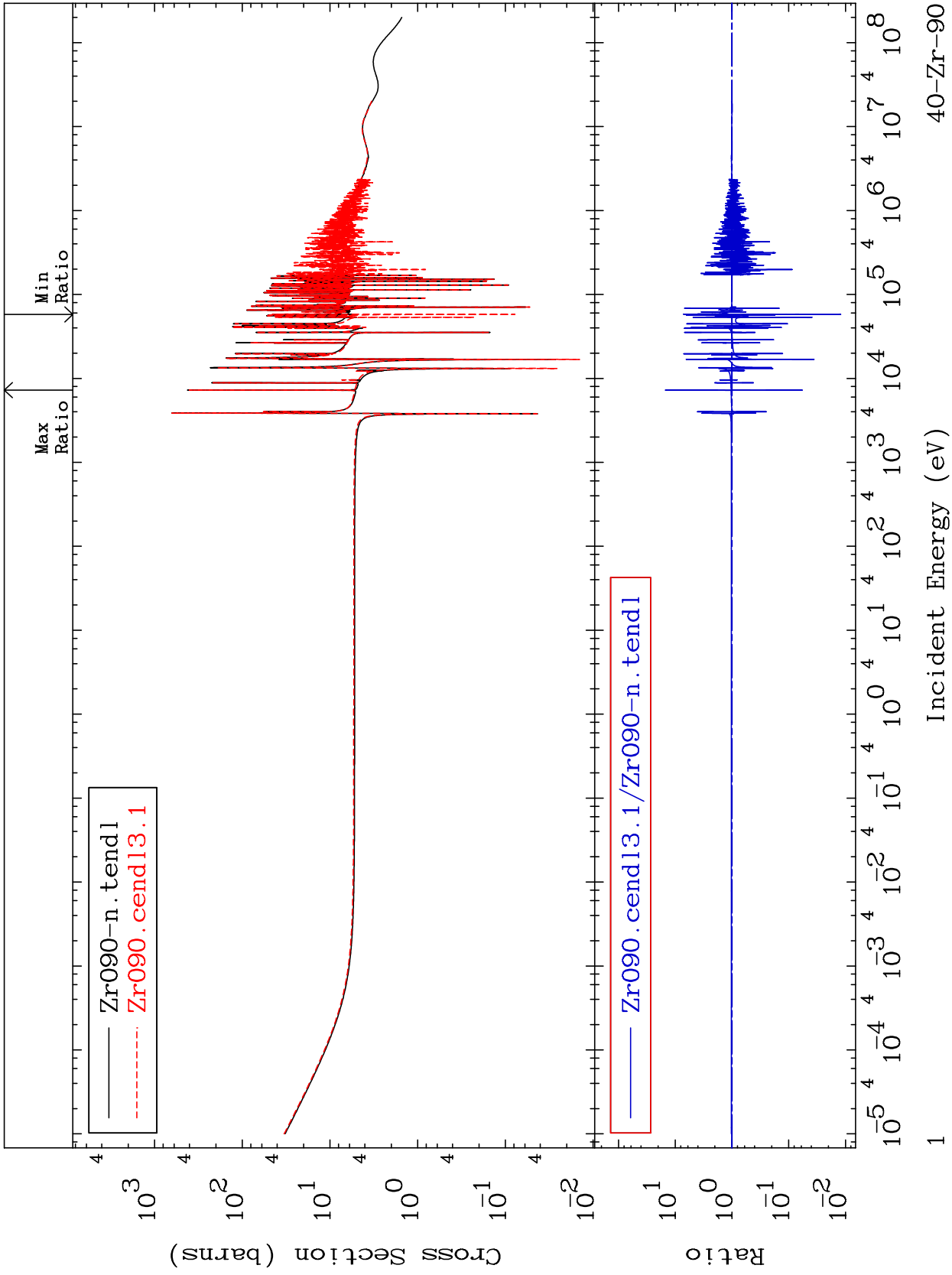


MAT 4025

Total
Cross Section

40-Zr-90
-98.79 To 1384. %



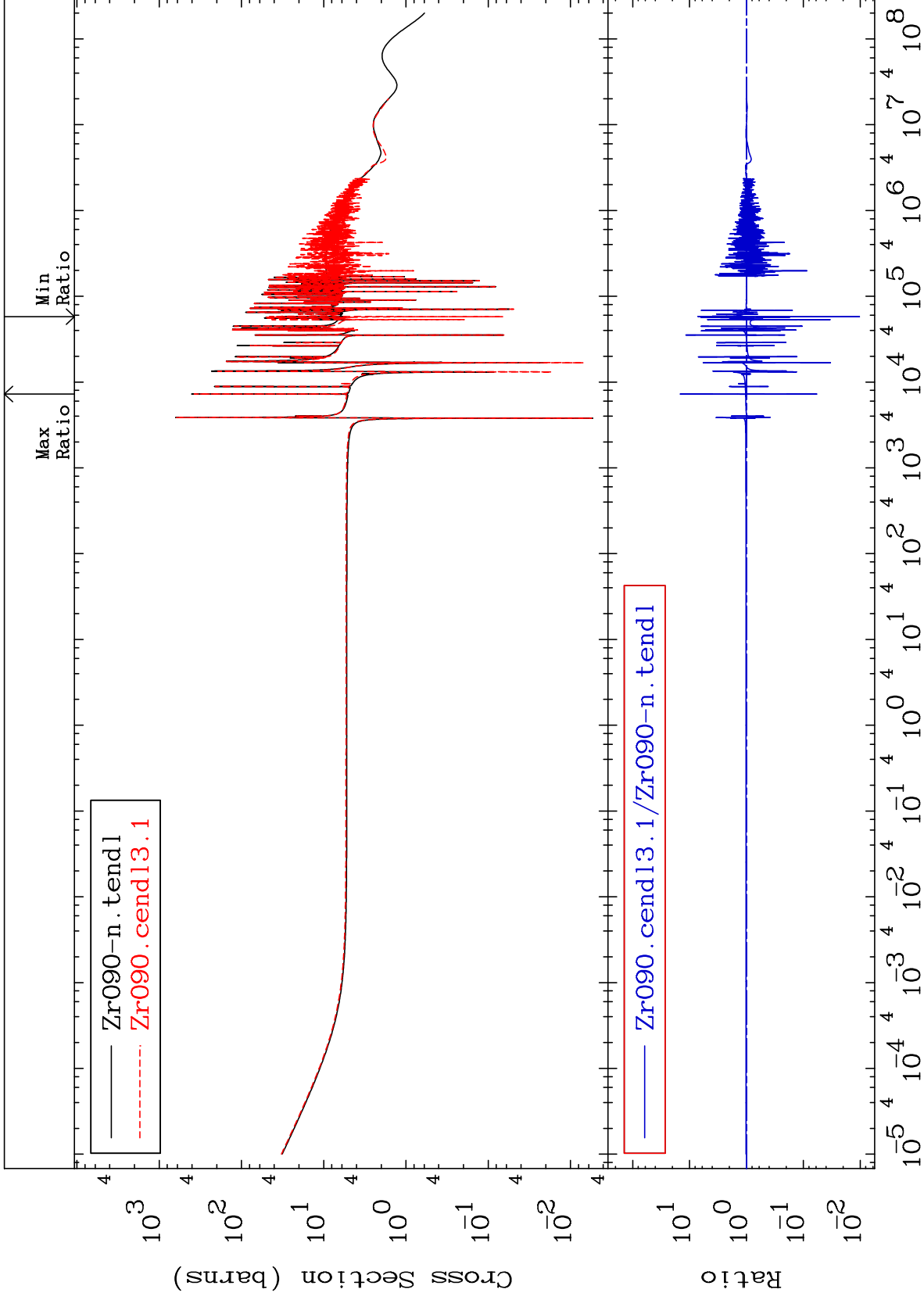
40-Zr-90

Incident Energy (eV)

MAT 4025

Elastic
Cross Section

40-Zr-90
-98.97 To 1352. %



Incident Energy (eV)

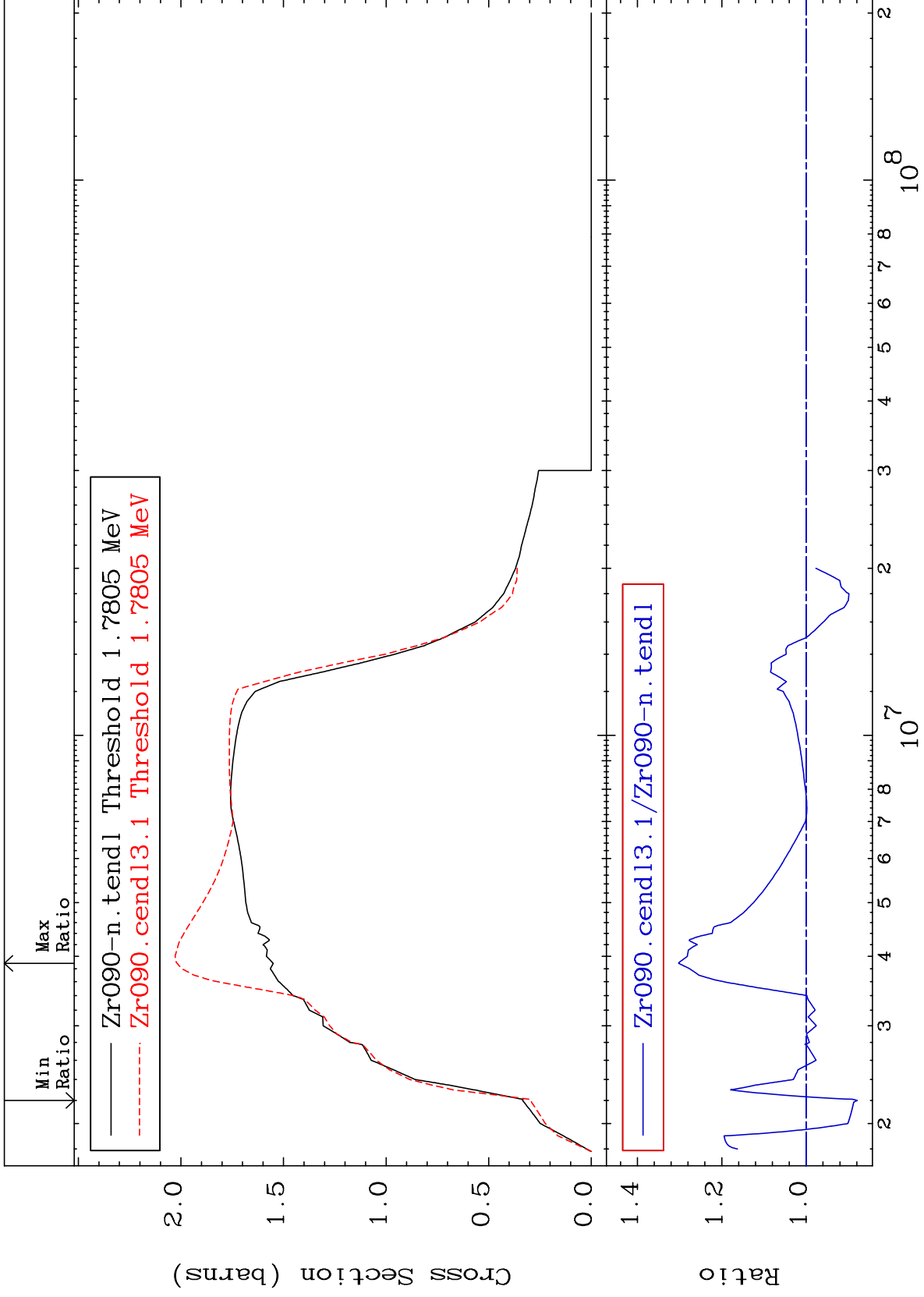
40-Zr-90

2

MAT 4025

Inelastic
Cross Section

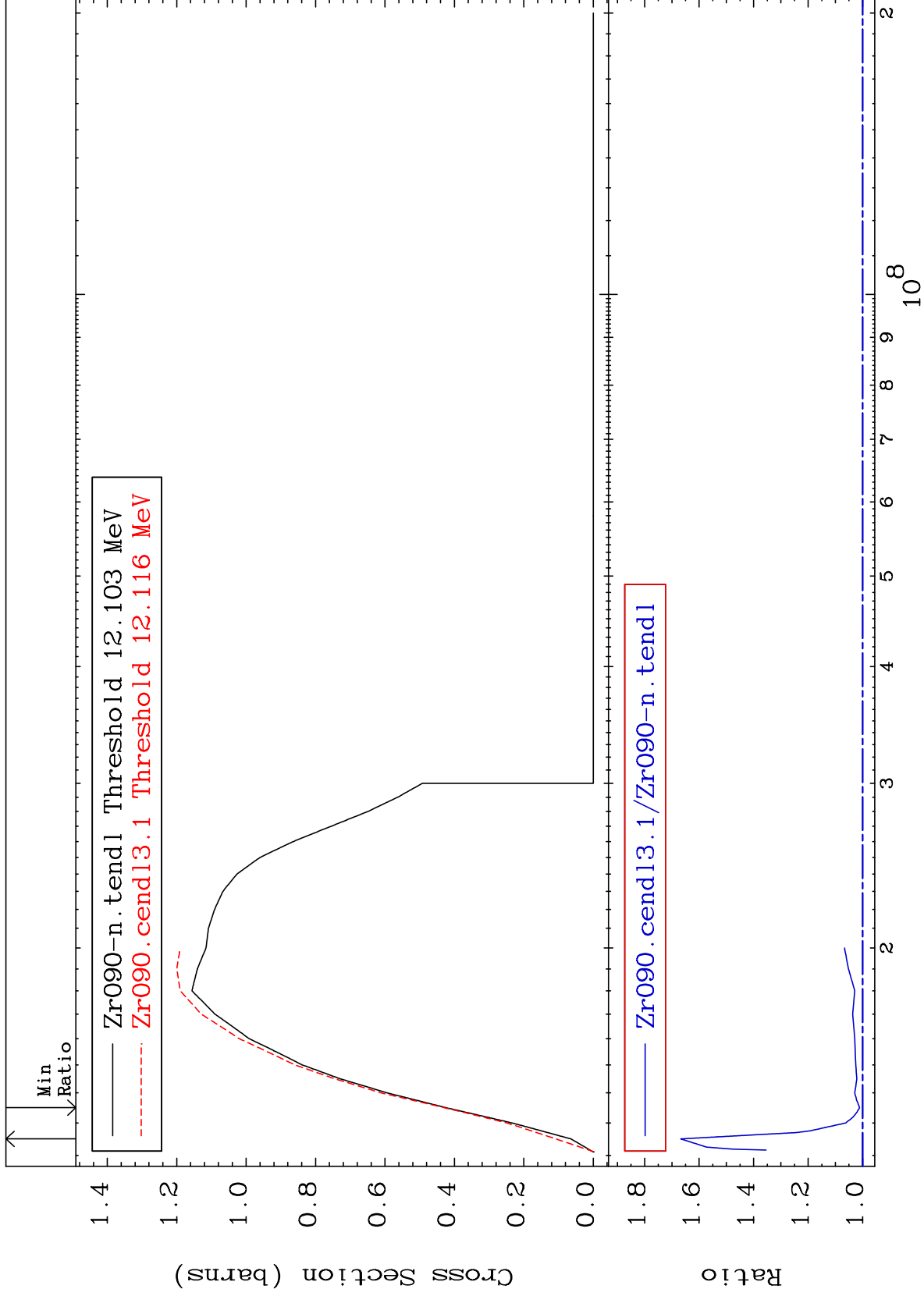
40-Zr-90
-12.11 To 30.22 %



MAT 4025

(n,2n)
Cross Section

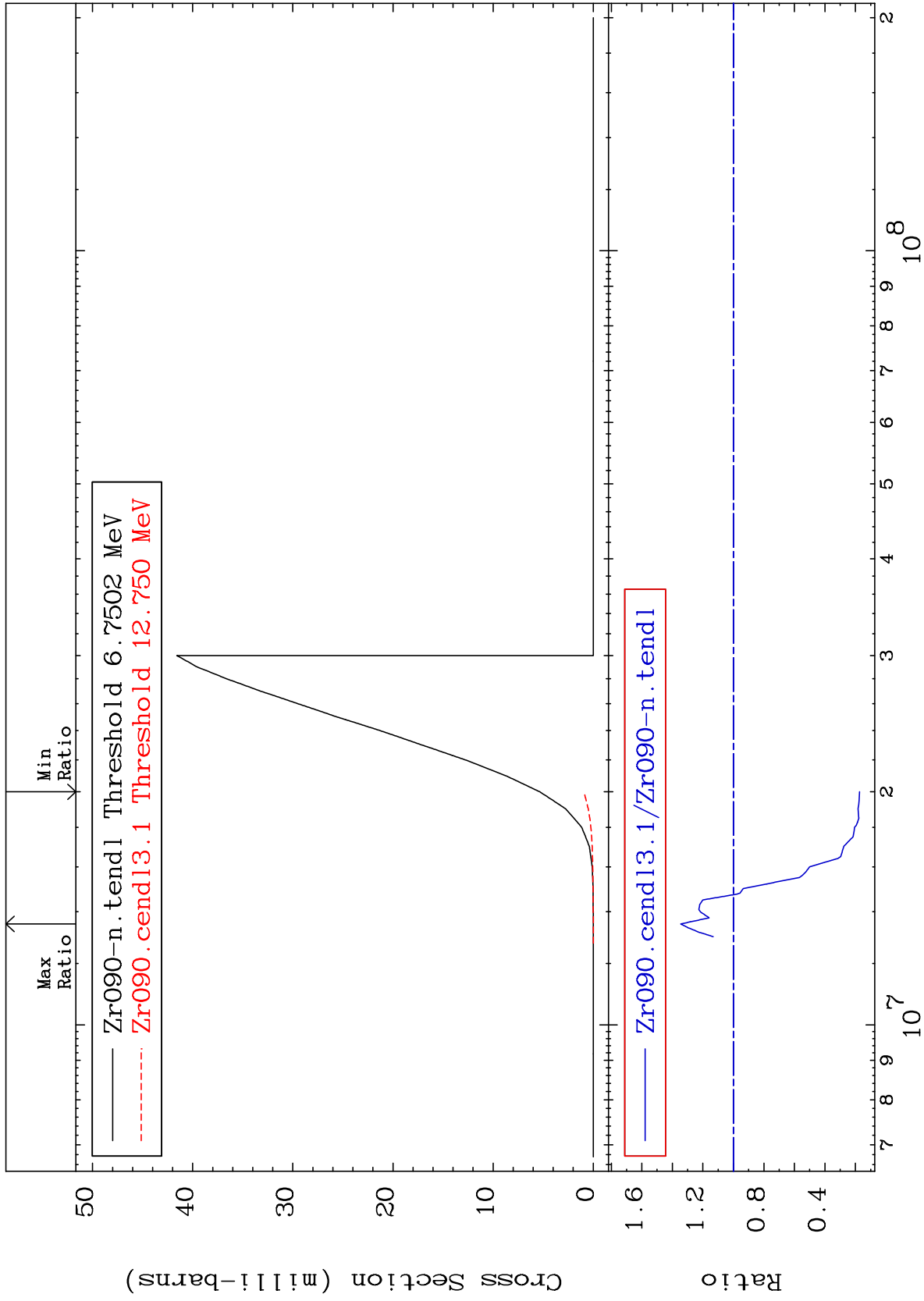
40-Zr-90
1.136 To 66.74 %



MAT 4025

(n, n') α
Cross Section

40-Zr-90
-82.69 To 34.48 %



5

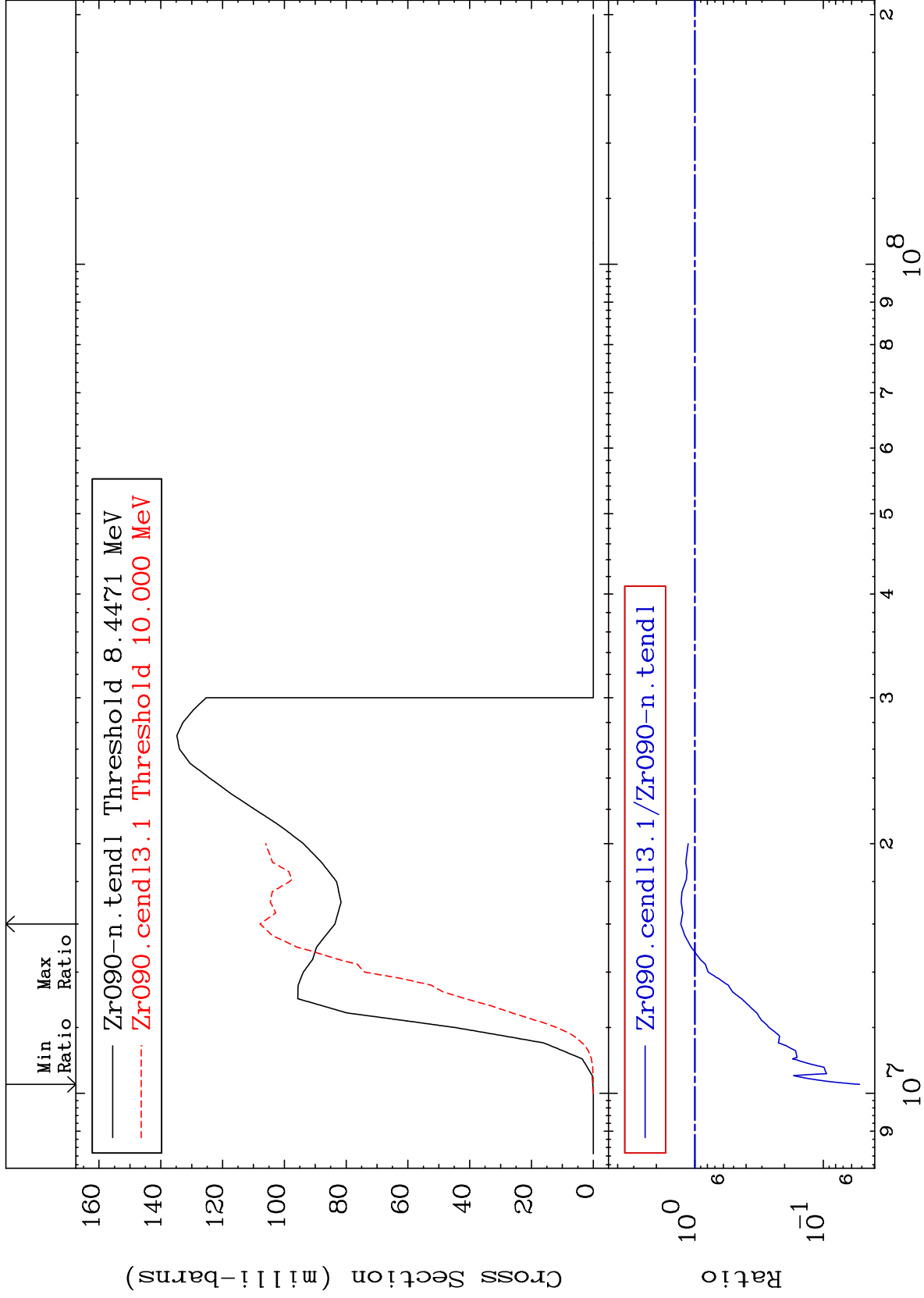
40-Zr-90

40-Zr-90

MAT 4025

(n, n') p
Cross Section

40-Zr-90
-94.79 To 28.96 %



6

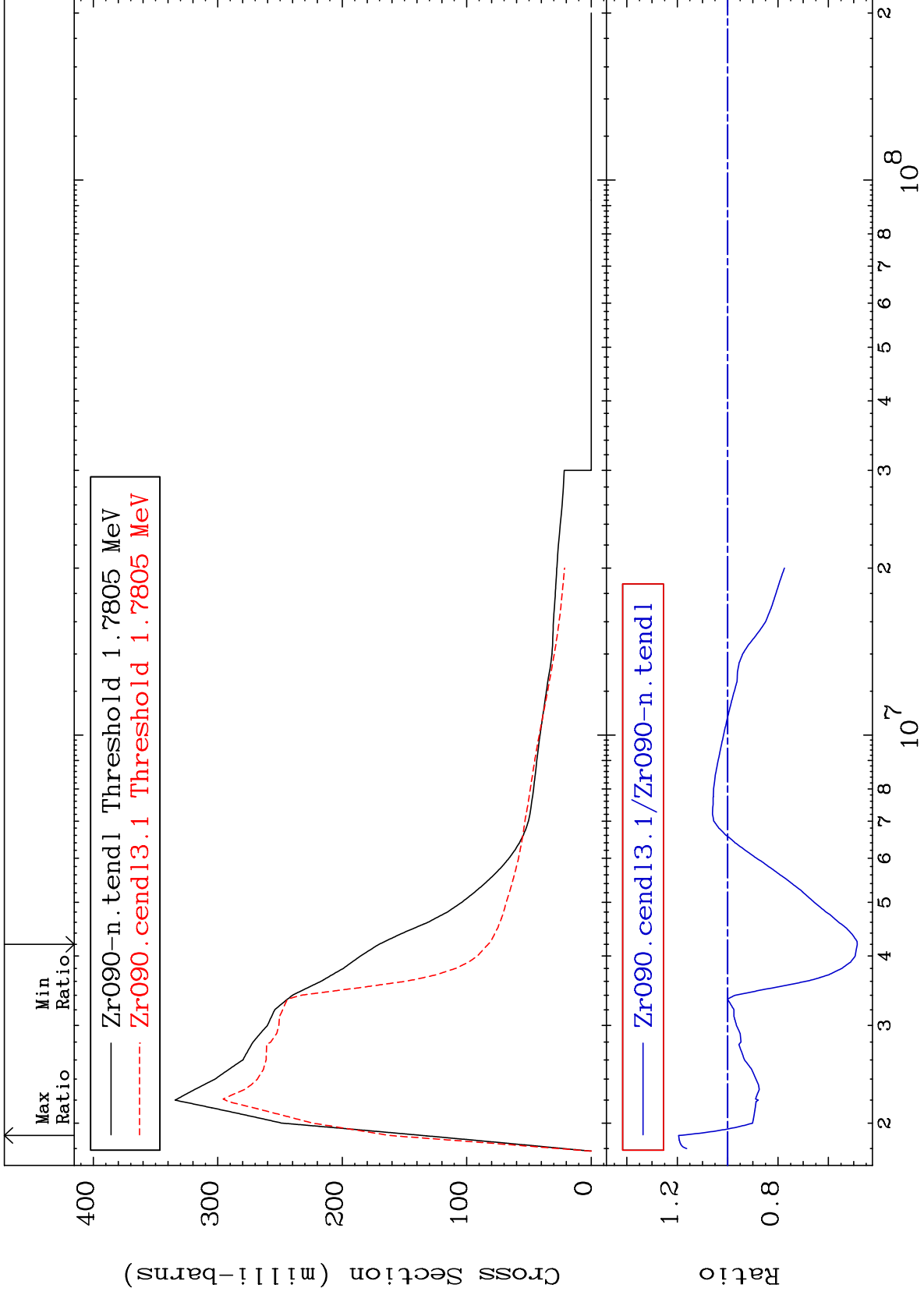
Incident Energy (eV)

40-Zr-90

MAT 4025

1.761 MeV (n,n') Level
Cross Section

40-Zr-90
-51.44 To 19.45 %



7

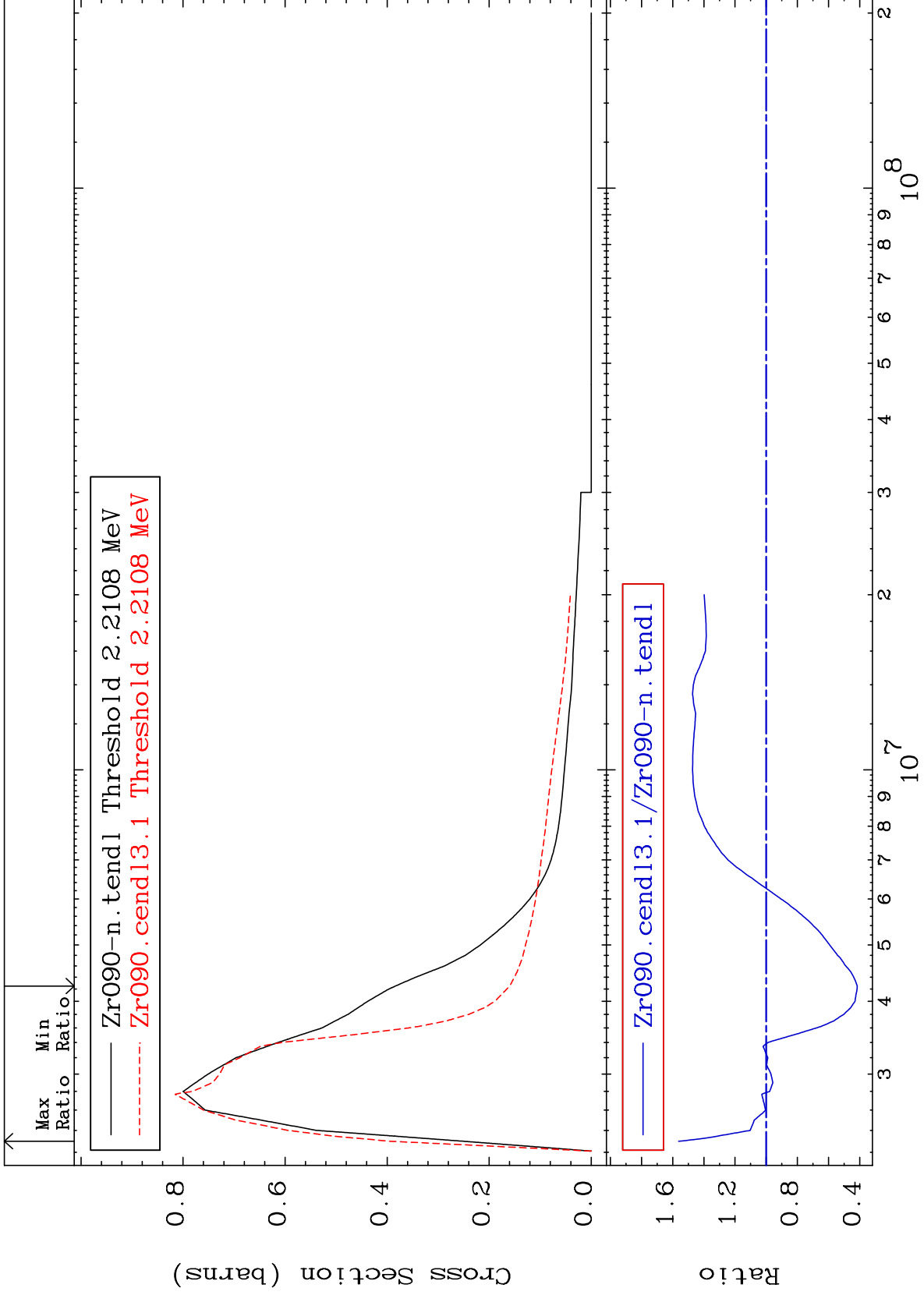
Incident Energy (eV)

40-Zr-90

MAT 4025

2.186 MeV (n,n') Level
Cross Section

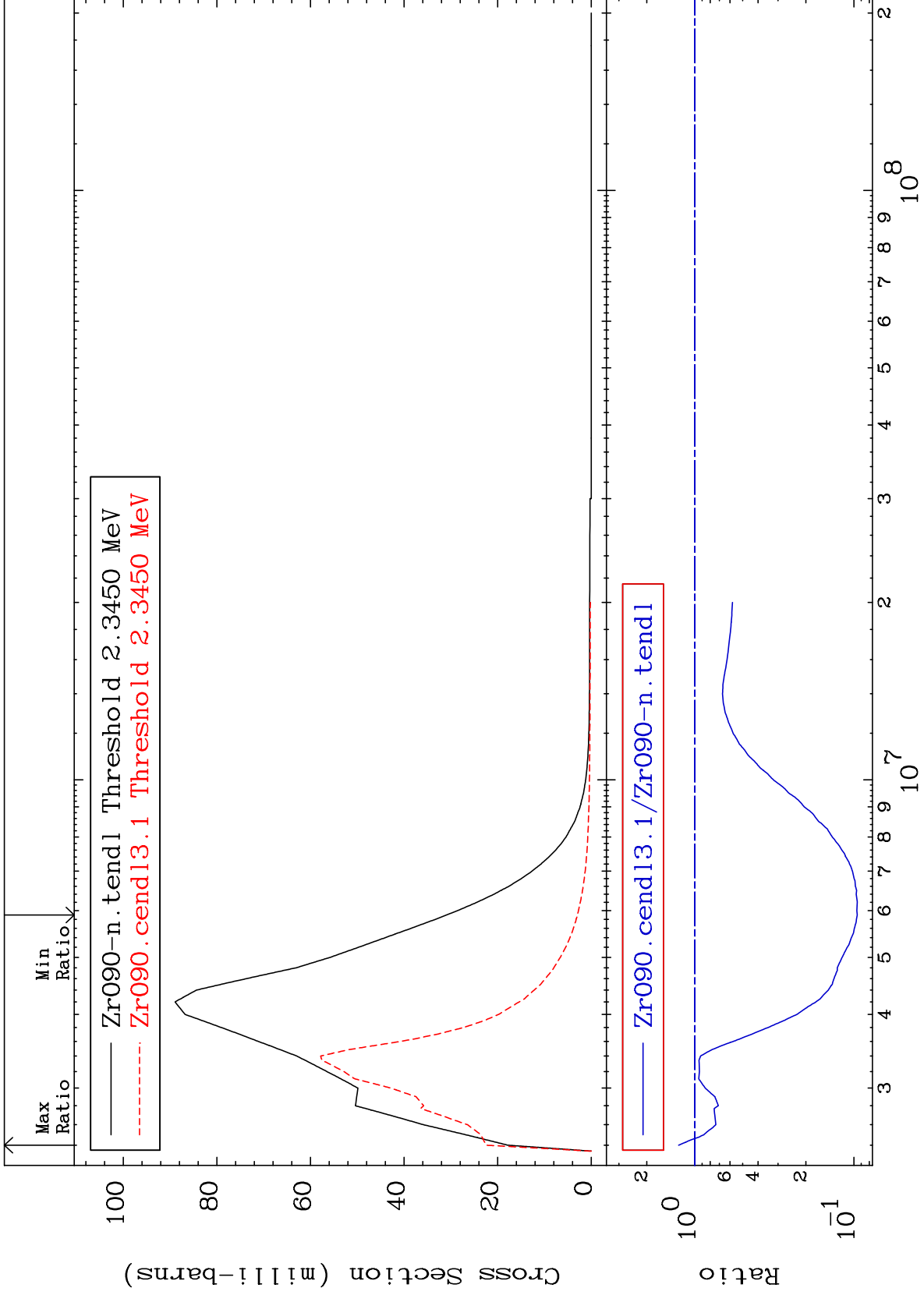
40-Zr-90
-58.42 To 56.20 %



MAT 4025

2.319 MeV (n,n') Level
Cross Section

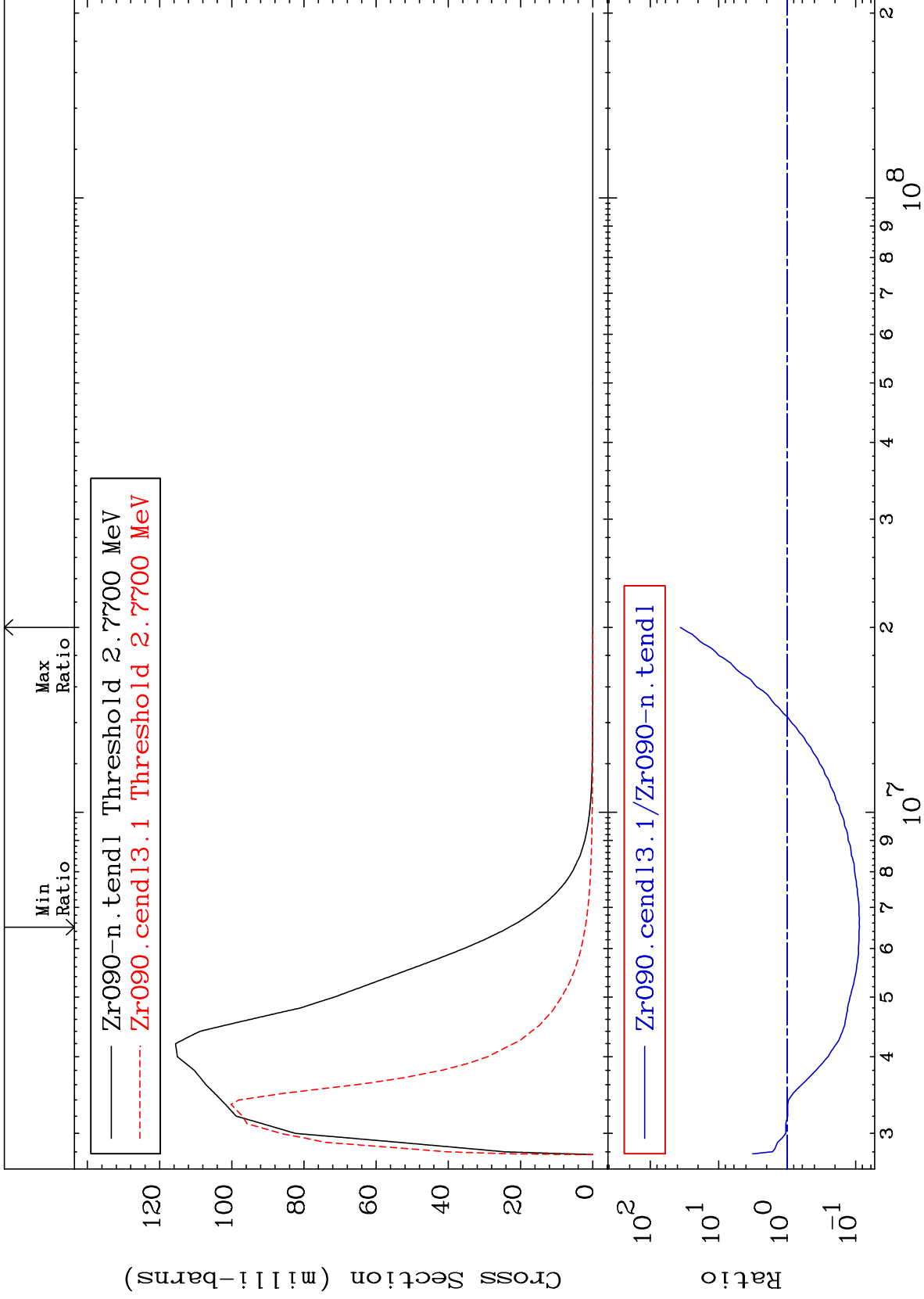
40-Zr-90
-90.48 To 26.26 %



MAT 4025

2.739 MeV (n,n') Level
Cross Section

40-Zr-90
-91.20 To 3530. %



10

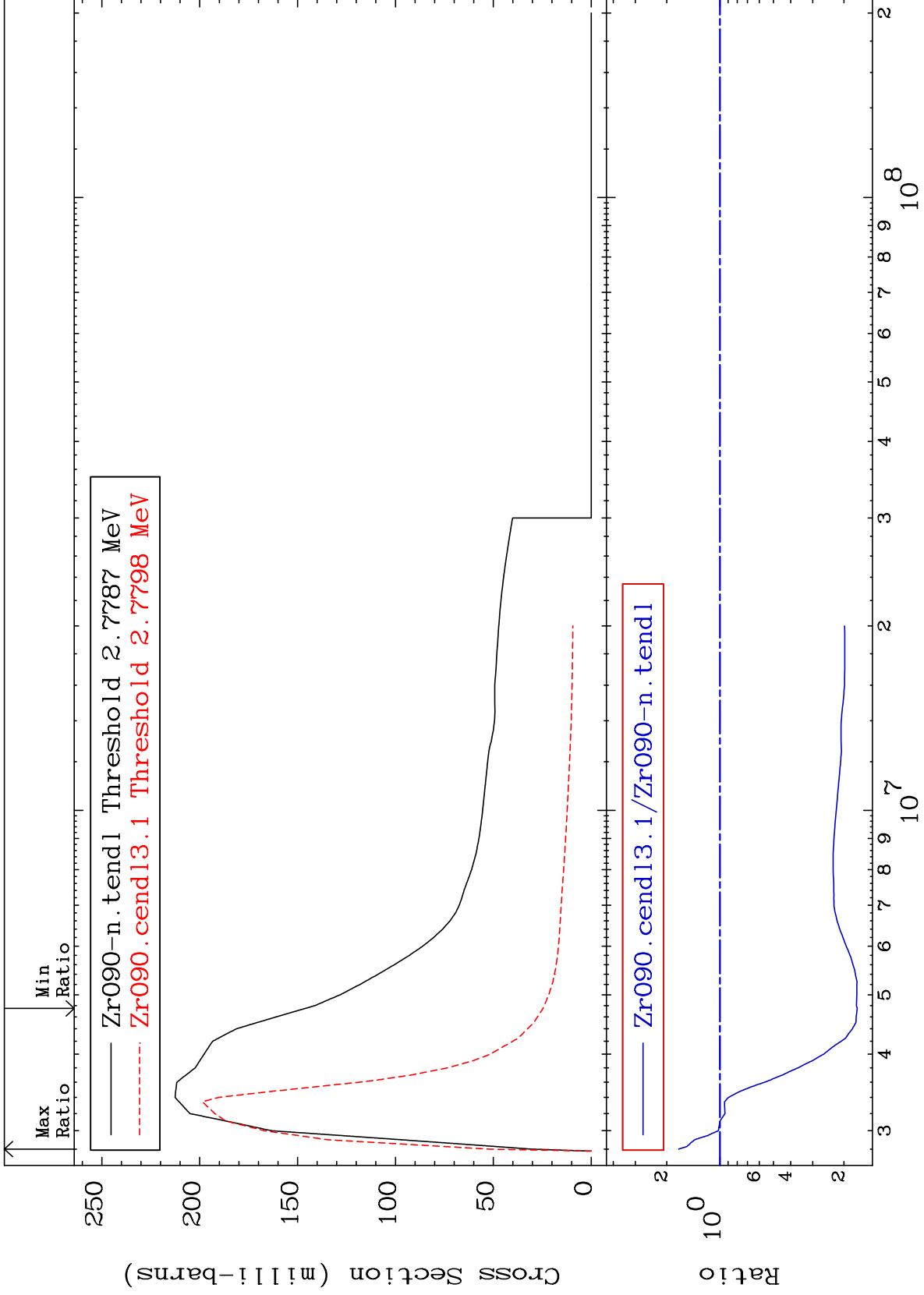
Incident Energy (eV)

40-Zr-90

MAT 4025

2.748 MeV (n,n') Level
Cross Section

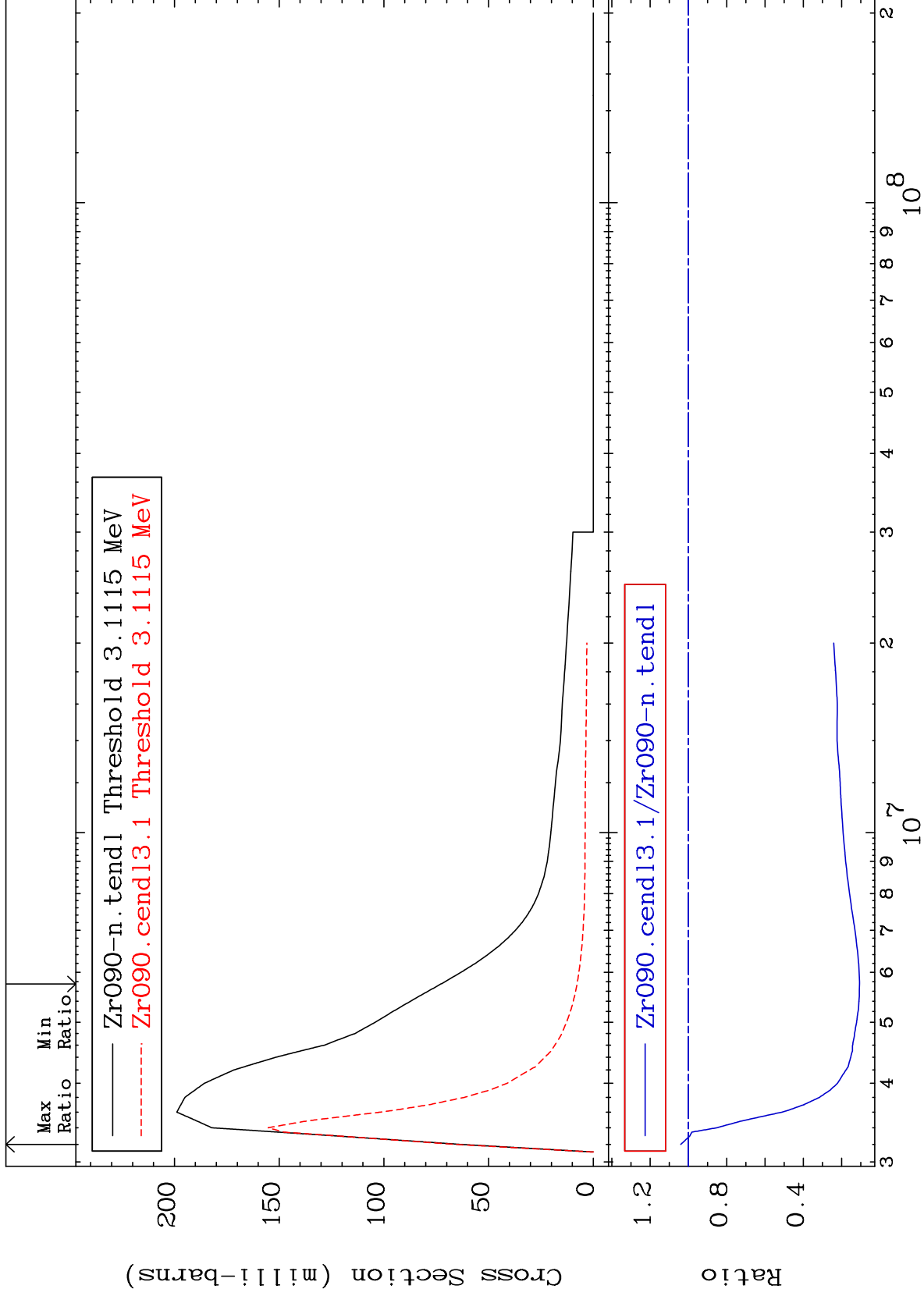
40-Zr-90
-83.16 To 71.14 %



MAT 4025

3.077 MeV (n,n') Level
Cross Section

40-Zr-90
-89.35 To 4.034 %



12

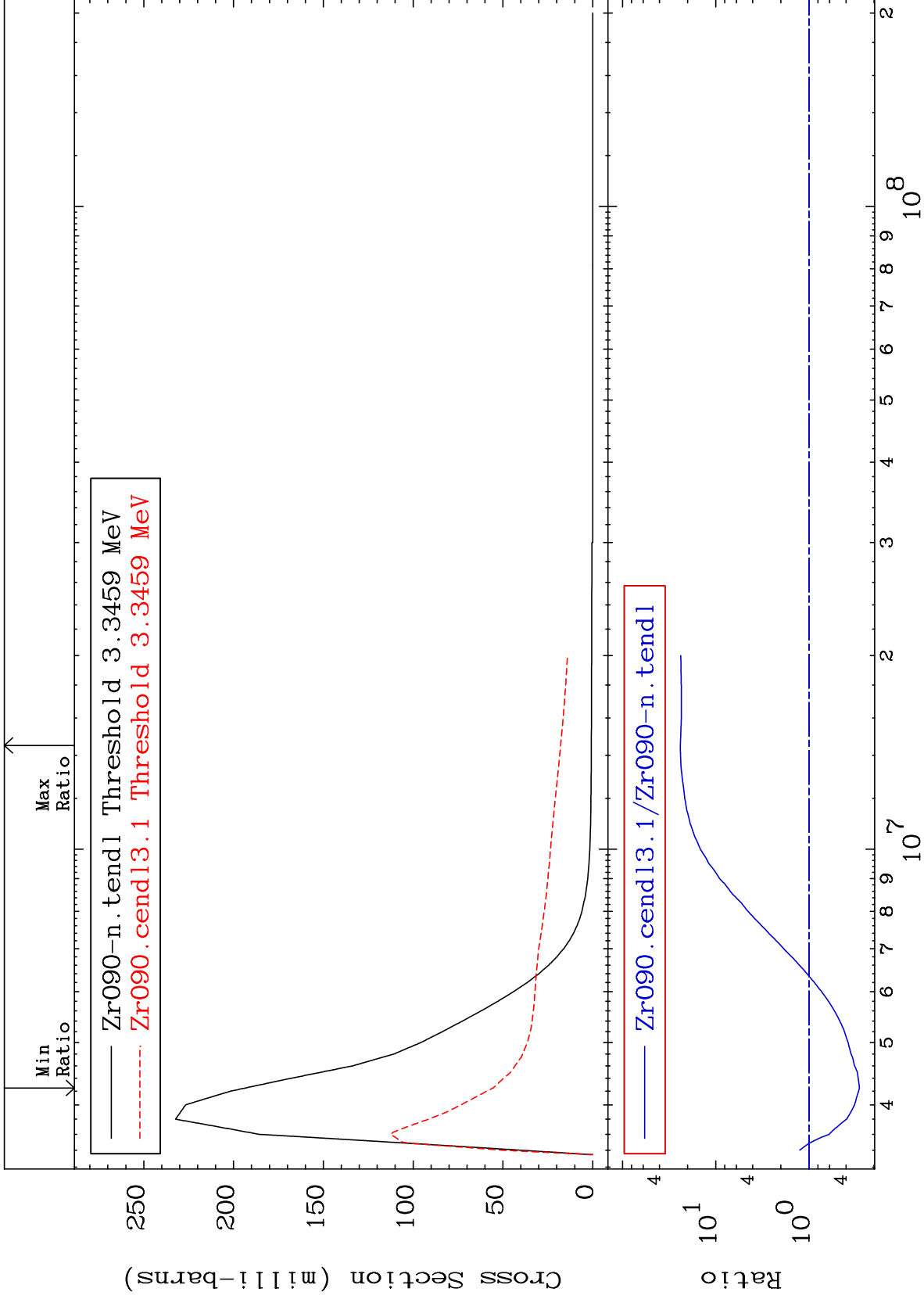
Incident Energy (eV)

40-Zr-90

MAT 4025

3.309 MeV (n,n') Level
Cross Section

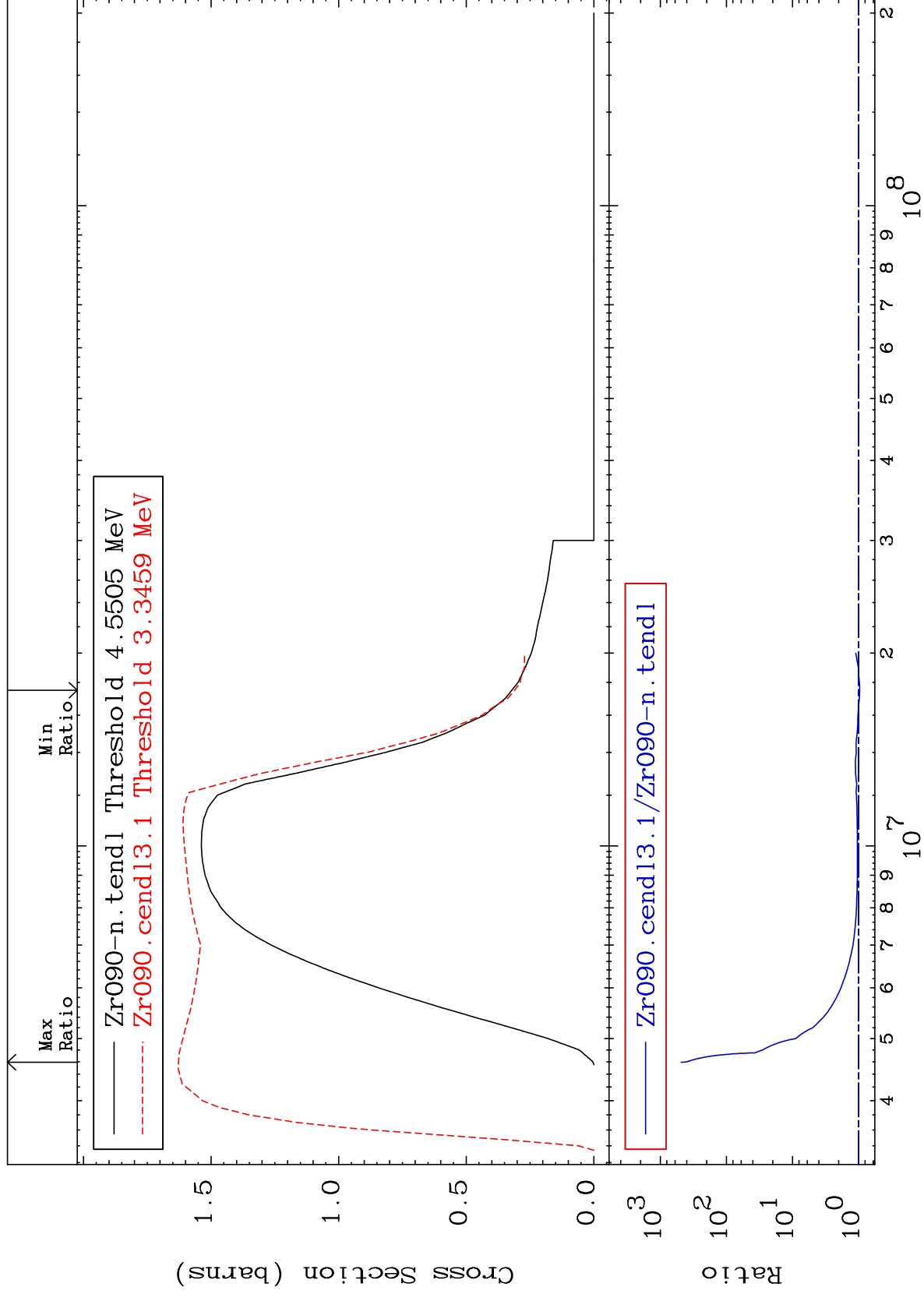
40-Zr-90
-71.30 To 2293. %



MAT 4025

(n, n') Continuum
Cross Section

40-Zr-90
-3.486 To 9999. %



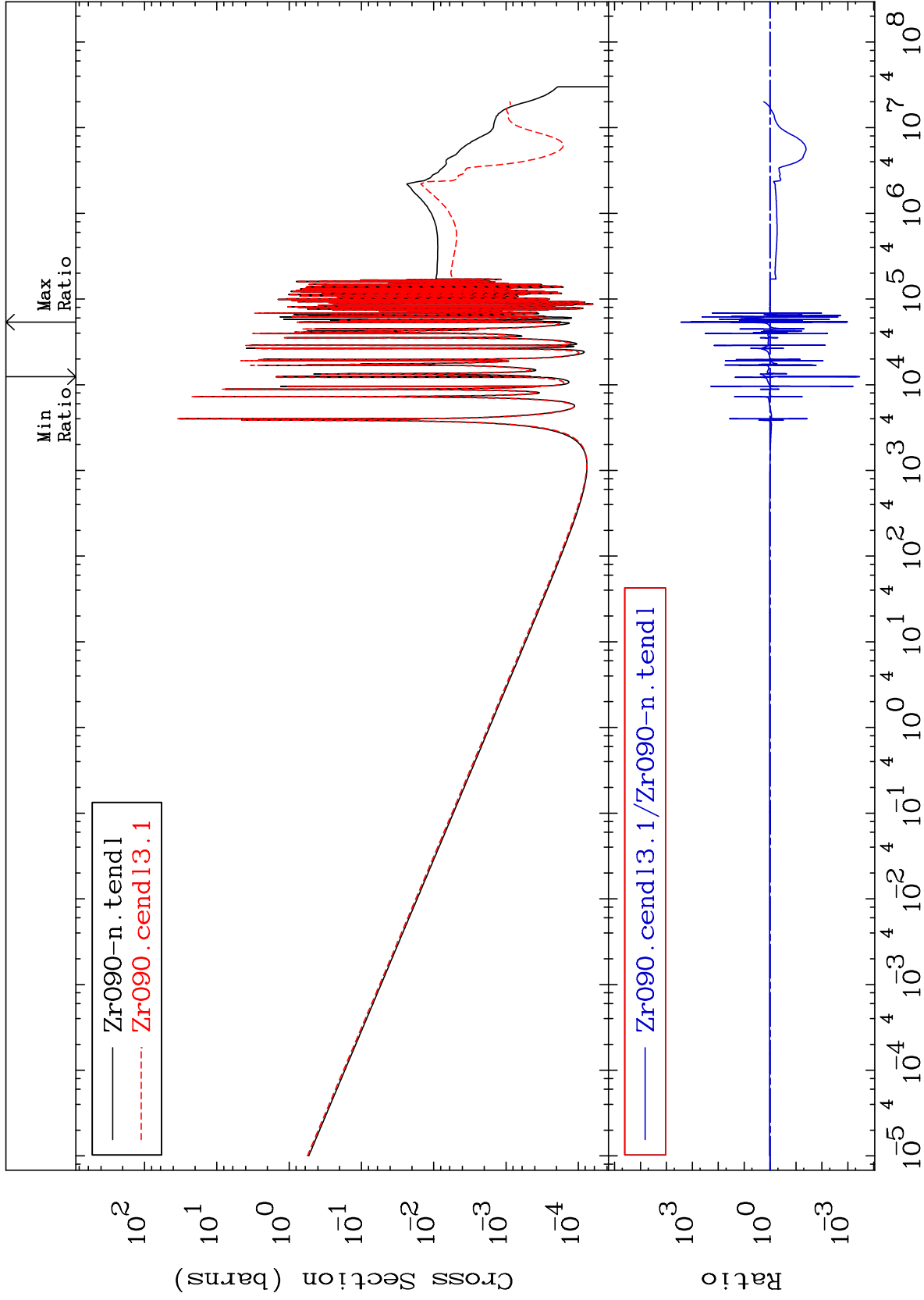
MAT 4025

(n, γ)

40-Zr-90

Cross Section

-99.96 To 9999. %



15

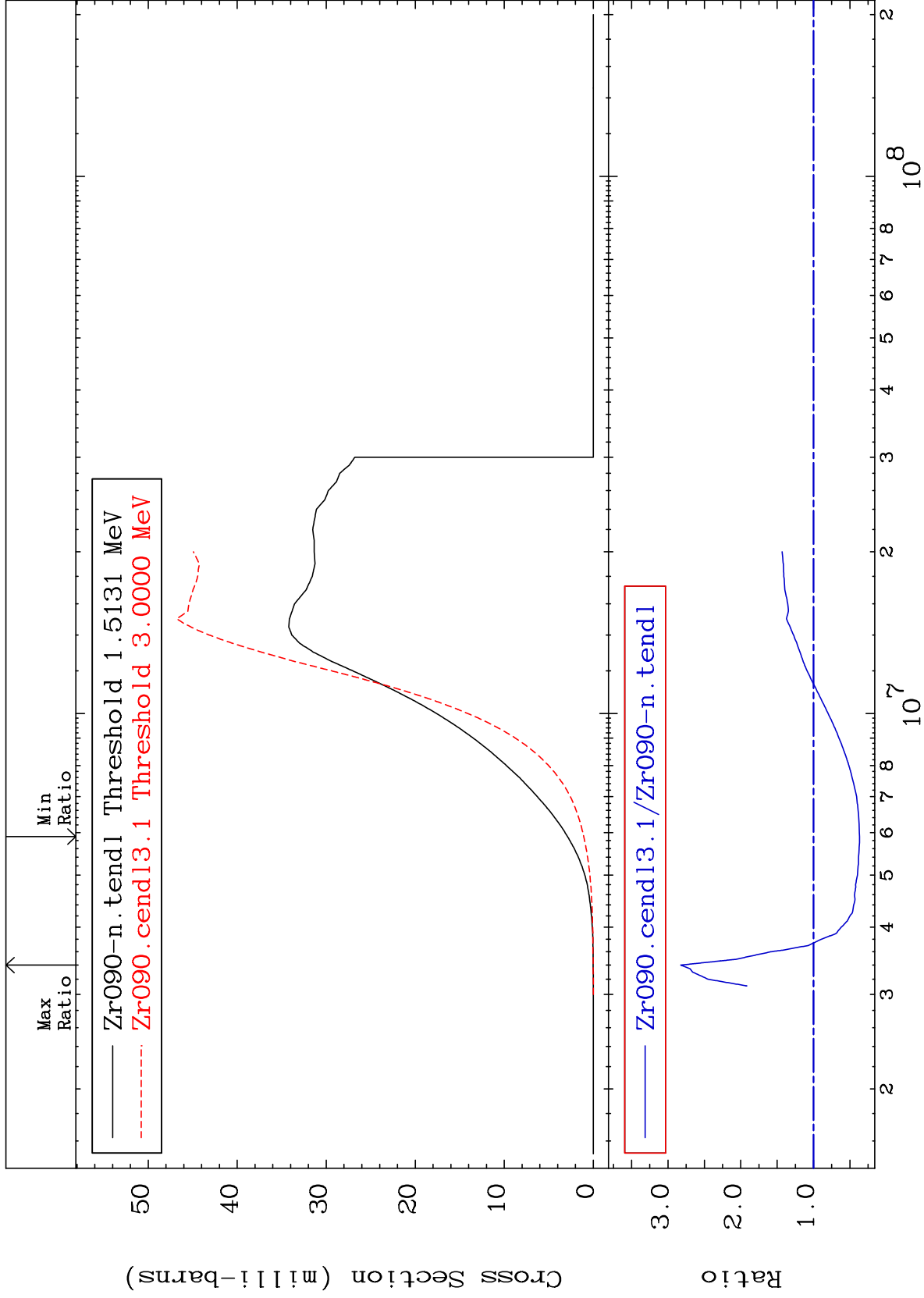
Incident Energy (eV)

40-Zr-90

MAT 4025

(n, p)
Cross Section

40-Zr-90
-63.24 To 182.4 %



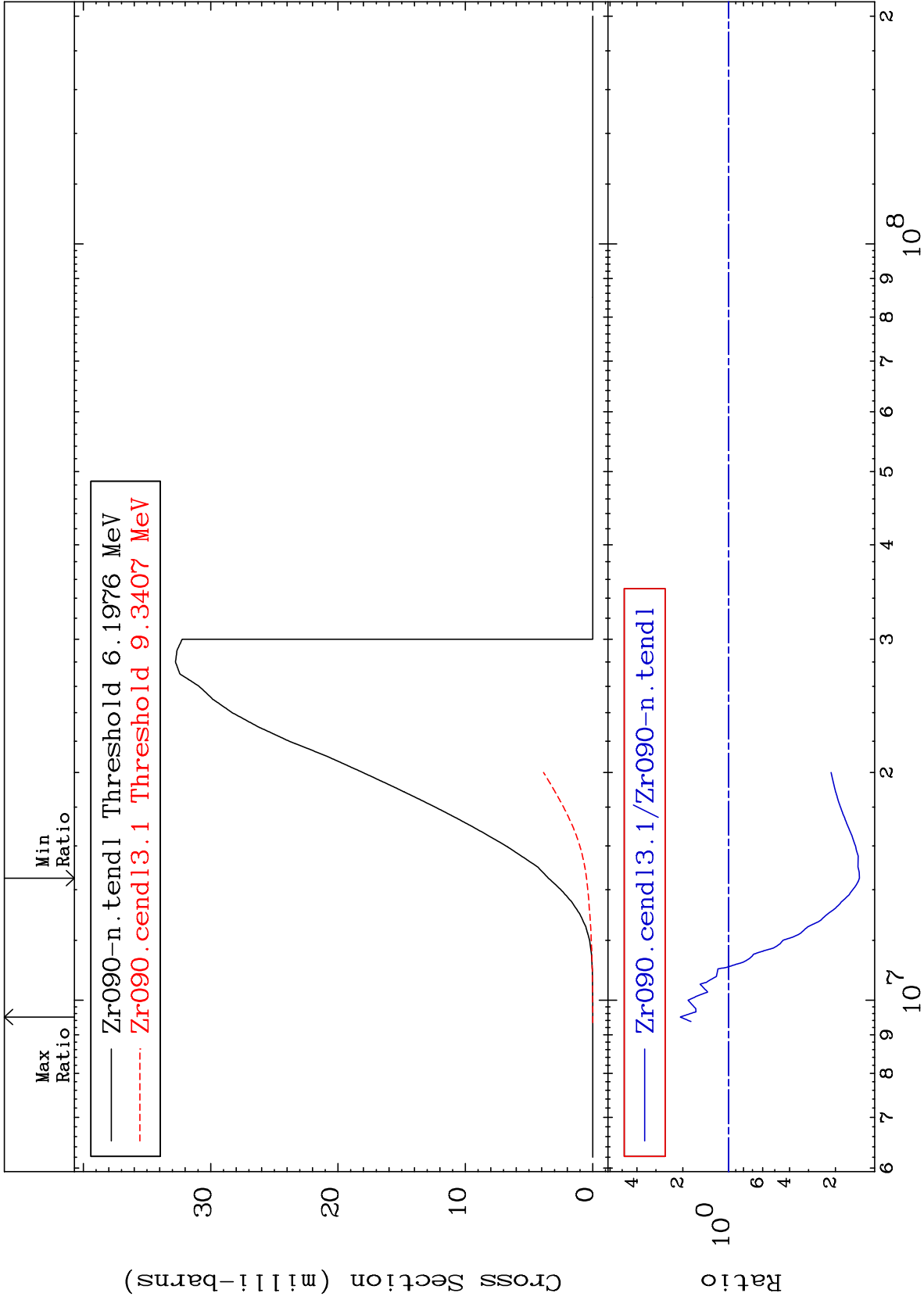
MAT 4025

(n, d)

40-Zr-90

Cross Section

-86.07 To 107.5 %



17

40-Zr-90

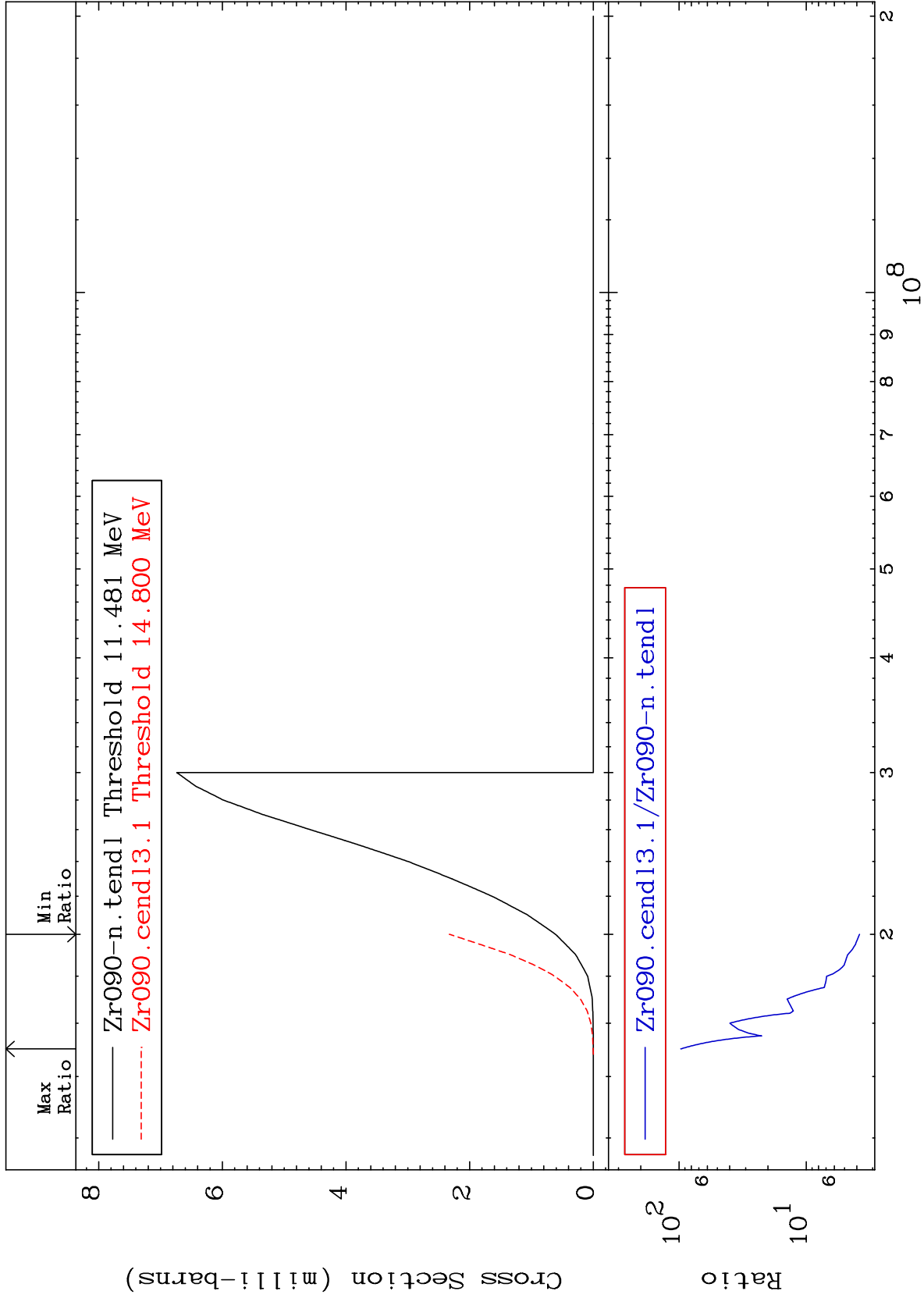
MAT 4025

(n, t)

40-Zr-90

Cross Section

280.9 To 9601. %



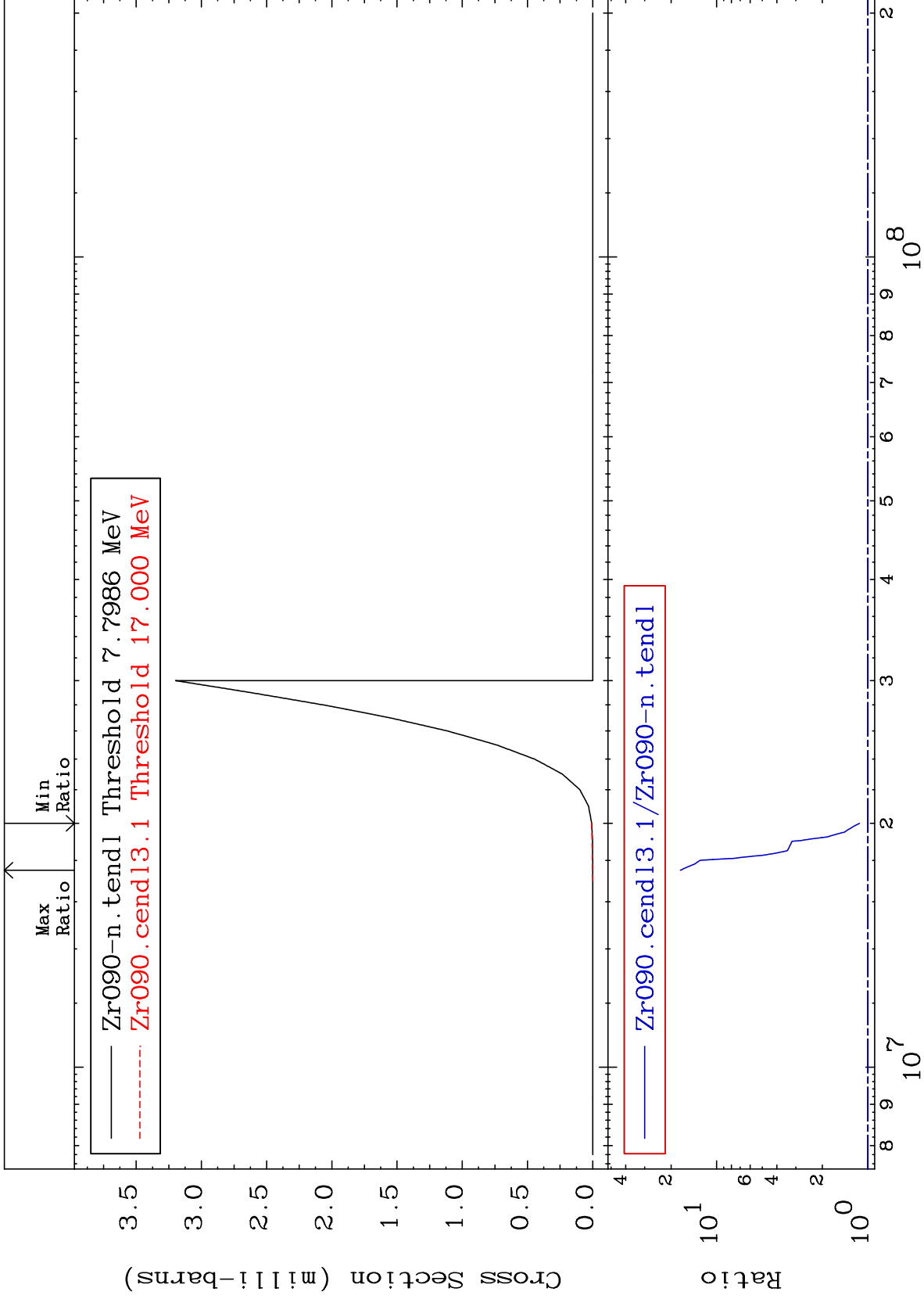
MAT 4025

(n,He-3)

40-Zr-90

Cross Section

13.71 To 1639. %



19

Incident Energy (eV)

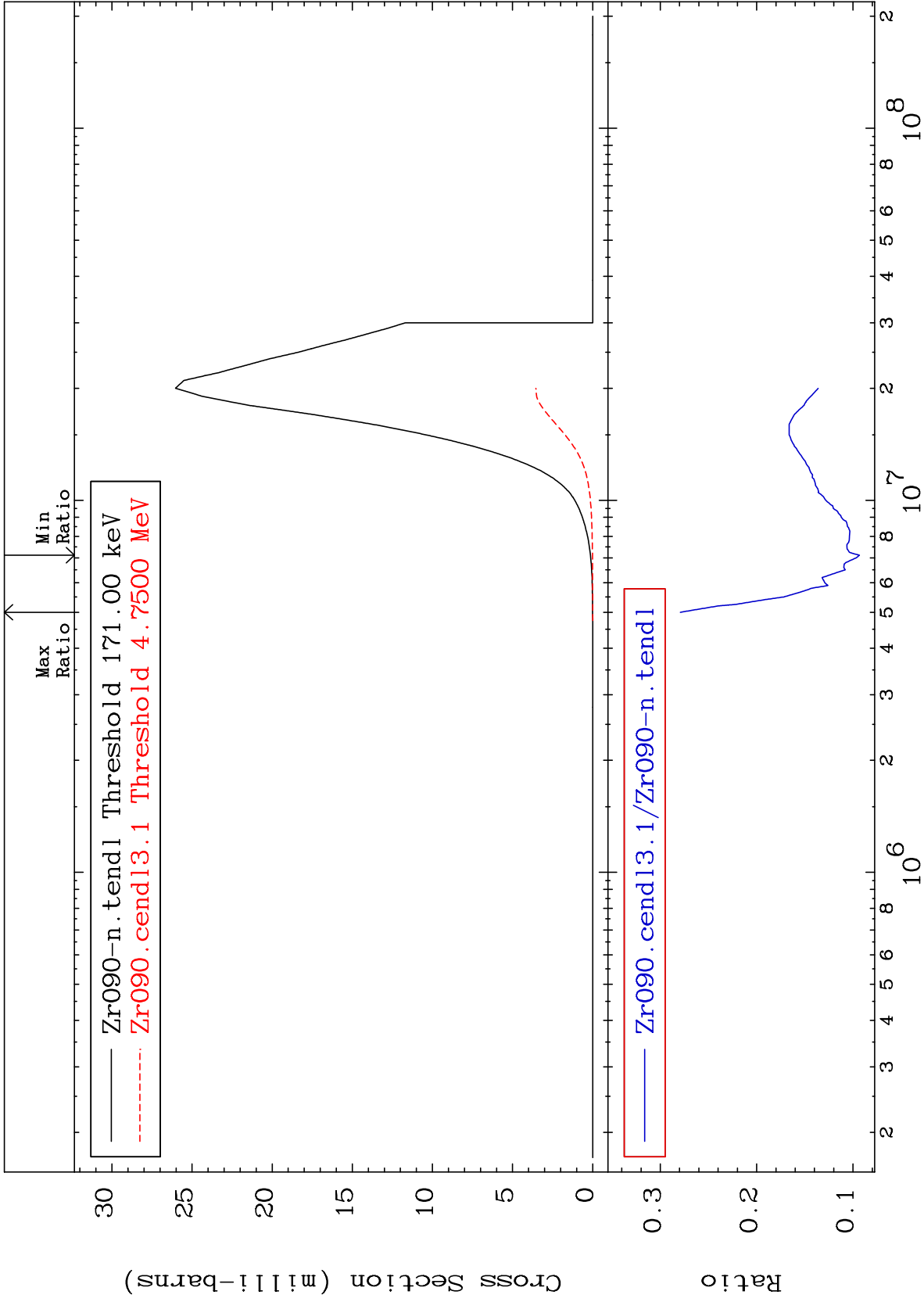
40-Zr-90

MAT 4025

40-Zr-90

-90.67 To -72.08%

(n, α)
Cross Section



20

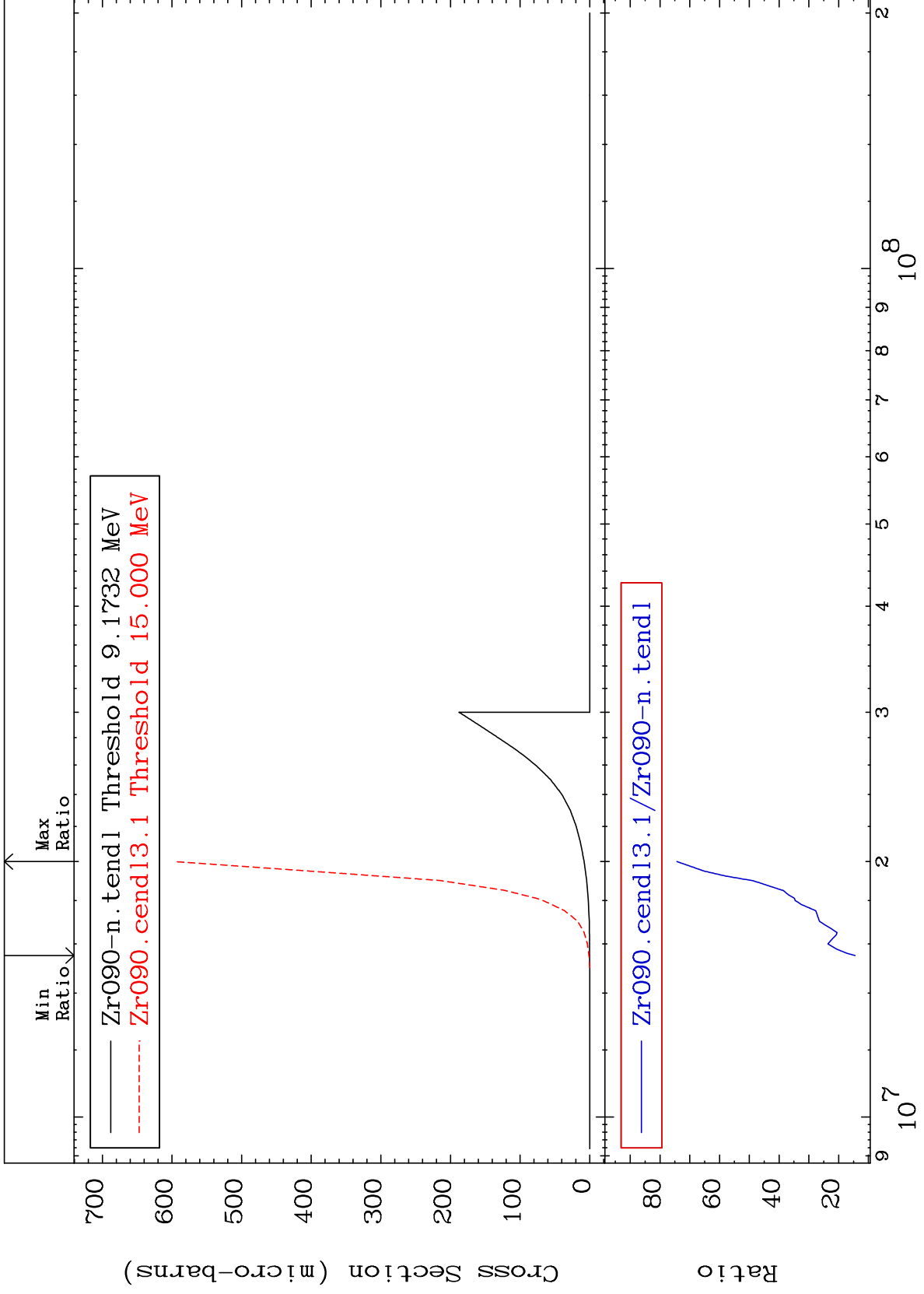
Incident Energy (eV)

40-Zr-90

MAT 4025

(n,2p)
Cross Section

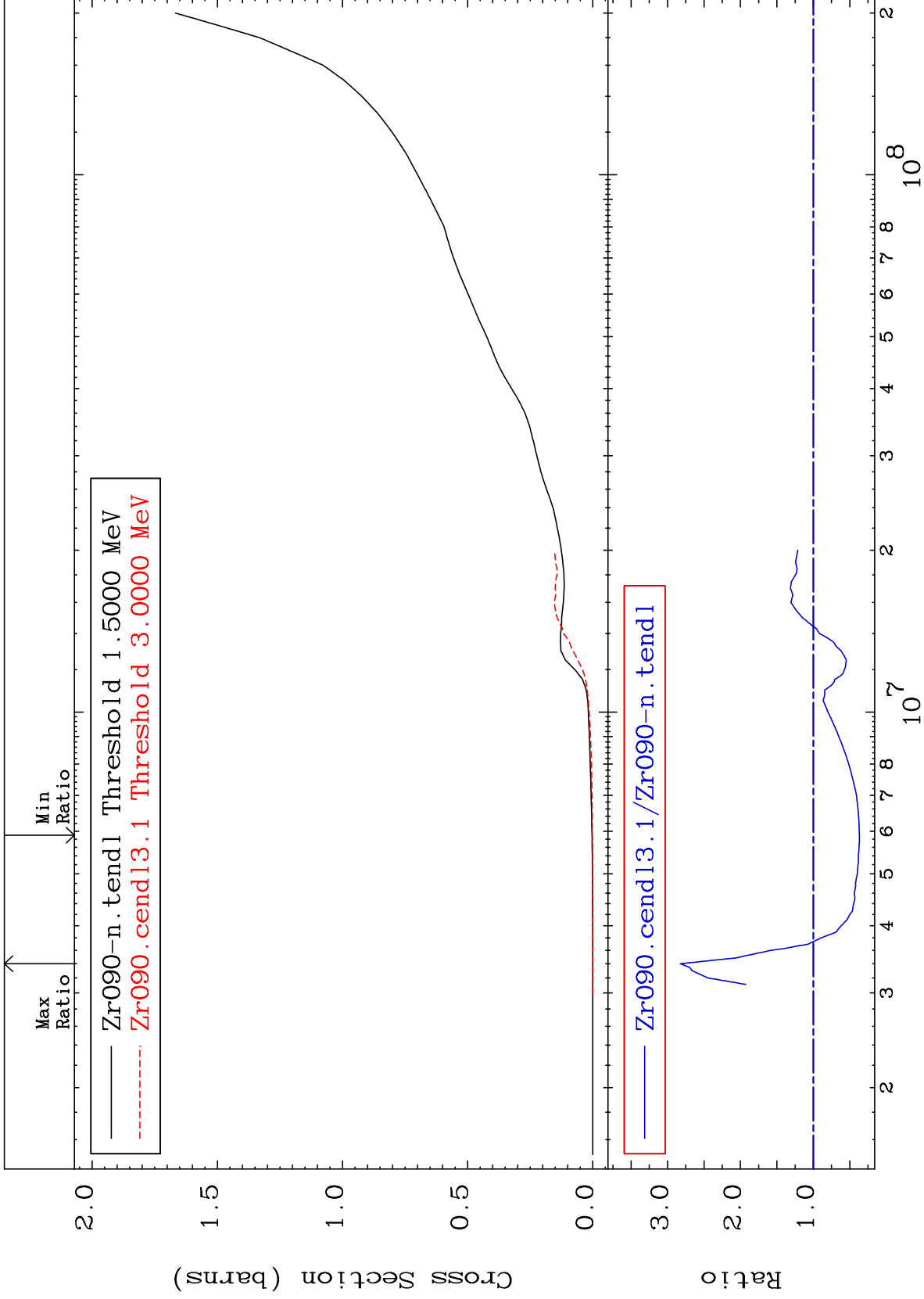
40-Zr-90
1348. To 7331. %



MAT 4025

Hydrogen Production
Cross Section

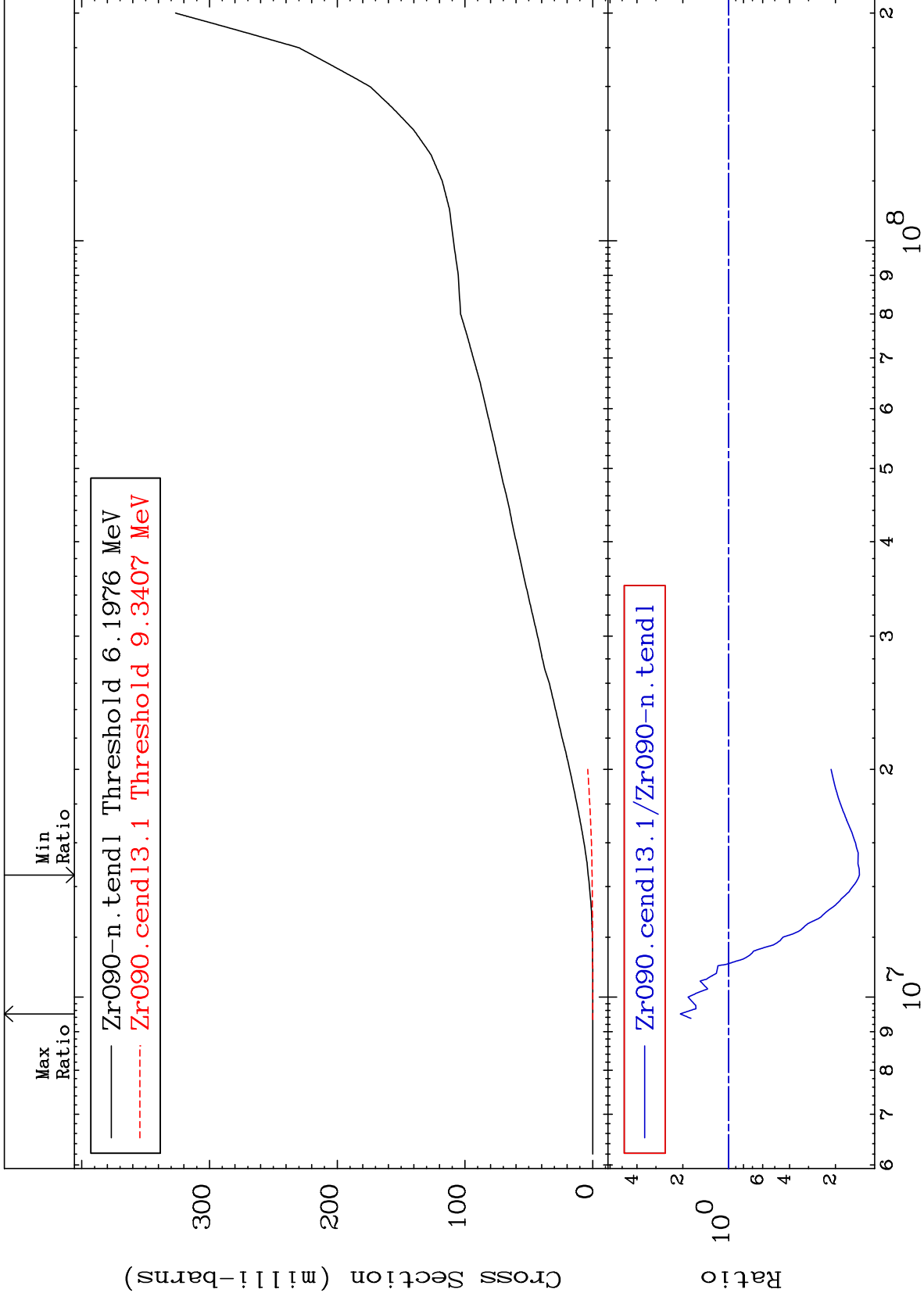
40-Zr-90
-63.24 To 182.4 %



MAT 4025

Deuterium Production
Cross Section

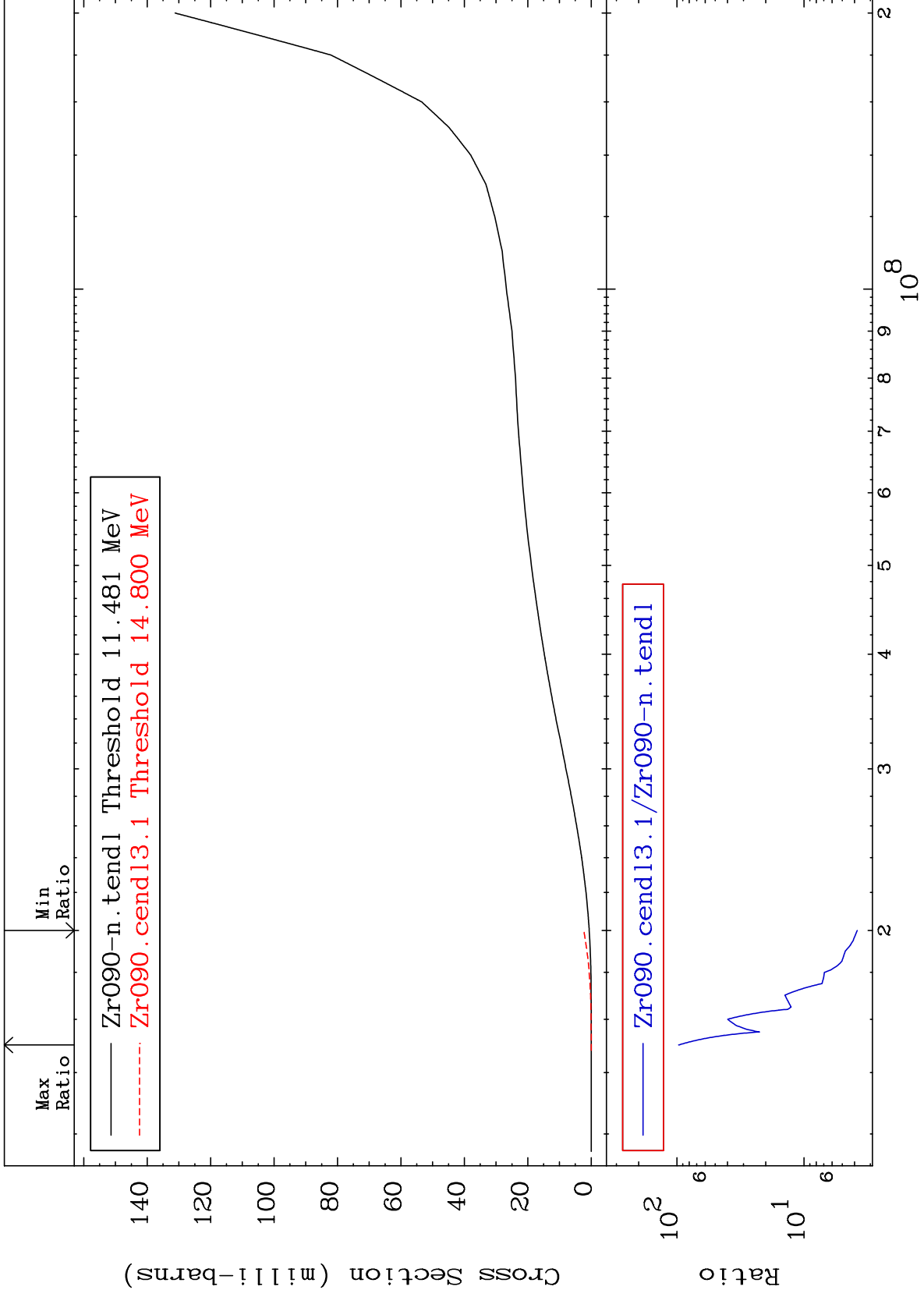
40-Zr-90
-86.07 To 107.5 %



MAT 4025

Tritium Production
Cross Section

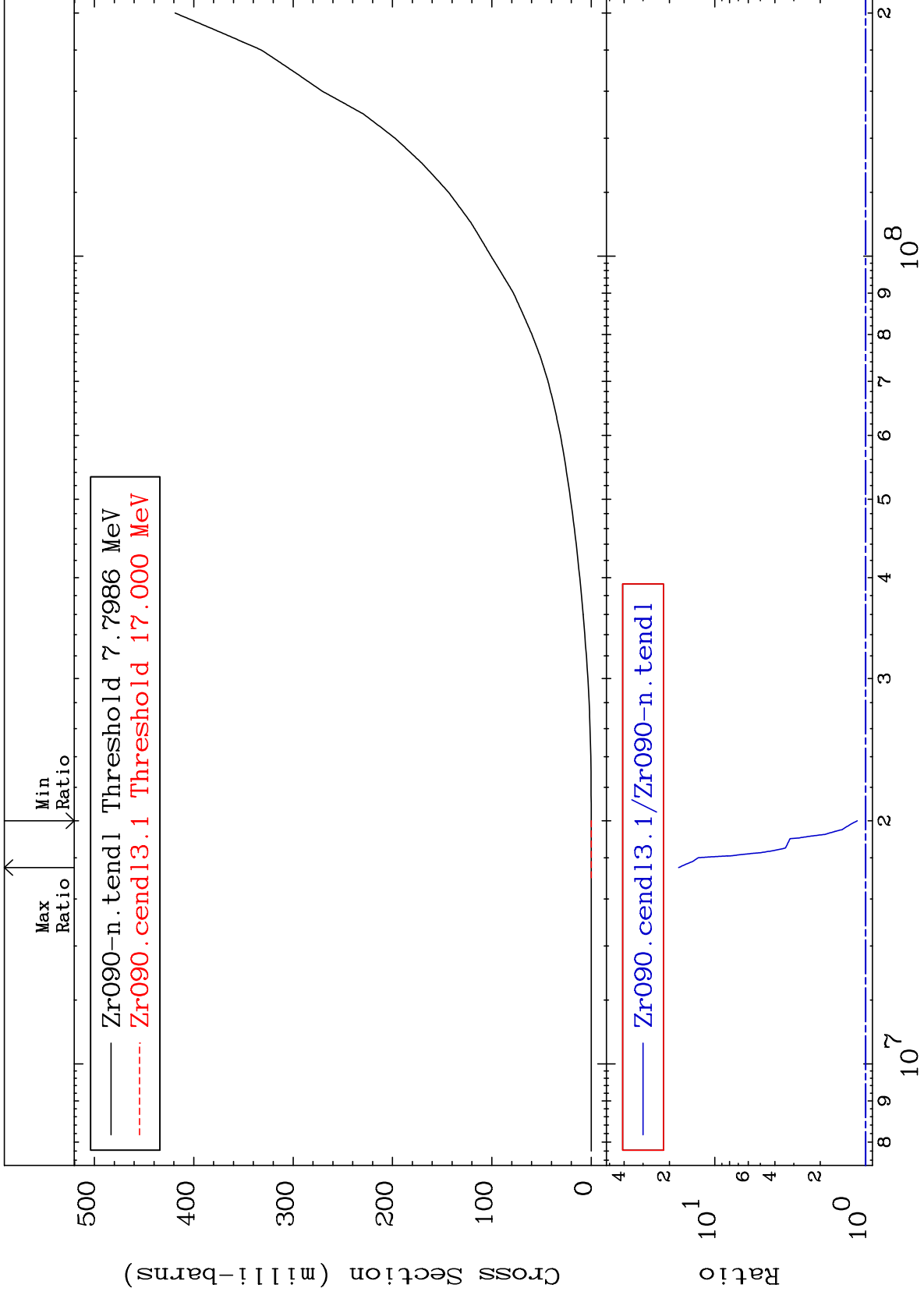
40-Zr-90
280.9 To 9601. %



MAT 4025

He-3 Production
Cross Section

40-Zr-90
13.71 To 1639. %



25

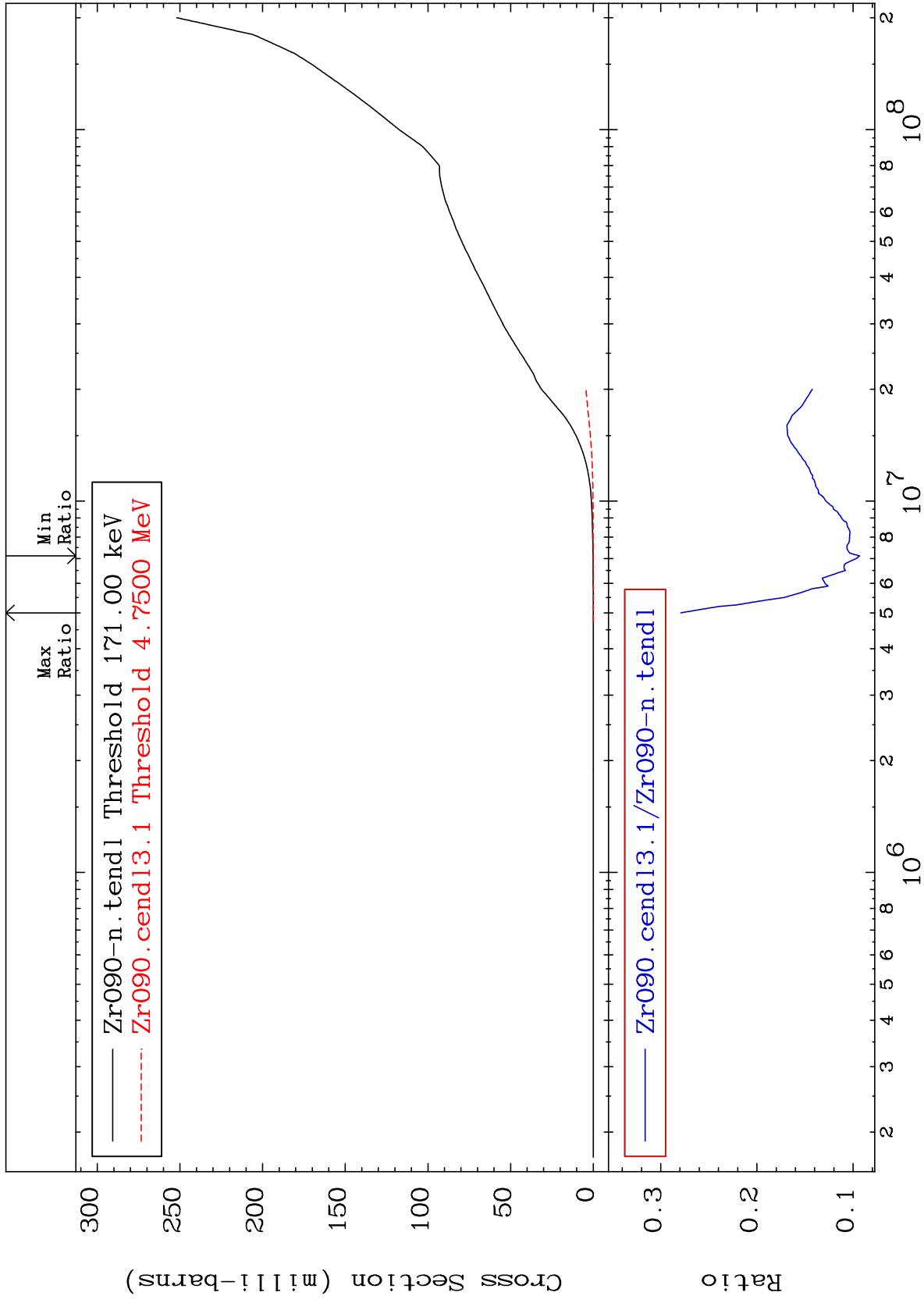
Incident Energy (eV)

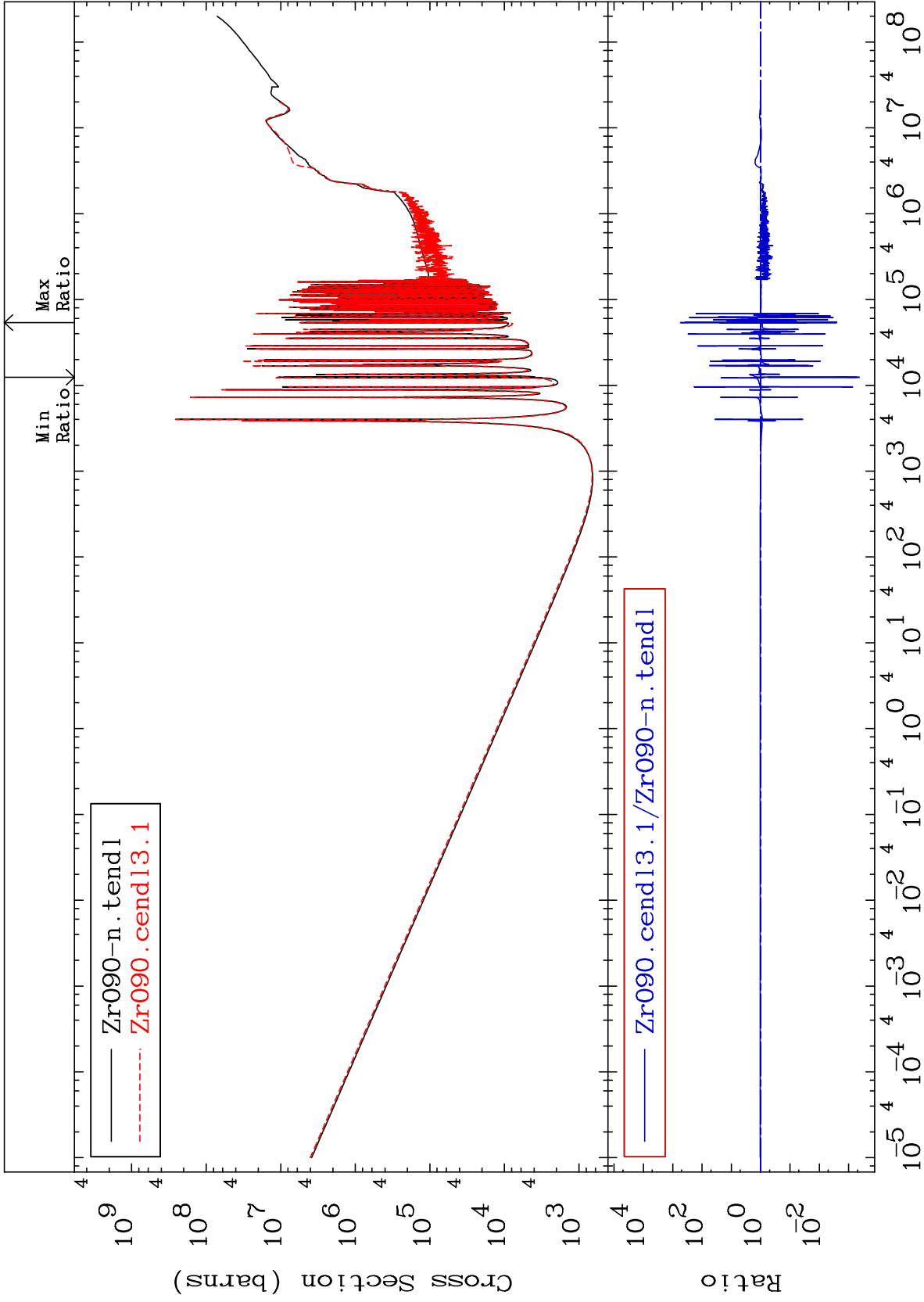
40-Zr-90

MAT 4025

He-4 Production
Cross Section

40-Zr-90
-90.67 To -72.08%

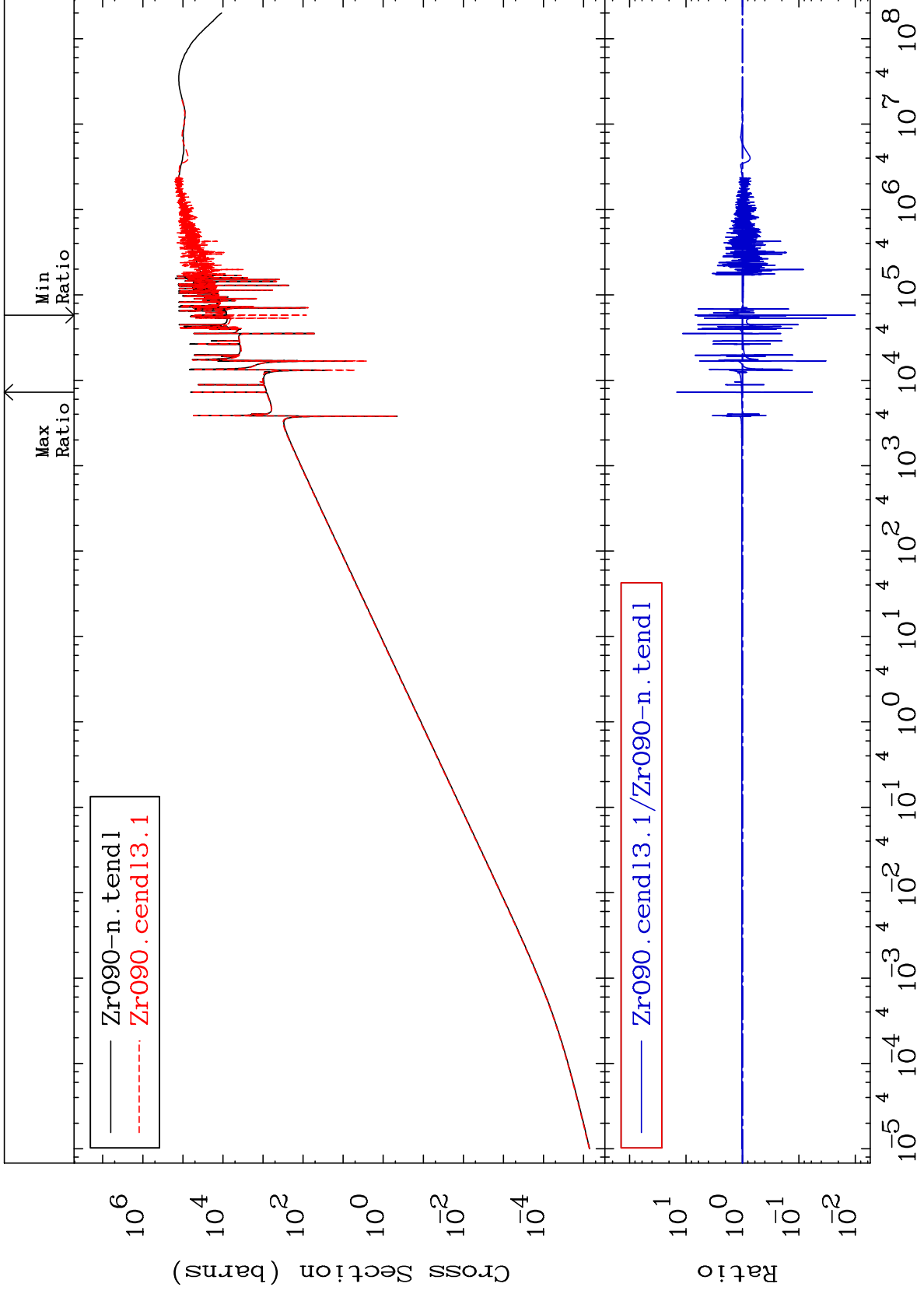


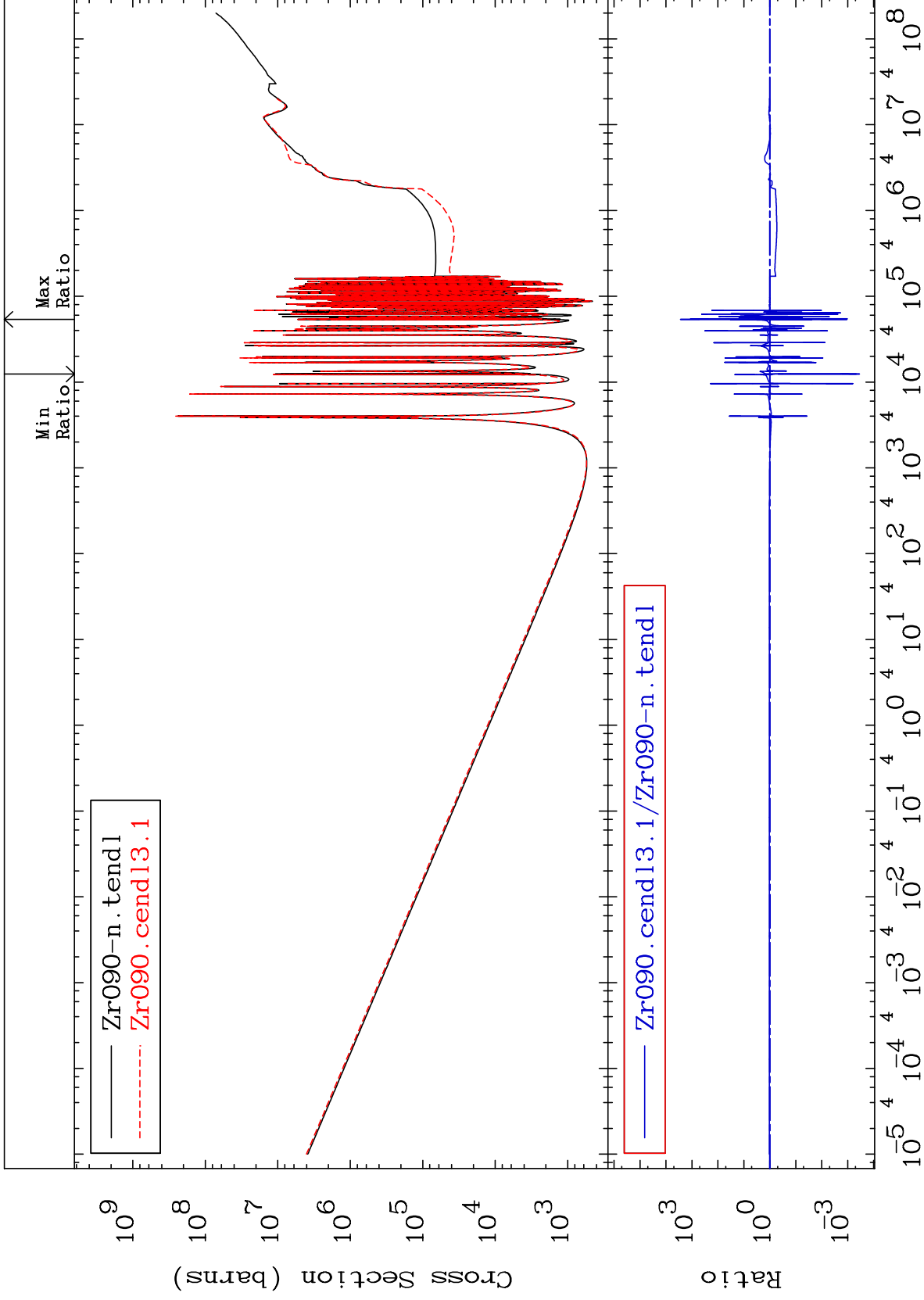


MAT 4025

Kerma elastic
Cross Section

40-Zr-90
-98.99 To 1346. %

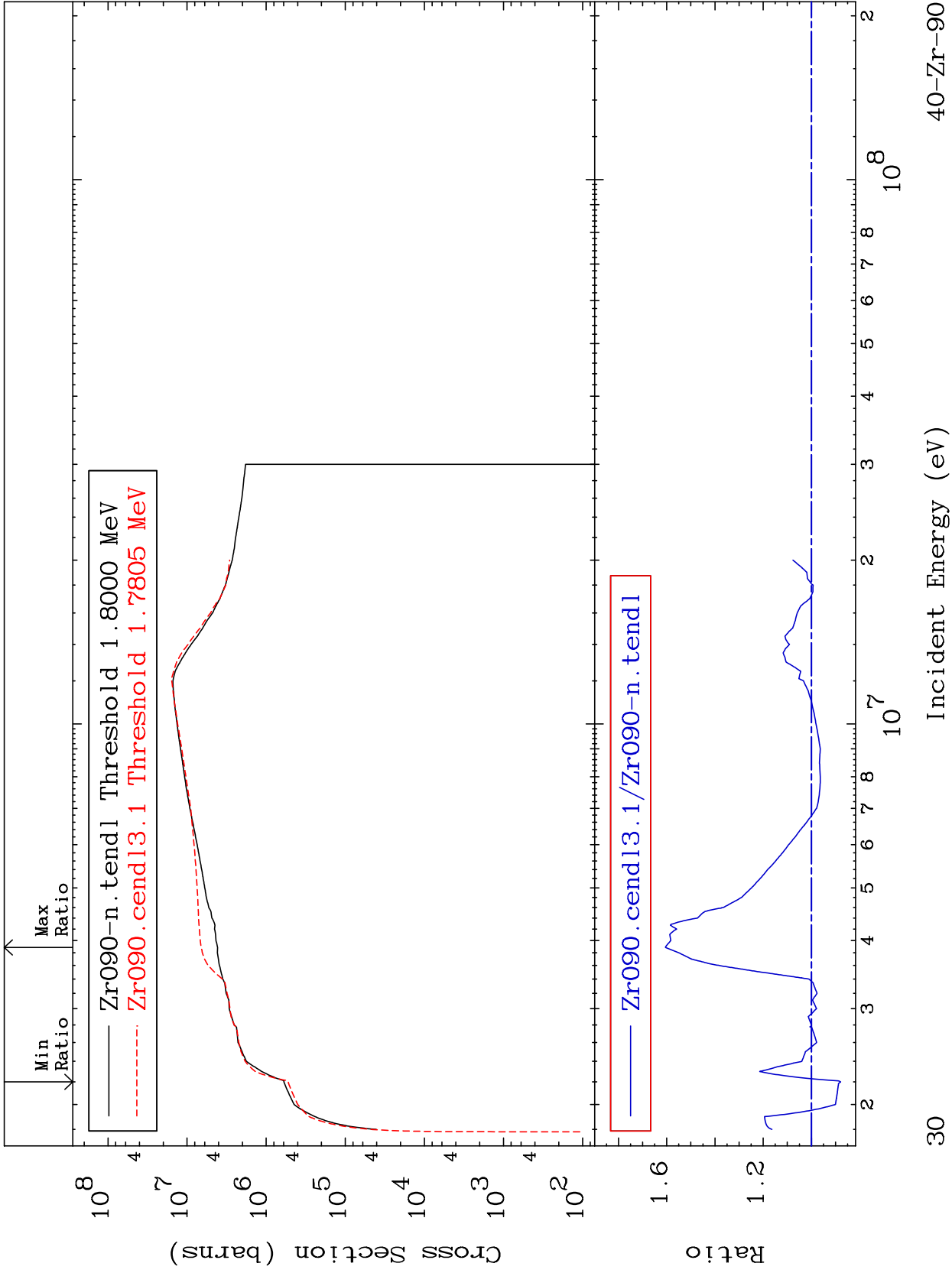




MAT 4025

Kerma inelastic (mt51-91)
Cross Section

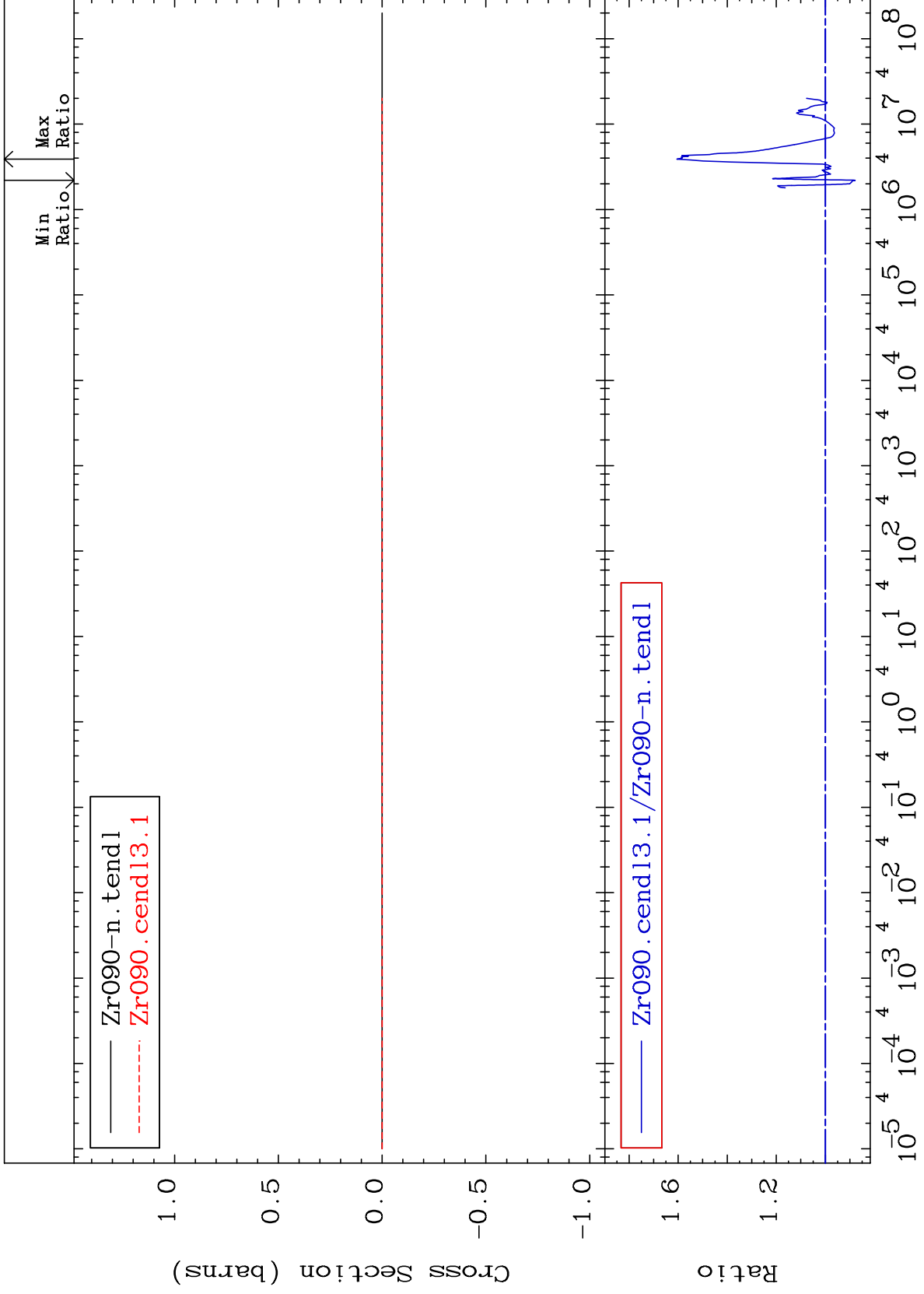
40-Zr-90
-12.13 To 60.51 %

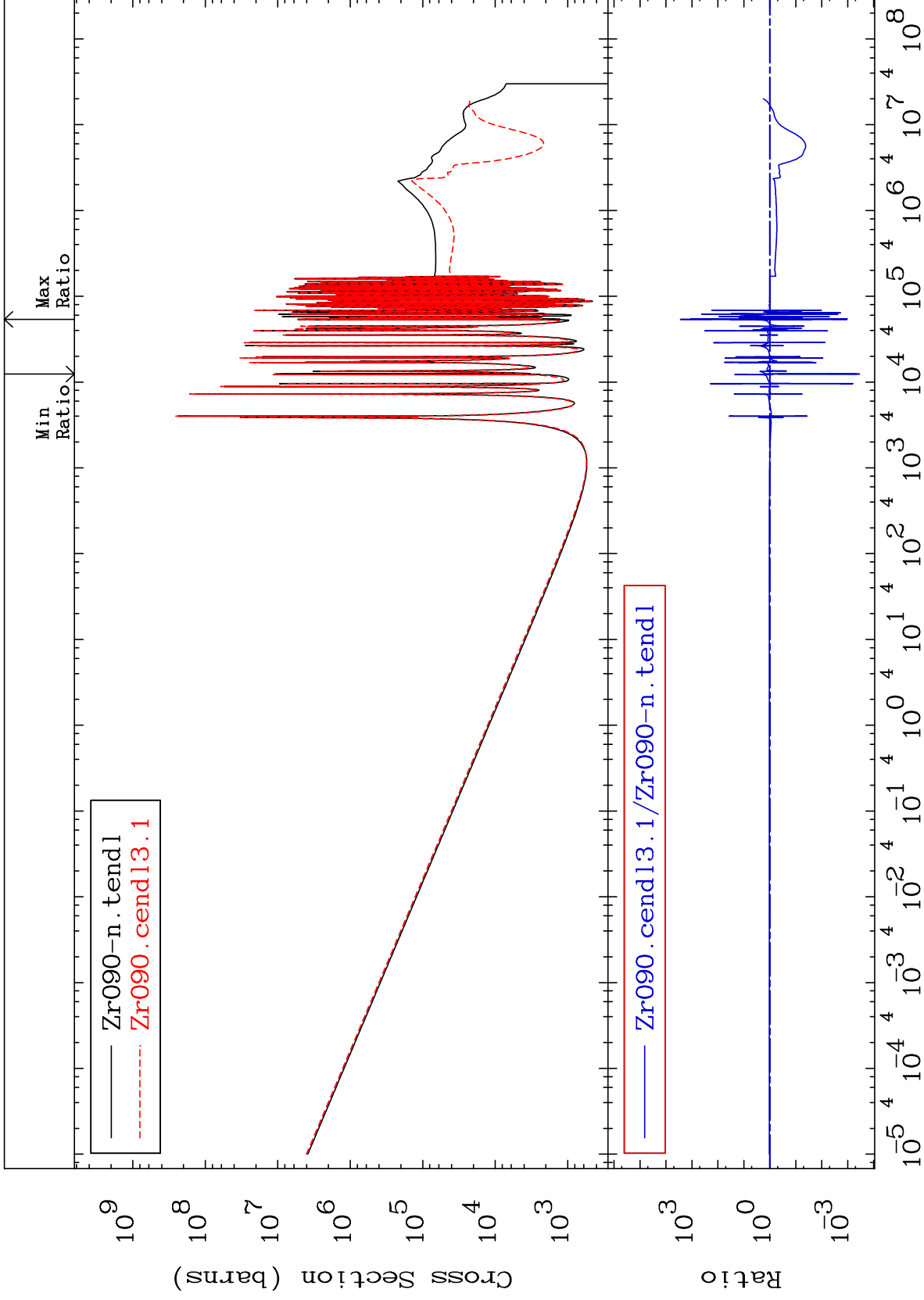


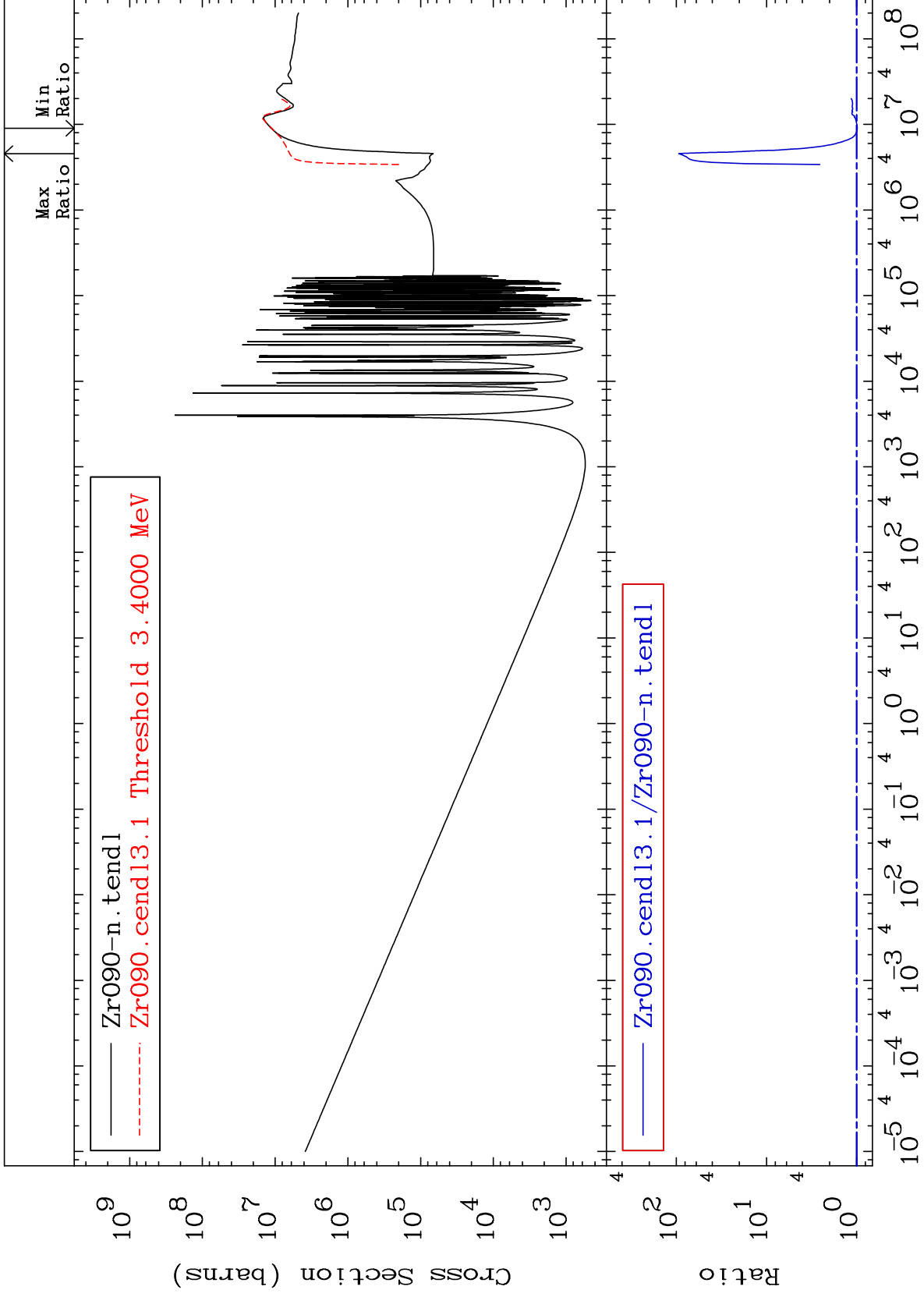
MAT 4025

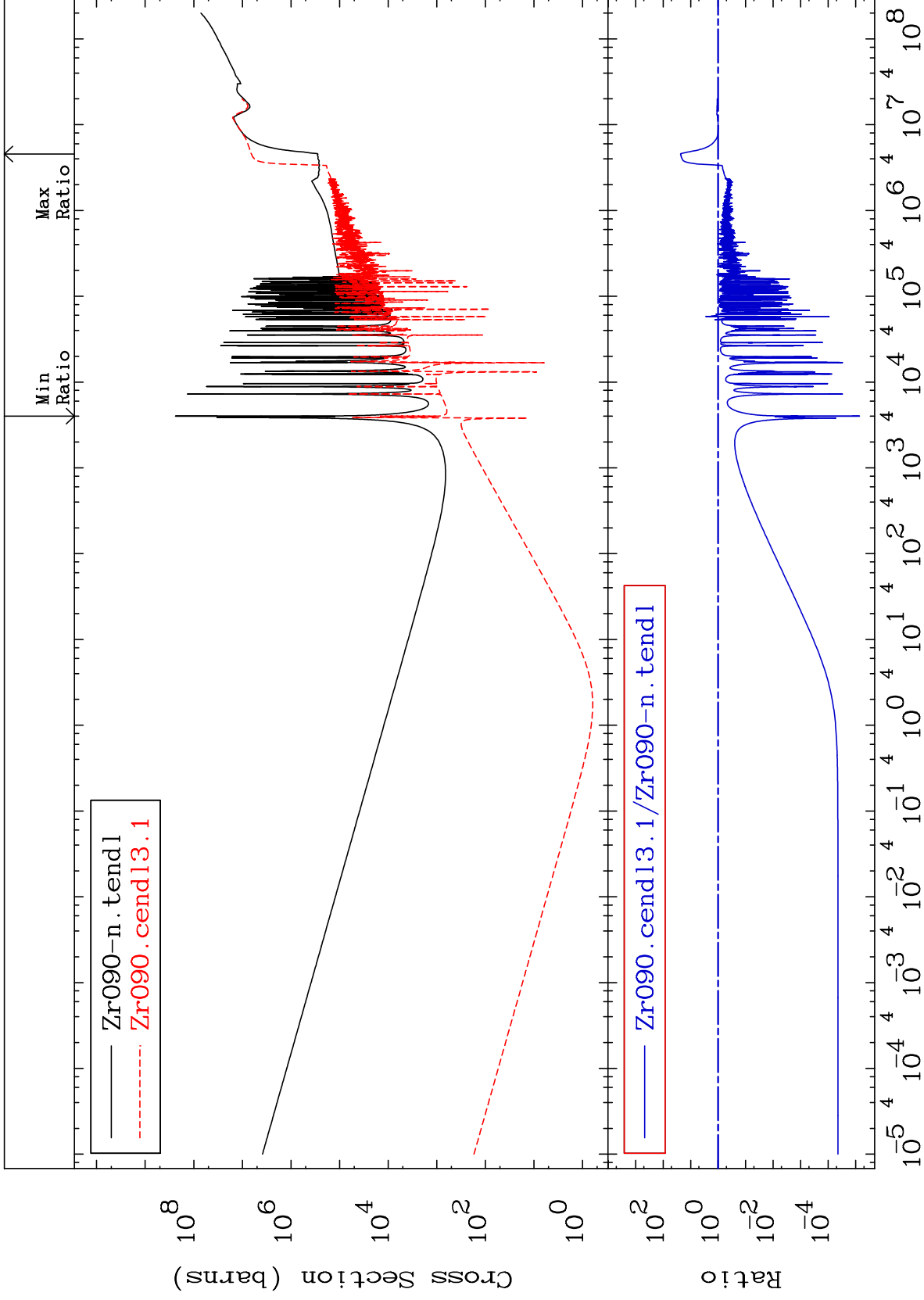
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

40-Zr-90
-12.13 To 60.51 %





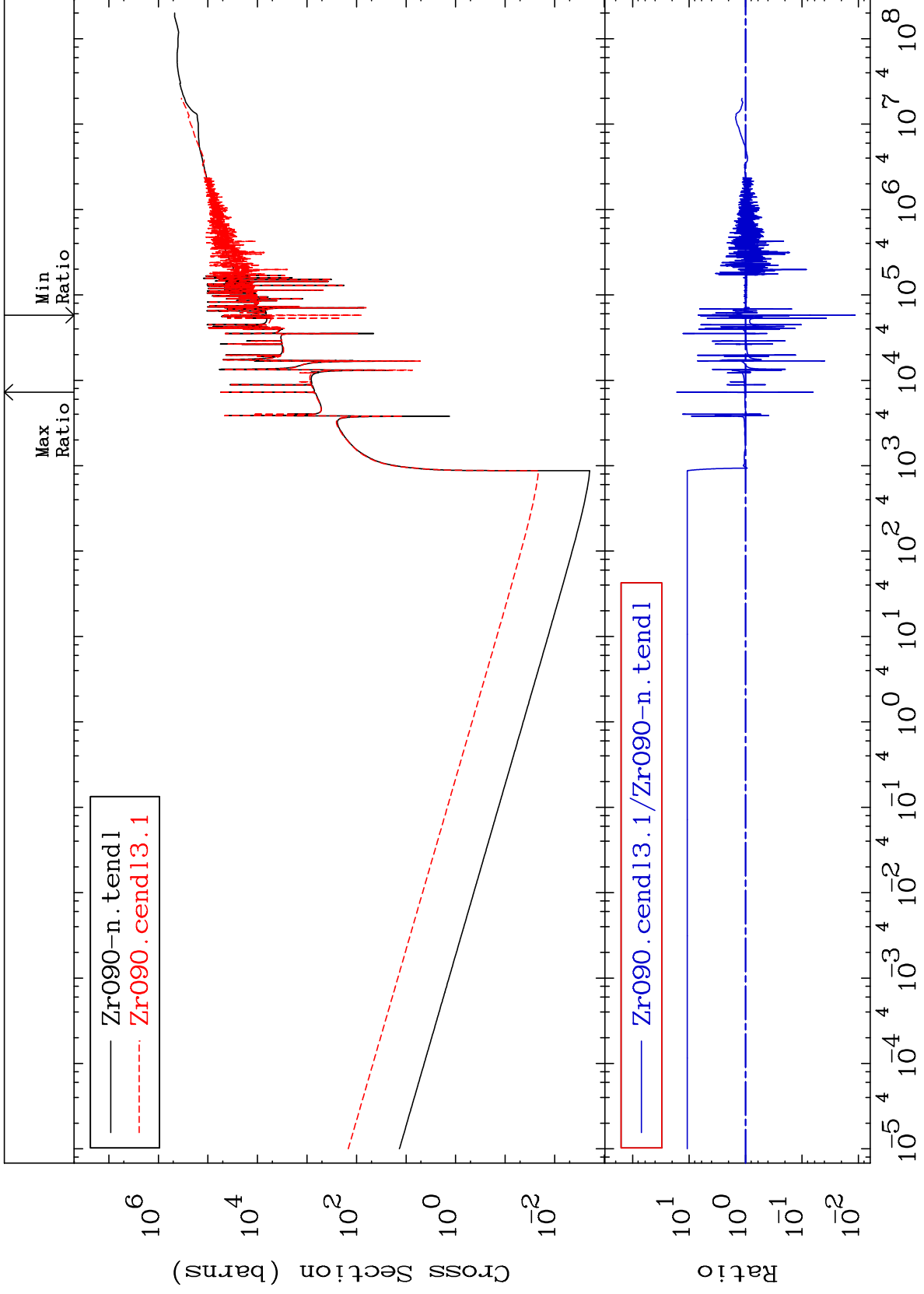




MAT 4025

Dpa total (eV-barns)
Cross Section

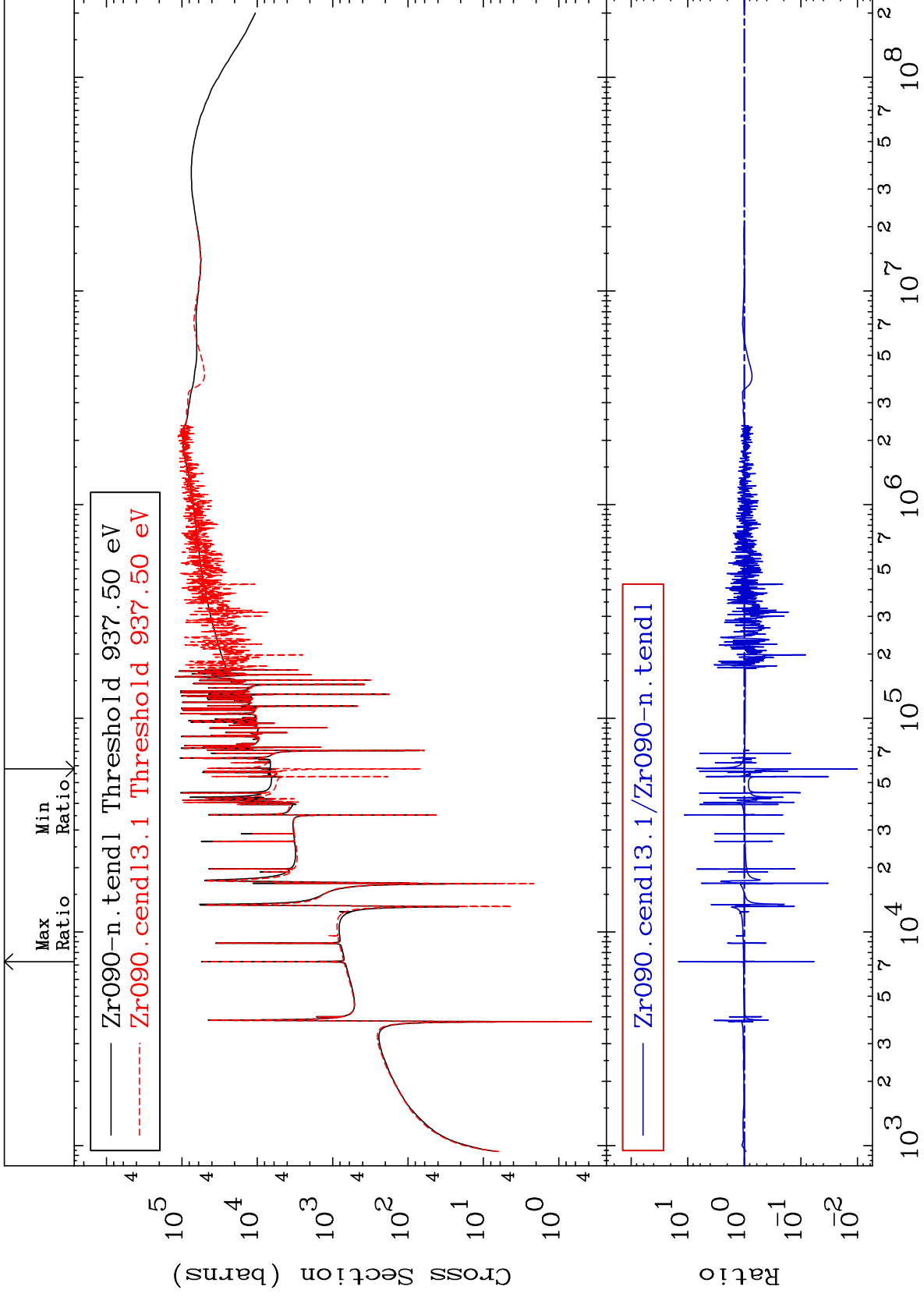
40-Zr-90
-98.85 To 1547. %



MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-98.99 To 1347. %



36

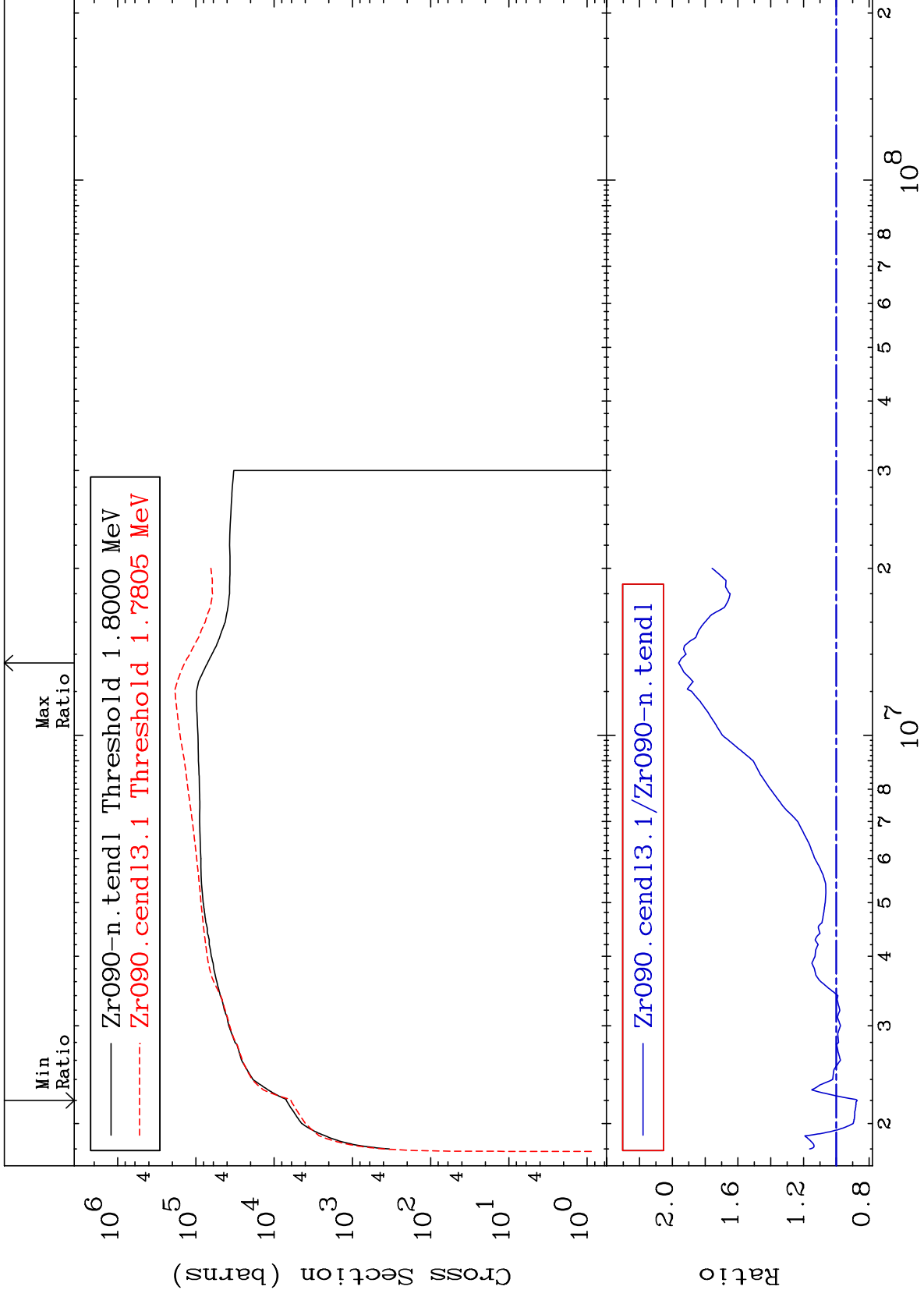
40-Zr-90

40-Zr-90

MAT 4025

Dpa inelastic (mt51-91)
Cross Section

40-Zr-90
-12.78 To 96.18 %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-99.47 To 9999. %

