

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

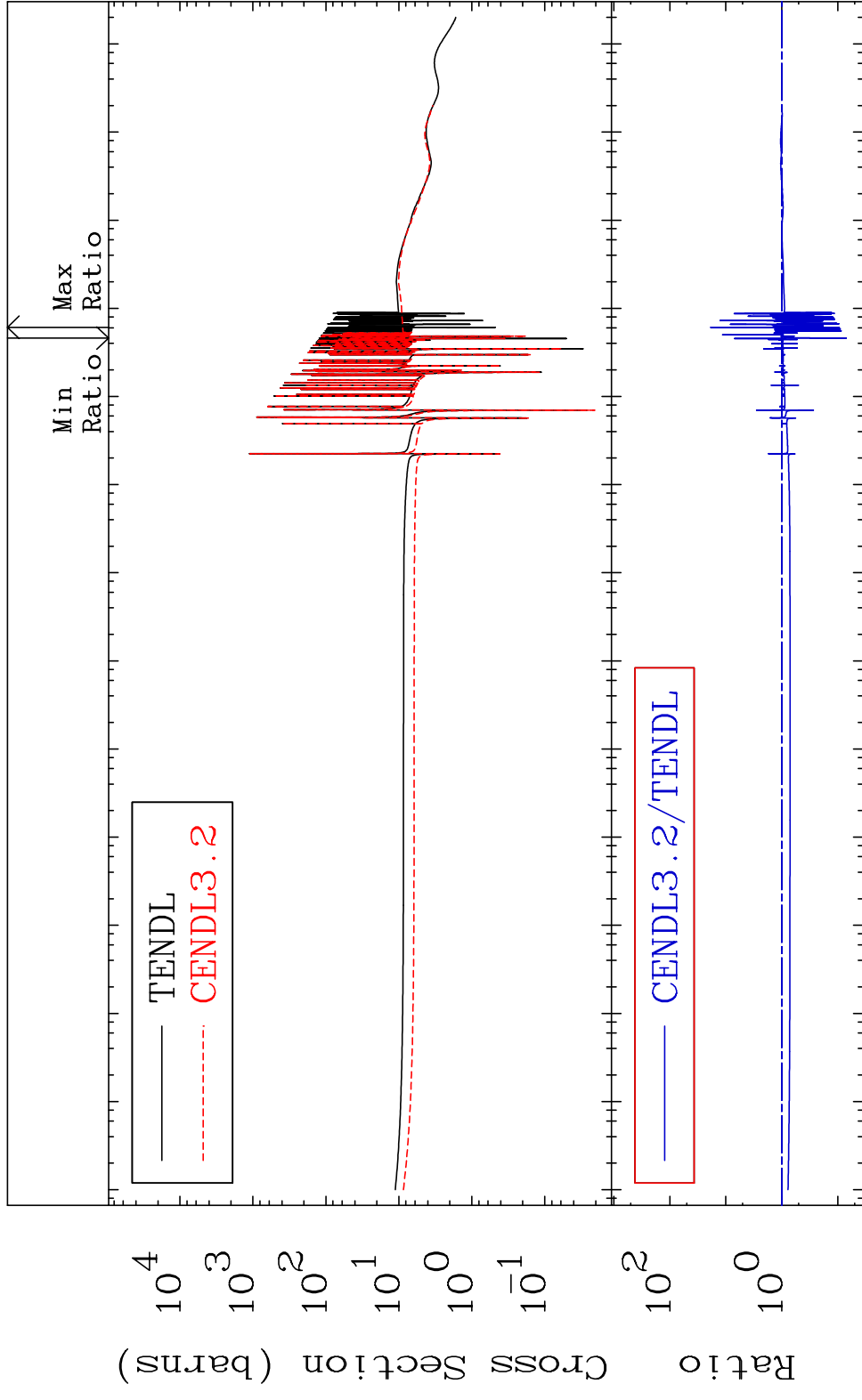
MAT 4037

Total

40-Zr-94

Cross Section

-92.95 To 1762. %



1

Incident Energy (eV)

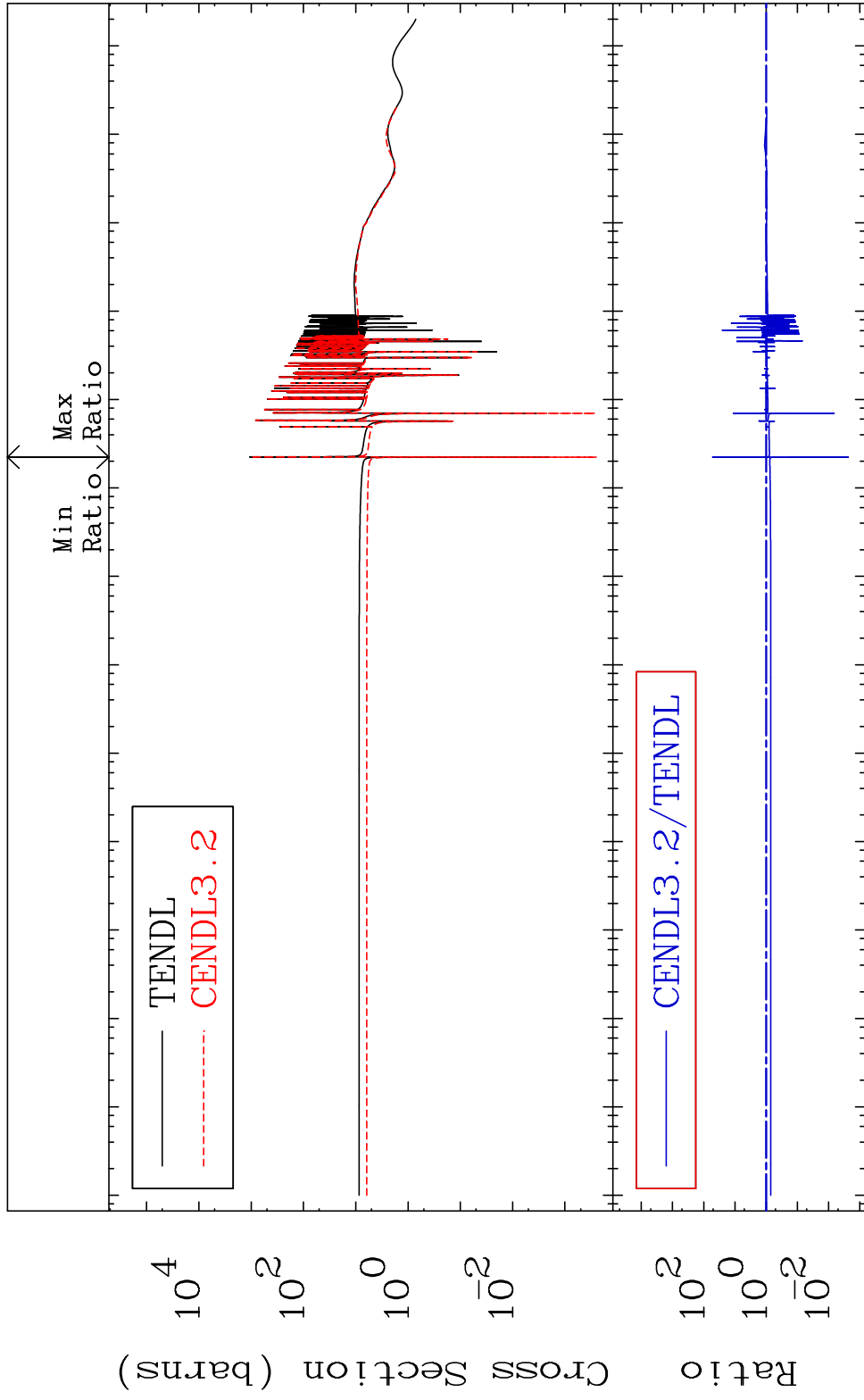
40-Zr-94

MAT 4037

Elastic

40-Zr-94

Cross Section -99.77 To 5191. %



2

Incident Energy (eV)

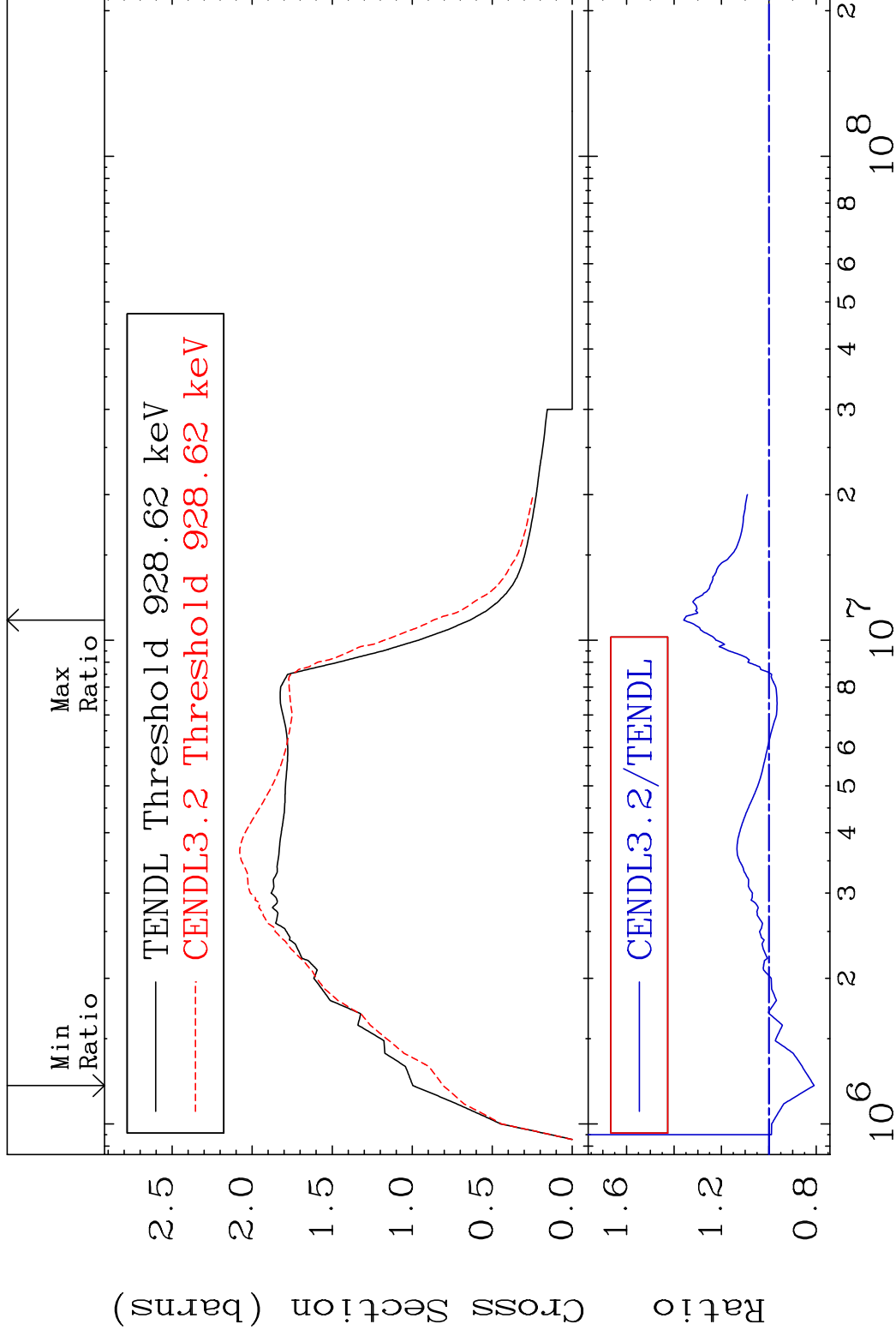
40-Zr-94

MAT 4037

Inelastic

40-Zr-94

Cross Section -19.07 To 35.94 %



3

Incident Energy (eV)

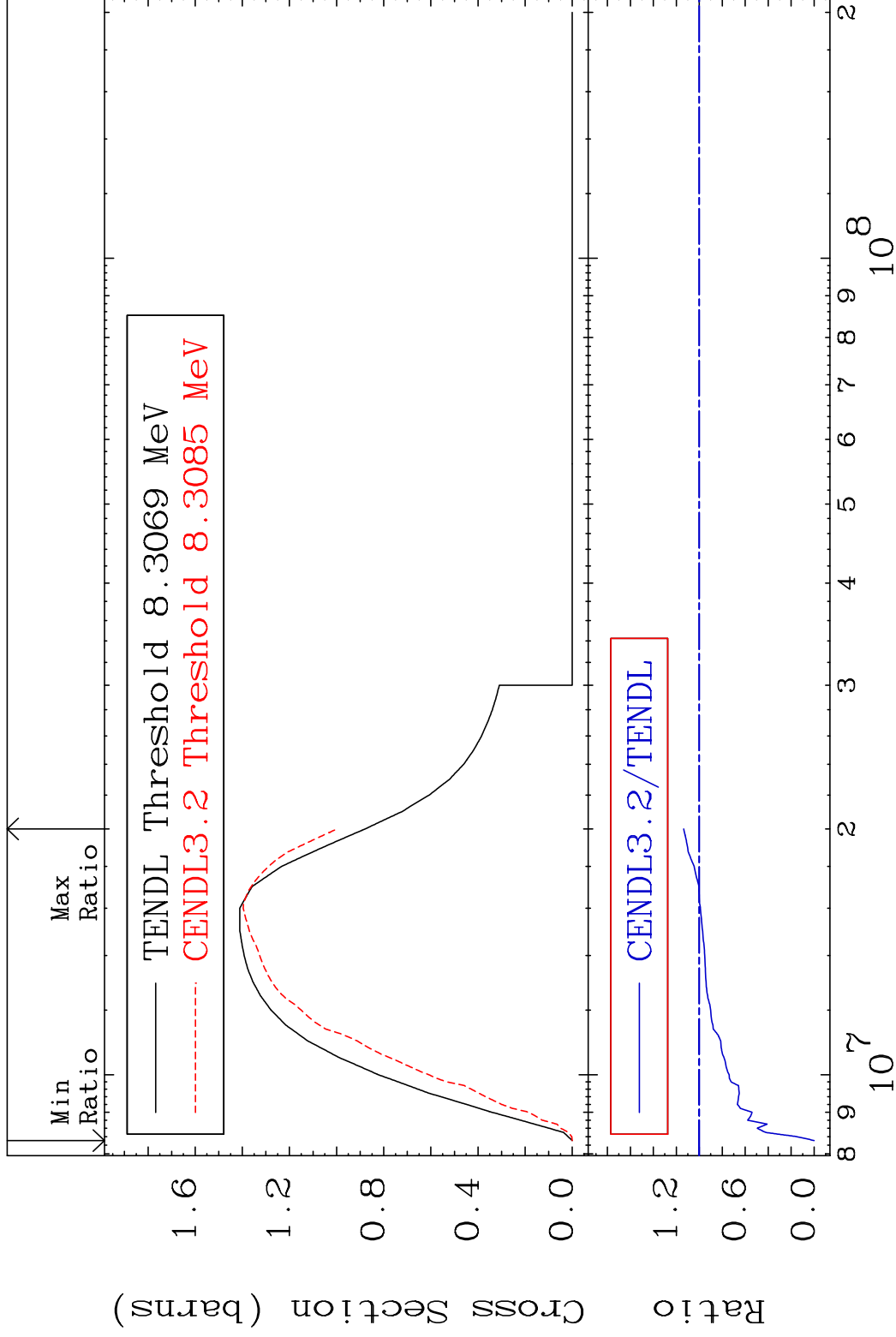
40-Zr-94

MAT 4037

(n,2n)

40-Zr-94

Cross Section -100.0 To 13.60 %



4

Incident Energy (eV)

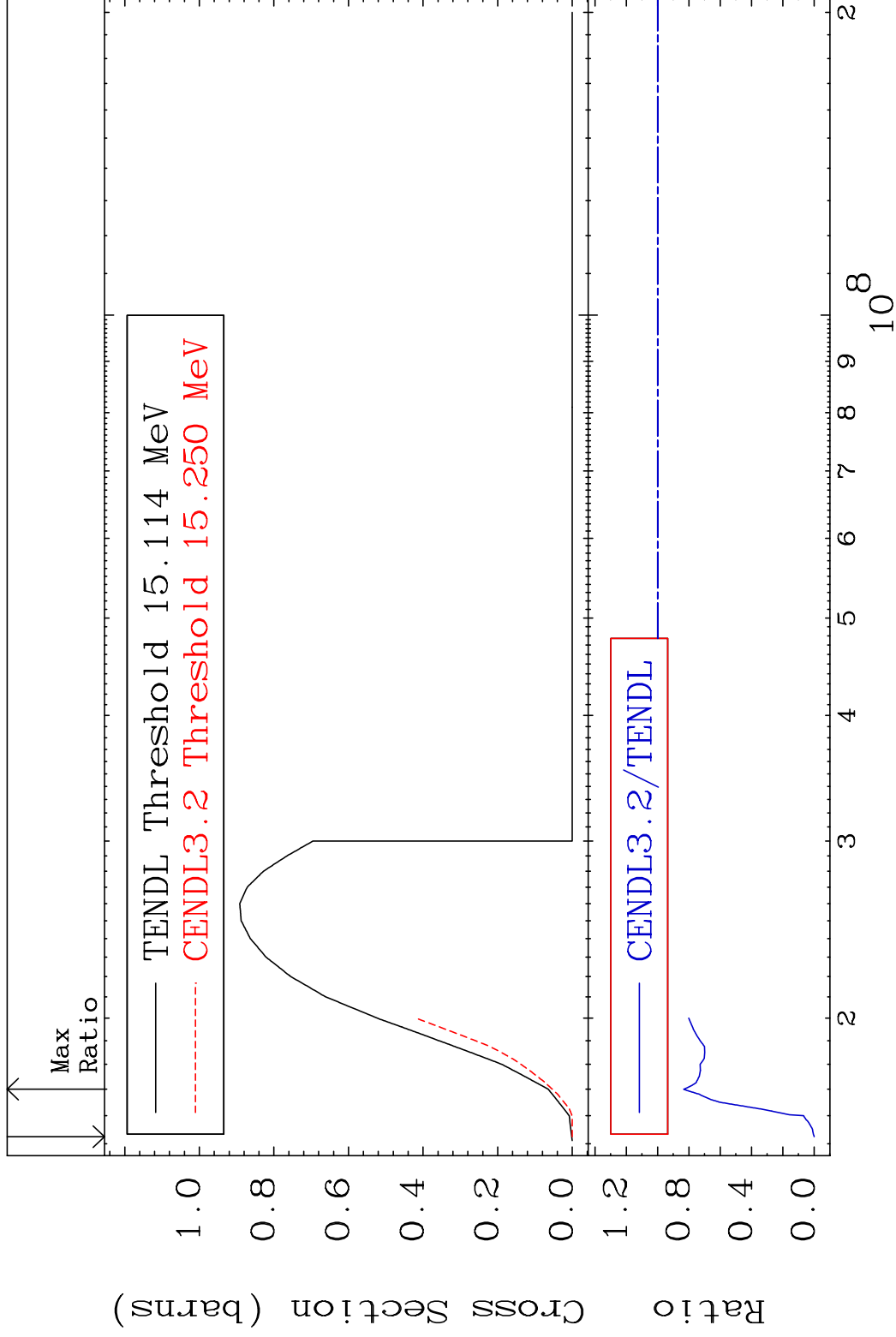
40-Zr-94

MAT 4037

(n,3n)

40-Zr-94

Cross Section -100.0 To -16.66%



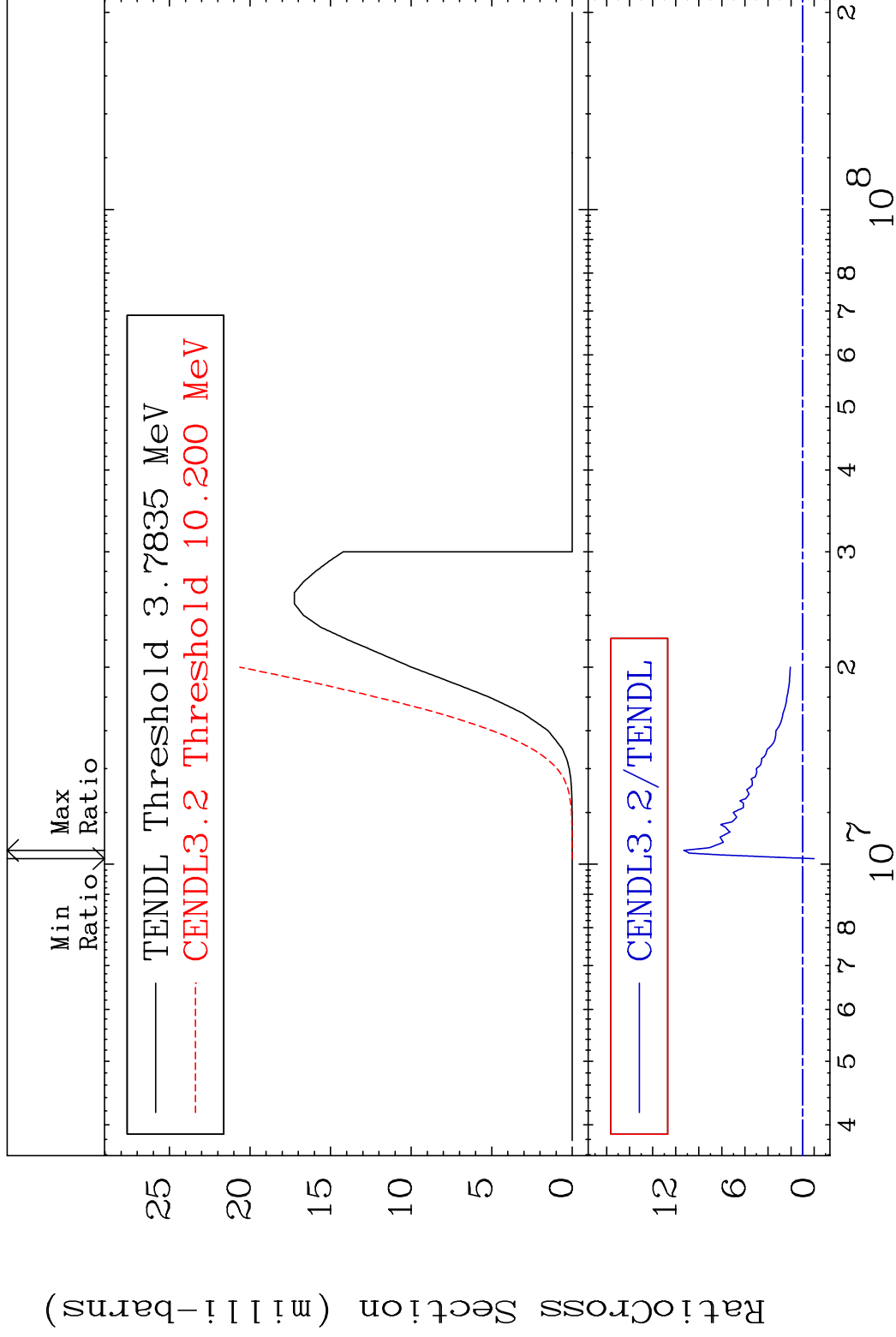
5

Incident Energy (eV)

40-Zr-94

MAT 4037

(n, n') α 40-Zr-94
Cross Section -100.0 To 1032. %



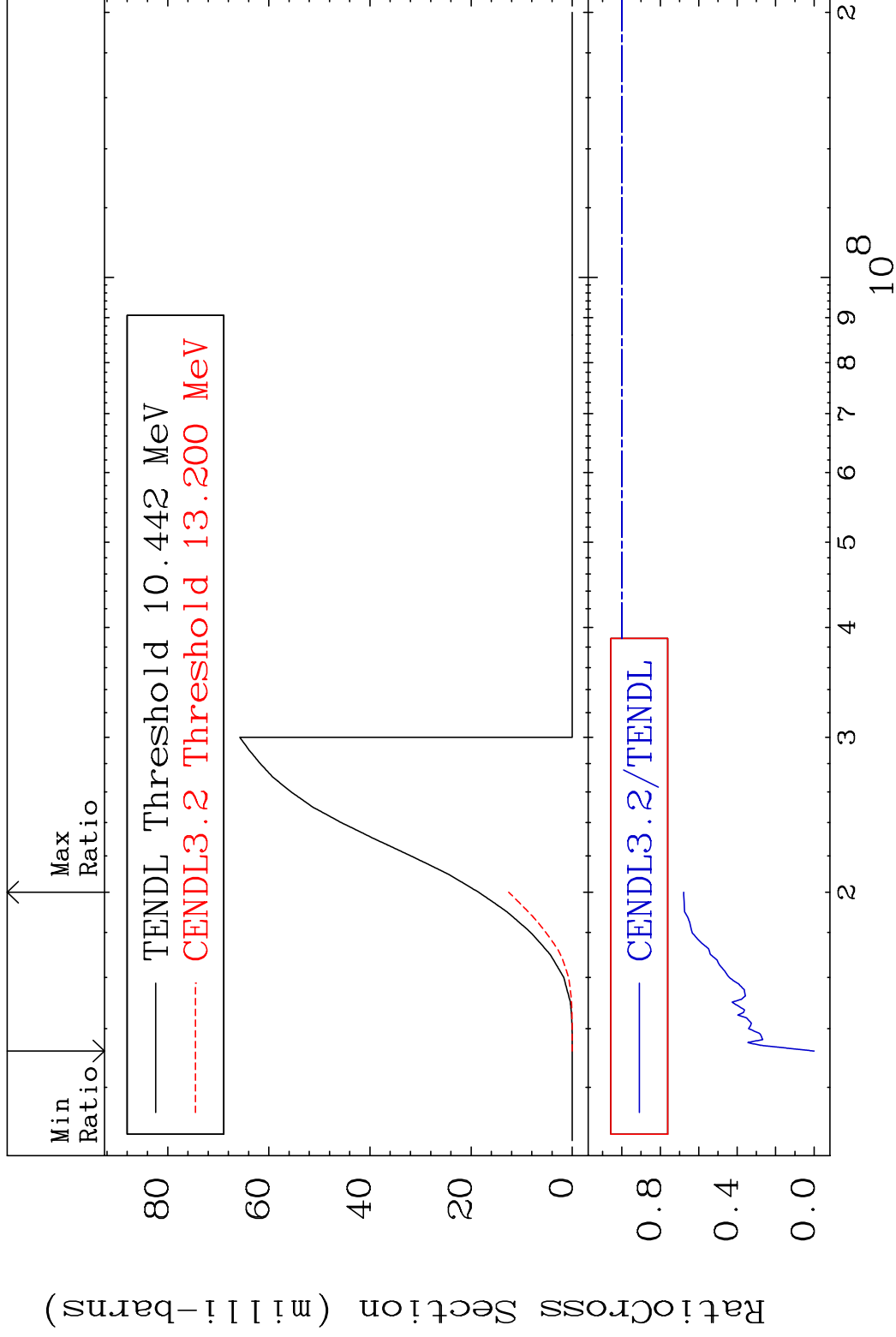
6

MAT 4037

(n, n') p

40-Zr-94

Cross Section -100.0 To -32.15%

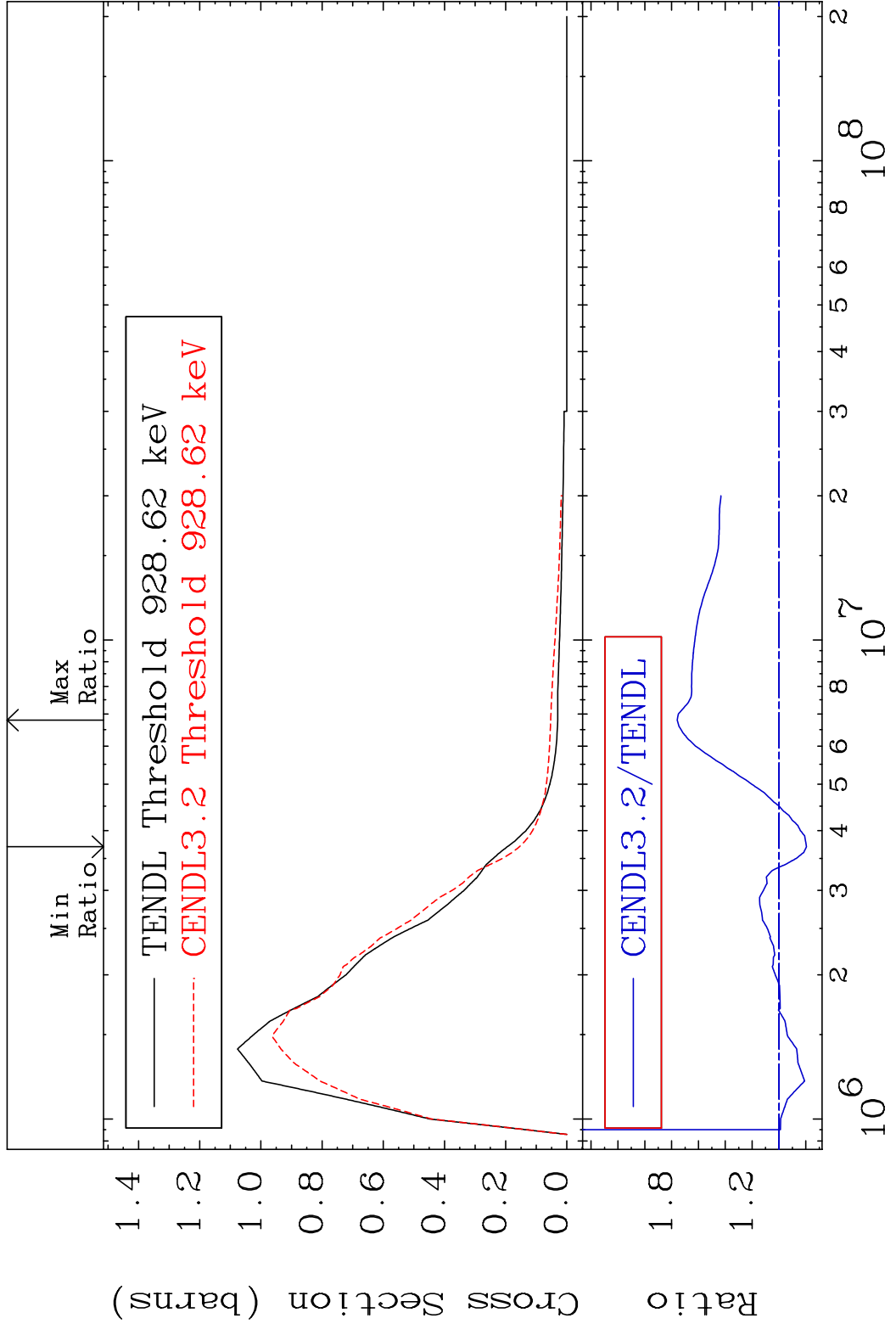


7

Incident Energy (eV)

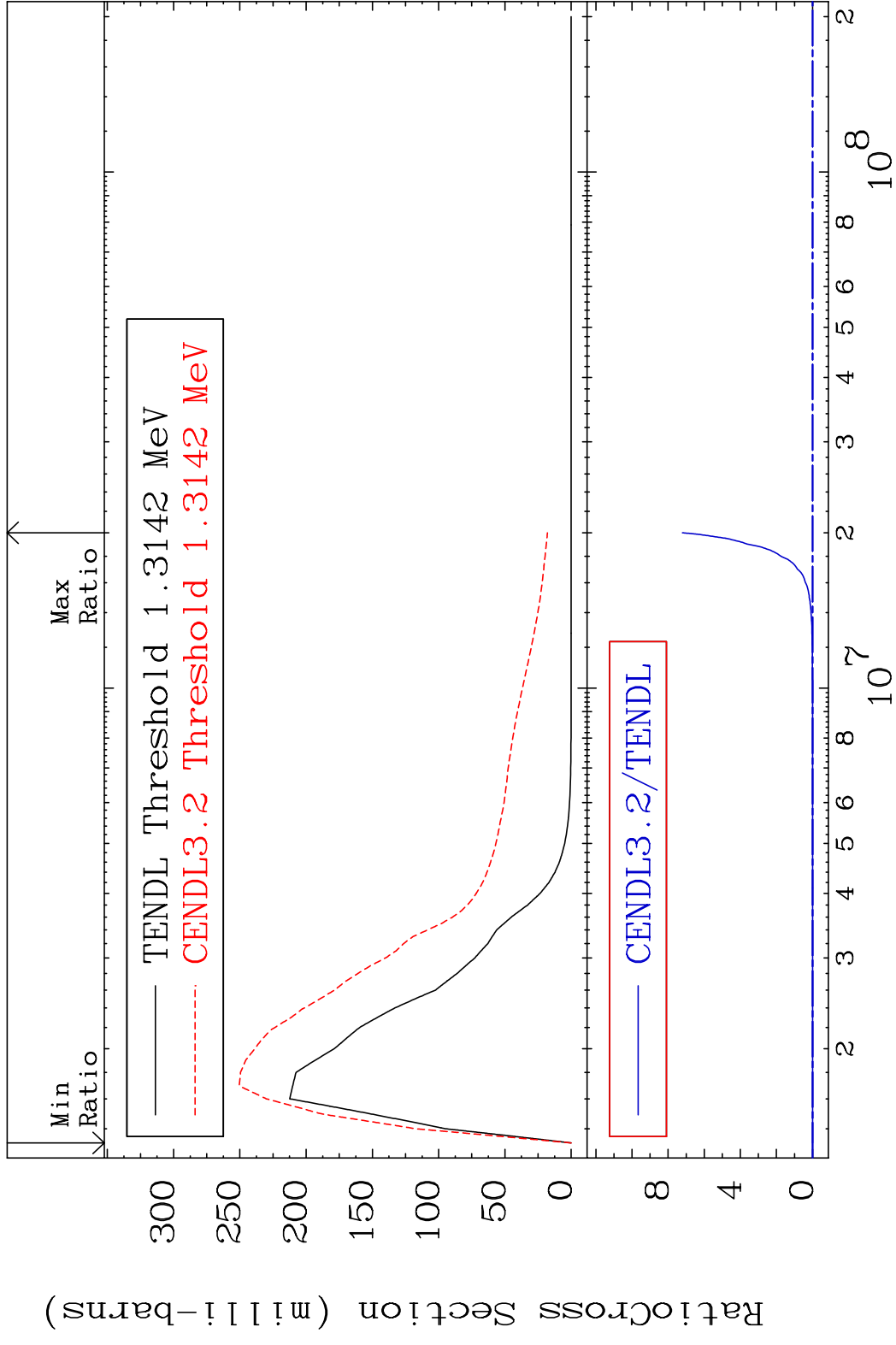
40-Zr-94

MAT 4037 MT= 51 (n,n') Level 40-Zr-94
 Cross Section -20.41 To 75.85 %

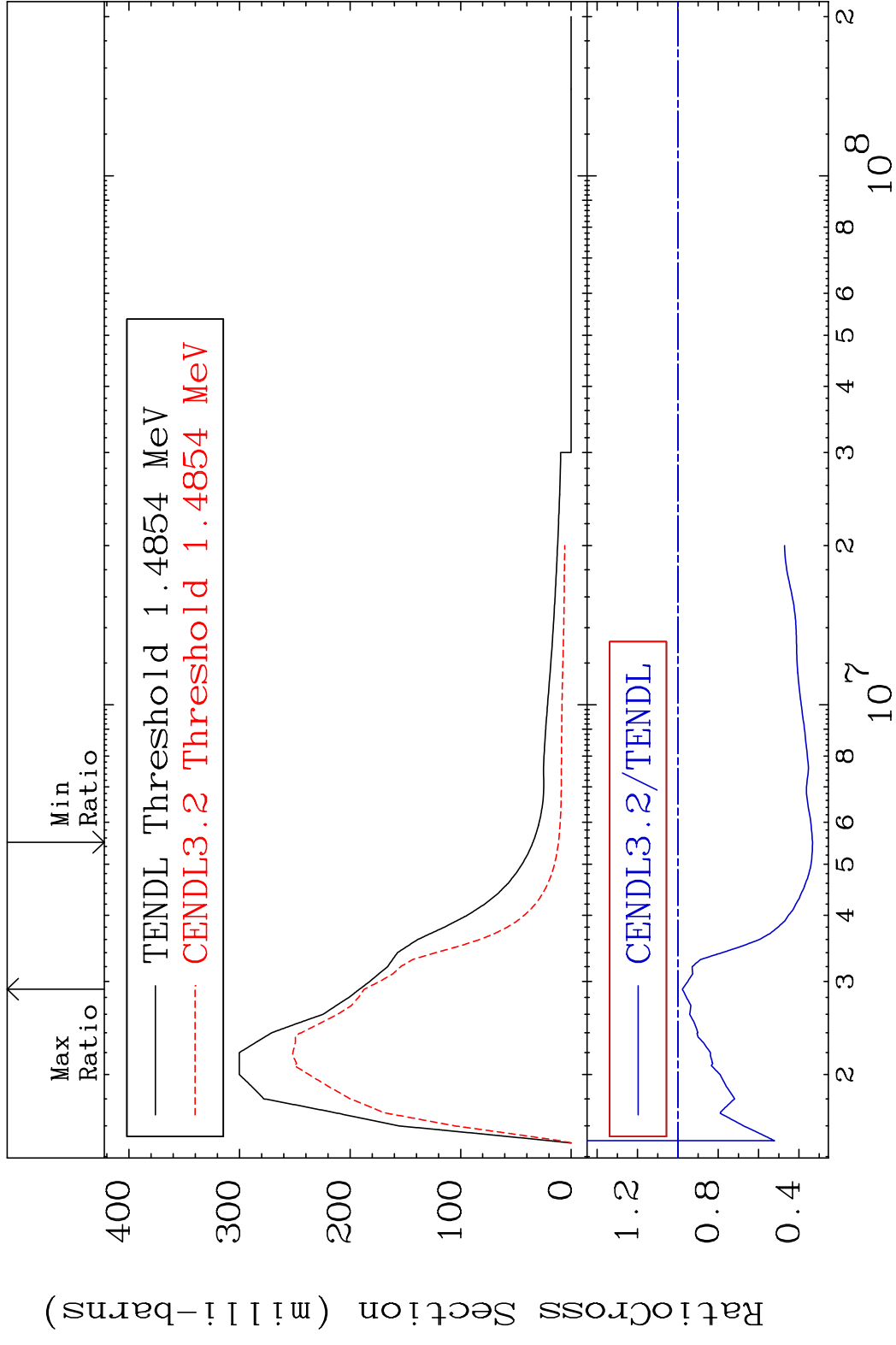


8 8 8 40-Zr-94

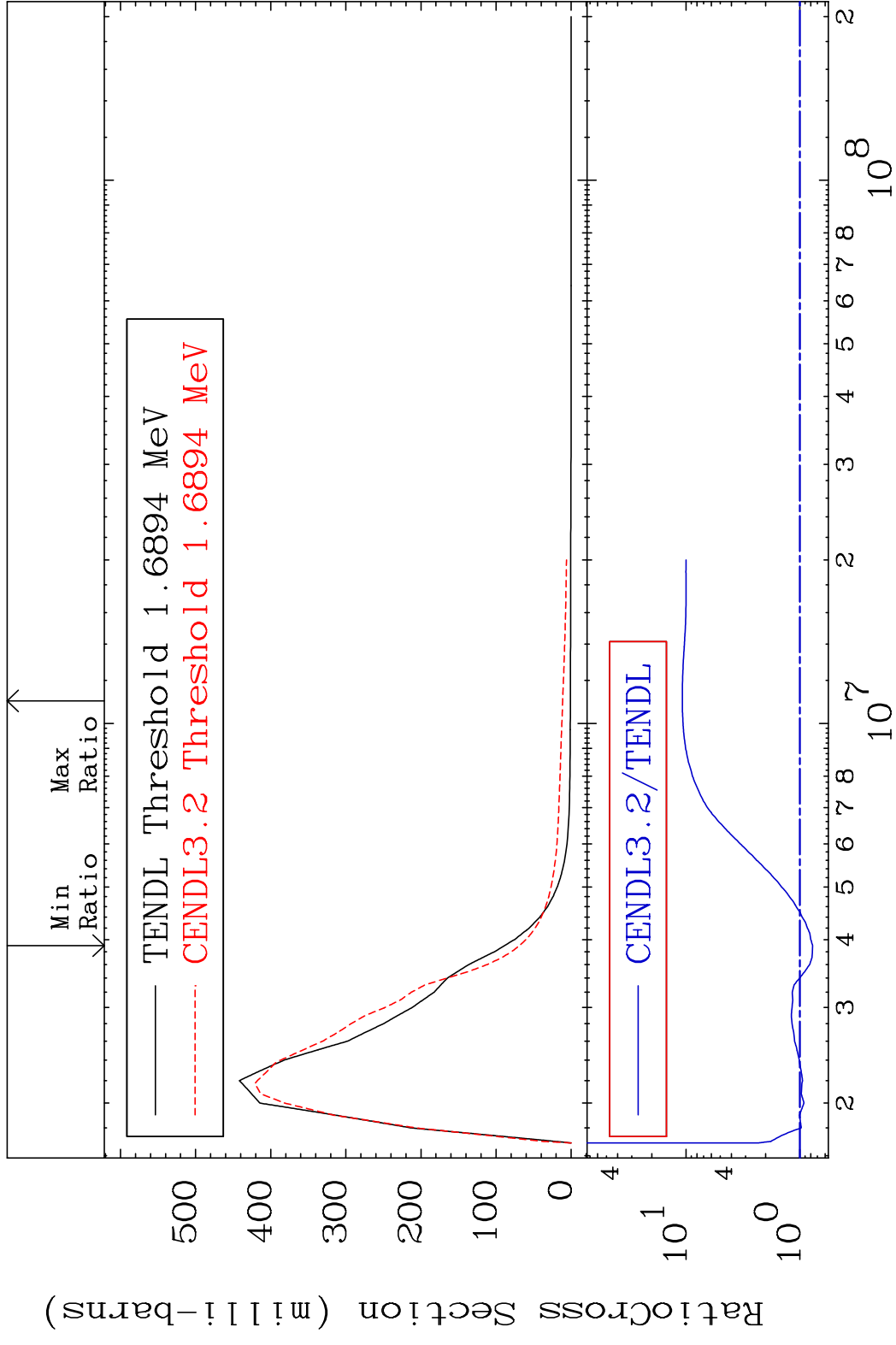
MAT 4037 MT= 52 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 9999. %



MAT 4037 MT= 53 (n,n') Level 40-Zr-94
 Cross Section -66.72 To -2.219%

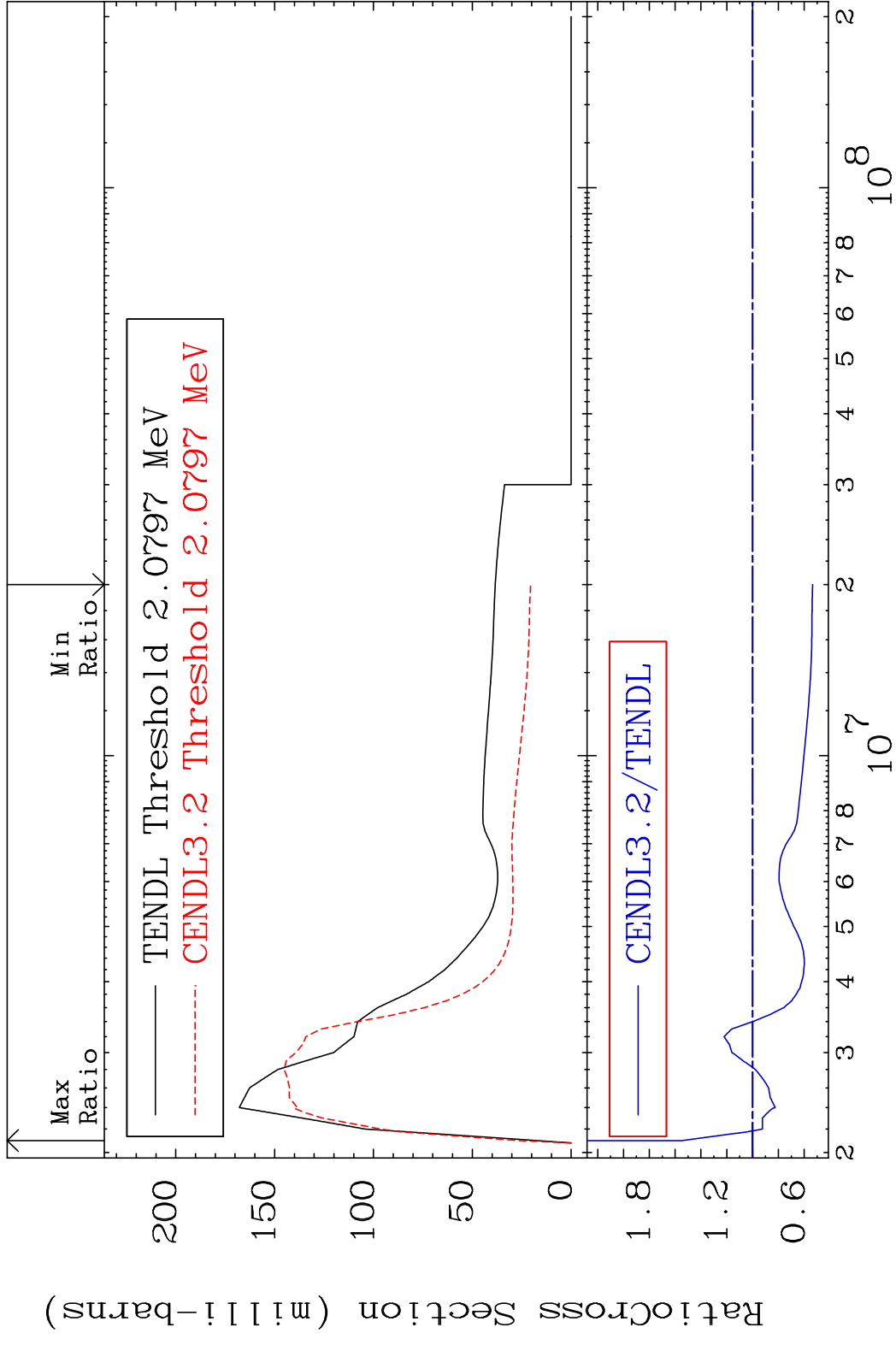


MAT 4037 MT= 54 (n, n') Level 40-Zr-94
 Cross Section -22.69 To 978.1 %

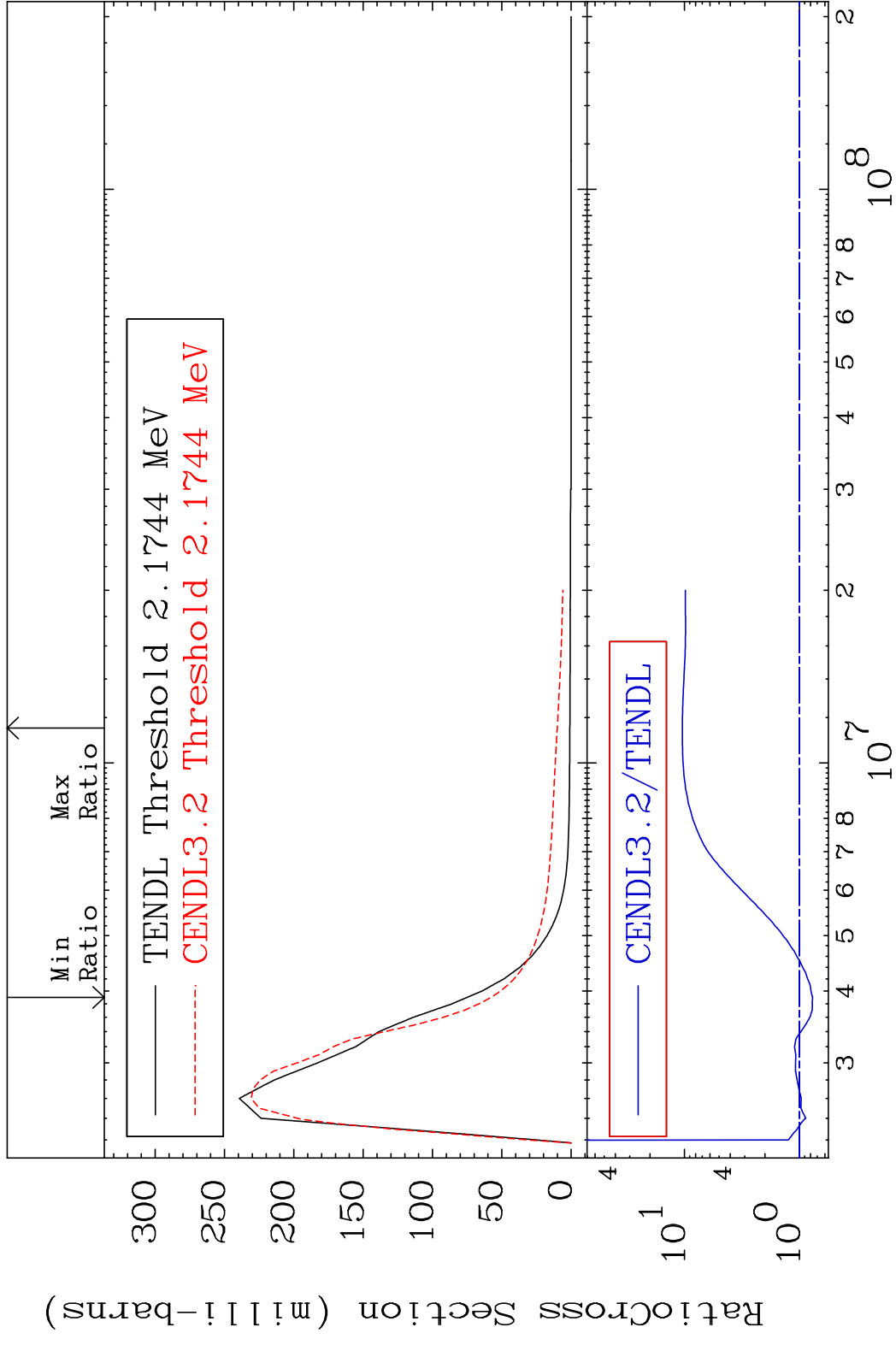


11 Incident Energy (eV) 40-Zr-94

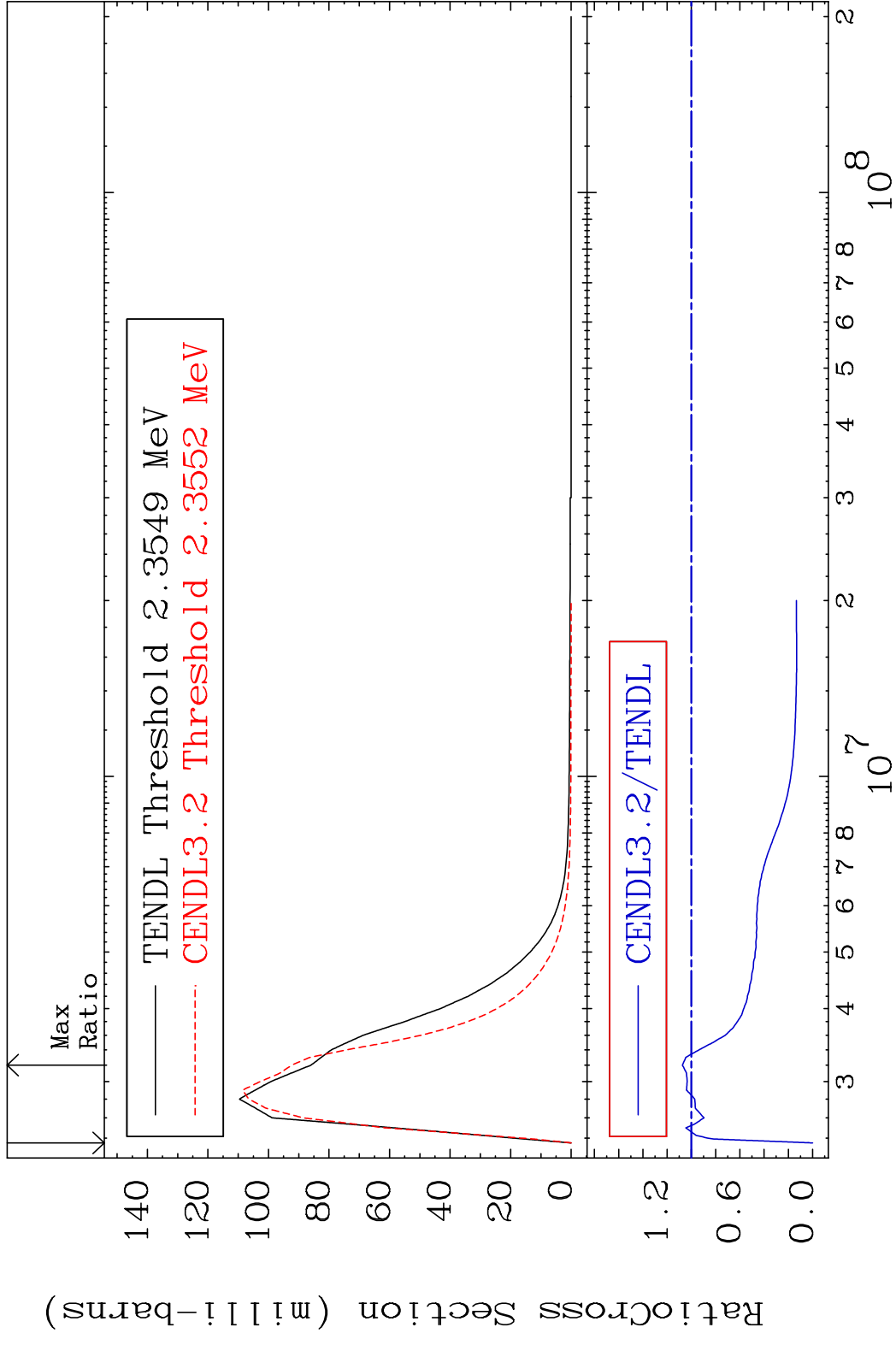
MAT 4037 MT= 55 (n, n') Level 40-Zr-94
 Cross Section -46.45 To 54.41 %



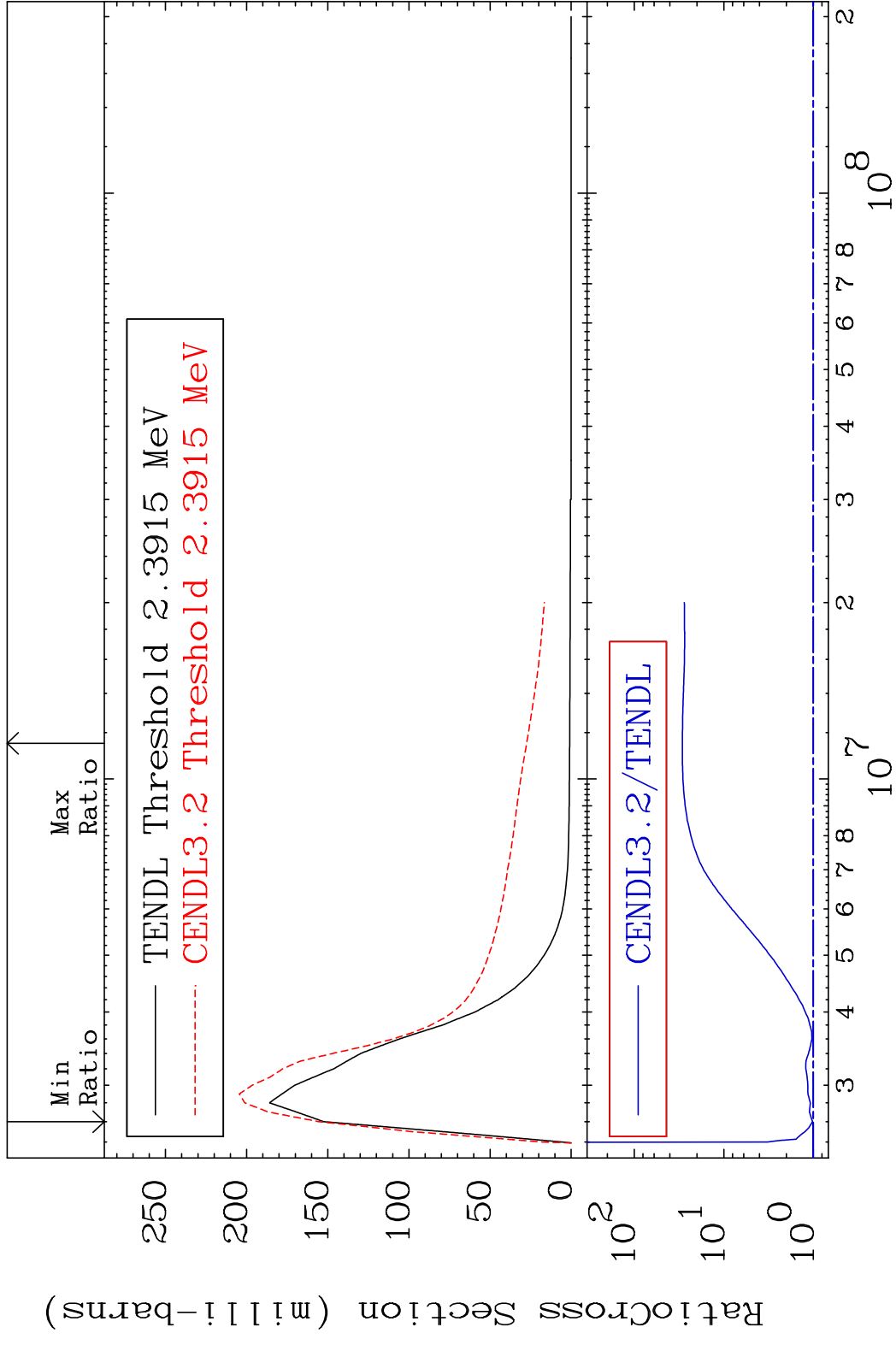
MAT 4037 MT= 56 (n,n') Level 40-Zr-94
 Cross Section -23.07 To 944.1 %



MAT 4037 MT= 57 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 7.453 %

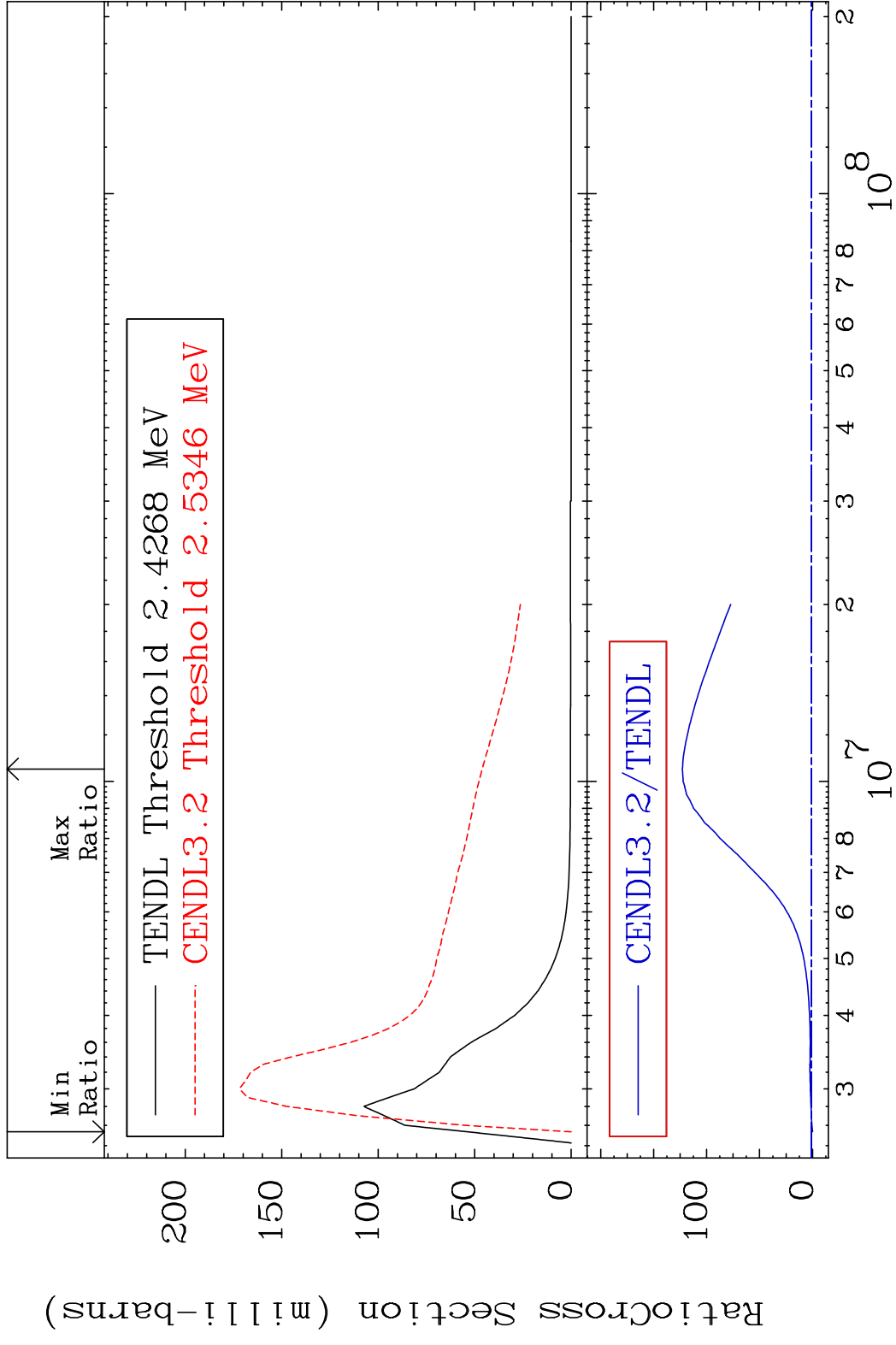


MAT 4037 MT= 58 (n, n') Level 40-Zr-94
 Cross Section 1.959 To 2807. %

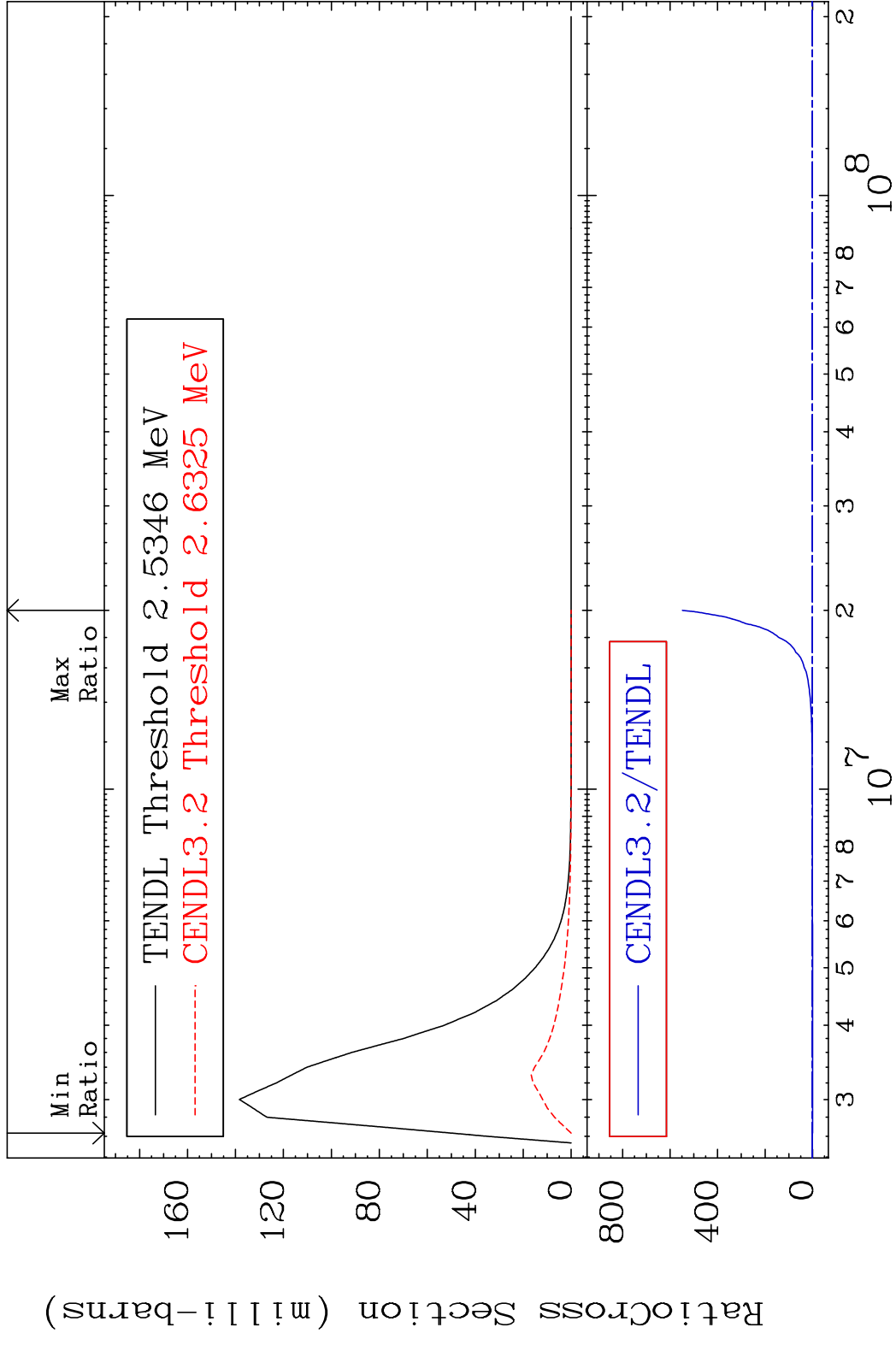


15 Incident Energy (eV) 40-Zr-94

MAT 4037 MT= 59 (n,n') Level 40-Zr-94
 Cross Section -100.0 To 9999. %

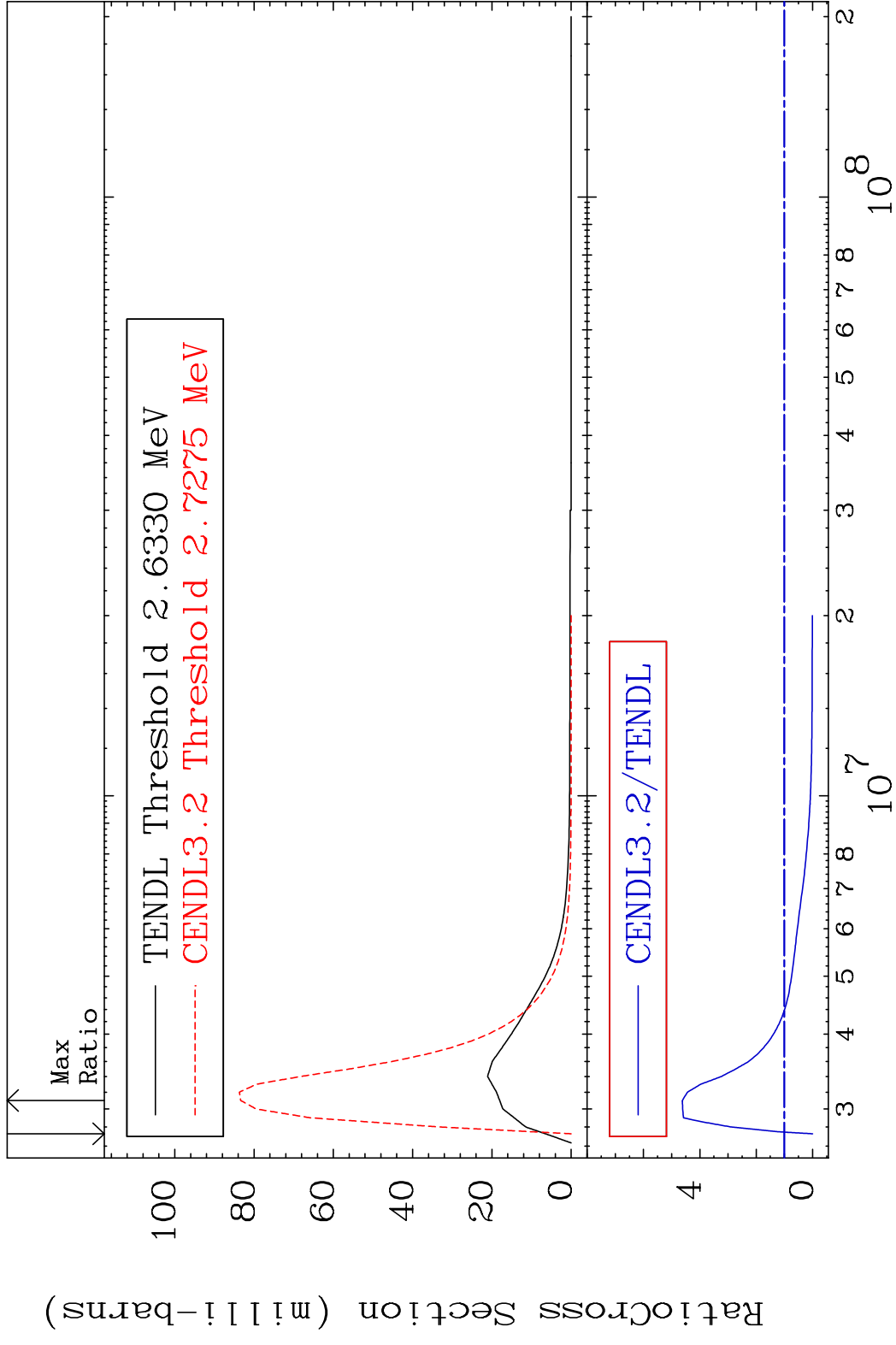


MAT 4037 MT= 60 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 9999. %



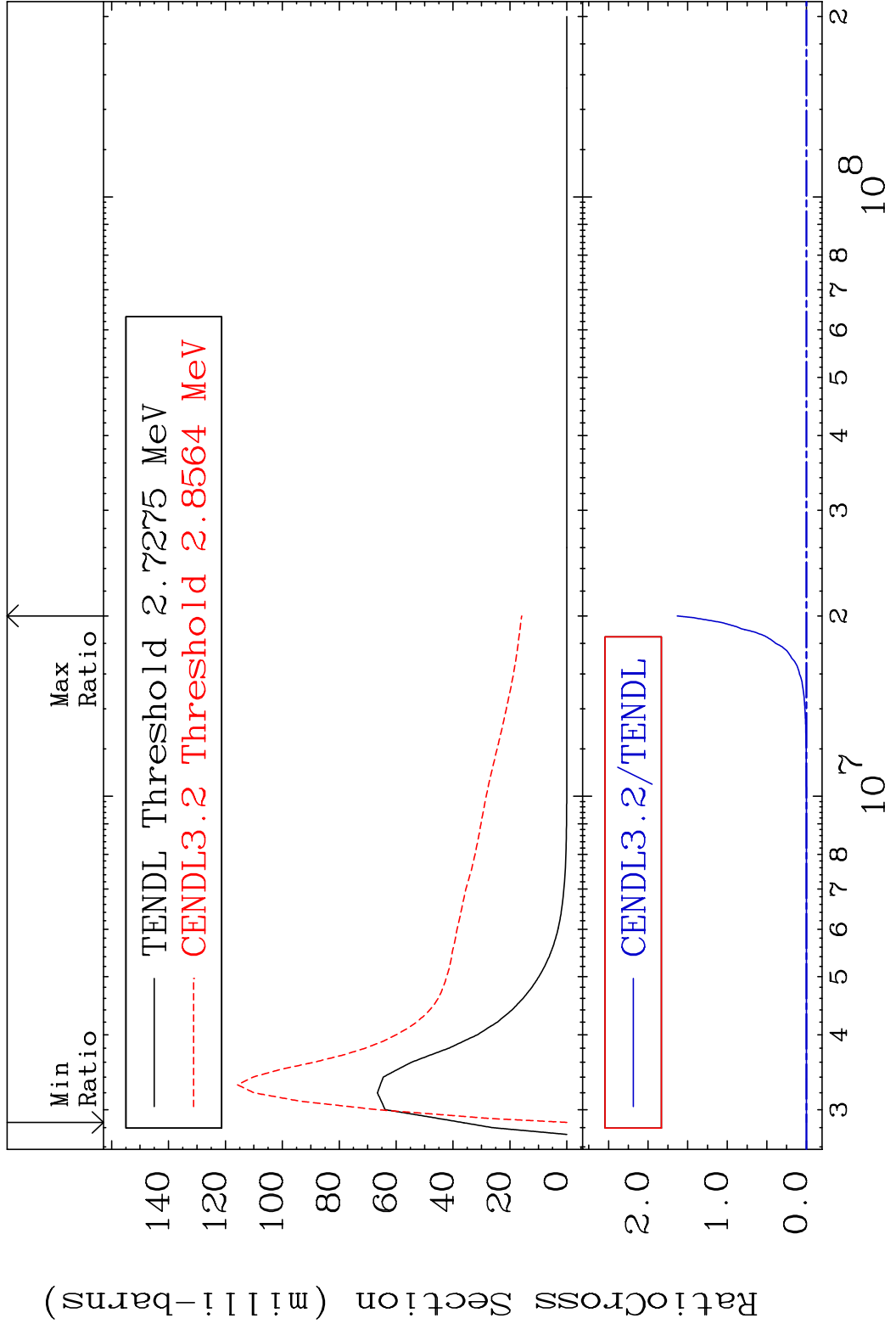
17 40-Zr-94

MAT 4037 MT= 61 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 362.1 %

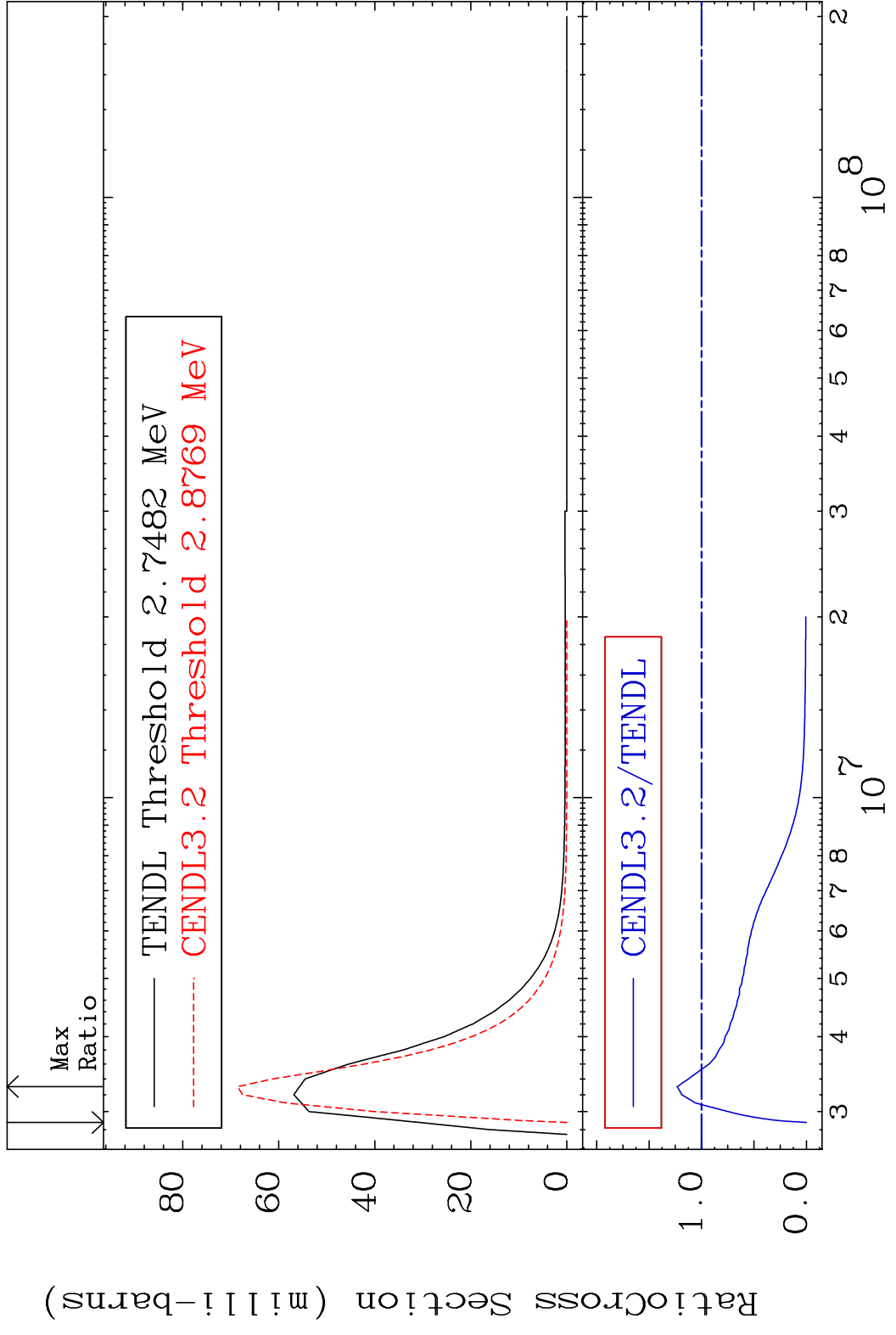


18 Incident Energy (eV) 40-Zr-94

MAT 4037 MT= 62 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 9999. %



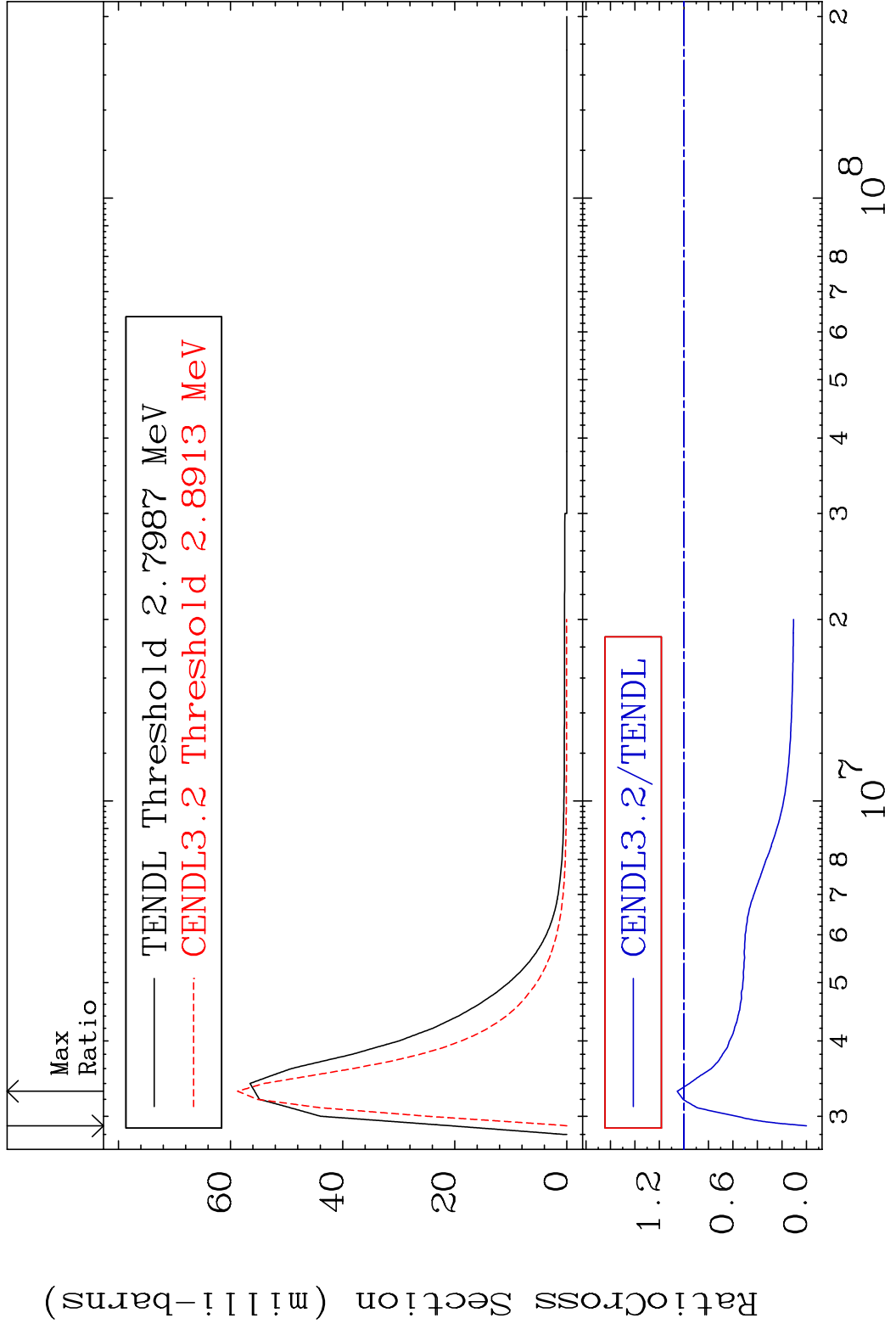
MAT 4037 MT= 63 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 23.18 %



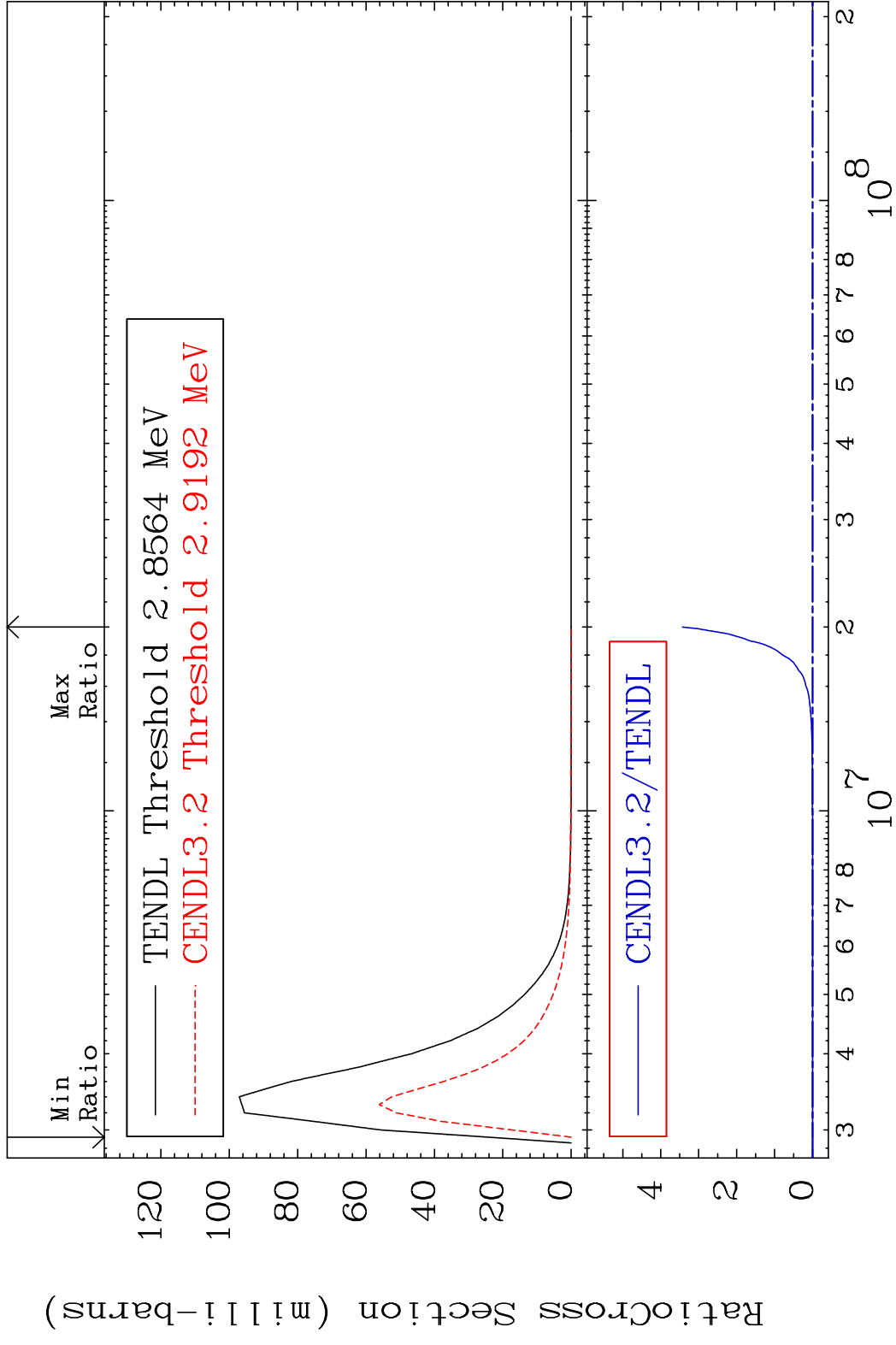
20

40-Zr-94

MAT 4037 MT= 64 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 5.499 %

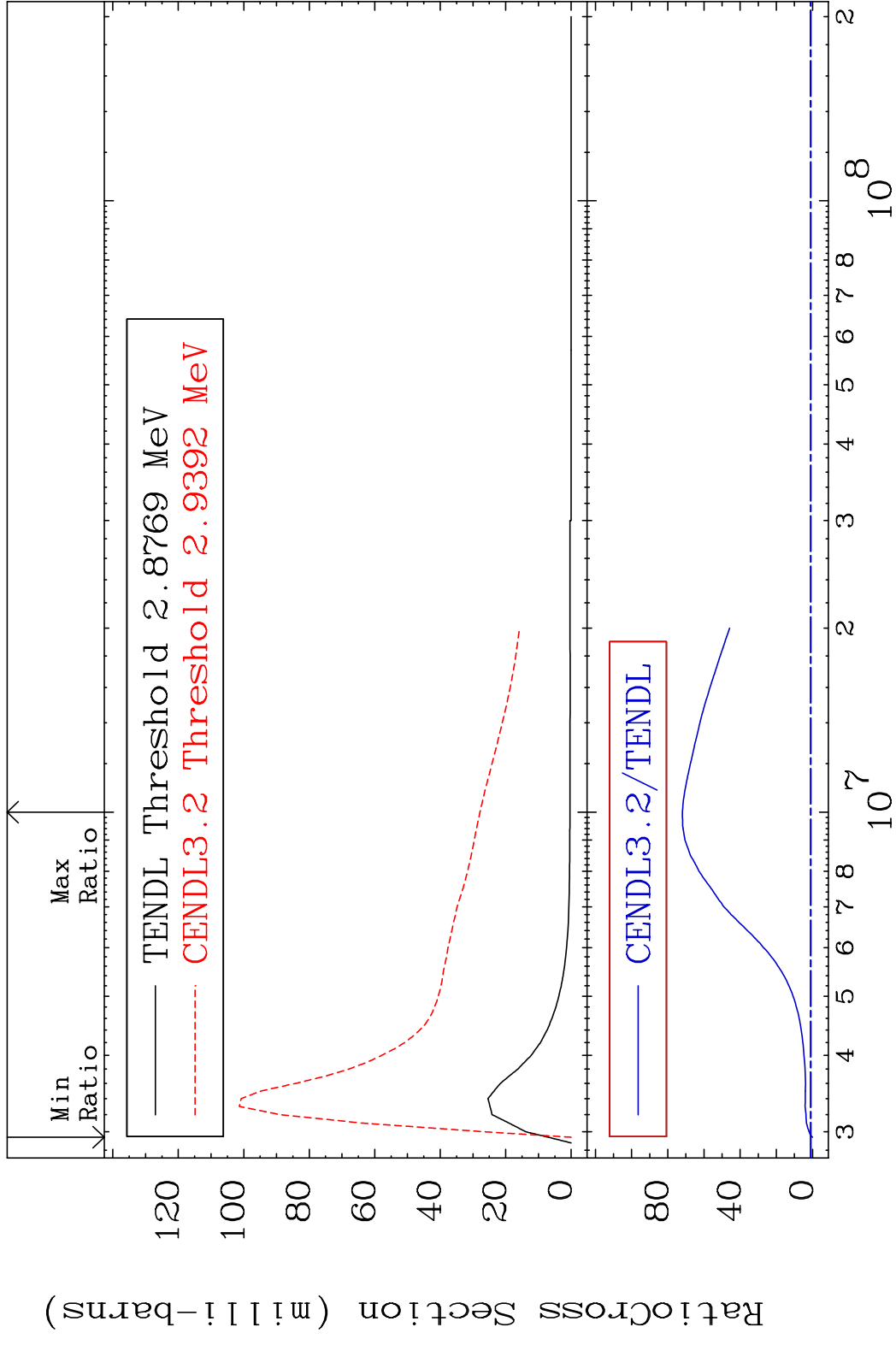


MAT 4037 MT= 65 (n, n') Level 40-Zr-94
 Cross Section -100.0 To 9999. %

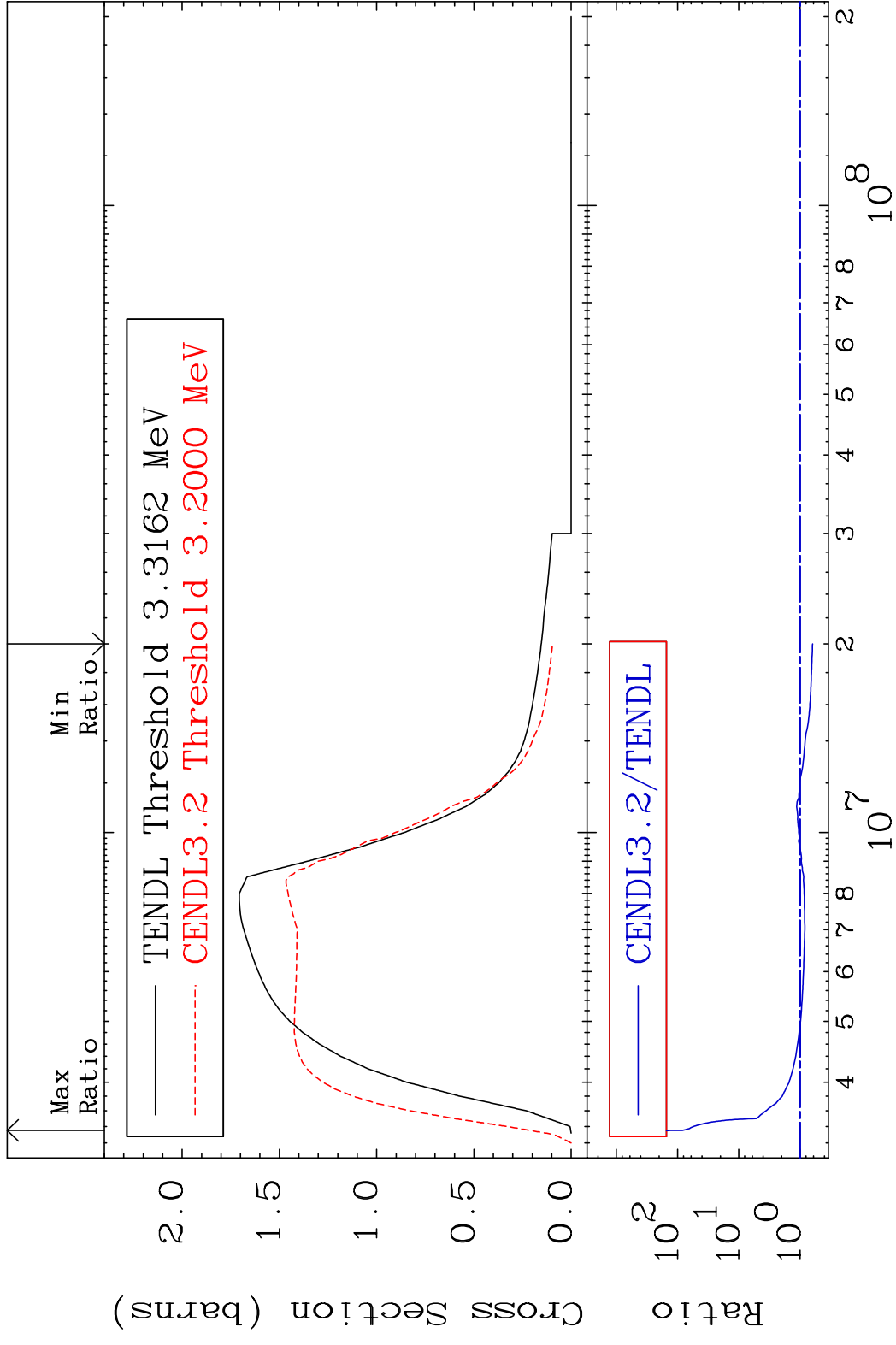


22 Incident Energy (eV) 40-Zr-94

MAT 4037 MT= 66 (n,n') Level 40-Zr-94
 Cross Section -100.0 To 7097. %



MAT 4037 (n,n') Continuum 40-Zr-94
 Cross Section -37.58 To 8251. %

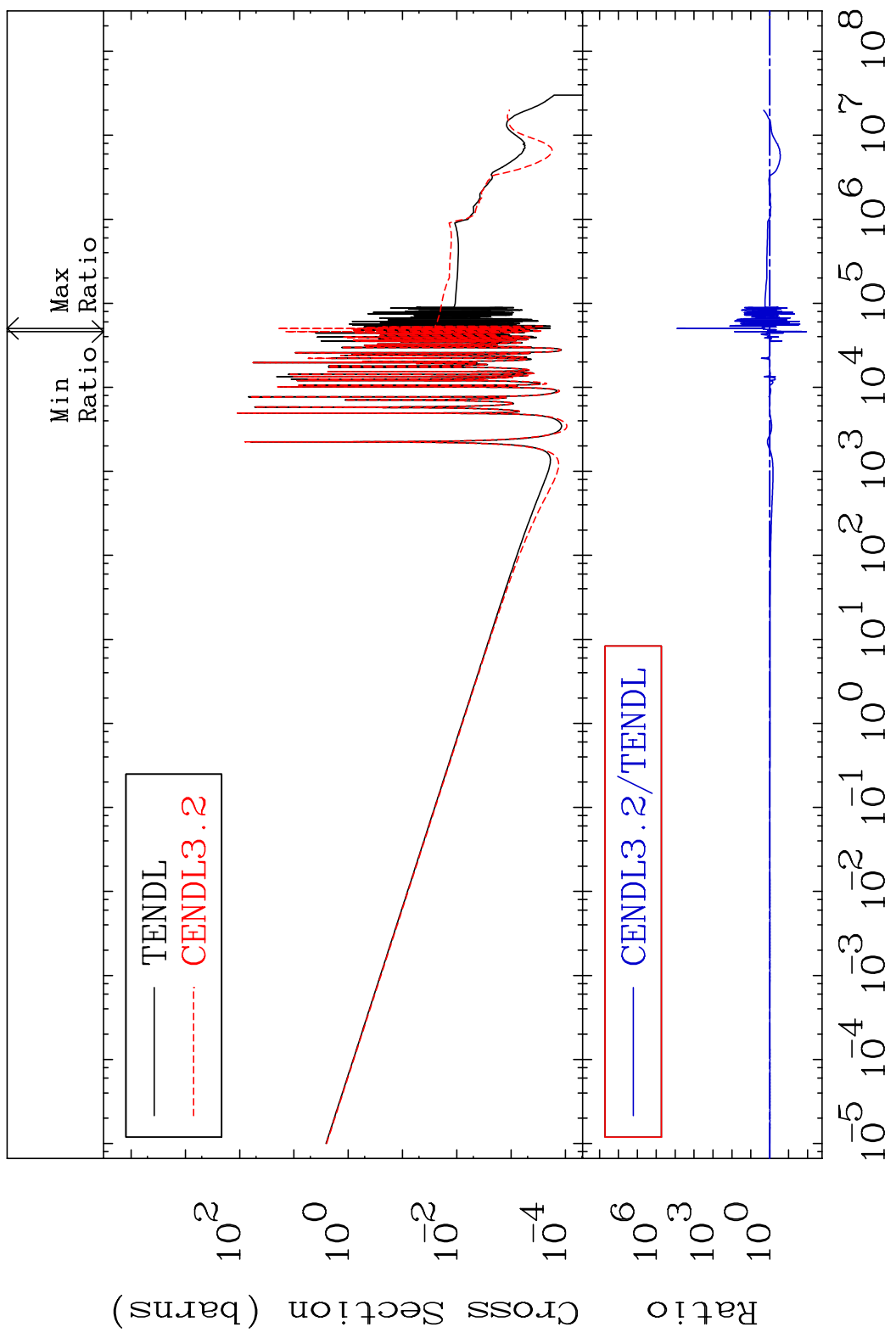


MAT 4037

(n, γ)

40-Zr-94

Cross Section -98.85 To 9999. %



25

Incident Energy (eV)

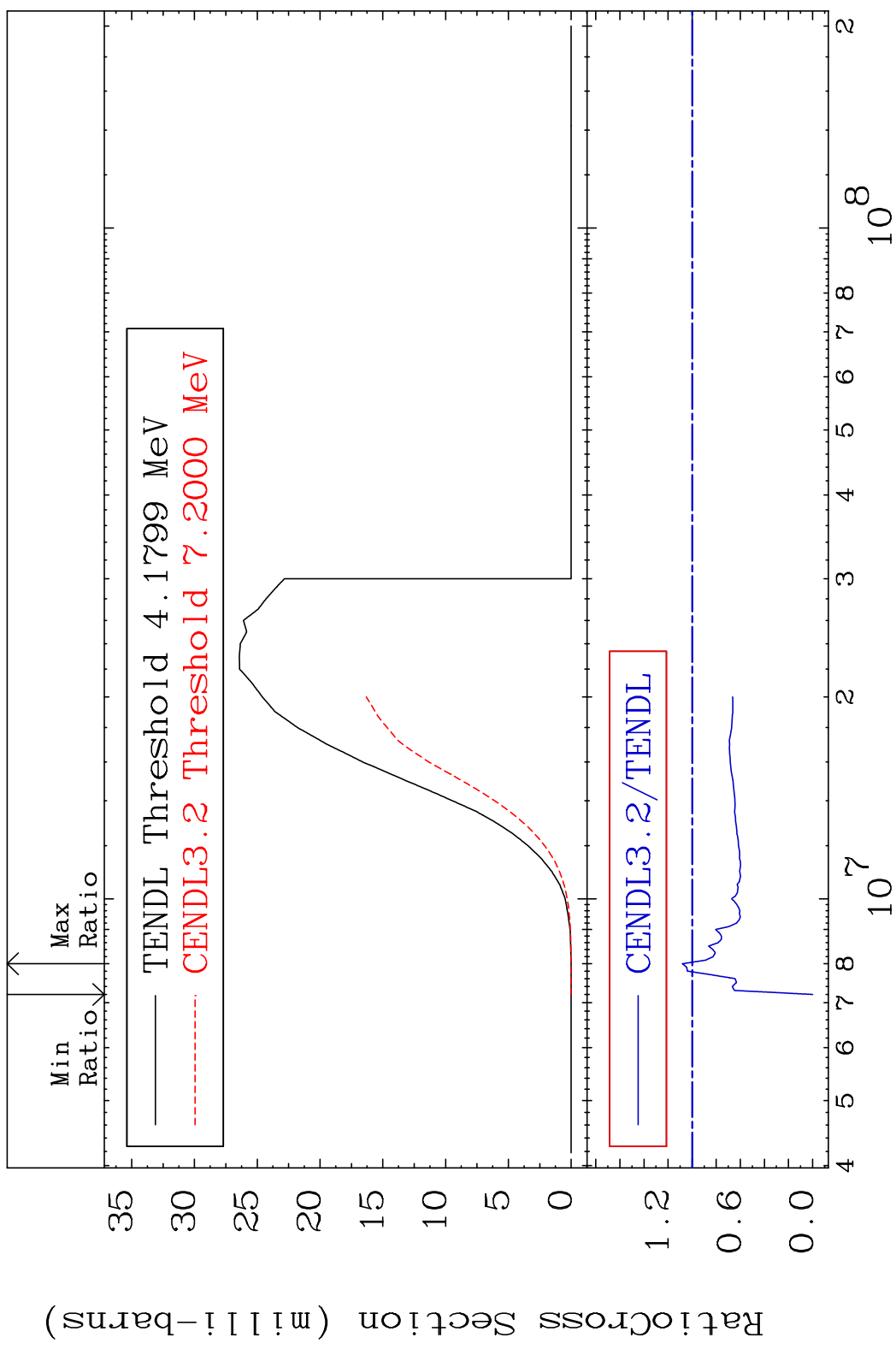
40-Zr-94

MAT 4037

(n, p)

40-Zr-94

Cross Section -100.0 To 8.128 %

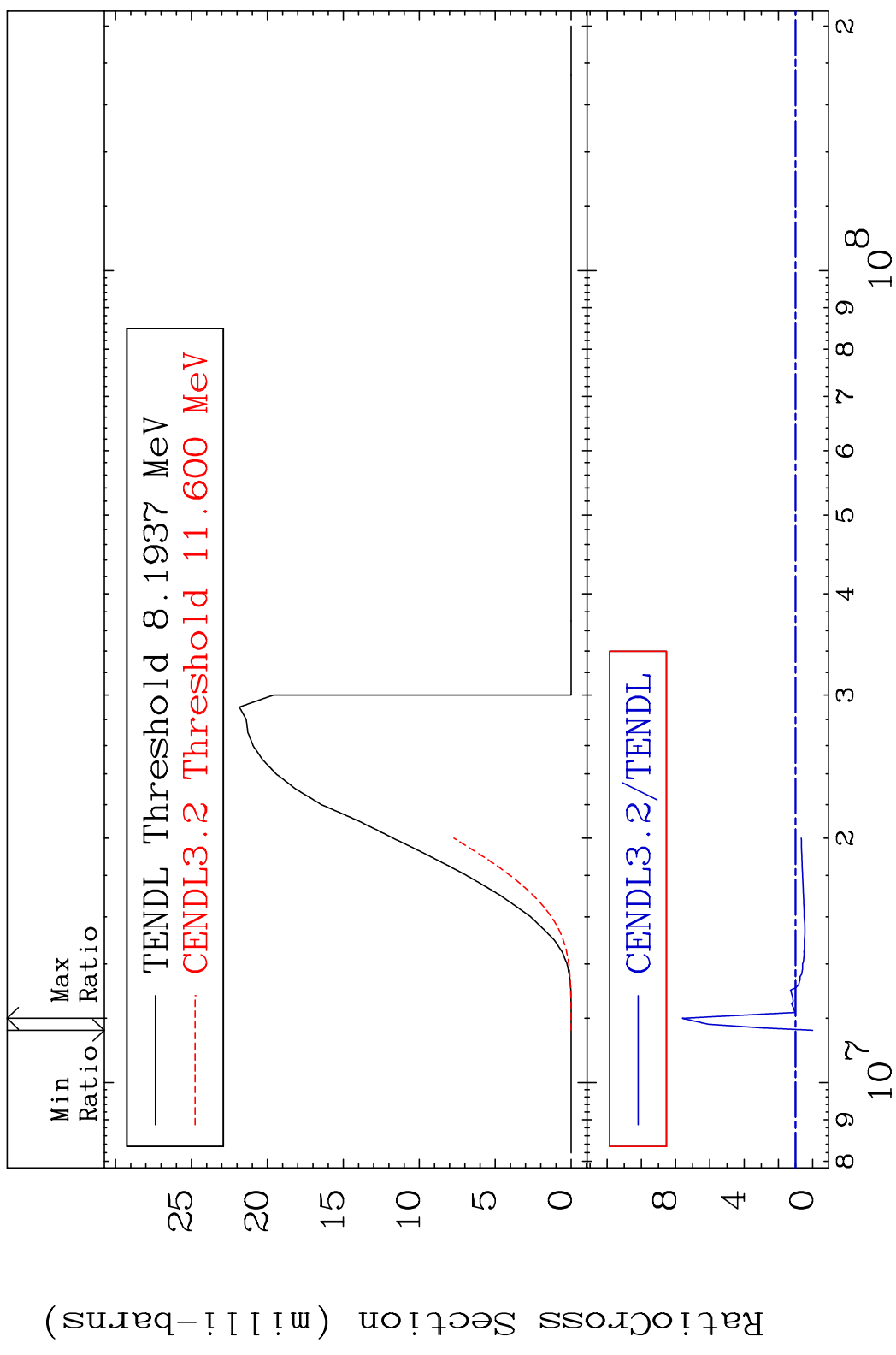


MAT 4037

(n, d)

40-Zr-94

Cross Section -100.0 To 660.8 %

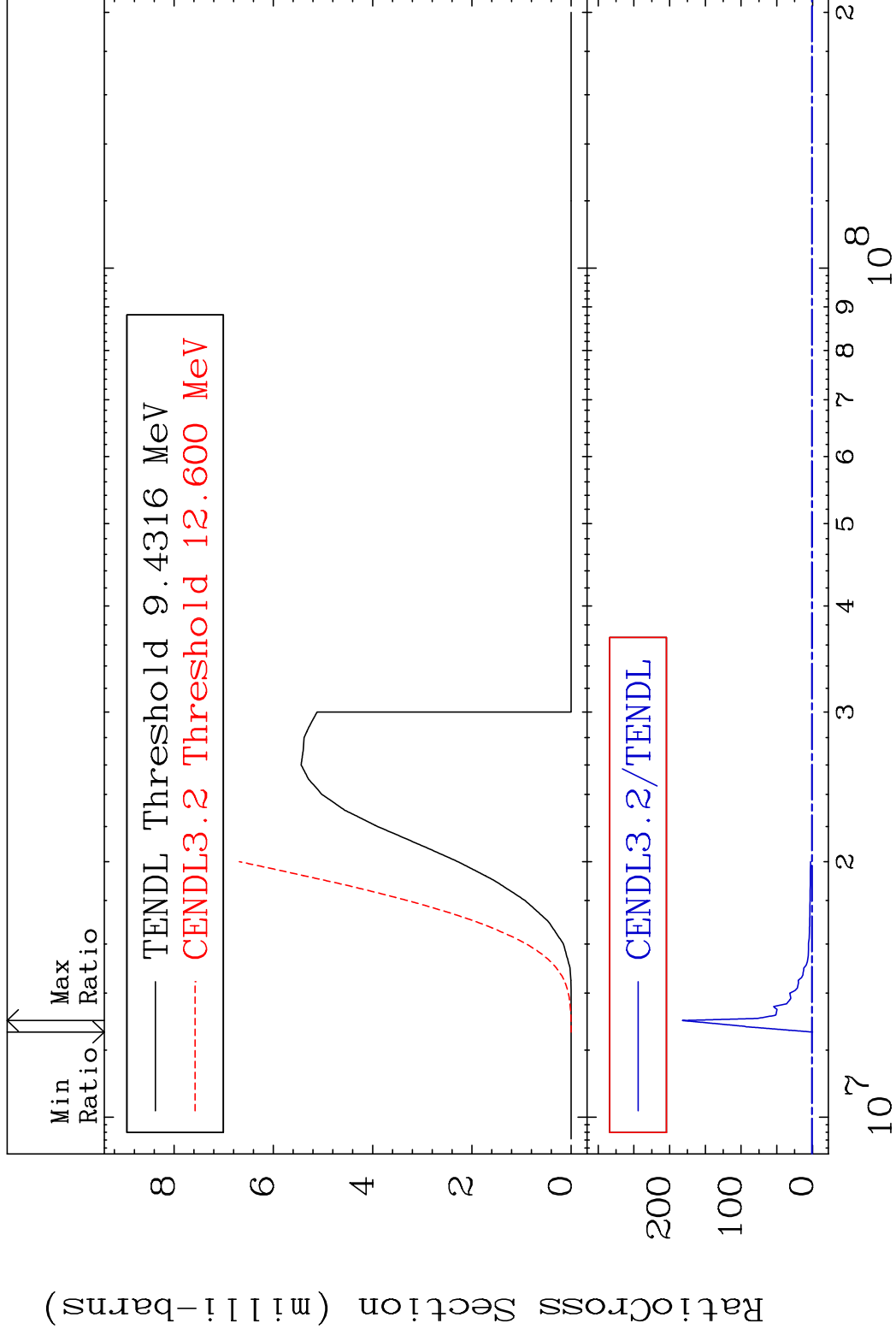


MAT 4037

(n, t)

40-Zr-94

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

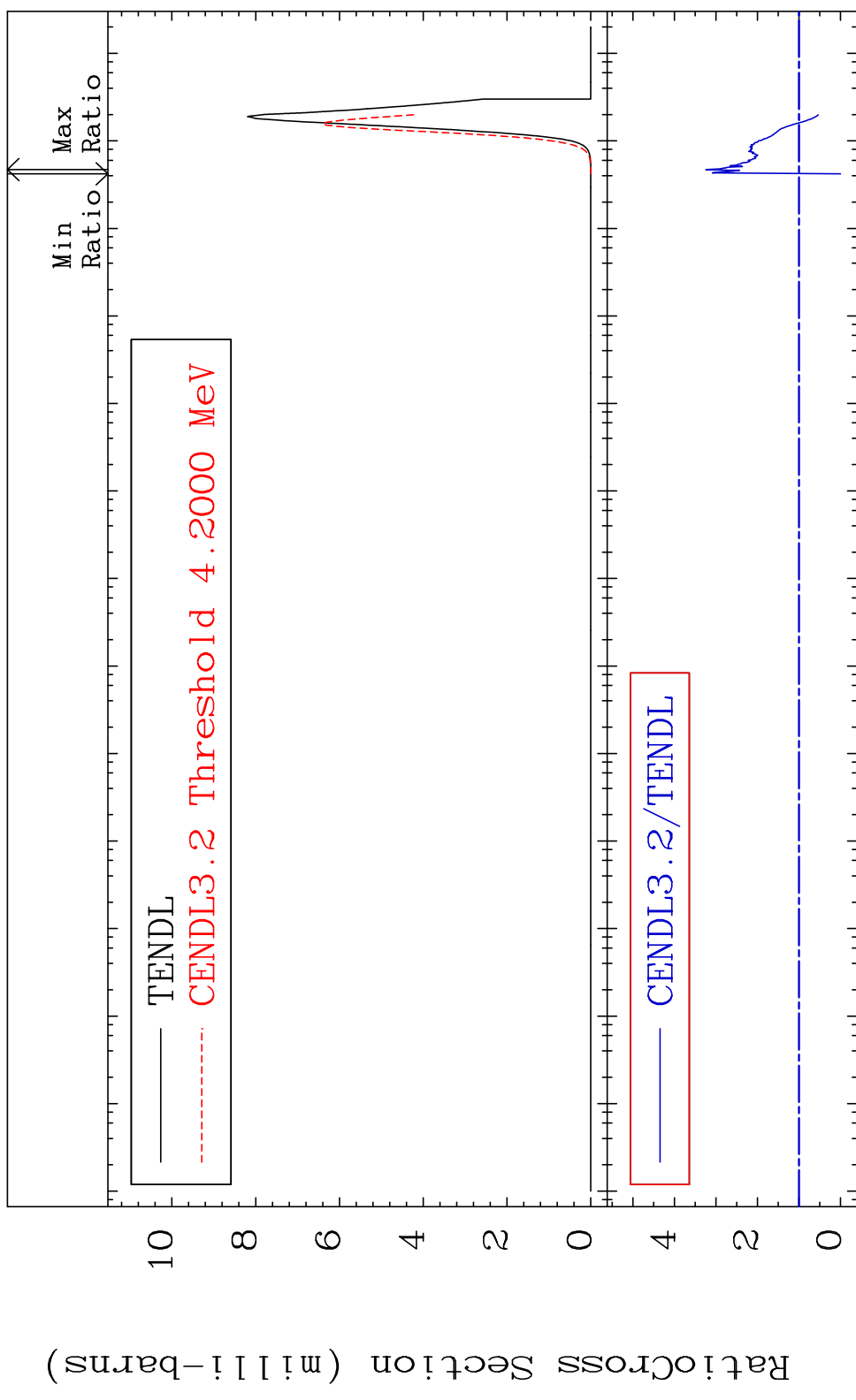
40-Zr-94

MAT 4037

(n, α)

40-Zr-94

Cross Section -100.0 To 224.5 %



29

Incident Energy (eV)

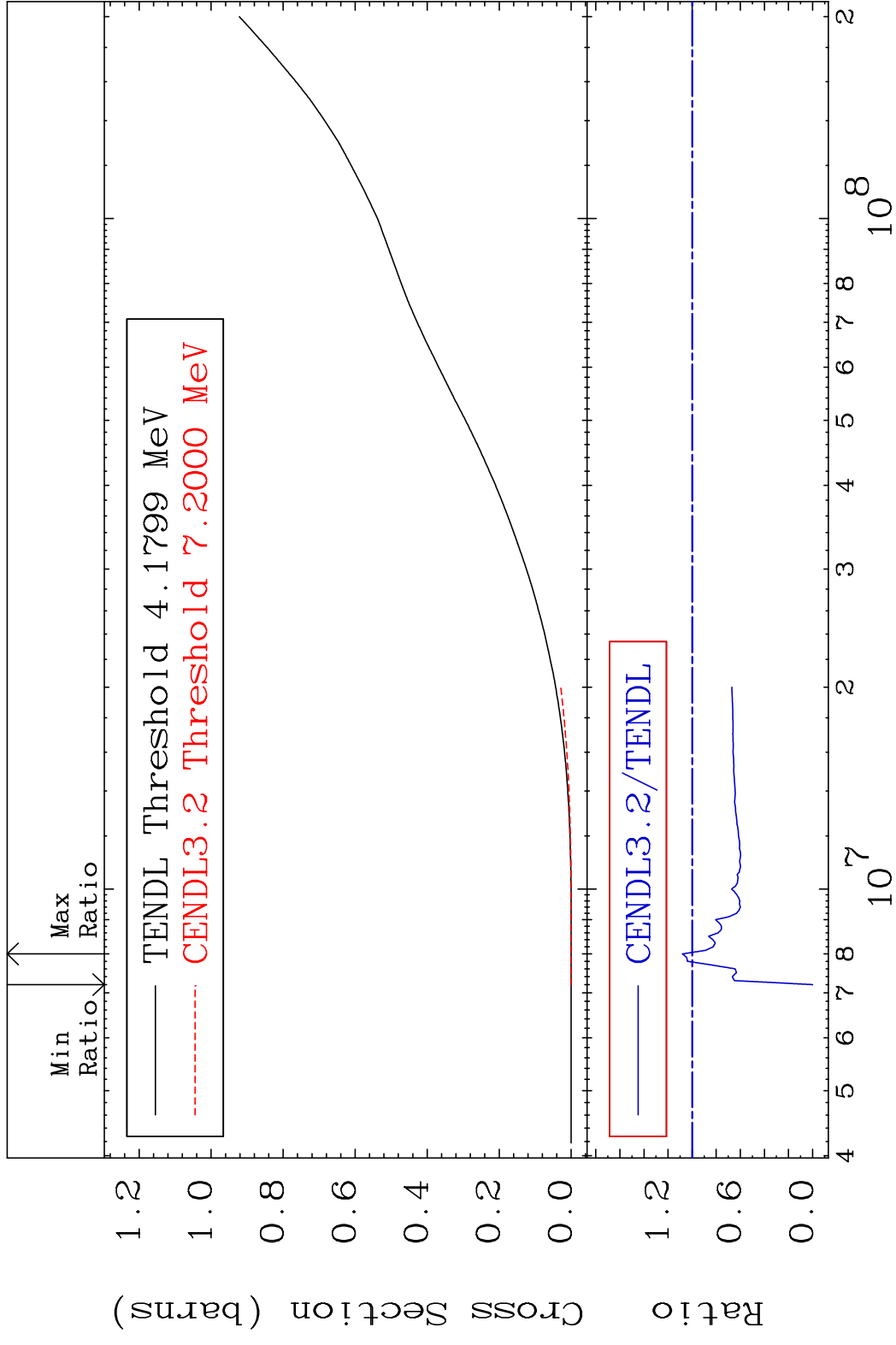
40-Zr-94

MAT 4037

Hydrogen Production

40-Zr-94

Cross Section -100.0 To 8.128 %

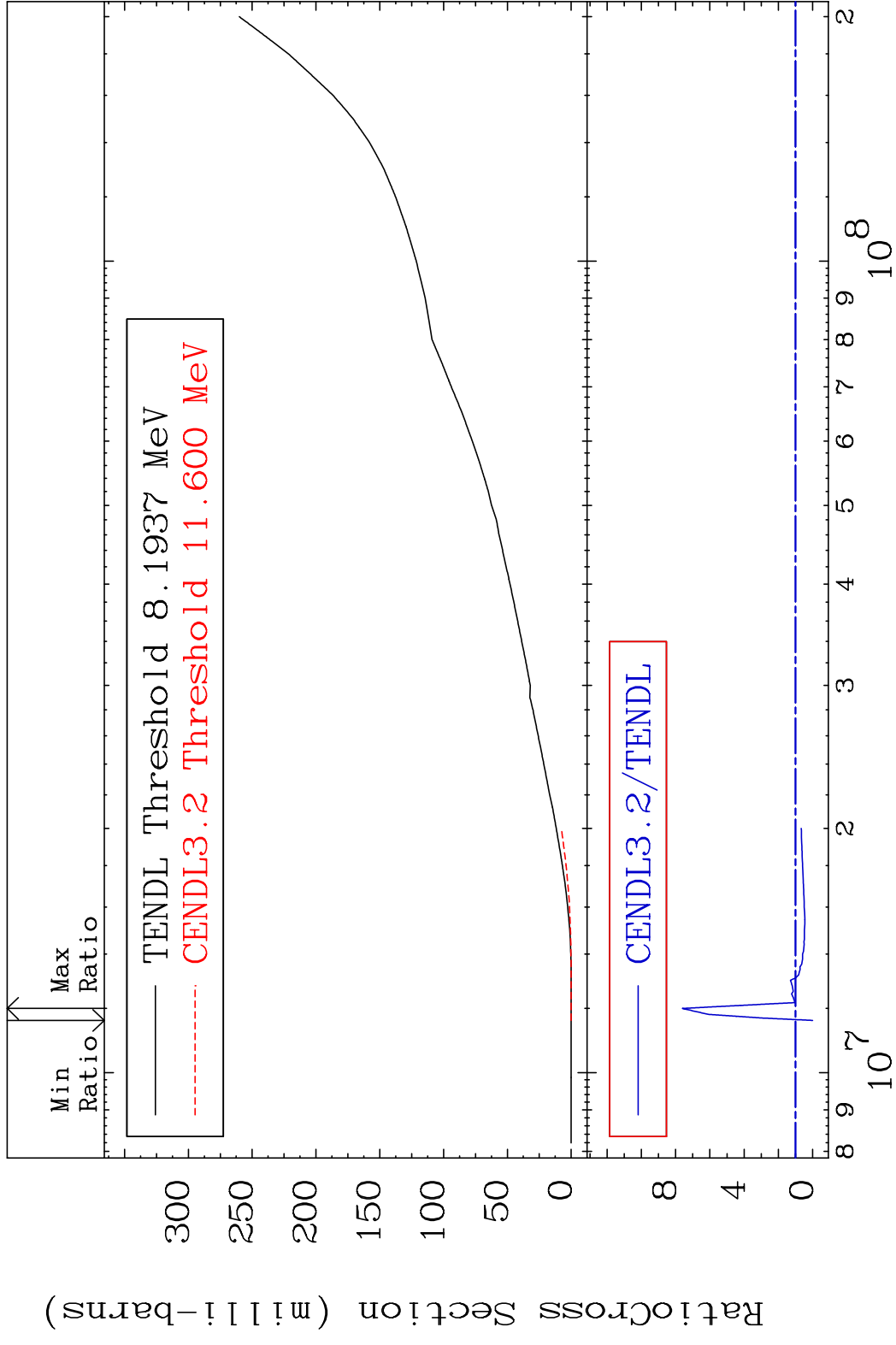


30

Incident Energy (eV)

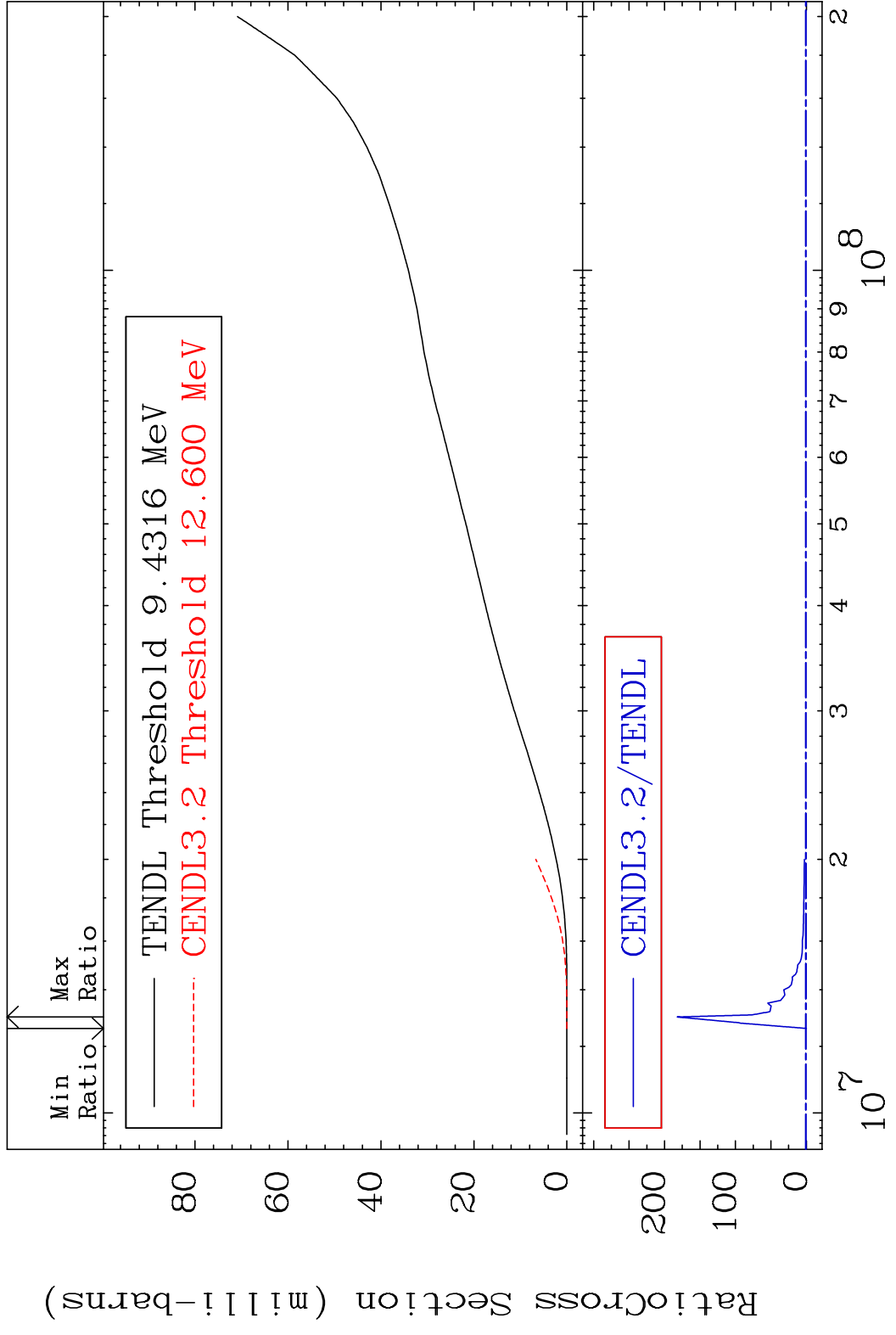
40-Zr-94

MAT 4037 Deuterium Production 40-Zr-94
 Cross Section -100.0 To 660.8 %



MAT 4037

Tritium Production 40-Zr-94
Cross Section -100.0 To 9999. %



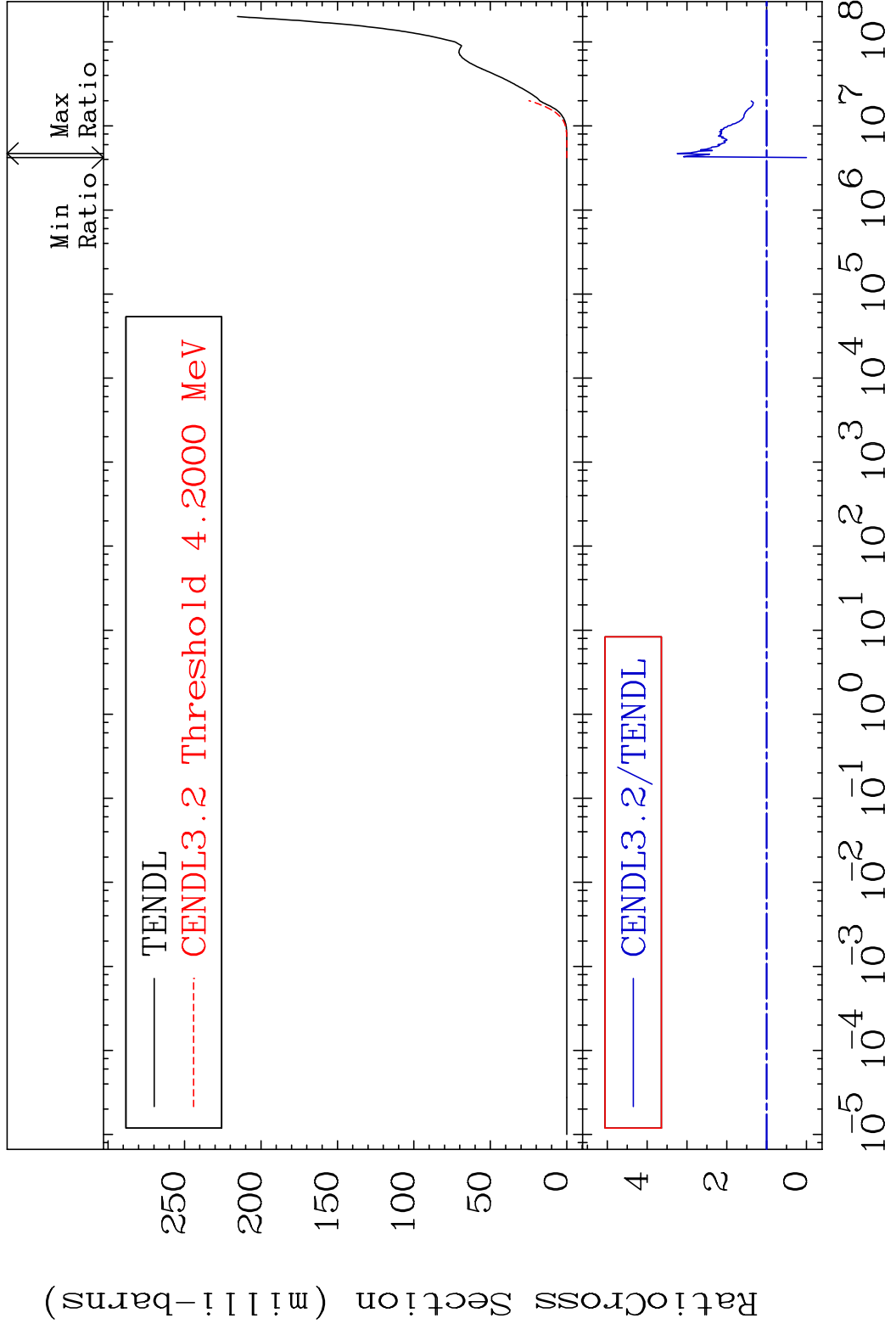
32

MAT 4037

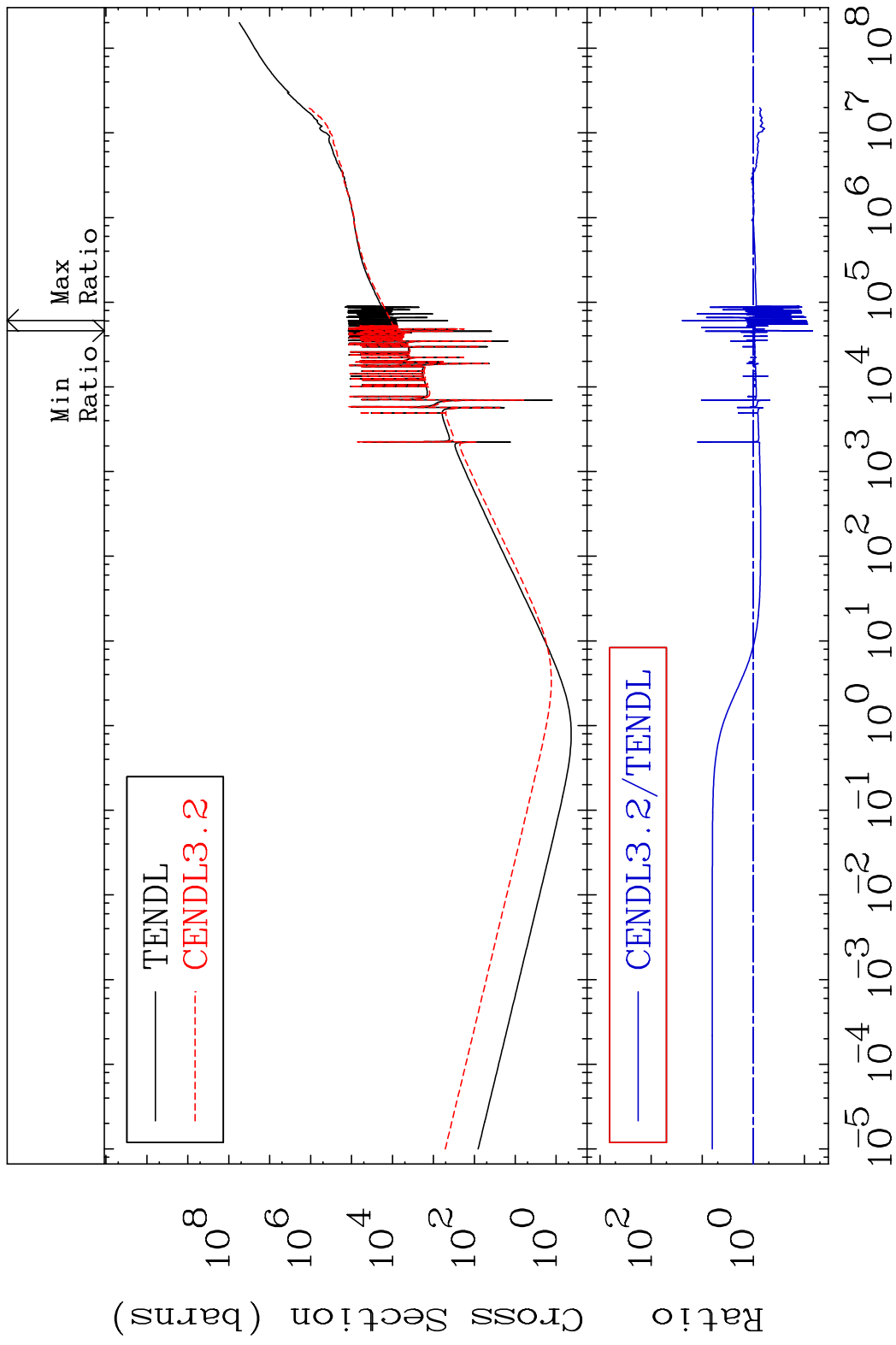
He-4 Production

40-Zr-94

Cross Section -100.0 To 224.5 %



MAT 4037 Kerma total (eV-barns) 40-Zr-94
 Cross Section -93.05 To 2352. %

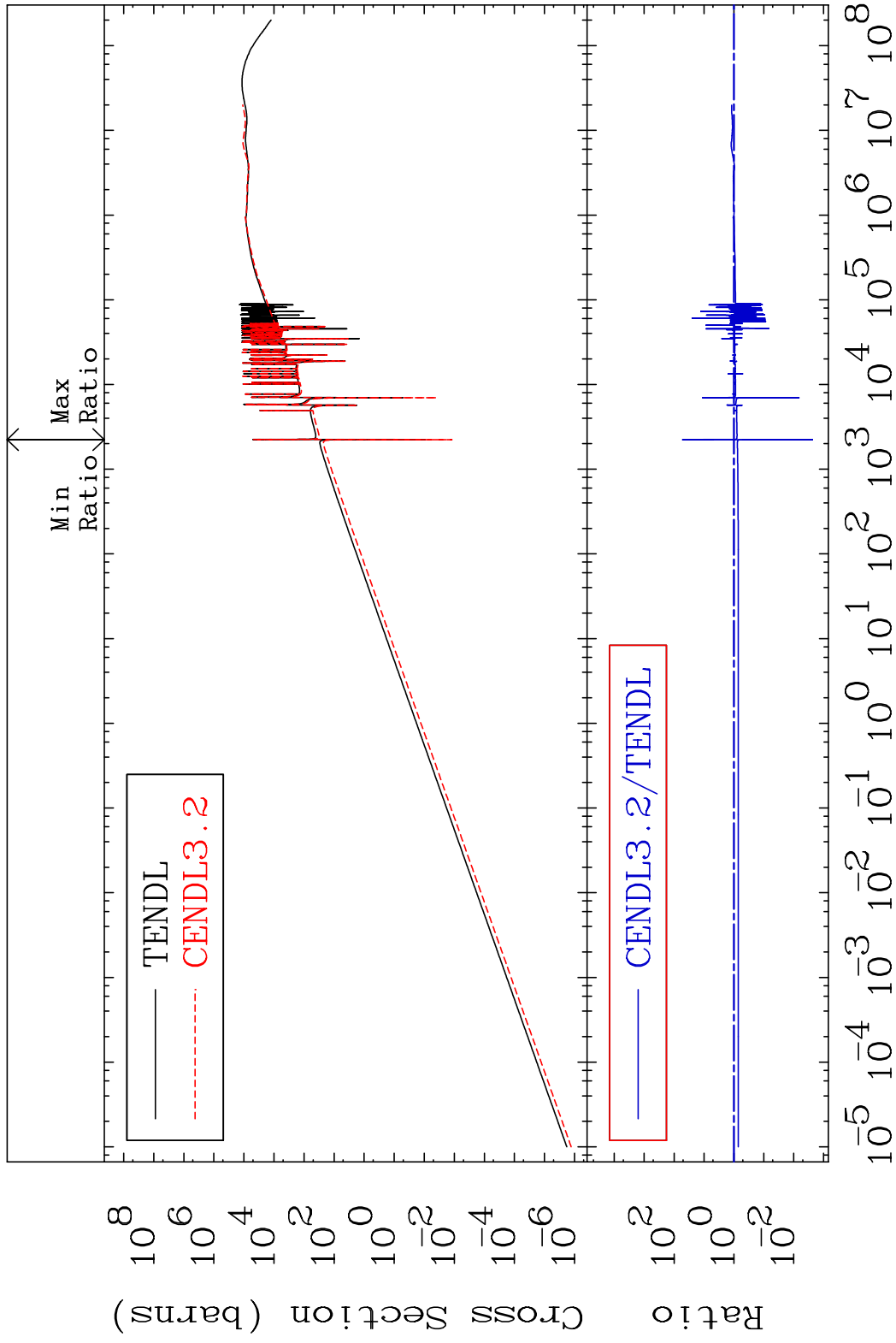


34 Incident Energy (eV) 40-Zr-94

MAT 4037

Kerma elastic
Cross Section

40-Zr-94
-99.777 To 5190. %

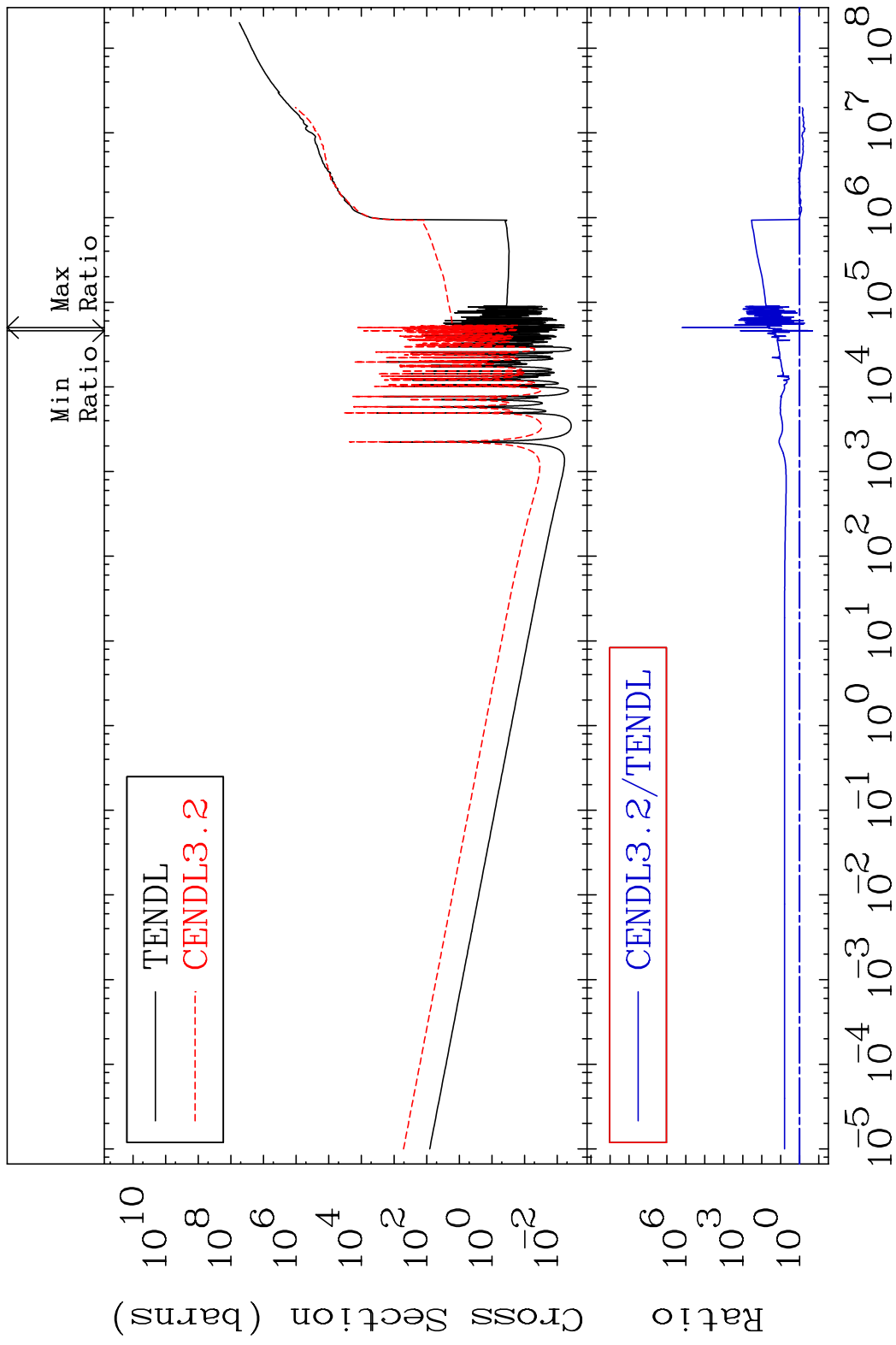


35

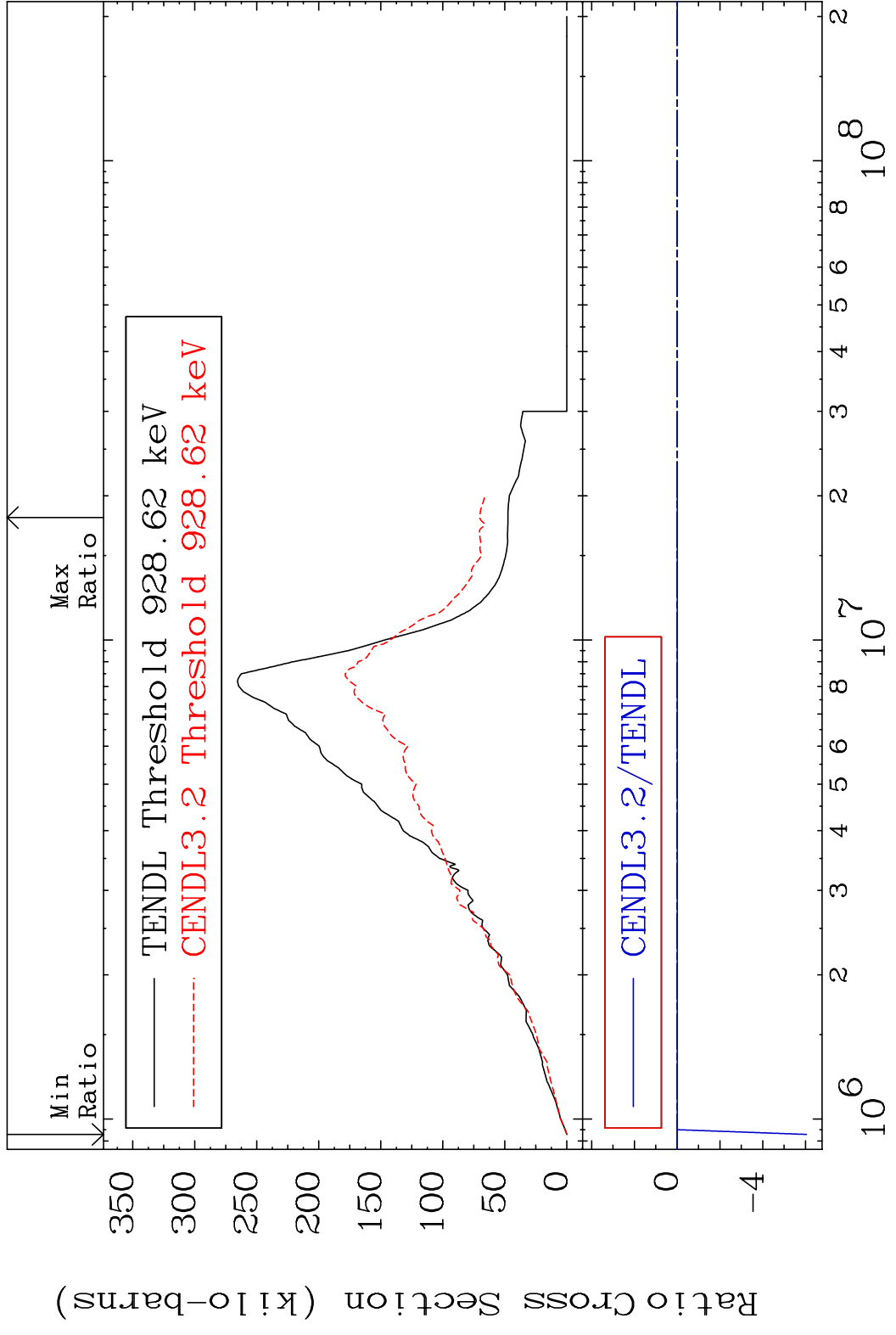
Incident Energy (eV)

40-Zr-94

MAT 4037 Kerma non-elastic (all but mt2) 40-Zr-94
 Cross Section -78.98 To 9999. %

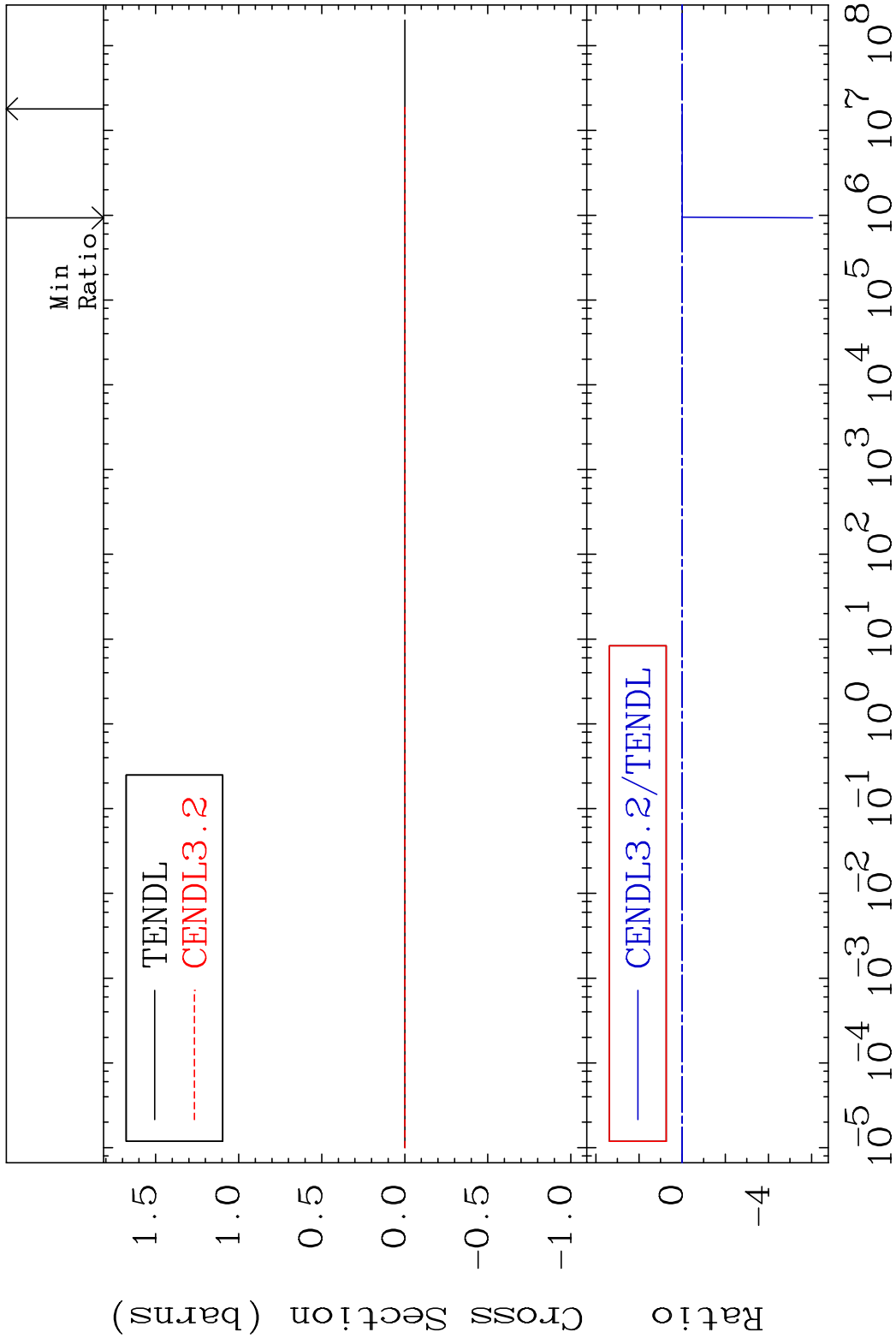


MAT 4037 Kerma inelastic (mt51-91) 40-Zr-94
 Cross Section -9999. To 48.10 %



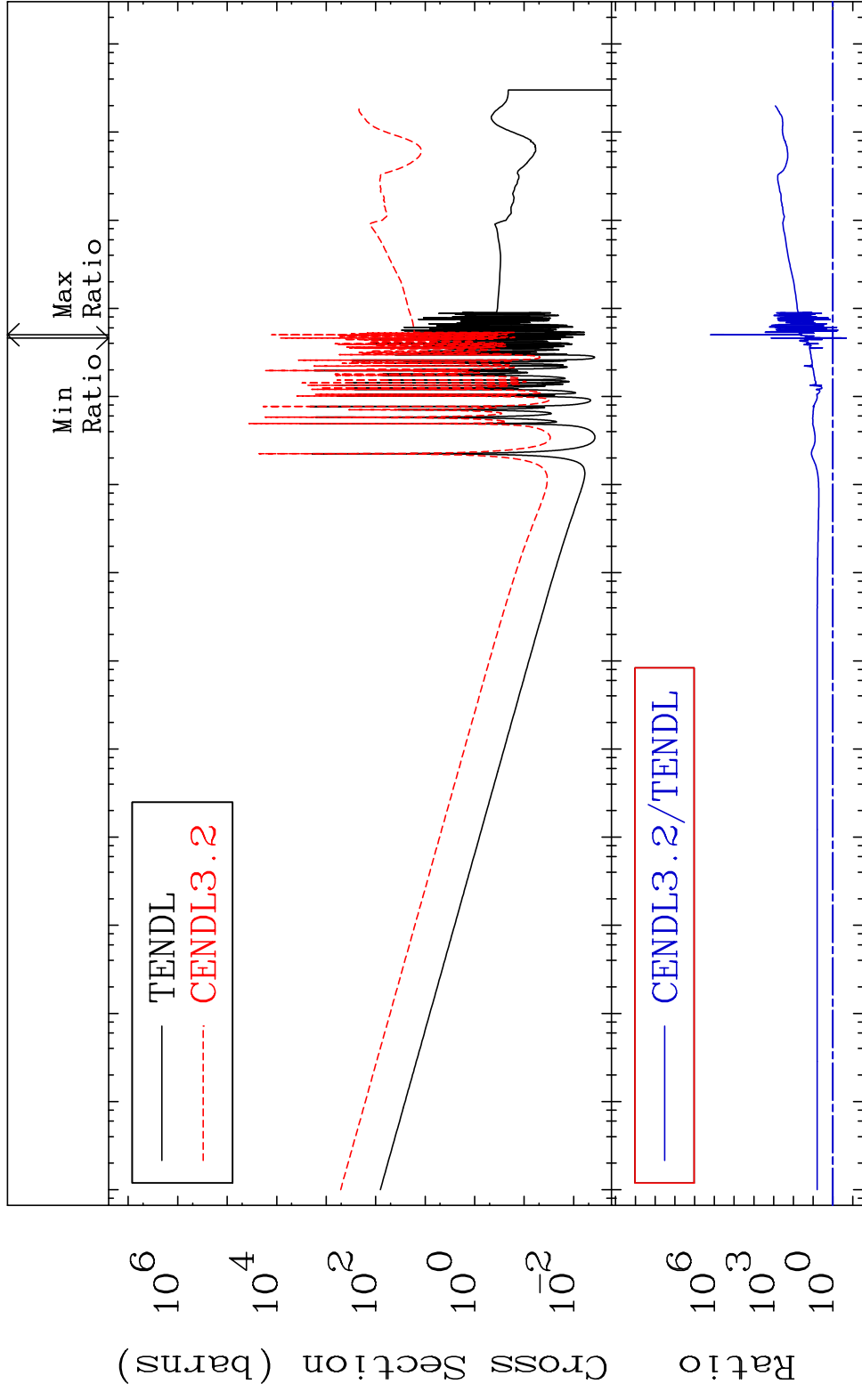
37 Incident Energy (eV) 40-Zr-94

MAT 4037 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-94
 Cross Section -9999. To 48.10 %



MAT 4037

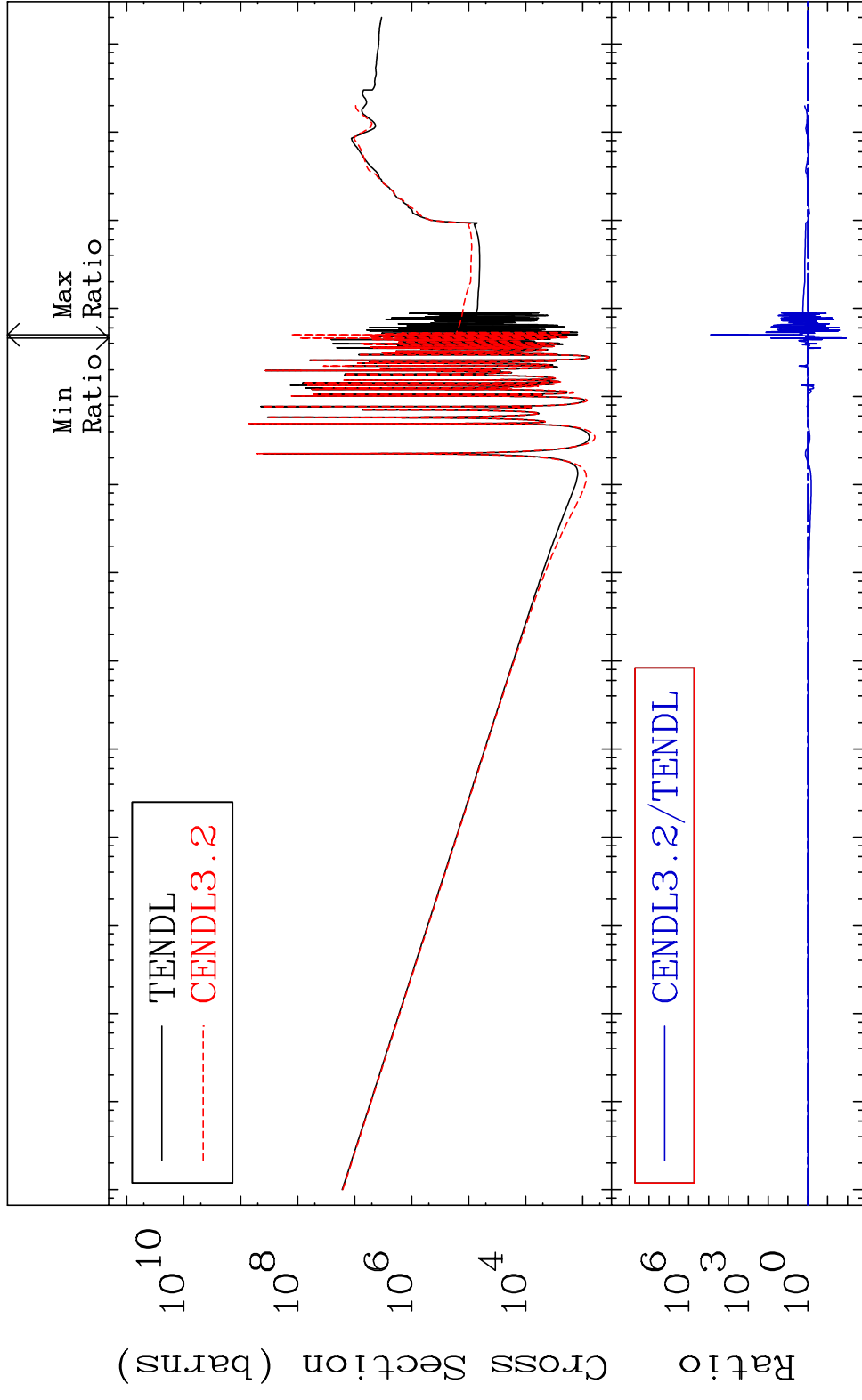
Kerma capture (mt102) 40-Zr-94
Cross Section -78.98 To 9999. %



39

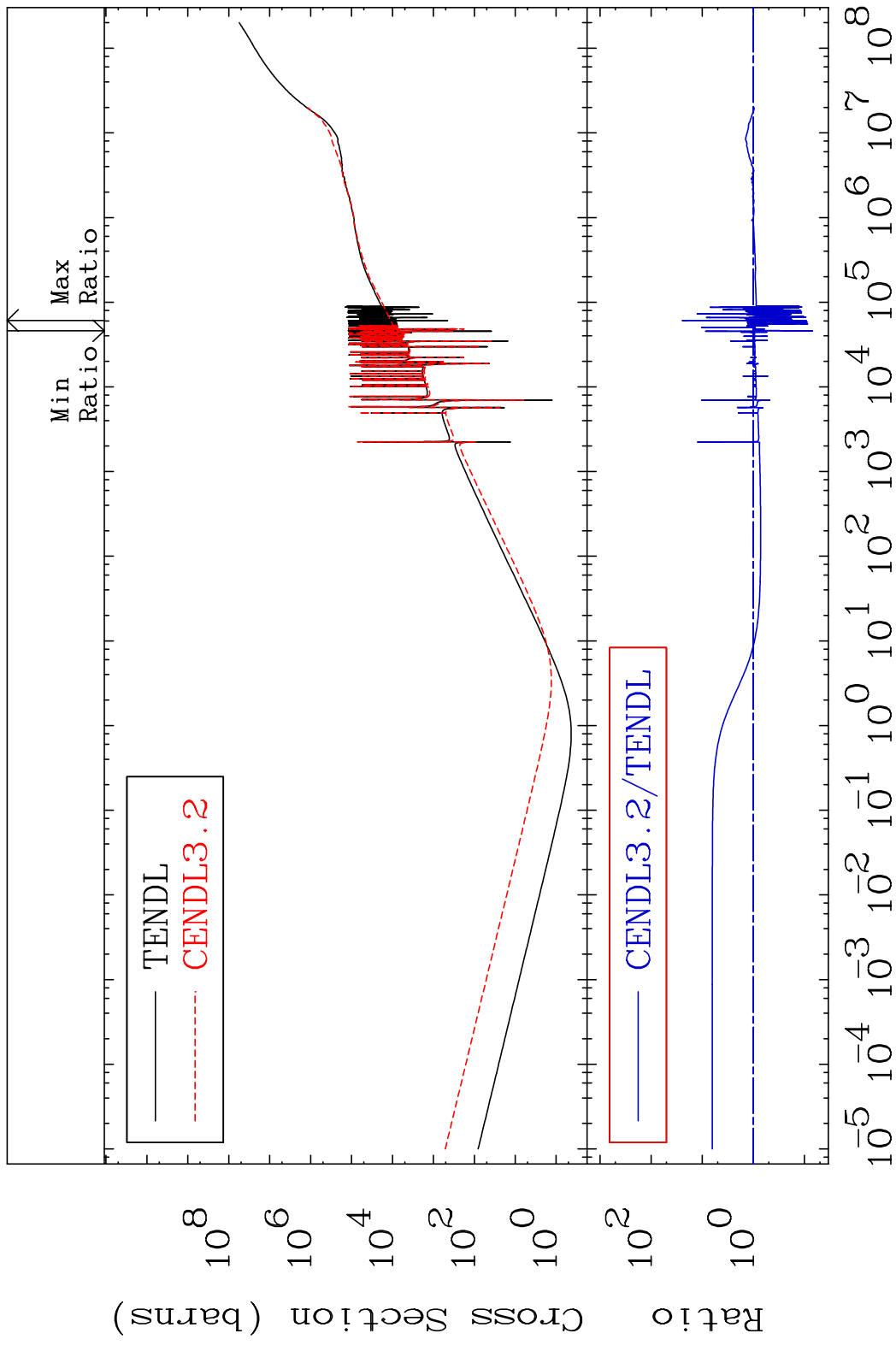
Incident Energy (eV) 40-Zr-94

MAT 4037 Total photon (eV-barns) 40-Zr-94
Cross Section -98.85 To 9999. %



40 Incident Energy (eV) 40-Zr-94

MAT 4037 Total kinematic kerma (high limit) 40-Zr-94
 Cross Section -93.05 To 2352. %



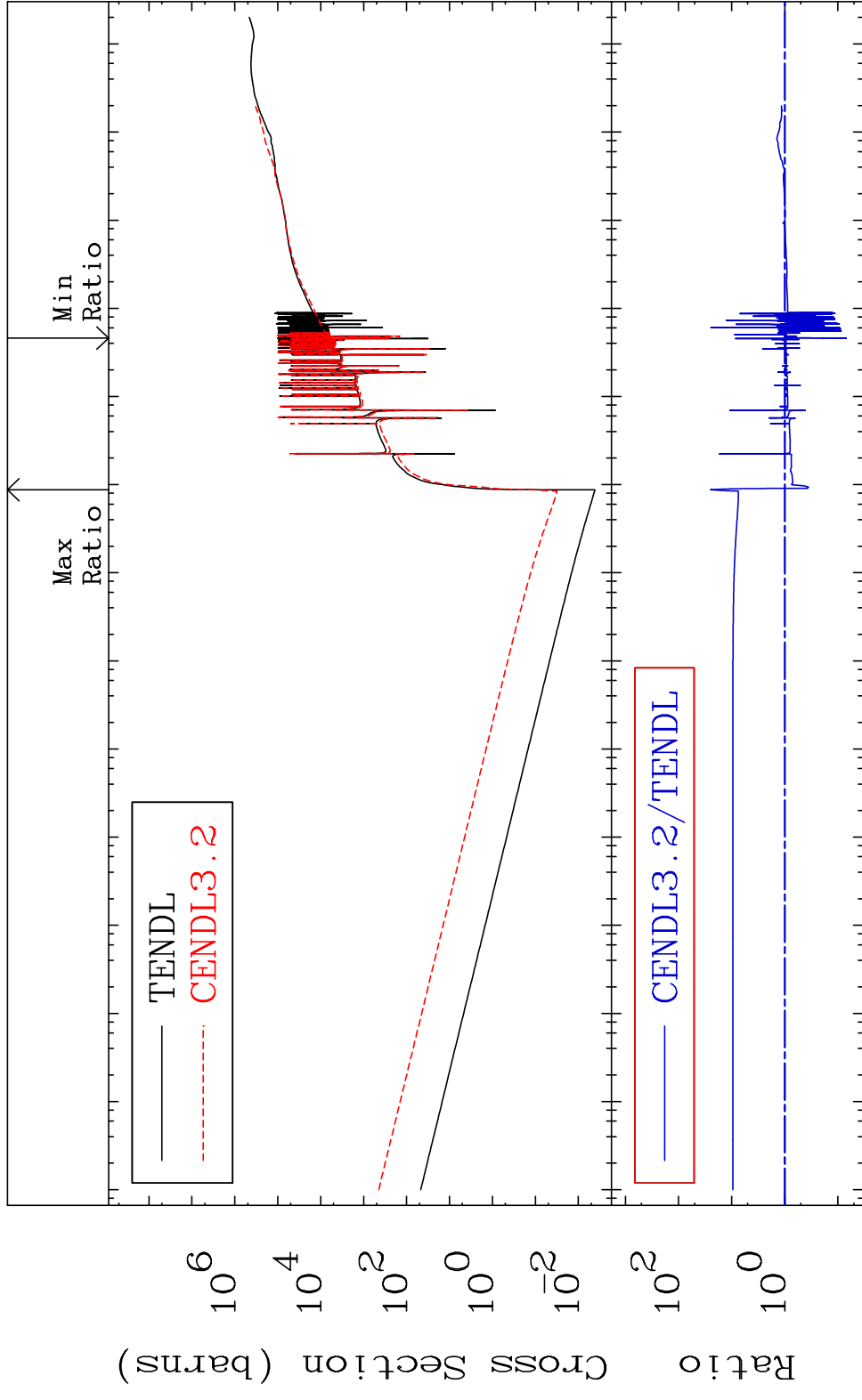
41 Incident Energy (eV) 40-Zr-94

MAT 4037

Dpa total (eV-barns)

40-Zr-94

Cross Section -93.07 To 2376. %



42

Incident Energy (eV)

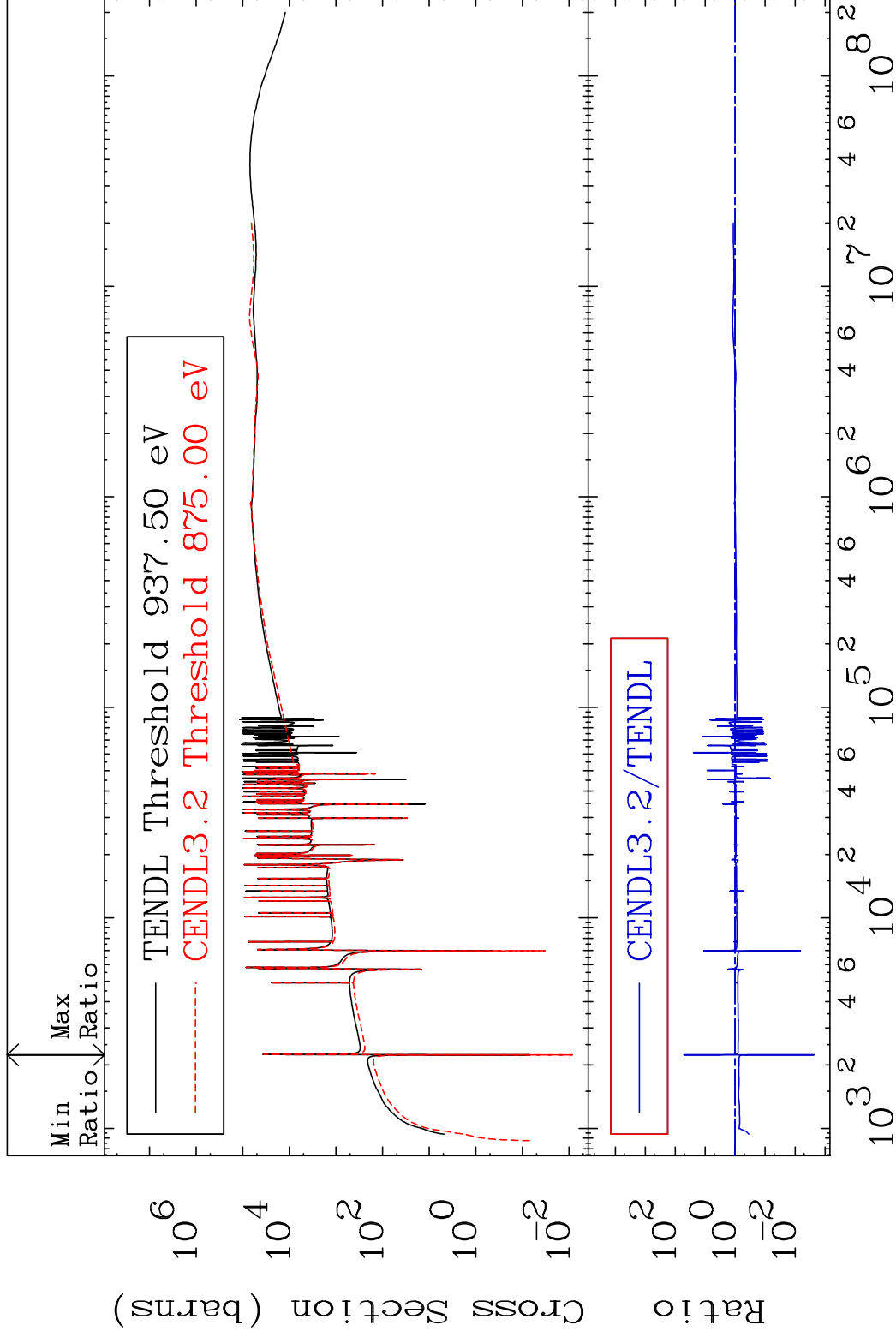
40-Zr-94

MAT 4037

Dpa elastic (mt2)

40-Zr-94

Cross Section -99.777 To 5148. %

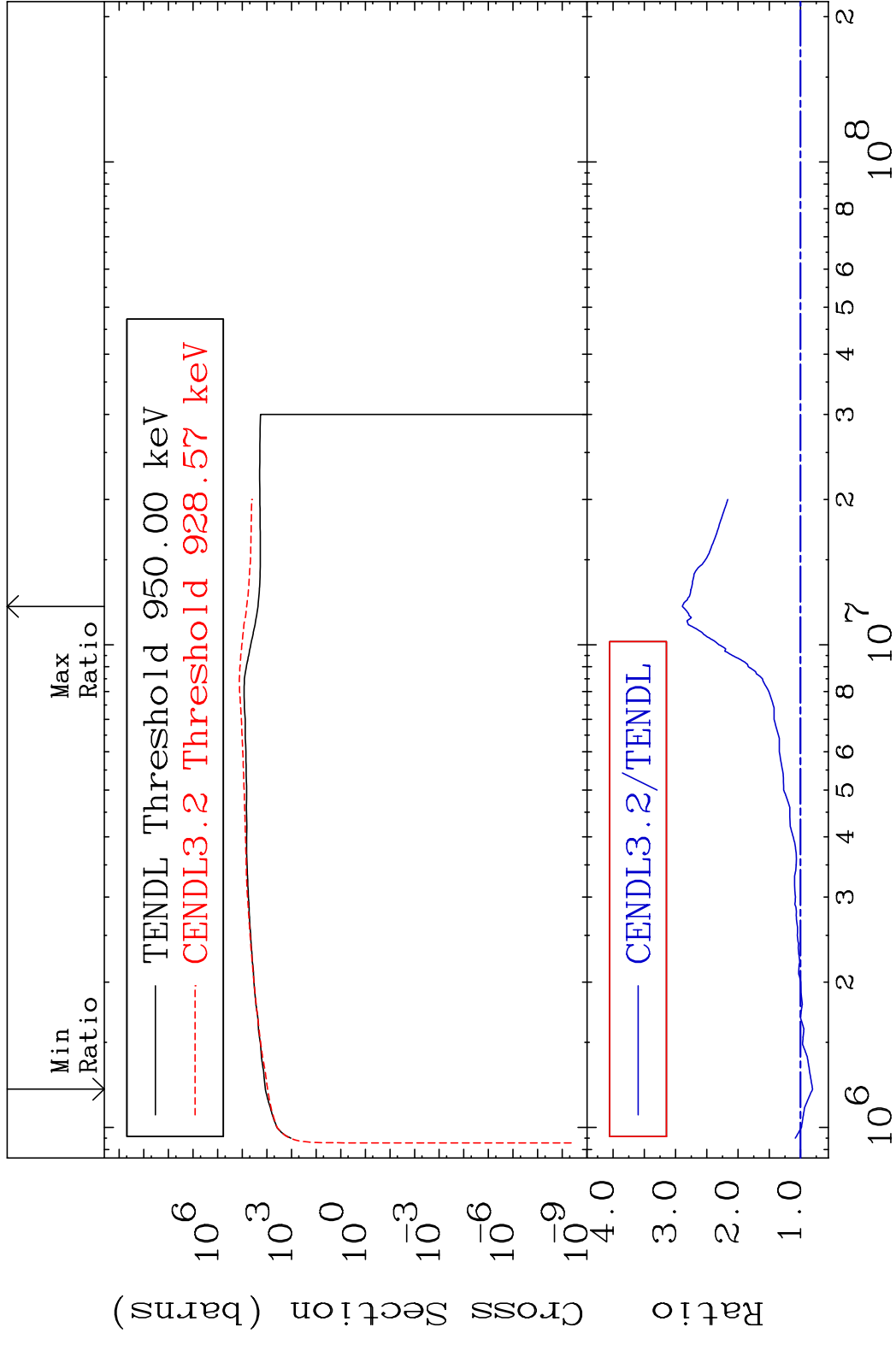


43

Incident Energy (eV)

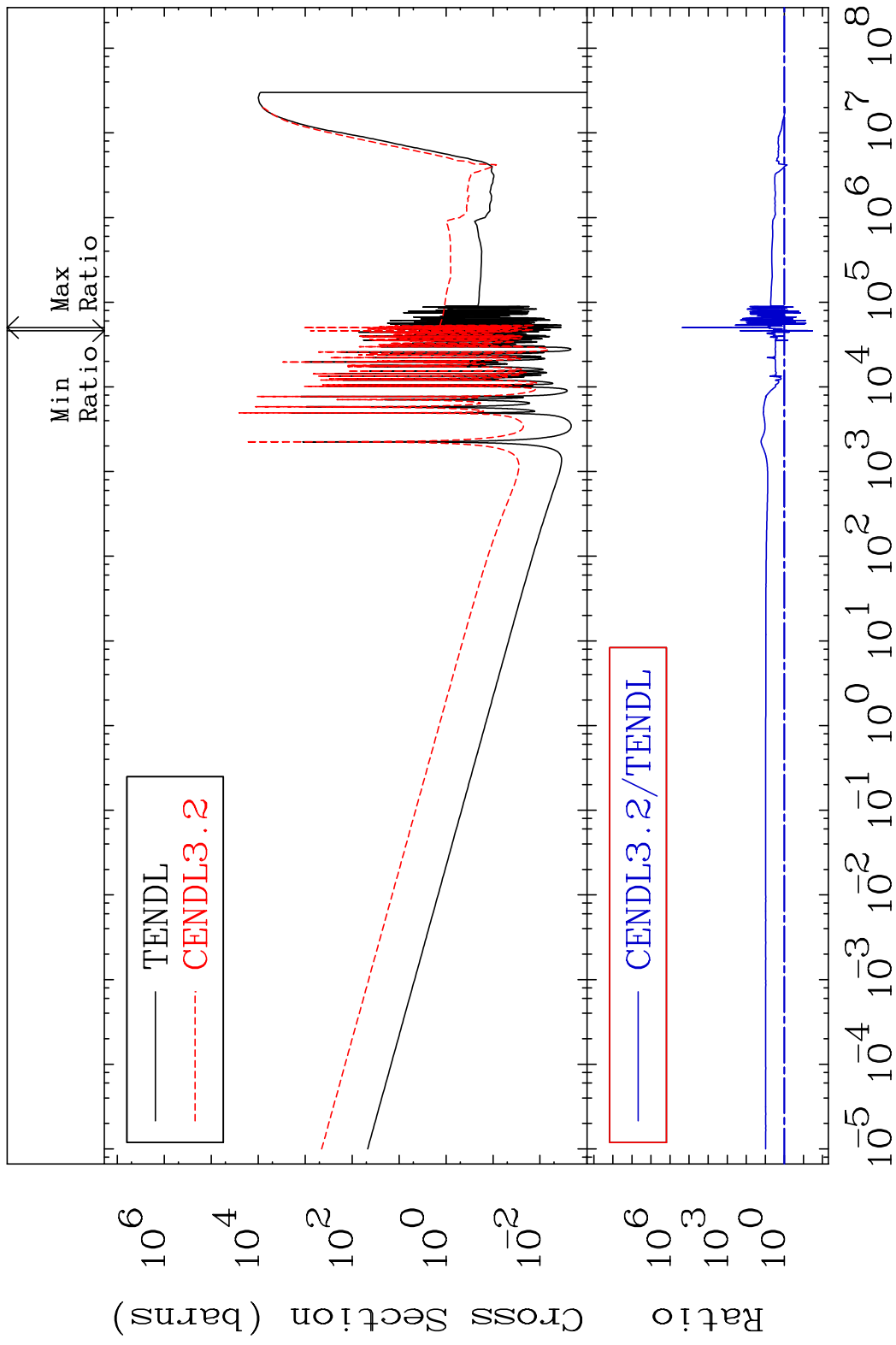
40-Zr-94

MAT 4037 Dpa inelastic (mt51-91) 40-Zr-94
 Cross Section -19.11 To 189.2 %



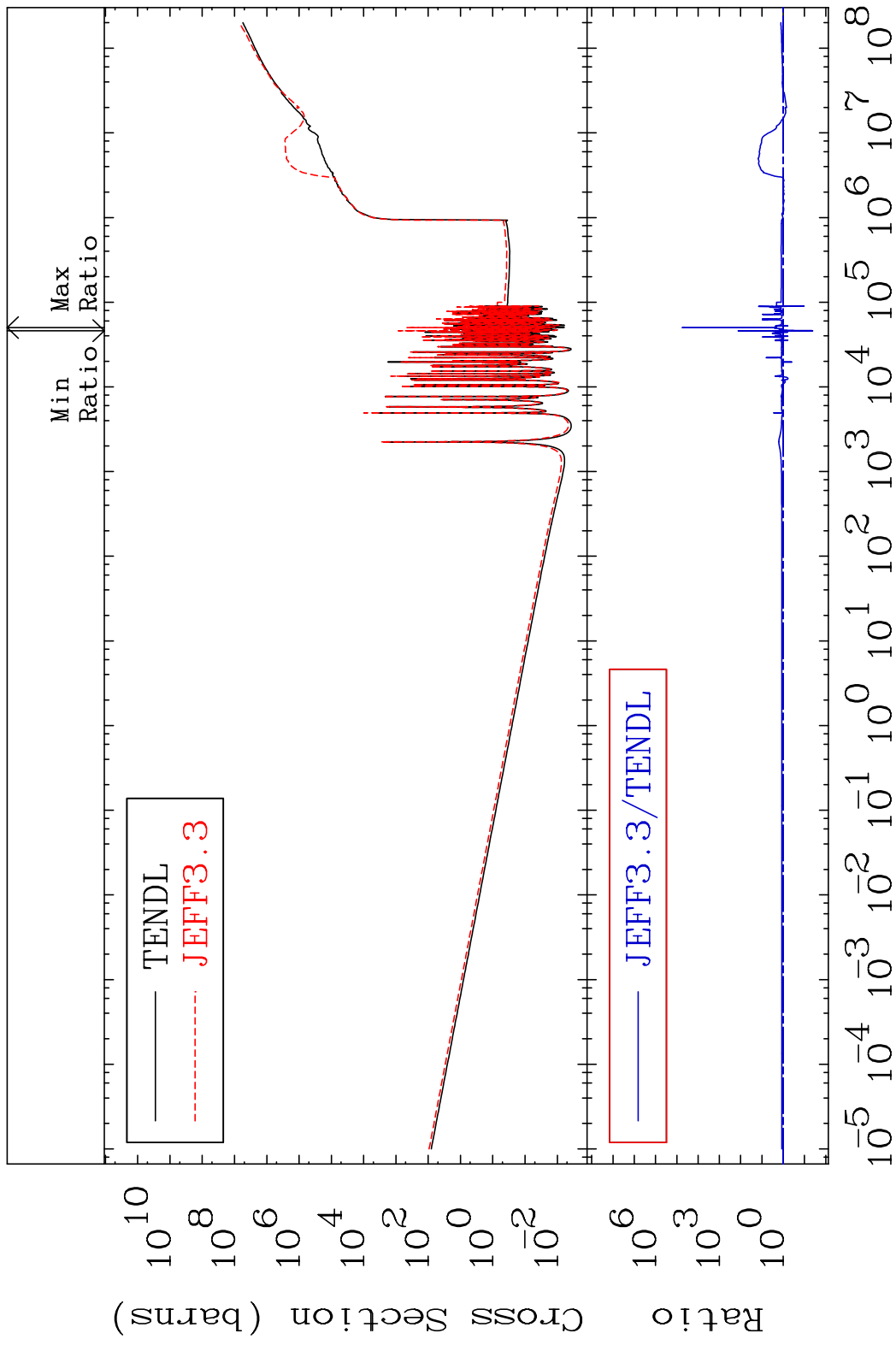
44 Incident Energy (eV) 40-Zr-94

MAT 4037 Dpa disappearance (mt102 -120) 40-Zr-94
 Cross Section -96.68 To 9999. %

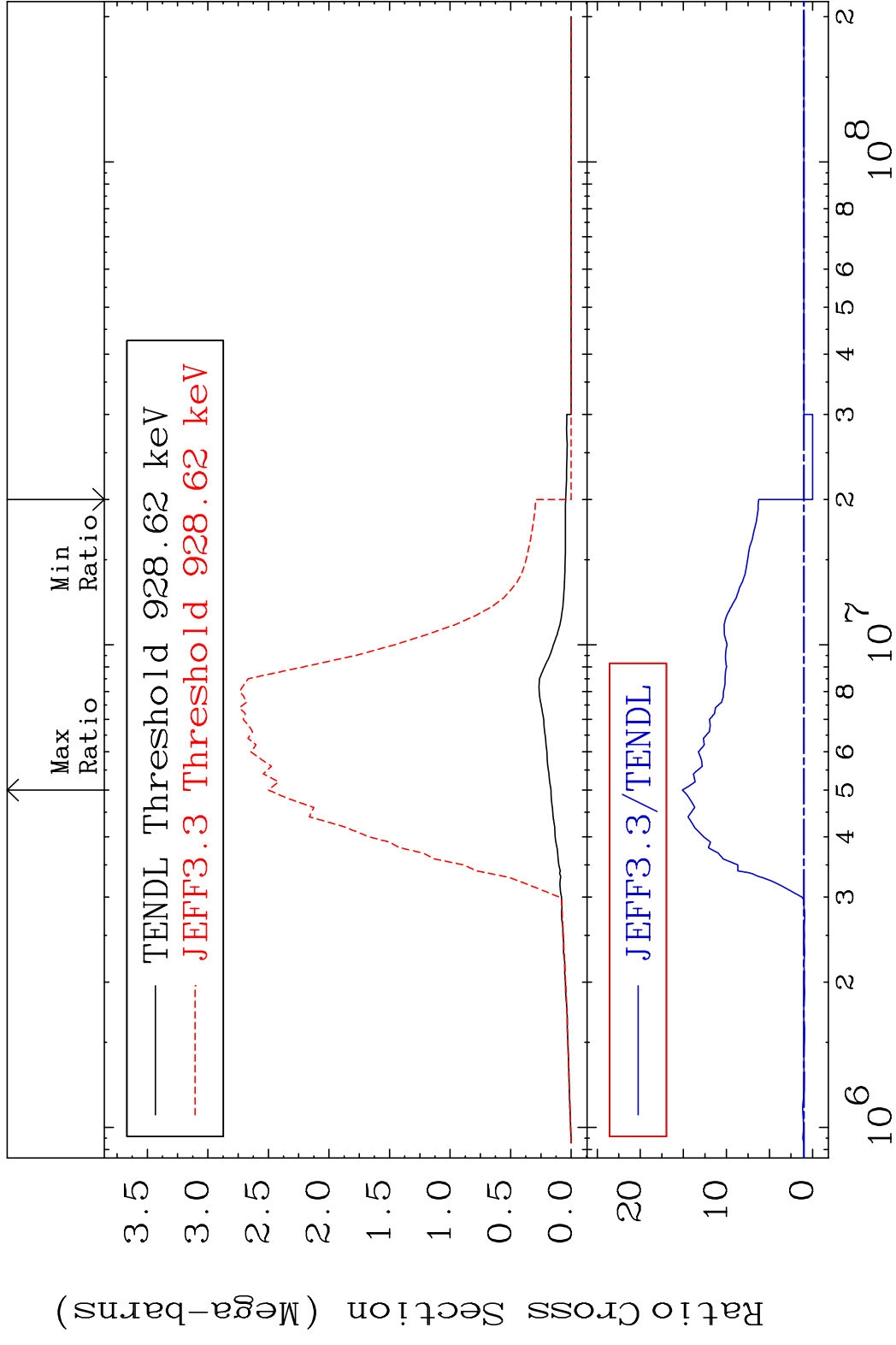


45 Incident Energy (eV) 40-Zr-94

MAT 4037 Kerma non-elastic (all but mt2) 40-Zr-94
 Cross Section -95.83 To 9999. %

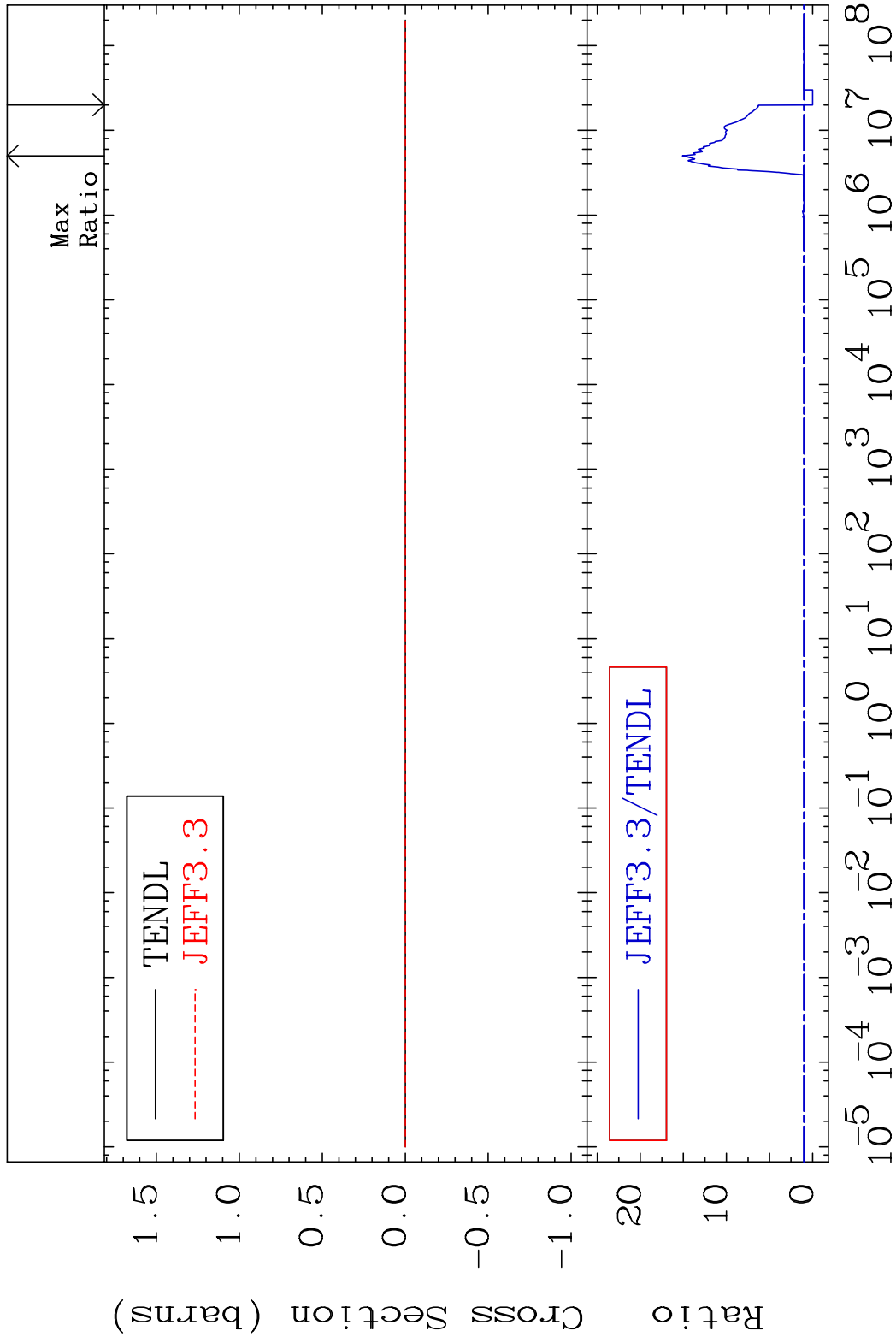


MAT 4037 Kerma inelastic (mt51-91) 40-Zr-94
 Cross Section -100.0 To 1412. %



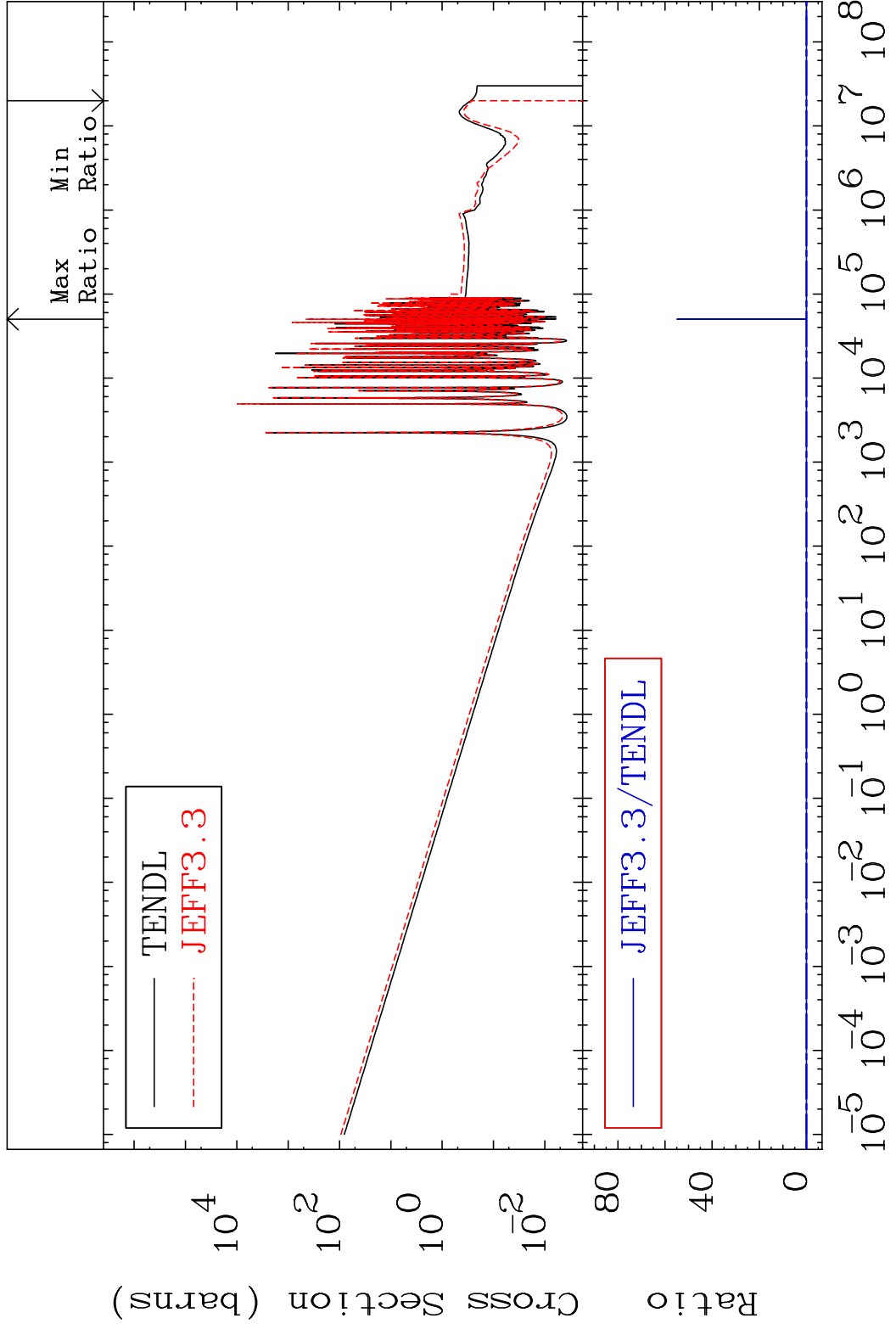
47 Incident Energy (eV) 40-Zr-94

MAT 4037 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-94
 Cross Section -100.0 To 1412. %



MAT 4037

Kerma capture (mt102) 40-Zr-94
Cross Section -100.0 To 9999. %

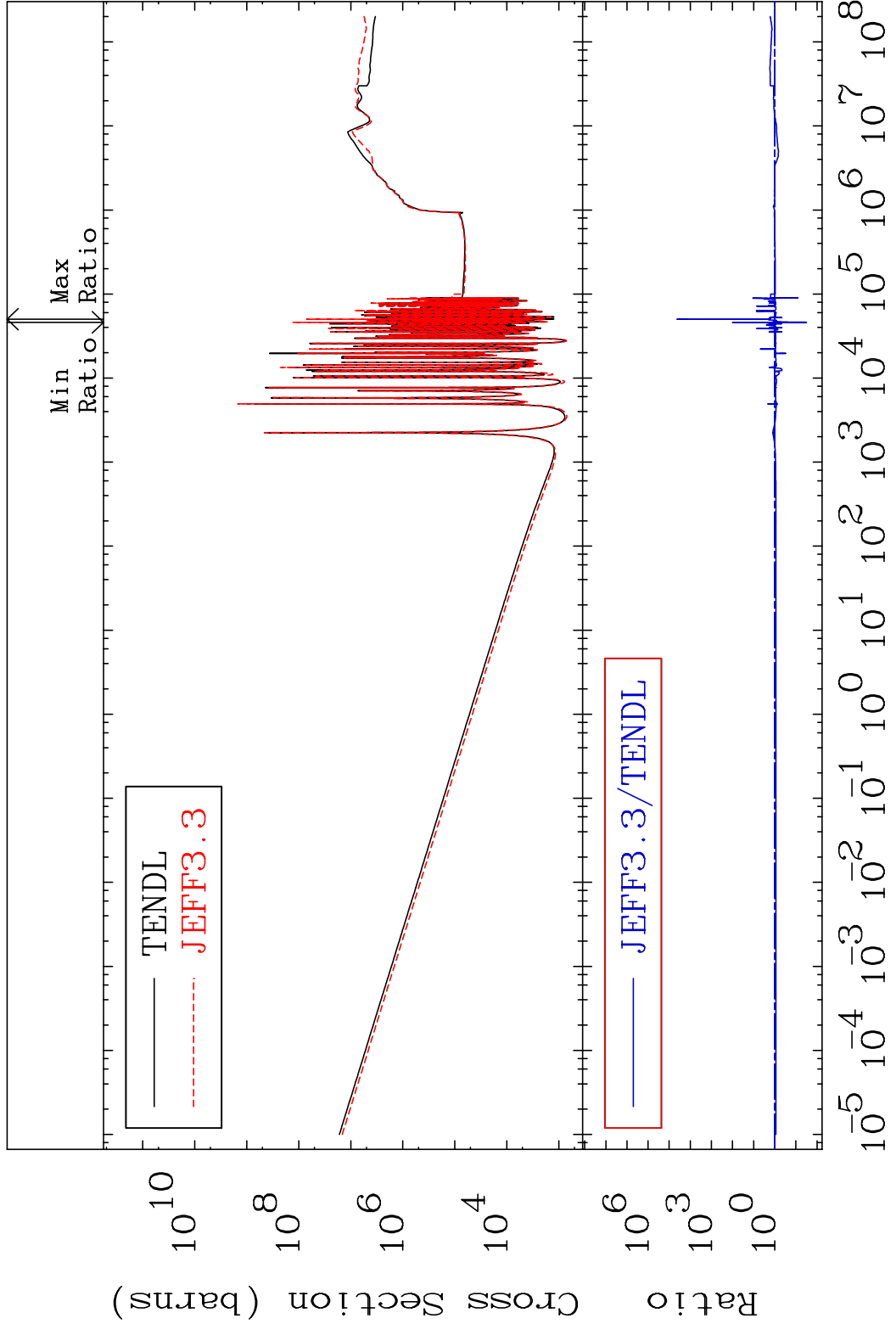


49

Incident Energy (eV)

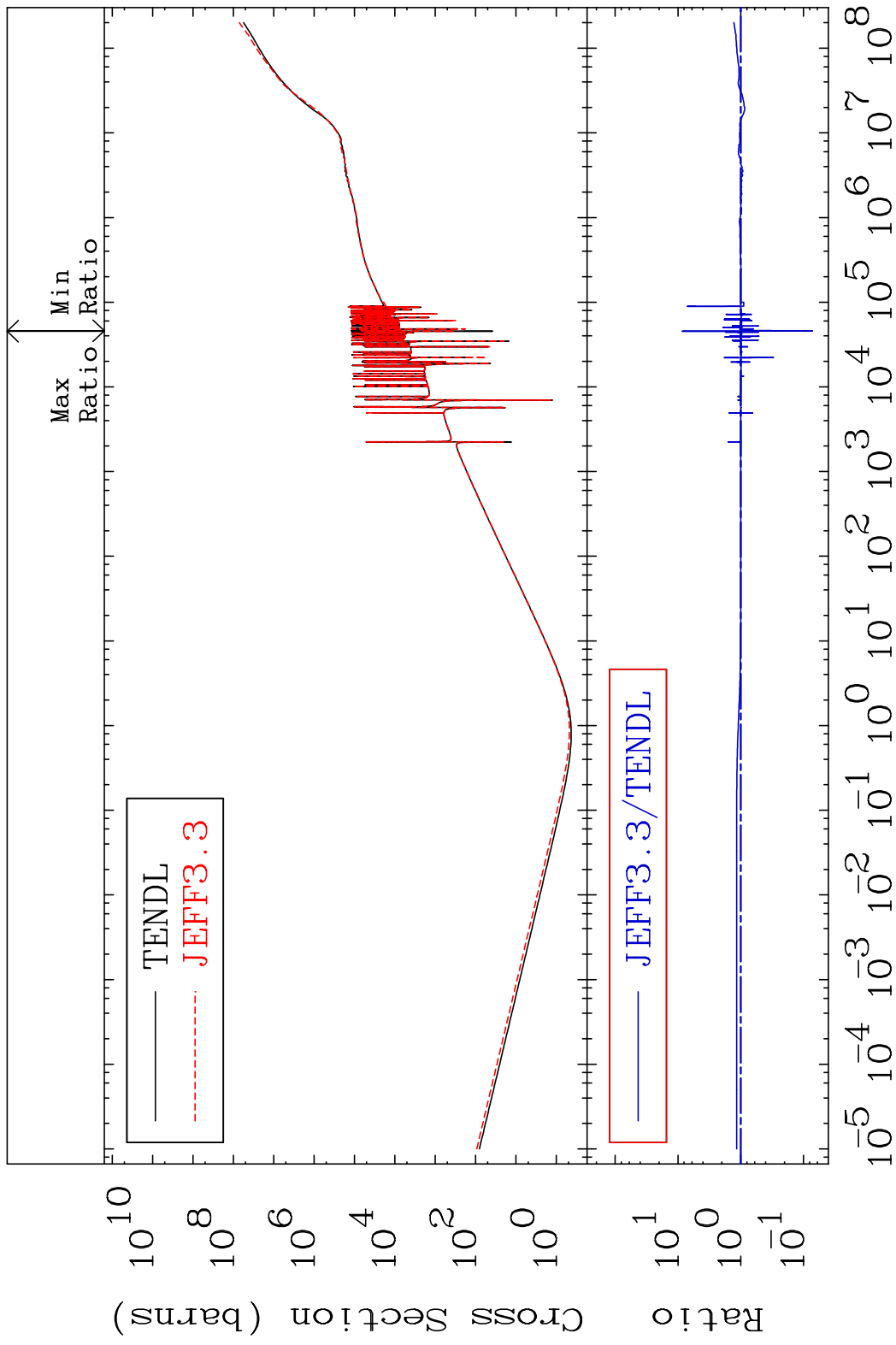
40-Zr-94

MAT 4037 Total photon (eV-barns) 40-Zr-94
Cross Section -96.83 To 9999. %



50 Incident Energy (eV) 40-Zr-94

MAT 4037 Total kinematic kerma (high limit) 40-Zr-94
 Cross Section -92.82 To 752.0 %

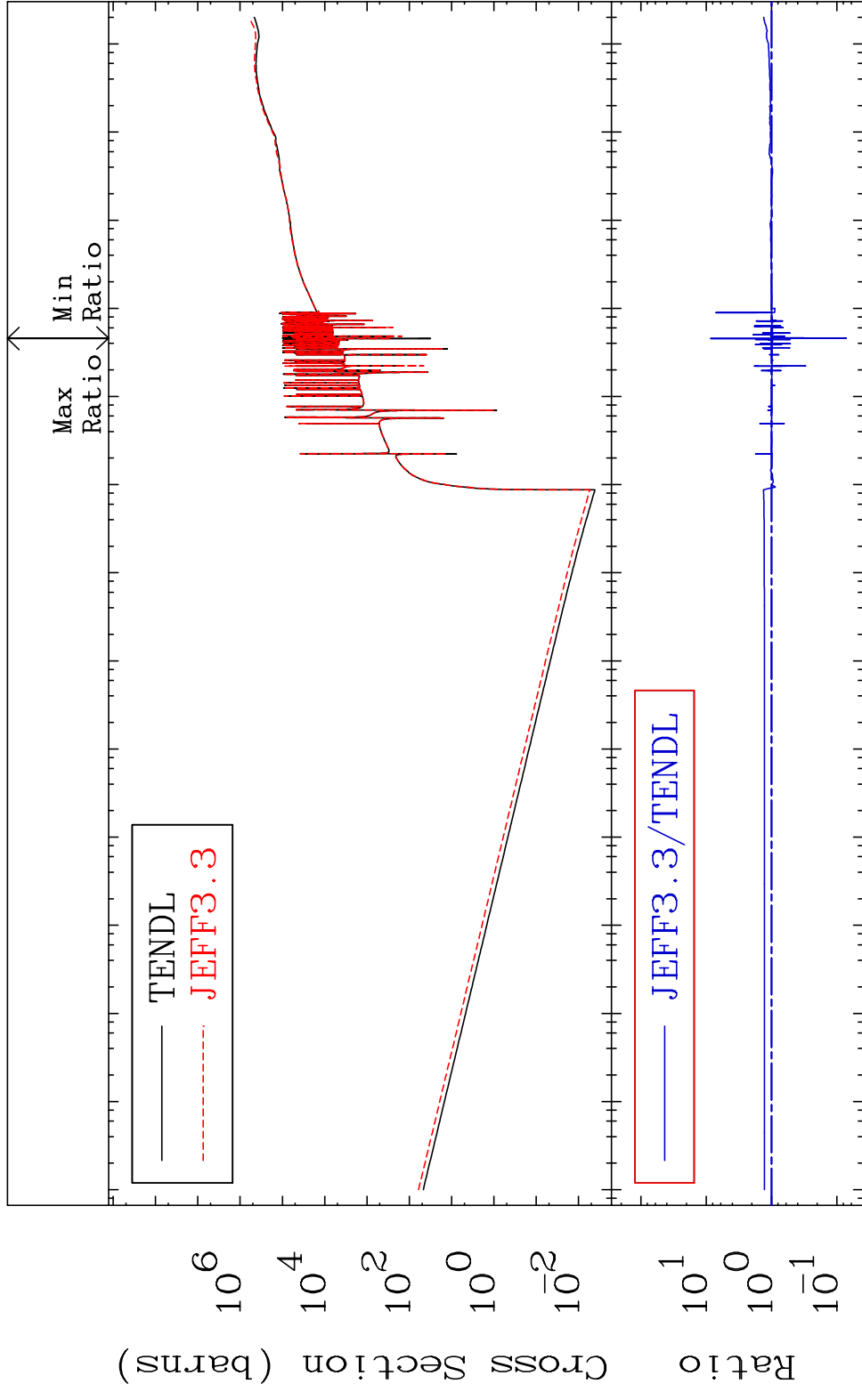


MAT 4037

Dpa total (eV-barns)

40-Zr-94

Cross Section -92.82 To 754.6 %

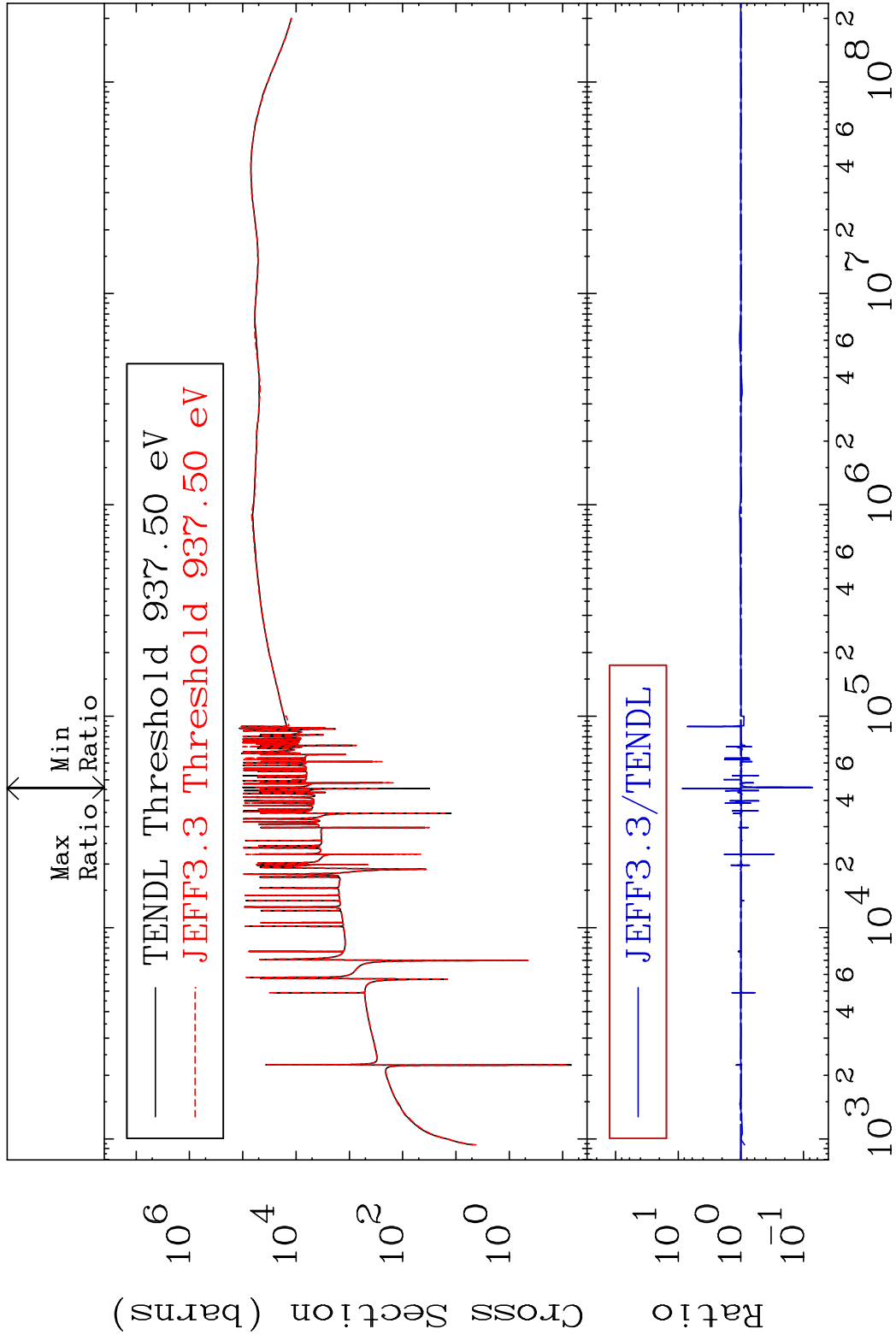


MAT 4037

Dpa elastic (mt2)

40-Zr-94

Cross Section -92.82 To 759.2 %

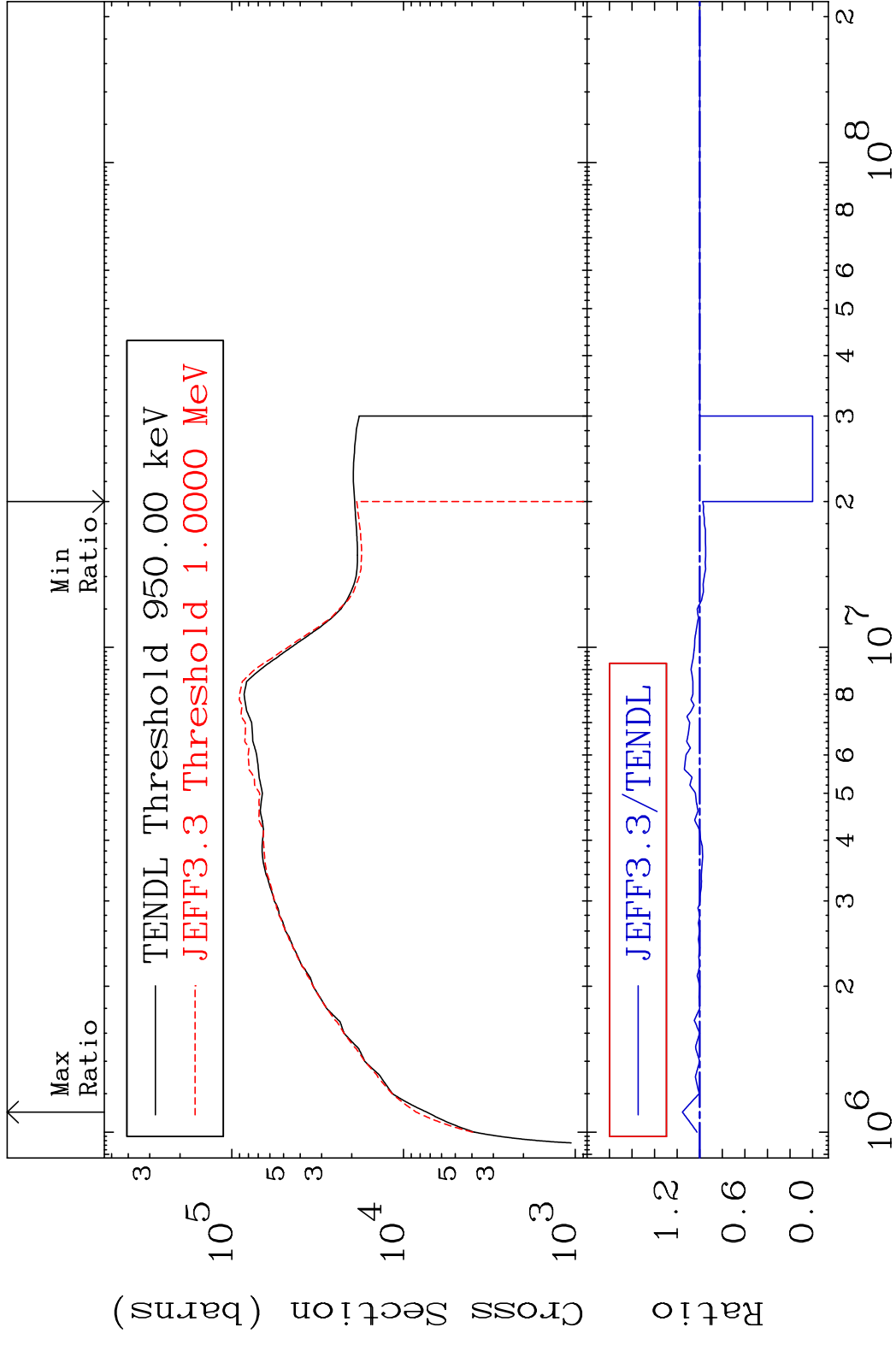


53

Incident Energy (eV)

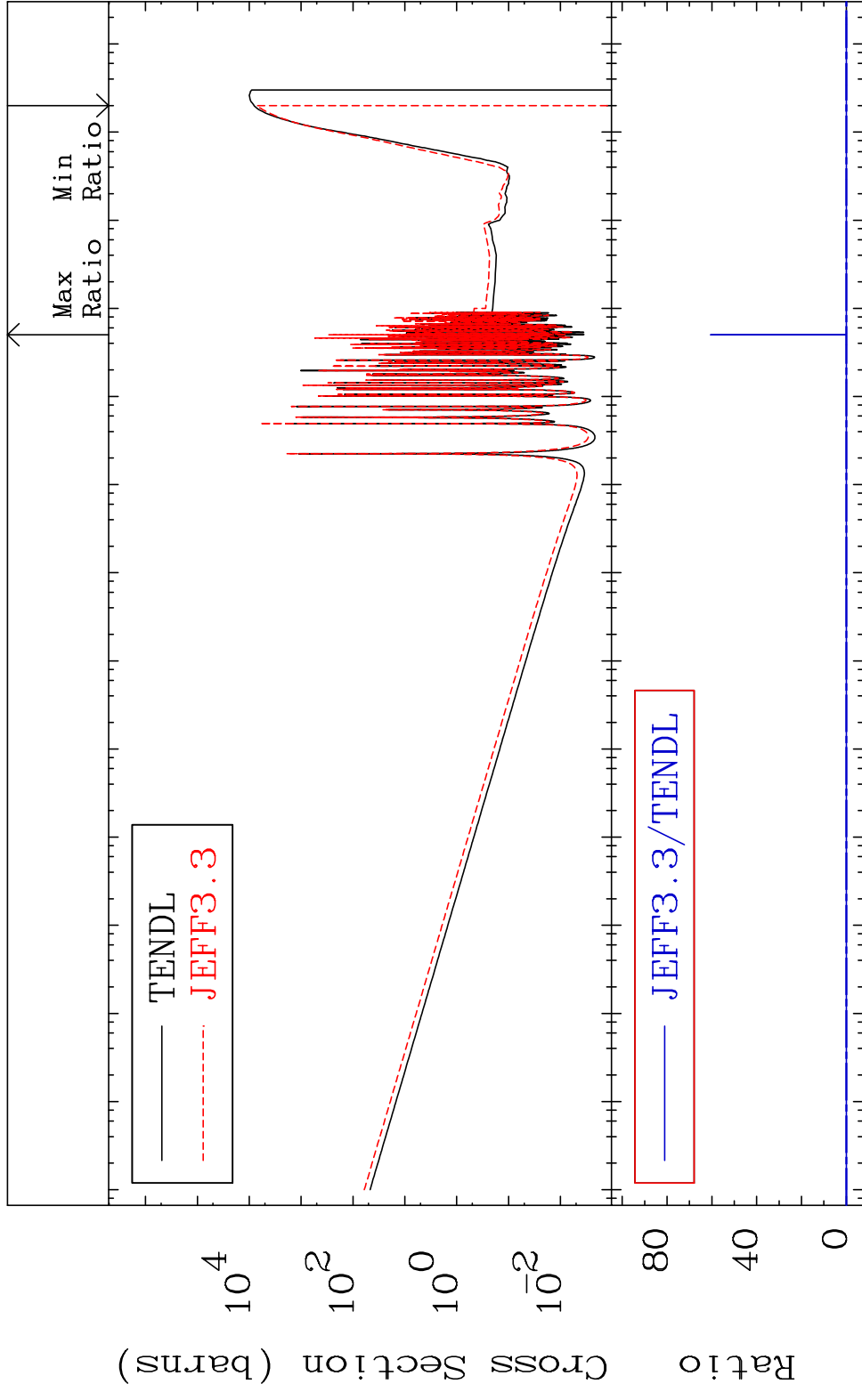
40-Zr-94

MAT 4037 Dpa inelastic (mt51-91) 40-Zr-94
 Cross Section -100.0 To 15.33 %



54 Incident Energy (eV) 40-Zr-94

MAT 4037 Dpa disappearance (mt102 -120) 40-Zr-94
 Cross Section -100.0 To 9999. %



55 Incident Energy (eV) 40-Zr-94