

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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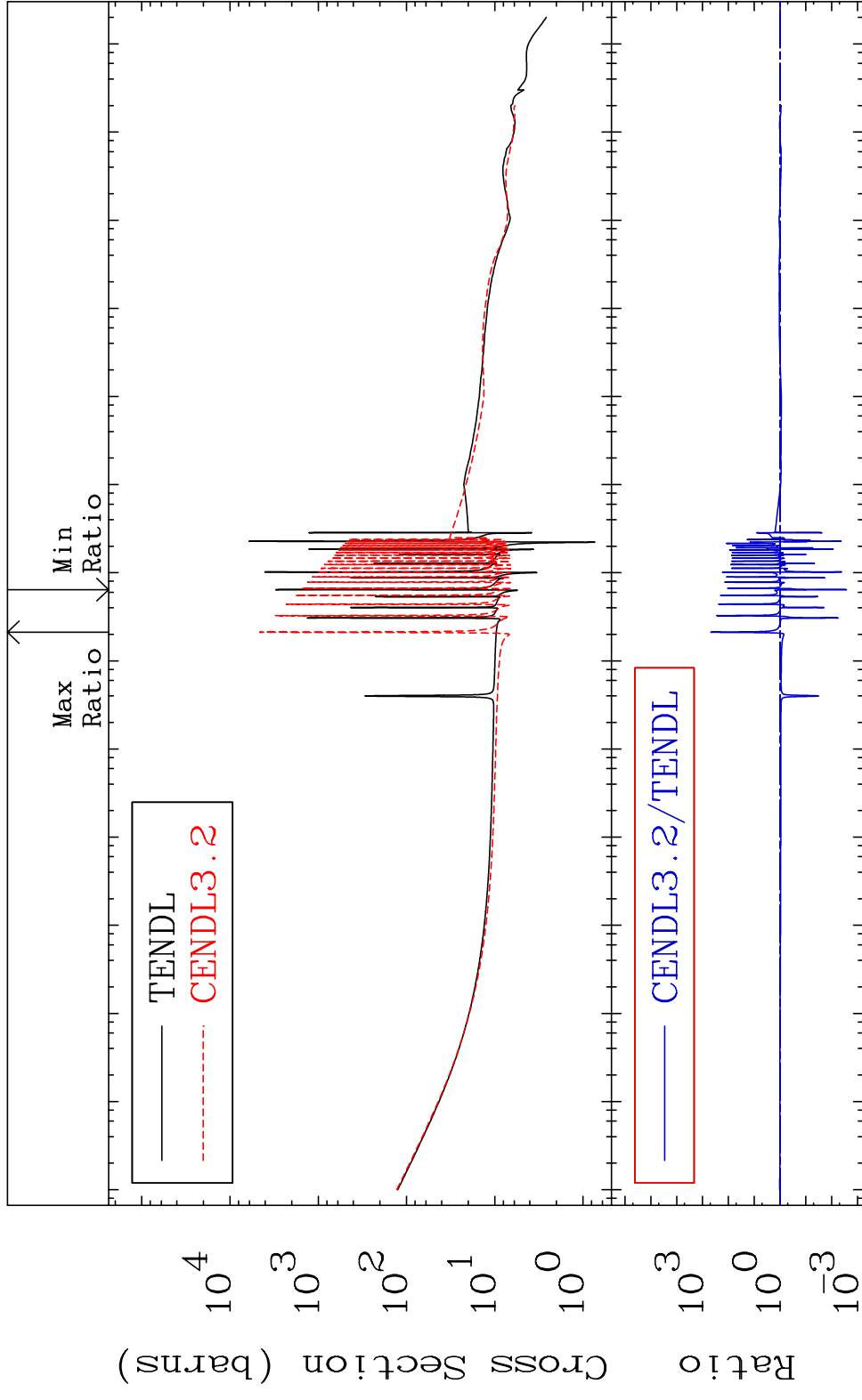
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9452

Total
Cross Section -99.73 To 9999. %

94-Pu-244

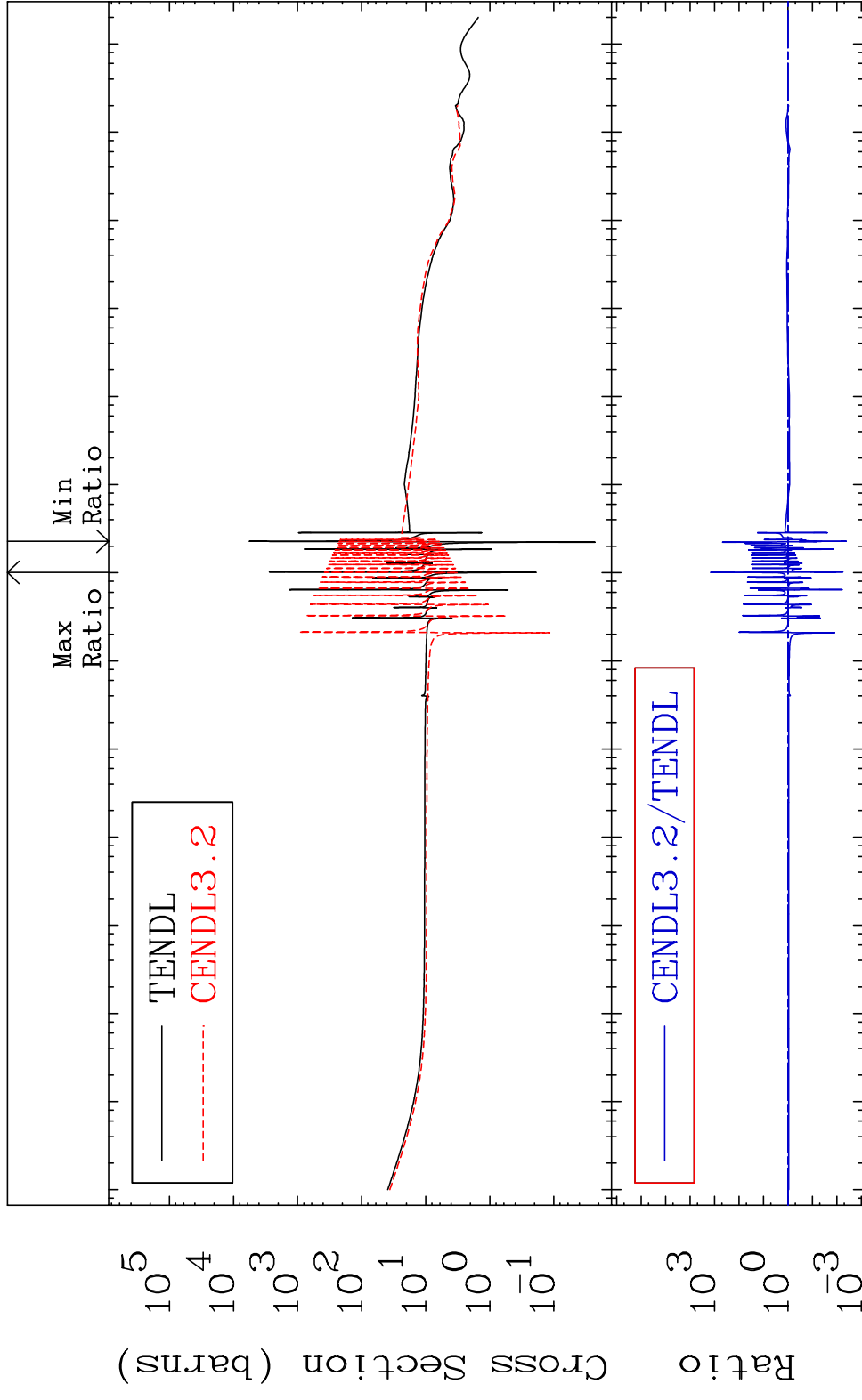


1 Incident Energy (eV) 94-Pu-244

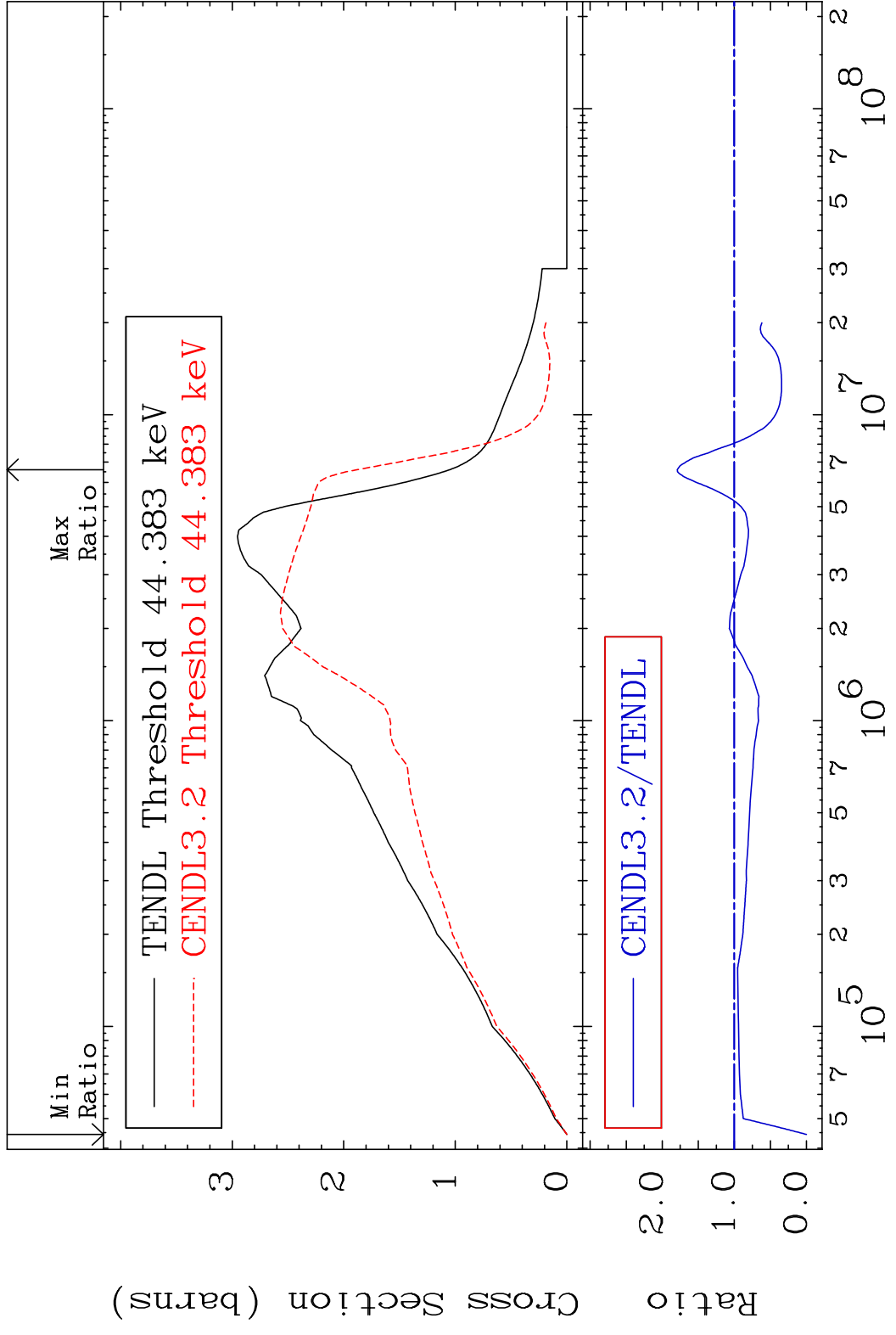
MAT 9452

Elastic Cross Section -99.59 To 9999. %

94-Pu-244



MAT 9452 Inelastic 94-Pu-244
 Cross Section -100.0 To 79.28 %



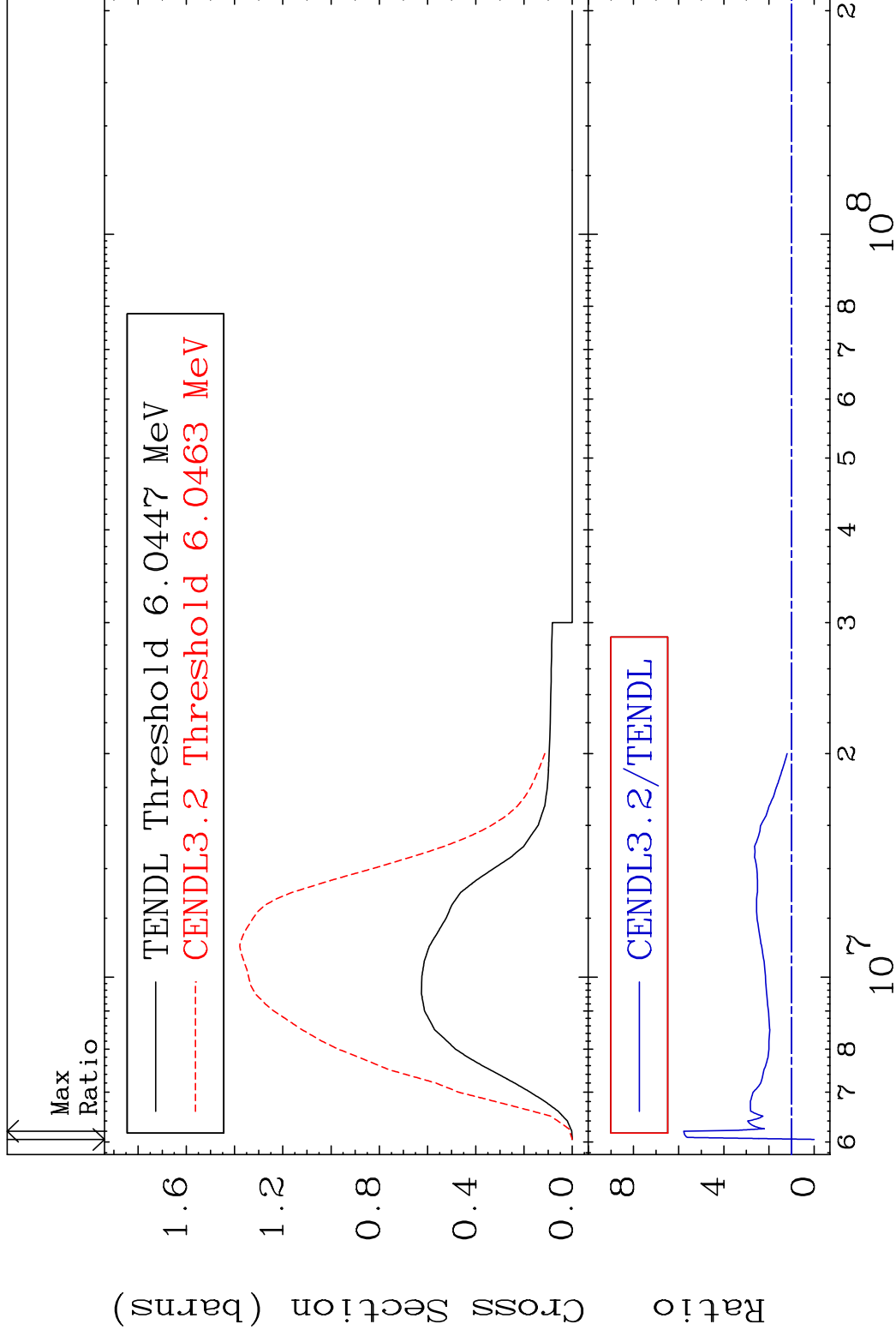
3 94-Pu-244

MAT 9452

(n,2n)

94-Pu-244

Cross Section -100.0 To 477.9 %



4

Incident Energy (eV)

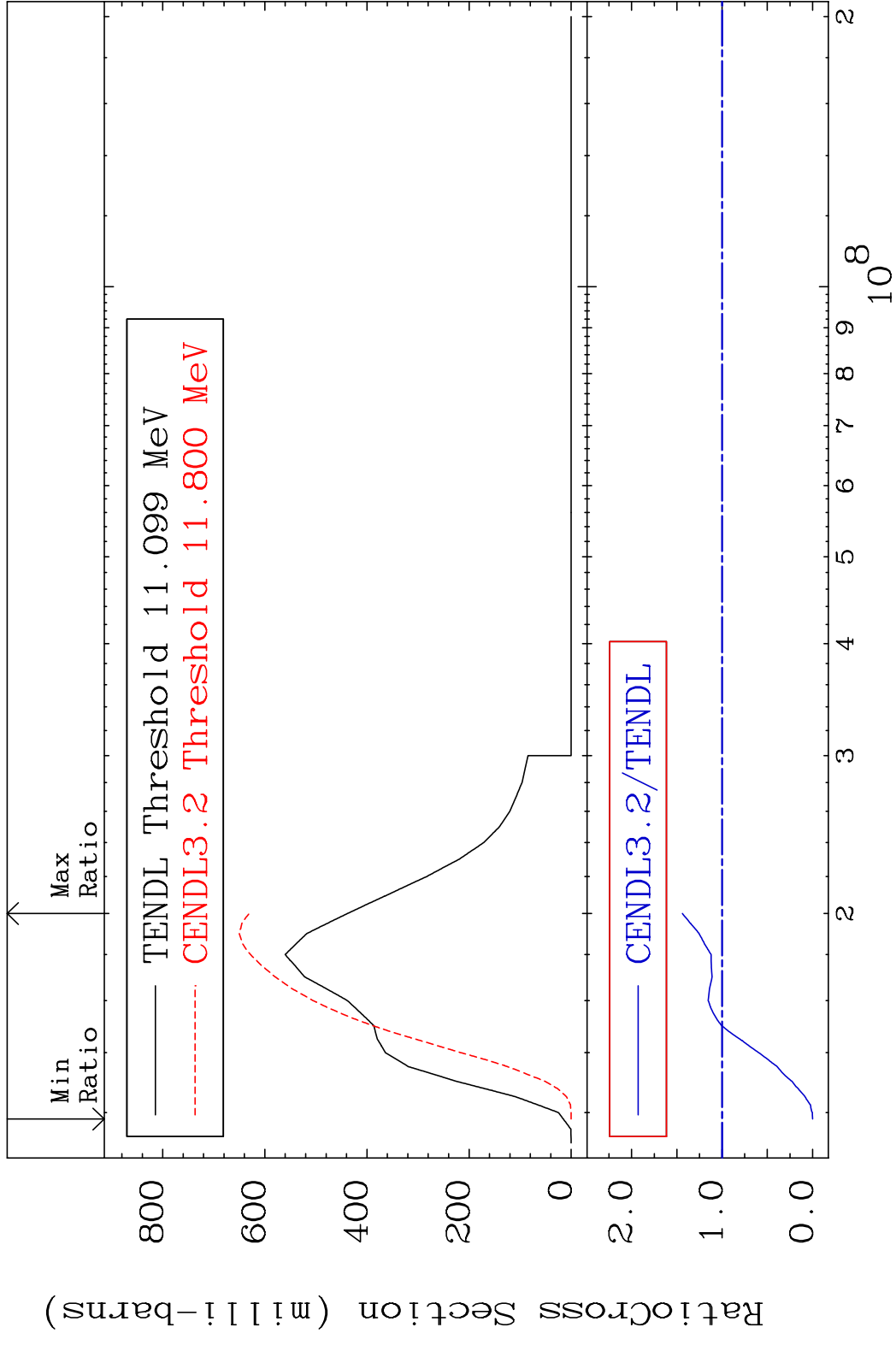
94-Pu-244

MAT 9452

(n,3n)

94-Pu-244

Cross Section -100.0 To 43.94 %

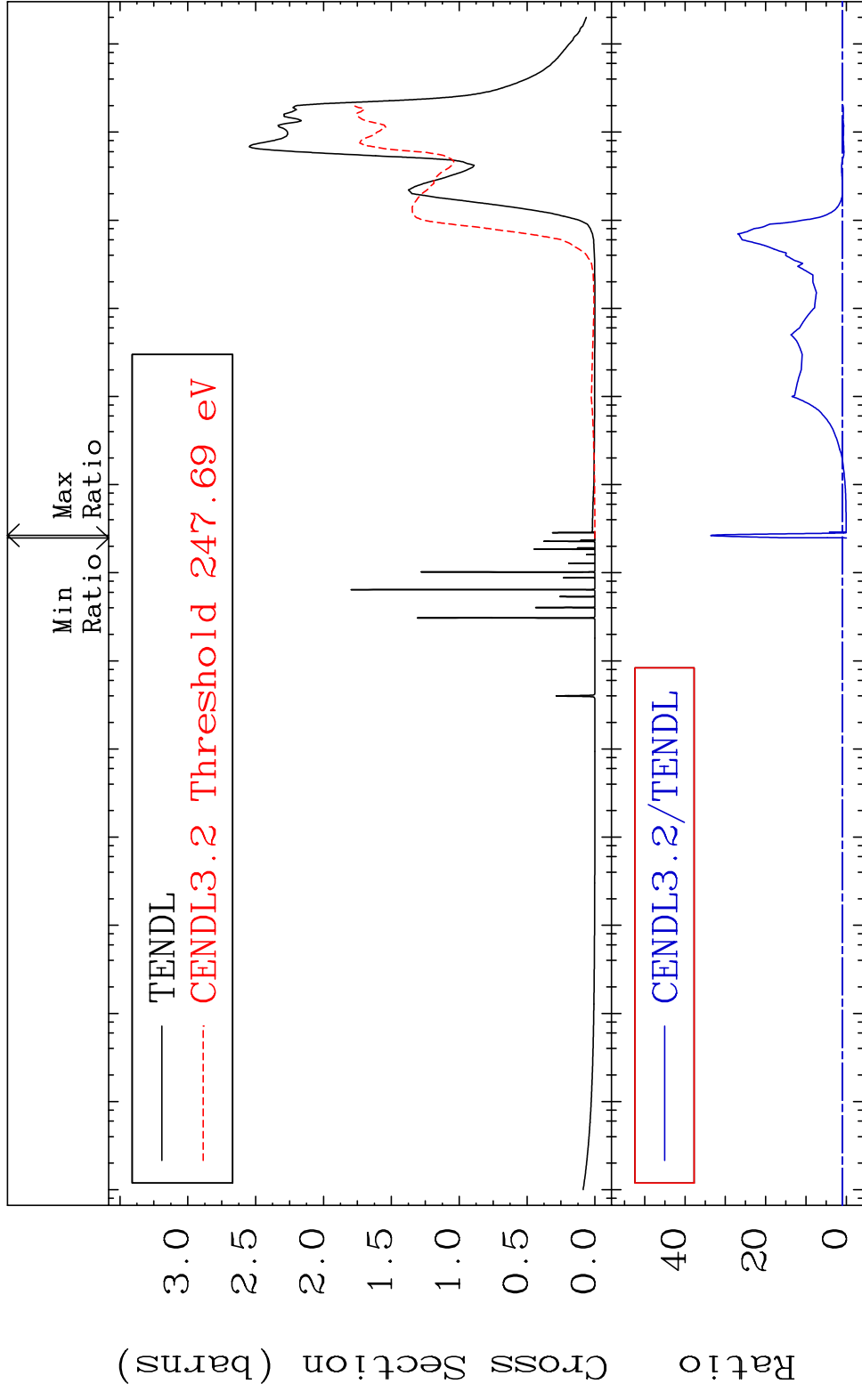


MAT 9452

Fission

94-Pu-244

Cross Section -100.0 To 3263. %

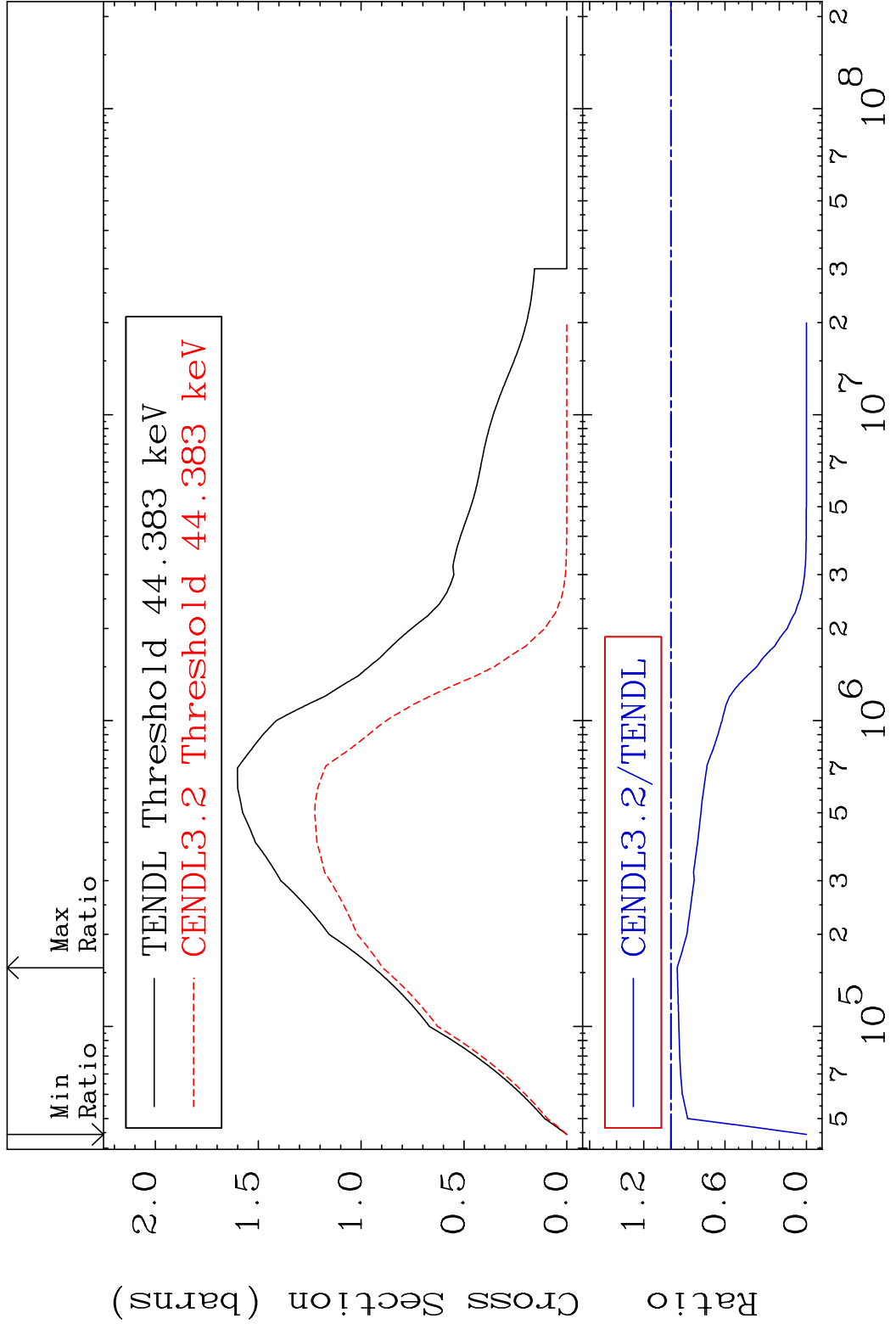


6

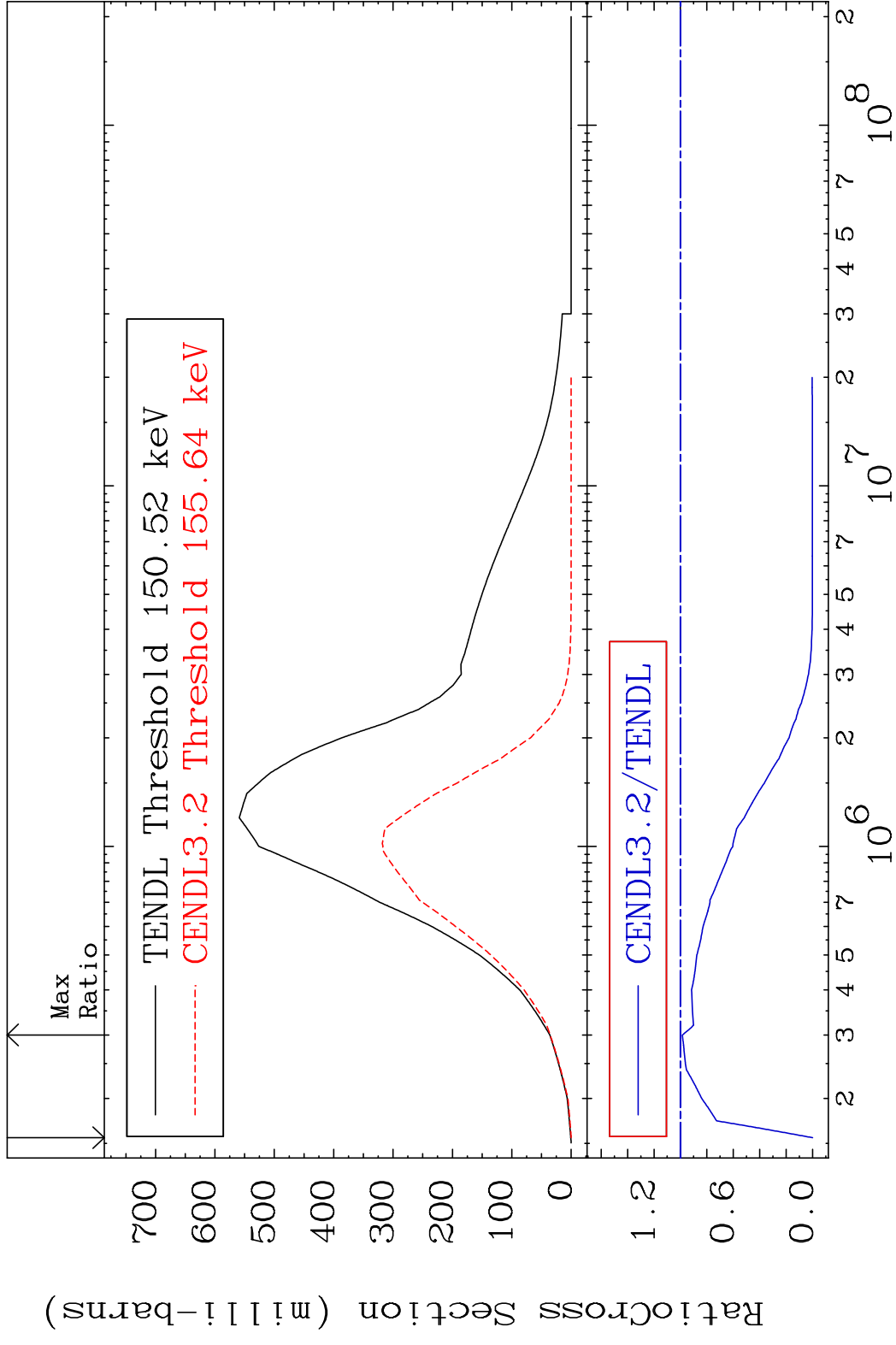
Incident Energy (eV)

94-Pu-244

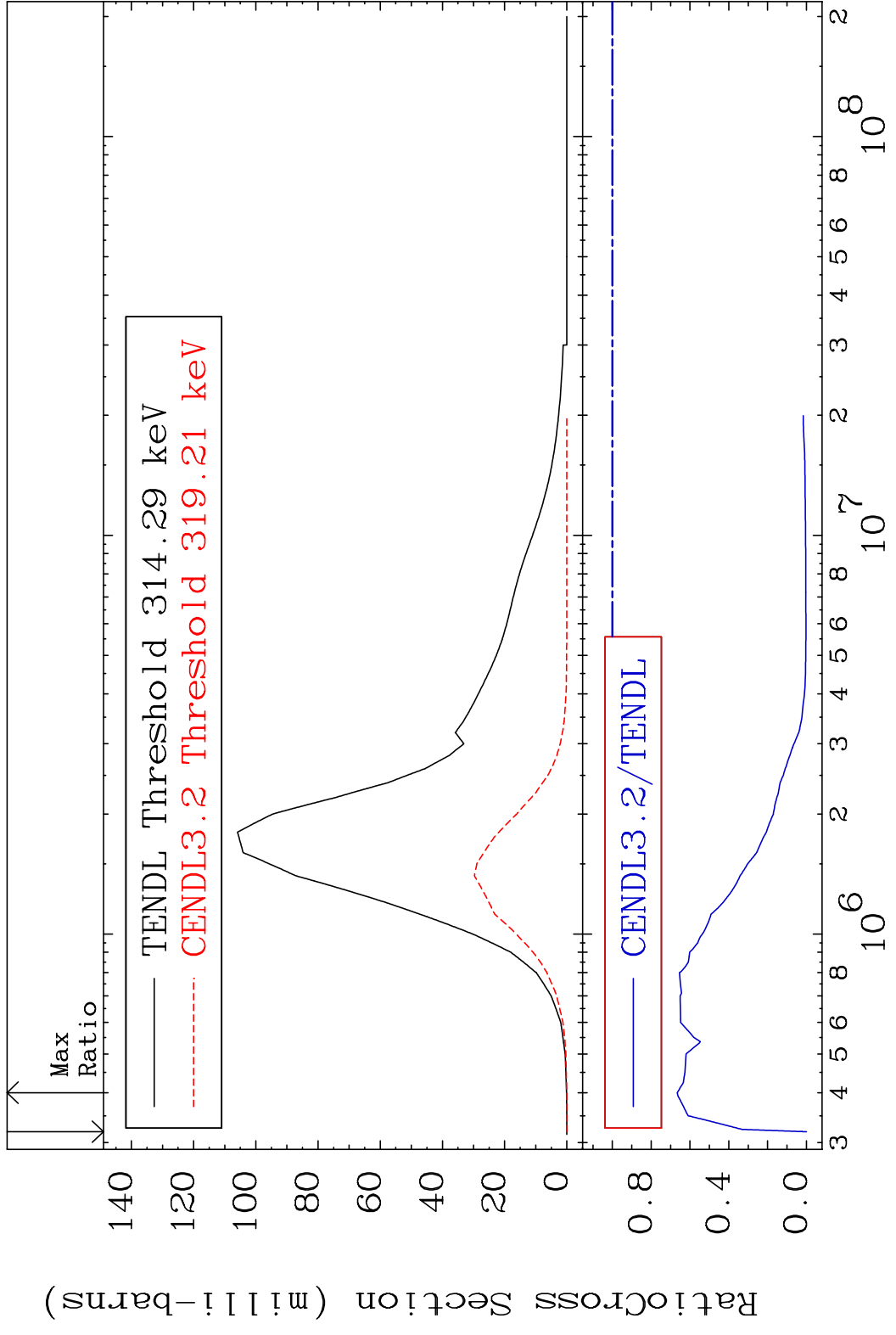
MAT 9452 MT= 51 (n, n') Level 94-Pu-244
 Cross Section -100.0 To -4.657%



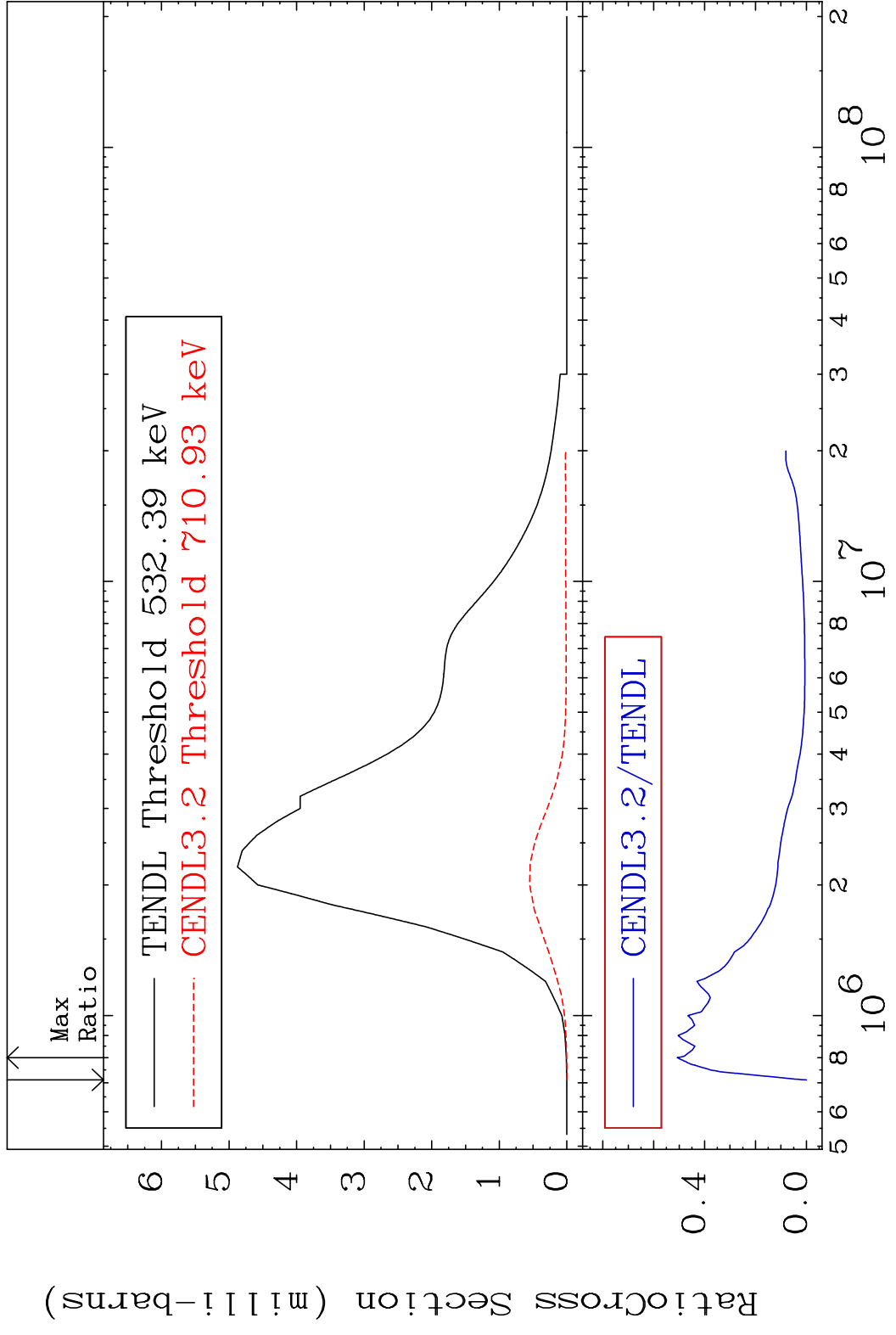
MAT 9452 MT= 52 (n,n') Level 94-Pu-244
 Cross Section -100.0 To -1.457%



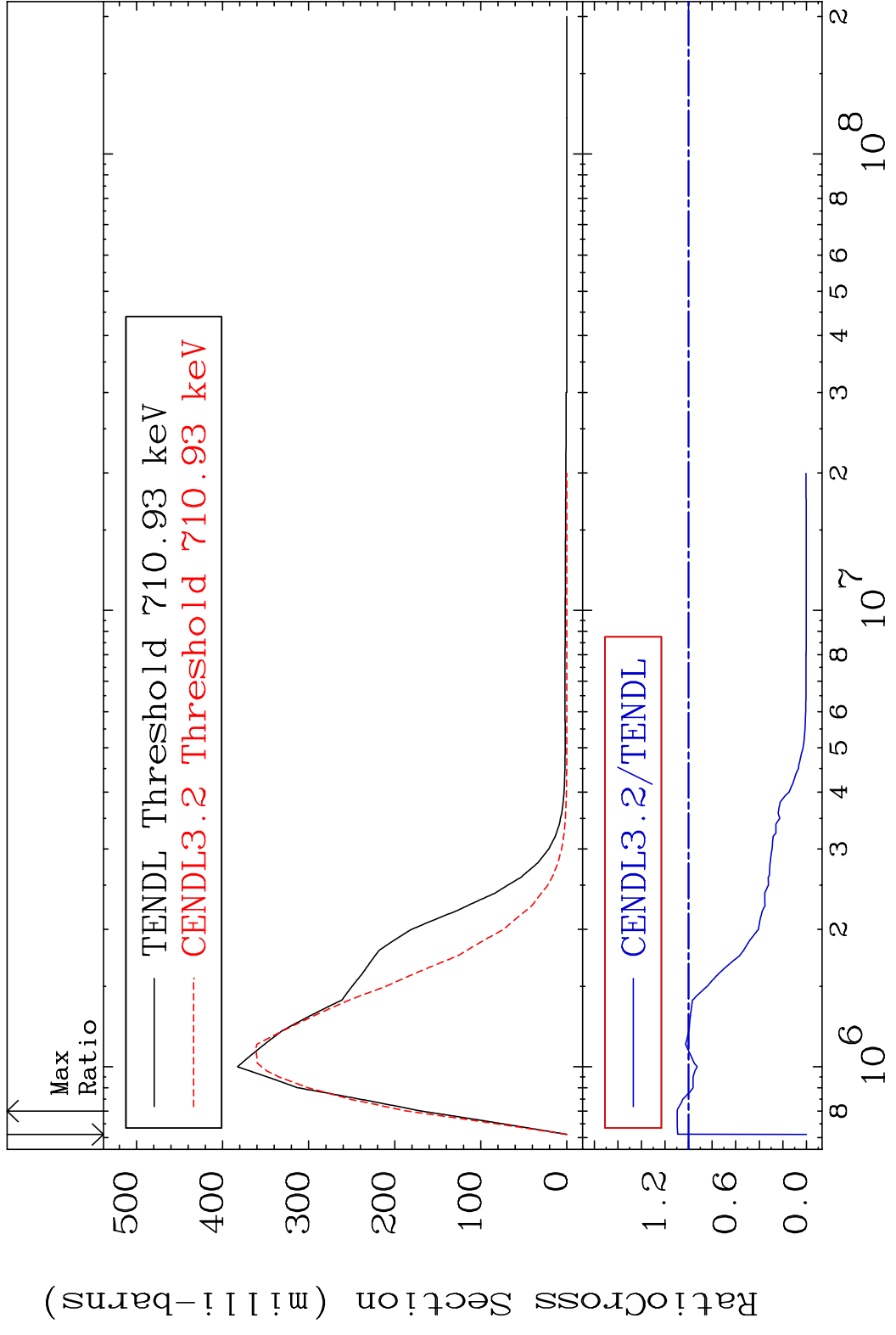
MAT 9452 MT= 53 (n, n') Level 94-Pu-244
 Cross Section -100.0 To -33.41%



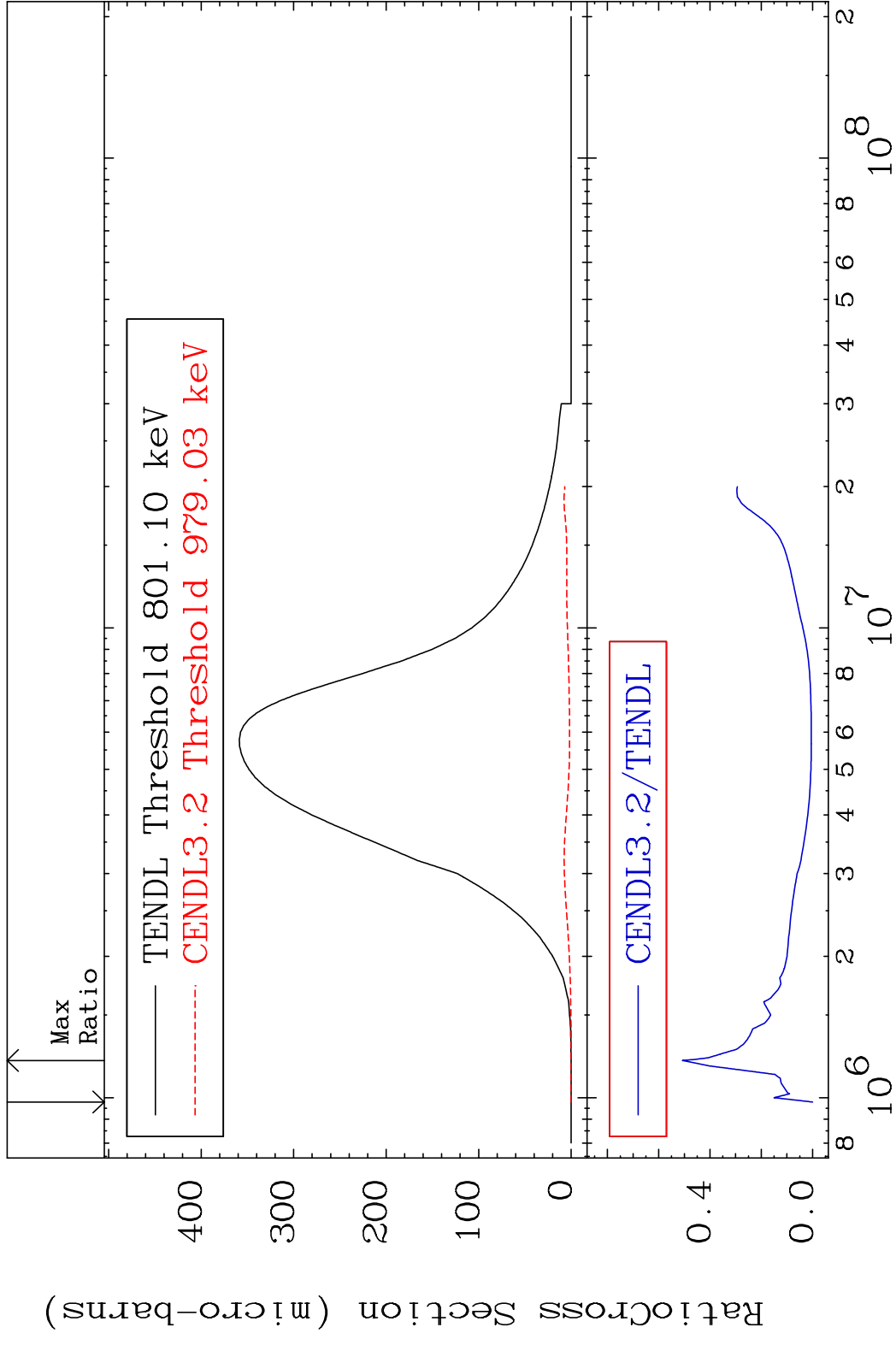
MAT 9452 MT= 54 (n,n') Level 94-Pu-244
 Cross Section -100.0 To -49.22%



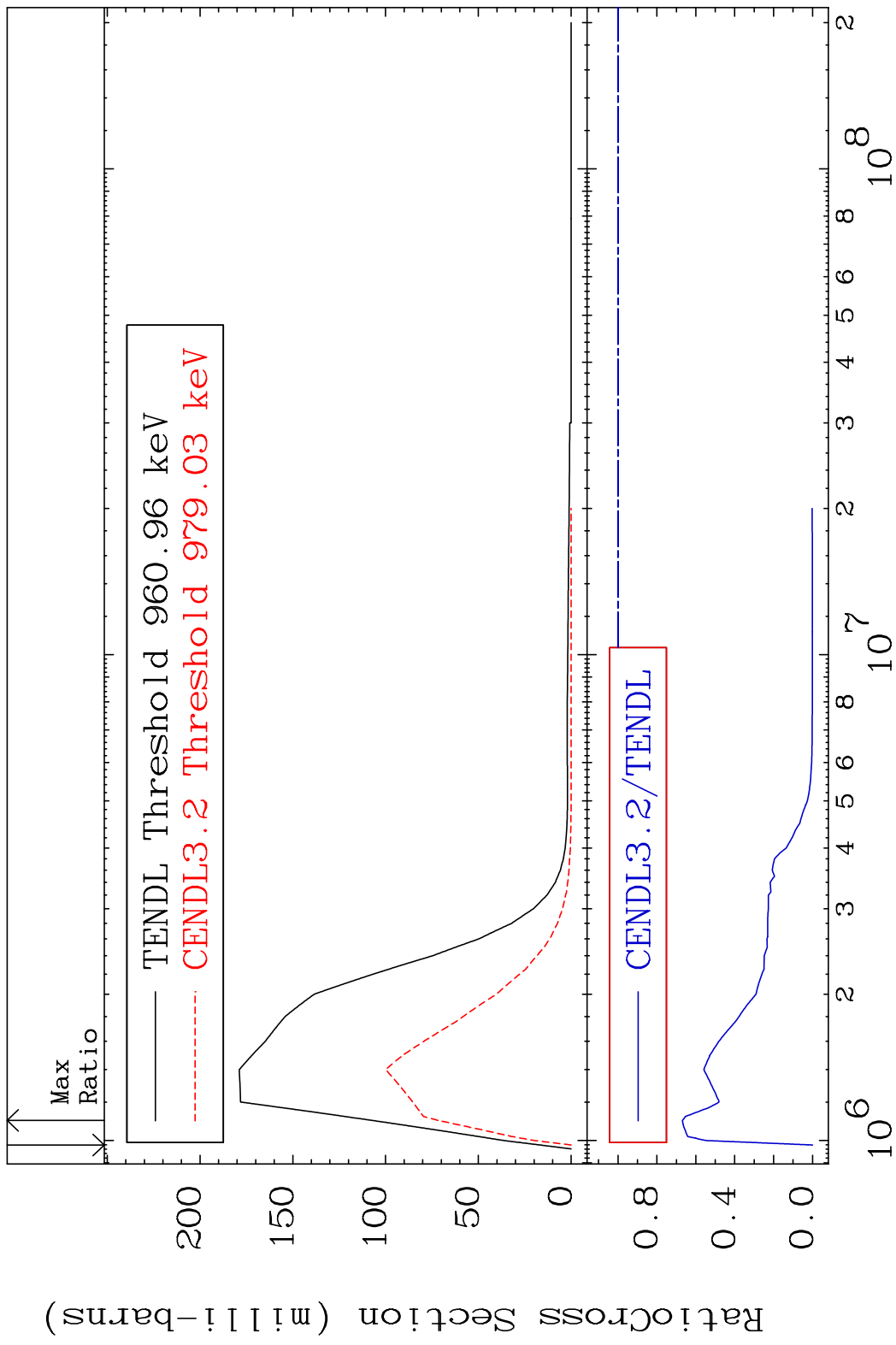
MAT 9452 MT= 55 (n,n') Level 94-Pu-244
 Cross Section -100.0 To 9.689 %



MAT 9452 MT= 56 (n,n') Level 94-Pu-244
 Cross Section -100.0 To -49.22%

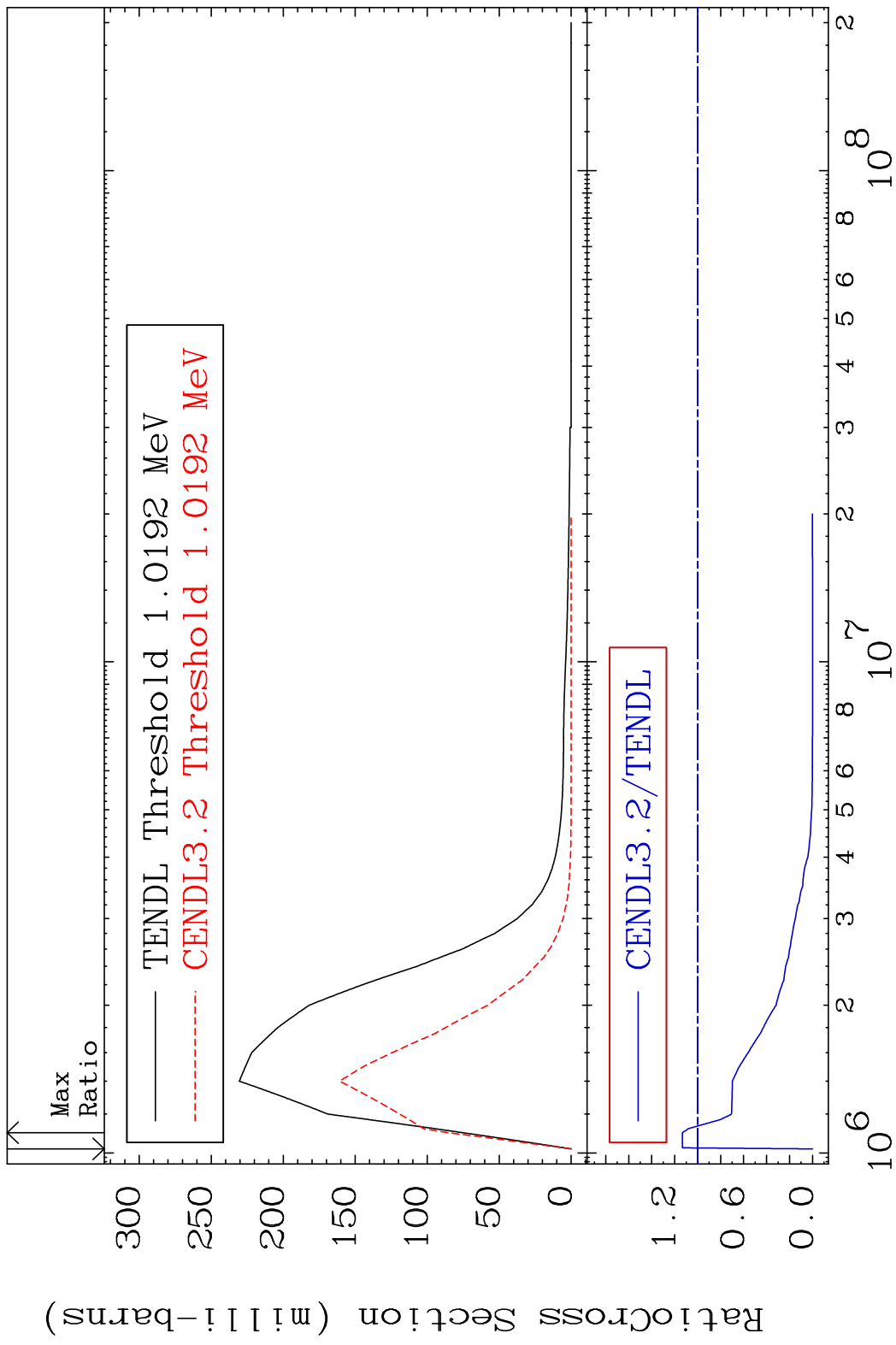


MAT 9452 MT= 57 (n, n') Level 94-Pu-244
 Cross Section -100.0 To -33.08%



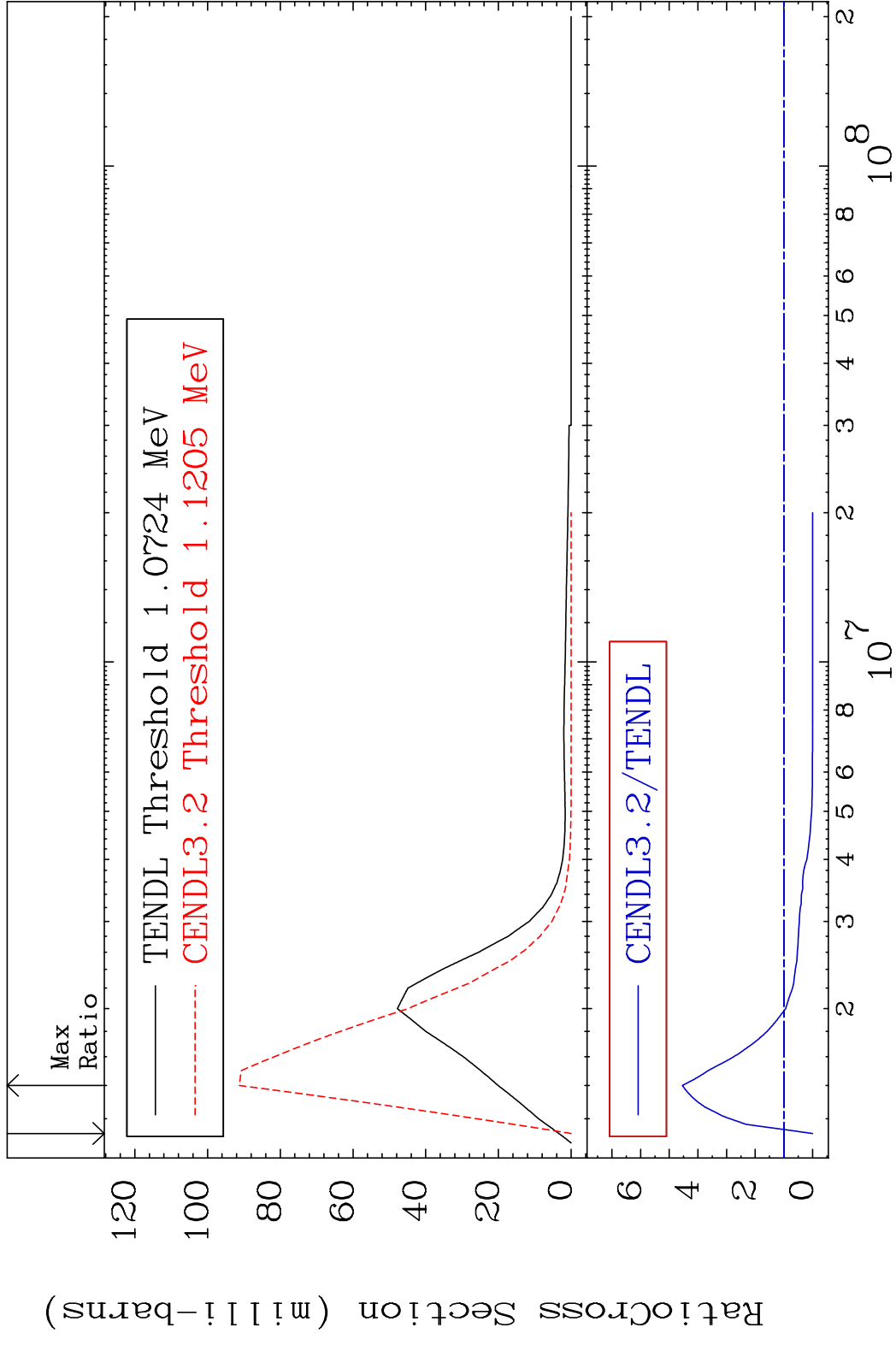
13 Incident Energy (eV) 94-Pu-244

MAT 9452 MT= 58 (n, n') Level 94-Pu-244
 Cross Section -100.0 To 13.32 %



14 Incident Energy (eV) 94-Pu-244

MAT 9452 MT= 59 (n, n') Level 94-Pu-244
 Cross Section -100.0 To 354.4 %

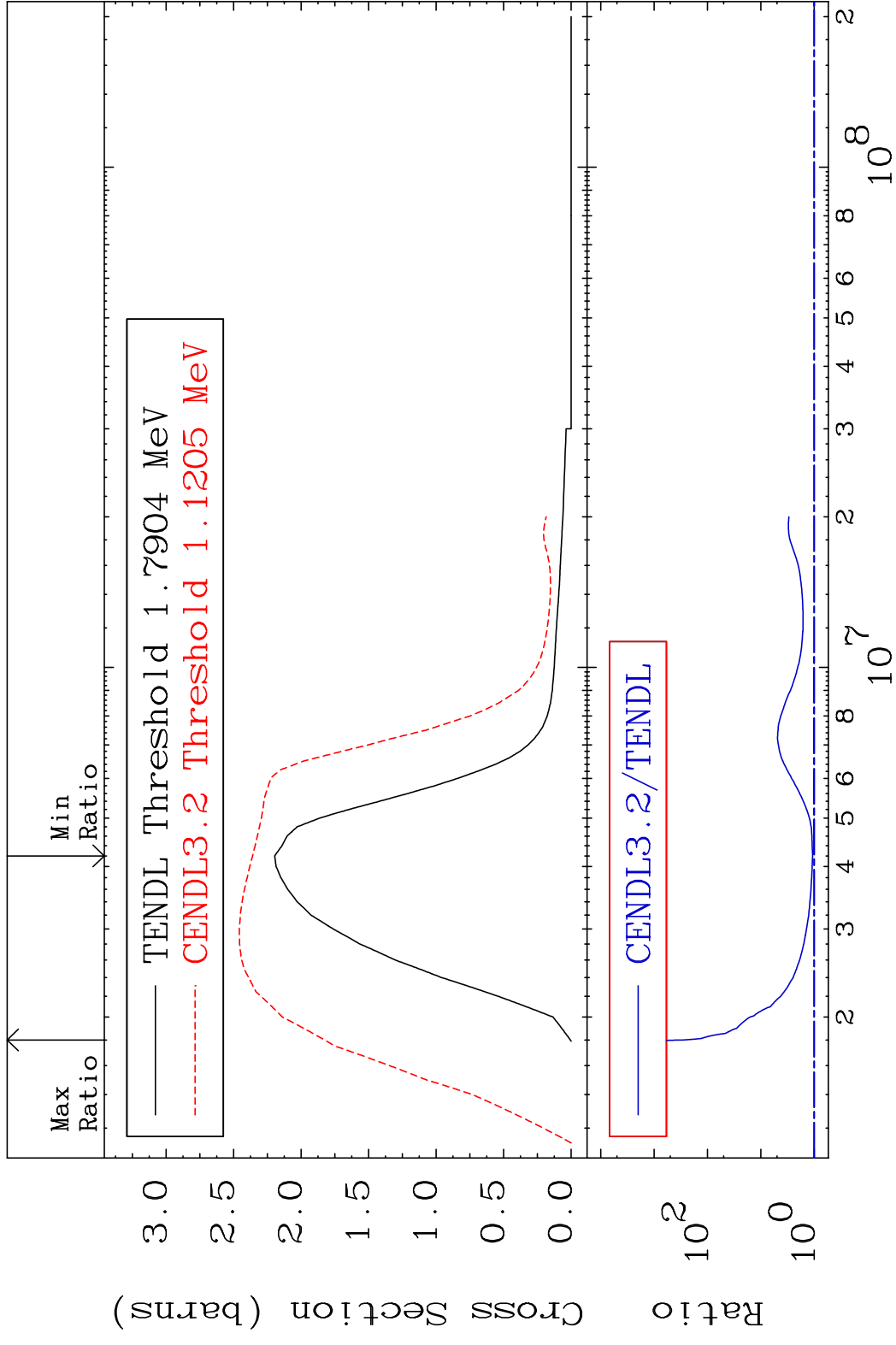


MAT 9452

(n,n') Continuum

94-Pu-244

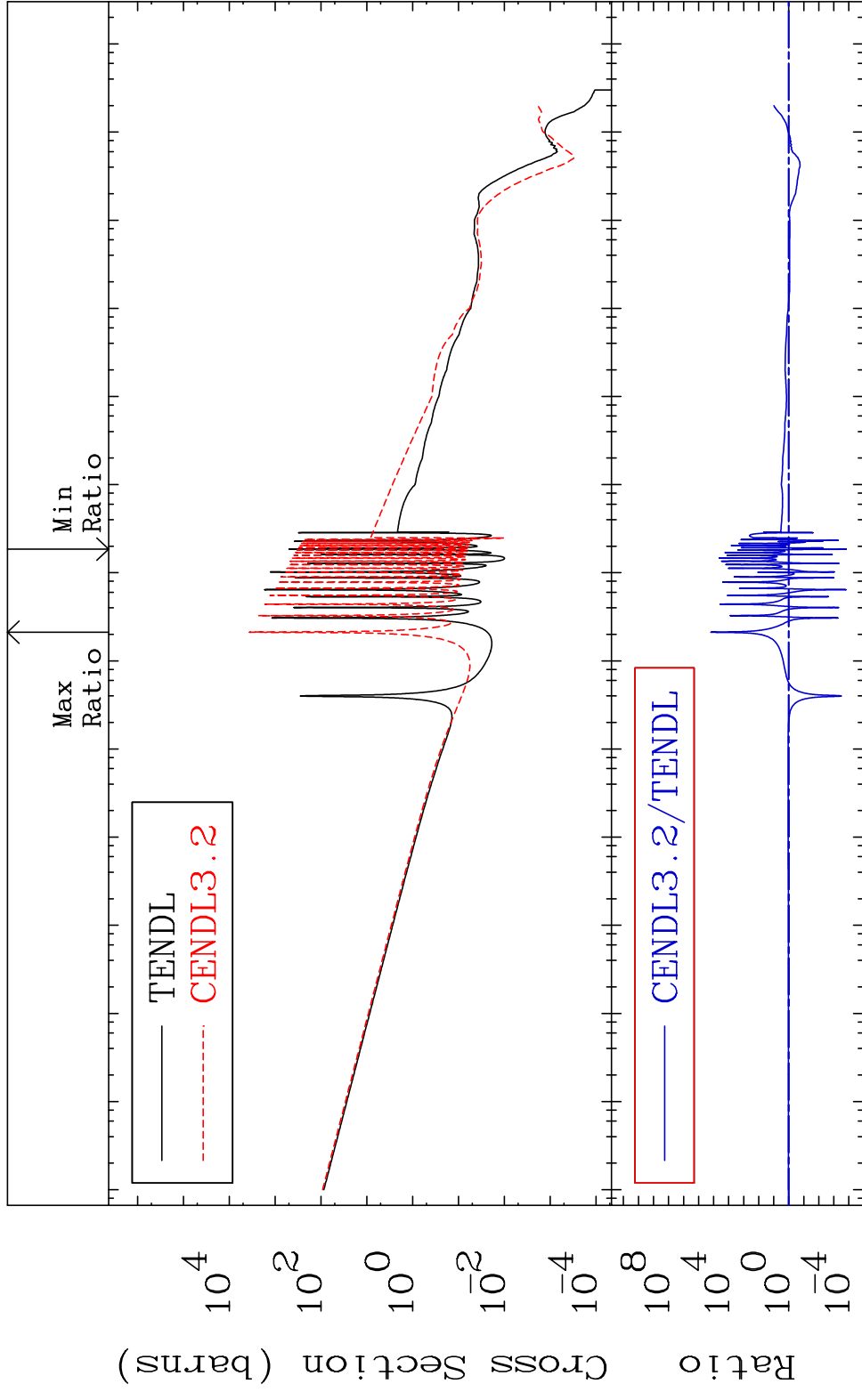
Cross Section 7.442 To 9999. %



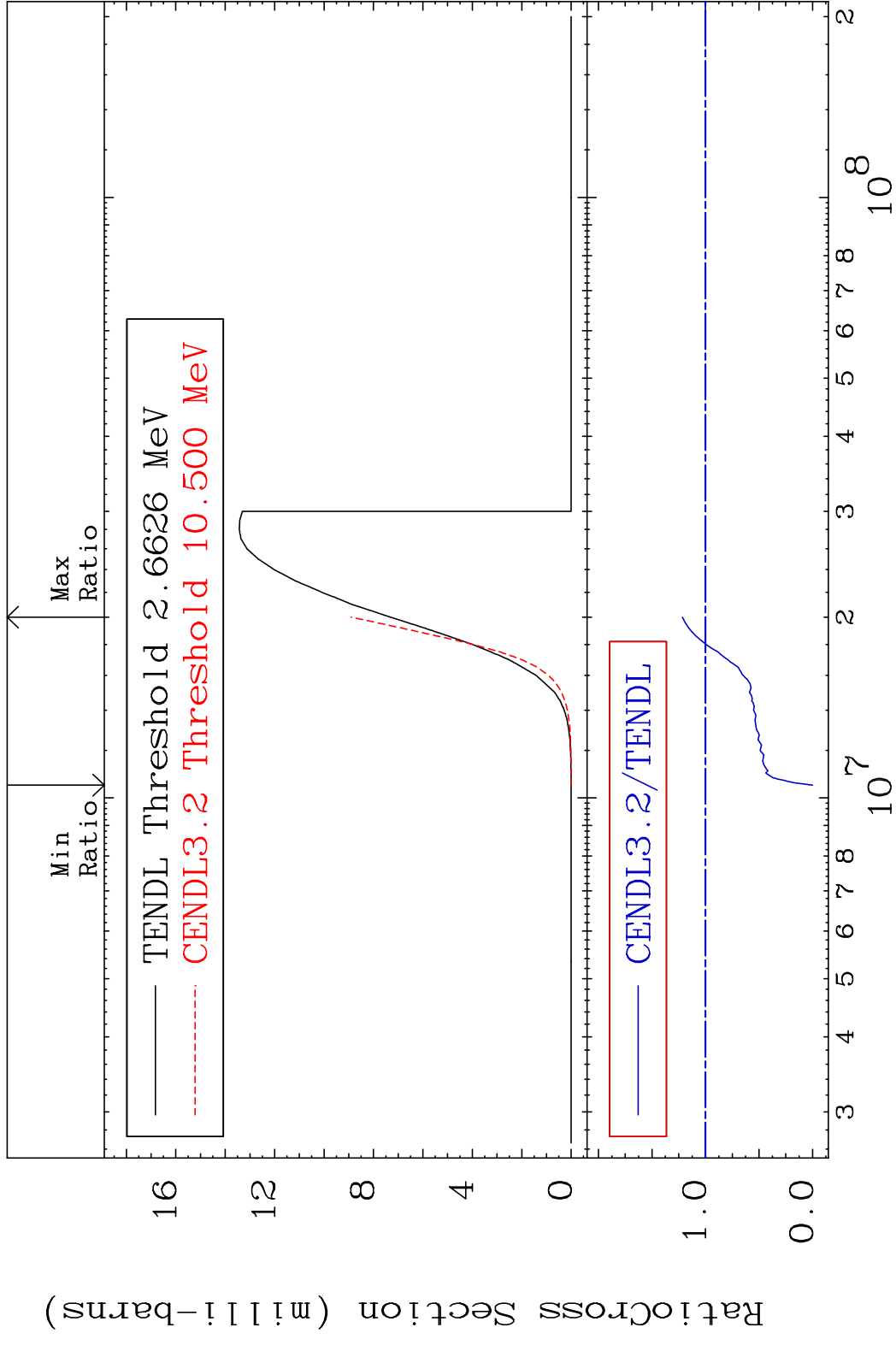
MAT 9452

(n, γ)
Cross Section -99.99 To 9999. %

94-Pu-244



MAT 9452 (n,p) 94-Pu-244
 Cross Section -100.0 To 21.65 %



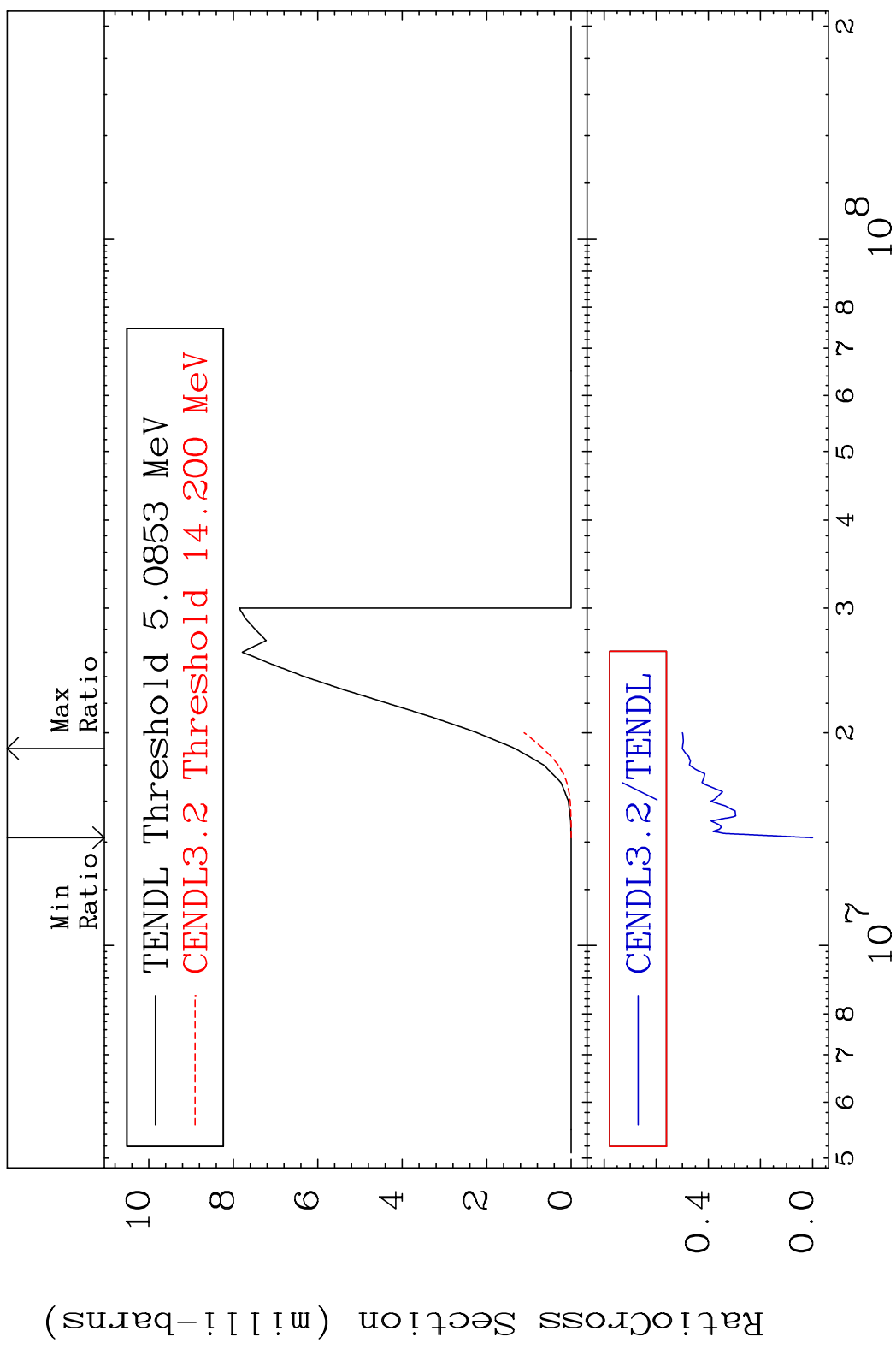
18 94-Pu-244

MAT 9452

(n, d)

94-Pu-244

Cross Section -100.0 To -50.02%

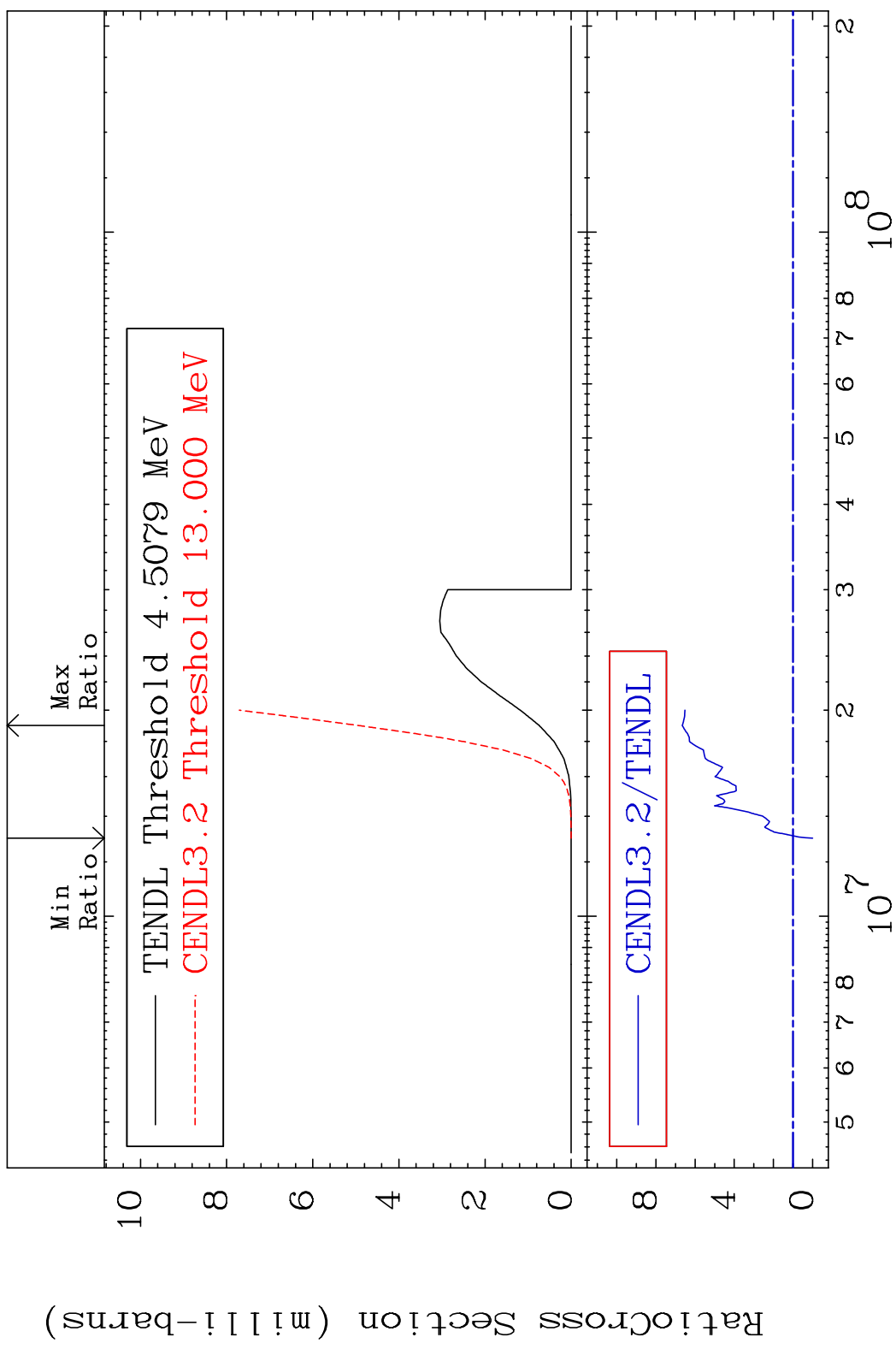


MAT 9452

(n, t)

94-Pu-244

Cross Section -100.0 To 565.1 %



20

Incident Energy (eV)

94-Pu-244

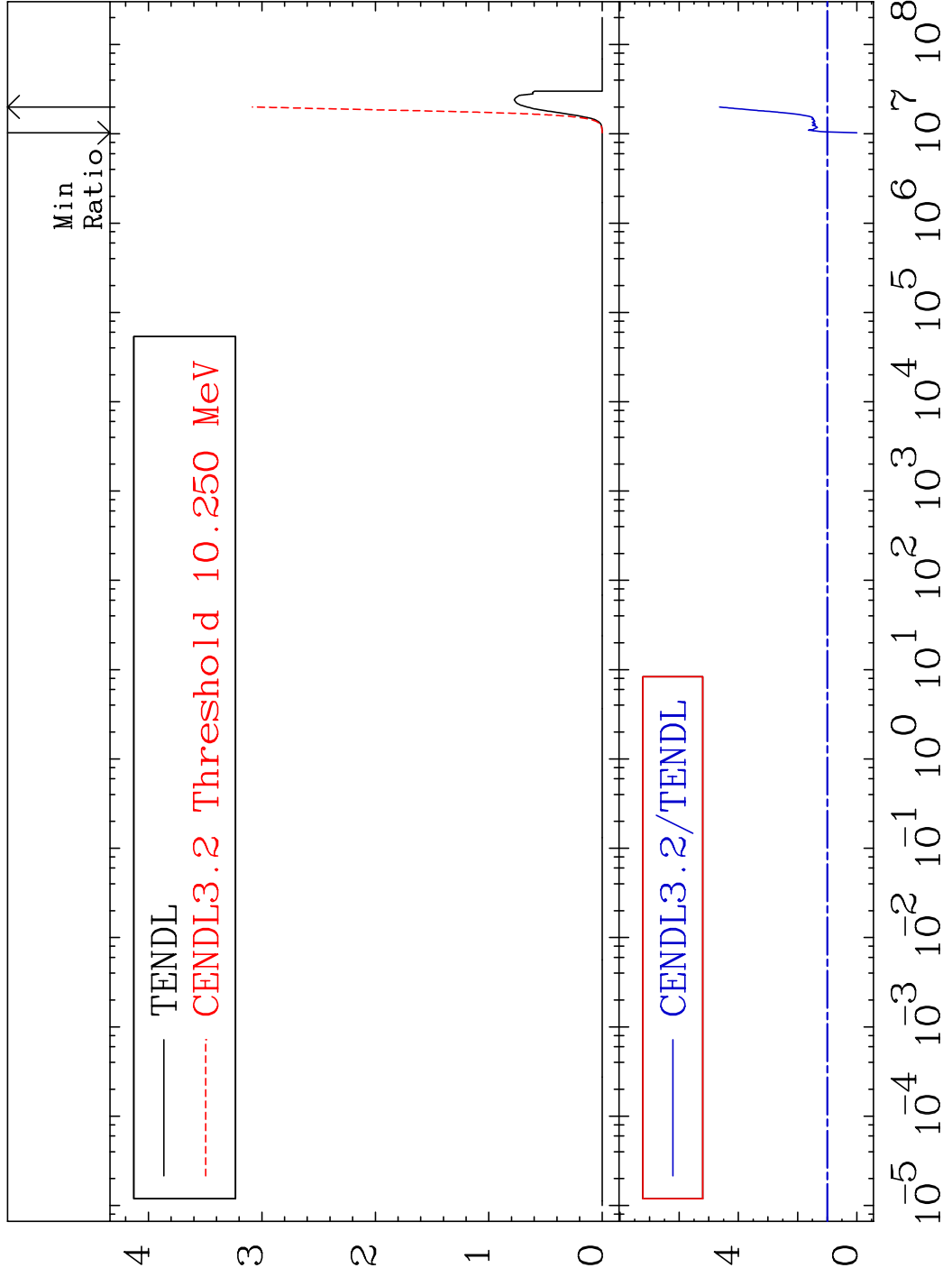
MAT 9452

(n, α)

94-Pu-244

Cross Section -100.0 To 363.8 %

RatioCross Section (milli-barns)



21

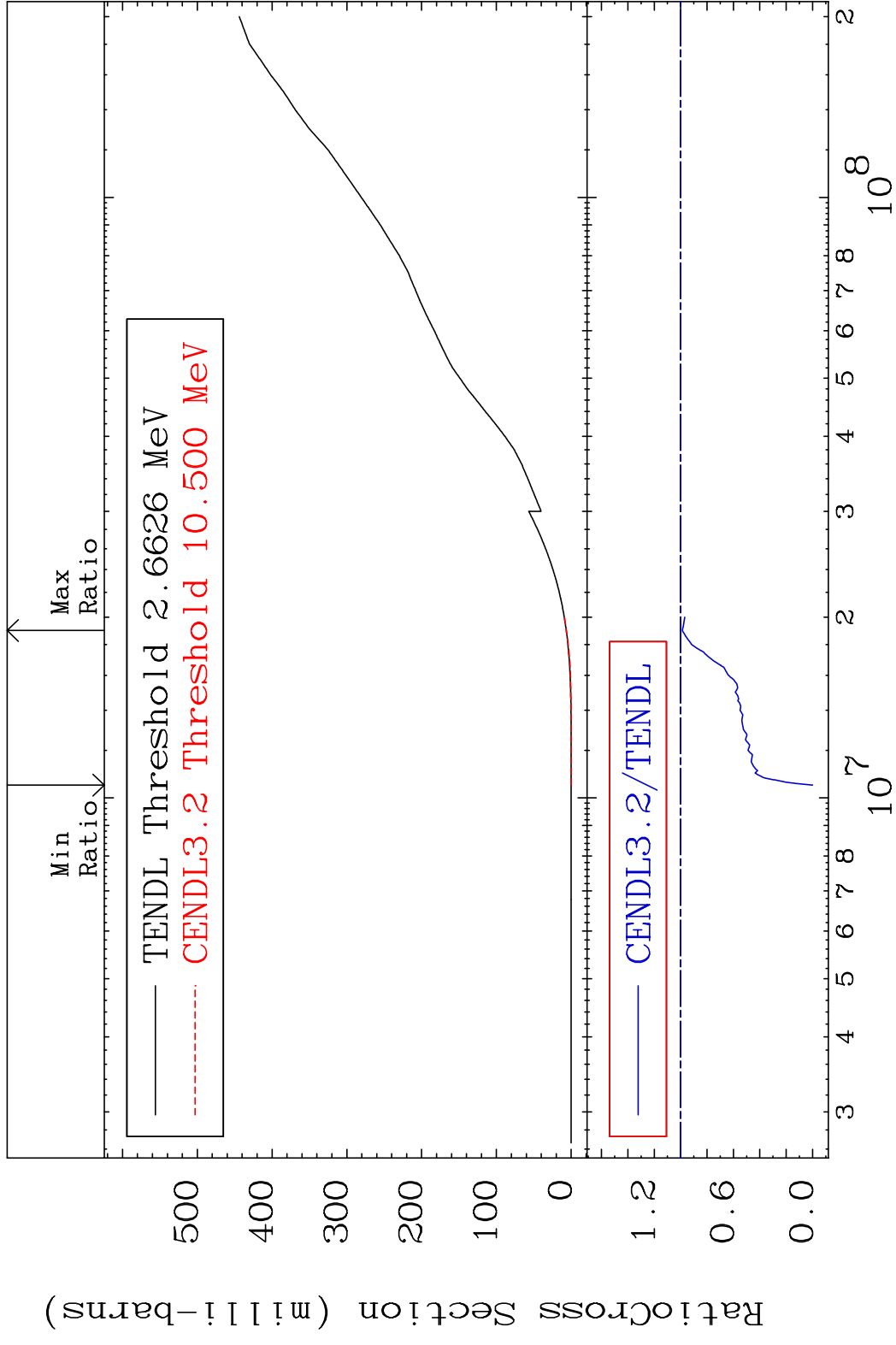
Incident Energy (eV)

94-Pu-244

MAT 9452

Hydrogen Production
Cross Section -100.0 To -1.310%

94-Pu-244



22

Incident Energy (eV)

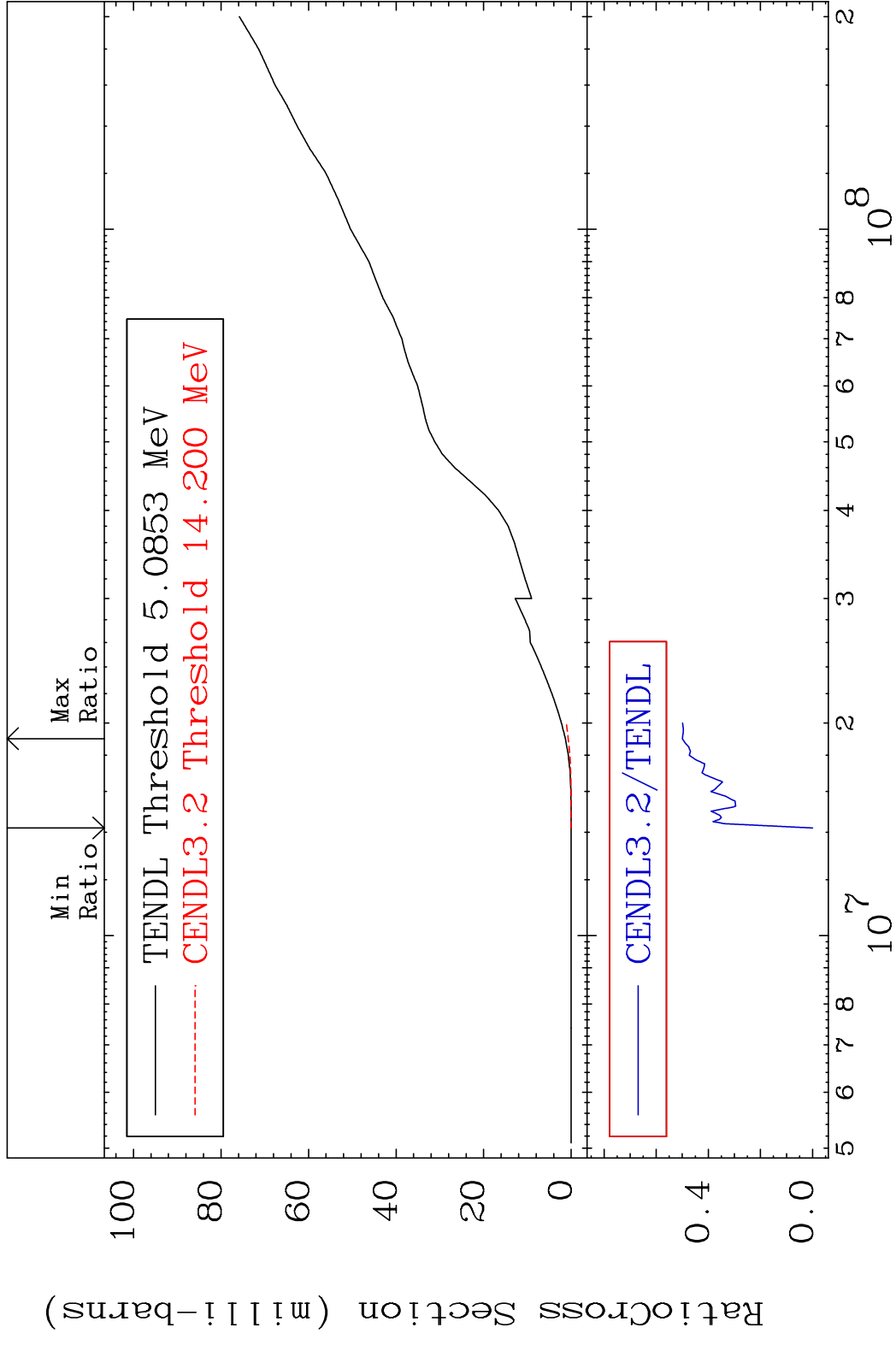
94-Pu-244

MAT 9452

Deuterium Production

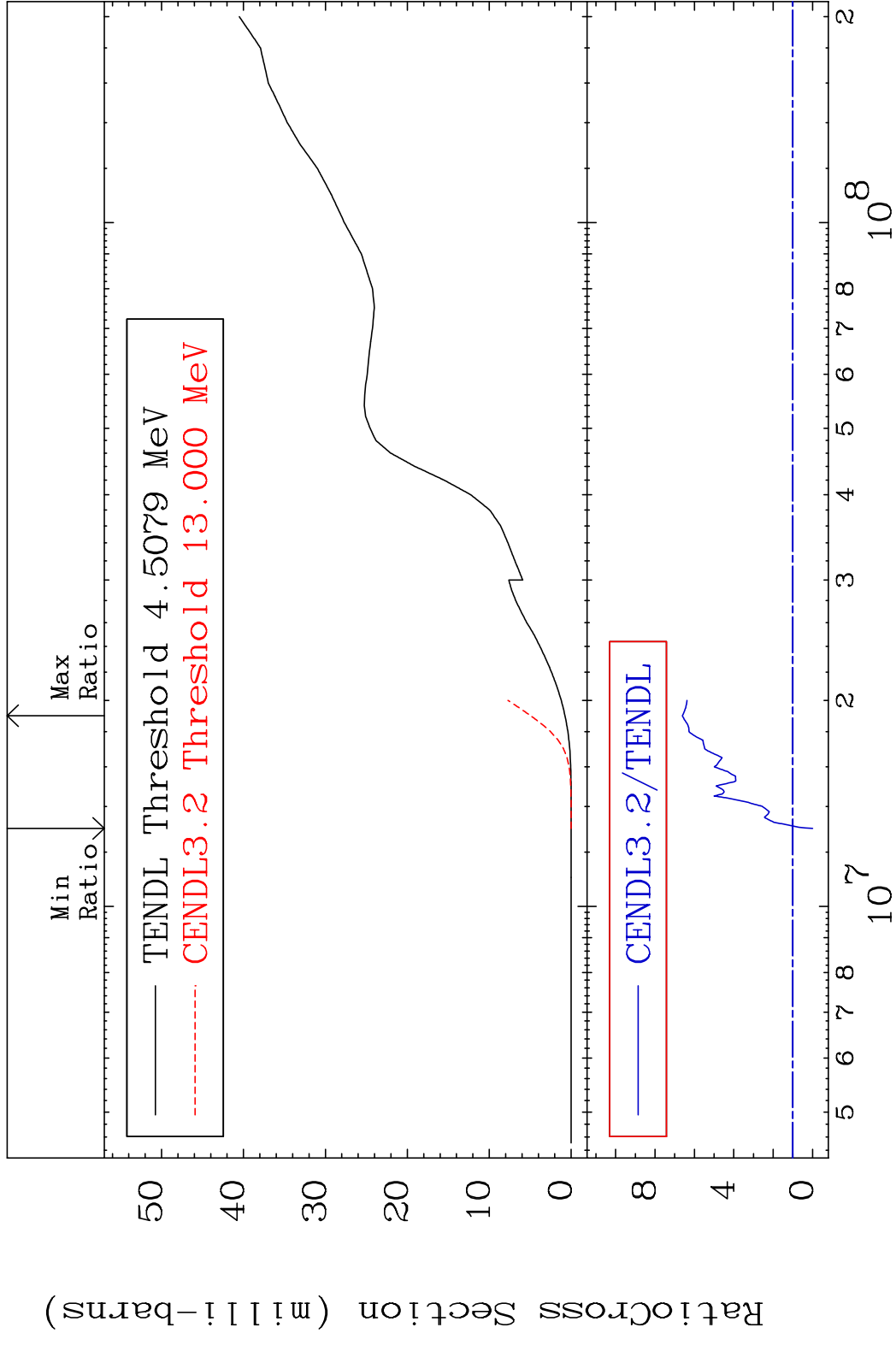
⁹⁴Pu-244

Cross Section -100.0 To -50.03%



MAT 9452

Tritium Production 94-Pu-244
Cross Section -100.0 To 561.3 %

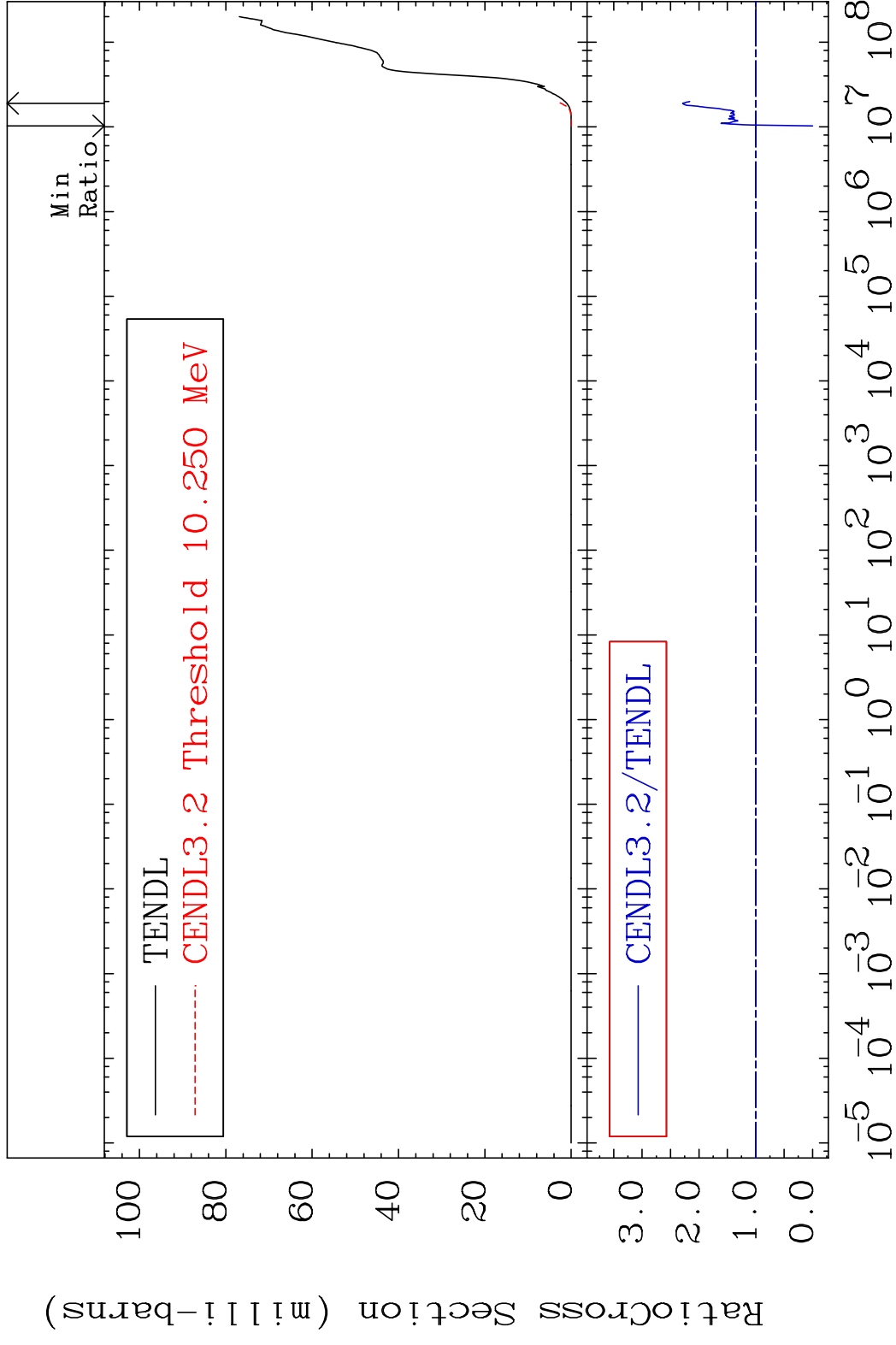


MAT 9452

He-4 Production

94-Pu-244

Cross Section -100.0 To 129.2 %

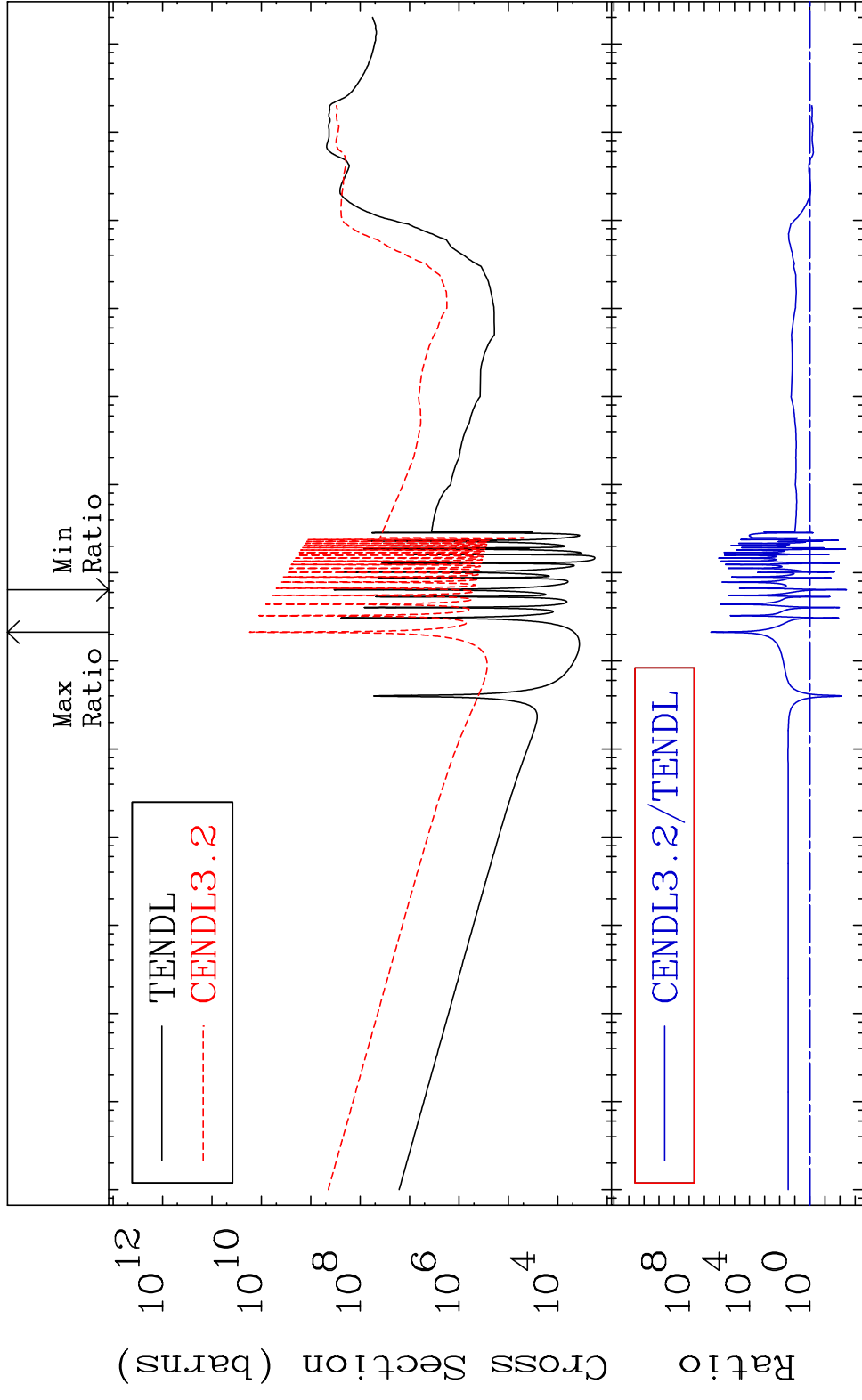


25

Incident Energy (eV)

94-Pu-244

MAT 9452 Kerma total (eV-barns) 94-Pu-244
 Cross Section -99.62 To 9999. %

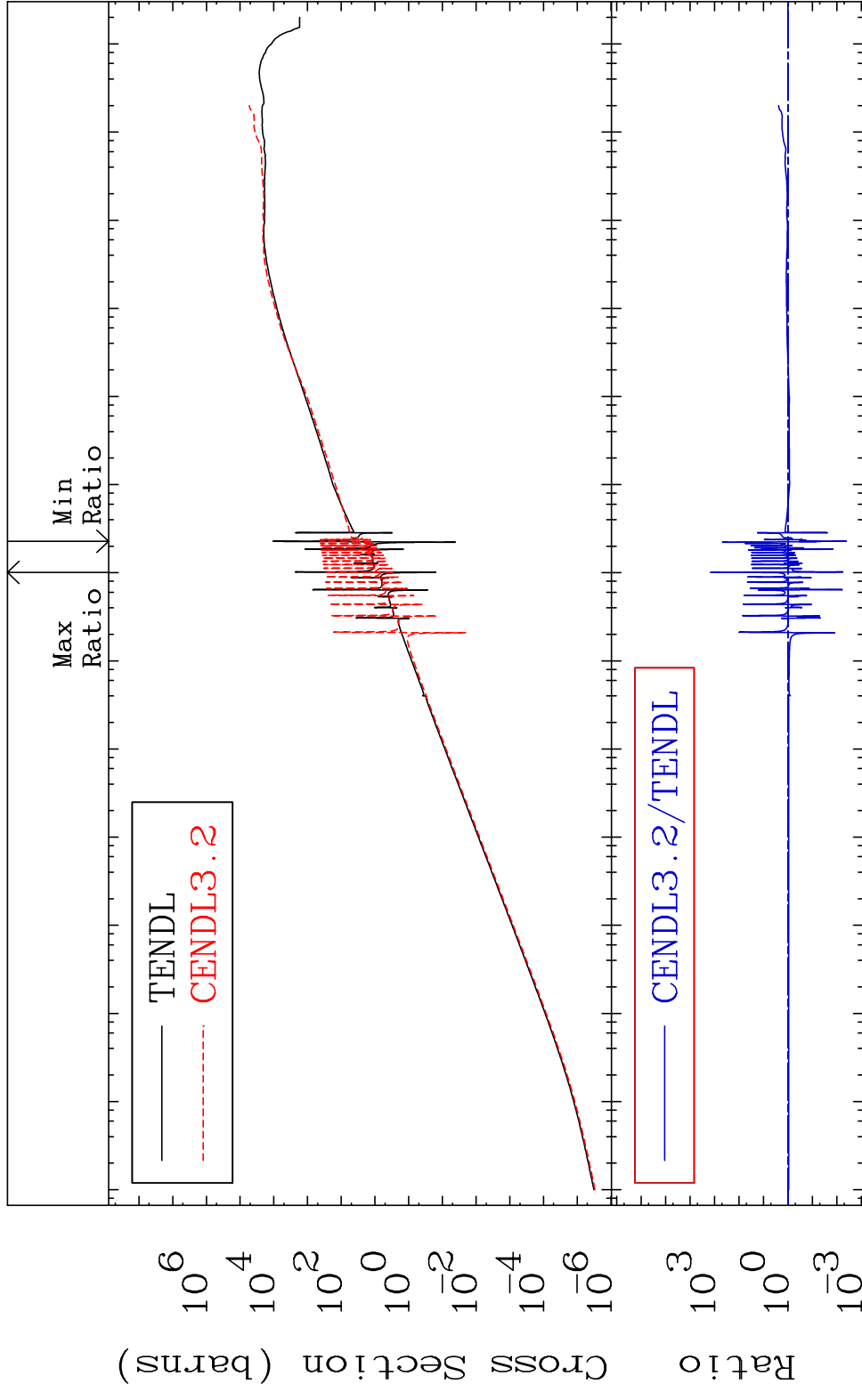


26 Incident Energy (eV) 94-Pu-244

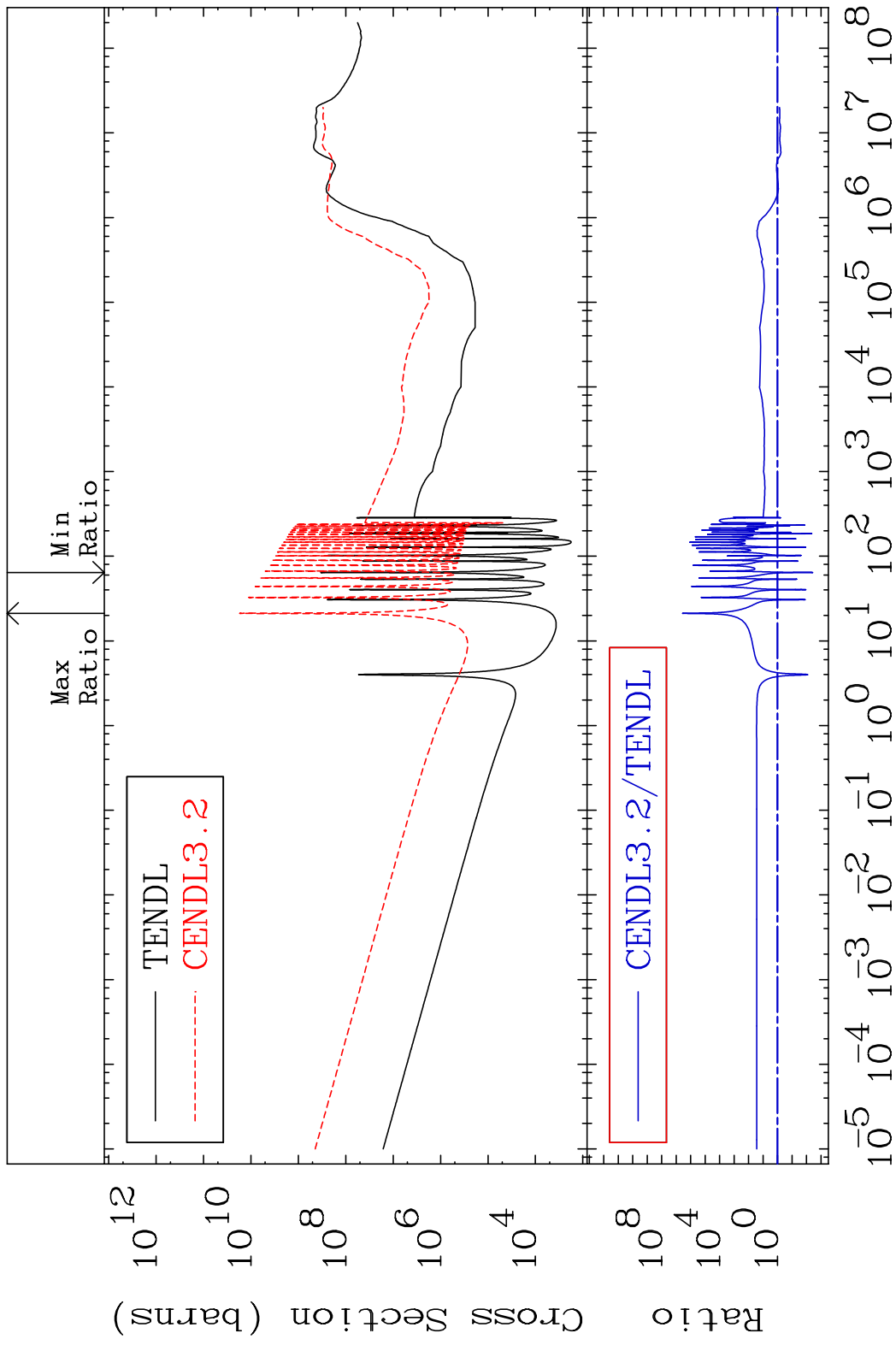
MAT 9452

Kerma elastic
Cross Section -99.59 To 9999. %

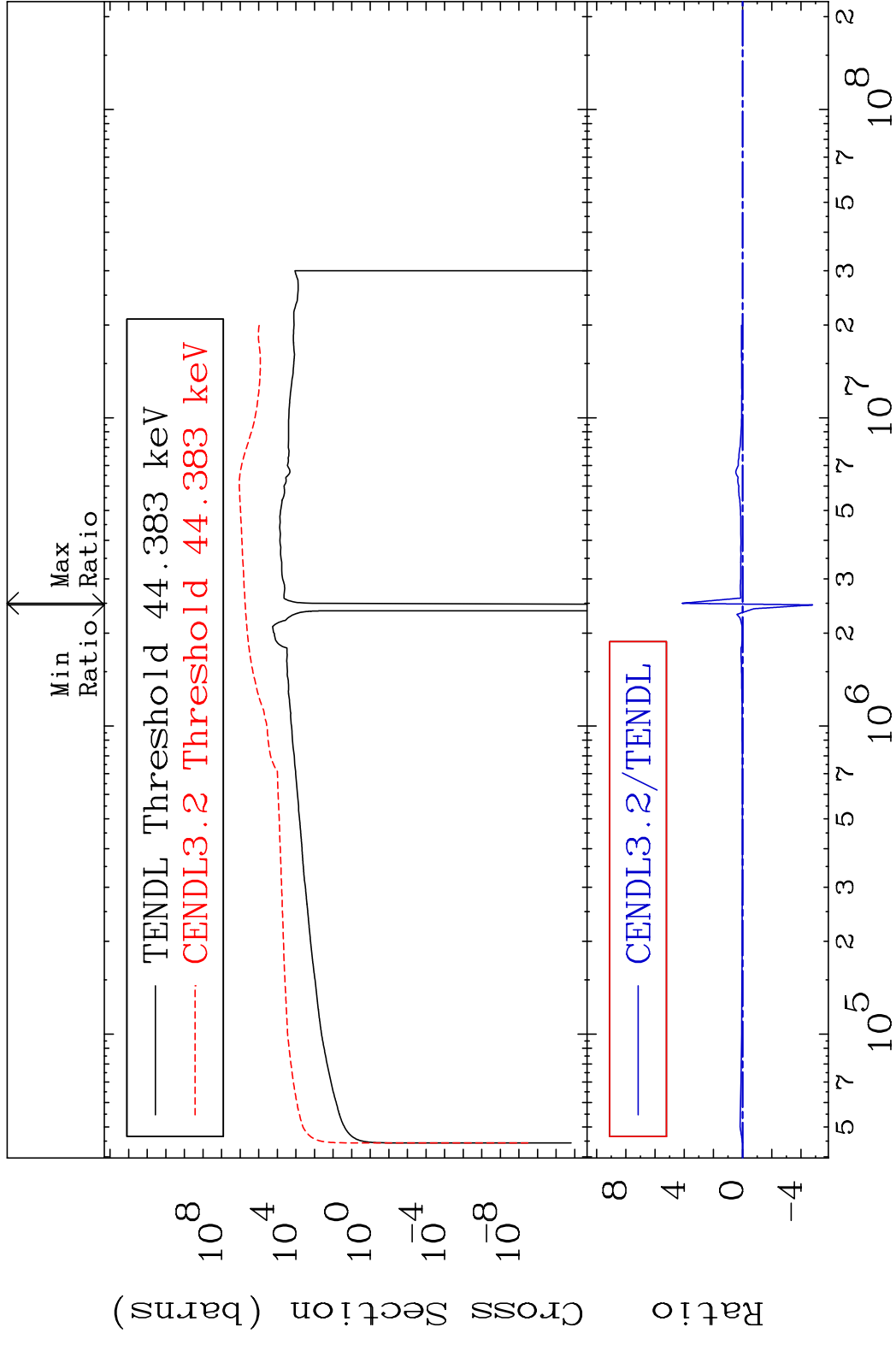
94-Pu-244



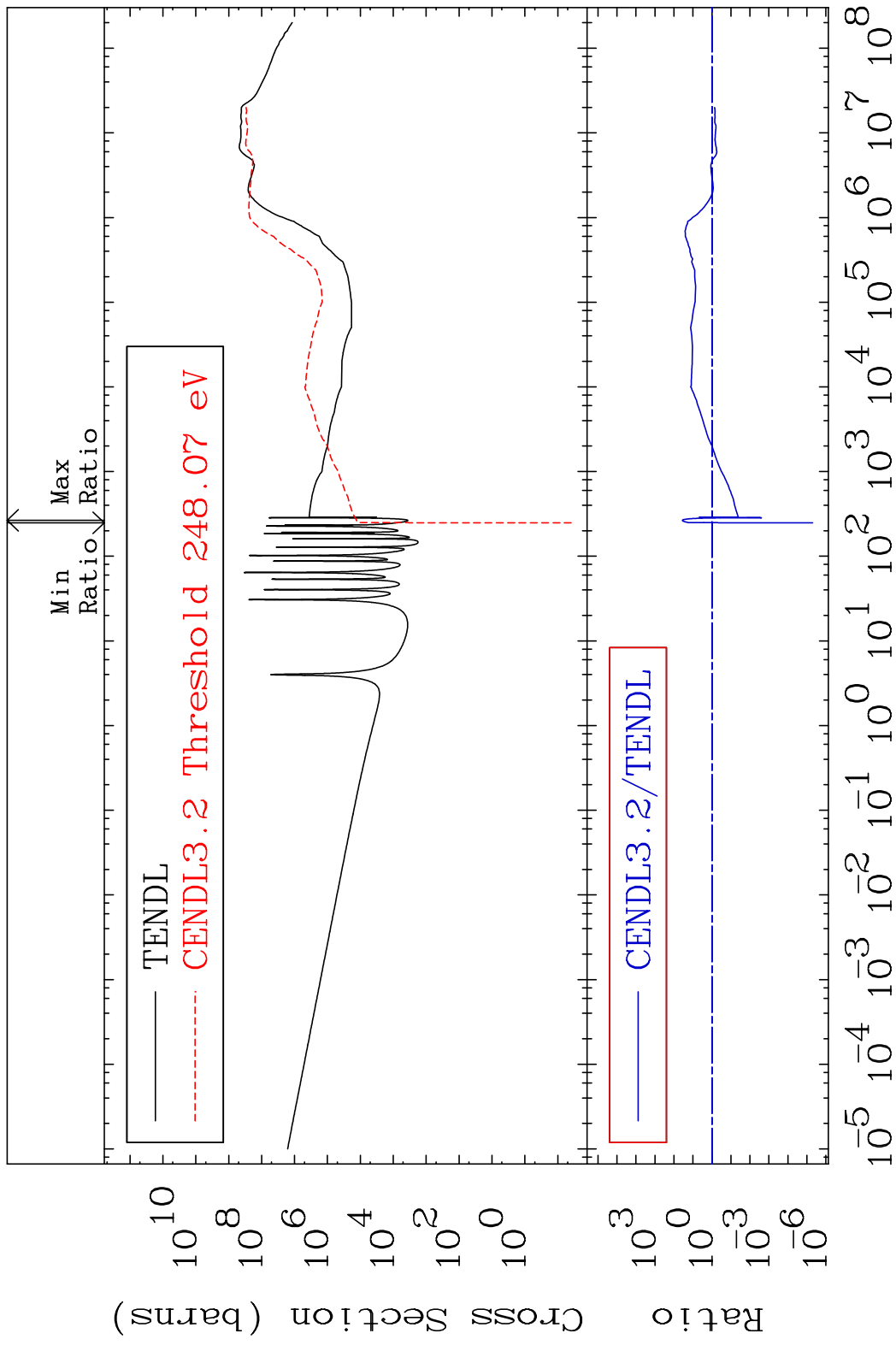
MAT 9452 Kerma non-elastic (all but mt2) 94-Pu-244
 Cross Section -99.62 To 9999. %

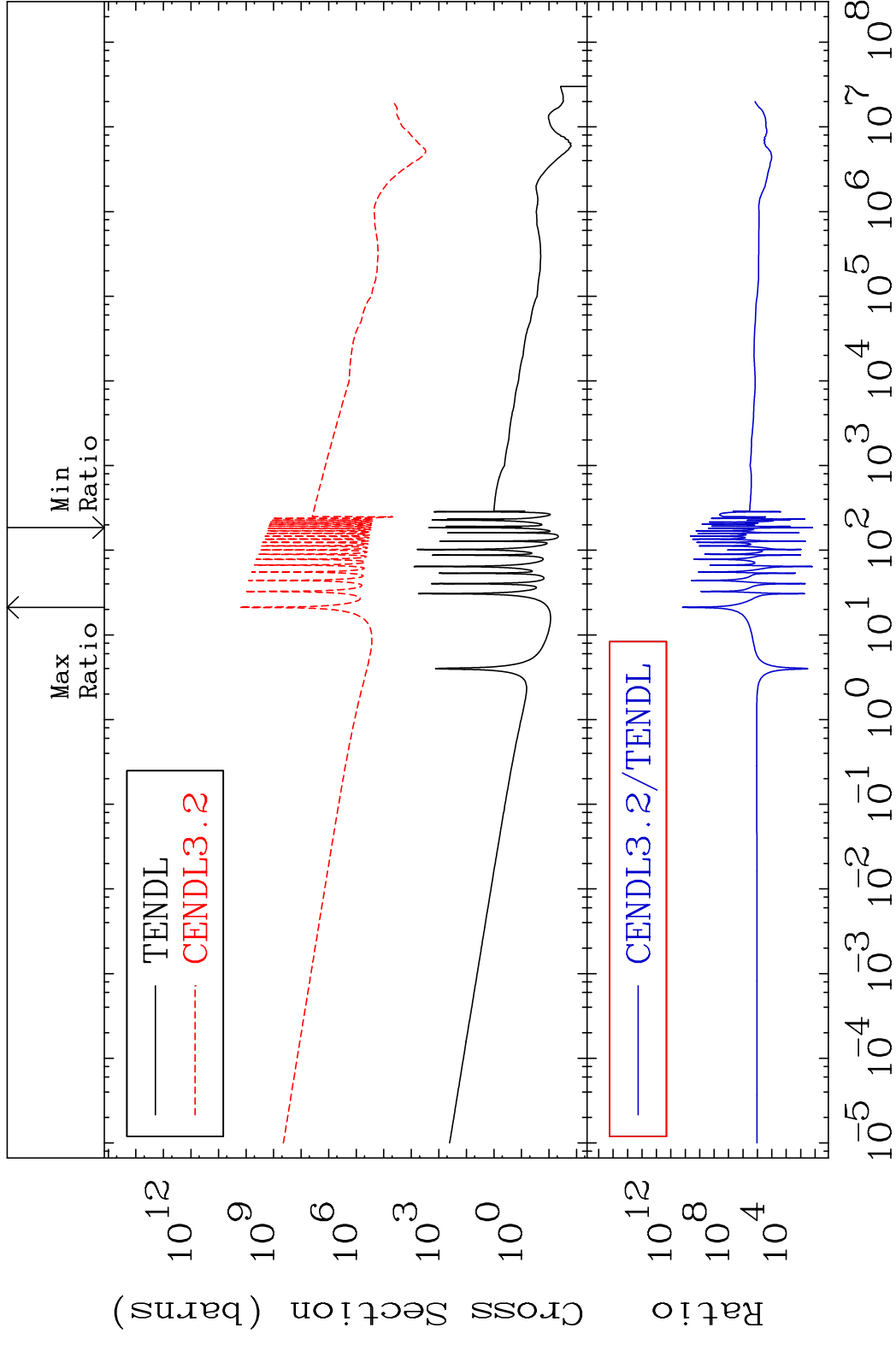


MAT 9452 Kerma inelastic (mt51-91) 94-Pu-244
 Cross Section -9999. To 9999. %

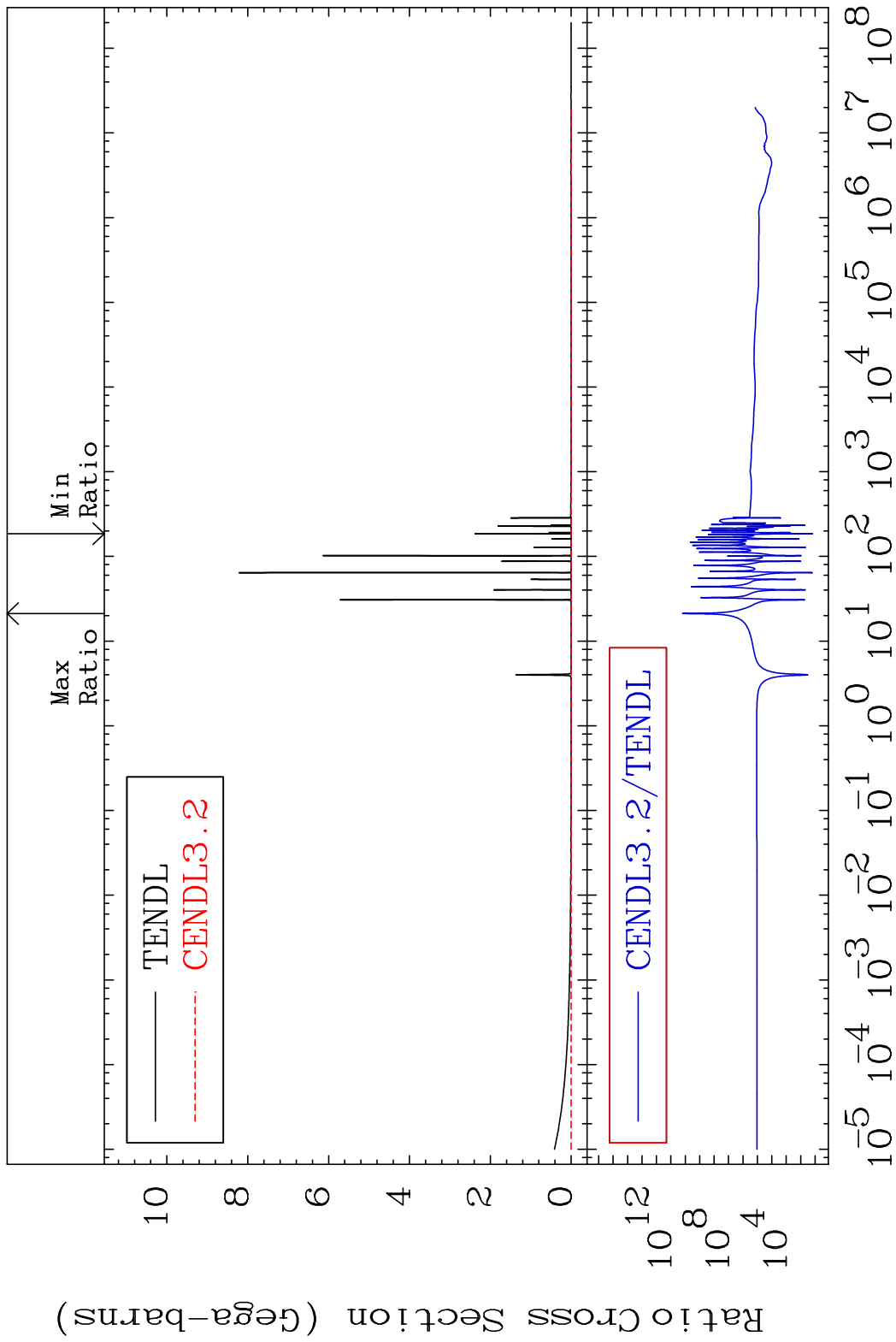


MAT 9452 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-244
 Cross Section -100.0 To 3512. %



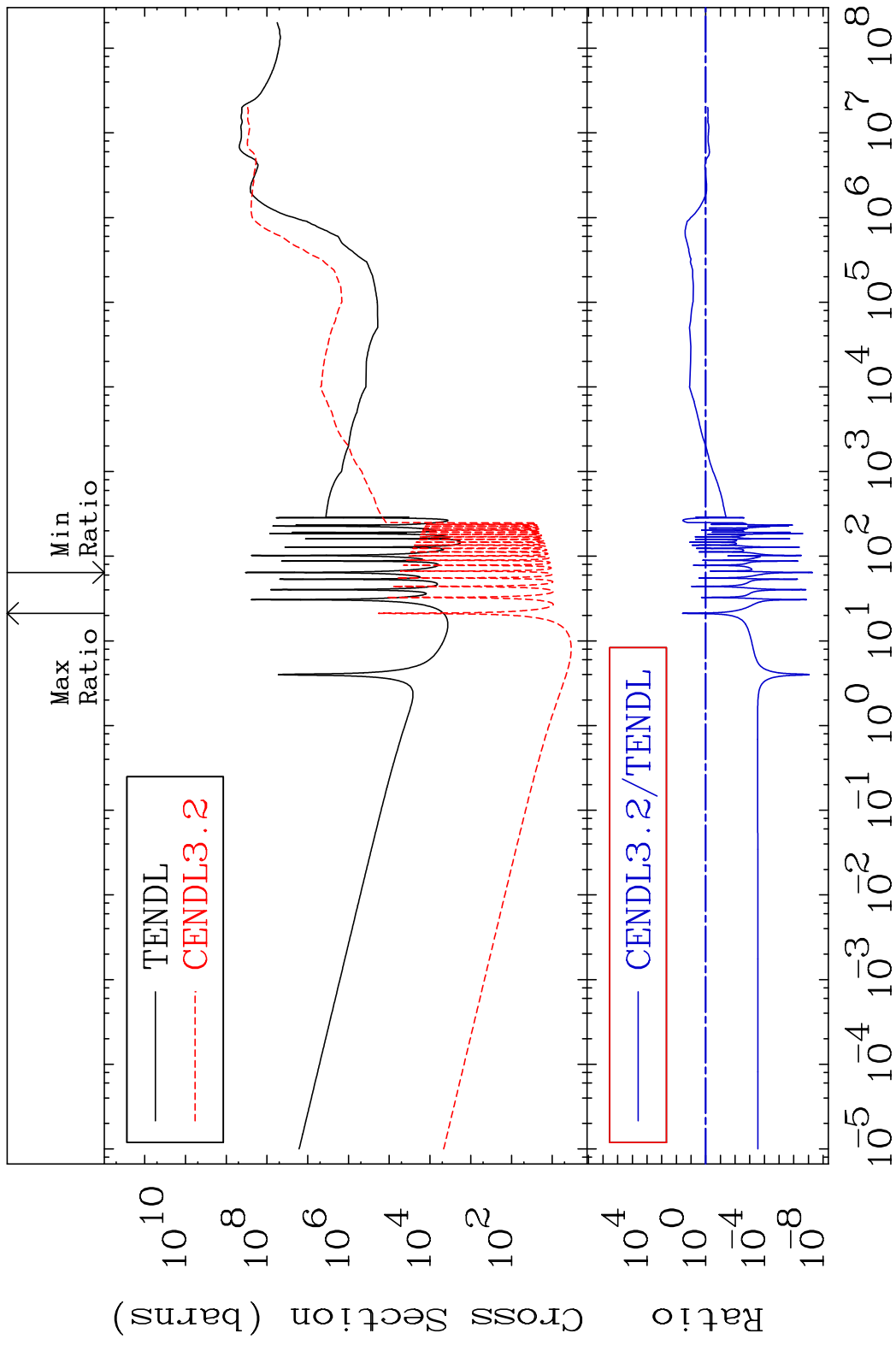


MAT 9452 Total photon (eV-barns) 94-Pu-244
 Cross Section 9999. To 9999. %

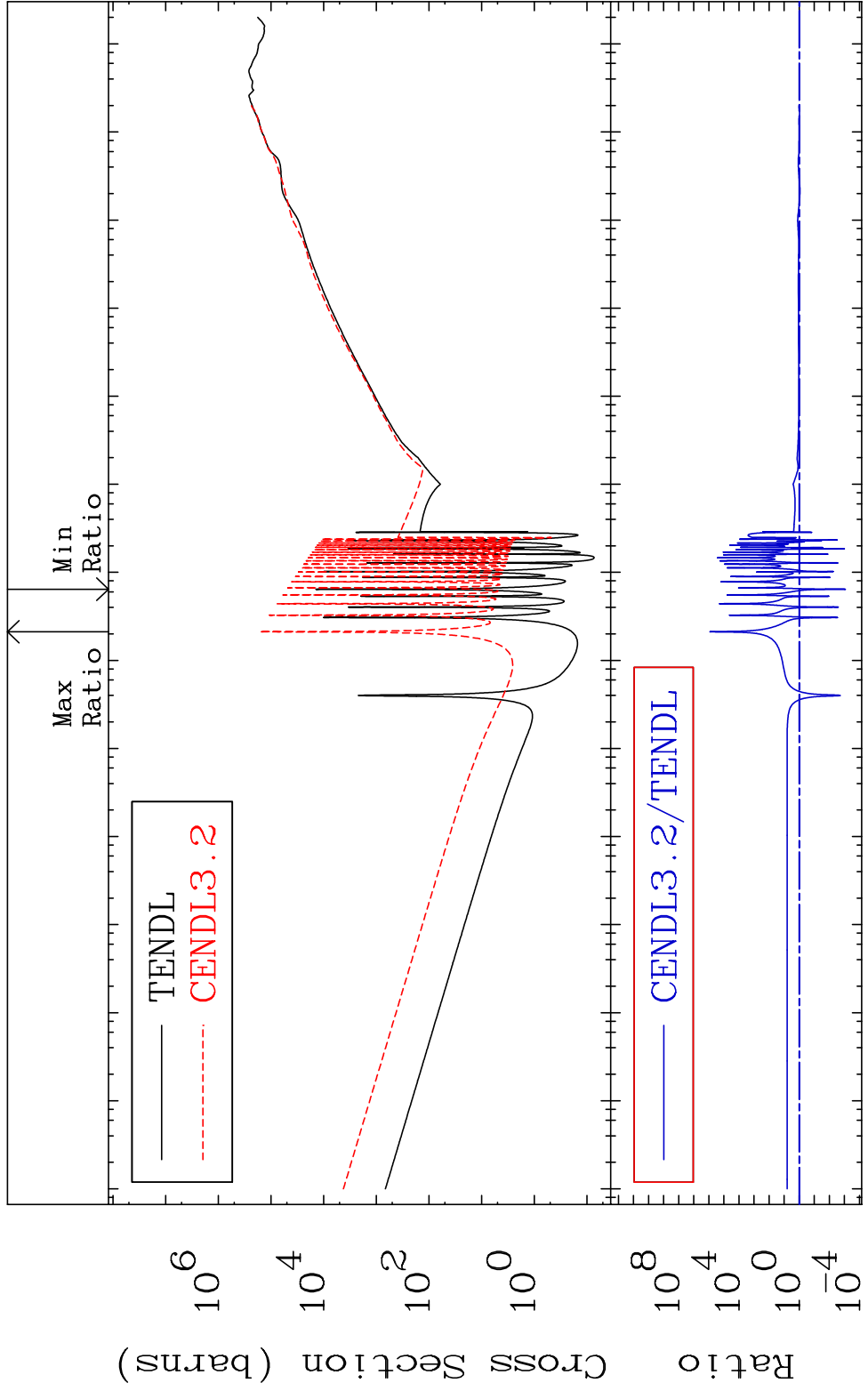


32 94-Pu-244

MAT 9452 Total kinematic kerma (high limit) 94-Pu-244
 Cross Section -100.0 To 3818. %



MAT 9452 Dpa total (eV-barns) 94-Pu-244
 Cross Section -99.91 To 9999. %

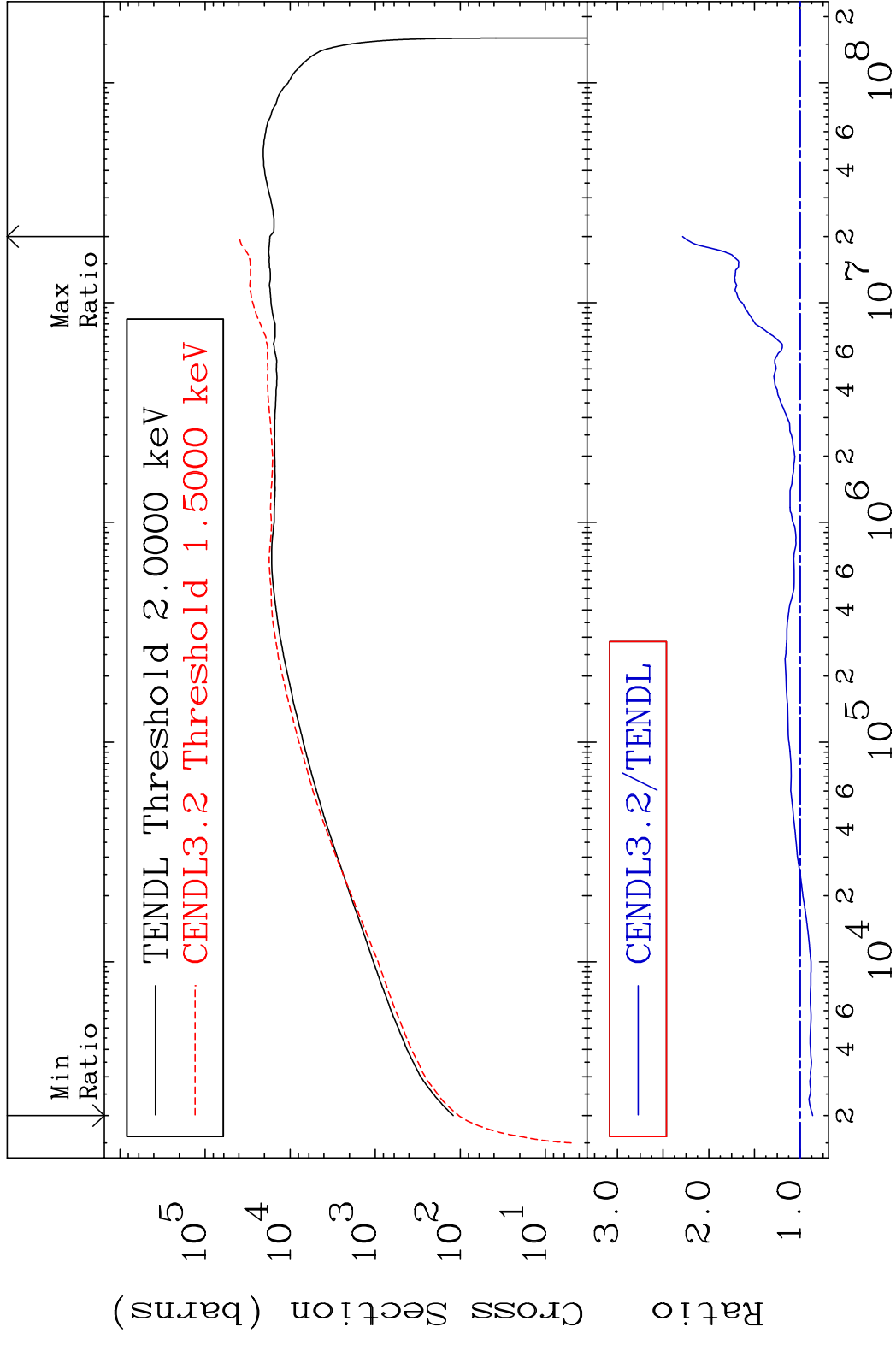


MAT 9452

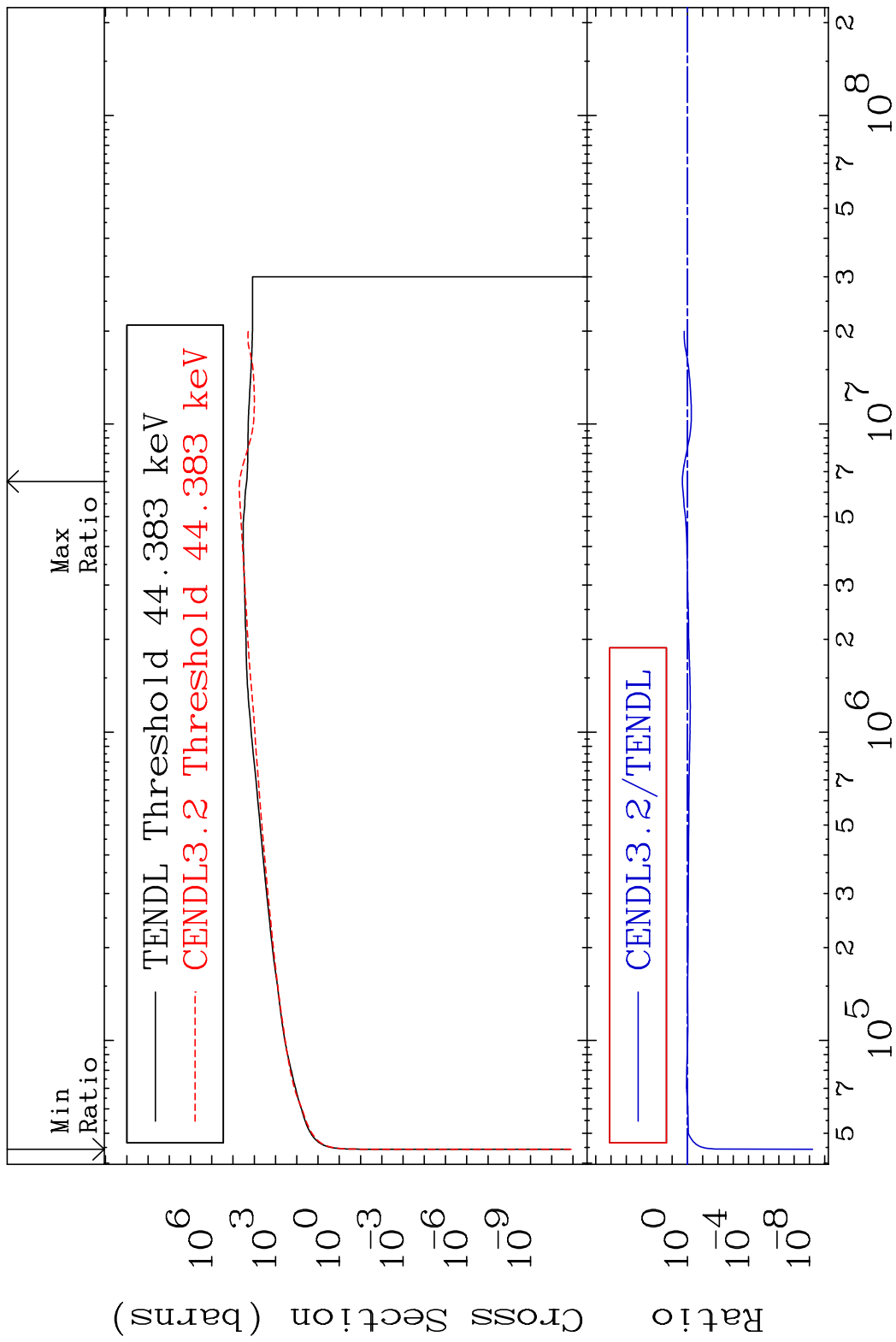
Dpa elastic (mt2)

94-Pu-244

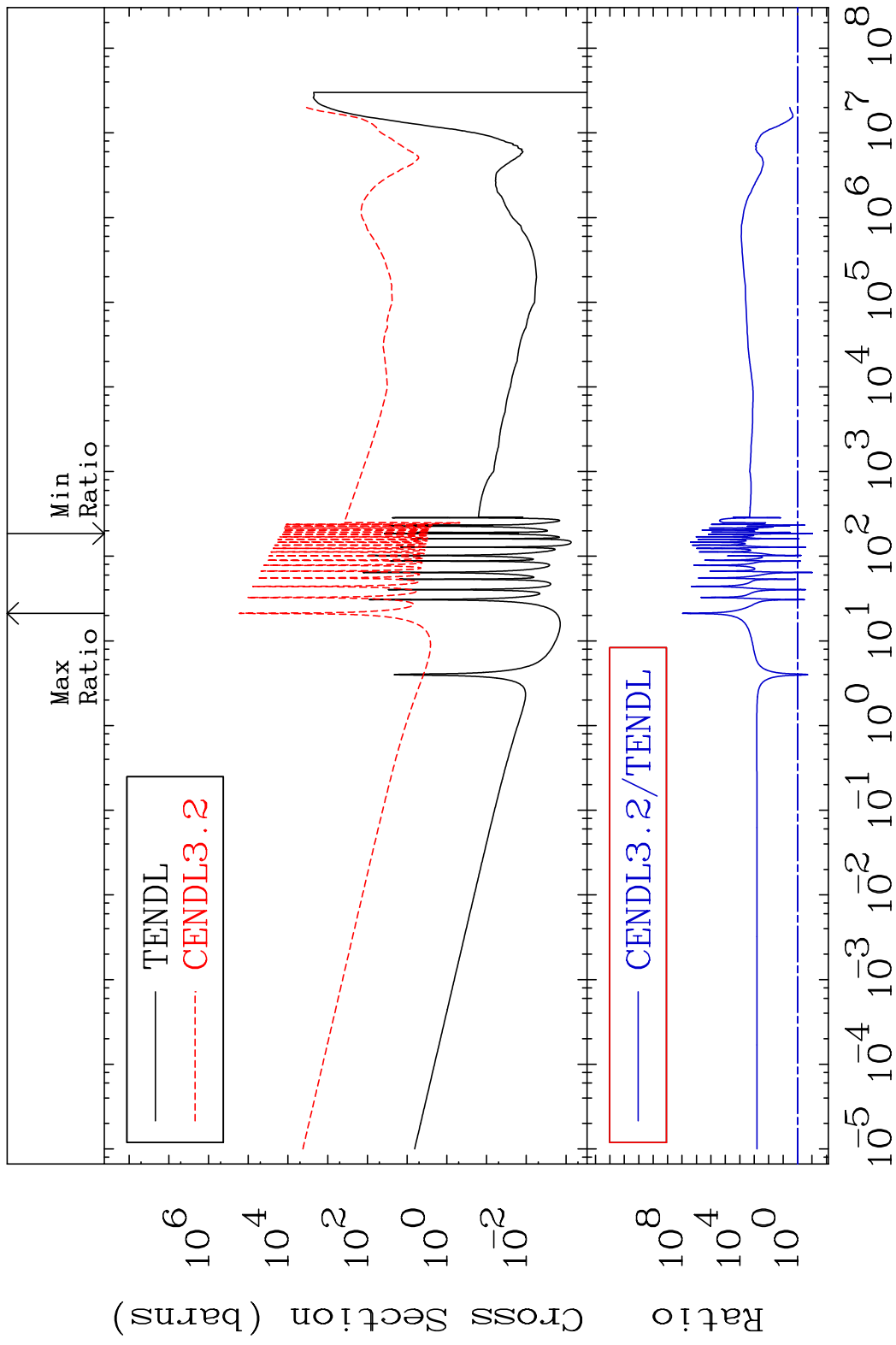
Cross Section -13.56 To 128.9 %



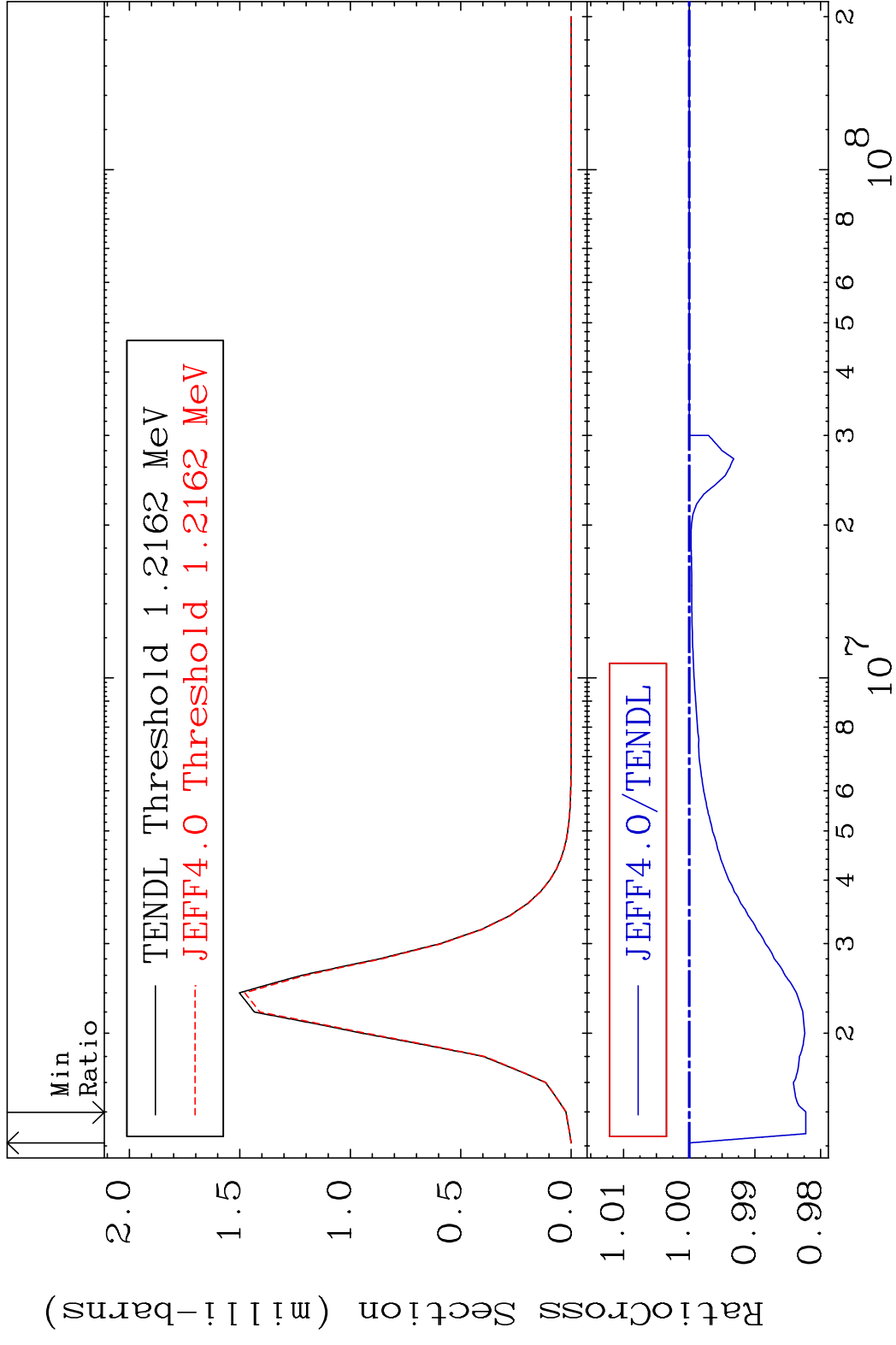
MAT 9452 Dpa inelastic (mt51-91) 94-Pu-244
 Cross Section -100.0 To 113.3 %



MAT 9452 Dpa disappearance (mt102 -120) 94-Pu-244
 Cross Section -90.89 To 9999. %



MAT 9452 MT= 66 (n,n') Level 94-Pu-244
 Cross Section -1.774 To 0.000 %

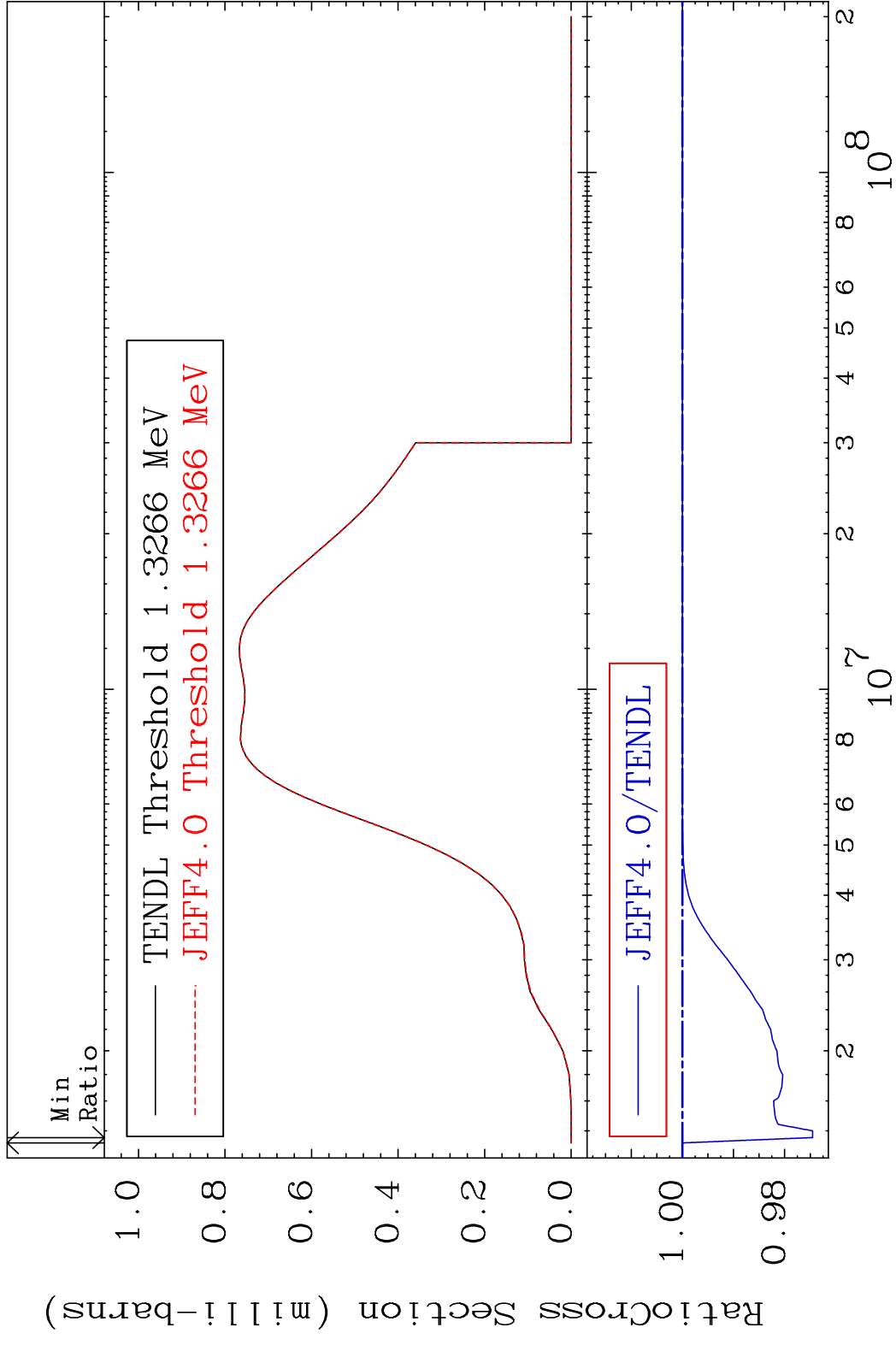


MAT 9452

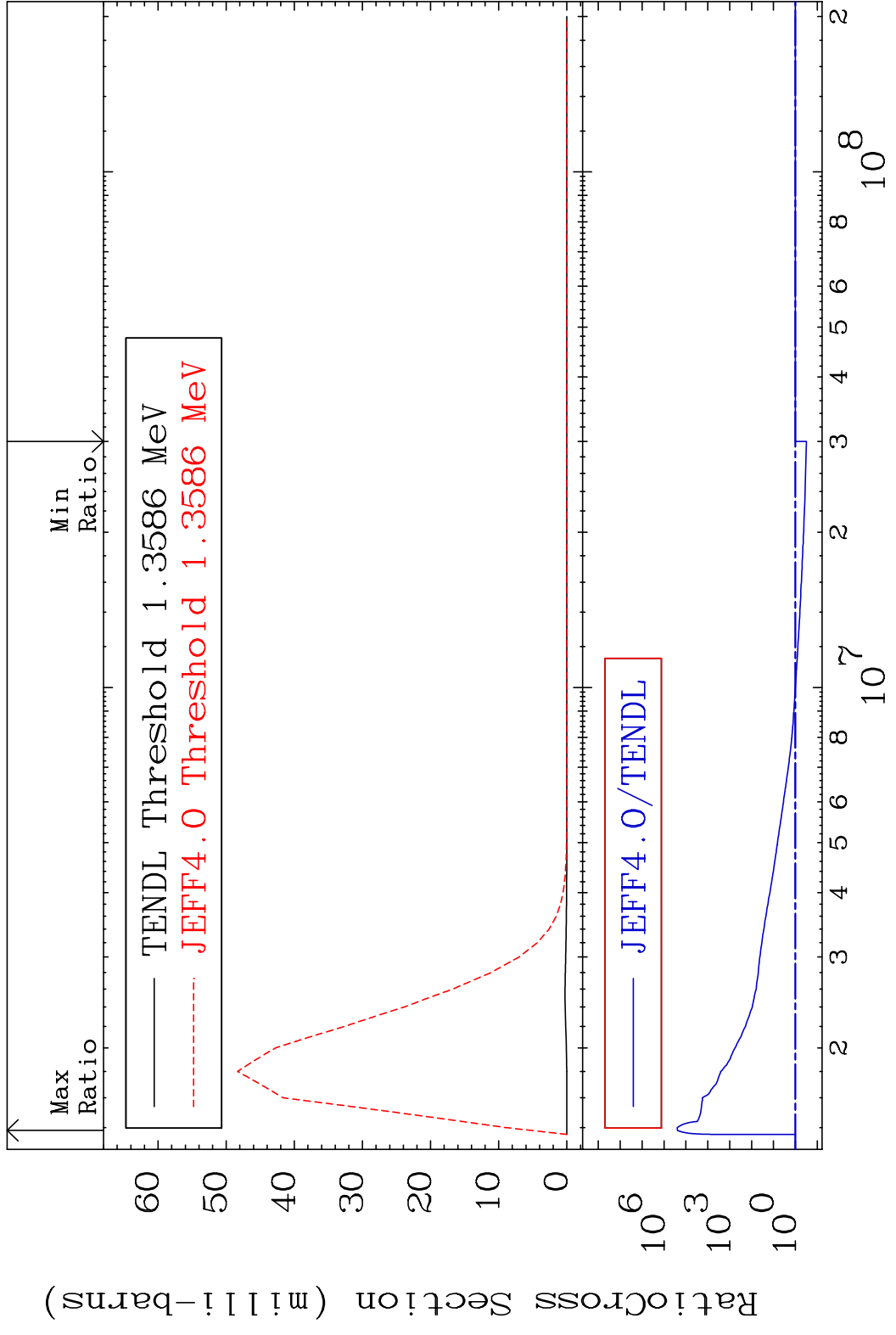
MT= 67 (n, n') Level

94-Pu-244

Cross Section -2.546 To 0.000 %

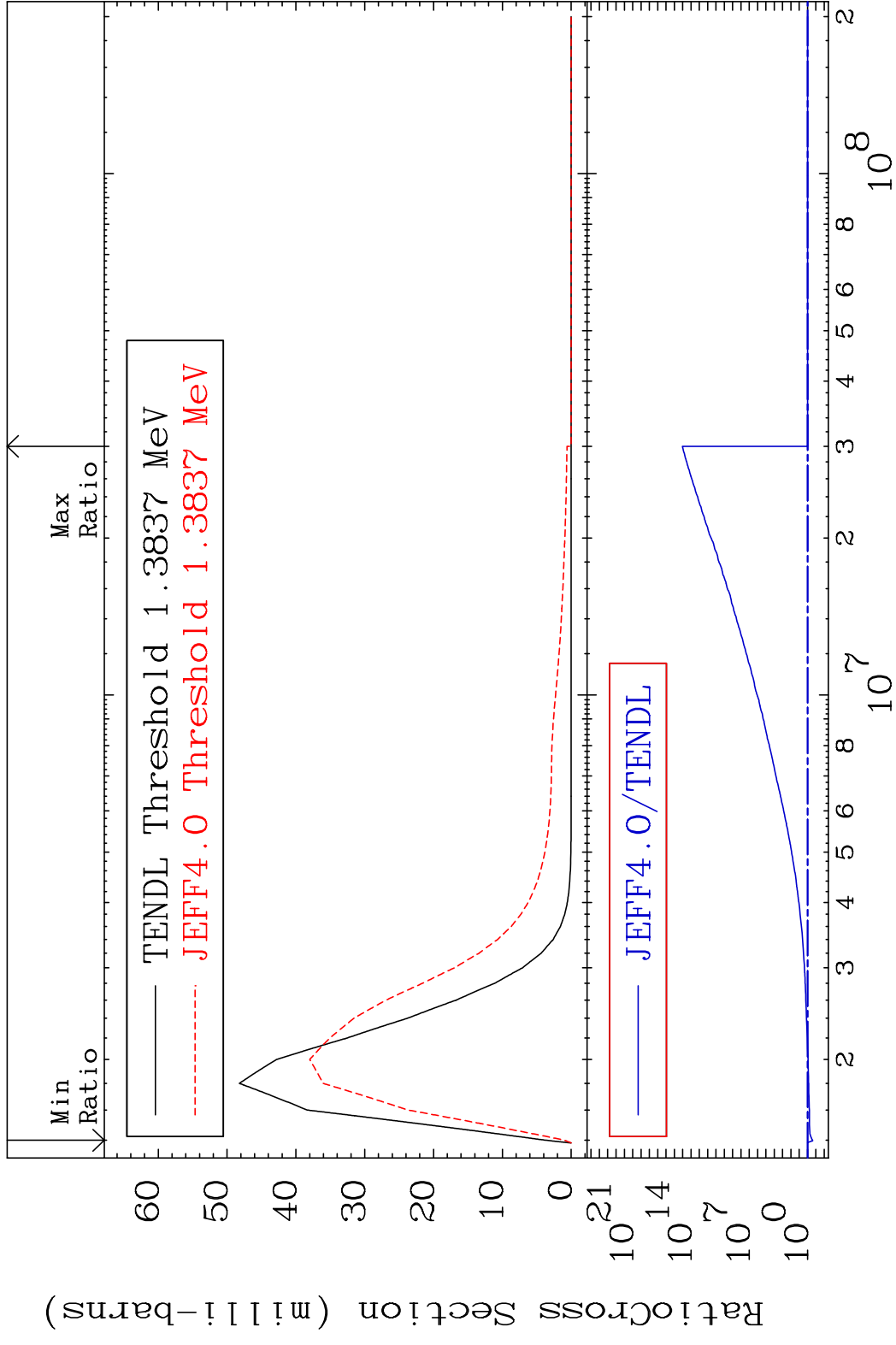


MAT 9452 MT= 68 (n, n') Level 94-Pu-244
 Cross Section -68.62 To 9999. %

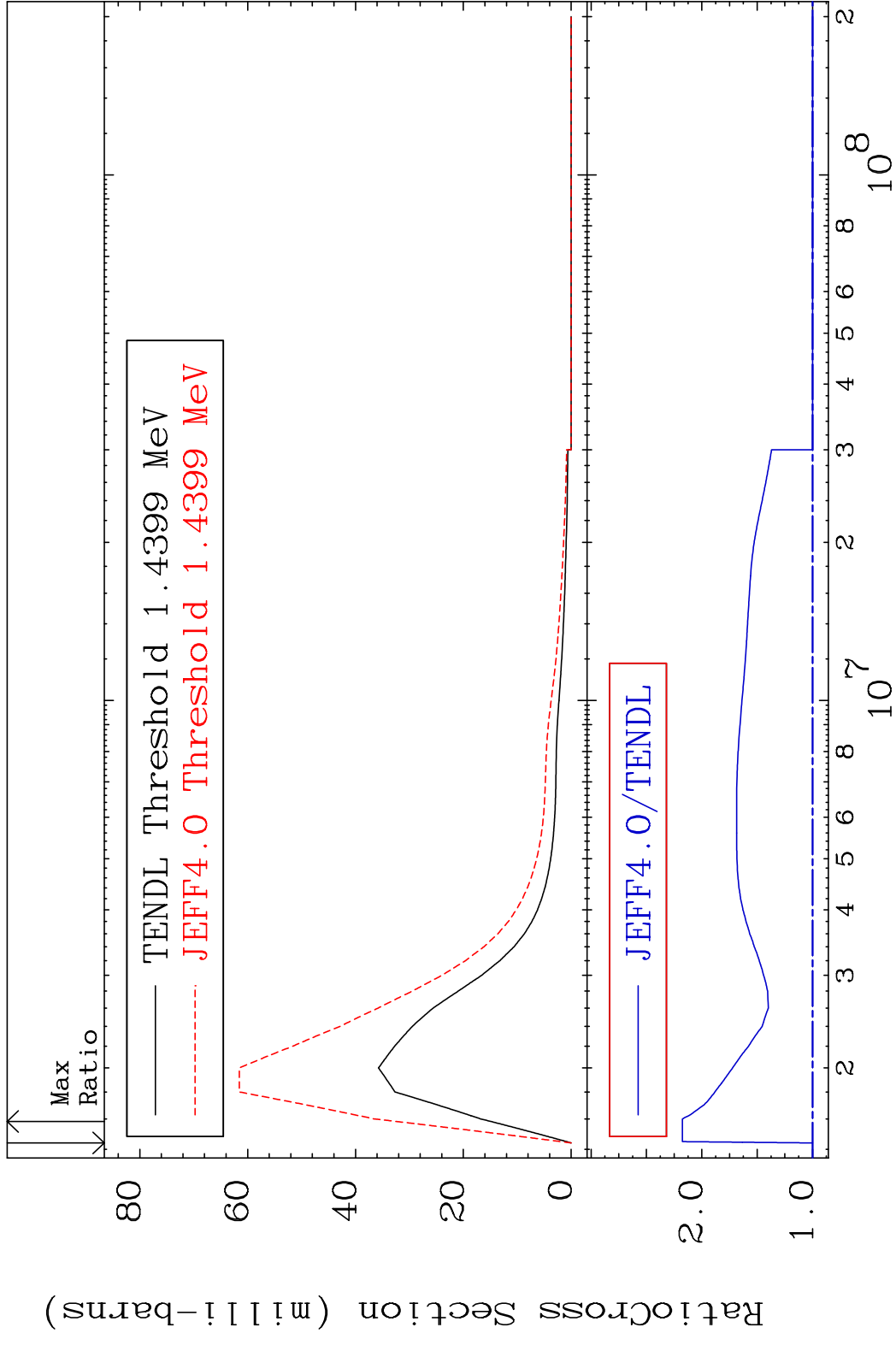


40 Incident Energy (eV) 94-Pu-244

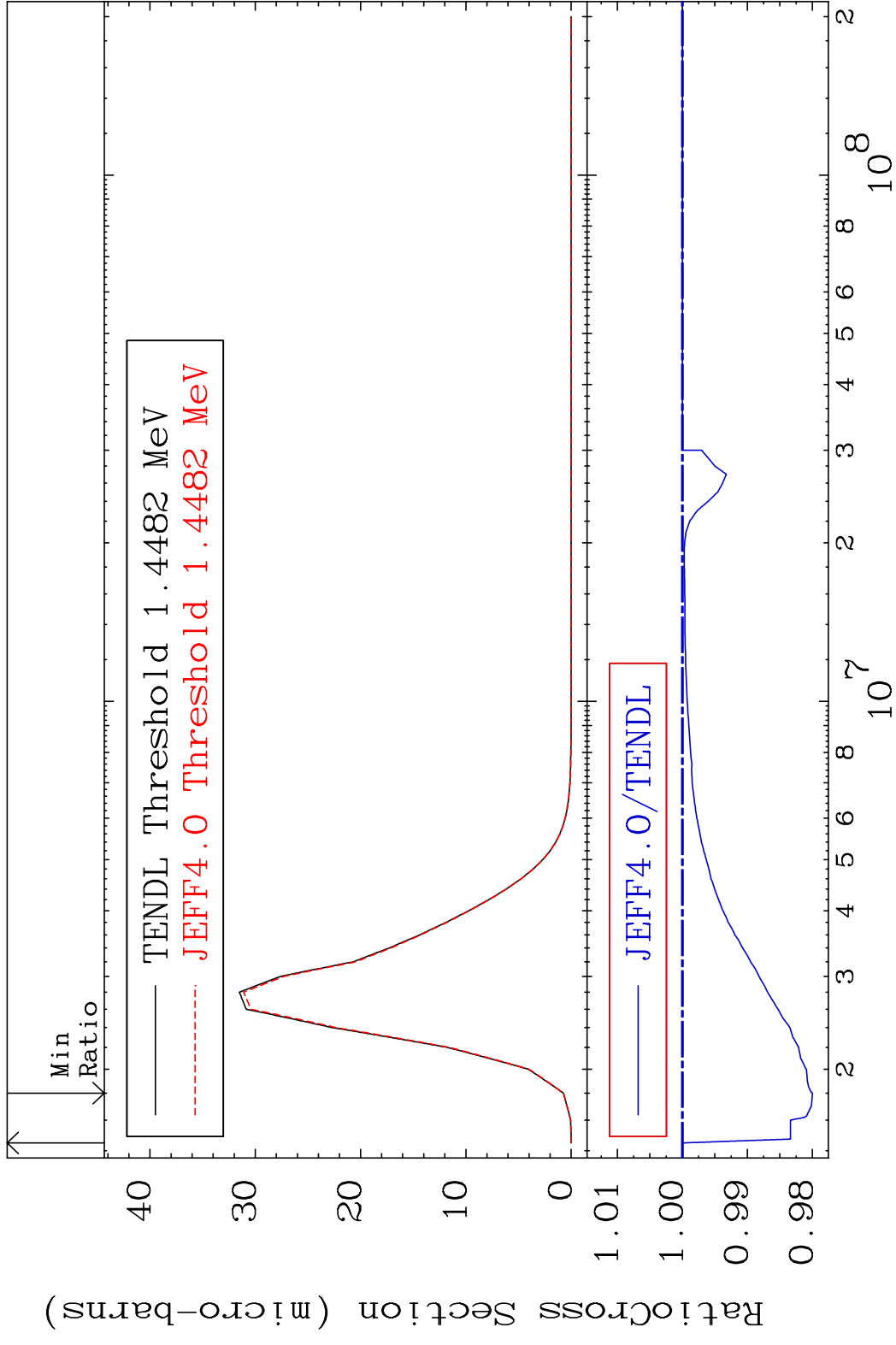
MAT 9452 MT= 69 (n, n') Level 94-Pu-244
 Cross Section -74.71 To 9999. %



MAT 9452 MT= 71 (n, n') Level 94-Pu-244
 Cross Section 0.000 To 117.6 %



MAT 9452 MT= 72 (n, n') Level 94-Pu-244
 Cross Section -2.003 To 0.000 %

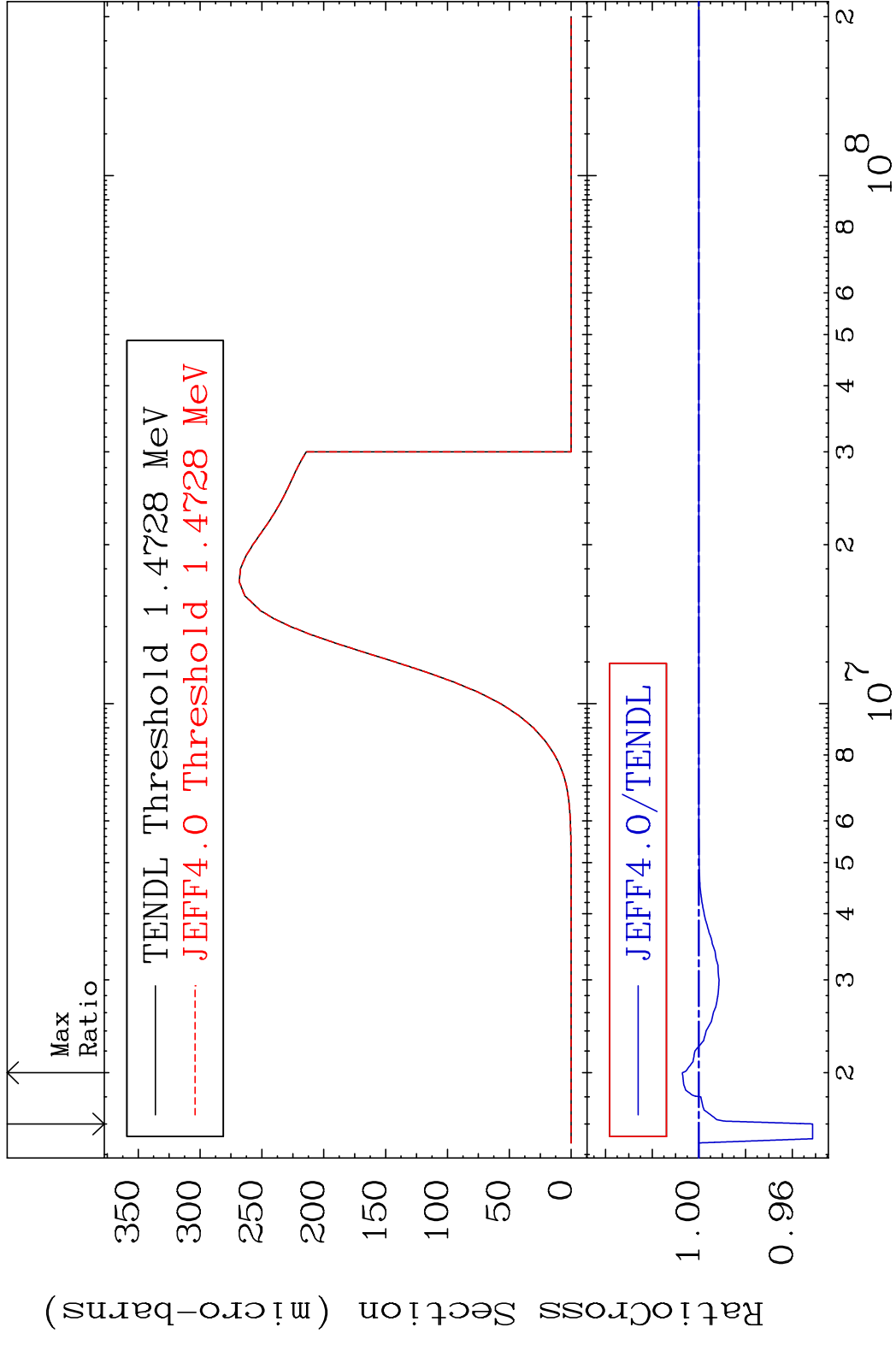


MAT 9452

MT= 73 (n, n') Level

94-Pu-244

Cross Section -4.871 To 0.708 %

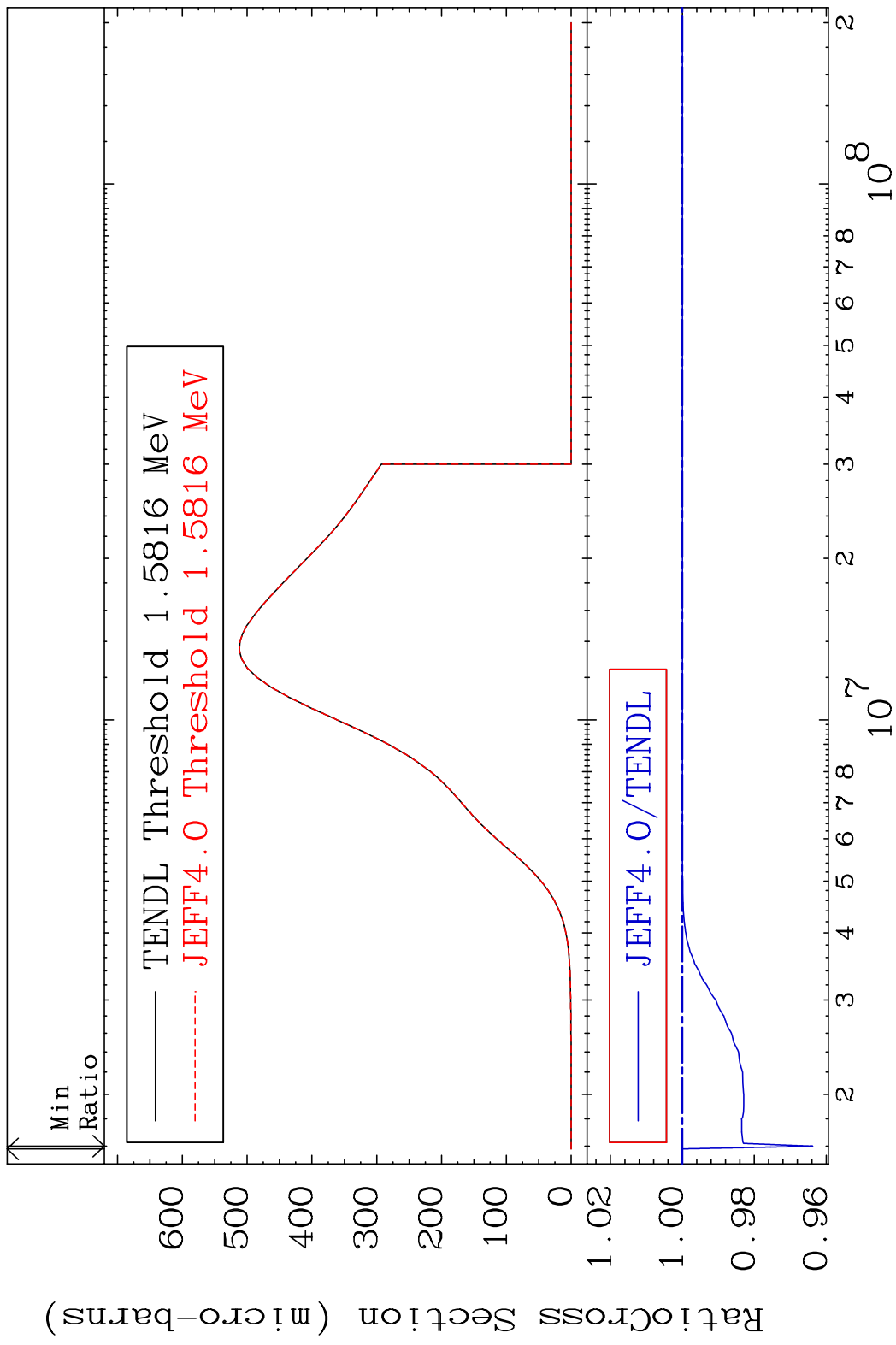


45

Incident Energy (eV)

94-Pu-244

MAT 9452 MT= 74 (n, n') Level 94-Pu-244
 Cross Section -3.621 To 0.000 %

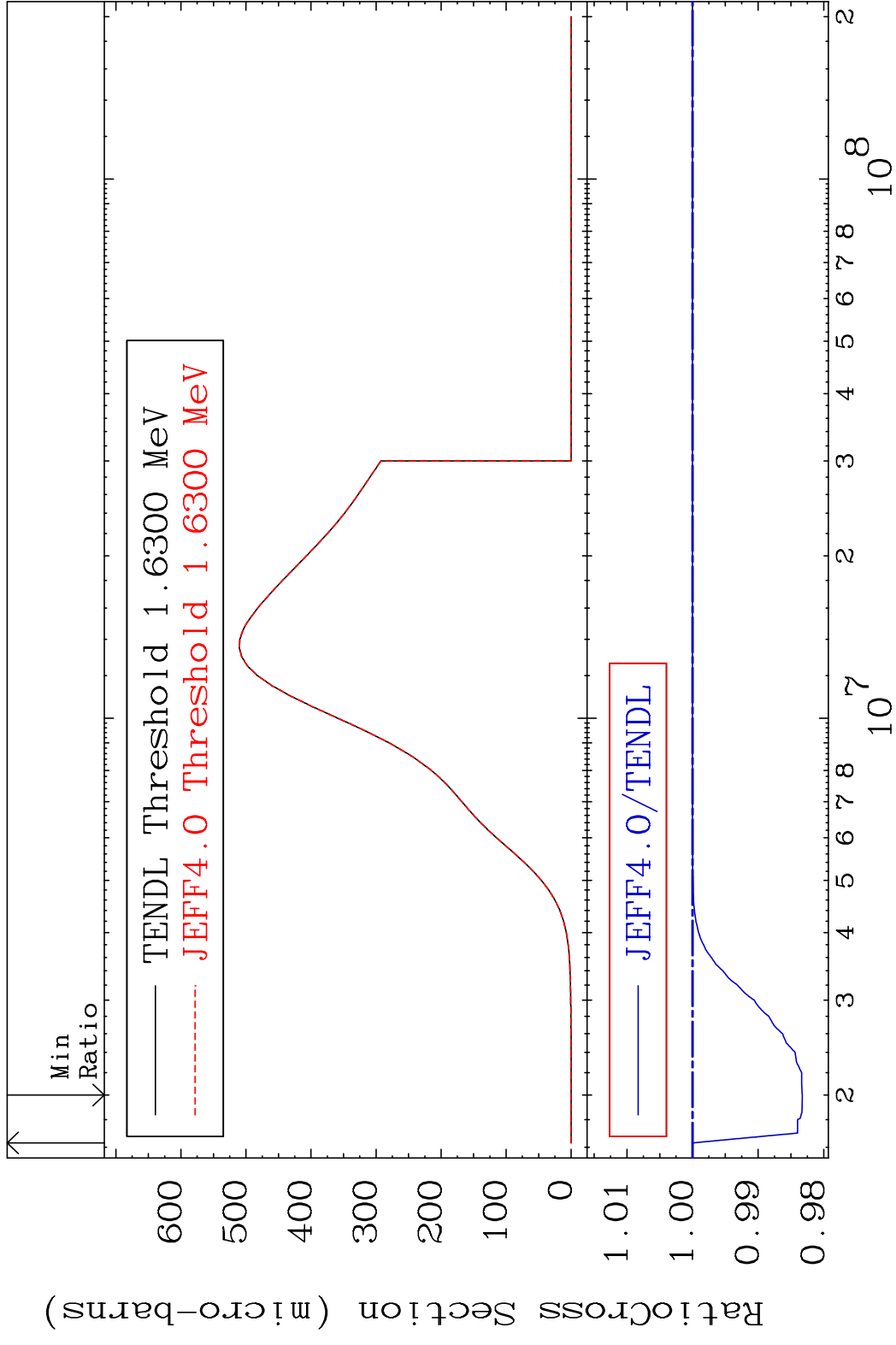


MAT 9452

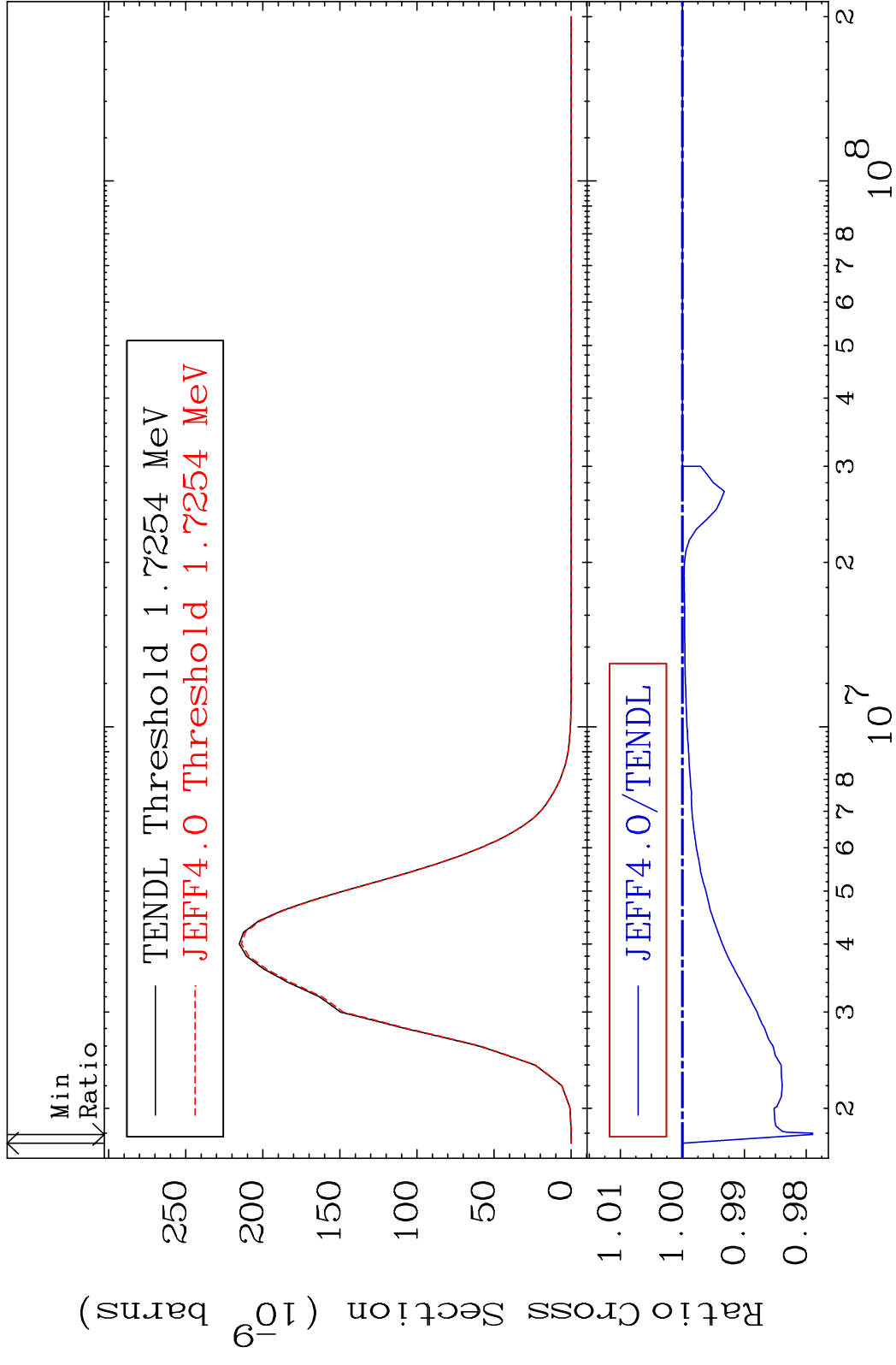
MT= 76 (n, n') Level

94-Pu-244

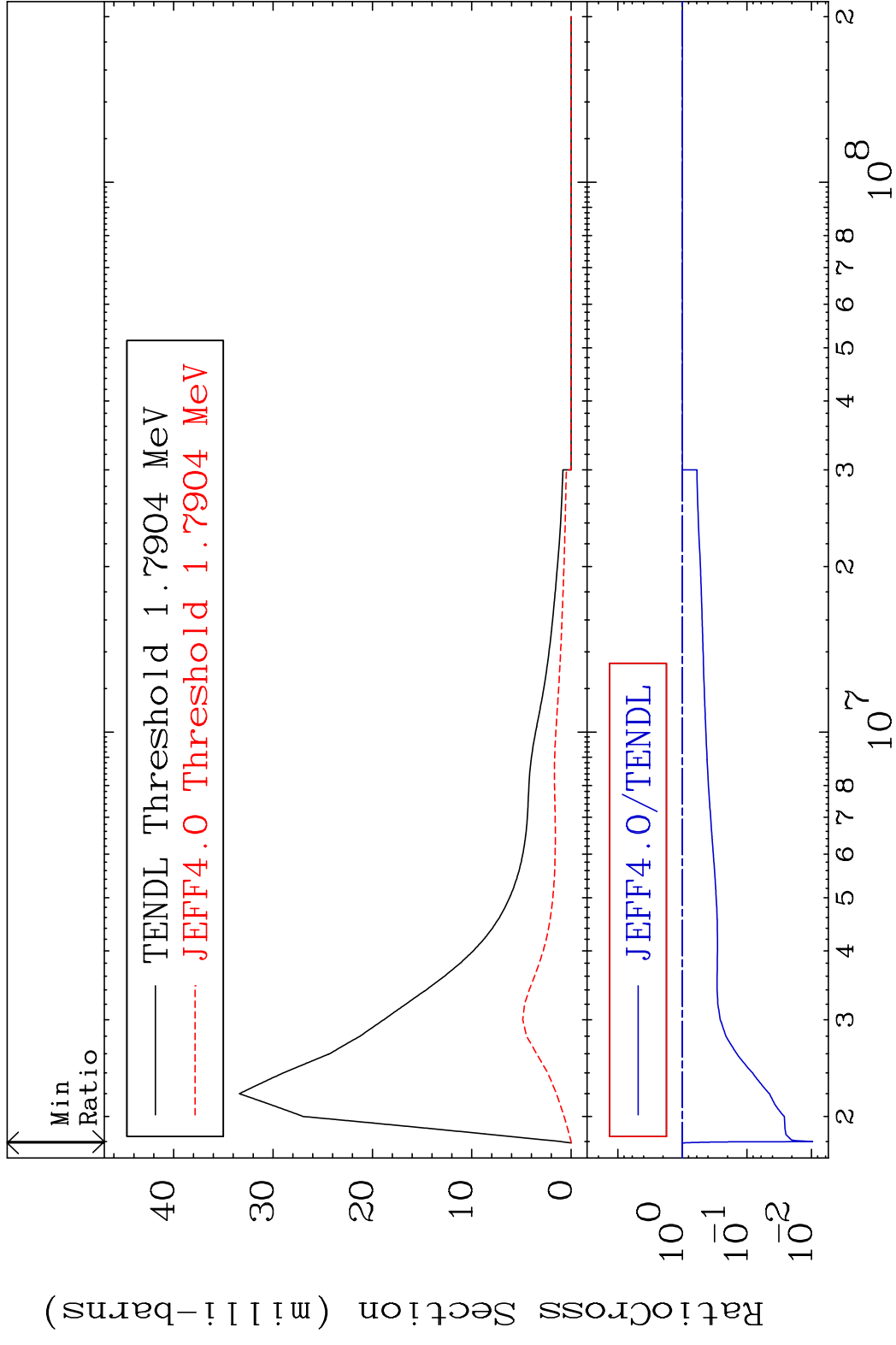
Cross Section -1.673 To 0.000 %



MAT 9452 MT= 77 (n, n') Level 94-Pu-244
 Cross Section -2.101 To 0.000 %



MAT 9452 MT= 78 (n, n') Level 94-Pu-244
 Cross Section -99.04 To 0.000 %

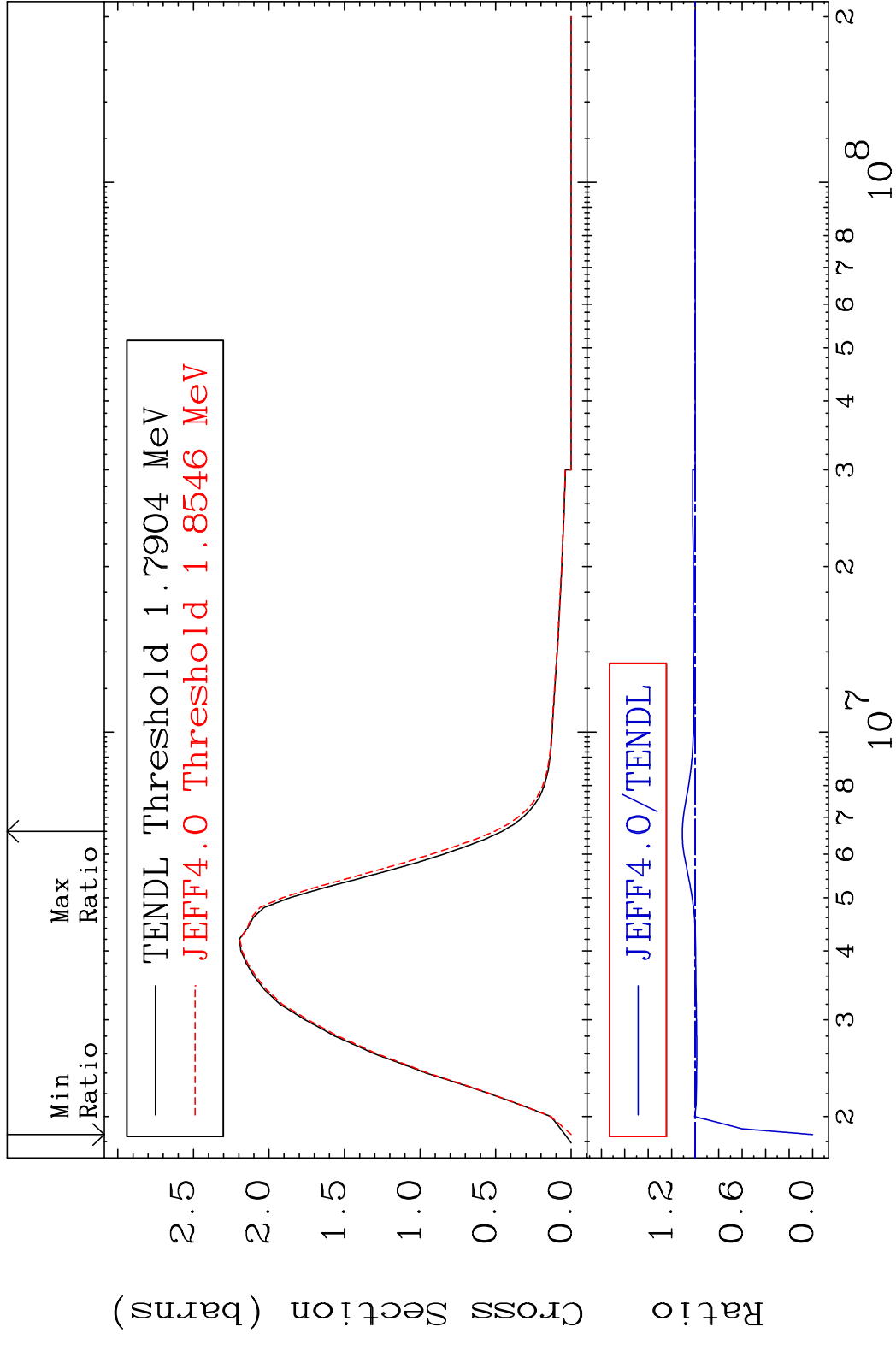


MAT 9452

(n, n') Continuum

94-Pu-244

Cross Section -100.0 To 10.95 %

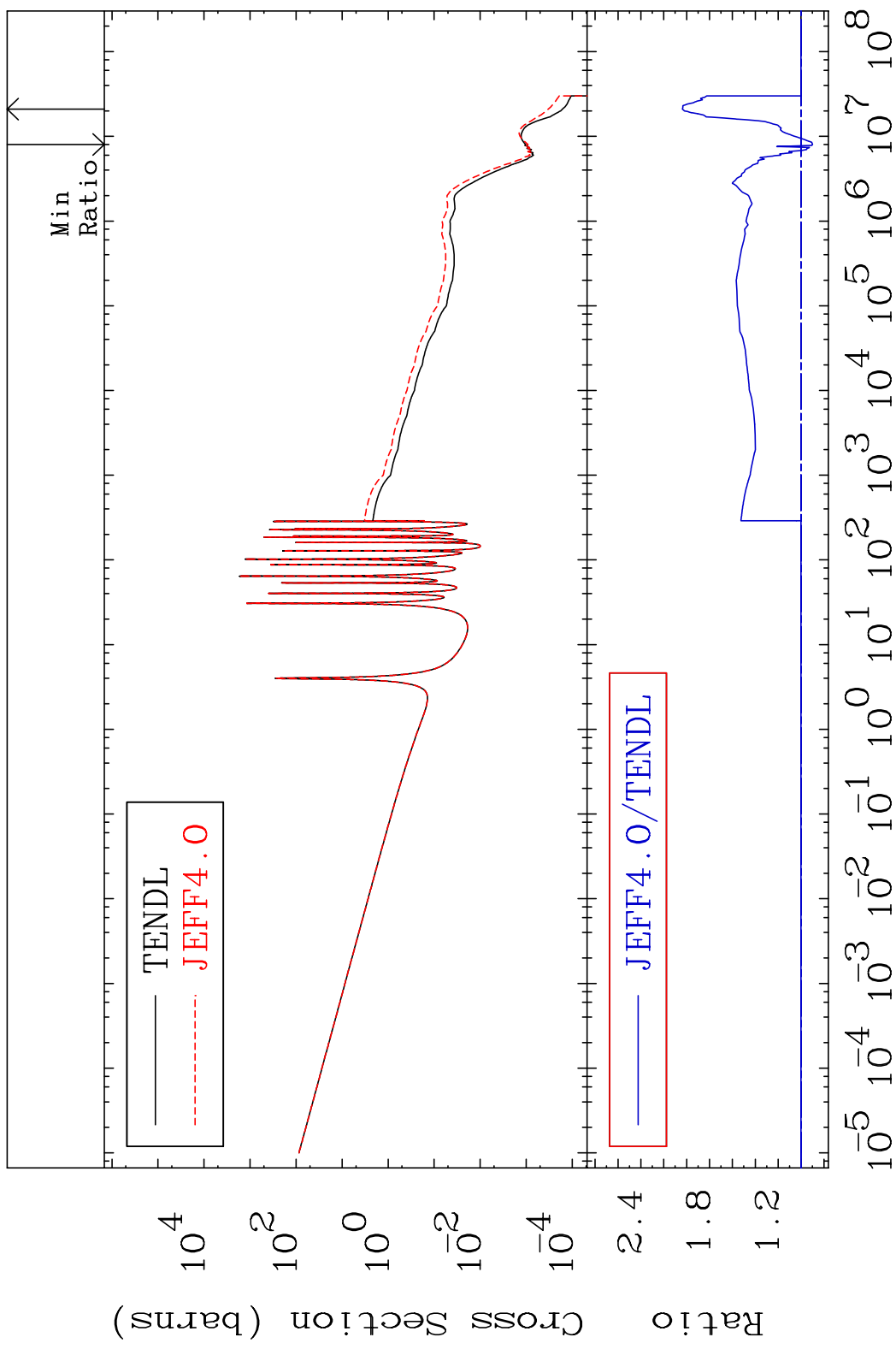


MAT 9452

(n, γ)

94-Pu-244

Cross Section -10.09 To 103.7 %

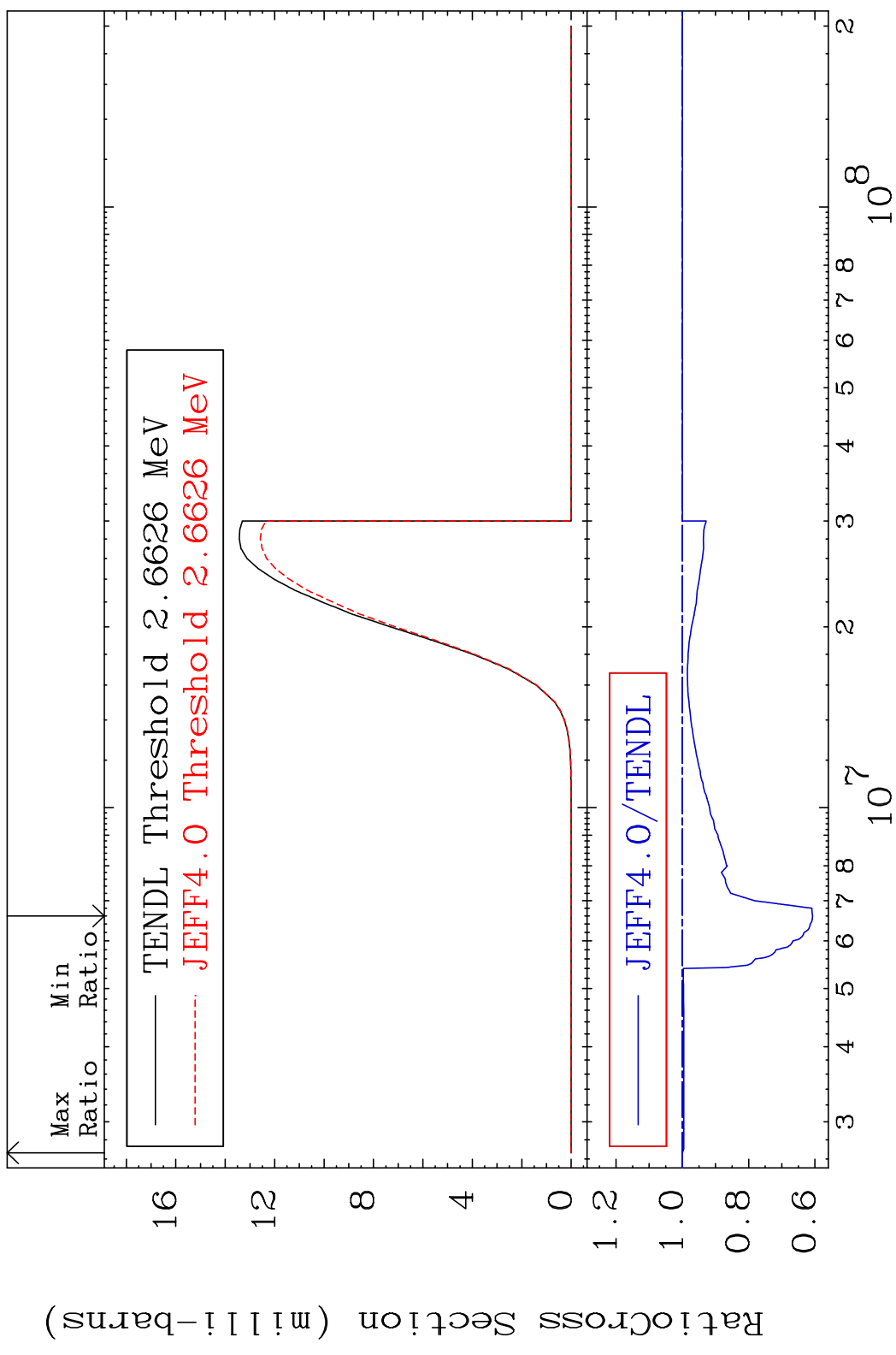


MAT 9452

(n,p)

94-Pu-244

Cross Section -39.27 To 0.000 %

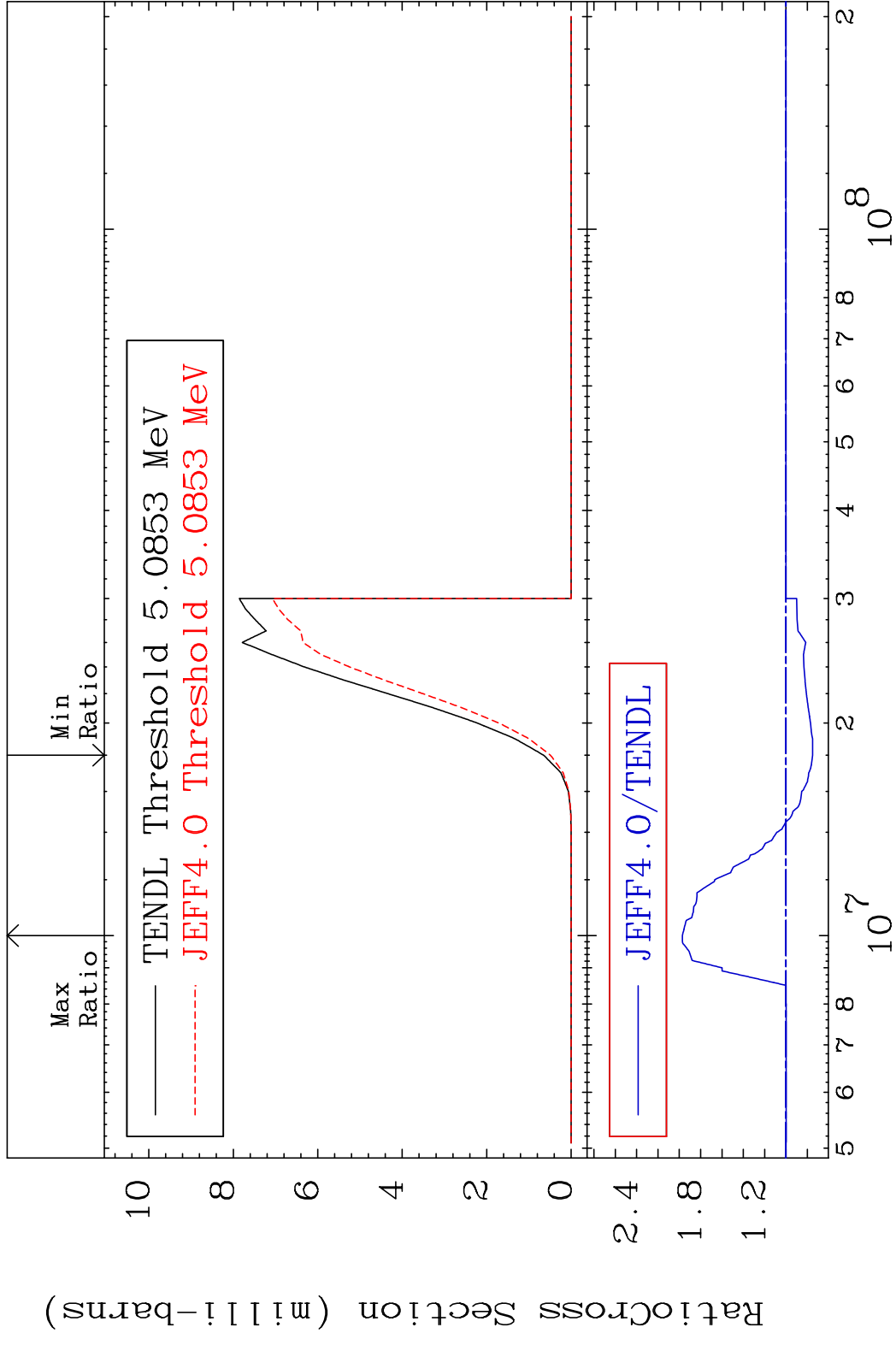


MAT 9452

(n, d)

94-Pu-244

Cross Section -24.88 To 97.13 %

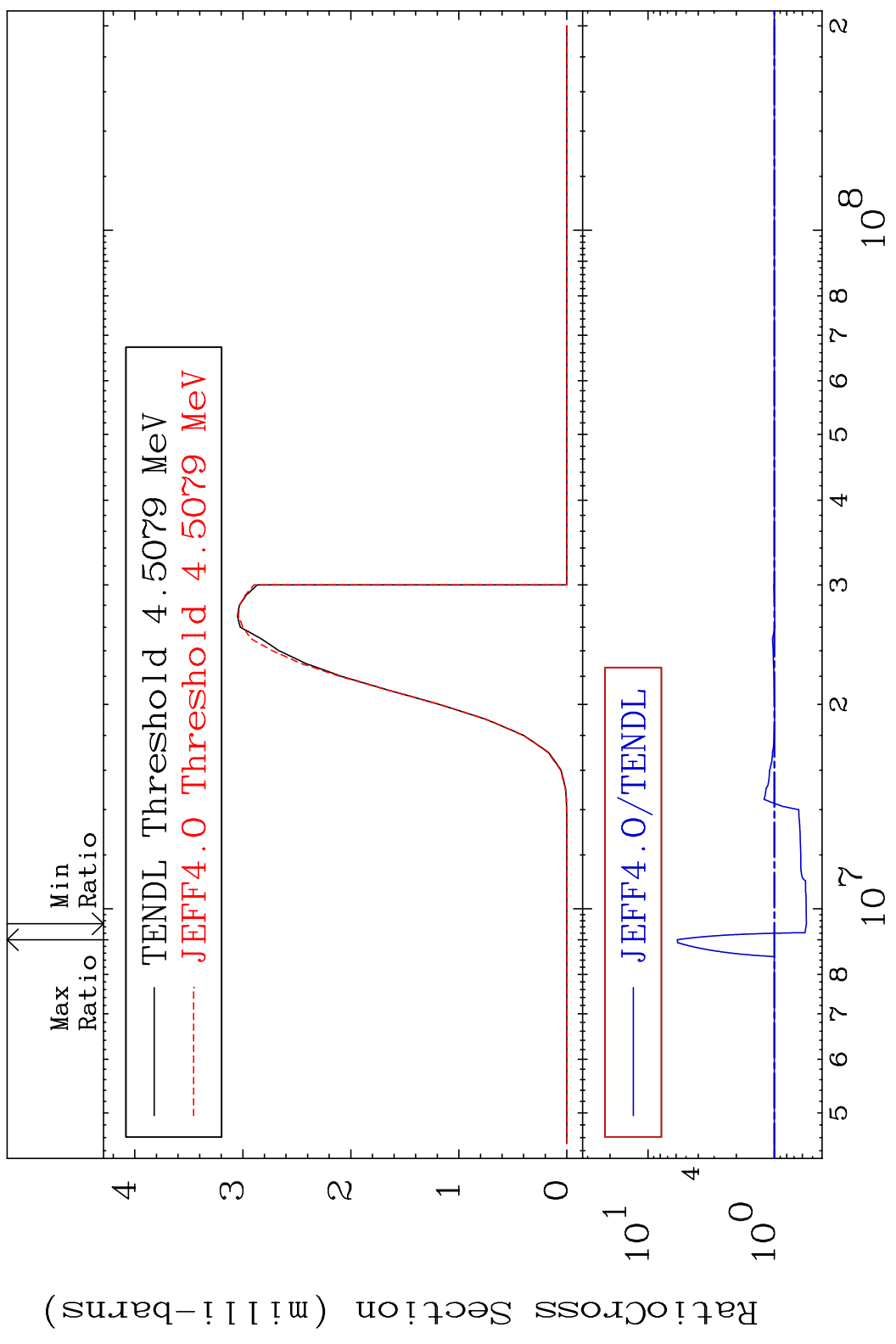


MAT 9452

(n, t)

94-Pu-244

Cross Section -44.15 To 487.5 %

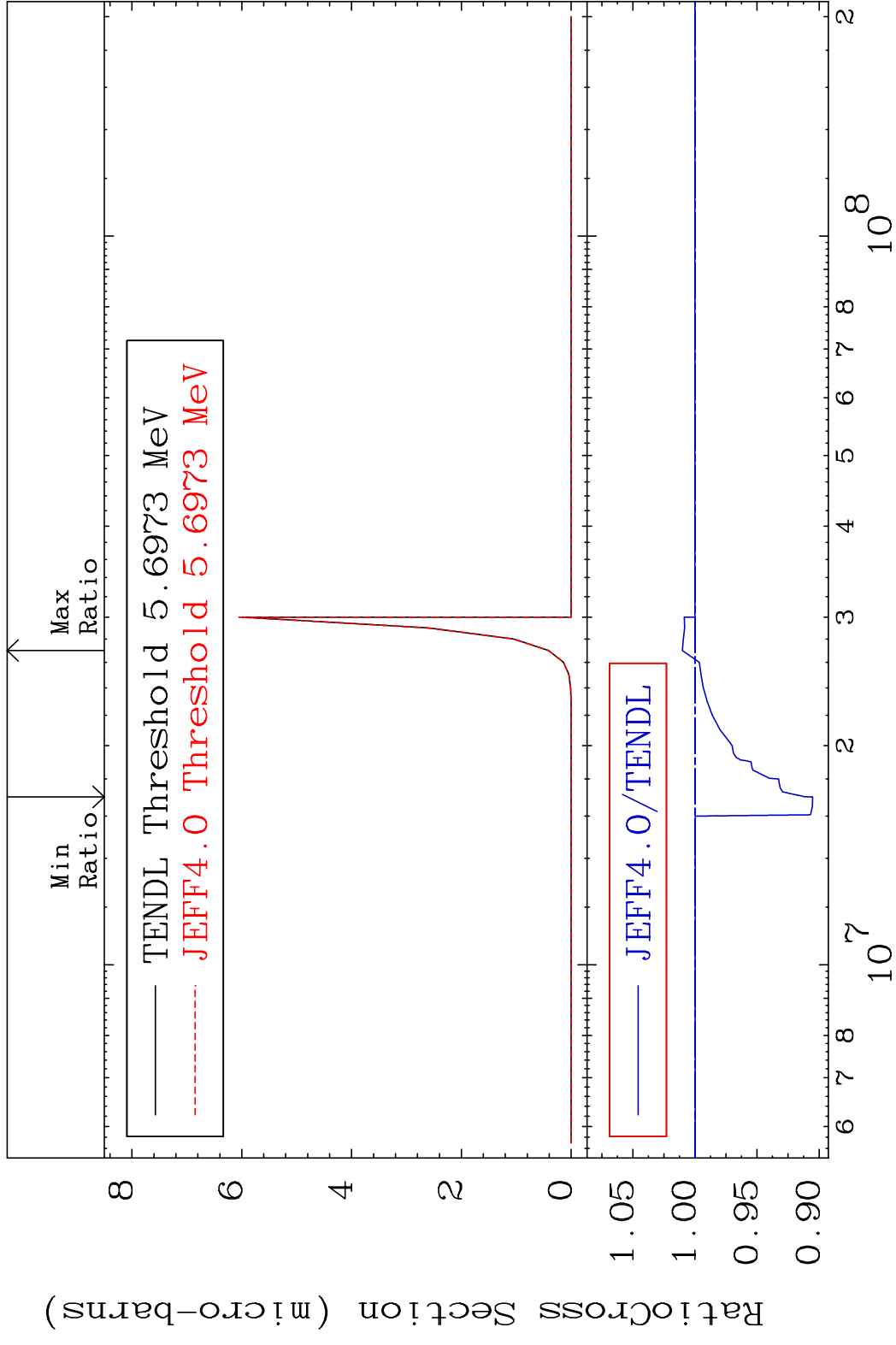


MAT 9452

(n, He-3)

94-Pu-244

Cross Section -9.472 To 1.021 %

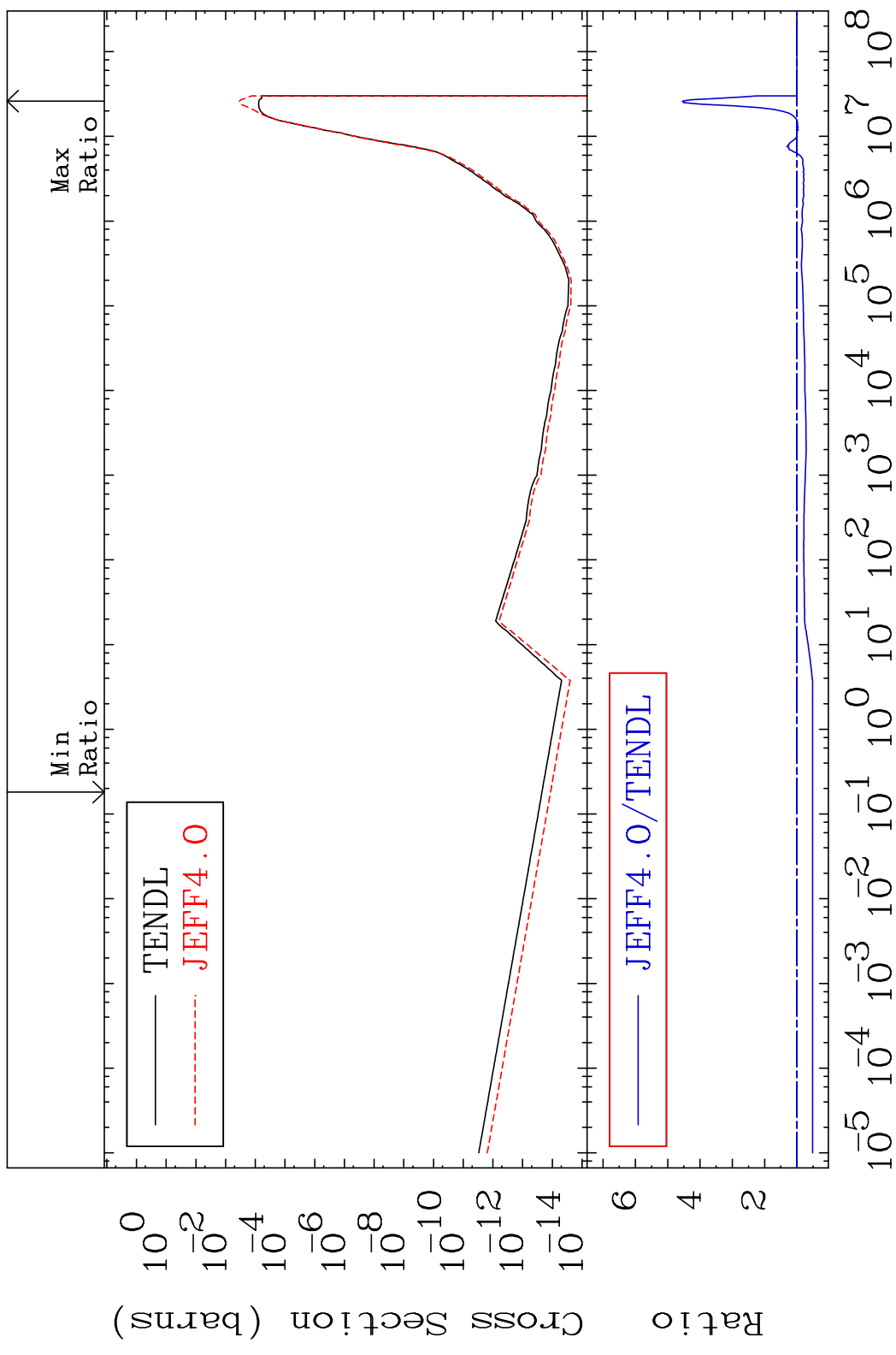


MAT 9452

(n, α)

94-Pu-244

Cross Section -48.43 To 354.6 %

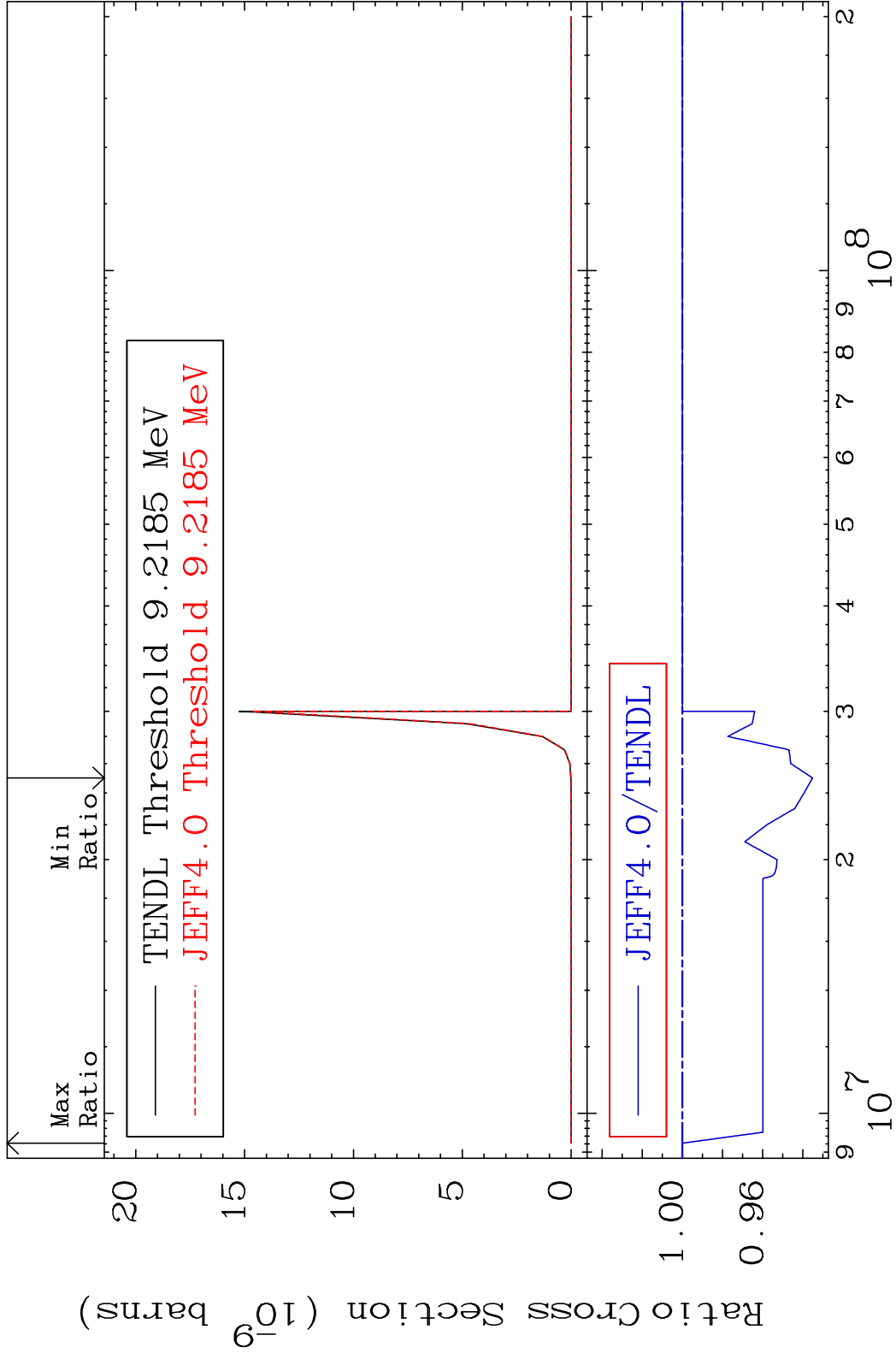


MAT 9452

(n,2p)

94-Pu-244

Cross Section -6.482 To 0.000 %



58

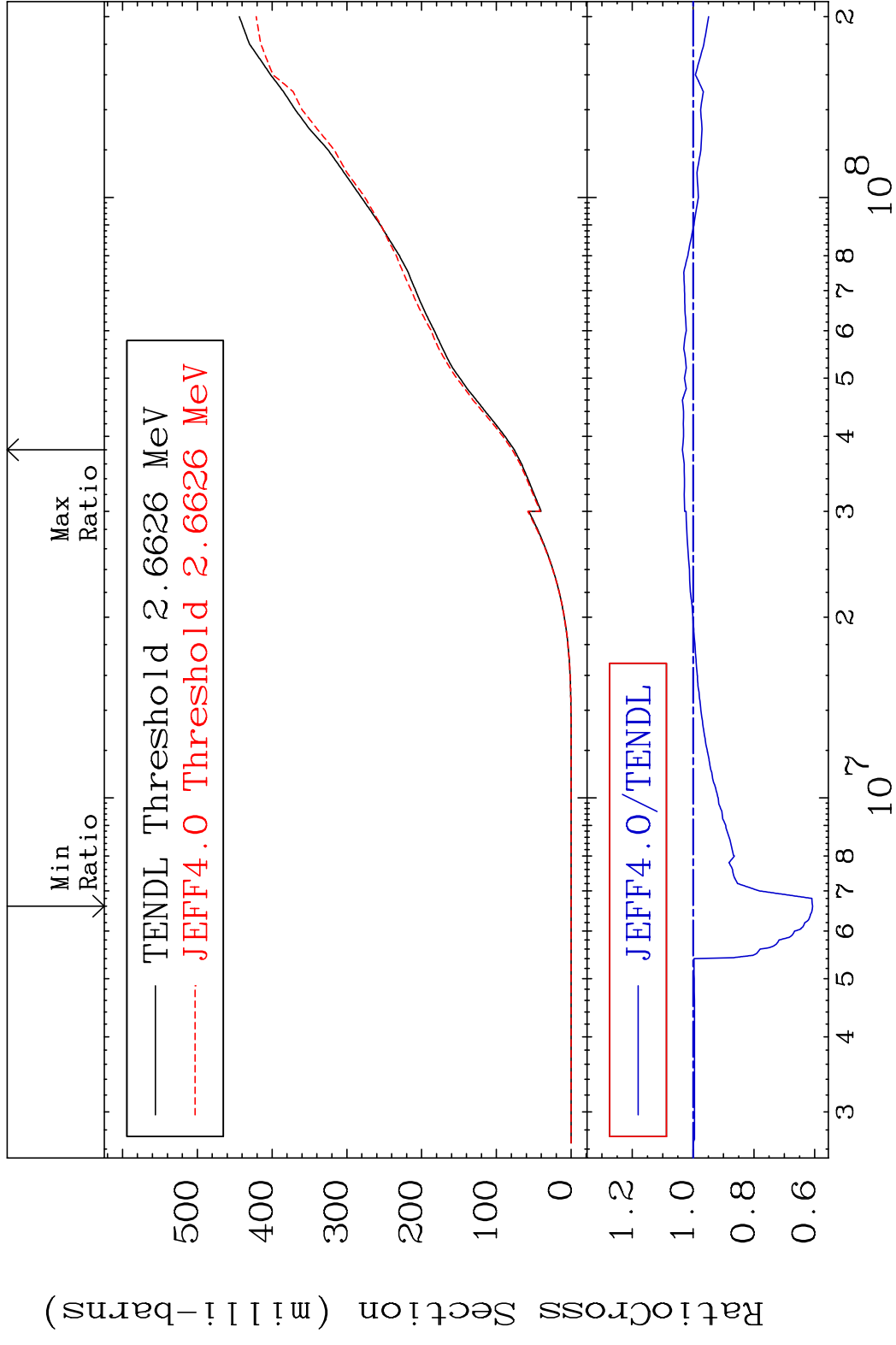
Incident Energy (eV)

94-Pu-244

MAT 9452

Hydrogen Production
Cross Section -39.27 To 3.541 %

94-Pu-244



59

Incident Energy (eV)

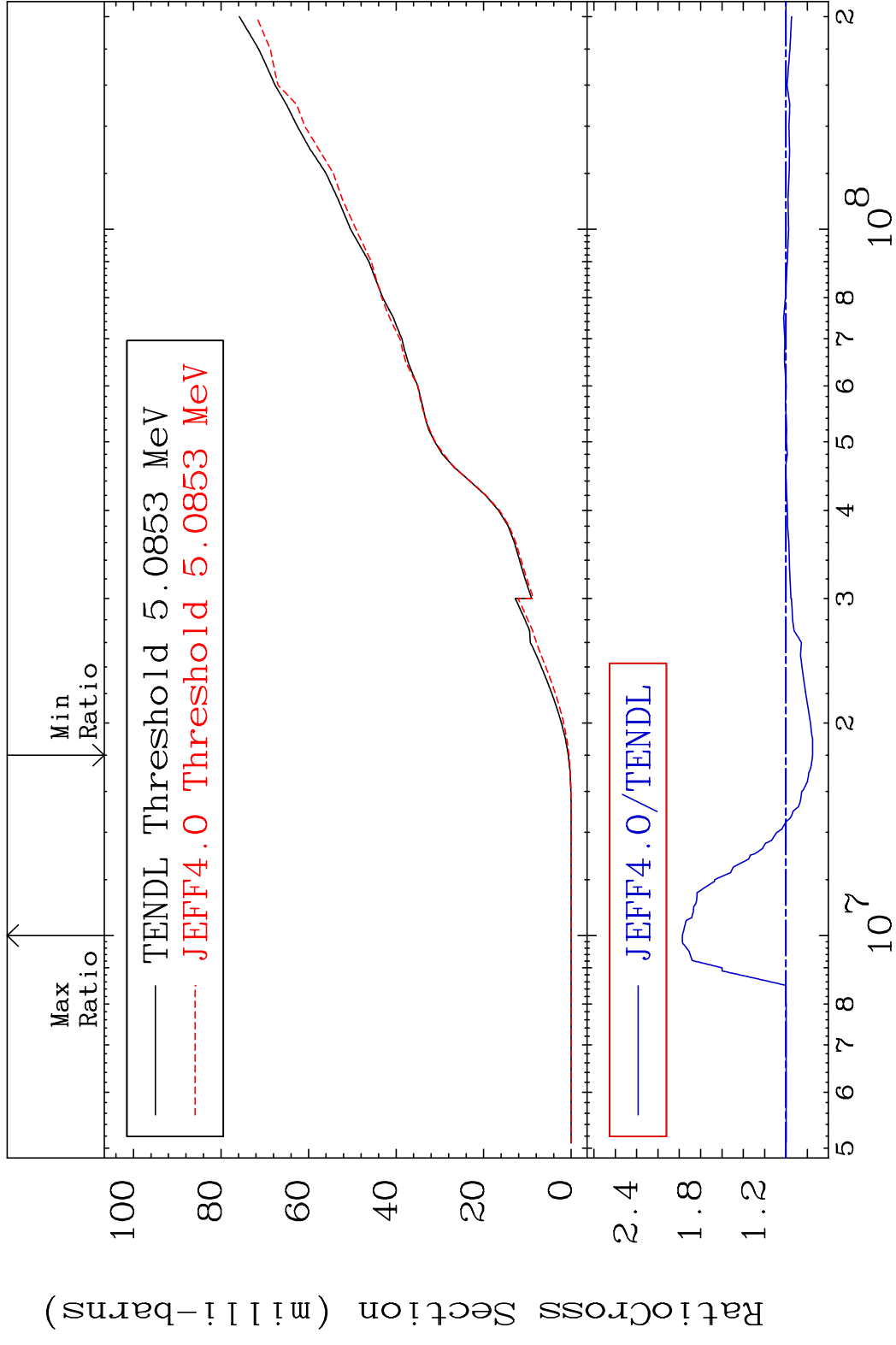
94-Pu-244

MAT 9452

Deuterium Production

94-Pu-244

Cross Section -24.88 To 97.13 %



60

Incident Energy (eV)

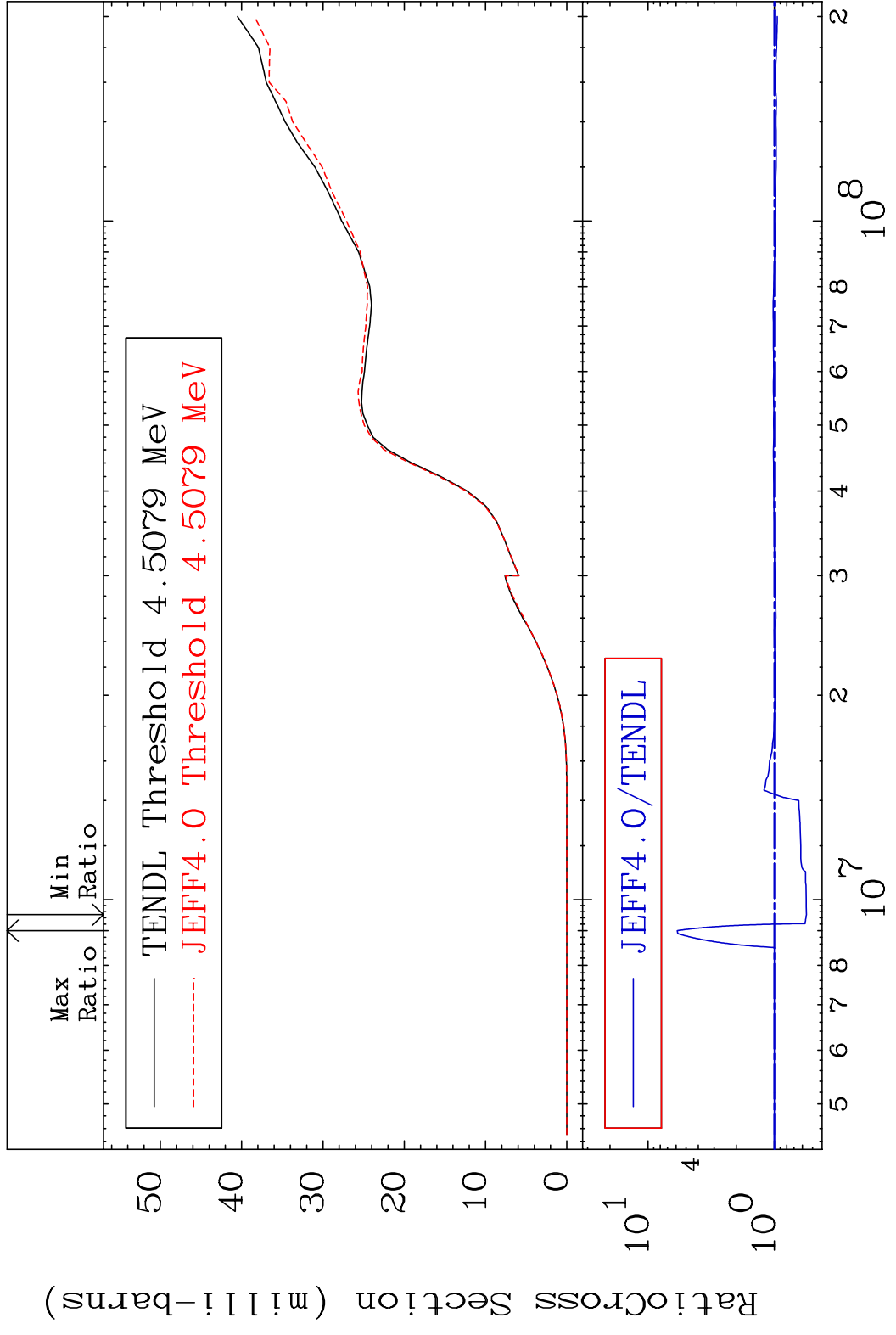
94-Pu-244

MAT 9452

Tritium Production

94-Pu-244

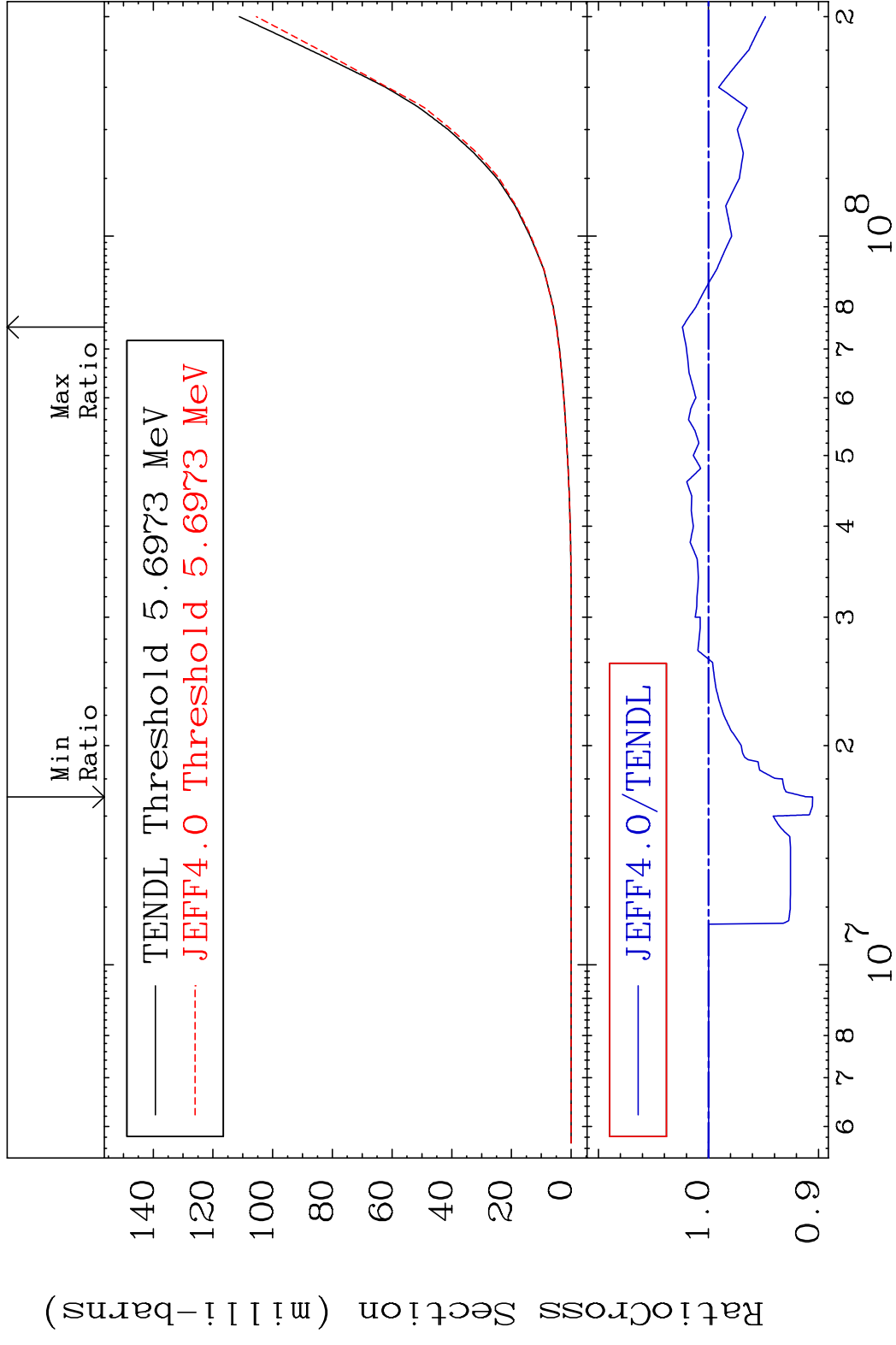
Cross Section -44.15 To 487.5 %



MAT 9452

He-3 Production
Cross Section -9.460 To 2.375 %

94-Pu-244



62

Incident Energy (eV)

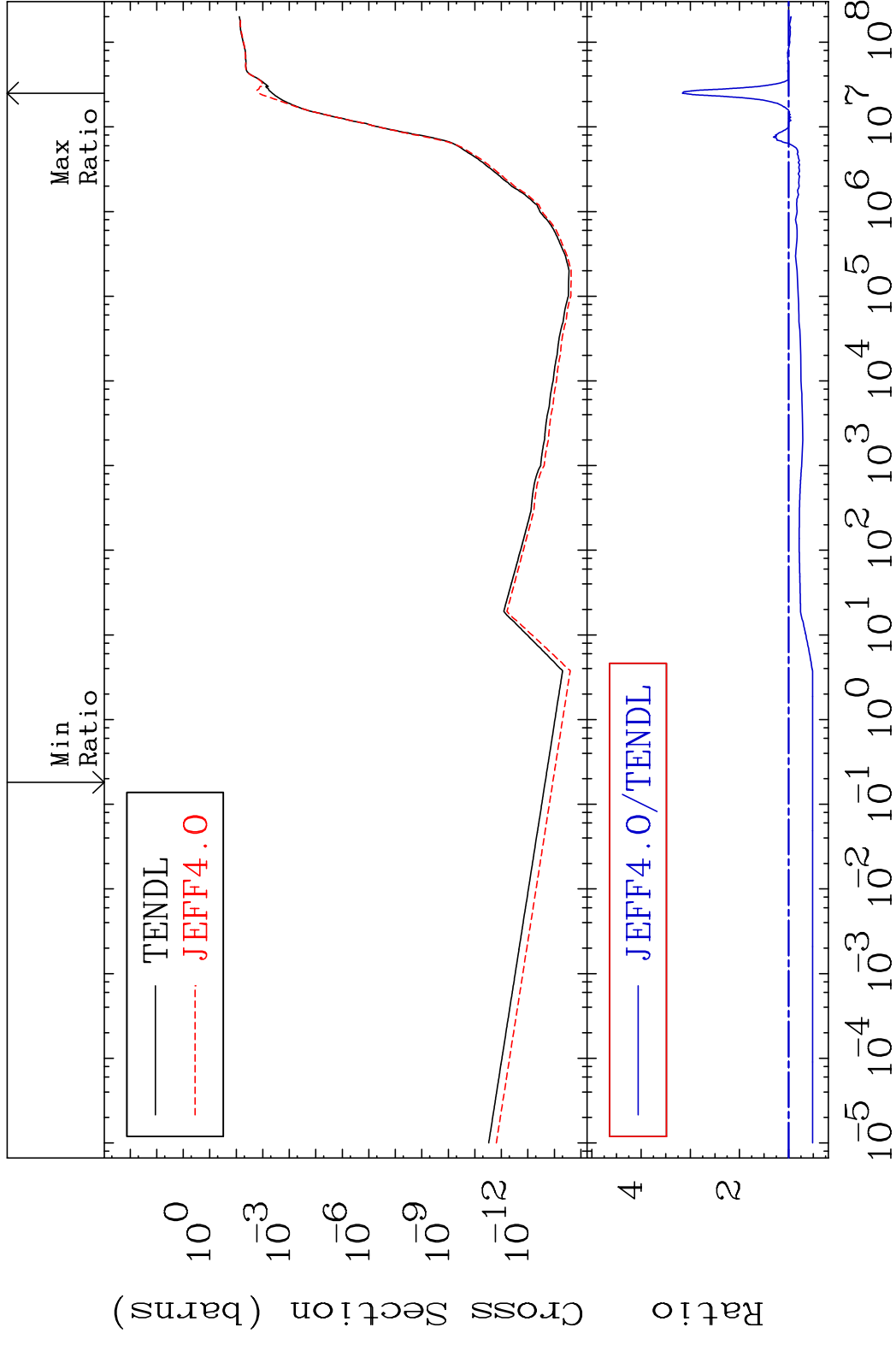
94-Pu-244

MAT 9452

He-4 Production

94-Pu-244

Cross Section -48.43 To 216.1 %



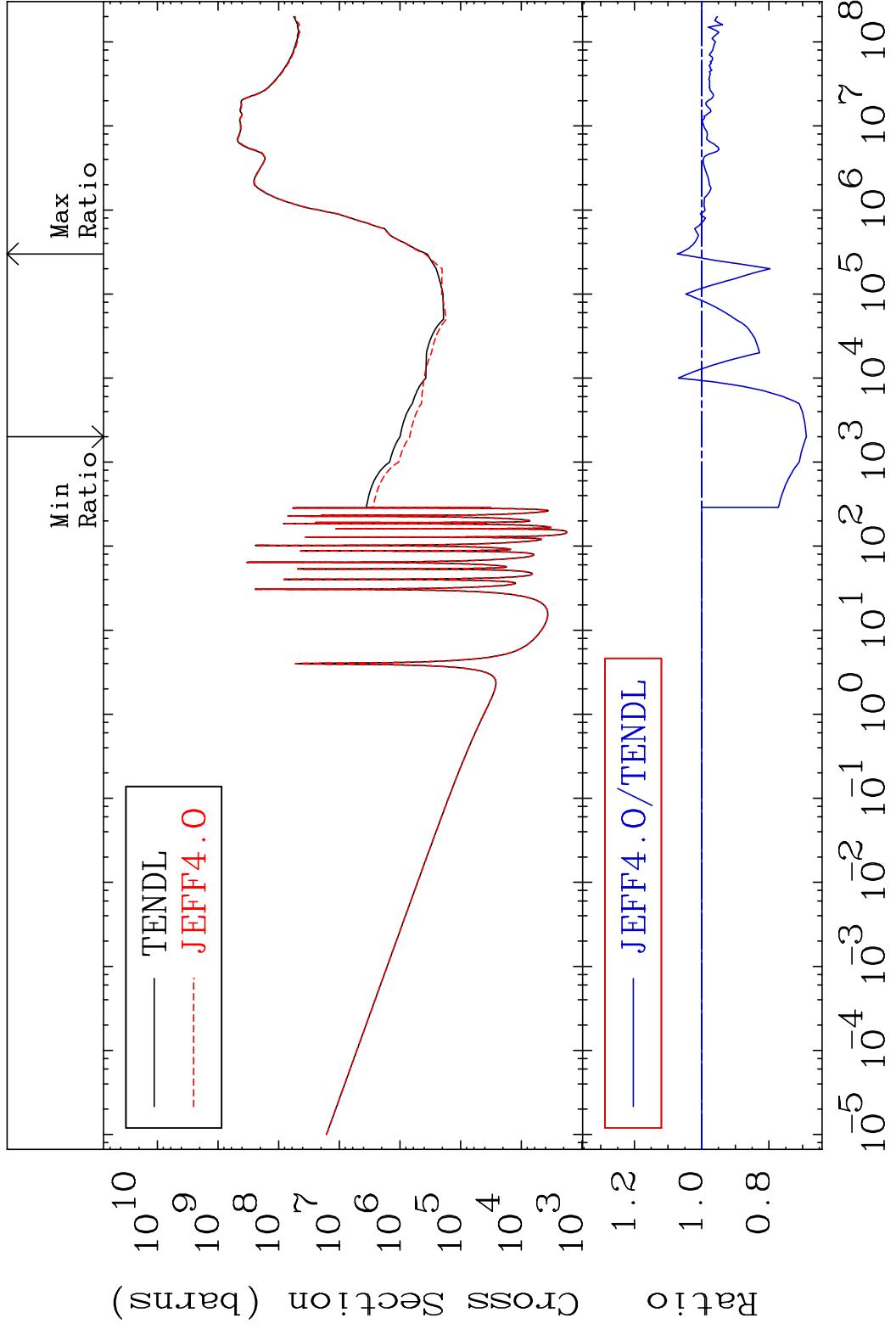
63

Incident Energy (eV)

94-Pu-244

MAT 9452

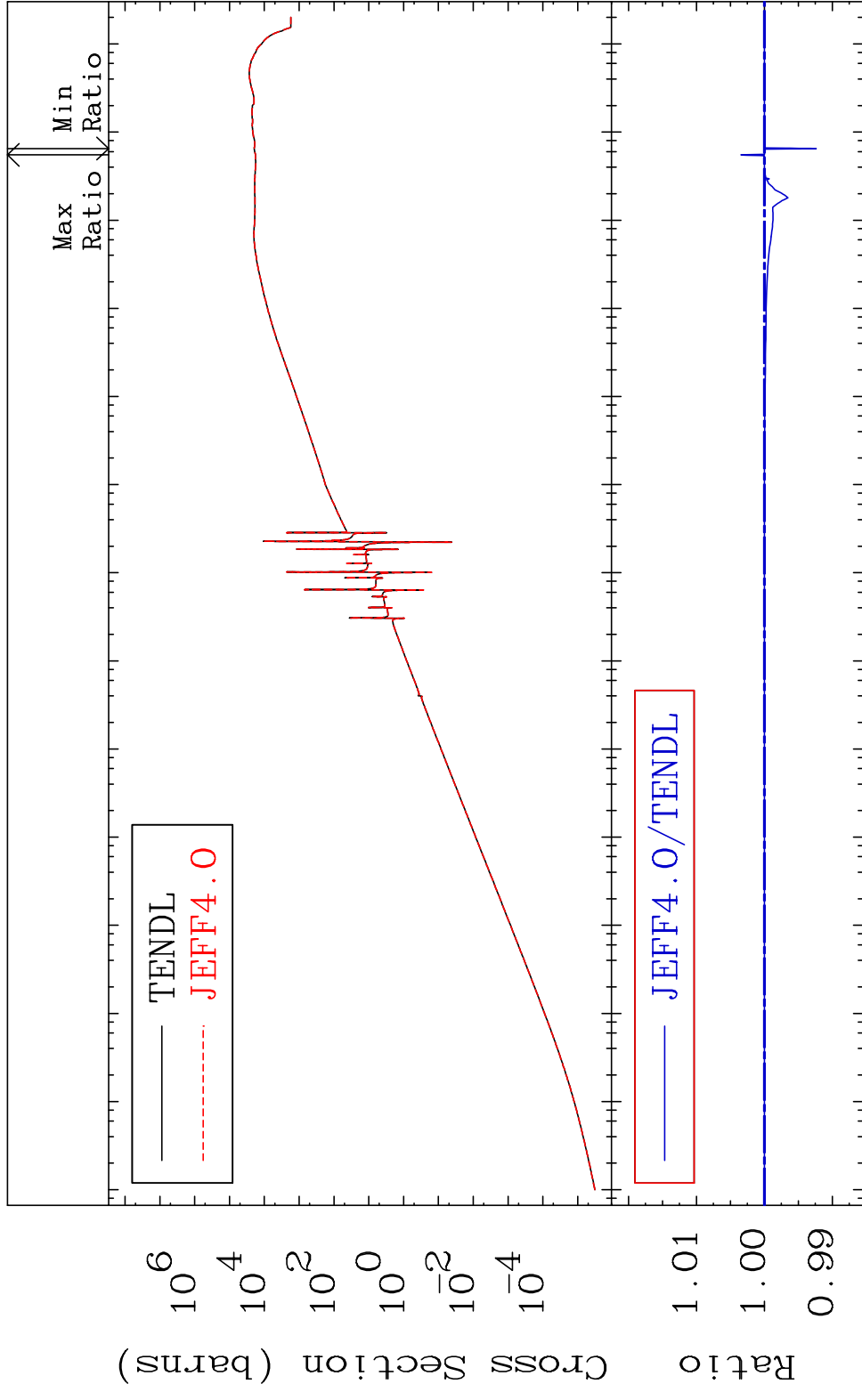
Kerma total (eV-barns) 94-Pu-244
Cross Section -31.12 To 7.285 %



MAT 9452

Kerma elastic
Cross Section -0.761 To 0.345 %

94-Pu-244

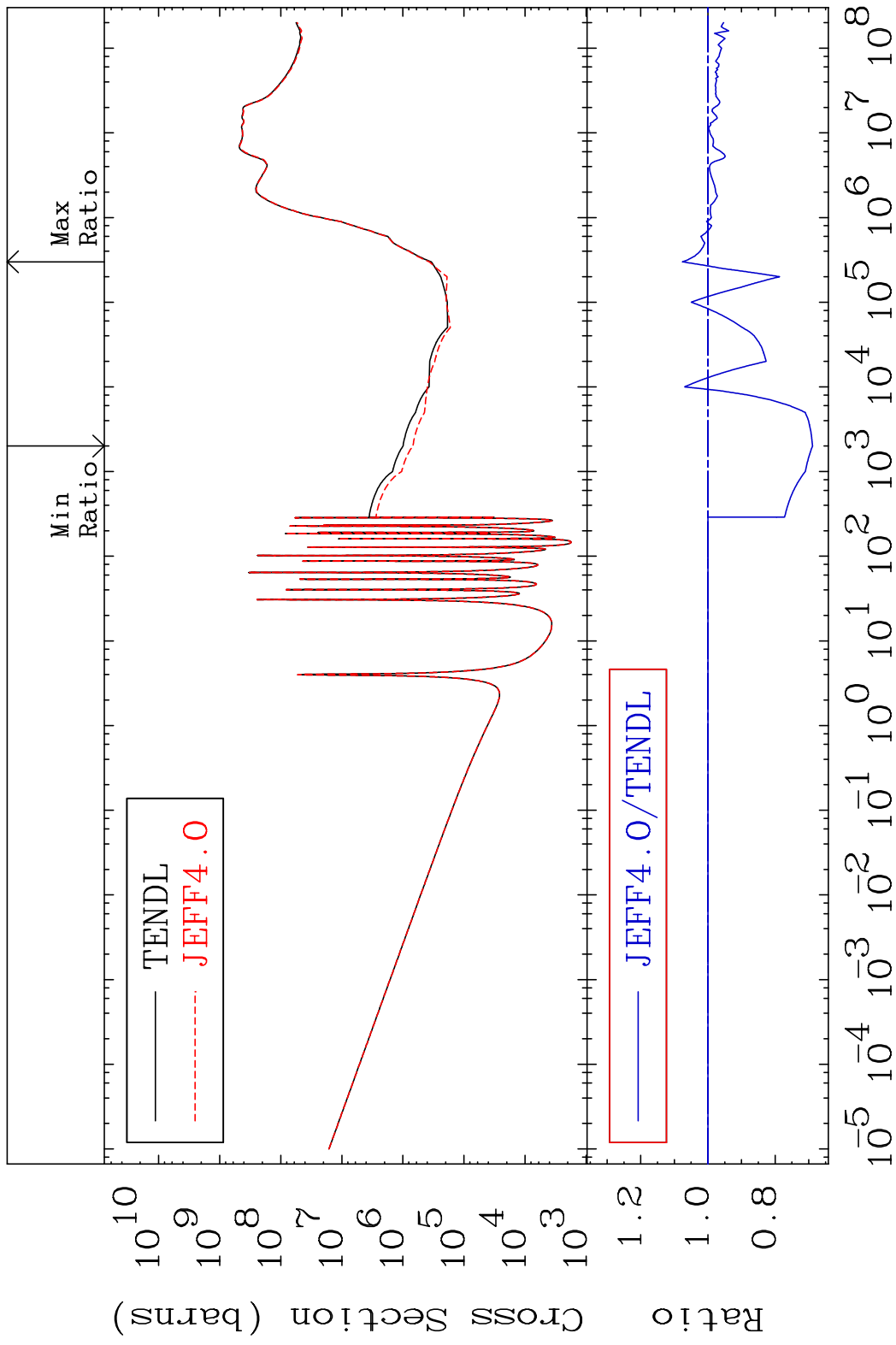


65

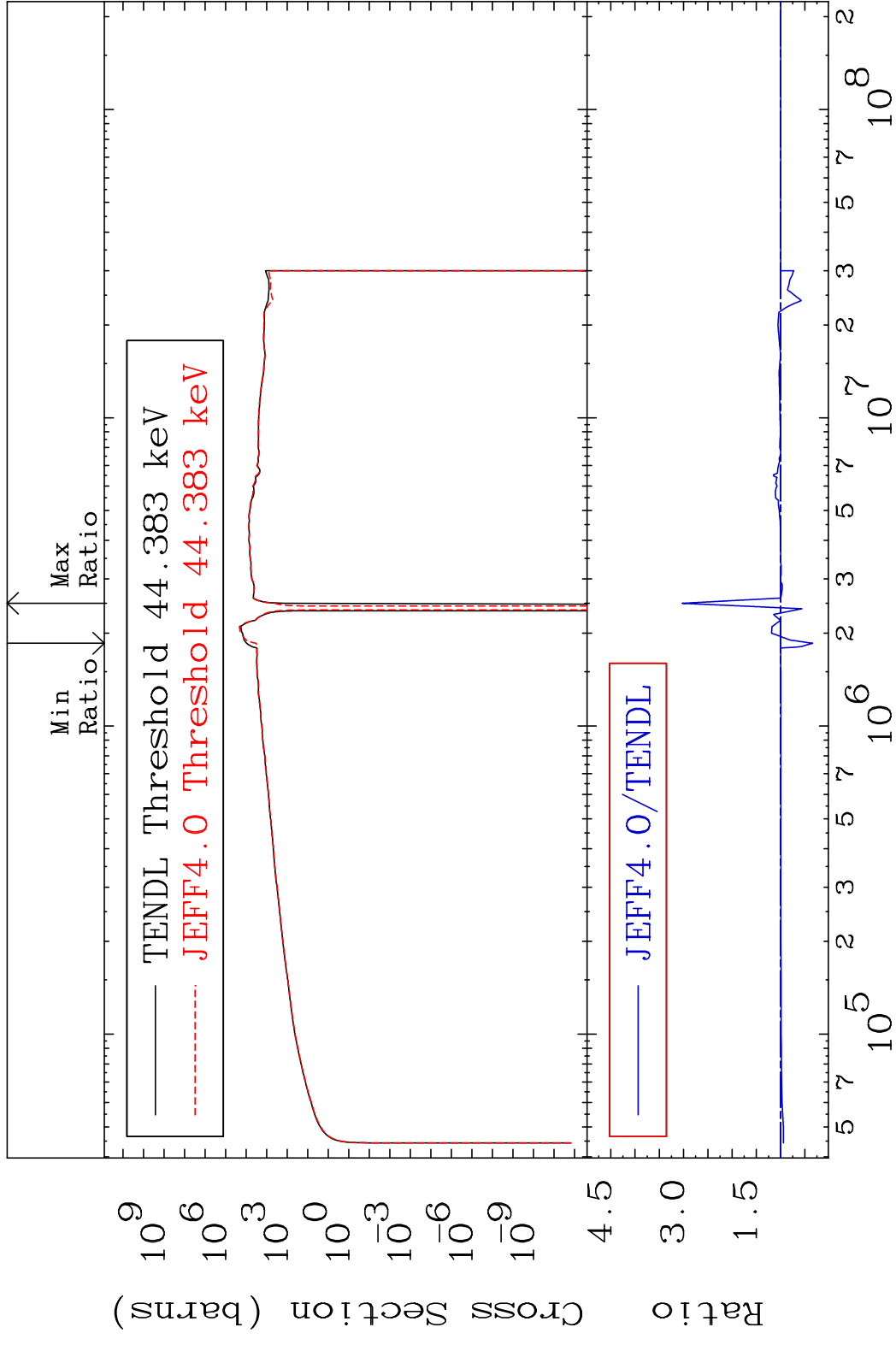
Incident Energy (eV)

94-Pu-244

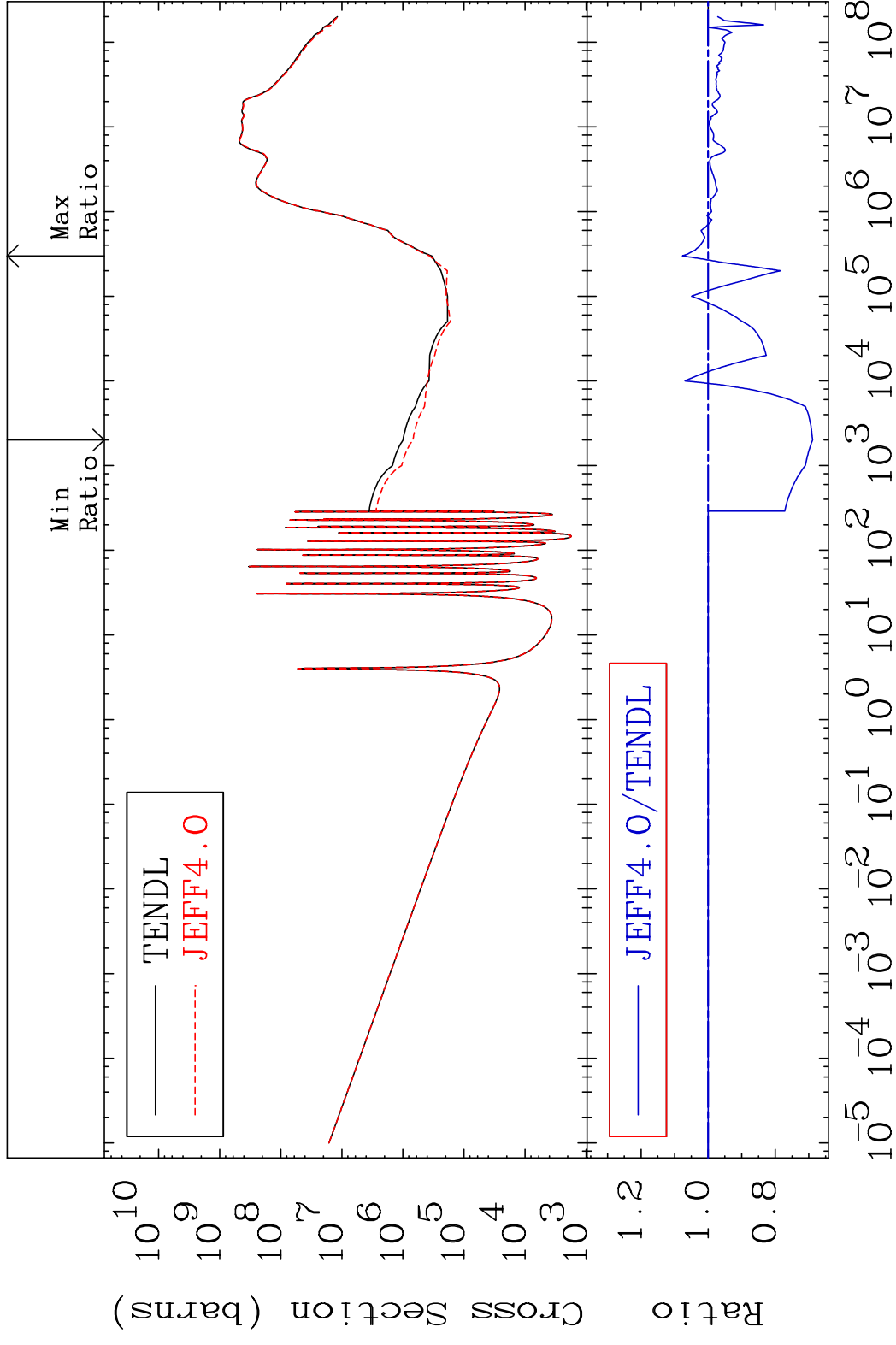
MAT 9452 Kerma non-elastic (all but mt2) 94-Pu-244
 Cross Section -31.13 To 7.616 %



MAT 9452 Kerma inelastic (mt51-91) 94-Pu-244
 Cross Section -65.74 To 202.6 %

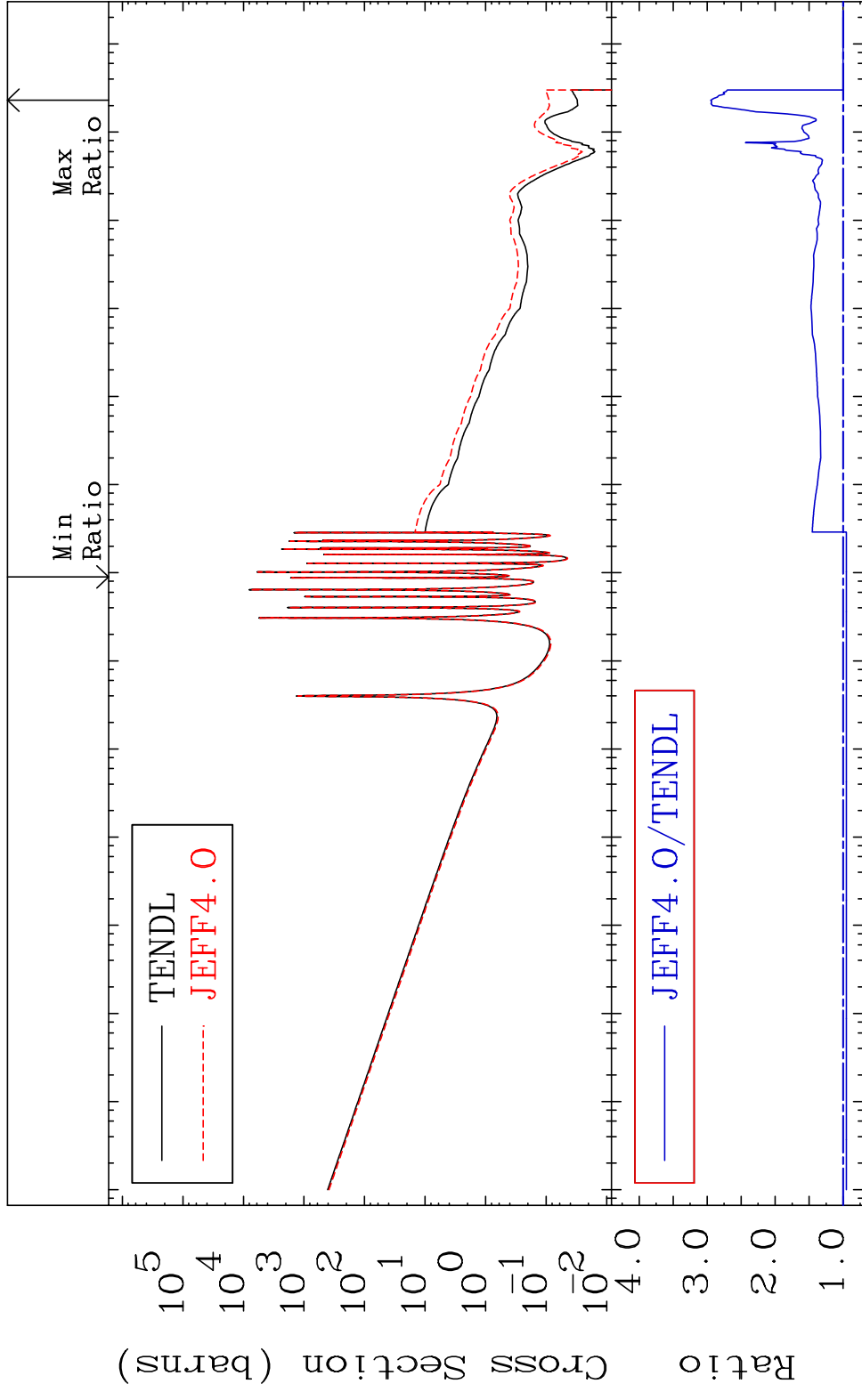


MAT 9452 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-244
 Cross Section -31.13 To 7.691 %



MAT 9452

Kerma capture (mt102) 94-Pu-244
Cross Section -4.746 To 194.8 %

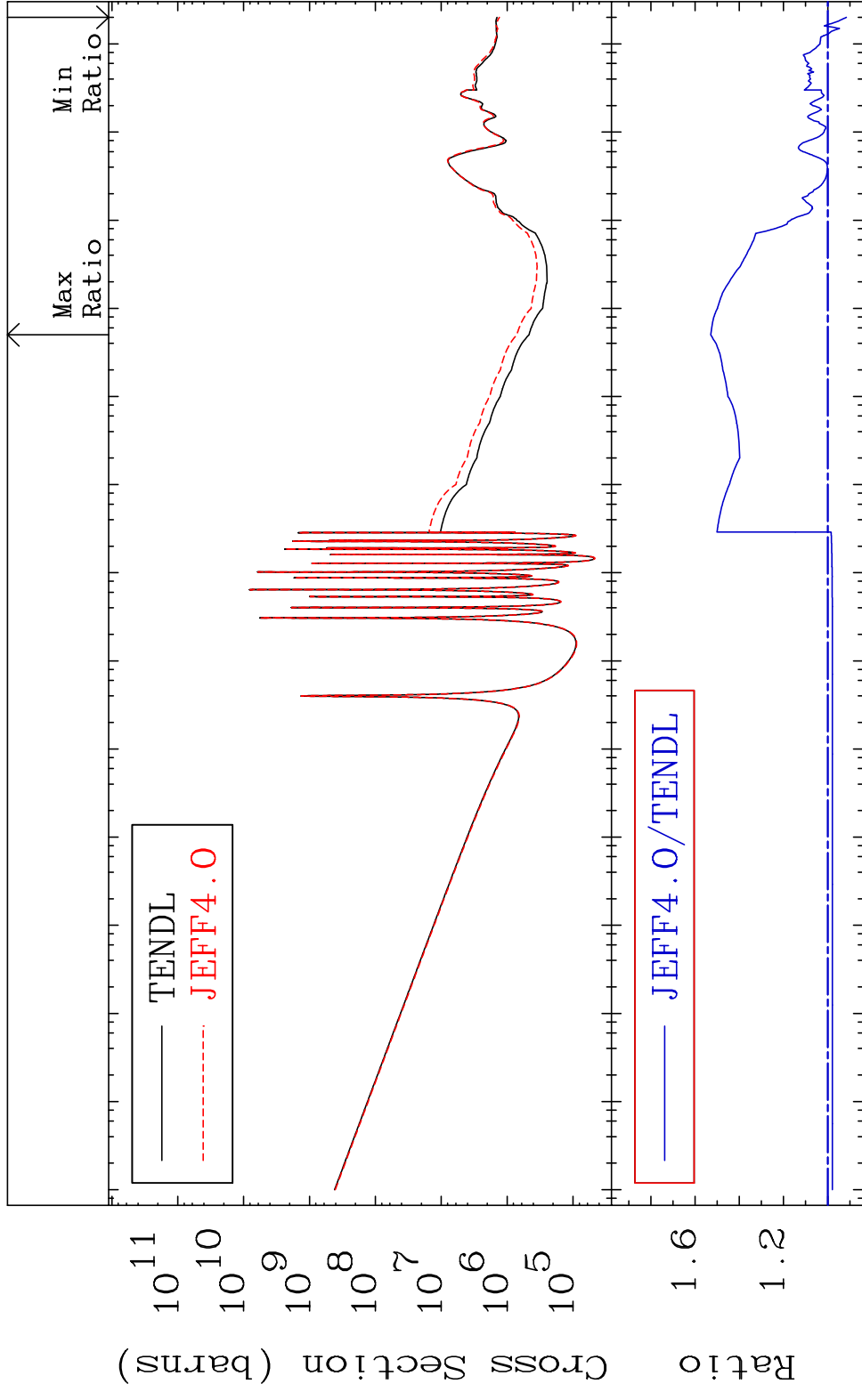


69

Incident Energy (eV)

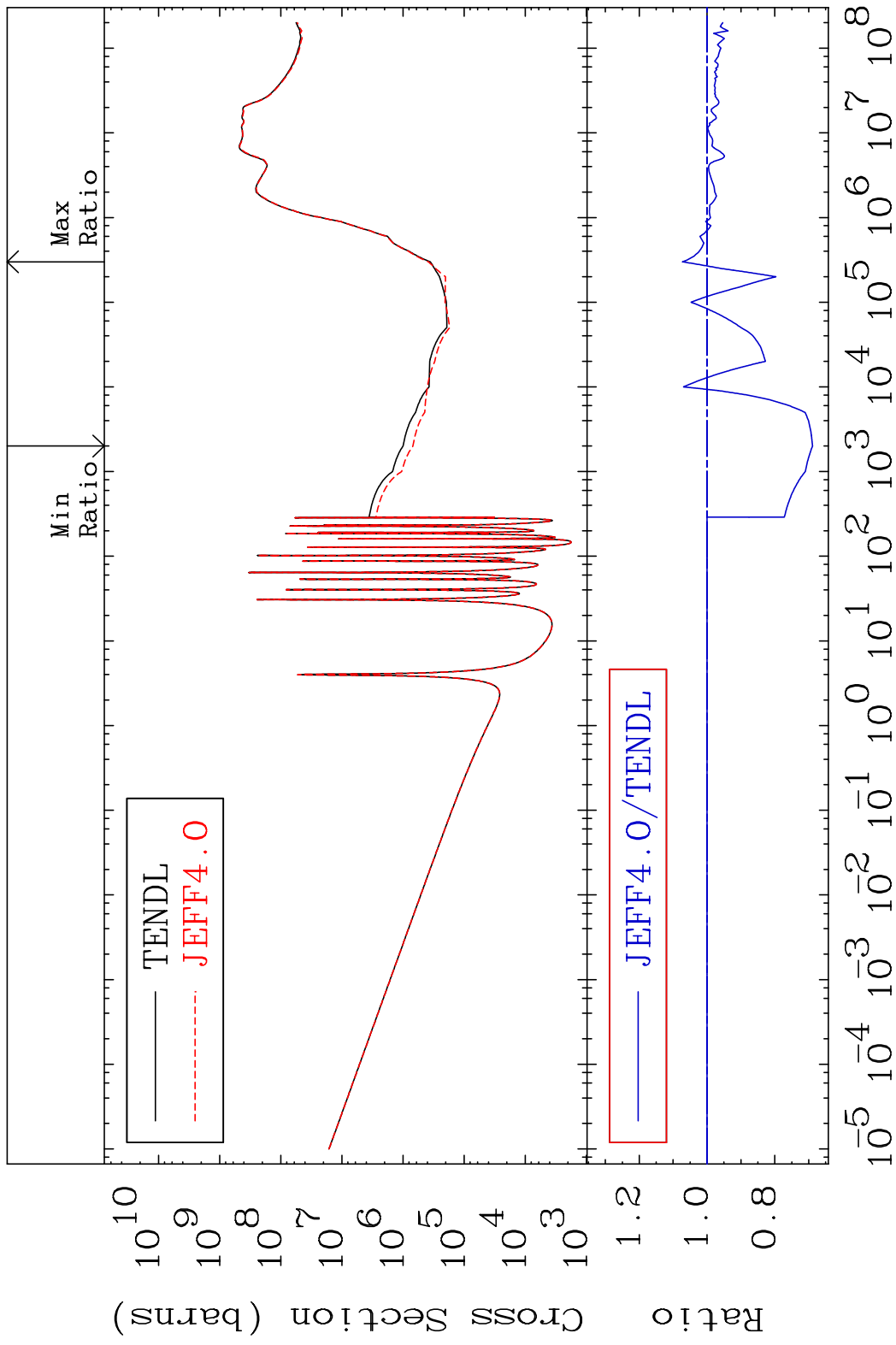
94-Pu-244

MAT 9452 Total photon (eV-barns) 94-Pu-244
 Cross Section -8.413 To 52.95 %



70 Incident Energy (eV) 94-Pu-244

MAT 9452 Total kinematic kerma (high limit) 94-Pu-244
 Cross Section -31.12 To 7.284 %

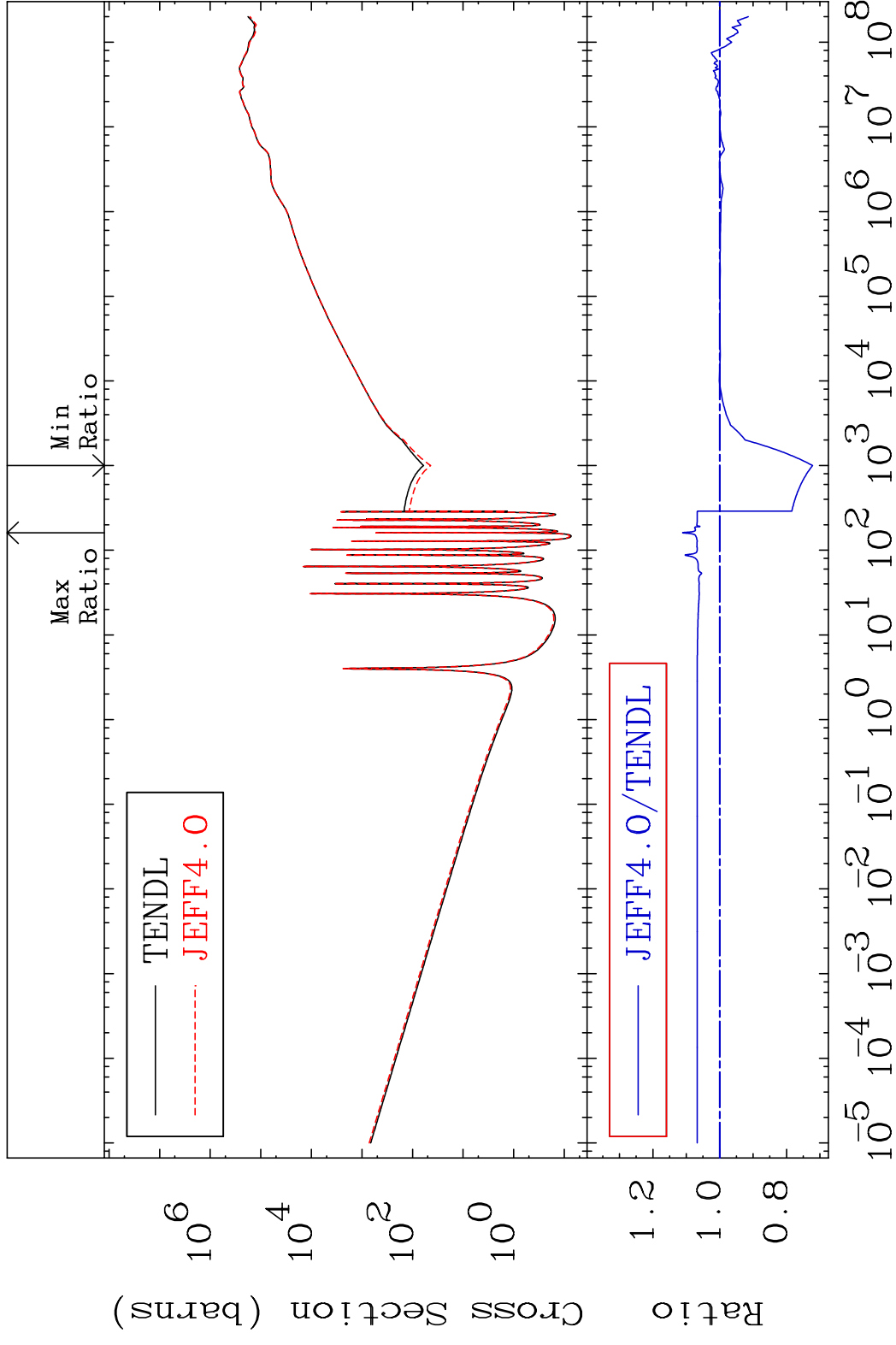


MAT 9452

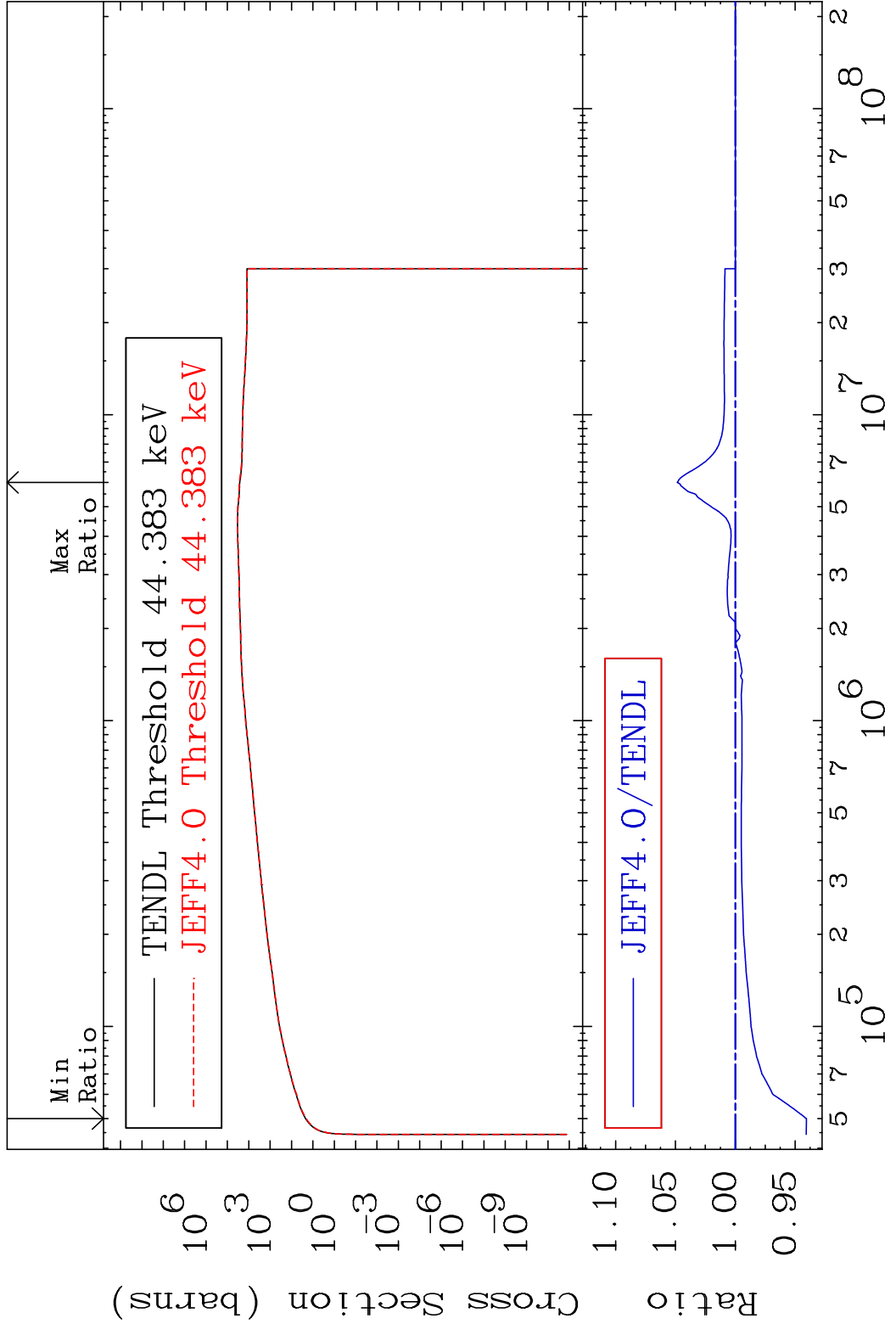
Dpa total (eV-barns)

94-Pu-244

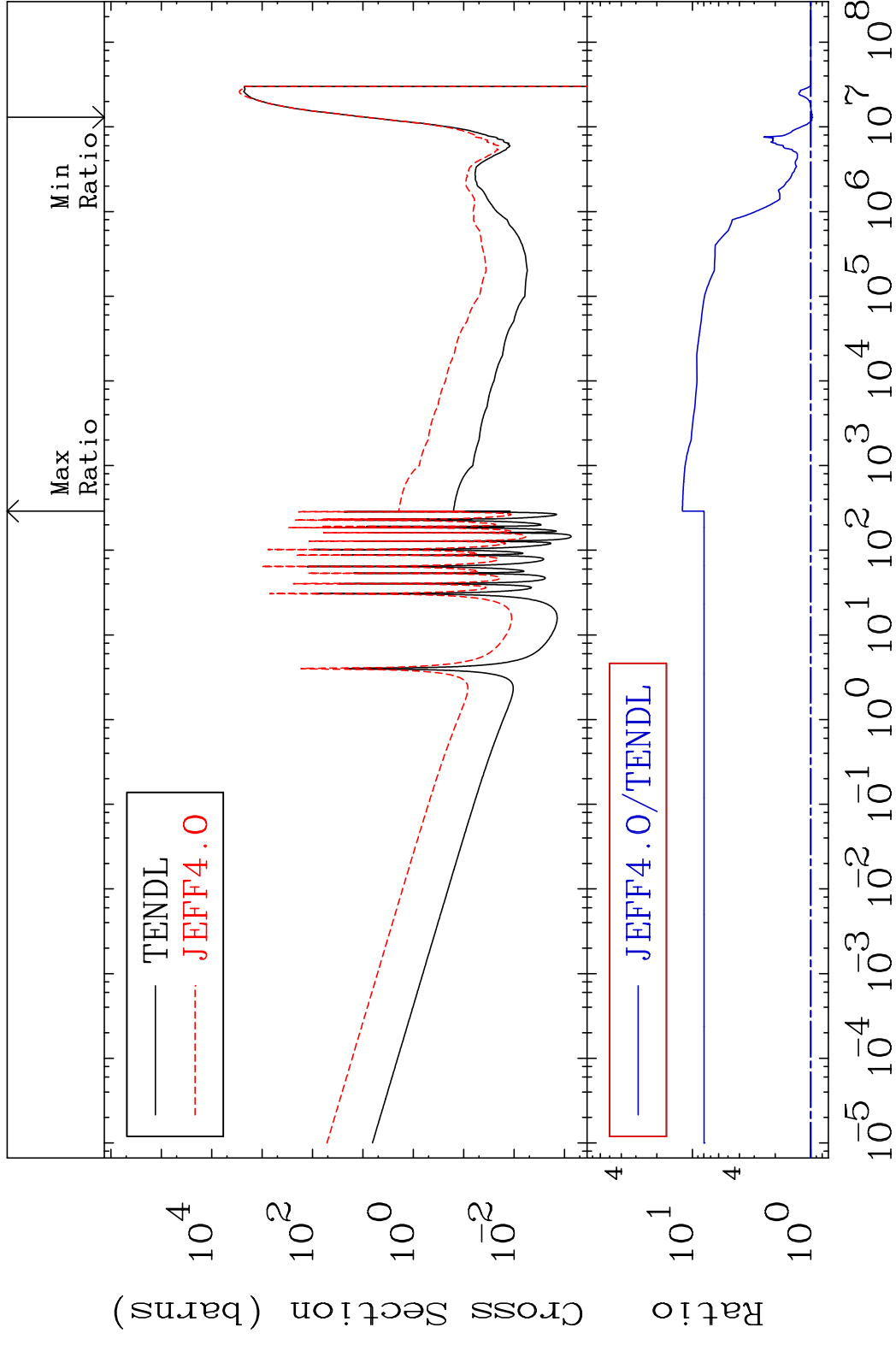
Cross Section -27.79 To 11.18 %



MAT 9452 Dpa inelastic (mt51-91) 94-Pu-244
 Cross Section -5.935 To 4.855 %



MAT 9452 Dpa disappearance (mt102 -120) 94-Pu-244
 Cross Section -3.457 To 1117. %



MAT 9452 Inelastic:94-Pu-244g 94-Pu-244
 Radionuclide Production Cross Section 5.682 %

