

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

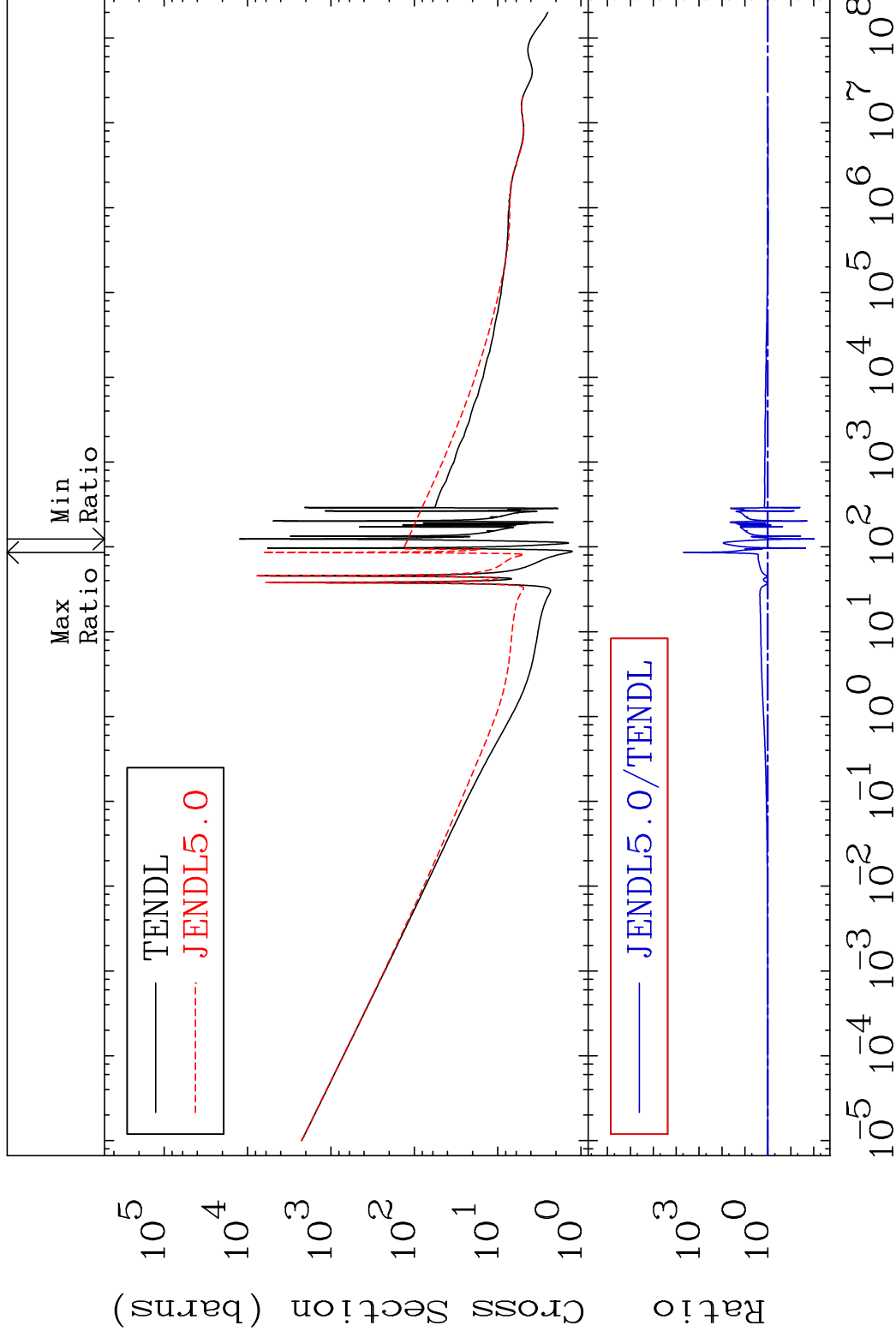
MAT 6631

Total

66-Dy-158

Cross Section

-99.04 To 9999. %



1

Incident Energy (eV)

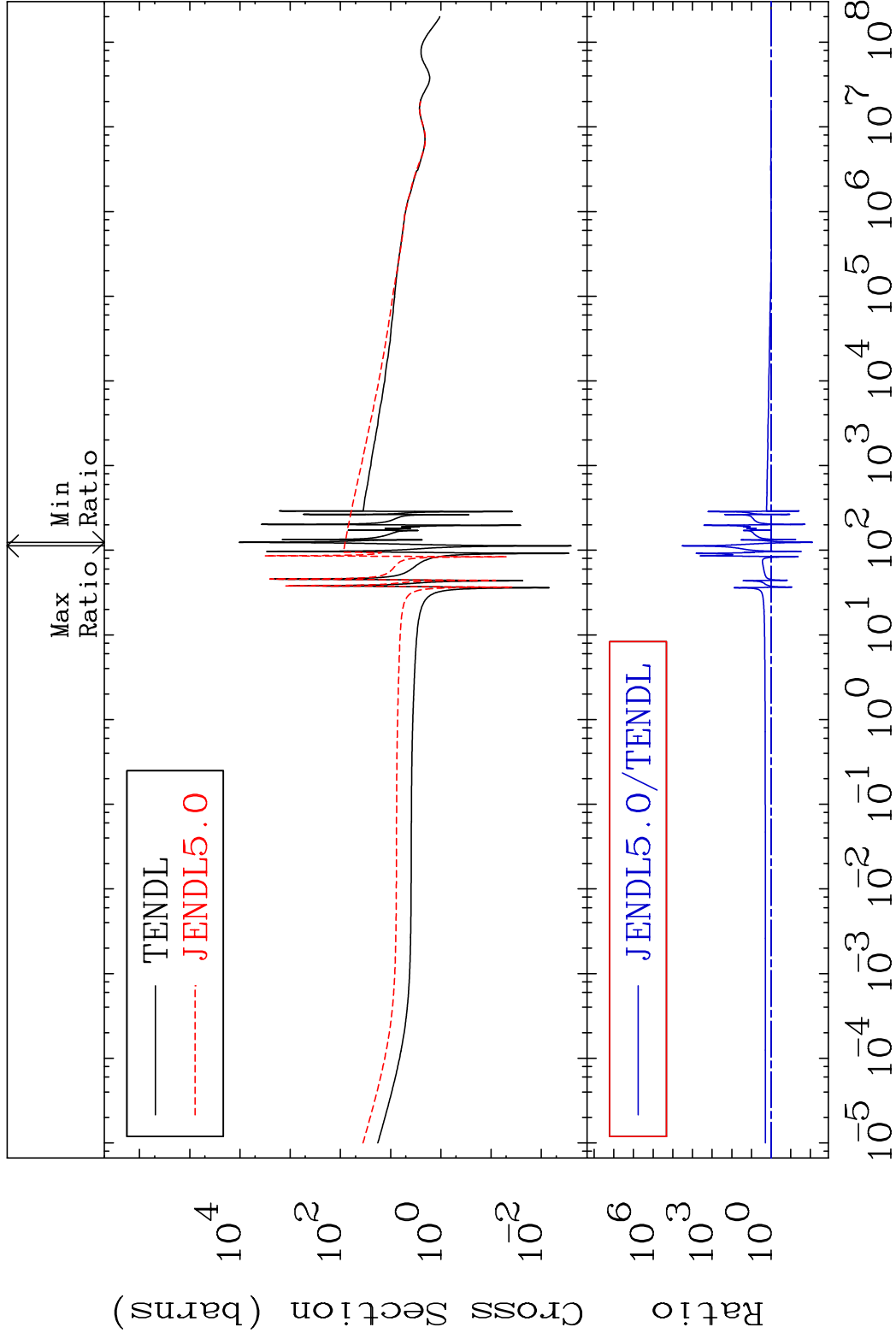
66-Dy-158

MAT 6631

Elastic

66-Dy-158

Cross Section -99.22 To 9999. %



2

Incident Energy (eV)

66-Dy-158

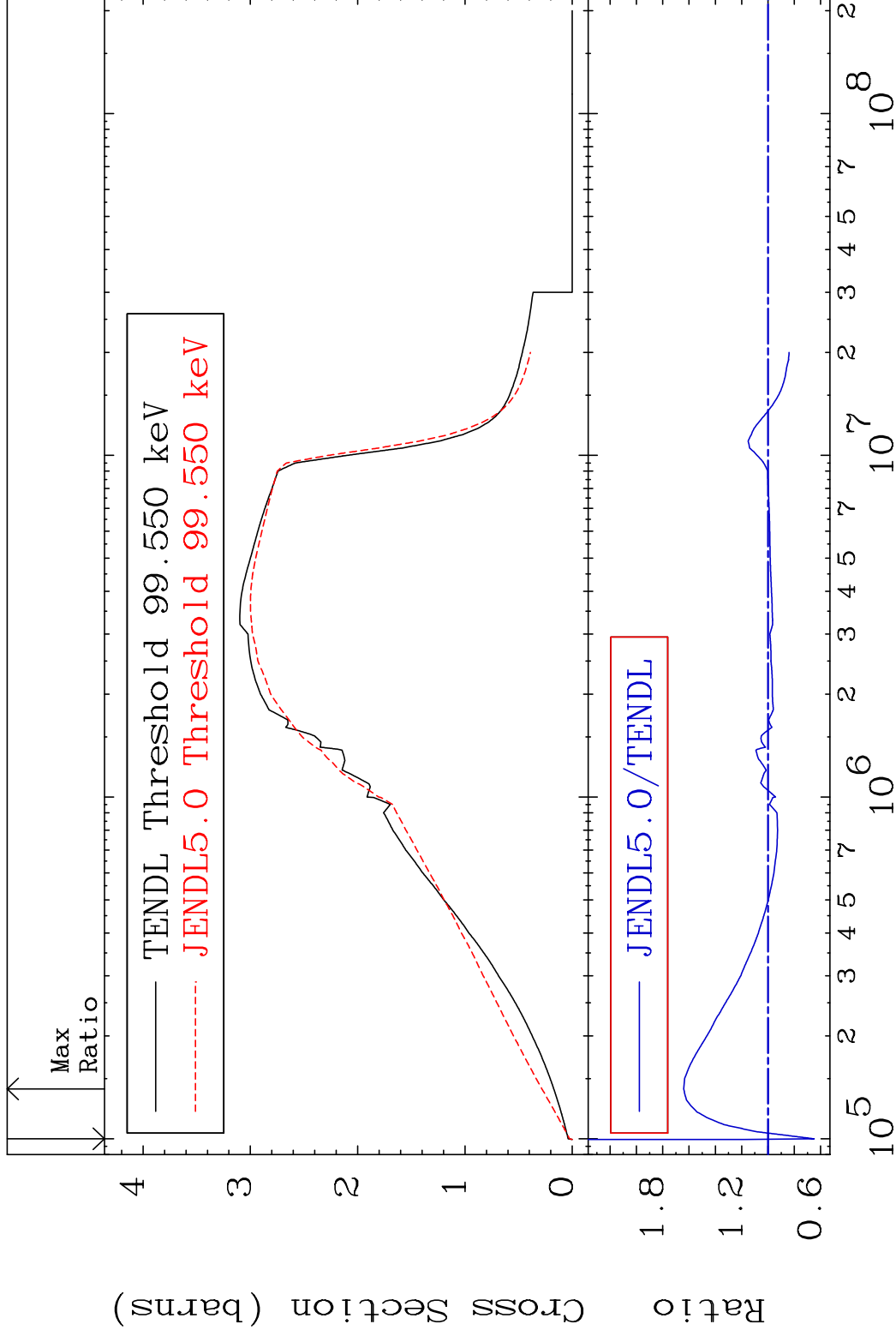
MAT 6631

Inelastic

66-Dy-158

Cross Section

-35.02 To 64.09 %



3

Incident Energy (eV)

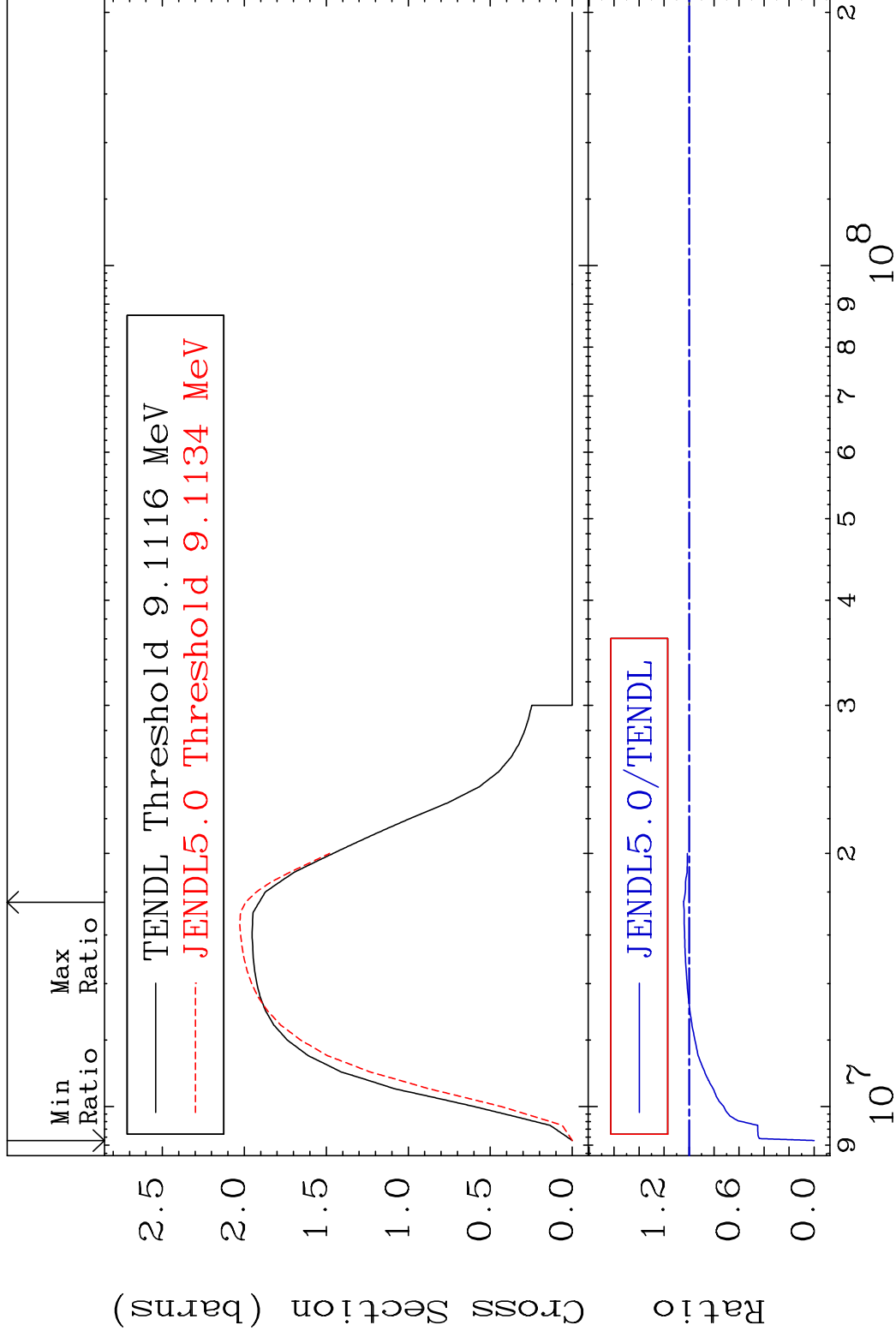
66-Dy-158

MAT 6631

(n,2n)

66-Dy-158

Cross Section -100.0 To 4.347 %



4

Incident Energy (eV)

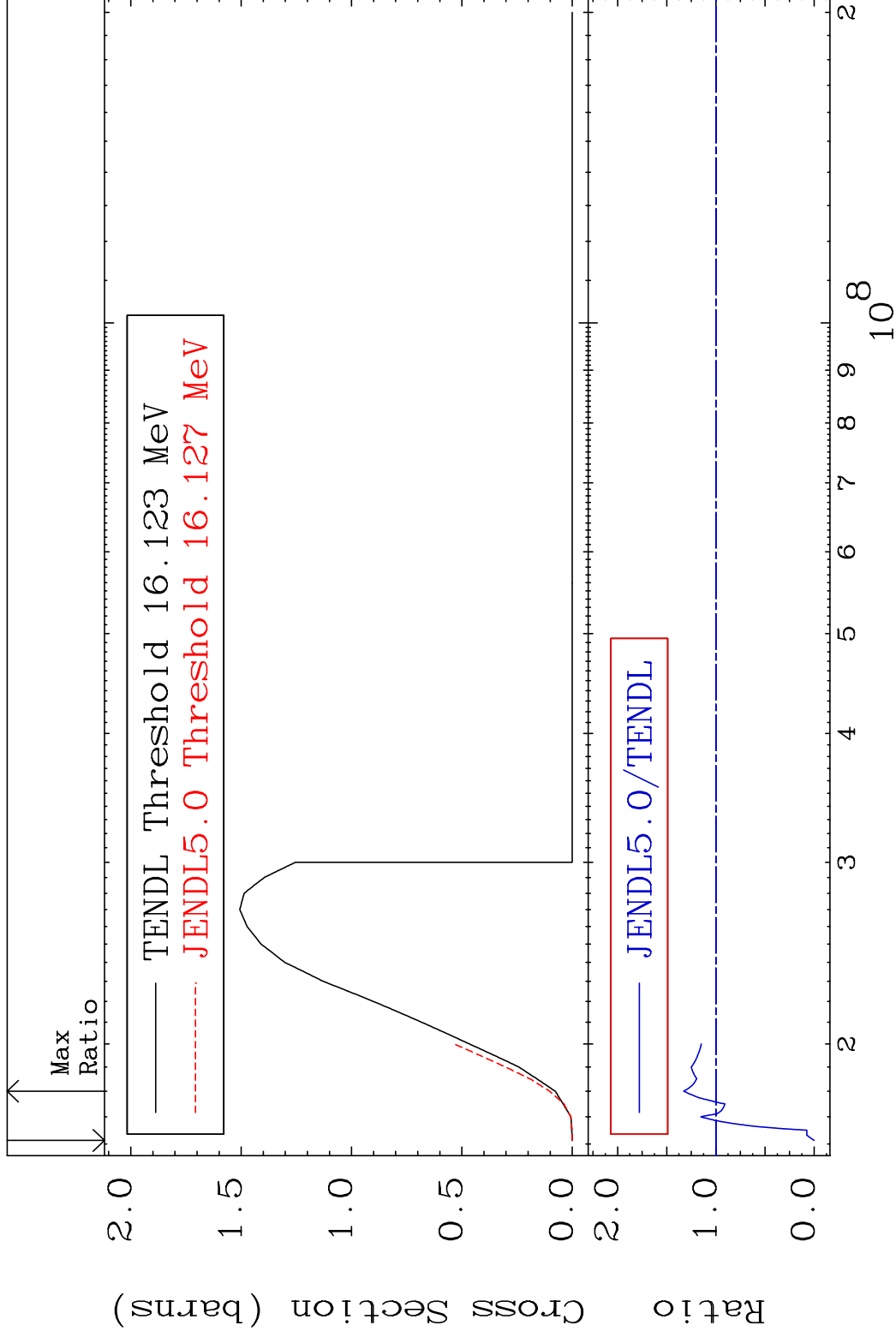
66-Dy-158

MAT 6631

(n,3n)

66-Dy-158

Cross Section -100.0 To 32.75 %



5

Incident Energy (eV)

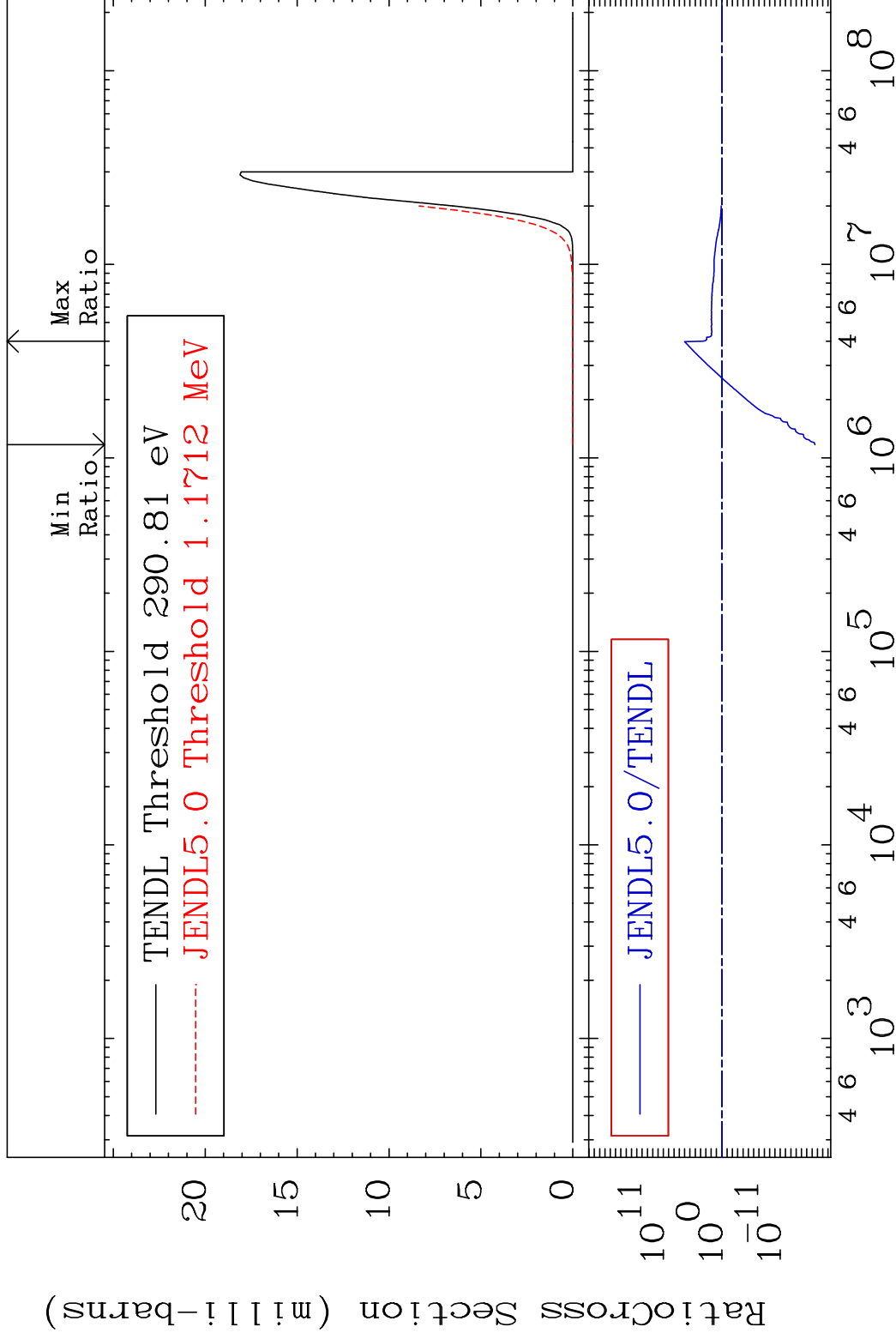
66-Dy-158

MAT 6631

(n, n') α

66-Dy-158

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

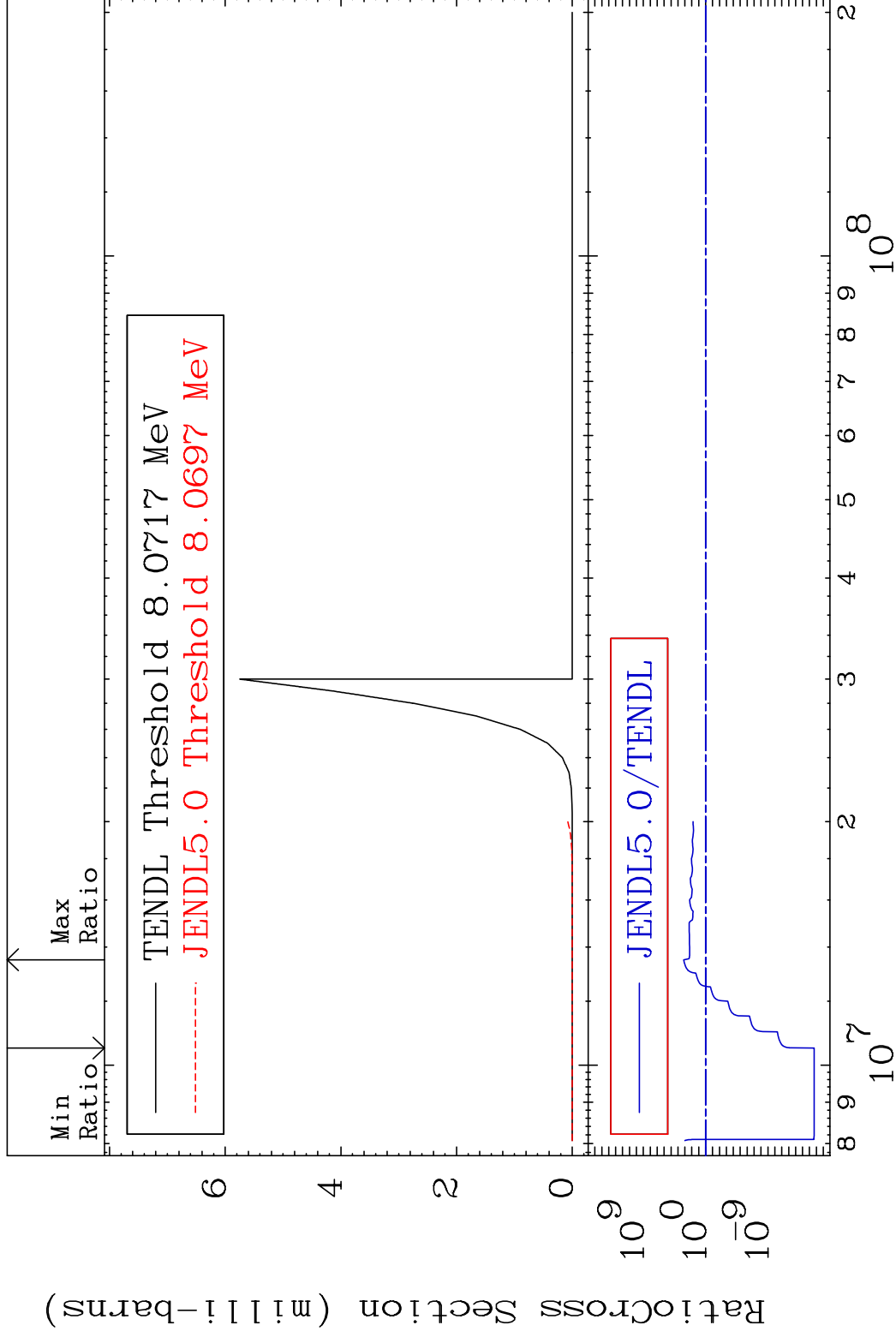
66-Dy-158

MAT 6631

(n,2n) α

66-Dy-158

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

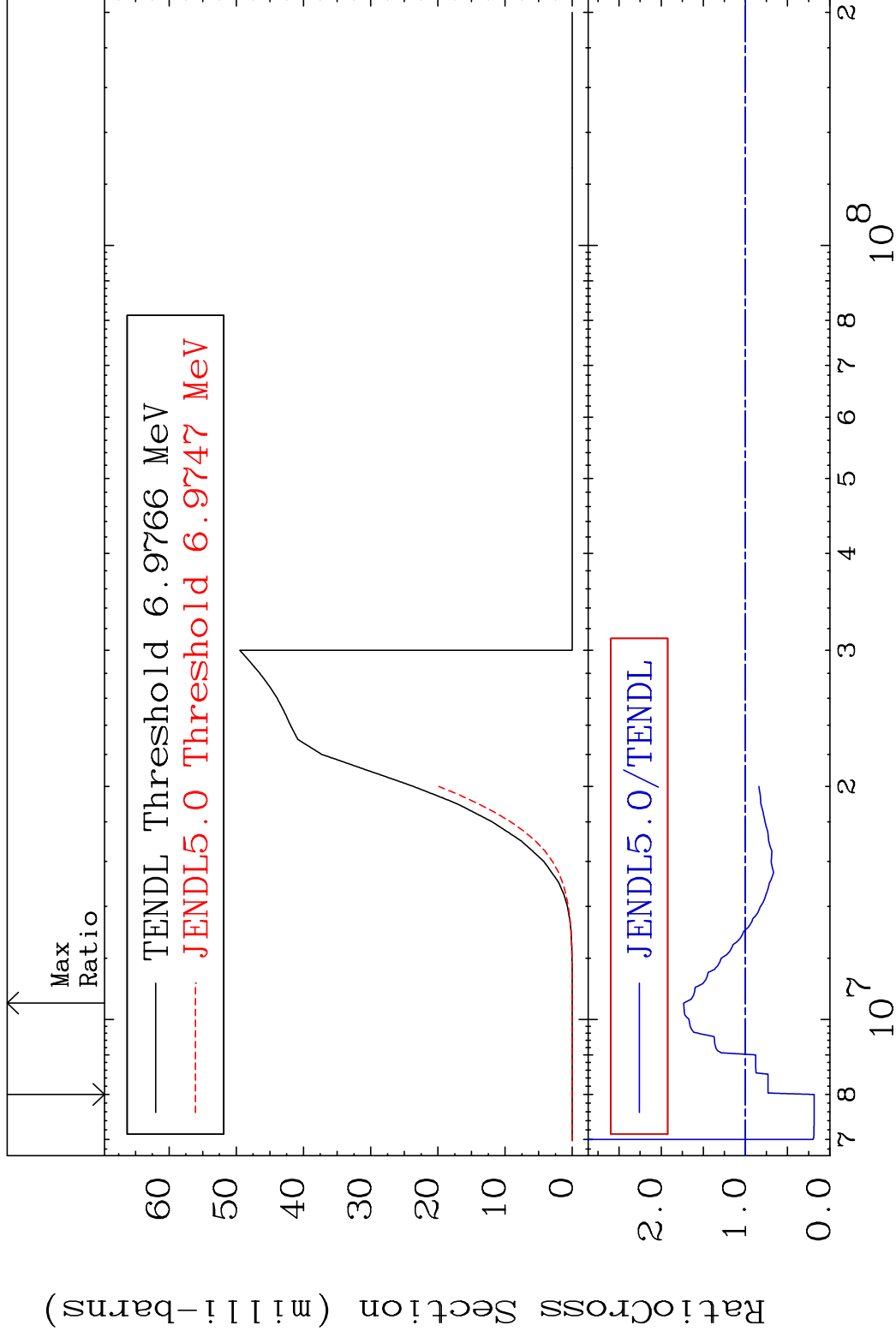
66-Dy-158

MAT 6631

(n, n') p

66-Dy-158

Cross Section -81.58 To 73.33 %



8

Incident Energy (eV)

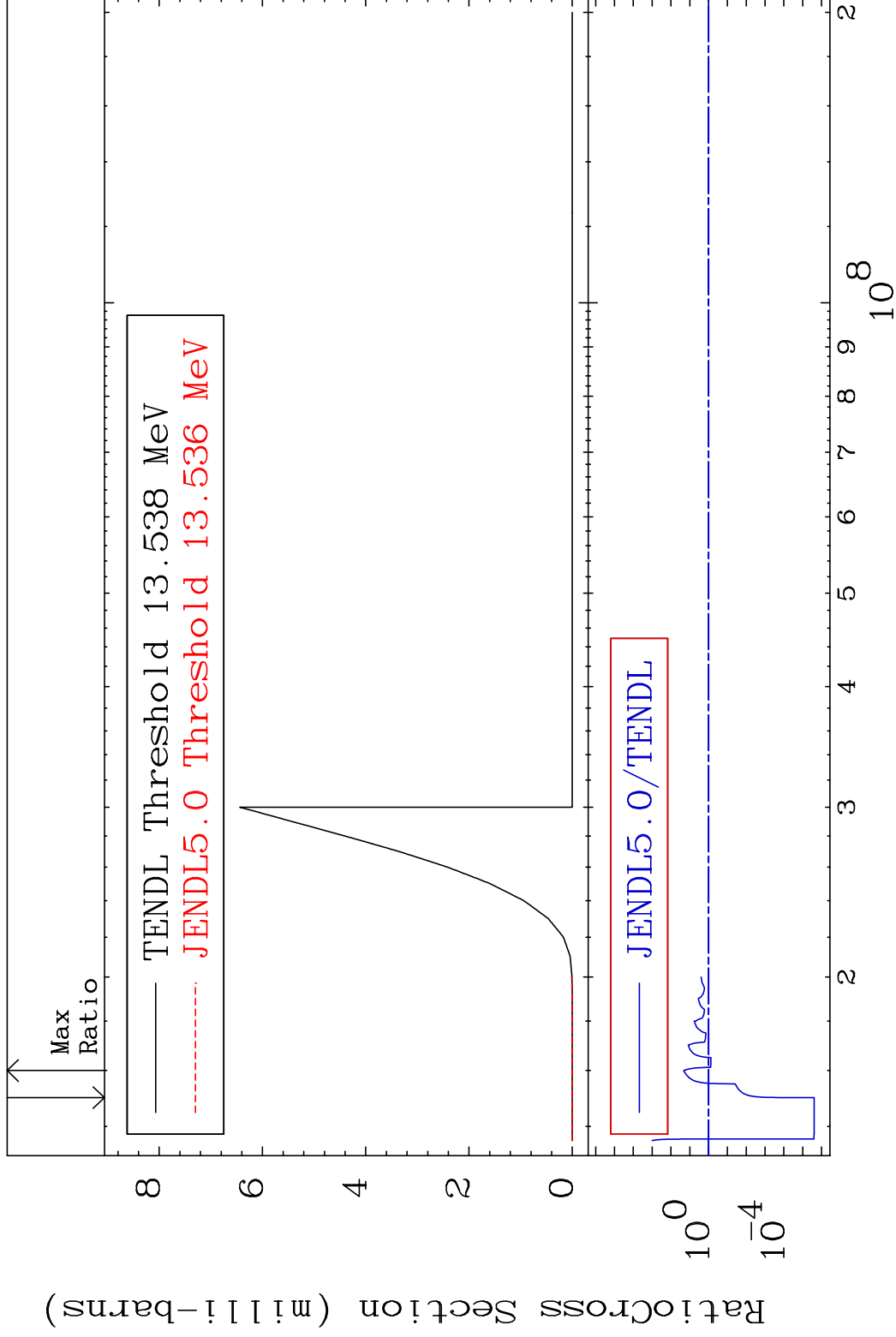
66-Dy-158

MAT 6631

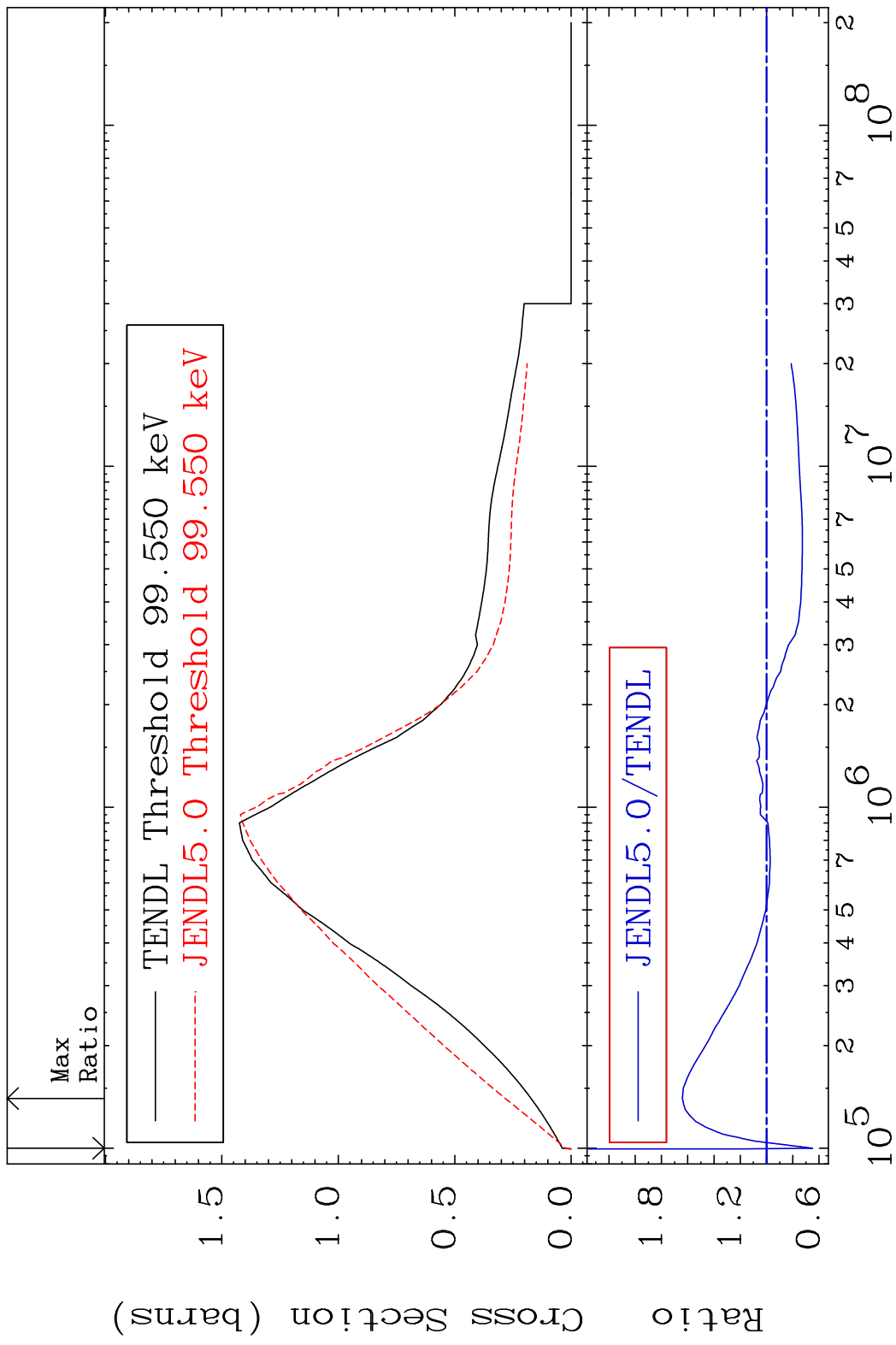
(n, n') d

66-Dy-158

Cross Section -100.0 To 2012. %

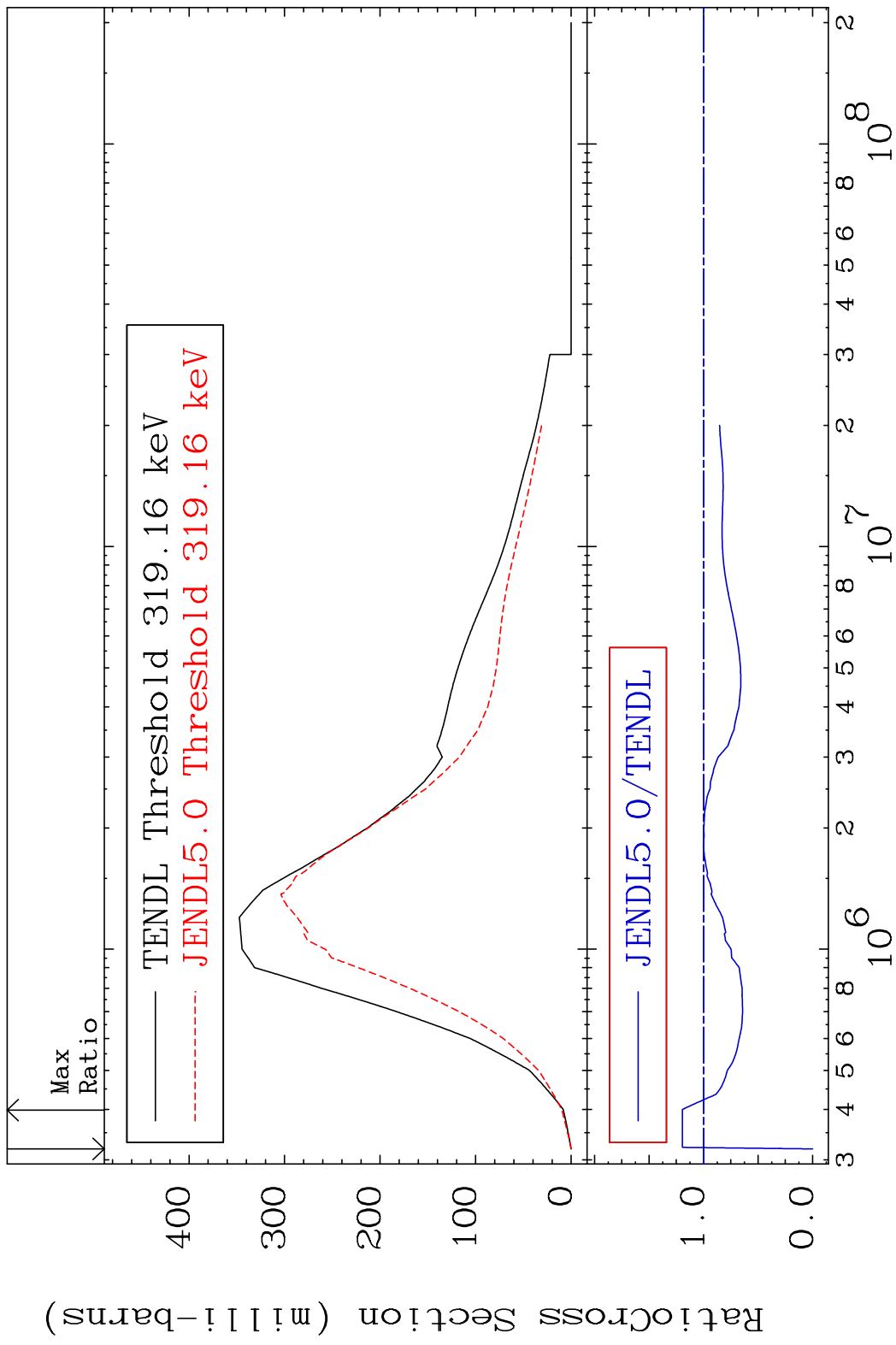


MAT 6631 MT= 51 (n,n') Level 66-Dy-158
 Cross Section -35.02 To 64.09 %

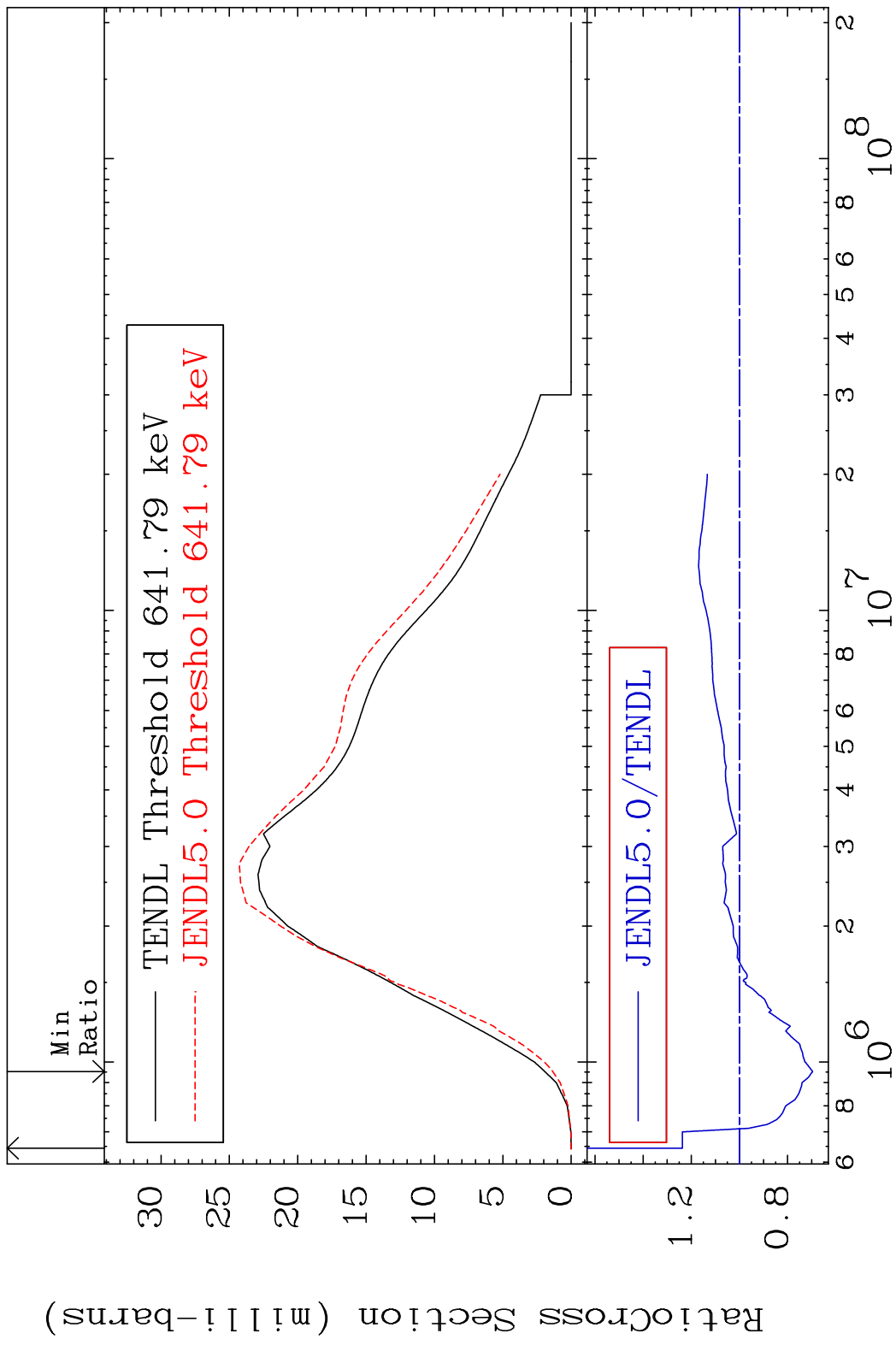


10 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 52 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 19.47 %



MAT 6631 MT= 53 (n, n') Level 66-Dy-158
 Cross Section -30.36 To 23.70 %



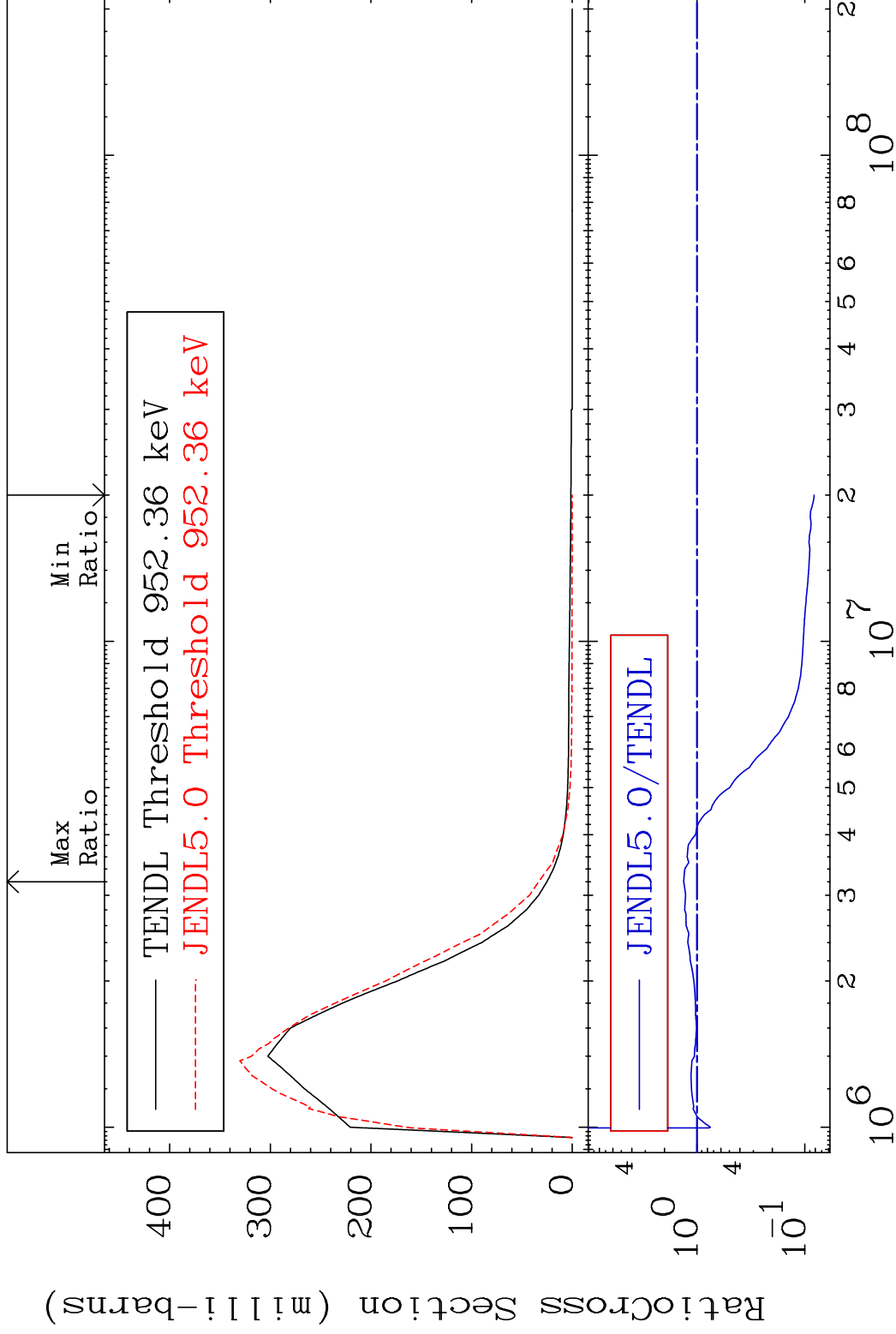
12 Incident Energy (eV) 66-Dy-158

MAT 6631

MT= 54 (n, n') Level

66-Dy-158

Cross Section -91.78 To 32.64 %

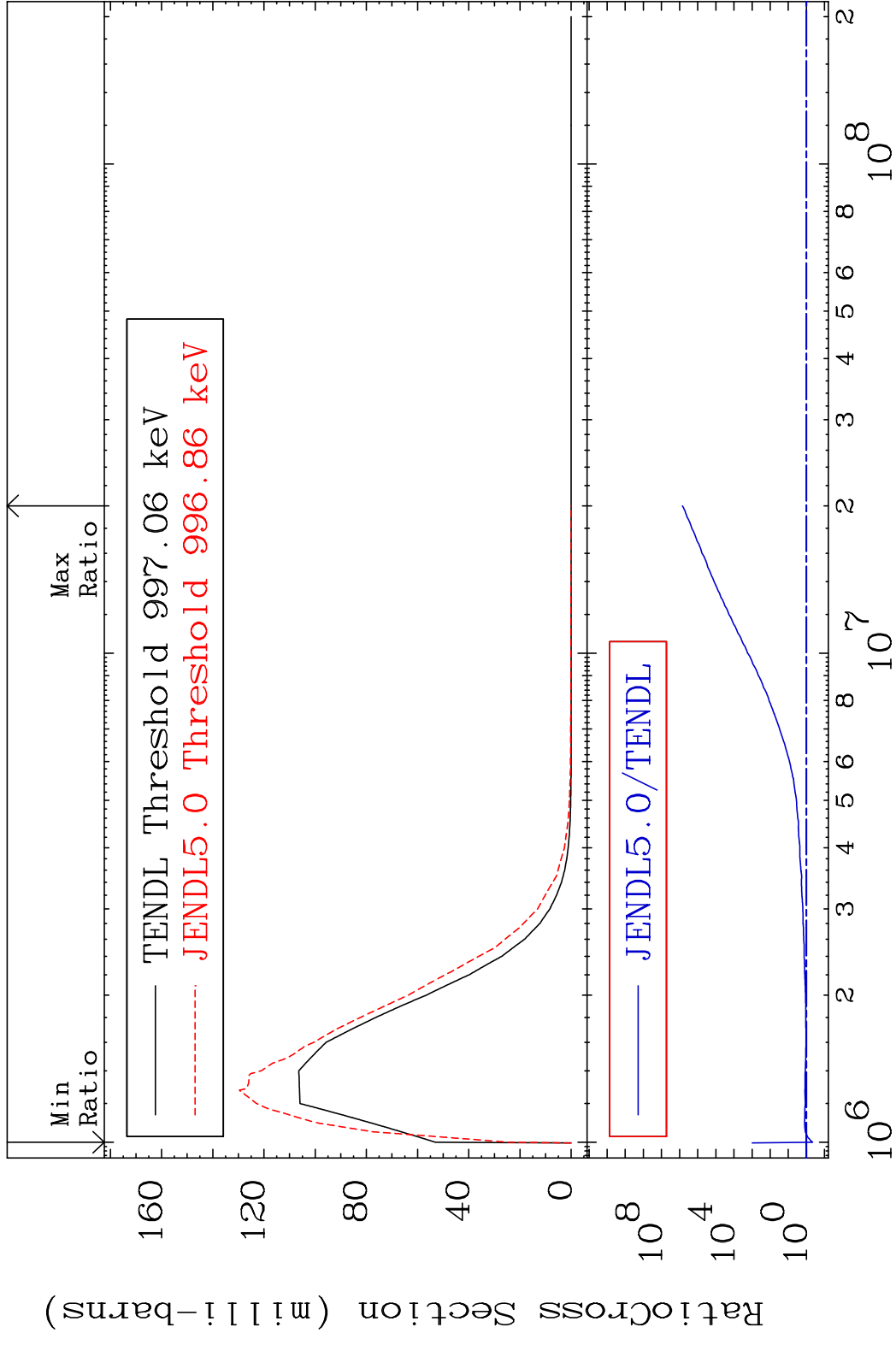


13

Incident Energy (eV)

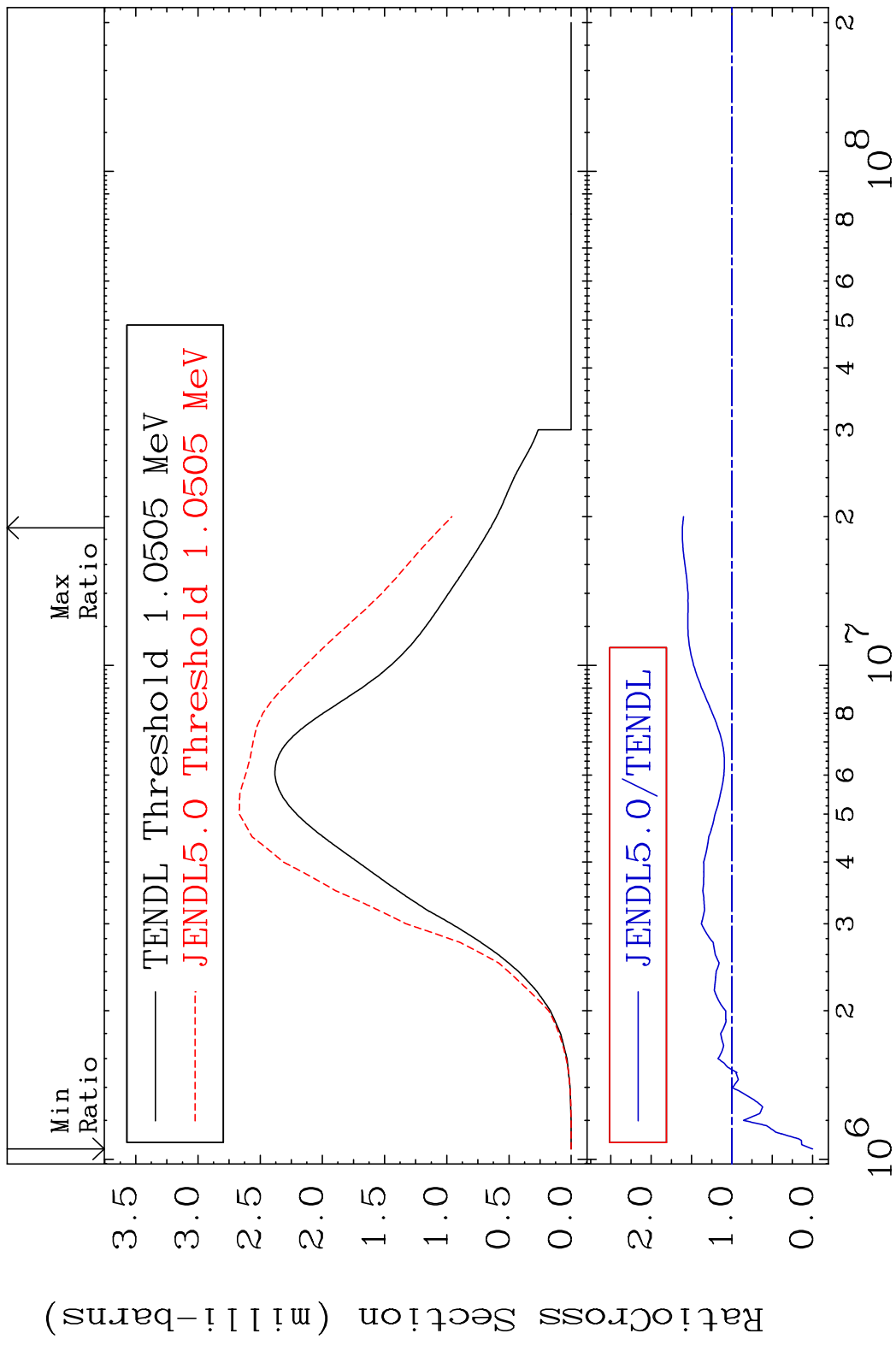
66-Dy-158

MAT 6631 MT= 55 (n, n') Level 66-Dy-158
 Cross Section -54.17 To 9999. %



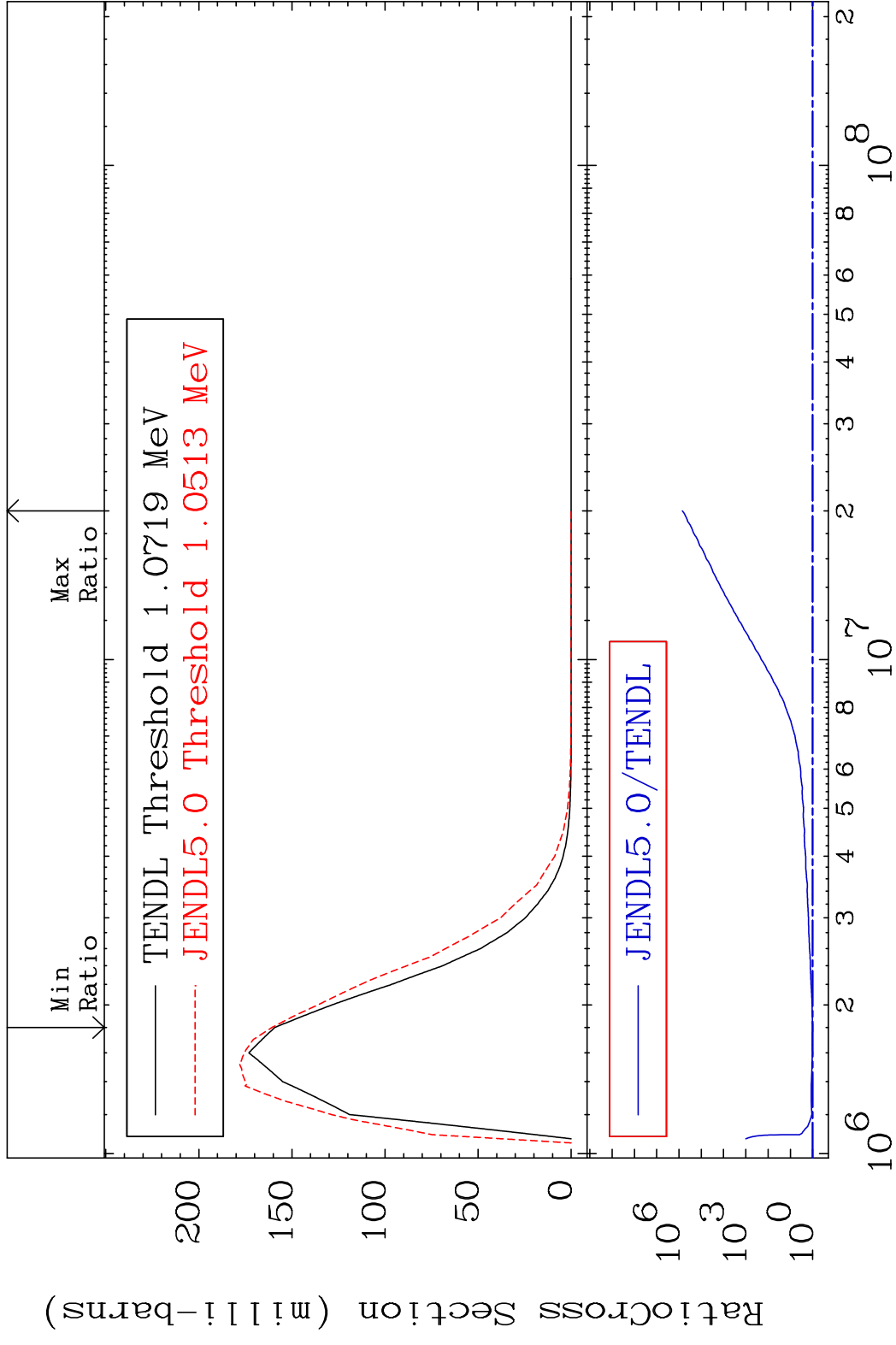
14 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 56 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 61.36 %



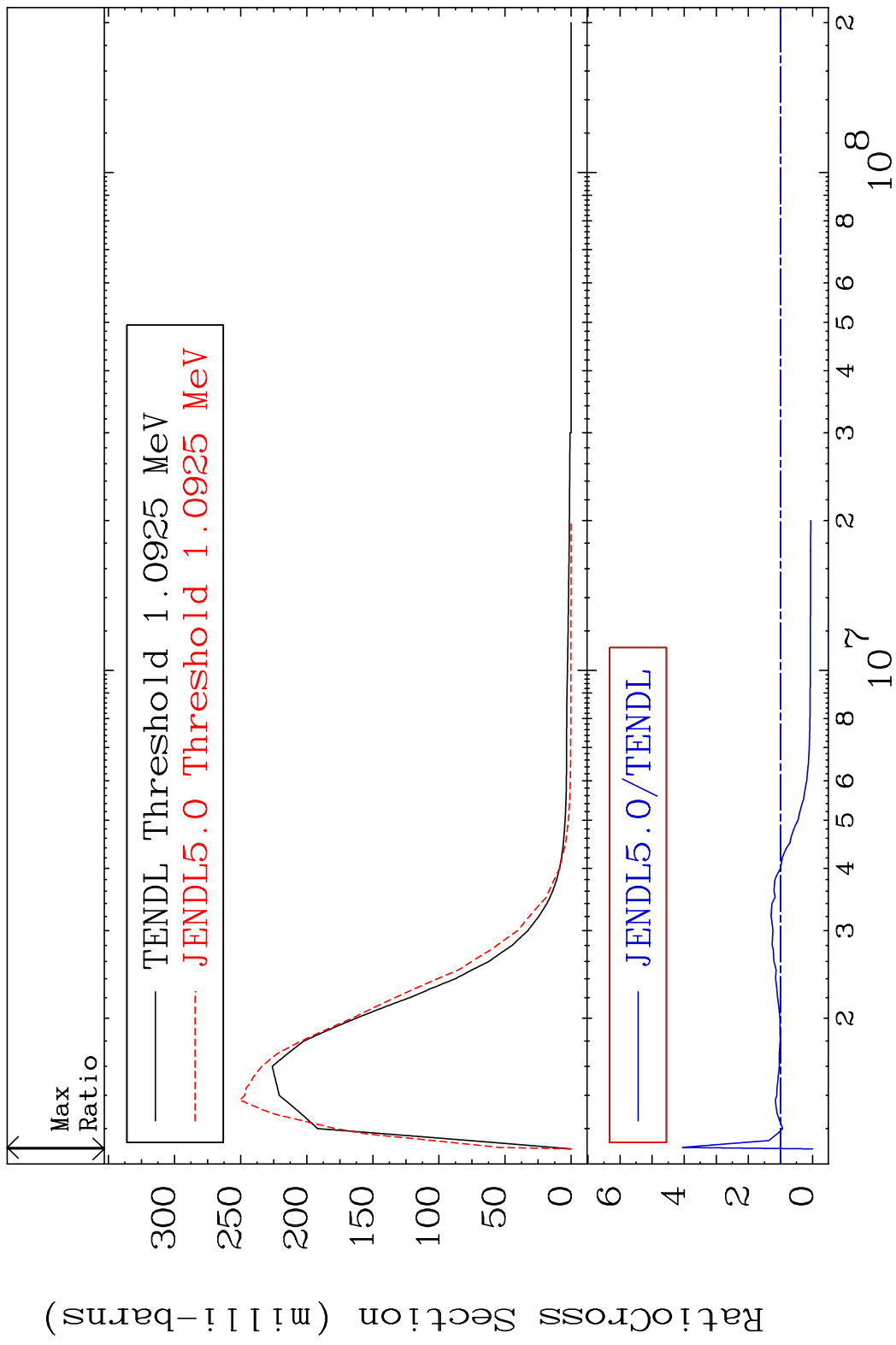
15 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 57 (n, n') Level 66-Dy-158
 Cross Section 0.944 To 9999. %

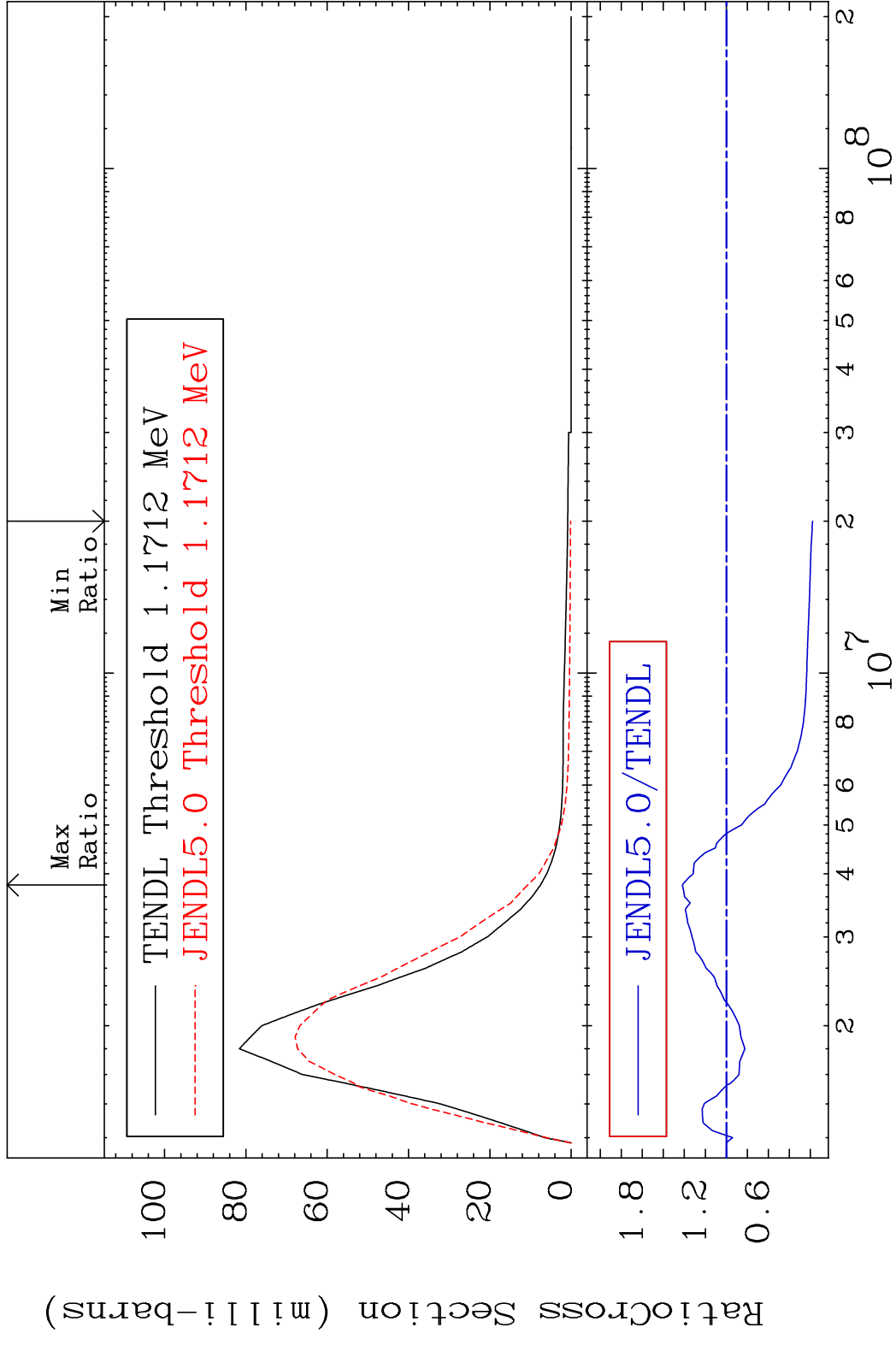


16 Incident Energy (eV) 66-Dy-158

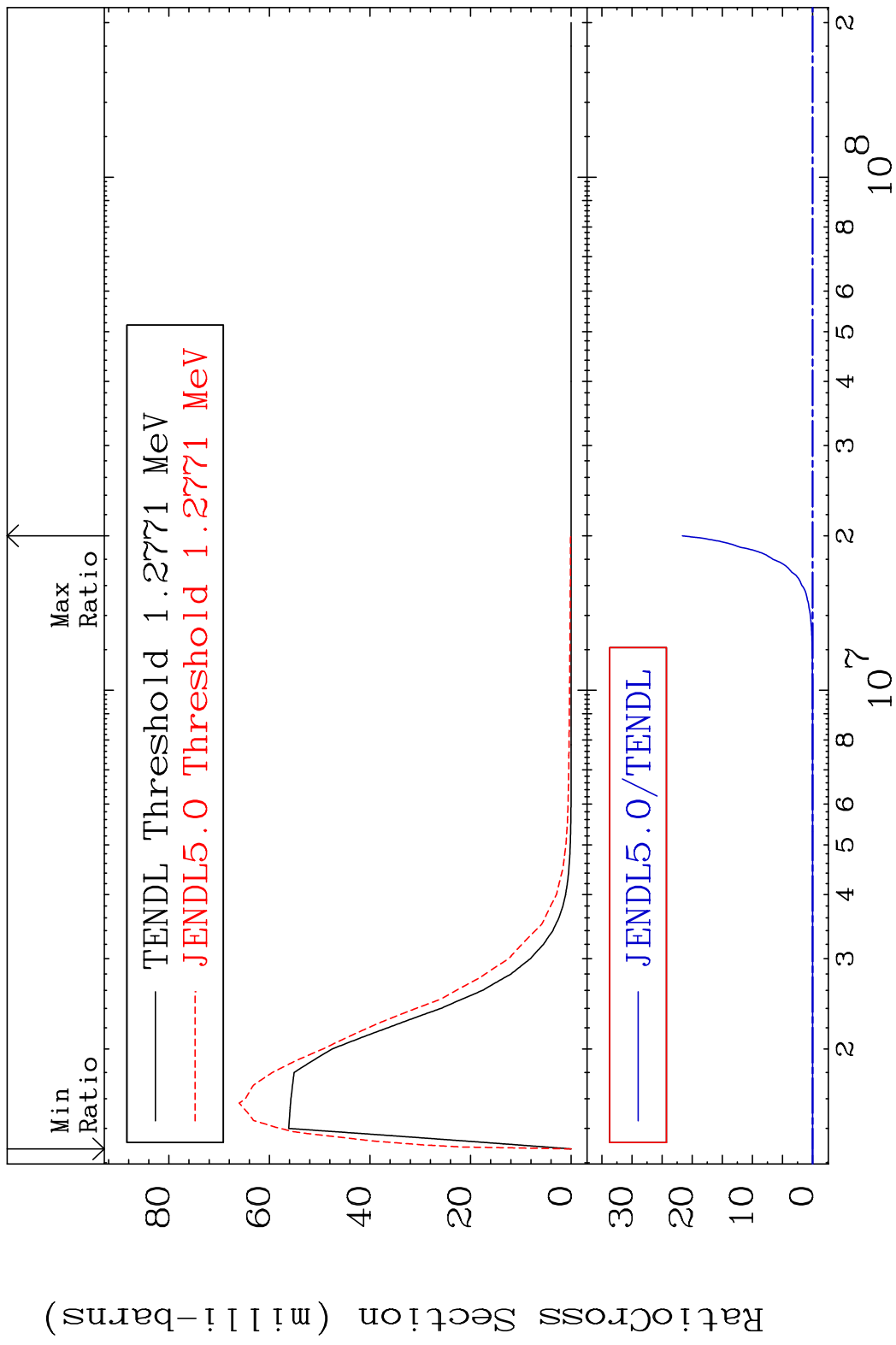
MAT 6631 MT= 58 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 305.8 %



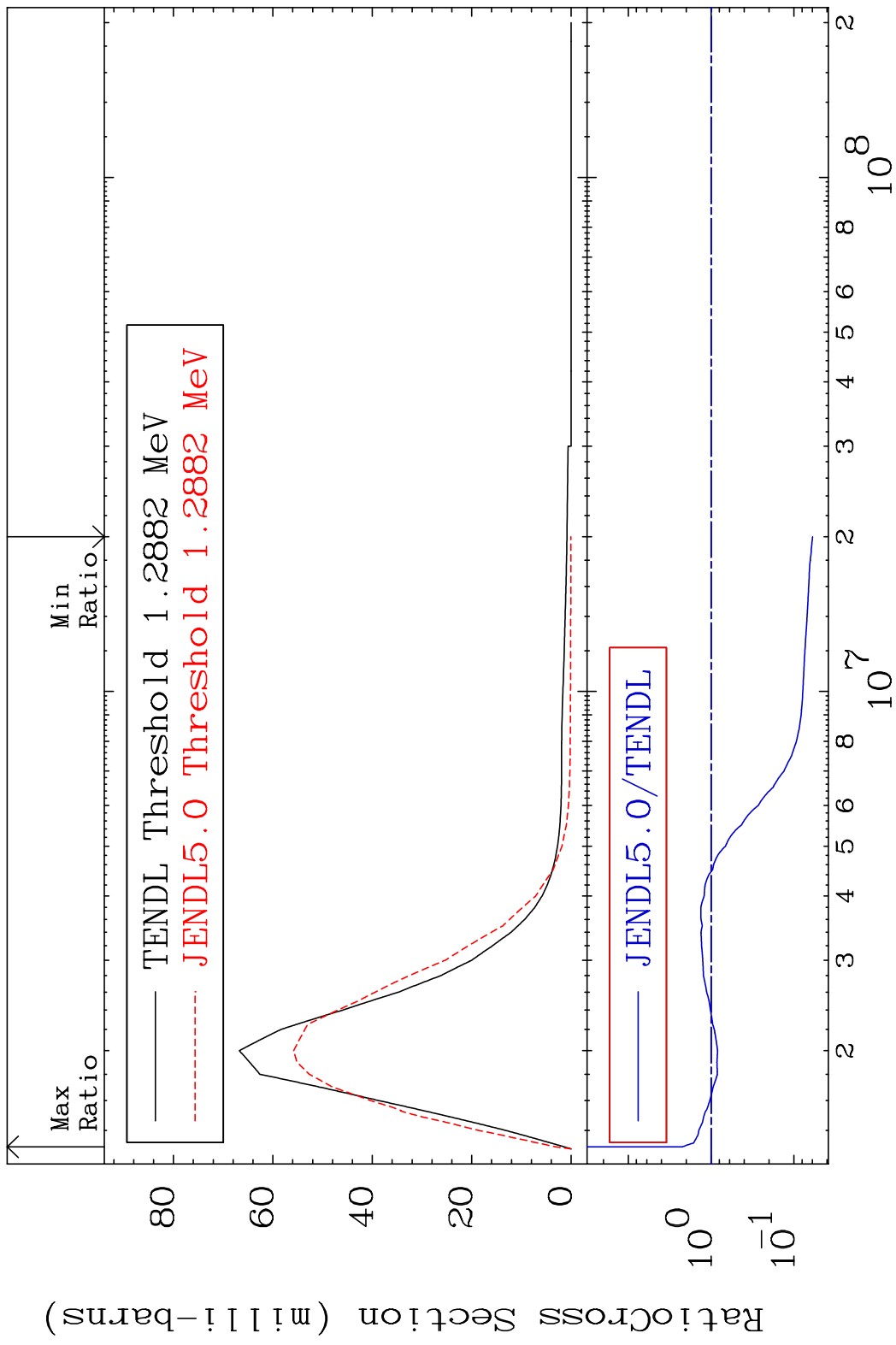
MAT 6631 MT= 59 (n, n') Level 66-Dy-158
 Cross Section -82.02 To 41.86 %



MAT 6631 MT= 60 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 9999. %

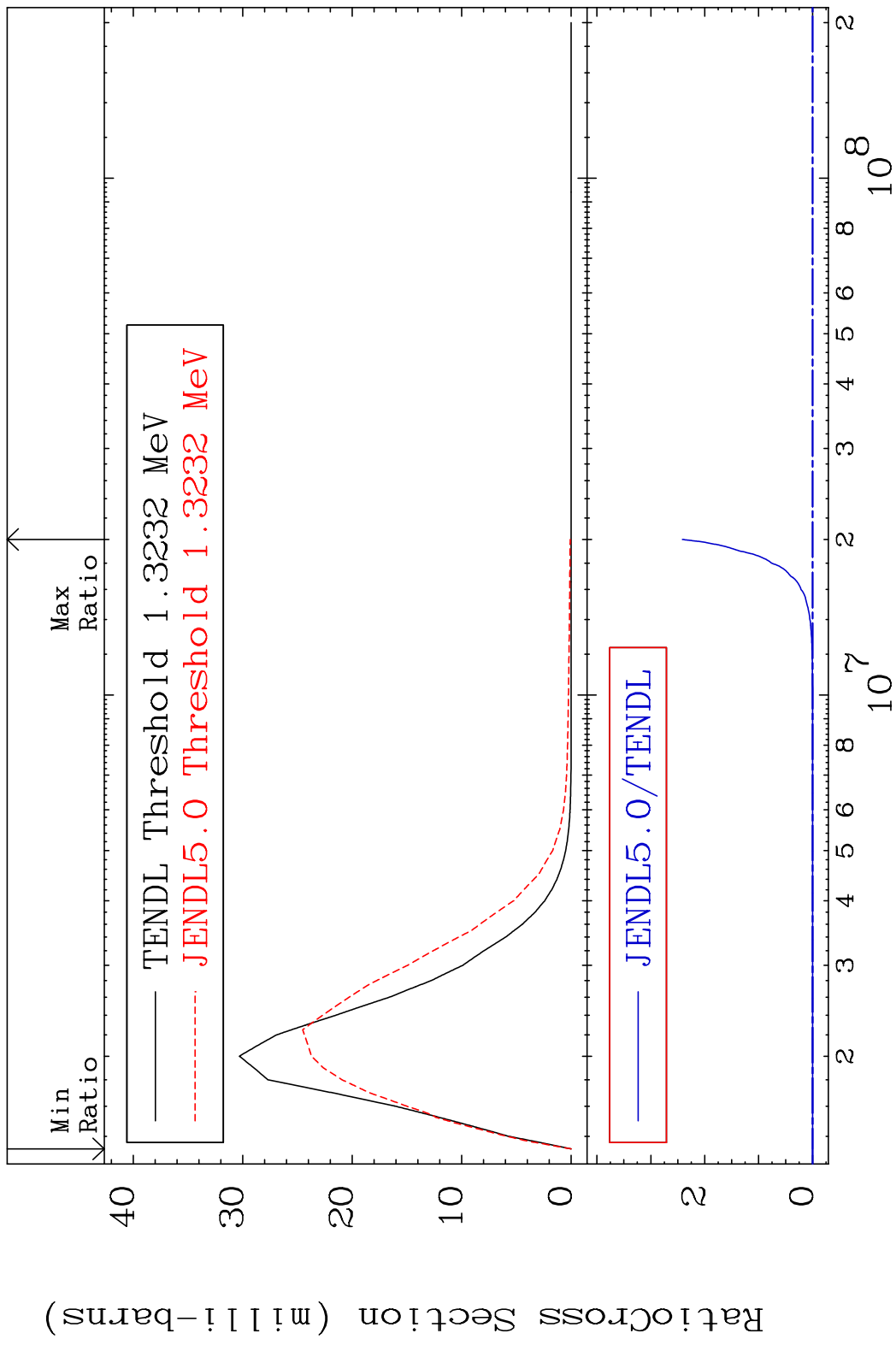


MAT 6631 MT= 61 (n, n') Level 66-Dy-158
 Cross Section -94.03 To 123.0 %



20 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 62 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 9999. %

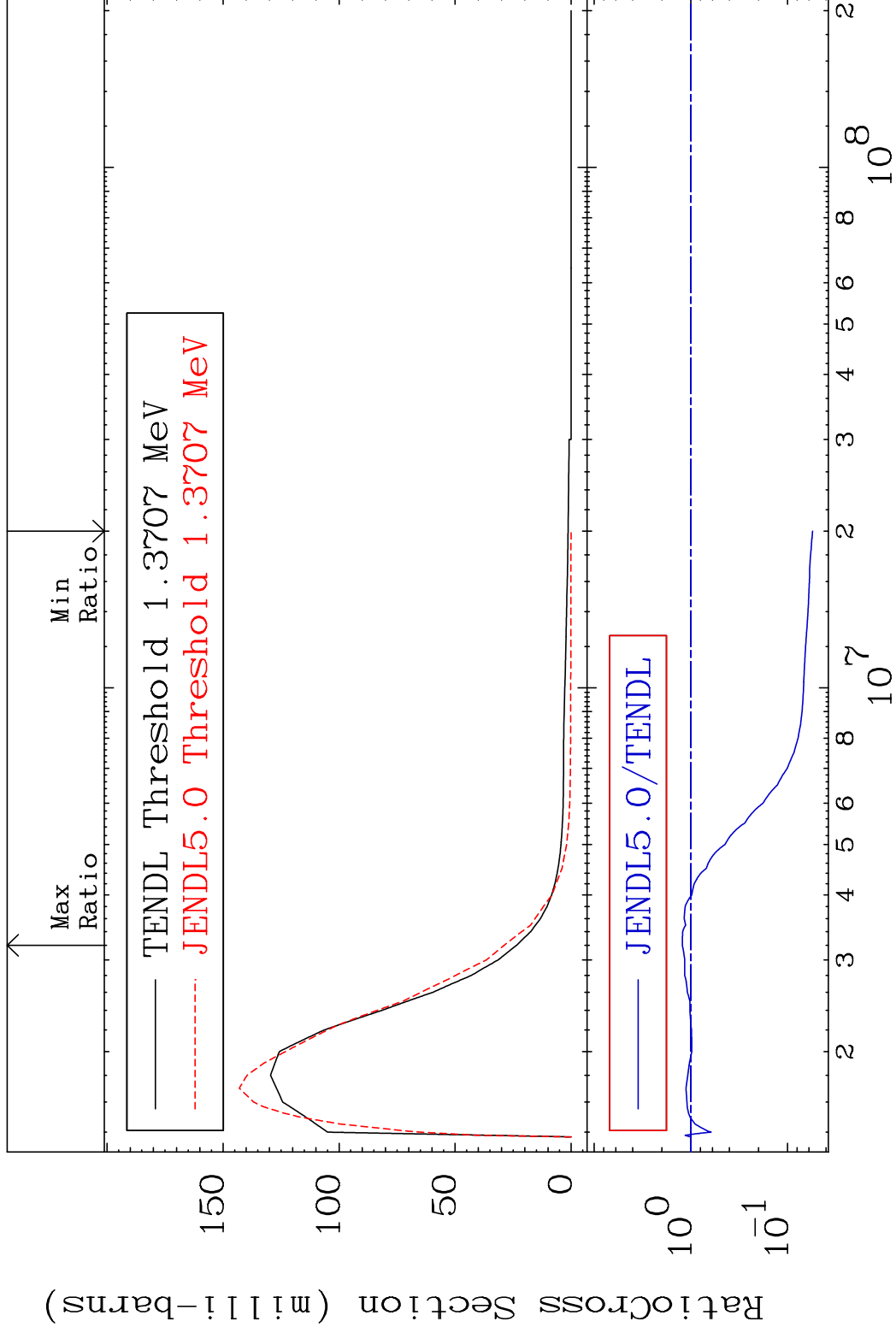


MAT 6631

MT= 63 (n, n') Level

66-Dy-158

Cross Section -94.48 To 22.66 %

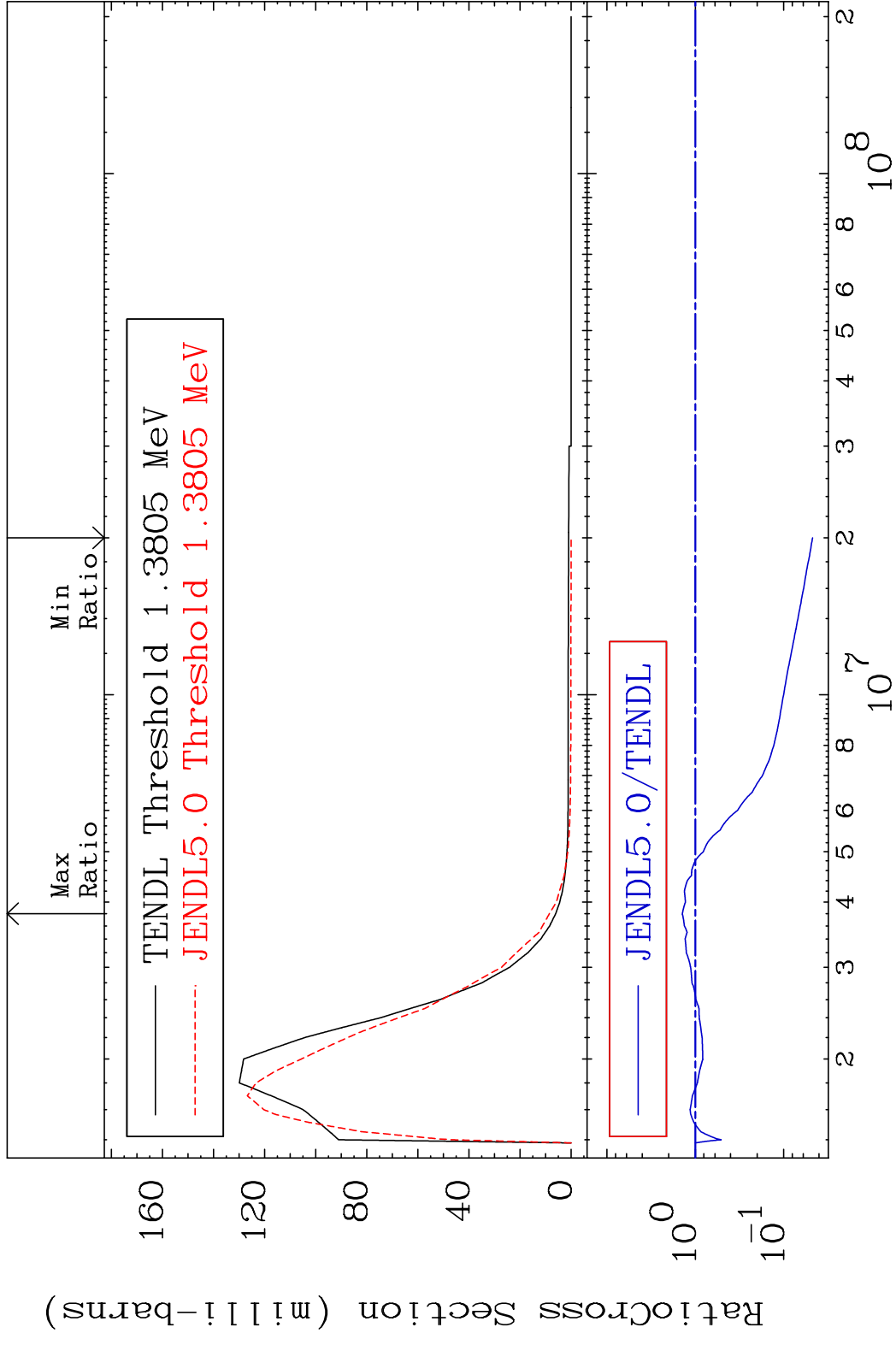


22

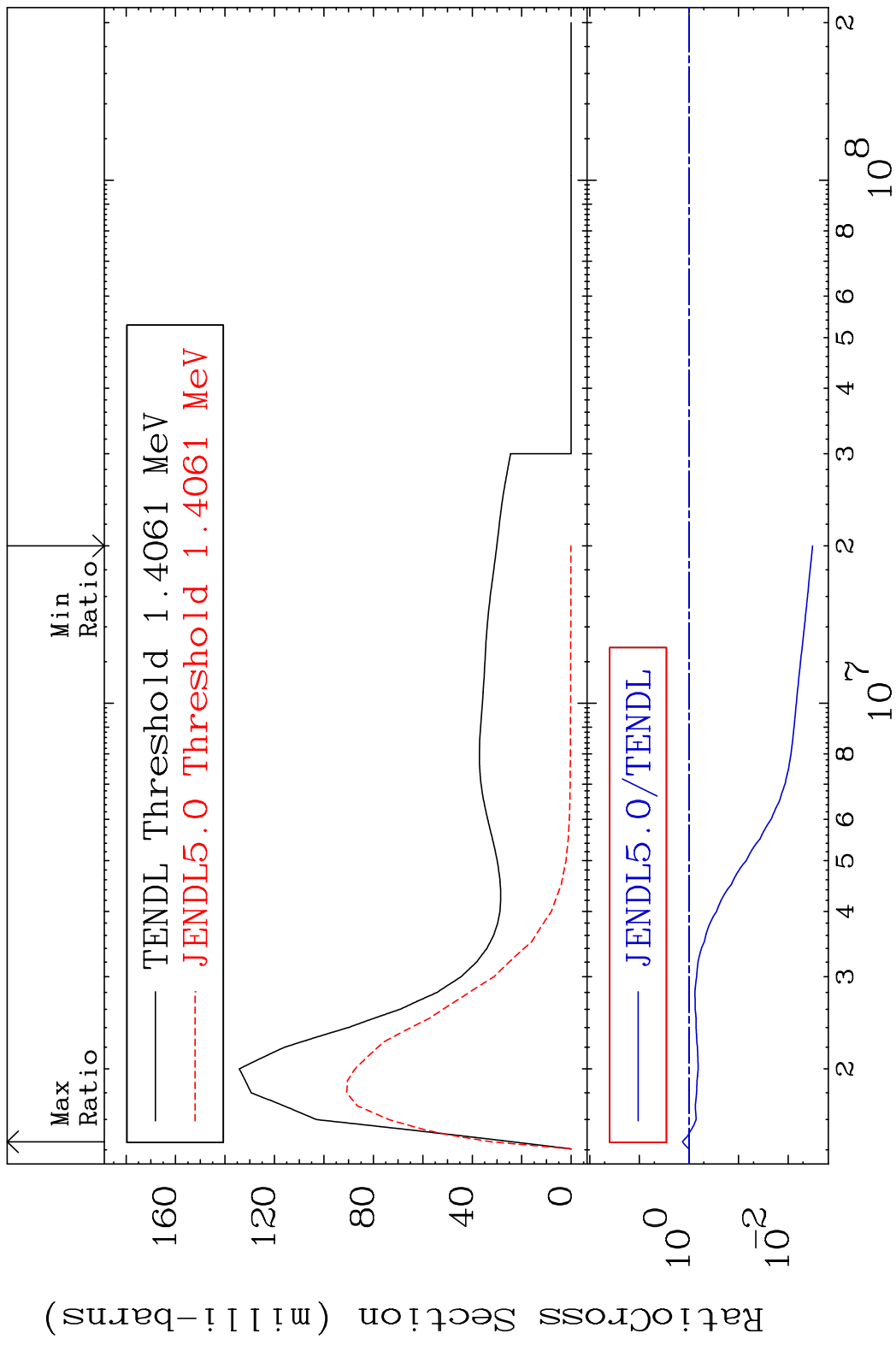
Incident Energy (eV)

66-Dy-158

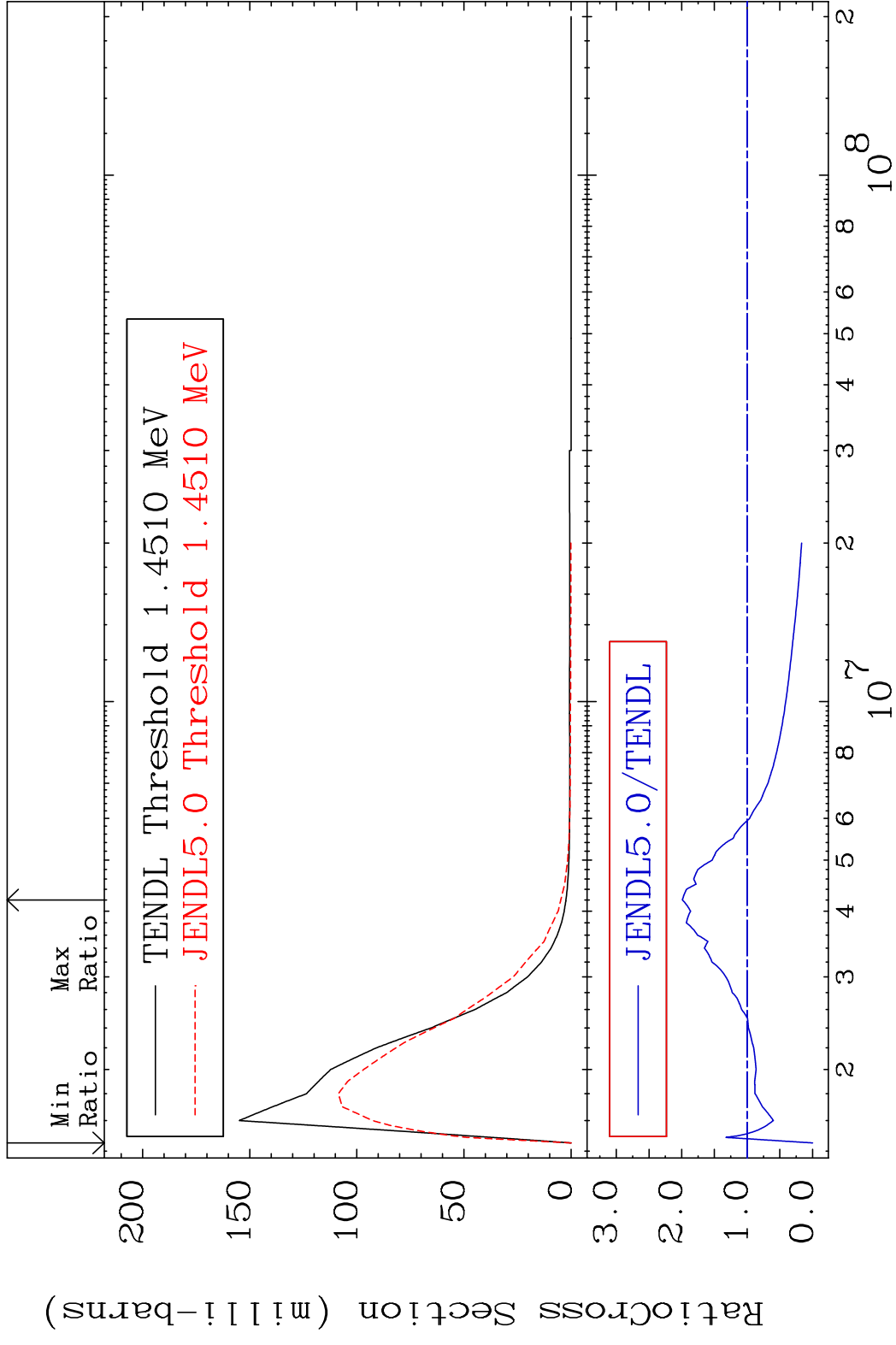
MAT 6631 MT= 64 (n, n') Level 66-Dy-158
 Cross Section -95.28 To 40.33 %



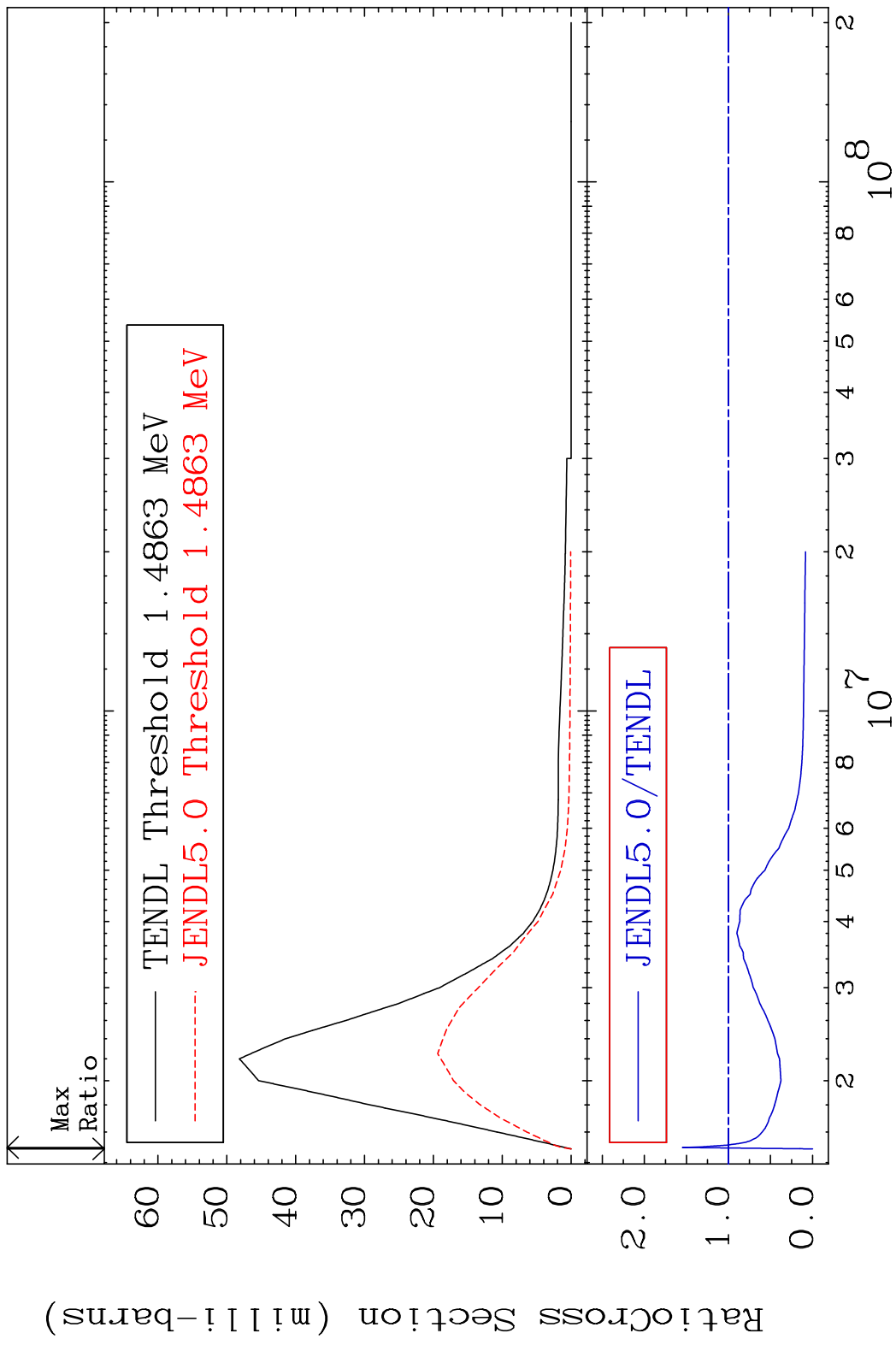
MAT 6631 MT= 65 (n, n') Level 66-Dy-158
 Cross Section -99.68 To 35.84 %



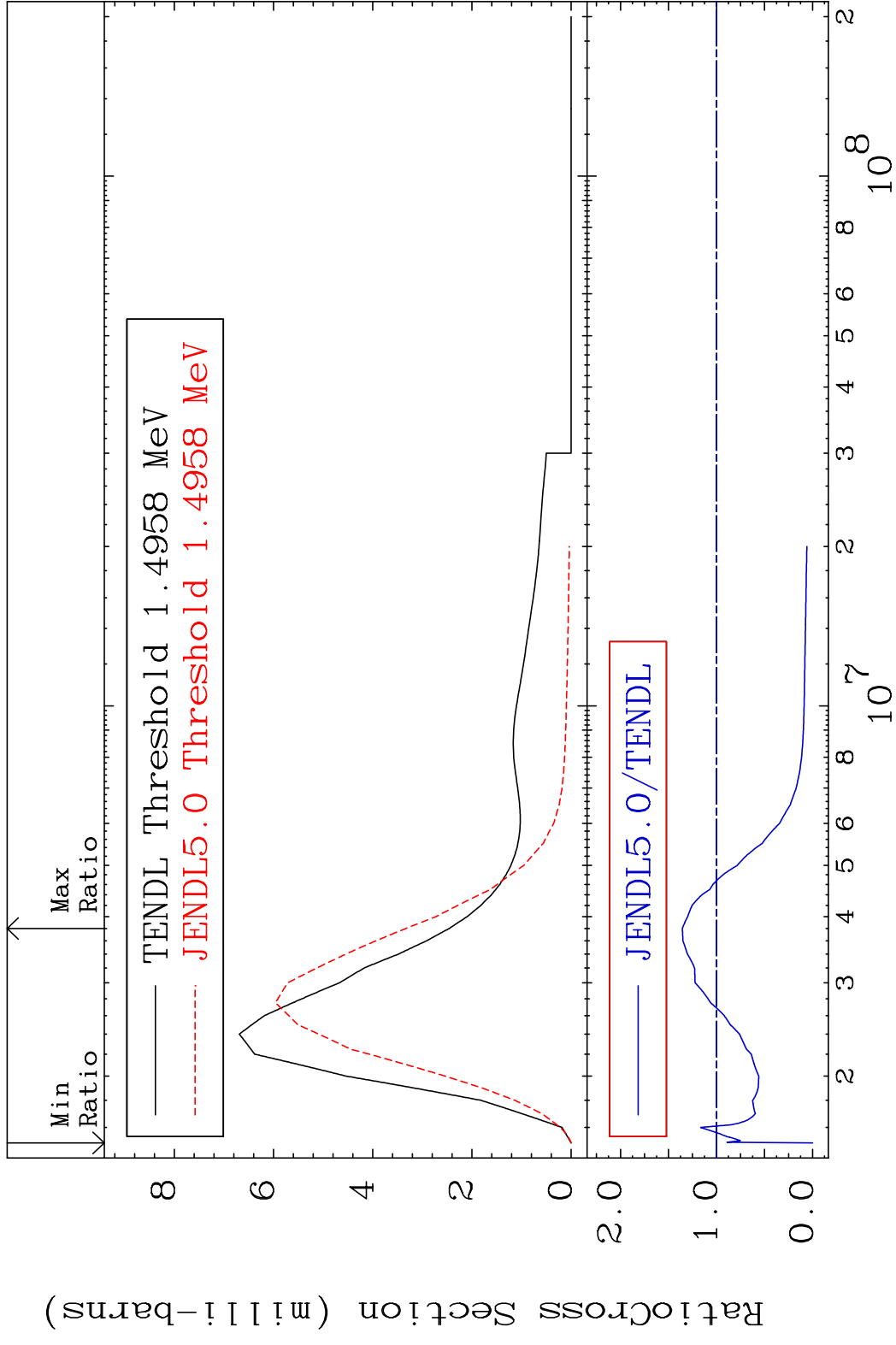
MAT 6631 MT= 66 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 99.03 %



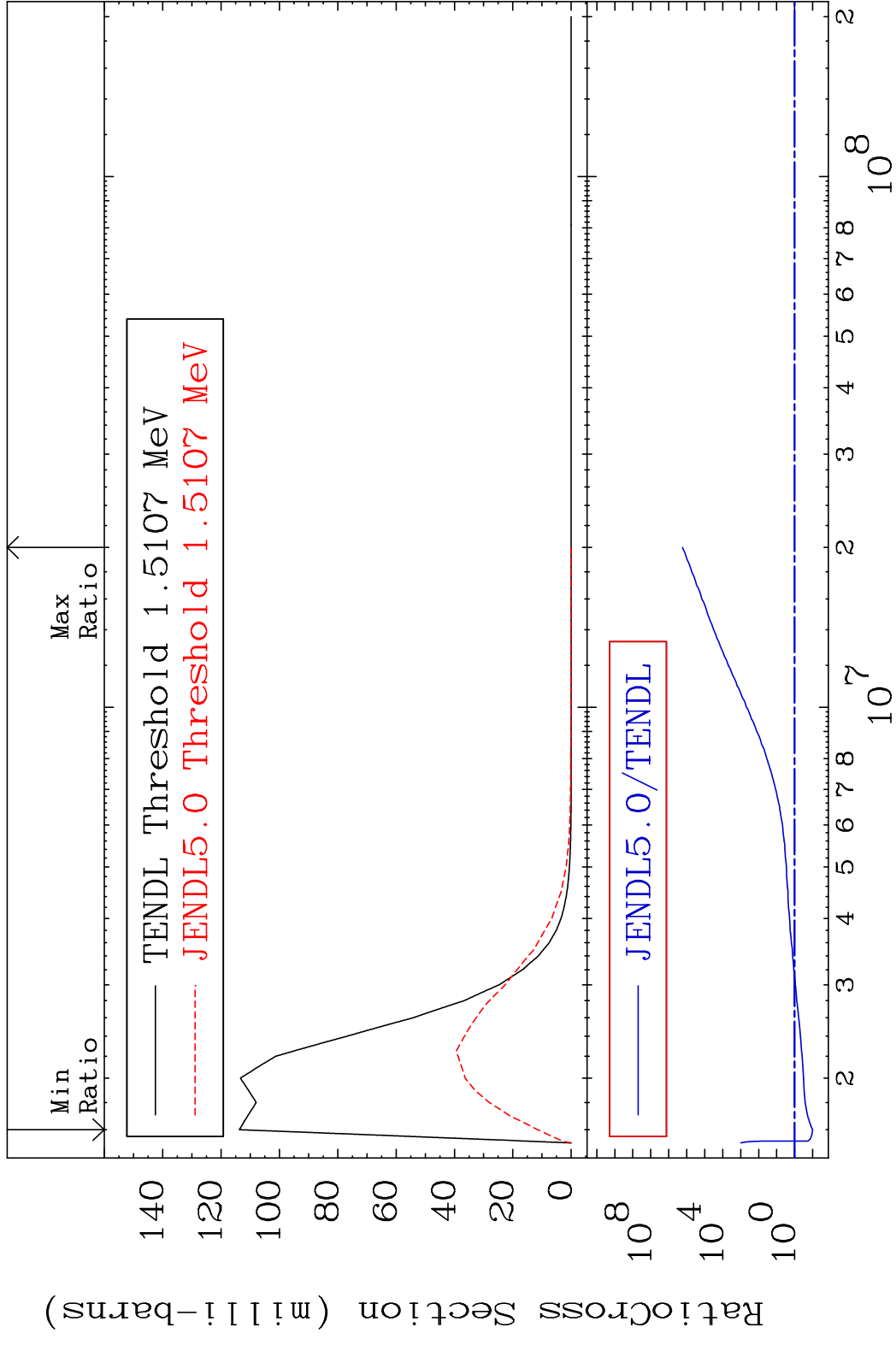
MAT 6631 MT= 67 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 54.86 %



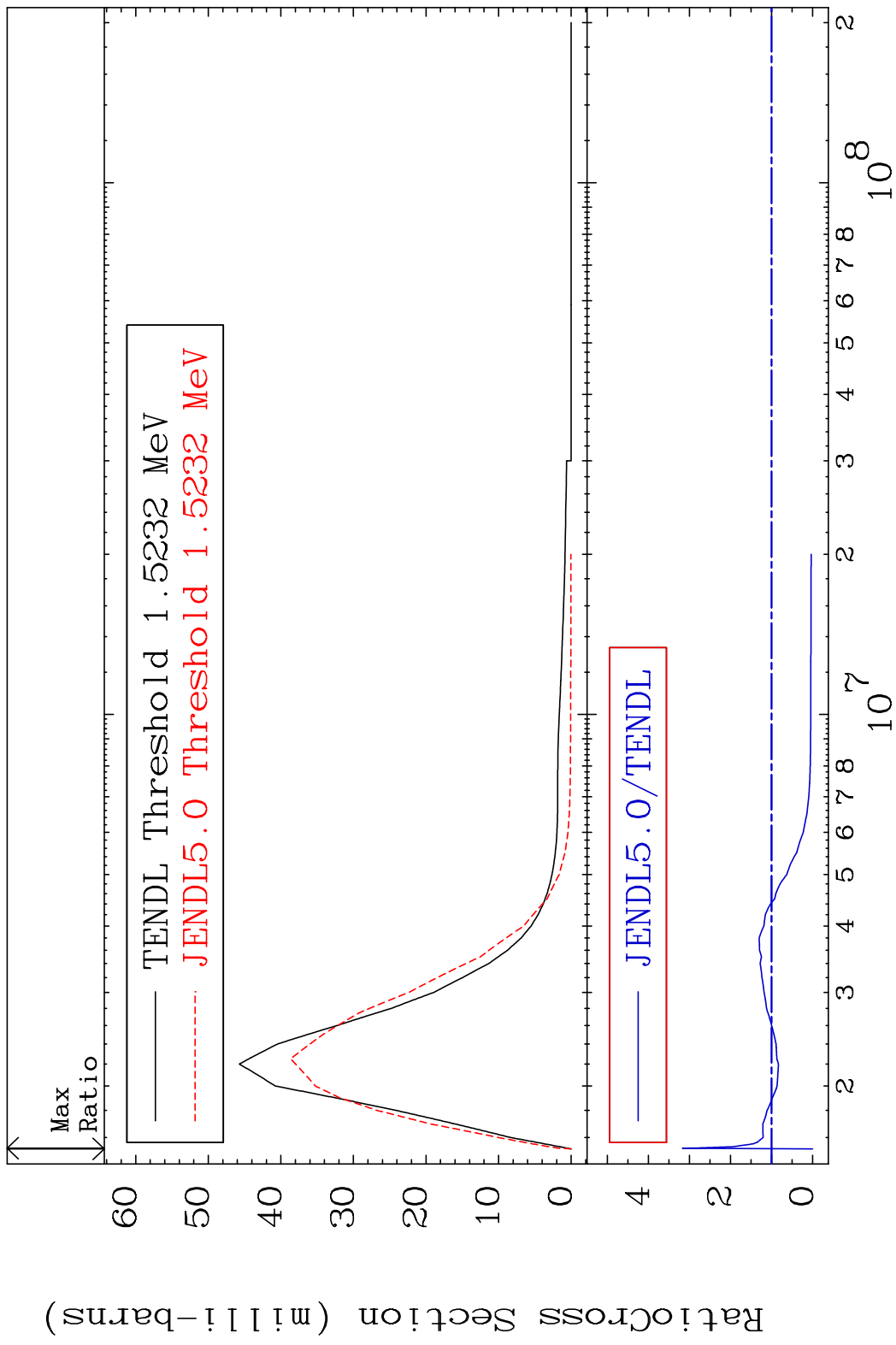
MAT 6631 MT= 68 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 35.60 %



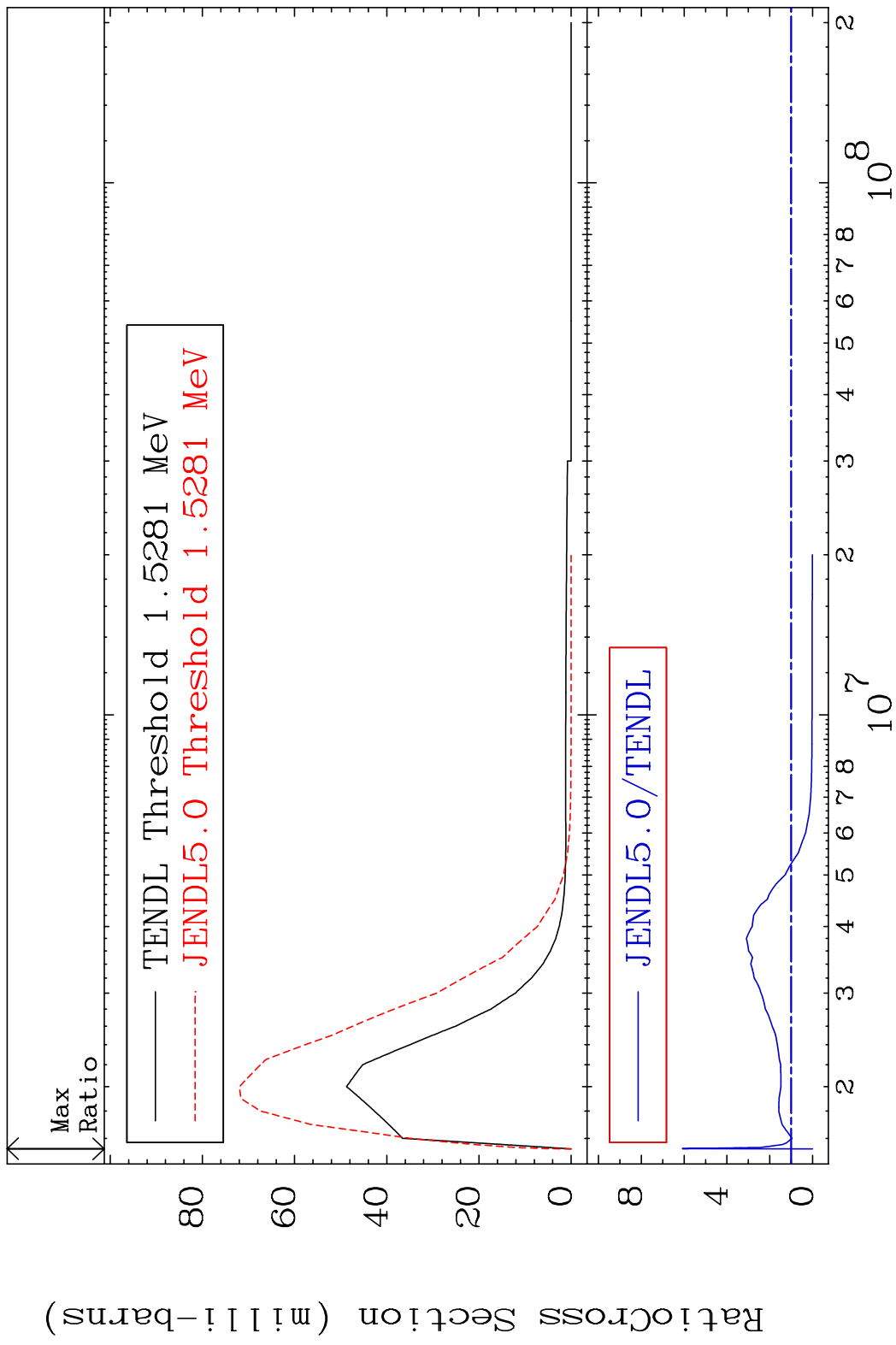
MAT 6631 MT= 69 (n, n') Level 66-Dy-158
 Cross Section -89.90 To 9999. %



MAT 6631 MT= 70 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 217.2 %

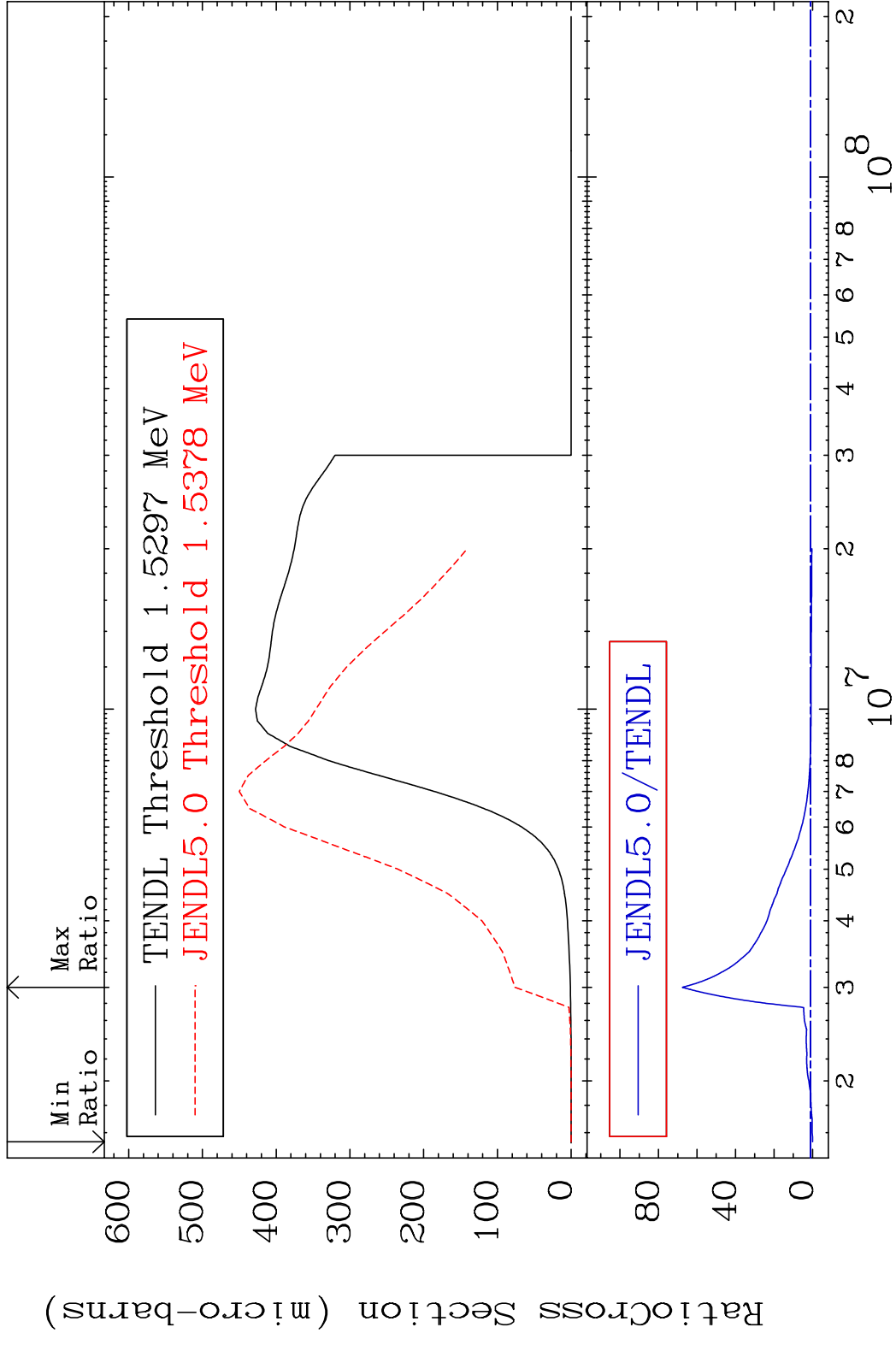


MAT 6631 MT= 71 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 508.5 %

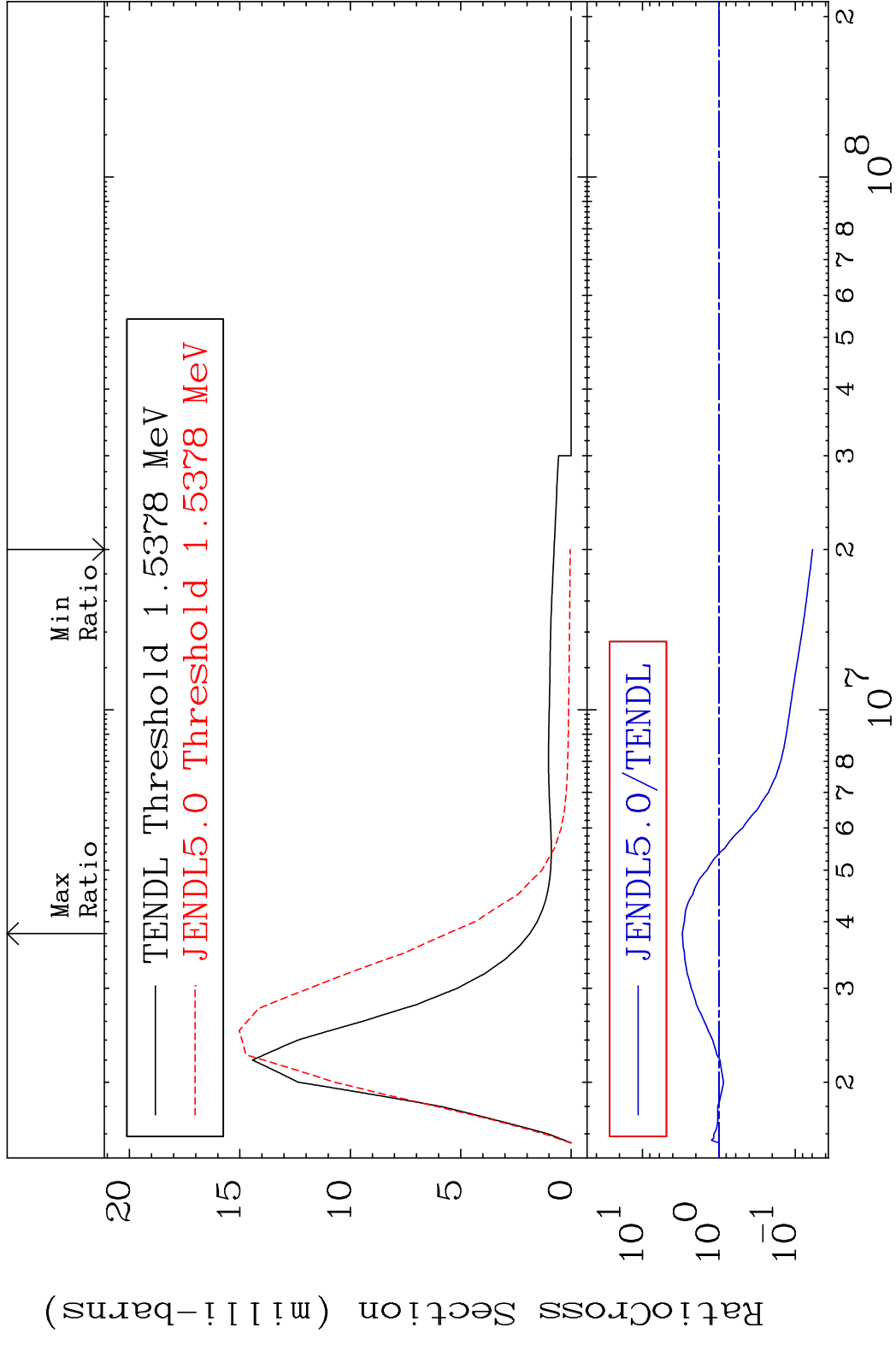


30 Incident Energy (eV) 66-Dy-158

MAT 6631 MT= 72 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 6660. %



MAT 6631 MT= 73 (n, n') Level 66-Dy-158
 Cross Section -94.08 To 200.1 %

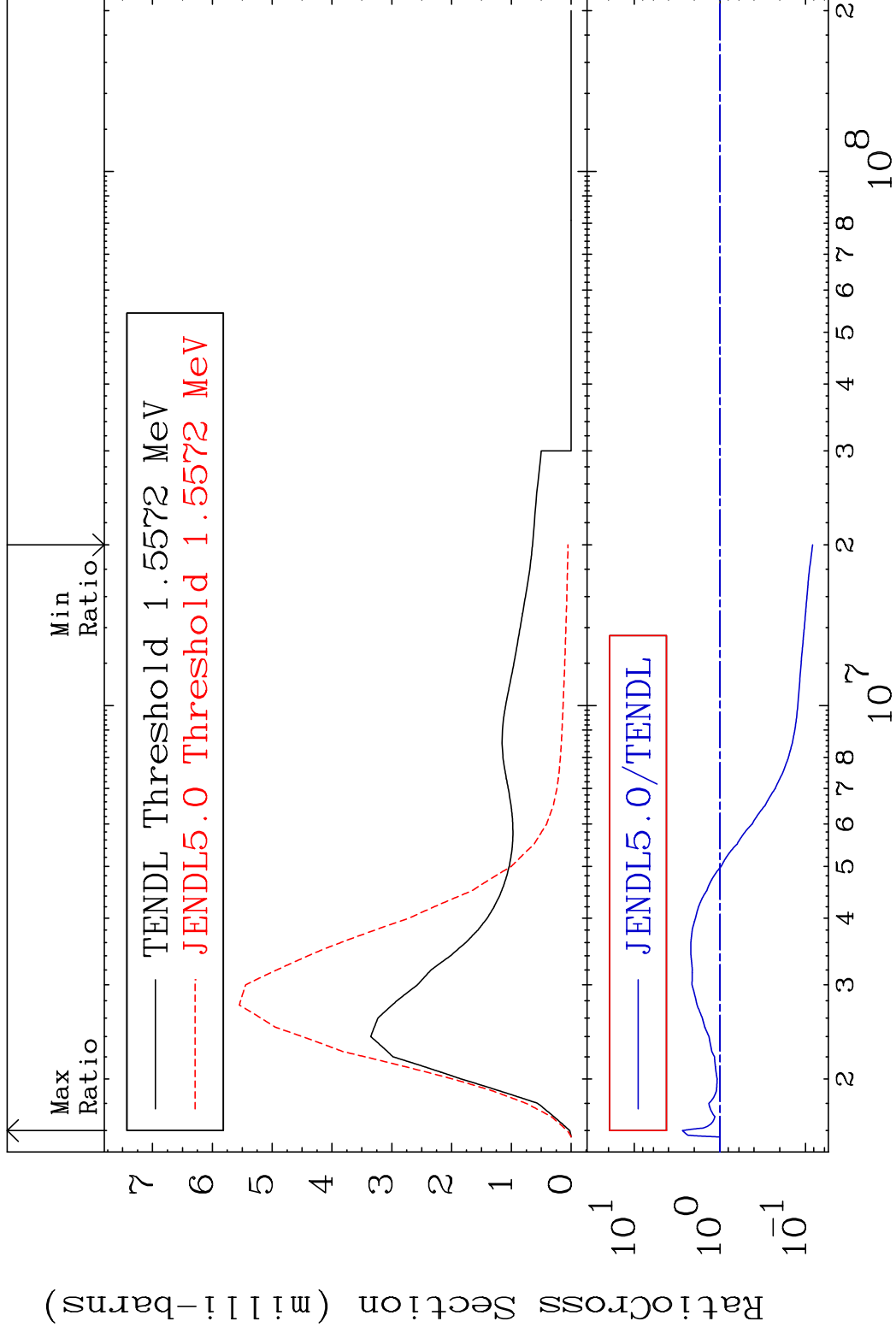


MAT 6631

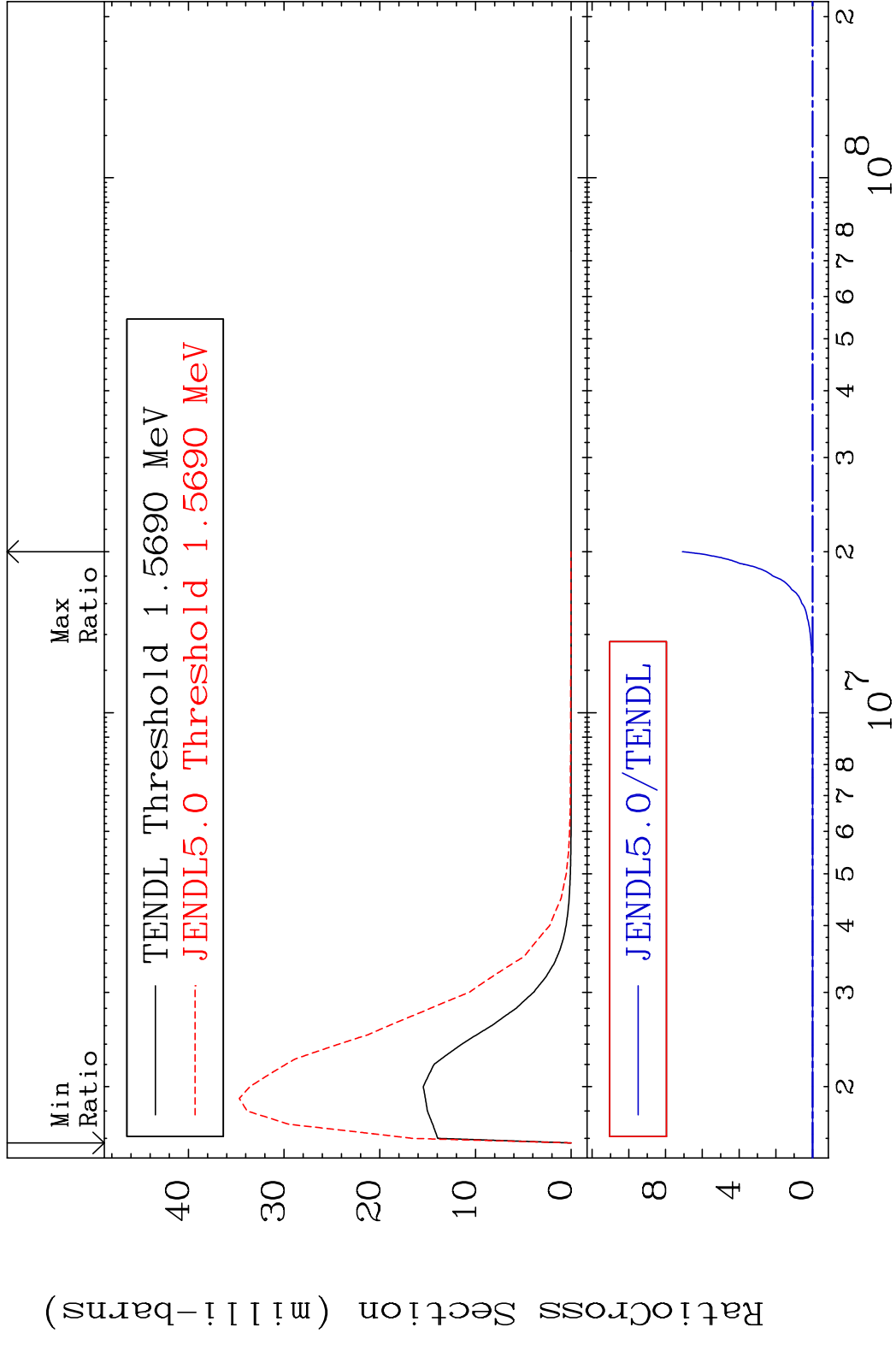
MT= 74 (n, n') Level

66-Dy-158

Cross Section -91.74 To 174.8 %



MAT 6631 MT= 75 (n, n') Level 66-Dy-158
 Cross Section -100.0 To 9999. %

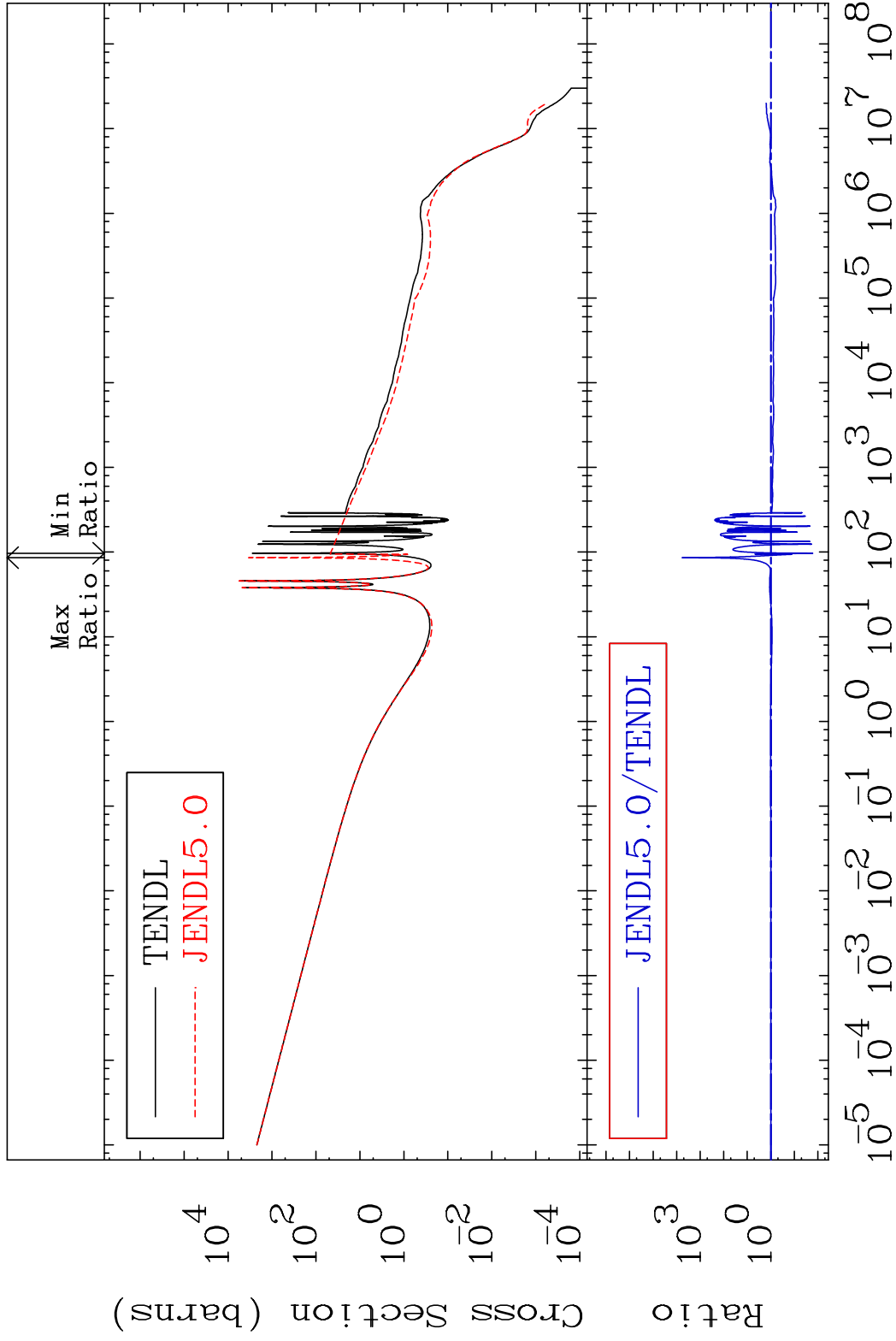


MAT 6631

(n, γ)

66-Dy-158

Cross Section -98.32 To 9999. %



36

Incident Energy (eV)

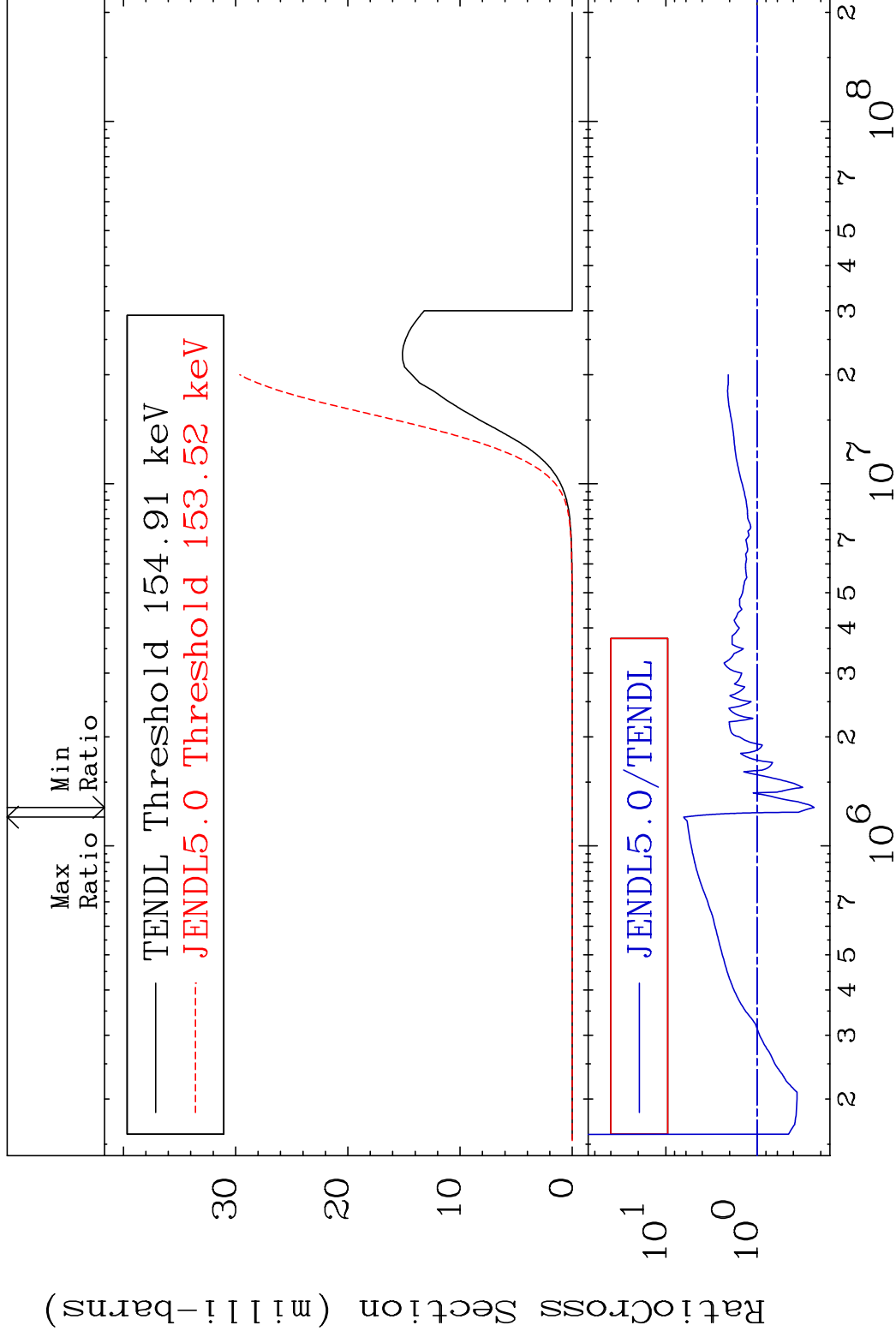
66-Dy-158

MAT 6631

(n, p)

66-Dy-158

Cross Section -76.27 To 536.8 %

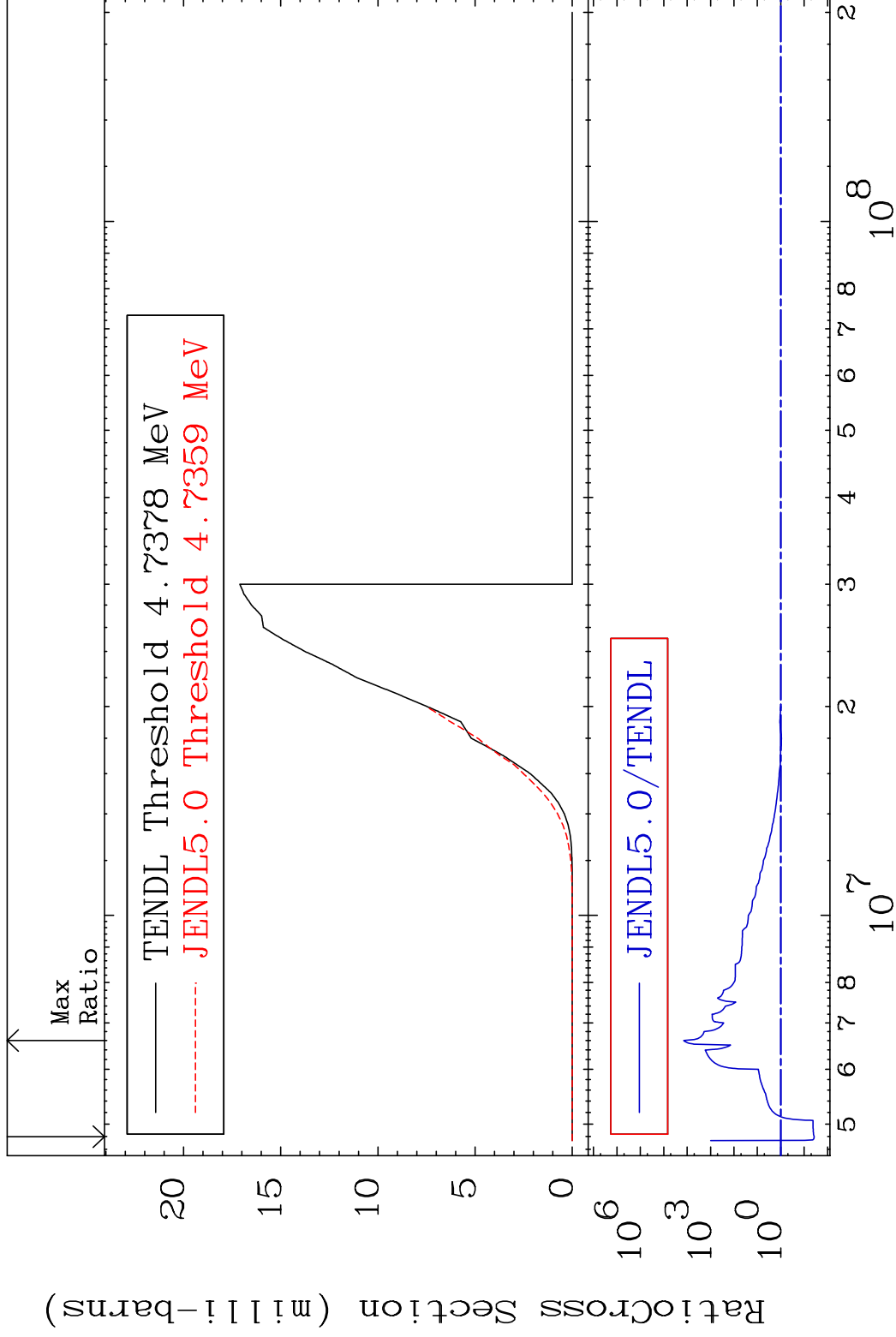


MAT 6631

(n,d)

66-Dy-158

Cross Section -96.25 To 9999. %



38

Incident Energy (eV)

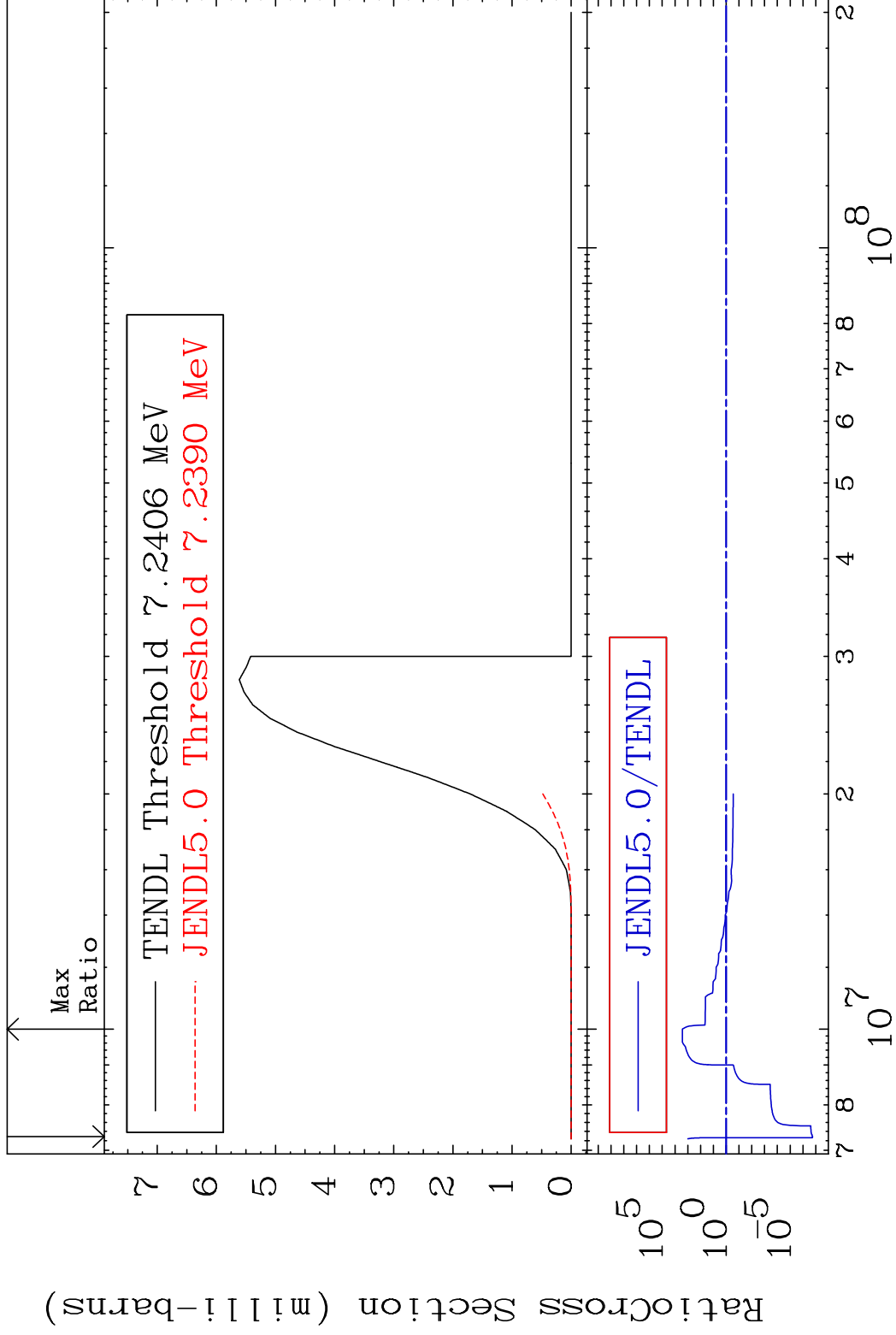
66-Dy-158

MAT 6631

(n, t)

66-Dy-158

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

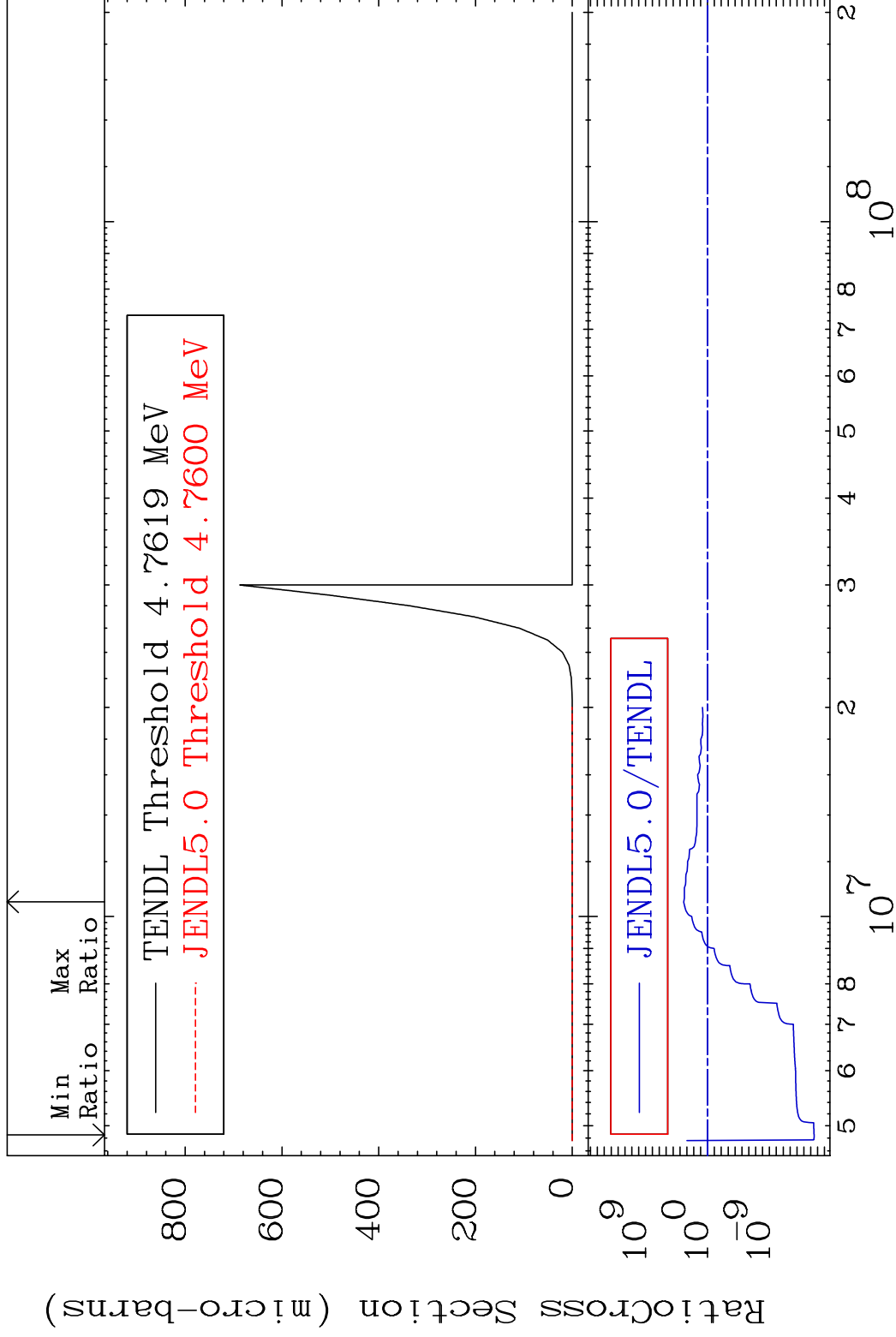
66-Dy-158

MAT 6631

(n, He-3)

66-Dy-158

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

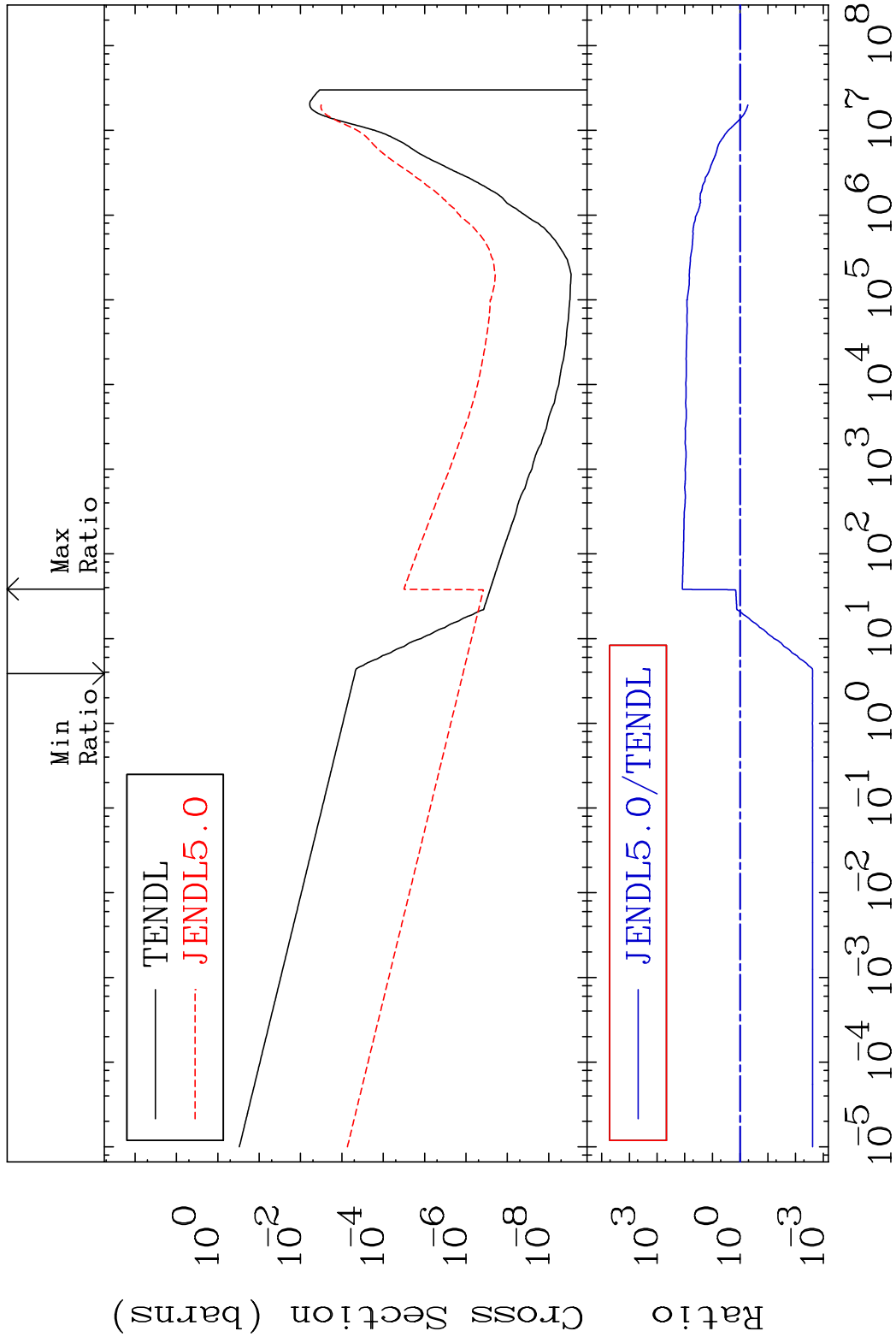
66-Dy-158

MAT 6631

(n, α)

66-Dy-158

Cross Section -99.76 To 9999. %



41

Incident Energy (eV)

66-Dy-158

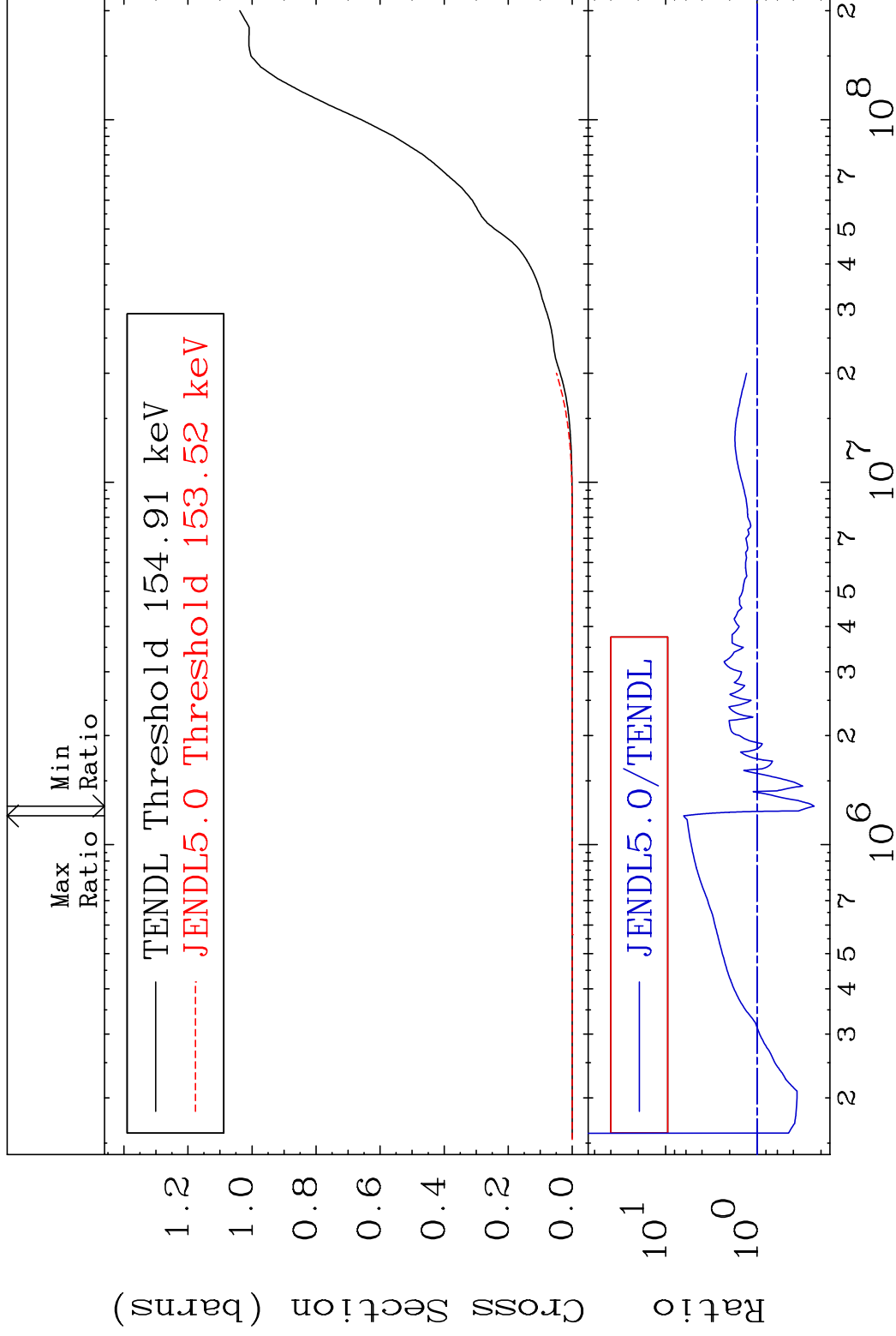
MAT 6631

Hydrogen Production

66-Dy-158

Cross Section

-76.27 To 536.2 %

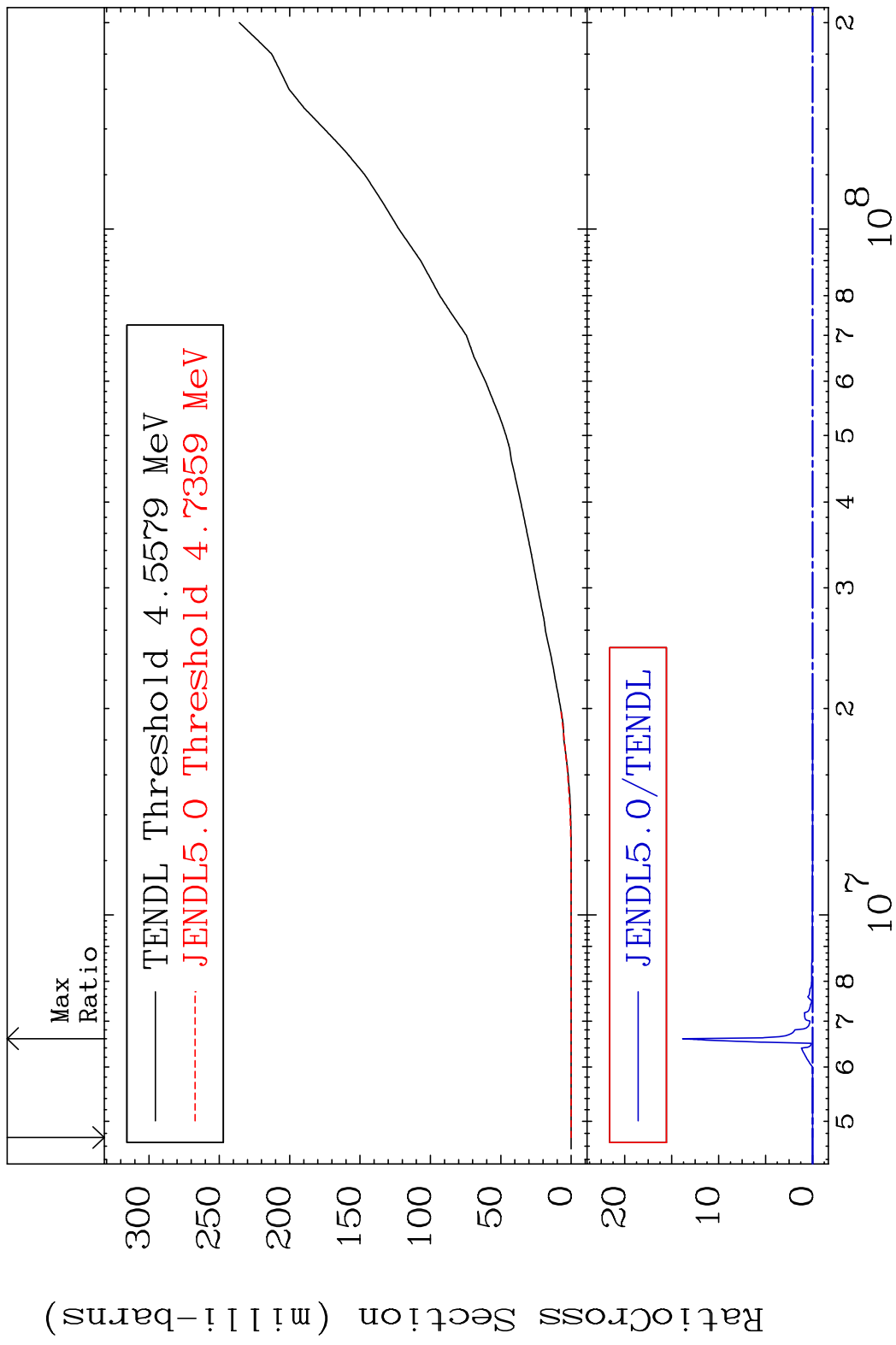


42

Incident Energy (eV)

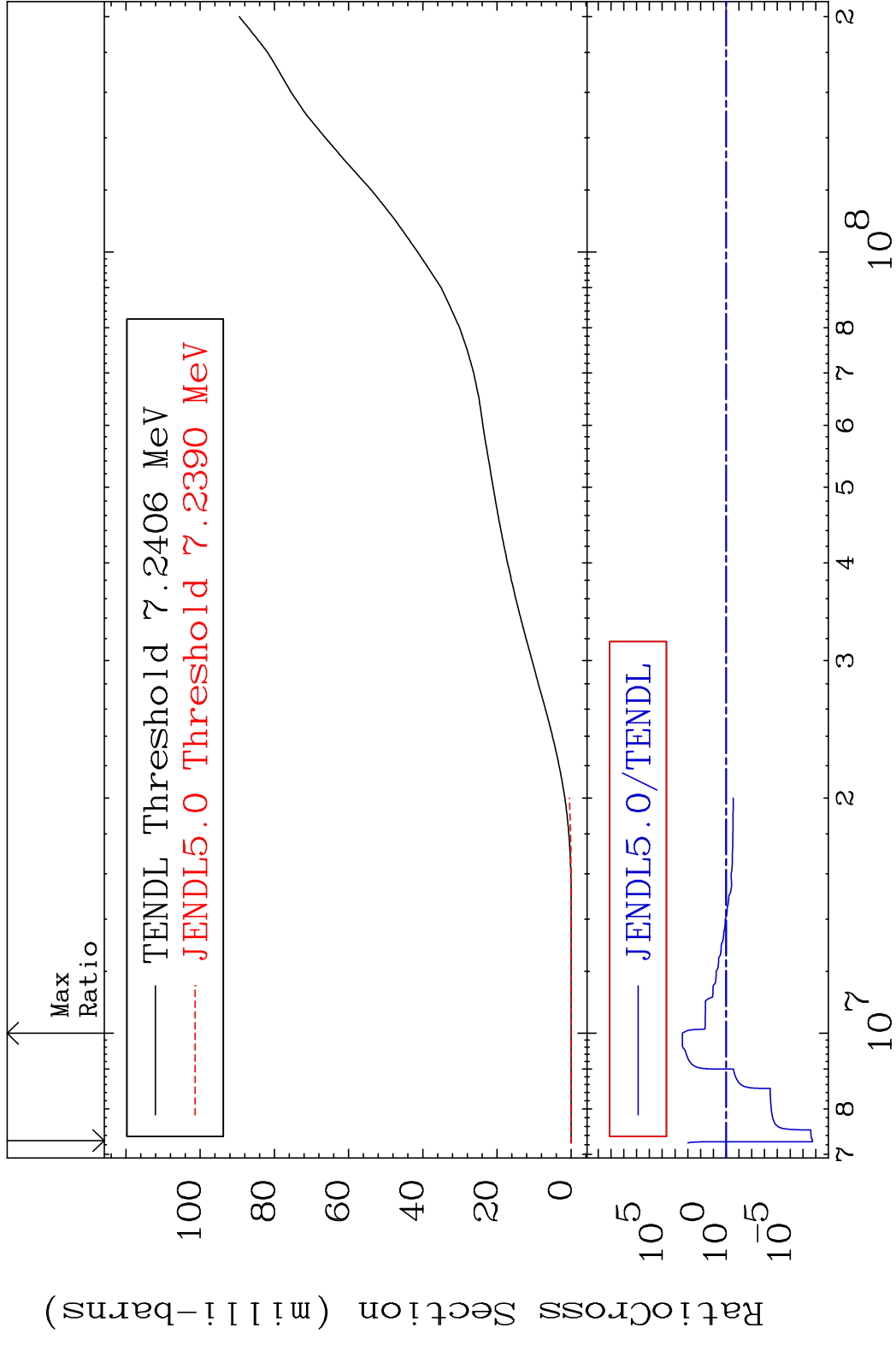
66-Dy-158

MAT 6631 Deuterium Production 66-Dy-158
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 66-Dy-158

MAT 6631 Tritium Production 66-Dy-158
 Cross Section -100.0 To 9999. %

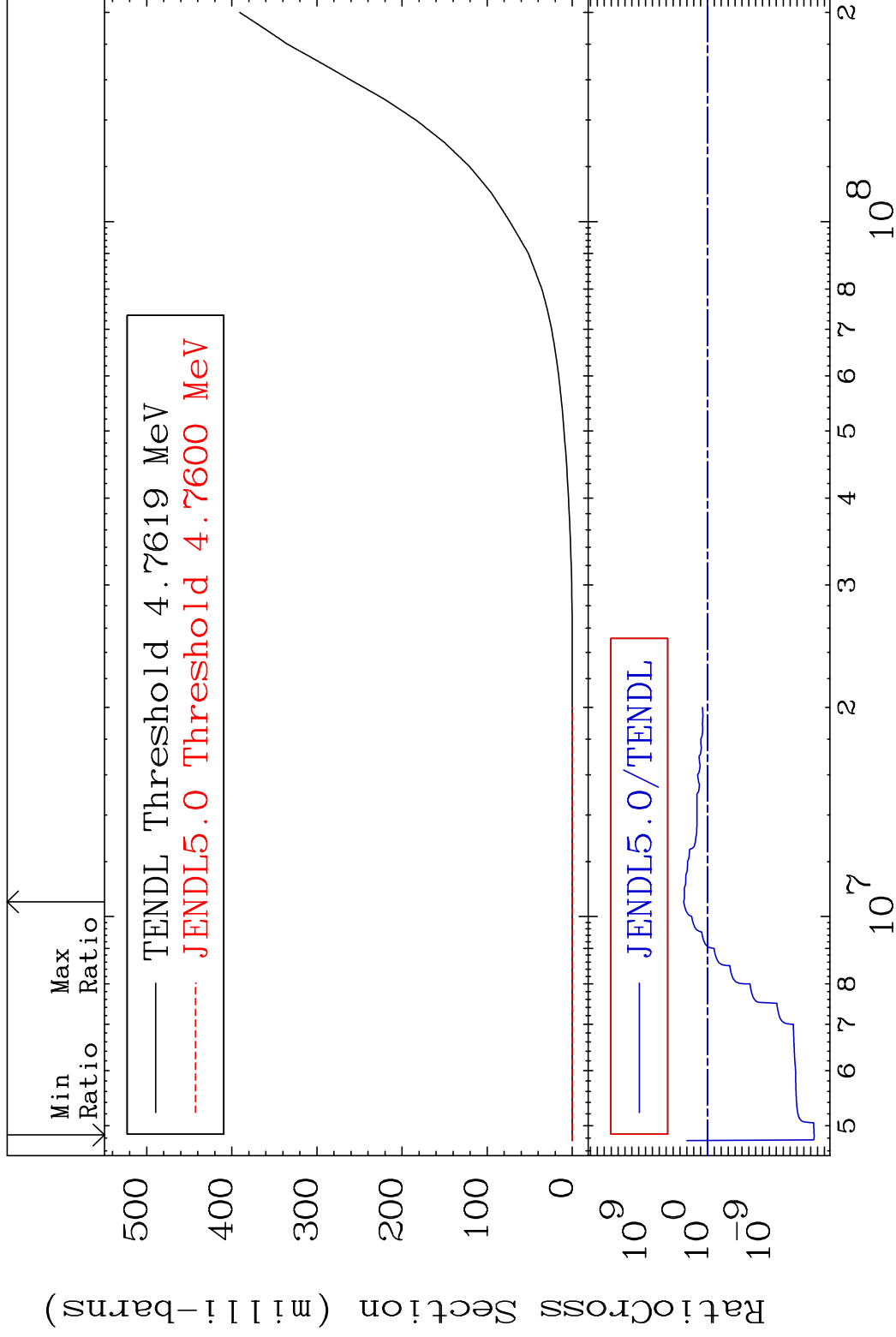


MAT 6631

He-3 Production

66-Dy-158

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

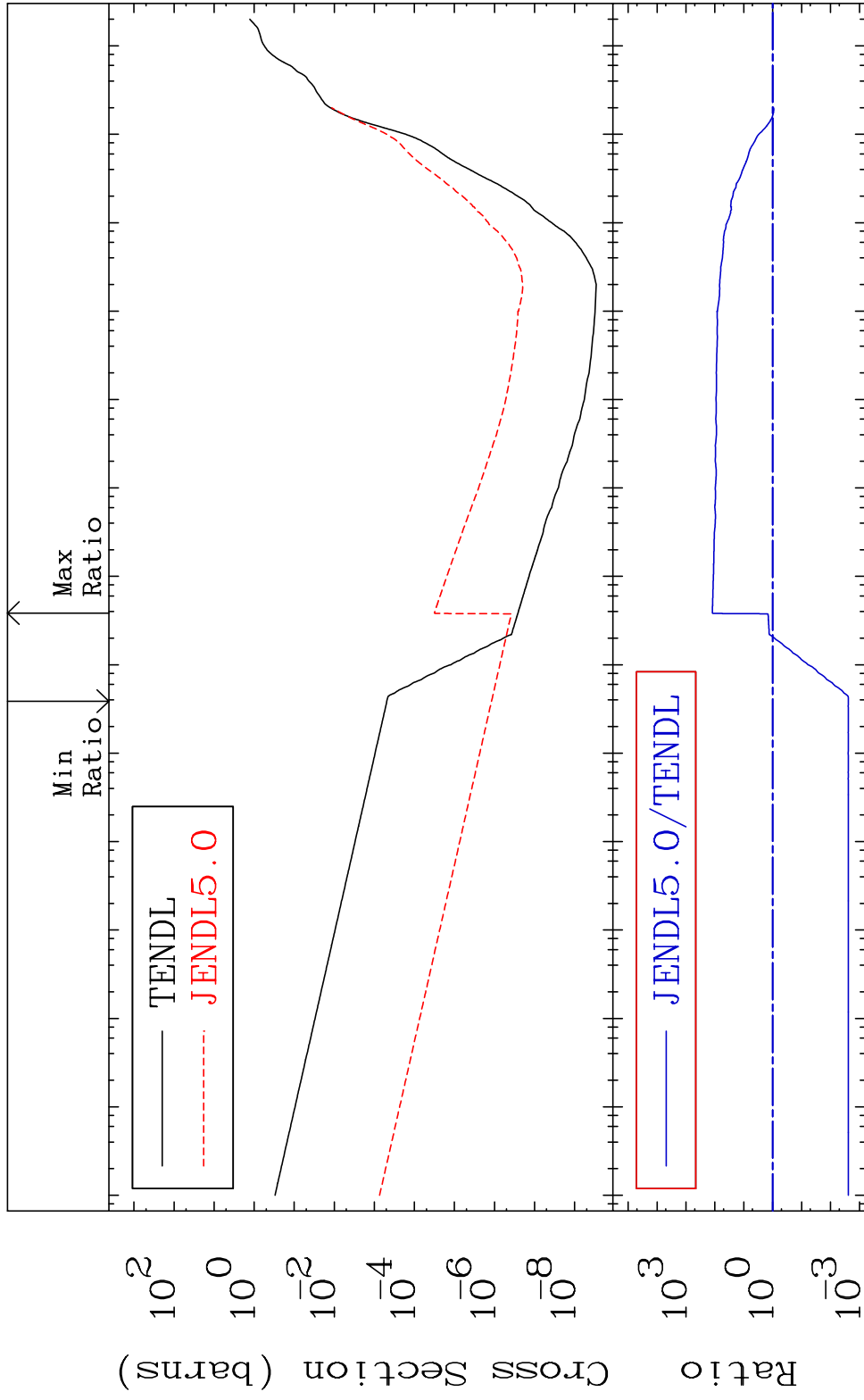
66-Dy-158

MAT 6631

He-4 Production

66-Dy-158

Cross Section -99.76 To 9999. %

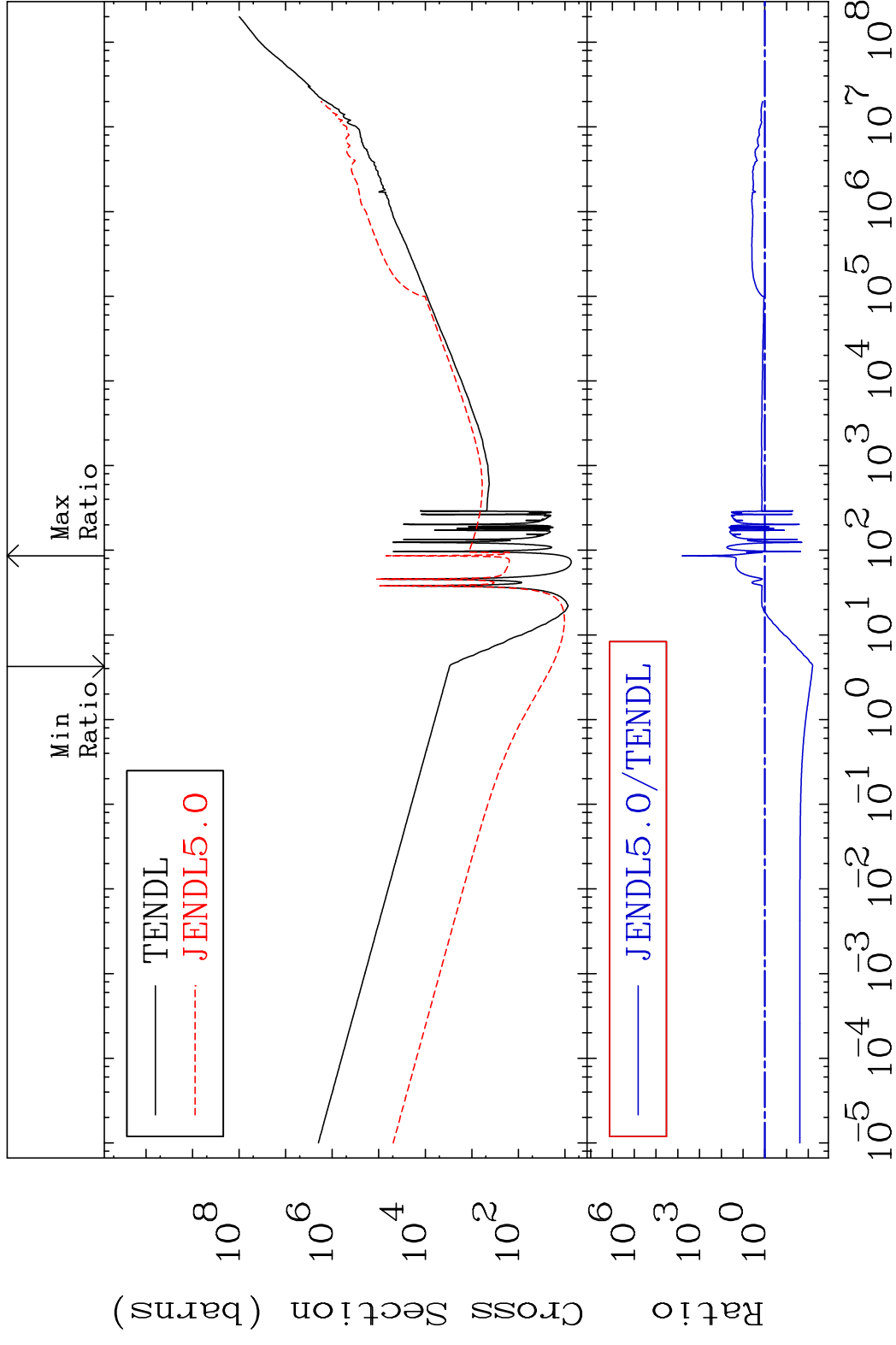


46

Incident Energy (eV)

66-Dy-158

MAT 6631 Kerma total (eV-barns) 66-Dy-158
 Cross Section -99.36 To 9999. %

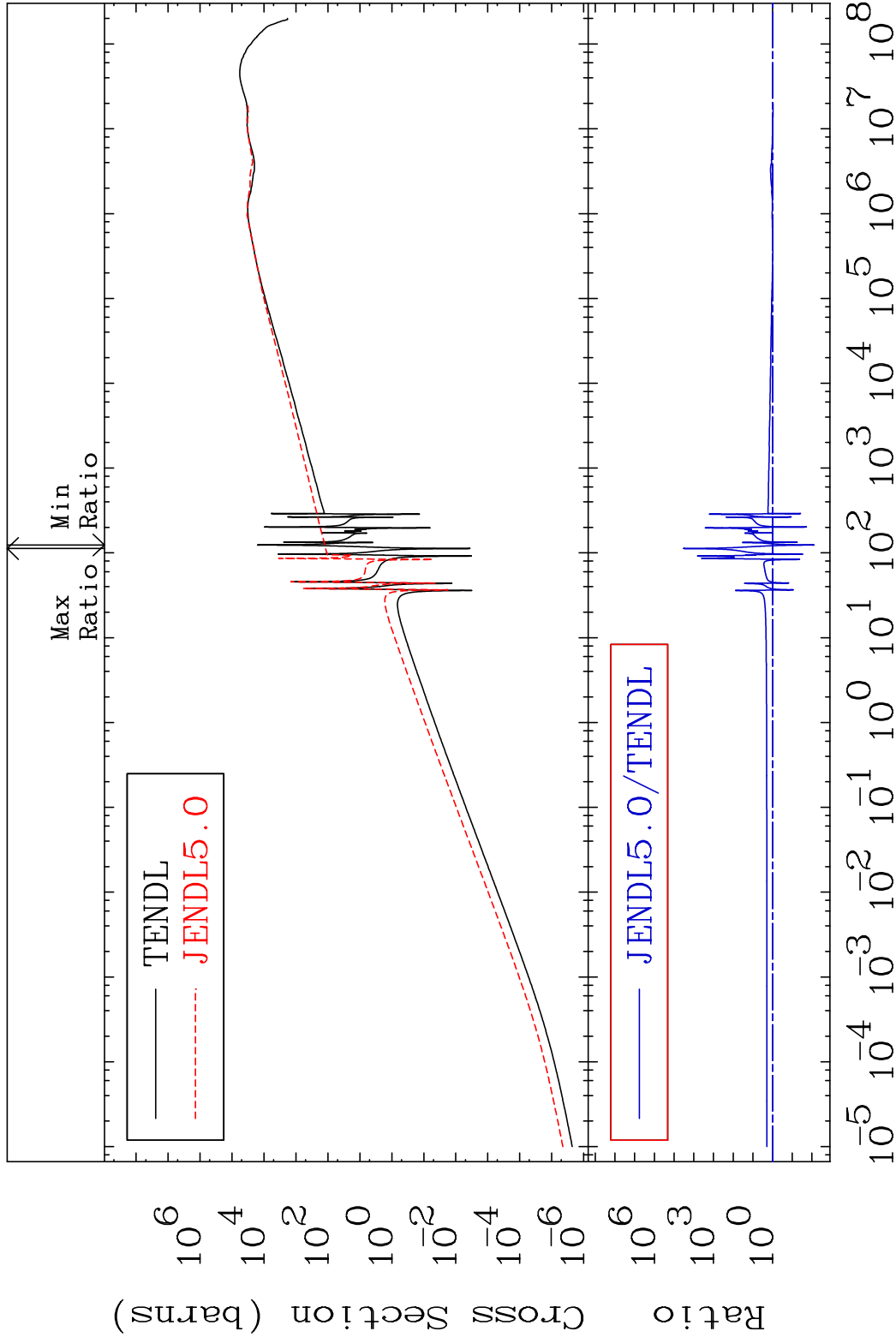


MAT 6631

Kerma elastic

66-Dy-158

Cross Section -99.22 To 9999. %

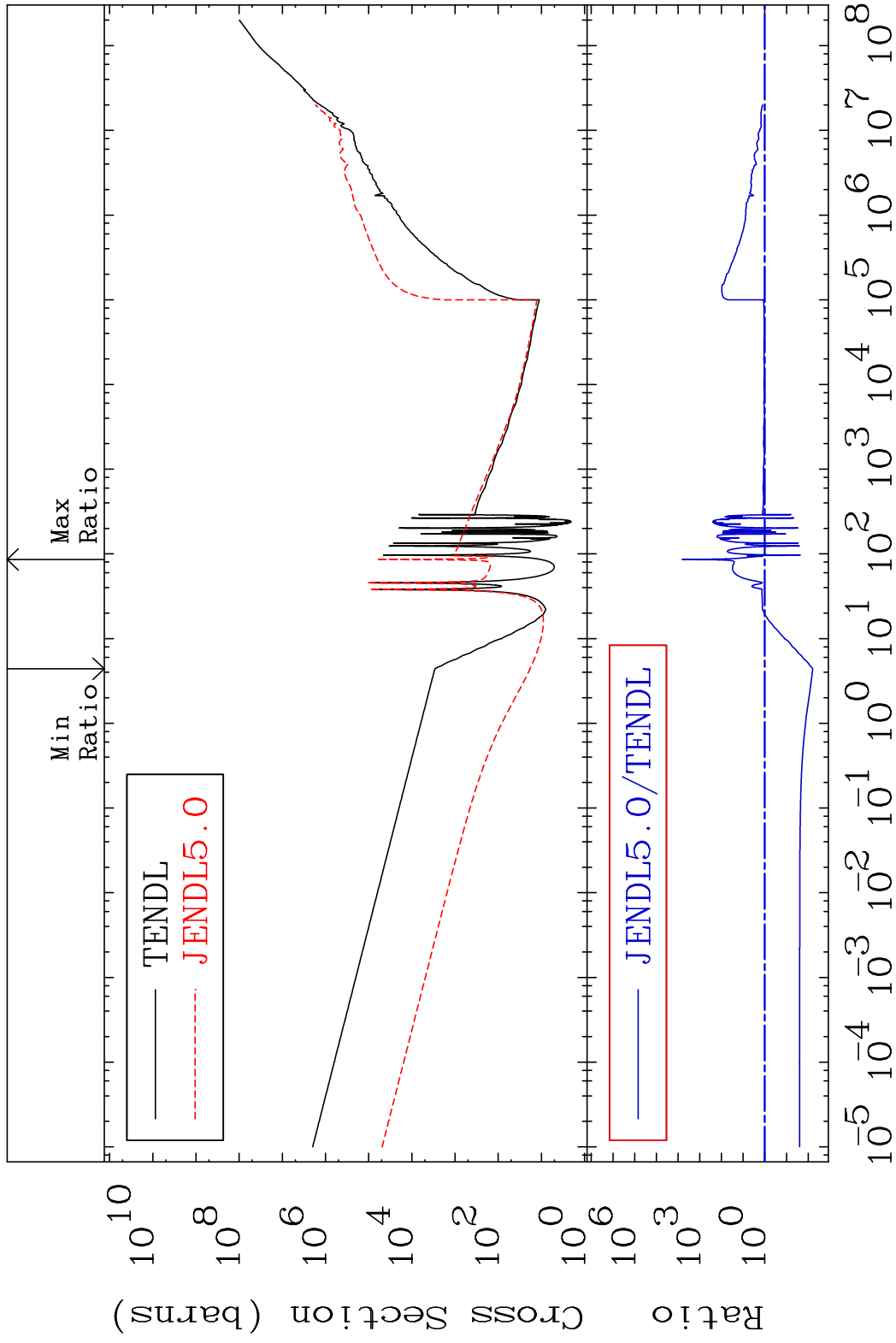


48

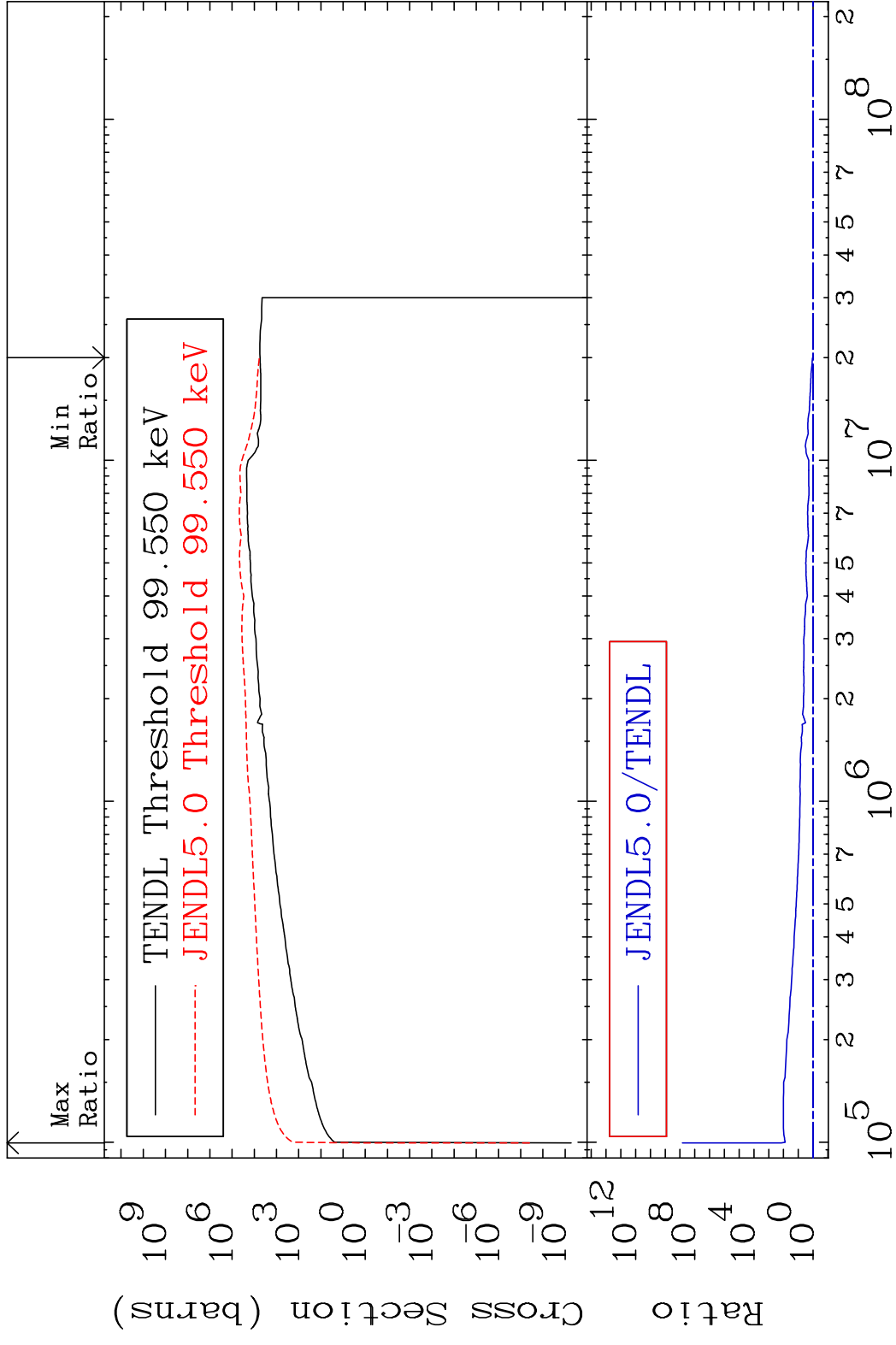
Incident Energy (eV)

66-Dy-158

MAT 6631 Kerma non-elastic (all but mt2) 66-Dy-158
 Cross Section -99.37 To 9999. %

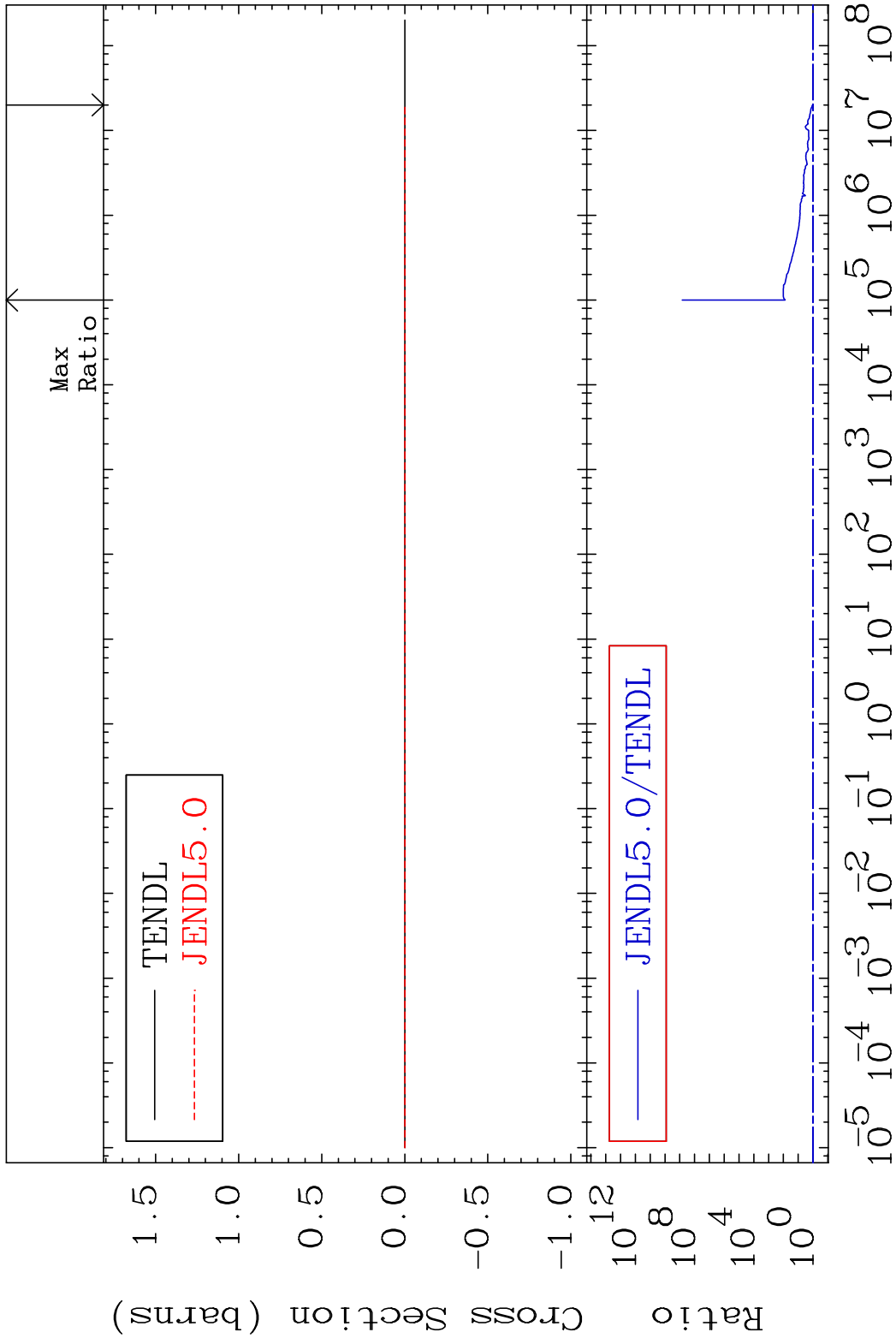


MAT 6631 Kerma inelastic (mt51-91) 66-Dy-158
 Cross Section 8.368 To 9999. %



50 Incident Energy (eV) 66-Dy-158

MAT 6631 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-158
 Cross Section 8.368 To 9999. %

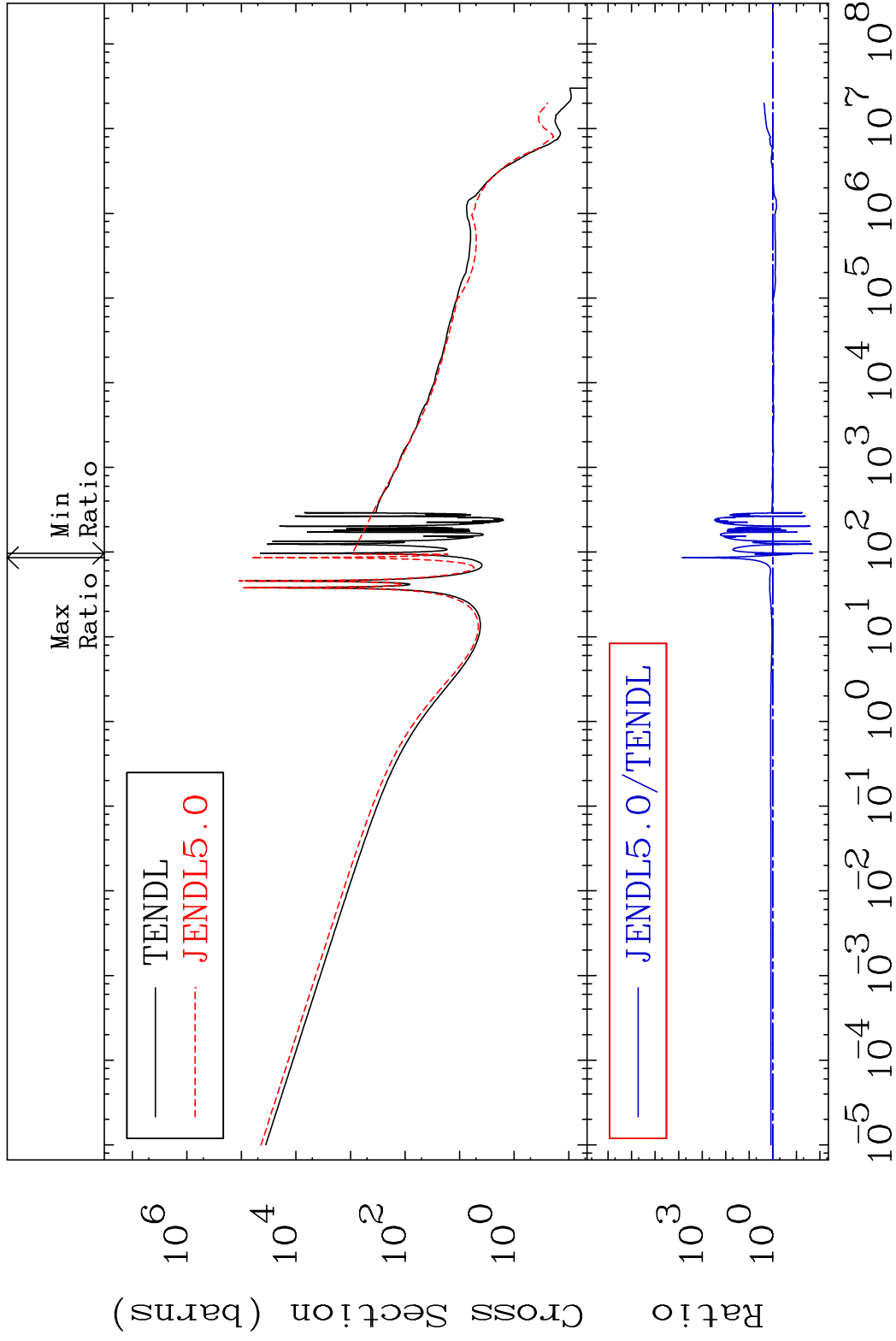


MAT 6631

Kerma capture (mt102)

66-Dy-158

Cross Section -97.96 To 9999. %

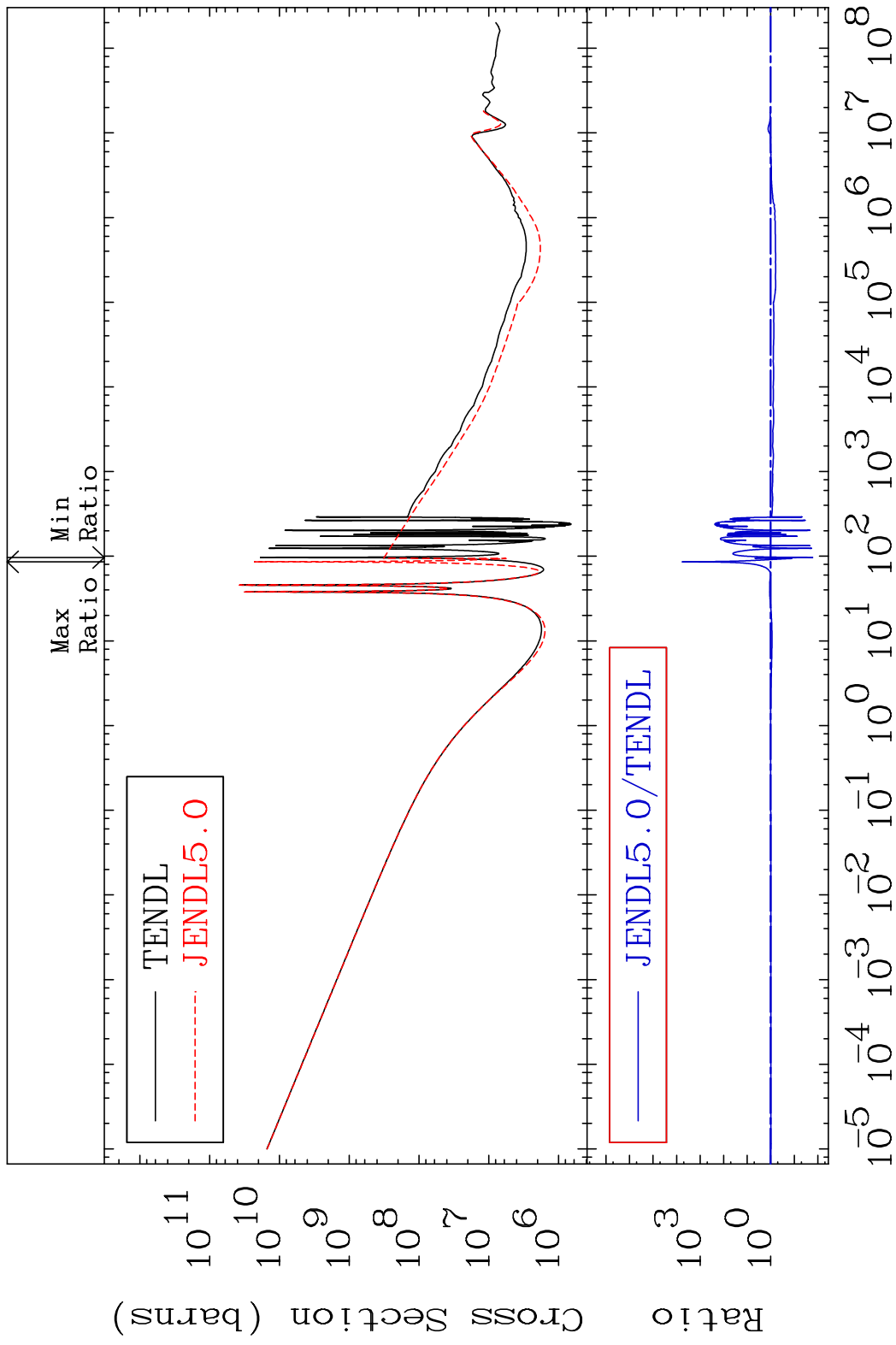


52

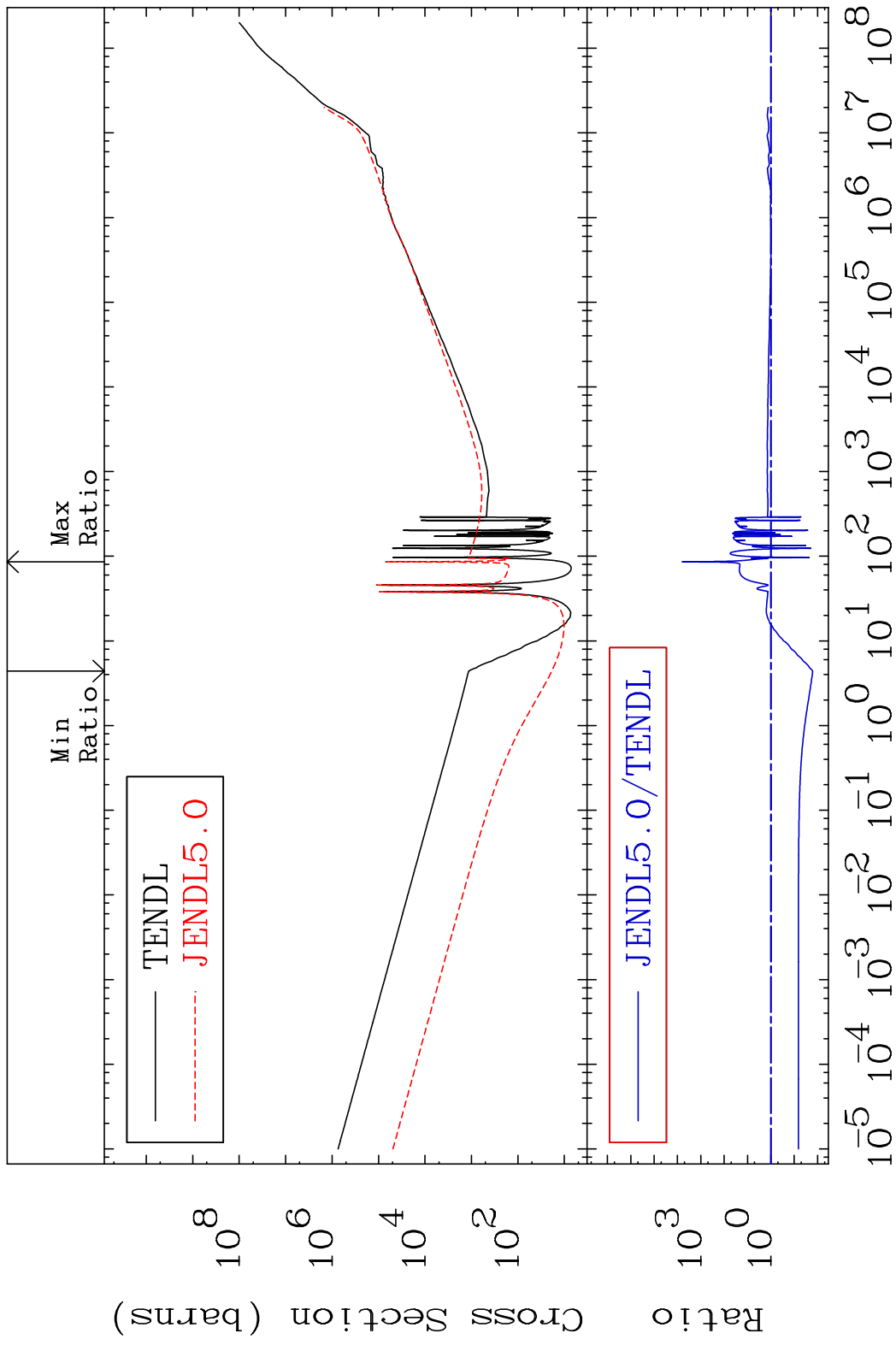
Incident Energy (eV)

66-Dy-158

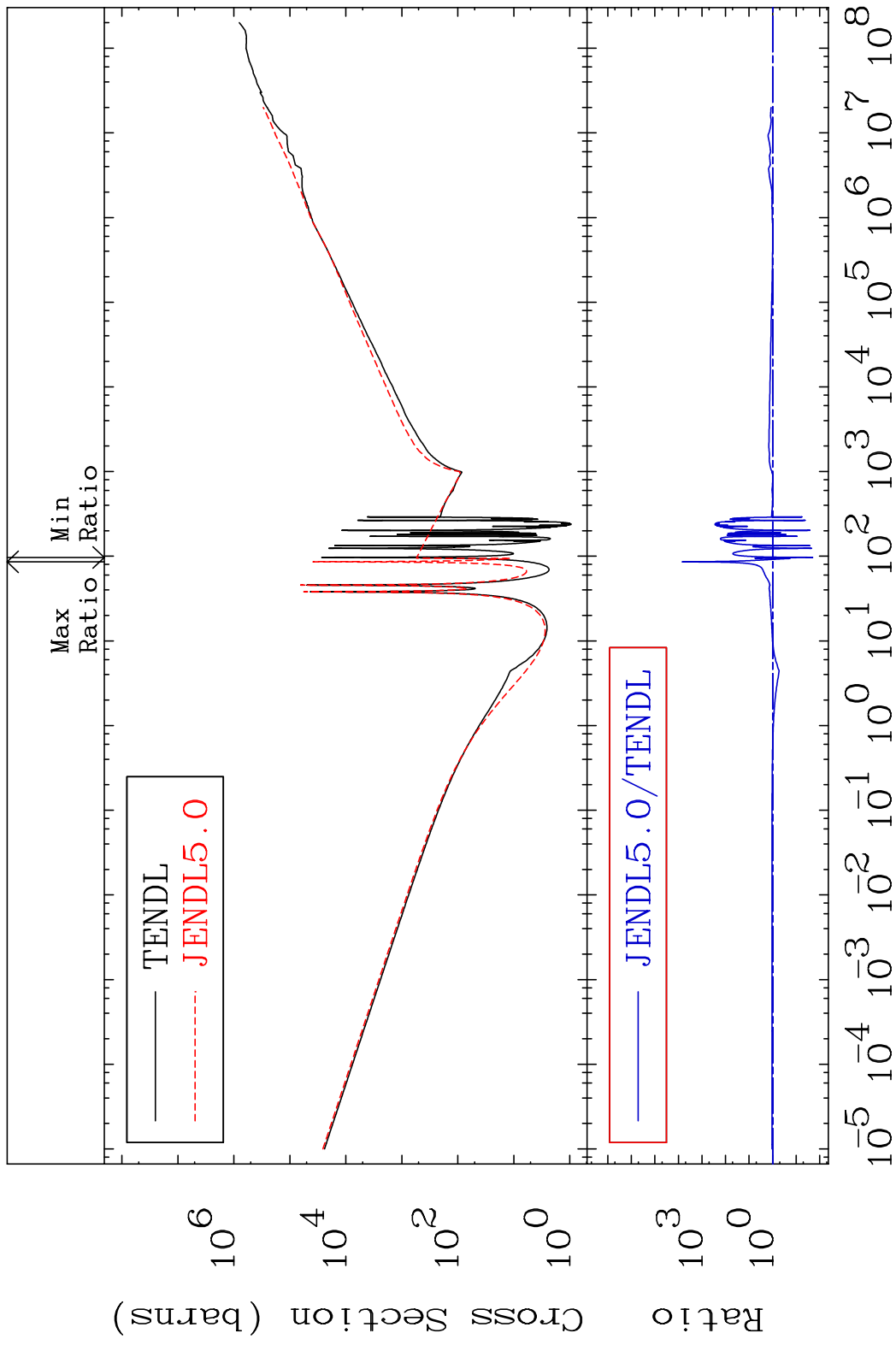
MAT 6631 Total photon (eV-barns) 66-Dy-158
 Cross Section -98.33 To 9999. %



MAT 6631 Total kinematic kerma (high limit) 66-Dy-158
 Cross Section -98.36 To 9999. %



MAT 6631 Dpa total (eV-barns) 66-Dy-158
 Cross Section -97.99 To 9999. %

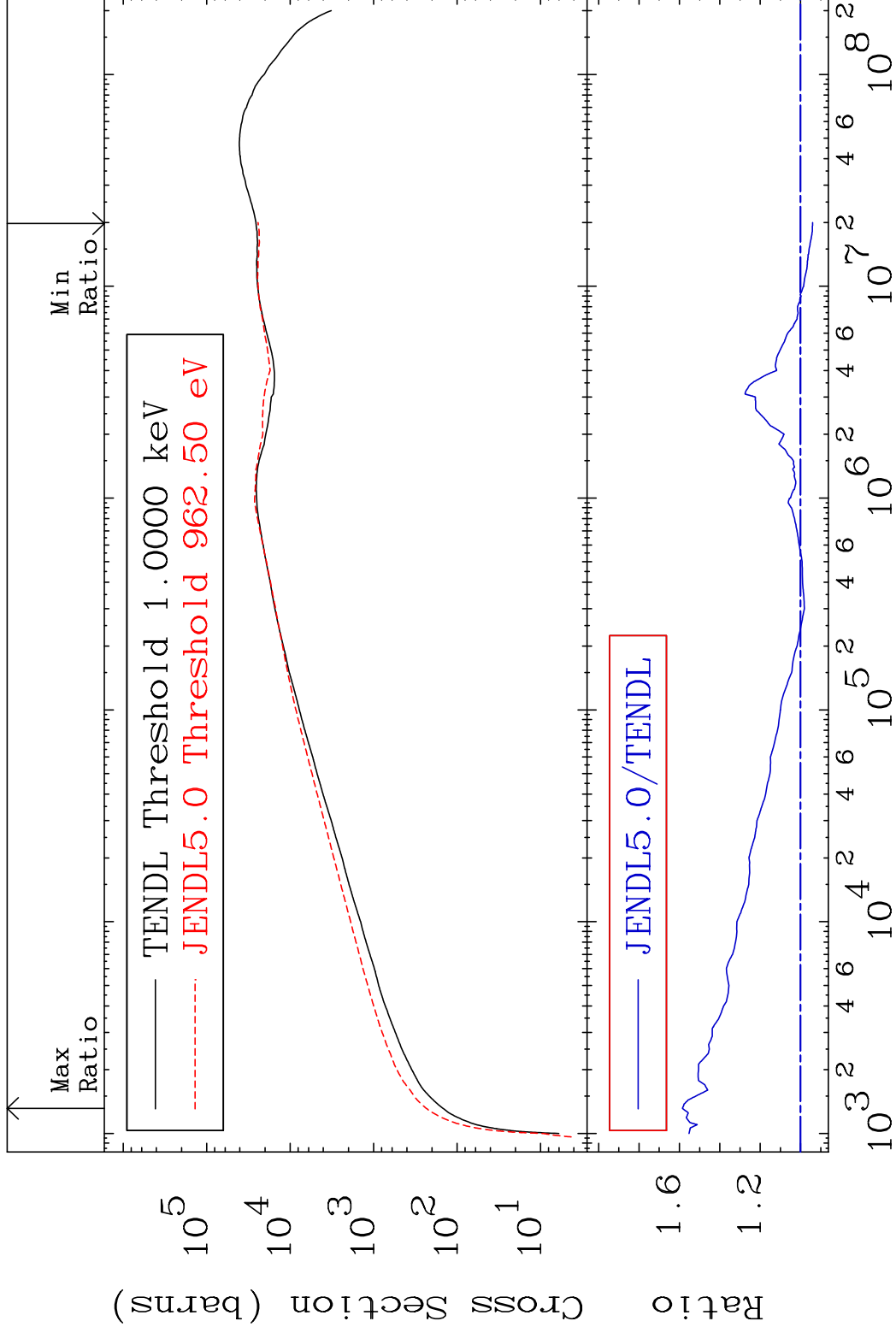


MAT 6631

Dpa elastic (mt2)

66-Dy-158

Cross Section -5.927 To 58.55 %

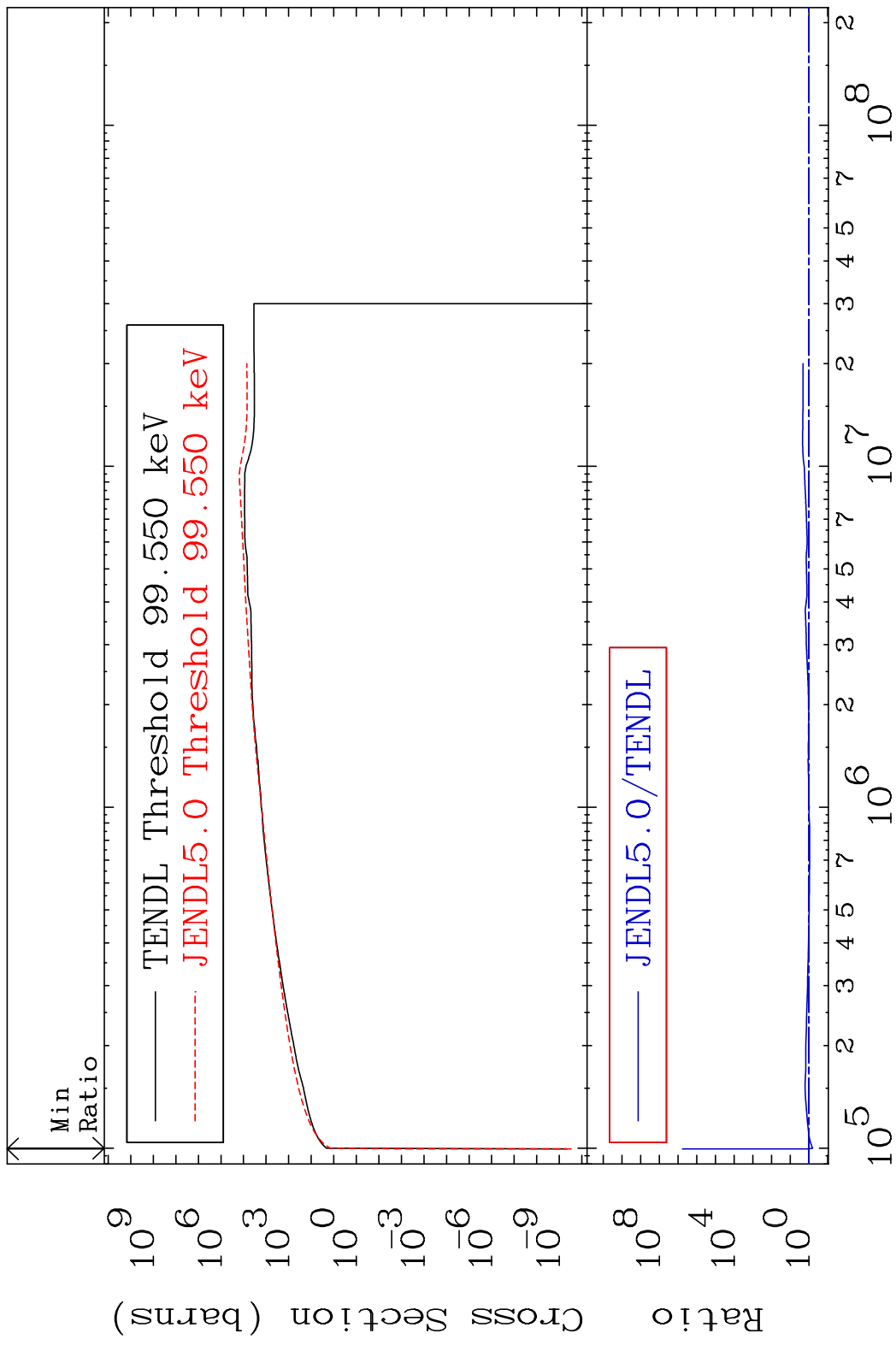


56

Incident Energy (eV)

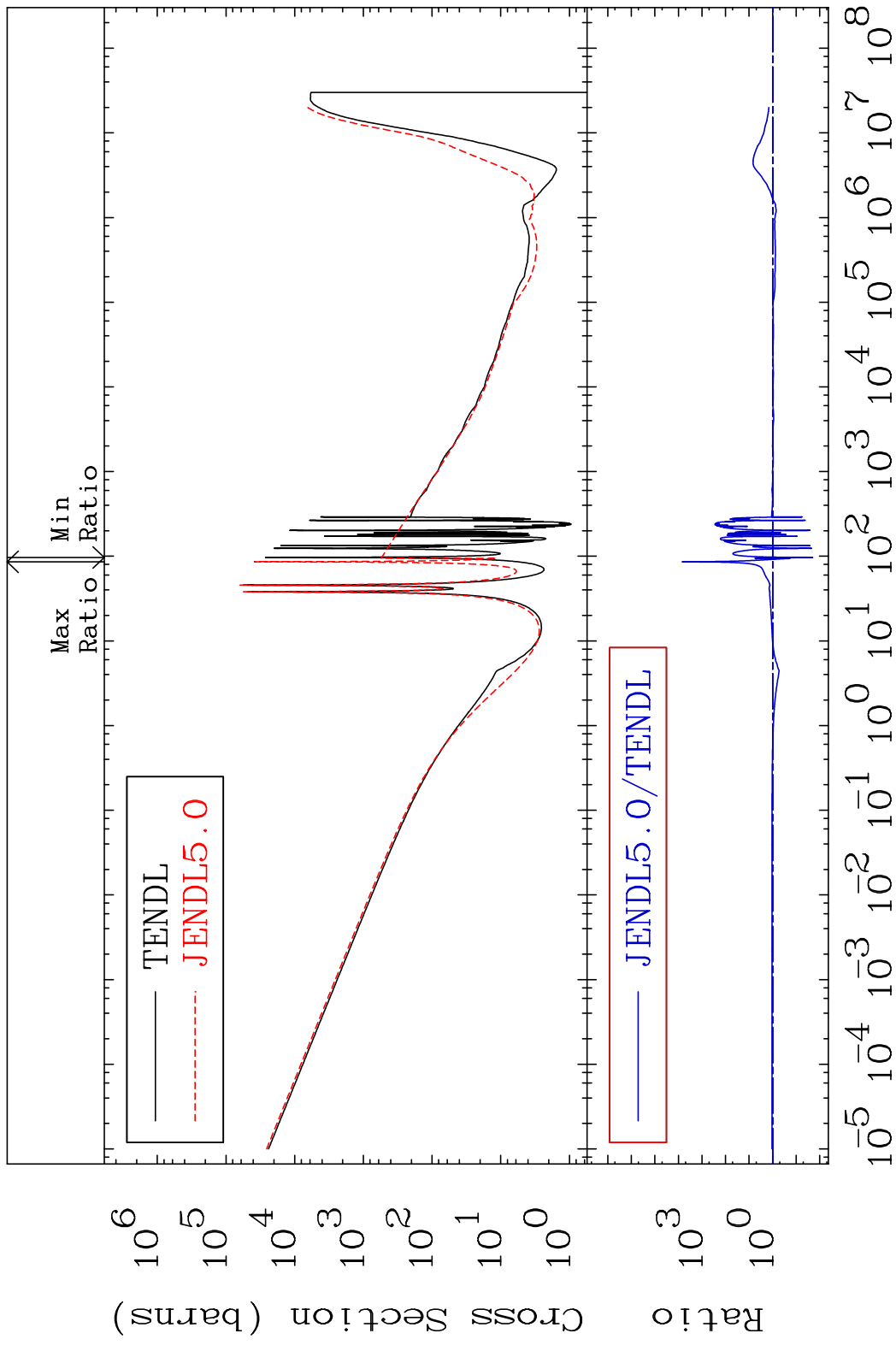
66-Dy-158

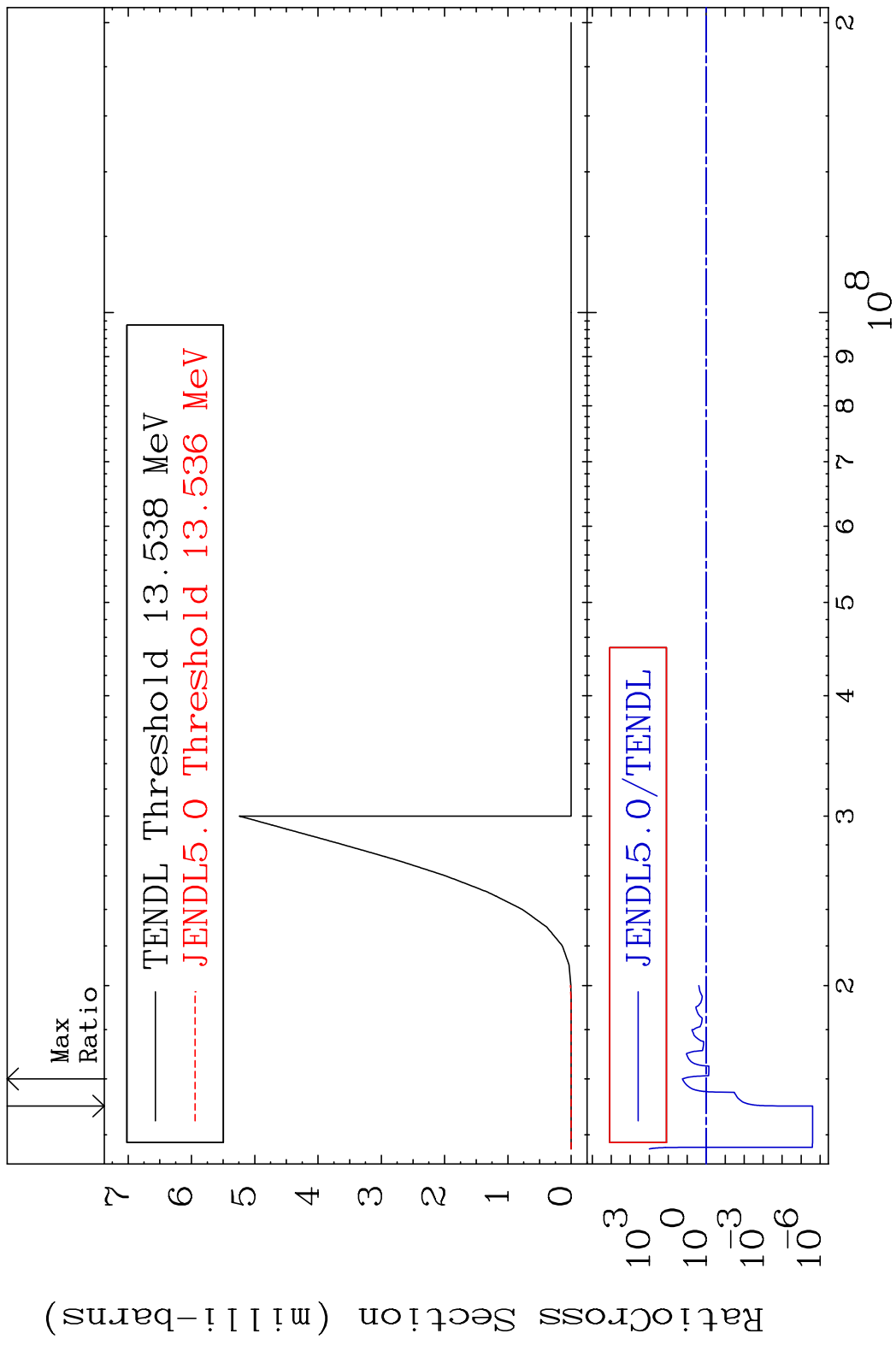
MAT 6631 Dpa inelastic (mt51-91) 66-Dy-158
 Cross Section -35.01 To 9999. %

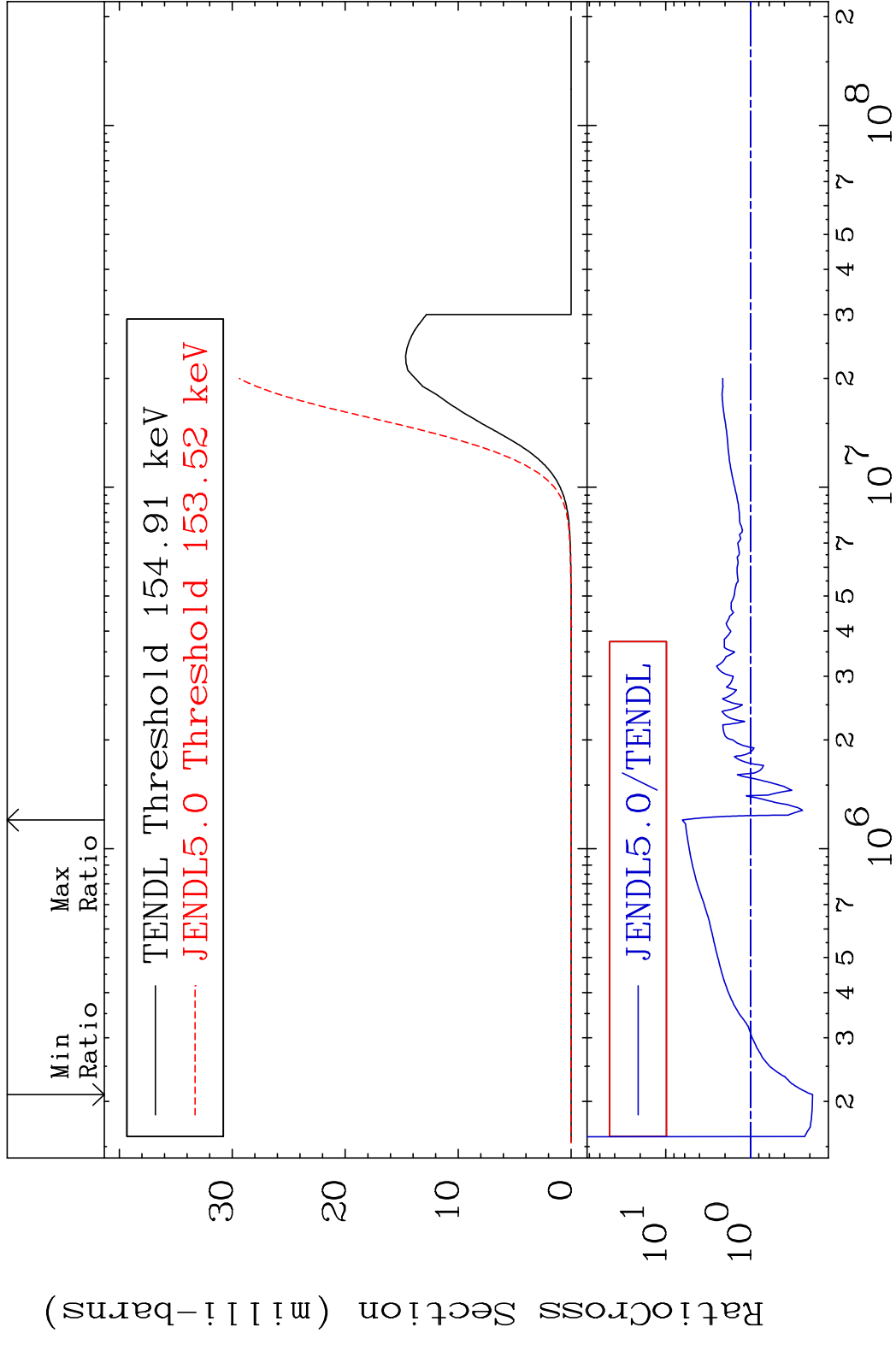


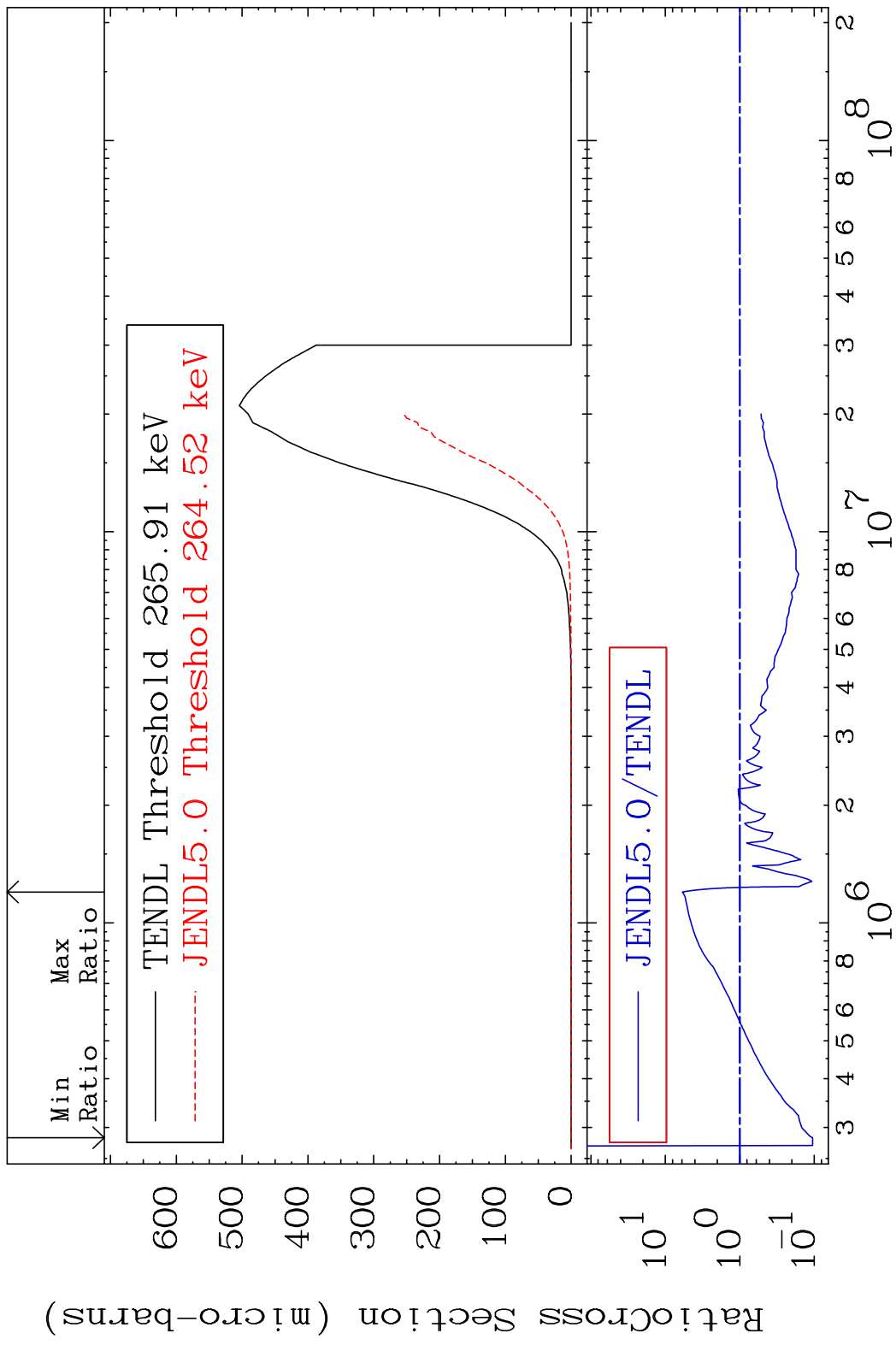
57 Incident Energy (eV) 66-Dy-158

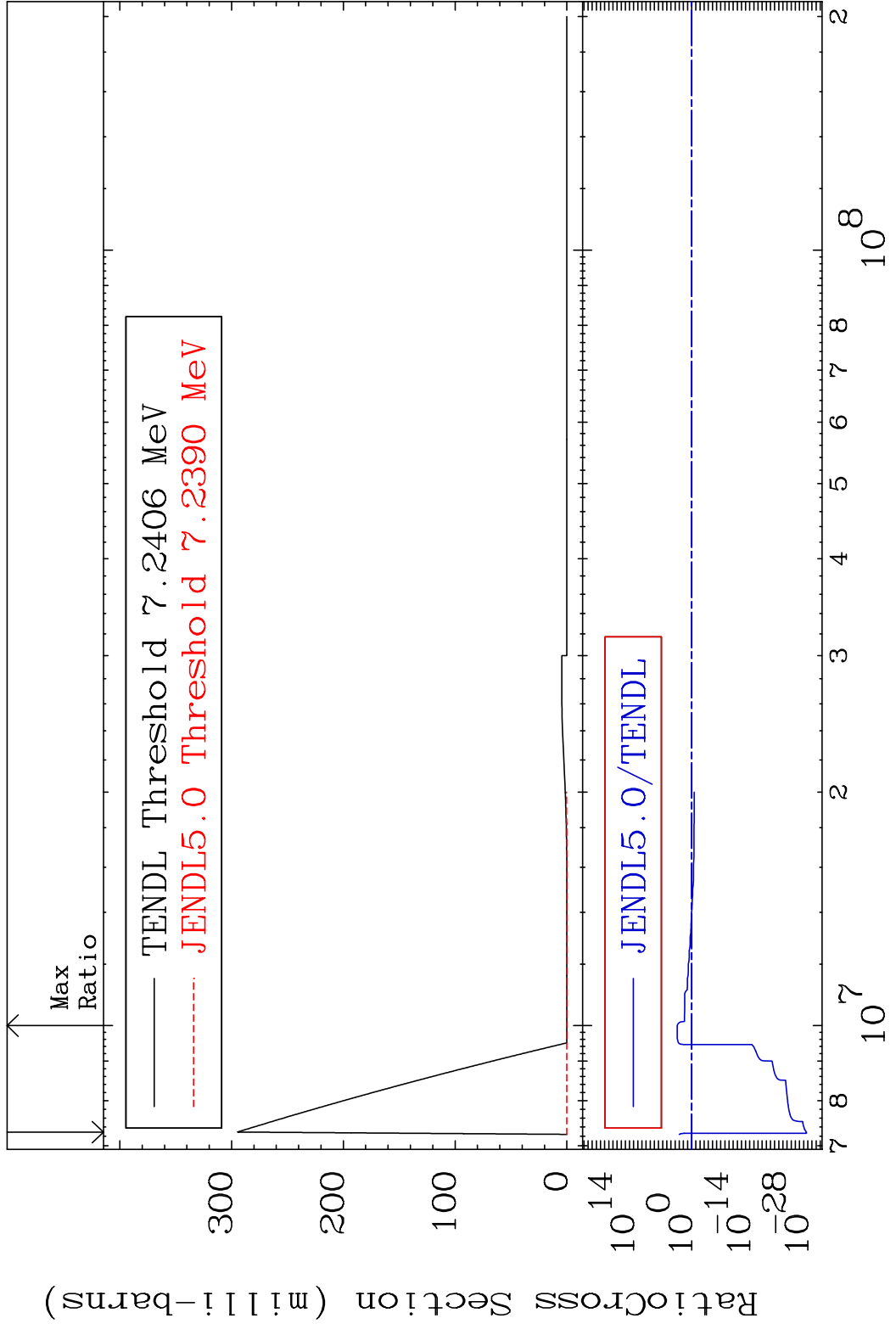
MAT 6631 Dpa disappearance (mt102 -120) 66-Dy-158
 Cross Section -97.99 To 9999. %



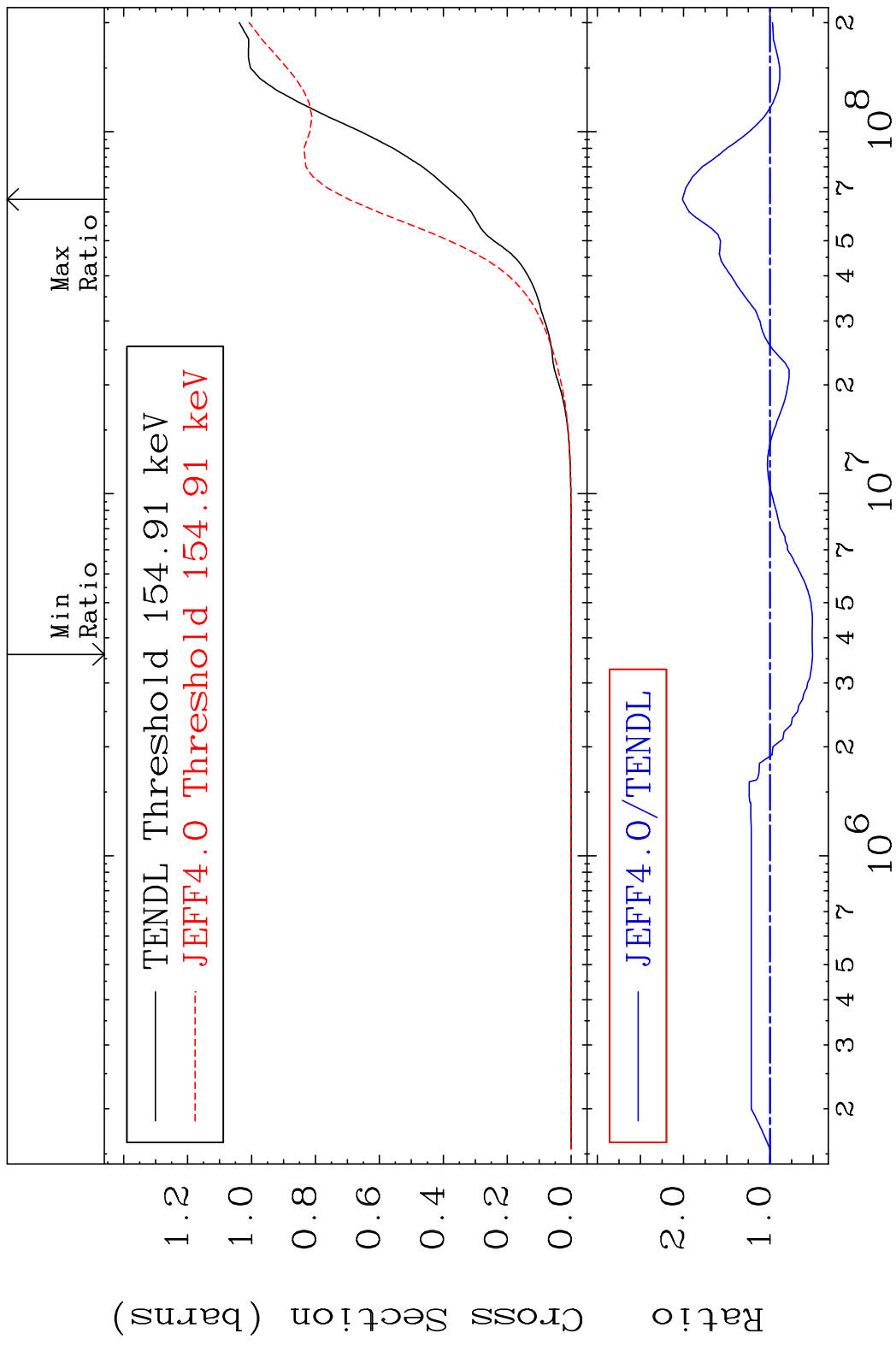








MAT 6631 Hydrogen Production 66-Dy-158
 Cross Section -49.31 To 101.5 %

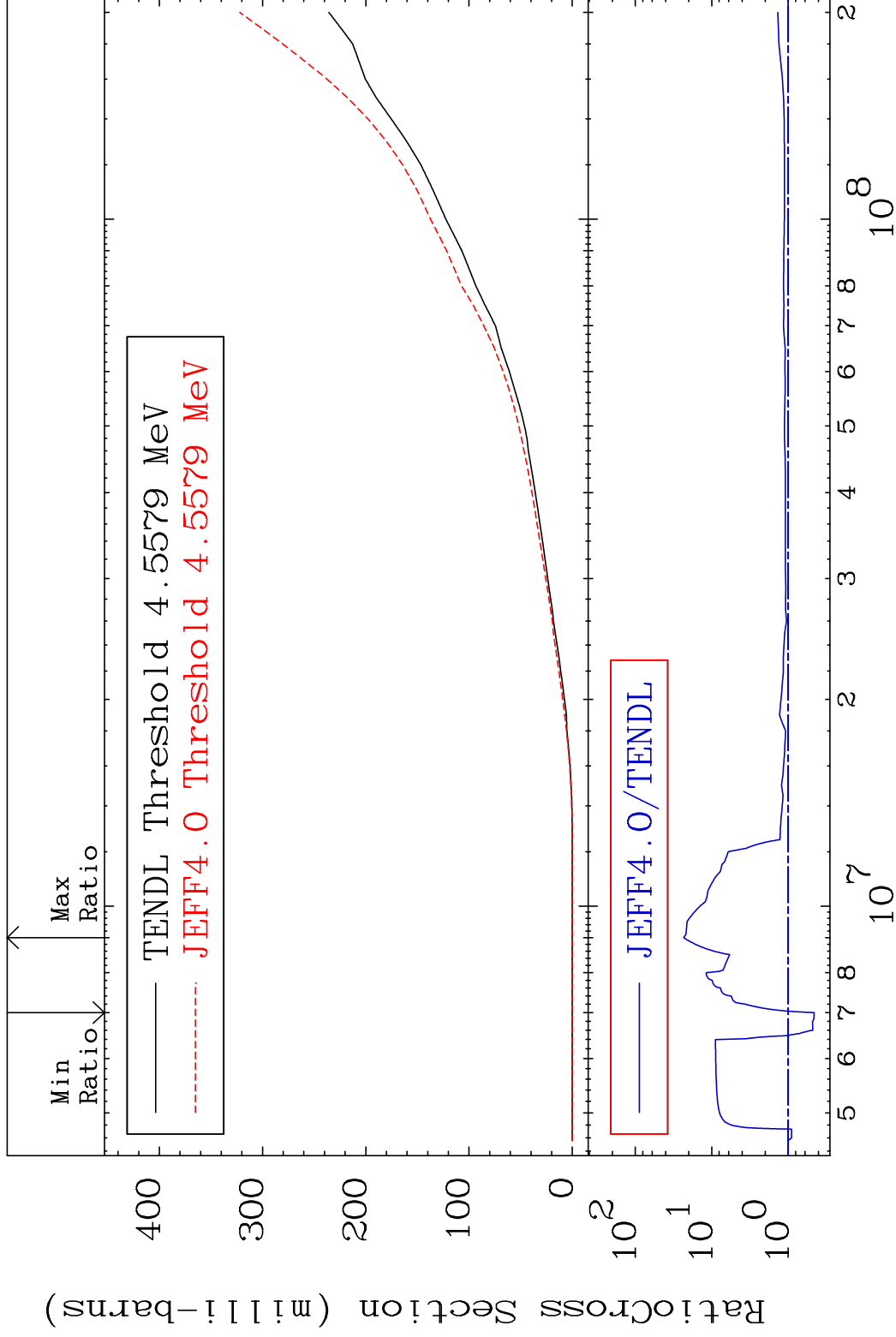


MAT 6631

Deuterium Production

66-Dy-158

Cross Section -54.26 To 2230. %



64

Incident Energy (eV)

66-Dy-158

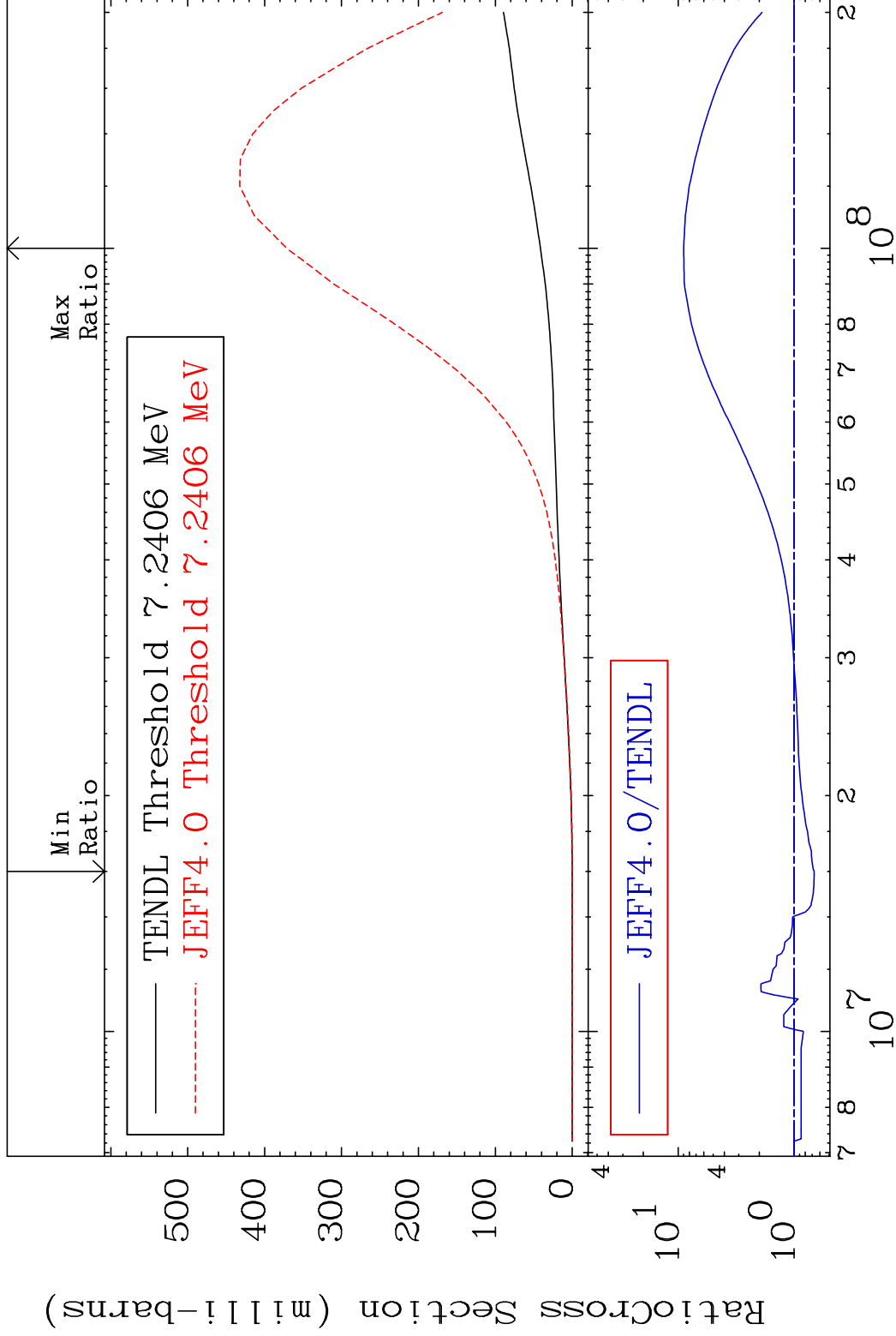
MAT 6631

Tritium Production

66-Dy-158

Cross Section

-32.76 To 796.7 %



65

Incident Energy (eV)

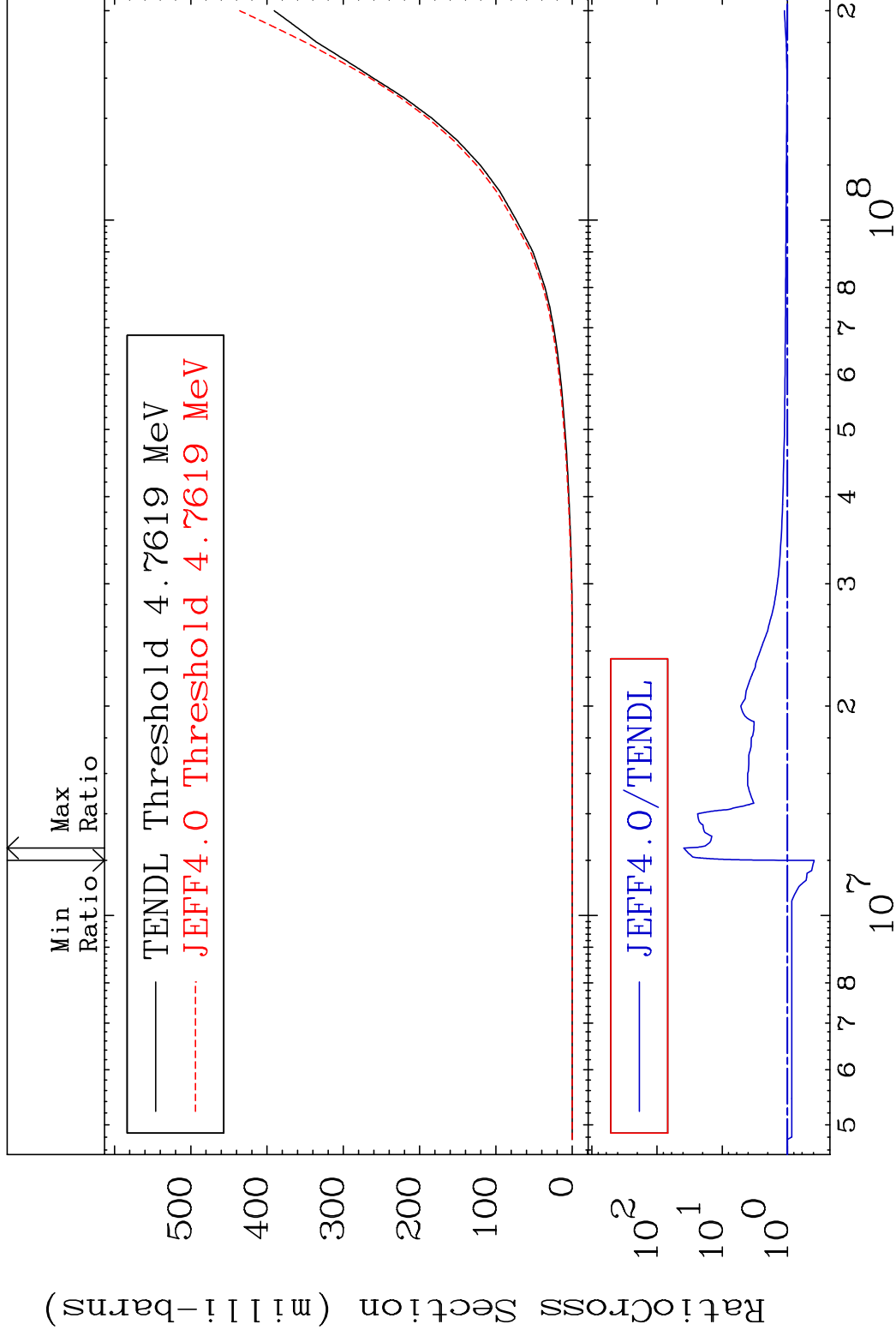
66-Dy-158

MAT 6631

He-3 Production

66-Dy-158

Cross Section -60.92 To 3807. %



66

Incident Energy (eV)

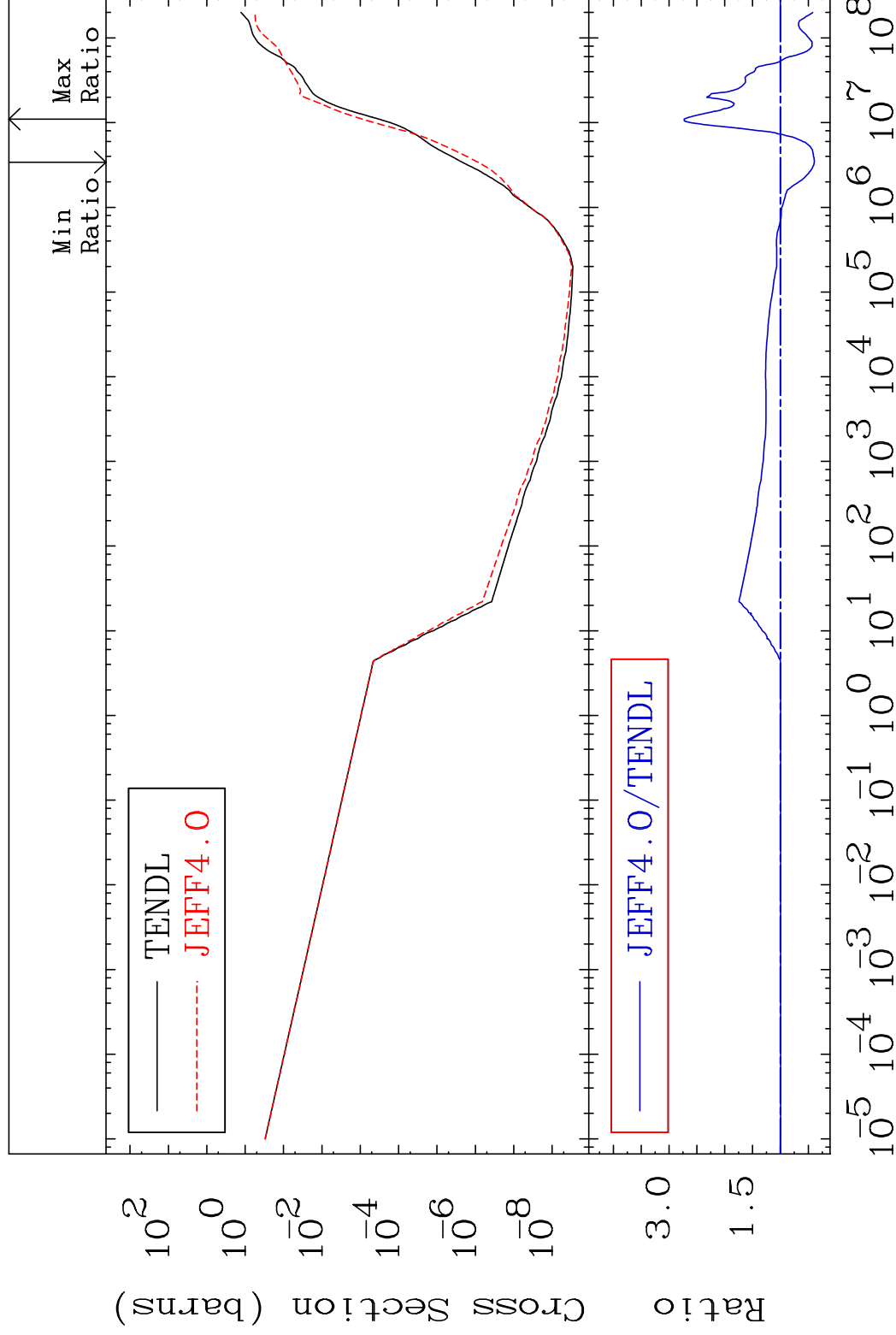
66-Dy-158

MAT 6631

He-4 Production

66-Dy-158

Cross Section -60.75 To 173.1 %

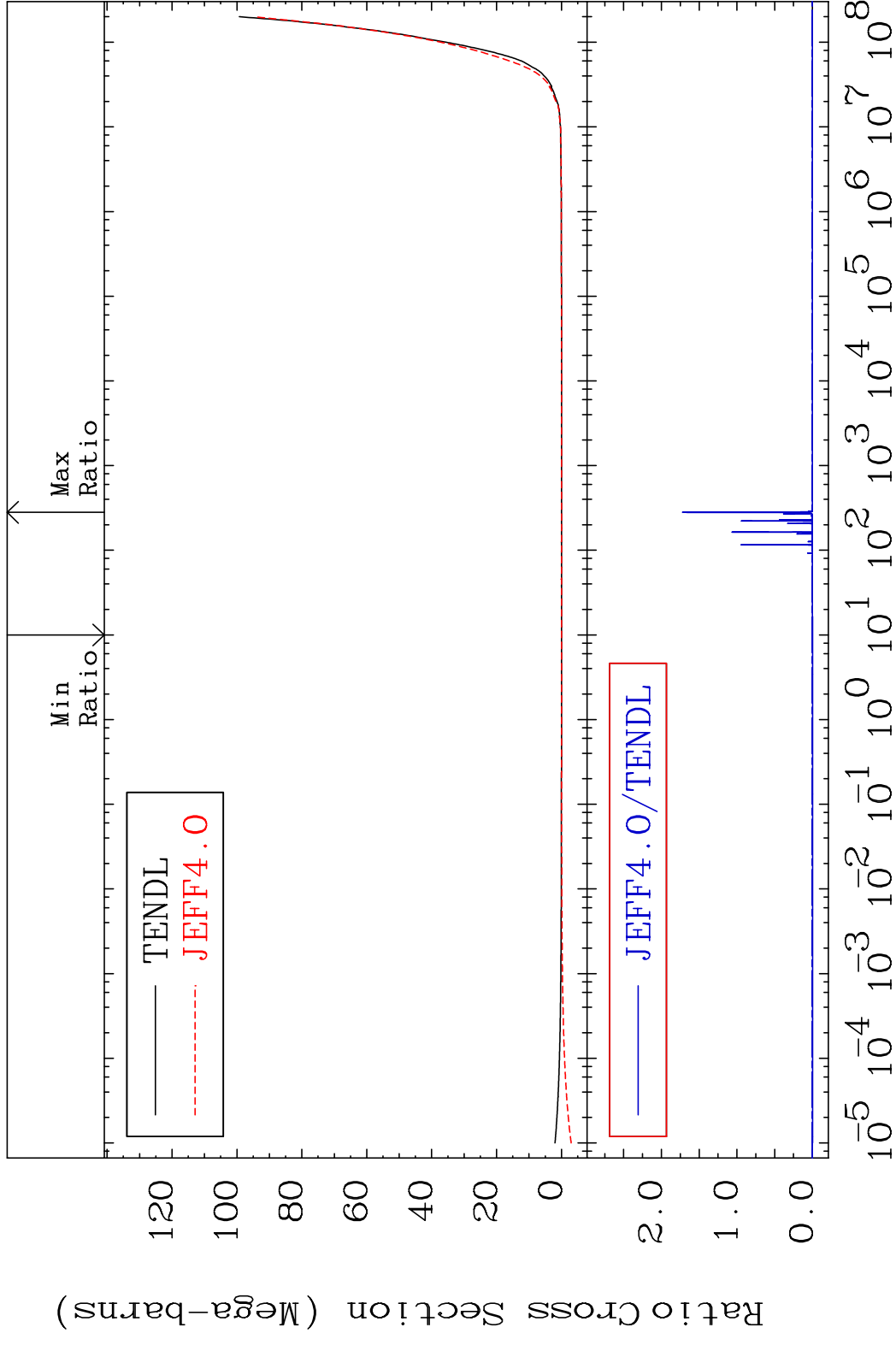


67

Incident Energy (eV)

66-Dy-158

MAT 6631 Kerma total (eV-barns) 66-Dy-158
 Cross Section -287.9 To 9999. %

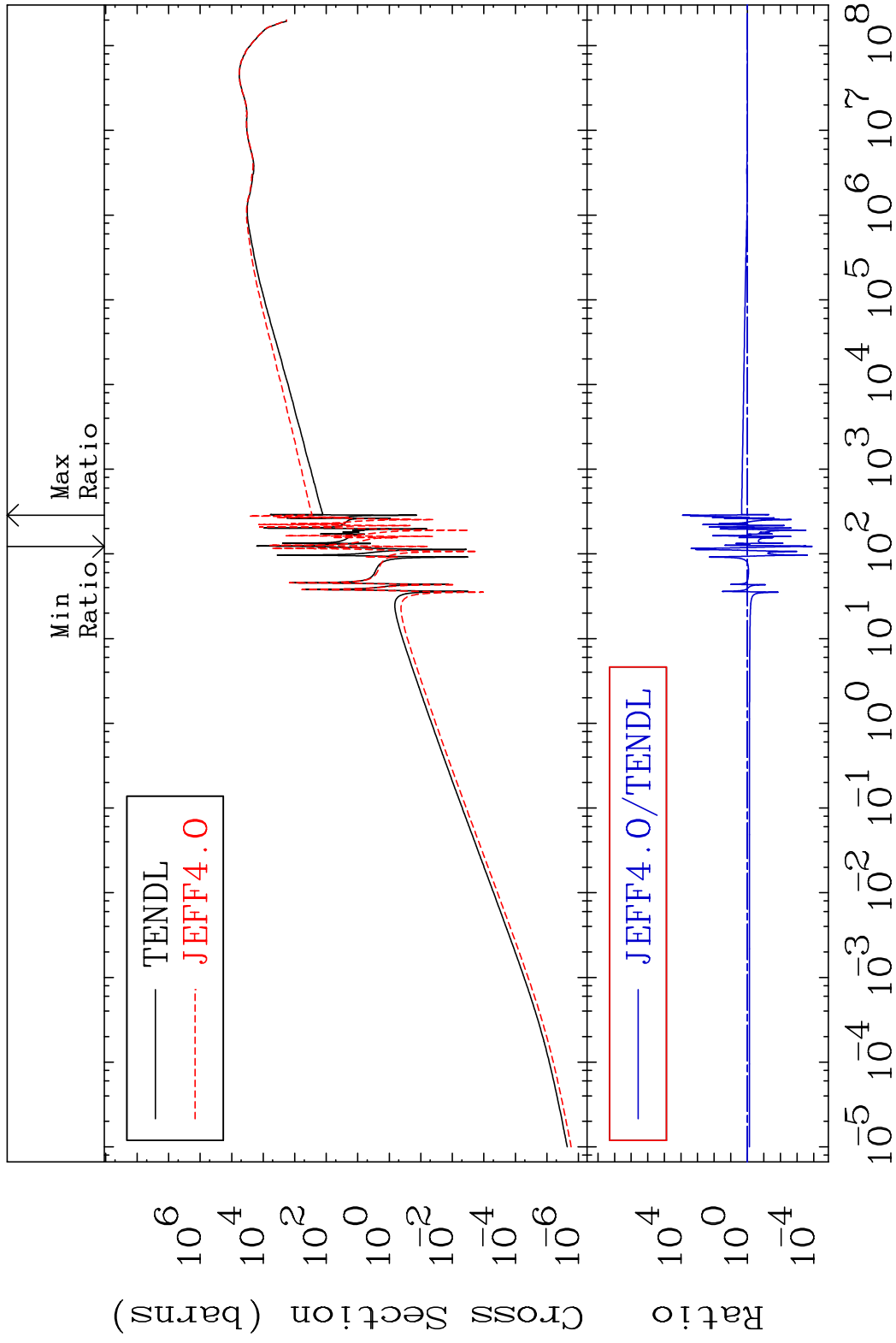


MAT 6631

Kerma elastic

66-Dy-158

Cross Section -99.99 To 9999. %

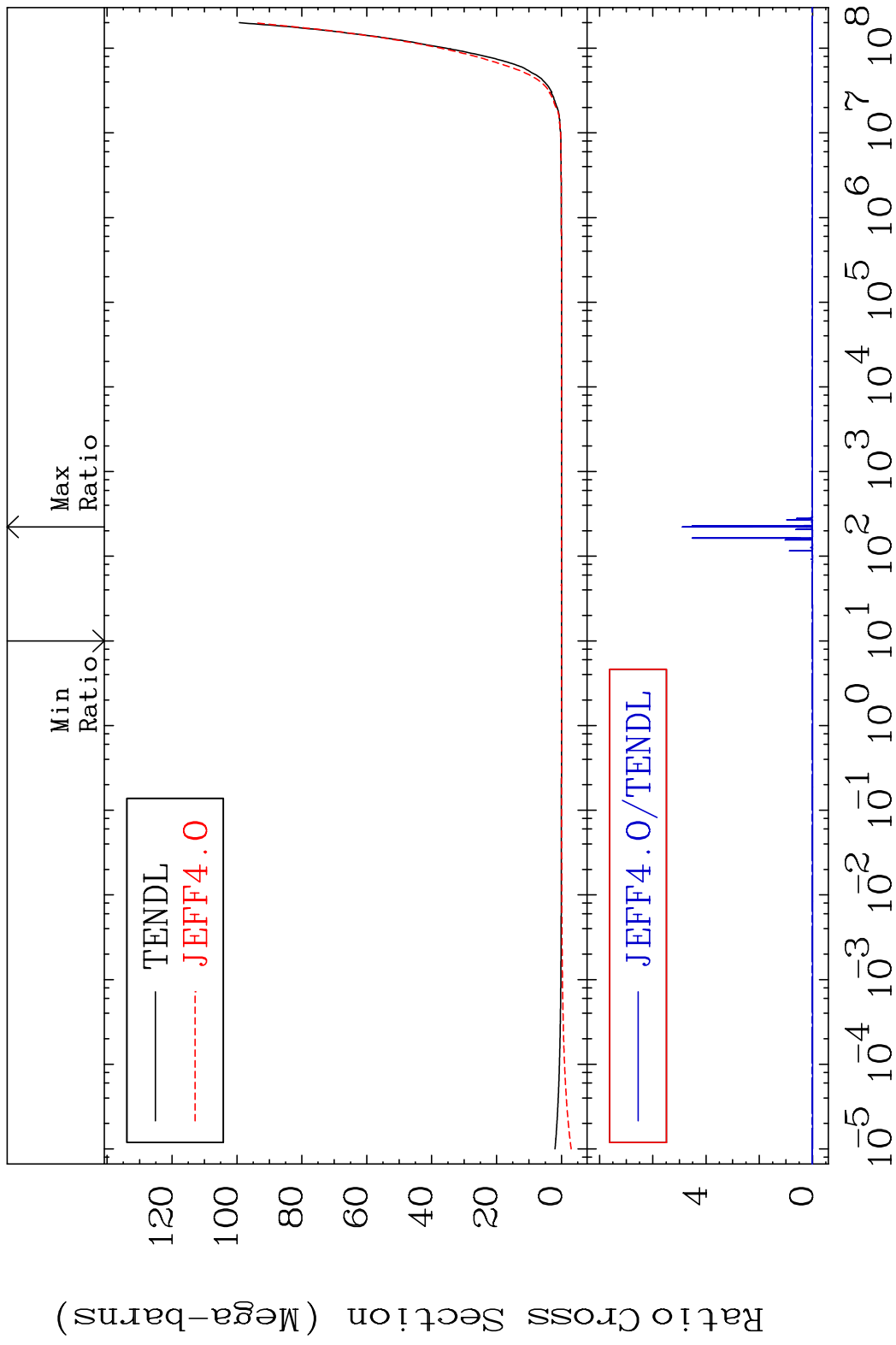


69

Incident Energy (eV)

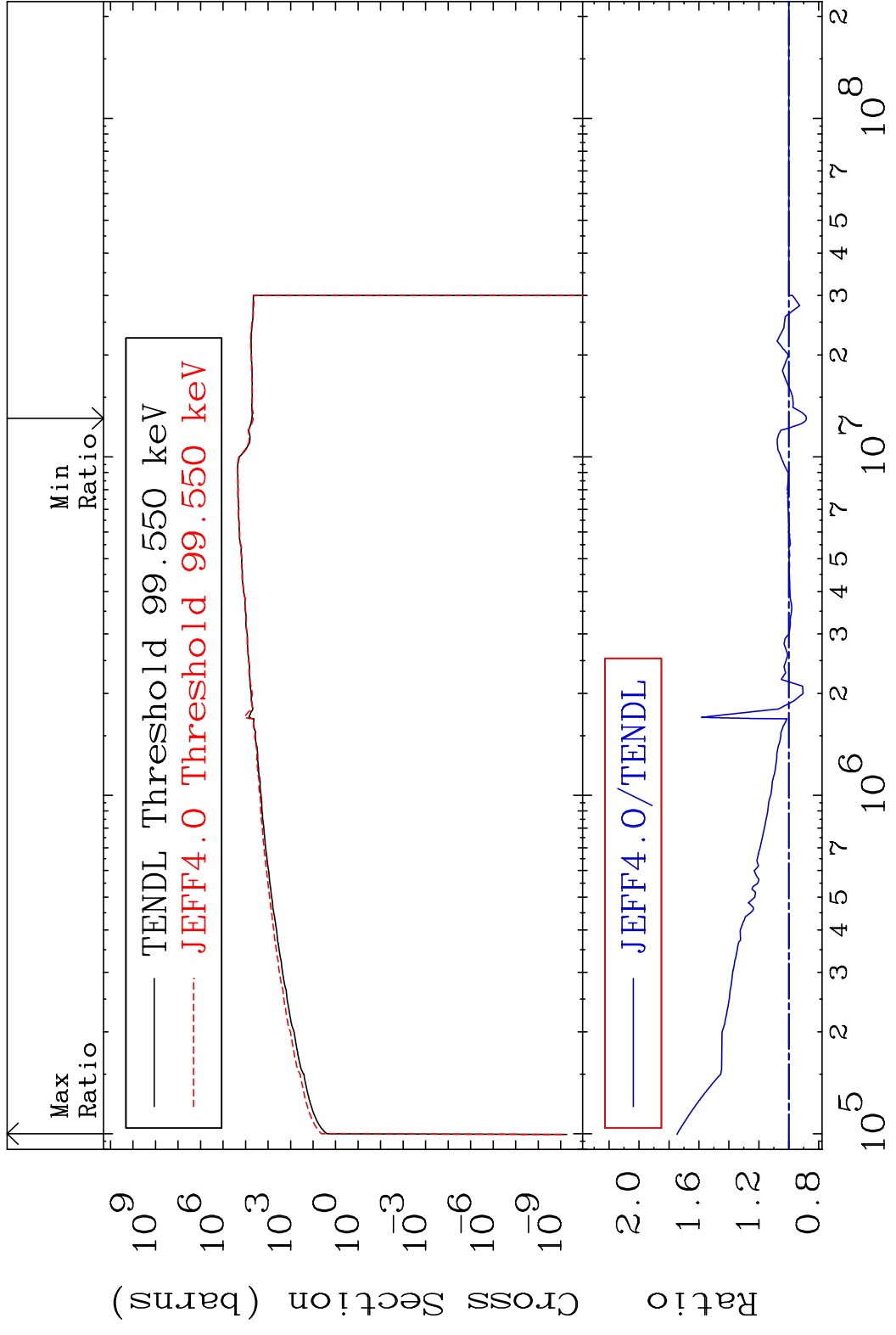
66-Dy-158

MAT 6631 Kerma non-elastic (all but mt2) 66-Dy-158
 Cross Section -289.0 To 9999. %

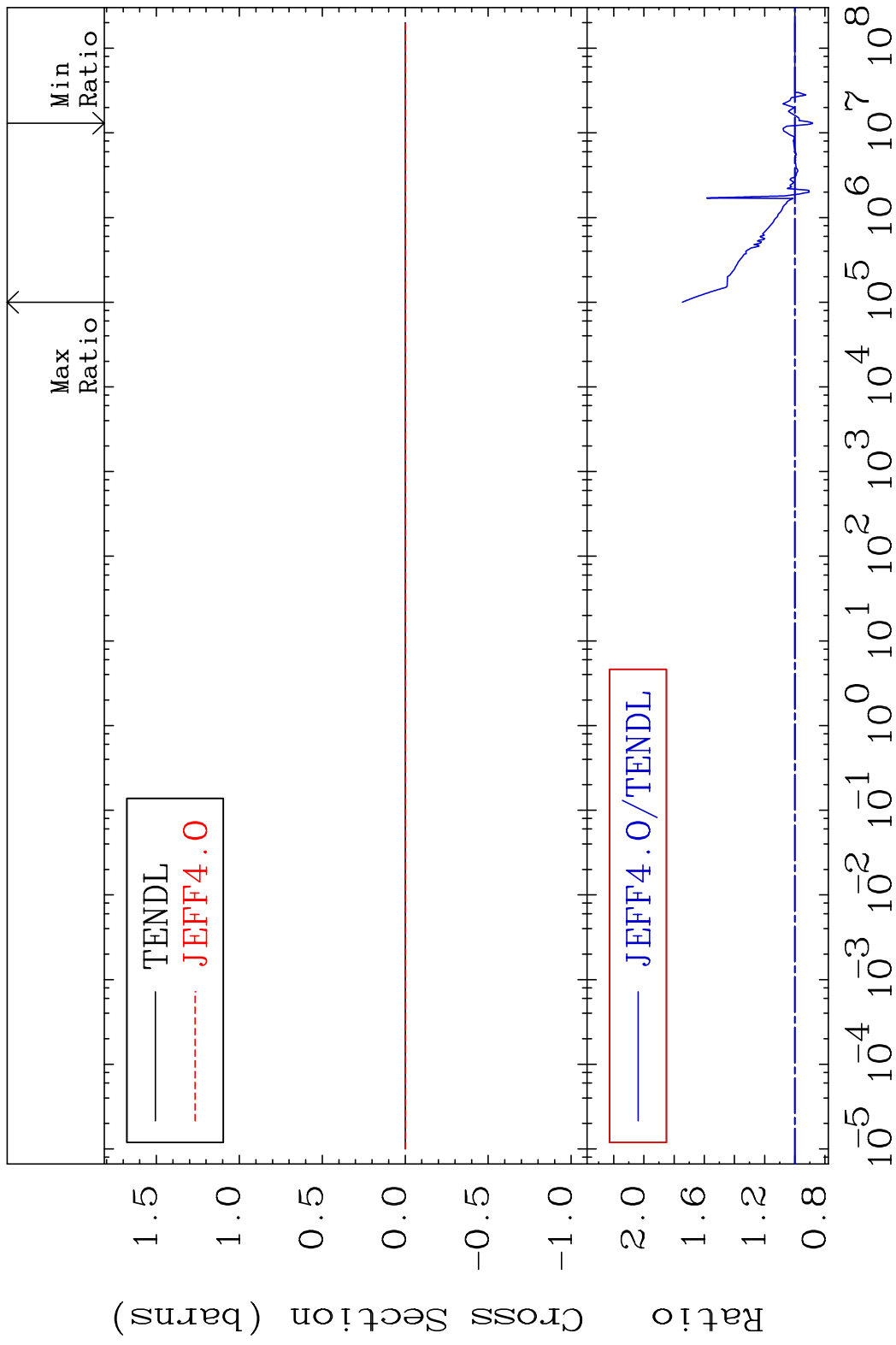


66-Dy-158

MAT 6631 Kerma inelastic (mt51-91) 66-Dy-158
 Cross Section -11.77 To 74.52 %

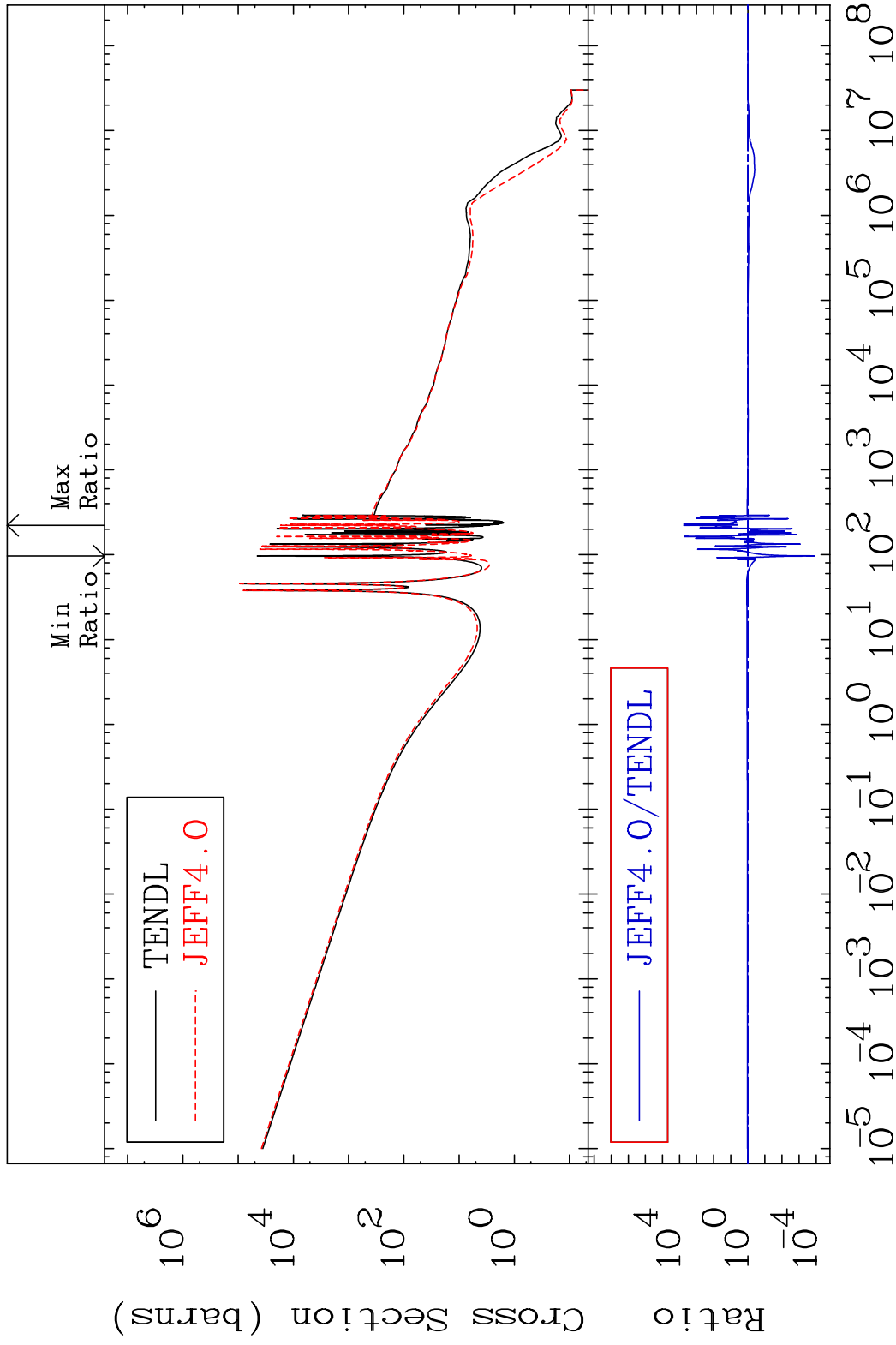


MAT 6631 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-158
 Cross Section -11.77 To 74.52 %



MAT 6631

Kerma capture (mt102) 66-Dy-158
Cross Section -99.99 To 9999. %



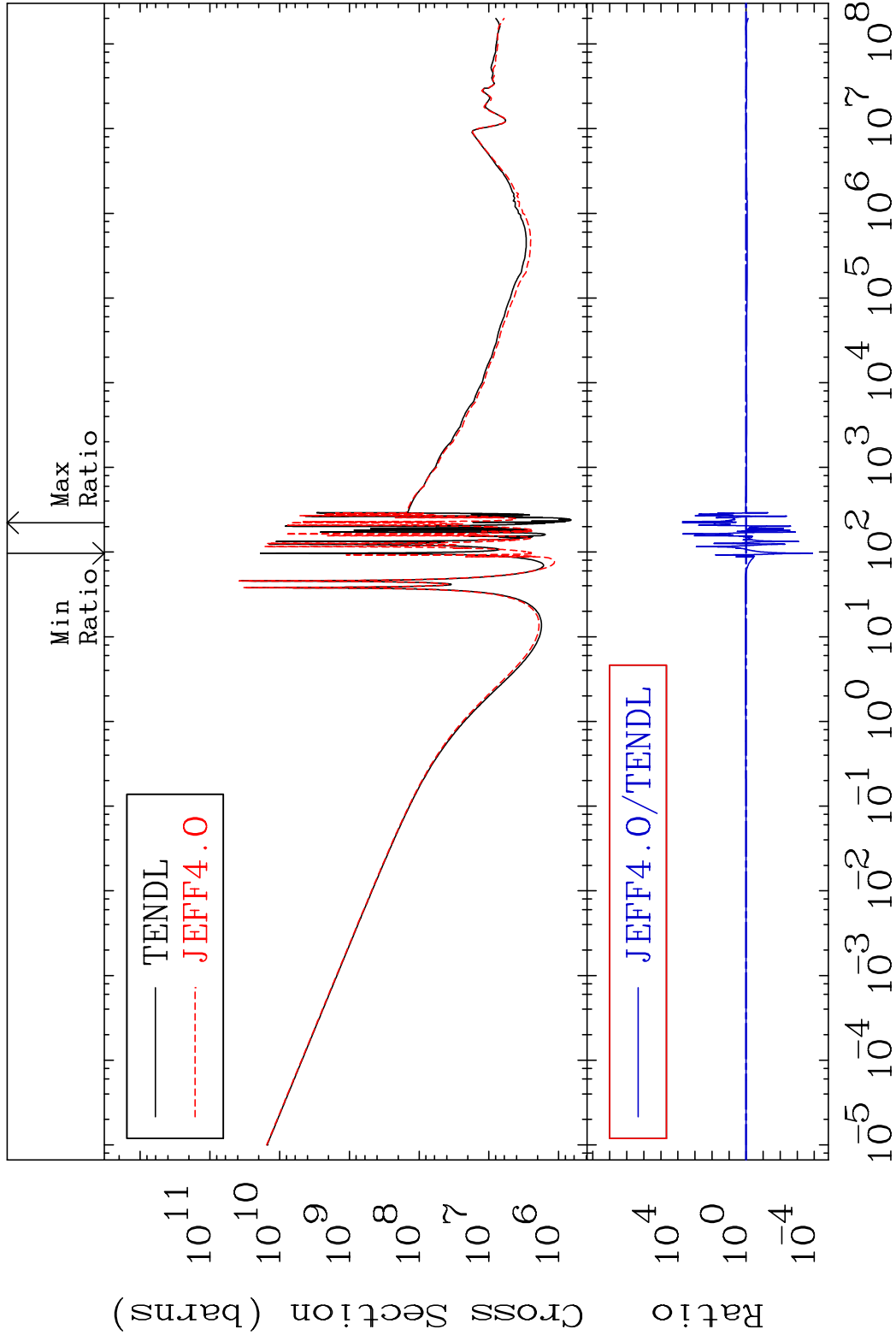
73

Incident Energy (eV)

66-Dy-158

MAT 6631

Total photon (eV-barns) 66-Dy-158
Cross Section -99.99 To 9999. %

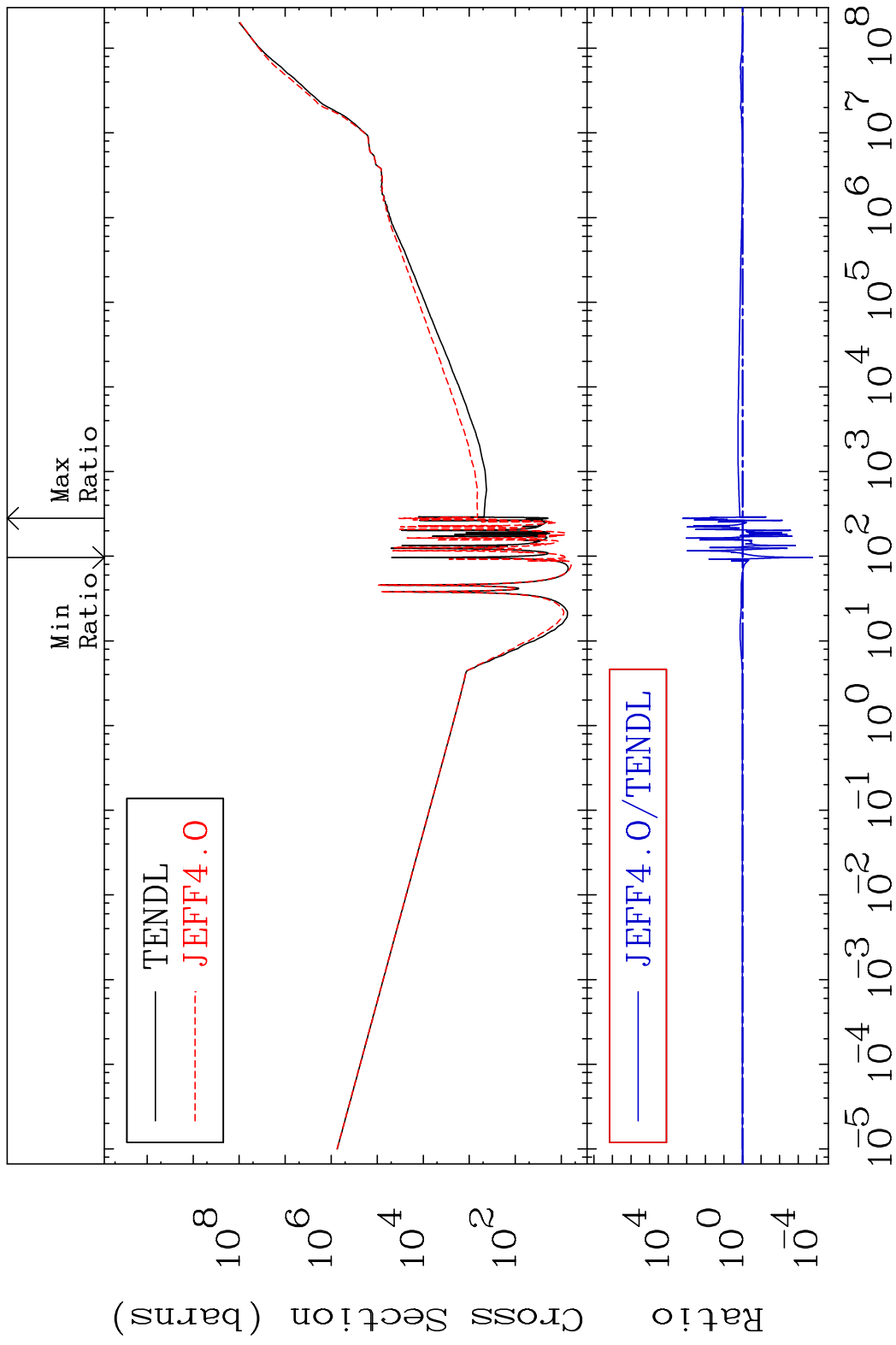


74

Incident Energy (eV)

66-Dy-158

MAT 6631 Total kinematic kerma (high limit) 66-Dy-158
 Cross Section -99.98 To 9999. %

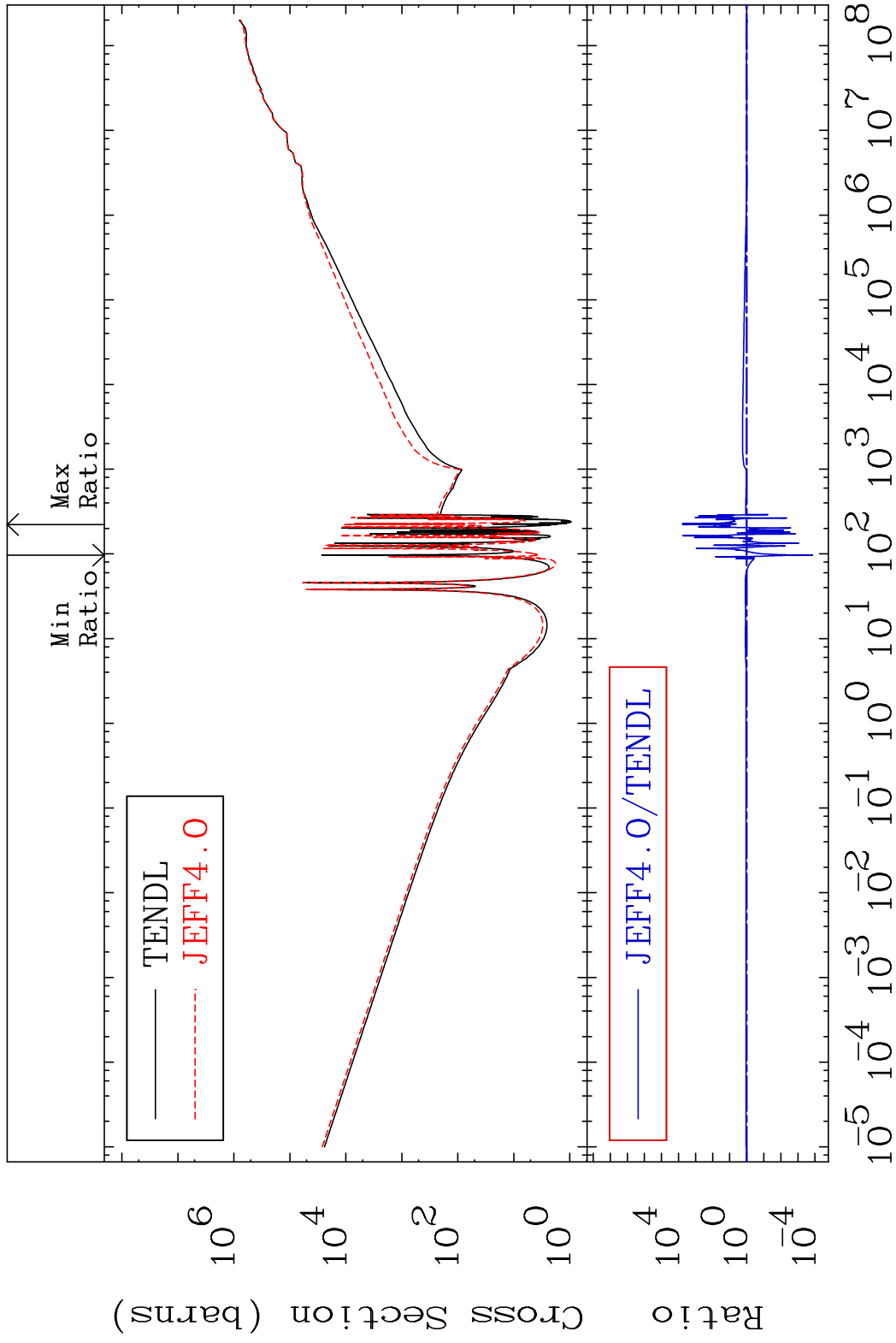


MAT 6631

Dpa total (eV-barns)

66-Dy-158

Cross Section -99.99 To 9999. %



76

Incident Energy (eV)

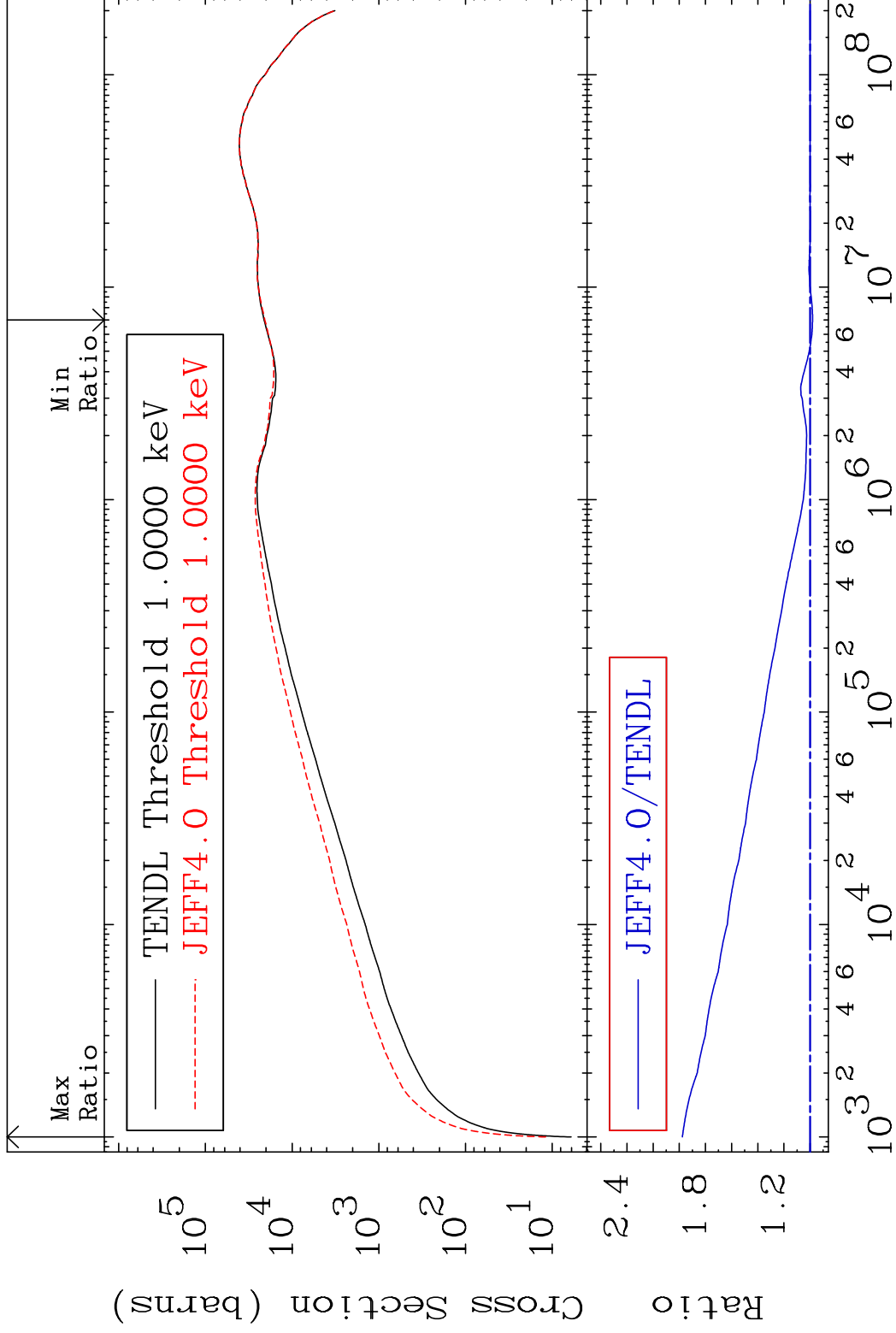
66-Dy-158

MAT 6631

Dpa elastic (mt2)

66-Dy-158

Cross Section -1.865 To 97.65 %

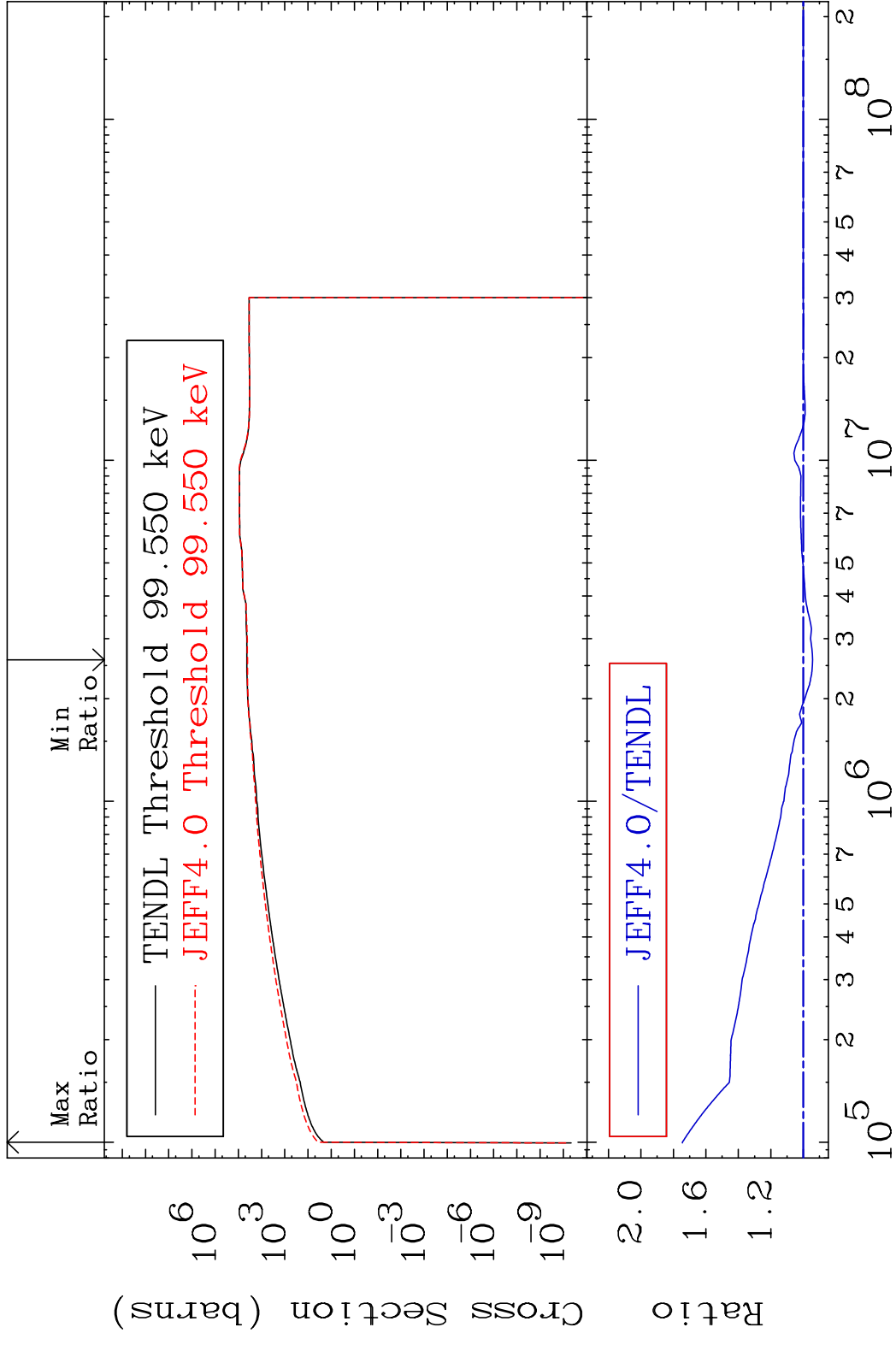


77

Incident Energy (eV)

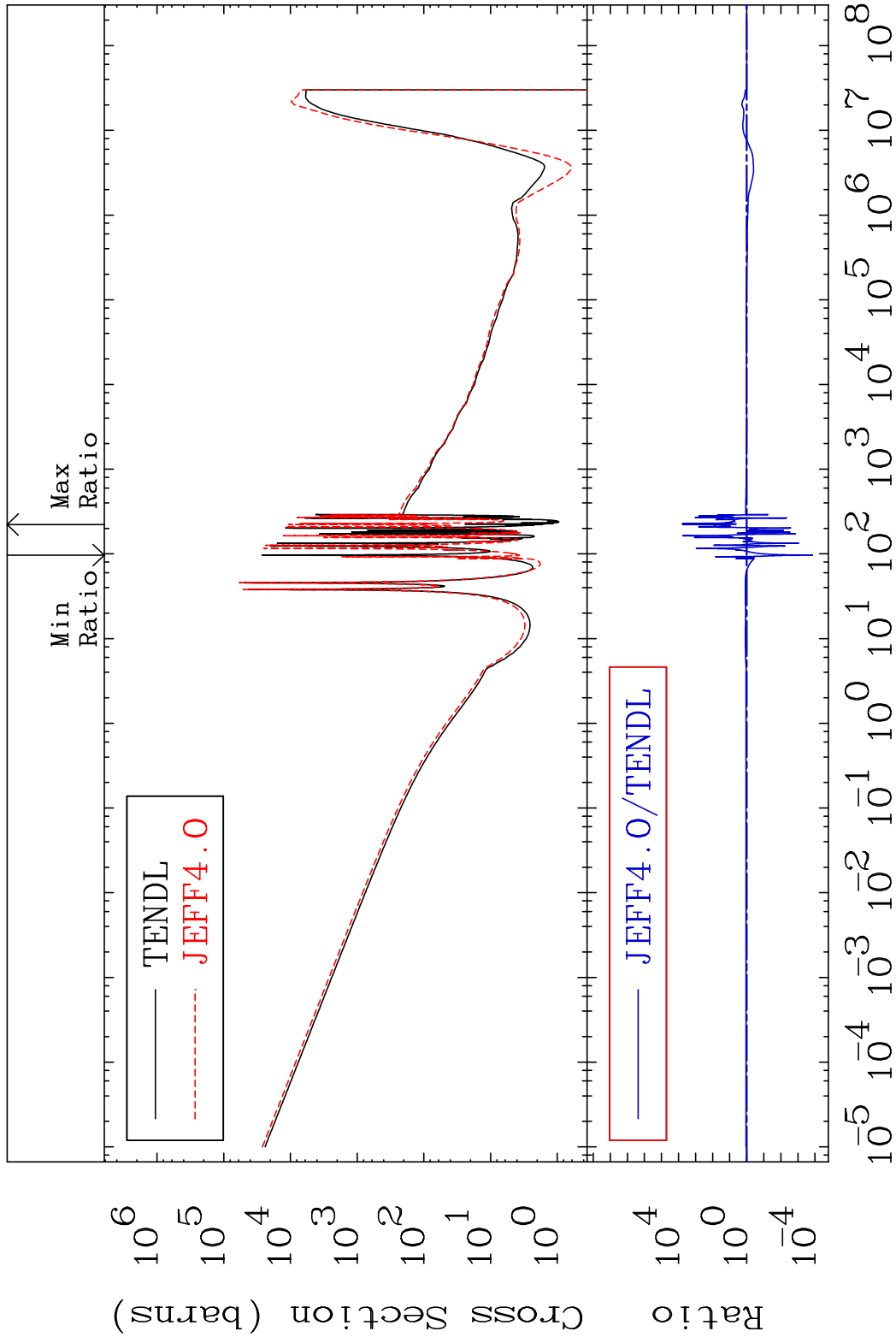
66-Dy-158

MAT 6631 Dpa inelastic (mt51-91) 66-Dy-158
 Cross Section -5.711 To 74.49 %

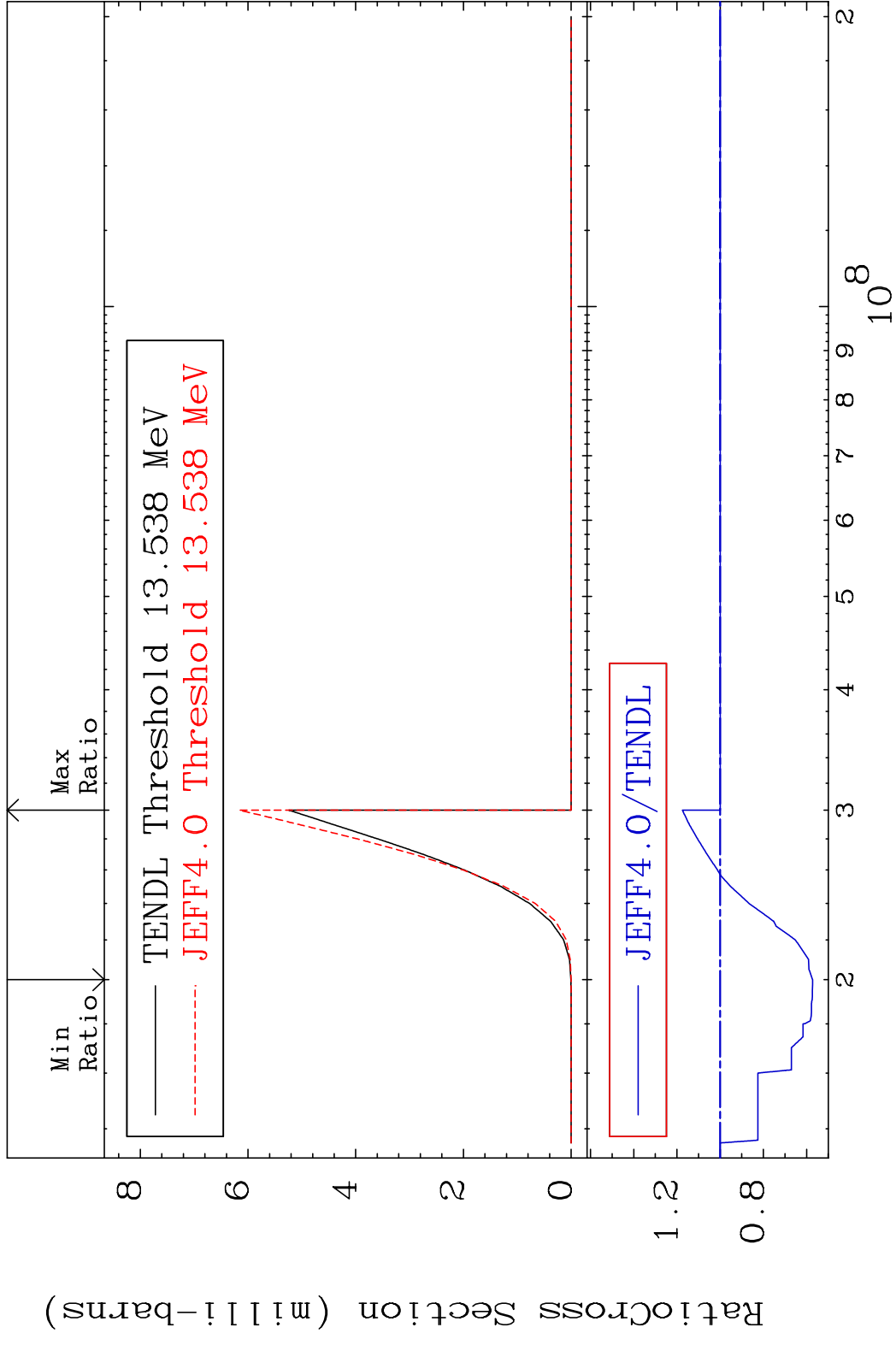


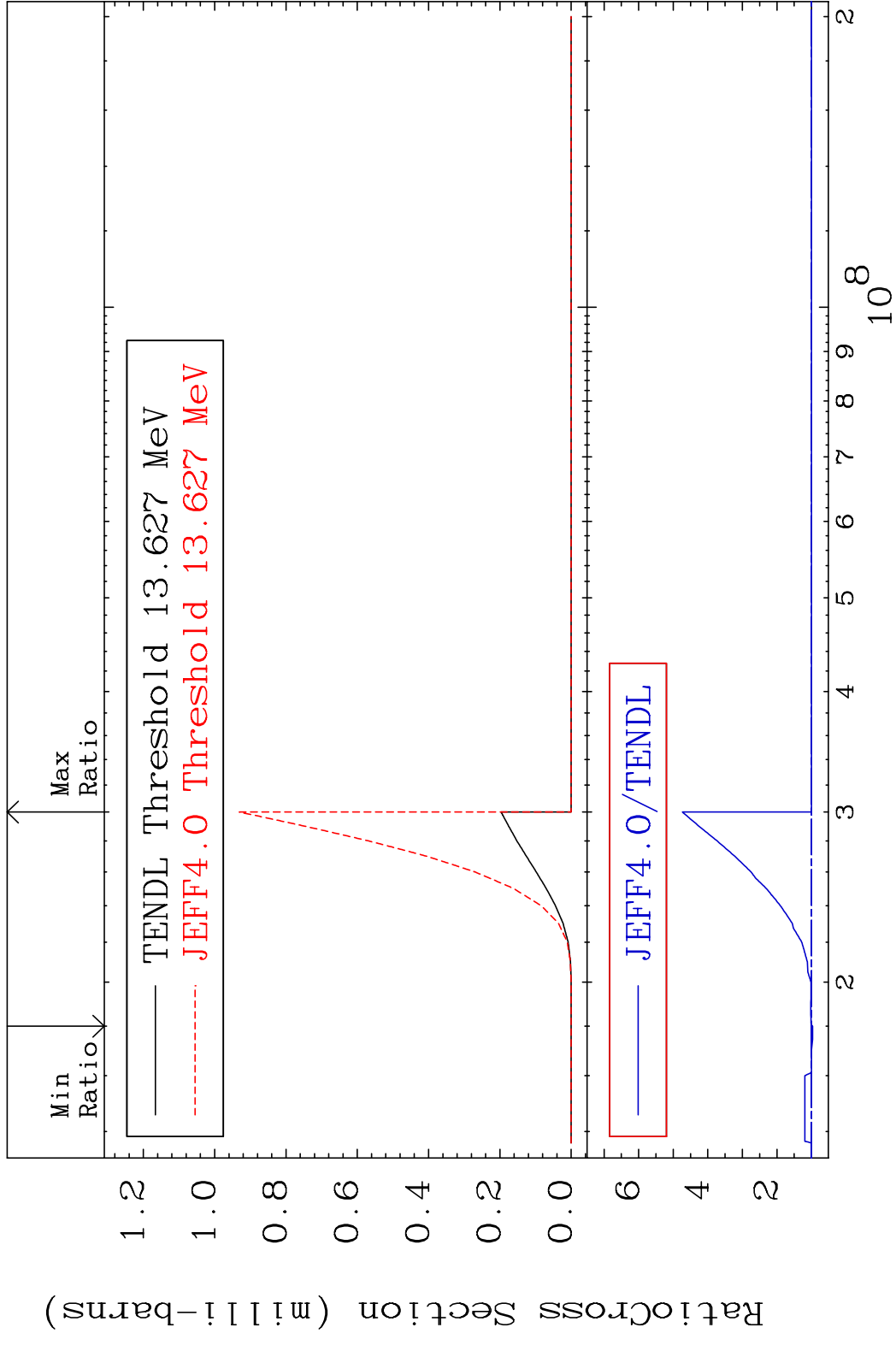
78 Incident Energy (eV) 66-Dy-158

MAT 6631 Dpa disappearance (mt102 -120) 66-Dy-158
 Cross Section -99.99 To 9999. %

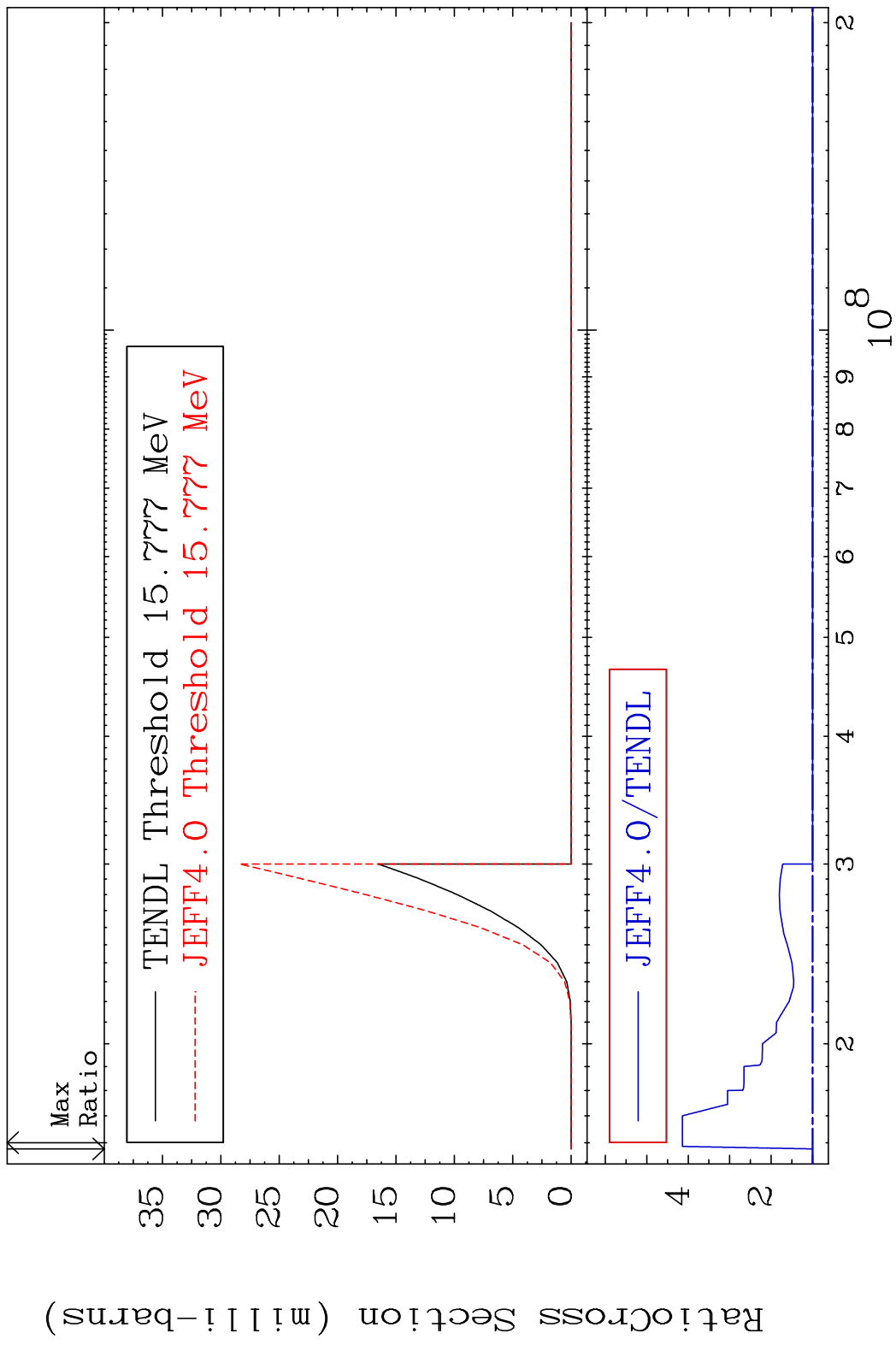


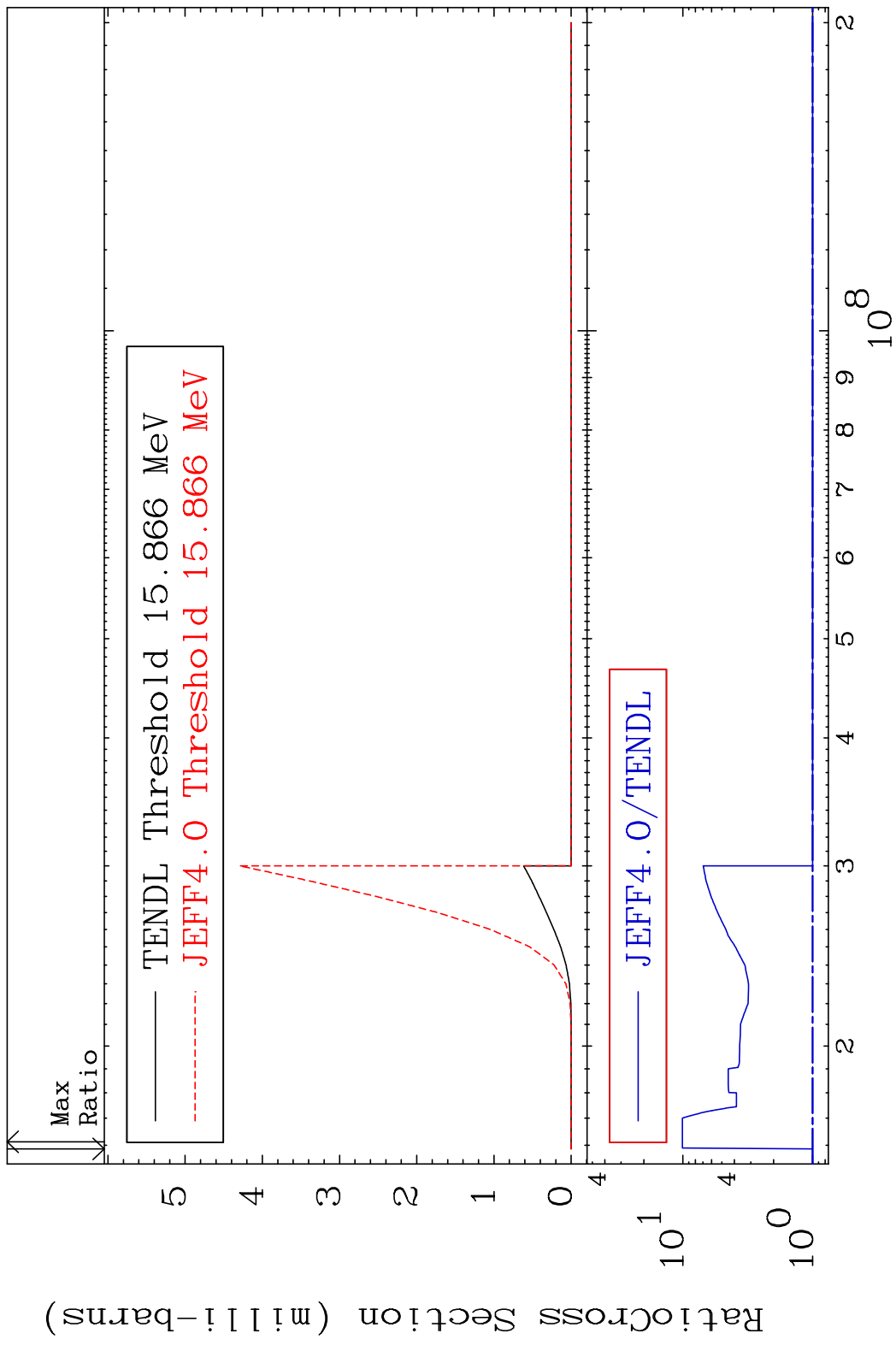
MAT 6631 (n, n') d:65-Tb-156g 66-Dy-158
 Radionuclide Production Cross Section 17.49 %

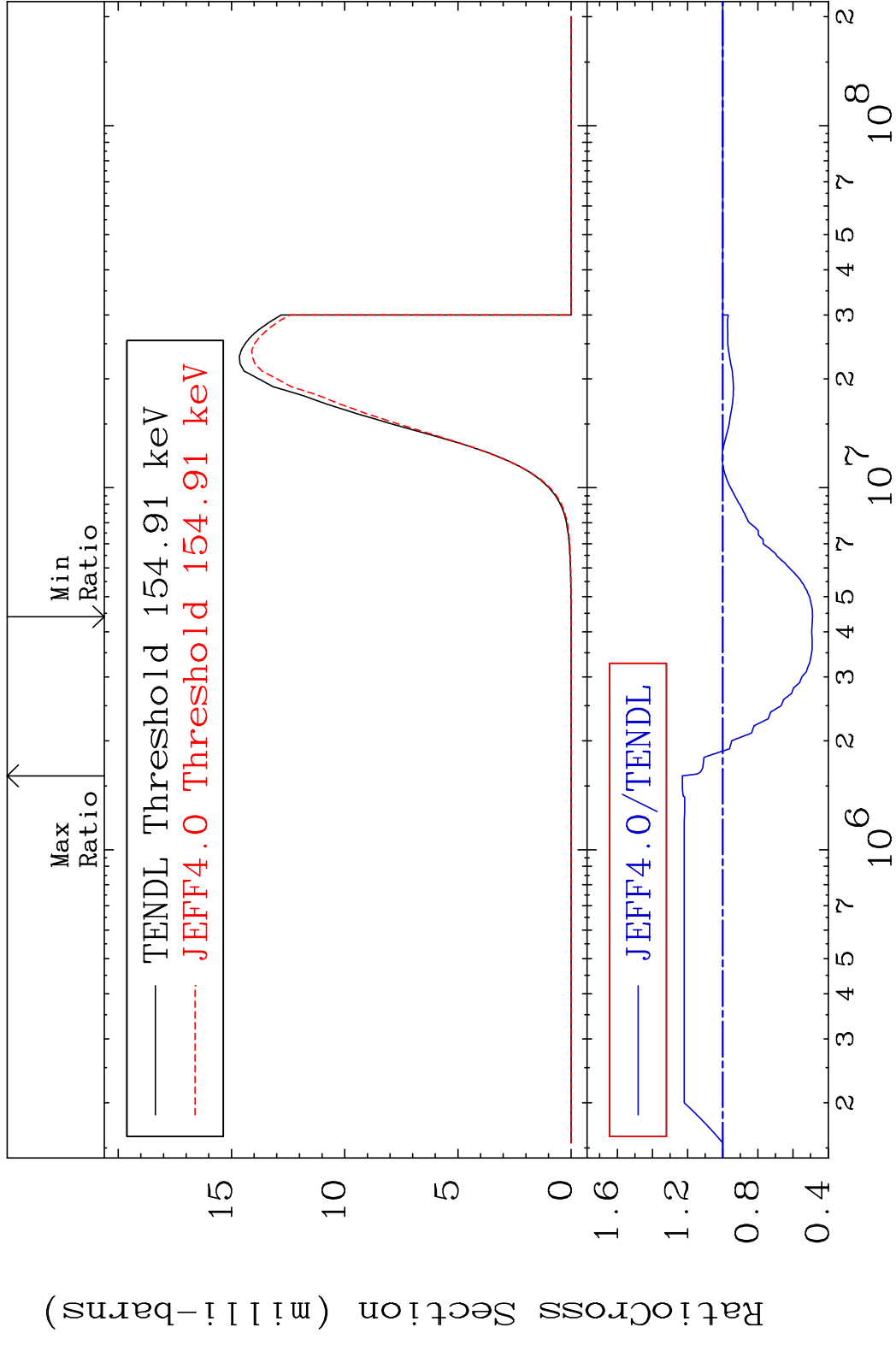


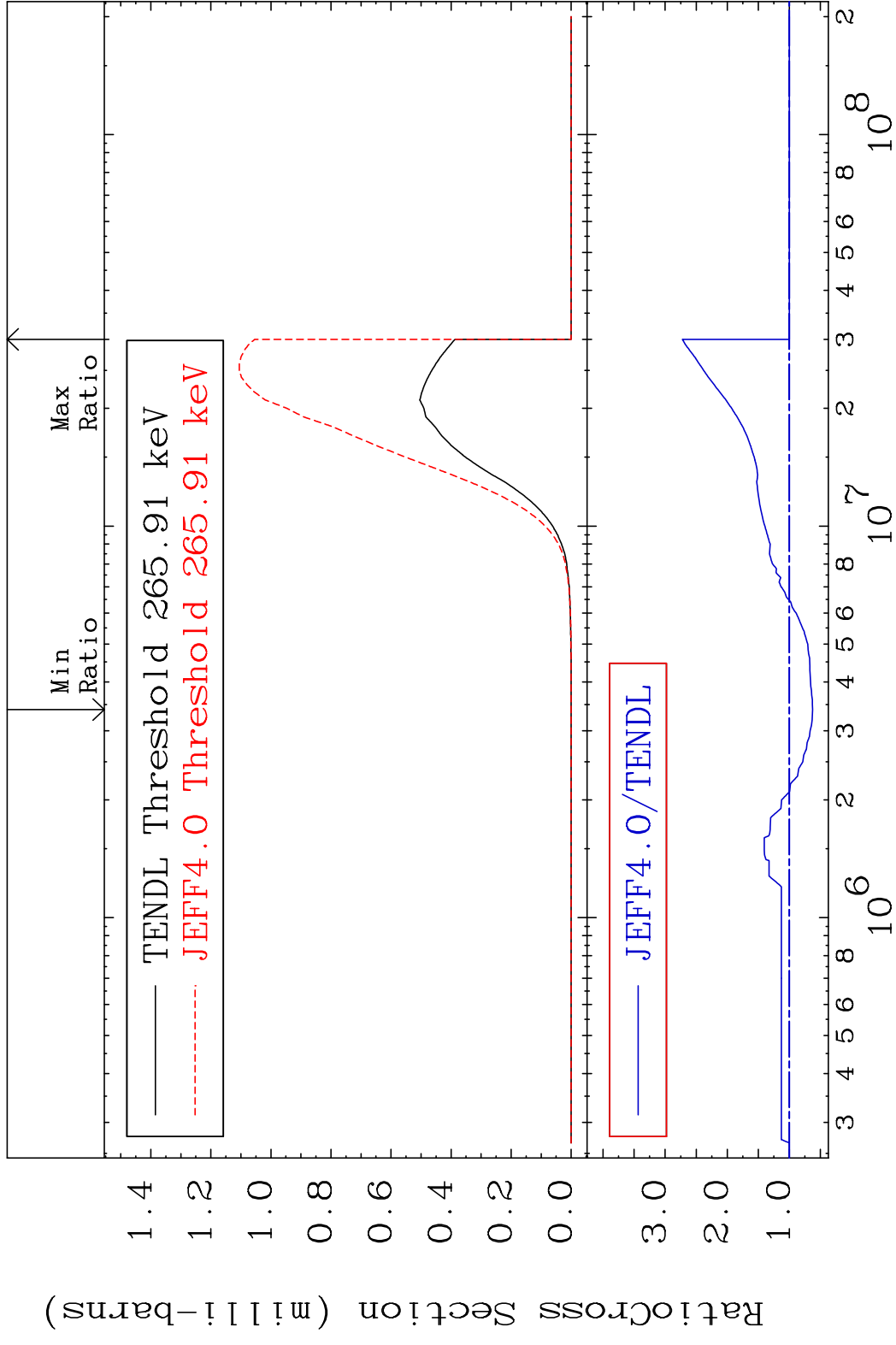


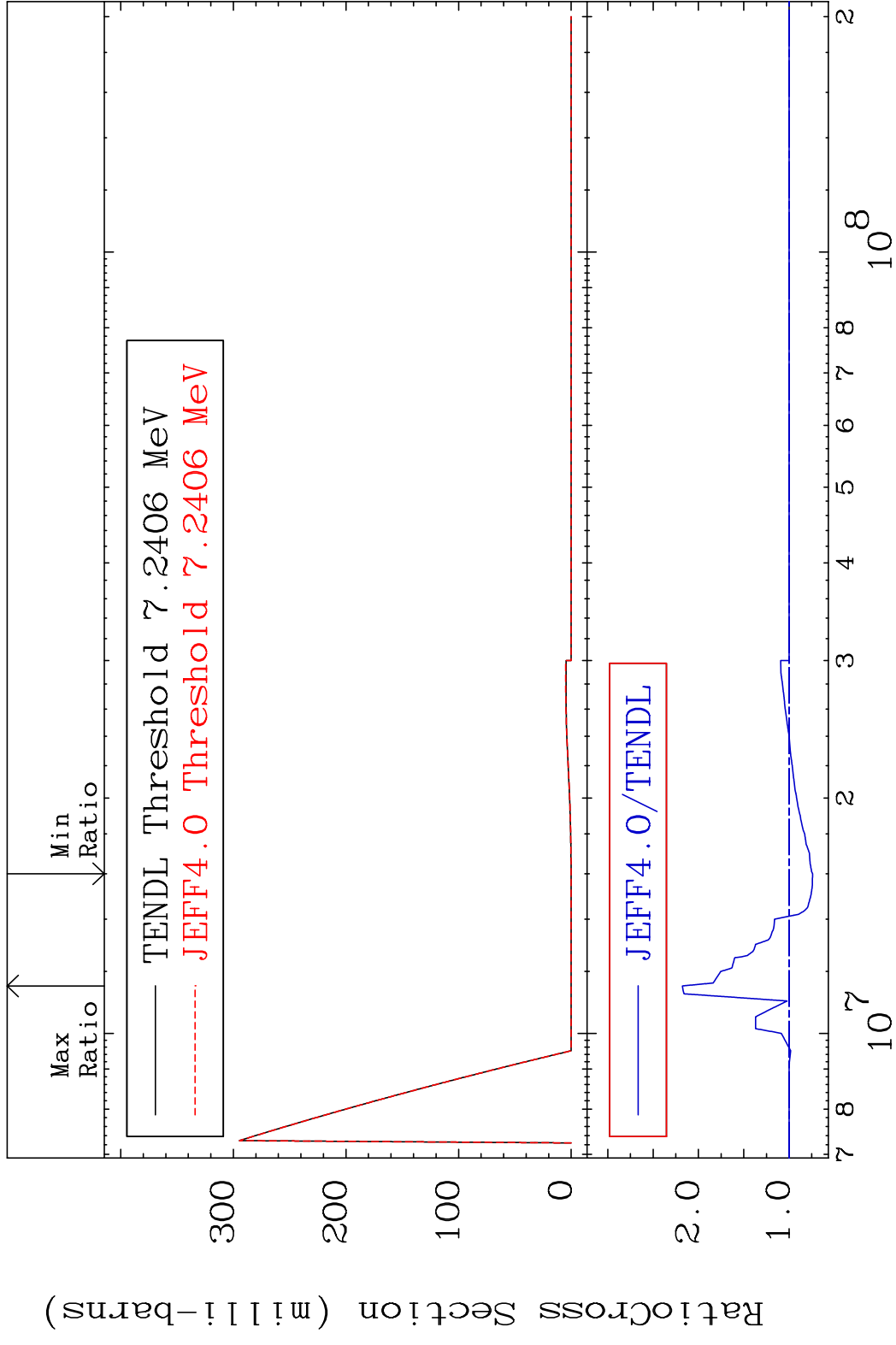
MAT 6631 (n,2n) p:65-Tb-156g 66-Dy-158
 Radionuclide Production Cross Section 314.1 %











MAT 6631 (n, t): 65-Tb-156m3 66-Dy-158
 Radionuclide Production Cross Section to 253.3 %

