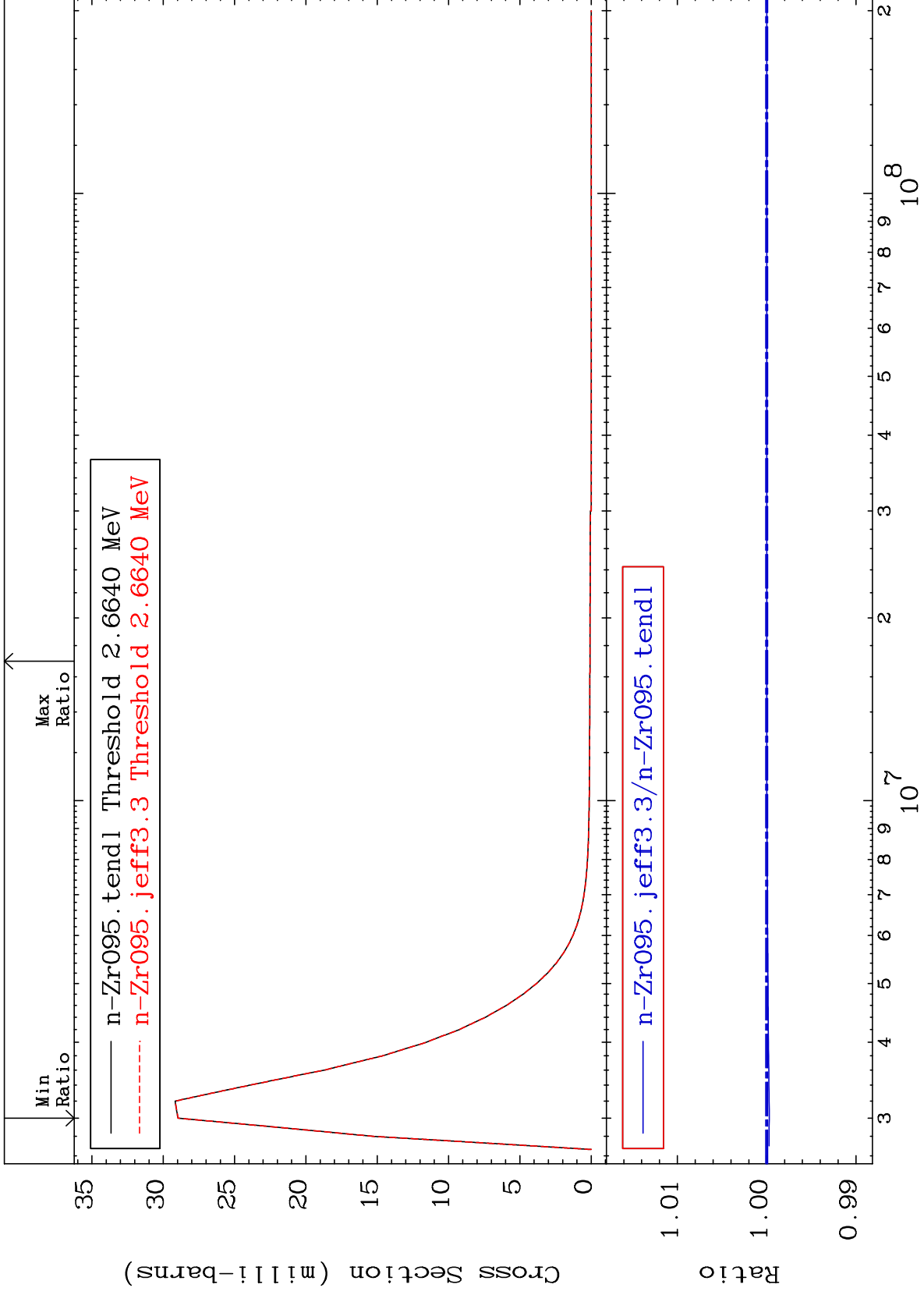
40-Zr-95
-0.110 To 0.000 %



MAT 4040

MT= 73 (n,n') Level
Cross Section

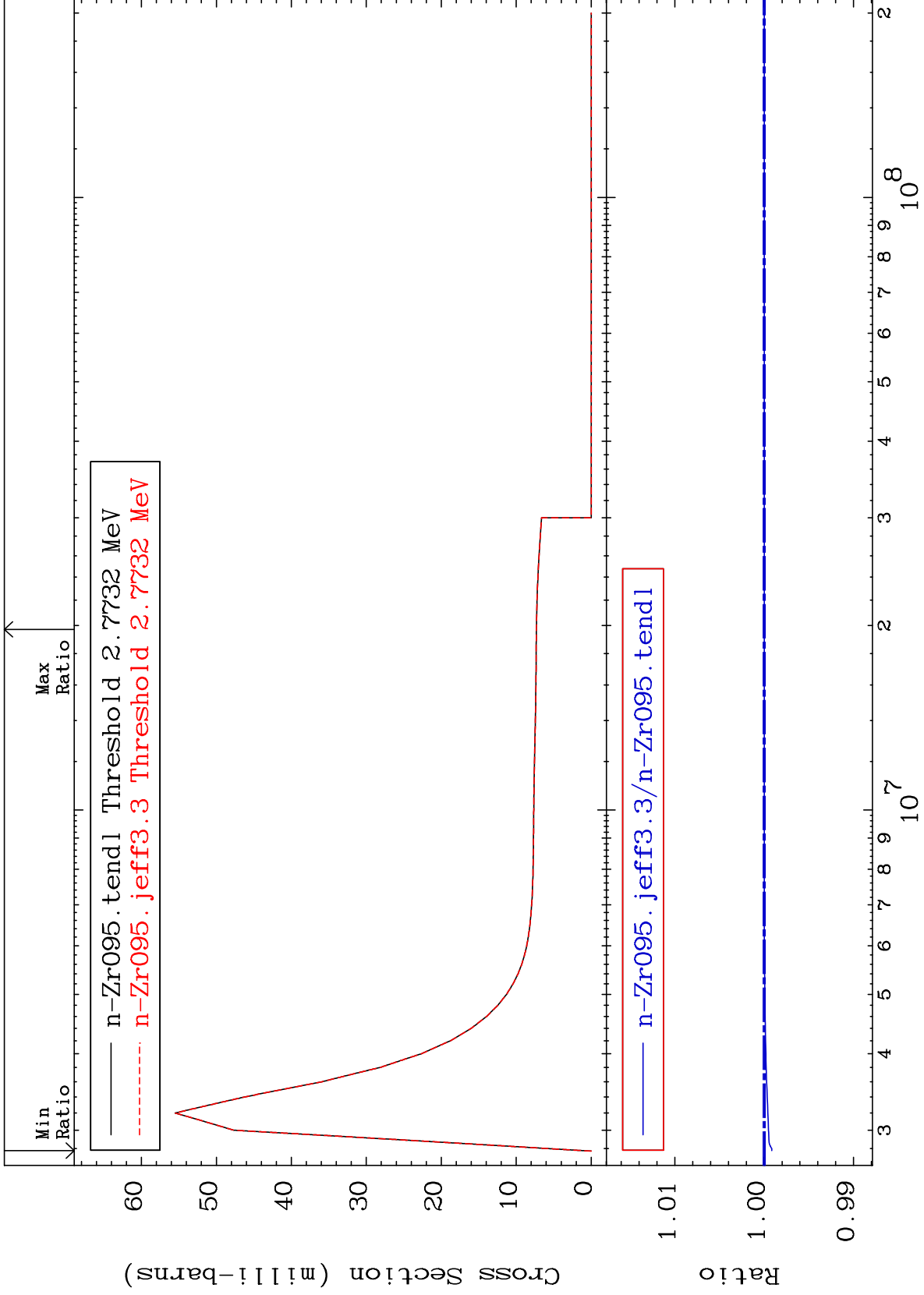
40-Zr-95
-0.028 To 0.000 %



MAT 4040

MT= 74 (n,n') Level
Cross Section

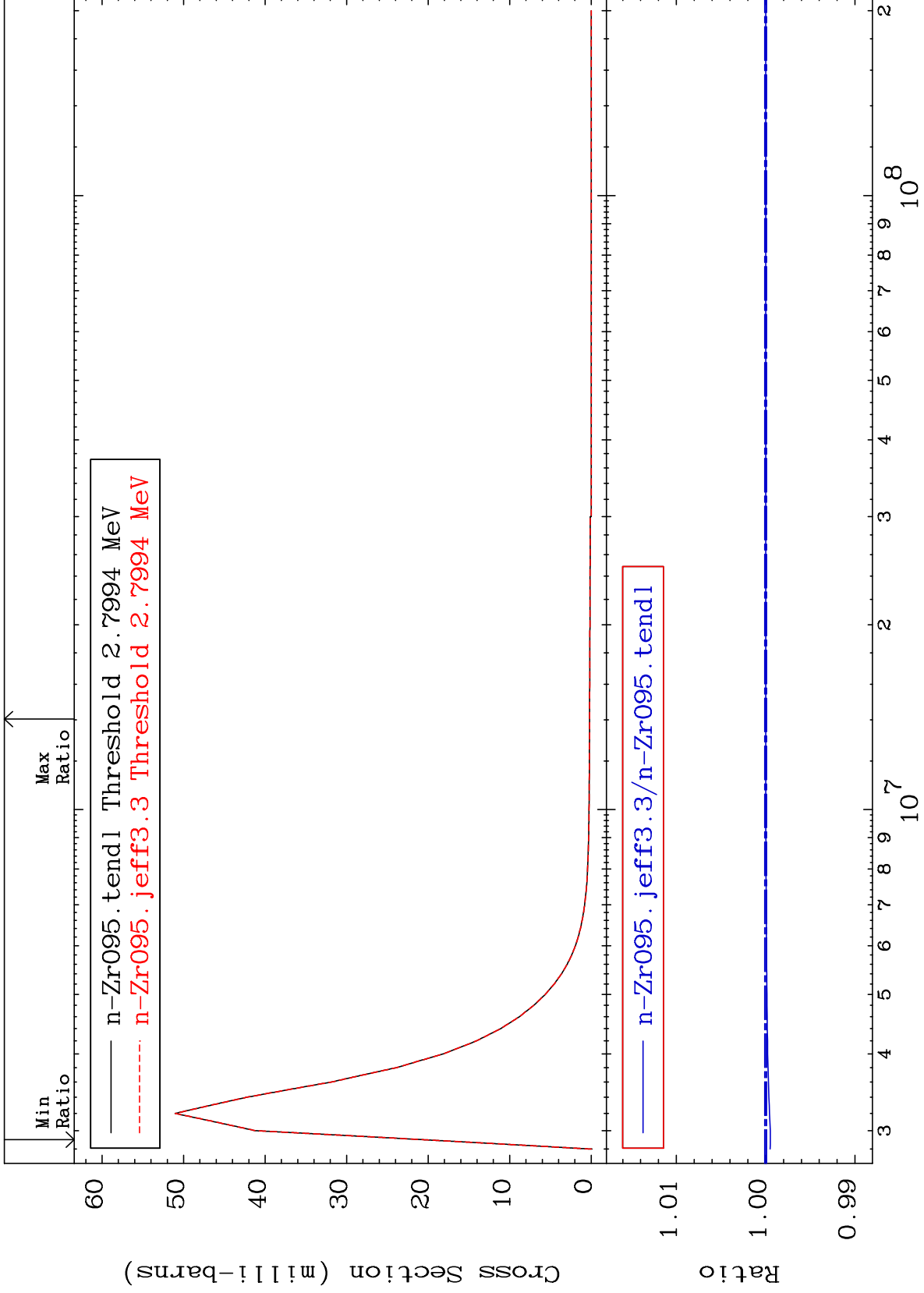
40-Zr-95
-0.084 To 0.000 %



MAT 4040

MT= 75 (n,n') Level
Cross Section

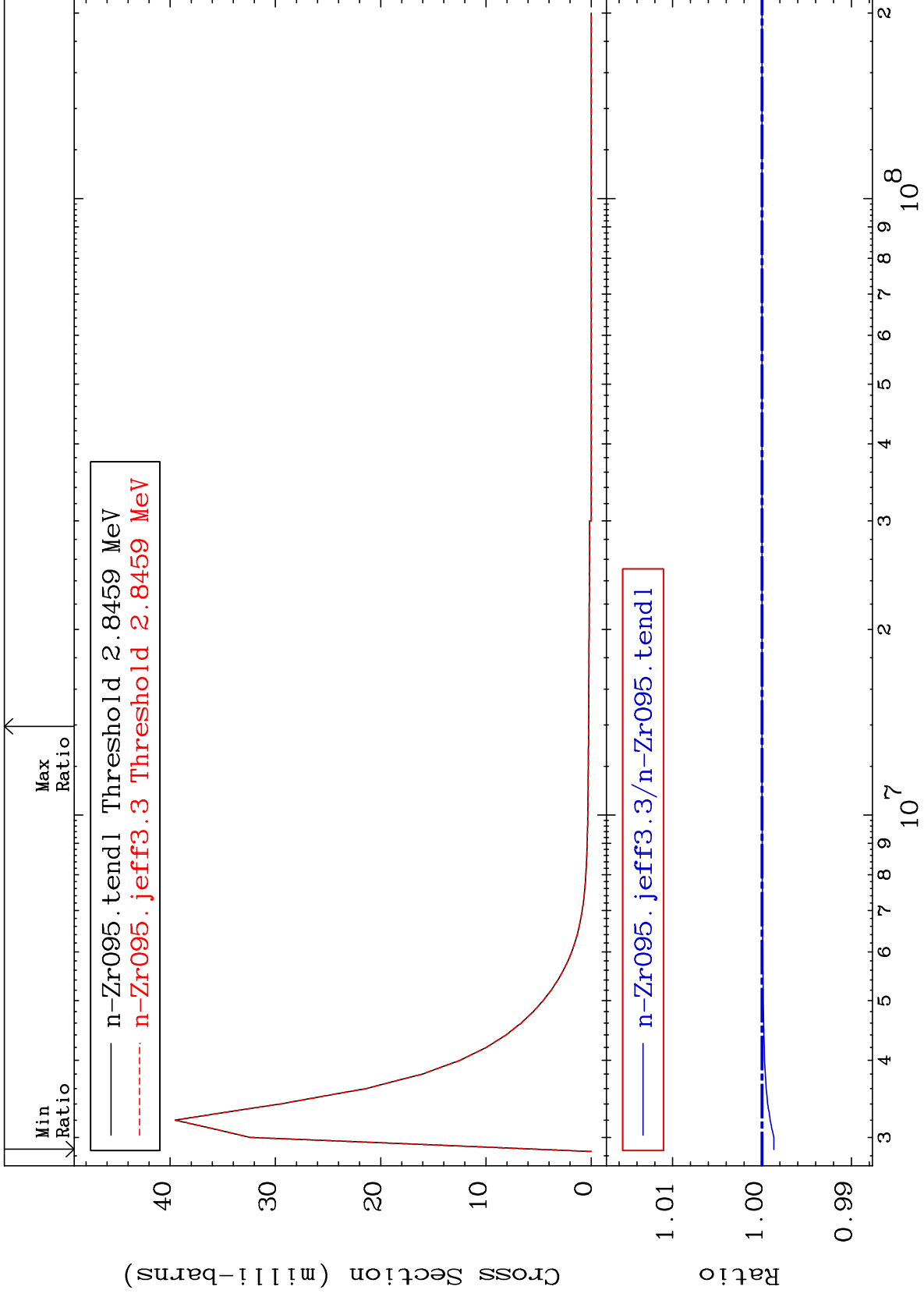
40-Zr-95
-0.051 To 0.000 %



MAT 4040

MT= 76 (n,n') Level
Cross Section

40-Zr-95
-0.133 To 0.000 %



45

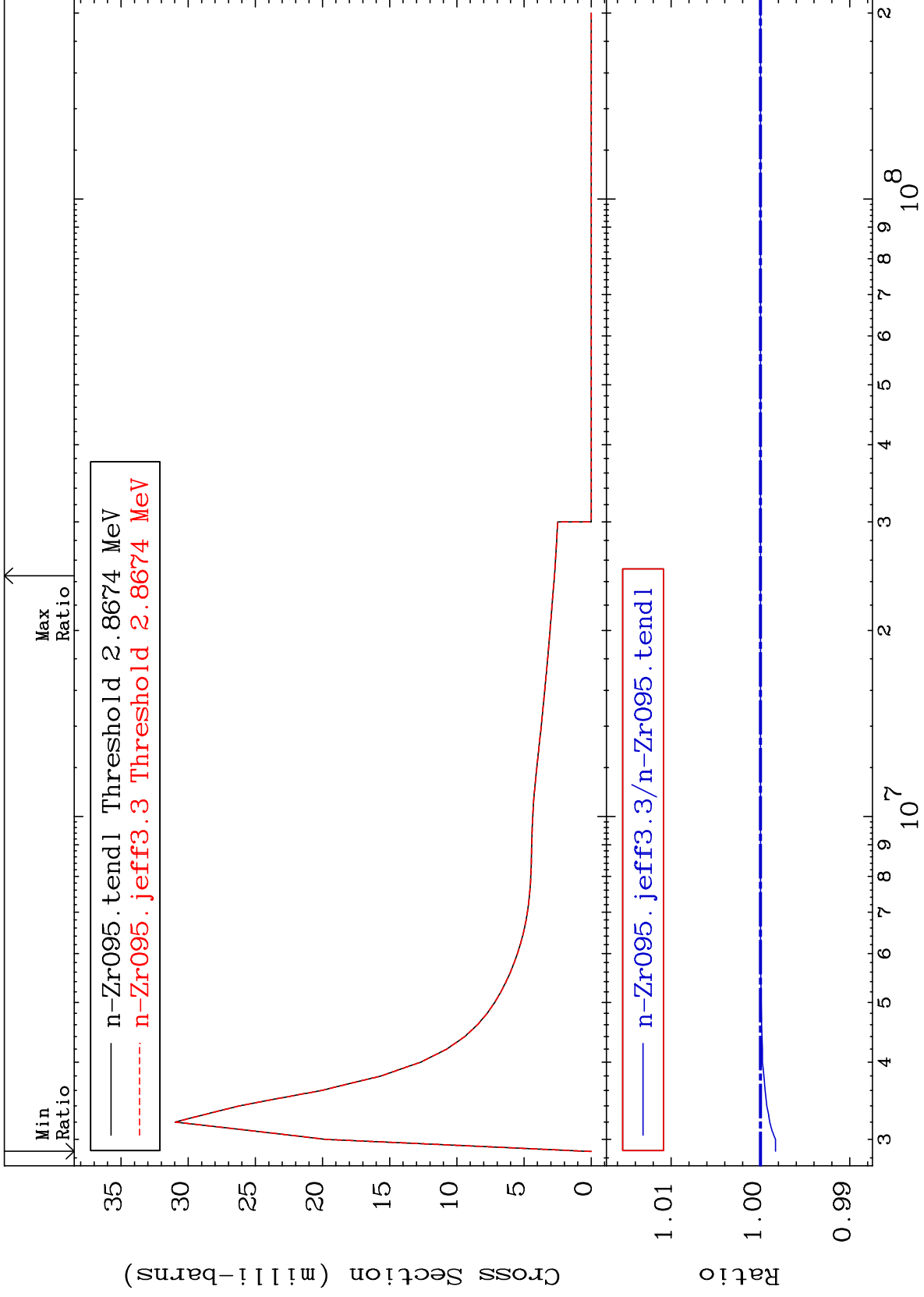
Incident Energy (eV)

40-Zr-95

MAT 4040

MT= 77 (n, n') Level
Cross Section

40-Zr-95
-0.168 To 0.000 %



46

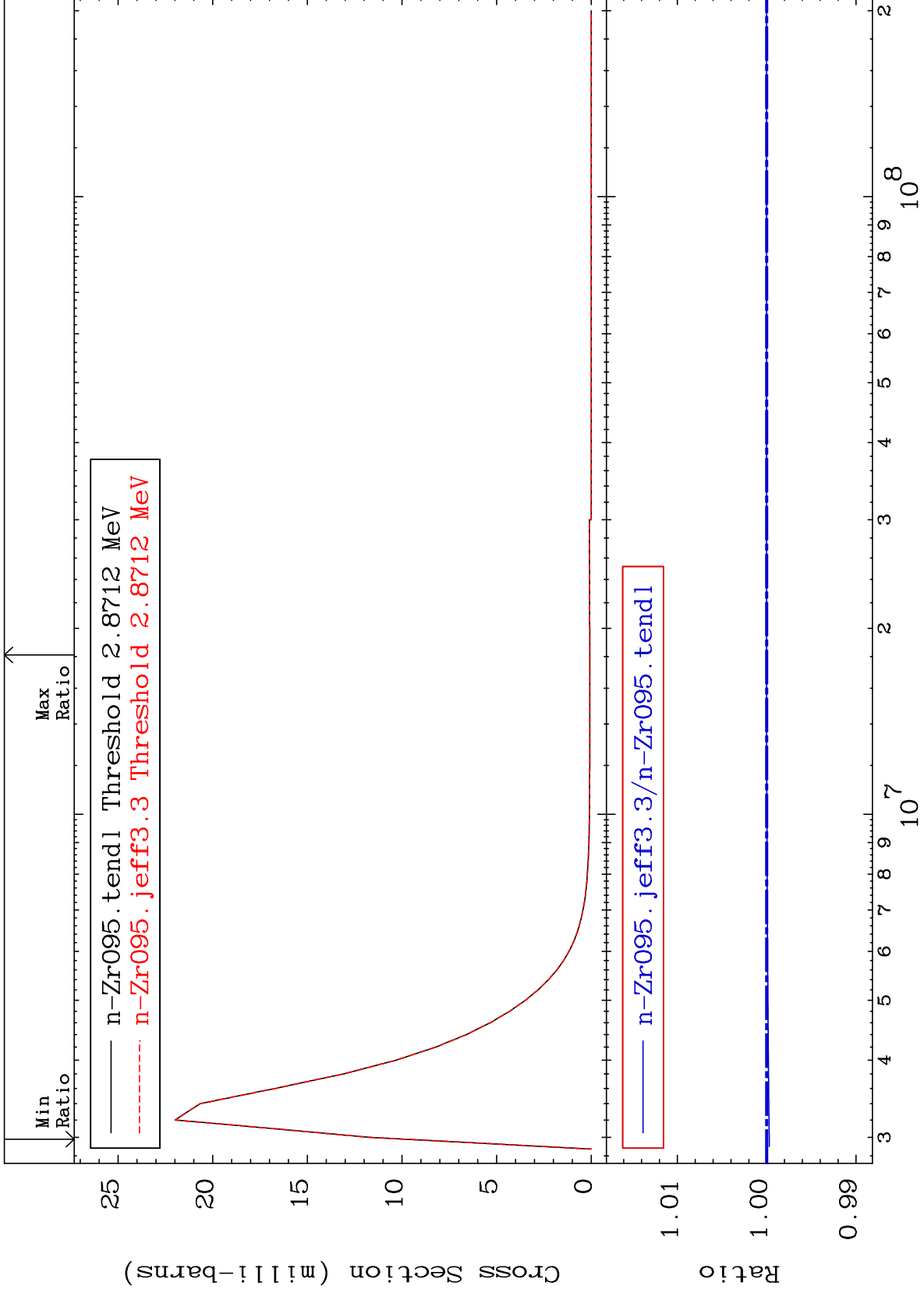
Incident Energy (eV)

40-Zr-95

MAT 4040

MT= 78 (n,n') Level
Cross Section

40-Zr-95
-0.029 To 0.000 %



47

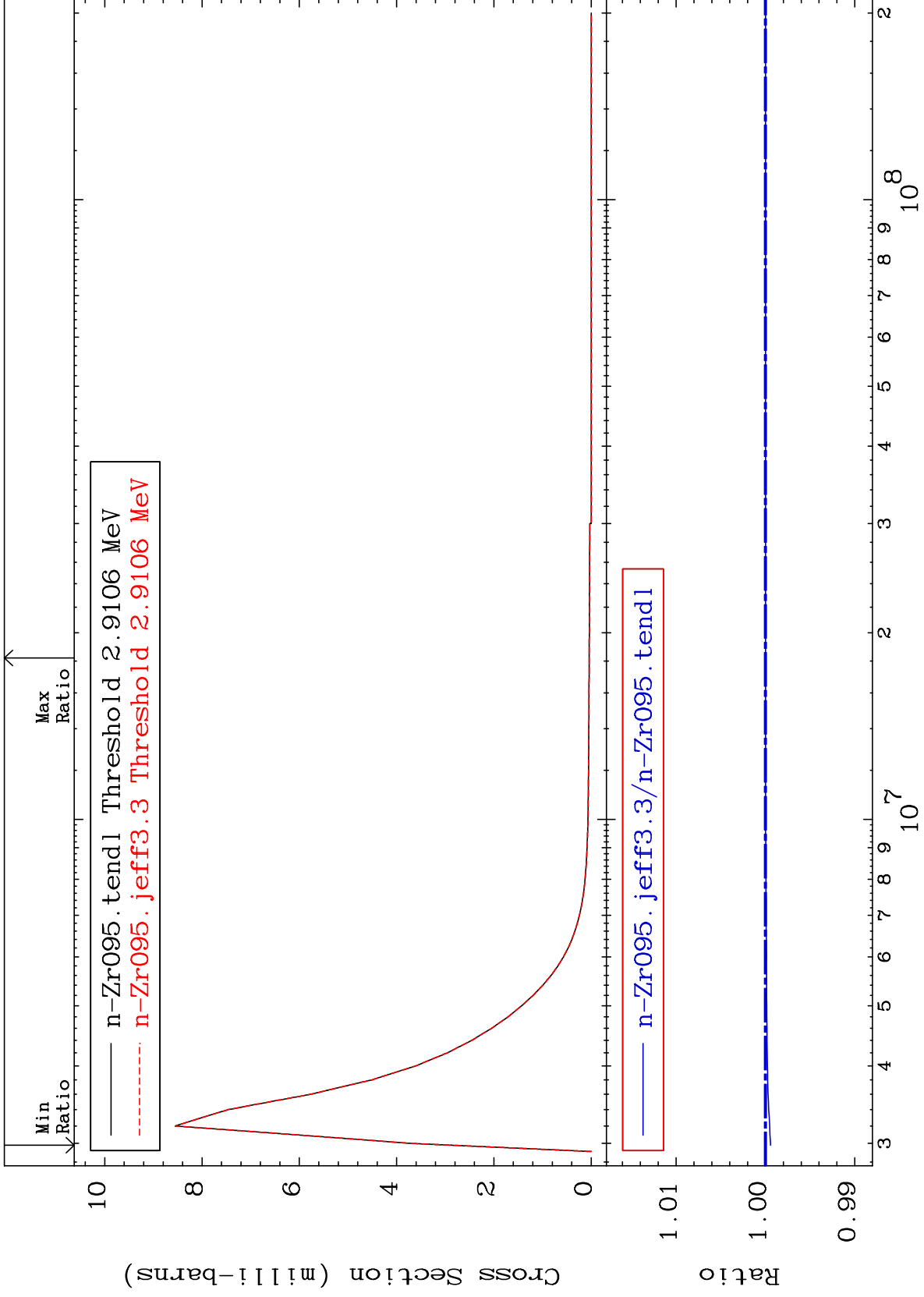
Incident Energy (eV)

40-Zr-95

MAT 4040

MT= 79 (n,n') Level
Cross Section

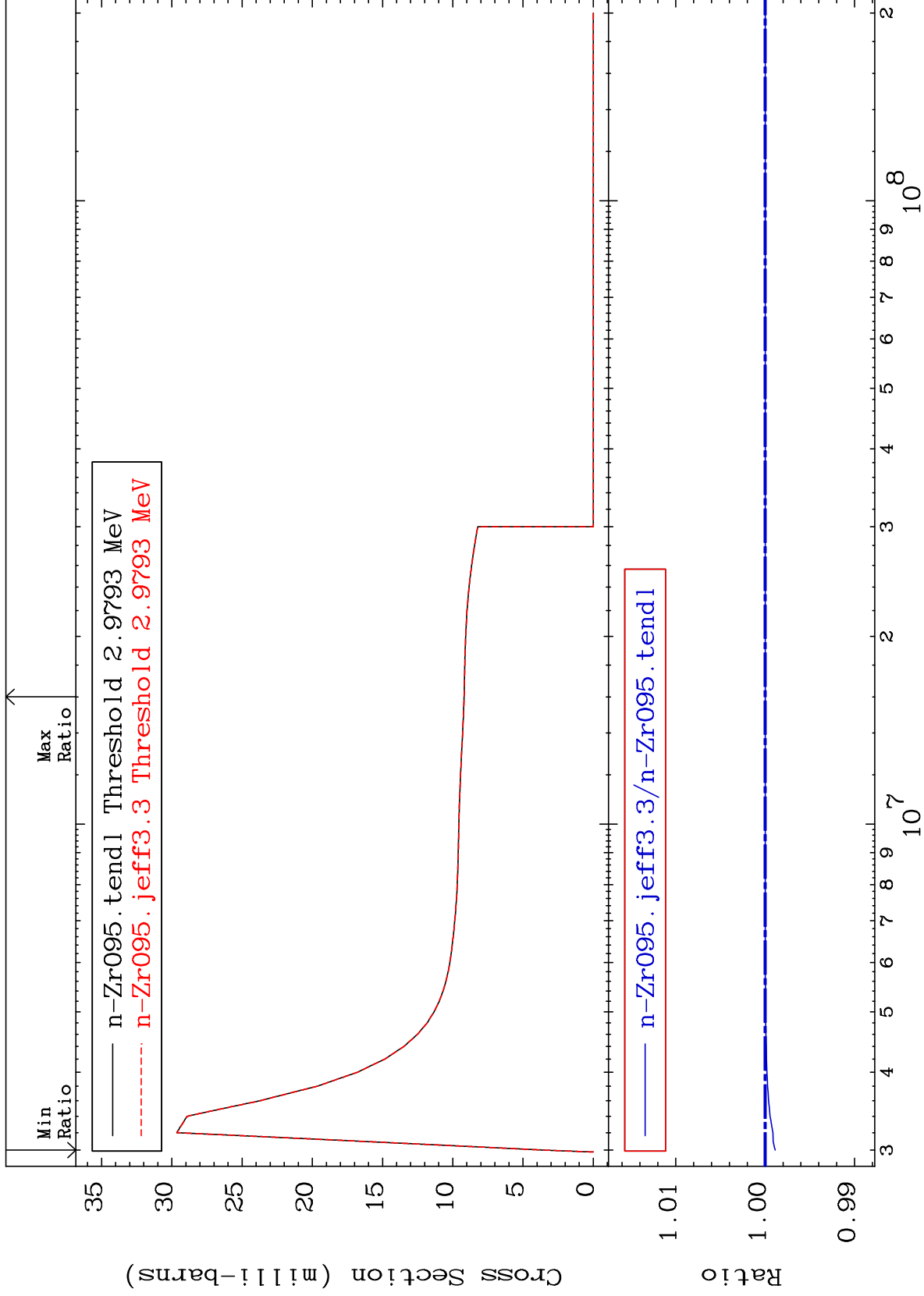
40-Zr-95
-0.055 To 0.000 %



MAT 4040

MT= 80 (n,n') Level
Cross Section

40-Zr-95
-0.112 To 0.000 %



49

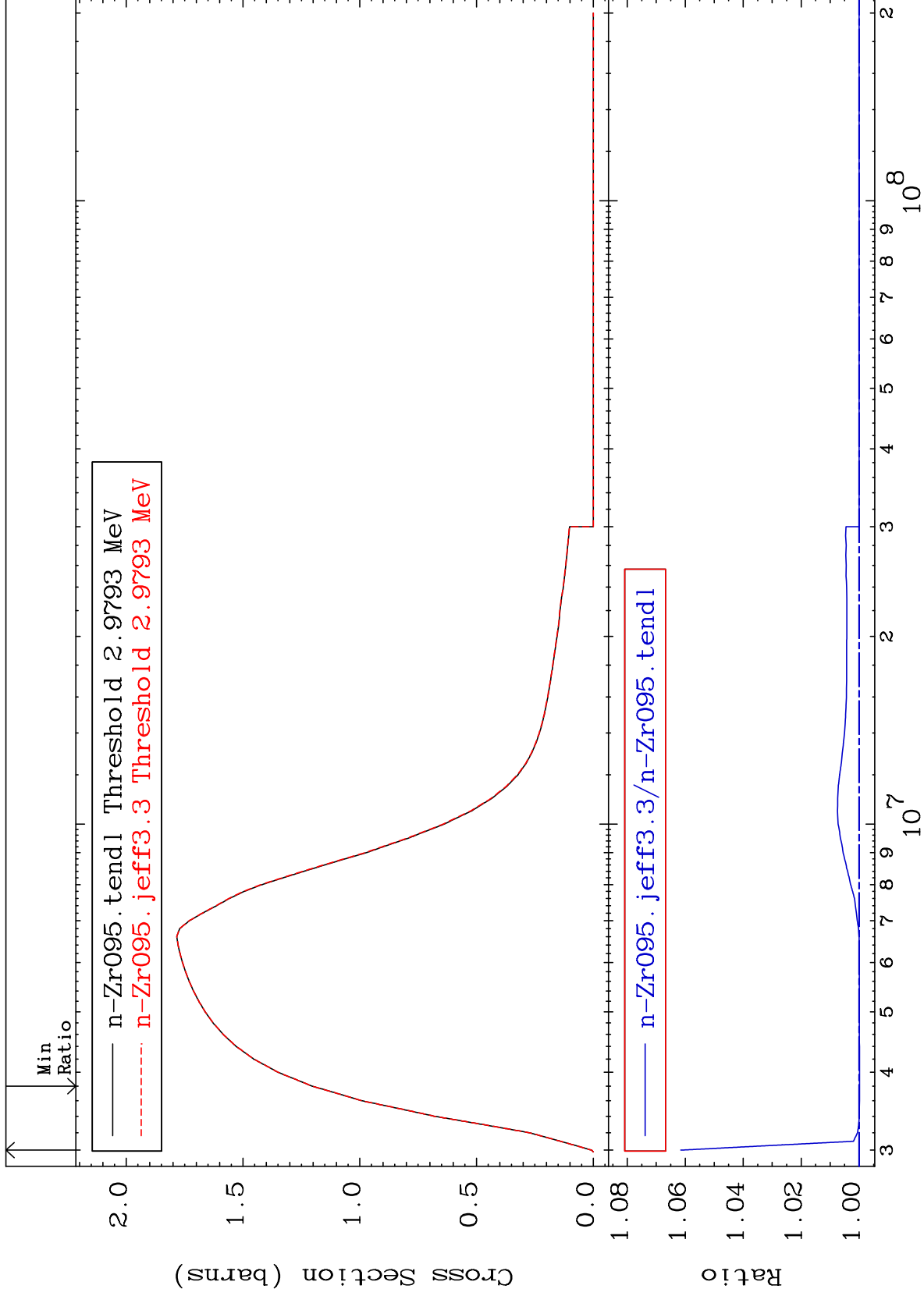
Incident Energy (eV)

40-Zr-95

MAT 4040

(n, n') Continuum
Cross Section

40-Zr-95
-0.015 To 6.154 %



50

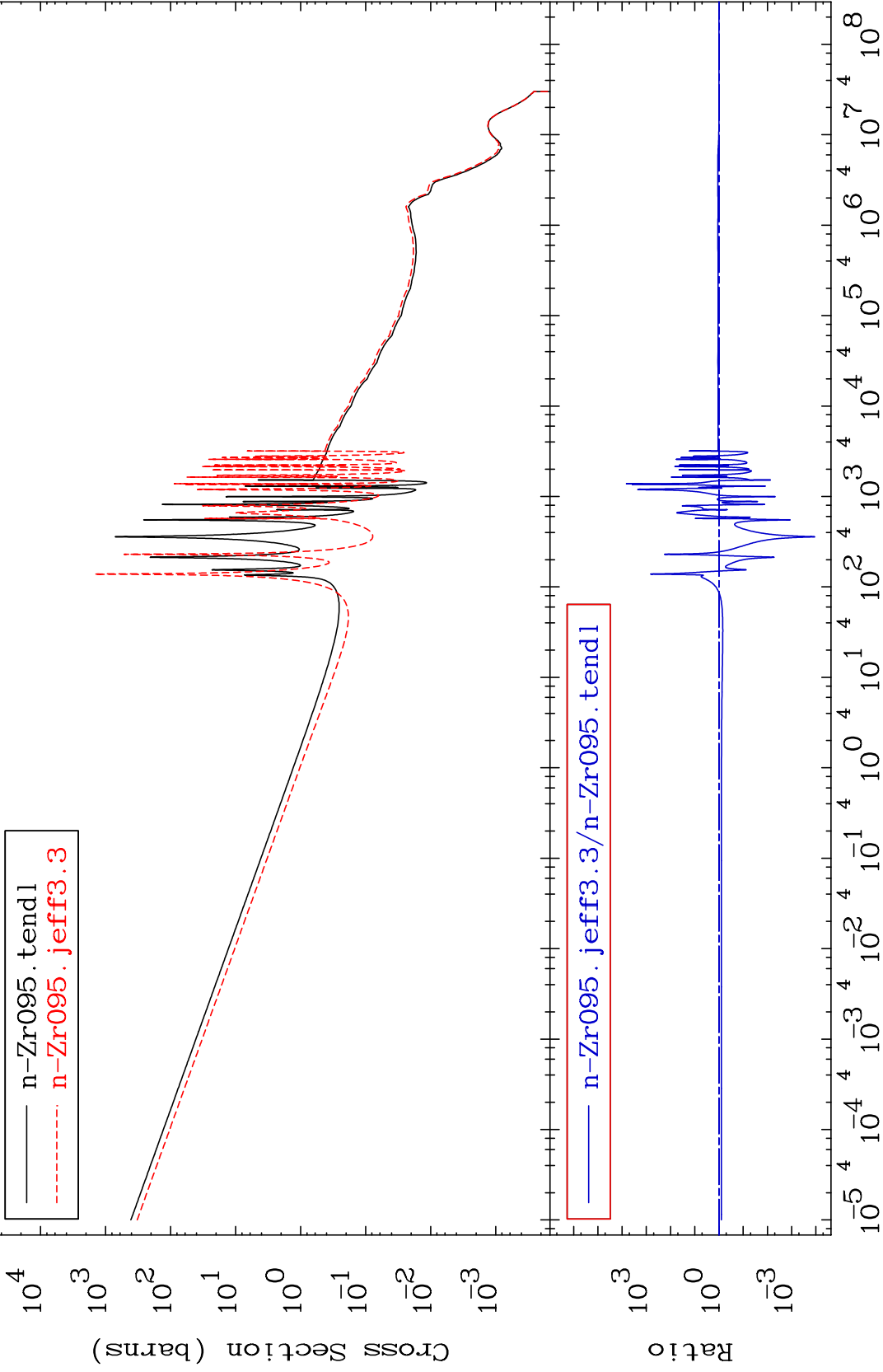
Incident Energy (eV)

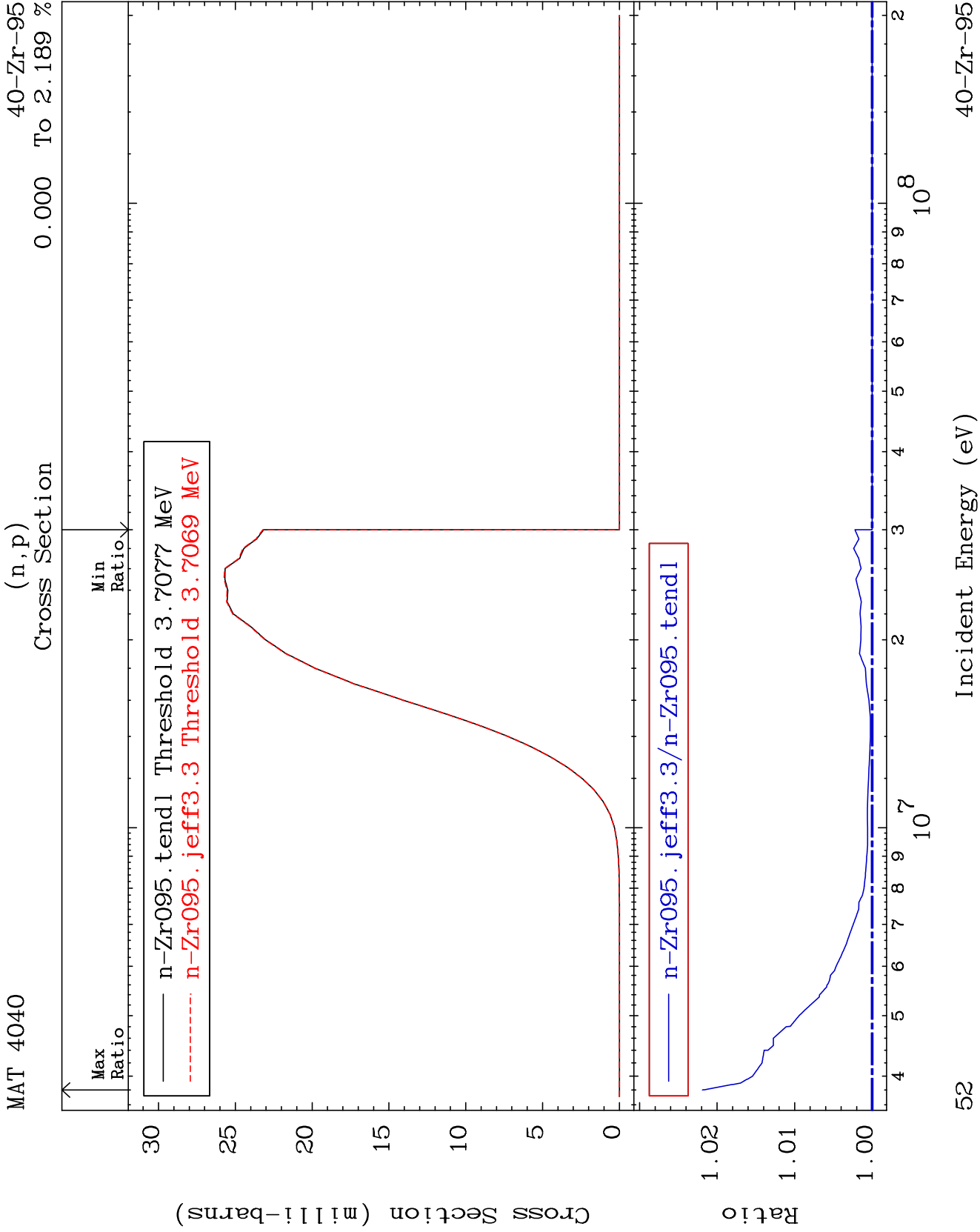
40-Zr-95

MAT 4040

(n, γ)
Cross Section

40-Zr-95
-99.99 To 9999. %





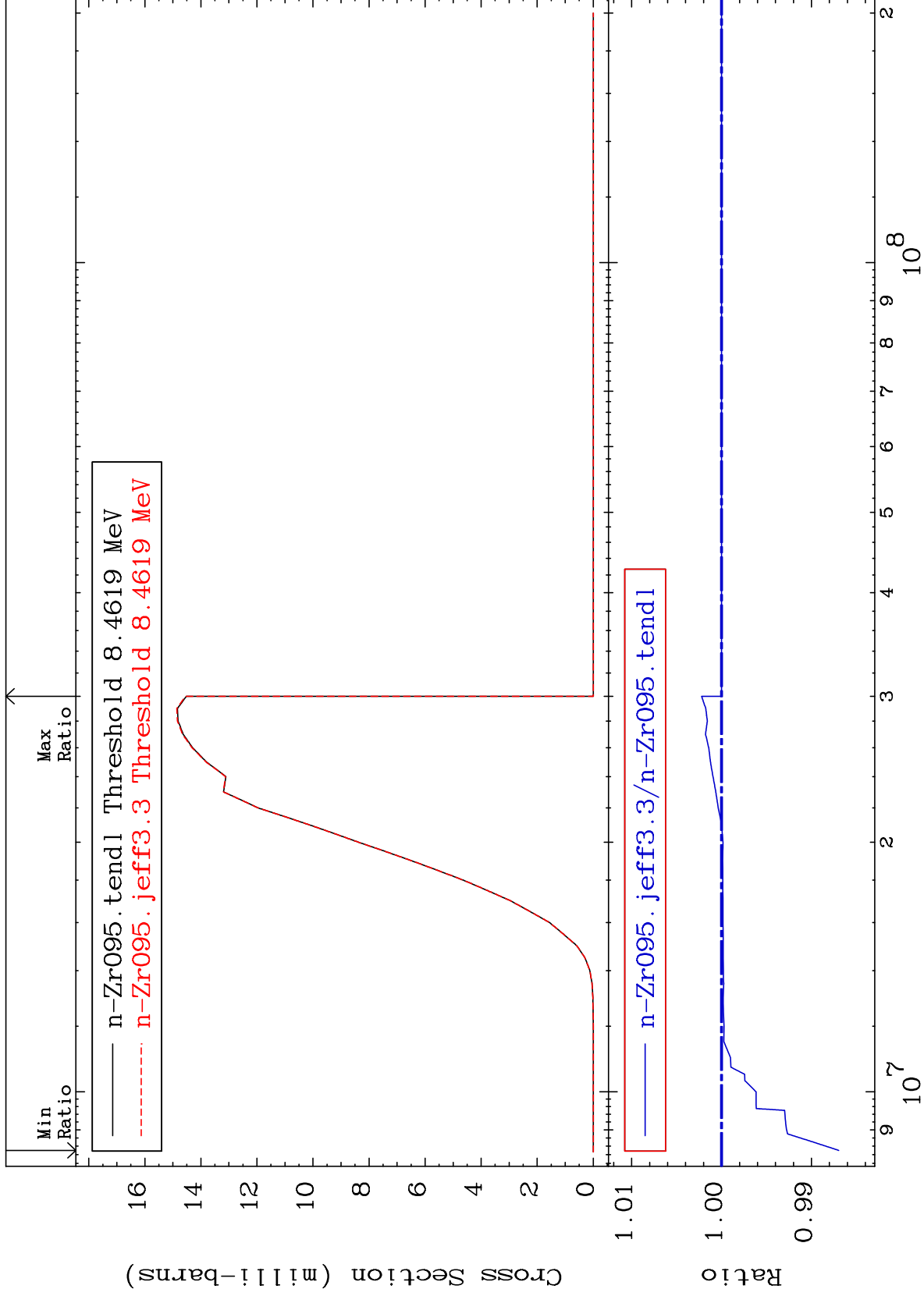
MAT 4040

(n, d)

40-Zr-95

Cross Section

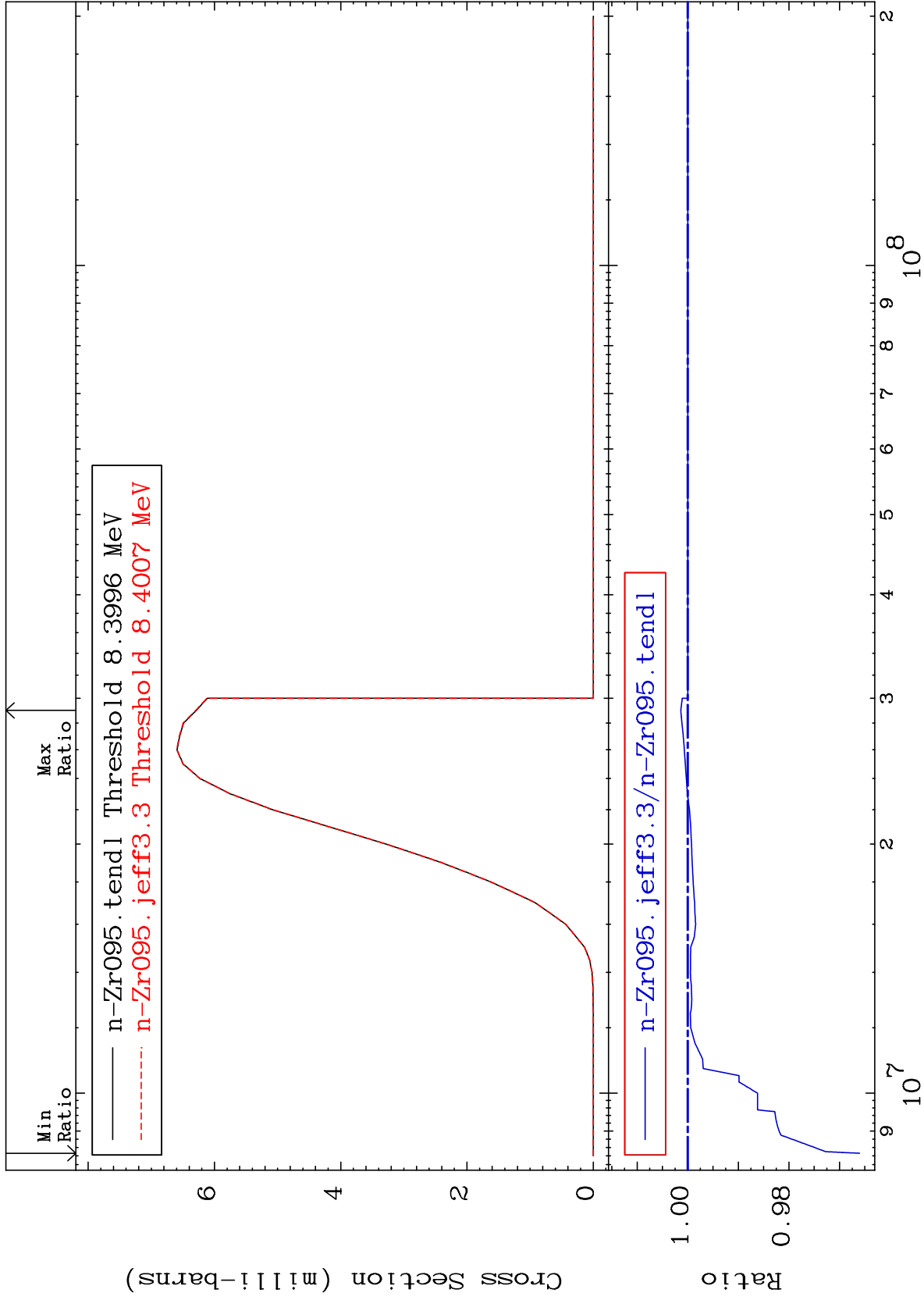
-1.305 To 0.223 %



MAT 4040

40-Zr-95

(n, t)
Cross Section
-3.396 To 0.137 %



54

40-Zr-95

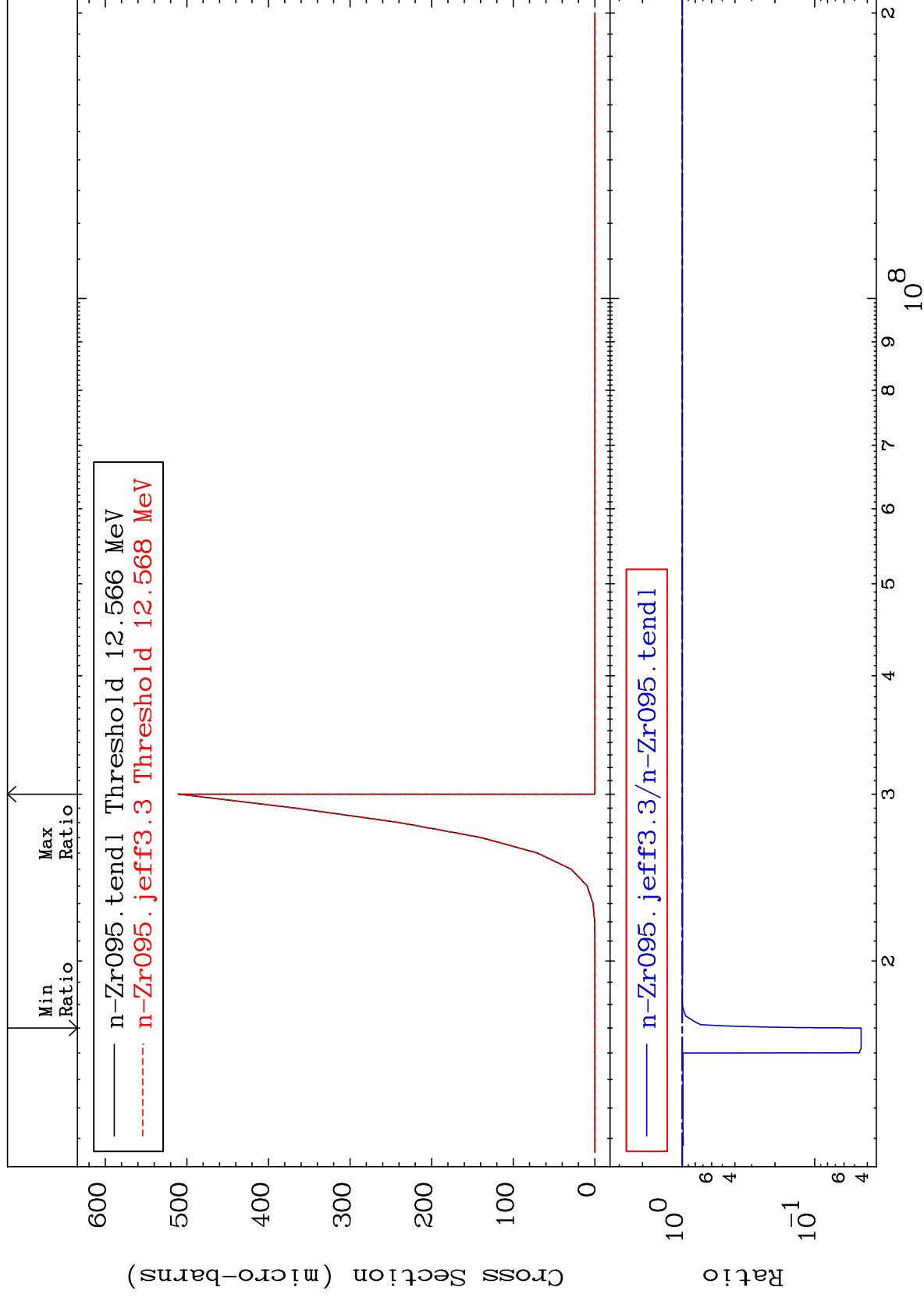
MAT 4040

(n, He-3)

40-Zr-95

Cross Section

-95.54 To 0.000 %



55

Incident Energy (eV)

40-Zr-95

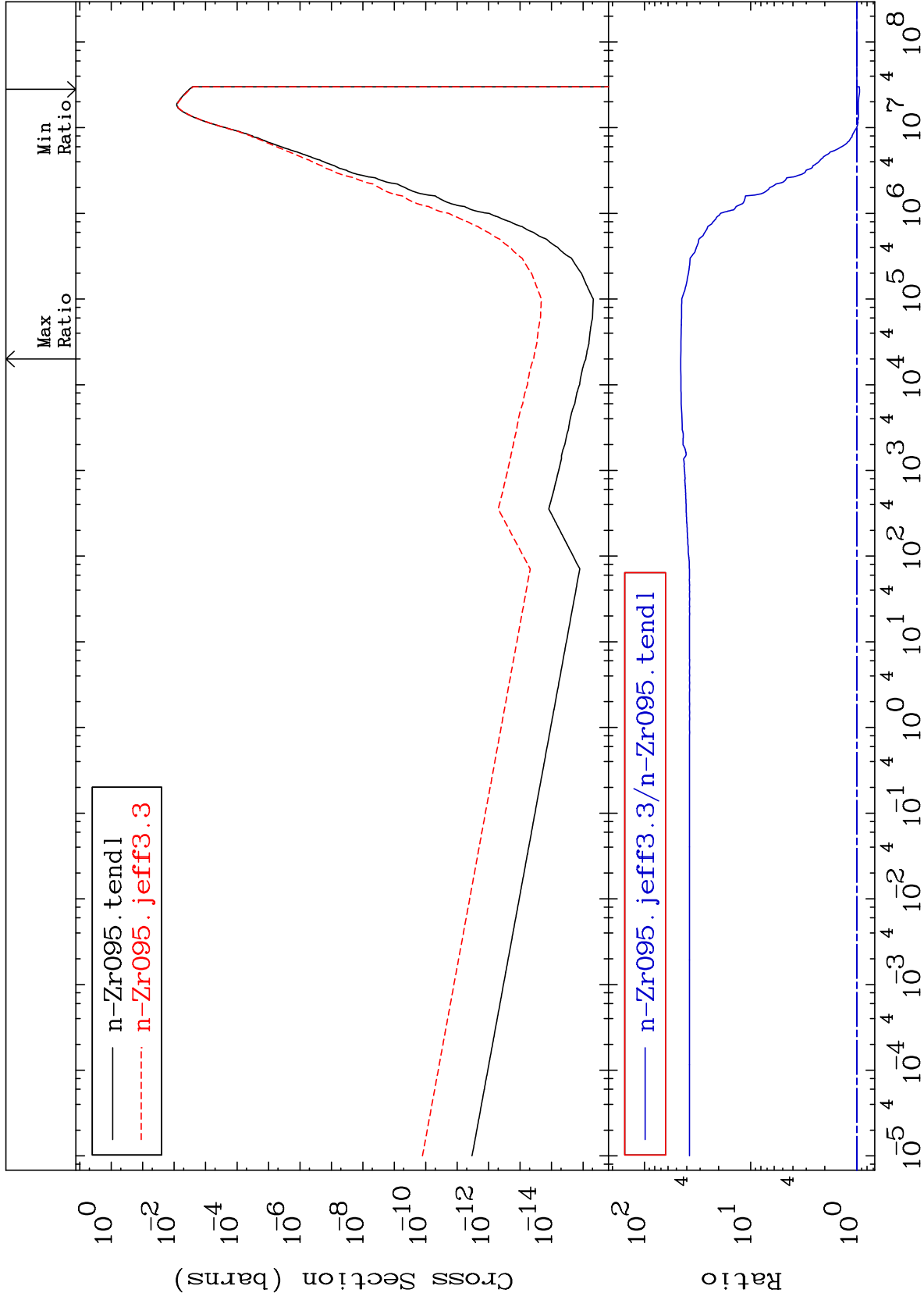
MAT 4040

(n, α)

40-Zr-95

Cross Section

-5.696 To 4453. %



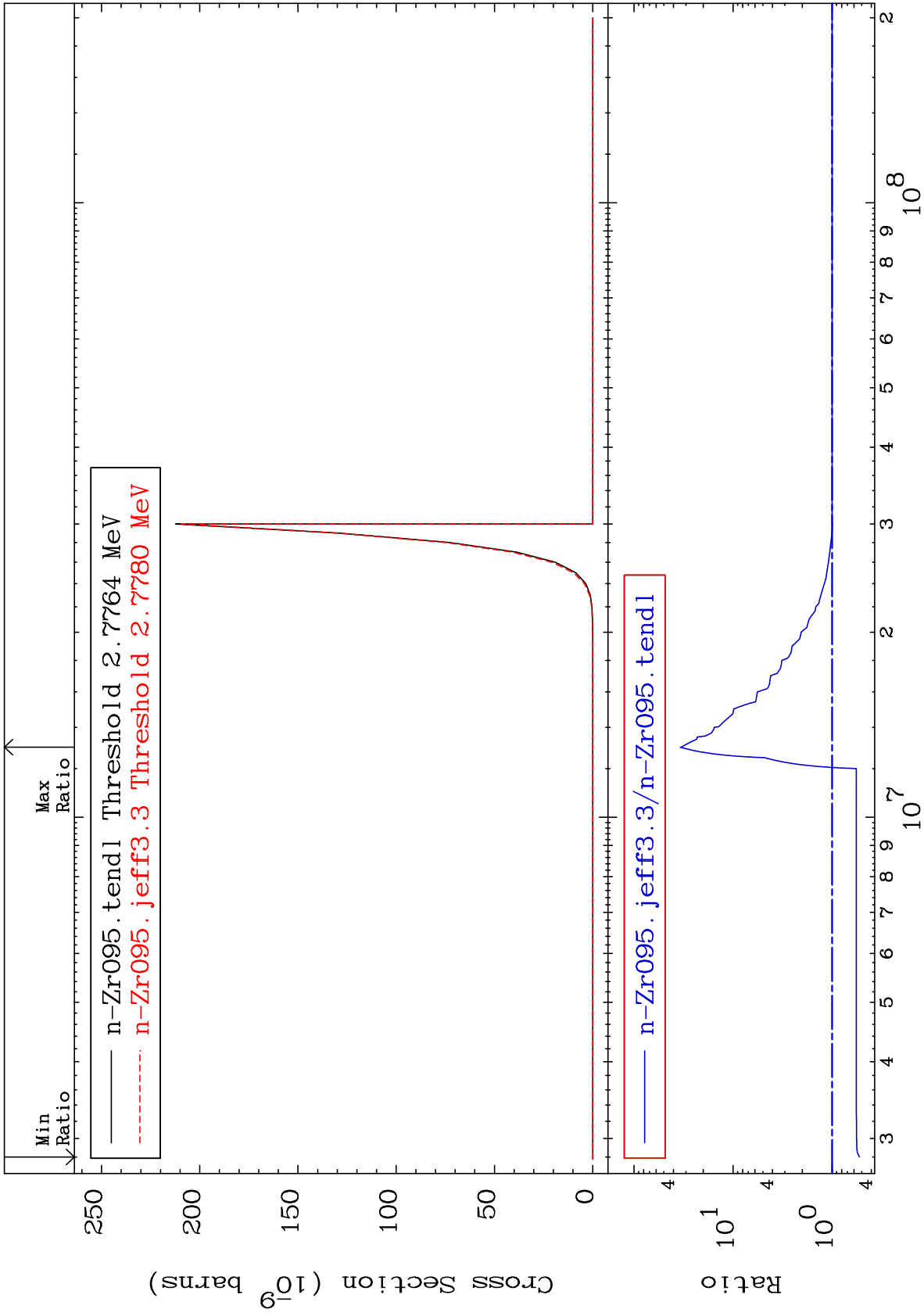
MAT 4040

(n,2α)

40-Zr-95

Cross Section

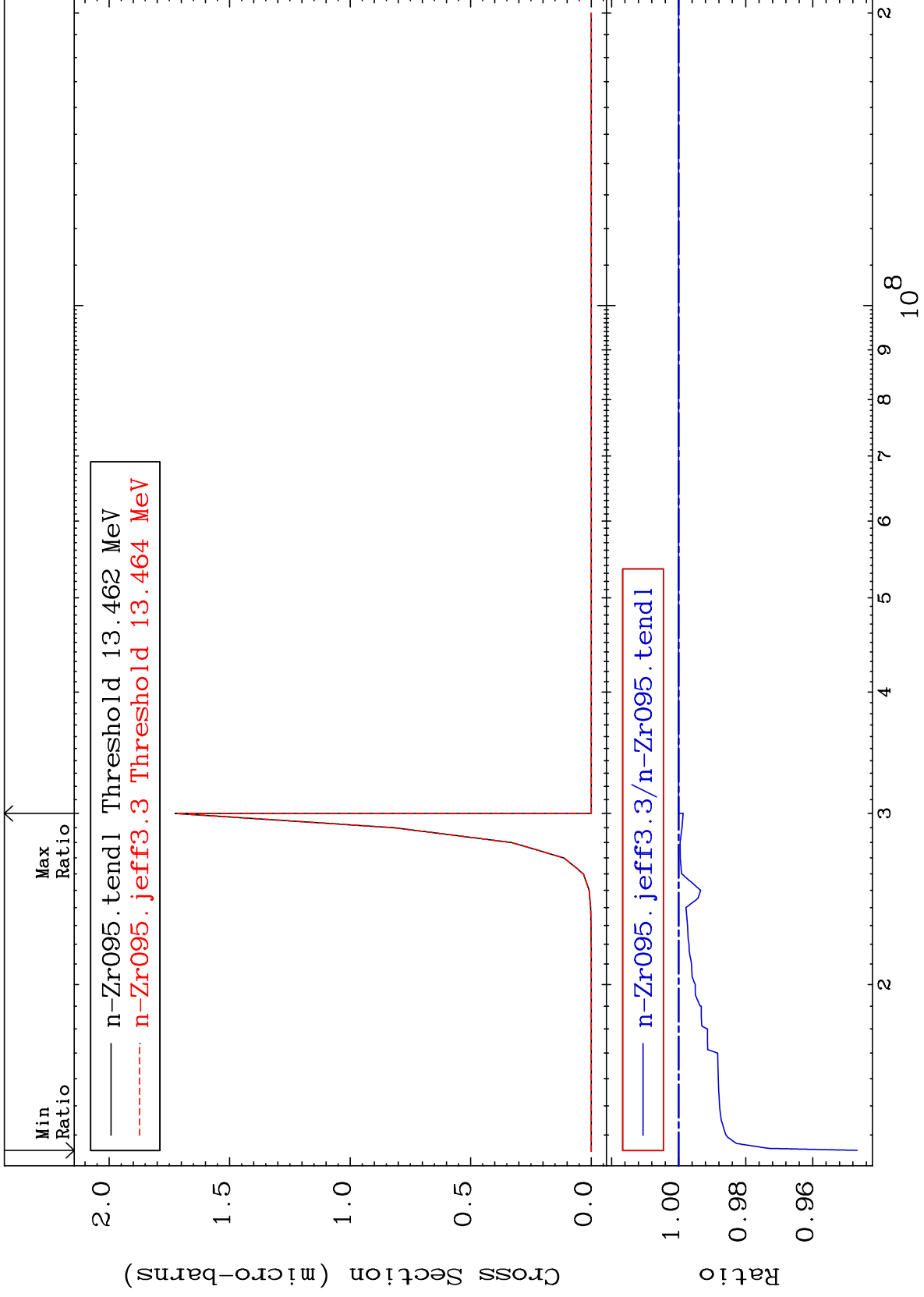
-47.15 To 3309. %



MAT 4040

(n,2p)
Cross Section

40-Zr-95
-5.328 To 0.000 %

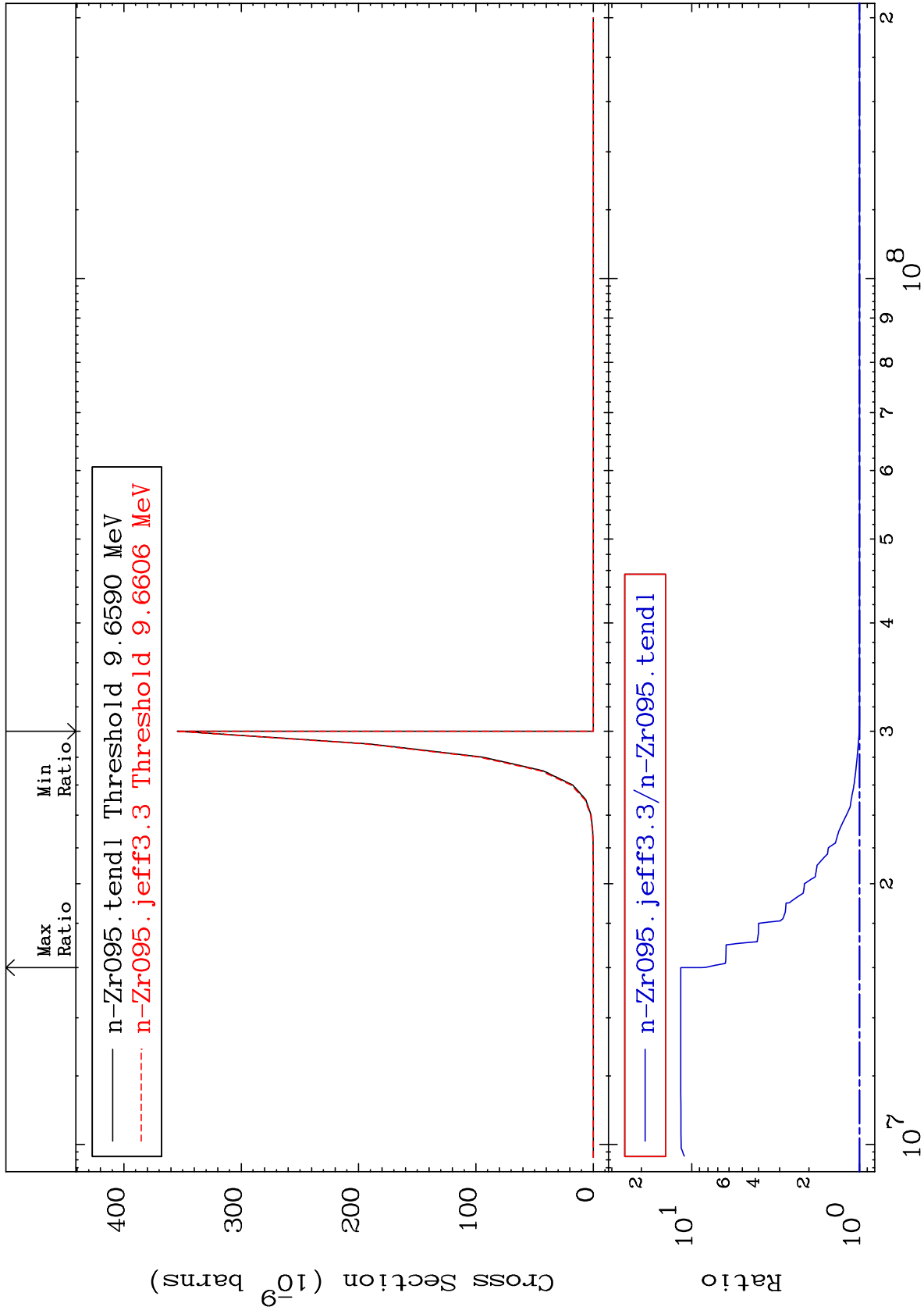


MAT 4040

(n,p) α
Cross Section

40-Zr-95

0.000 To 1064. %



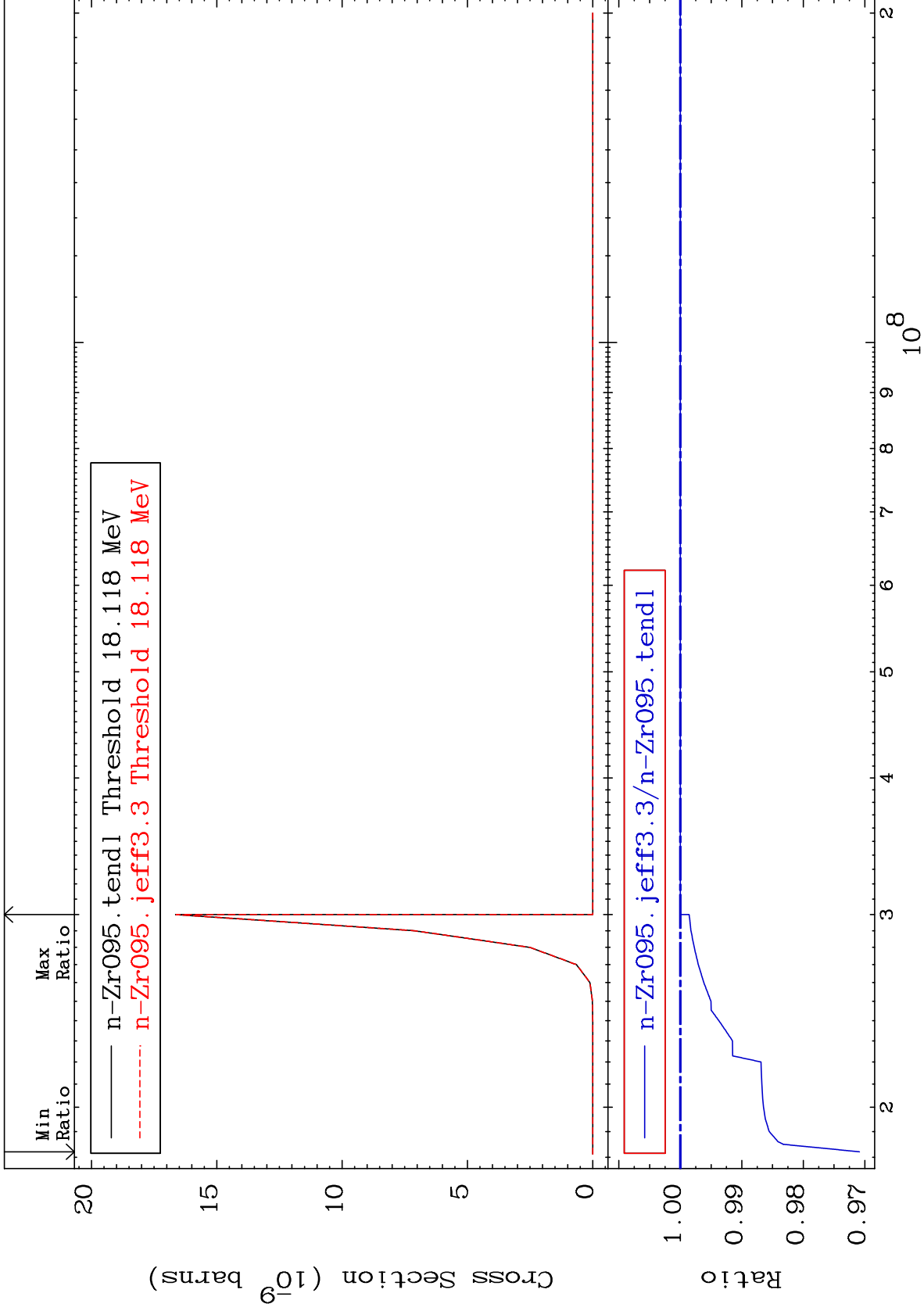
59

40-Zr-95

MAT 4040

(n, p) d
Cross Section

40-Zr-95
-2.913 To 0.000 %



60

Incident Energy (eV)

40-Zr-95

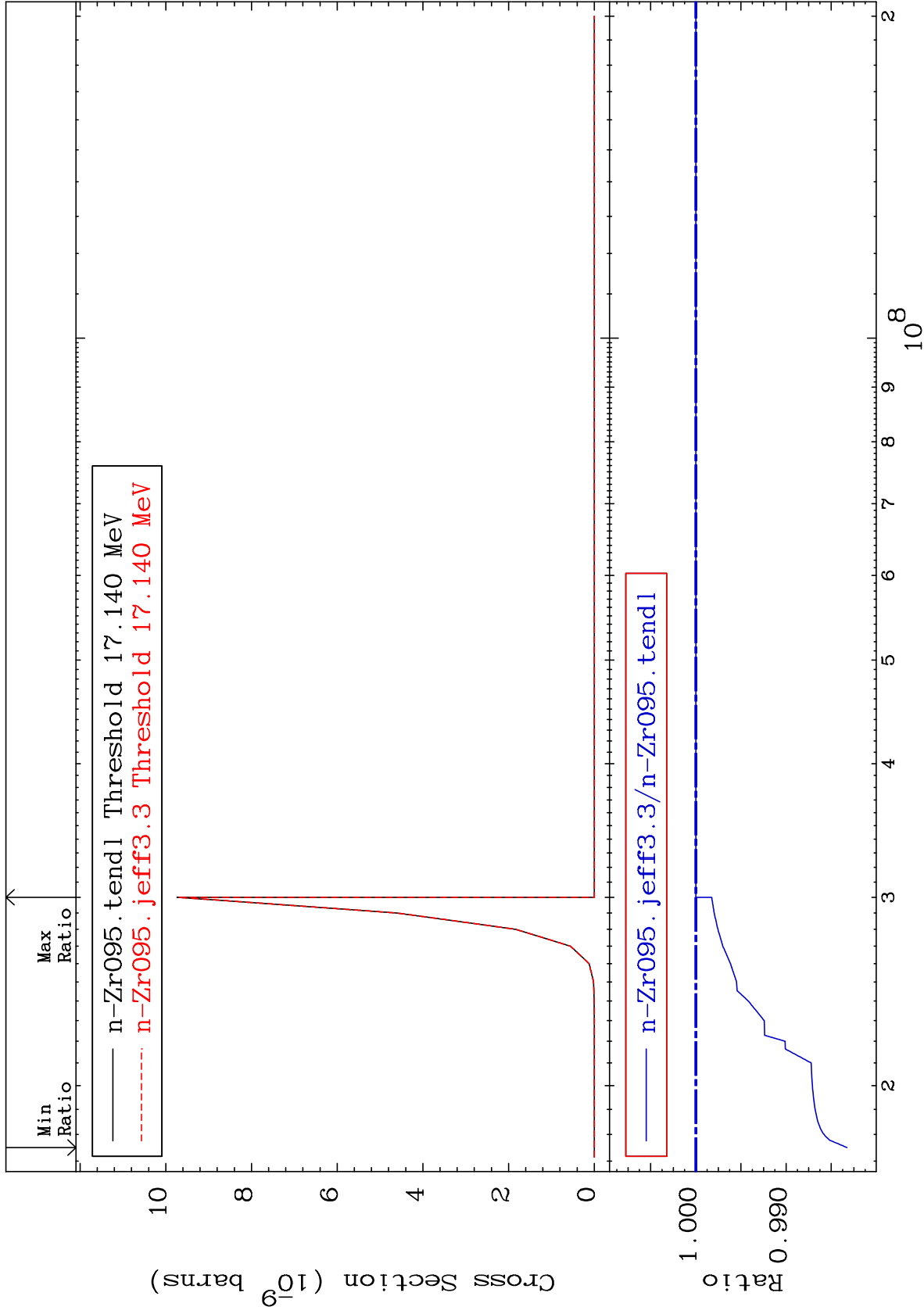
MAT 4040

(n, p) t

40-Zr-95

Cross Section

-1.675 To 0.000 %



61

Incident Energy (eV)

40-Zr-95

MAT 4040

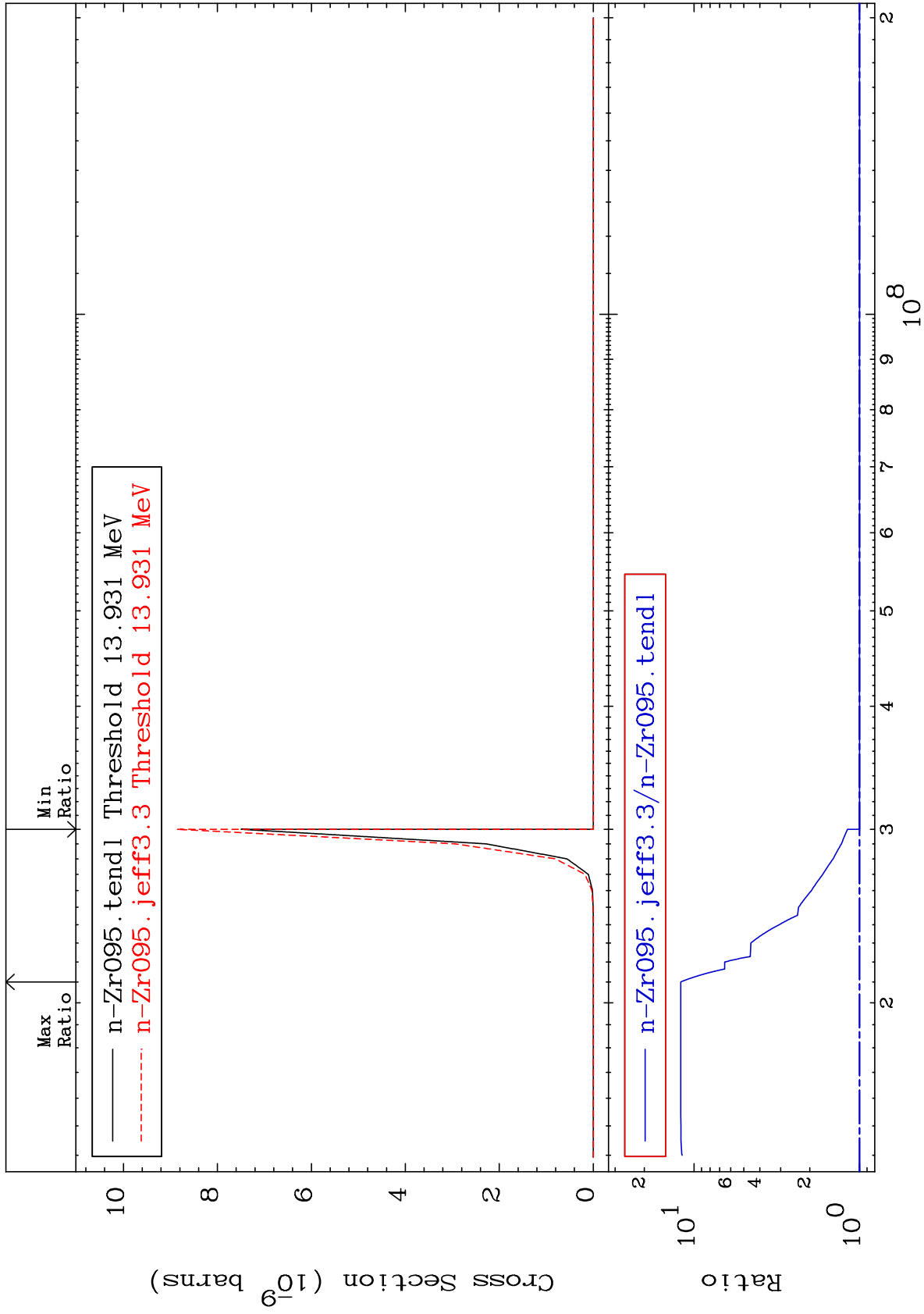
(n, d) α

40-Zr-95

Cross Section

0.000

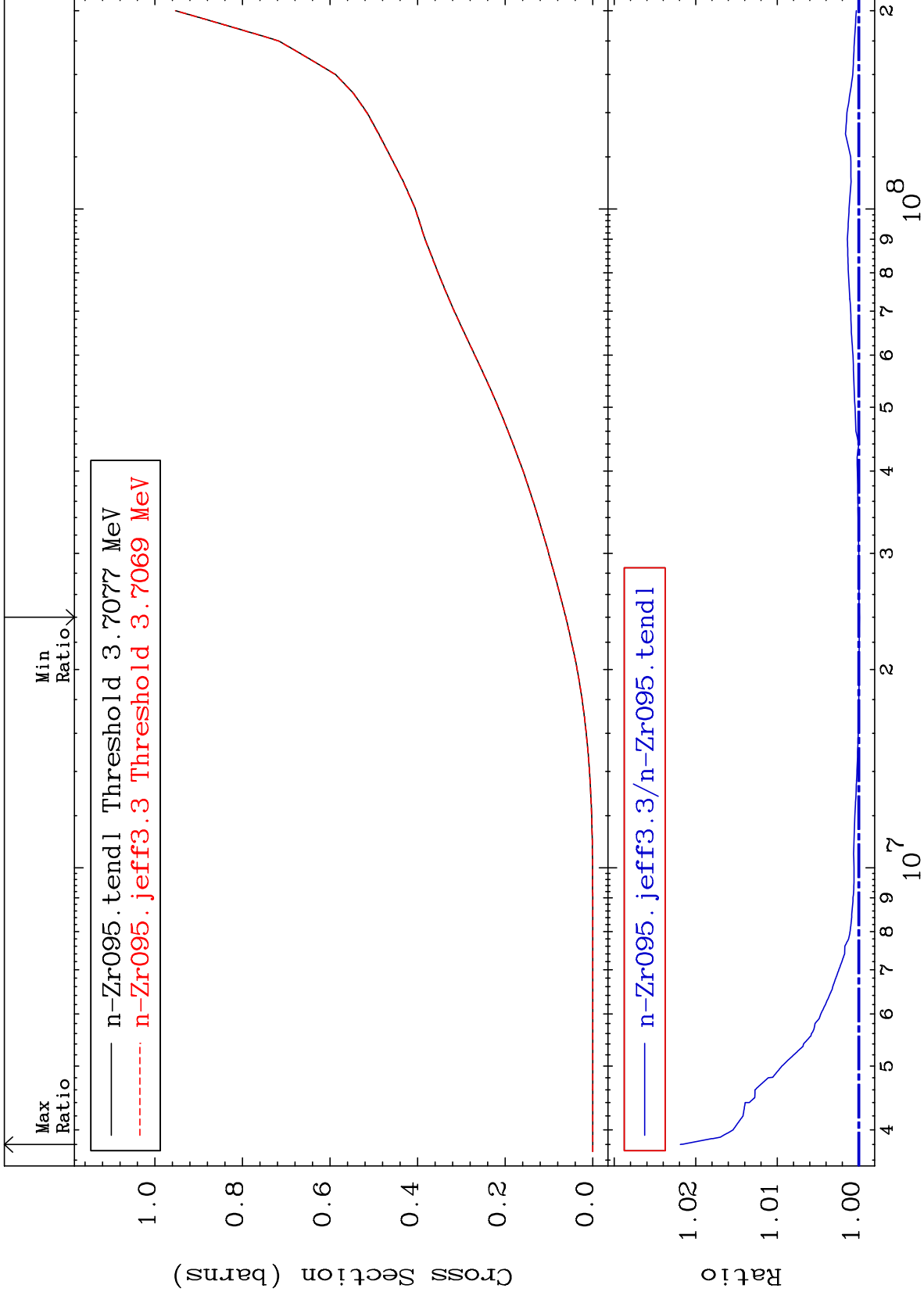
To 1103. %



MAT 4040

Hydrogen Production
Cross Section

40-Zr-95
-0.009 To 2.189 %



63

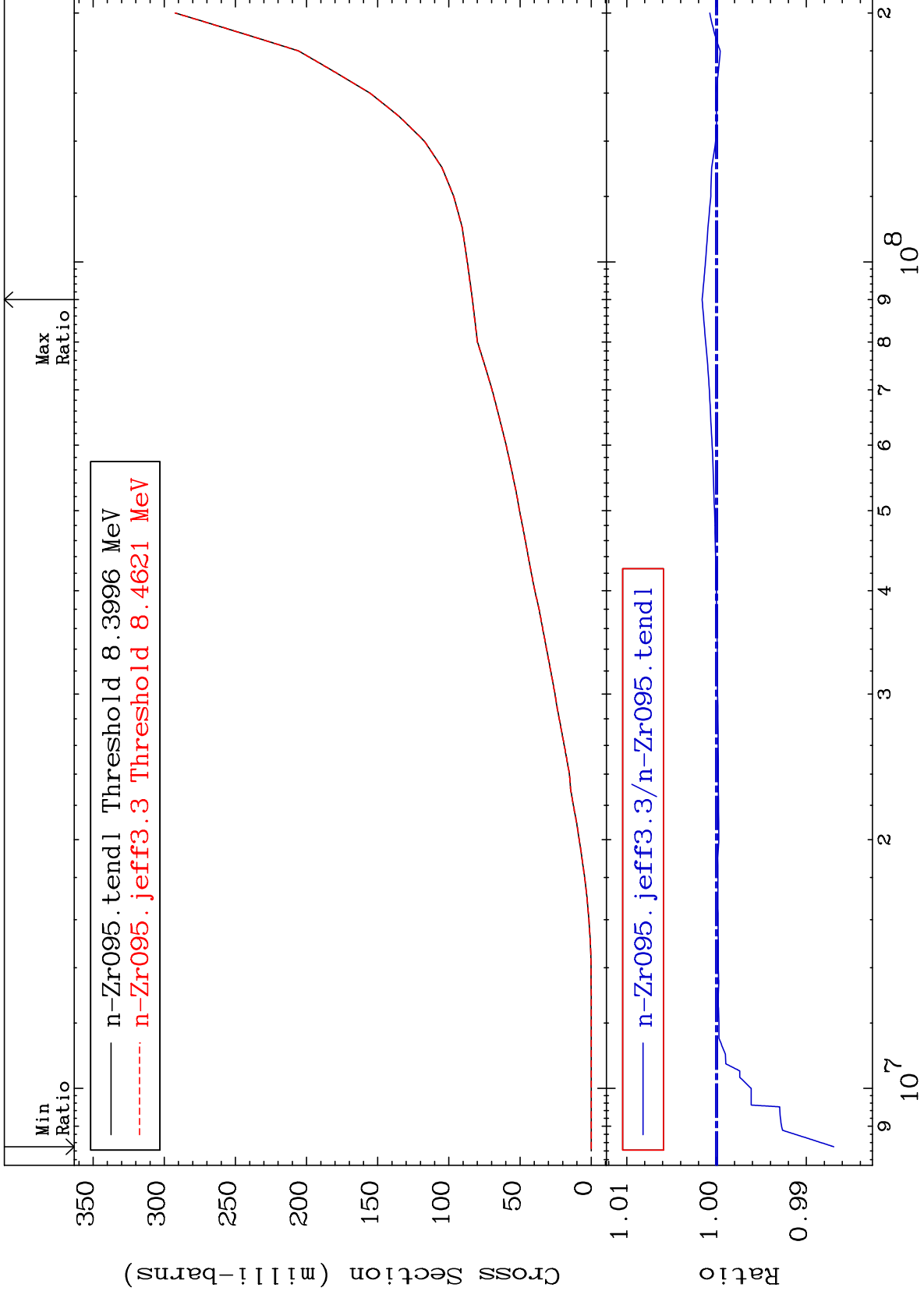
Incident Energy (eV)

40-Zr-95

MAT 4040

Deuterium Production
Cross Section

40-Zr-95
-1.305 To 0.160 %



64

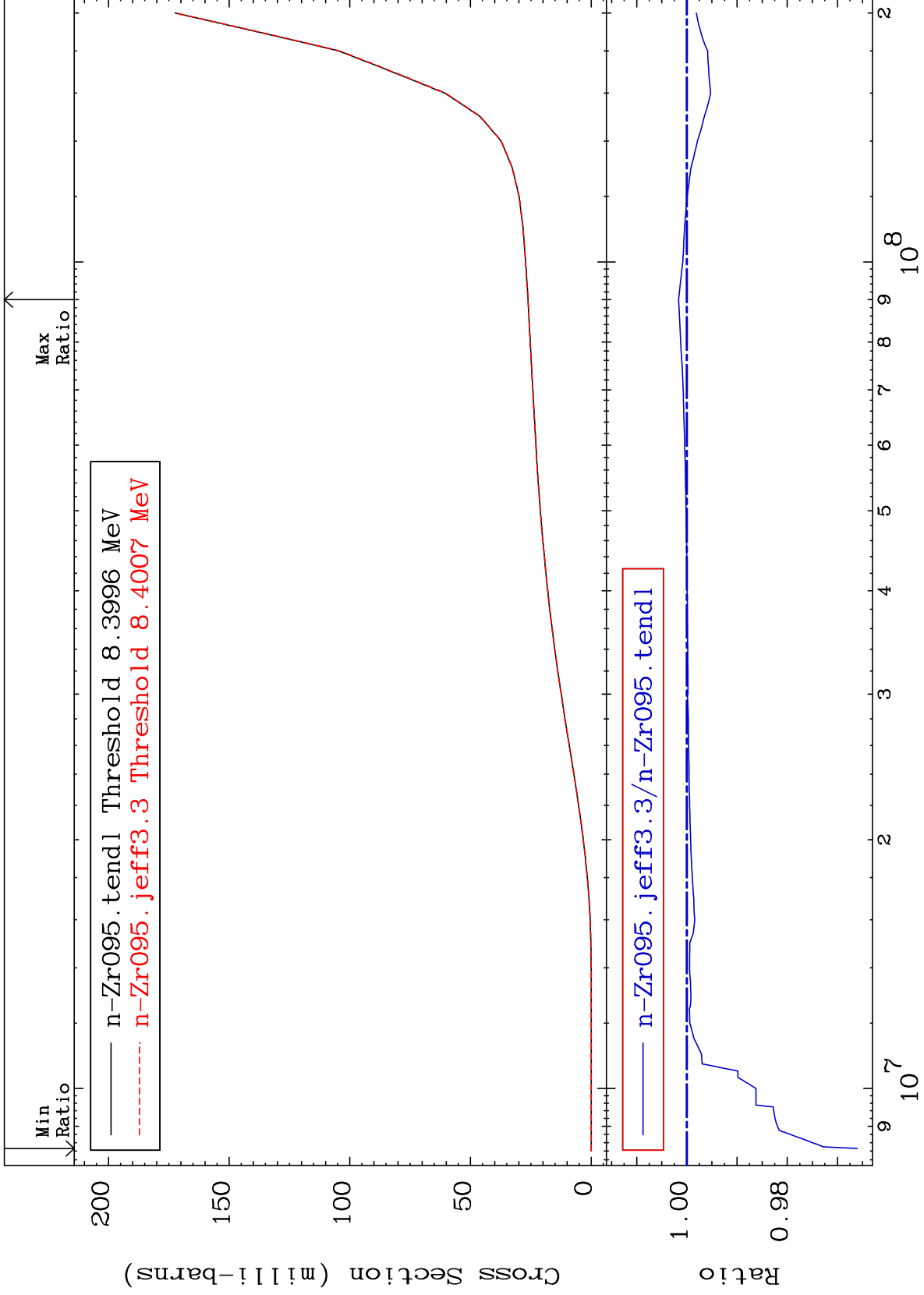
Incident Energy (eV)

40-Zr-95

MAT 4040

Tritium Production
Cross Section

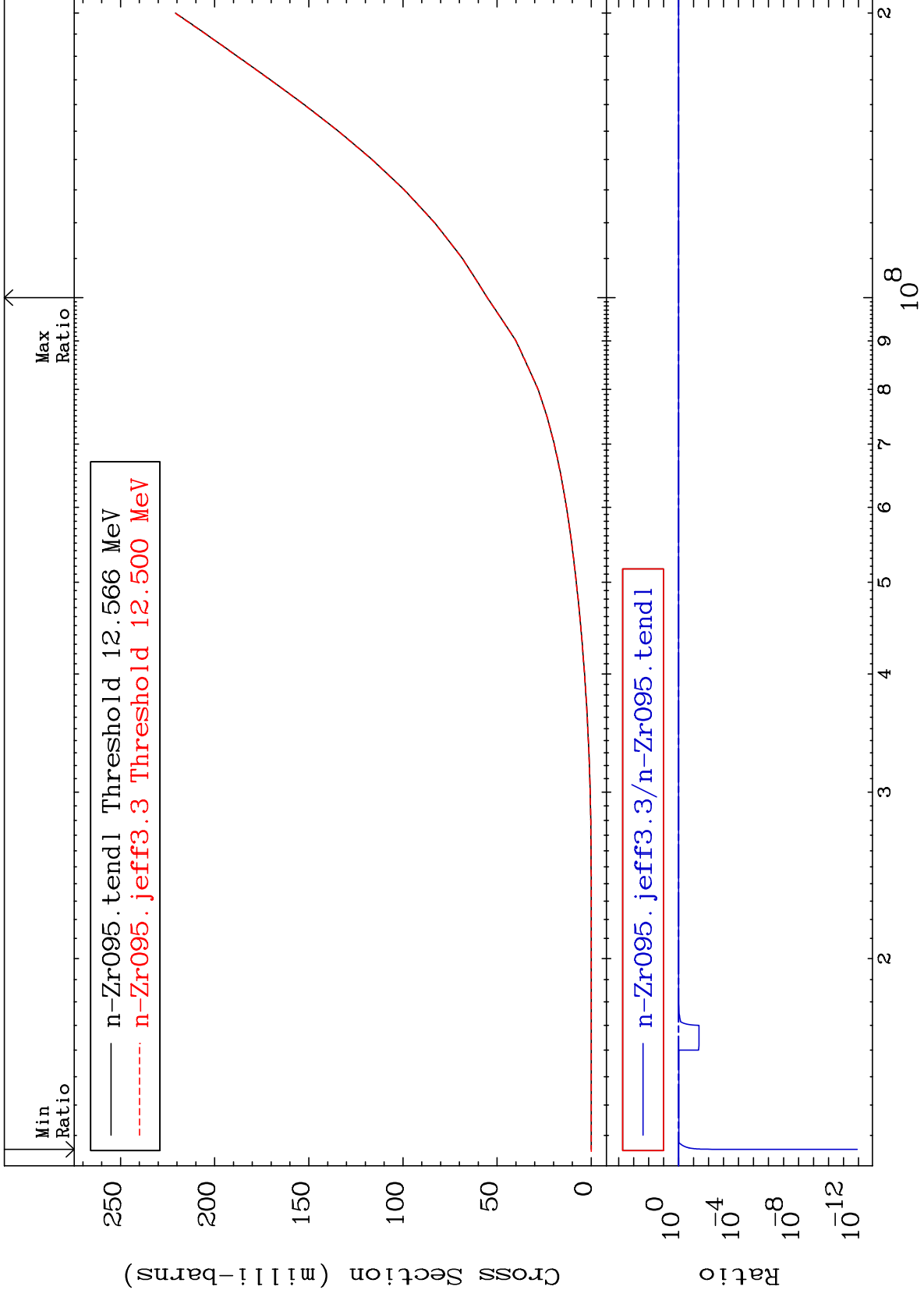
40-Zr-95
-3.396 To 0.164 %



MAT 4040

He-3 Production
Cross Section

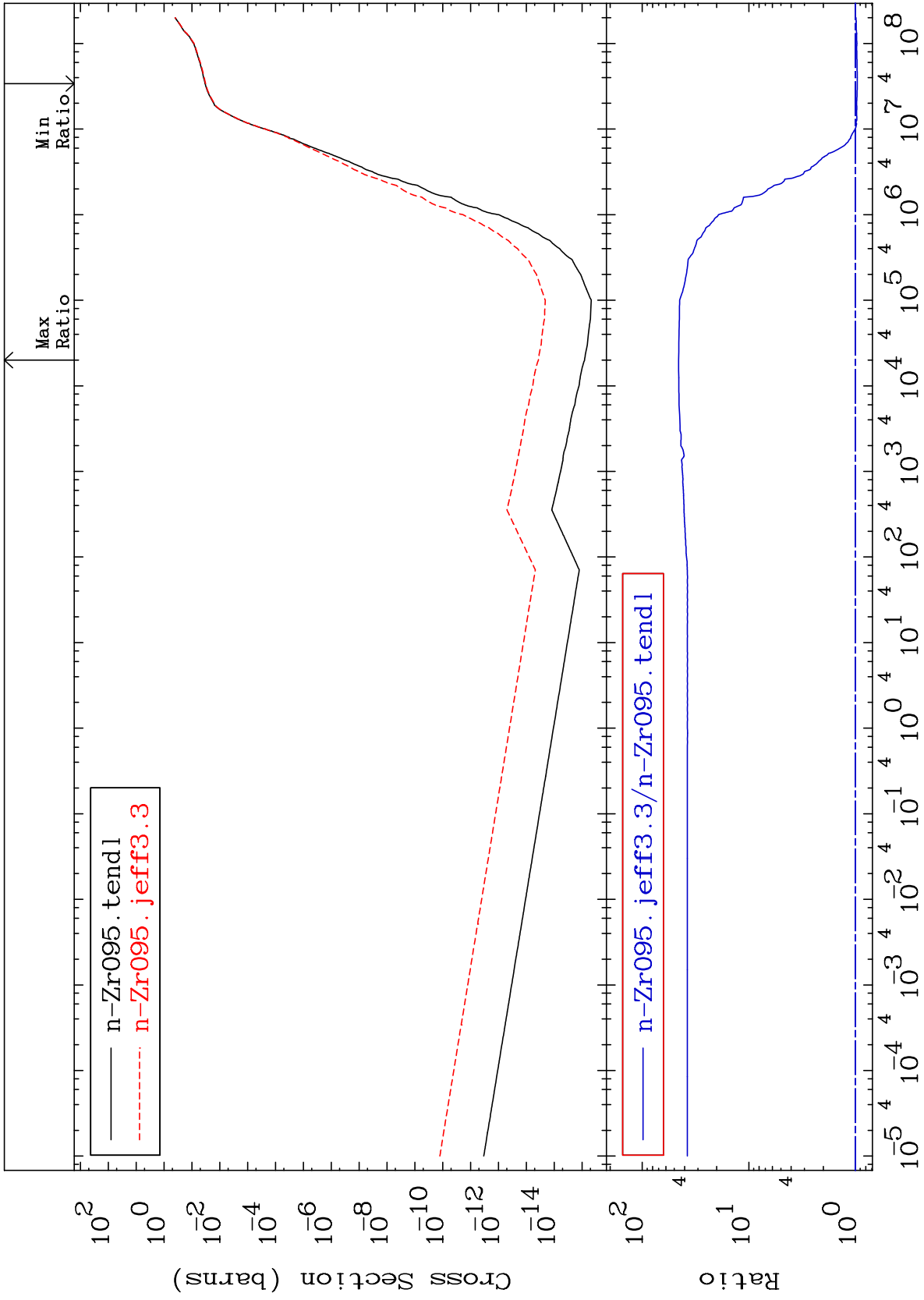
40-Zr-95
-100.0 To 0.113 %

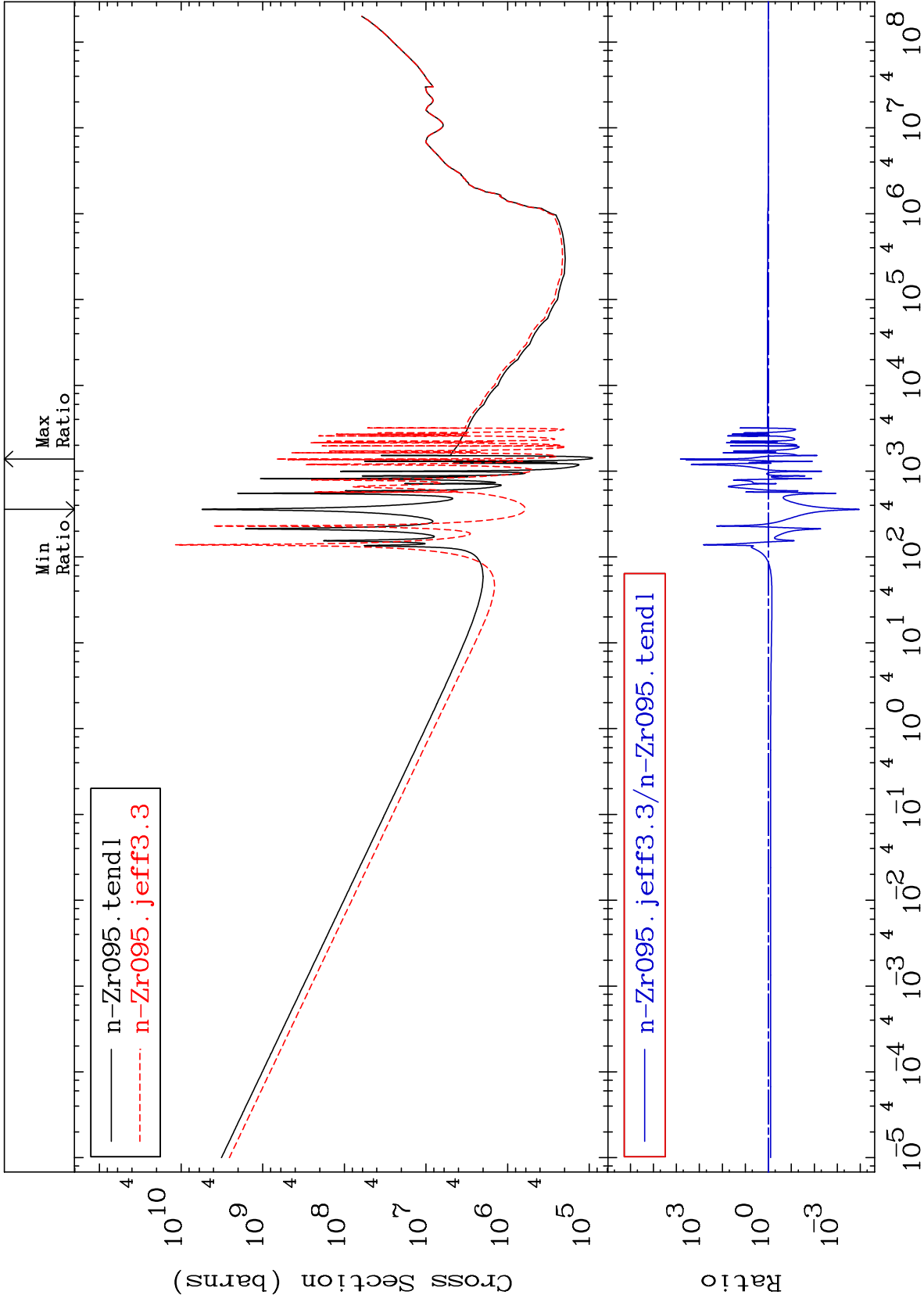


MAT 4040

He-4 Production
Cross Section

40-Zr-95
-4.000 To 4453. %

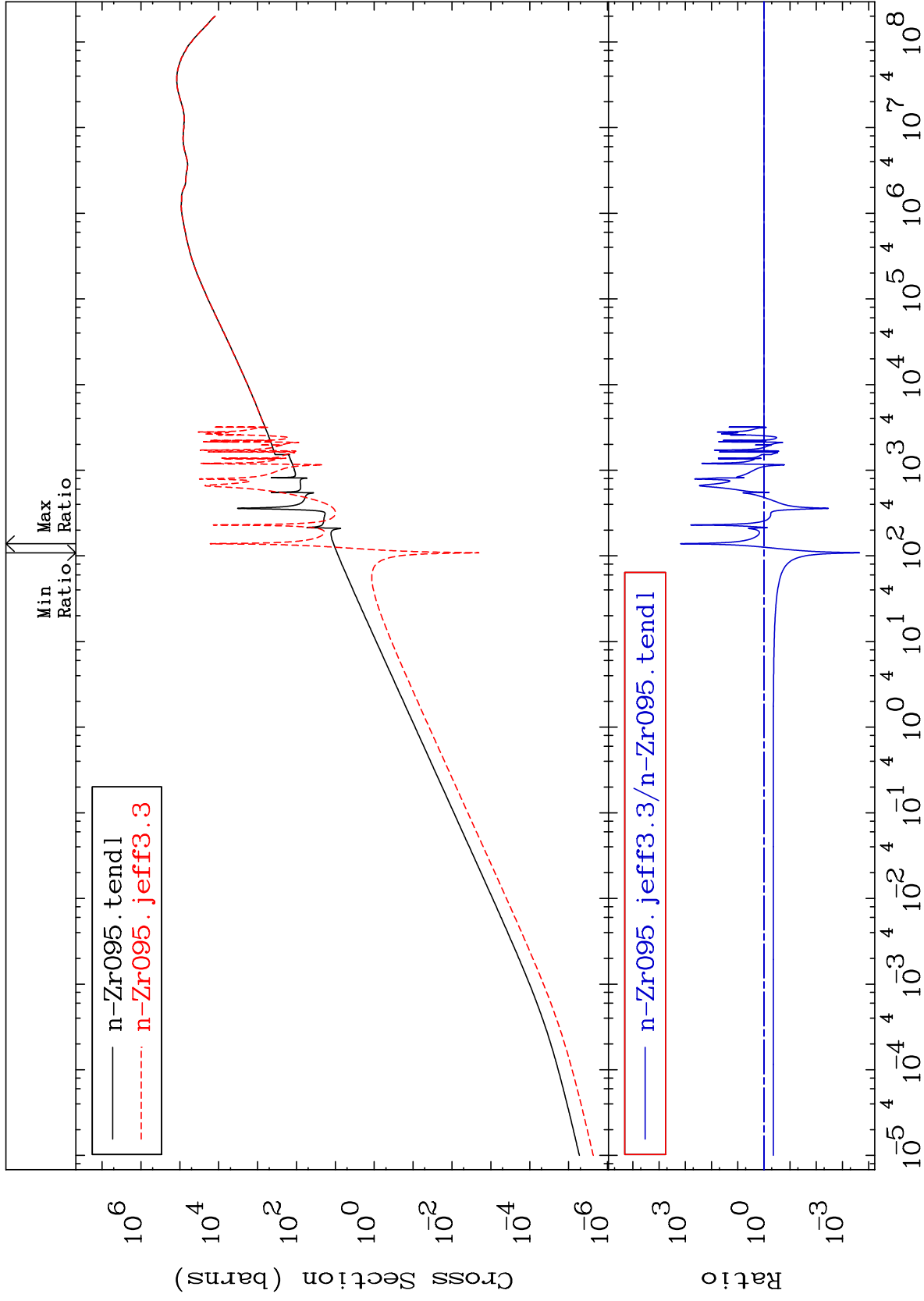




MAT 4040

Kerma elastic
Cross Section

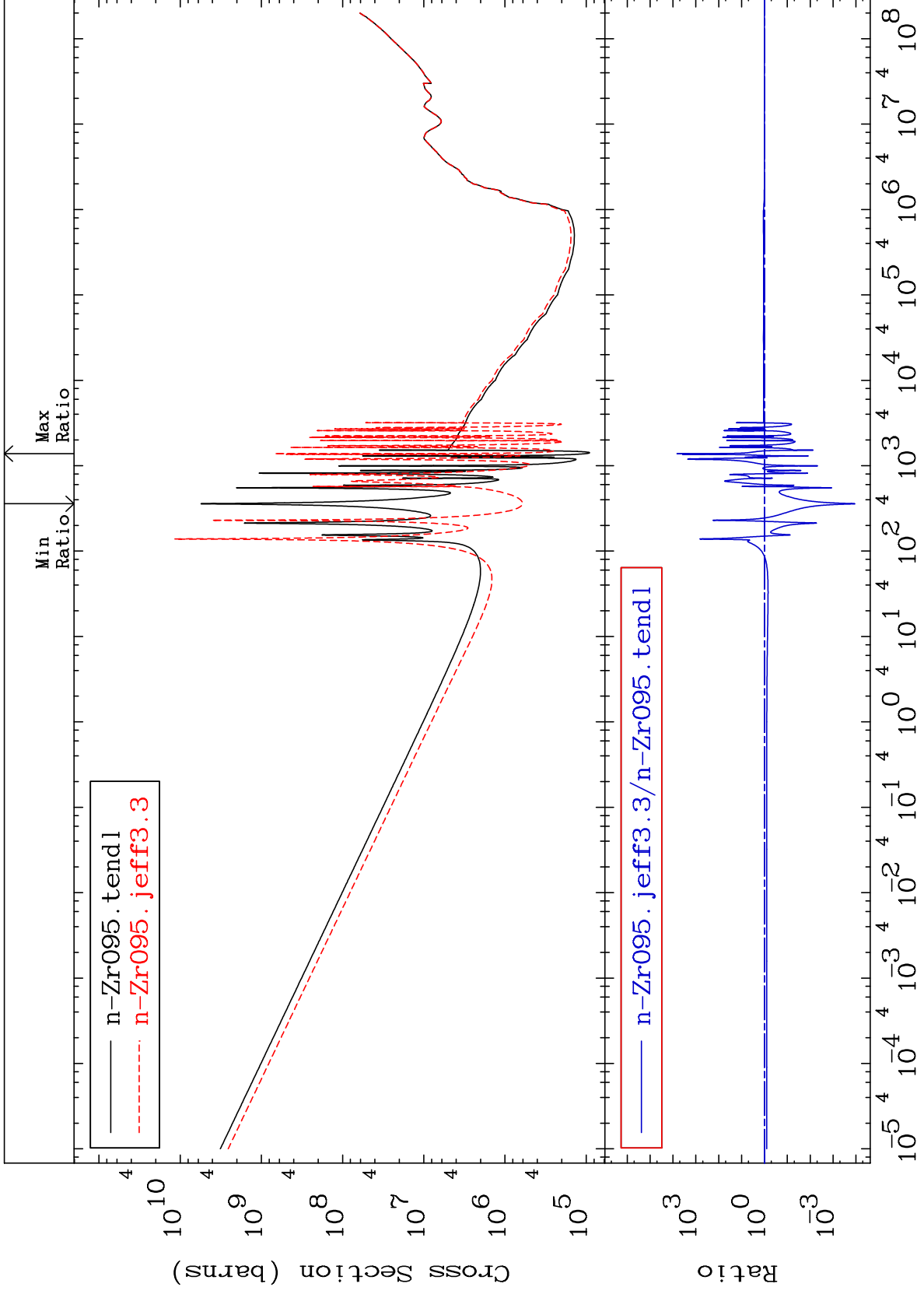
40-Zr-95
-99.98 To 9999. %



MAT 4040

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-95
-99.99 To 9999. %



70

Incident Energy (eV)

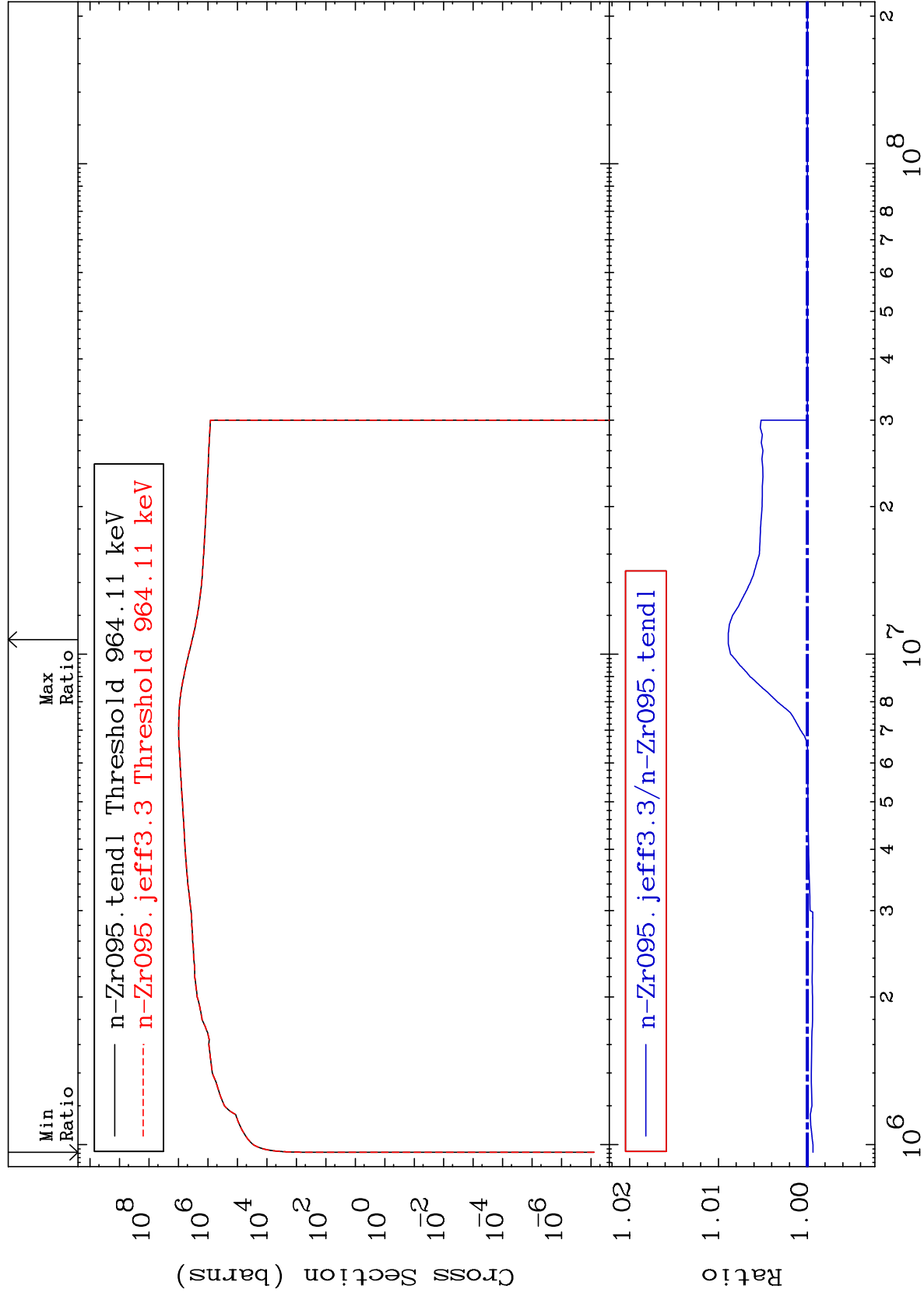
40-Zr-95

MAT 4040

Kerma inelastic (mt51-91)

40-Zr-95

-0.063 To 0.891 %



71

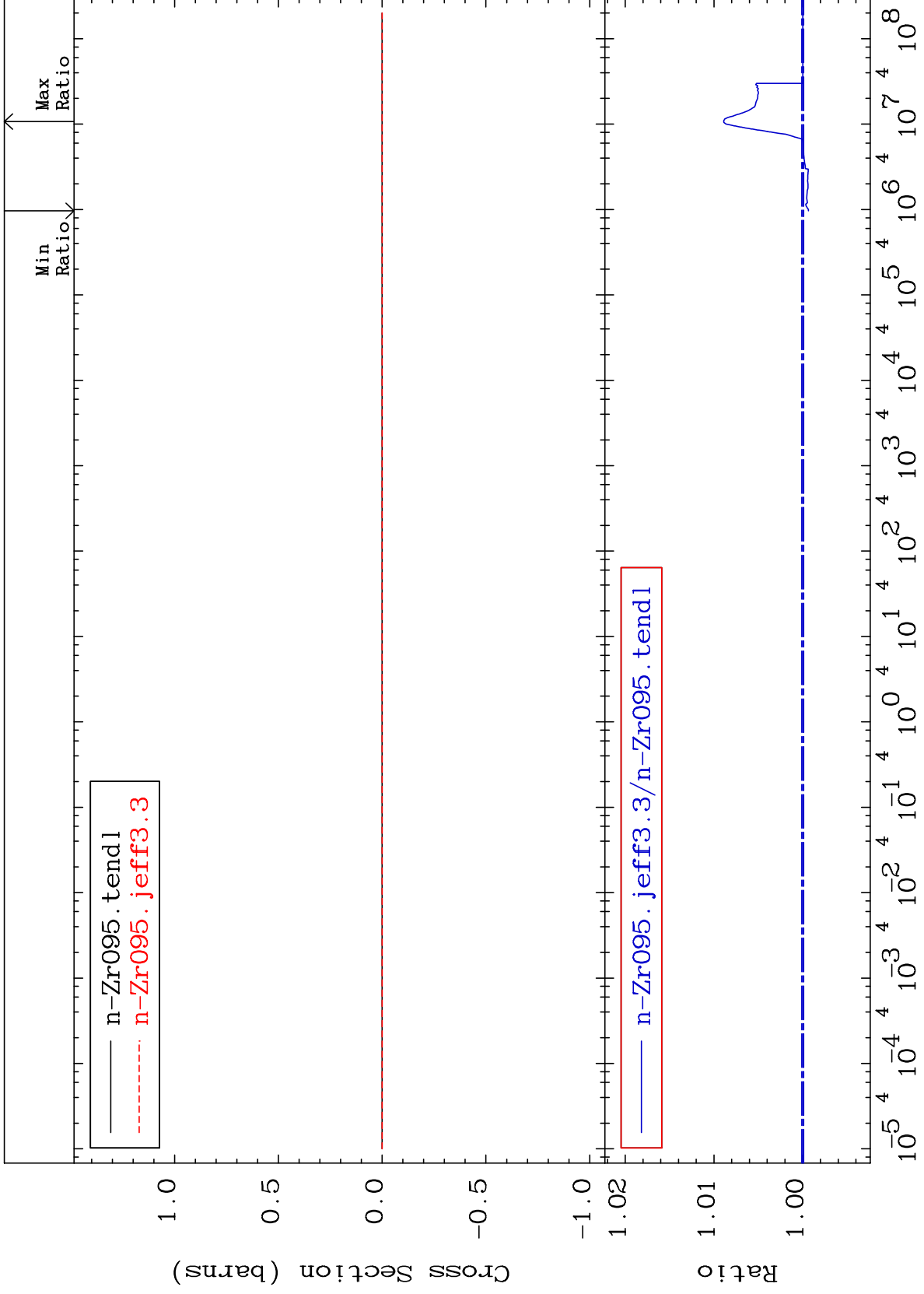
Incident Energy (eV)

40-Zr-95

MAT 4040

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

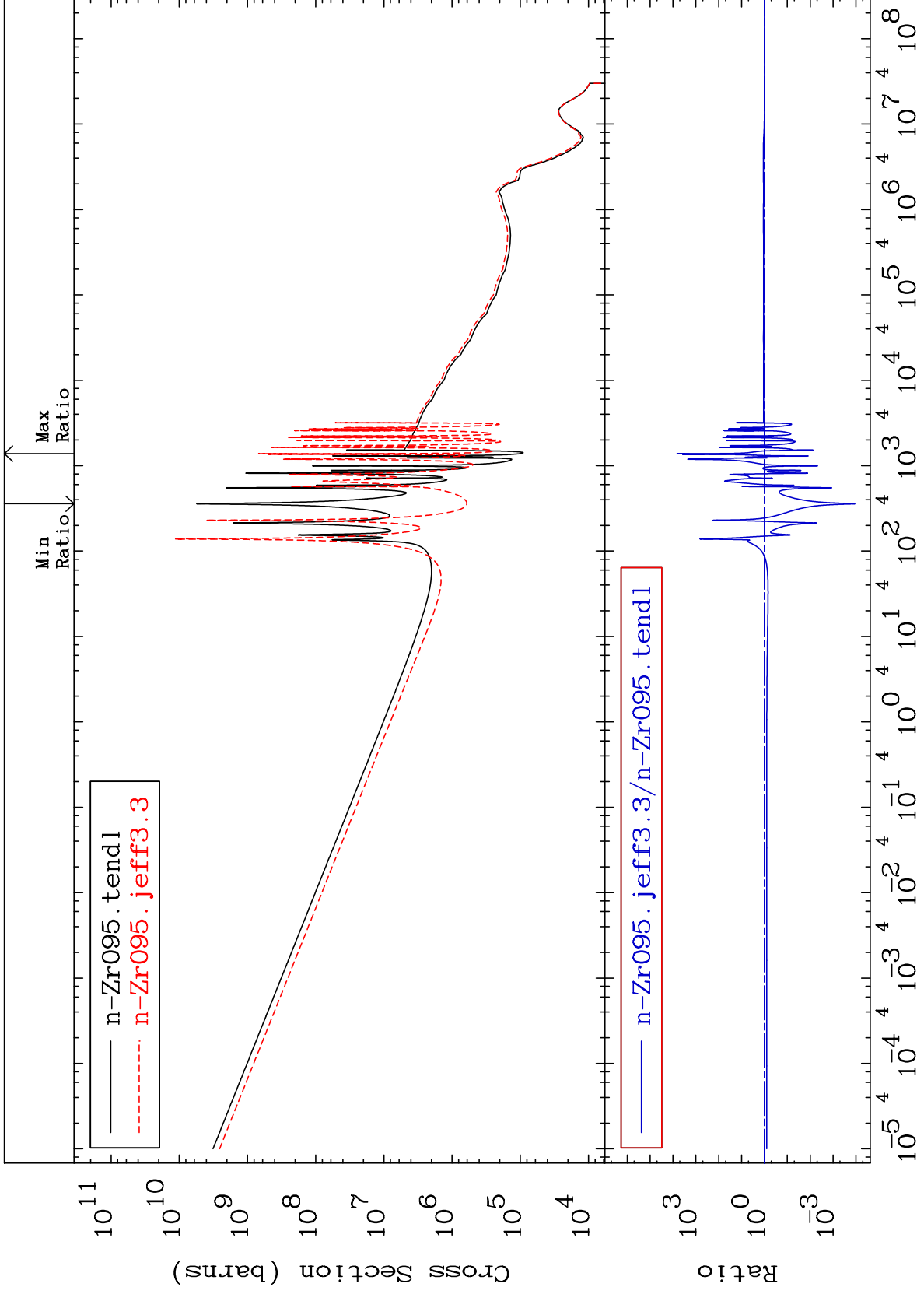
40-Zr-95
-0.063 To 0.891 %



MAT 4040

Kerma capture (mt102)
Cross Section

40-Zr-95
-99.99 To 9999. %



73

Incident Energy (eV)

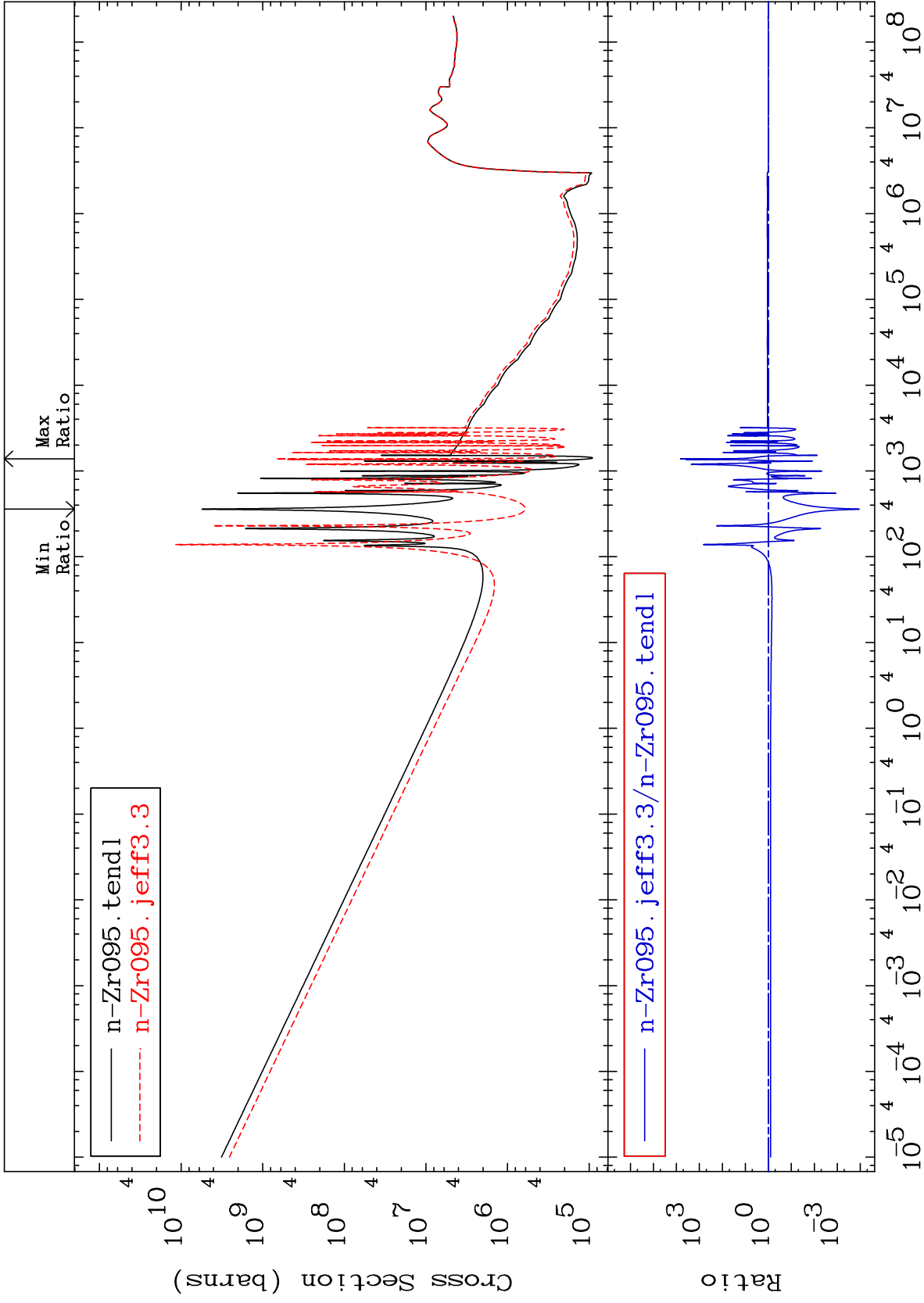
40-Zr-95

MAT 4040

Total photon (eV-barns)
Cross Section

40-Zr-95

-99.99 To 9999. %



74

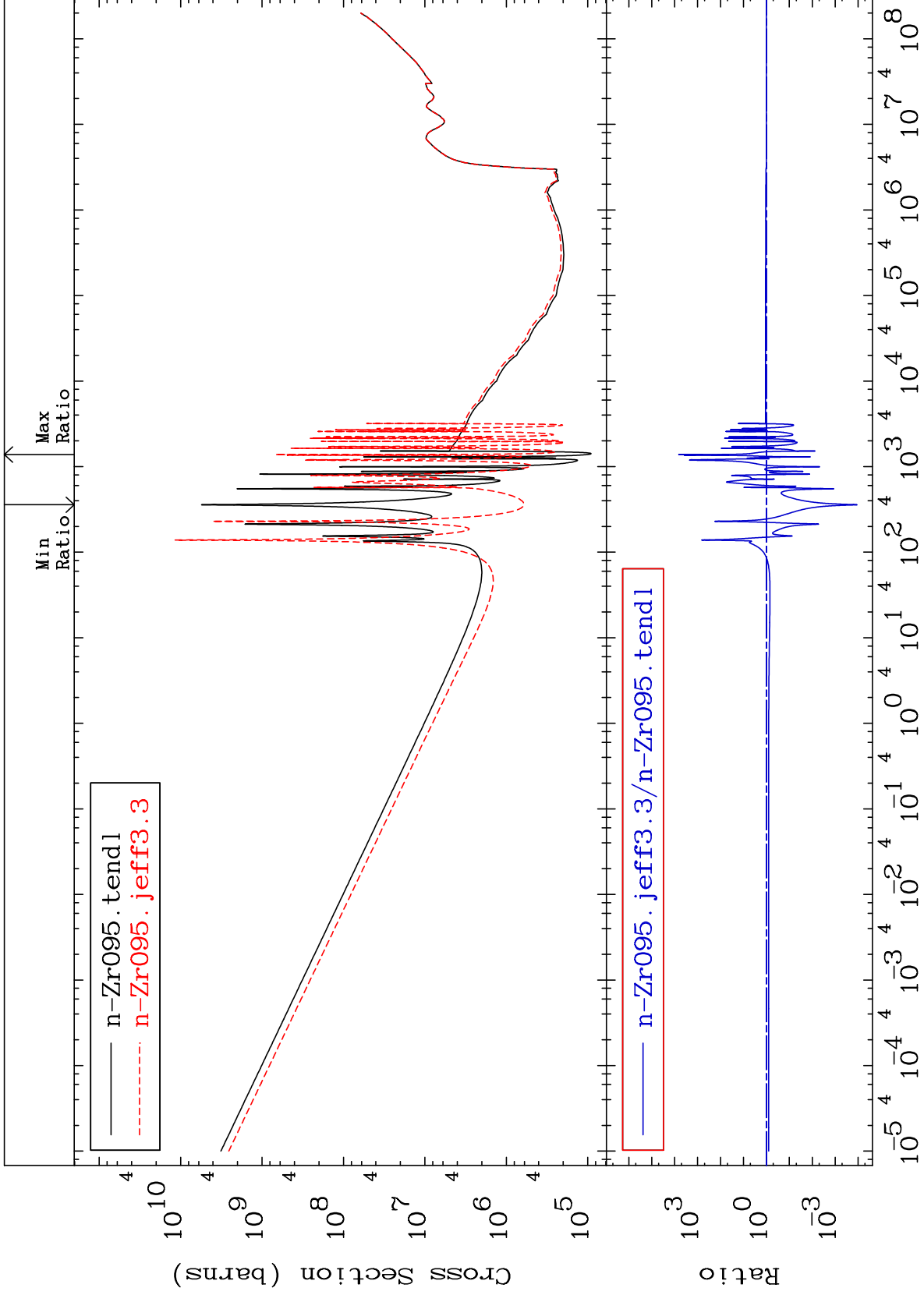
Incident Energy (eV)

40-Zr-95

MAT 4040

Total kinematic kerma (high limit)
Cross Section

40-Zr-95
-99.99 To 9999. %



75

Incident Energy (eV)

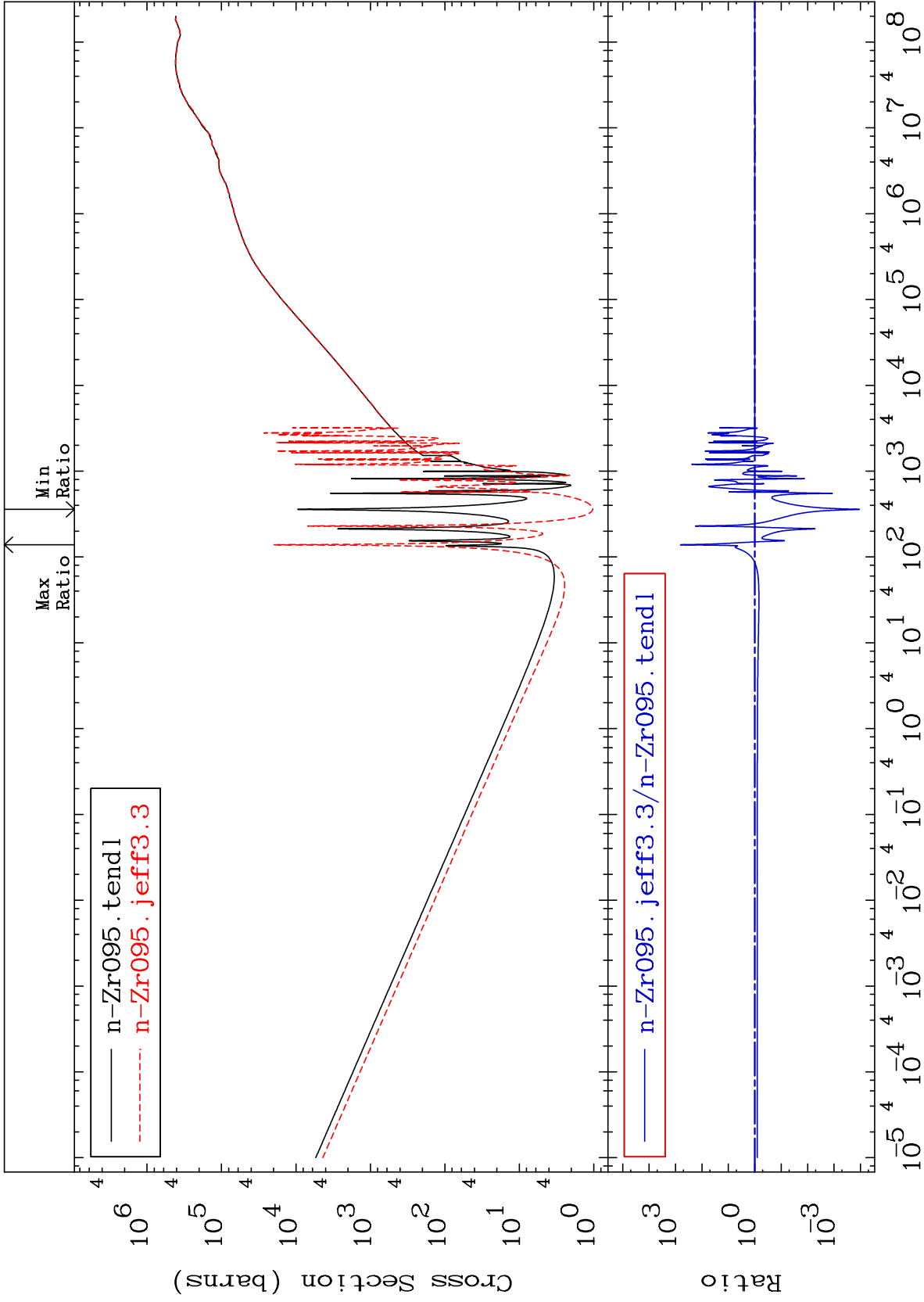
40-Zr-95

MAT 4040

Dpa total (eV-barns)

40-Zr-95

-99.99 To 9999. %



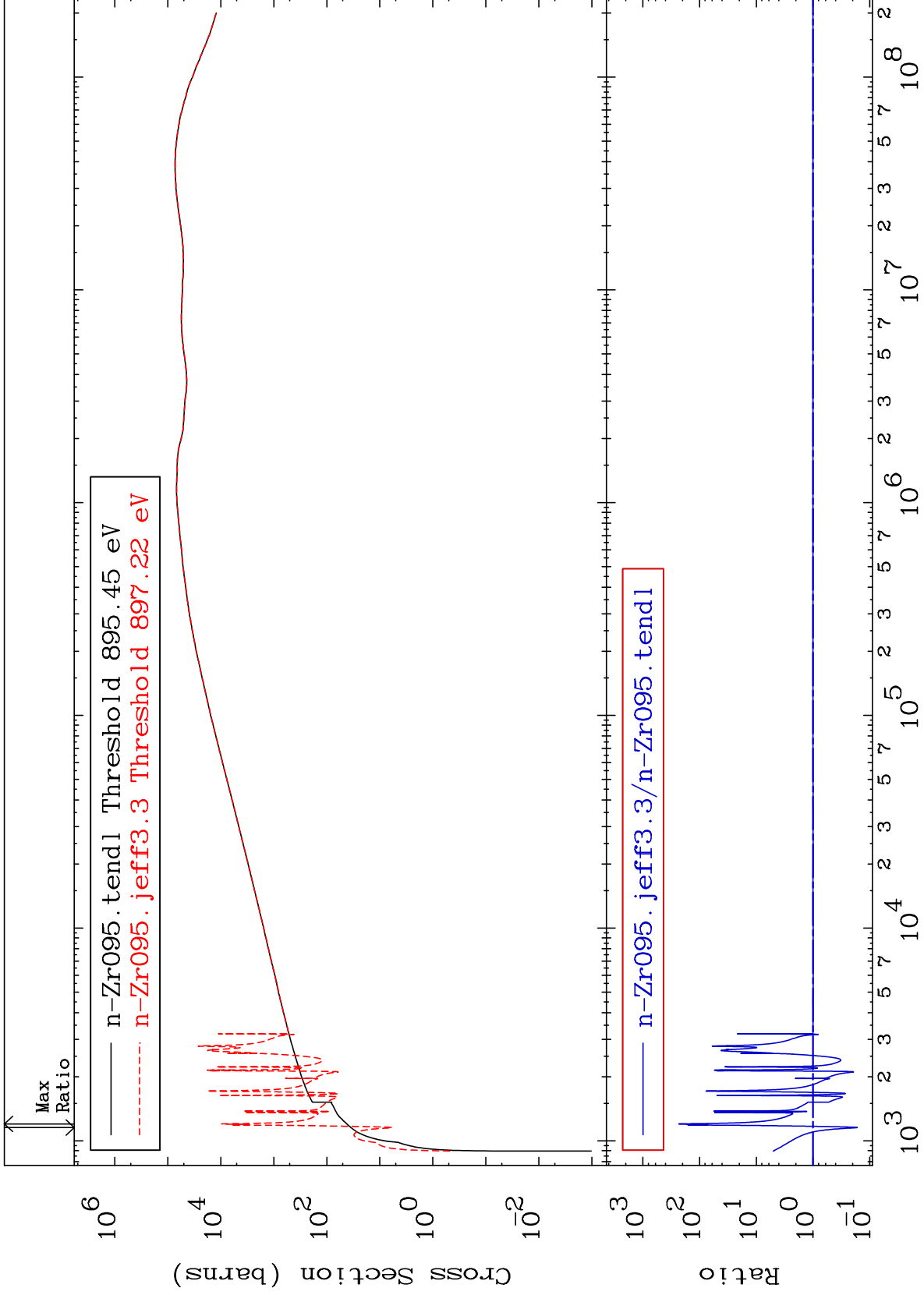
76

40-Zr-95

MAT 4040

Dpa elastic (mt2)
Cross Section

40-Zr-95
-83.39 To 9999. %



77

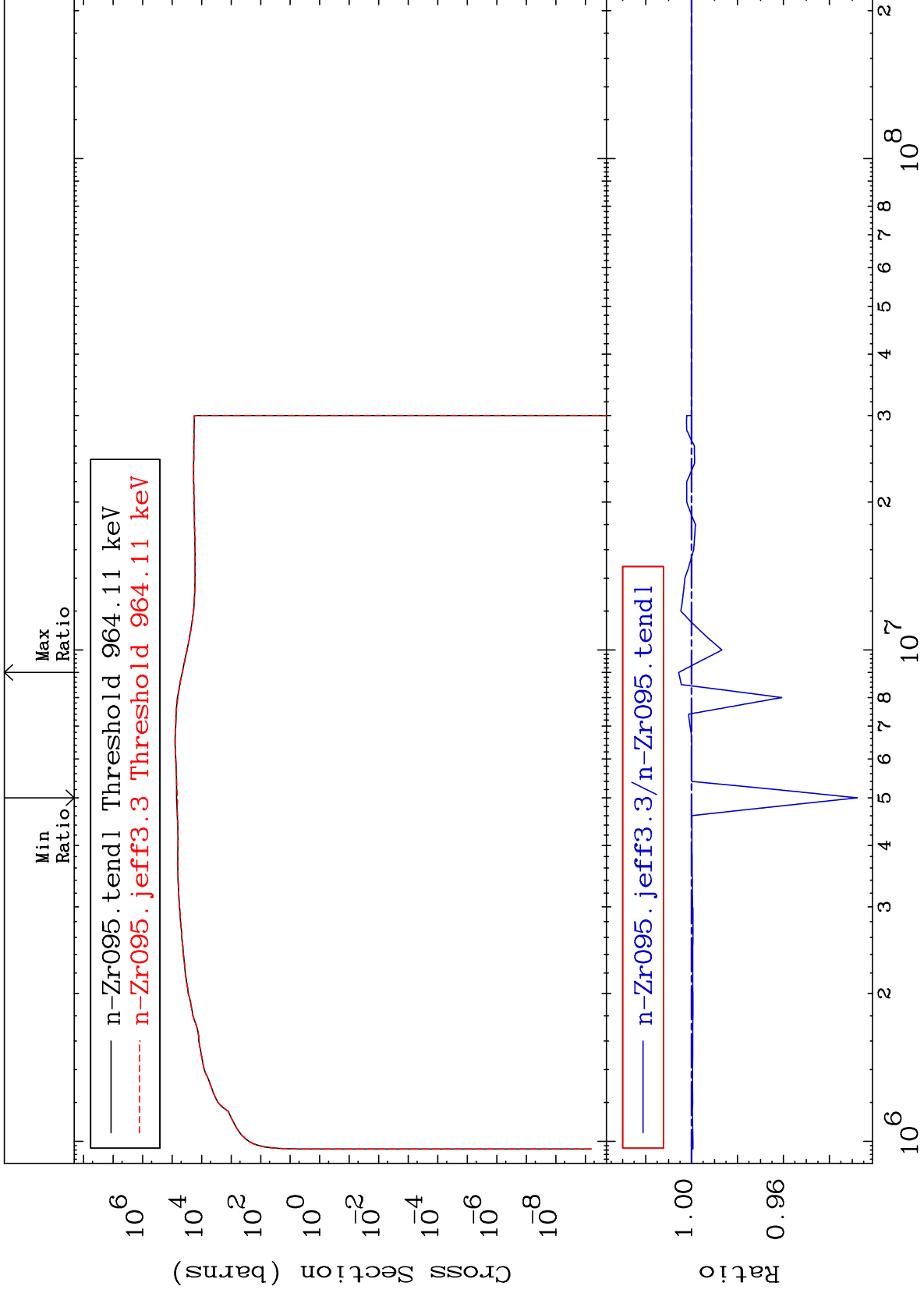
Incident Energy (eV)

40-Zr-95

MAT 4040

Dpa inelastic (mt51-91)
Cross Section

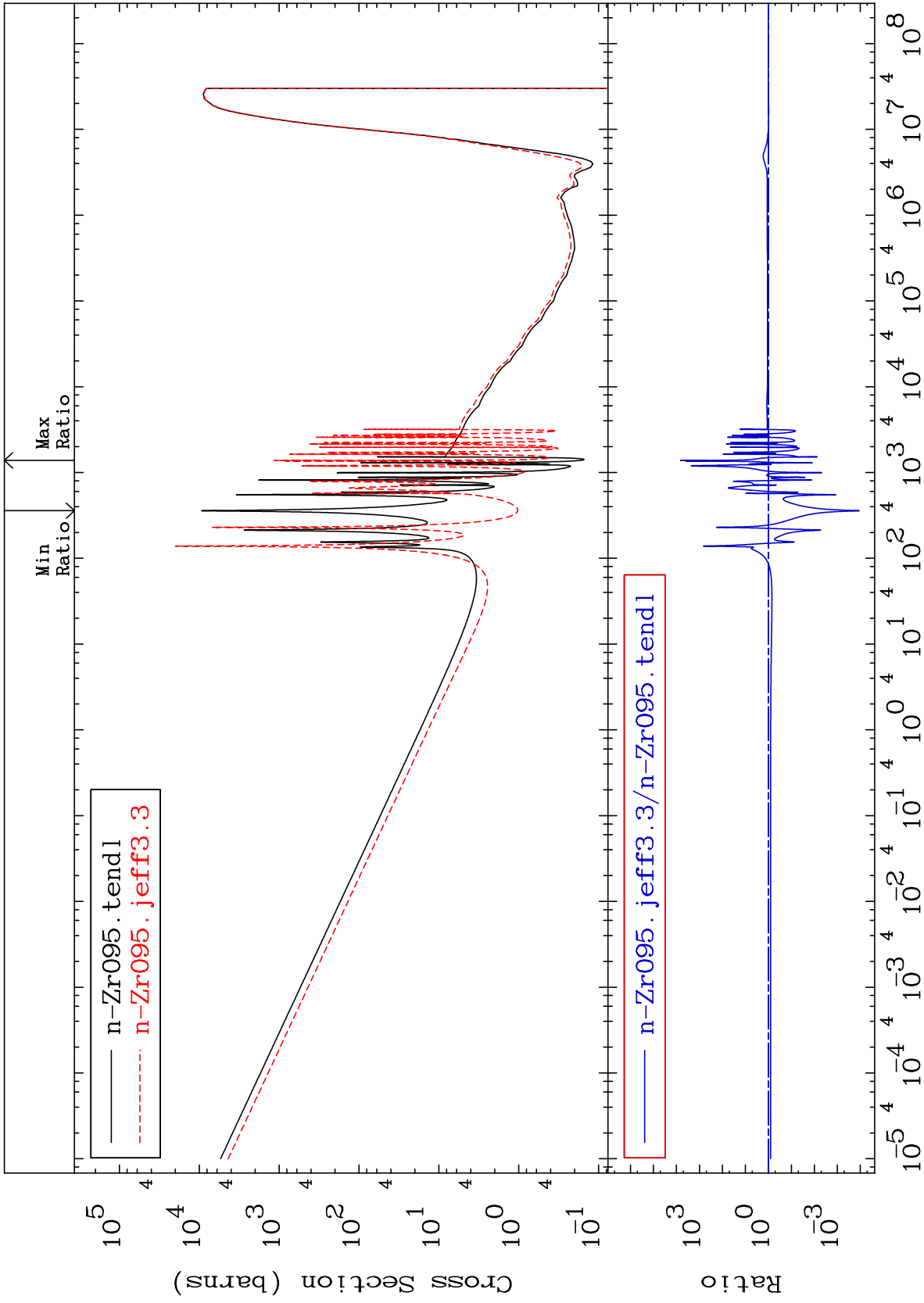
40-Zr-95
-7.215 To 0.563 %



78

Incident Energy (eV)

40-Zr-95

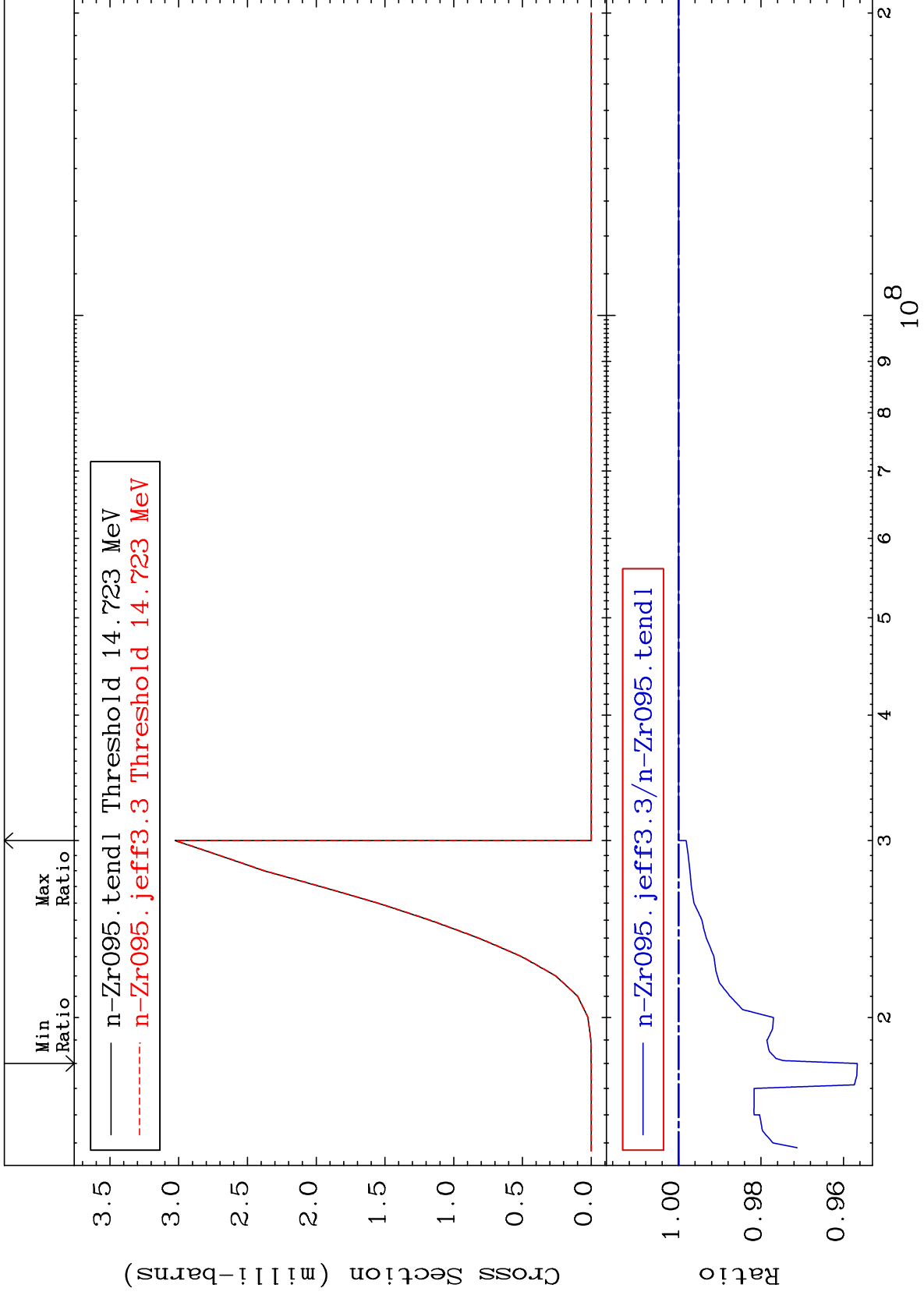


MAT 4040

(n, n') d:39-Y -93g

40-Zr-95

Radionuclide Production Cross Section -4.336 To 0.000 %



80

Incident Energy (eV)

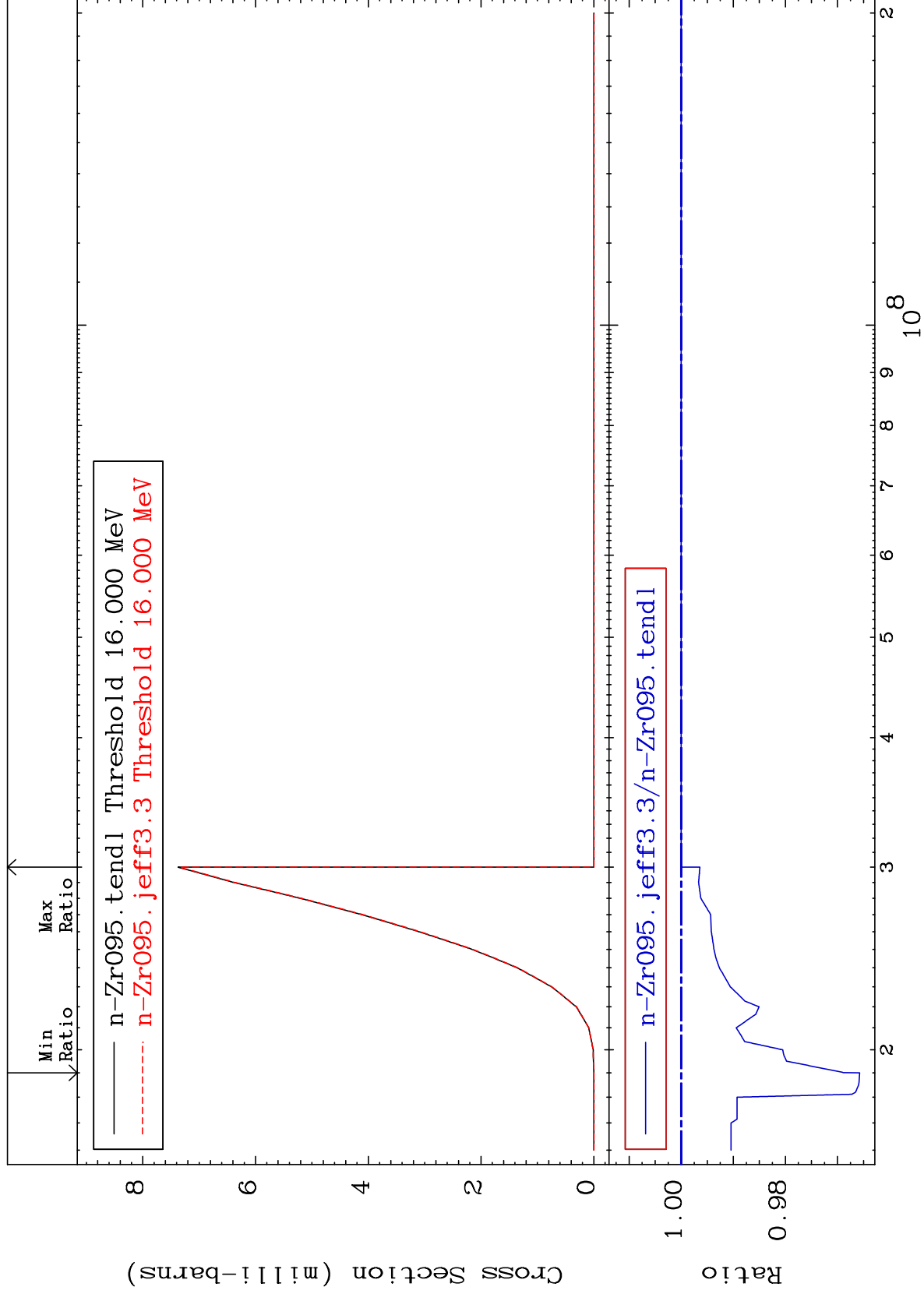
40-Zr-95

MAT 4040

(n,n') d:39-Y -93m2

40-Zr-95

Radionuclide Production Cross Section -3.426 To 0.000 %



81

Incident Energy (eV)

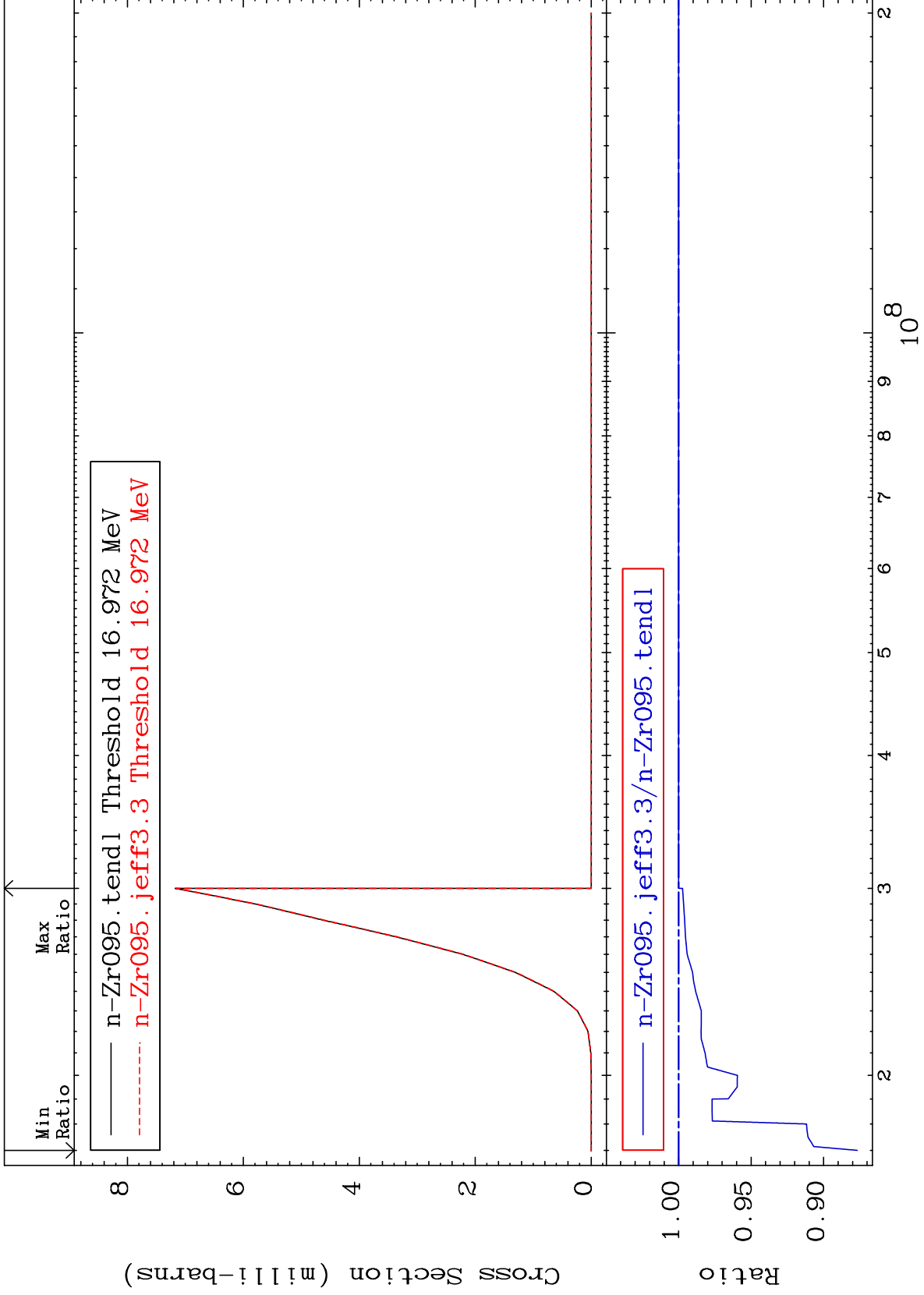
40-Zr-95

MAT 4040

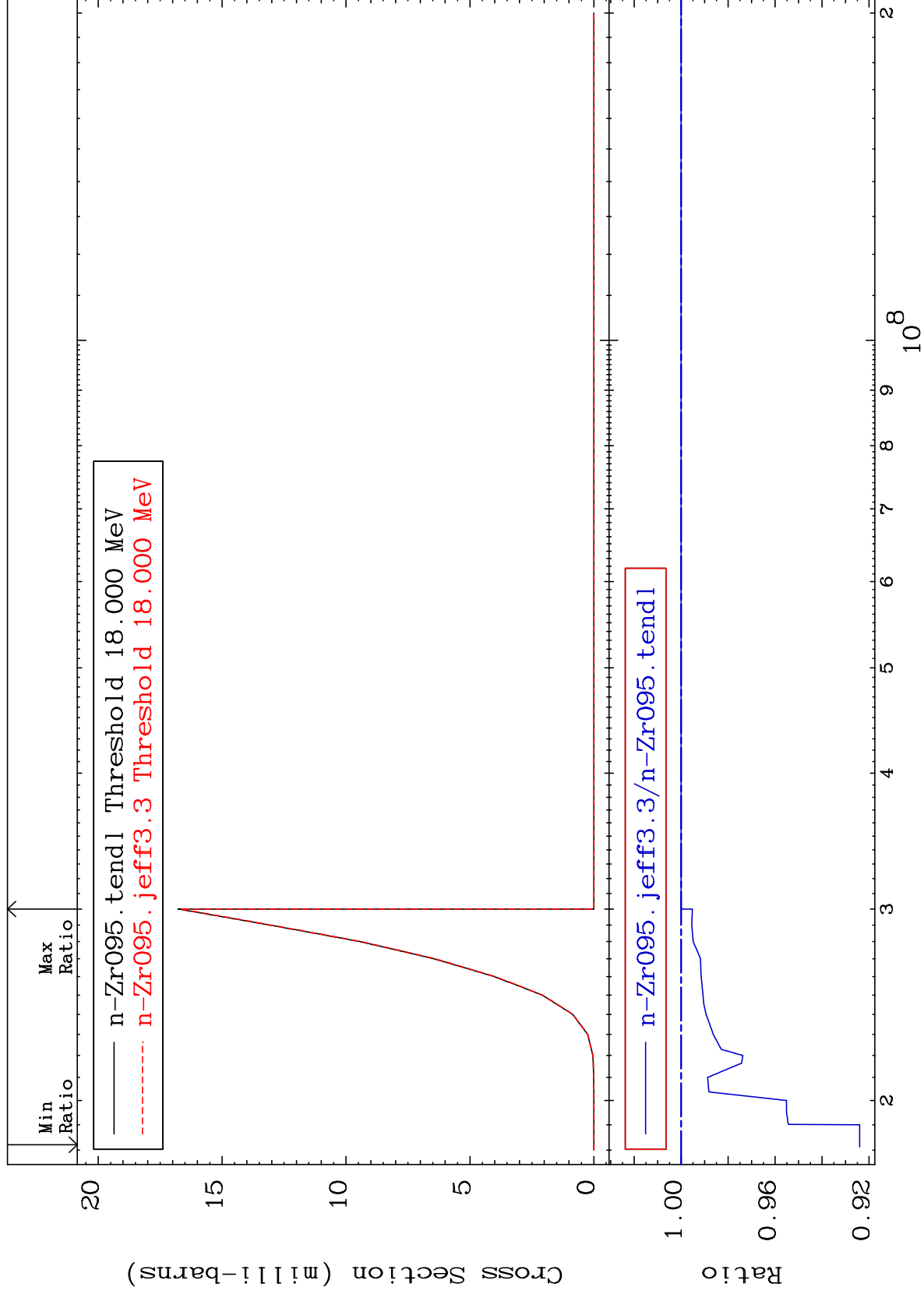
(n,2n) p:39-Y -93g

40-Zr-95

Radionuclide Production Cross Section -12.32 To 0.000 %



Radionuclide Production Cross Section -7.599 To 0.000 %

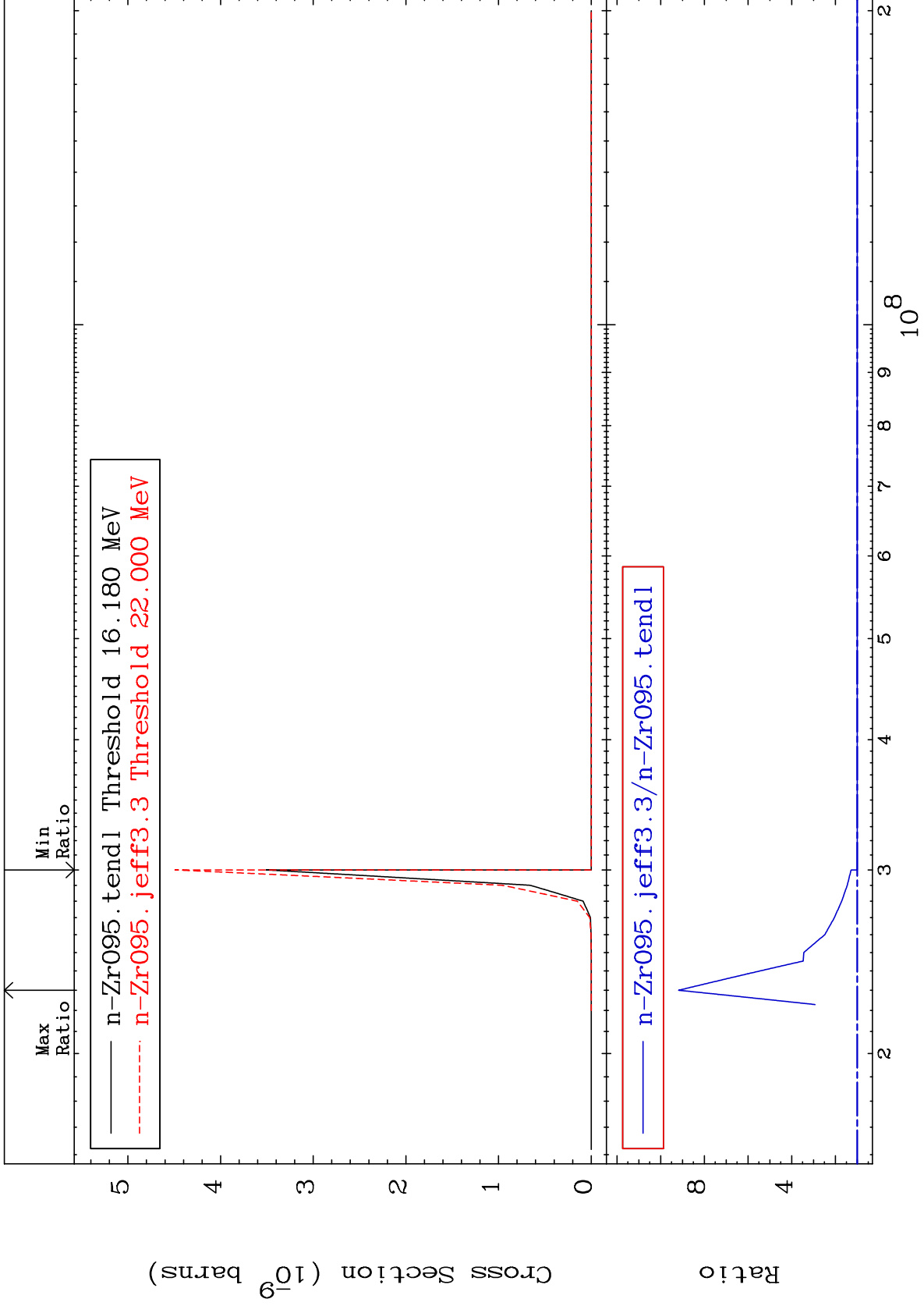


MAT 4040

(n,n') p α :37-Rb-90g

40-Zr-95

Radionuclide Production Cross Section 0.000 To 817.6 %

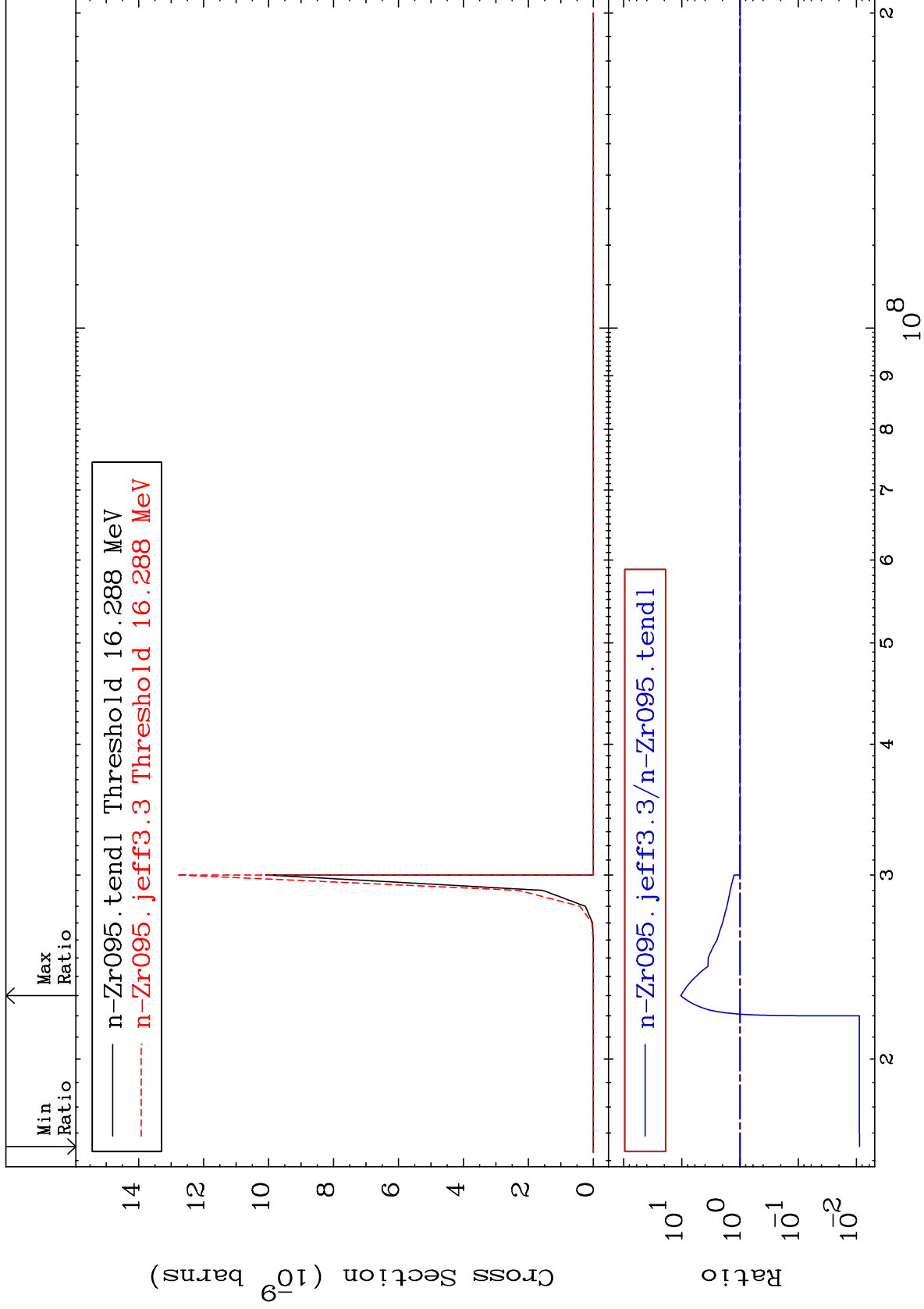


MAT 4040

(n, n') p α :37-Rb-90m1

40-Zr-95

Radionuclide Production Cross Section -99.11 To 944.3 %



85

Incident Energy (eV)

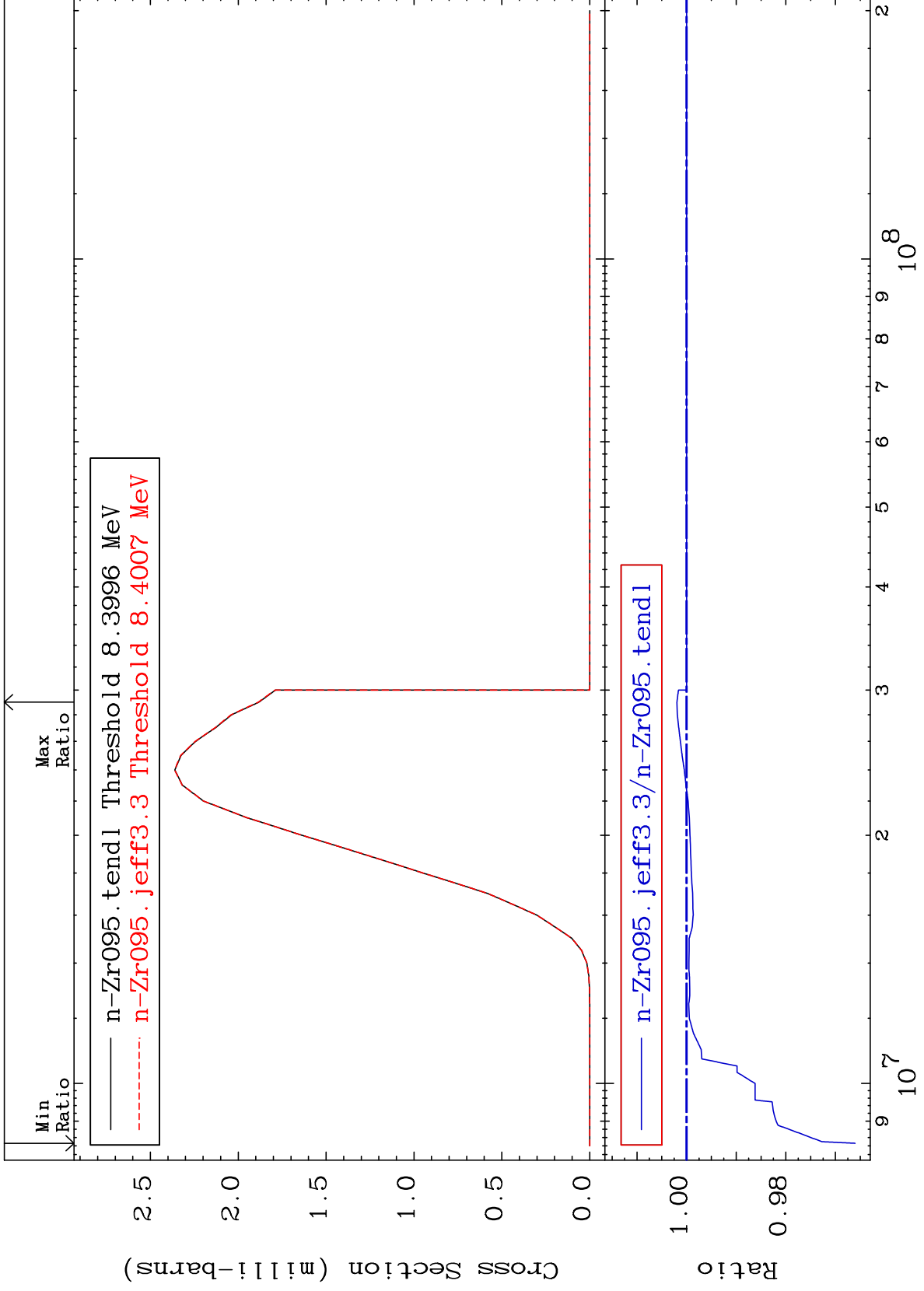
40-Zr-95

MAT 4040

(n, t):39-Y -93g

40-Zr-95

Radionuclide Production Cross Section -3.396 To 0.195 %



86

Incident Energy (eV)

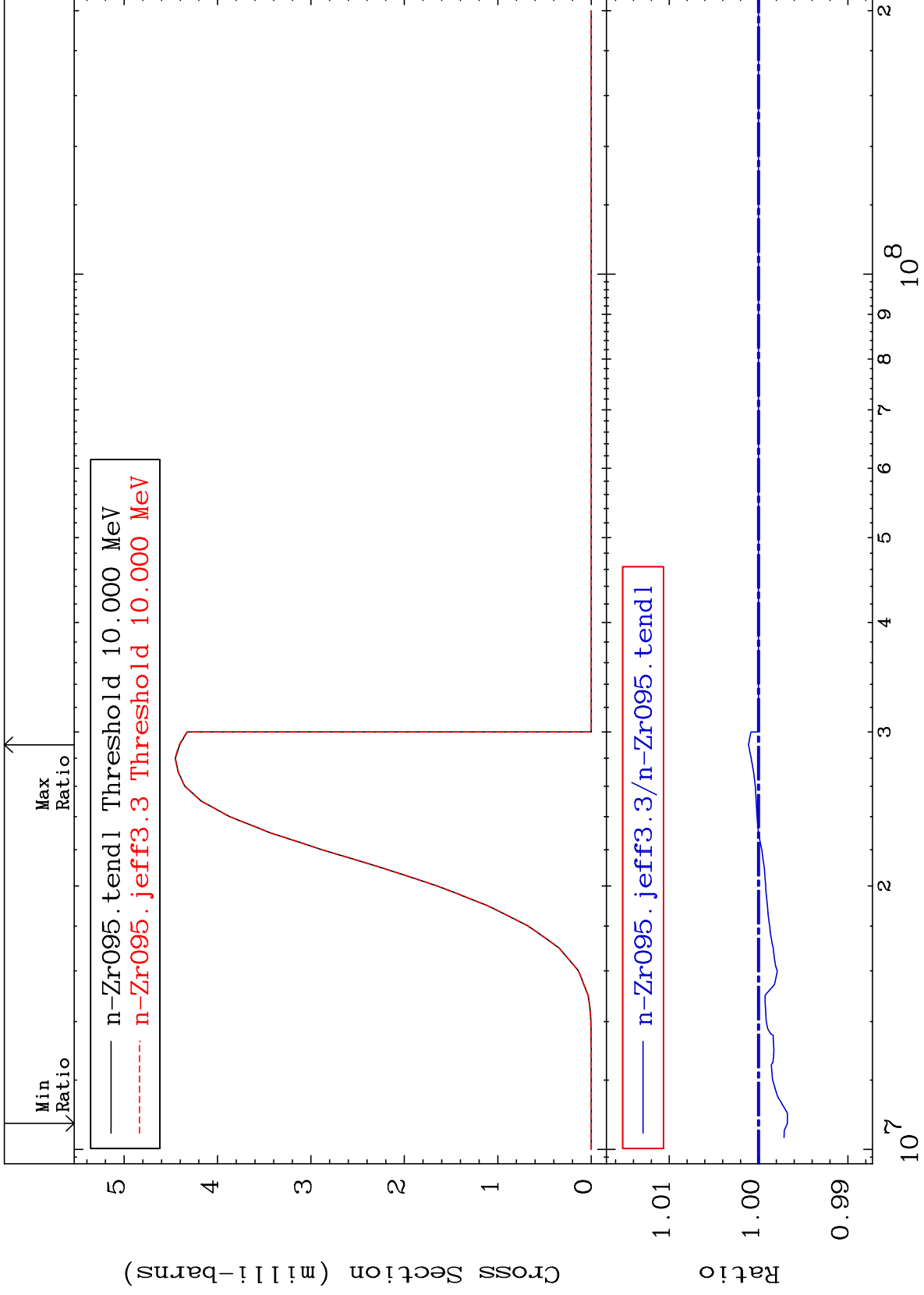
40-Zr-95

MAT 4040

(n, t) : 39-Y -93m2

40-Zr-95

Radionuclide Production Cross Section -0.323 To 0.113 %



87

Incident Energy (eV)

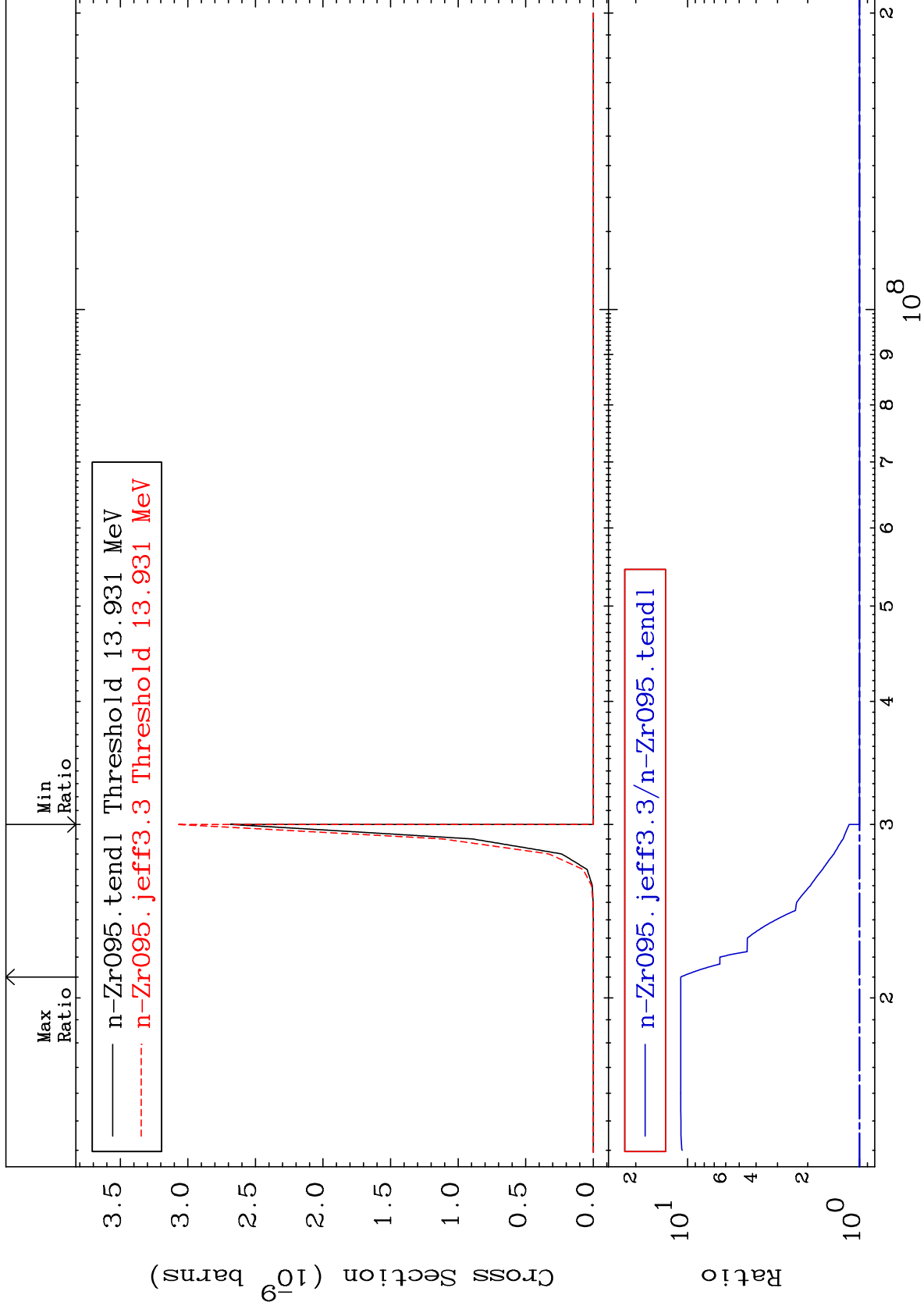
40-Zr-95

MAT 4040

(n, d) α : 37-Rb-90g

40-Zr-95

Radionuclide Production Cross Section 0.000 To 994.6 %



MAT 4040

(n, d) α :37-Rb-90m1

40-Zr-95

Radionuclide Production Cross Section 0.000 To 1137. %

