

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

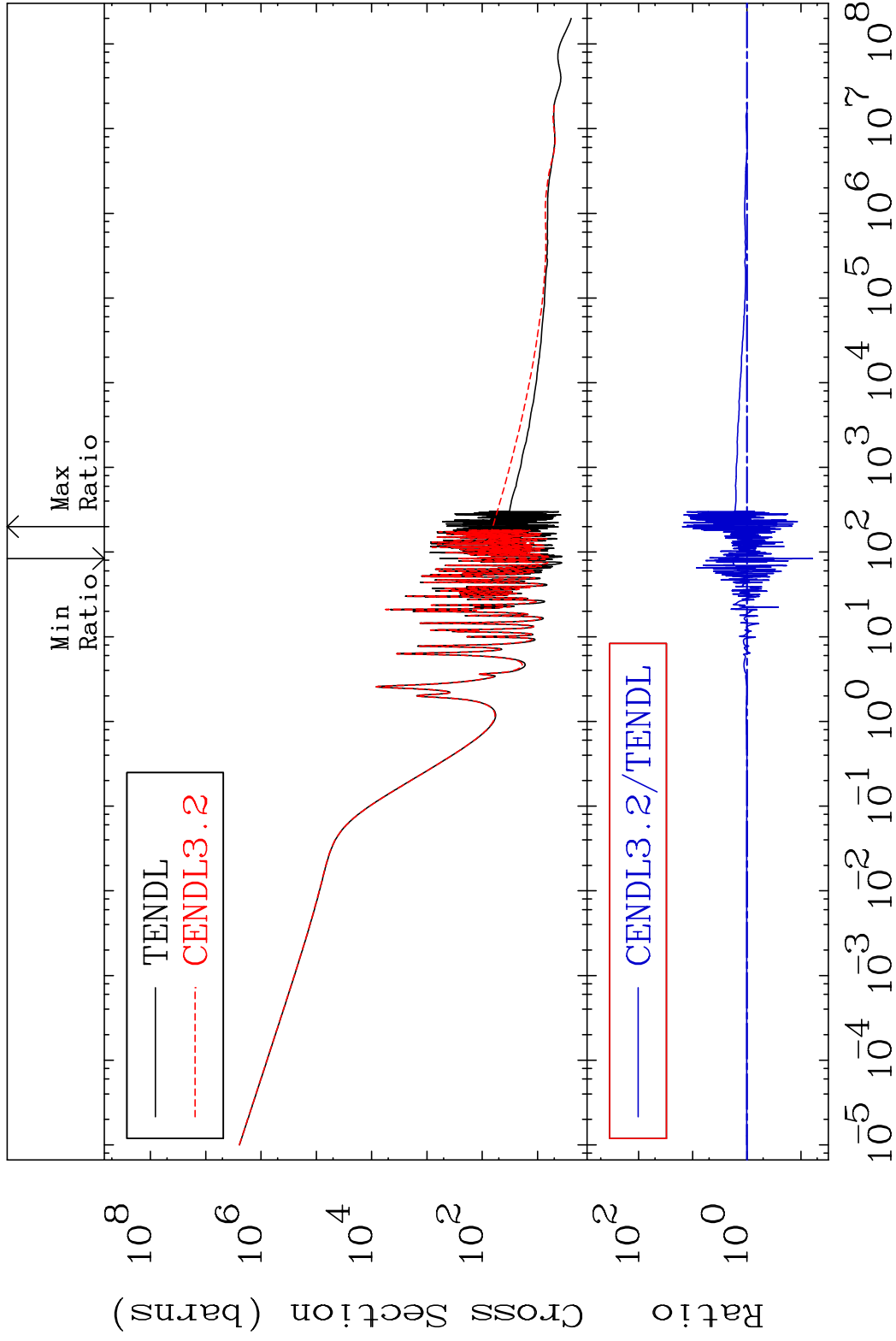
MAT 6434

Total

64-Gd-155

Cross Section

-93.89 To 1455. %



1

Incident Energy (eV)

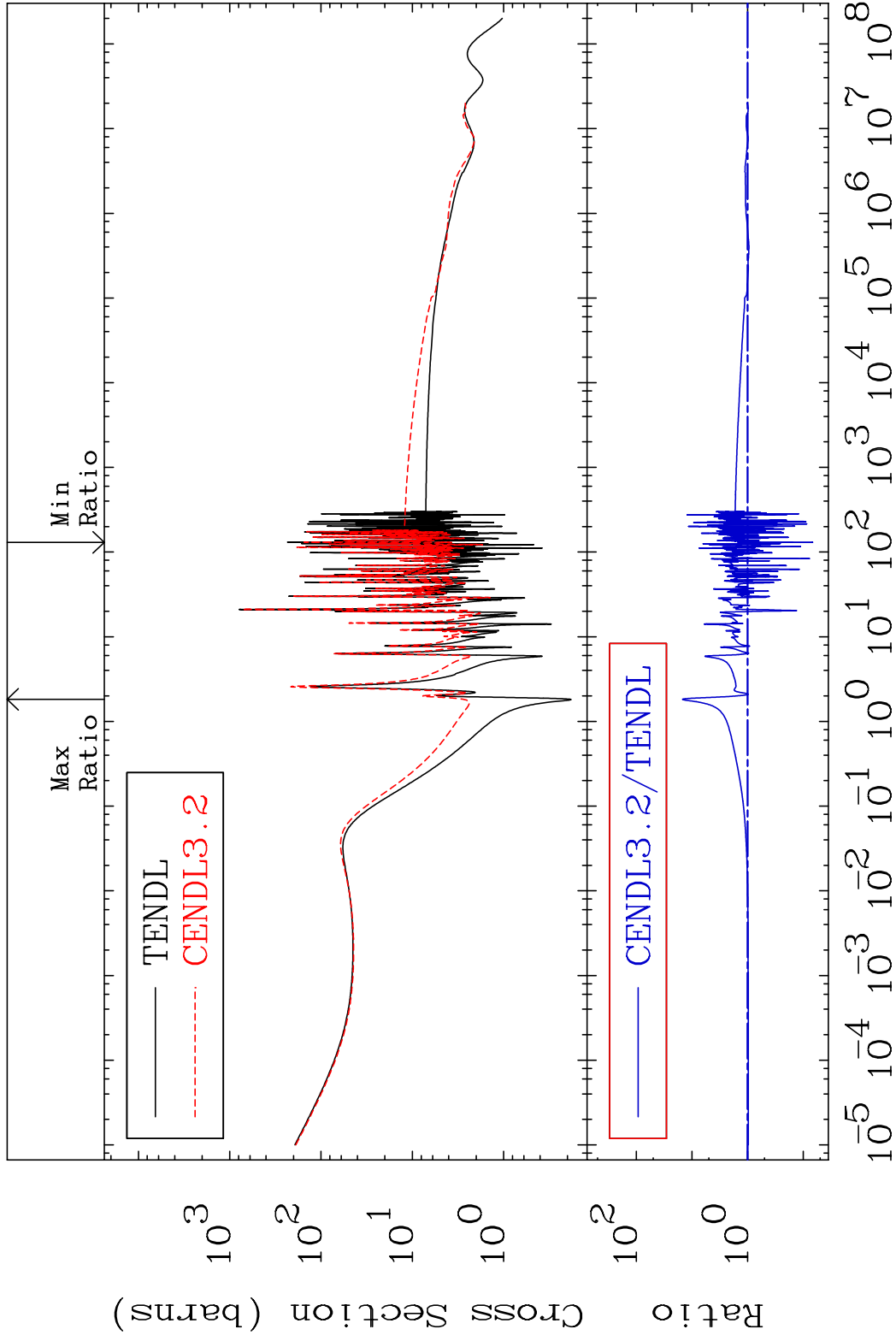
64-Gd-155

MAT 6434

Elastic

64-Gd-155

Cross Section -93.18 To 1394. %



2

Incident Energy (eV)

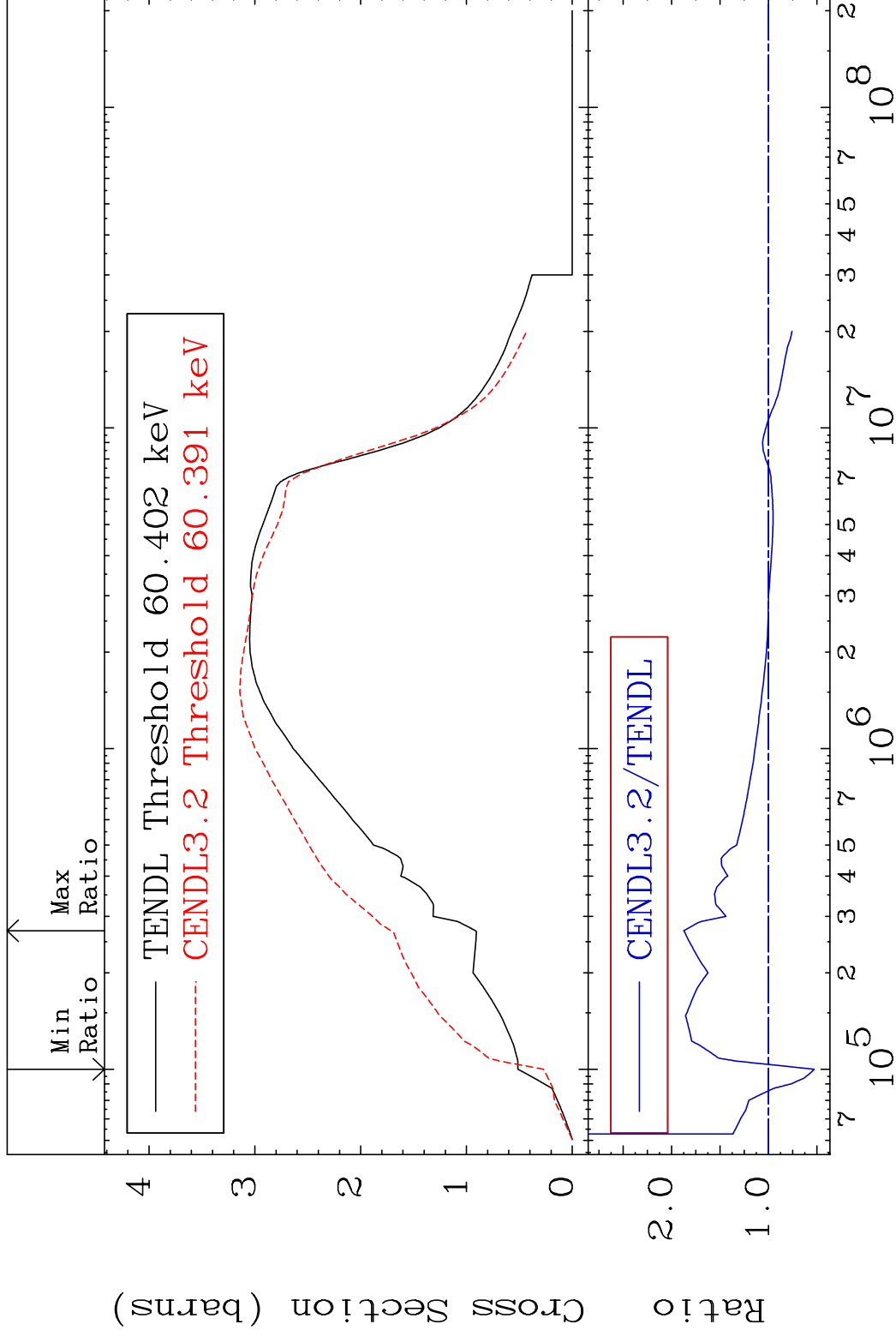
64-Gd-155

MAT 6434

Inelastic

64-Gd-155

Cross Section -47.22 To 87.46 %



3

Incident Energy (eV)

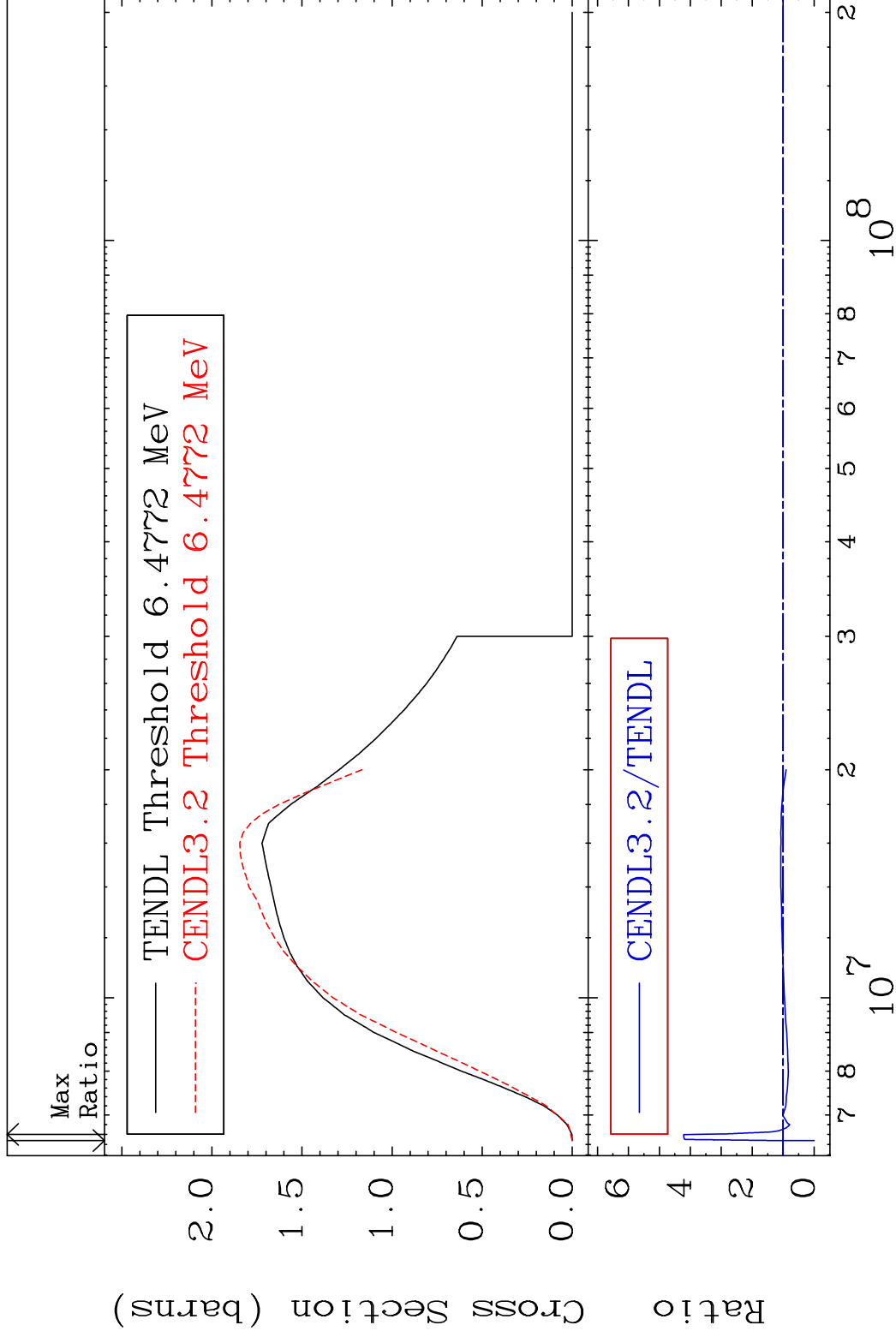
64-Gd-155

MAT 6434

(n,2n)

64-Gd-155

Cross Section -100.0 To 321.5 %



4

Incident Energy (eV)

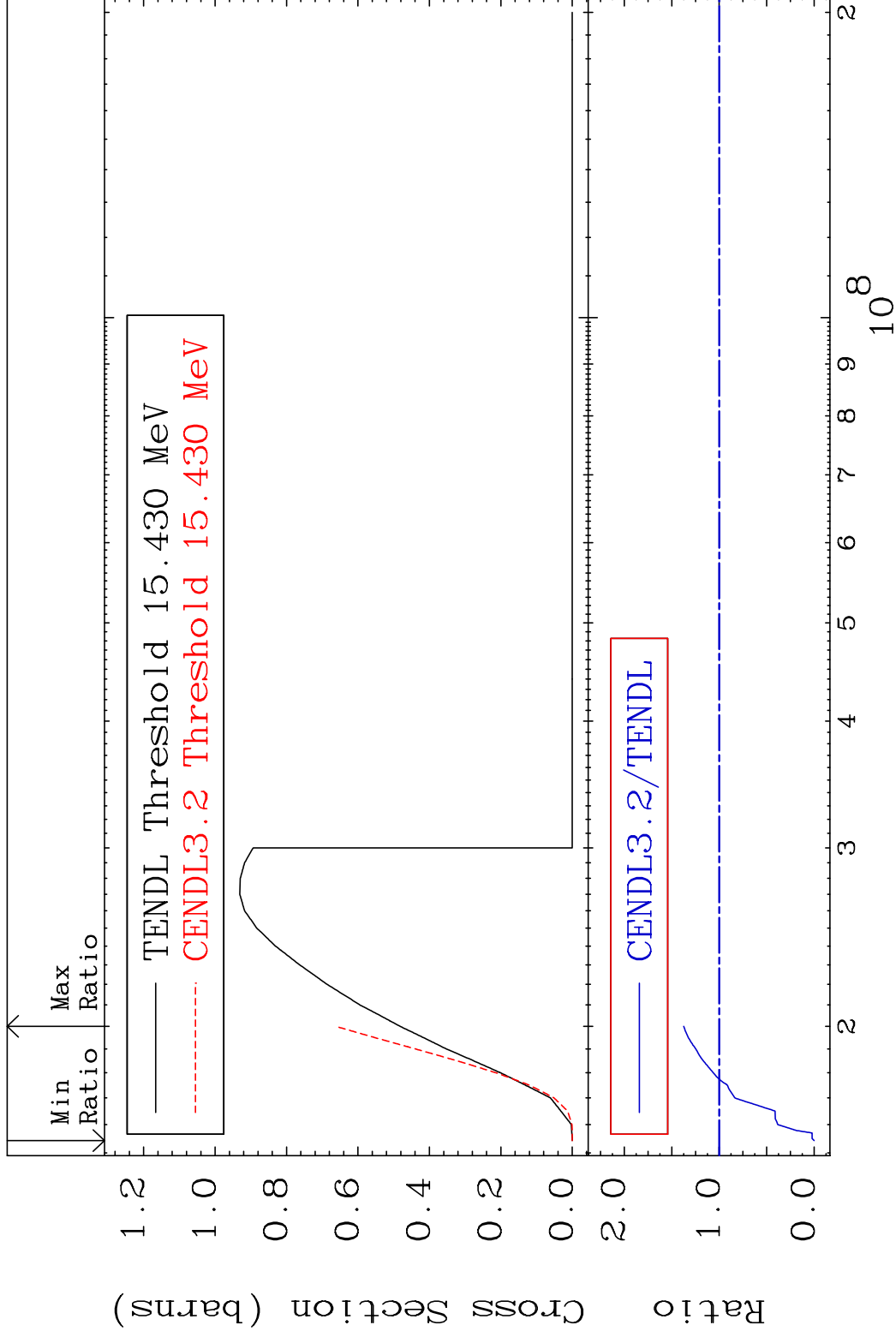
64-Gd-155

MAT 6434

(n,3n)

64-Gd-155

Cross Section -100.0 To 37.47 %



5

Incident Energy (eV)

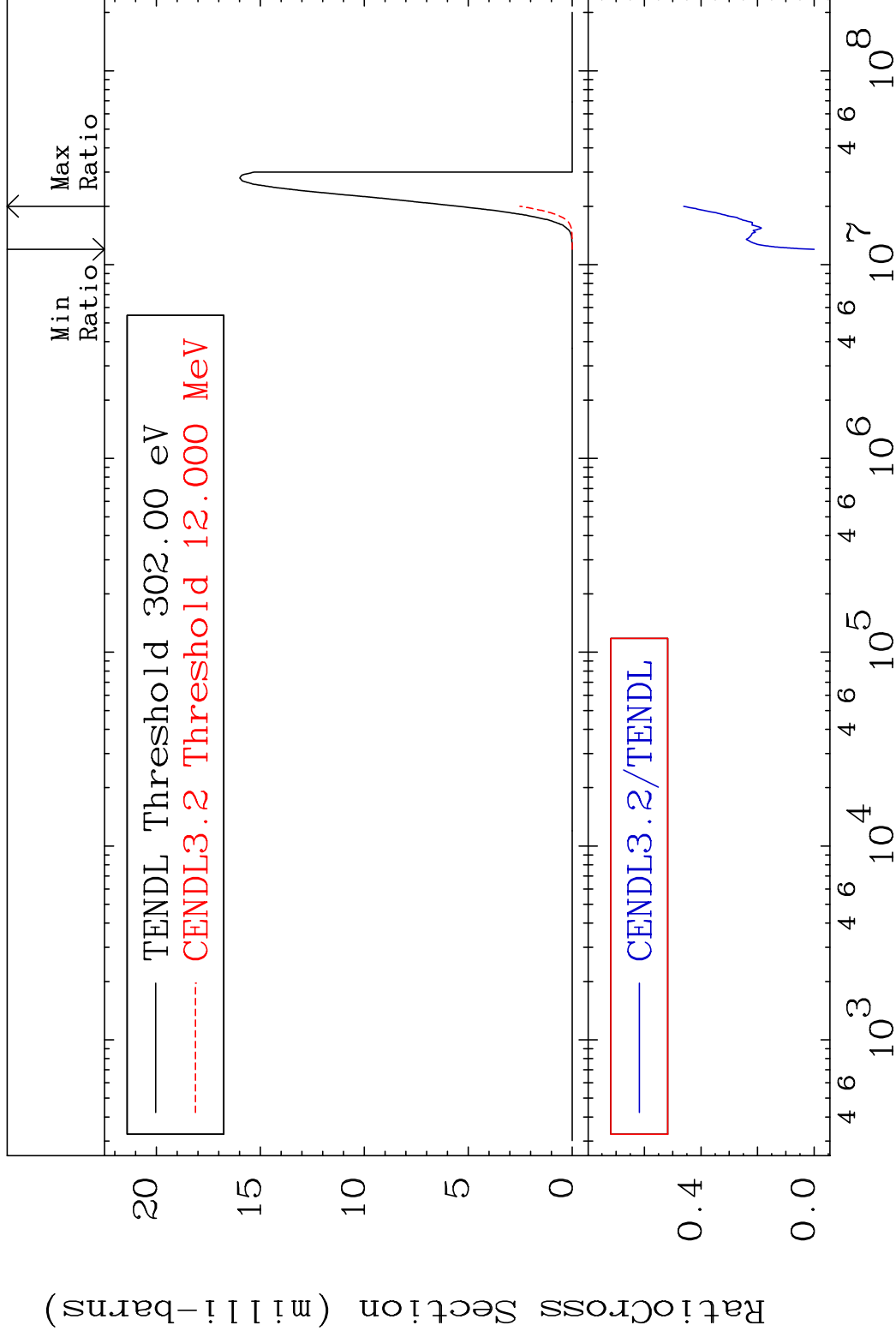
64-Gd-155

MAT 6434

(n, n') α

64-Gd-155

Cross Section -100.0 To -53.87%



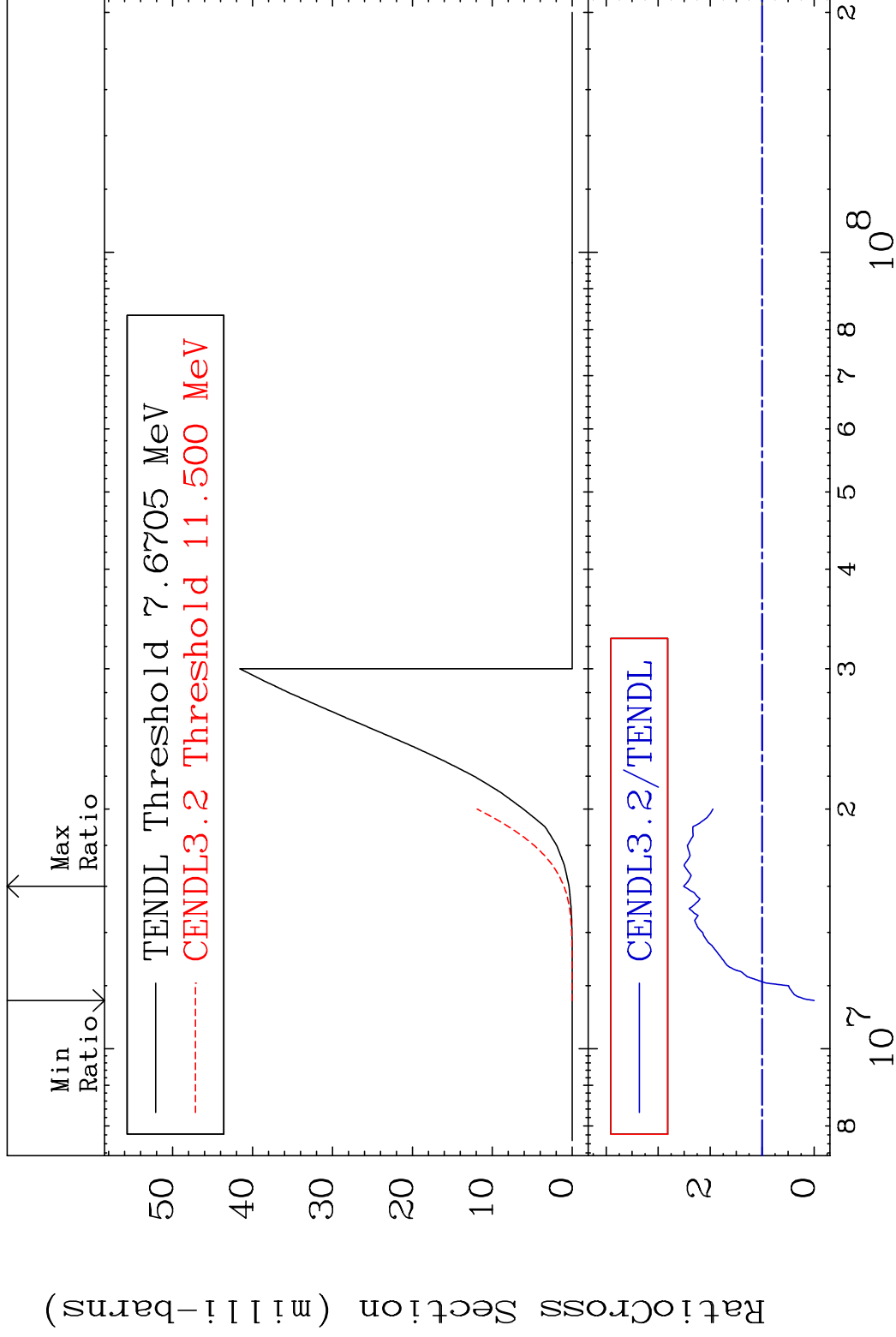
6

Incident Energy (eV)

64-Gd-155

MAT 6434

(n, n') p 64-Gd-155
Cross Section -100.0 To 150.9 %

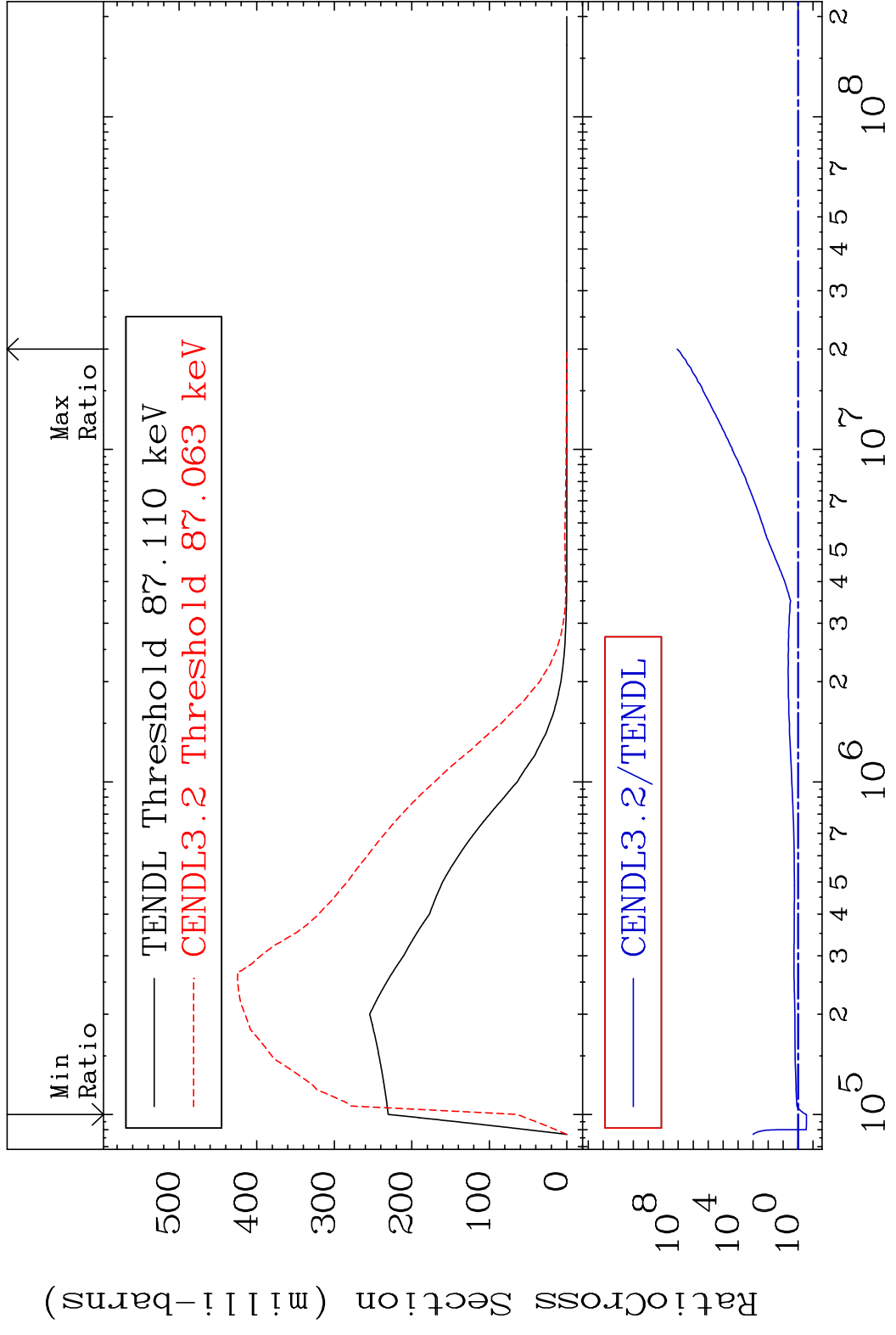


7

Incident Energy (eV)

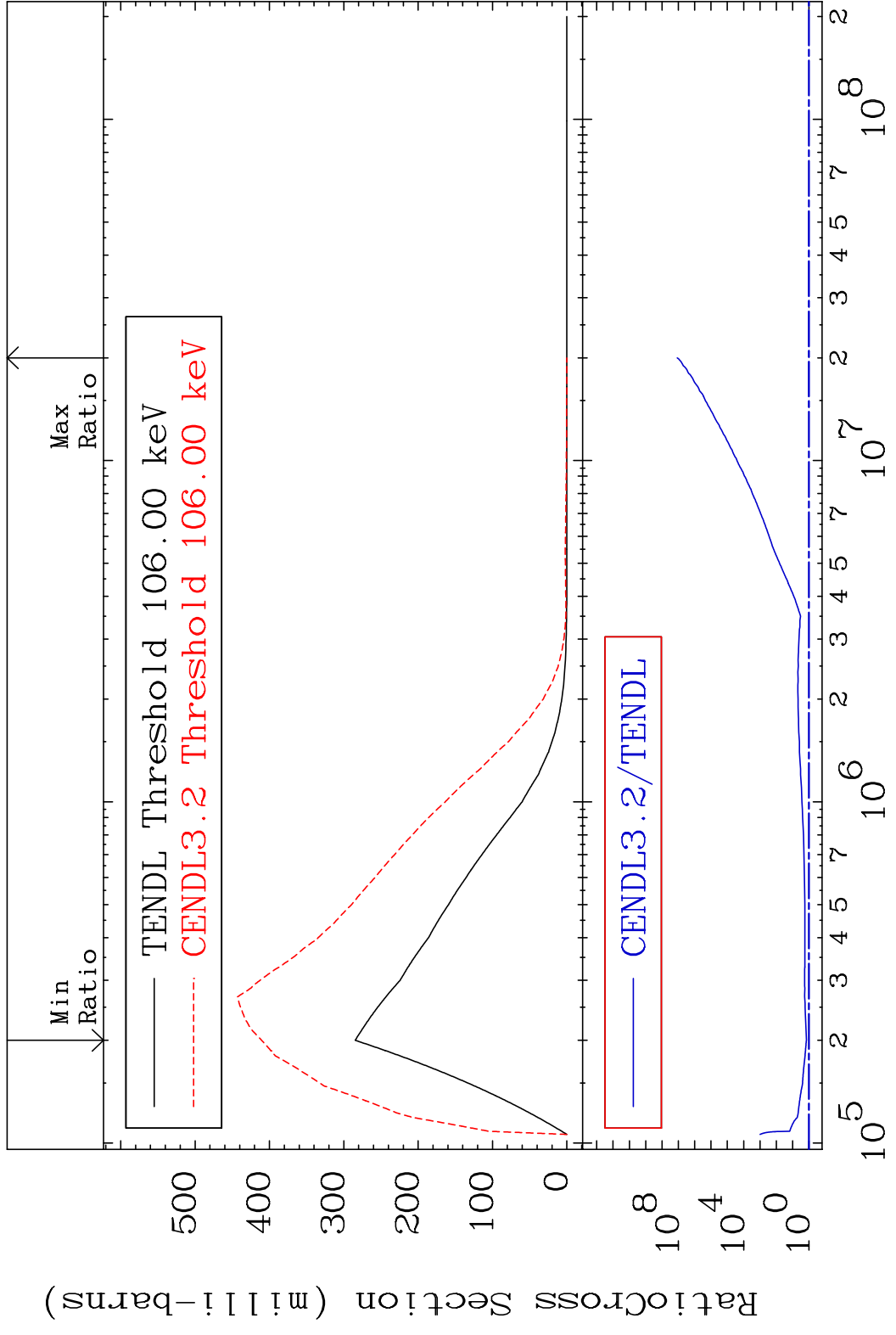
64-Gd-155

MAT 6434 MT= 52 (n,n') Level 64-Gd-155
 Cross Section -72.06 To 9999. %



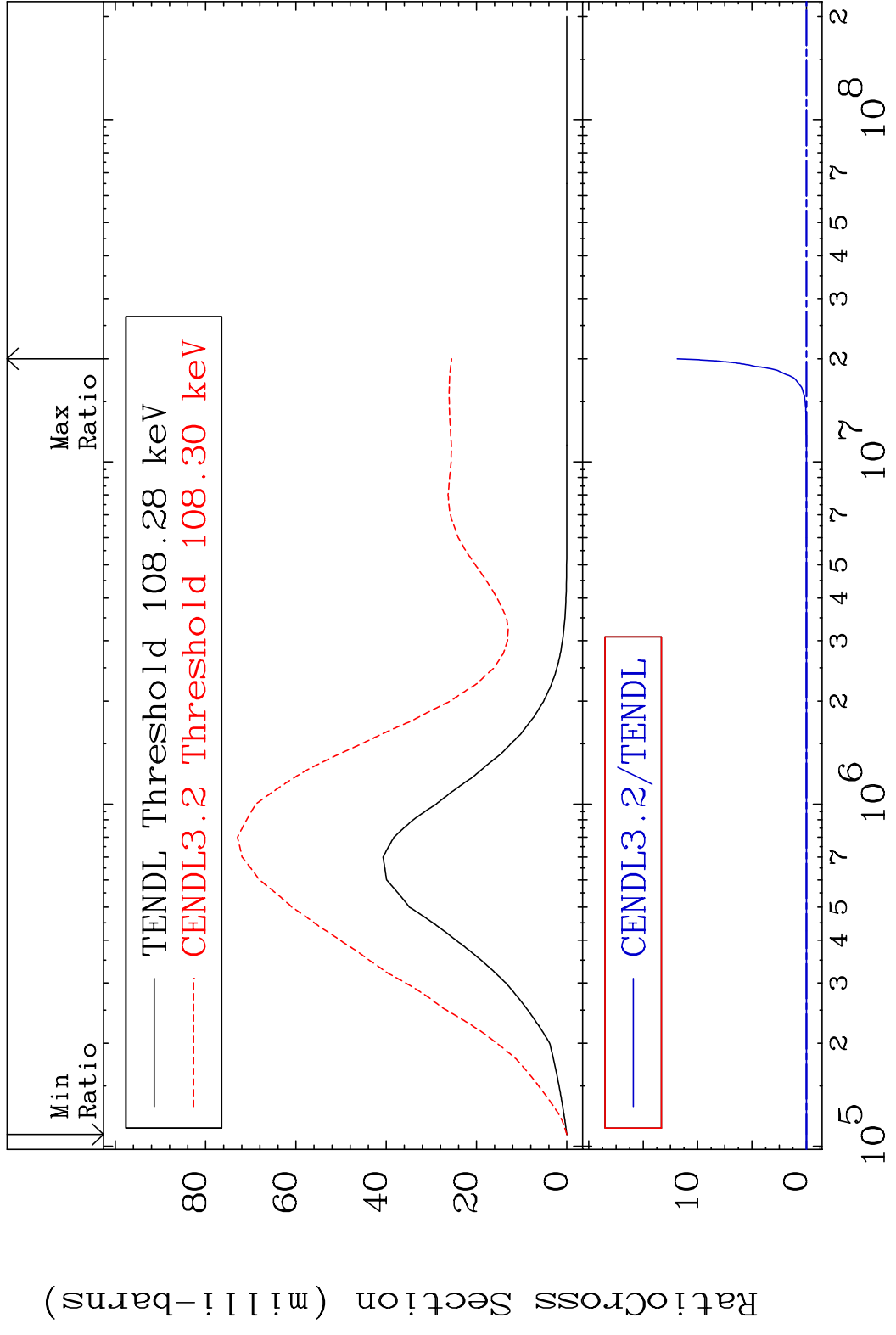
9 Incident Energy (eV) 64-Gd-155

MAT 6434 MT= 53 (n,n') Level 64-Gd-155
 Cross Section 44.20 To 9999. %

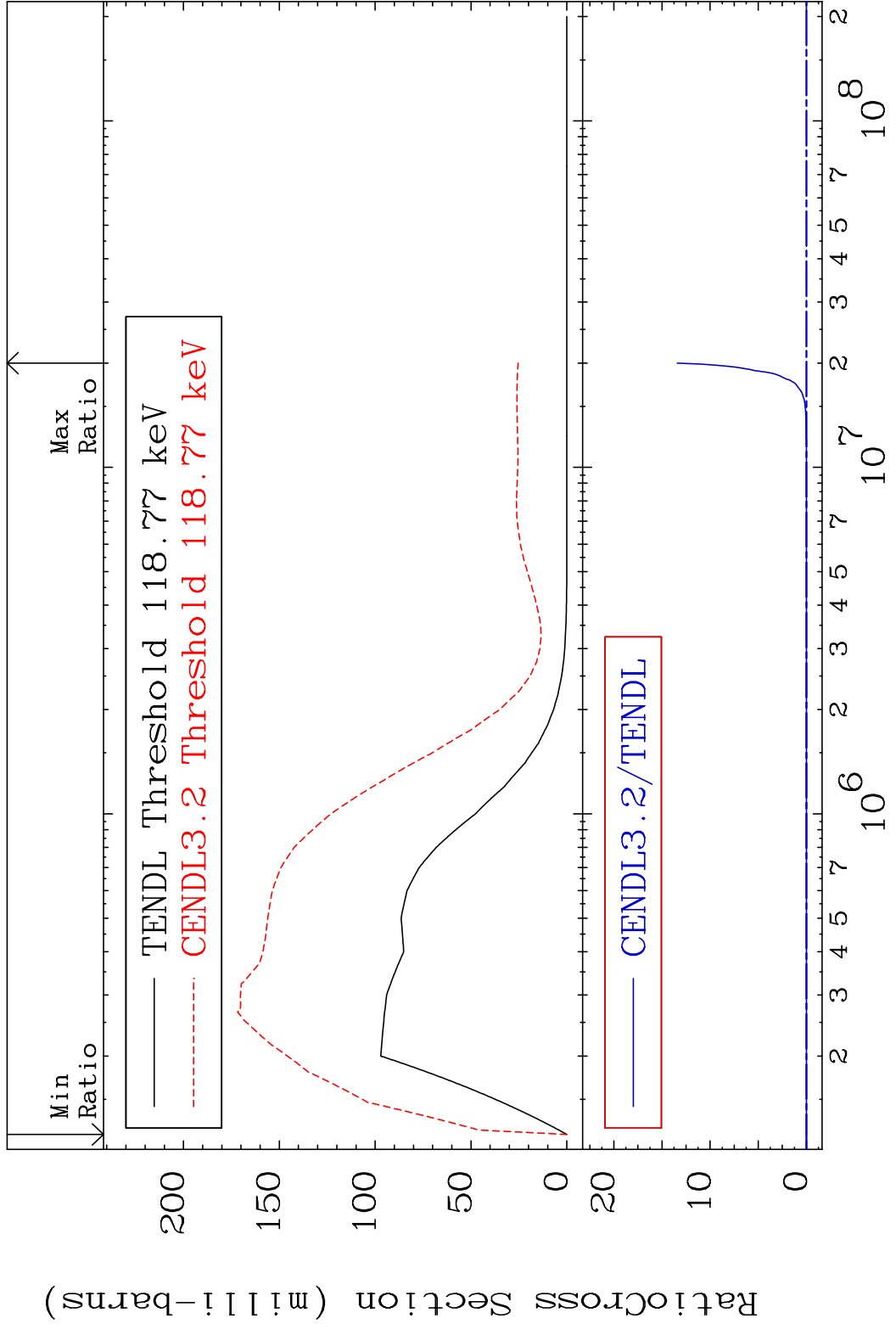


10 10⁵ 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2 64-Gd-155

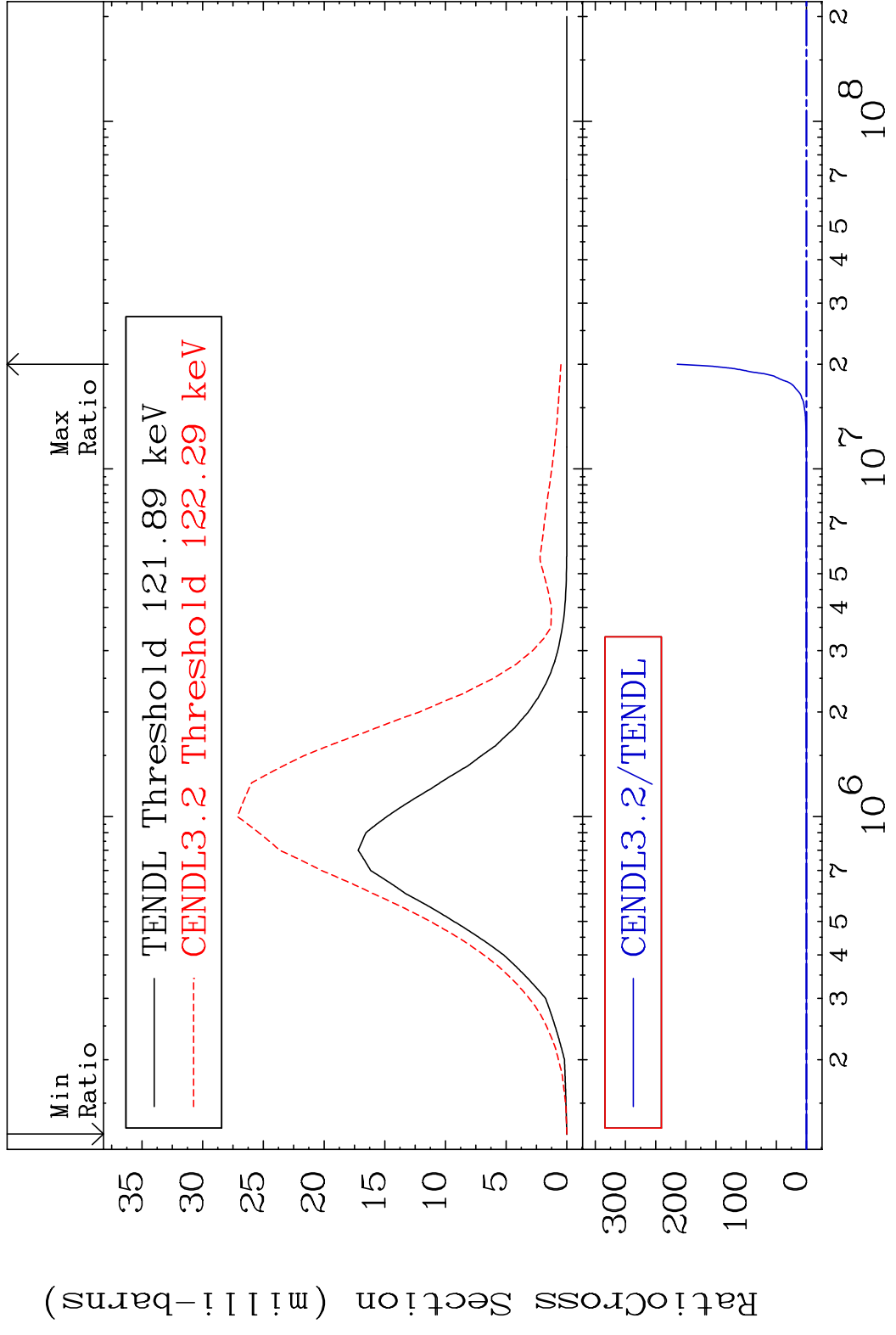
MAT 6434 MT= 54 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



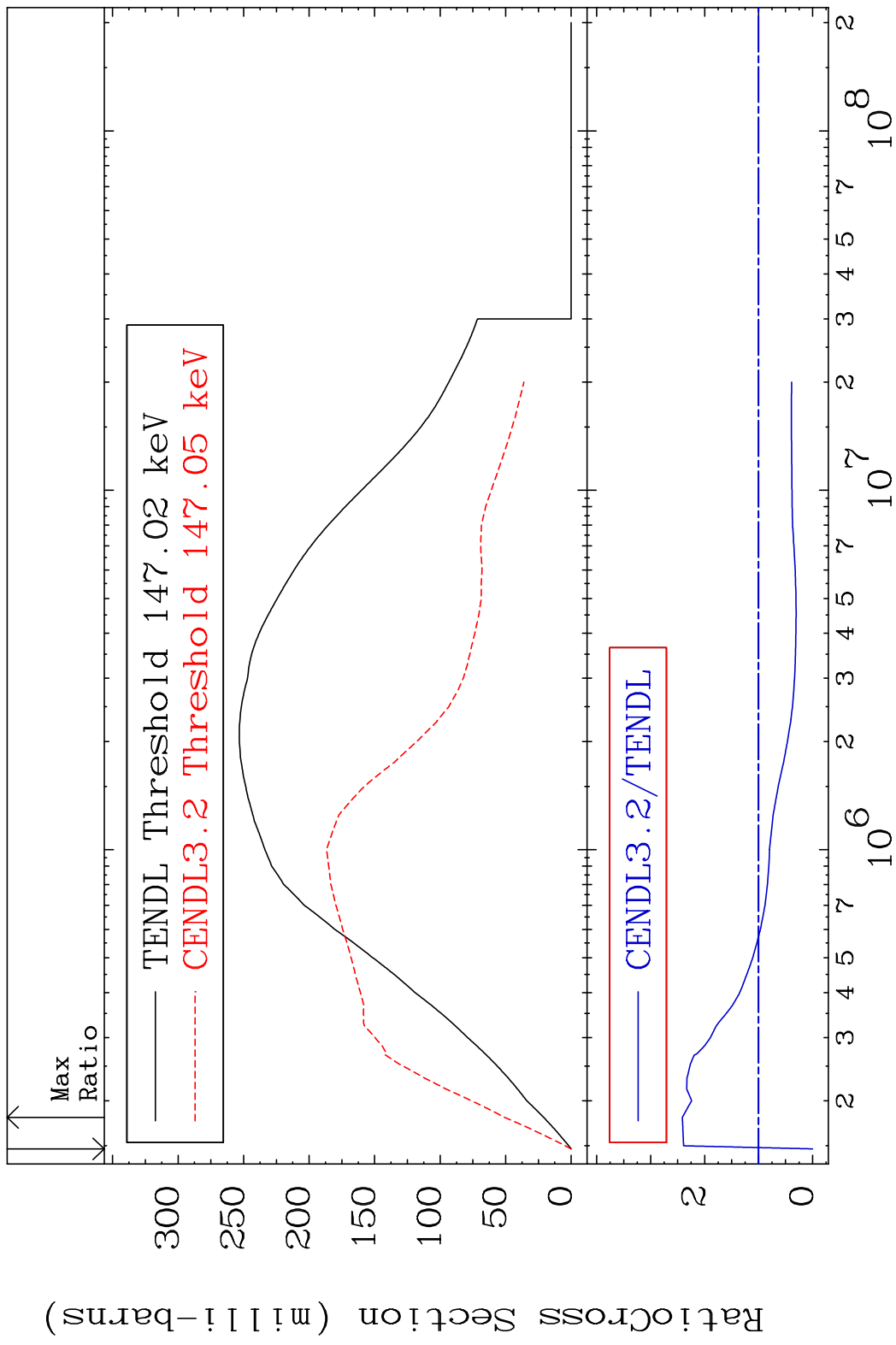
MAT 6434 MT= 55 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



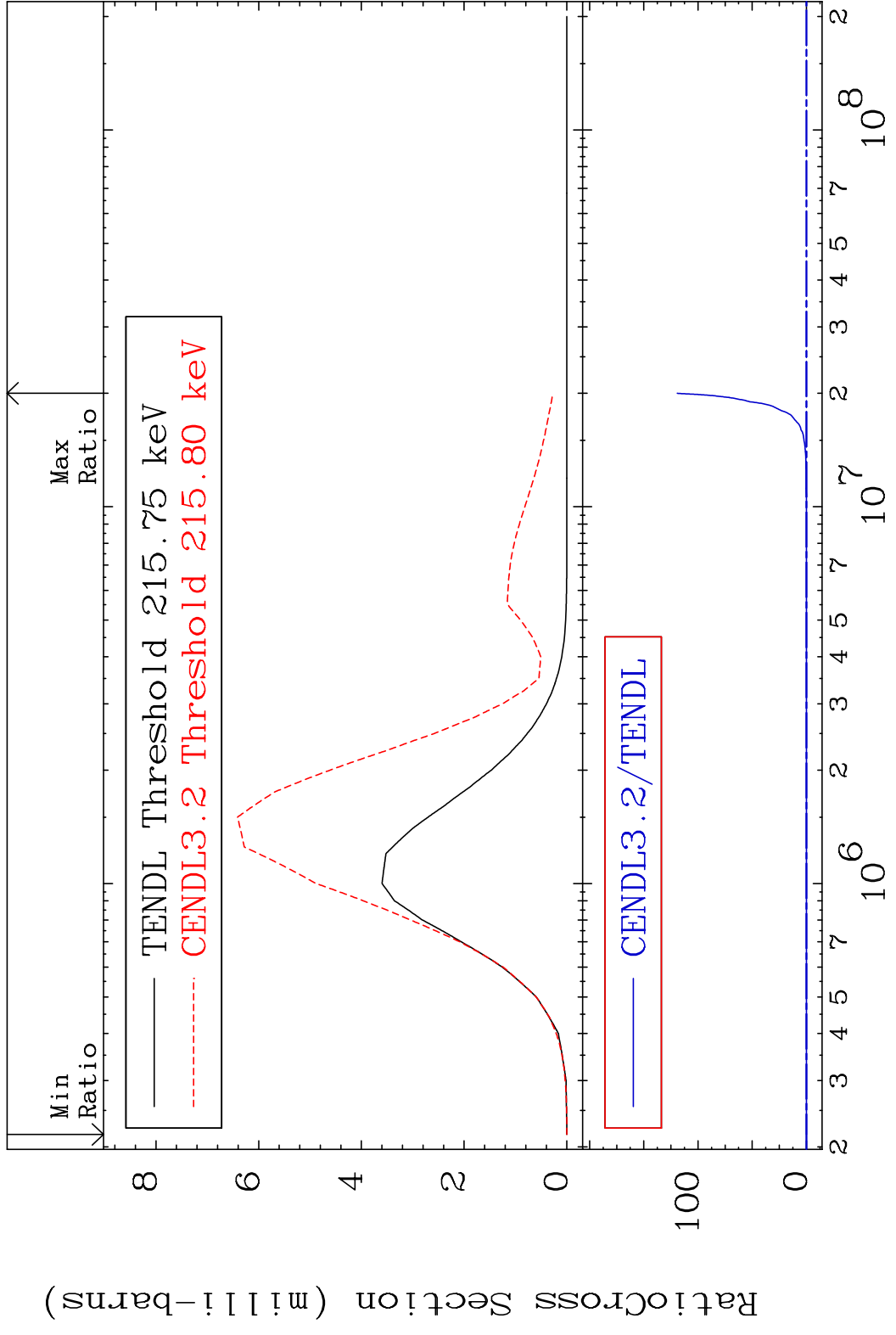
MAT 6434 MT= 56 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



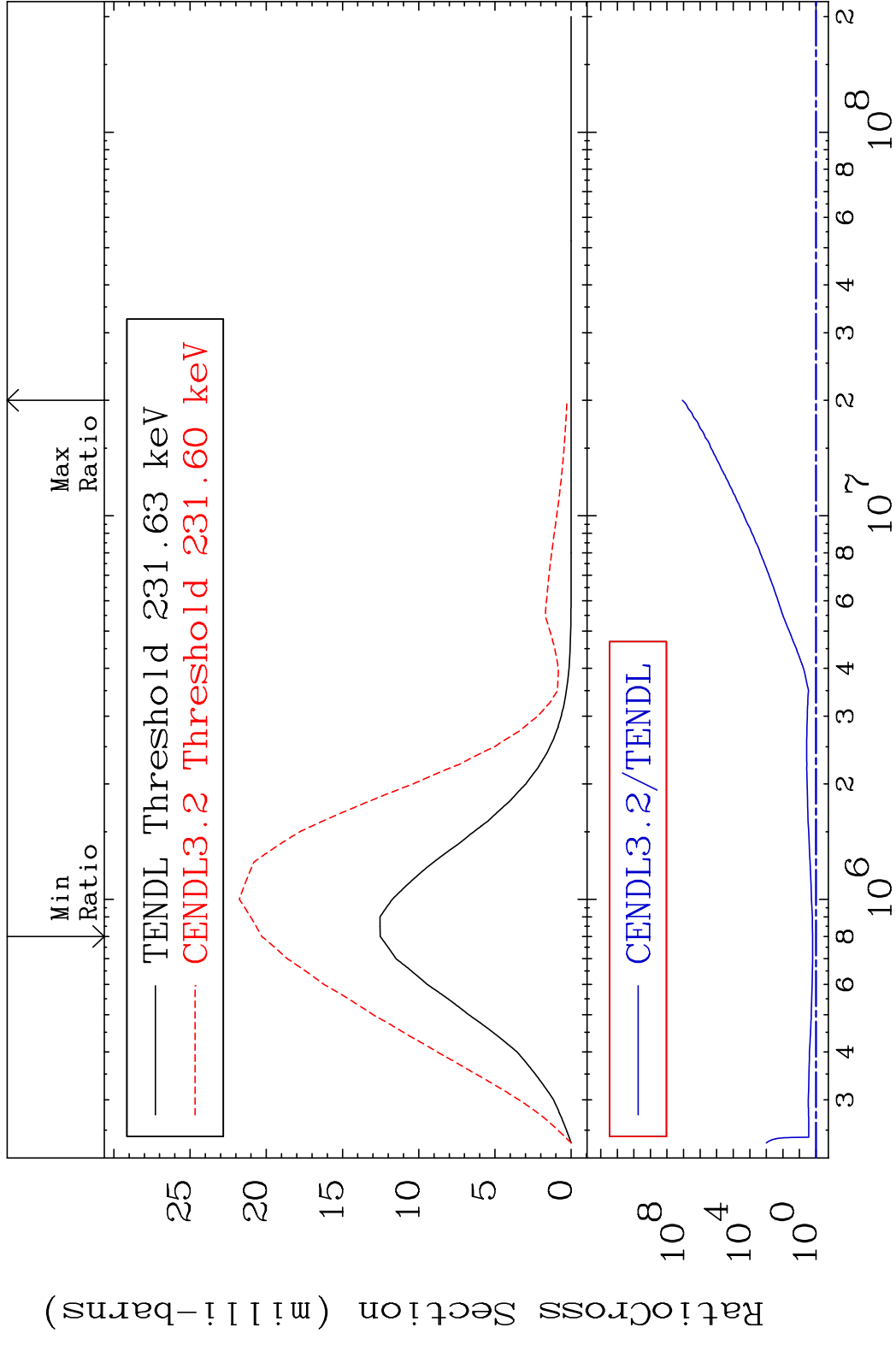
MAT 6434 MT= 57 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 141.3 %



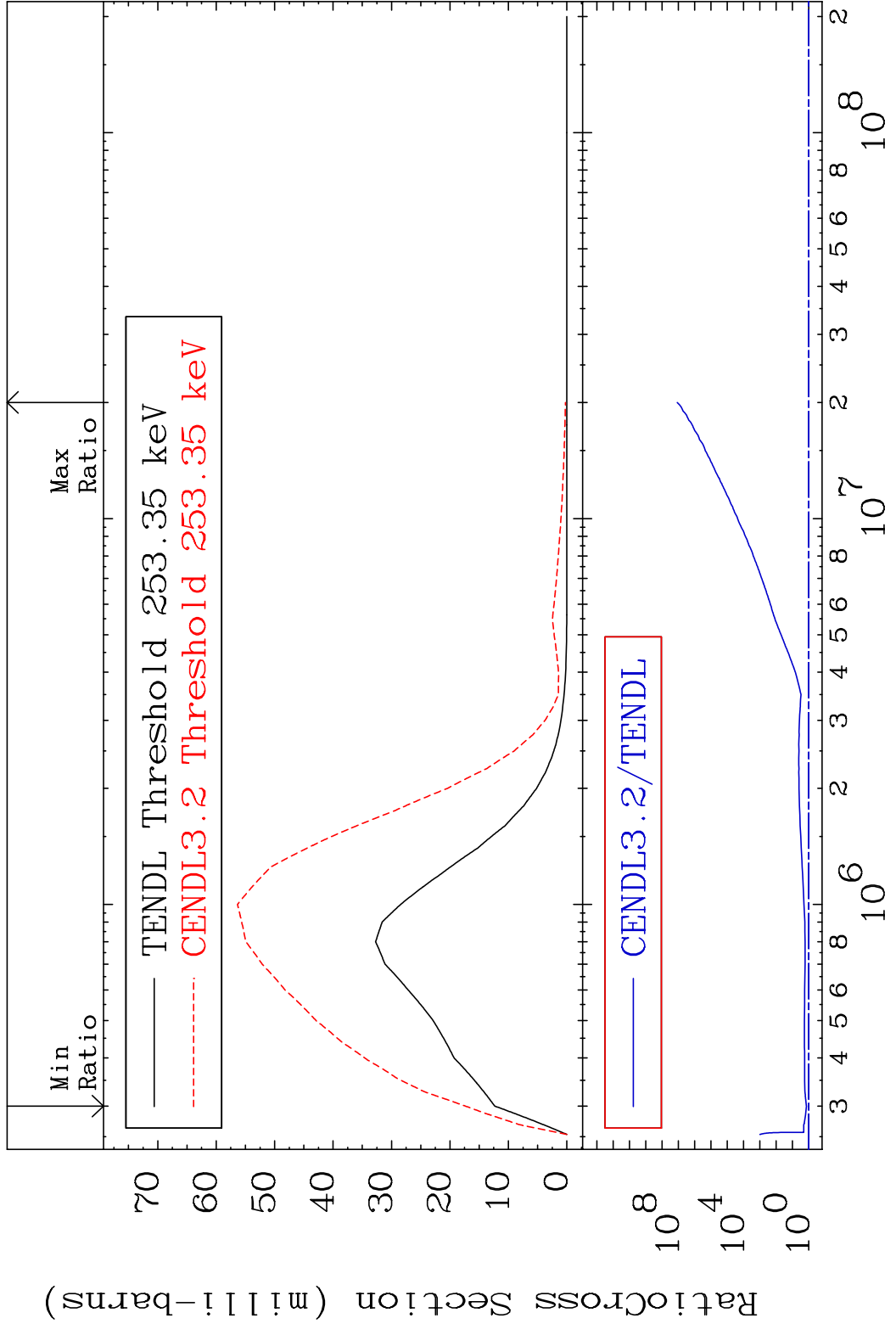
MAT 6434 MT= 58 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



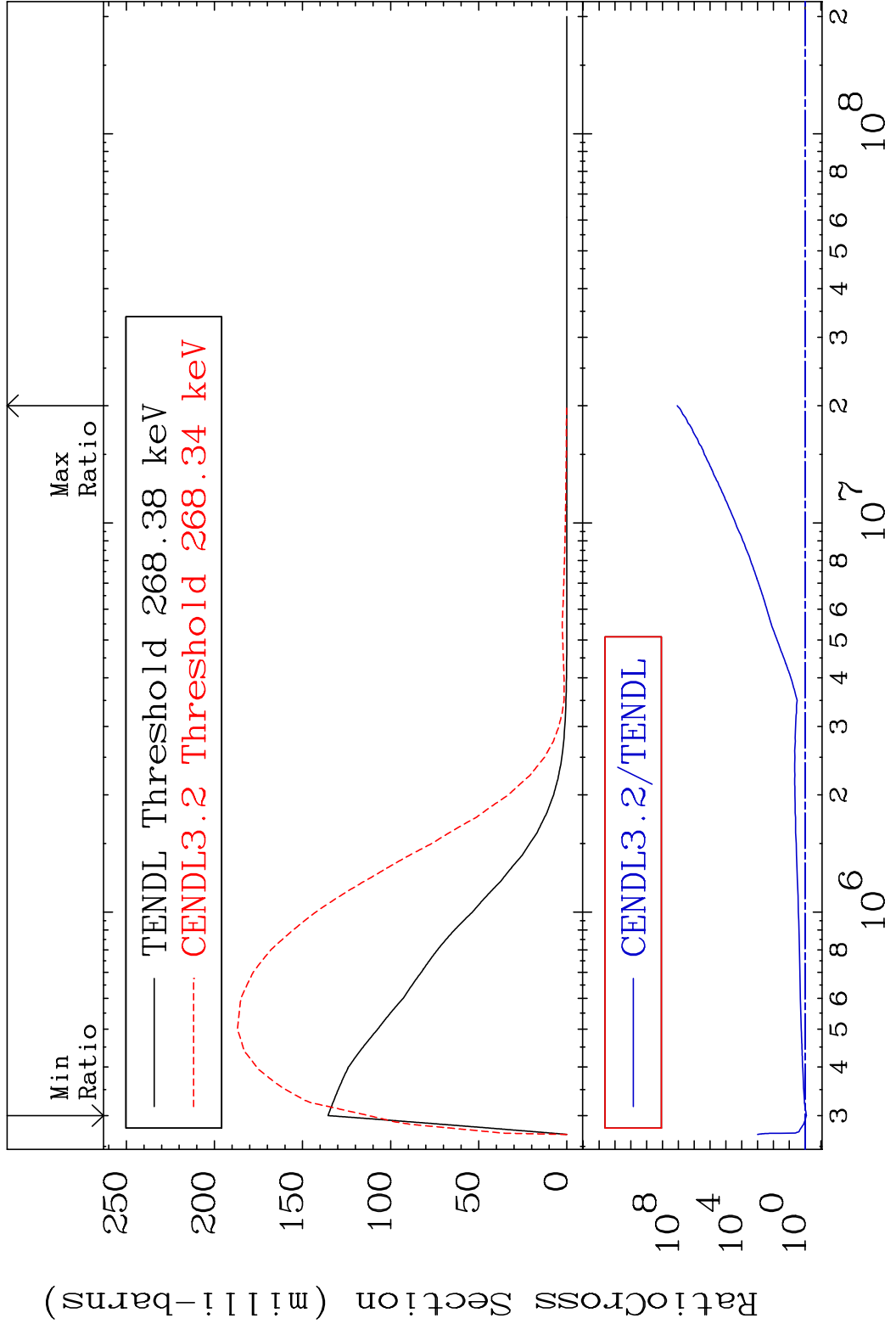
MAT 6434 MT= 59 (n, n') Level 64-Gd-155
 Cross Section 61.98 To 9999. %



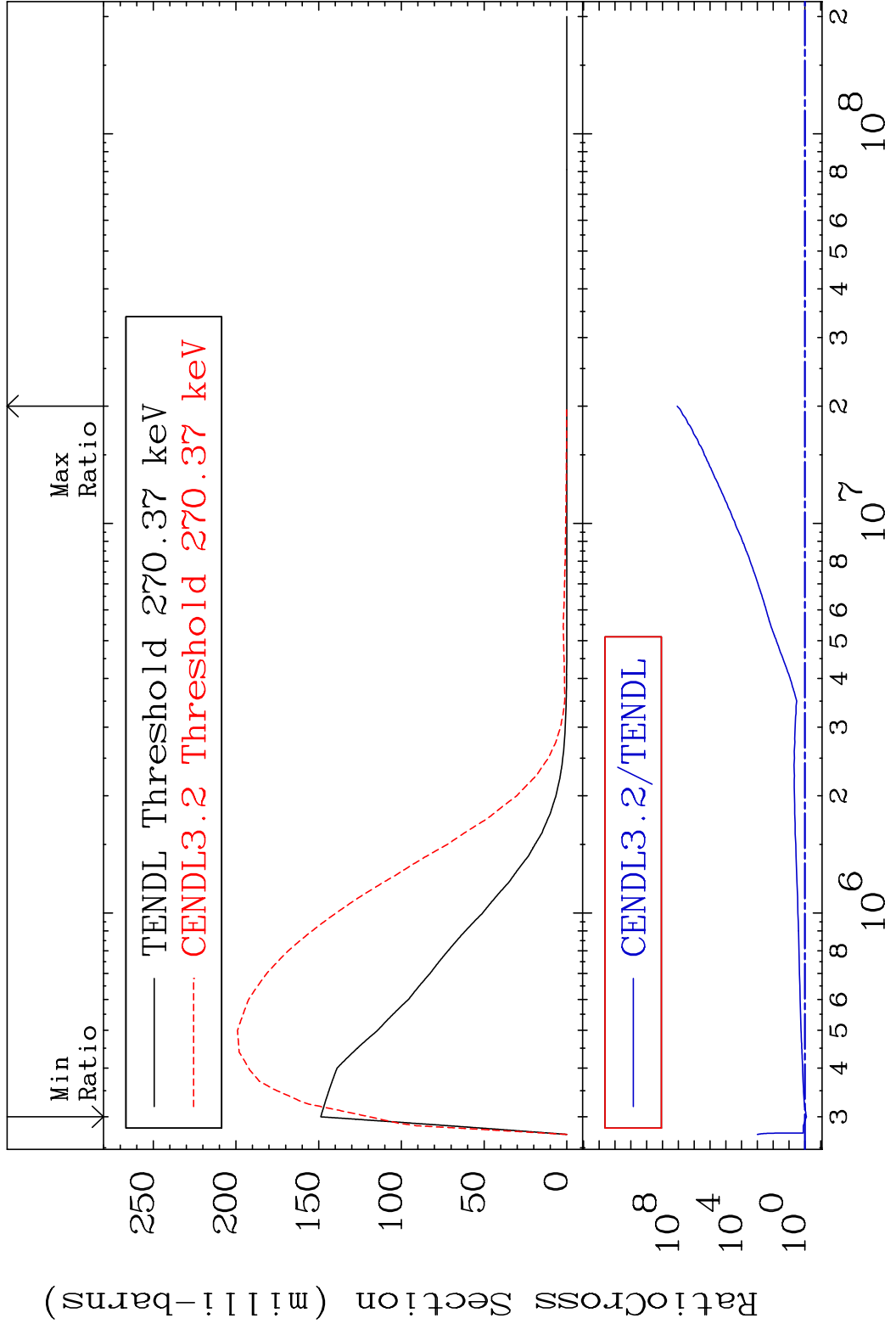
MAT 6434 MT= 60 (n,n') Level 64-Gd-155
 Cross Section 40.61 To 9999. %



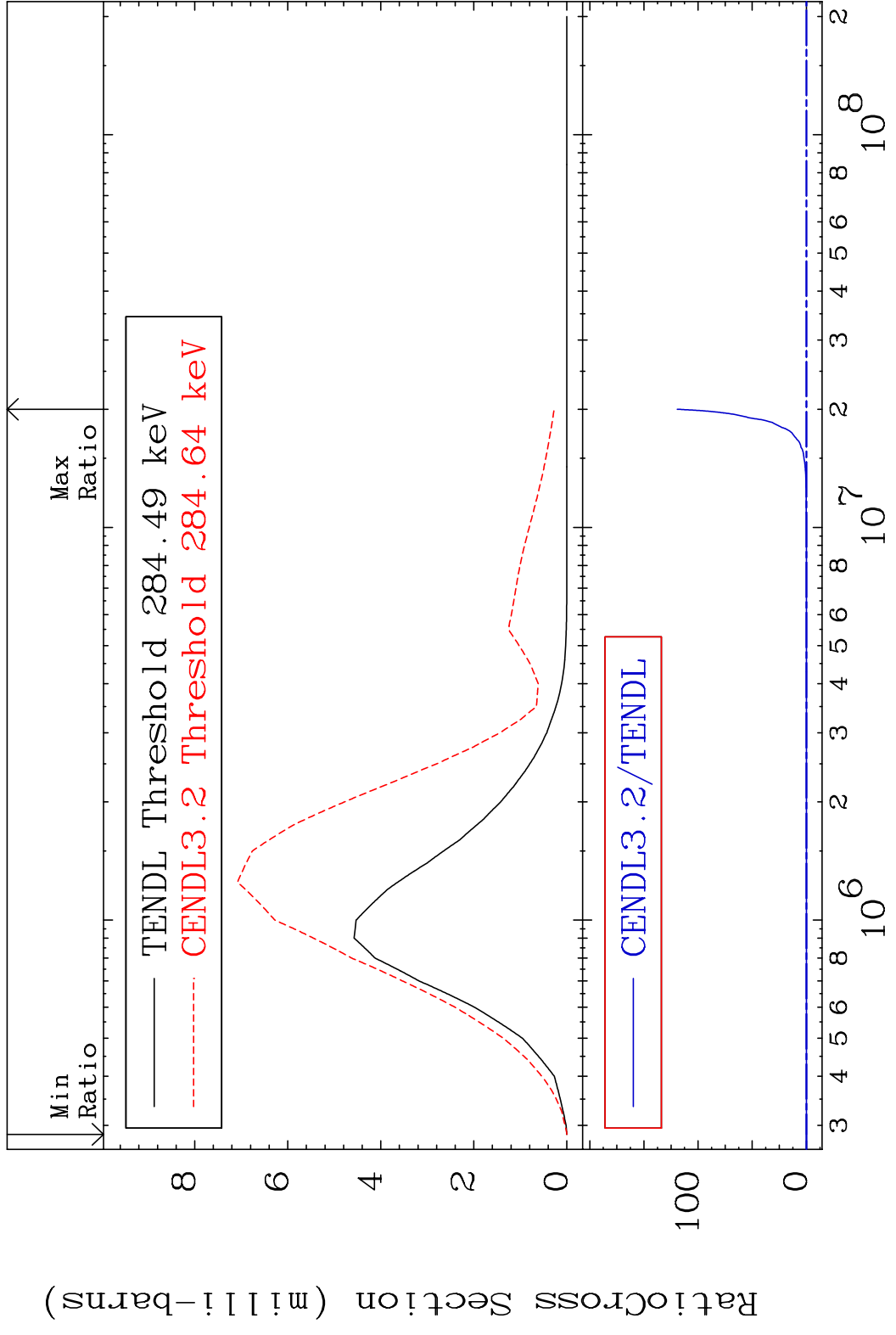
MAT 6434 MT= 61 (n, n') Level 64-Gd-155
 Cross Section -16.94 To 9999. %



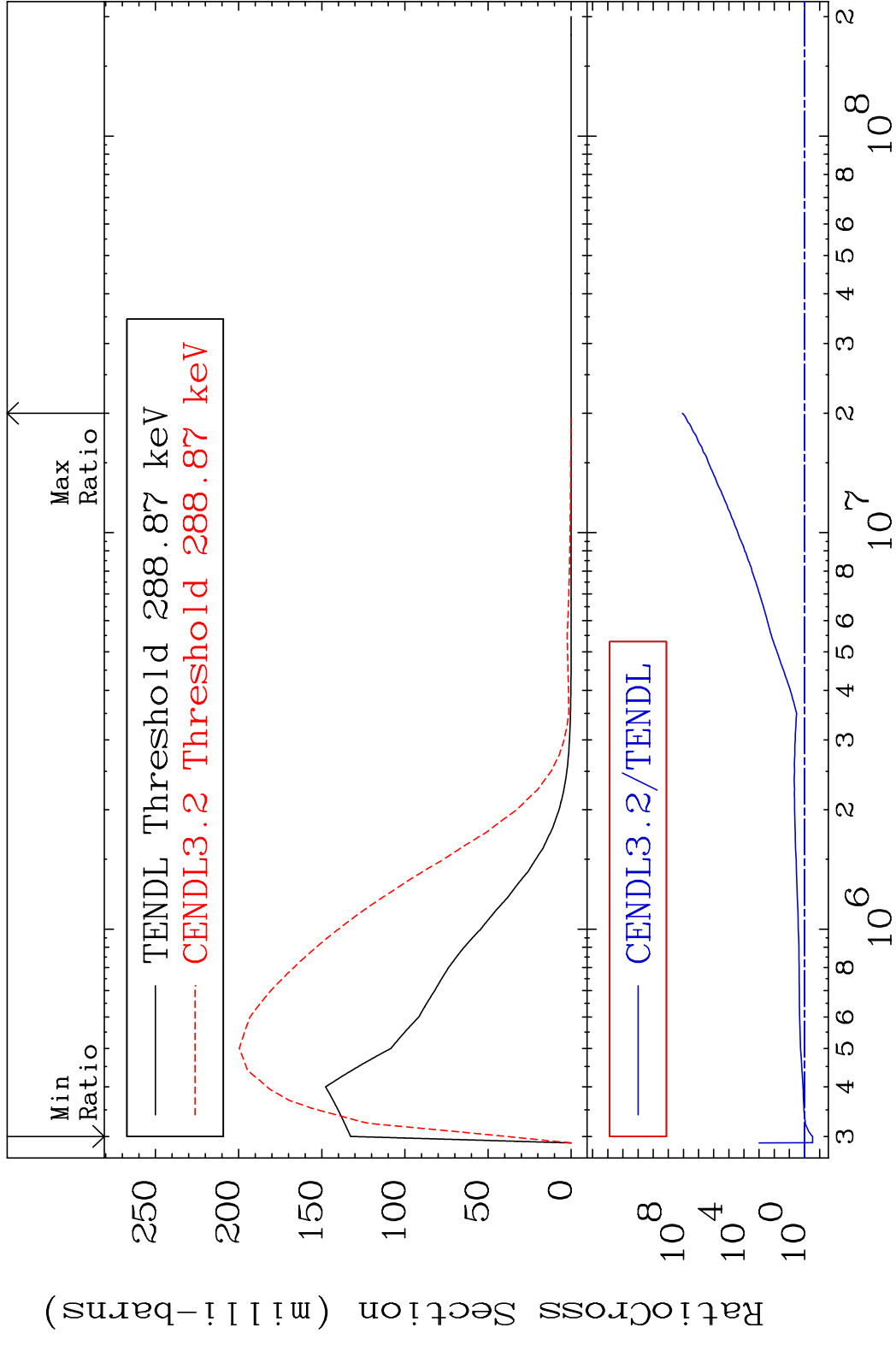
MAT 6434 MT= 62 (n,n') Level 64-Gd-155
 Cross Section -19.81 To 9999. %



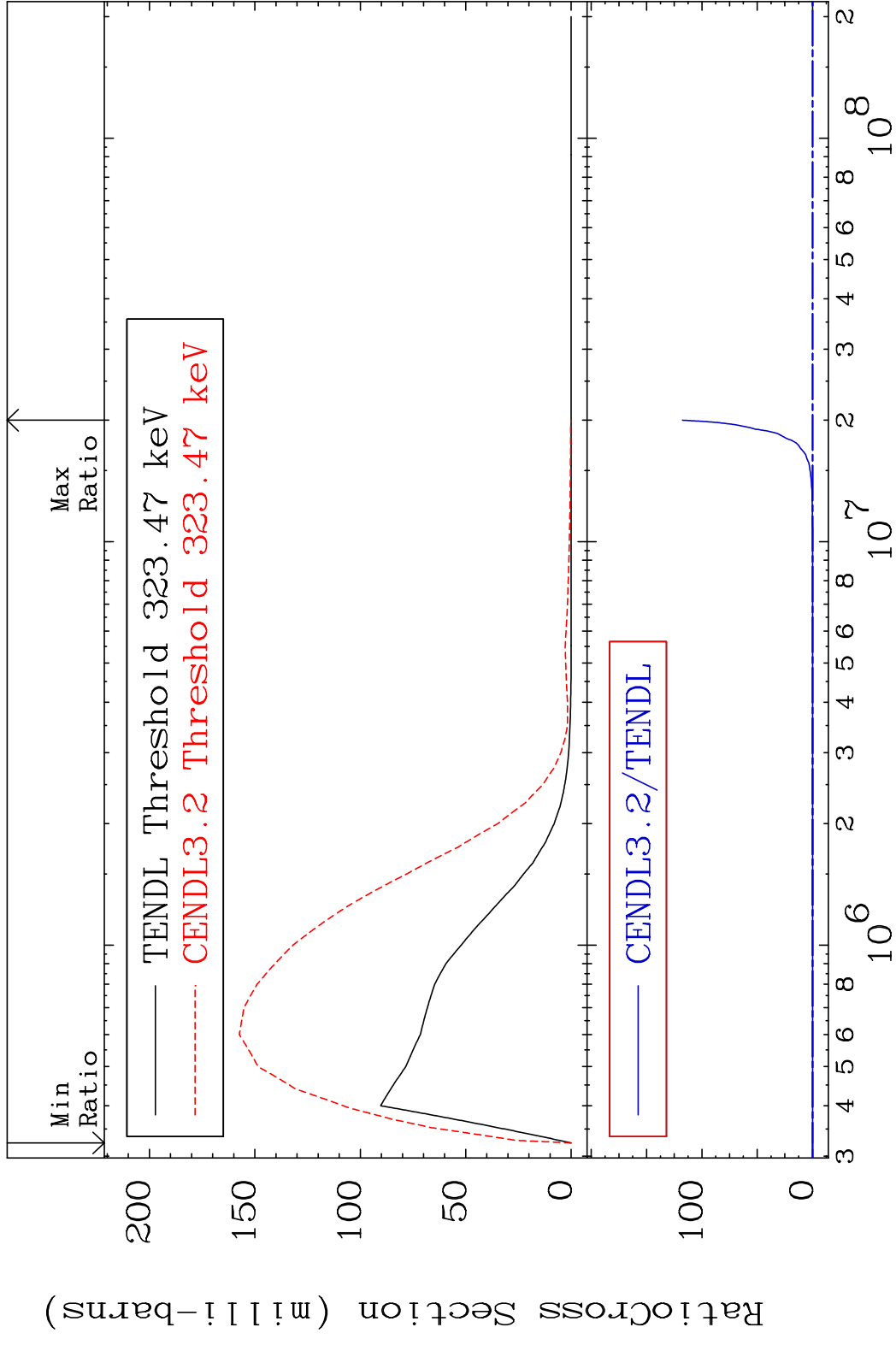
MAT 6434 MT= 63 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



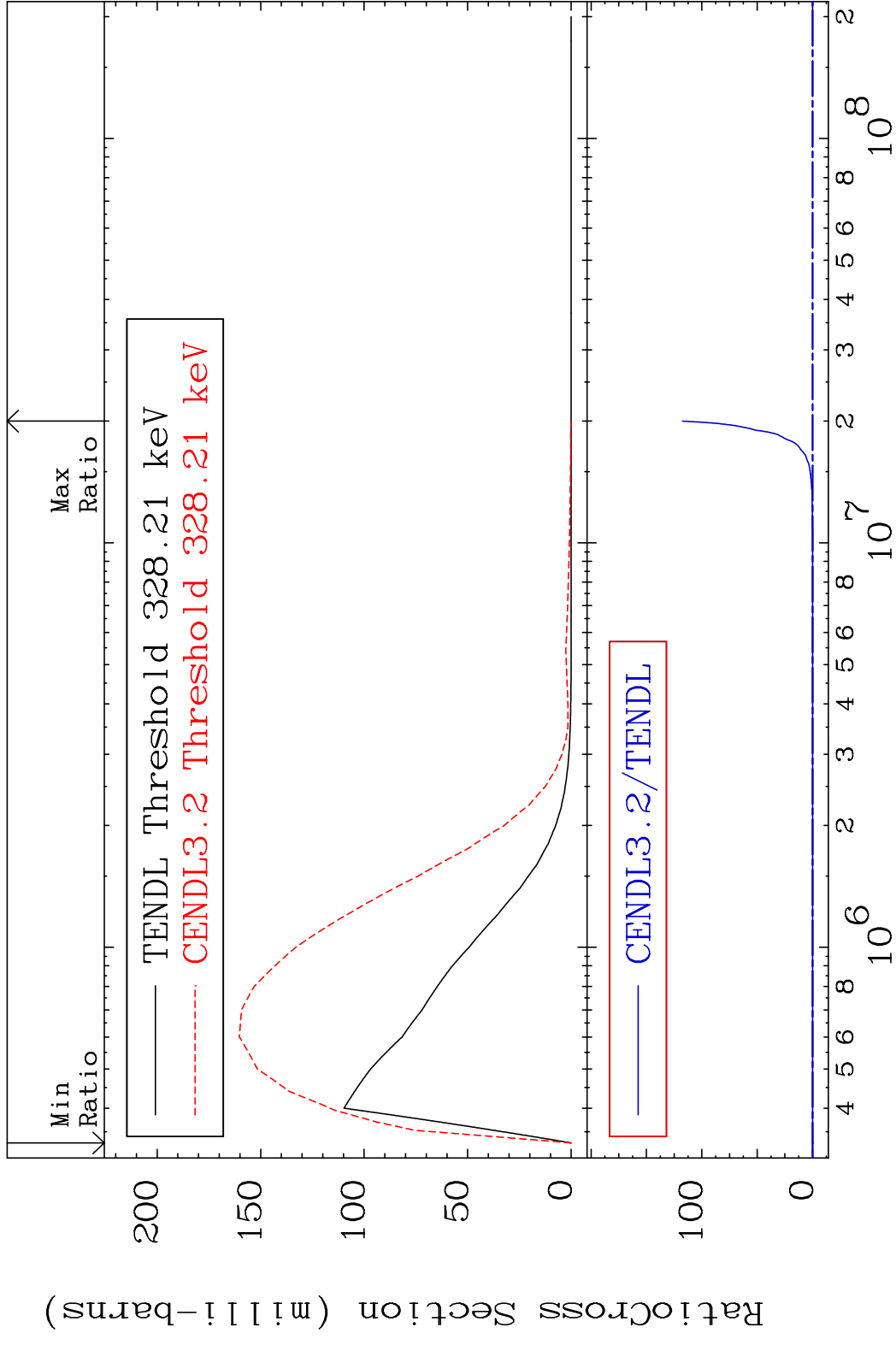
MAT 6434 MT= 64 (n, n') Level 64-Gd-155
 Cross Section -70.52 To 9999. %



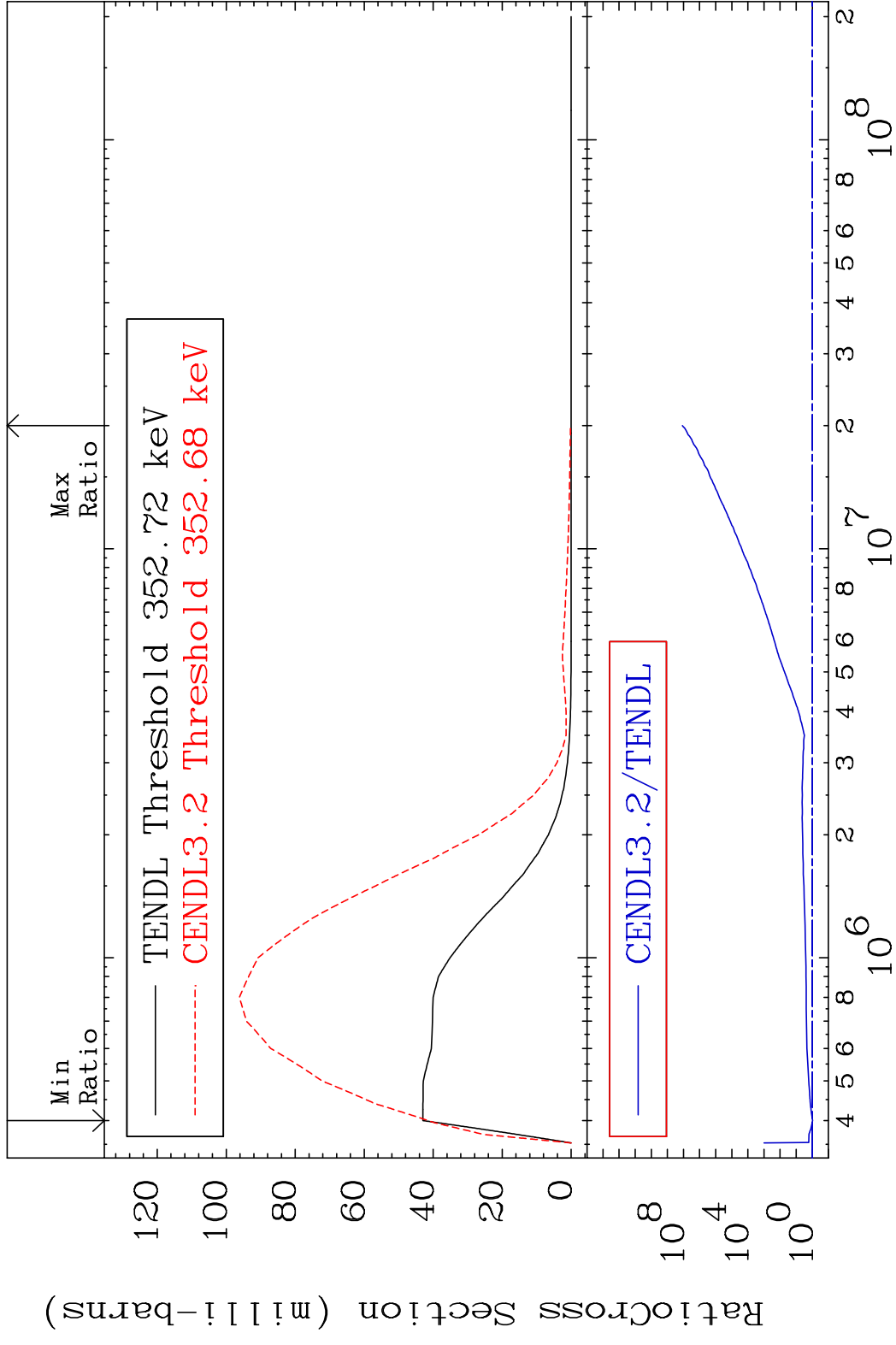
MAT 6434 MT= 65 (n, n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



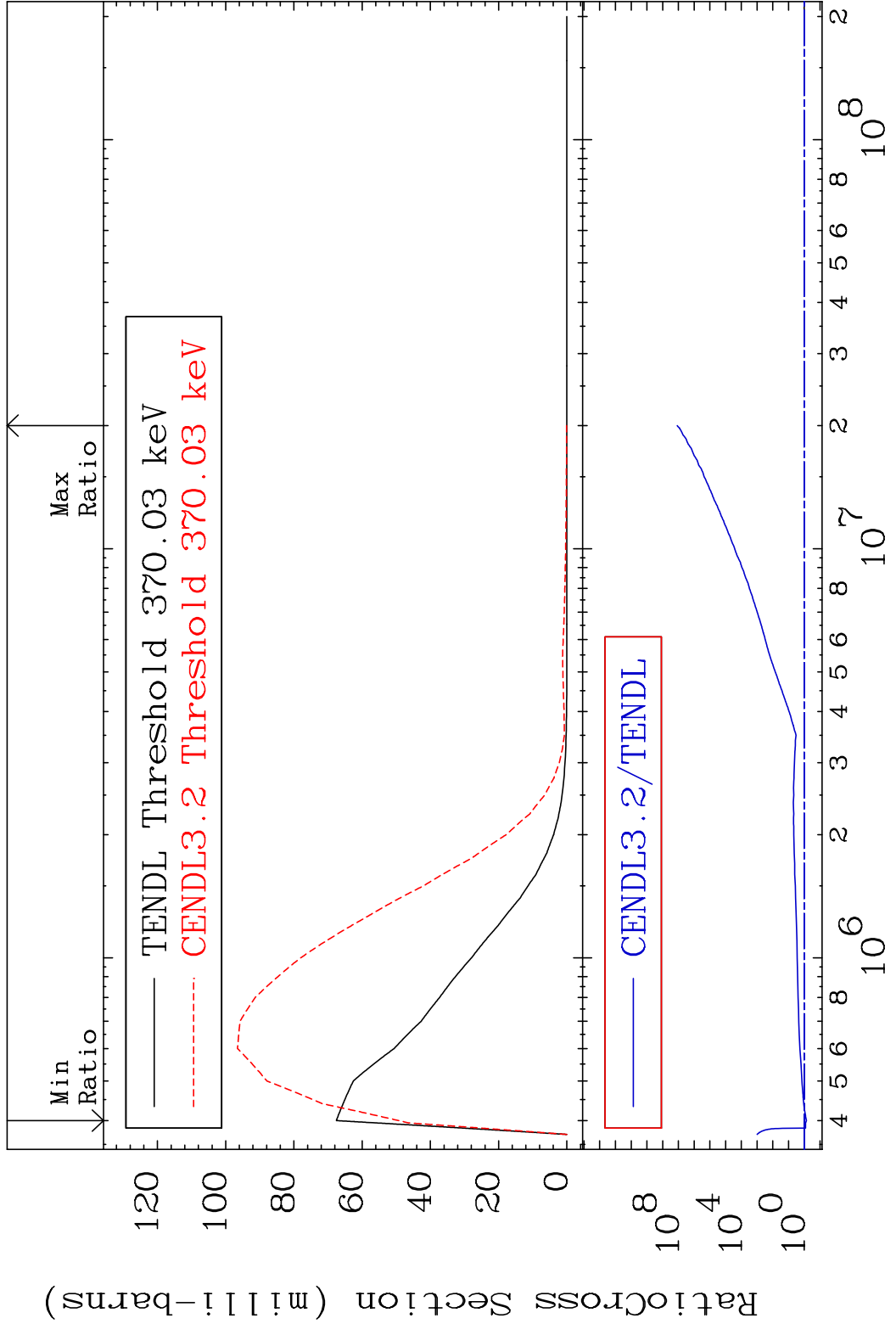
MAT 6434 MT= 66 (n, n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



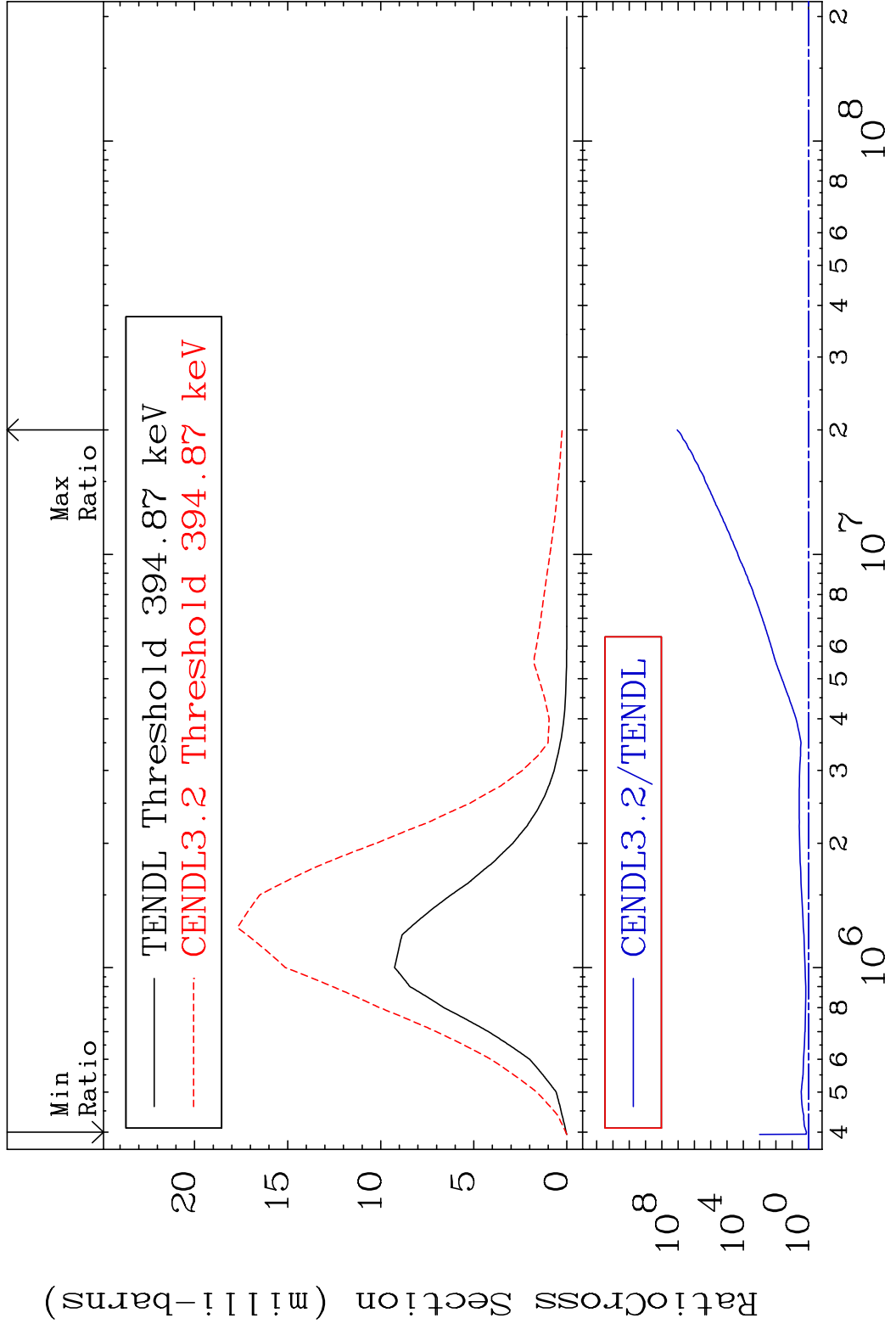
MAT 6434 MT= 67 (n, n') Level 64-Gd-155
 Cross Section -3.560 To 9999. %



MAT 6434 MT= 68 (n,n') Level 64-Gd-155
 Cross Section -27.06 To 9999. %



MAT 6434 MT= 69 (n, n') Level 64-Gd-155
 Cross Section 36.09 To 9999. %

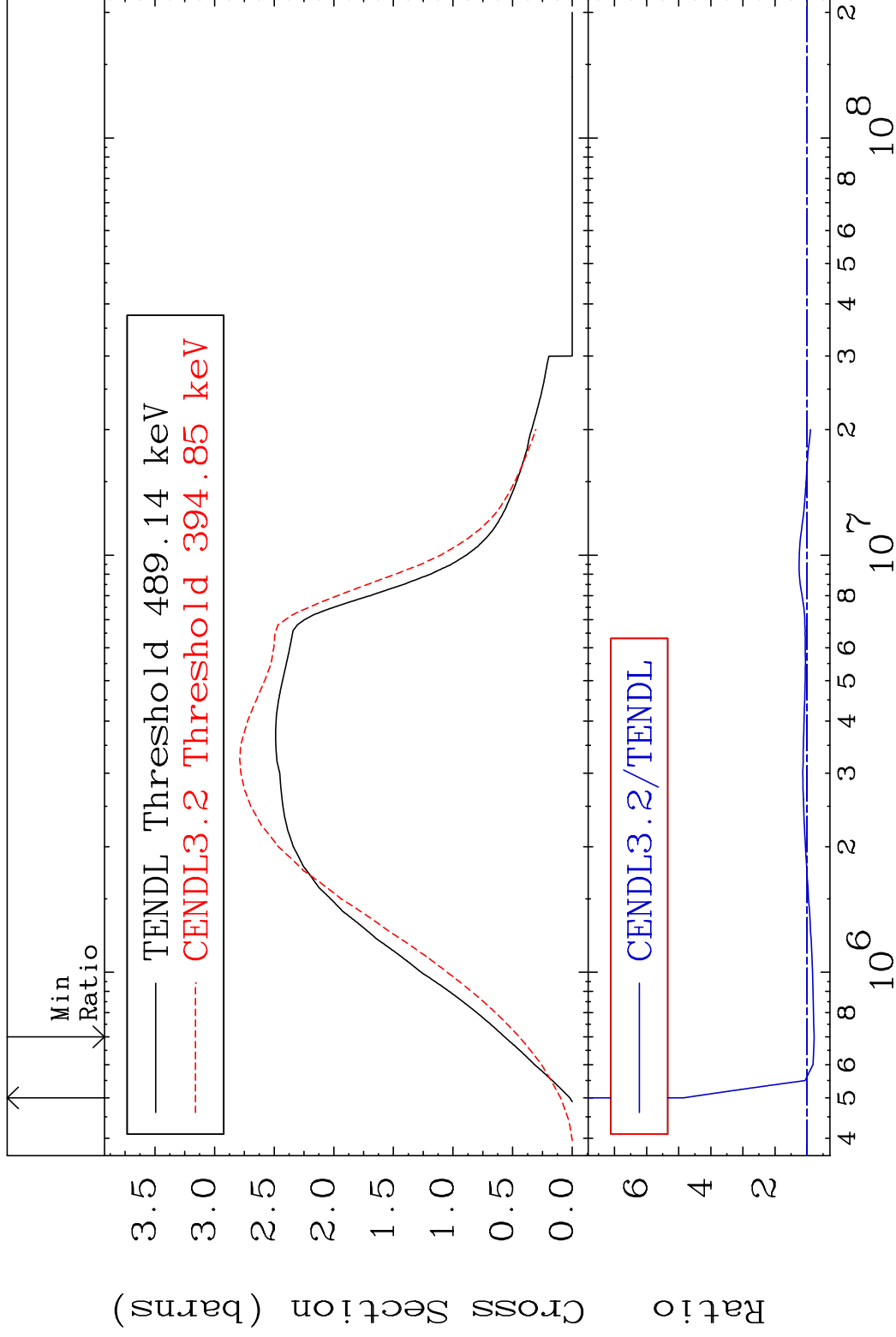


MAT 6434

(n, n') Continuum

64-Gd-155

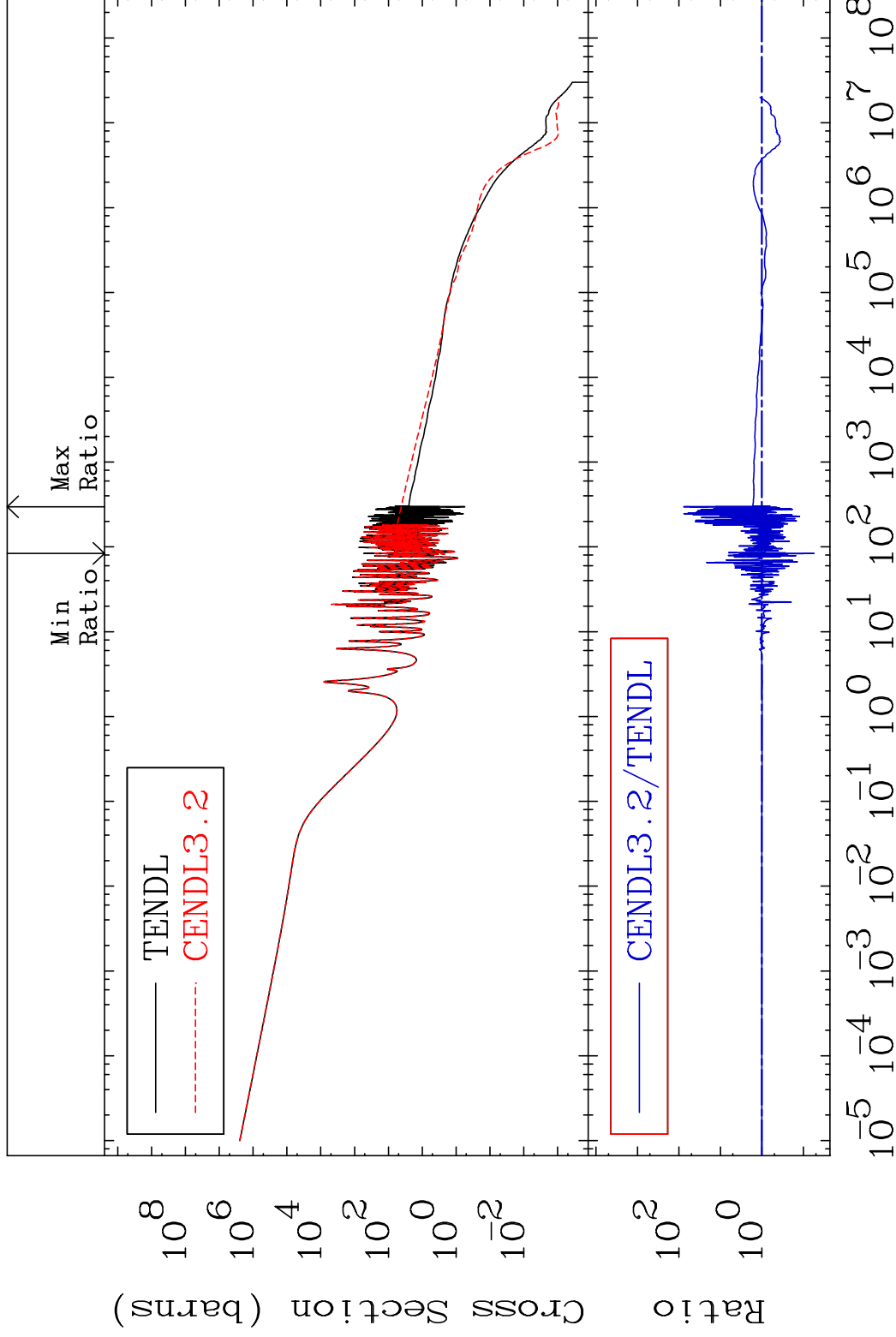
Cross Section -21.77 To 384.6 %



MAT 6434

(n, γ)
Cross Section -94.48 To 7593. %

64-Gd-155



28

Incident Energy (eV)

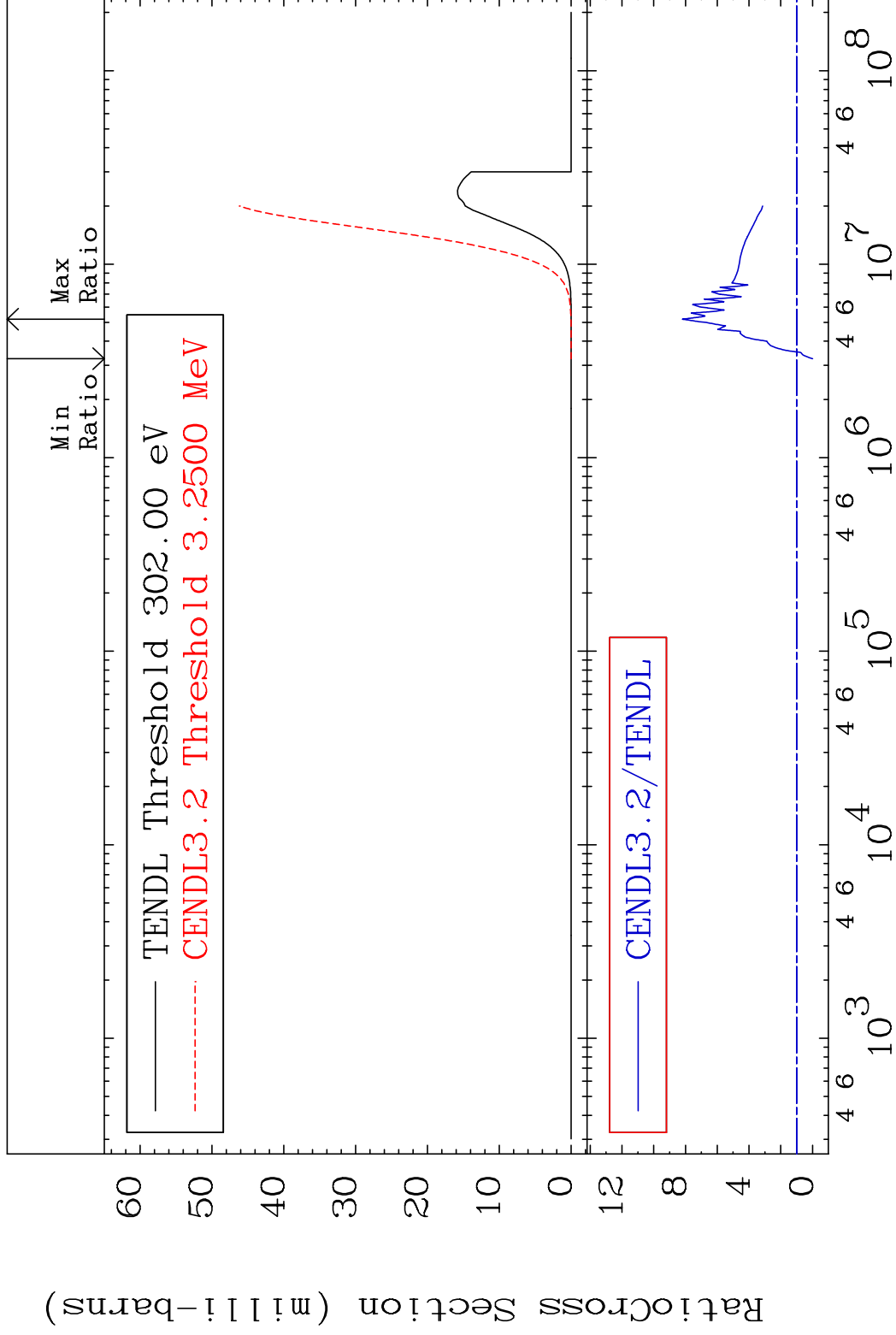
64-Gd-155

MAT 6434

(n, p)

64-Gd-155

Cross Section -100.0 To 719.6 %

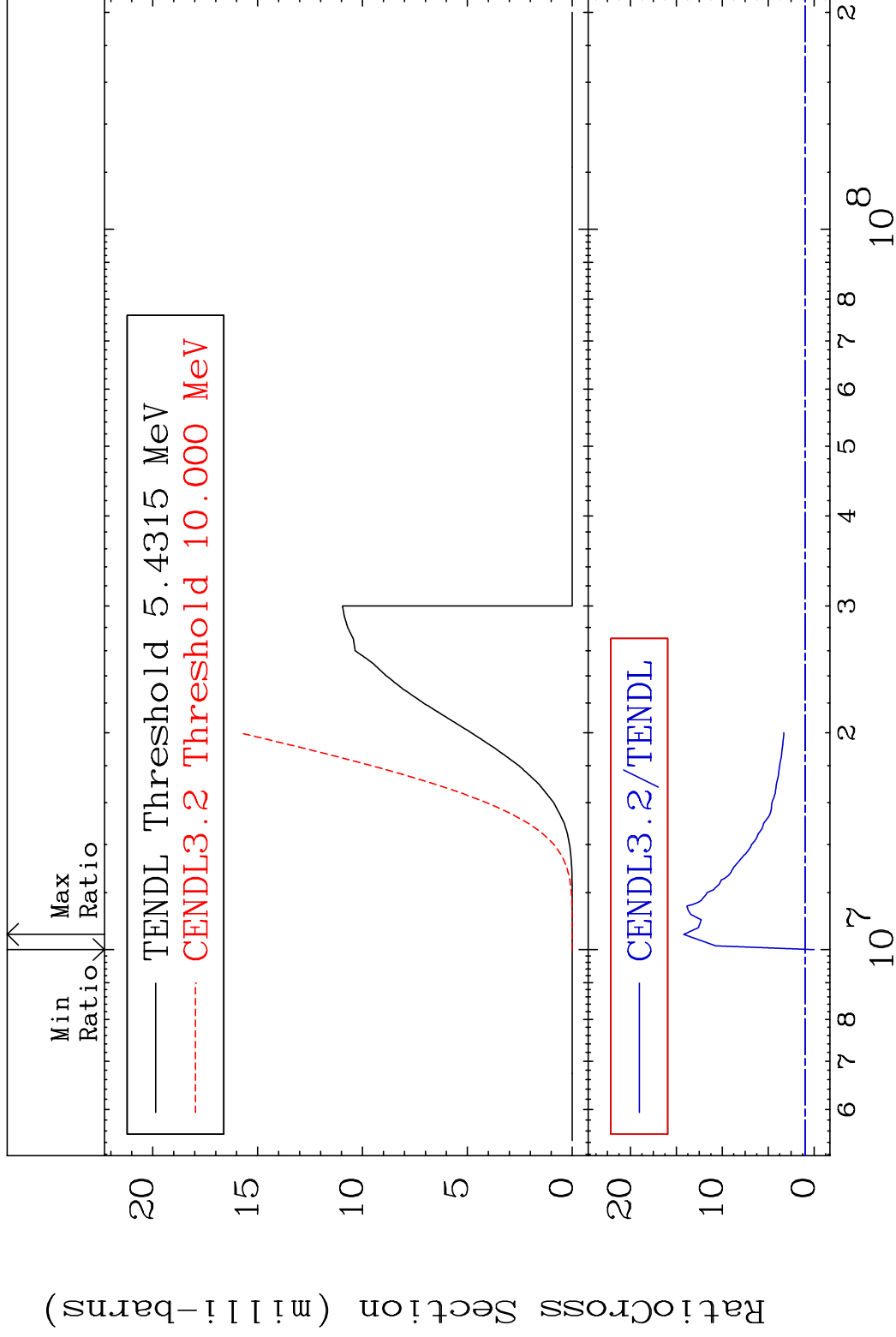


MAT 6434

(n, d)

64-Gd-155

Cross Section -100.0 To 1320. %



30

Incident Energy (eV)

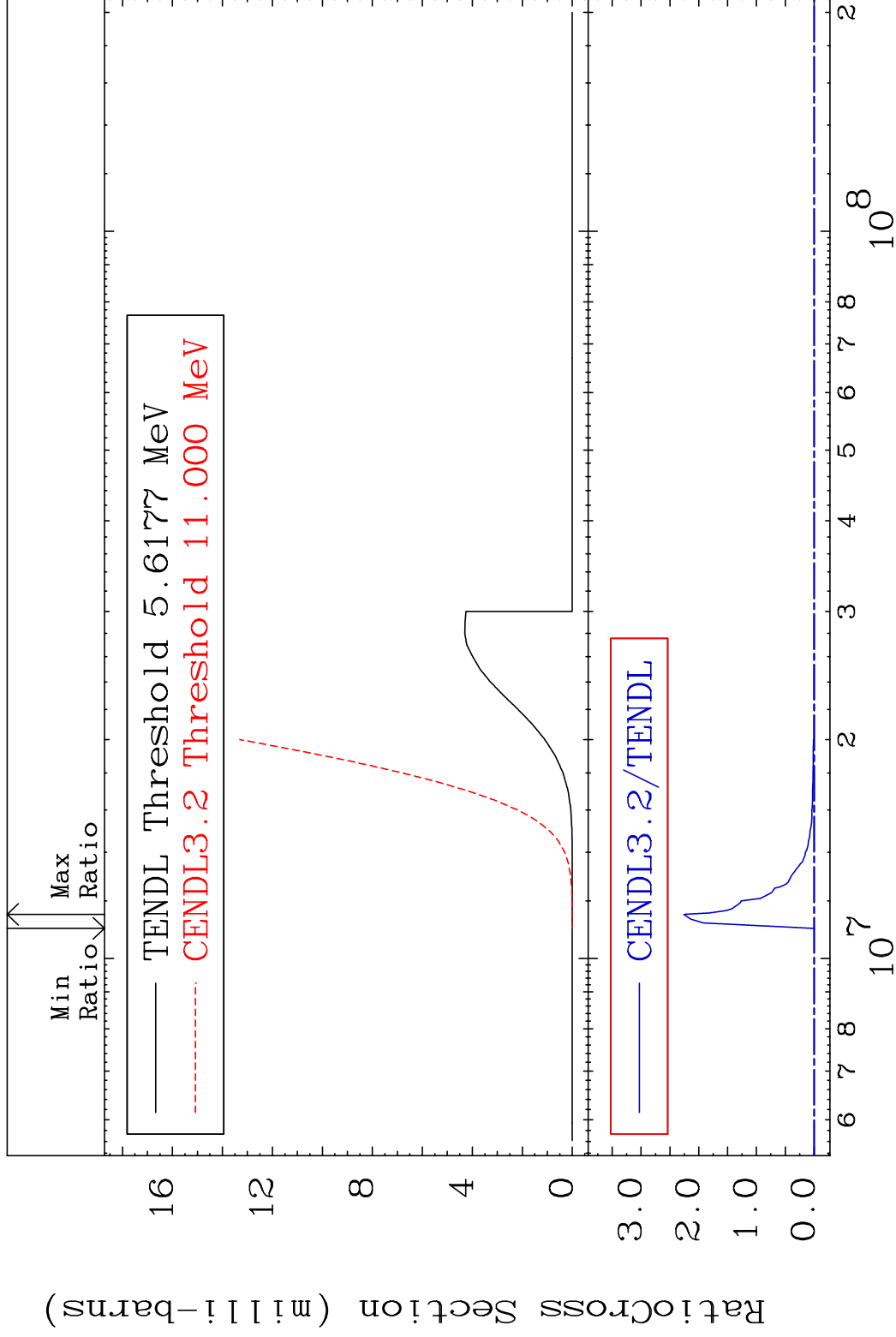
64-Gd-155

MAT 6434

(n, t)

64-Gd-155

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

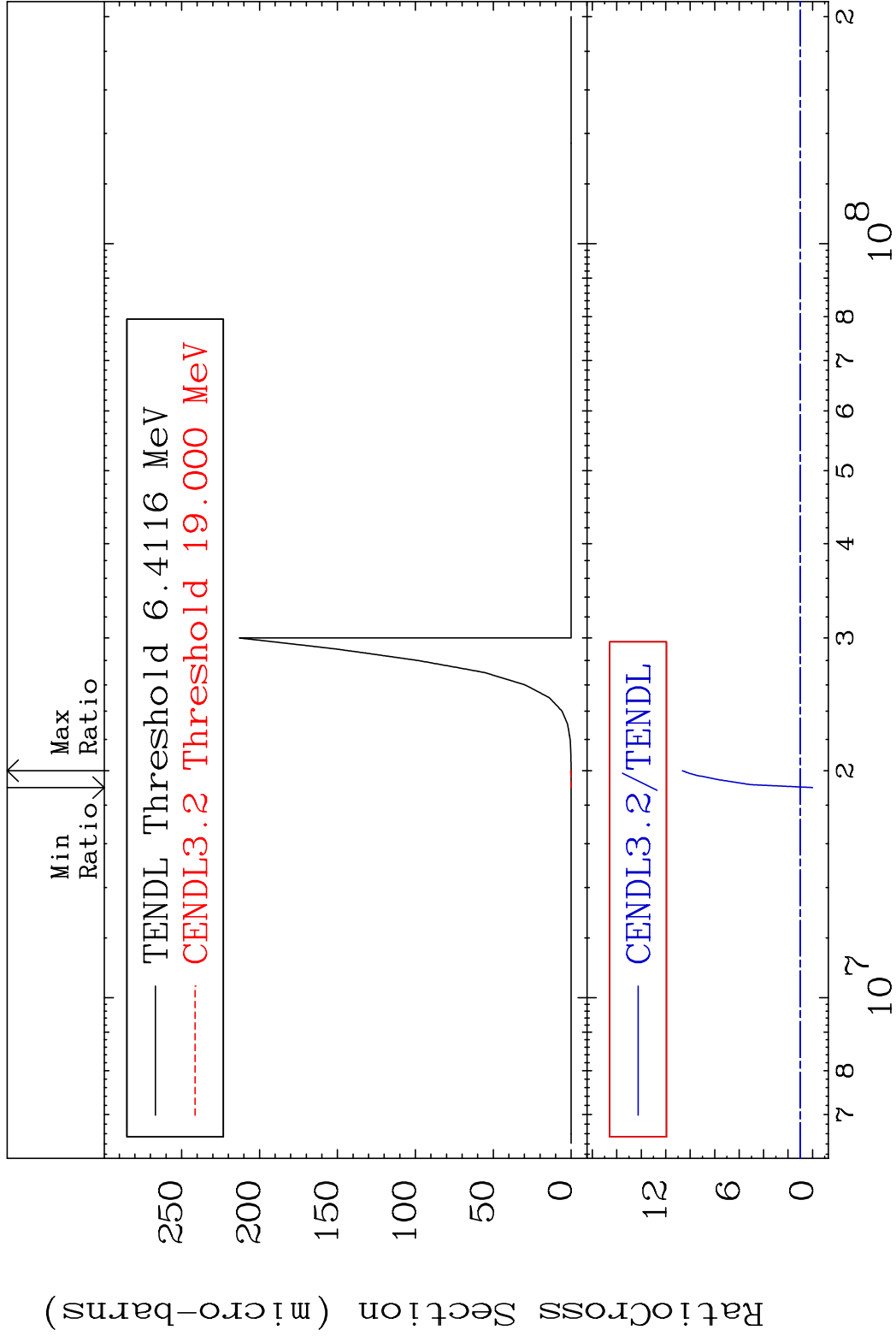
64-Gd-155

MAT 6434

(n, He-3)

64-Gd-155

Cross Section -100.0 To 964.1 %



32

Incident Energy (eV)

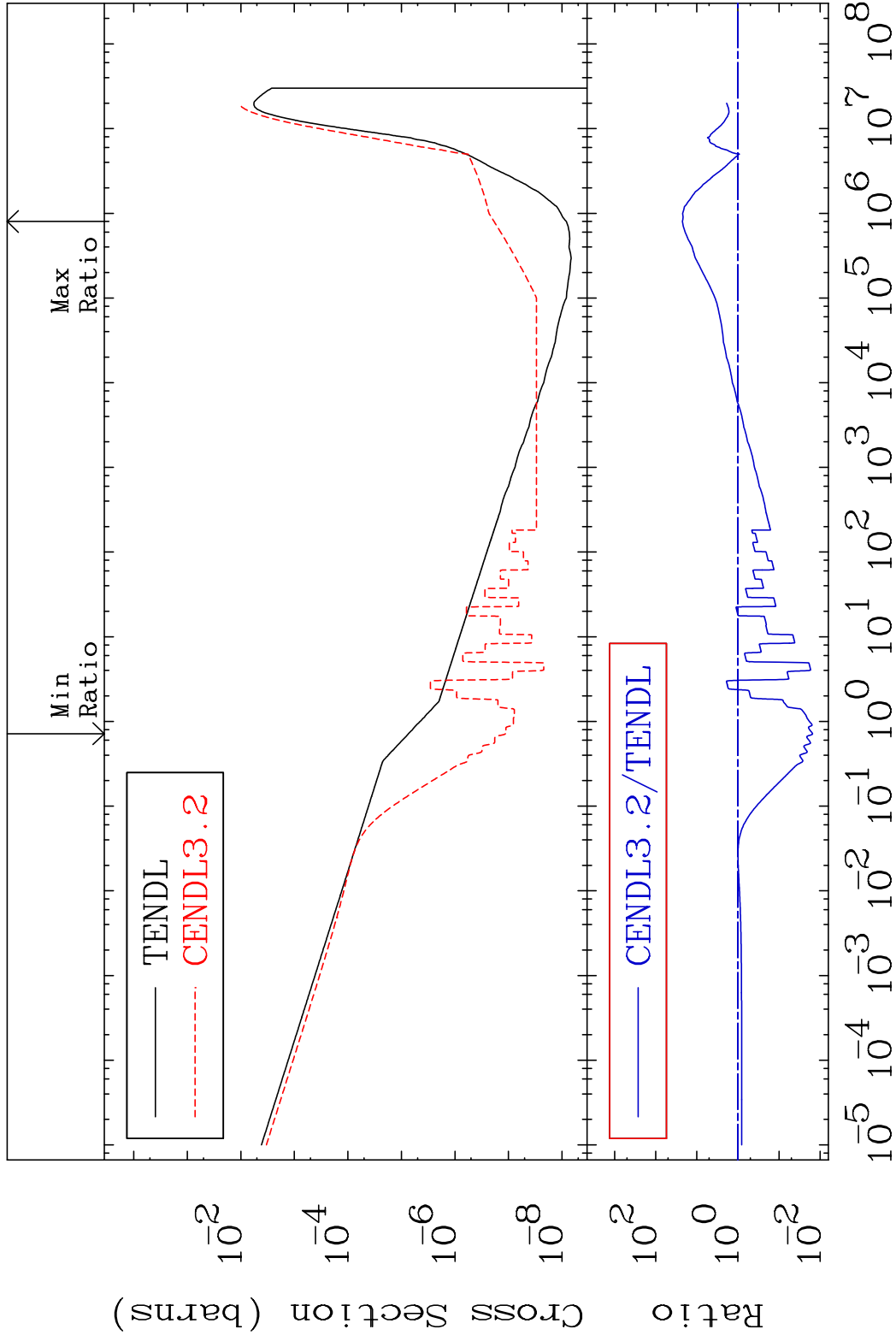
64-Gd-155

MAT 6434

(n, α)

64-Gd-155

Cross Section -98.47 To 2144. %

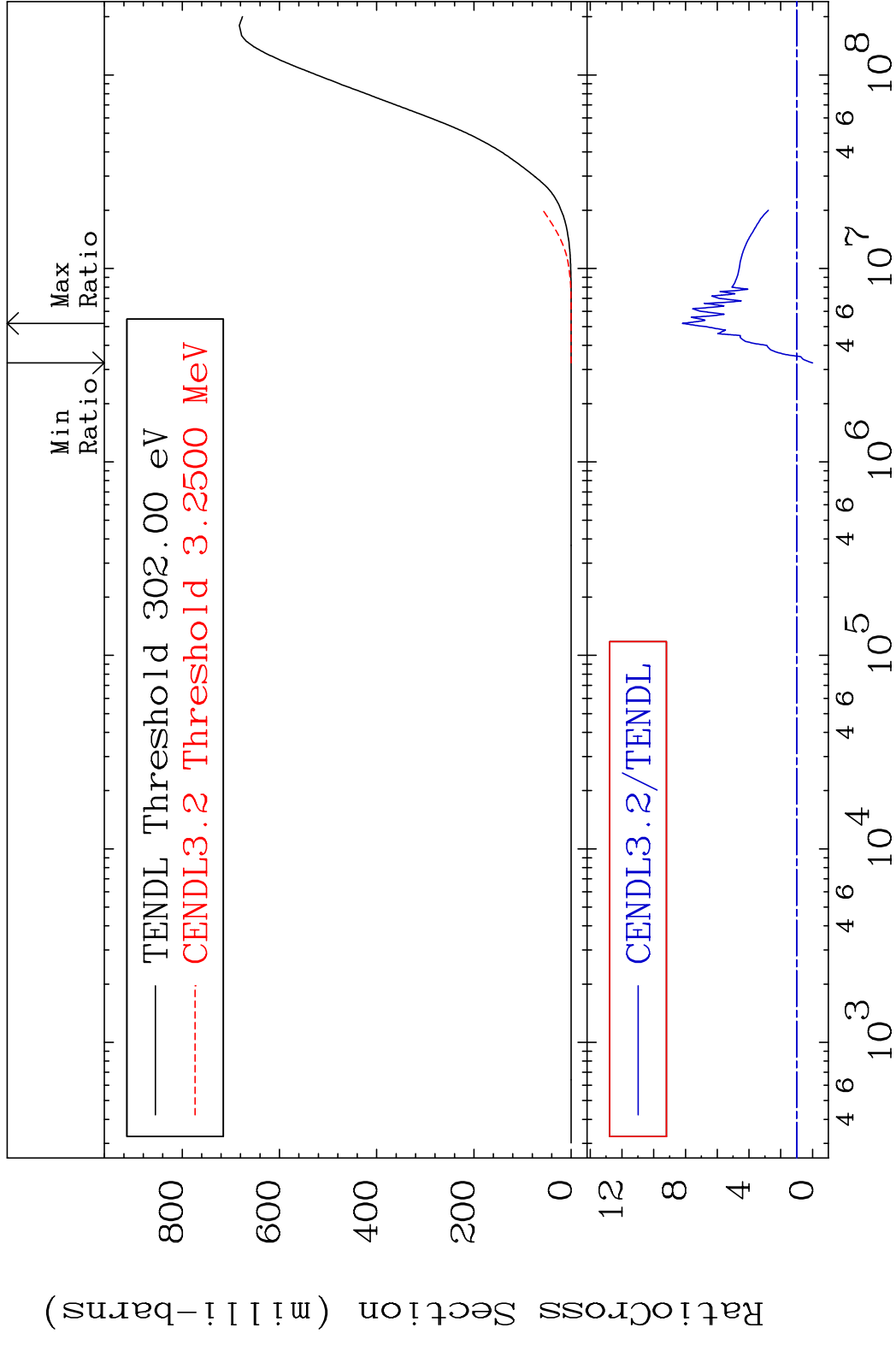


33

Incident Energy (eV)

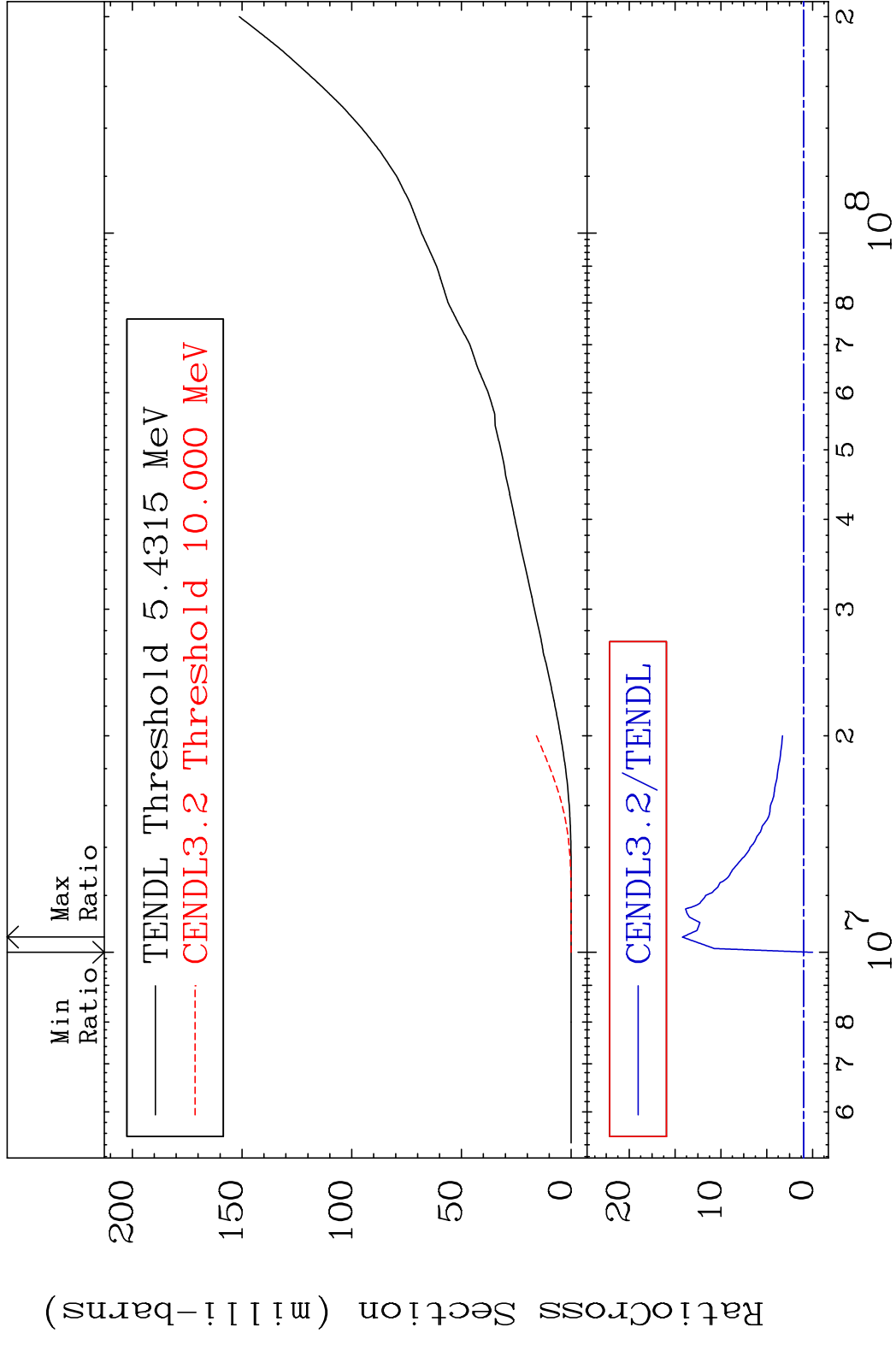
64-Gd-155

MAT 6434 Hydrogen Production 64-Gd-155
 Cross Section -100.0 To 719.6 %



MAT 6434

Deuterium Production 64-Gd-155
Cross Section -100.0 To 1320. %



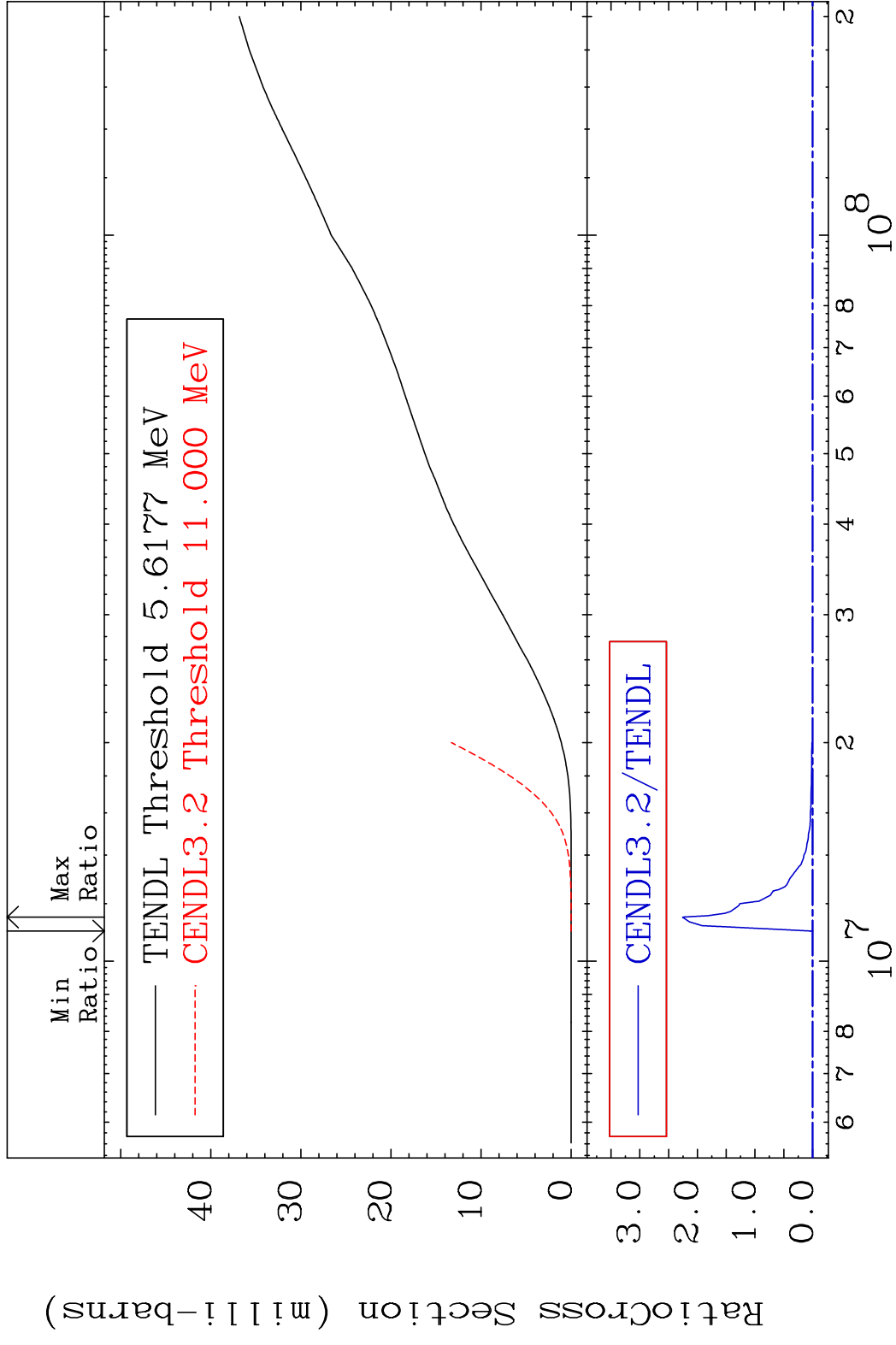
35

Incident Energy (eV)

64-Gd-155

MAT 6434

Tritium Production 64-Gd-155
Cross Section -100.0 To 9999. %

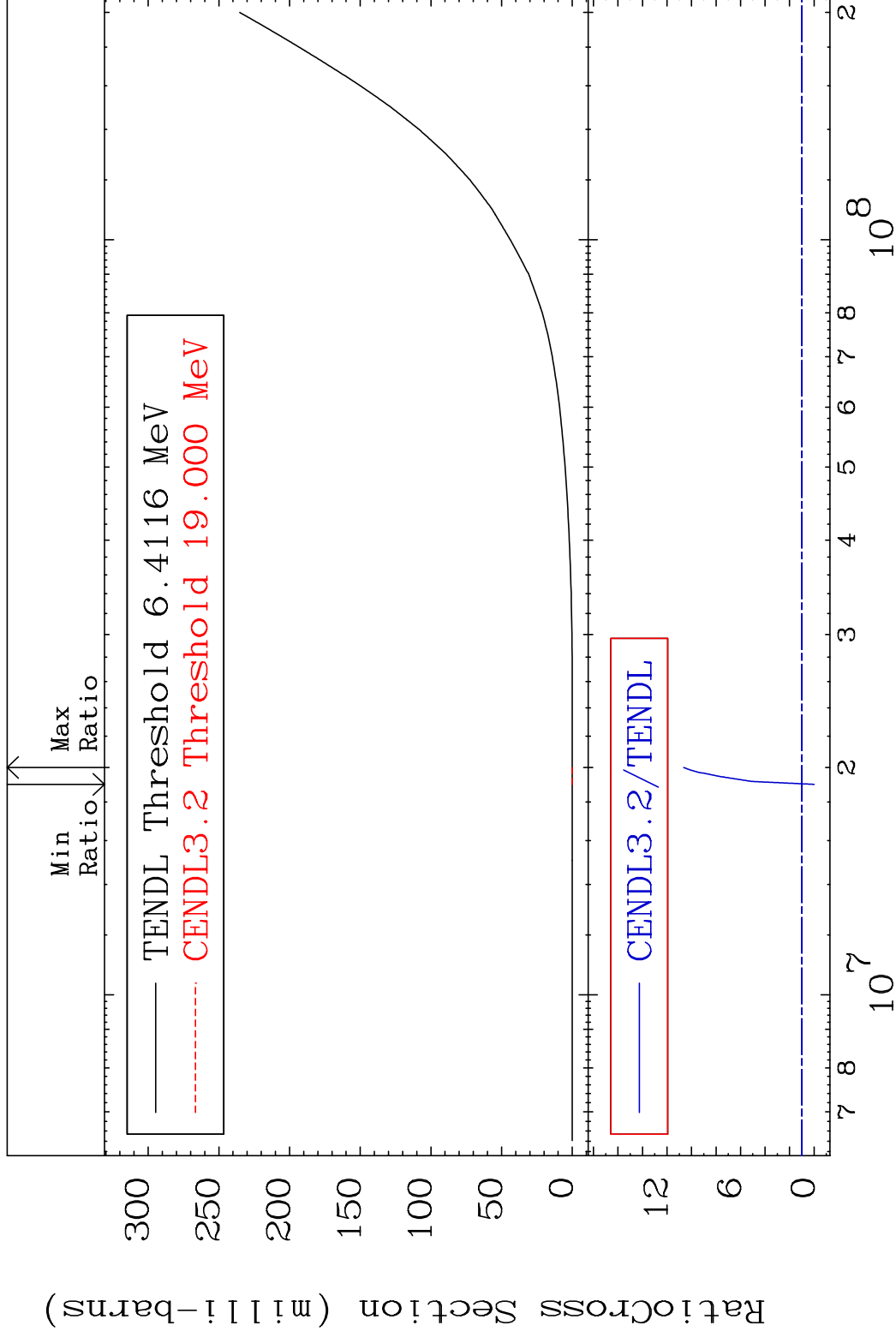


MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 964.1 %



37

Incident Energy (eV)

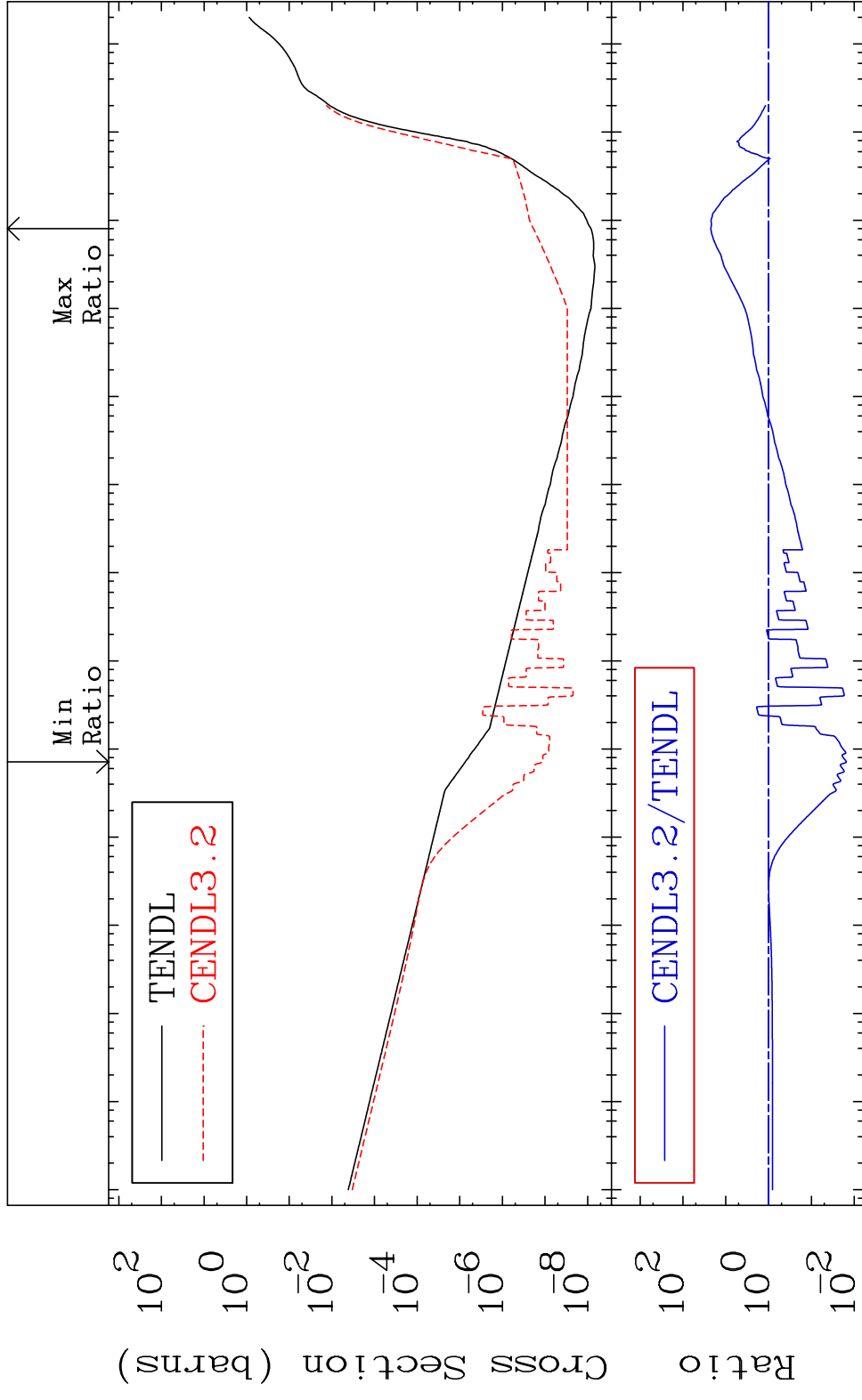
64-Gd-155

MAT 6434

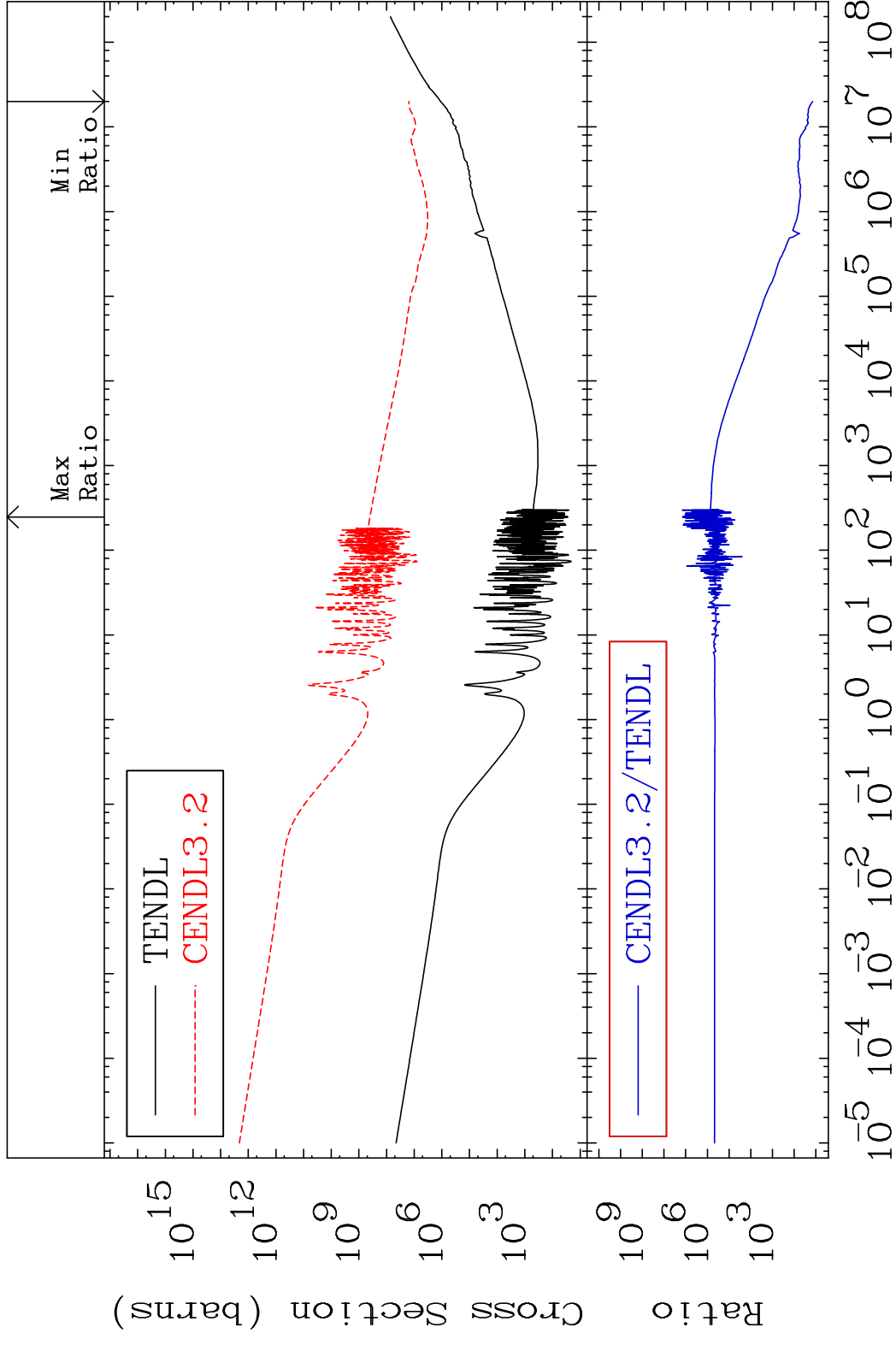
He-4 Production

64-Gd-155

Cross Section -98.47 To 2144. %



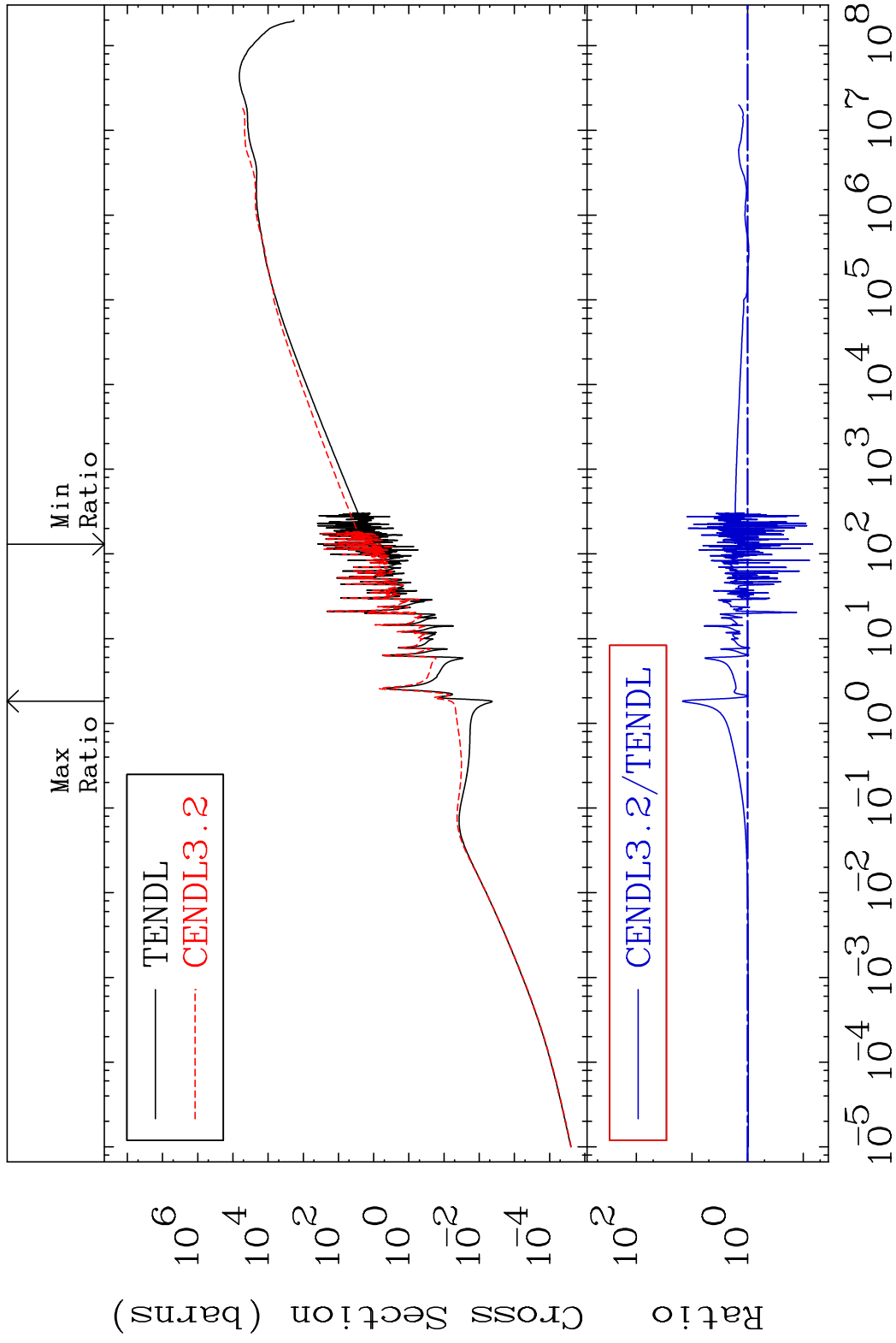
MAT 6434 Kerma total (eV-barns) 64-Gd-155
 Cross Section 1312. To 9999. %



MAT 6434

Kerma elastic
Cross Section

64-Gd-155
-93.18 To 1394. %

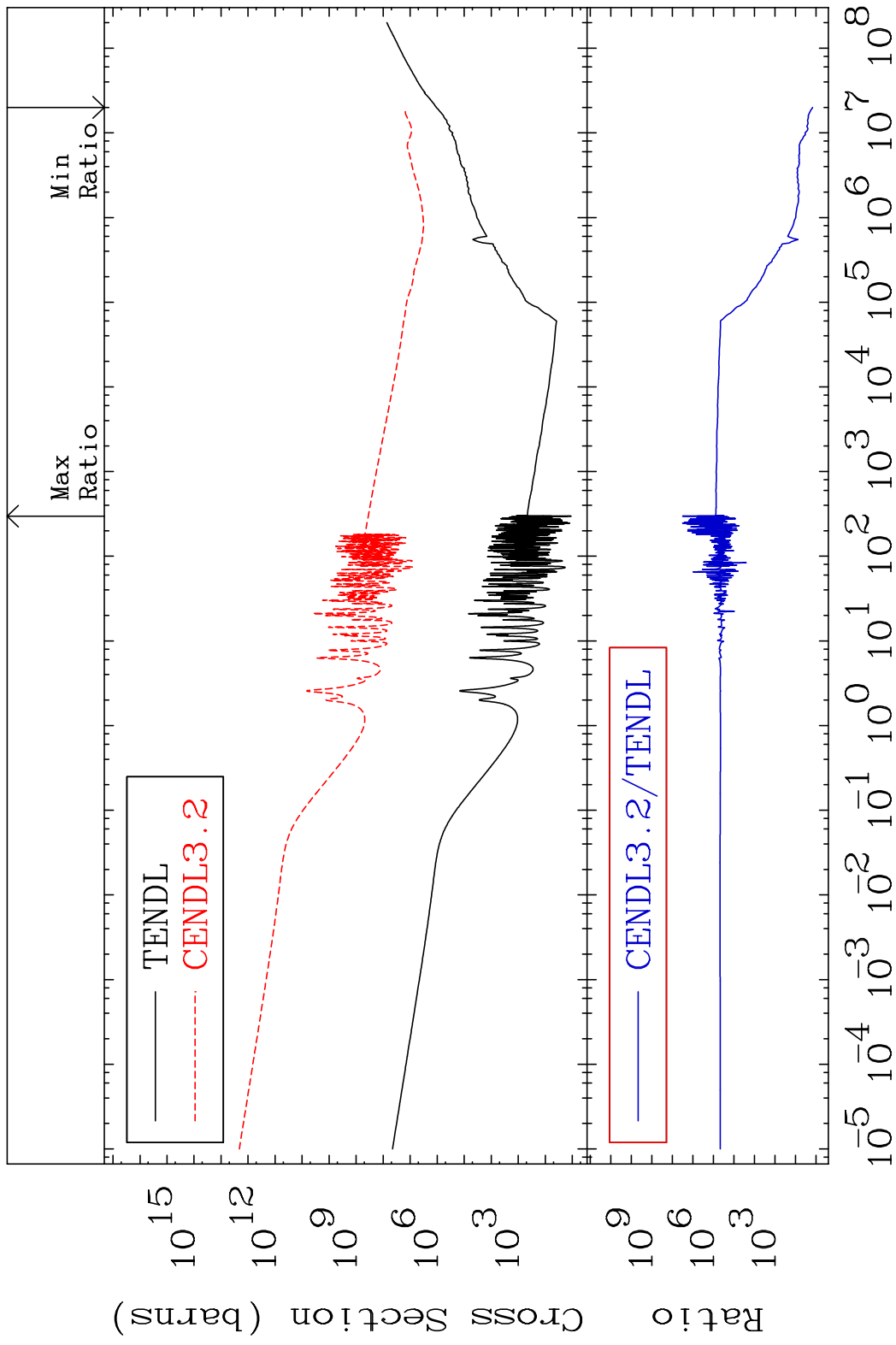


40

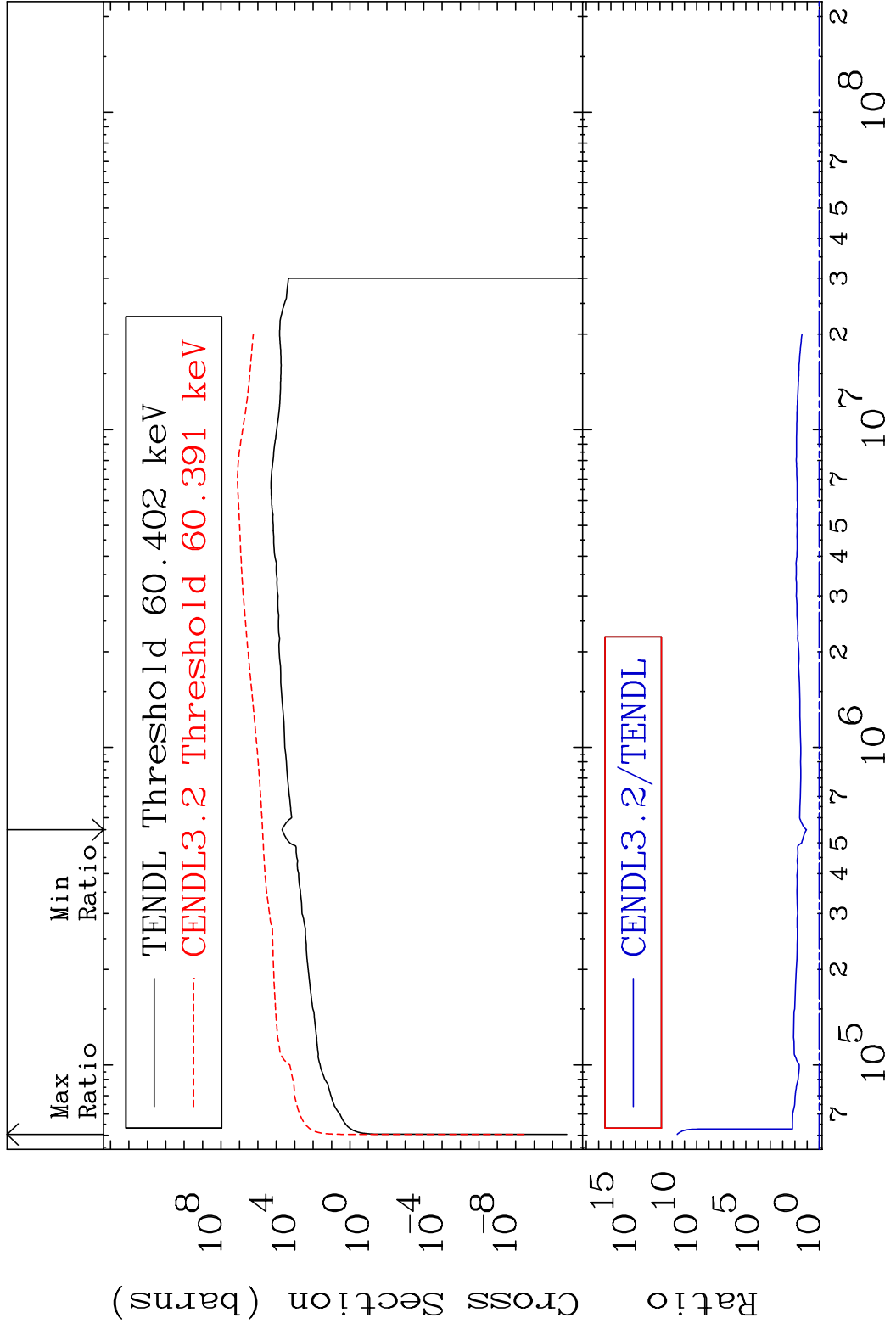
Incident Energy (eV)

64-Gd-155

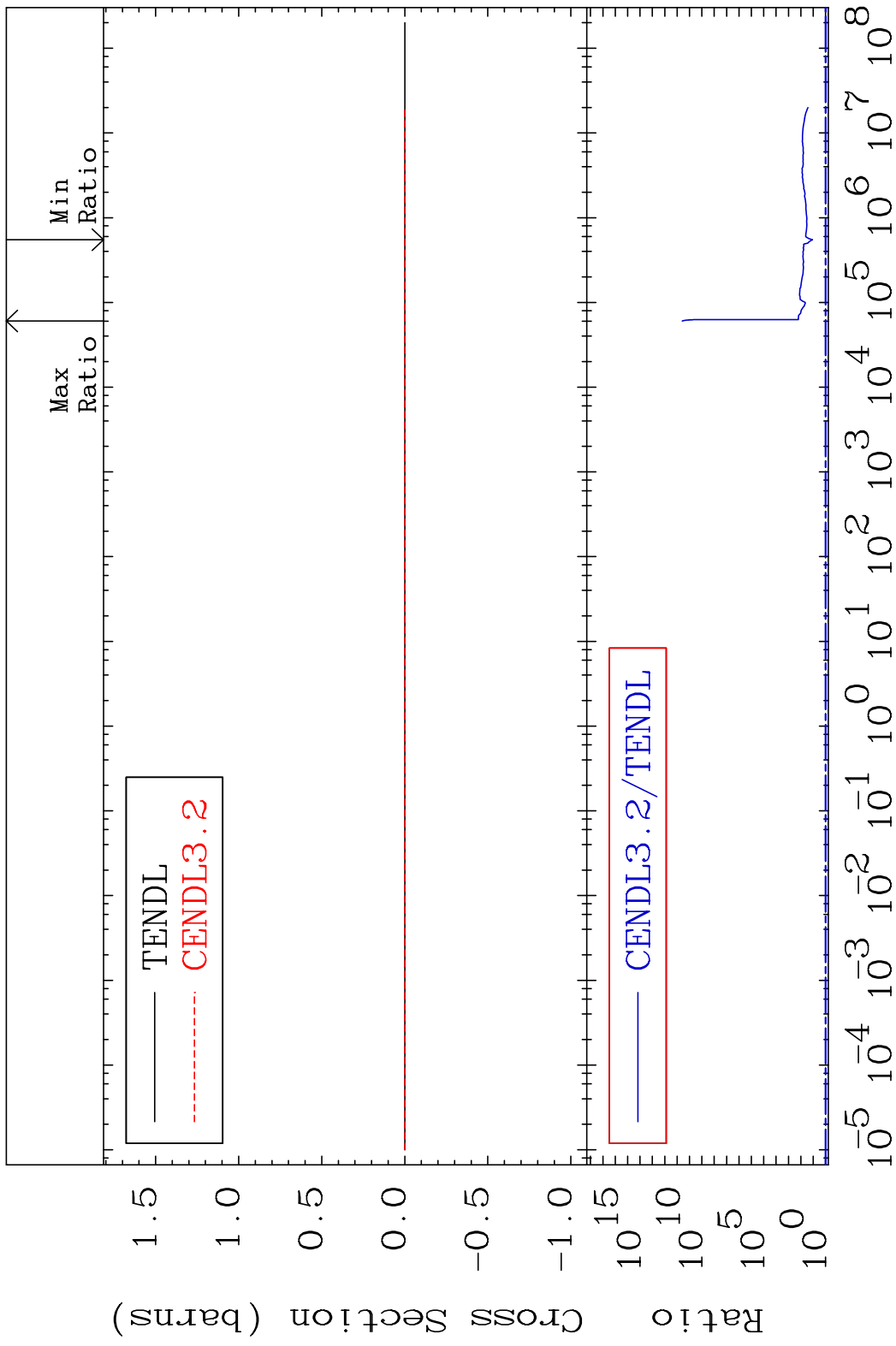
MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155
 Cross Section 1362. To 9999. %



MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155
 Cross Section 1049. To 9999. %

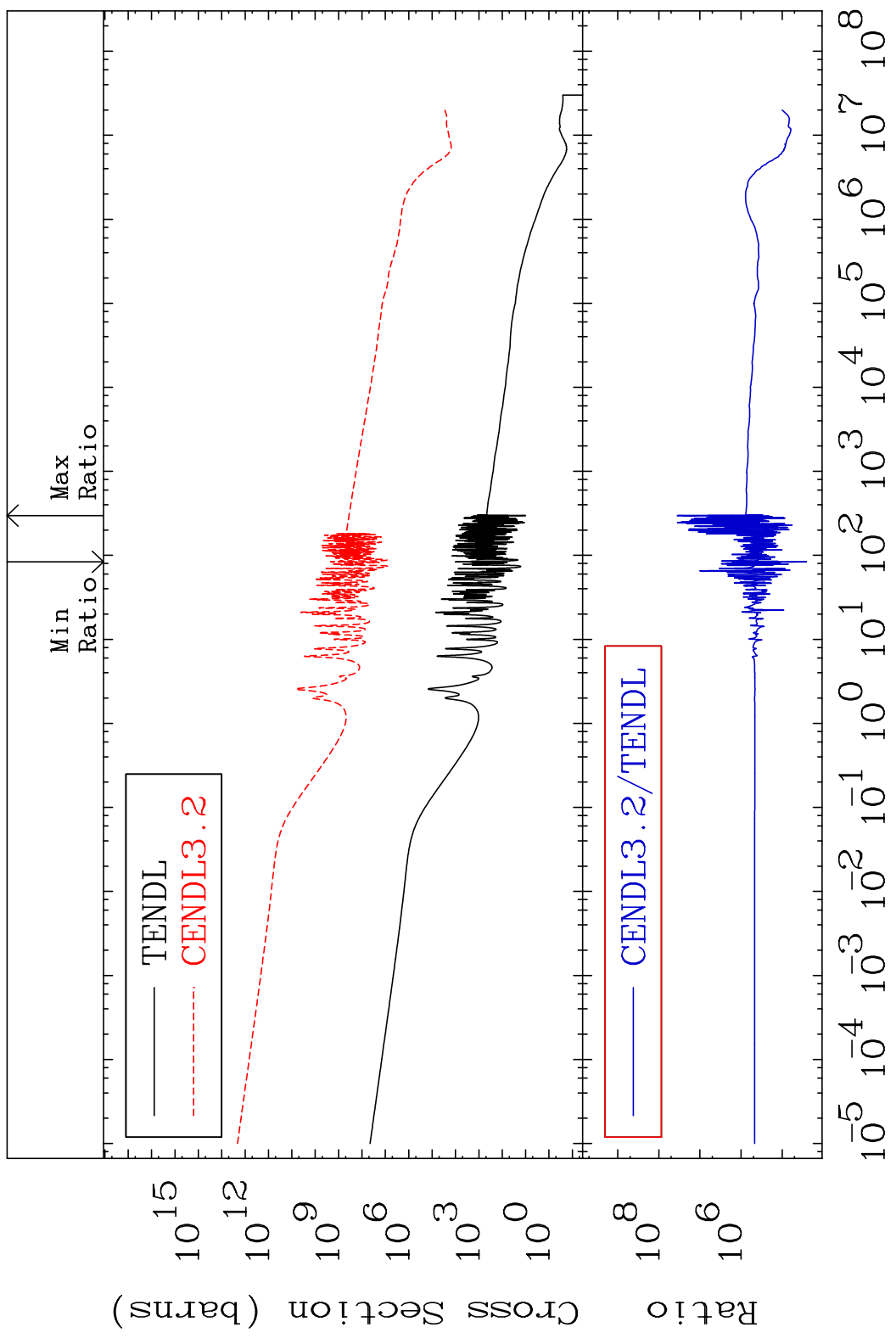


MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155
 Cross Section 1049. To 9999. %



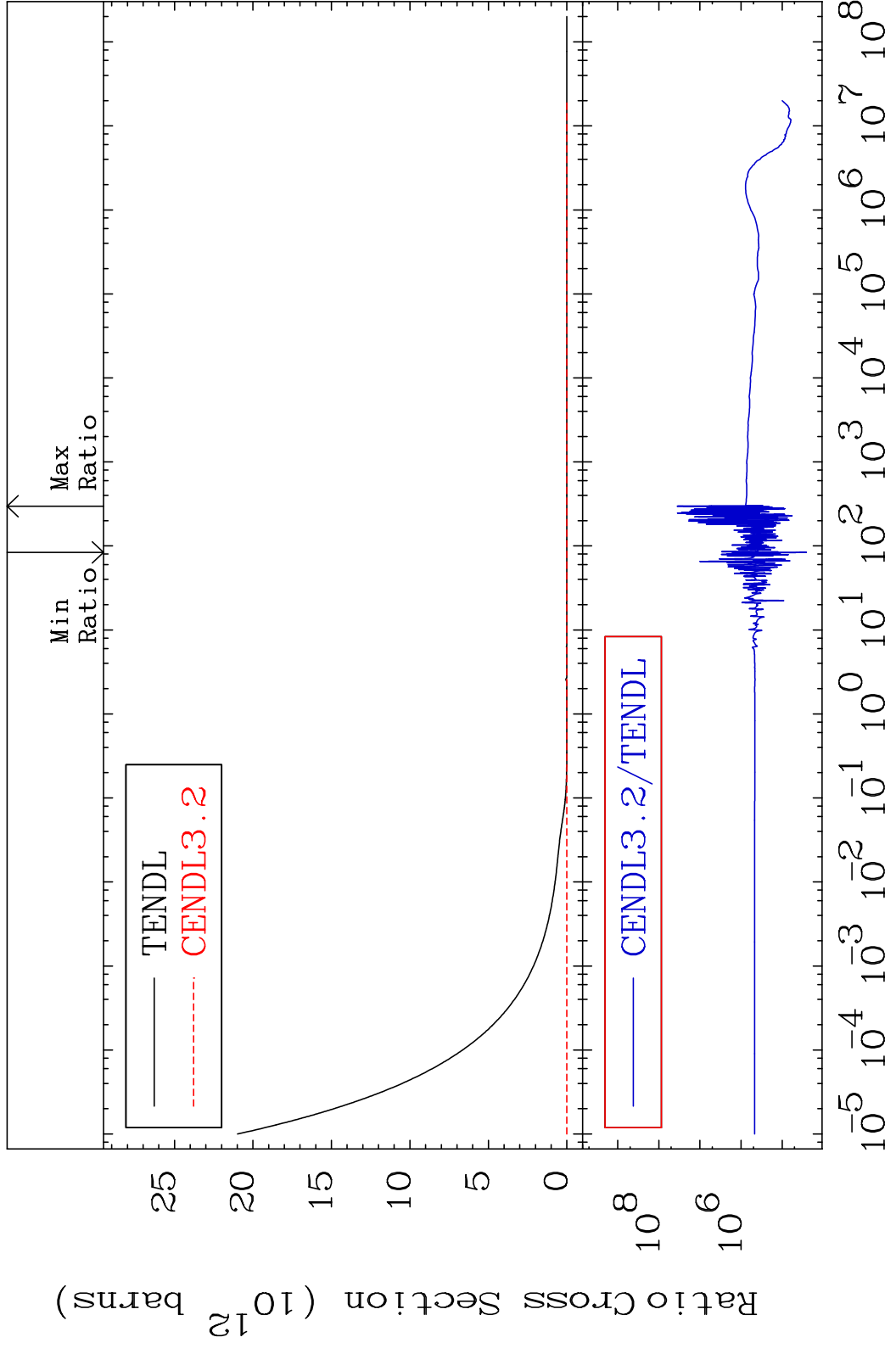
MAT 6434

Kerma capture (mt102) 64-Gd-155
Cross Section 9999. To 9999. %



MAT 6434

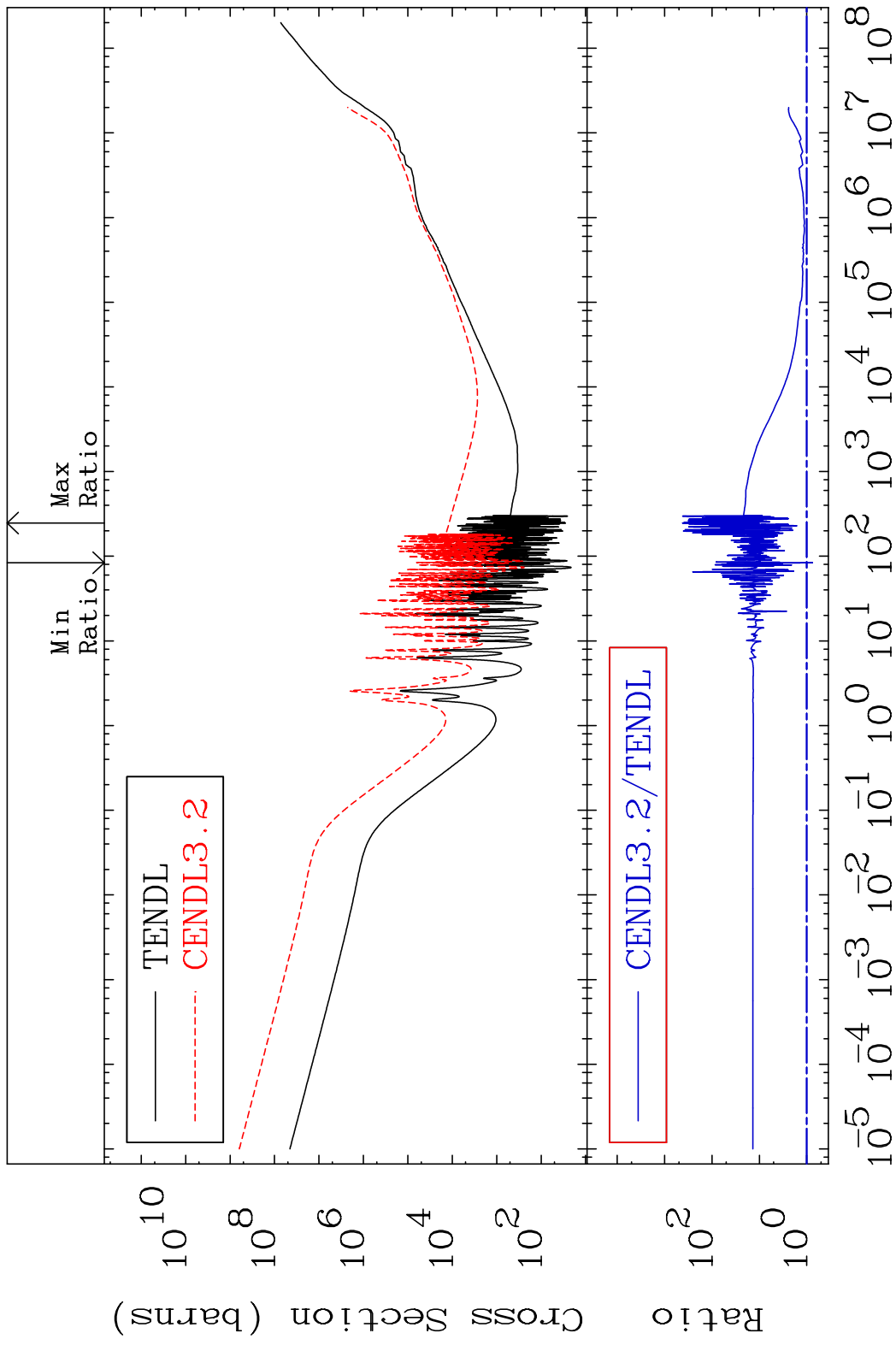
Total photon (eV-barns) 64-Gd-155
Cross Section 9999. To 9999. %



45

Incident Energy (eV) 64-Gd-155

MAT 6434 Total kinematic kerma (high limit) 64-Gd-155
 Cross Section -24.61 To 9999. %

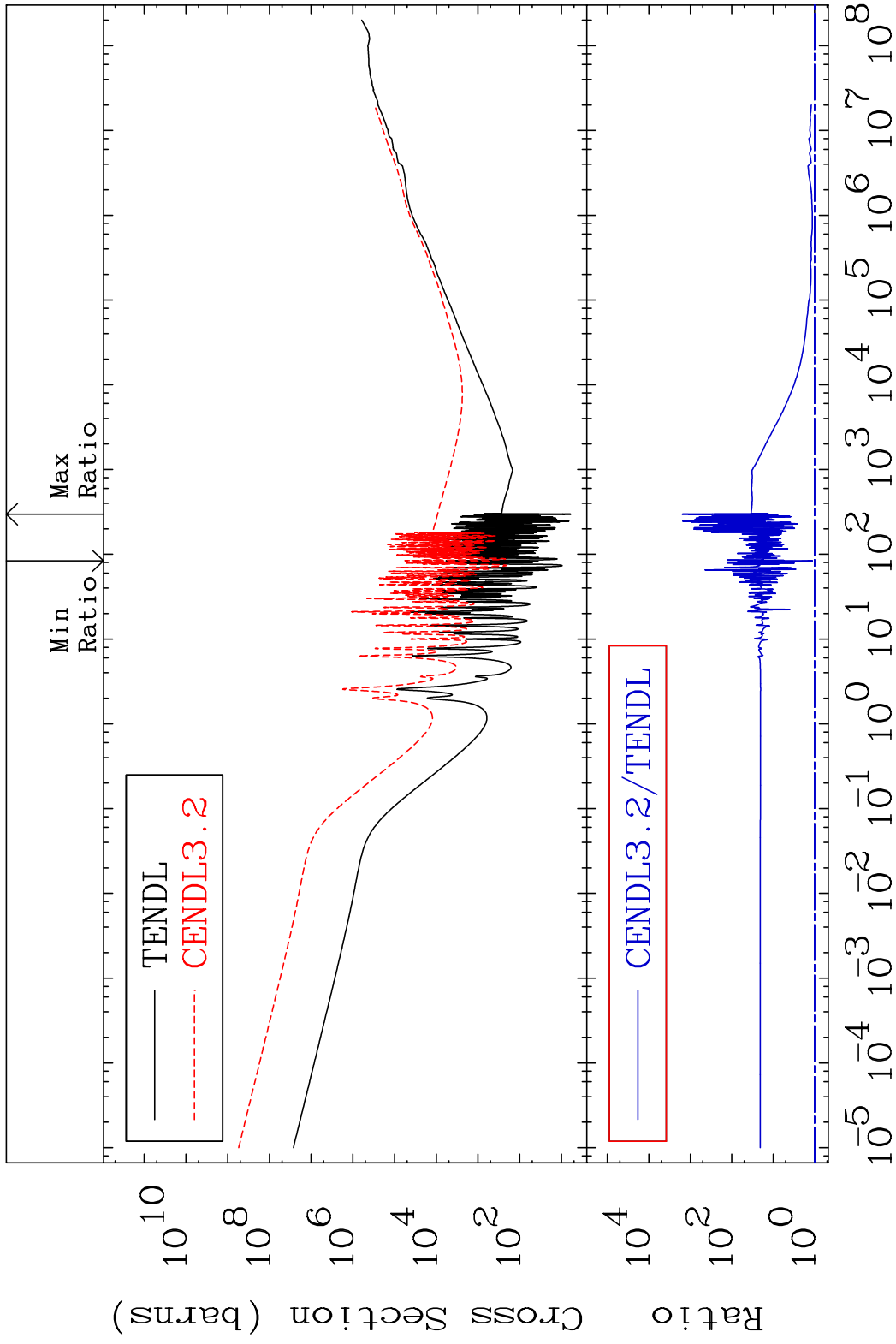


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section 12.71 To 9999. %



47

Incident Energy (eV)

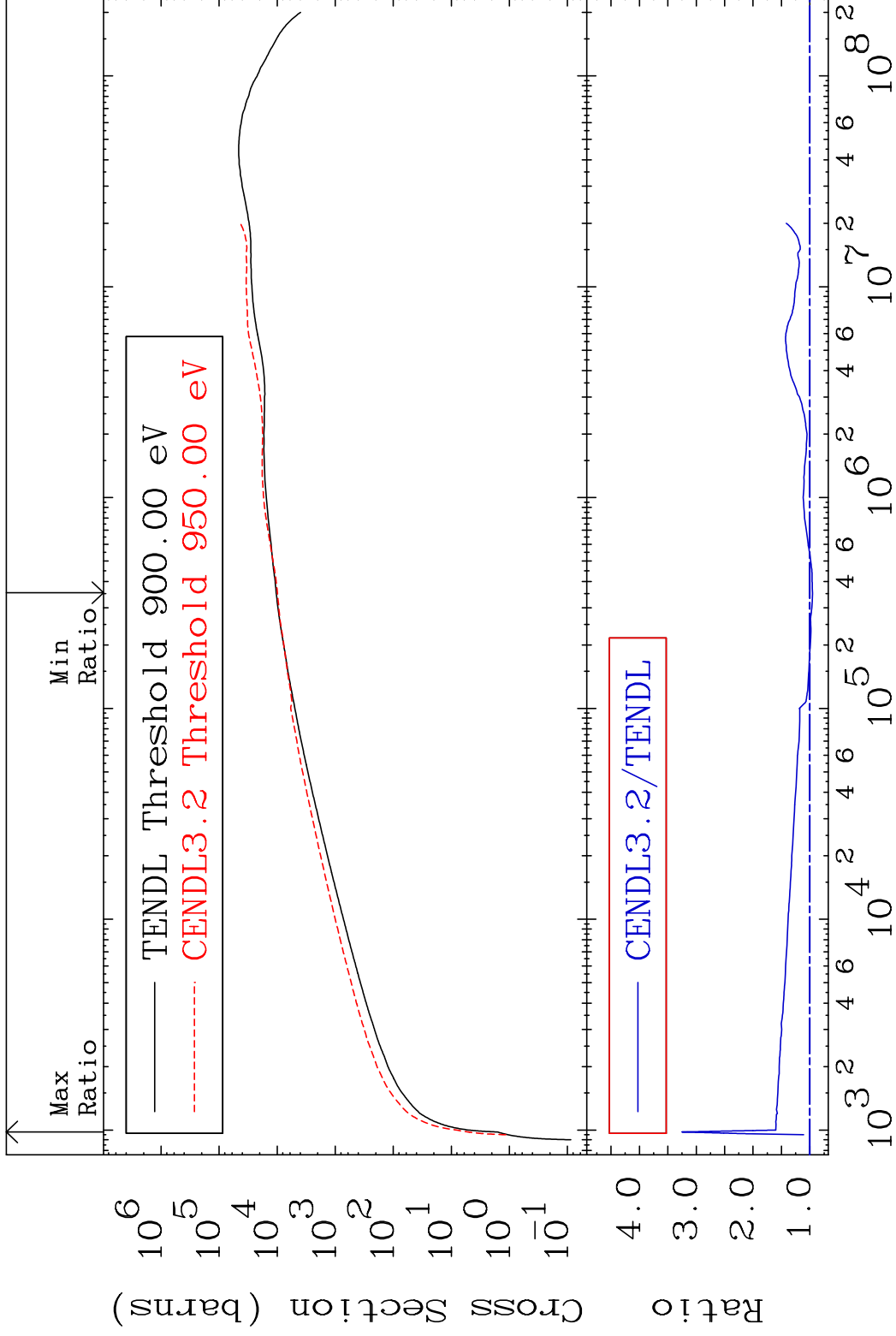
64-Gd-155

MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -4.589 To 224.8 %

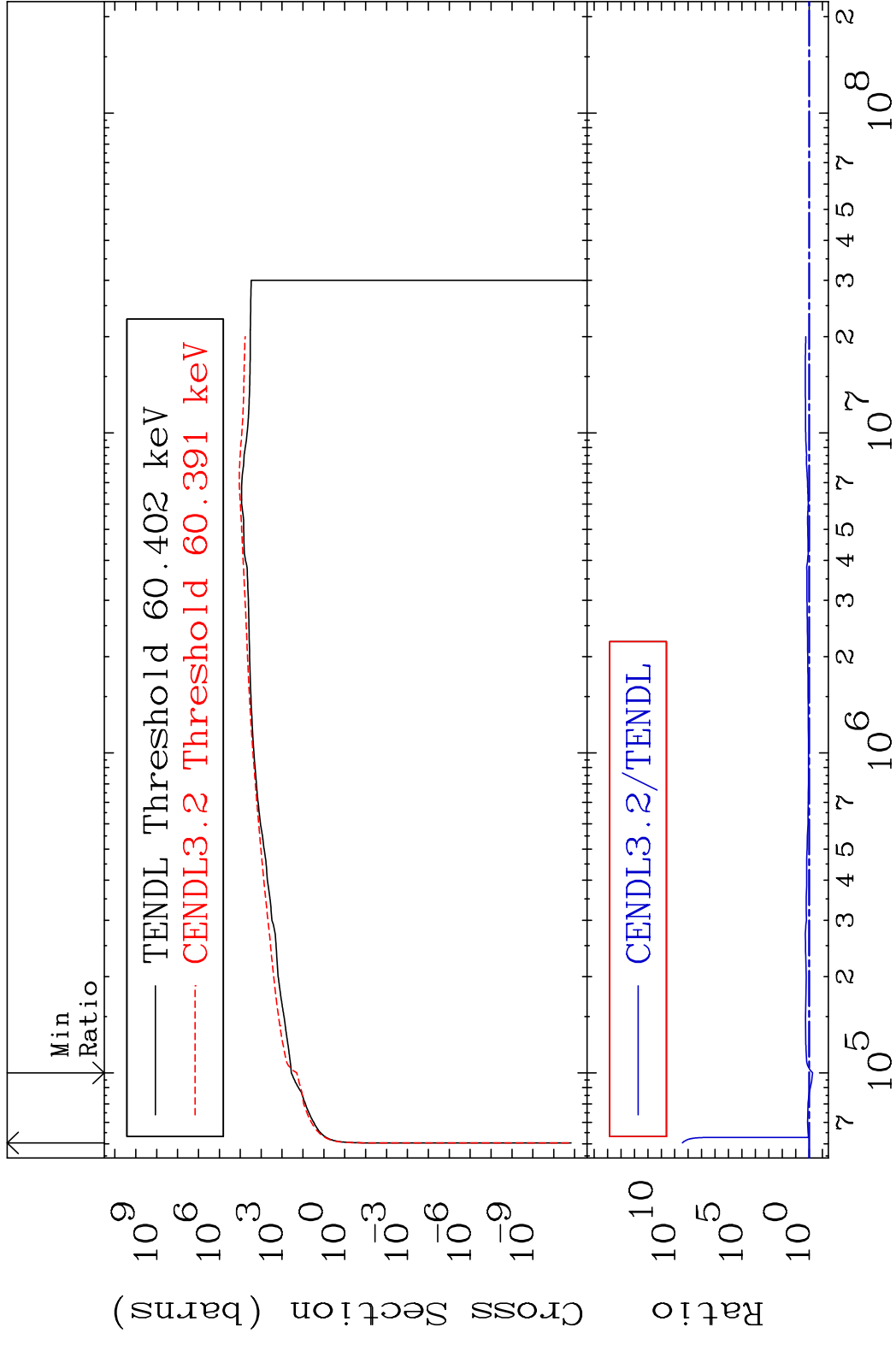


48

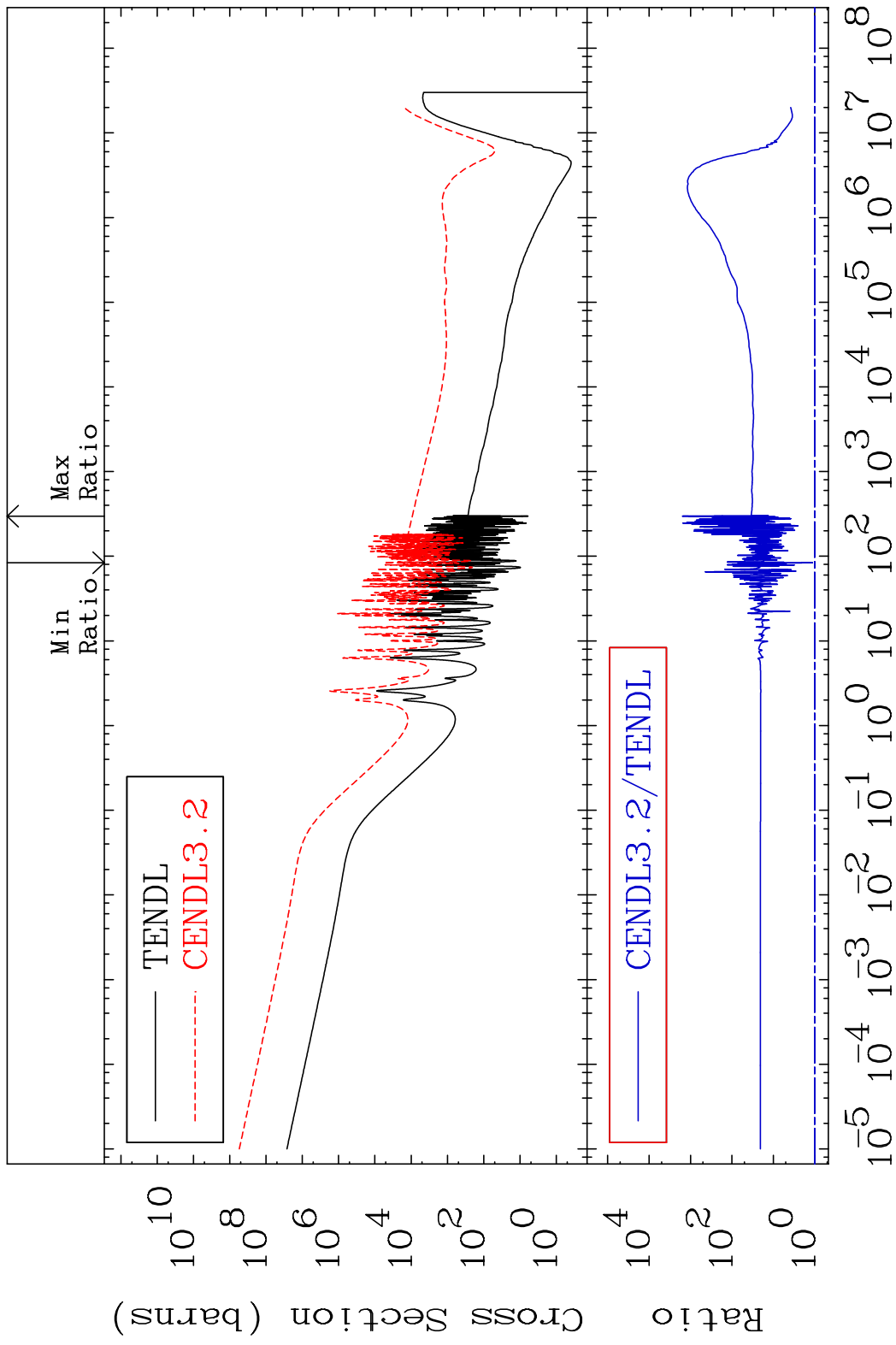
Incident Energy (eV)

64-Gd-155

MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155
 Cross Section -44.80 To 9999. %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155
 Cross Section 12.71 To 9999. %



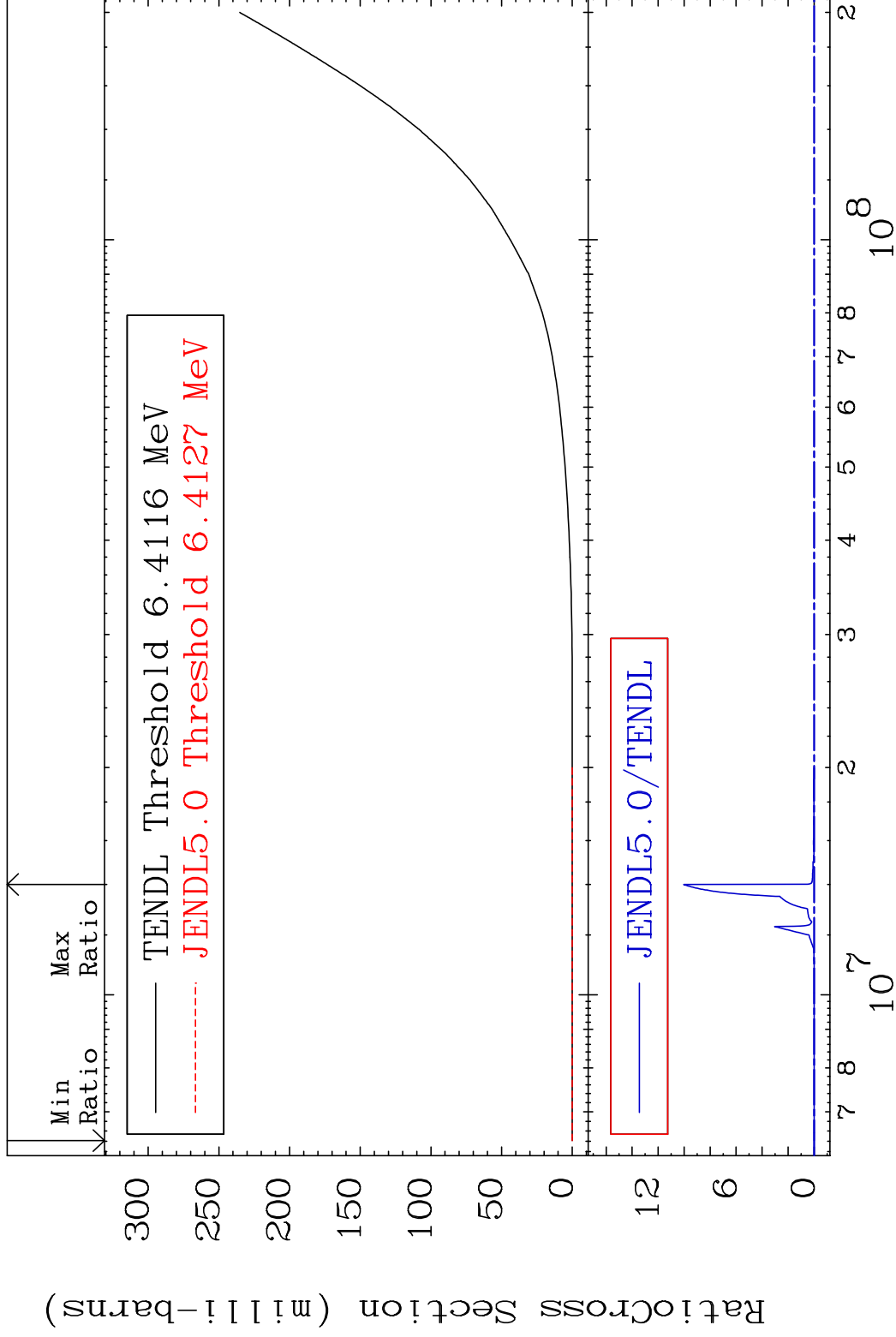
50 Incident Energy (eV) 64-Gd-155

MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

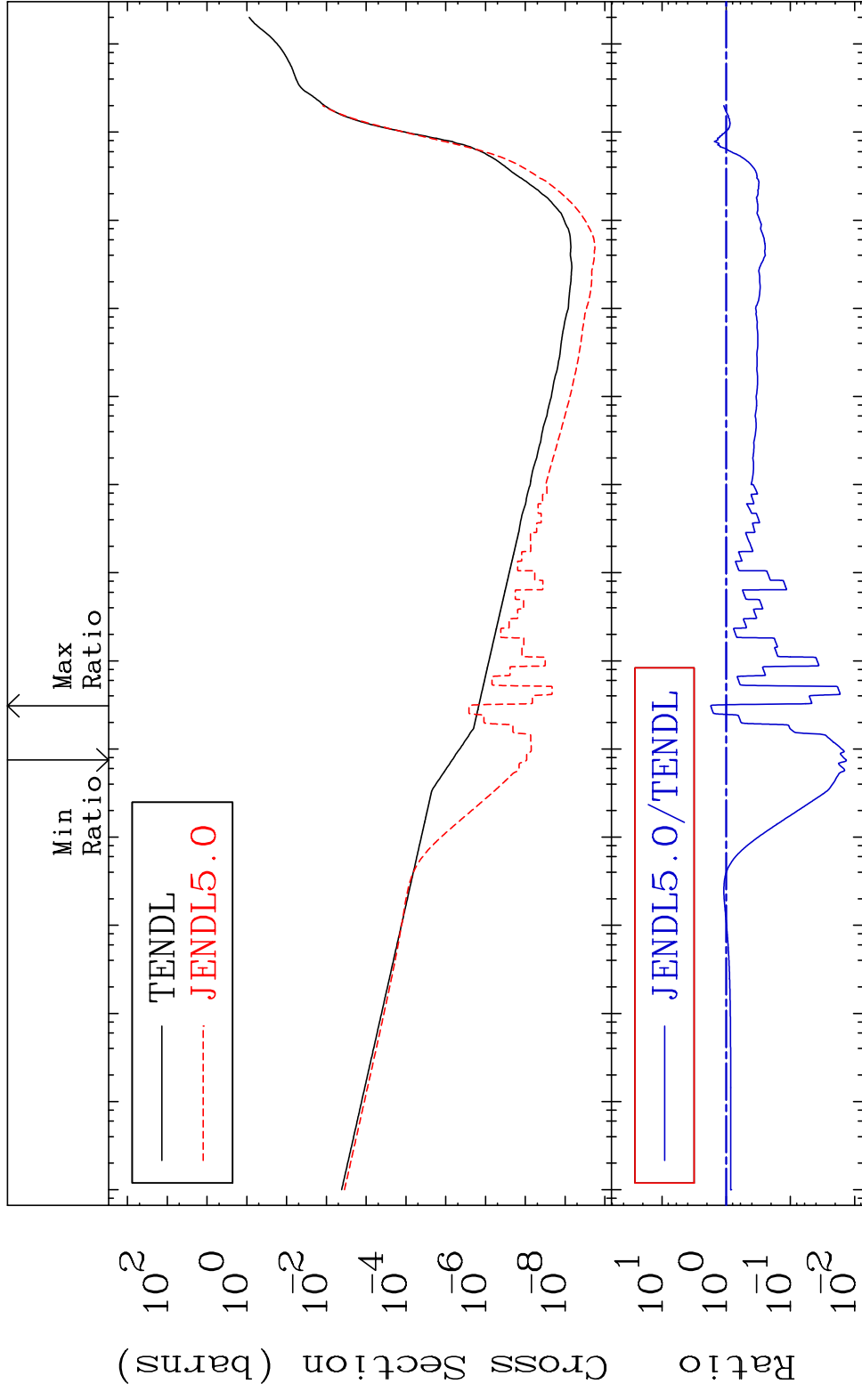
64-Gd-155

MAT 6434

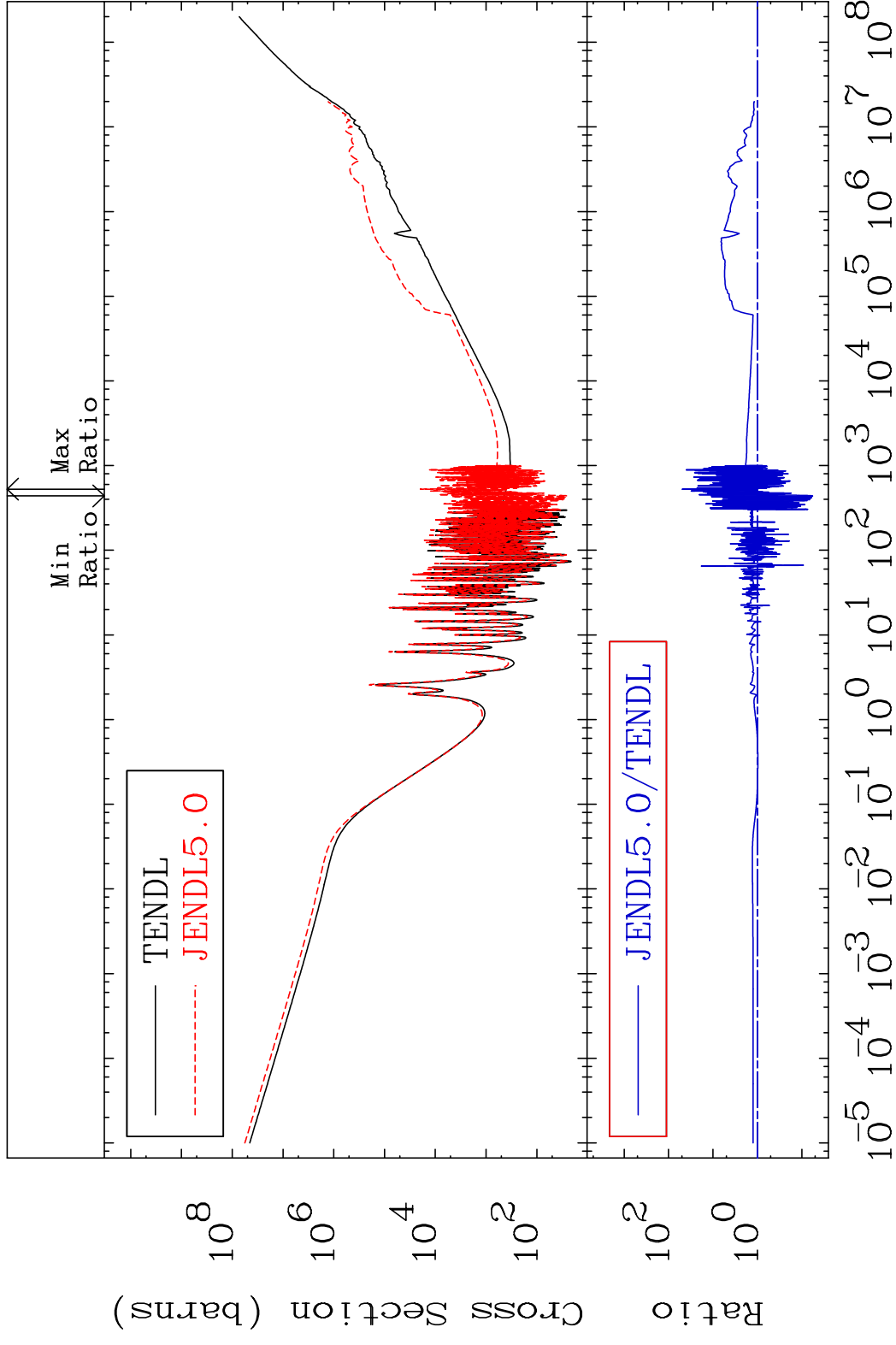
He-4 Production

64-Gd-155

Cross Section -98.66 To 74.85 %



MAT 6434 Kerma total (eV-barns) 64-Gd-155
 Cross Section -94.28 To 4795. %

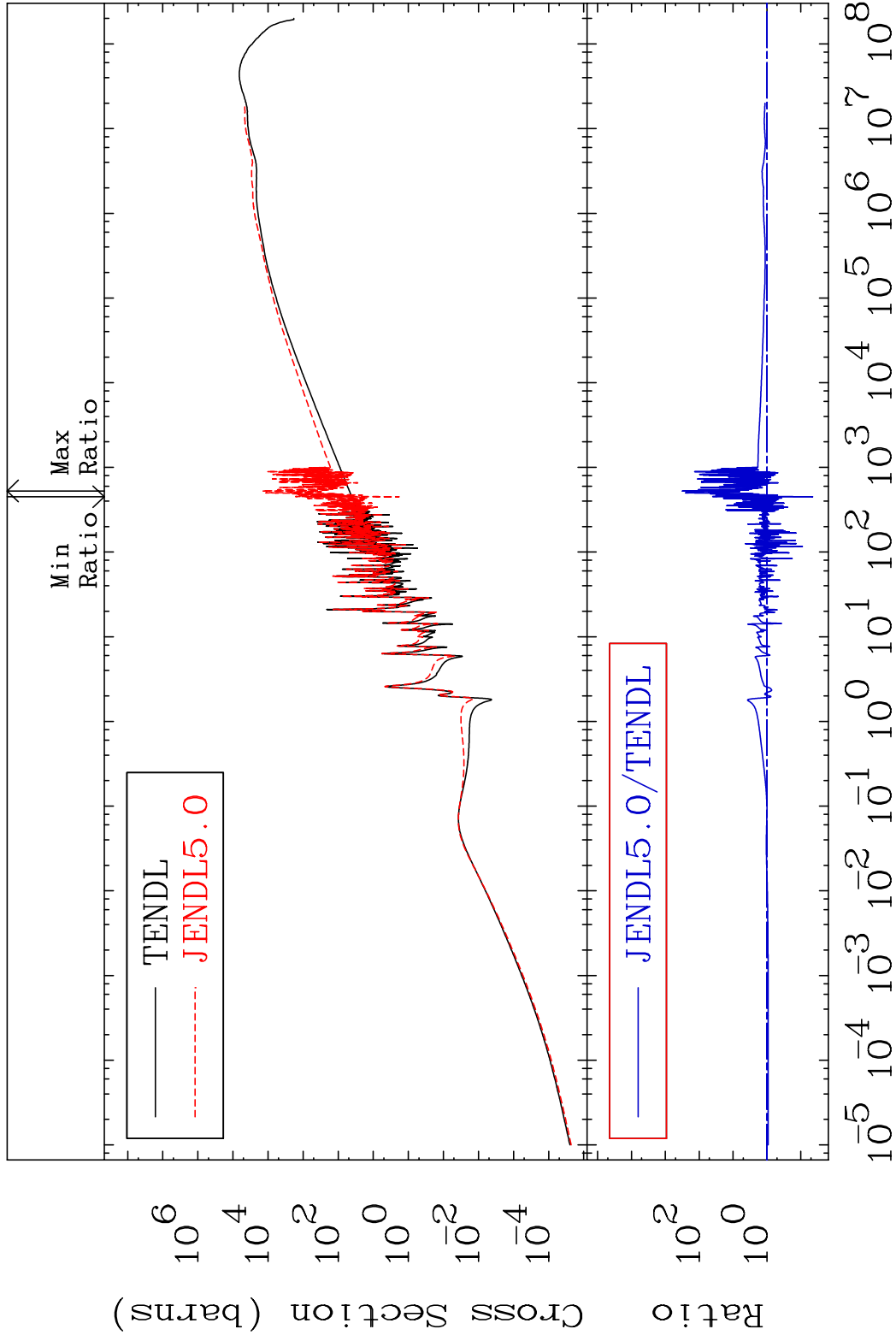


MAT 6434

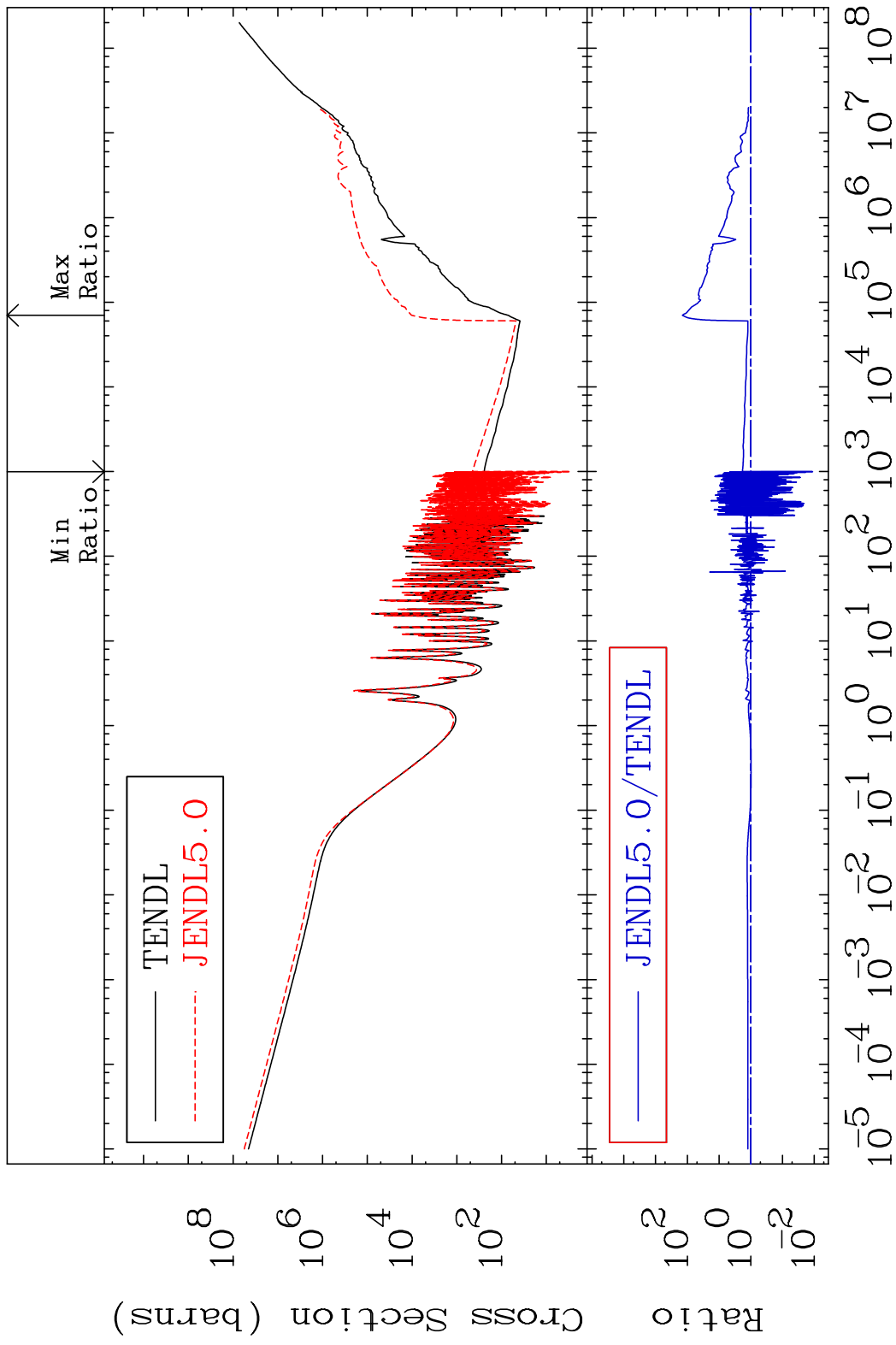
Kerma elastic

64-Gd-155

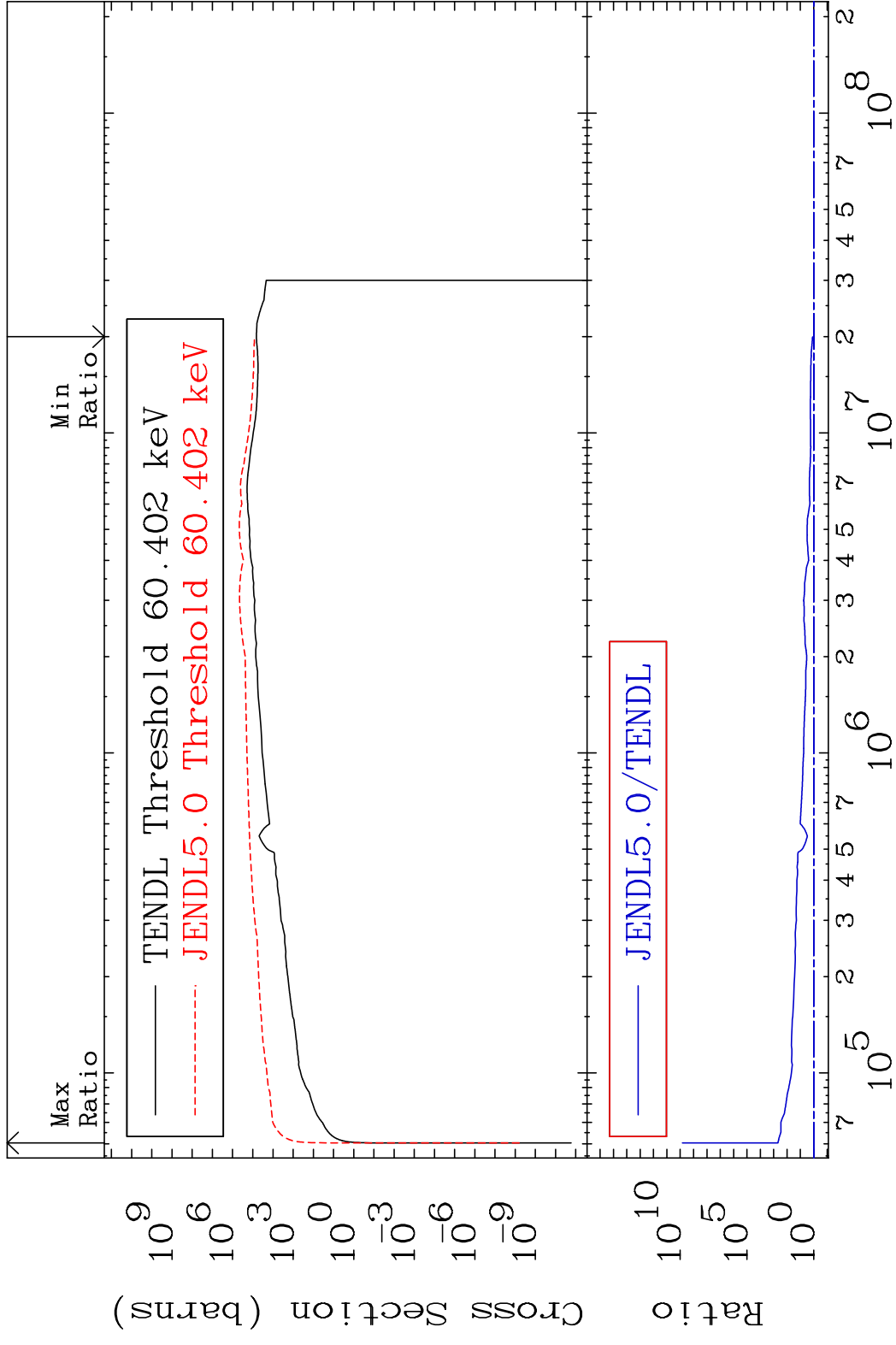
Cross Section -95.50 To 9999. %



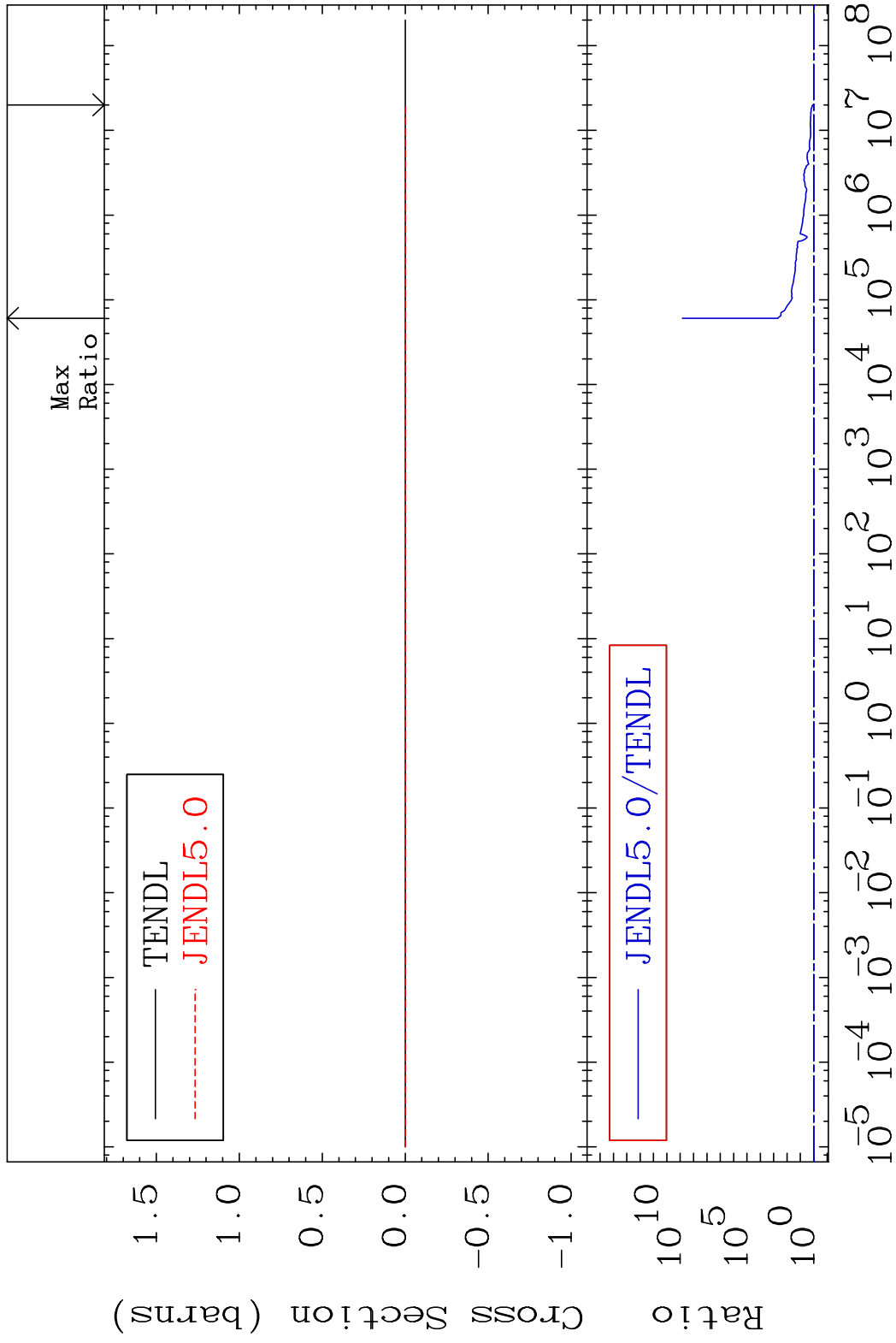
MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155
 Cross Section -98.86 To 9999. %



MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155
 Cross Section 22.83 To 9999. %

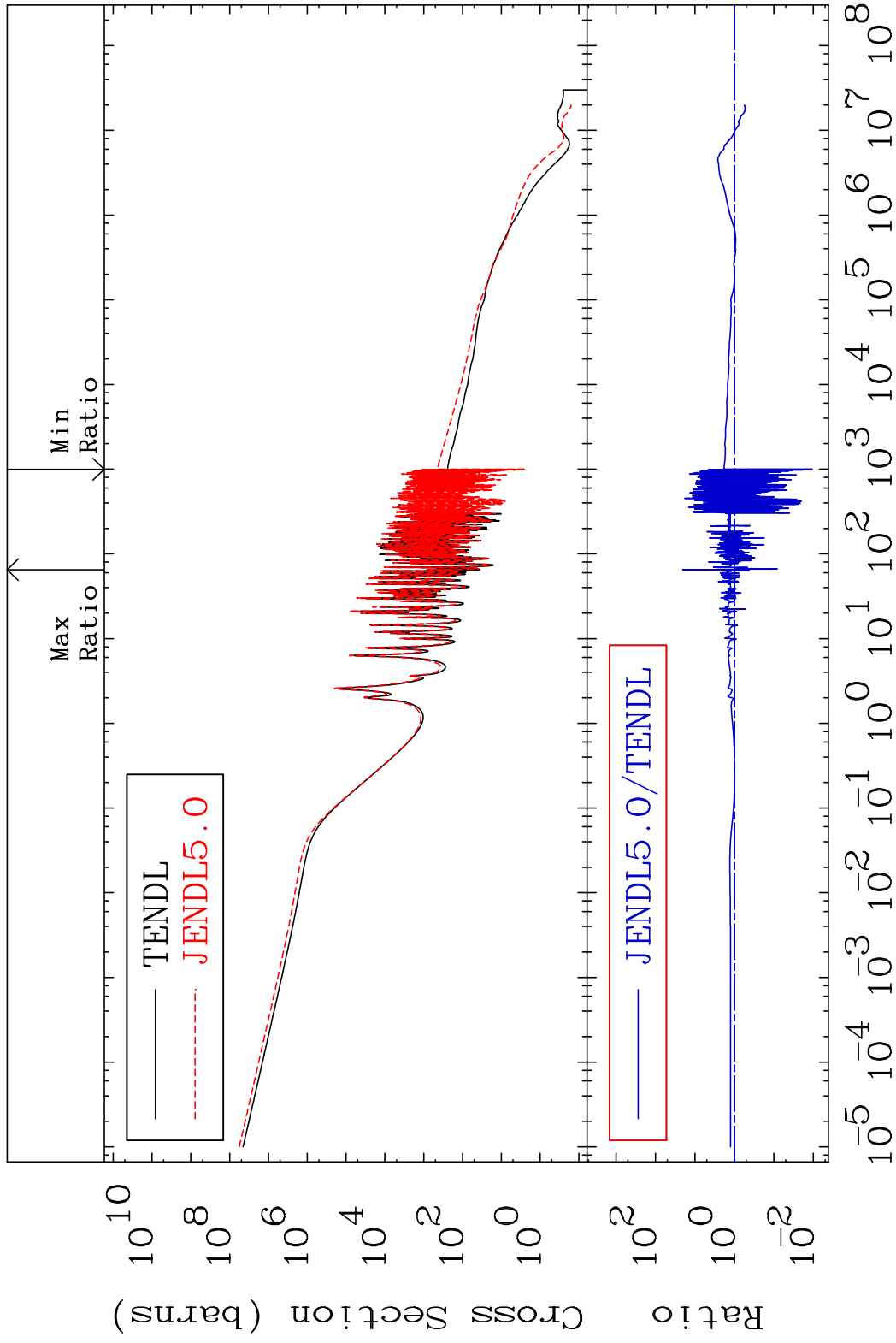


MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155
 Cross Section 22.83 To 9999. %



MAT 6434

Kerma capture (mt102) 64-Gd-155
Cross Section -98.96 To 1988. %

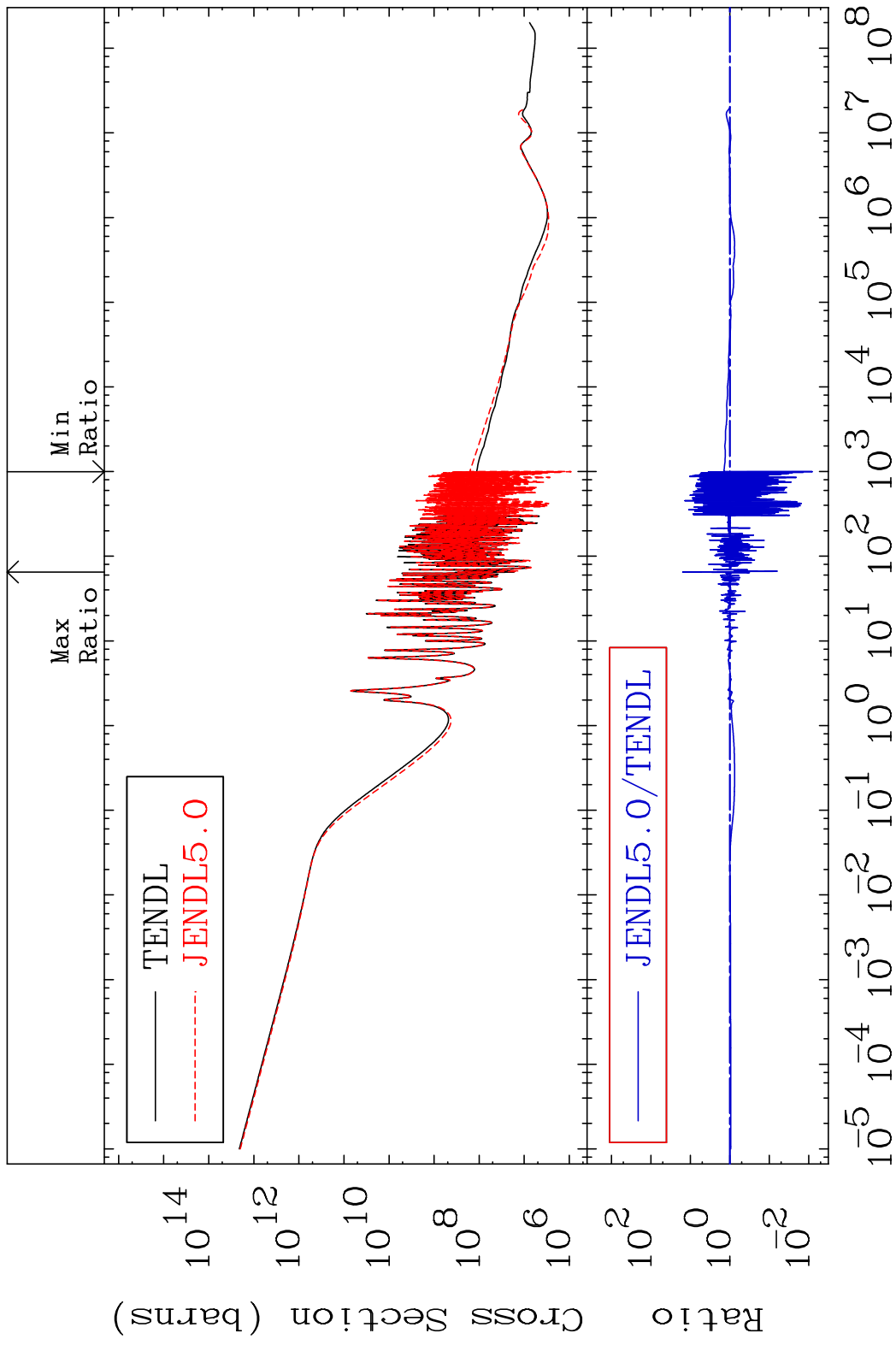


58

Incident Energy (eV)

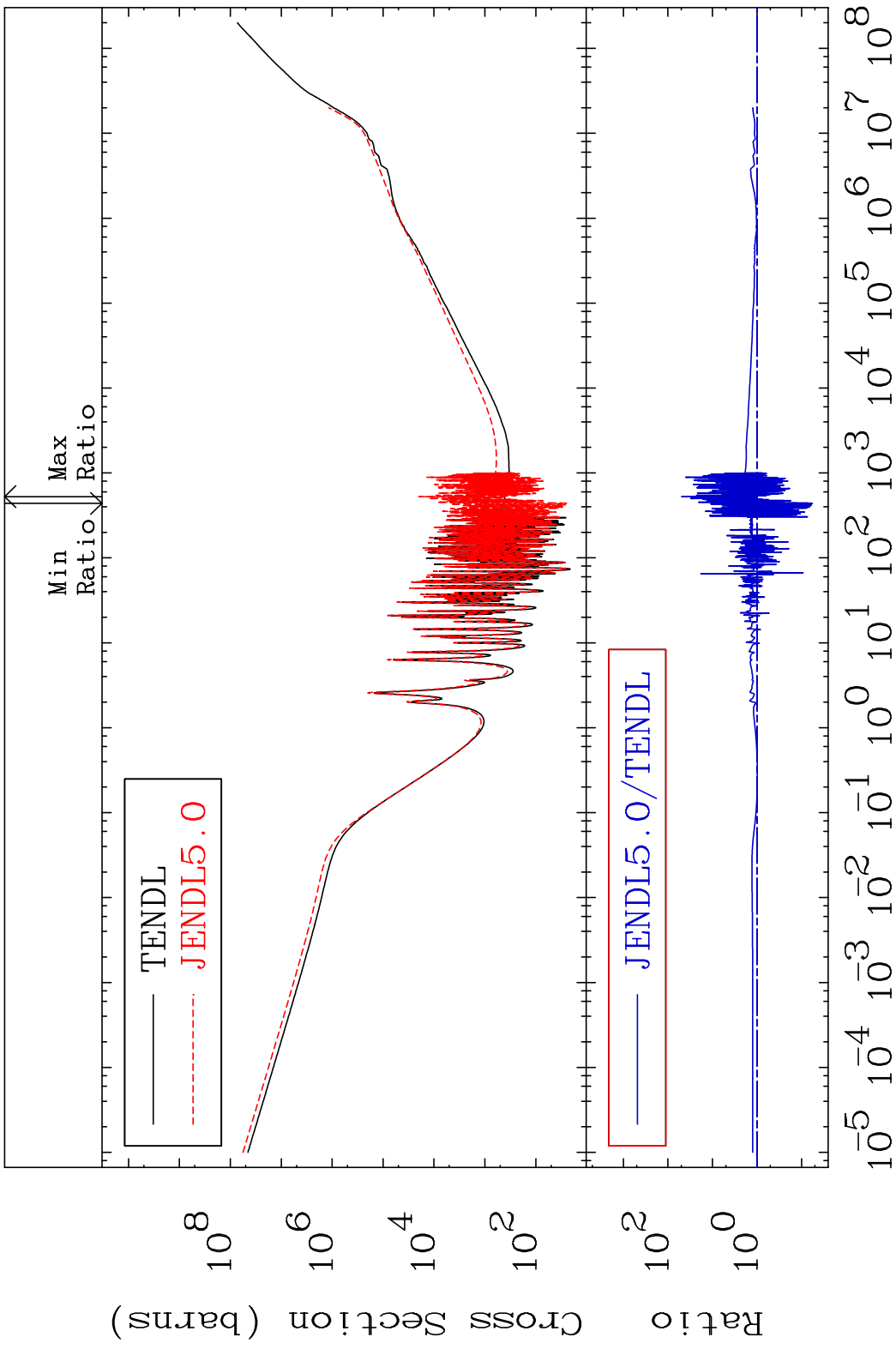
64-Gd-155

MAT 6434 Total photon (eV-barns) 64-Gd-155
 Cross Section -99.20 To 1500. %



59 Incident Energy (eV) 64-Gd-155

MAT 6434 Total kinematic kerma (high limit) 64-Gd-155
Cross Section -94.28 To 4795. %

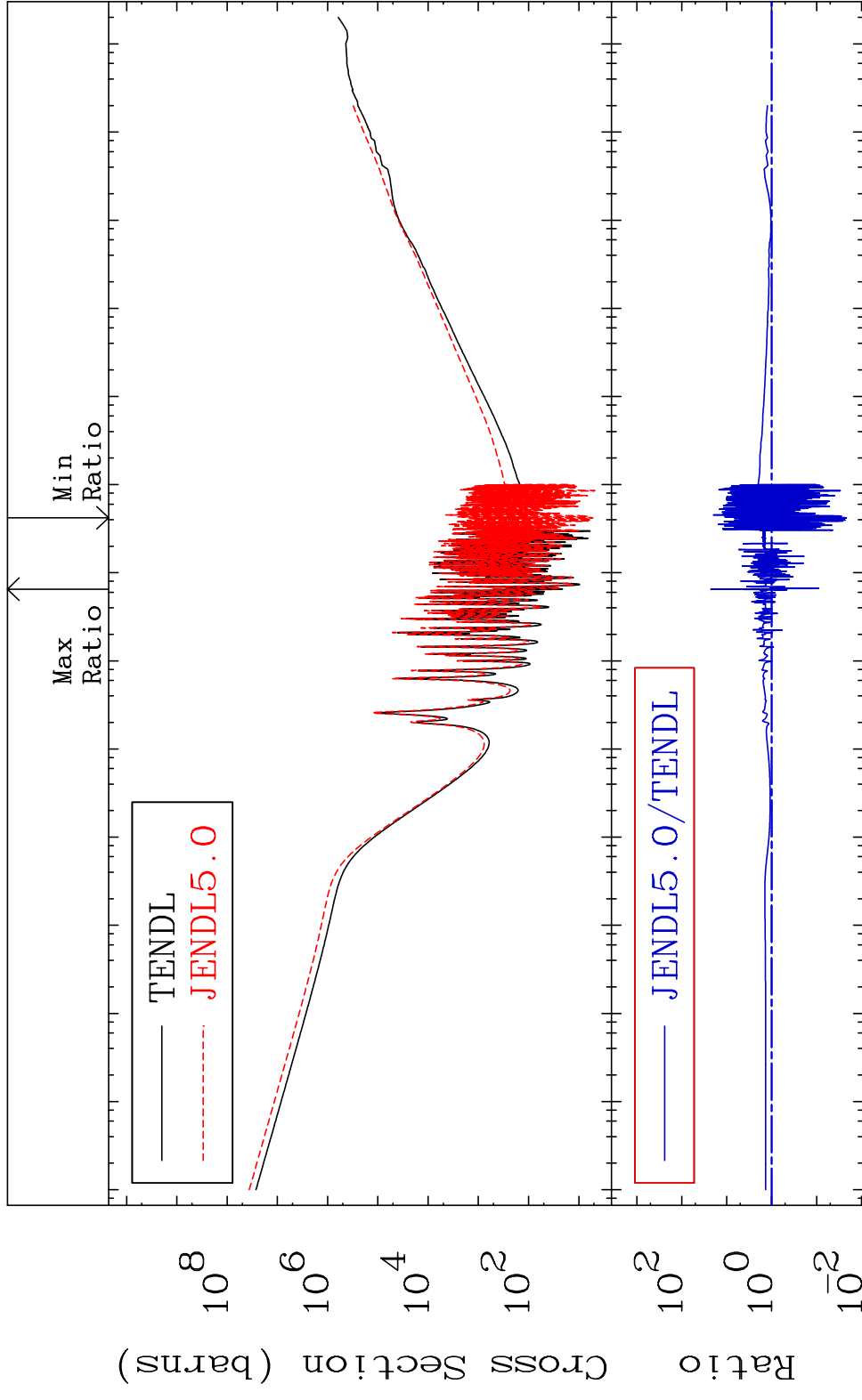


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section -97.82 To 2176. %



61

Incident Energy (eV)

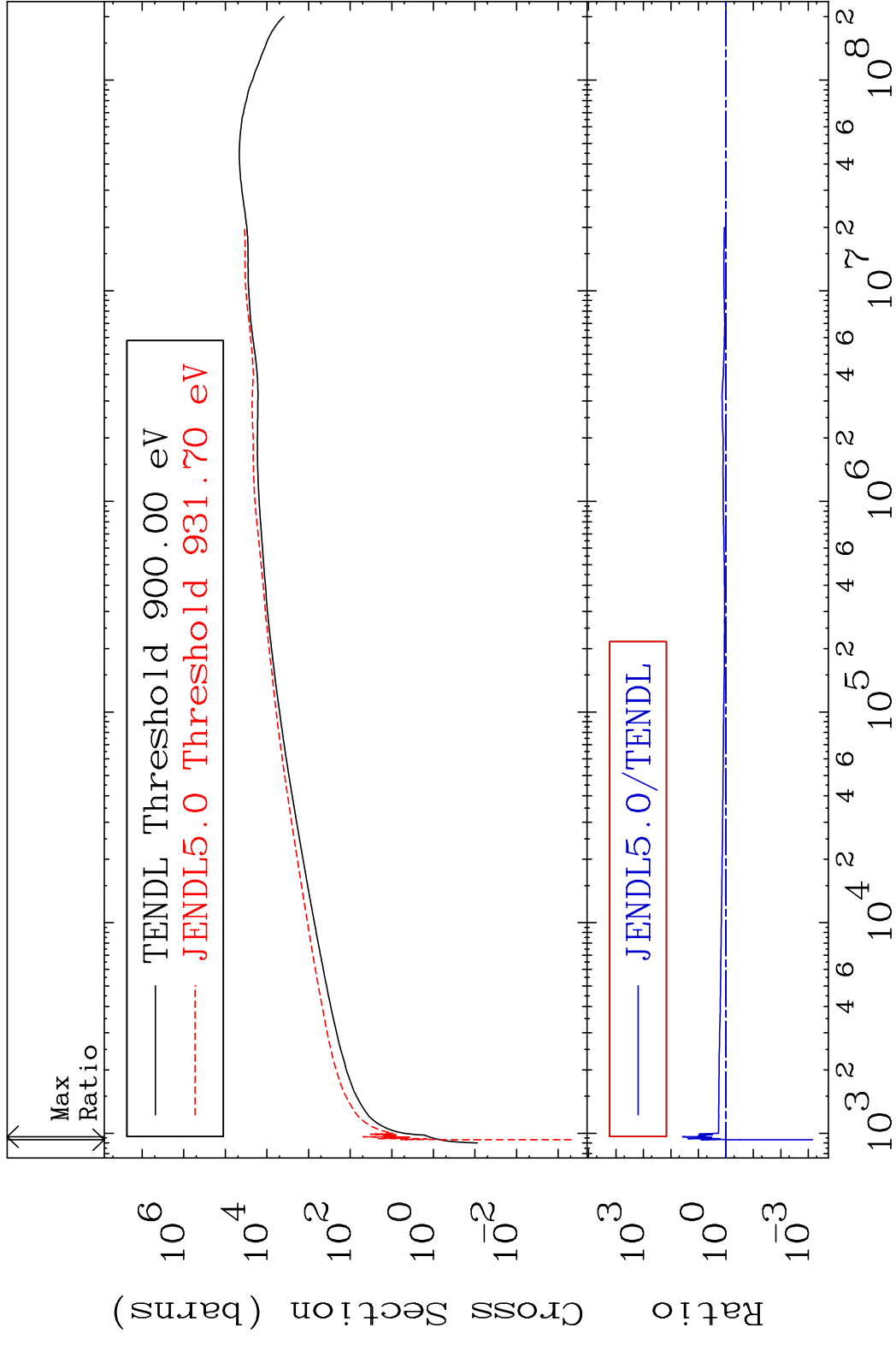
64-Gd-155

MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -99.93 To 3738. %

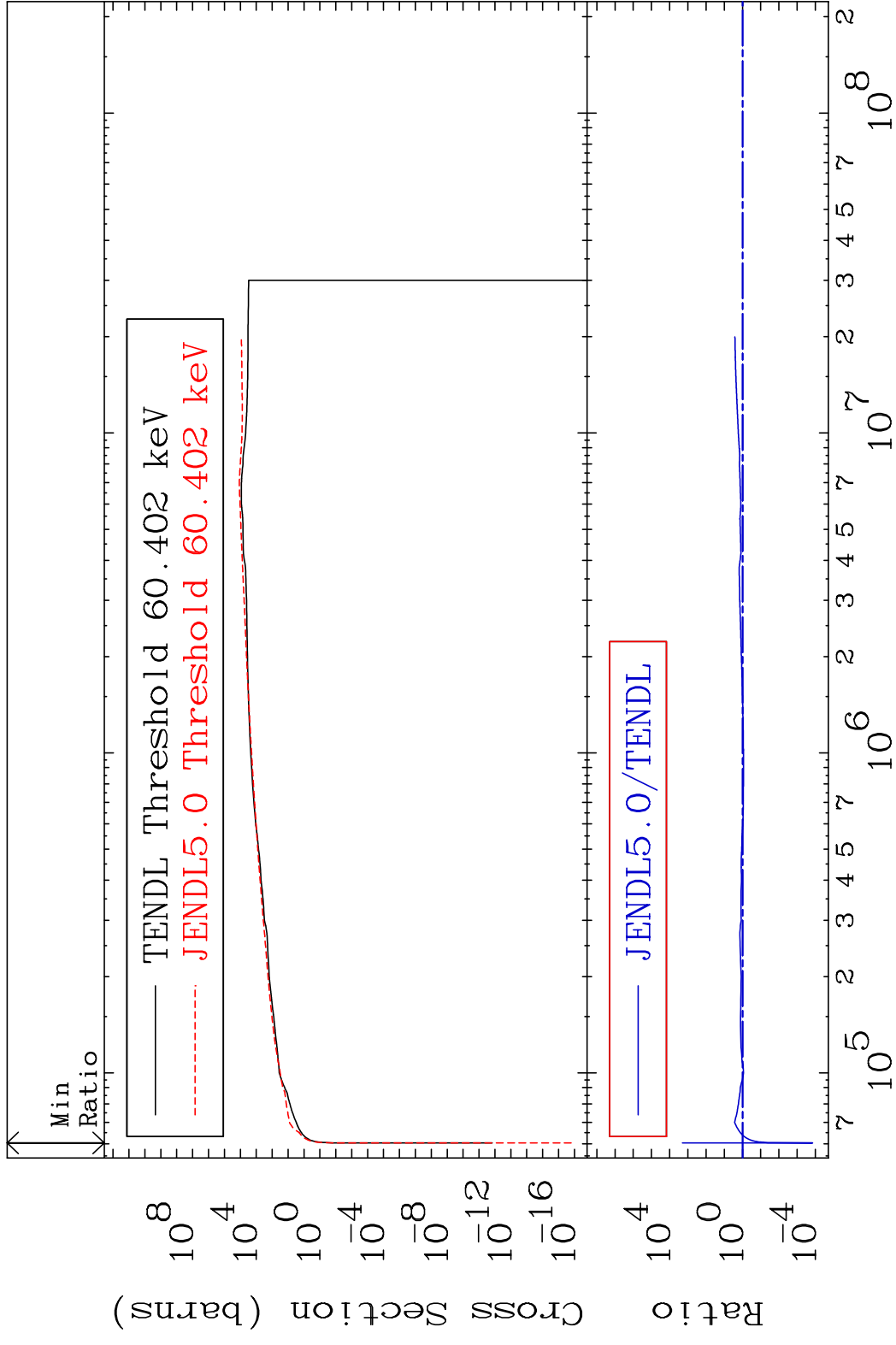


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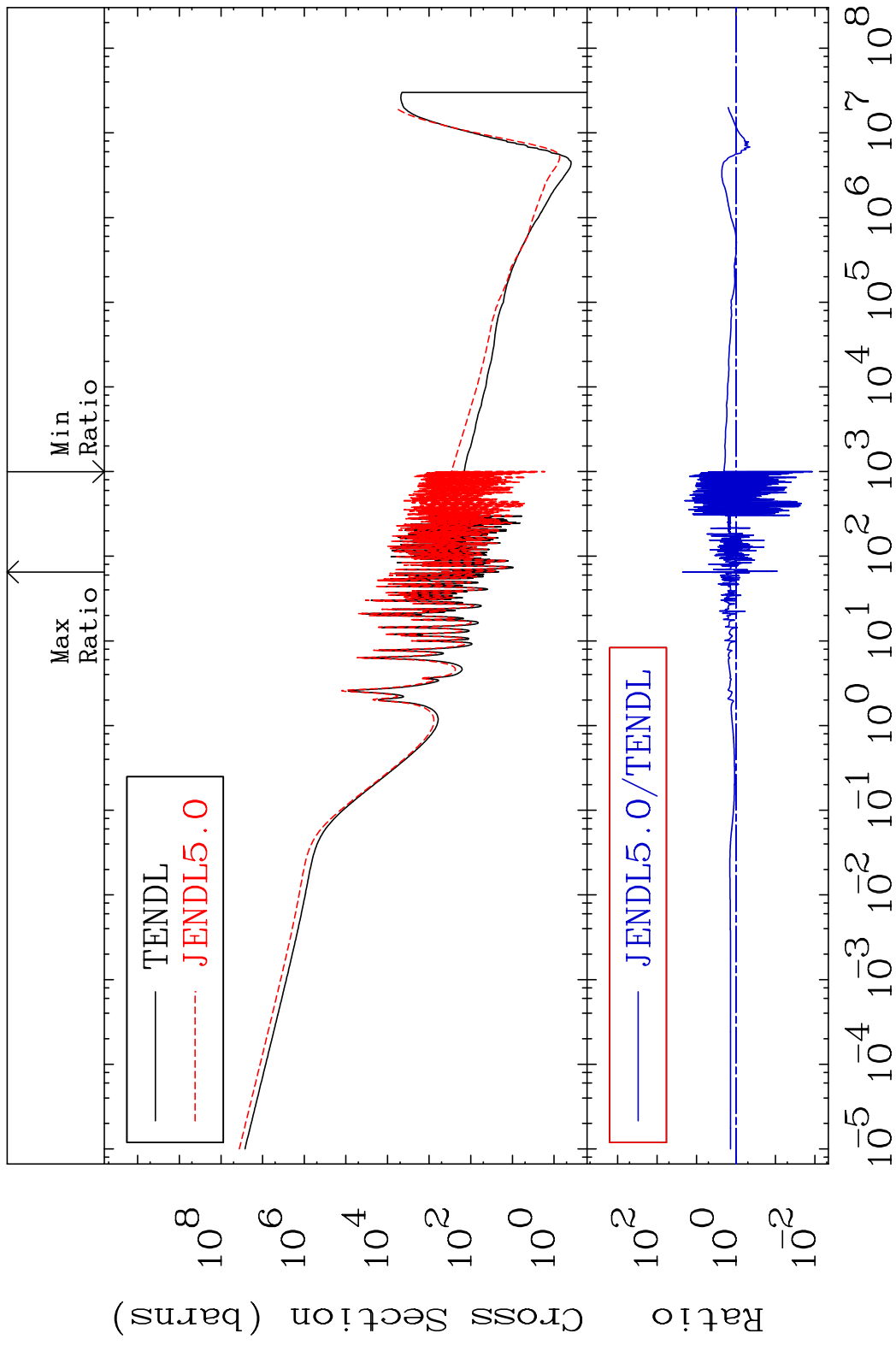
Incident Energy (eV)

64-Gd-155

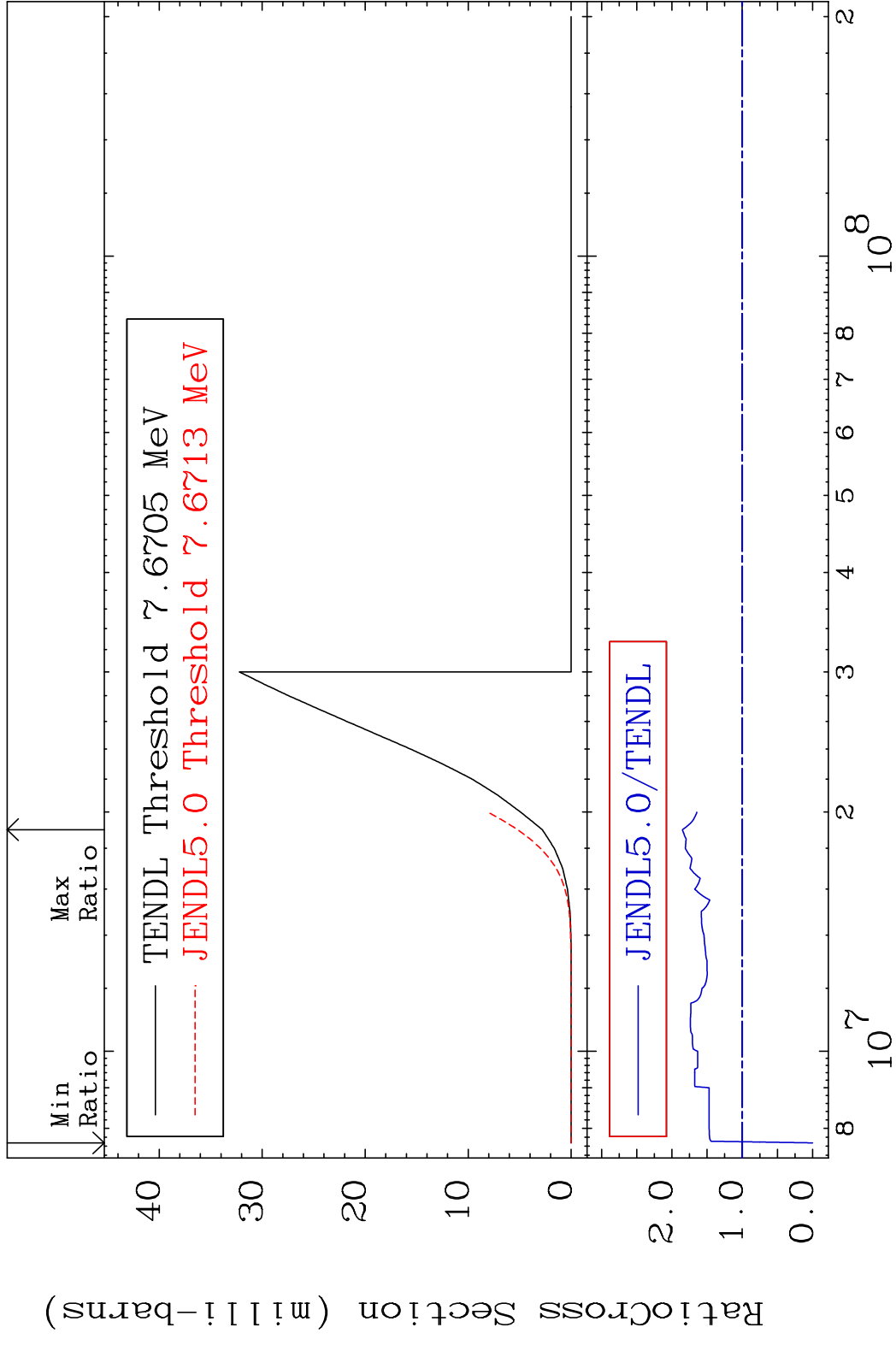
MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155
 Cross Section -99.99 To 9999. %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155
 Cross Section -98.86 To 2176. %



MAT 6434 (n, n') p:63-Eu-154g 64-Gd-155
 Radionuclide Production Cross Section Ratio 85.20 %



MAT 6434 (n,d):63-Eu-154g 64-Gd-155
 Radionuclide Production Cross Section (%)

