

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

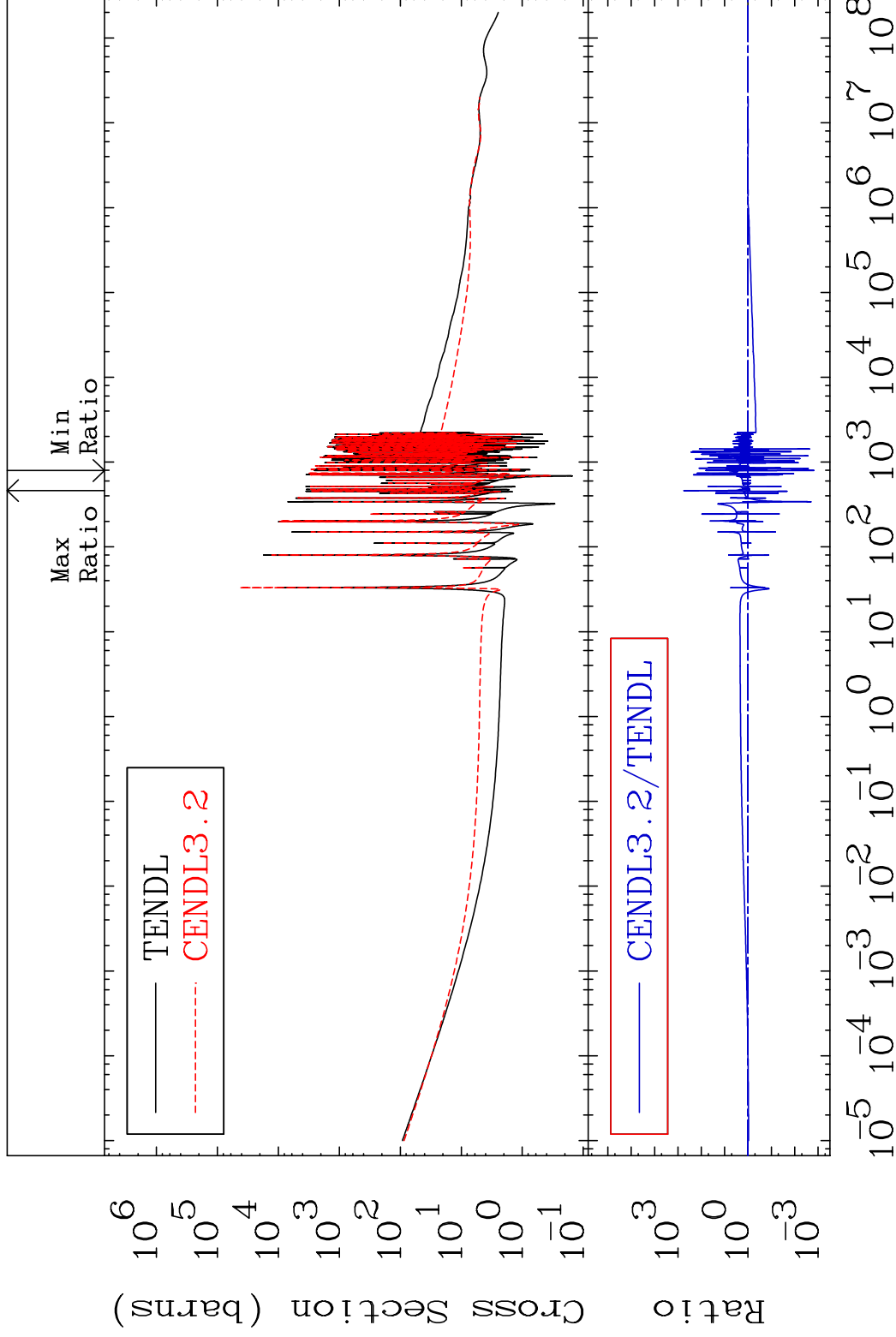
MAT 6437

Total

64-Gd-156

Cross Section

-99.85 To 9999. %



1

Incident Energy (eV)

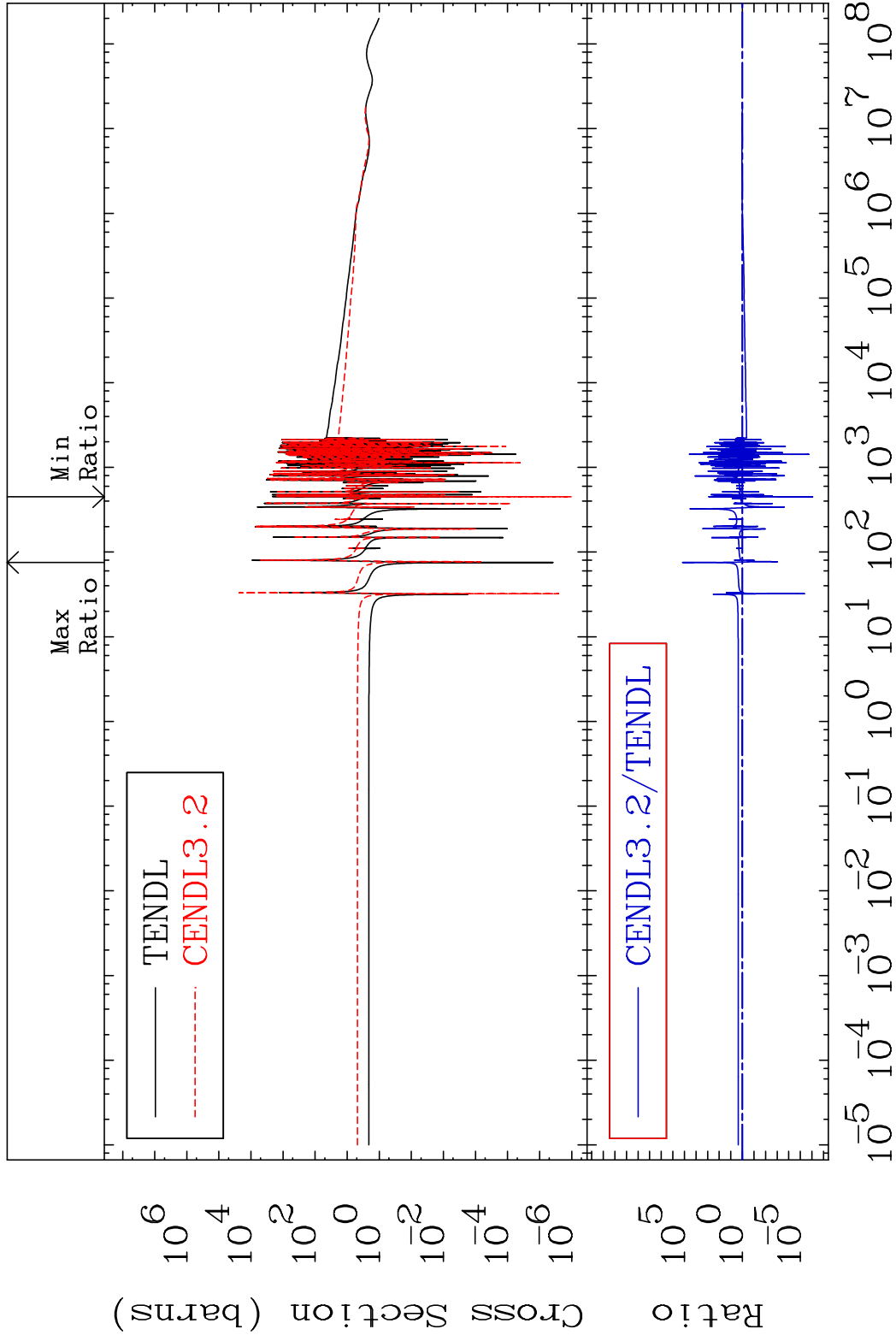
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

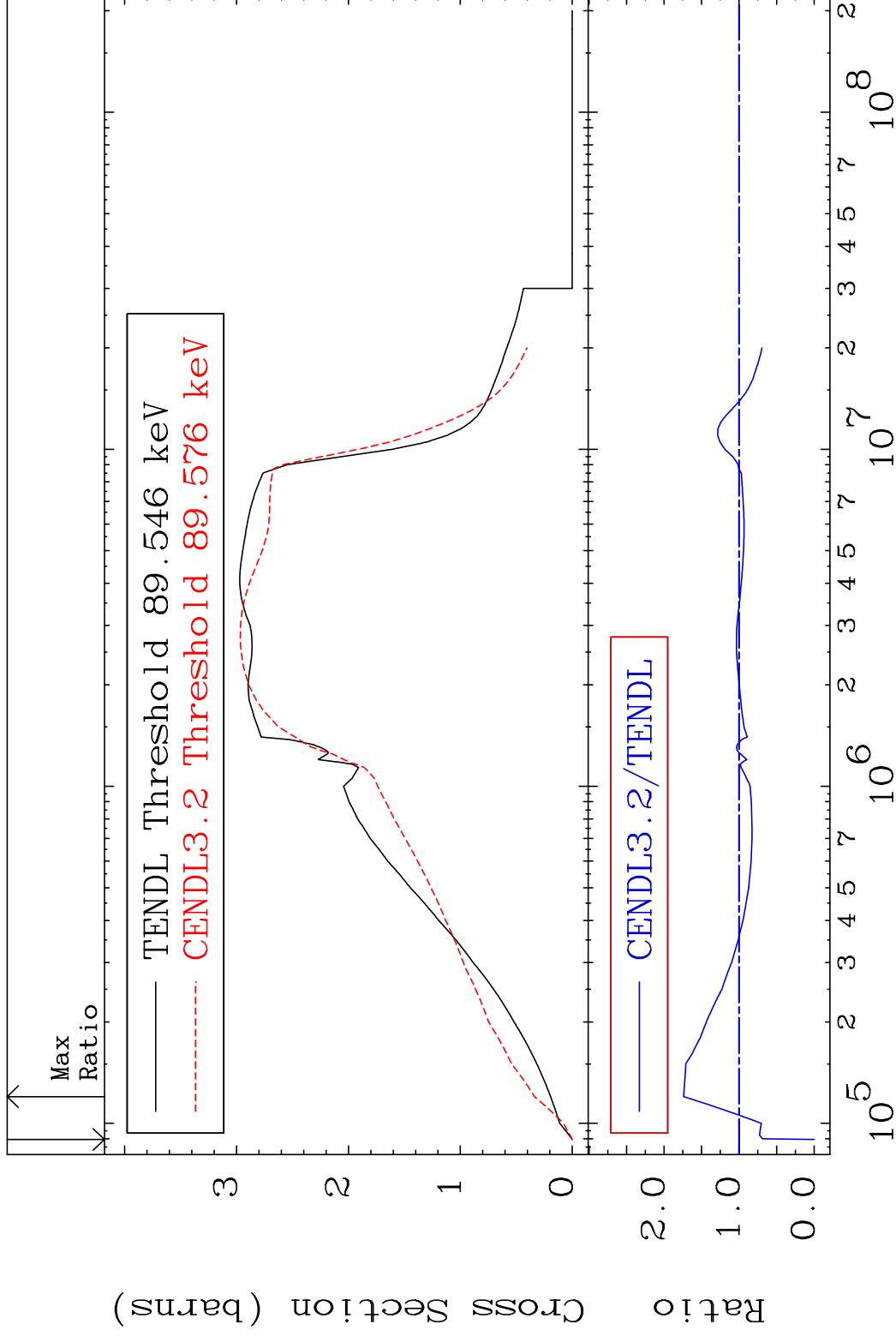
64-Gd-156

MAT 6437

Inelastic

64-Gd-156

Cross Section -100.0 To 73.86 %



3

Incident Energy (eV)

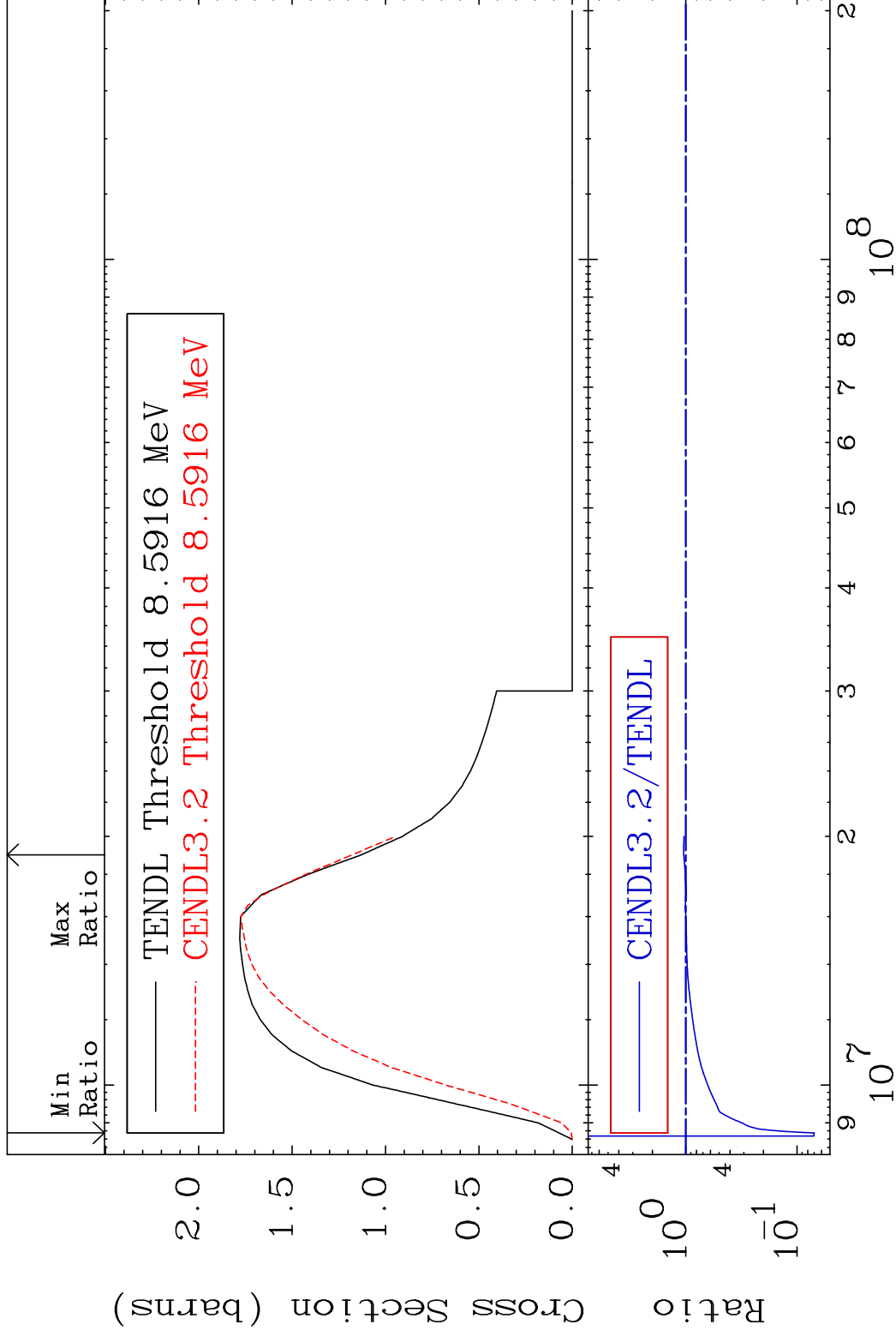
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -93.00 To 4.437 %



4

Incident Energy (eV)

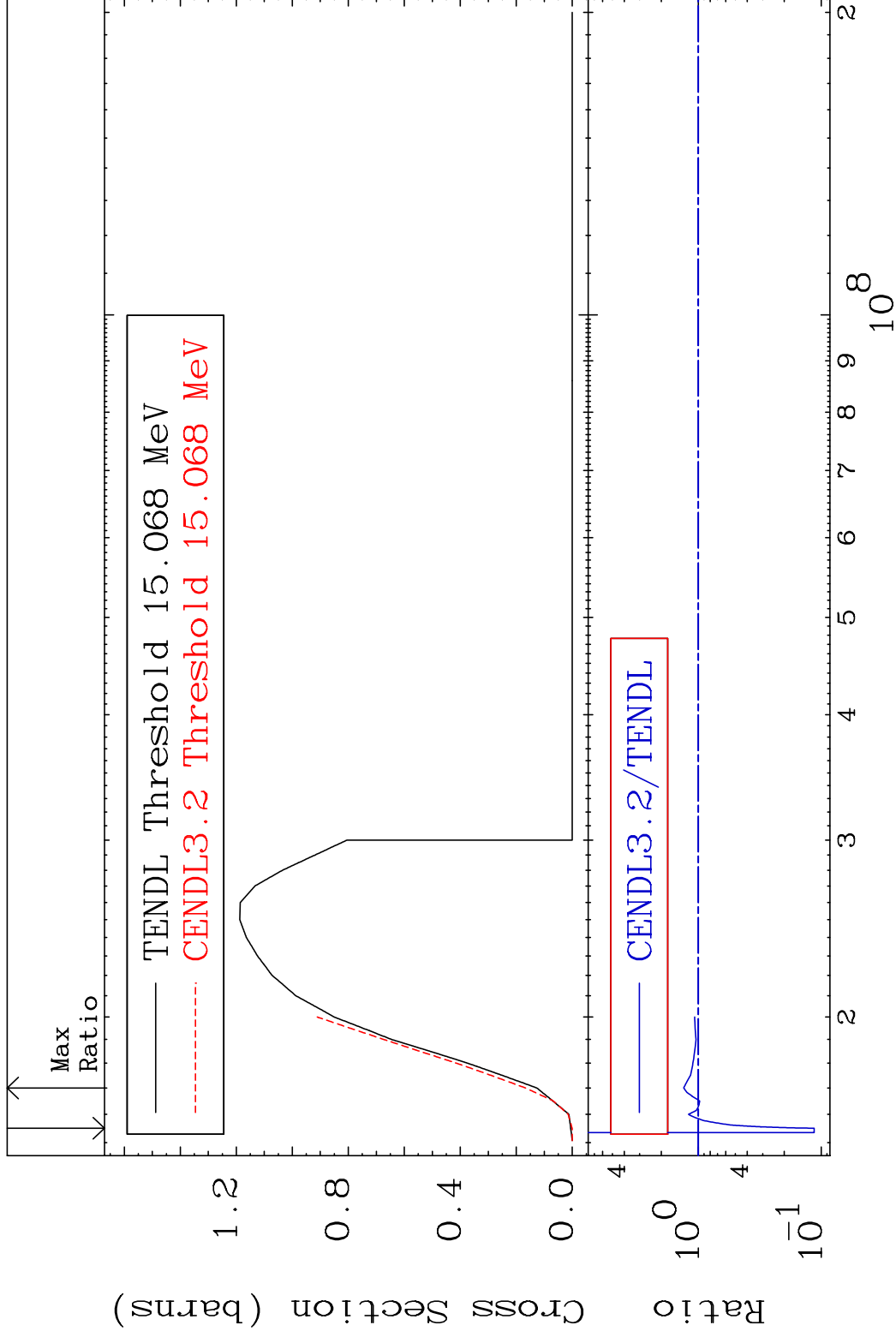
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section -88.56 To 31.67 %



5

Incident Energy (eV)

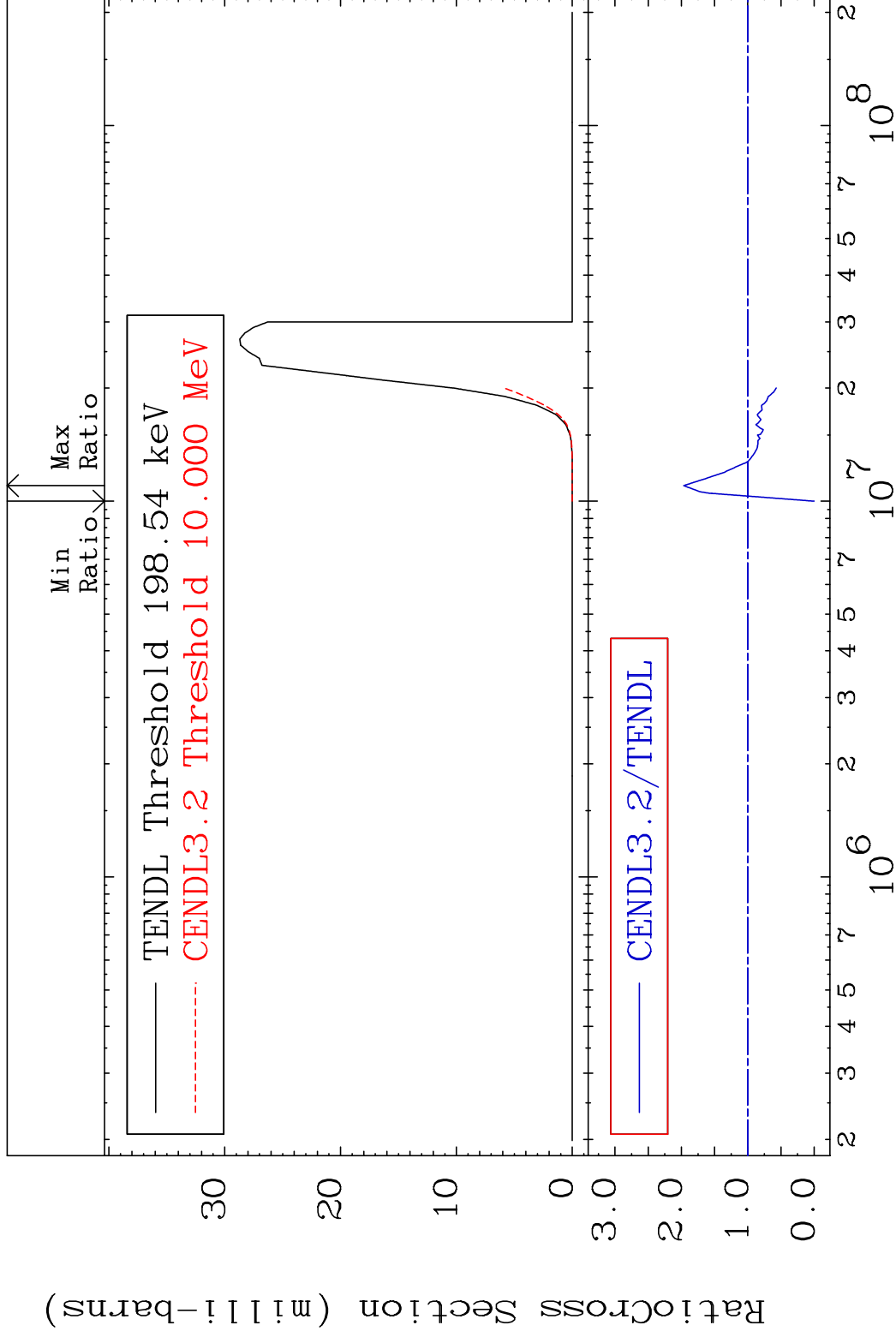
64-Gd-156

MAT 6437

(n, n') α

64-Gd-156

Cross Section -100.0 To 96.58 %



6

Incident Energy (eV)

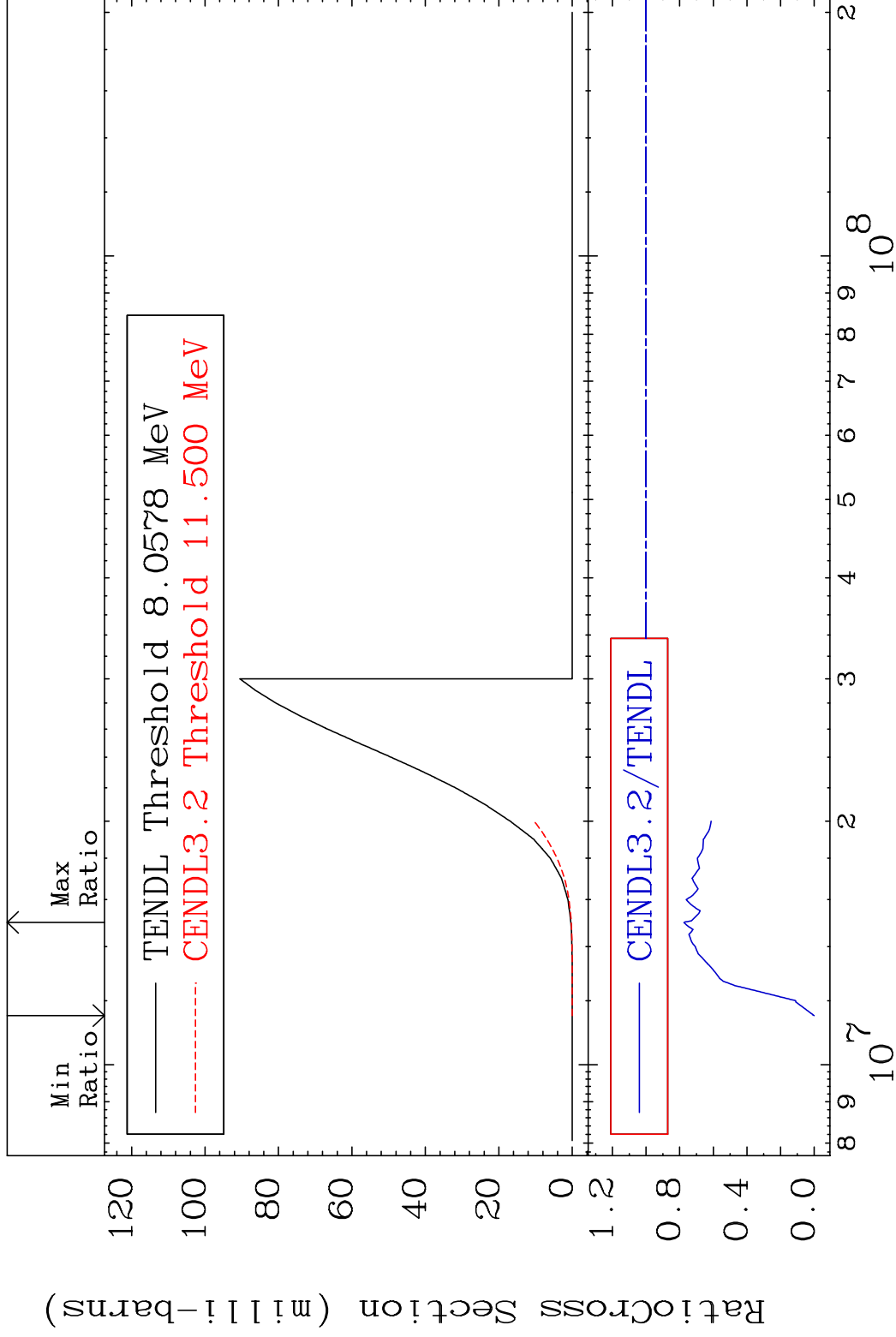
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To -22.37%

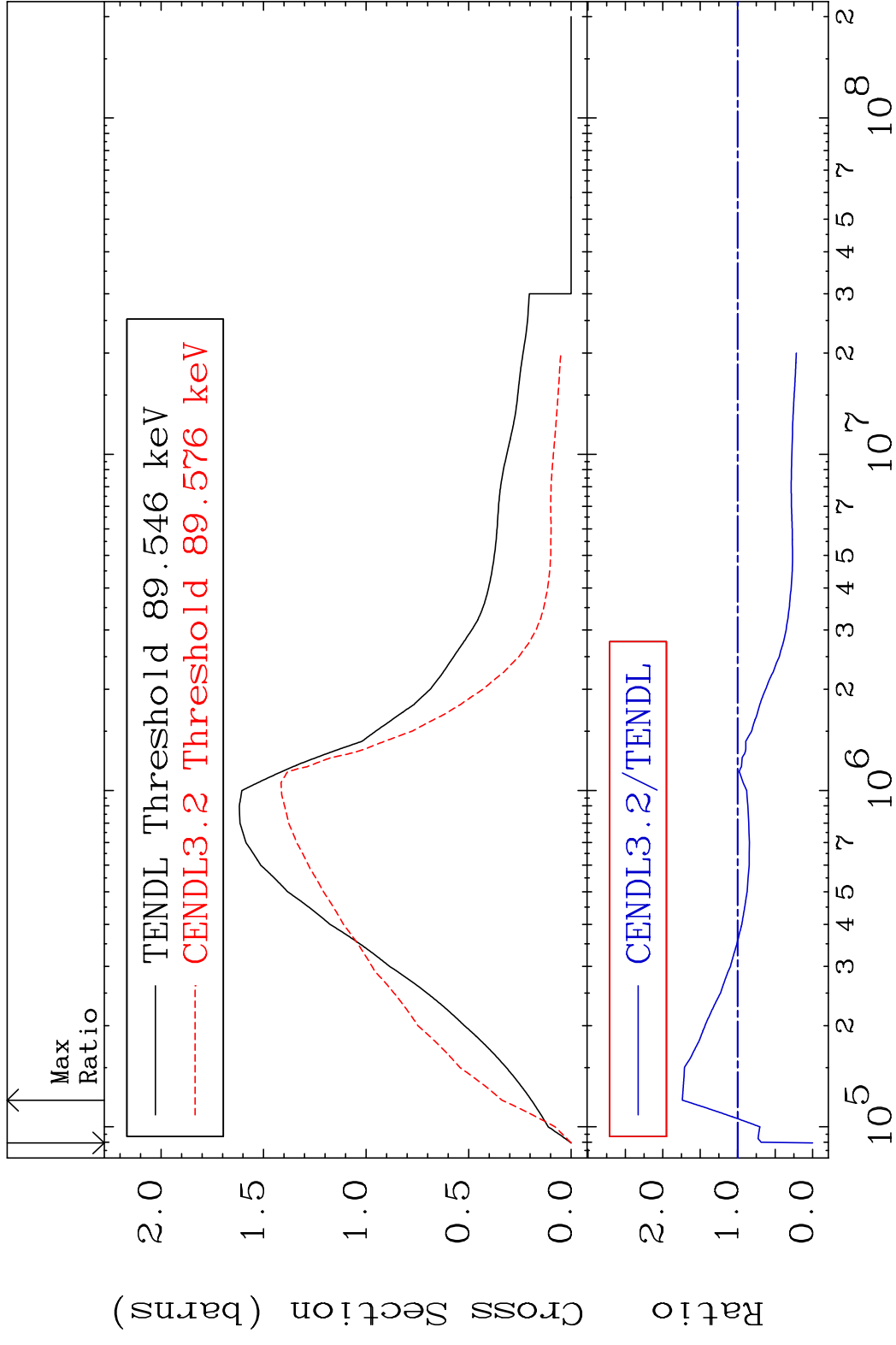


7

Incident Energy (eV)

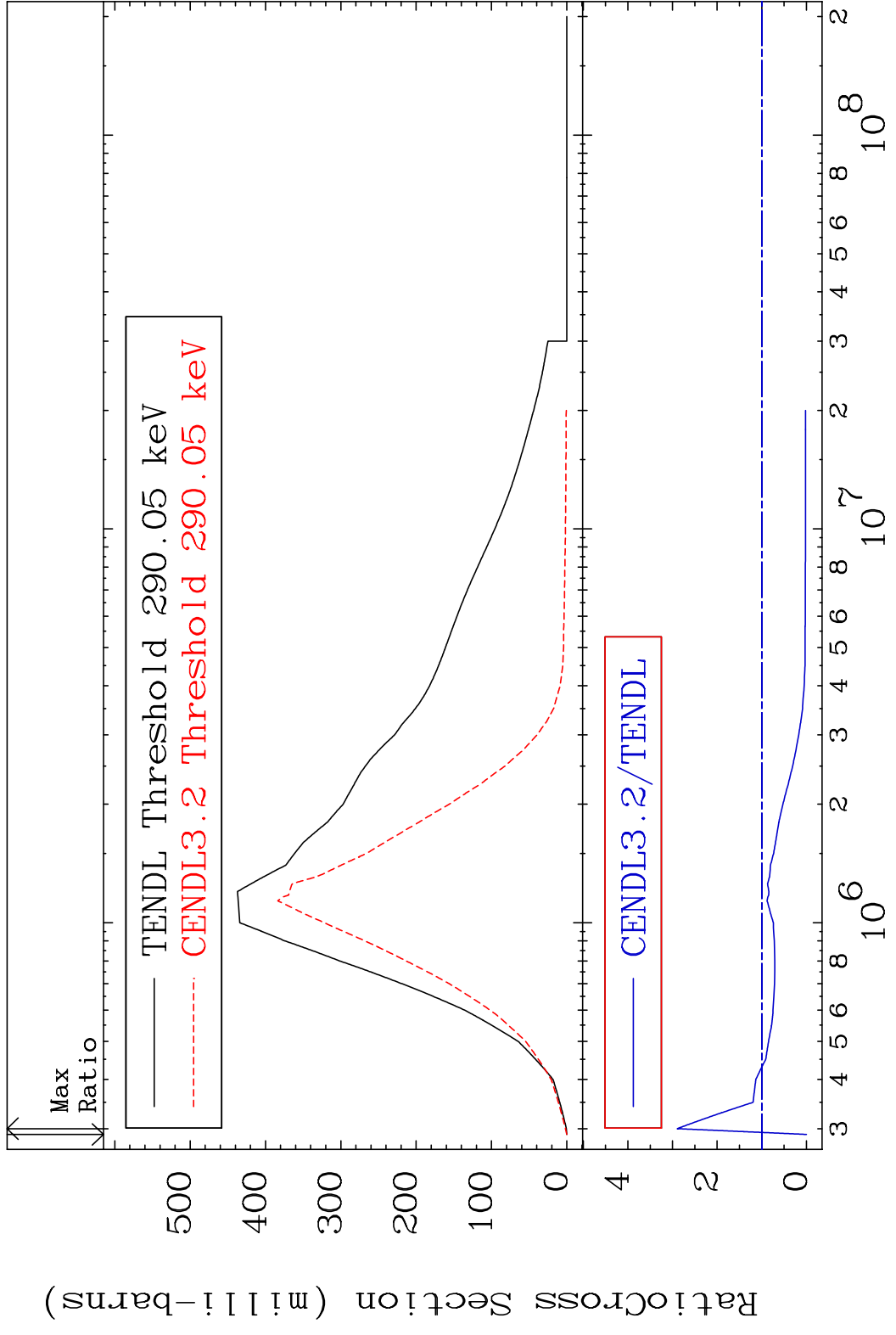
64-Gd-156

MAT 6437 MT= 51 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 73.86 %

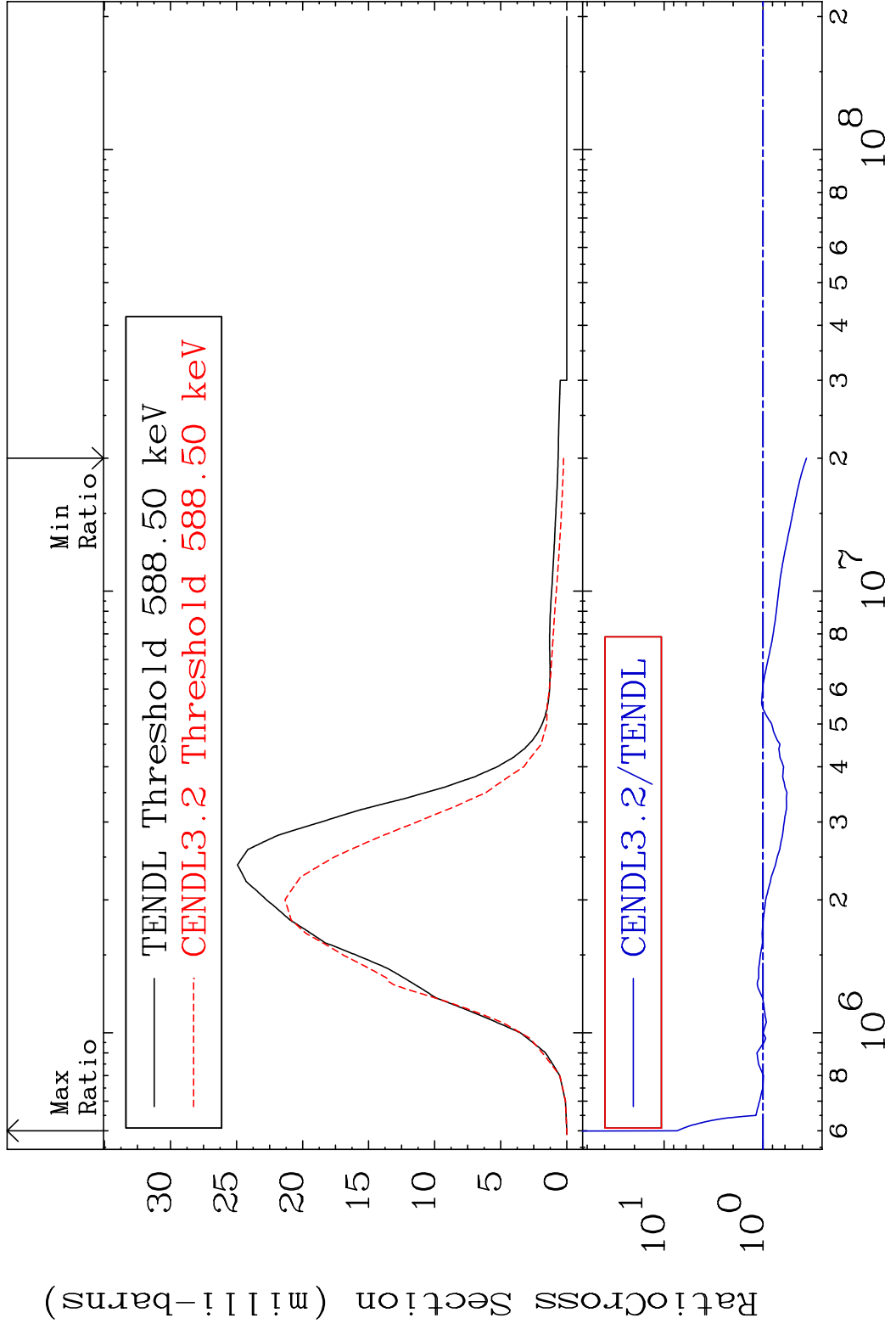


8 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 52 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 189.5 %

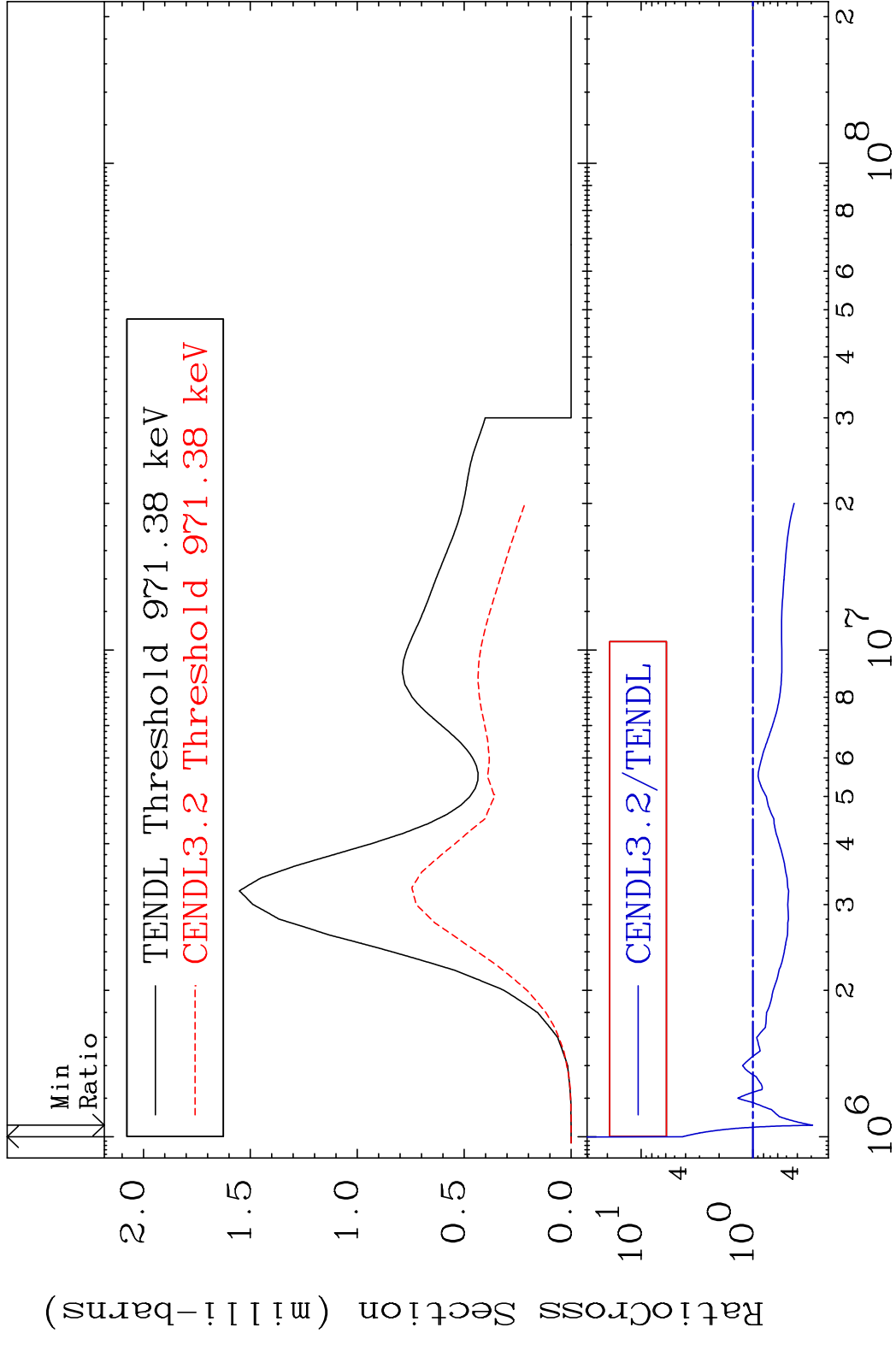


MAT 6437 MT= 53 (n, n') Level 64-Gd-156
 Cross Section -63.64 To 637.7 %

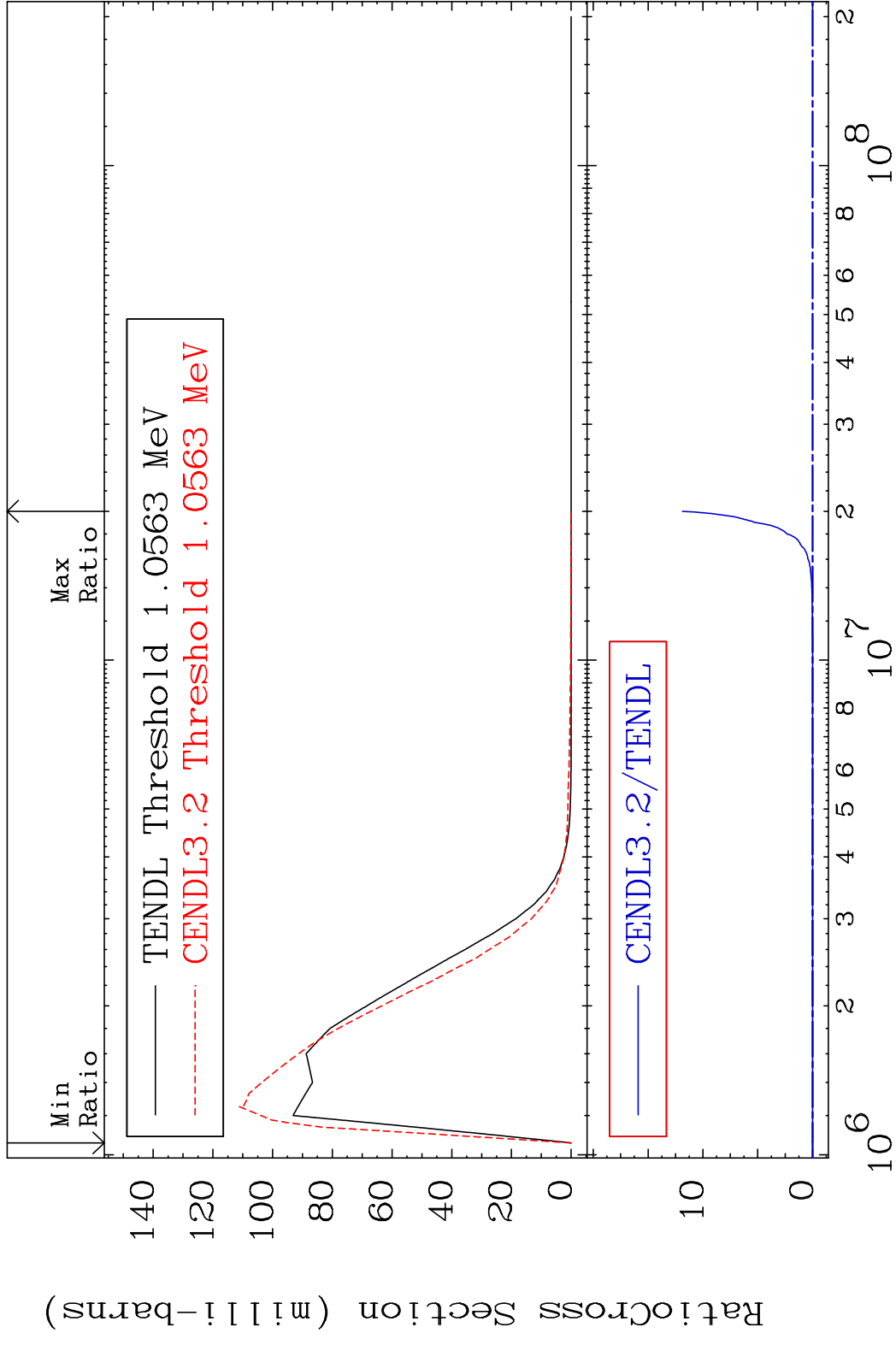


10 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 54 (n, n') Level 64-Gd-156
 Cross Section -70.777 To 326.8 %

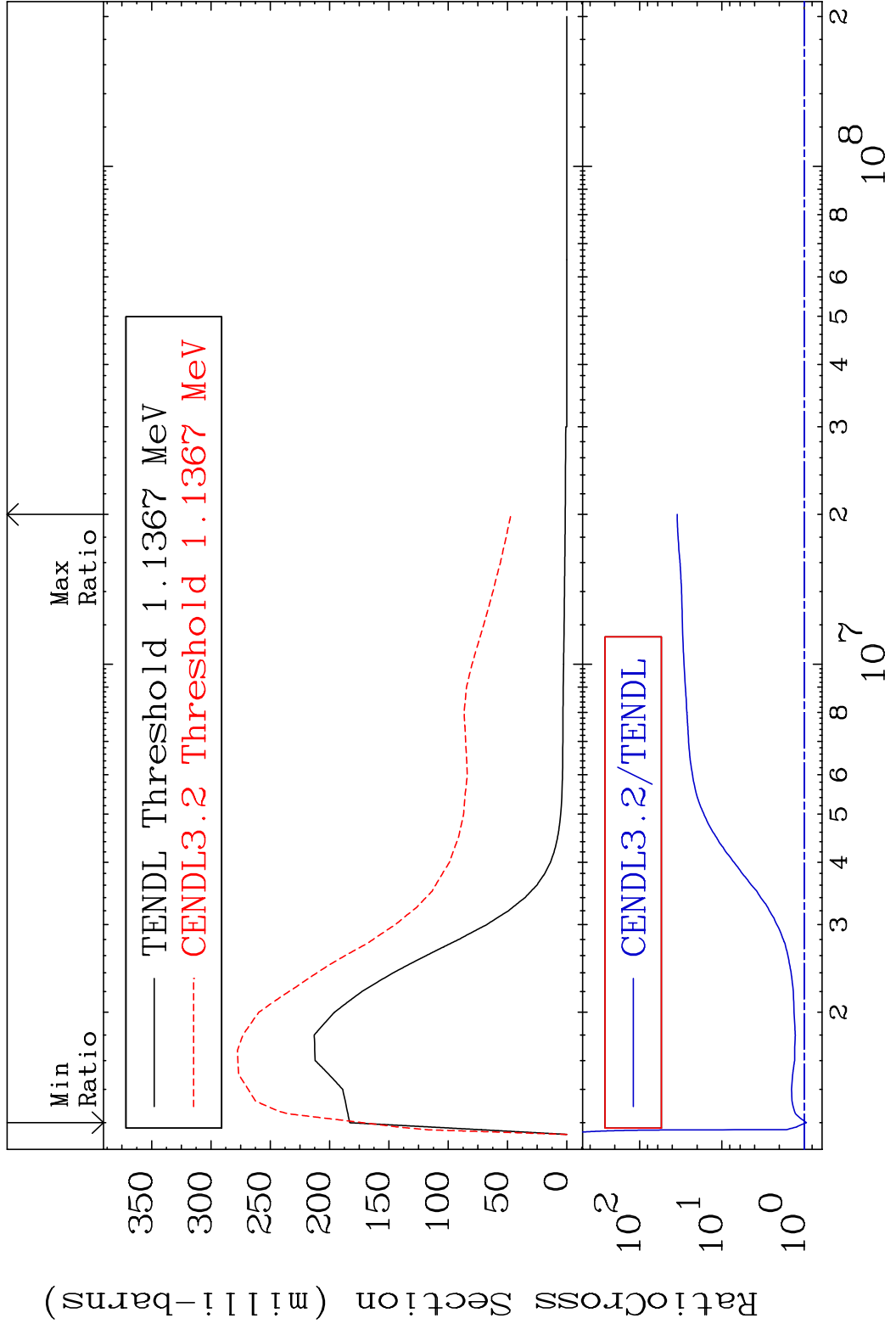


MAT 6437 MT= 55 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %

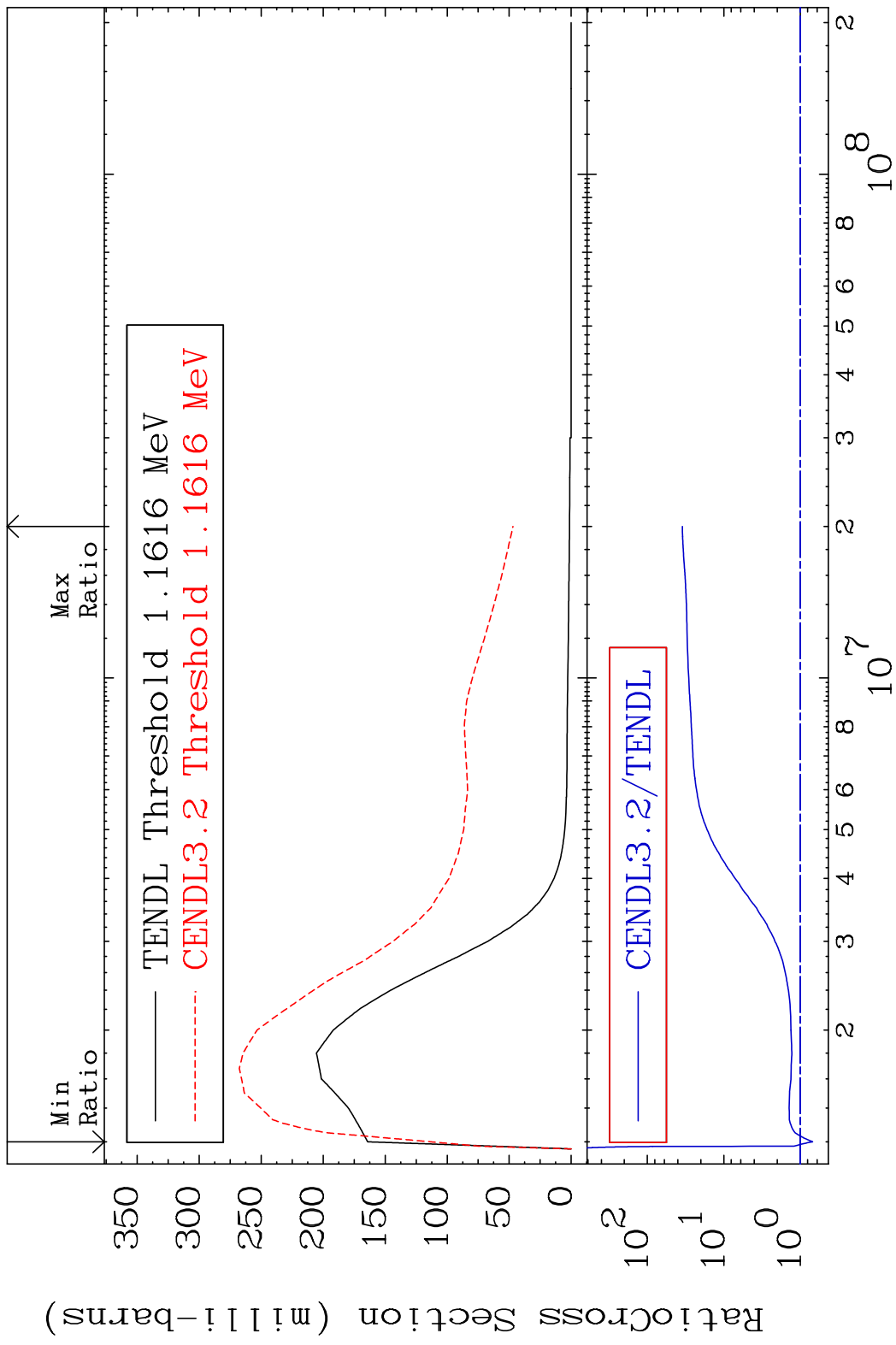


12 Incident Energy (eV) 64-Gd-156

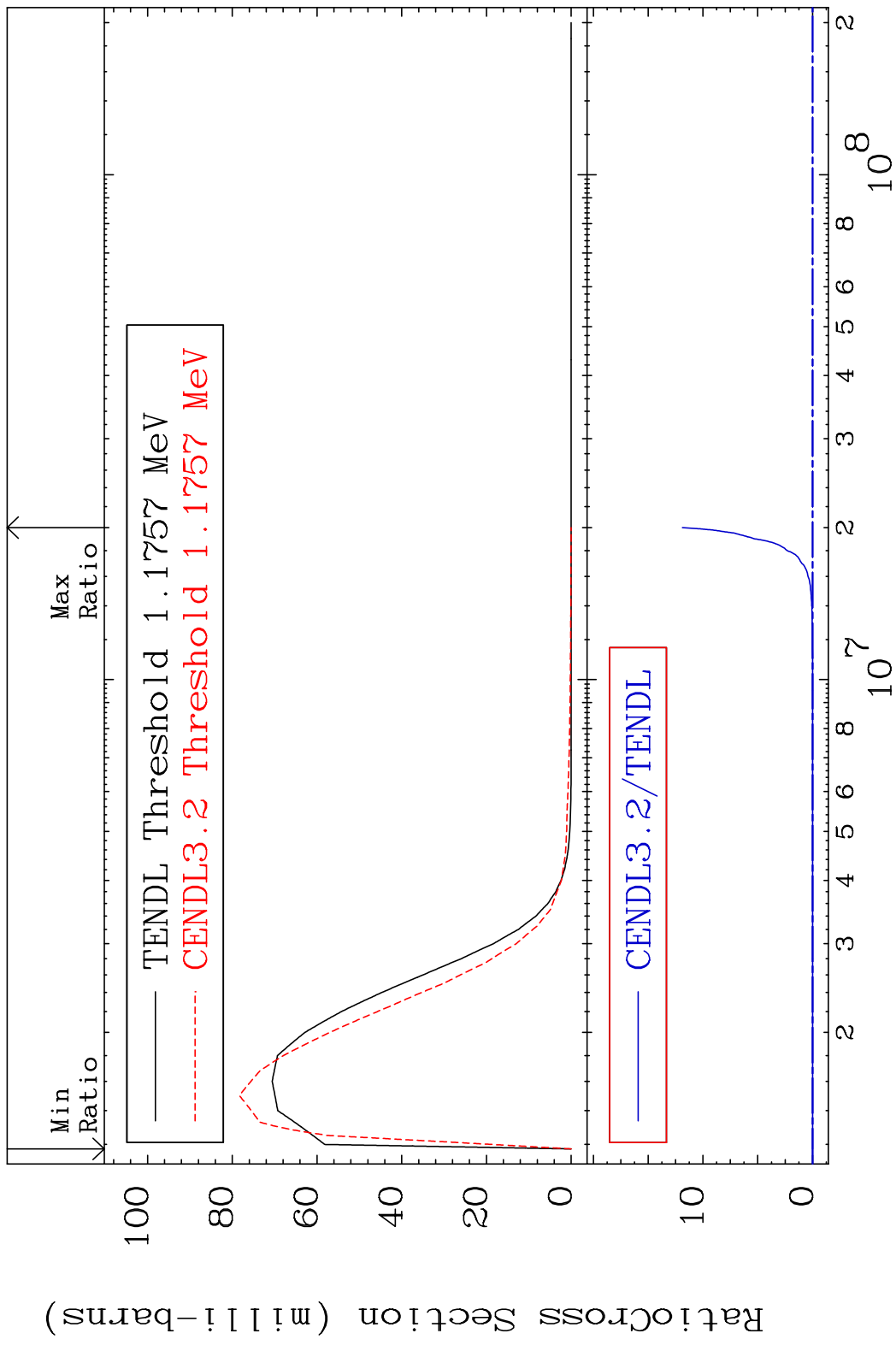
MAT 6437 MT= 56 (n, n') Level 64-Gd-156
 Cross Section -6.135 To 3389. %



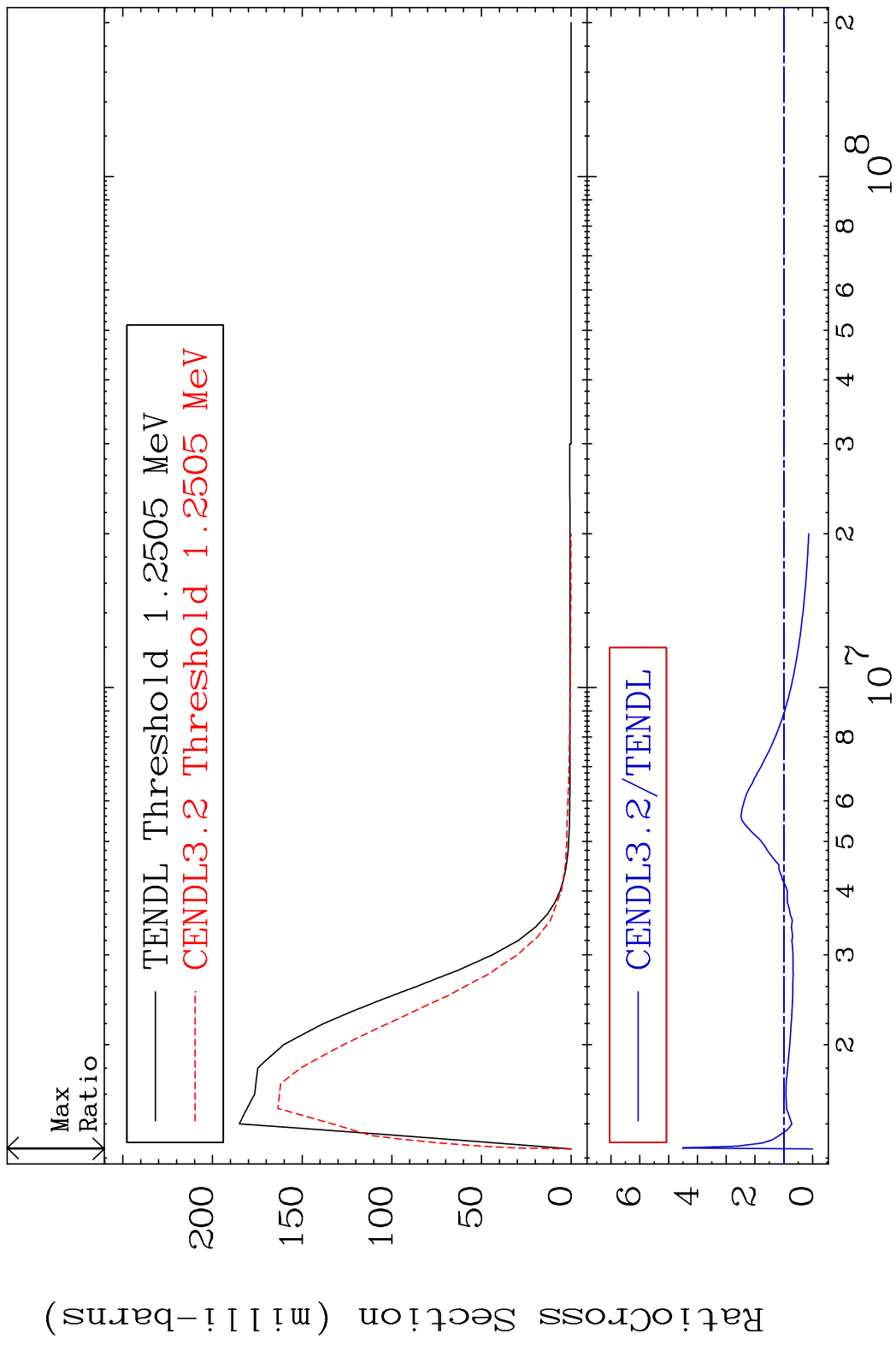
MAT 6437 MT= 57 (n, n') Level 64-Gd-156
 Cross Section -30.99 To 3384. %



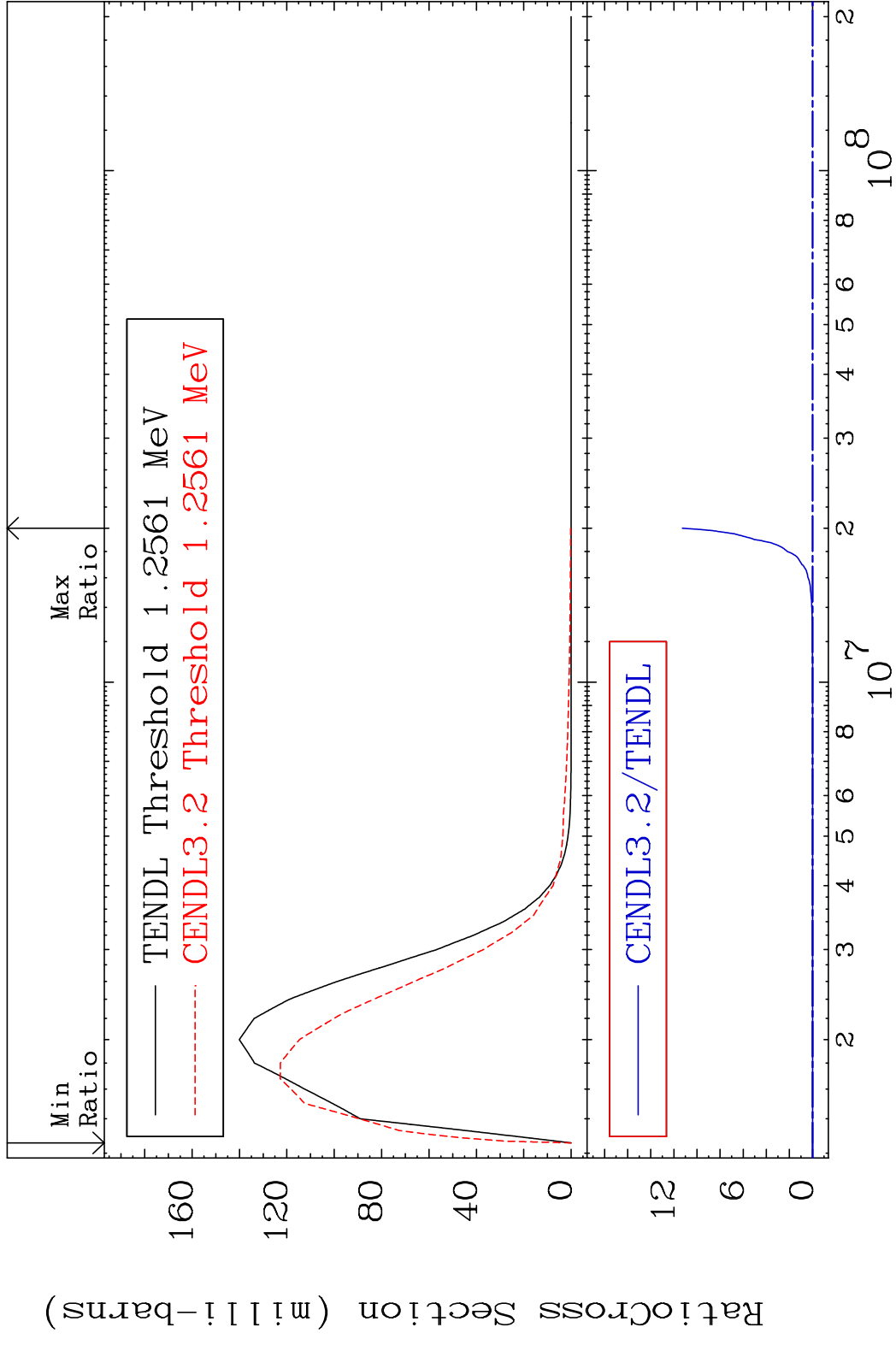
MAT 6437 MT= 58 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



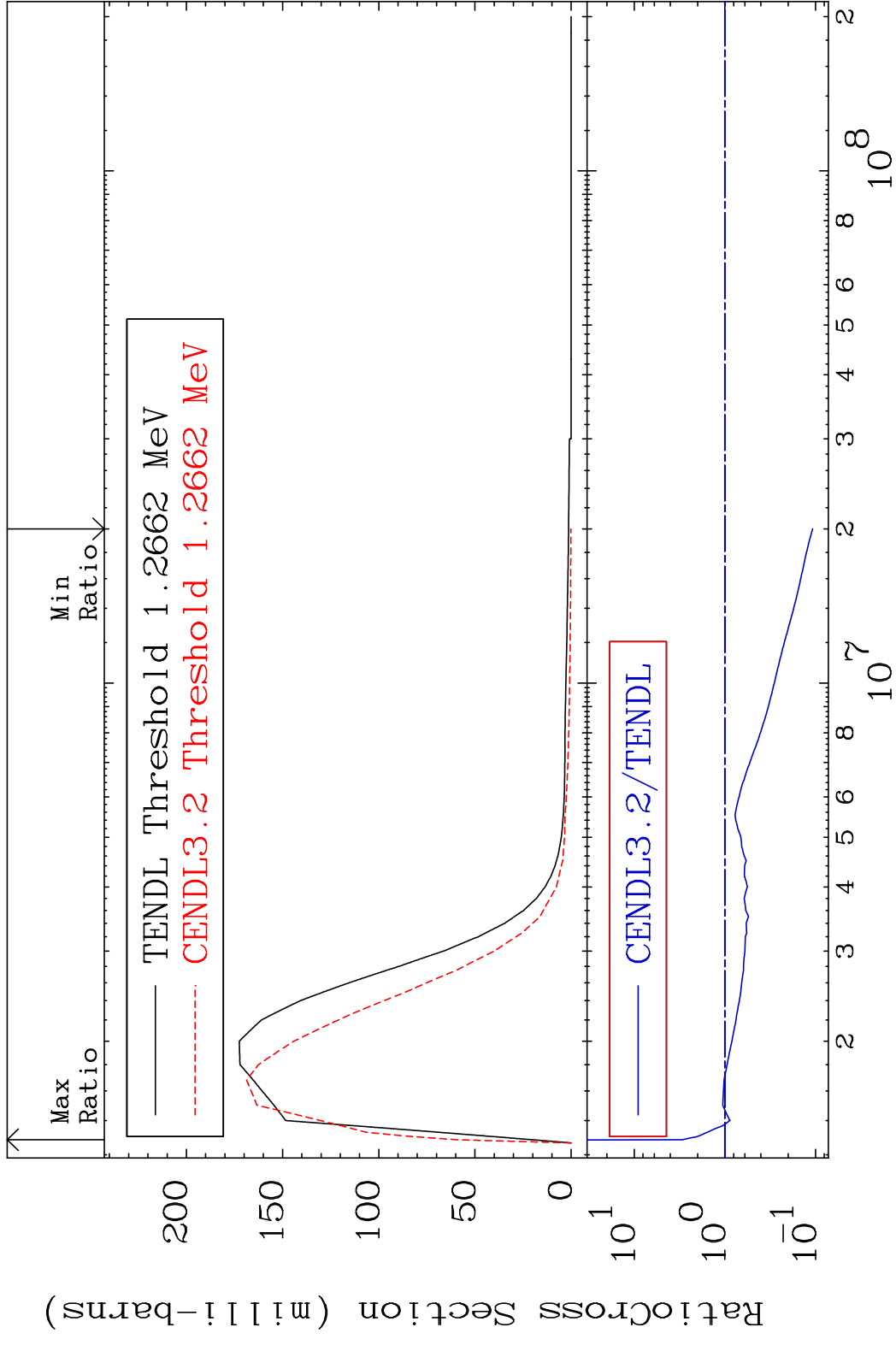
MAT 6437 MT= 59 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 352.3 %



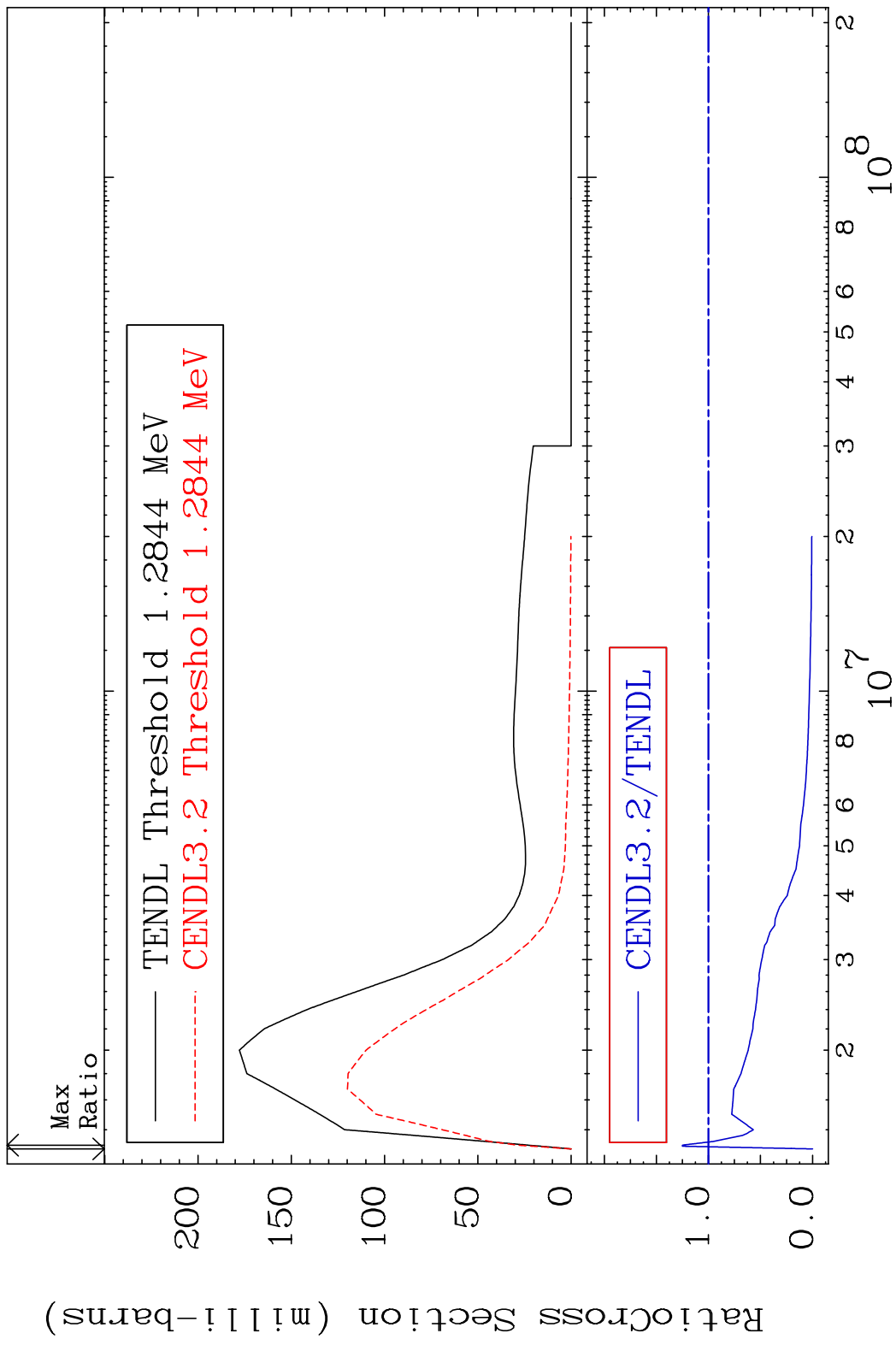
MAT 6437 MT= 60 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



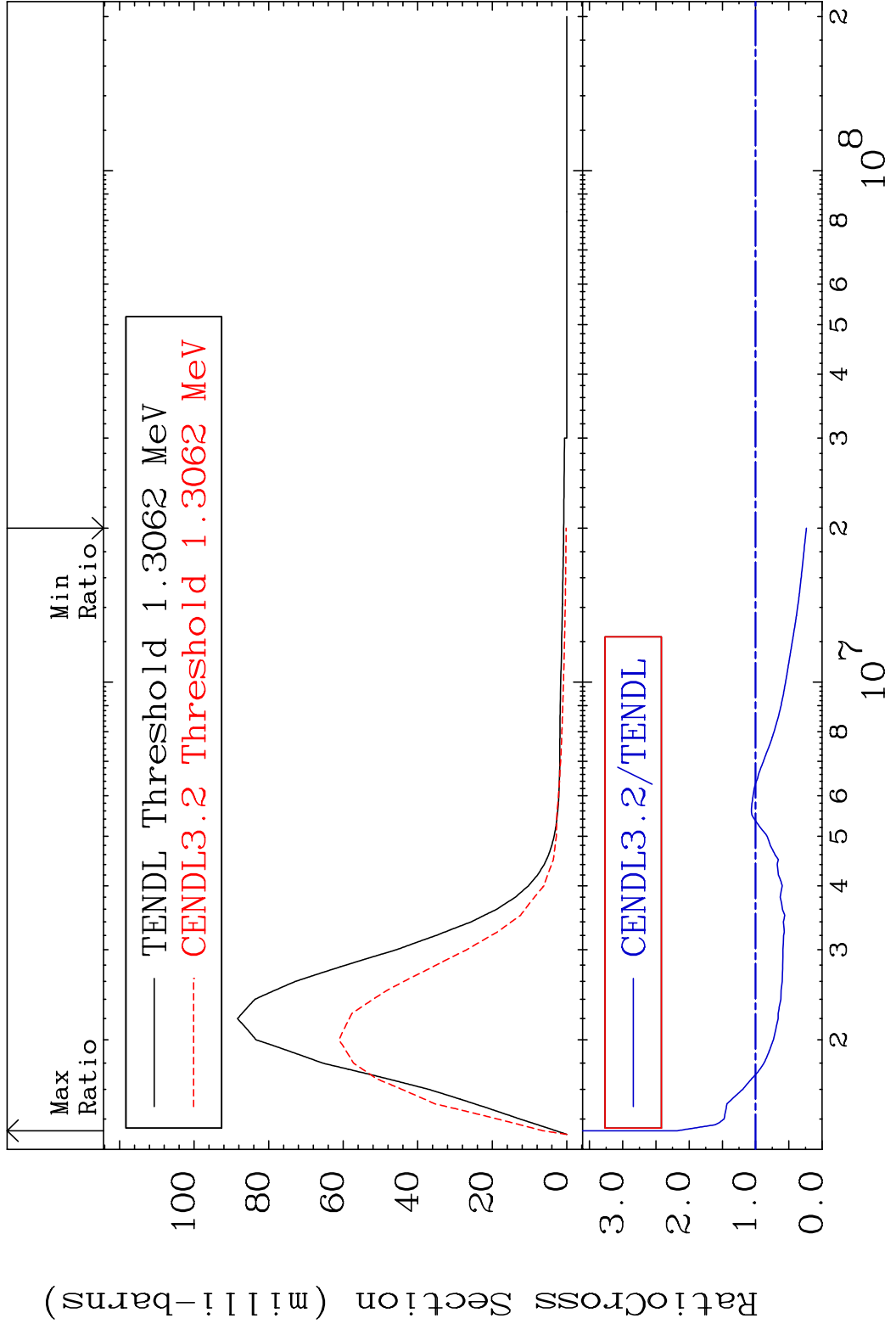
MAT 6437 MT= 61 (n, n') Level 64-Gd-156
 Cross Section -89.23 To 194.4 %



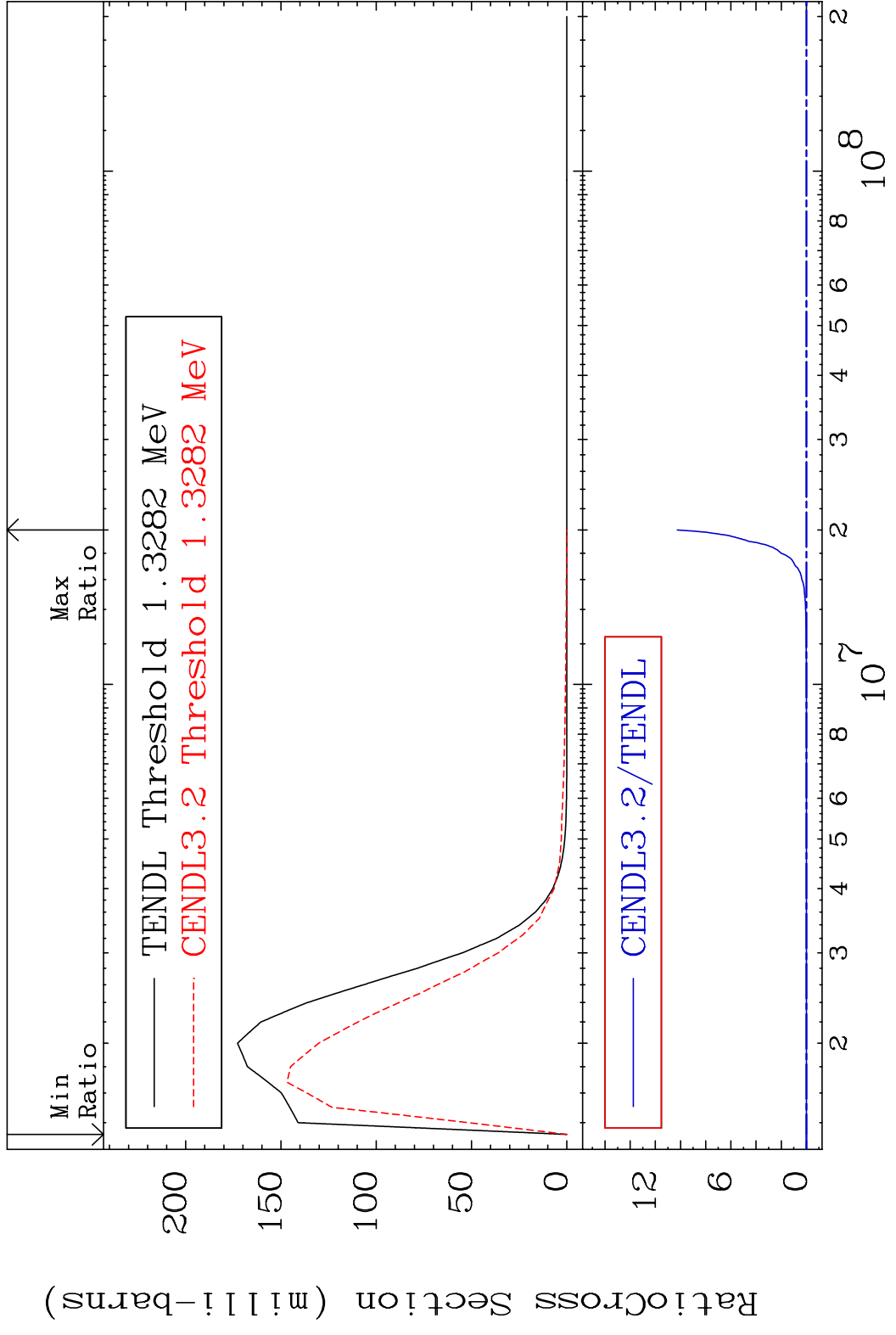
MAT 6437 MT= 62 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 25.03 %



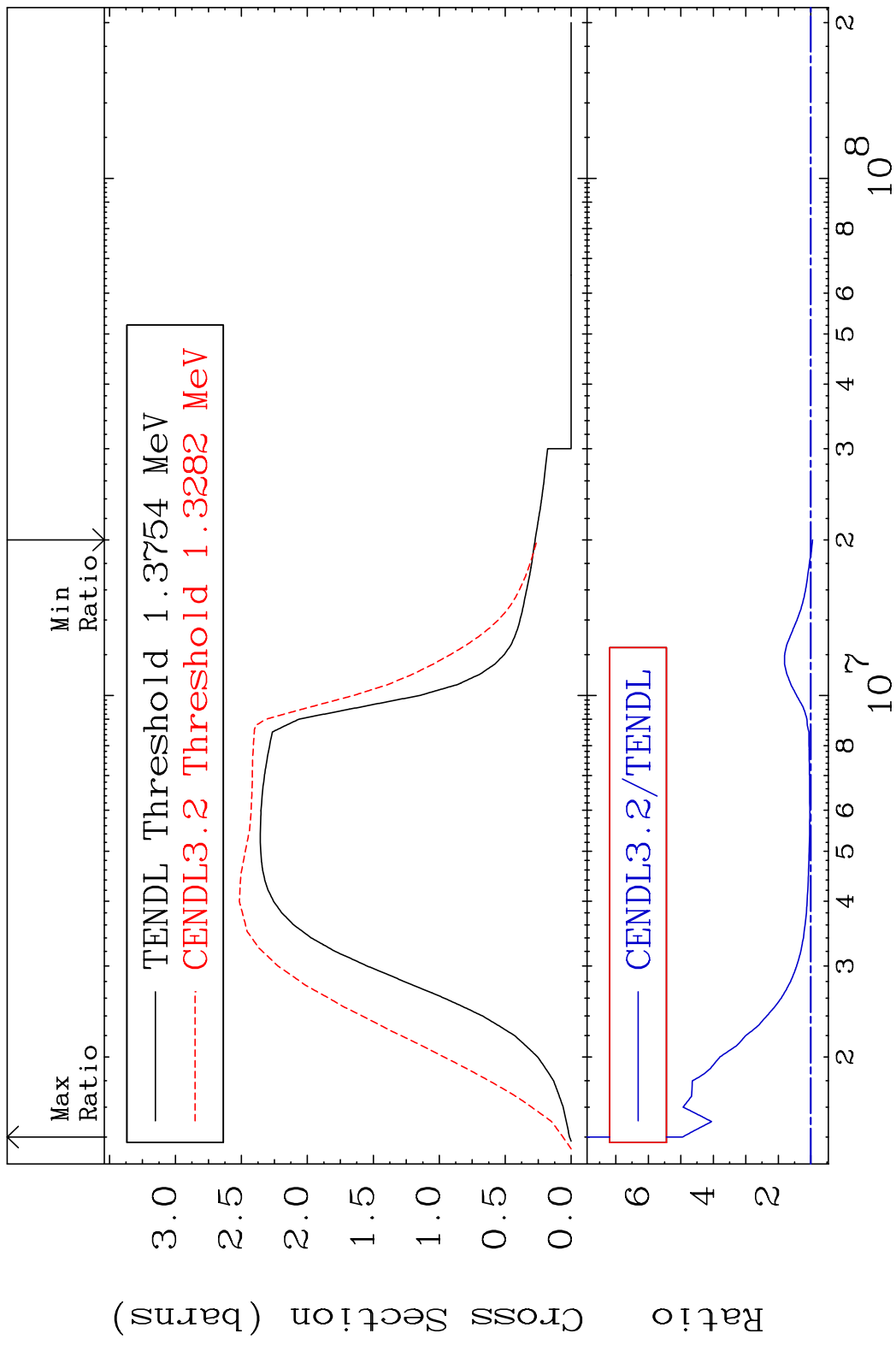
MAT 6437 MT= 63 (n, n') Level 64-Gd-156
 Cross Section -76.45 To 118.0 %



MAT 6437 MT= 64 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



MAT 6437 (n, n') Continuum 64-Gd-156
 Cross Section -5.367 To 395.2 %

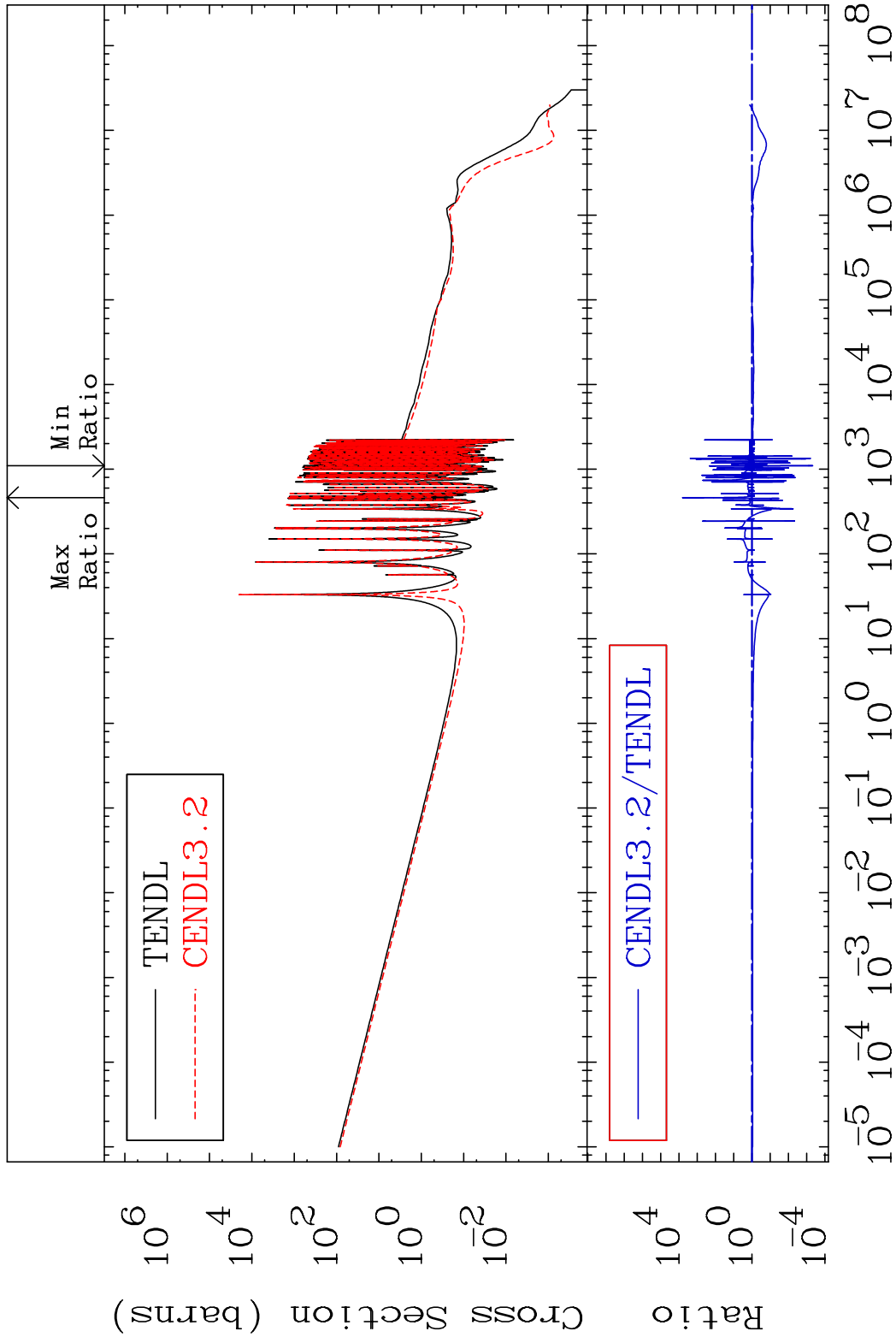


MAT 6437

(n, γ)

64-Gd-156

Cross Section -99.95 To 9999. %



23

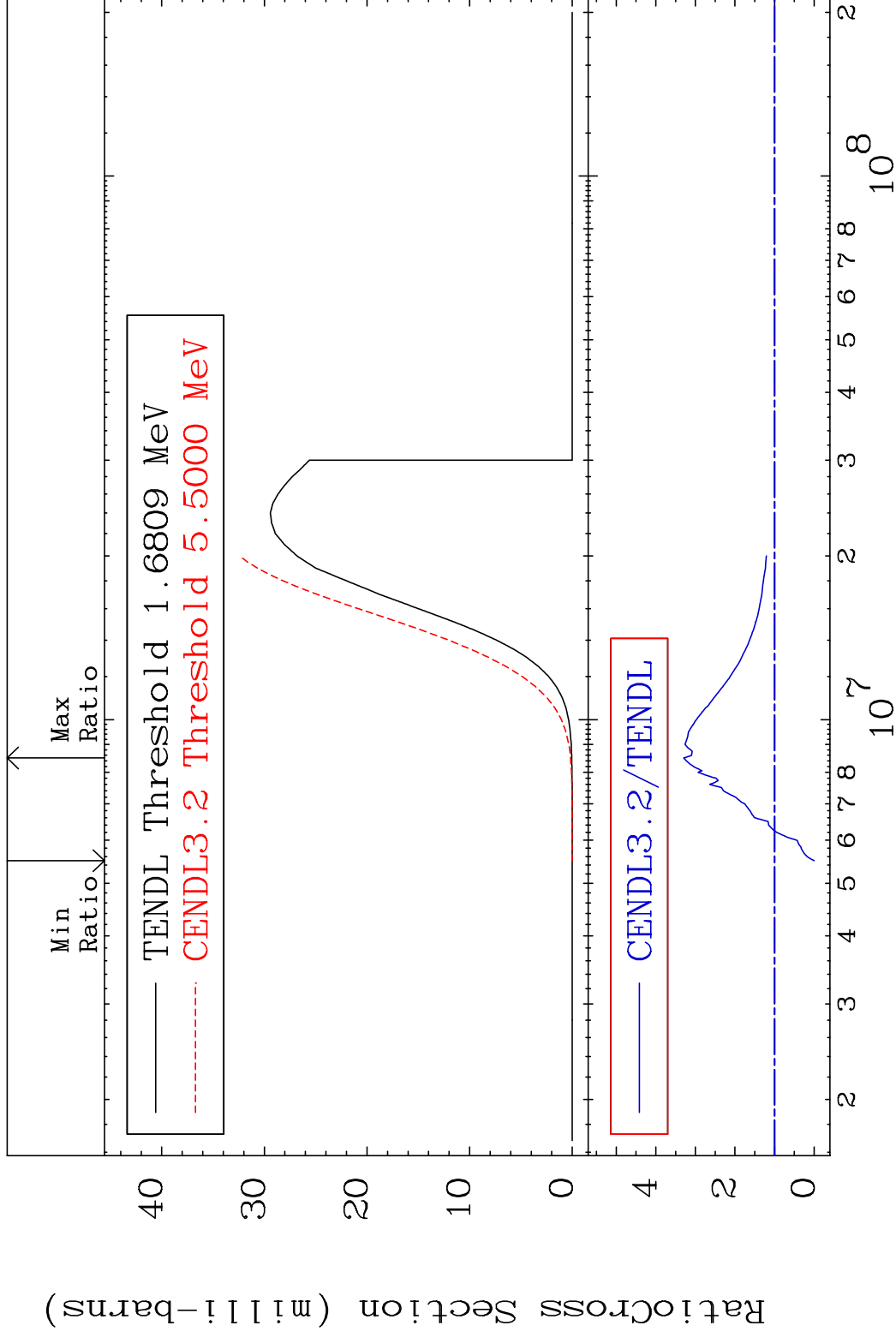
Incident Energy (eV) 64-Gd-156

MAT 6437

(n,p)

64-Gd-156

Cross Section -100.0 To 229.6 %



24

Incident Energy (eV)

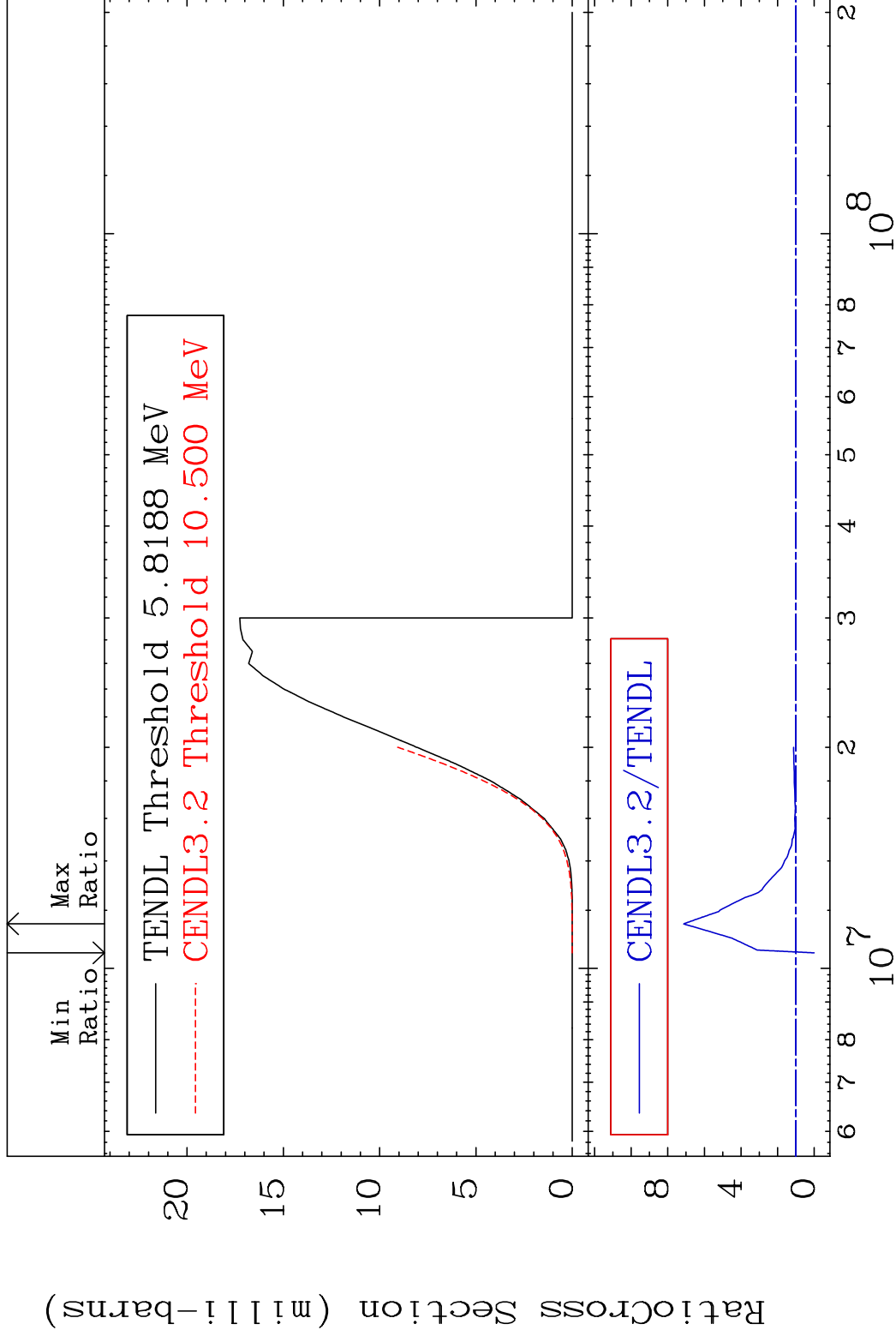
64-Gd-156

MAT 6437

(n, d)

64-Gd-156

Cross Section -100.0 To 613.3 %



25

Incident Energy (eV)

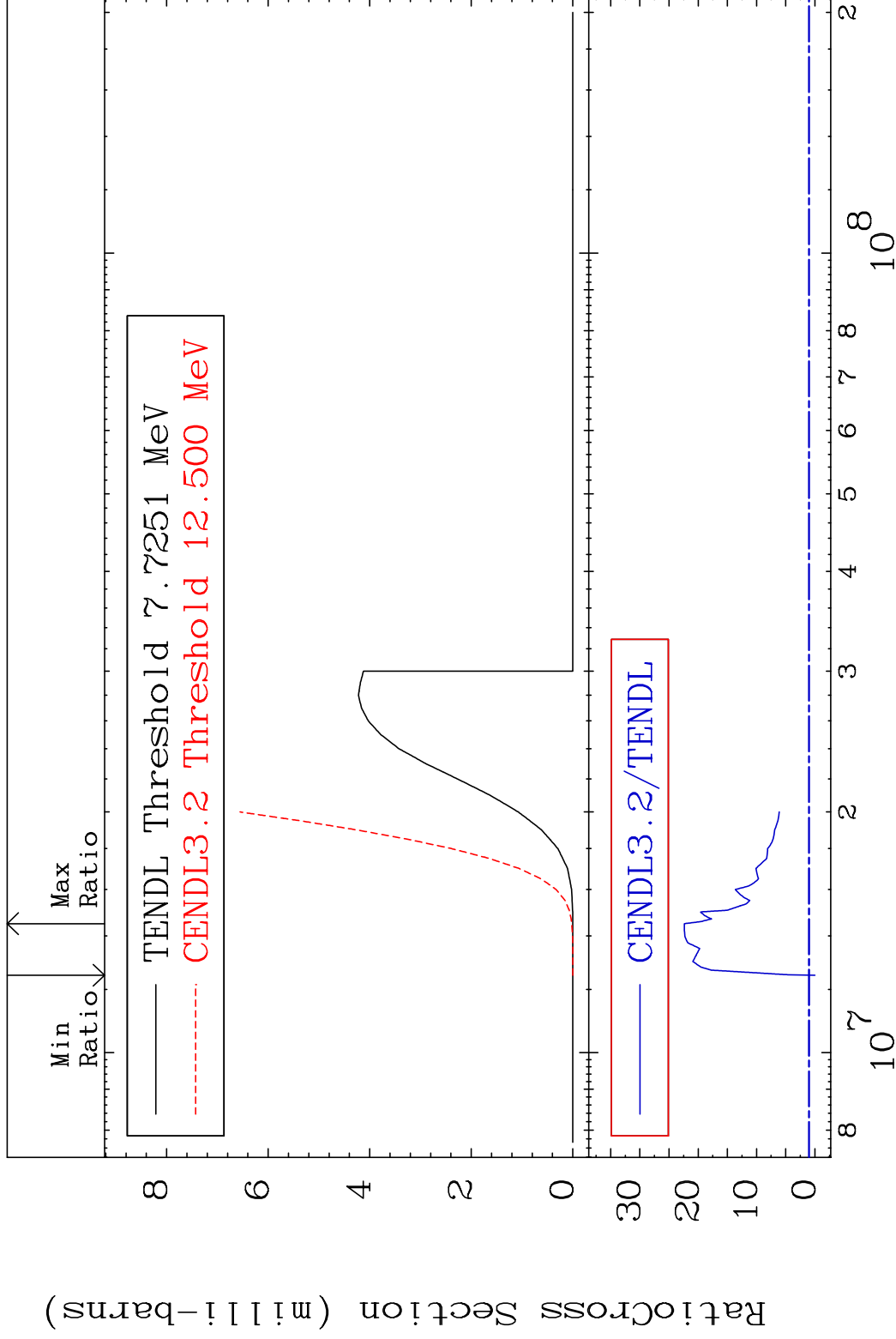
64-Gd-156

MAT 6437

(n, t)

64-Gd-156

Cross Section -100.0 To 2138. %



26

Incident Energy (eV)

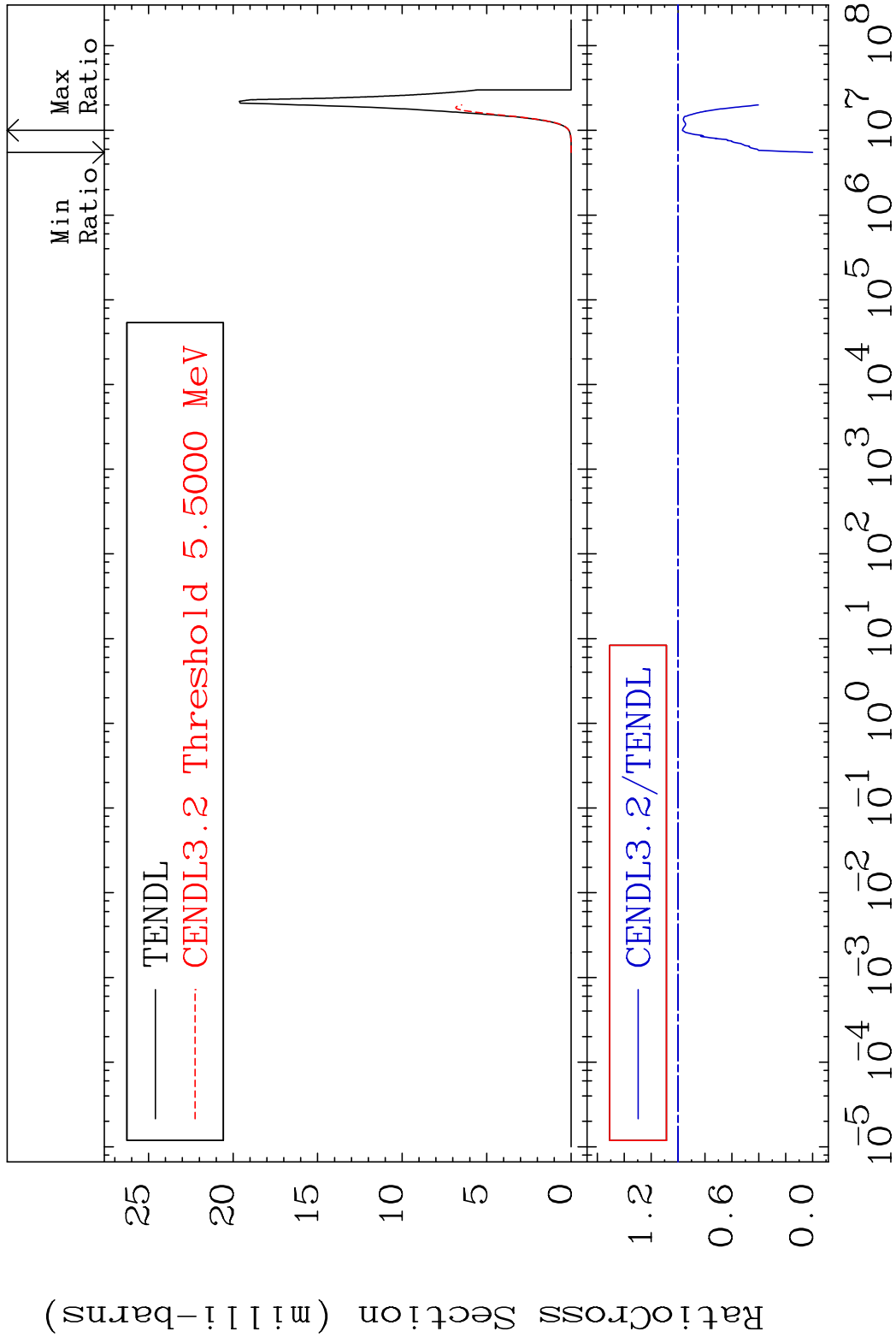
64-Gd-156

MAT 6437

(n, α)

64-Gd-156

Cross Section -100.0 To -3.184%



27

Incident Energy (eV)

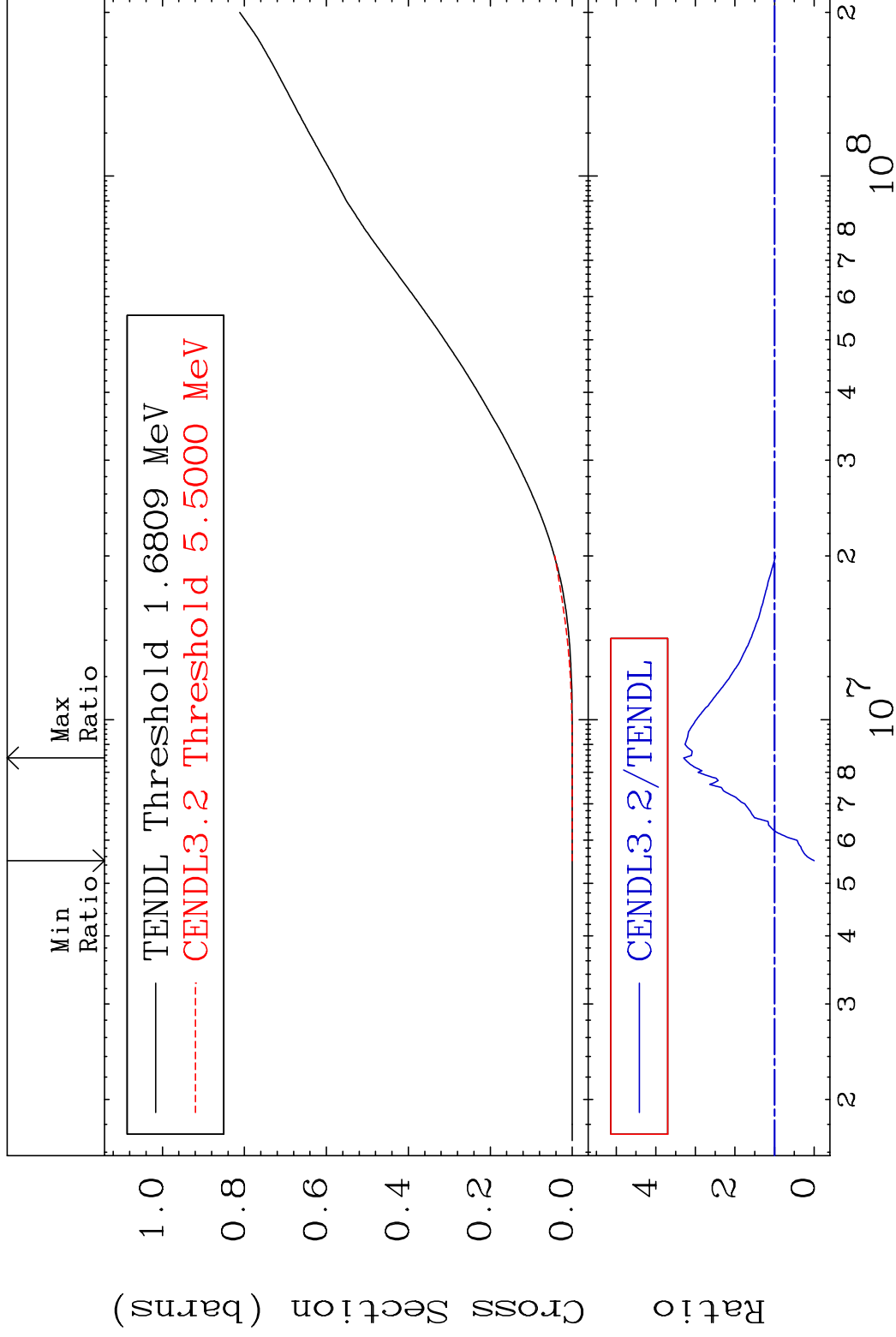
64-Gd-156

MAT 6437

Hydrogen Production

64-Gd-156

Cross Section -100.0 To 229.6 %



28

Incident Energy (eV)

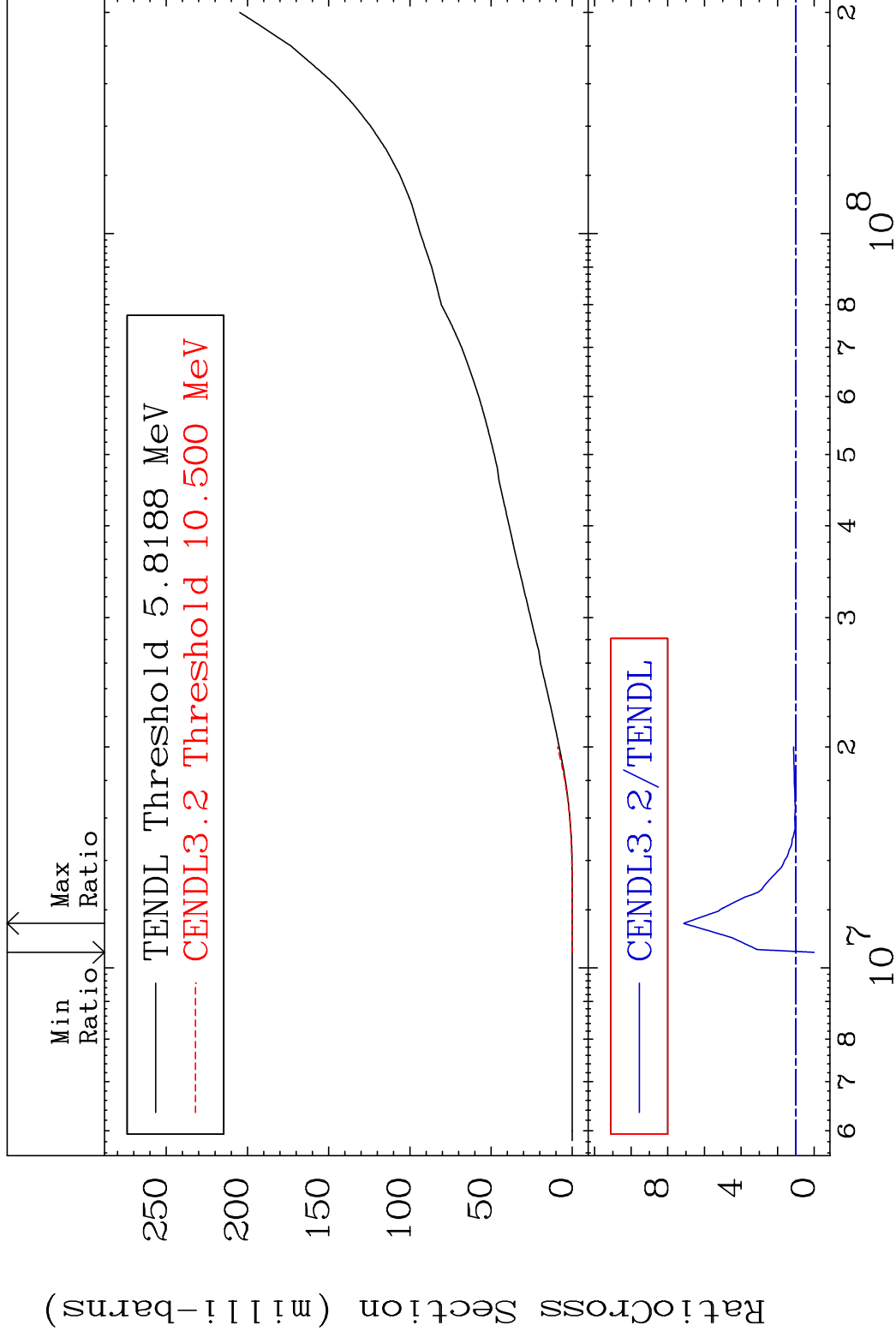
64-Gd-156

MAT 6437

Deuterium Production

64-Gd-156

Cross Section -100.0 To 613.3 %



29

Incident Energy (eV)

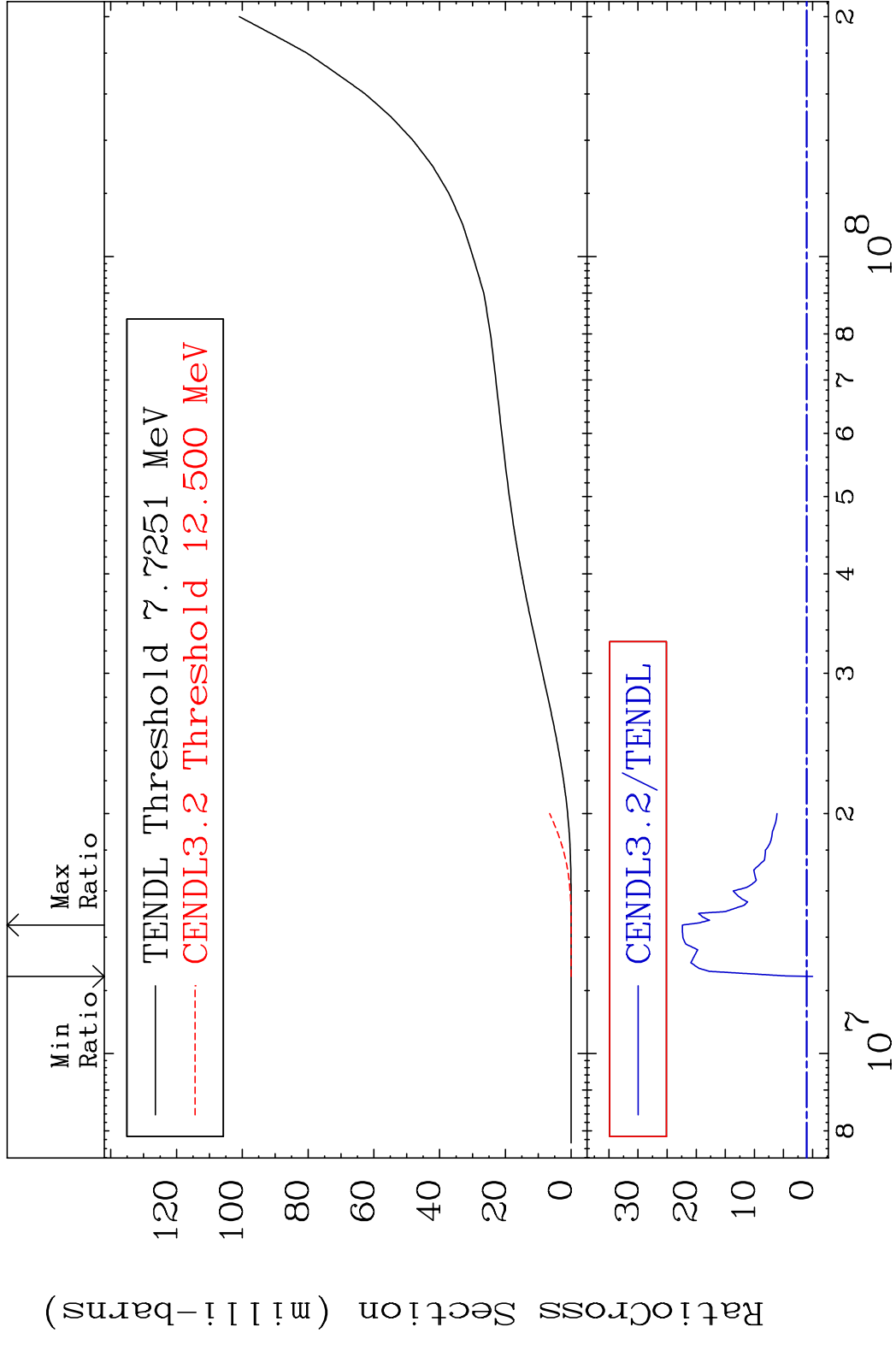
64-Gd-156

MAT 6437

Tritium Production

64-Gd-156

Cross Section -100.0 To 2138. %



30

Incident Energy (eV)

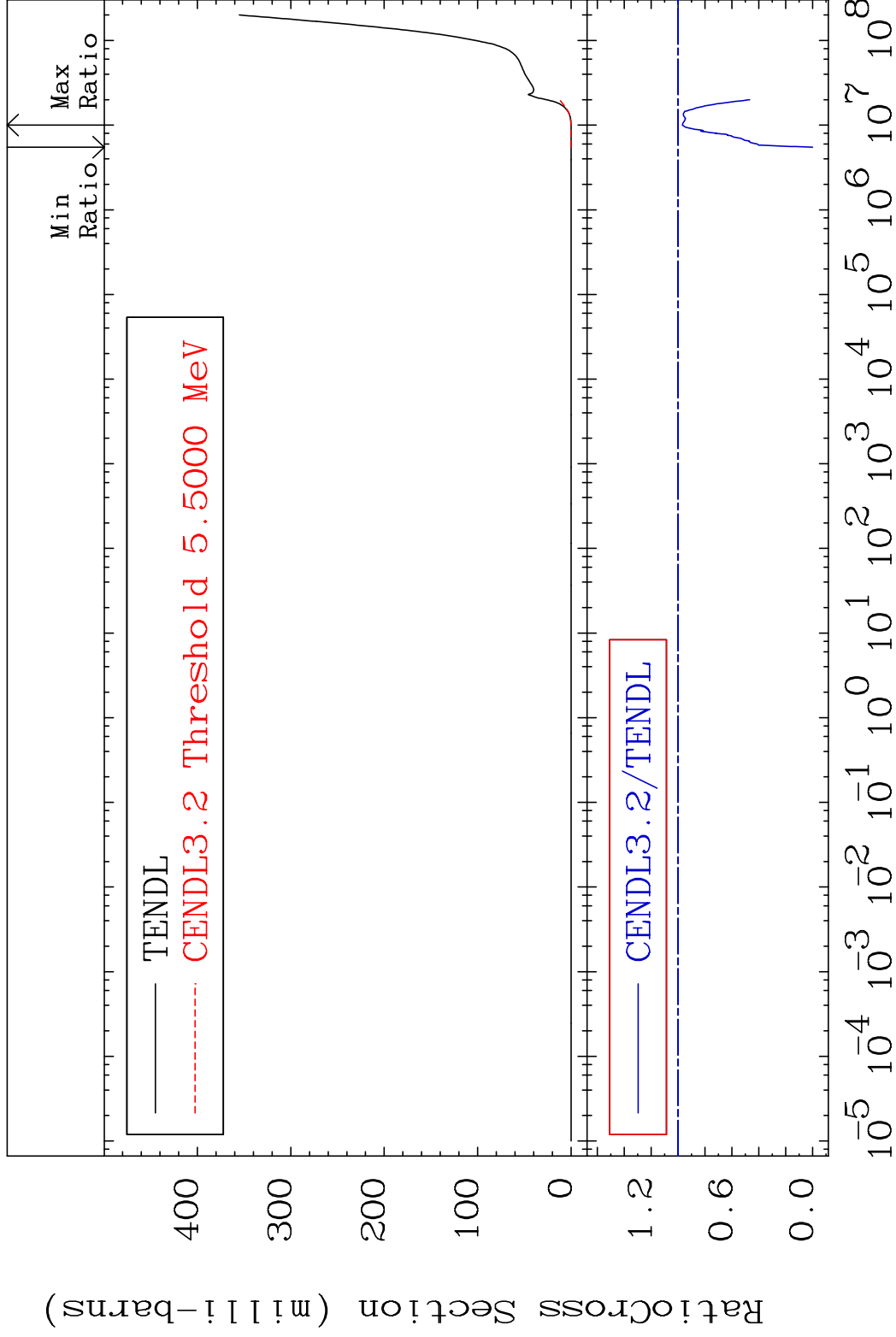
64-Gd-156

MAT 6437

He-4 Production

64-Gd-156

Cross Section -100.0 To -3.252%

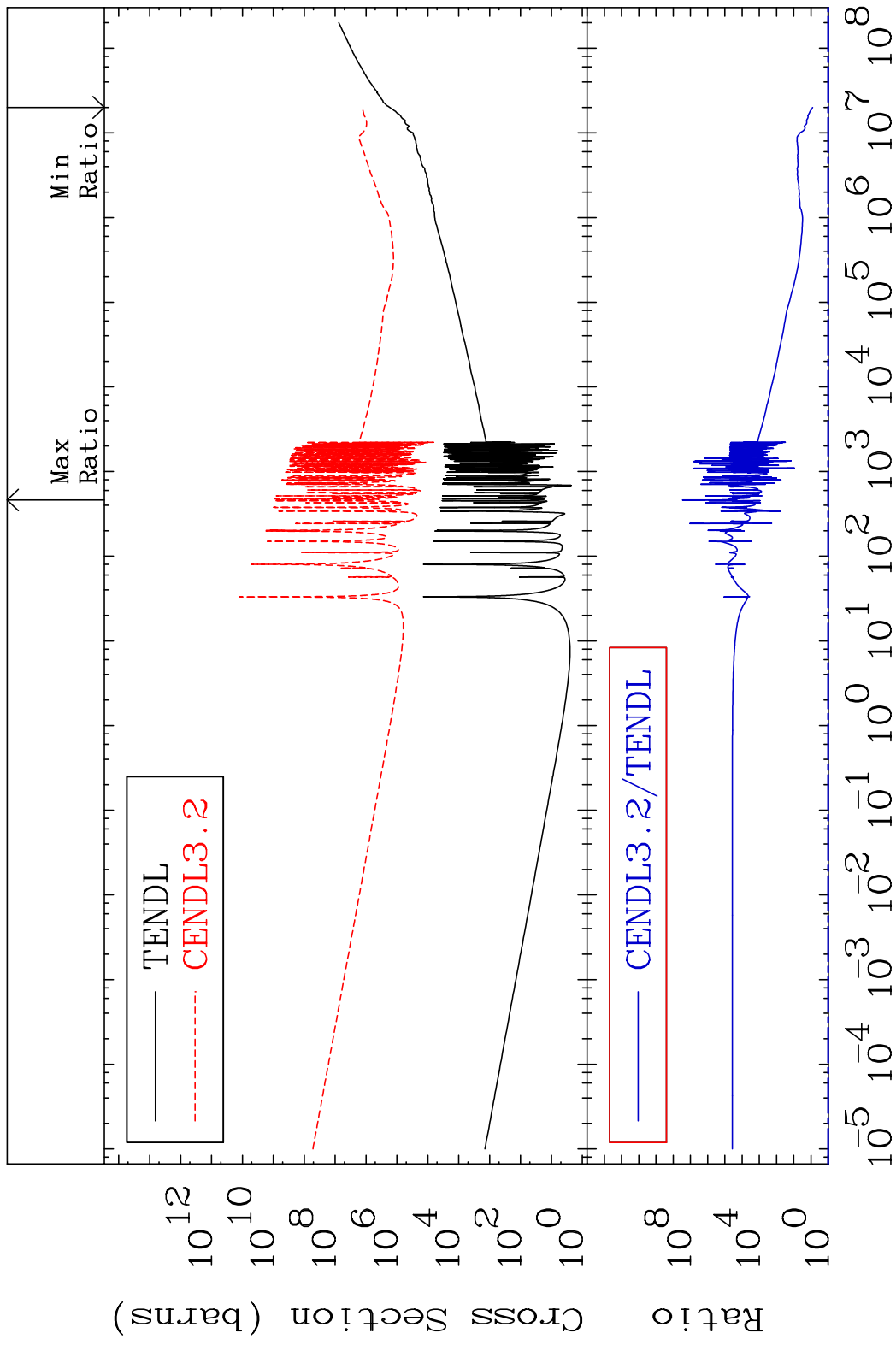


31

Incident Energy (eV)

64-Gd-156

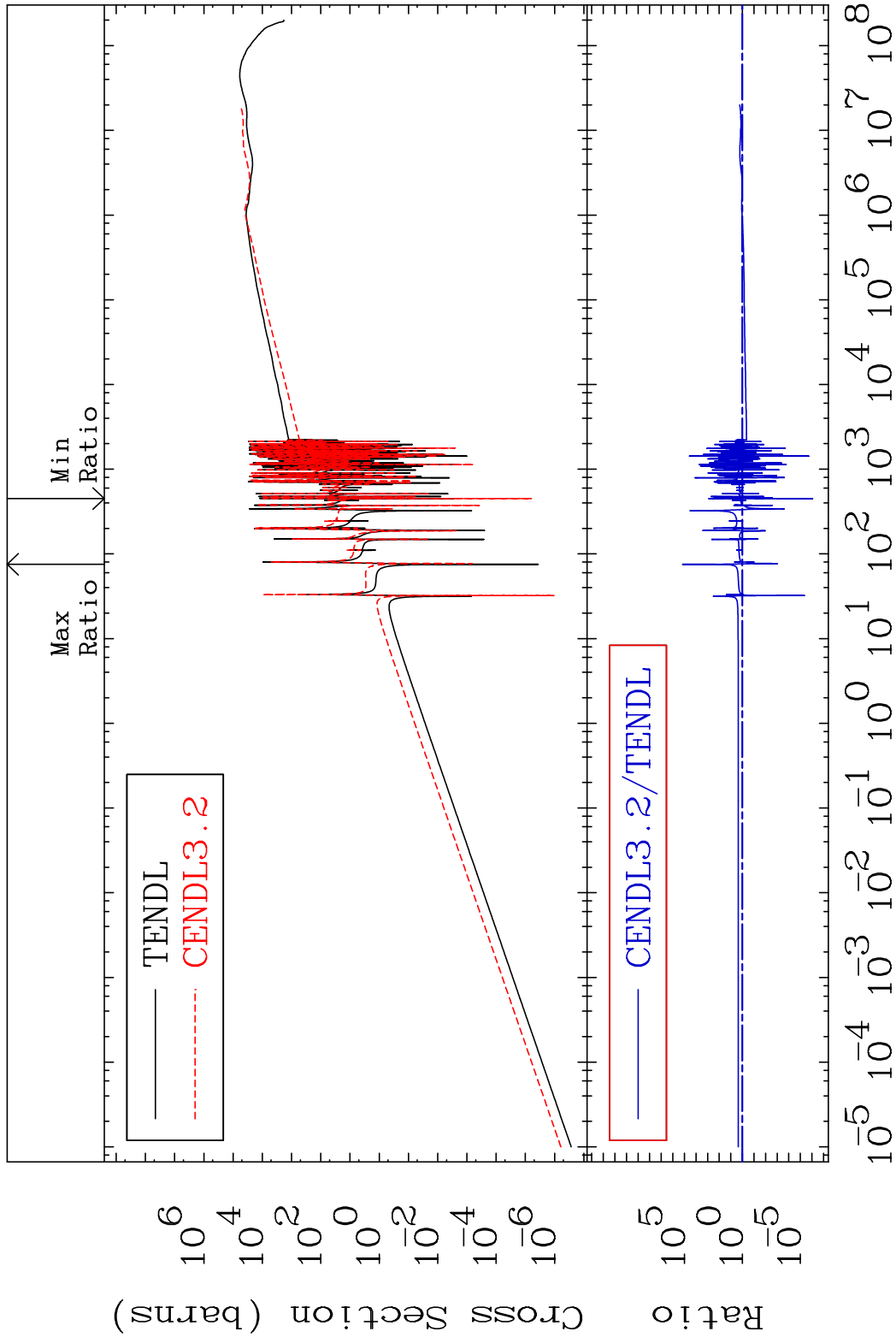
MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section 702.4 To 9999. %



MAT 6437

Kerma elastic
Cross Section -100.0 To 9999. %

64-Gd-156

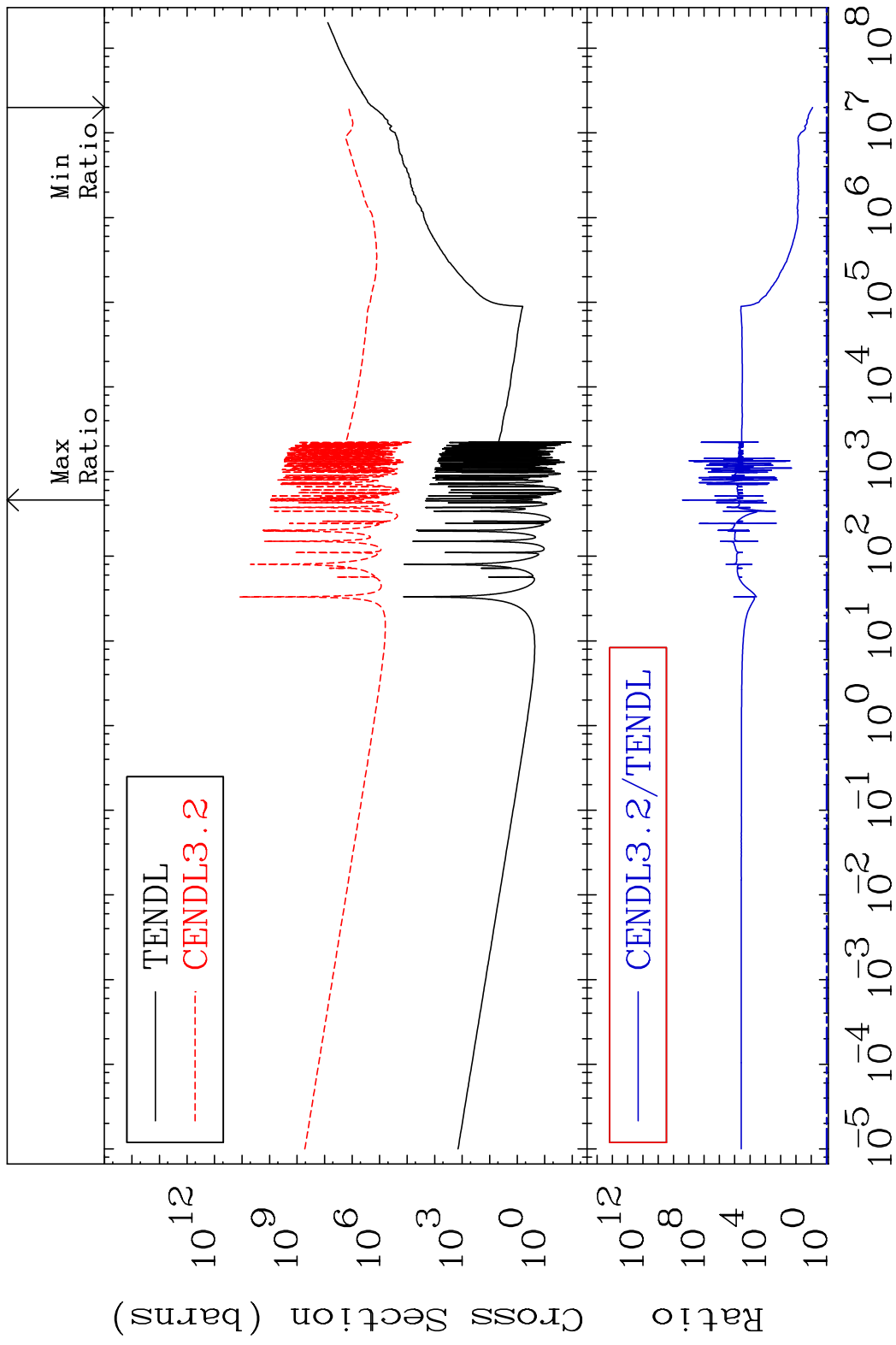


33

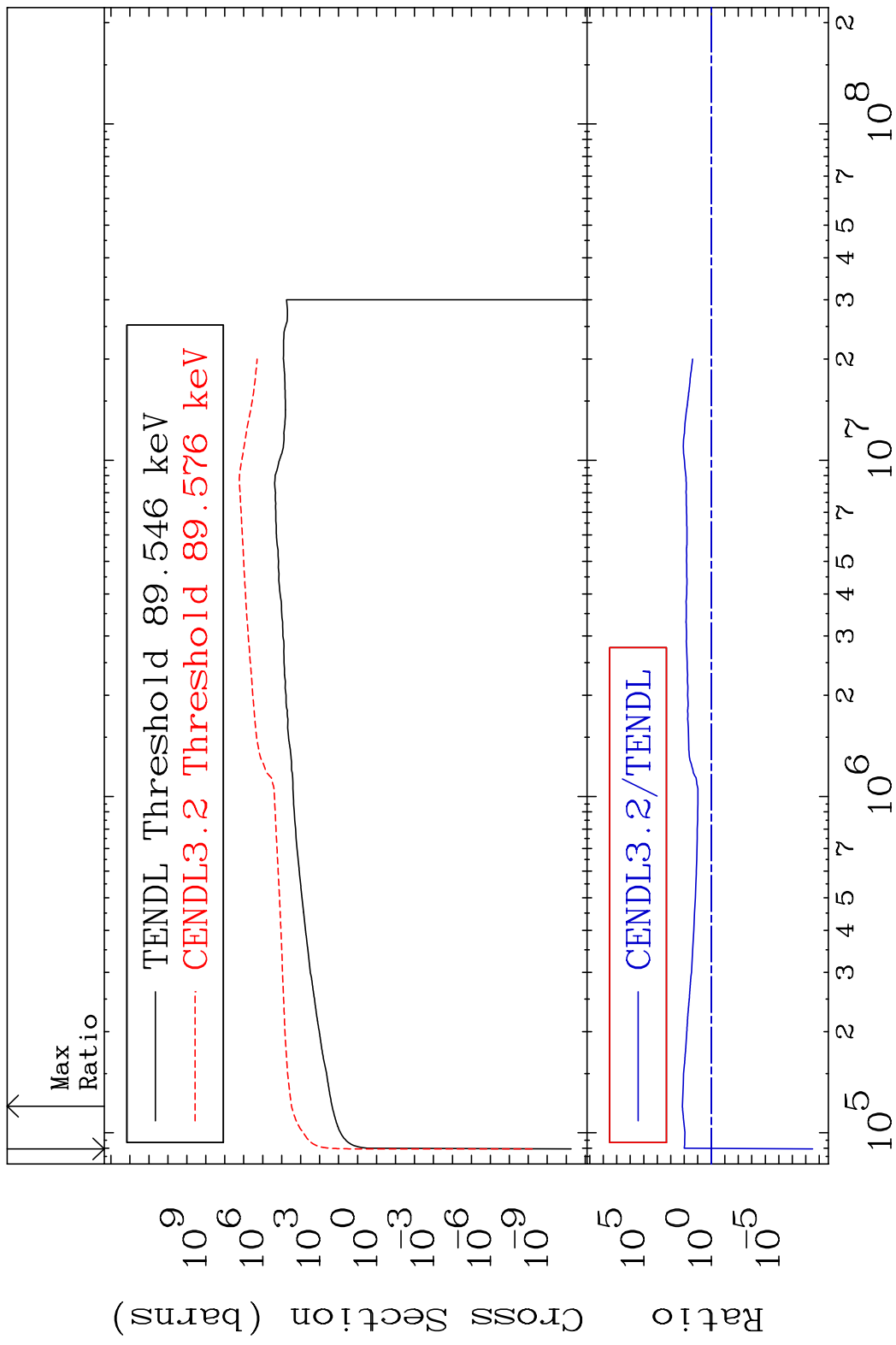
Incident Energy (eV)

64-Gd-156

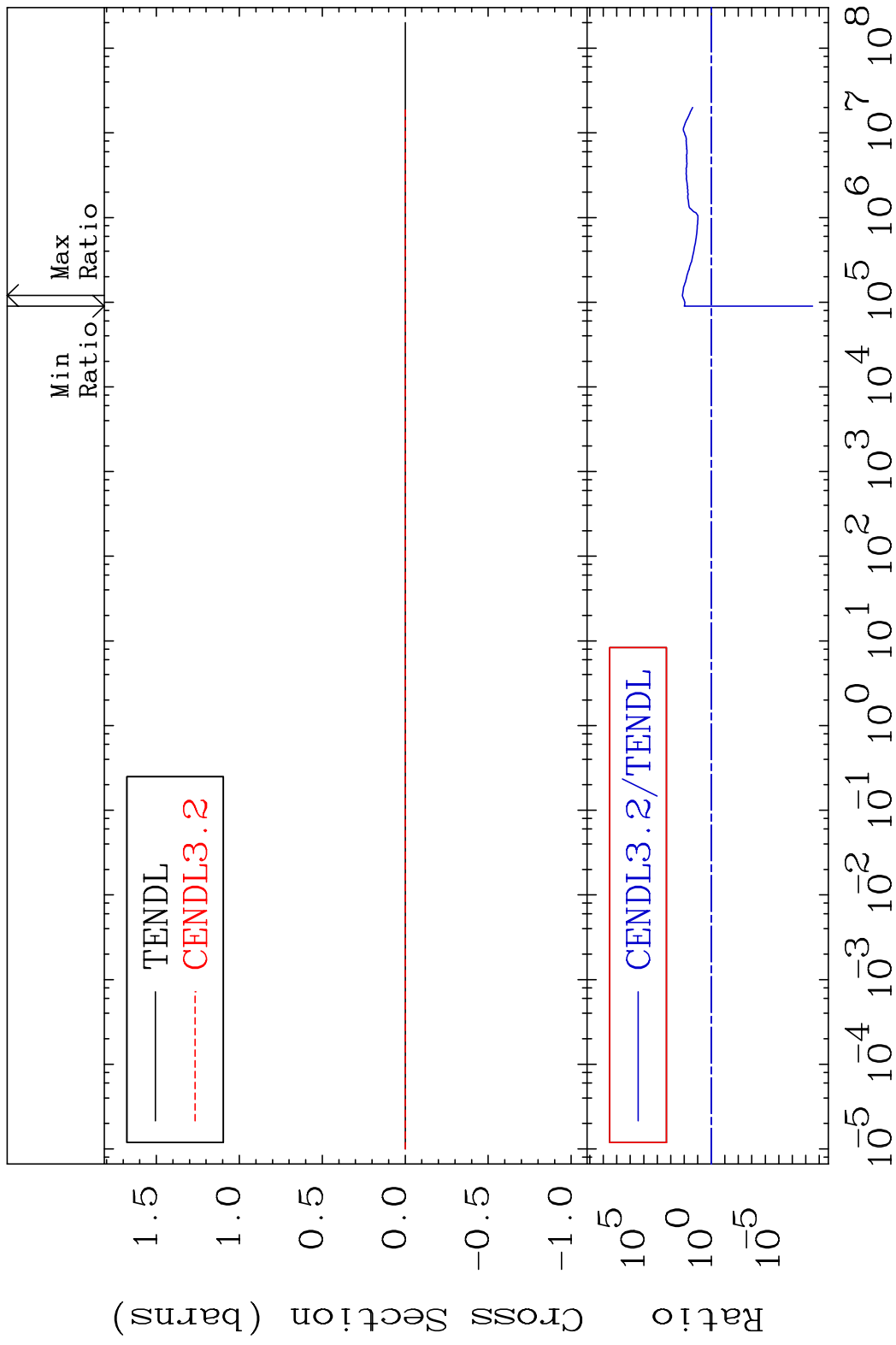
MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 Cross Section 716.1 To 9999. %

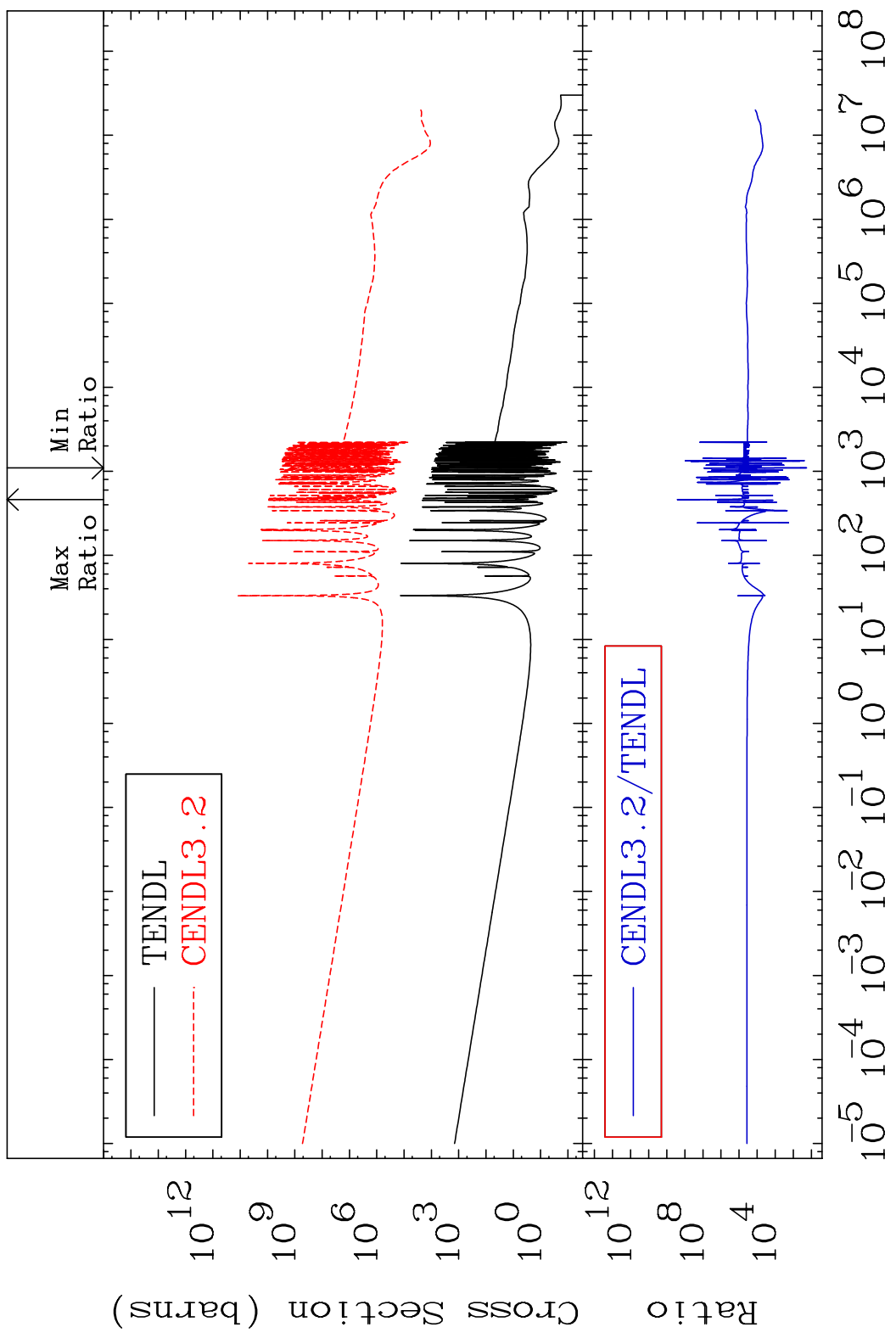


MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 9999. %

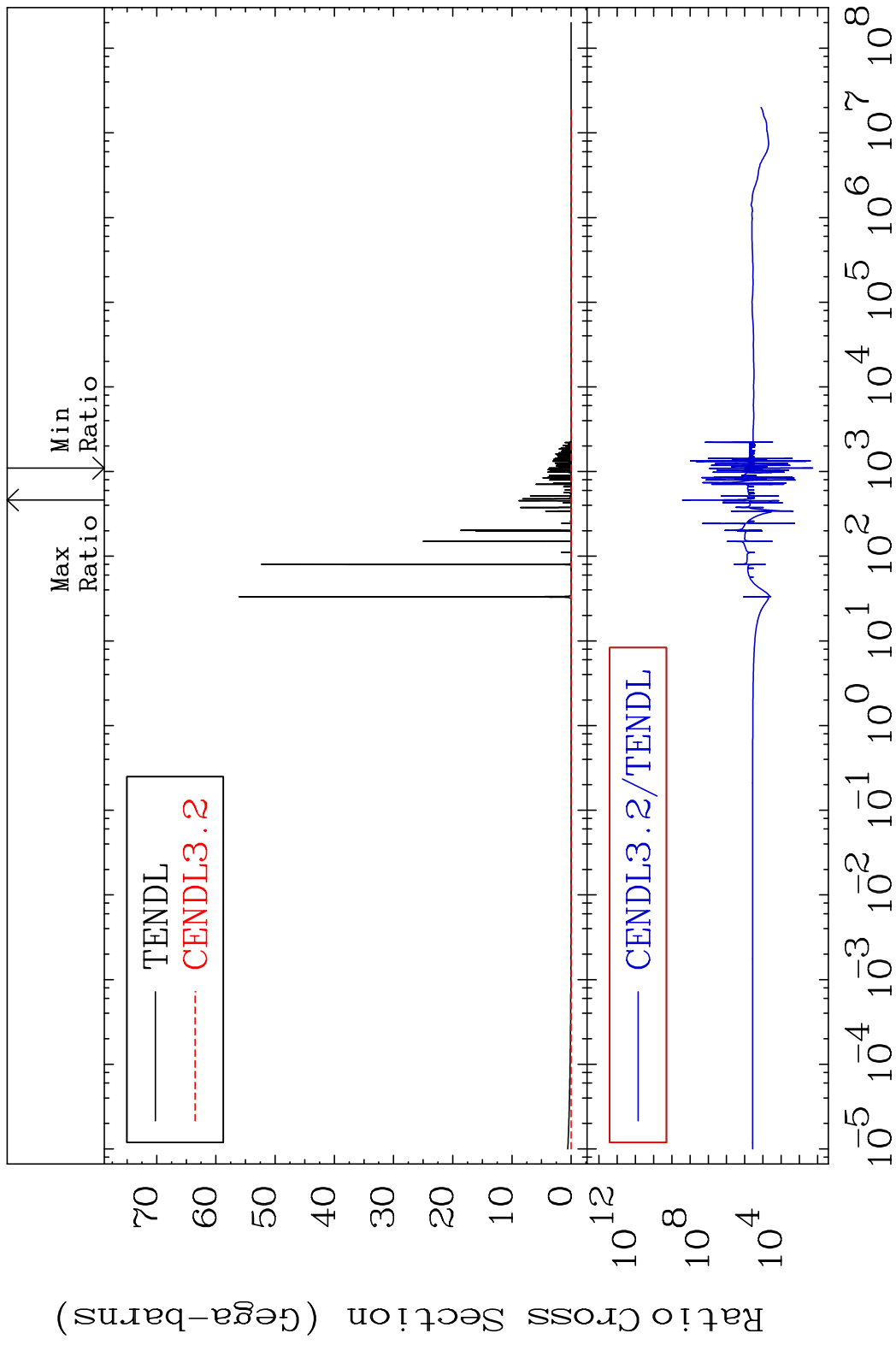


MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section -100.0 To 9999. %

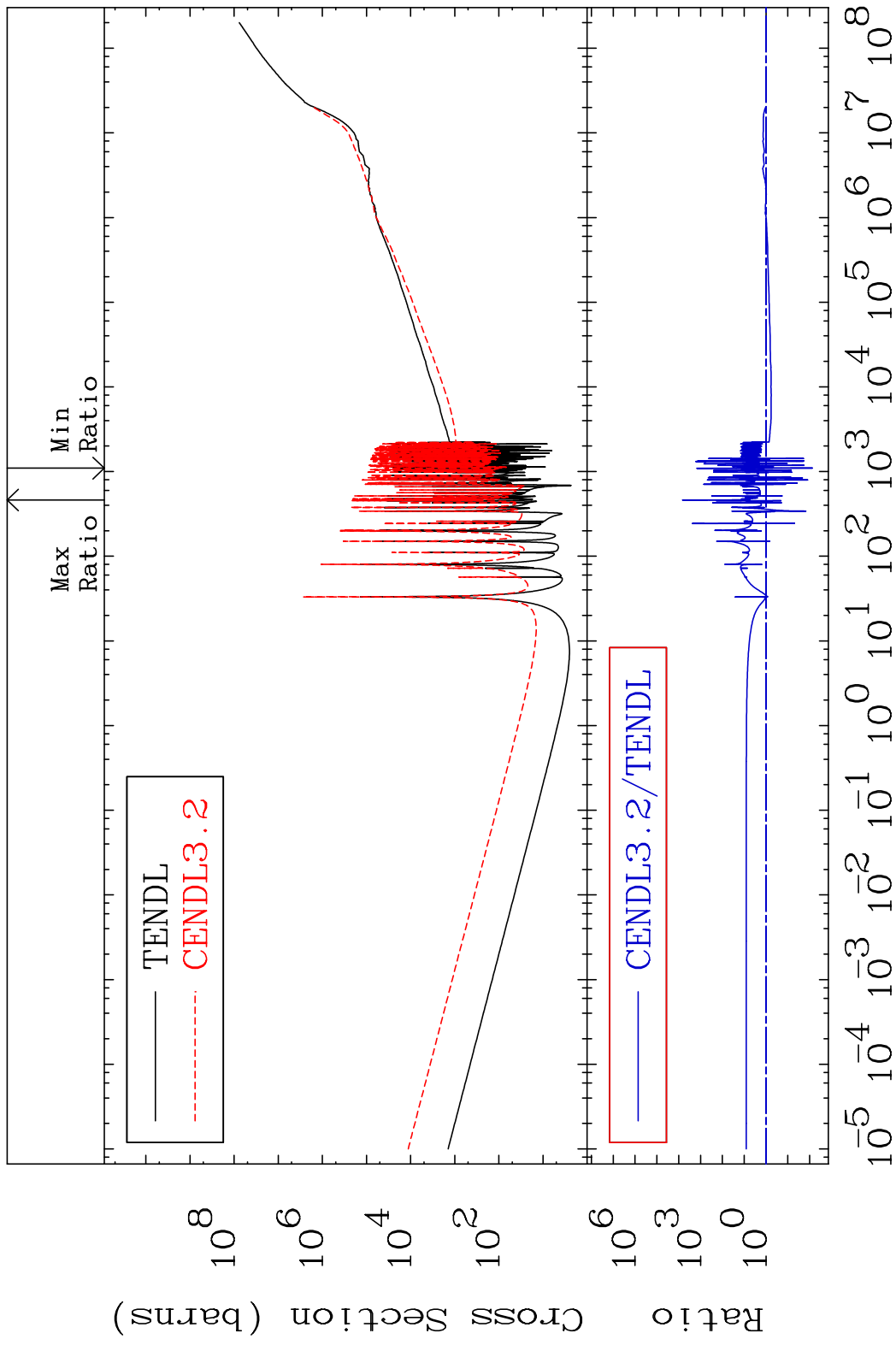




MAT 6437 Total photon (eV-barns) 64-Gd-156
 Cross Section 9999. To 9999. %



MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -99.26 To 9999. %

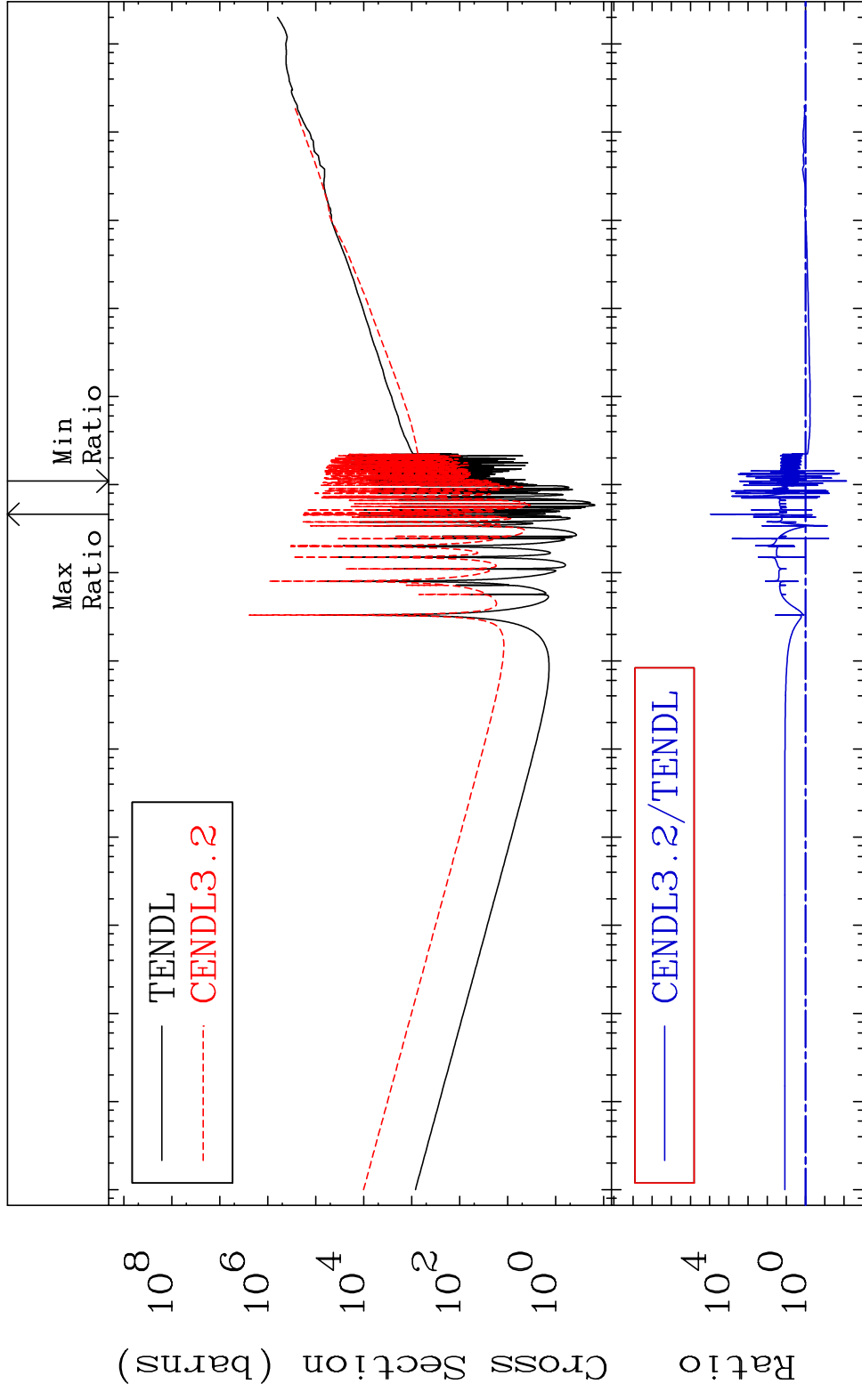


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -99.25 To 9999. %



40

Incident Energy (eV)

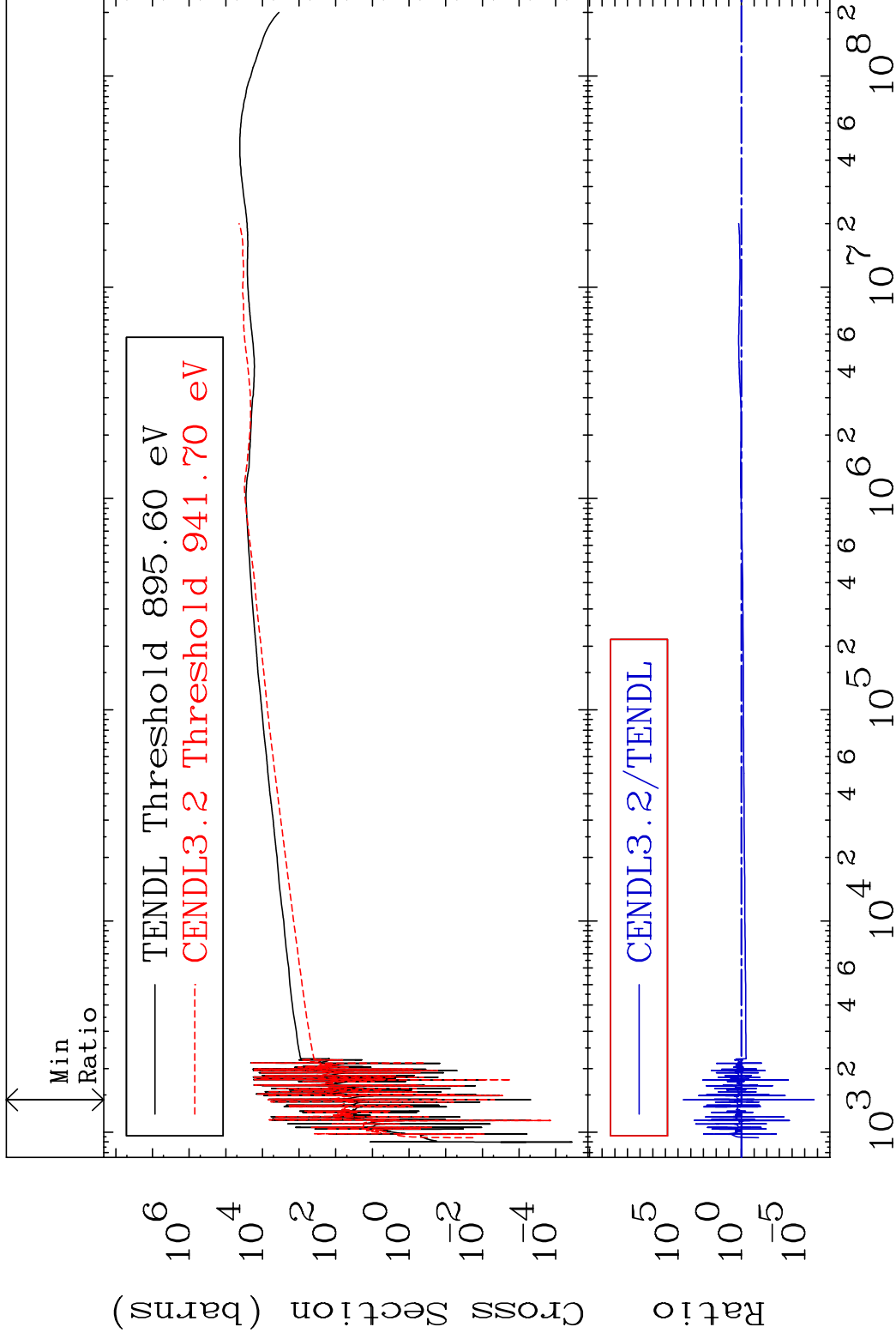
64-Gd-156

MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

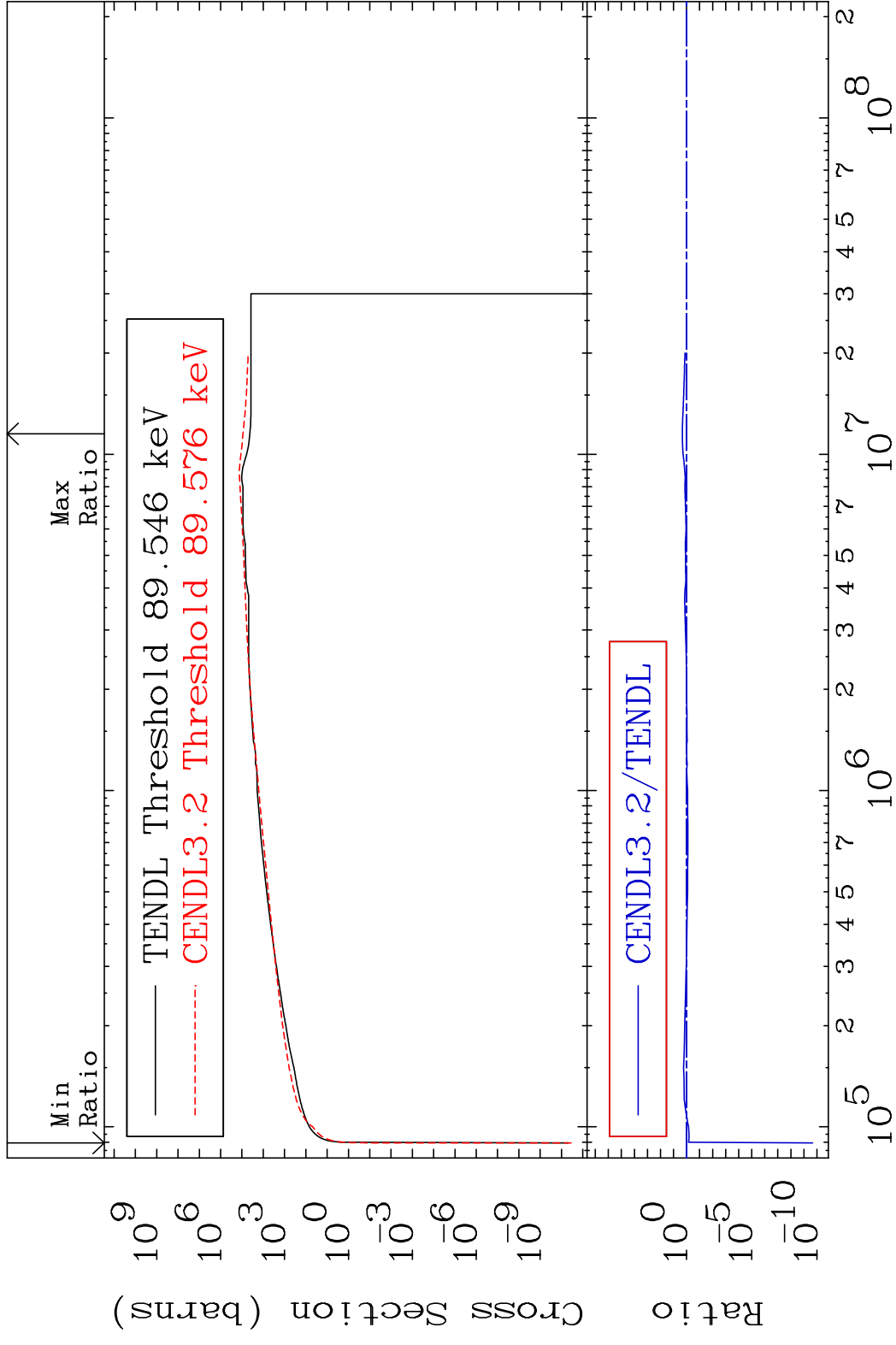
64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)

64-Gd-156

Cross Section -100.0 To 110.4 %

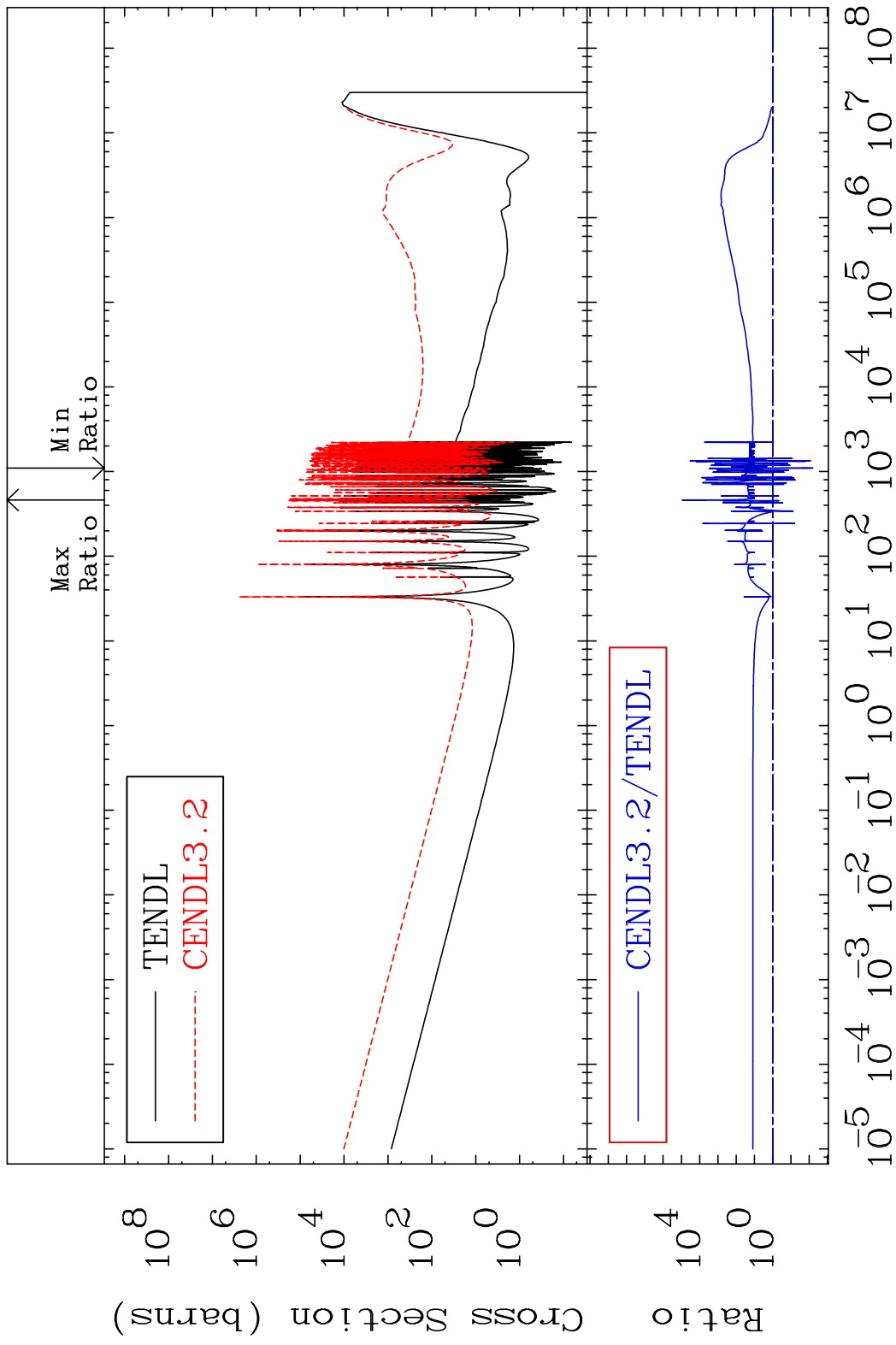


42

Incident Energy (eV)

64-Gd-156

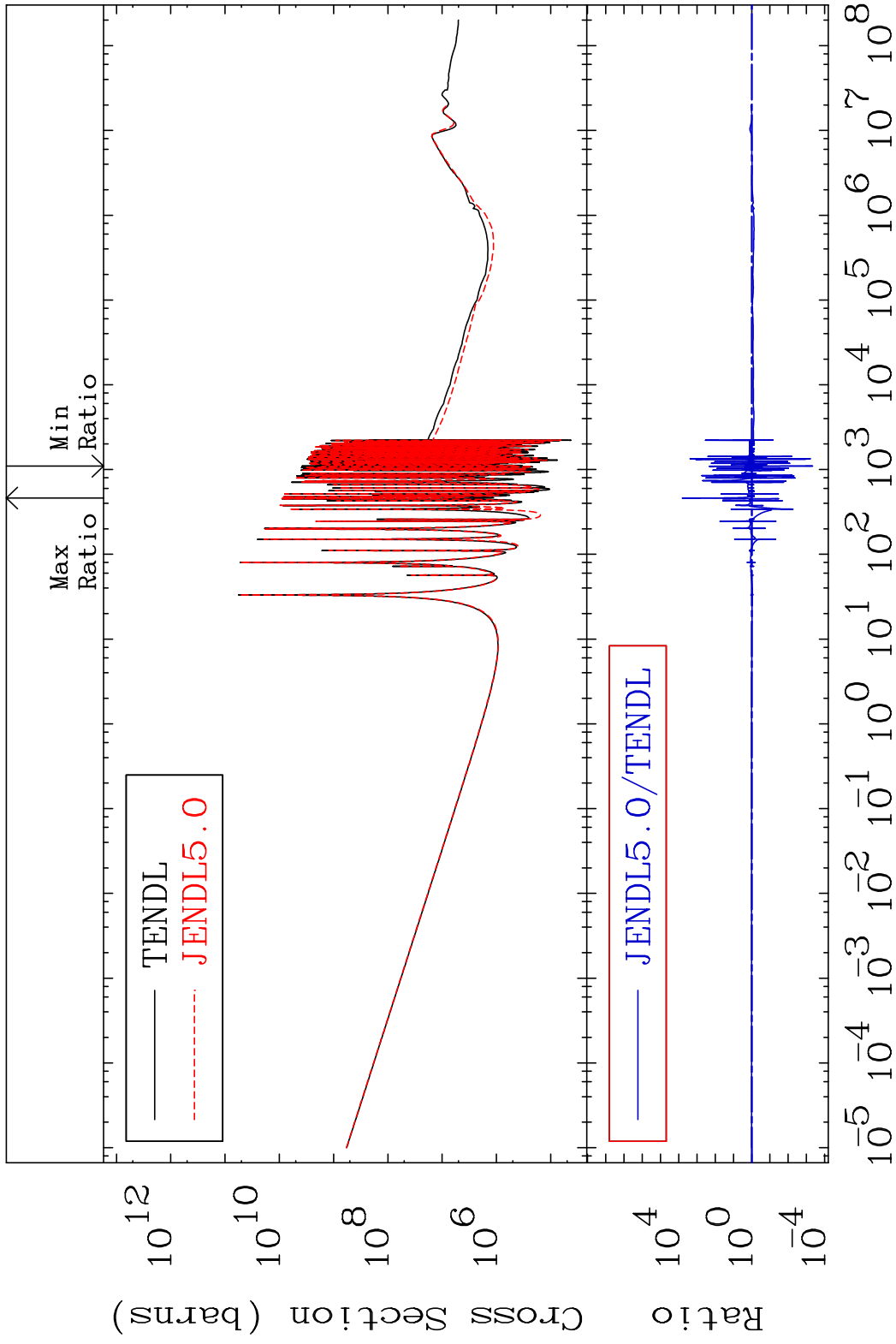
MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -99.35 To 9999. %



MAT 6437

Total photon (eV-barns) 64-Gd-156

Cross Section -99.95 To 9999. %

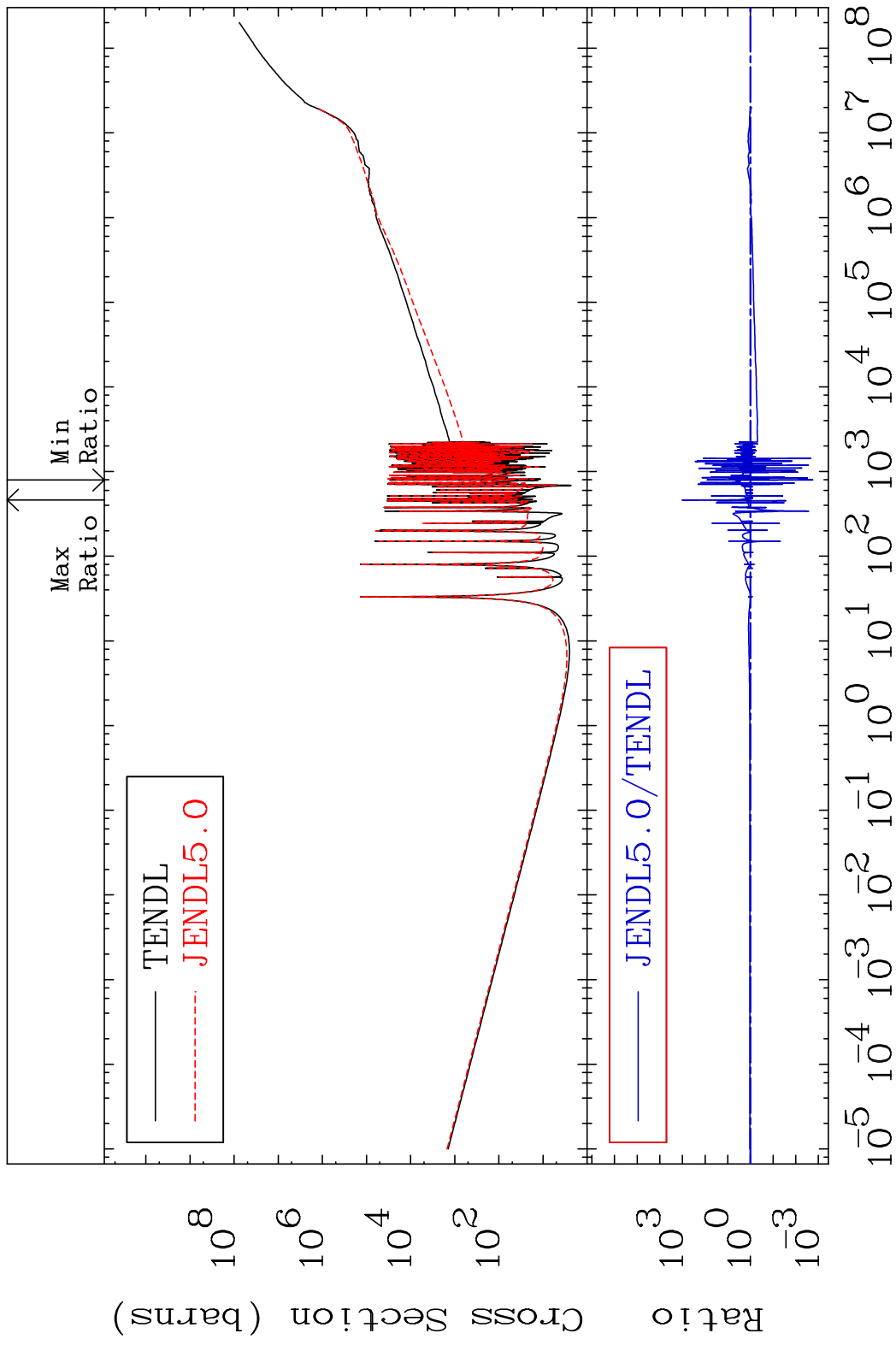


44

Incident Energy (eV)

64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -99.82 To 9999. %

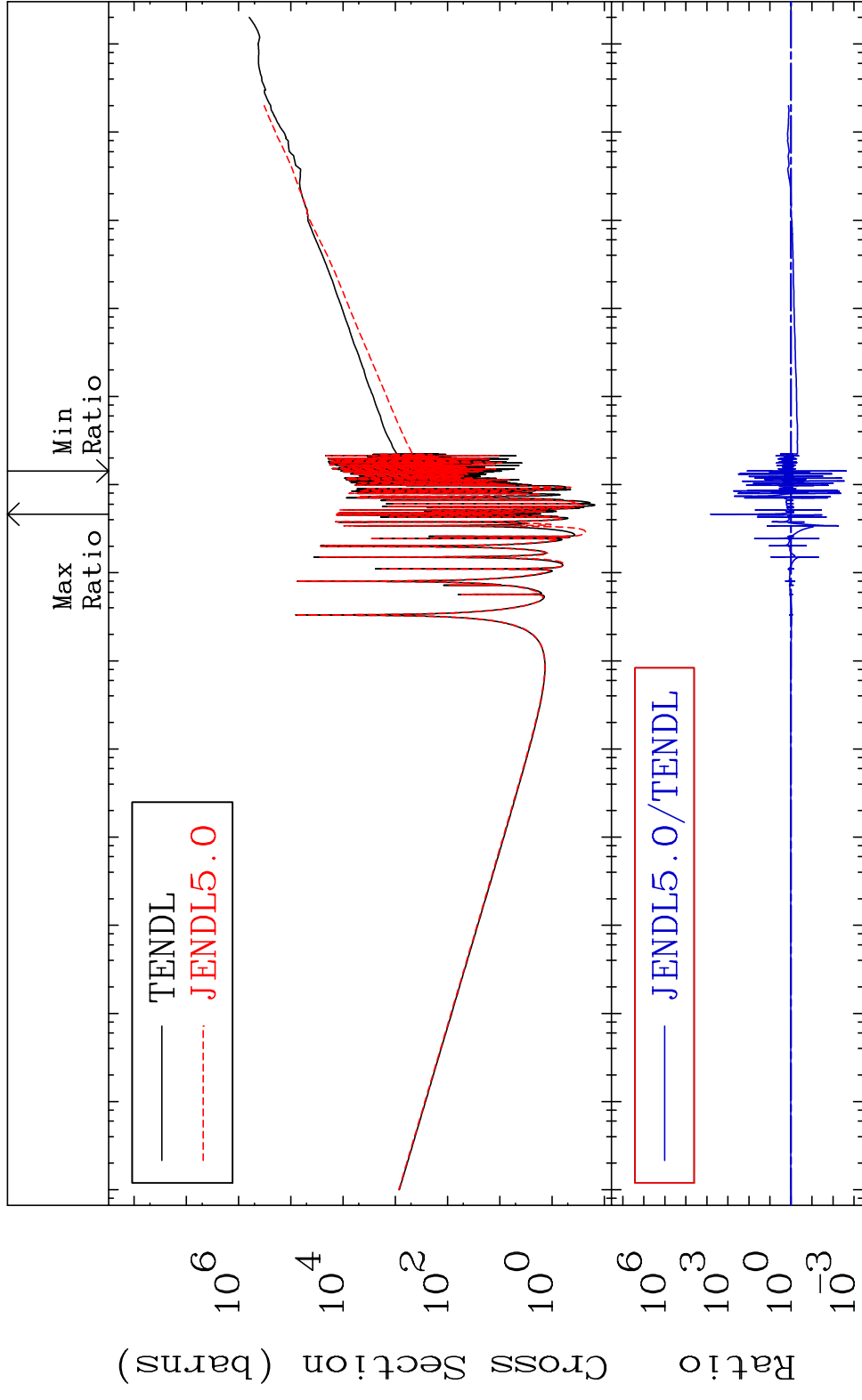


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -99.777 To 9999. %

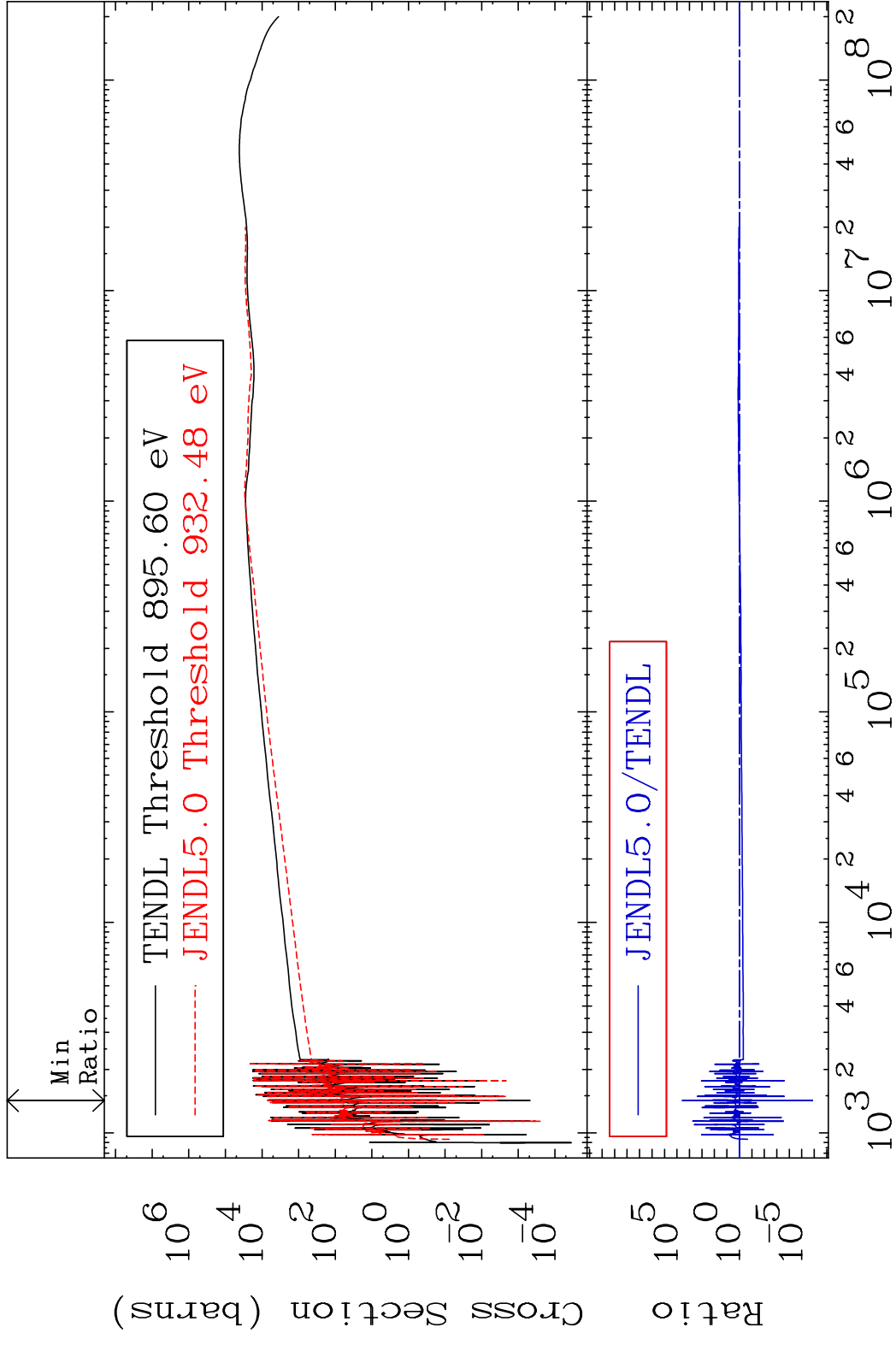


MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -100.0 To 9999. %

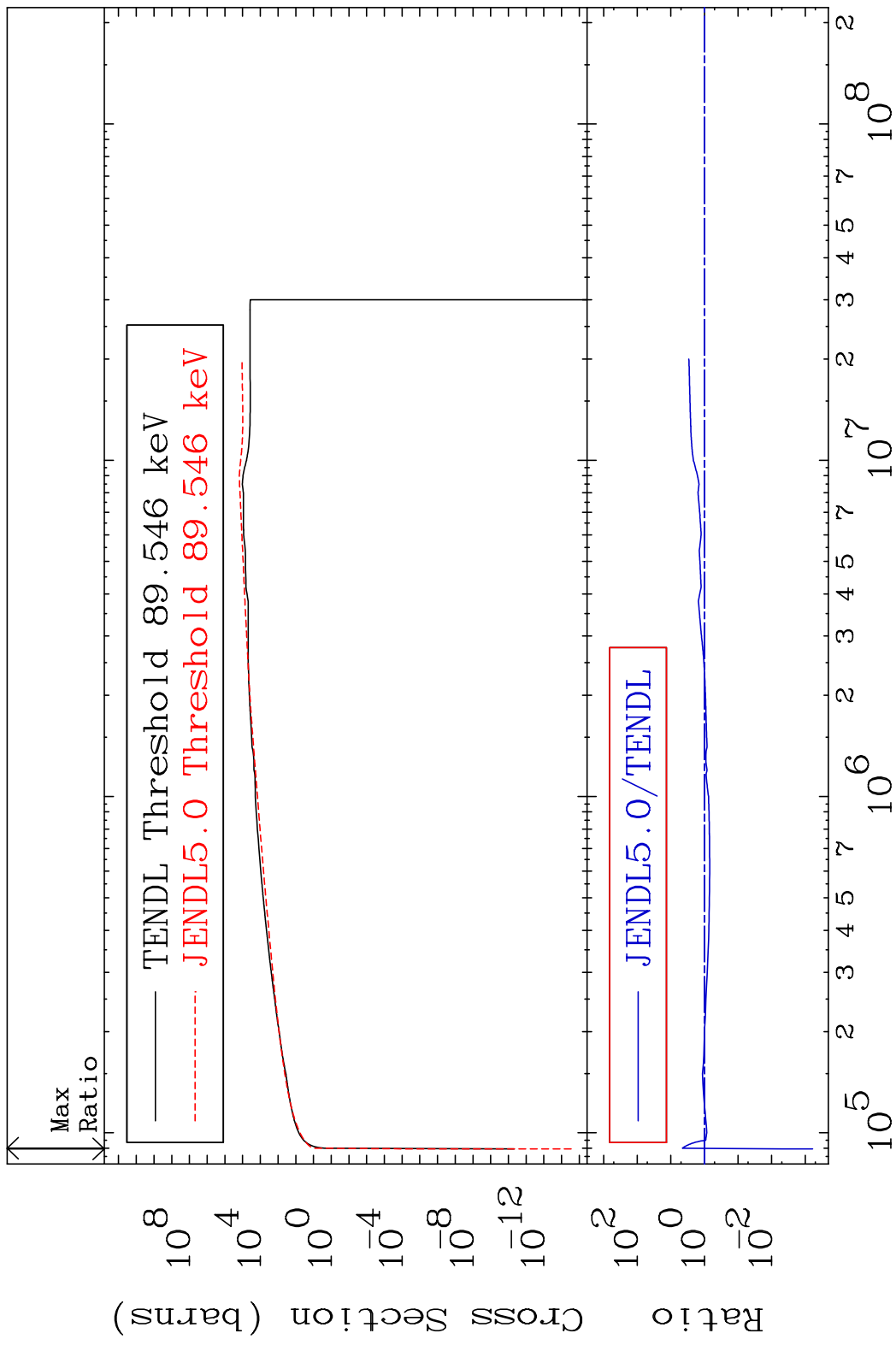


47

Incident Energy (eV)

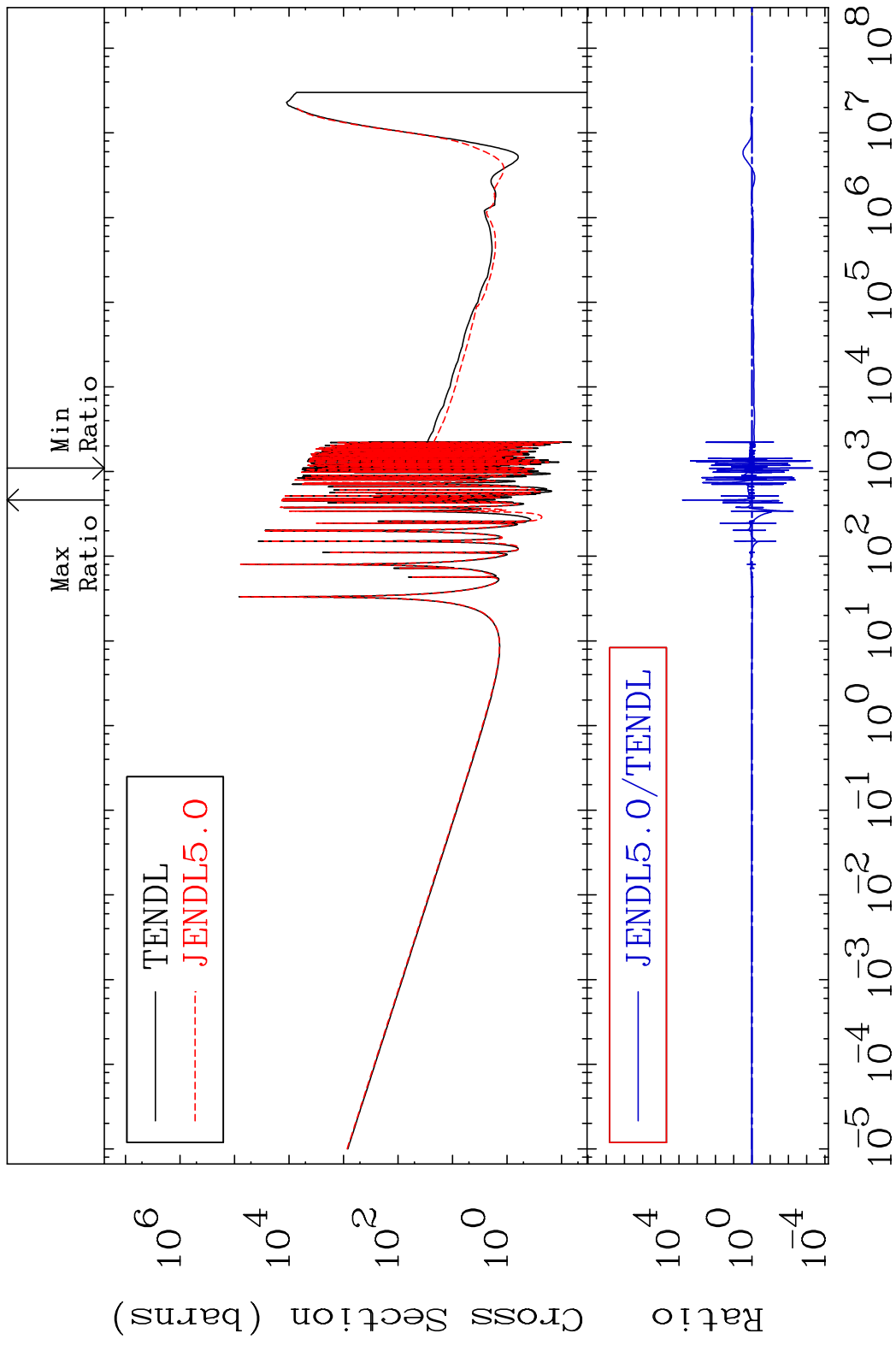
64-Gd-156

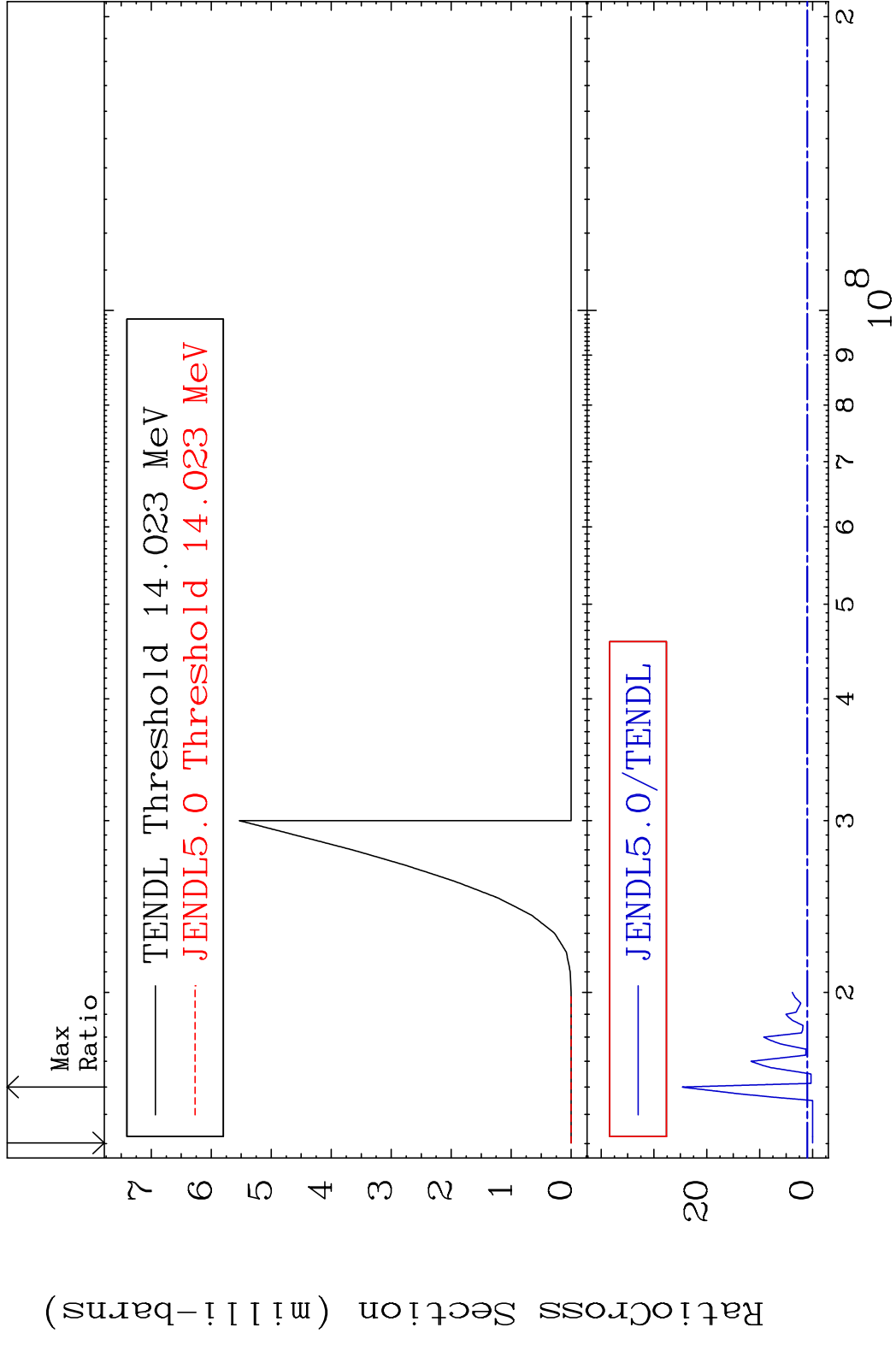
MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -99.94 To 353.1 %



48 Incident Energy (eV) 64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
Cross Section -99.95 To 9999. %





MAT 6437 (n,t):63-Eu-154g 64-Gd-156
 Radionuclide Production Cross Section Ratio 9999. %

