

Program Complot
(Version 2018-1)

by

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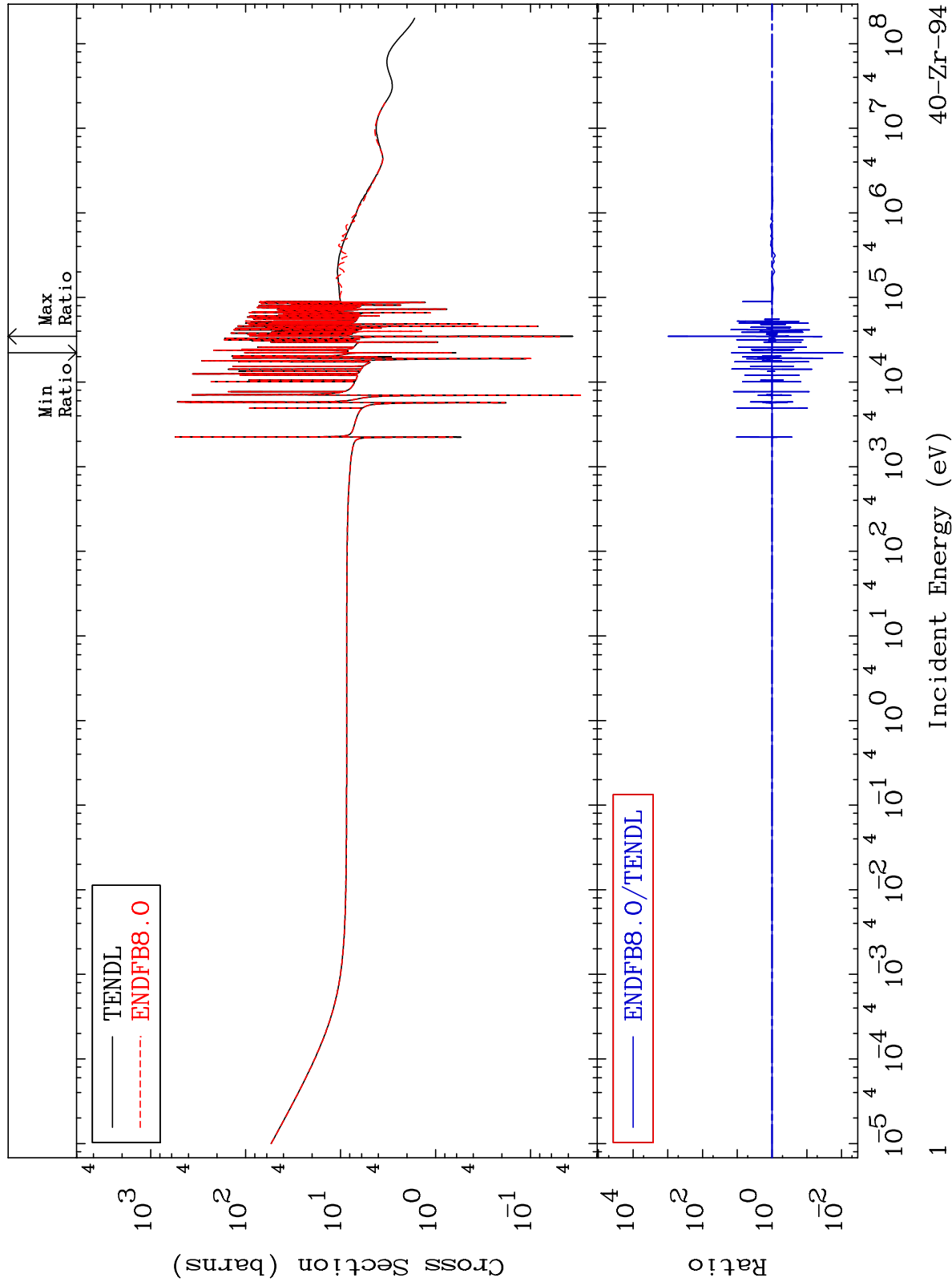
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4037

Total
Cross Section

40-Zr-94
-99.08 To 9999. %

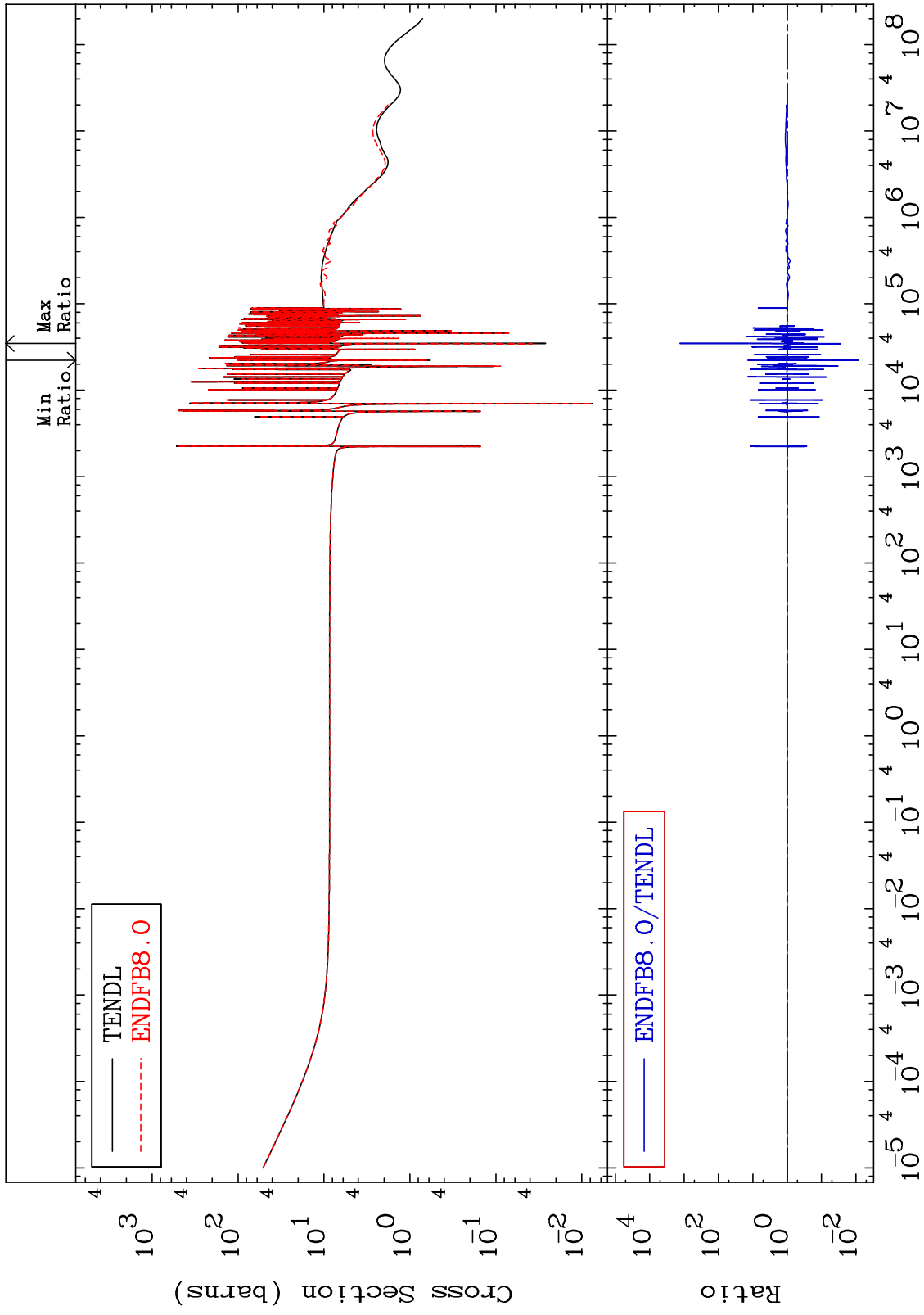


40-Zr-94

MAT 4037

Elastic
Cross Section

40-Zr-94
-99.15 To 9999. %



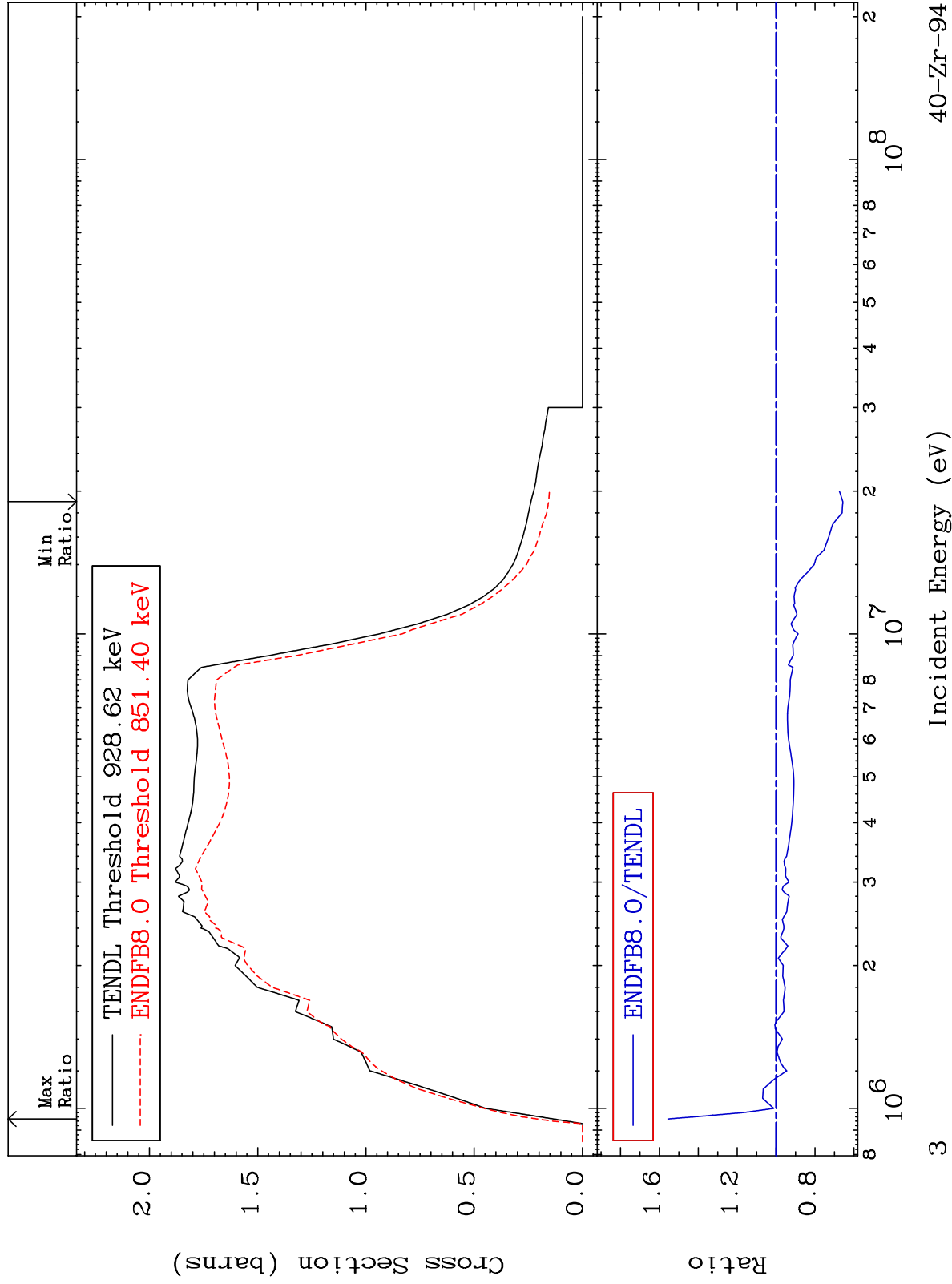
Incident Energy (eV)

40-Zr-94

MAT 4037

Inelastic
Cross Section

40-Zr-94
-34.27 To 55.58 %



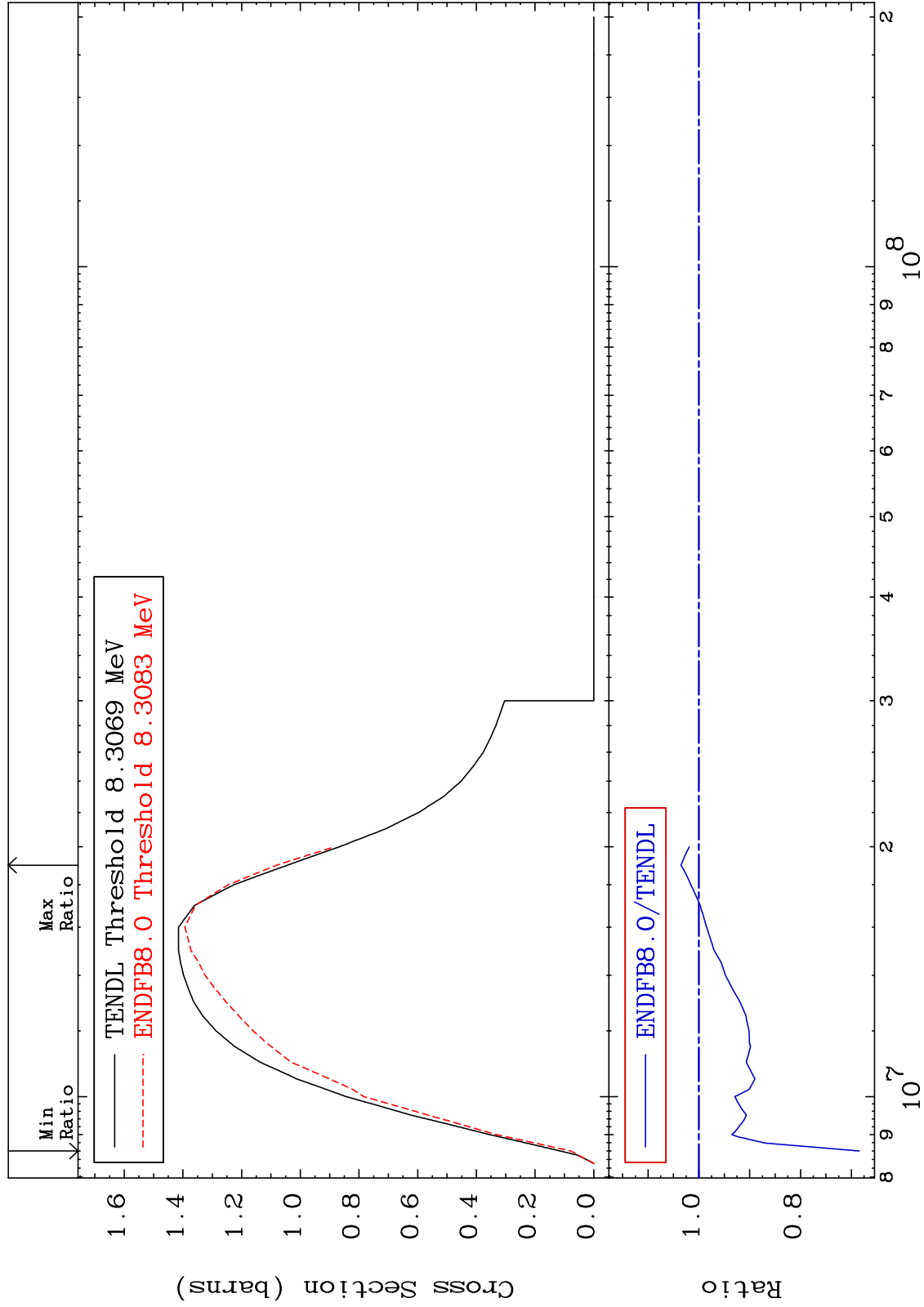
MAT 4037

(n,2n)

40-Zr-94

Cross Section

-31.55 To 3.508 %



4

Incident Energy (eV)

40-Zr-94

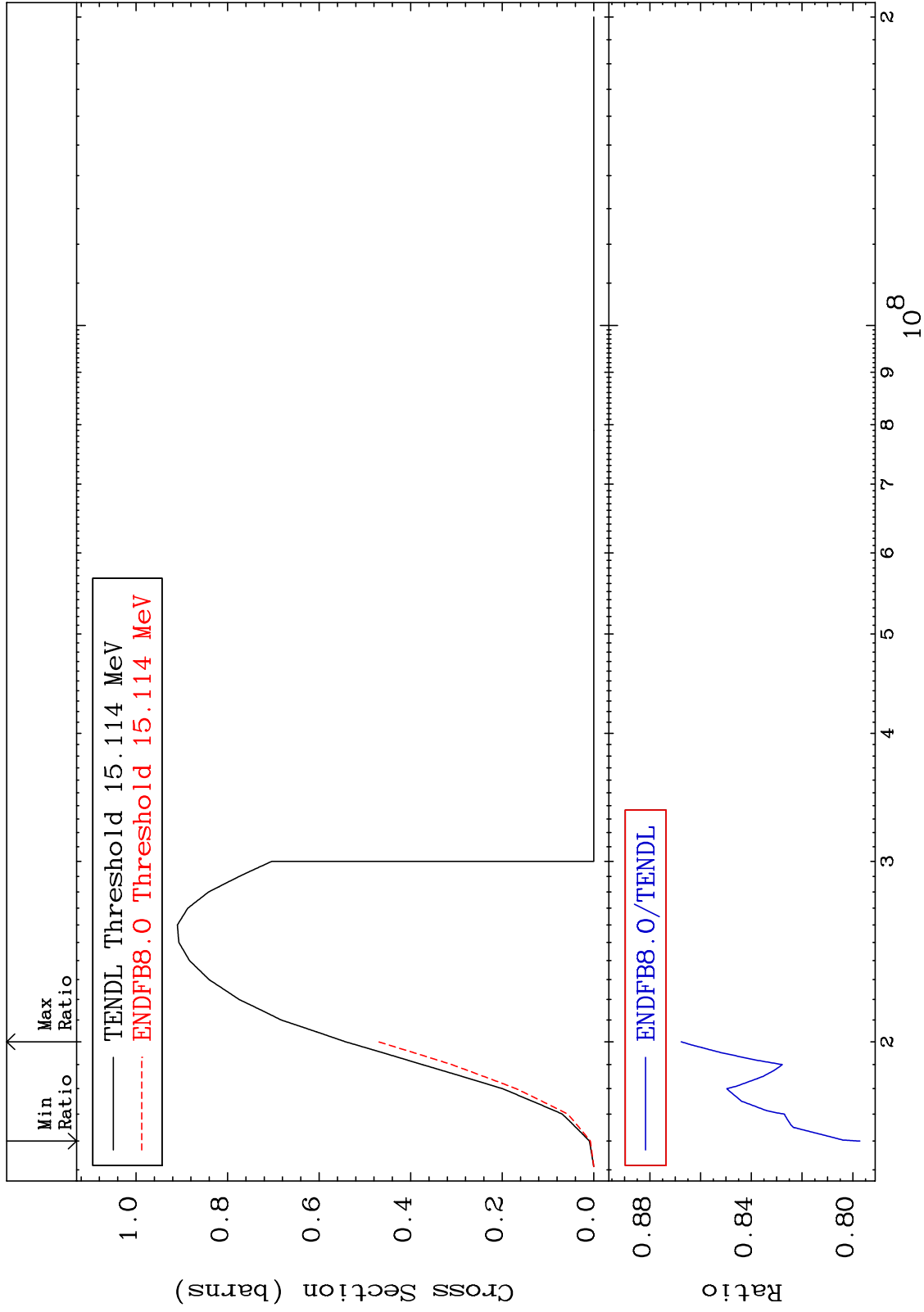
MAT 4037

(n,3n)

40-Zr-94

Cross Section

-20.28 To -13.24%

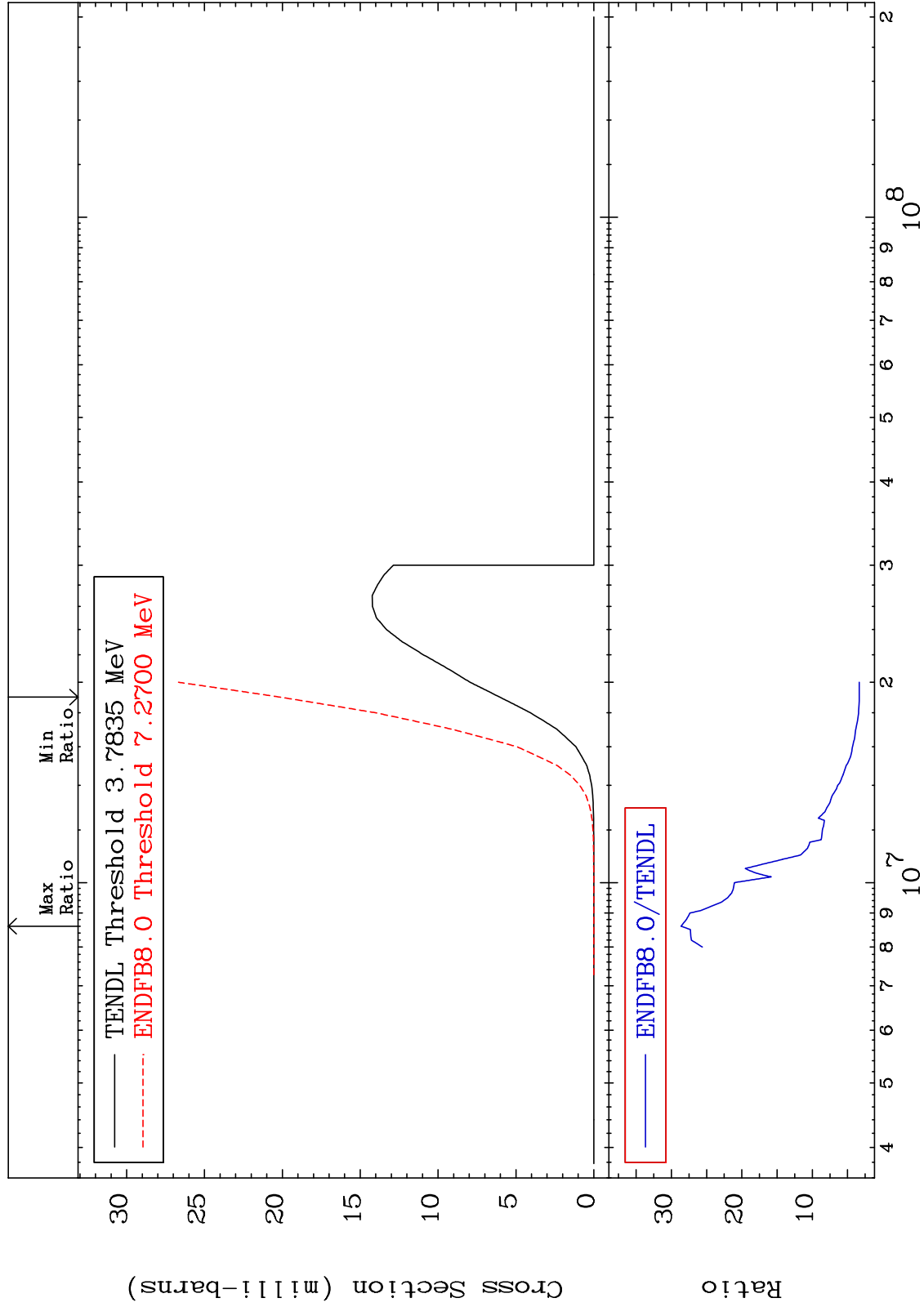


MAT 4037

(n,n') α

40-Zr-94
233.6 To 2762. %

Cross Section



6

Incident Energy (eV)

40-Zr-94

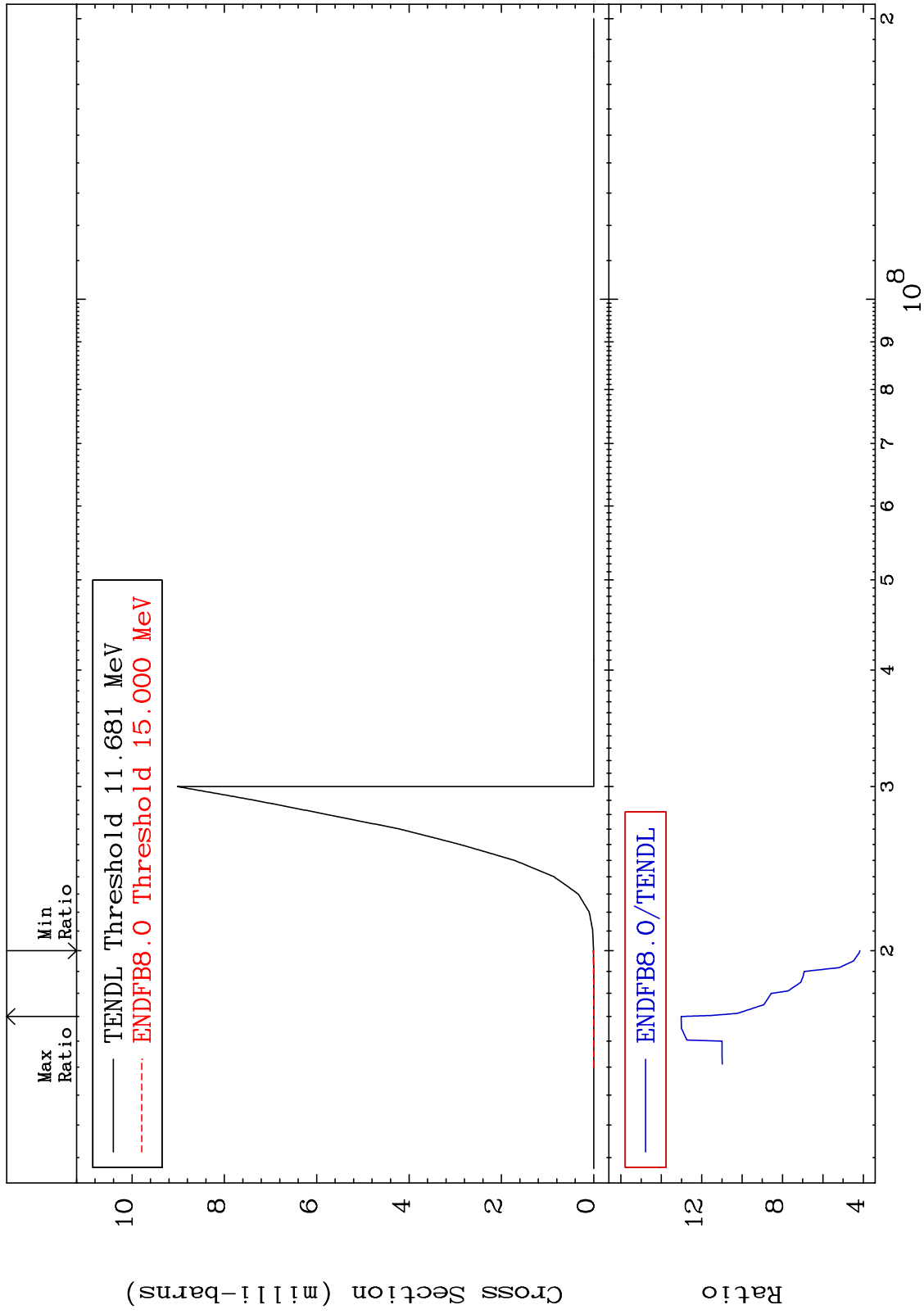
MAT 4037

(n,2n) α

40-Zr-94

Cross Section

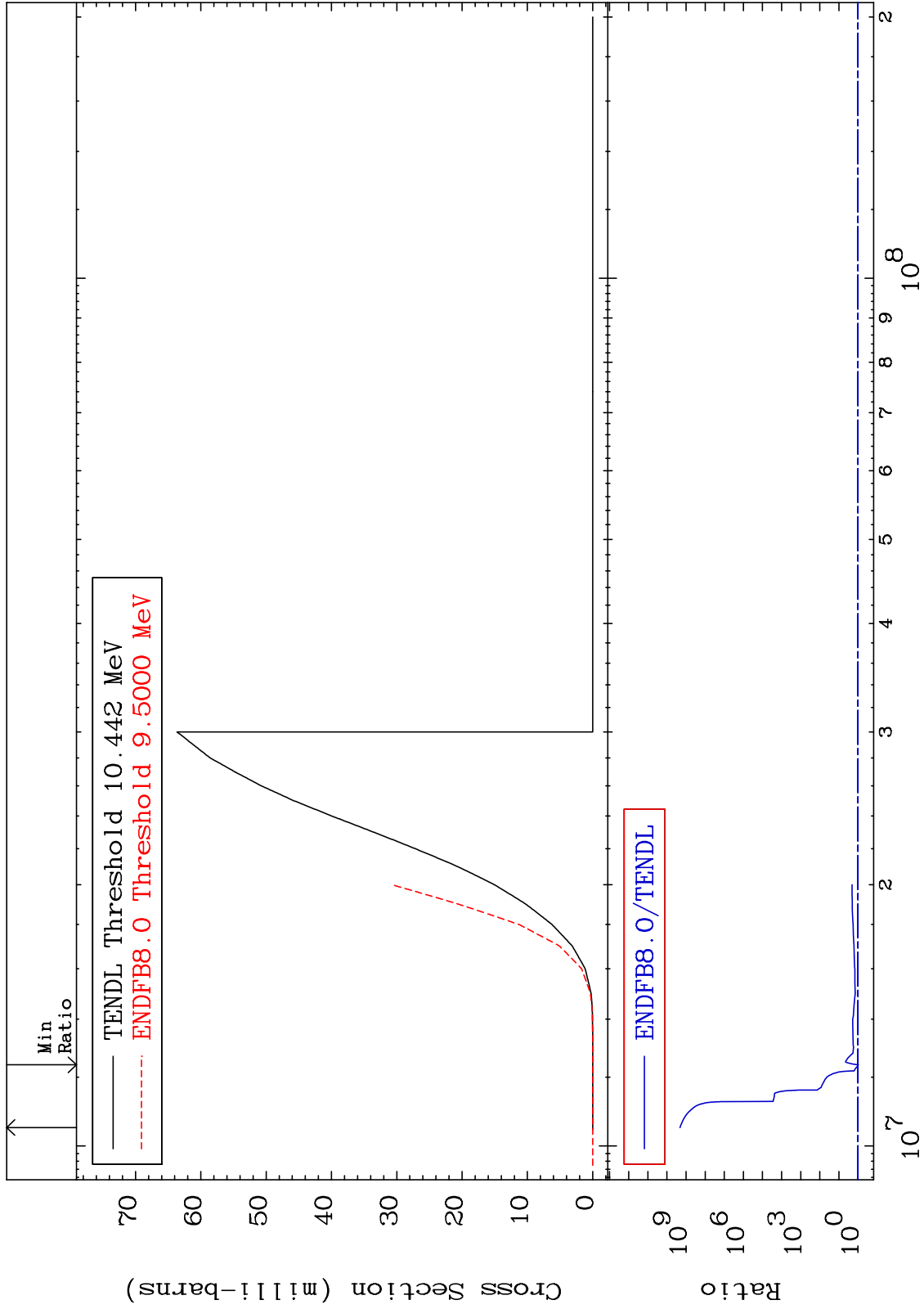
316.9 To 1201. %



MAT 4037

(n,n') p
Cross Section

40-Zr-94
-4.675 To 9999. %



40-Zr-94

Incident Energy (eV)

8

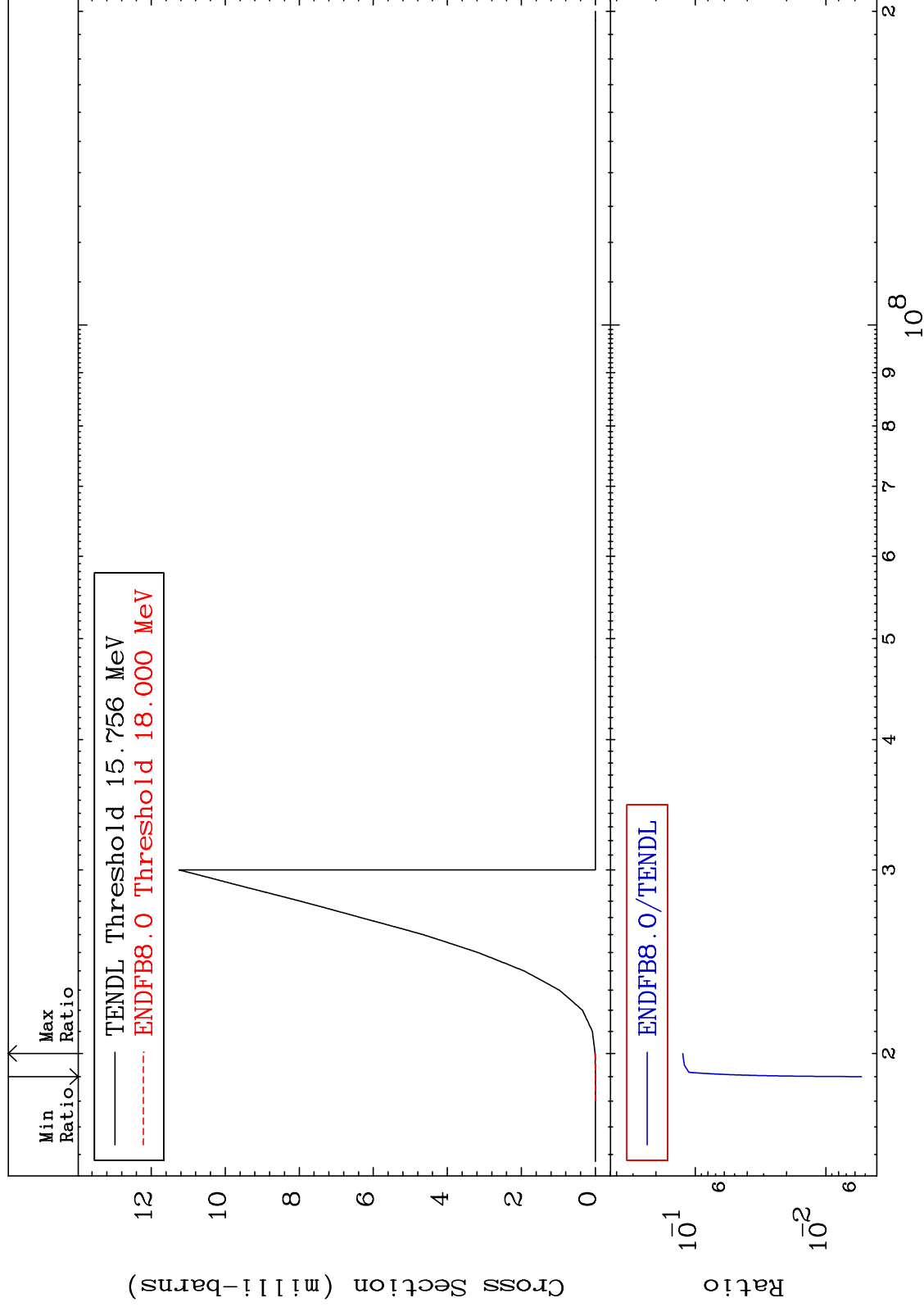
MAT 4037

(n,n') d

40-Zr-94

Cross Section

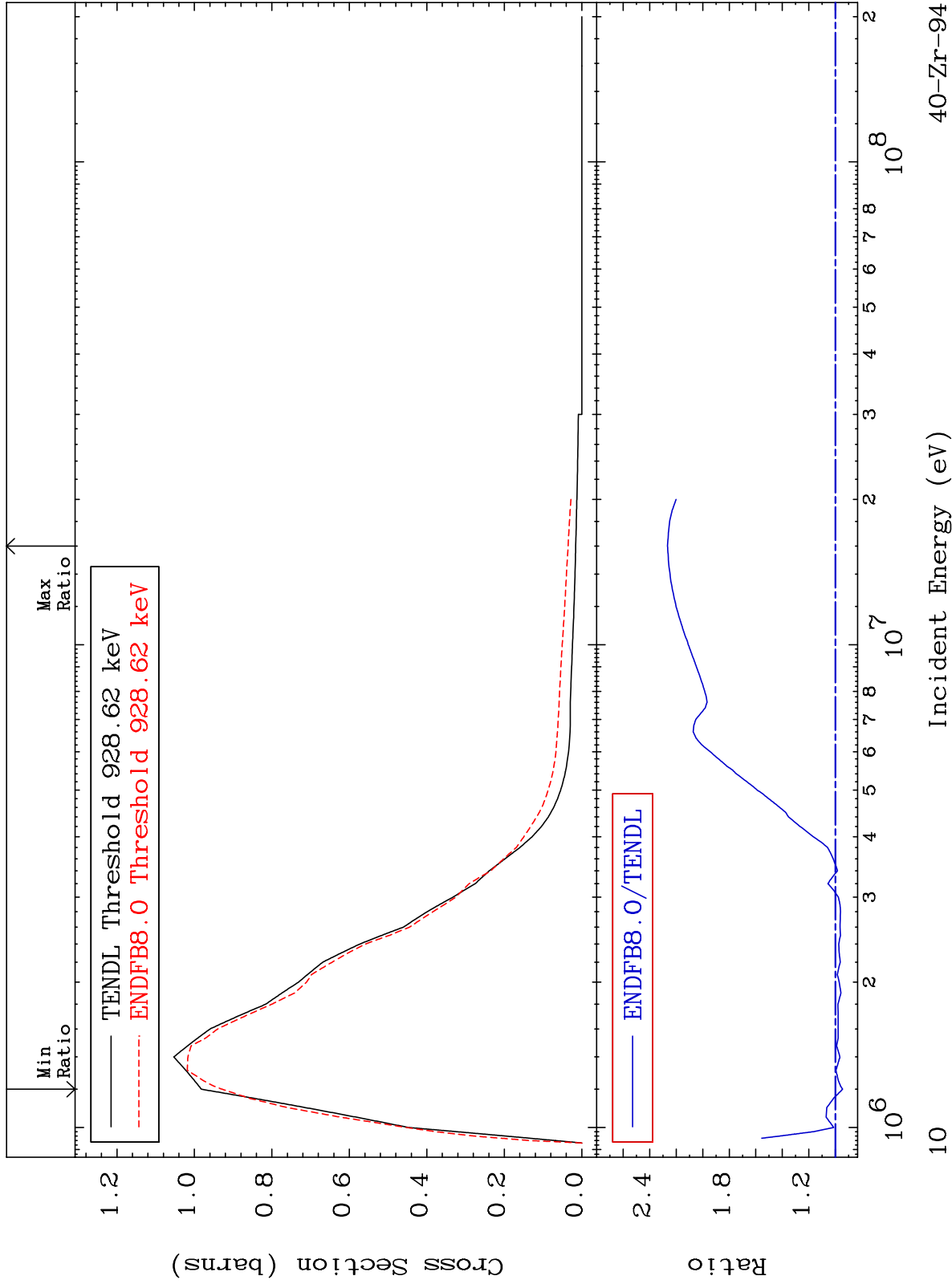
-99.47 To -87.55%



MAT 4037

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

40-Zr-94
-5.467 To 126.5 %

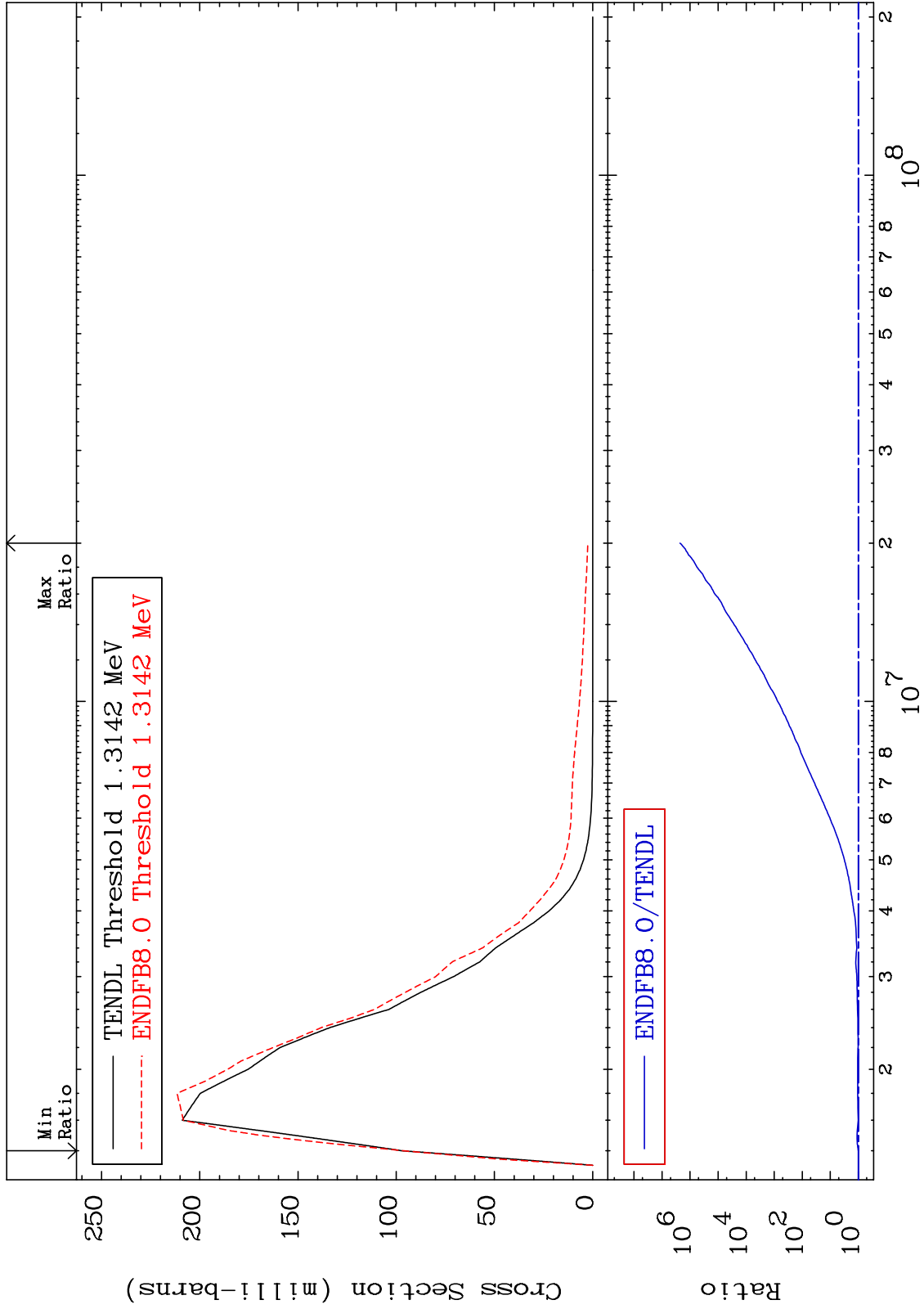


40-Zr-94

MAT 4037

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

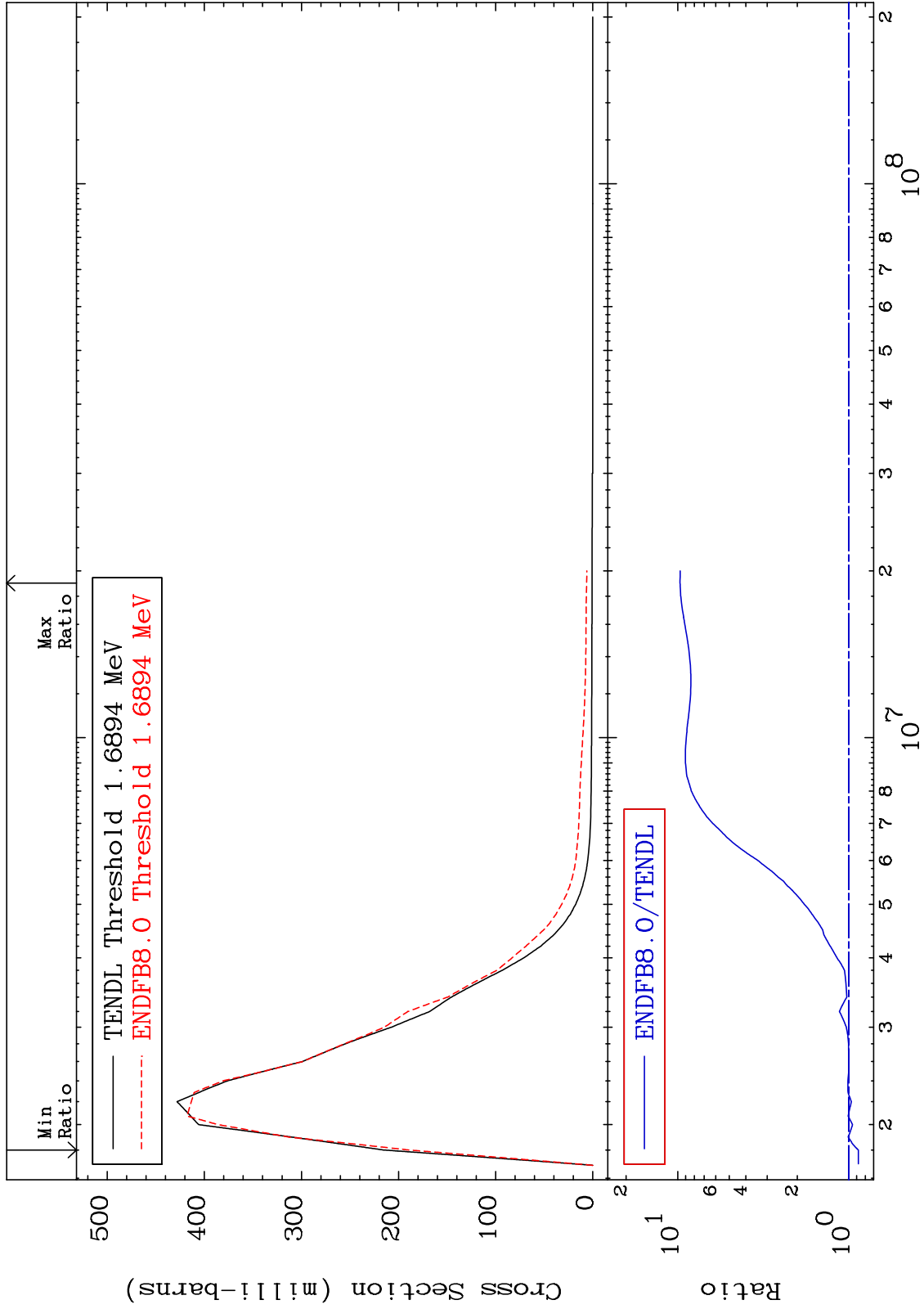
40-Zr-94
-0.847 To 9999. %



MAT 4037

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

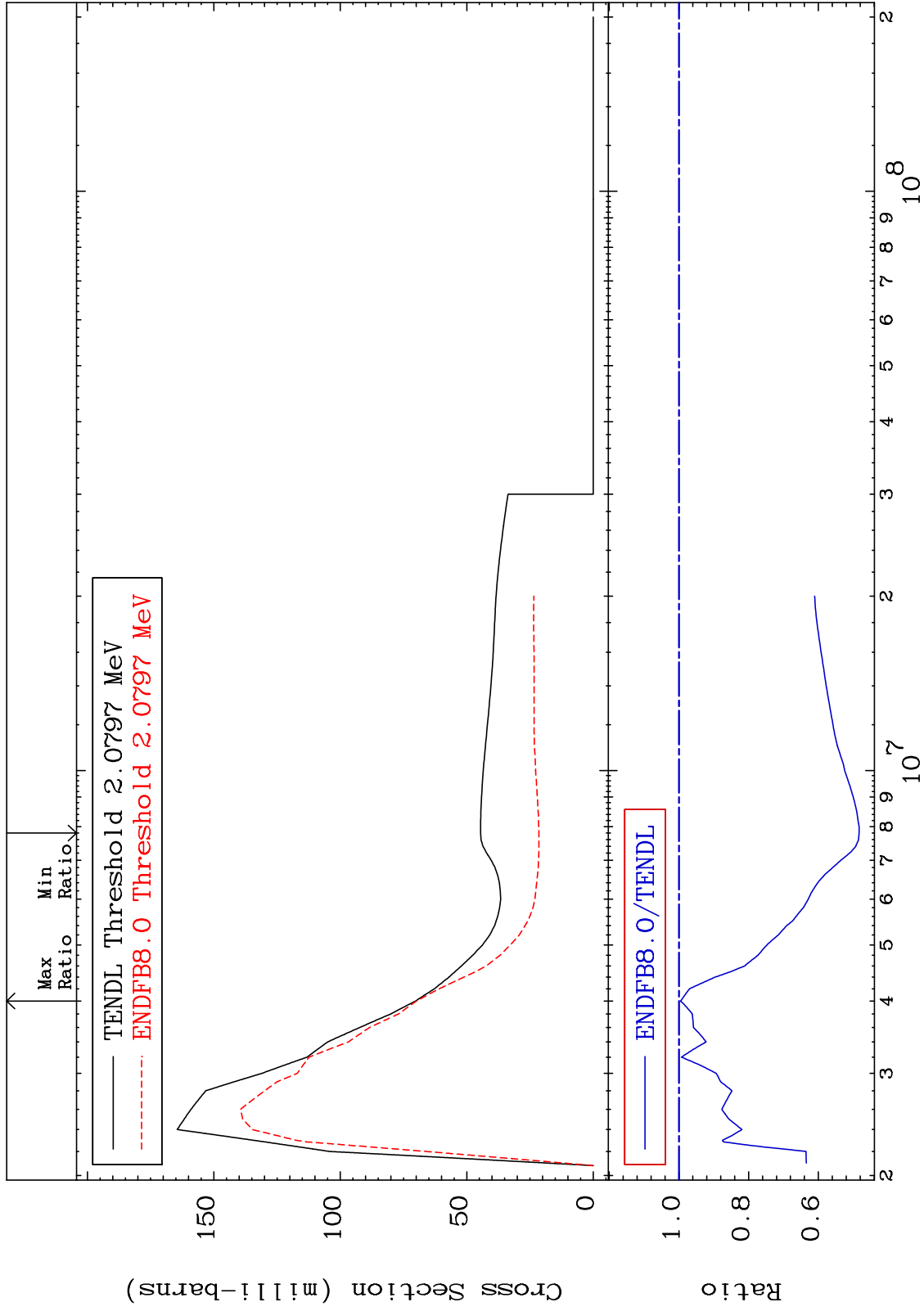
40-Zr-94
-12.13 To 869.2 %



MAT 4037

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

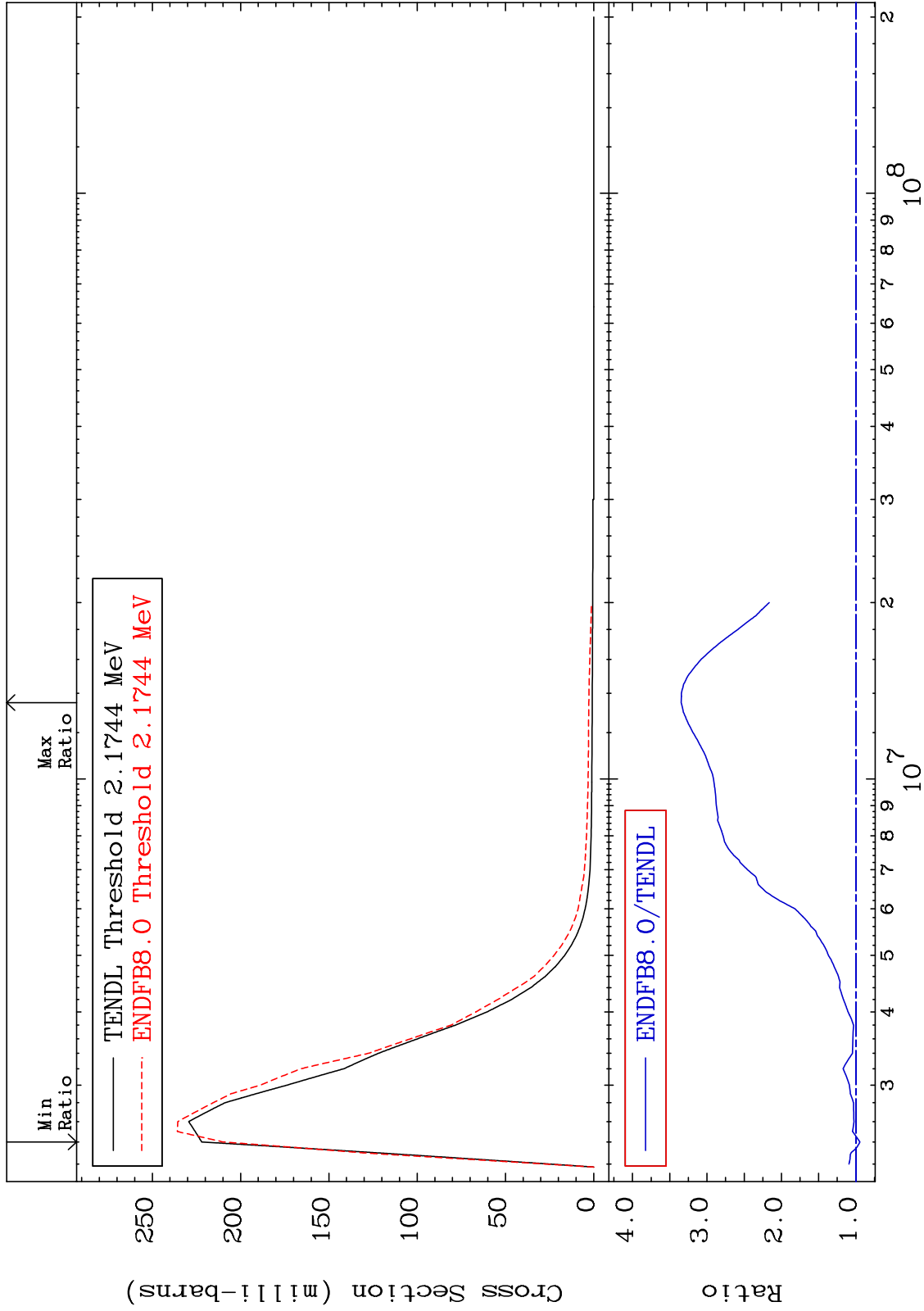
40-Zr-94
-51.71 To -0.486%



MAT 4037

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

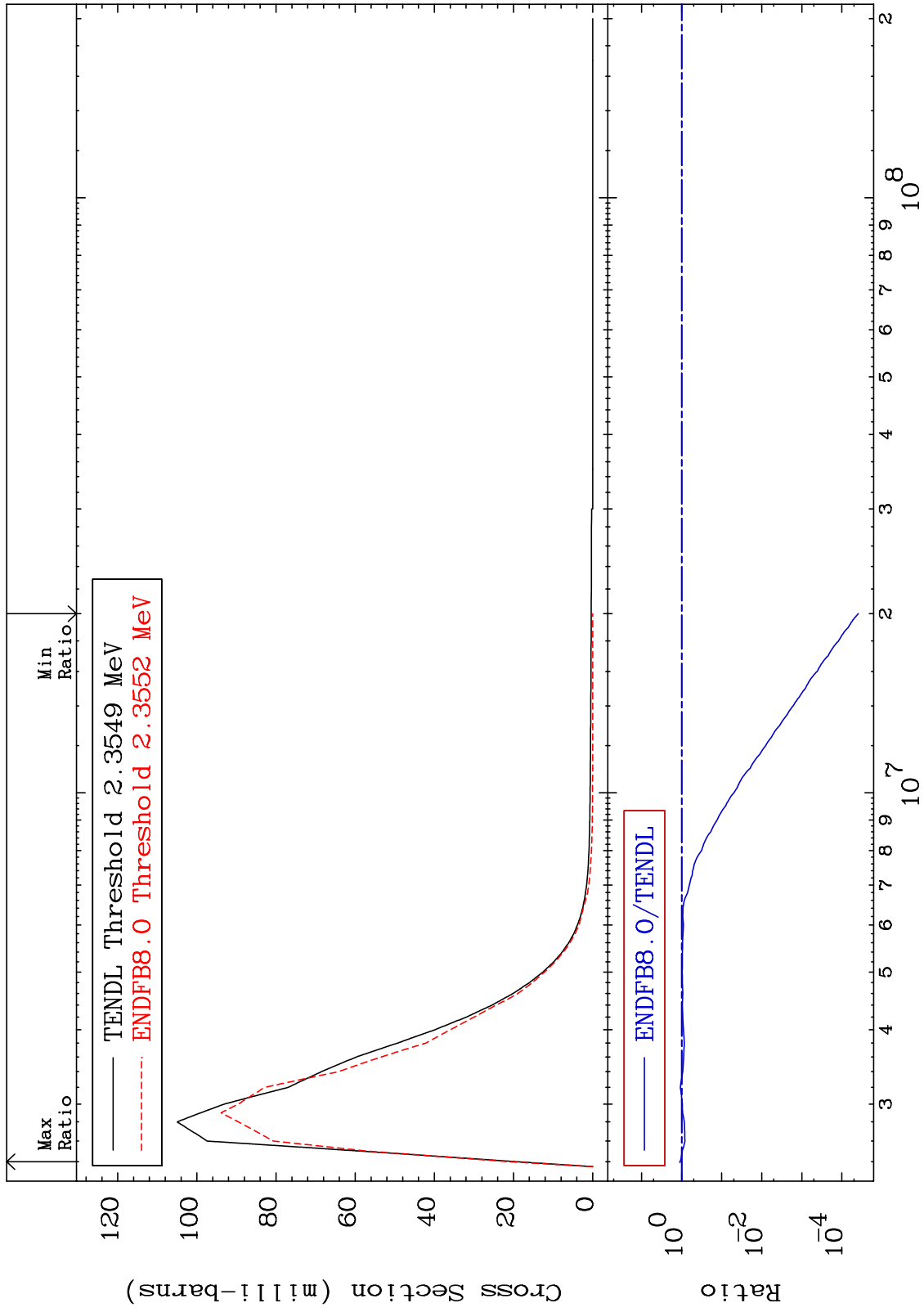
40-Zr-94
-5.443 To 234.6 %



MAT 4037

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

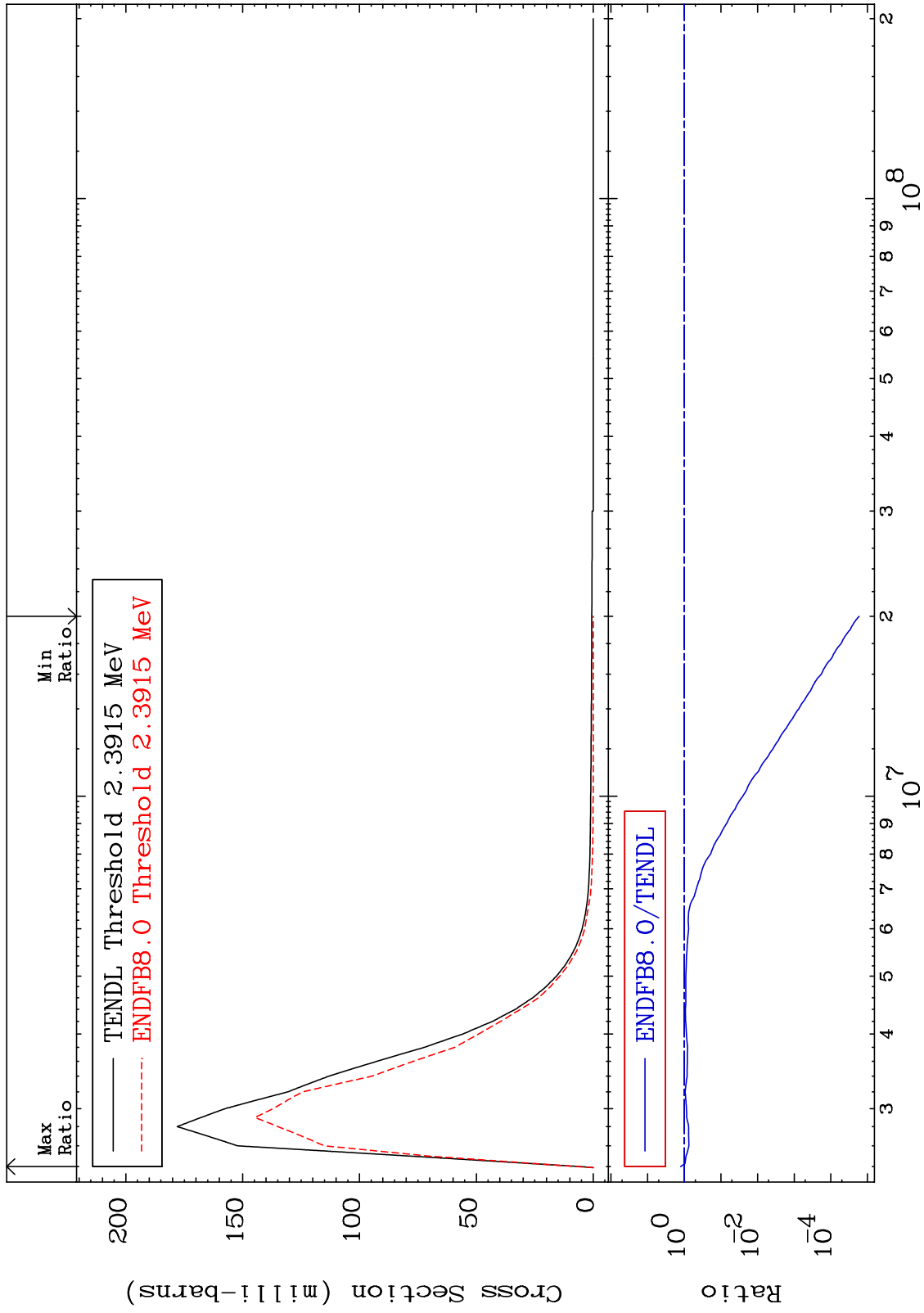
40-Zr-94
-100.0 To 9.691 %



MAT 4037

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

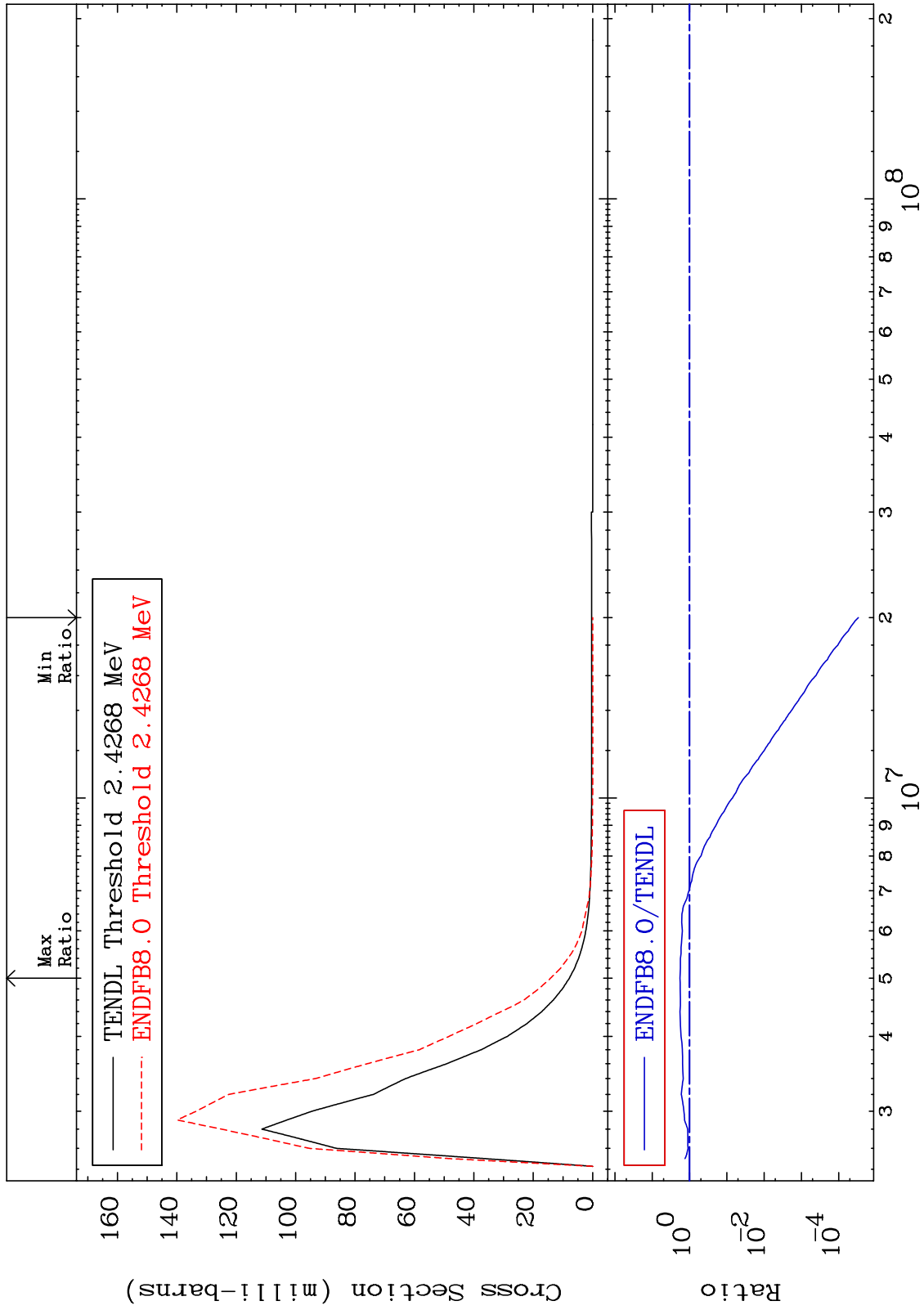
40-Zr-94
-100.0 To 25.98 %



MAT 4037

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

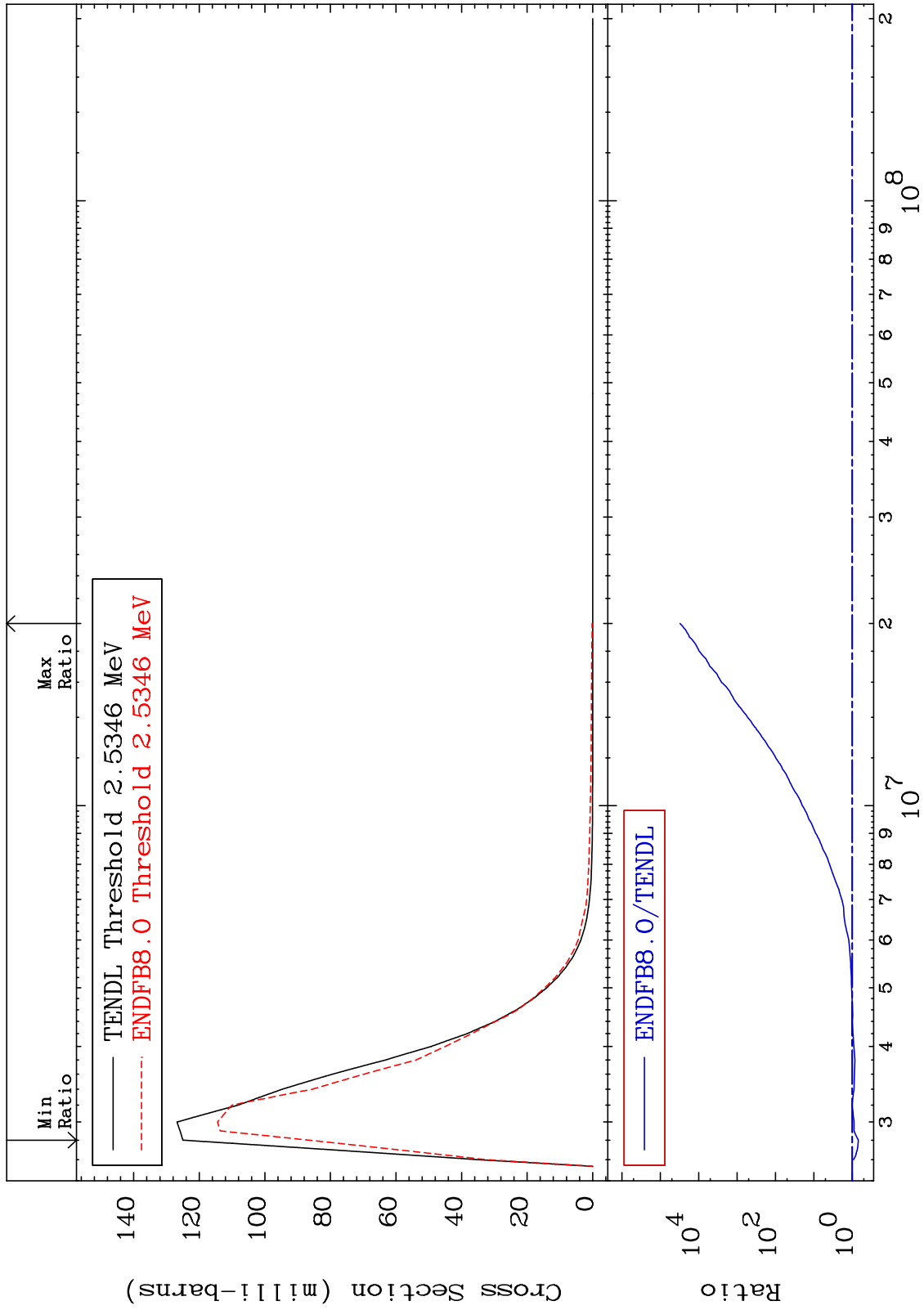
40-Zr-94
-100.0 To 80.25 %



MAT 4037

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

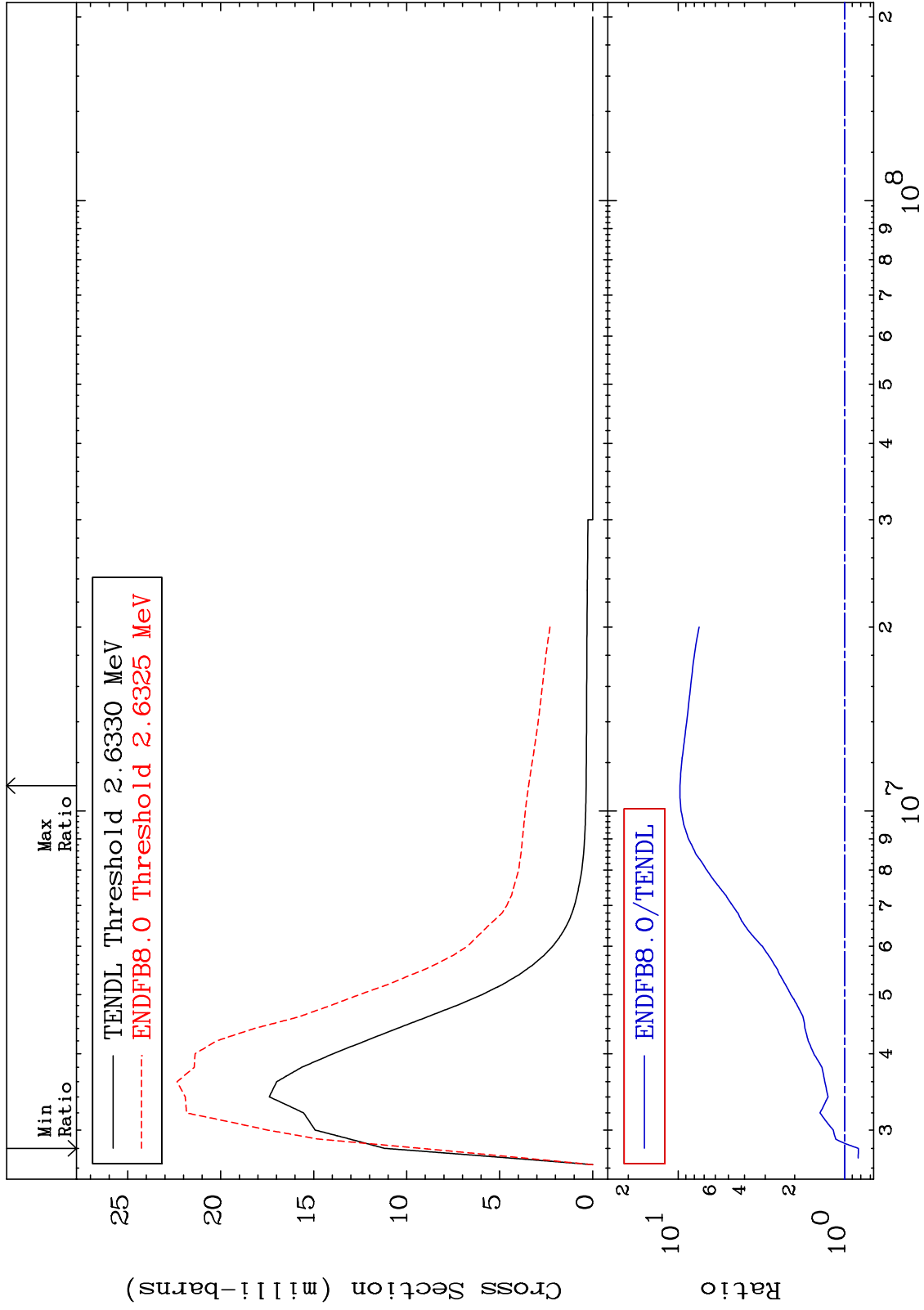
40-Zr-94
-30.72 To 9999. %



MAT 4037

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

40-Zr-94
-17.36 To 876.6 %



20

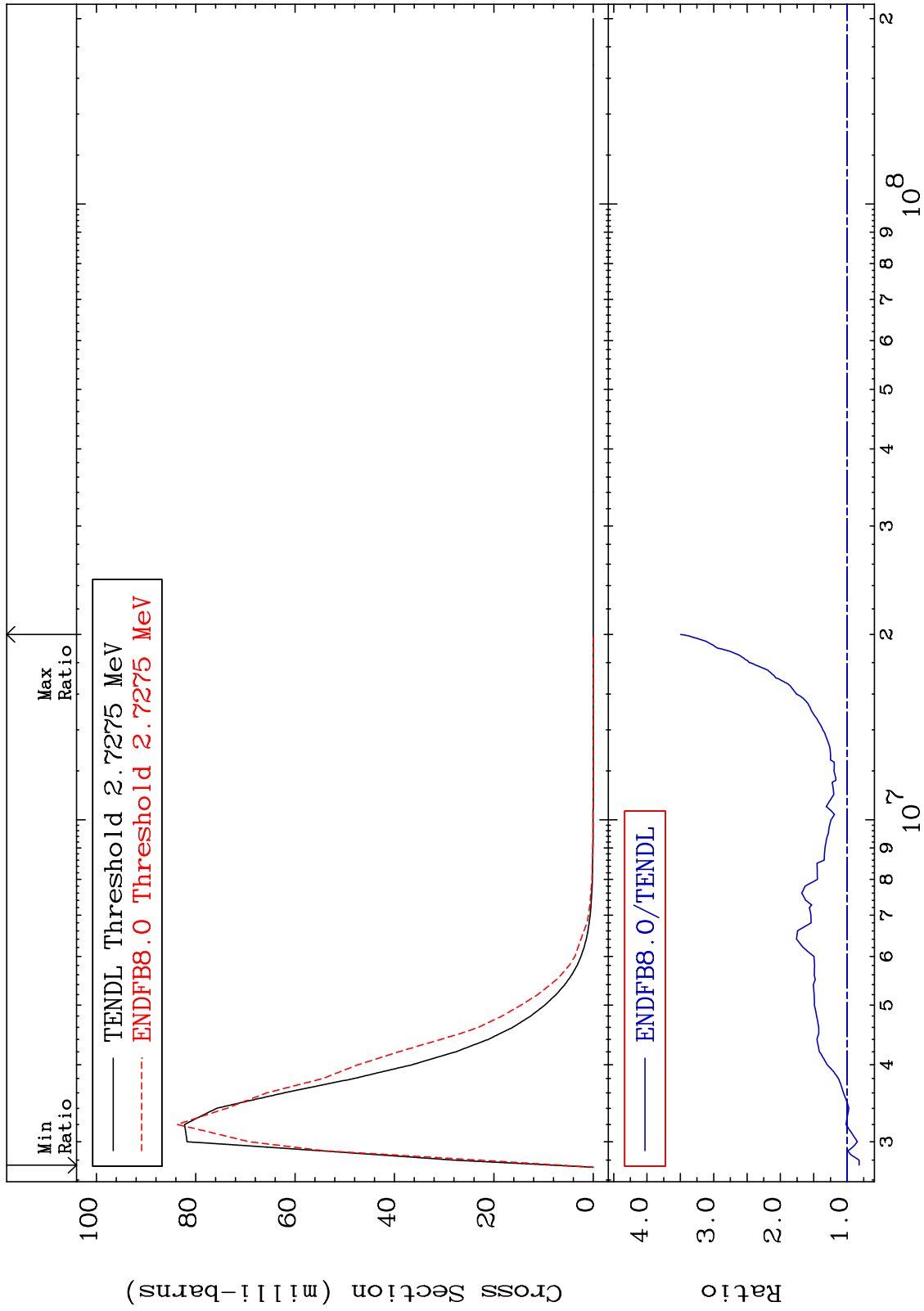
40-Zr-94

40-Zr-94

MAT 4037

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

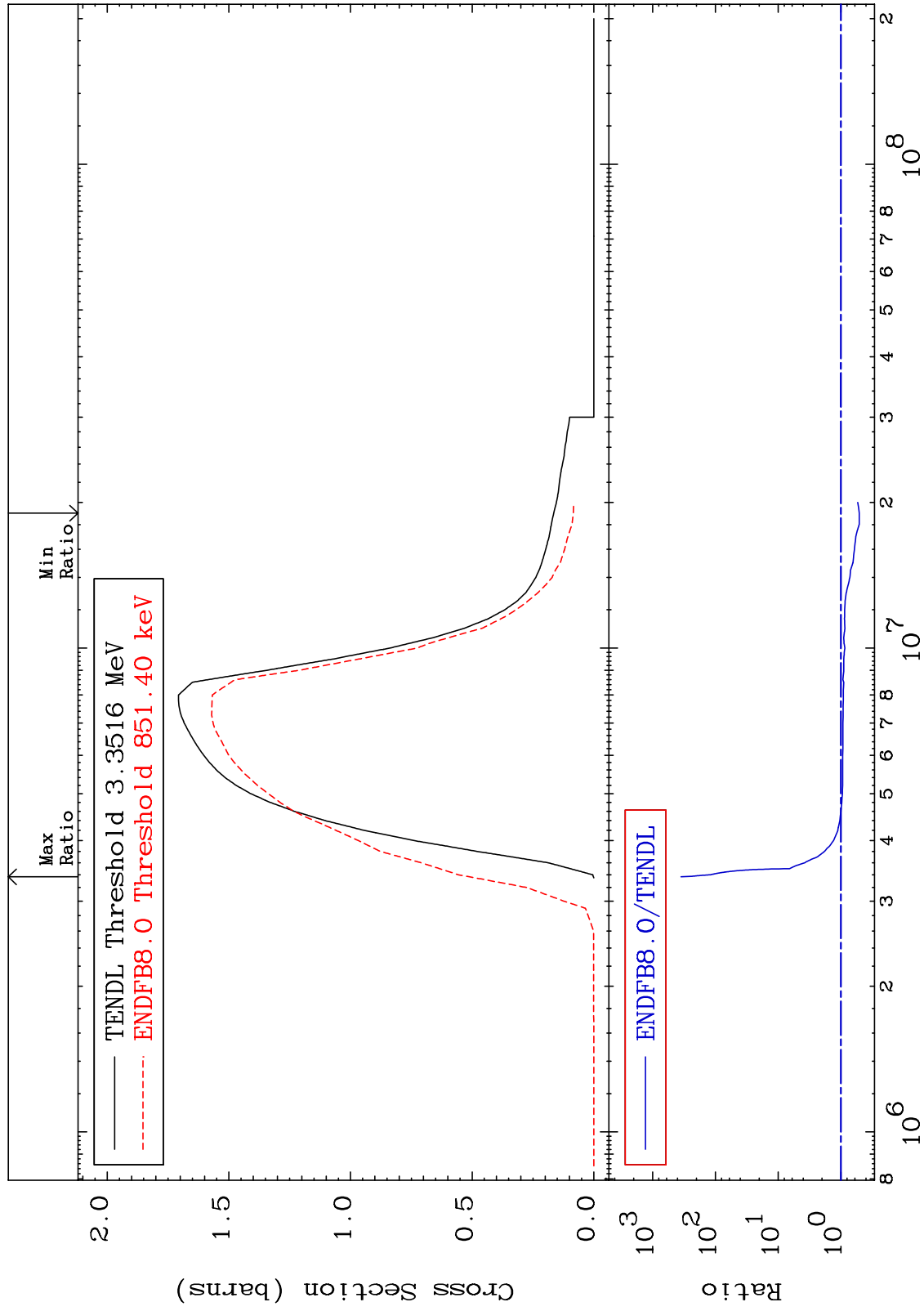
40-Zr-94
-18.05 To 249.6 %



MAT 4037

(n, n') Continuum
Cross Section

40-Zr-94
-48.98 To 9999. %

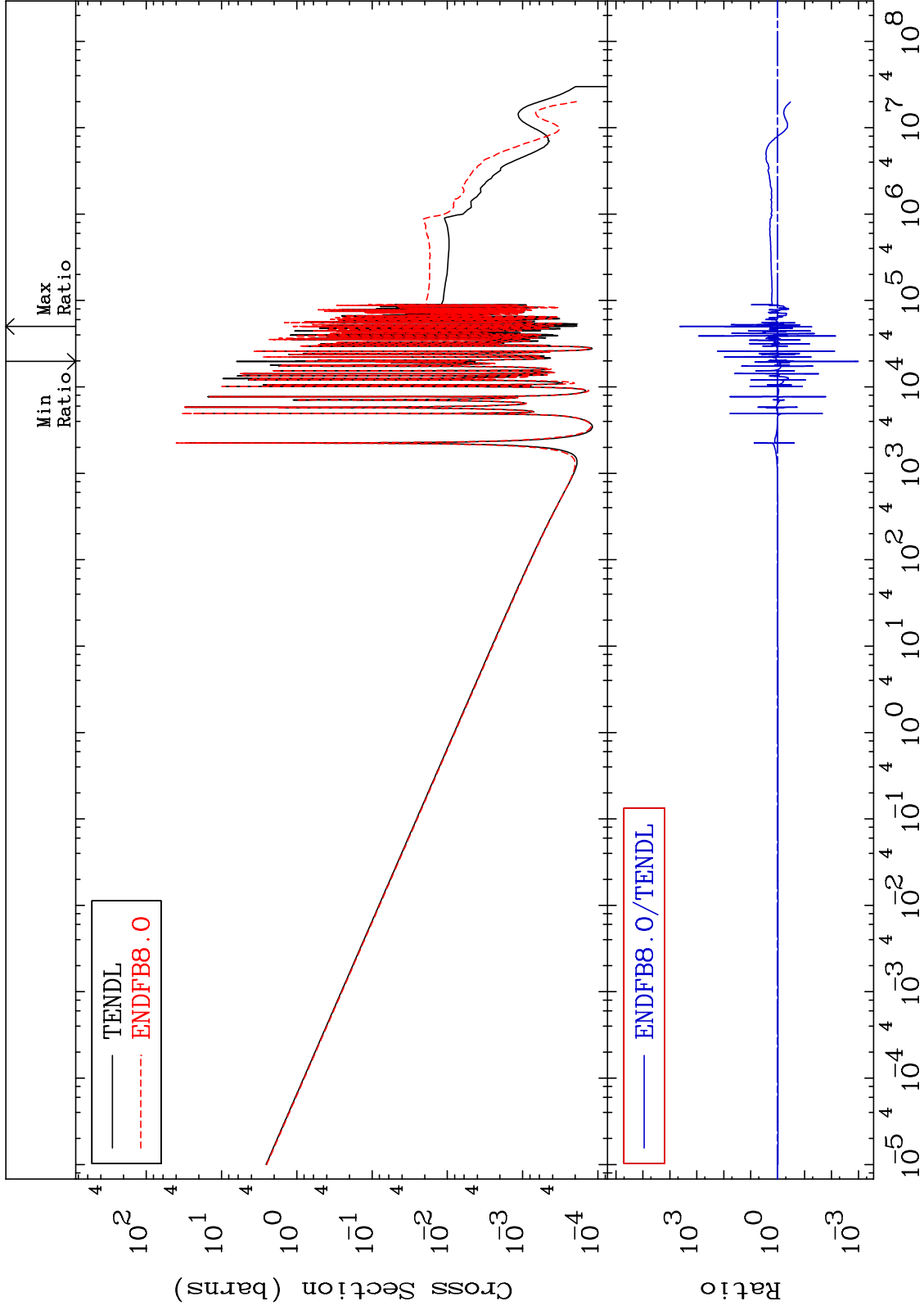


MAT 4037

(n, γ)

40-Zr-94
-99.90 To 9999. %

Cross Section



40-Zr-94

23

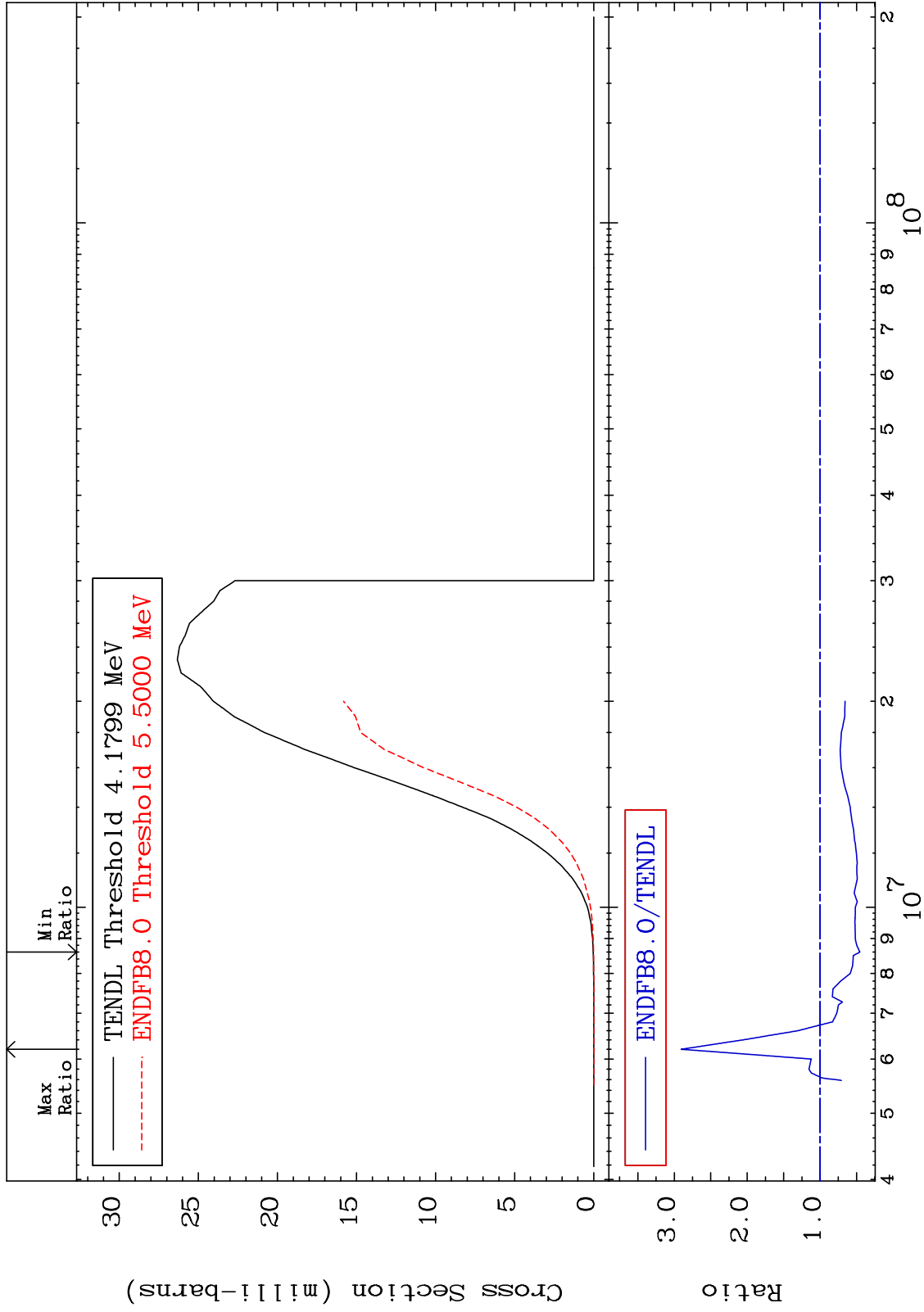
MAT 4037

(n,p)

40-Zr-94

Cross Section

-54.61 To 190.5 %



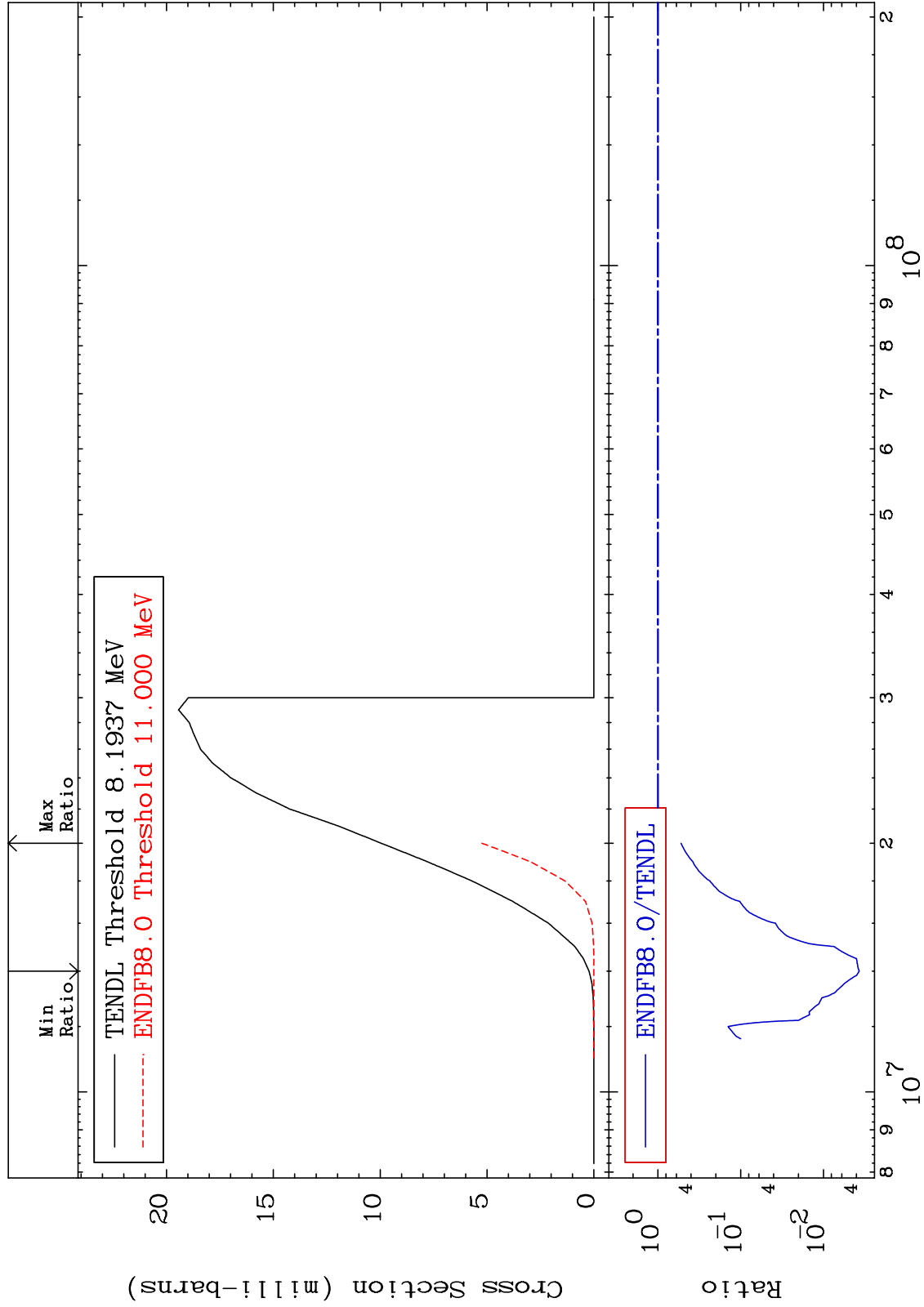
MAT 4037

(n, d)

40-Zr-94

Cross Section

-99.63 To -47.37%



25

Incident Energy (eV)

40-Zr-94

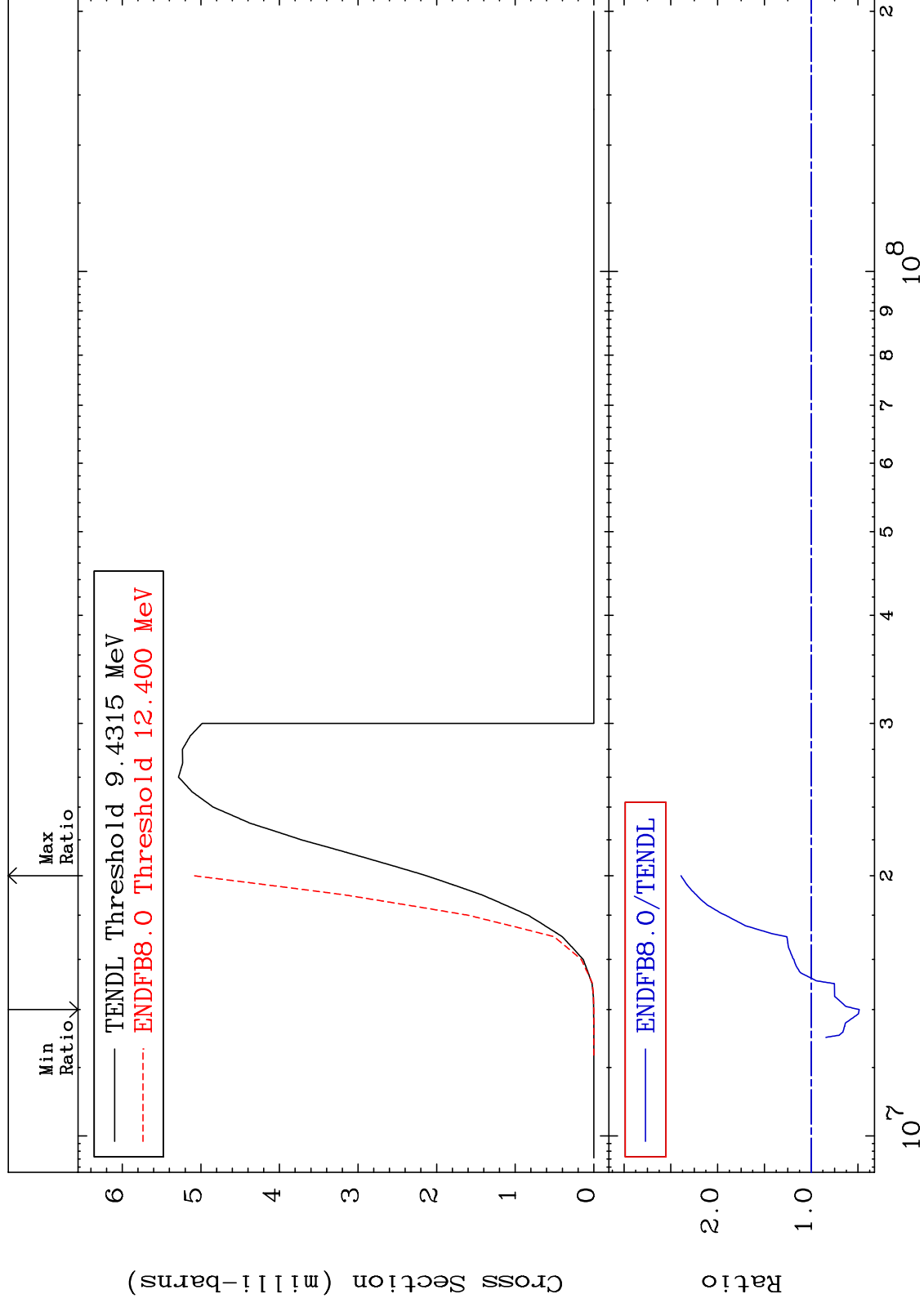
MAT 4037

(n, t)

40-Zr-94

Cross Section

-51.34 To 139.1 %



26

Incident Energy (eV)

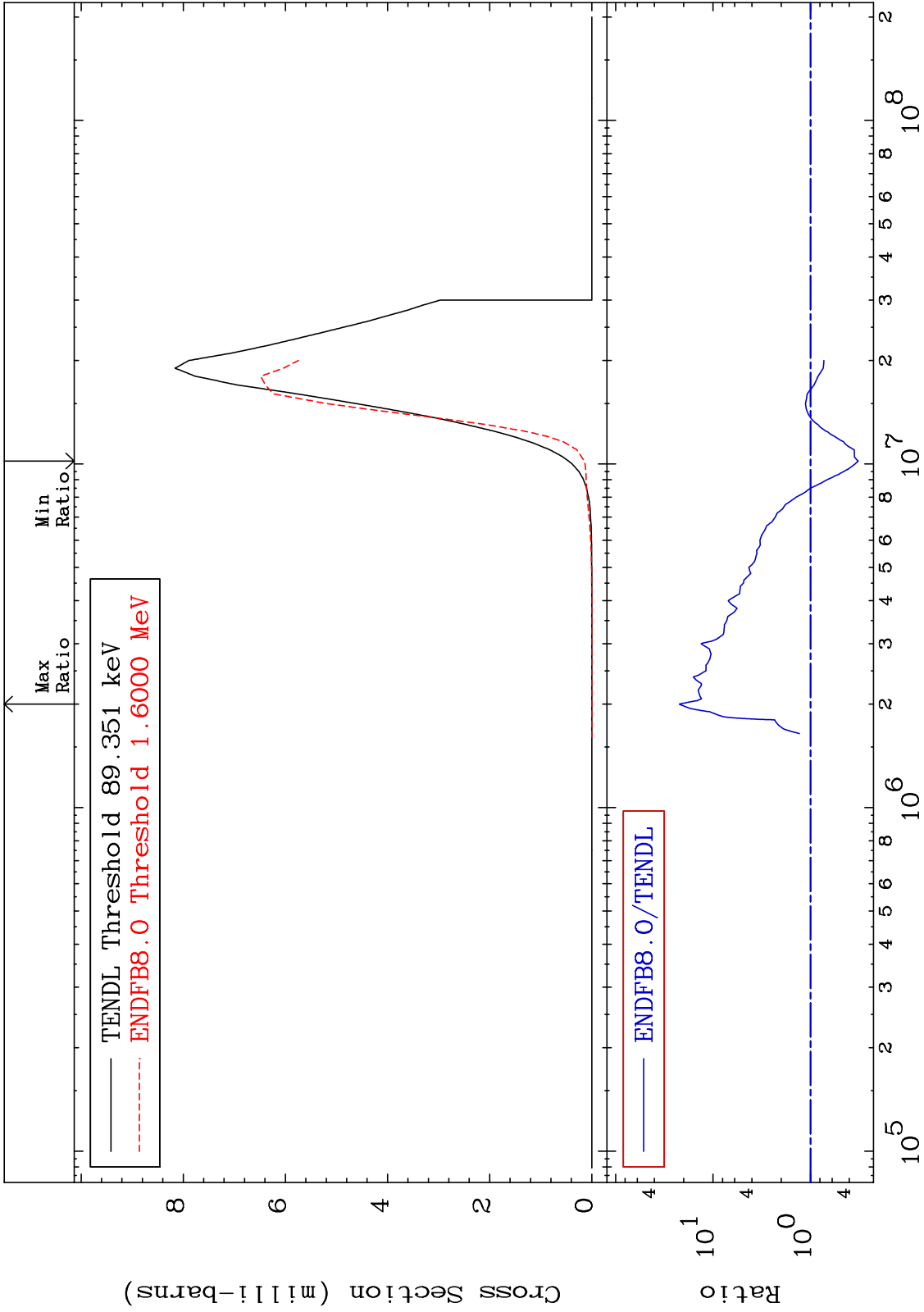
40-Zr-94

MAT 4037

40-Zr-94

-67.62 To 2116. %

(n, α)
Cross Section



27

Incident Energy (eV)

40-Zr-94

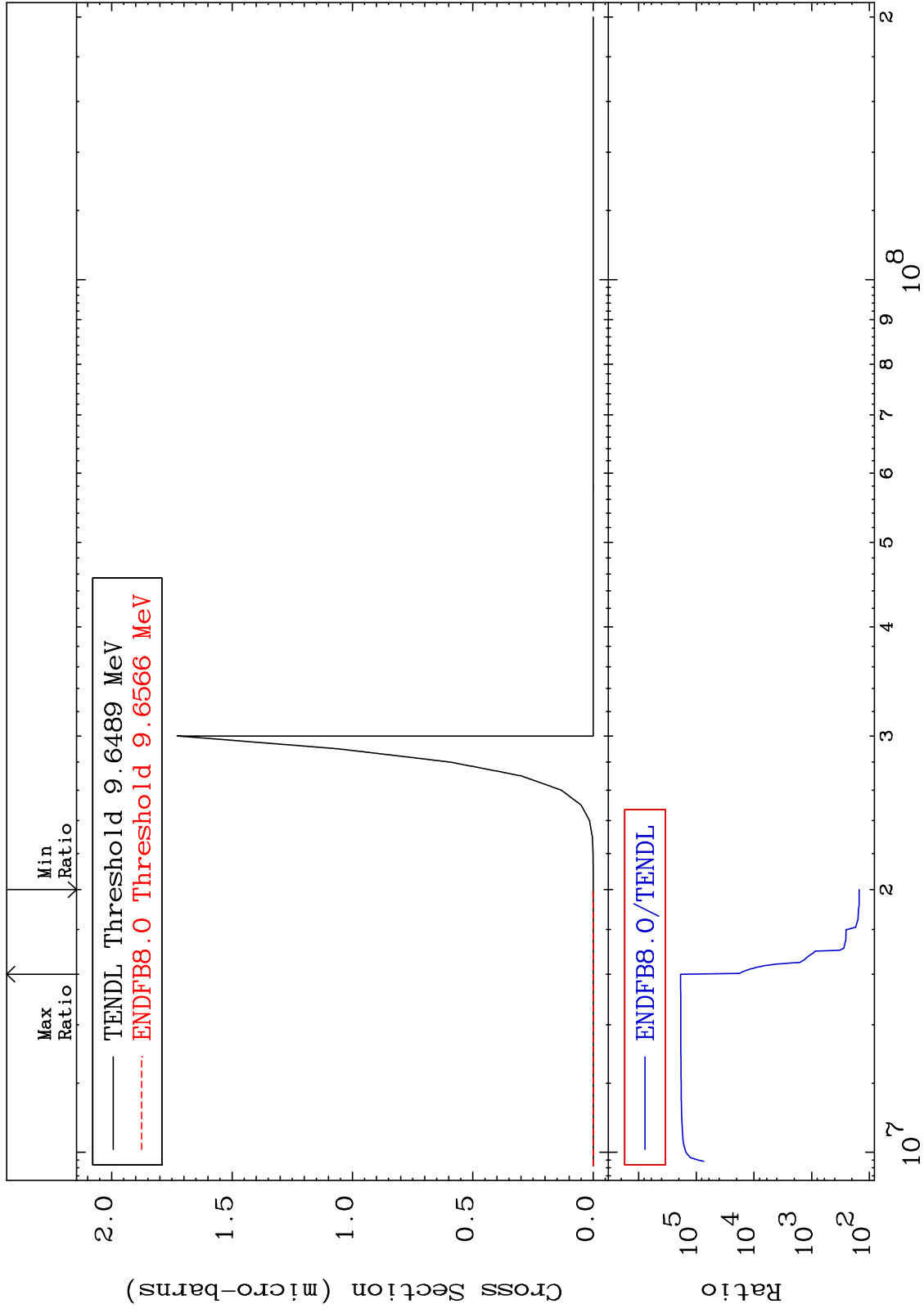
MAT 4037

(n,p) α

40-Zr-94

Cross Section

9999. To 9999. %



28

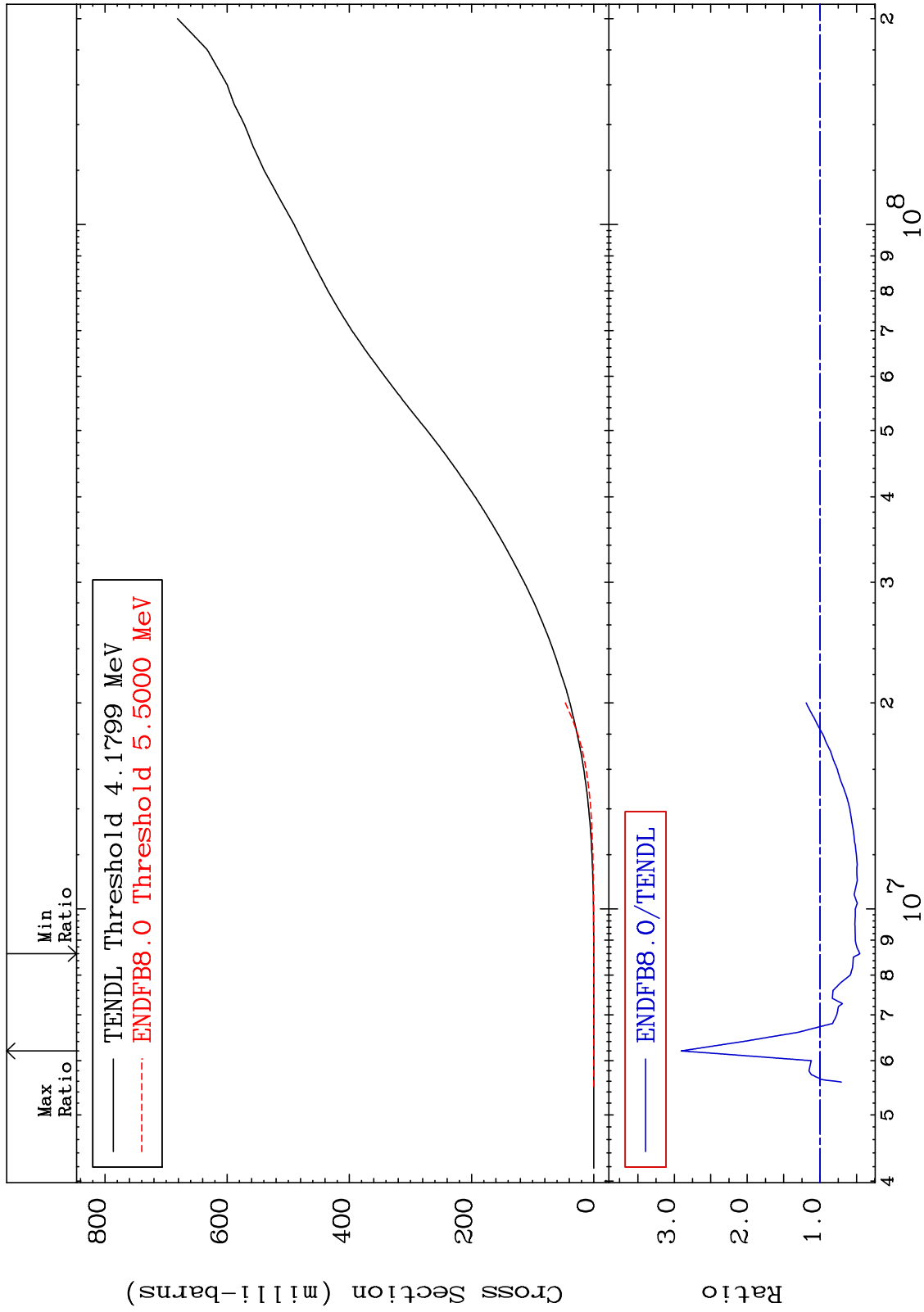
Incident Energy (eV)

40-Zr-94

MAT 4037

Hydrogen Production Cross Section

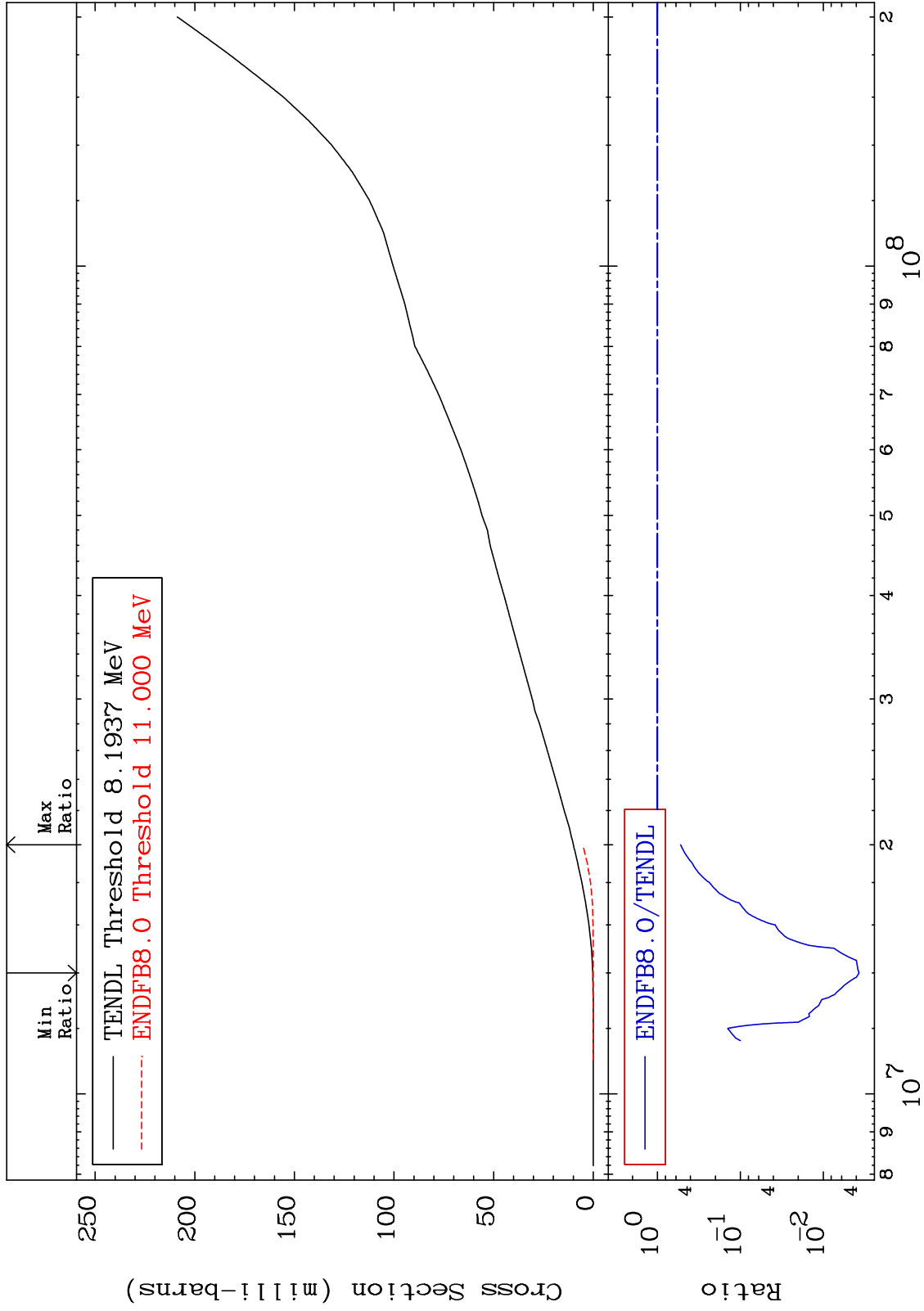
40-Zr-94
-54.61 To 190.5 %



MAT 4037

Deuterium Production
Cross Section

40-Zr-94
-99.63 To -47.40%



30

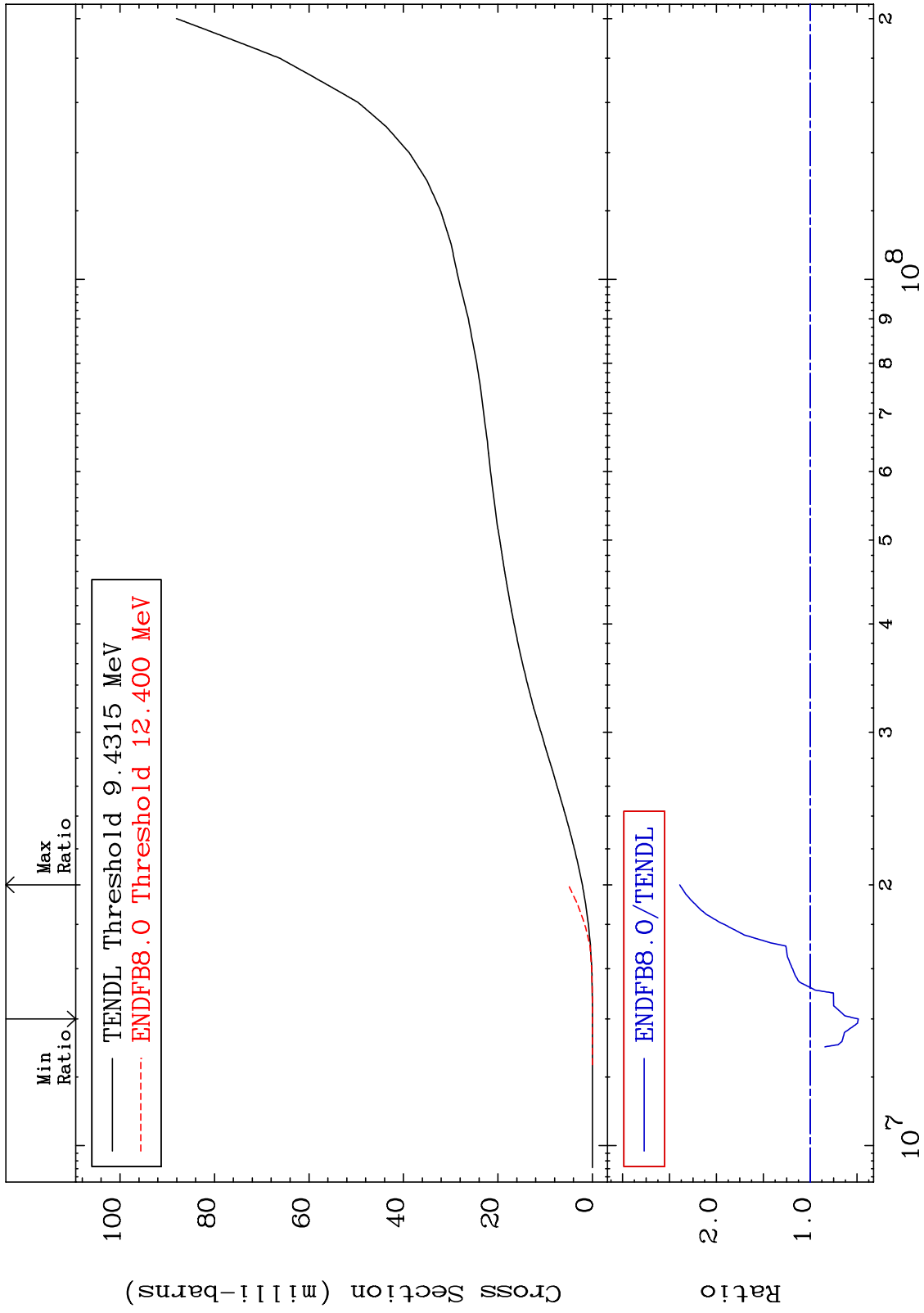
Incident Energy (eV)

40-Zr-94

MAT 4037

Tritium Production
Cross Section

40-Zr-94
-51.34 To 139.0 %



31

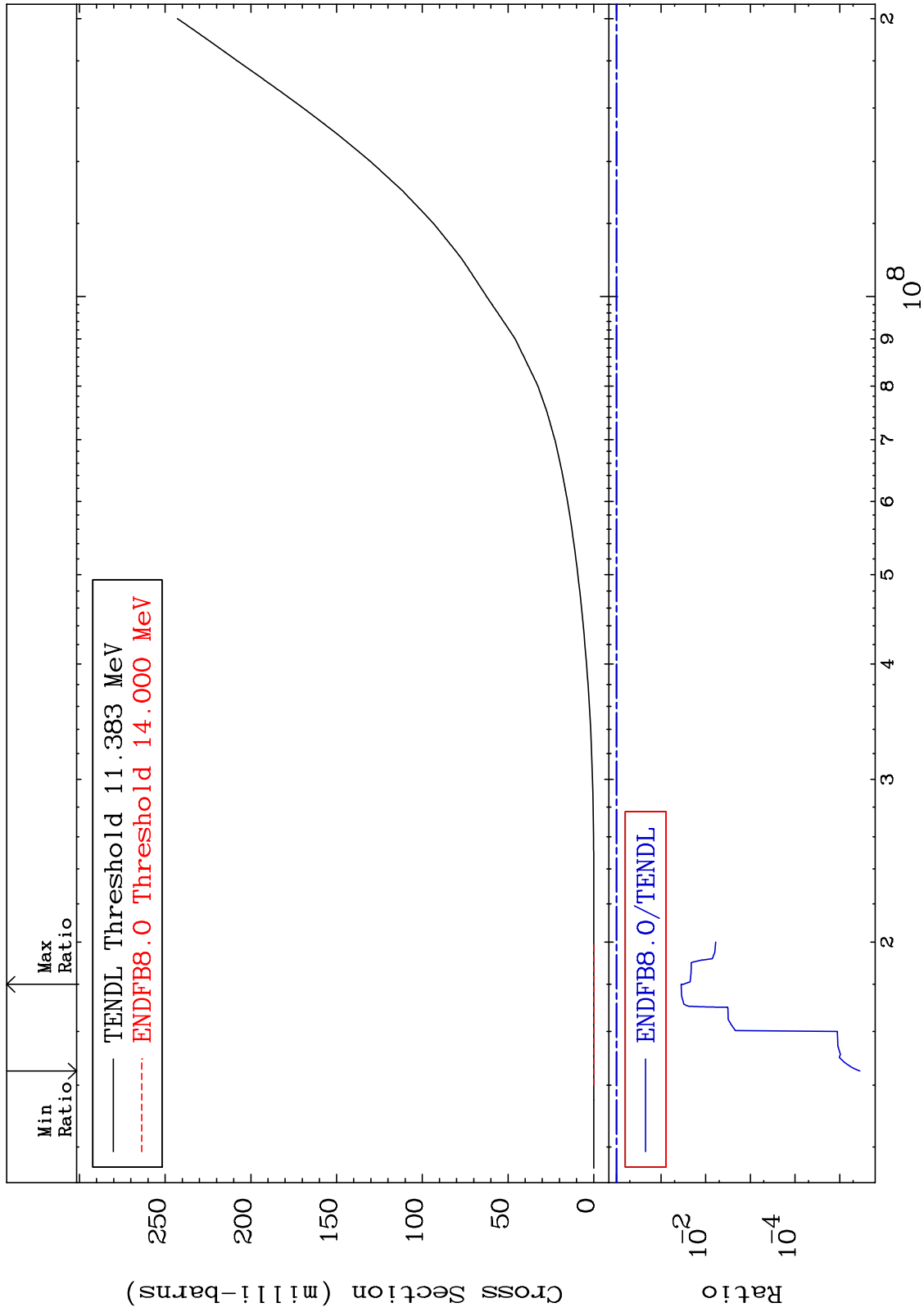
Incident Energy (eV)

40-Zr-94

MAT 4037

He-3 Production
Cross Section

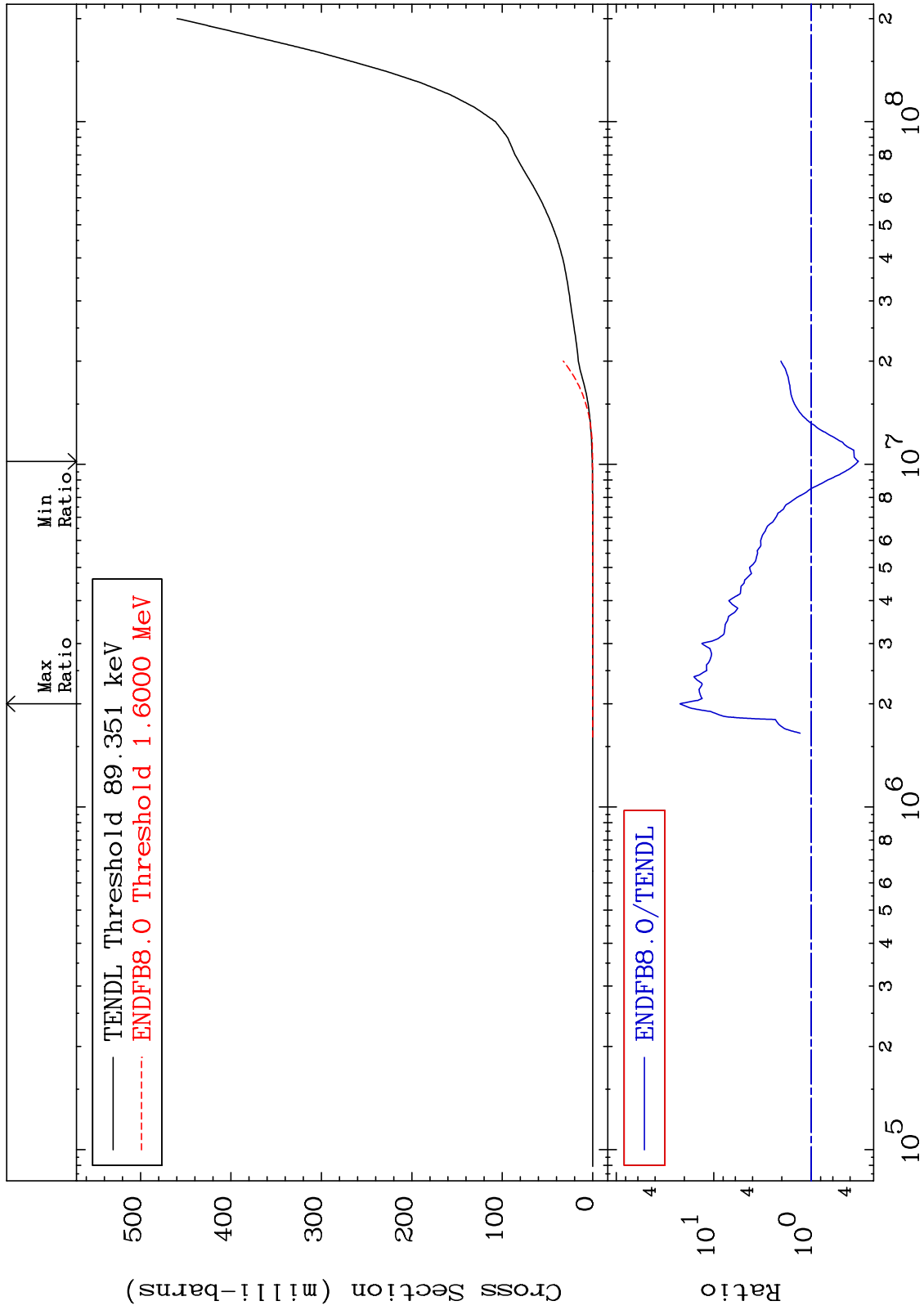
40-Zr-94
-100.0 To -96.46%



MAT 4037

He-4 Production
Cross Section

40-Zr-94
-67.14 To 2116. %



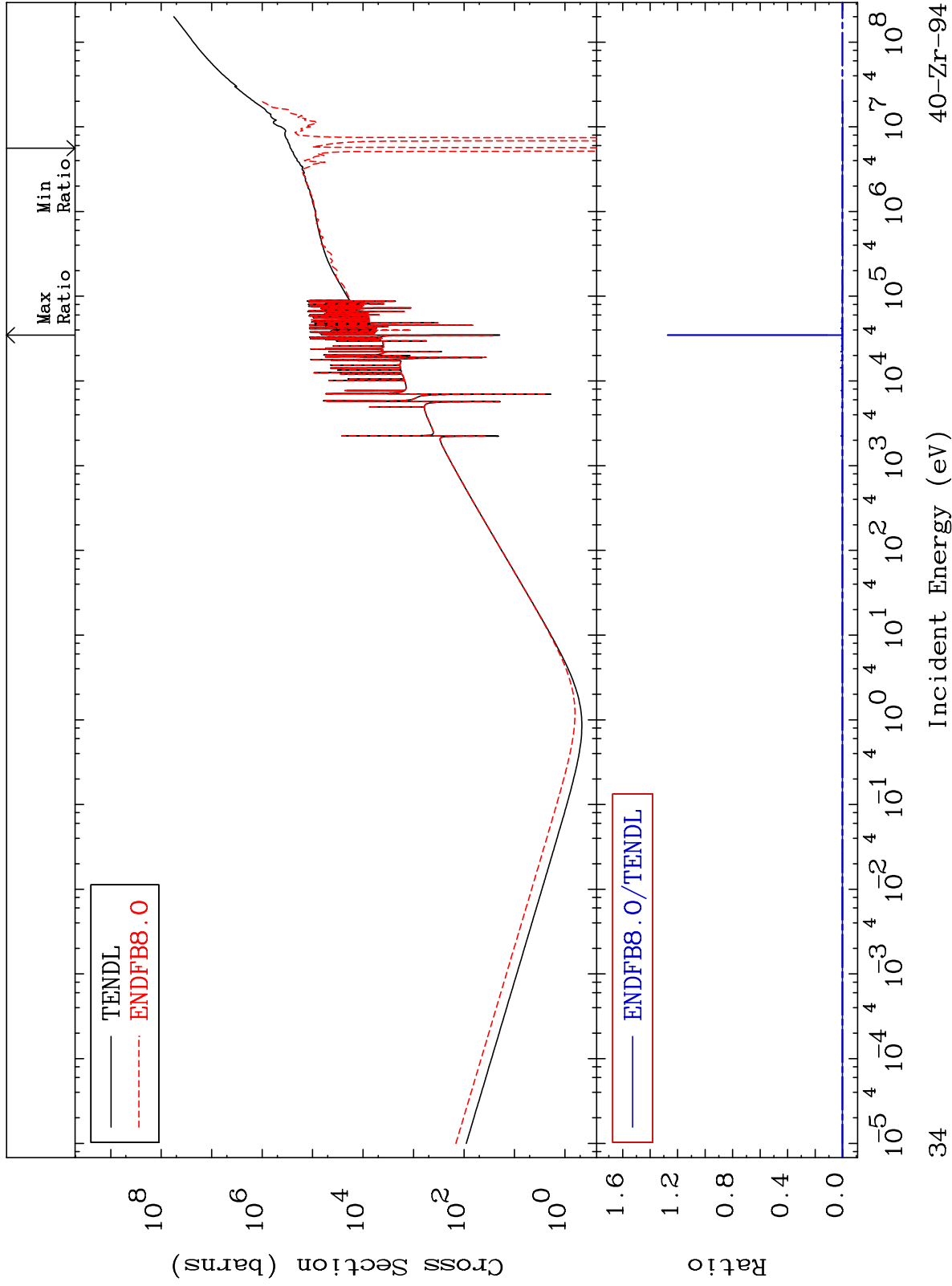
33

40-Zr-94

MAT 4037

Kerma total (eV-barns)
Cross Section

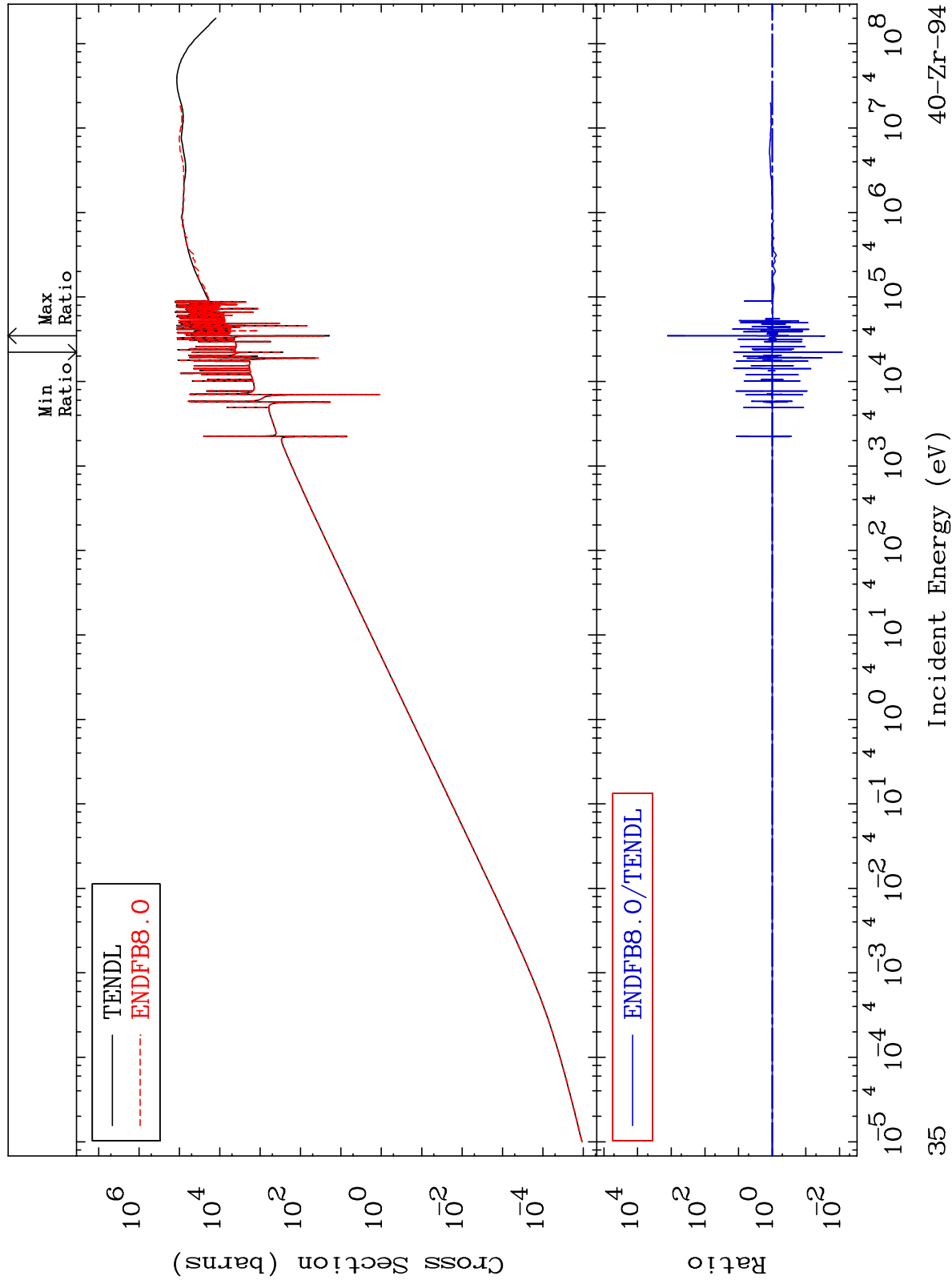
40-Zr-94
-121.5 To 9999. %



MAT 4037

Kerma elastic
Cross Section

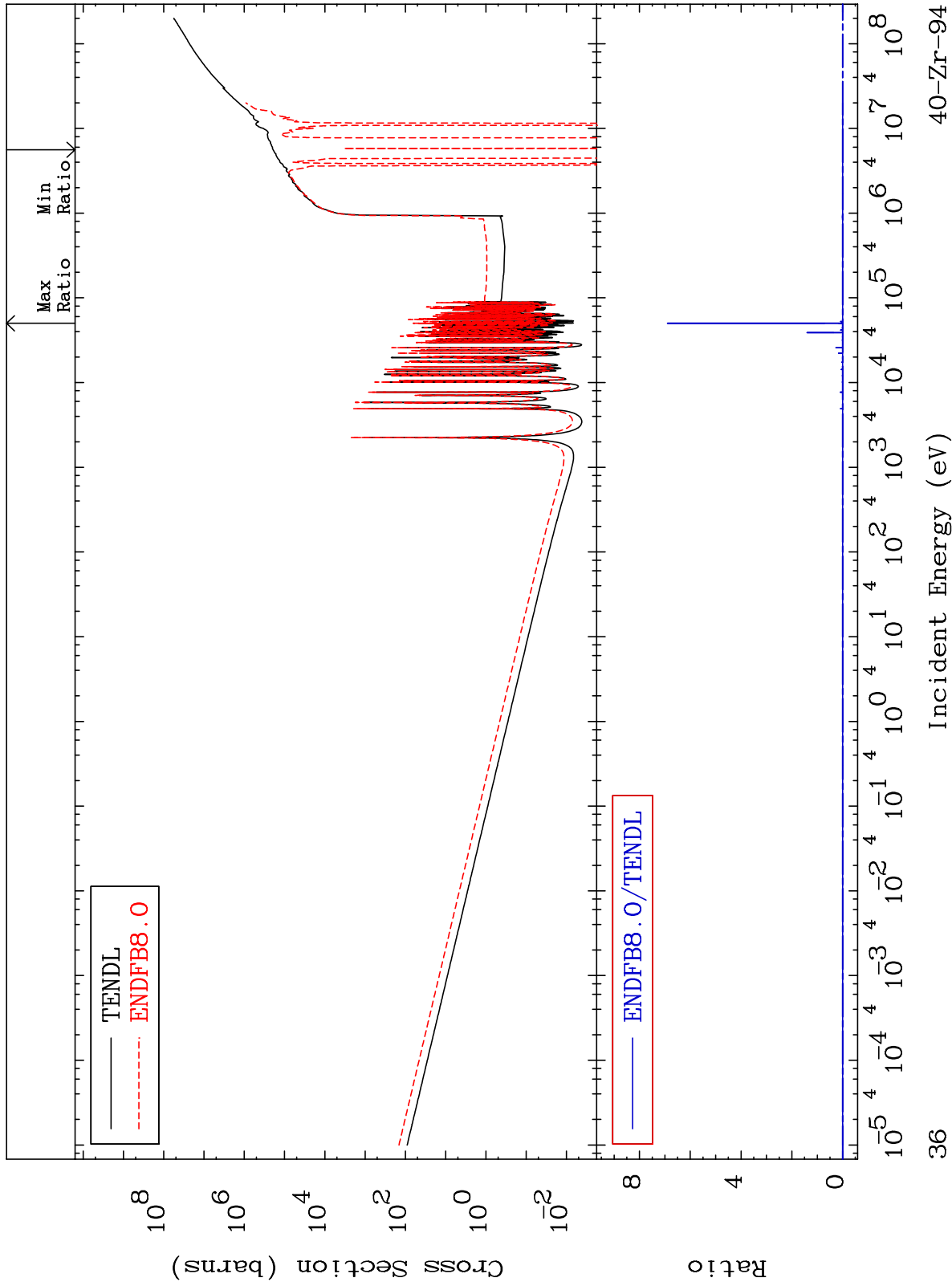
40-Zr-94
-99.17 To 9999. %



MAT 4037

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-94
-180.5 To 9999. %



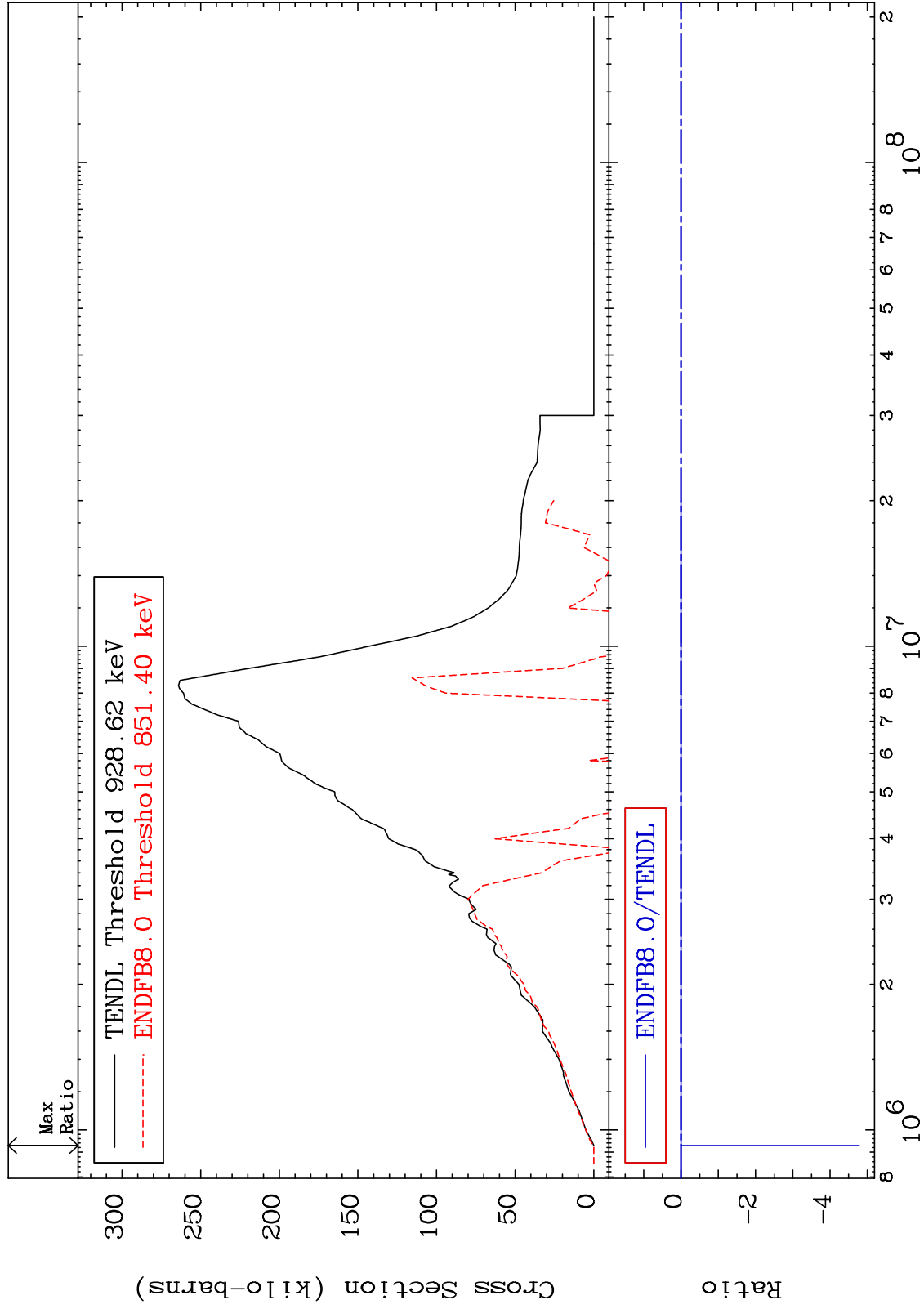
36

40-Zr-94

MAT 4037

Kerma inelastic (mt51-91)
Cross Section

40-Zr-94
-9999. To 9999. %



37

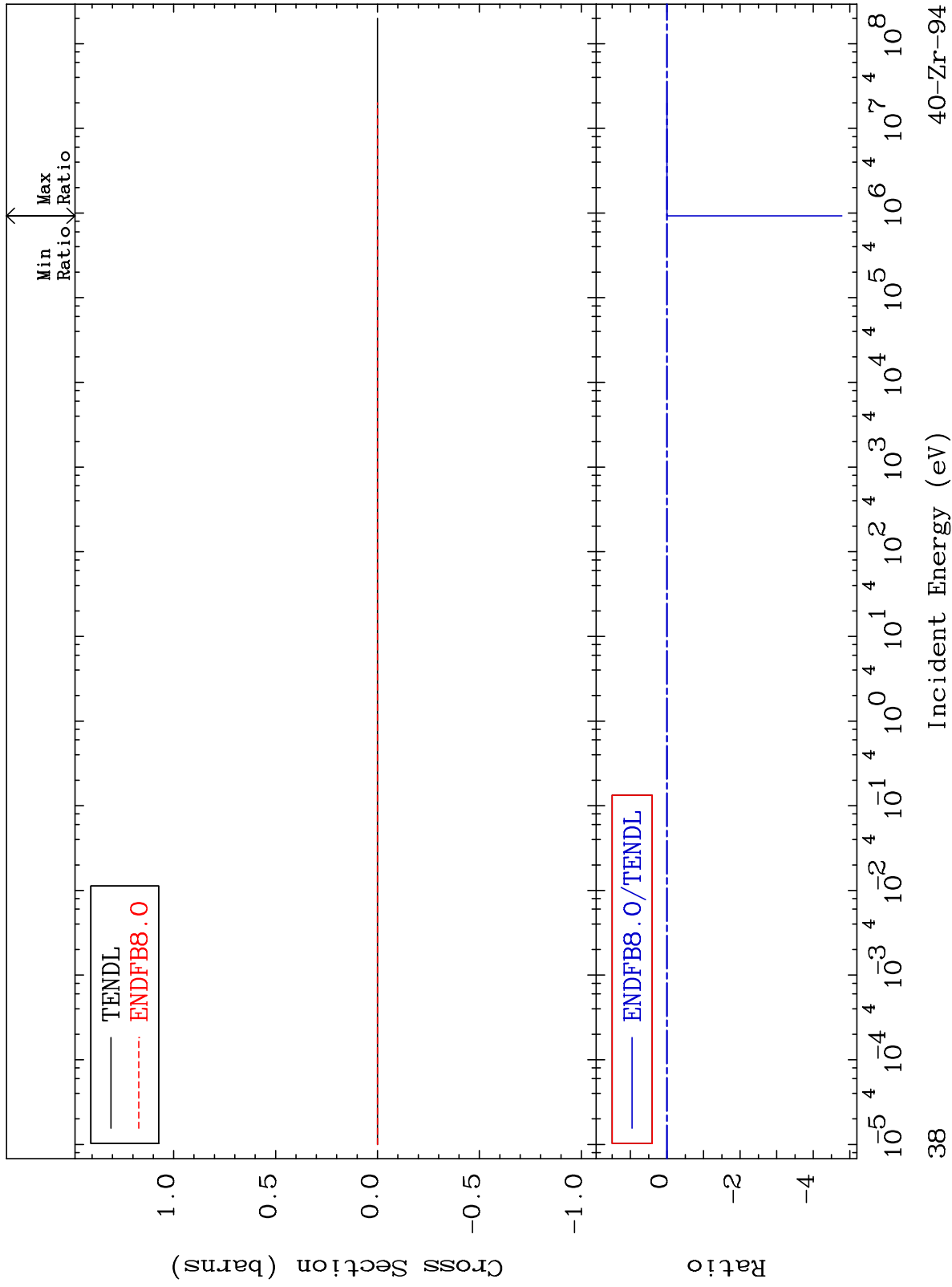
Incident Energy (eV)

40-Zr-94

MAT 4037

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

40-Zr-94
-9999. To 9999. %



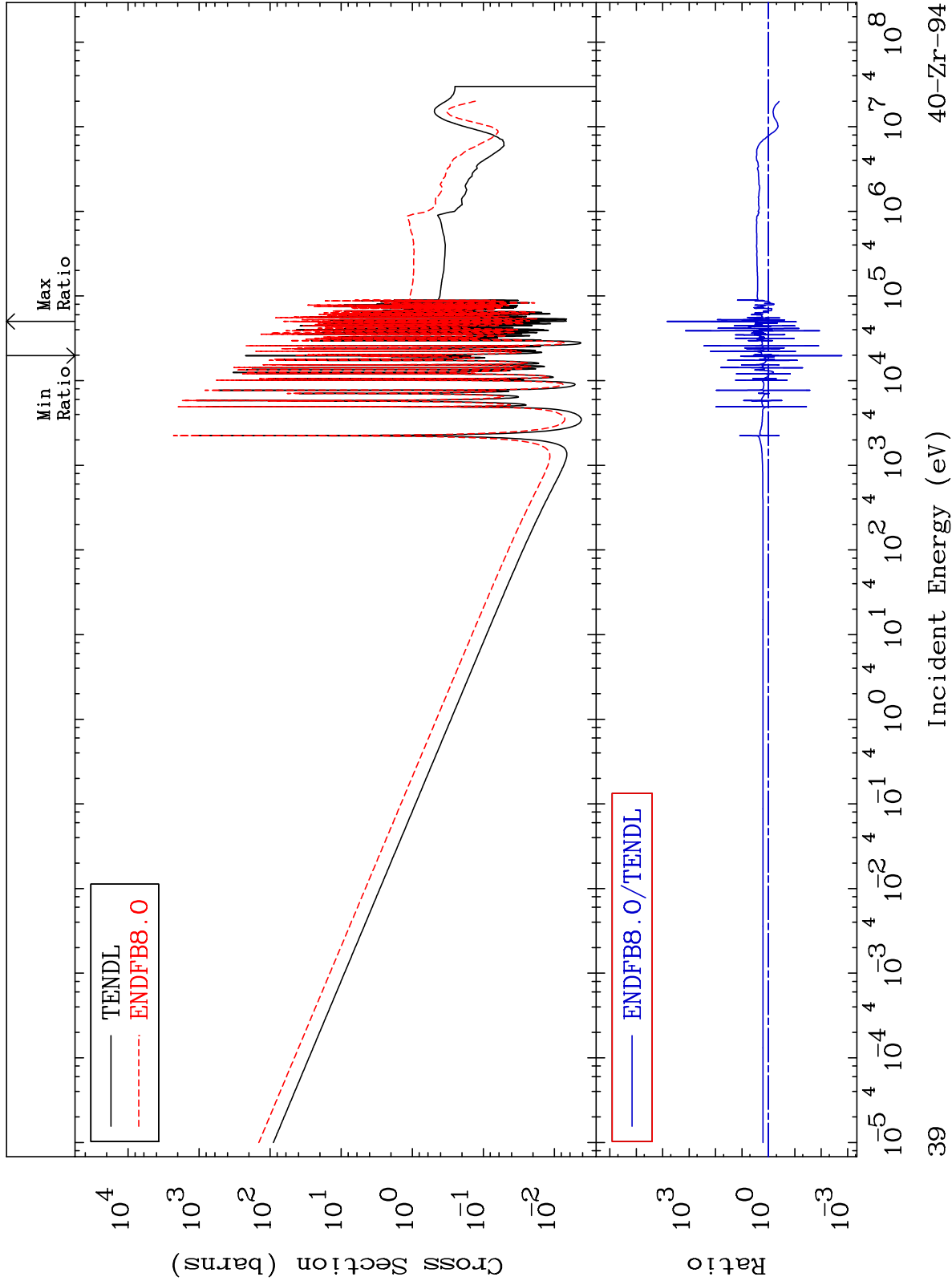
38

40-Zr-94

MAT 4037

Kerma capture (mt102)
Cross Section

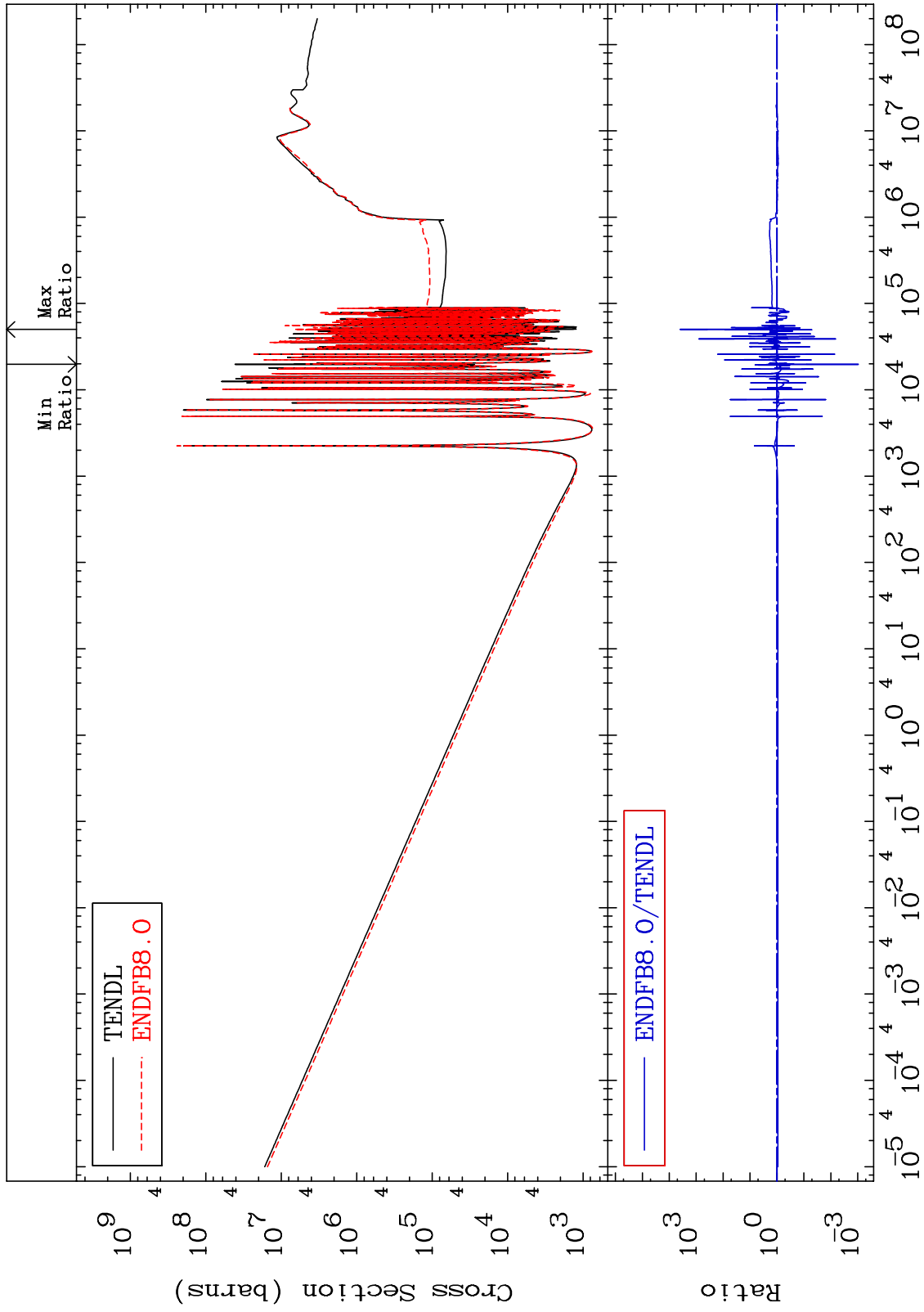
40-Zr-94
-99.84 To 9999. %



MAT 4037

Total photon (eV-barns)
Cross Section

40-Zr-94
-99.91 To 9999. %



40

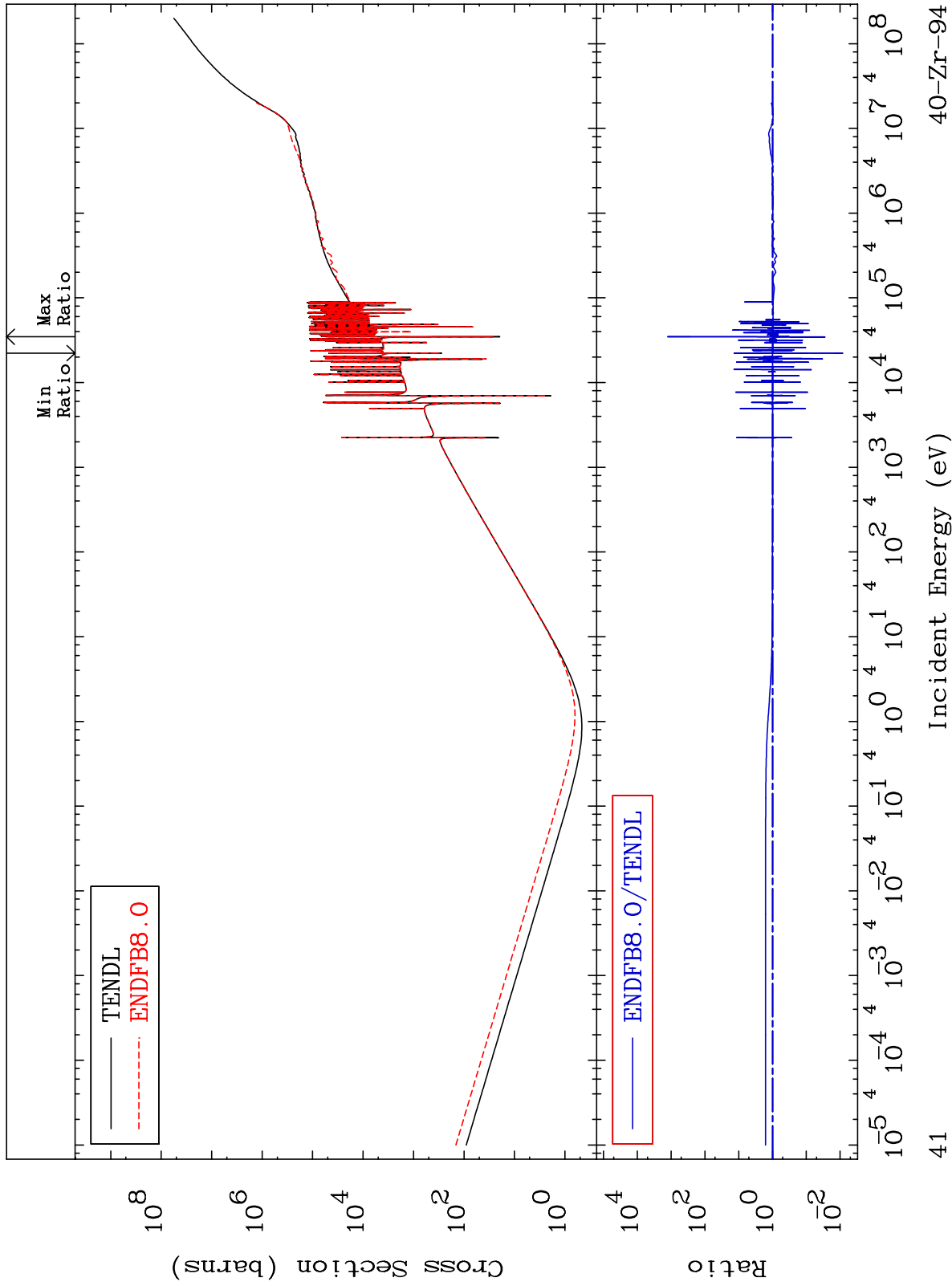
Incident Energy (eV)

40-Zr-94

MAT 4037

Total kinematic kerma (high limit)
Cross Section

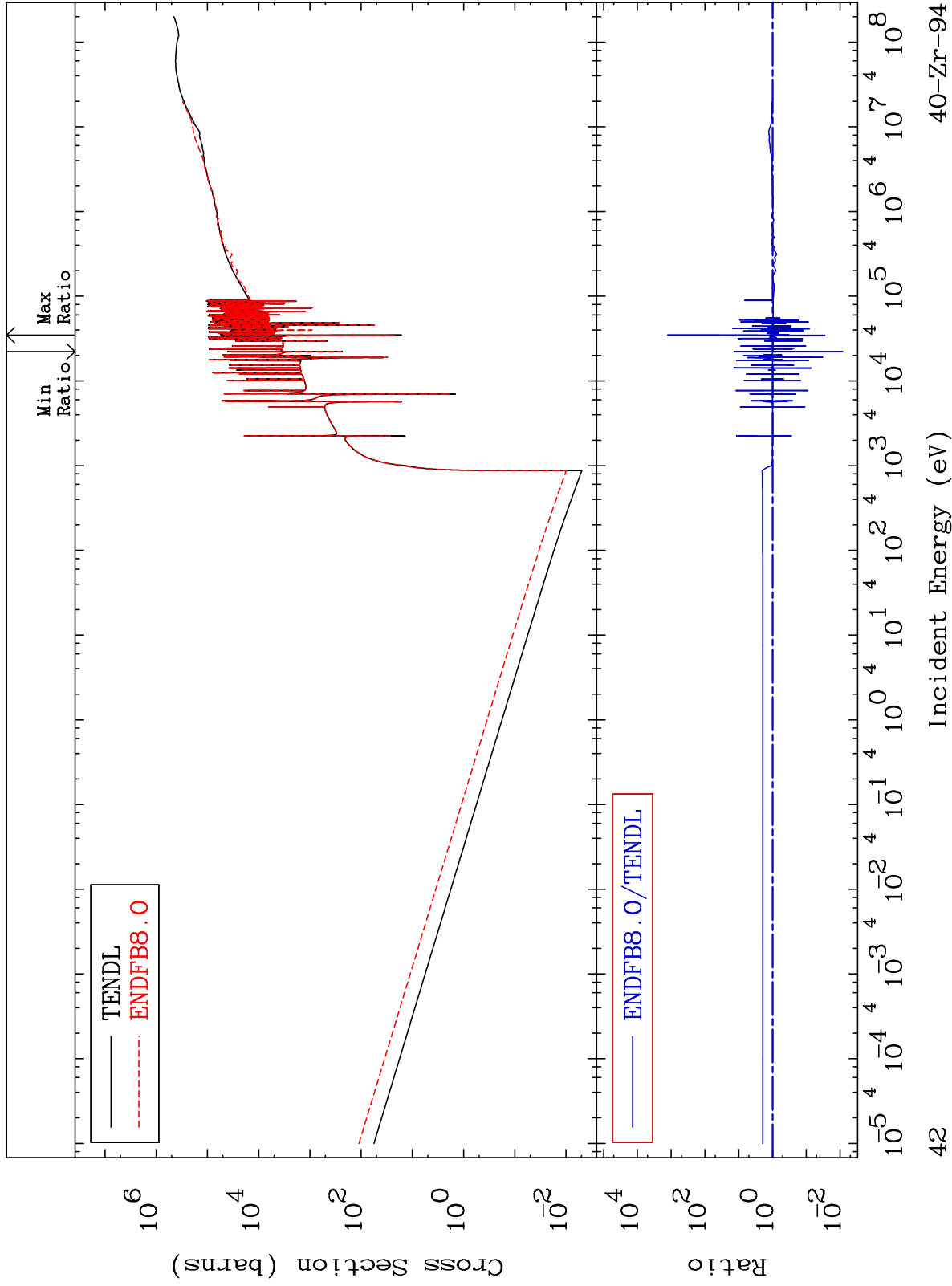
40-Zr-94
-99.16 To 9999. %



MAT 4037

Dpa total (eV-barns)
Cross Section

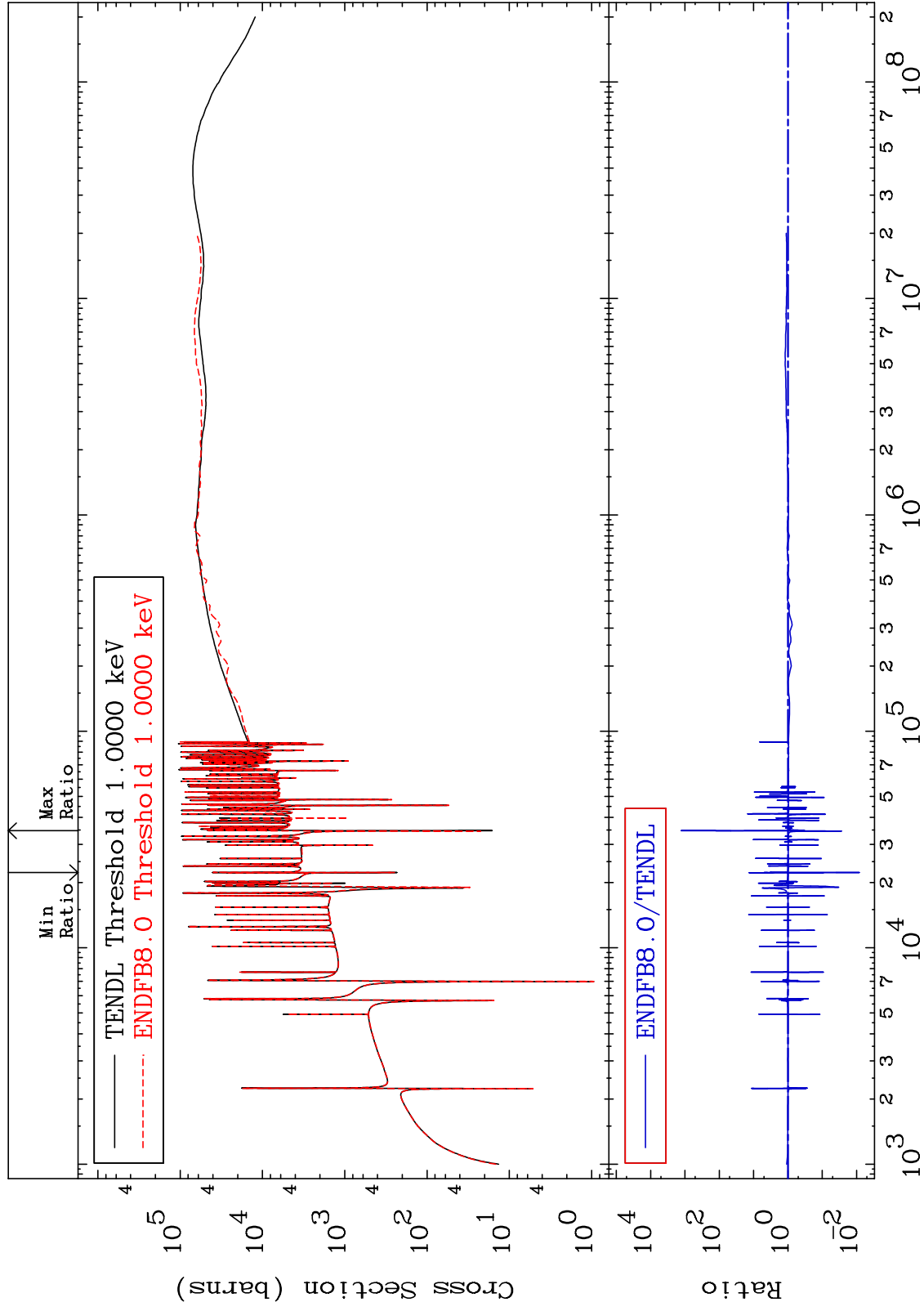
40-Zr-94
-99.16 To 9999. %



MAT 4037

Dpa elastic (mt2)
Cross Section

40-Zr-94
-99.17 To 9999. %



43

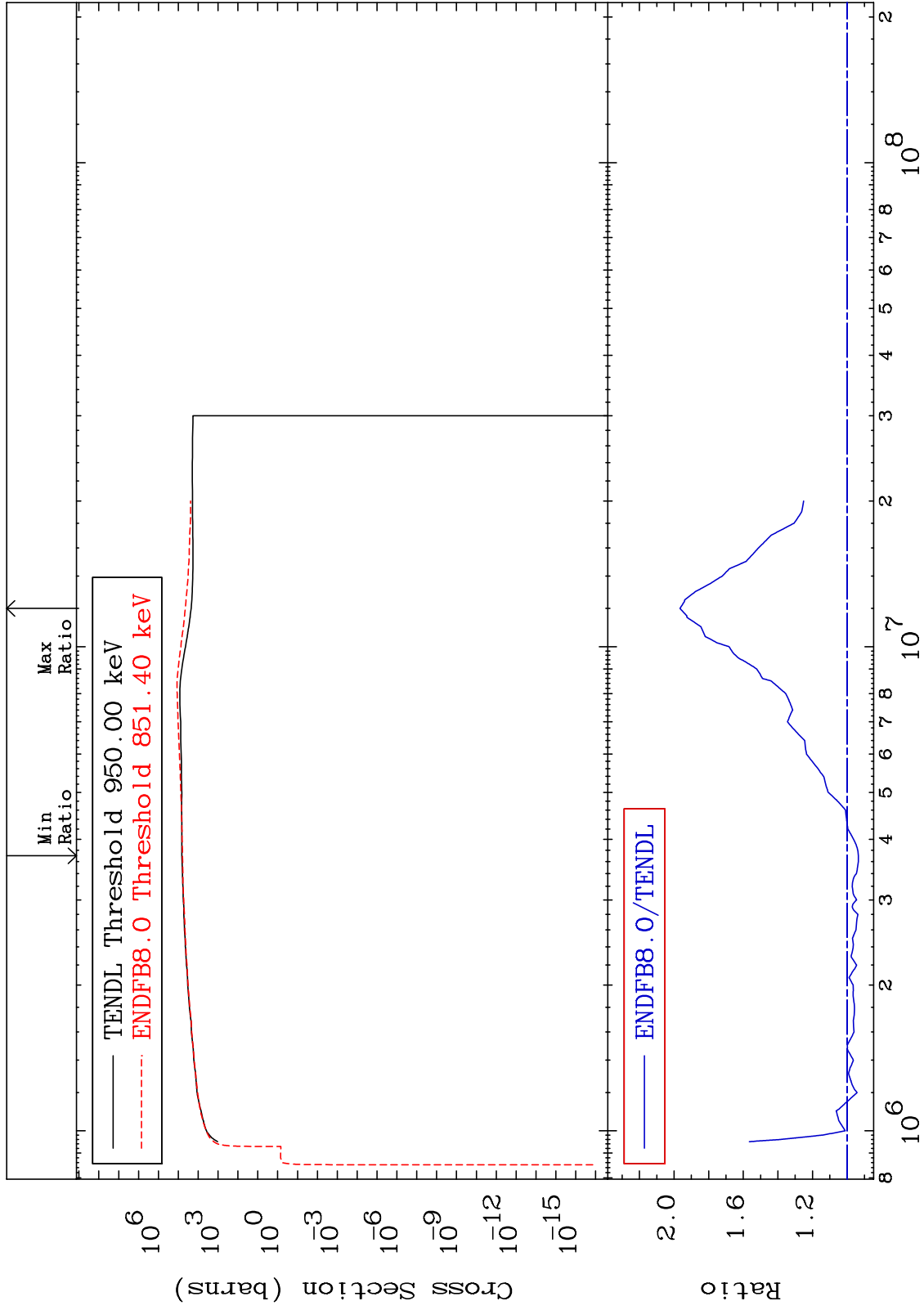
40-Zr-94

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)
Cross Section

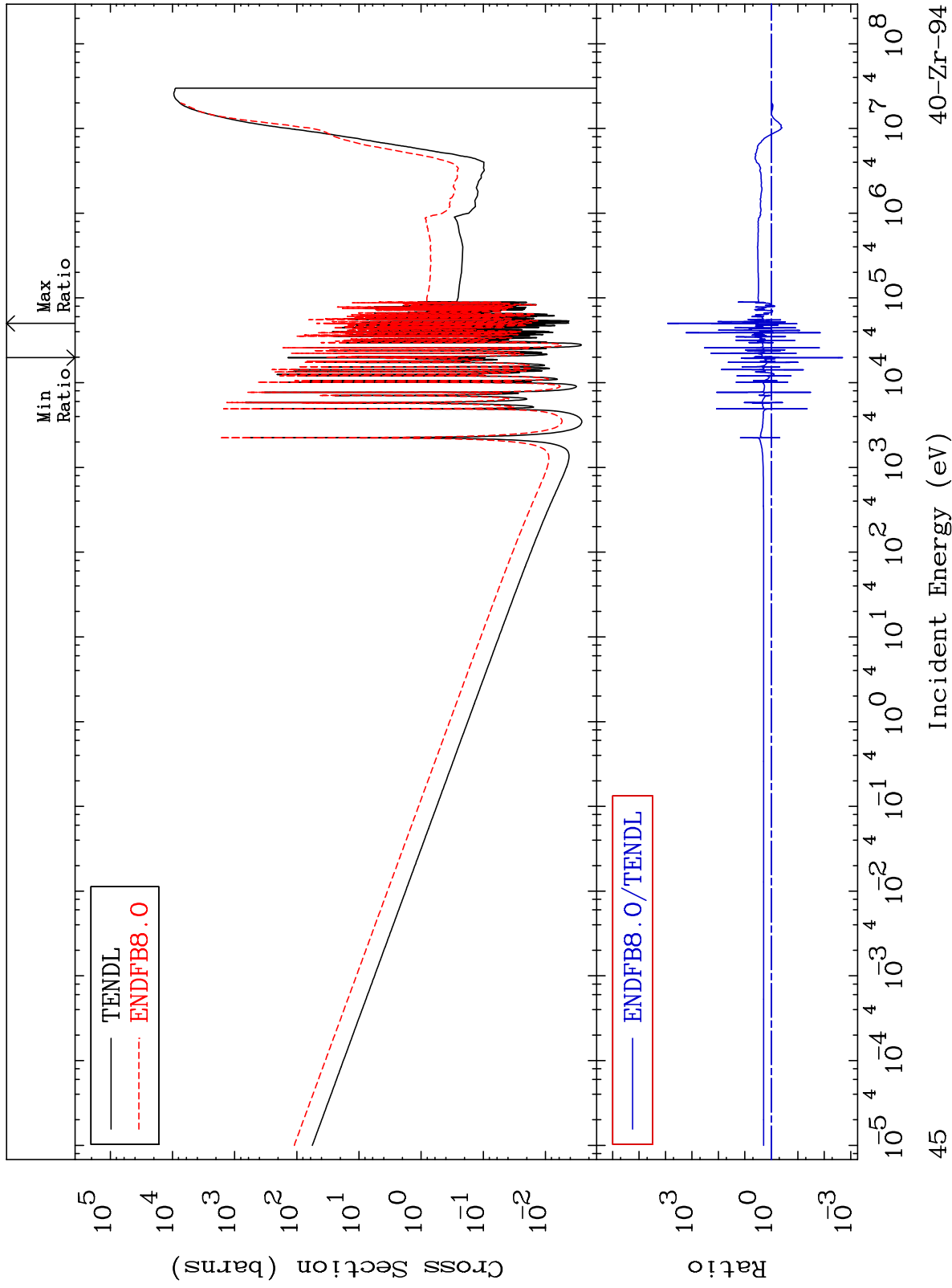
40-Zr-94
-6.507 To 96.55 %



MAT 4037

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-94
-99.80 To 9999. %

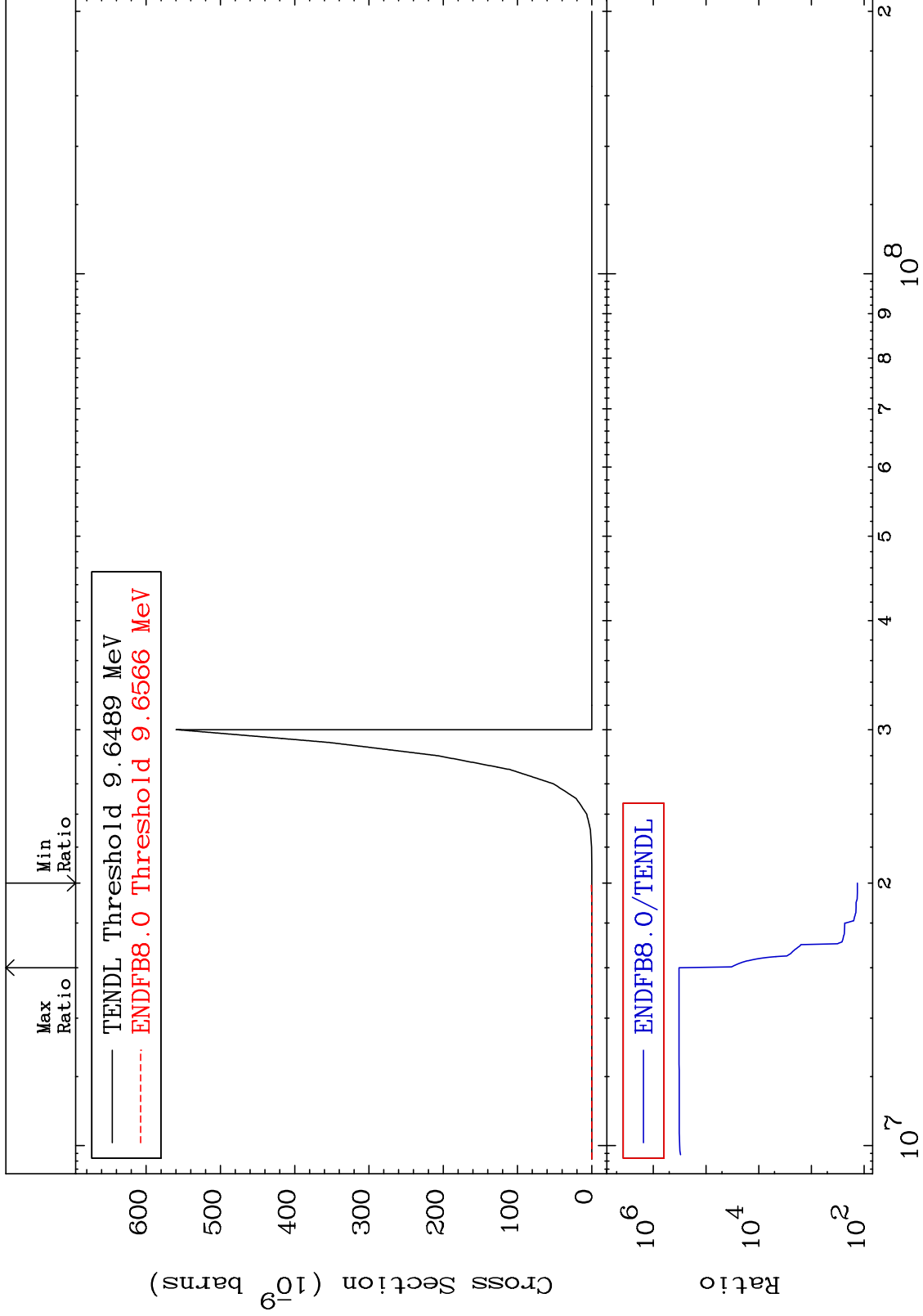


MAT 4037

40-Zr-94

(n,p) α :37-Rb-90g

Radionuclide Production Cross Section 9999. To 9999. %



Incident Energy (eV)

40-Zr-94

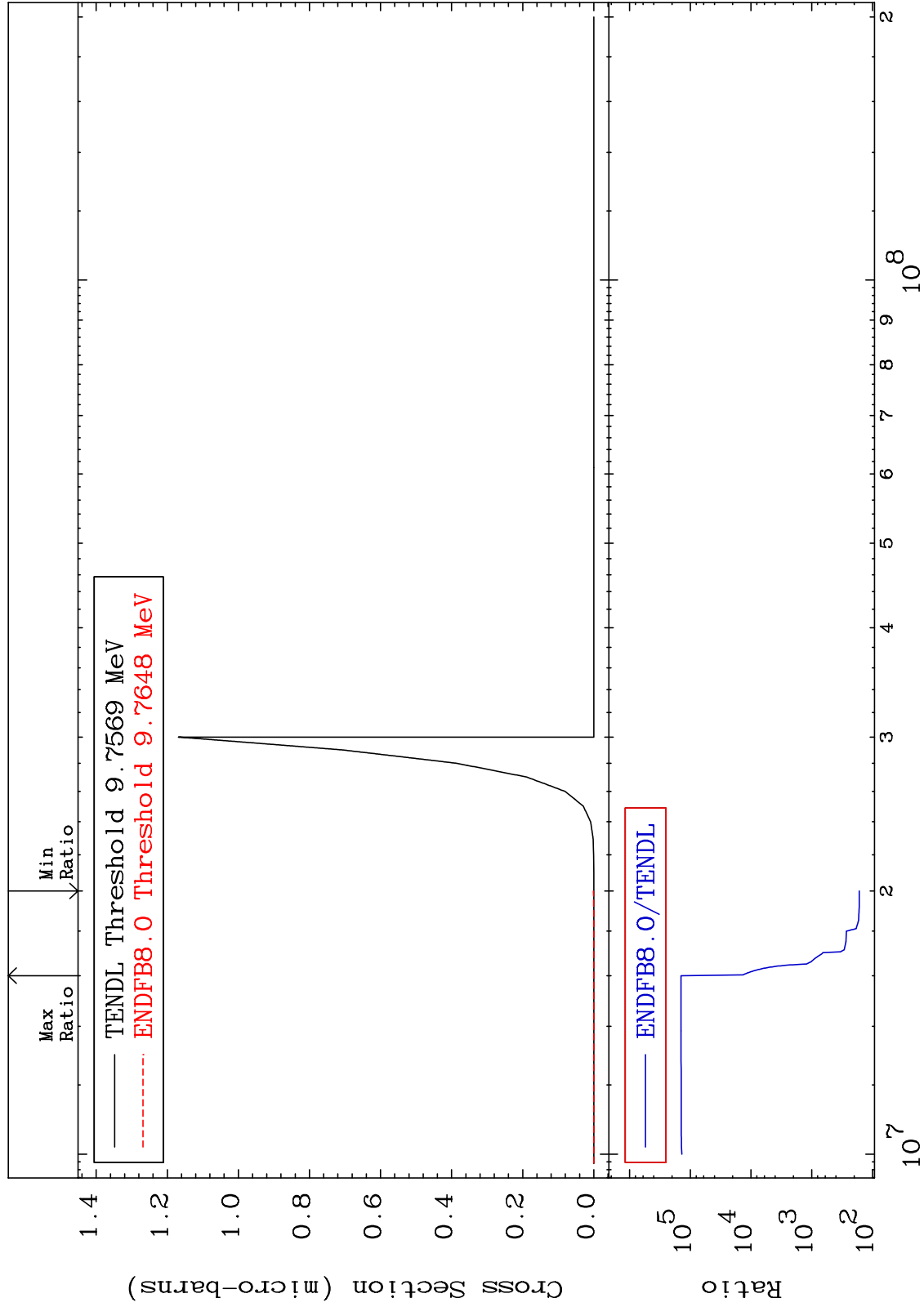
46

MAT 4037

(n, p) α : 37-Rb-90m1

40-Zr-94

Radionuclide Production Cross Section 9999. To 9999. %



40-Zr-94

Incident Energy (eV)

47