

Program Complot
(Version 2021-1)

by

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U.S.A.

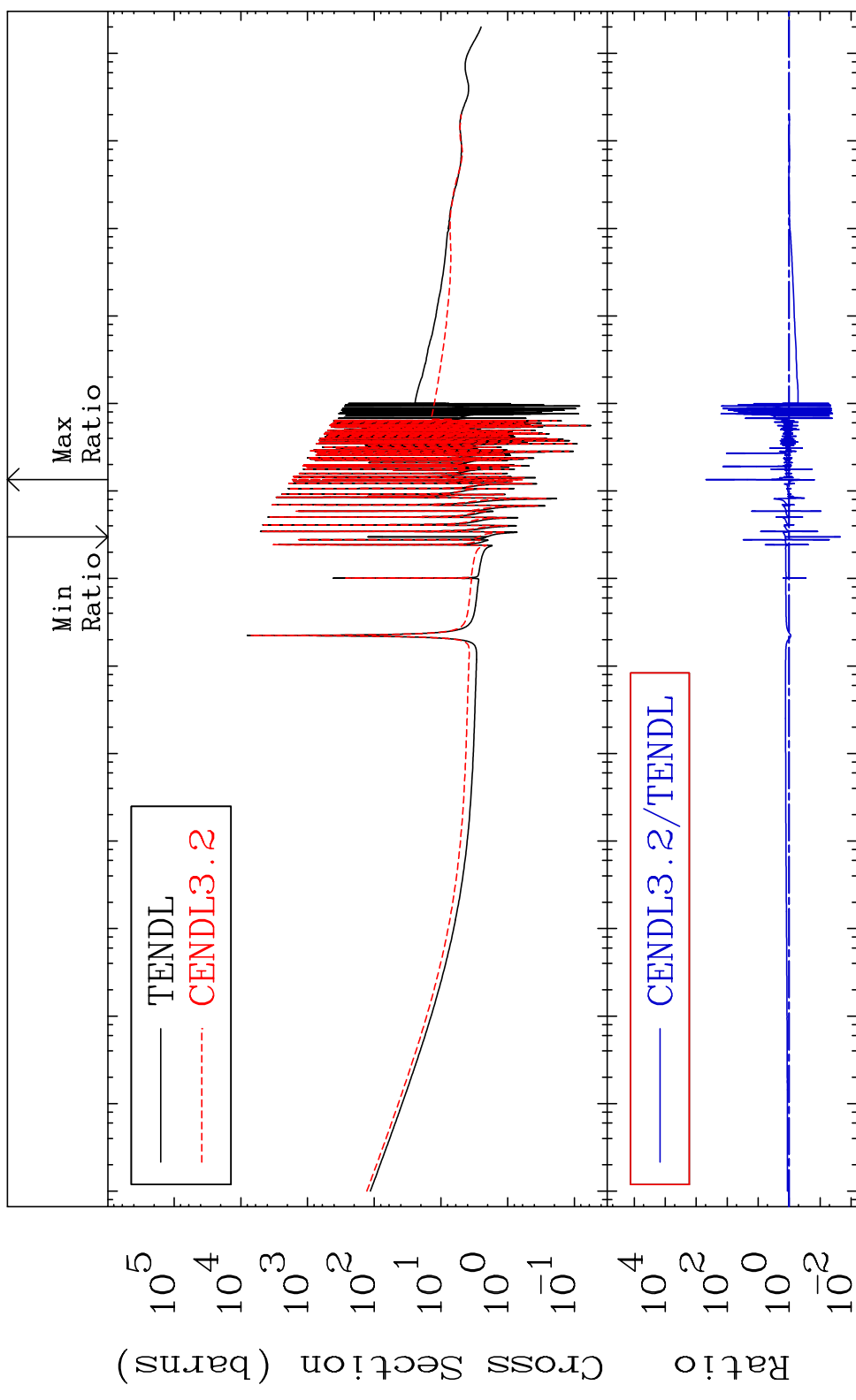
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6443

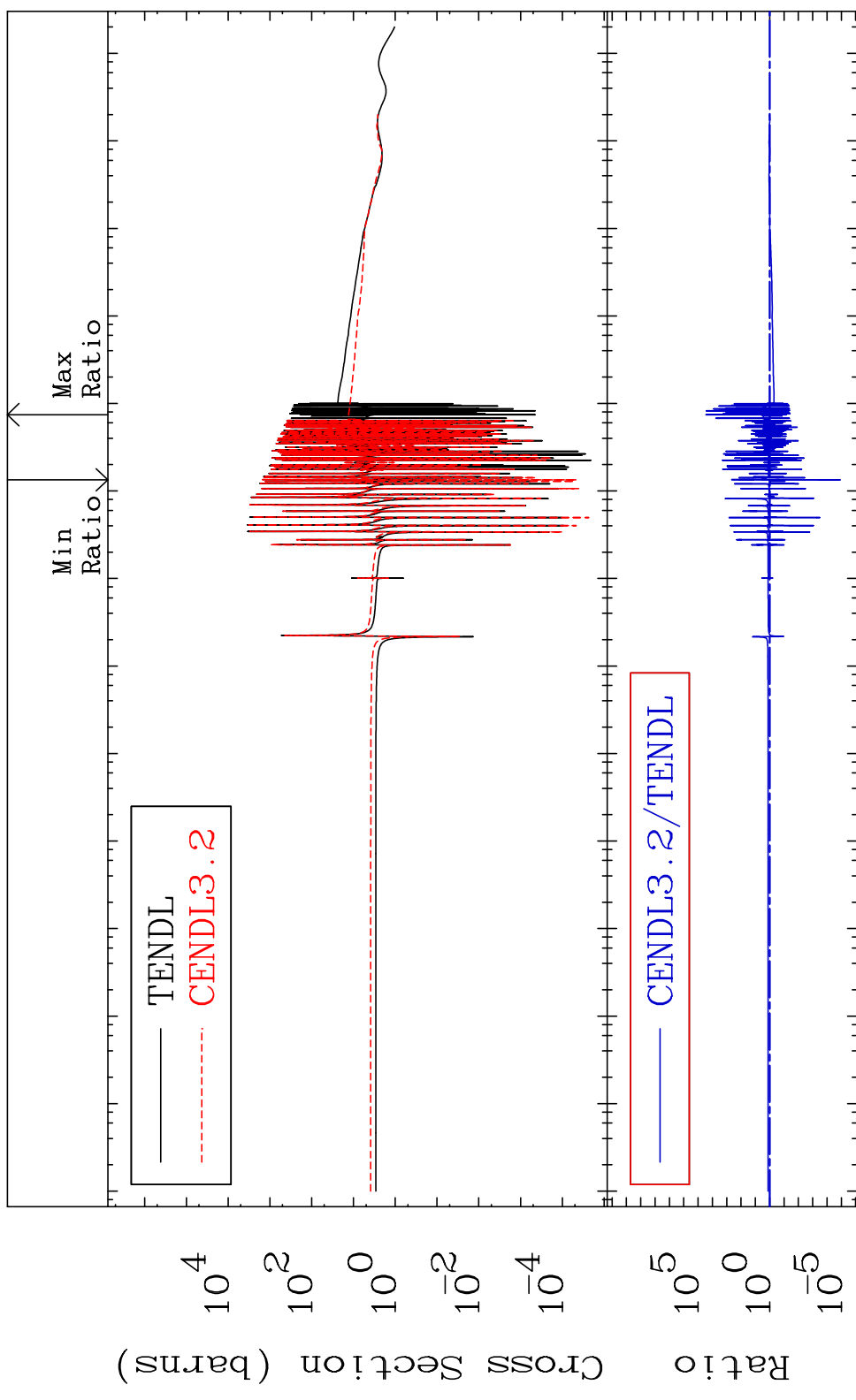
Total Cross Section -97.80 To 9999. %
64-Gd-158



1 Incident Energy (eV) 64-Gd-158

MAT 6443

Elastic Cross Section -100.0 To 9999. %
64-Gd-158



2

Incident Energy (eV)

64-Gd-158

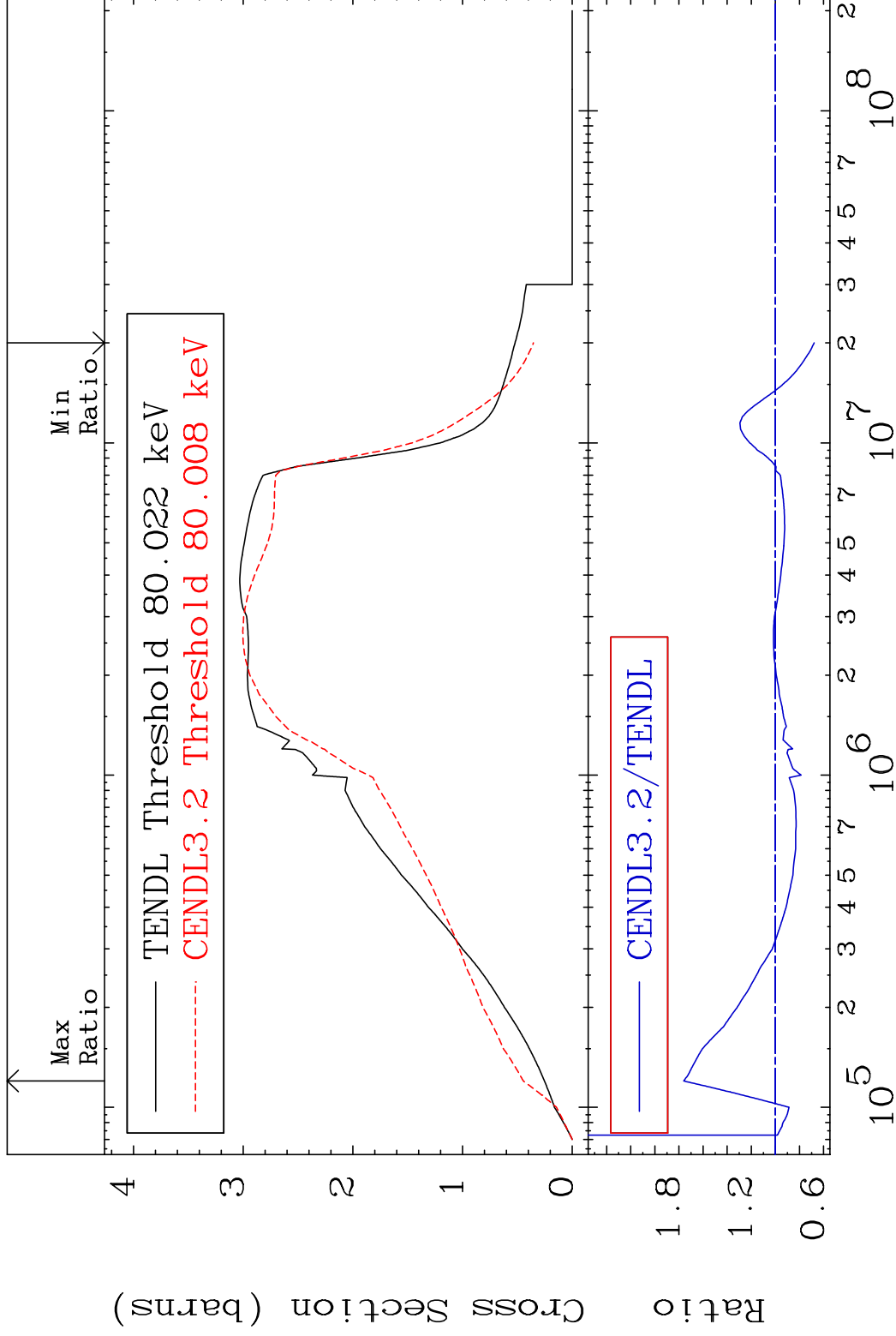
MAT 6443

Inelastic

64-Gd-158

Cross Section

-32.13 To 76.10 %



3

Incident Energy (eV)

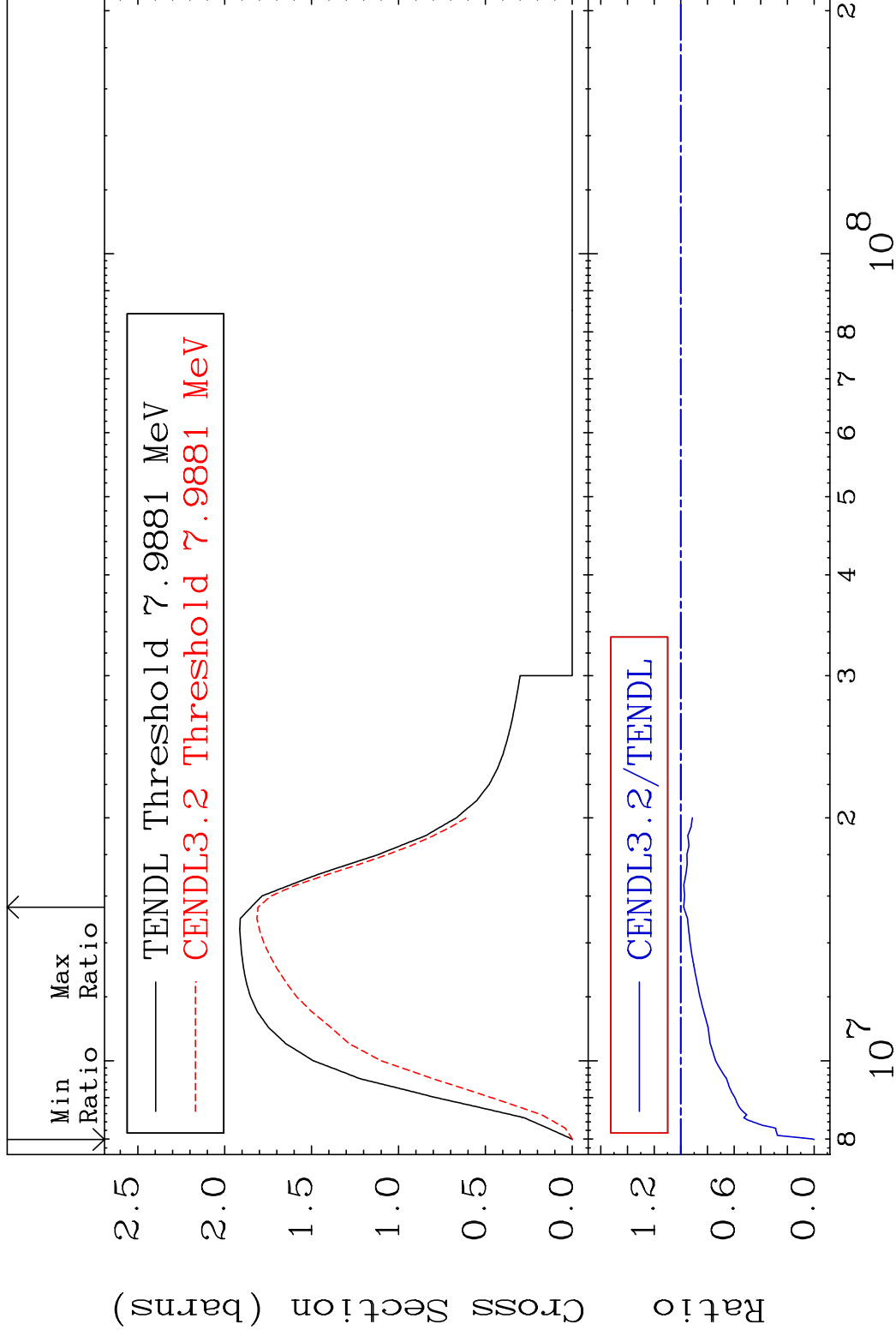
64-Gd-158

MAT 6443

(n,2n)

64-Gd-158

Cross Section -100.0 To -2.164%



4

Incident Energy (eV)

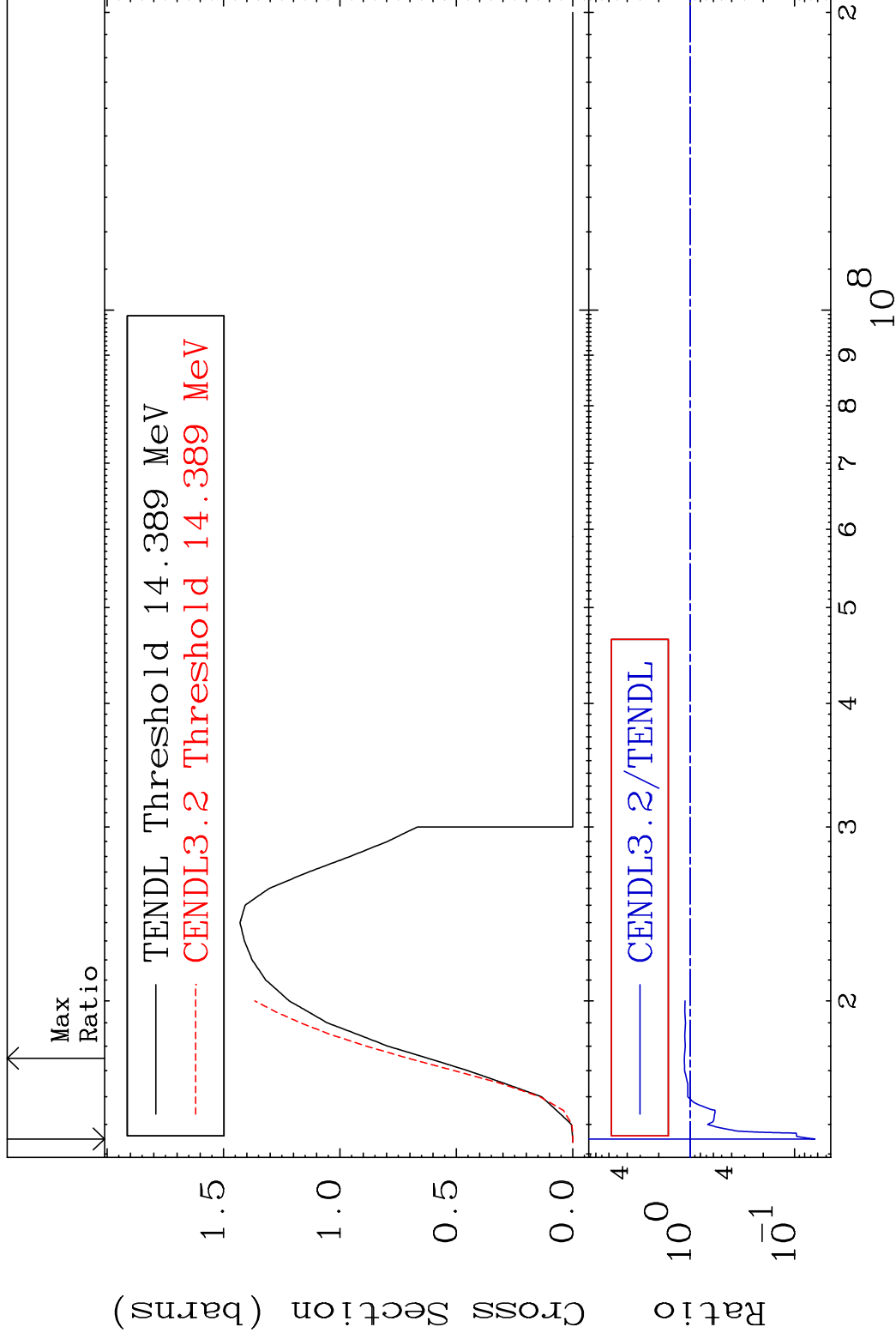
64-Gd-158

MAT 6443

(n,3n)

64-Gd-158

Cross Section -93.60 To 13.70 %



5

Incident Energy (eV)

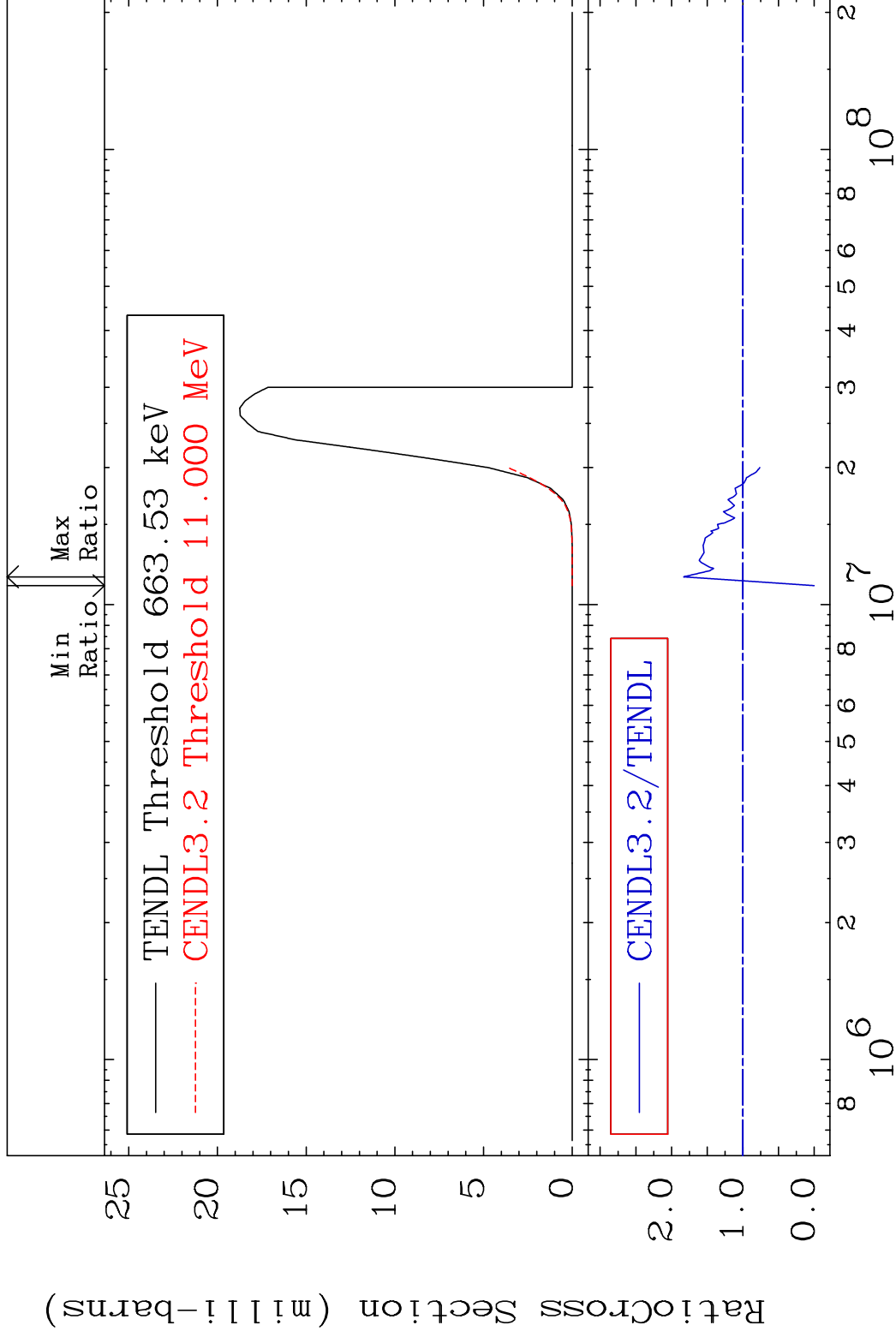
64-Gd-158

MAT 6443

(n, n') α

64-Gd-158

Cross Section -100.0 To 82.94 %



6

Incident Energy (eV)

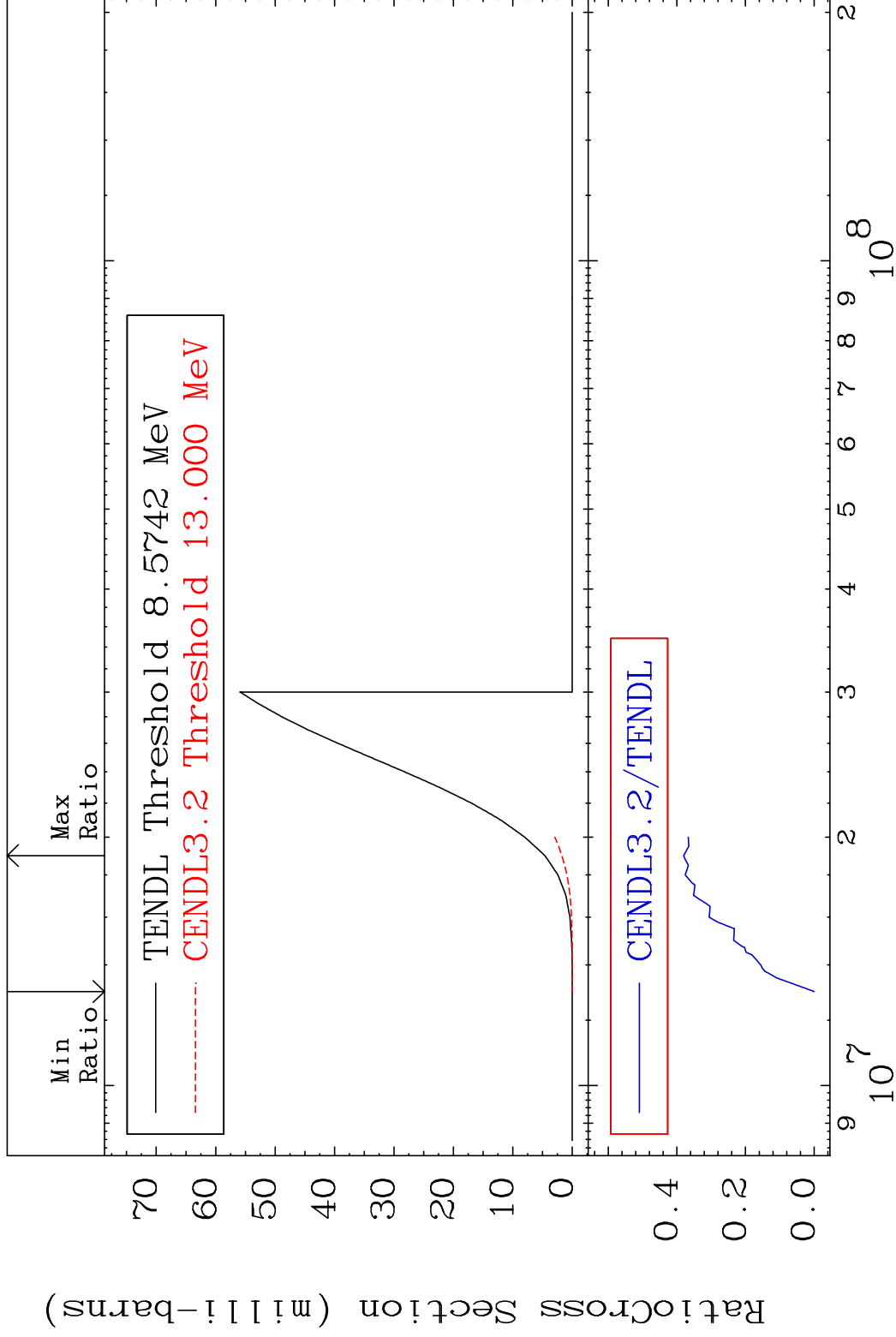
64-Gd-158

MAT 6443

(n, n') p

64-Gd-158

Cross Section -100.0 To -61.98%



7

Incident Energy (eV)

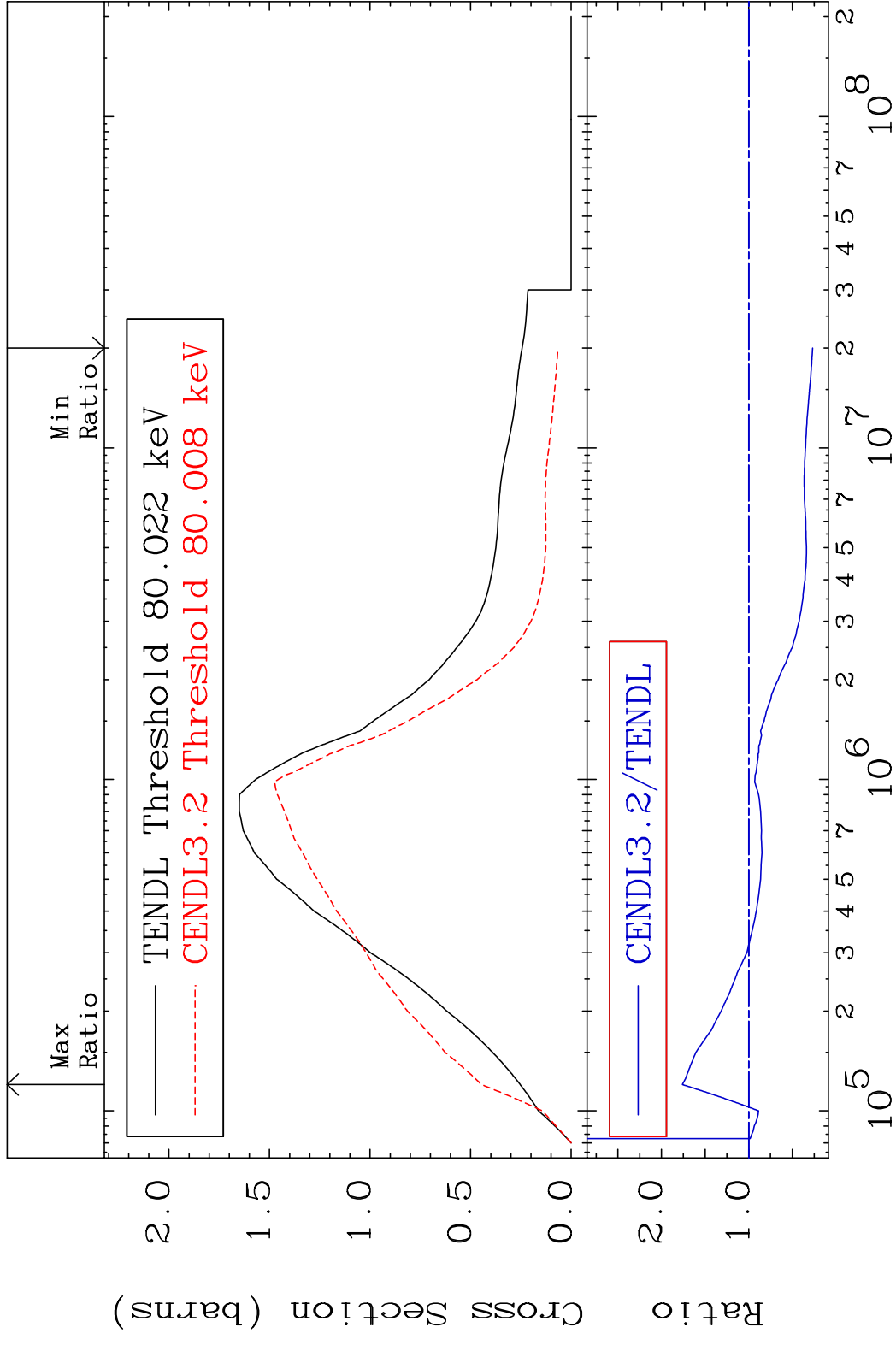
64-Gd-158

MAT 6443

MT= 51 (n, n') Level

64-Gd-158

Cross Section -73.20 To 76.10 %

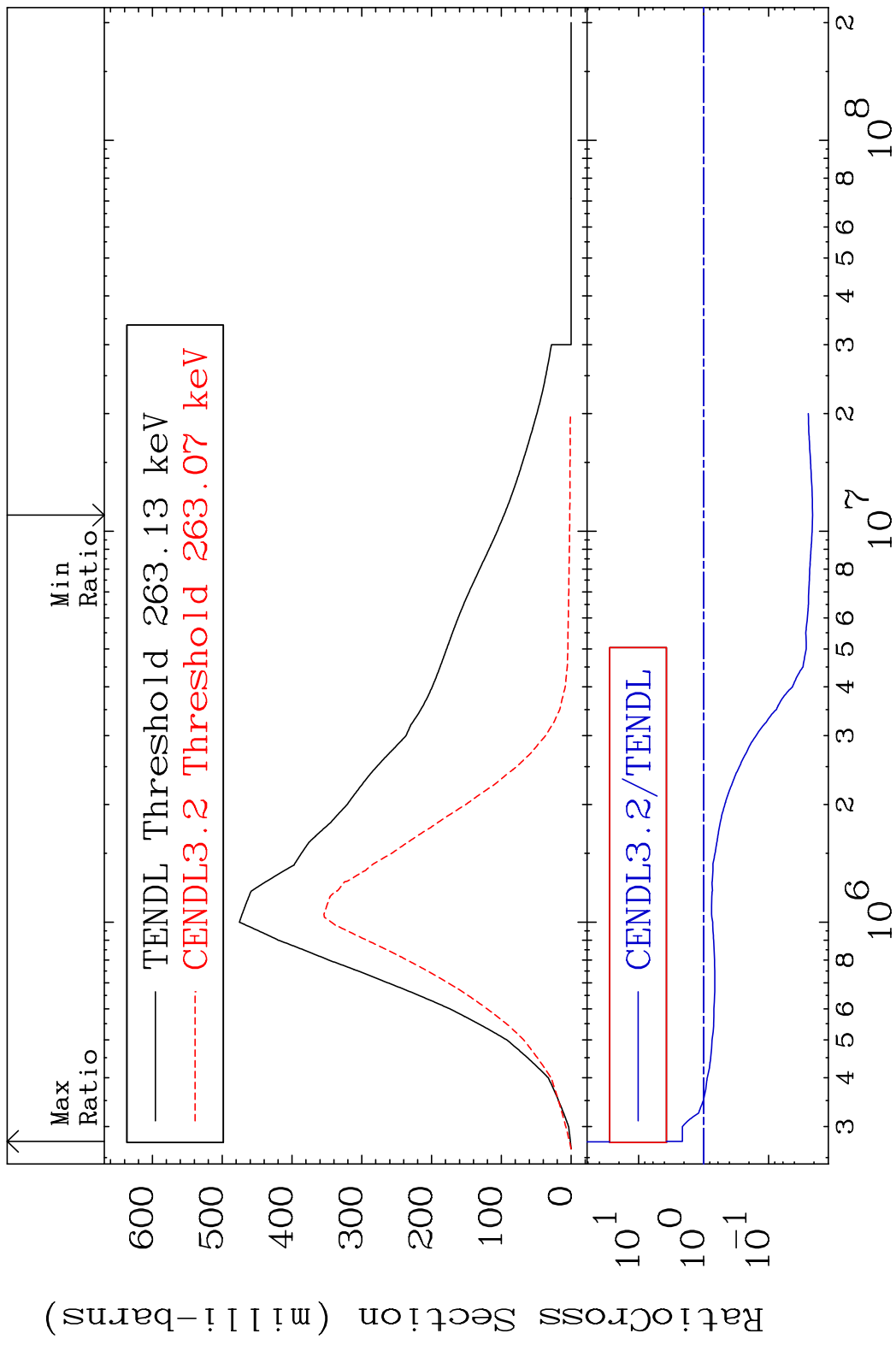


8

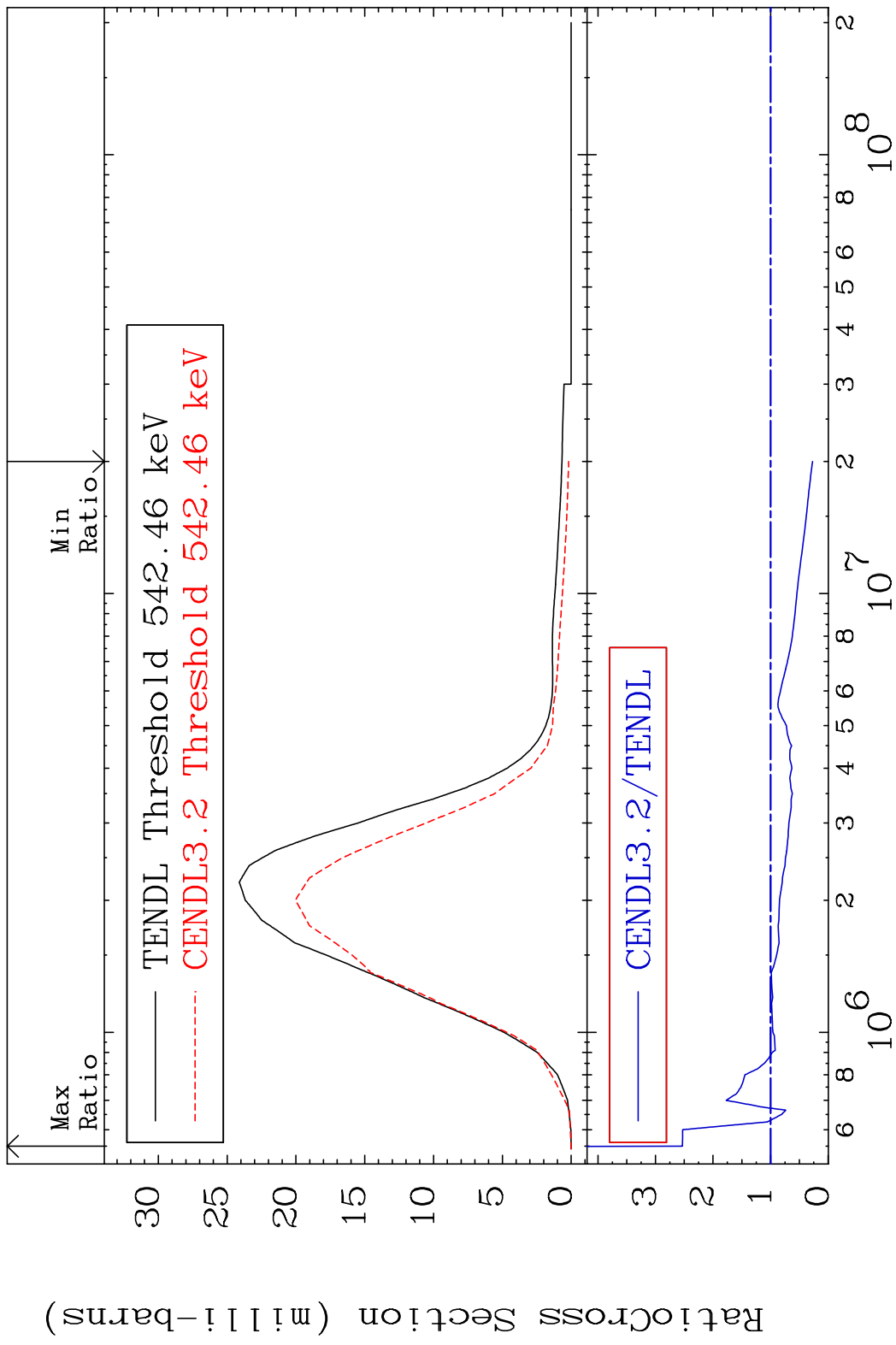
Incident Energy (eV)

64-Gd-158

MAT 6443 MT= 52 (n, n') Level 64-Gd-158
 Cross Section -97.90 To 111.9 %

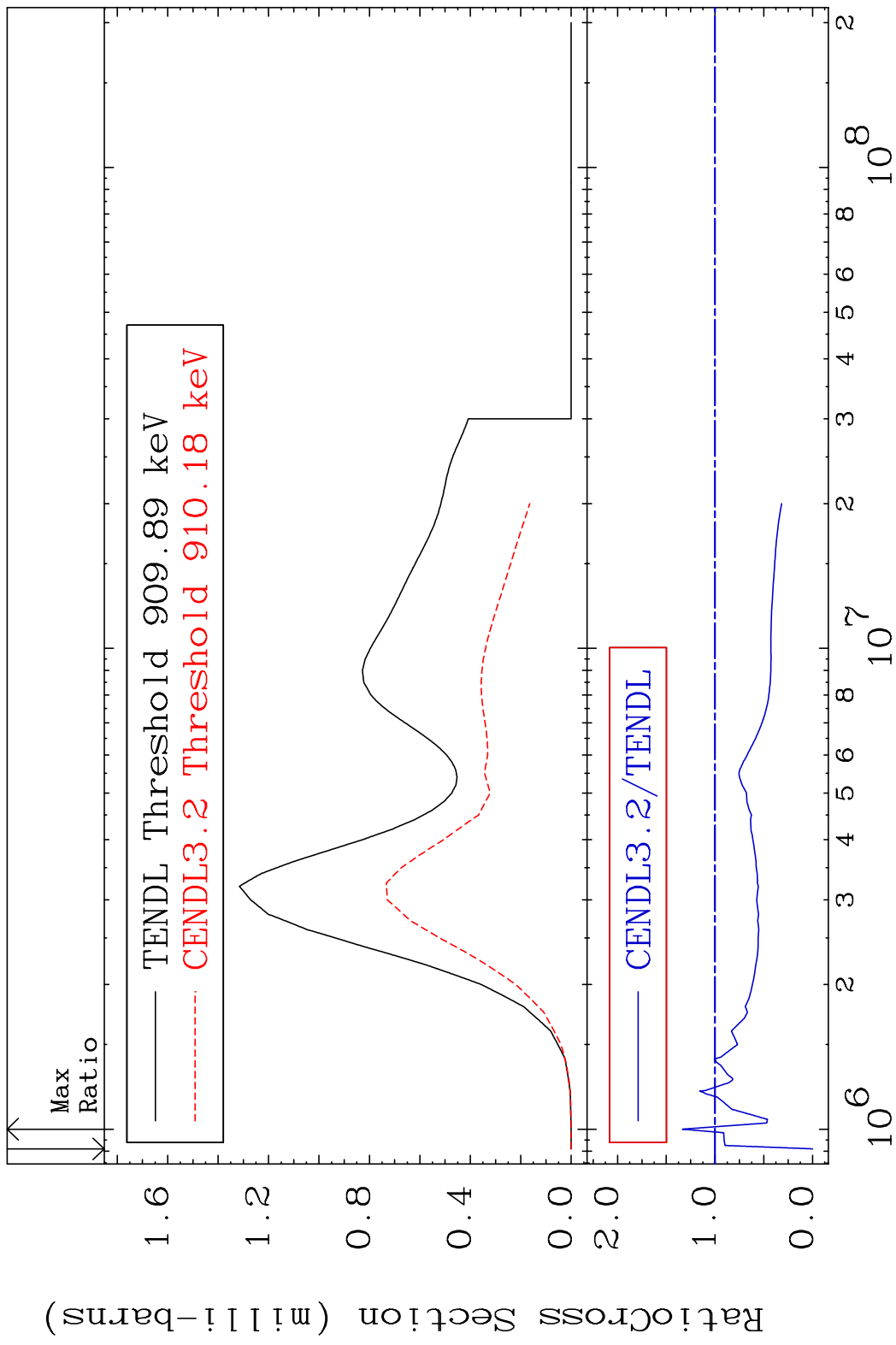


MAT 6443 MT= 53 (n, n') Level 64-Gd-158
 Cross Section -72.90 To 153.3 %



10 Incident Energy (eV) 64-Gd-158

MAT 6443 MT= 54 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 33.54 %



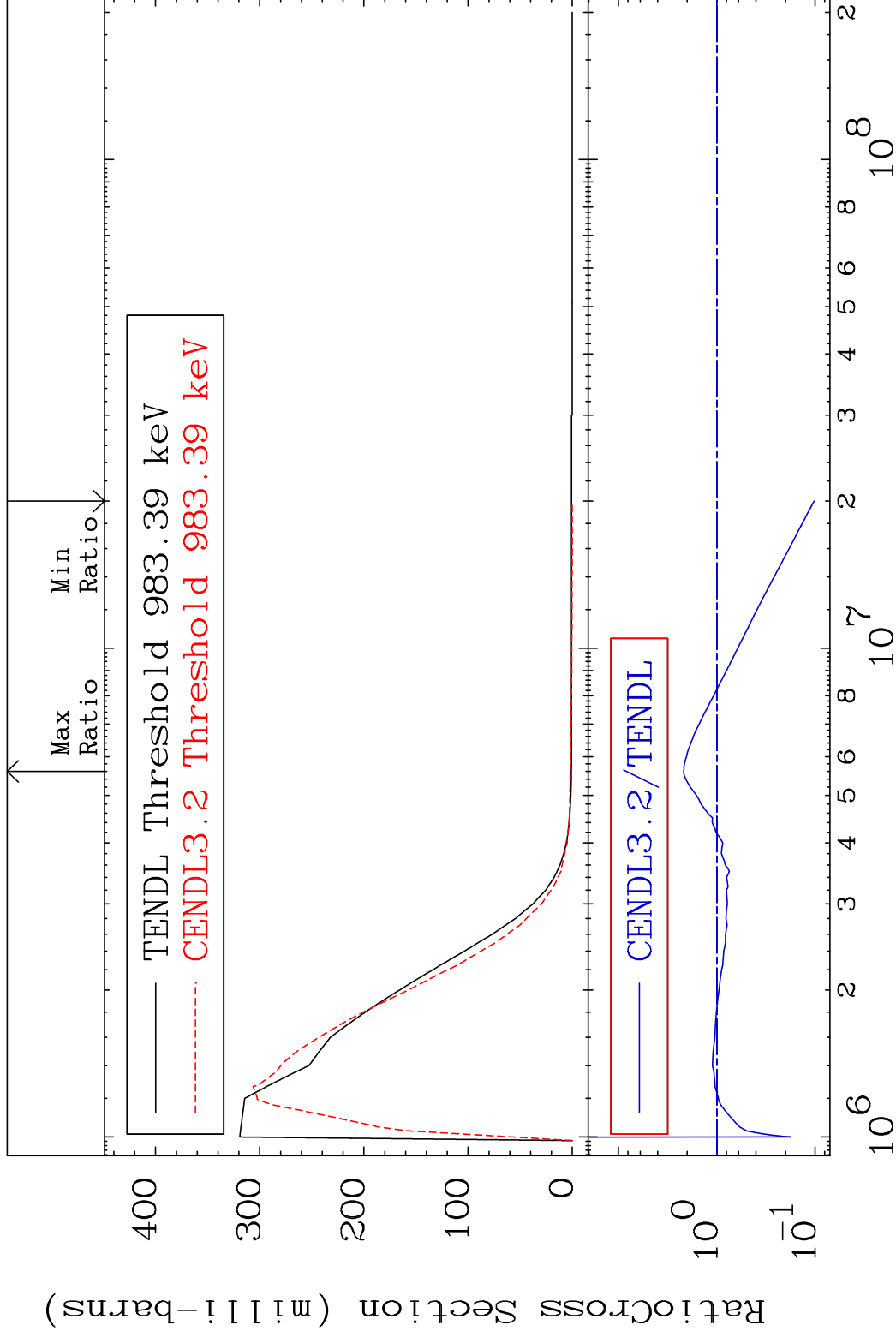
11 Incident Energy (eV) 64-Gd-158

MAT 6443

MT= 55 (n, n') Level

64-Gd-158

Cross Section -89.75 To 117.1 %

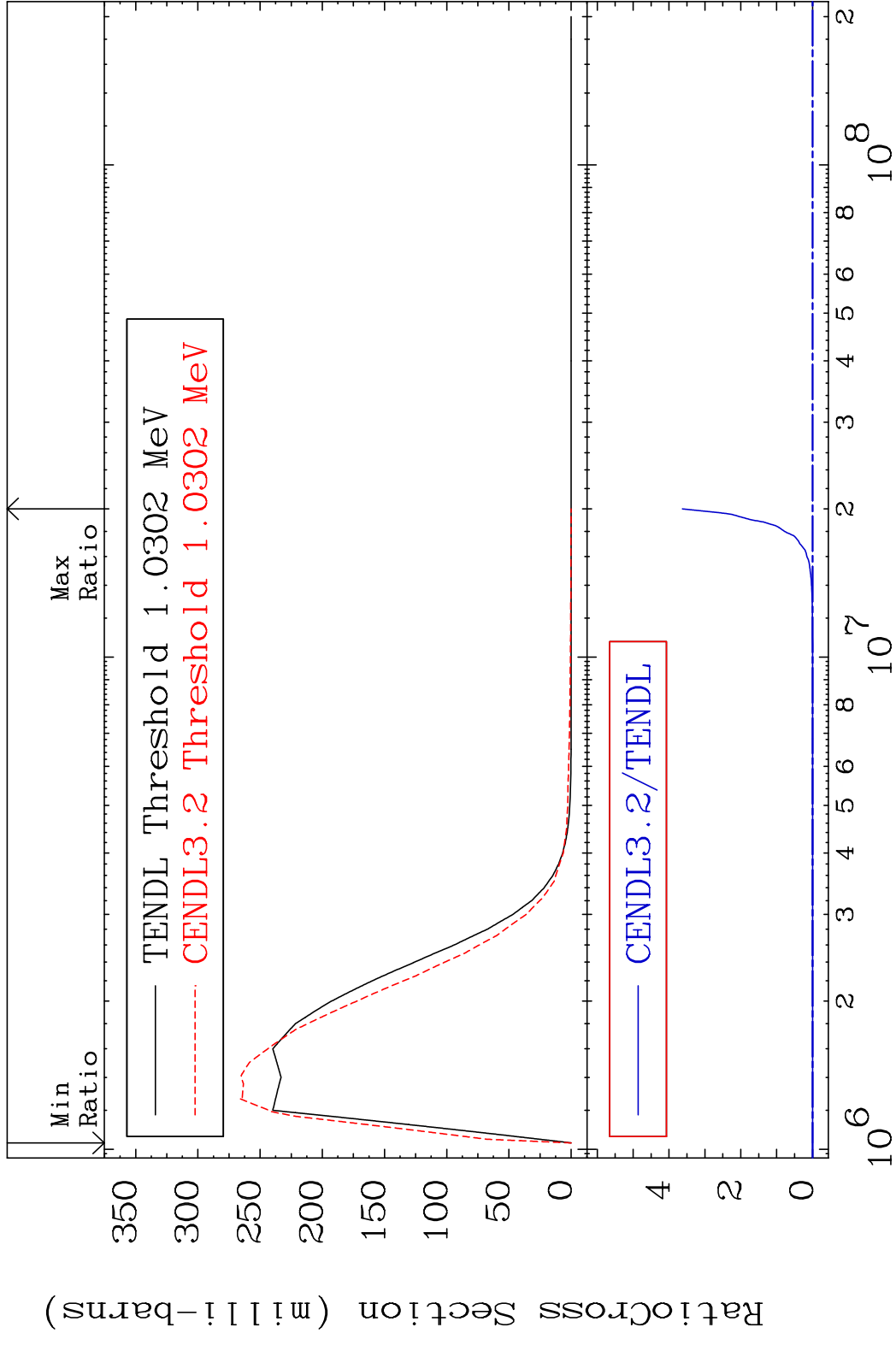


12

Incident Energy (eV)

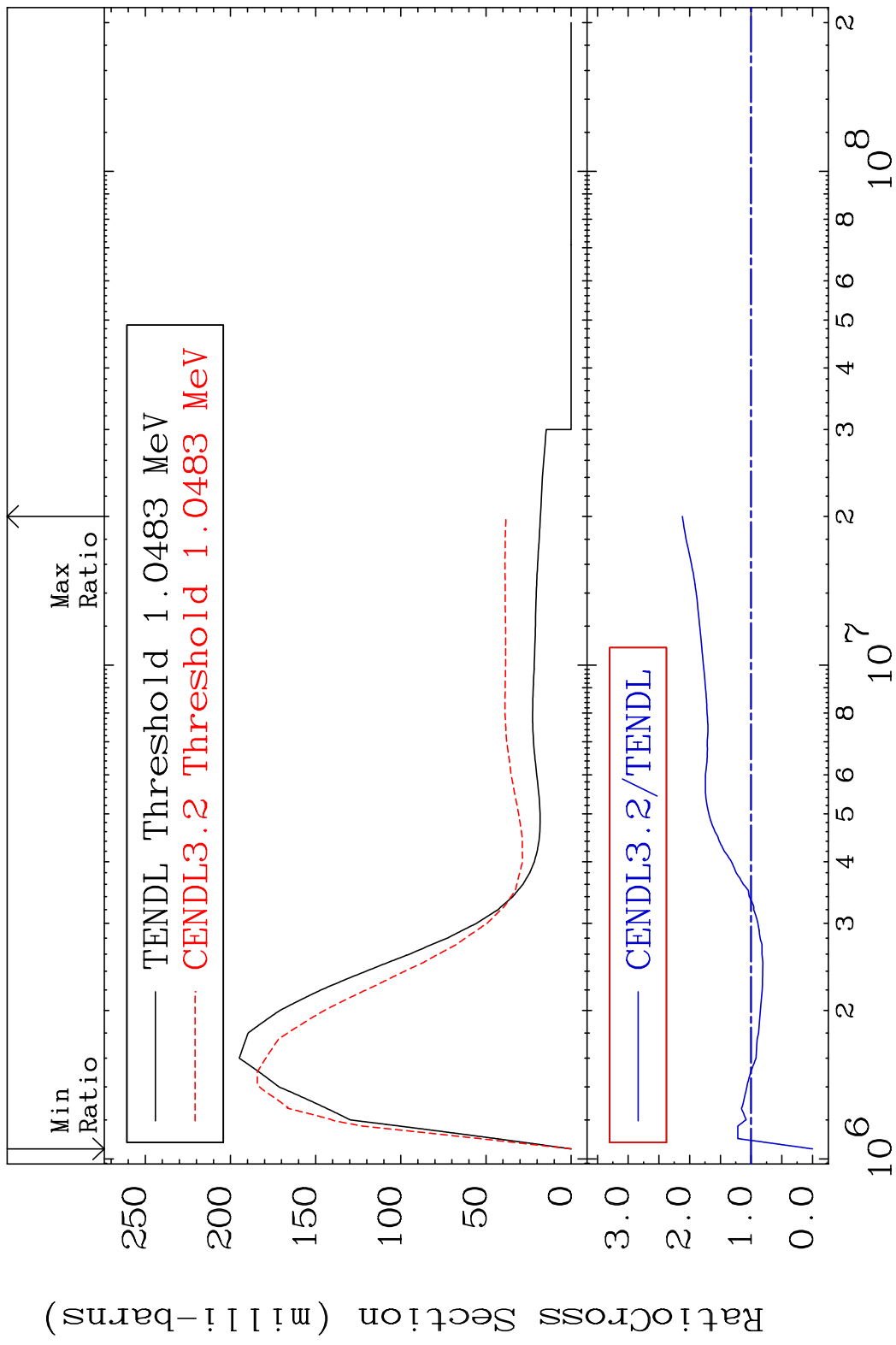
64-Gd-158

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



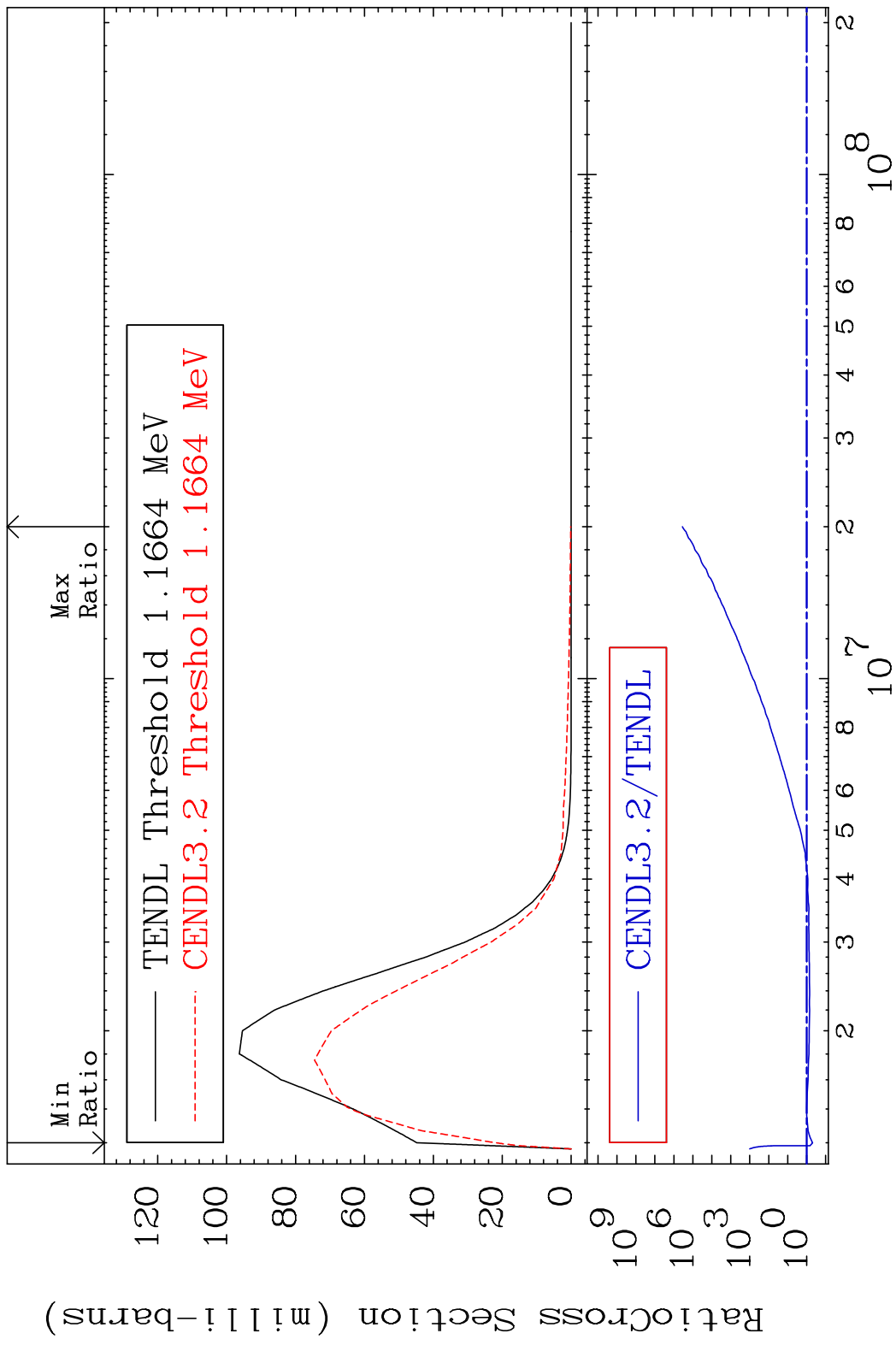
13 Incident Energy (eV) 64-Gd-158

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

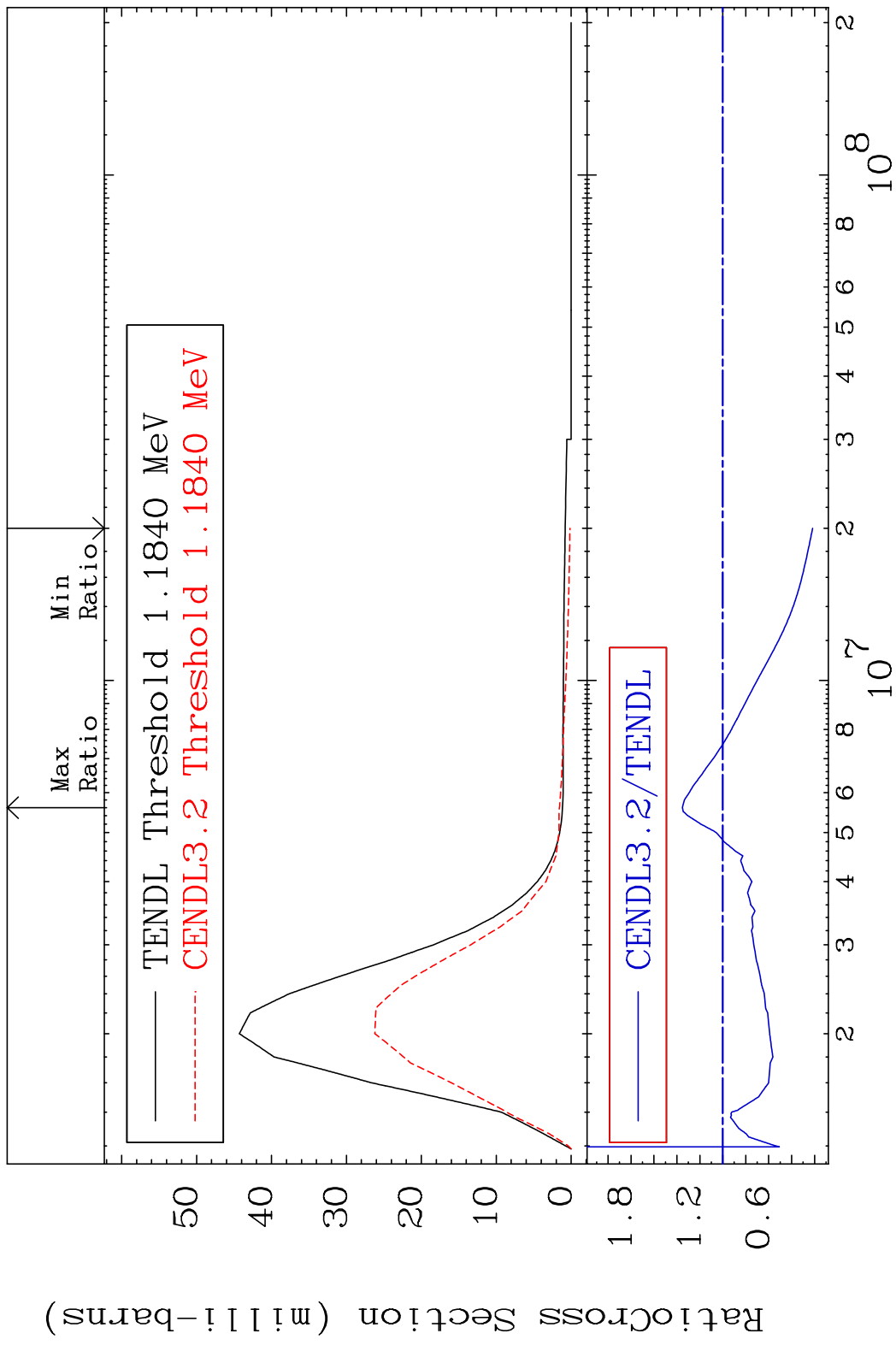


14 Incident Energy (eV) 64-Gd-158

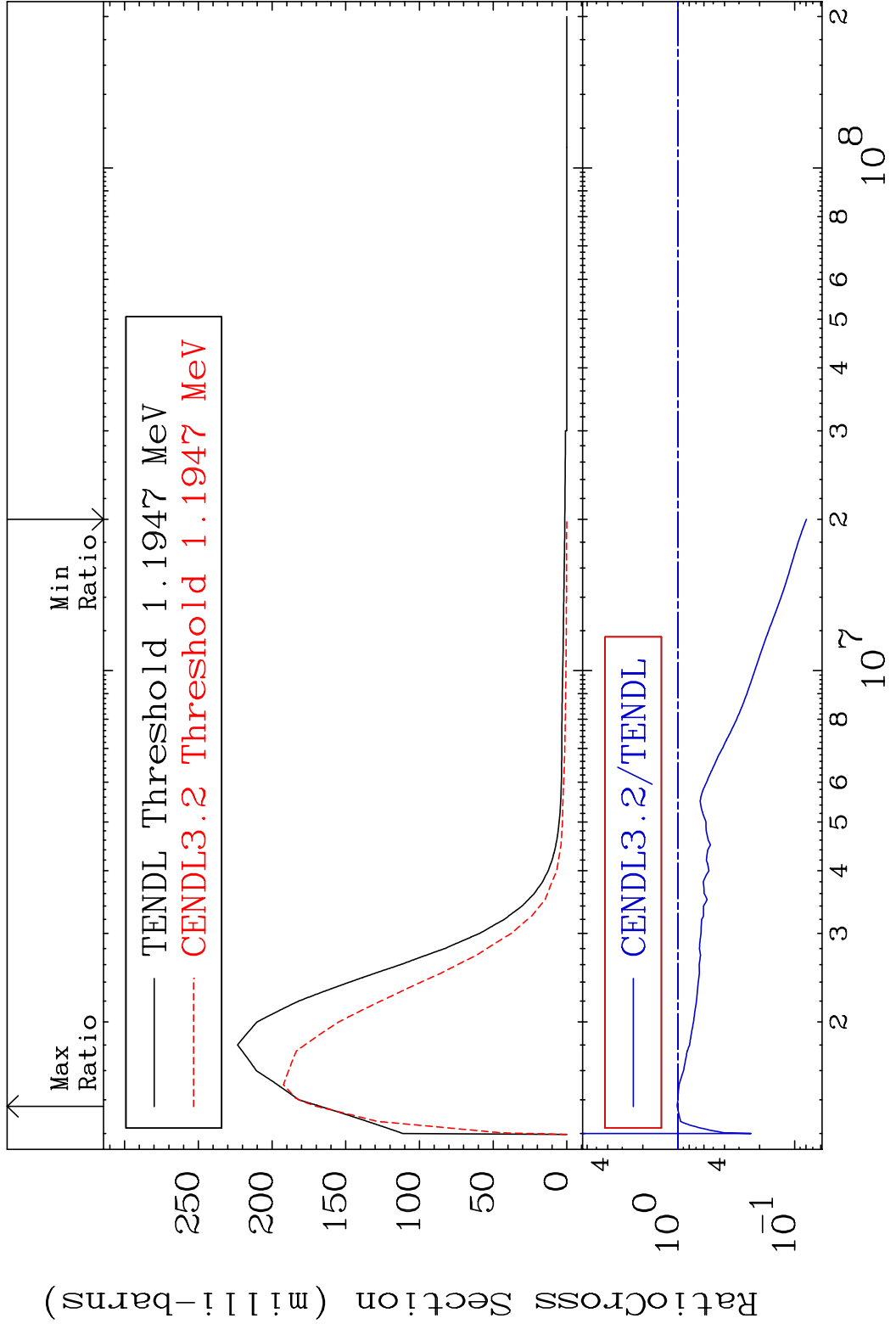
MAT 6443 MT= 58 (n, n') Level 64-Gd-158
 Cross Section -50.95 To 9999. %



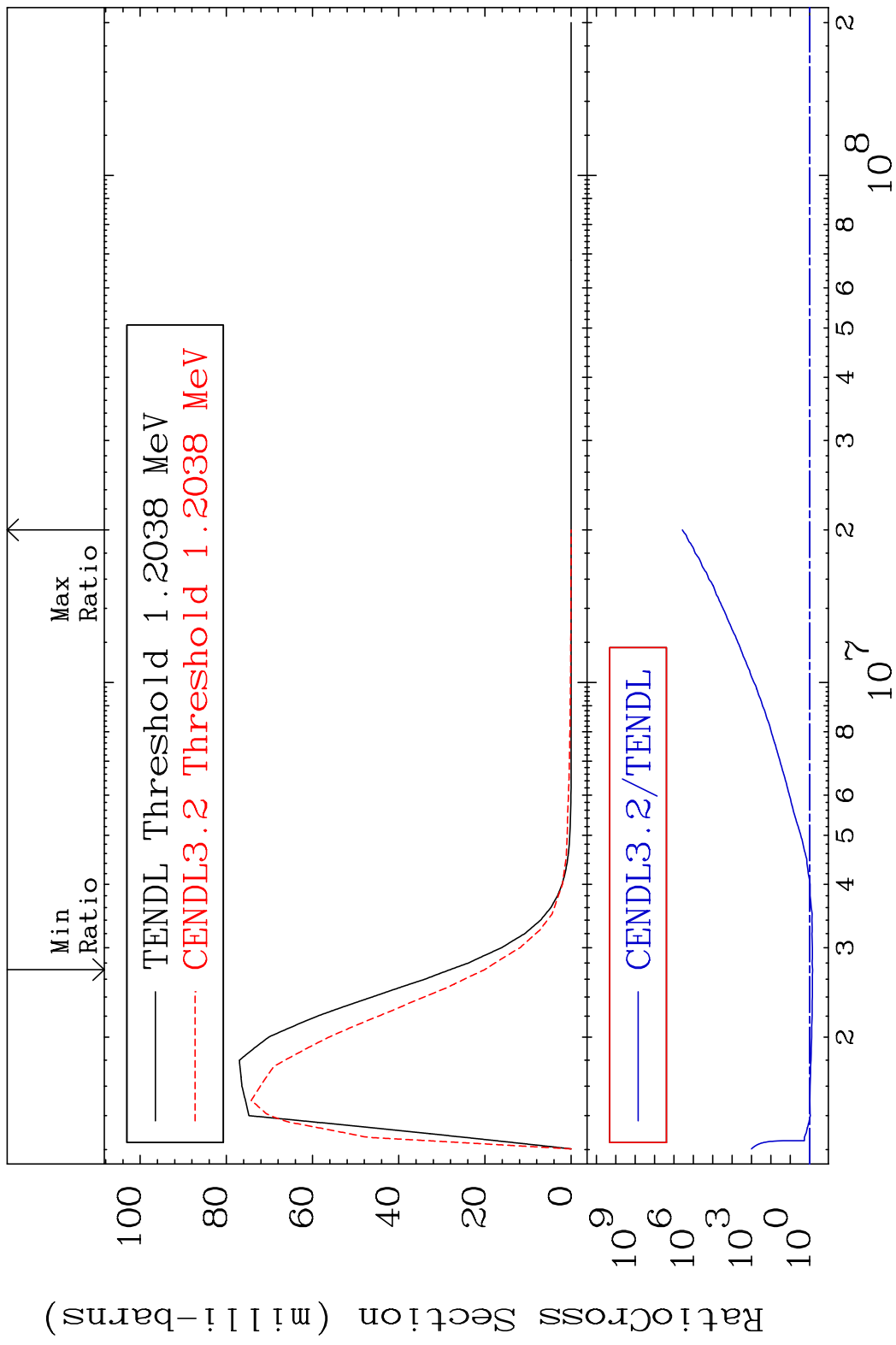
MAT 6443 MT= 59 (n, n') Level 64-Gd-158
 Cross Section -78.21 To 35.23 %



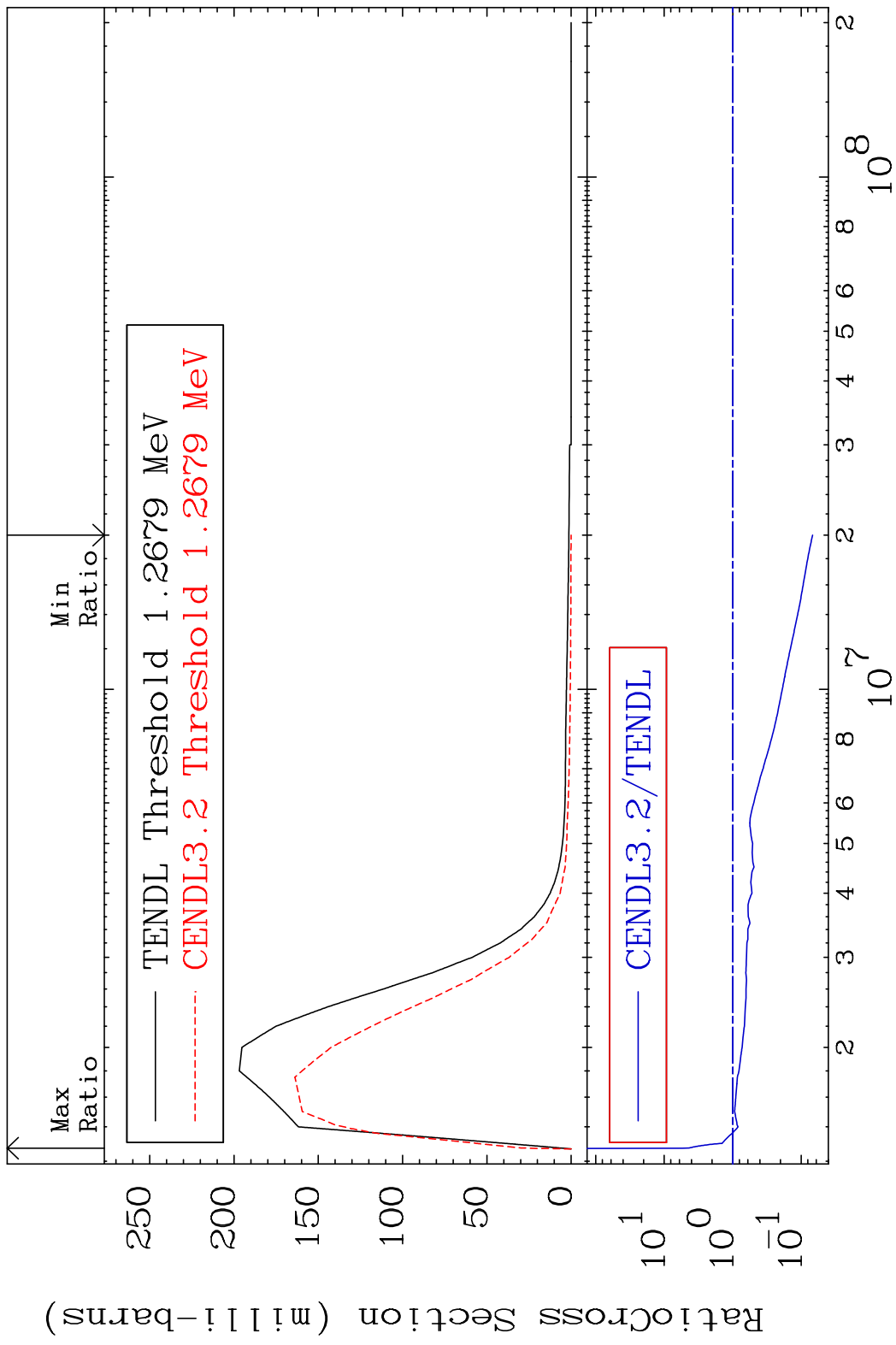
MAT 6443 MT= 60 (n, n') Level 64-Gd-158
 Cross Section -92.05 To 1.590 %



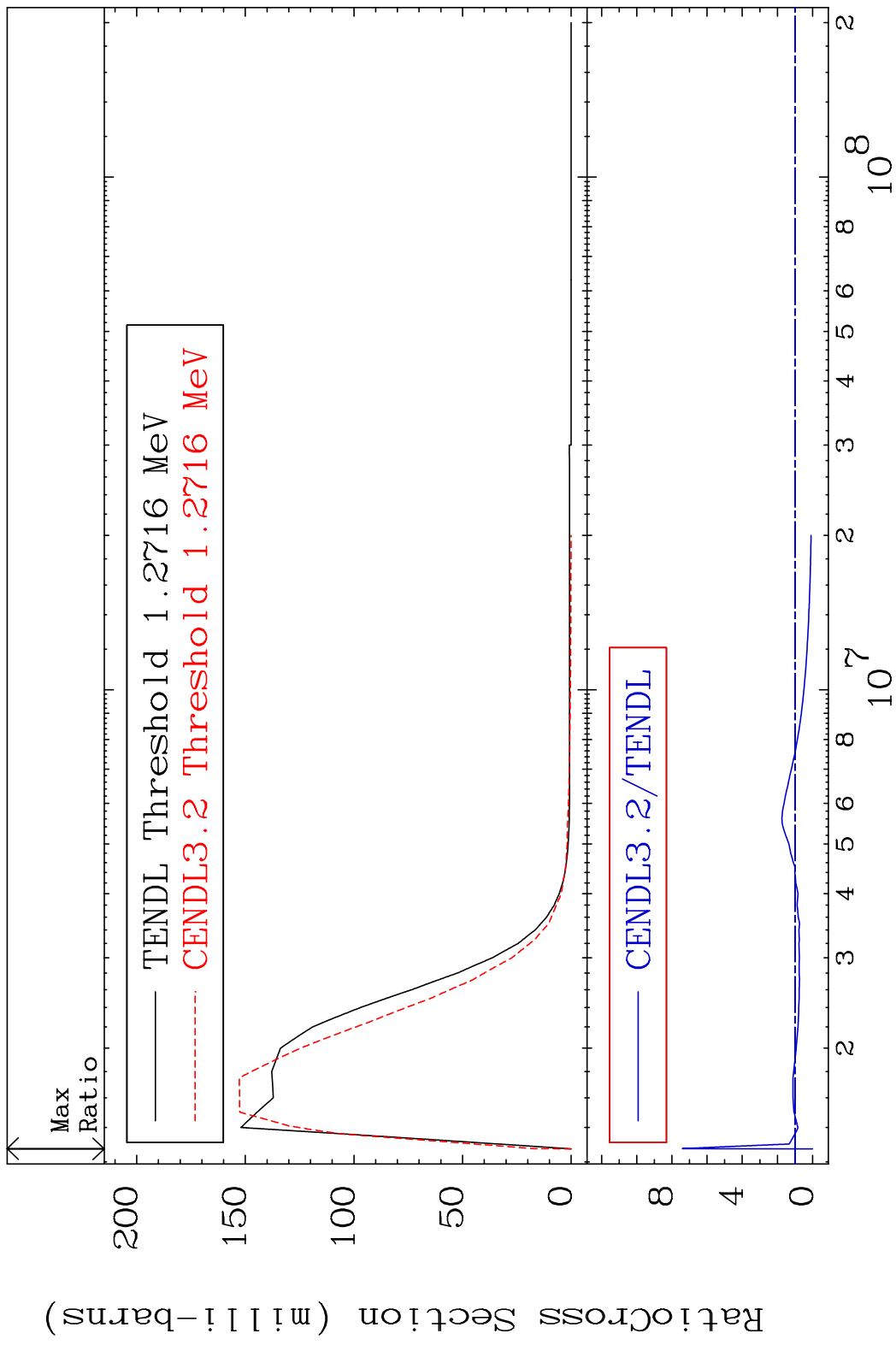
MAT 6443 MT= 61 (n, n') Level 64-Gd-158
 Cross Section -28.55 To 9999. %



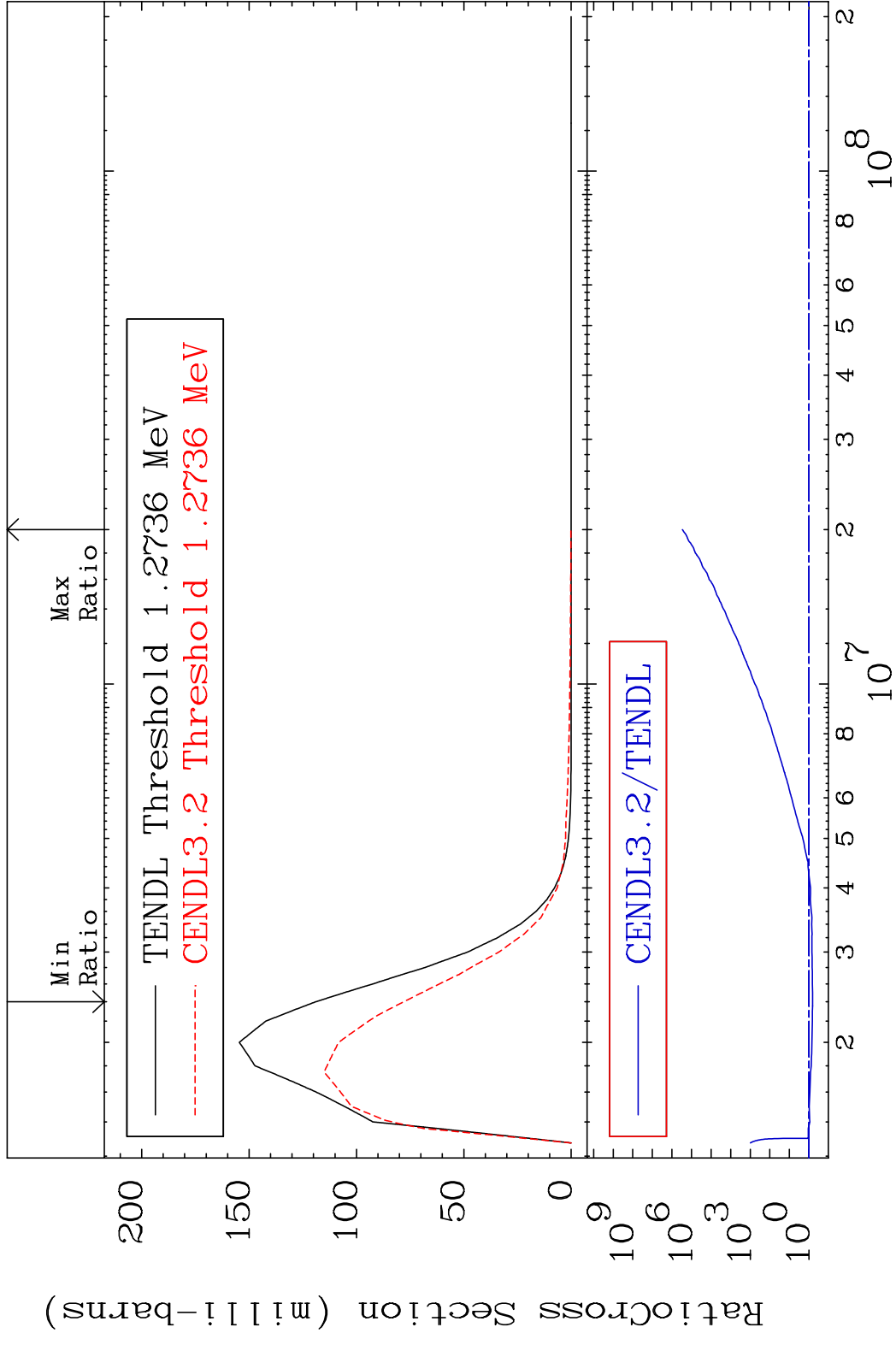
MAT 6443 MT= 62 (n, n') Level 64-Gd-158
 Cross Section -93.19 To 443.6 %



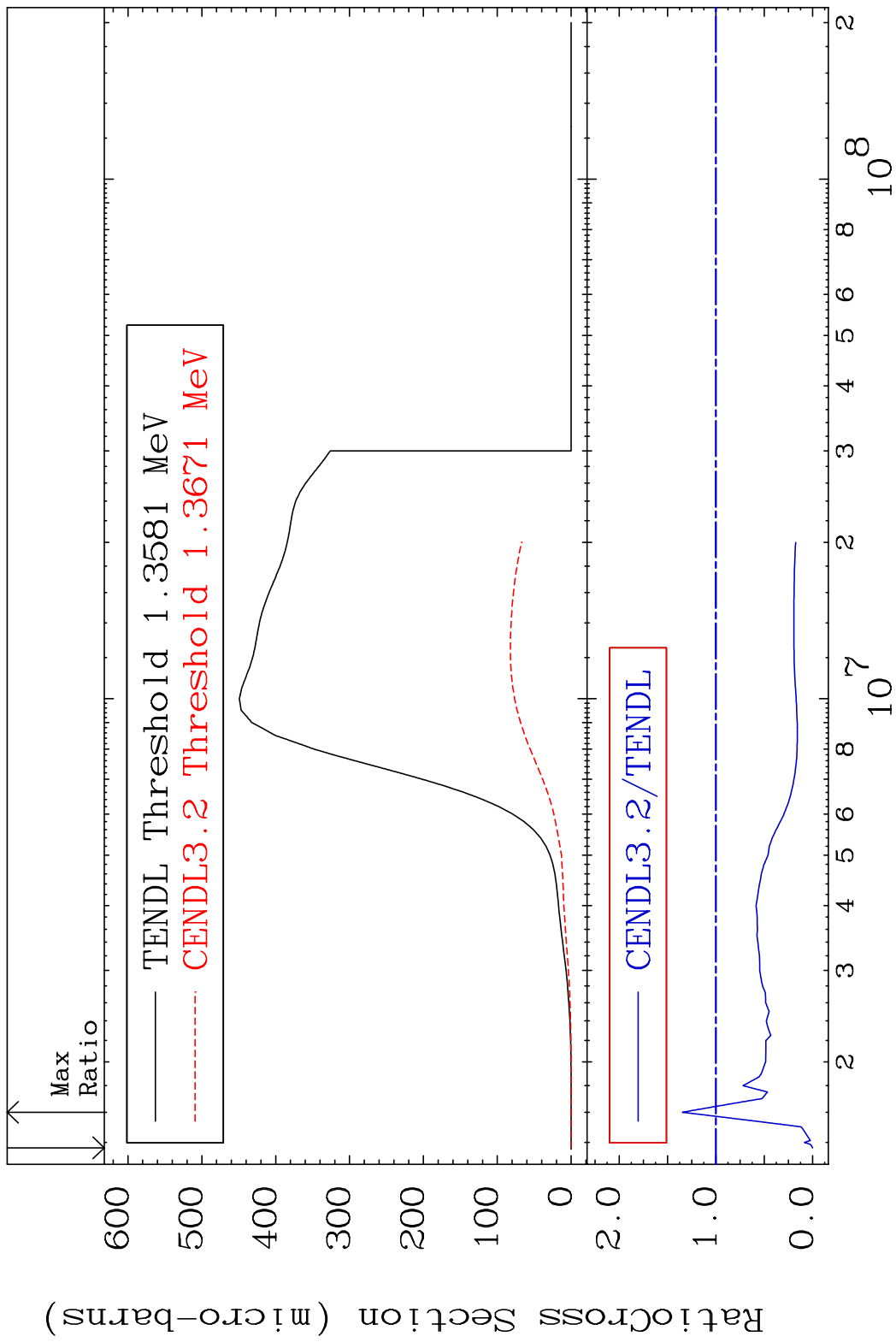
MAT 6443 MT= 63 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 640.7 %



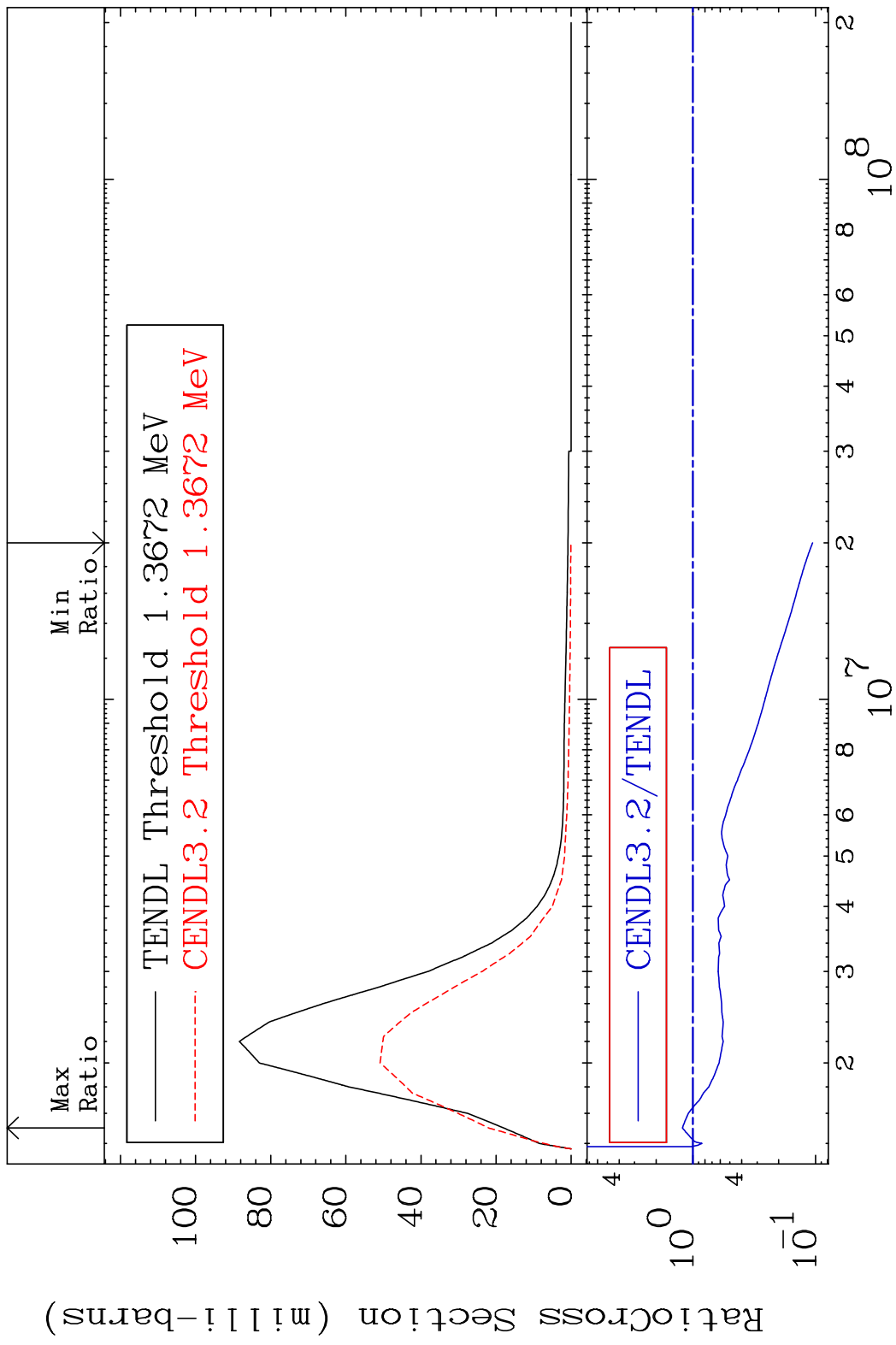
MAT 6443 MT= 64 (n, n') Level 64-Gd-158
 Cross Section -34.38 To 9999. %



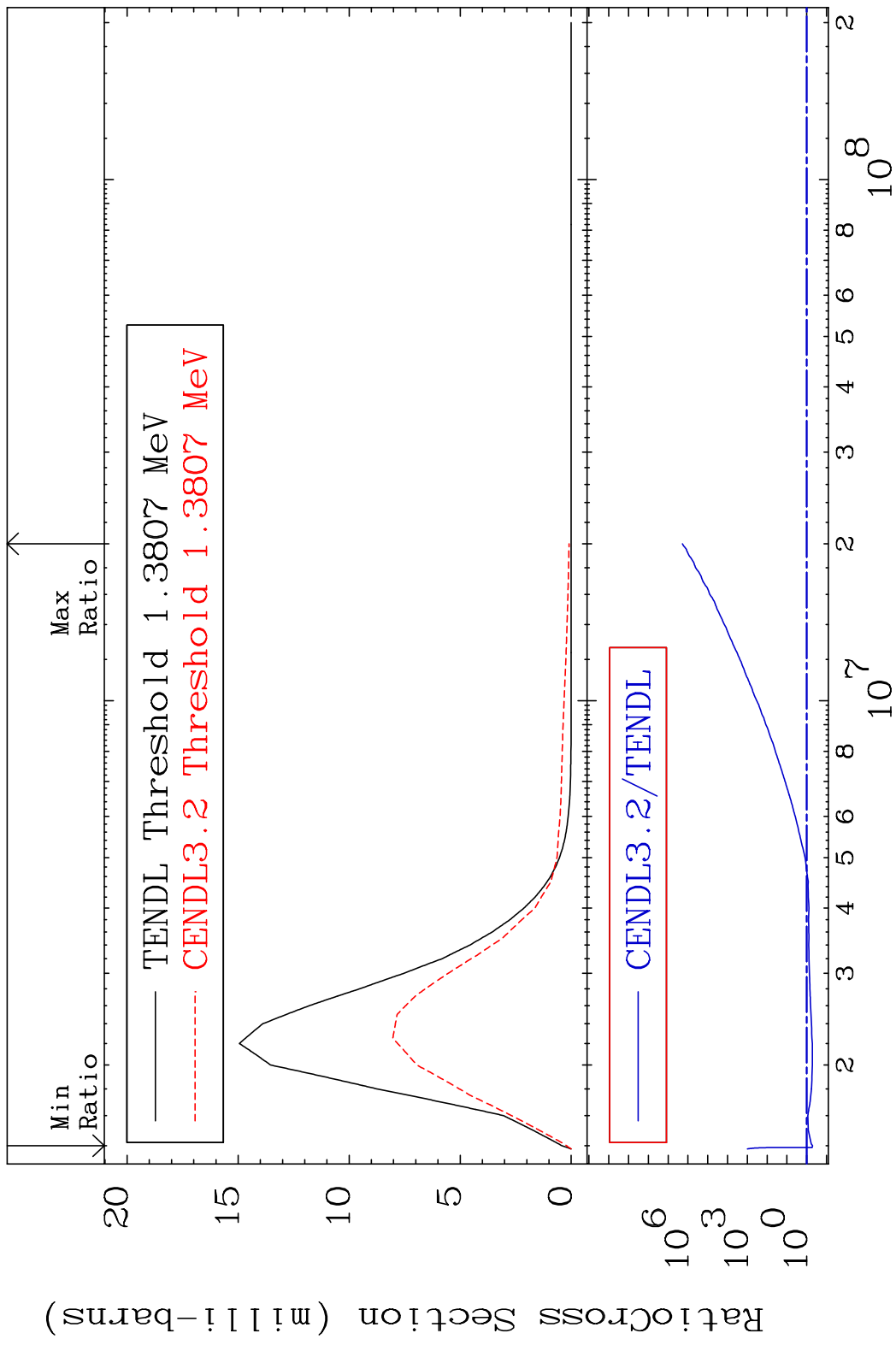
MAT 6443 MT= 65 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 34.69 %



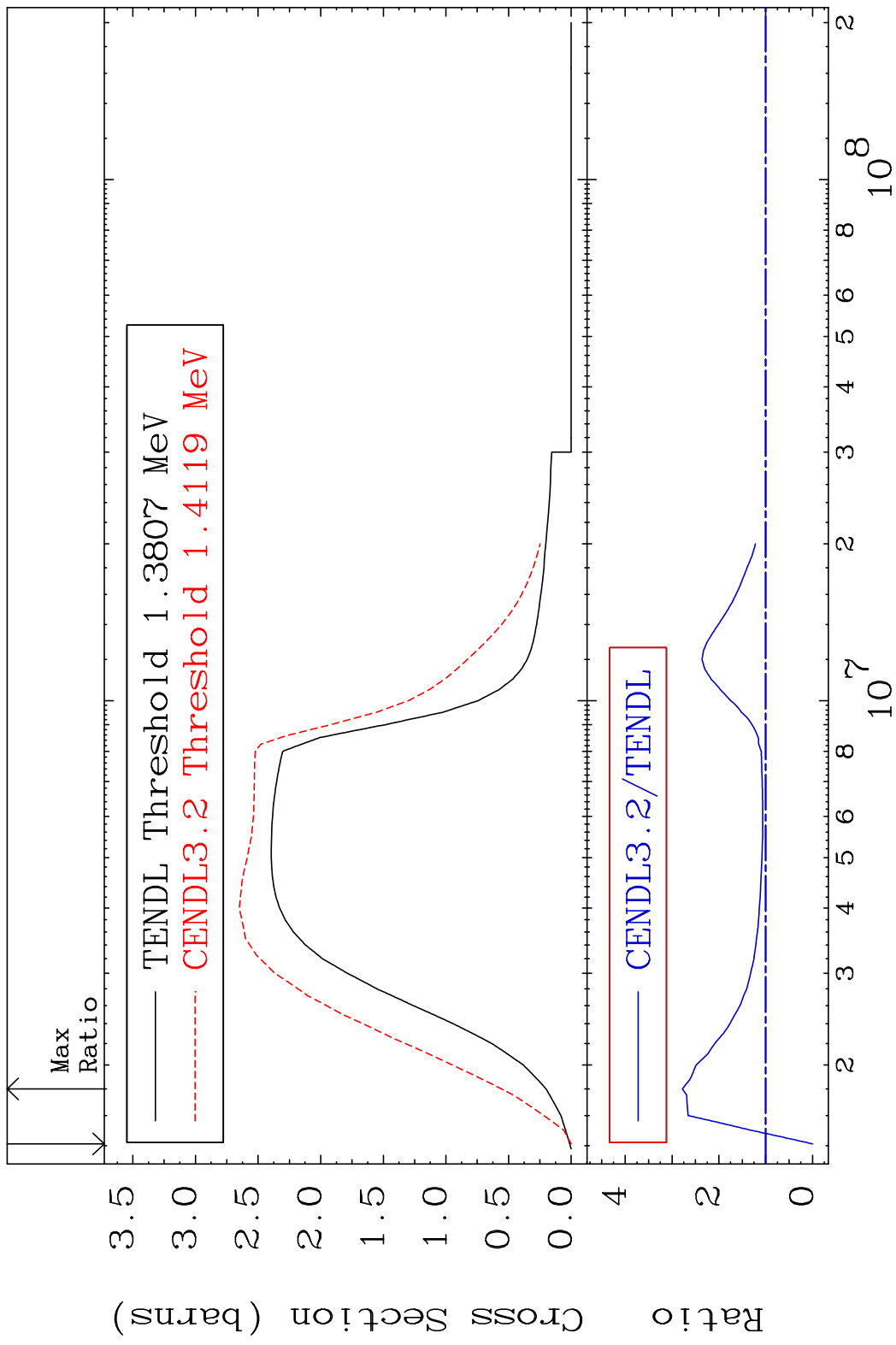
MAT 6443 MT= 66 (n, n') Level 64-Gd-158
 Cross Section -89.40 To 22.09 %



MAT 6443 MT= 67 (n, n') Level 64-Gd-158
 Cross Section -49.37 To 9999. %



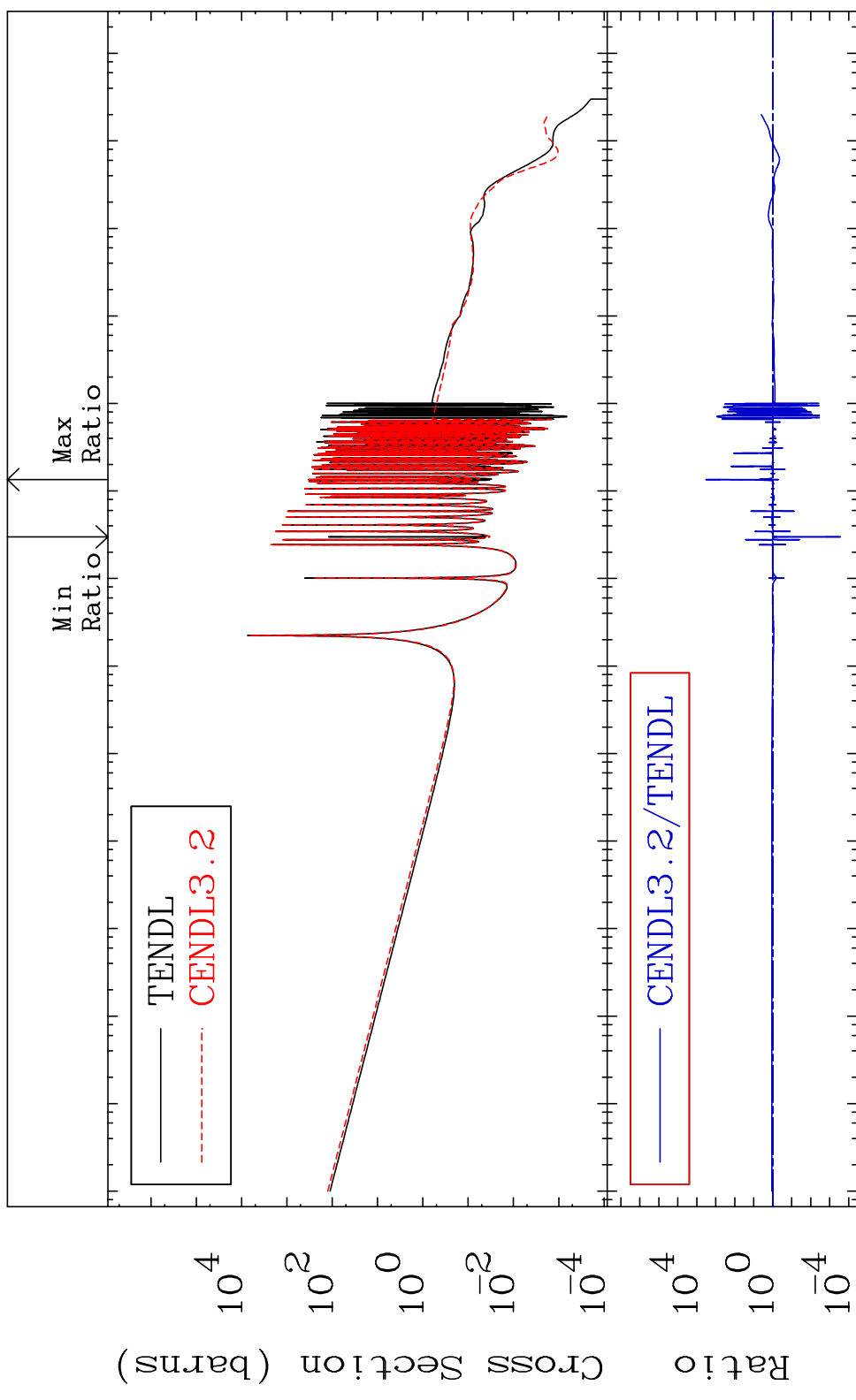
MAT 6443 (n, n') Continuum 64-Gd-158
 Cross Section -100.0 To 178.0 %



MAT 6443

(n, γ)
Cross Section -99.97 To 9999. %

64-Gd-158

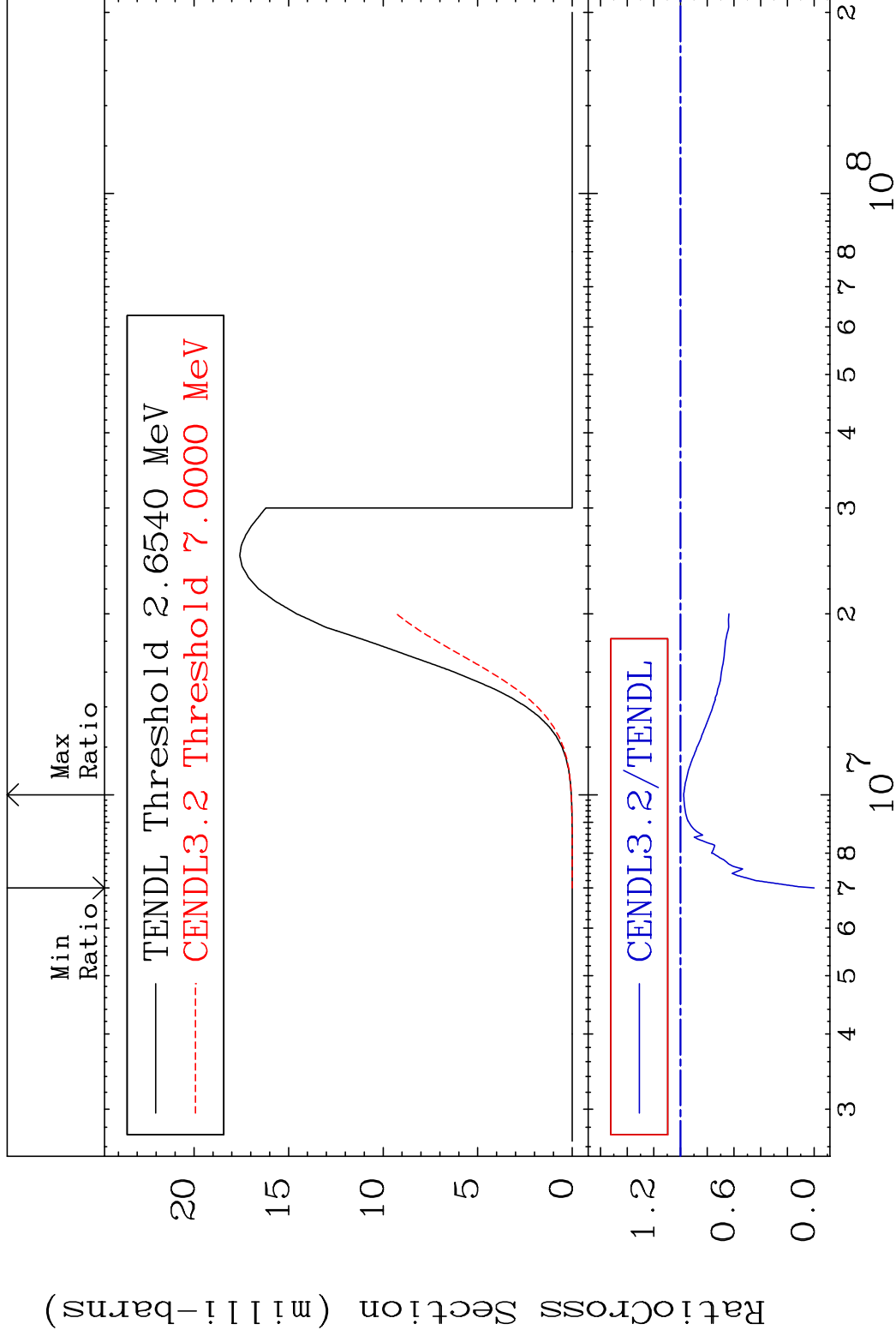


MAT 6443

(n, p)

64-Gd-158

Cross Section -100.0 To -2.316%



27

Incident Energy (eV)

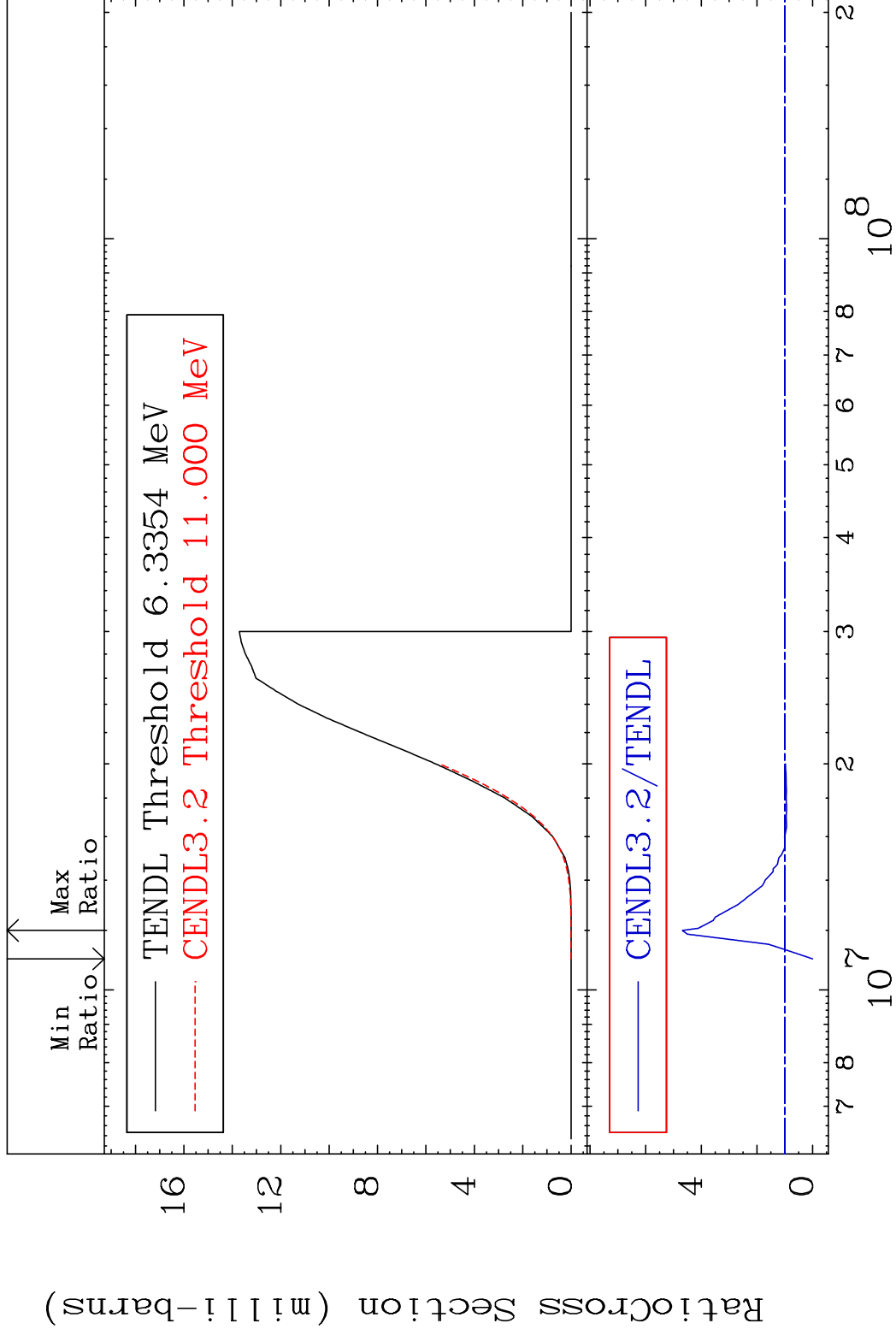
64-Gd-158

MAT 6443

(n, d)

64-Gd-158

Cross Section -100.0 To 368.3 %



28

Incident Energy (eV)

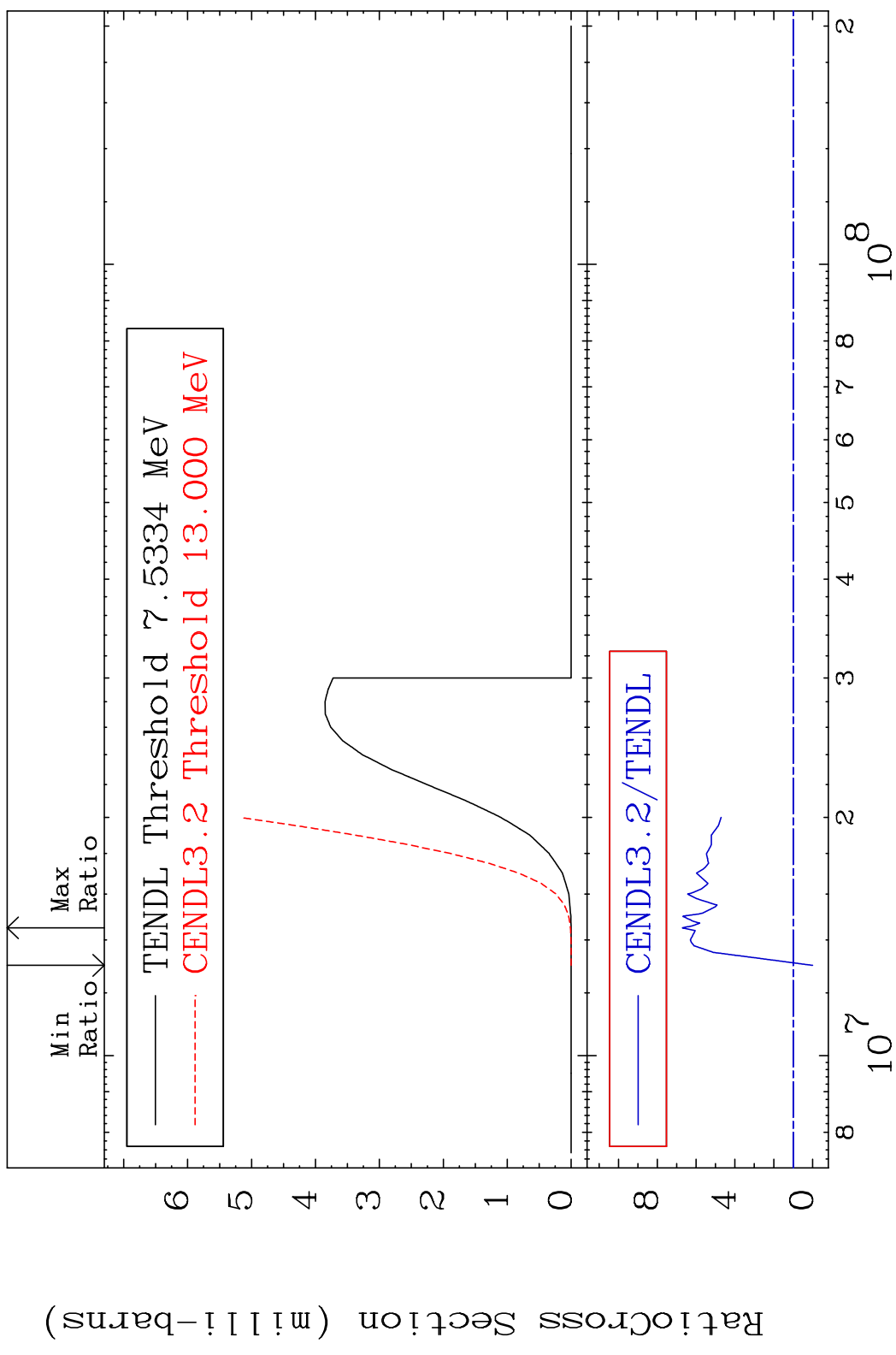
64-Gd-158

MAT 6443

(n, t)

64-Gd-158

Cross Section -100.0 To 570.9 %

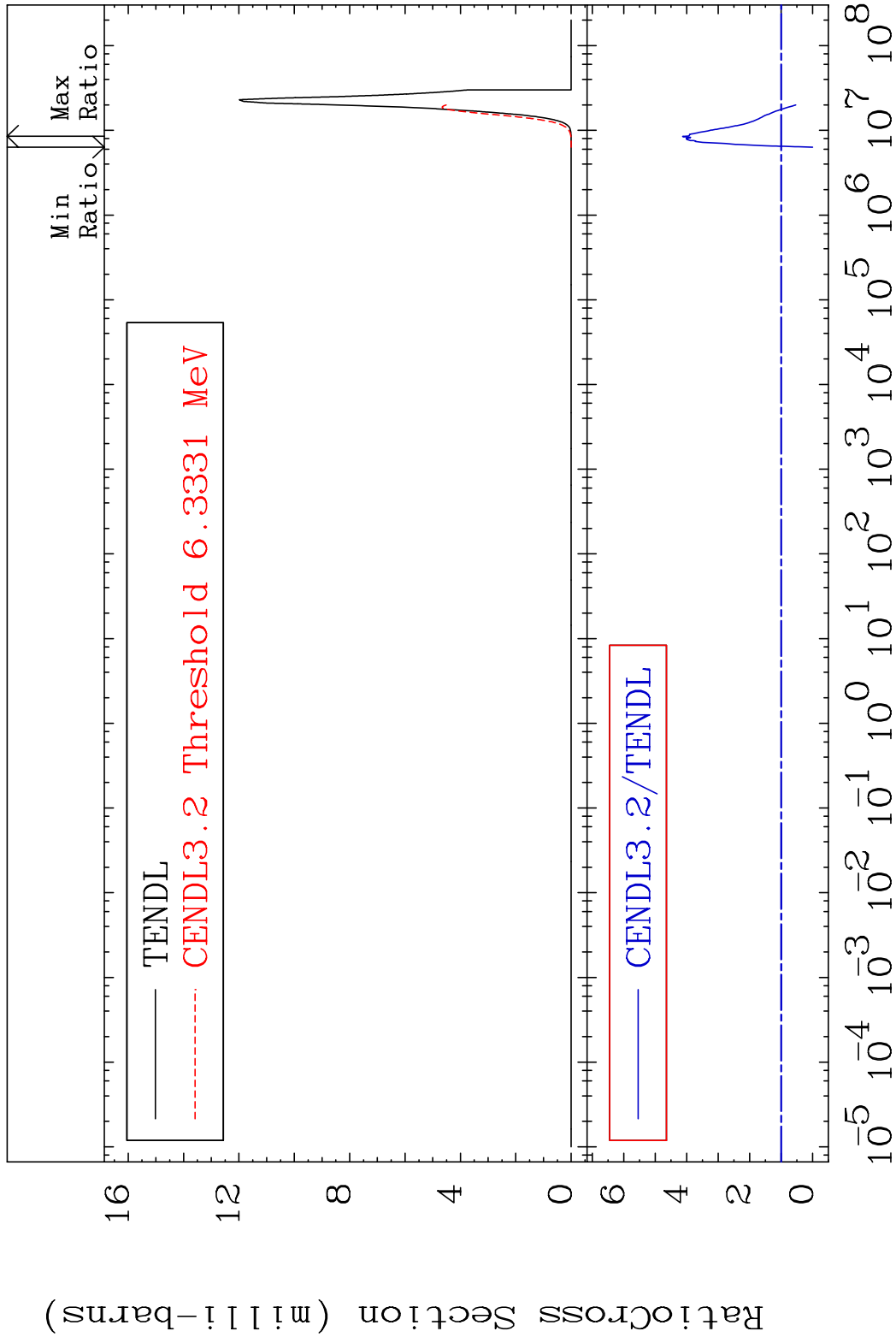


MAT 6443

(n, α)

64-Gd-158

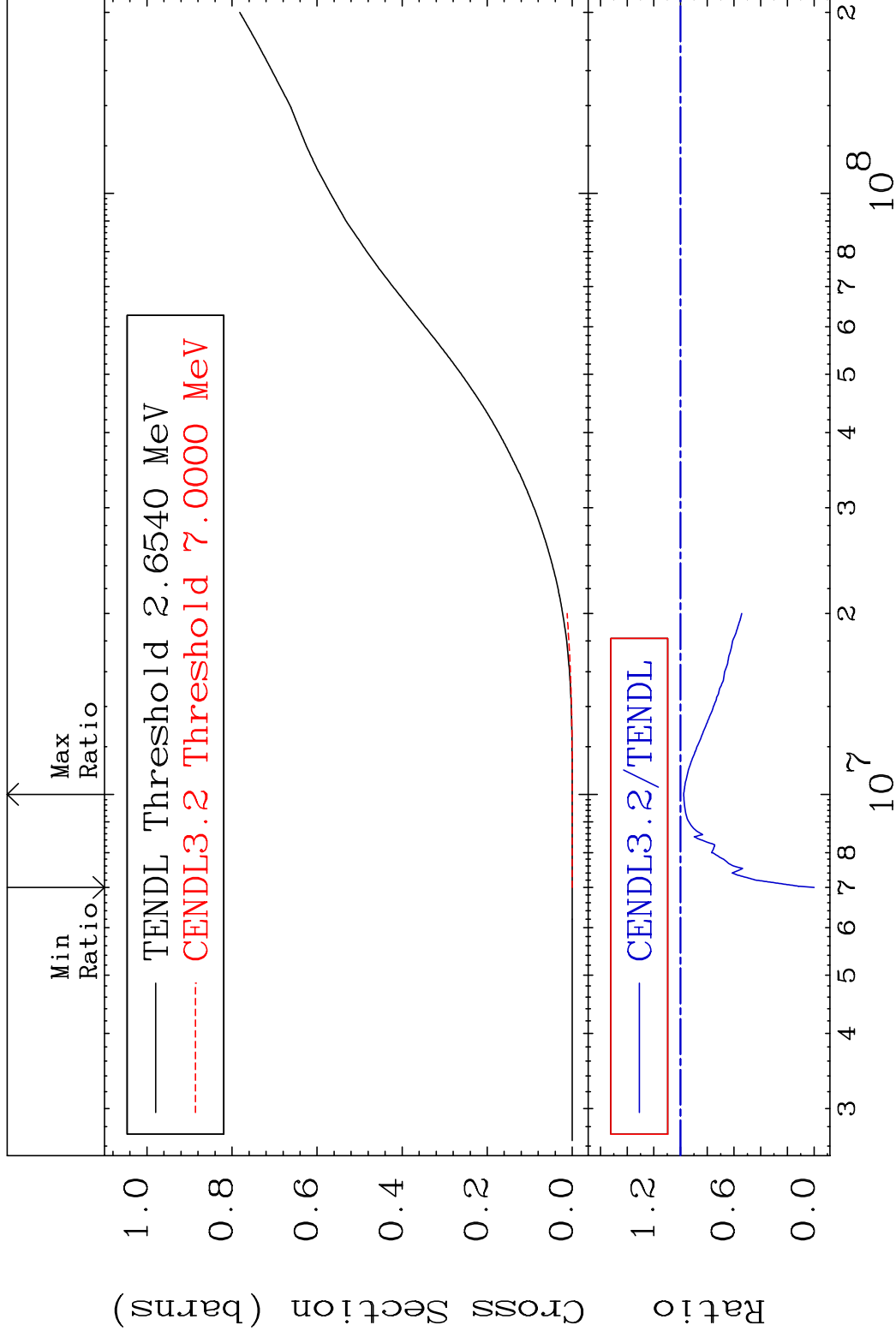
Cross Section -100.0 To 313.9 %



MAT 6443

Hydrogen Production 64-Gd-158

Cross Section -100.0 To -2.316%



31

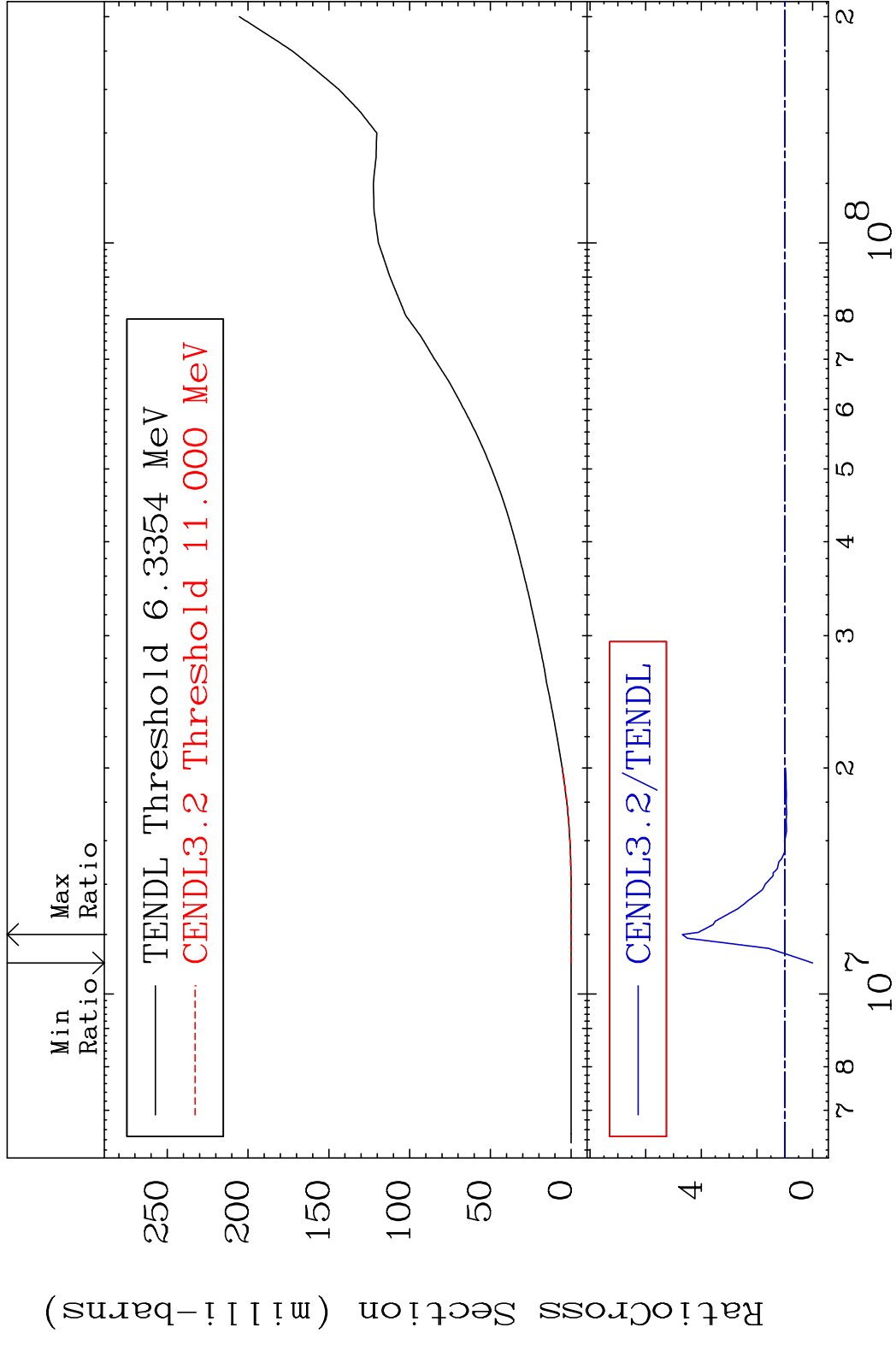
Incident Energy (eV)

64-Gd-158

MAT 6443

Deuterium Production 64-Gd-158

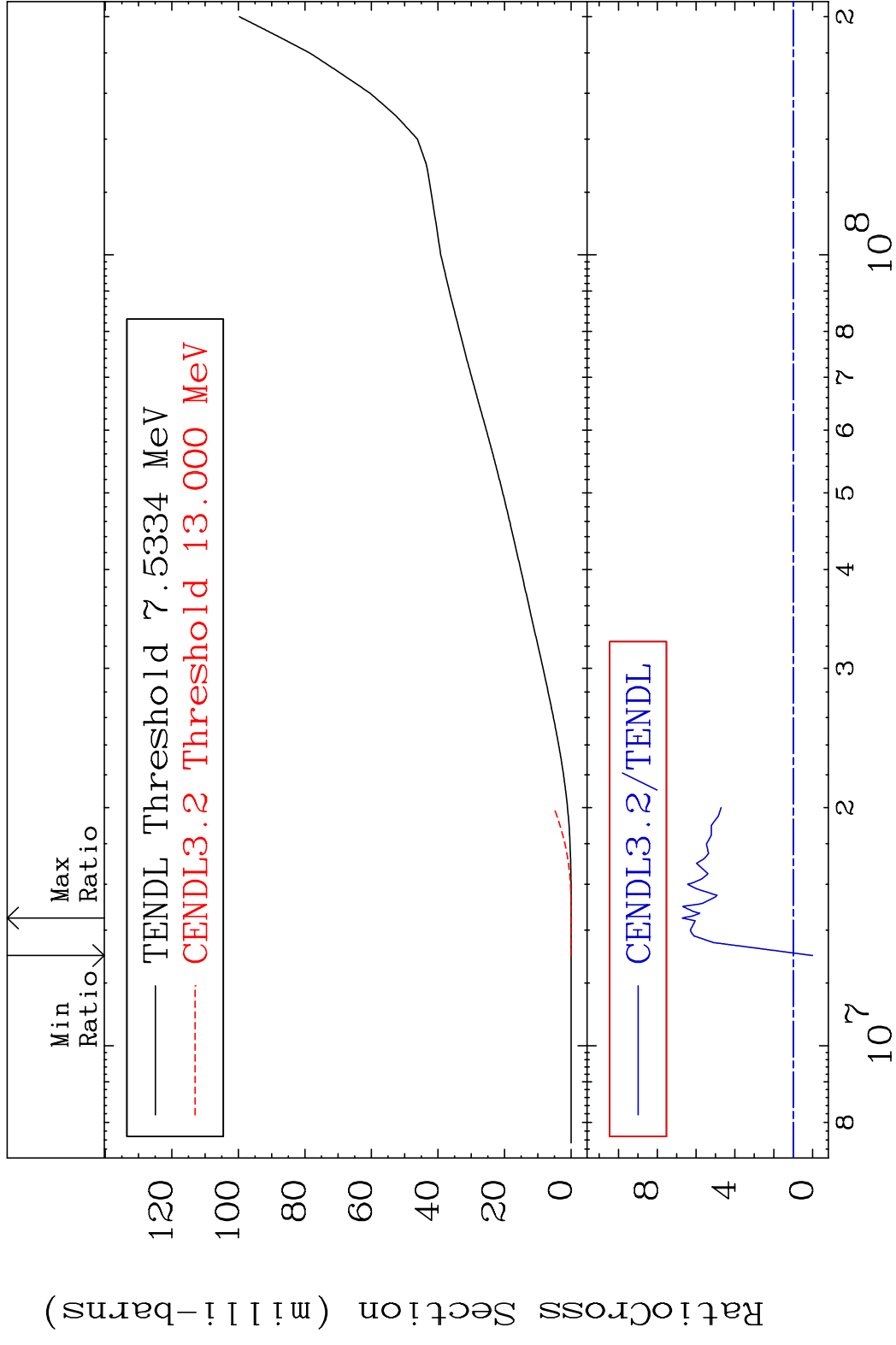
Cross Section -100.0 To 368.3 %



MAT 6443

Tritium Production 64-Gd-158

Cross Section -100.0 To 570.9 %

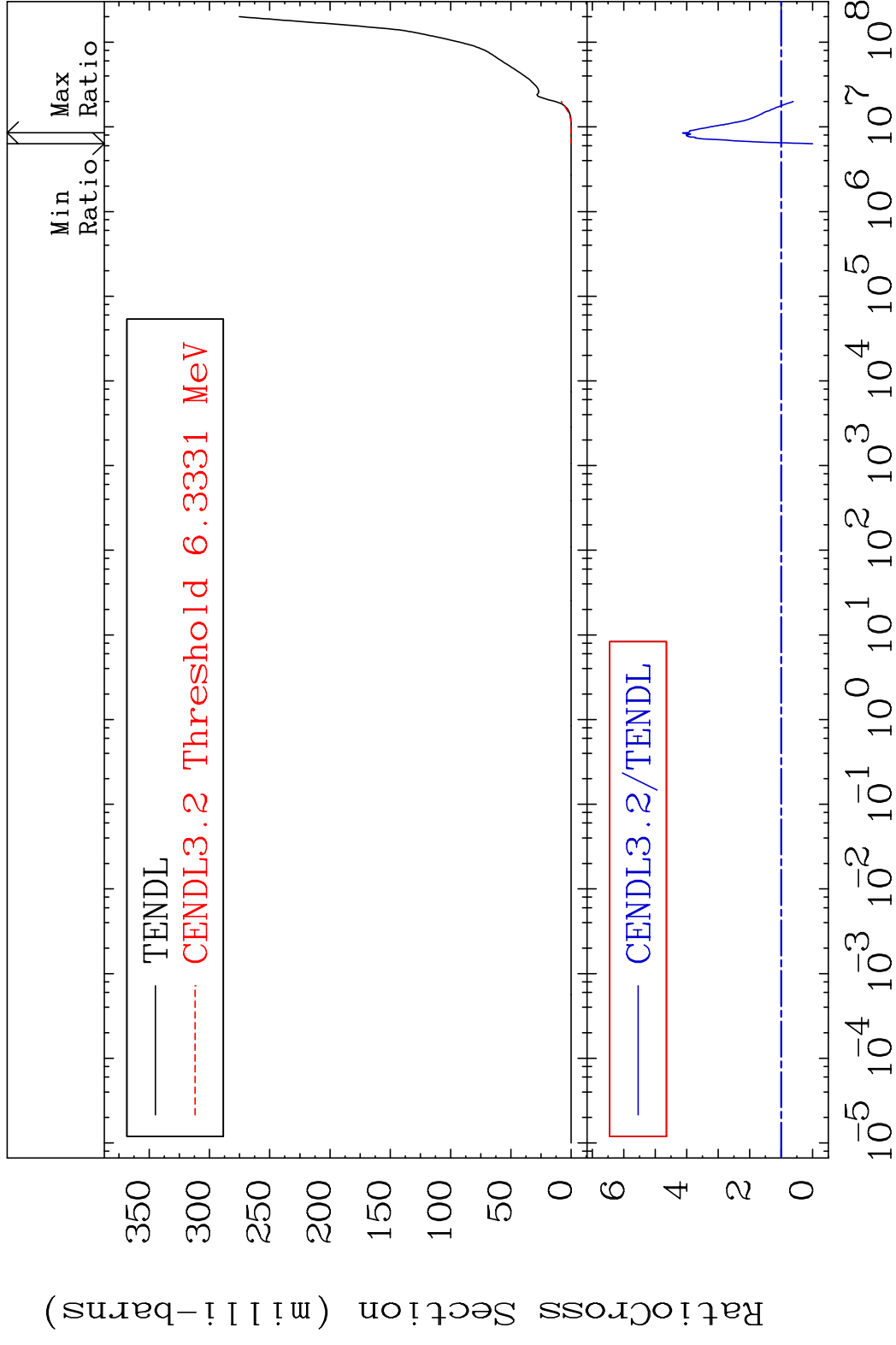


MAT 6443

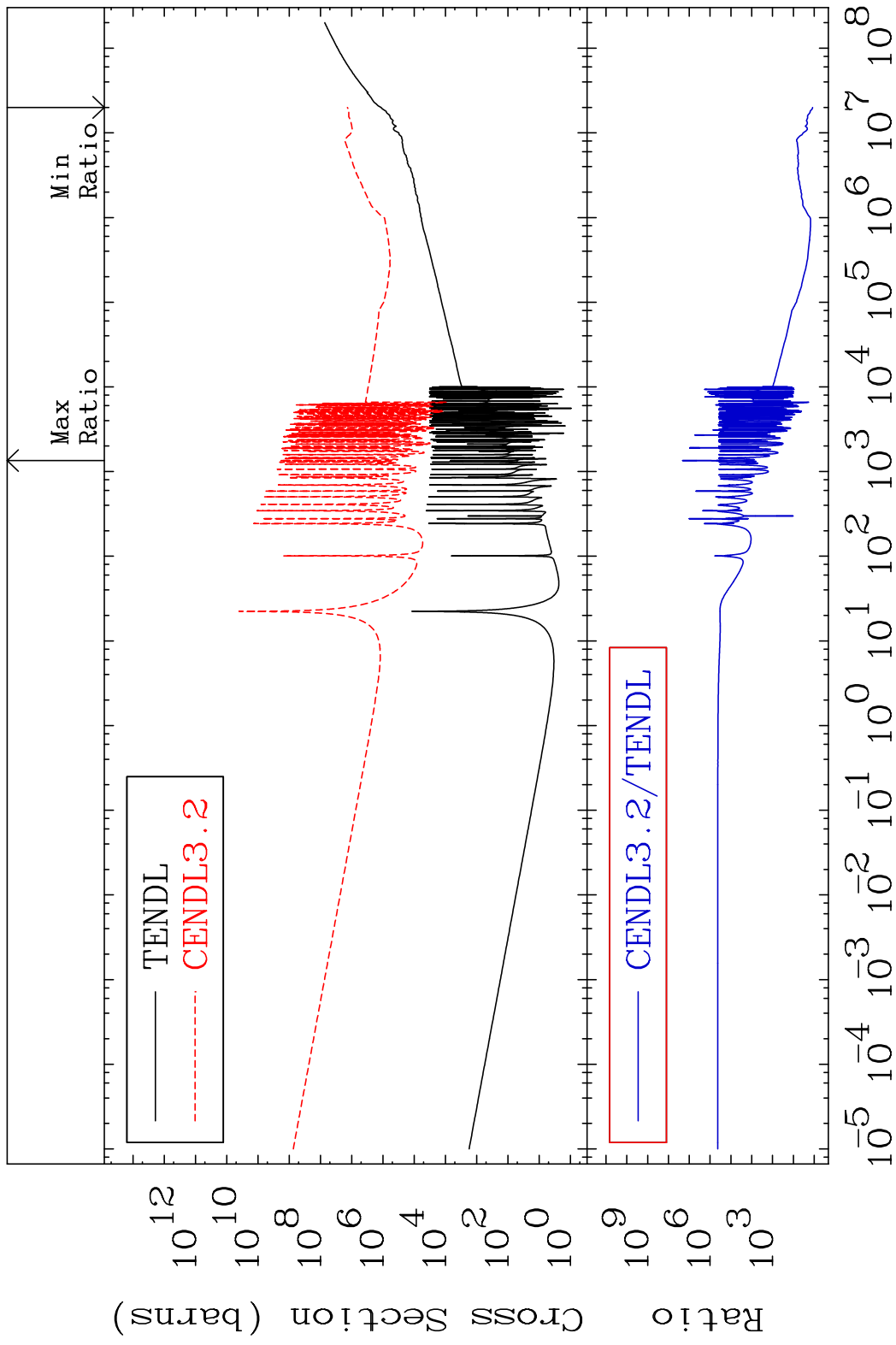
He-4 Production

64-Gd-158

Cross Section -100.0 To 313.7 %

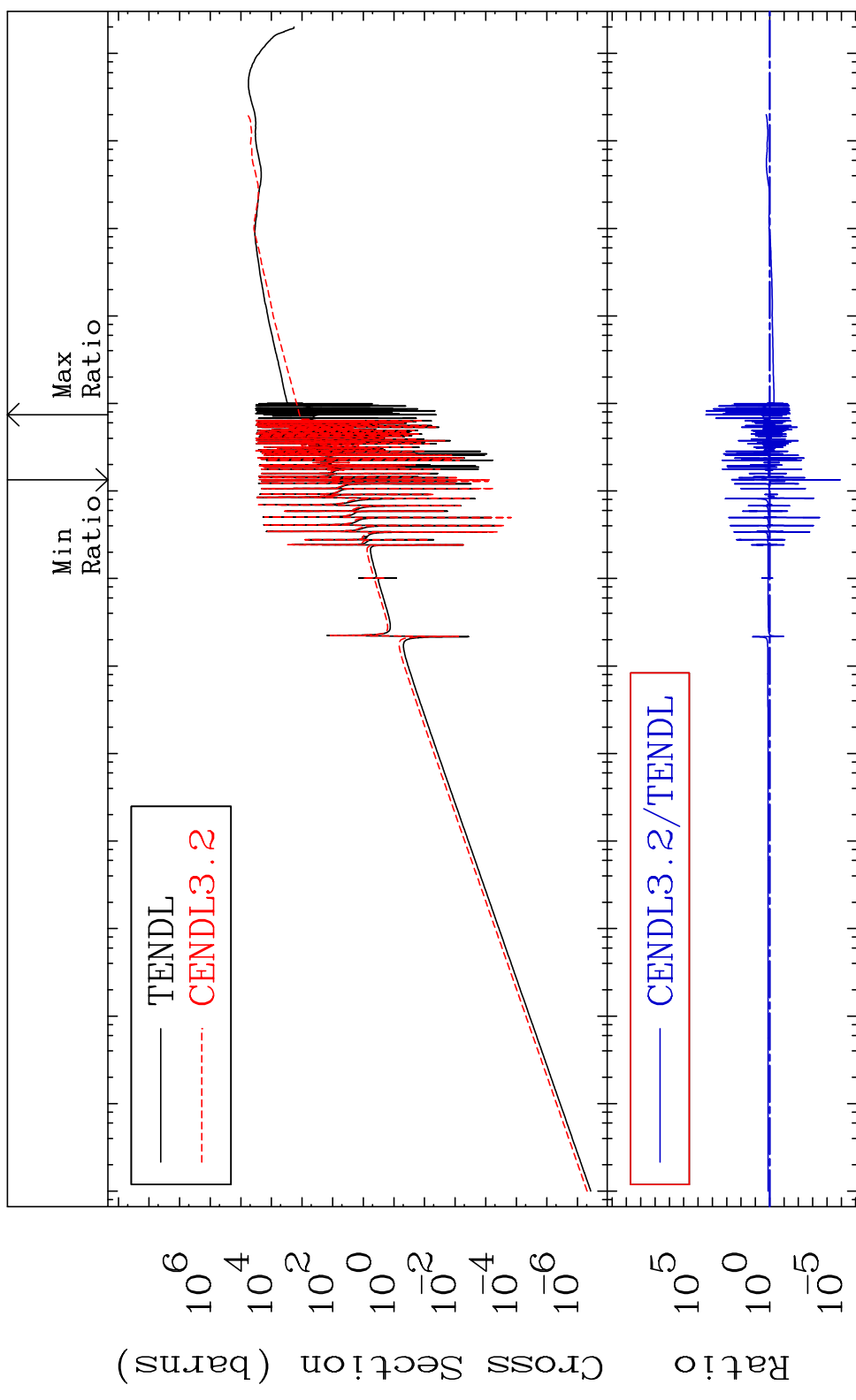


MAT 6443 Kerma total (eV-barns) 64-Gd-158
 Cross Section 1094. To 9999. %

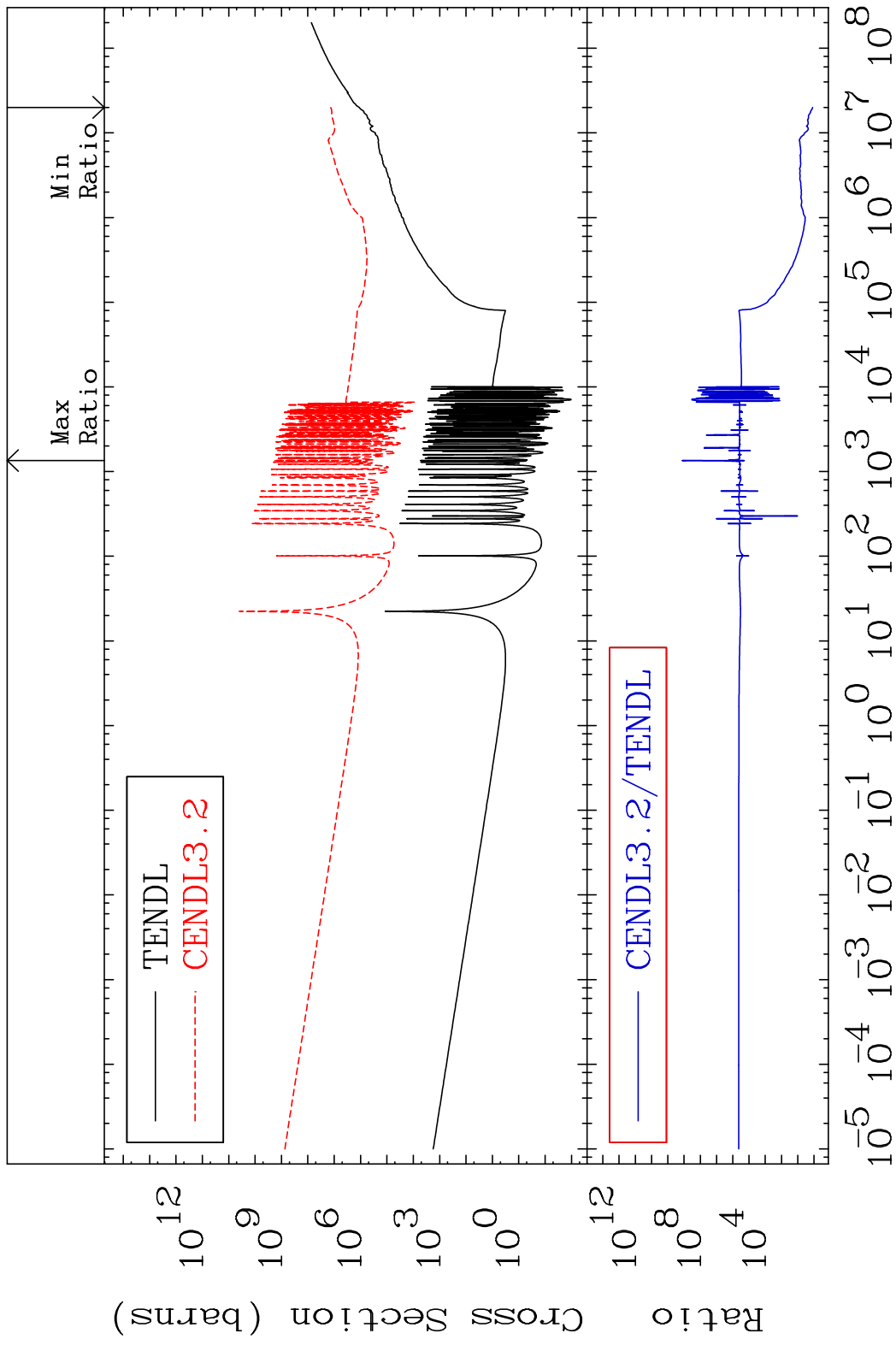


MAT 6443

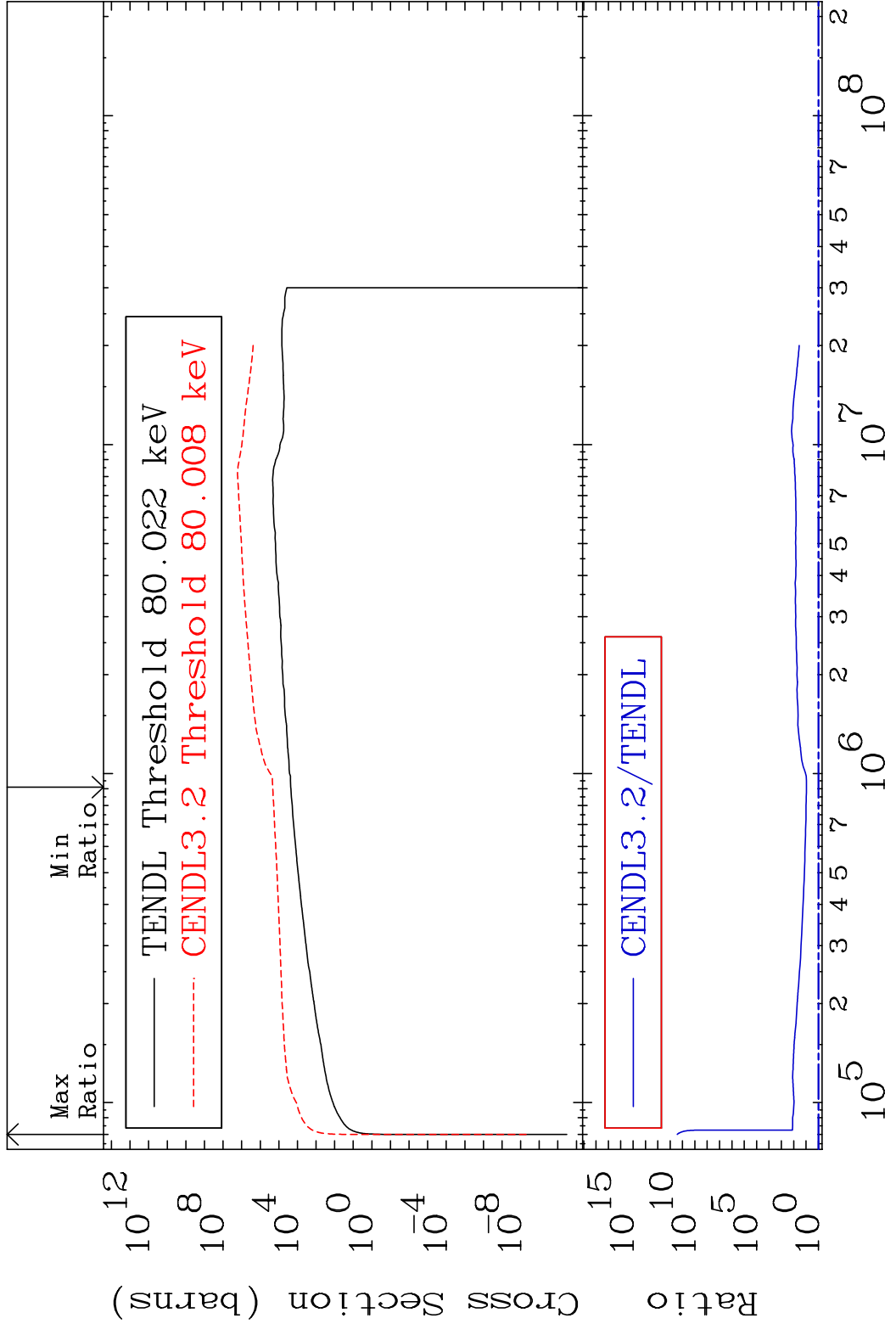
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-158



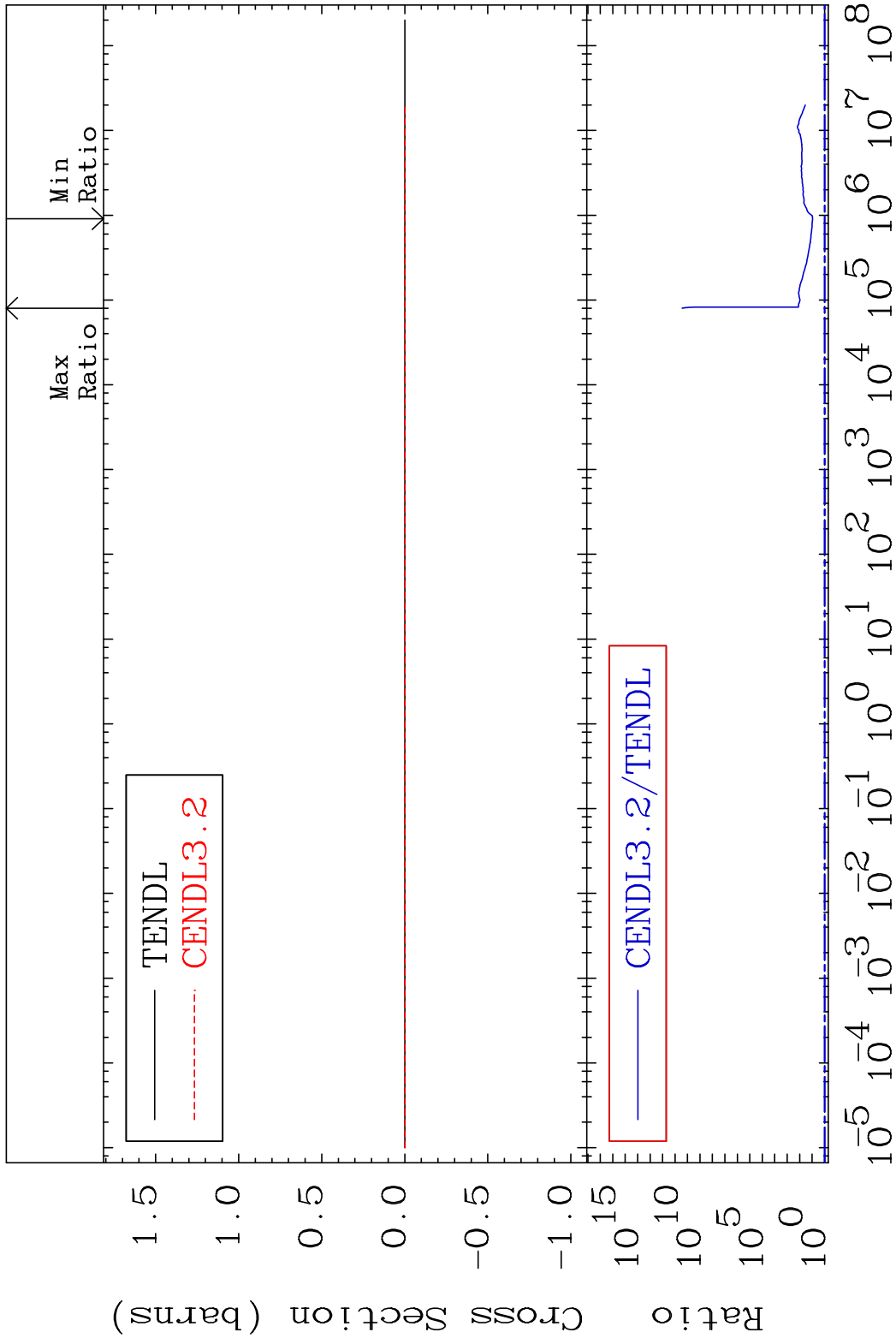
MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
 Cross Section 1126. To 9999. %



MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
 Cross Section 836.1 To 9999. %

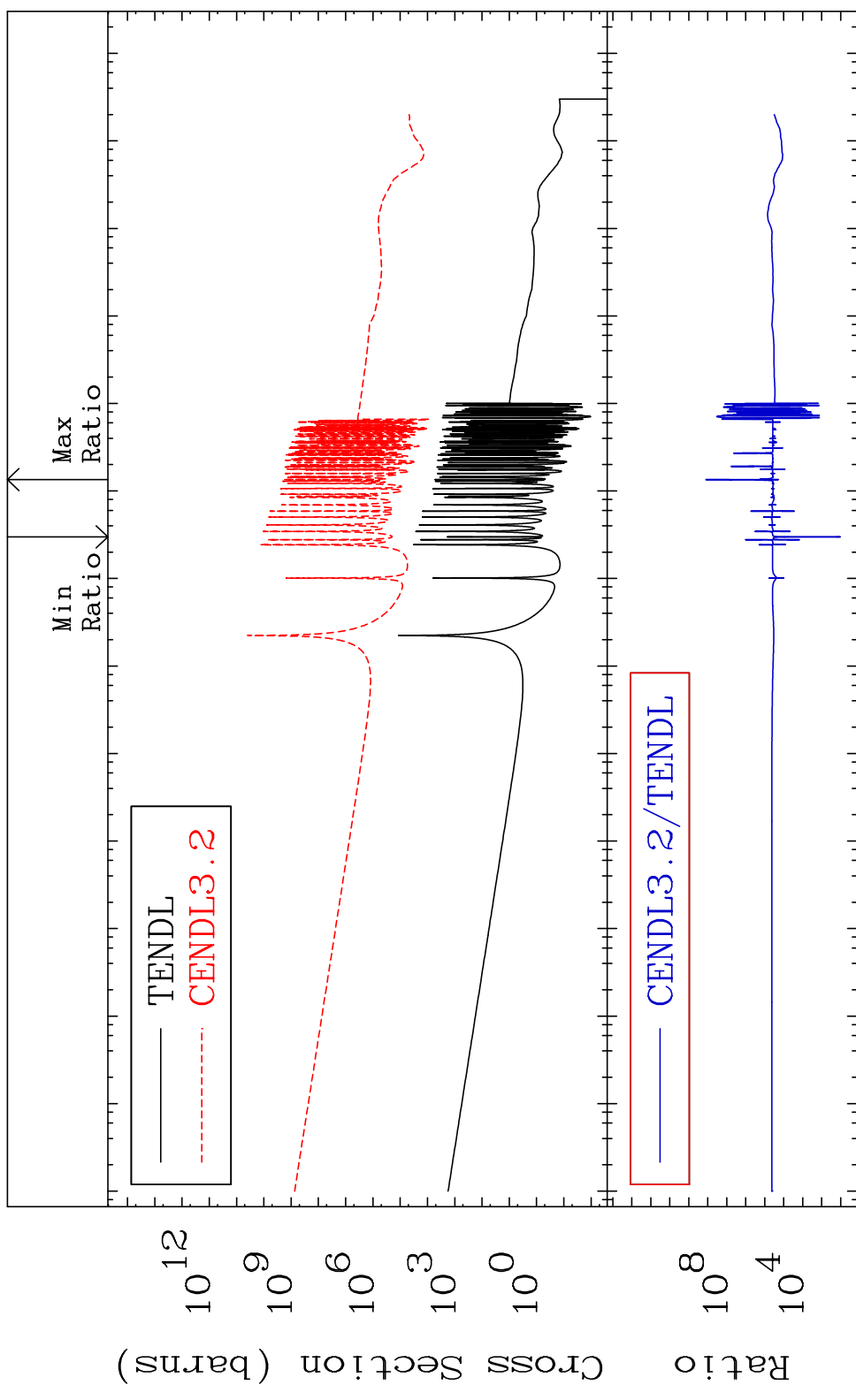


MAT 6443 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-158
 Cross Section 836.1 To 9999. %



MAT 6443

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

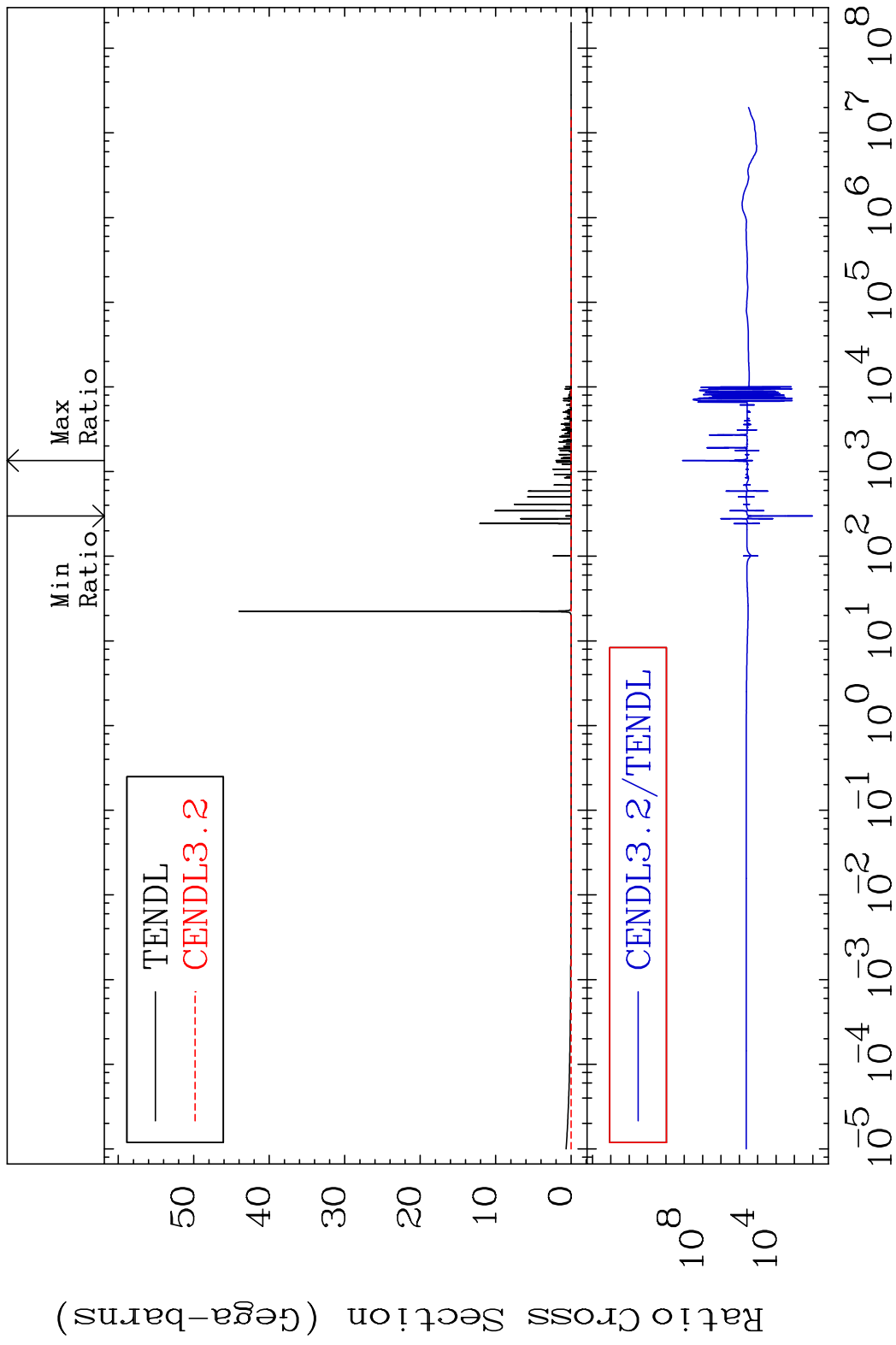


40

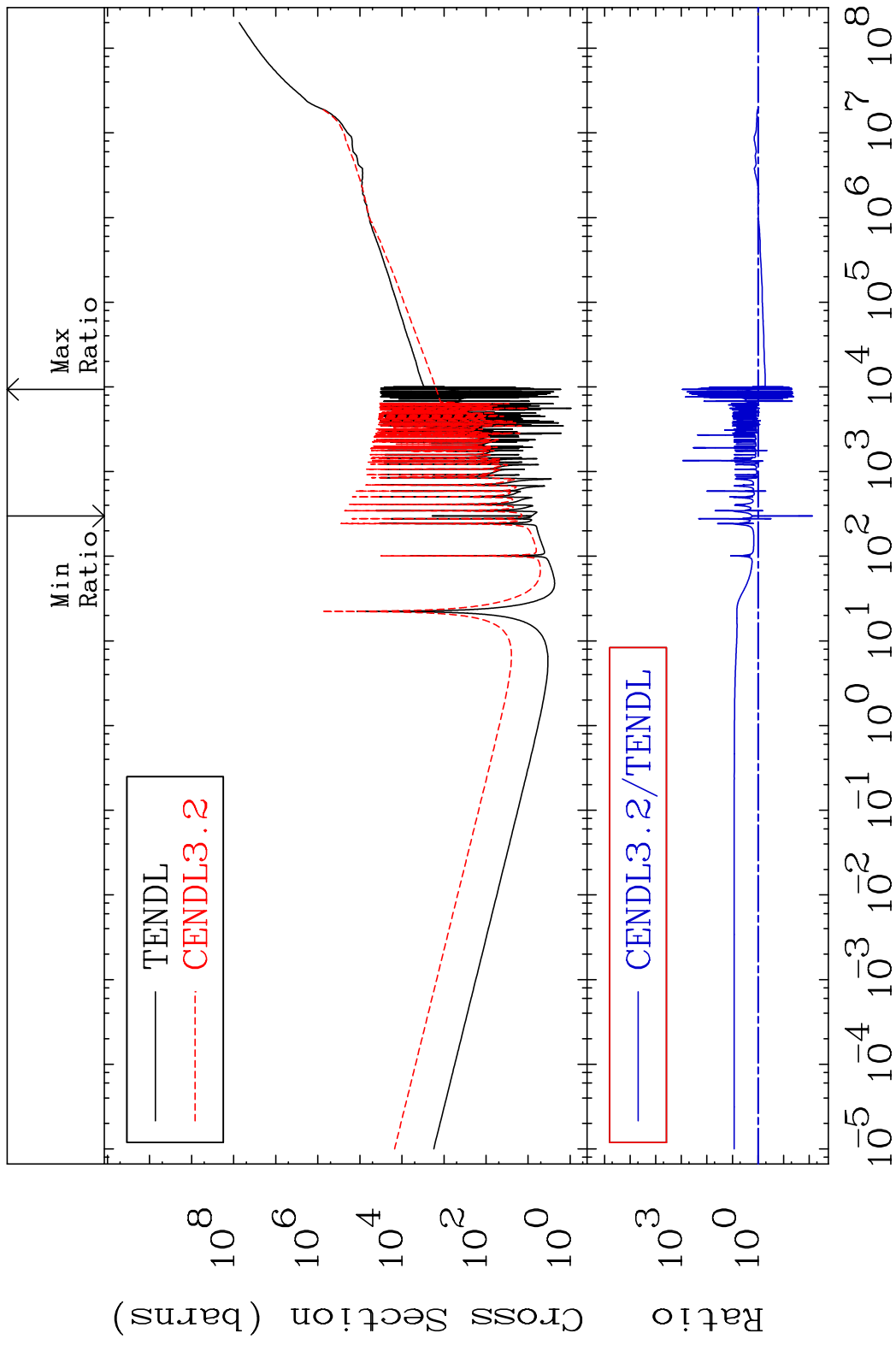
Incident Energy (eV)

64-Gd-158

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



MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
 Cross Section -99.26 To 9999. %

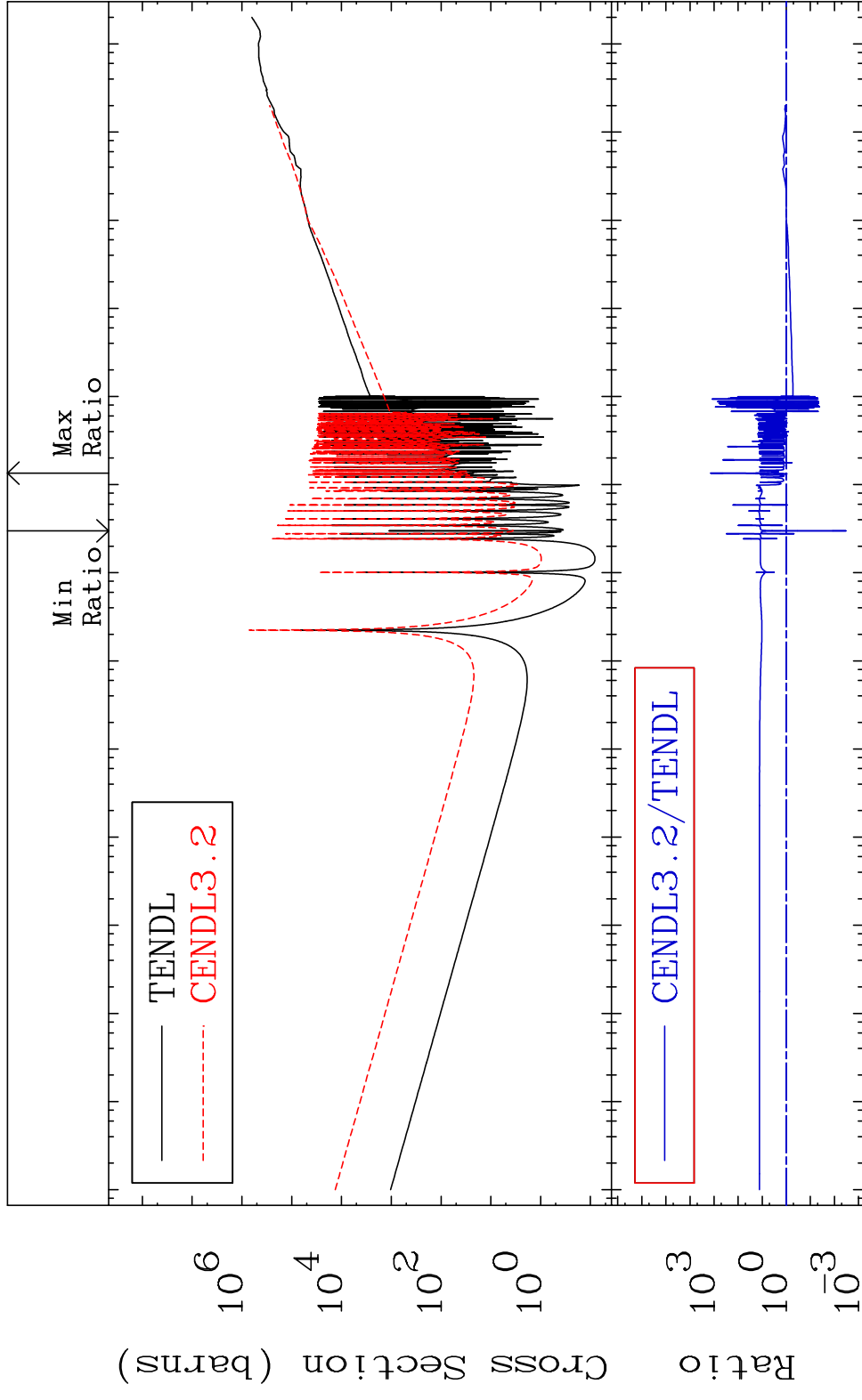


MAT 6443

Dpa total (eV-barns)

64-Gd-158

Cross Section -99.68 To 9999. %

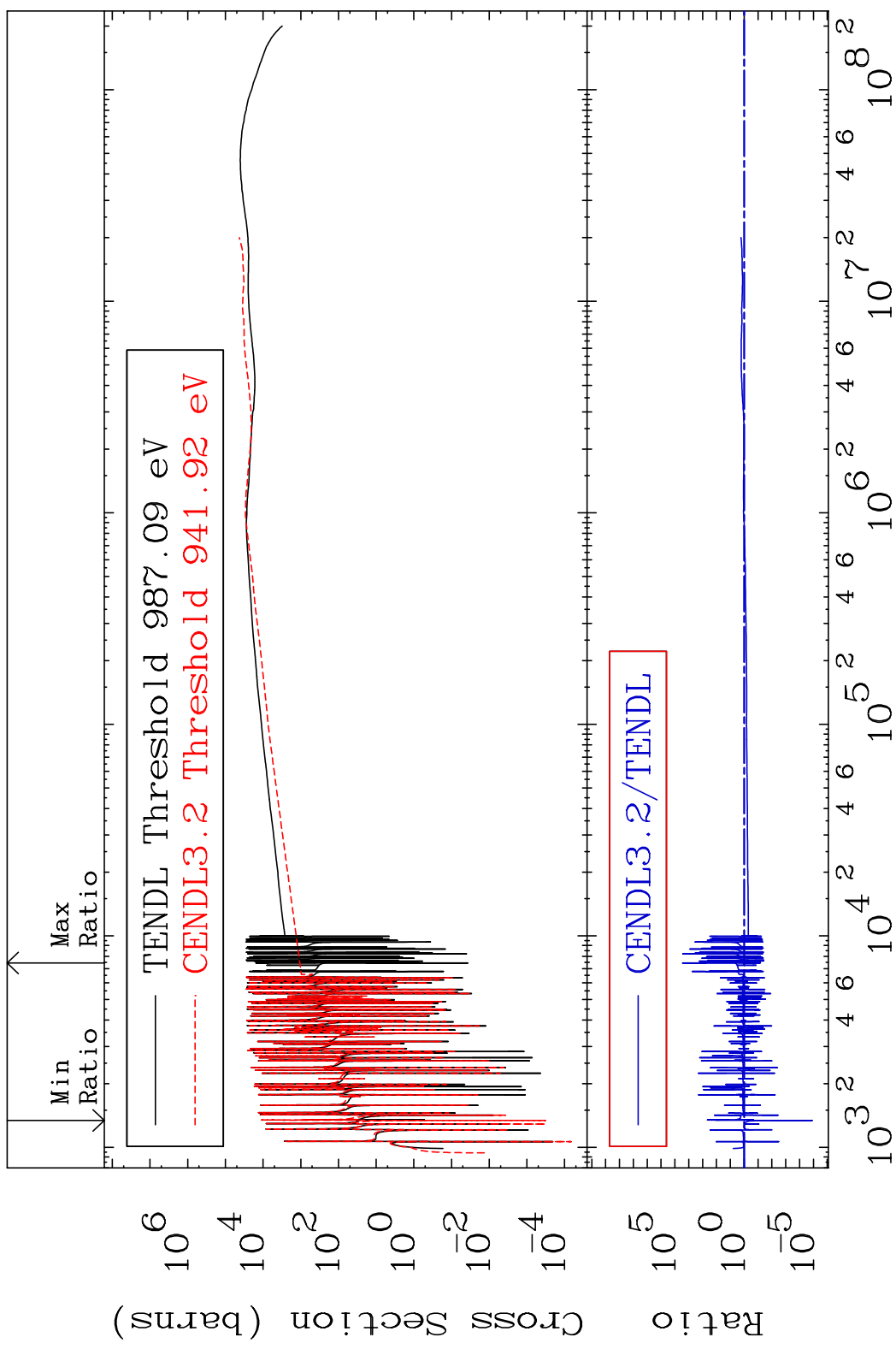


MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -100.0 To 9999. %



44

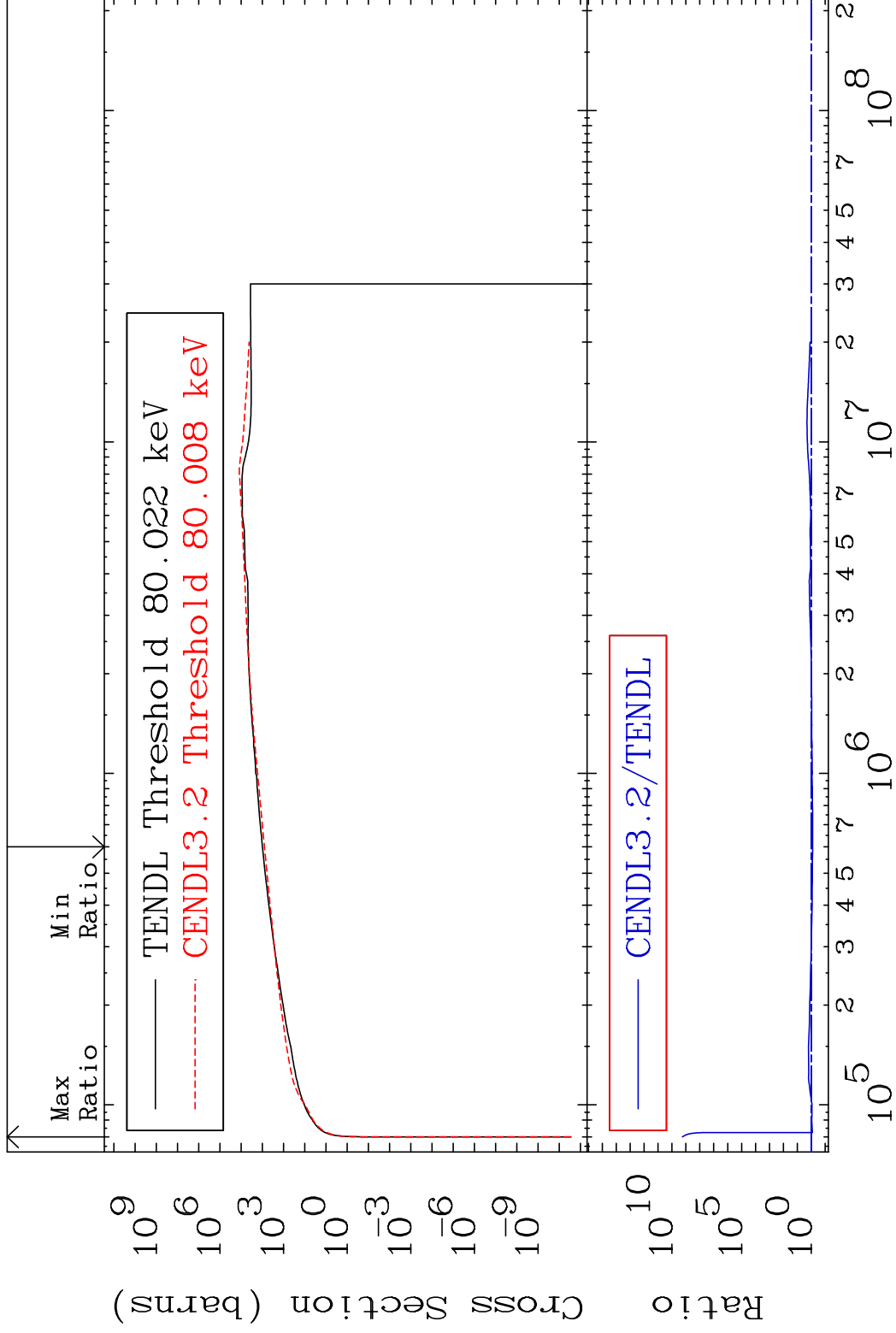
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91) 64-Gd-158

Cross Section -19.90 To 9999. %

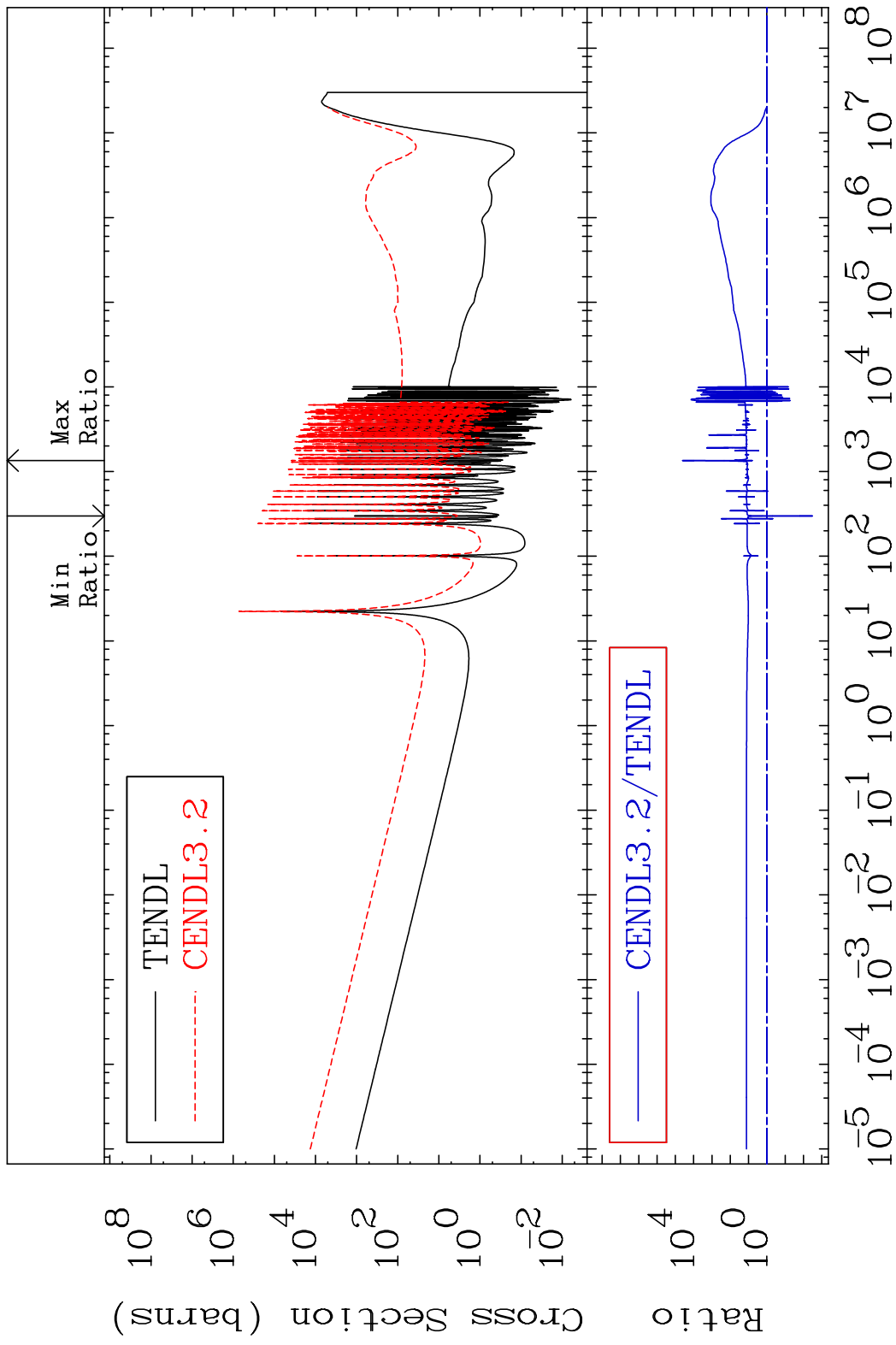


45

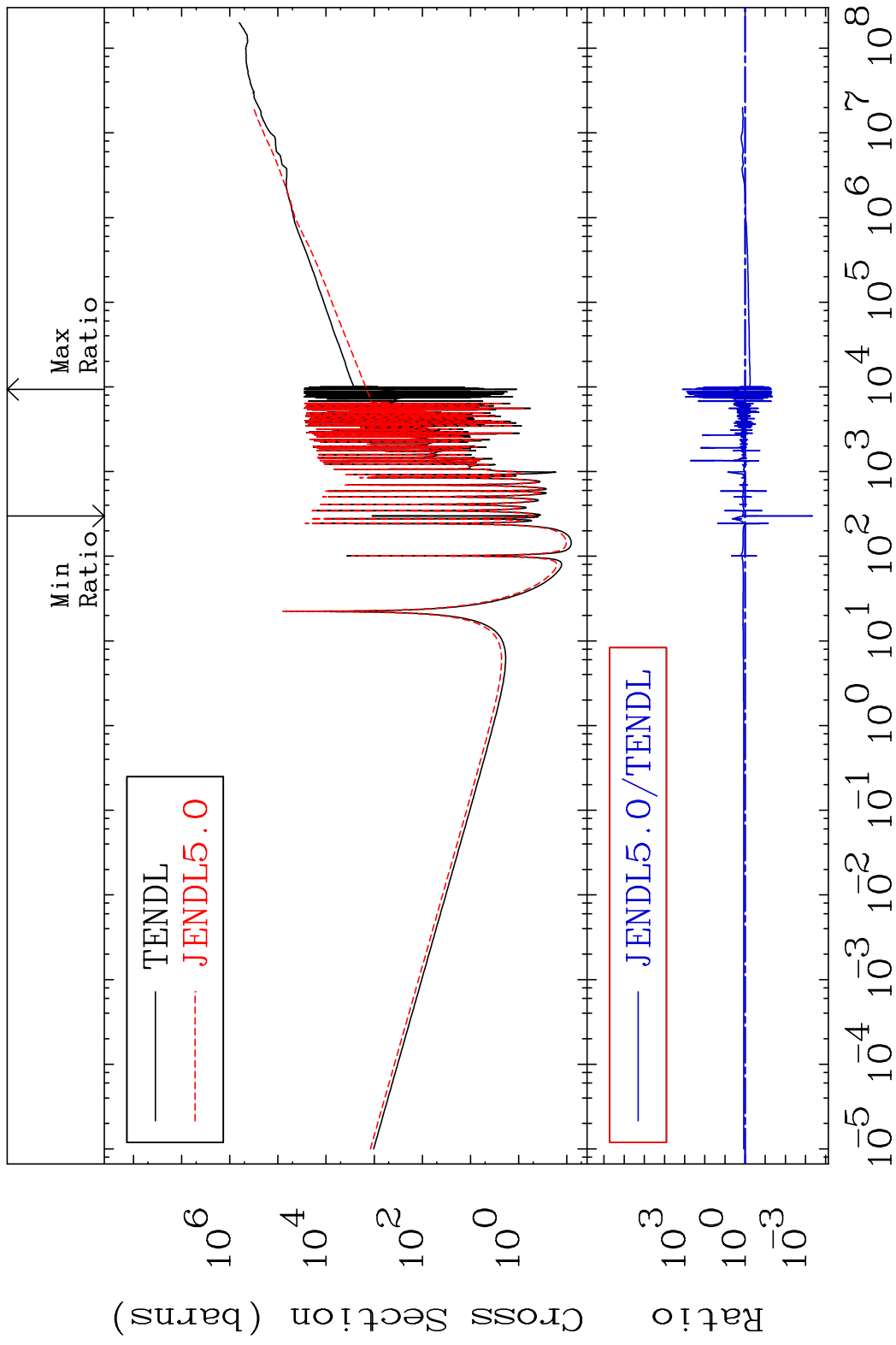
Incident Energy (eV)

64-Gd-158

MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
 Cross Section -99.68 To 9999. %



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

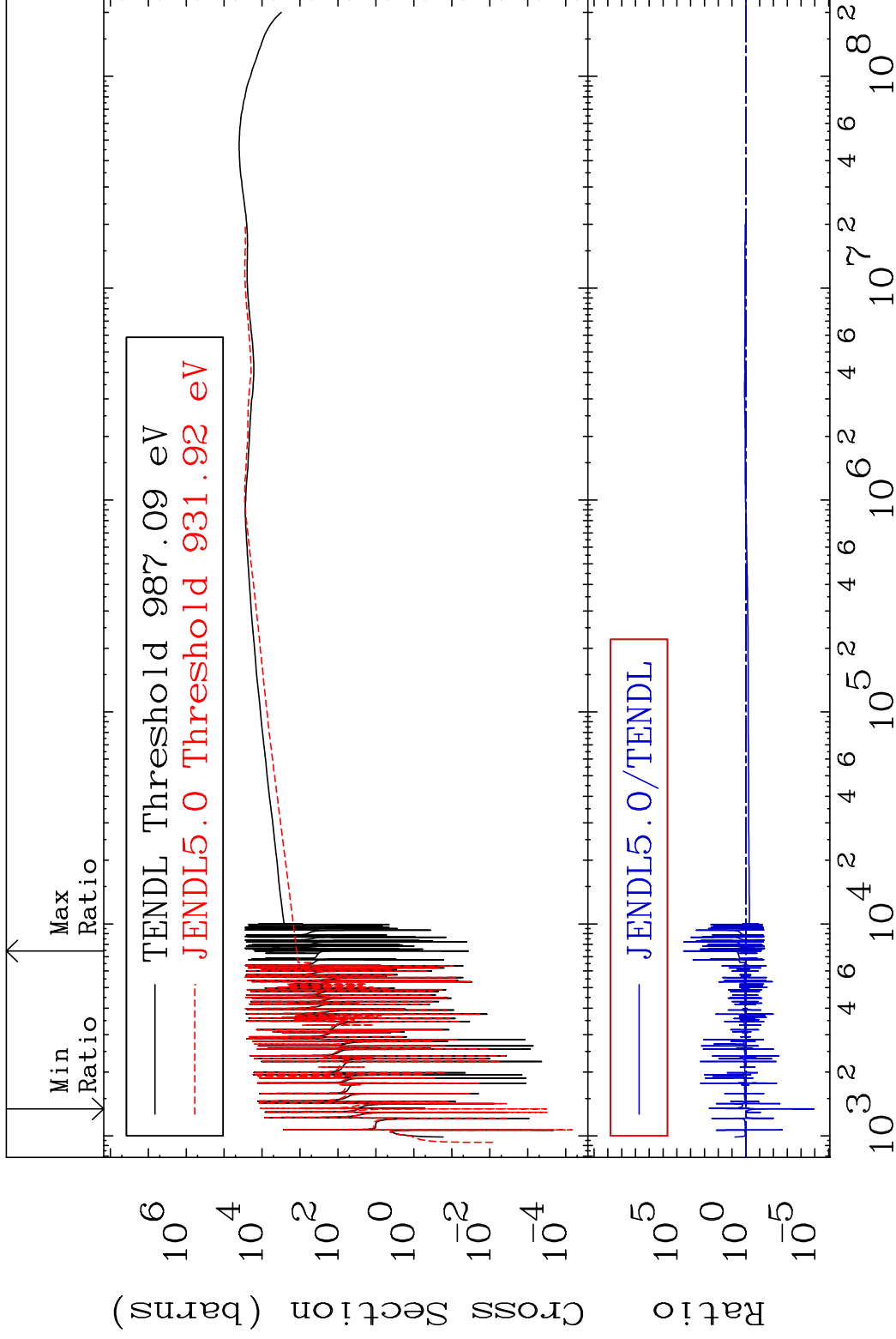


MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -100.0 To 9999. %



48

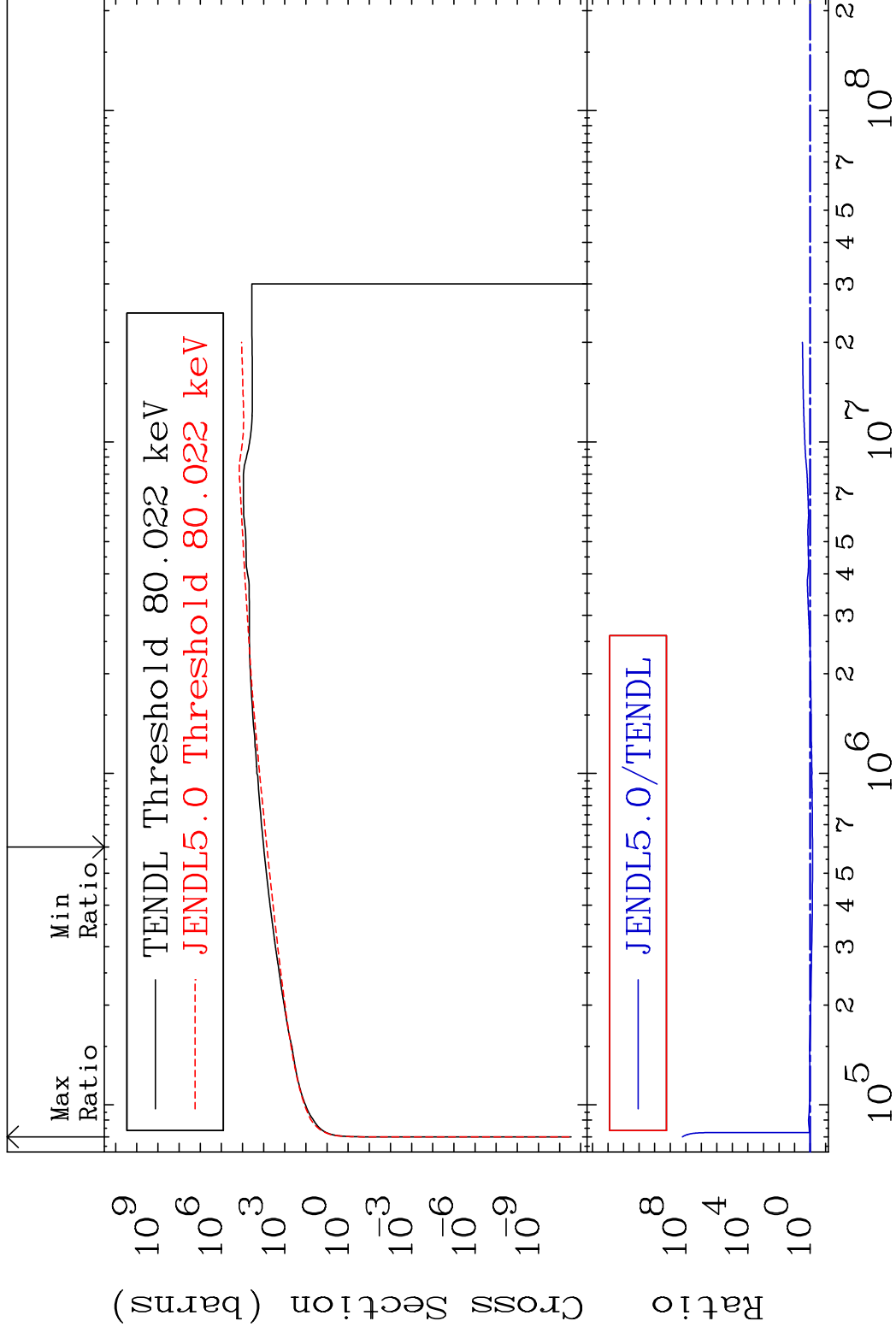
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91) 64-Gd-158

Cross Section -30.20 To 9999. %

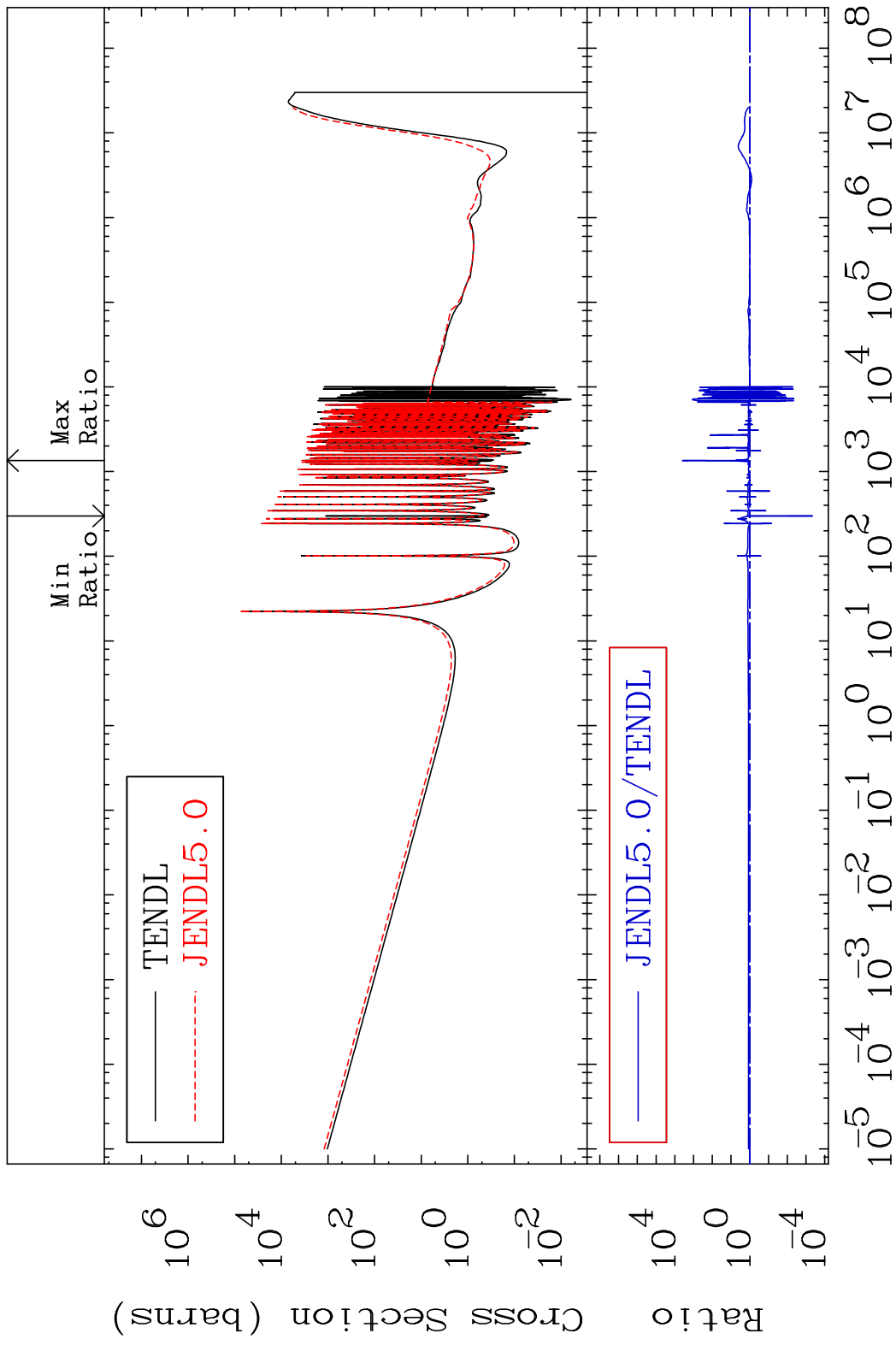


49

Incident Energy (eV)

64-Gd-158

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



50 Incident Energy (eV) 64-Gd-158