

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

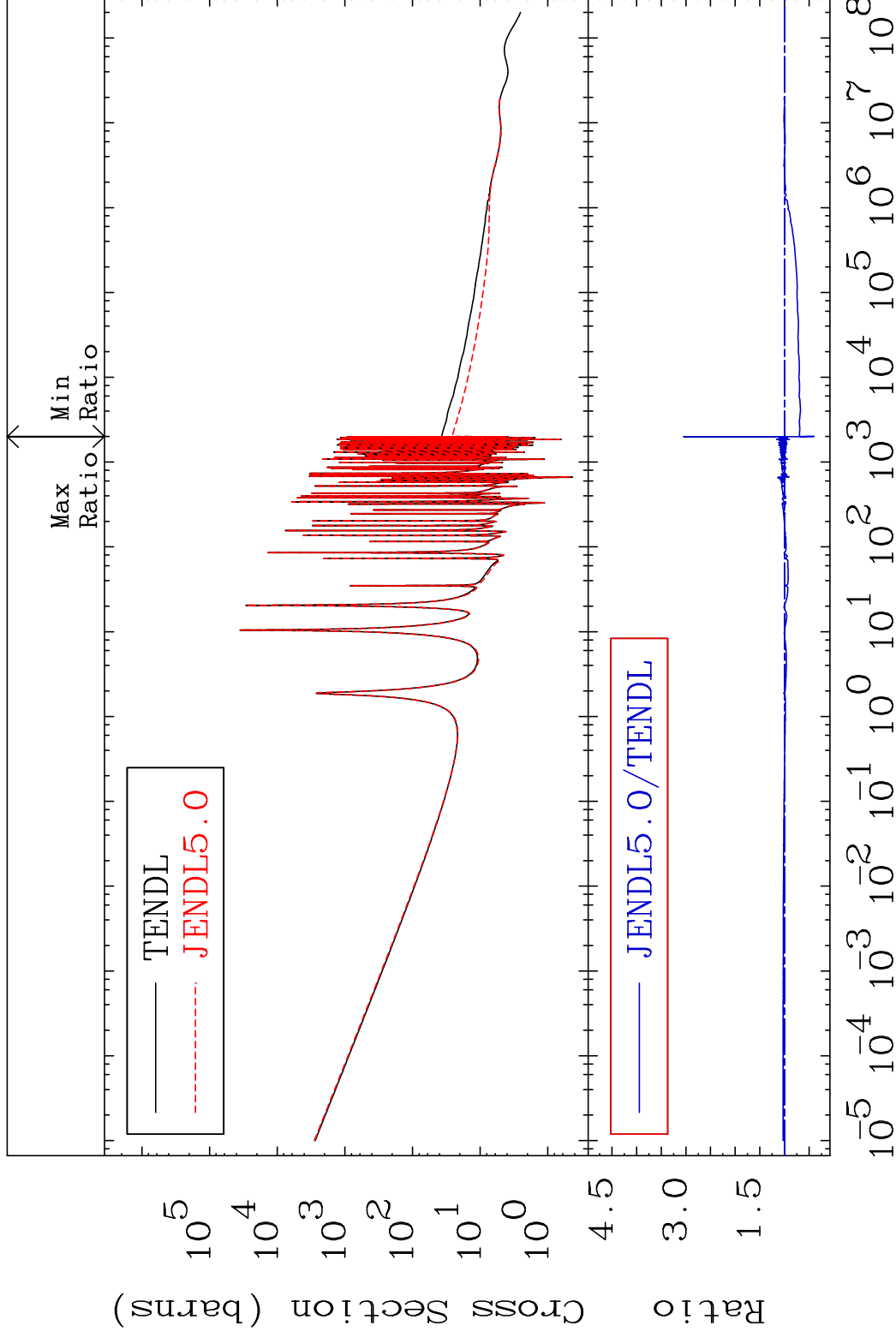
MAT 6637

Total

66-Dy-160

Cross Section

-59.99 To 204.5 %



1

Incident Energy (eV)

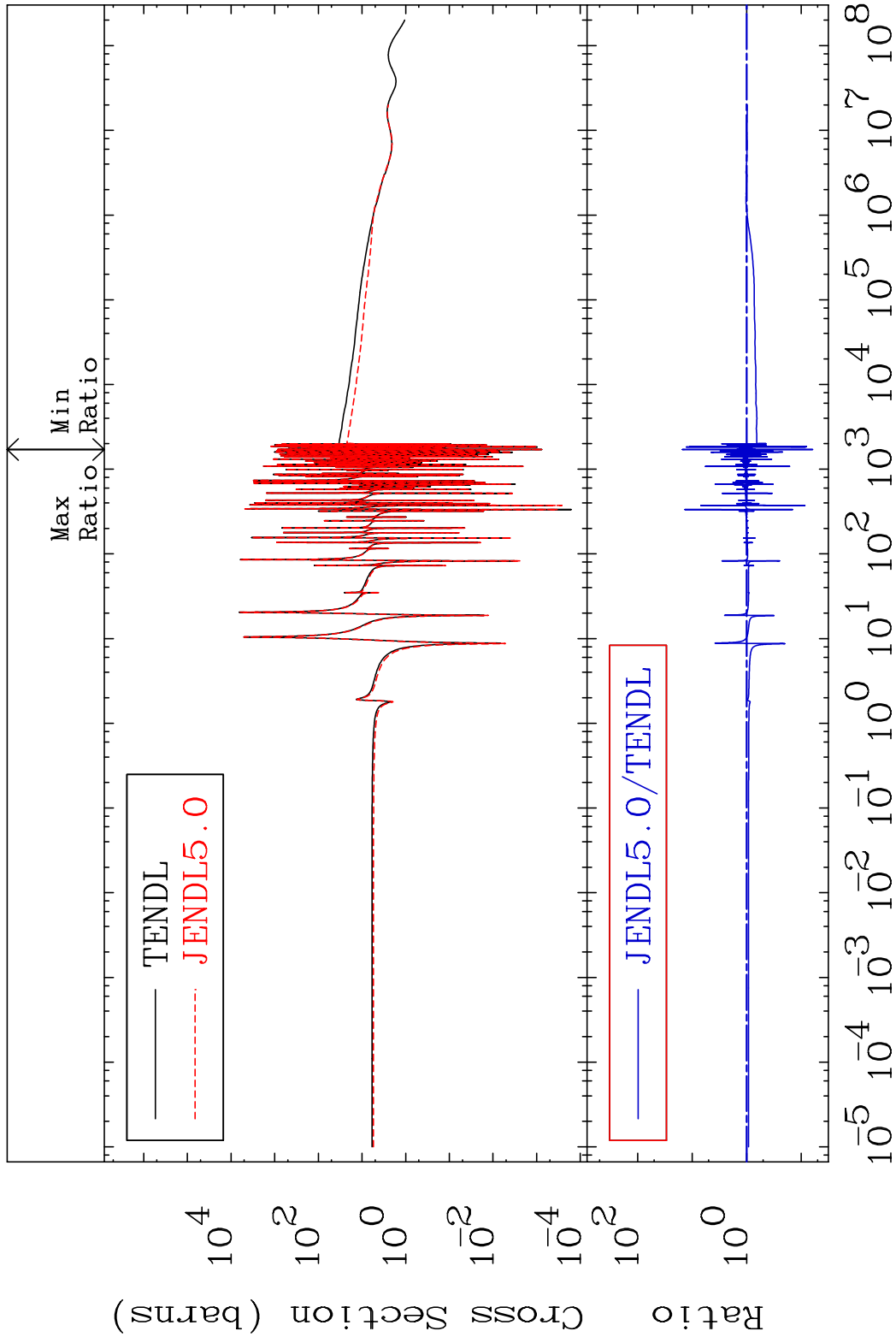
66-Dy-160

MAT 6637

Elastic

66-Dy-160

Cross Section -93.78 To 1421. %



2

Incident Energy (eV)

66-Dy-160

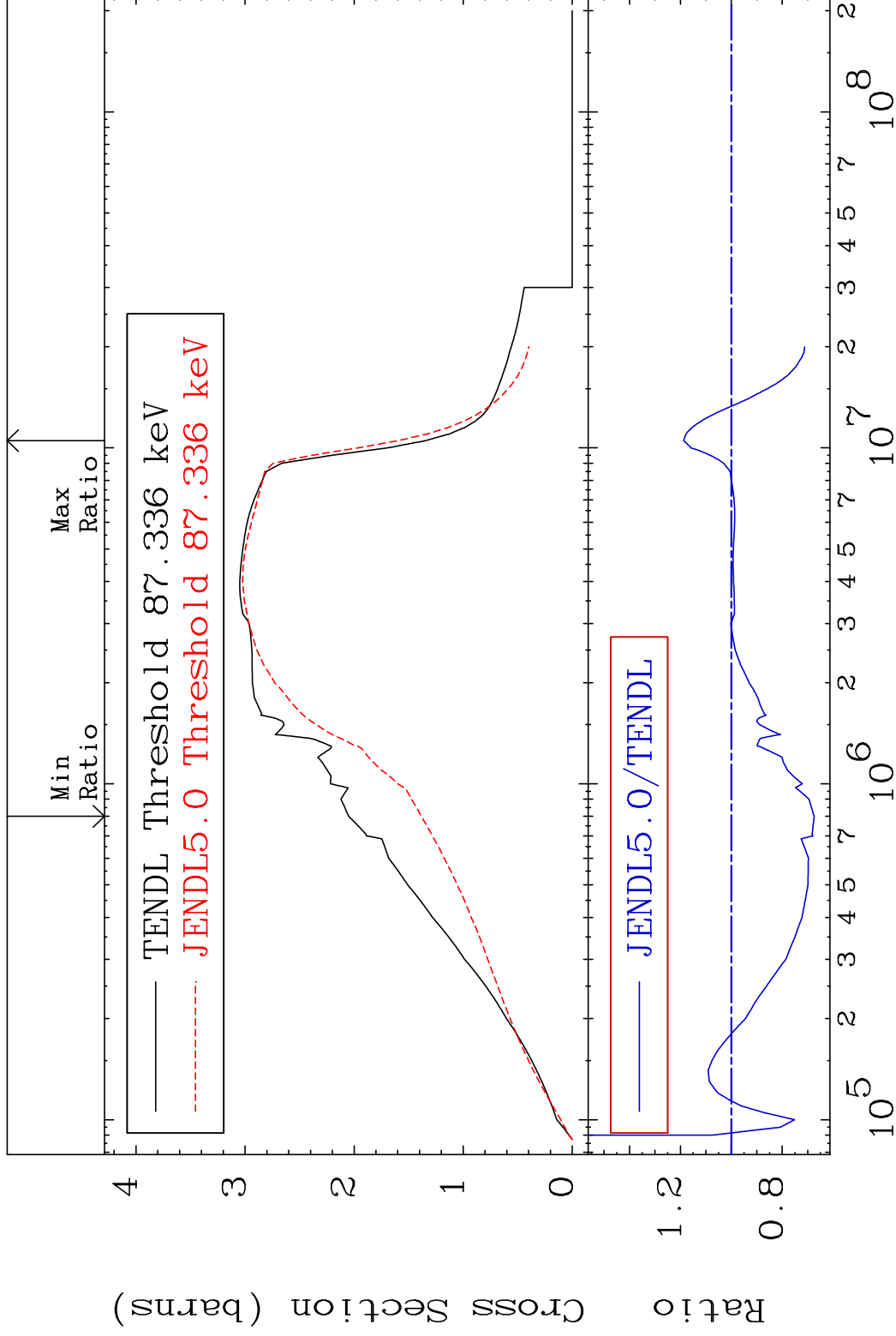
MAT 6637

Inelastic

66-Dy-160

Cross Section

-32.52 To 18.72 %



3

Incident Energy (eV)

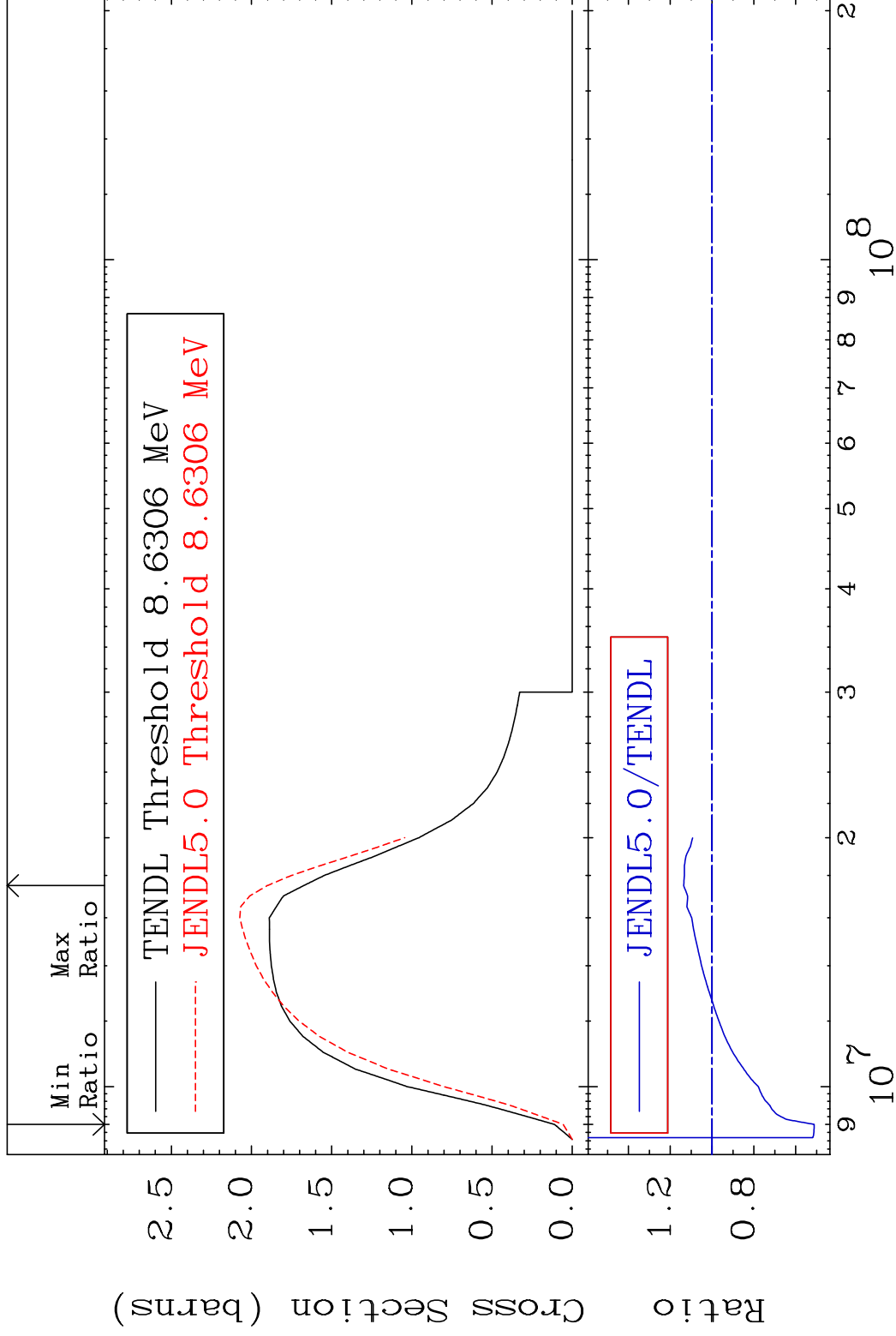
66-Dy-160

MAT 6637

(n,2n)

66-Dy-160

Cross Section -48.81 To 13.59 %



4

Incident Energy (eV)

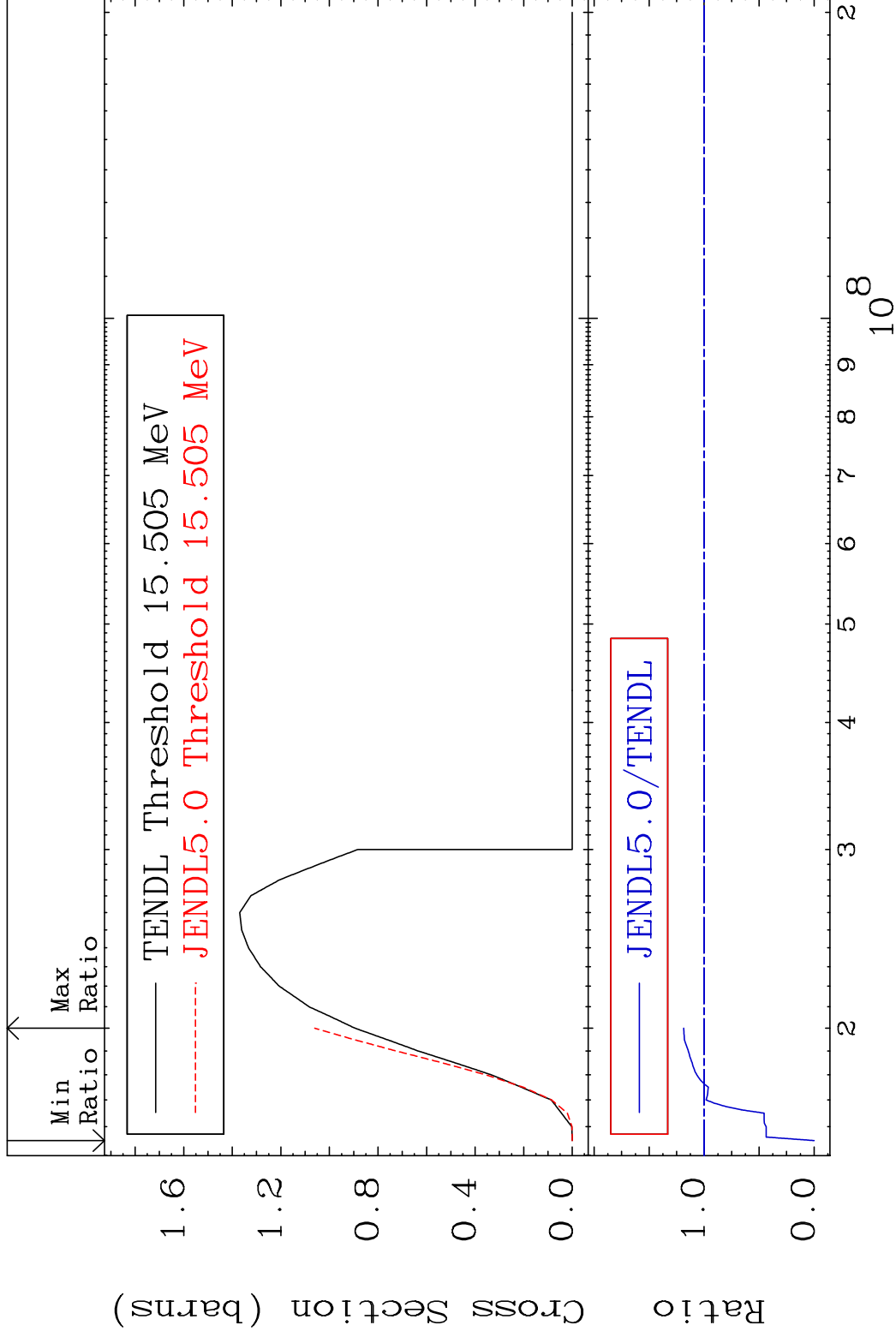
66-Dy-160

MAT 6637

(n,3n)

66-Dy-160

Cross Section -100.0 To 18.61 %



5

Incident Energy (eV)

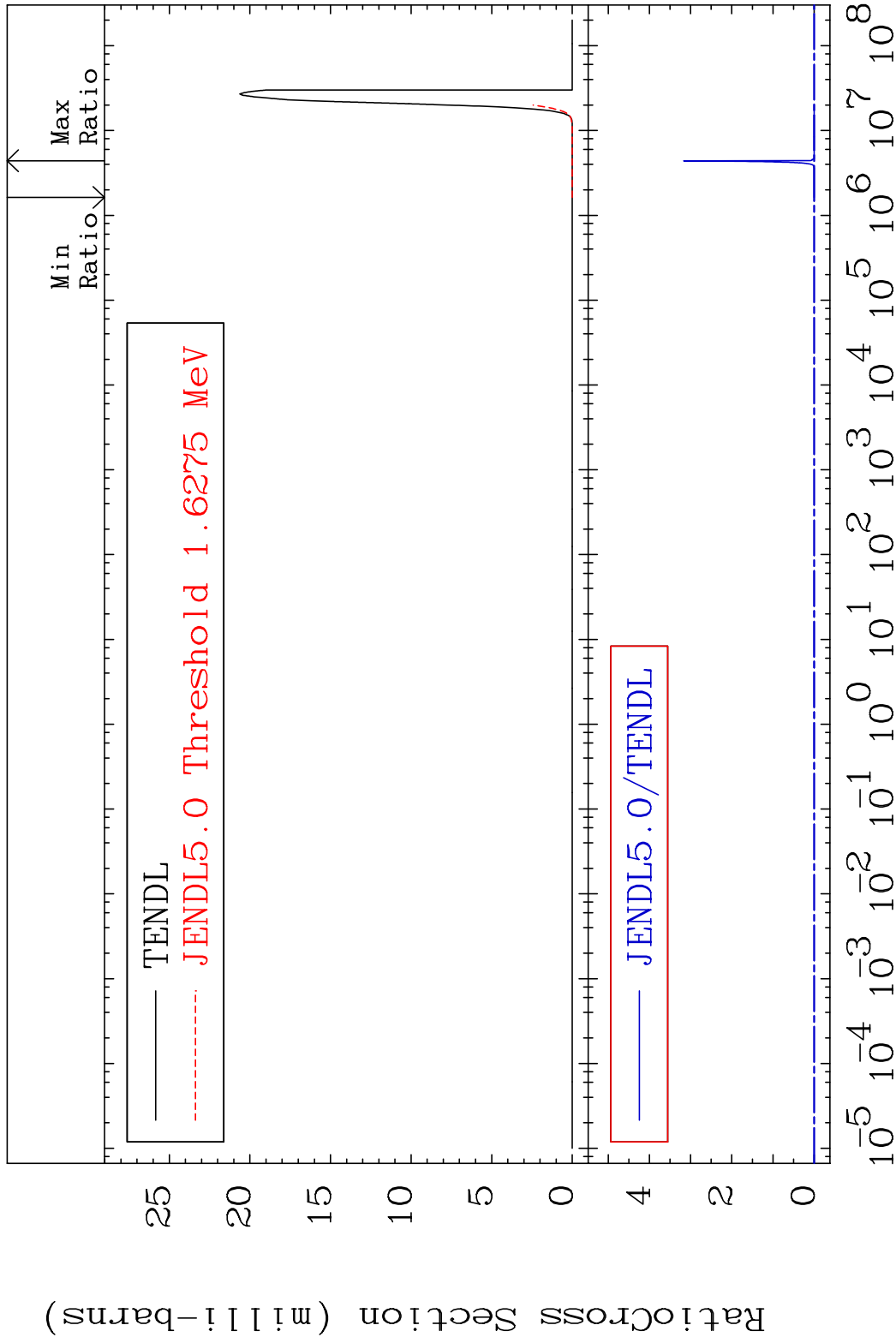
66-Dy-160

MAT 6637

(n, n') α

66-Dy-160

Cross Section -100.0 To 9999. %

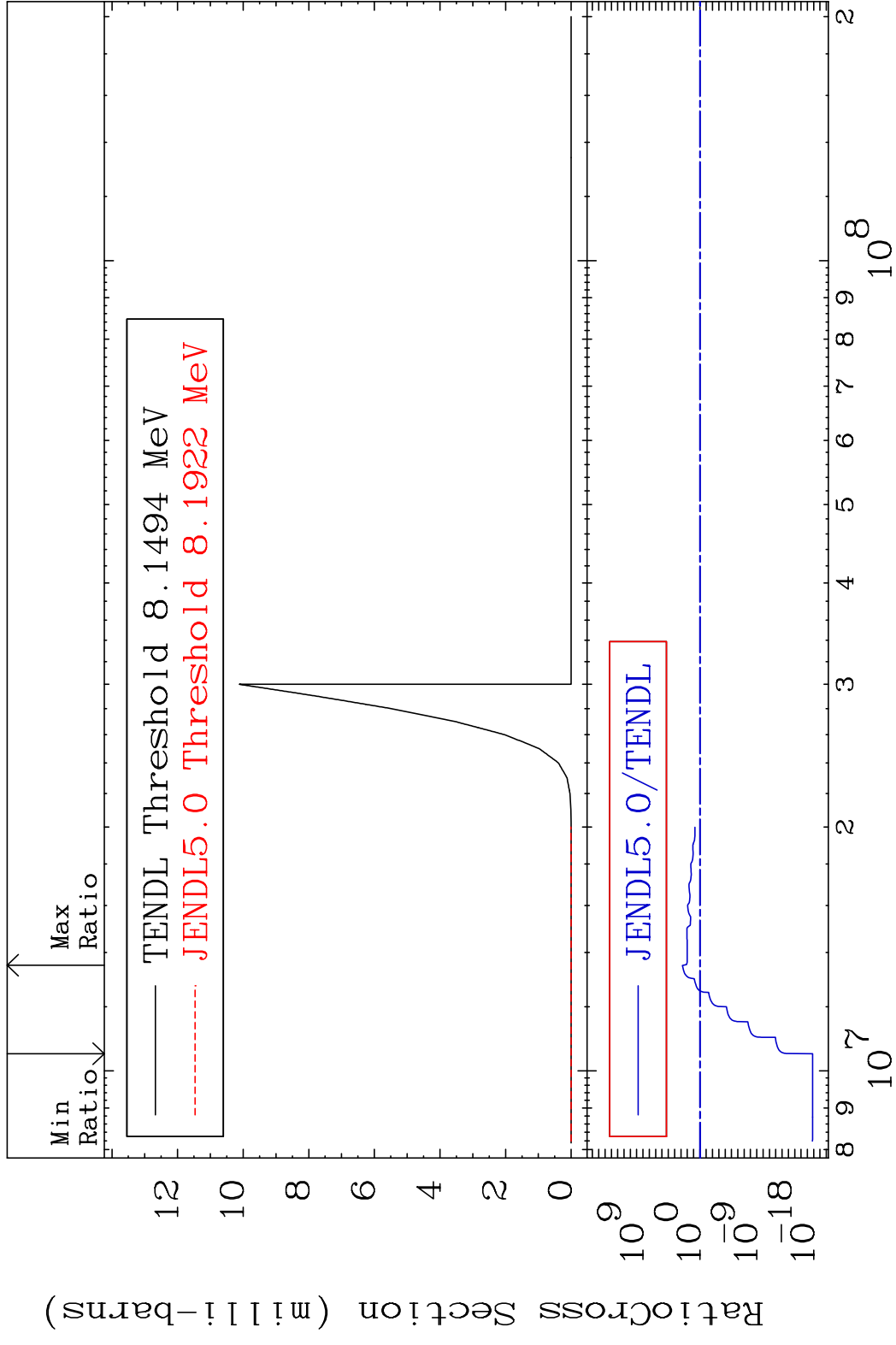


6

Incident Energy (eV)

66-Dy-160

MAT 6637 (n,2n) α 66-Dy-160
 Cross Section -100.0 To 9999. %



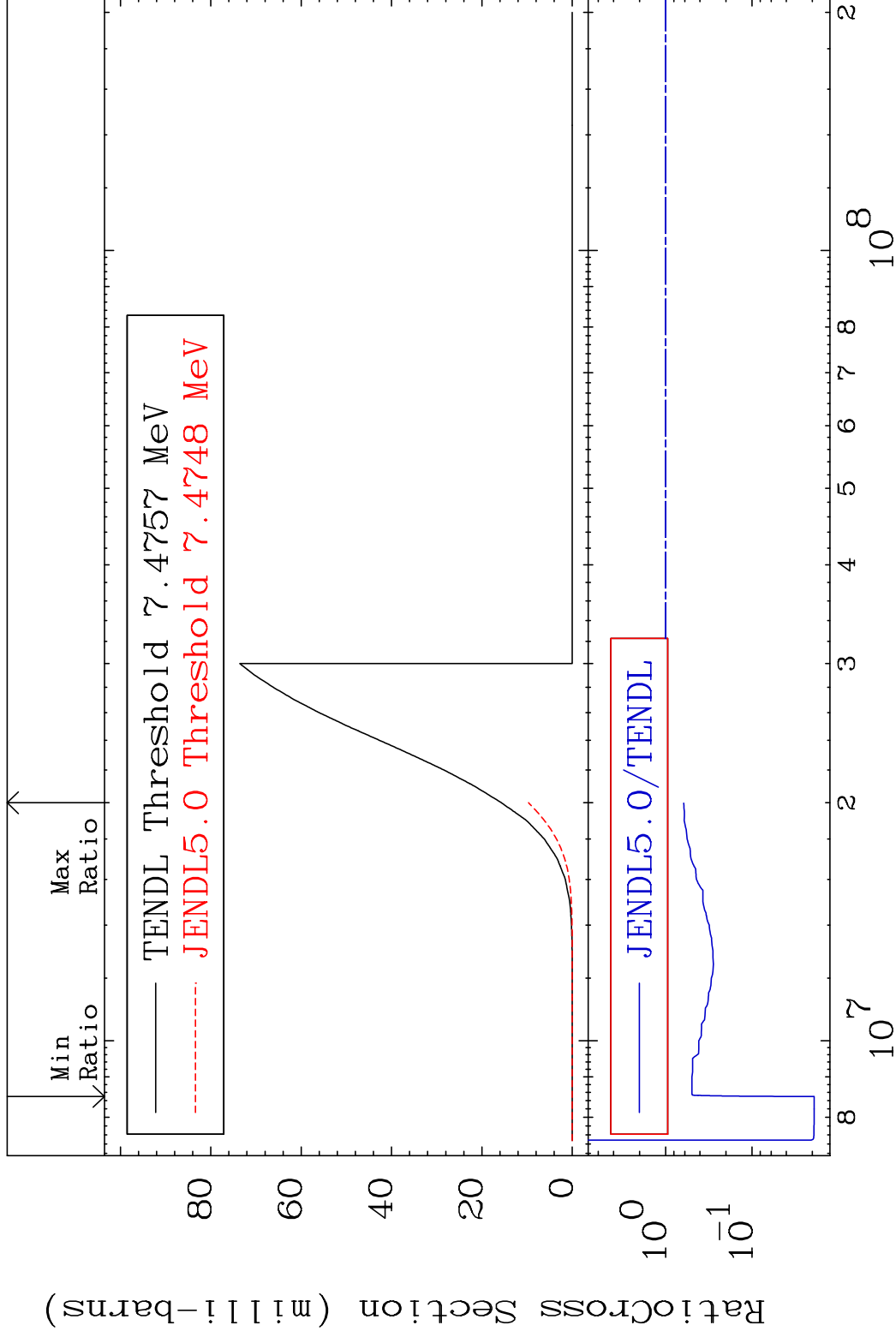
7 Incident Energy (eV) 66-Dy-160

MAT 6637

(n, n') p

66-Dy-160

Cross Section -98.09 To -38.25%

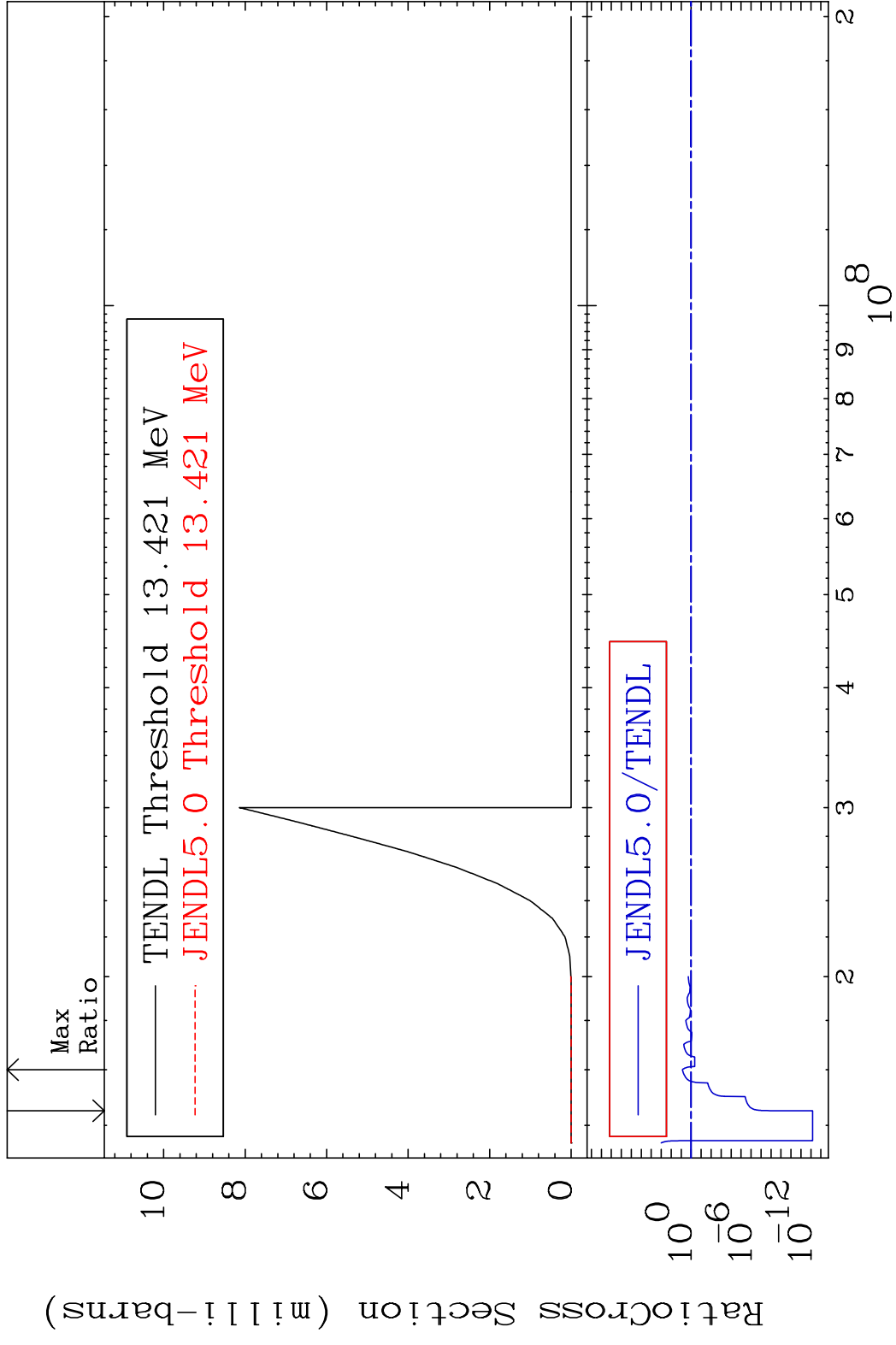


8

Incident Energy (eV)

66-Dy-160

MAT 6637 (n, n') d 66-Dy-160
 Cross Section -100.0 To 662.6 %

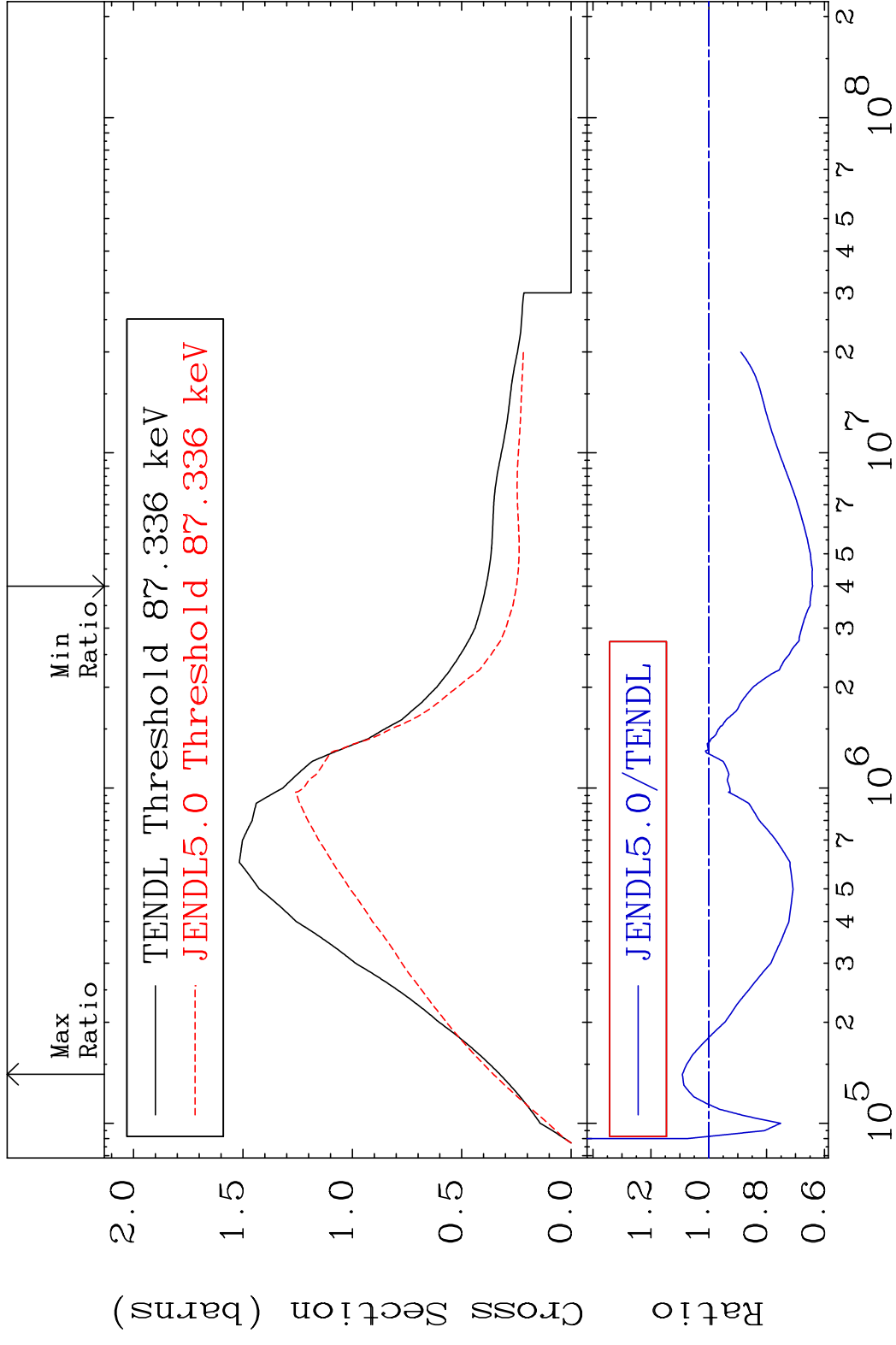


MAT 6637

MT= 51 (n, n') Level

66-Dy-160

Cross Section -35.86 To 9.124 %

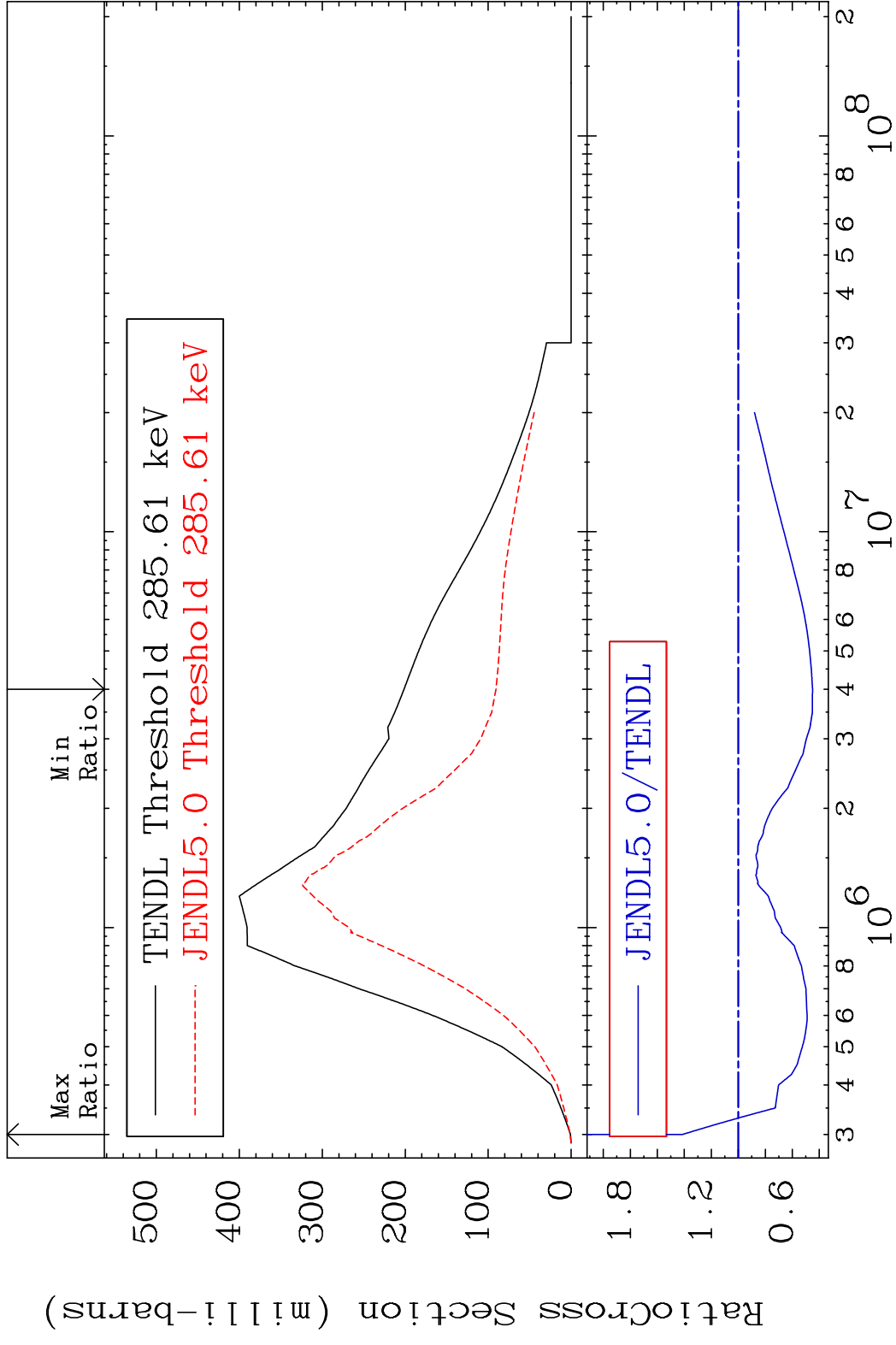


10

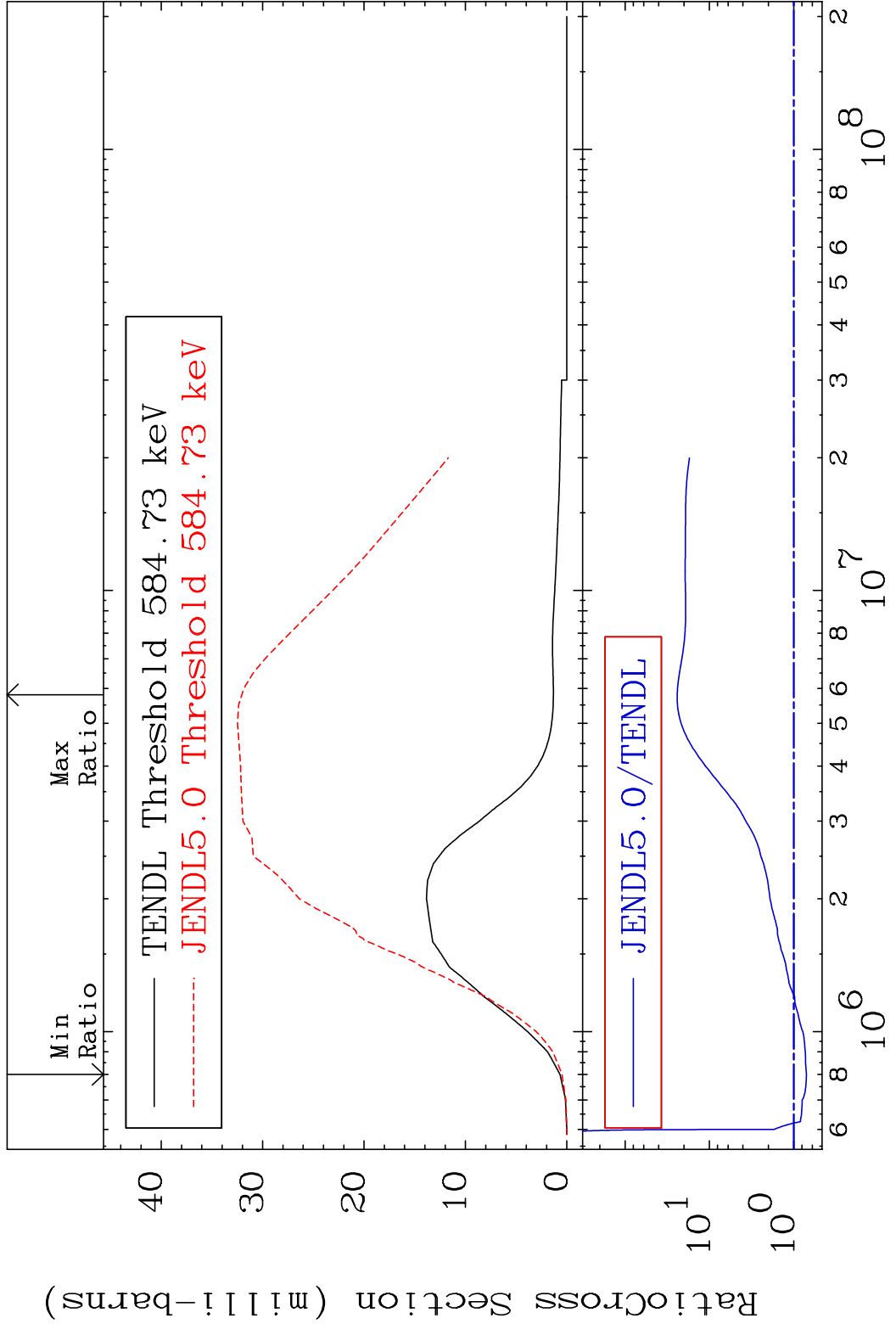
Incident Energy (eV)

66-Dy-160

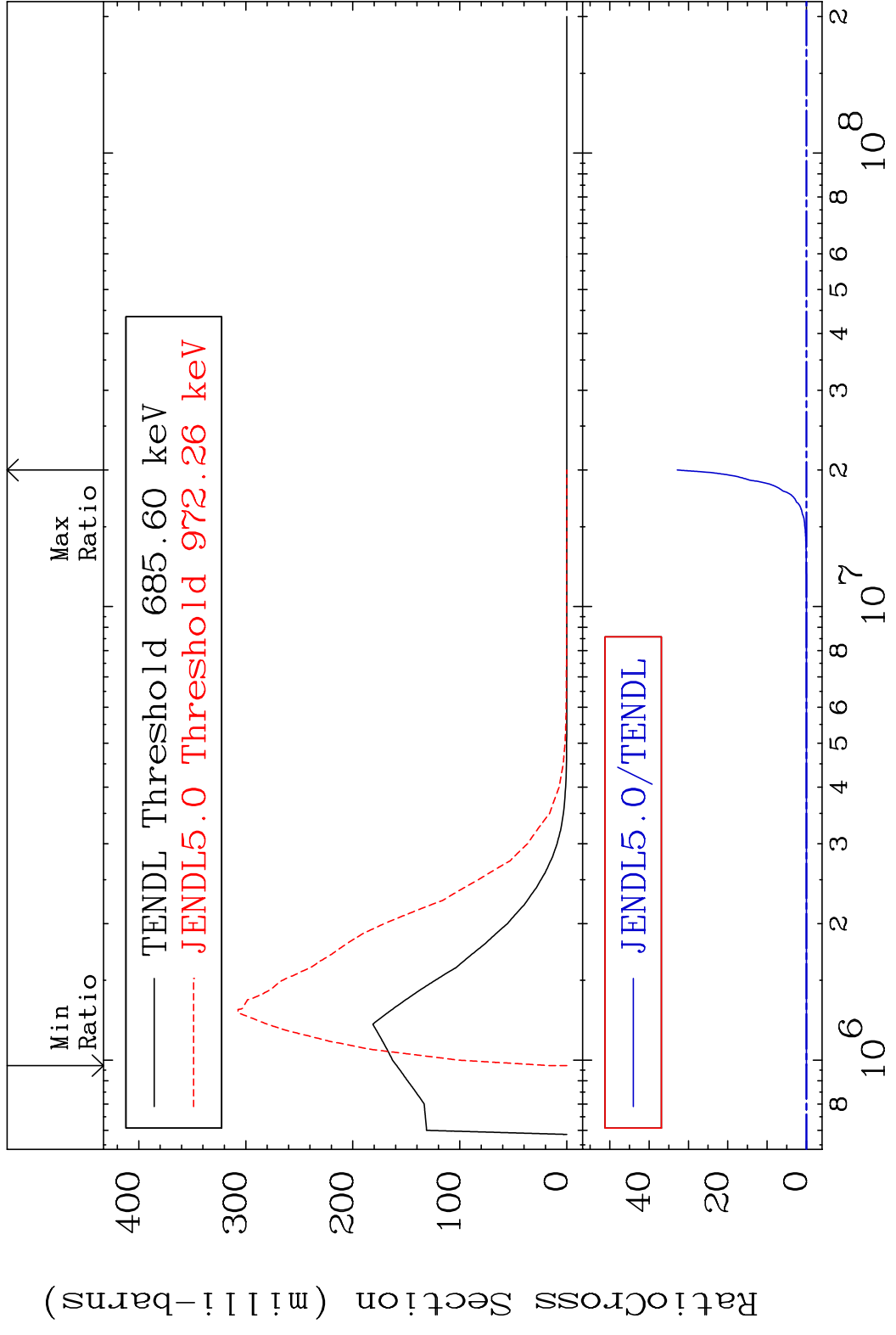
MAT 6637 MT= 52 (n, n') Level 66-Dy-160
 Cross Section -55.02 To 41.44 %



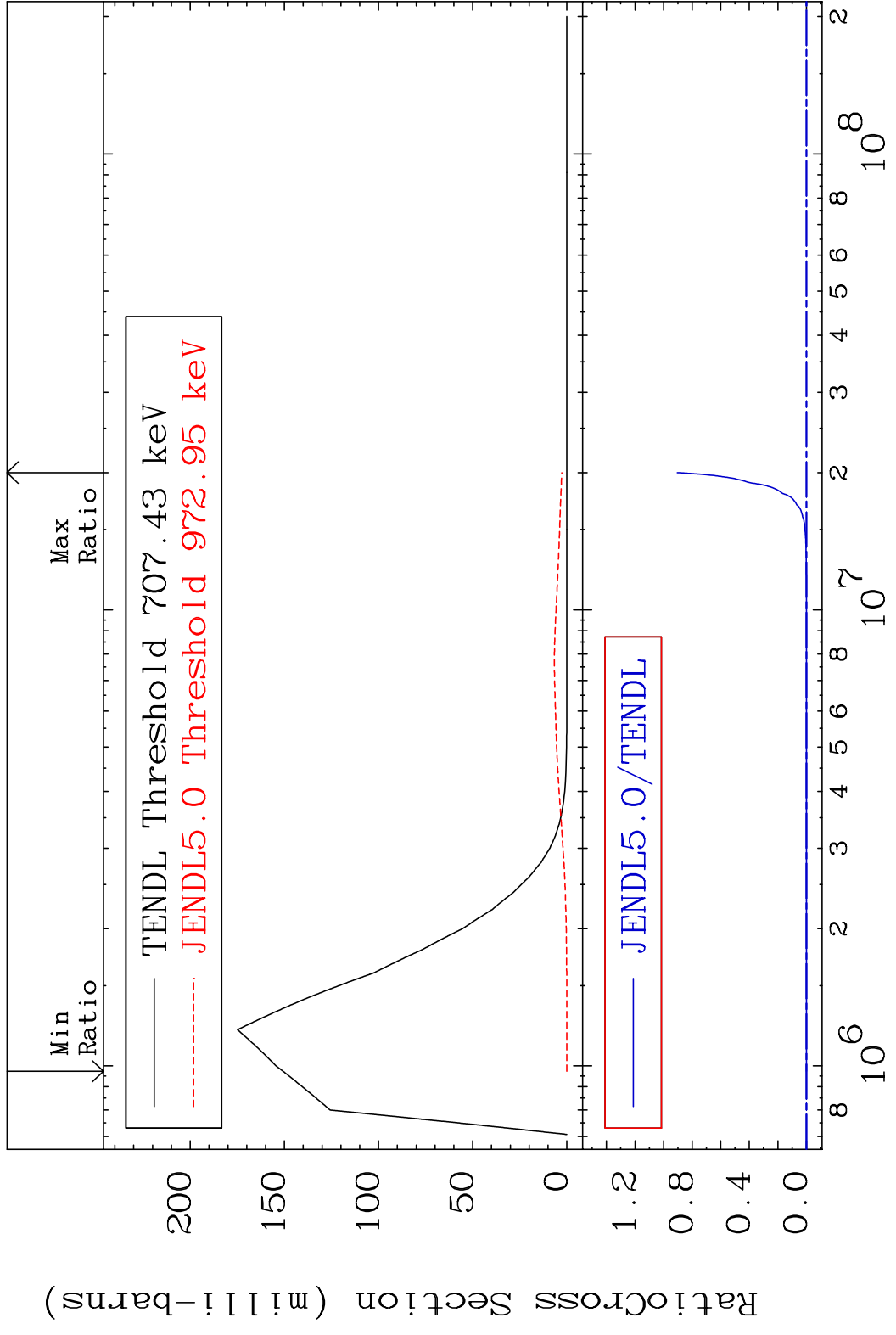
MAT 6637 MT= 53 (n, n') Level 66-Dy-160
 Cross Section -29.33 To 2312. %



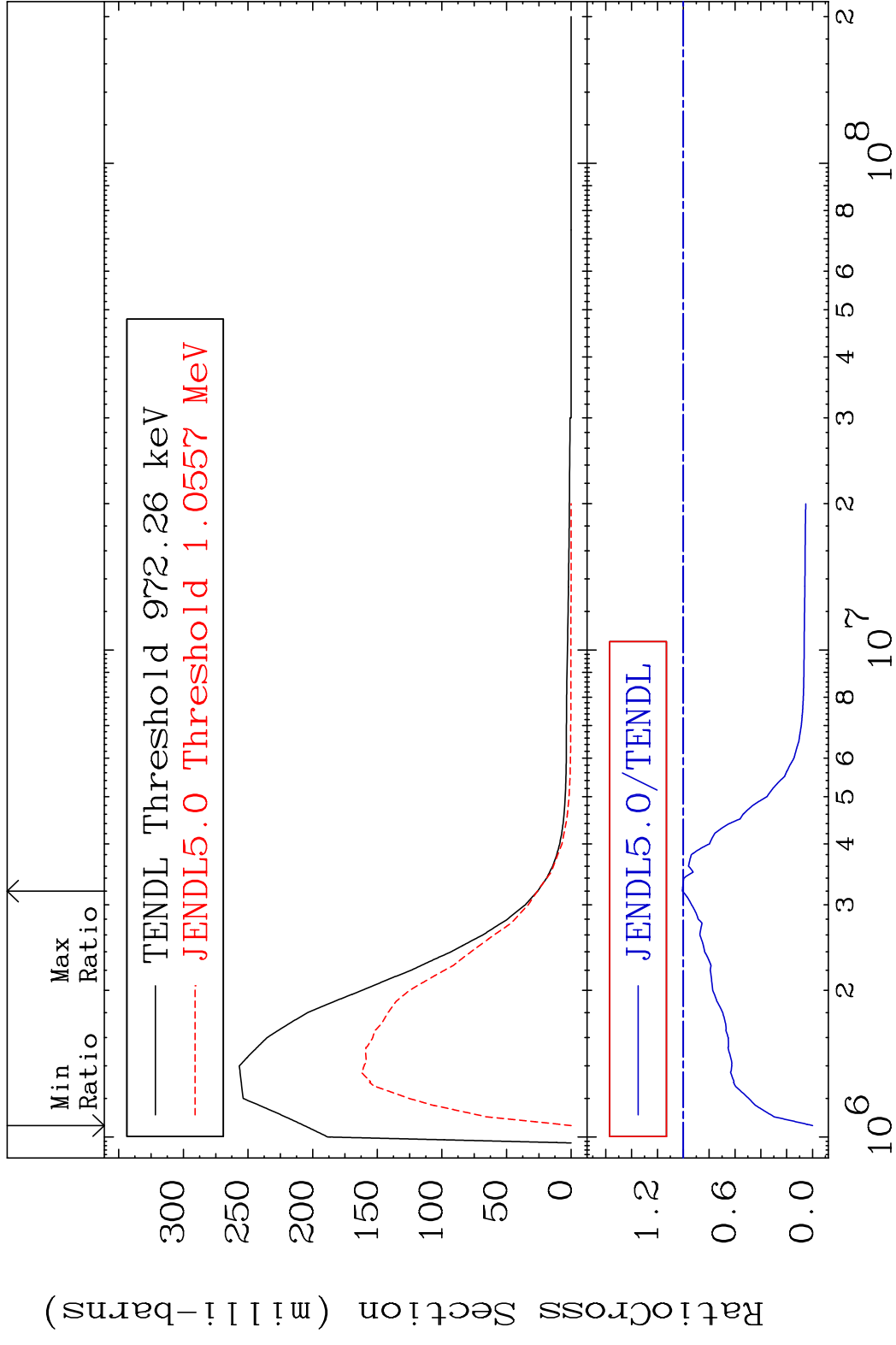
MAT 6637 MT= 54 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



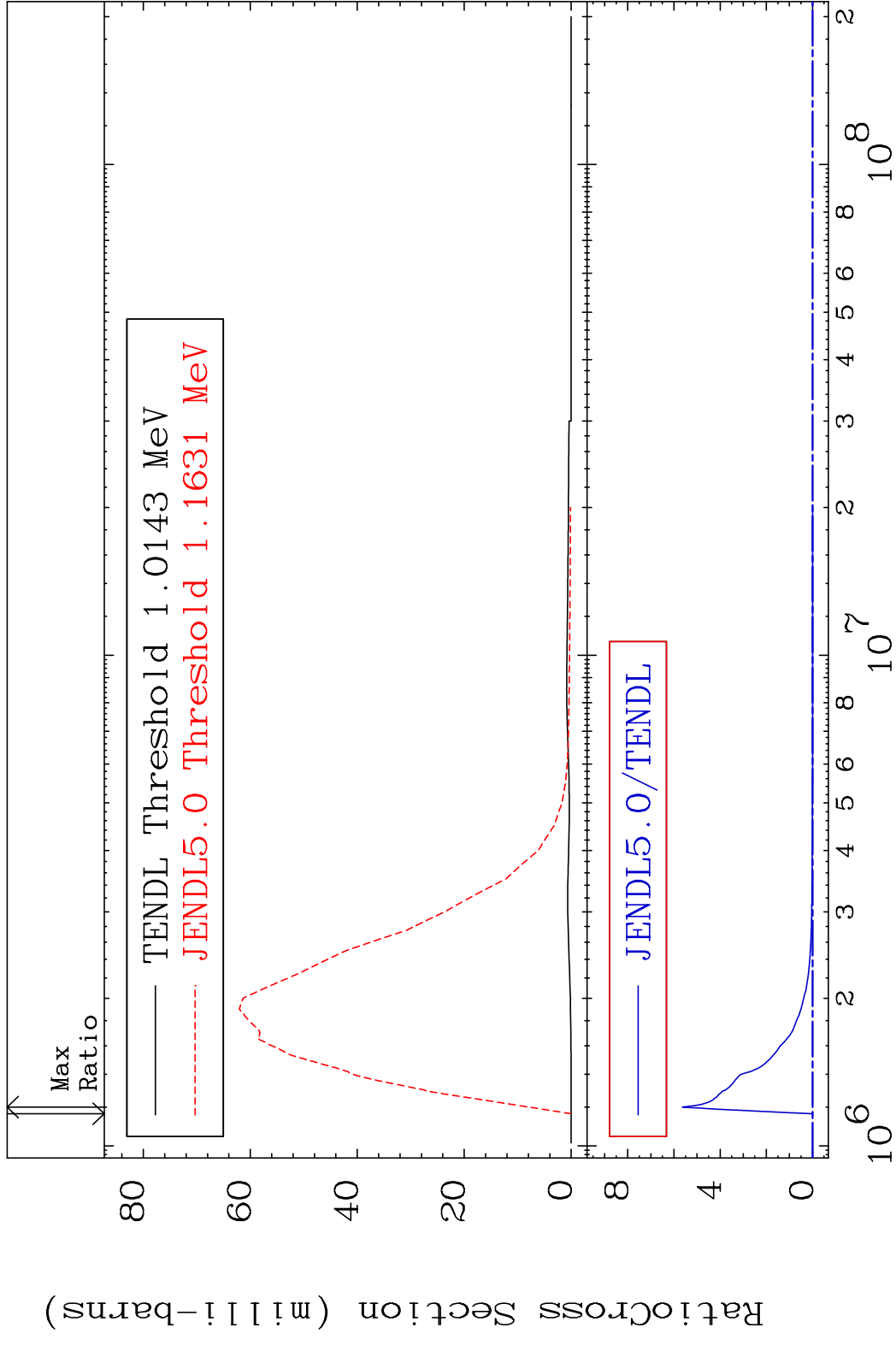
MAT 6637 MT= 55 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



MAT 6637 MT= 56 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 0.753 %

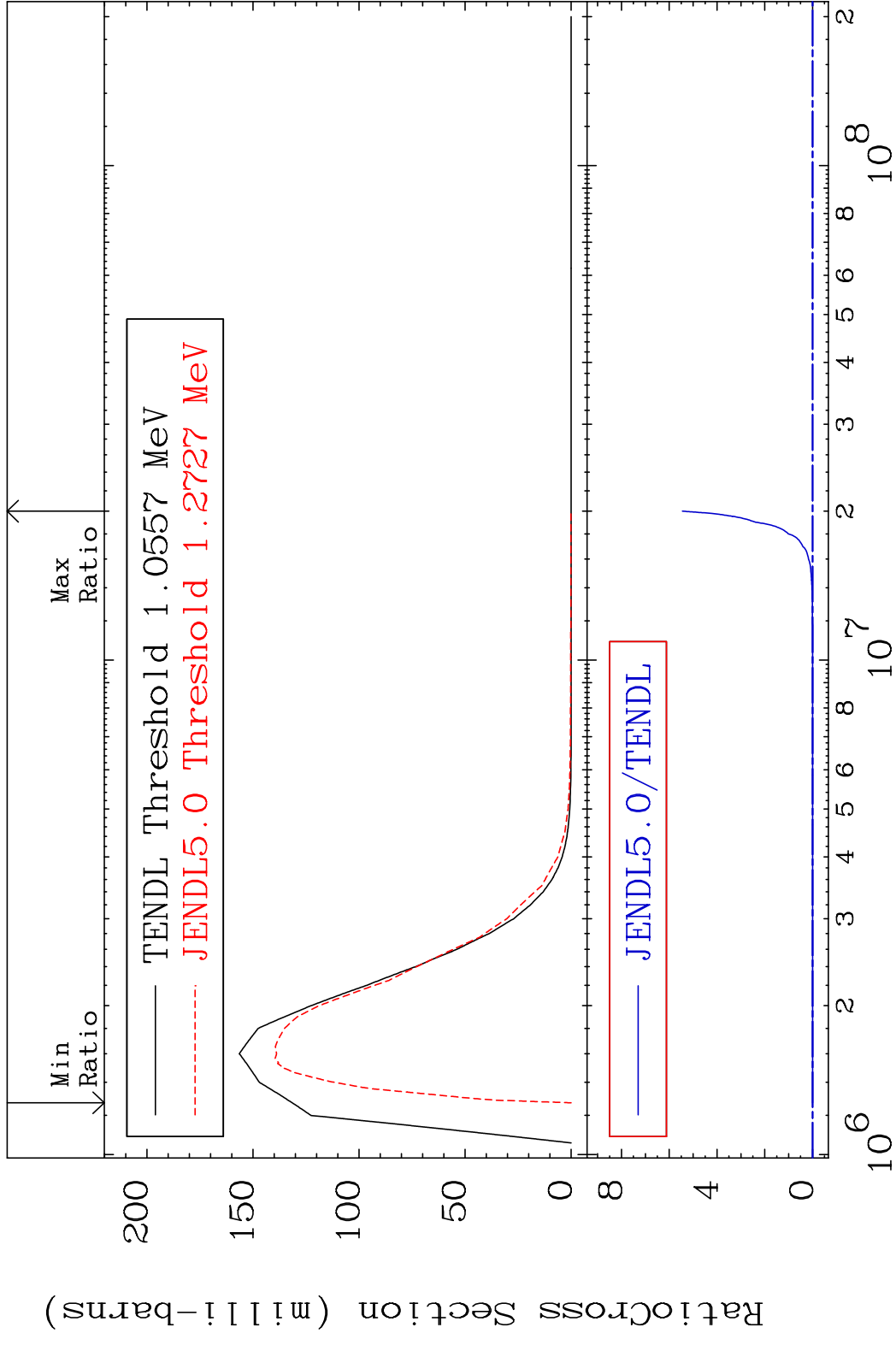


MAT 6637 MT= 57 (n,n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



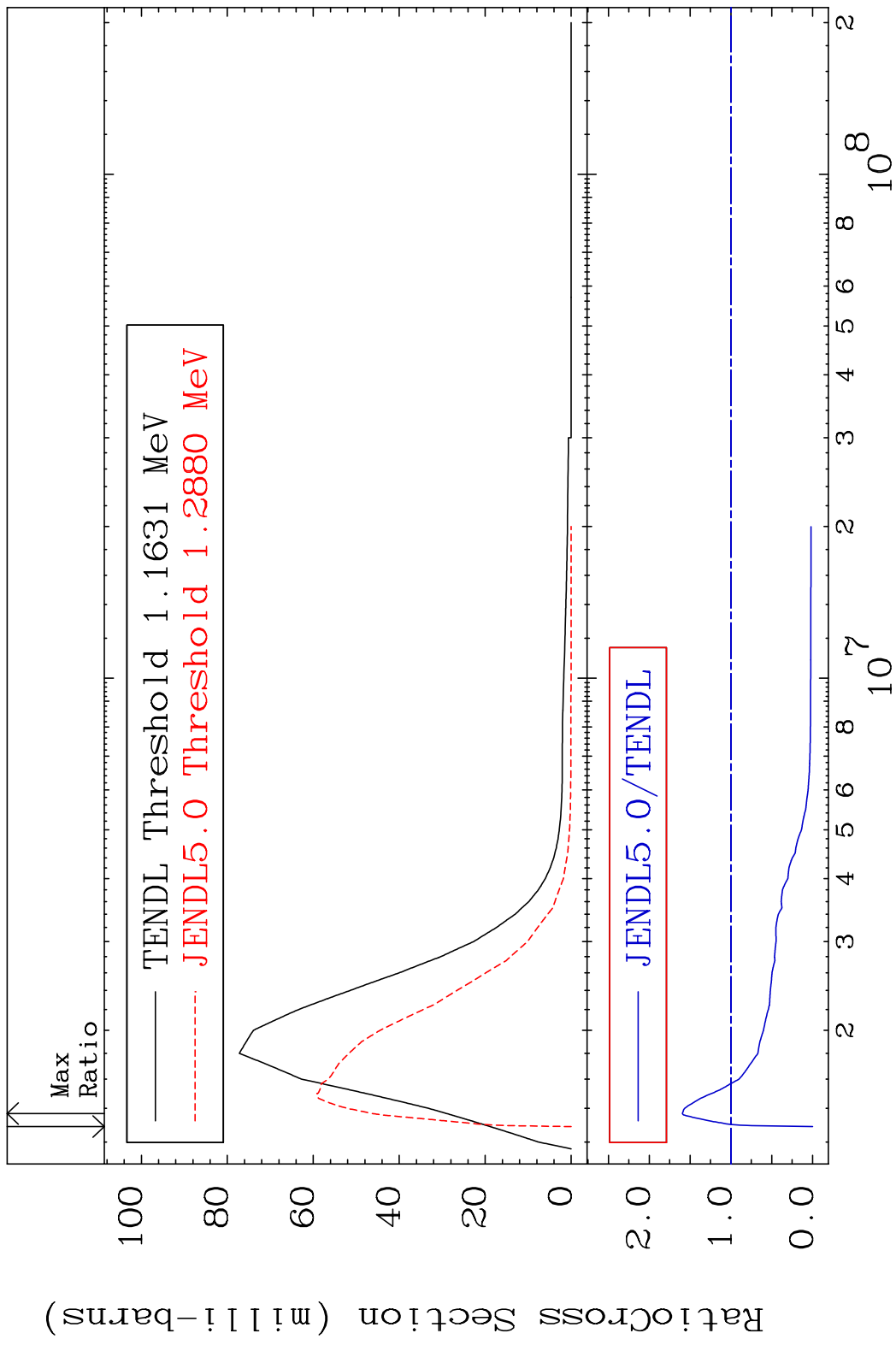
16 66-Dy-160

MAT 6637 MT= 58 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %

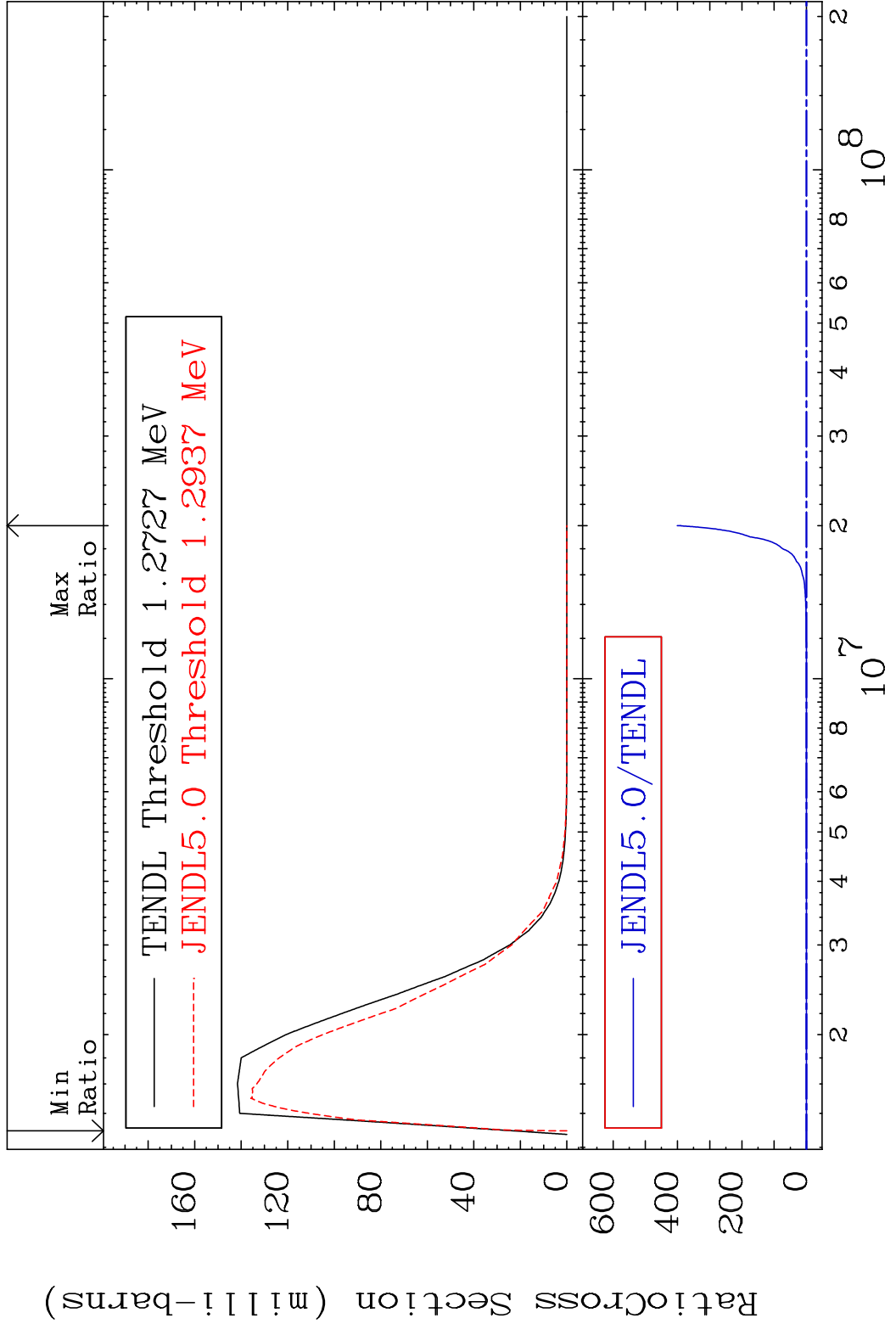


17 Incident Energy (eV) 66-Dy-160

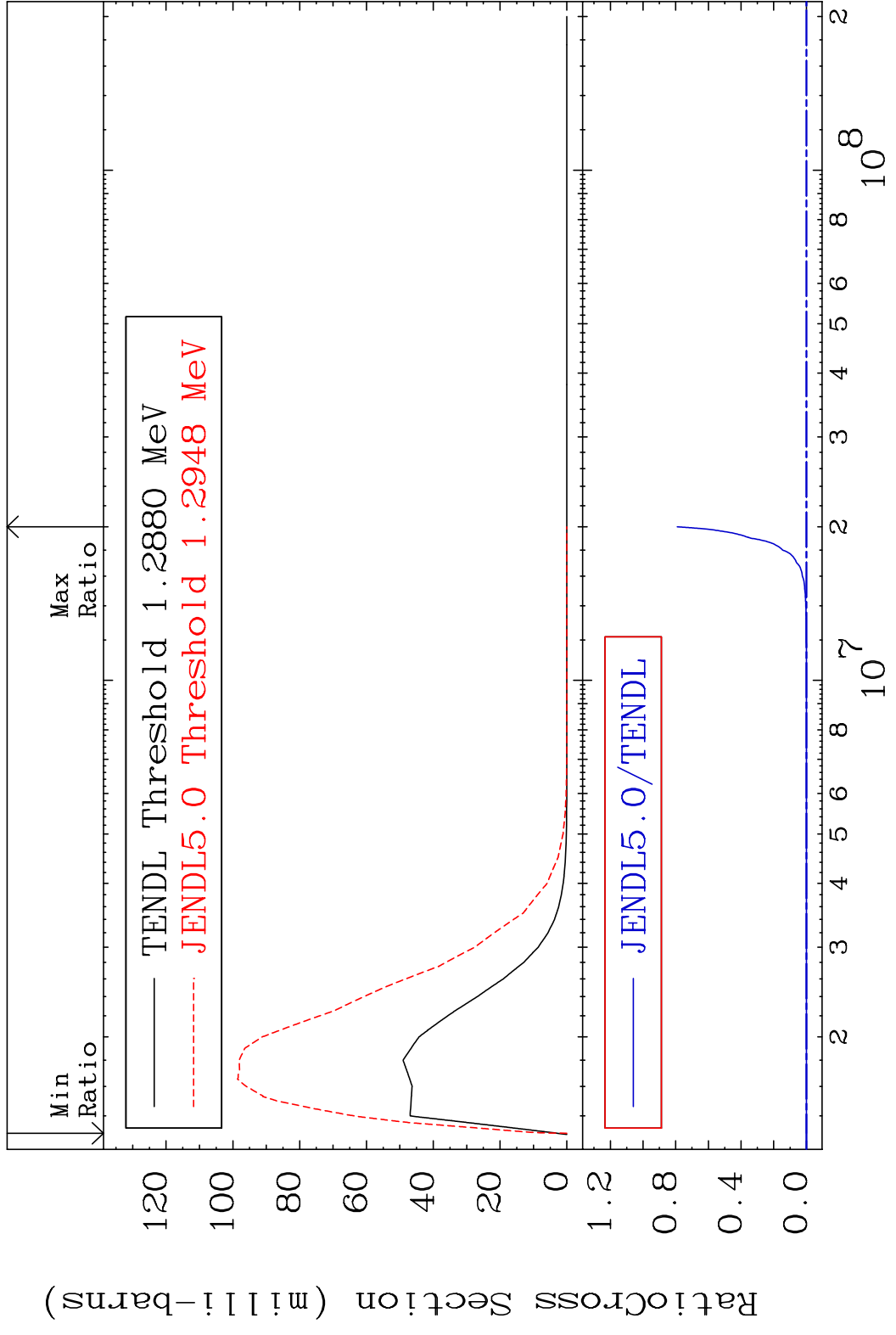
MAT 6637 MT= 59 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 59.49 %



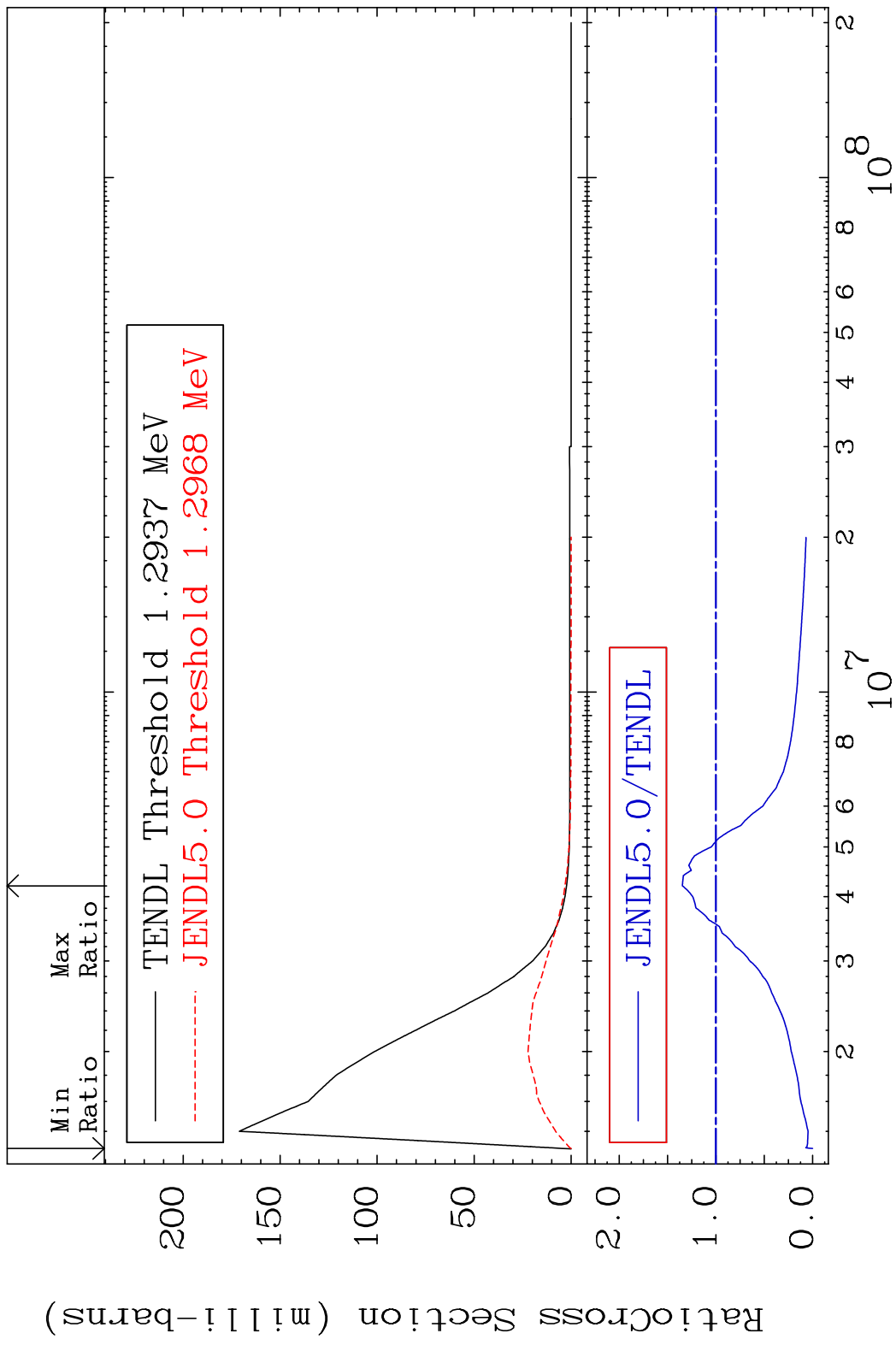
MAT 6637 MT= 60 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



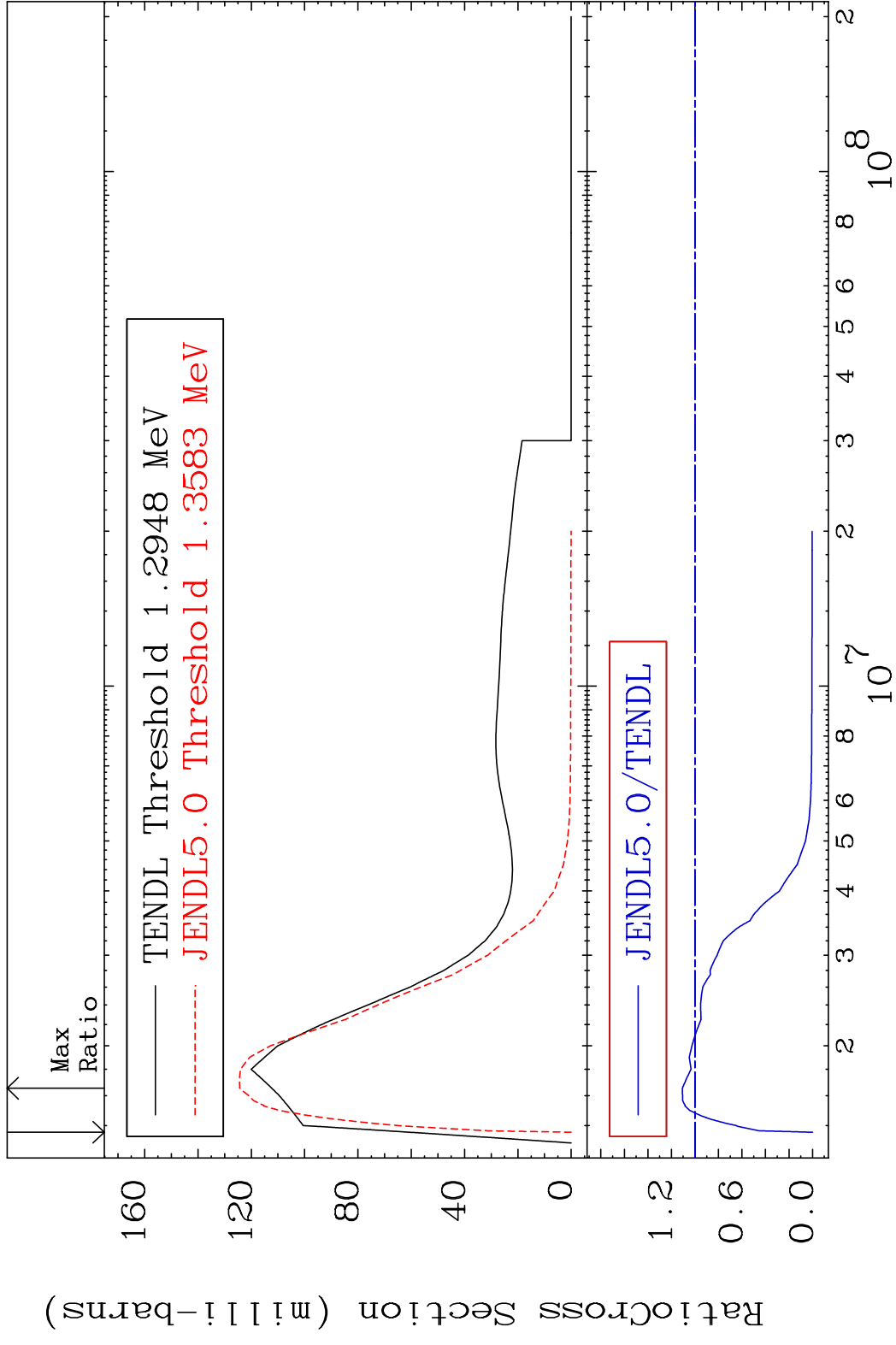
MAT 6637 MT= 61 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



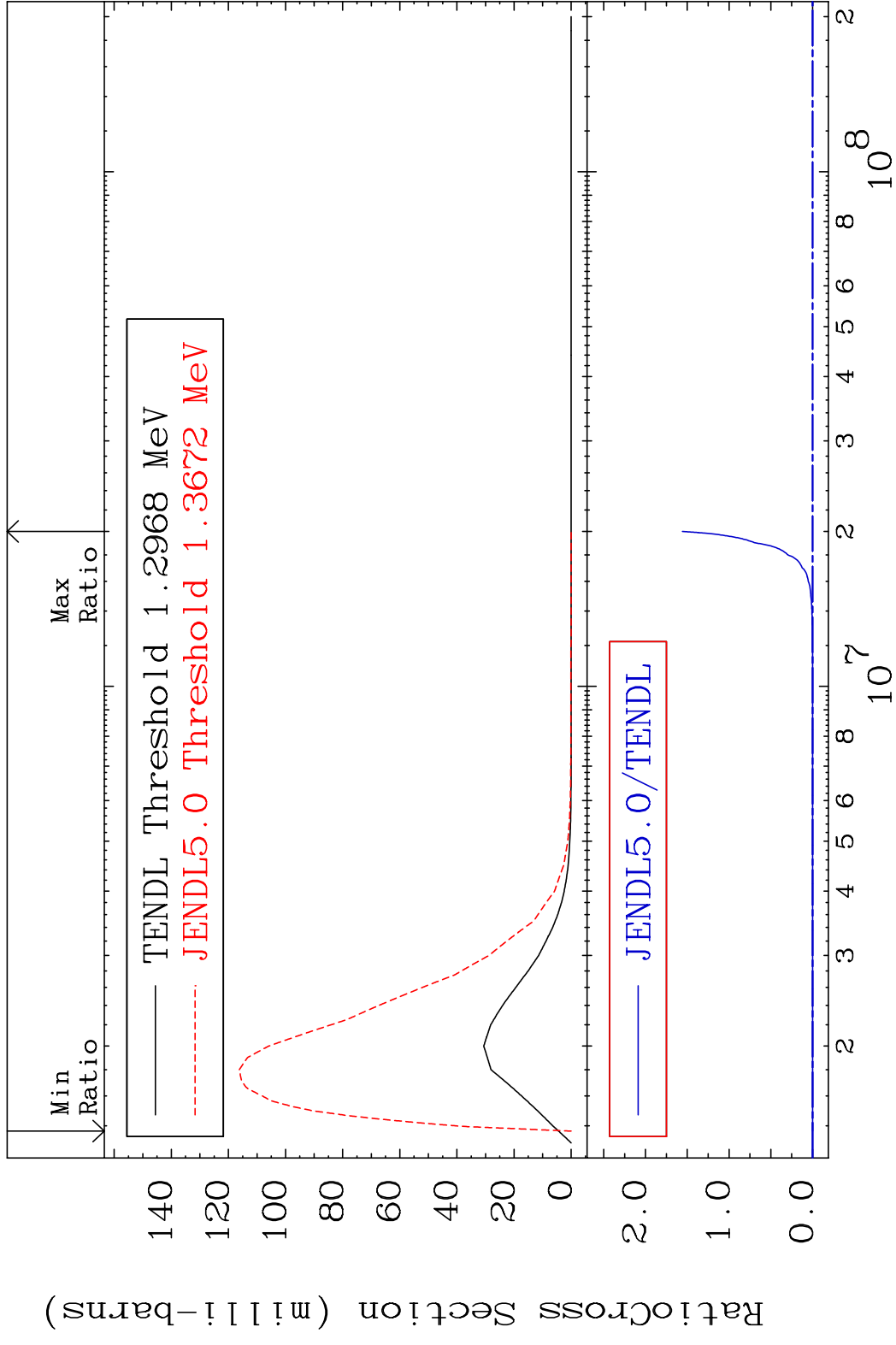
MAT 6637 MT= 62 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 34.72 %



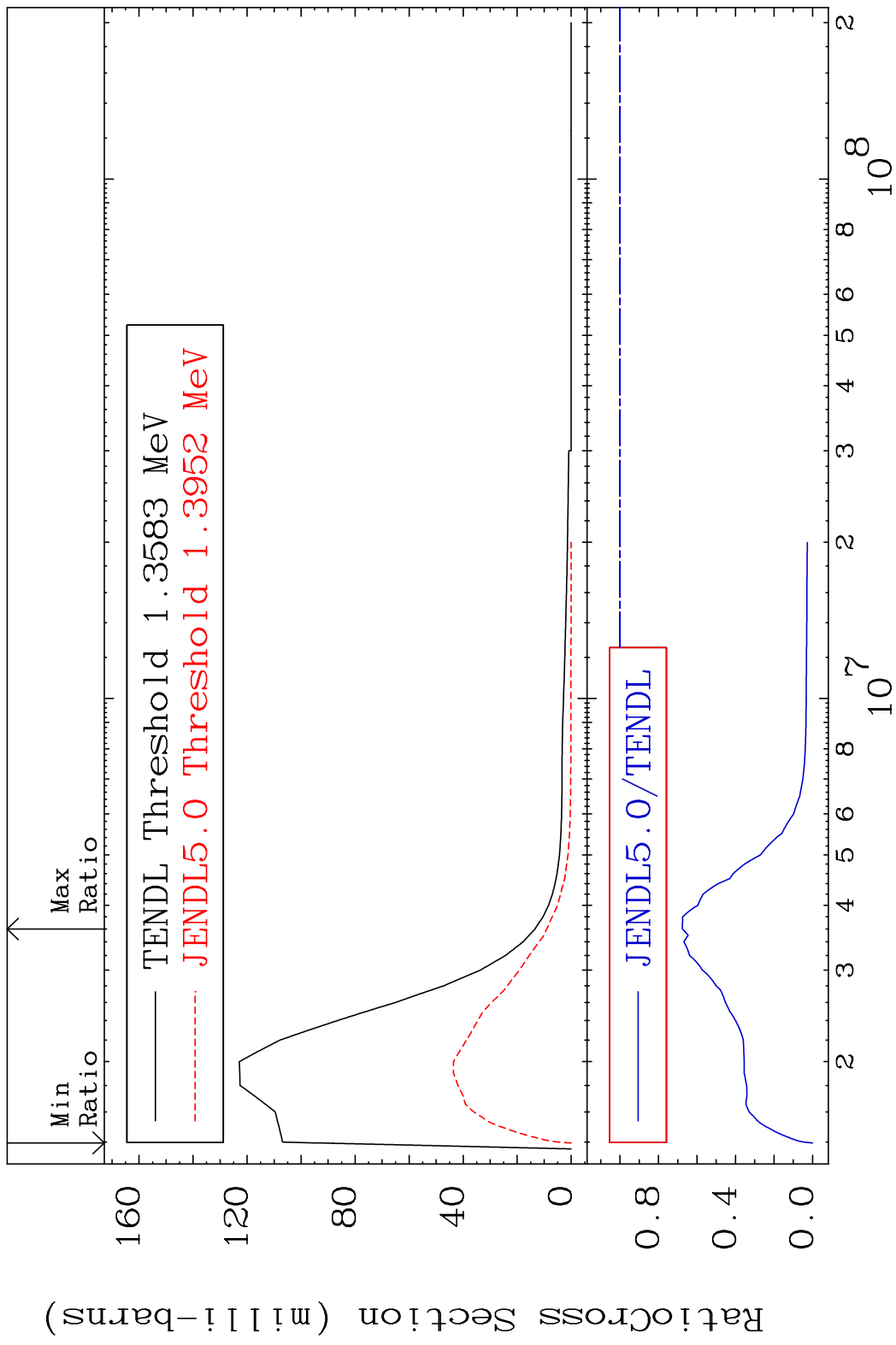
MAT 6637 MT= 63 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 10.70 %



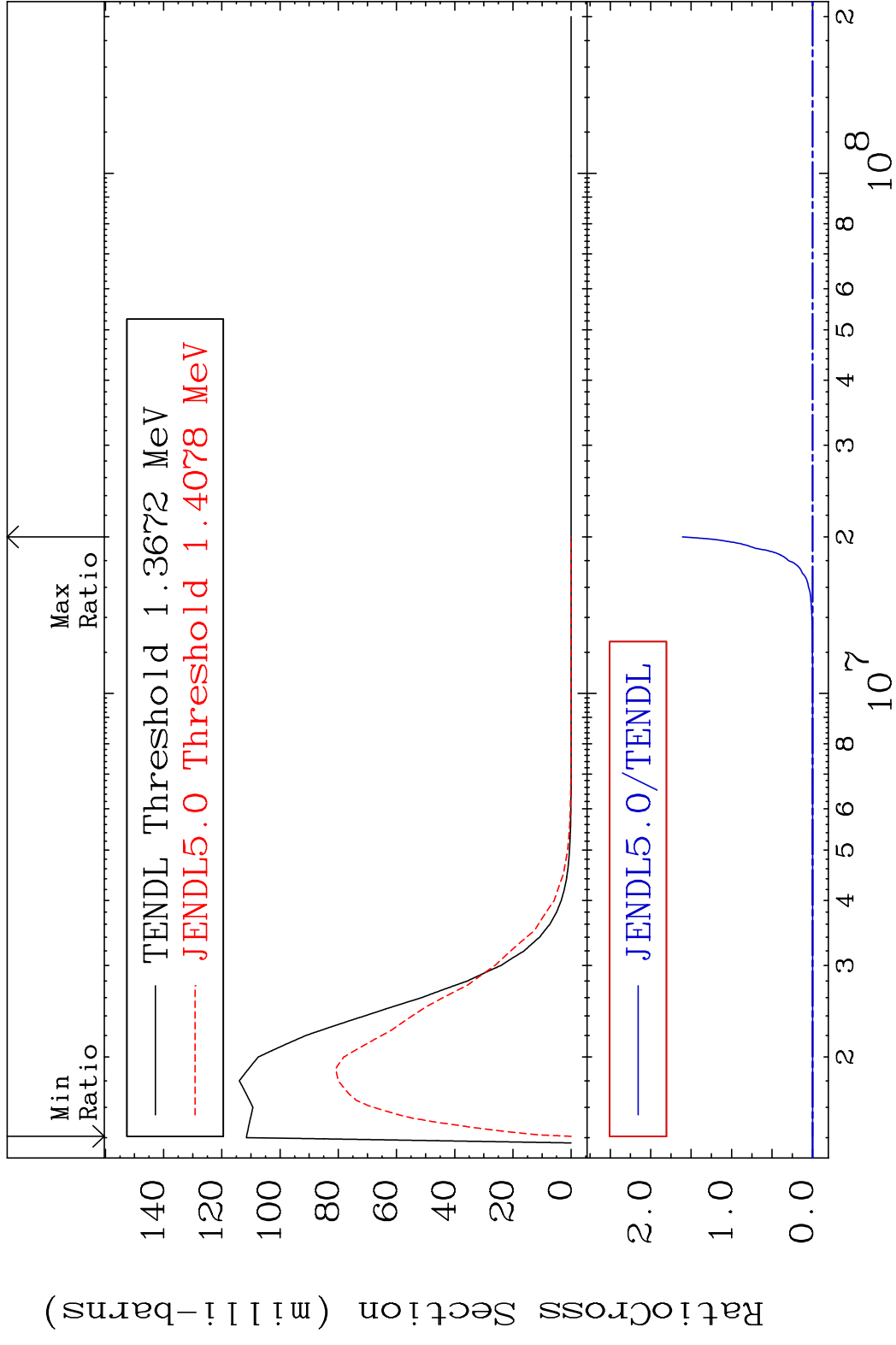
MAT 6637 MT= 64 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



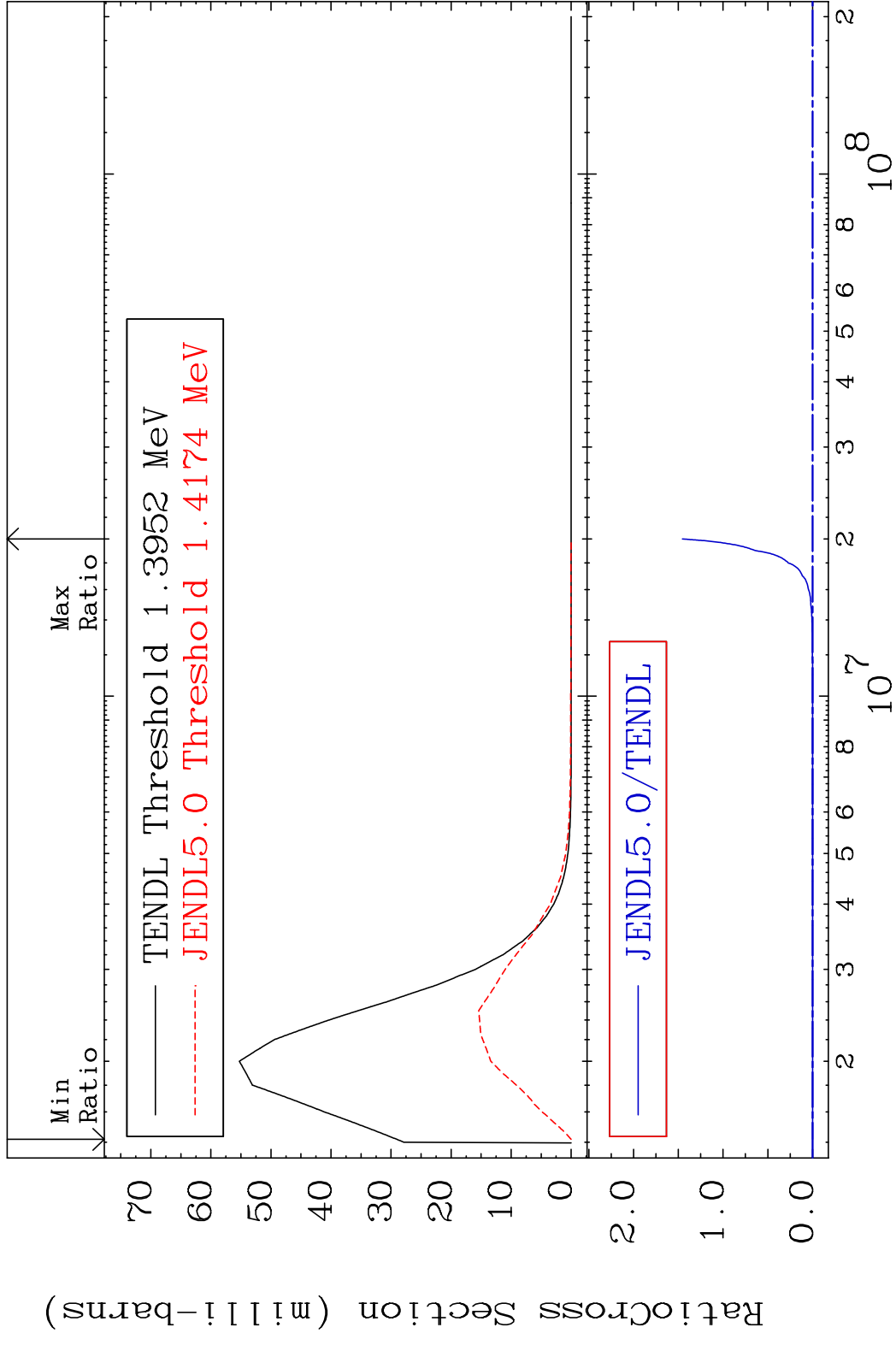
MAT 6637 MT= 65 (n, n') Level 66-Dy-160
 Cross Section -100.0 To -32.41%



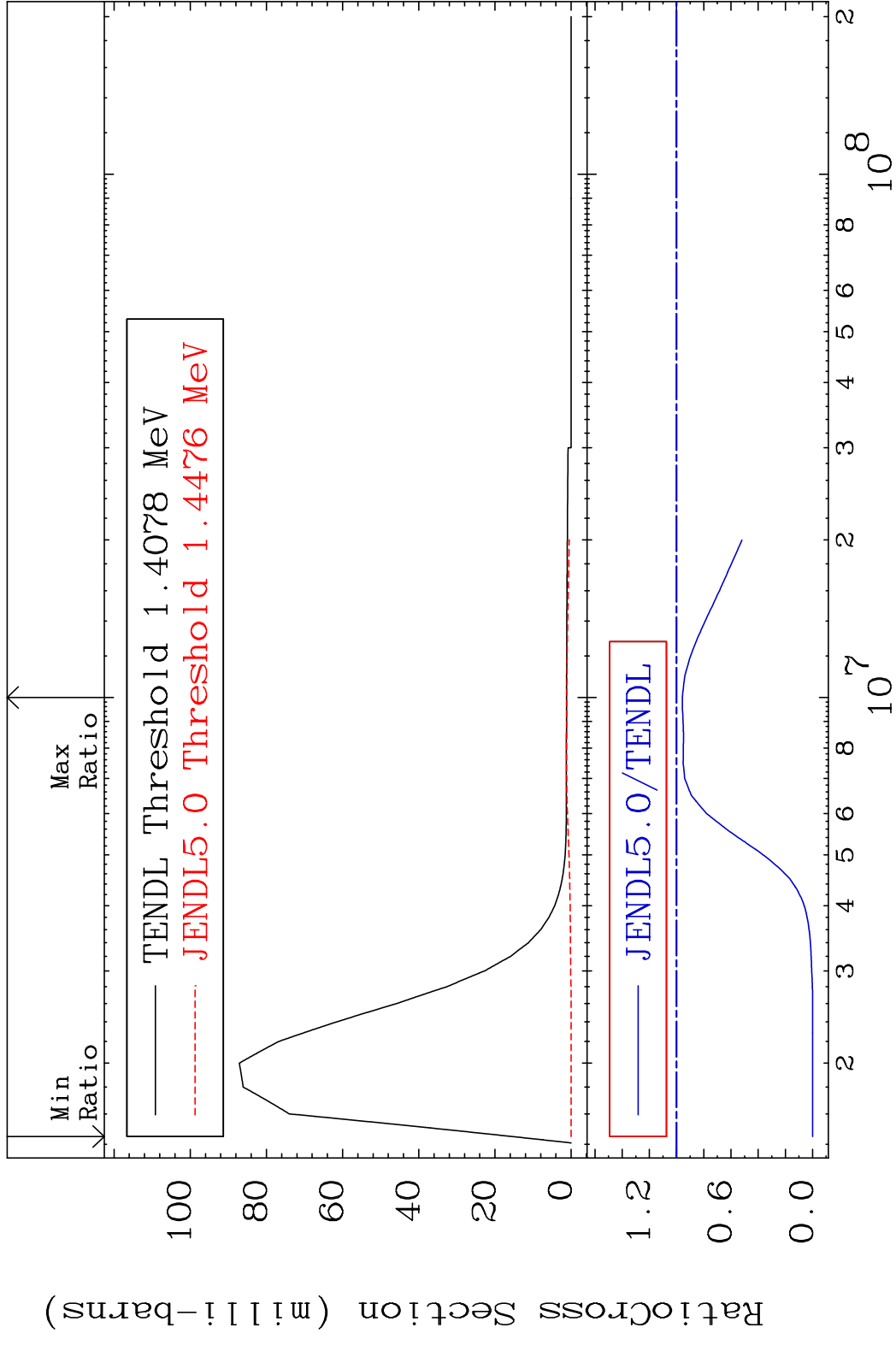
MAT 6637 MT= 66 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



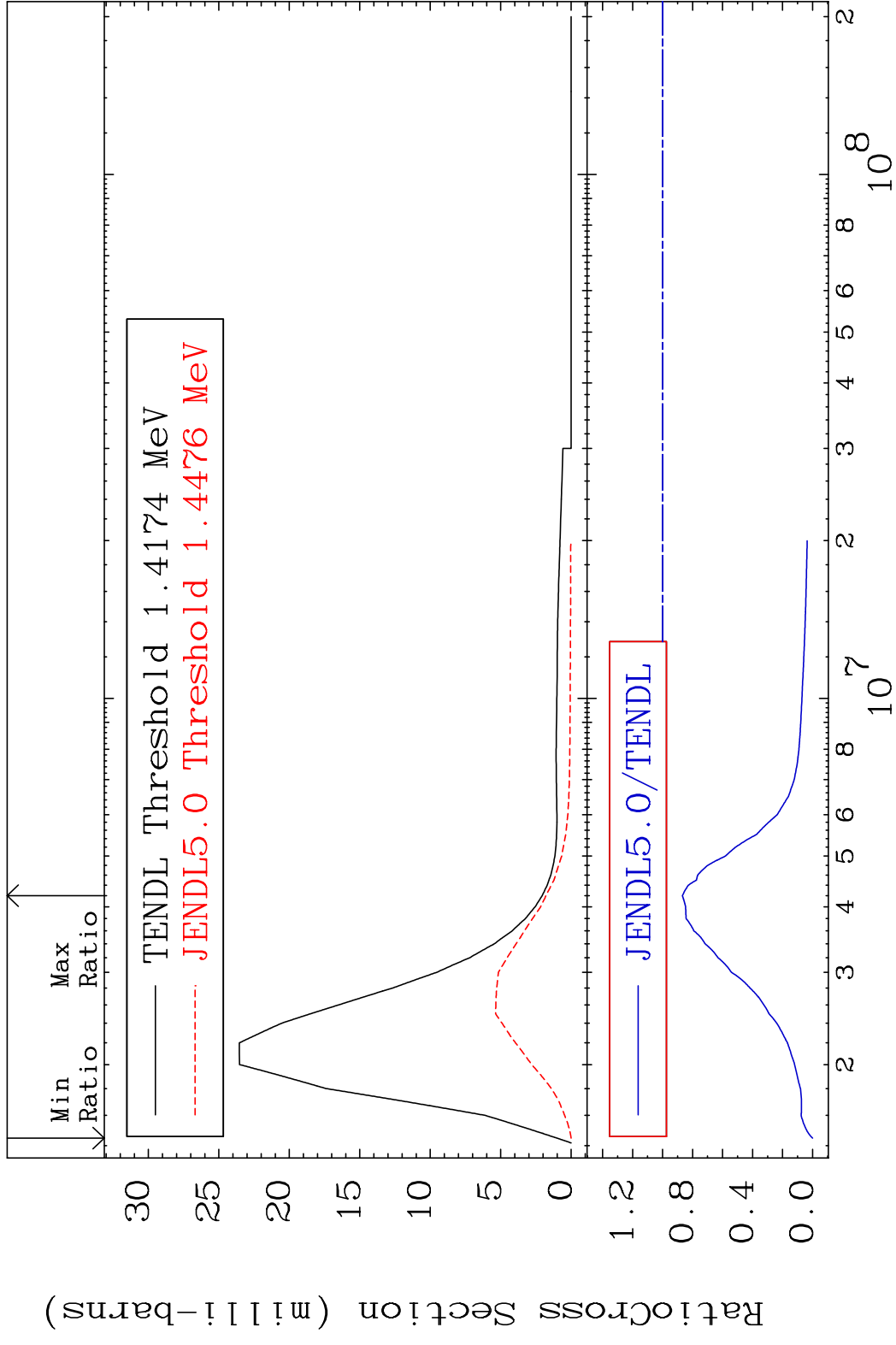
MAT 6637 MT= 67 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



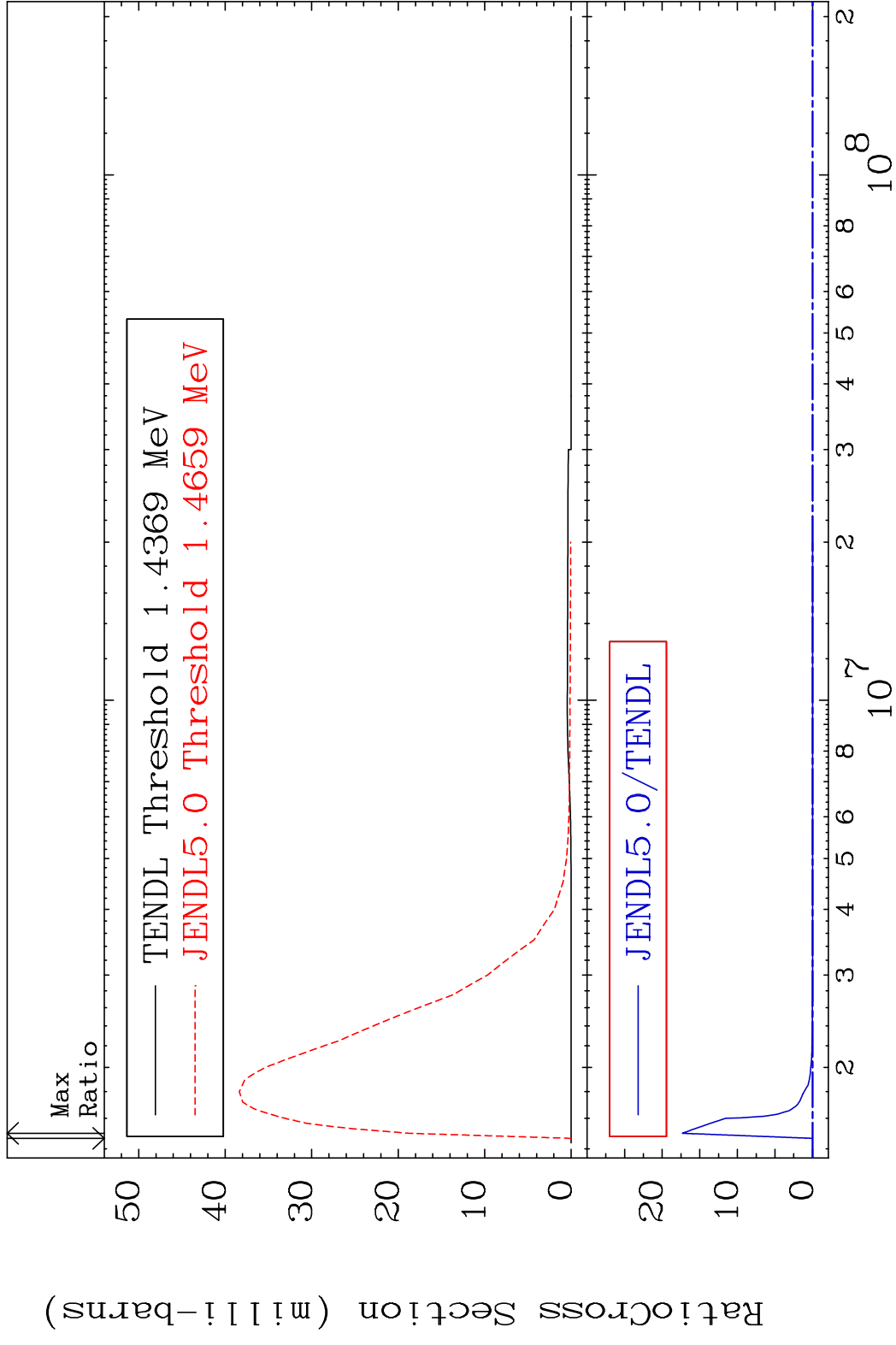
MAT 6637 MT= 68 (n, n') Level 66-Dy-160
 Cross Section -100.0 To -4.258%



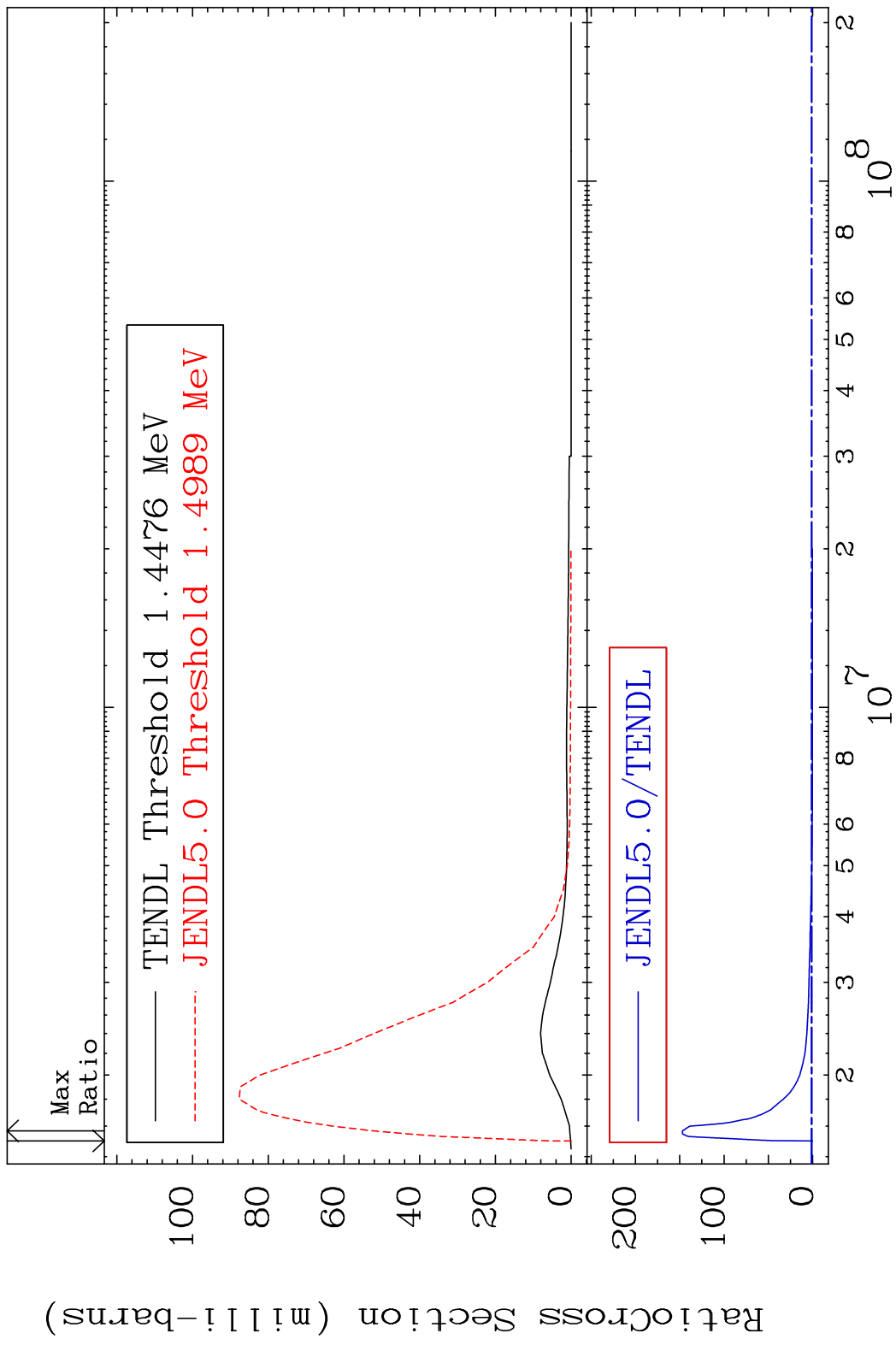
MAT 6637 MT= 69 (n, n') Level 66-Dy-160
 Cross Section -100.0 To -13.18%



MAT 6637 MT= 70 (n,n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %

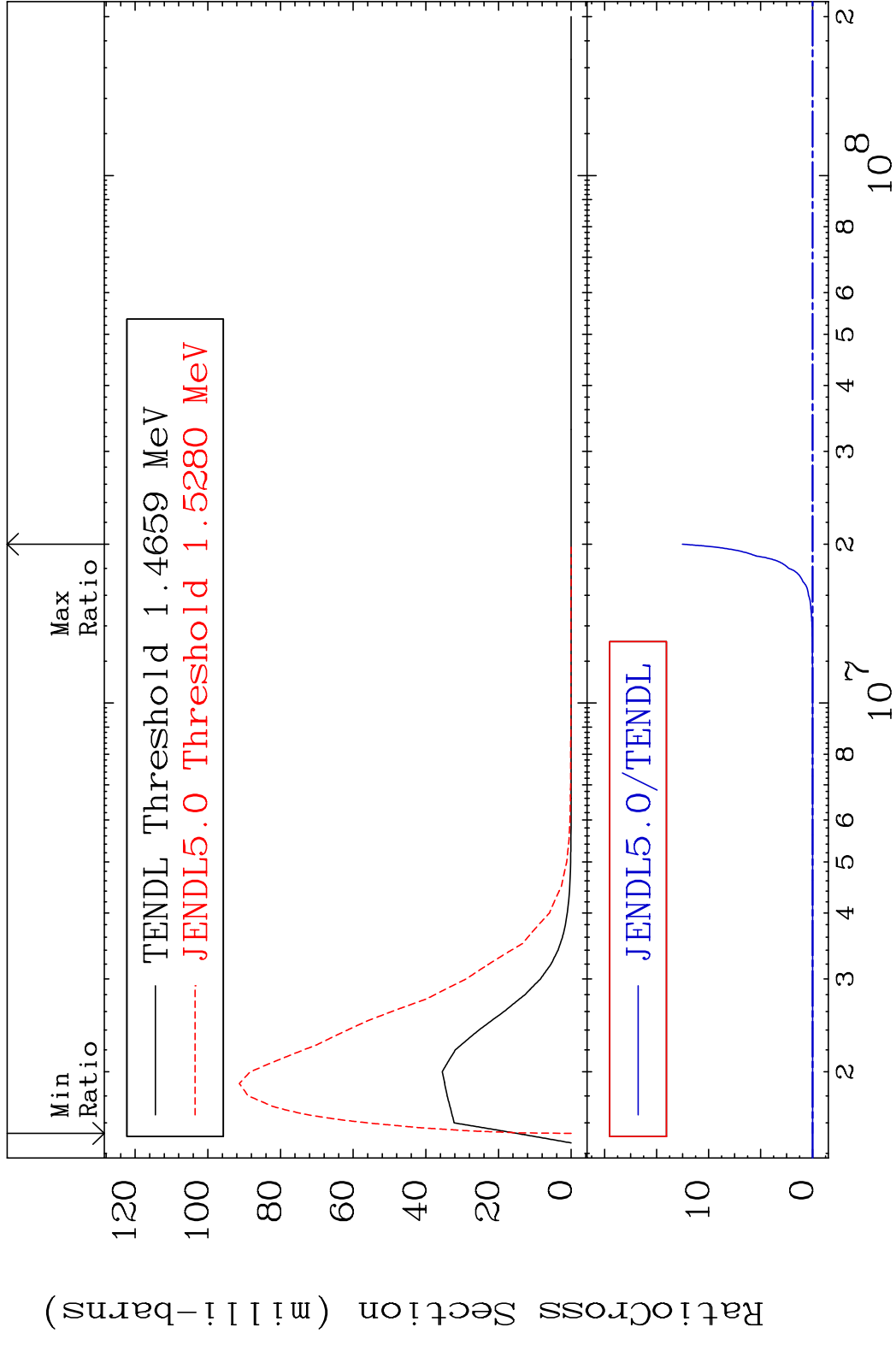


MAT 6637 MT= 71 (n,n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %

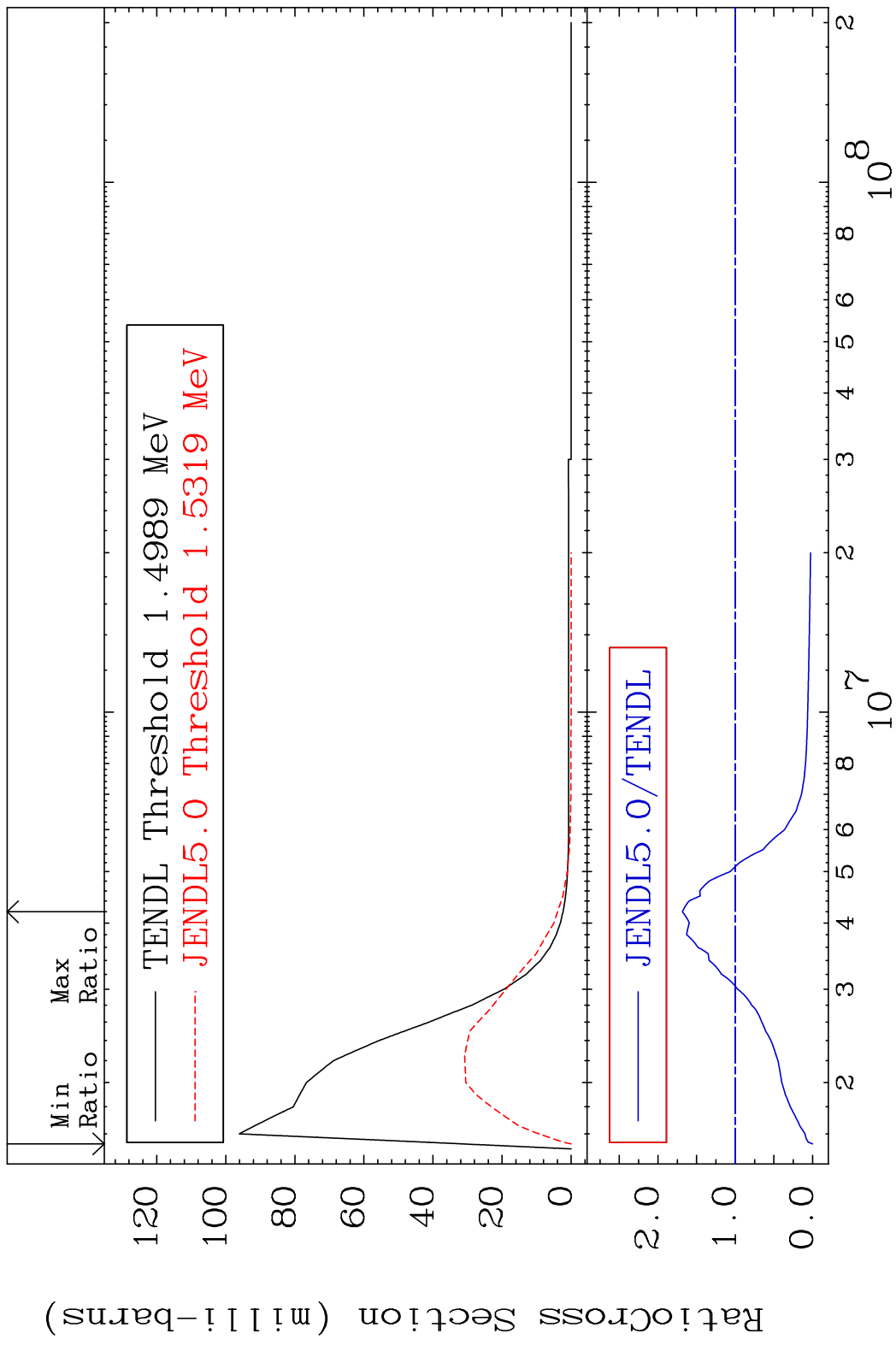


30 66-Dy-160

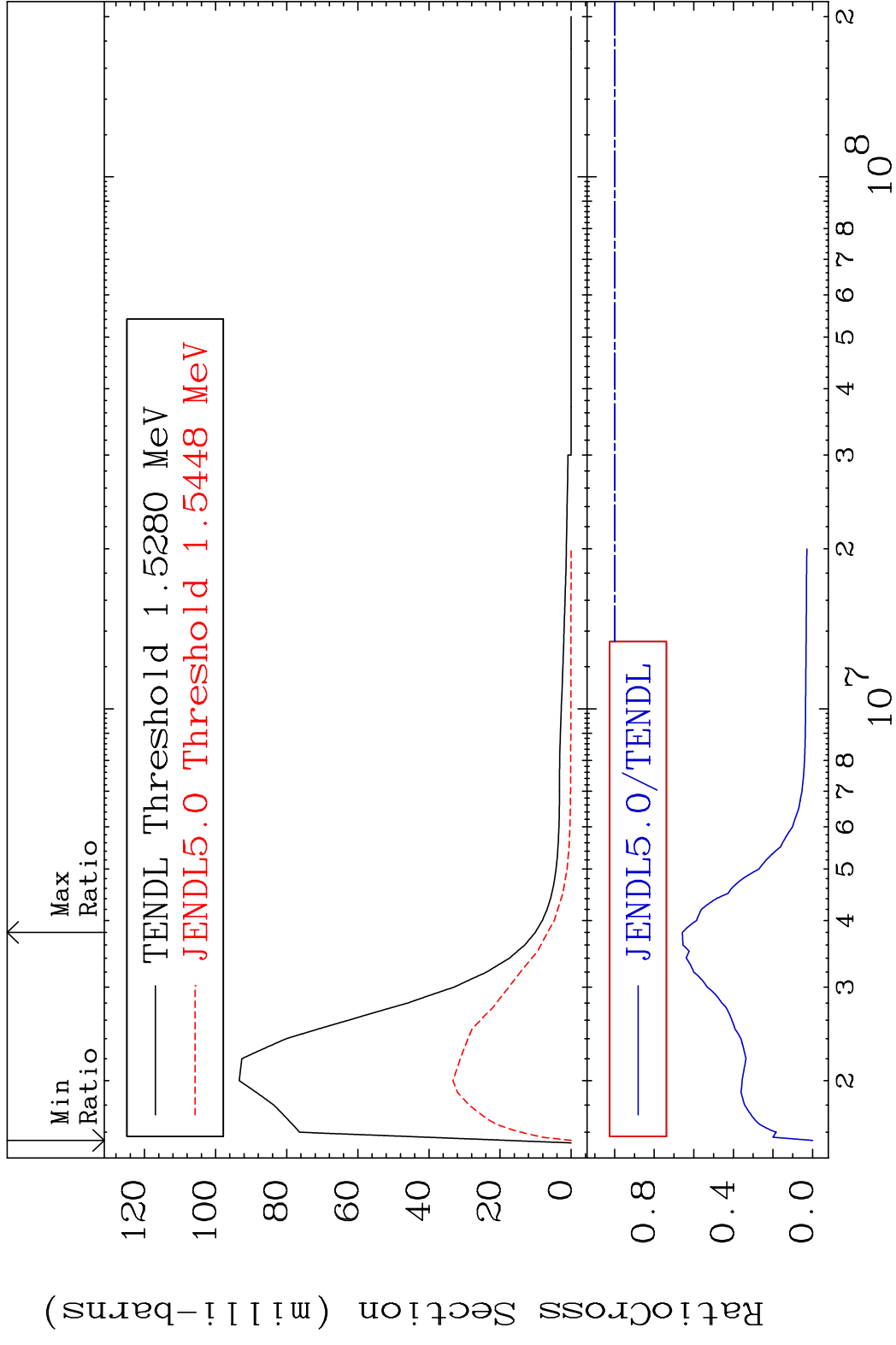
MAT 6637 MT= 72 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



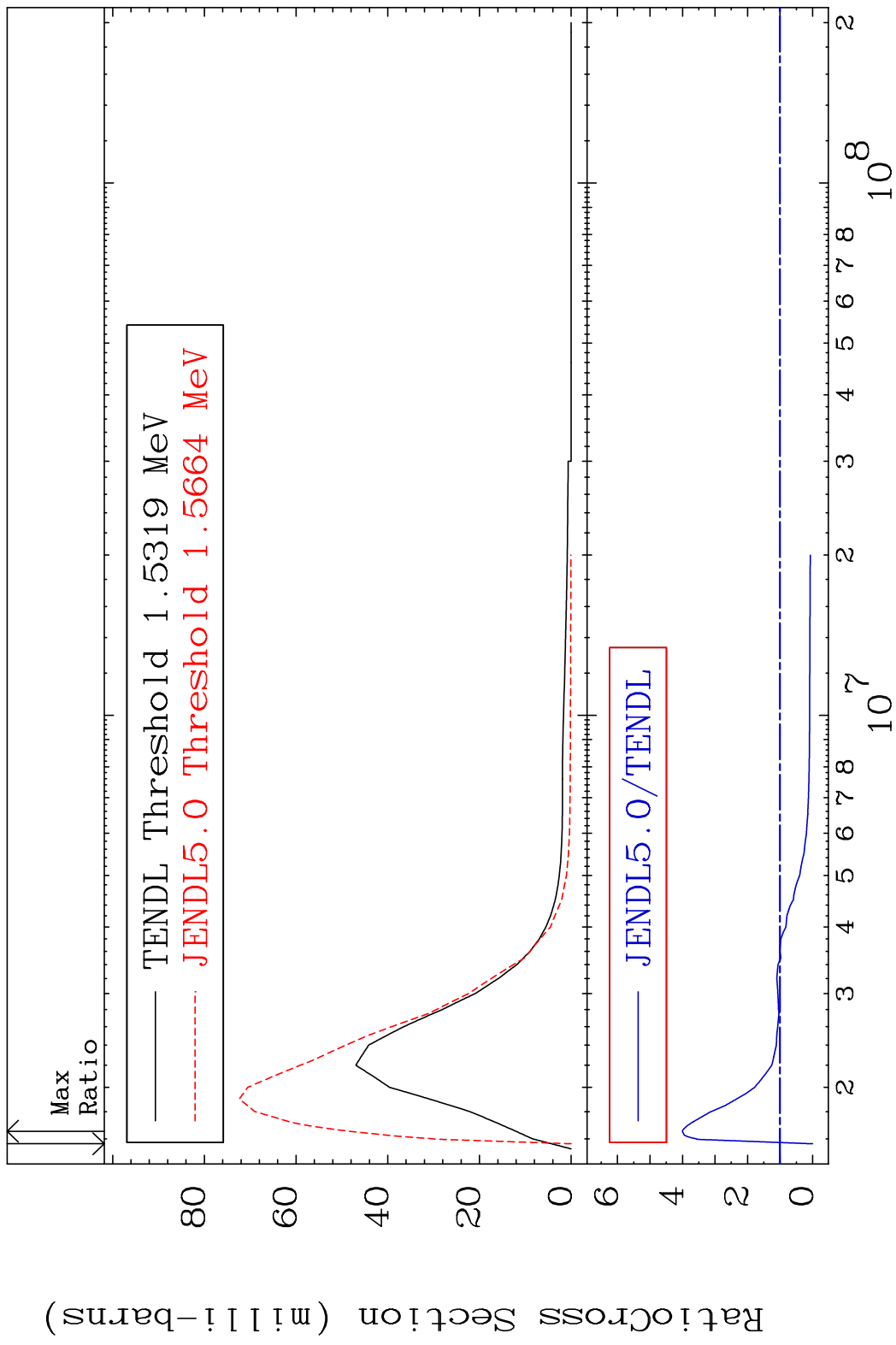
MAT 6637 MT= 73 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 68.42 %



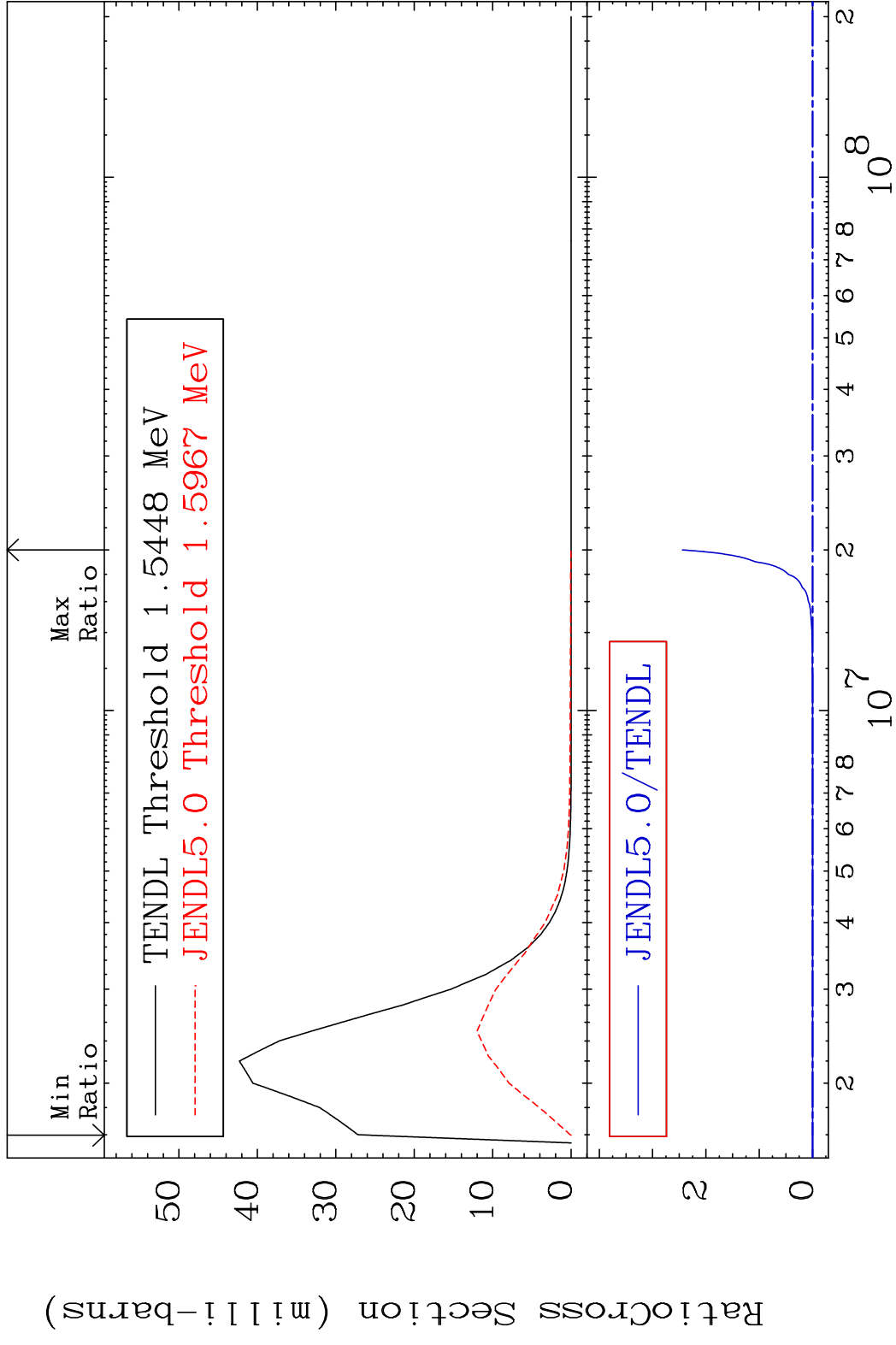
MAT 6637 MT= 74 (n,n') Level 66-Dy-160
 Cross Section -100.0 To -34.23%



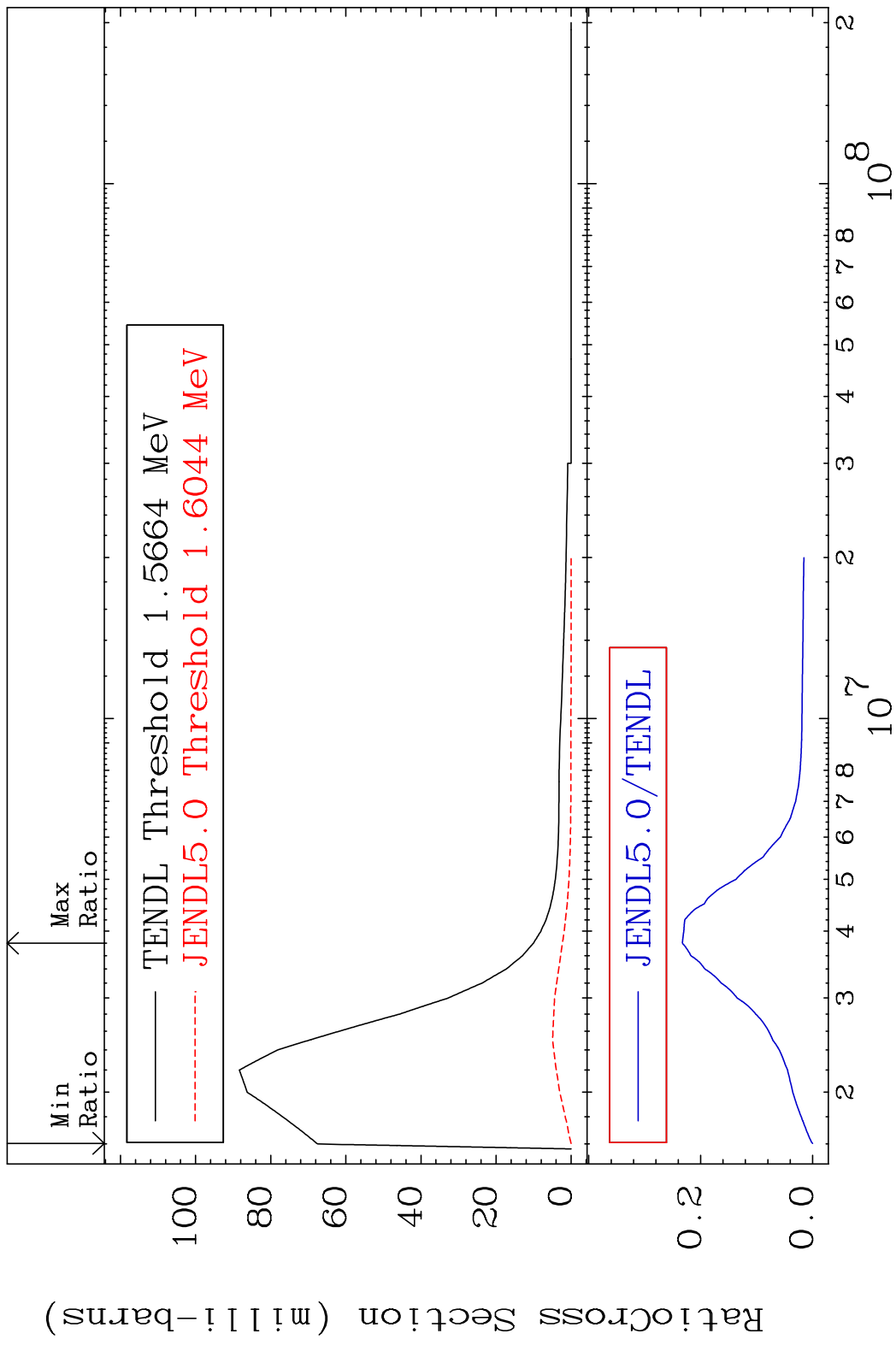
MAT 6637 MT= 75 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 300.5 %



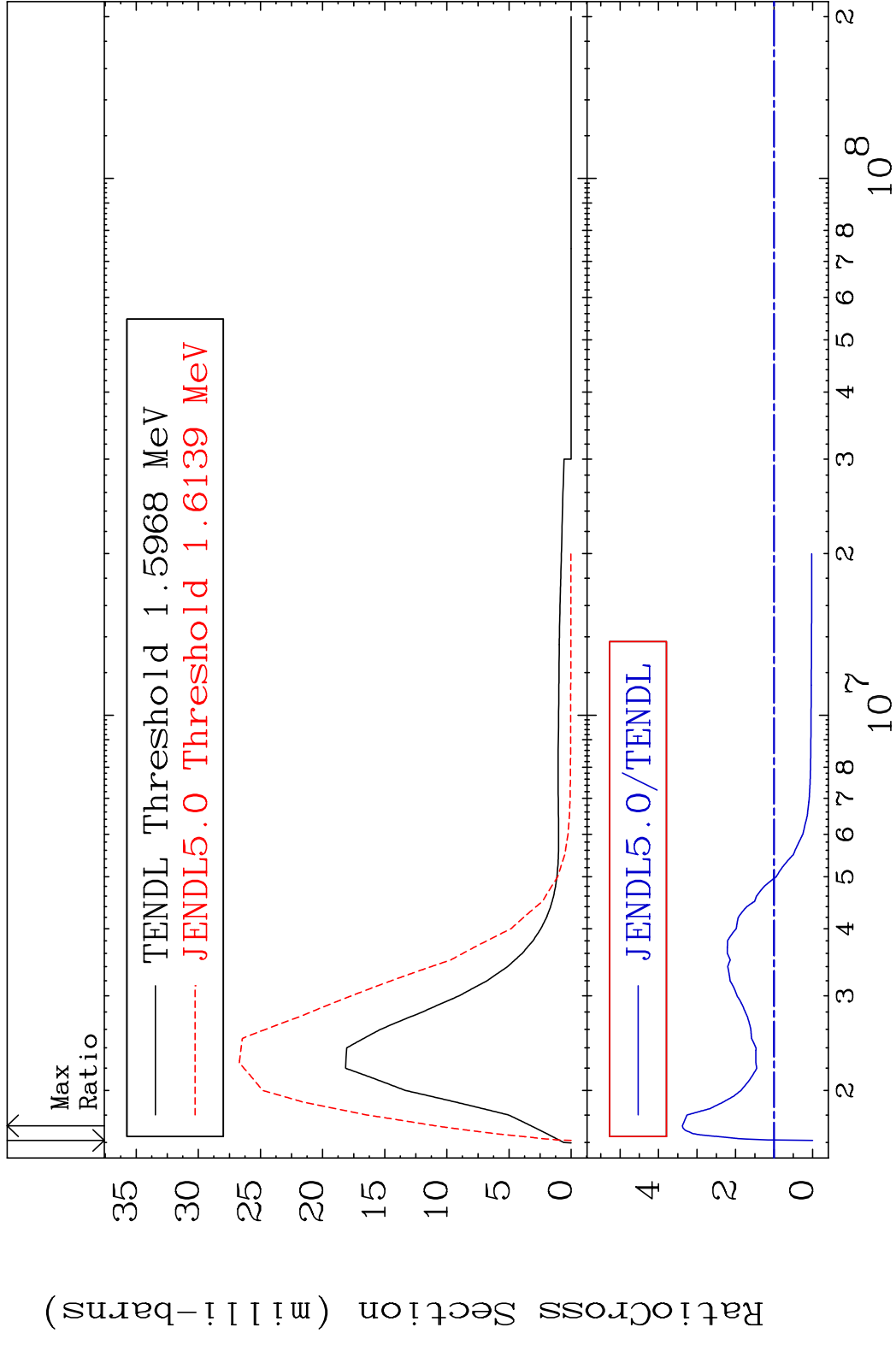
MAT 6637 MT= 76 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



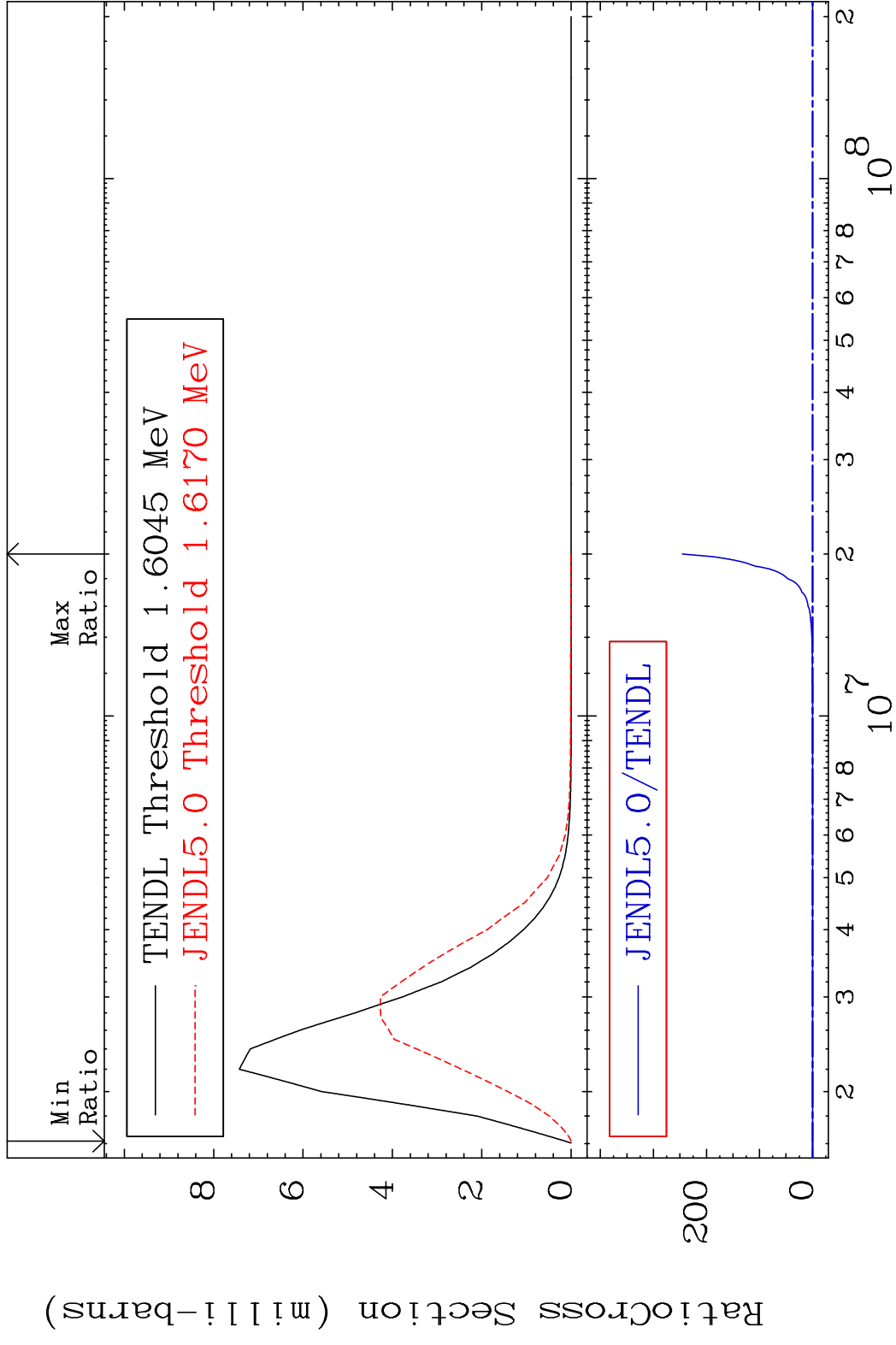
MAT 6637 MT= 77 (n,n') Level 66-Dy-160
 Cross Section -100.0 To -76.73%



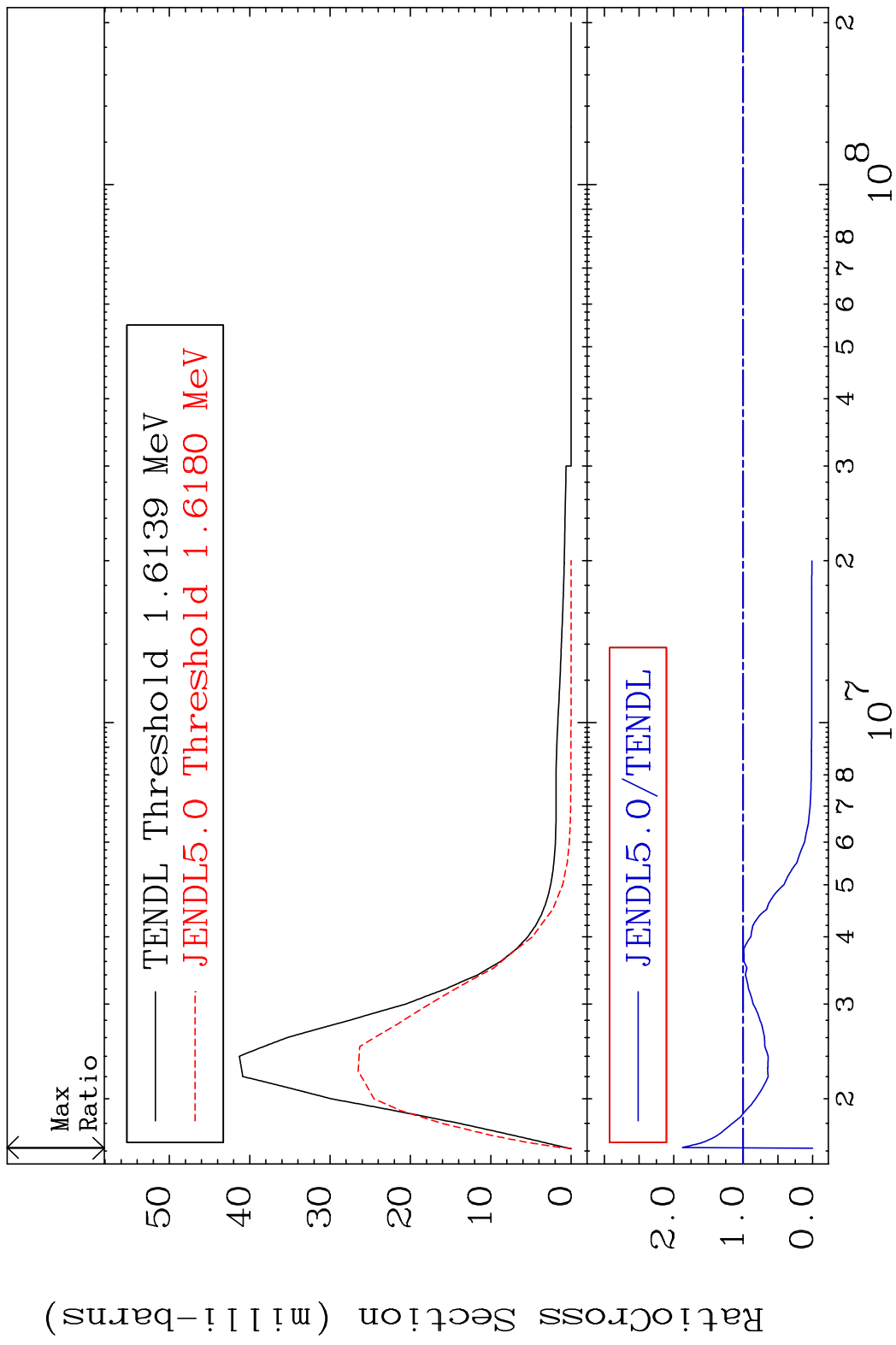
MAT 6637 MT= 78 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 238.2 %



MAT 6637 MT= 79 (n, n') Level 66-Dy-160
 Cross Section -100.0 To 9999. %



MAT 6637 MT= 80 (n,n') Level 66-Dy-160
 Cross Section -100.0 To 87.62 %

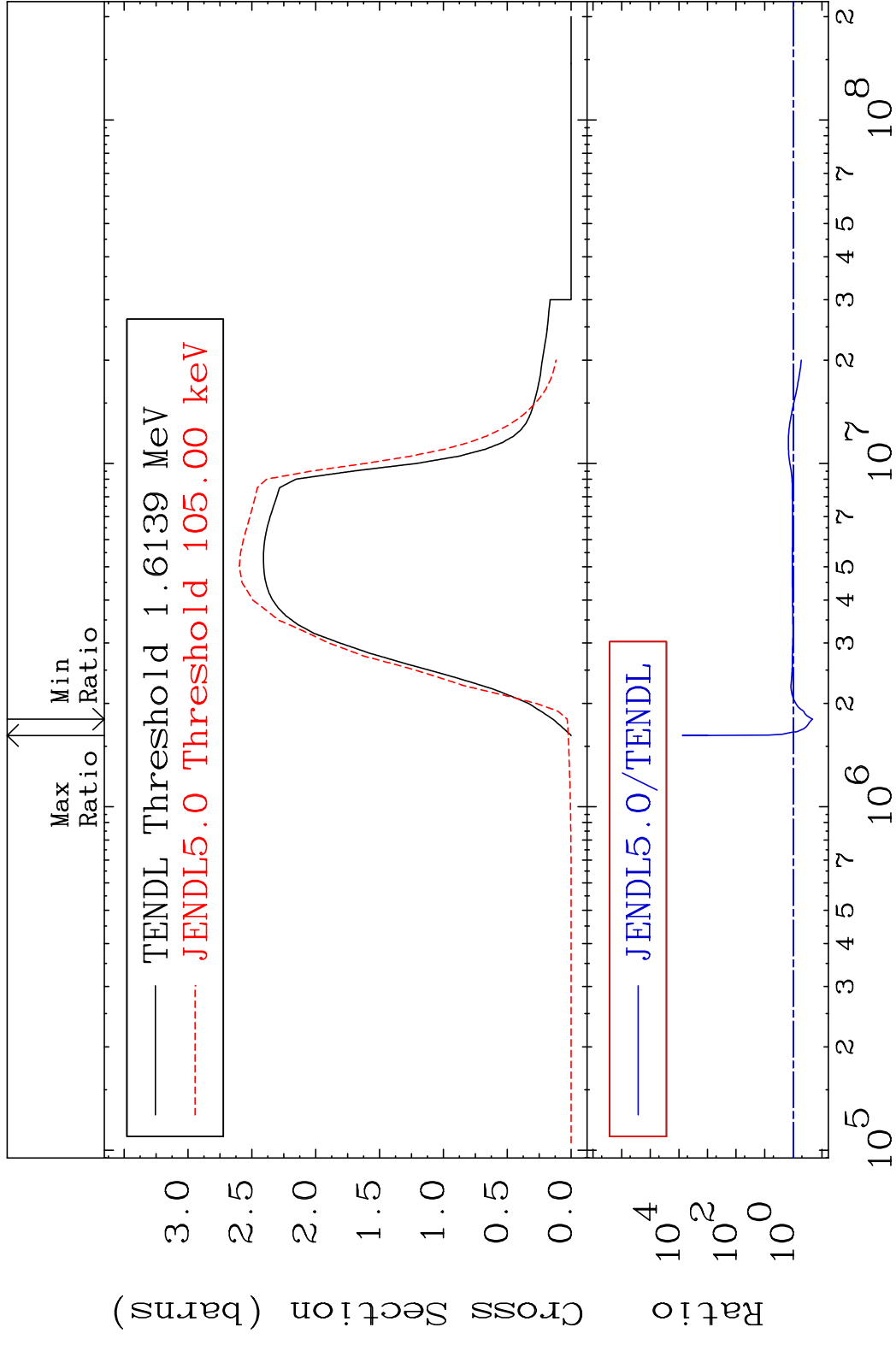


MAT 6637

(n,n') Continuum

66-Dy-160

Cross Section -78.79 To 9999. %



40

Incident Energy (eV)

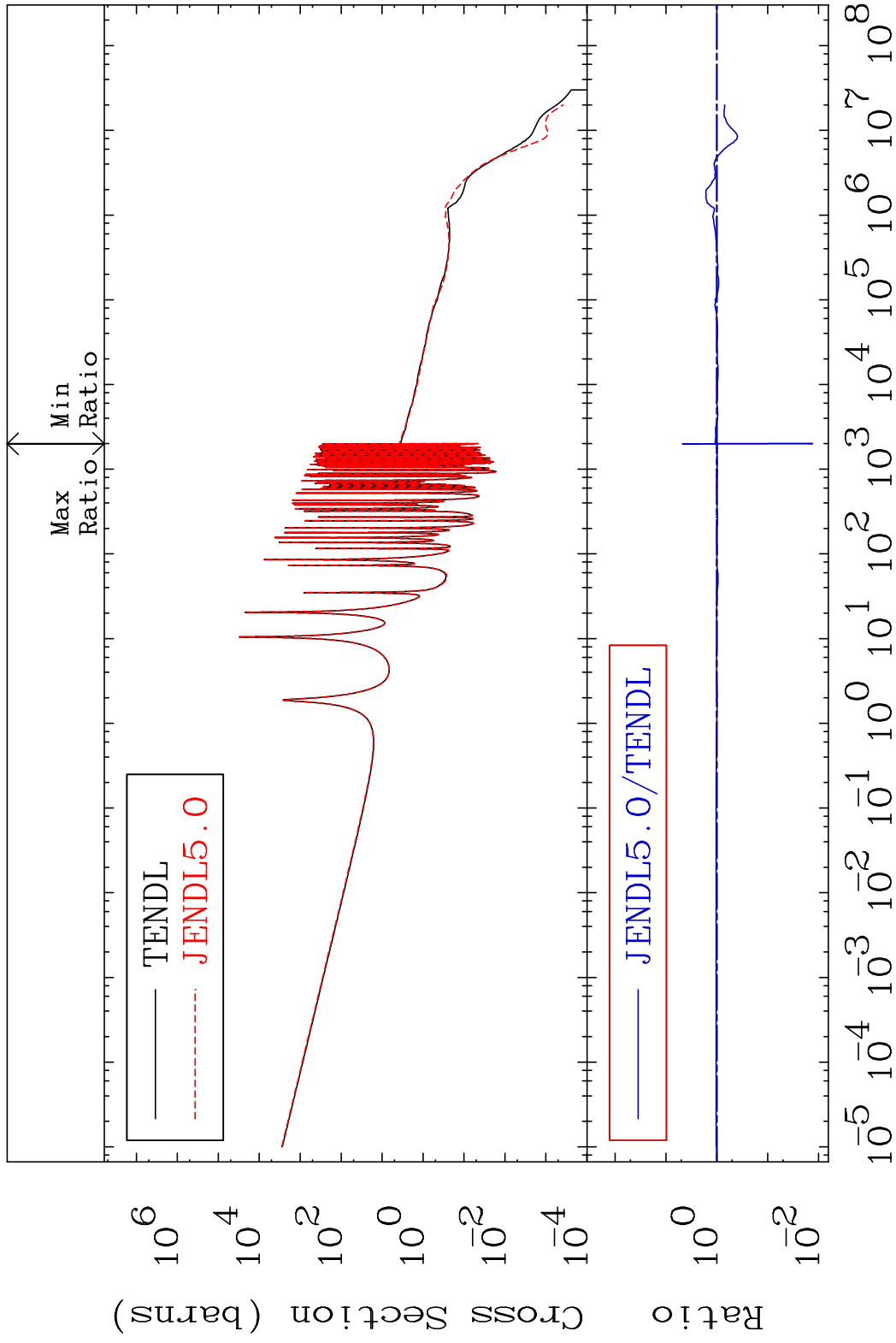
66-Dy-160

MAT 6637

(n, γ)

66-Dy-160

Cross Section -98.69 To 374.5 %



41

Incident Energy (eV)

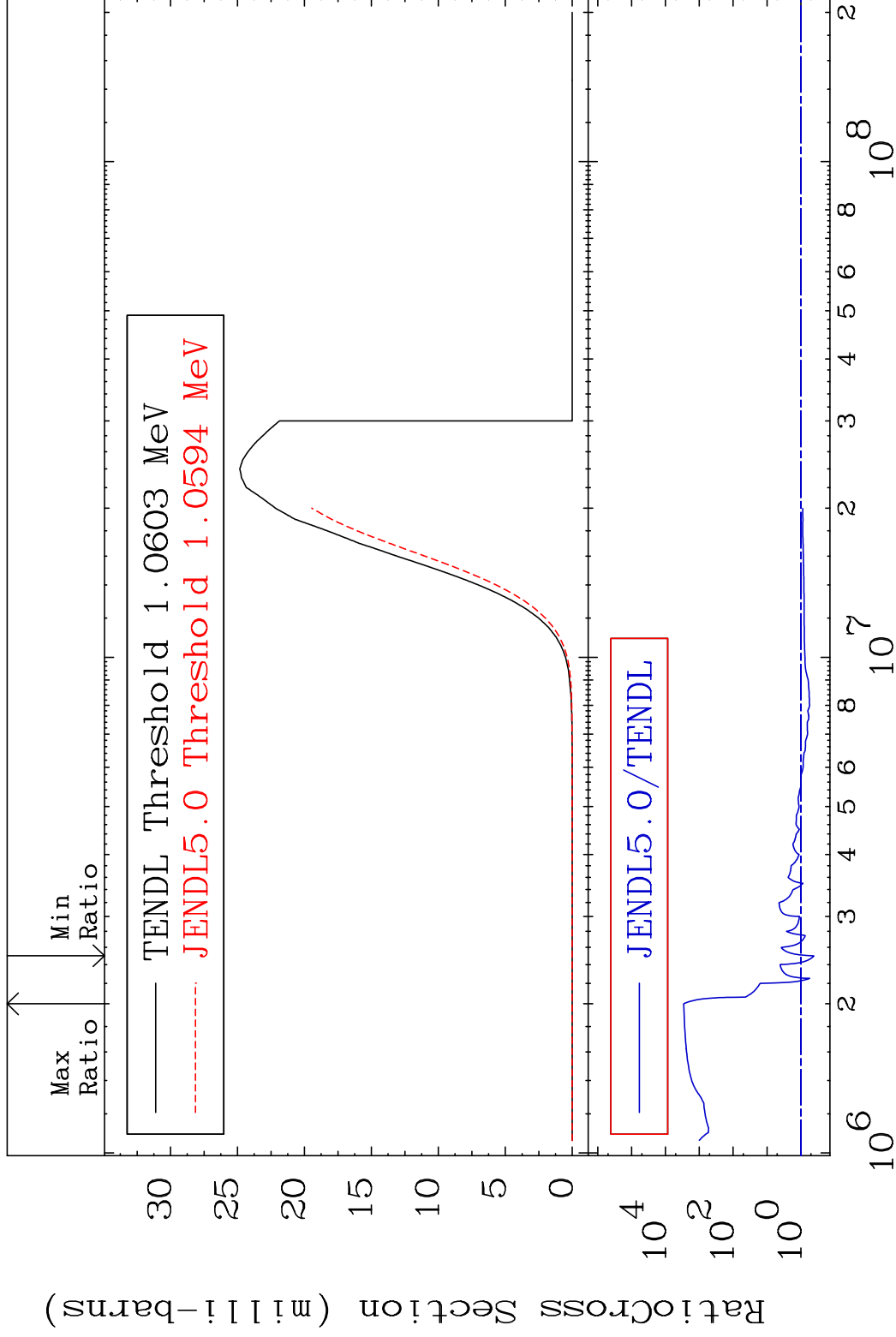
66-Dy-160

MAT 6637

(n,p)

66-Dy-160

Cross Section -59.52 To 9999. %



42

Incident Energy (eV)

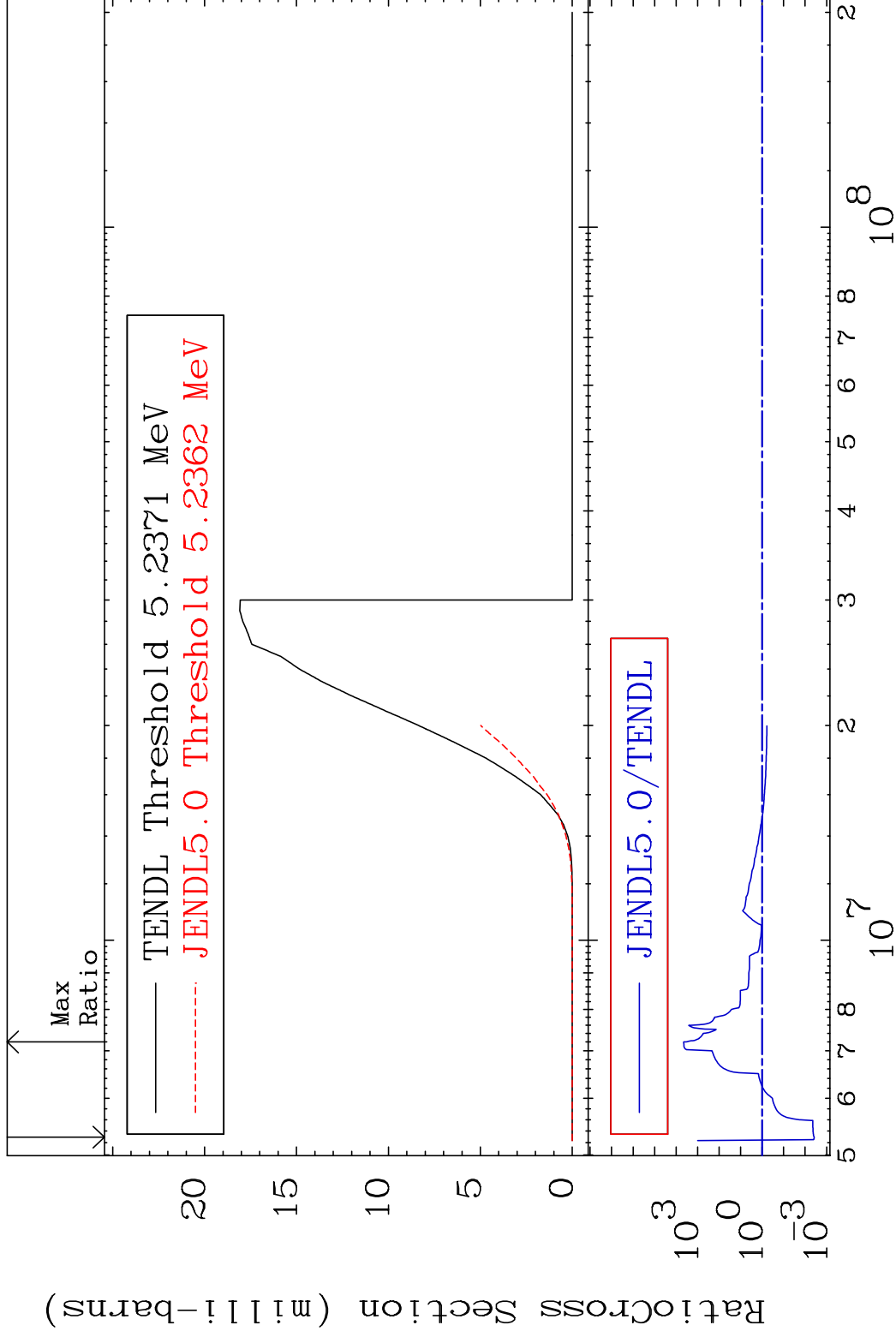
66-Dy-160

MAT 6637

(n, d)

66-Dy-160

Cross Section -99.62 To 9999. %



43

Incident Energy (eV)

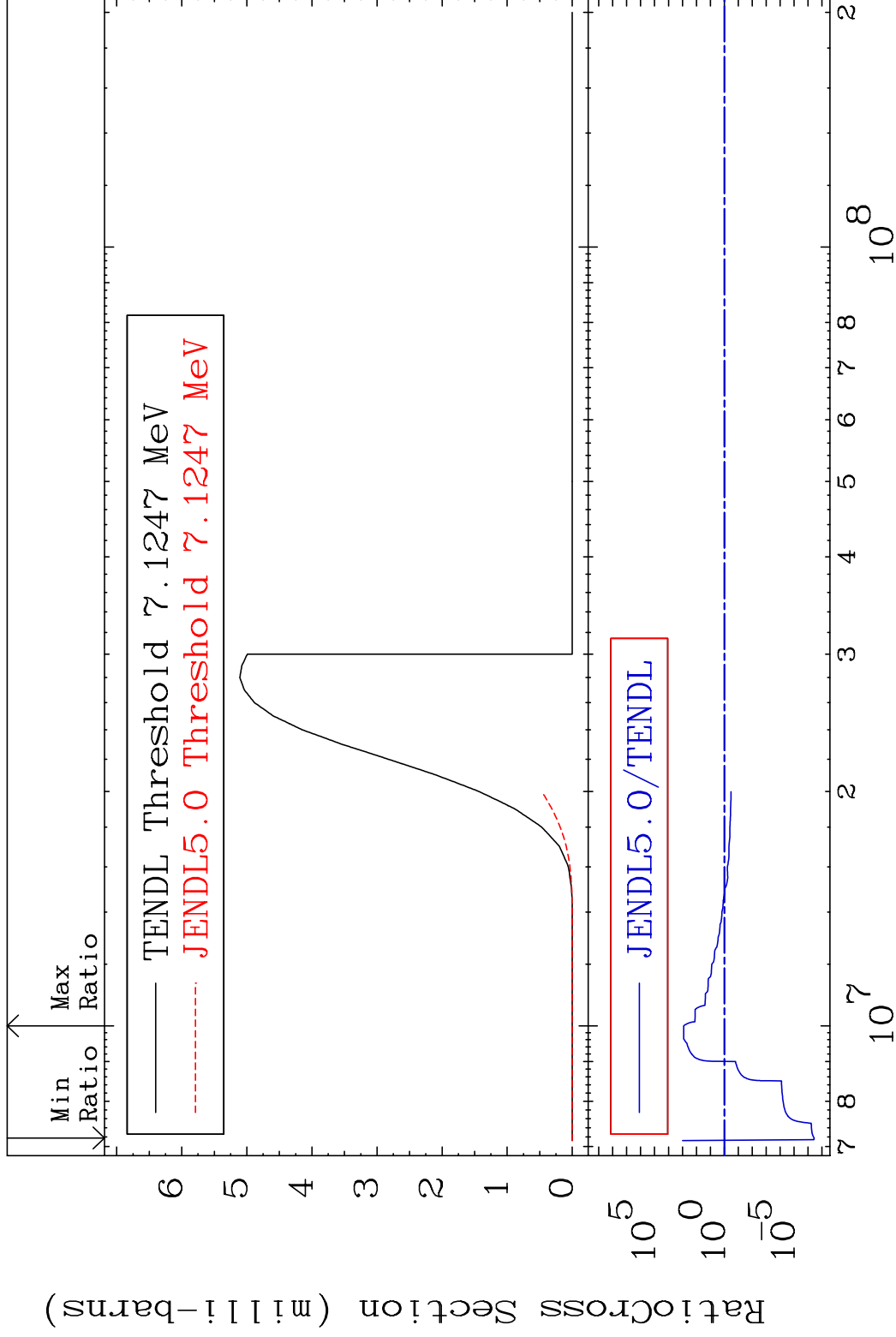
66-Dy-160

MAT 6637

(n, t)

66-Dy-160

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

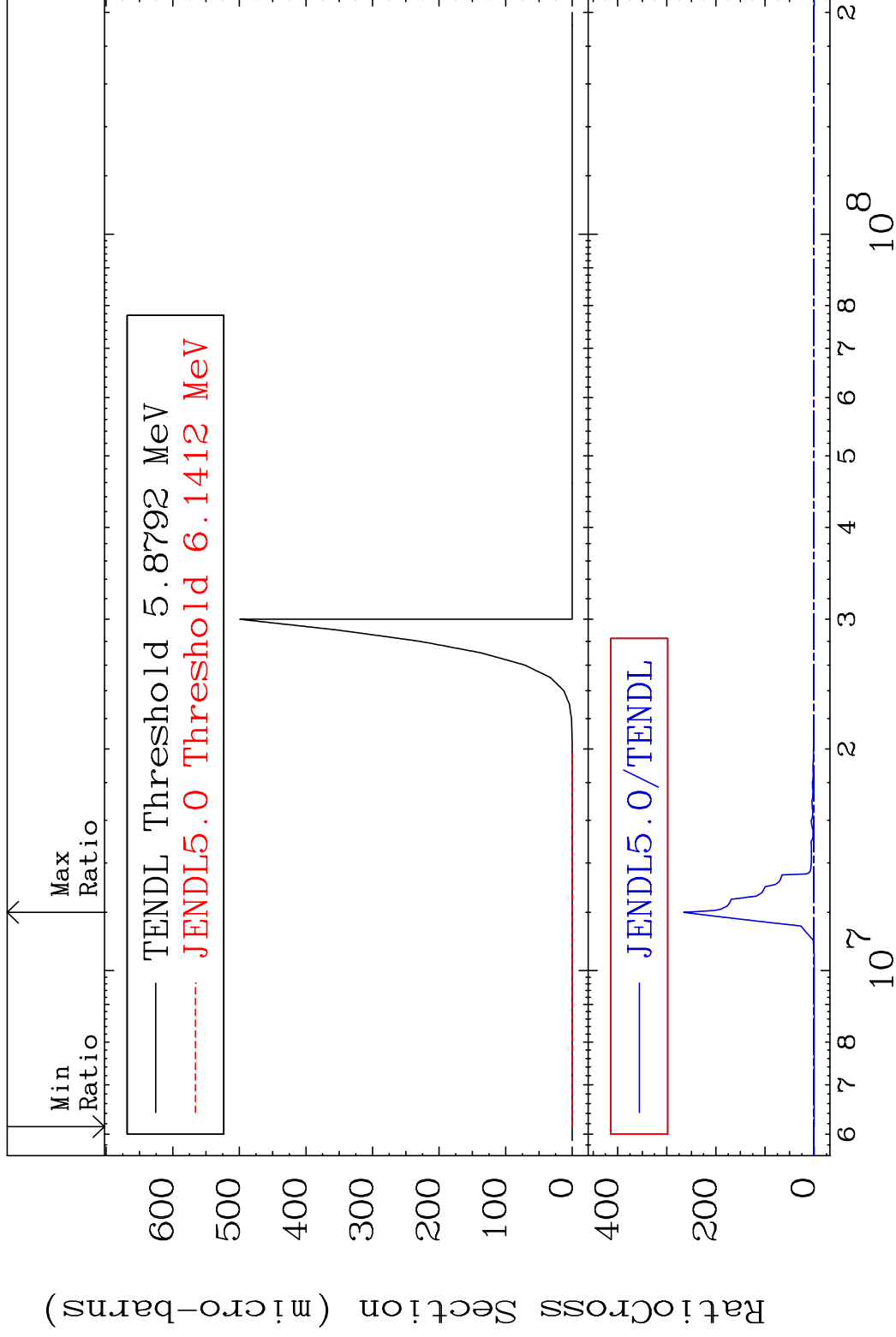
66-Dy-160

MAT 6637

(n, He-3)

66-Dy-160

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

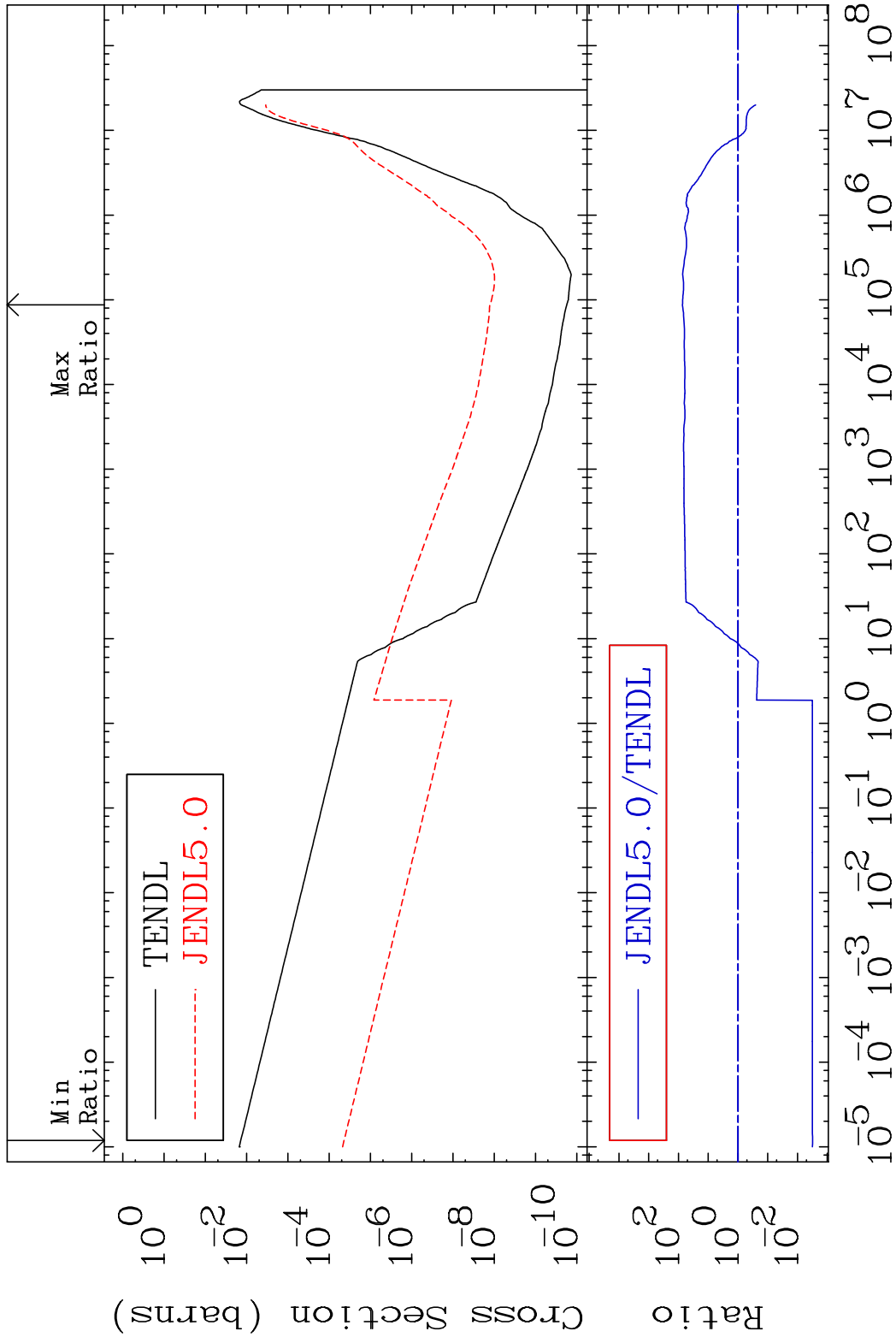
66-Dy-160

MAT 6637

(n, α)

66-Dy-160

Cross Section -99.69 To 7280. %



46

Incident Energy (eV)

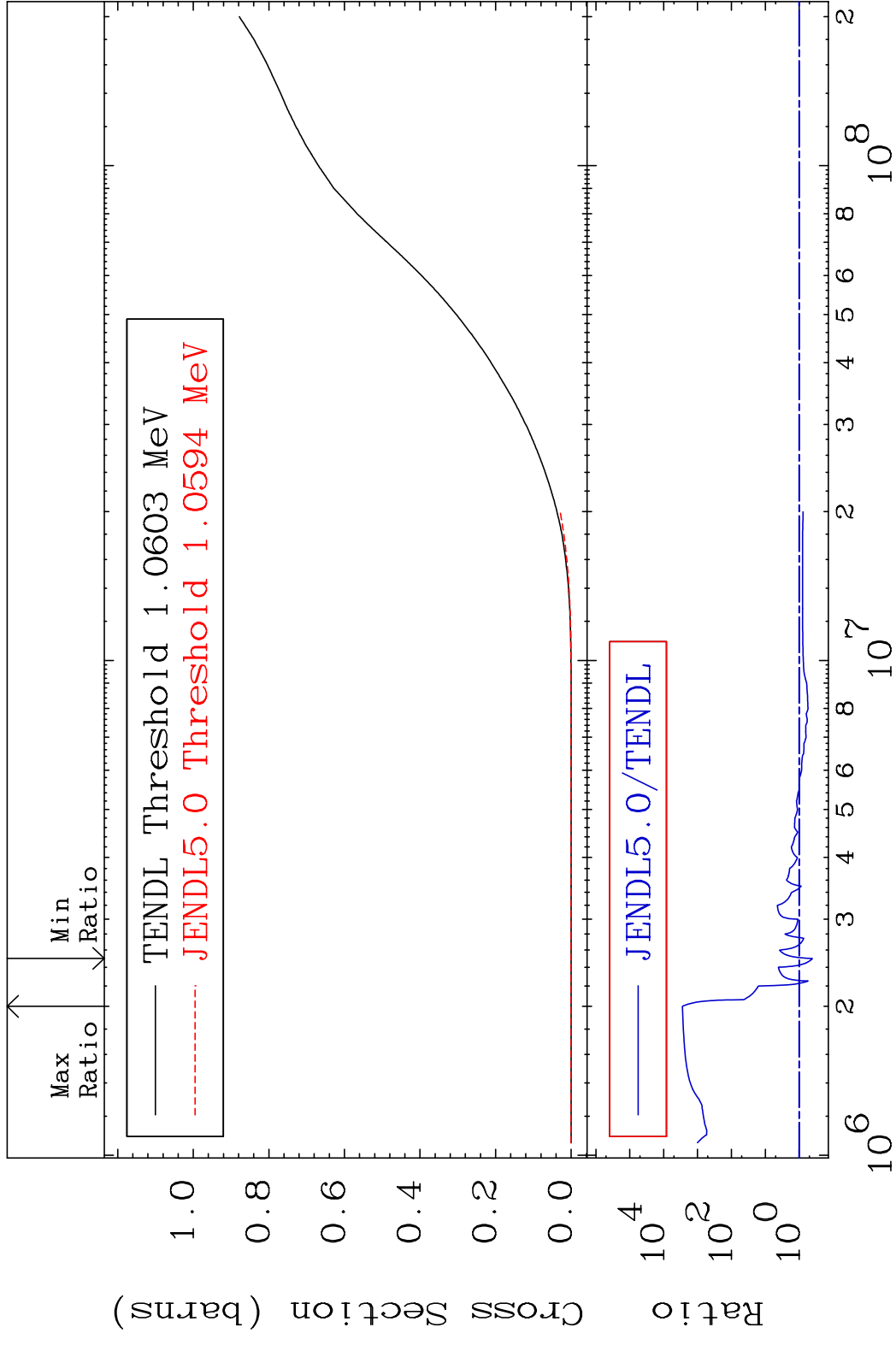
66-Dy-160

MAT 6637

Hydrogen Production

66-Dy-160

Cross Section -59.52 To 9999. %



47

Incident Energy (eV)

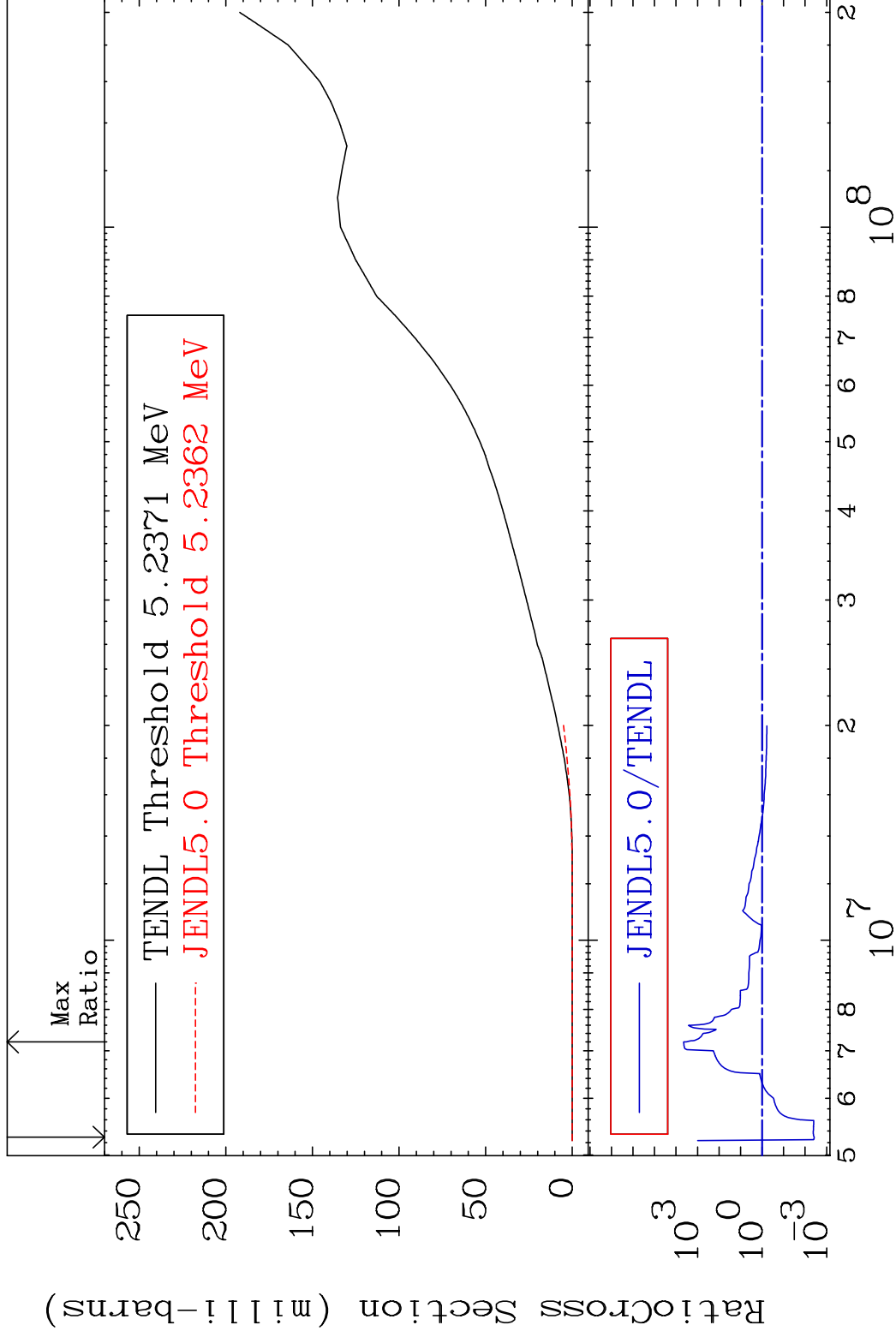
66-Dy-160

MAT 6637

Deuterium Production

66-Dy-160

Cross Section -99.62 To 9999. %



48

Incident Energy (eV)

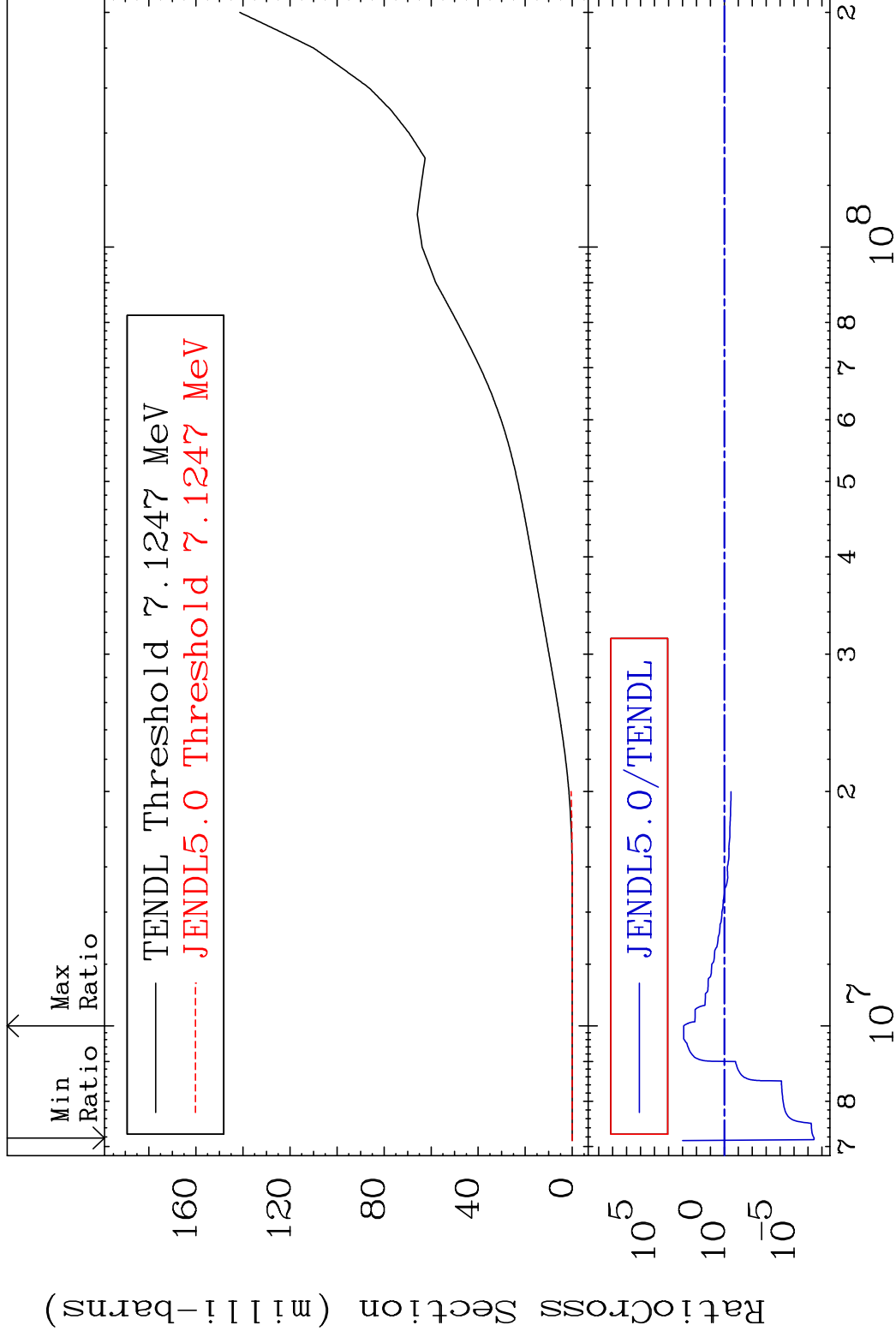
66-Dy-160

MAT 6637

Tritium Production

66-Dy-160

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

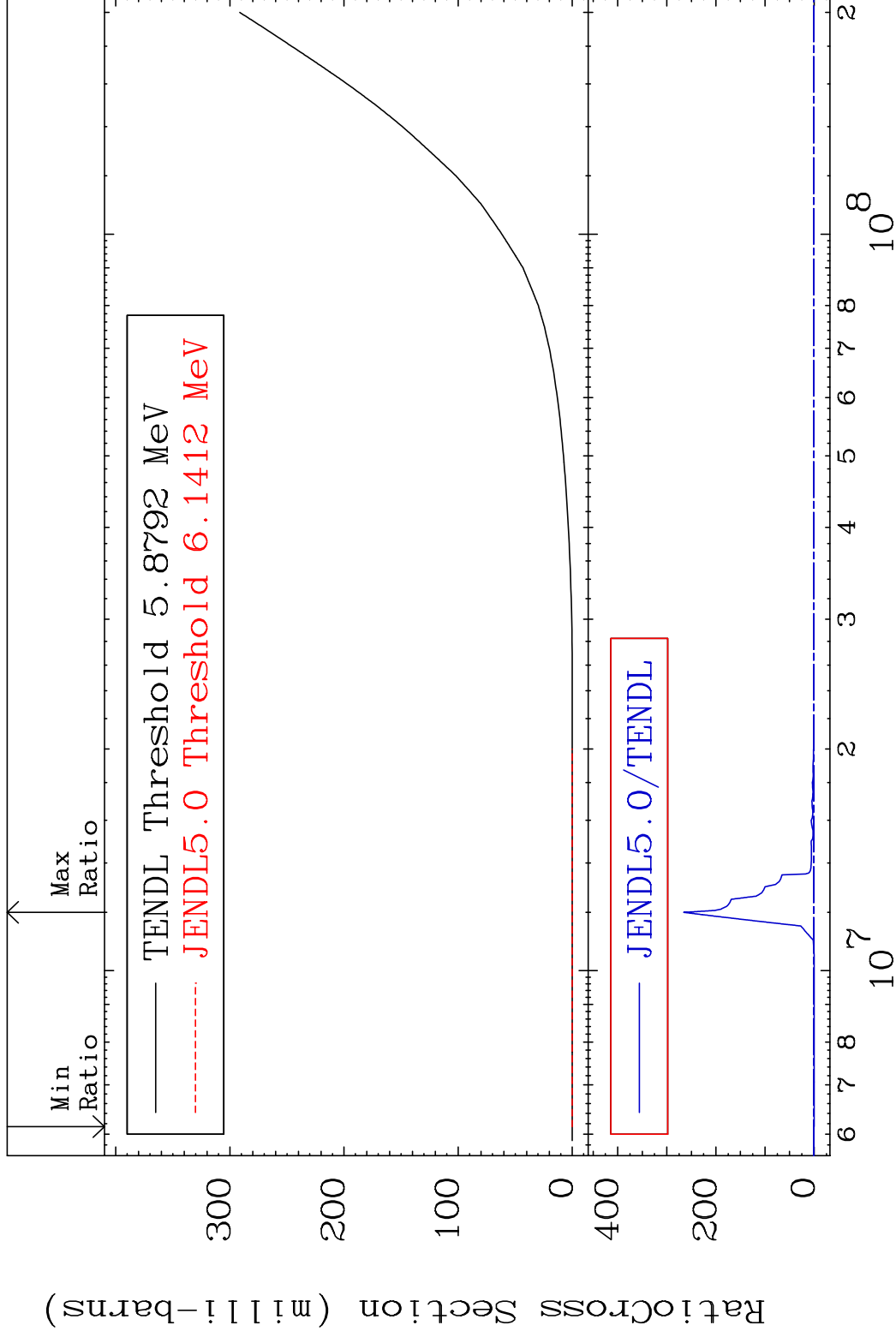
66-Dy-160

MAT 6637

He-3 Production

66-Dy-160

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

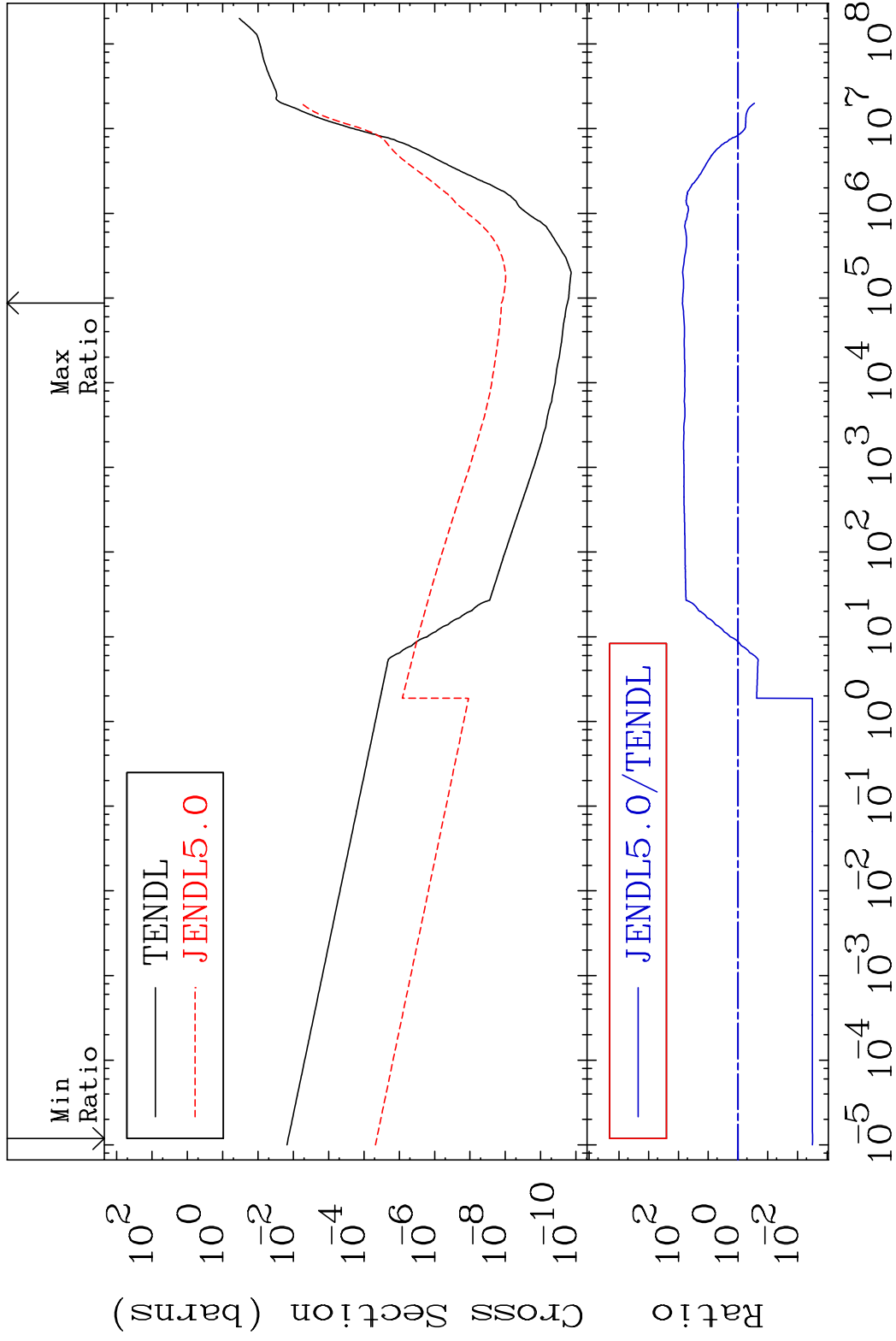
66-Dy-160

MAT 6637

He-4 Production

66-Dy-160

Cross Section -99.69 To 7280. %

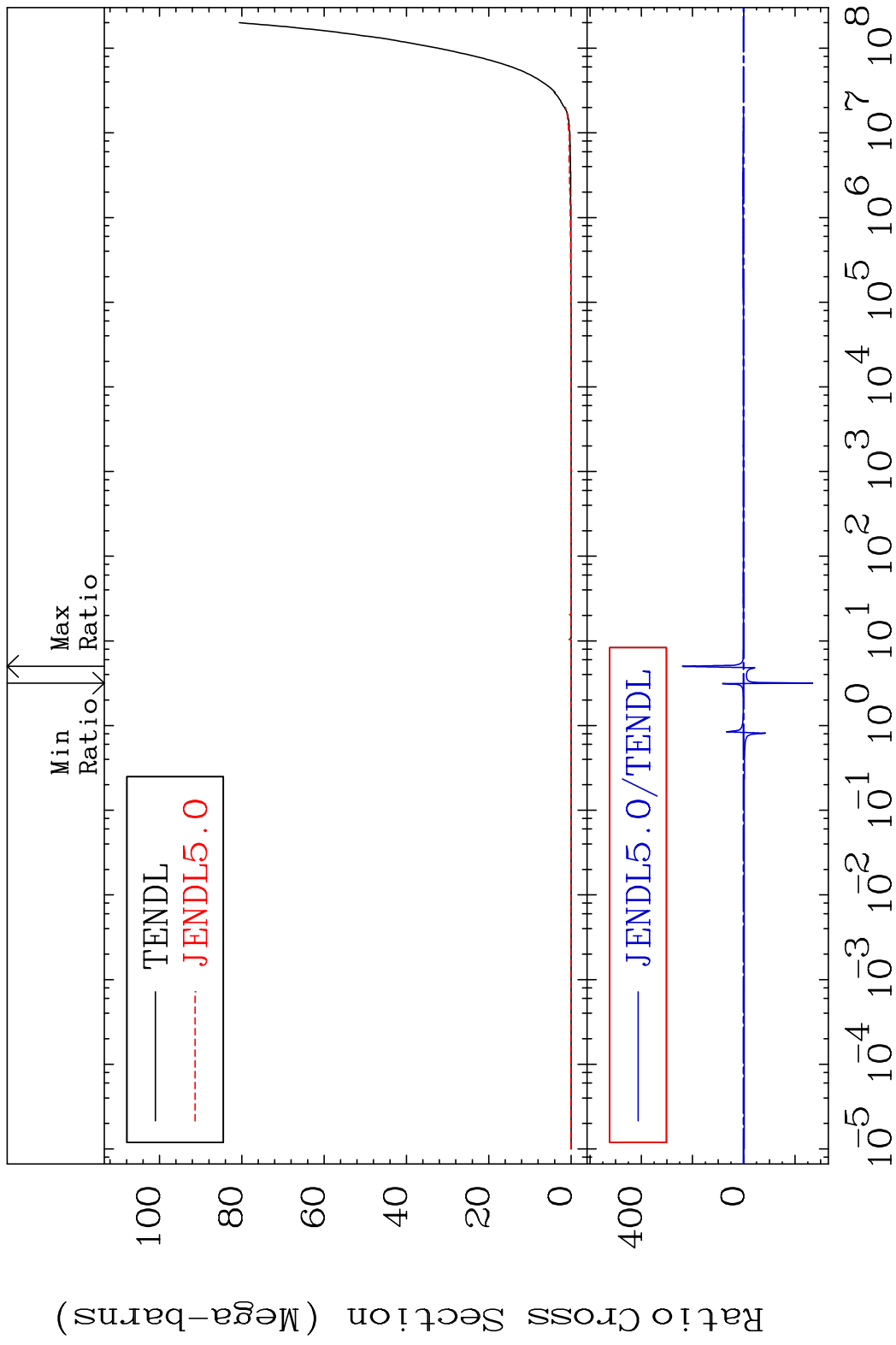


51

Incident Energy (eV)

66-Dy-160

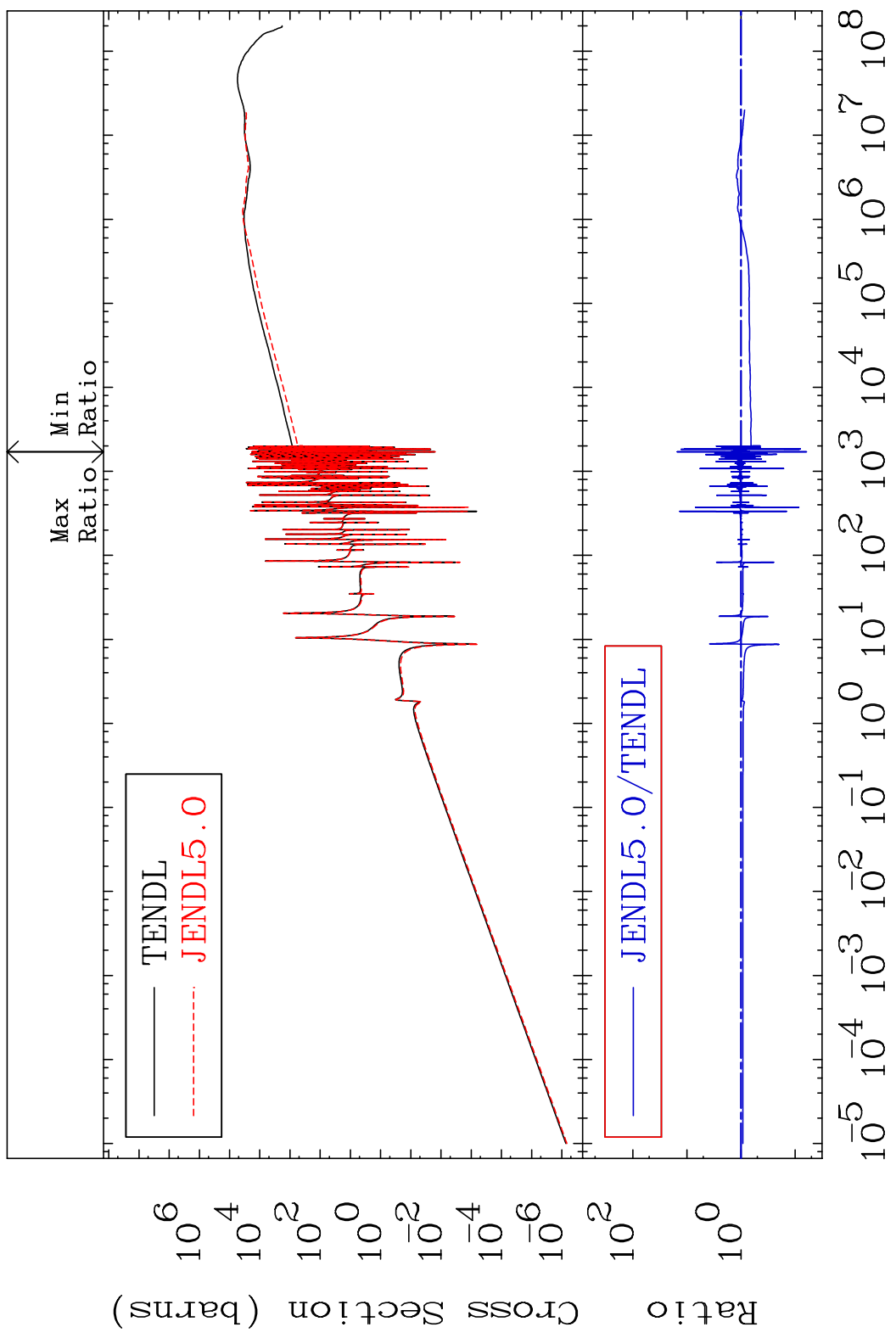
MAT 6637 Kerma total (eV-barns) 66-Dy-160
 Cross Section -9999. To 9999. %



52 Incident Energy (eV) 66-Dy-160

MAT 6637

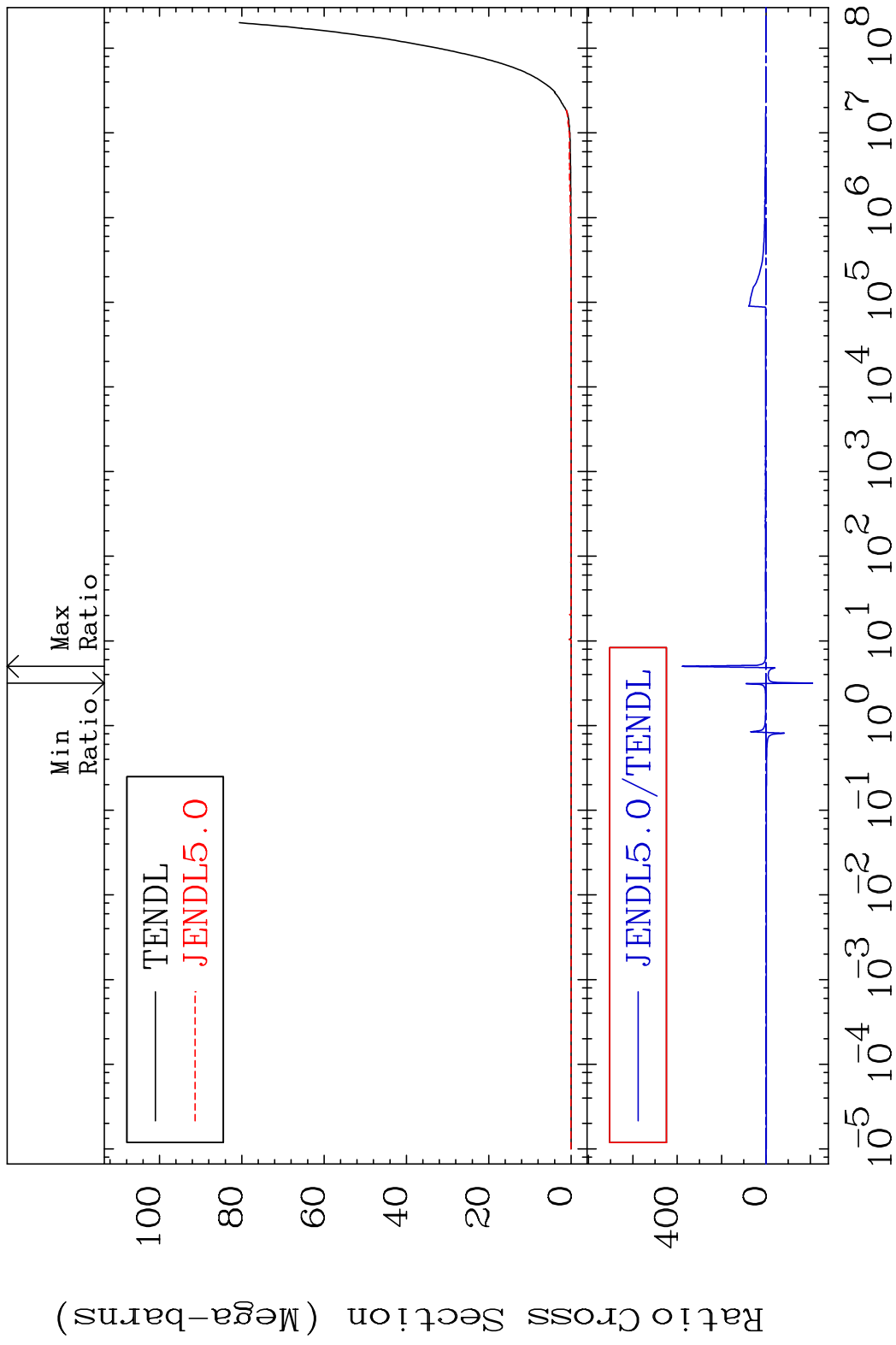
Kerma elastic Cross Section -93.78 To 1420. %
66-Dy-160



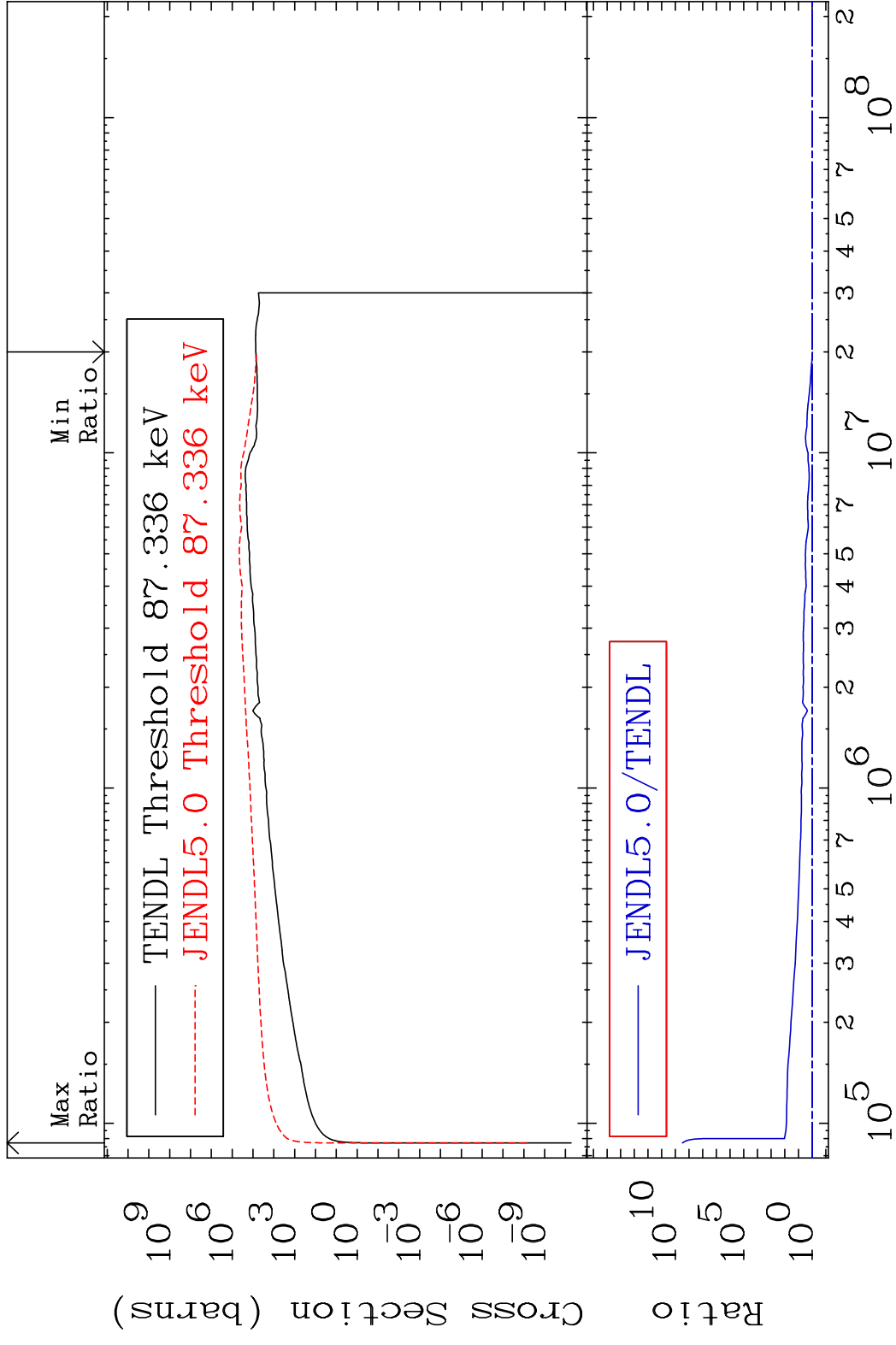
53

Incident Energy (eV) 66-Dy-160

MAT 6637 Kerma non-elastic (all but mt2) 66-Dy-160
 Cross Section -9999. To 9999. %

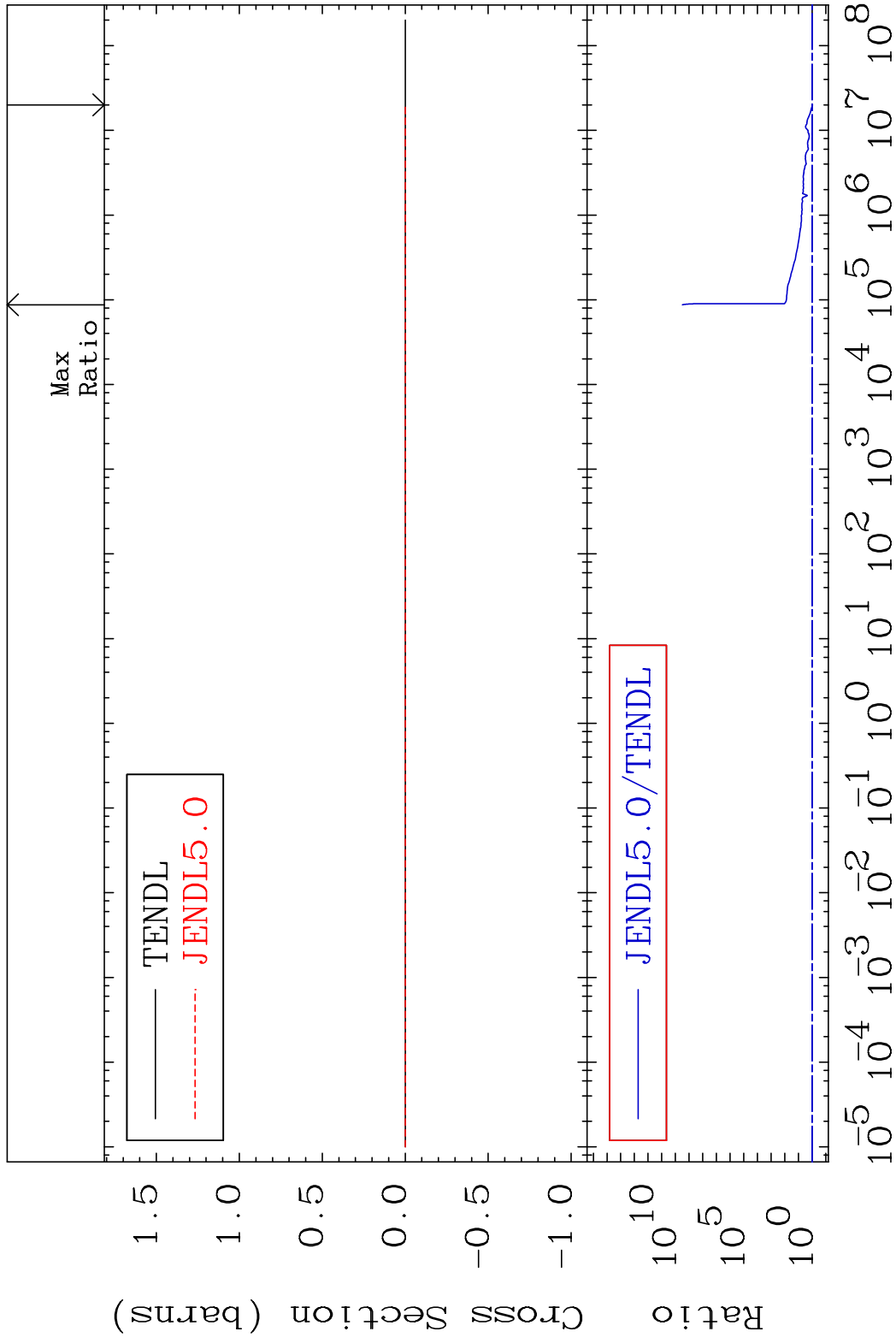


MAT 6637 Kerma inelastic (mt51-91) 66-Dy-160
 Cross Section -7.877 To 9999. %



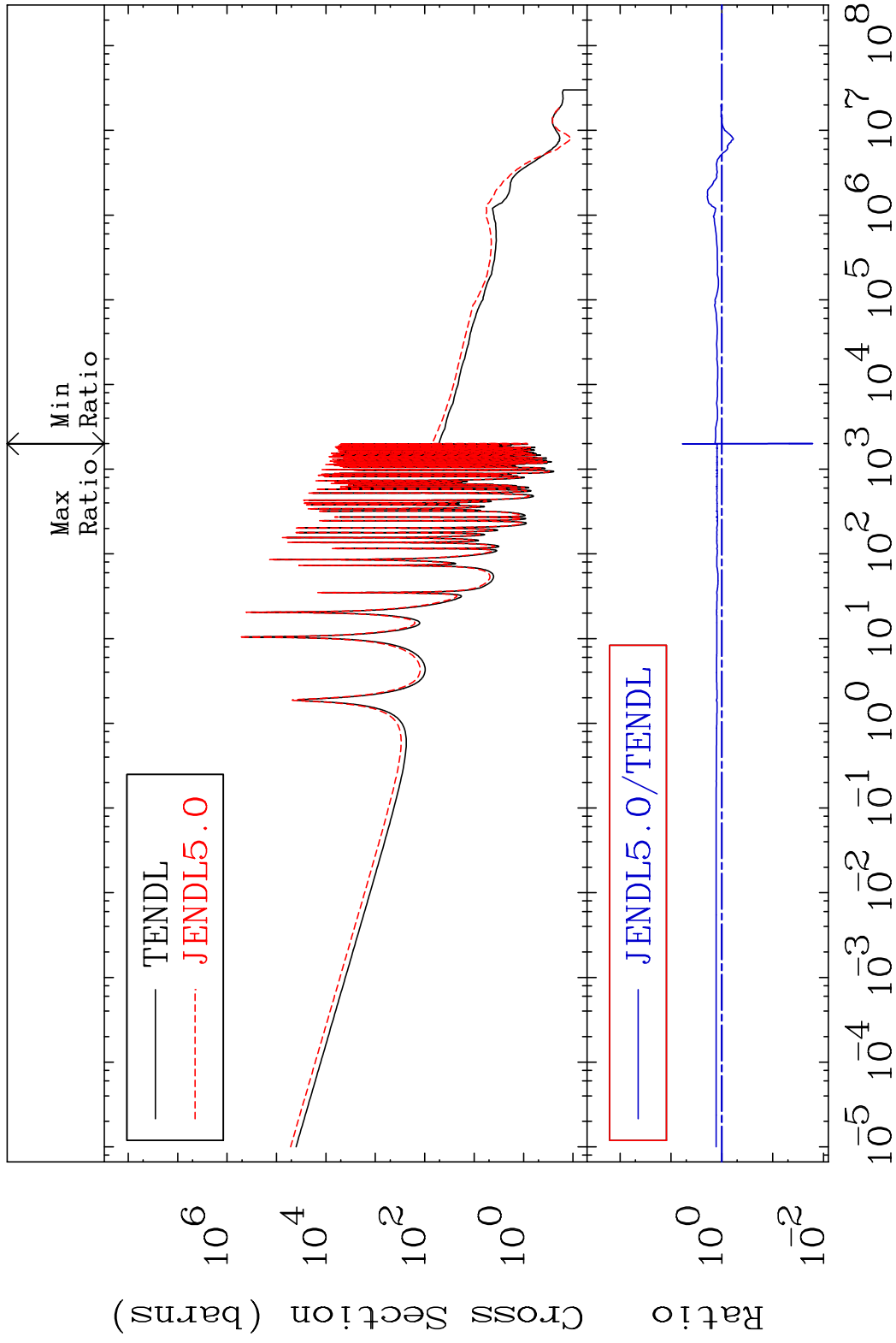
55 Incident Energy (eV) 66-Dy-160

MAT 6637 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-160
 Cross Section -7.877 To 9999. %



MAT 6637

Kerma capture (mt102) 66-Dy-160
Cross Section -98.36 To 495.5 %



57

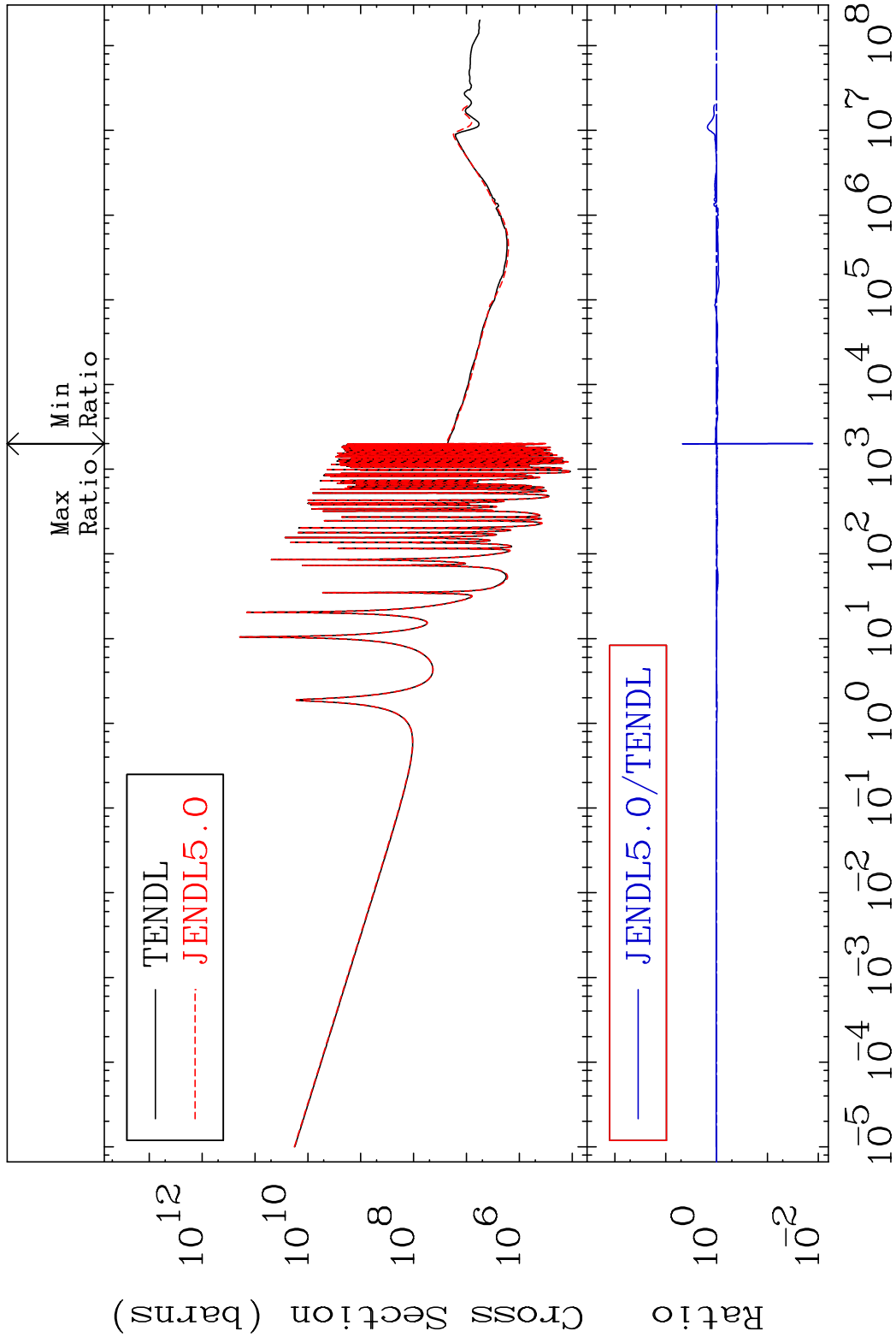
Incident Energy (eV) 66-Dy-160

MAT 6637

Total photon (eV-barns)

66-Dy-160

Cross Section -98.70 To 370.8 %

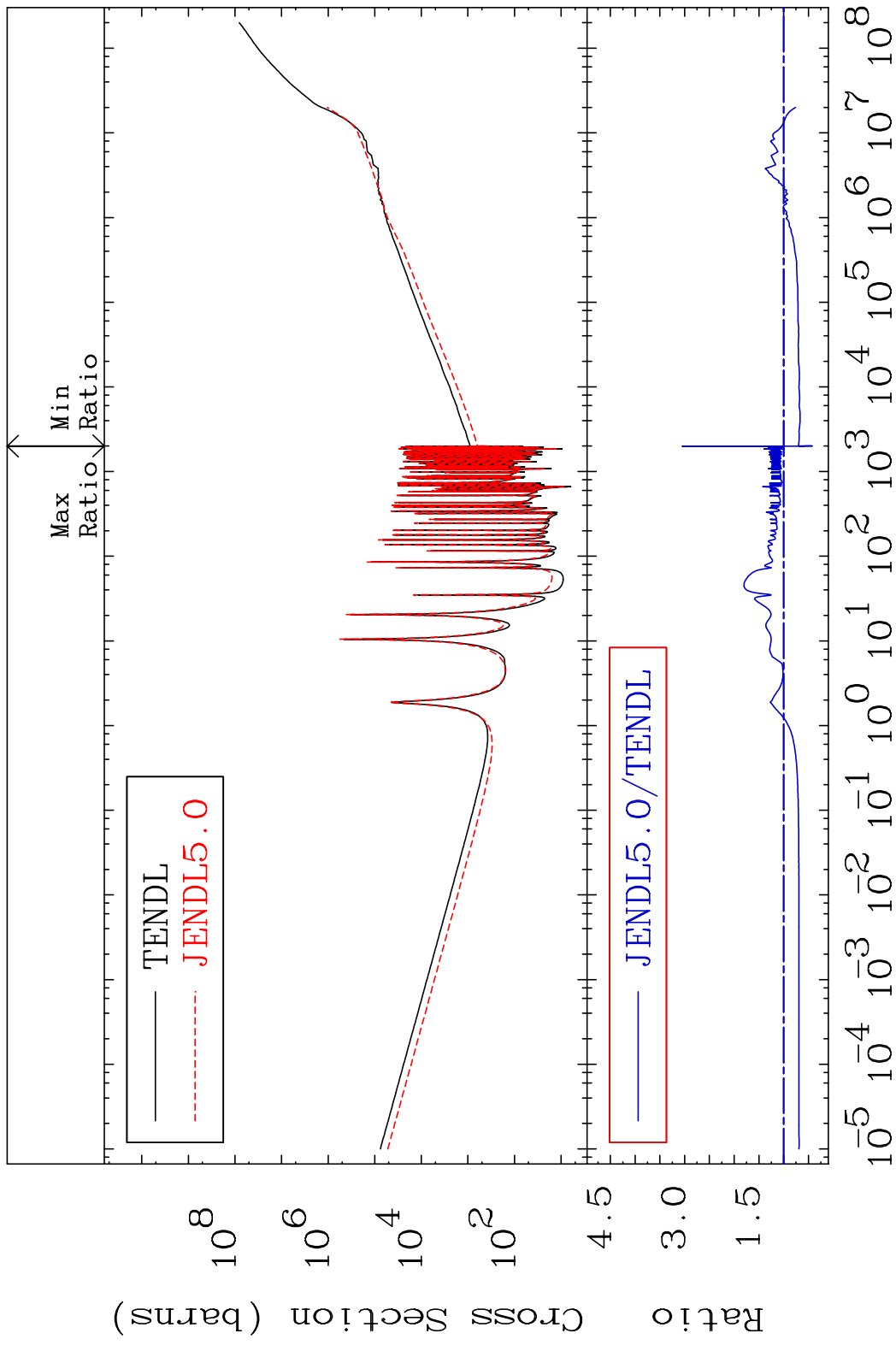


58

Incident Energy (eV)

66-Dy-160

MAT 6637 Total kinematic kerma (high limit) 66-Dy-160
Cross Section -58.38 To 204.6 %

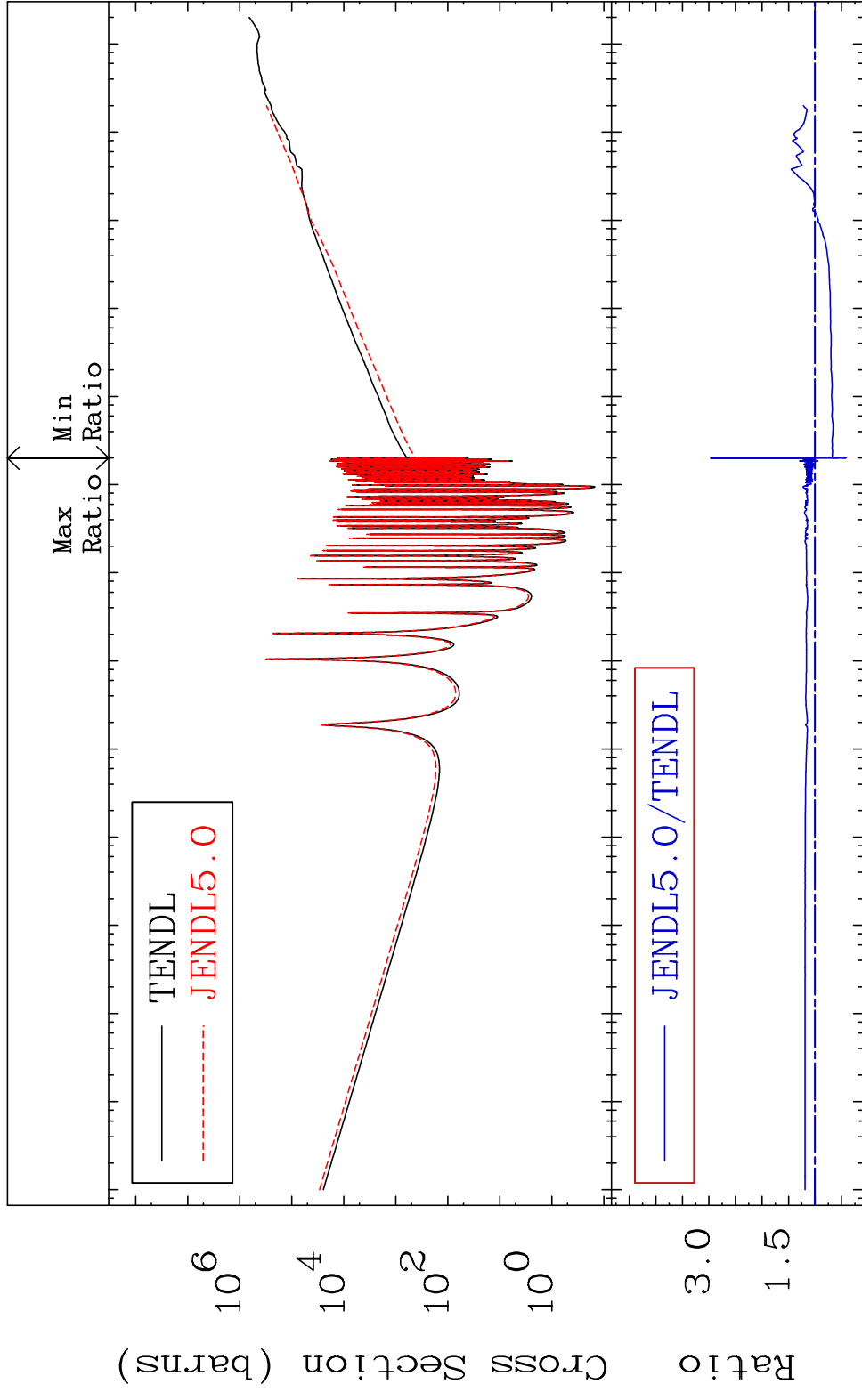


MAT 6637

Dpa total (eV-barns)

66-Dy-160

Cross Section -58.82 To 196.7 %



60

Incident Energy (eV)

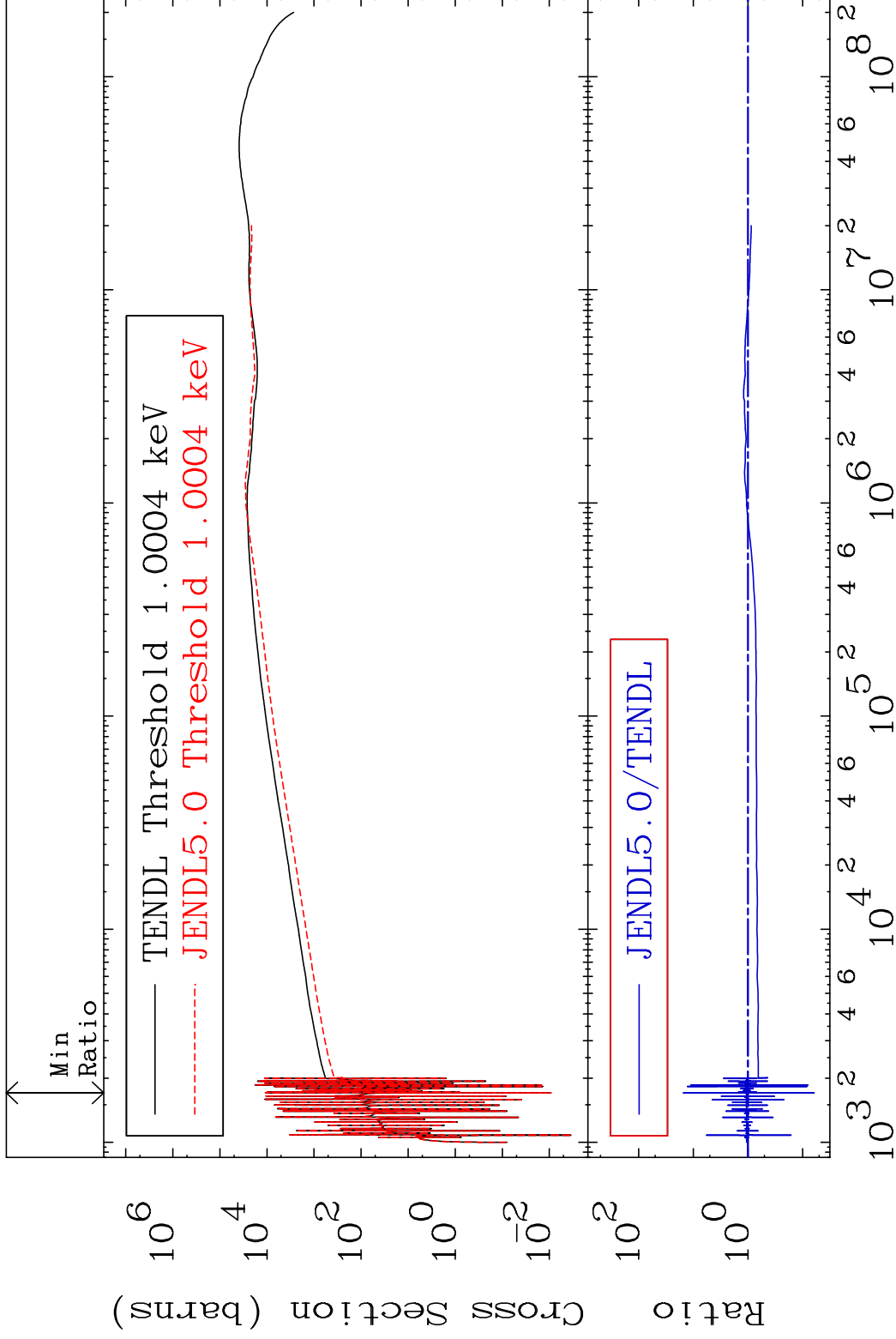
66-Dy-160

MAT 6637

Dpa elastic (mt2)

66-Dy-160

Cross Section -93.79 To 1420. %

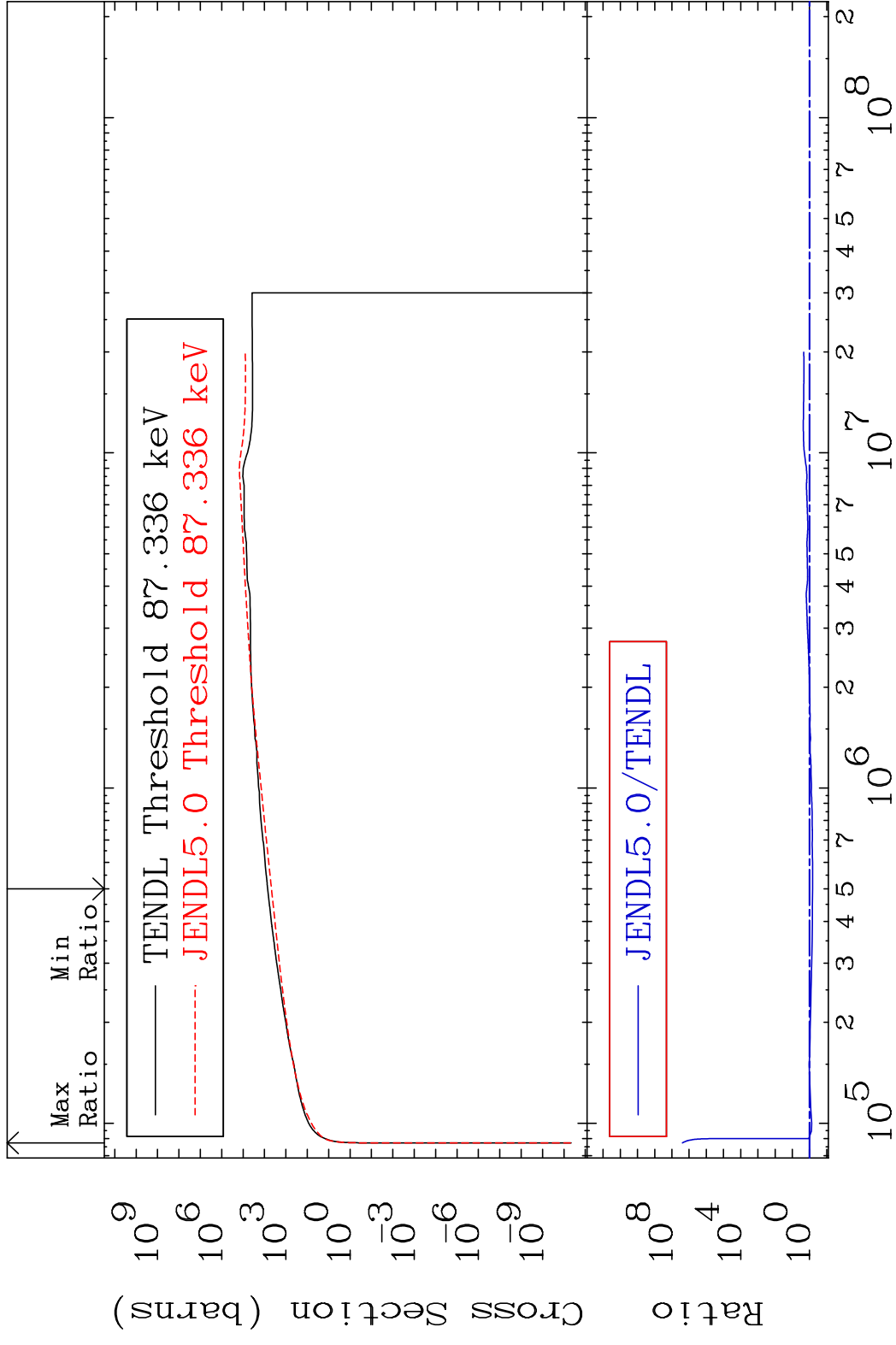


61

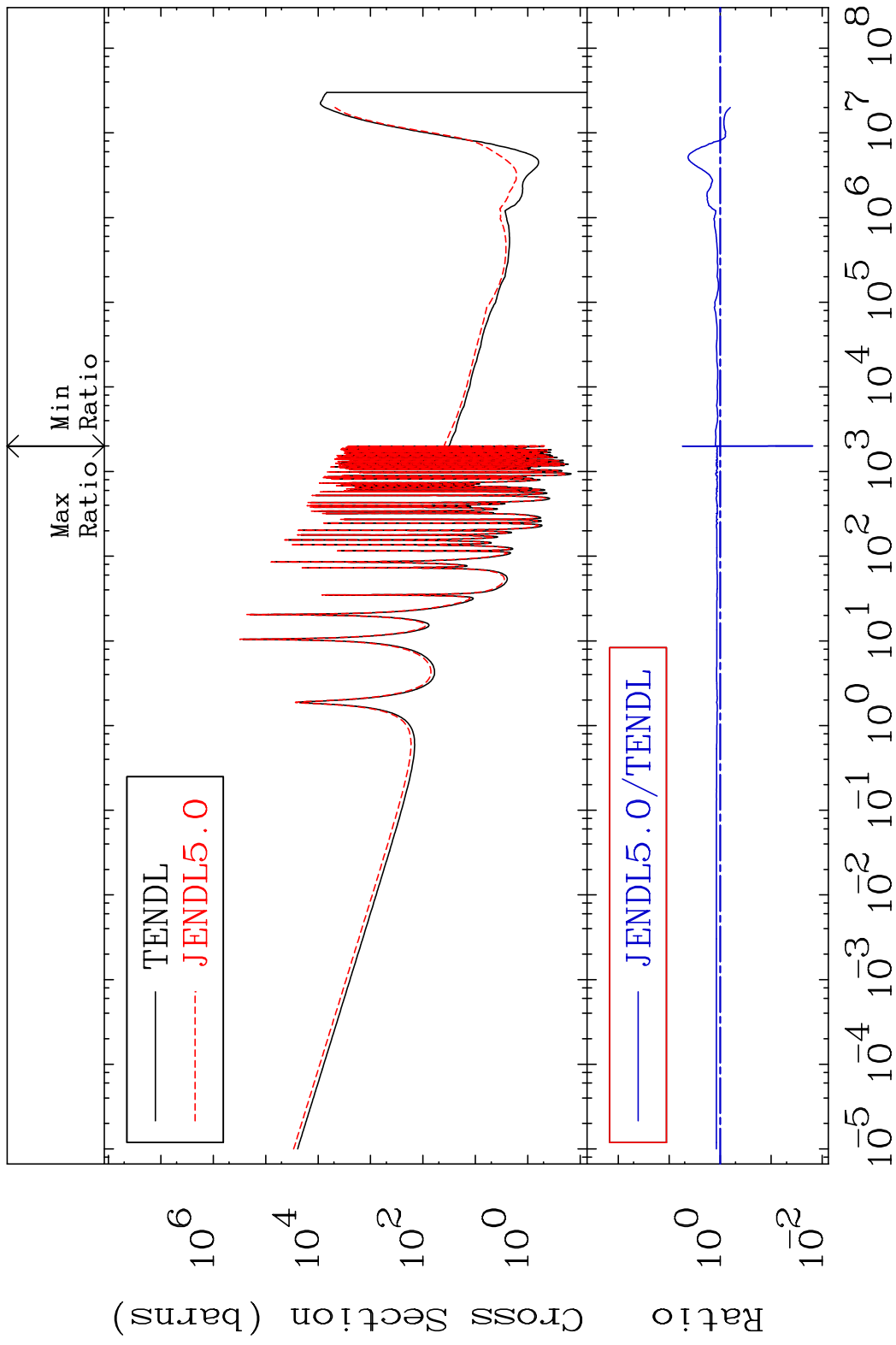
Incident Energy (eV)

66-Dy-160

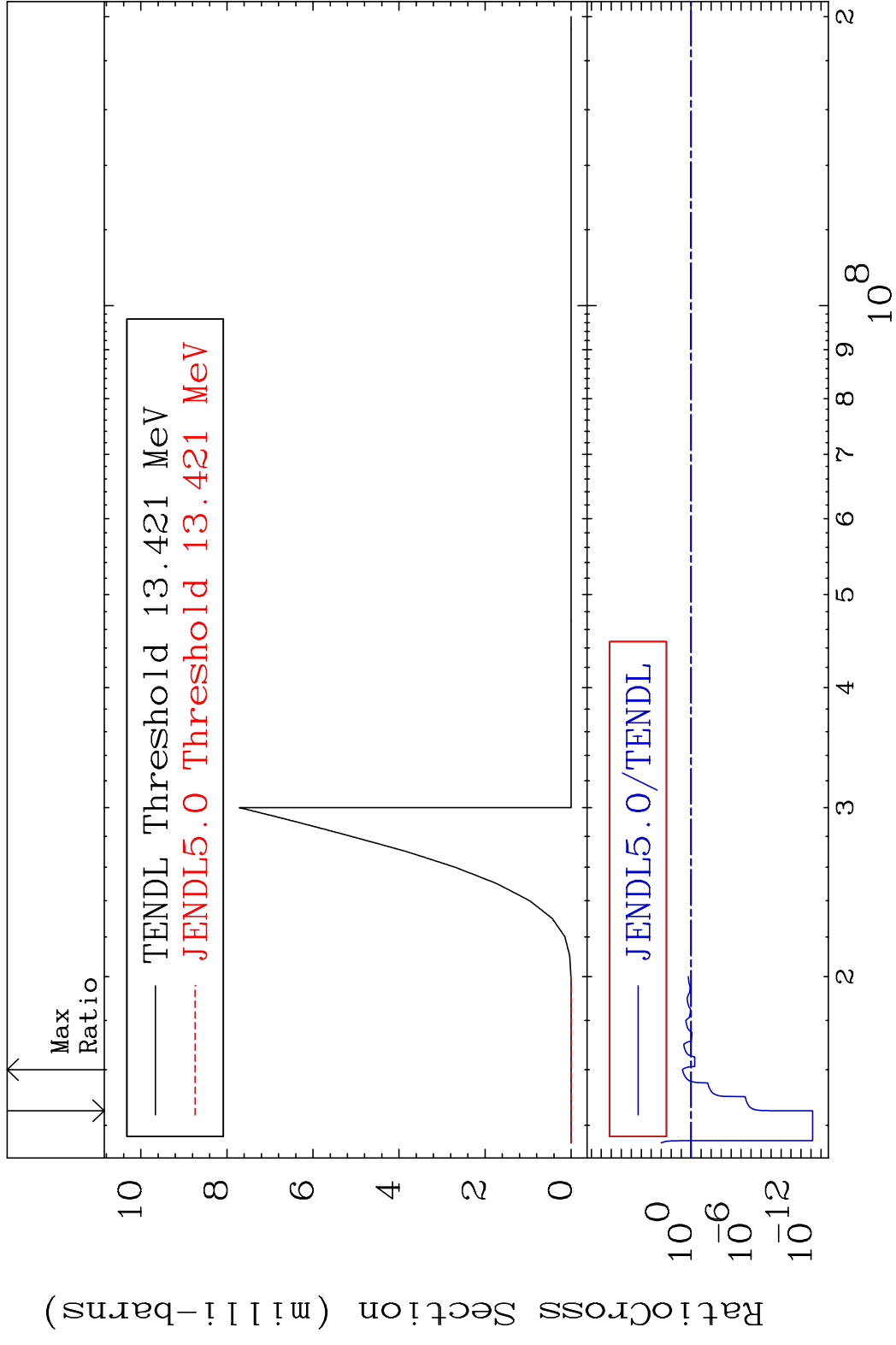
MAT 6637 Dpa inelastic (mt51-91) 66-Dy-160
 Cross Section -33.57 To 9999. %



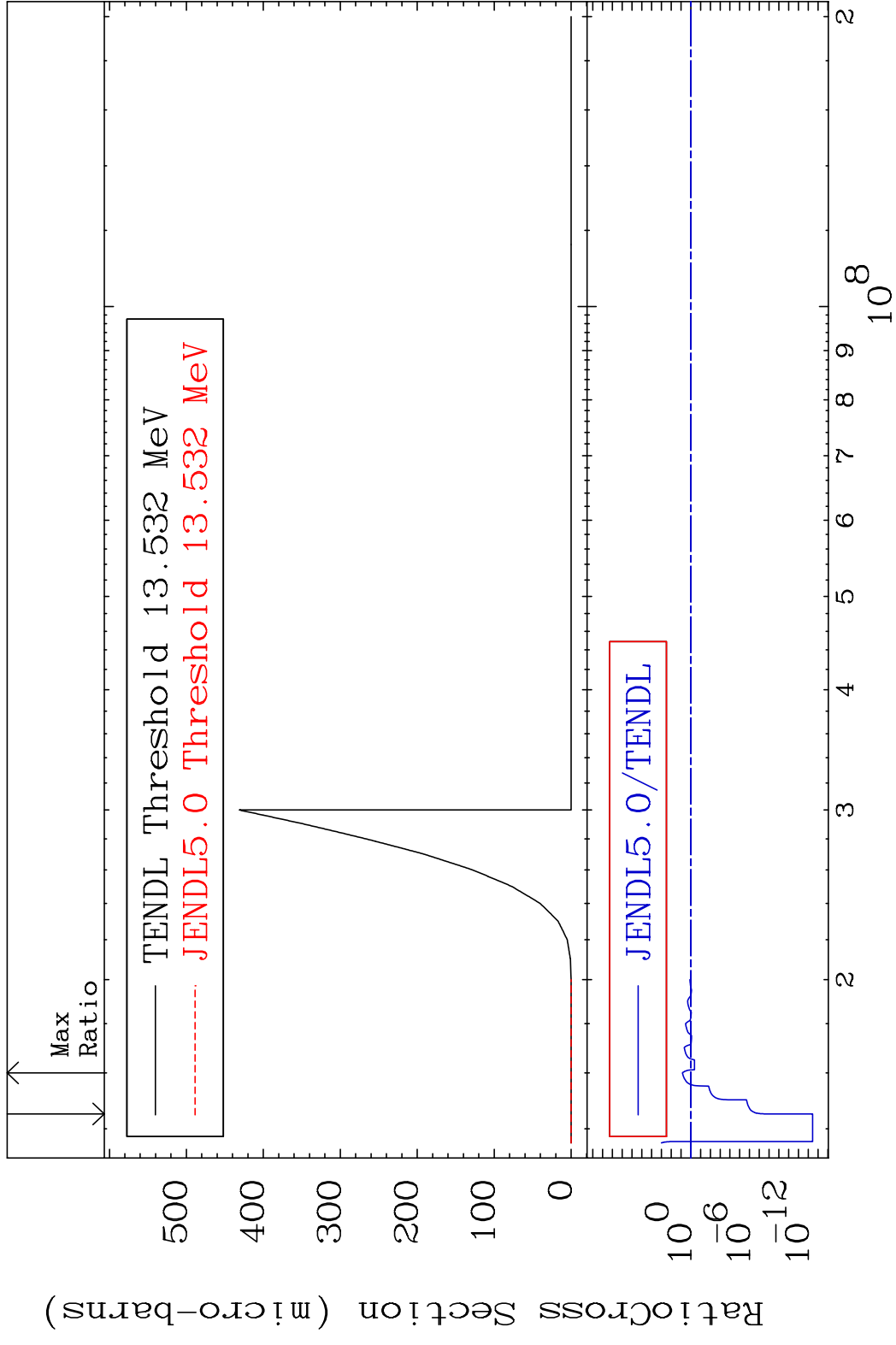
MAT 6637 Dpa disappearance (mt102 -120) 66-Dy-160
 Cross Section -98.45 To 453.0 %

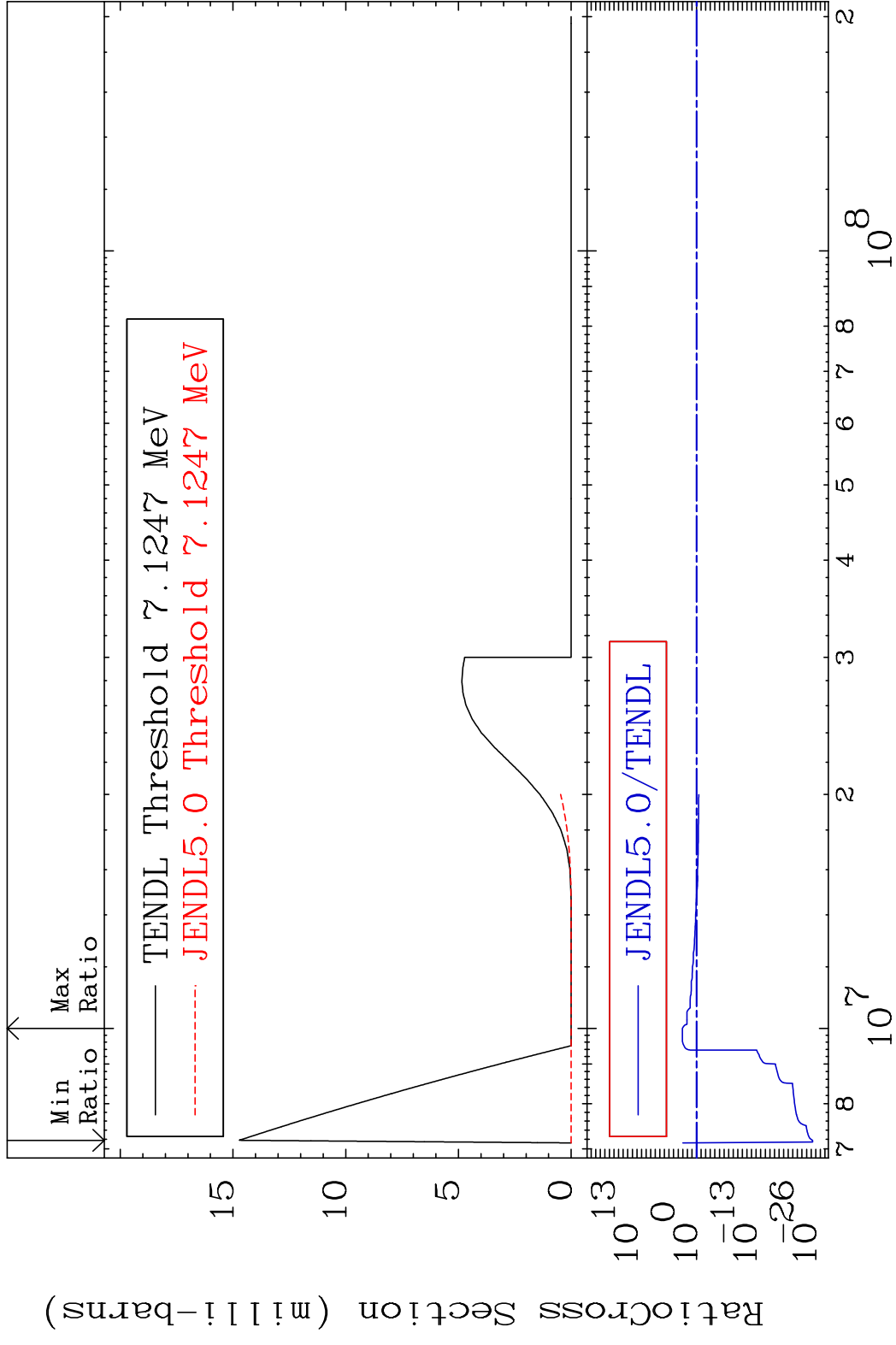


MAT 6637 (n, n') d:65-Tb-158g 66-Dy-160
 Radionuclide Production Cross Section Ratio 663.2 %

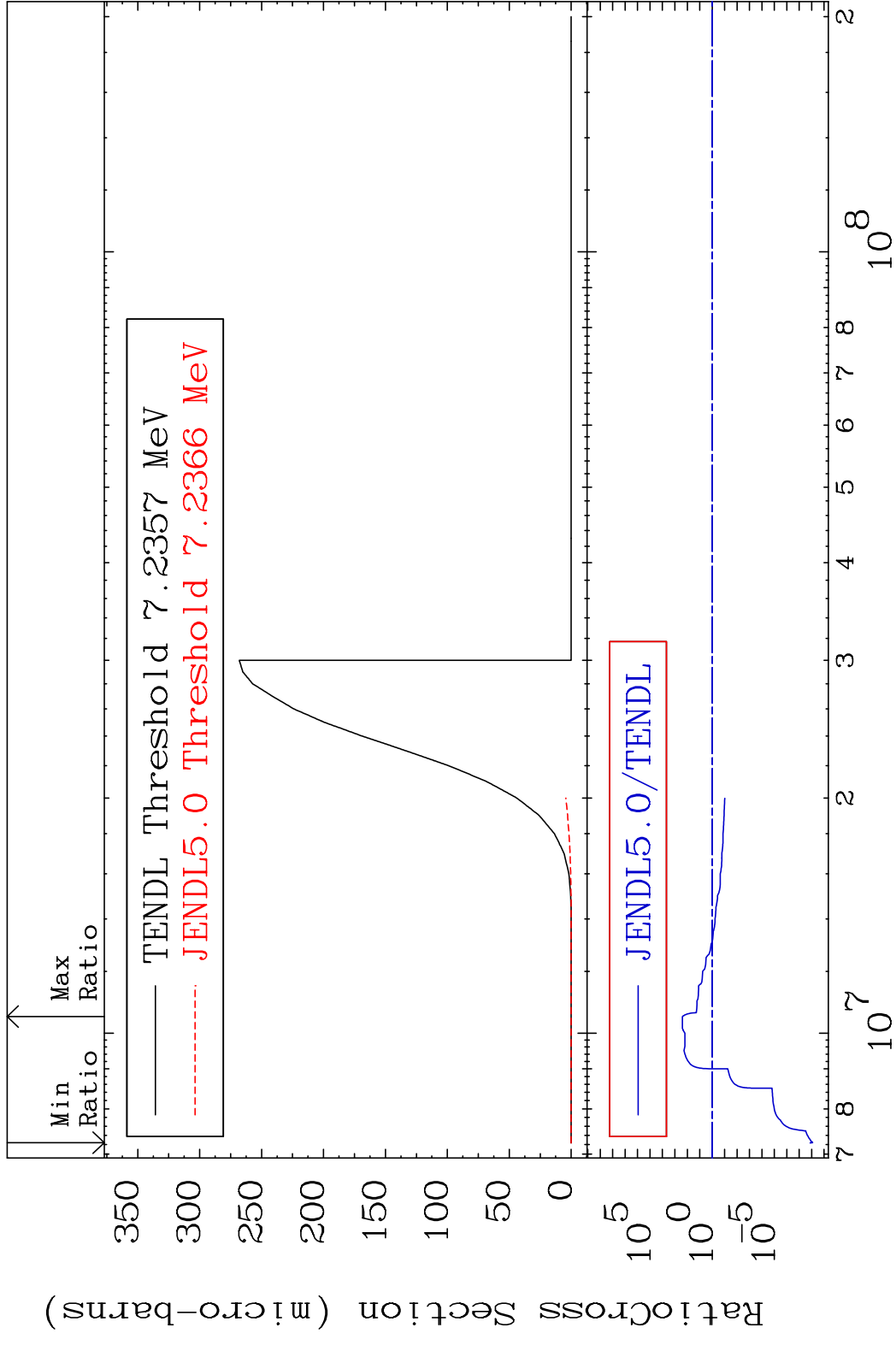


MAT 6637 (n, n') d:65-Tb-158m3 66-Dy-160
 Radionuclide Production Cross Section Ratio 620.4 %





MAT 6637 (n, t): 65-Tb-158m3 66-Dy-160
 Radionuclide Production Cross Section Ratio 9999. %

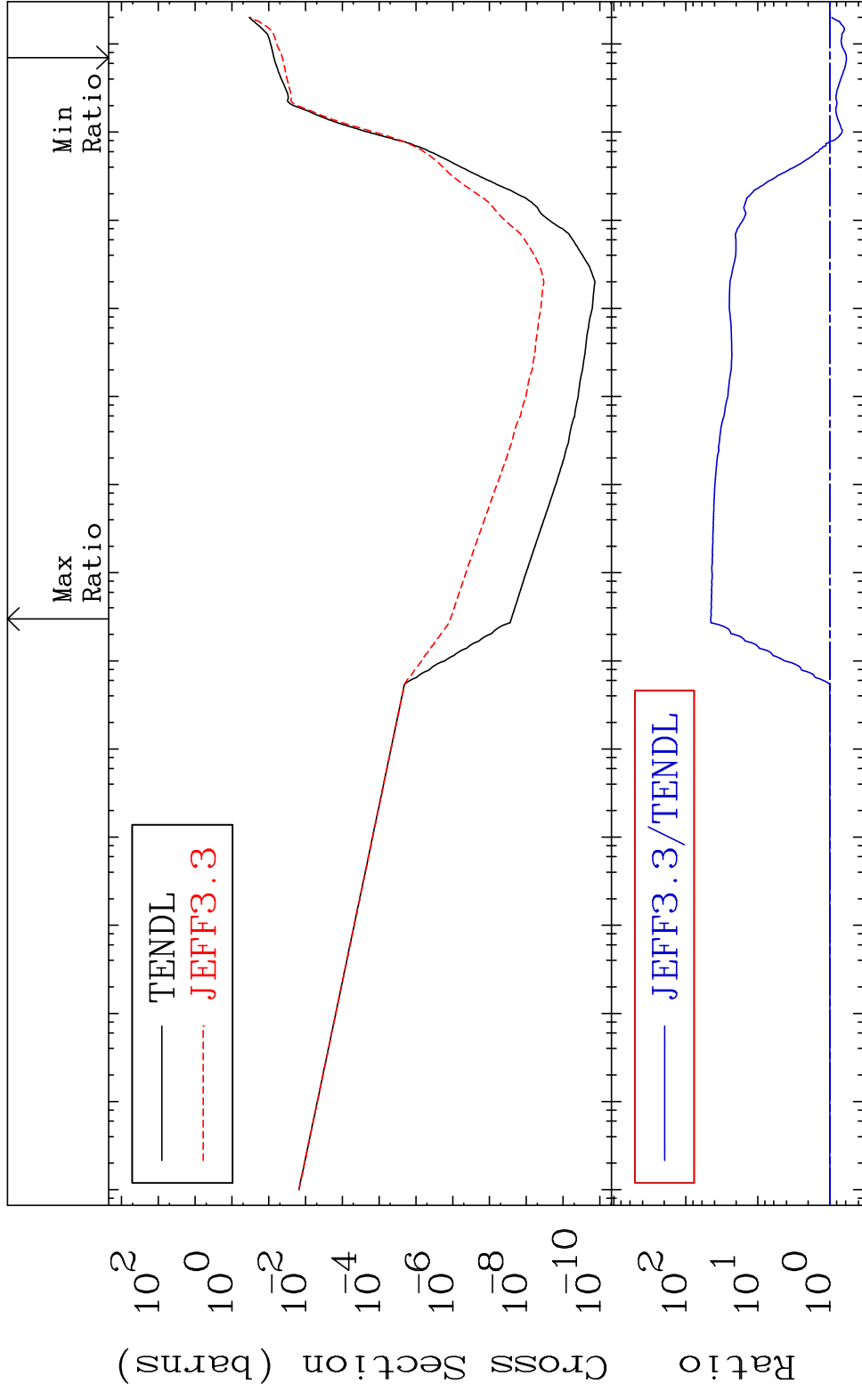


MAT 6637

He-4 Production

66-Dy-160

Cross Section -41.14 To 4418. %



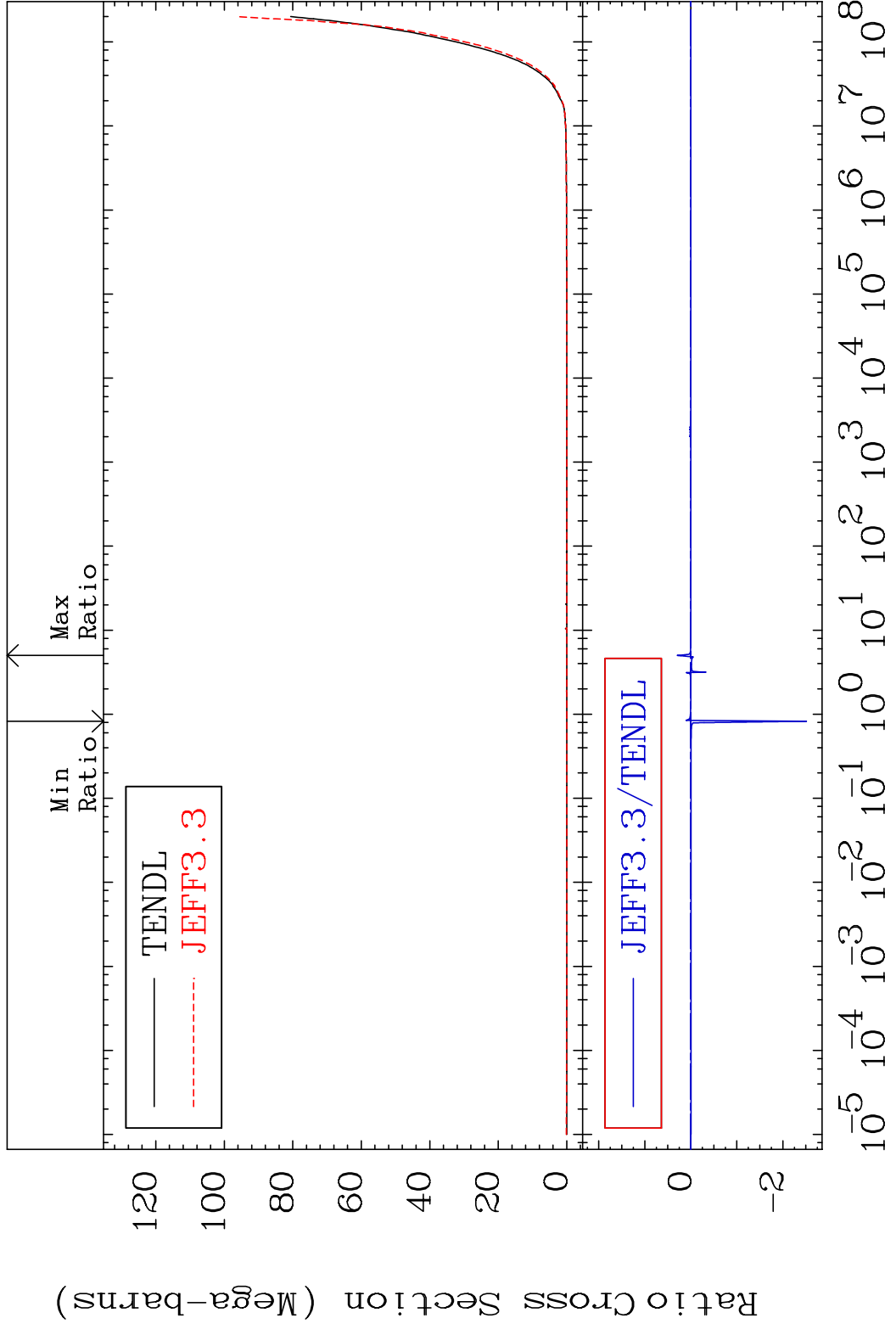
68

Incident Energy (eV)

66-Dy-160

MAT 6637

Kerma total (eV-barns) 66-Dy-160
Cross Section -9999. To 9999. %

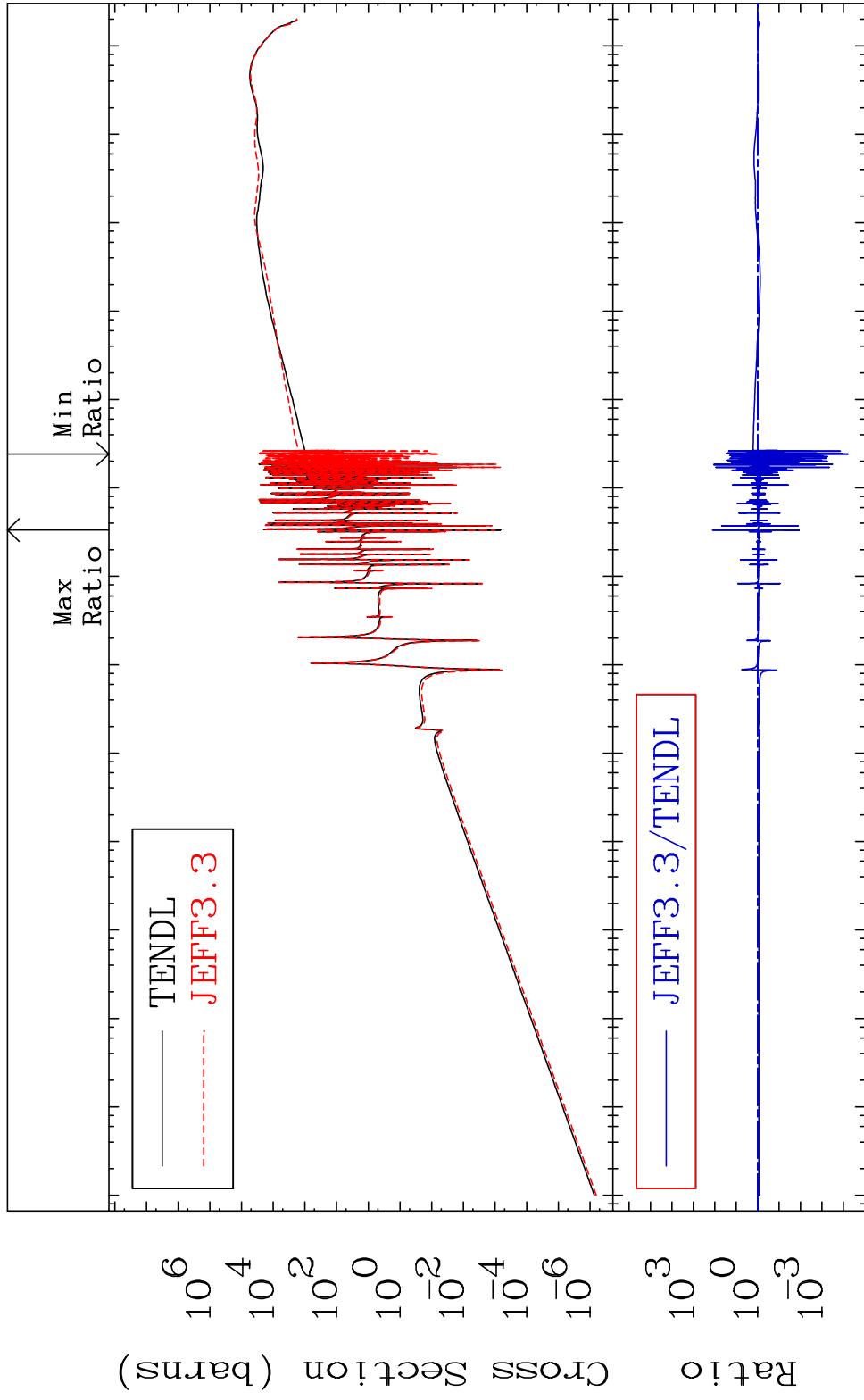


MAT 6637

Kerma elastic

66-Dy-160

Cross Section -99.99 To 9999. %



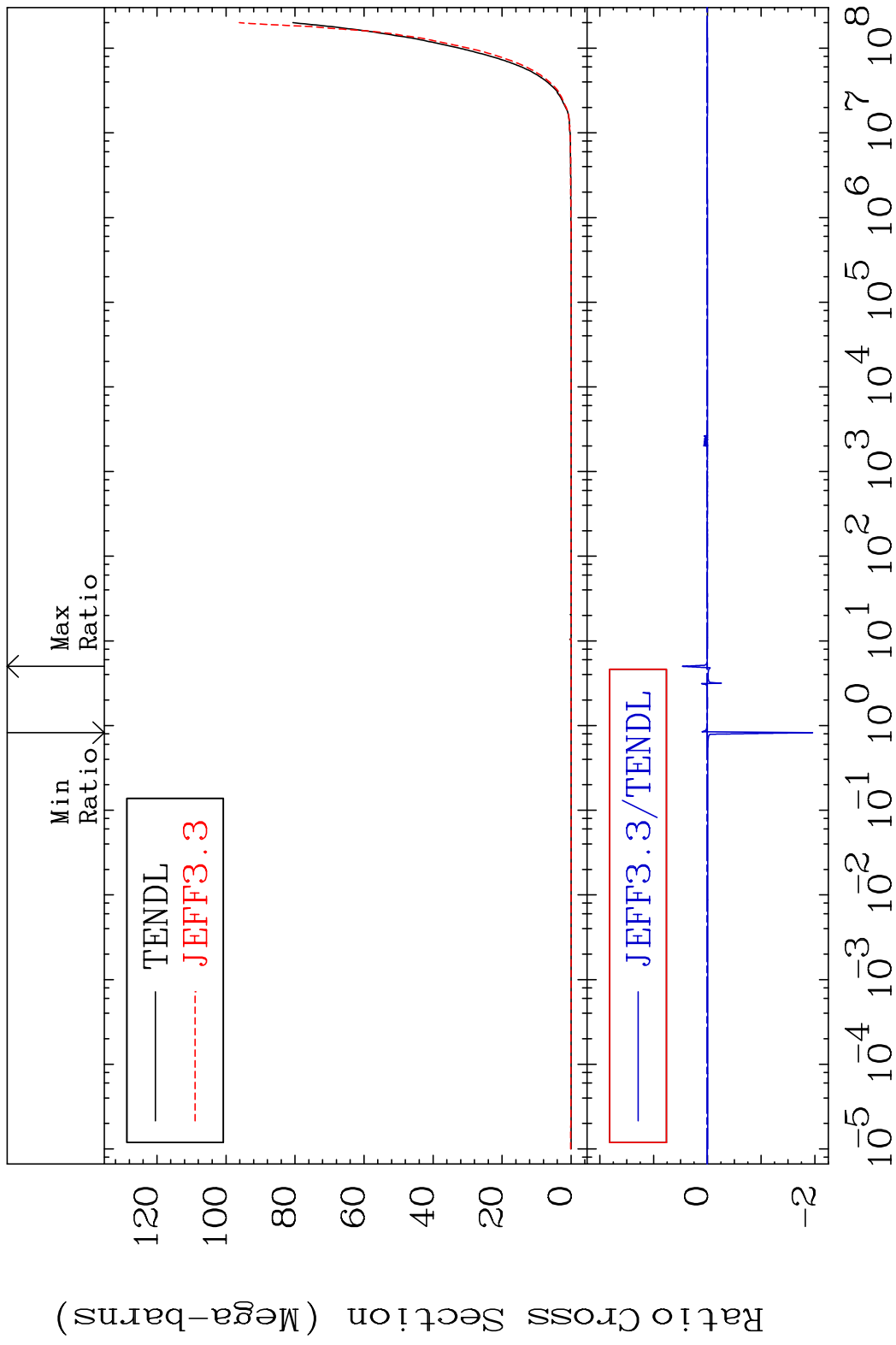
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

70

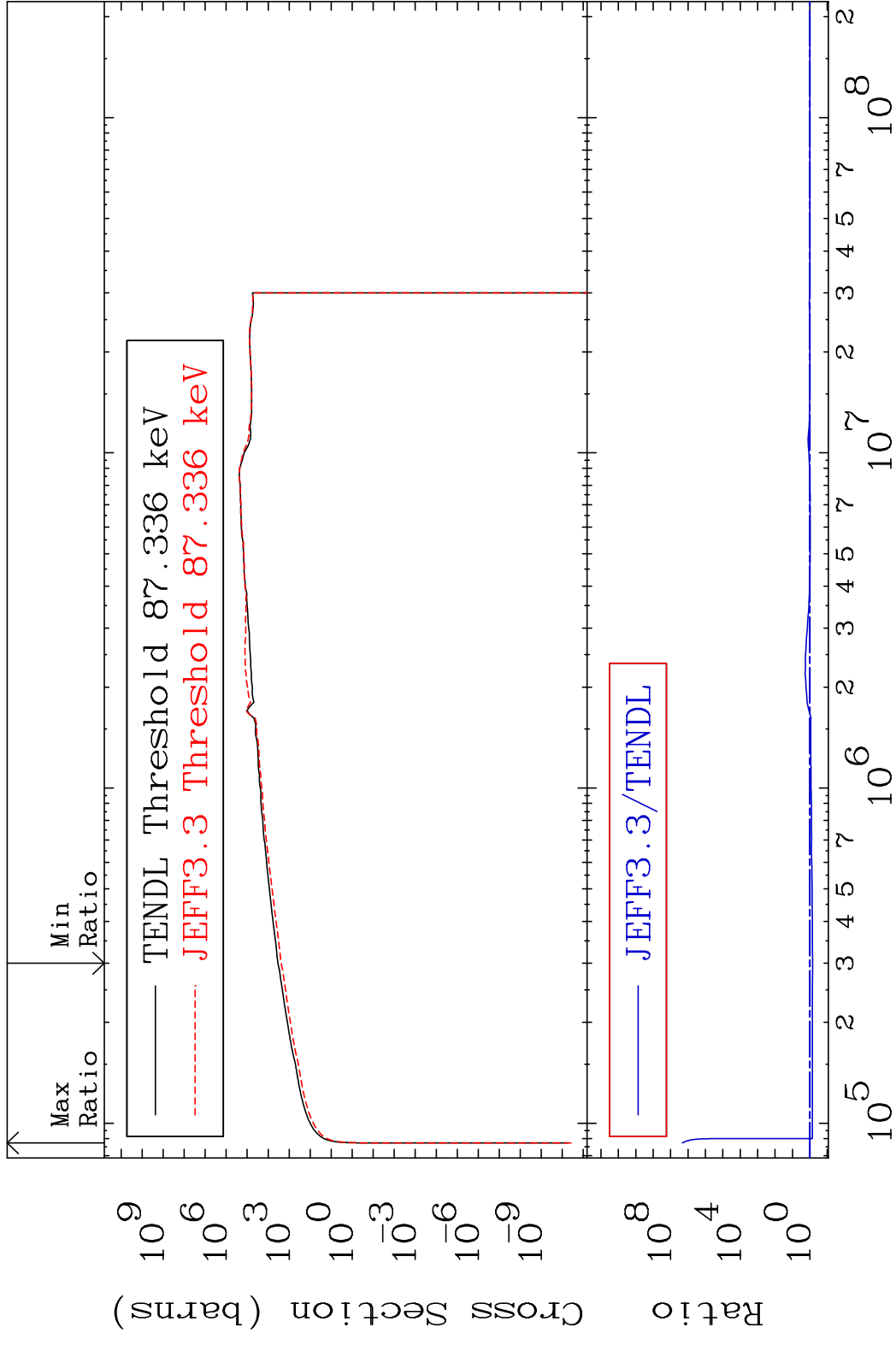
Incident Energy (eV)

66-Dy-160

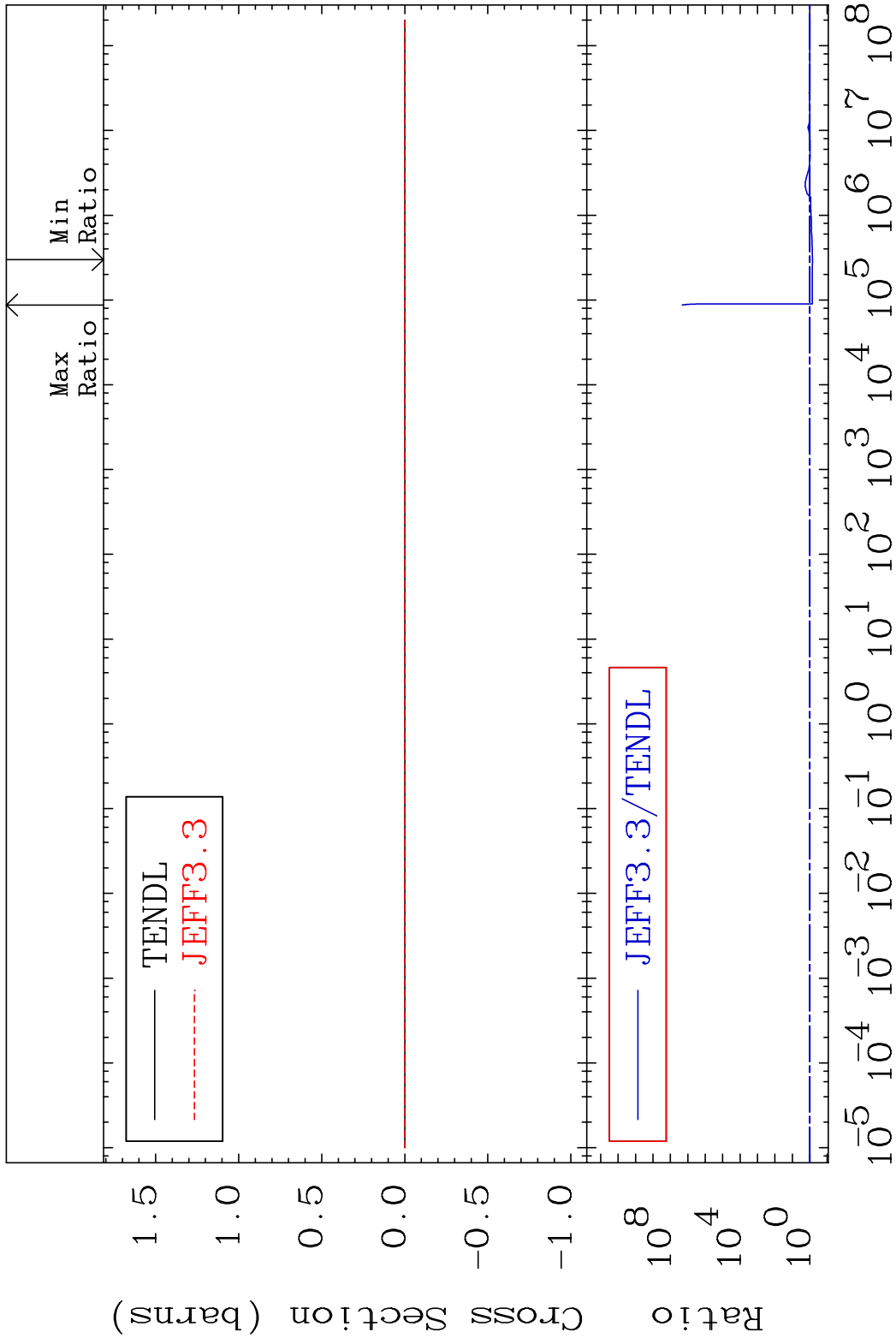
MAT 6637 Kerma non-elastic (all but mt2) 66-Dy-160
 Cross Section -9999. To 9999. %



MAT 6637 Kerma inelastic (mt51-91) 66-Dy-160
 Cross Section -30.02 To 9999. %

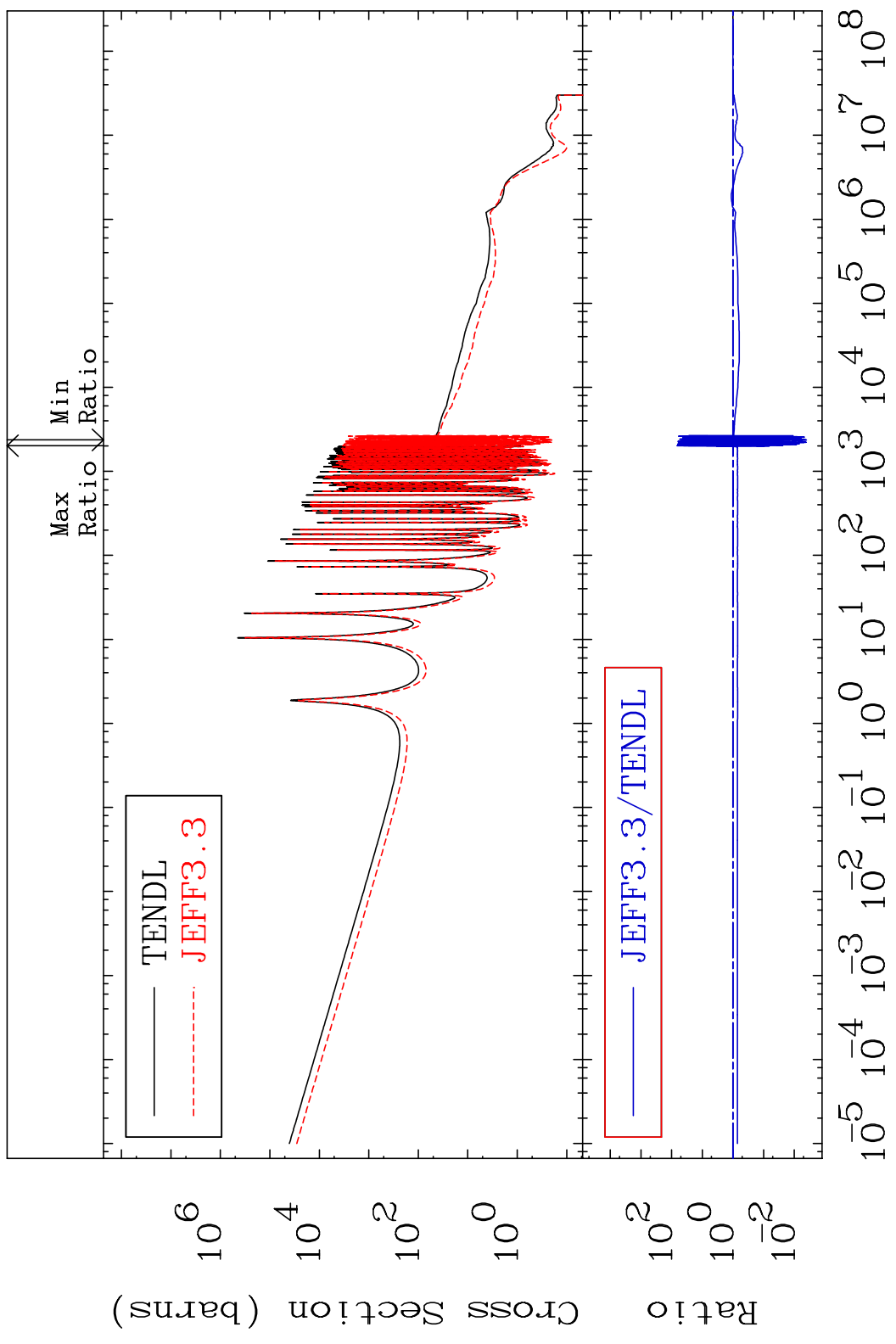


MAT 6637 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-160
 Cross Section -30.02 To 9999. %



MAT 6637

Kerma capture (mt102) 66-Dy-160
Cross Section -99.60 To 6481. %

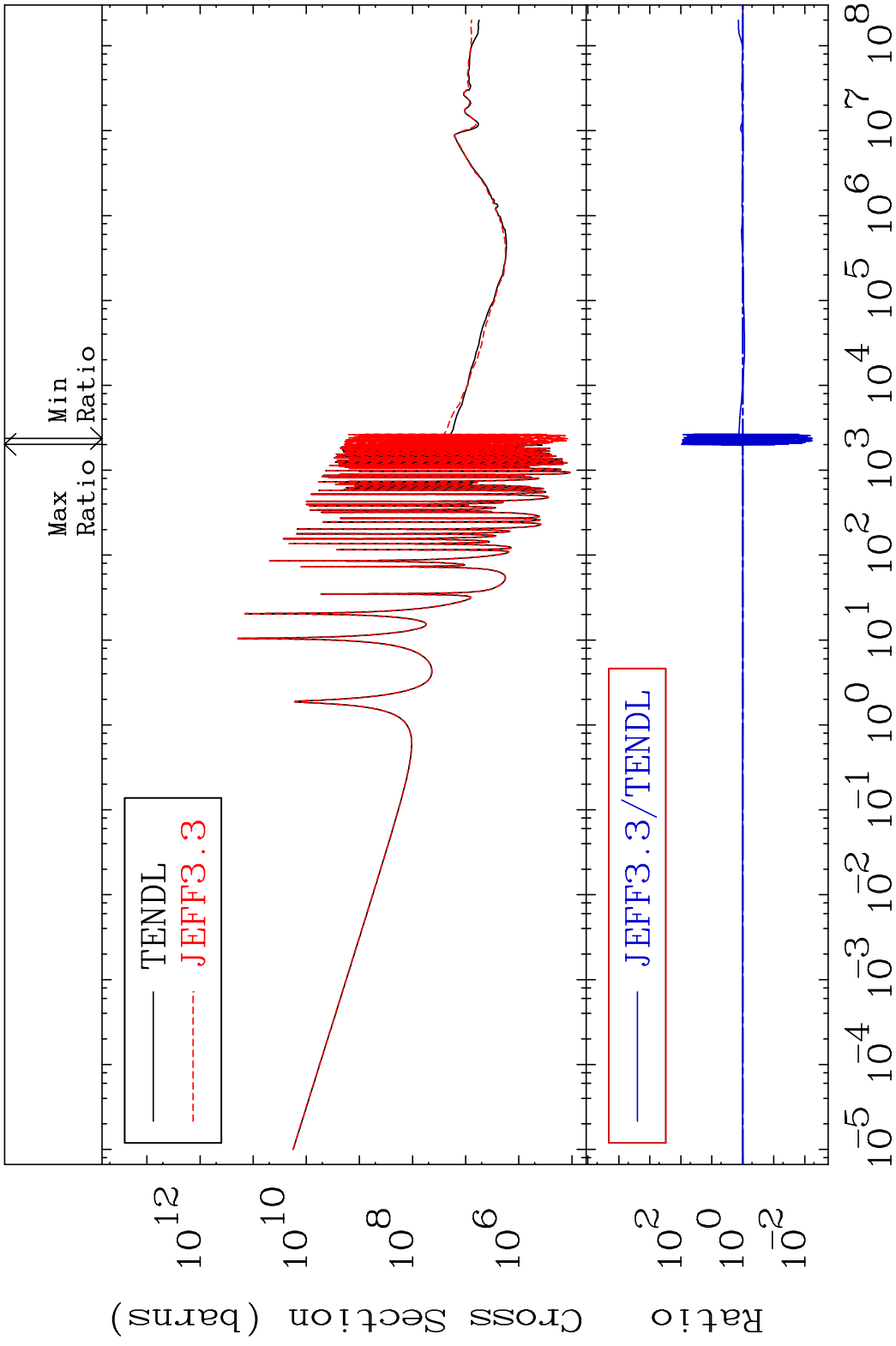


MAT 6637

Total photon (eV-barns)

66-Dy-160

Cross Section -99.43 To 9232. %

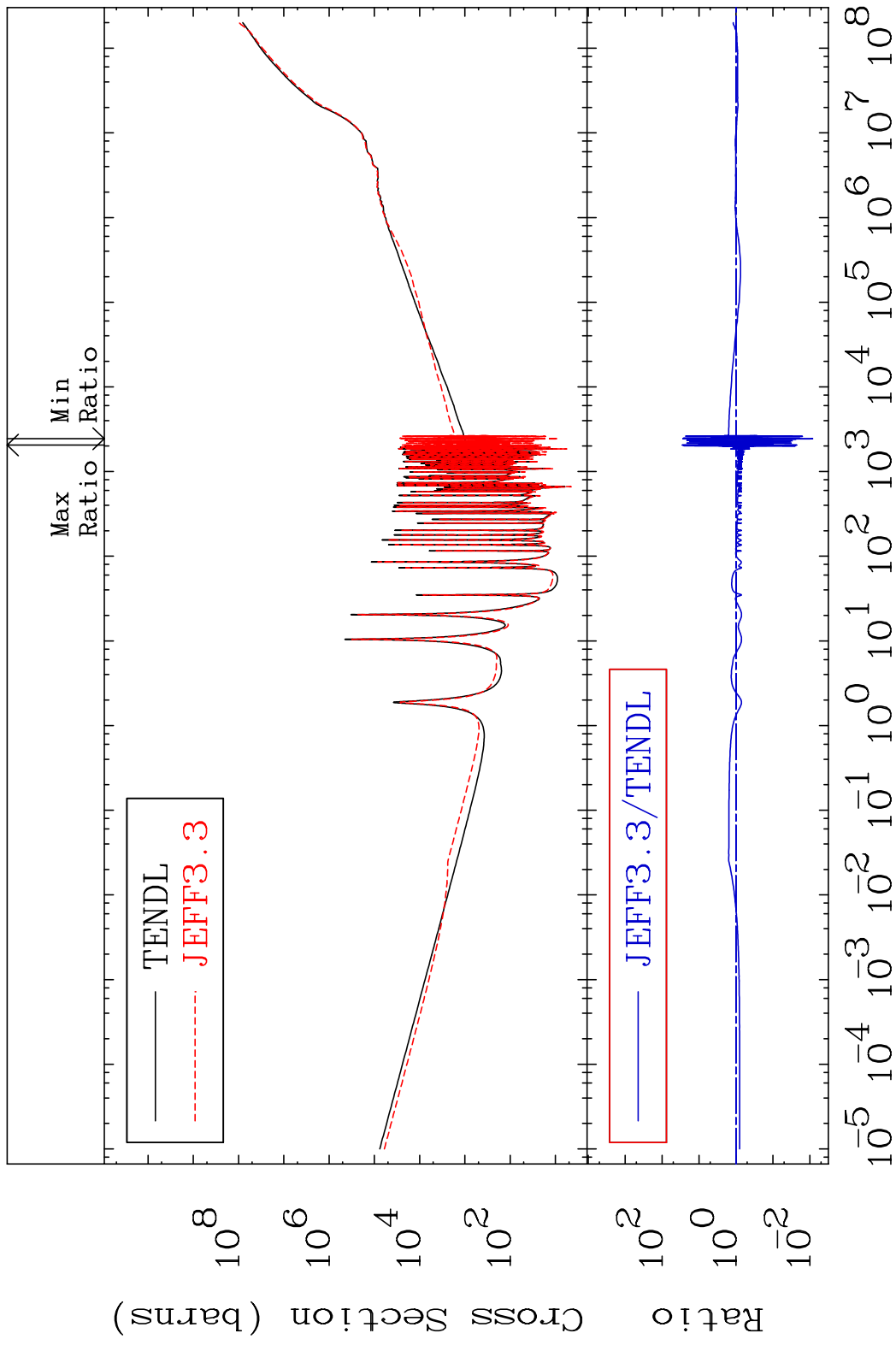


75

Incident Energy (eV)

66-Dy-160

MAT 6637 Total kinematic kerma (high limit) 66-Dy-160
 Cross Section -99.15 To 2733. %

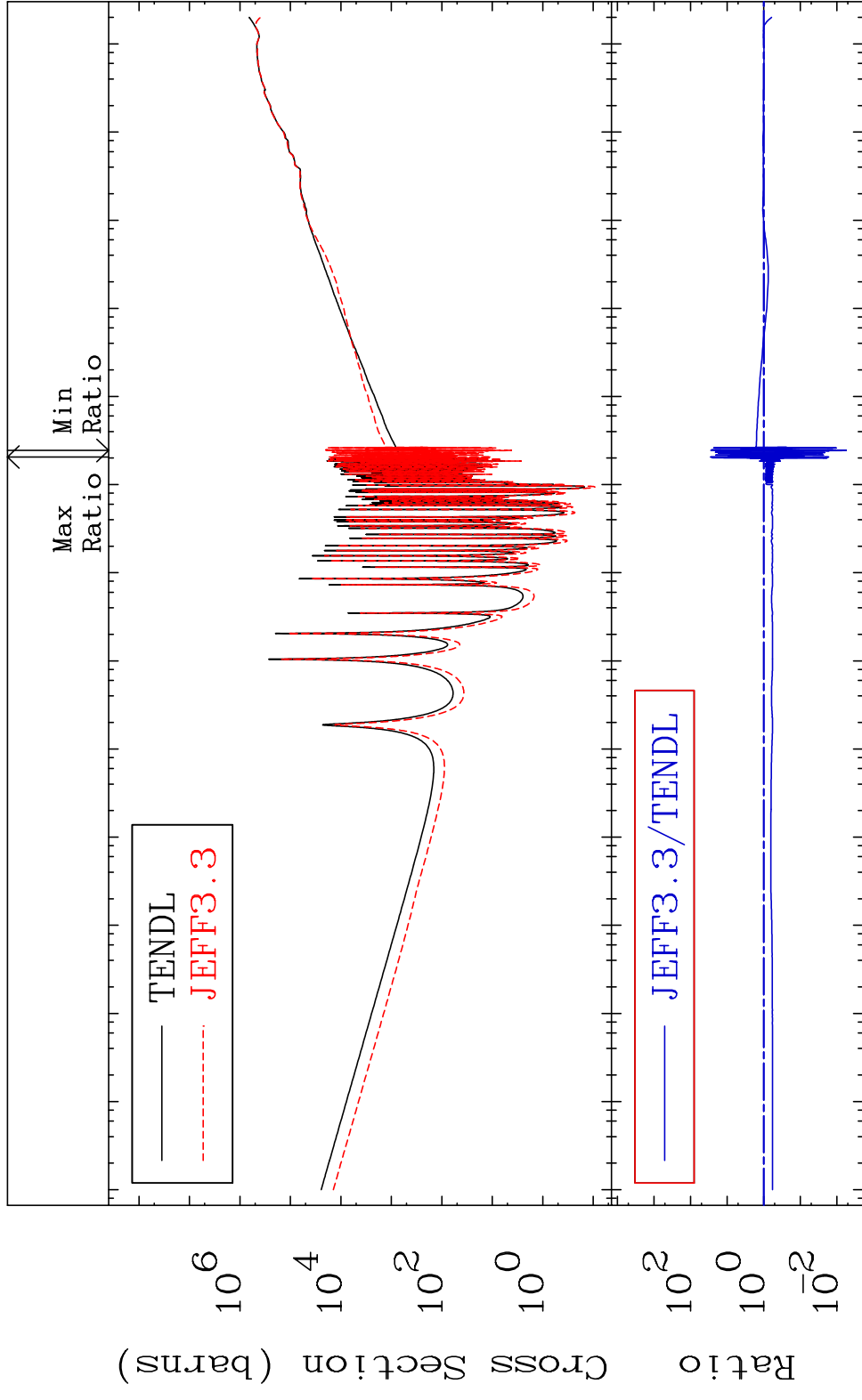


MAT 6637

Dpa total (eV-barns)

66-Dy-160

Cross Section -99.45 To 2701. %



77

Incident Energy (eV)

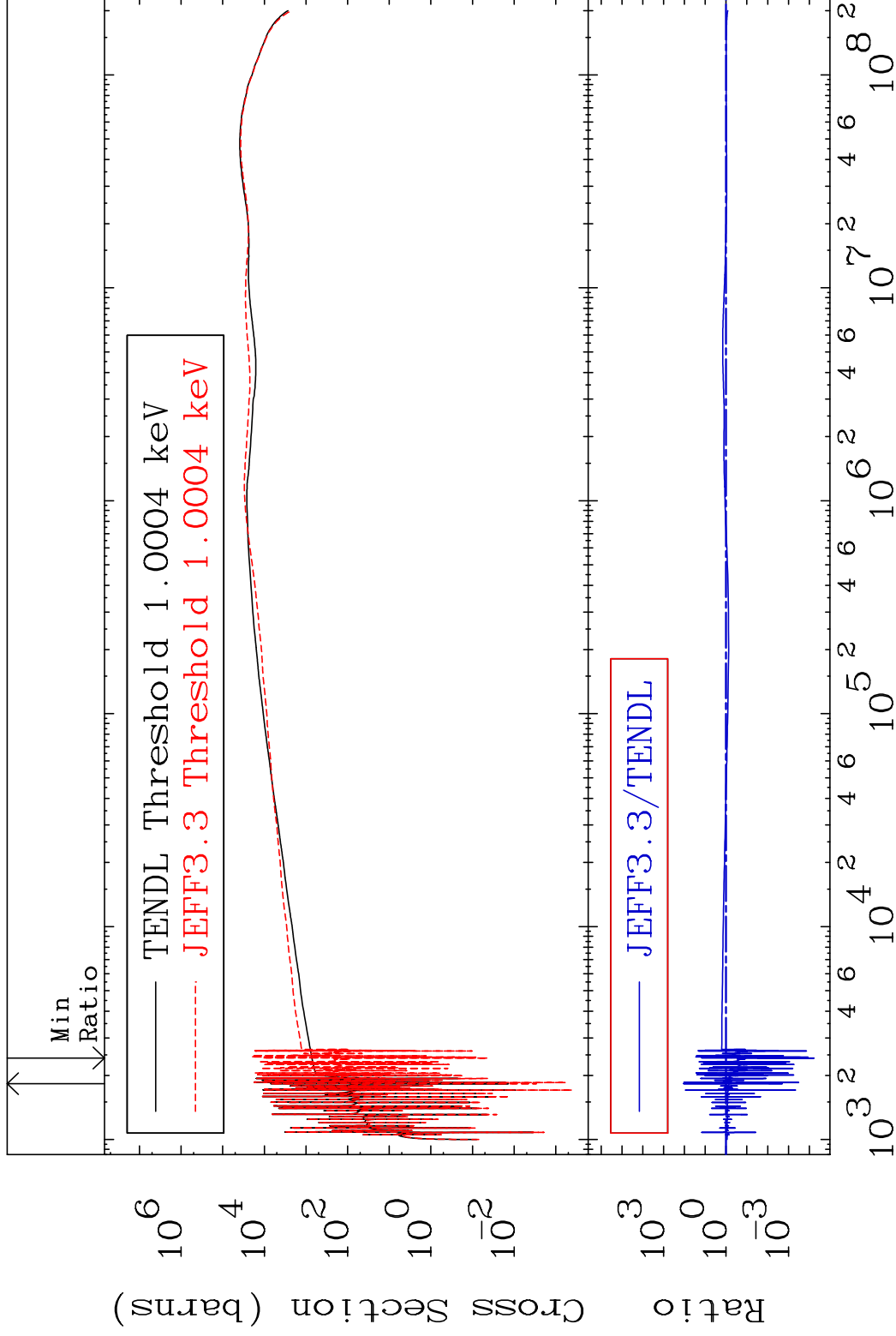
66-Dy-160

MAT 6637

Dpa elastic (mt2)

66-Dy-160

Cross Section -99.99 To 9999. %

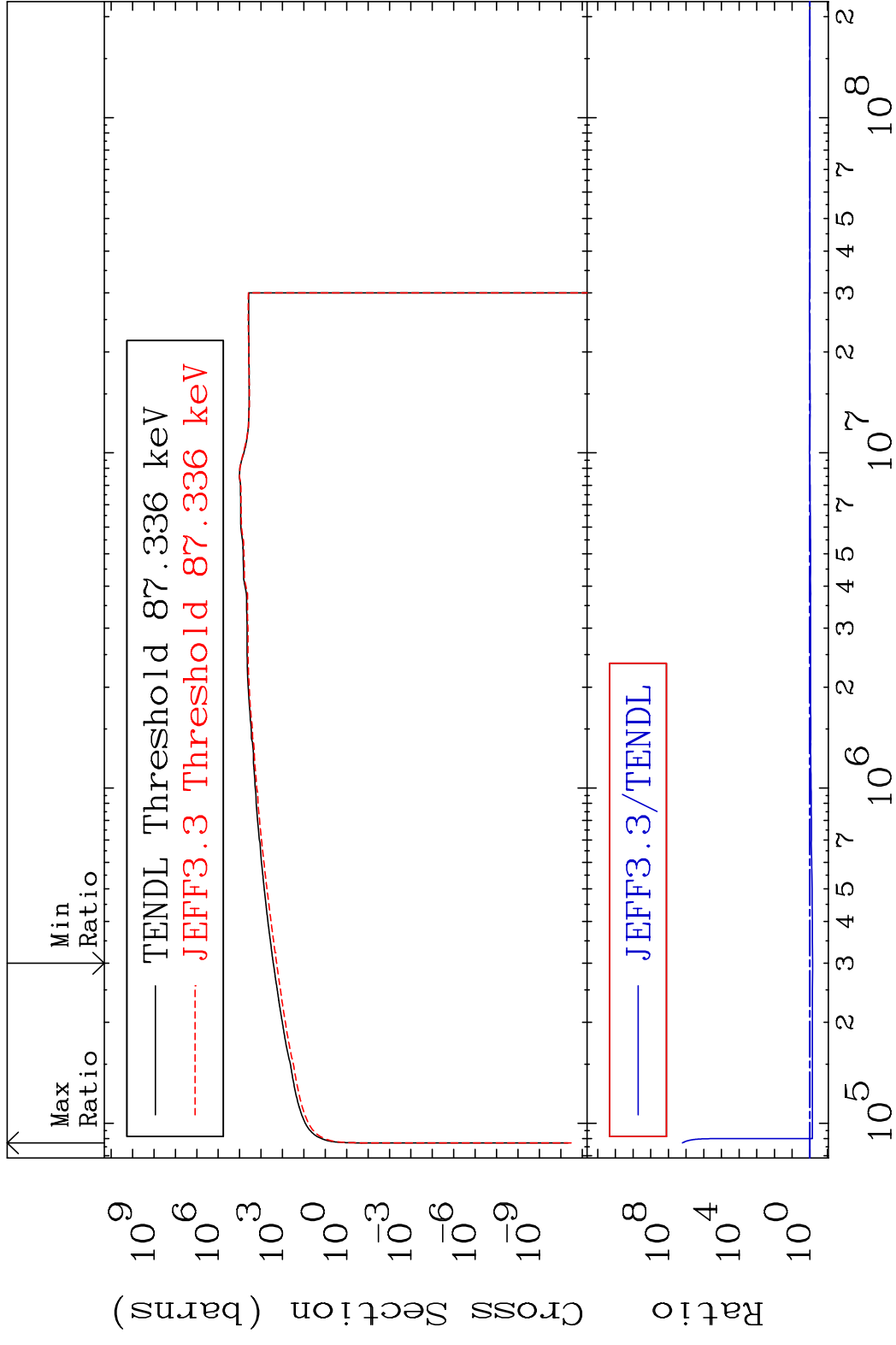


78

Incident Energy (eV)

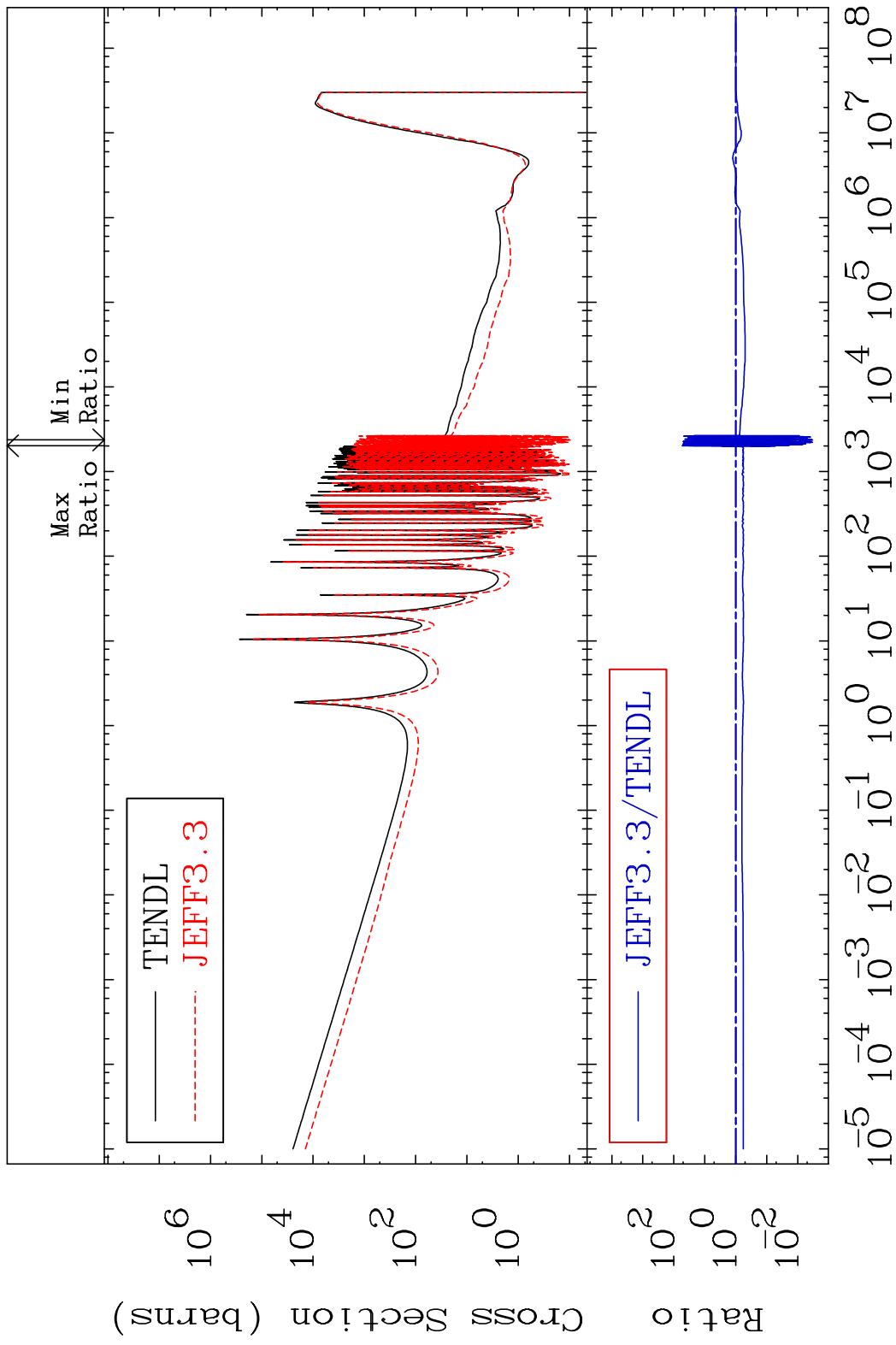
66-Dy-160

MAT 6637 Dpa inelastic (mt51-91) 66-Dy-160
 Cross Section -30.10 To 9999. %



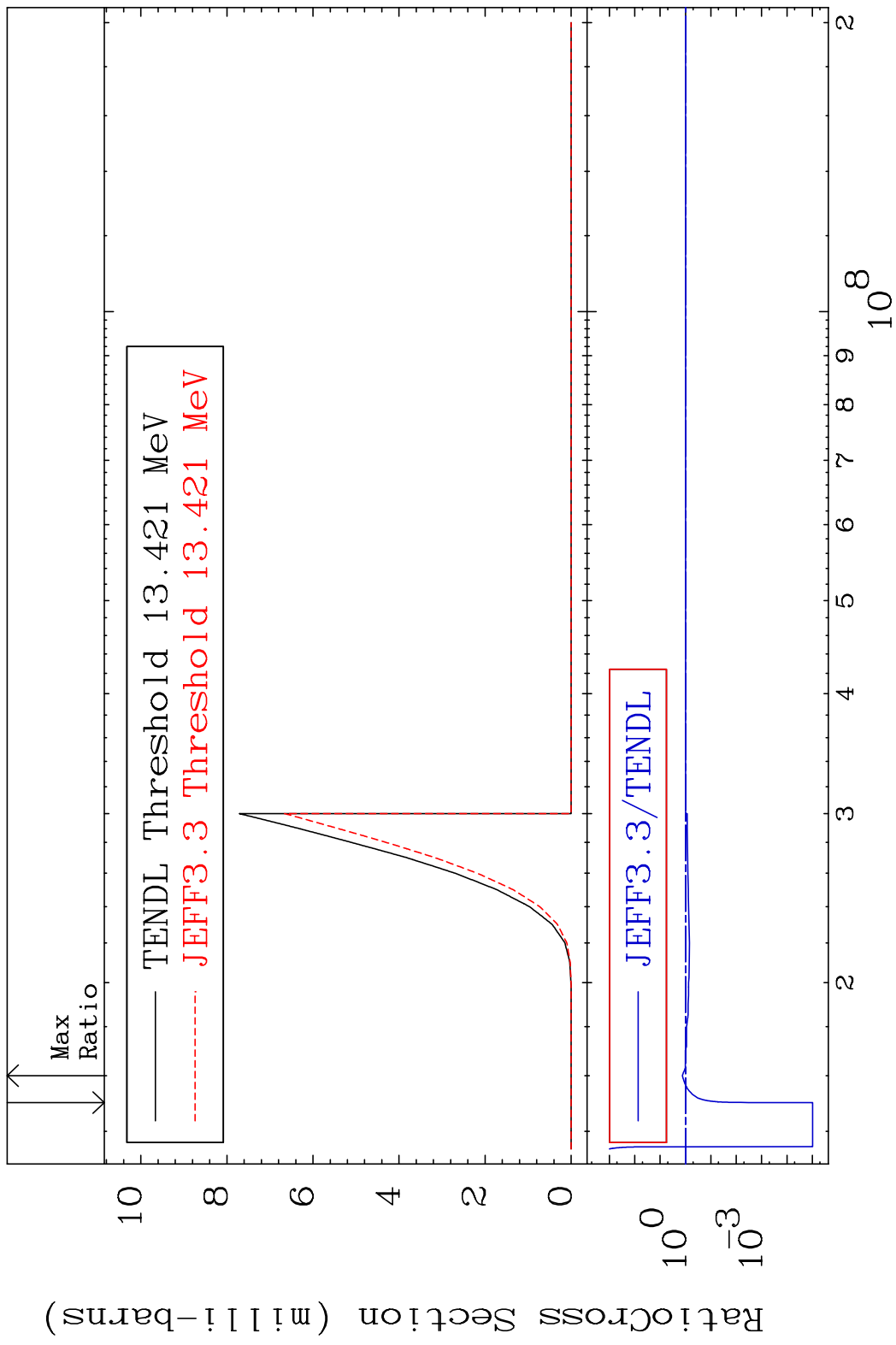
79 Incident Energy (eV) 66-Dy-160

MAT 6637 Dpa disappearance (mt102 -120) 66-Dy-160
 Cross Section -99.66 To 5205. %

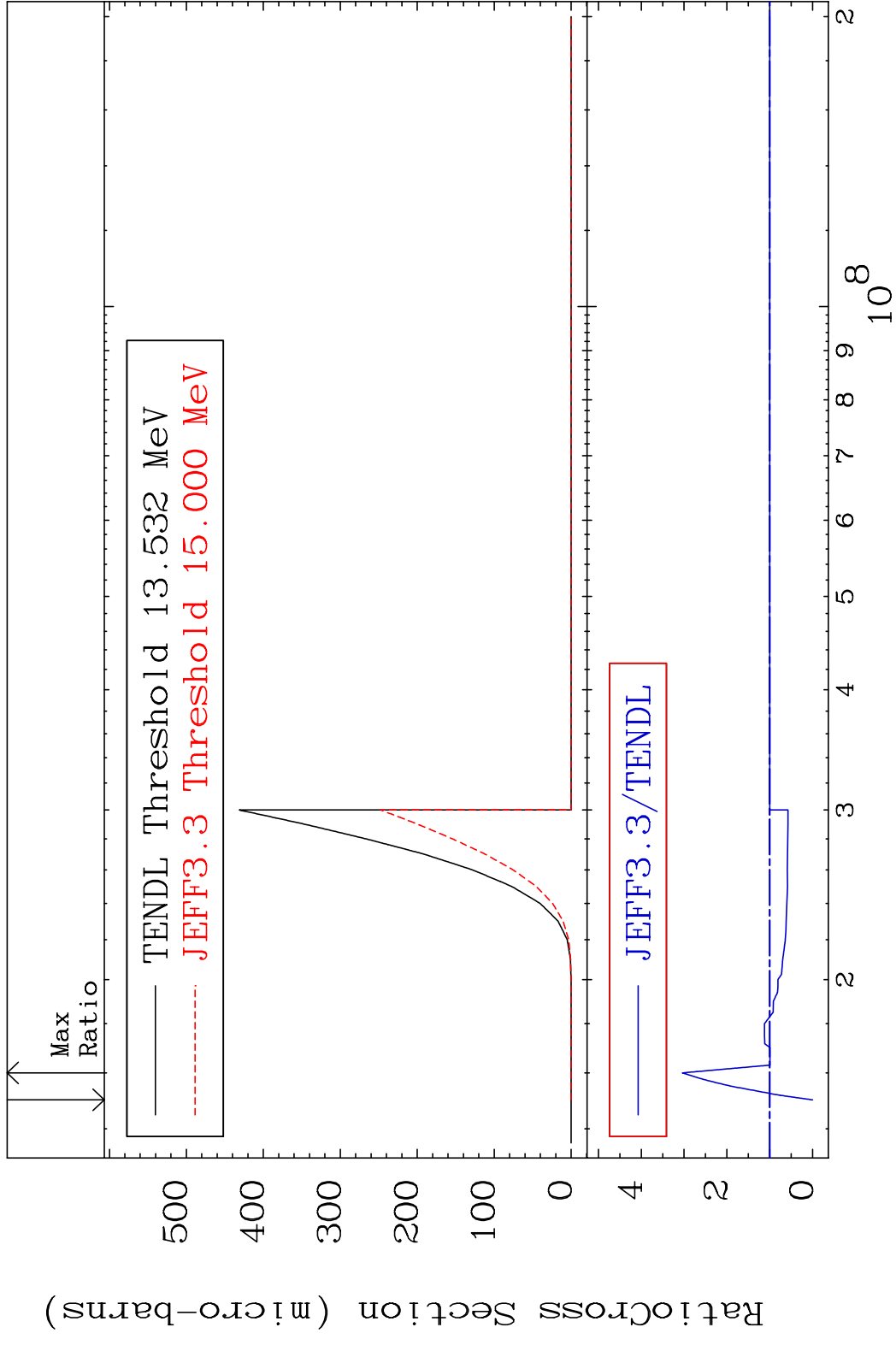


80 Incident Energy (eV) 66-Dy-160

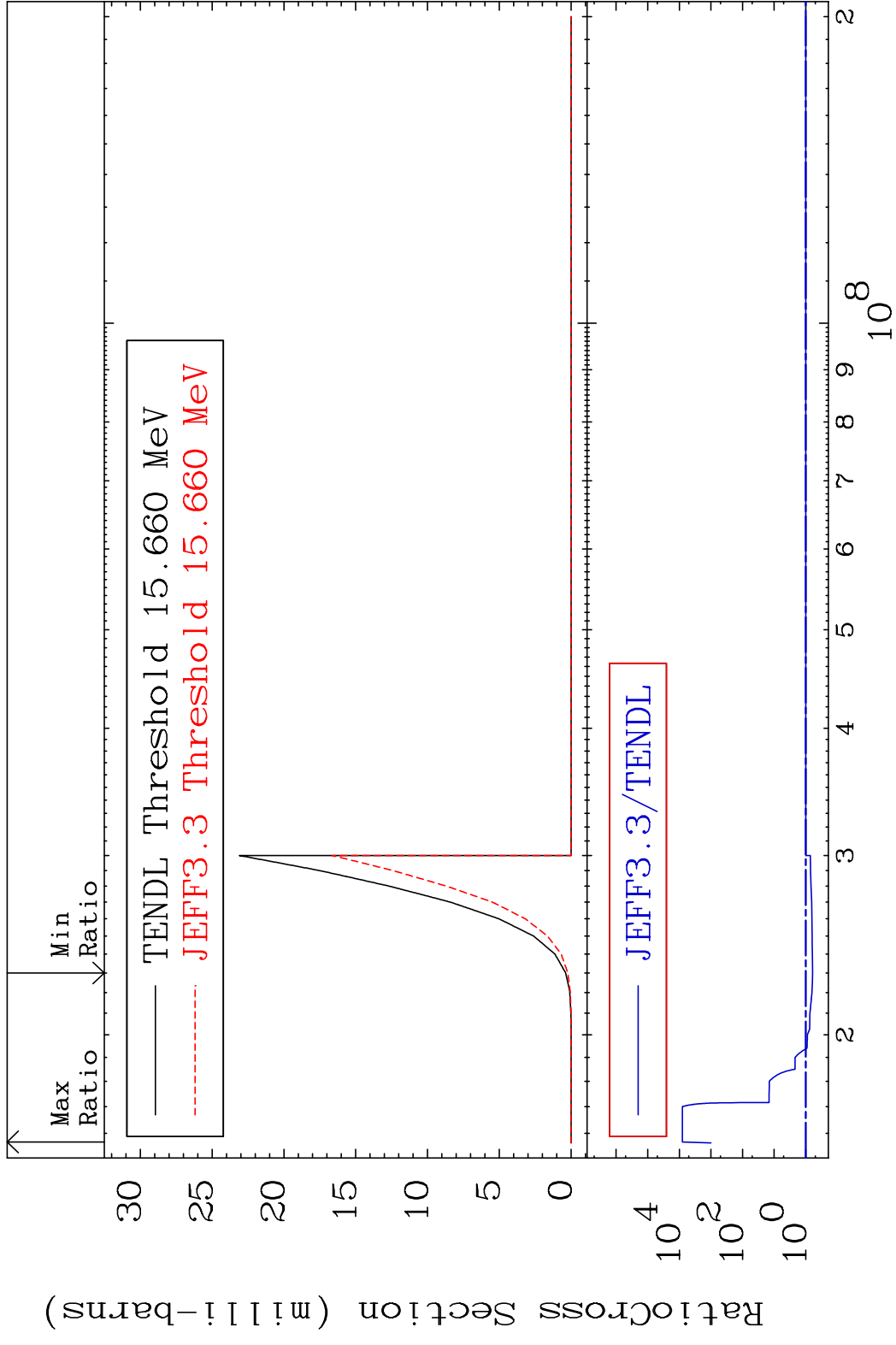
MAT 6637 (n, n') d:65-Tb-158g 66-Dy-160
 Radionuclide Production Cross Section Ratio 33.13 %

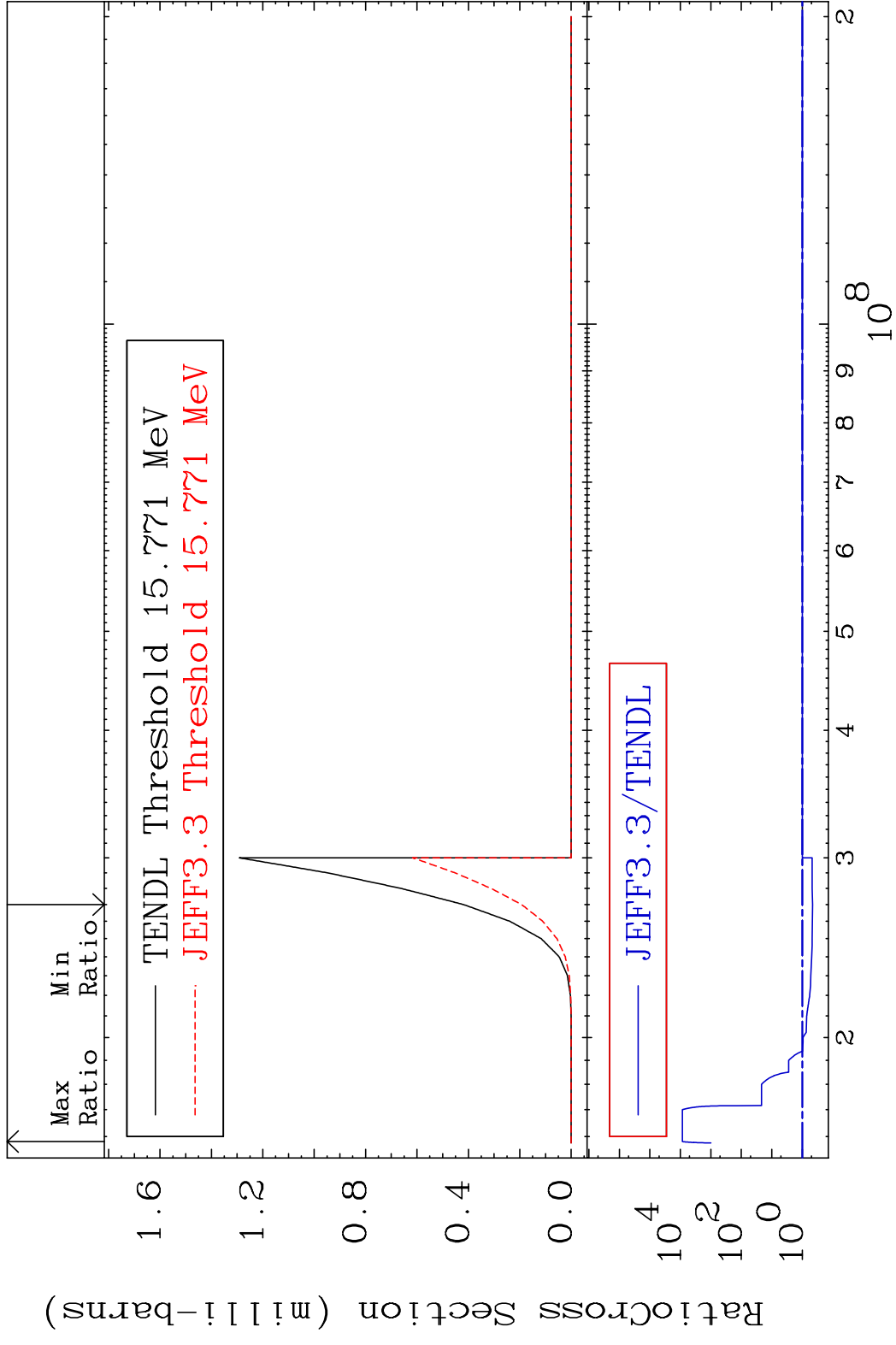


MAT 6637 (n, n') d:65-Tb-158m3 66-Dy-160
 Radionuclide Production Cross Section Ratio 204.0 %

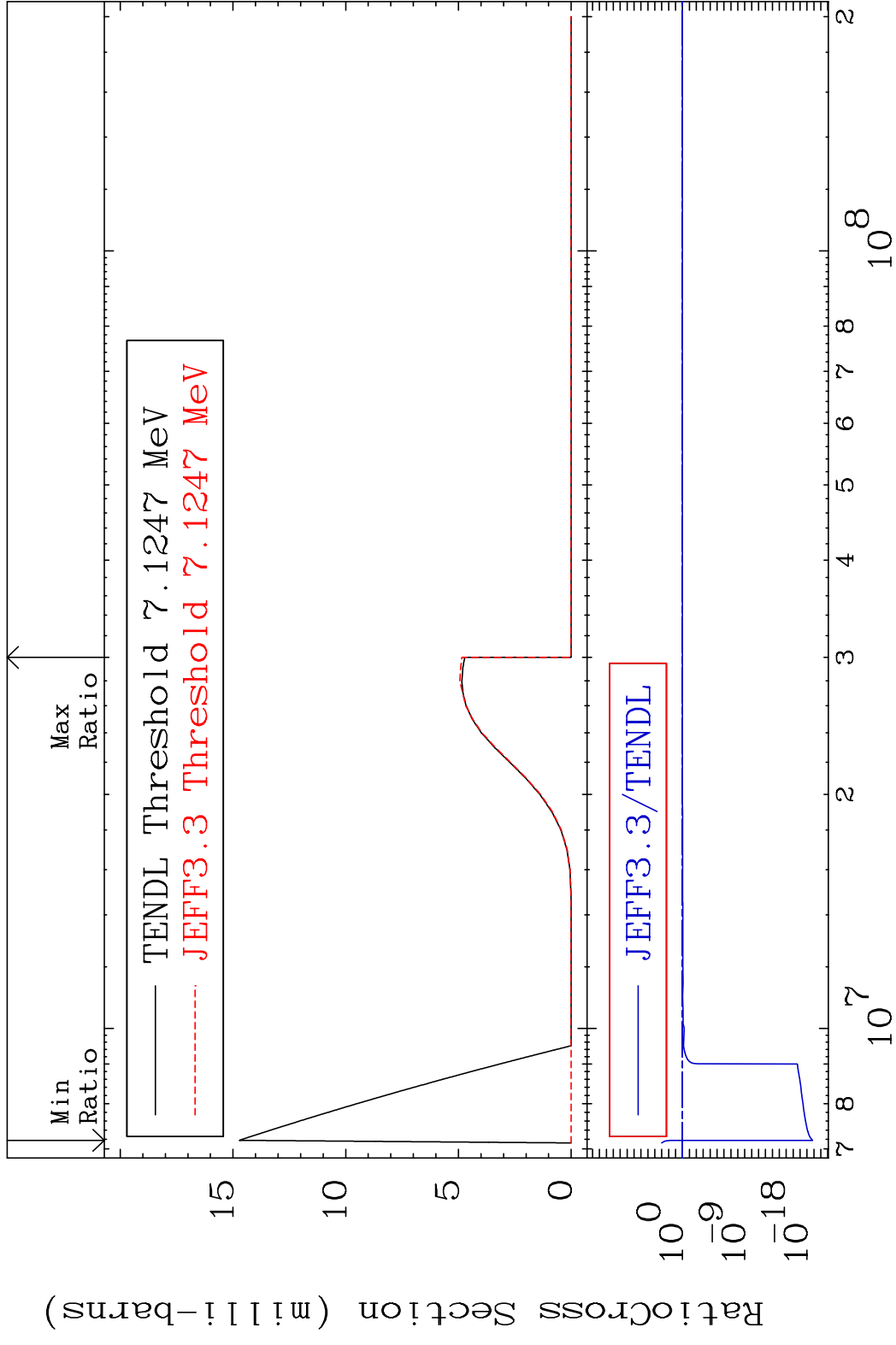


MAT 6637 (n,2n) p:65-Tb-158g 66-Dy-160
 Radionuclide Production Cross Section (%)





MAT 6637 (n, t): 65-Tb-158g 66-Dy-160
 Radionuclide Production Cross Section Ratio 2.631 %



MAT 6637 (n, t): 65-Tb-158m3 66-Dy-160
 Radionuclide Production Cross Section 36.17 %

