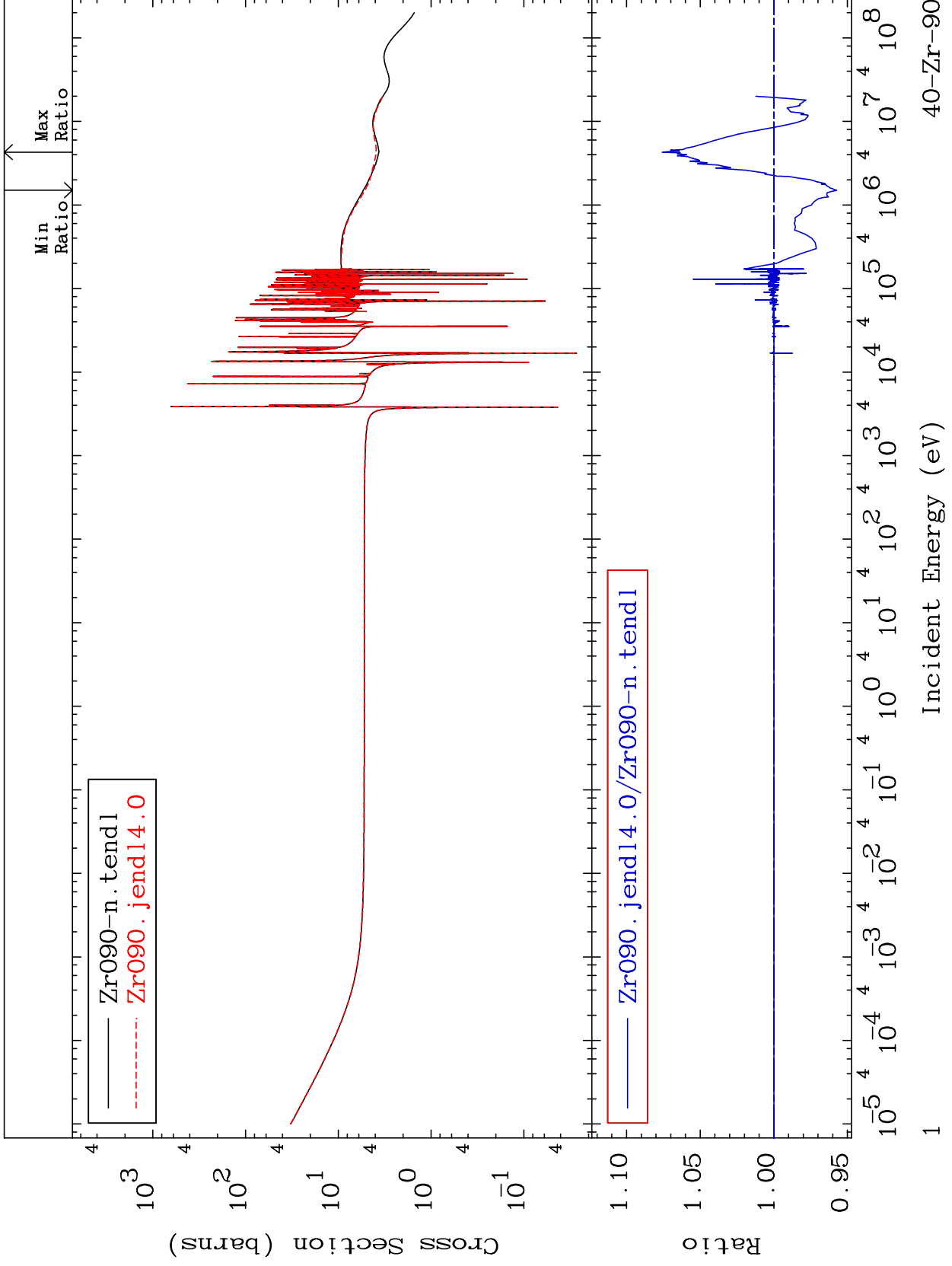


MAT 4025

Total
Cross Section

40-Zr-90
-4.263 To 7.572 %



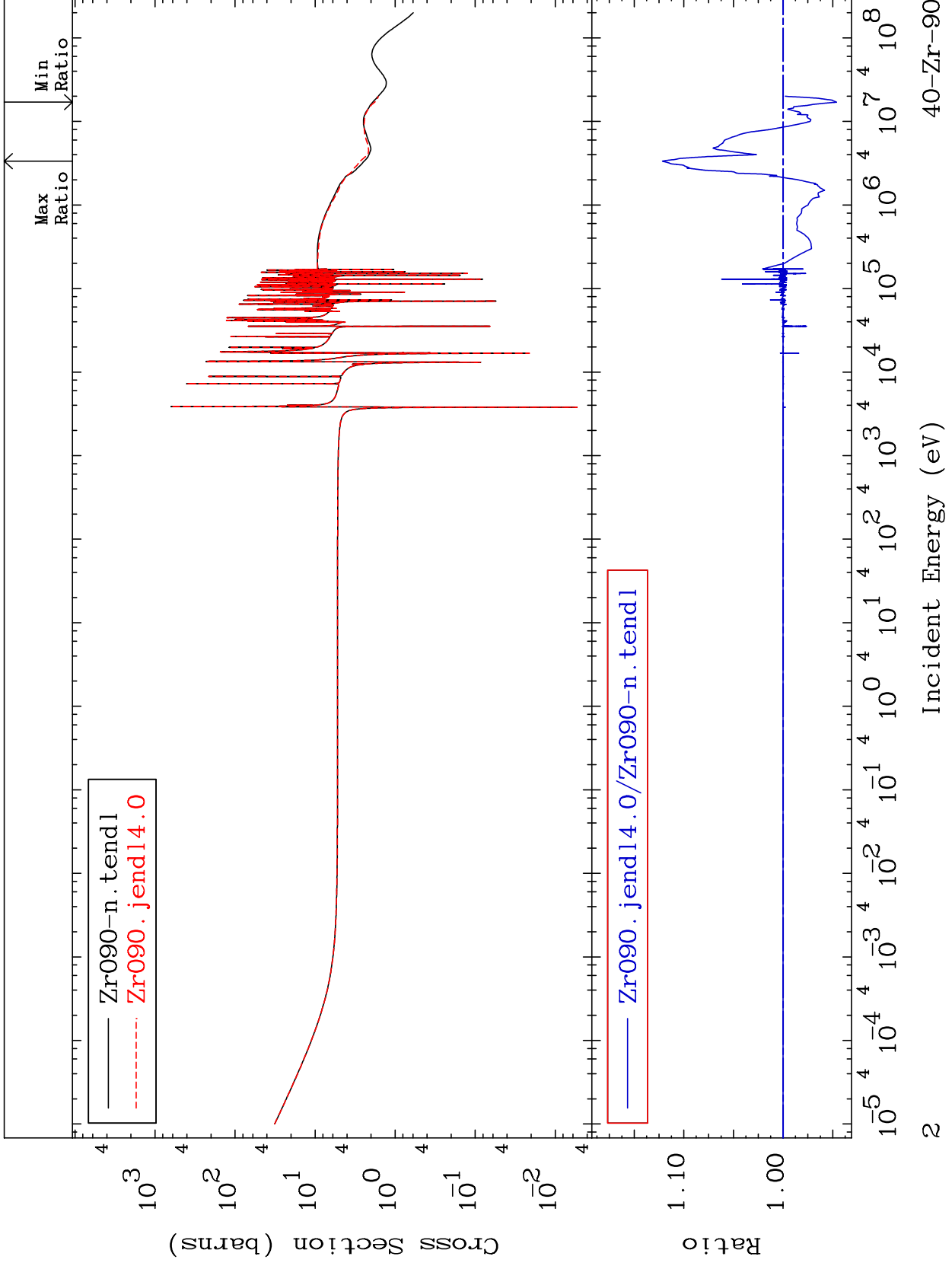
40-Zr-90

Incident Energy (eV)

MAT 4025

Elastic
Cross Section

40-Zr-90
-5.395 To 12.17 %



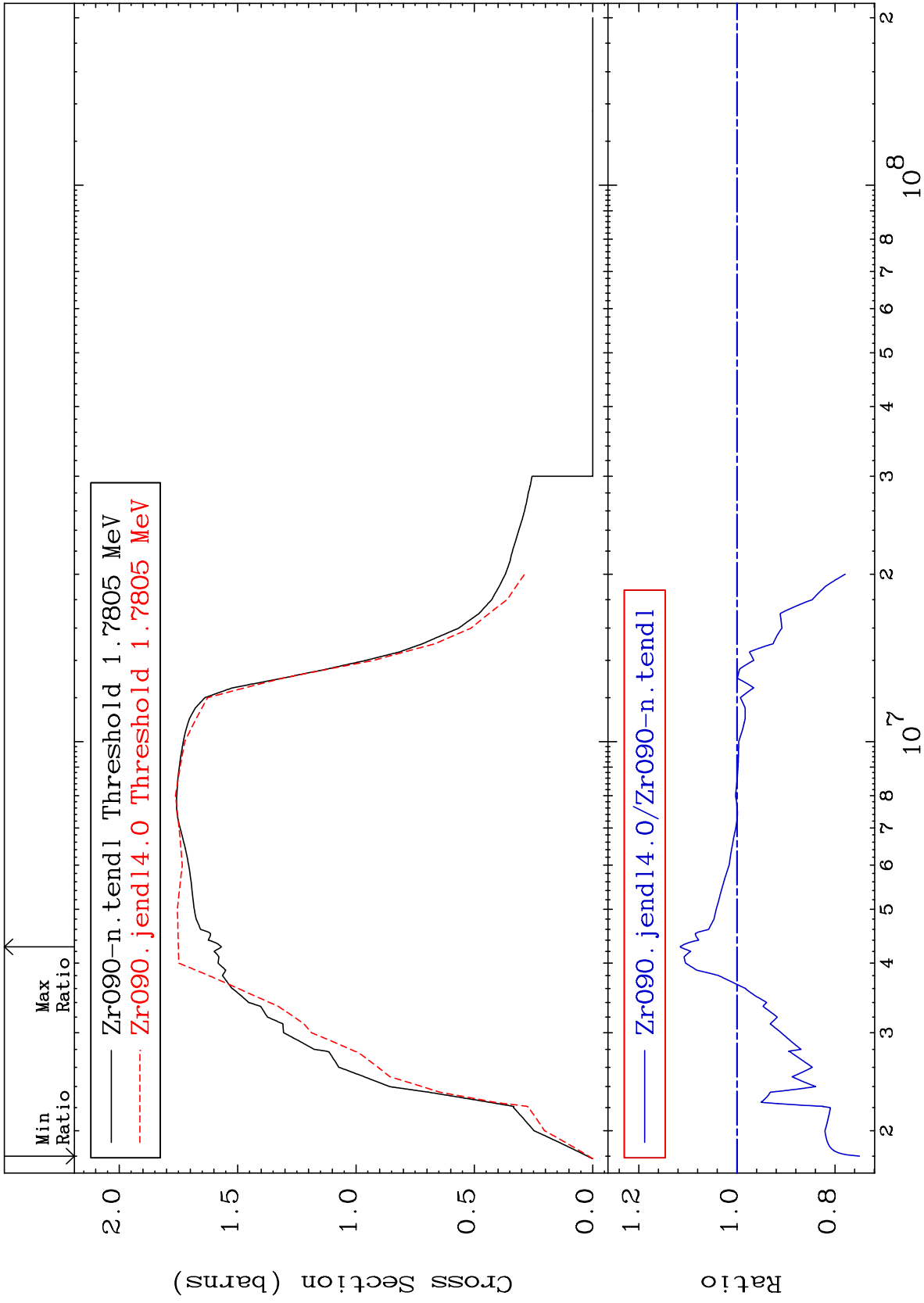
40-Zr-90

Incident Energy (eV)

MAT 4025

Inelastic
Cross Section

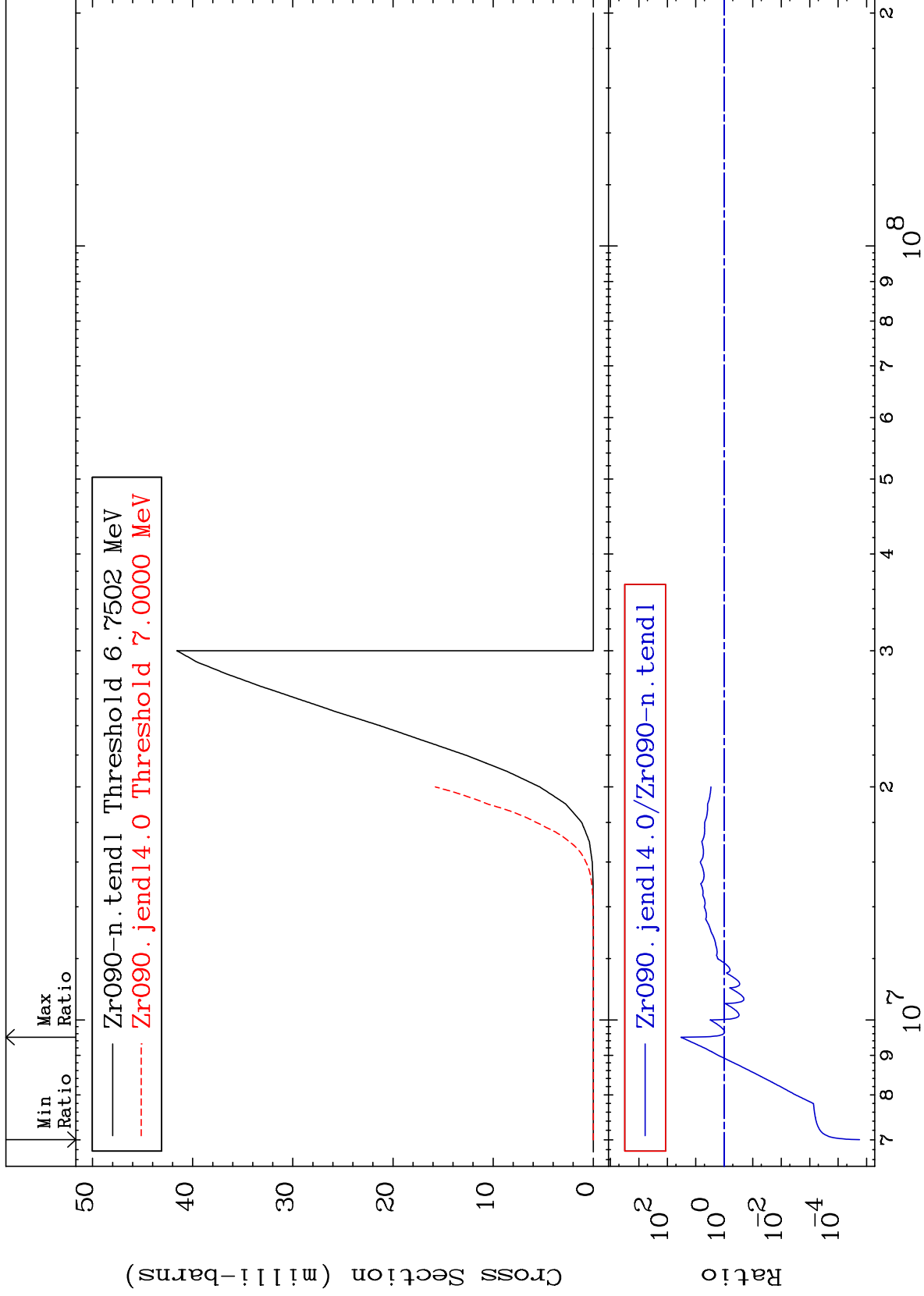
40-Zr-90
-24.97 To 11.53 %



MAT 4025

(n, n') α
Cross Section

40-Zr-90
-100.0 To 3274. %



5

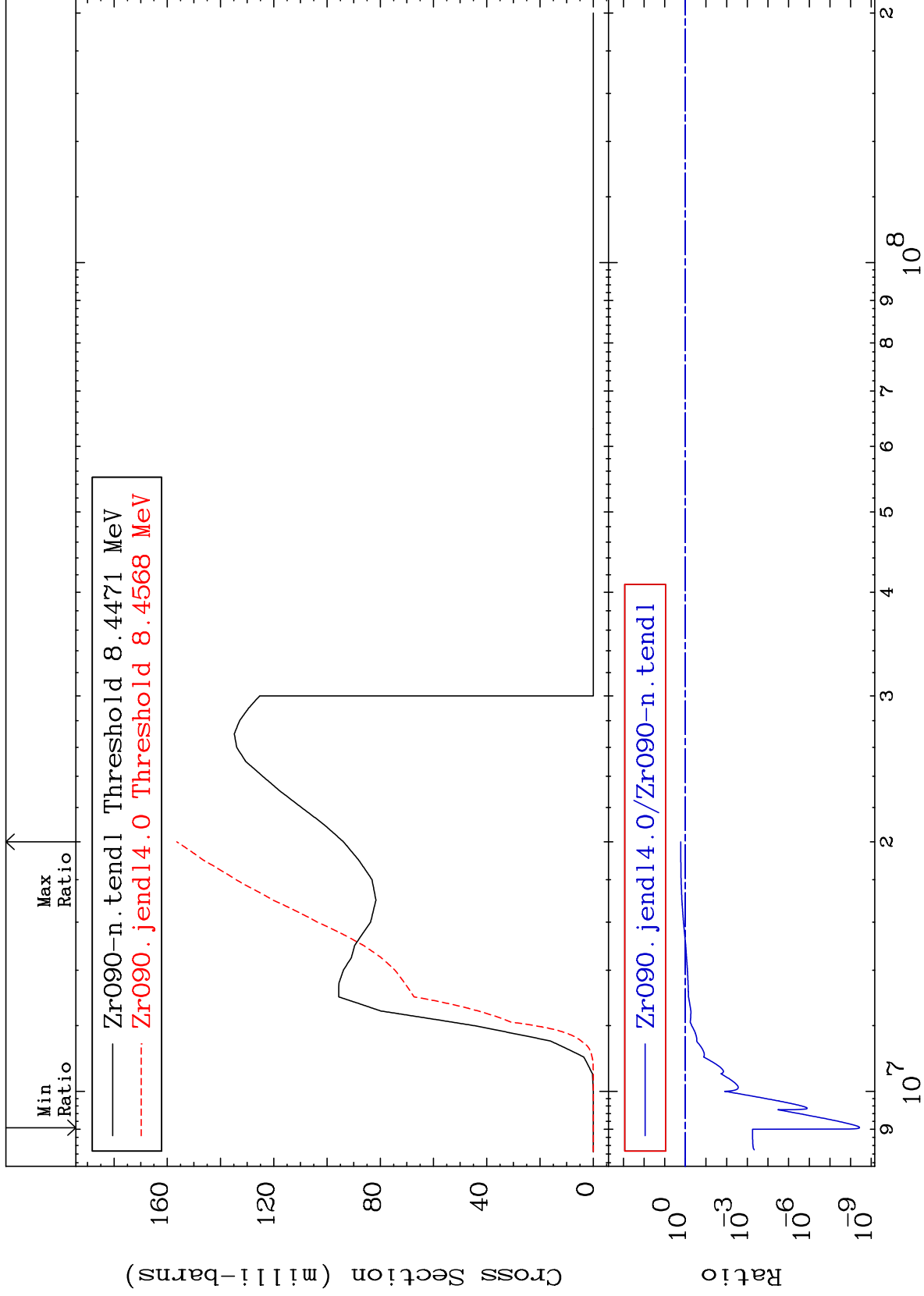
40-Zr-90

40-Zr-90

MAT 4025

(n, n') p
Cross Section

40-Zr-90
-100.0 To 66.70 %



6

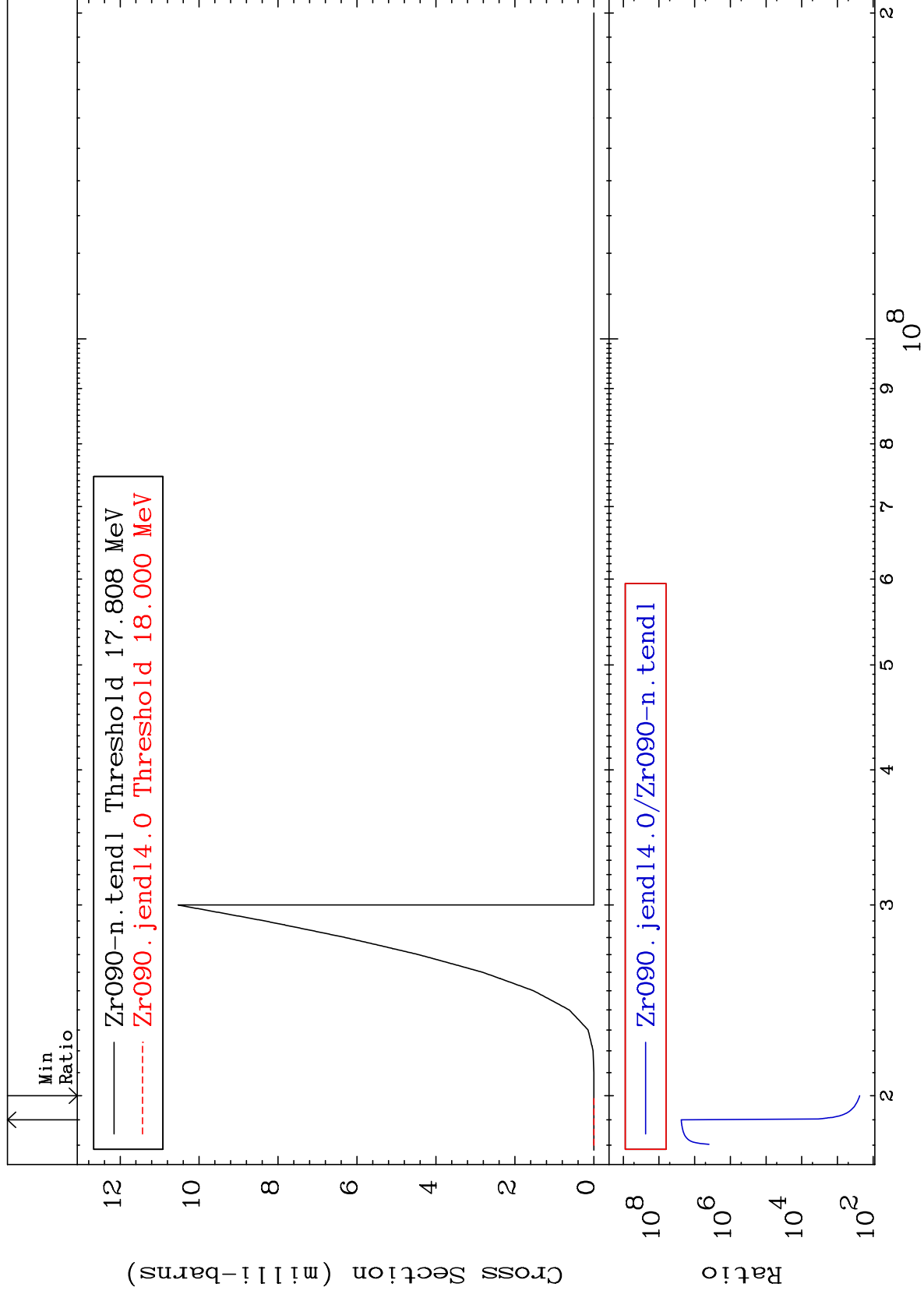
Incident Energy (eV)

40-Zr-90

MAT 4025

(n,n') d
Cross Section

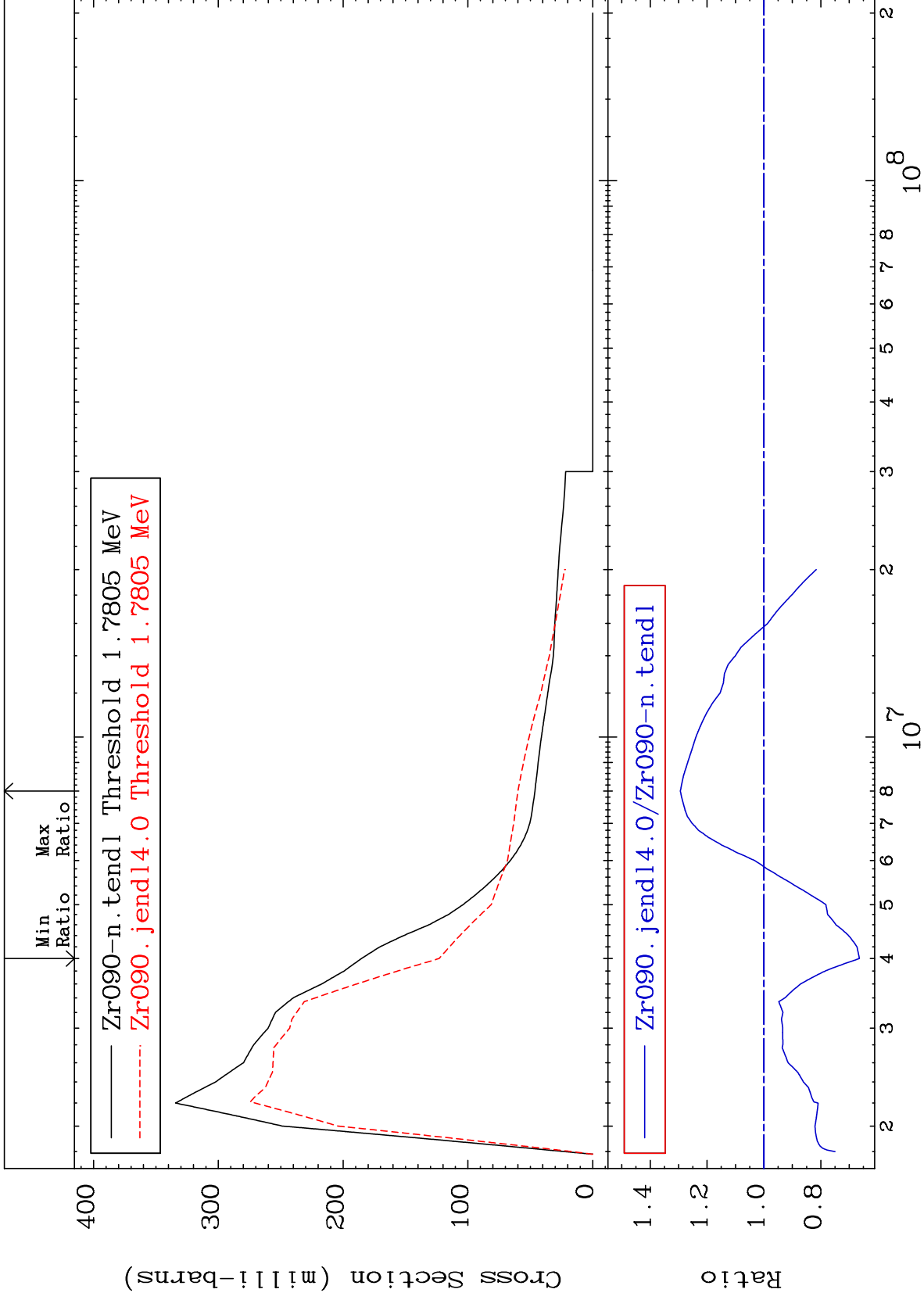
40-Zr-90
9999. To 9999. %



MAT 4025

1.761 MeV (n,n') Level
Cross Section

40-Zr-90
-33.58 To 29.39 %



8

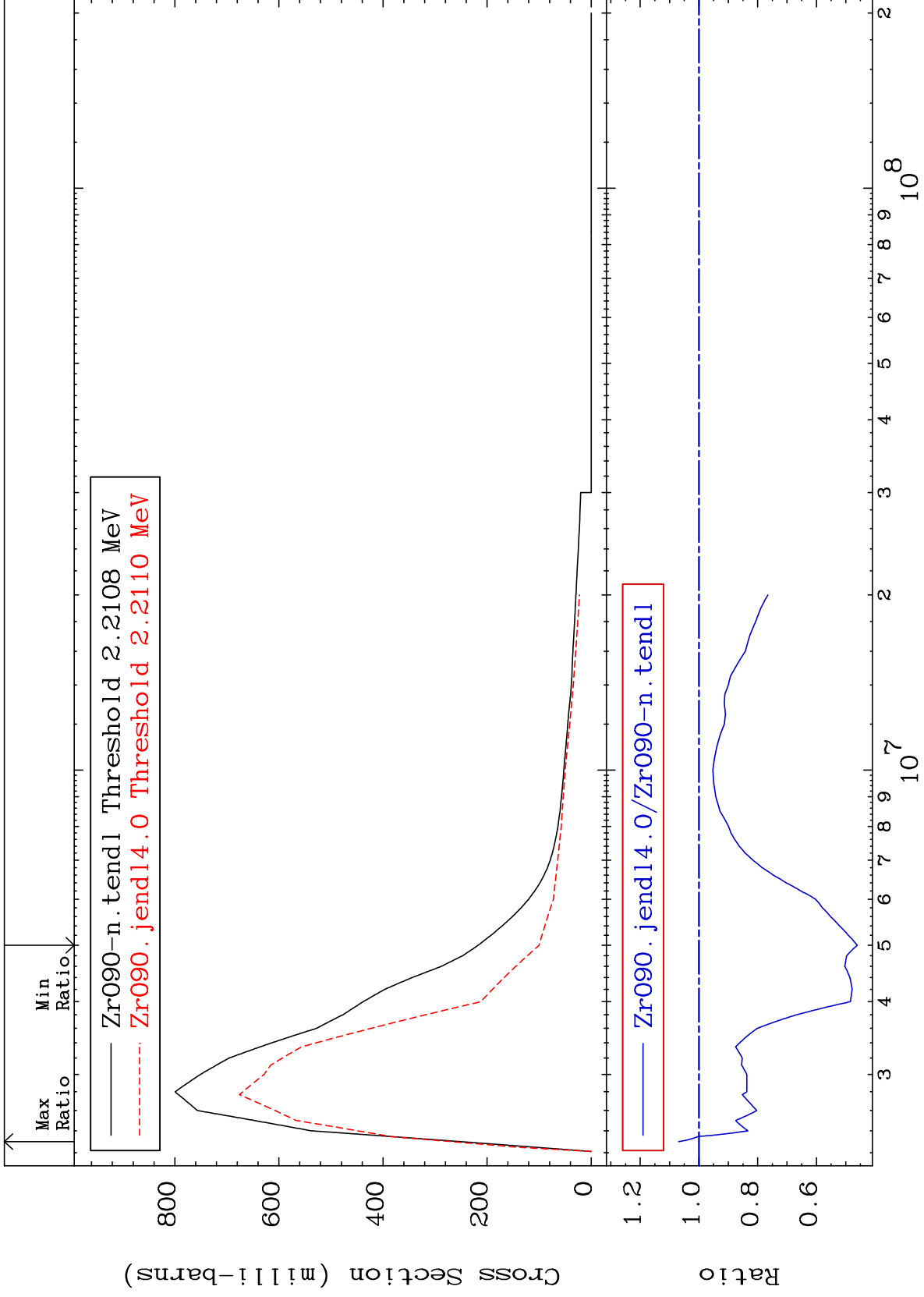
Incident Energy (eV)

40-Zr-90

MAT 4025

2.186 MeV (n,n') Level
Cross Section

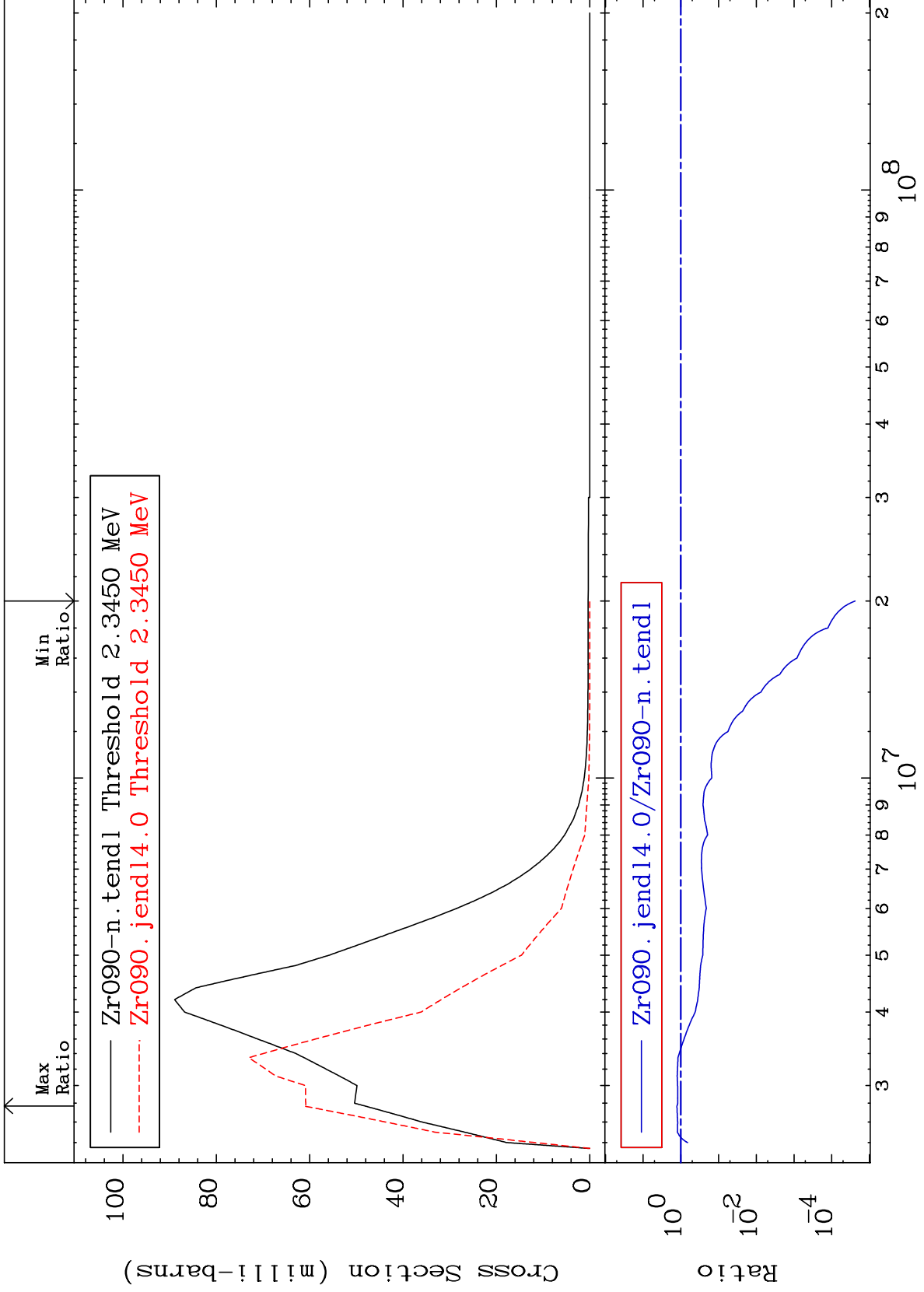
40-Zr-90
-53.90 To 6.916 %



MAT 4025

2.319 MeV (n,n') Level
Cross Section

40-Zr-90
-100.0 To 27.25 %



10

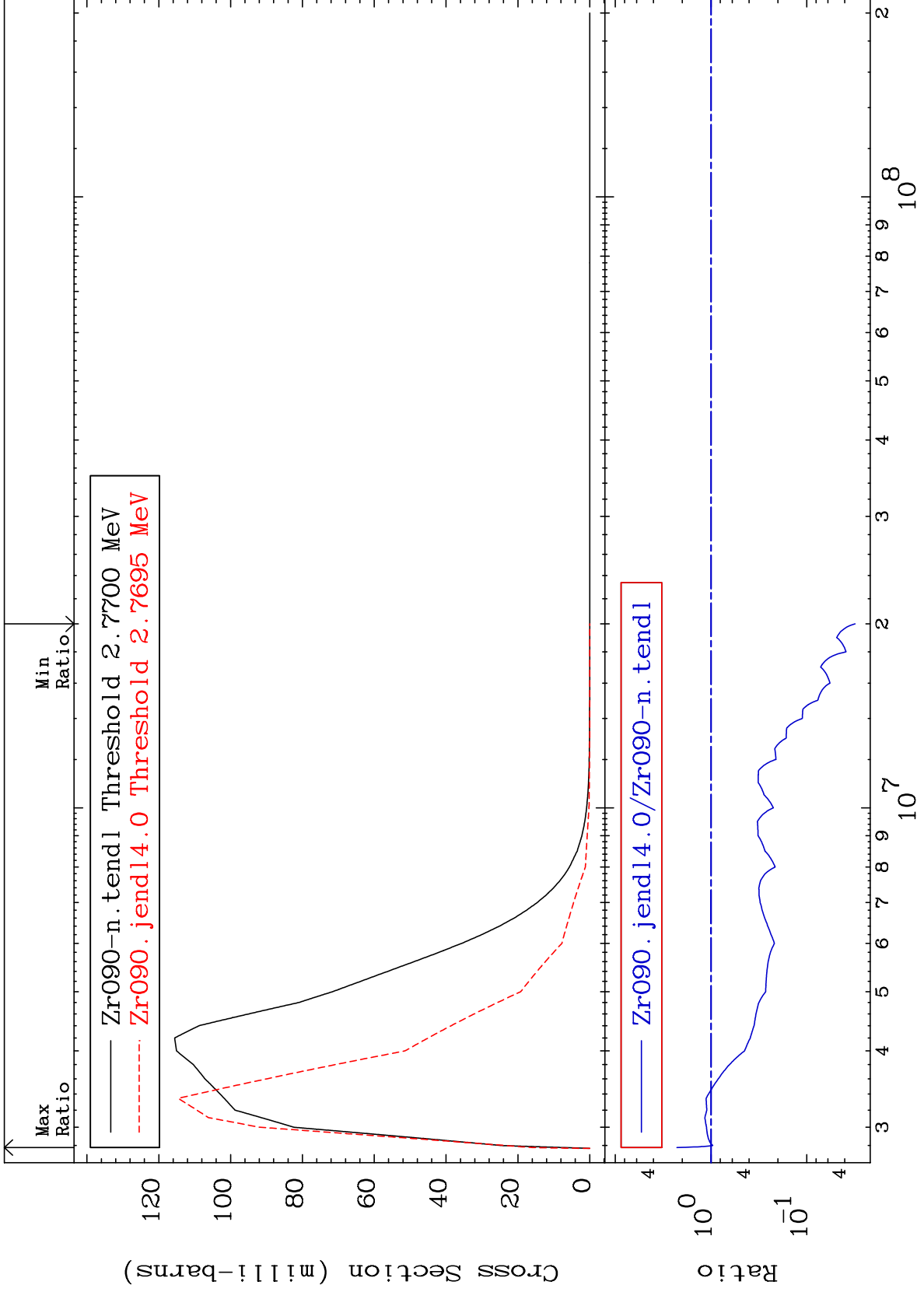
Incident Energy (eV)

40-Zr-90

MAT 4025

2.739 MeV (n,n') Level
Cross Section

40-Zr-90
-96.88 To 127.1 %



11

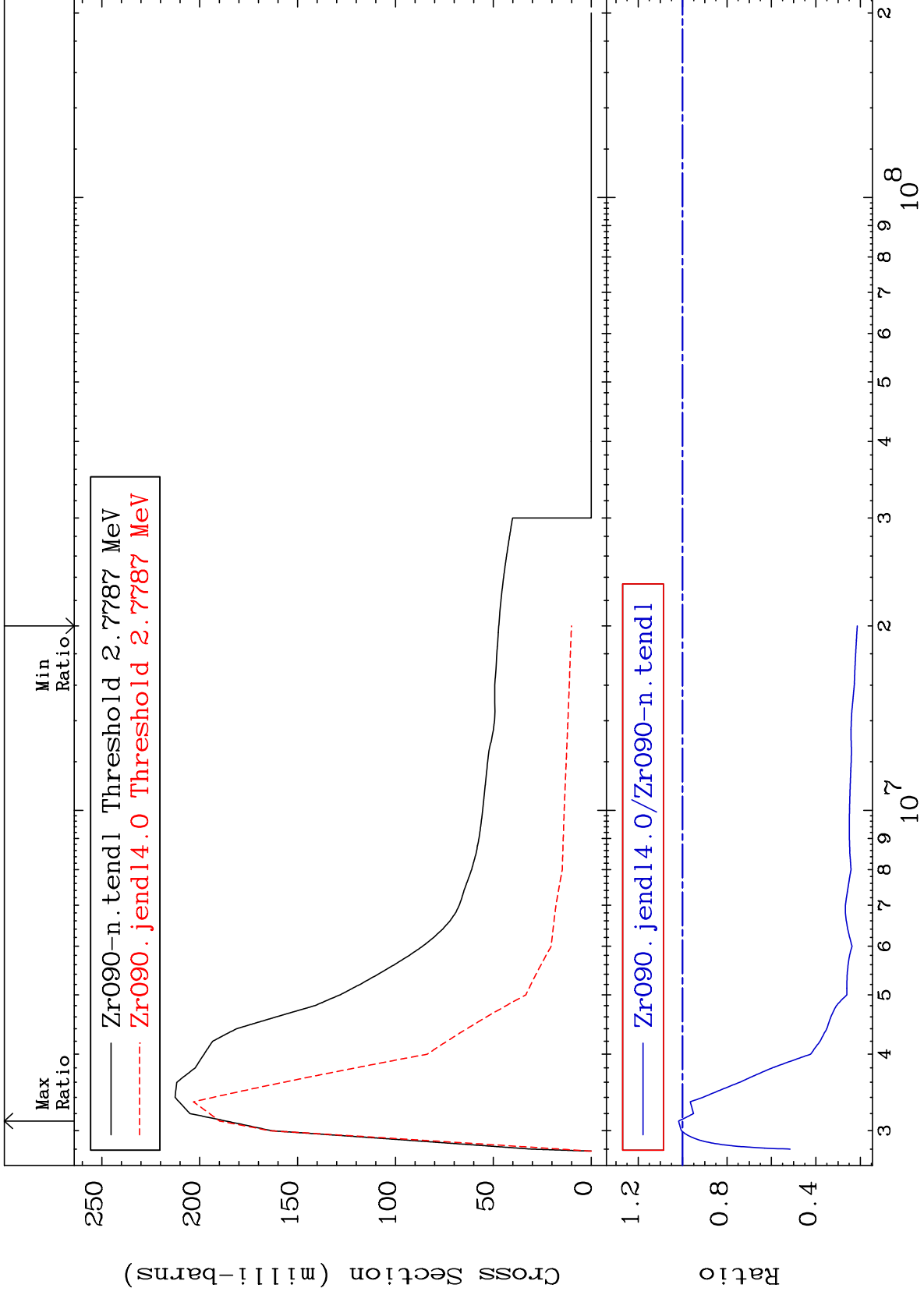
Incident Energy (eV)

40-Zr-90

MAT 4025

2.748 MeV (n,n') Level
Cross Section

40-Zr-90
-78.63 To 1.782 %



12

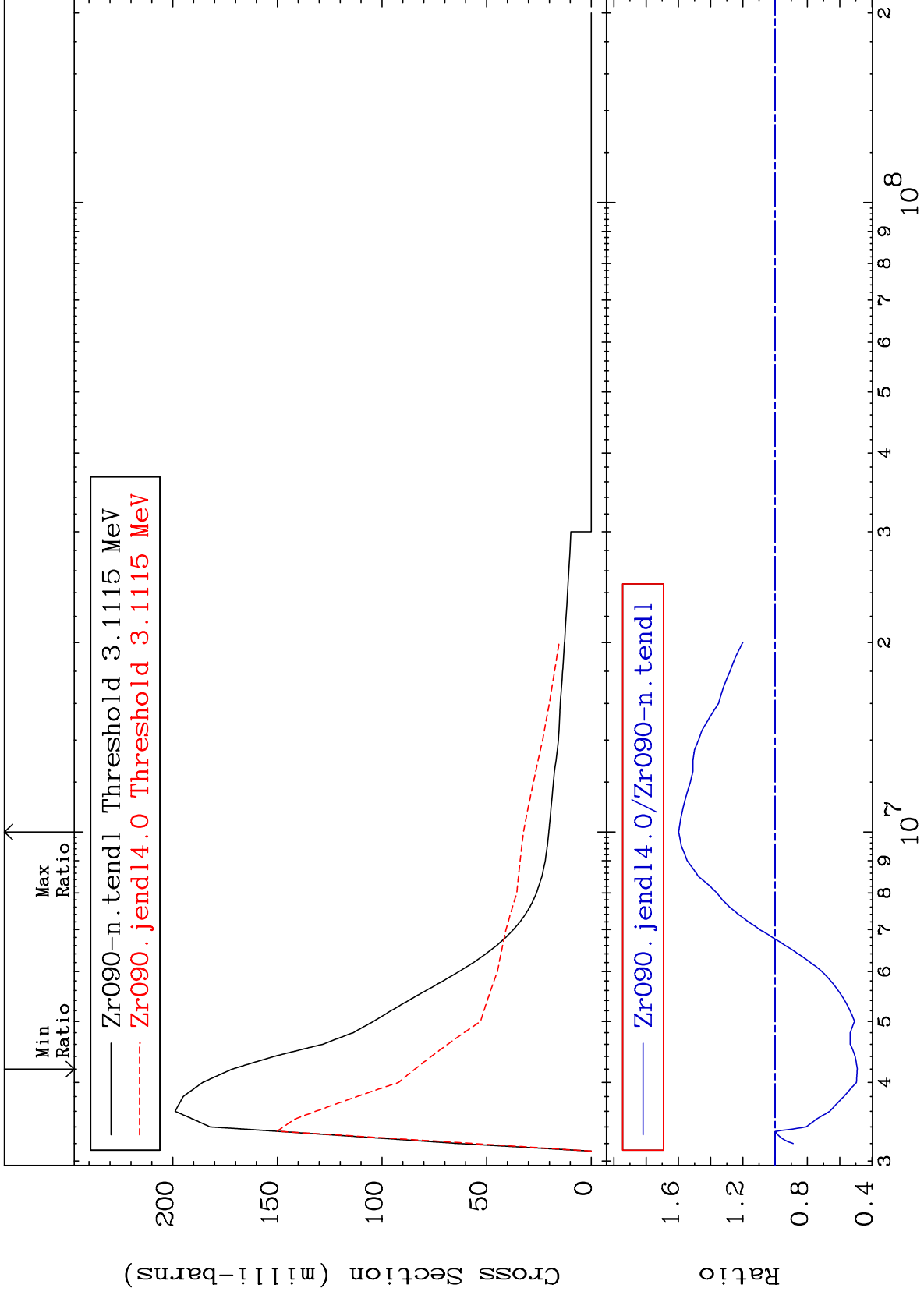
40-Zr-90

40-Zr-90

MAT 4025

3.077 MeV (n,n') Level
Cross Section

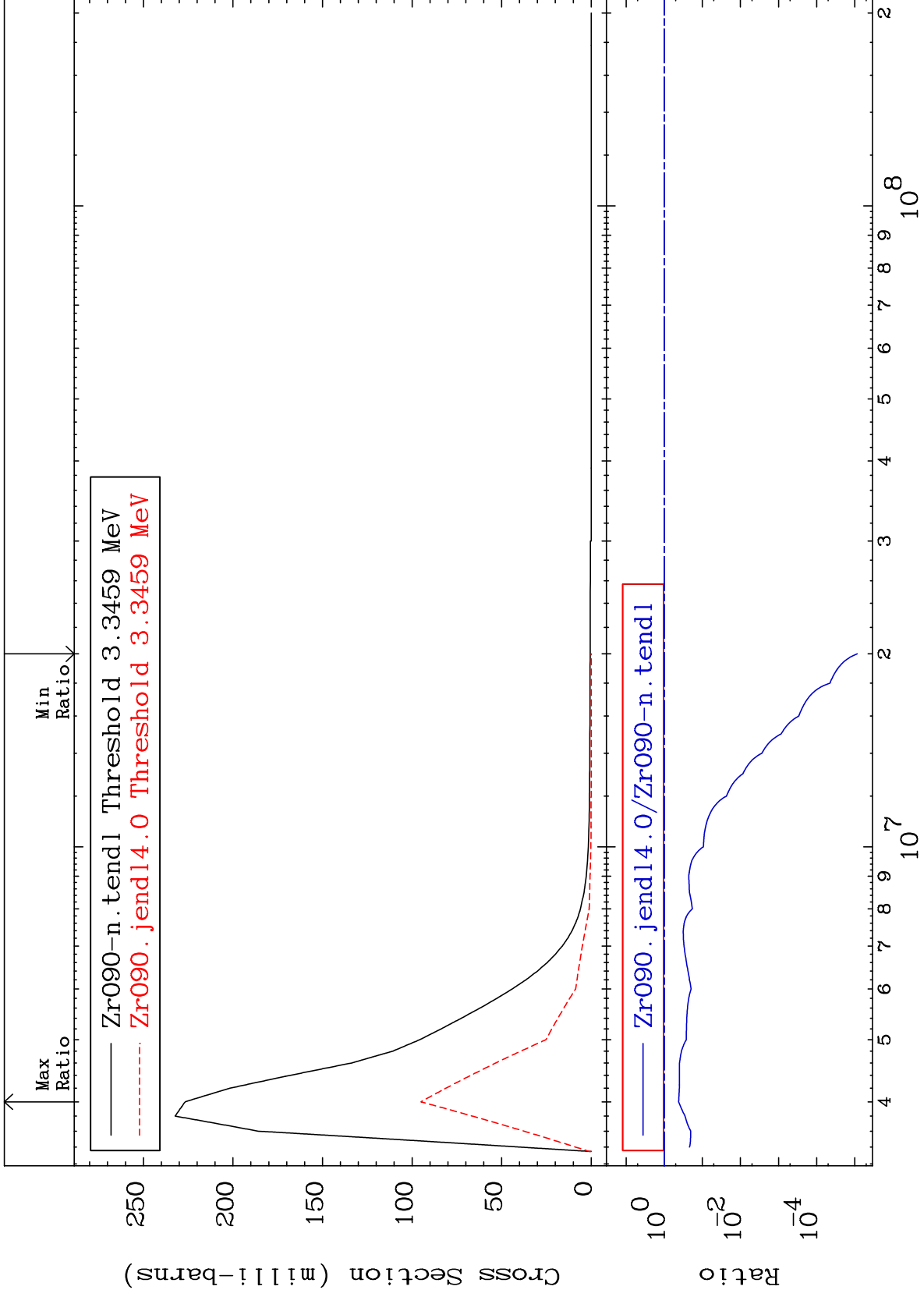
40-Zr-90
-50.90 To 59.85 %



MAT 4025

3.309 MeV (n,n') Level
Cross Section

40-Zr-90
-100.0 To -58.04%



14

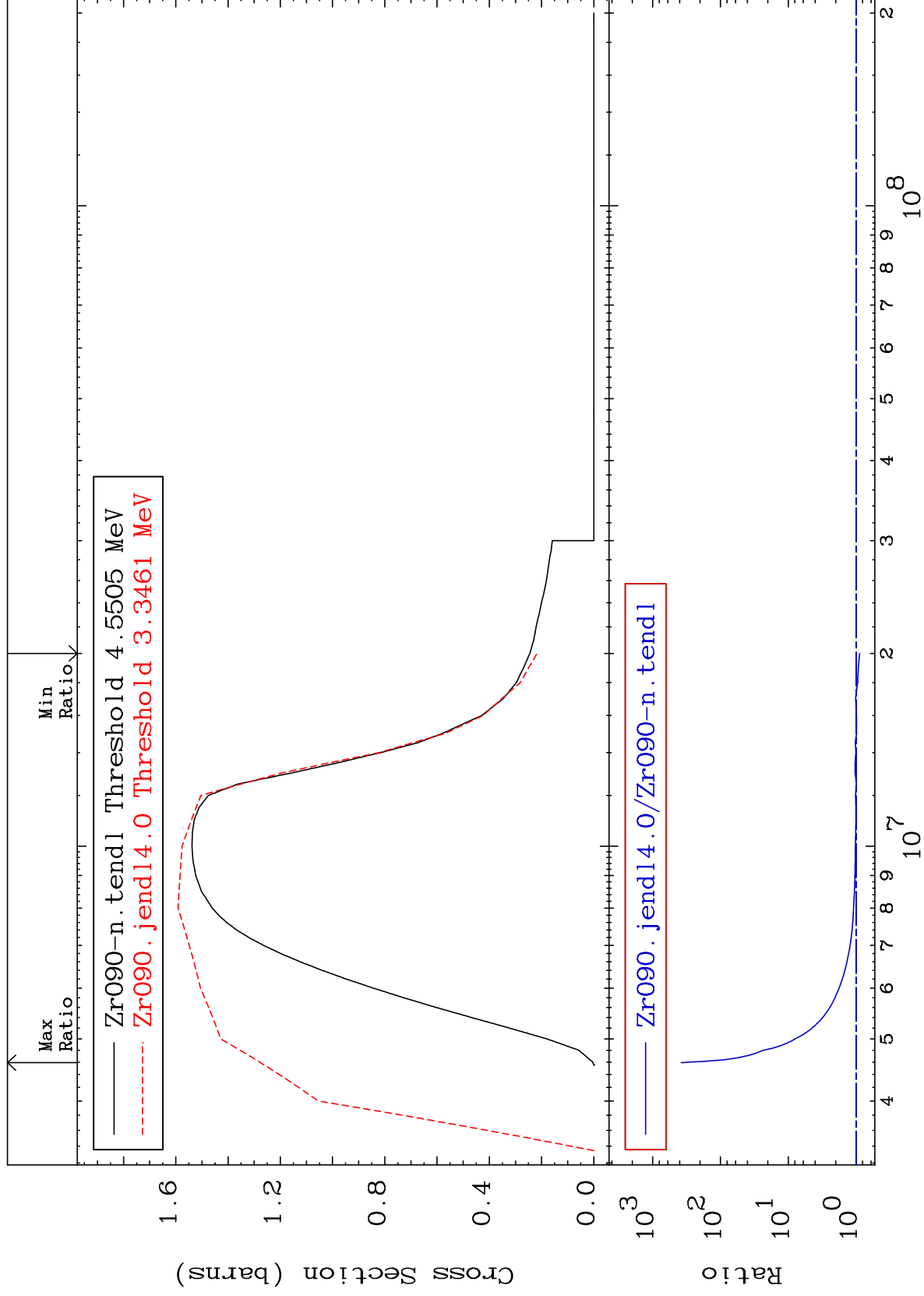
Incident Energy (eV)

40-Zr-90

MAT 4025

(n, n') Continuum
Cross Section

40-Zr-90
-11.40 To 9999. %



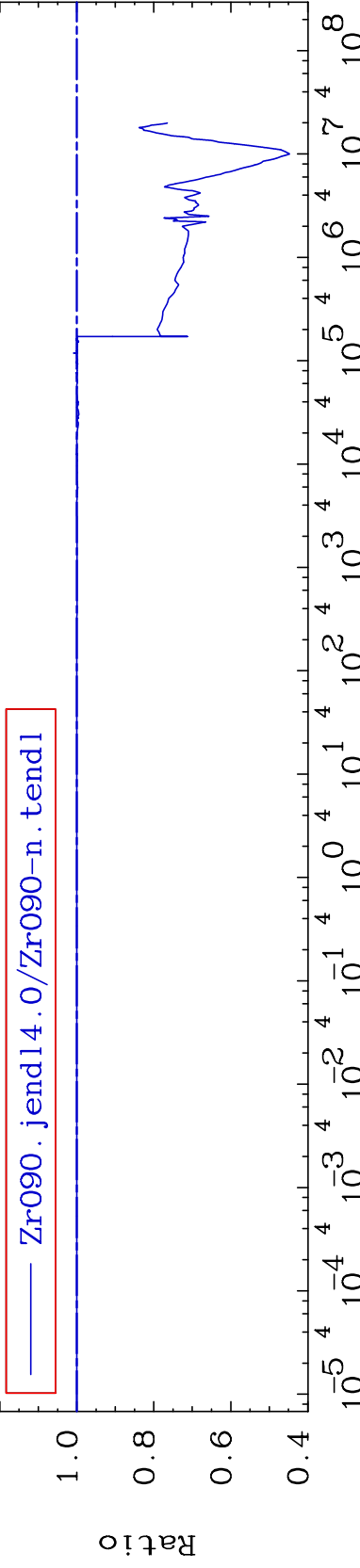
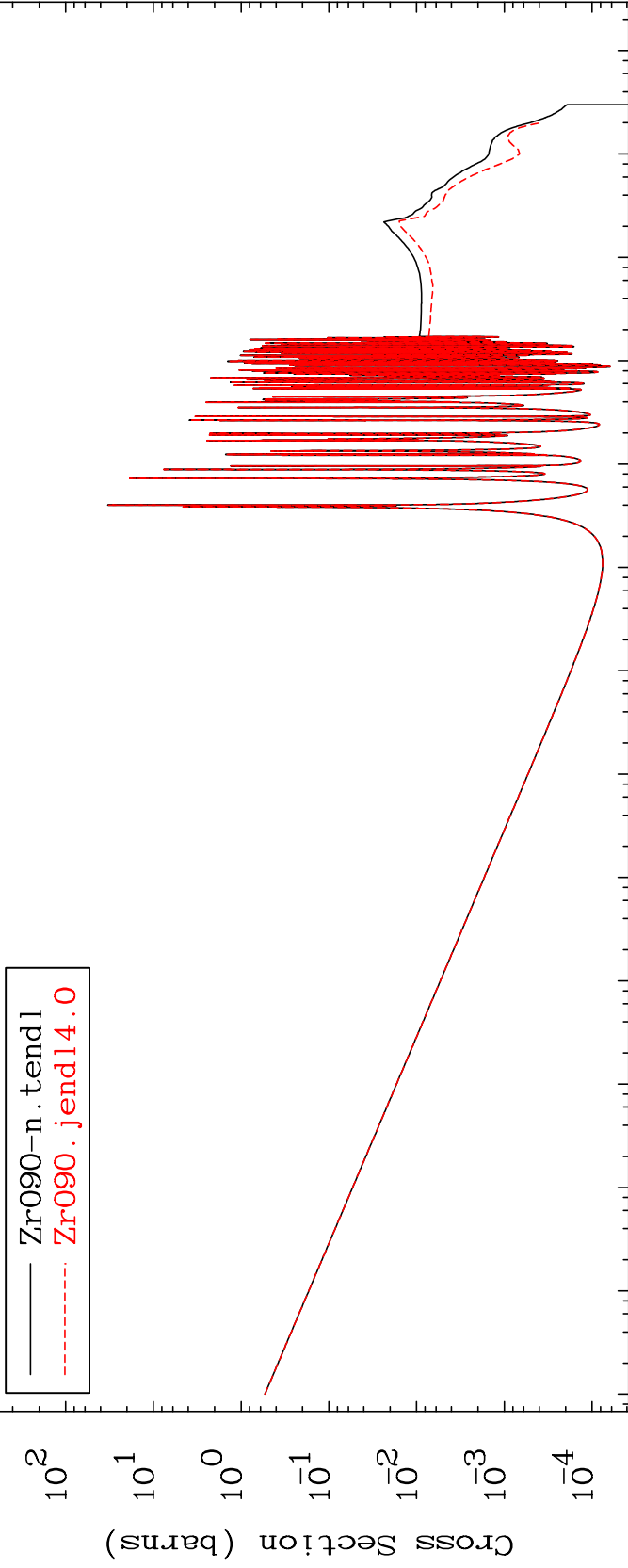
MAT 4025

(n, γ)
Cross Section

40-Zr-90

-55.31 To 0.778 %

Max Ratio
Min Ratio



40-Zr-90

Incident Energy (eV)

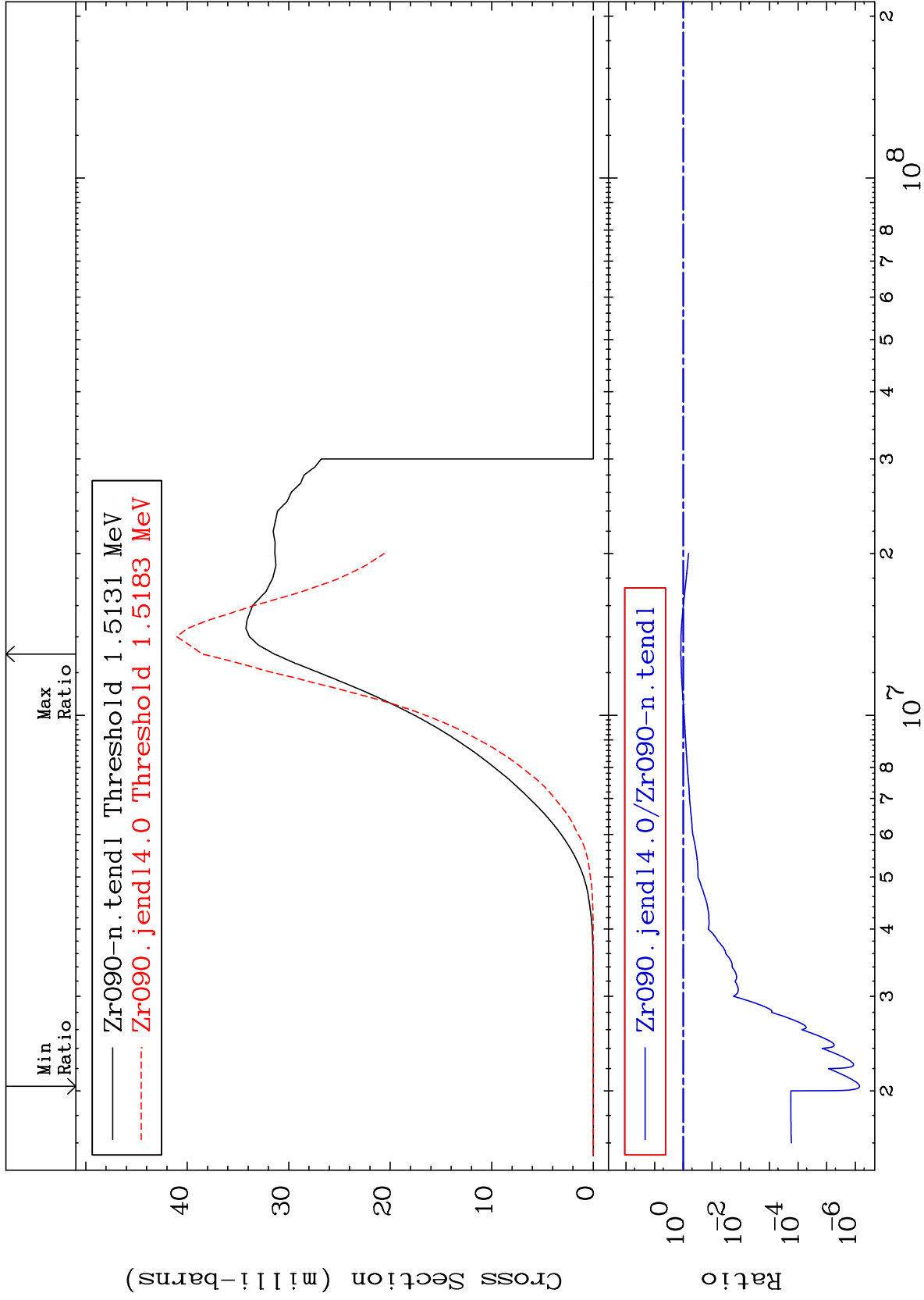
16

MAT 4025

40-Zr-90

(n,p)
Cross Section

-100.0 To 22.62 %



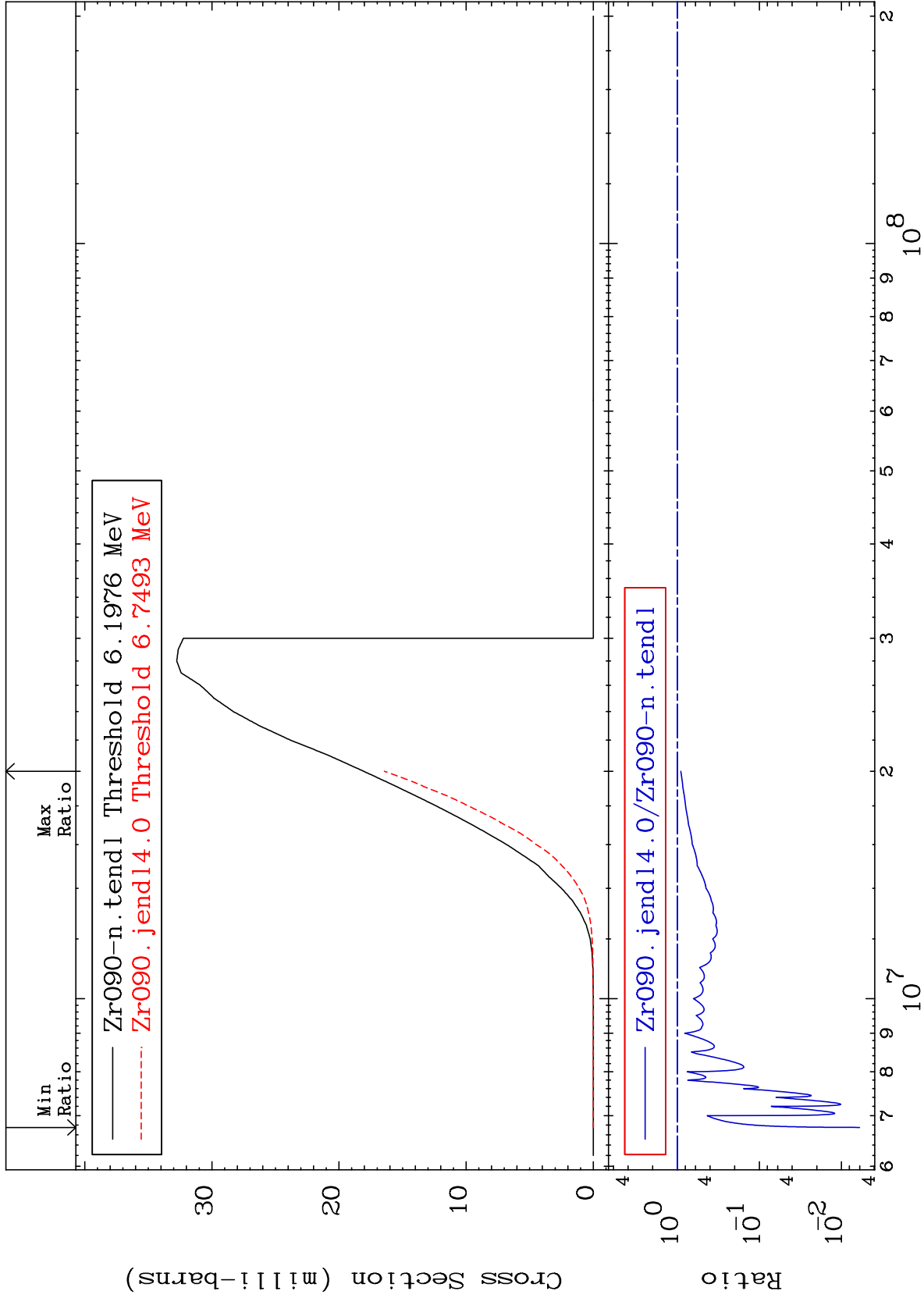
MAT 4025

(n, d)

40-Zr-90

Cross Section

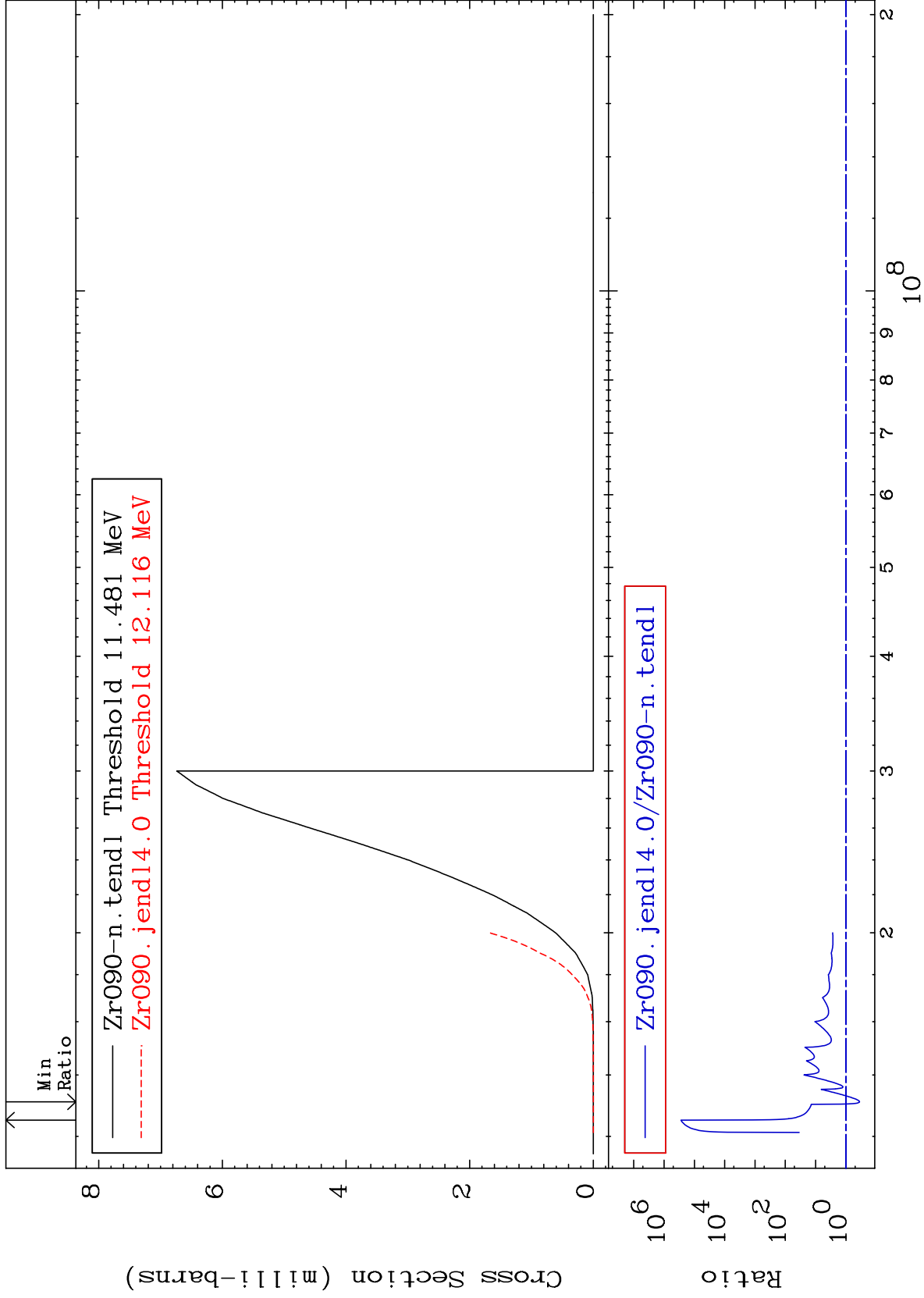
-99.40 To -9.054%



MAT 4025

(n, t)
Cross Section

40-Zr-90
-64.34 To 9999. %



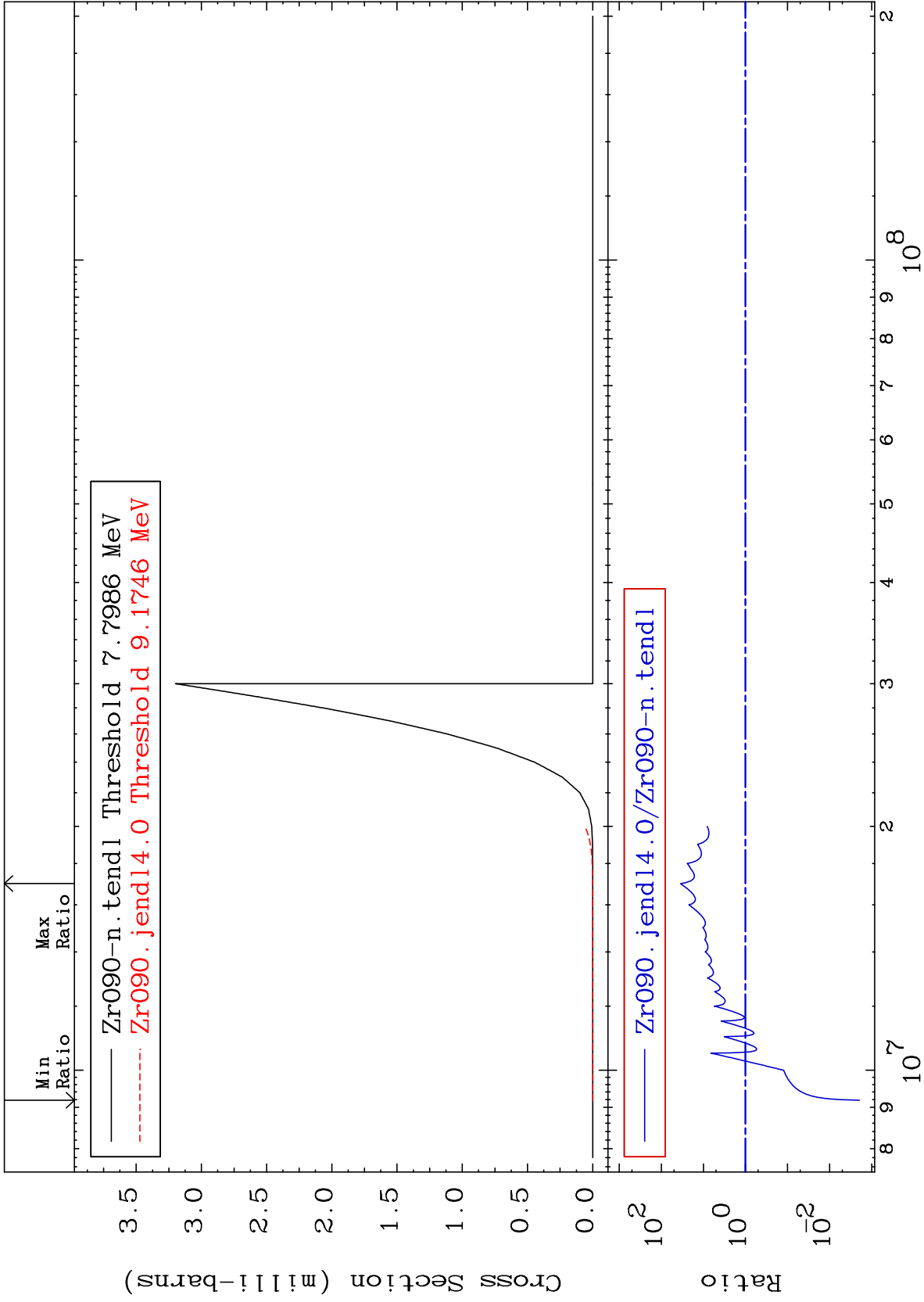
MAT 4025

(n, He-3)

40-Zr-90

Cross Section

-99.80 To 3422. %



20

Incident Energy (eV)

40-Zr-90

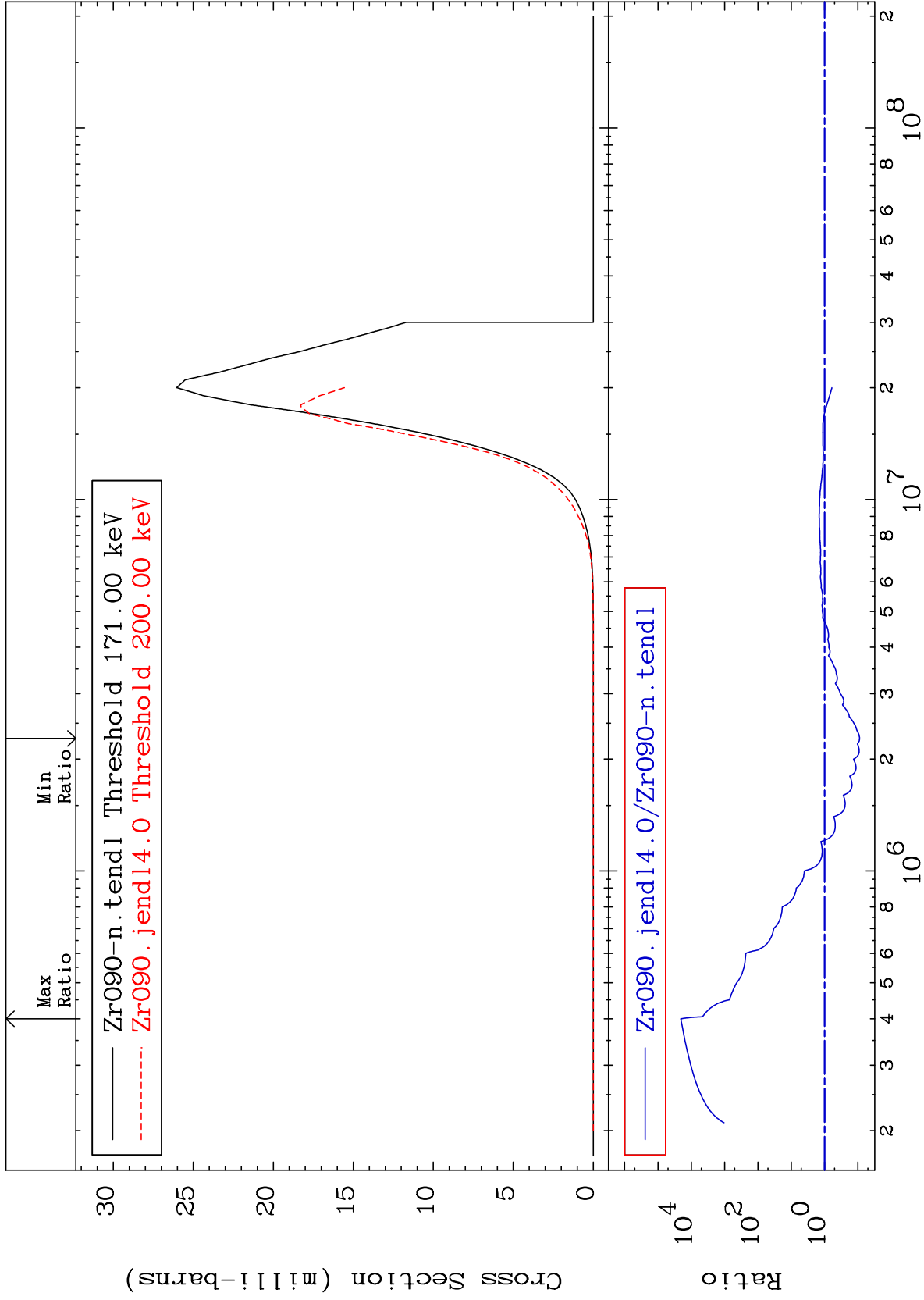
MAT 4025

(n, α)

40-Zr-90

Cross Section

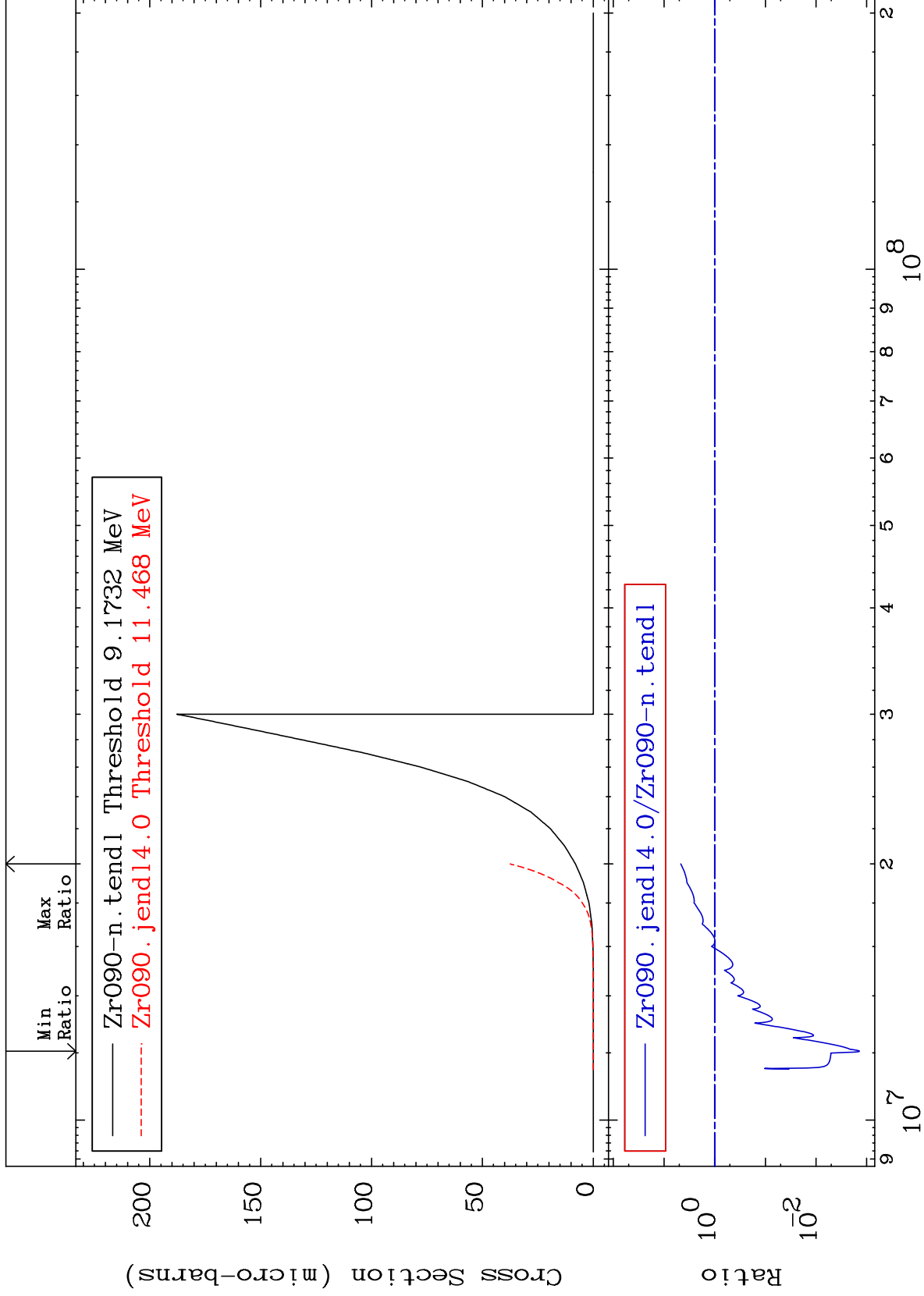
-91.13 To 9999. %



MAT 4025

(n,2p)
Cross Section

40-Zr-90
-99.86 To 367.1 %



22

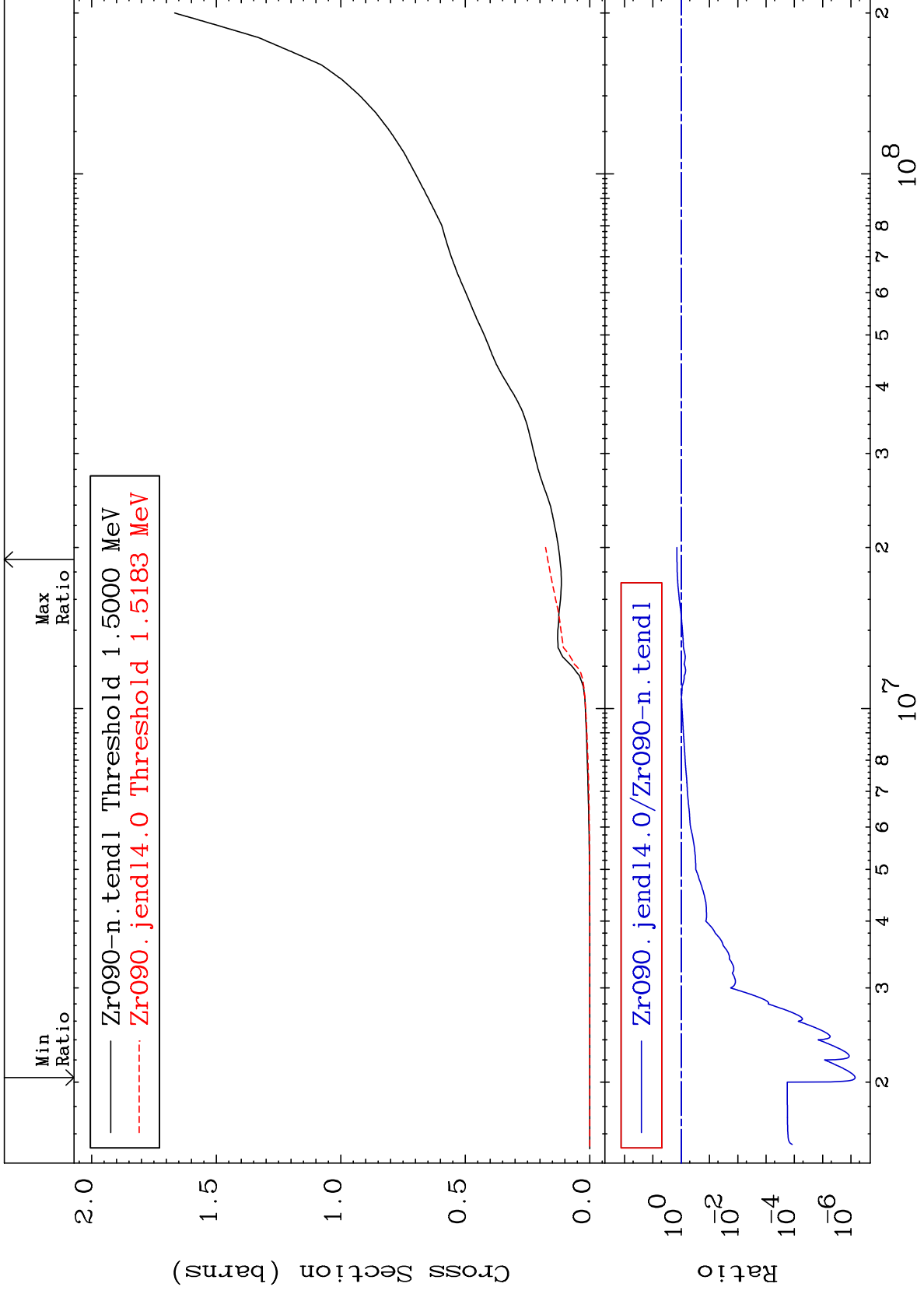
Incident Energy (eV)

40-Zr-90

MAT 4025

Hydrogen Production
Cross Section

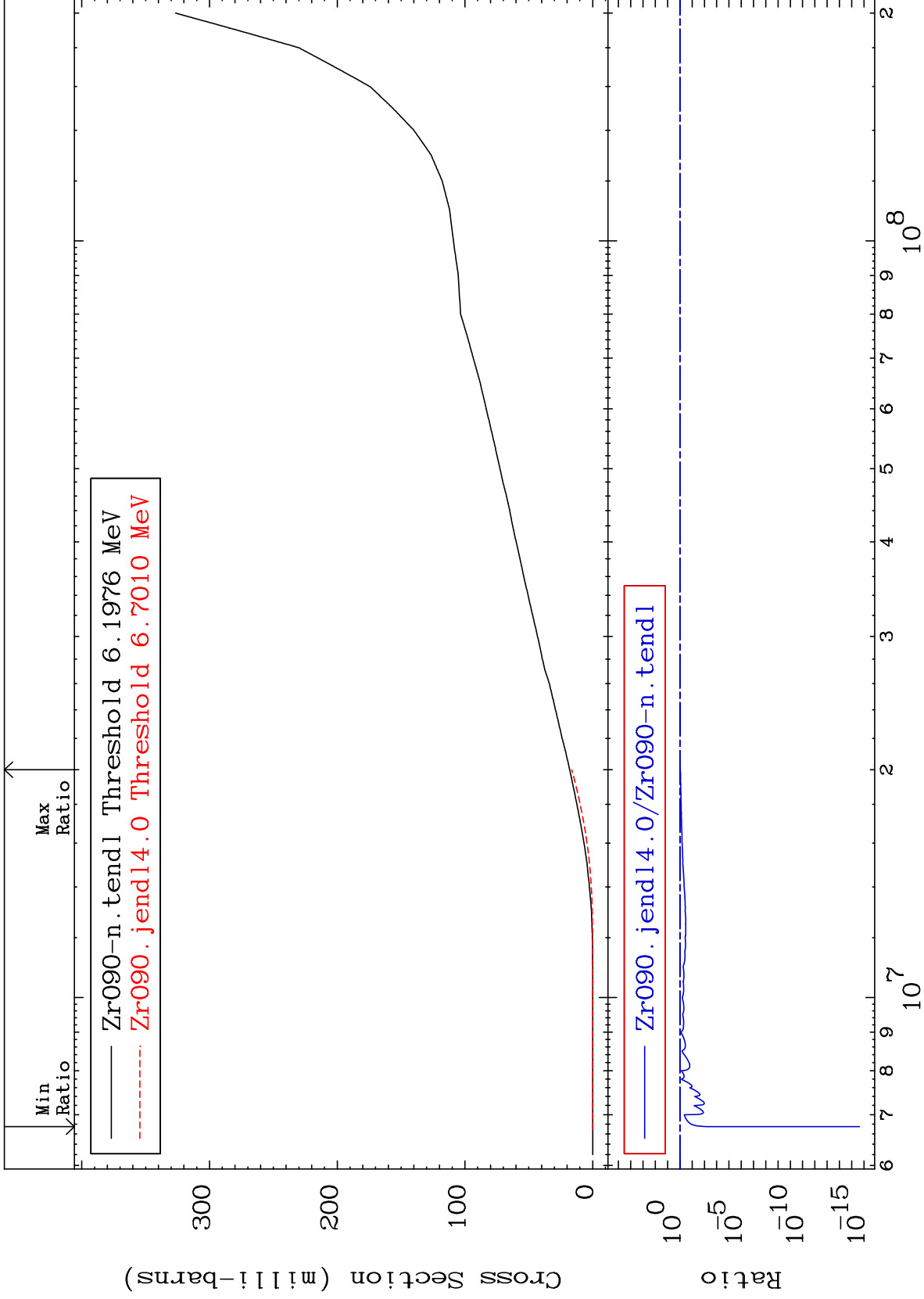
40-Zr-90
-100.0 To 41.48 %

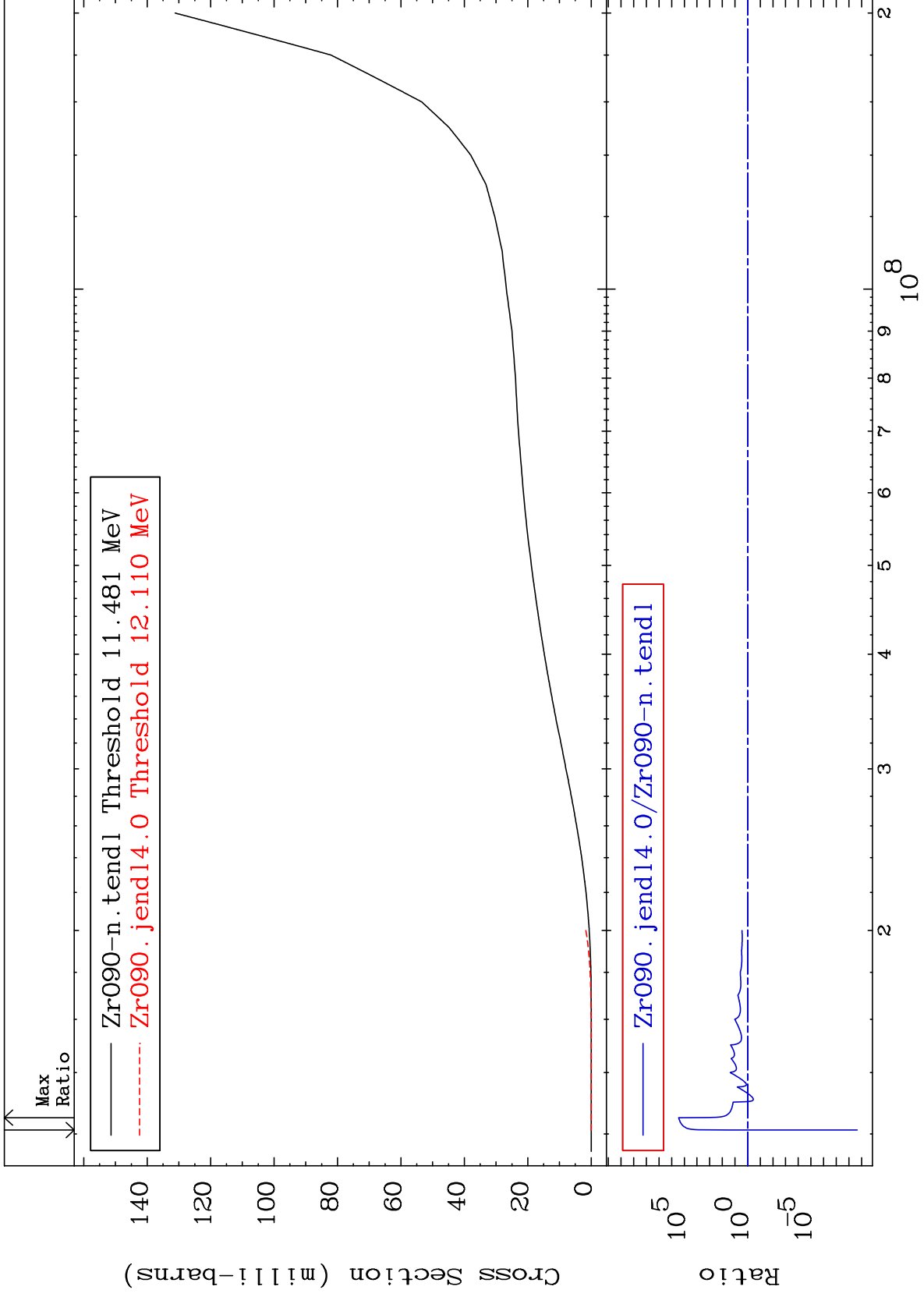


MAT 4025

Deuterium Production
Cross Section

40-Zr-90
-100.0 To -9.054%

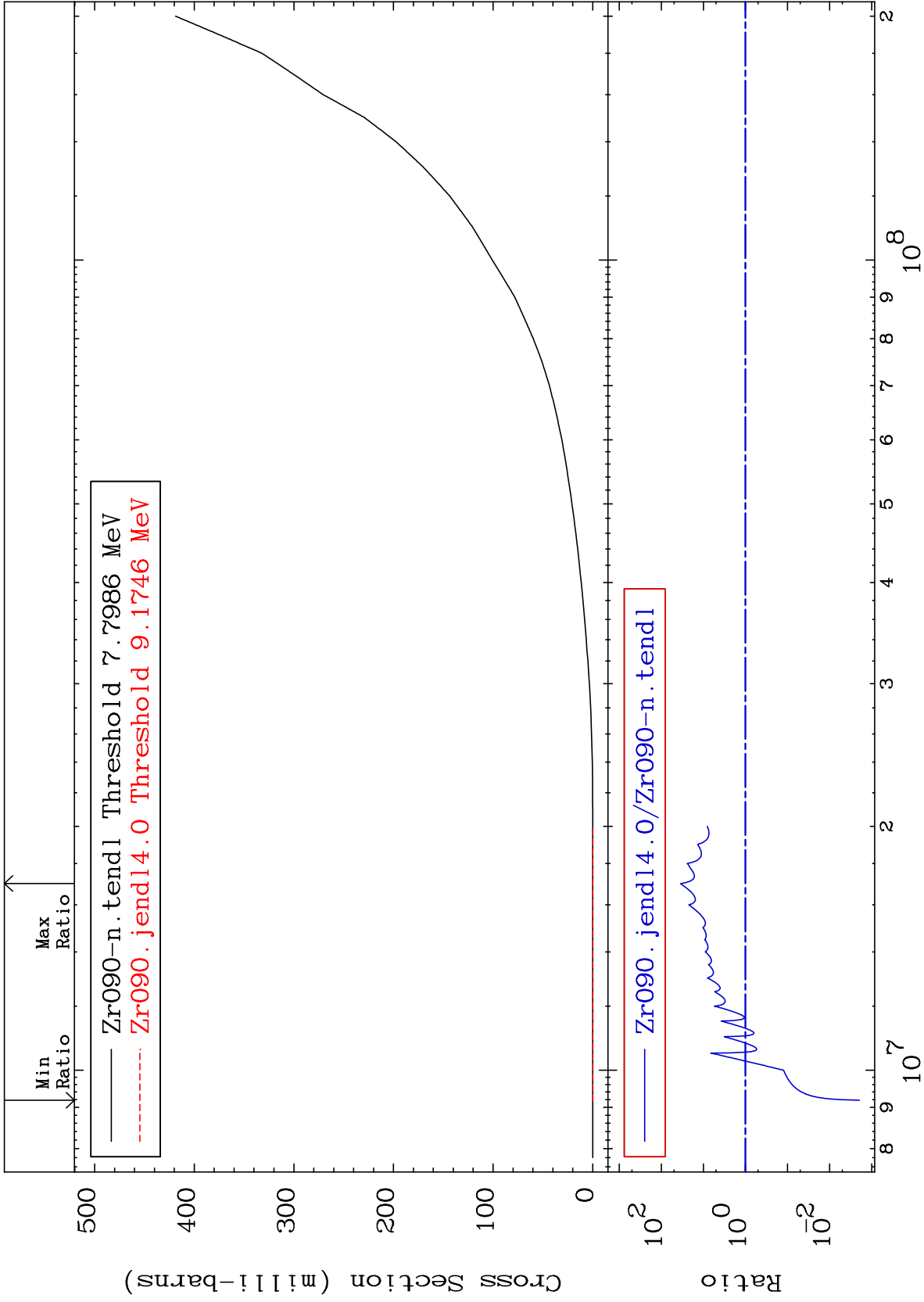




MAT 4025

He-3 Production
Cross Section

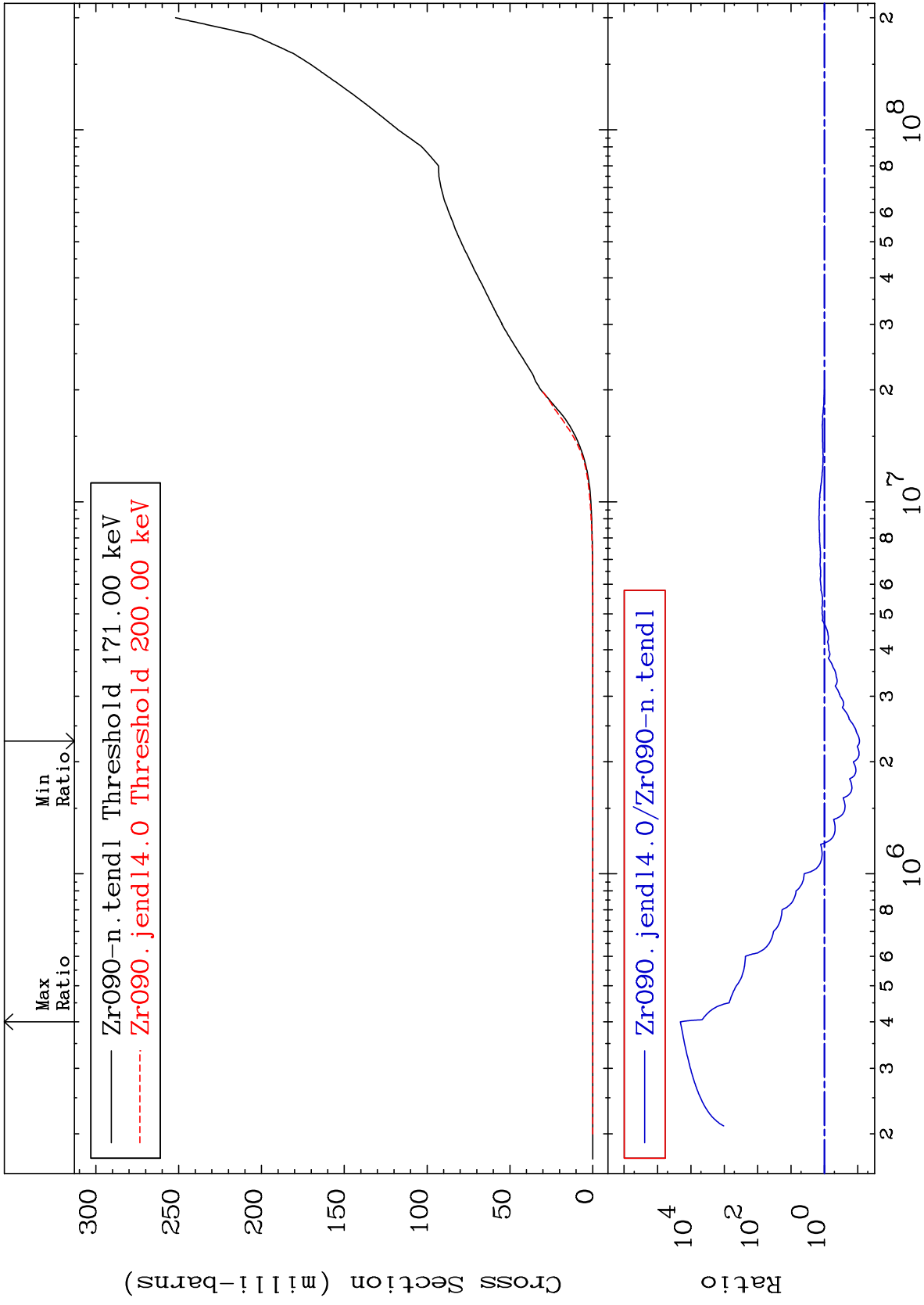
40-Zr-90
-99.80 To 3422. %



MAT 4025

He-4 Production
Cross Section

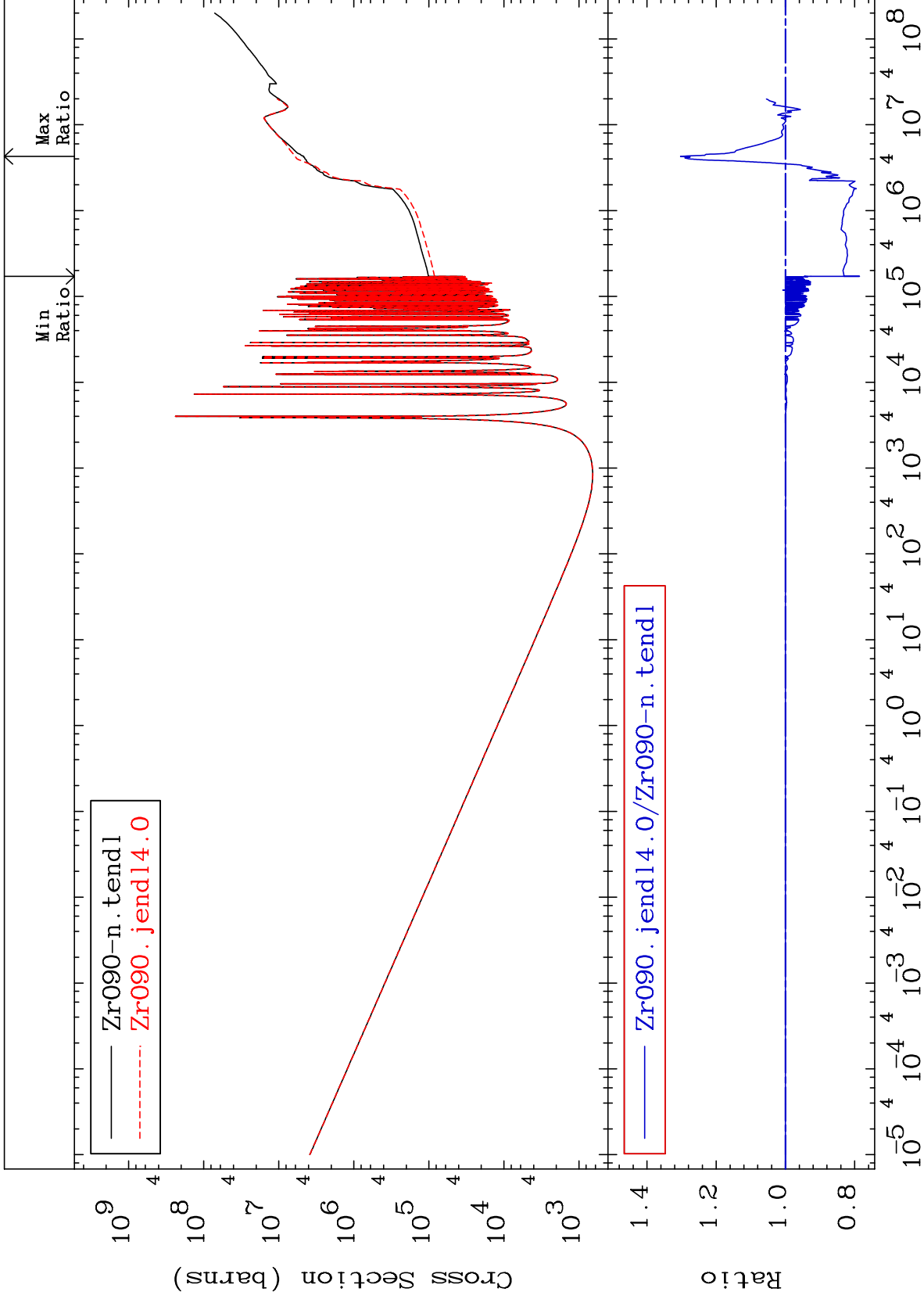
40-Zr-90
-91.13 To 9999. %



27

Incident Energy (eV)

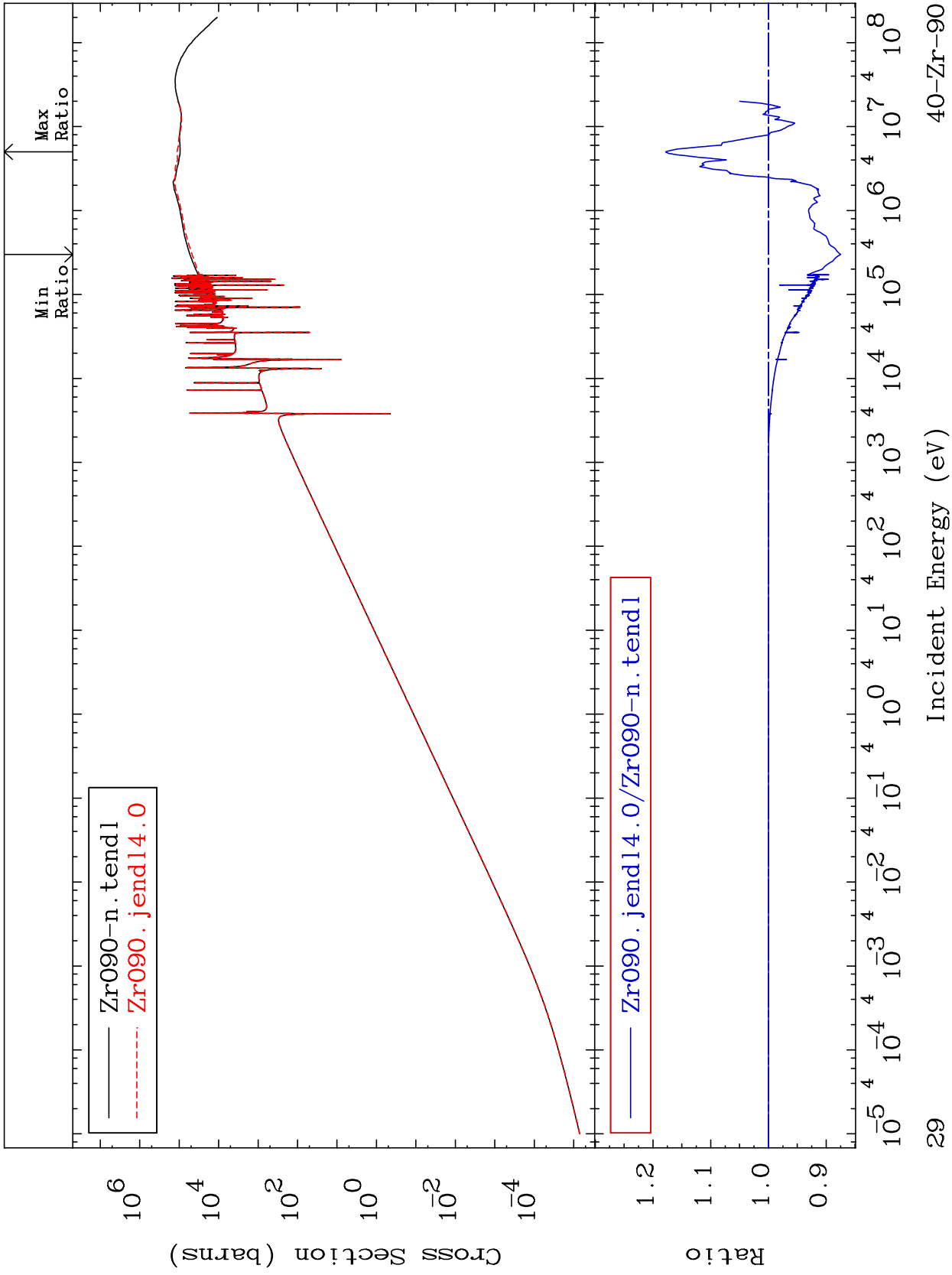
40-Zr-90

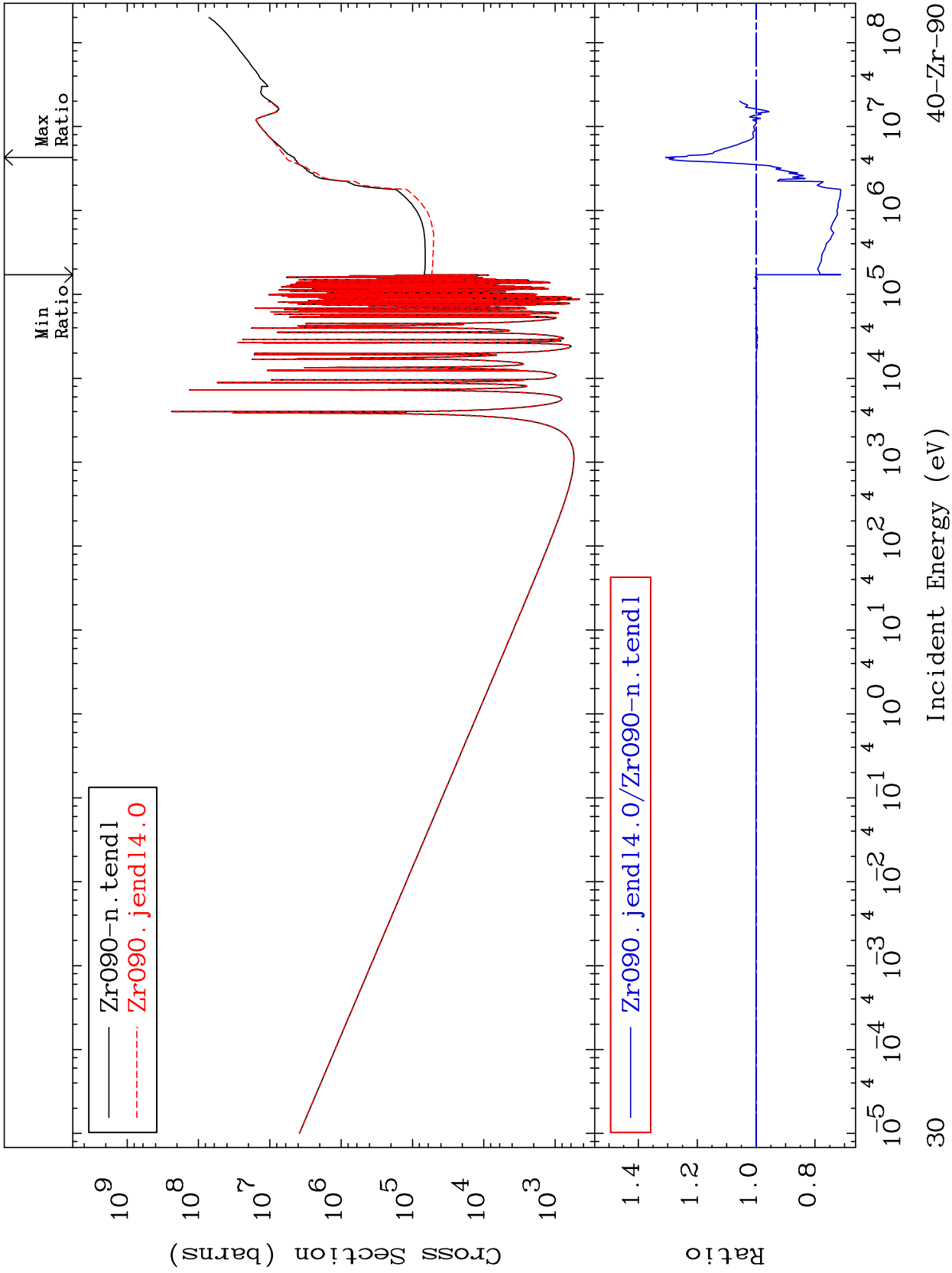


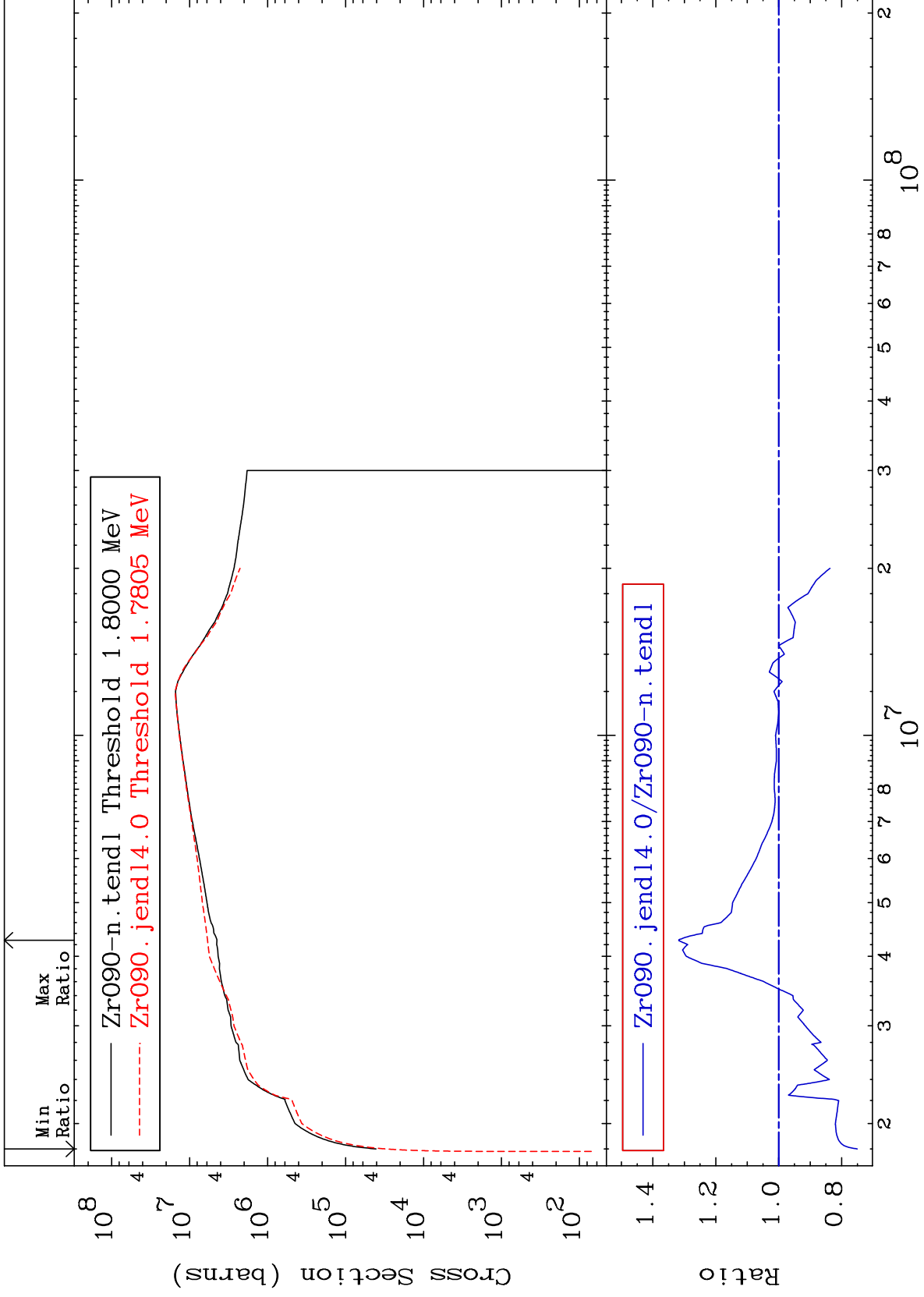
MAT 4025

Kerma elastic
Cross Section

40-Zr-90
-12.51 To 17.83 %



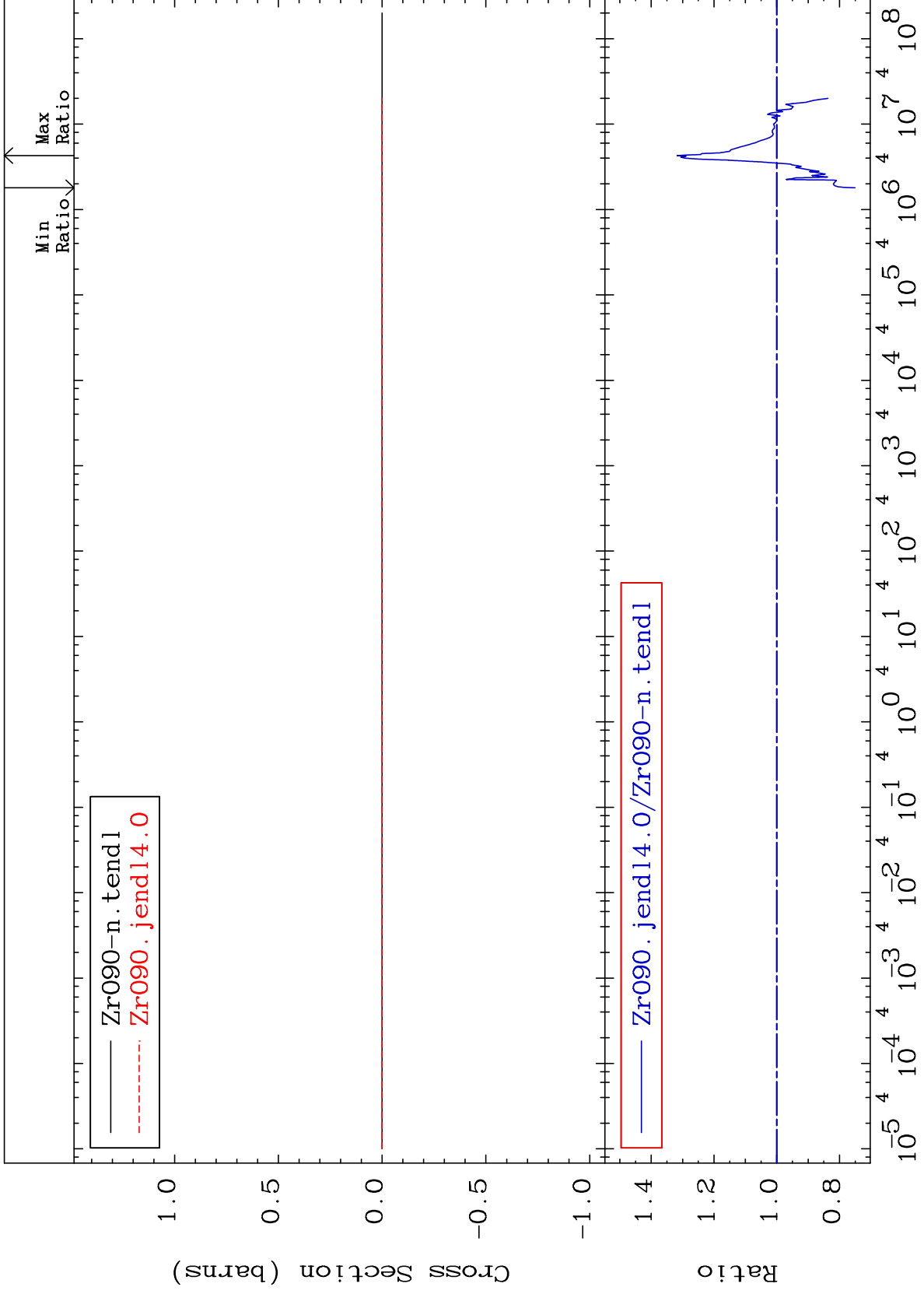


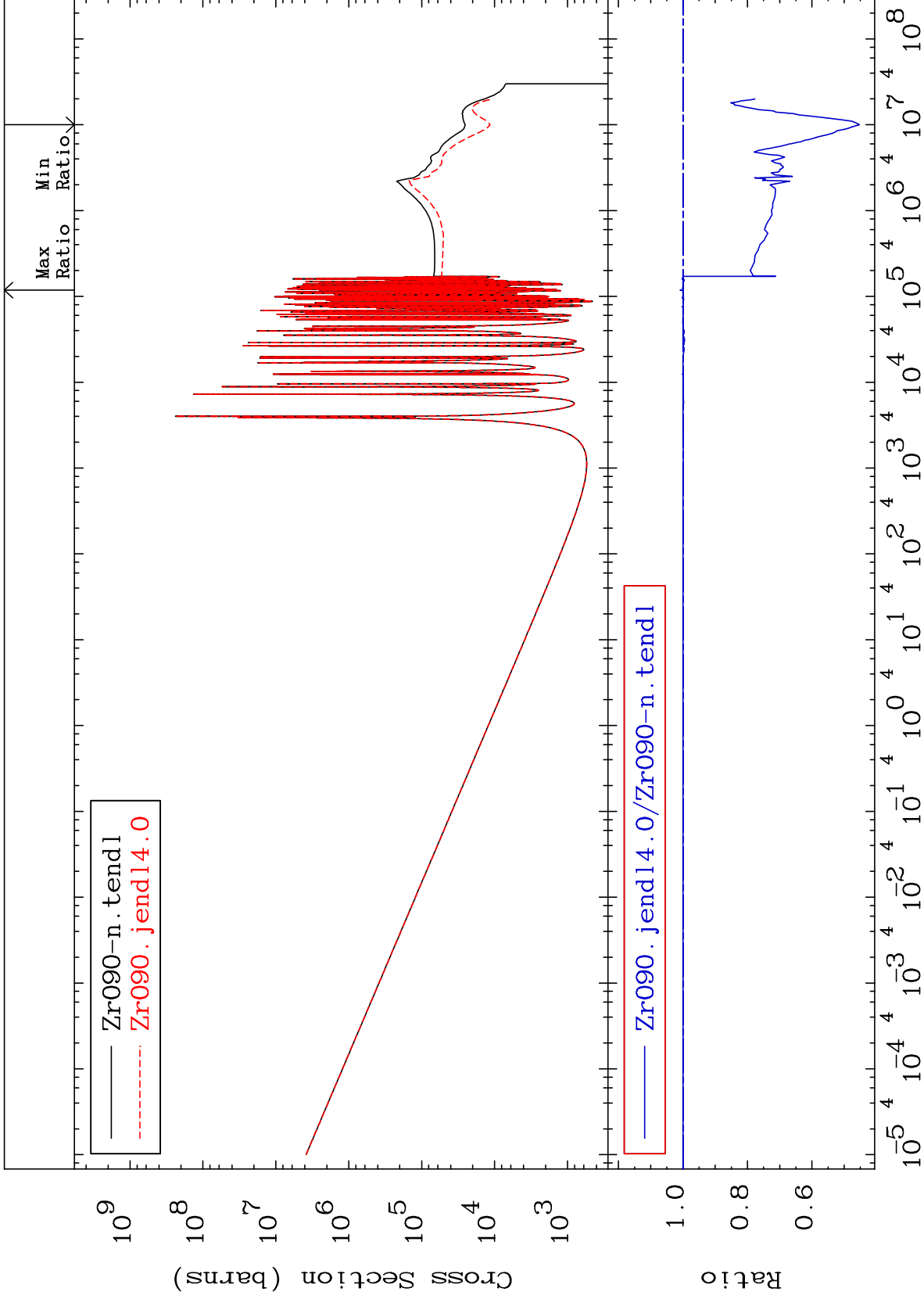


MAT 4025

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

40-Zr-90
-24.97 To 31.82 %



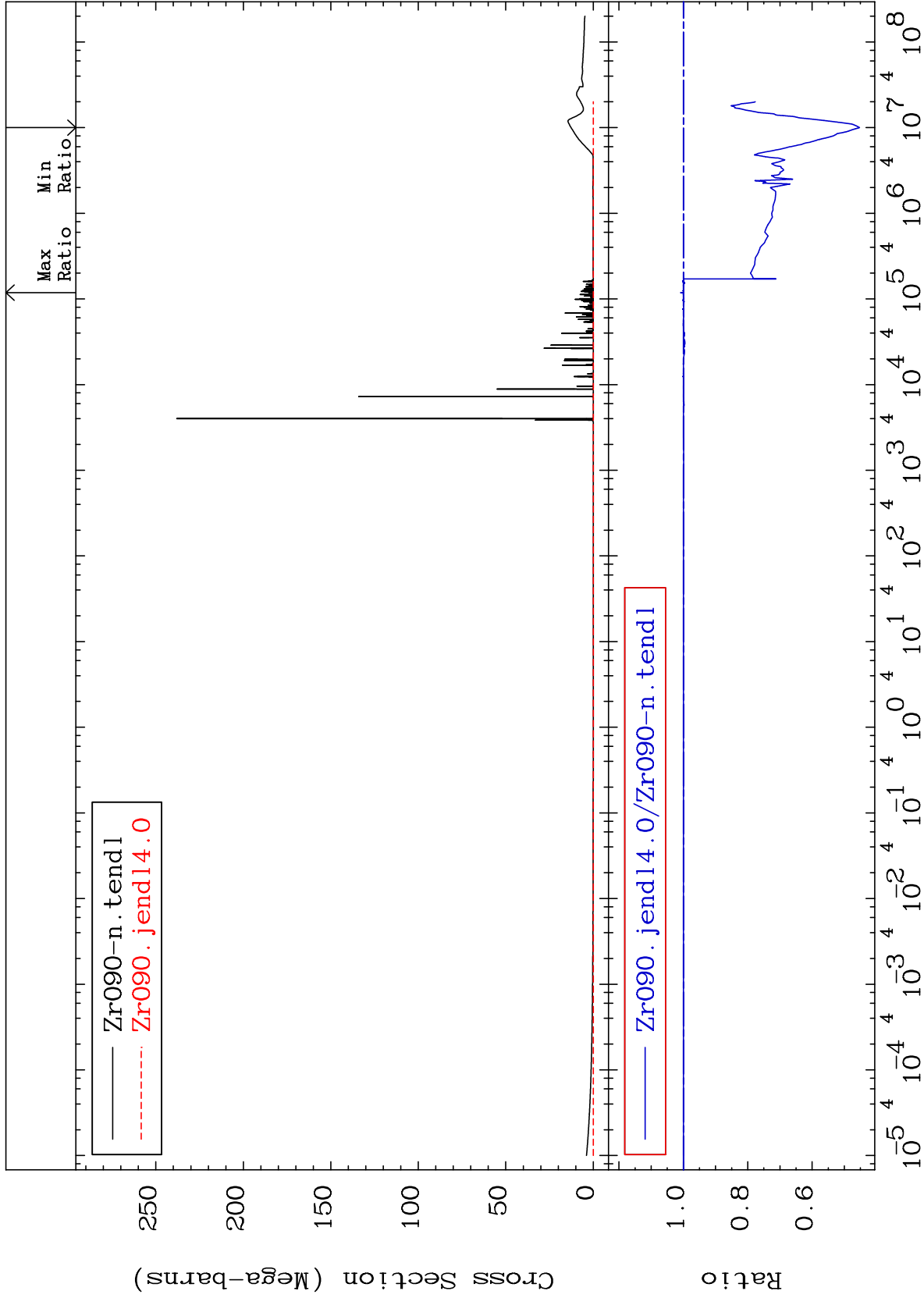


MAT 4025

Total photon (eV-barns)
Cross Section

40-Zr-90

-54.73 To 0.807 %



34

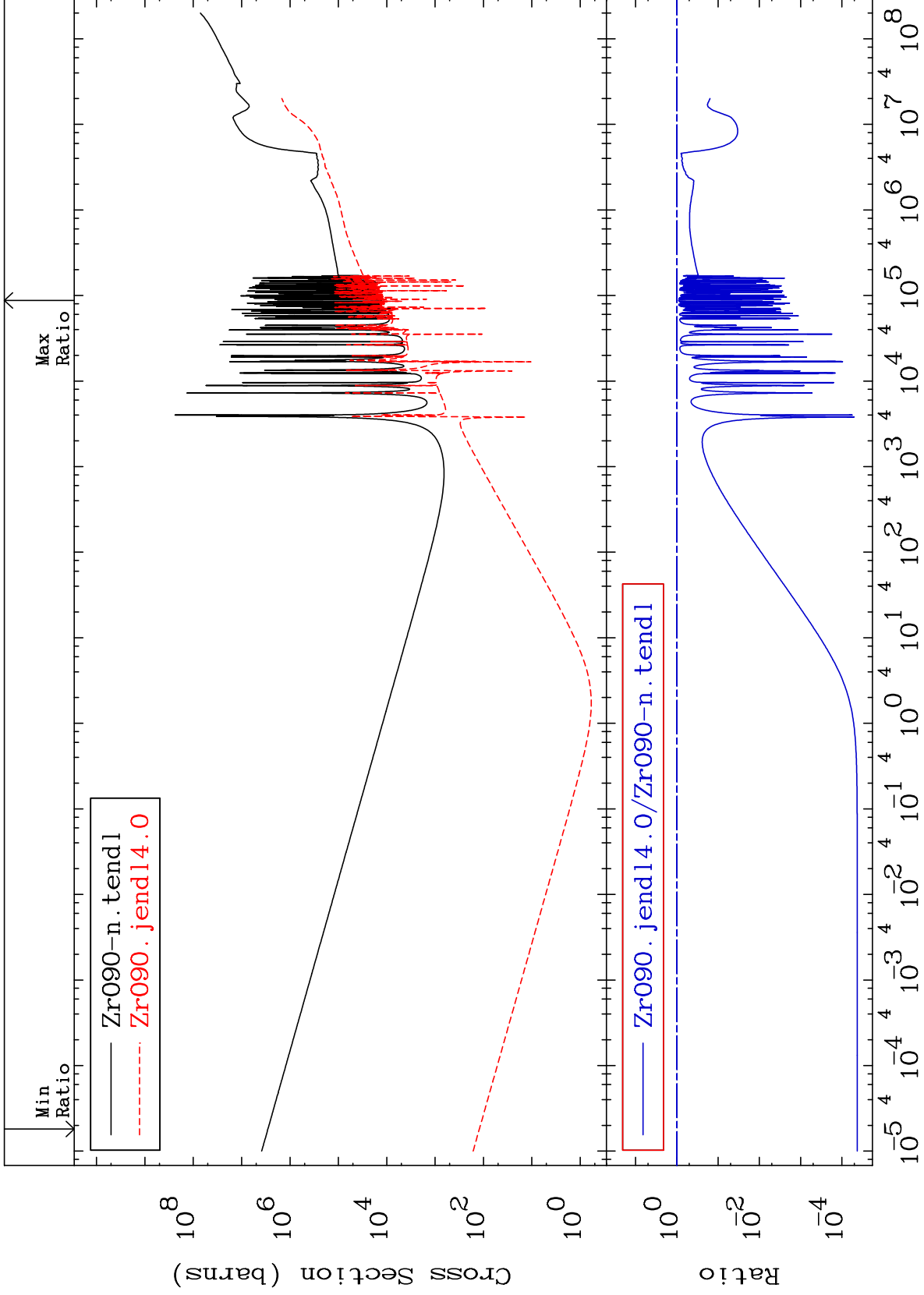
Incident Energy (eV)

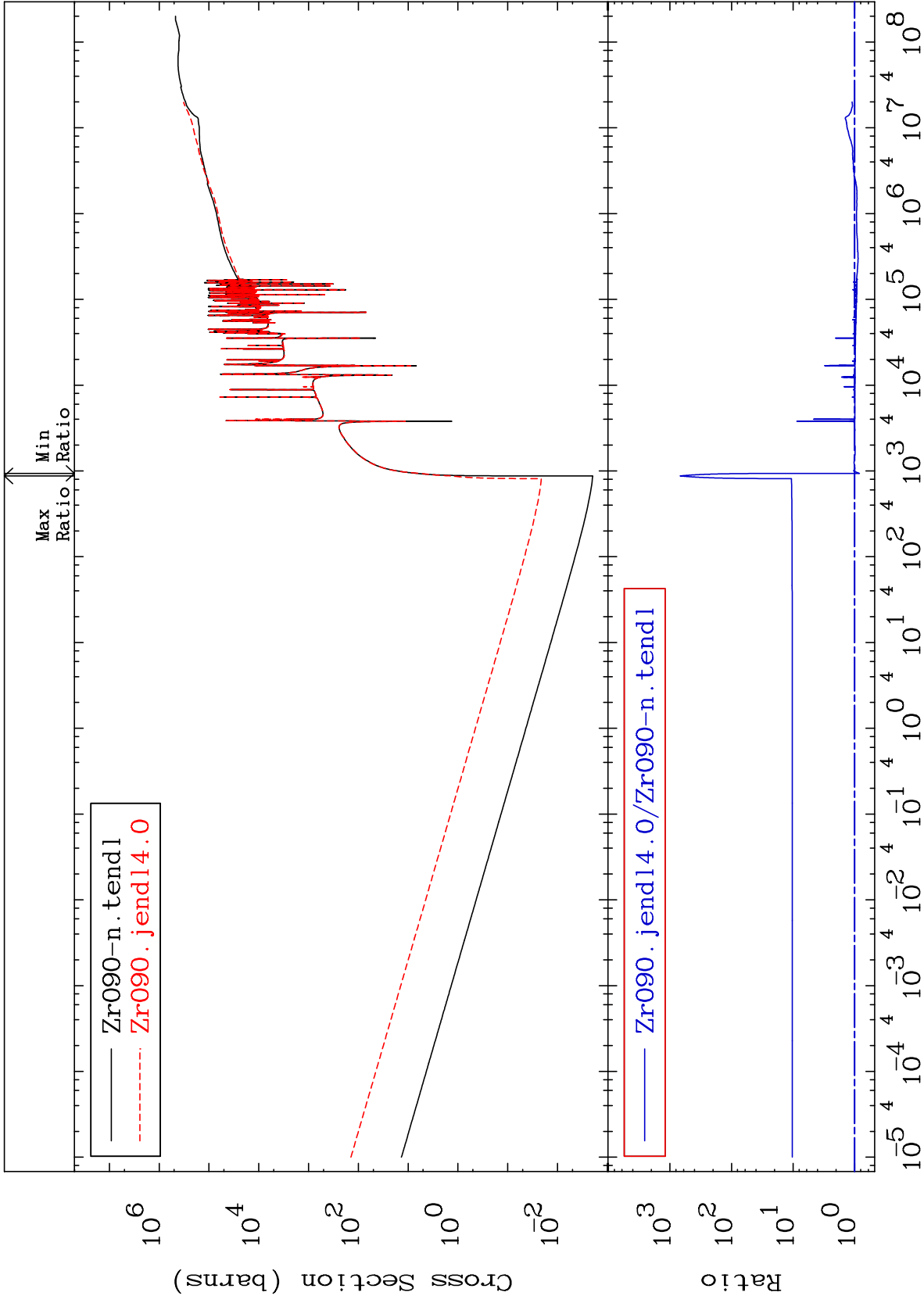
40-Zr-90

MAT 4025

Total kinematic kerma (high limit)
Cross Section

40-Zr-90
-100.0 To -9.565%

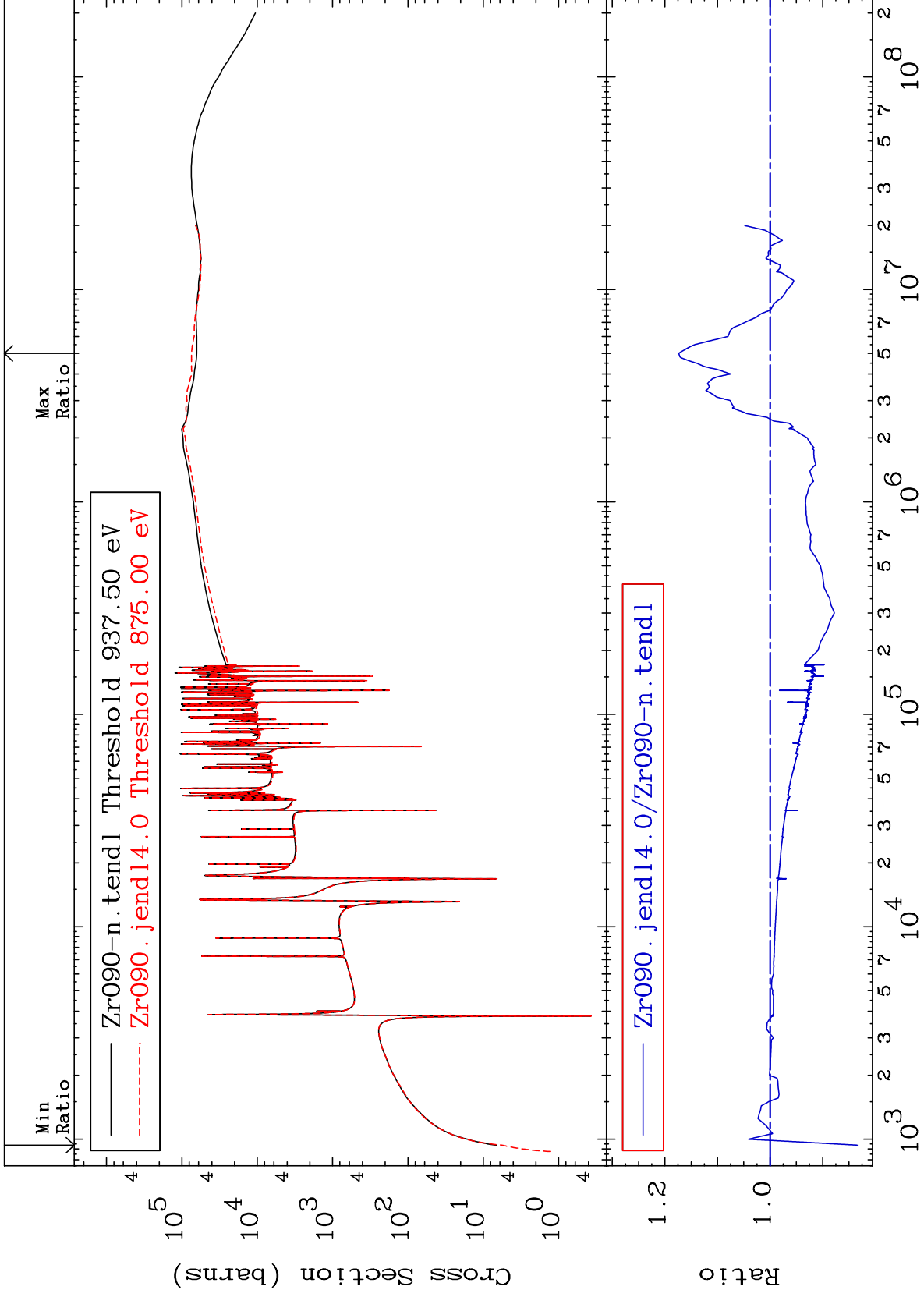


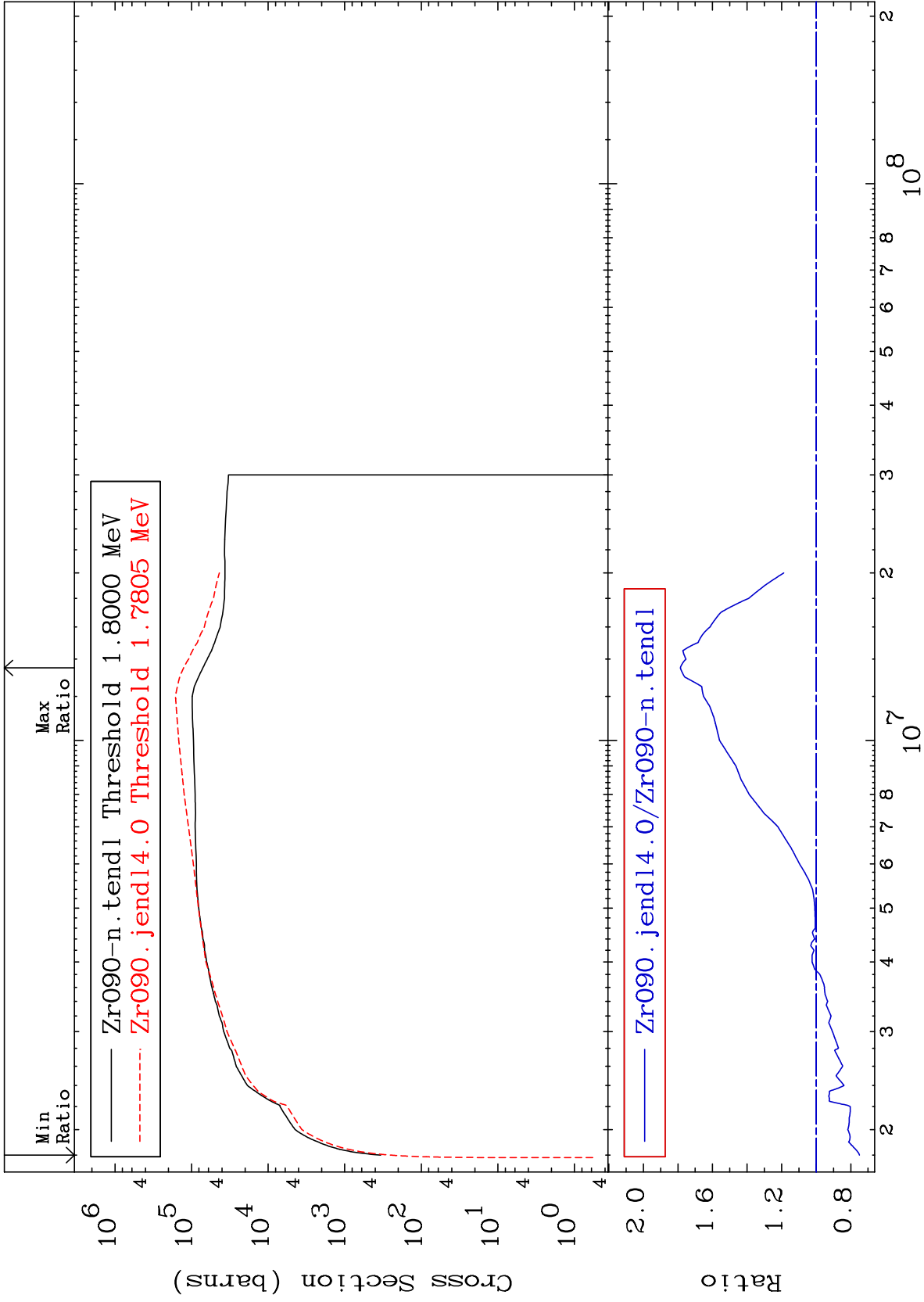


MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-16.59 To 17.39 %

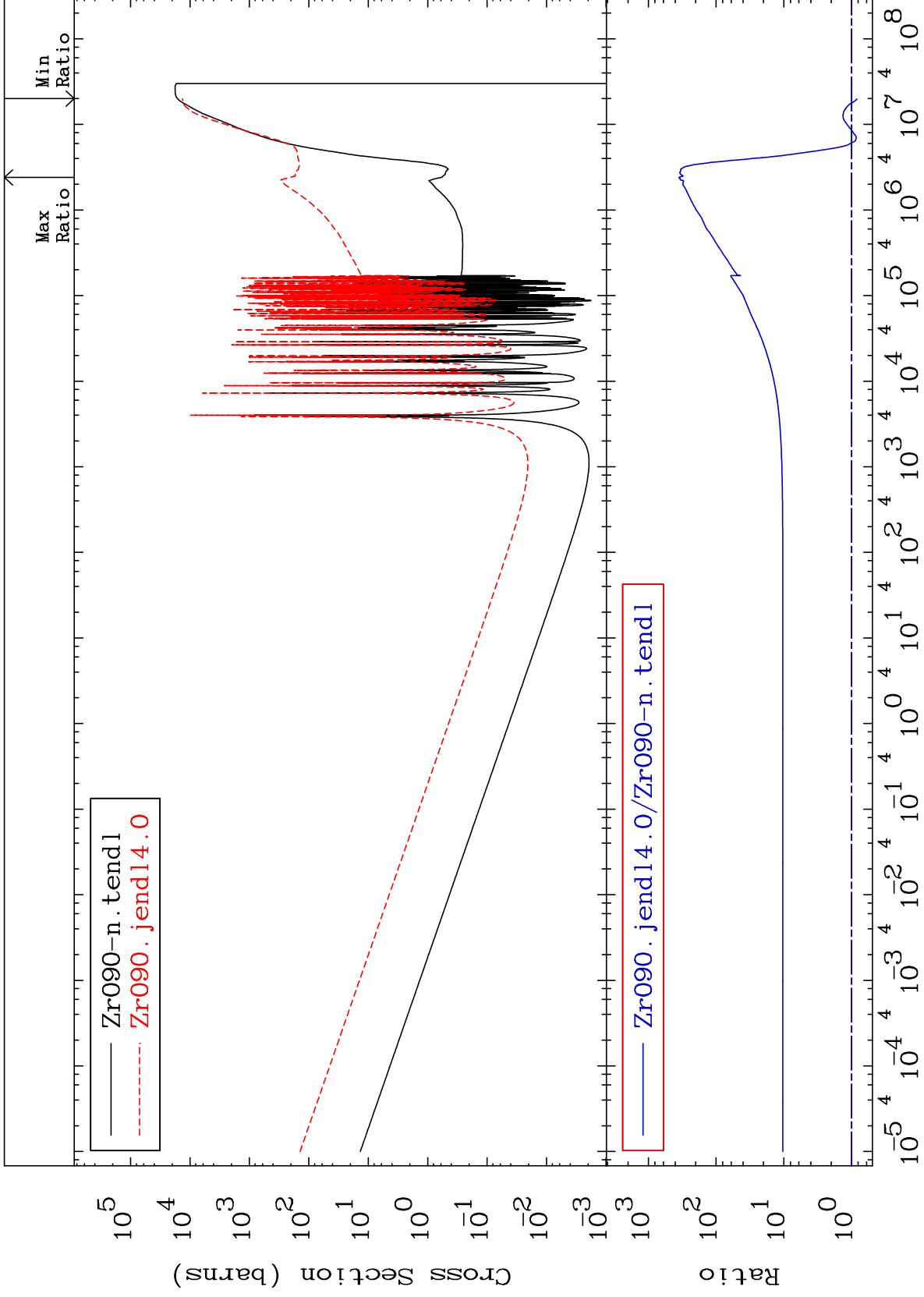




MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-17.47 To 9999. %



39

Incident Energy (eV)

40-Zr-90