

Program Complot
(Version 2021-1)

by

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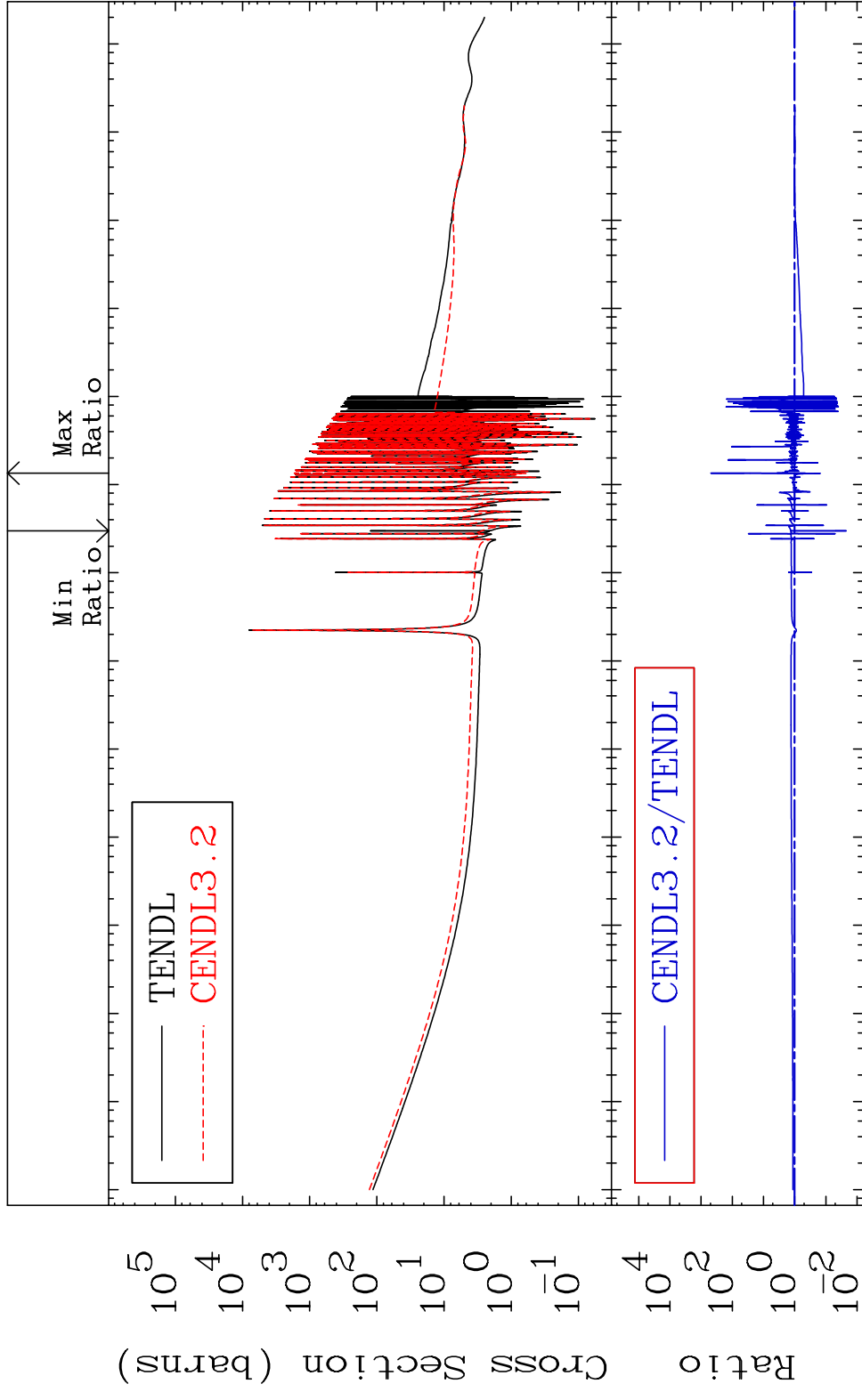
Press Mouse Button to Start

MAT 6443

Total

64-Gd-158

Cross Section -97.80 To 9999. %



1

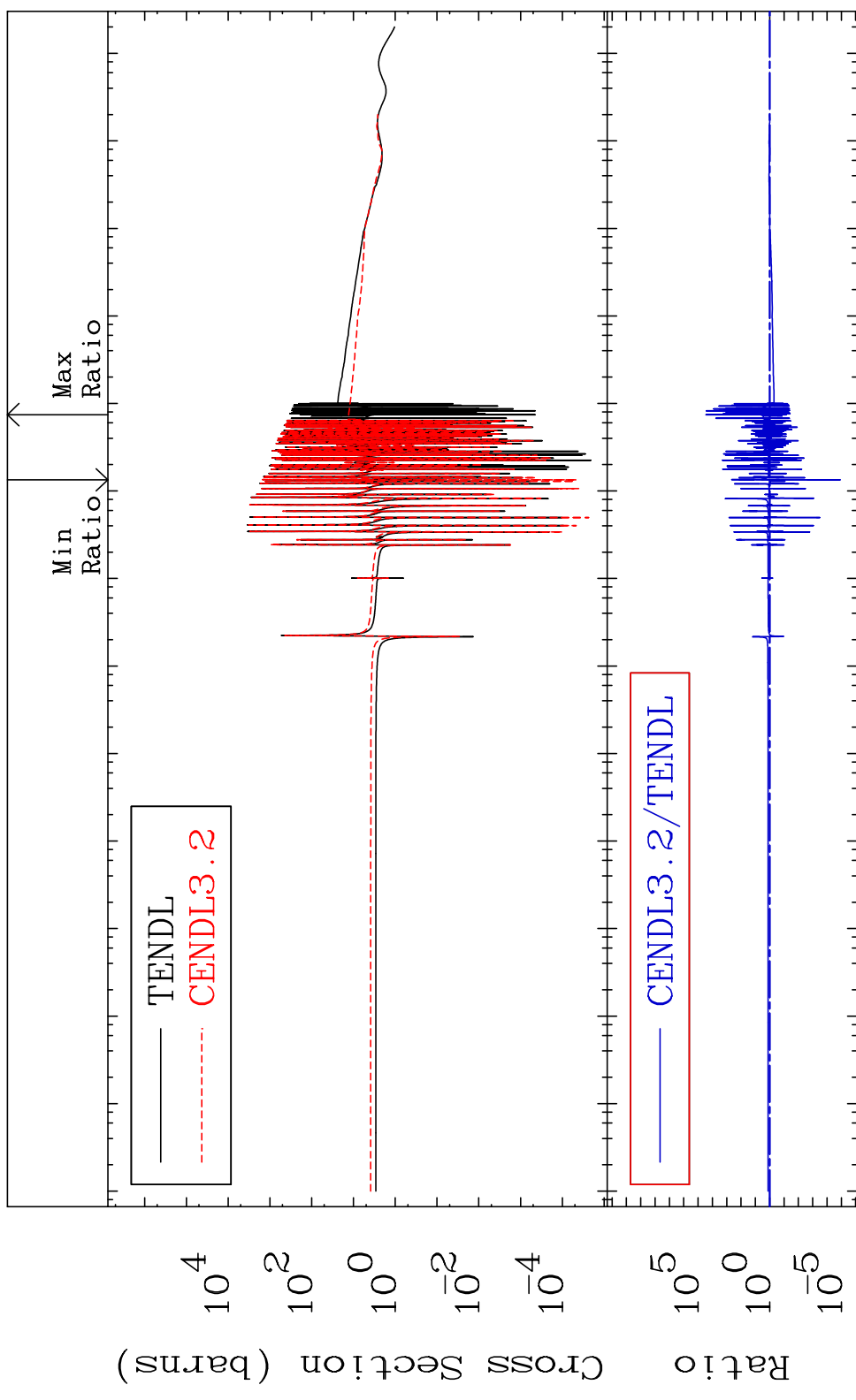
Incident Energy (eV)

64-Gd-158

MAT 6443

Elastic Cross Section -100.0 To 9999. %

64-Gd-158



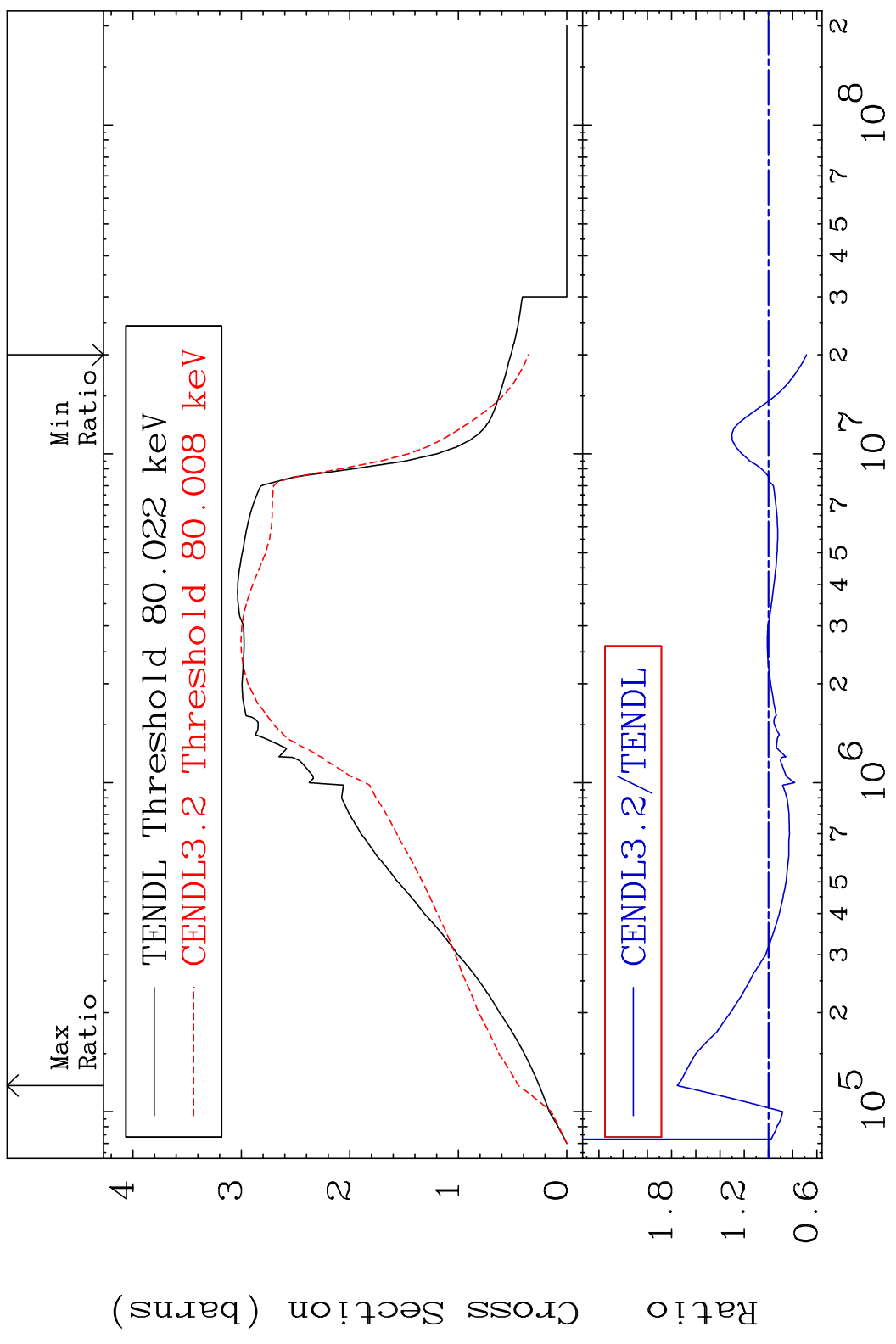
MAT 6443

Inelastic

64-Gd-158

Cross Section

-31.39 To 75.34 %



3

Incident Energy (eV)

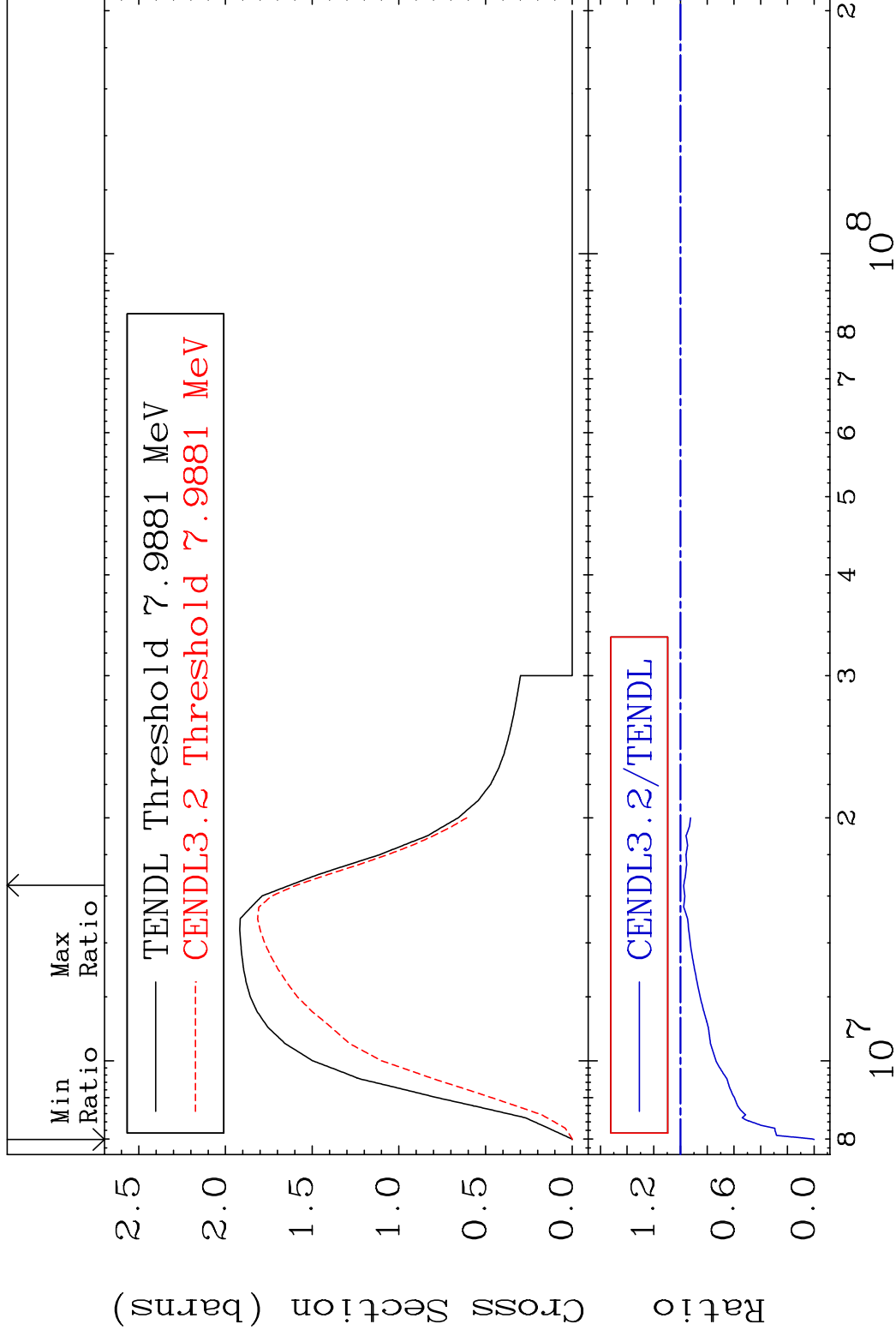
64-Gd-158

MAT 6443

(n,2n)

64-Gd-158

Cross Section -100.0 To -2.325%



4

Incident Energy (eV)

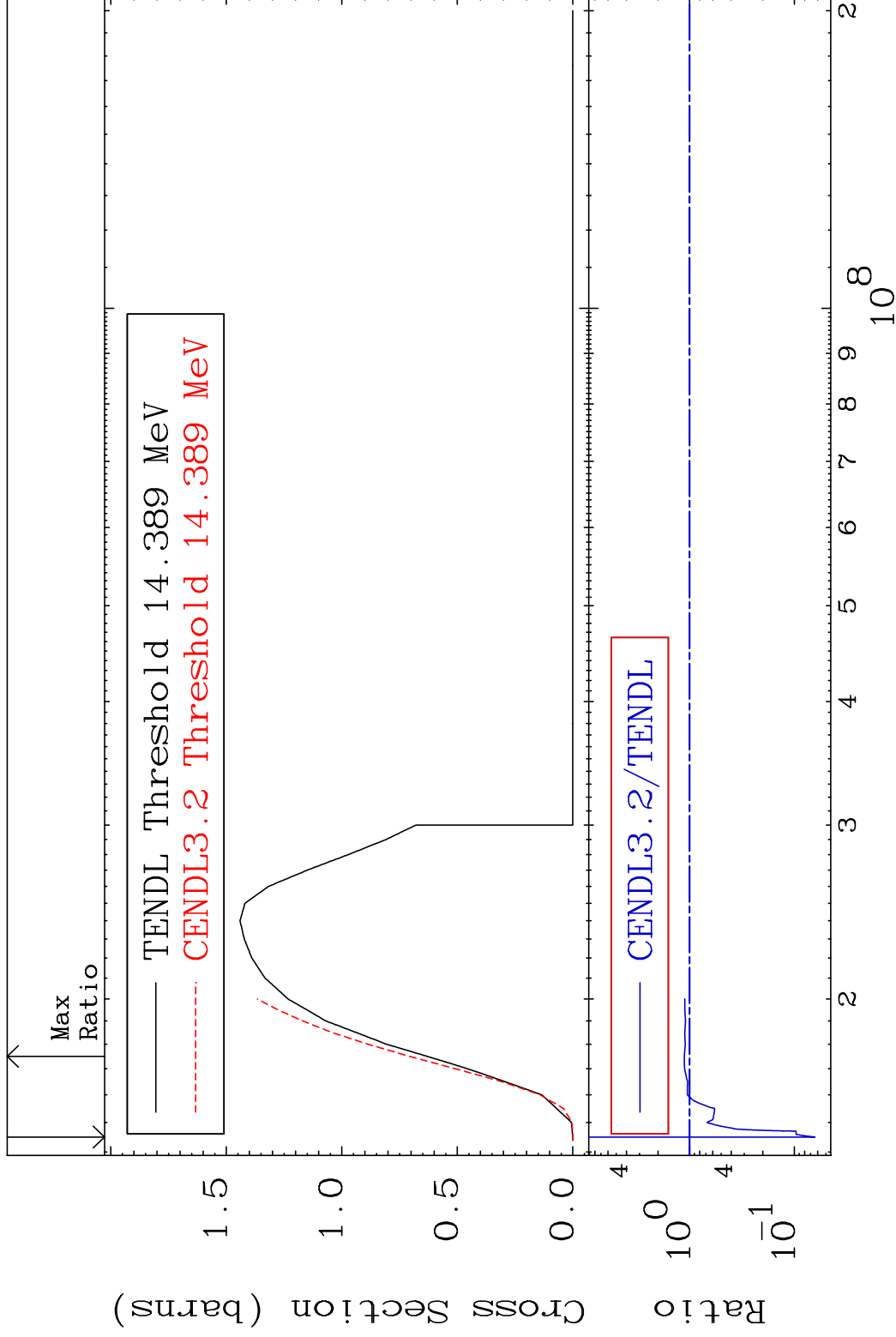
64-Gd-158

MAT 6443

(n,3n)

64-Gd-158

Cross Section -93.63 To 12.20 %



5

Incident Energy (eV)

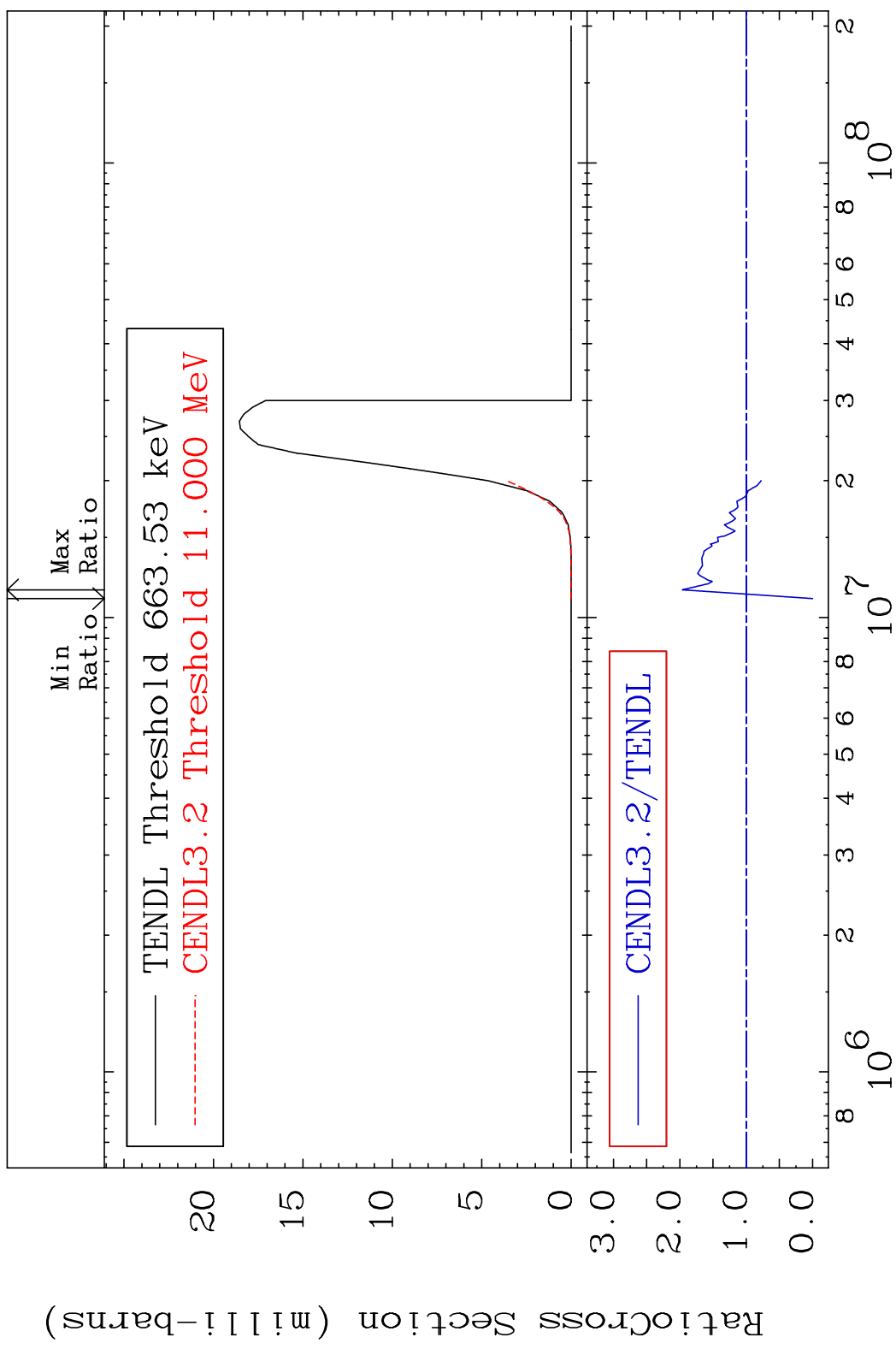
64-Gd-158

MAT 6443

(n, n') α

64-Gd-158

Cross Section -100.0 To 96.20 %



6

Incident Energy (eV)

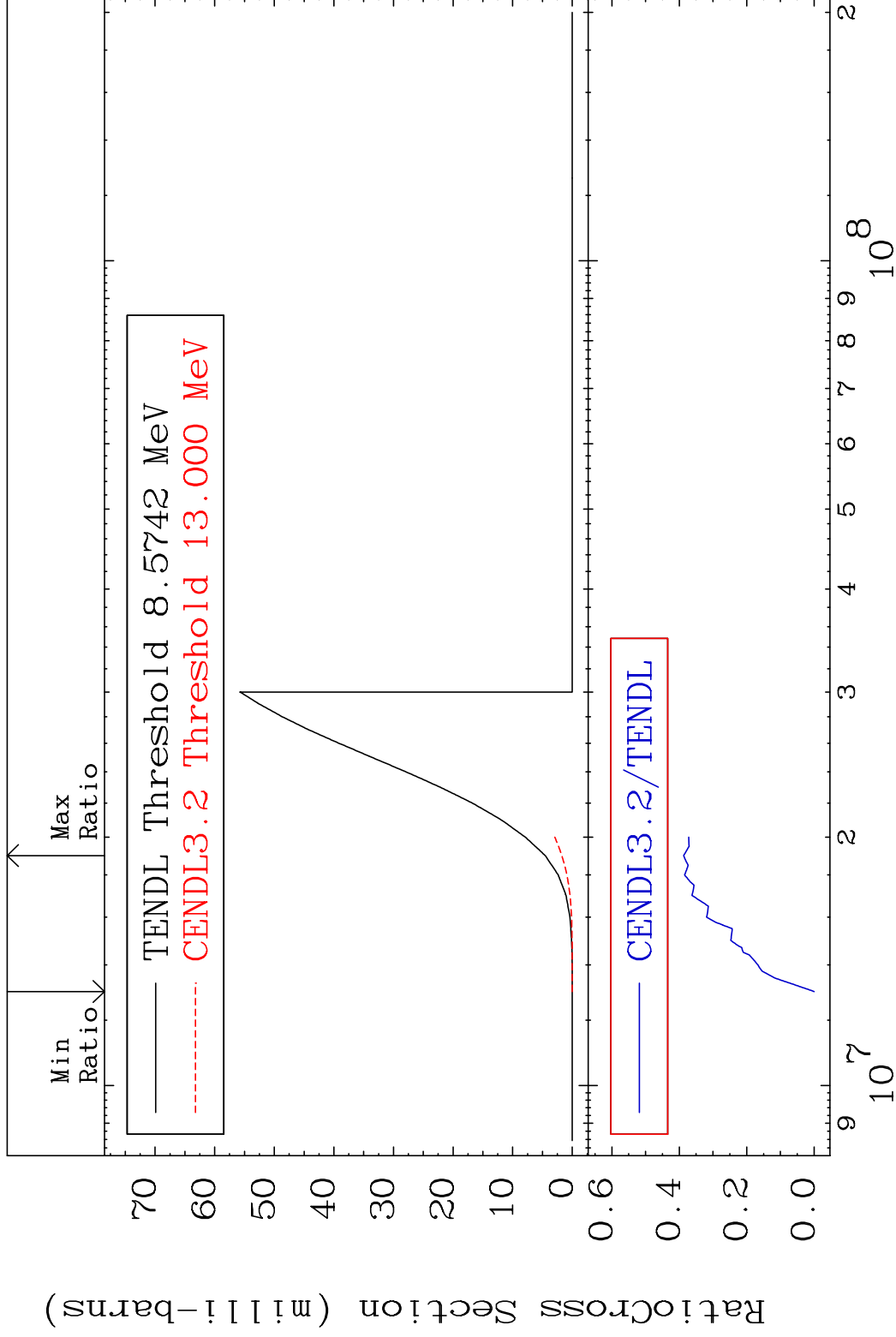
64-Gd-158

MAT 6443

(n, n') p

64-Gd-158

Cross Section -100.0 To -61.30%

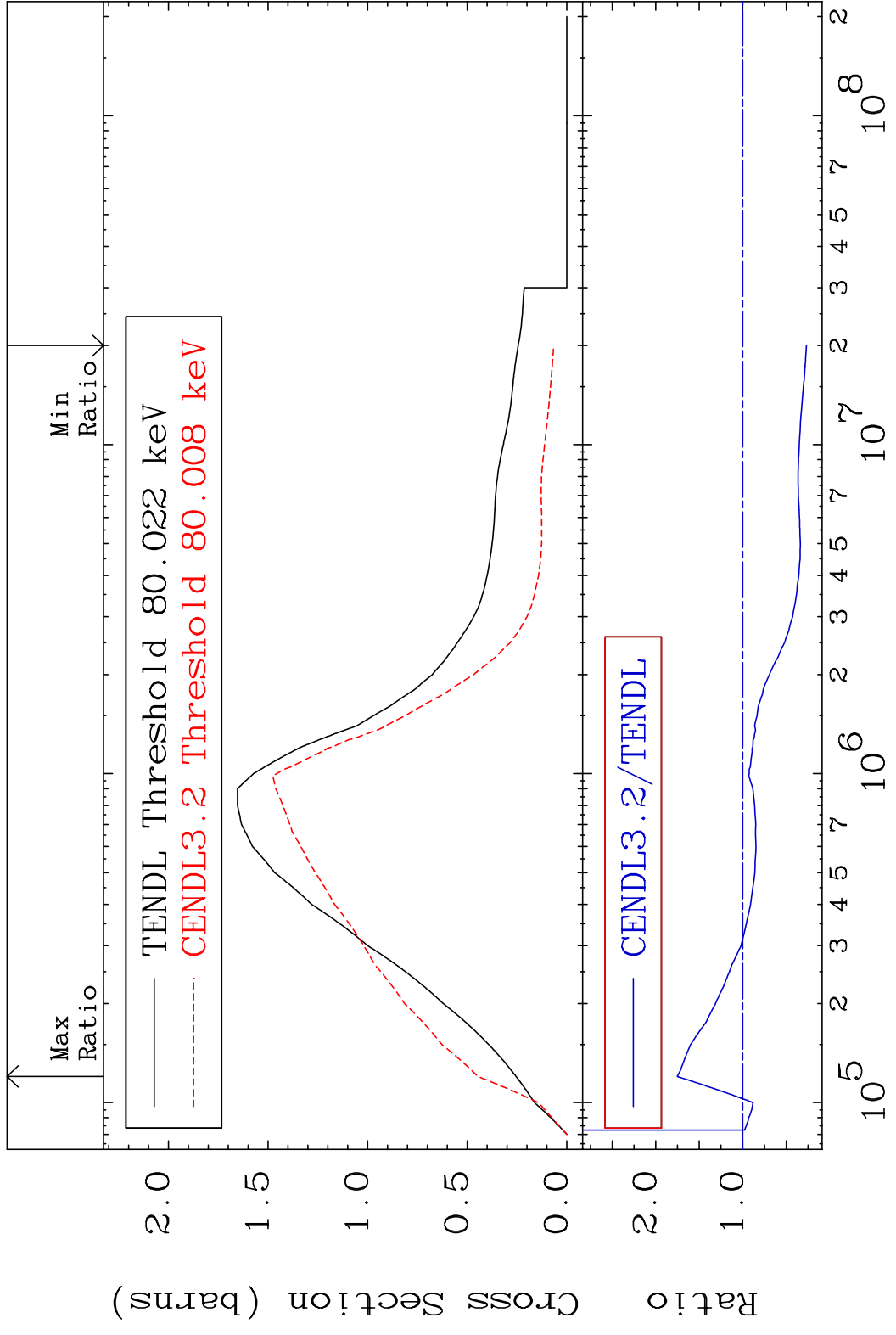


7

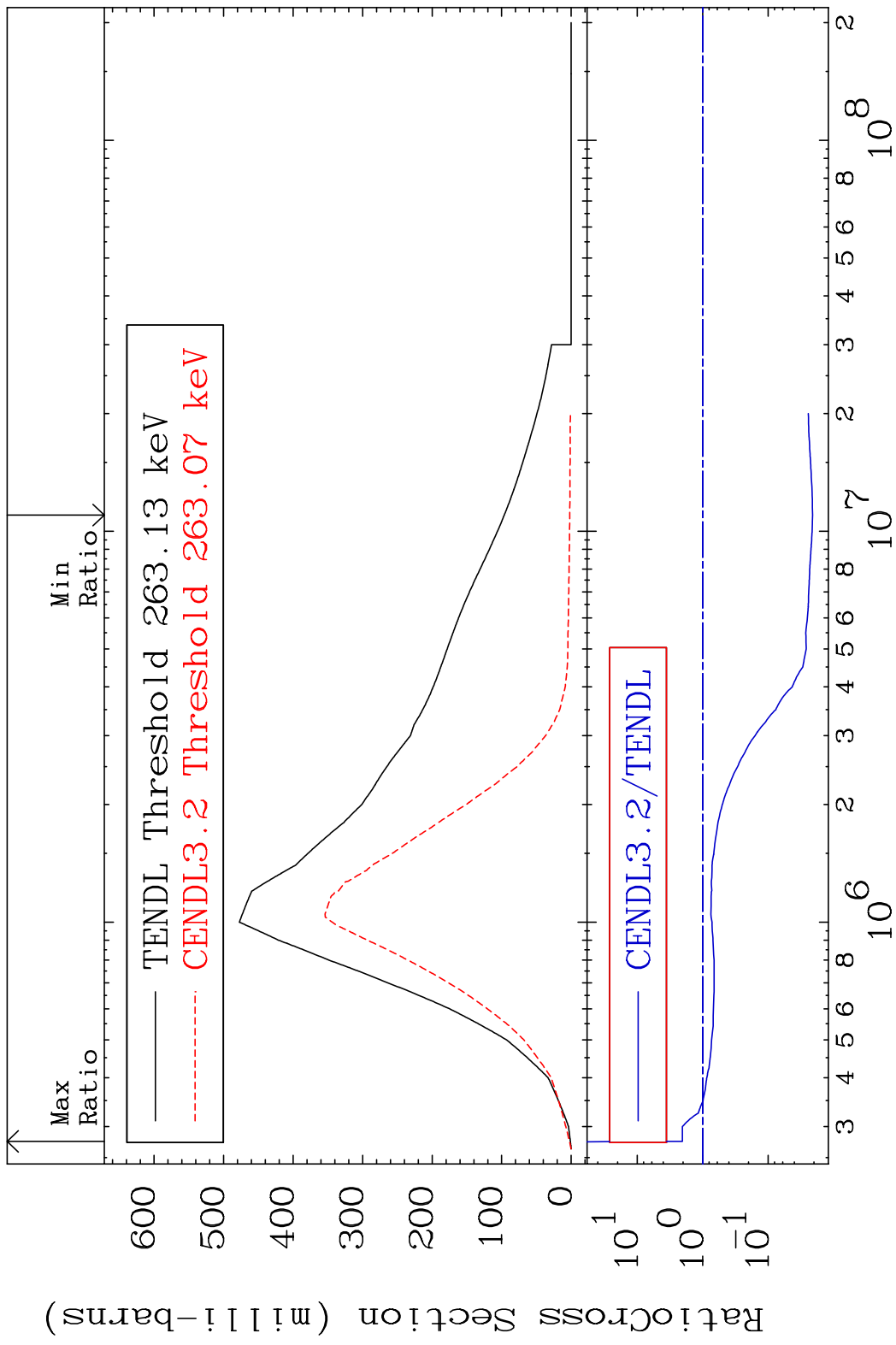
Incident Energy (eV)

64-Gd-158

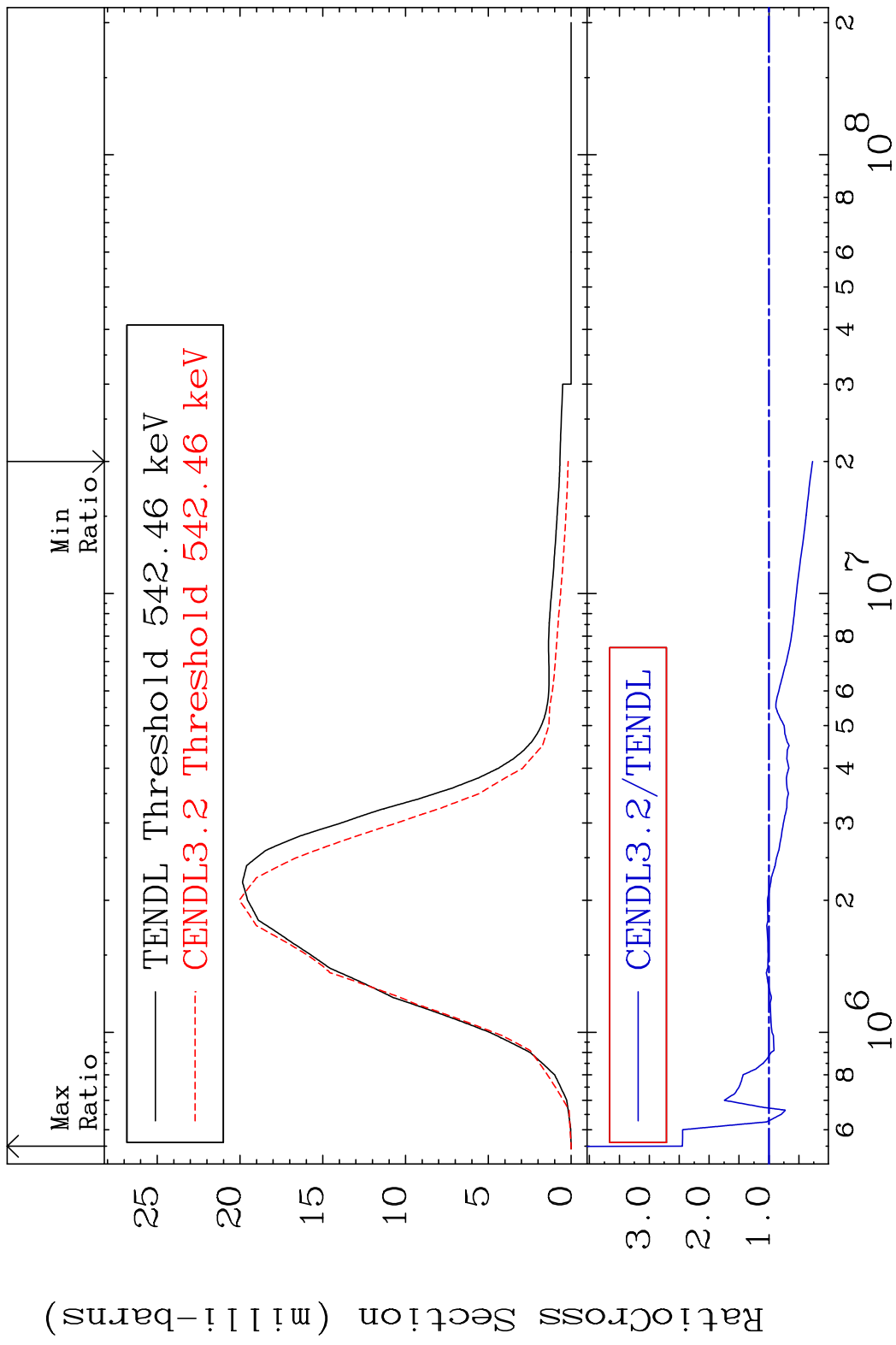
MAT 6443 MT= 51 (n, n') Level 64-Gd-158
 Cross Section -73.20 To 75.34 %



MAT 6443 MT= 52 (n, n') Level 64-Gd-158
 Cross Section -97.90 To 104.8 %

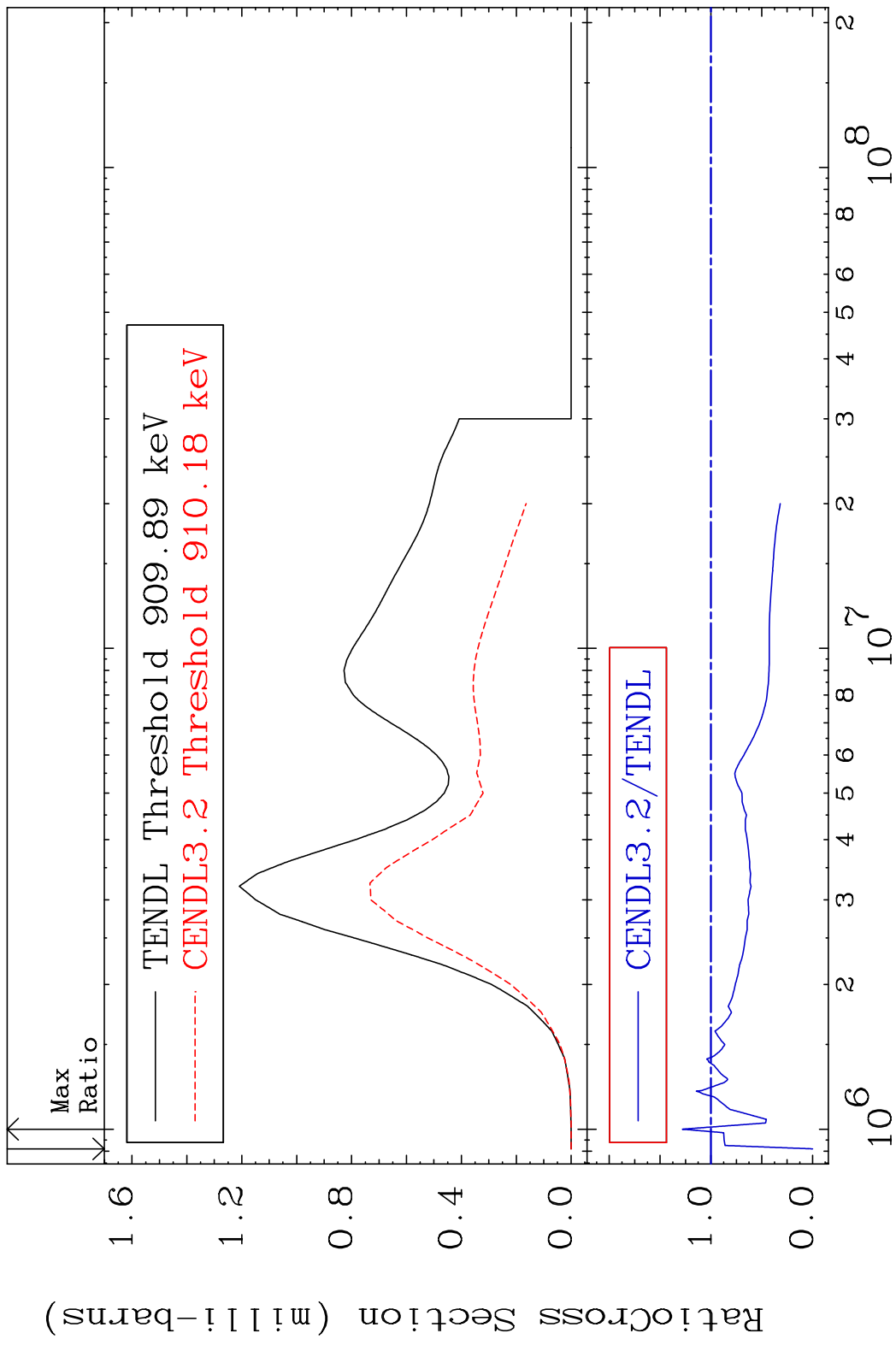


MAT 6443 MT= 53 (n, n') Level 64-Gd-158
 Cross Section -72.90 To 144.7 %



10 Incident Energy (eV) 64-Gd-158

MAT 6443 MT= 54 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 28.11 %



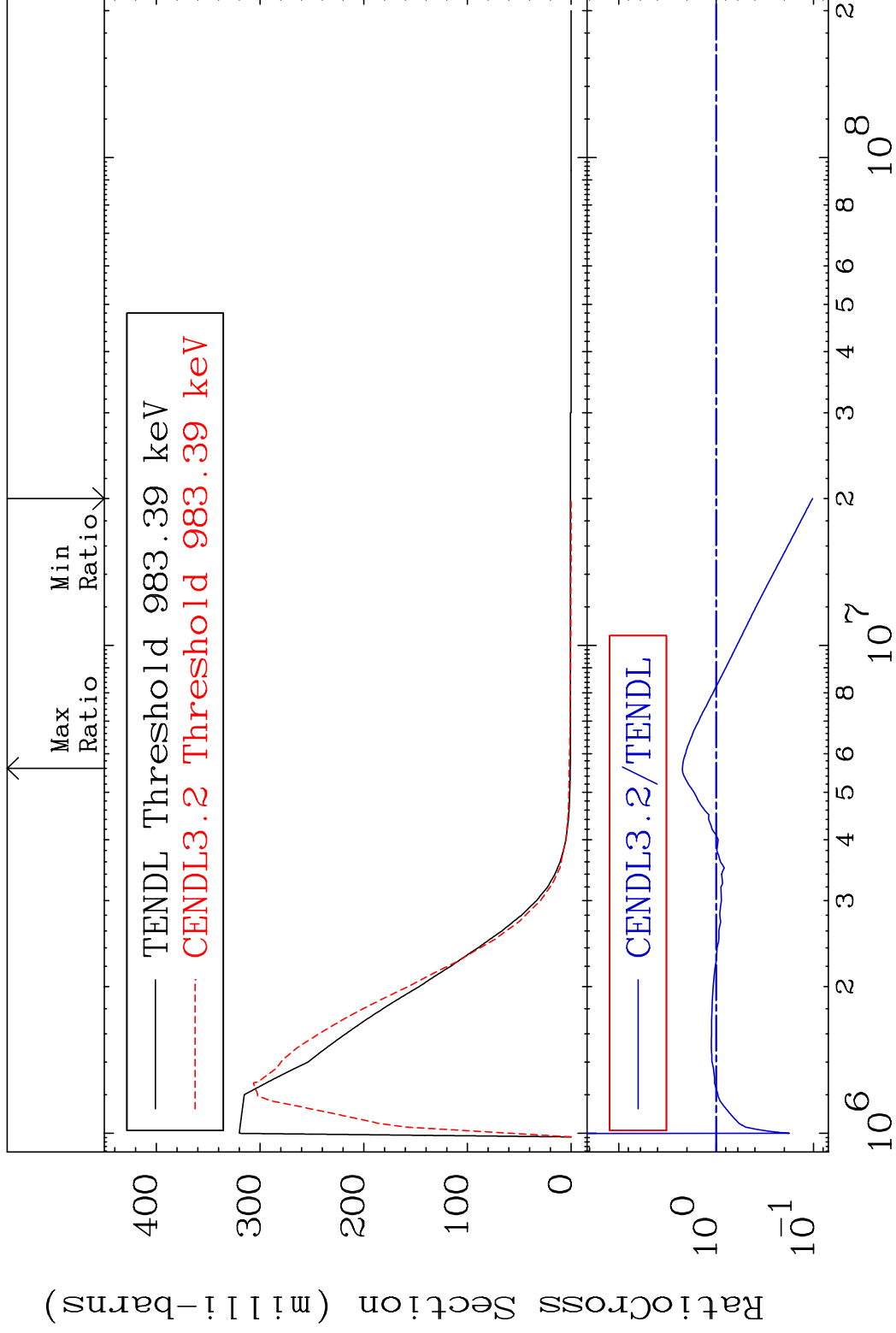
11 Incident Energy (eV) 64-Gd-158

MAT 6443

MT= 55 (n, n') Level

64-Gd-158

Cross Section -89.75 To 122.7 %

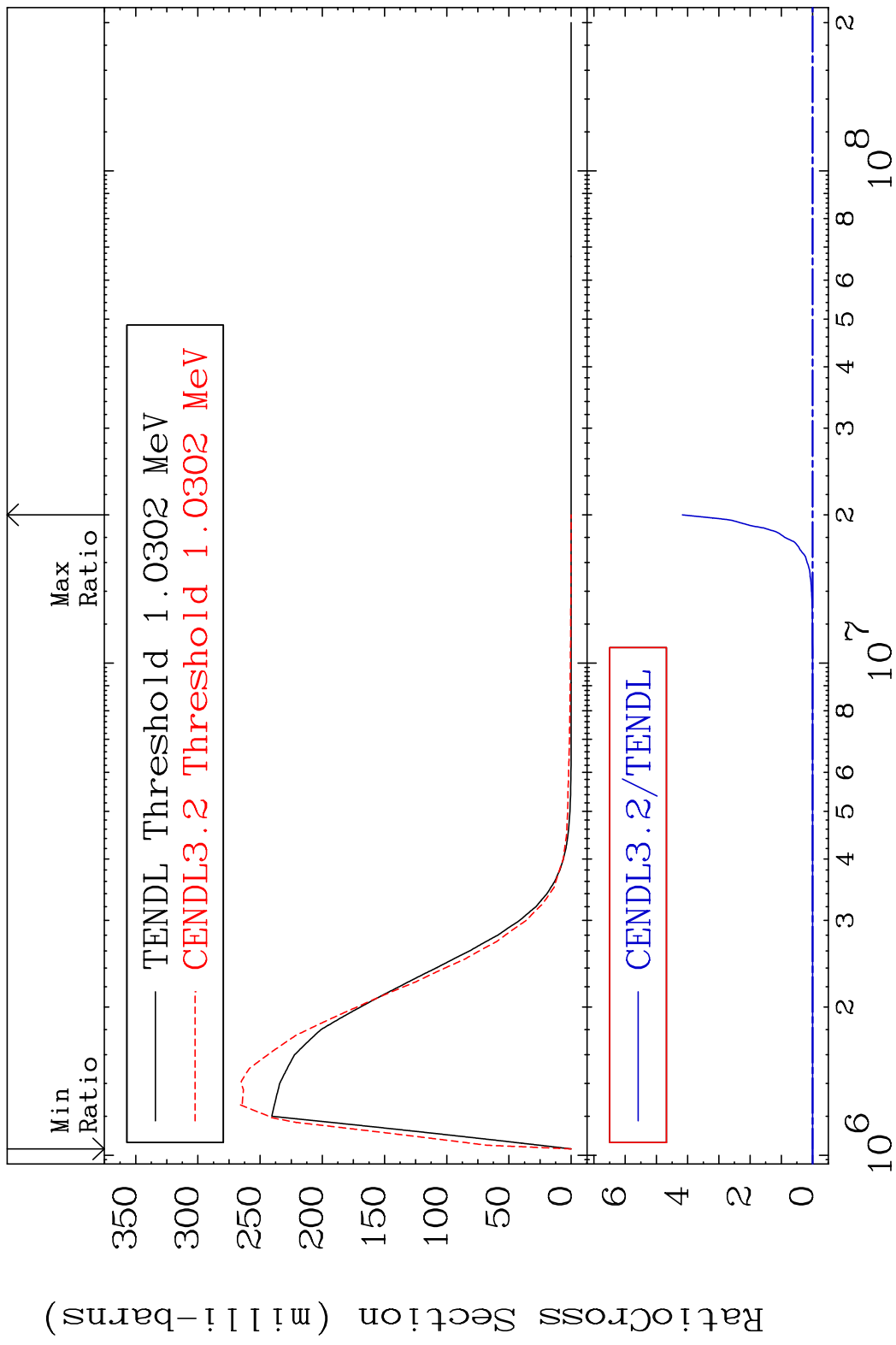


12

Incident Energy (eV)

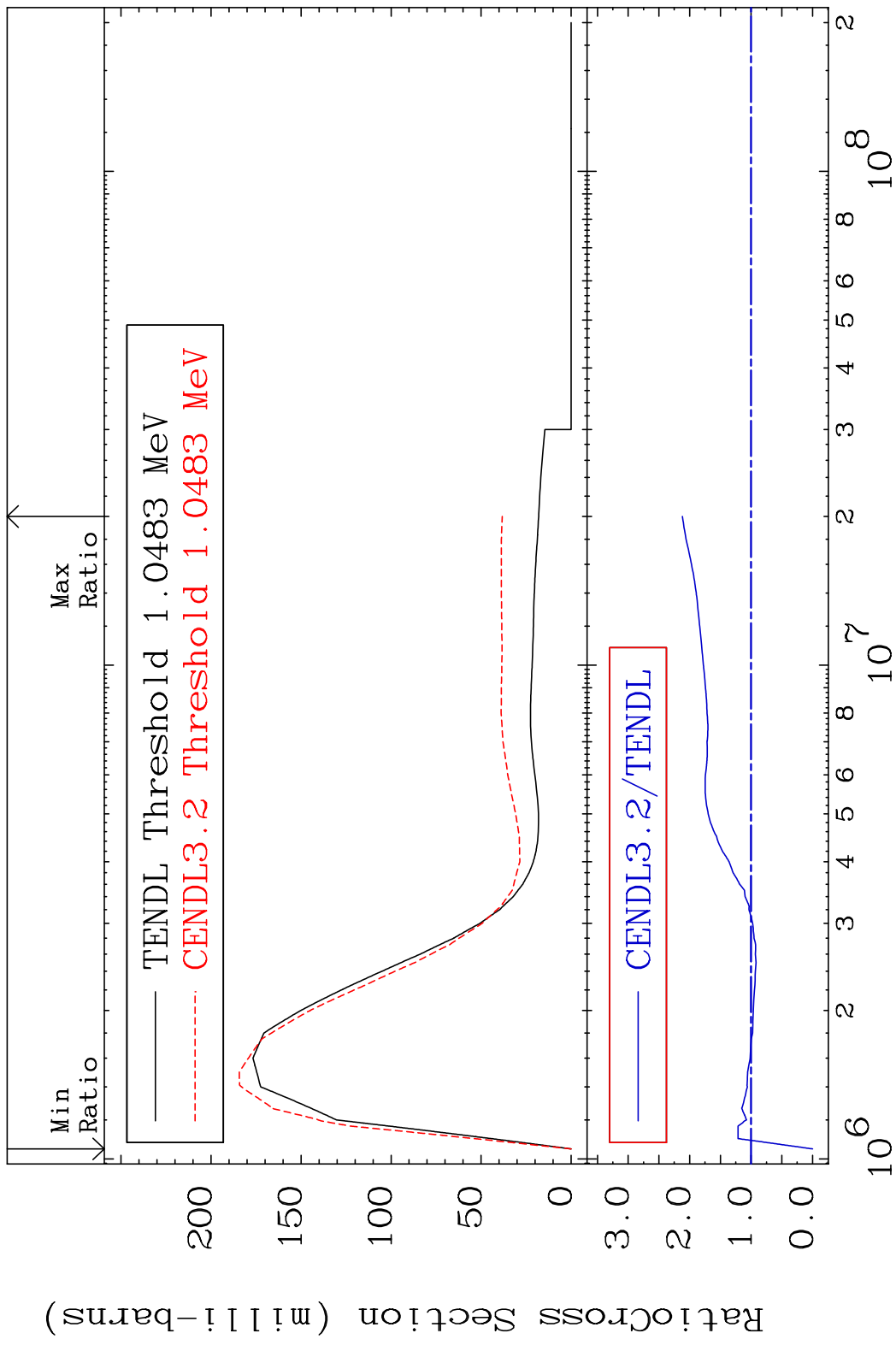
64-Gd-158

MAT 6443 MT= 56 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %



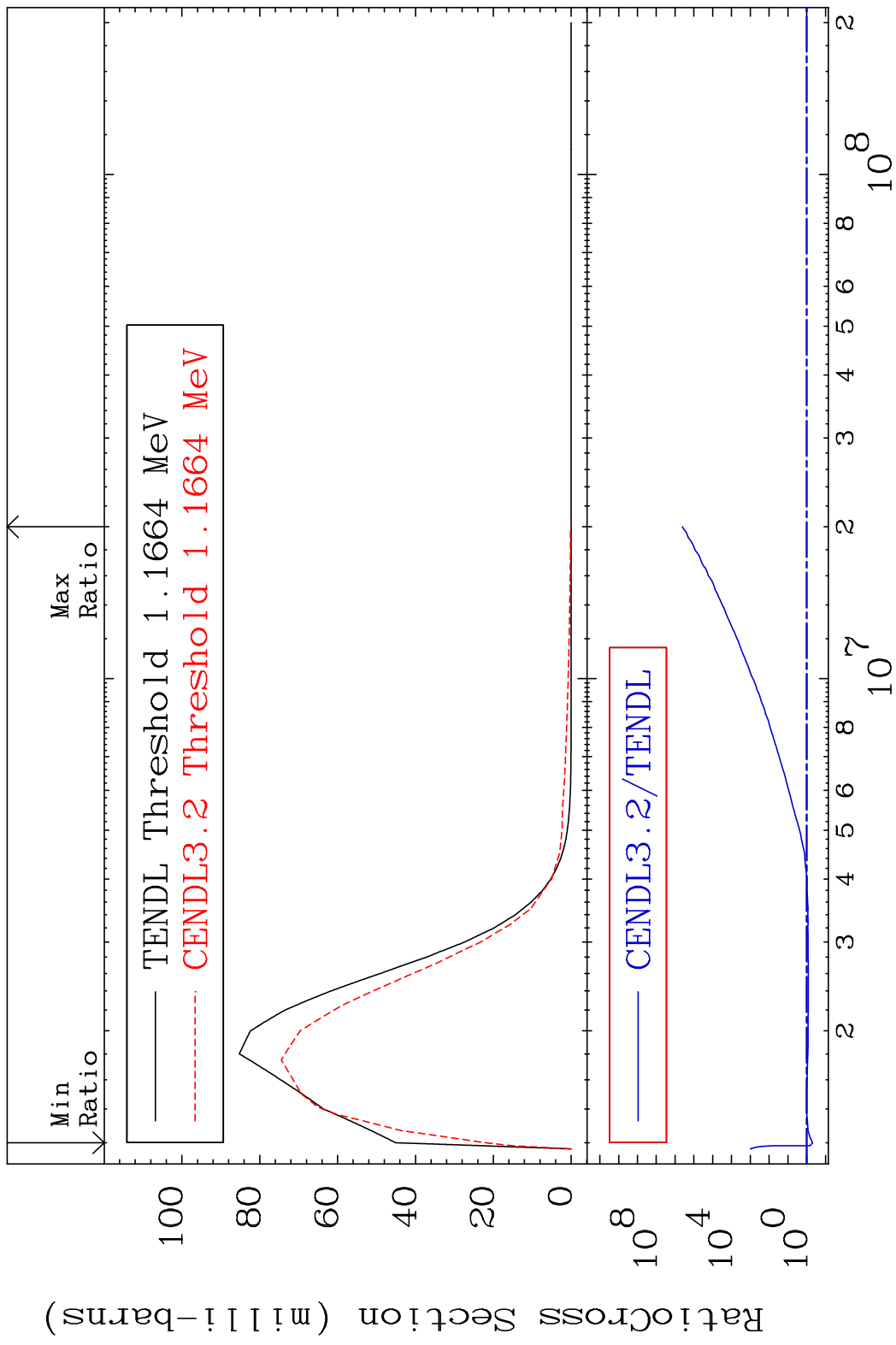
13 Incident Energy (eV) 64-Gd-158

MAT 6443 MT= 57 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 111.9 %

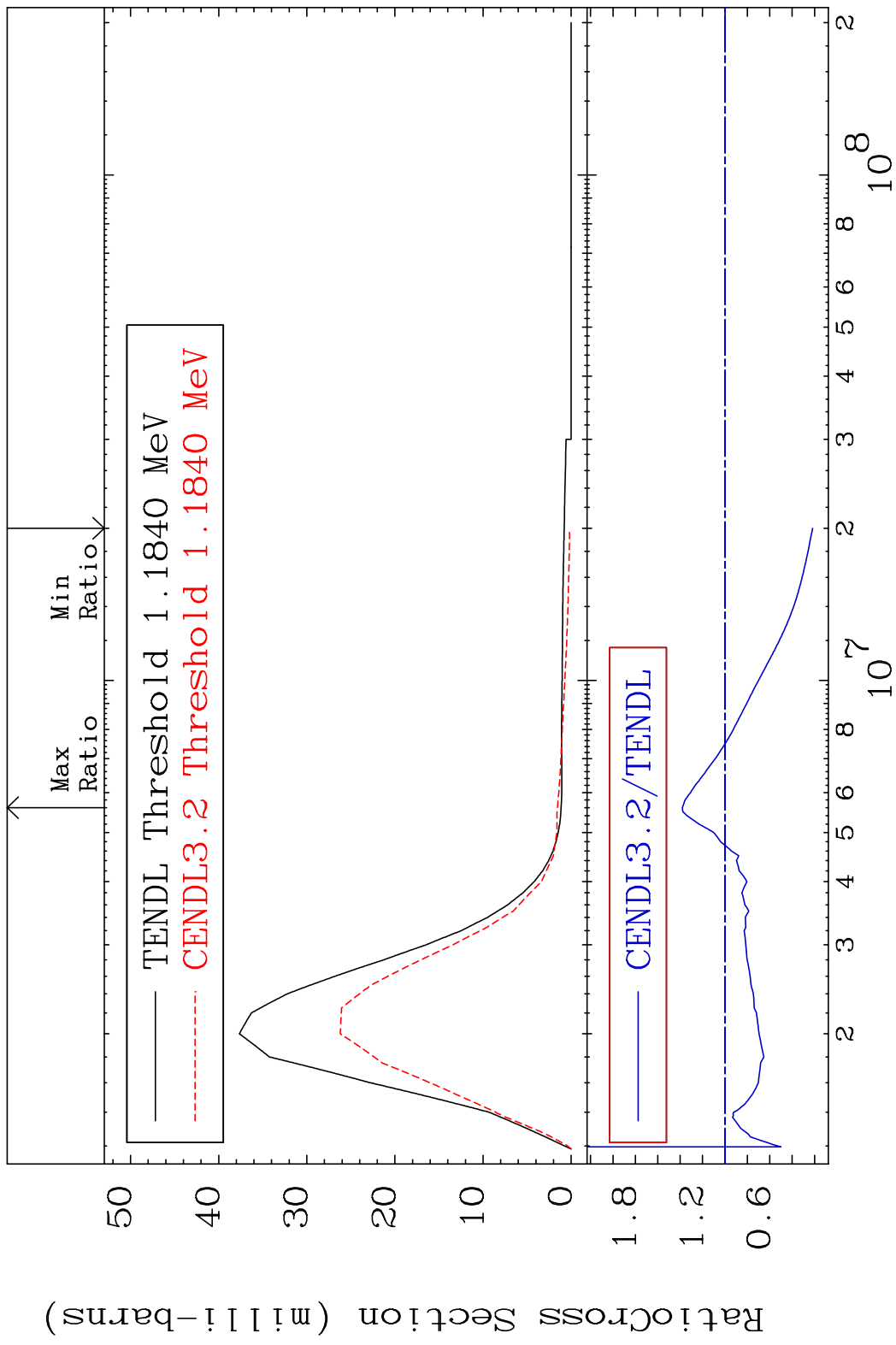


14 Incident Energy (eV) 64-Gd-158

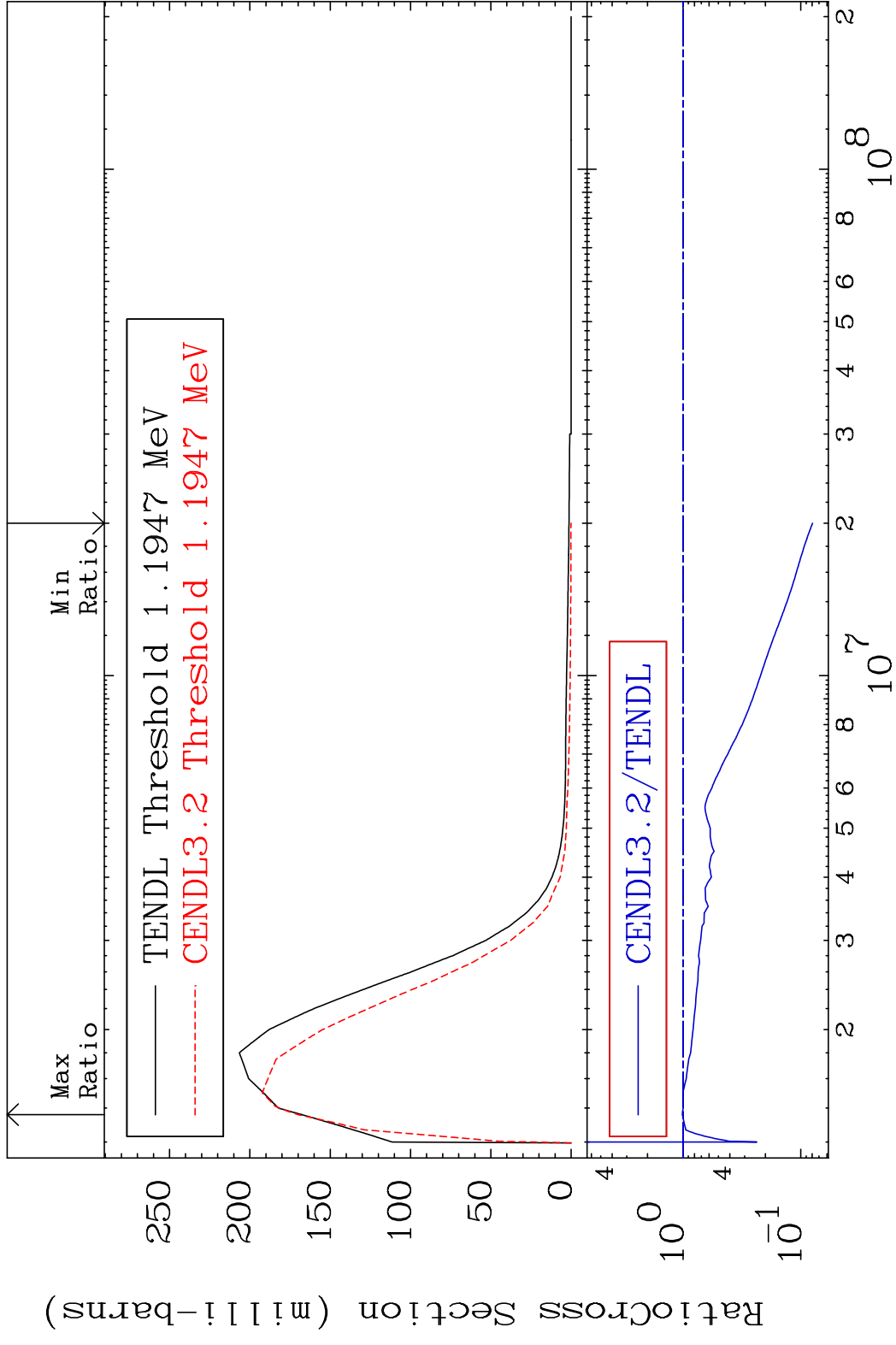
MAT 6443 MT= 58 (n, n') Level 64-Gd-158
 Cross Section -51.25 To 9999. %



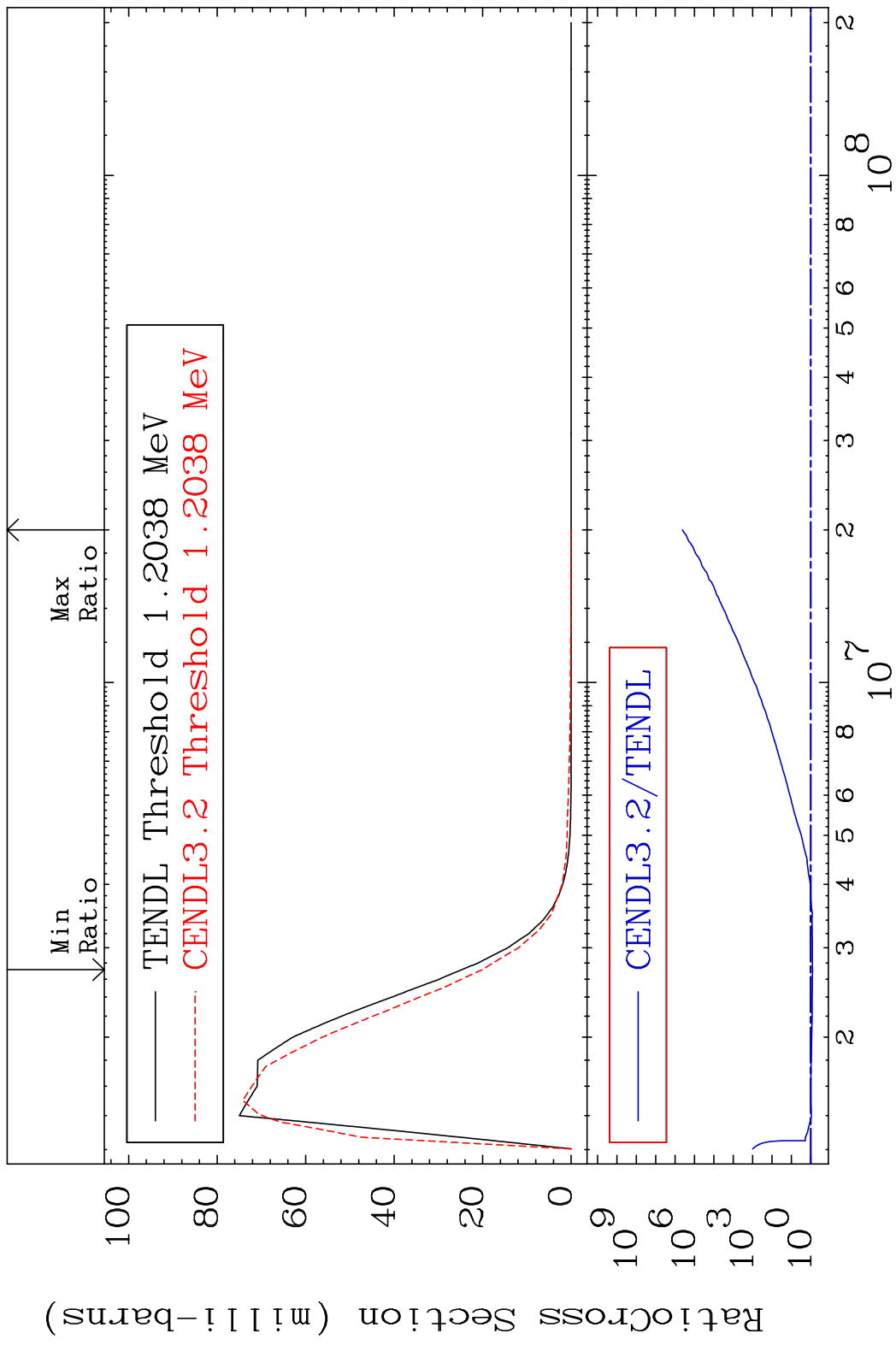
MAT 6443 MT= 59 (n, n') Level 64-Gd-158
 Cross Section -78.21 To 38.05 %



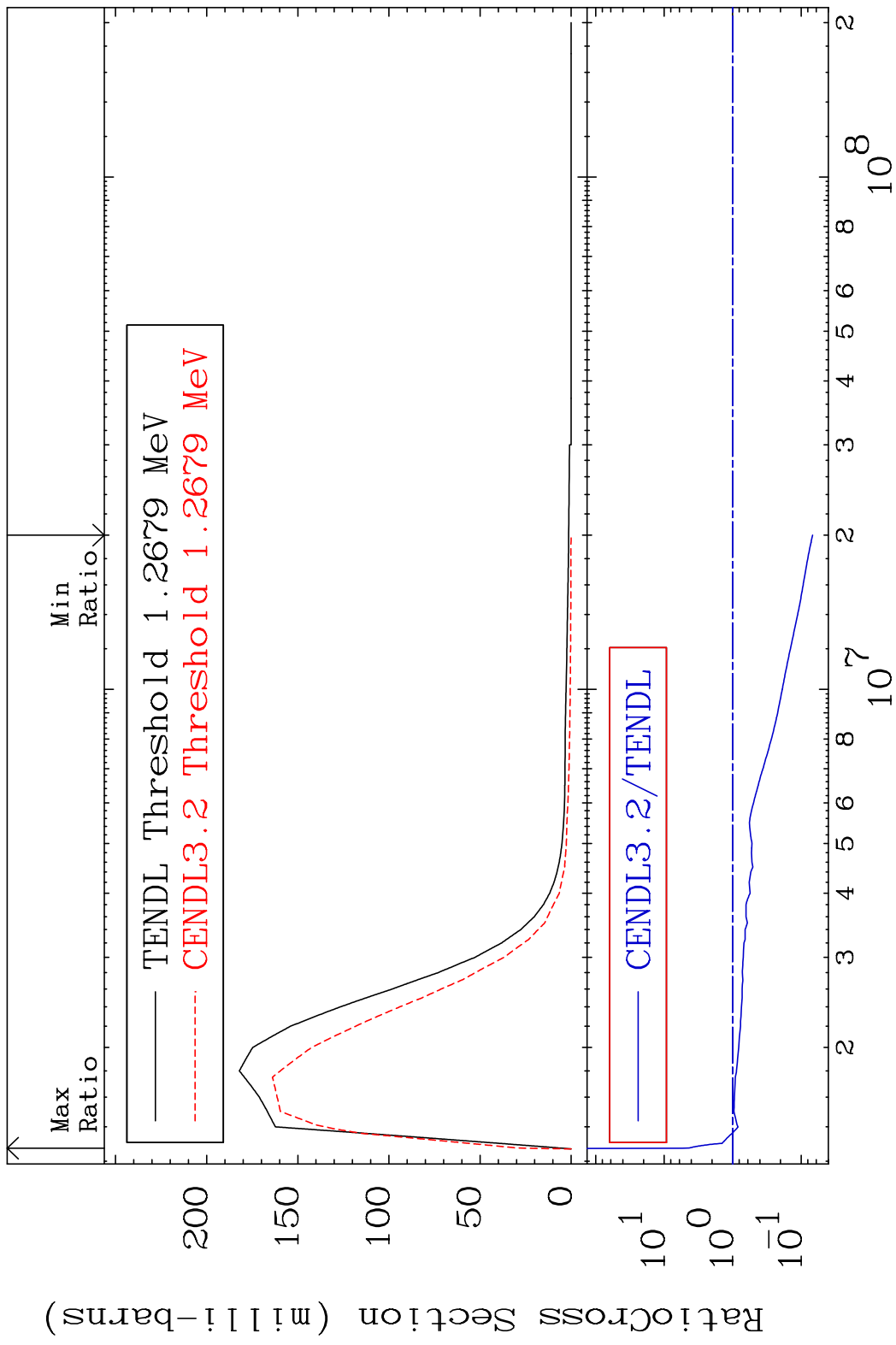
MAT 6443 MT= 60 (n, n') Level 64-Gd-158
 Cross Section -92.05 To 1.306 %



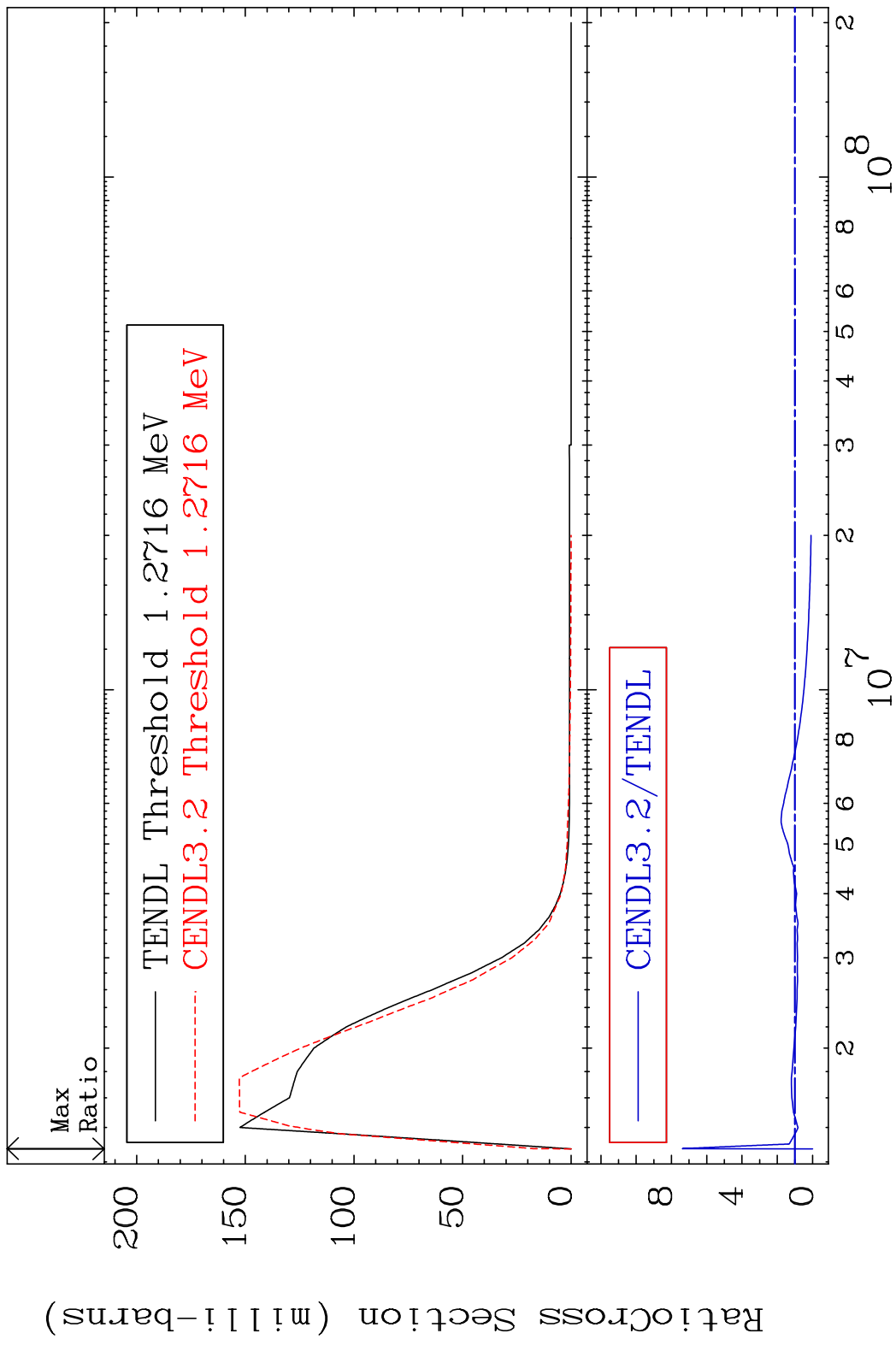
MAT 6443 MT= 61 (n, n') Level 64-Gd-158
 Cross Section -18.72 To 9999. %



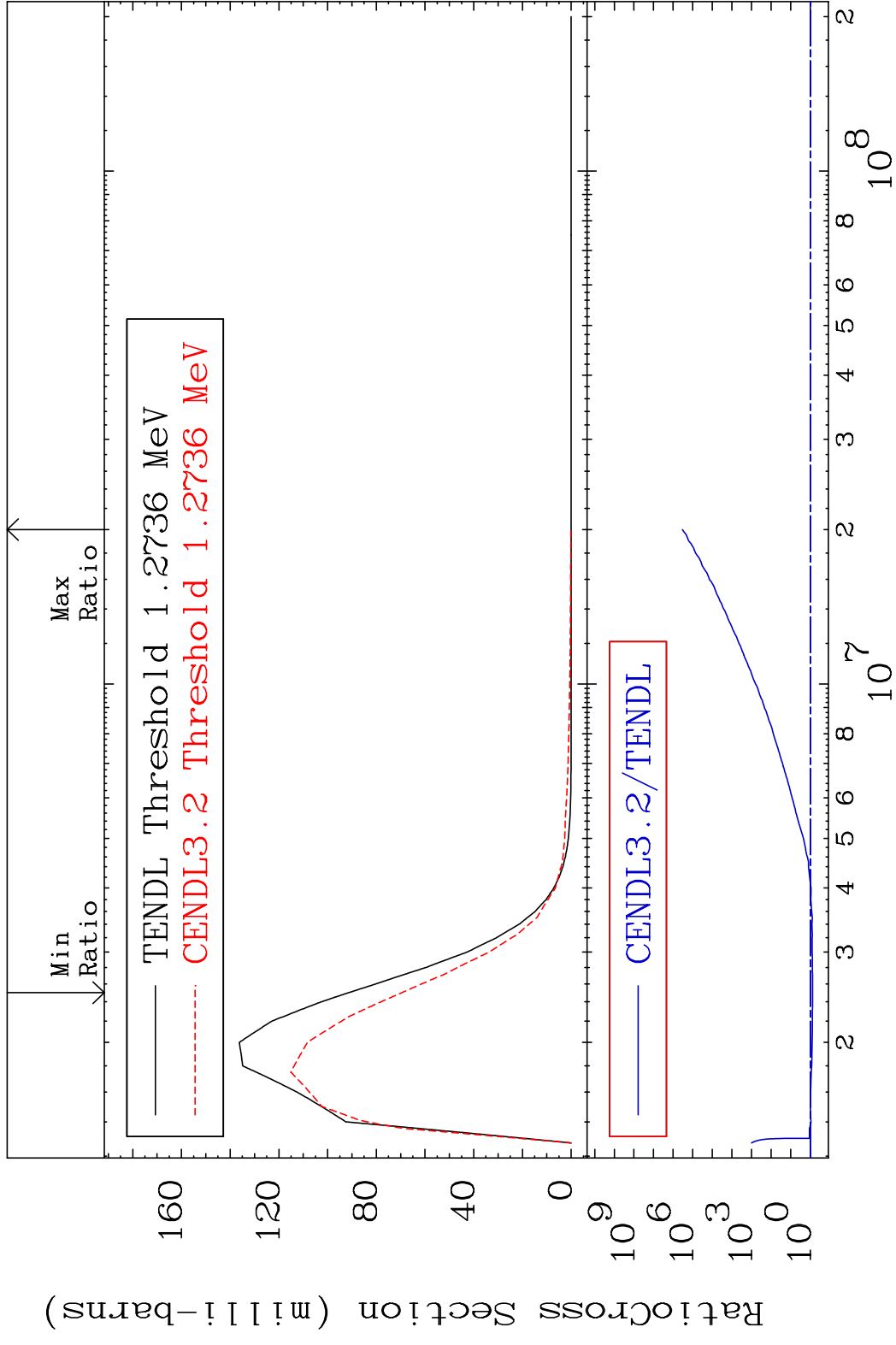
MAT 6443 MT= 62 (n, n') Level 64-Gd-158
 Cross Section -93.19 To 442.0 %



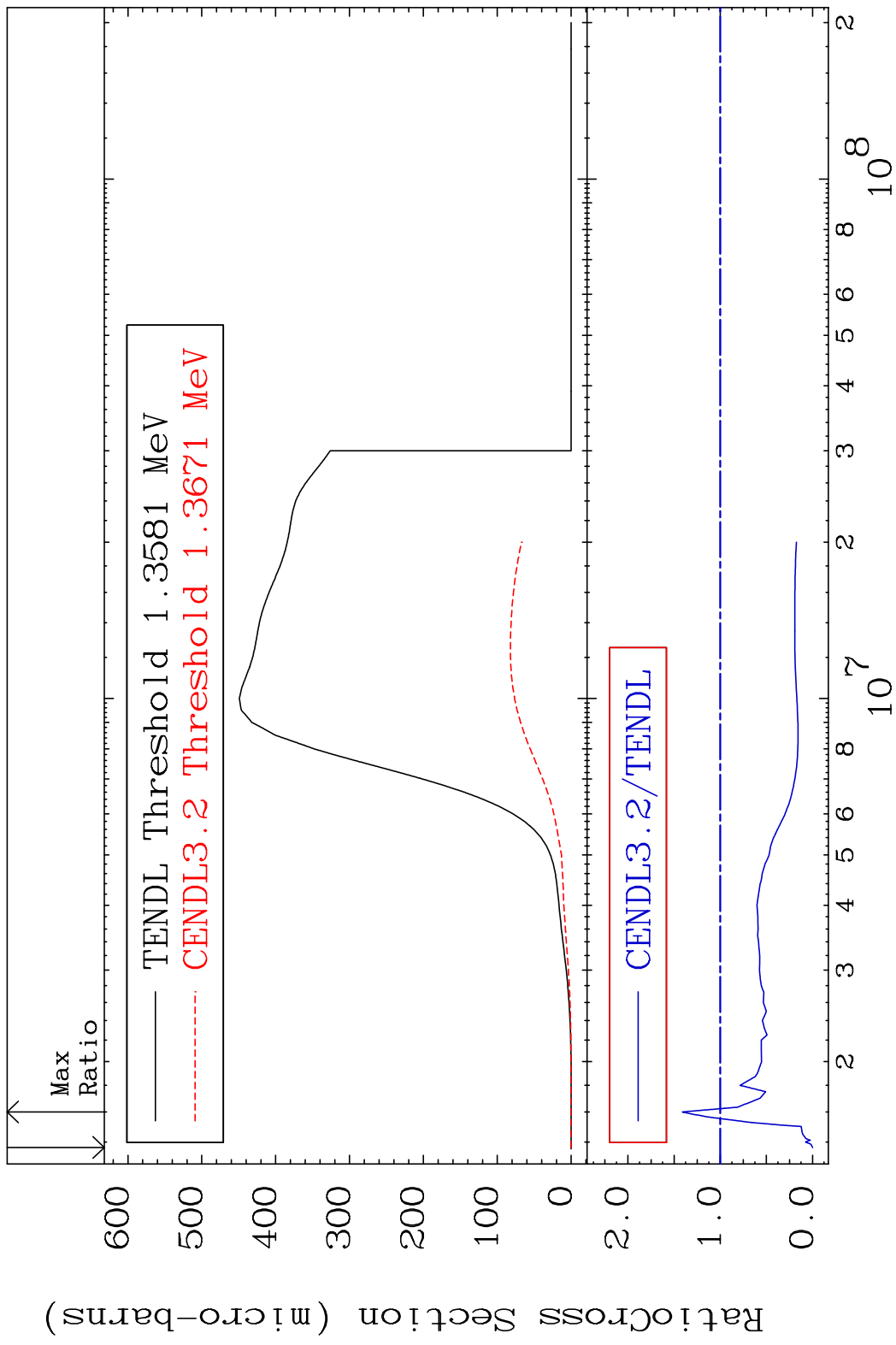
MAT 6443 MT= 63 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 638.3 %



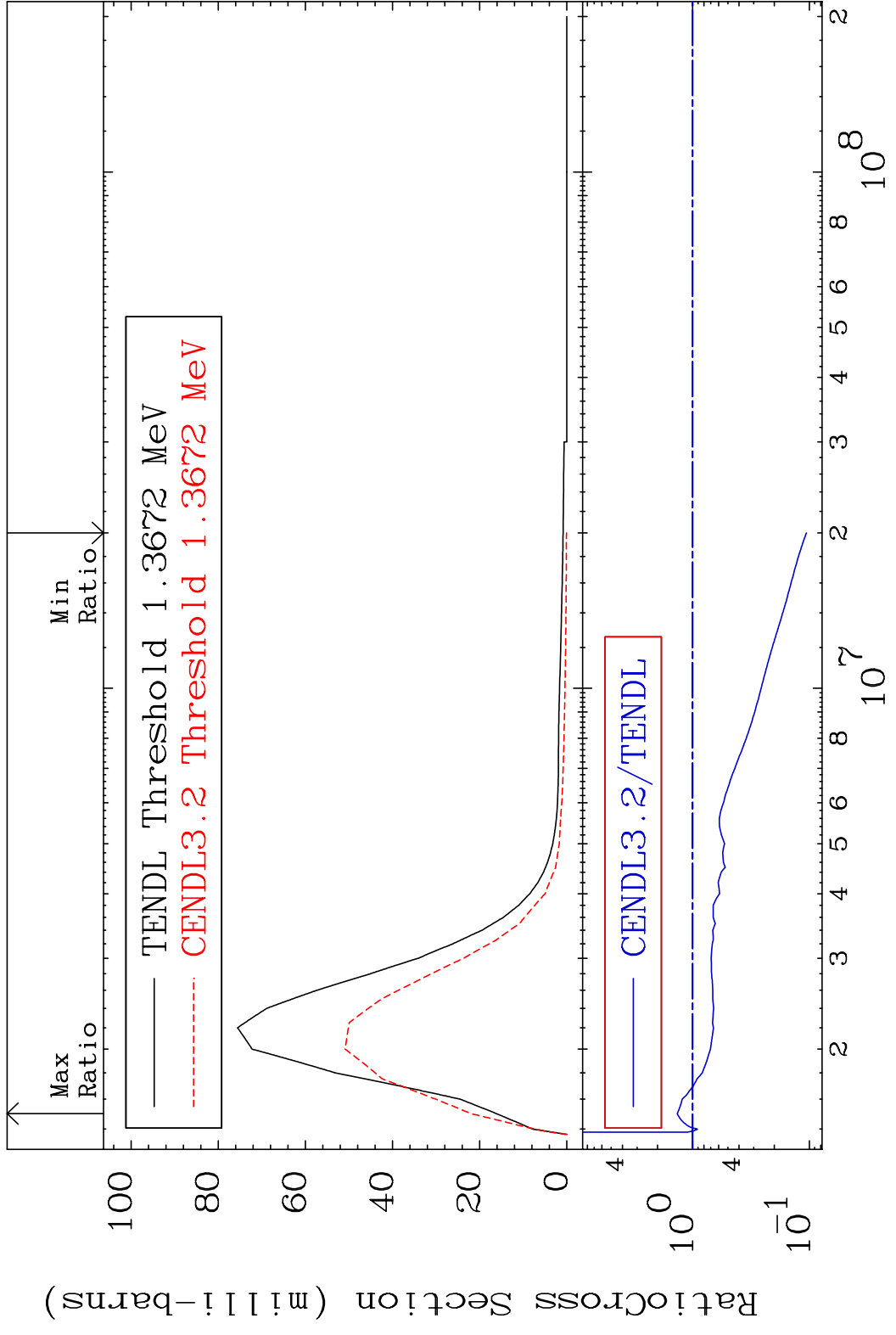
MAT 6443 MT= 64 (n, n') Level 64-Gd-158
 Cross Section -23.91 To 9999. %



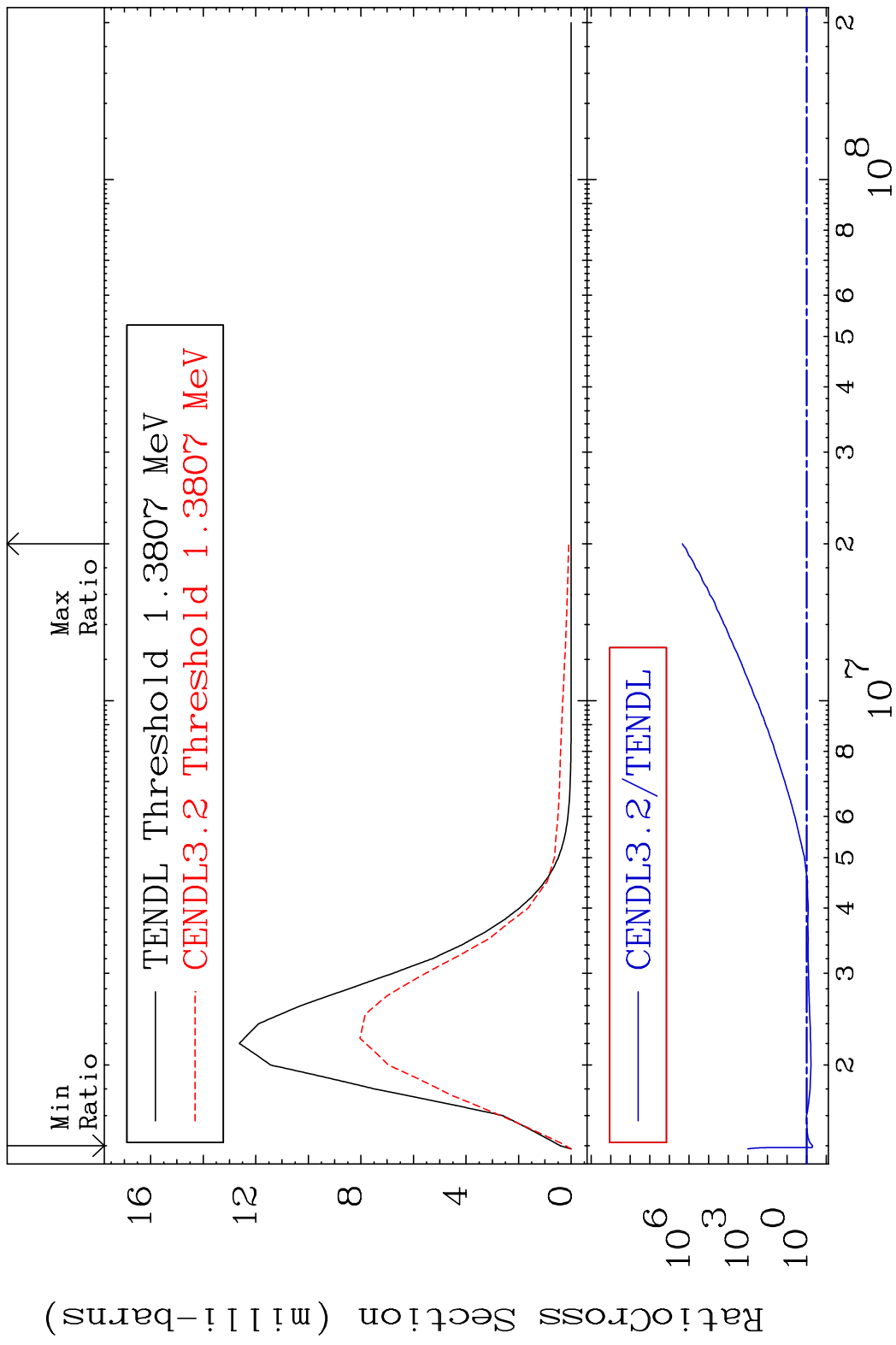
MAT 6443 MT= 65 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 41.08 %



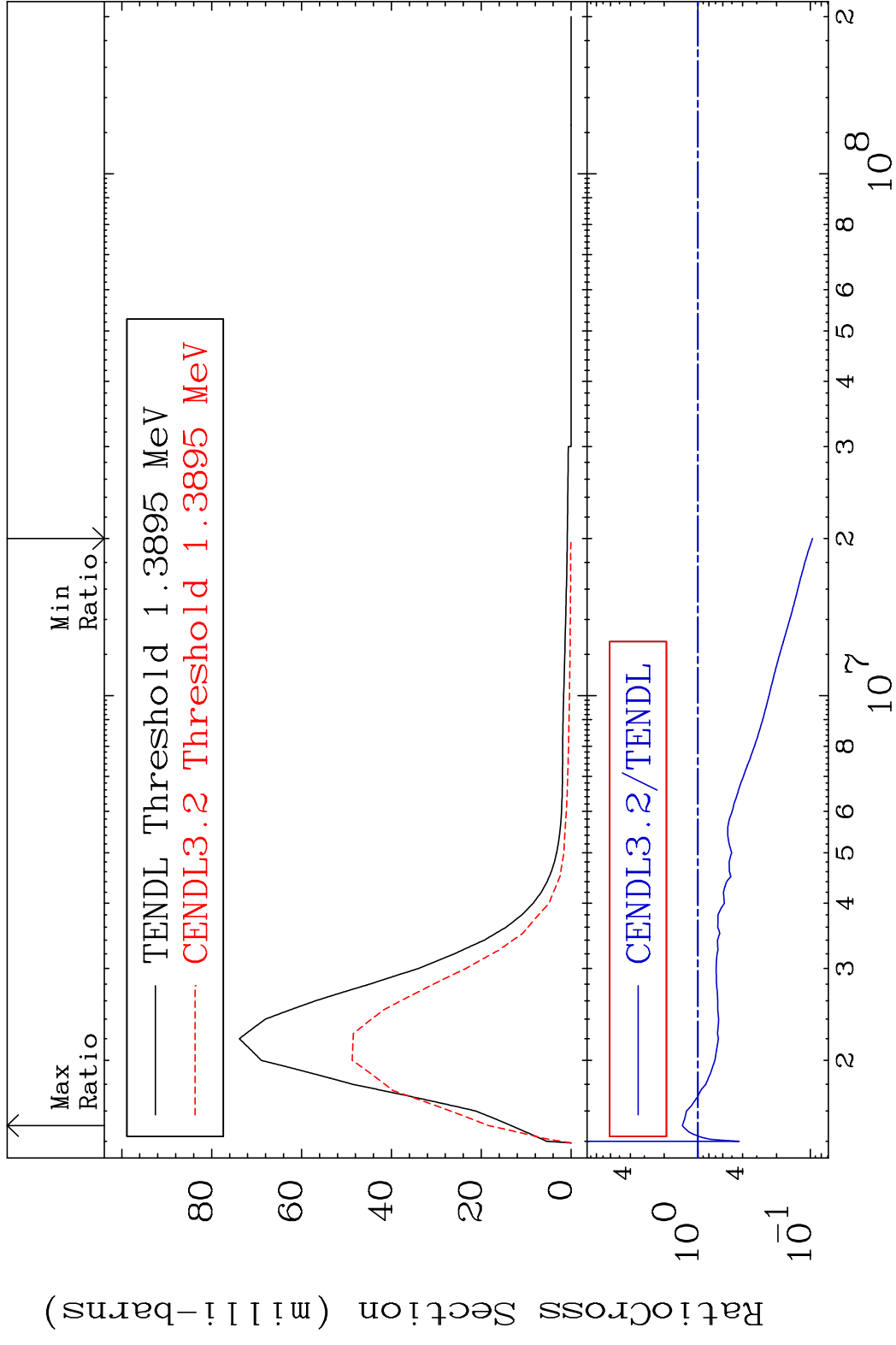
MAT 6443 MT= 66 (n, n') Level 64-Gd-158
 Cross Section -89.40 To 35.86 %



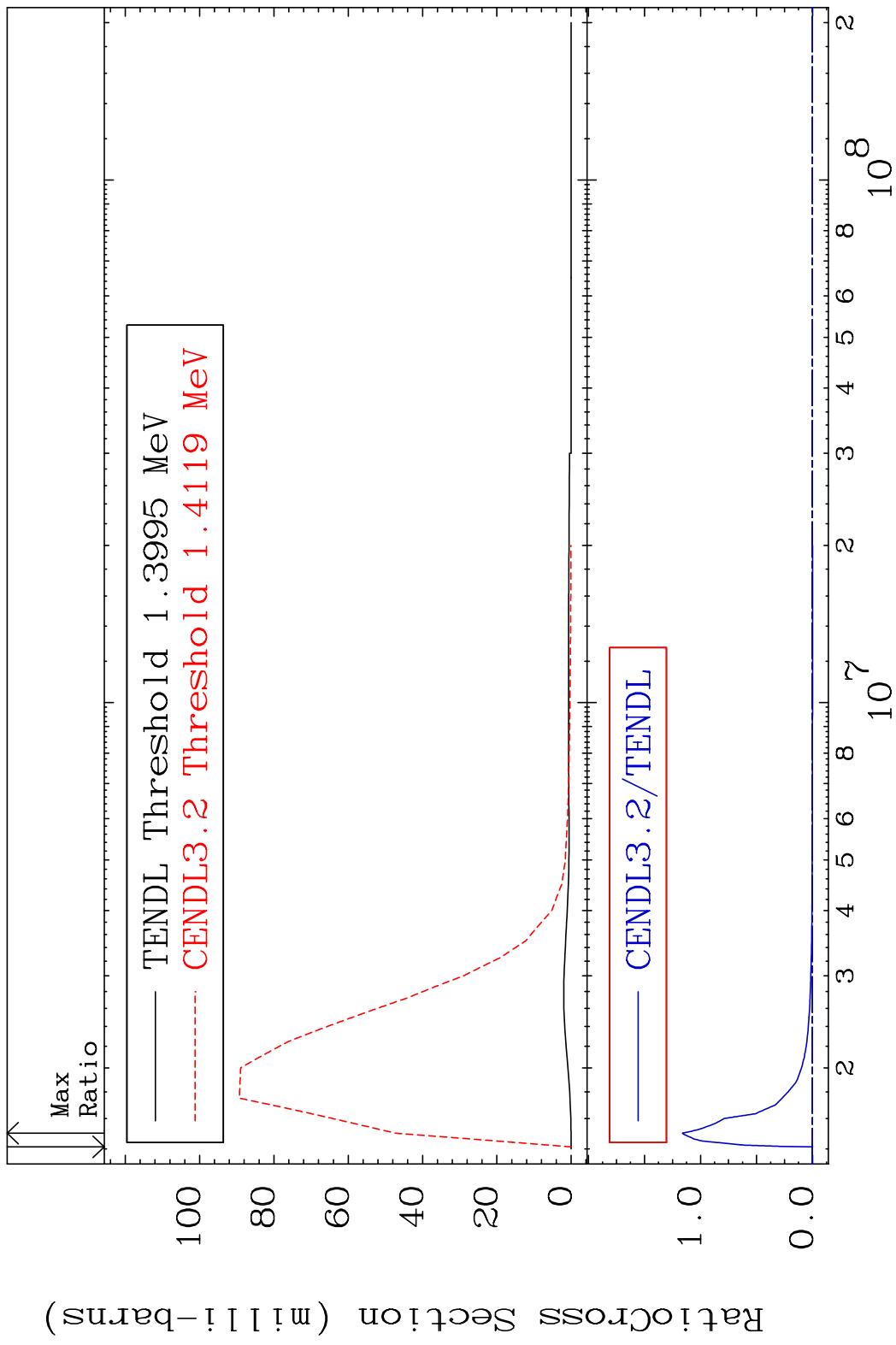
MAT 6443 MT= 67 (n, n') Level 64-Gd-158
 Cross Section -49.88 To 9999. %



MAT 6443 MT= 68 (n, n') Level 64-Gd-158
 Cross Section -90.45 To 37.62 %



MAT 6443 MT= 69 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %

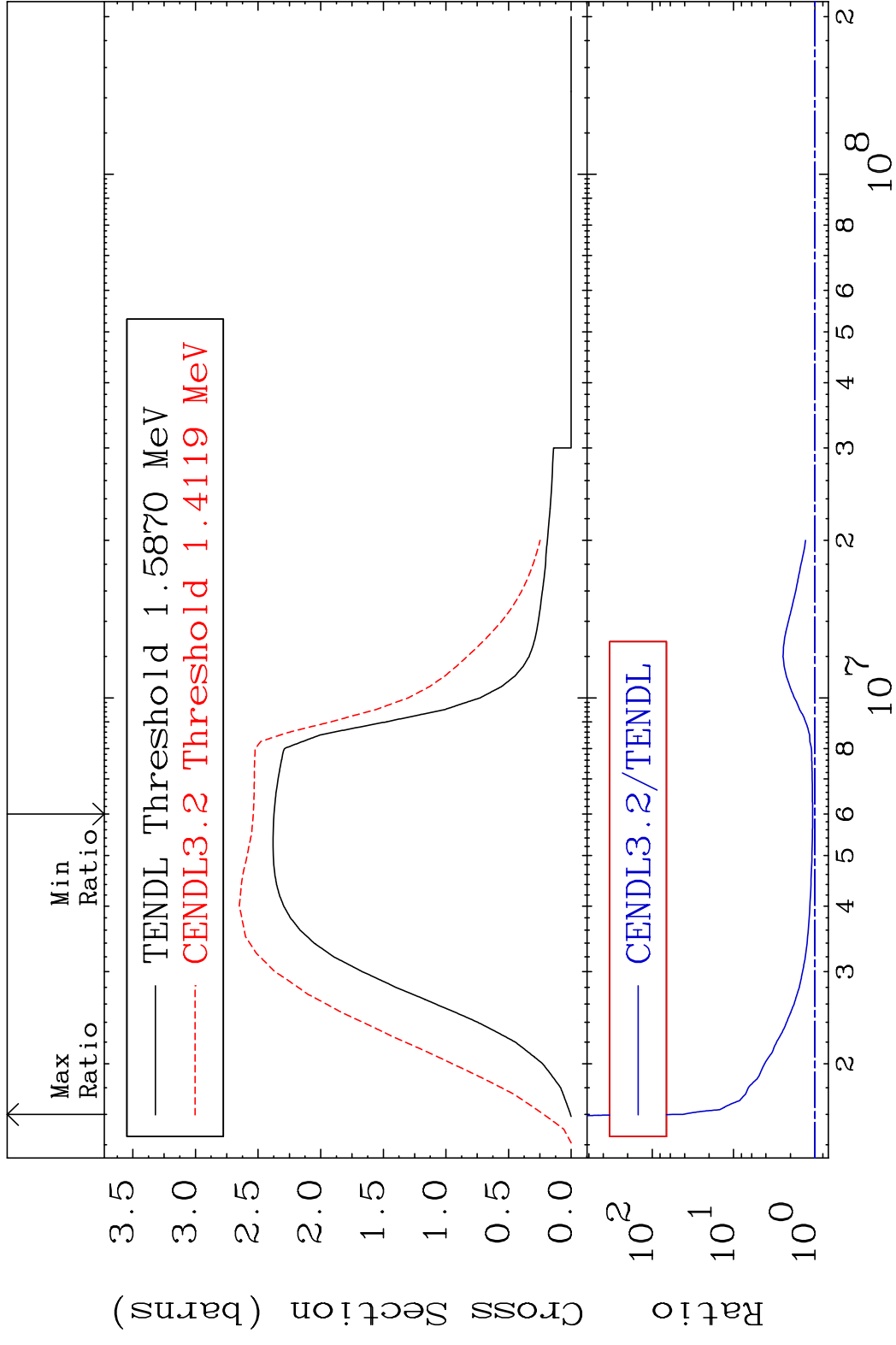


MAT 6443

(n, n') Continuum

64-Gd-158

Cross Section 6.944 To 4159. %

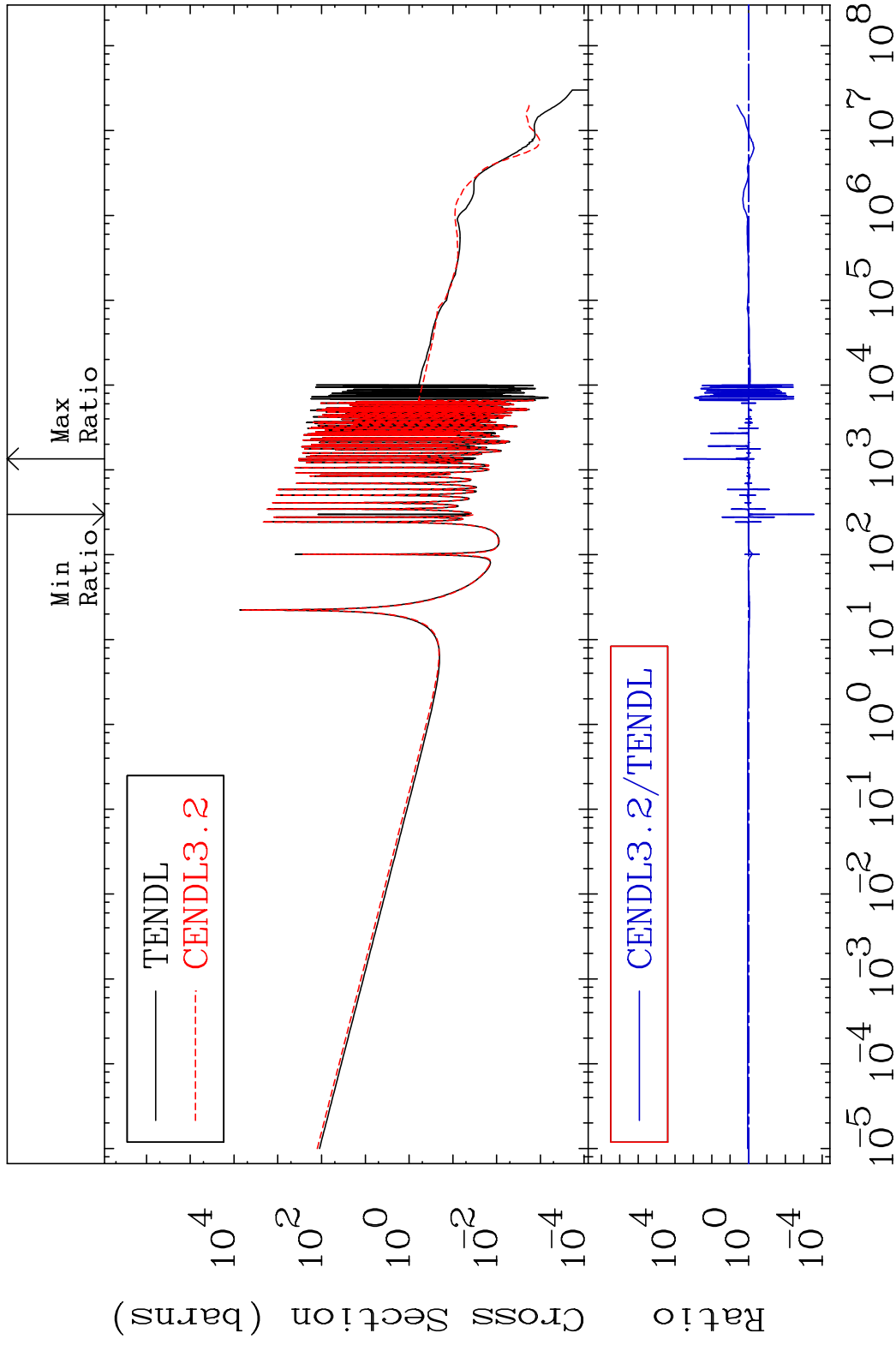


MAT 6443

(n, γ)

64-Gd-158

Cross Section -99.97 To 9999. %



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Incident Energy (eV)

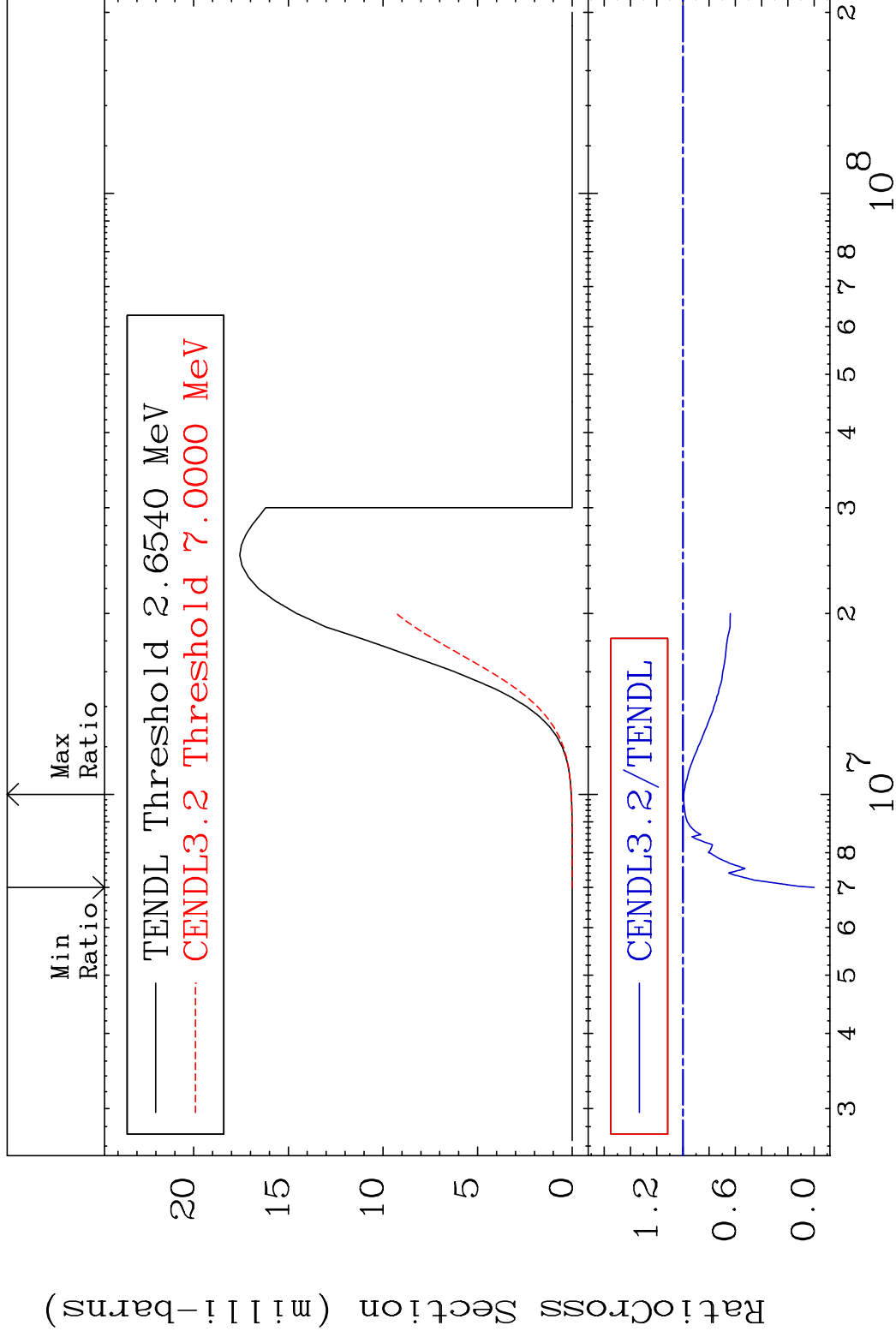
64-Gd-158

MAT 6443

(n, p)

64-Gd-158

Cross Section -100.0 To -0.560%



29

Incident Energy (eV)

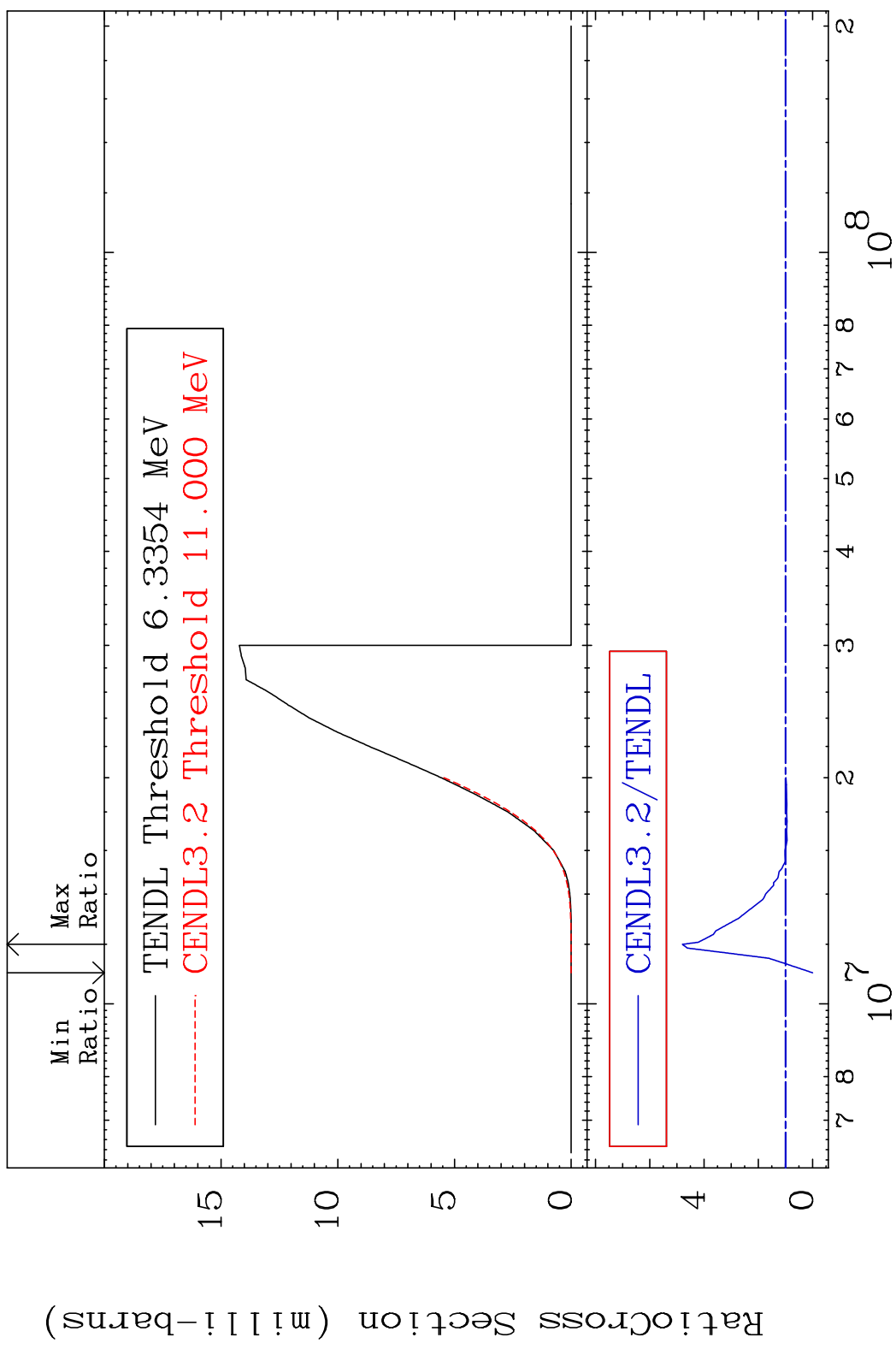
64-Gd-158

MAT 6443

(n, d)

64-Gd-158

Cross Section -100.0 To 379.7 %

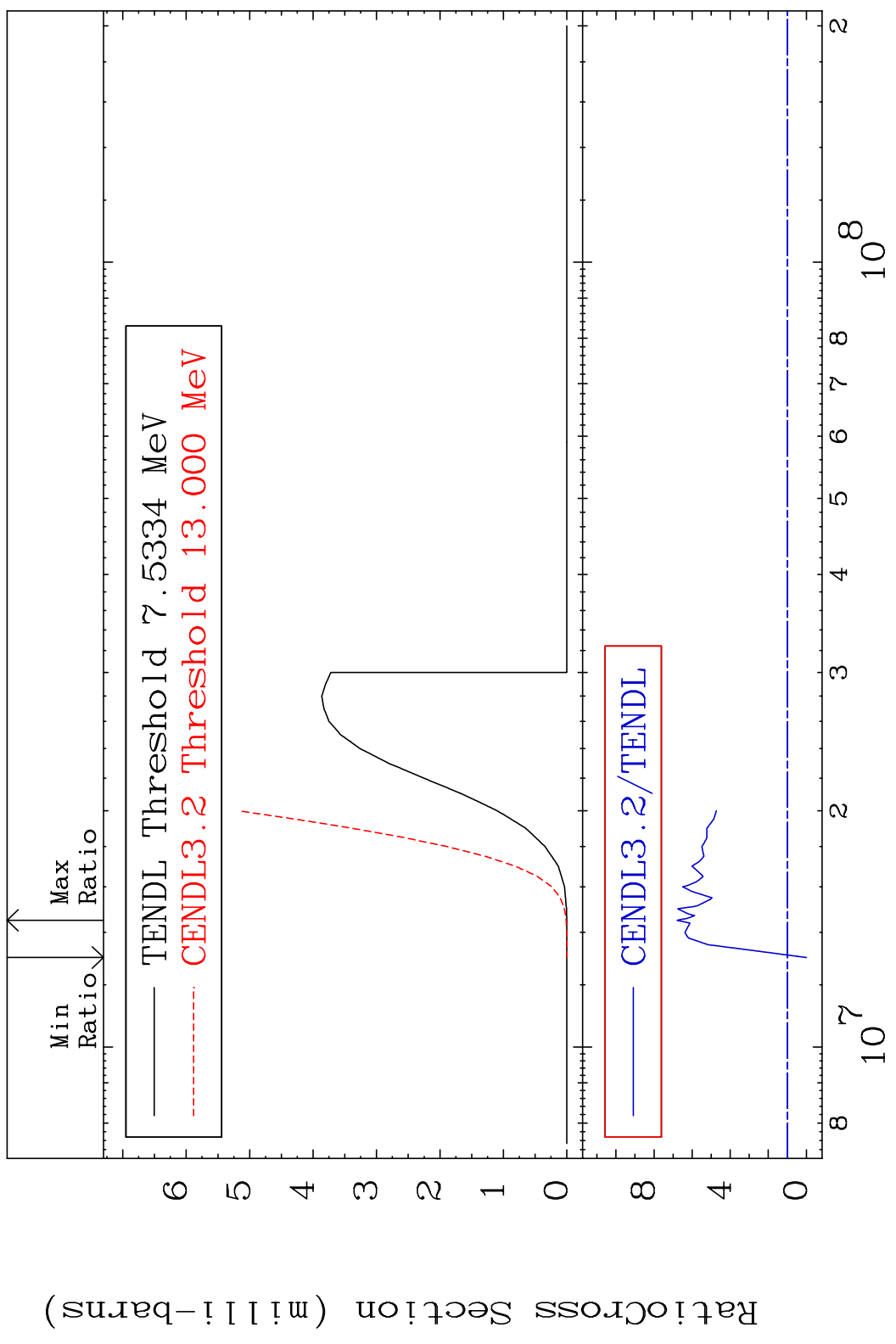


MAT 6443

(n, t)

64-Gd-158

Cross Section -100.0 To 578.4 %

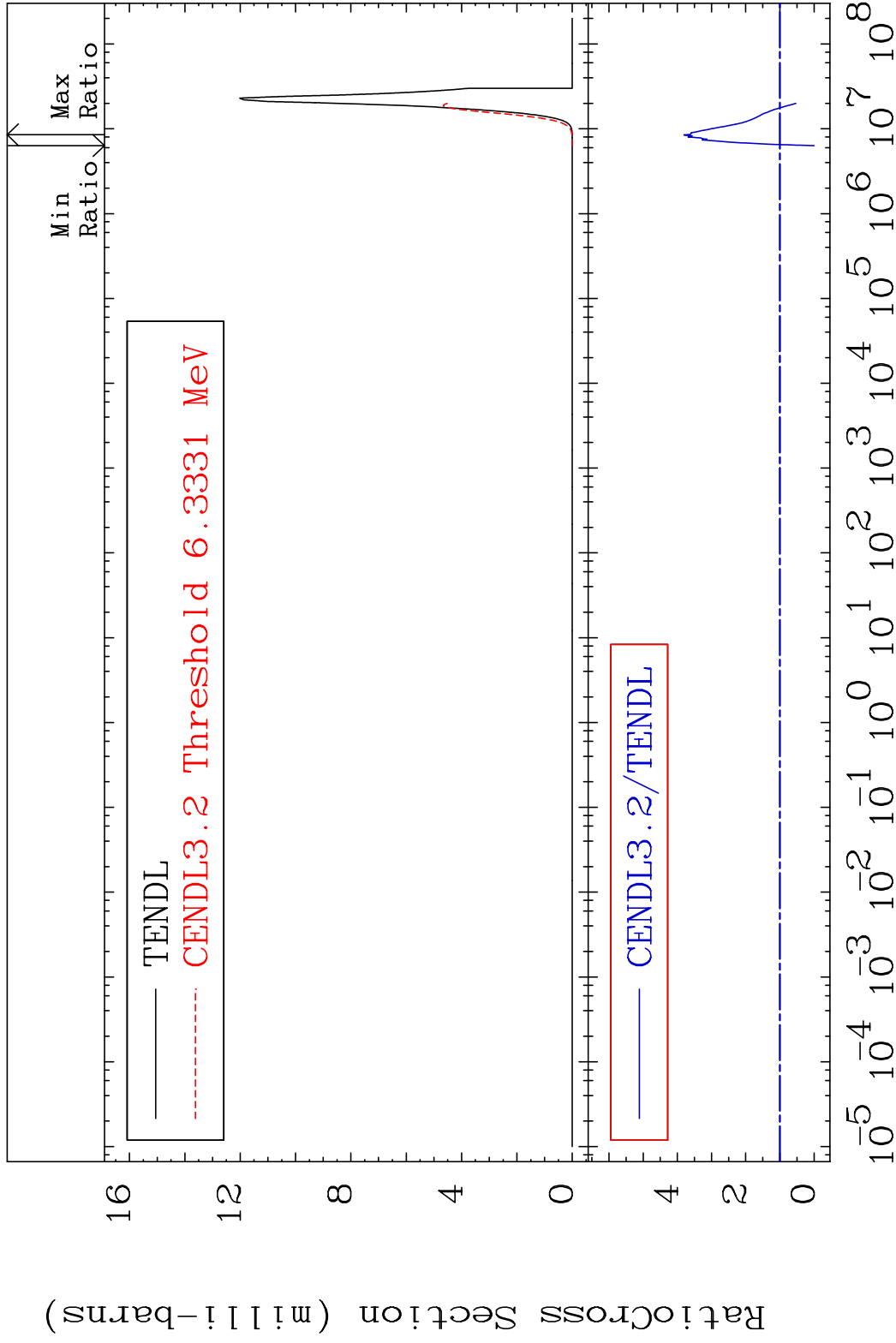


MAT 6443

(n, α)

64-Gd-158

Cross Section -100.0 To 281.5 %



32

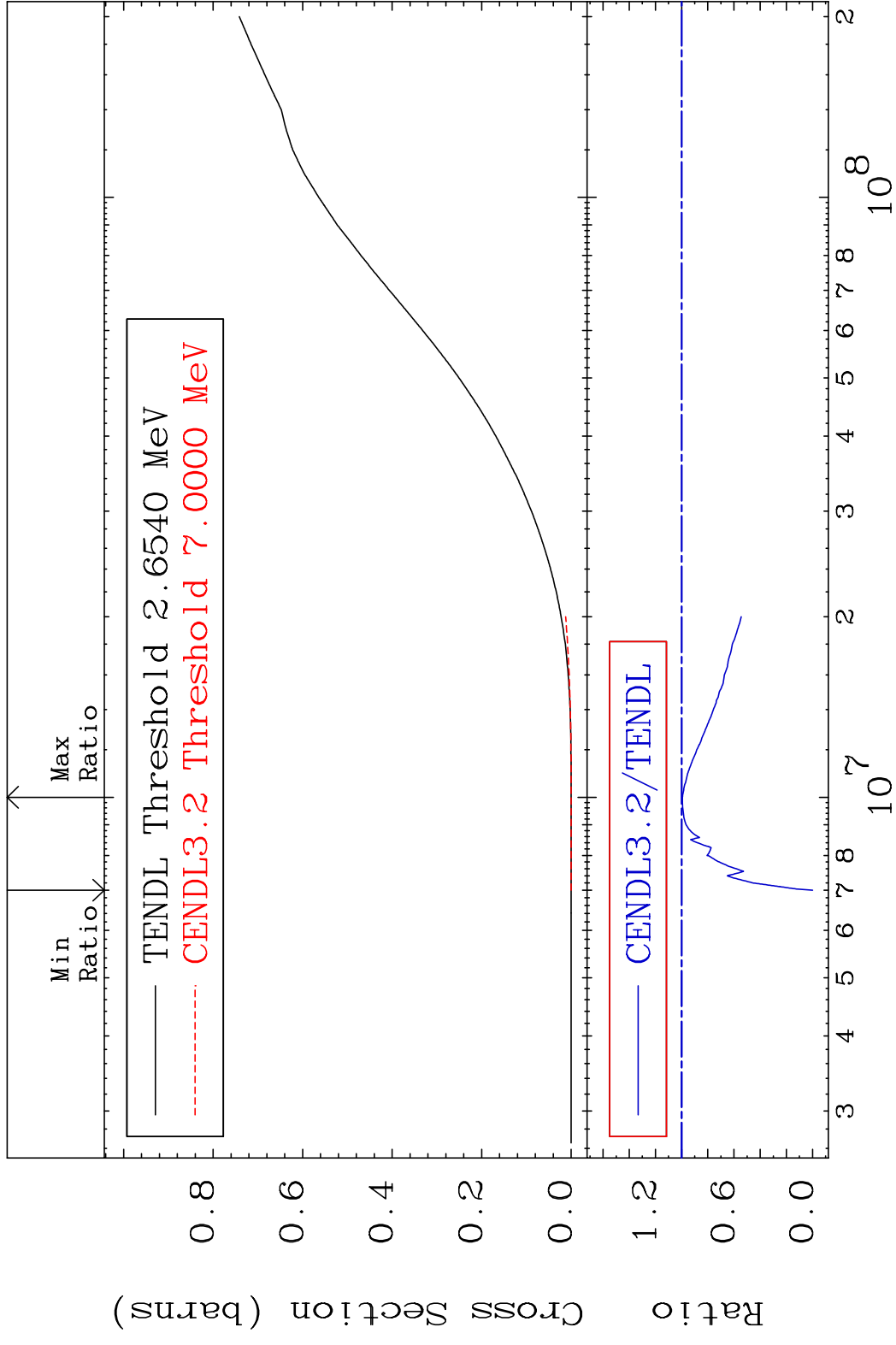
Incident Energy (eV)

64-Gd-158

MAT 6443

Hydrogen Production 64-Gd-158

Cross Section -100.0 To -0.560%



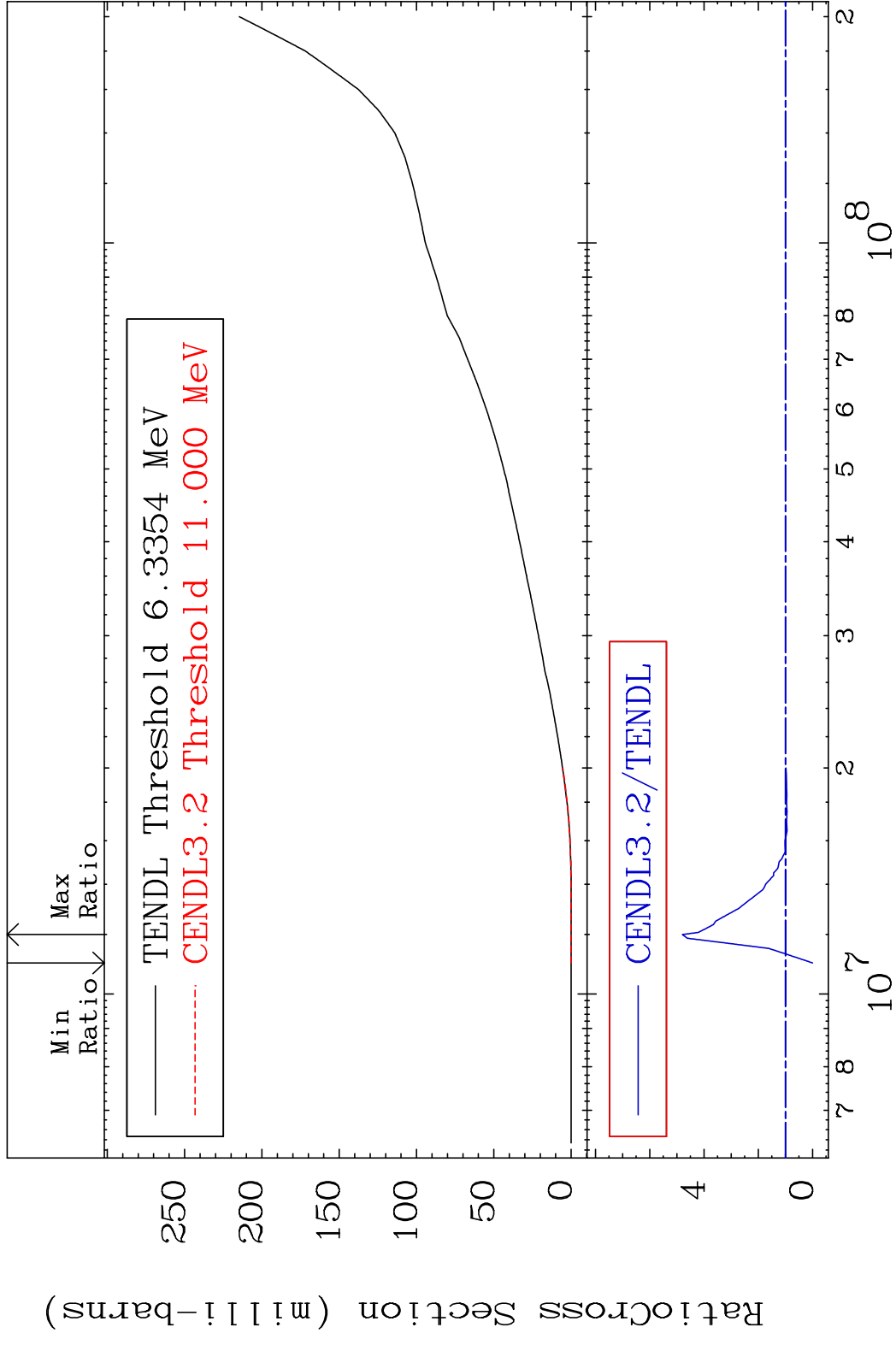
33

Incident Energy (eV)

64-Gd-158

MAT 6443

Deuterium Production 64-Gd-158
Cross Section -100.0 To 379.7 %



34

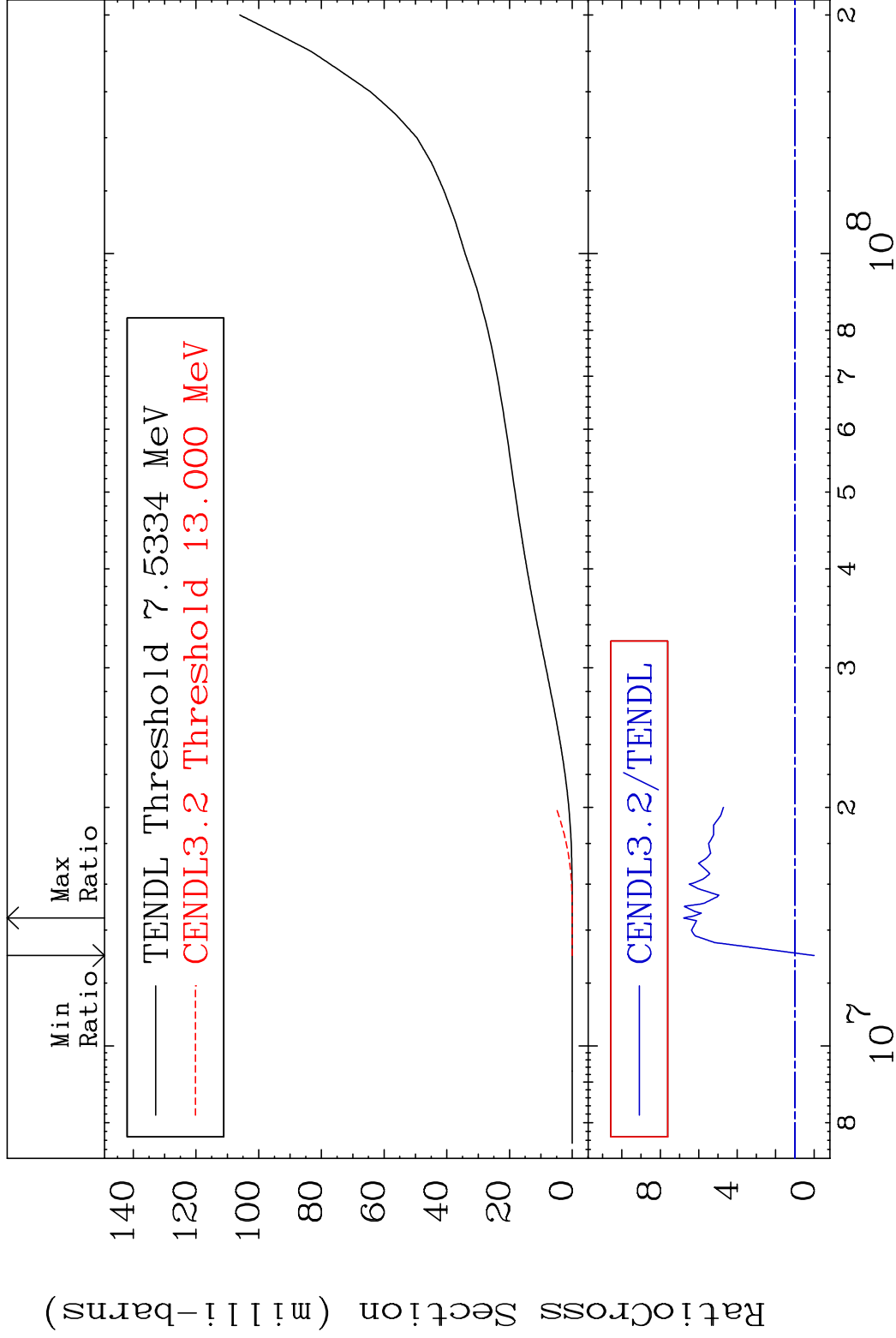
Incident Energy (eV) 64-Gd-158

MAT 6443

Tritium Production

64-Gd-158

Cross Section -100.0 To 578.4 %



35

Incident Energy (eV)

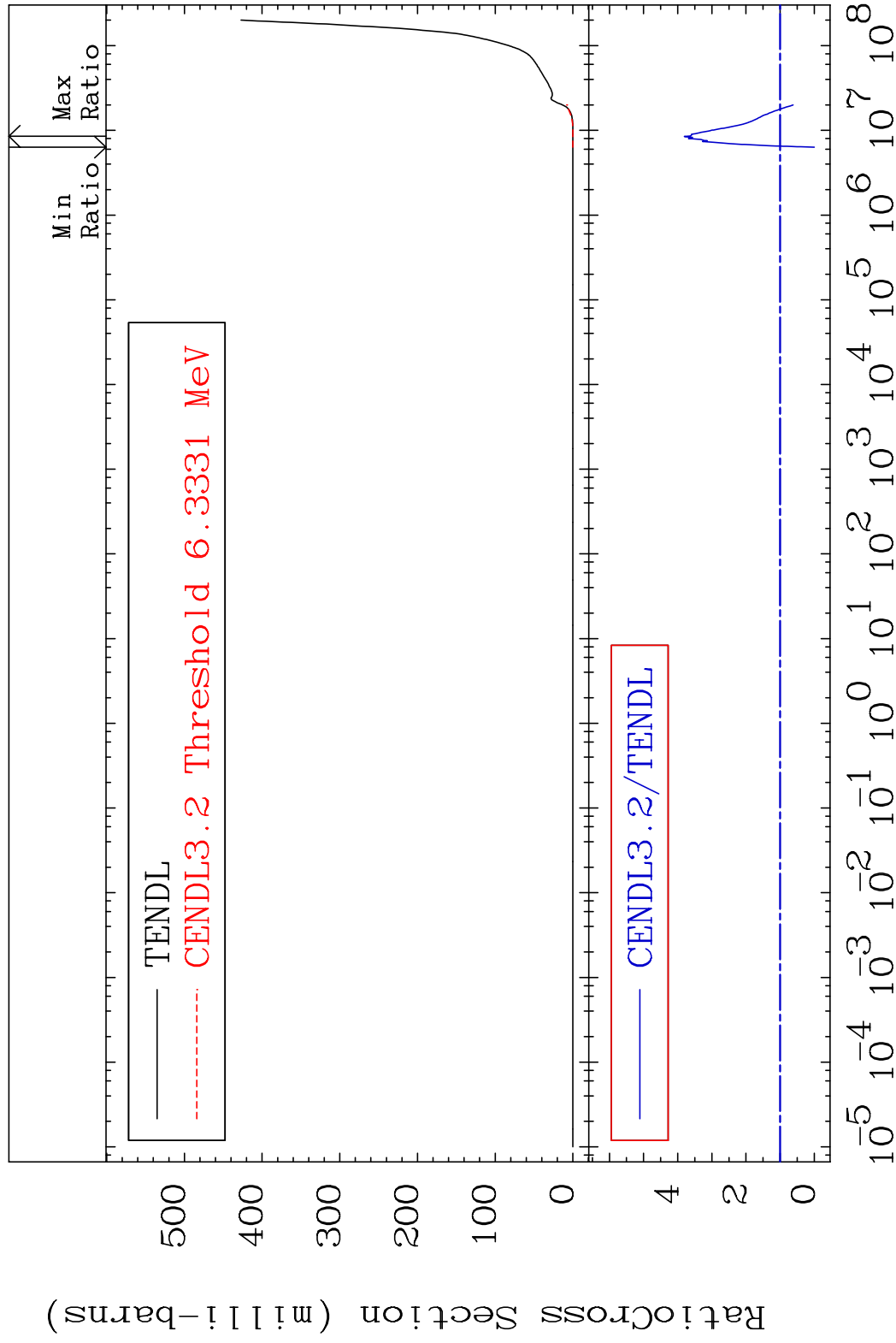
64-Gd-158

MAT 6443

He-4 Production

64-Gd-158

Cross Section -100.0 To 281.4 %

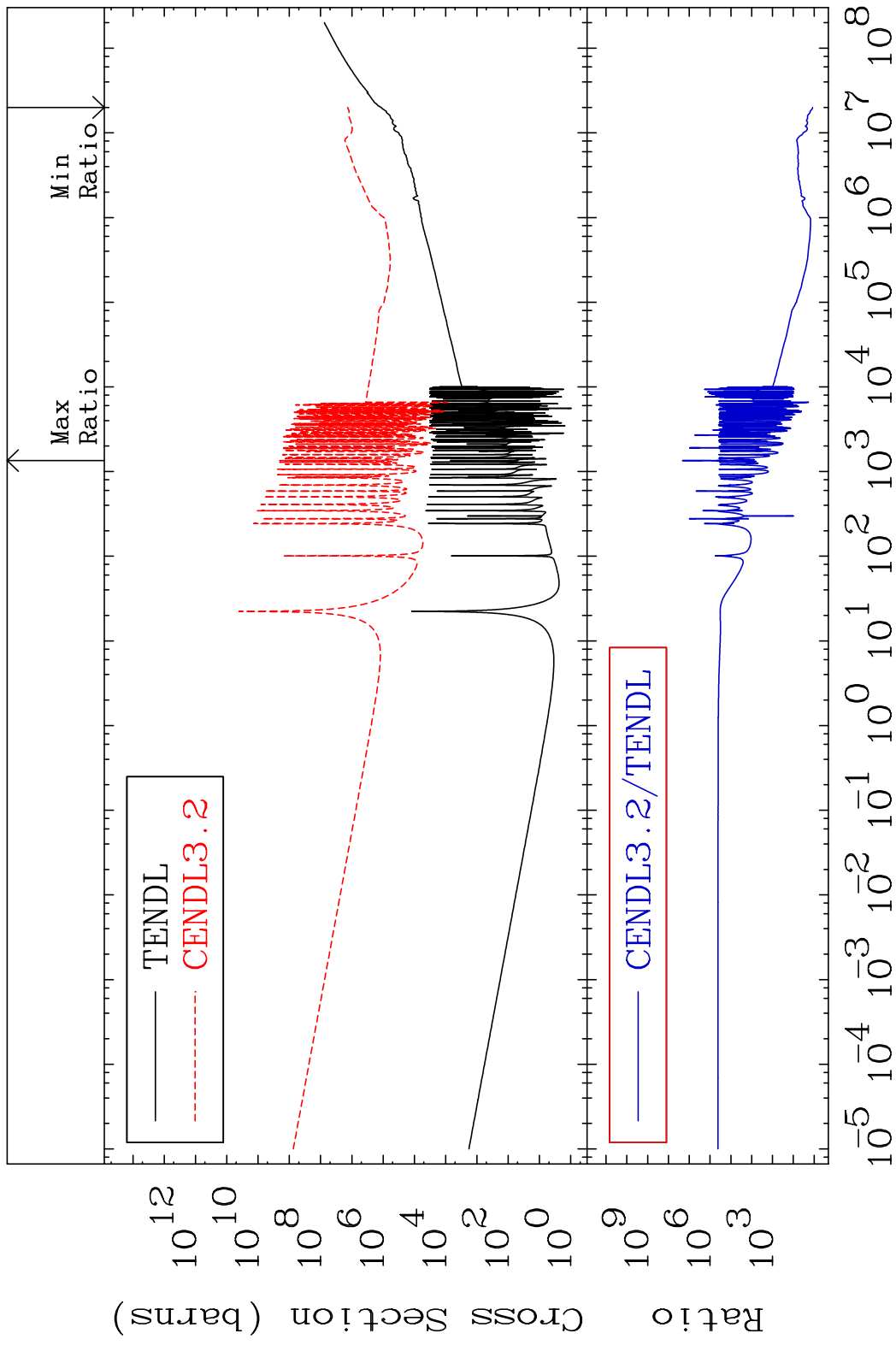


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Incident Energy (eV)

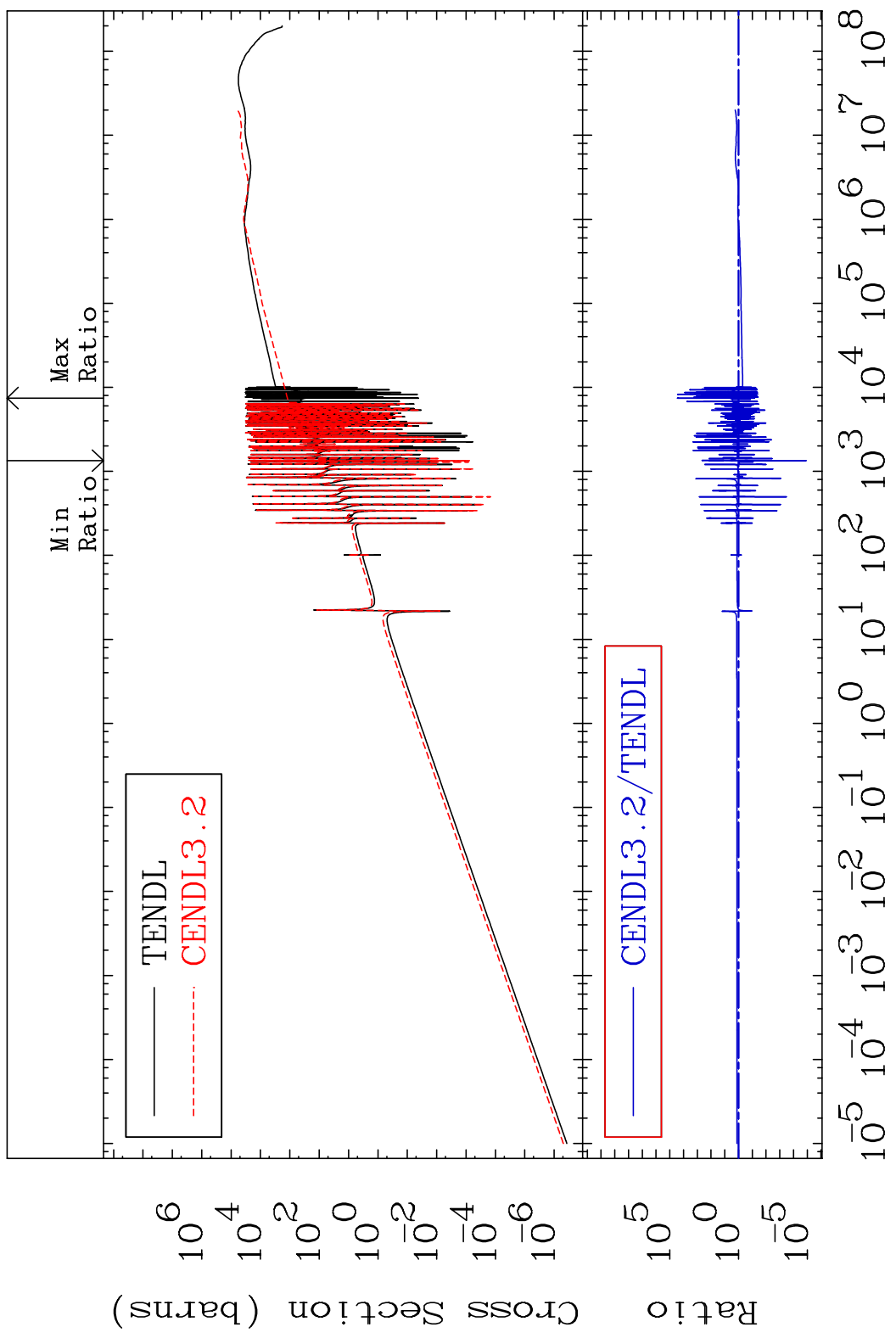
64-Gd-158

MAT 6443 Kerma total (eV-barns) 64-Gd-158
 Cross Section 1092. To 9999. %

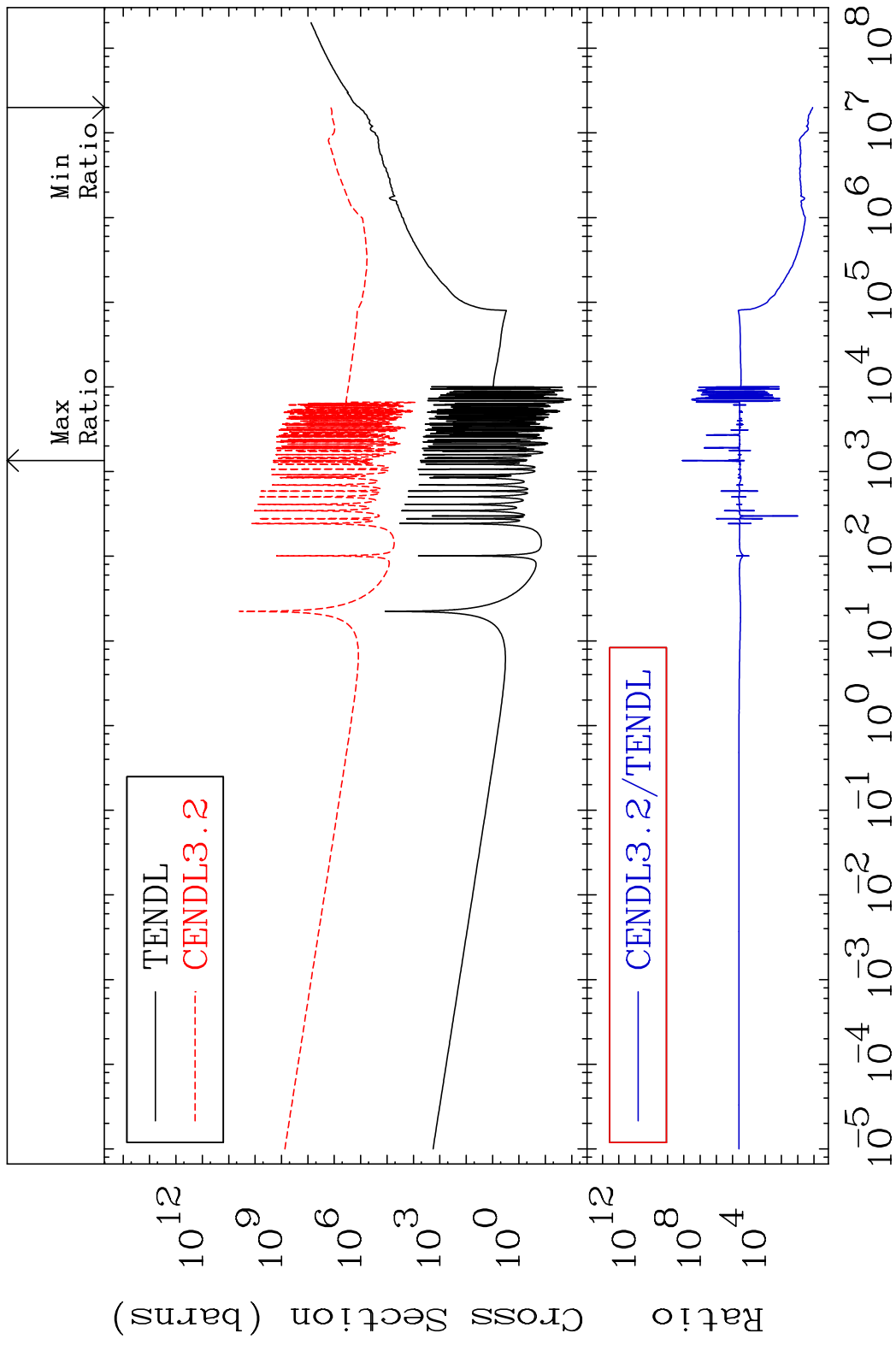


MAT 6443

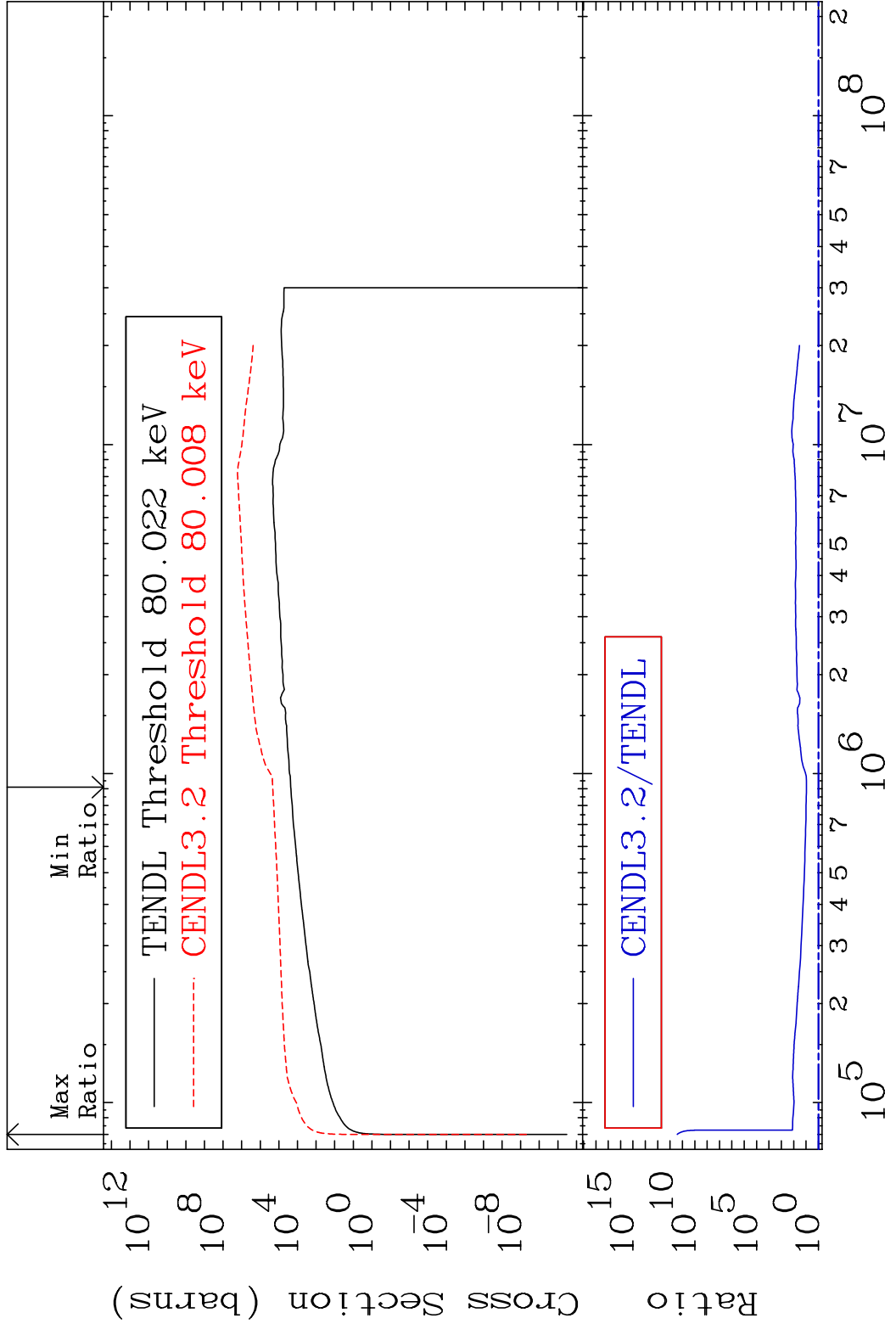
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-158



MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
 Cross Section 1124. To 9999. %

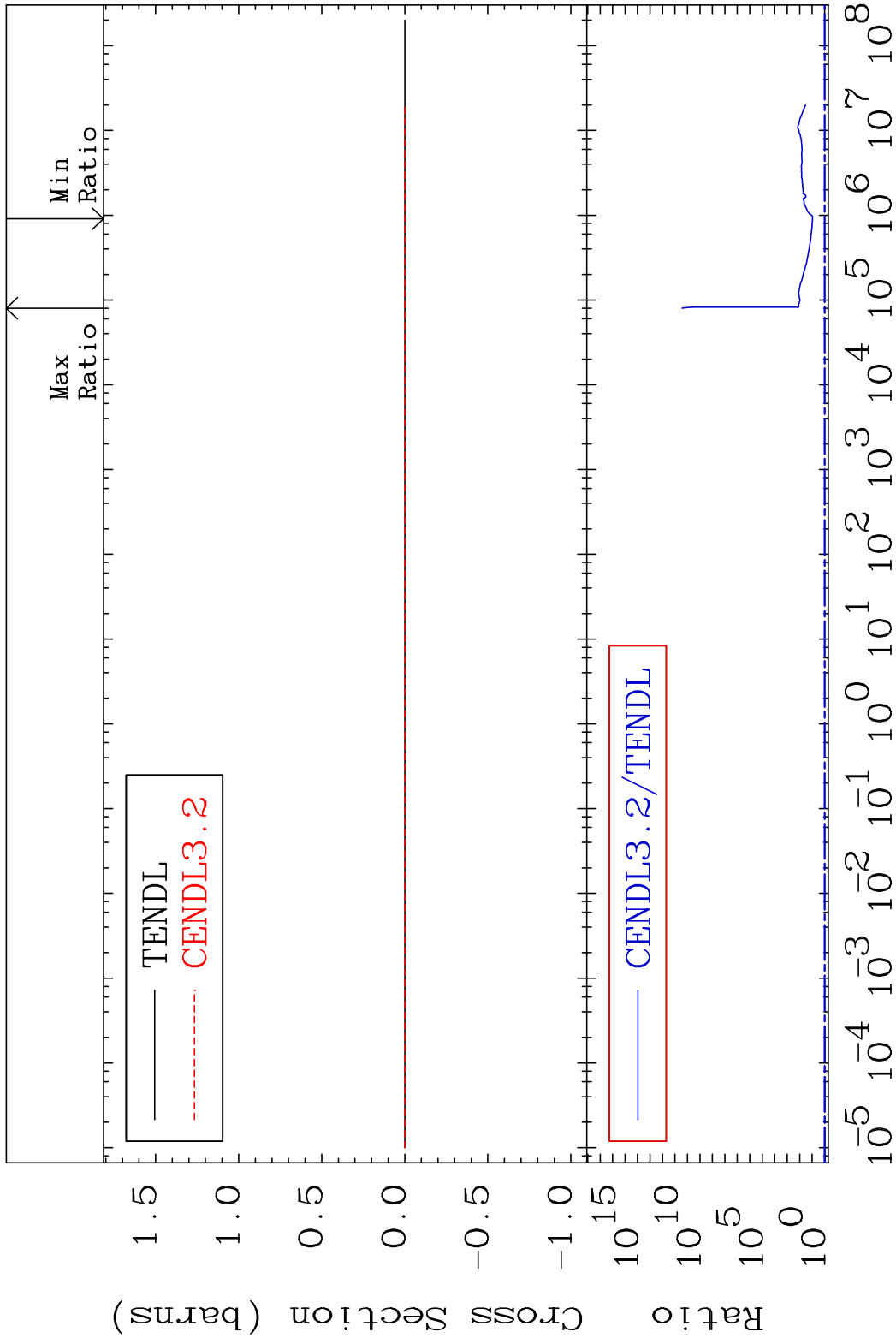


MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
 Cross Section 833.7 To 9999. %



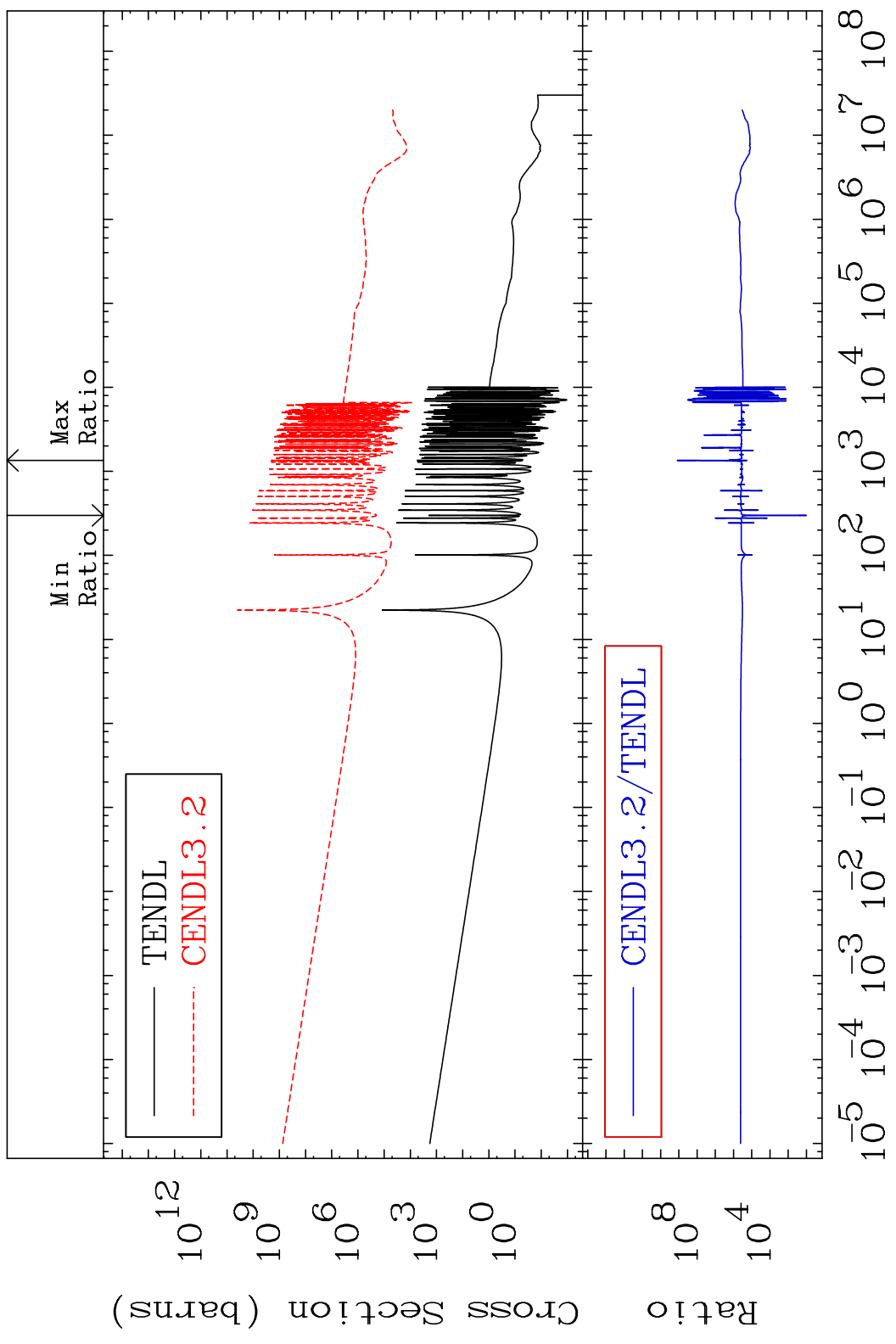
40 Incident Energy (eV) 64-Gd-158

MAT 6443 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-158
 Cross Section 833.7 To 9999. %

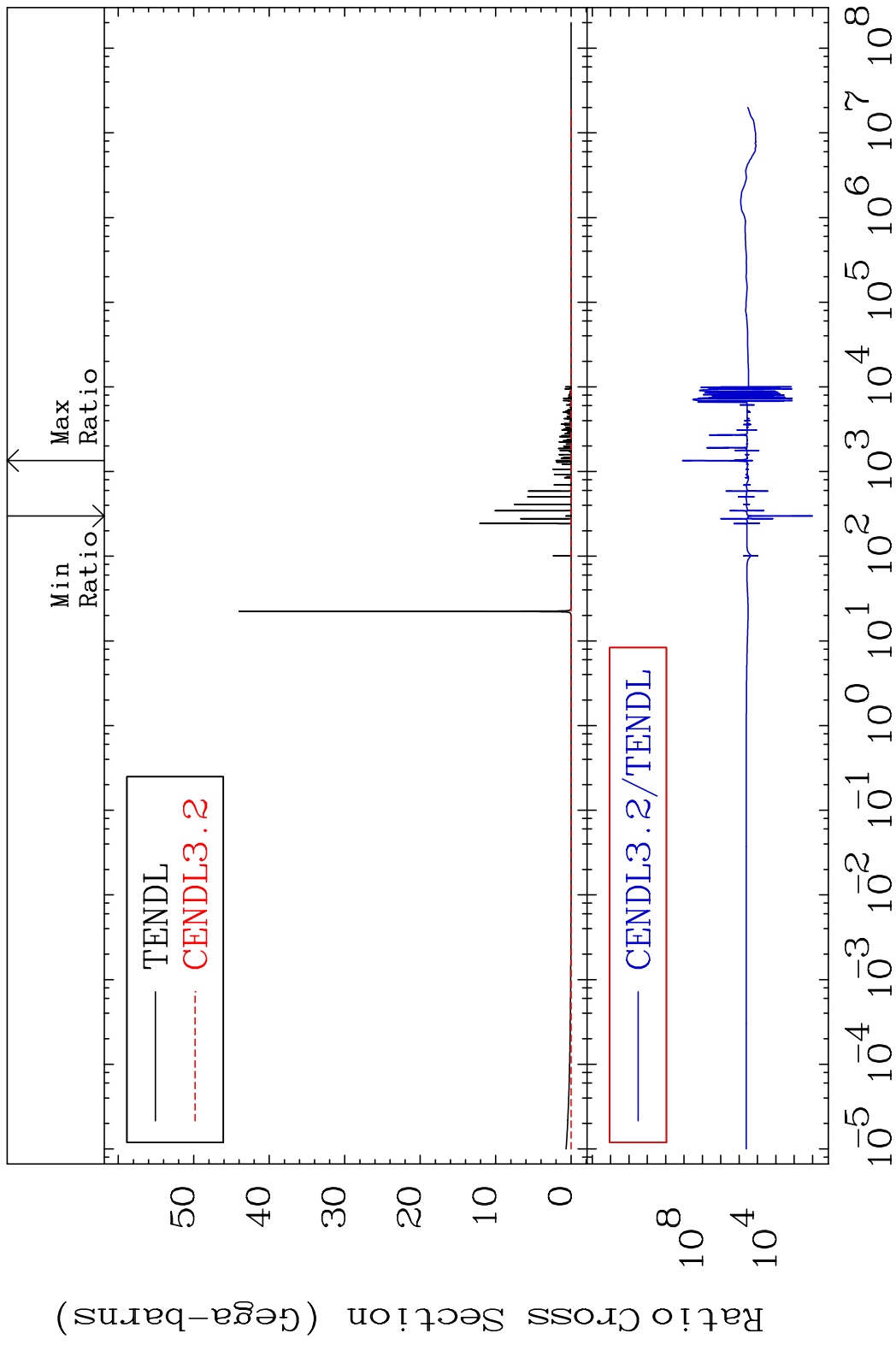


MAT 6443

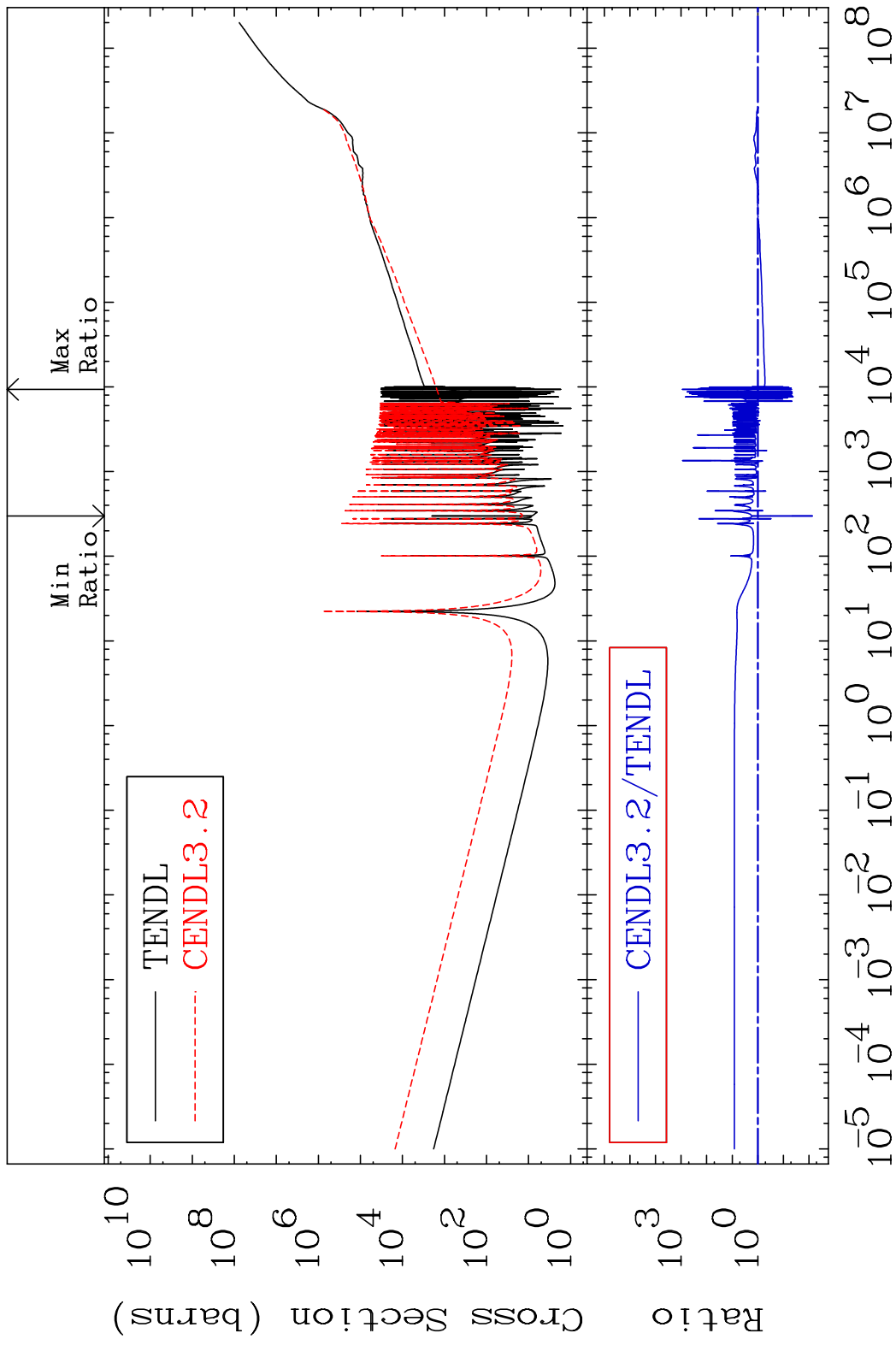
Kerma capture (mt102) 64-Gd-158
Cross Section 9917. To 9999. %



MAT 6443 Total photon (eV-barns) 64-Gd-158
 Cross Section 9917. To 9999. %



MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
 Cross Section -99.28 To 9999. %

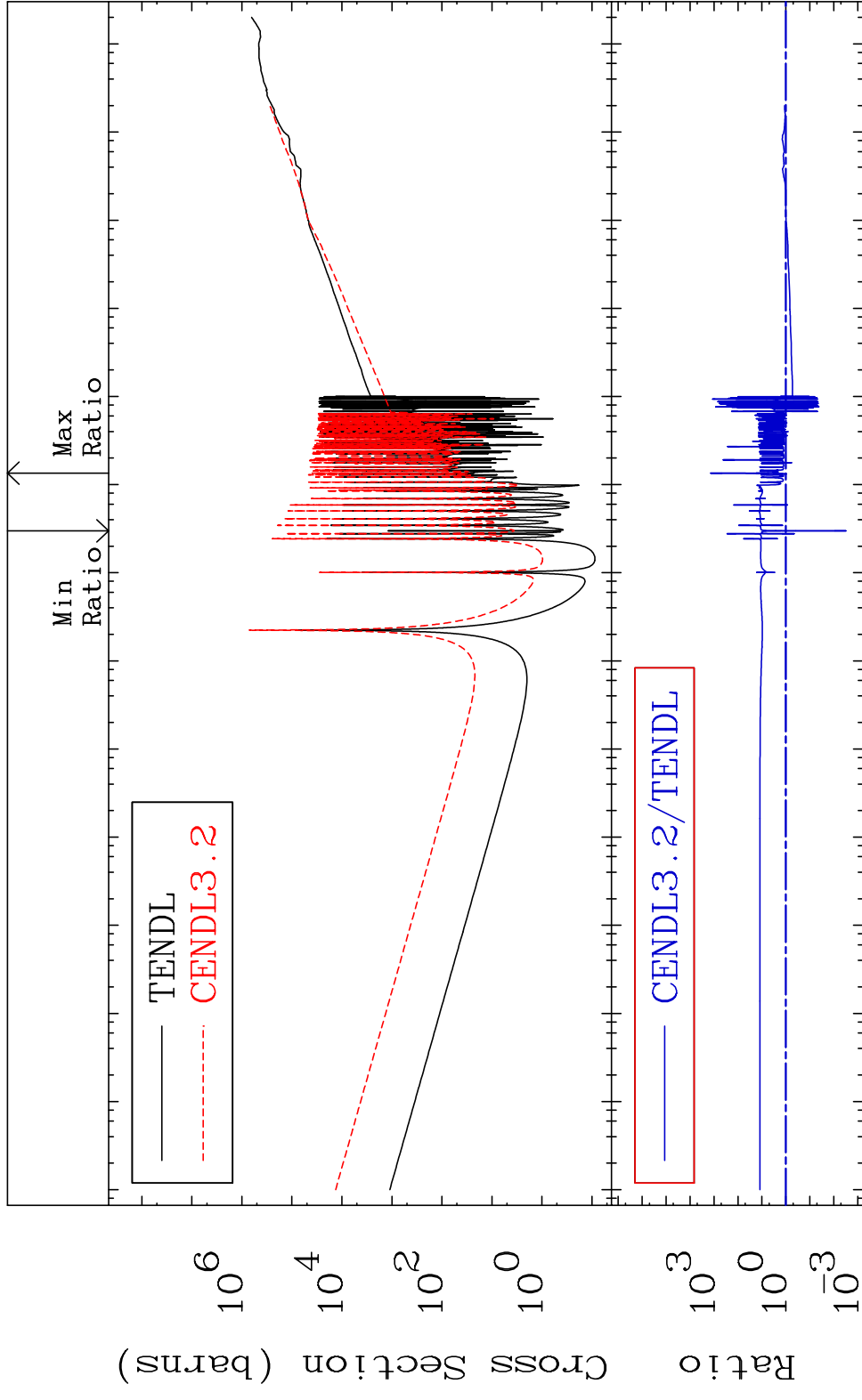


MAT 6443

Dpa total (eV-barns)

64-Gd-158

Cross Section -99.70 To 9999. %



45

Incident Energy (eV)

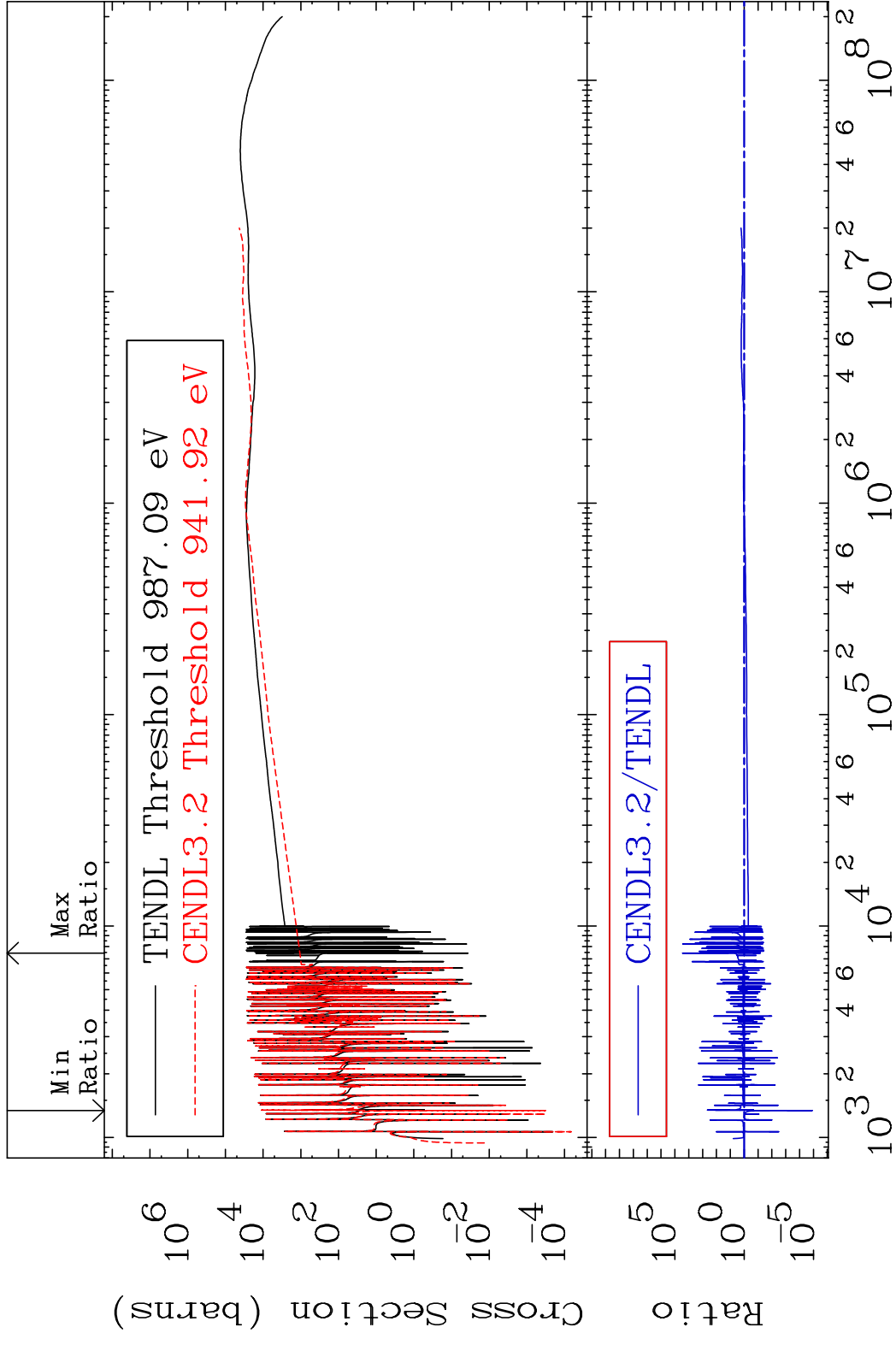
64-Gd-158

MAT 6443

Dpa elastic (mt2)

64-Gd-158

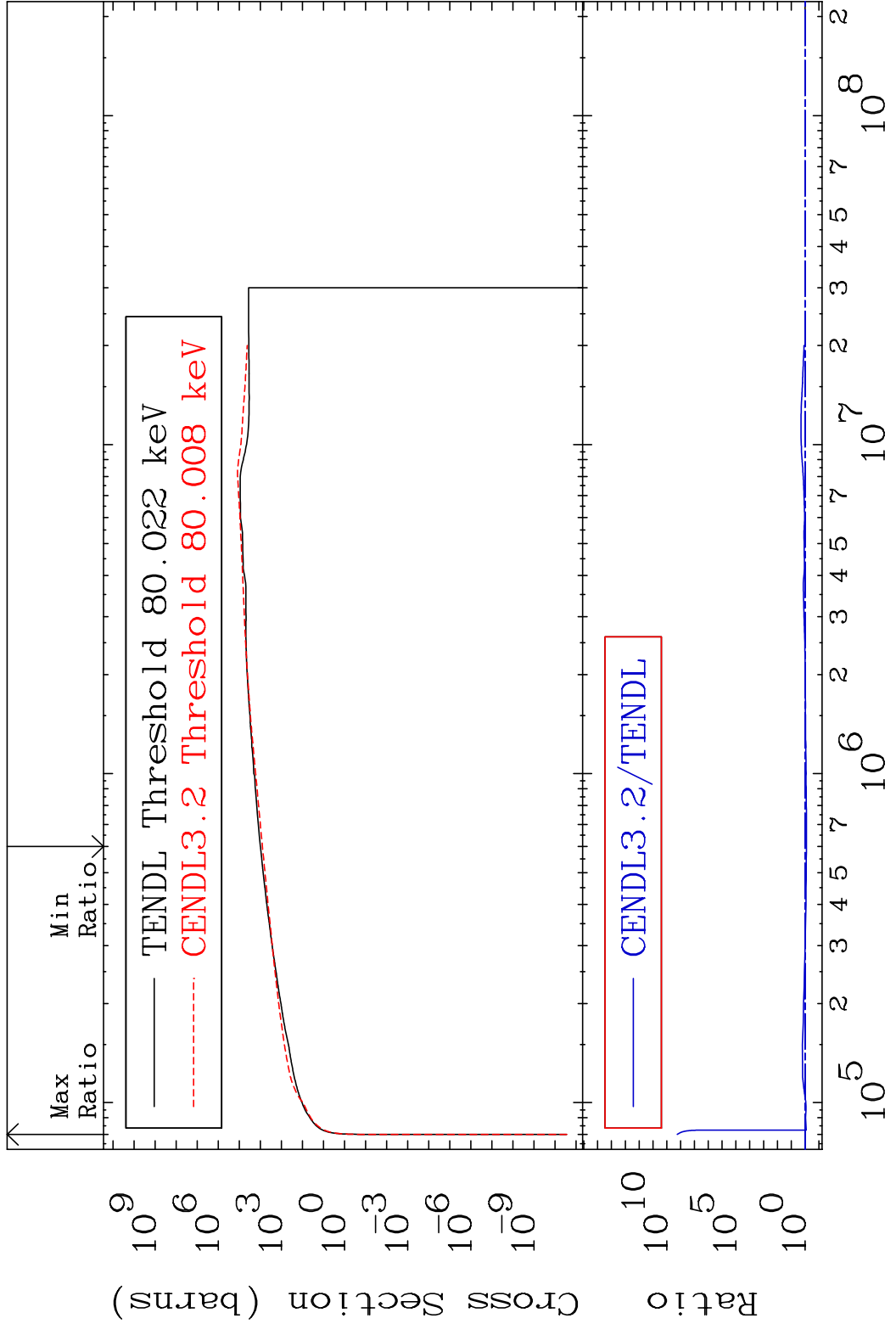
Cross Section -100.0 To 9999. %



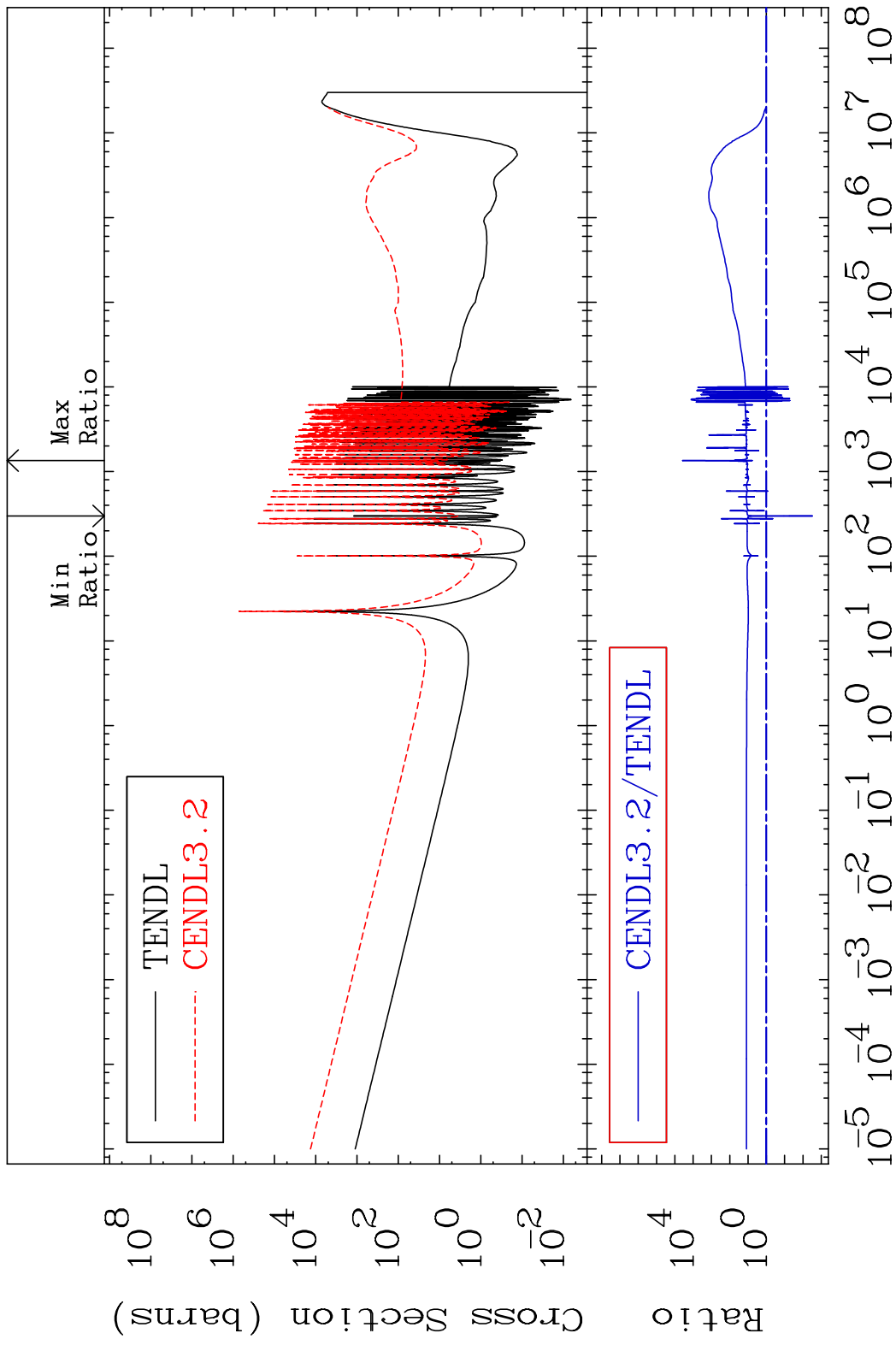
46

Incident Energy (eV)

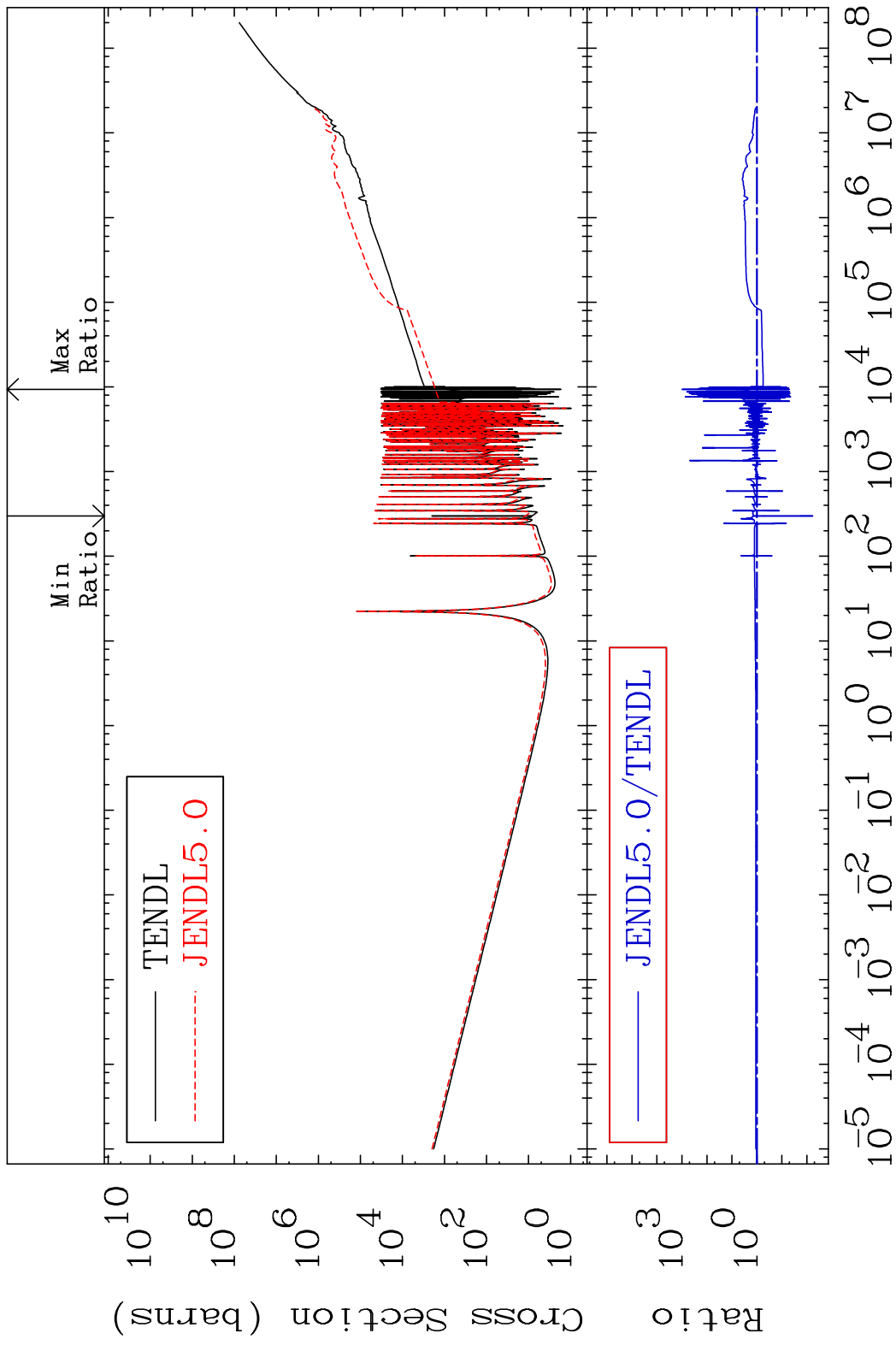
64-Gd-158



MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
 Cross Section -99.70 To 9999. %



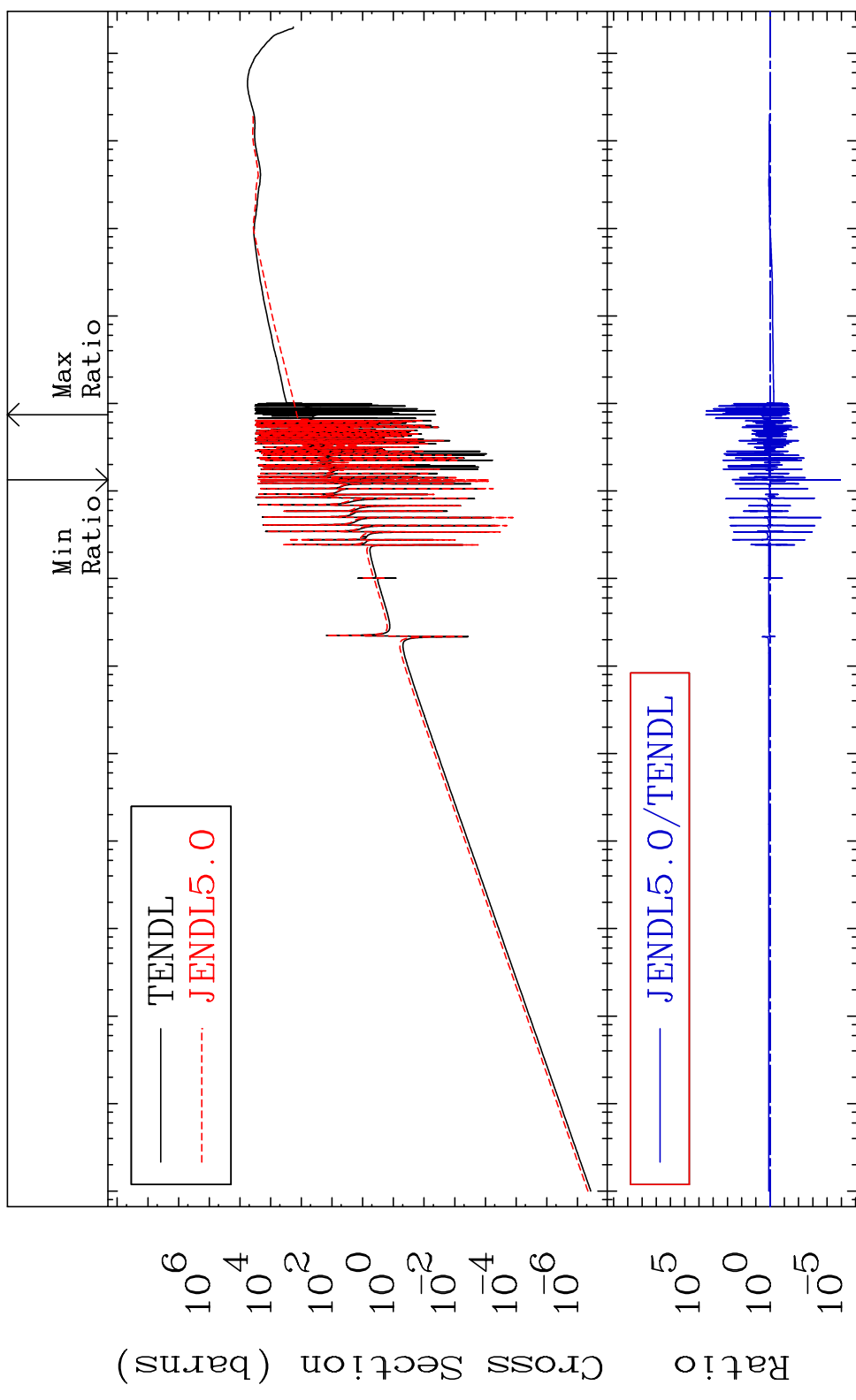
MAT 6443 Kerma total (eV-barns) 64-Gd-158
 Cross Section -99.41 To 9999. %



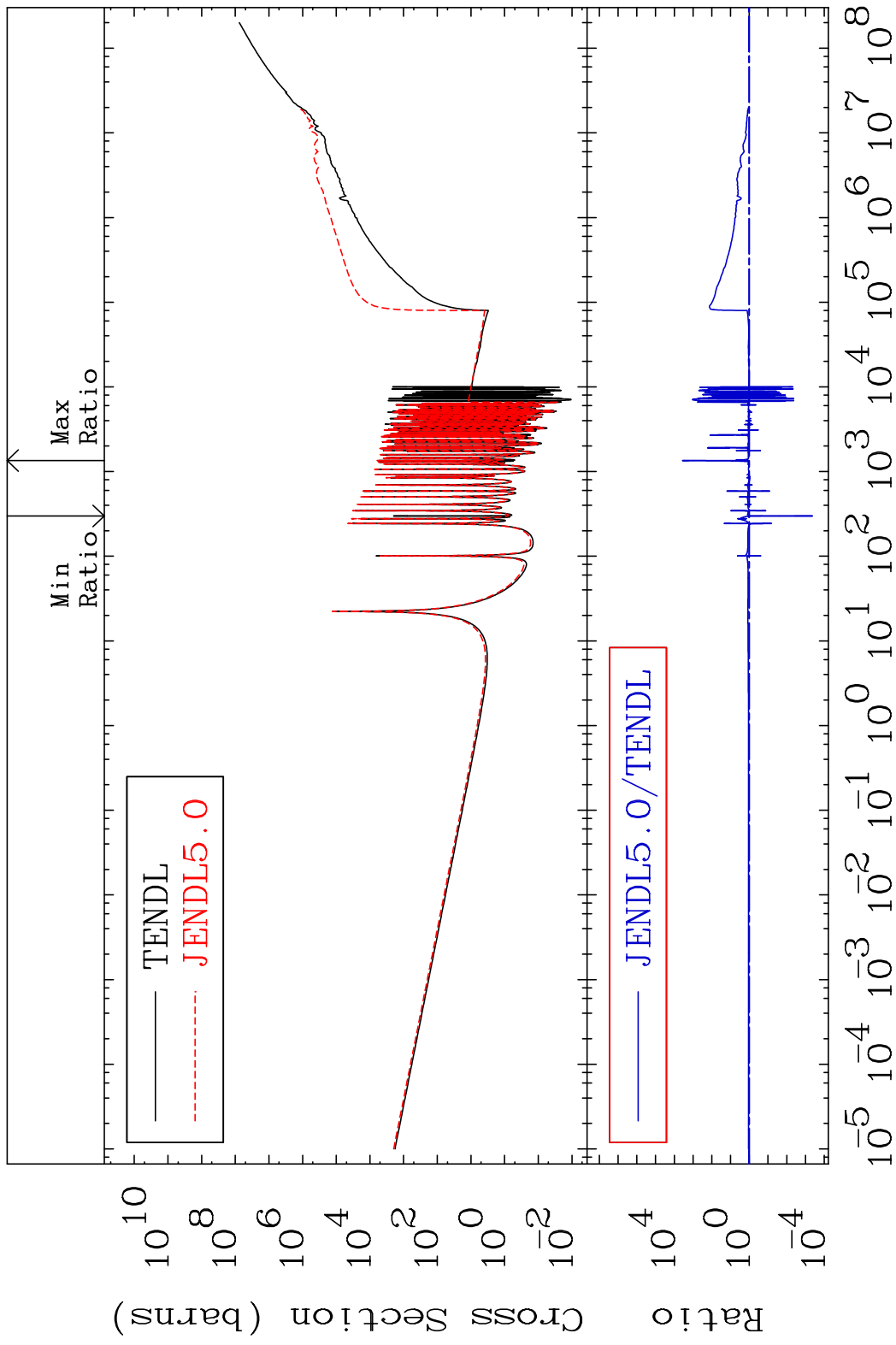
49 Incident Energy (eV) 64-Gd-158

MAT 6443

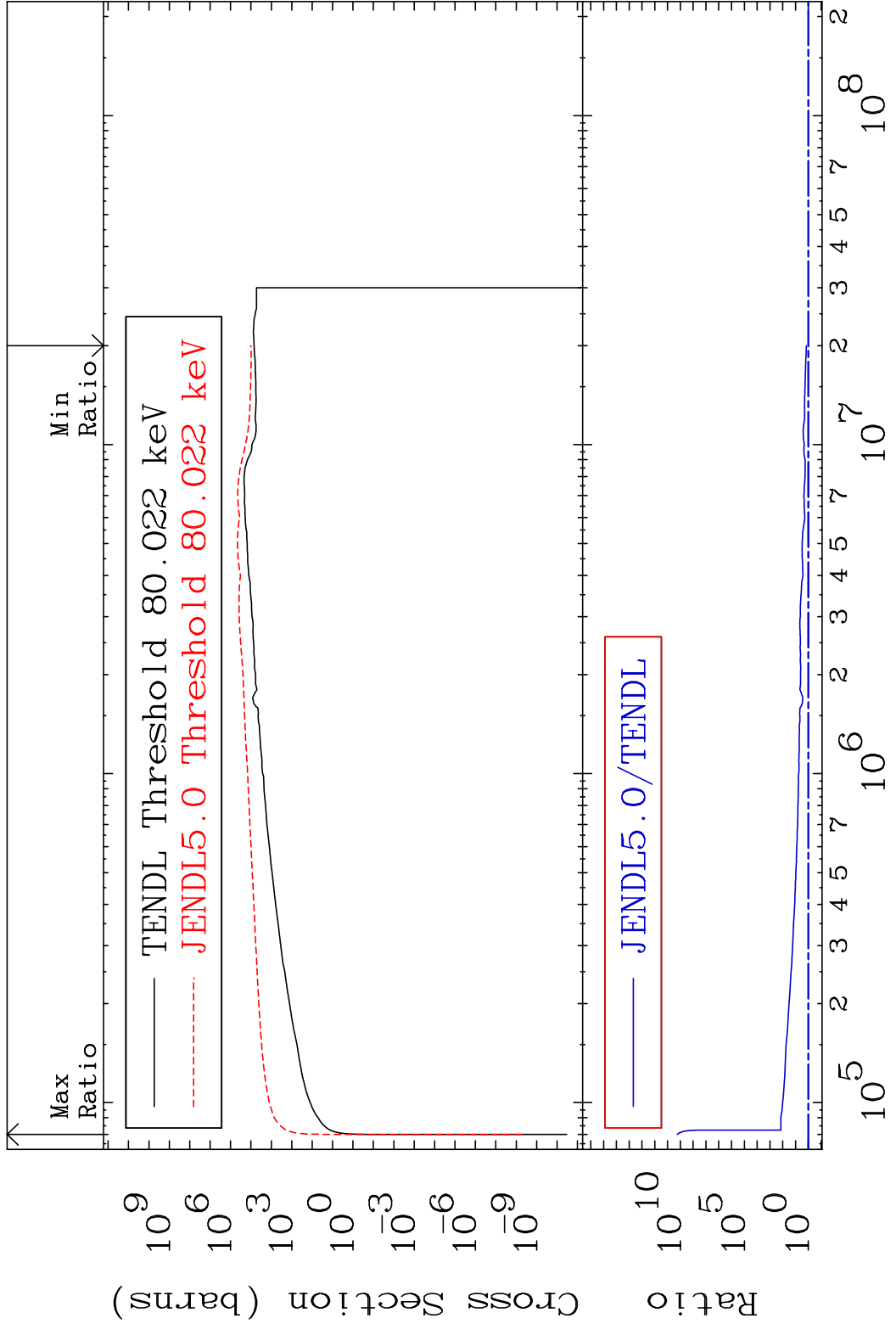
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-158



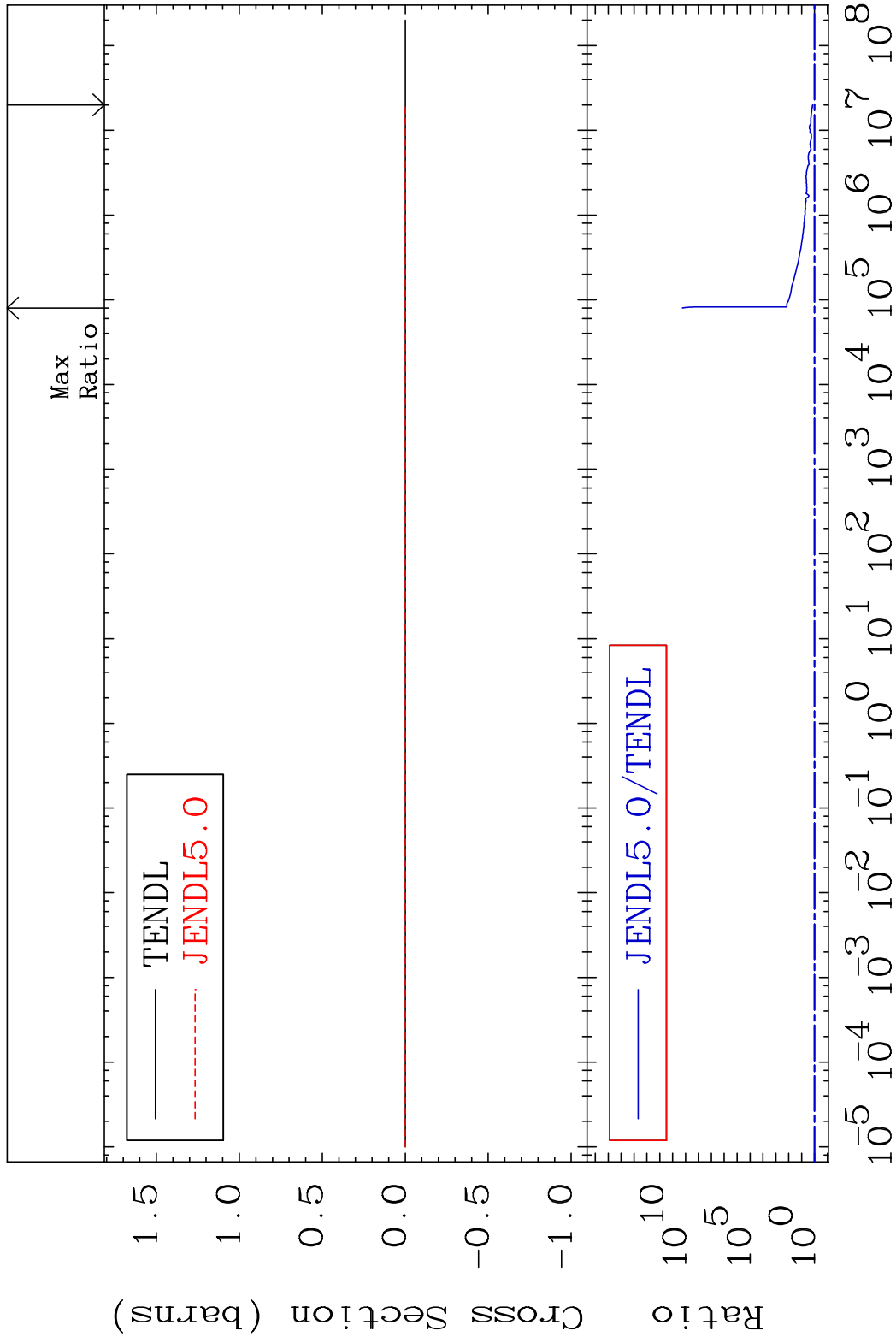
MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
 Cross Section -99.96 To 9999. %



MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
 Cross Section 40.79 To 9999. %

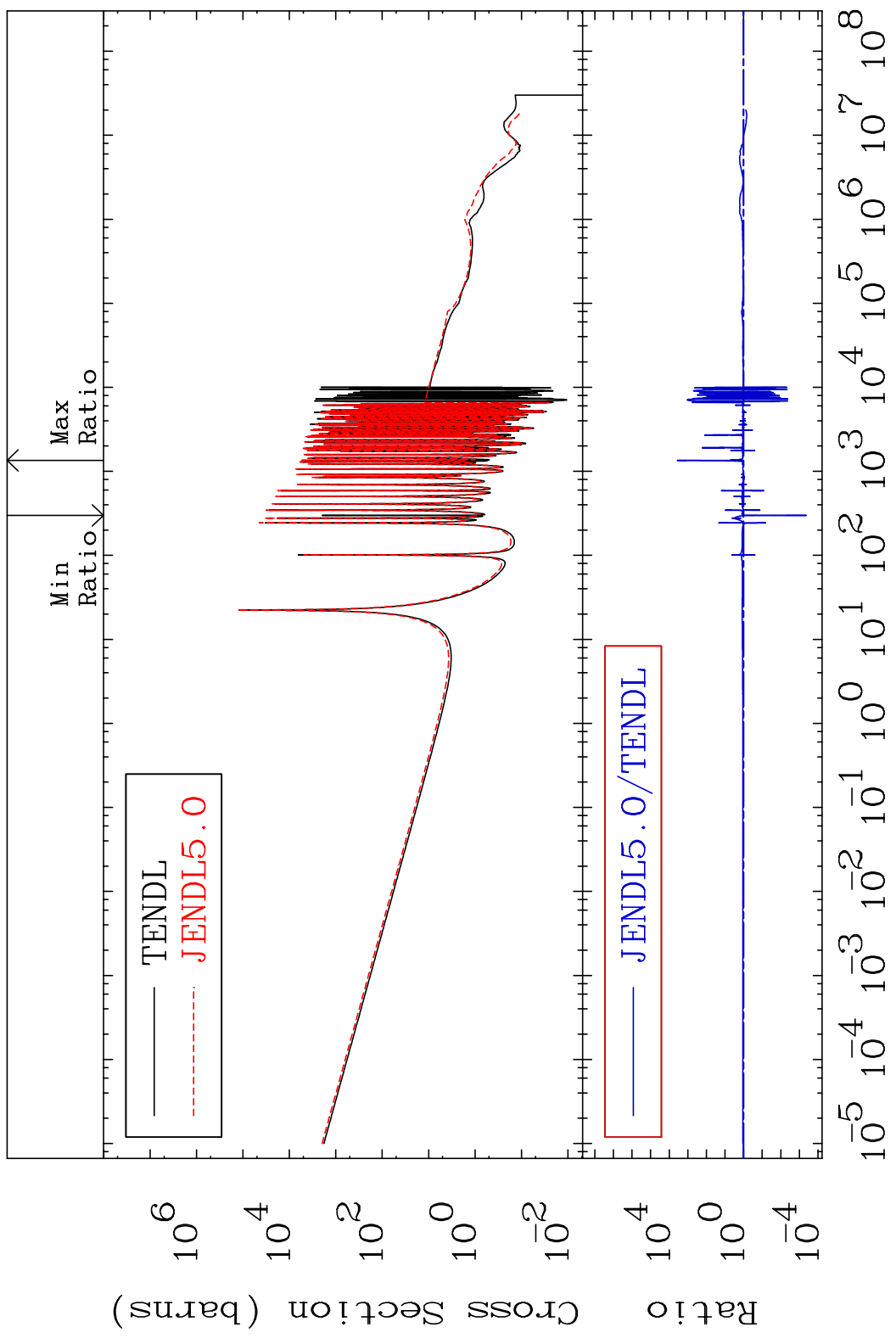


MAT 6443 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-158
 Cross Section 40.79 To 9999. %

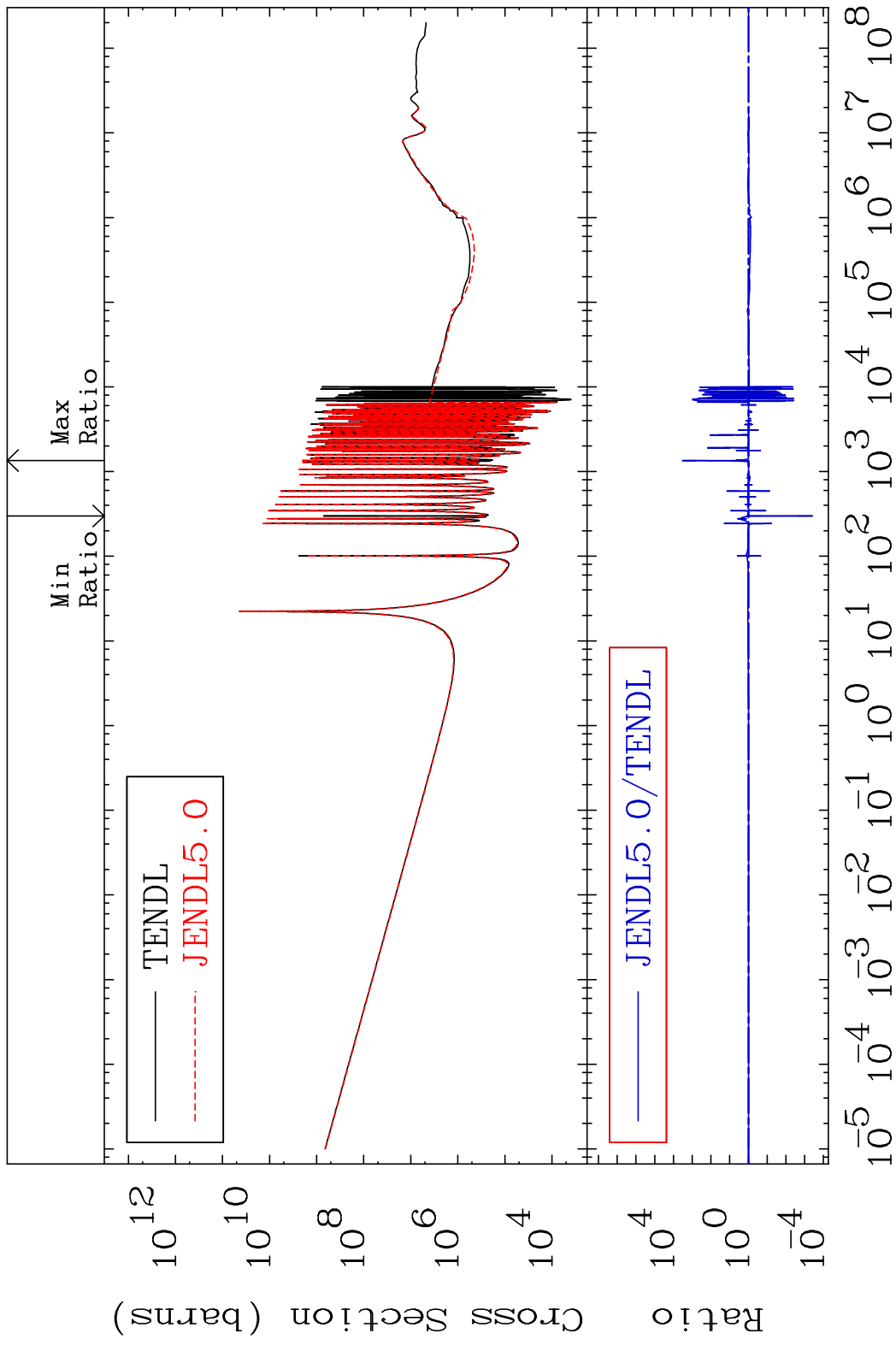


MAT 6443

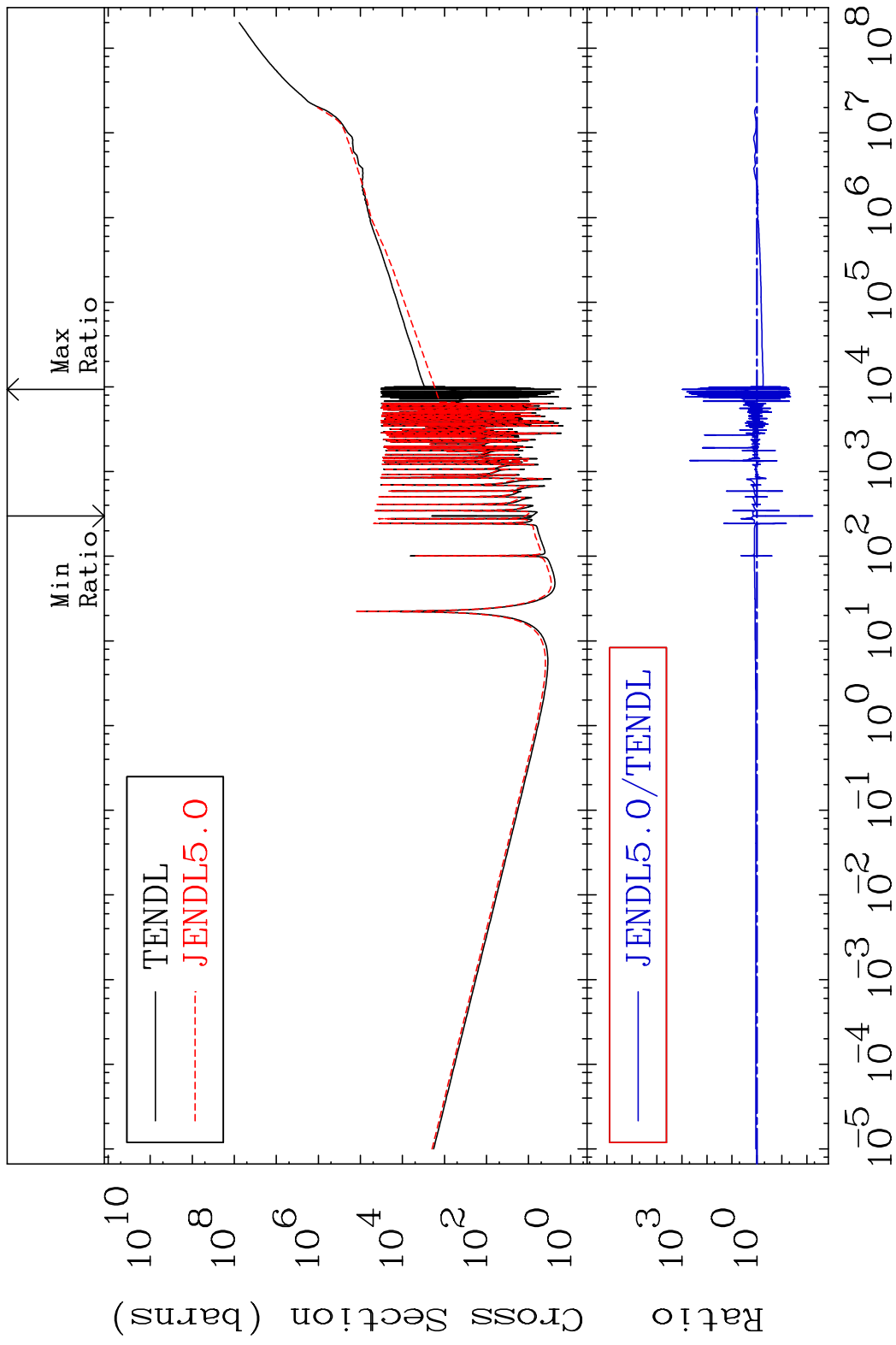
Kerma capture (mt102) 64-Gd-158
Cross Section -99.96 To 9999. %



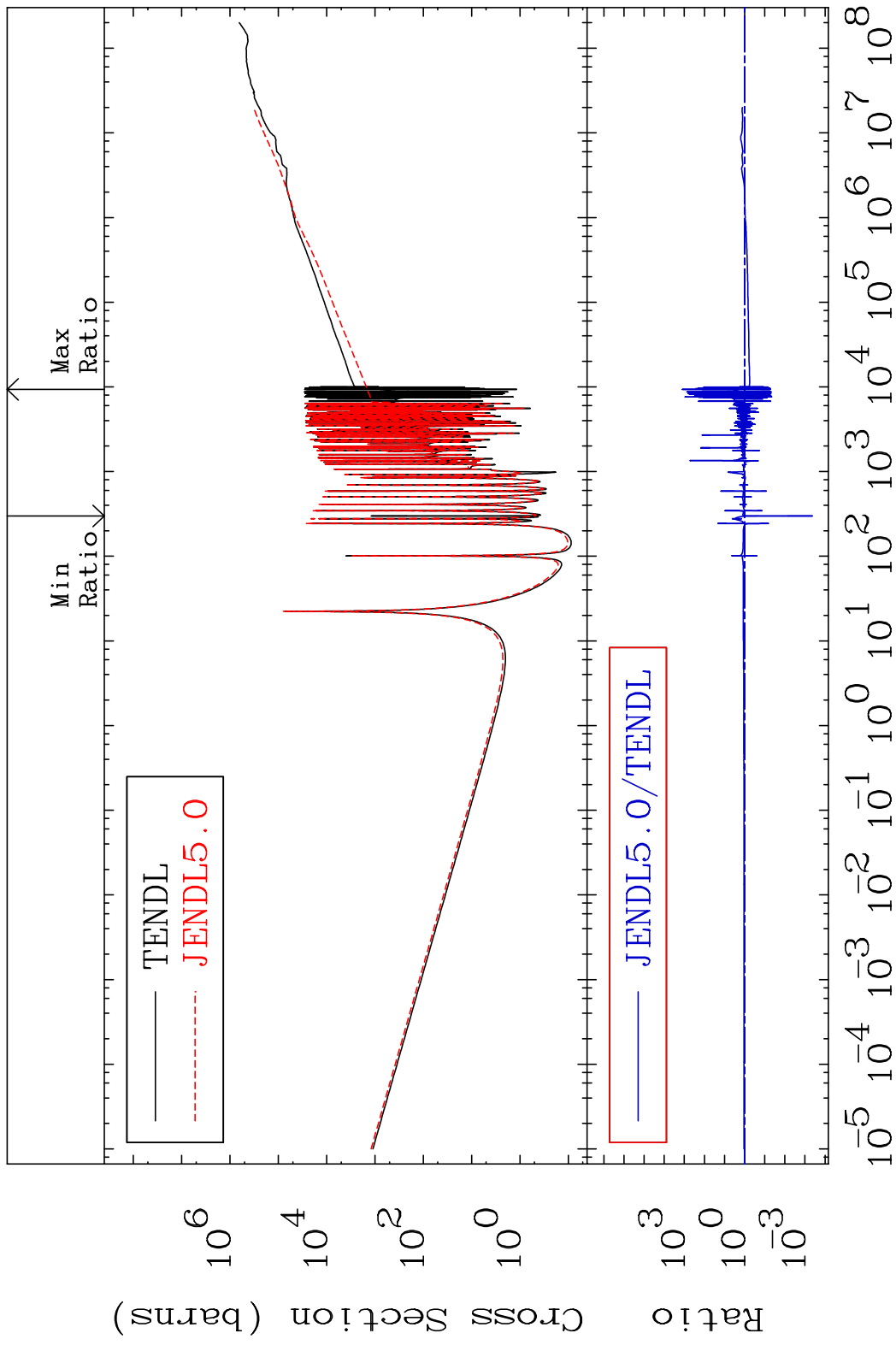
MAT 6443 Total photon (eV-barns) 64-Gd-158
 Cross Section -99.96 To 9999. %



MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
 Cross Section -99.41 To 9999. %



MAT 6443 Dpa total (eV-barns) 64-Gd-158
 Cross Section -99.96 To 9999. %

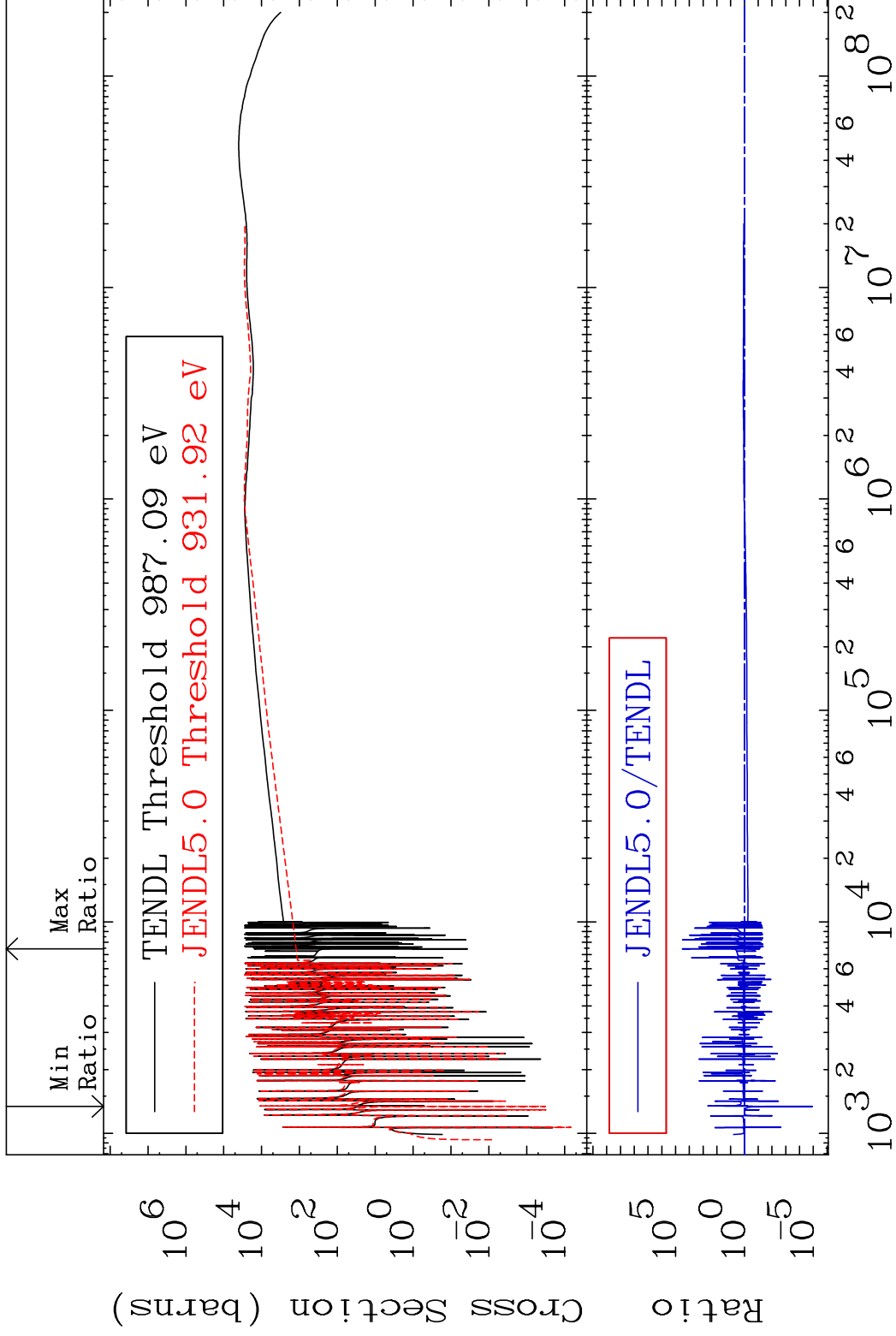


MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -100.0 To 9999. %

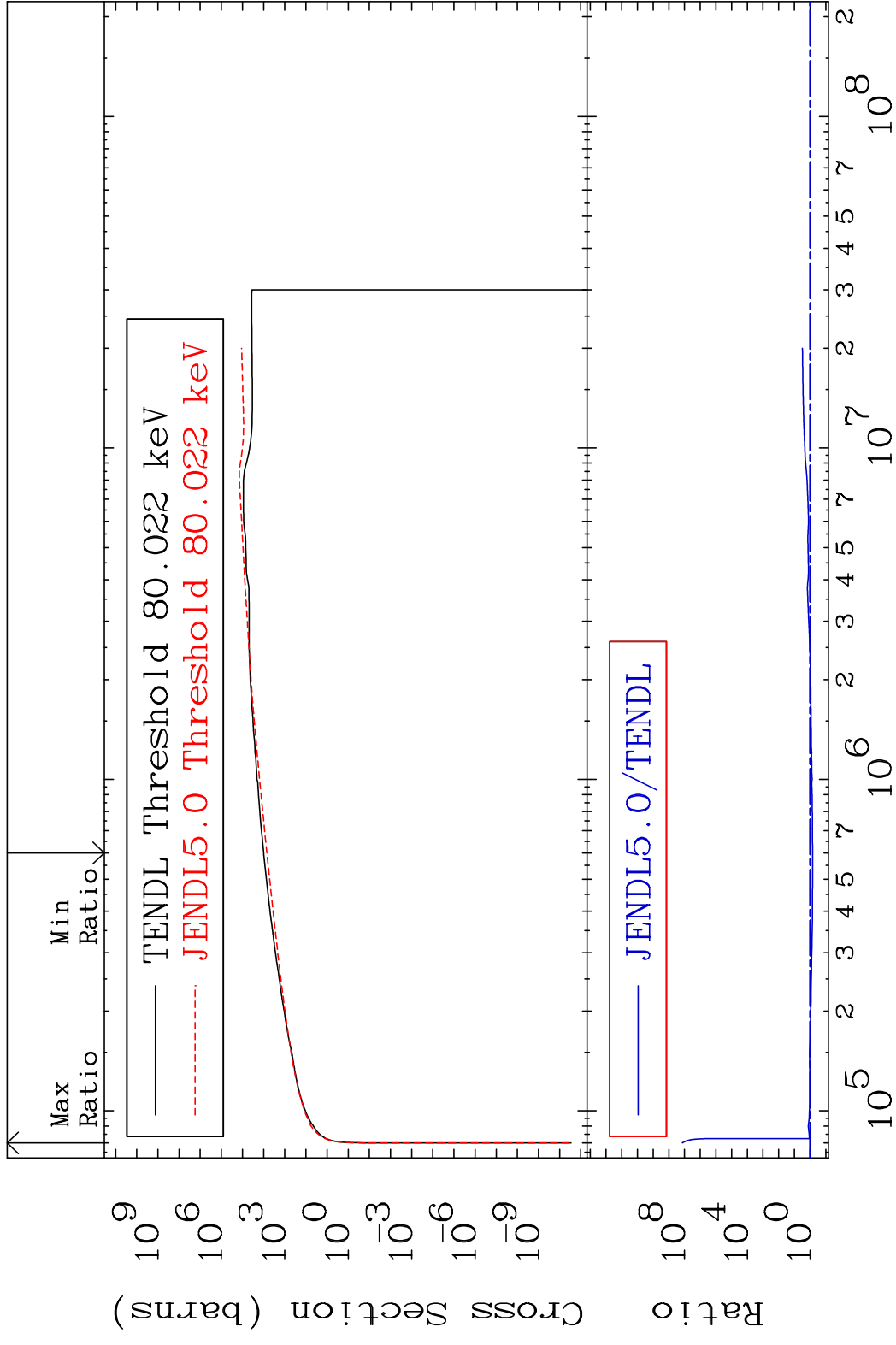


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Incident Energy (eV)

64-Gd-158

MAT 6443 Dpa inelastic (mt51-91) 64-Gd-158
 Cross Section -30.34 To 9999. %



MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
Cross Section -99.96 To 9999. %

