

Program Complot
(Version 2021-1)

by

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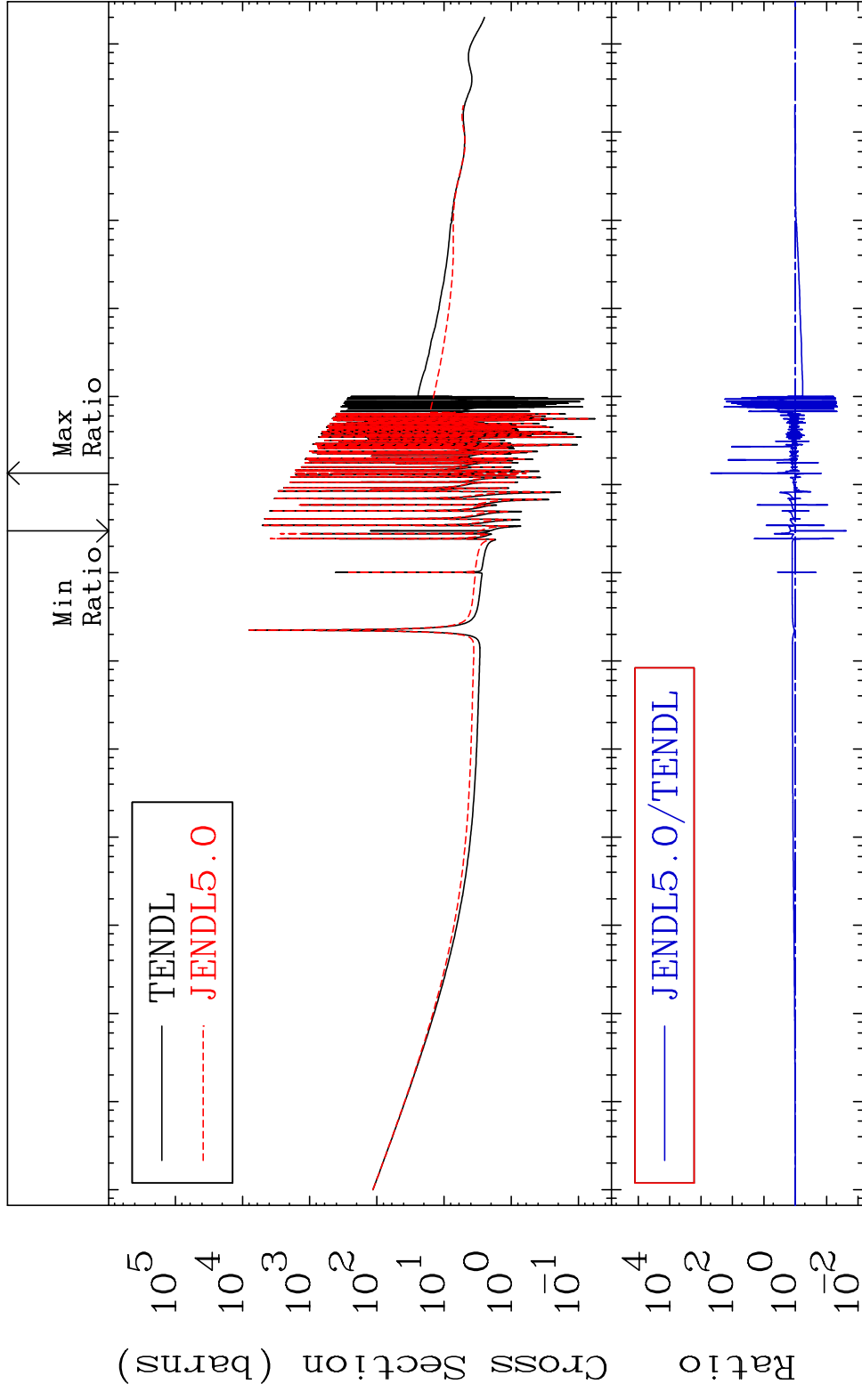
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6443

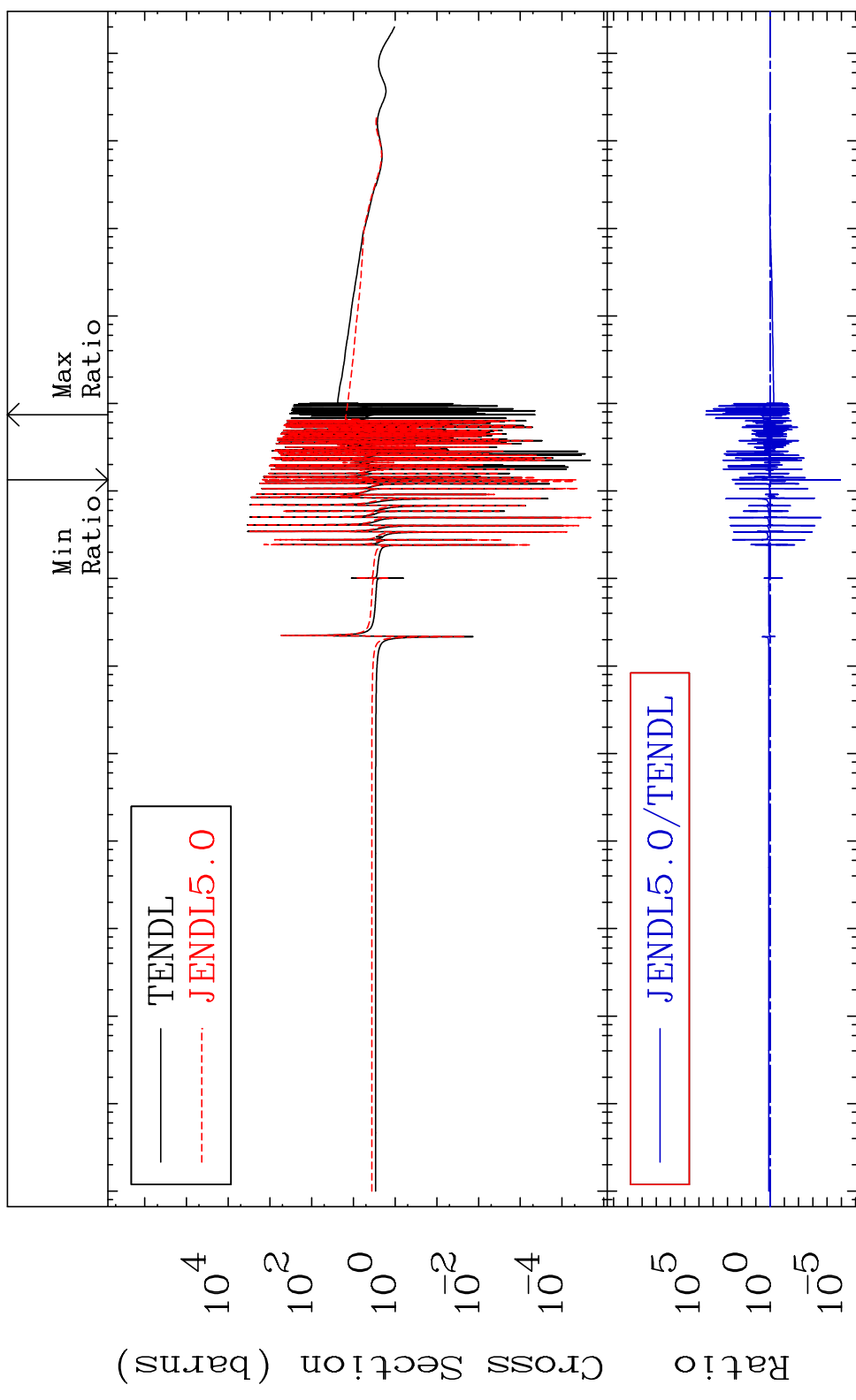
Total Cross Section -97.63 To 9999. %

64-Gd-158



MAT 6443

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



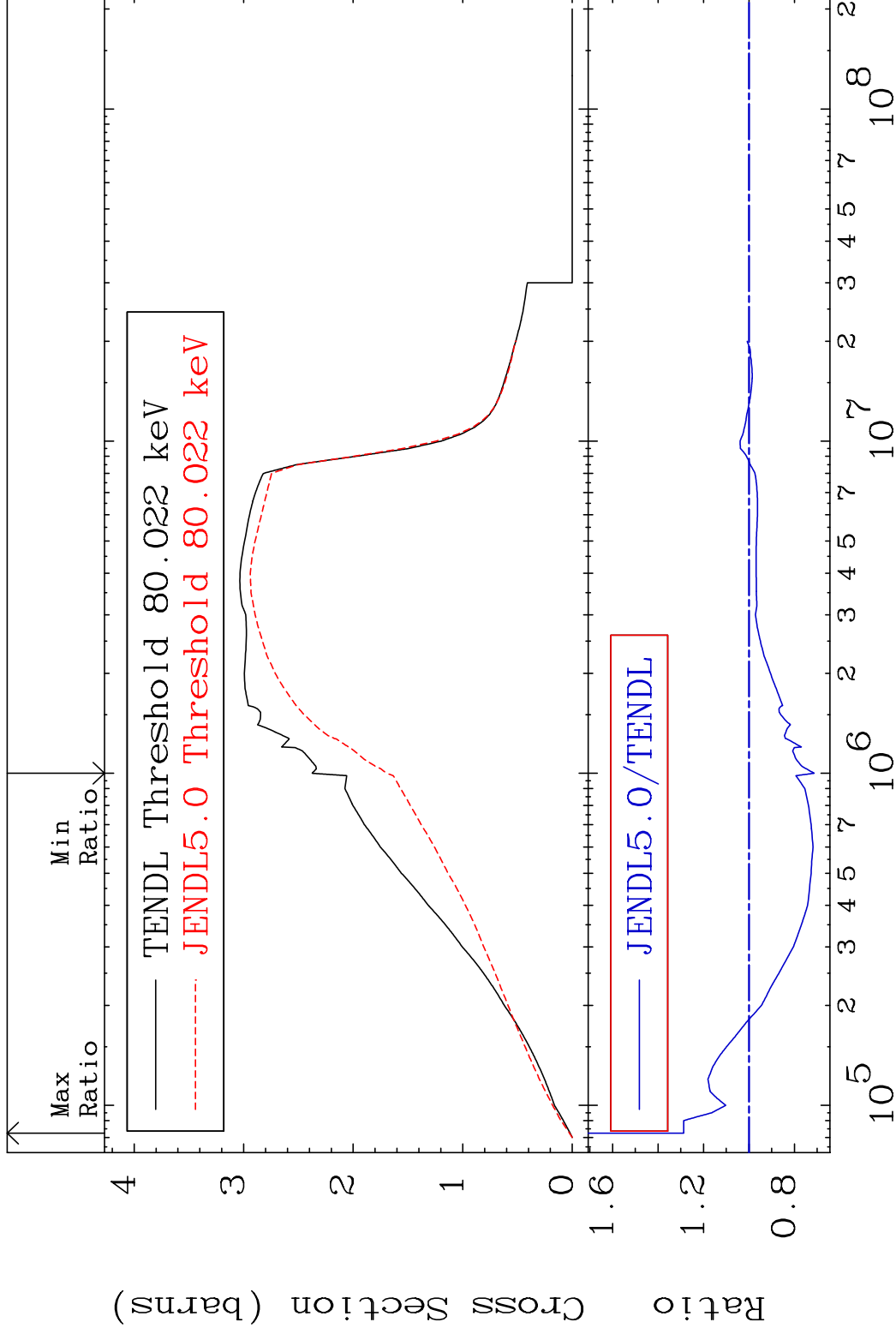
MAT 6443

Inelastic

64-Gd-158

Cross Section

-28.63 To 28.75 %



3

Incident Energy (eV)

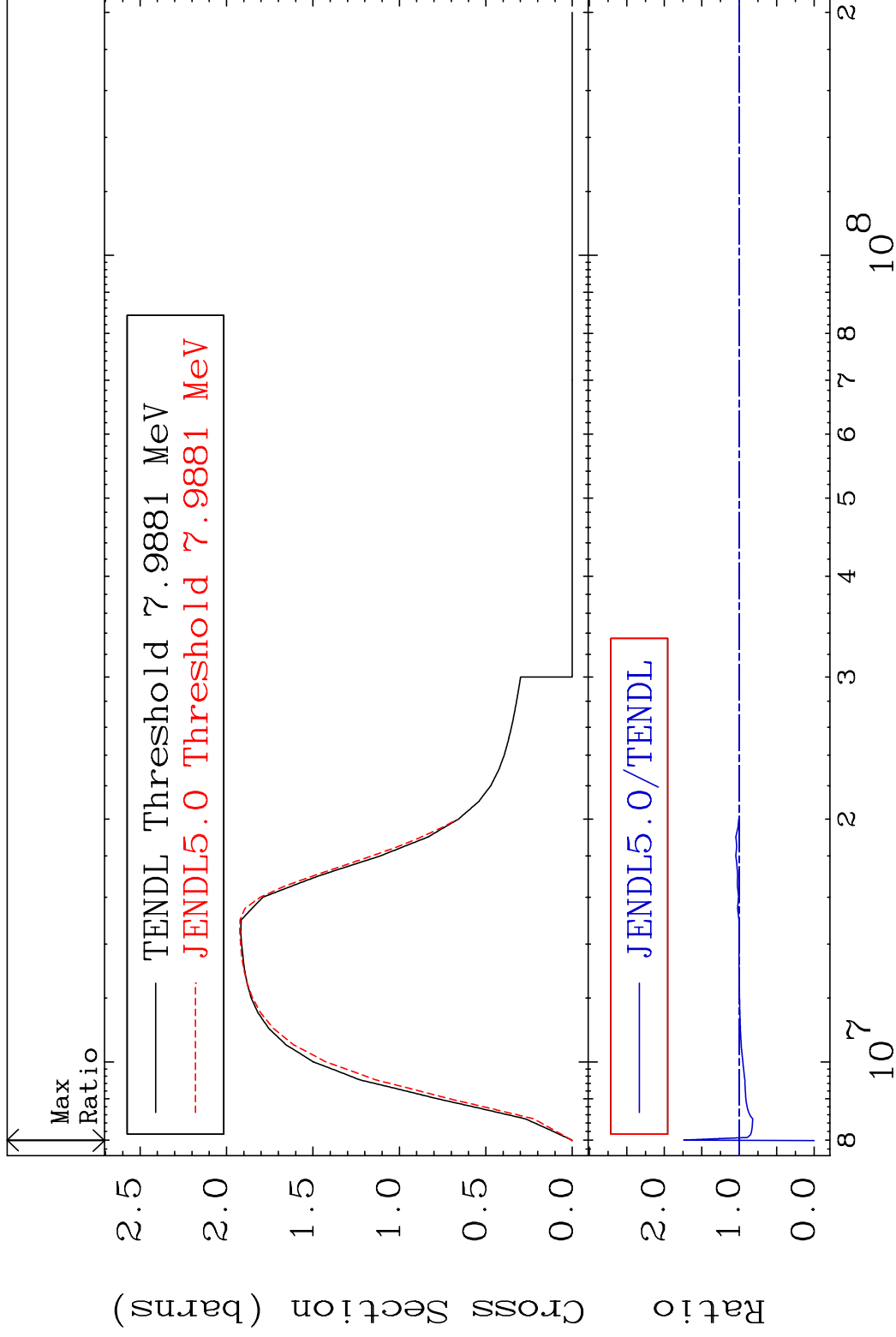
64-Gd-158

MAT 6443

(n,2n)

64-Gd-158

Cross Section -100.0 To 74.18 %



4

Incident Energy (eV)

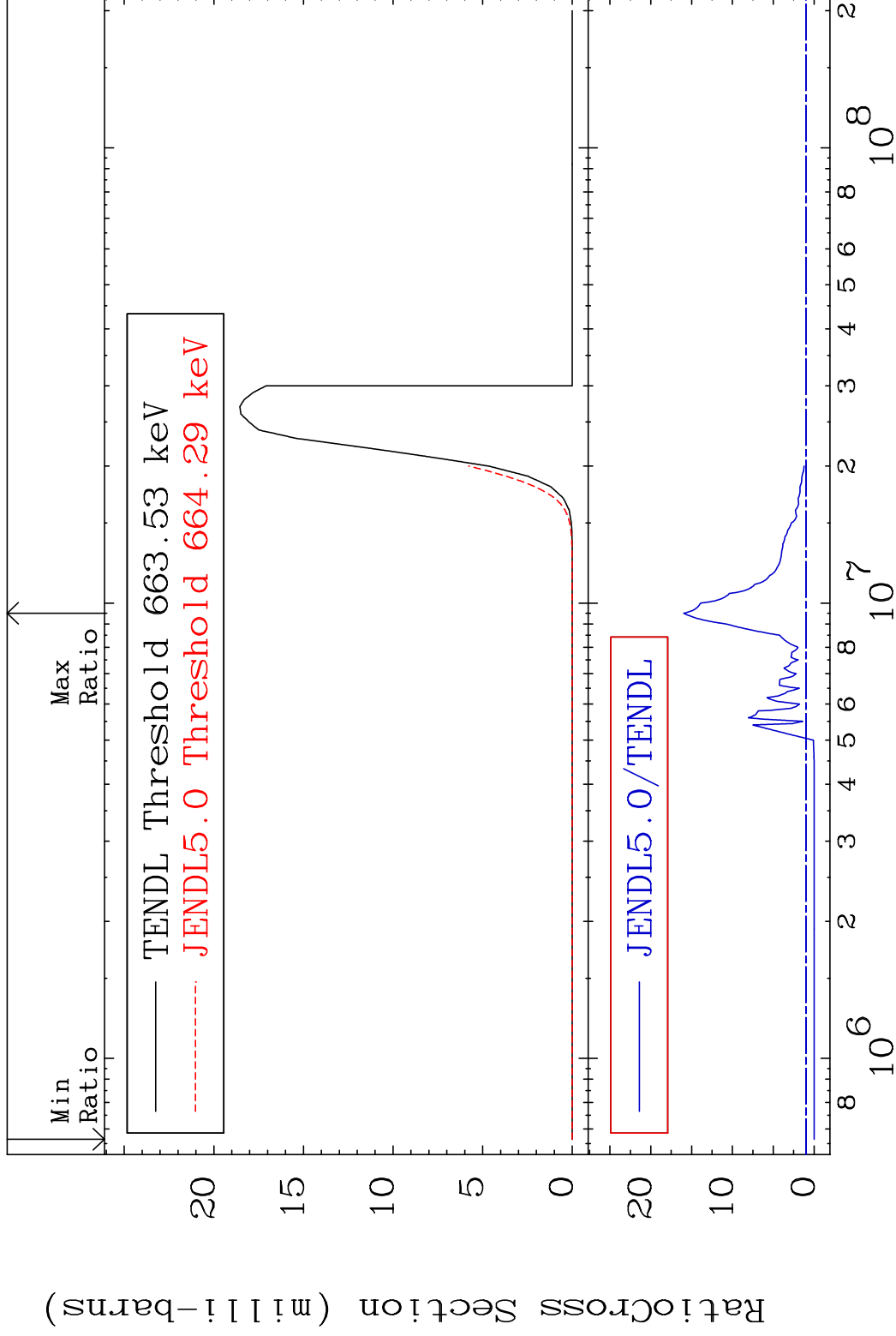
64-Gd-158

MAT 6443

(n, n') α

64-Gd-158

Cross Section -100.0 To 1498. %



6

Incident Energy (eV)

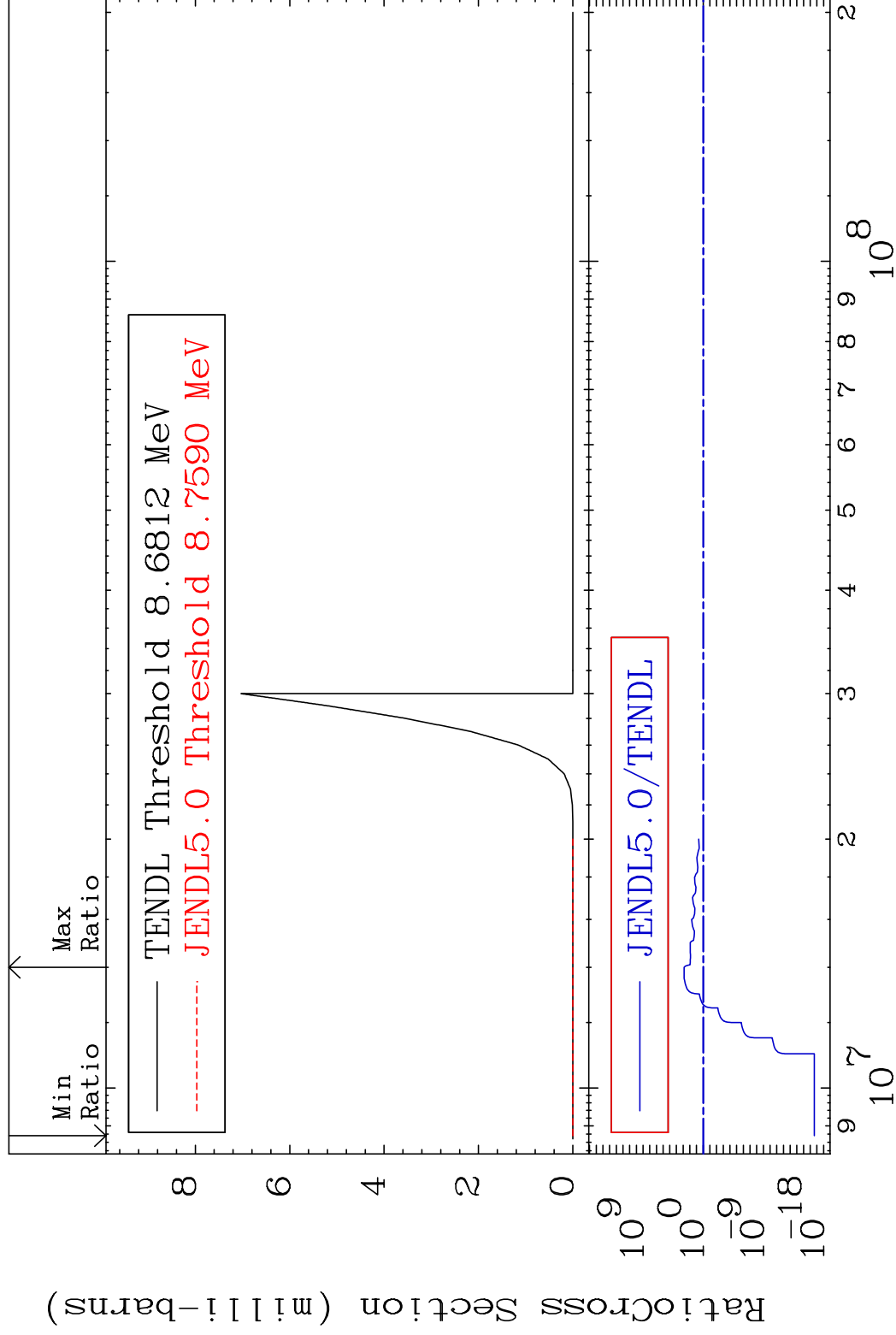
64-Gd-158

MAT 6443

(n,2n) α

64-Gd-158

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

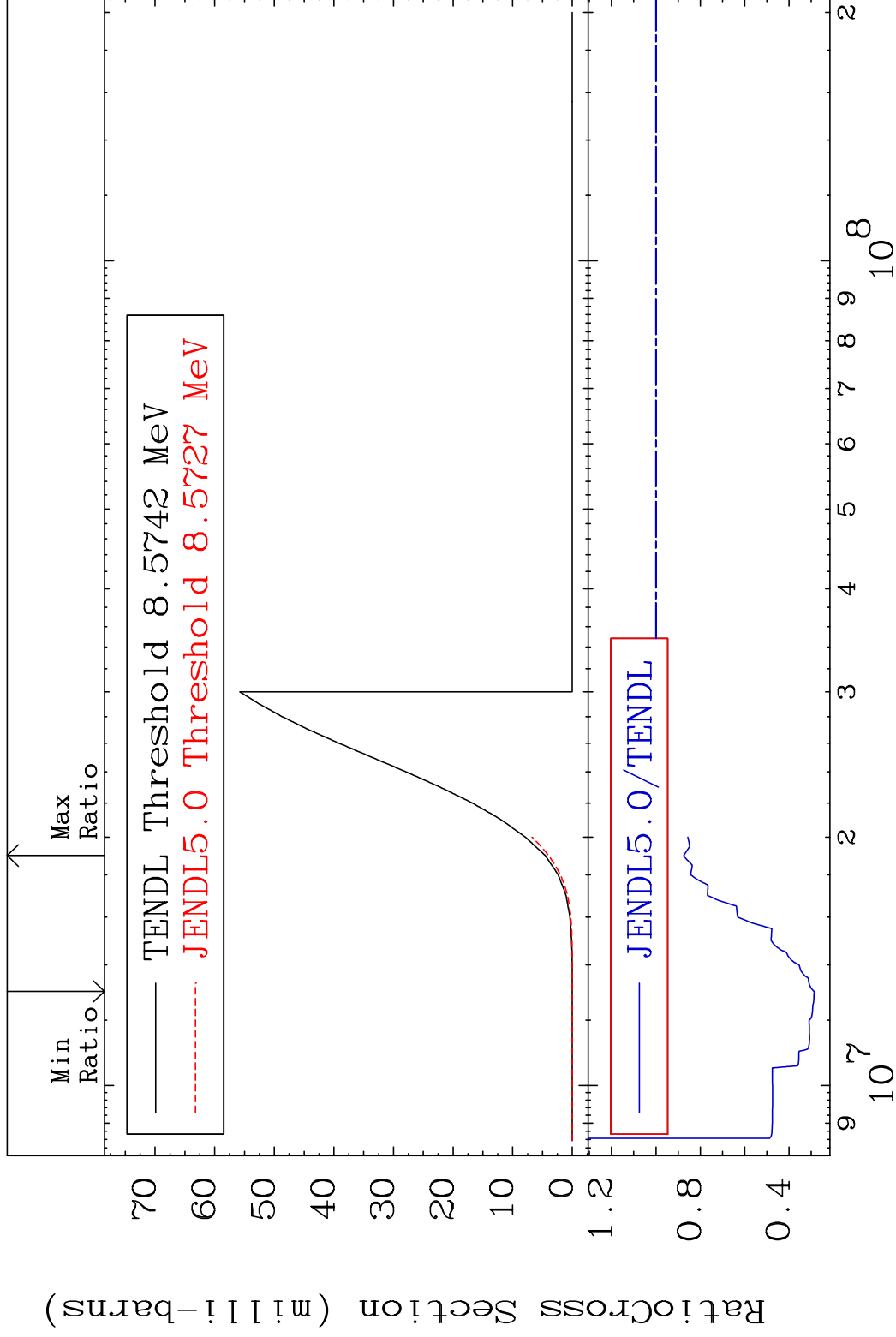
64-Gd-158

MAT 6443

(n, n') p

64-Gd-158

Cross Section -71.34 To -12.50%



8

Incident Energy (eV)

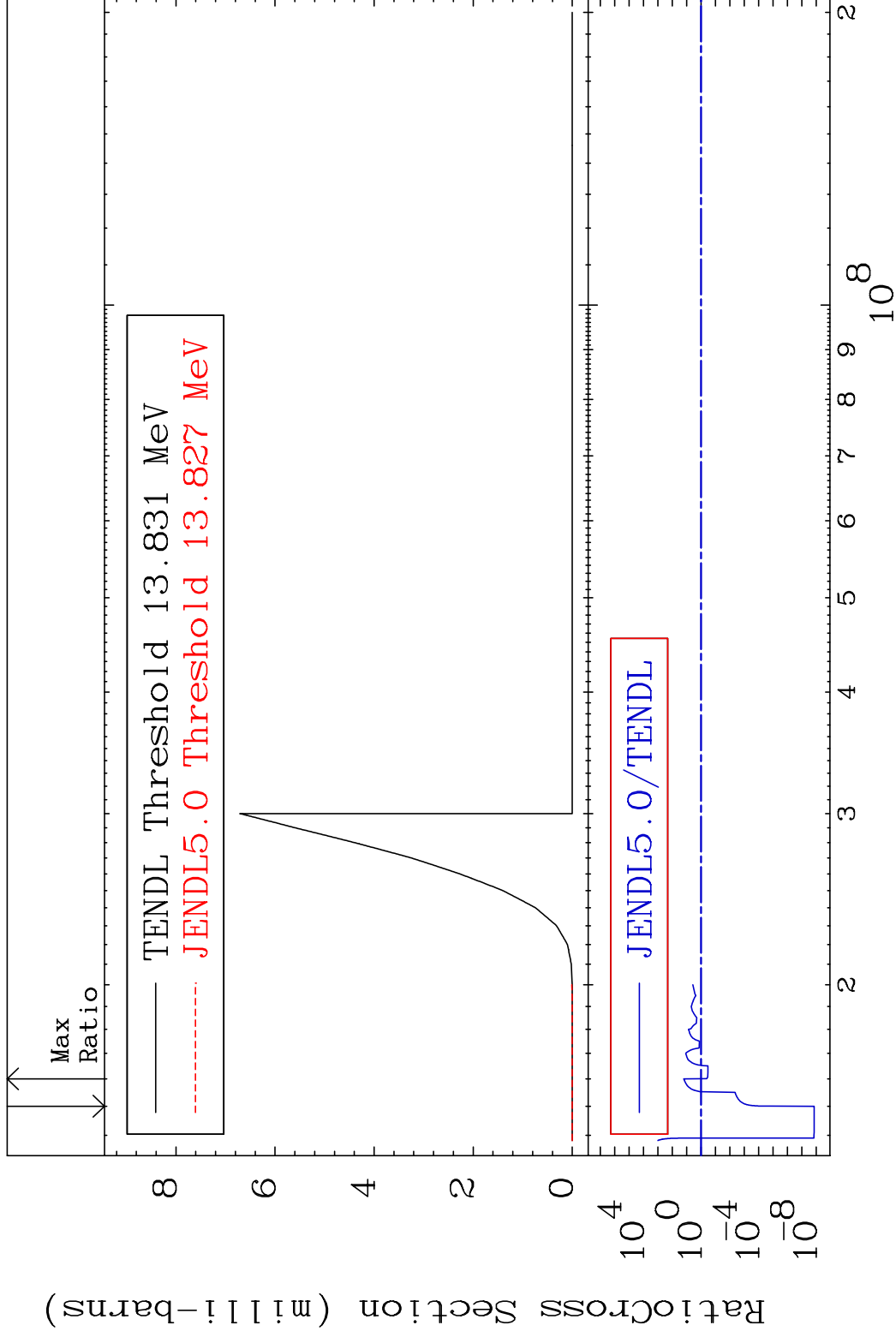
64-Gd-158

MAT 6443

(n, n') d

64-Gd-158

Cross Section -100.0 To 1505. %

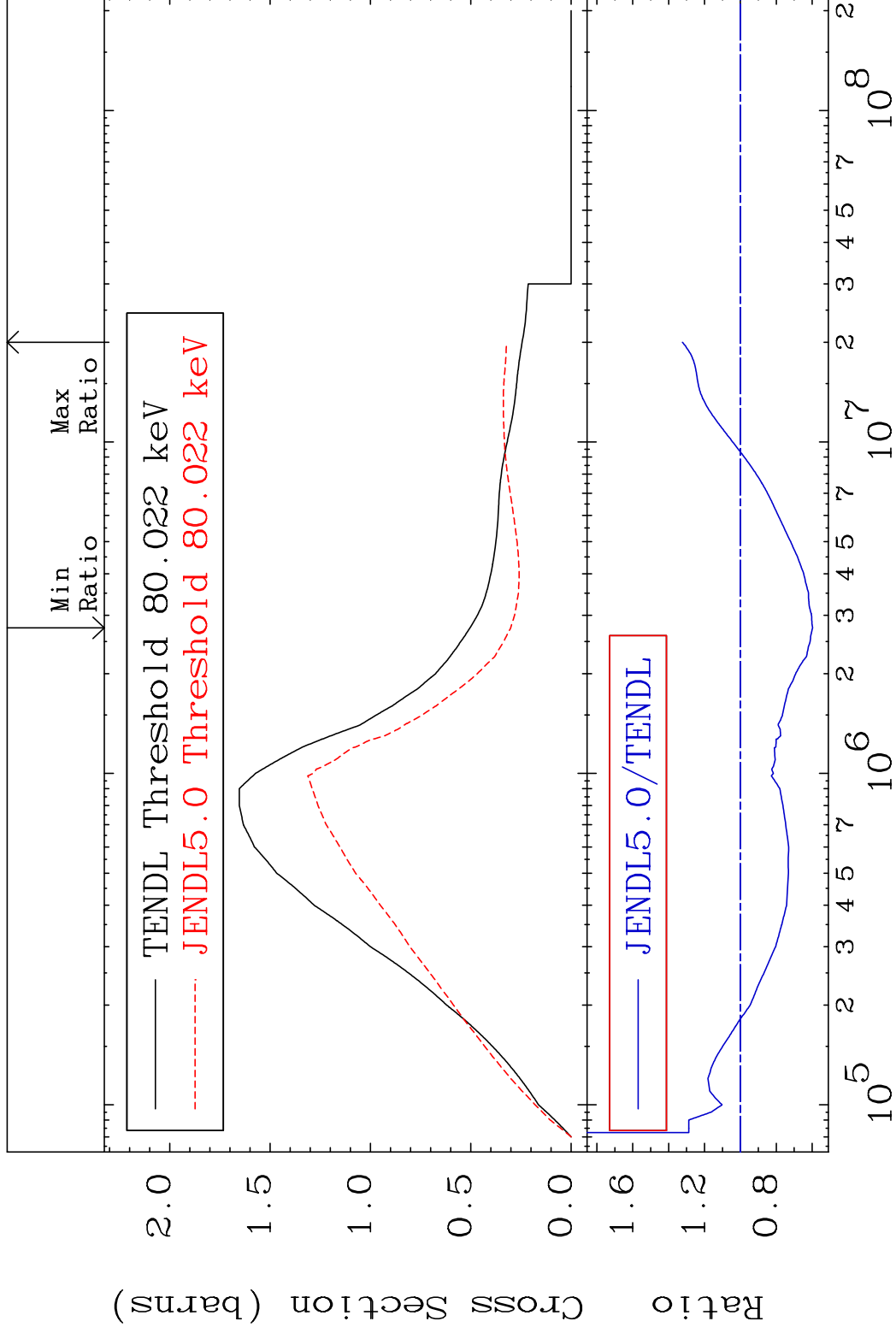


MAT 6443

MT= 51 (n, n') Level

64-Gd-158

Cross Section -40.24 To 32.35 %

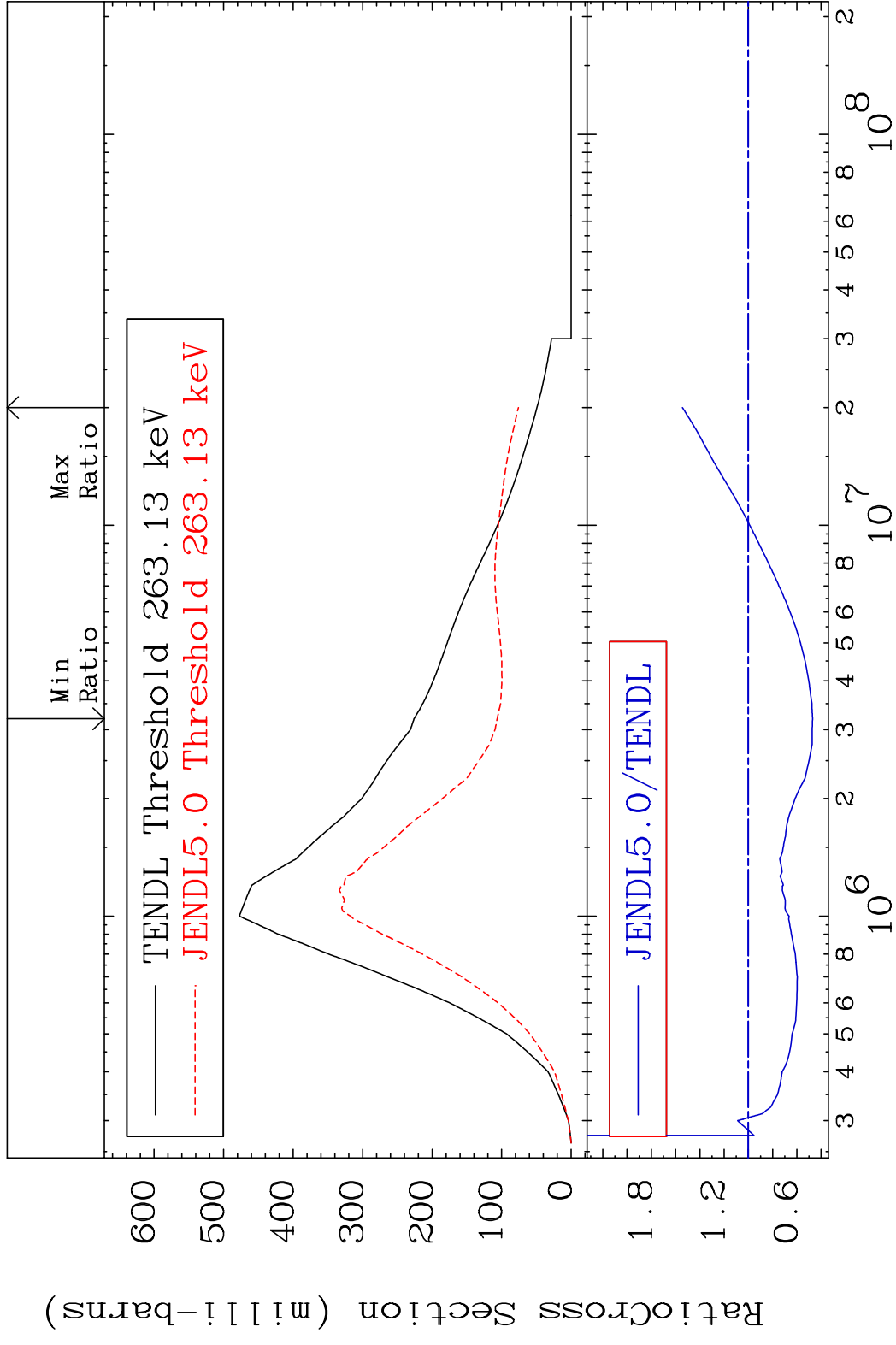


10

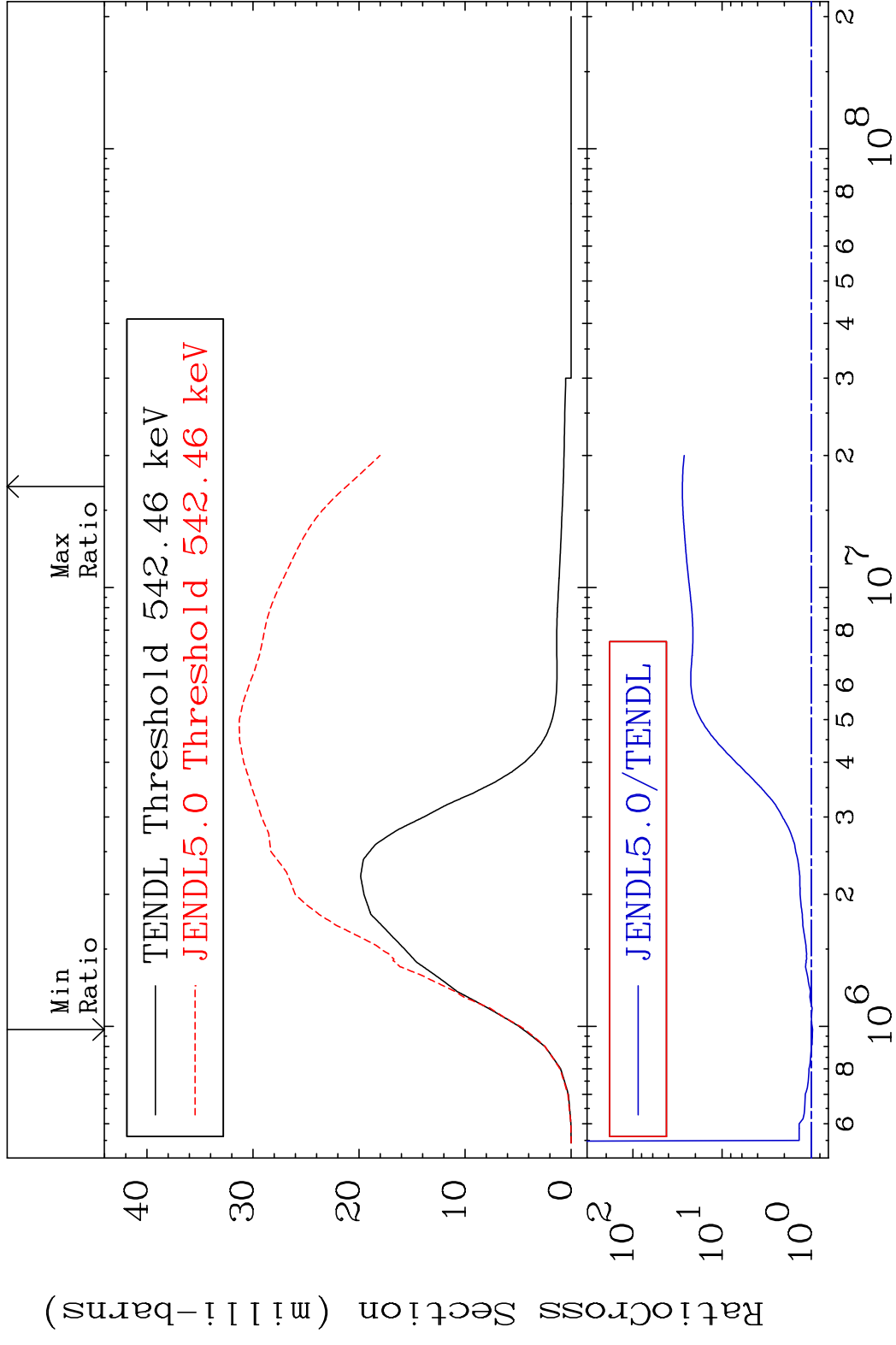
Incident Energy (eV)

64-Gd-158

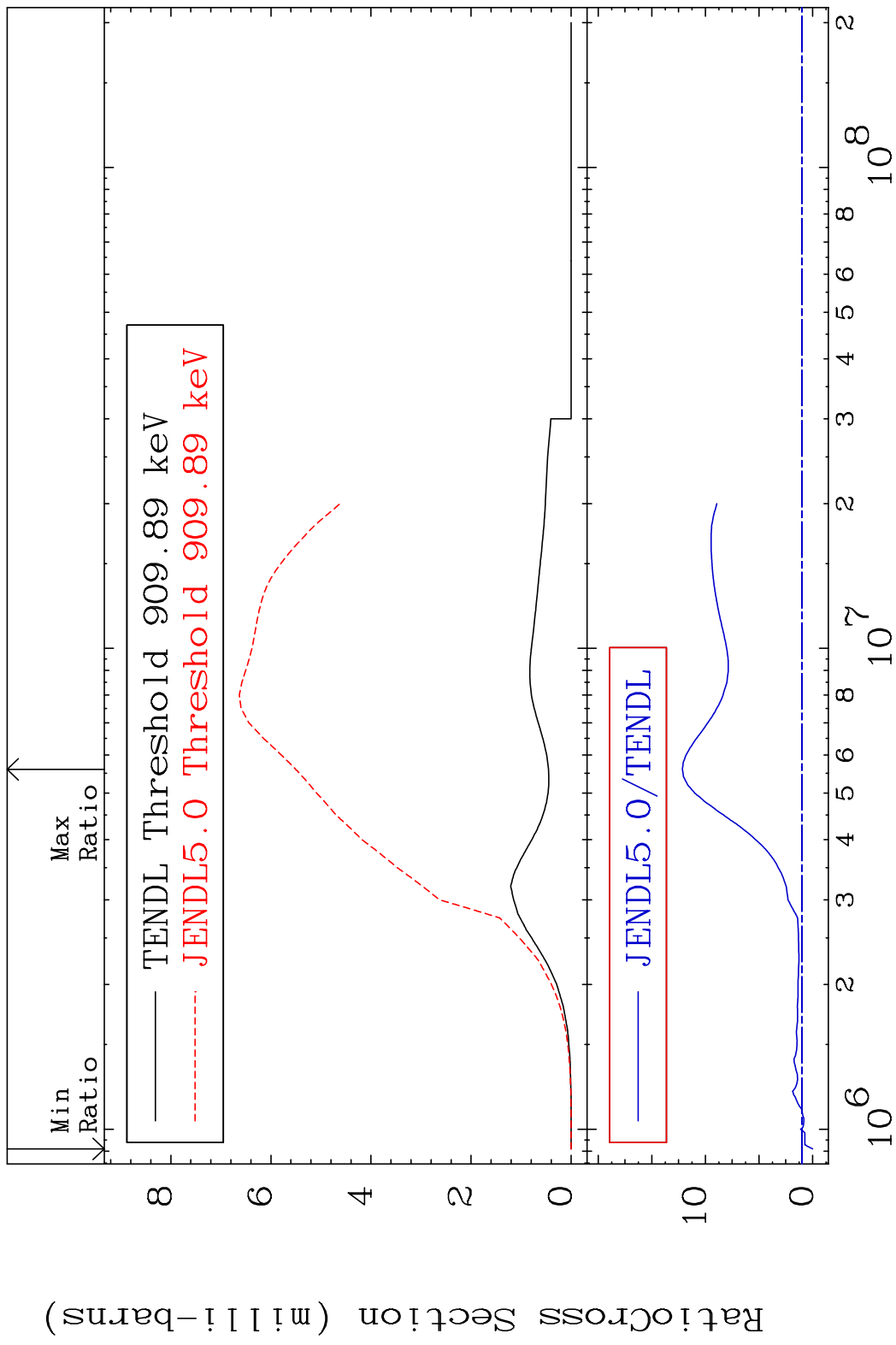
MAT 6443 MT= 52 (n, n') Level 64-Gd-158
 Cross Section -52.92 To 54.43 %



MAT 6443 MT= 53 (n, n') Level 64-Gd-158
 Cross Section -3.487 To 2693. %

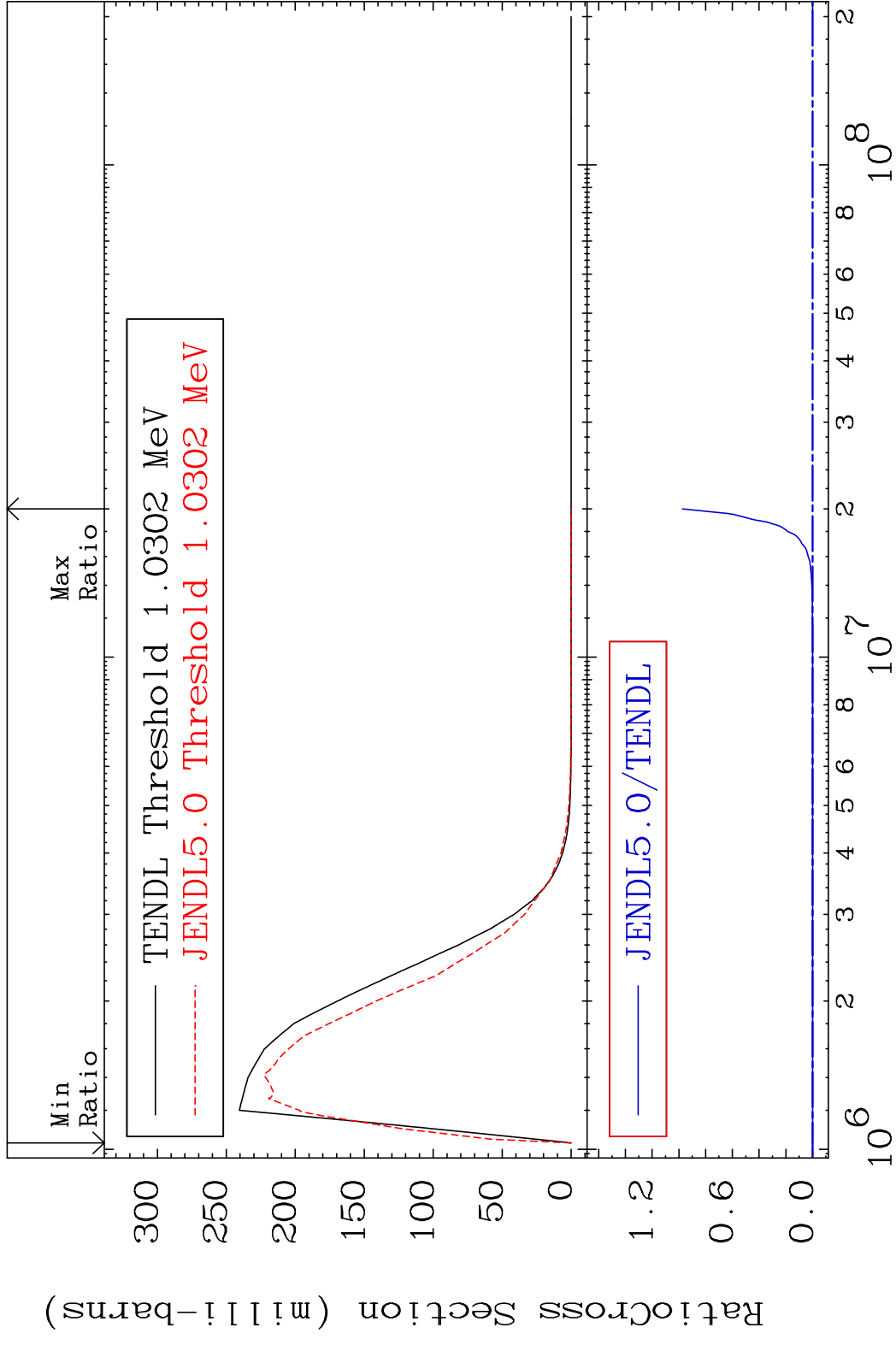


MAT 6443 MT= 54 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 1115. %

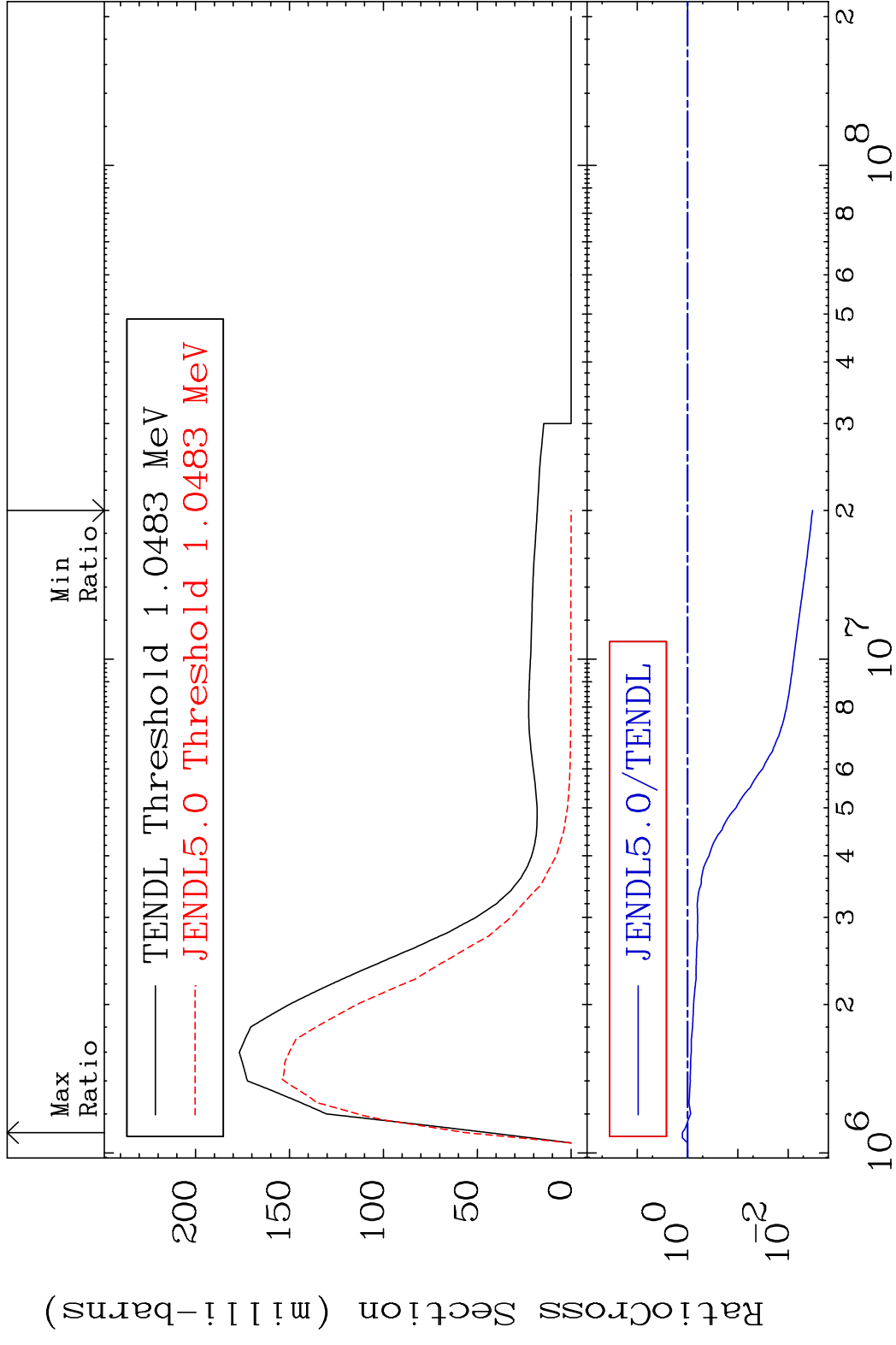


13 Incident Energy (eV) 64-Gd-158

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

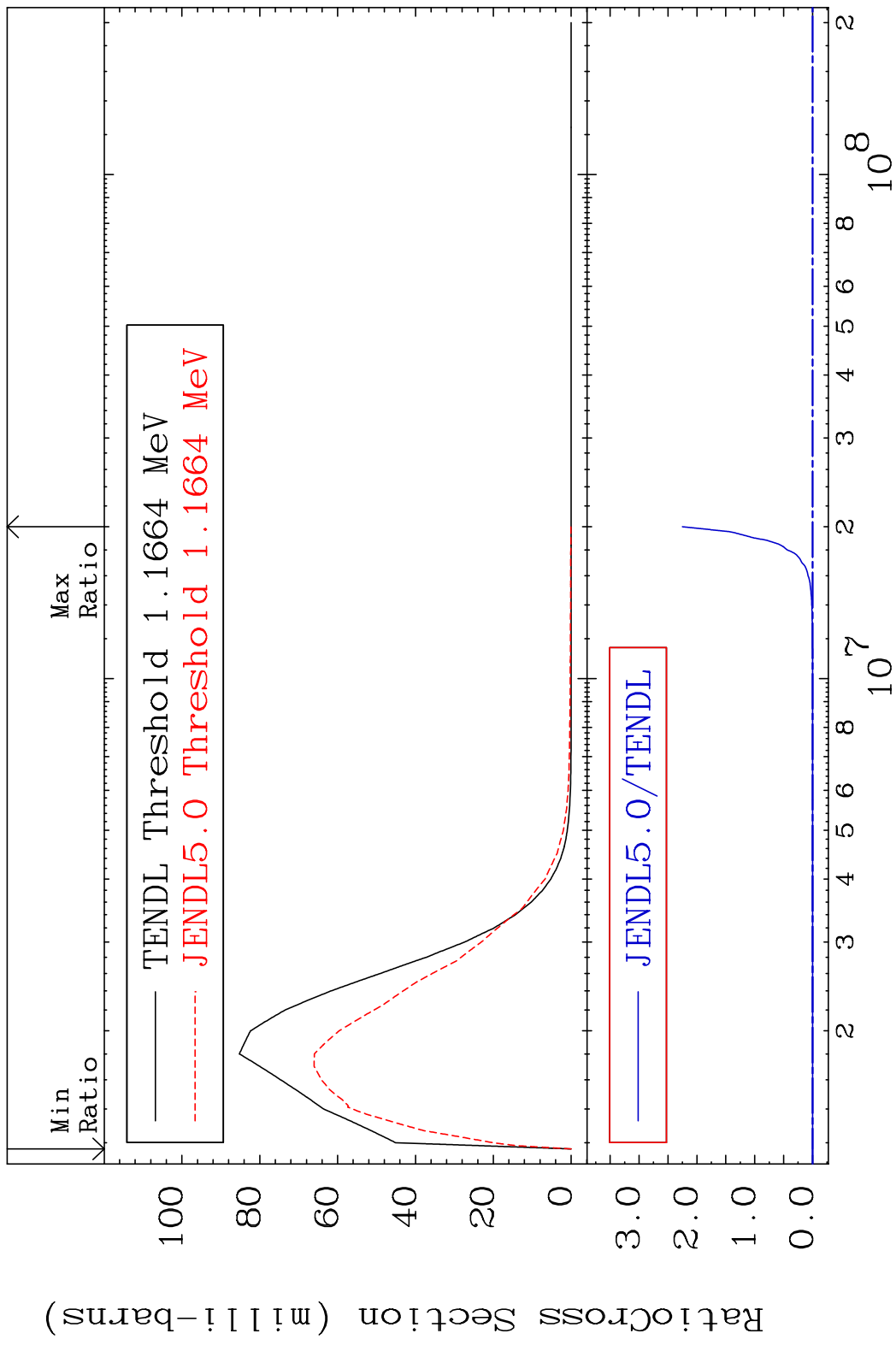


MAT 6443 MT= 57 (n, n') Level 64-Gd-158
 Cross Section -99.67 To 27.31 %

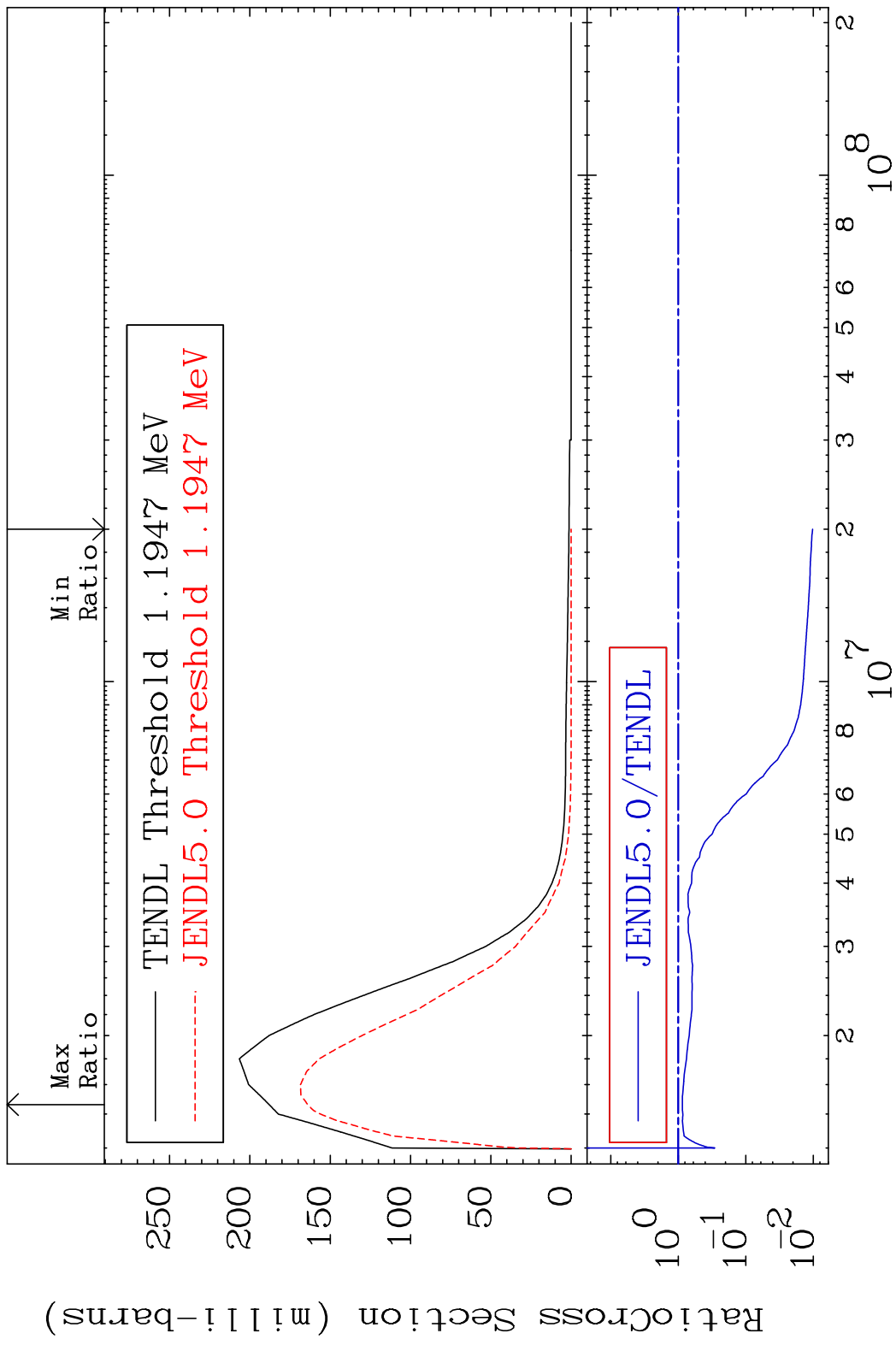


16 Incident Energy (eV) 64-Gd-158

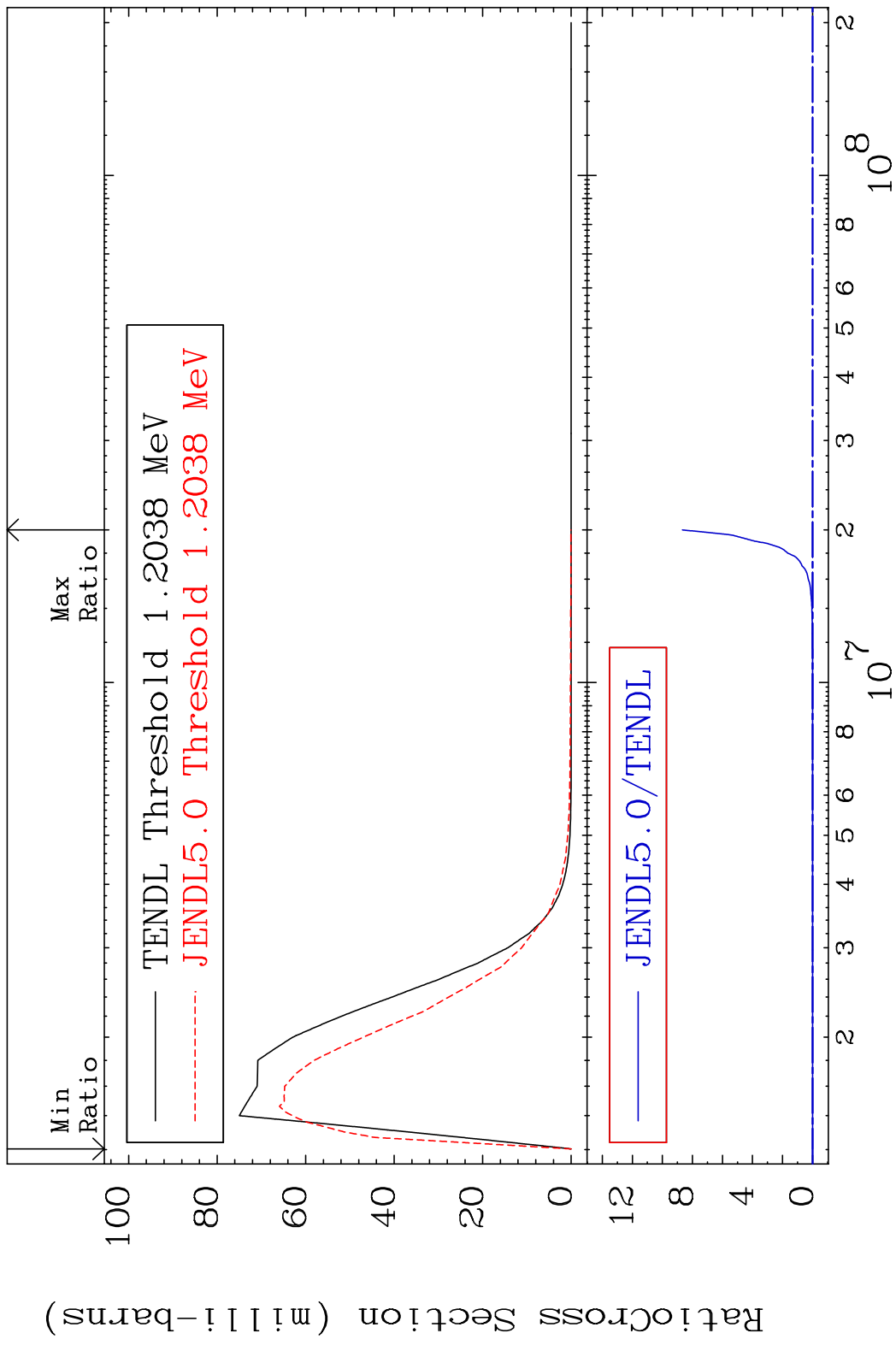
MAT 6443 MT= 58 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %



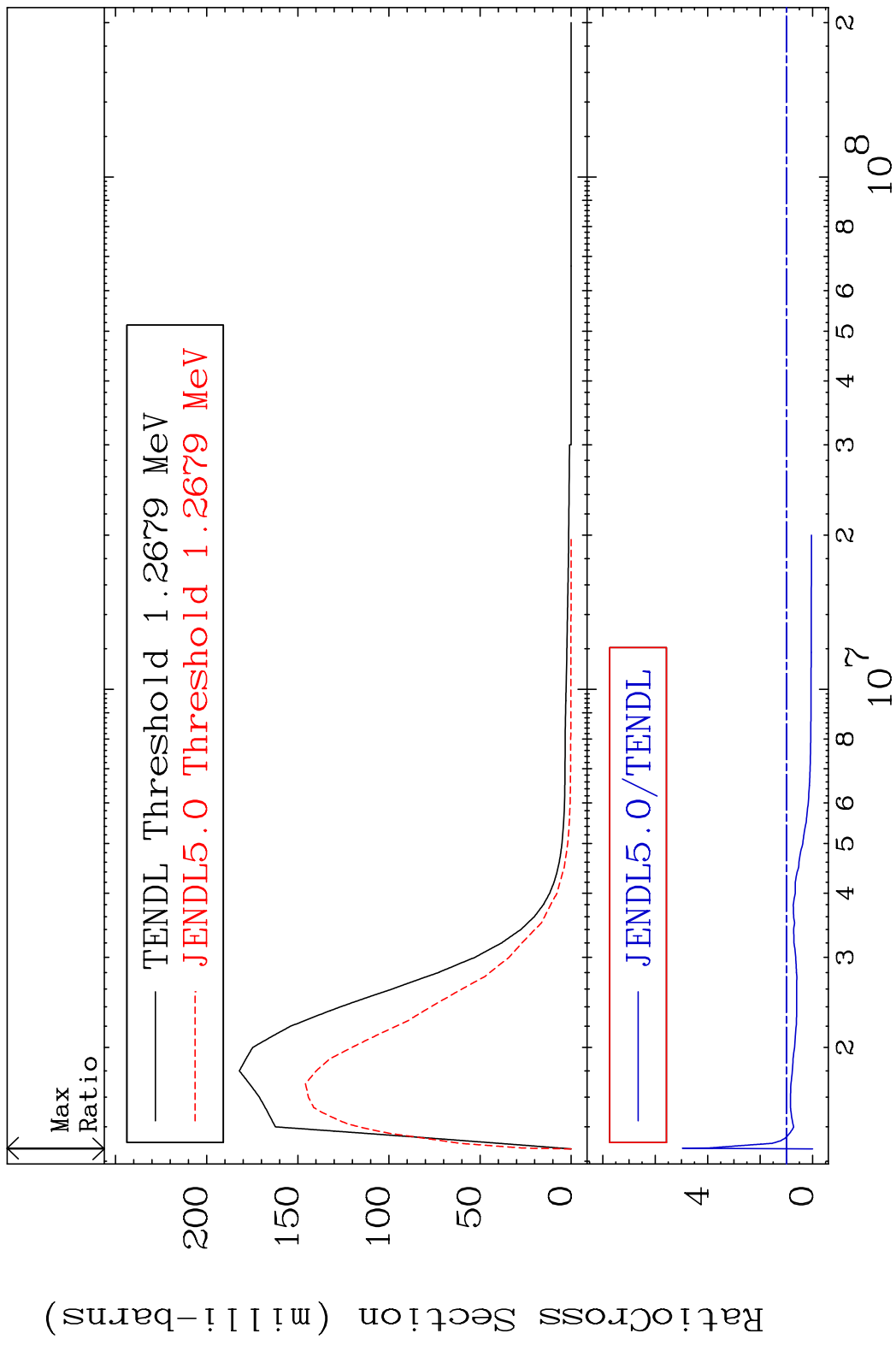
MAT 6443 MT= 60 (n, n') Level 64-Gd-158
 Cross Section -98.97 To -12.78%



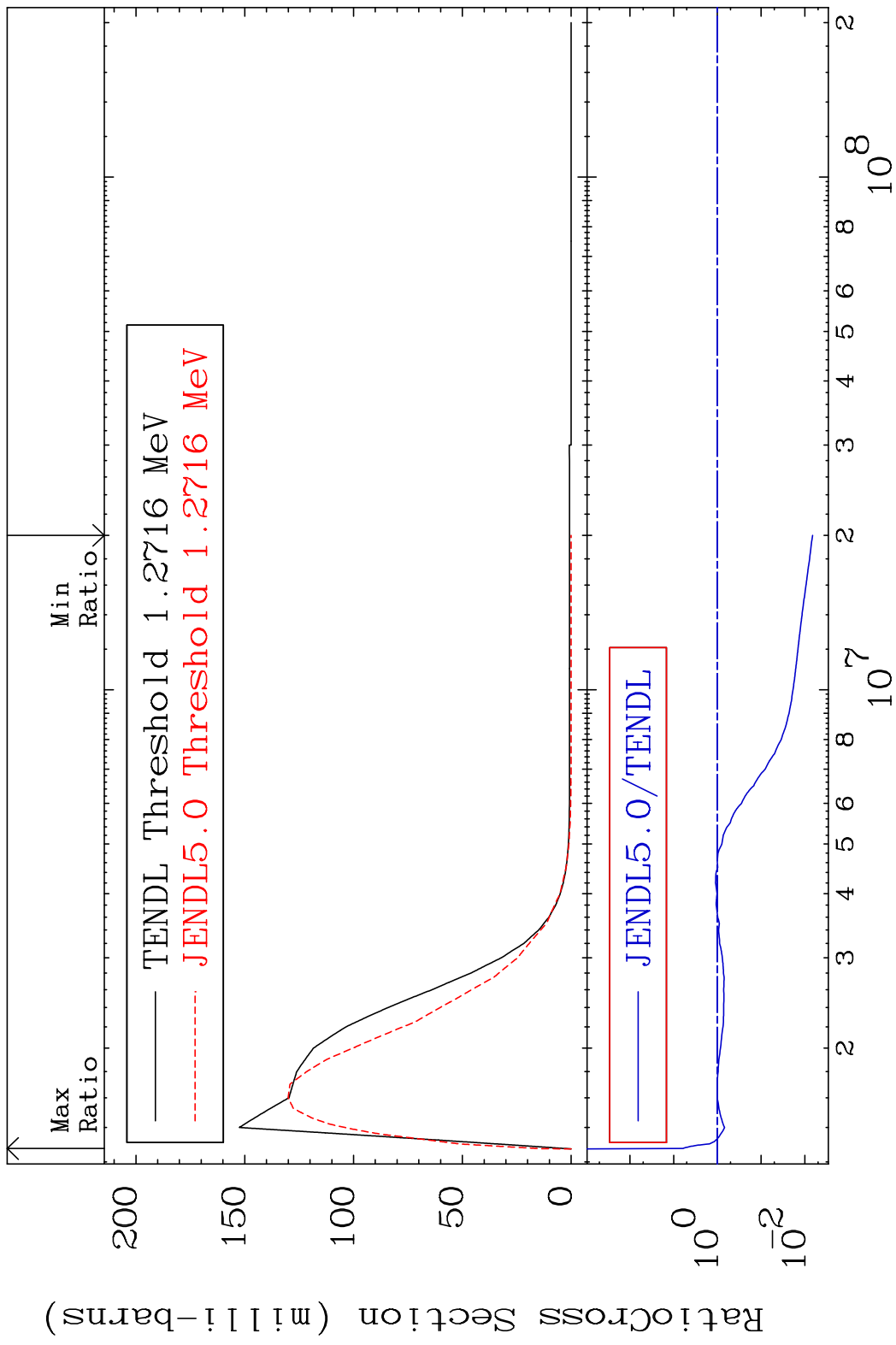
MAT 6443 MT= 61 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %



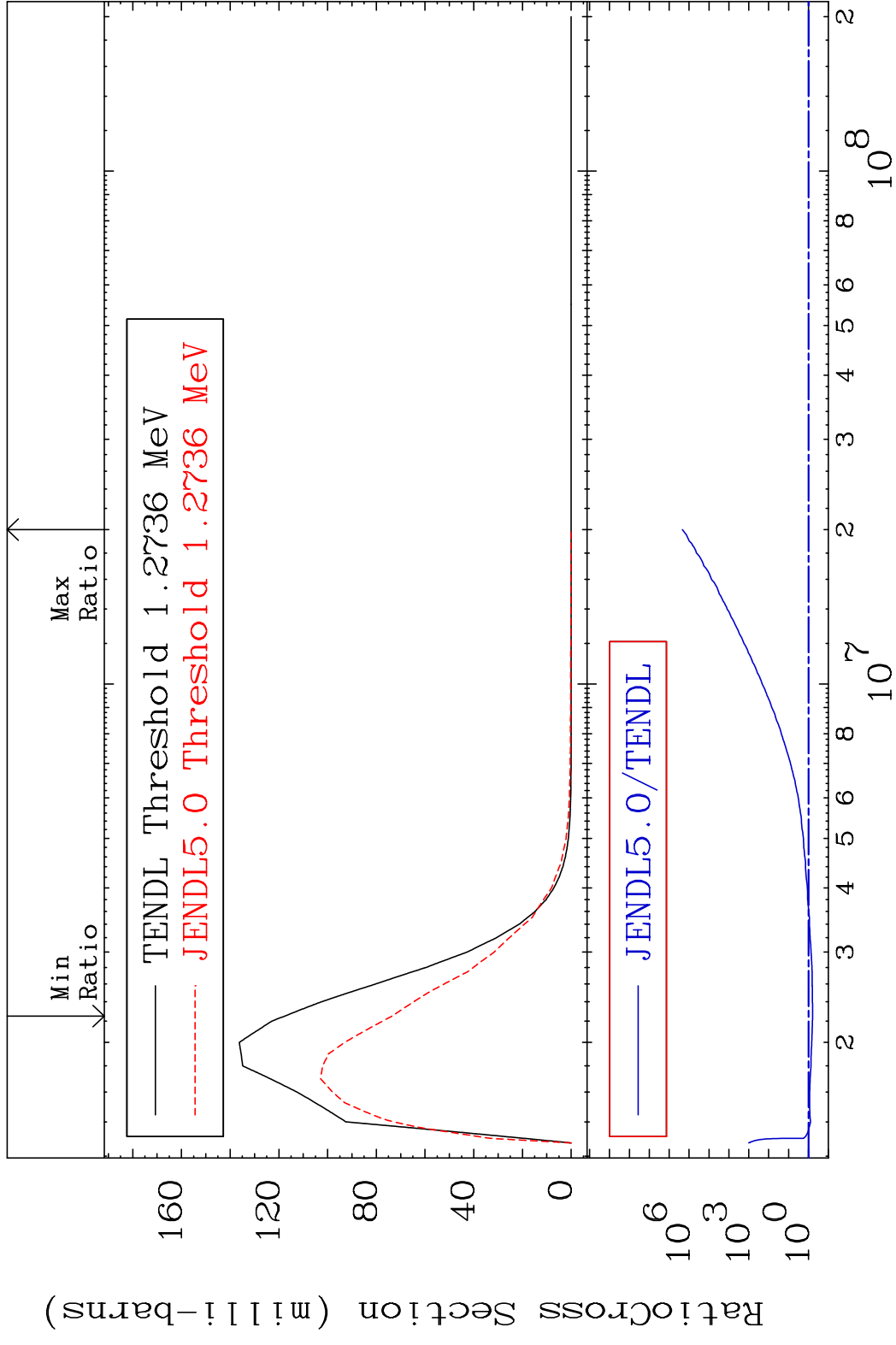
MAT 6443 MT= 62 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 396.6 %



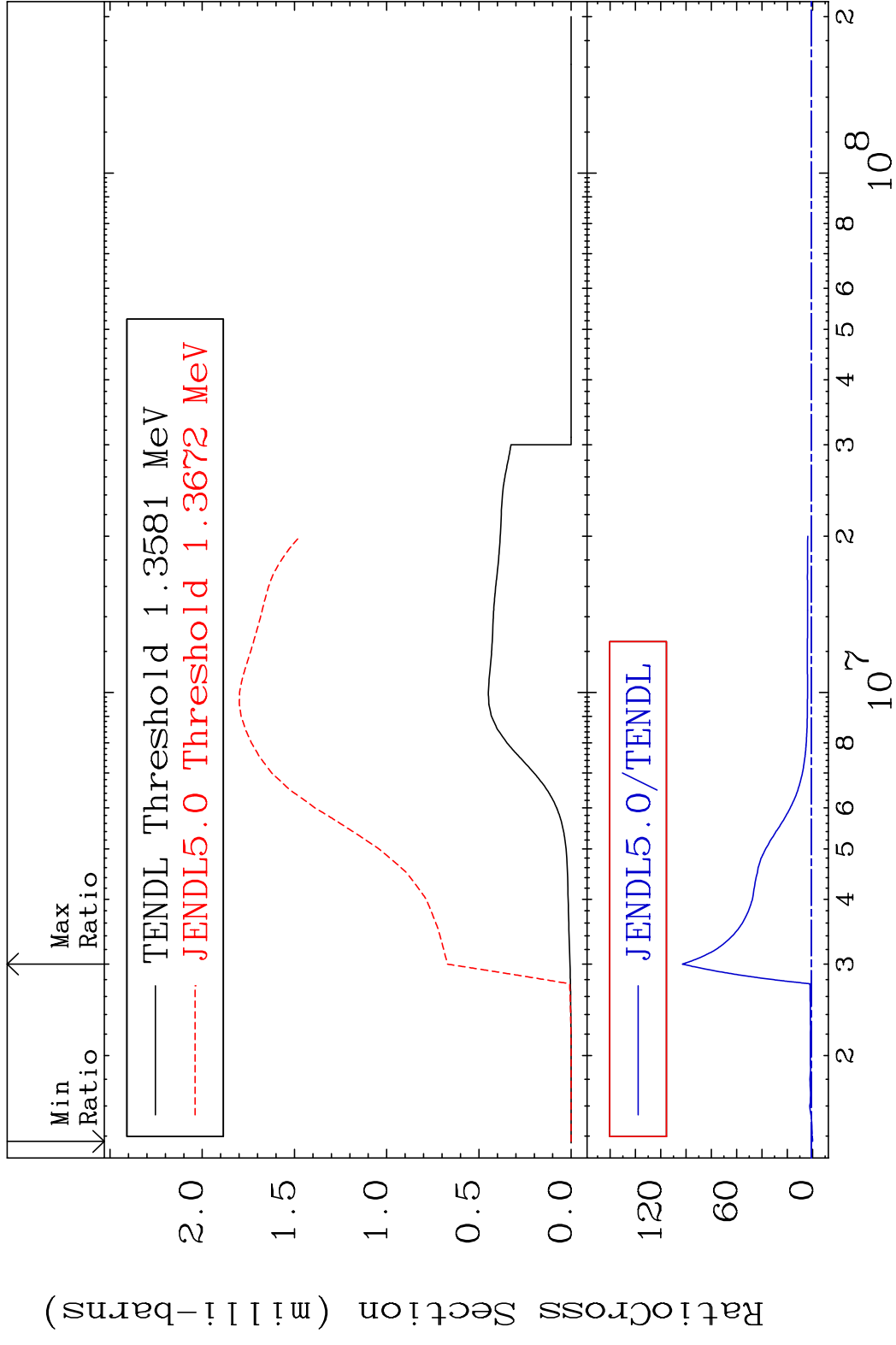
MAT 6443 MT= 63 (n, n') Level 64-Gd-158
 Cross Section -99.33 To 531.8 %



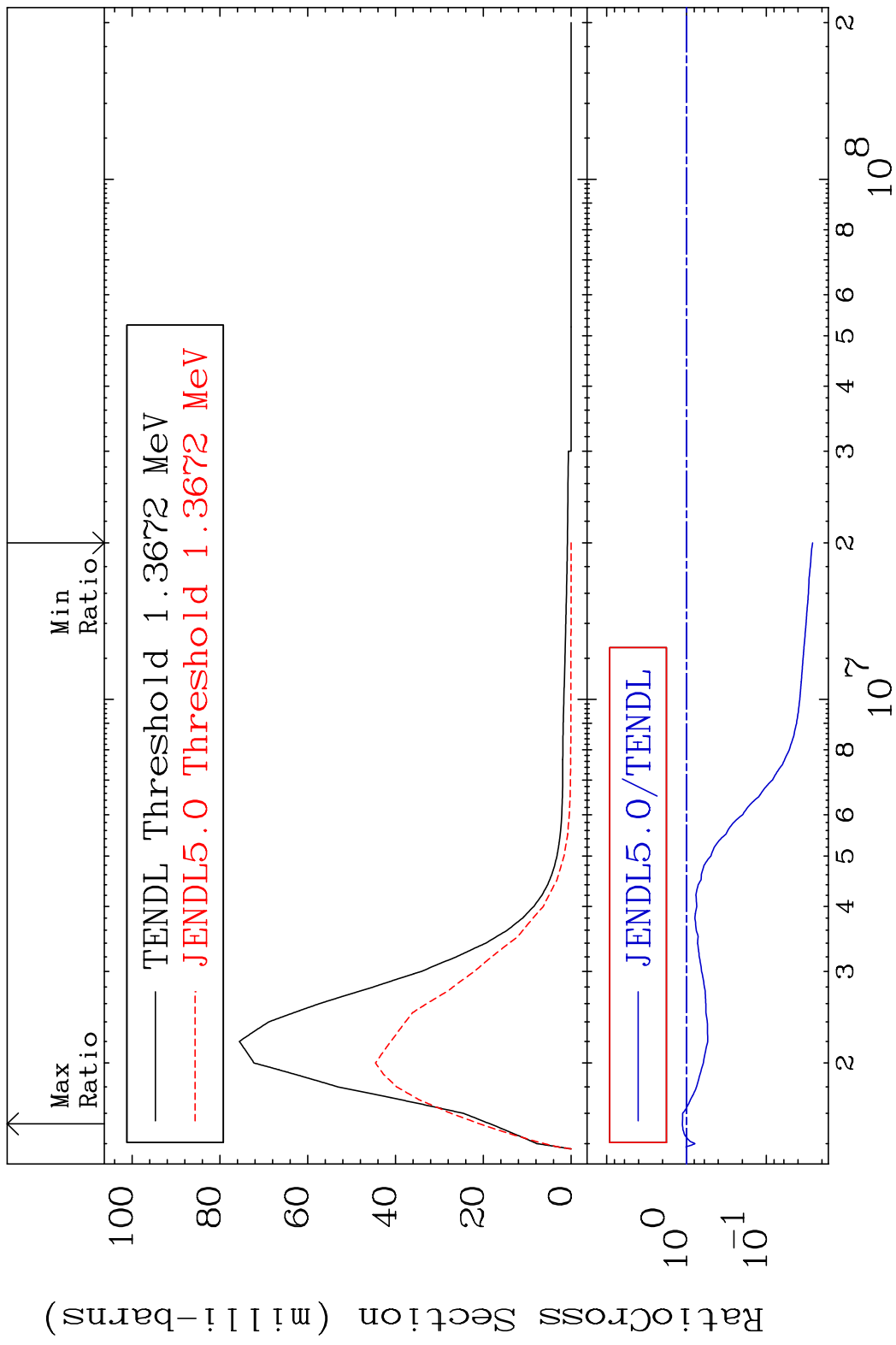
MAT 6443 MT= 64 (n, n') Level 64-Gd-158
 Cross Section -37.49 To 9999. %



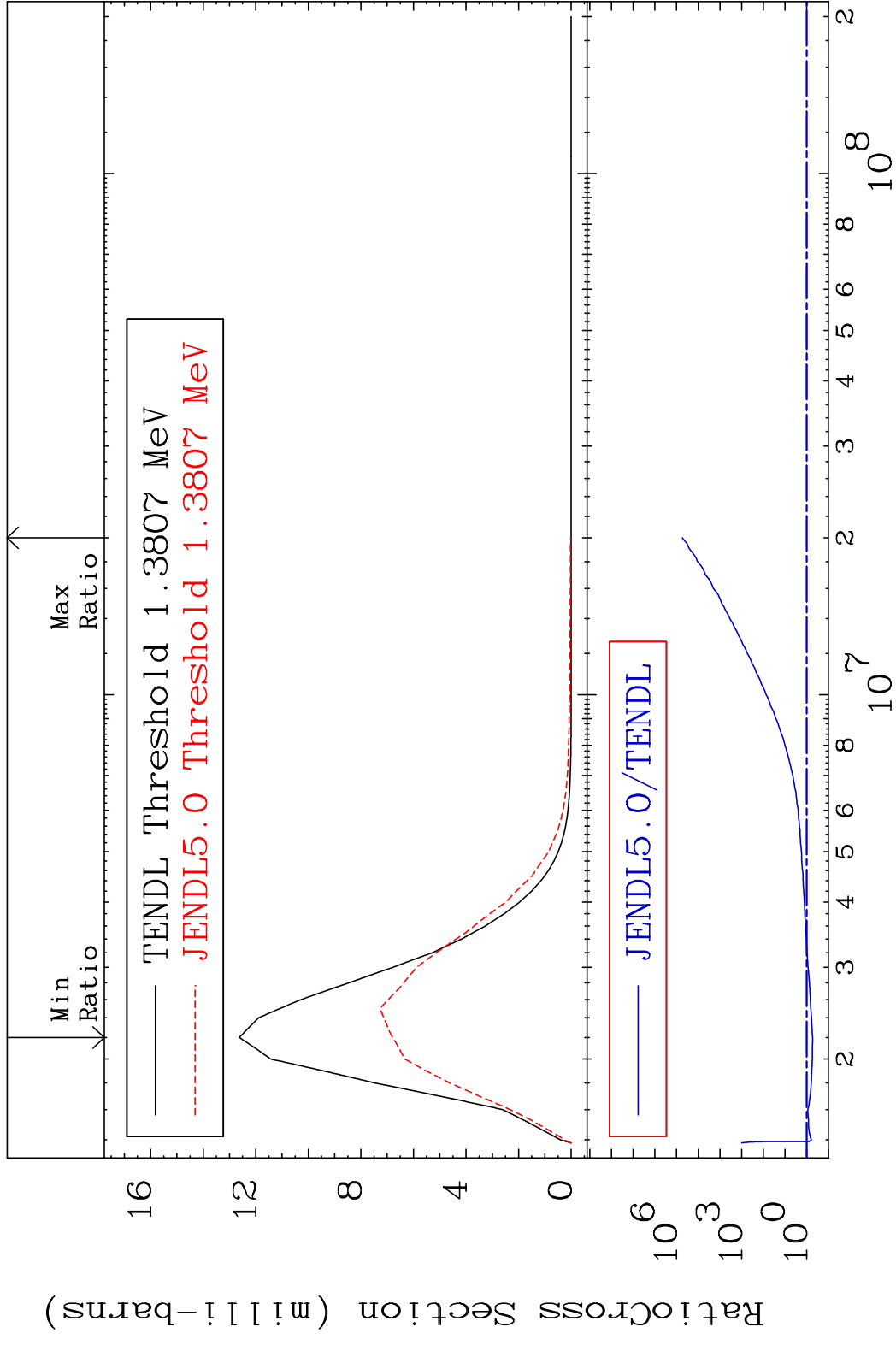
MAT 6443 MT= 65 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %



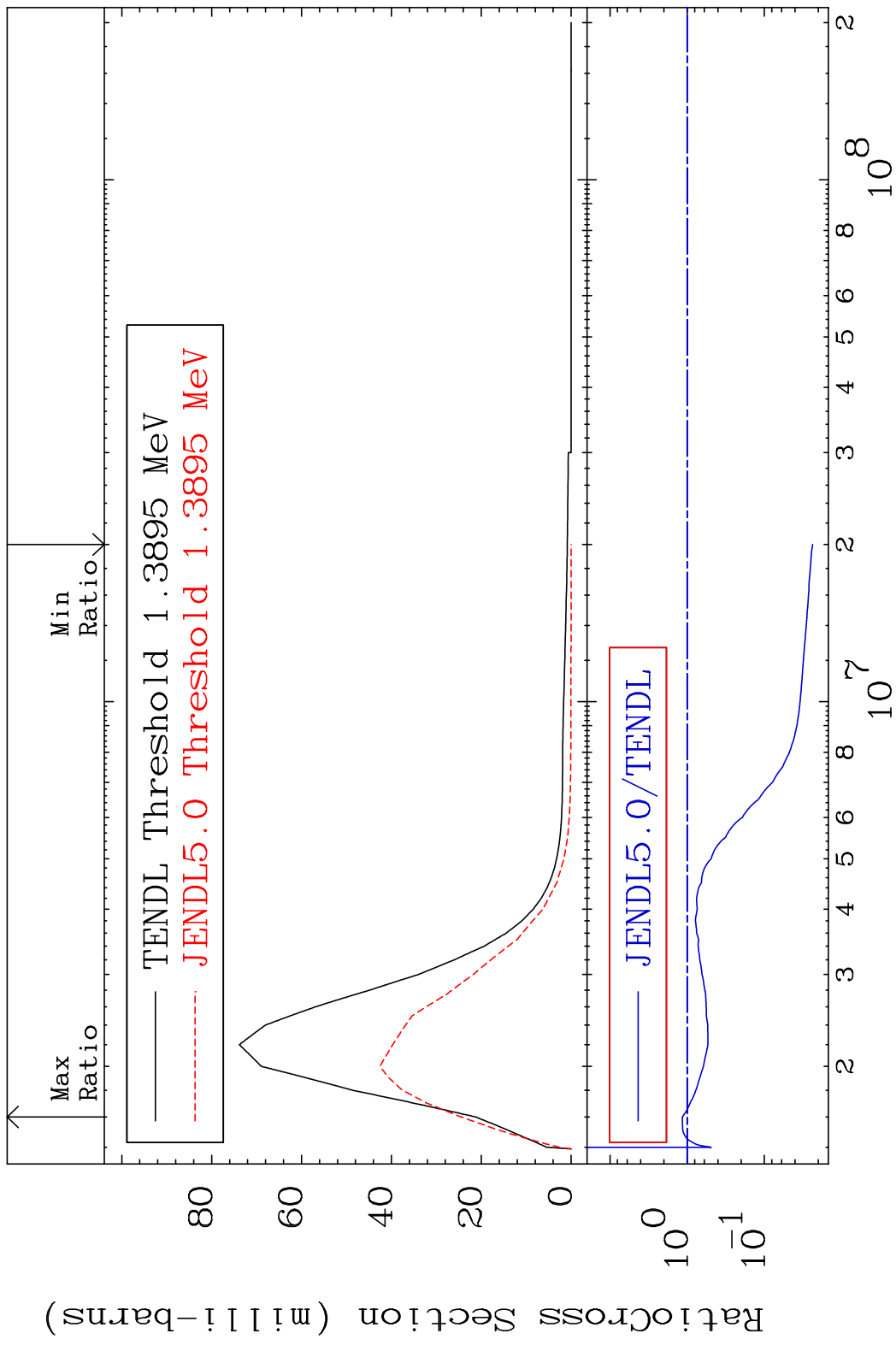
MAT 6443 MT= 66 (n, n') Level 64-Gd-158
 Cross Section -97.37 To 12.80 %



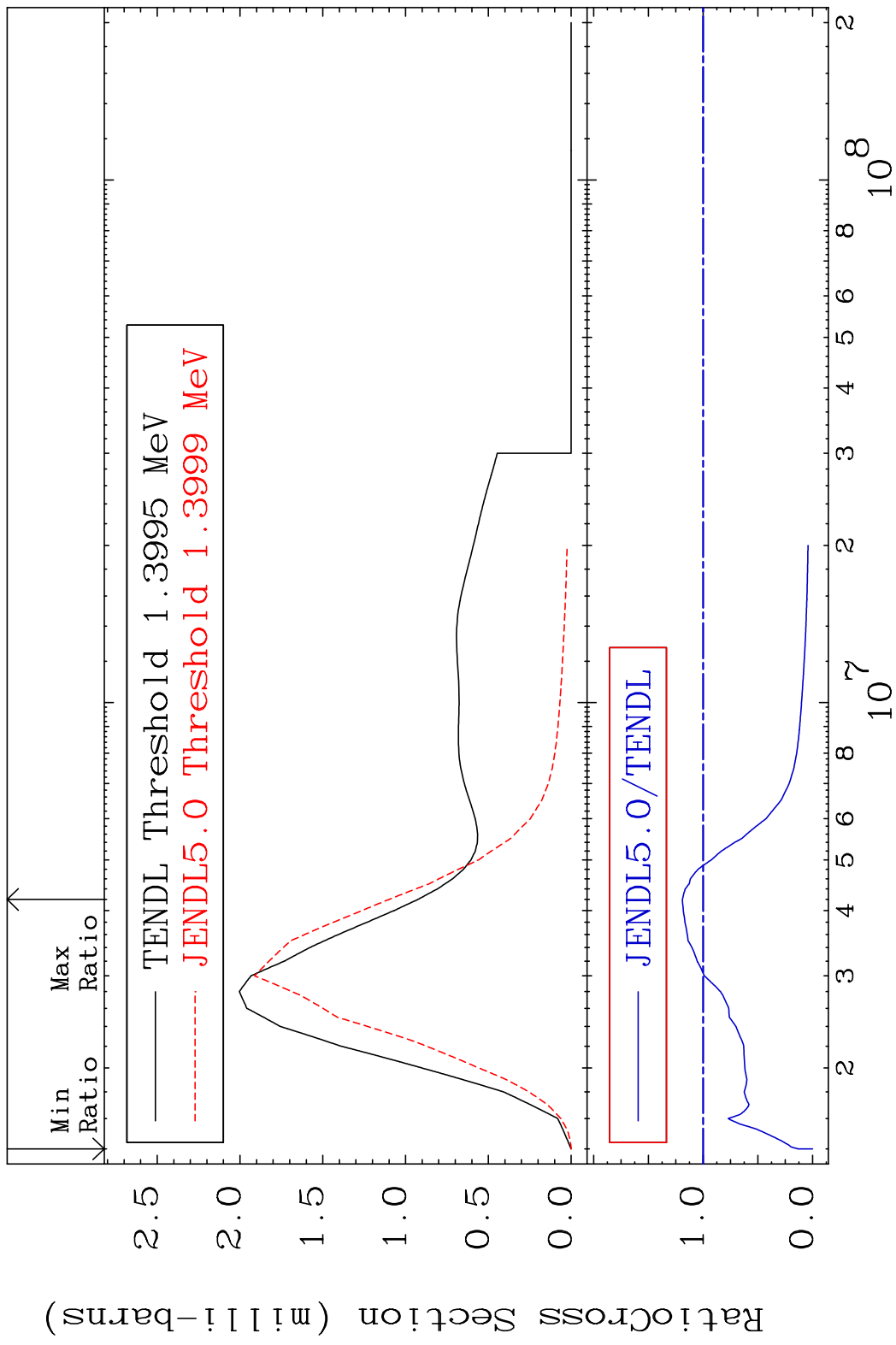
MAT 6443 MT= 67 (n, n') Level 64-Gd-158
 Cross Section -46.25 To 9999. %



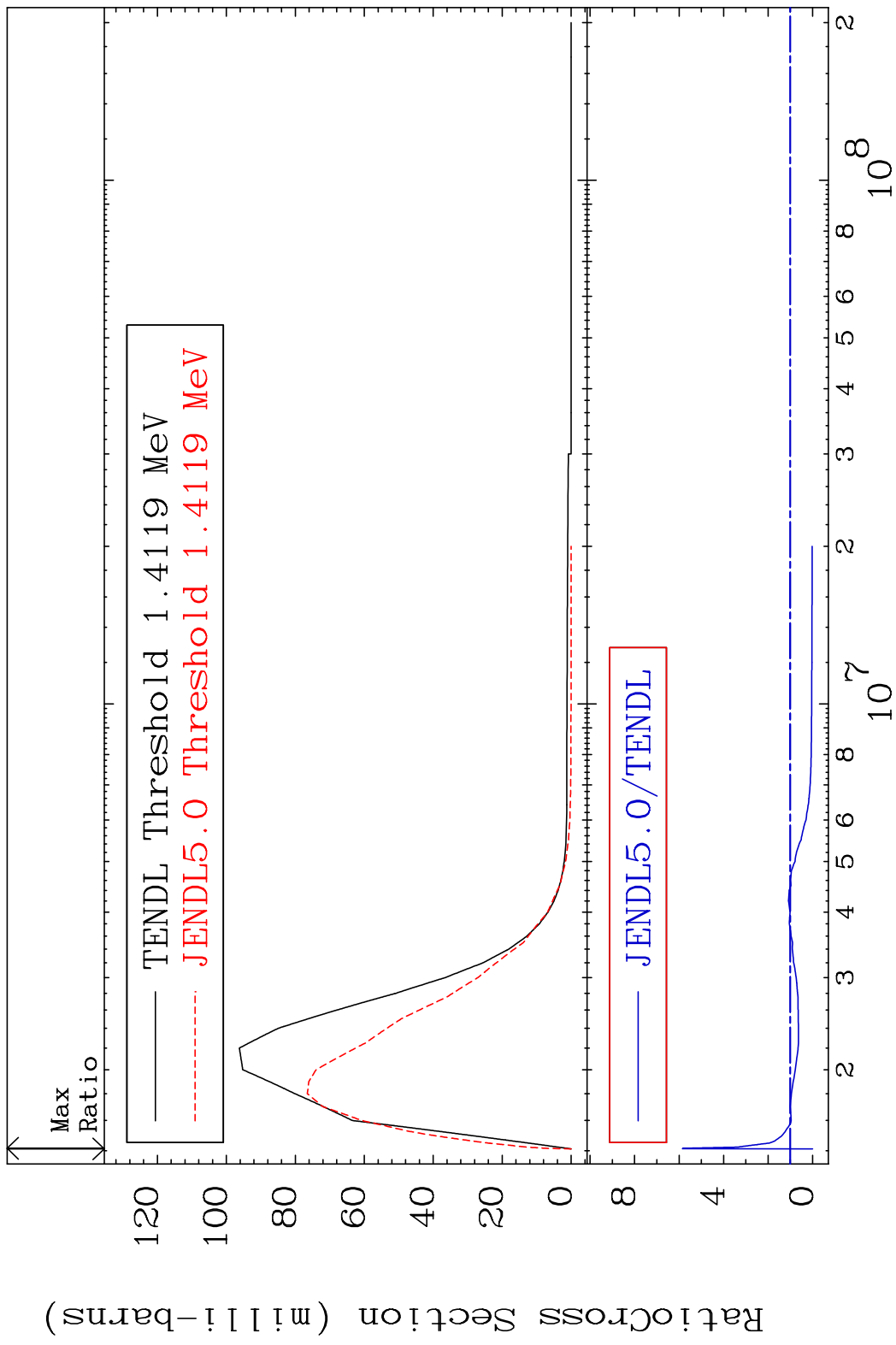
MAT 6443 MT= 68 (n, n') Level 64-Gd-158
 Cross Section -97.63 To 15.55 %



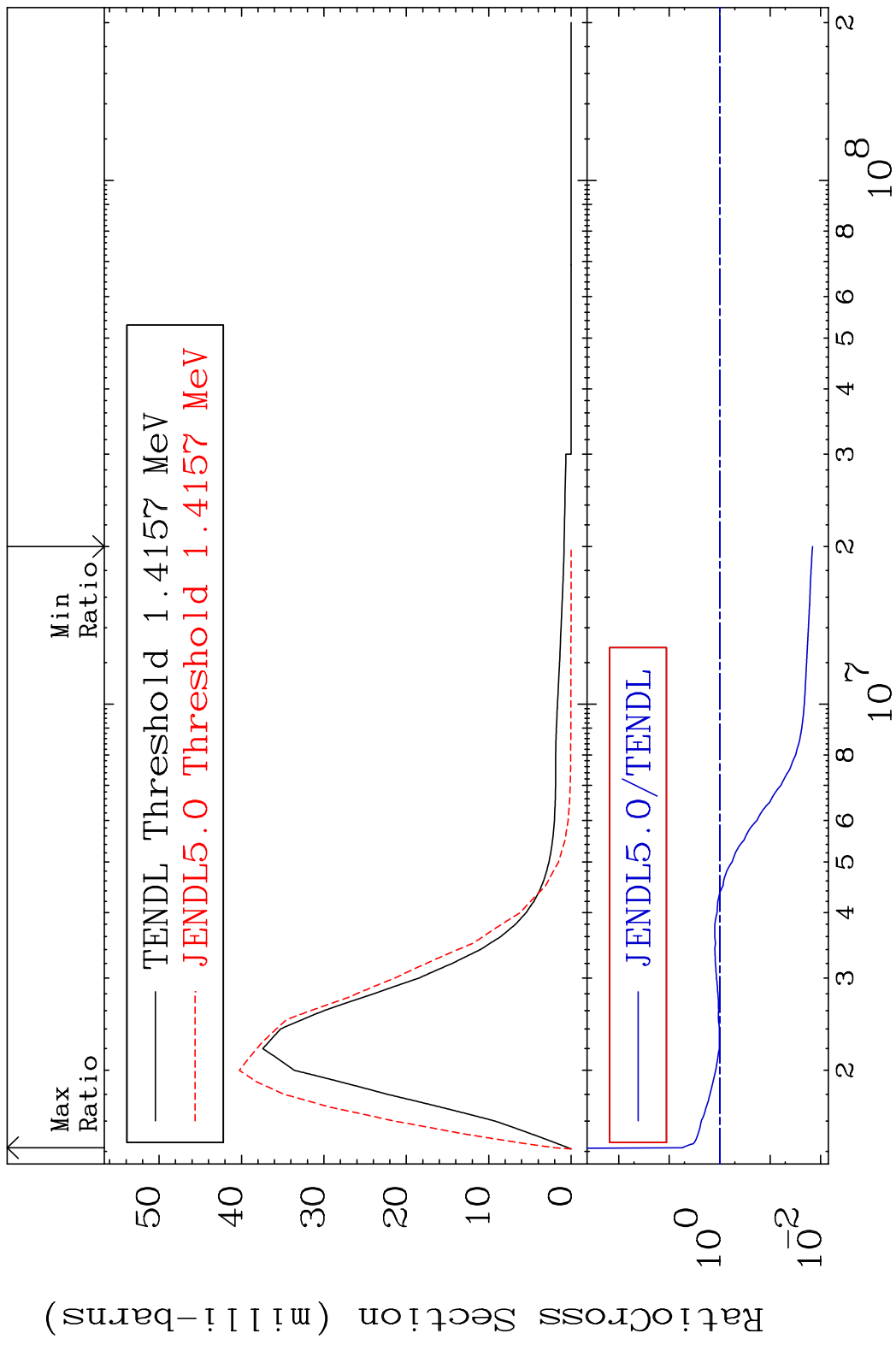
MAT 6443 MT= 69 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 18.94 %



MAT 6443 MT= 70 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 485.3 %

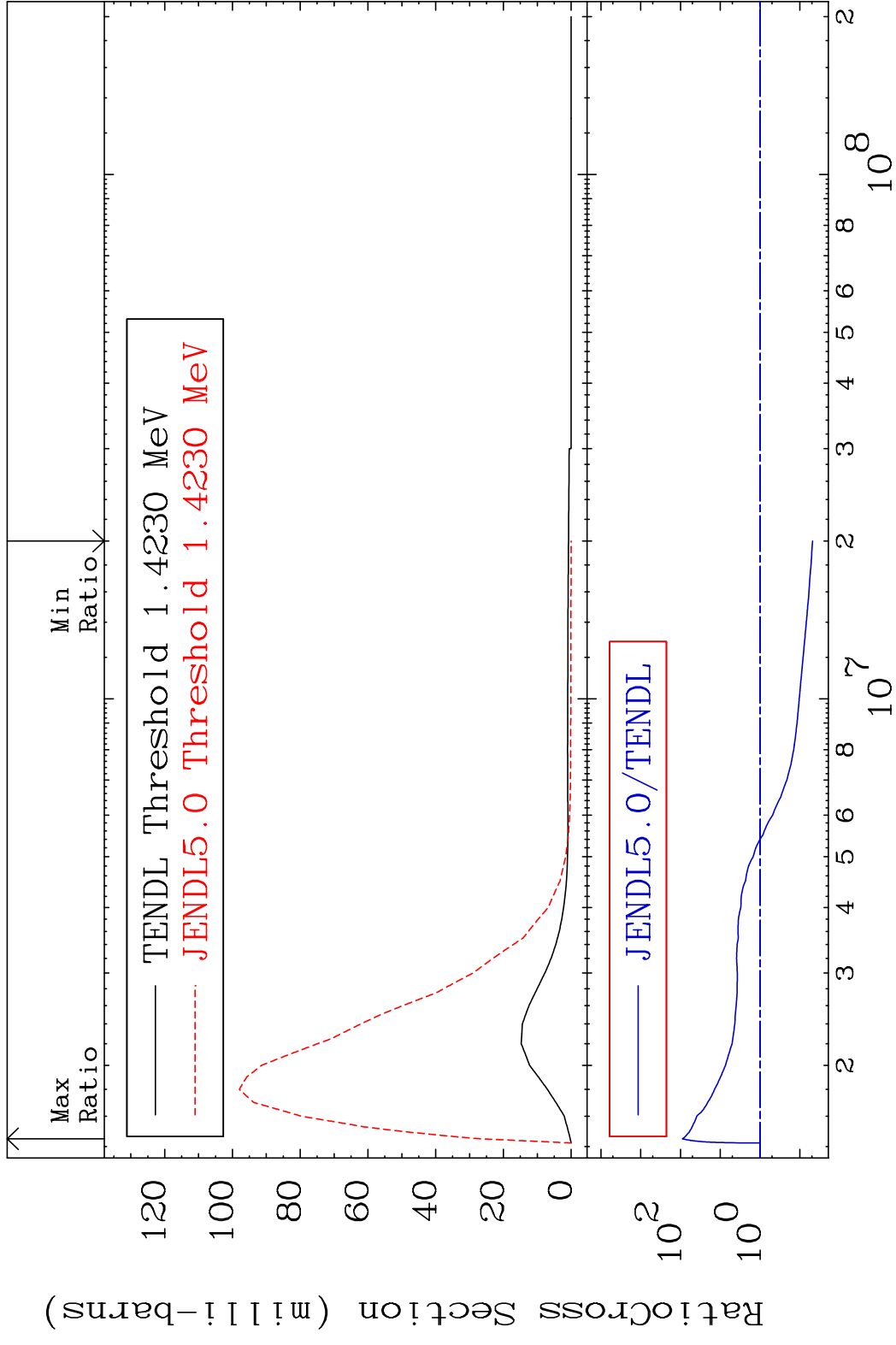


MAT 6443 MT= 71 (n,n') Level 64-Gd-158
 Cross Section -98.56 To 450.0 %

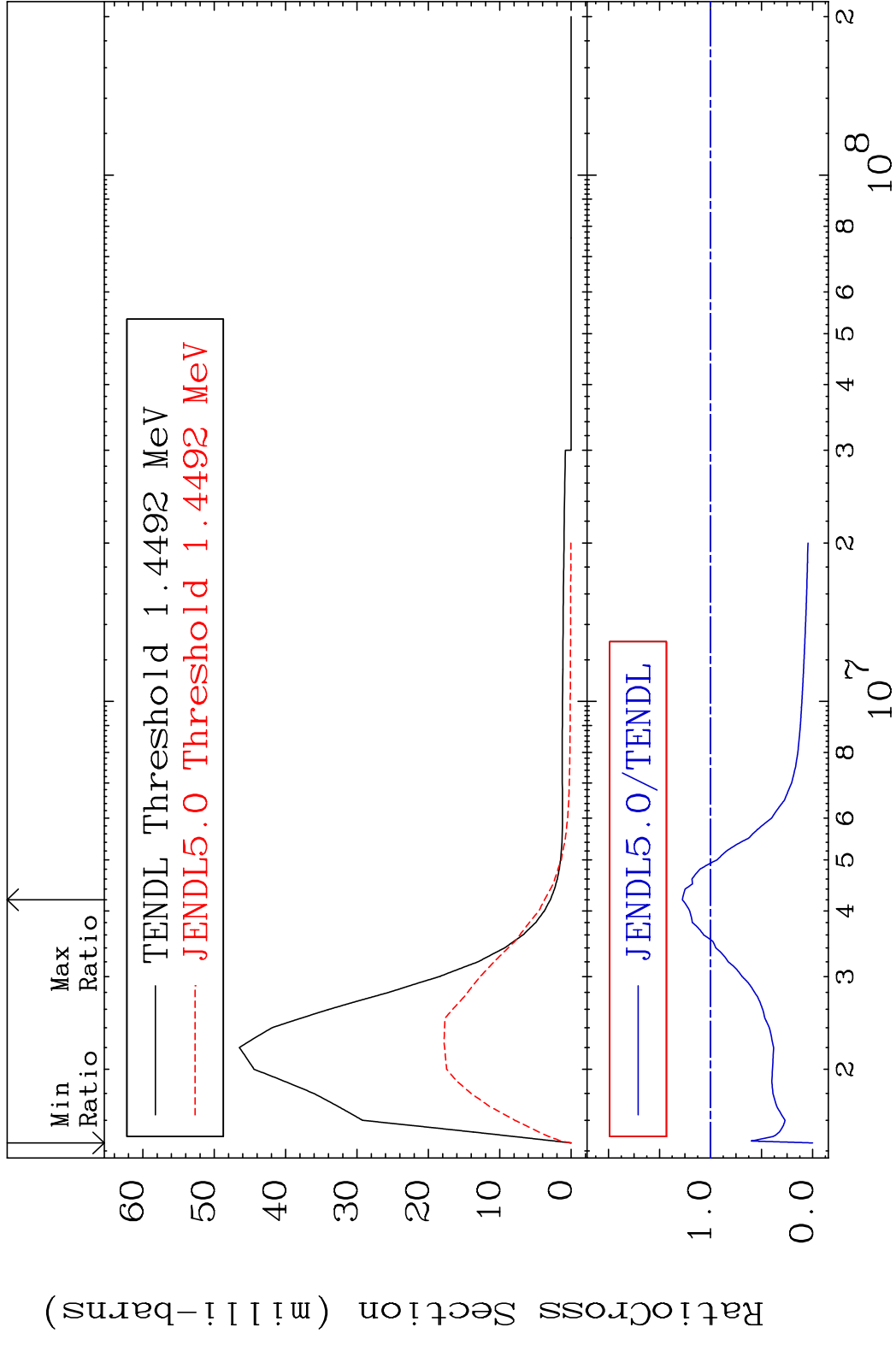


30 64-Gd-158

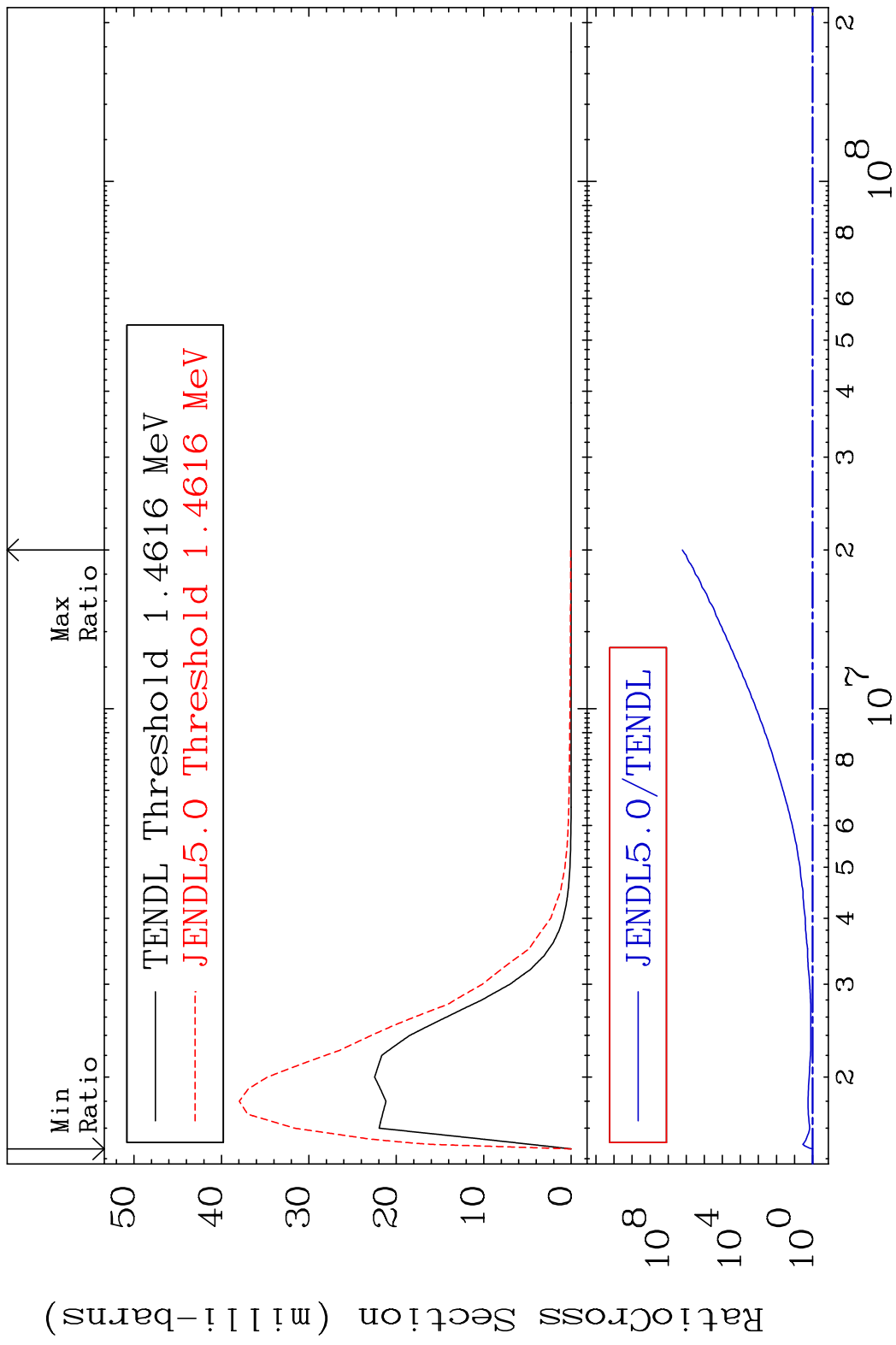
MAT 6443 MT= 72 (n,n') Level 64-Gd-158
 Cross Section -95.21 To 8883. %



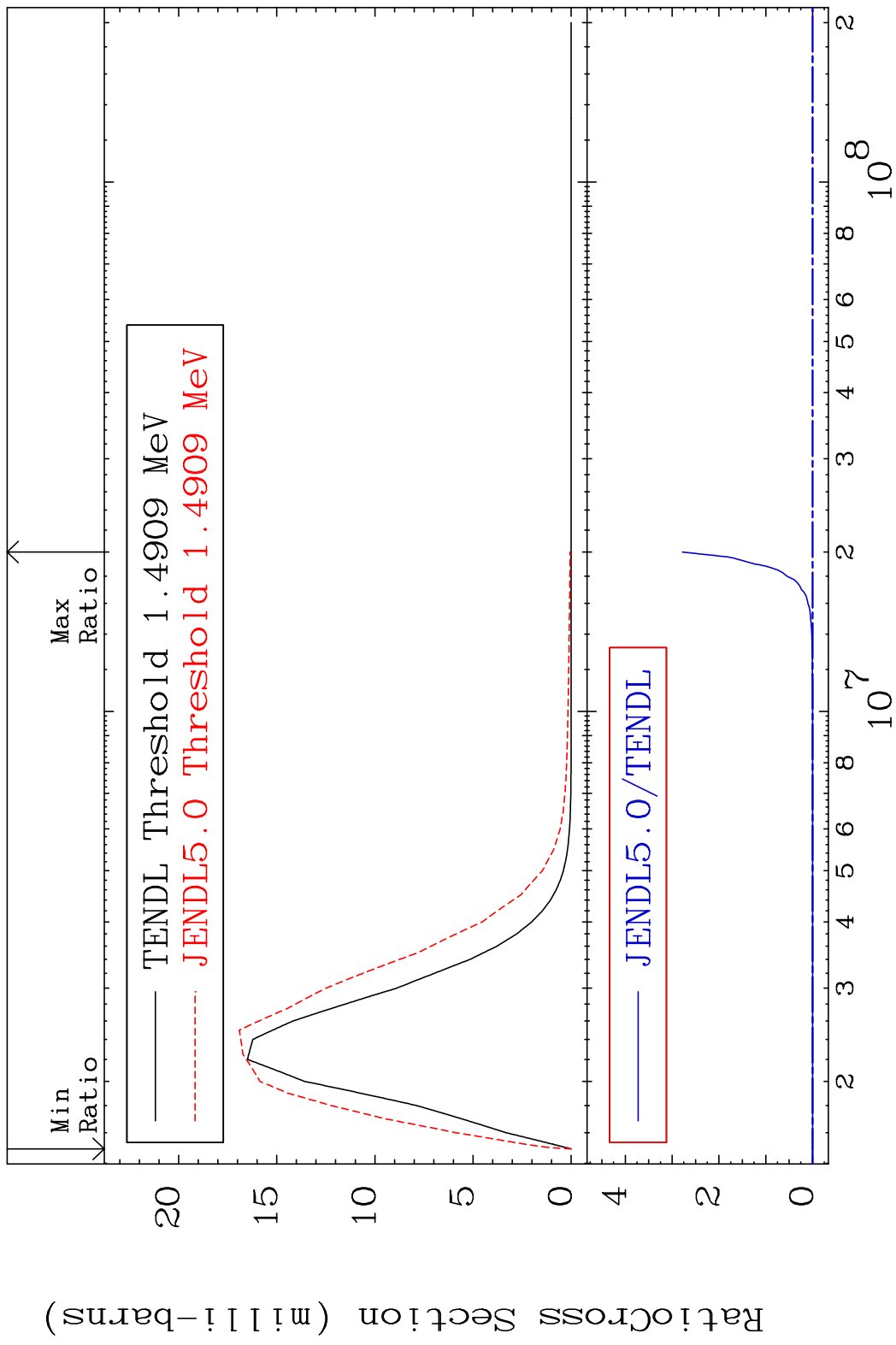
MAT 6443 MT= 73 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 27.58 %



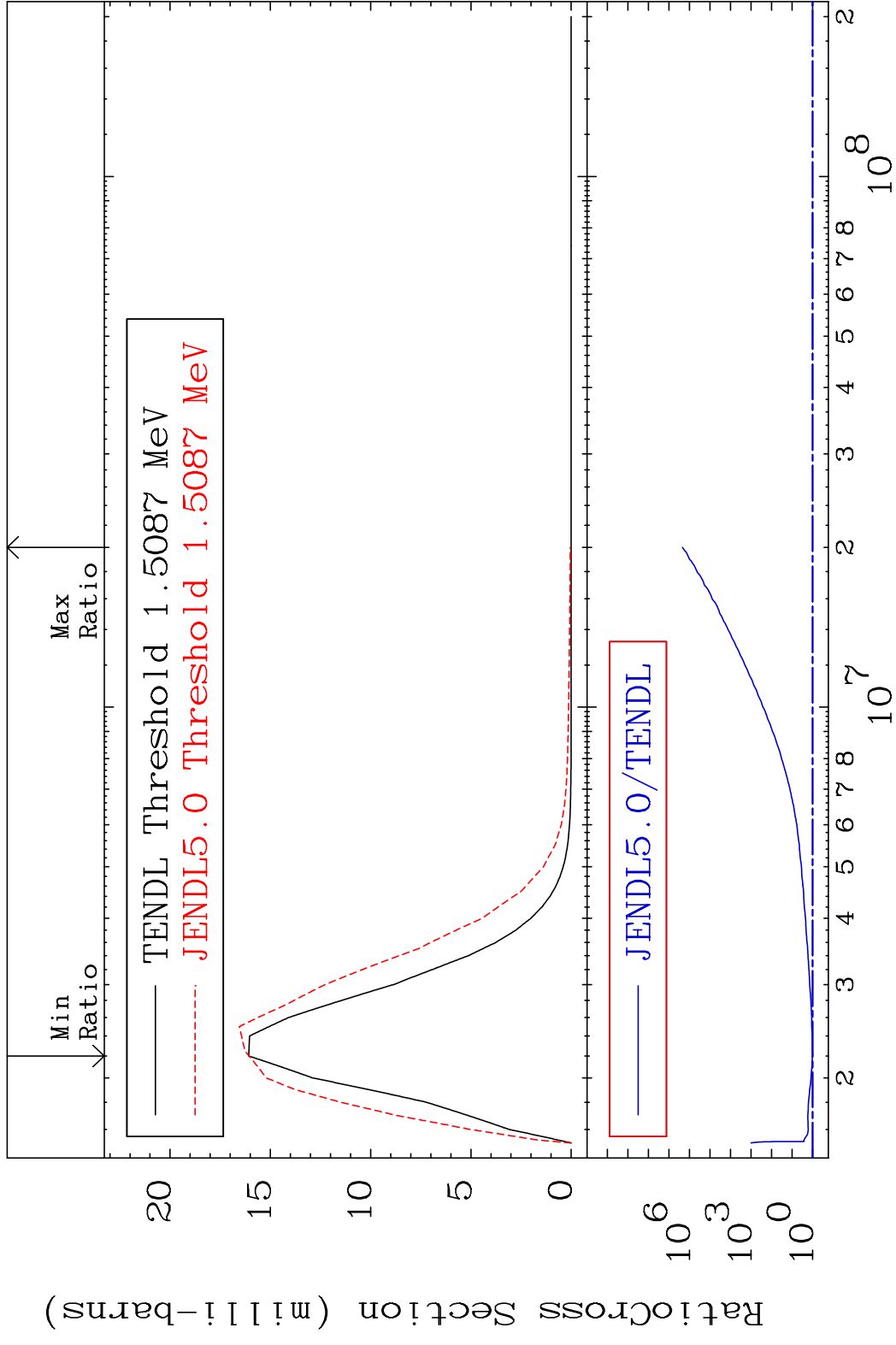
MAT 6443 MT= 74 (n, n') Level 64-Gd-158
 Cross Section 0.000 To 9999. %



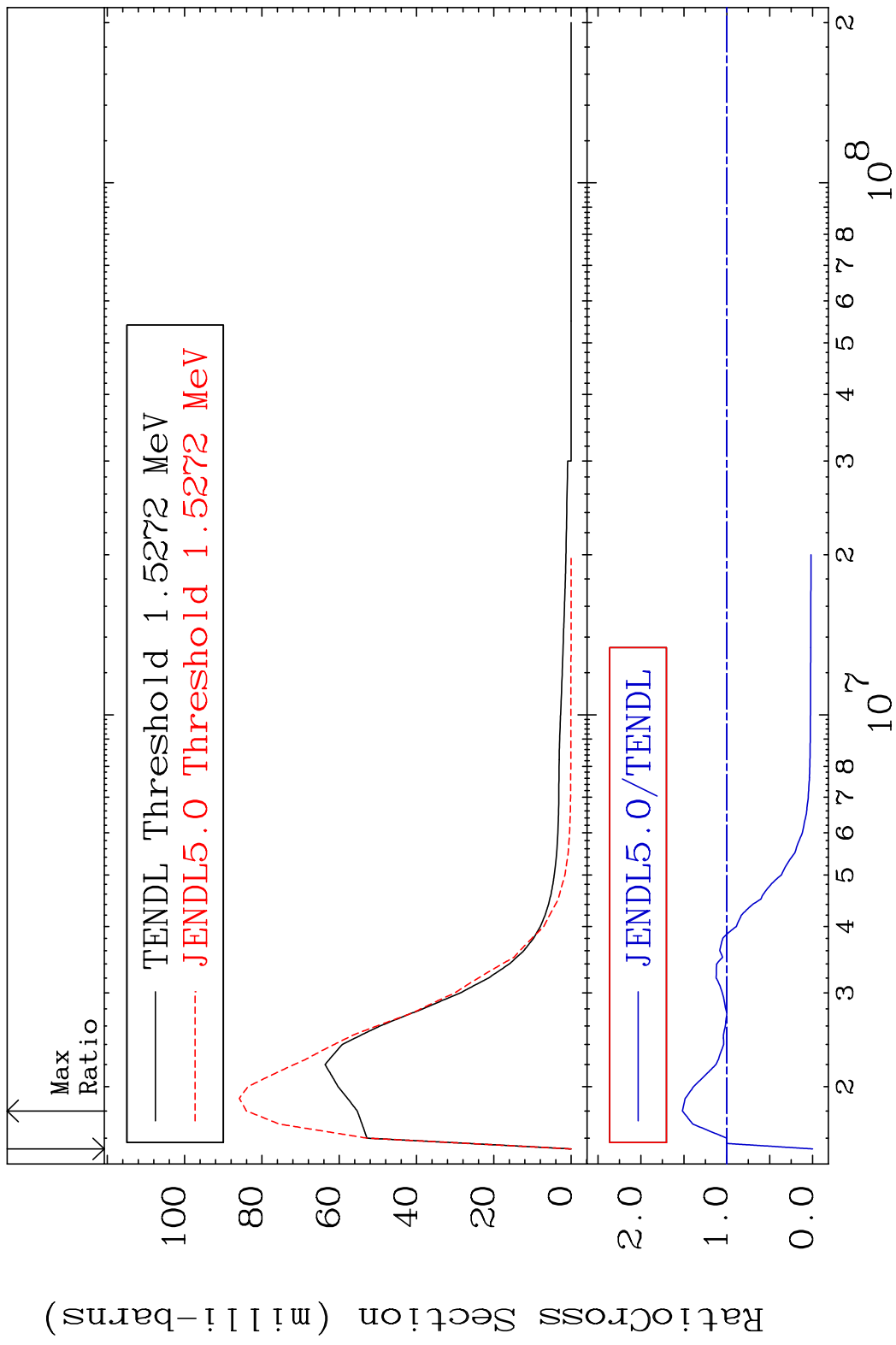
MAT 6443 MT= 75 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 9999. %



MAT 6443 MT= 76 (n, n') Level 64-Gd-158
 Cross Section -0.165 To 9999. %



MAT 6443 MT= 77 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 51.77 %

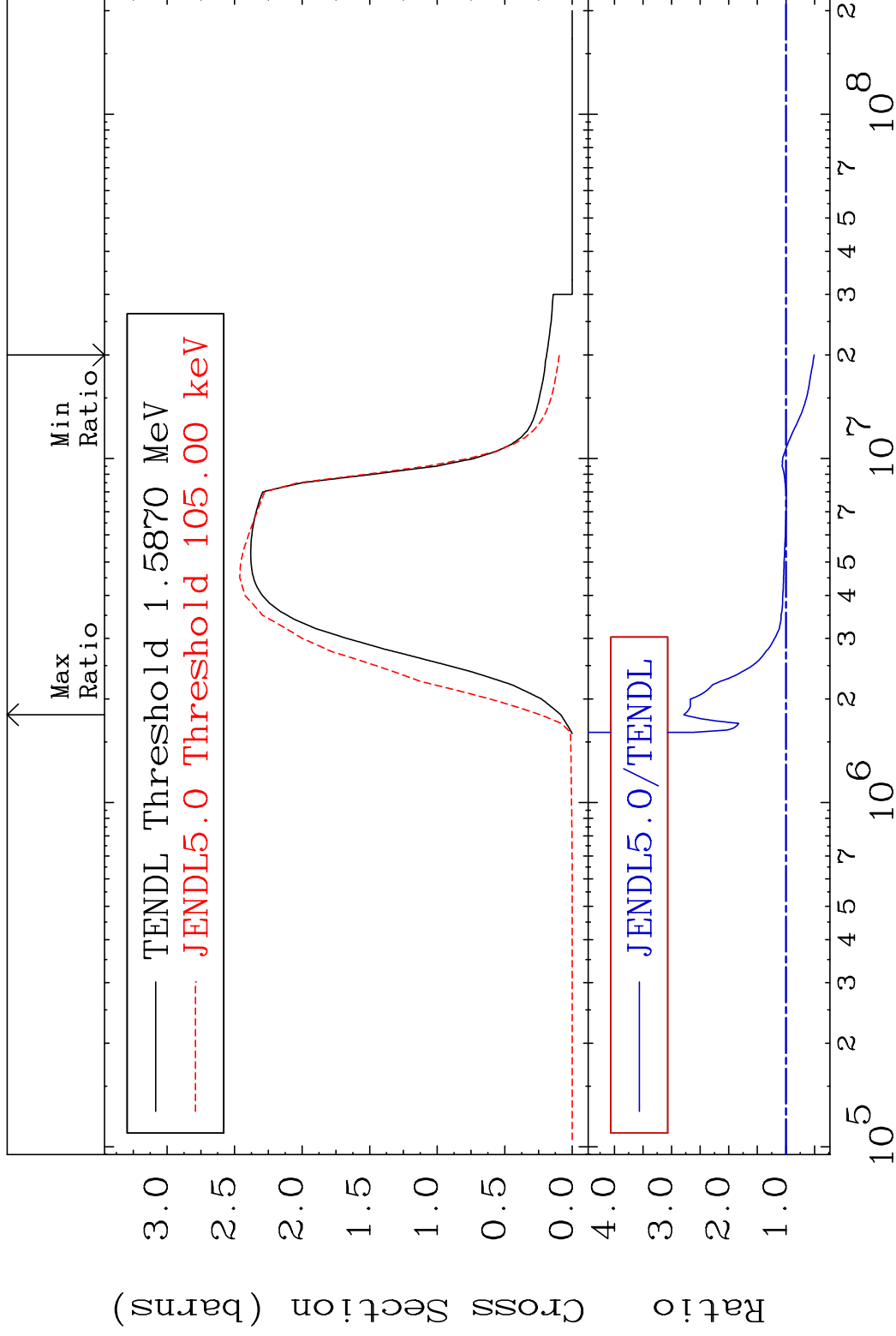


MAT 6443

(n, n') Continuum

64-Gd-158

Cross Section -49.24 To 178.8 %



37

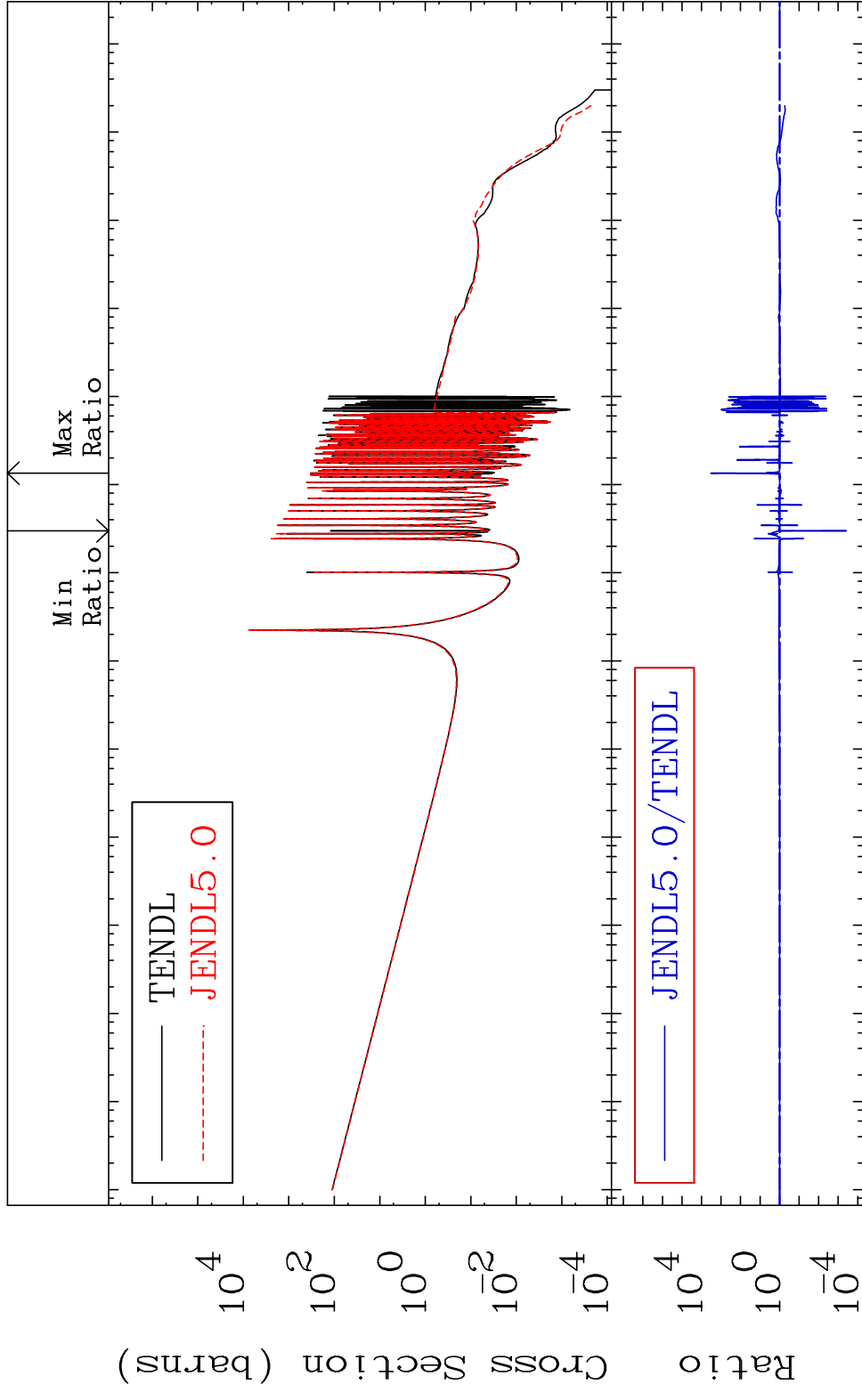
Incident Energy (eV)

64-Gd-158

MAT 6443

(n, γ)
Cross Section -99.96 To 9999. %

64-Gd-158

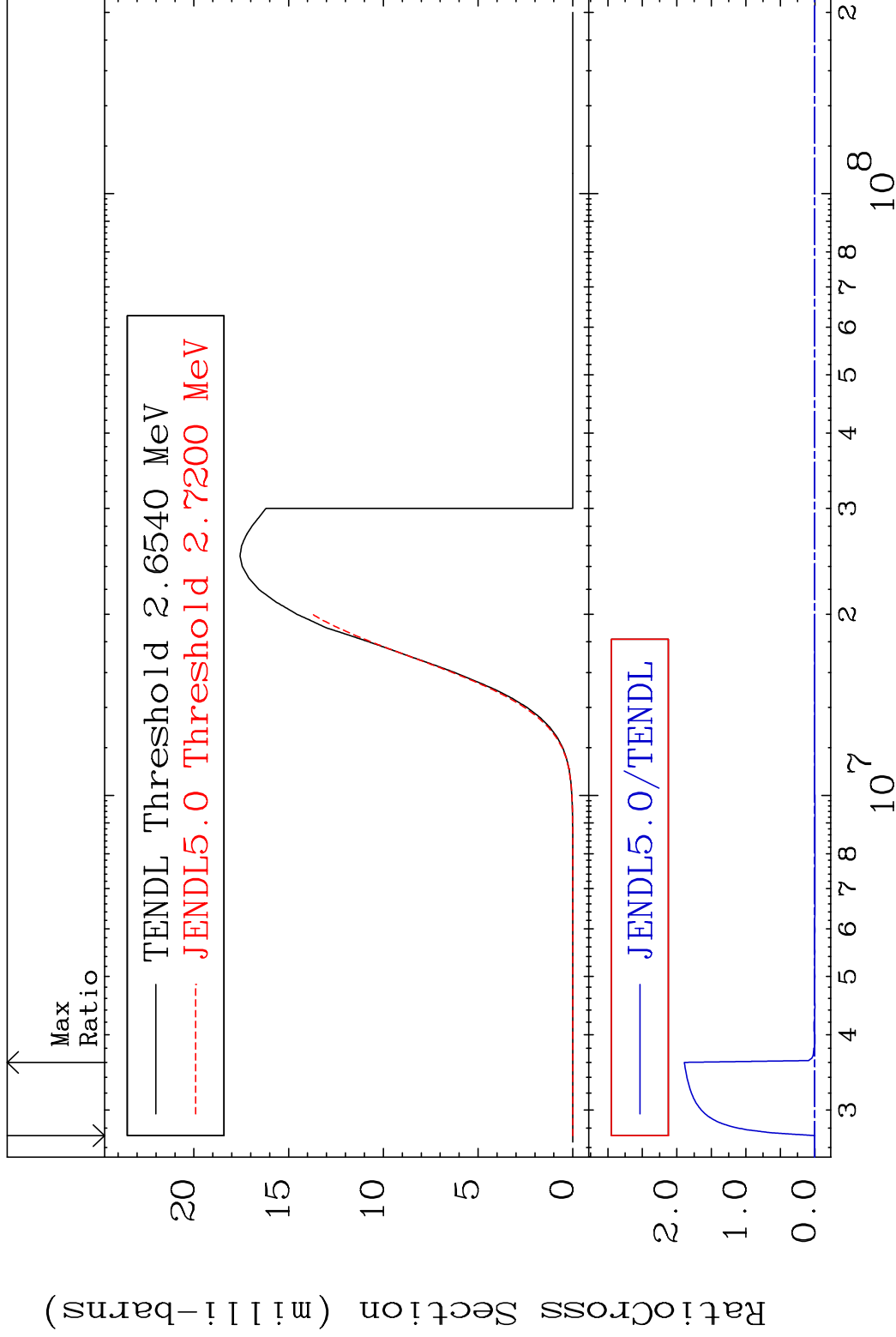


MAT 6443

(n,p)

64-Gd-158

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

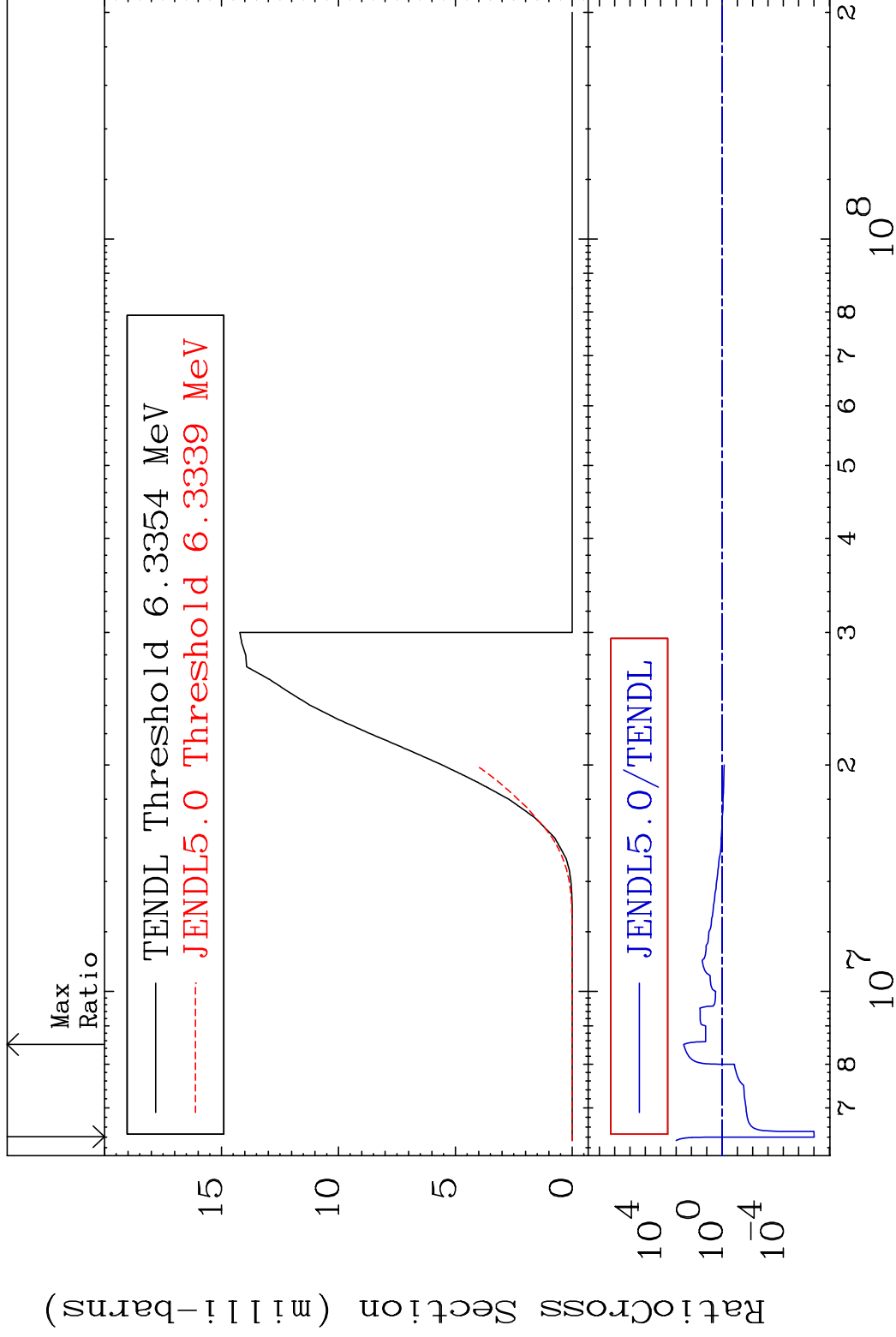
64-Gd-158

MAT 6443

(n,d)

64-Gd-158

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

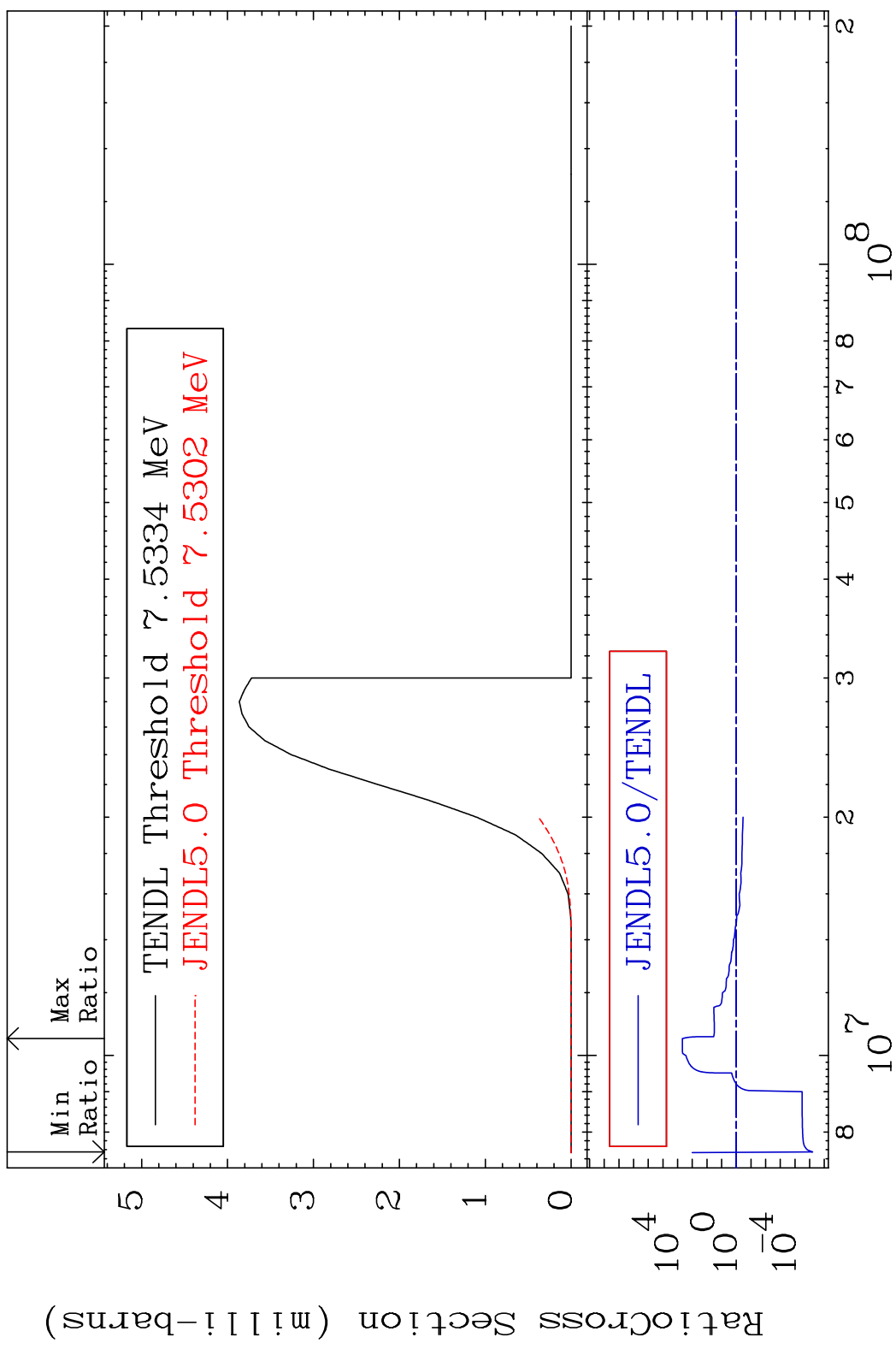
64-Gd-158

MAT 6443

(n, t)

64-Gd-158

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

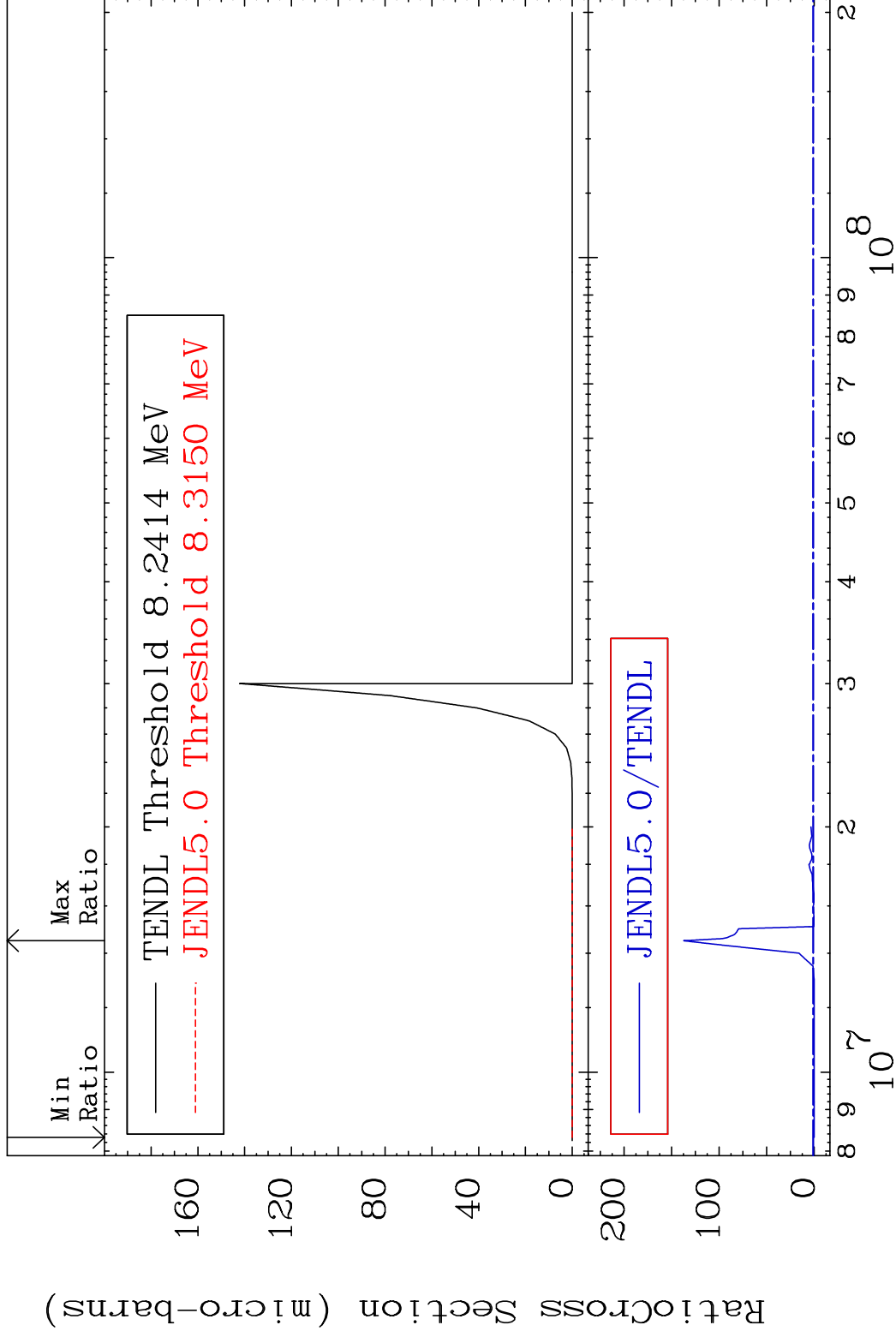
64-Gd-158

MAT 6443

(n, He-3)

64-Gd-158

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

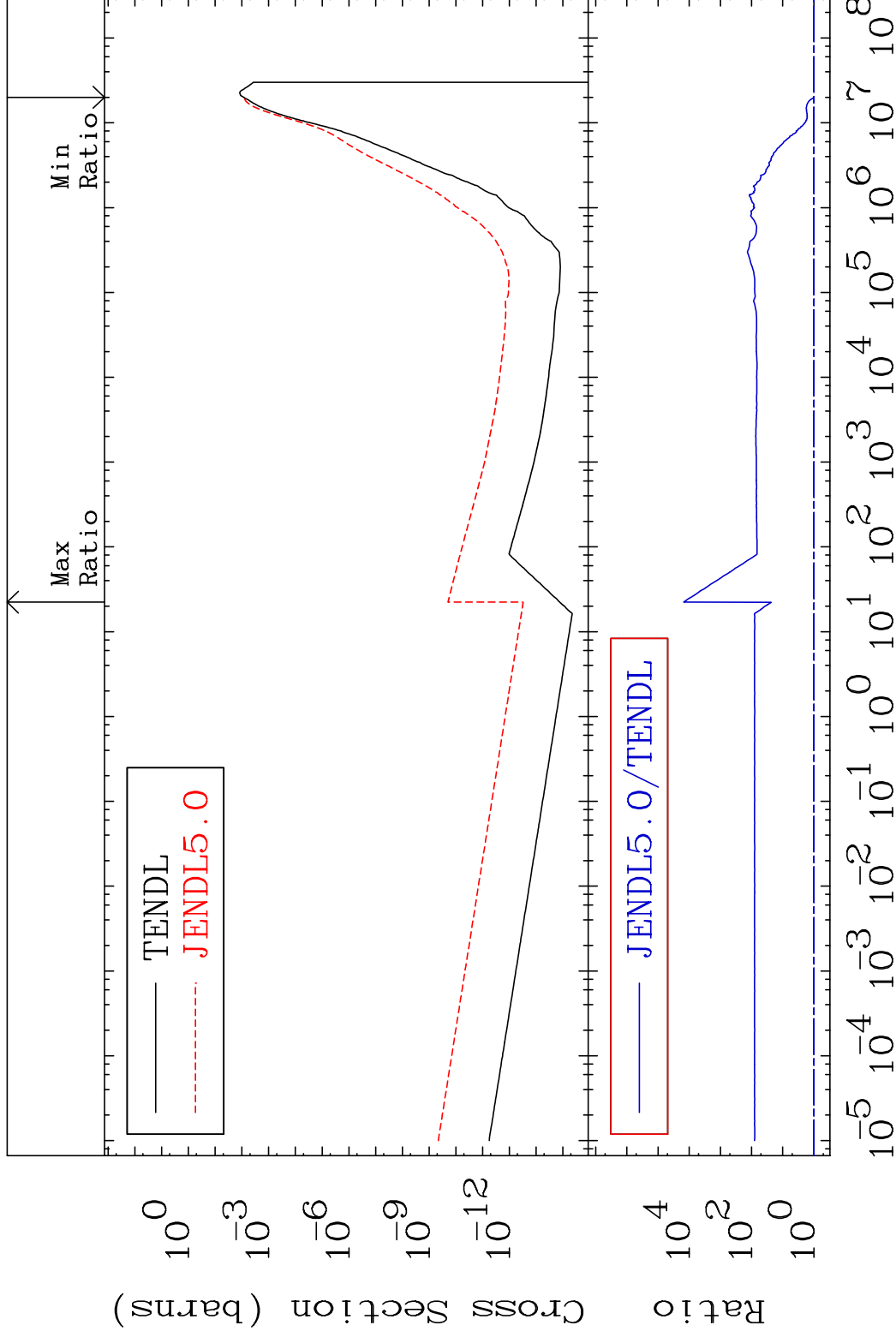
64-Gd-158

MAT 6443

(n, α)

64-Gd-158

Cross Section -1.334 To 9999. %



43

Incident Energy (eV)

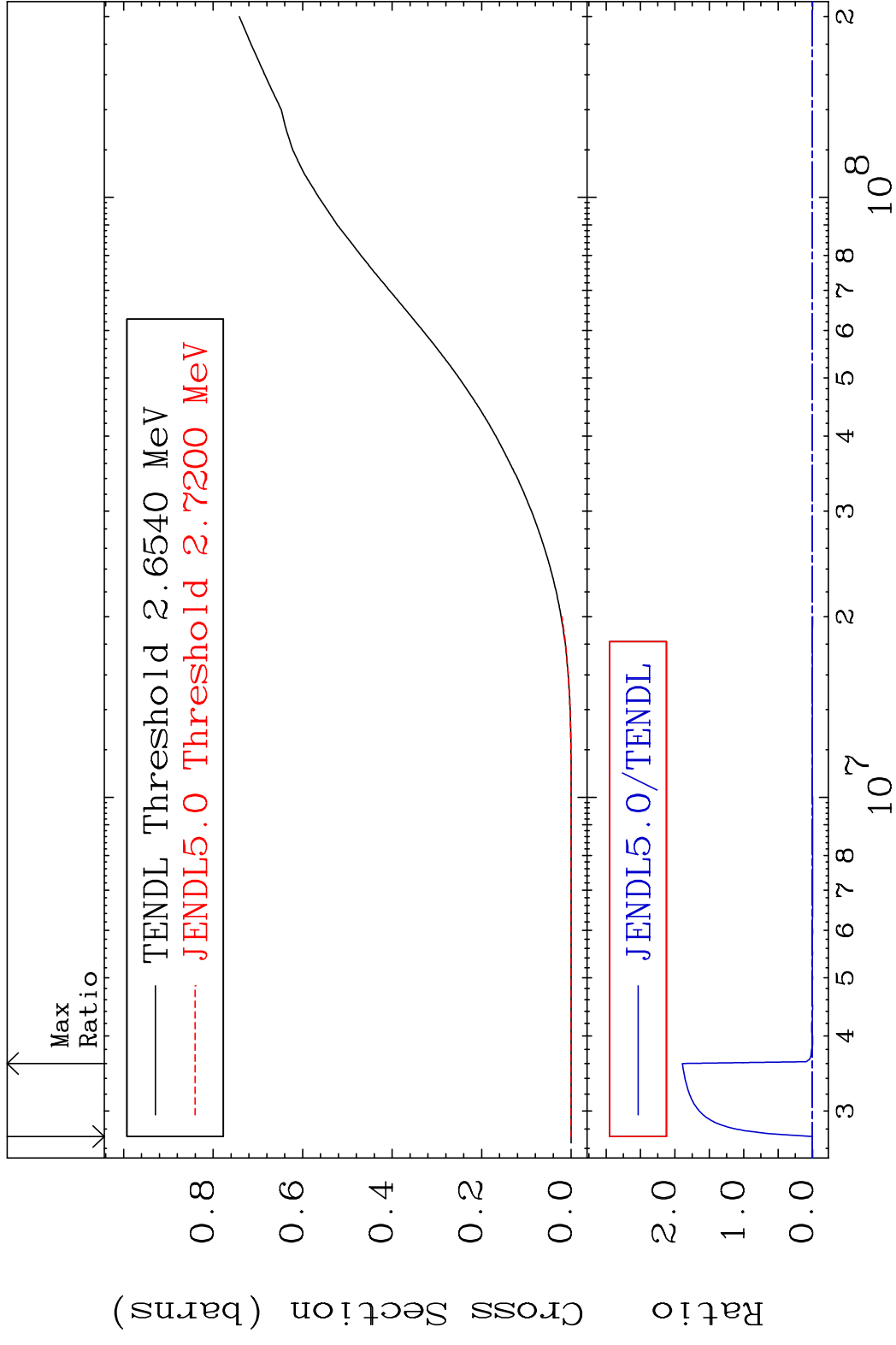
64-Gd-158

MAT 6443

Hydrogen Production

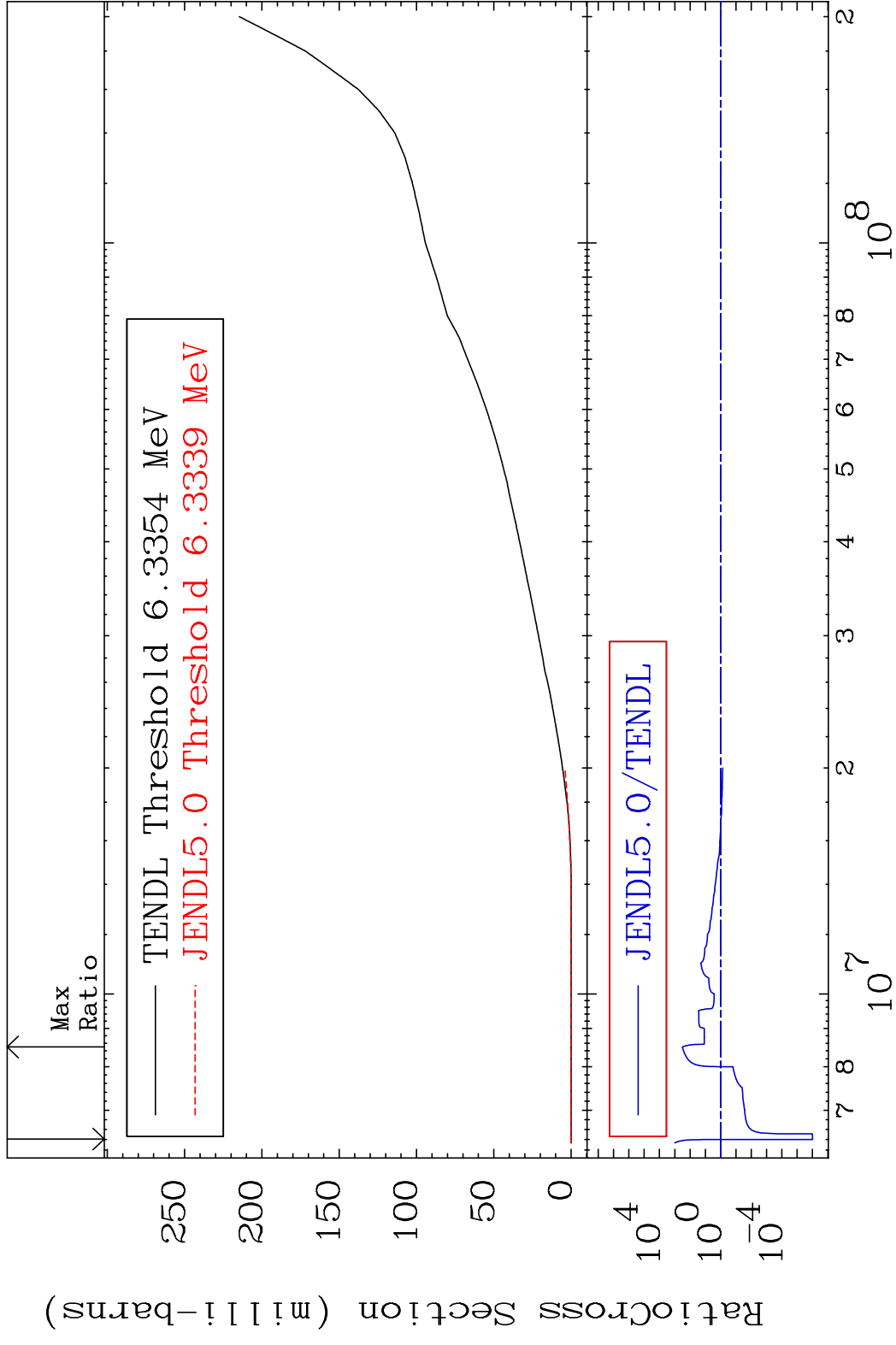
64-Gd-158

Cross Section -100.0 To 9999. %



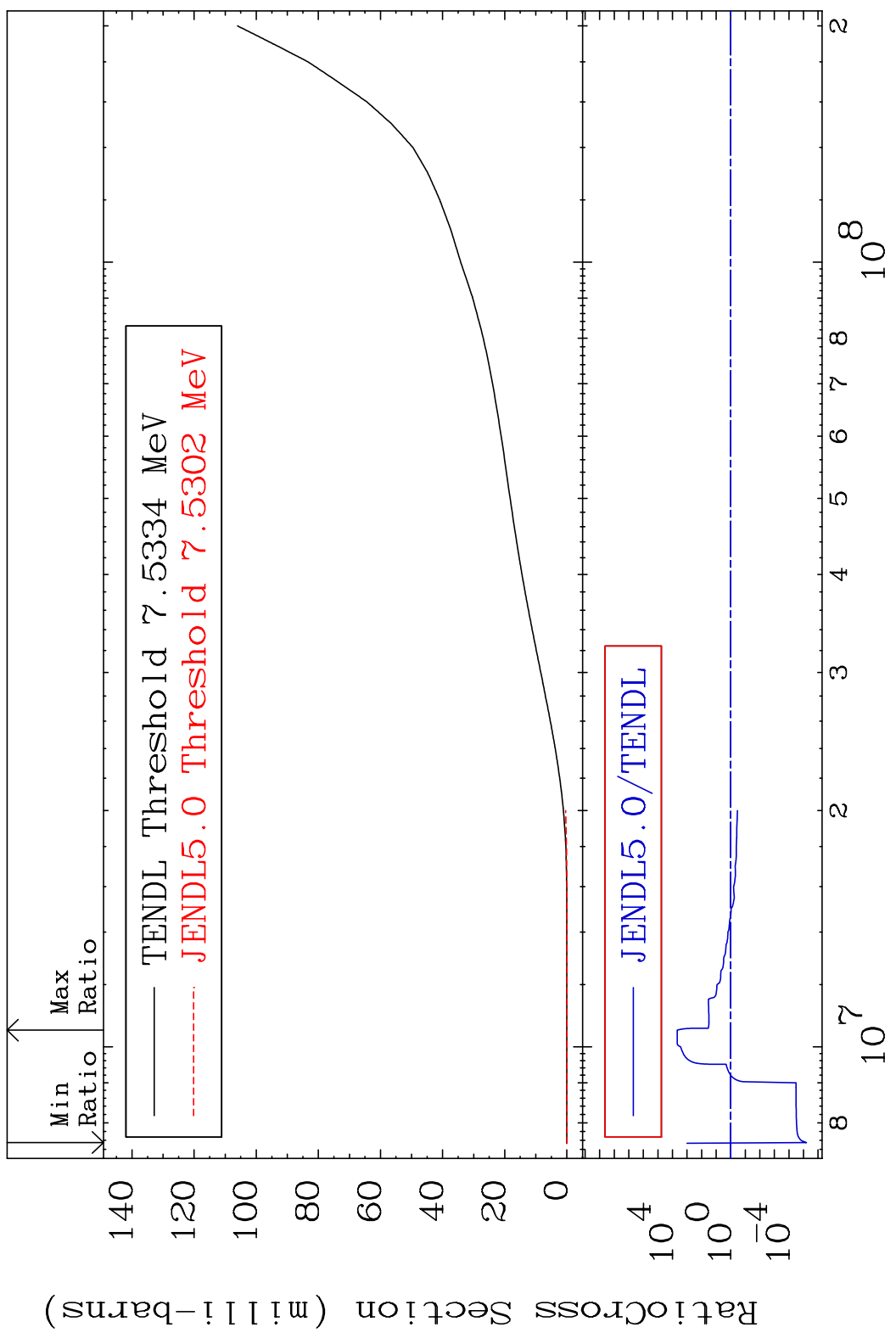
MAT 6443

Deuterium Production 64-Gd-158
Cross Section -100.0 To 9999. %



MAT 6443

Tritium Production 64-Gd-158
Cross Section -100.0 To 9999. %

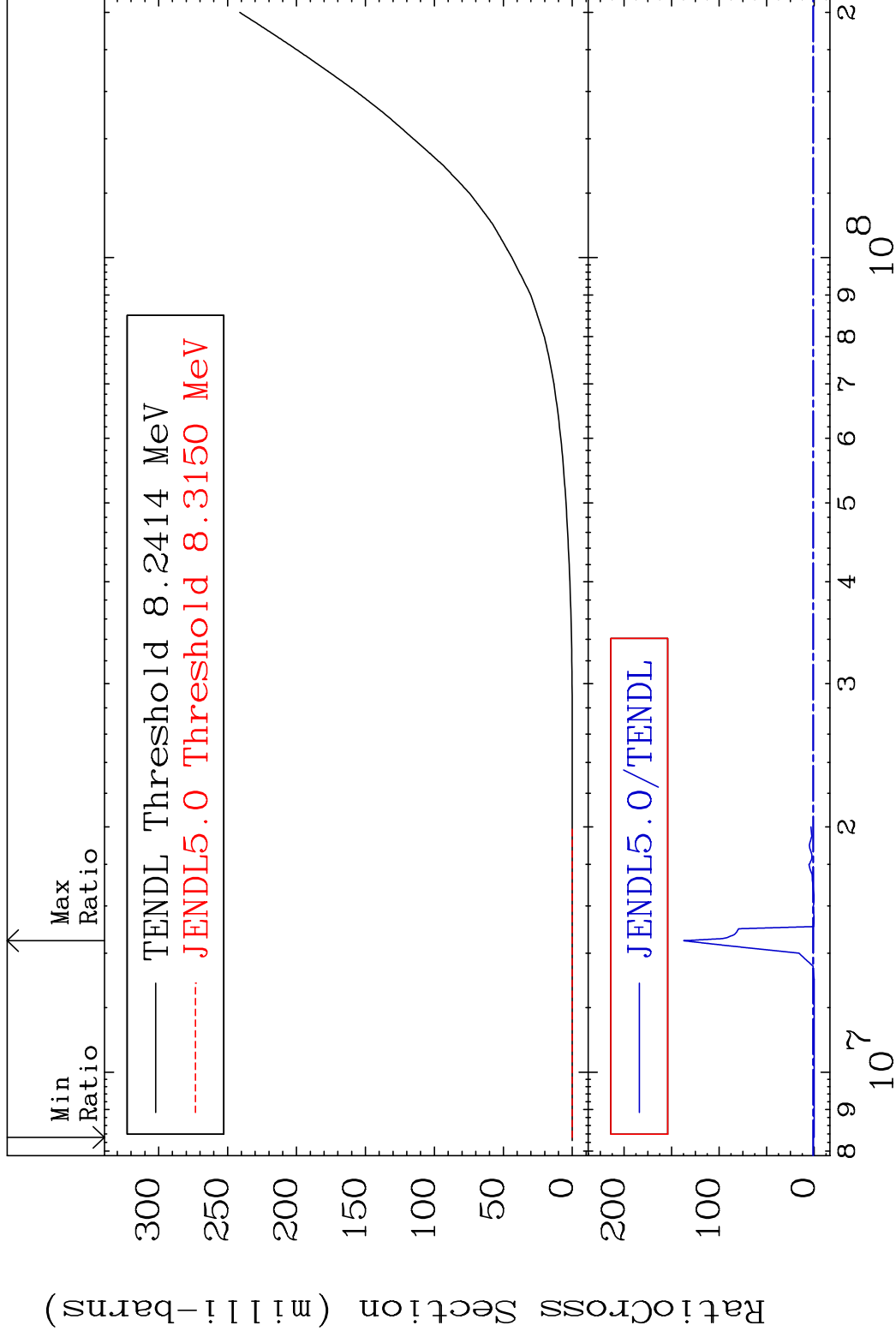


MAT 6443

He-3 Production

64-Gd-158

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

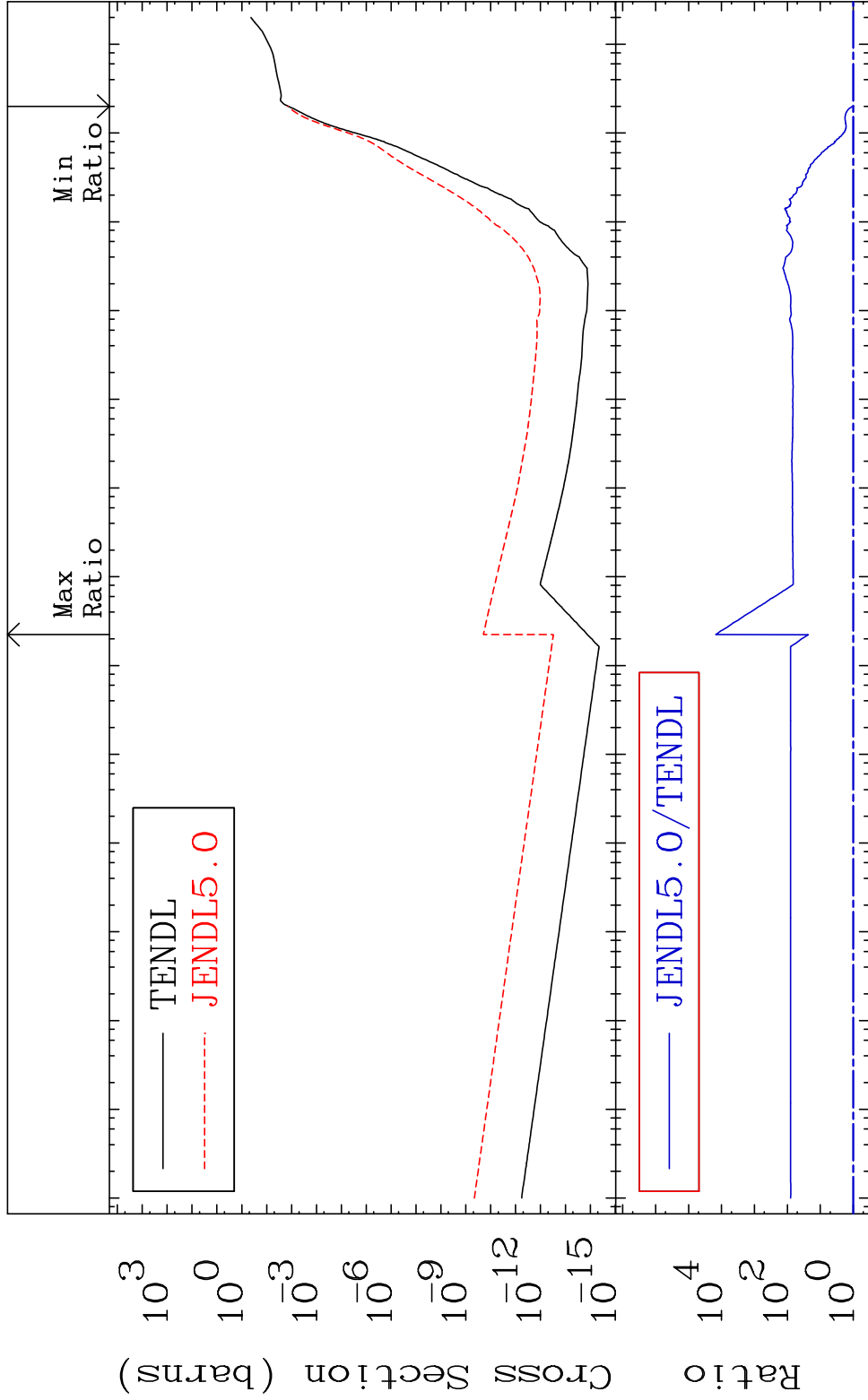
64-Gd-158

MAT 6443

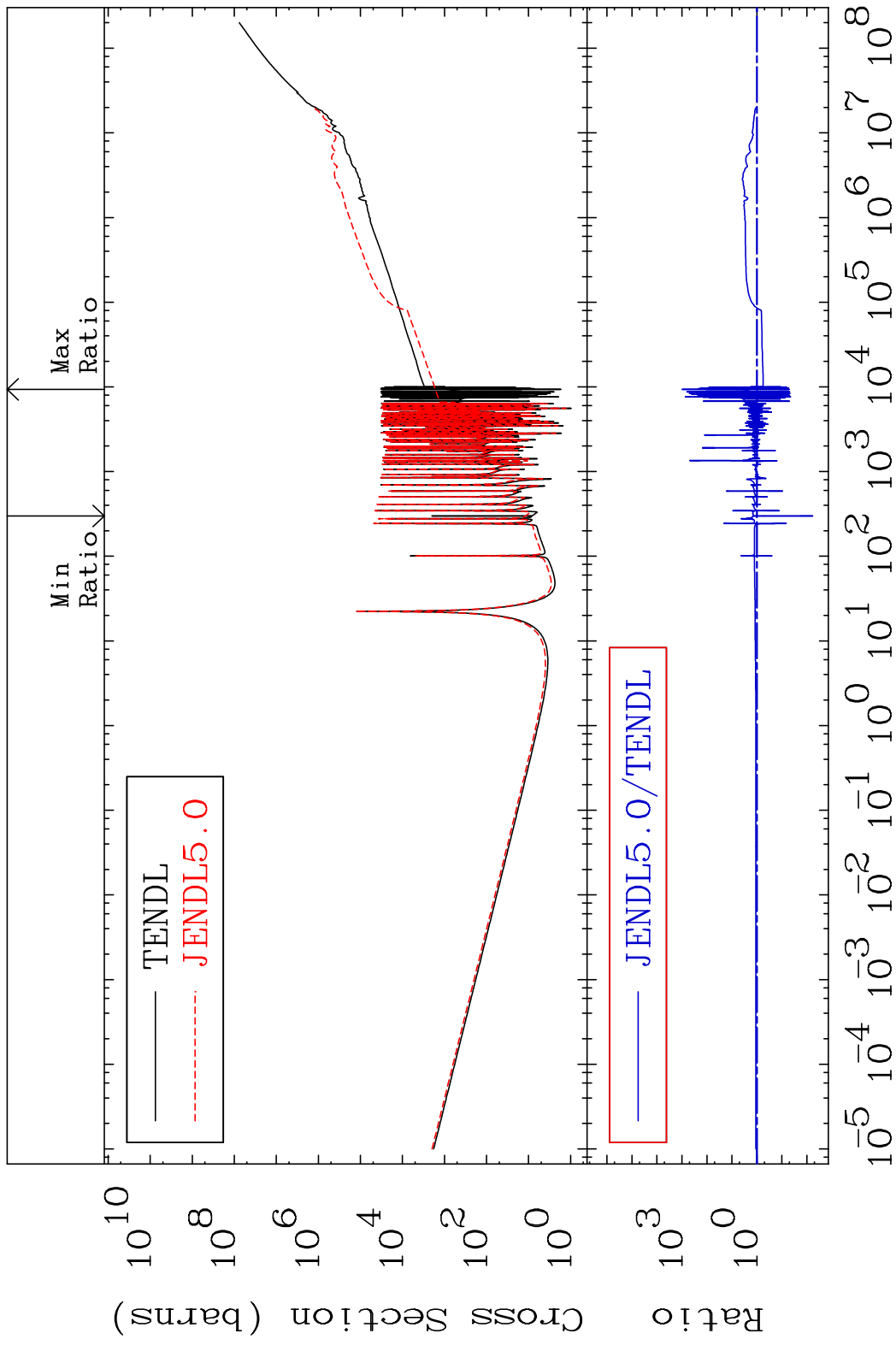
He-4 Production

64-Gd-158

Cross Section 7.458 To 9999. %



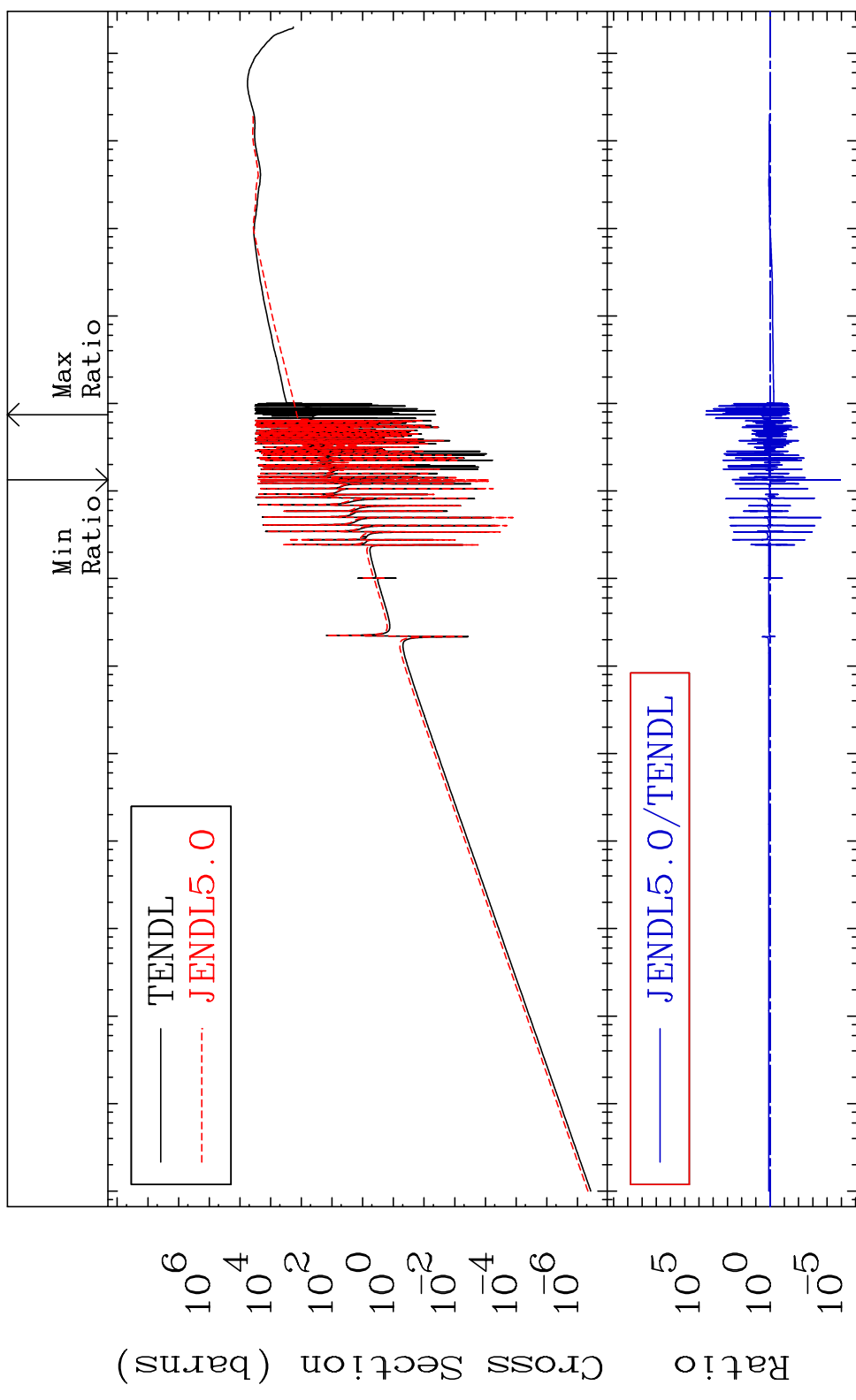
MAT 6443 Kerma total (eV-barns) 64-Gd-158
 Cross Section -99.41 To 9999. %



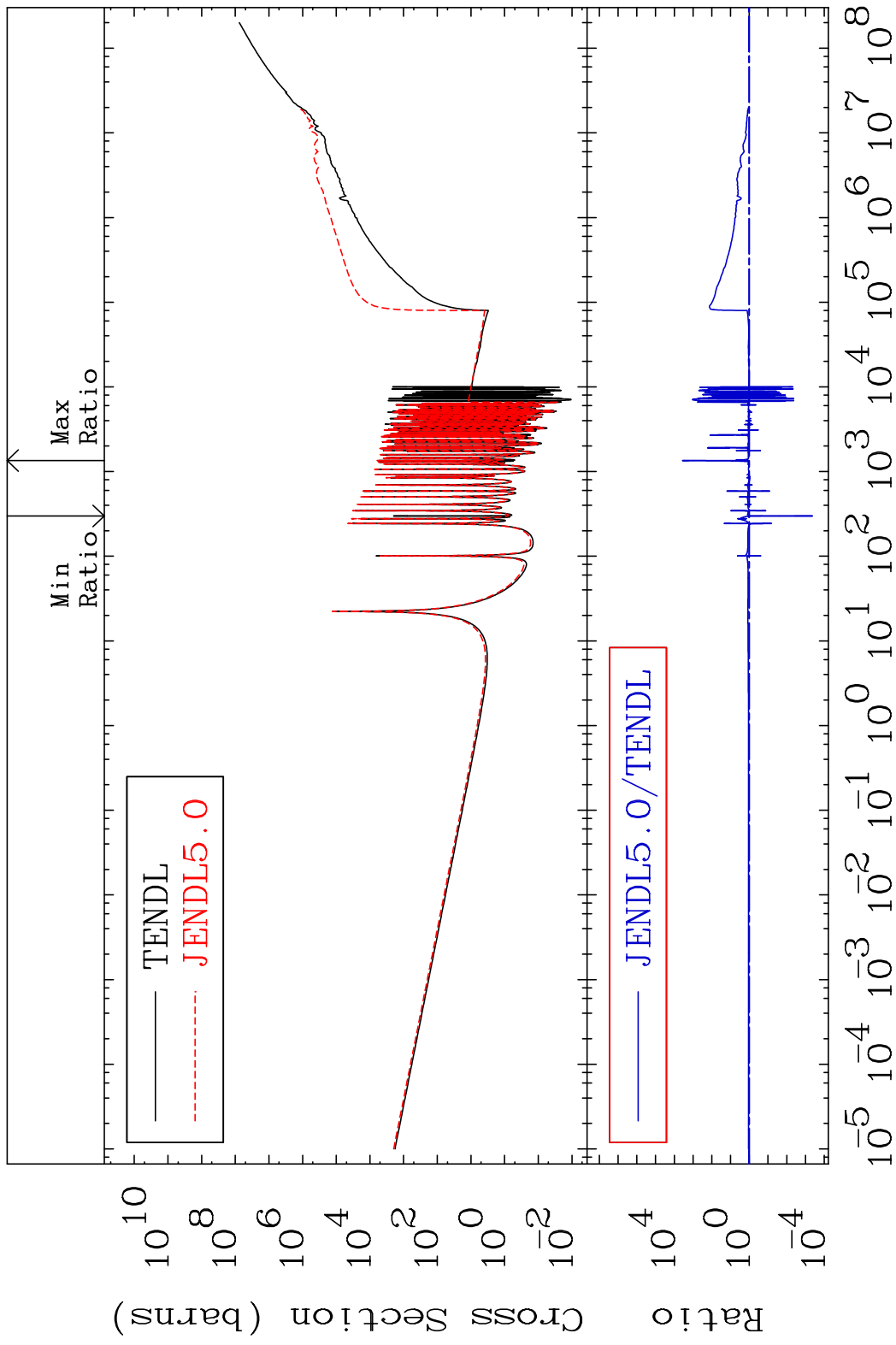
49 Incident Energy (eV) 64-Gd-158

MAT 6443

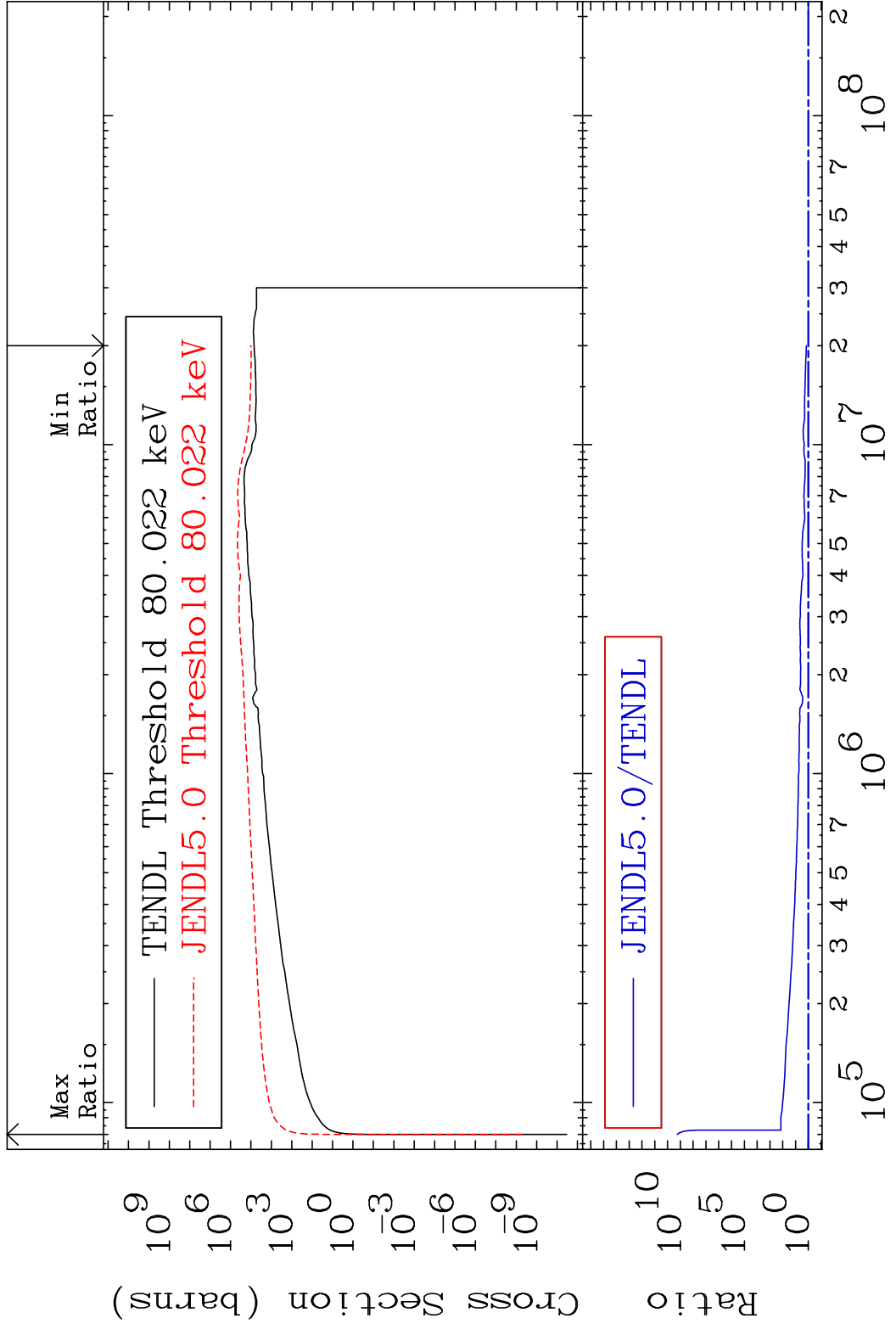
Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-158



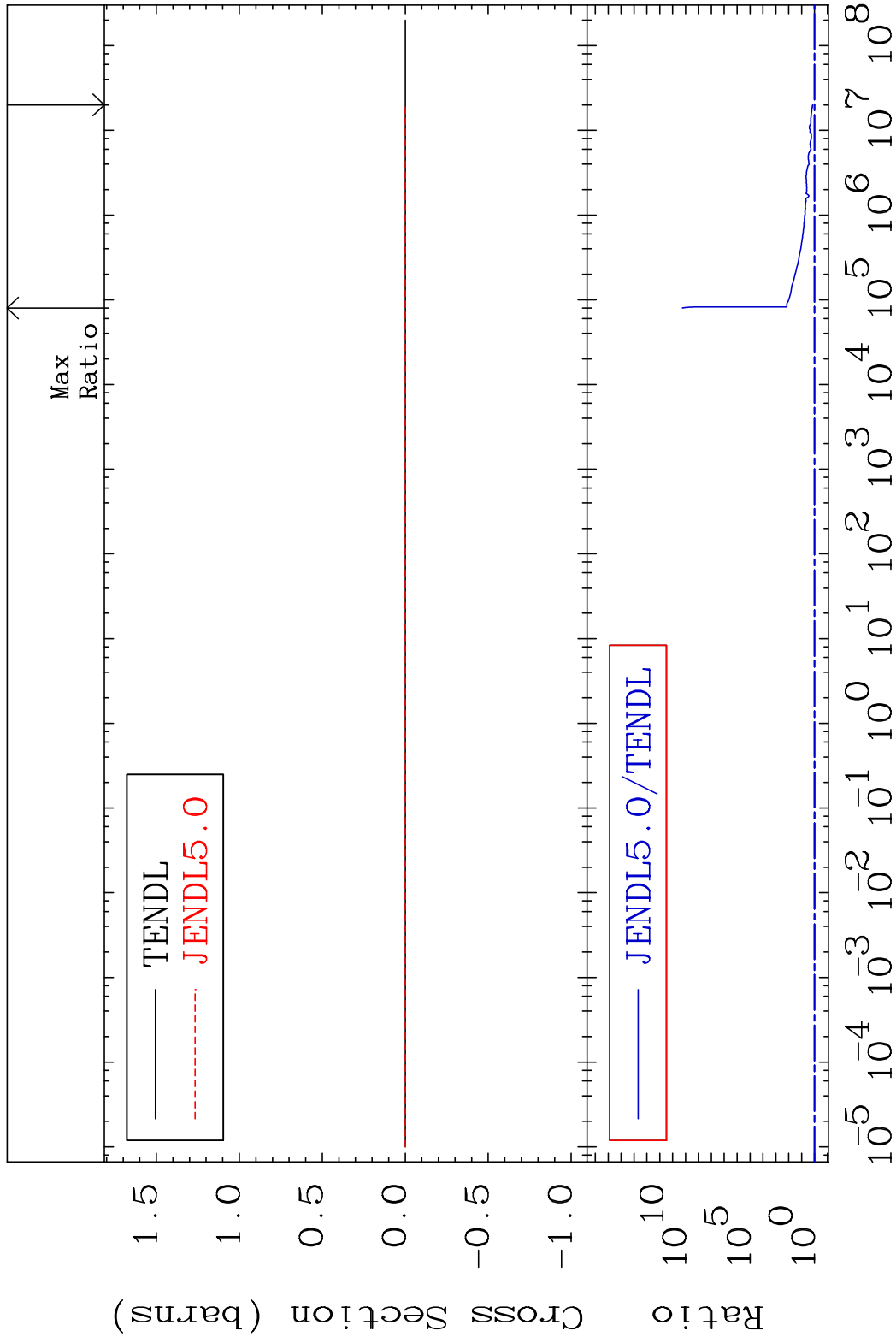
MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
 Cross Section -99.96 To 9999. %



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

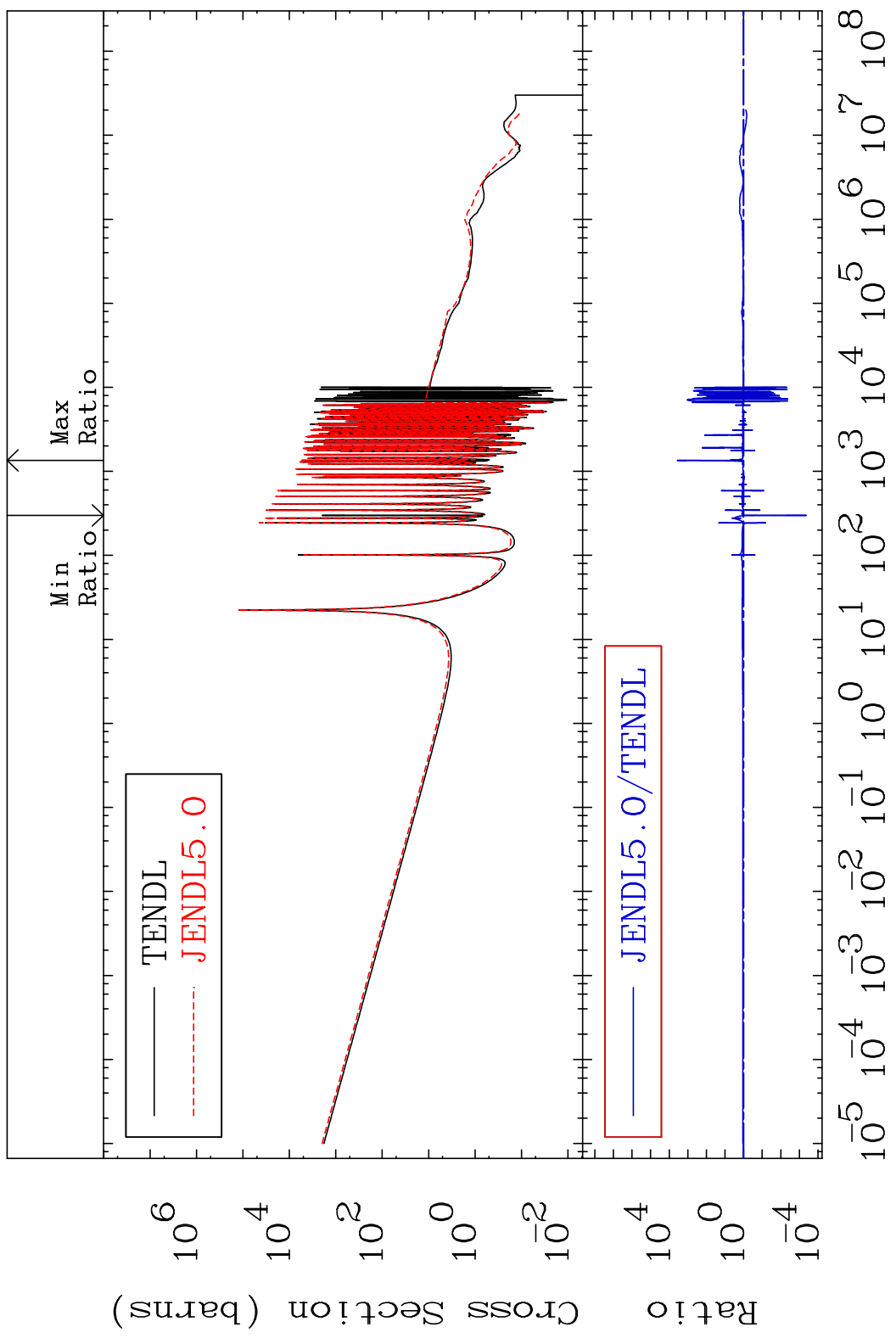


MAT 6443 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-158
 Cross Section 40.79 To 9999. %

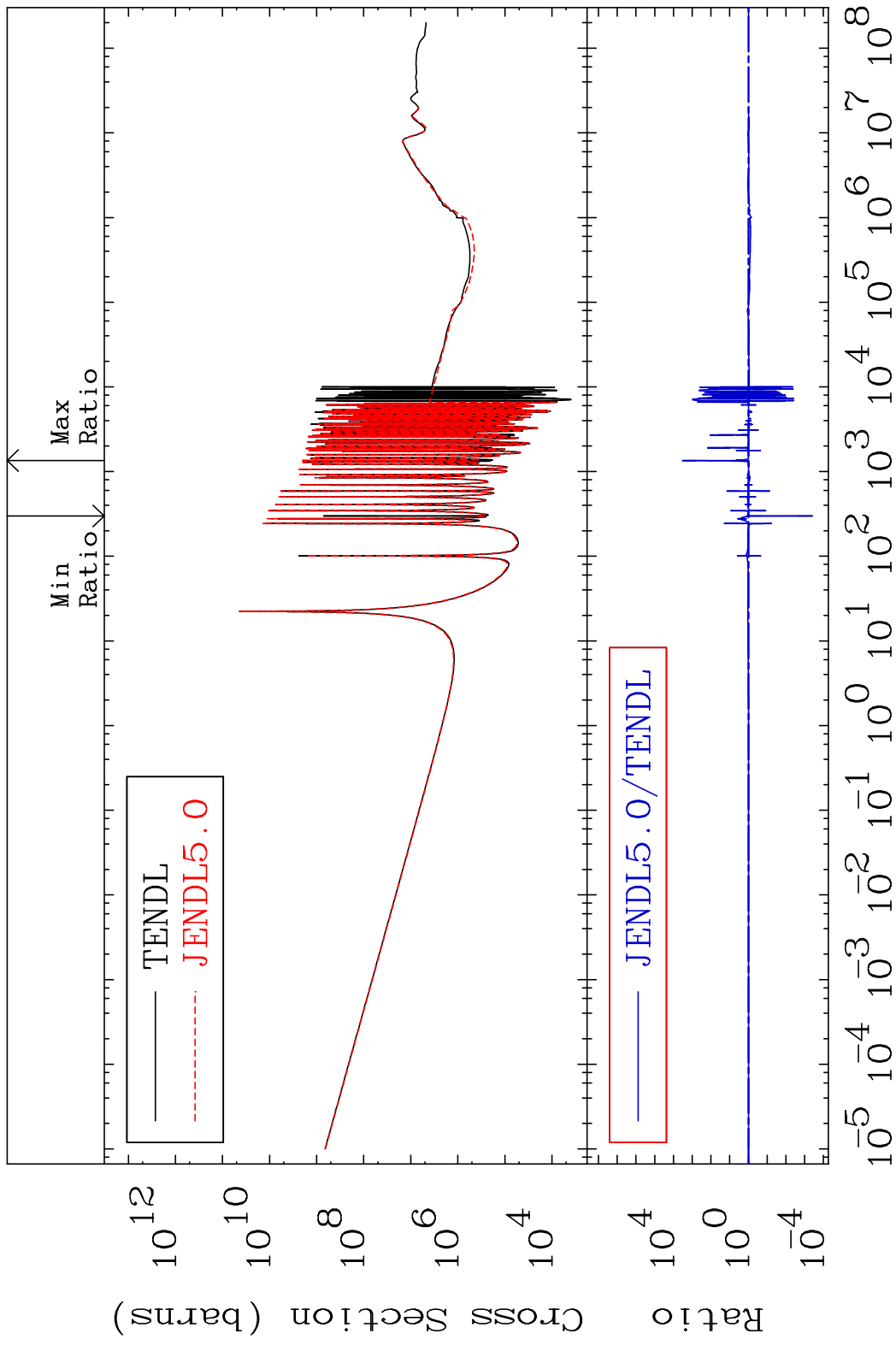


MAT 6443

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

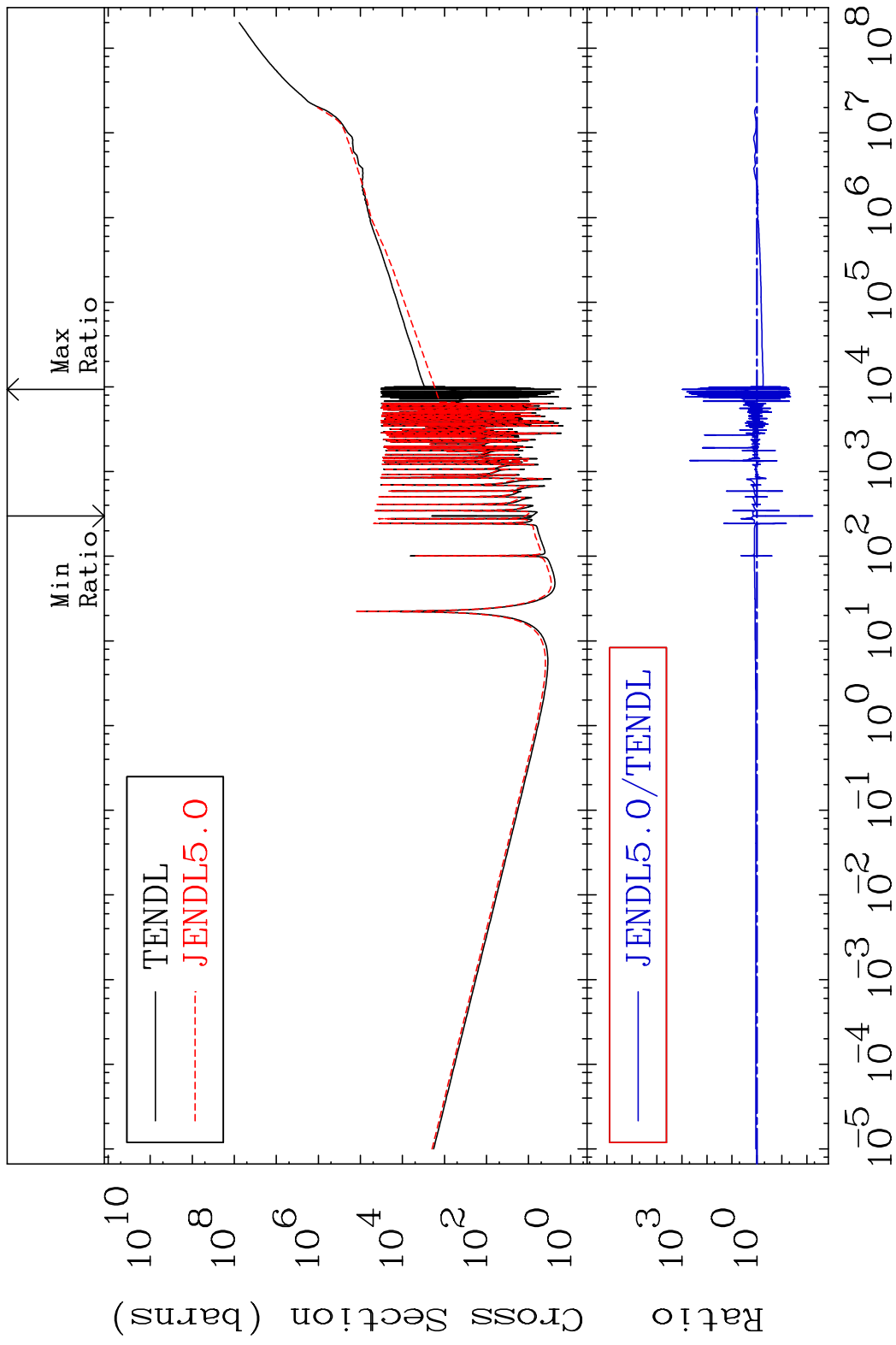


MAT 6443 Total photon (eV-barns) 64-Gd-158
 Cross Section -99.96 To 9999. %

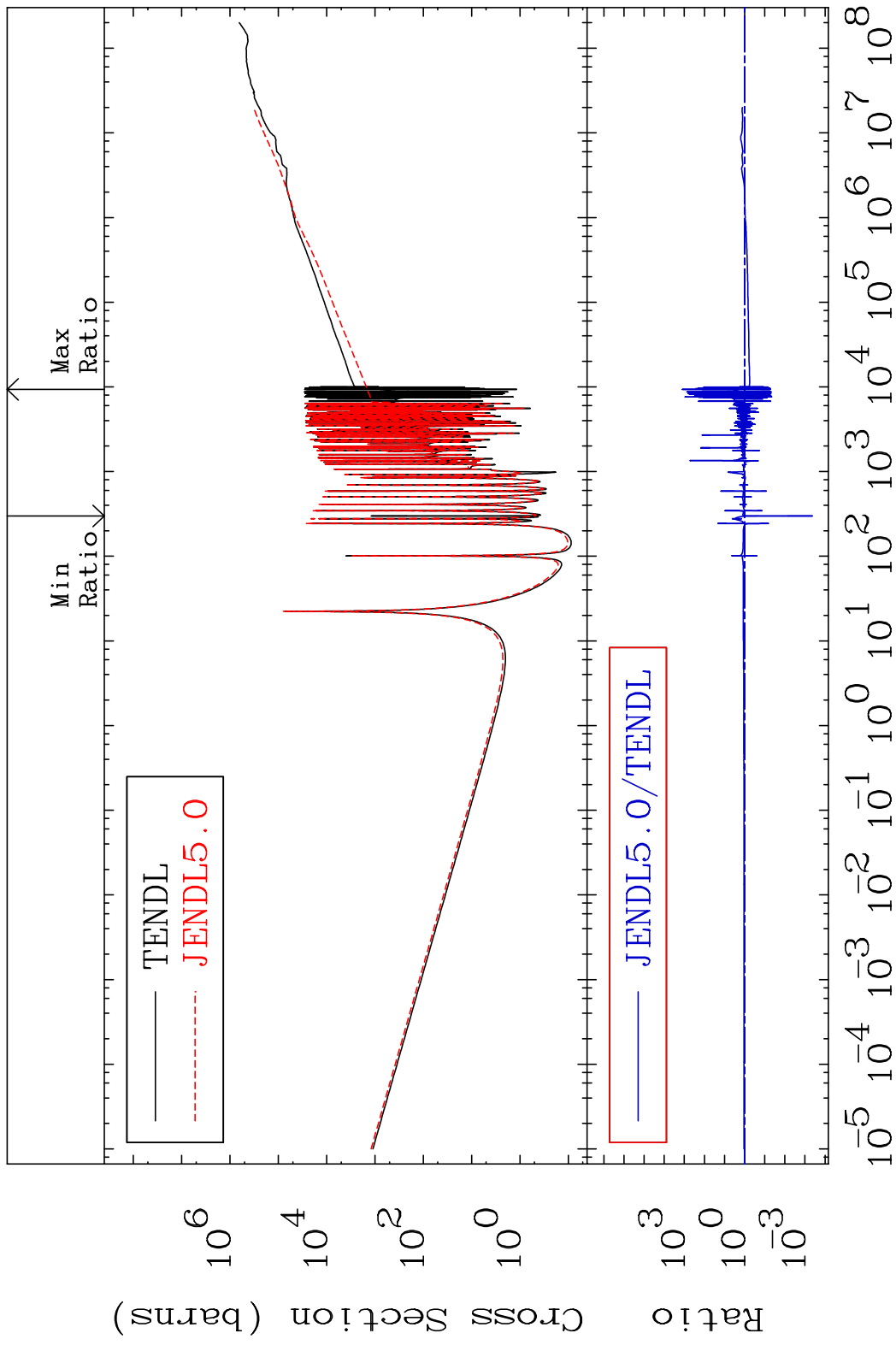


55 Incident Energy (eV) 64-Gd-158

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. %

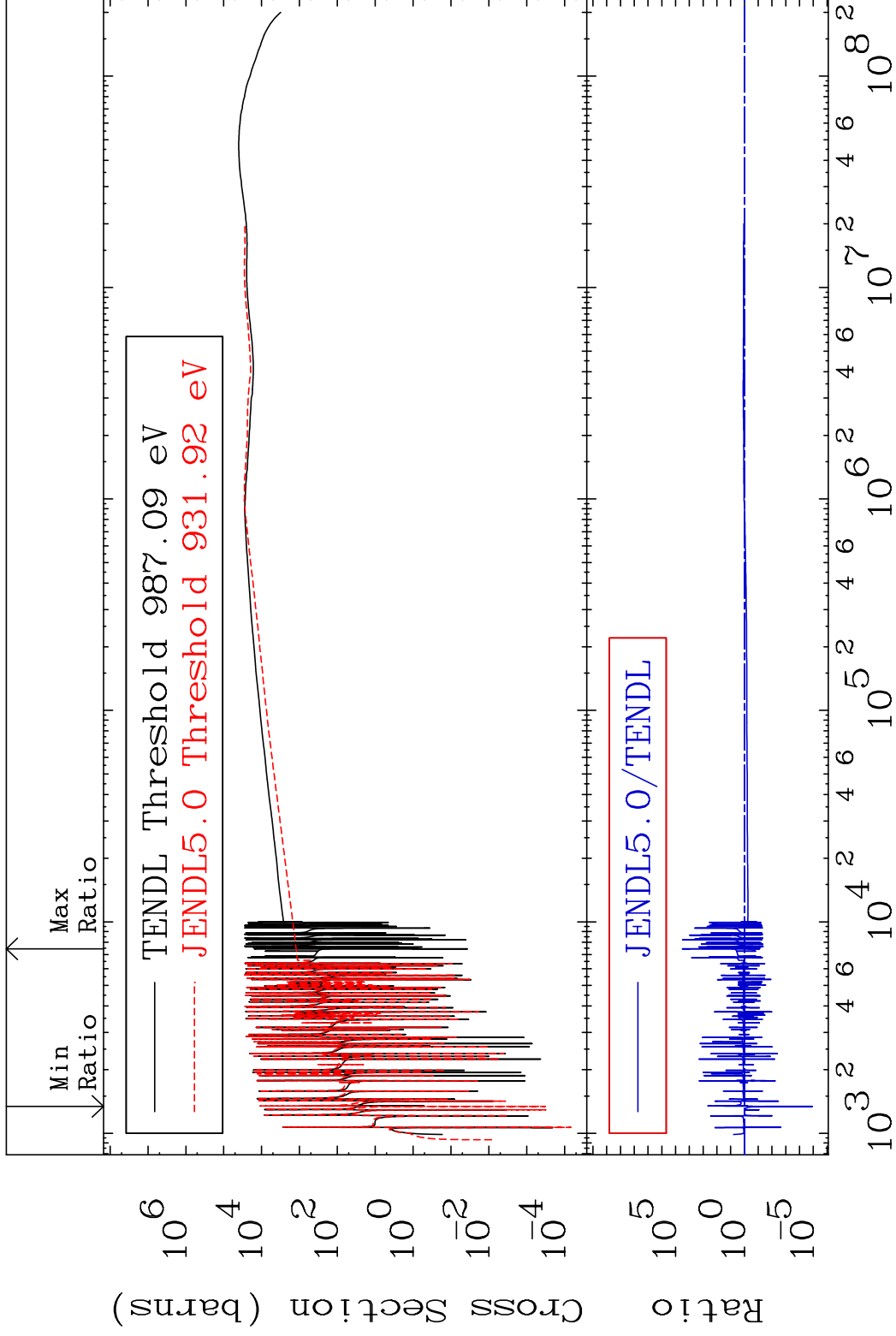


MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -100.0 To 9999. %

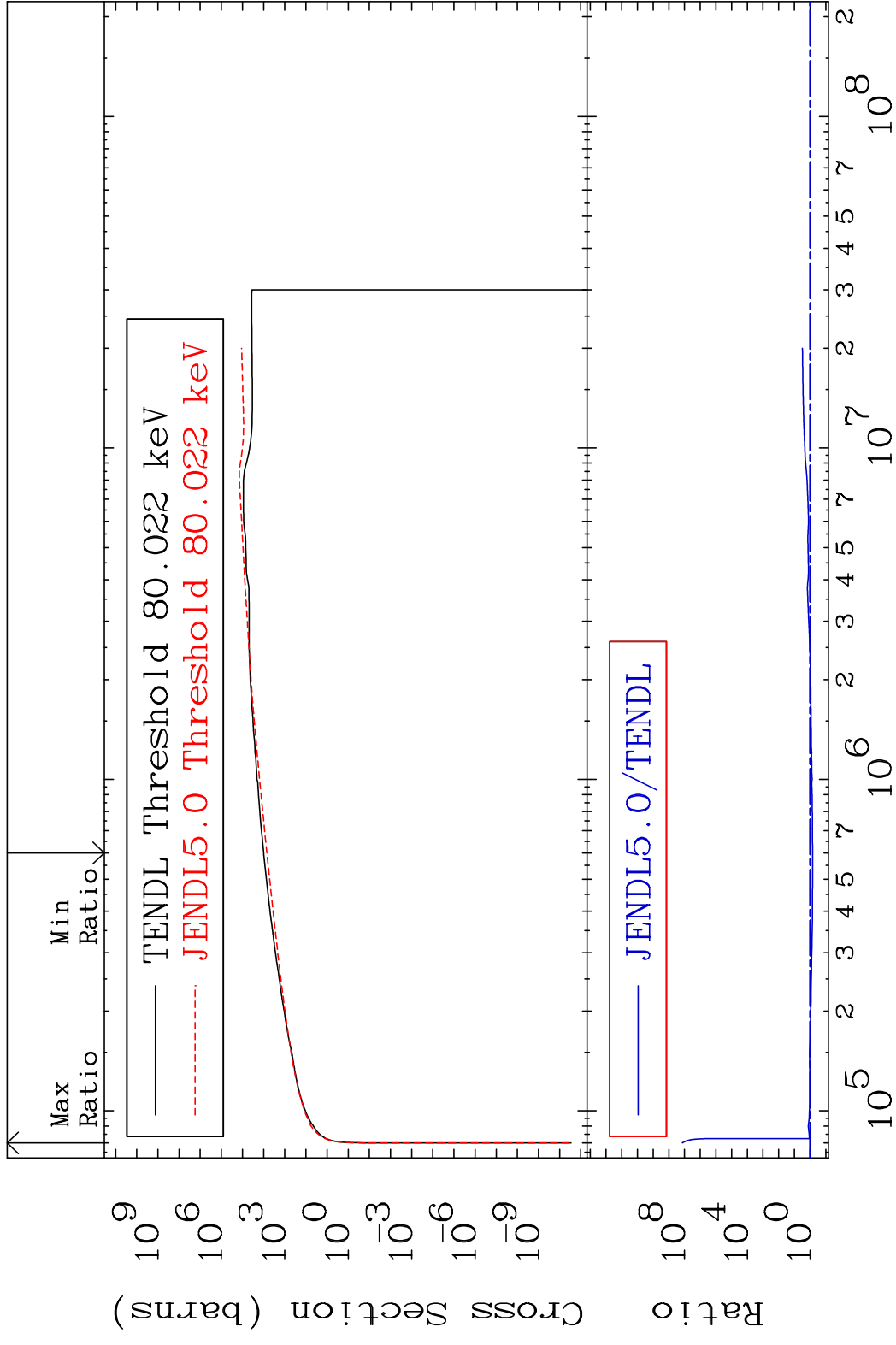


58

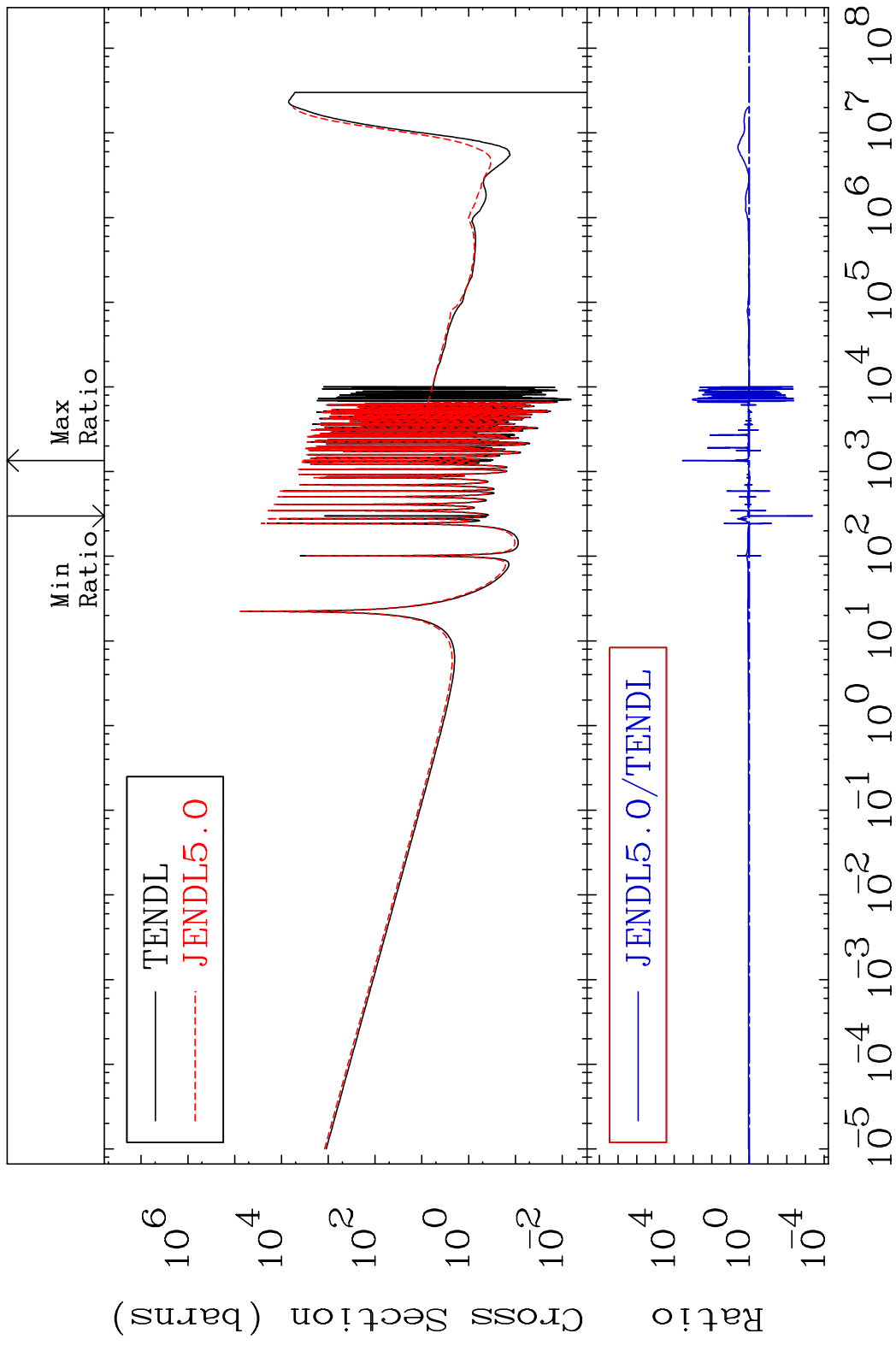
Incident Energy (eV)

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. %



60 Incident Energy (eV) 64-Gd-158