

Program Complot
(Version 2018-1)

by

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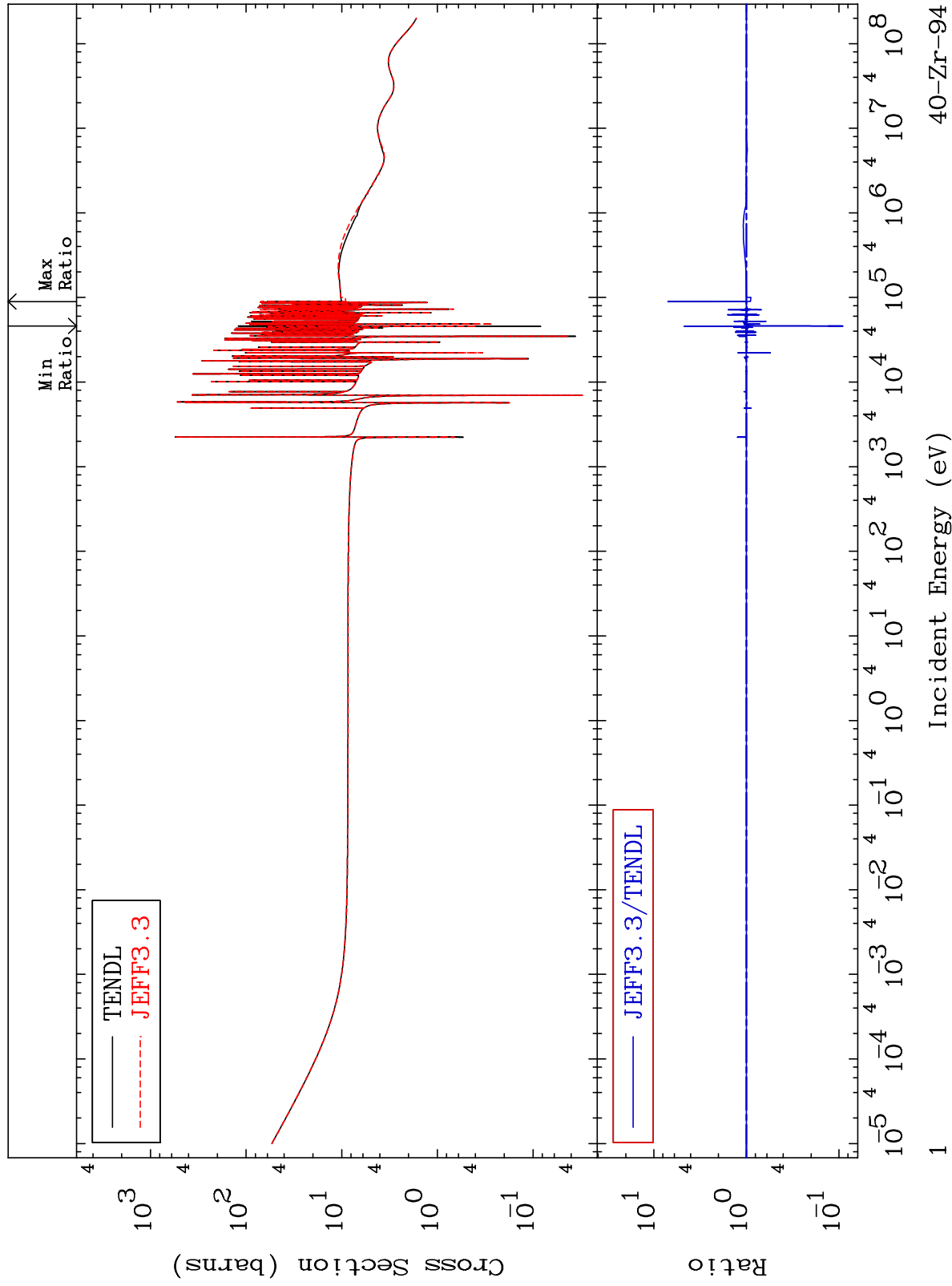
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4037

Total
Cross Section

40-Zr-94
-90.91 To 601.2 %

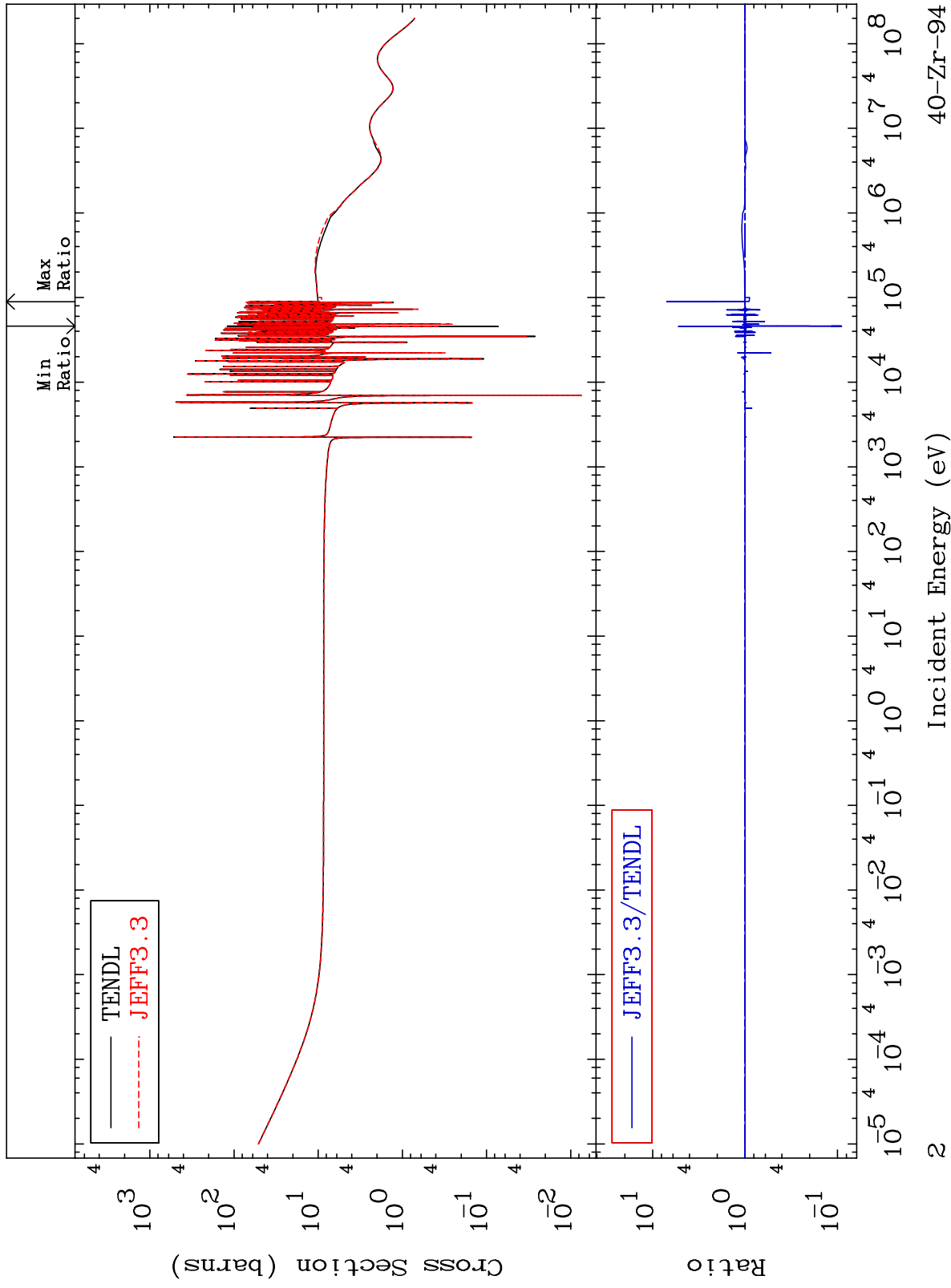


40-Zr-94

MAT 4037

Elastic
Cross Section

40-Zr-94
-91.04 To 600.8 %



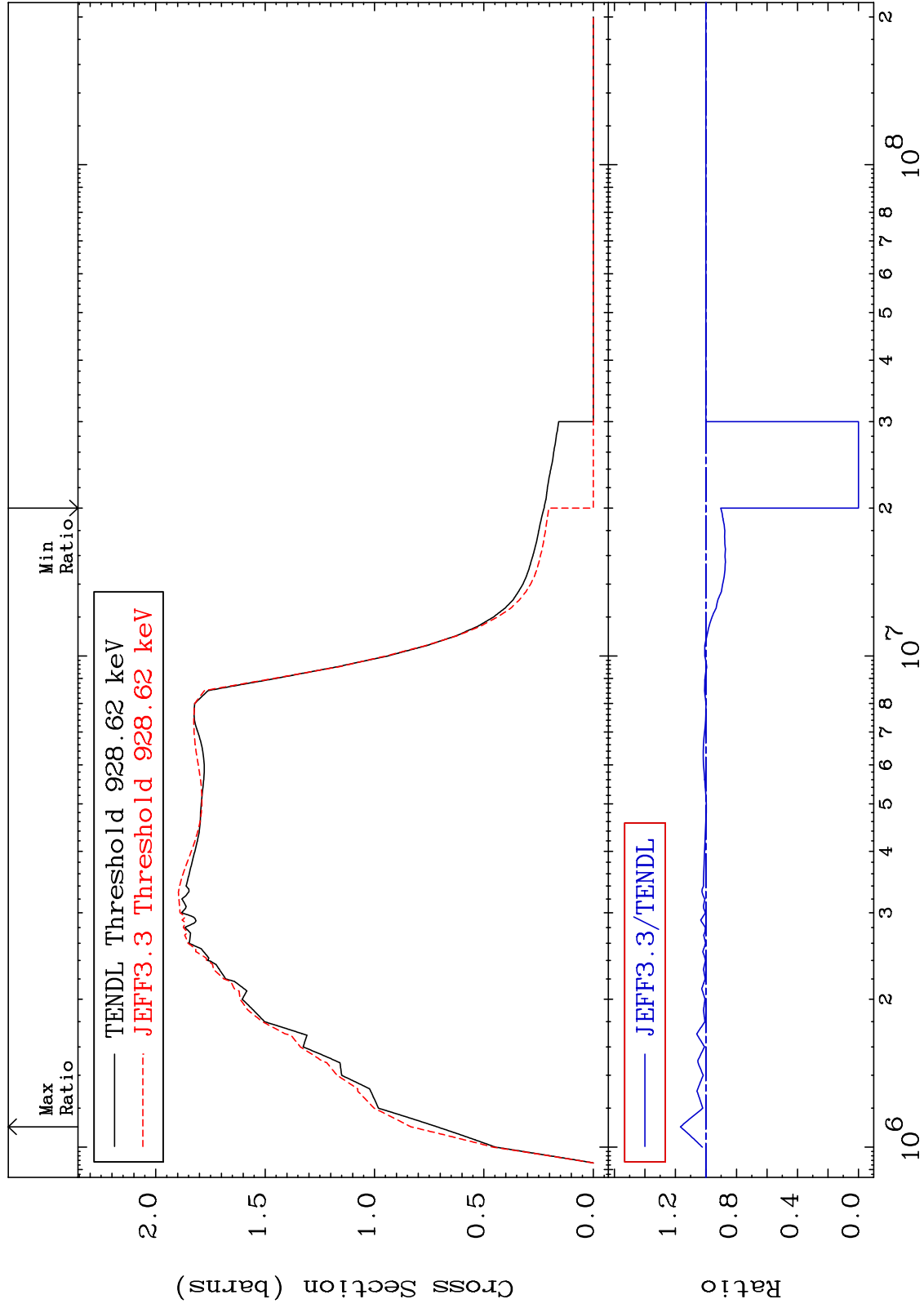
40-Zr-94

Incident Energy (eV)

MAT 4037

Inelastic
Cross Section

40-Zr-94
-100.0 To 16.70 %



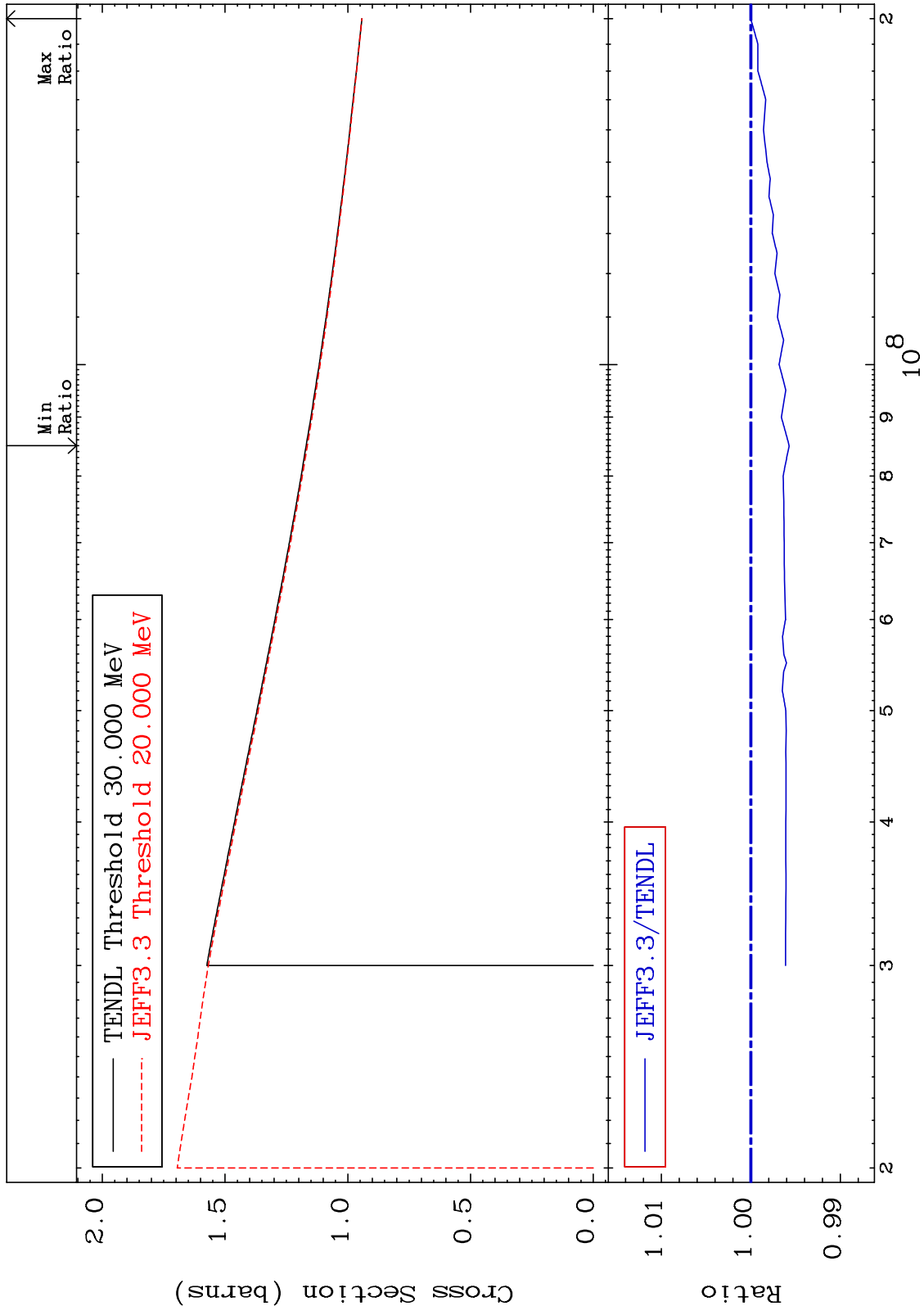
40-Zr-94

3

MAT 4037

(n, remainder)
Cross Section

40-Zr-94
-0.428 To 0.002 %



4

Incident Energy (eV)

40-Zr-94

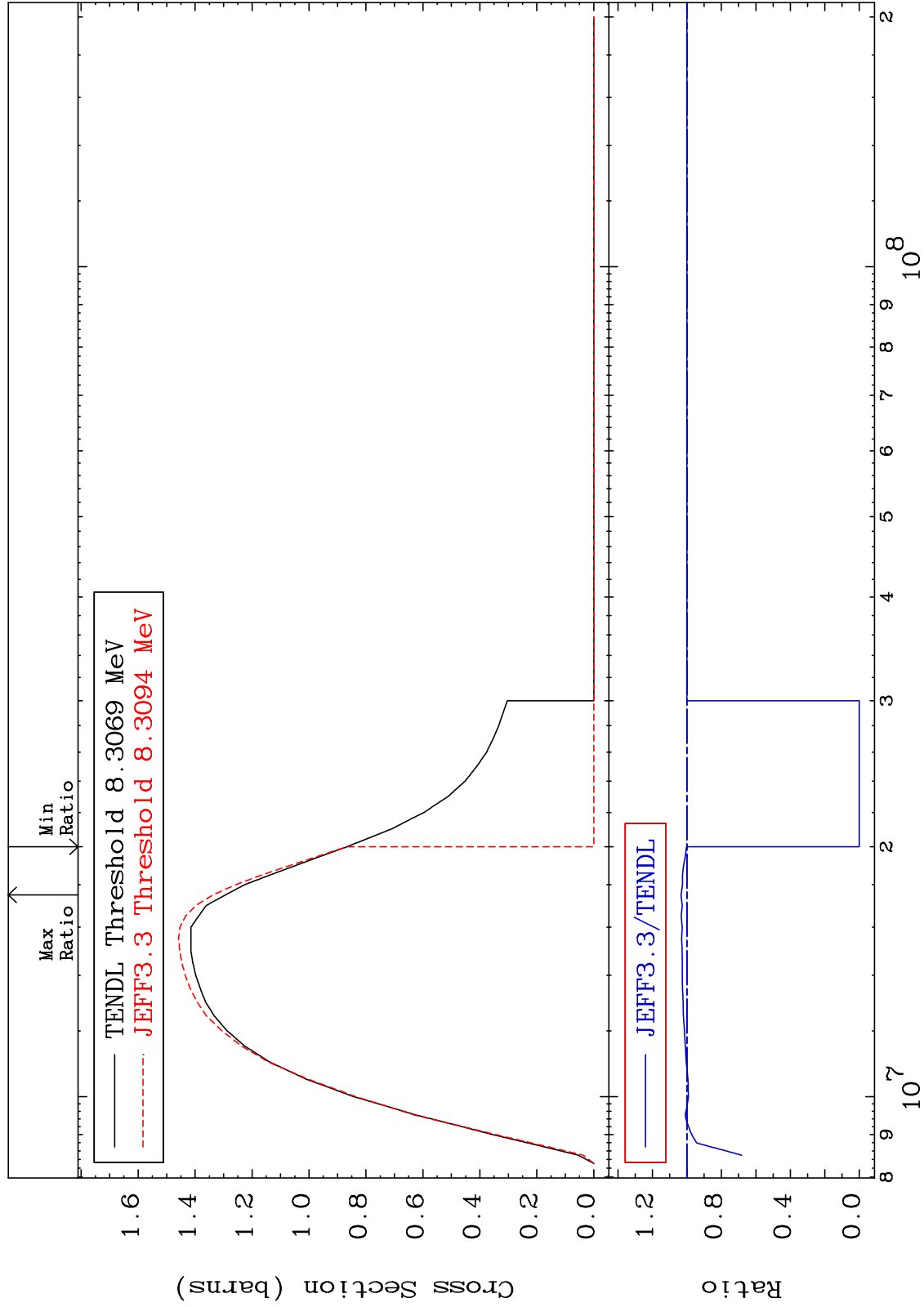
MAT 4037

(n, 2n)

40-Zr-94

Cross Section

-100.0 To 3.381 %



Incident Energy (eV)

40-Zr-94

5

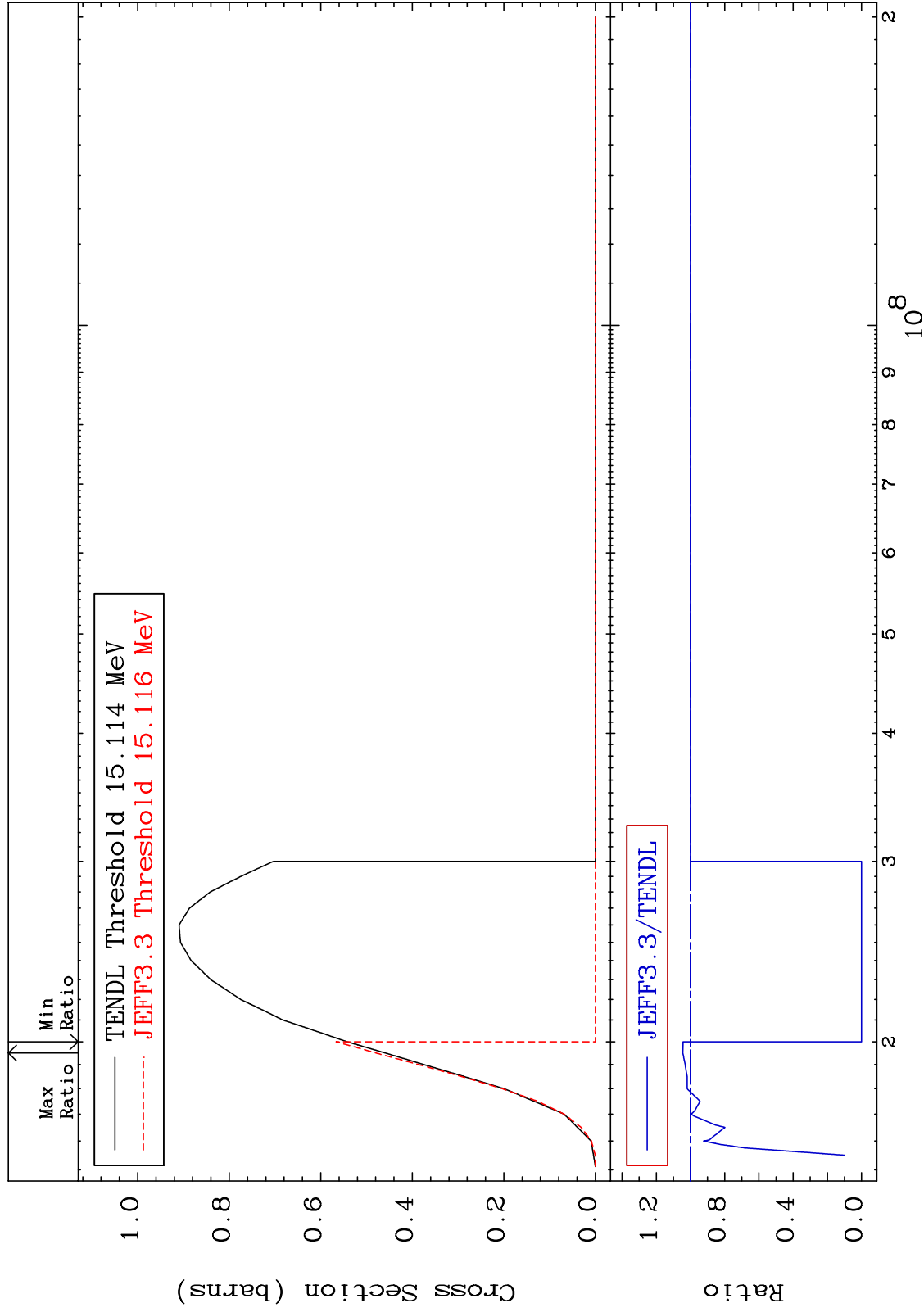
MAT 4037

(n, 3n)

40-Zr-94

Cross Section

-100.0 To 4.448 %



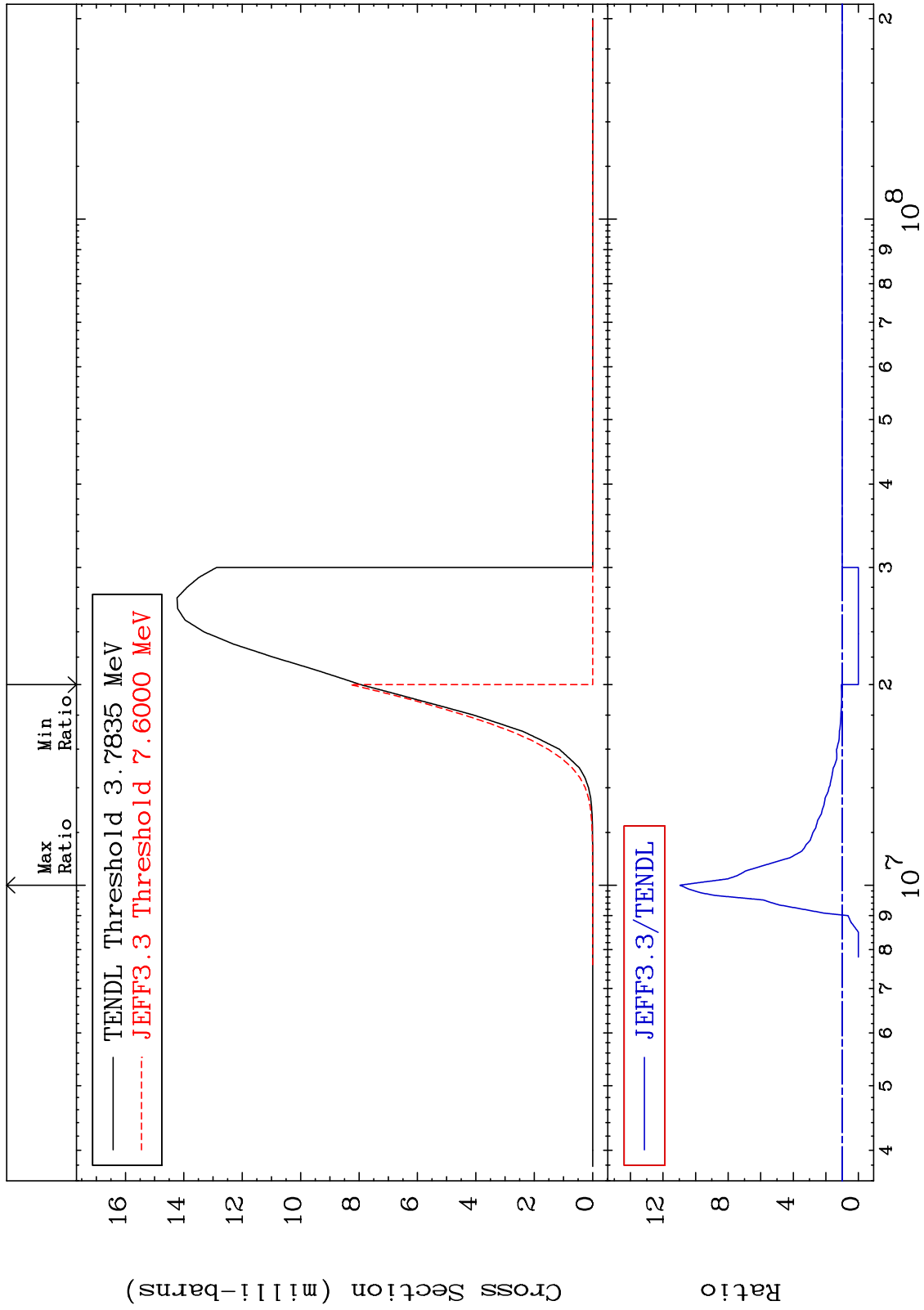
MAT 4037

(n, n') α

40-Zr-94

-100.0 To 995.7 %

Cross Section



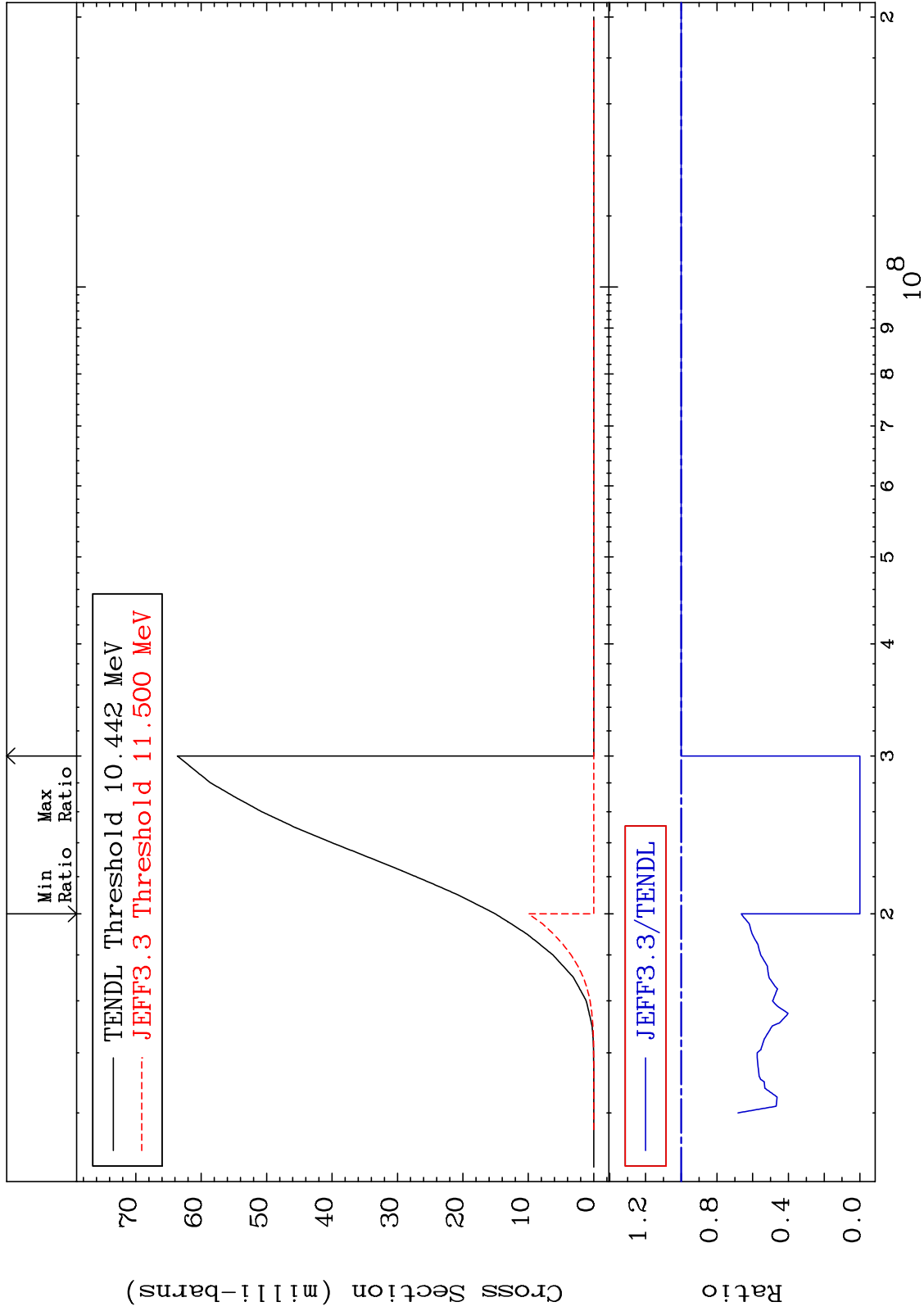
MAT 4037

(n,n') p

40-Zr-94

Cross Section

-100.0 To 0.000 %



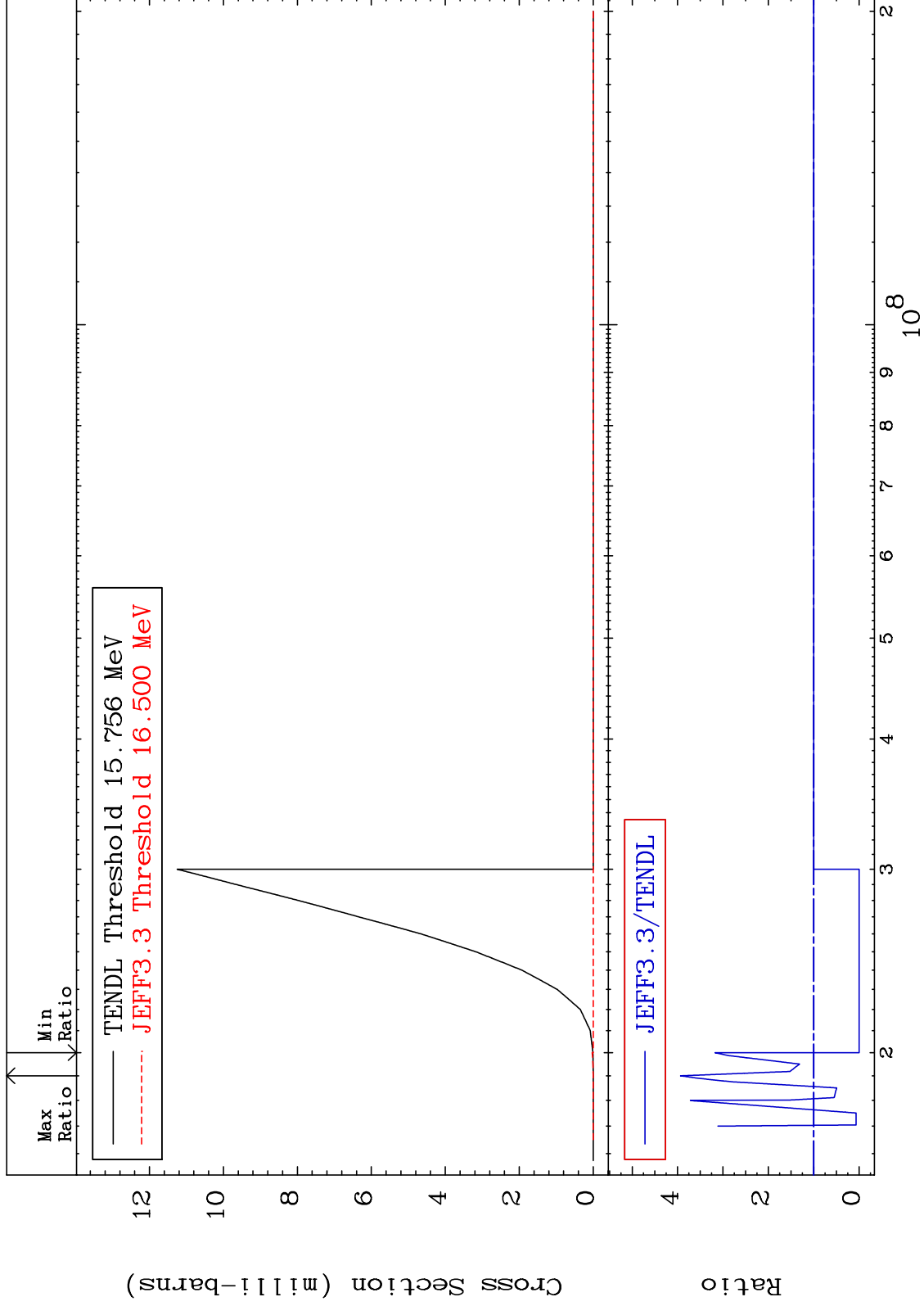
MAT 4037

(n, n') d

40-Zr-94

Cross Section

-100.0 To 293.3 %



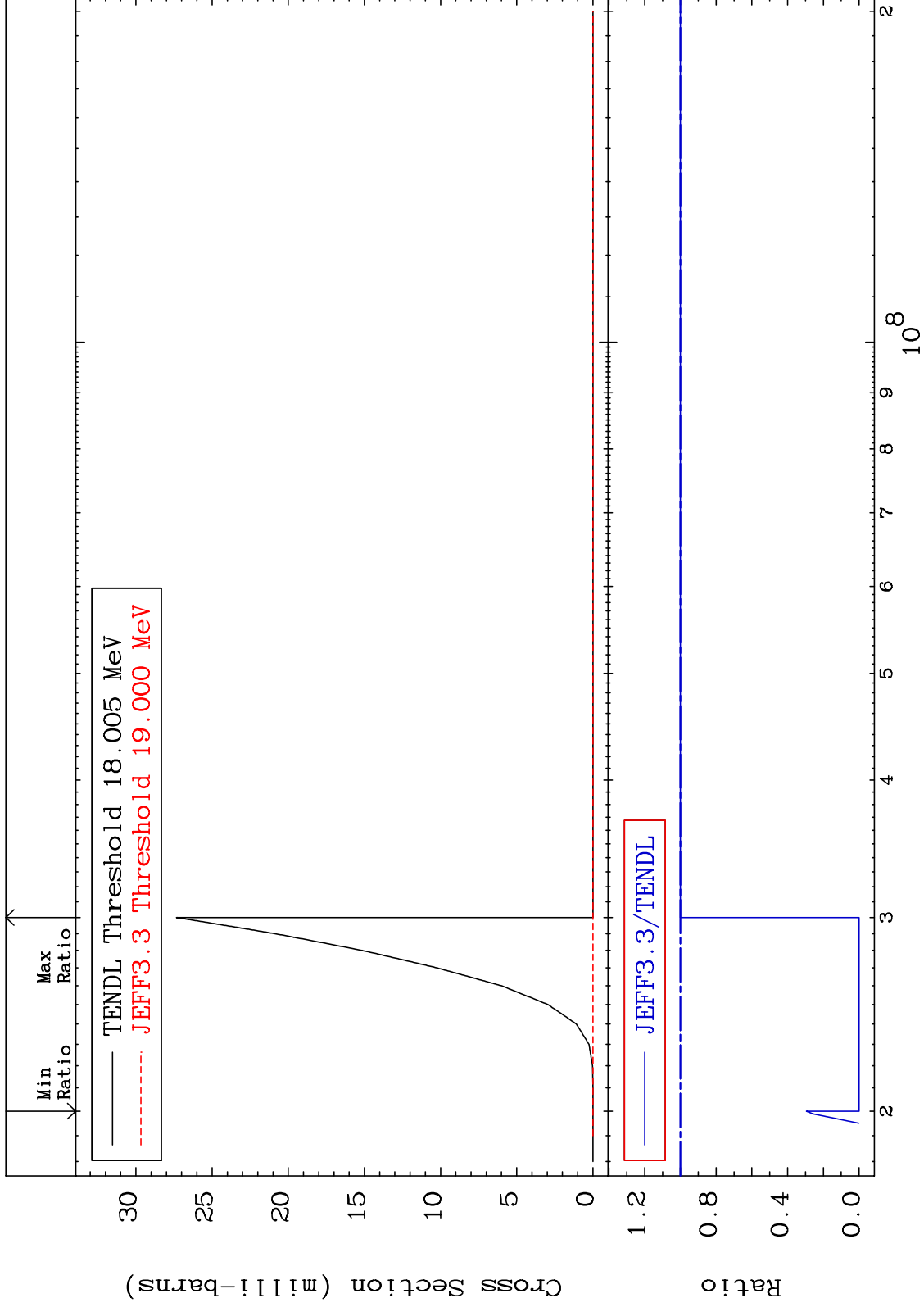
MAT 4037

(n,2n) p

40-Zr-94

Cross Section

-100.0 To 0.000 %



10

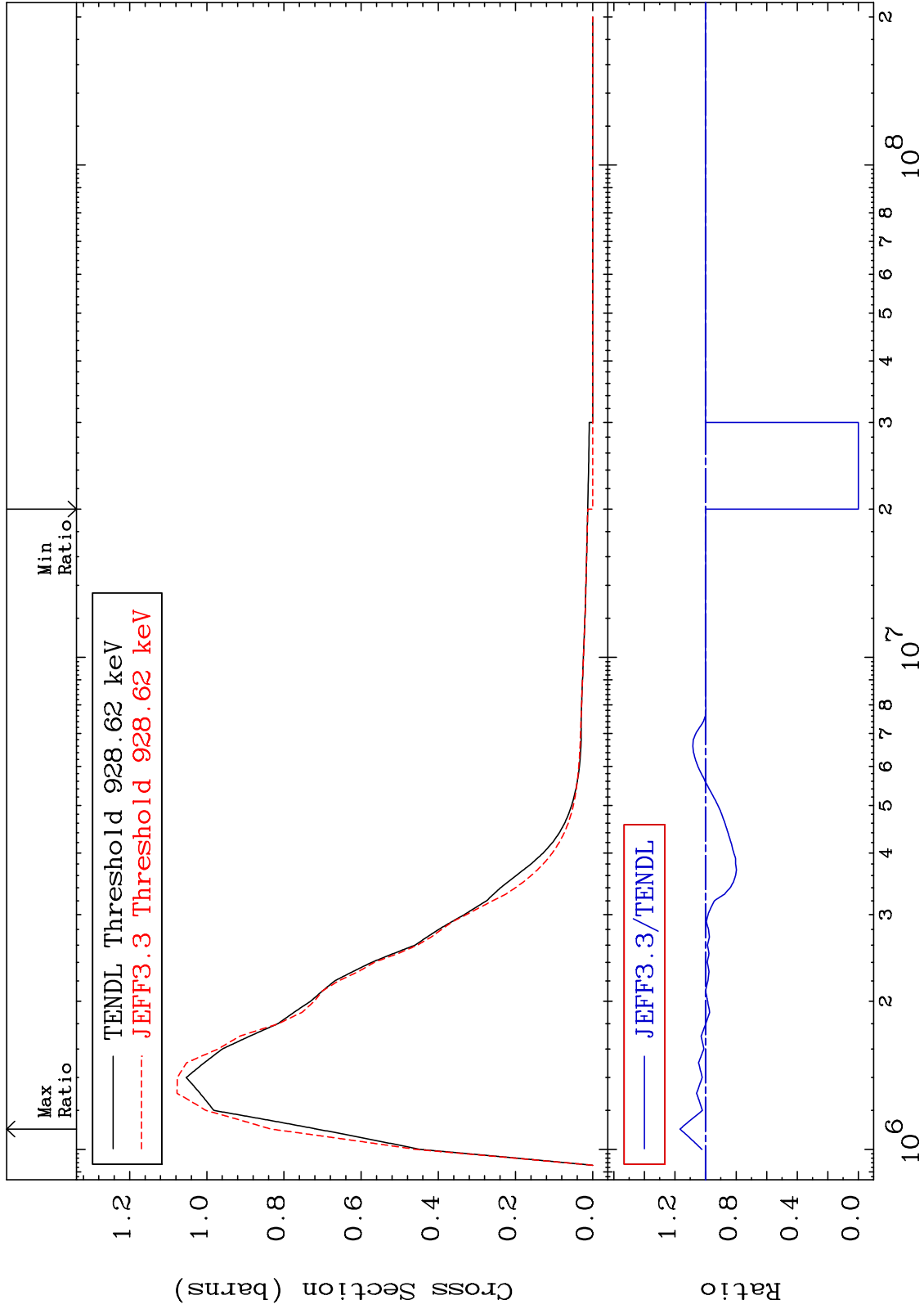
Incident Energy (eV)

40-Zr-94

MAT 4037

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

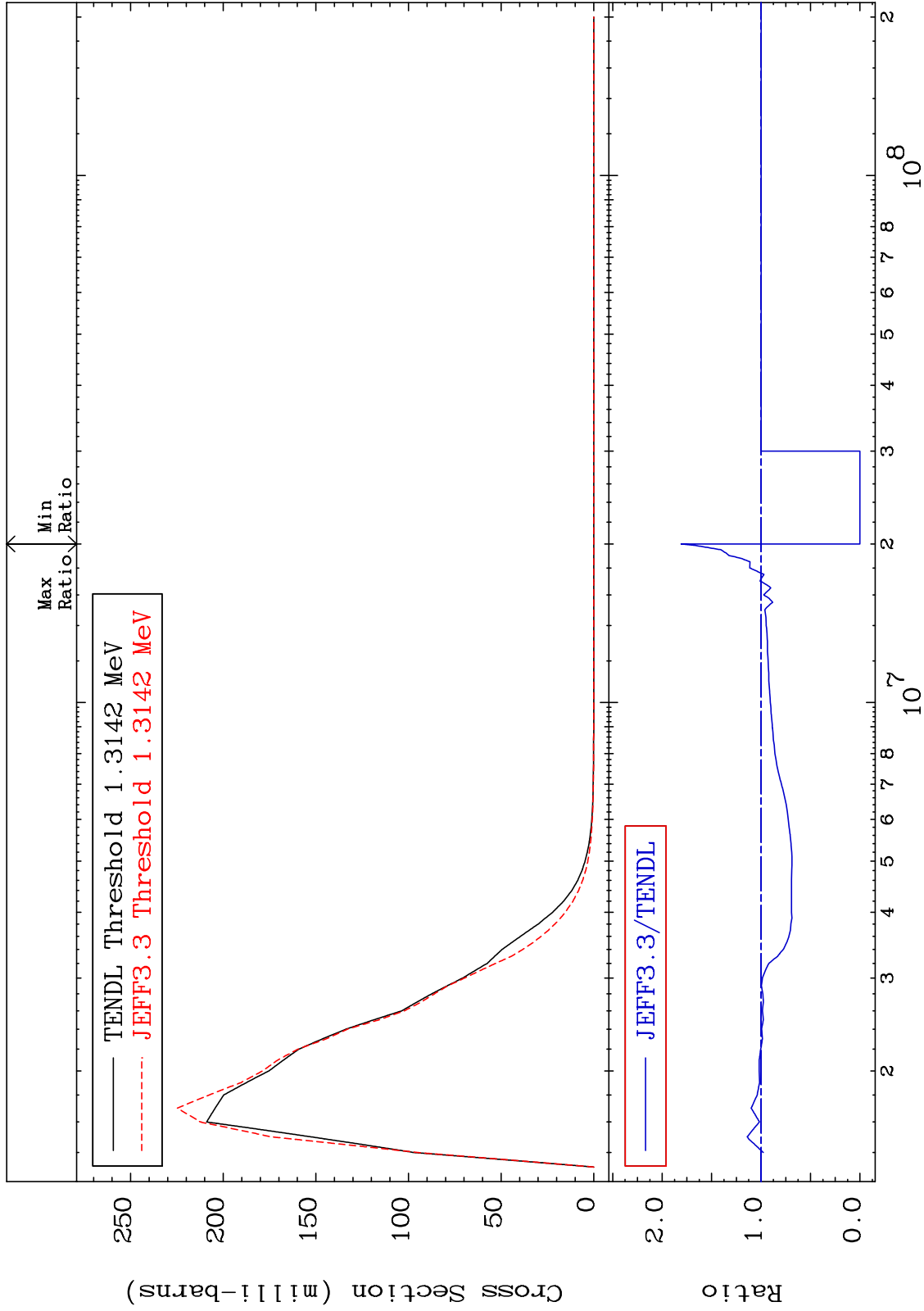
40-Zr-94
-100.0 To 16.70 %



MAT 4037

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

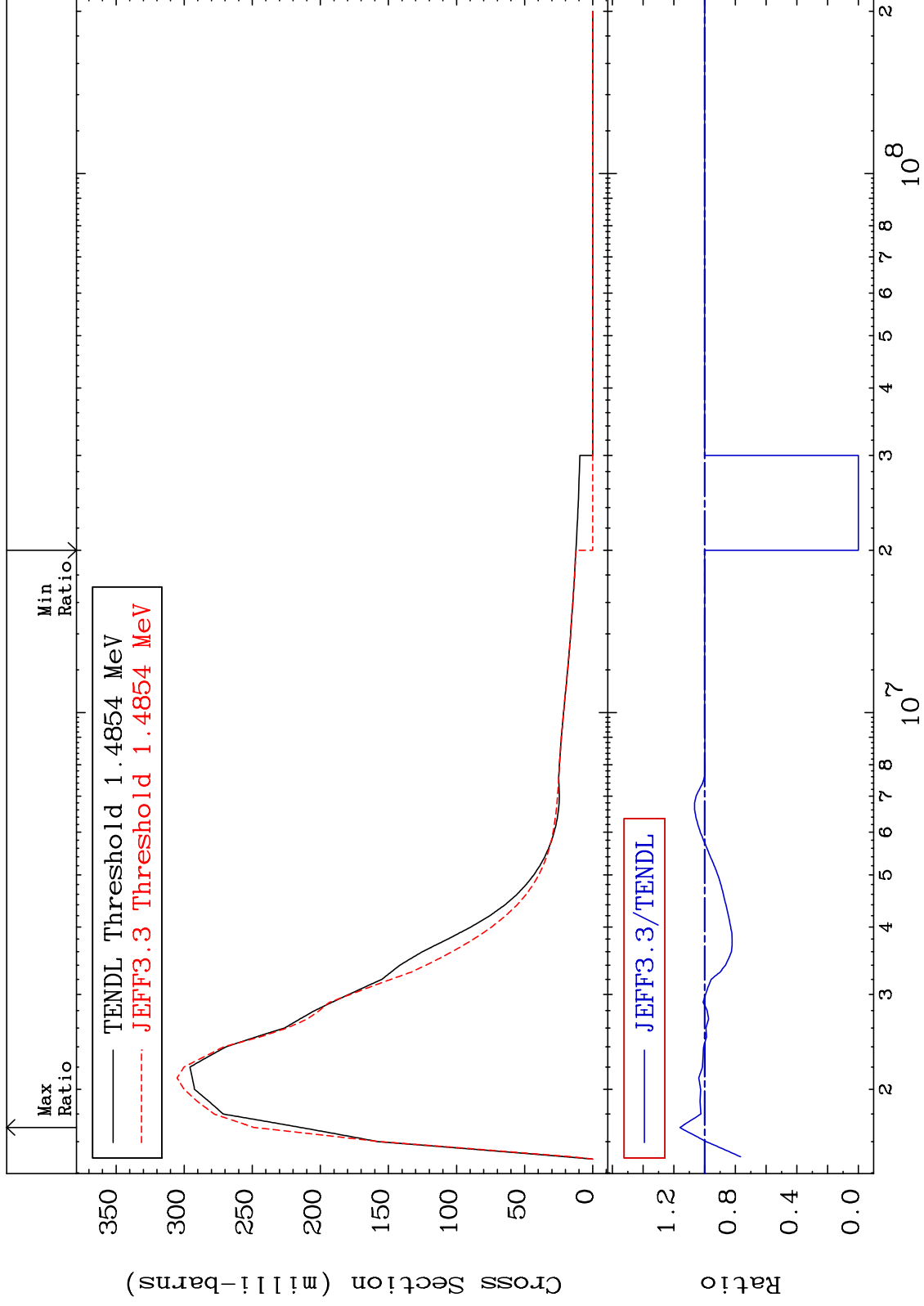
40-Zr-94
-100.0 To 80.73 %



MAT 4037

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

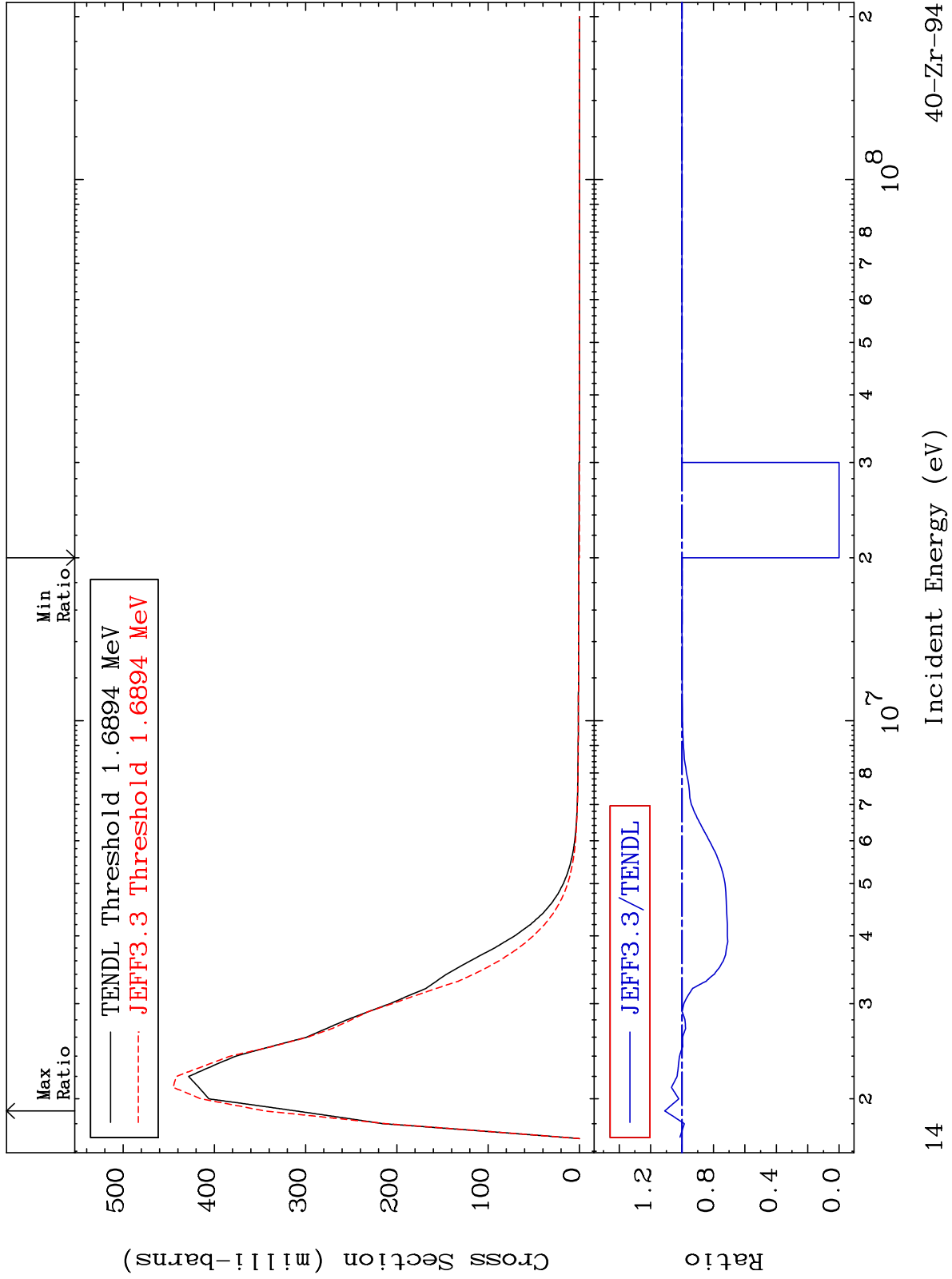
40-Zr-94
-100.0 To 16.01 %

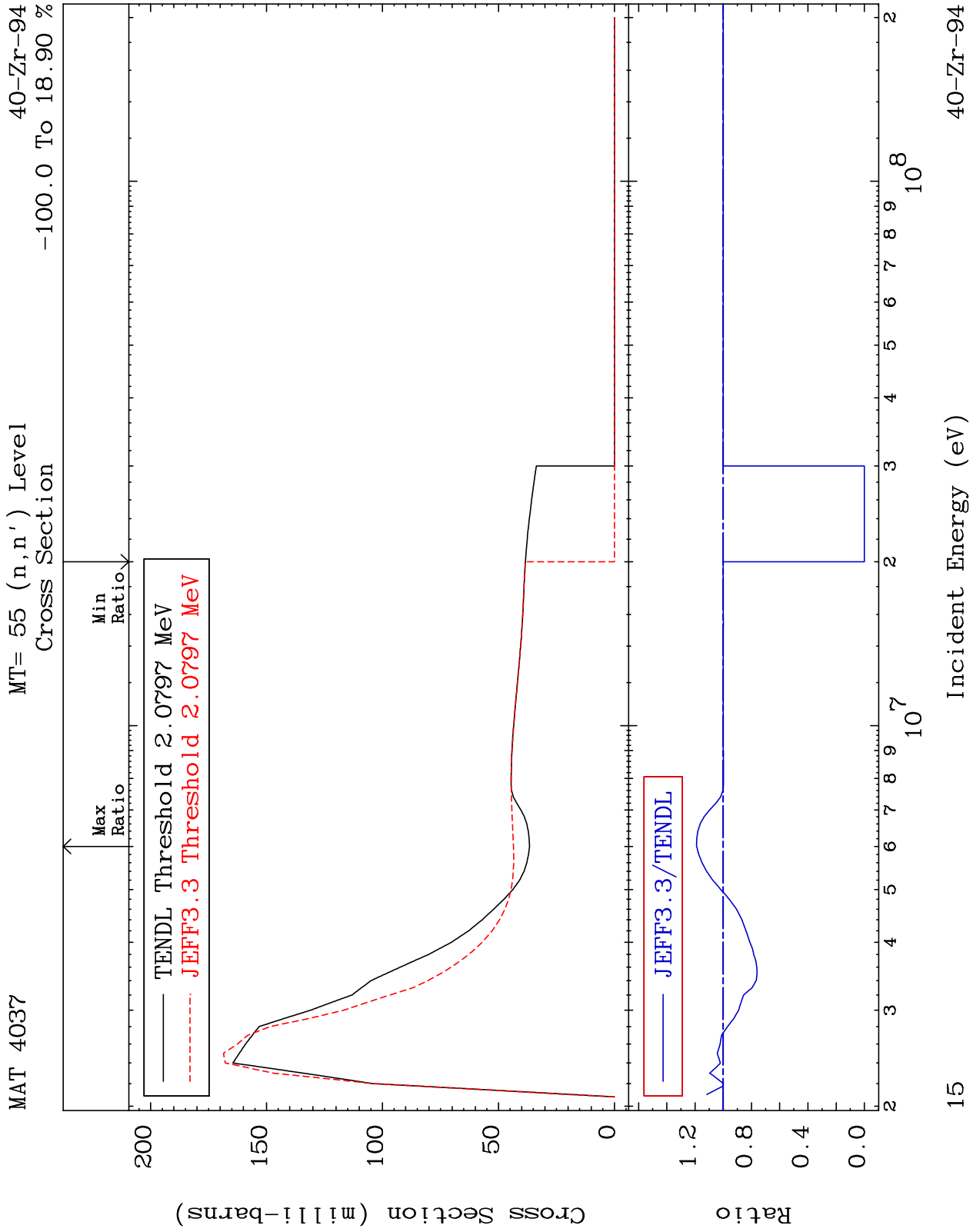


MAT 4037

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

40-Zr-94
-100.0 To 11.02 %

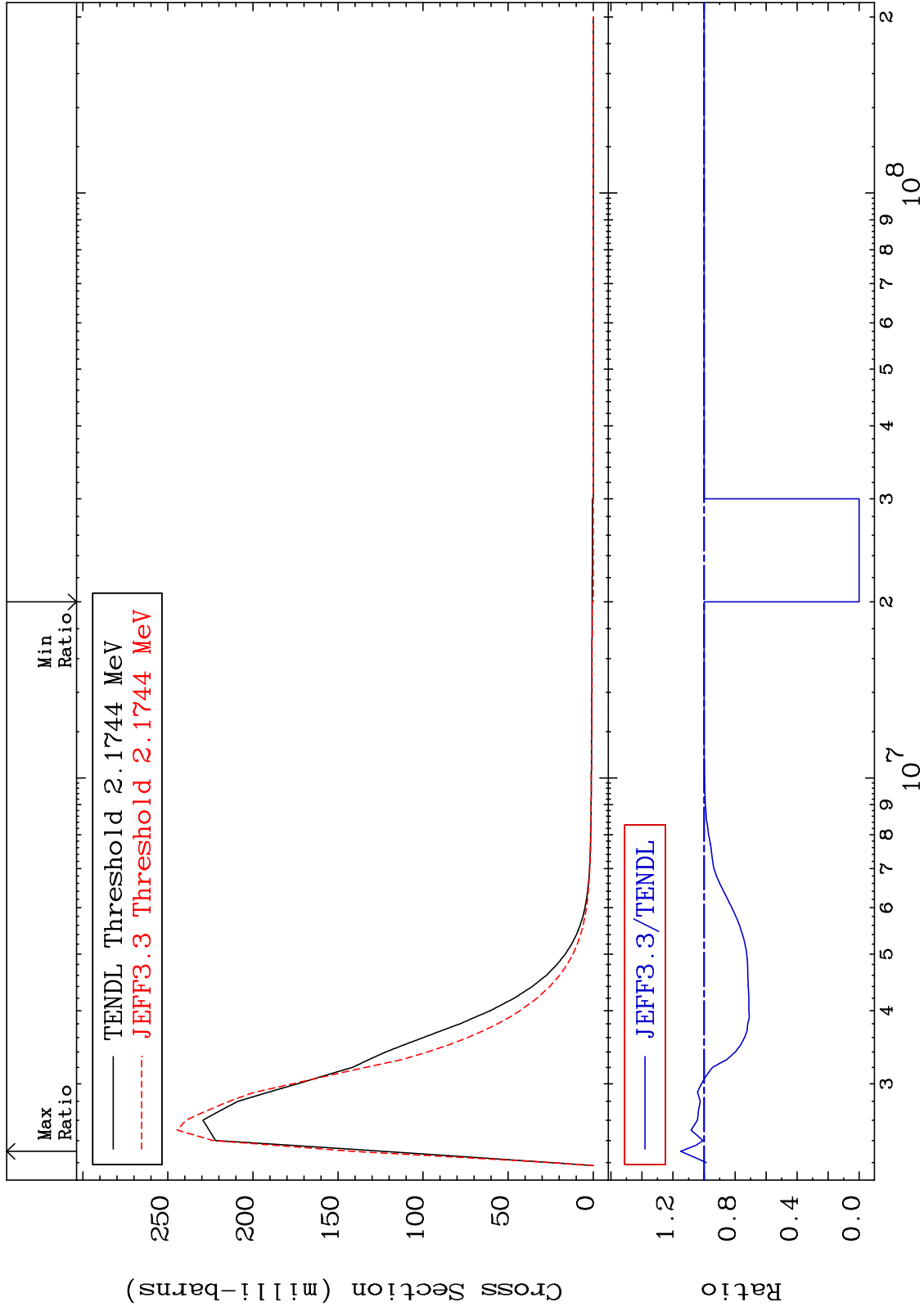




MAT 4037

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

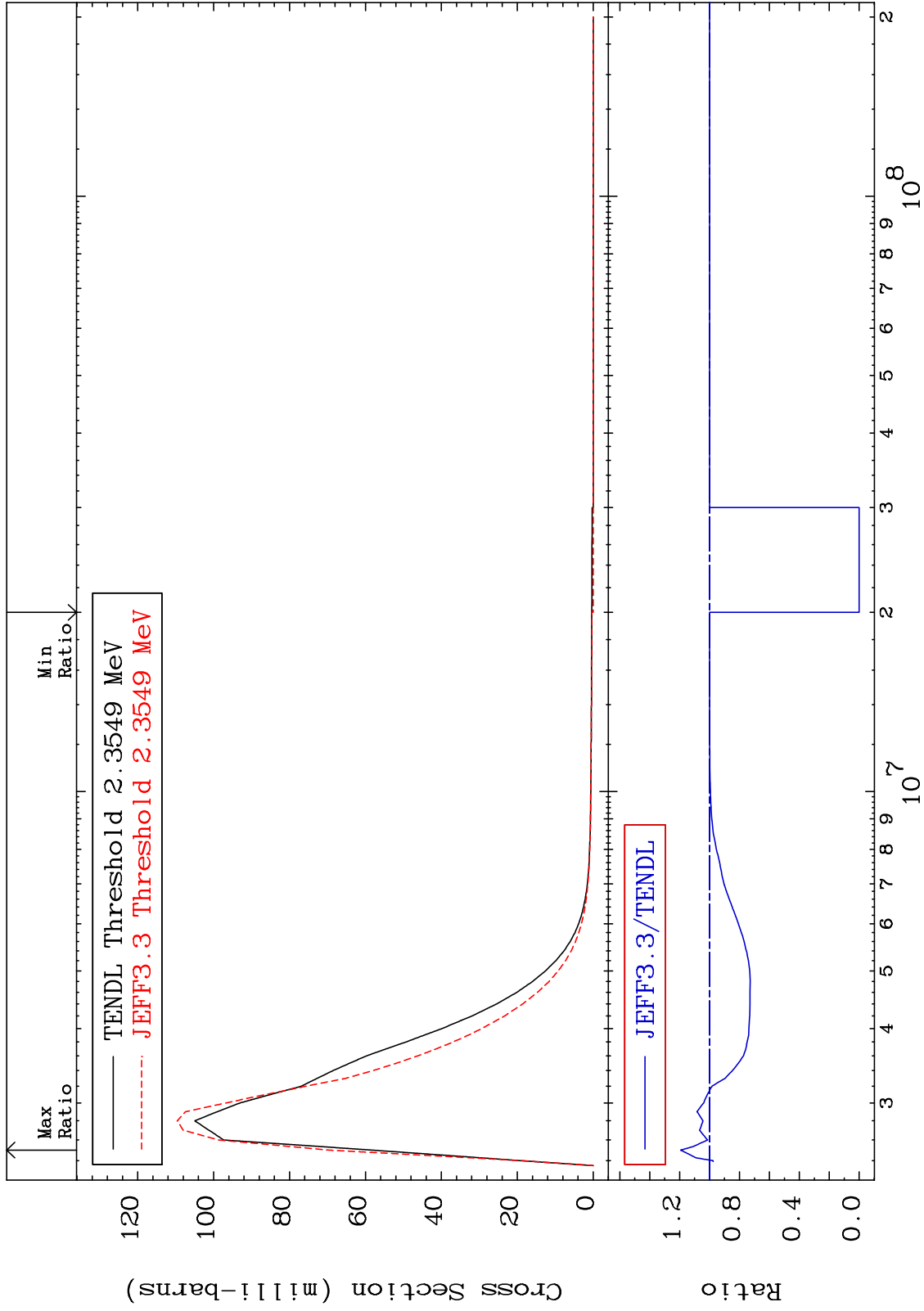
40-Zr-94
-100.0 To 15.10 %



MAT 4037

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

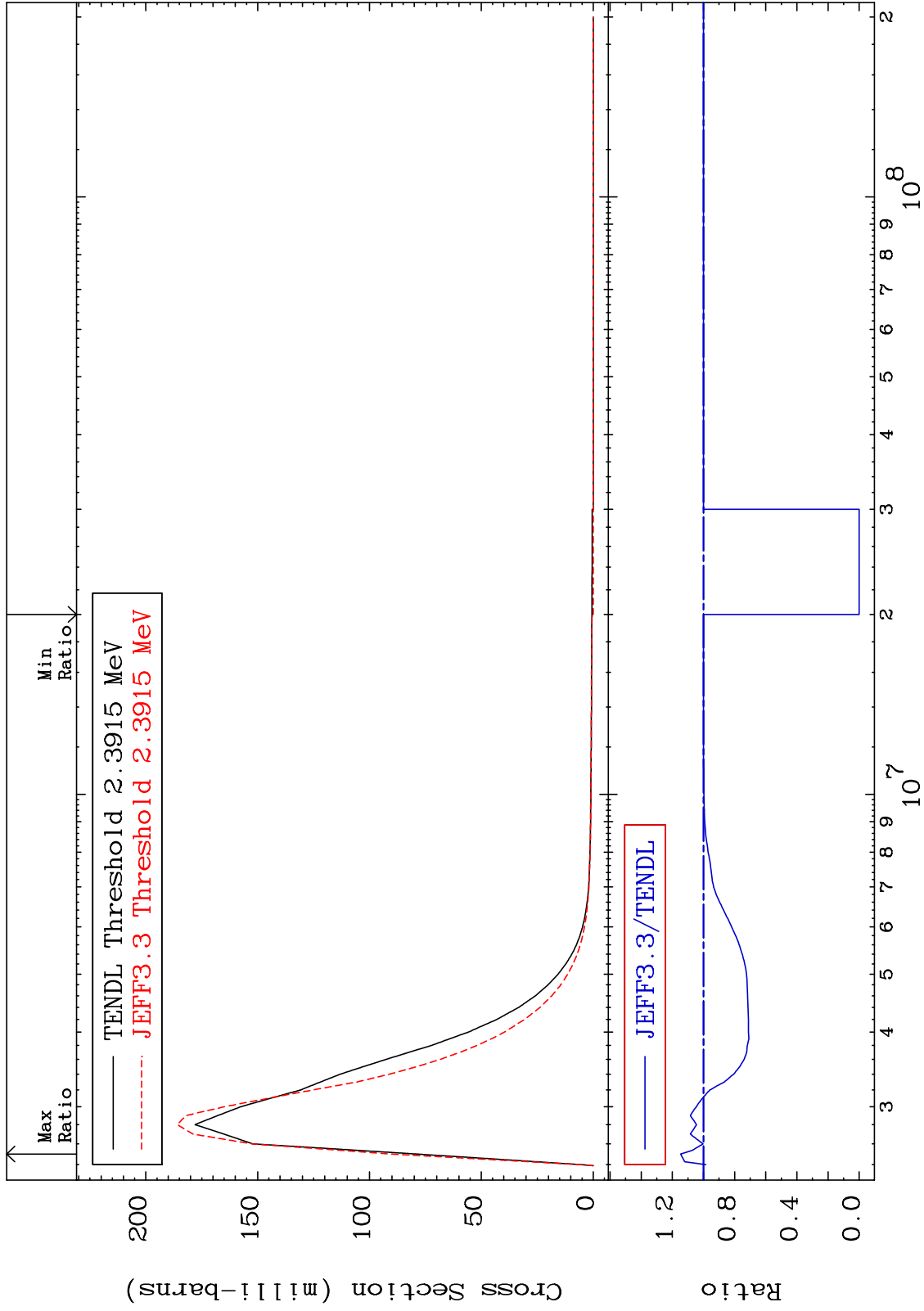
40-Zr-94
-100.0 To 19.36 %



MAT 4037

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

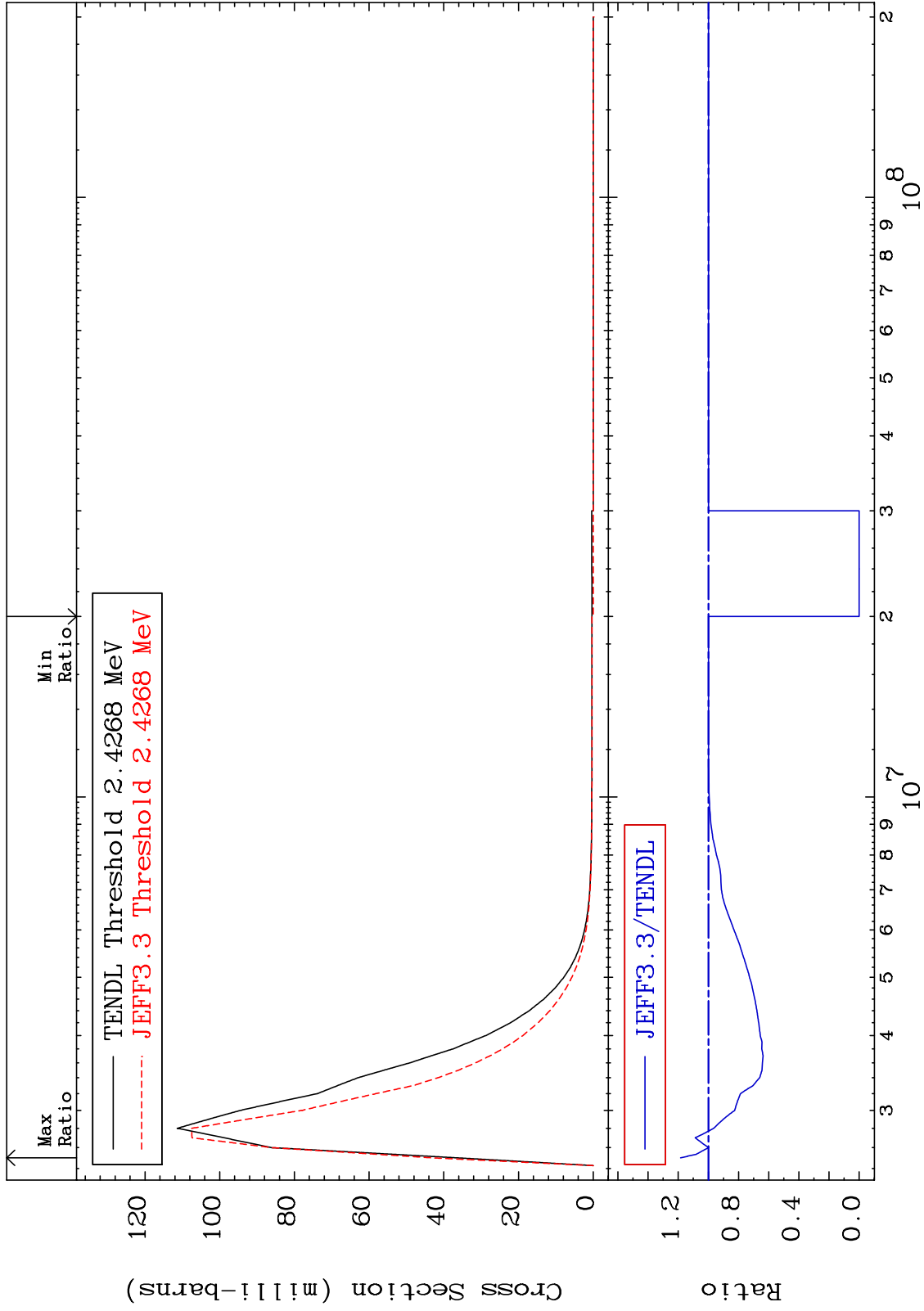
40-Zr-94
-100.0 To 14.66 %



MAT 4037

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

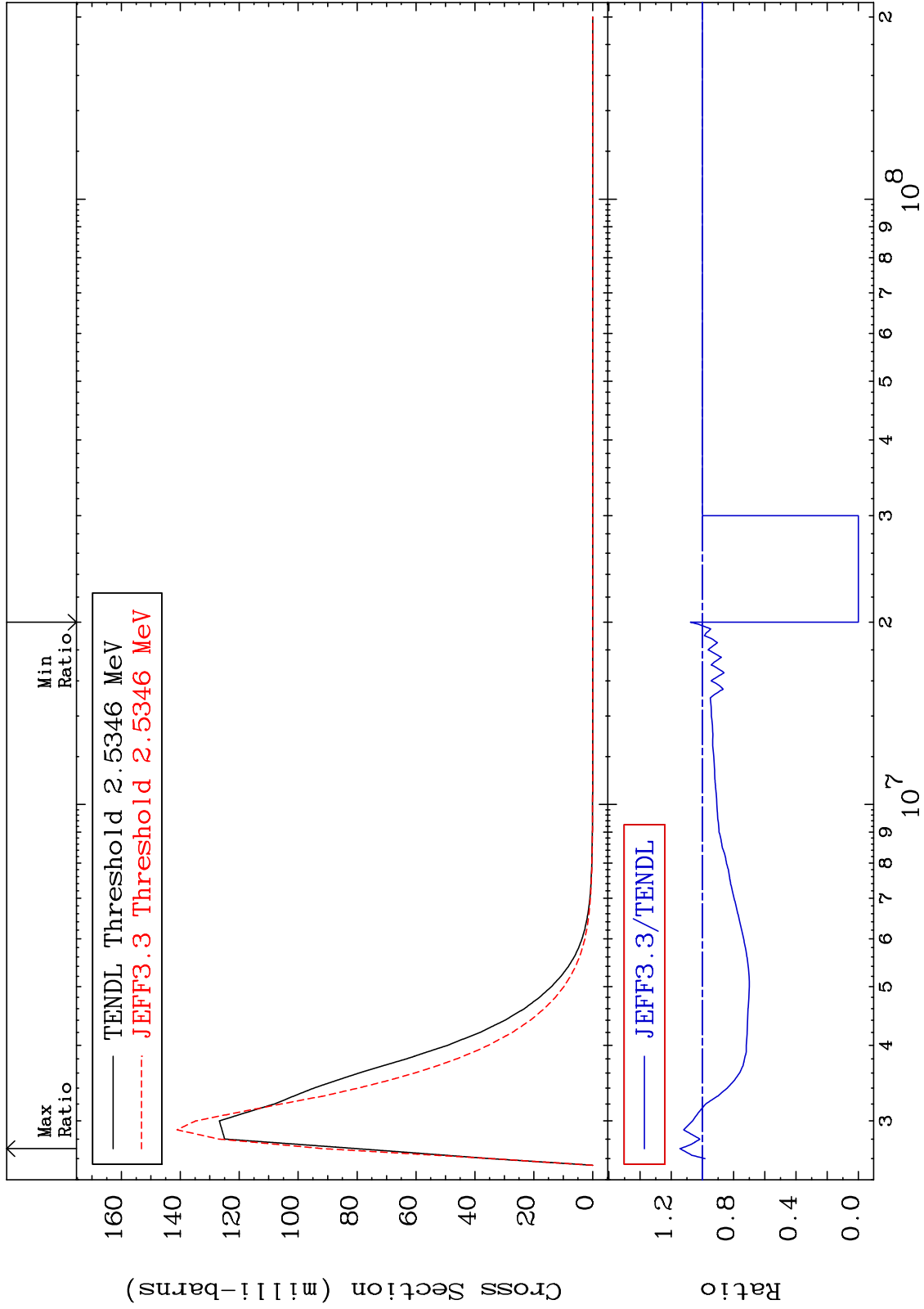
40-Zr-94
-100.0 To 18.41 %



MAT 4037

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

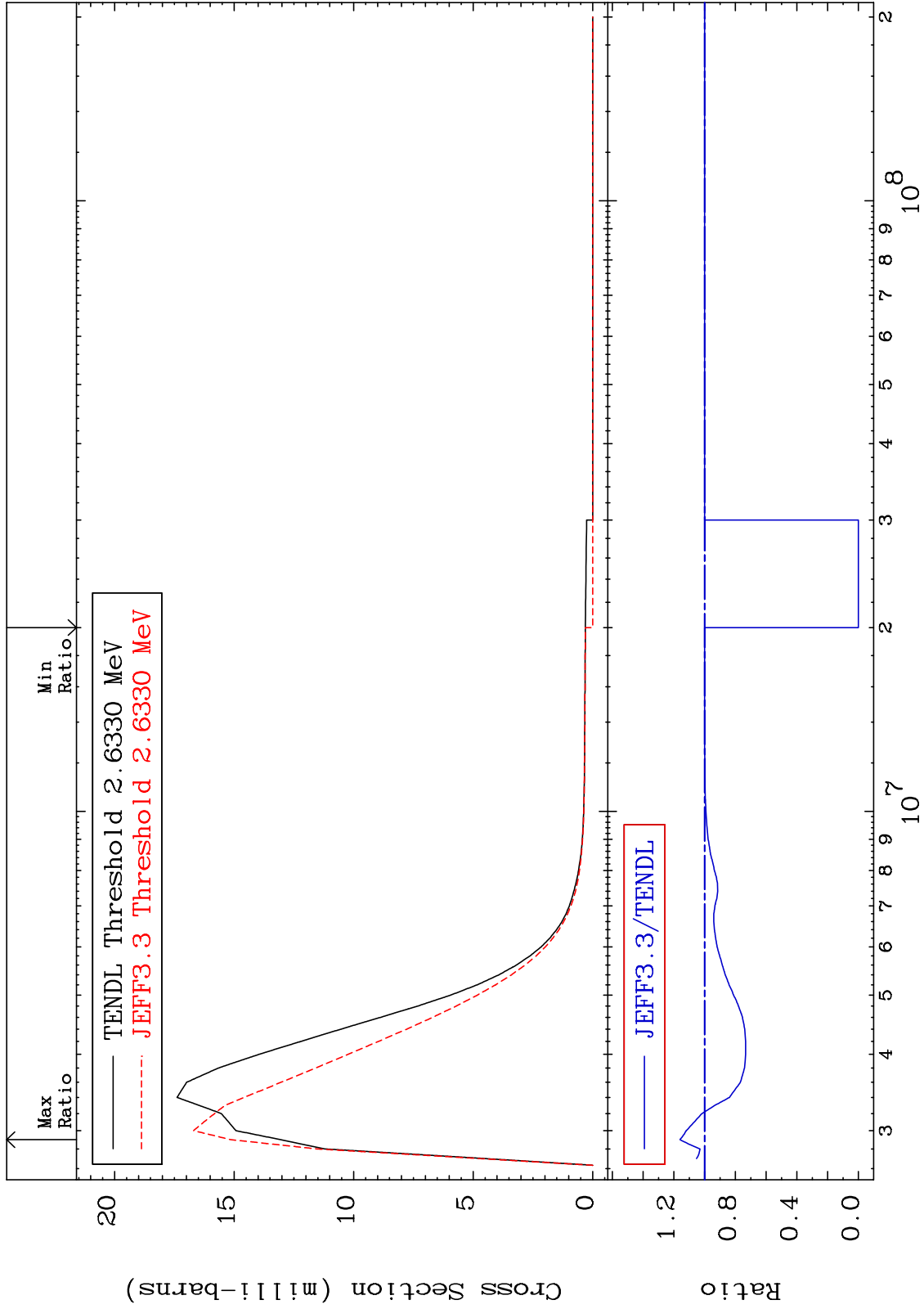
40-Zr-94
-100.0 To 14.39 %



MAT 4037

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

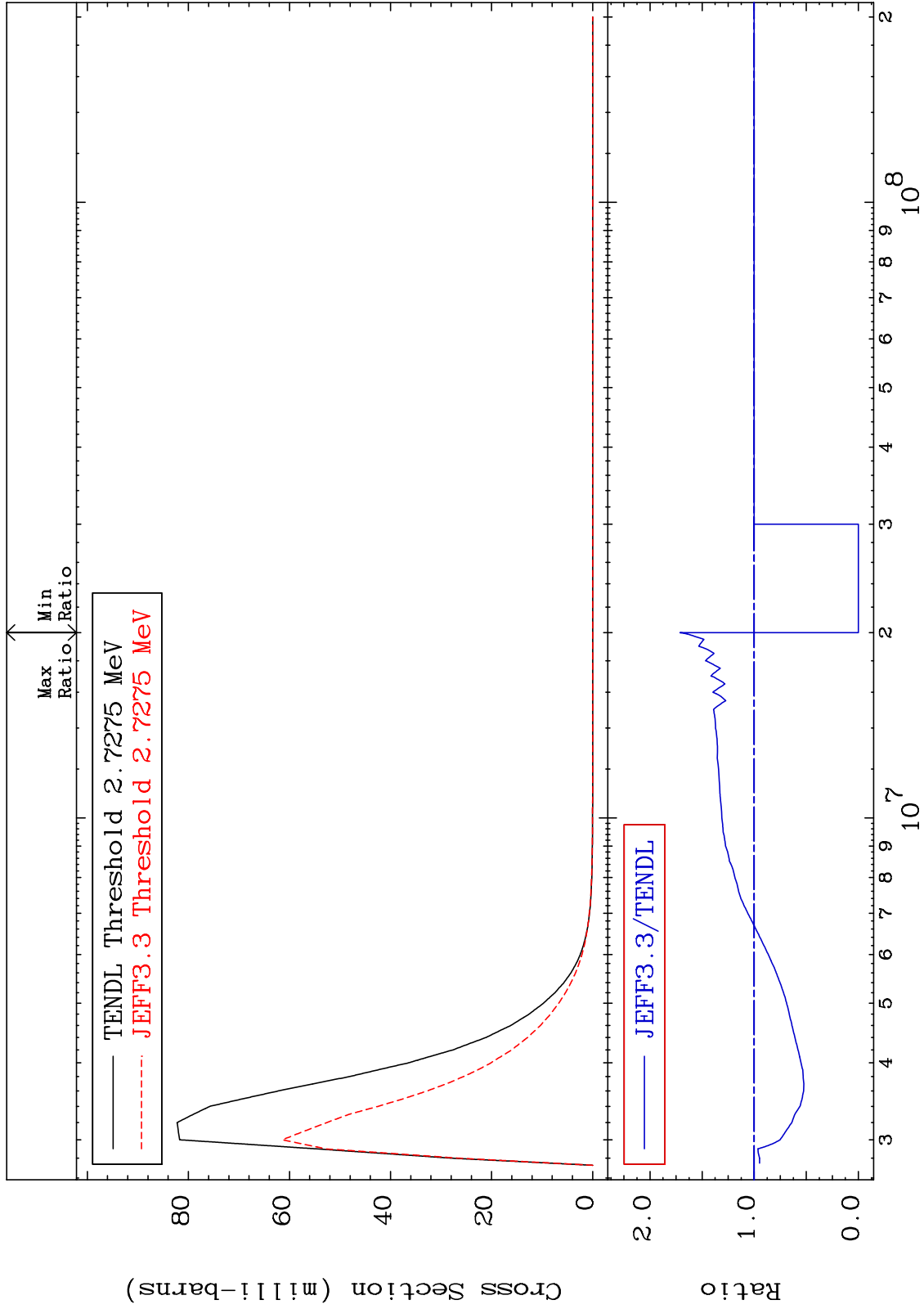
40-Zr-94
-100.0 To 15.99 %



MAT 4037

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

40-Zr-94
-100.0 To 71.19 %



22

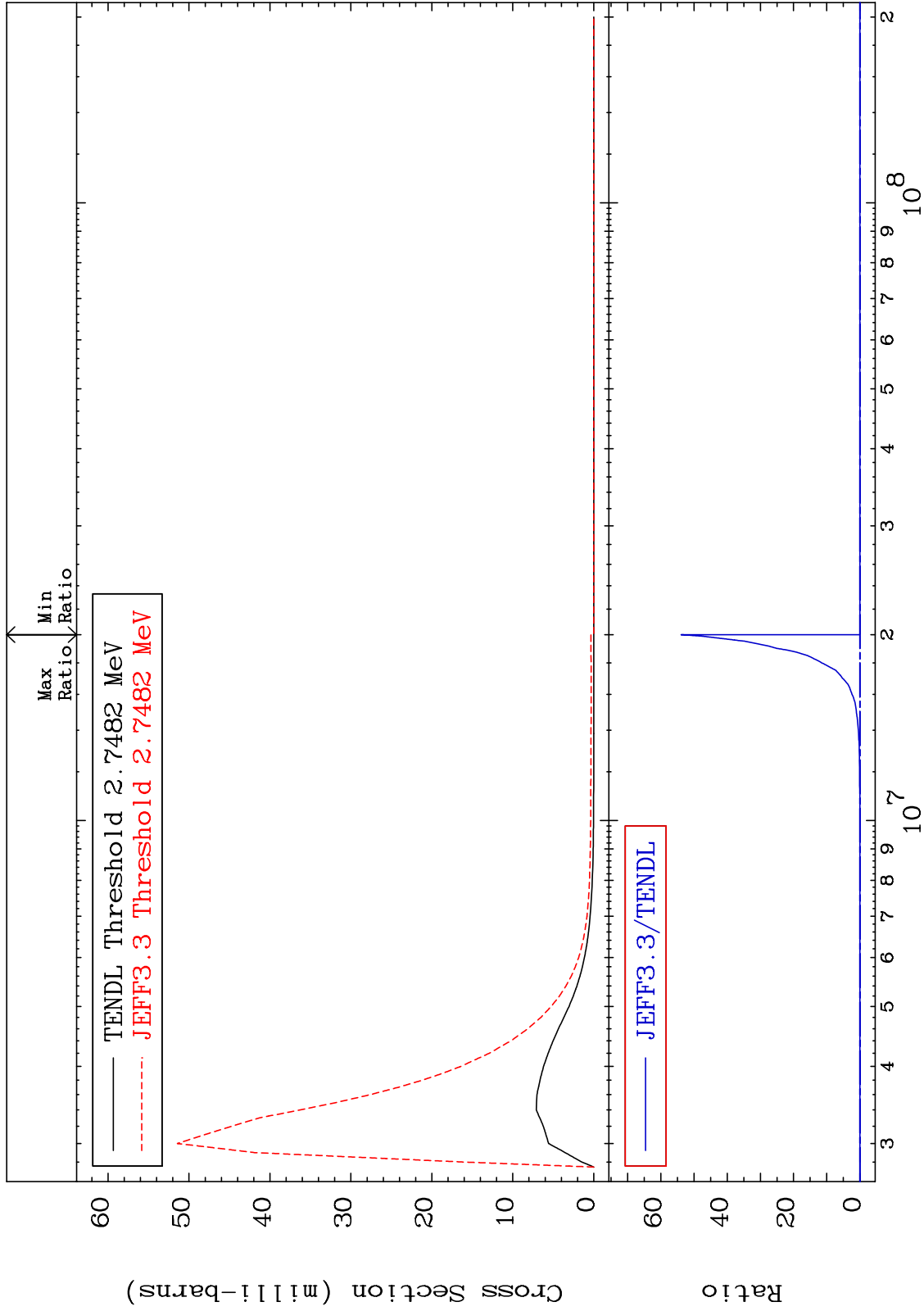
Incident Energy (eV)

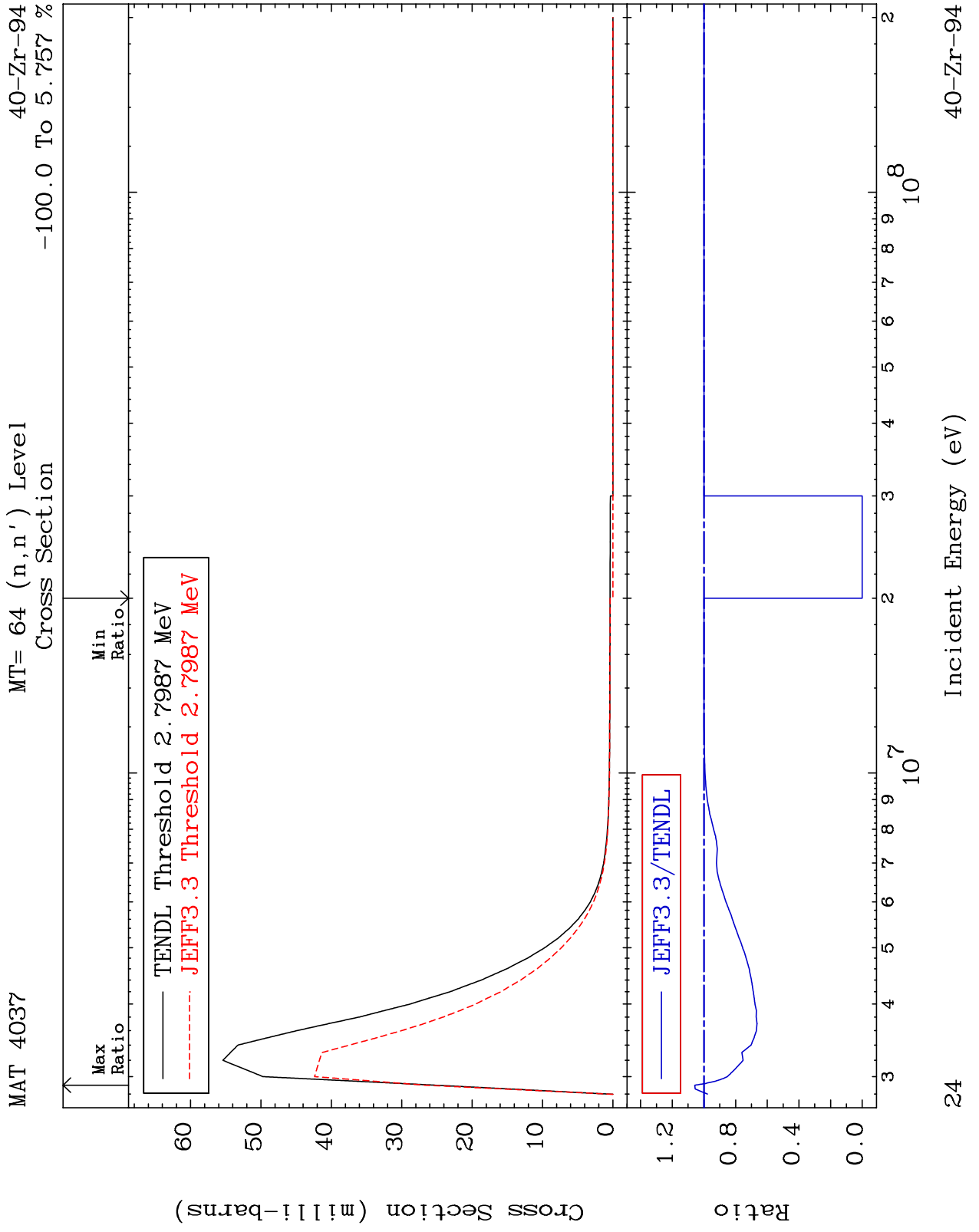
40-Zr-94

MAT 4037

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

40-Zr-94
-100.0 To 9999. %





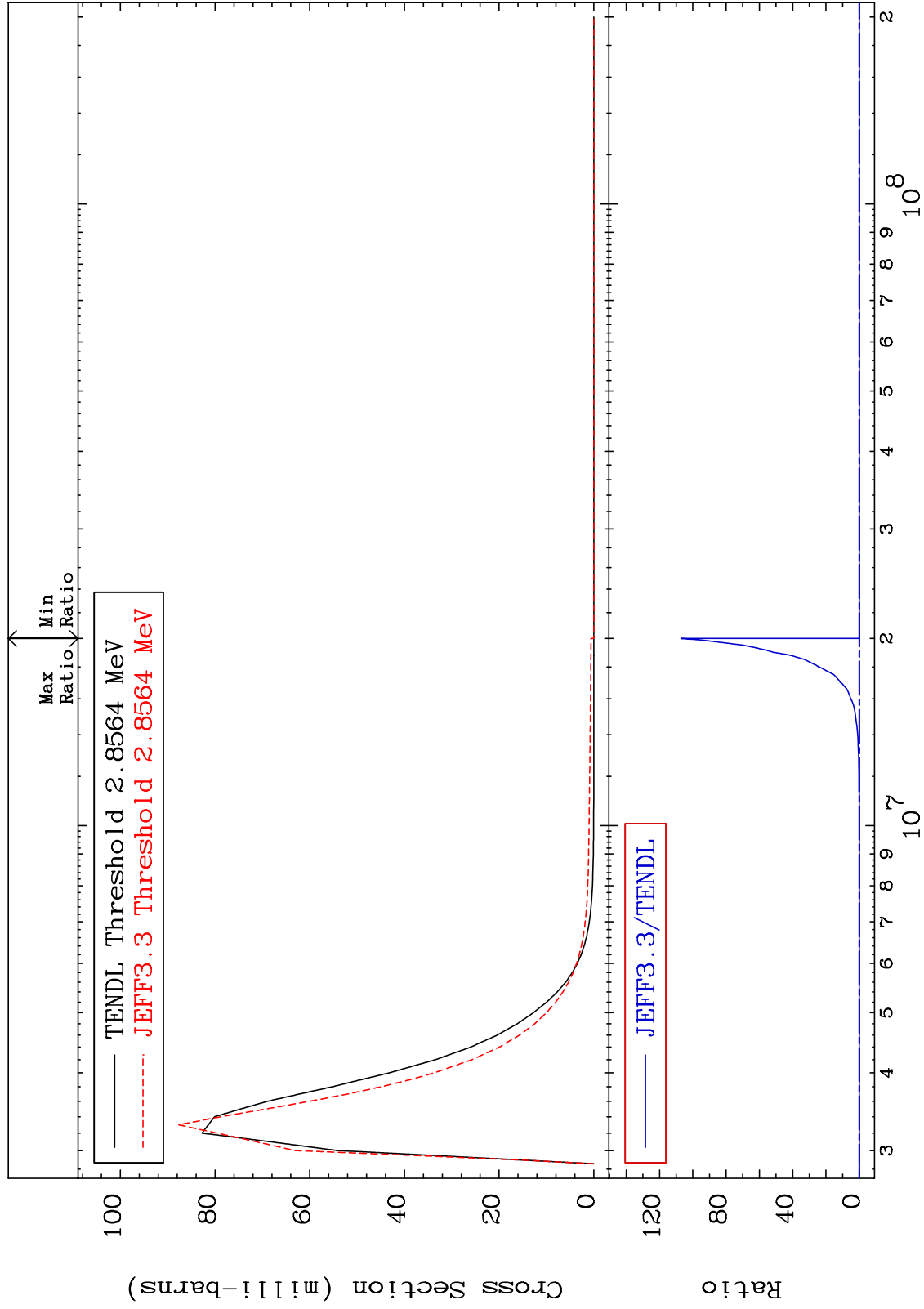
MAT 4037

MT= 65 (n,n') Level

40-Zr-94

-100.0 To 9999. %

Cross Section



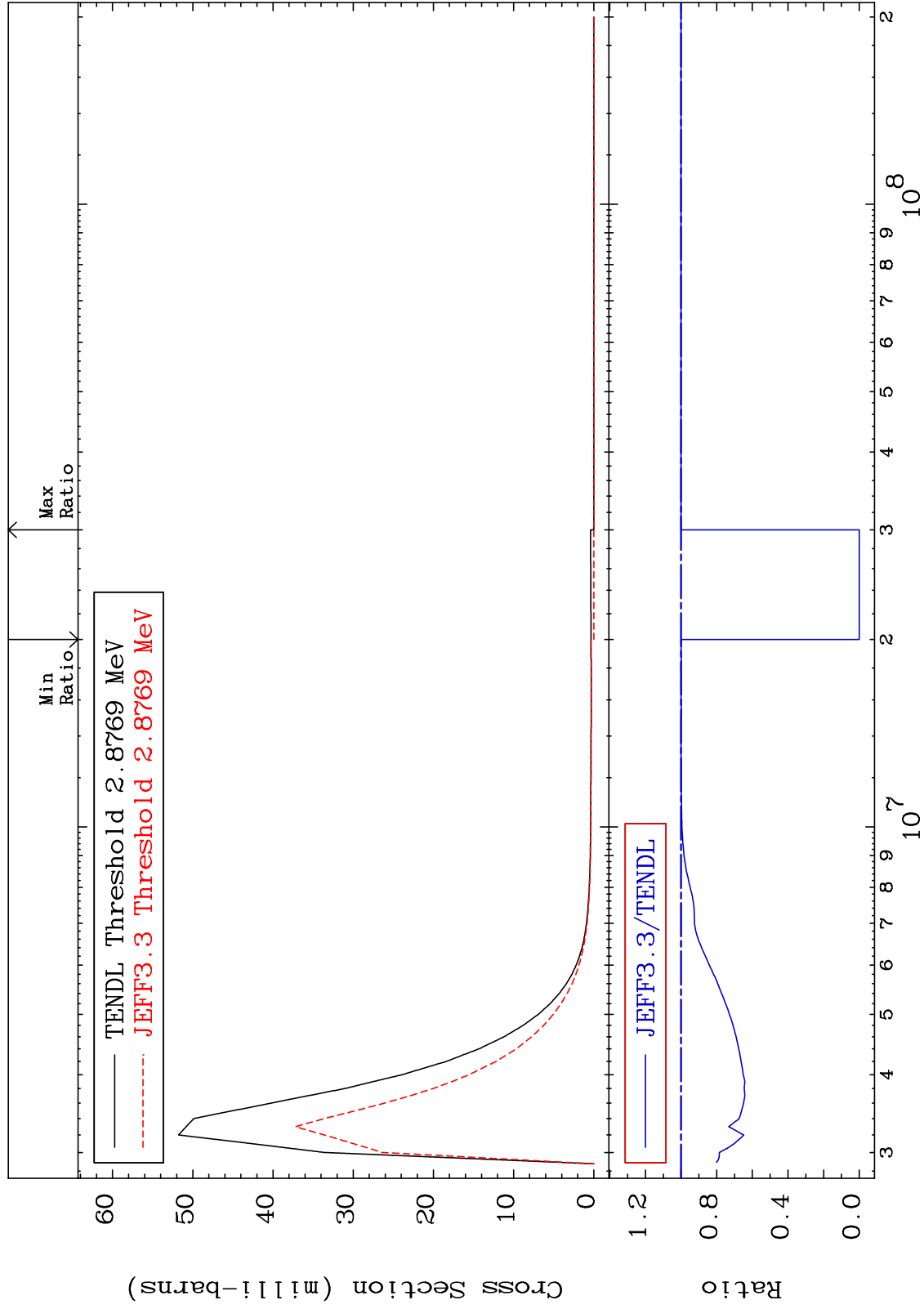
MAT 4037

MT= 66 (n,n') Level

40-Zr-94

-100.0 To 0.000 %

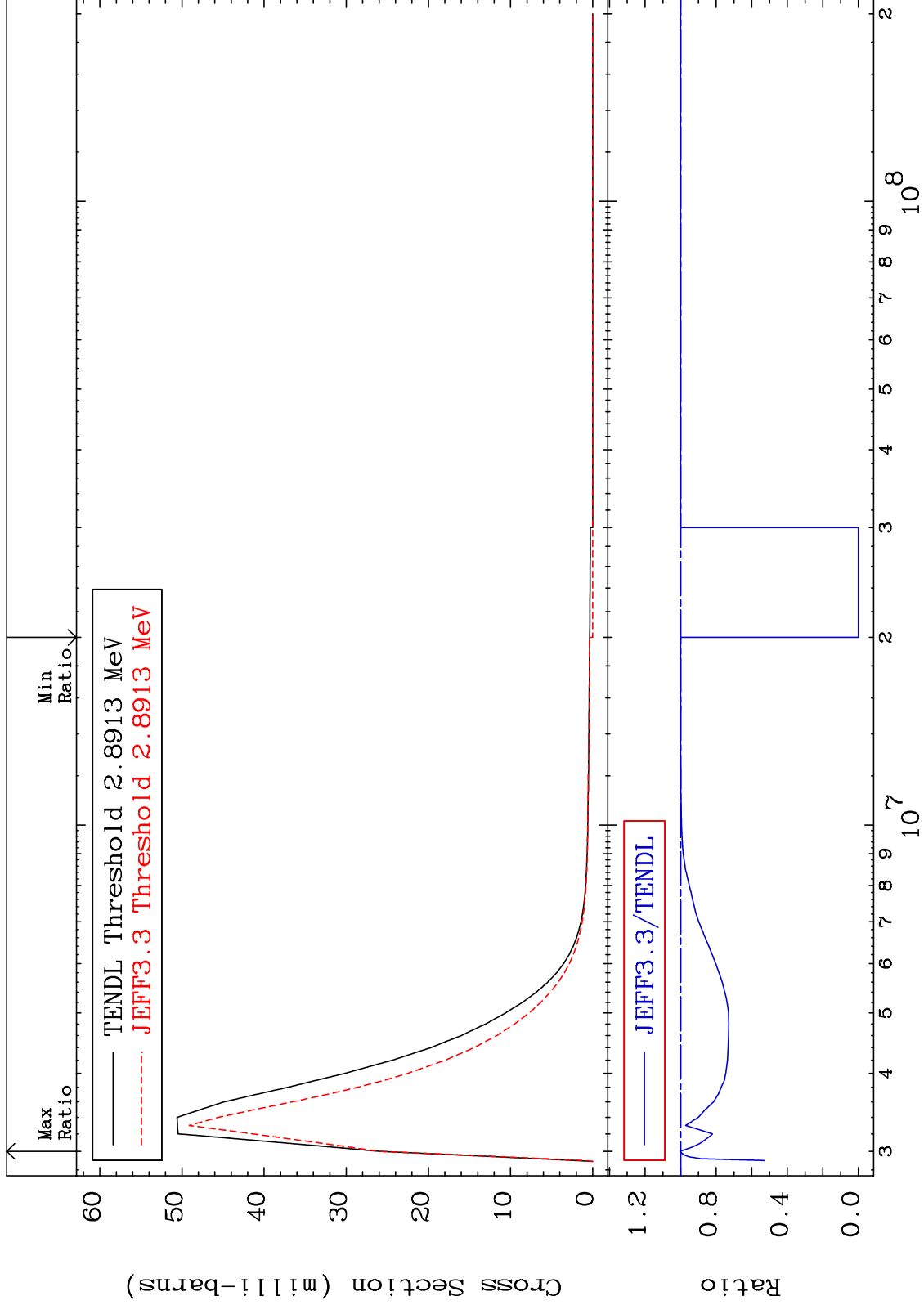
Cross Section



MAT 4037

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

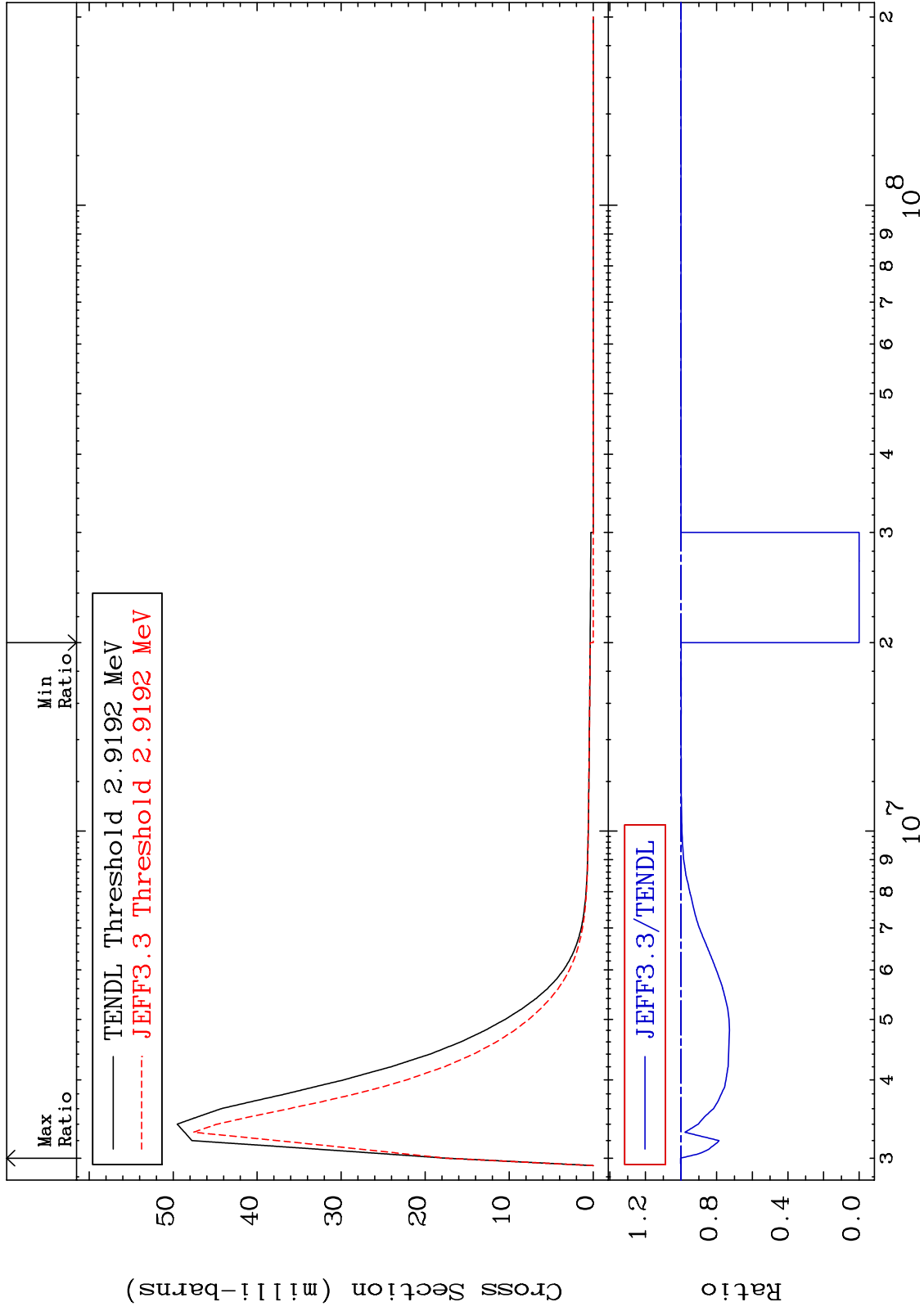
40-Zr-94
-100.0 To 0.333 %



MAT 4037

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

40-Zr-94
-100.0 To 0.242 %



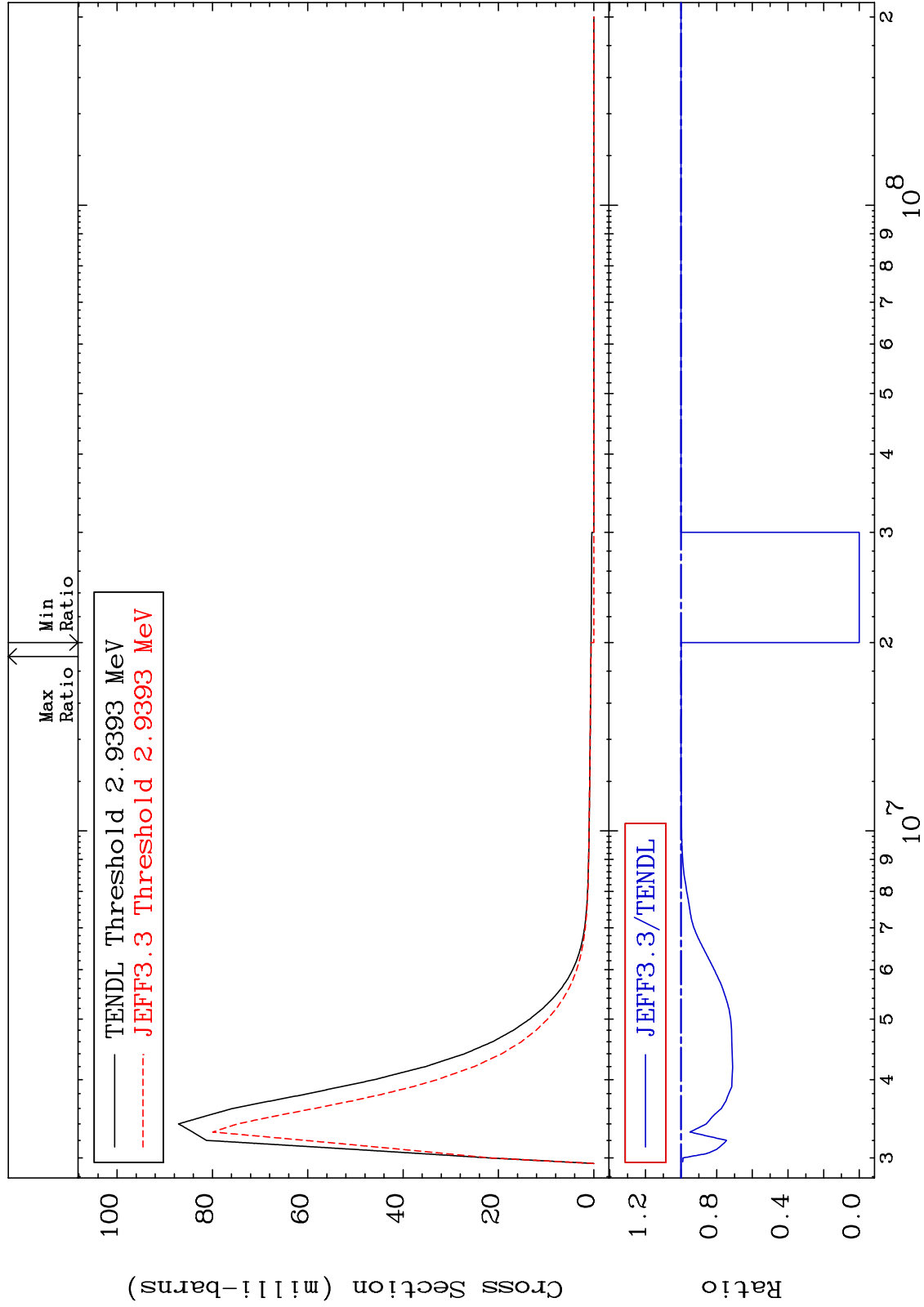
MAT 4037

MT= 69 (n,n') Level

40-Zr-94

-100.0 To 0.000 %

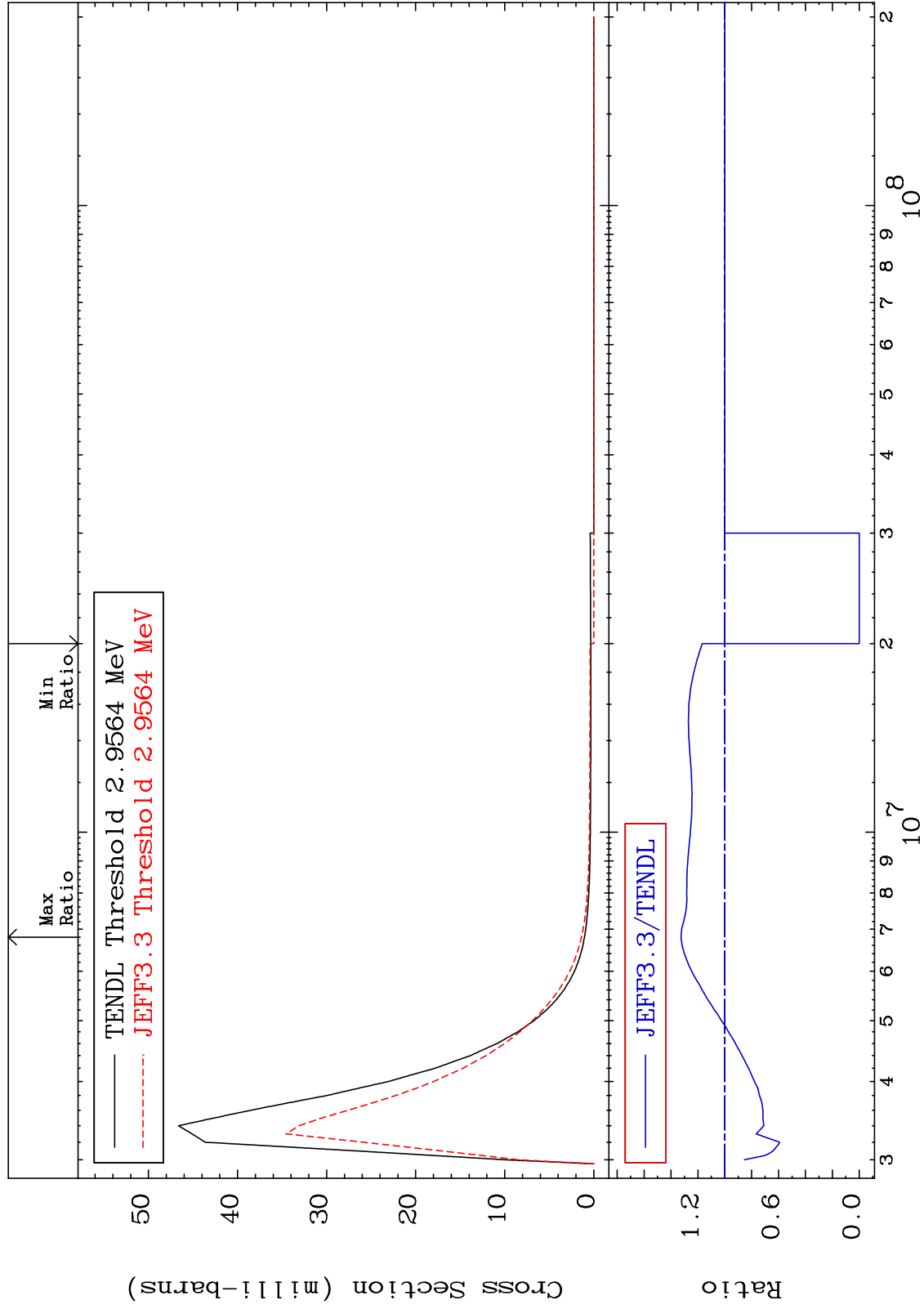
Cross Section



MAT 4037

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

40-Zr-94
-100.0 To 32.51 %



30

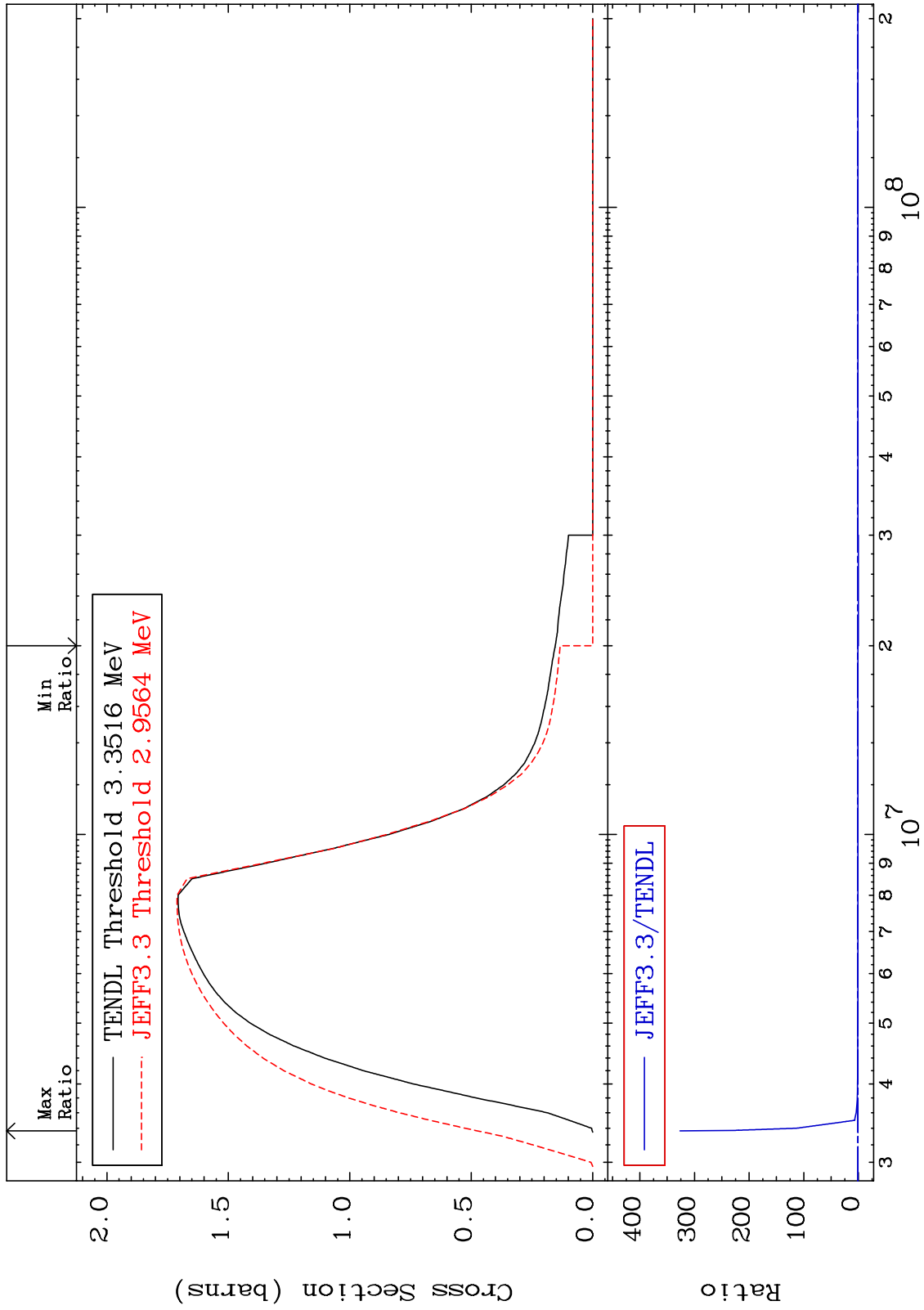
Incident Energy (eV)

40-Zr-94

MAT 4037

(n, n') Continuum
Cross Section

40-Zr-94
-100.0 To 9999. %

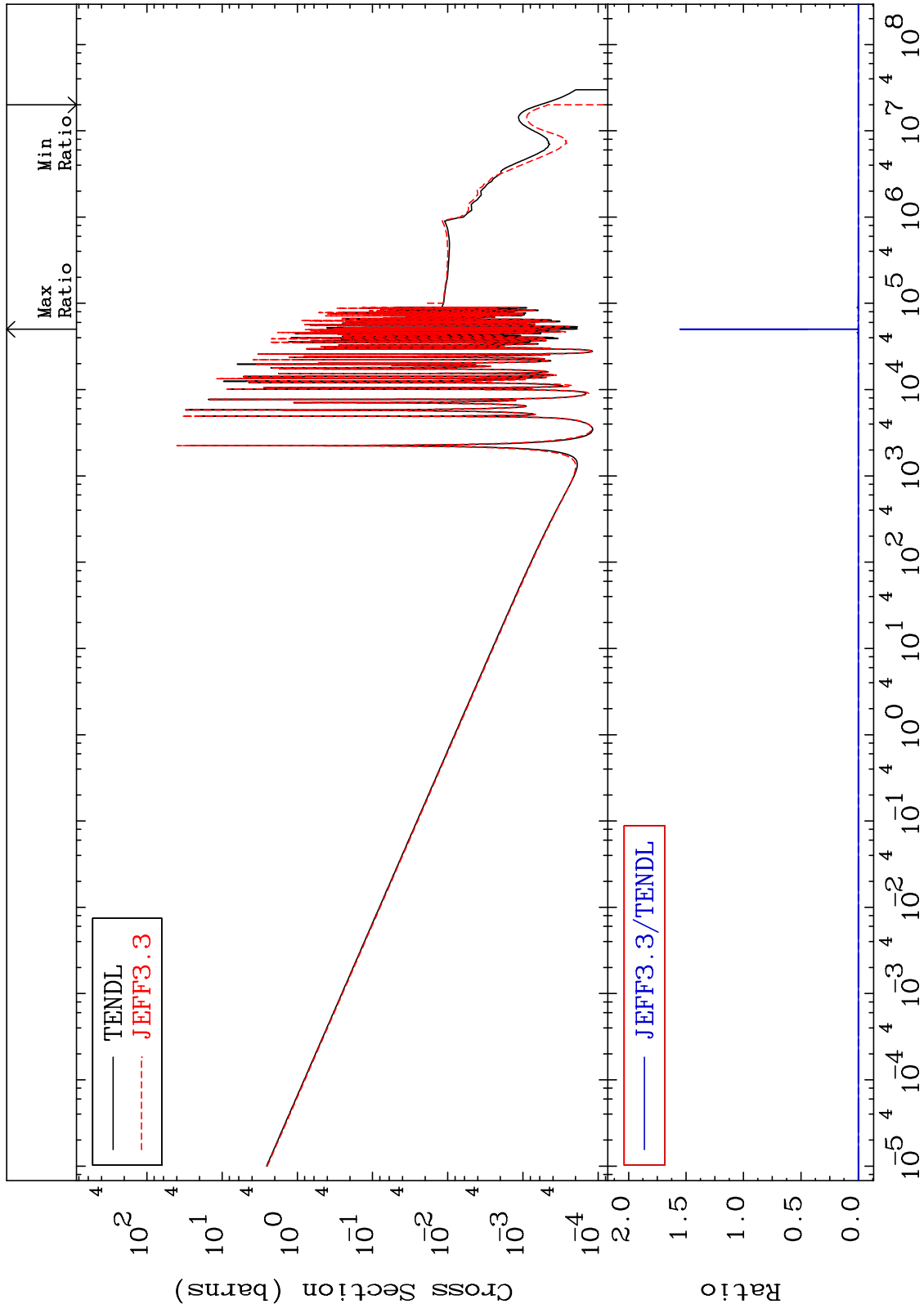


MAT 4037

(n, γ)
Cross Section

40-Zr-94

-100.0 To 9999. %



40-Zr-94

Incident Energy (eV)

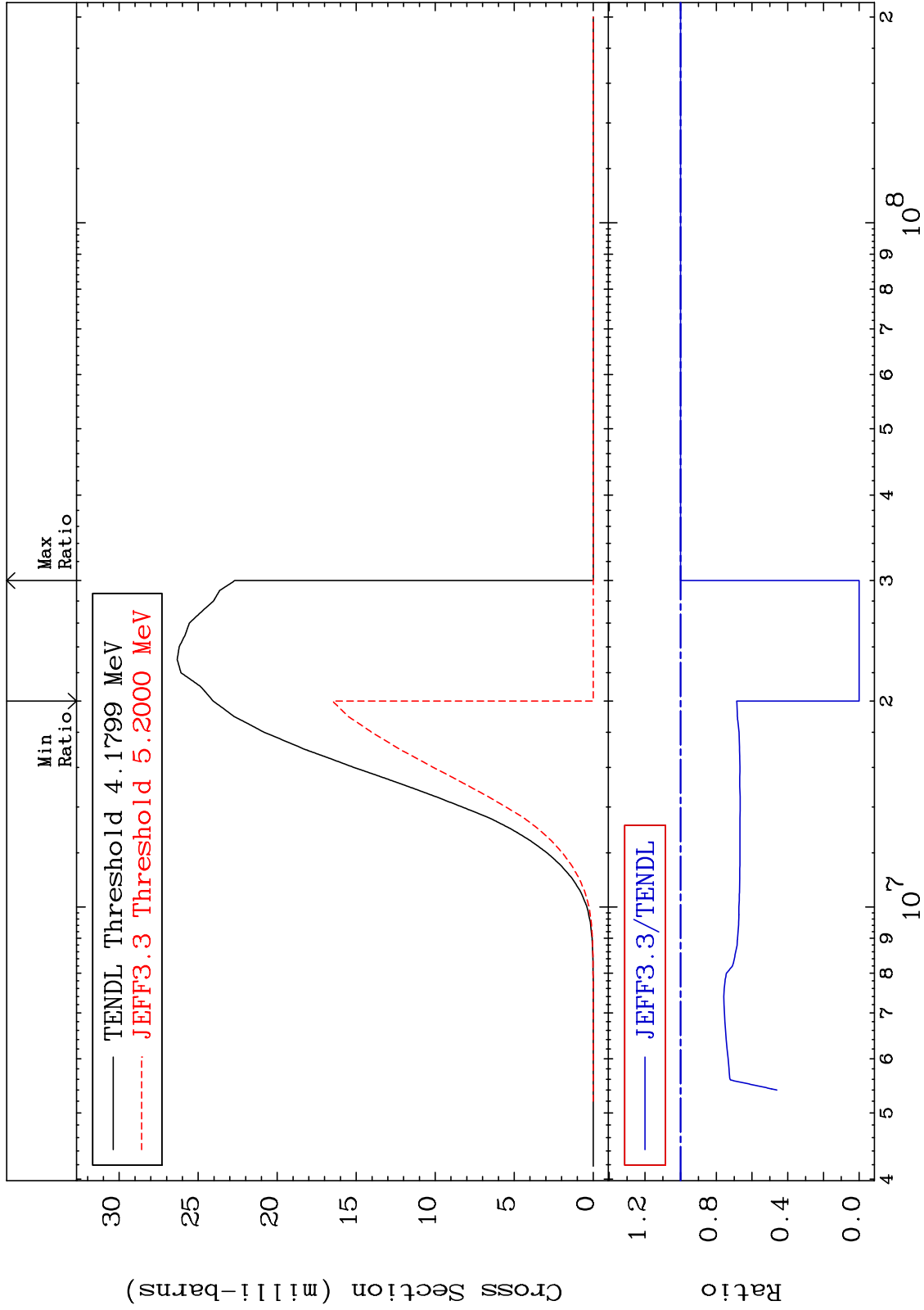
32

MAT 4037

40-Zr-94

(n, p)
Cross Section

-100.0 To 0.000 %



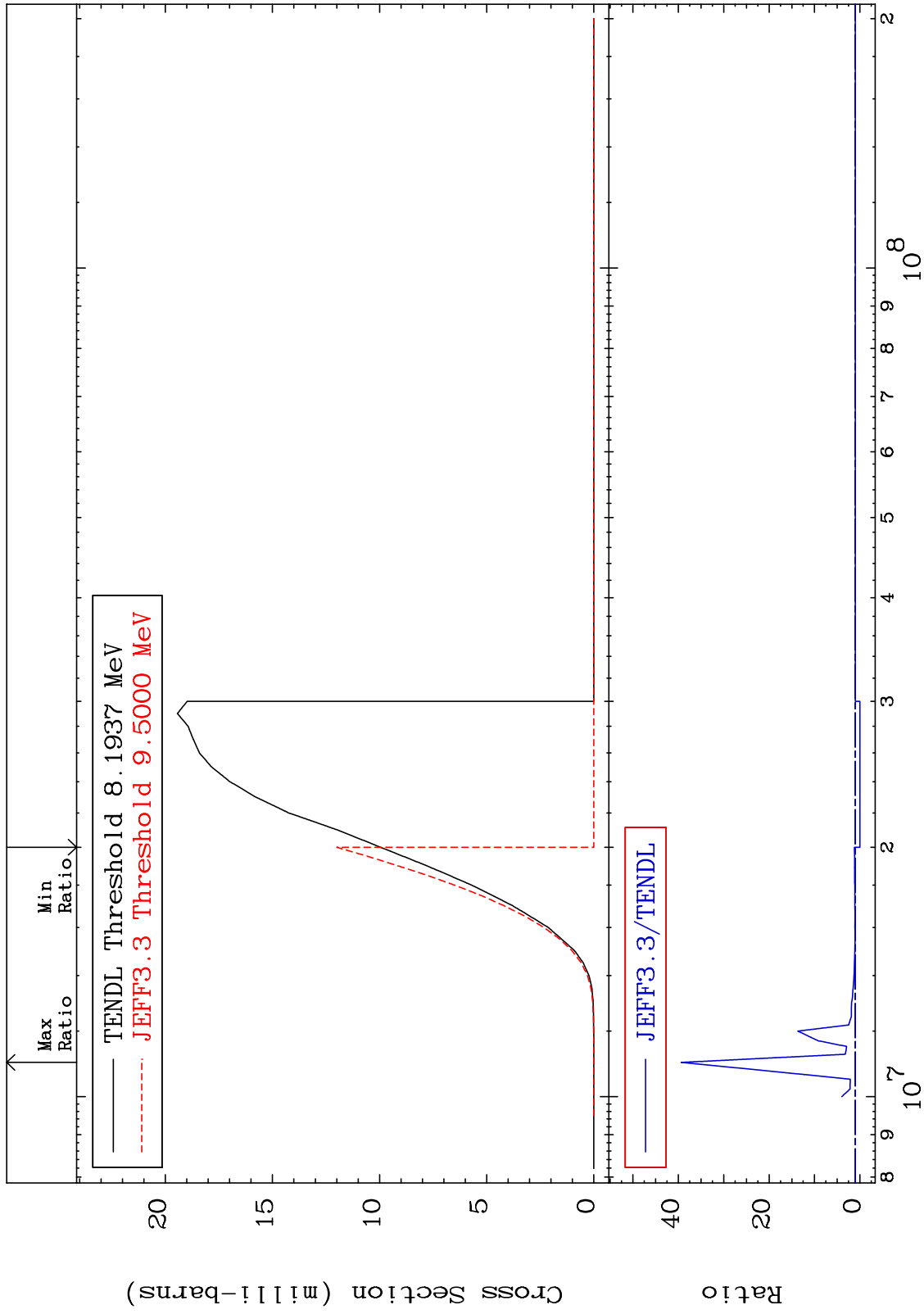
MAT 4037

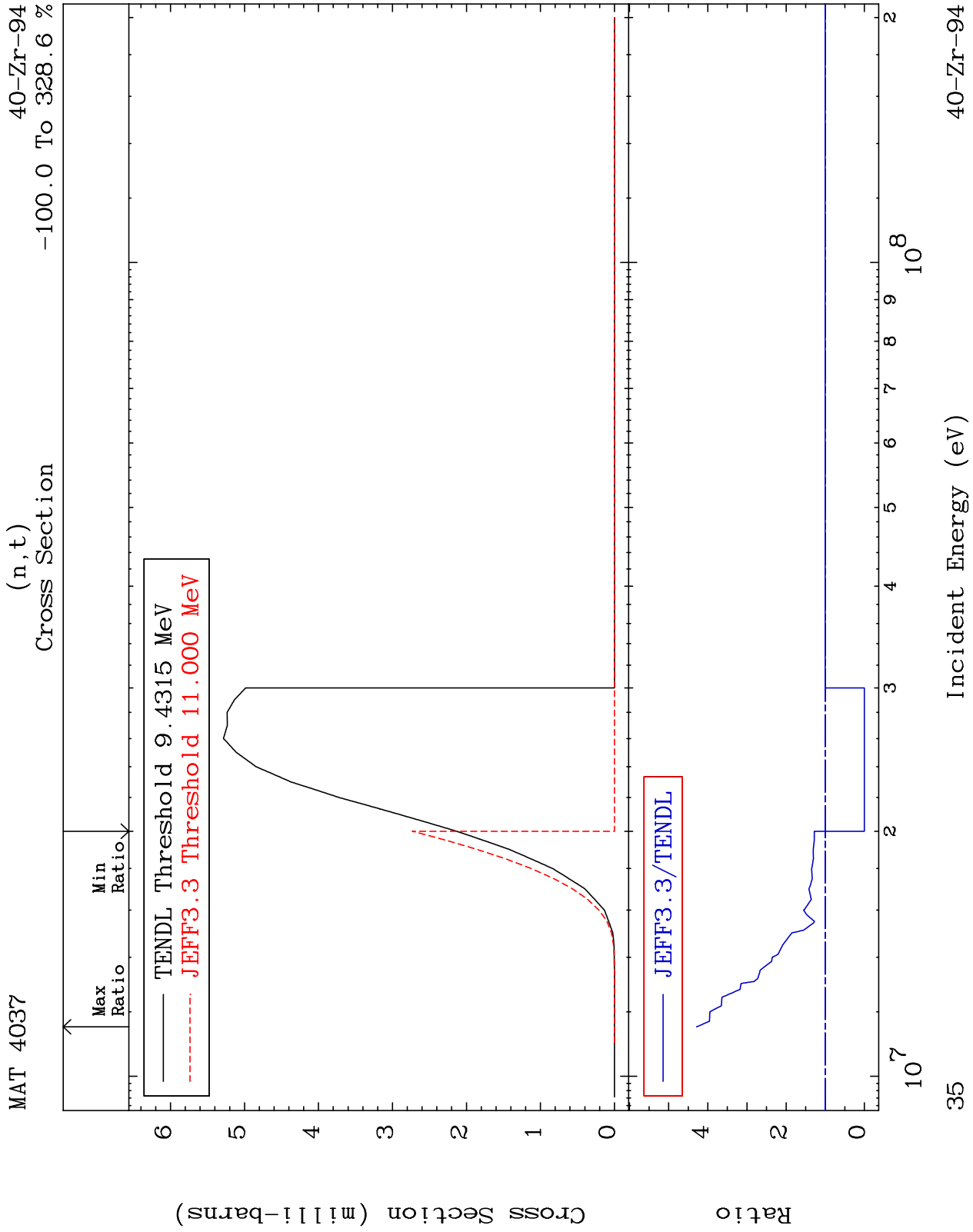
(n, d)

40-Zr-94

Cross Section

-100.0 To 3836. %





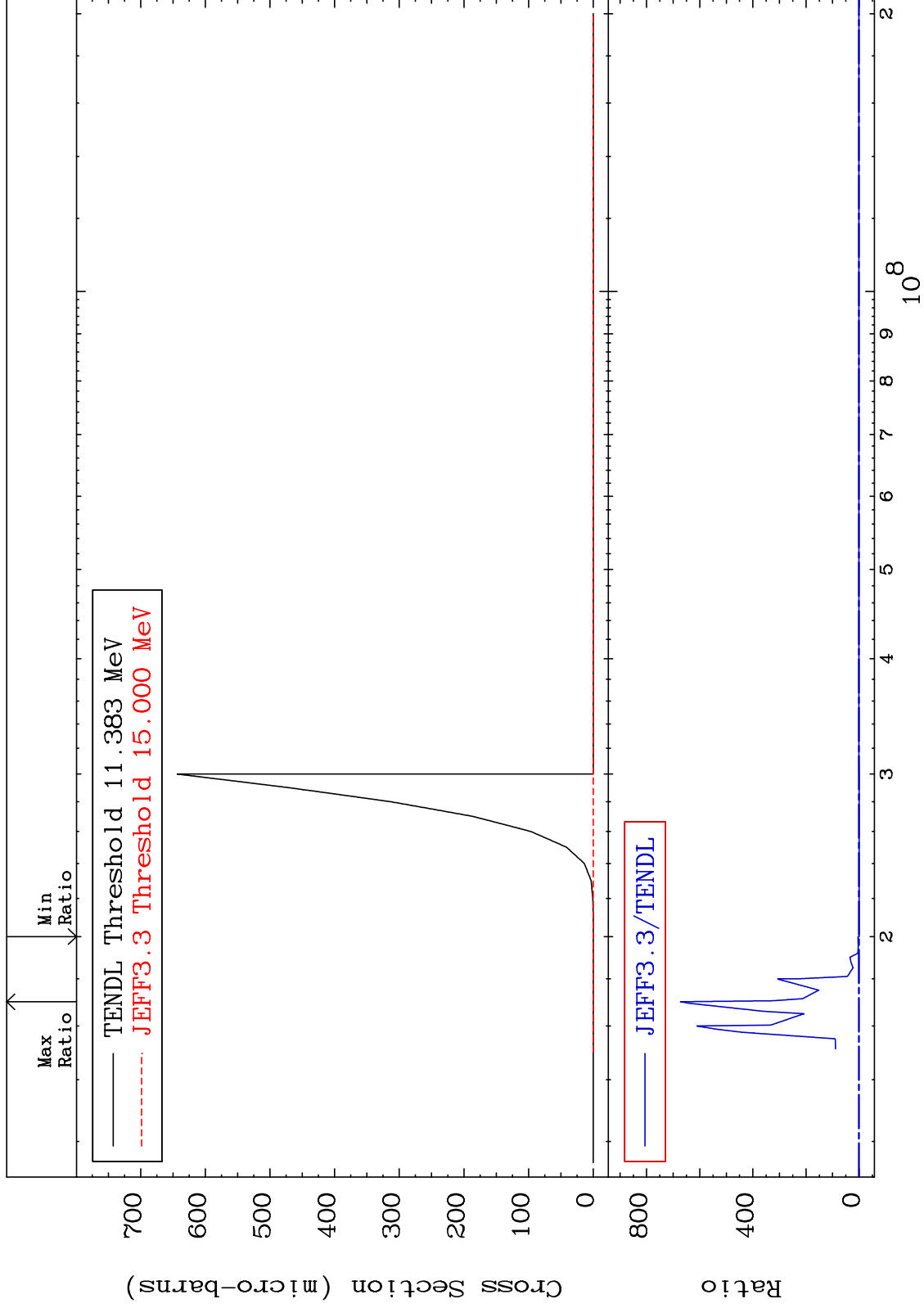
MAT 4037

(n, He-3)

40-Zr-94

Cross Section

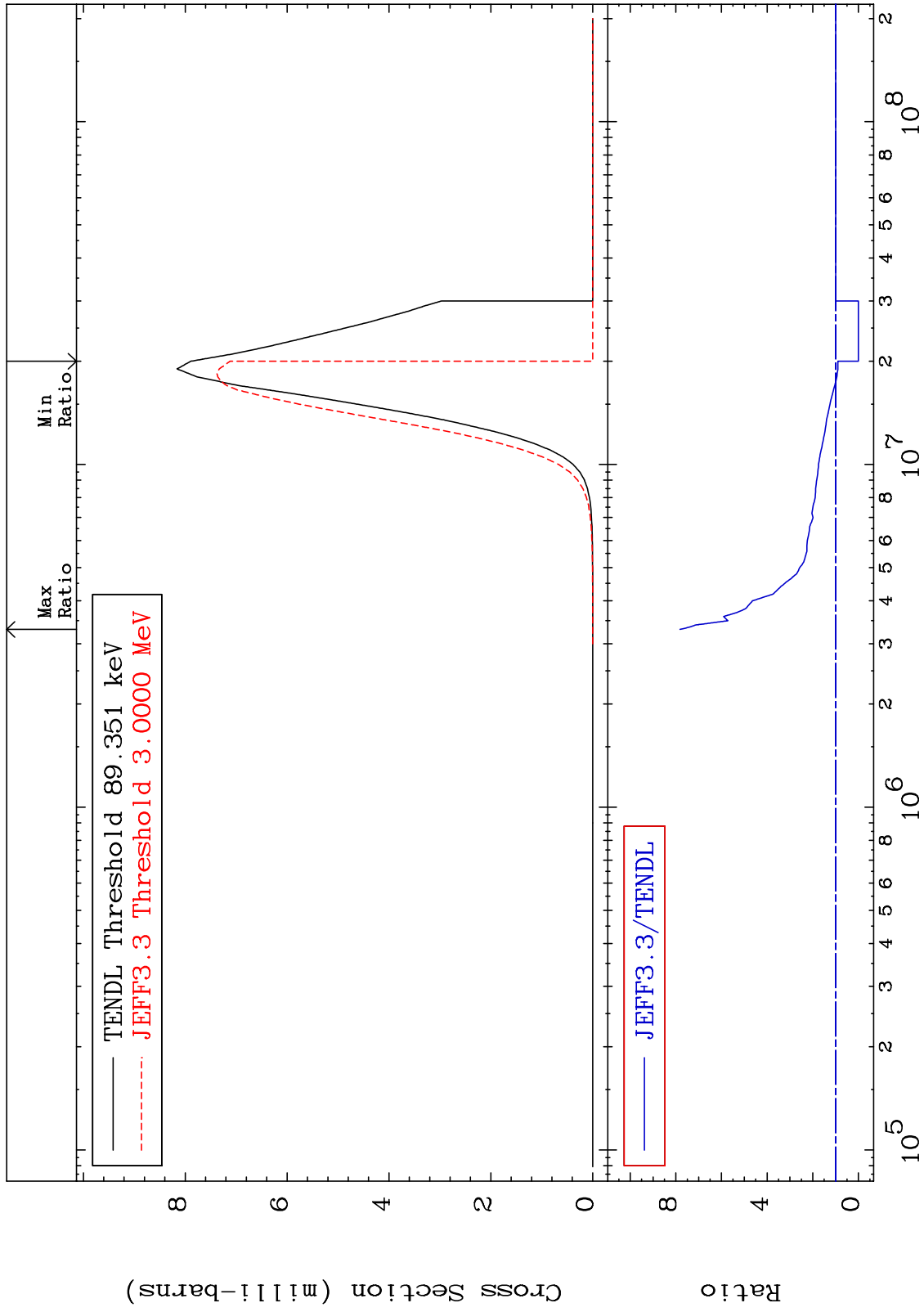
-100.0 To 9999. %



MAT 4037

40-Zr-94

(n, α)
Cross Section
-100.0 To 681.7 %



— TENDL Threshold 89.351 keV
- - - JEFF3.3 Threshold 3.0000 MeV

— JEFF3.3/TENDL

40-Zr-94

Incident Energy (eV)

37

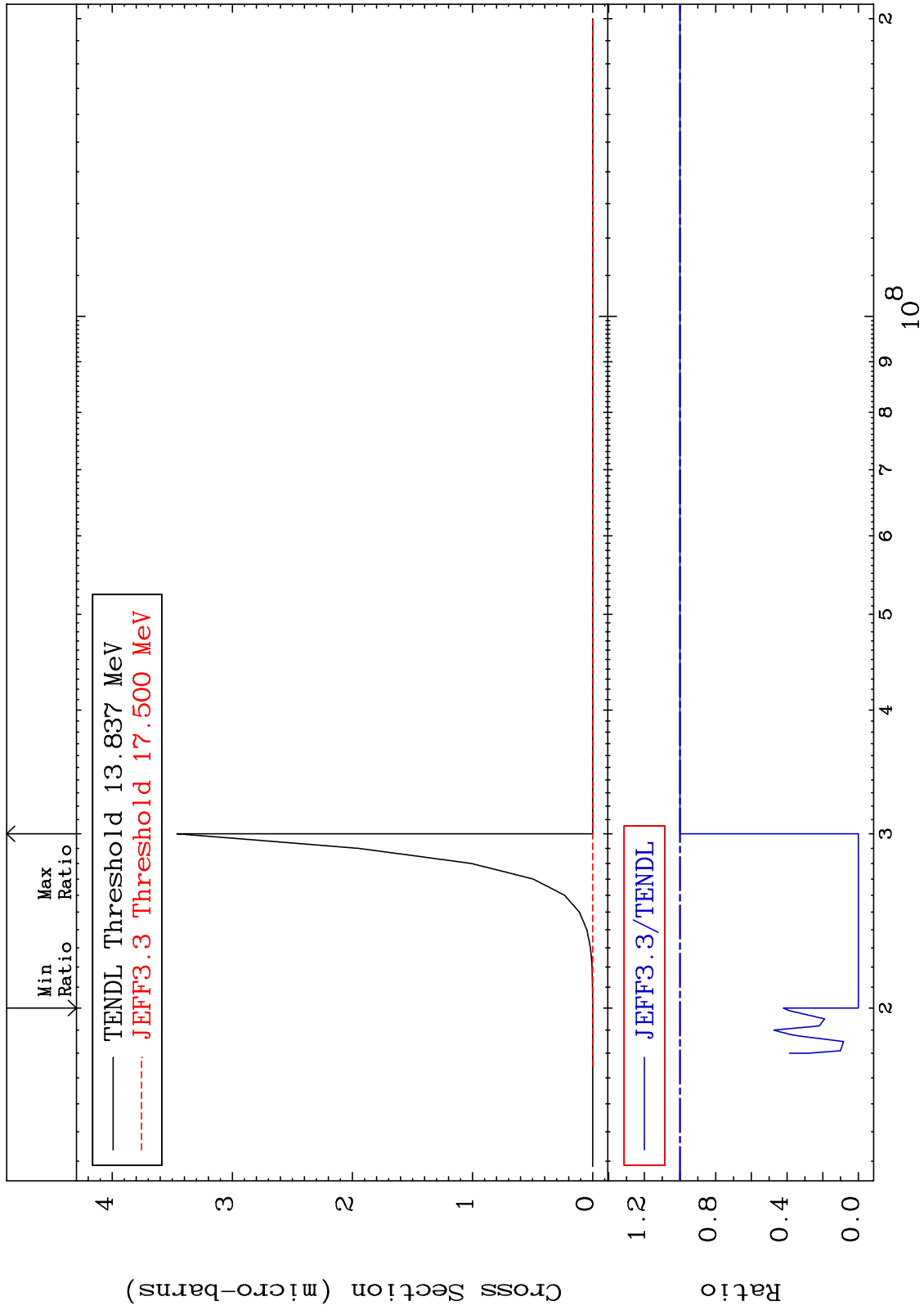
MAT 4037

(n,2p)

40-Zr-94

Cross Section

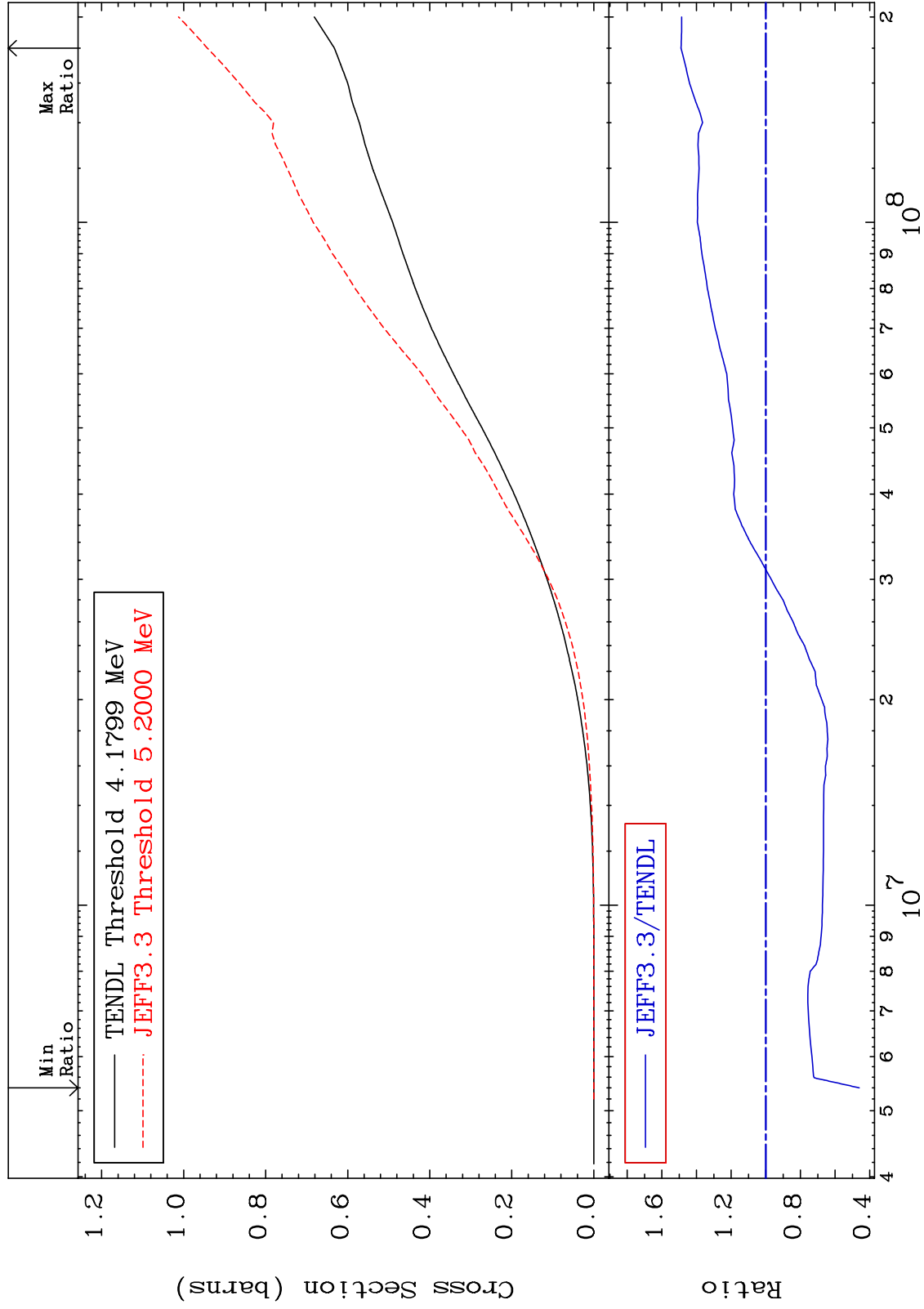
-100.0 To 0.000 %



MAT 4037

Hydrogen Production
Cross Section

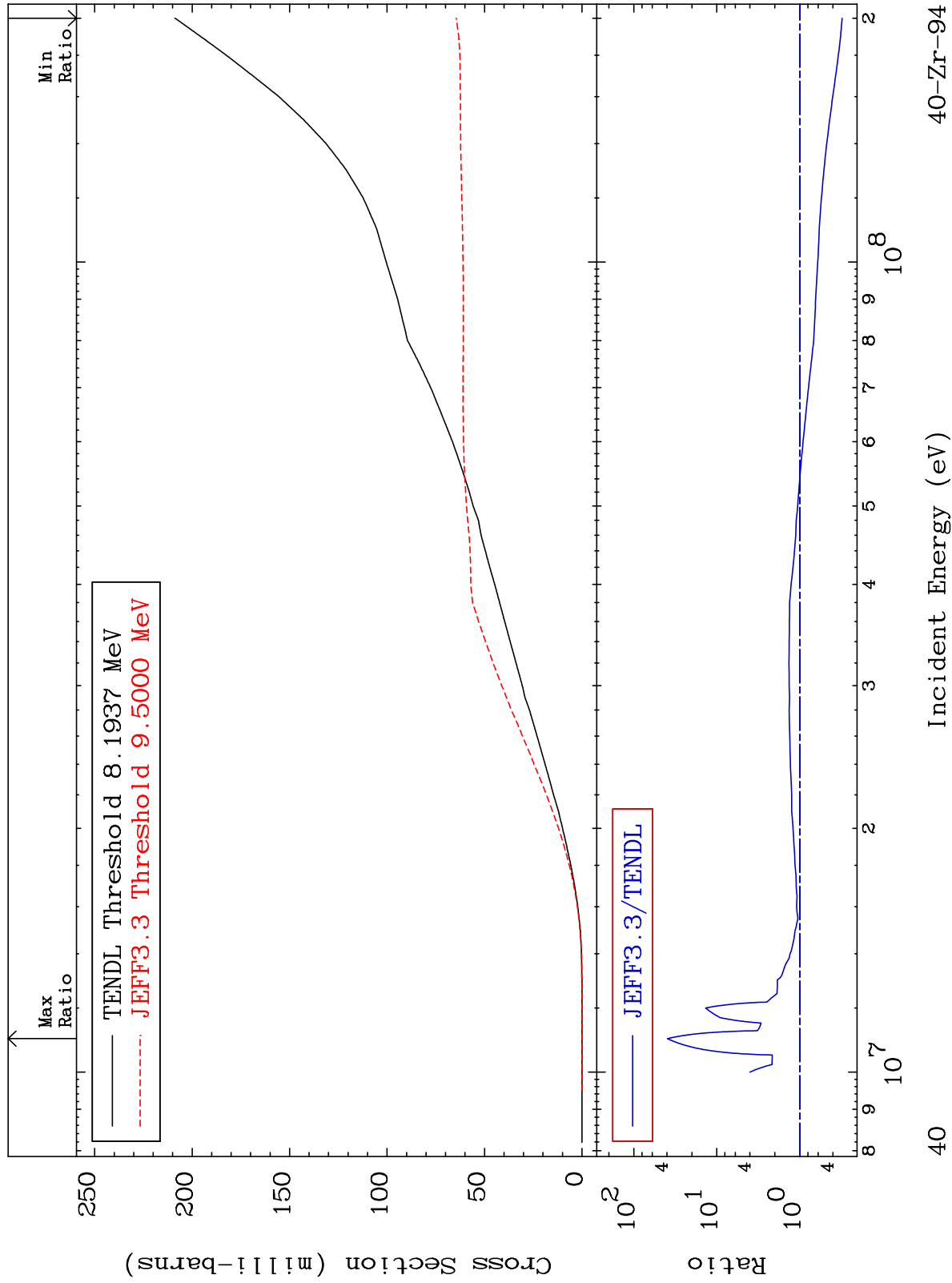
40-Zr-94
-53.94 To 48.95 %



MAT 4037

Deuterium Production
Cross Section

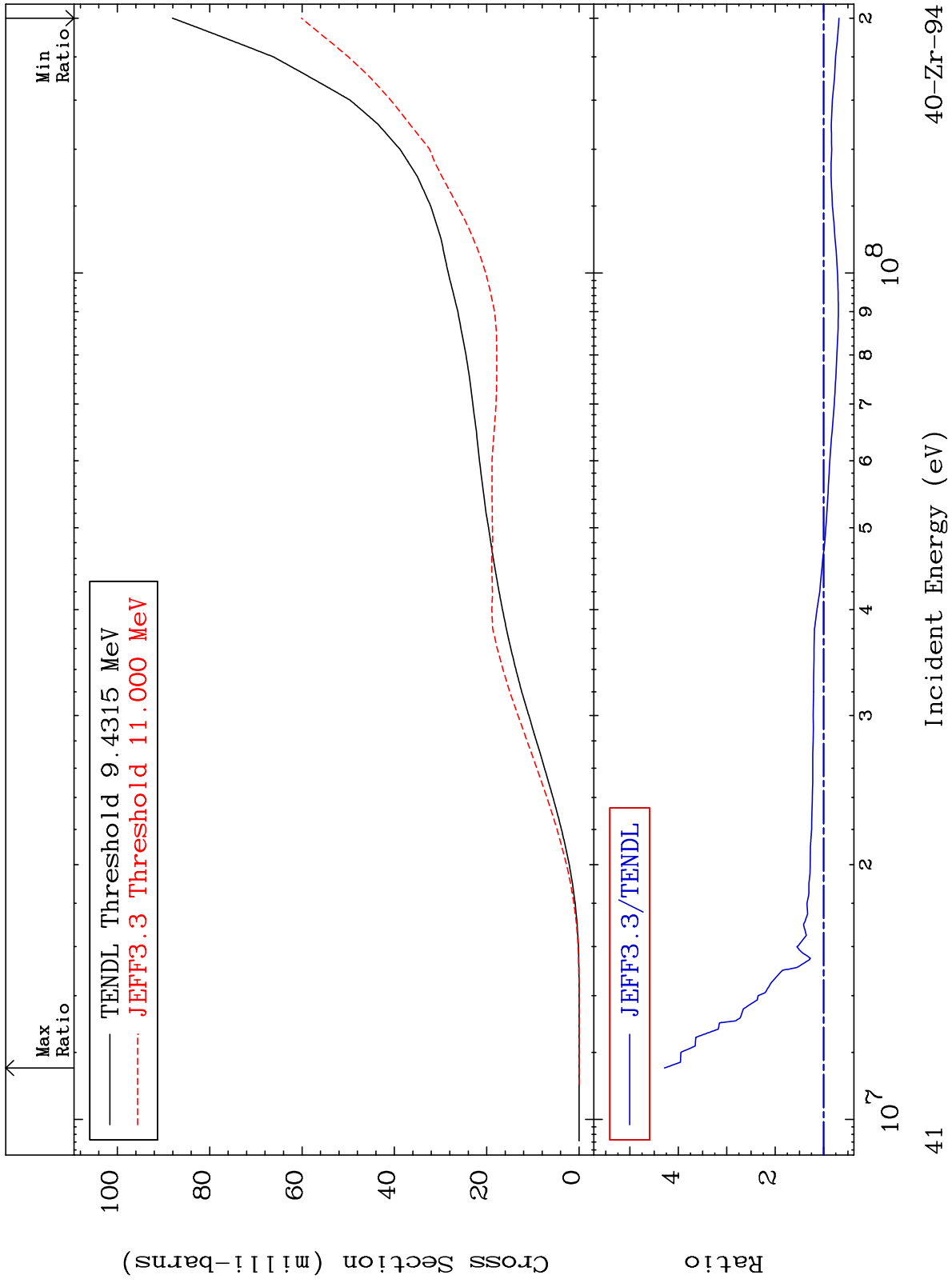
40-Zr-94
-69.12 To 3836. %



MAT 4037

Tritium Production
Cross Section

40-Zr-94
-31.72 To 328.6 %

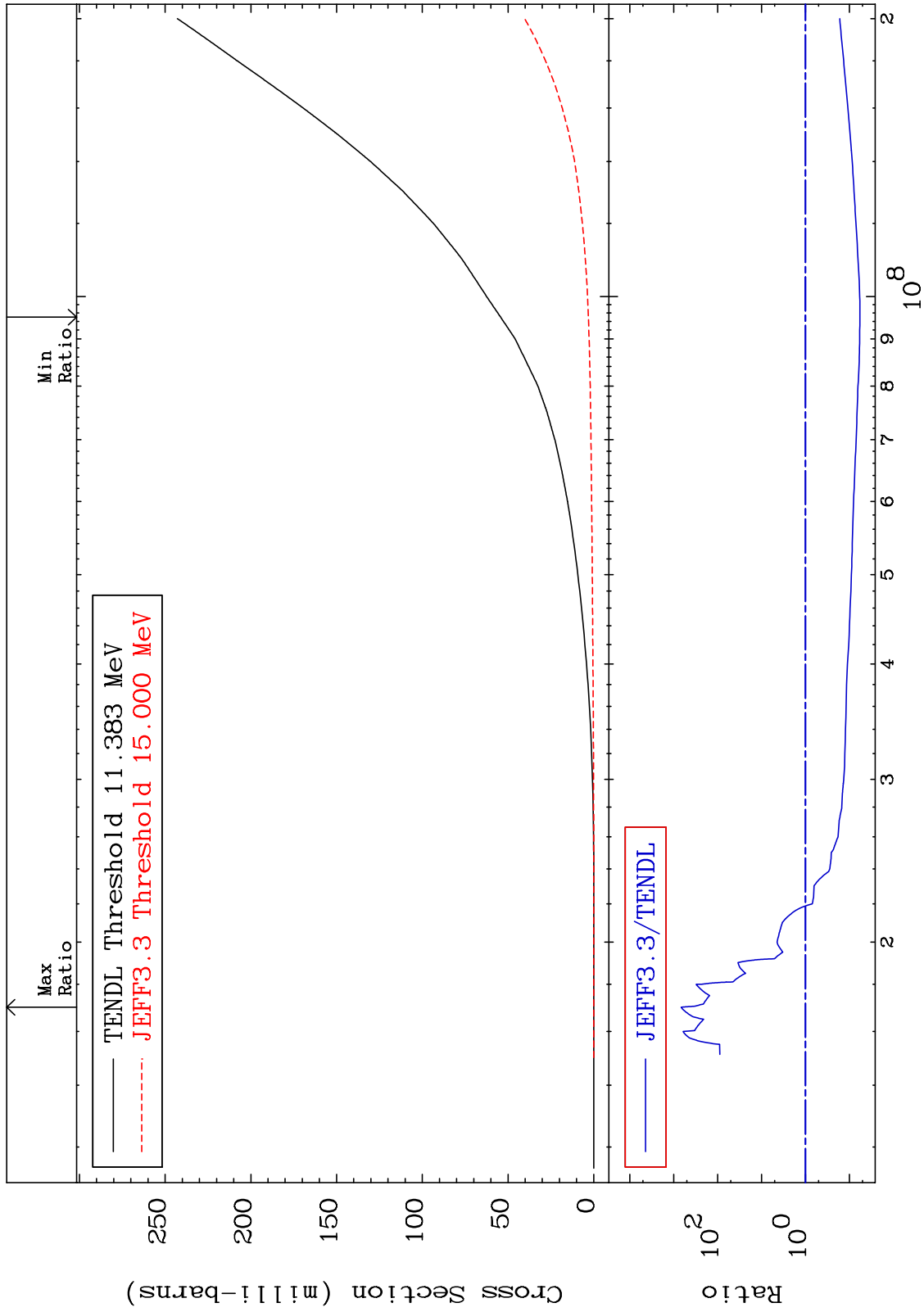


41

MAT 4037

He-3 Production
Cross Section

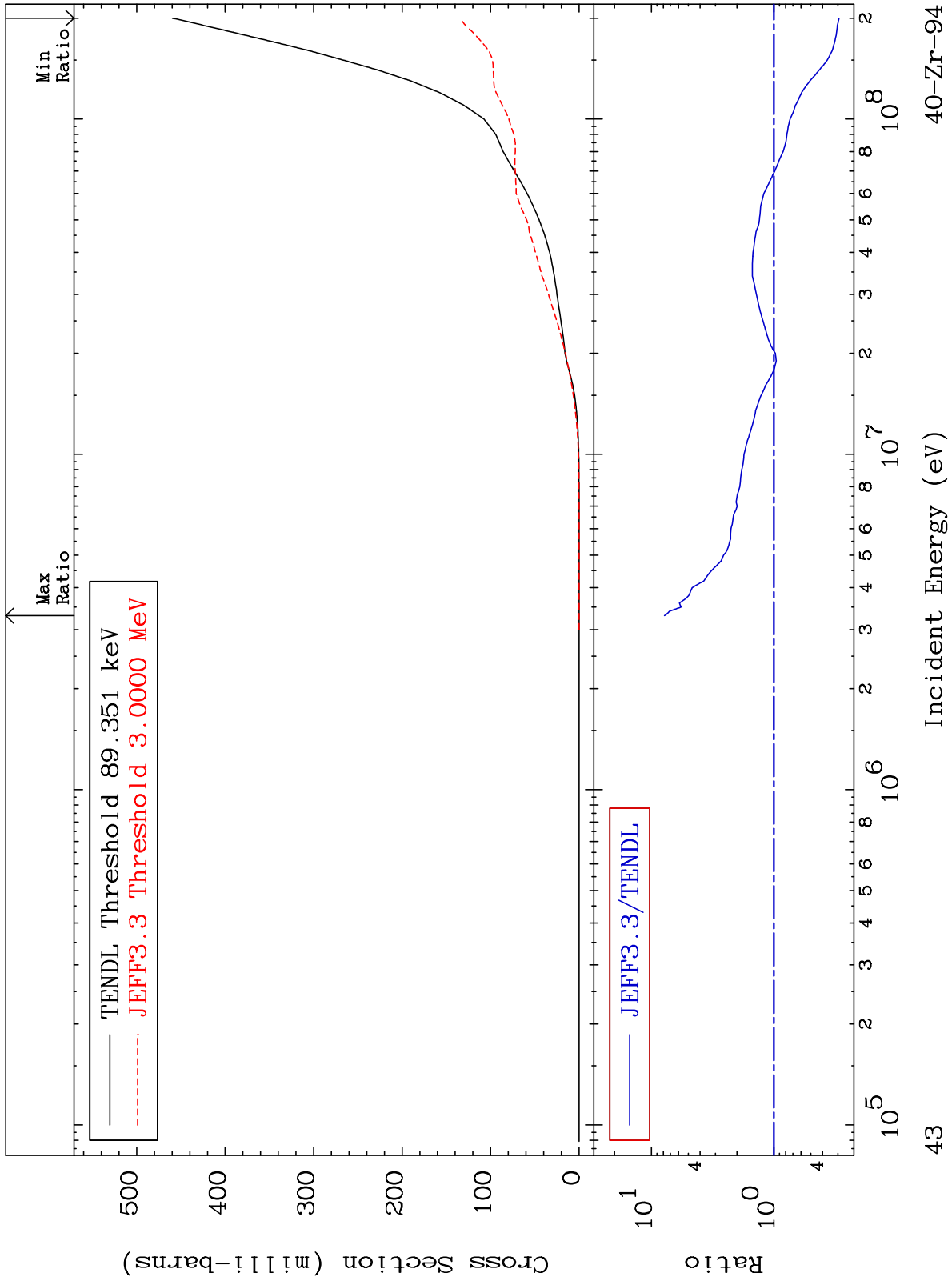
40-Zr-94
-94.25 To 9999. %



MAT 4037

He-4 Production
Cross Section

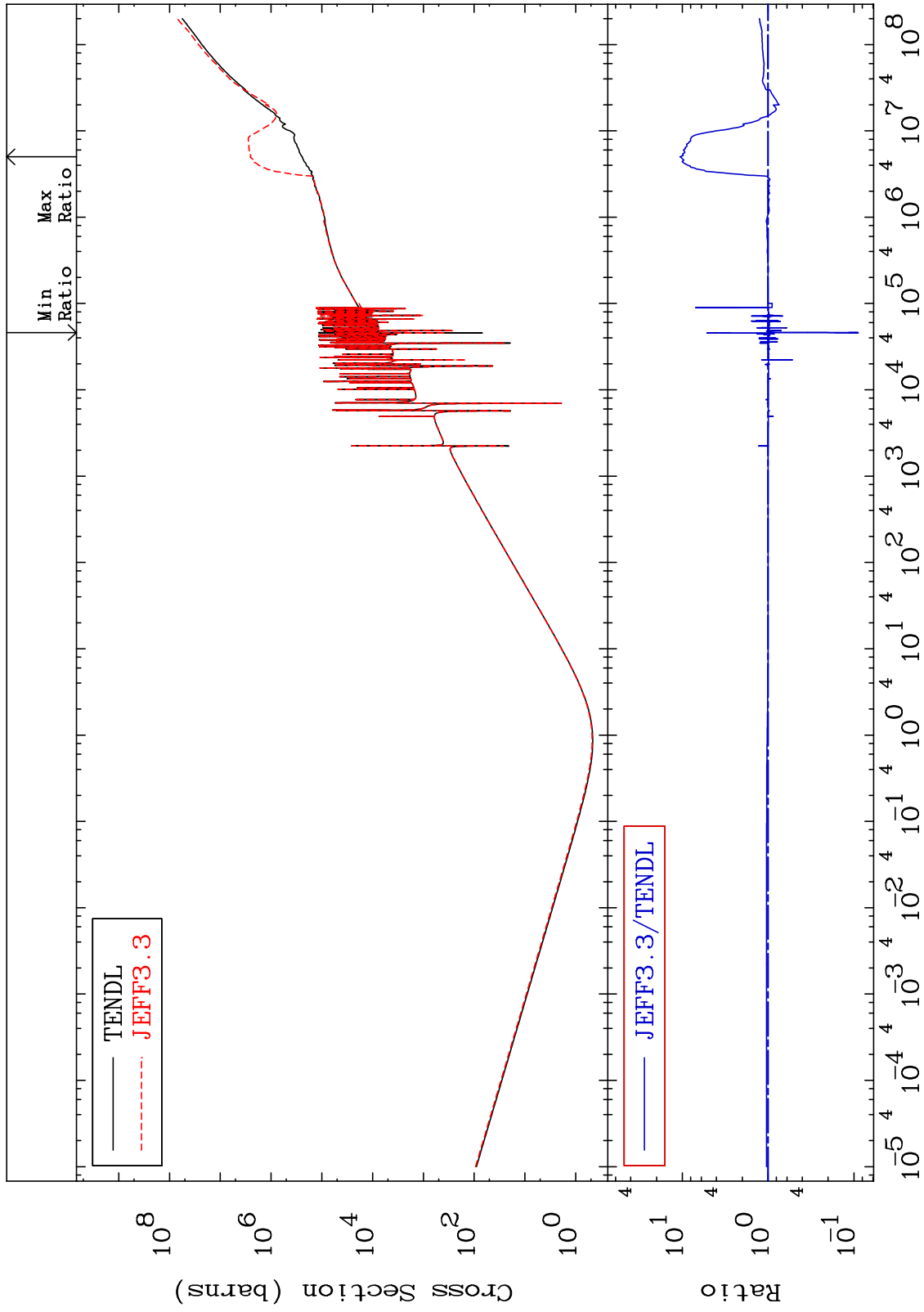
40-Zr-94
-70.64 To 681.7 %



MAT 4037

Kerma total (eV-barns)
Cross Section

40-Zr-94
-91.14 To 964.1 %



44

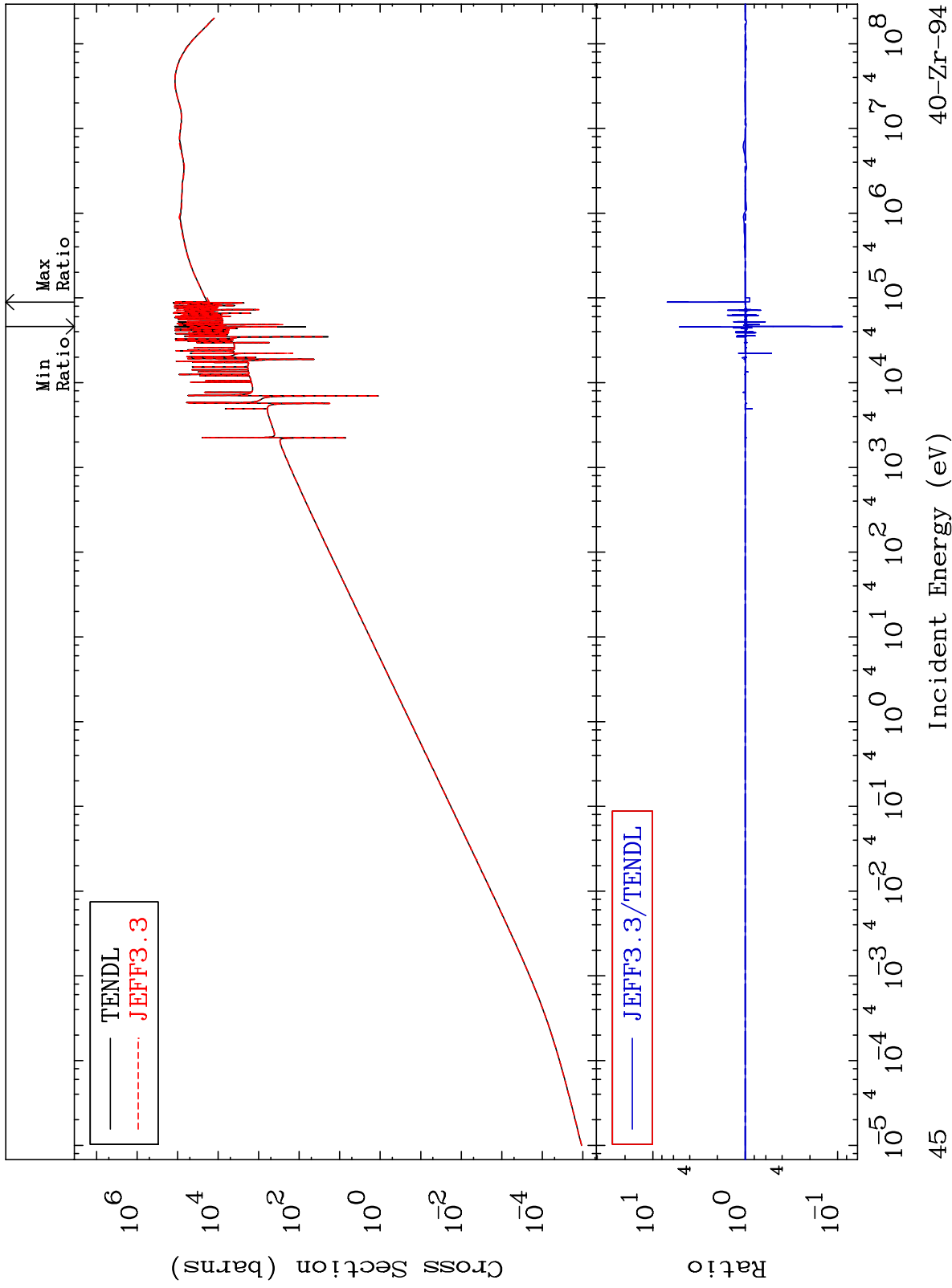
Incident Energy (eV)

40-Zr-94

MAT 4037

Kerma elastic
Cross Section

40-Zr-94
-91.15 To 598.3 %



45

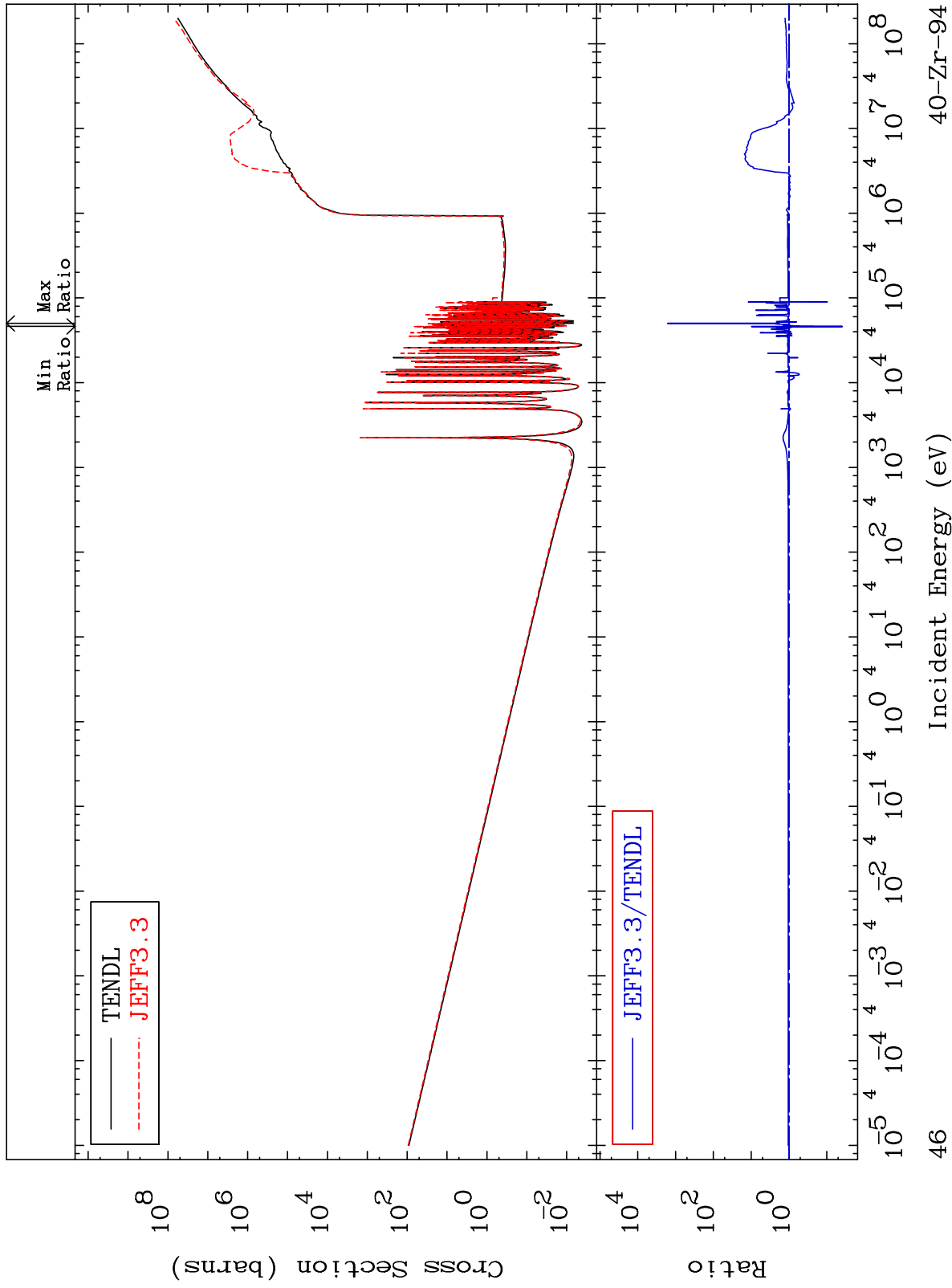
Incident Energy (eV)

40-Zr-94

MAT 4037

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-94
-96.22 To 9999. %



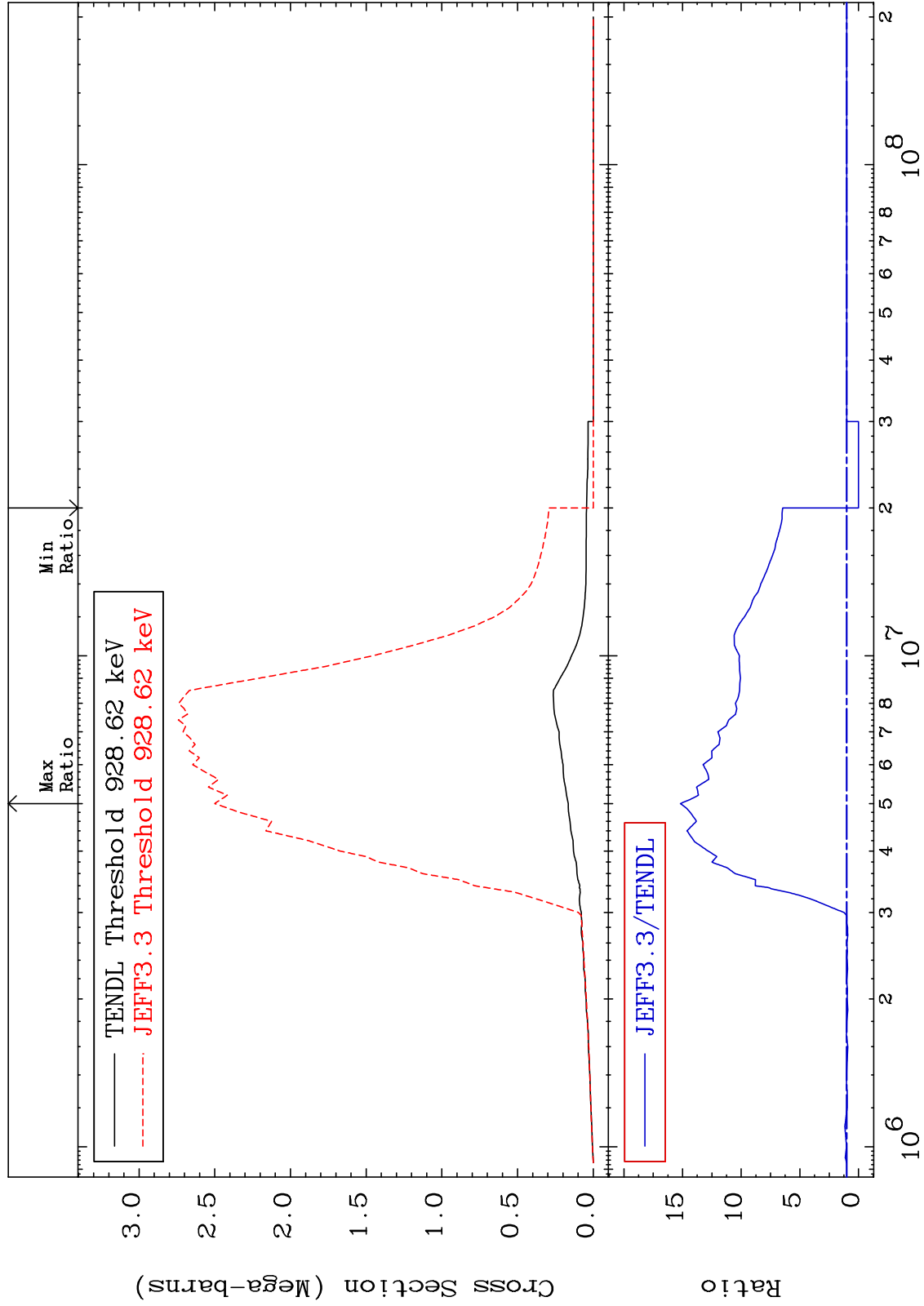
MAT 4037

Kerma inelastic (mt51-91)

40-Zr-94

-100.0 To 1418. %

Cross Section



47

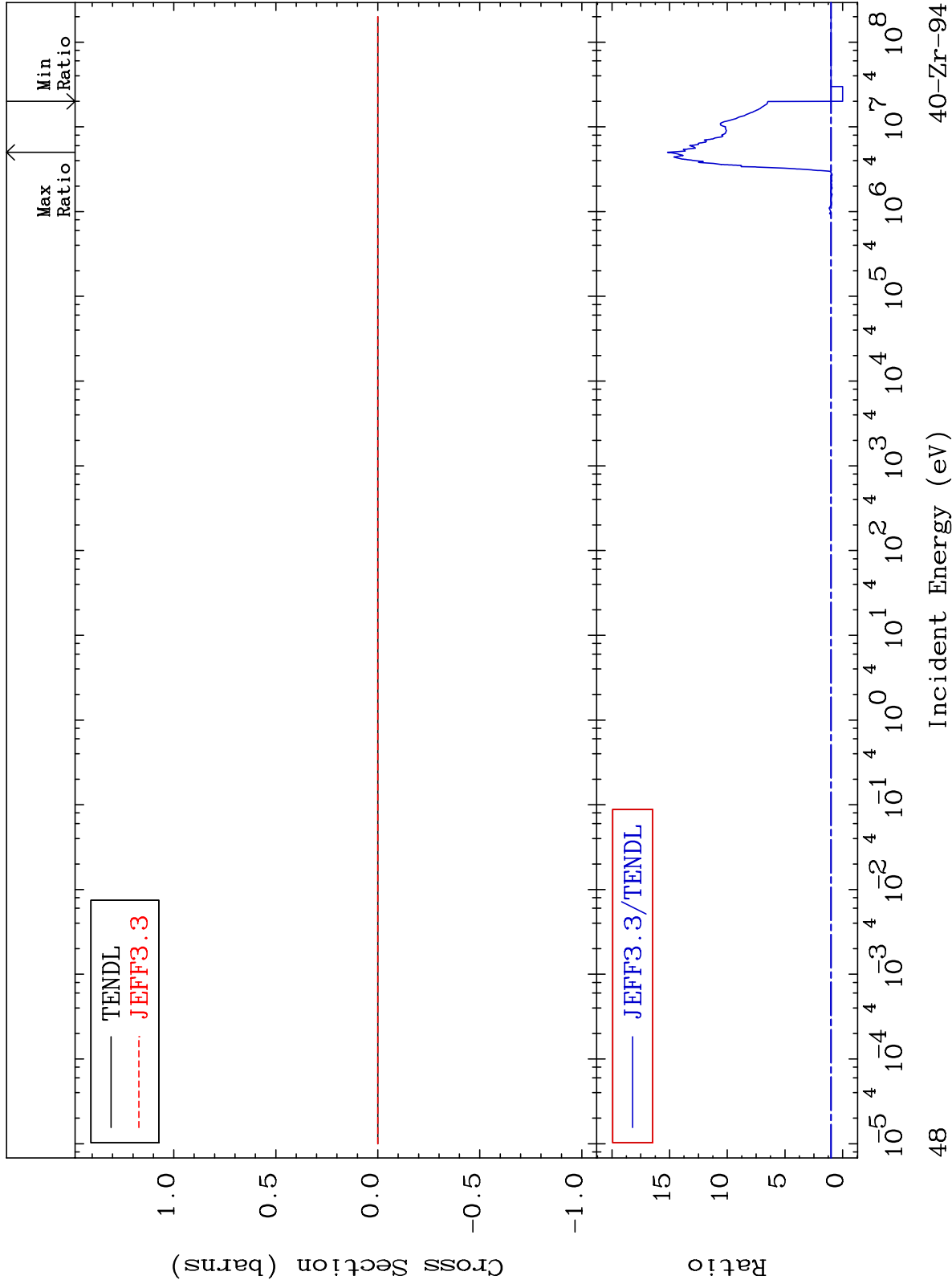
Incident Energy (eV)

40-Zr-94

MAT 4037

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

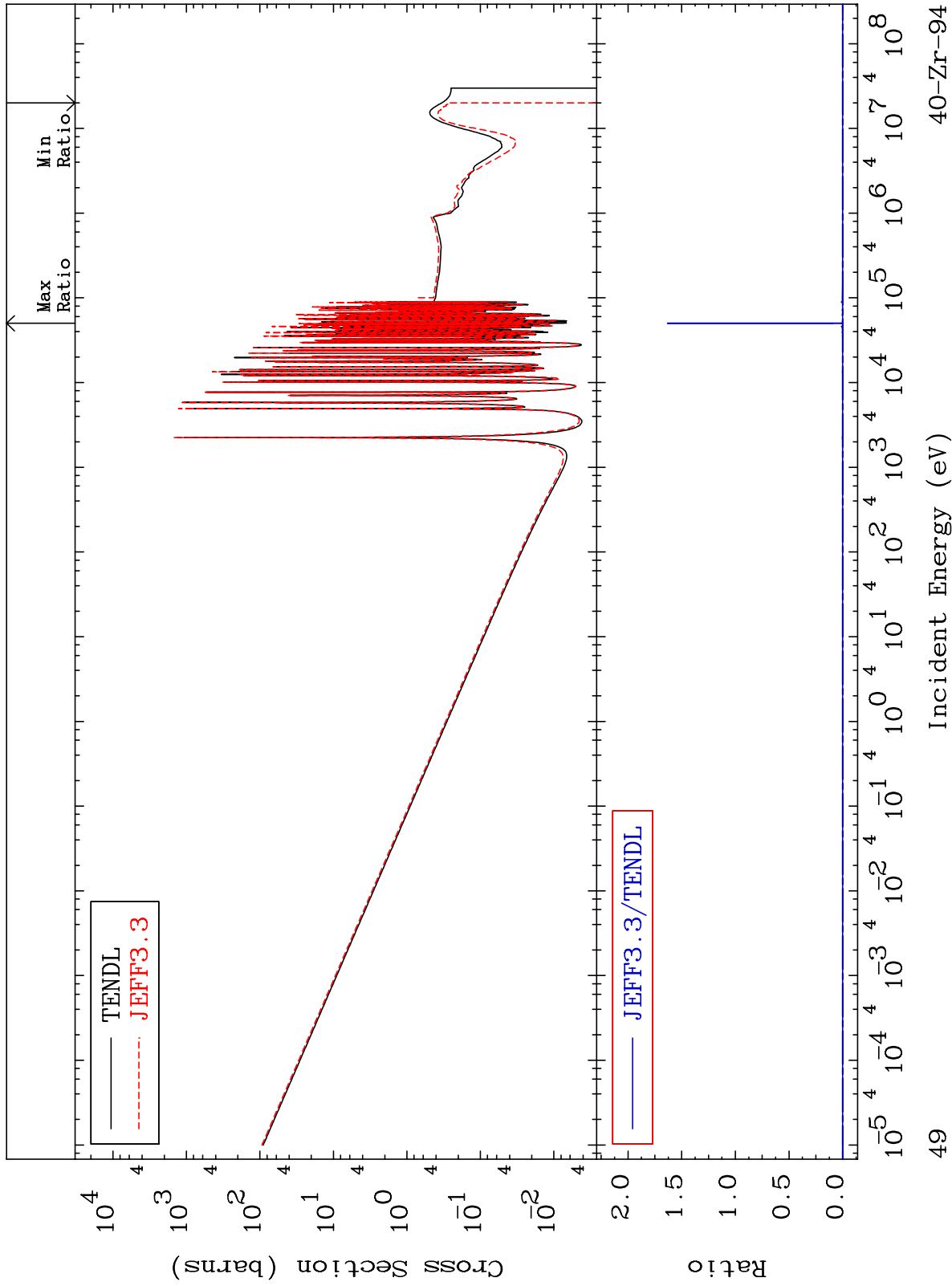
40-Zr-94
-100.0 To 1418. %



MAT 4037

Kerma capture (mt102)
Cross Section

40-Zr-94
-100.0 To 9999. %



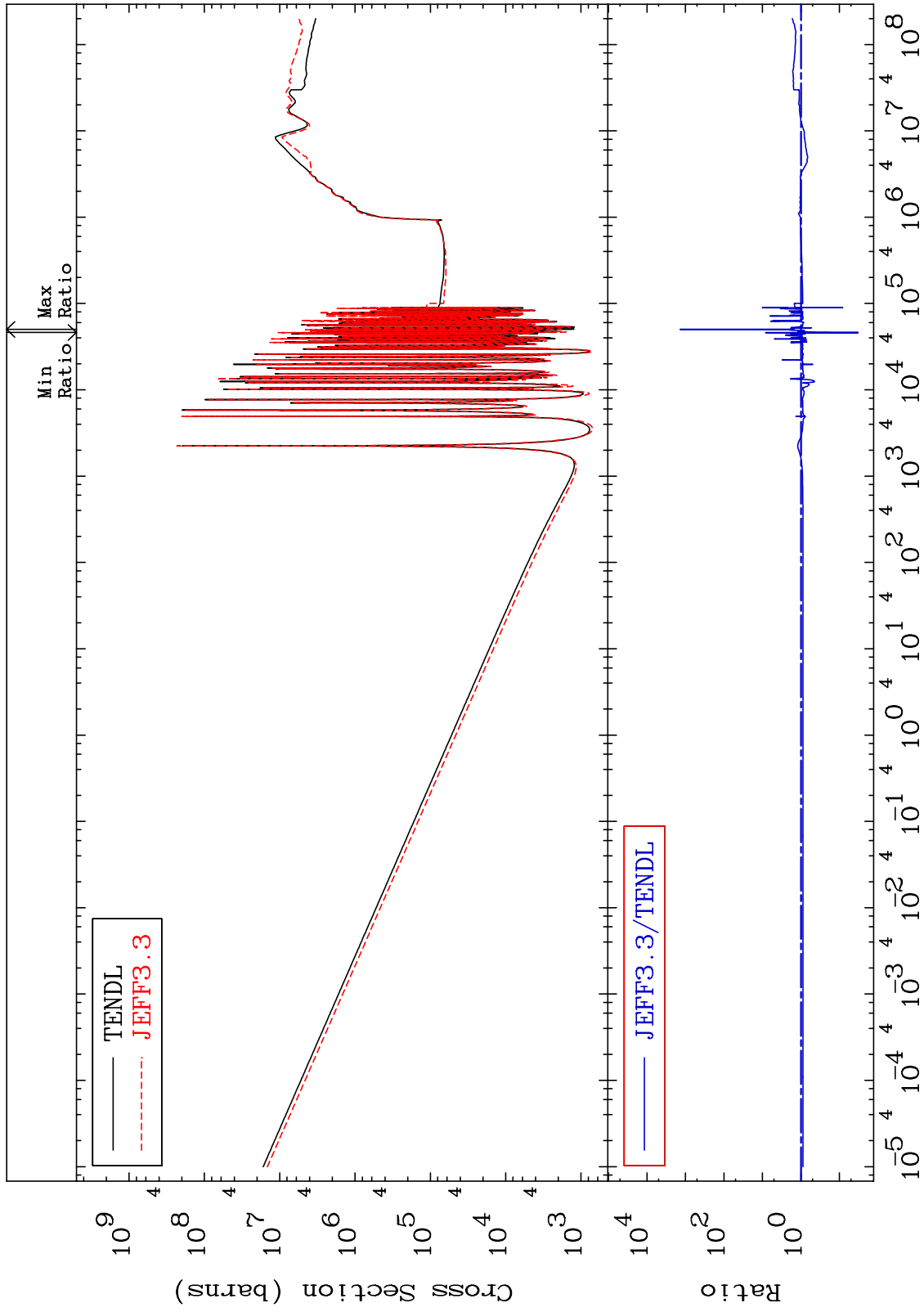
49

40-Zr-94

MAT 4037

Total photon (eV-barns)
Cross Section

40-Zr-94
-96.79 To 9999. %



50

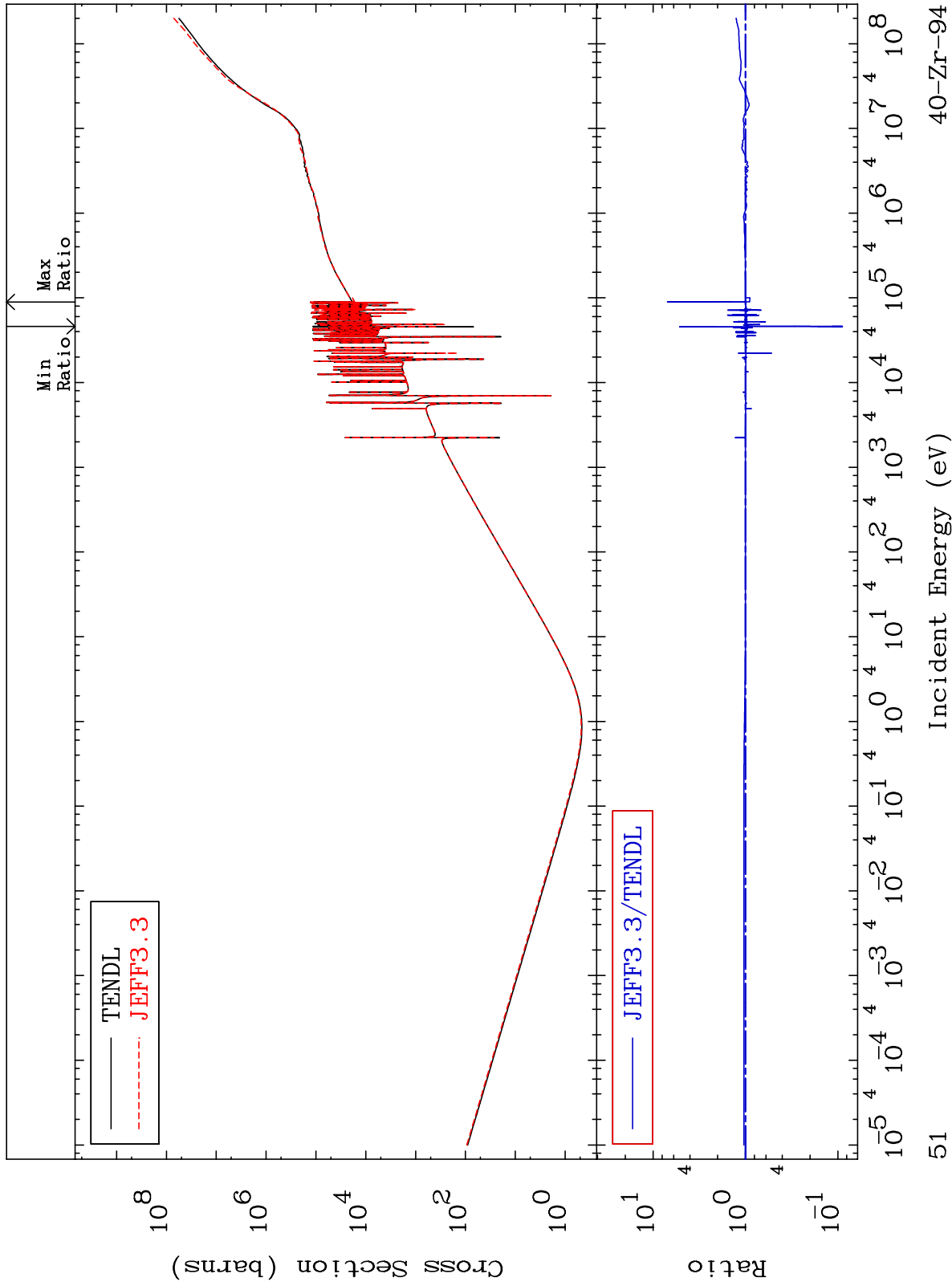
Incident Energy (eV)

40-Zr-94

MAT 4037

Total kinematic kerma (high limit)
Cross Section

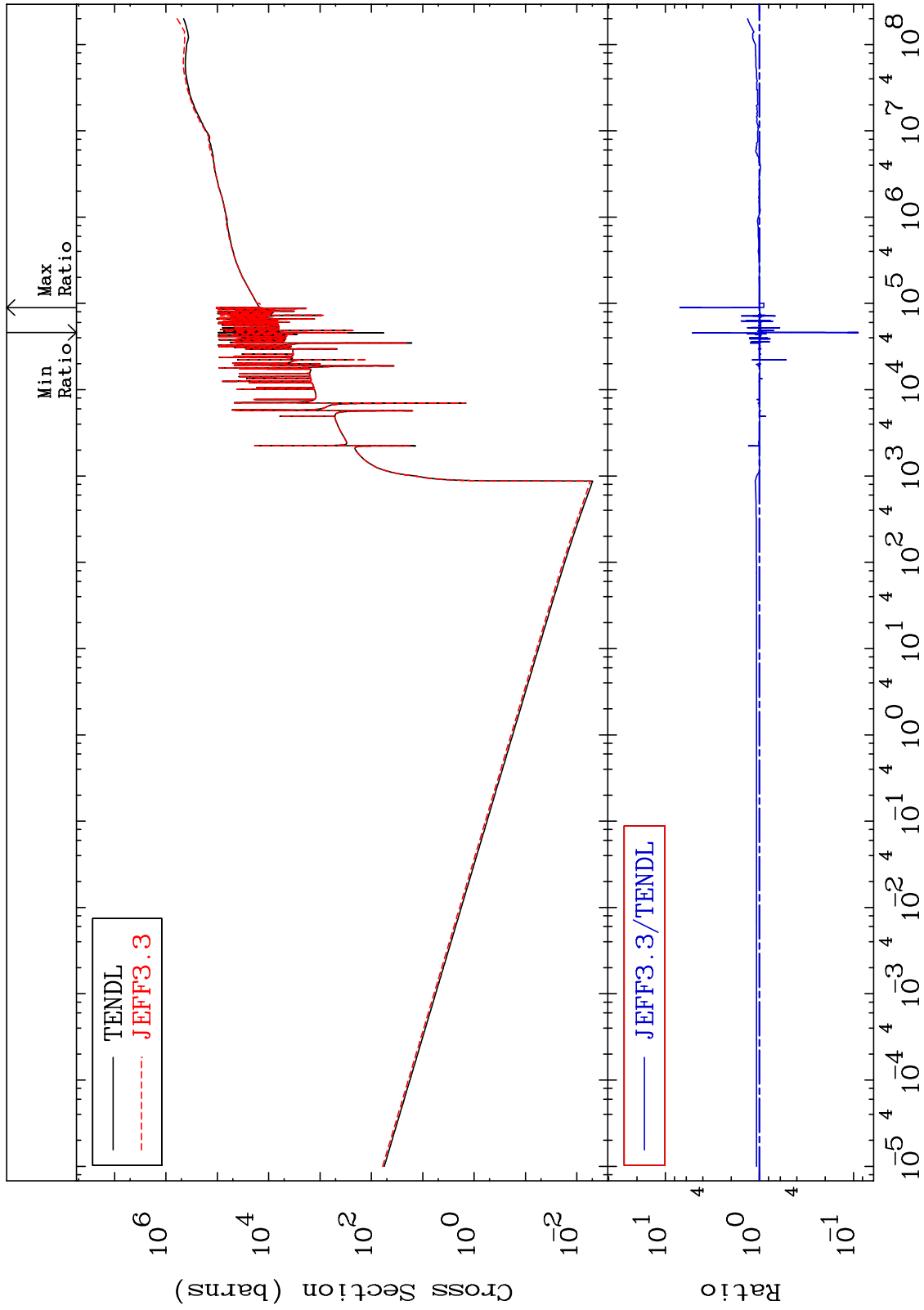
40-Zr-94
-91.14 To 598.3 %



MAT 4037

Dpa total (eV-barns)
Cross Section

40-Zr-94
-91.14 To 598.4 %



52

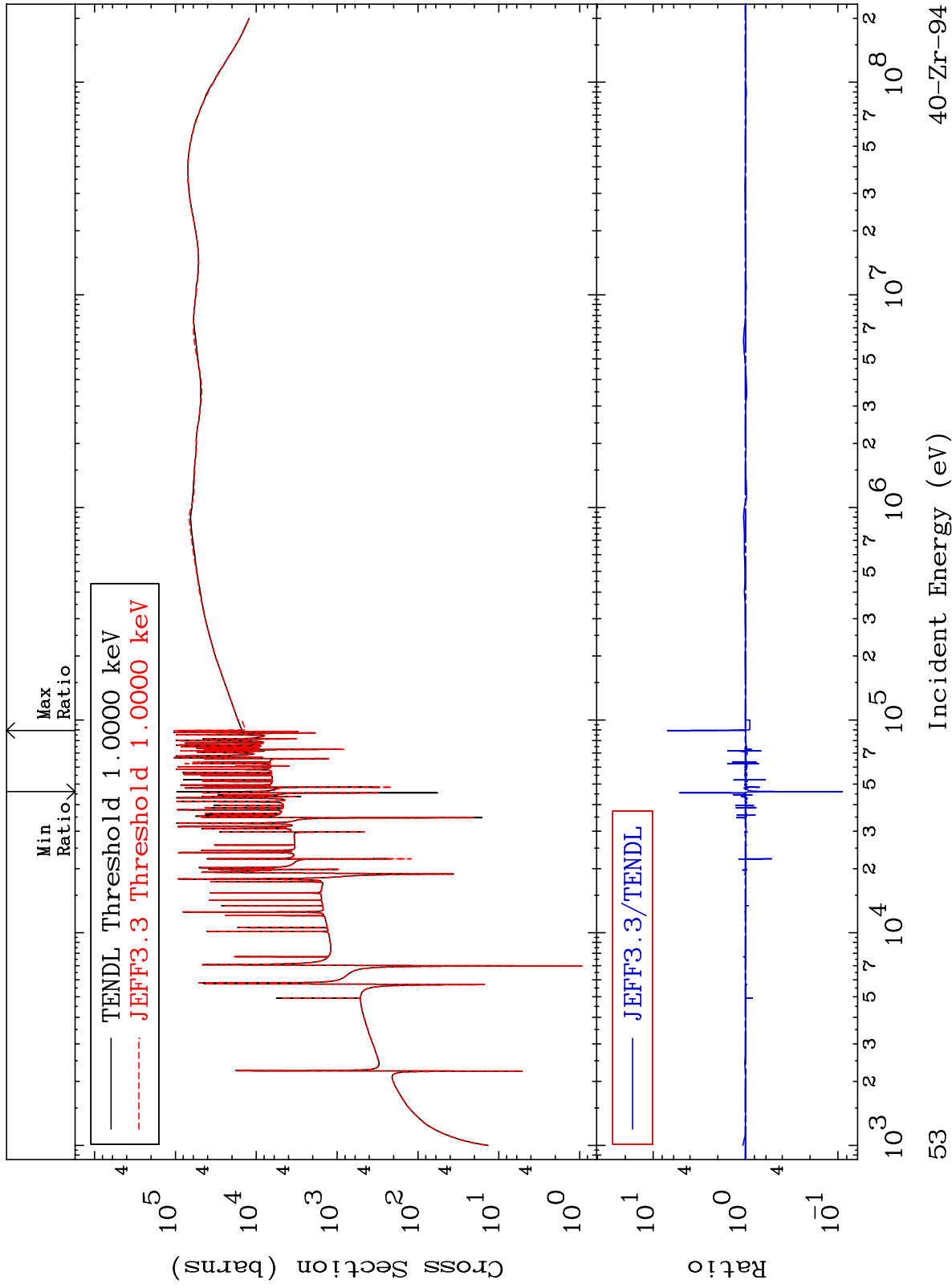
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa elastic (mt2)
Cross Section

40-Zr-94
-91.14 To 598.4 %



53

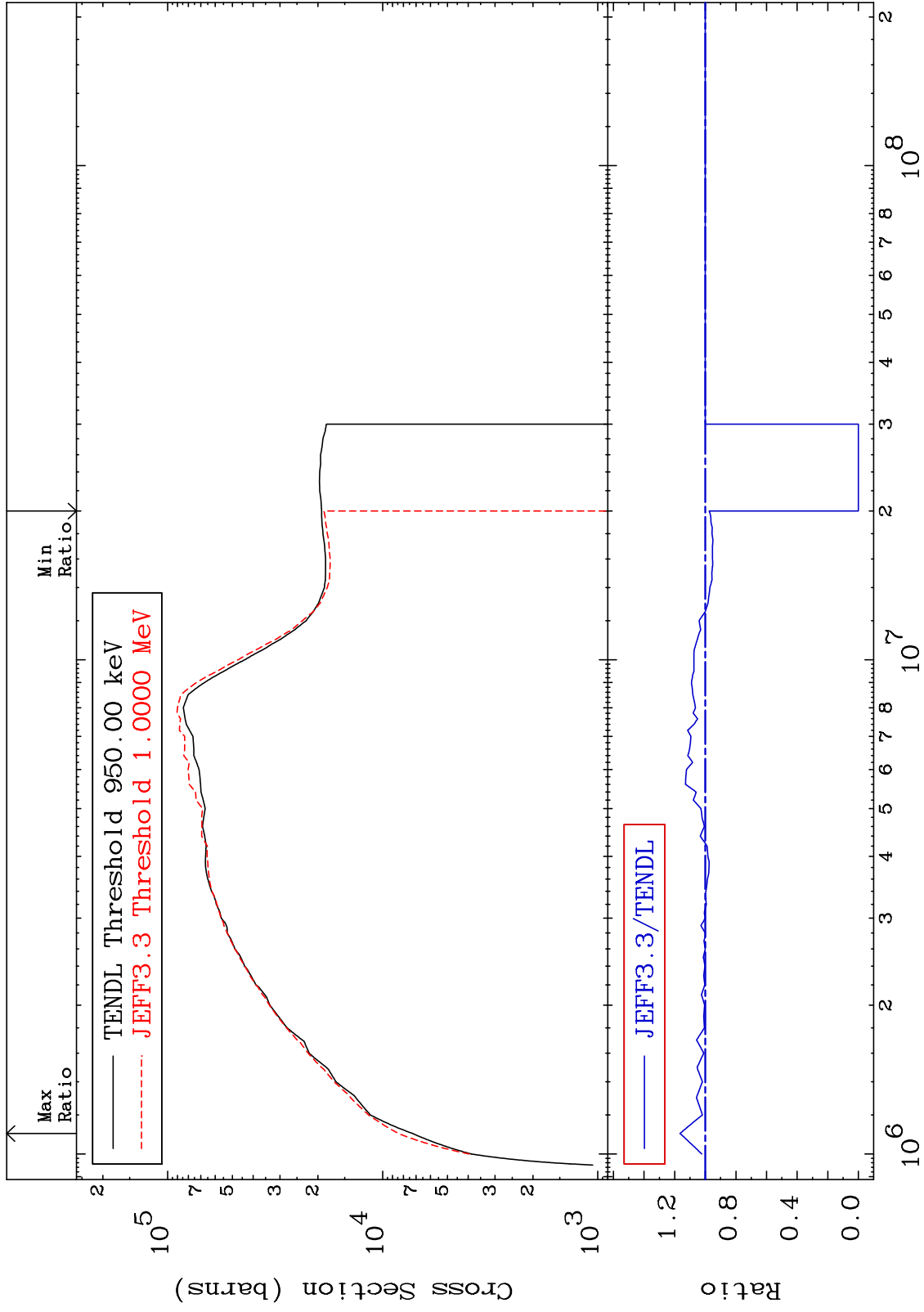
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)
Cross Section

40-Zr-94
-100.0 To 16.51 %



54

Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-94
-100.0 To 9999. %

