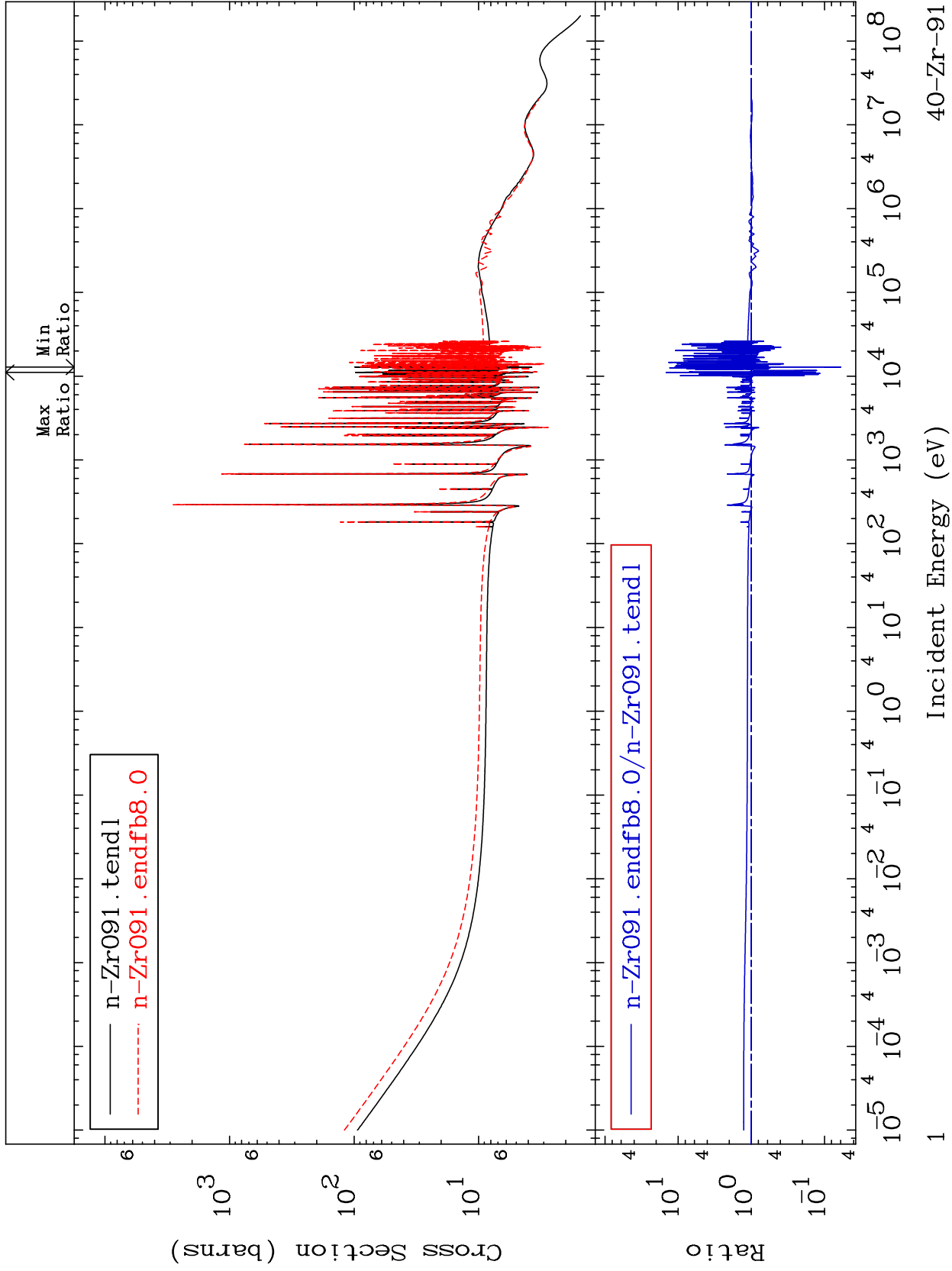


MAT 4028

Total
Cross Section

40-Zr-91
-94.03 To 1367. %

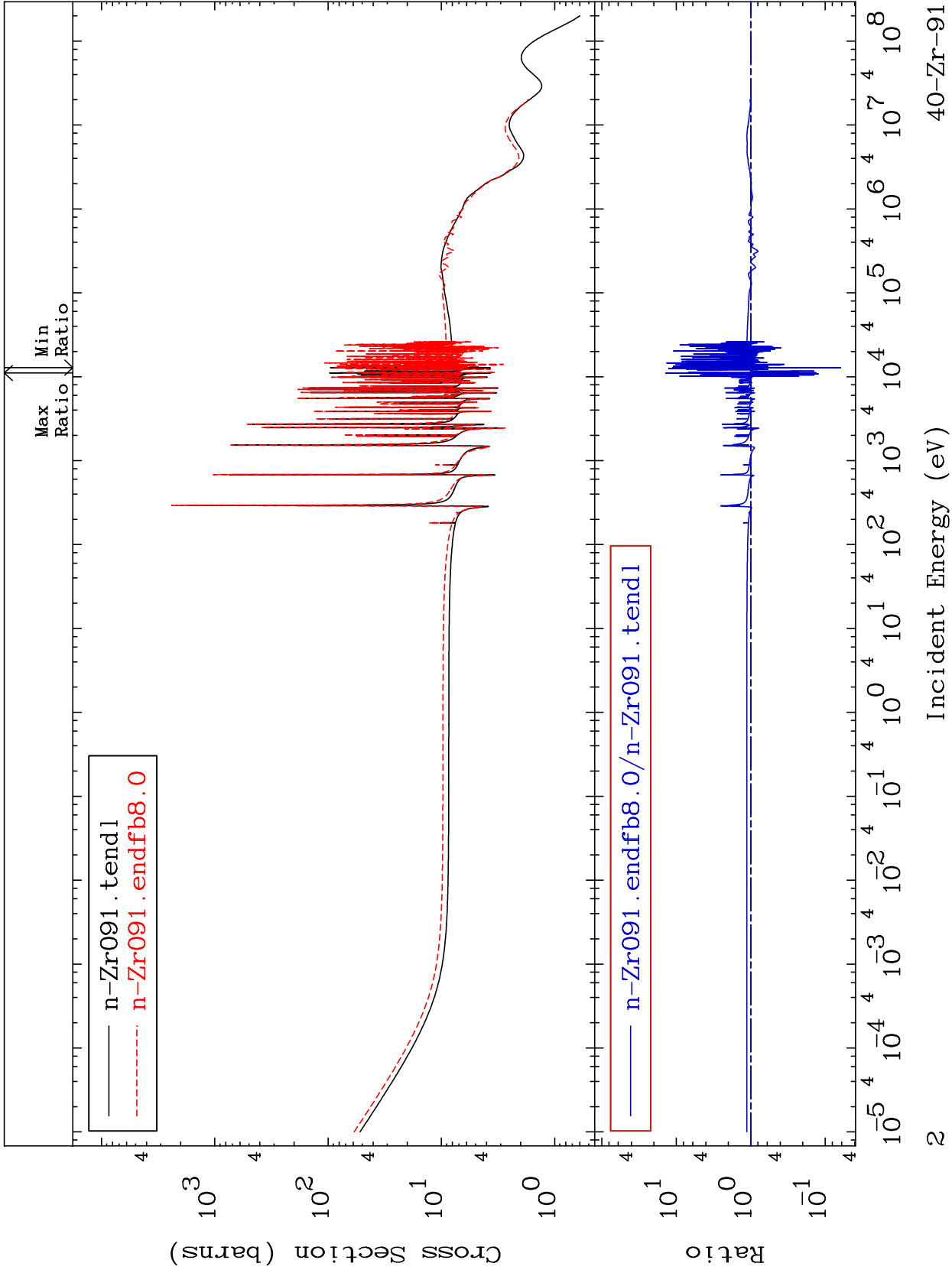


40-Zr-91

MAT 4028

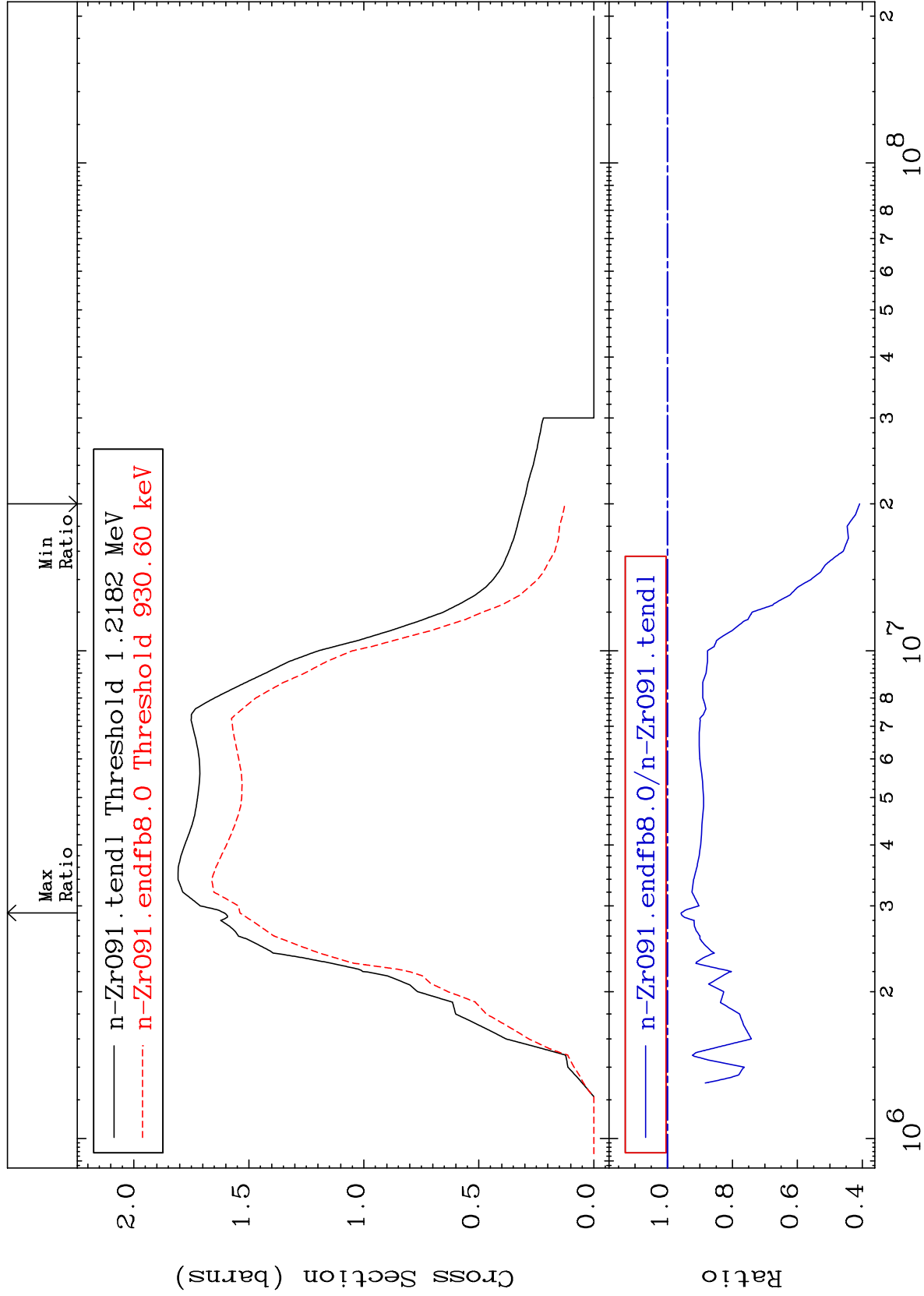
Elastic
Cross Section

40-Zr-91
-93.82 To 1291. %



MAT 4028

Inelastic Cross Section
40-Zr-91
-59.15 To -4.235%



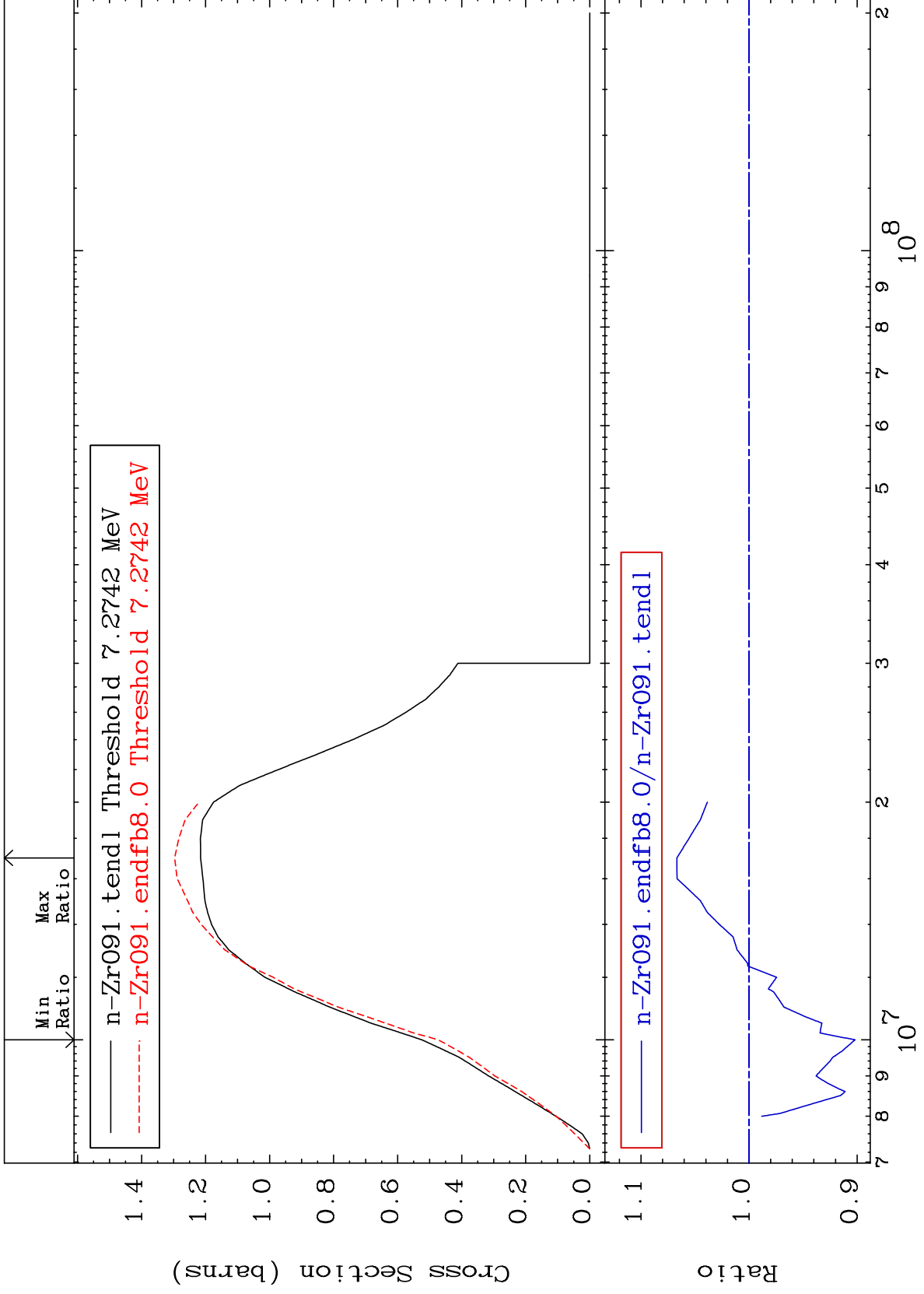
40-Zr-91

40-Zr-91

MAT 4028

(n,2n)
Cross Section

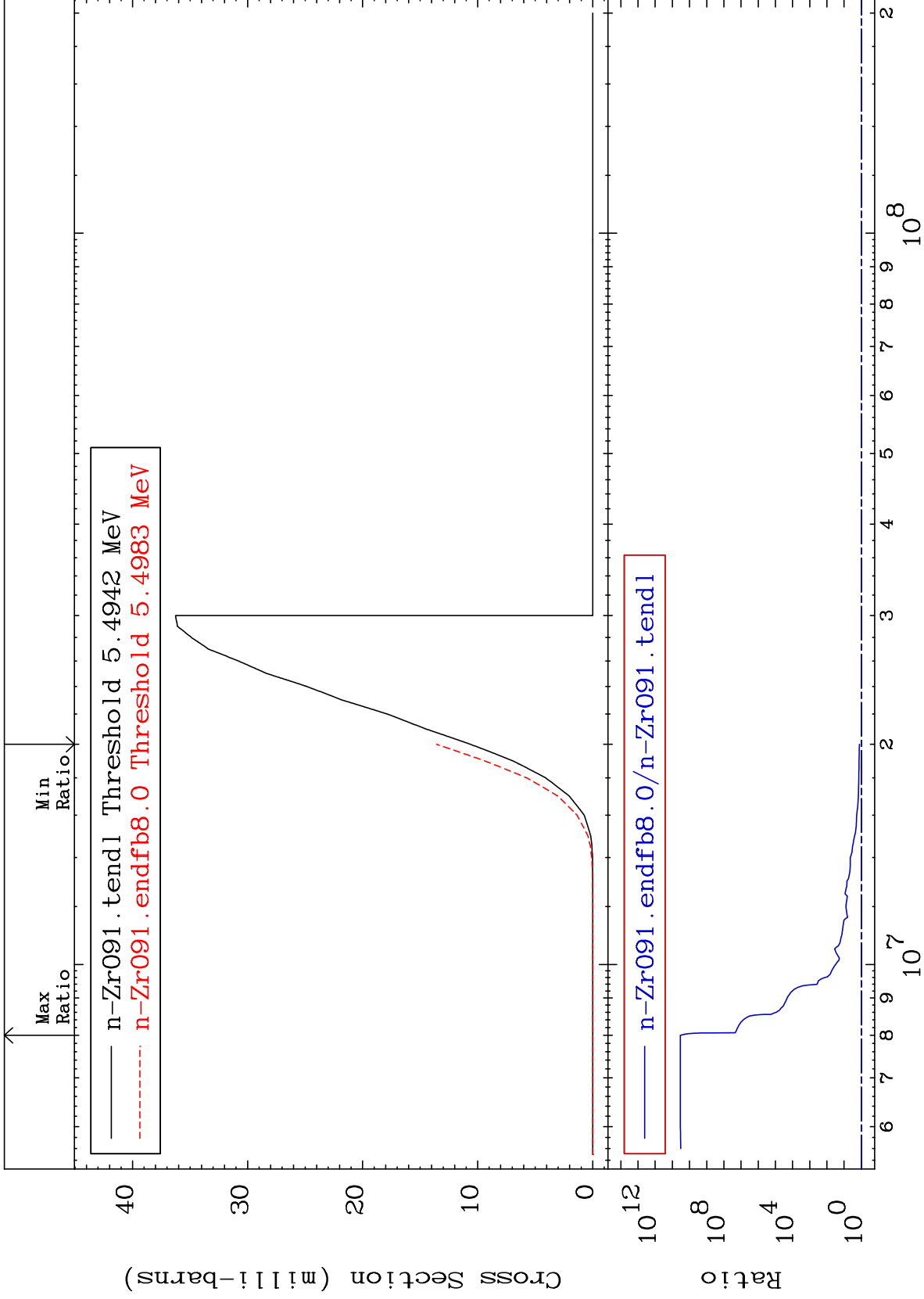
40-Zr-91
-9.813 To 6.677 %



MAT 4028

(n, n') α
Cross Section

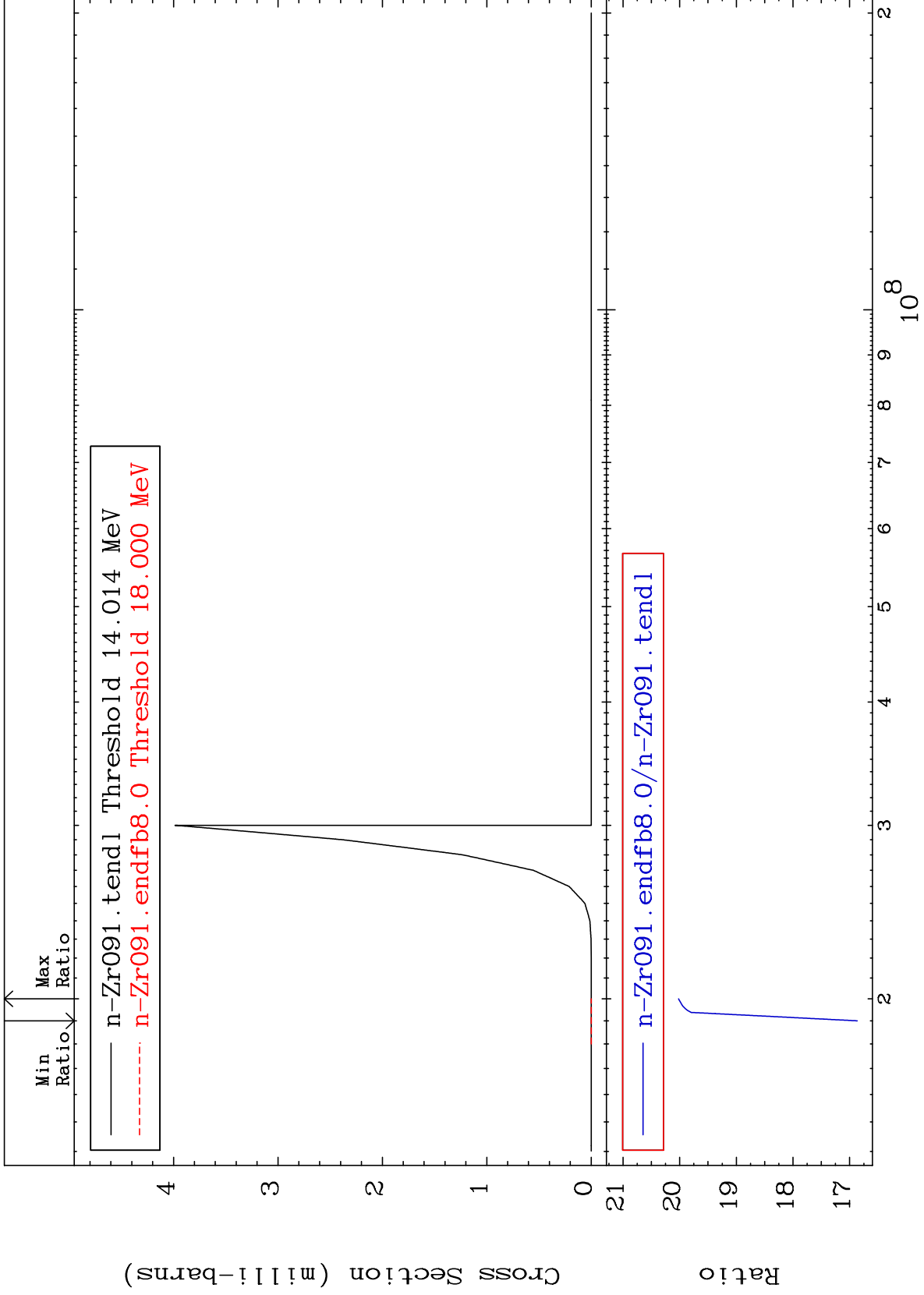
40-Zr-91
27.83 To 9999. %



MAT 4028

(n,2n) α
Cross Section

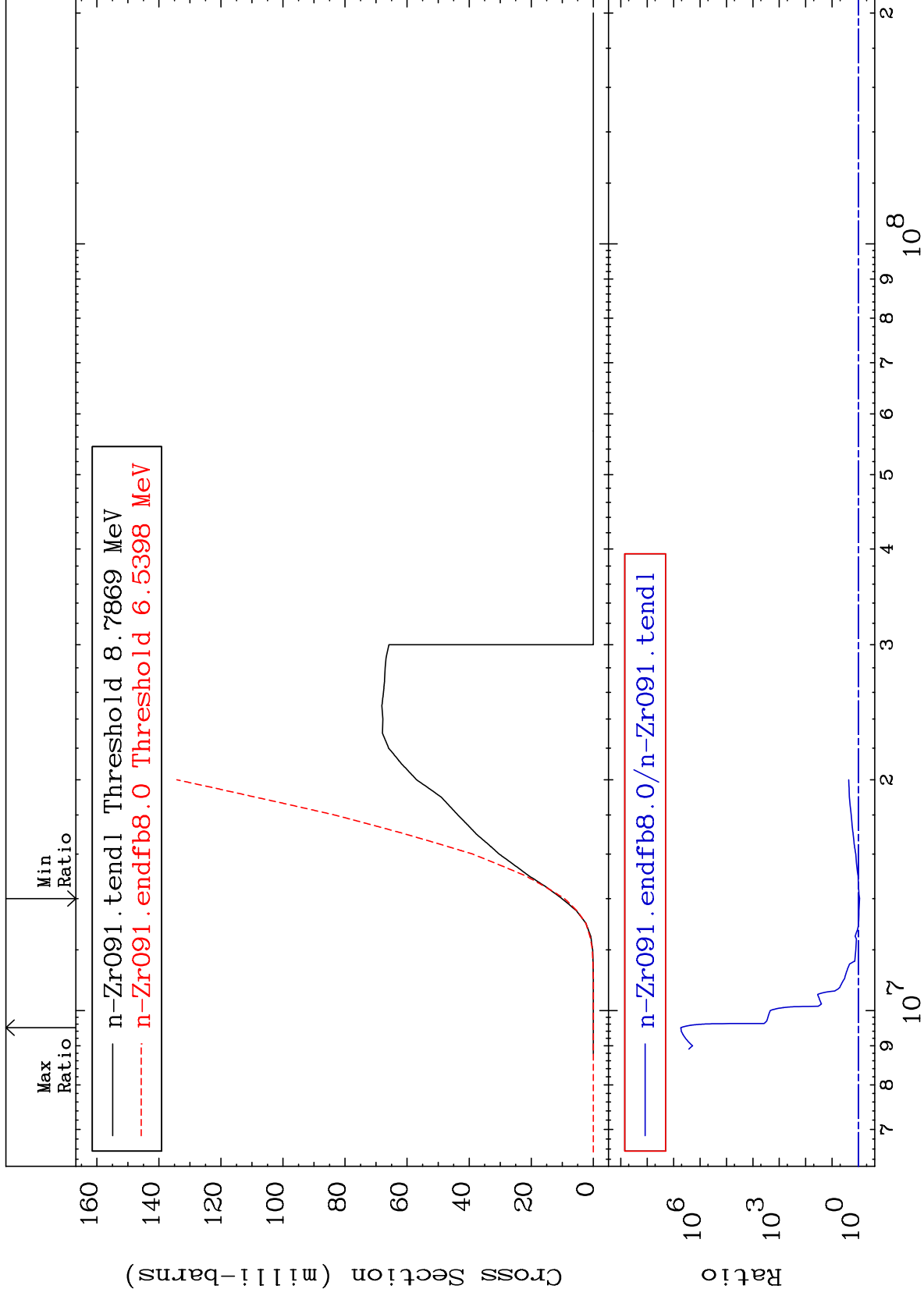
40-Zr-91
1587. To 1902. %



MAT 4028

(n,n') p
Cross Section

40-Zr-91
-8.117 To 9999. %



7

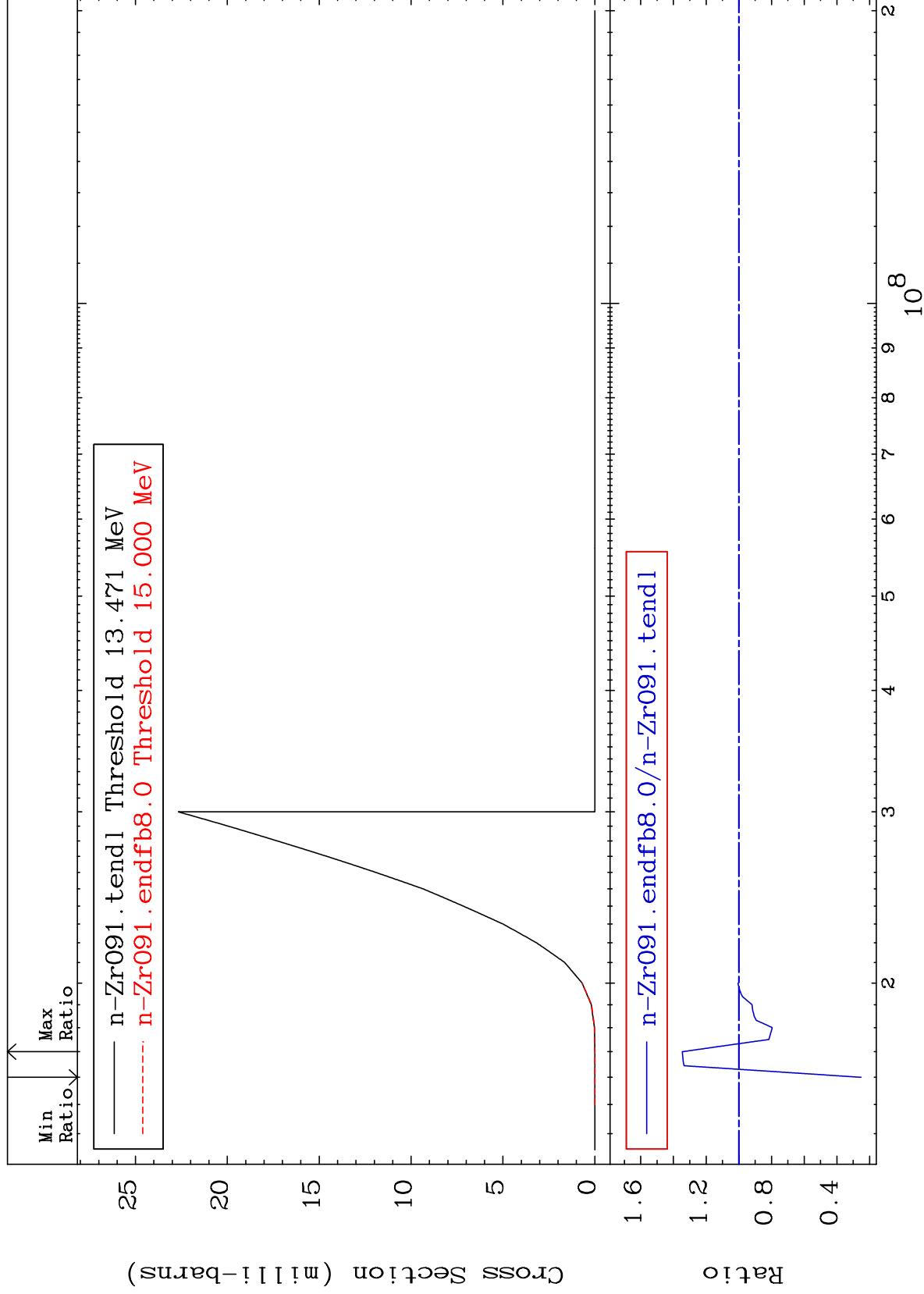
Incident Energy (eV)

40-Zr-91

MAT 4028

(n,n') d
Cross Section

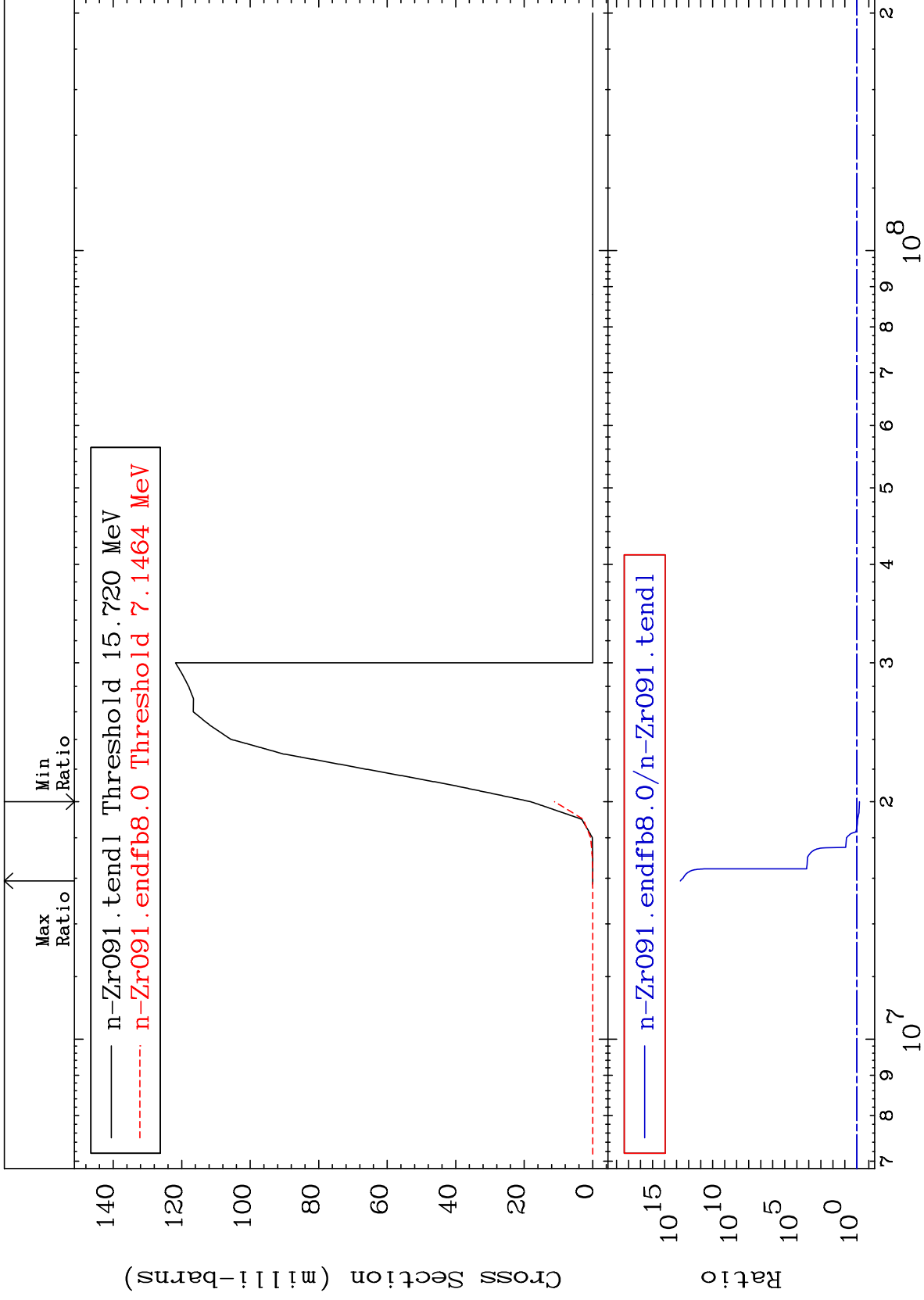
40-Zr-91
-74.81 To 34.55 %



MAT 4028

(n,2n) p
Cross Section

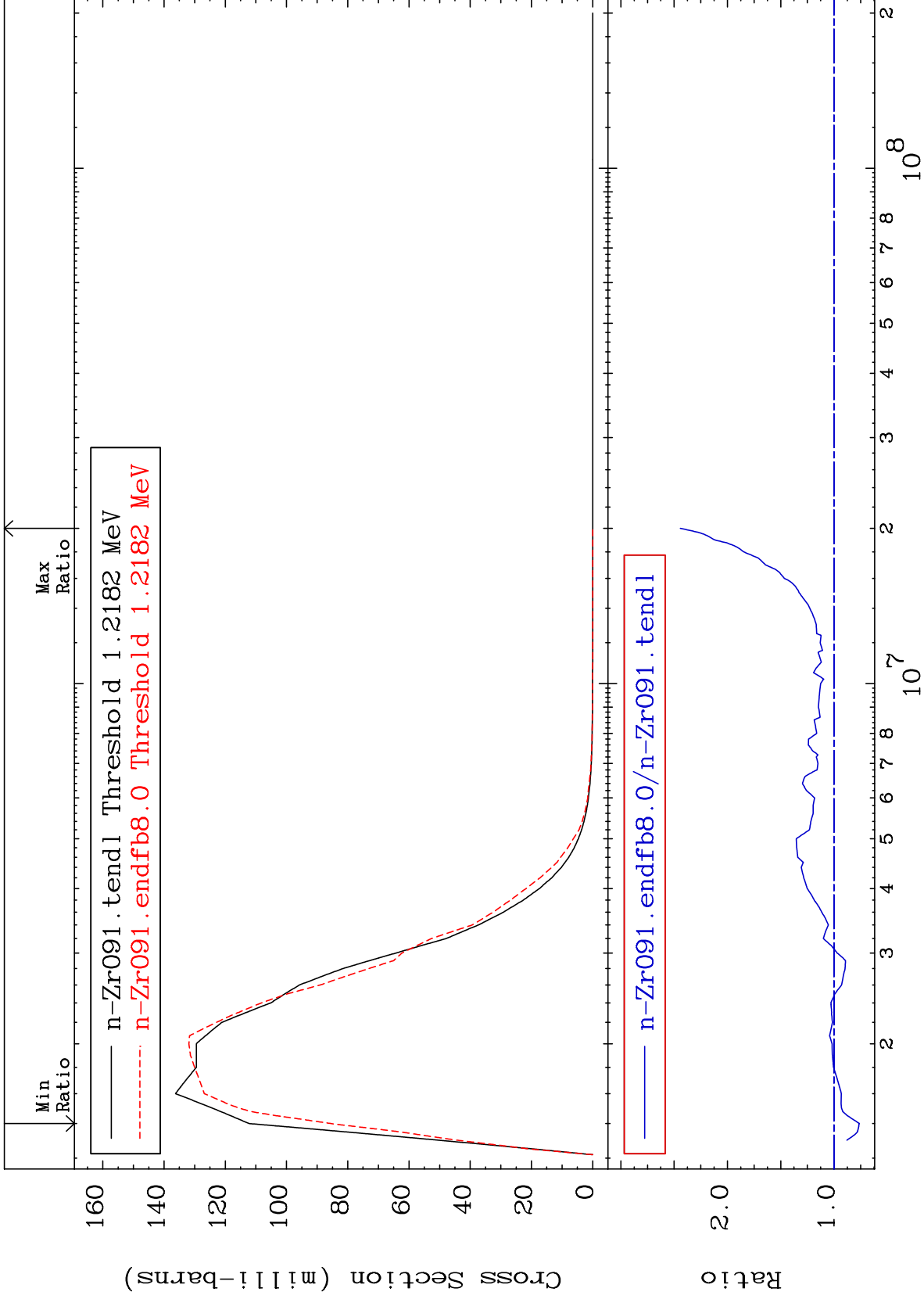
40-Zr-91
-38.48 To 9999. %



MAT 4028

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

40-Zr-91
-23.83 To 144.2 %



10

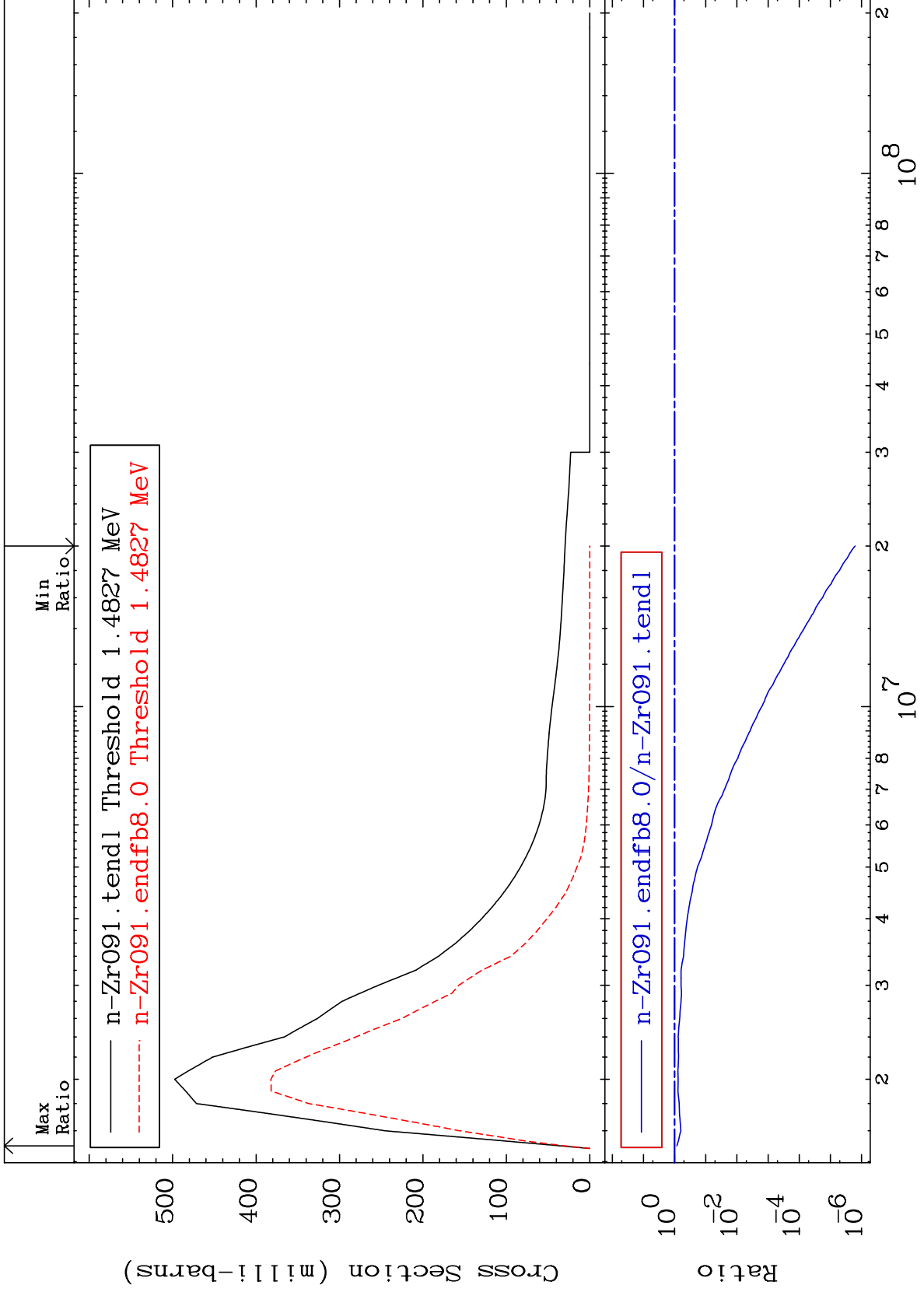
Incident Energy (eV)

40-Zr-91

MAT 4028

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

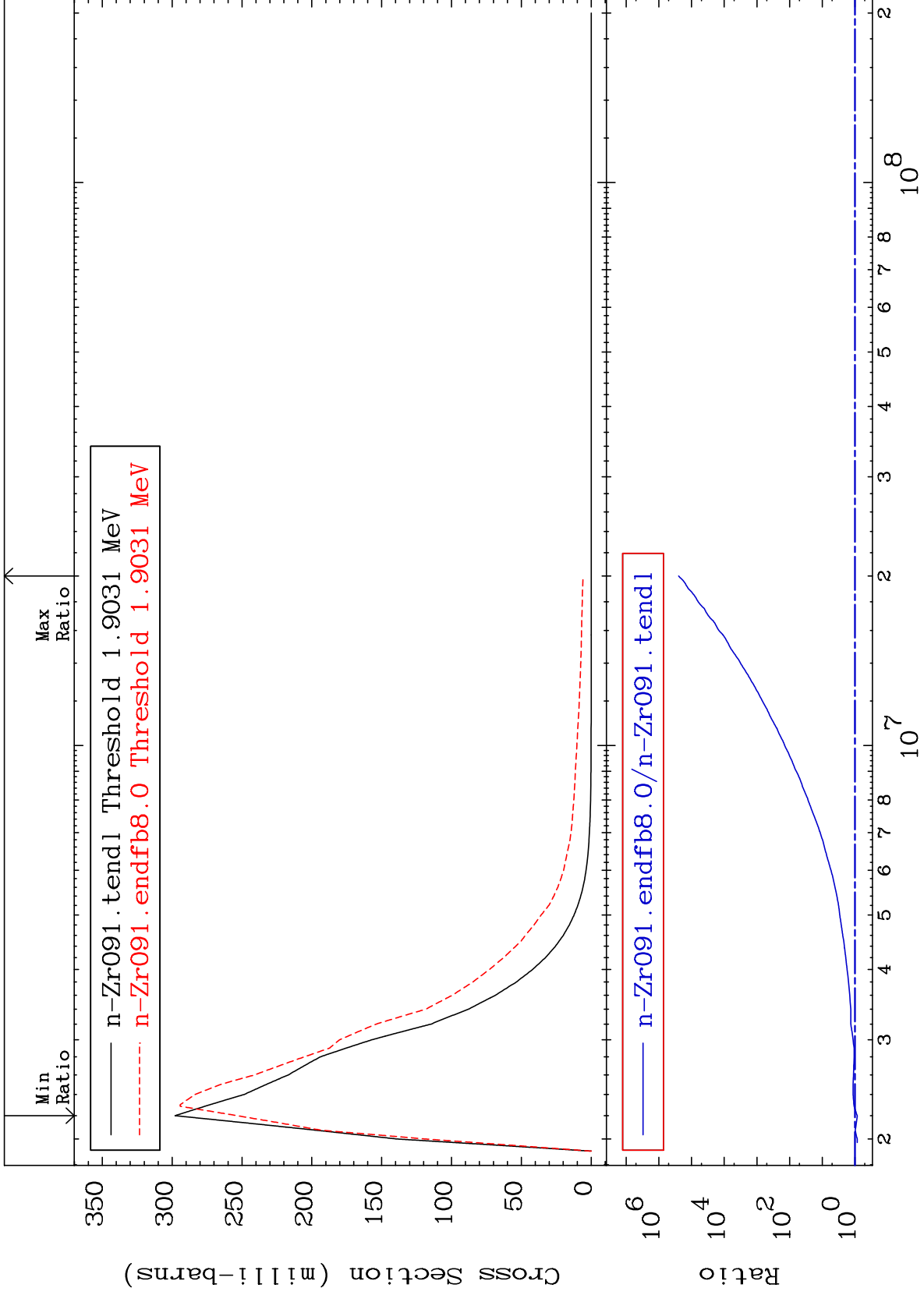
40-Zr-91
-100.0 To -15.66%



MAT 4028

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

40-Zr-91
-14.94 To 9999. %



12

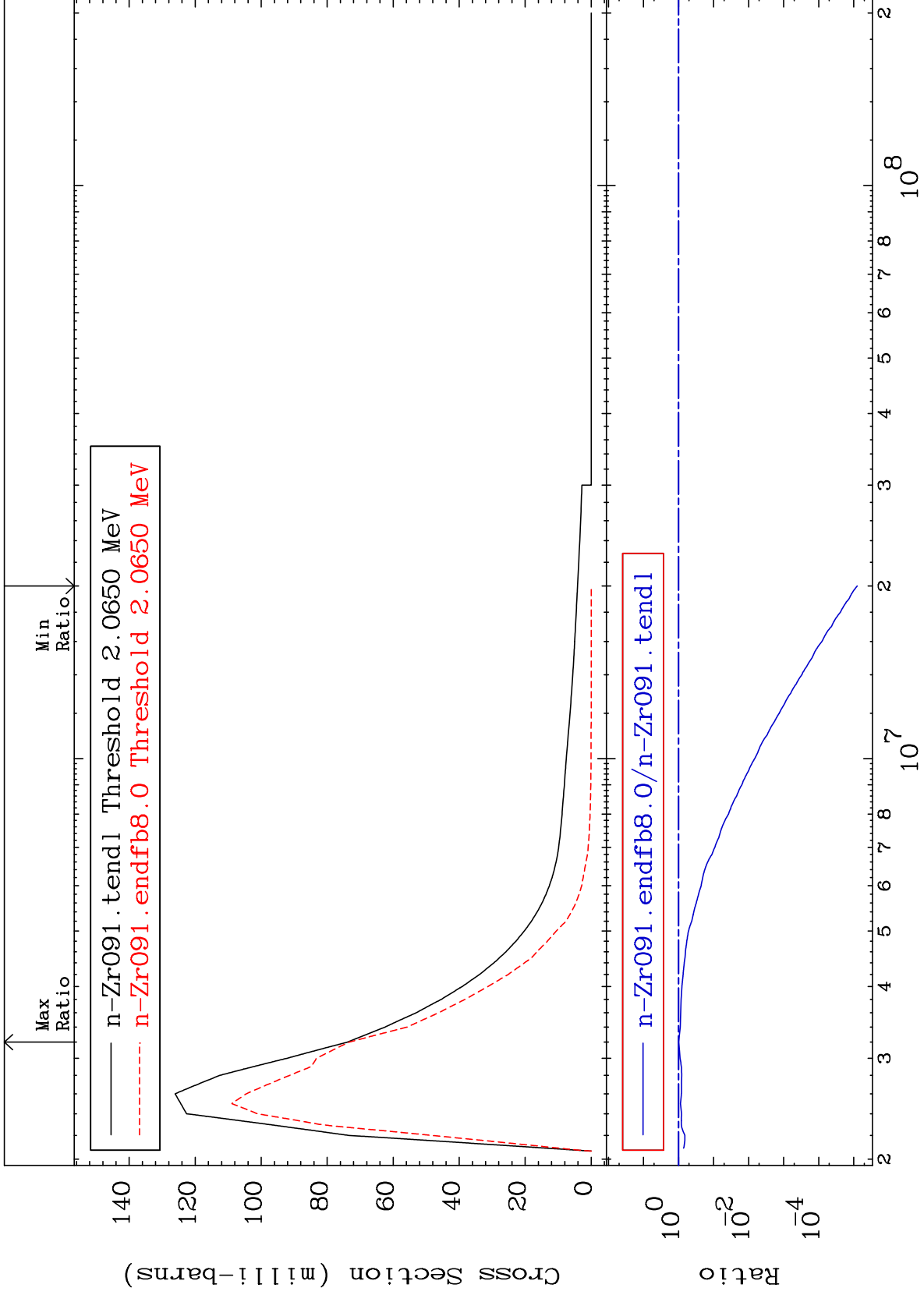
Incident Energy (eV)

40-Zr-91

MAT 4028

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

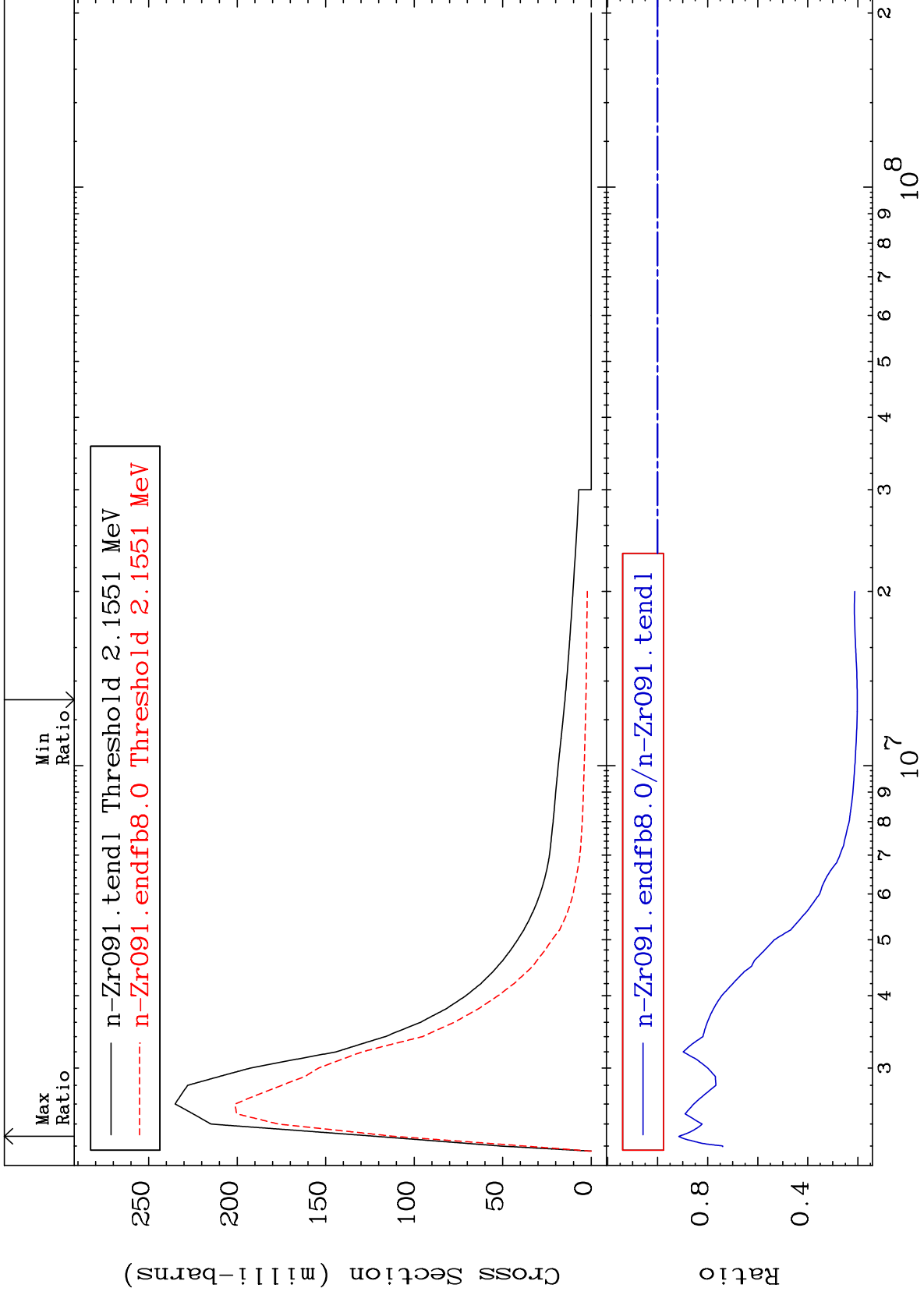
40-Zr-91
-100.0 To -0.644%



MAT 4028

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

40-Zr-91
-79.77 To -8.386%



14

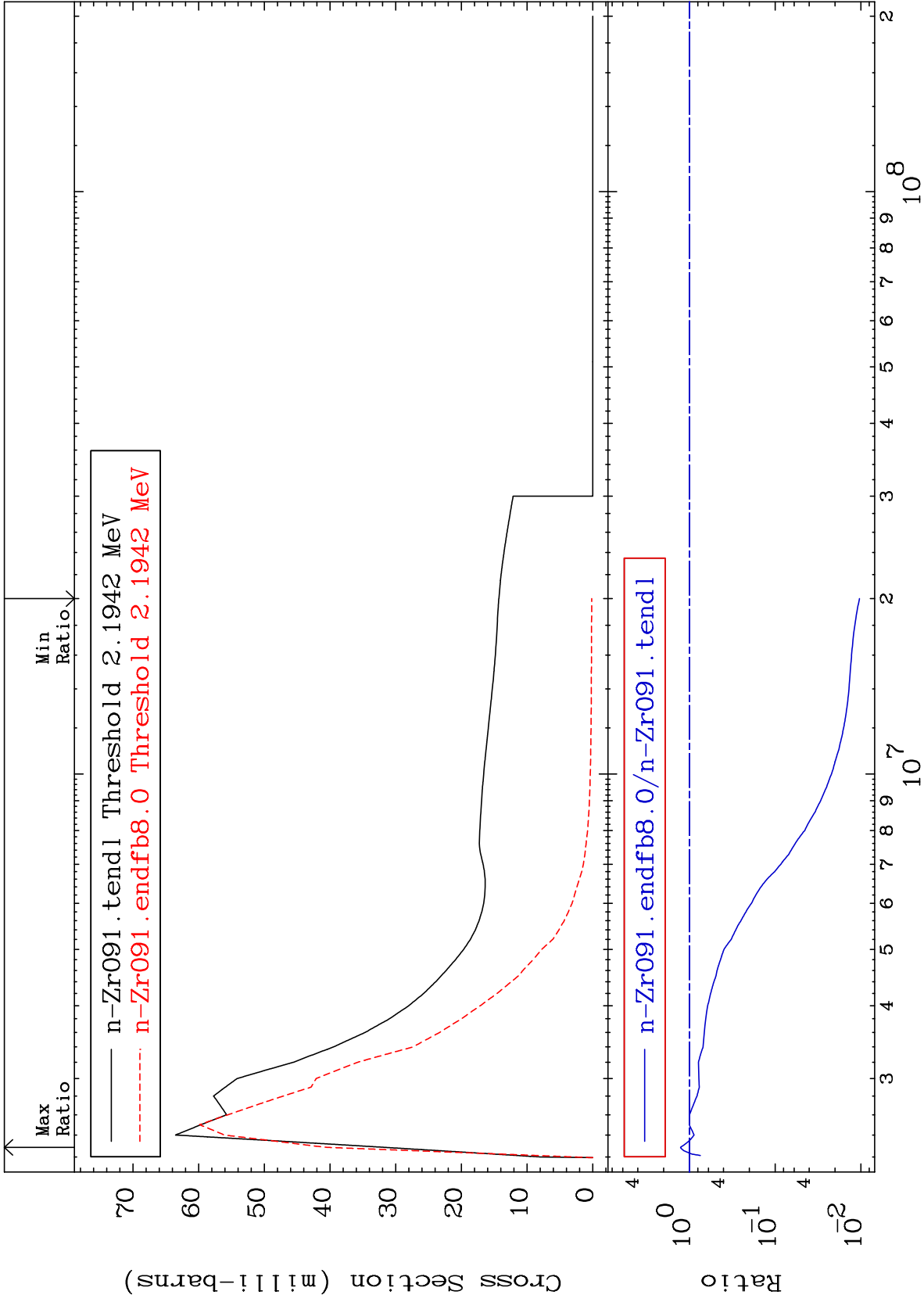
Incident Energy (eV)

40-Zr-91

MAT 4028

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

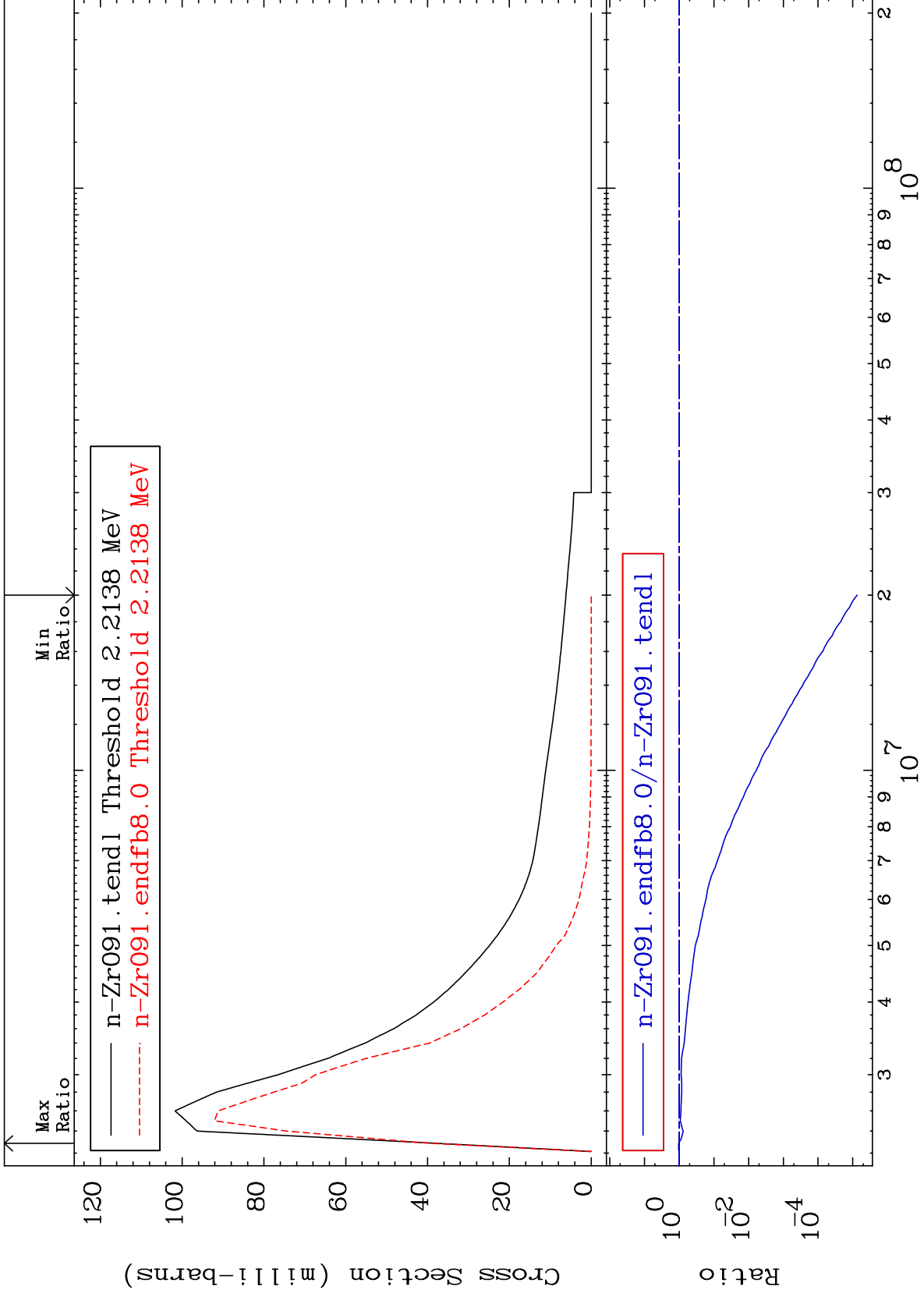
40-Zr-91
-98.96 To 27.63 %



MAT 4028

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

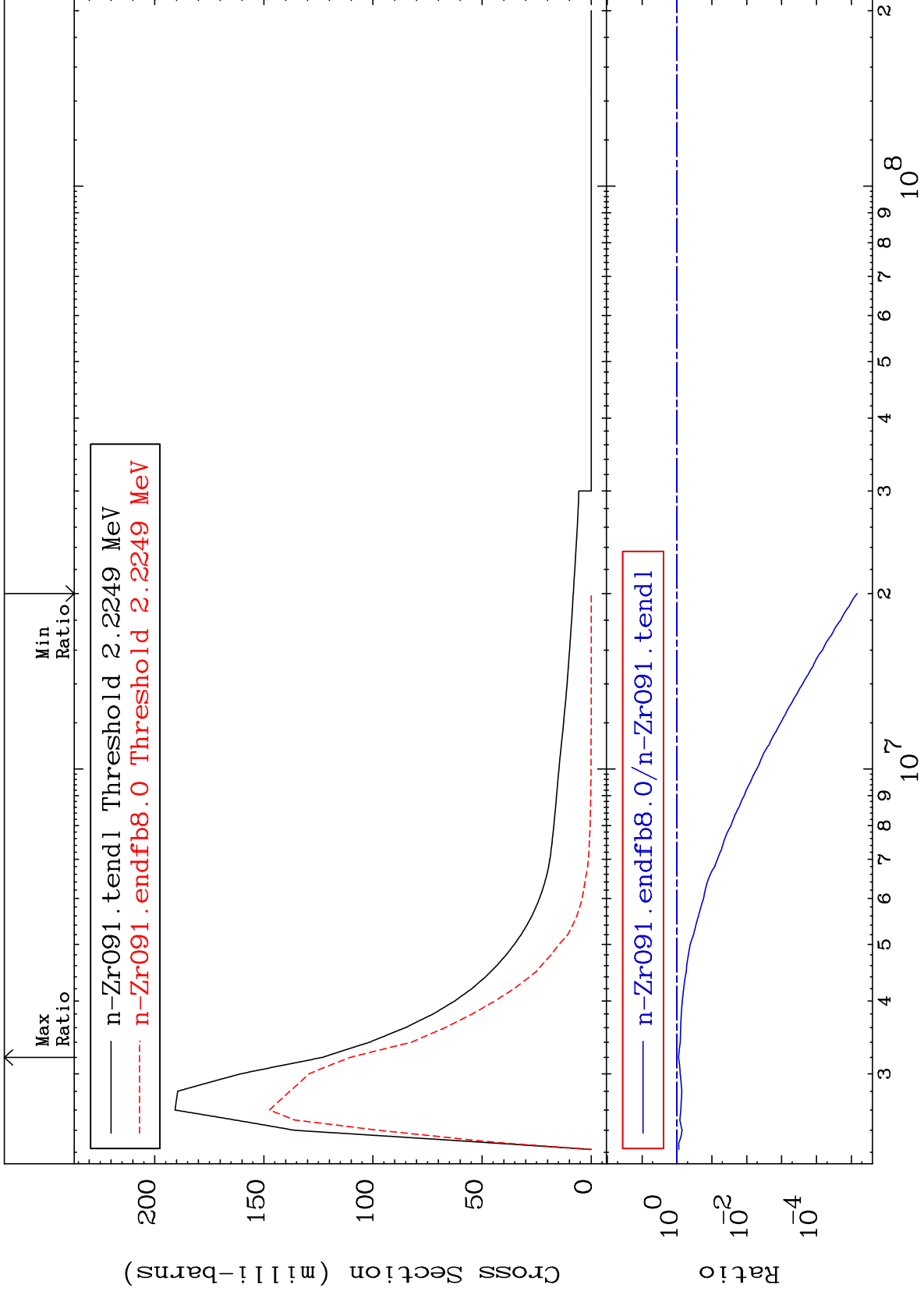
40-Zr-91
-100.0 To 3.848 %



MAT 4028

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

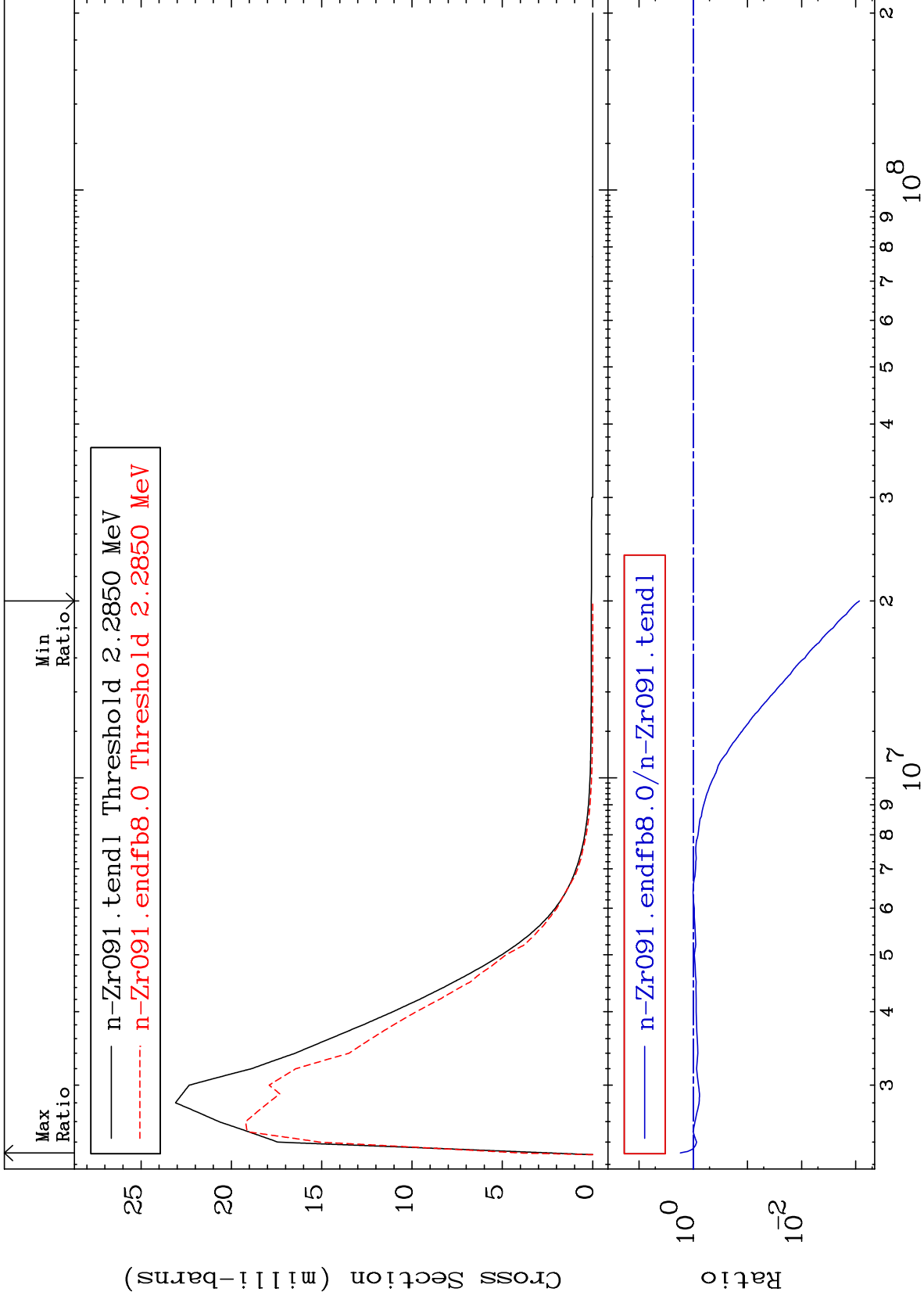
40-Zr-91
-100.0 To -10.34%



MAT 4028

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

40-Zr-91
-99.91 To 72.49 %



18

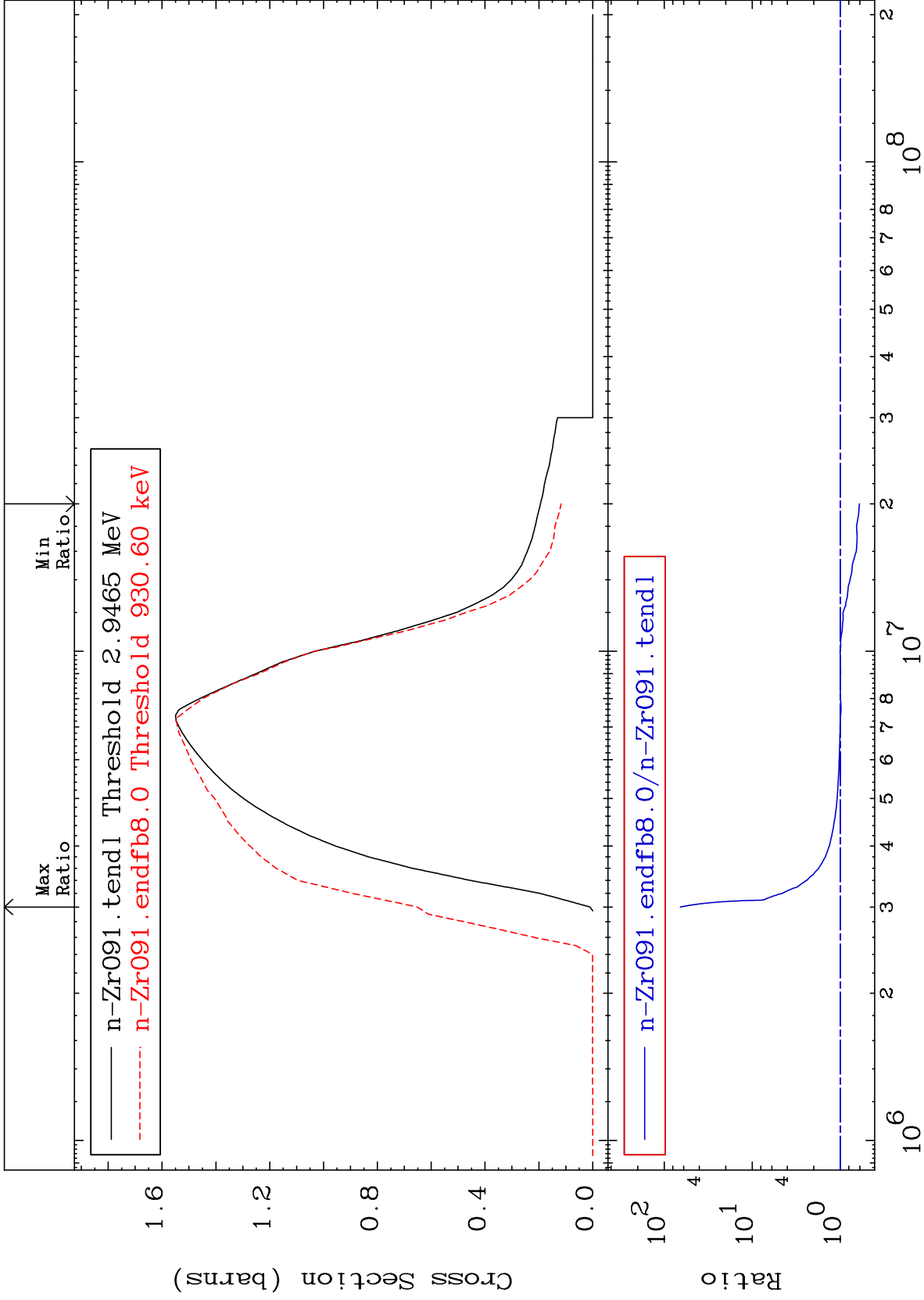
Incident Energy (eV)

40-Zr-91

MAT 4028

(n, n') Continuum
Cross Section

40-Zr-91
-39.45 To 6451. %



19

Incident Energy (eV)

40-Zr-91

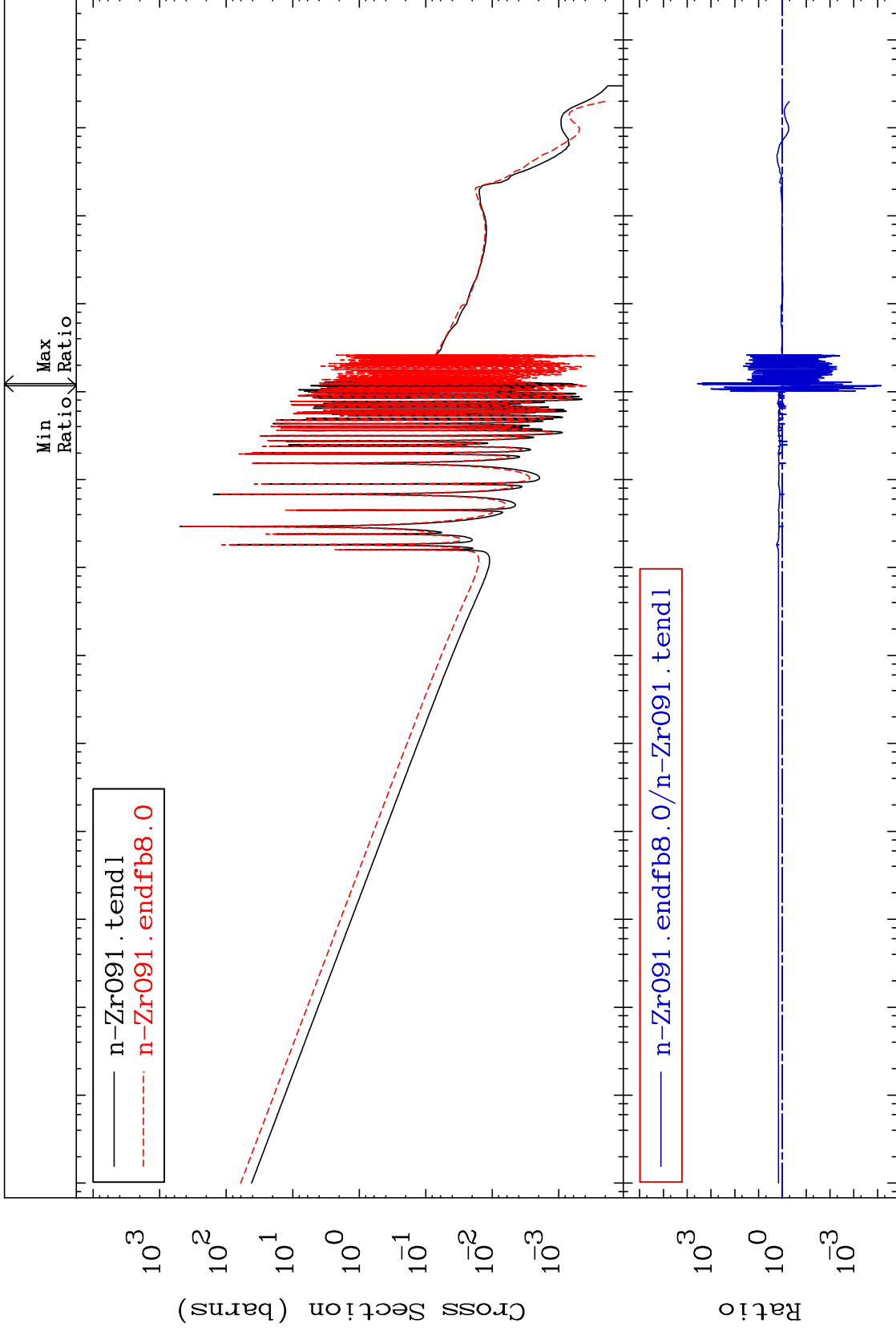
MAT 4028

(n, γ)

40-Zr-91

Cross Section

-99.99 To 9999. %



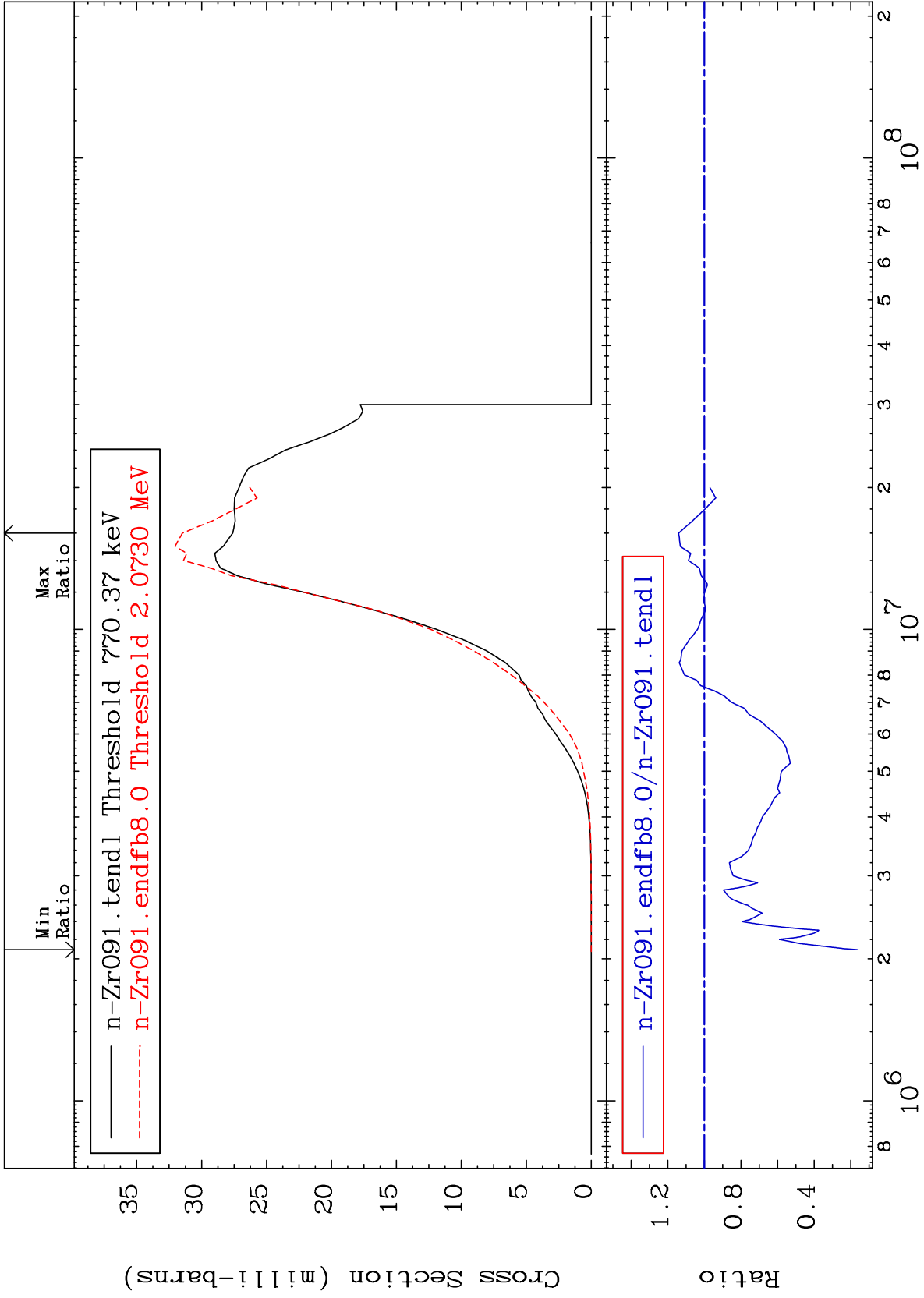
20

Incident Energy (eV)

40-Zr-91

MAT 4028

(n, p)
Cross Section
40-Zr-91
-83.58 To 14.03 %



21

Incident Energy (eV)

40-Zr-91

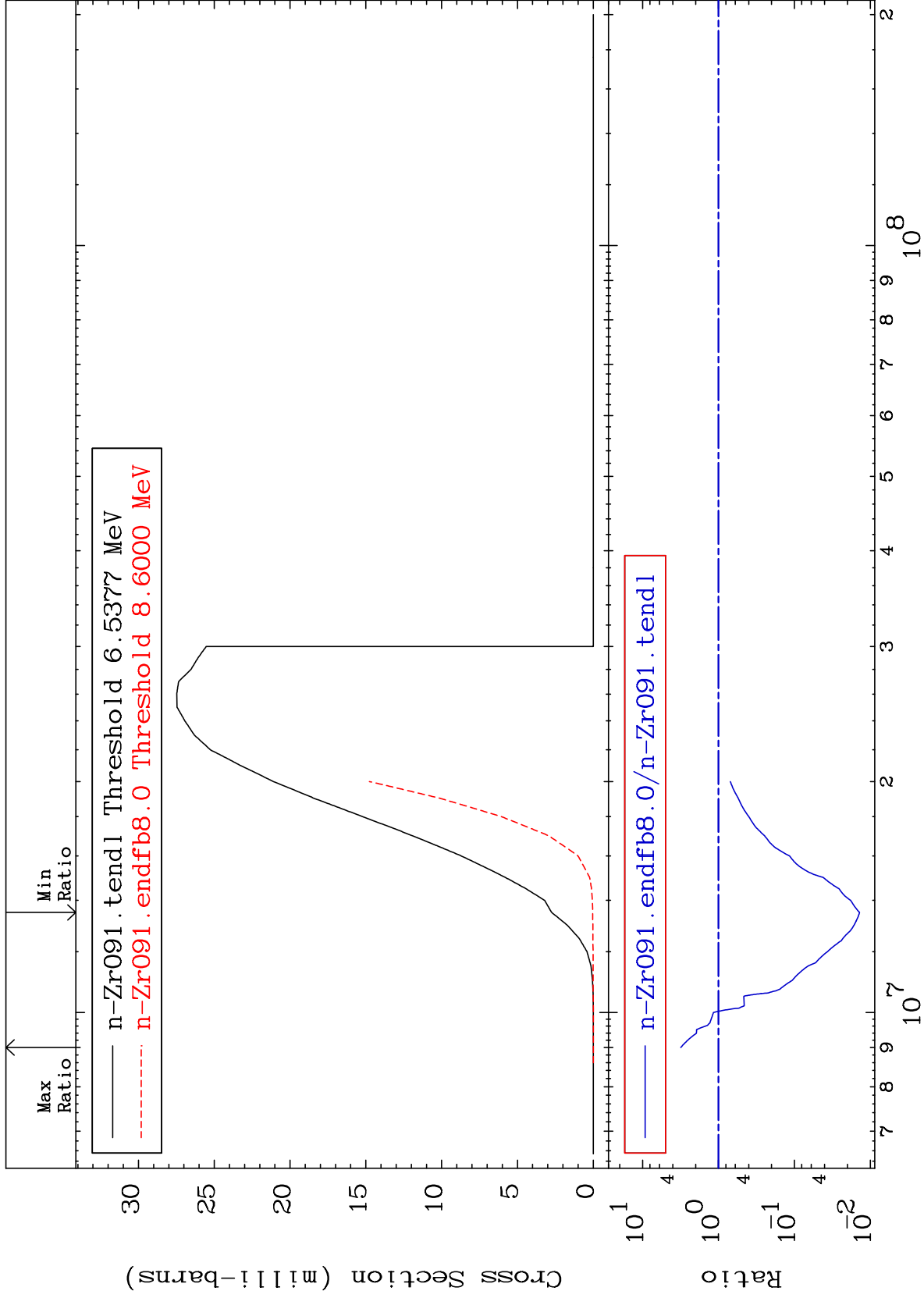
MAT 4028

(n, d)

40-Zr-91

Cross Section

-98.62 To 214.1 %



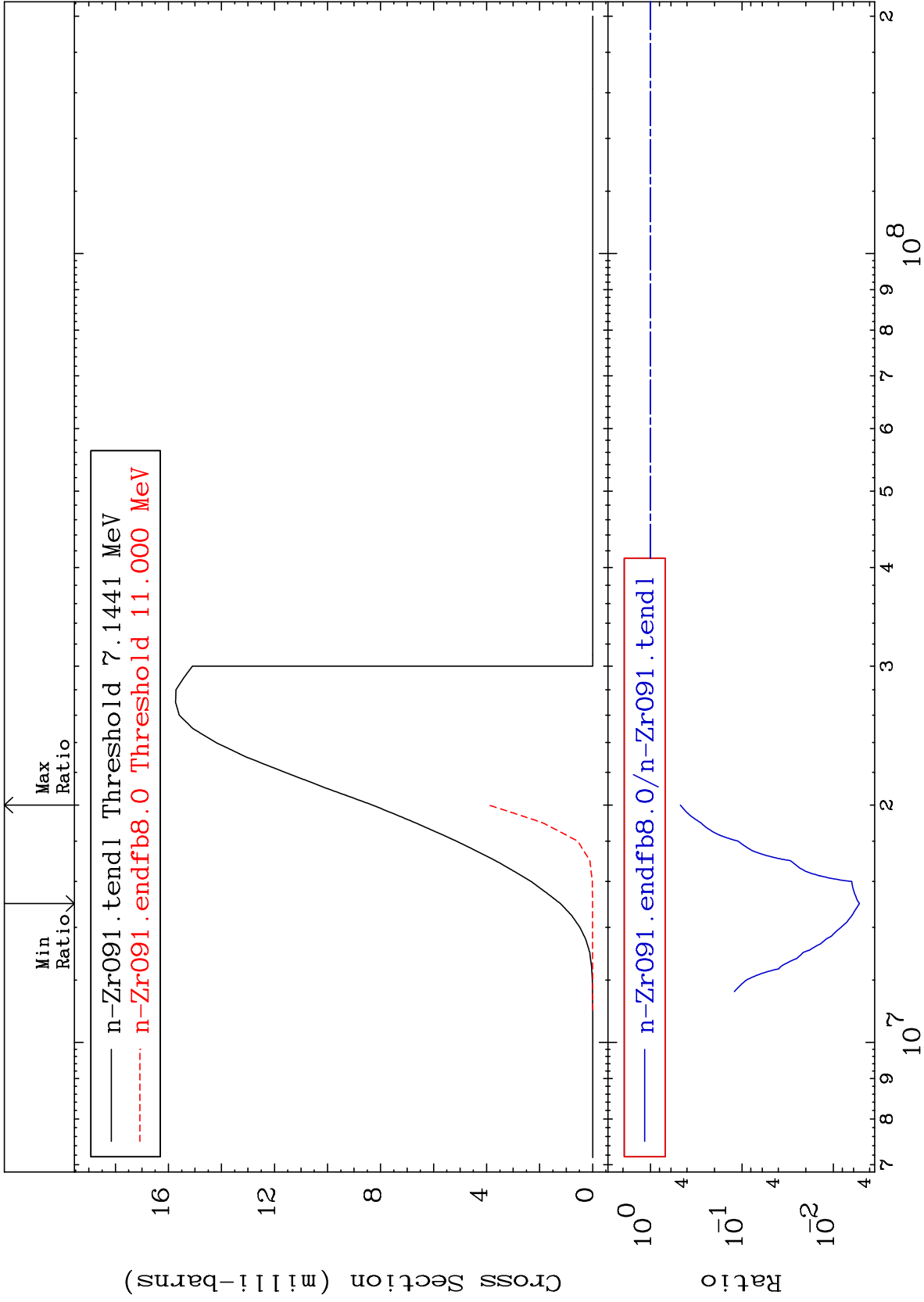
MAT 4028

(n, t)

40-Zr-91

Cross Section

-99.48 To -52.78%



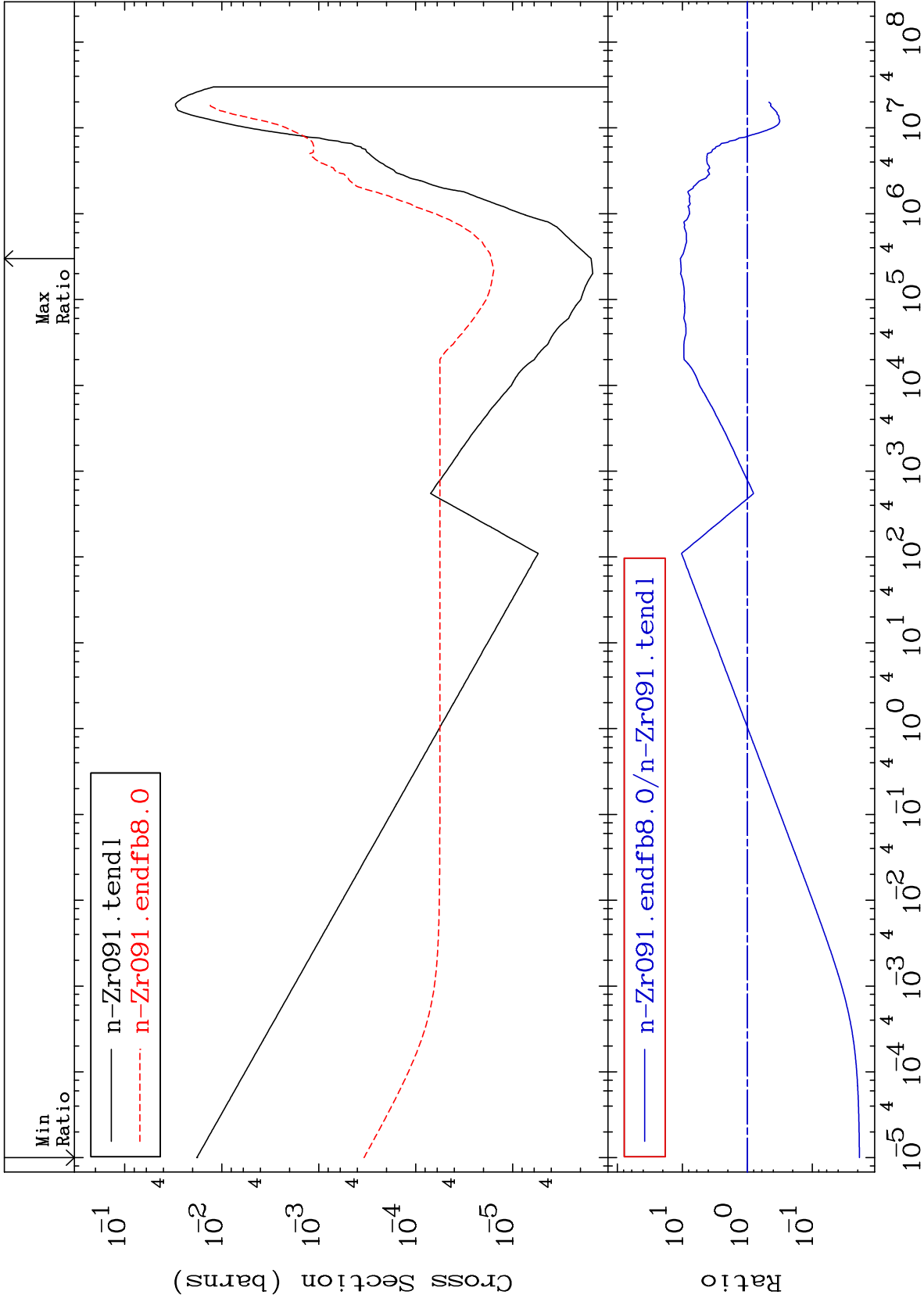
MAT 4028

(n, α)

40-Zr-91

Cross Section

-98.11 To 973.5 %



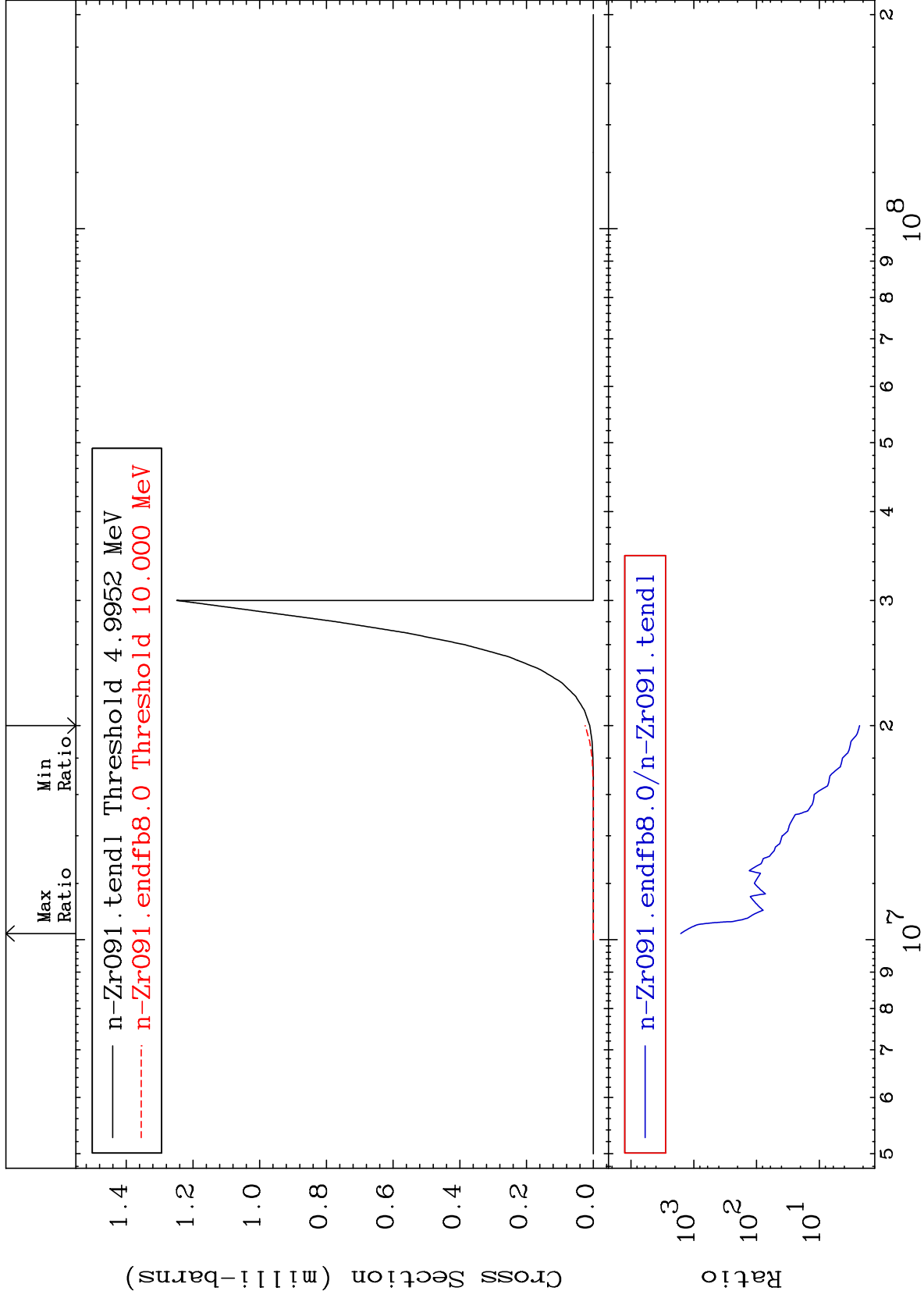
MAT 4028

(n, p) α

40-Zr-91

Cross Section

128.5 To 9999. %



25

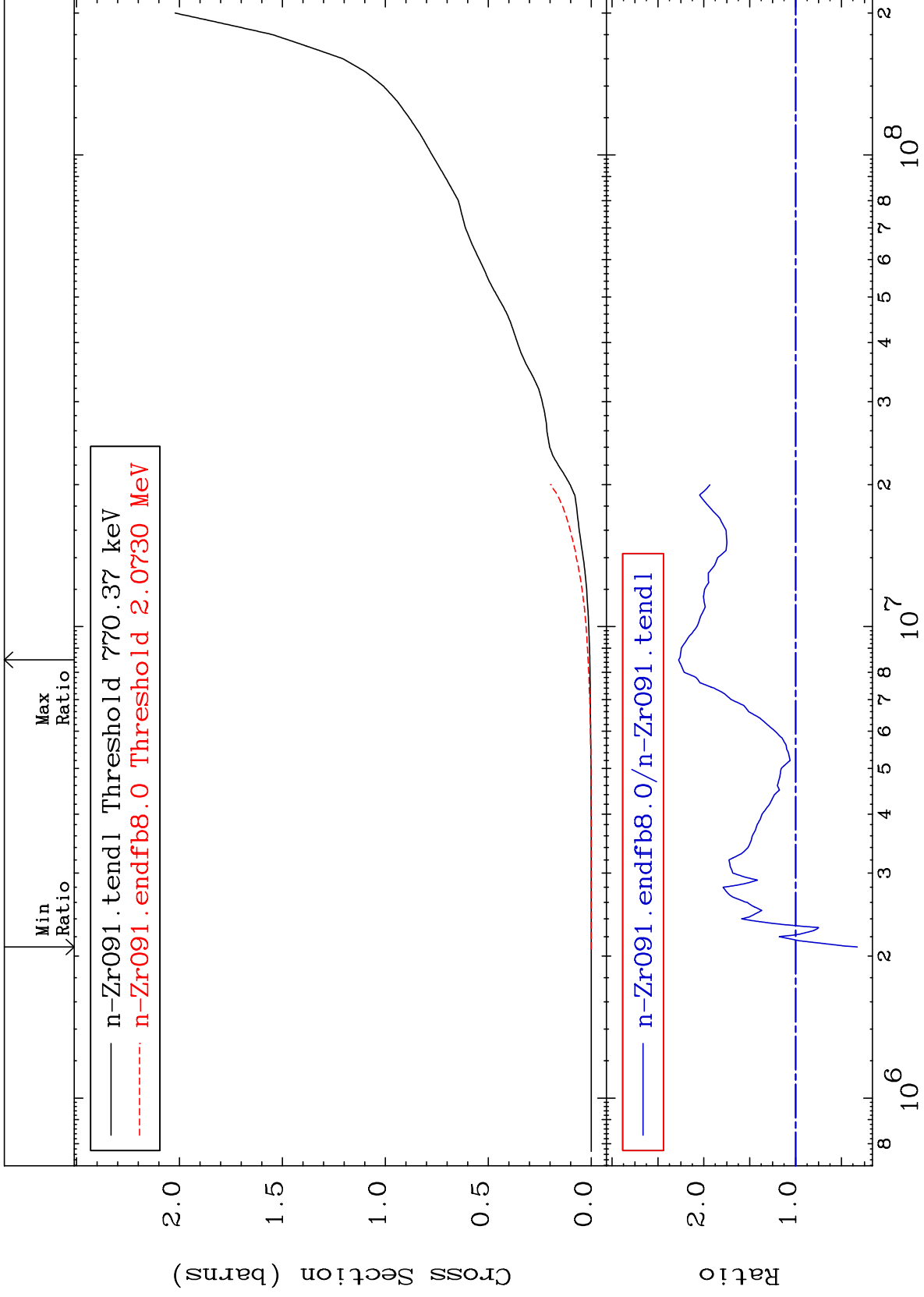
Incident Energy (eV)

40-Zr-91

MAT 4028

Hydrogen Production
Cross Section

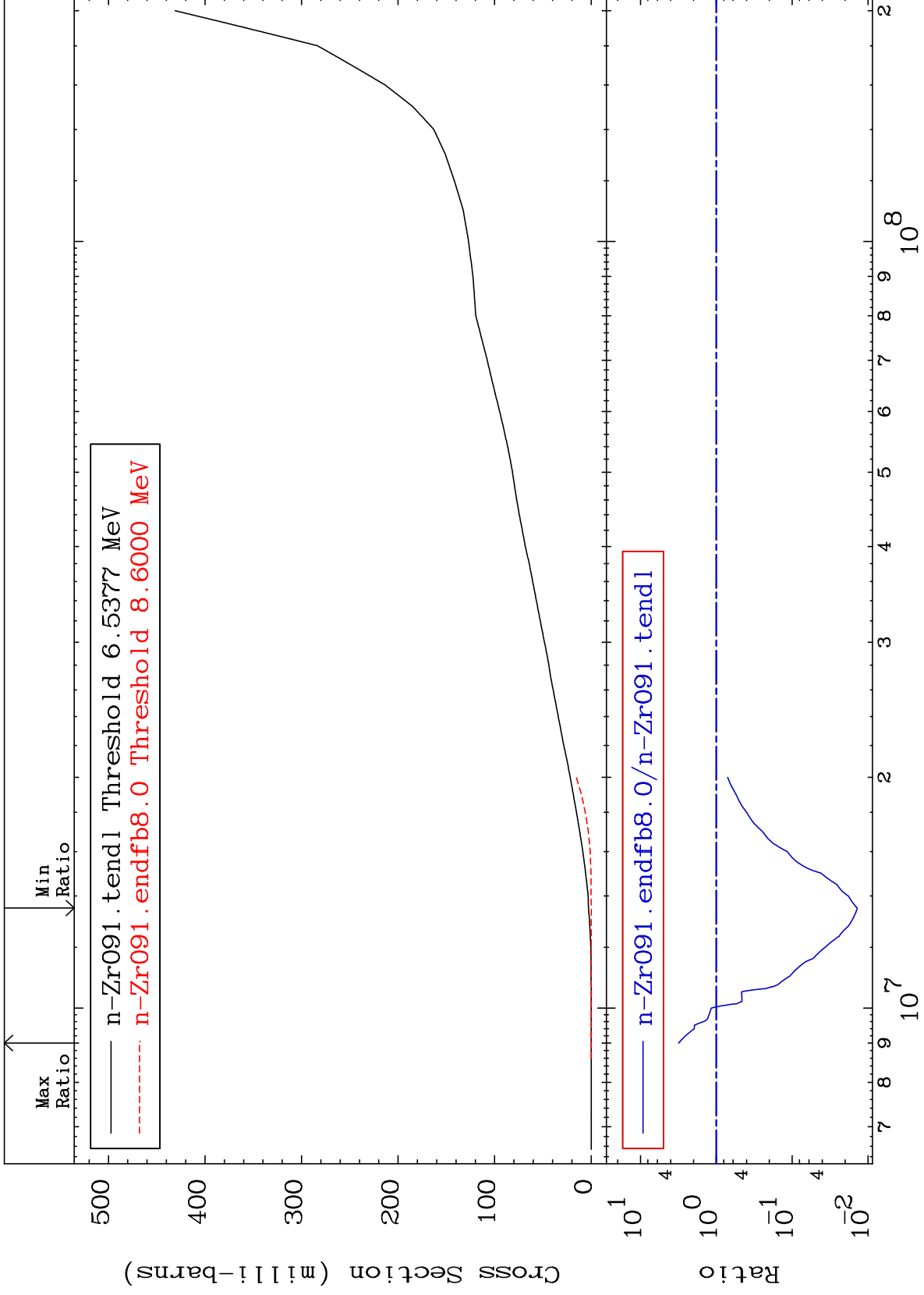
40-Zr-91
-67.16 To 127.4 %



MAT 4028

Deuterium Production
Cross Section

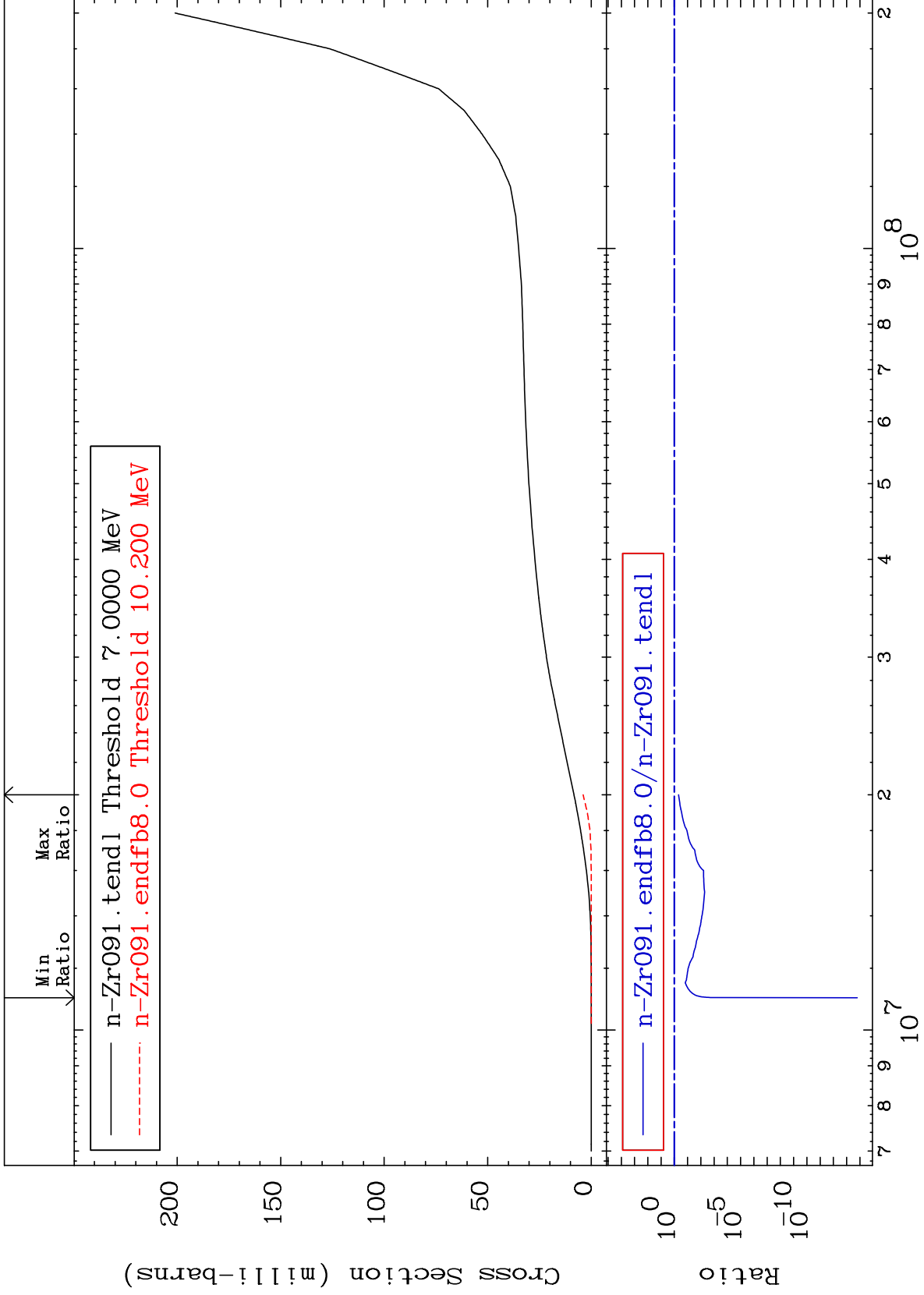
40-Zr-91
-98.62 To 214.1 %



MAT 4028

Tritium Production
Cross Section

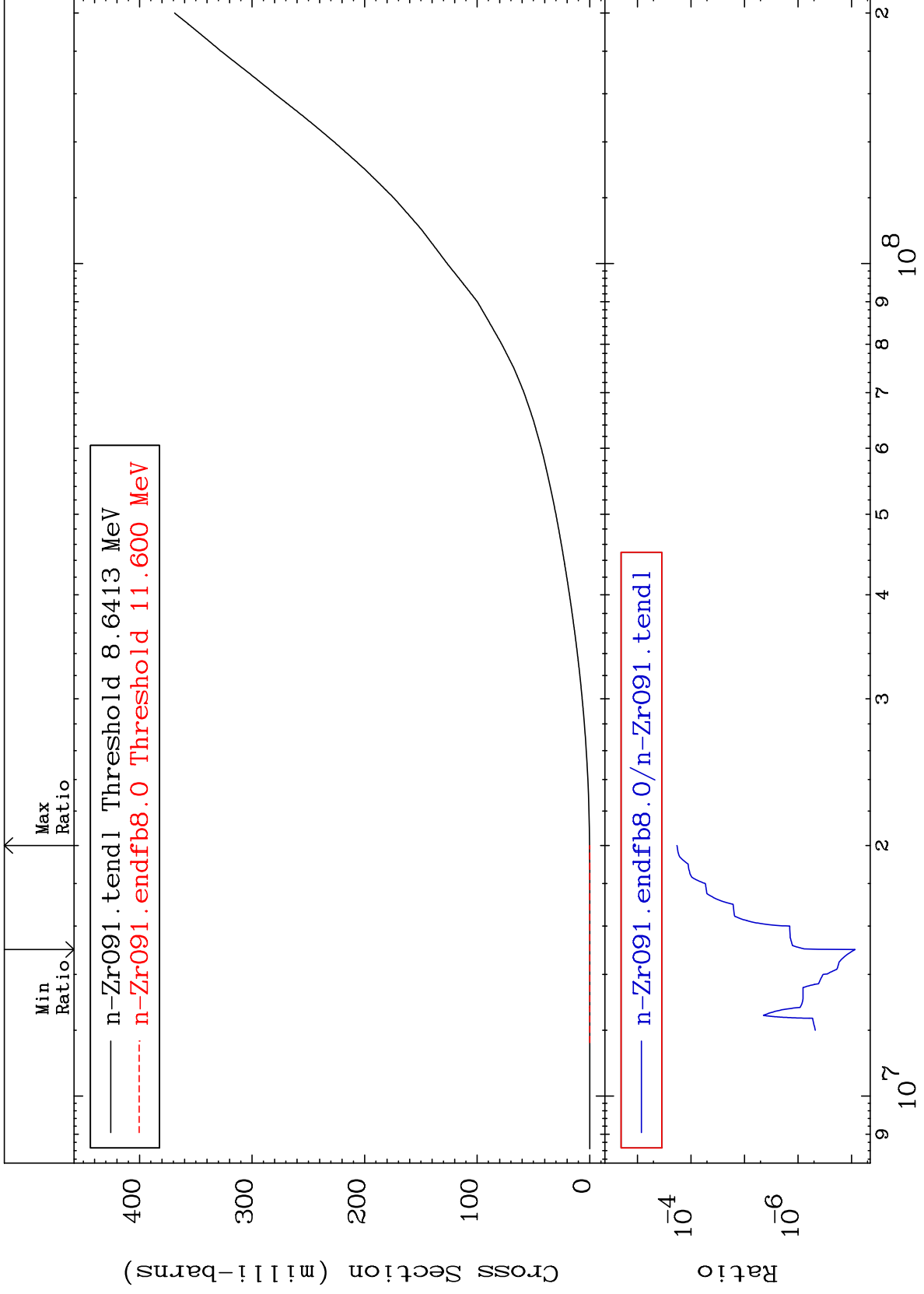
40-Zr-91
-100.0 To -52.78%



MAT 4028

He-3 Production
Cross Section

40-Zr-91
-100.0 To -99.98%



29

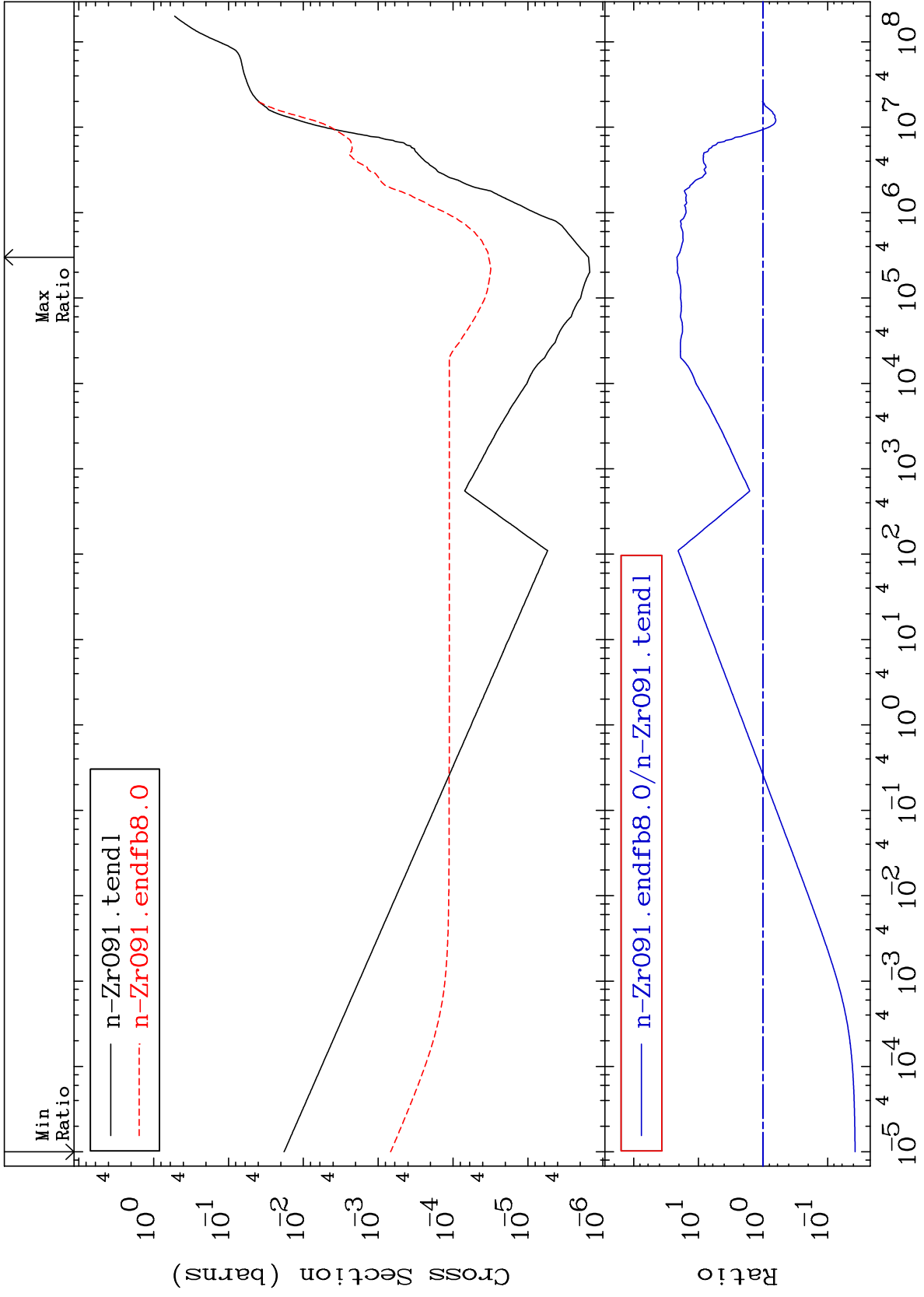
Incident Energy (eV)

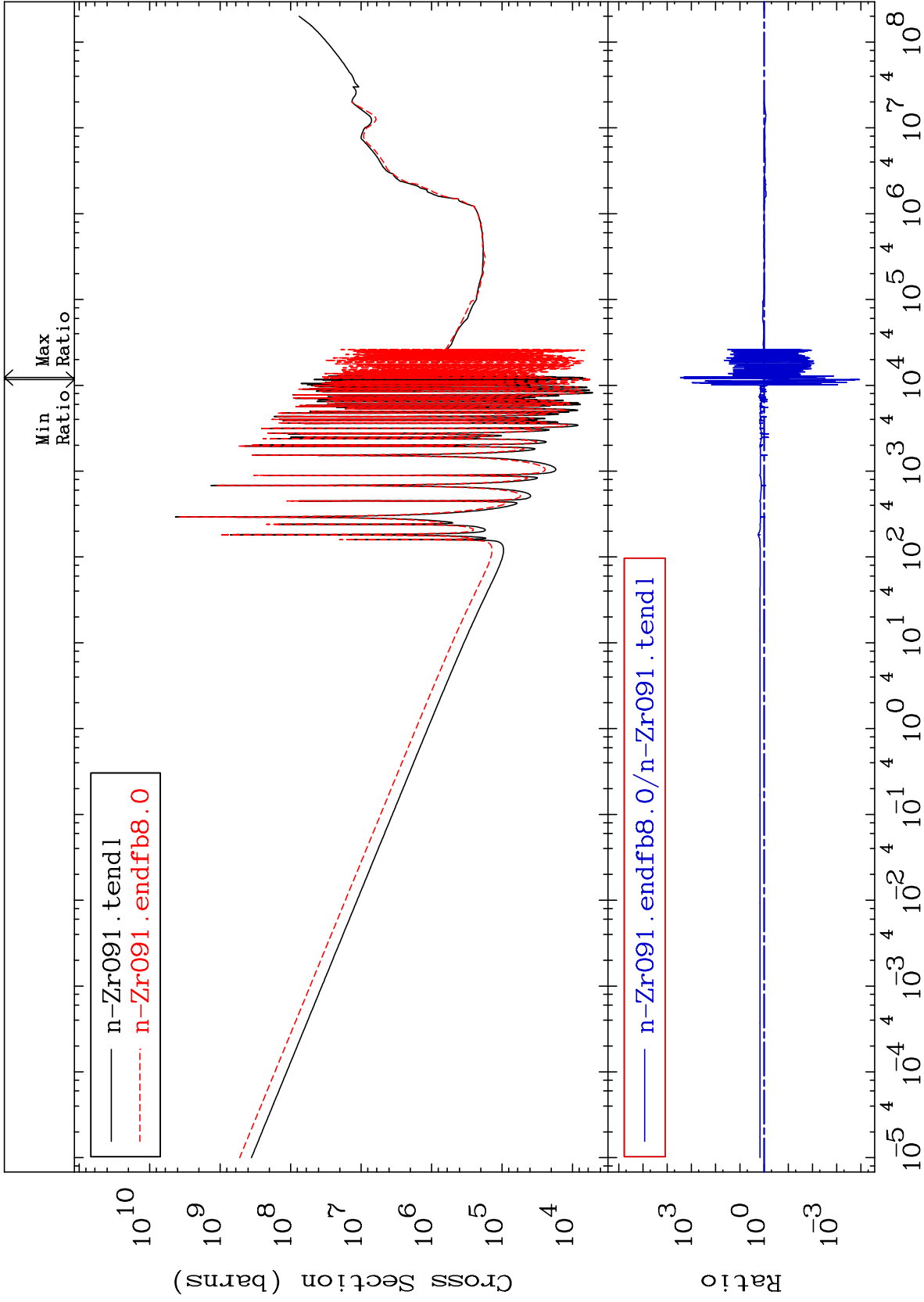
40-Zr-91

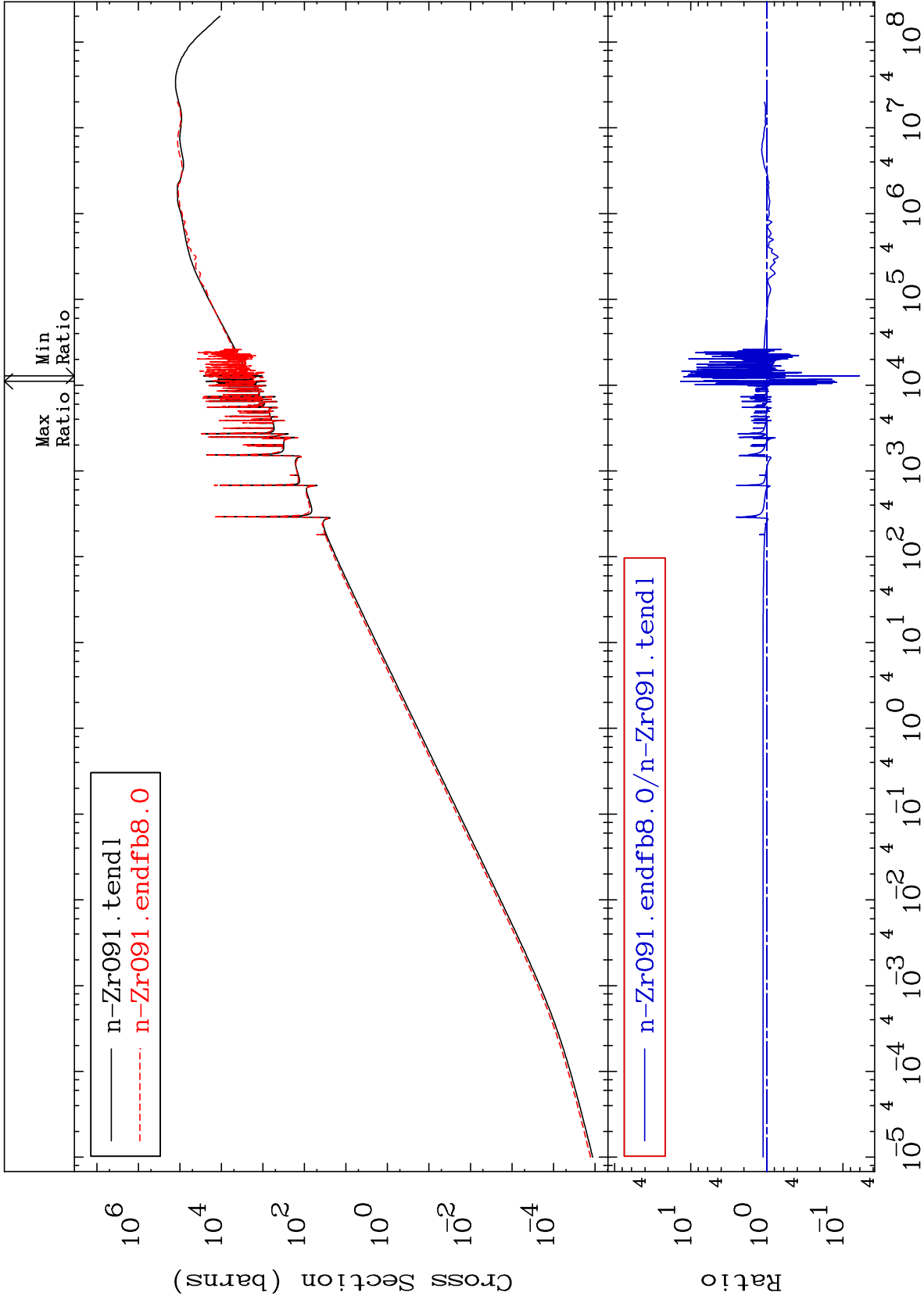
MAT 4028

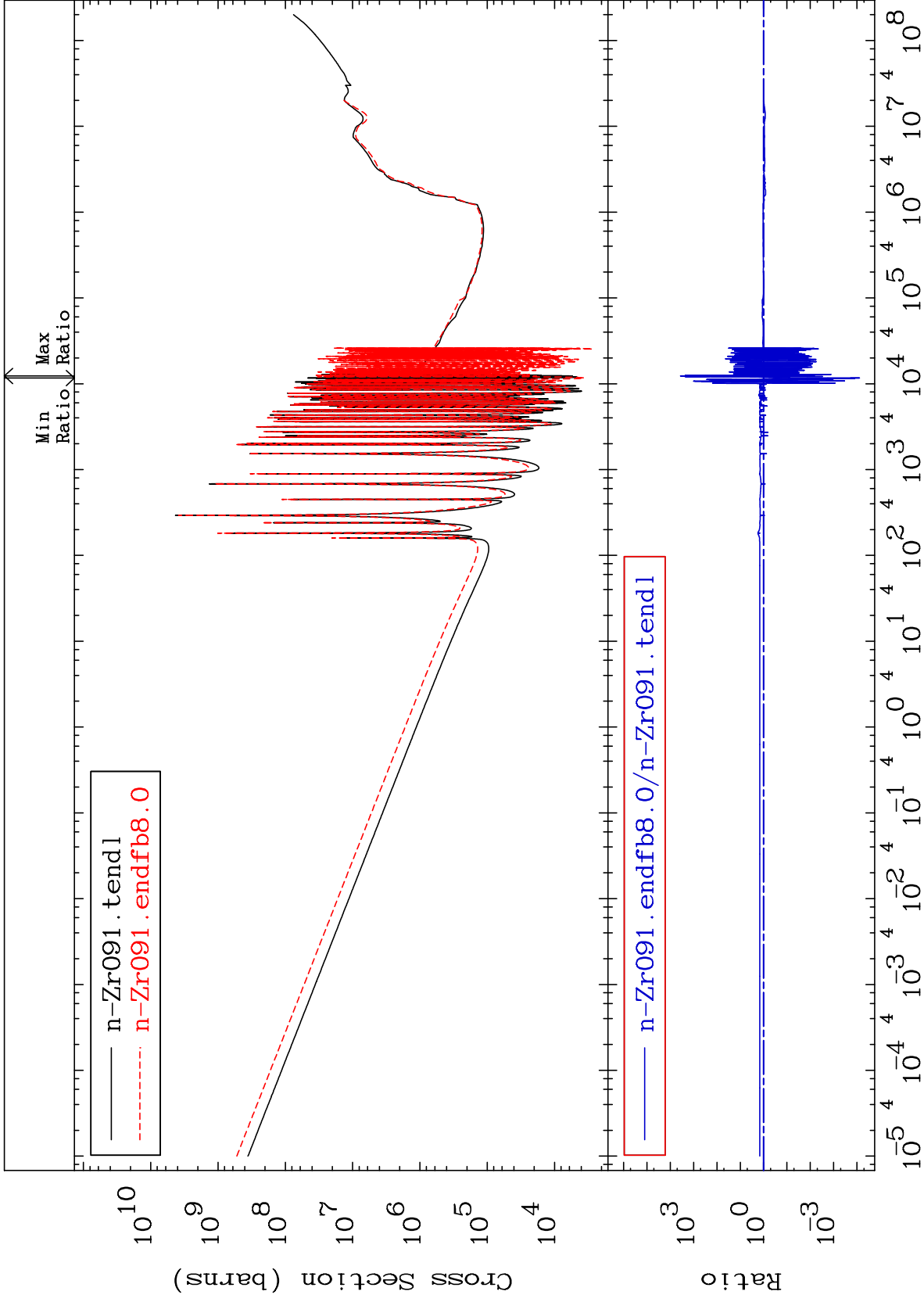
He-4 Production
Cross Section

40-Zr-91
-96.22 To 2047. %





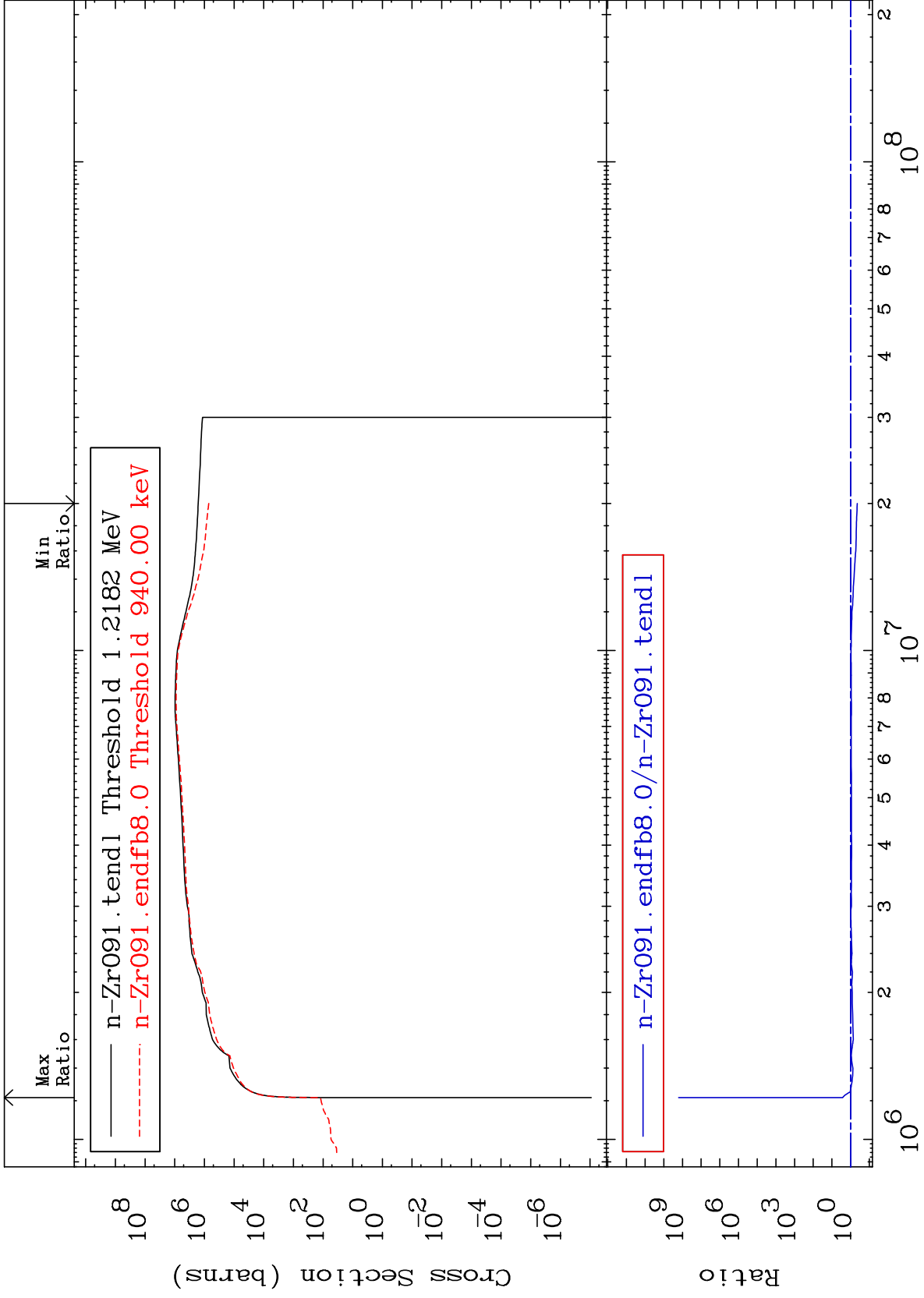




MAT 4028

Kerma inelastic (mt51-91)
Cross Section

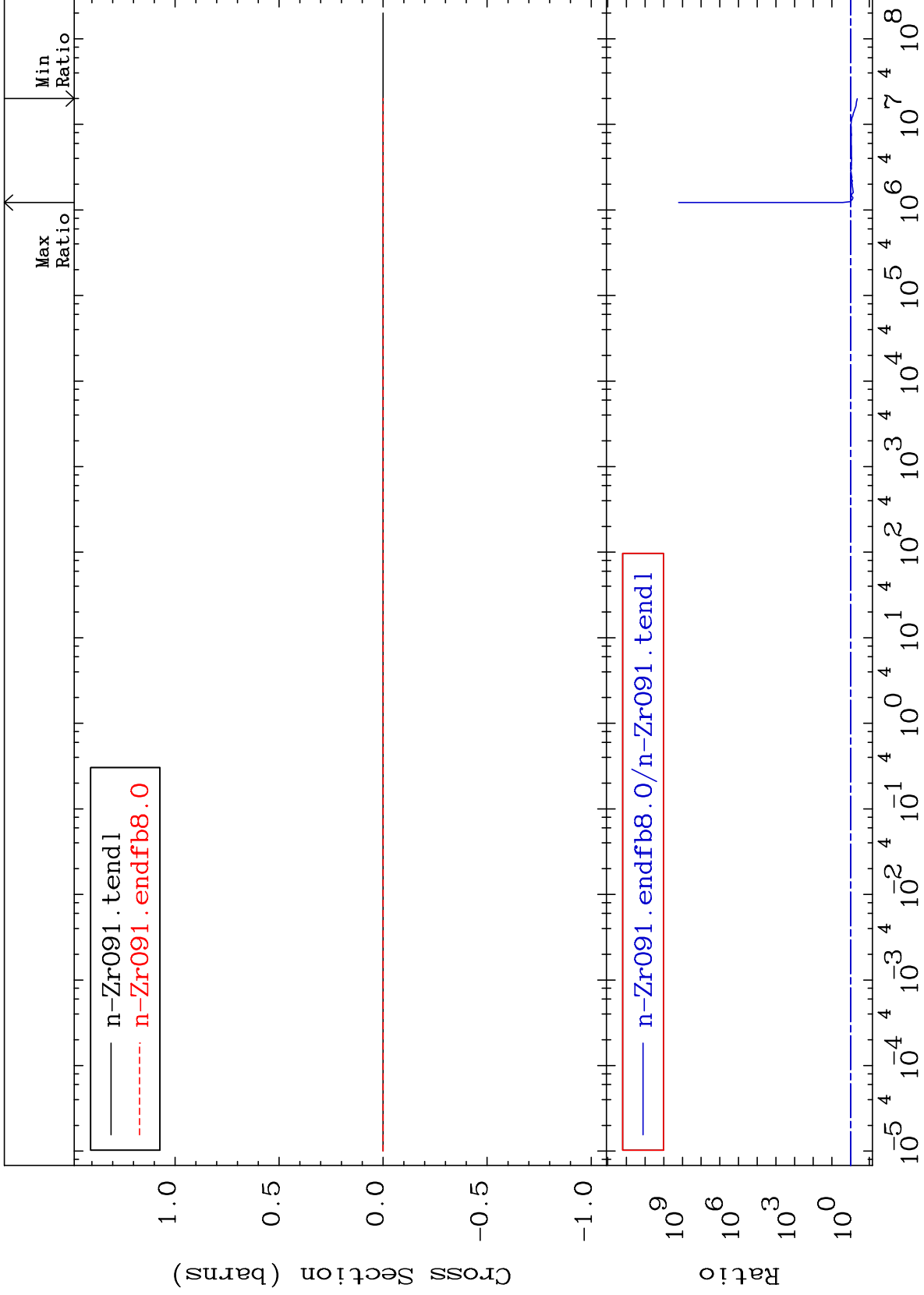
40-Zr-91
-55.79 To 9999. %

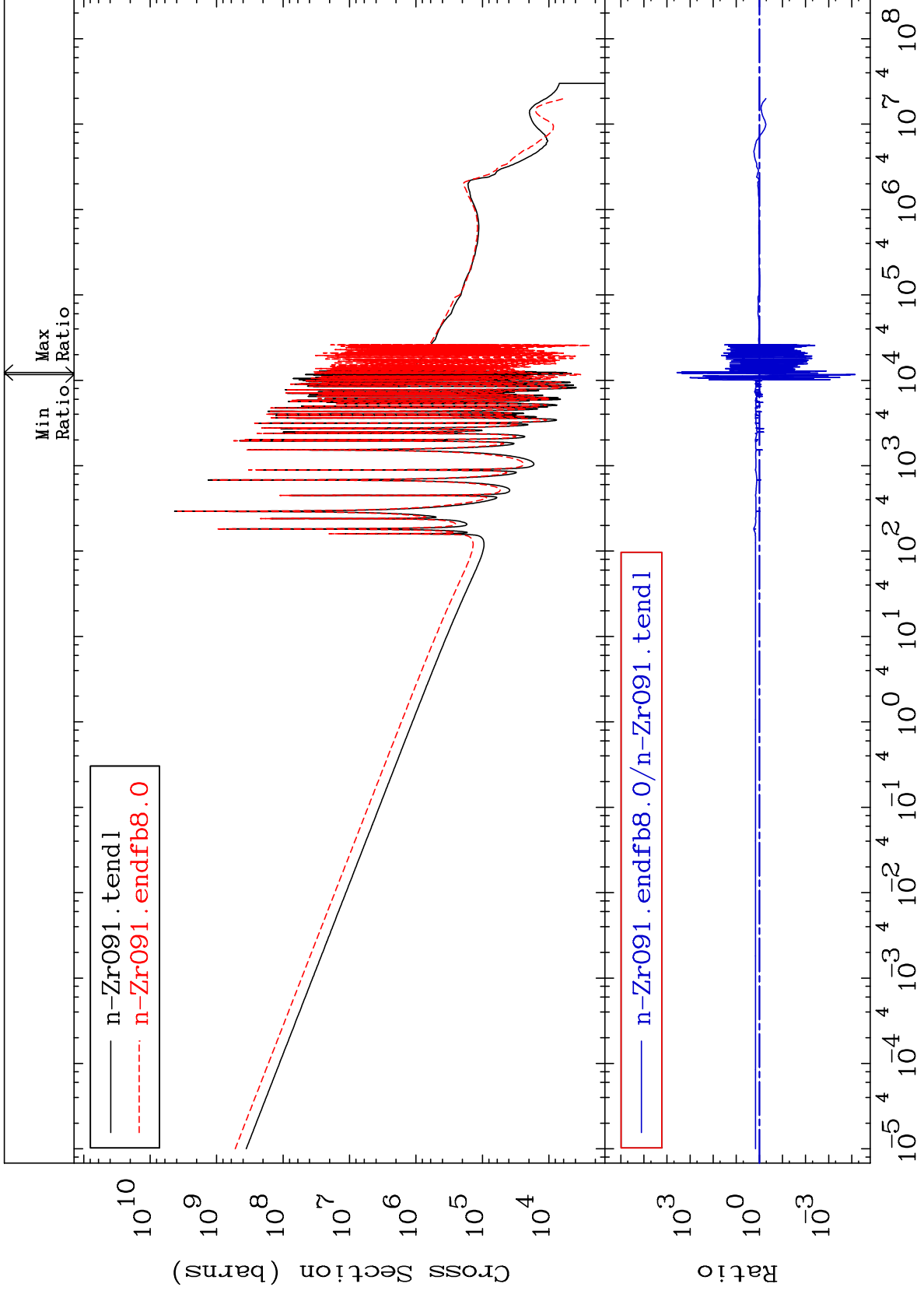


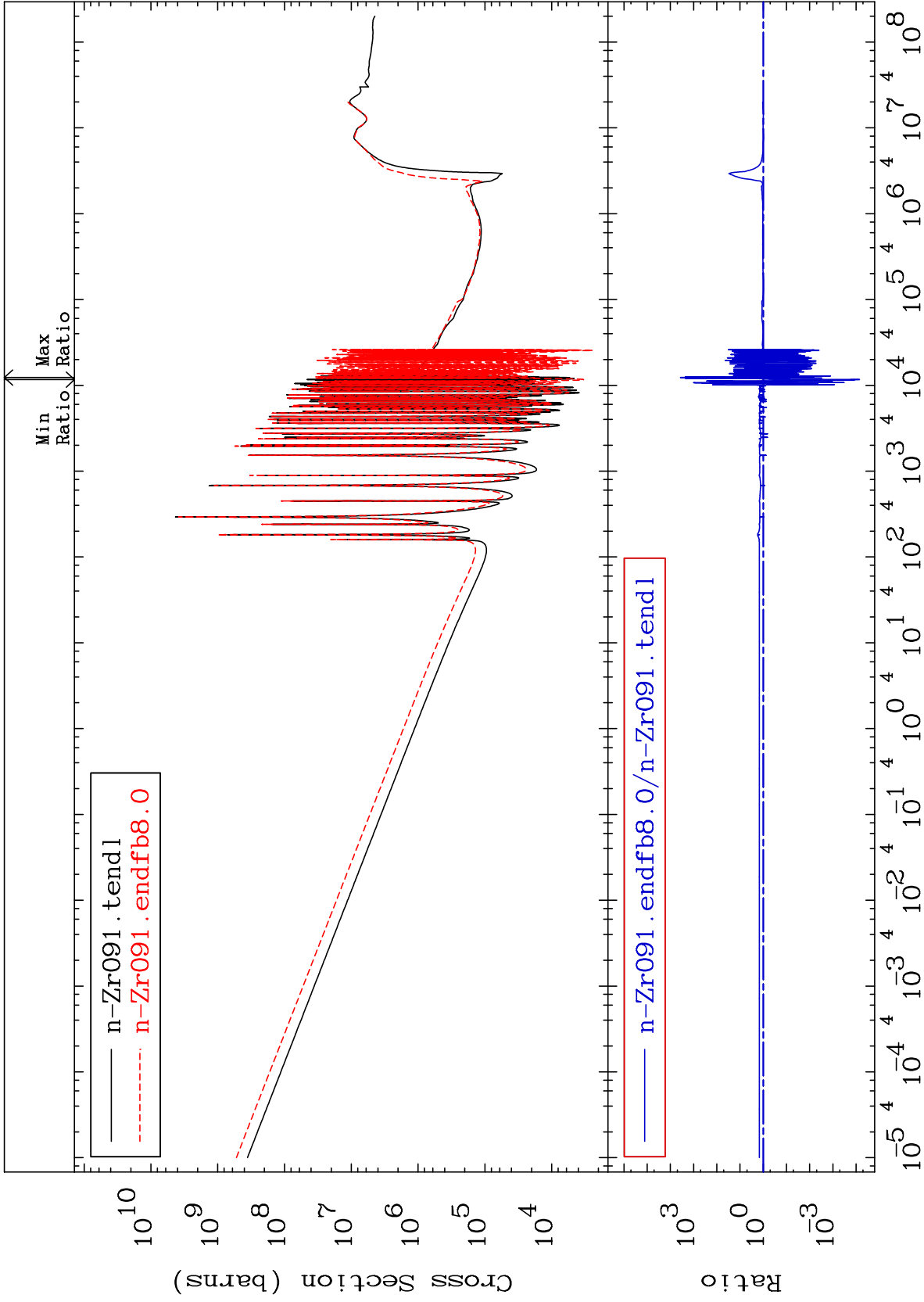
34

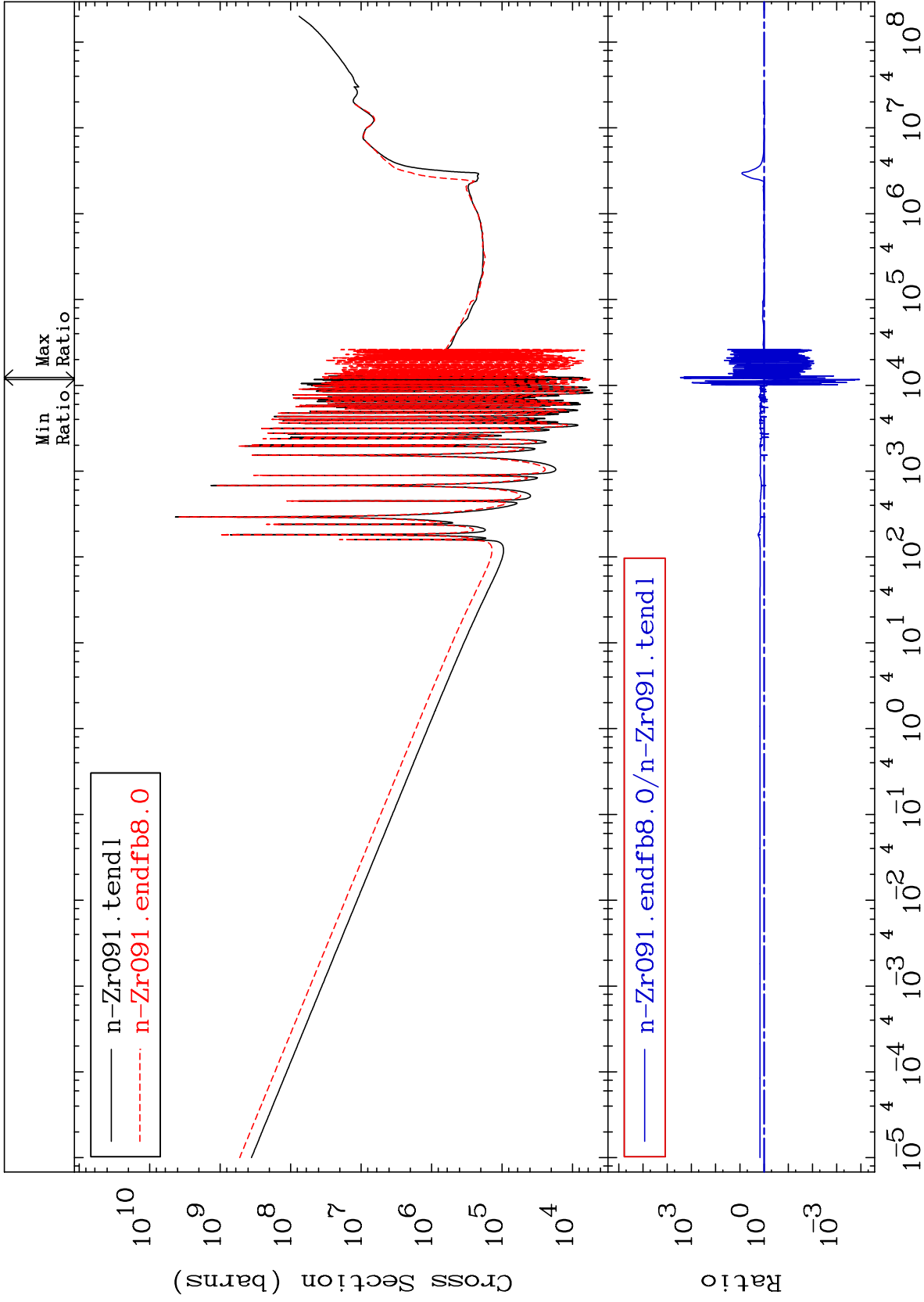
Incident Energy (eV)

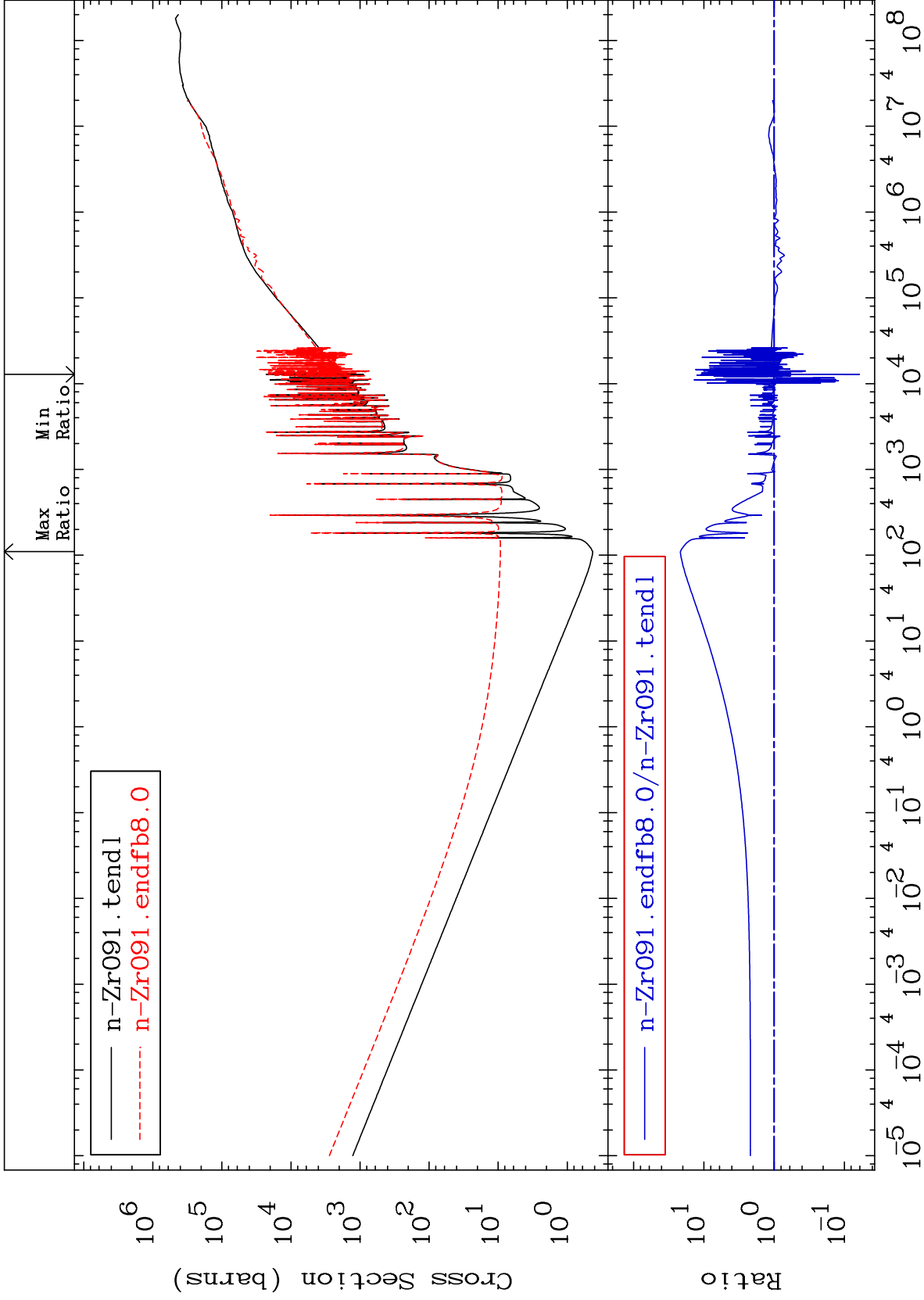
40-Zr-91







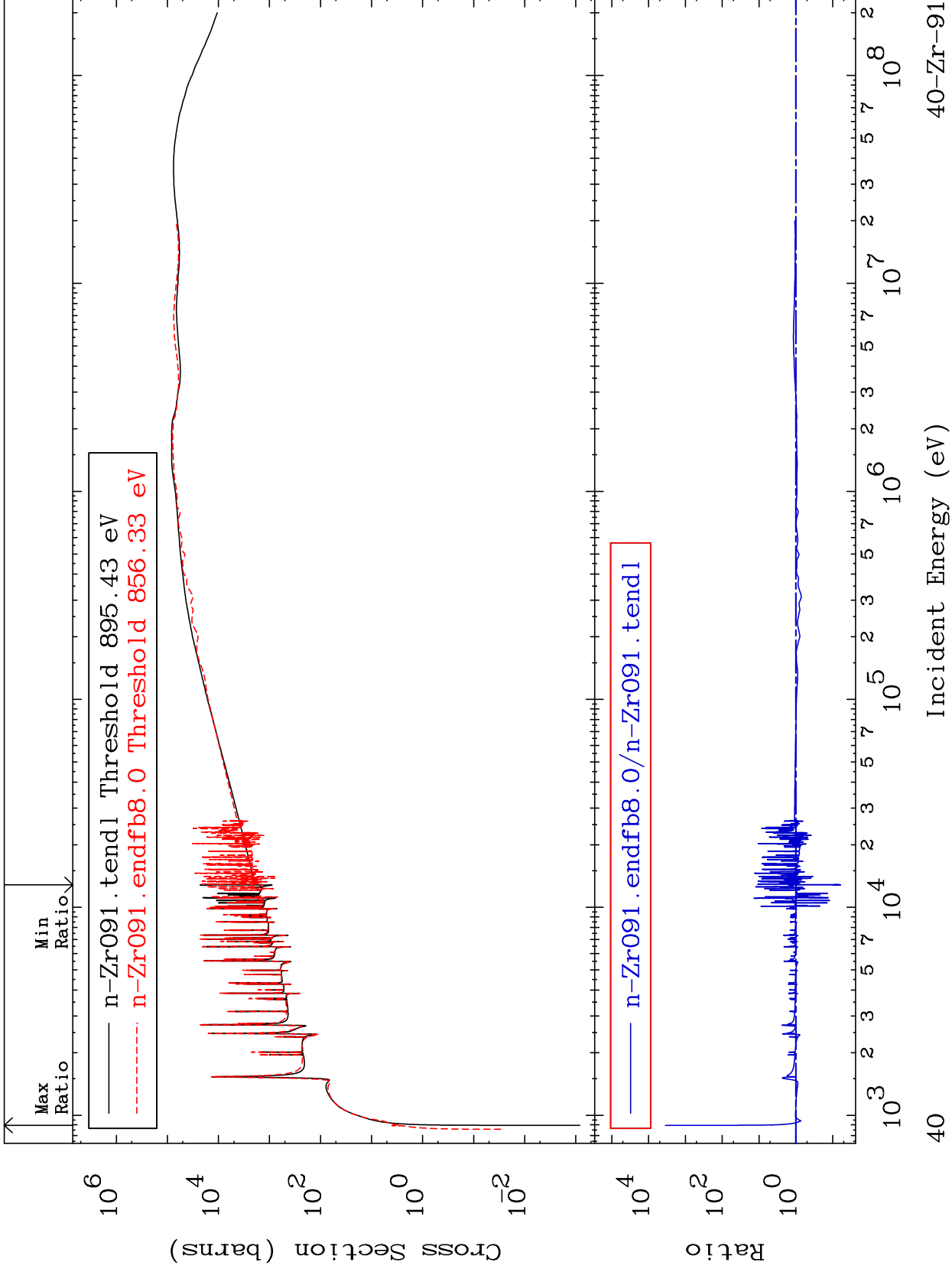




MAT 4028

Dpa elastic (mt2)
Cross Section

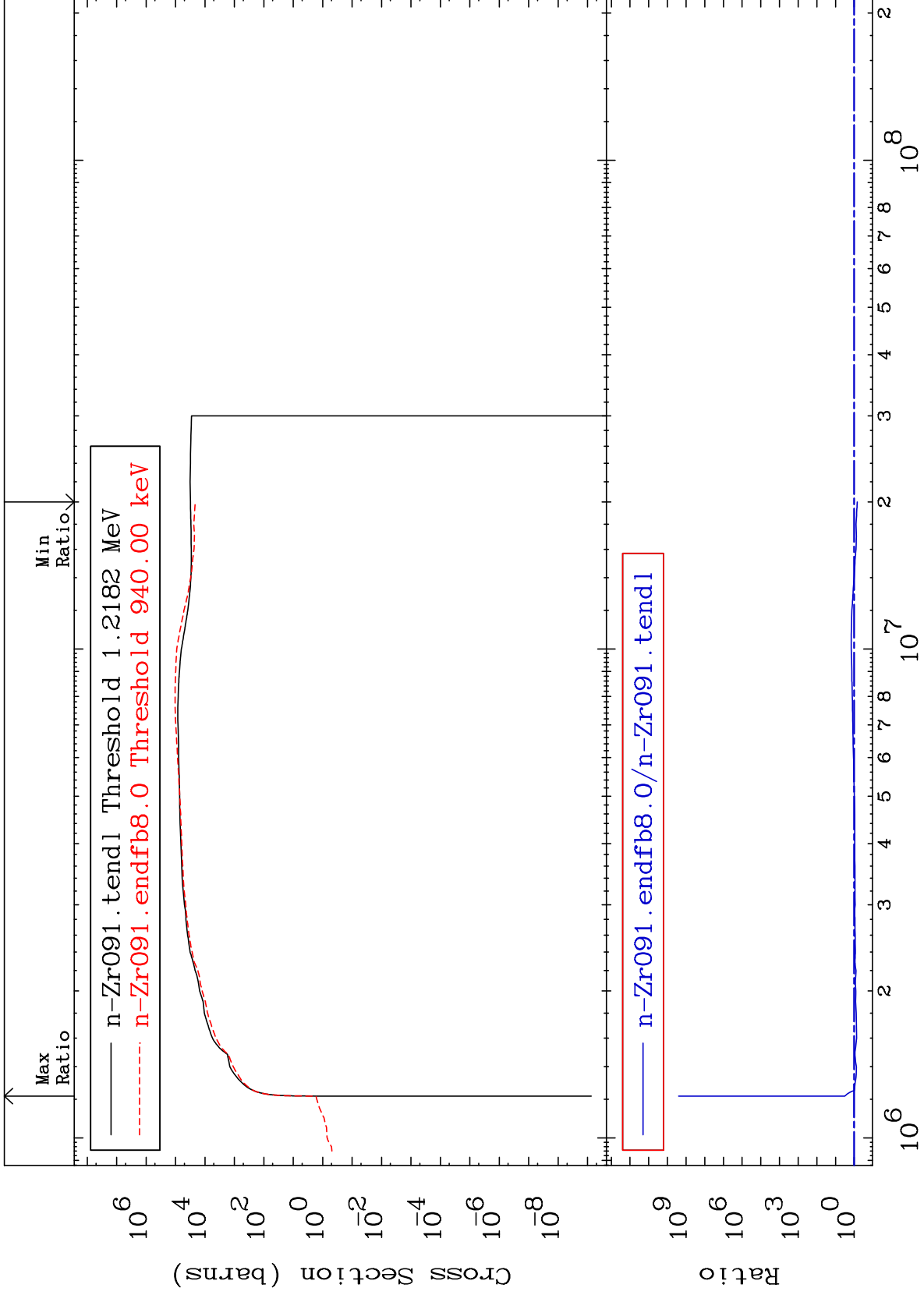
40-Zr-91
-93.92 To 9999. %



MAT 4028

Dpa inelastic (mt51-91)
Cross Section

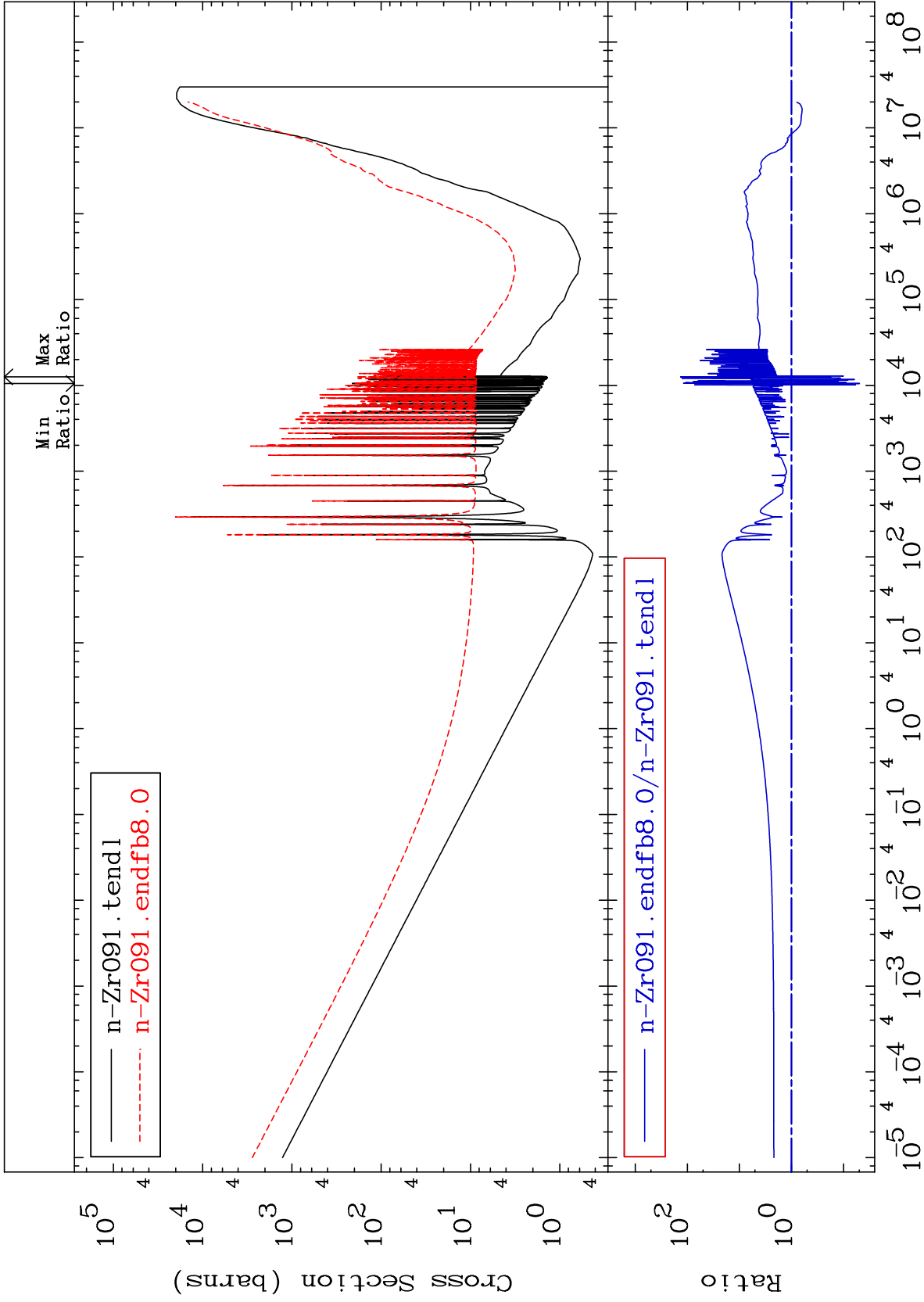
40-Zr-91
-31.20 To 9999. %



41

Incident Energy (eV)

40-Zr-91

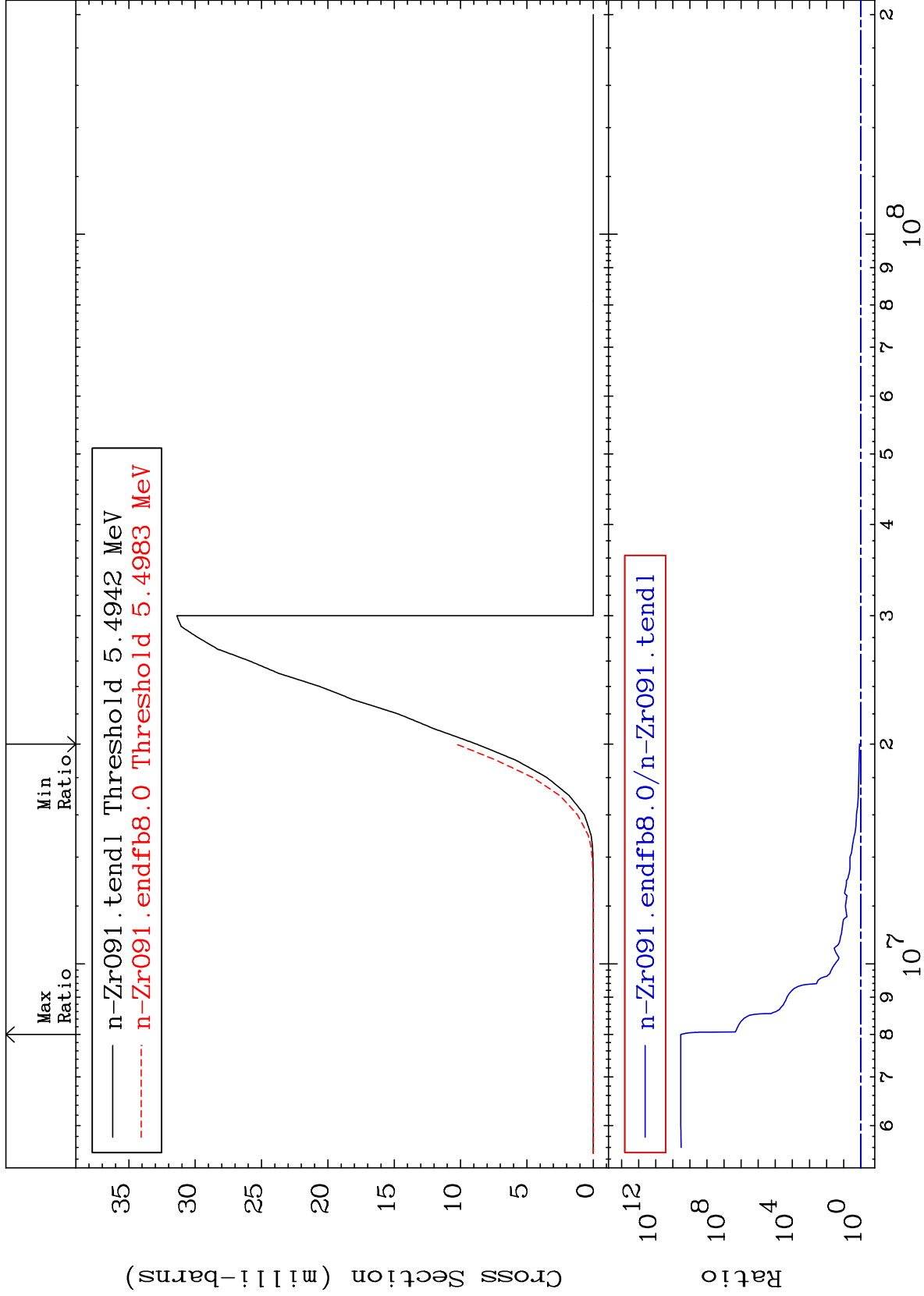


MAT 4028

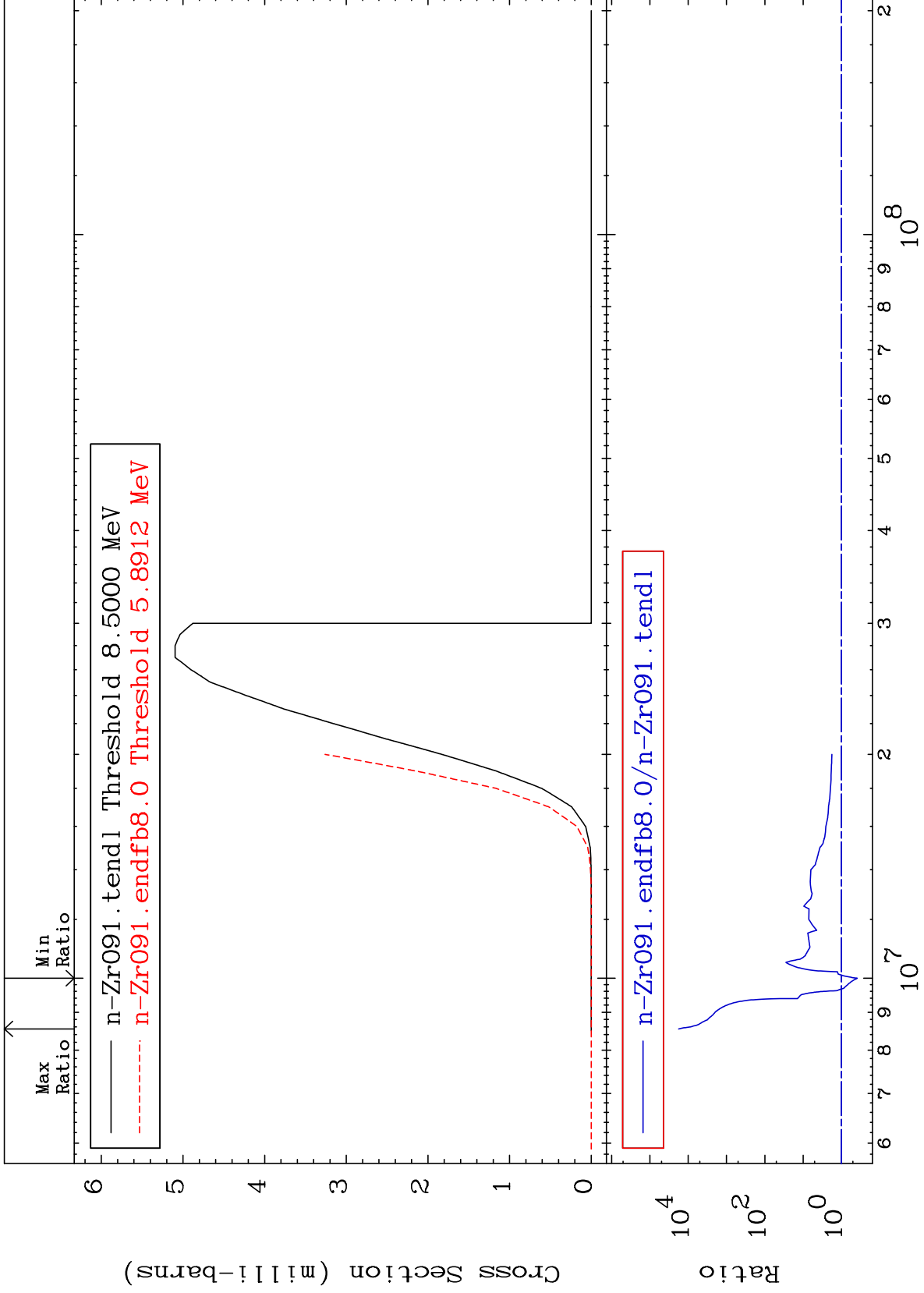
40-Zr-91

(n, n') α :38-Sr-87g

Radionuclide Production Cross Section 17.34 To 9999. %



Radionuclide Production Cross Section -61.44 To 9999. %

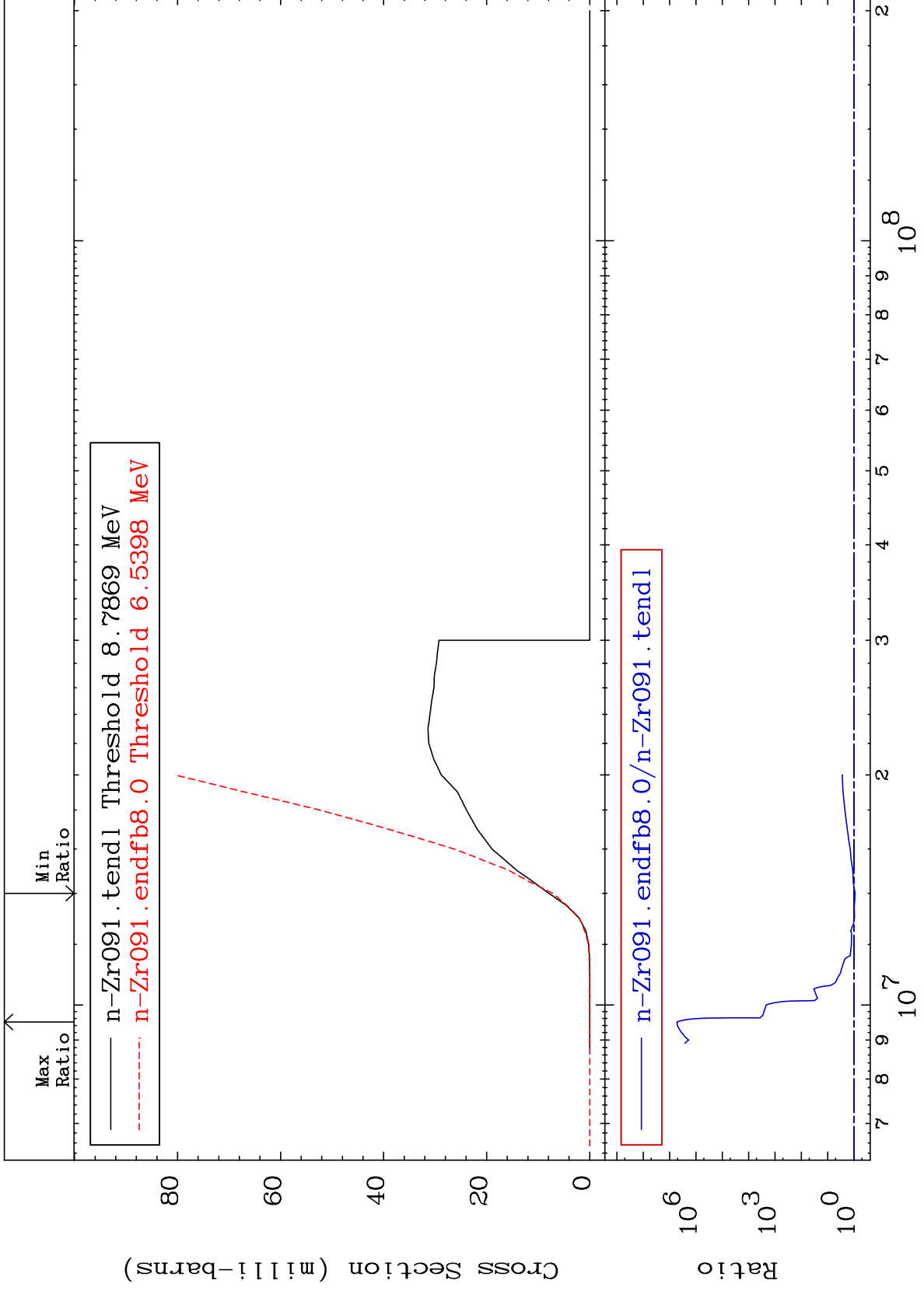


MAT 4028

(n, n') p:39-Y -90g

40-Zr-91

Radionuclide Production Cross Section -9.421 To 9999. %

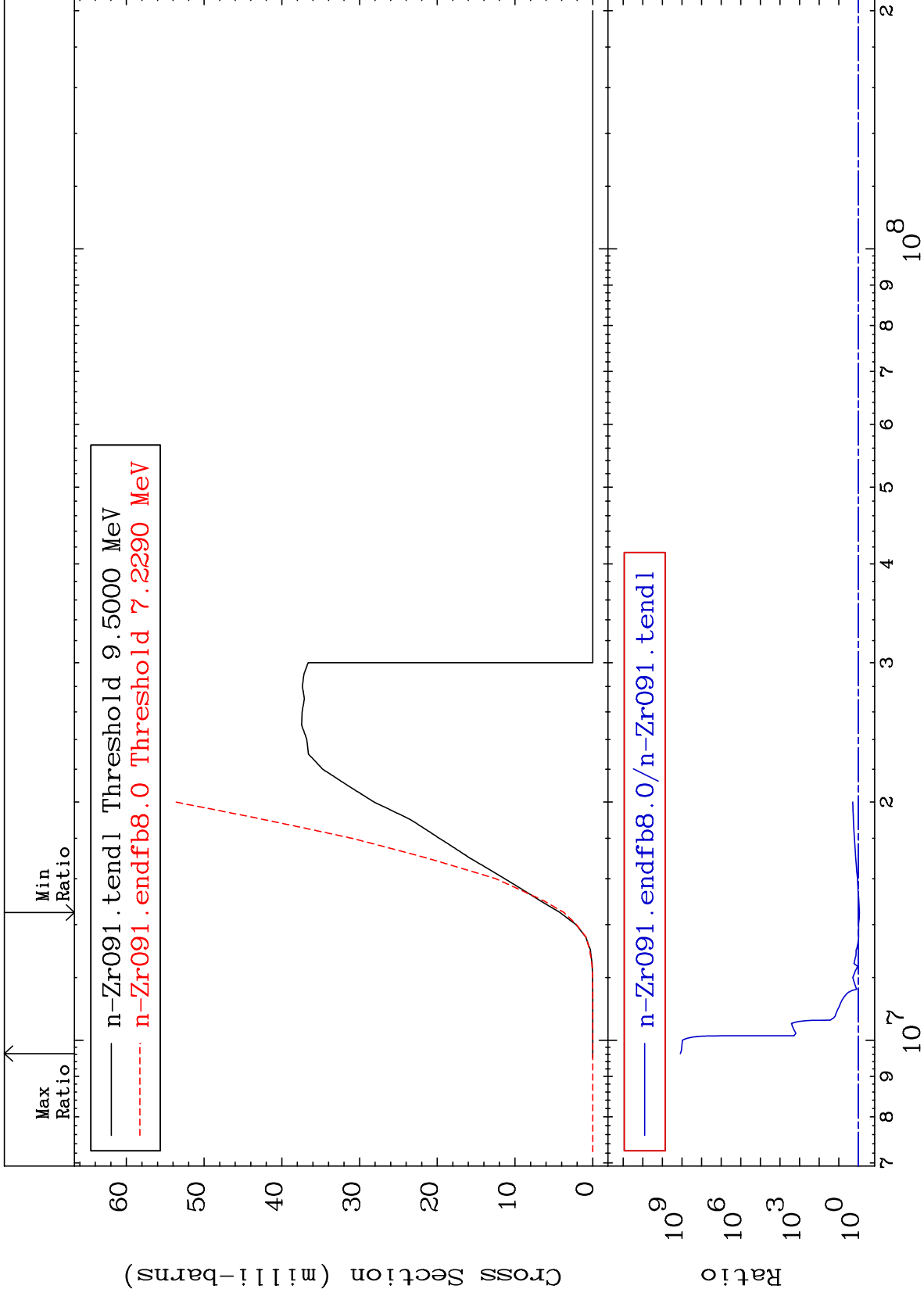


45

Incident Energy (eV)

40-Zr-91

Radionuclide Production Cross Section -12.25 To 9999. %

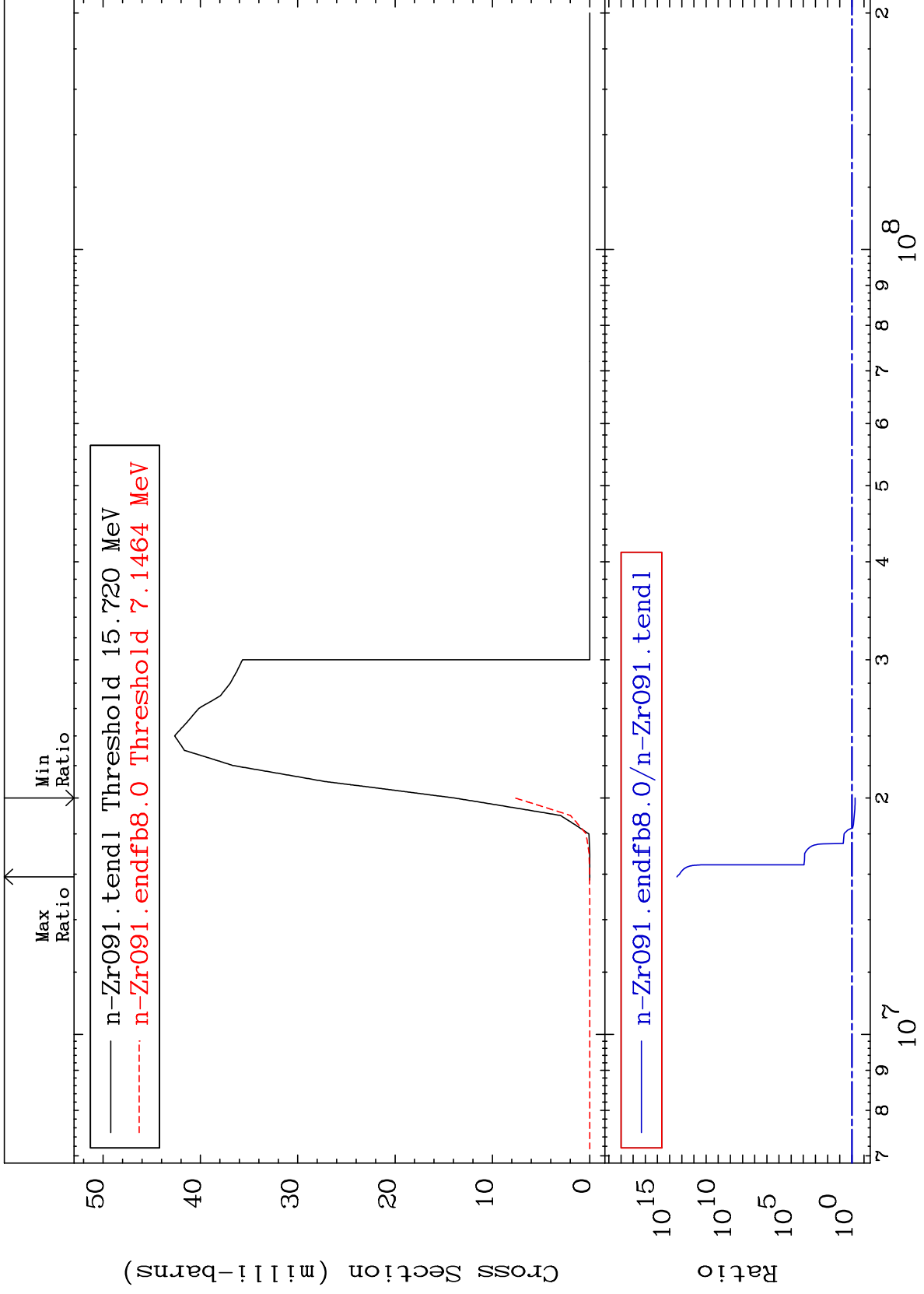


MAT 4028

(n,2n) p:39-Y -89g

40-Zr-91

Radionuclide Production Cross Section -44.84 To 9999. %



47

Incident Energy (eV)

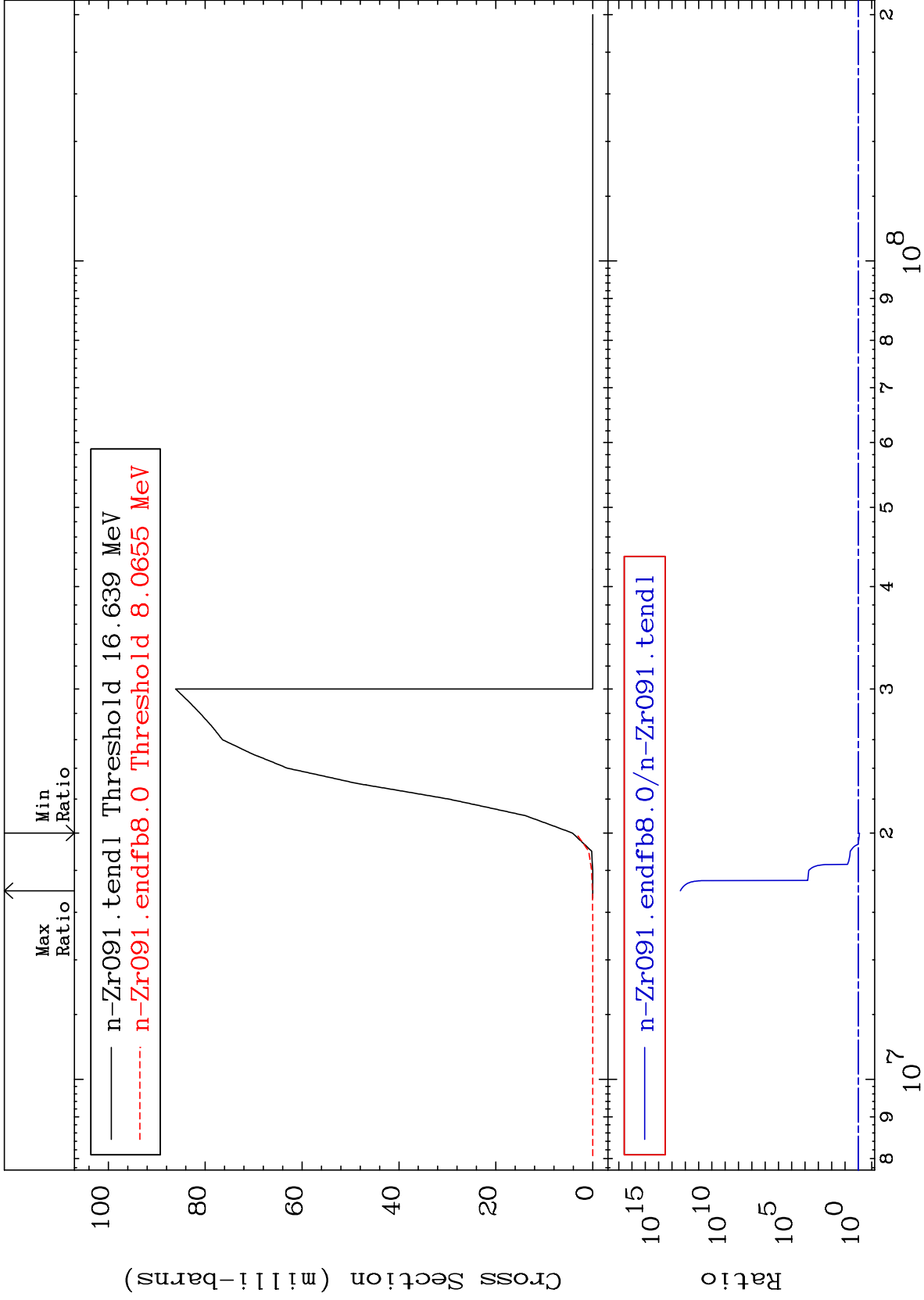
40-Zr-91

MAT 4028

(n,2n) p:39-Y -89m1

40-Zr-91

Radionuclide Production Cross Section -17.49 To 9999. %



48

Incident Energy (eV)

40-Zr-91