

Program Complot
(Version 2021-1)

by

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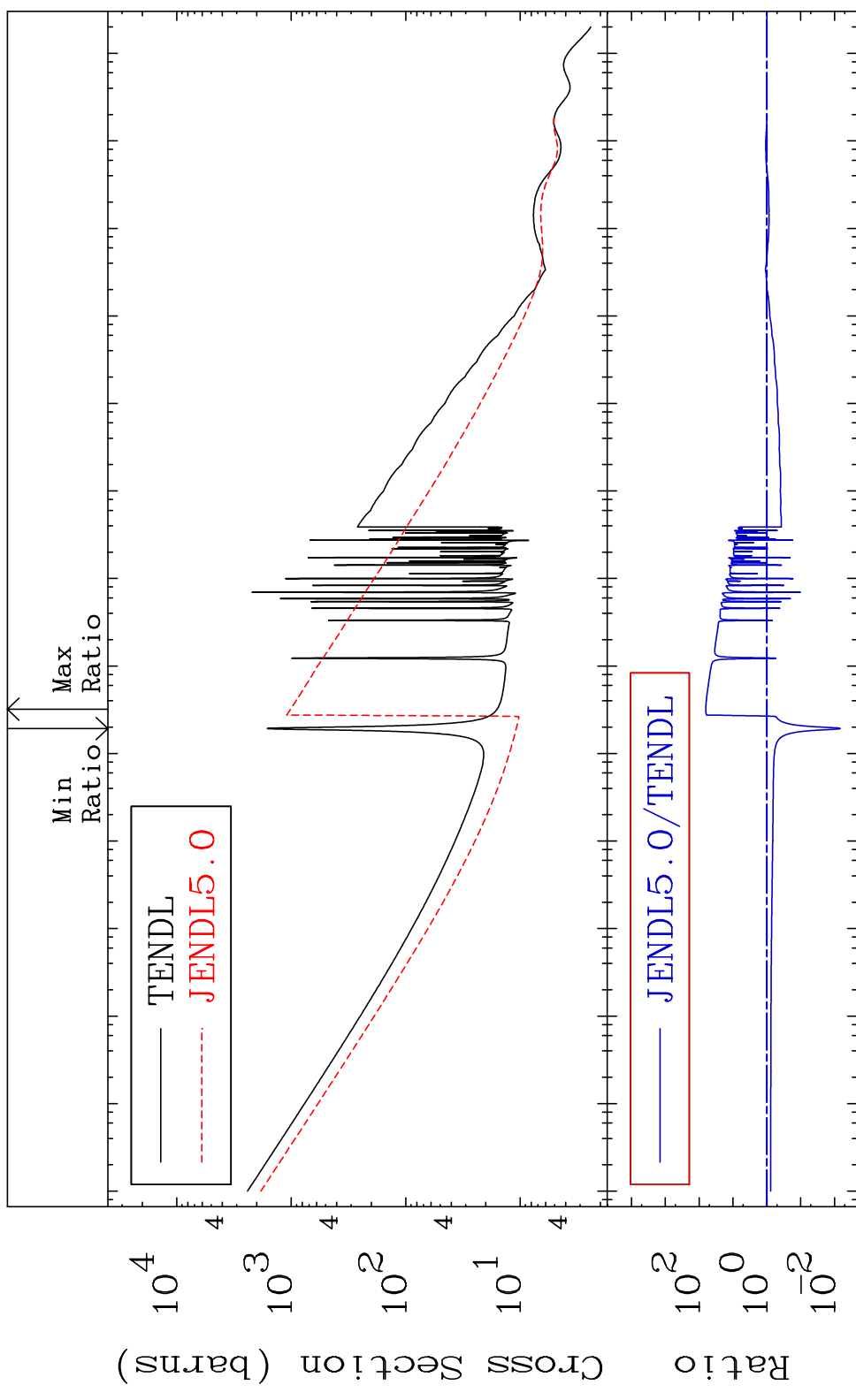
Press Mouse Button to Start

MAT 6619

Total

66-Dy-154

Cross Section -99.33 To 6261. %



10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

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

1

Incident Energy (eV)

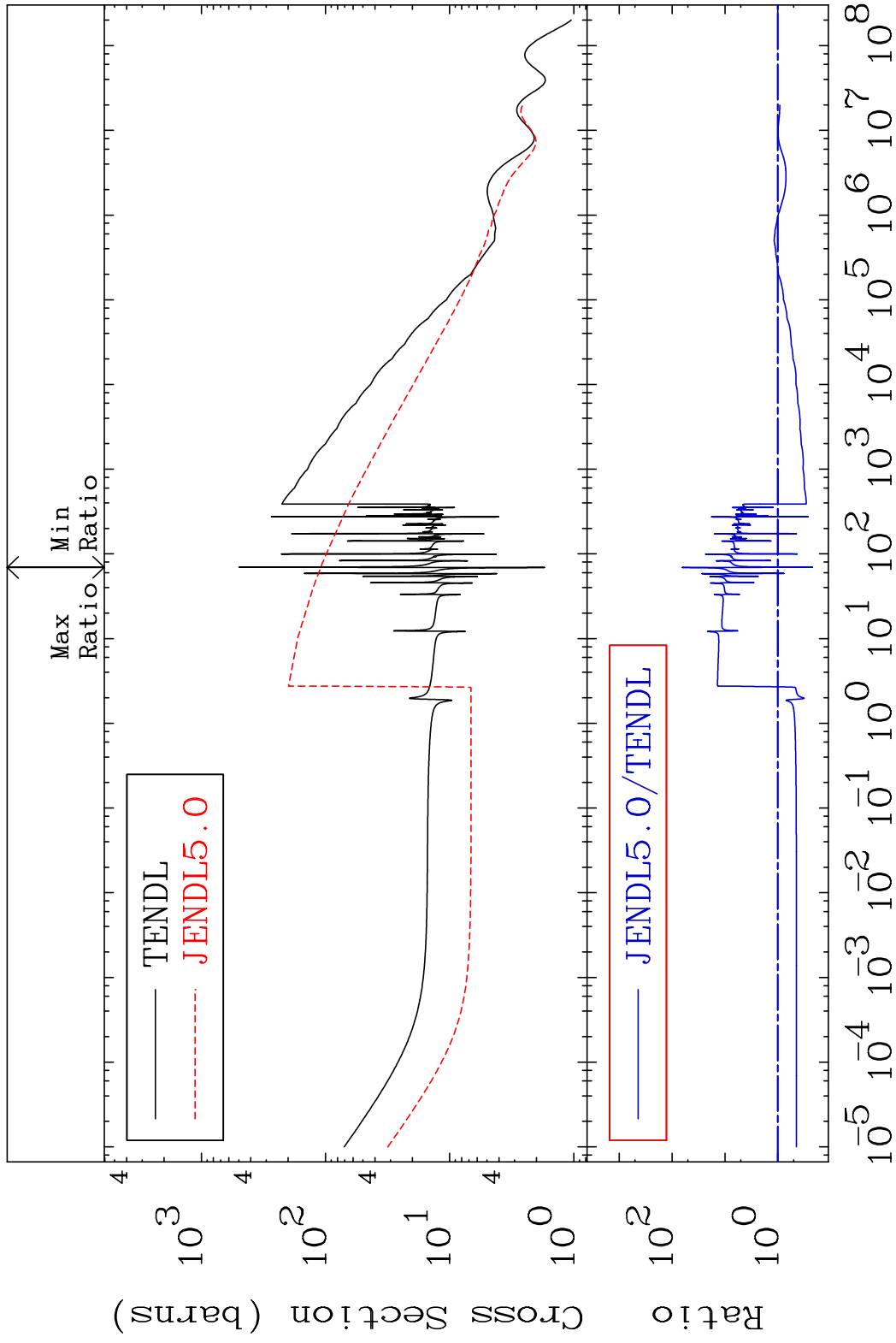
66-Dy-154

MAT 6619

Elastic

66-Dy-154

Cross Section -77.95 To 6278. %



2

Incident Energy (eV)

66-Dy-154

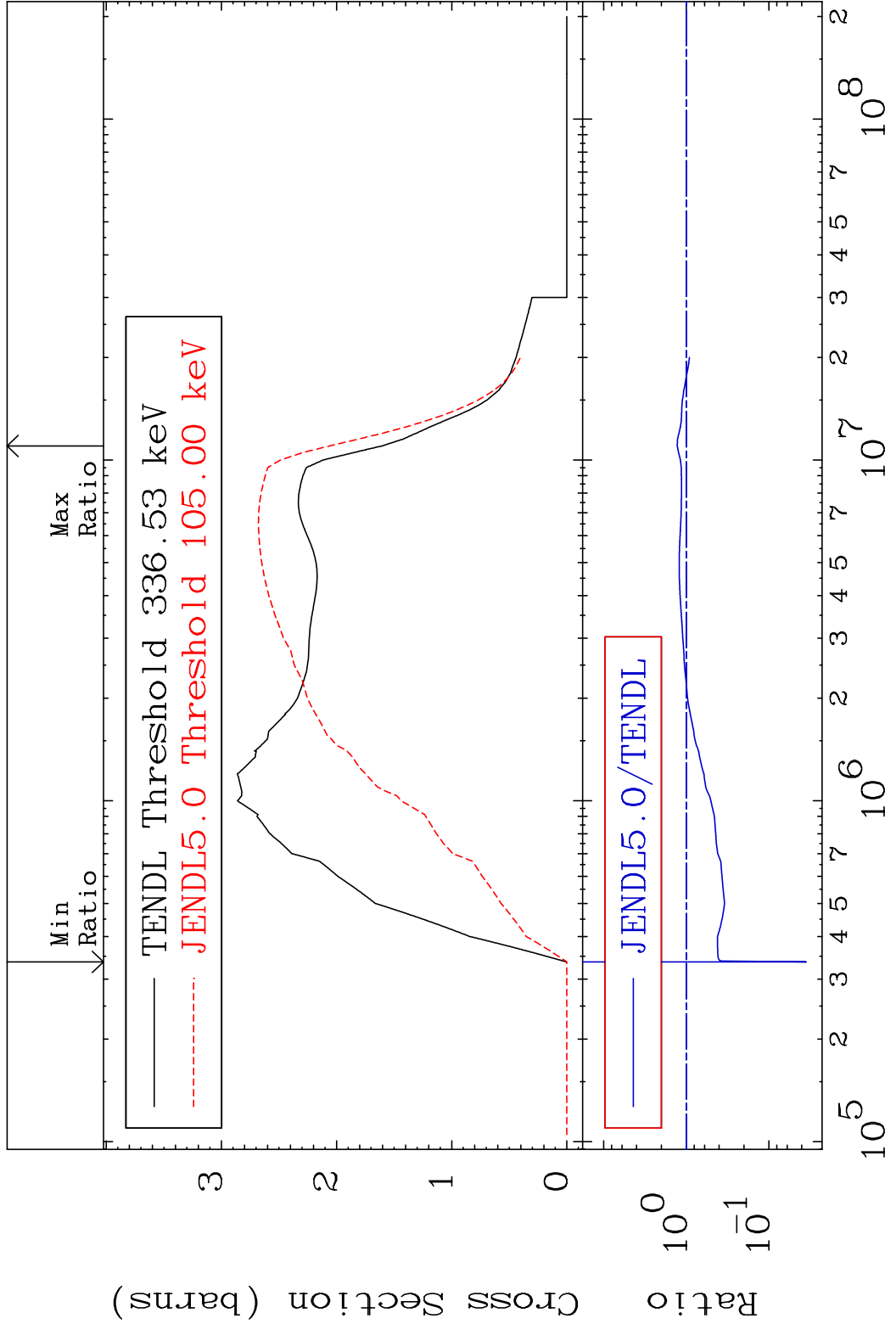
MAT 6619

Inelastic

66-Dy-154

Cross Section

-96.49 To 28.53 %



3

Incident Energy (eV)

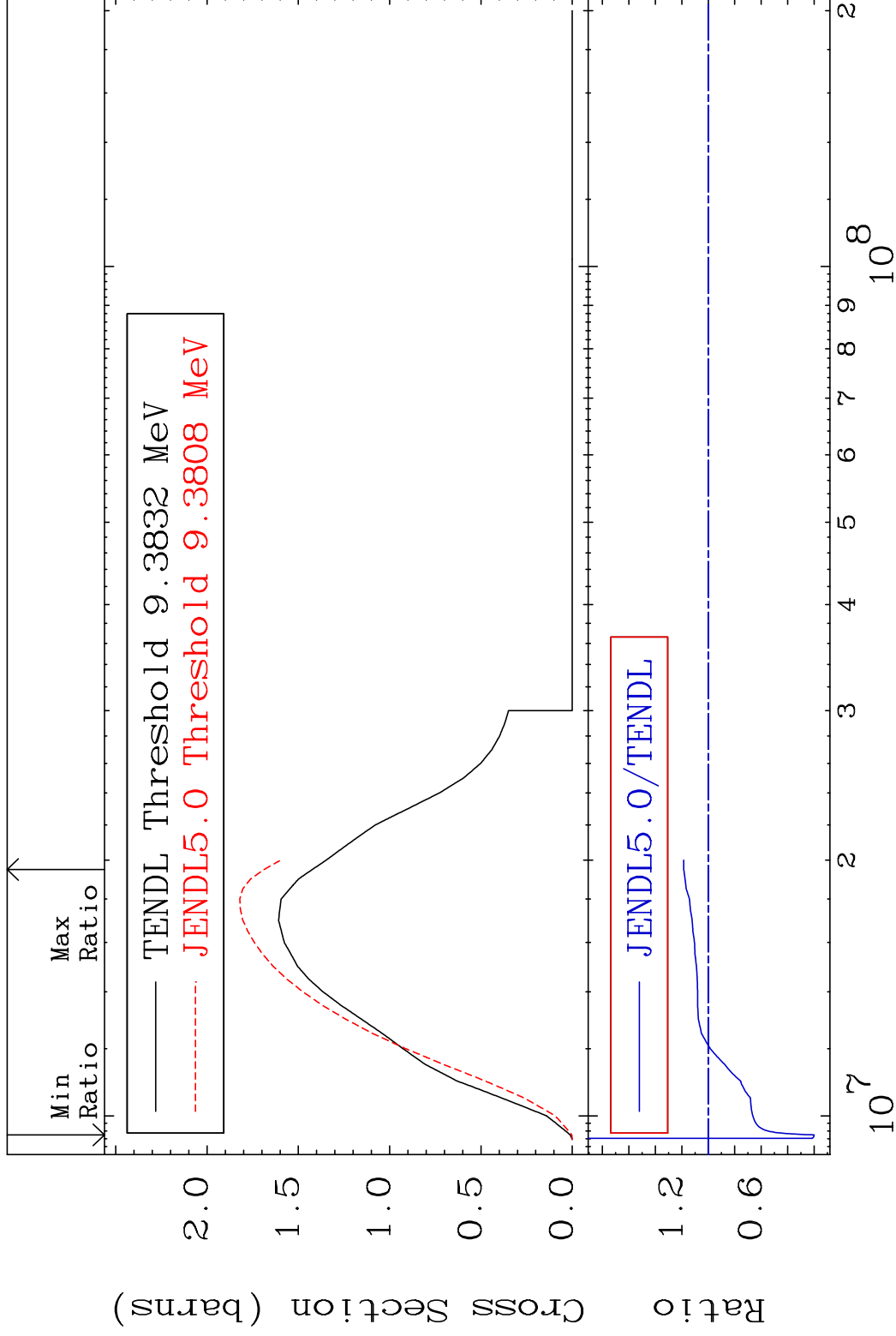
66-Dy-154

MAT 6619

(n,2n)

66-Dy-154

Cross Section -79.91 To 18.57 %



4

Incident Energy (eV)

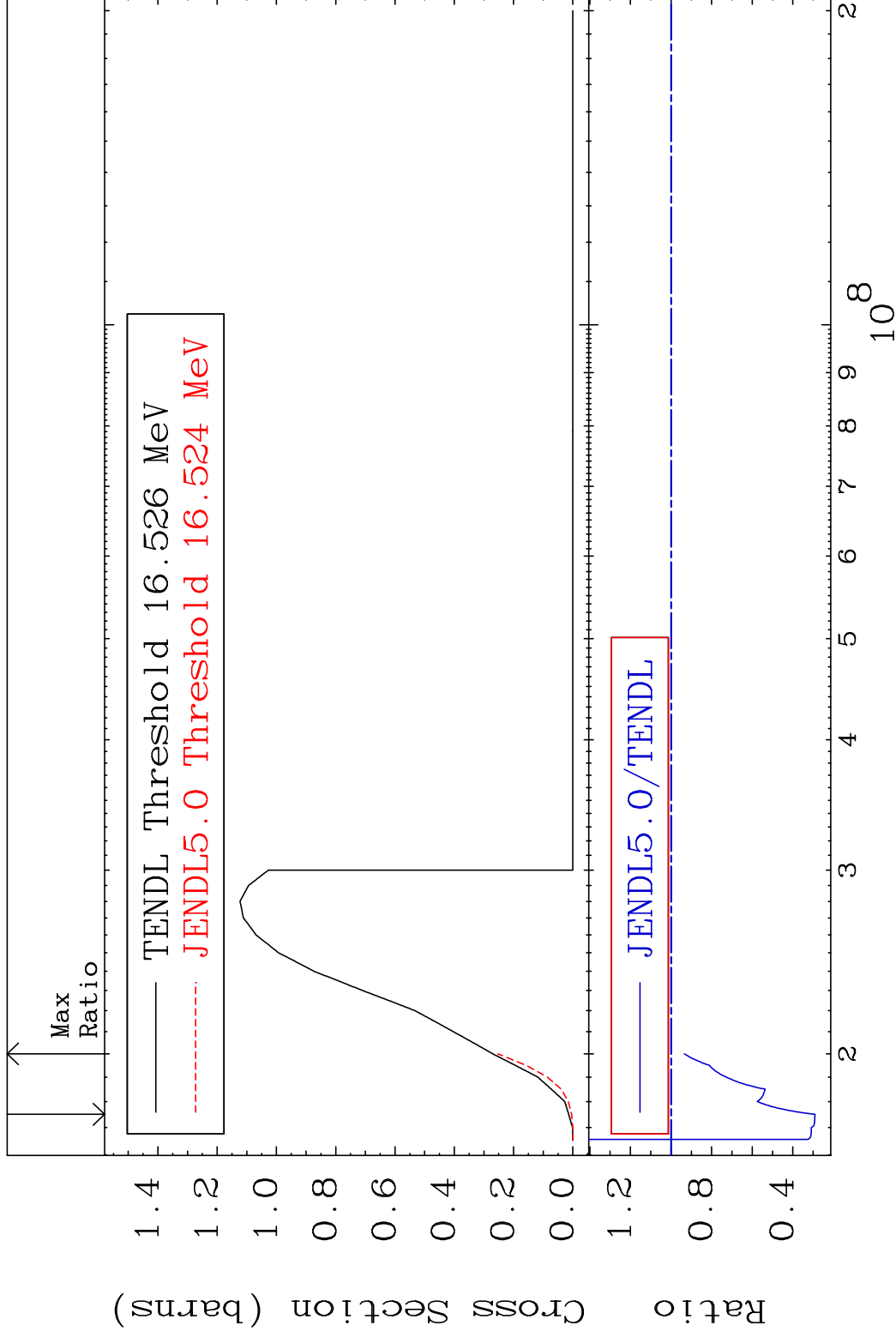
66-Dy-154

MAT 6619

(n,3n)

66-Dy-154

Cross Section -70.85 To -6.546%



5

Incident Energy (eV)

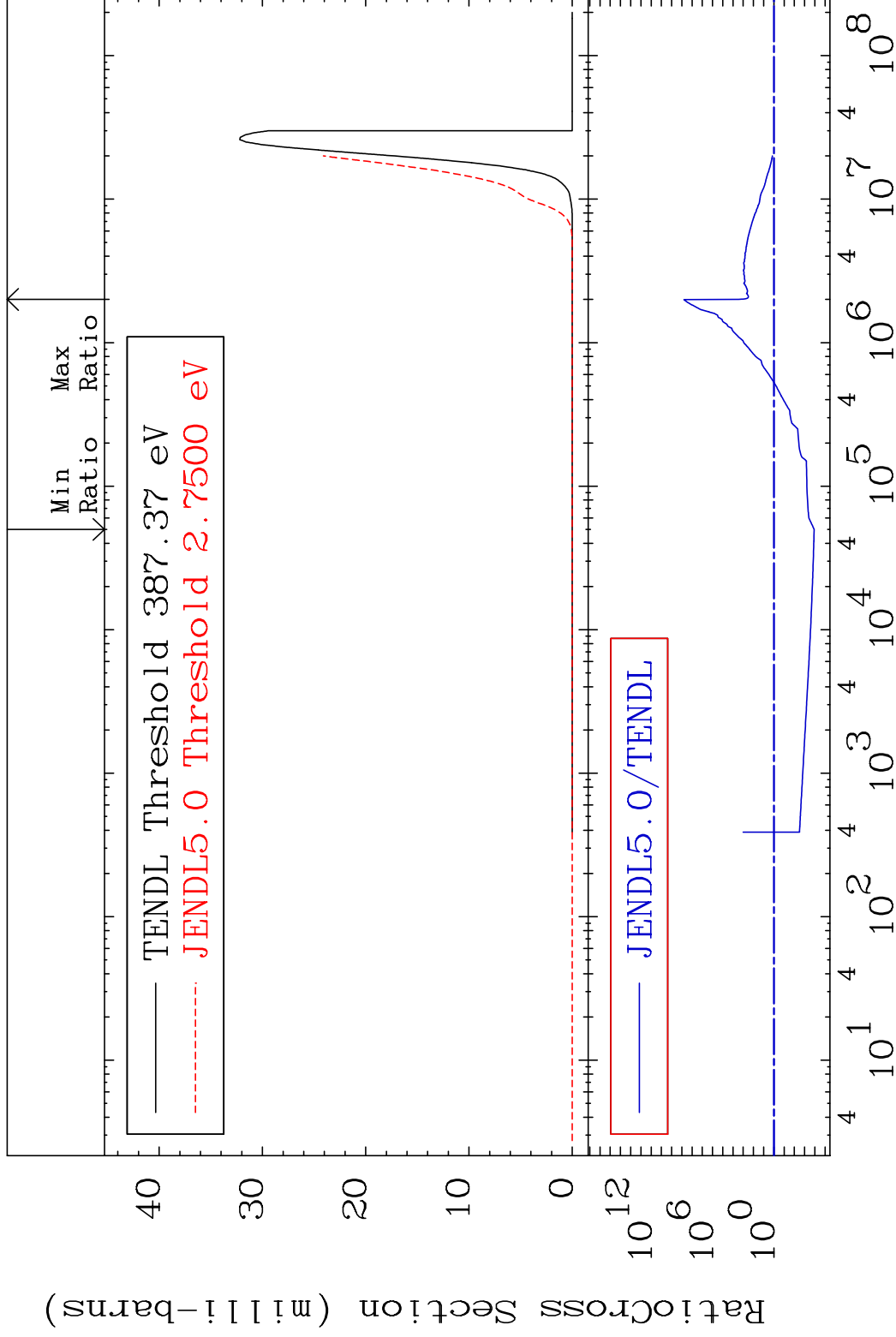
66-Dy-154

MAT 6619

(n, n') α

66-Dy-154

Cross Section -99.99 To 9999. %



6

Incident Energy (eV)

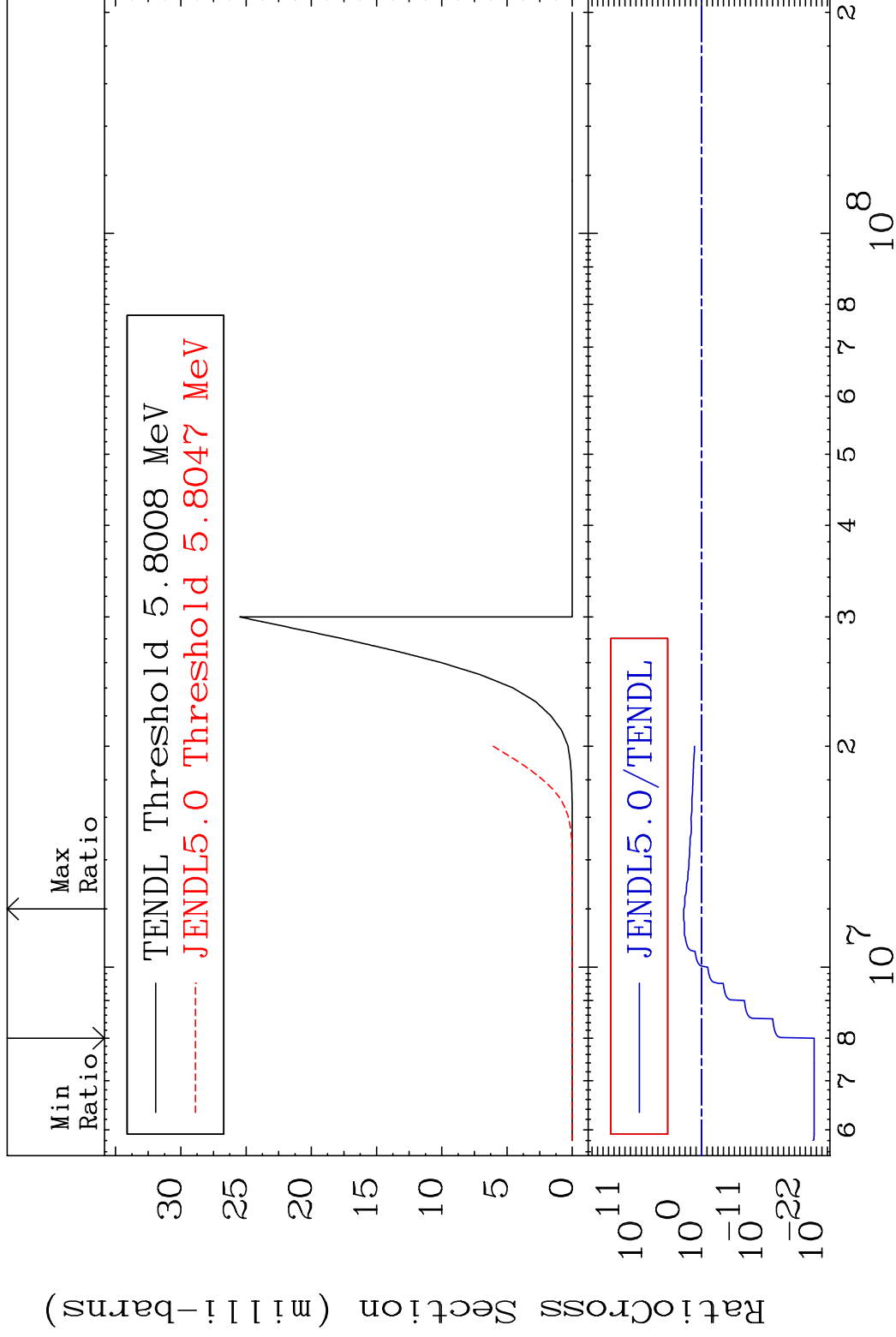
66-Dy-154

MAT 6619

(n,2n) α

66-Dy-154

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

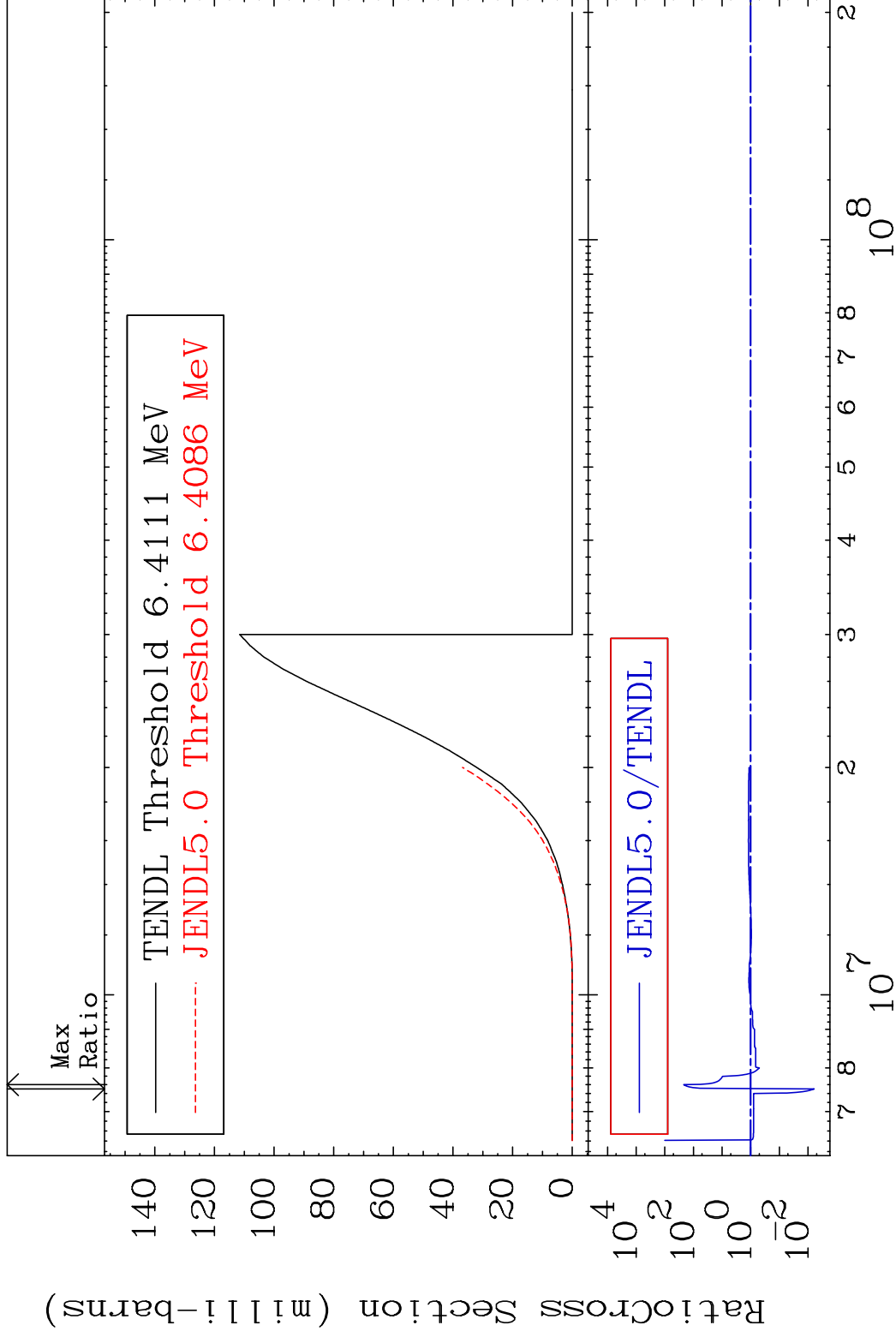
66-Dy-154

MAT 6619

(n, n') p

66-Dy-154

Cross Section -99.39 To 9999. %



8

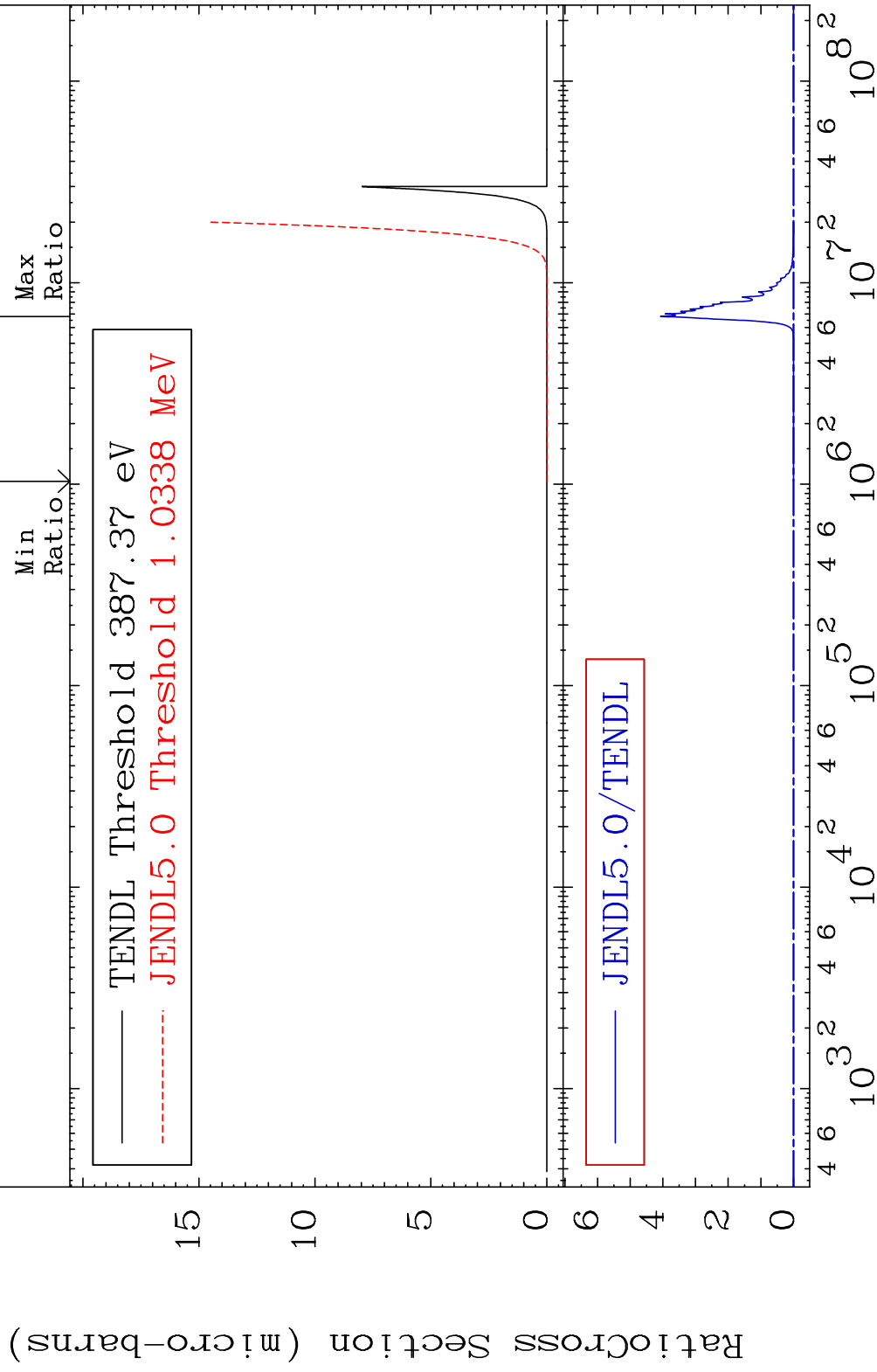
Incident Energy (eV)

66-Dy-154

MAT 6619

(n, n') 2α 66-Dy-154

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

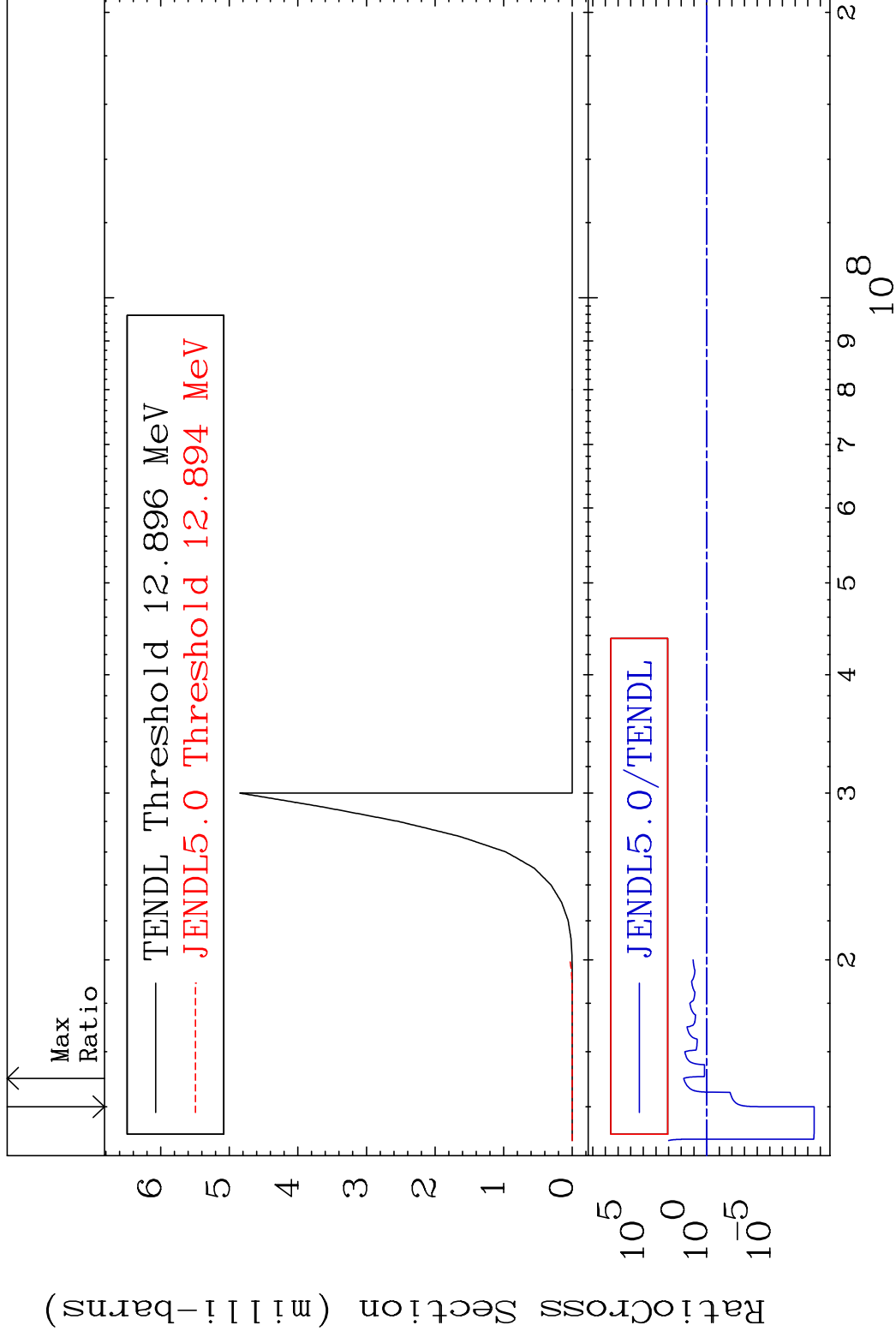
66-Dy-154

MAT 6619

(n, n') d

66-Dy-154

Cross Section -100.0 To 6394. %



10

Incident Energy (eV)

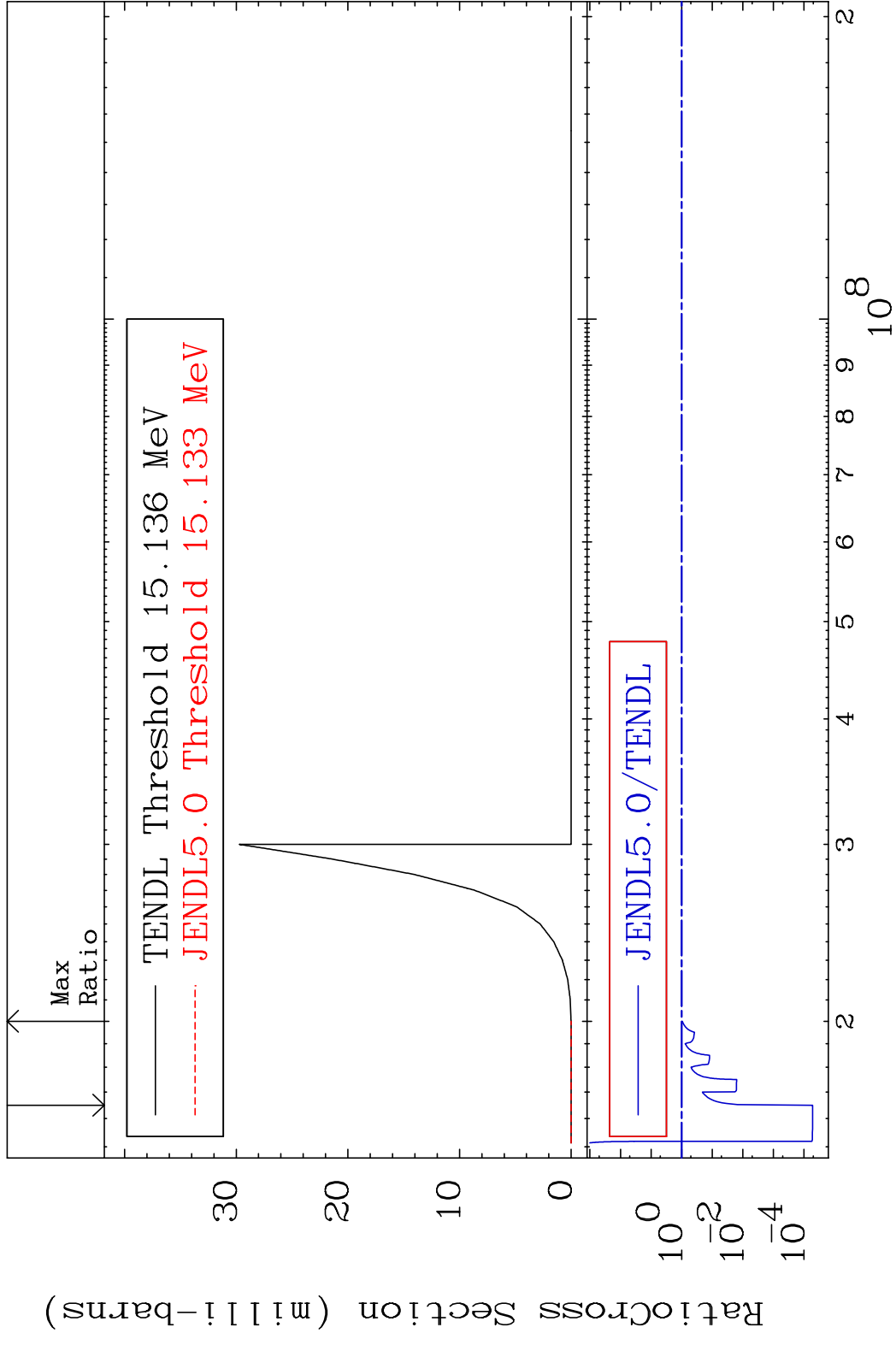
66-Dy-154

MAT 6619

(n,2n) p

66-Dy-154

Cross Section -99.99 To -4.978%

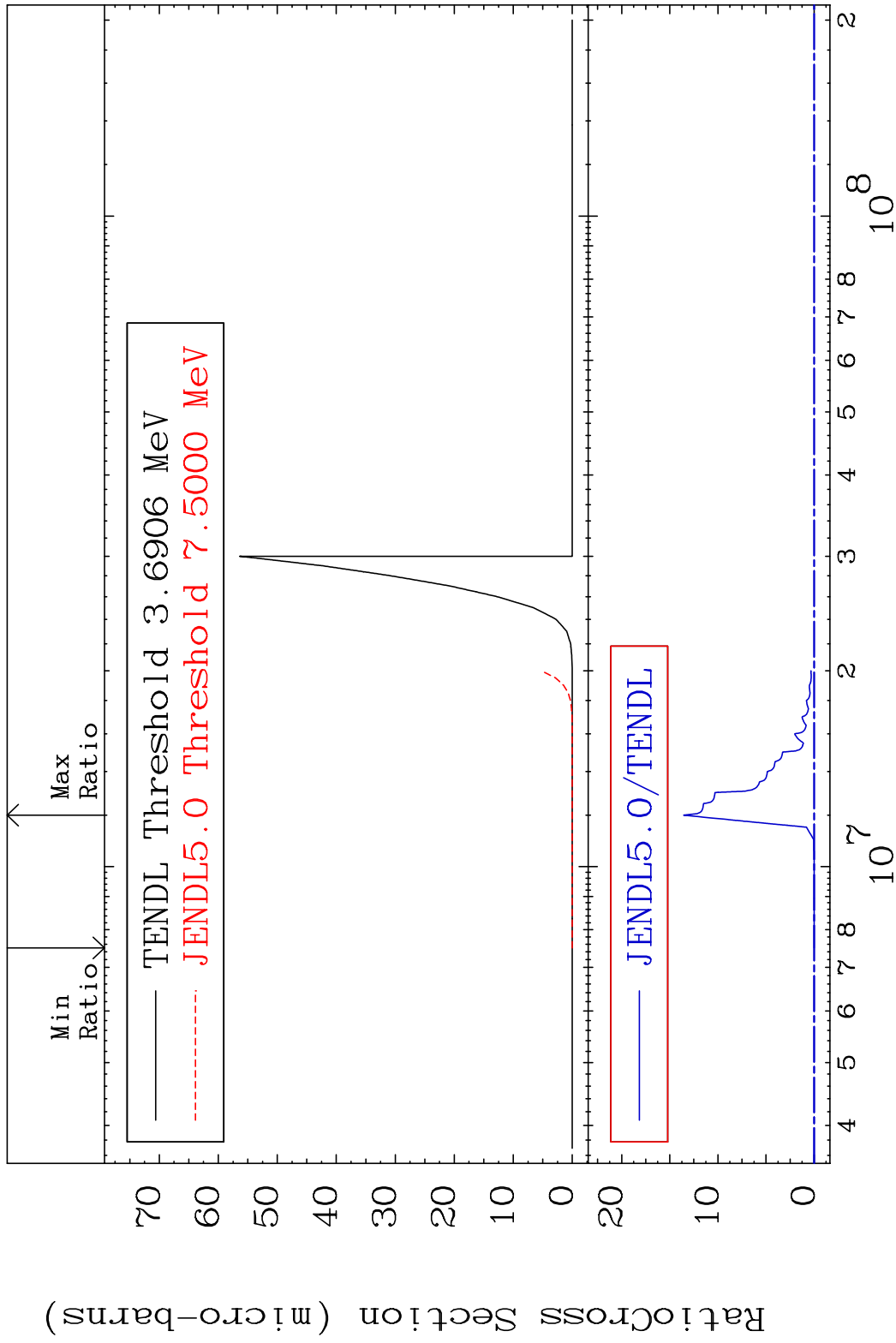


MAT 6619

(n,n') p α

66-Dy-154

Cross Section -100.0 To 9999. %

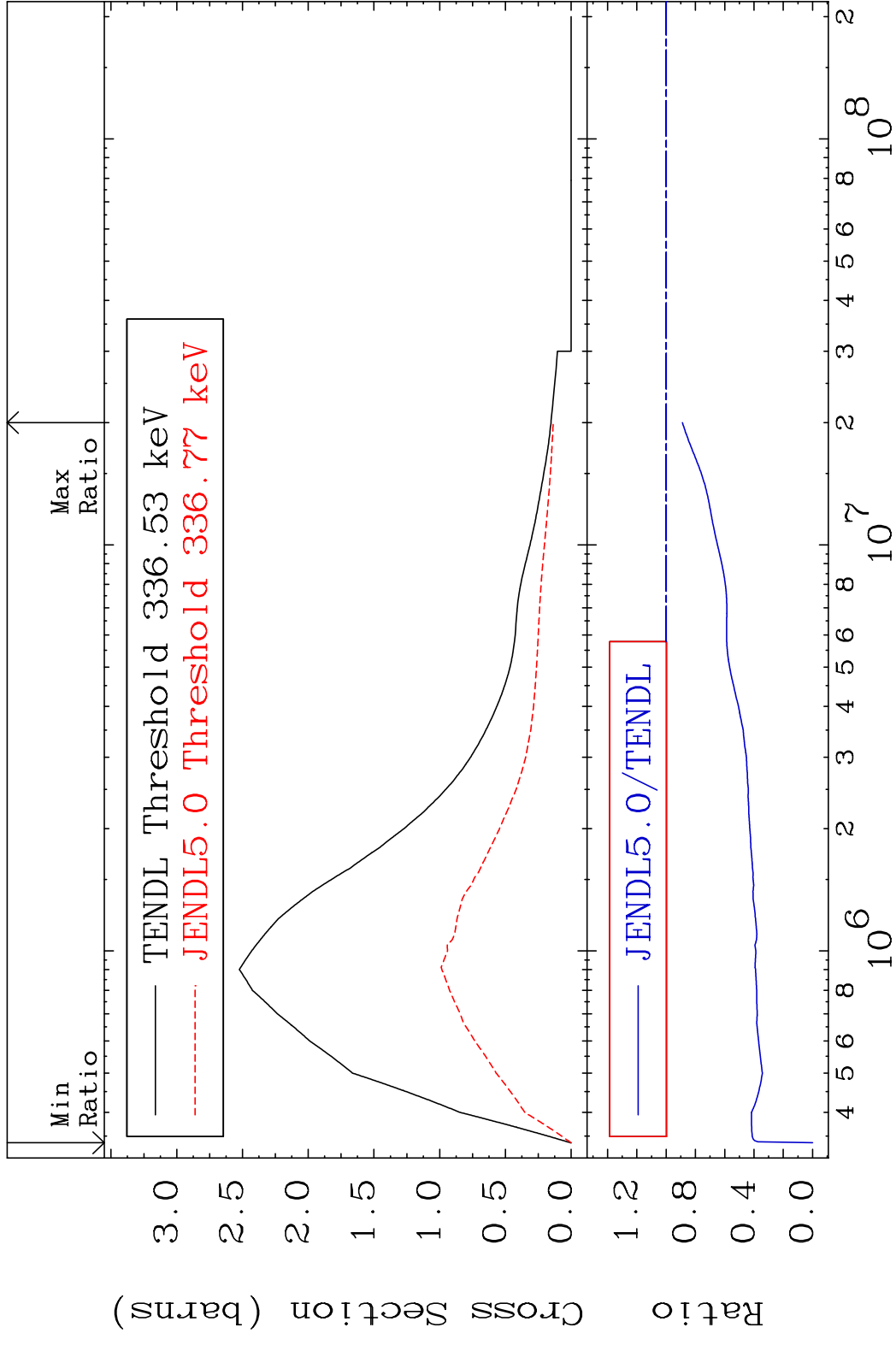


12

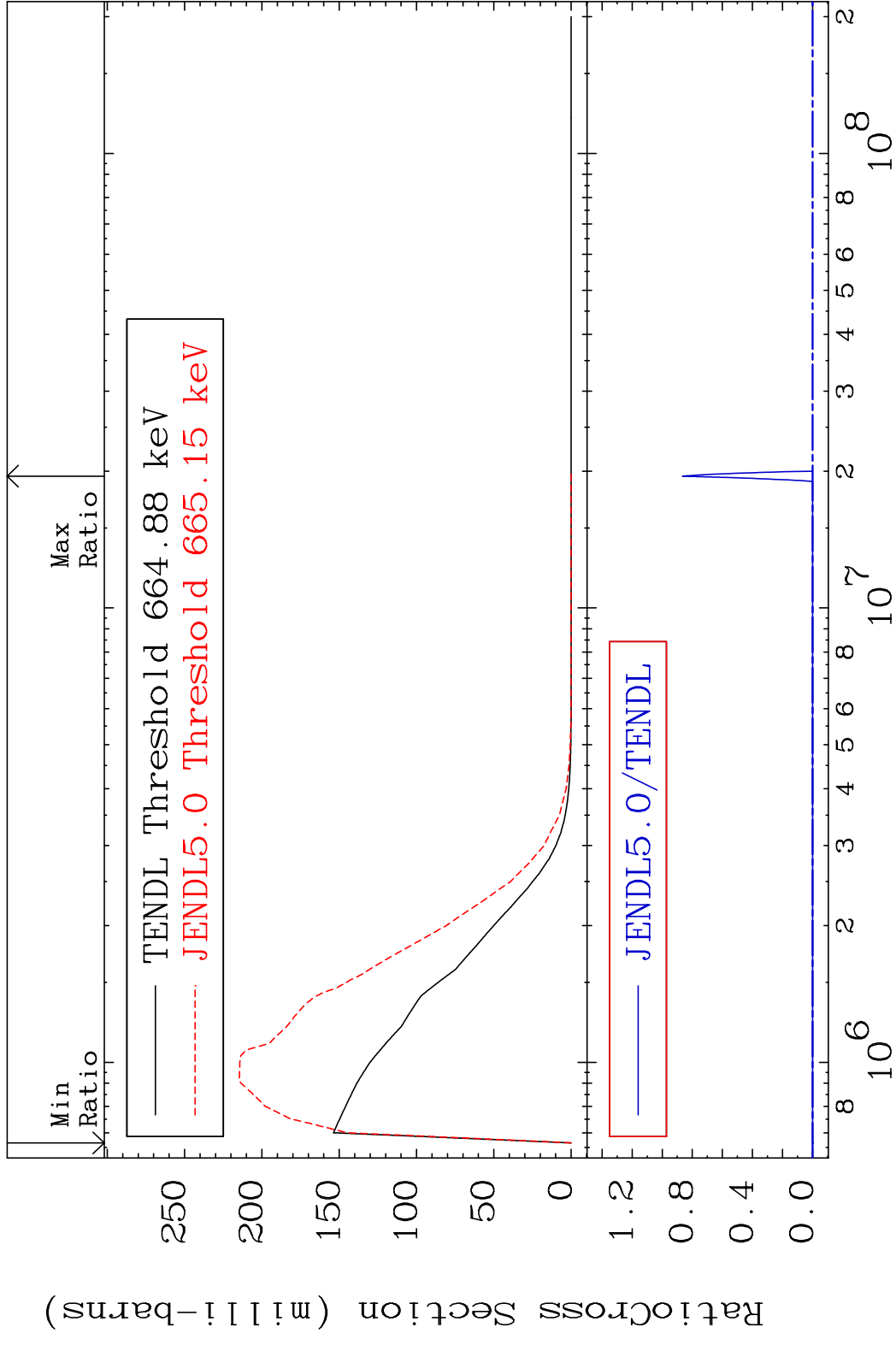
Incident Energy (eV)

66-Dy-154

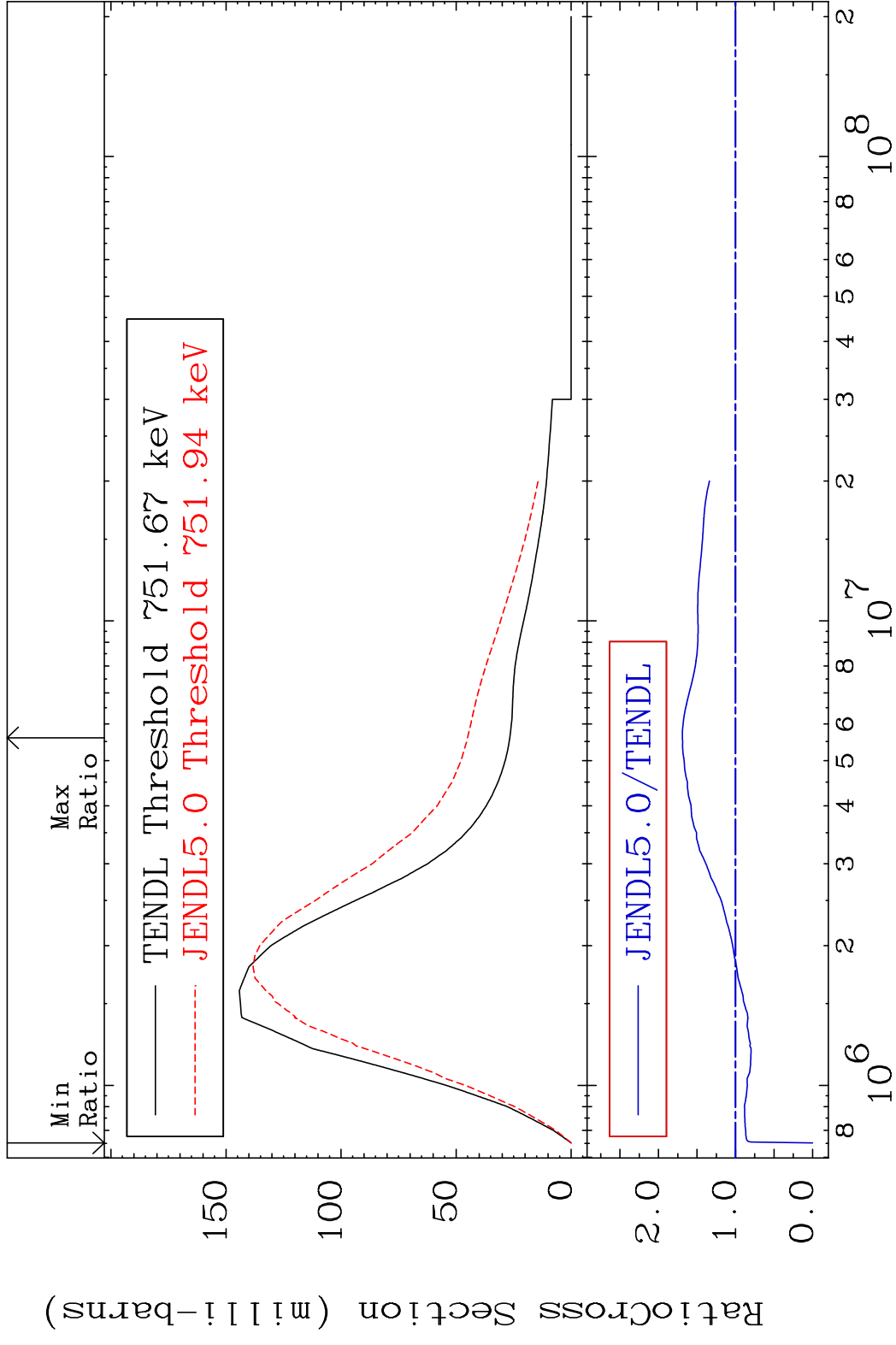
MAT 6619 MT= 51 (n, n') Level 66-Dy-154
 Cross Section -100.0 To -11.06%



MAT 6619 MT= 52 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 9999. %

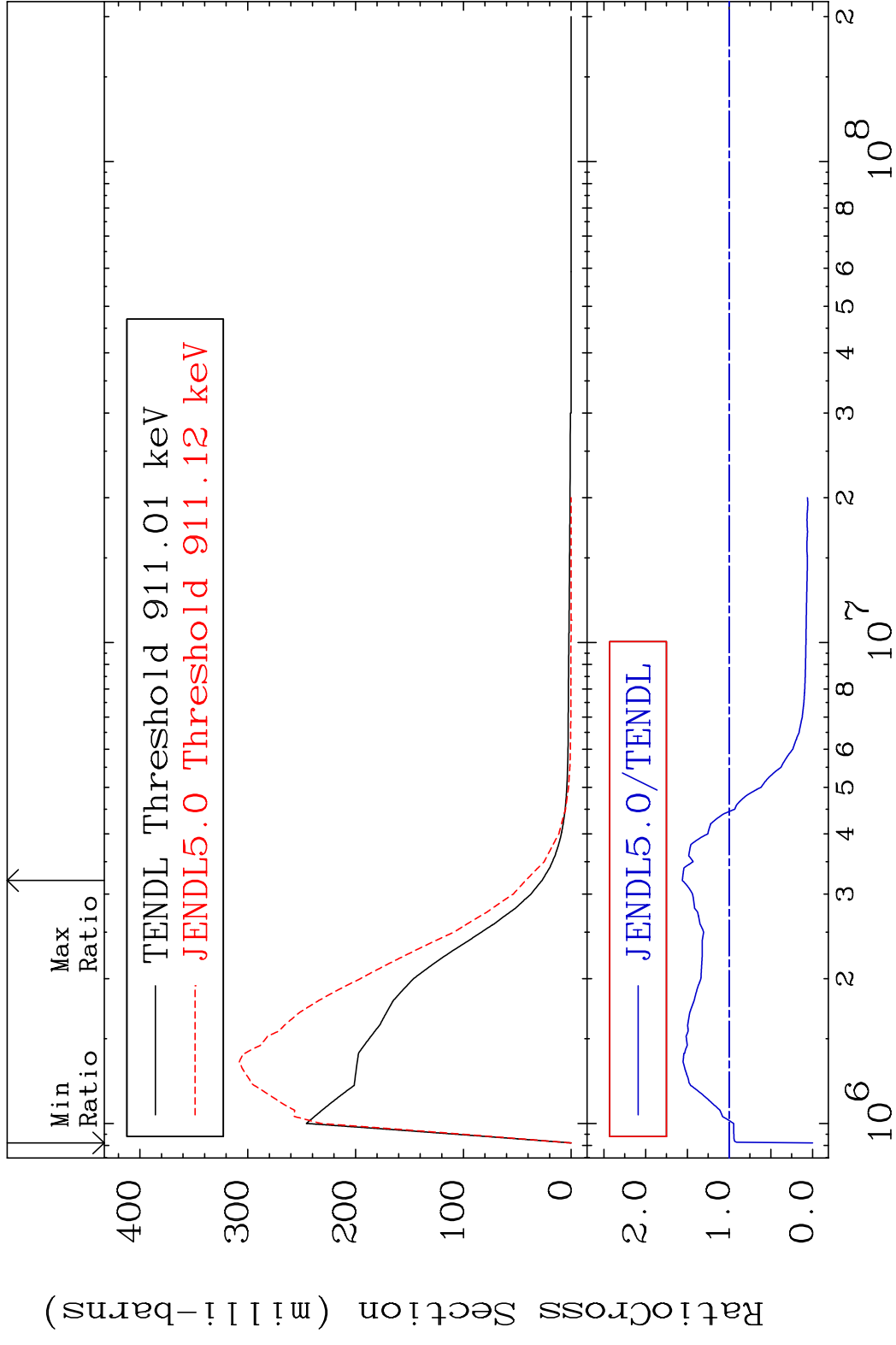


MAT 6619 MT= 53 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 69.02 %



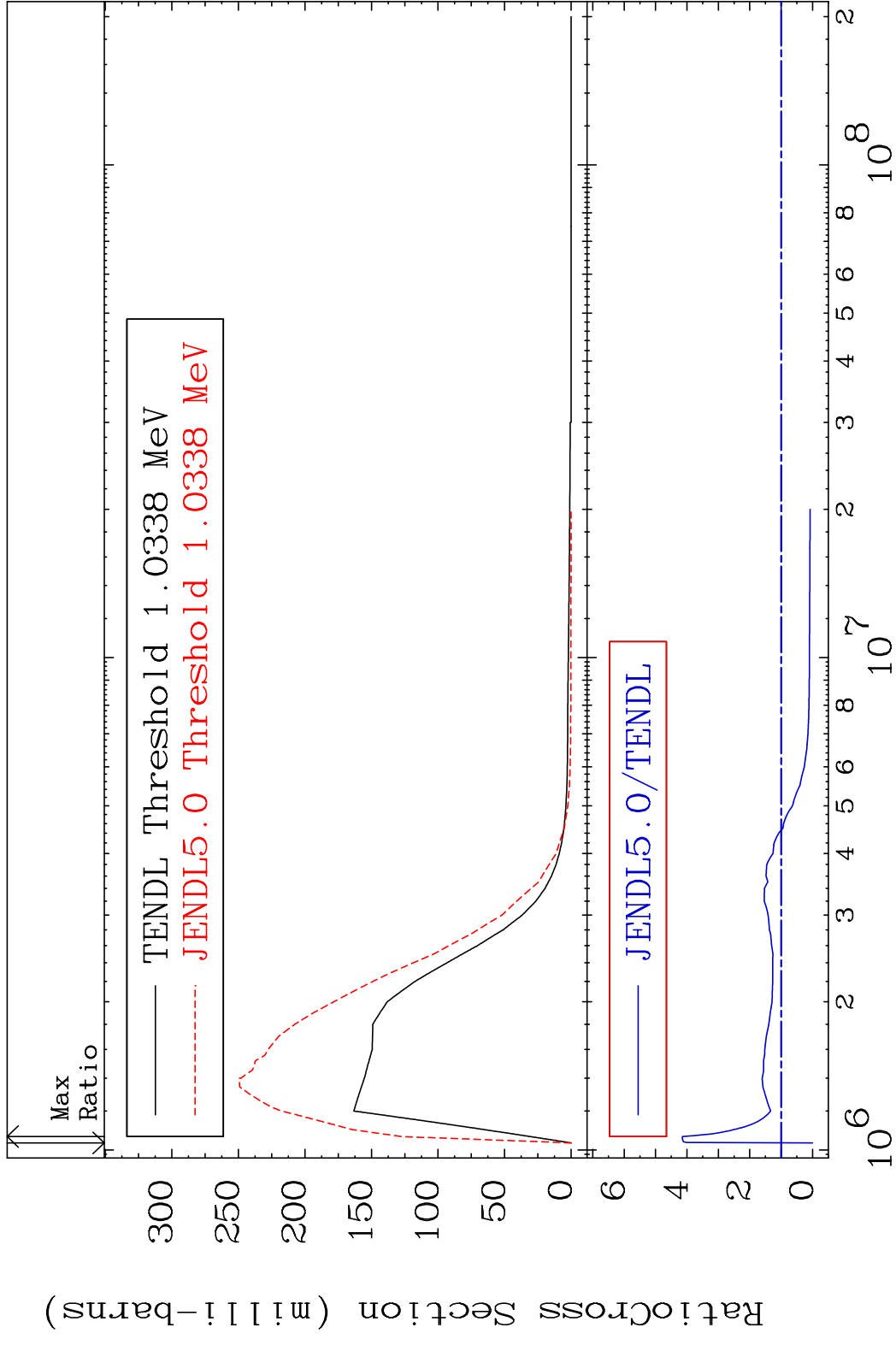
15 Incident Energy (eV) 66-Dy-154

MAT 6619 MT= 54 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 56.00 %

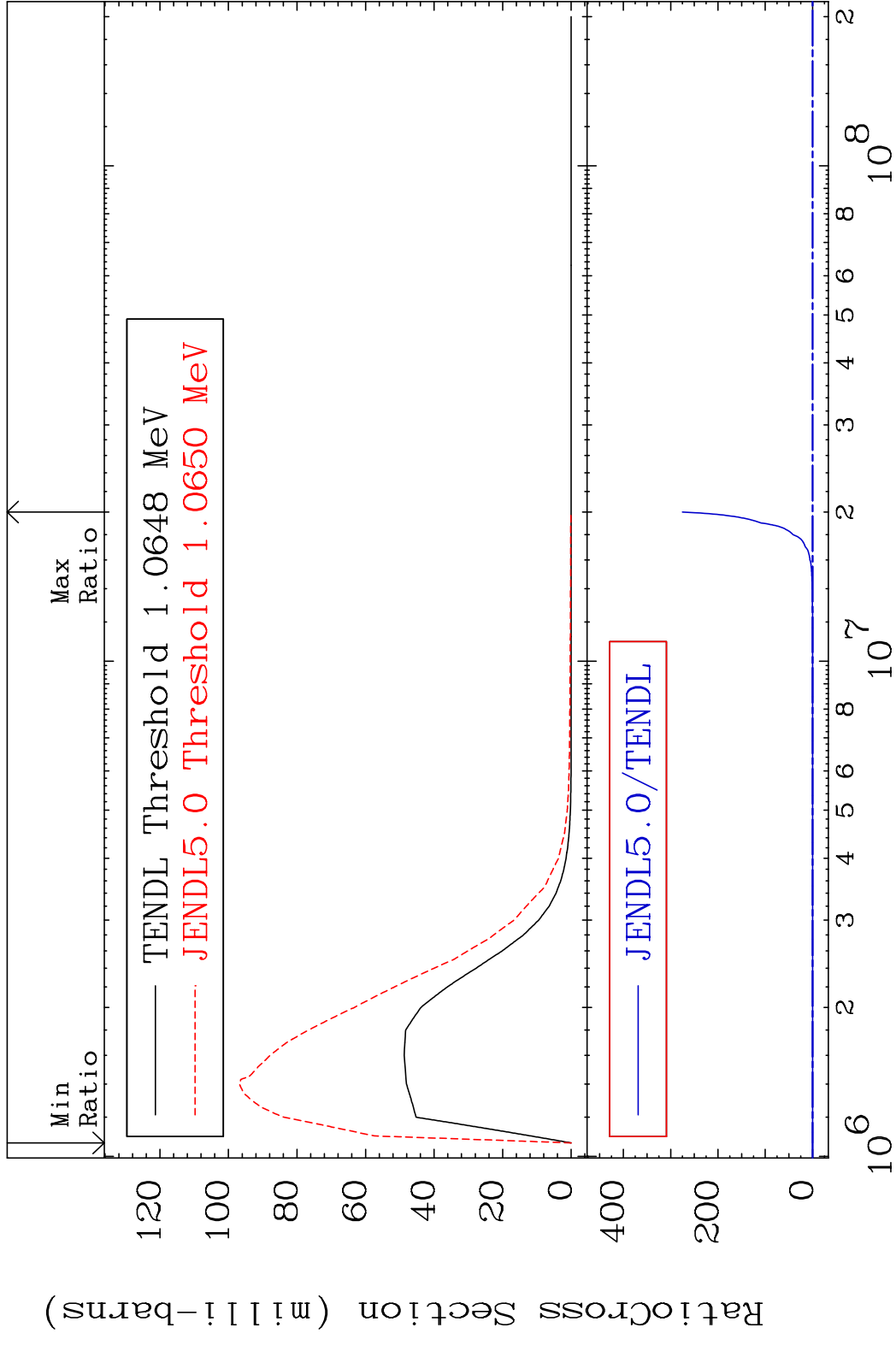


16 Incident Energy (eV) 66-Dy-154

MAT 6619 MT= 55 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 314.7 %

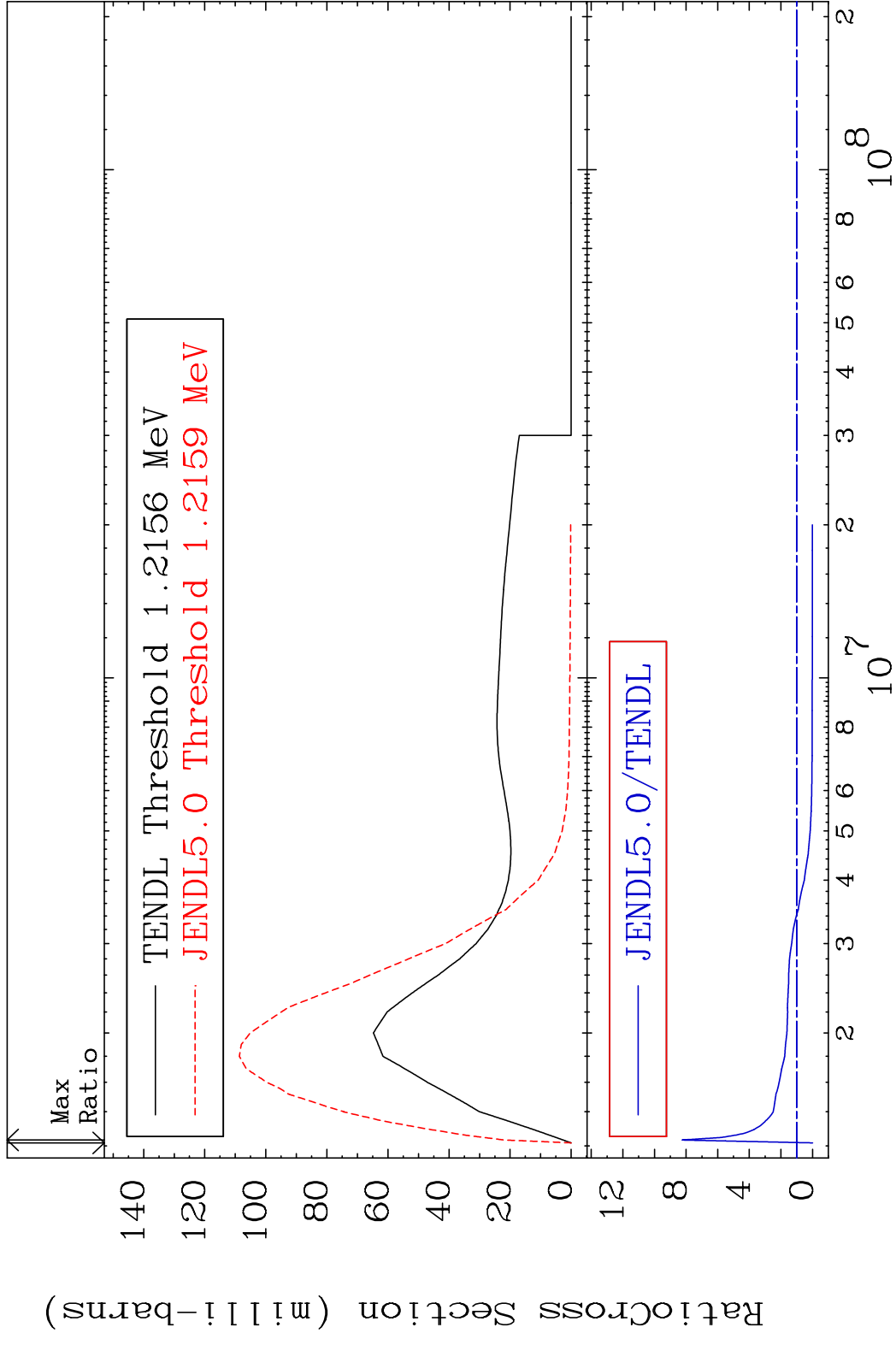


MAT 6619 MT= 56 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 9999. %

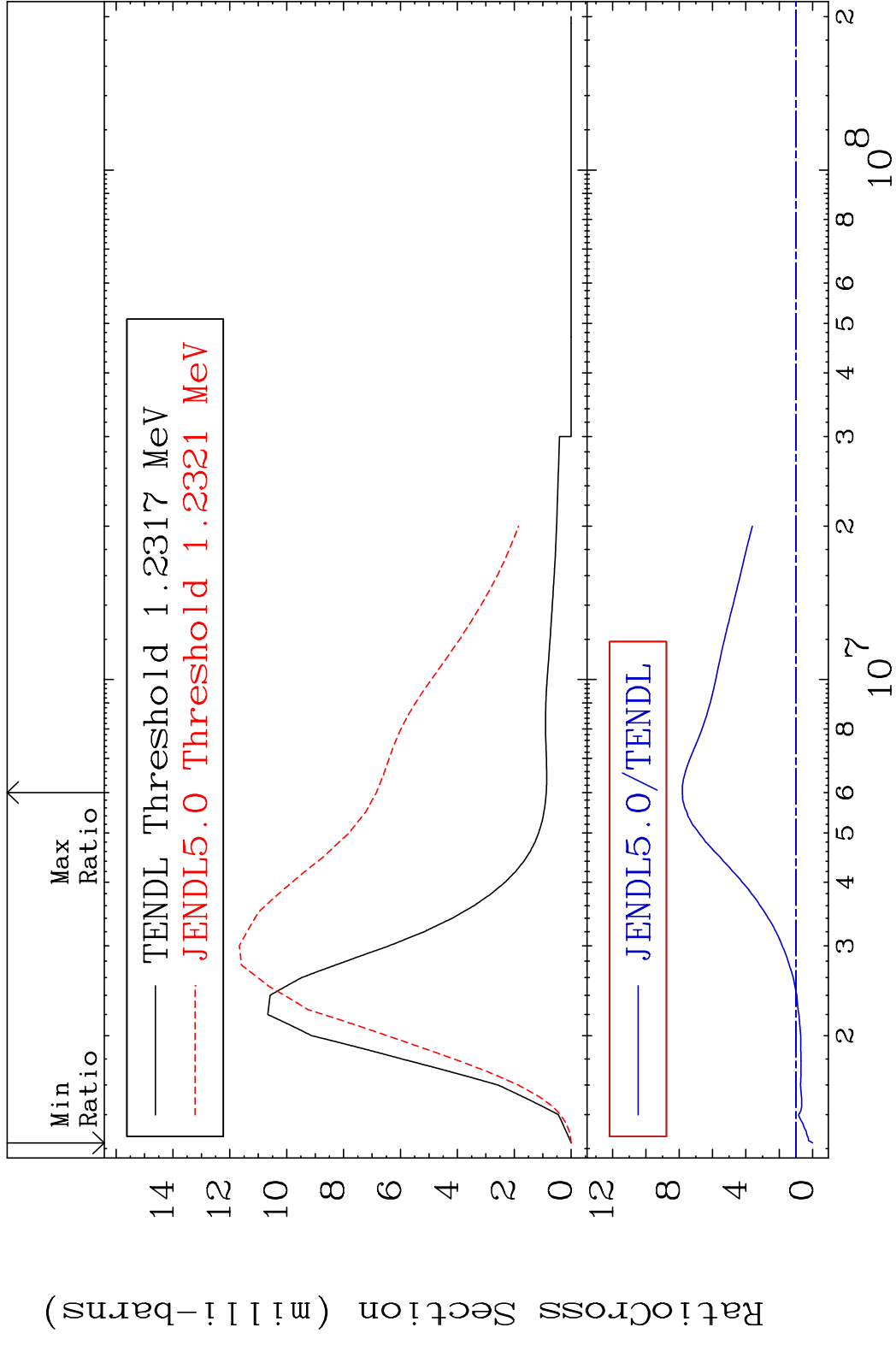


18 Incident Energy (eV) 66-Dy-154

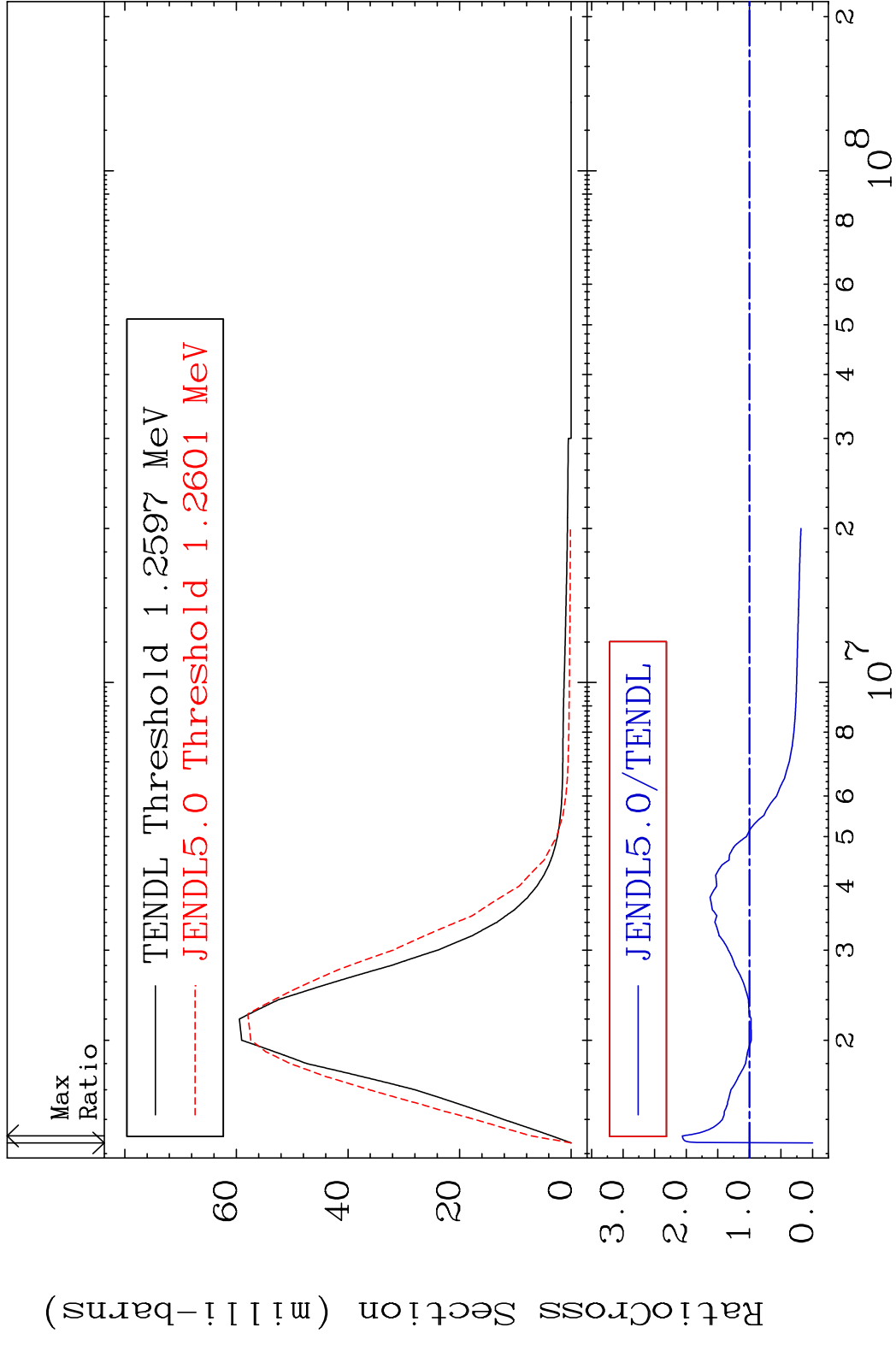
MAT 6619 MT= 57 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 723.6 %



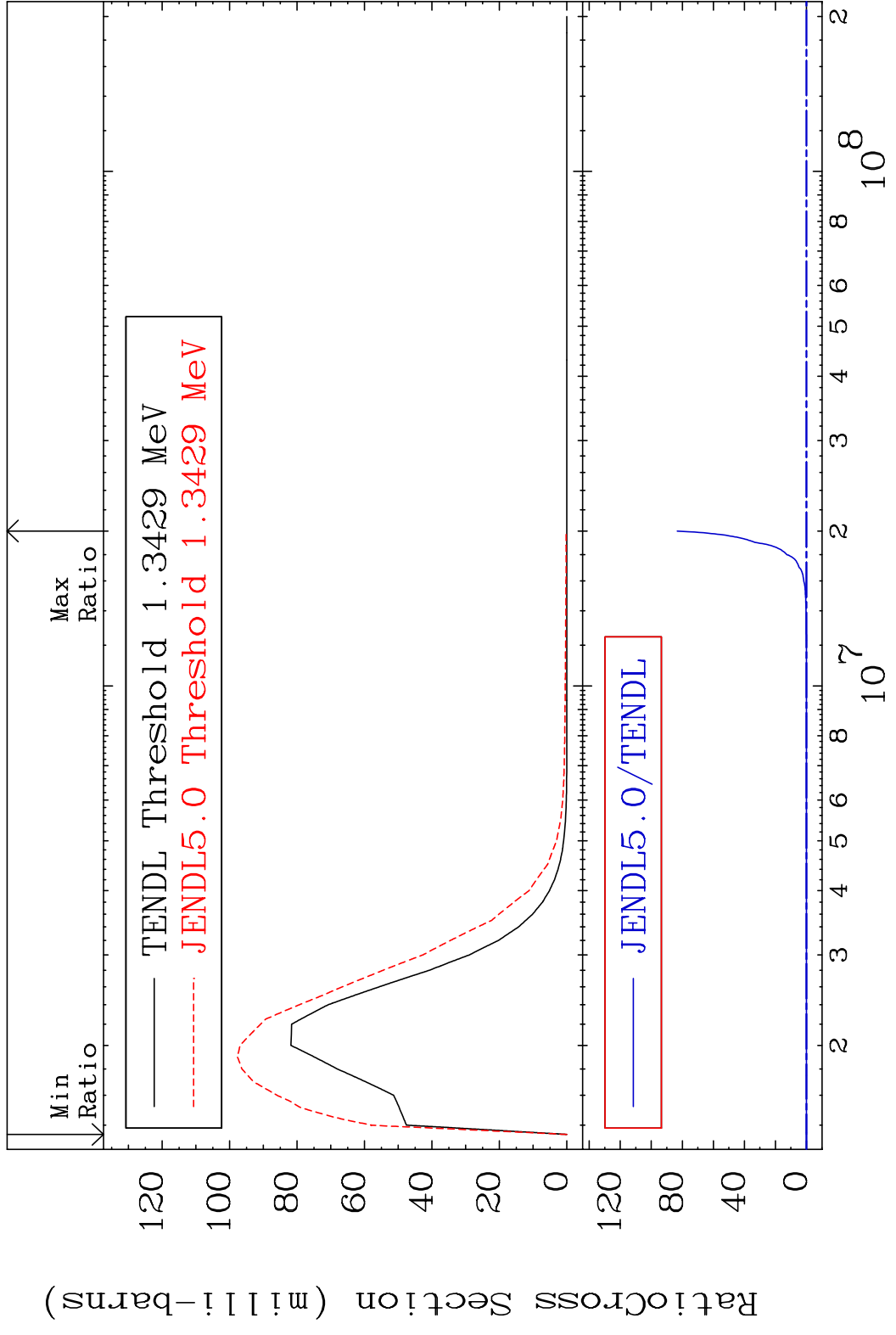
MAT 6619 MT= 58 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 681.2 %



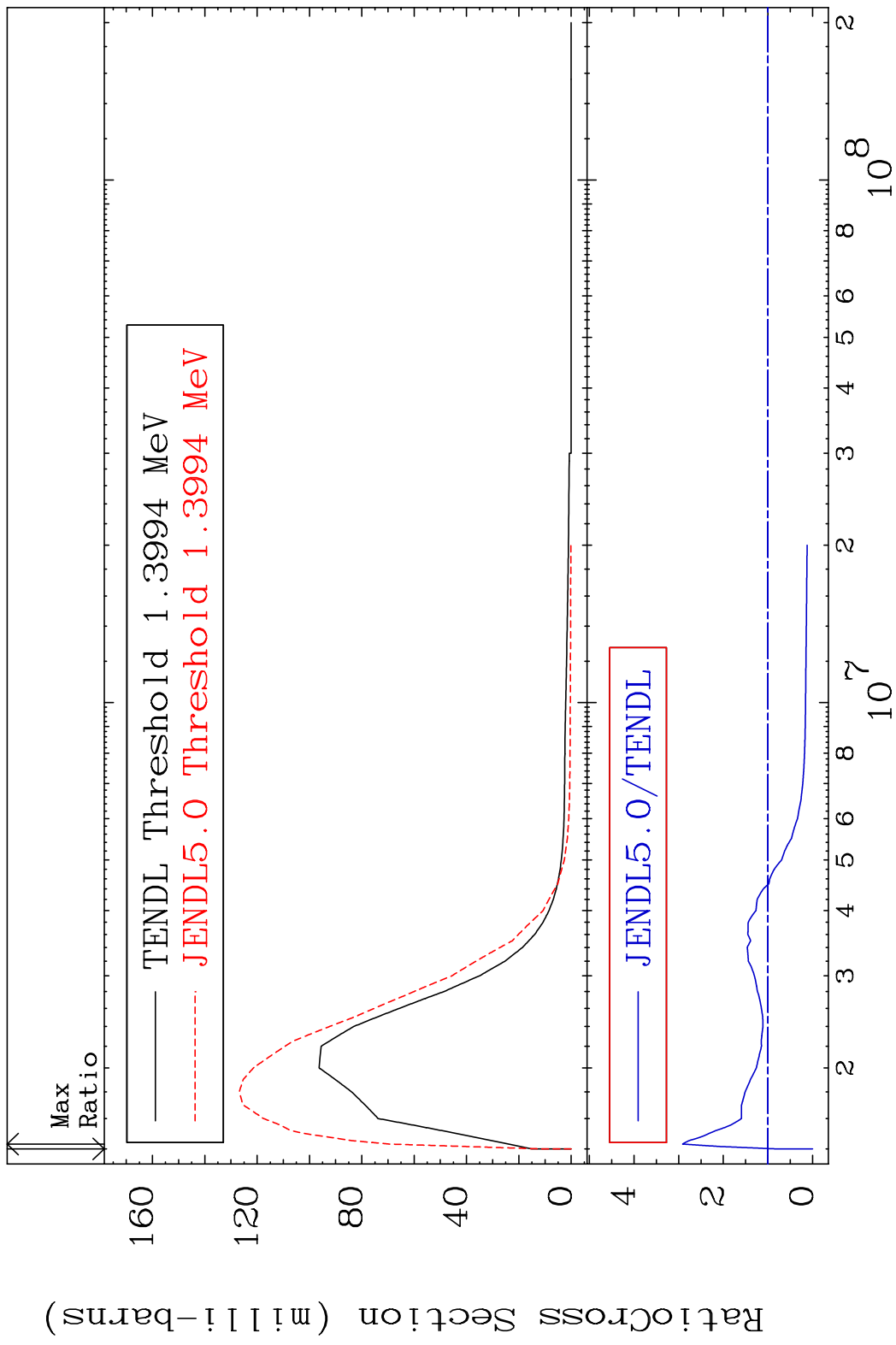
MAT 6619 MT= 59 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 106.2 %



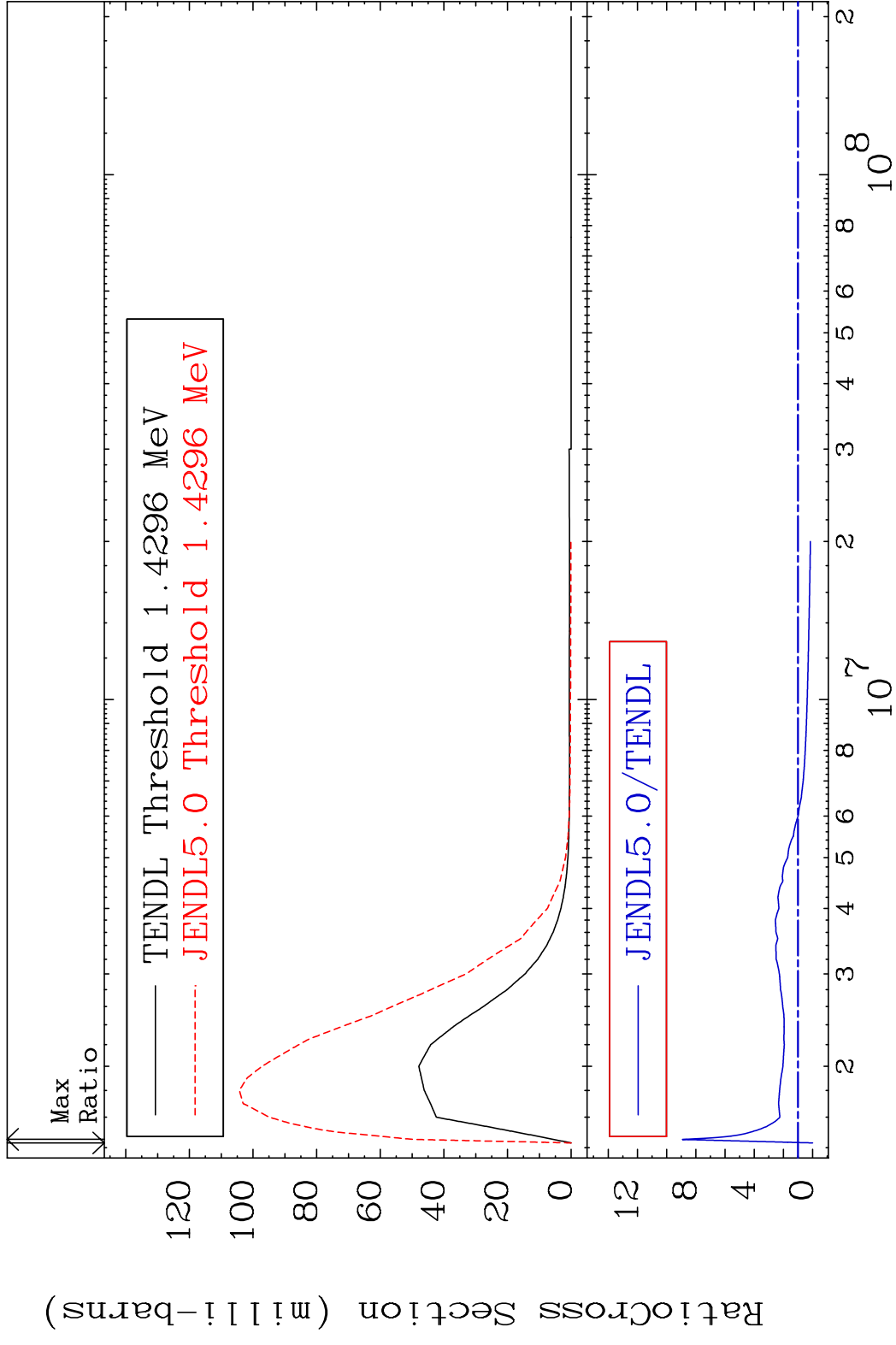
MAT 6619 MT= 60 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 9999. %



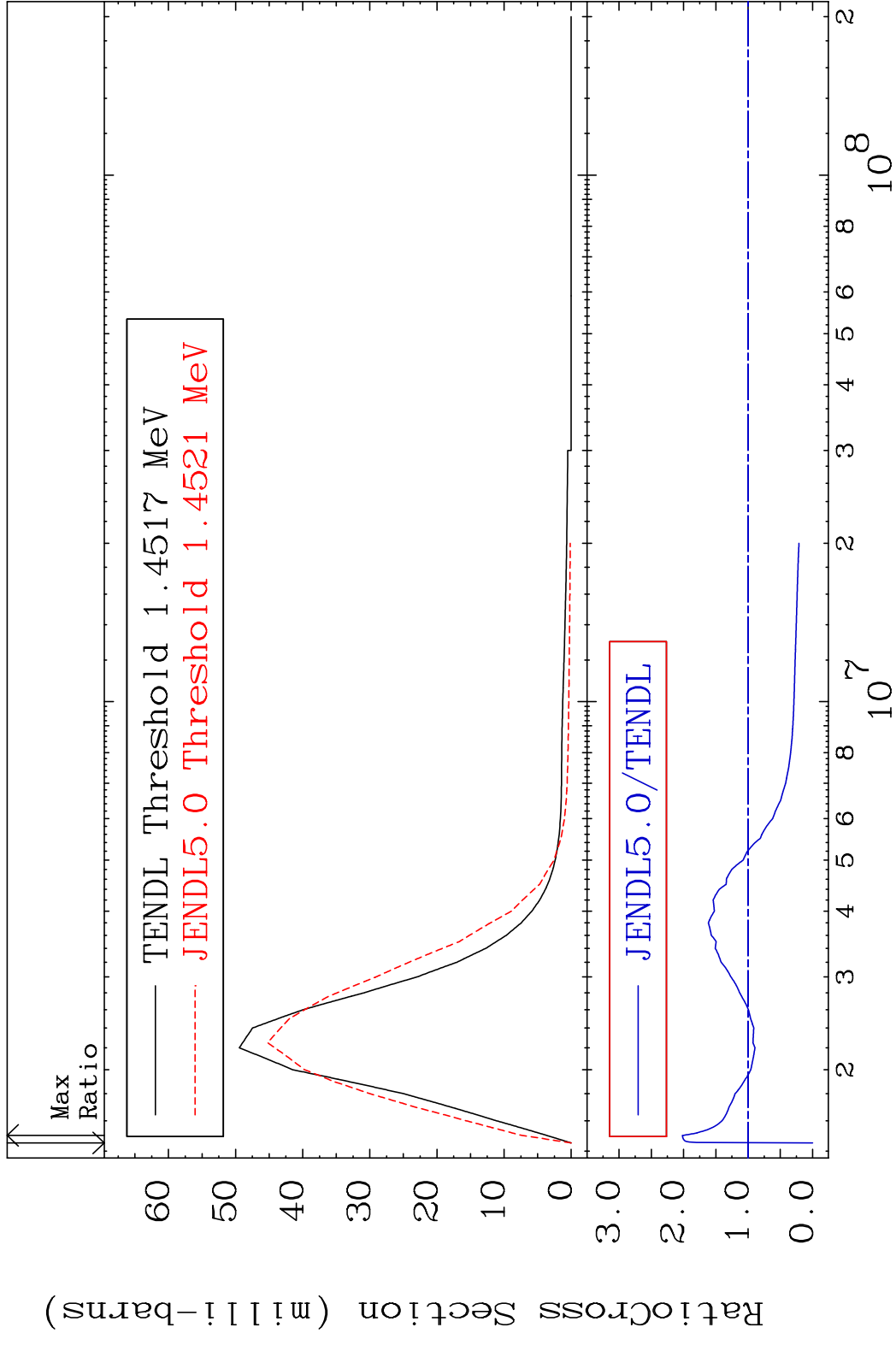
MAT 6619 MT= 61 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 191.8 %



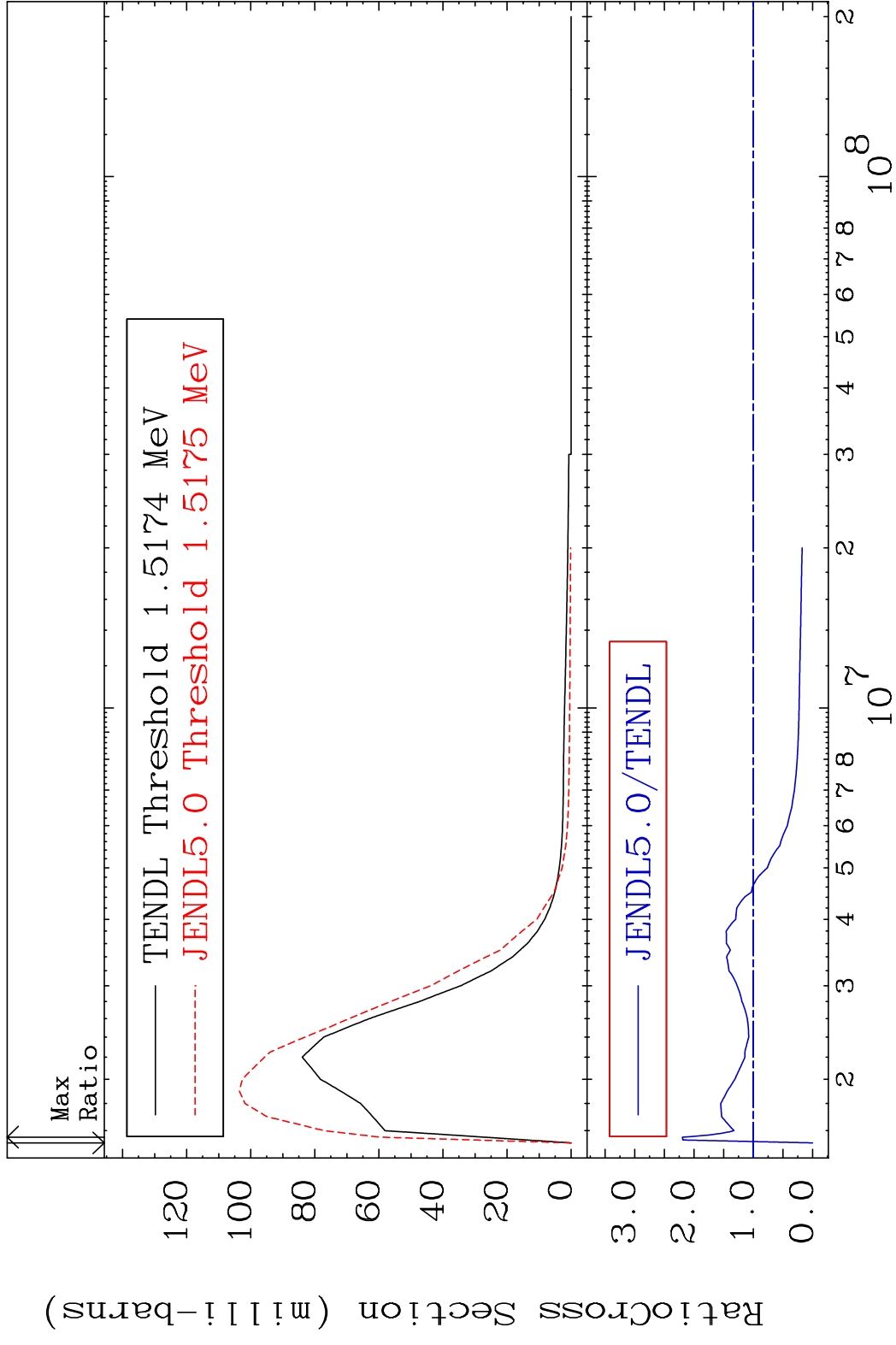
MAT 6619 MT= 62 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 791.8 %



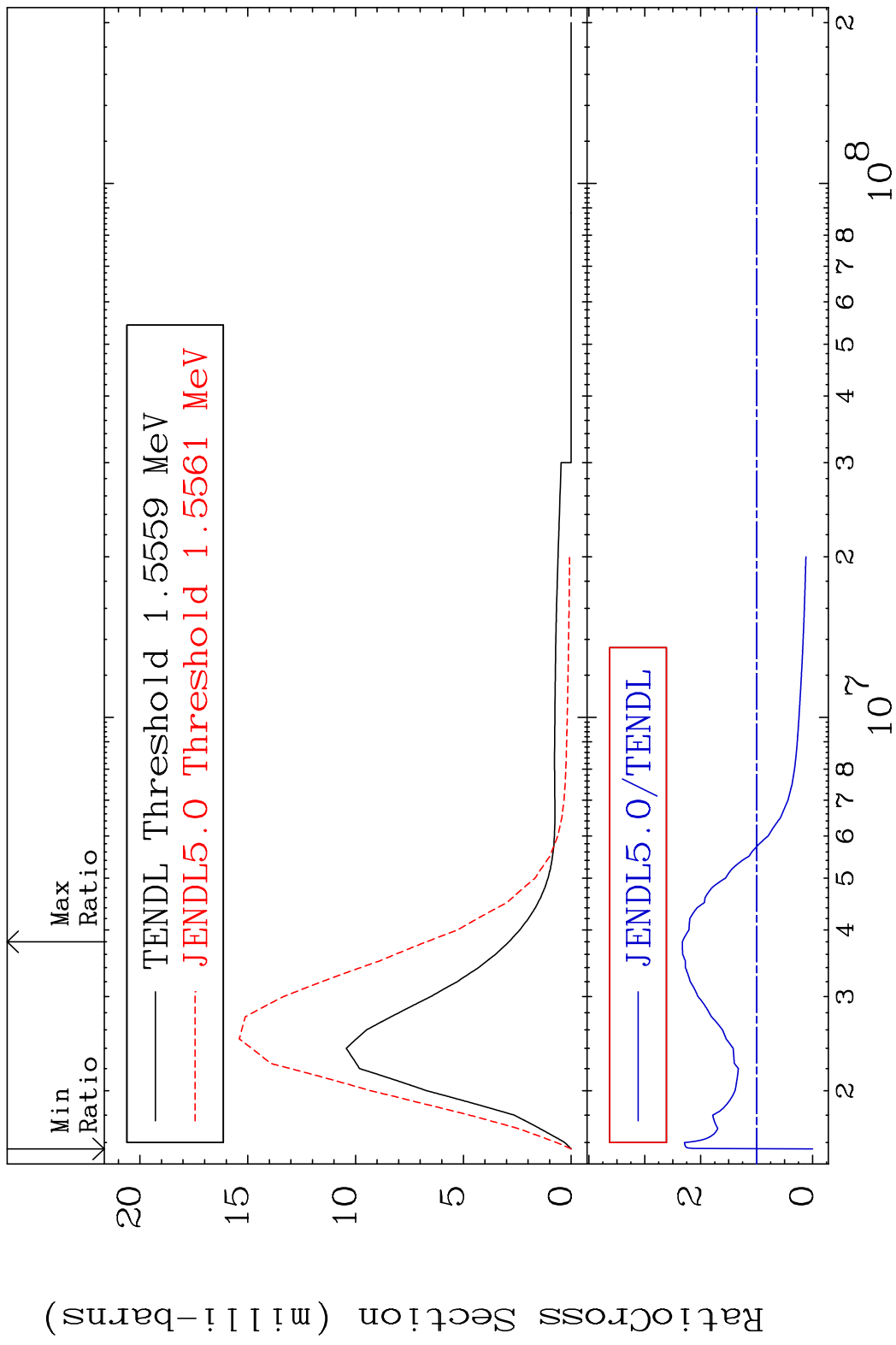
MAT 6619 MT= 63 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 101.9 %



MAT 6619 MT= 64 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 119.5 %



MAT 6619 MT= 65 (n, n') Level 66-Dy-154
 Cross Section -100.0 To 132.8 %

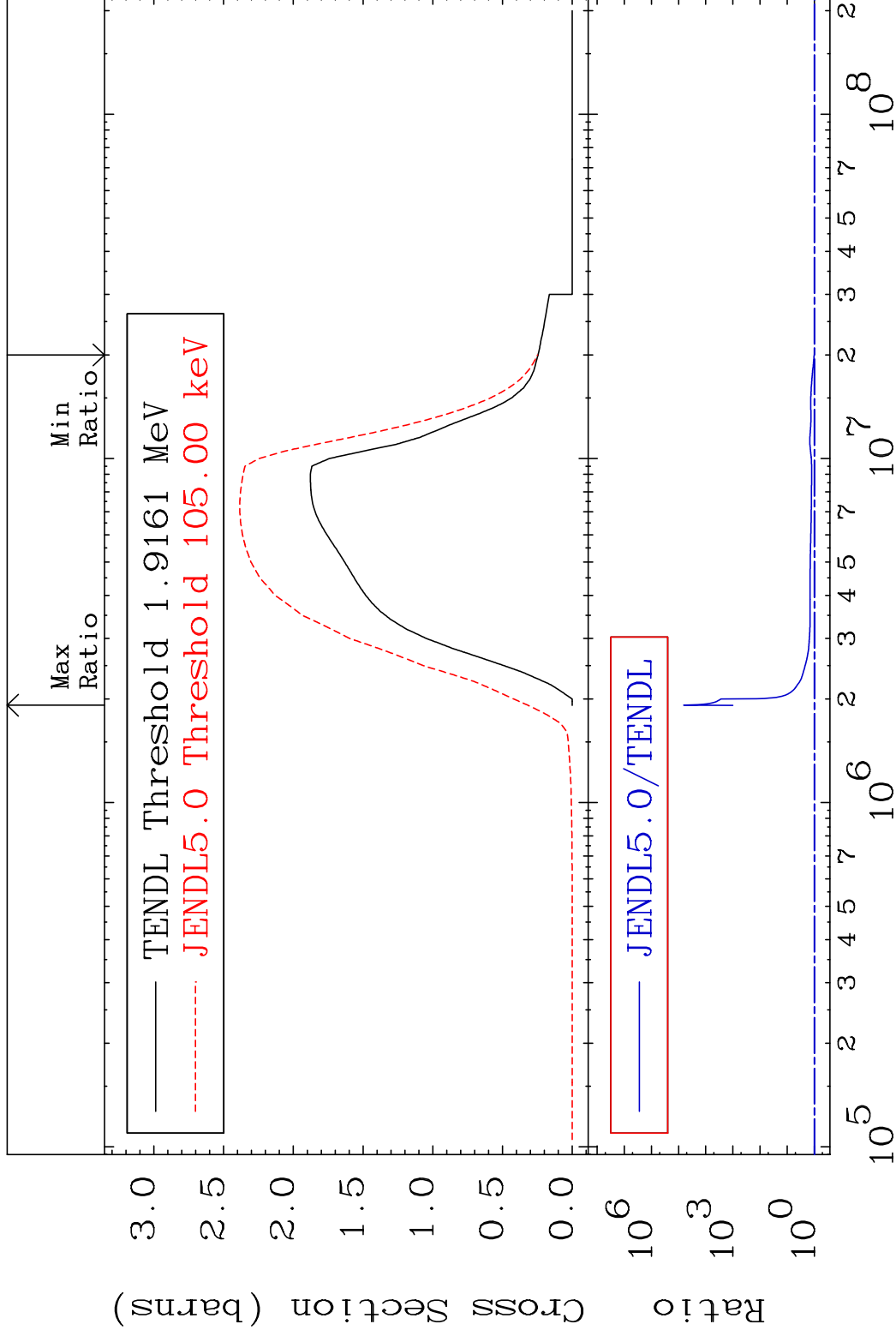


MAT 6619

(n, n') Continuum

66-Dy-154

Cross Section 1.626 To 9999. %



28

Incident Energy (eV)

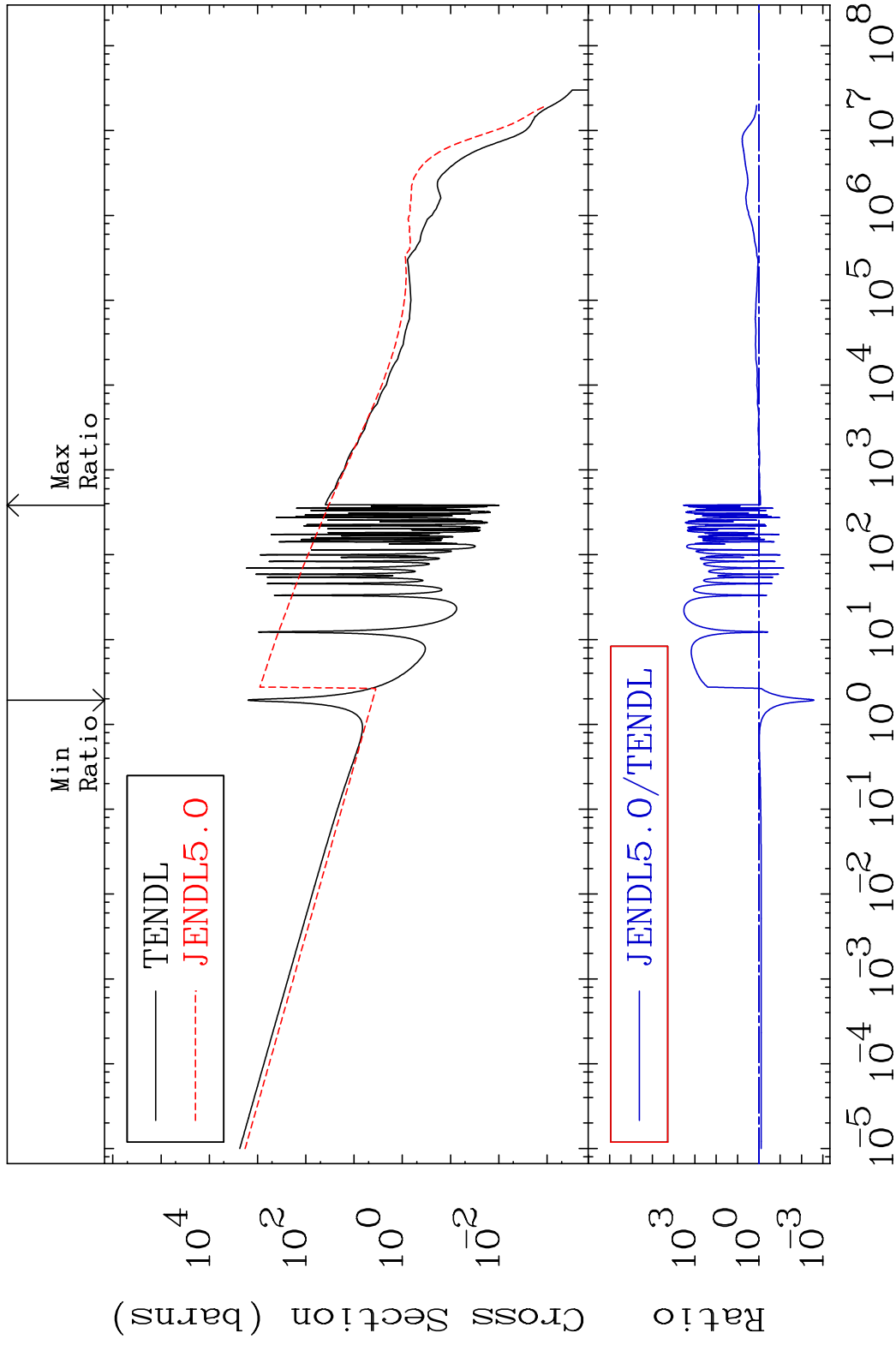
66-Dy-154

MAT 6619

(n, γ)

66-Dy-154

Cross Section -99.74 To 9999. %



29

Incident Energy (eV)

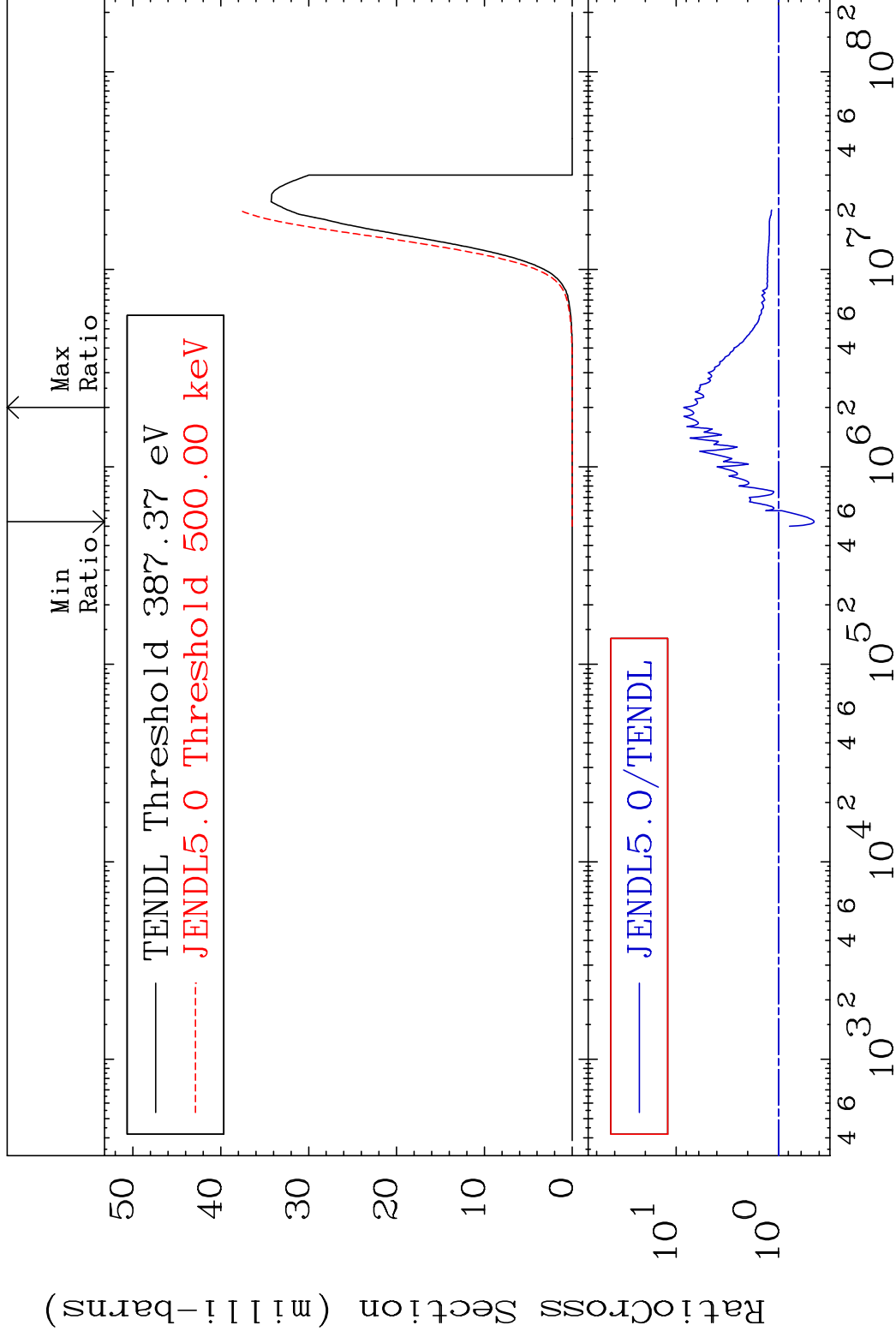
66-Dy-154

MAT 6619

(n, p)

66-Dy-154

Cross Section -55.15 To 745.3 %



30

Incident Energy (eV)

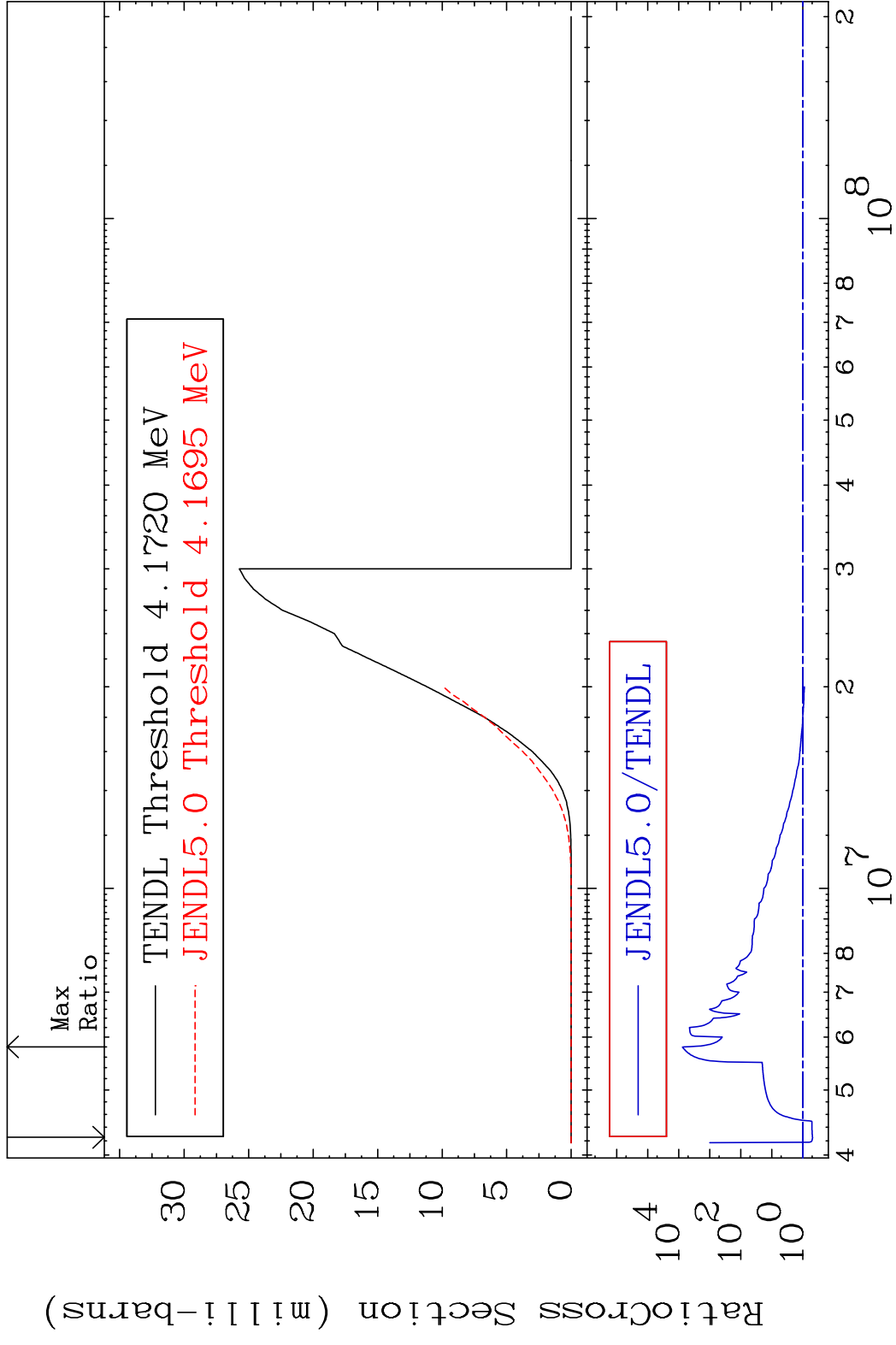
66-Dy-154

MAT 6619

(n,d)

66-Dy-154

Cross Section -51.51 To 9999. %

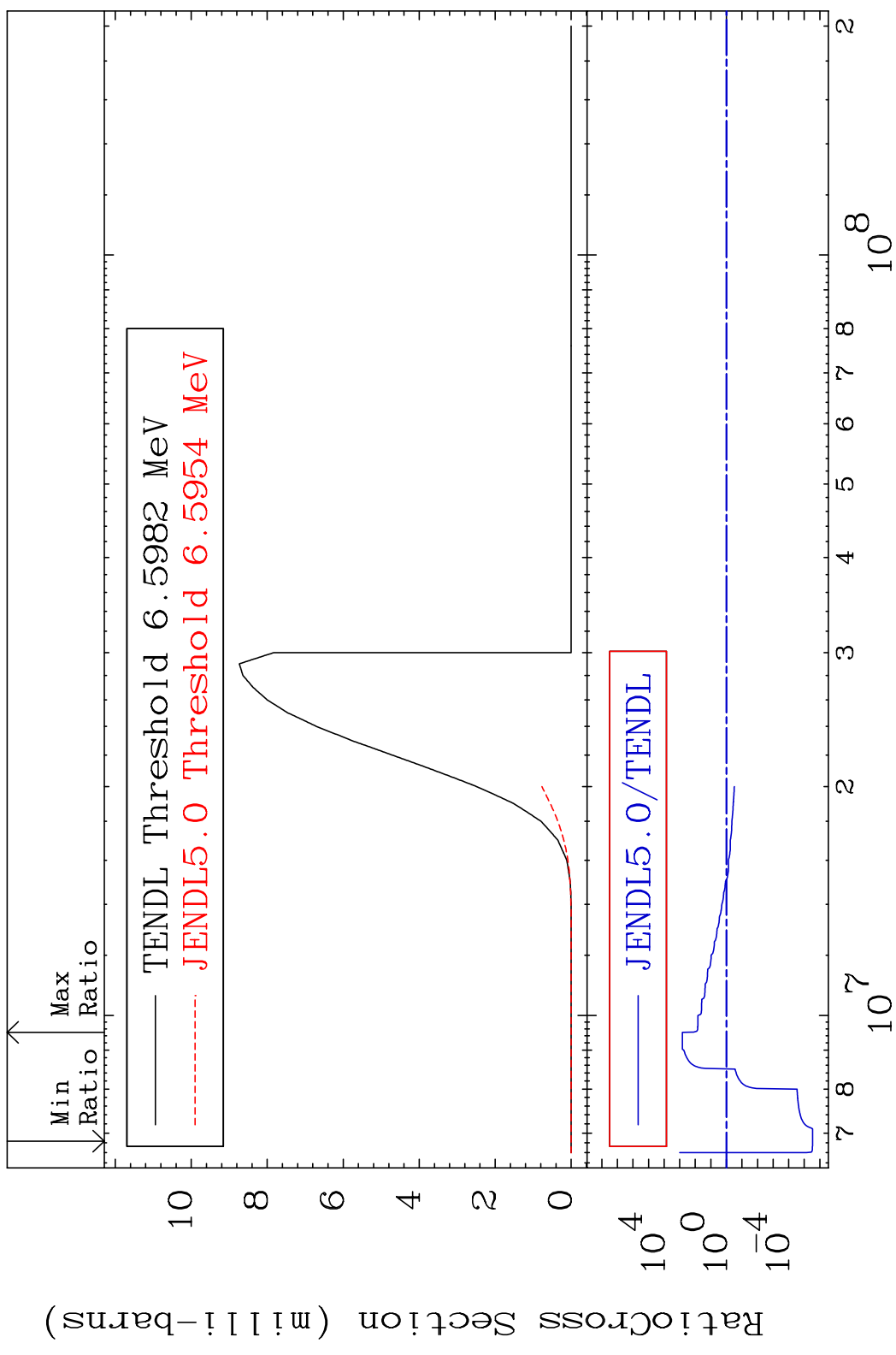


MAT 6619

(n, t)

66-Dy-154

Cross Section -100.0 To 9999. %

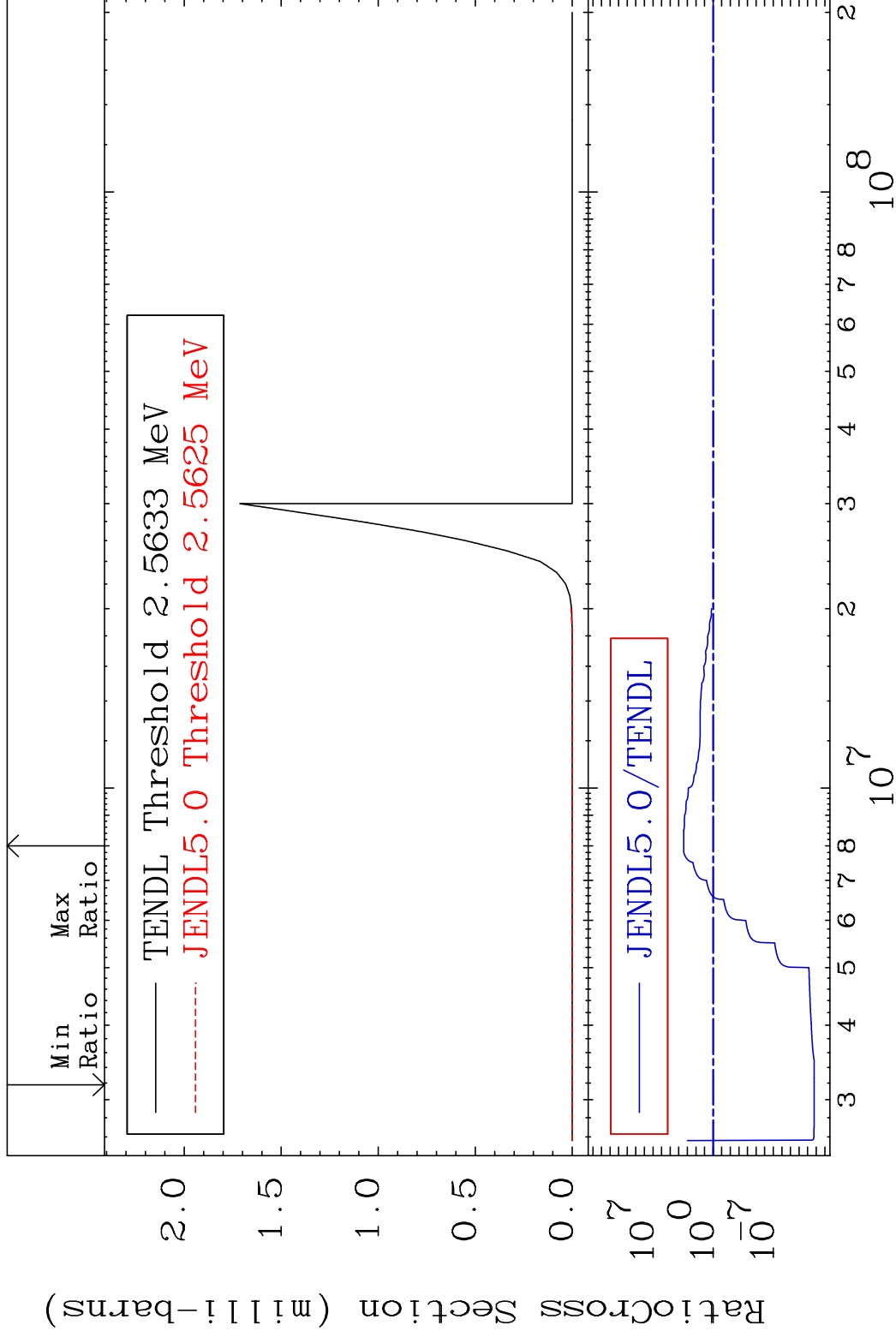


MAT 6619

(n, He-3)

66-Dy-154

Cross Section -100.0 To 9999. %



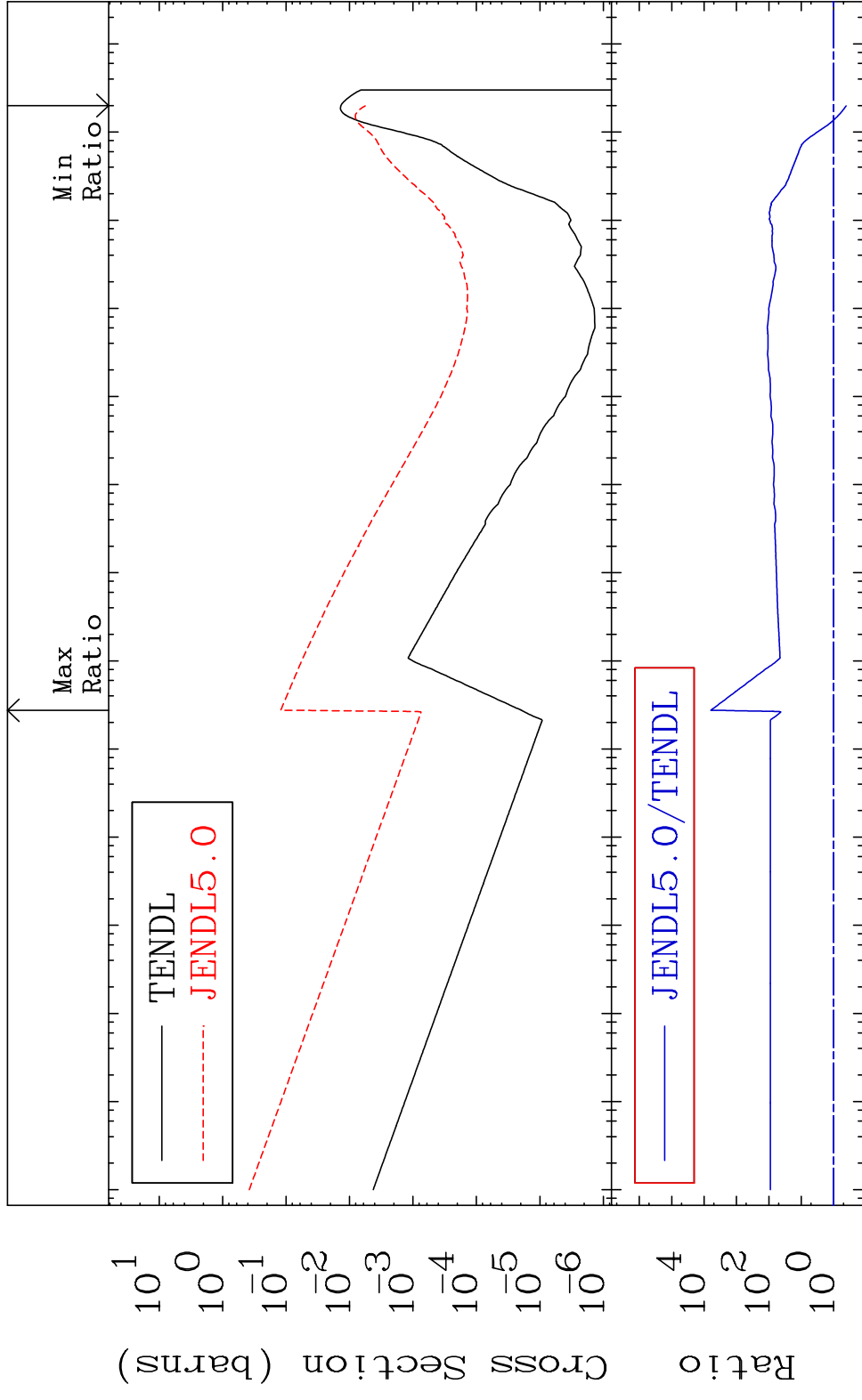
33

Incident Energy (eV)

66-Dy-154

MAT 6619

(n, α)
Cross Section -59.35 To 9999. %
66-Dy-154



MAT 6619

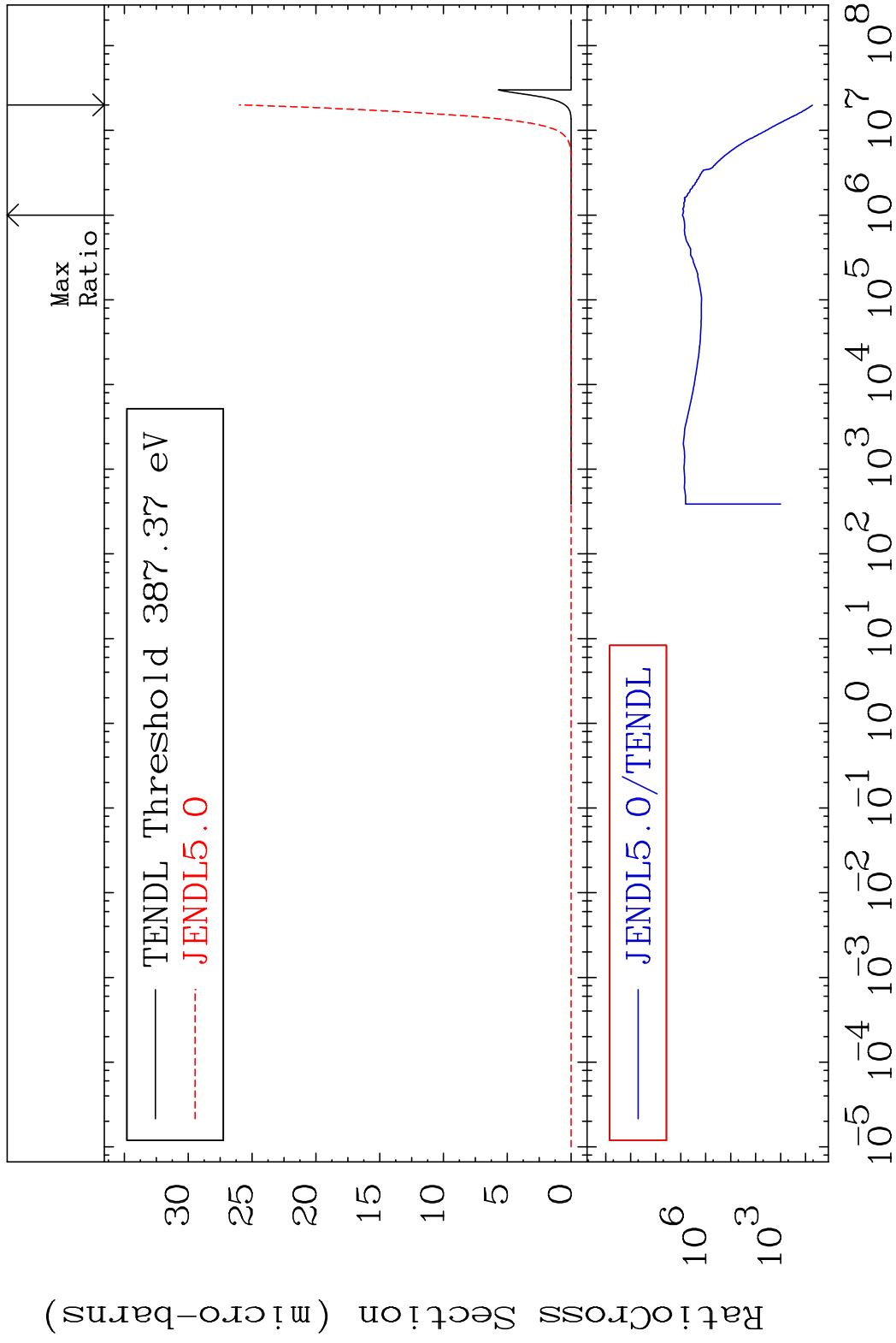
(n,2α)

66-Dy-154

Cross Section

5192.

To 9999. %



35

Incident Energy (eV)

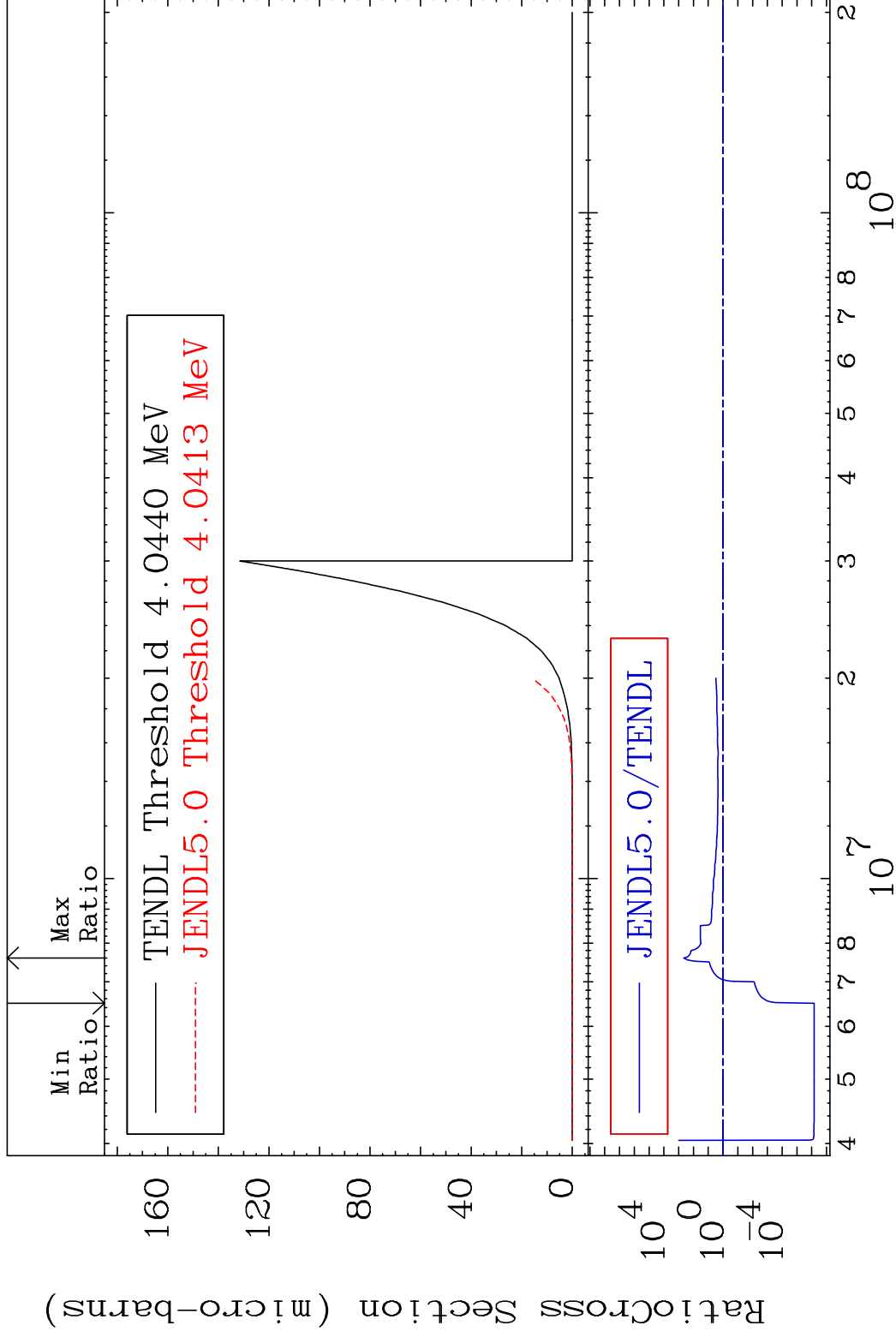
66-Dy-154

MAT 6619

(n,2p)

66-Dy-154

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

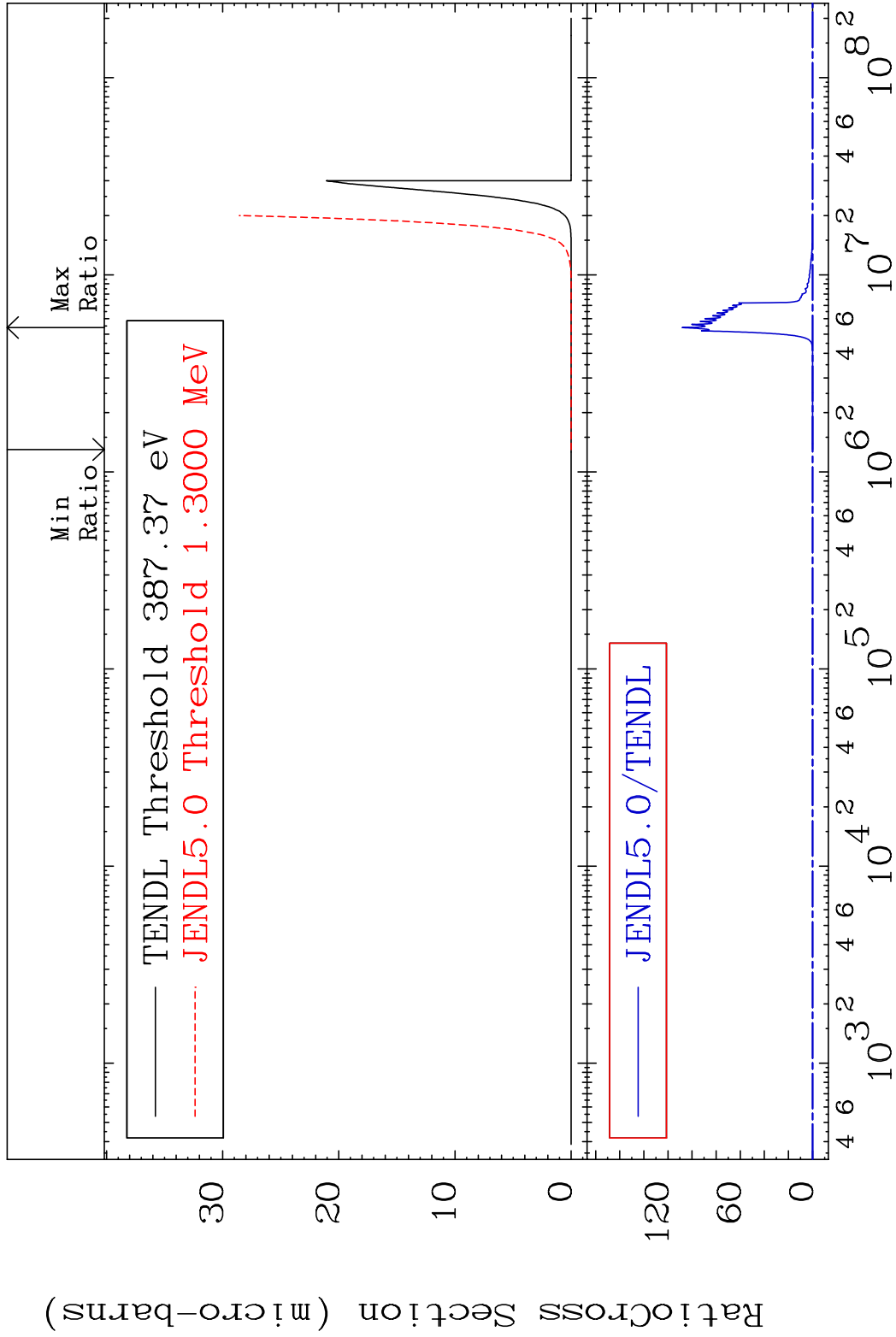
66-Dy-154

MAT 6619

(n,p) α

66-Dy-154

Cross Section -100.0 To 9999. %

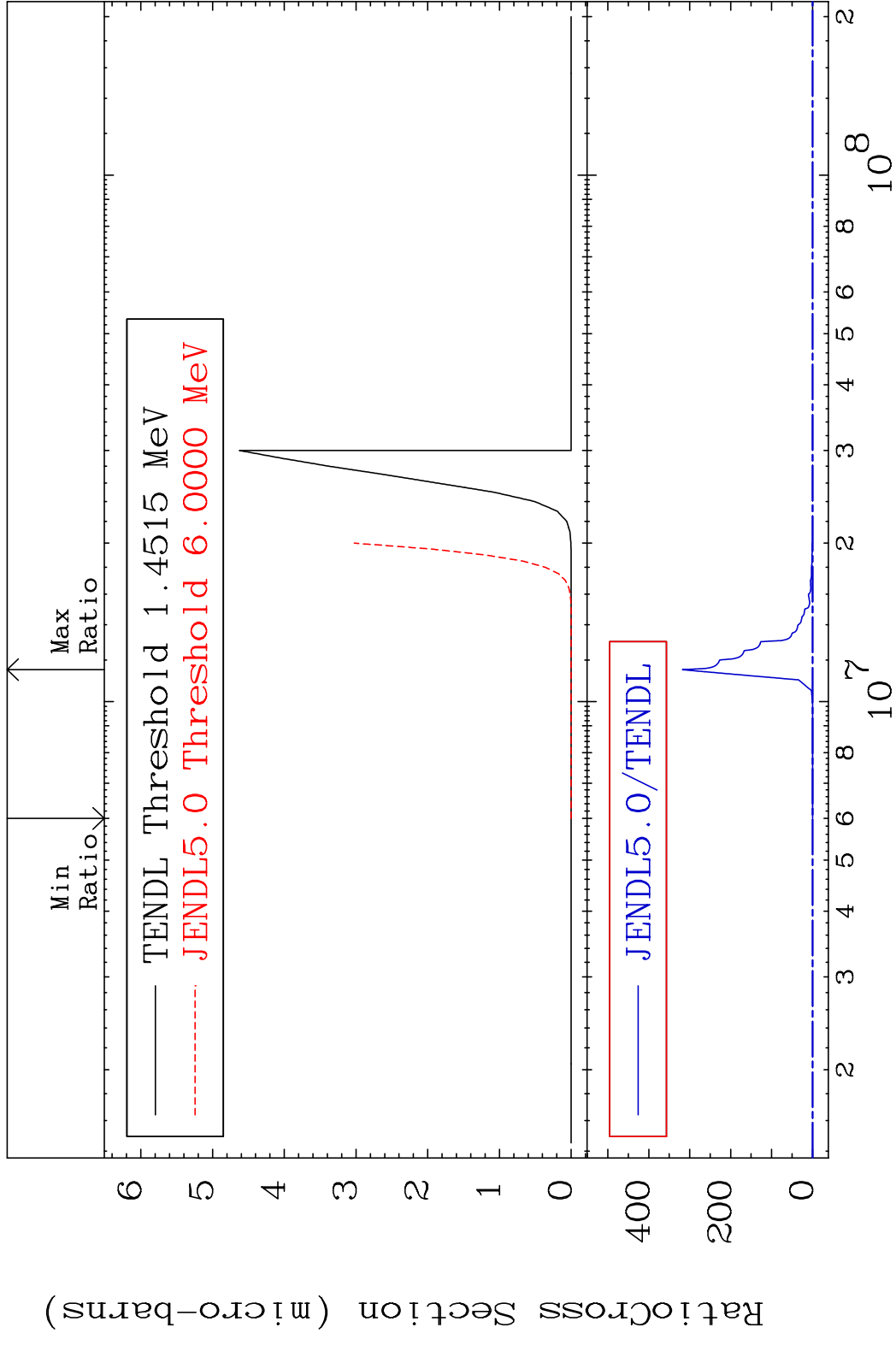


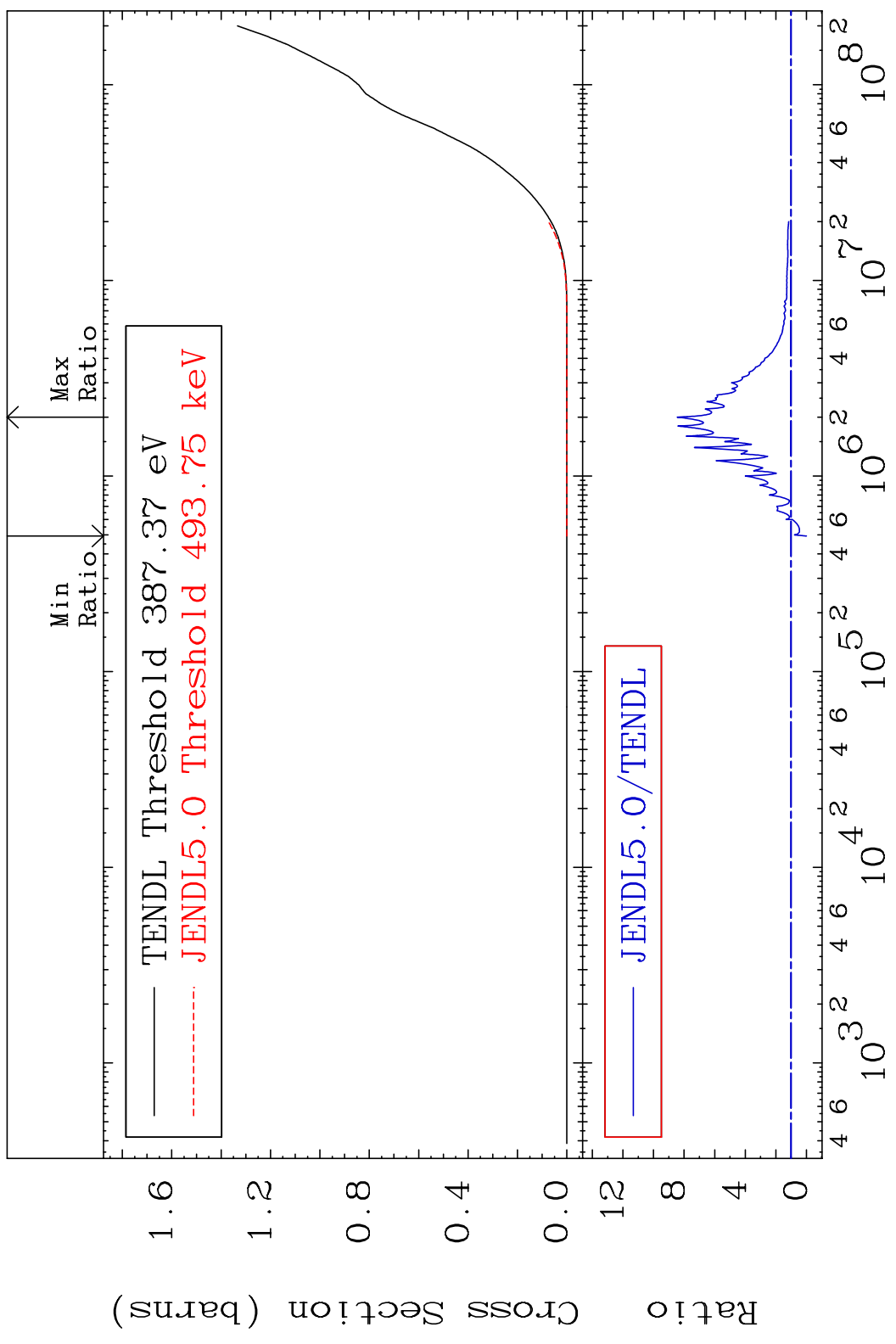
37

Incident Energy (eV)

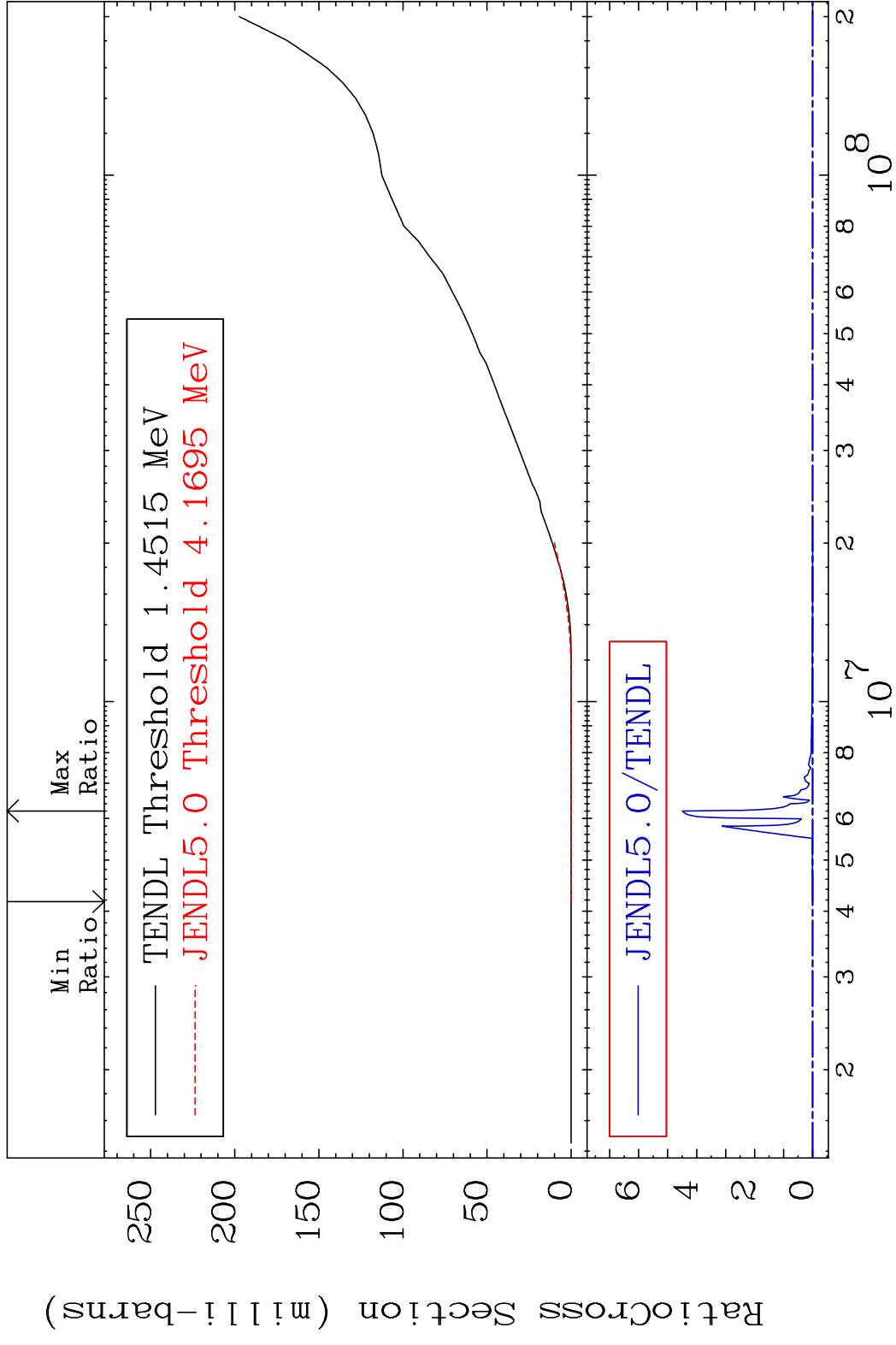
66-Dy-154

MAT 6619 (n,d) α 66-Dy-154
 Cross Section -100.0 To 9999. %





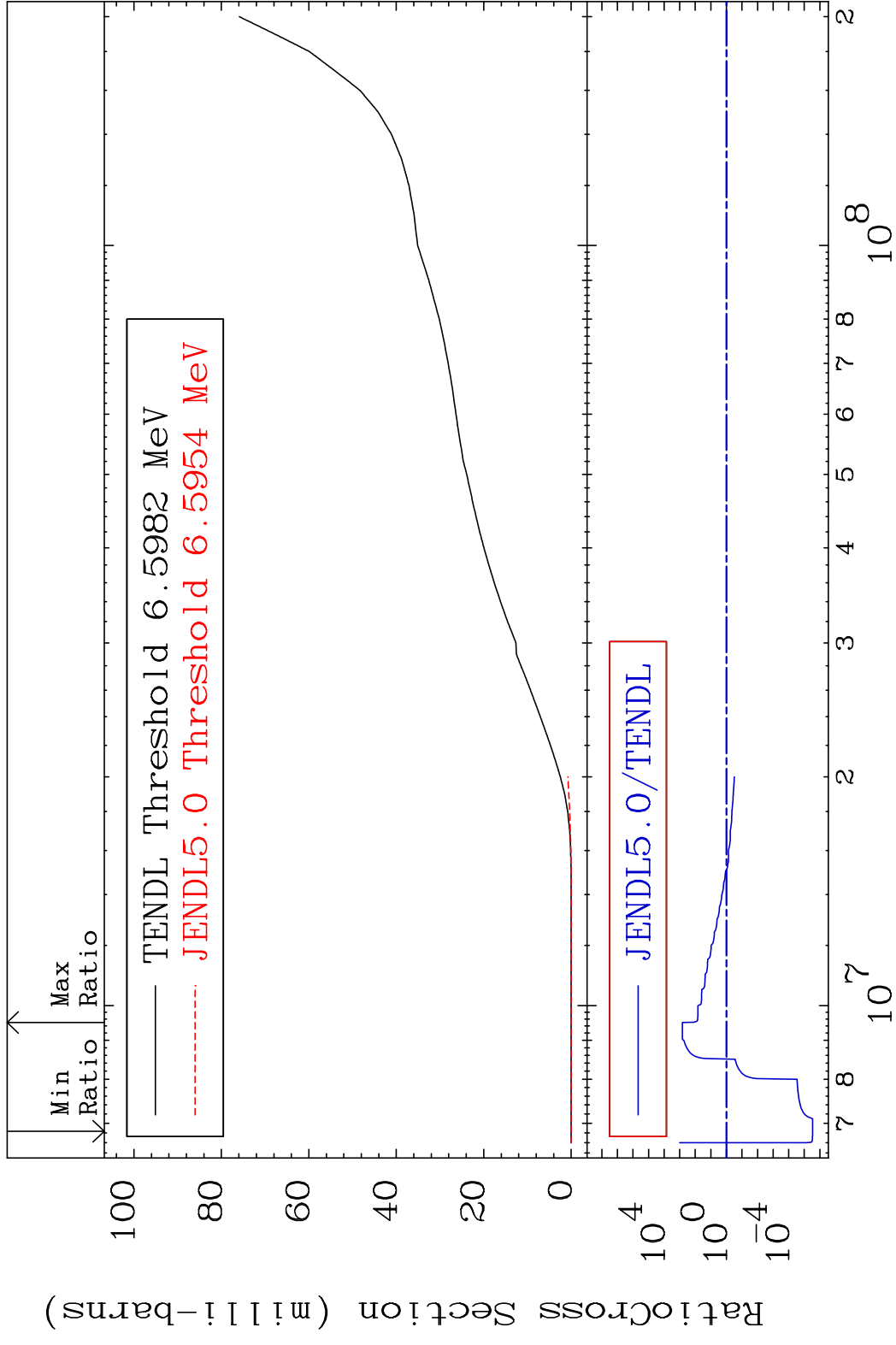
MAT 6619 Deuterium Production 66-Dy-154
 Cross Section -100.0 To 9999. %



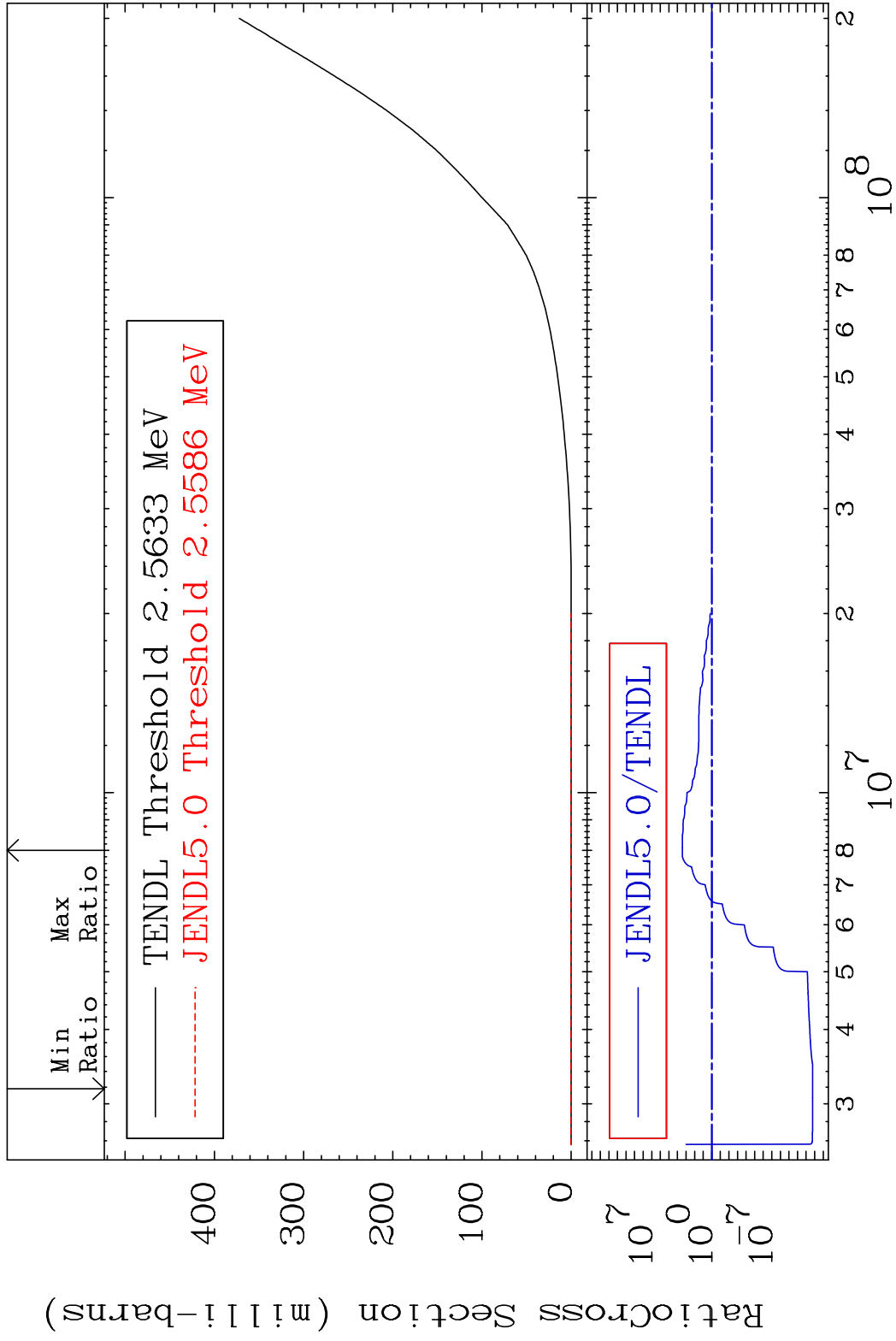
MAT 6619

Tritium Production 66-Dy-154

Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

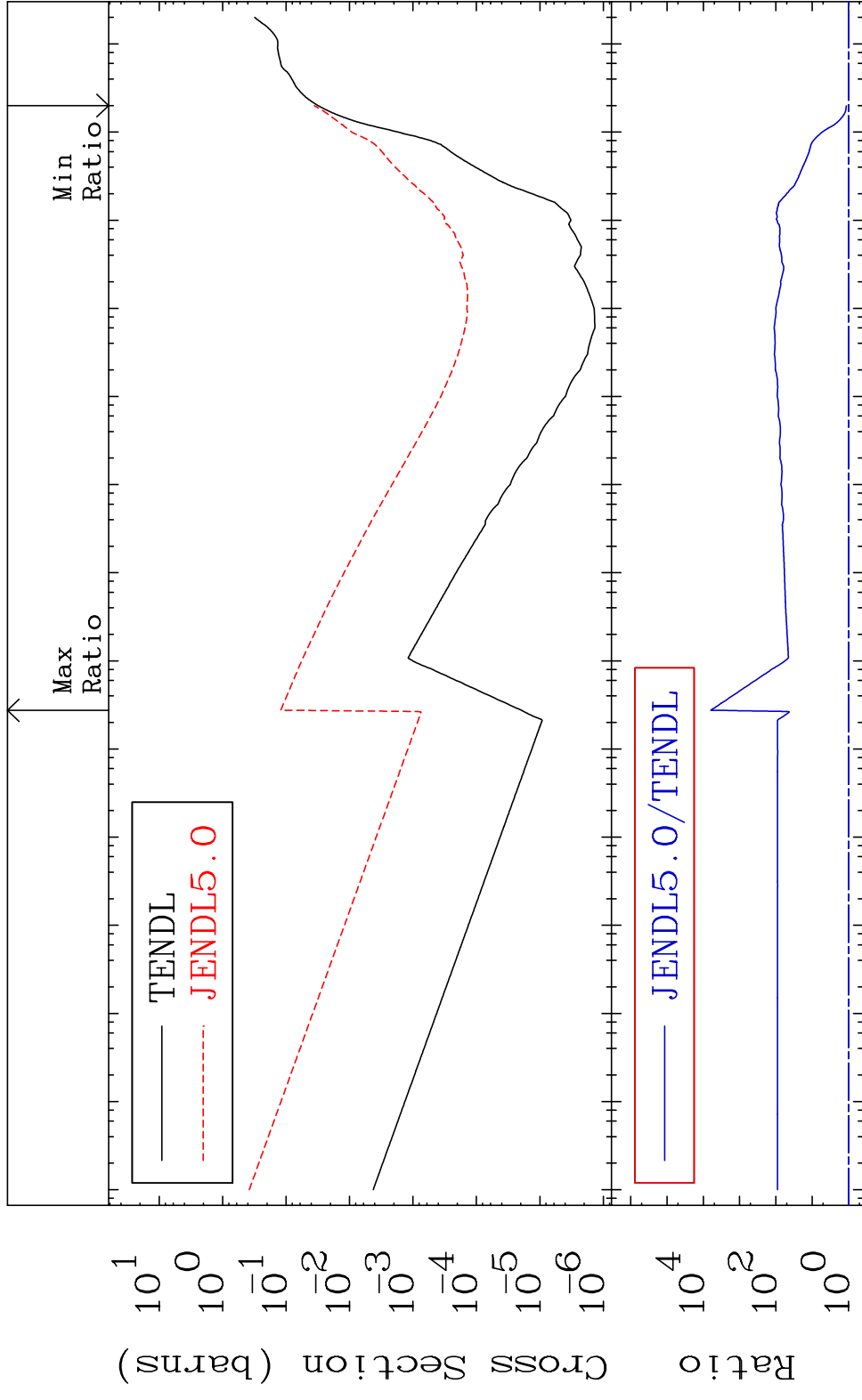


MAT 6619

He-4 Production

66-Dy-154

Cross Section 14.89 To 9999. %



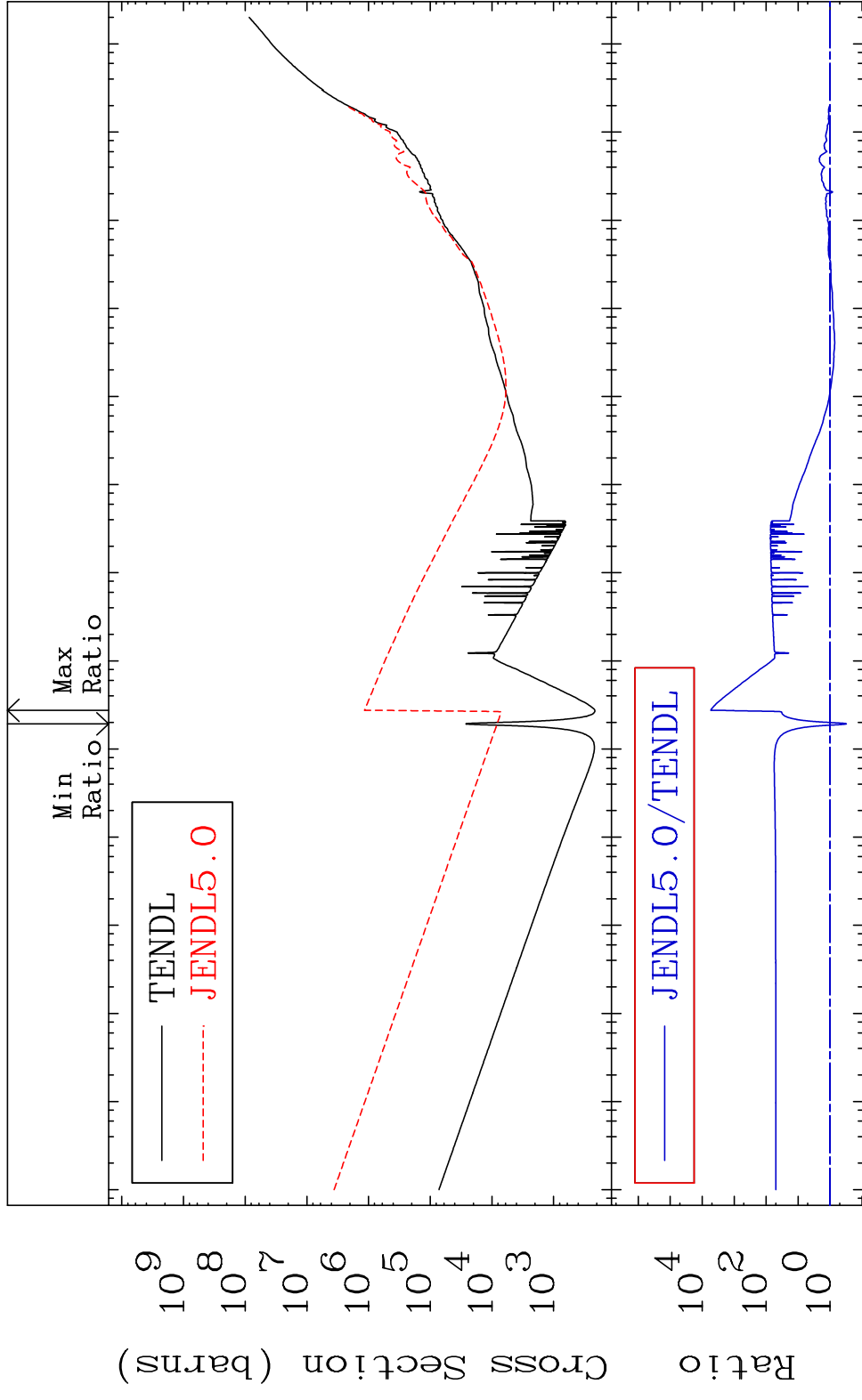
43

Incident Energy (eV)

66-Dy-154

MAT 6619

Kerma total (eV-barns) 66-Dy-154
Cross Section -69.01 To 9999. %

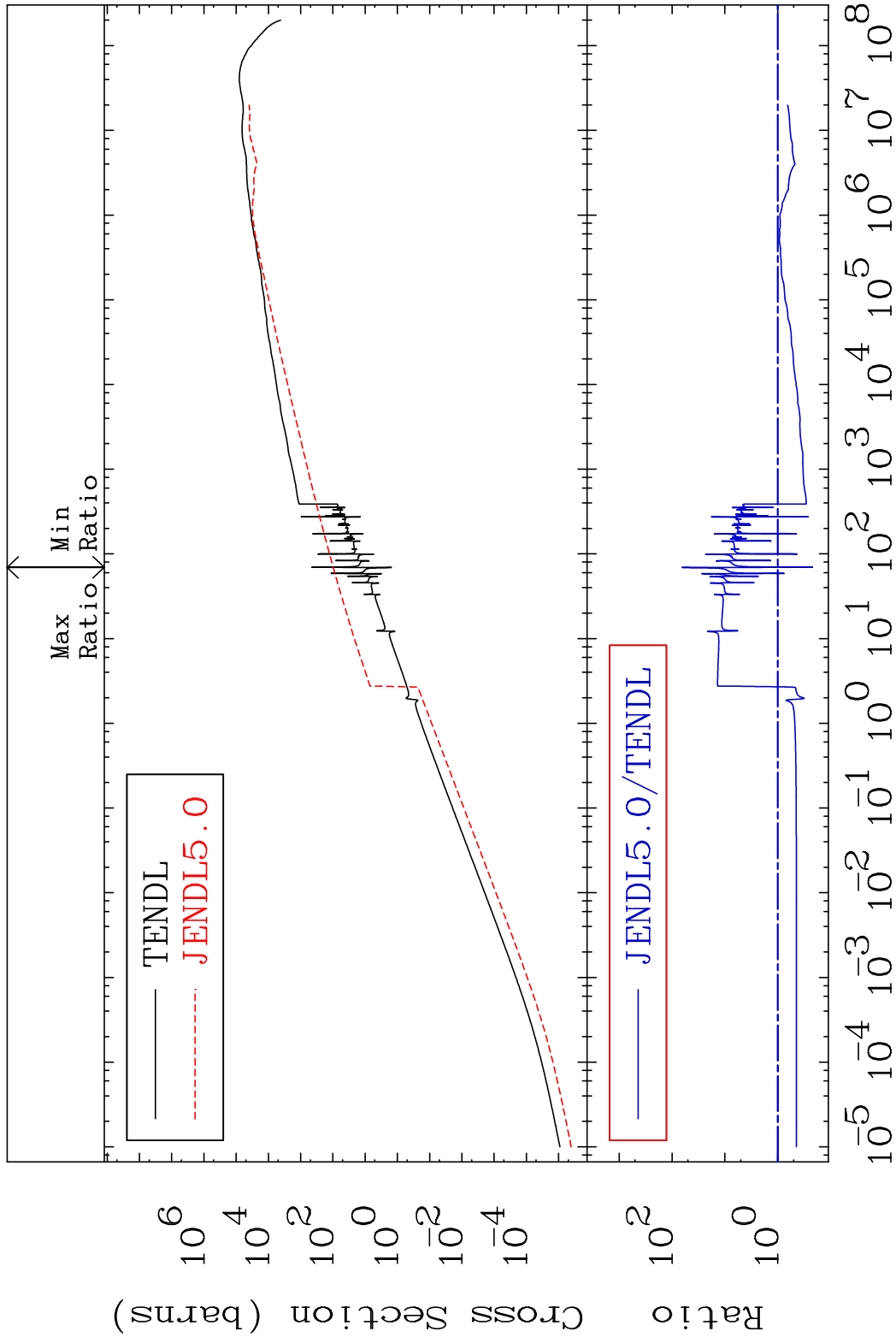


Cross Section (barns)
Ratio

MAT 6619

Kerma elastic
Cross Section

66-Dy-154
-77.95 To 6277. %

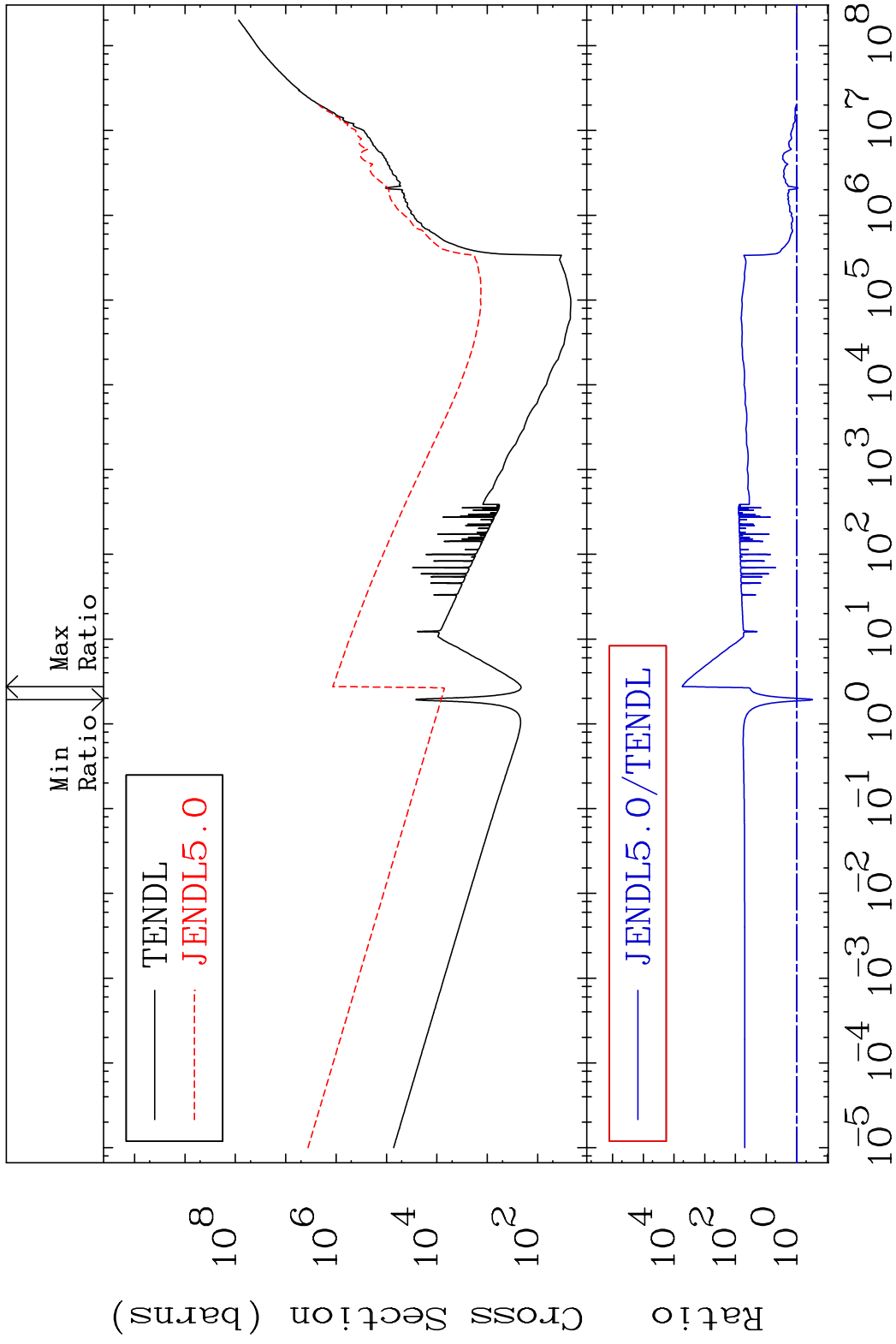


45

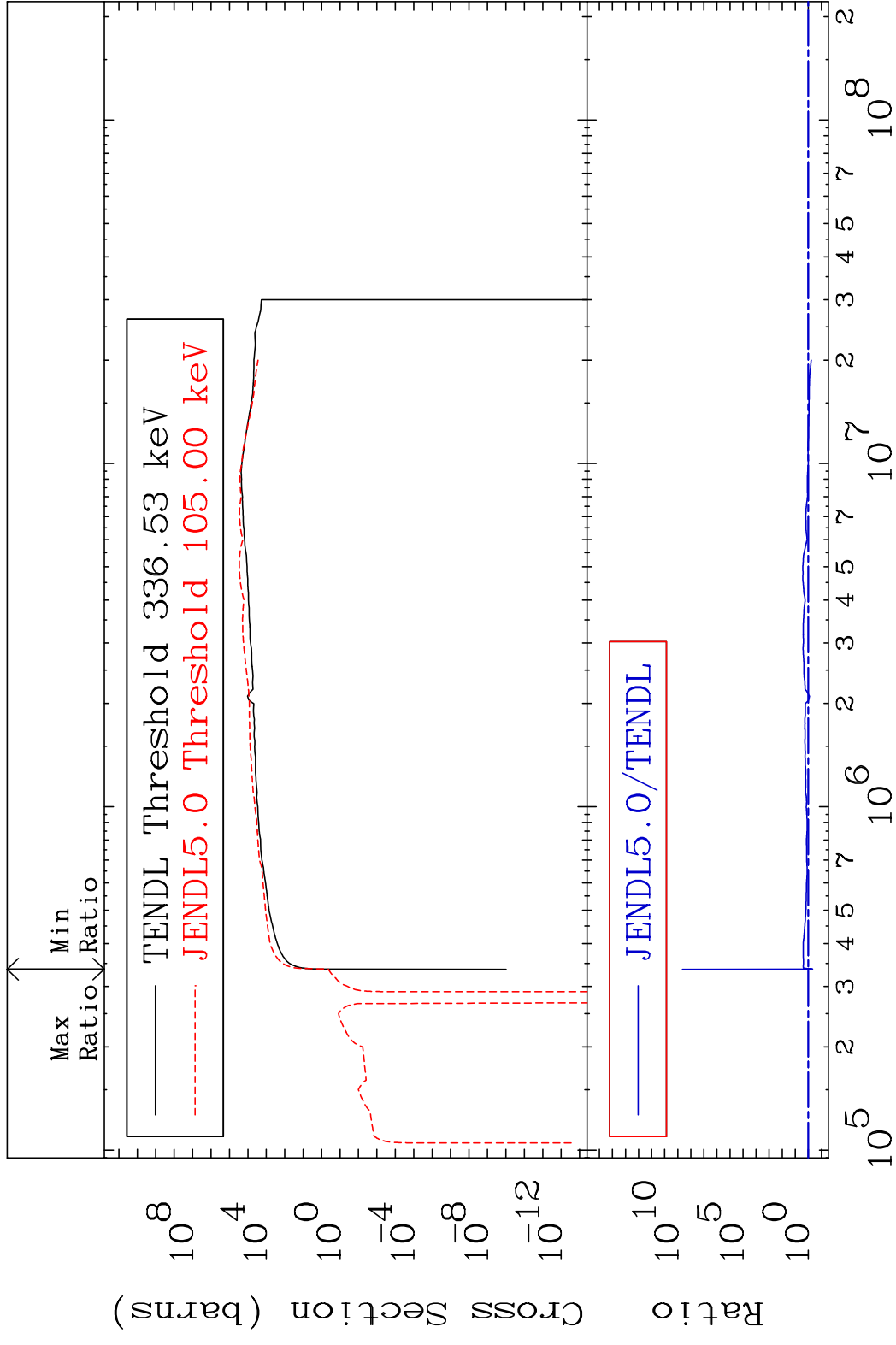
Incident Energy (eV)

66-Dy-154

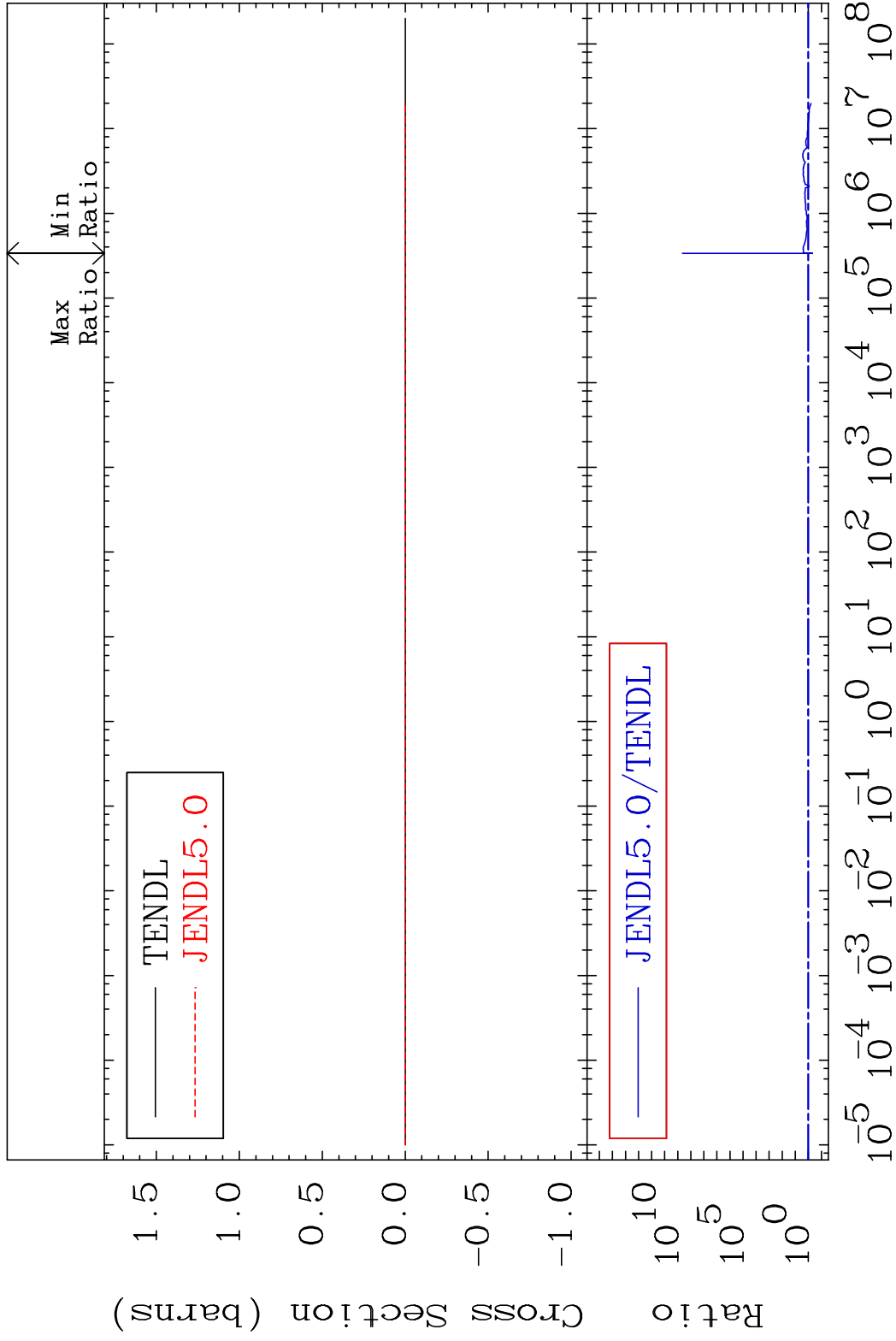
MAT 6619 Kerma non-elastic (all but mt2) 66-Dy-154
 Cross Section -69.01 To 9999. %



MAT 6619 Kerma inelastic (mt51-91) 66-Dy-154
 Cross Section -52.51 To 9999. %

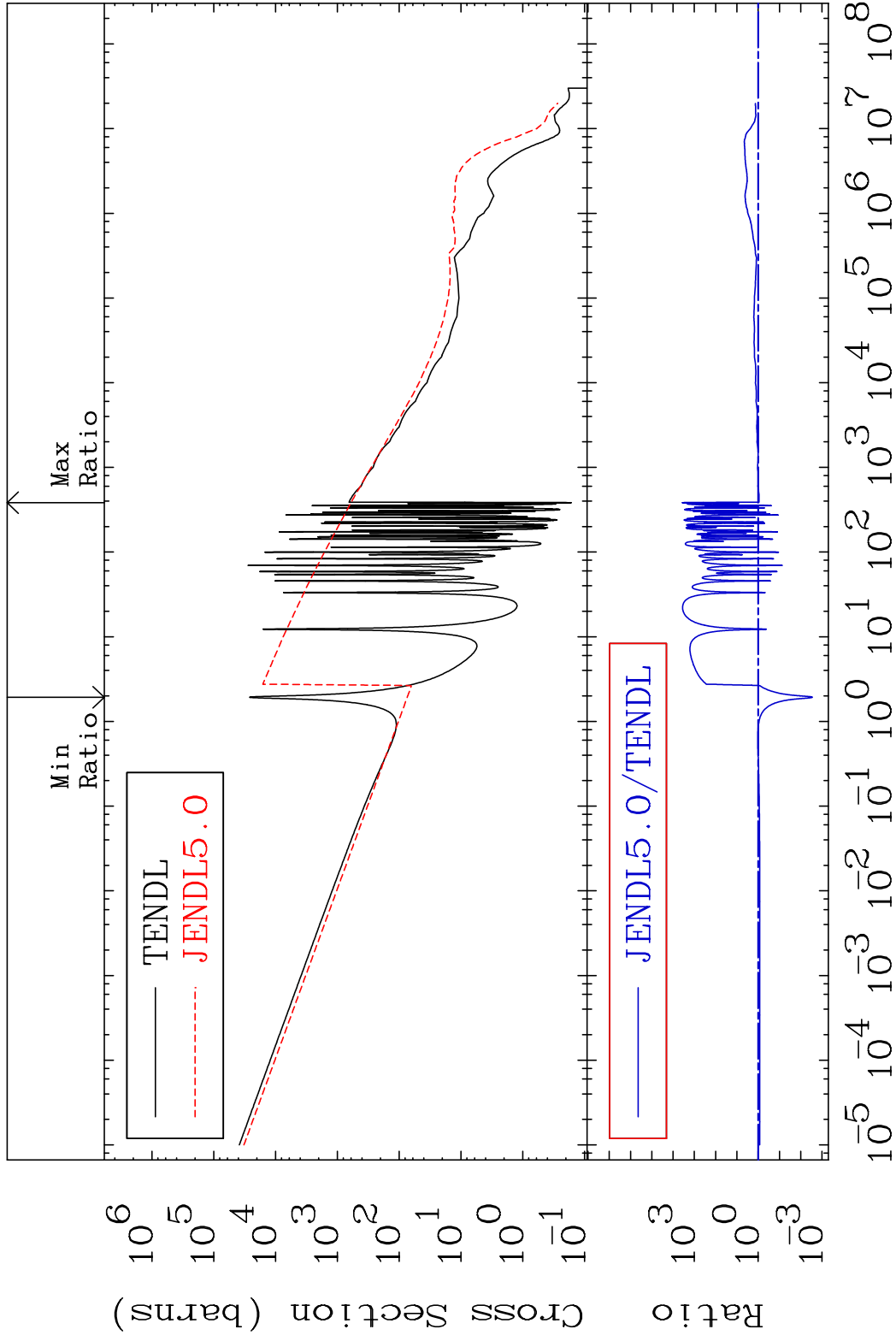


MAT 6619 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-154
 Cross Section -52.51 To 9999. %



MAT 6619

Kerma capture (mt102) 66-Dy-154
Cross Section -99.72 To 9999. %



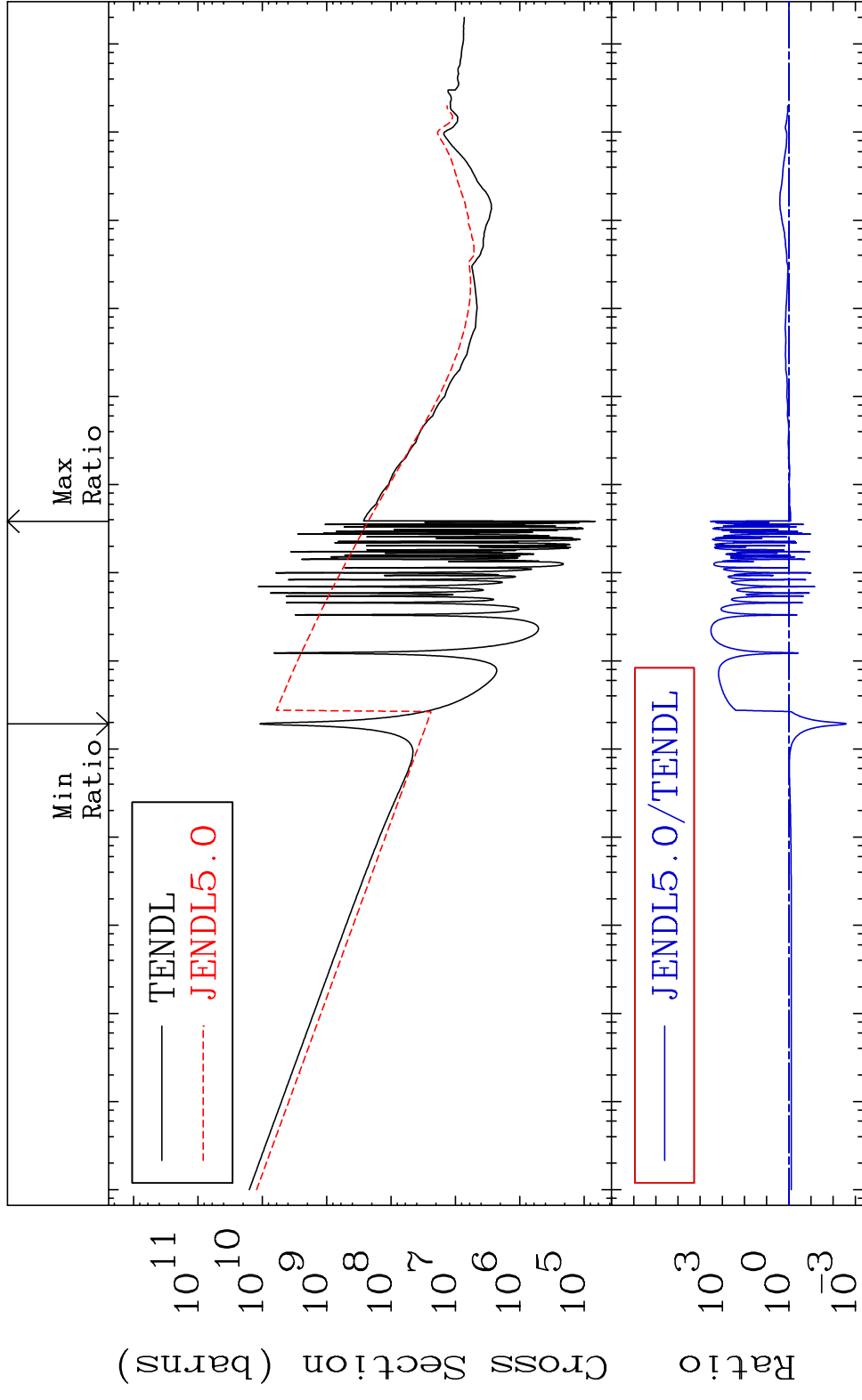
49

Incident Energy (eV)

66-Dy-154

MAT 6619

Total photon (eV-barns) 66-Dy-154
Cross Section -99.75 To 9999. %

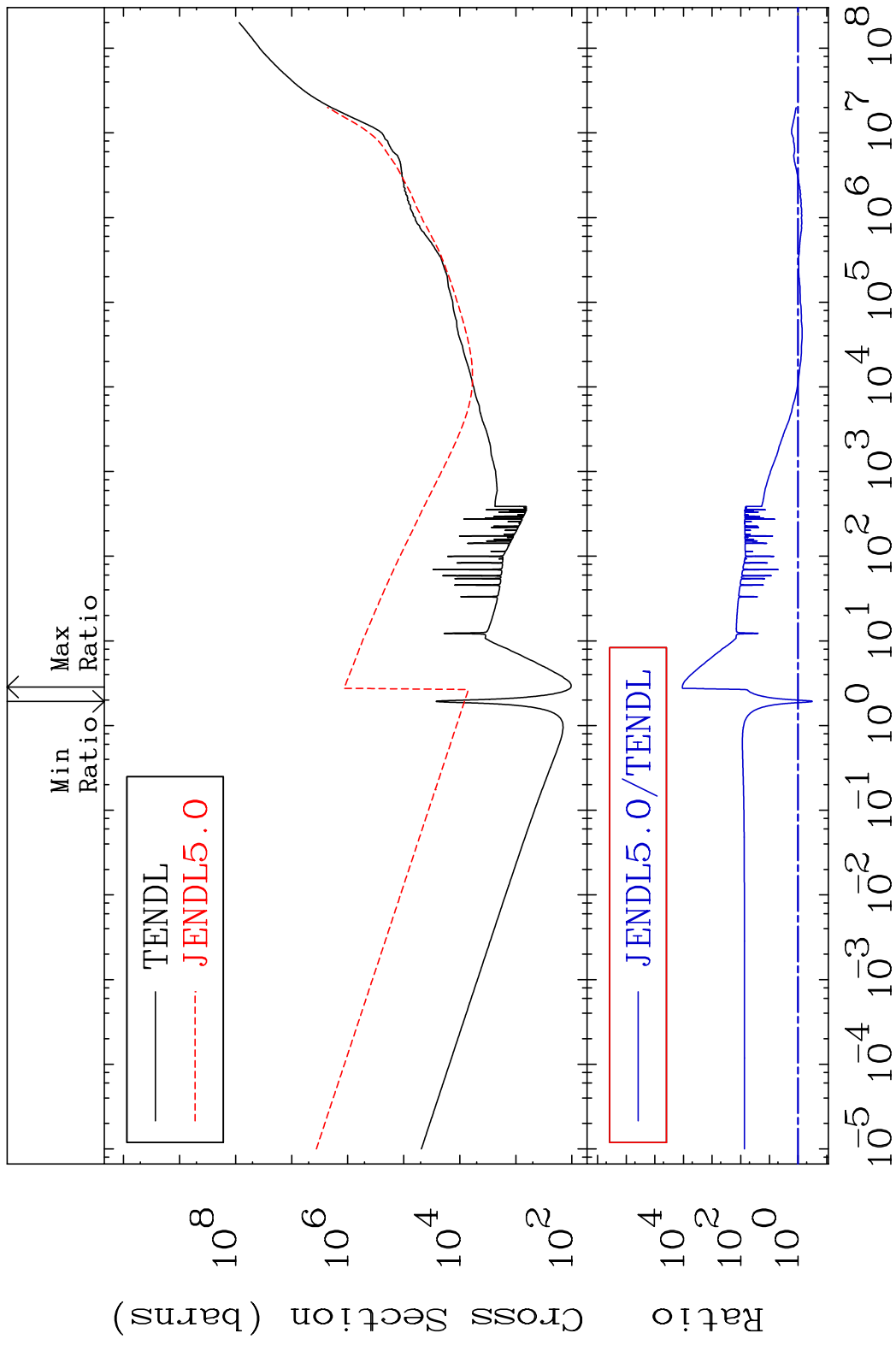


50

Incident Energy (eV)

66-Dy-154

MAT 6619 Total kinematic kerma (high limit) 66-Dy-154
 Cross Section -68.95 To 9999. %

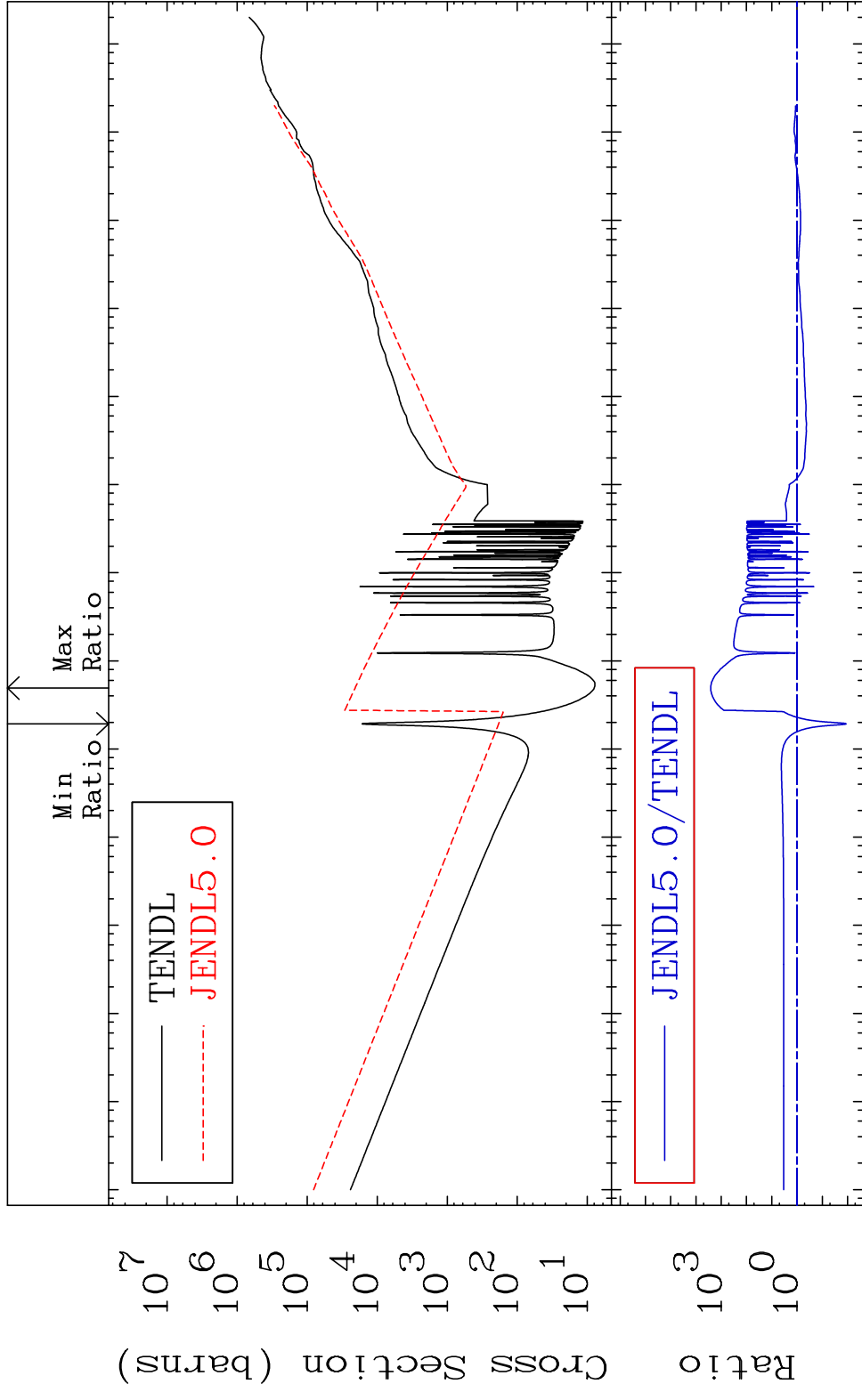


MAT 6619

Dpa total (eV-barns)

66-Dy-154

Cross Section -98.88 To 9999. %

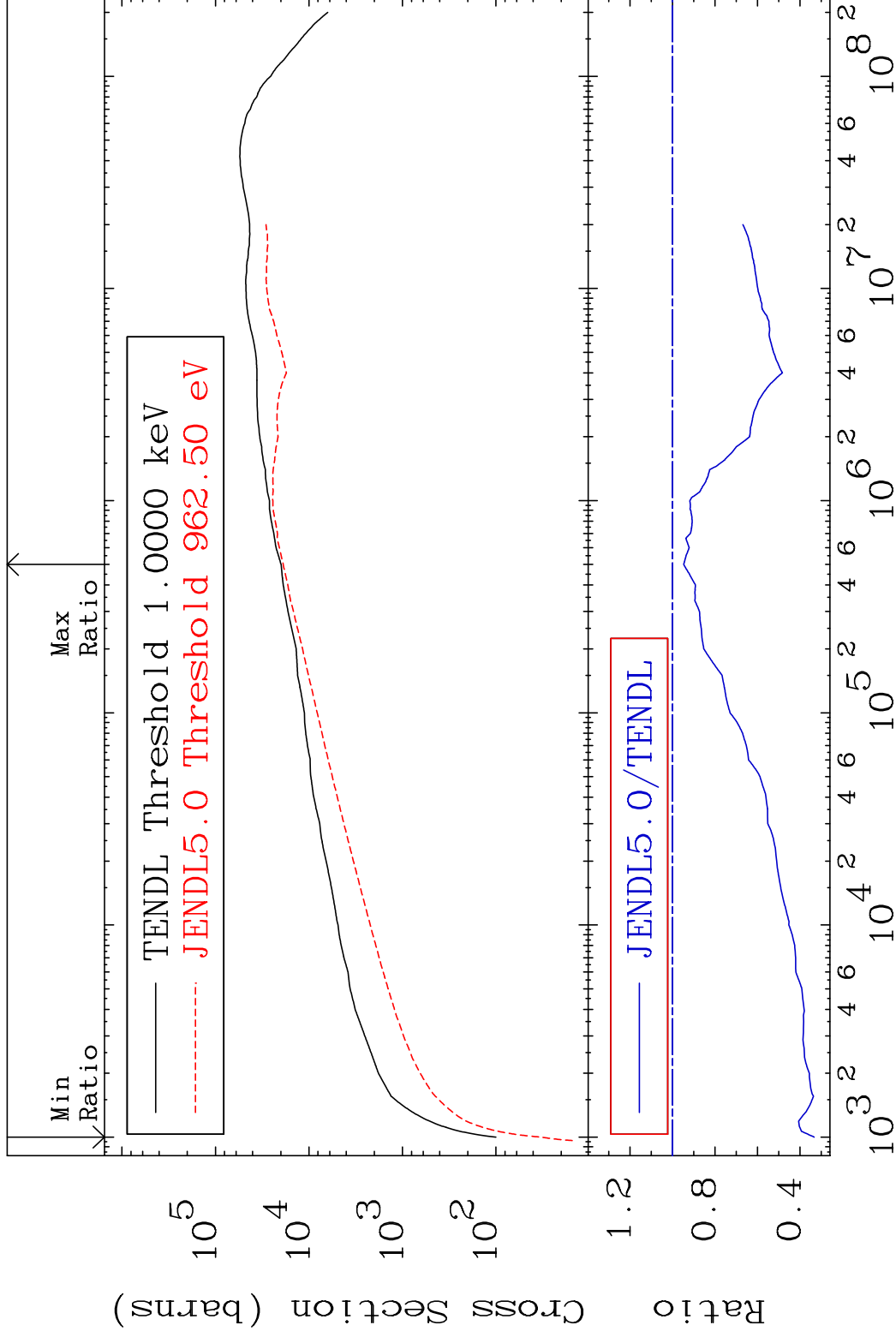


MAT 6619

Dpa elastic (mt2)

66-Dy-154

Cross Section -66.62 To -5.274%

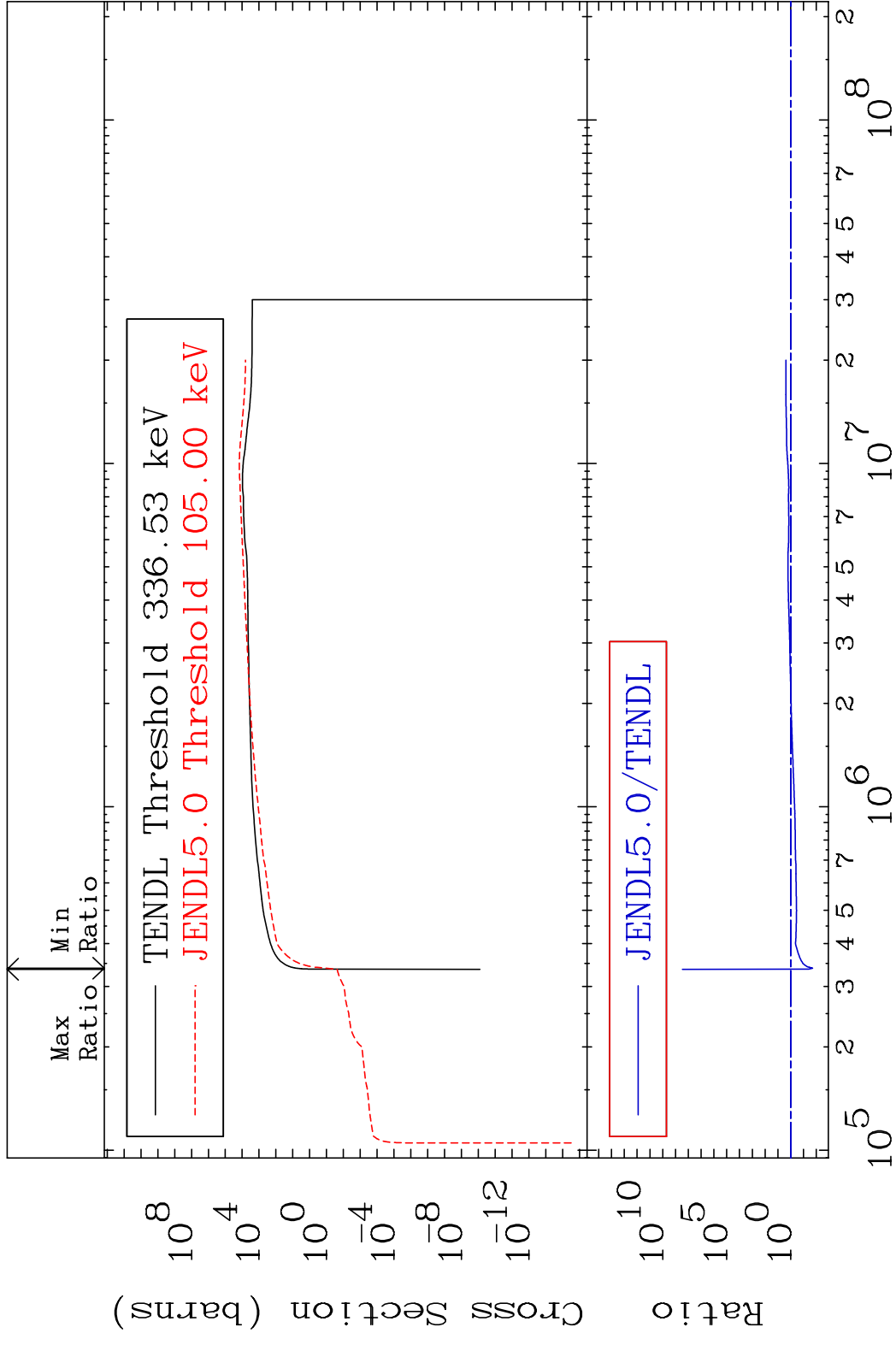


53

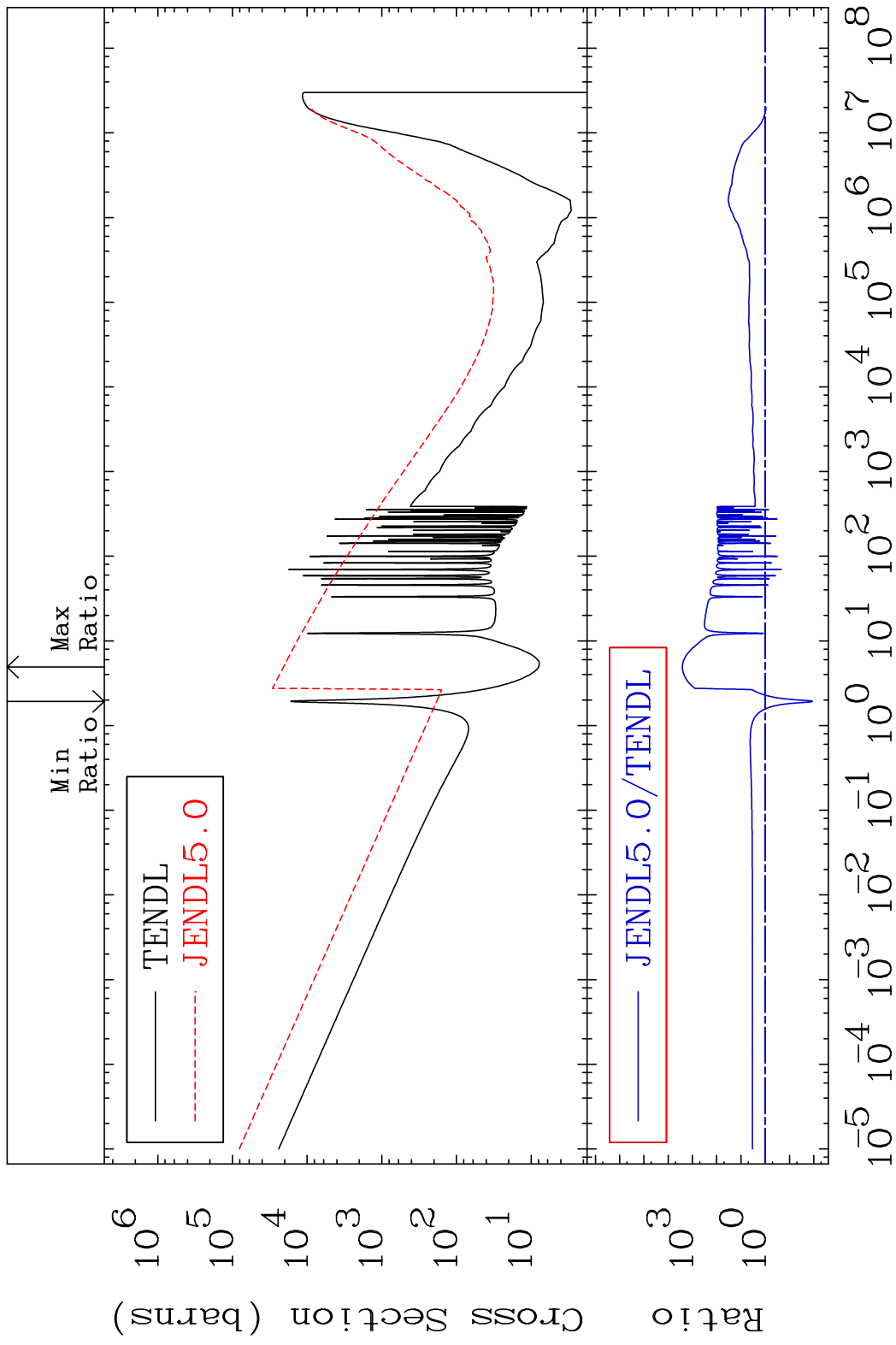
Incident Energy (eV)

66-Dy-154

MAT 6619 Dpa inelastic (mt51-91) 66-Dy-154
 Cross Section -98.04 To 9999. %



MAT 6619 Dpa disappearance (mt102 -120) 66-Dy-154
 Cross Section -98.88 To 9999. %

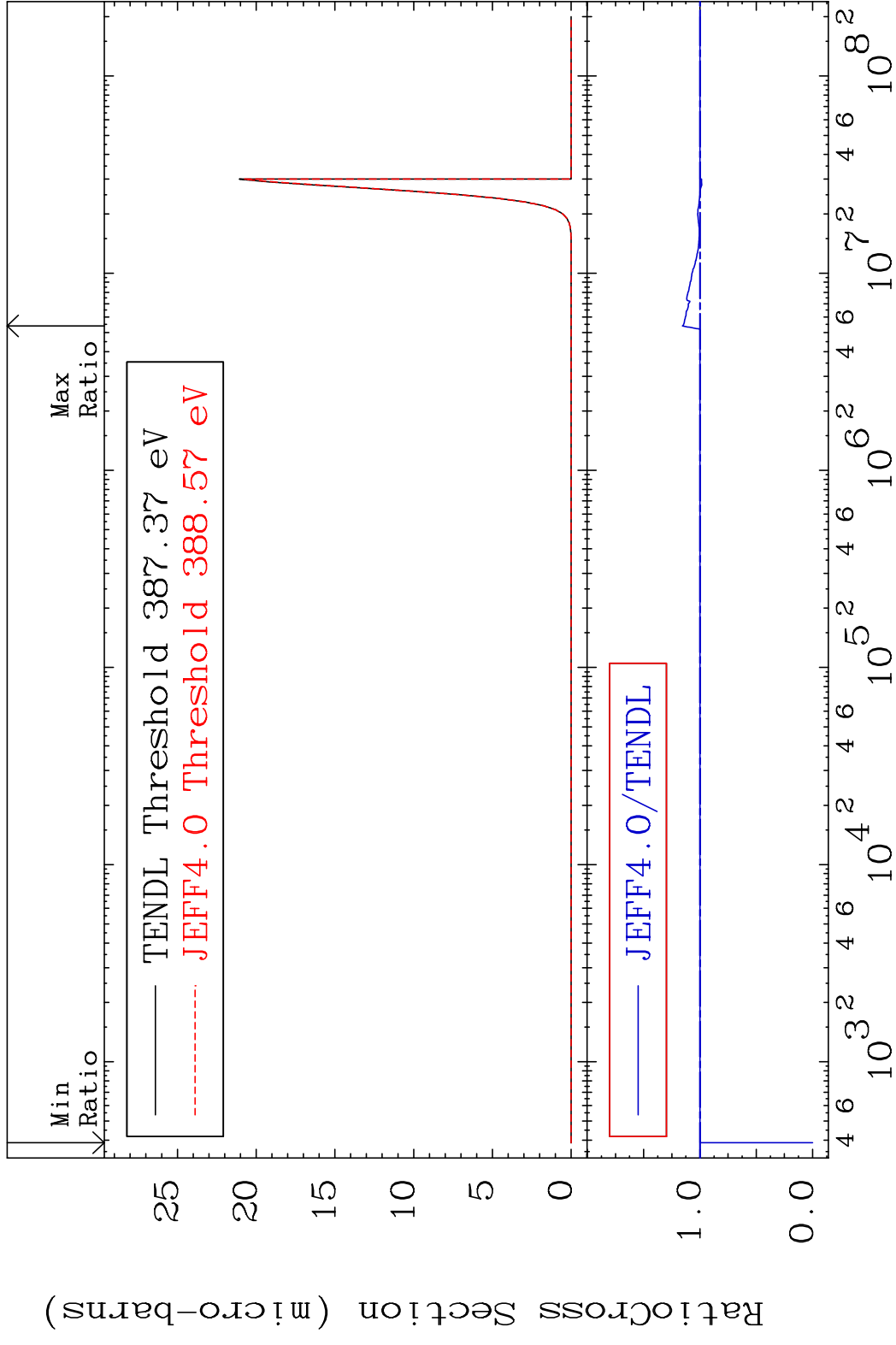


MAT 6619

(n,p) α

66-Dy-154

Cross Section -100.0 To 15.63 %

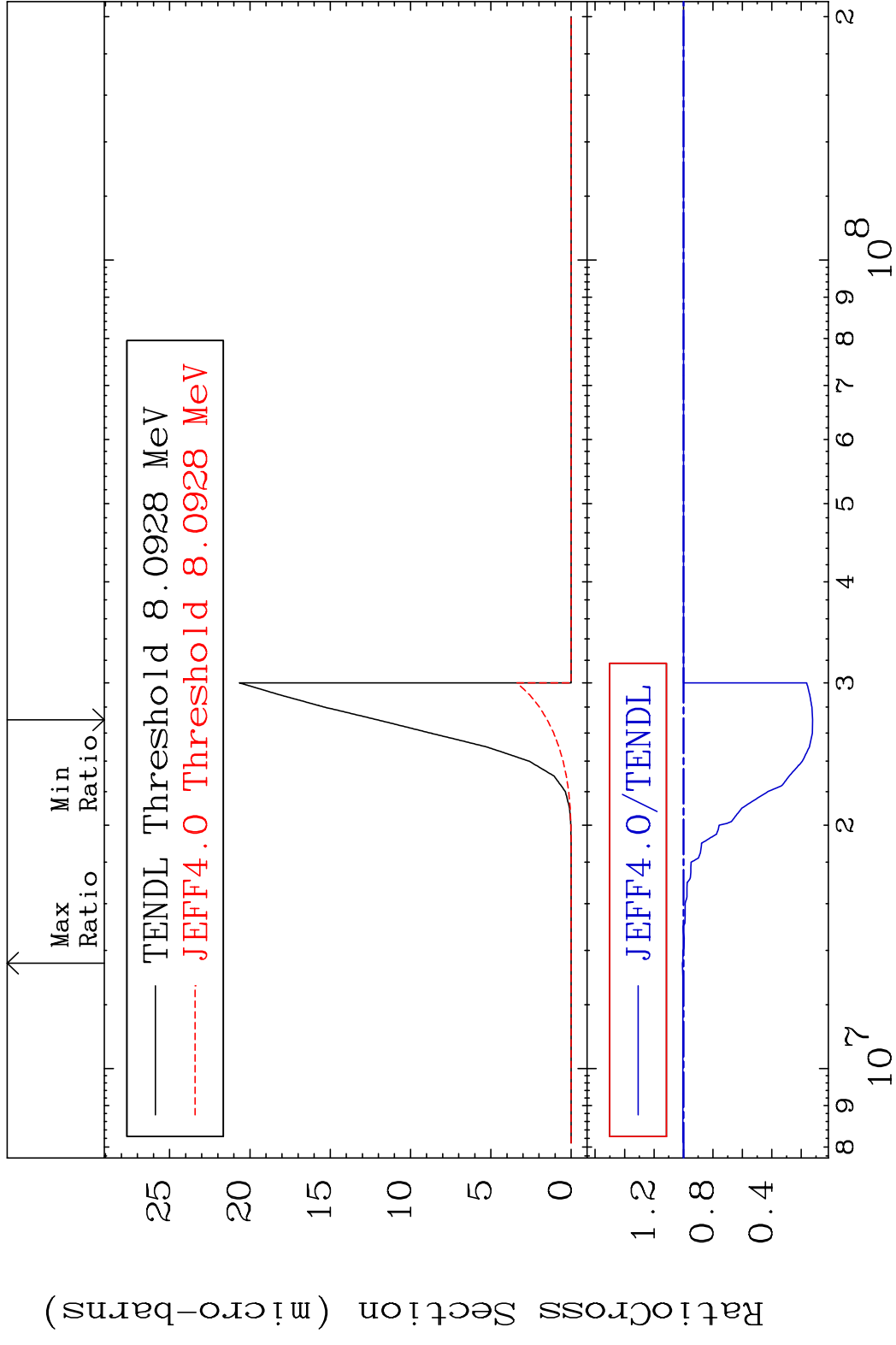


MAT 6619

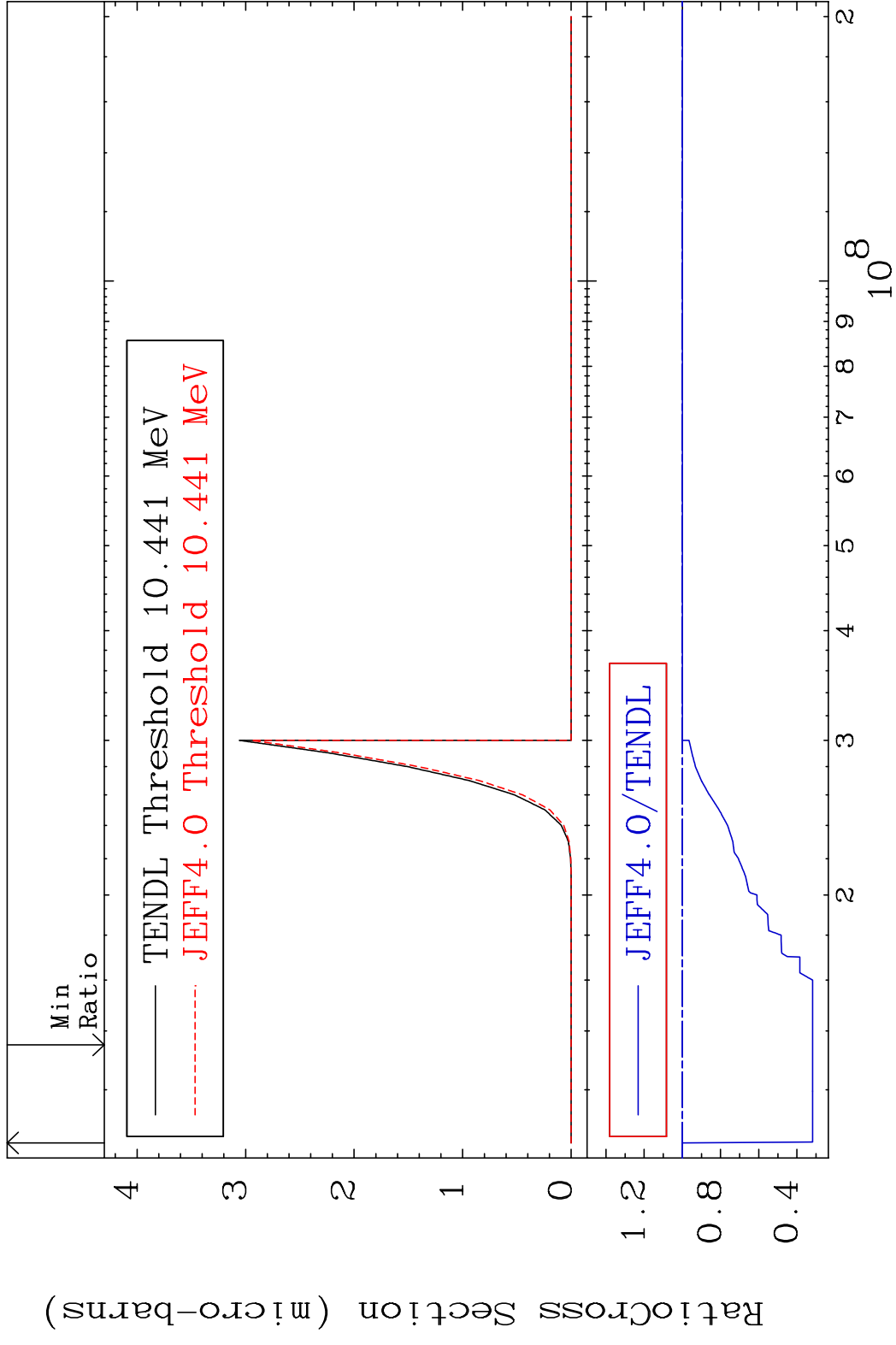
(n,p) d

66-Dy-154

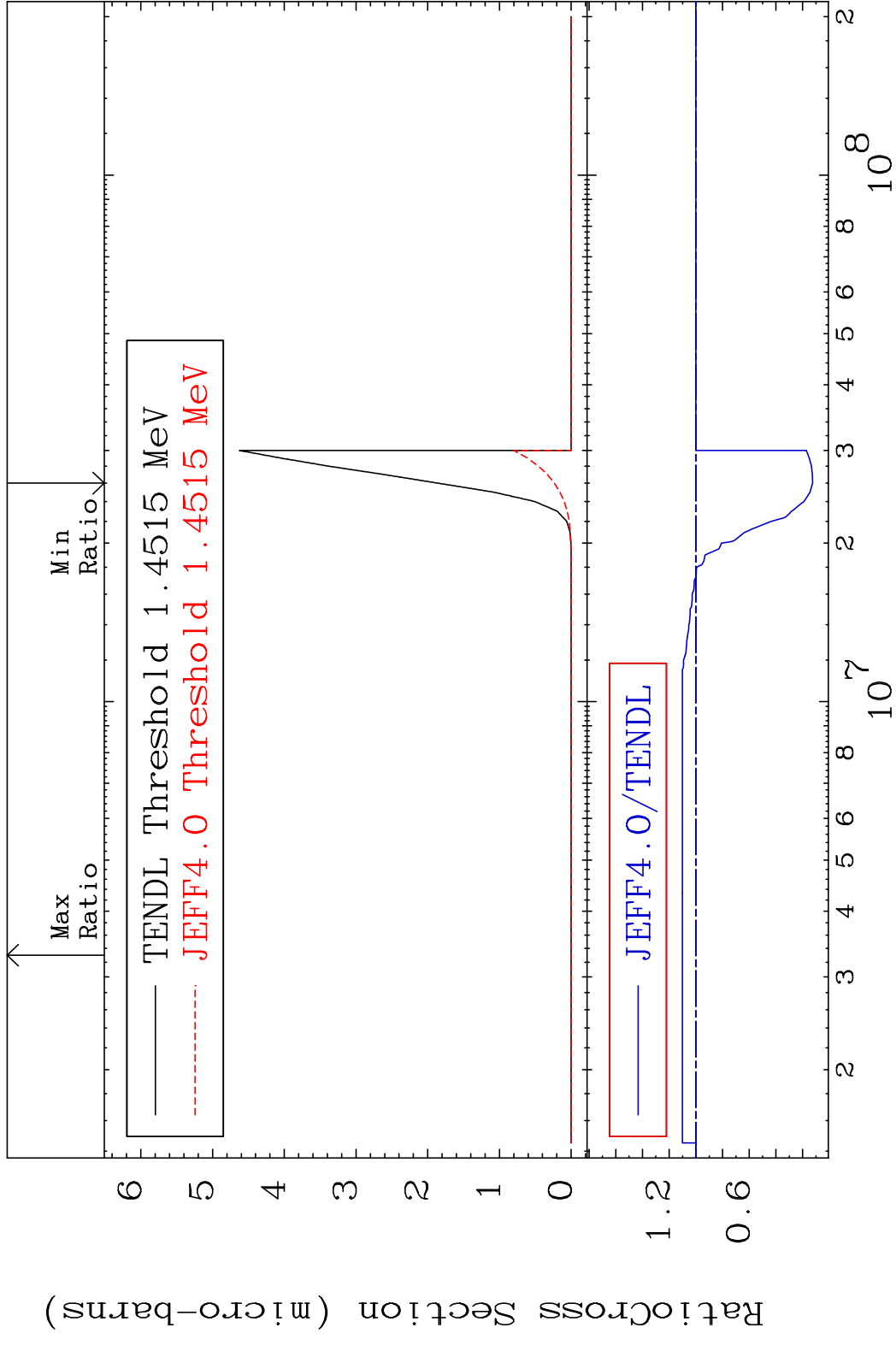
Cross Section -87.64 To 0.774 %



MAT 6619 (n,p) t 66-Dy-154
 Cross Section -68.16 To 0.000 %



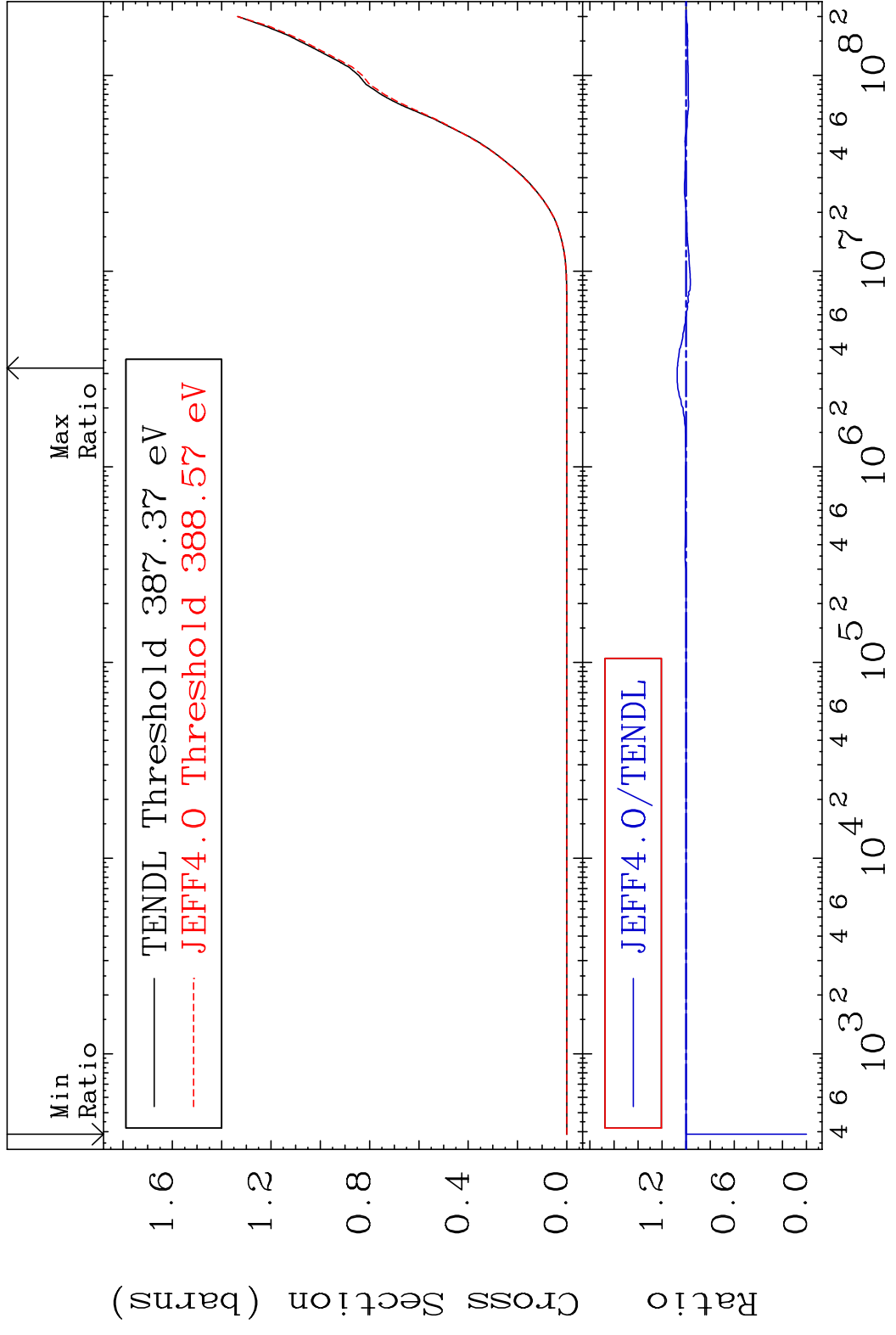
MAT 6619 (n,d) α 66-Dy-154
 Cross Section -87.41 To 10.11 %



MAT 6619

Hydrogen Production
Cross Section -100.0 To 7.445 %

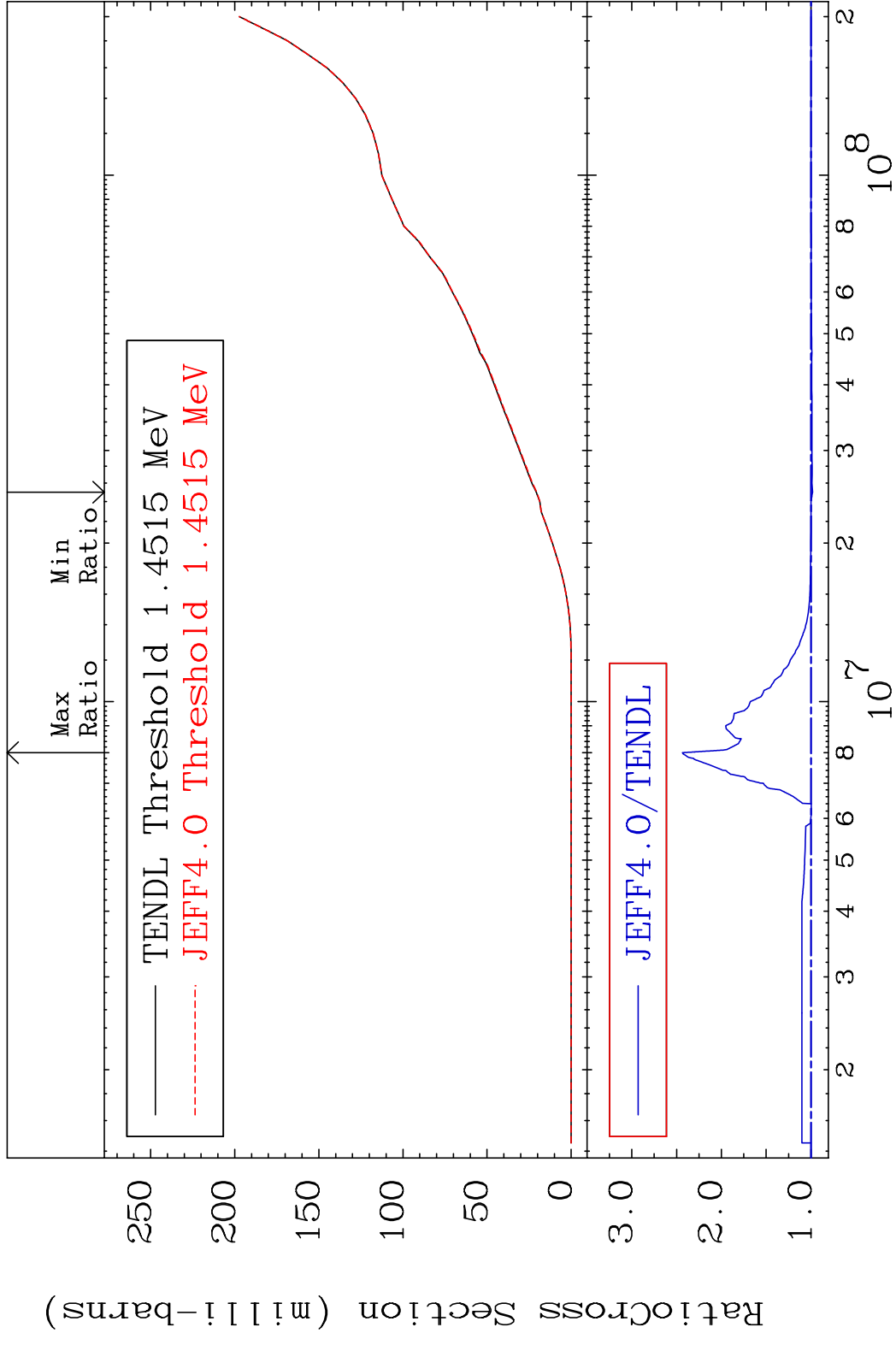
66-Dy-154



60

Incident Energy (eV)

66-Dy-154

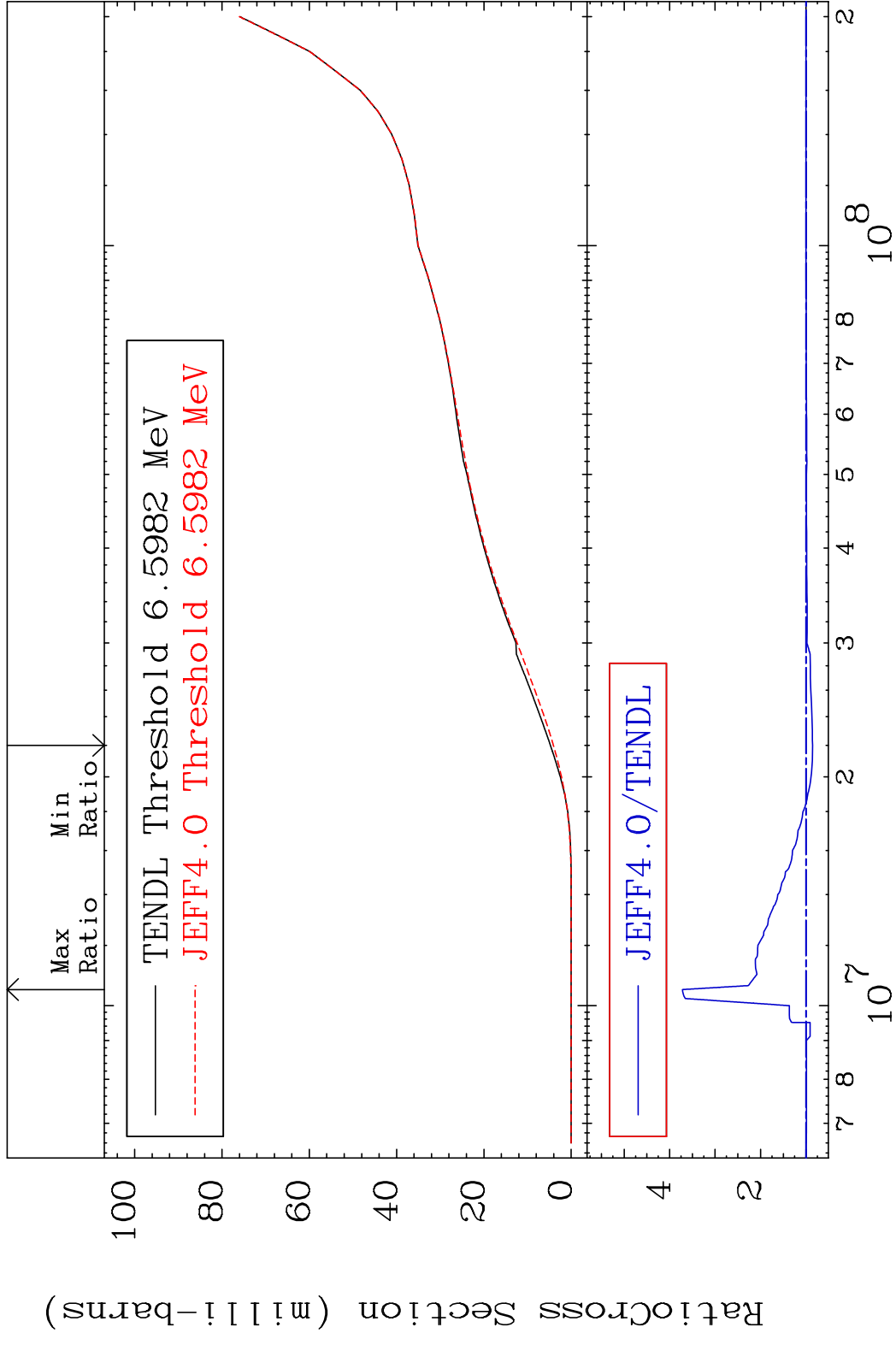


MAT 6619

Tritium Production

66-Dy-154

Cross Section -14.31 To 272.0 %



62

Incident Energy (eV)

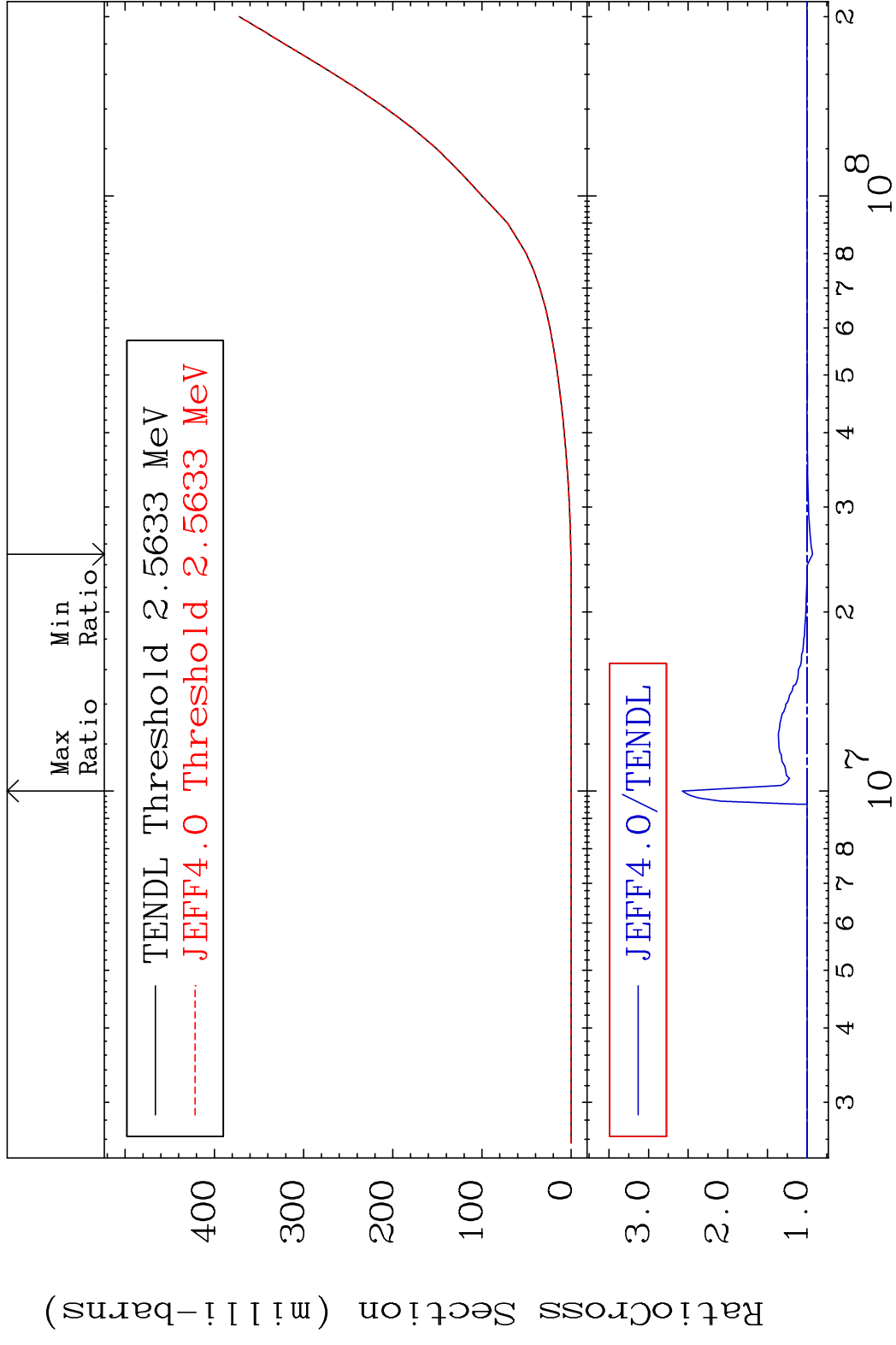
66-Dy-154

MAT 6619

He-3 Production

66-Dy-154

Cross Section -6.991 To 157.3 %



63

Incident Energy (eV)

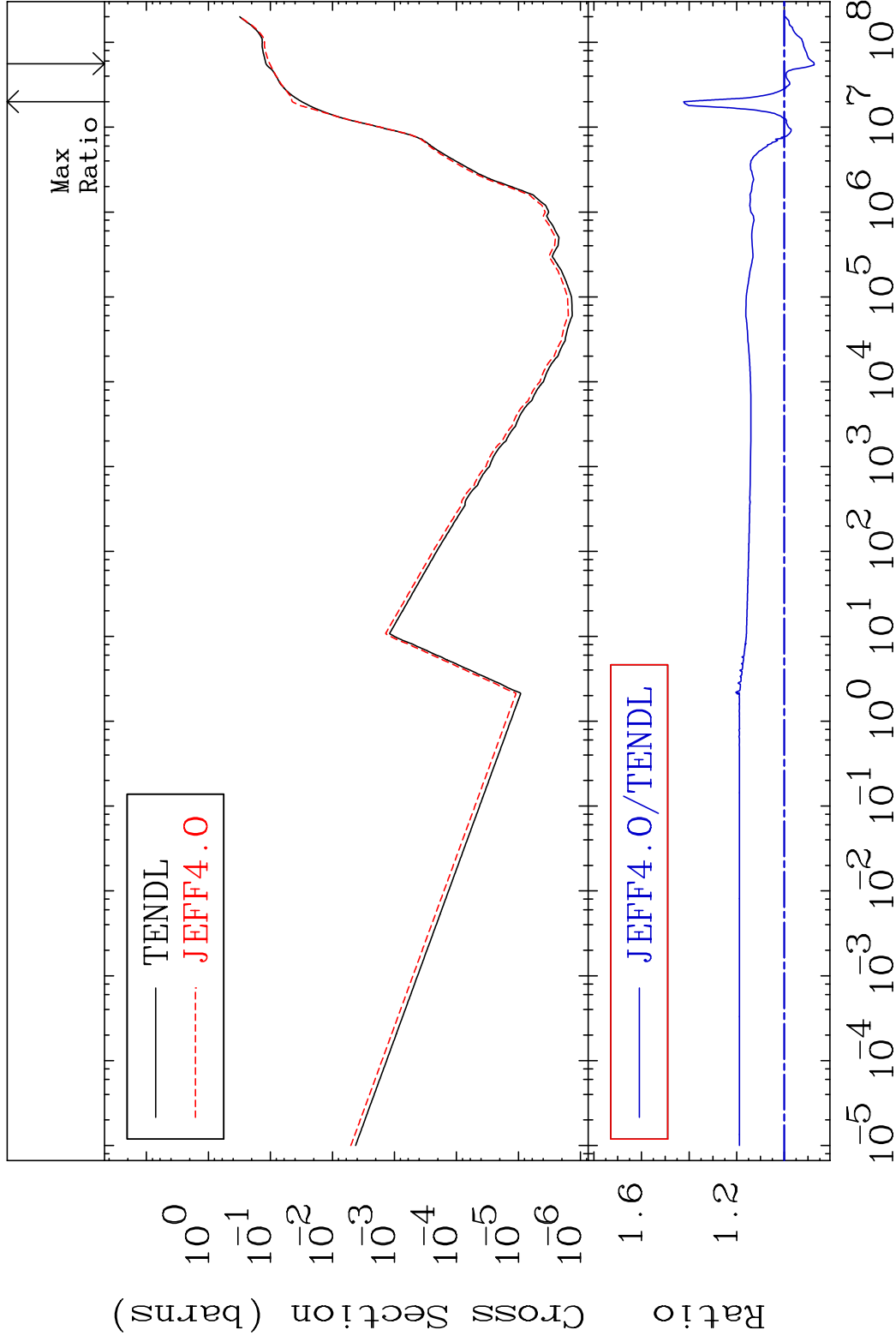
66-Dy-154

MAT 6619

He-4 Production

66-Dy-154

Cross Section -12.54 To 42.28 %

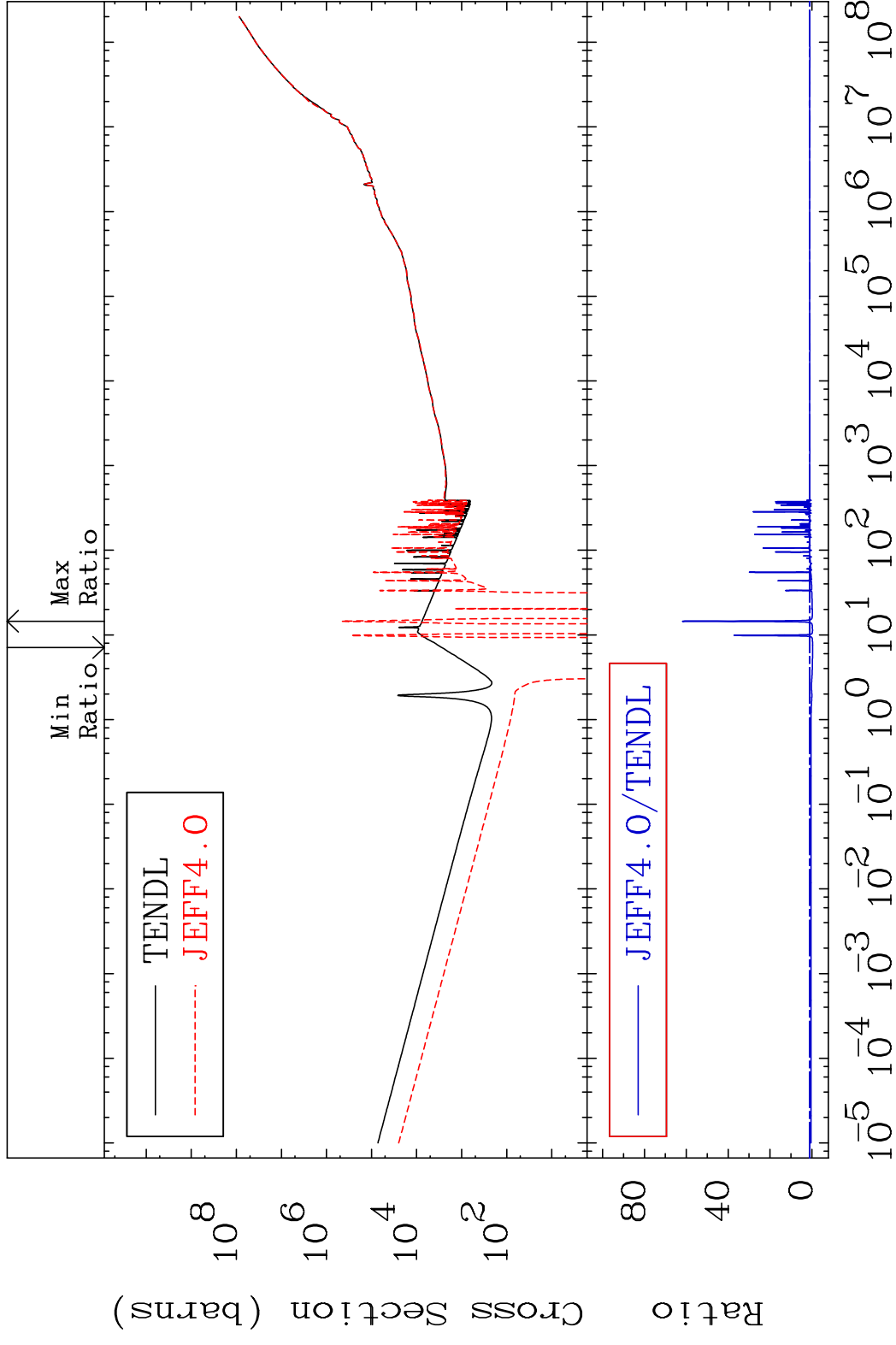


64

Incident Energy (eV)

66-Dy-154

MAT 6619 Kerma total (eV-barns) 66-Dy-154
 Cross Section -134.3 To 6089. %



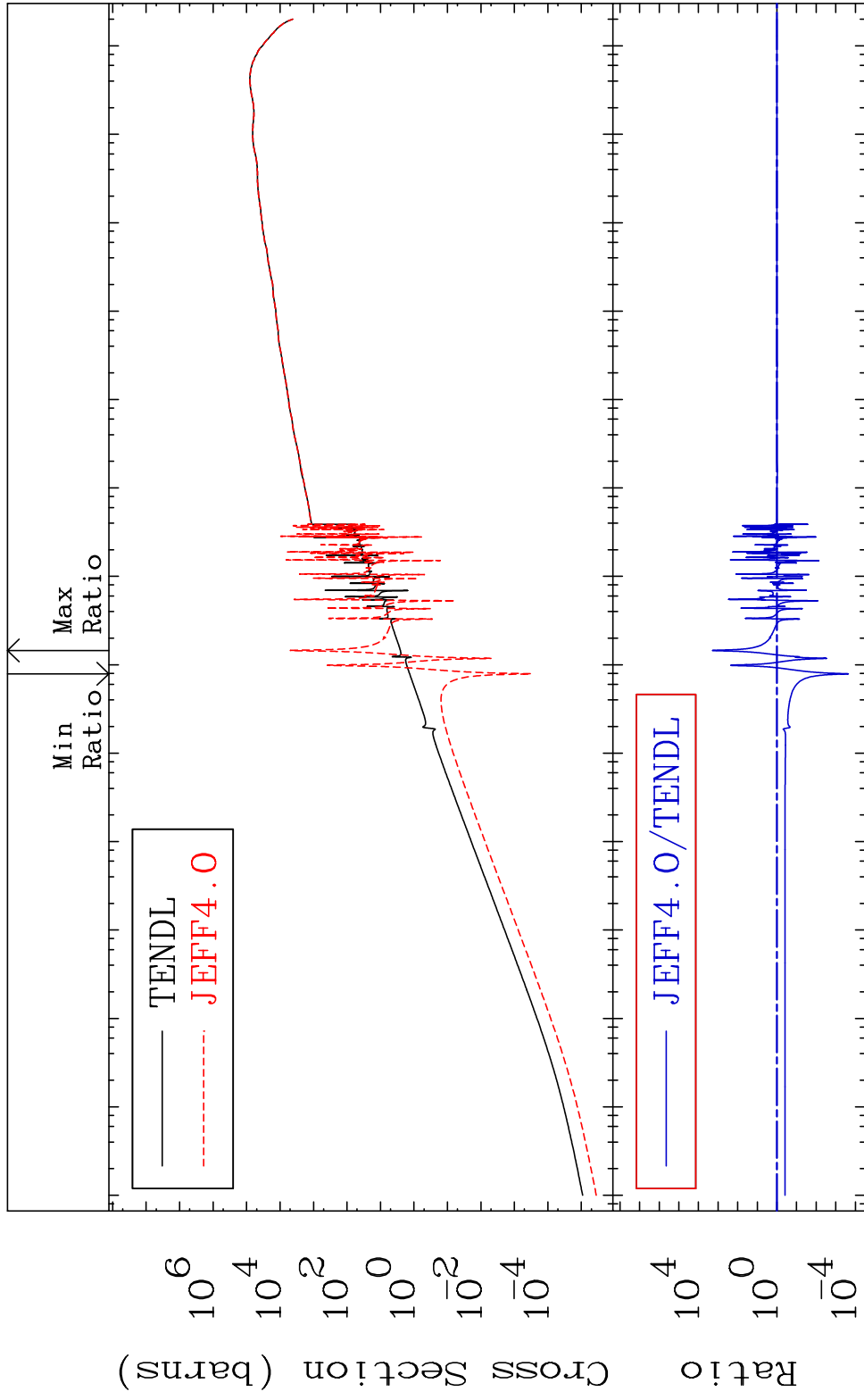
65 Incident Energy (eV) 66-Dy-154

MAT 6619

Kerma elastic

66-Dy-154

Cross Section -99.98 To 9999. %

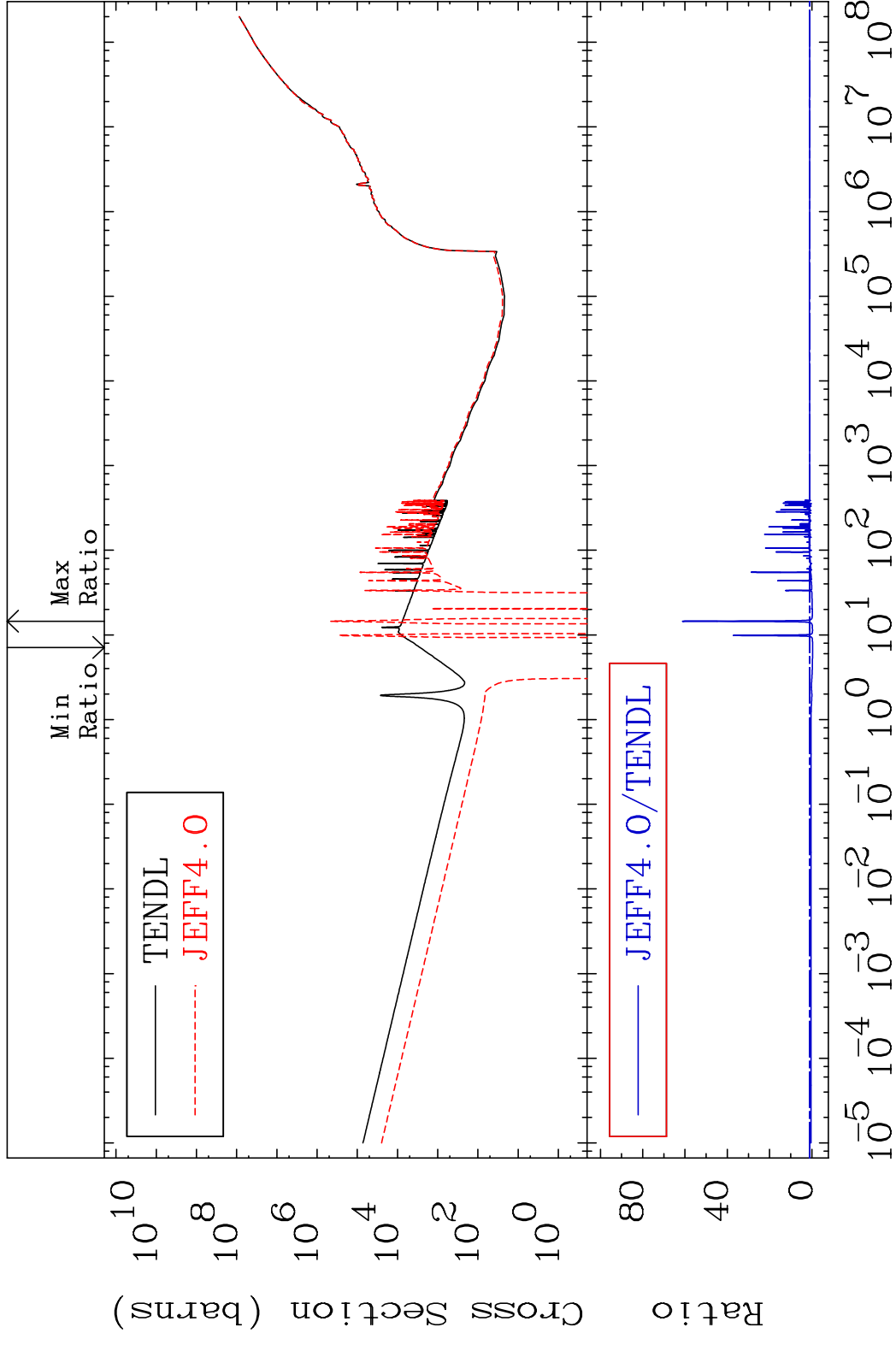


66

Incident Energy (eV)

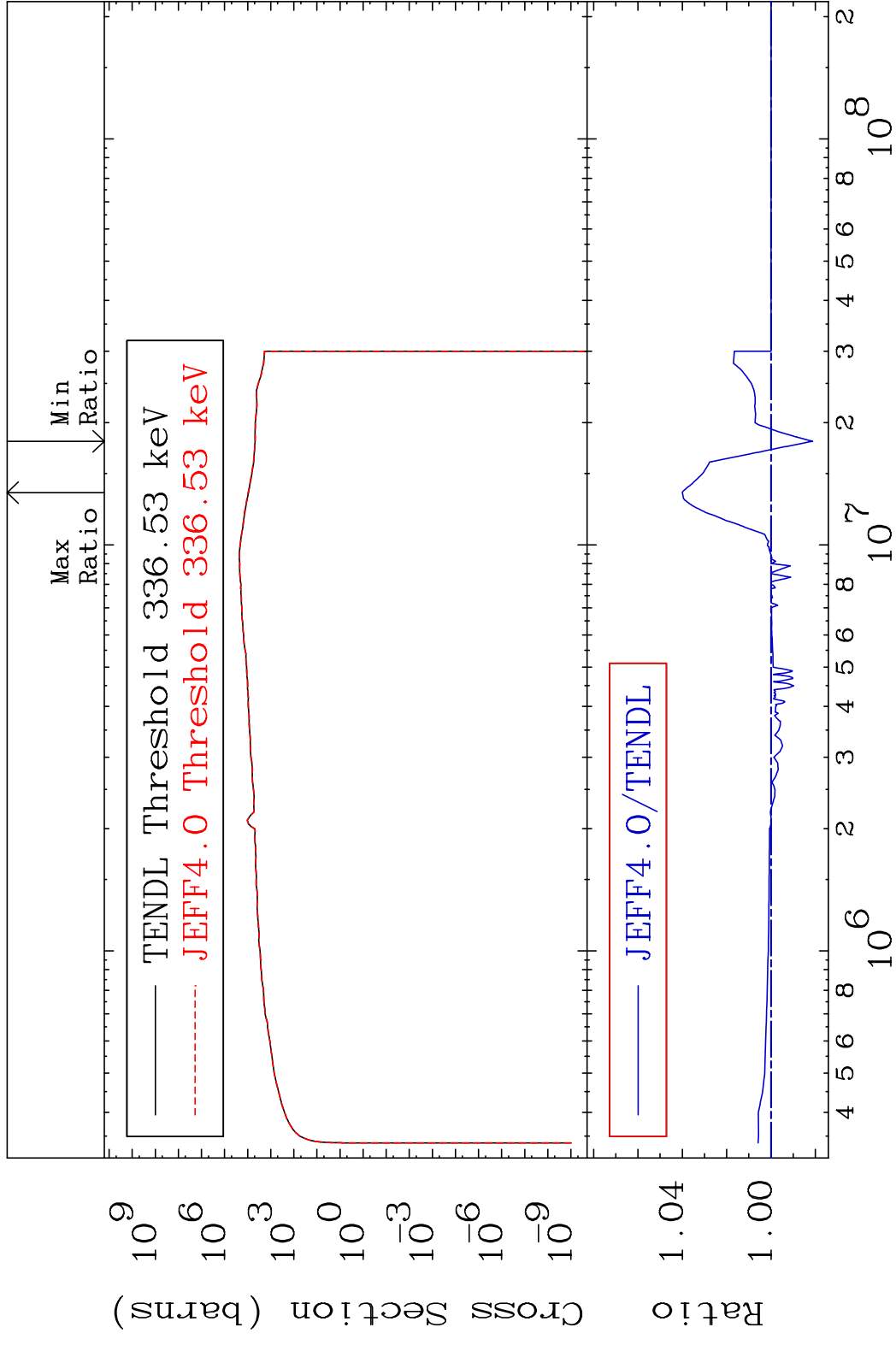
66-Dy-154

MAT 6619 Kerma non-elastic (all but mt2) 66-Dy-154
 Cross Section -134.3 To 6025. %

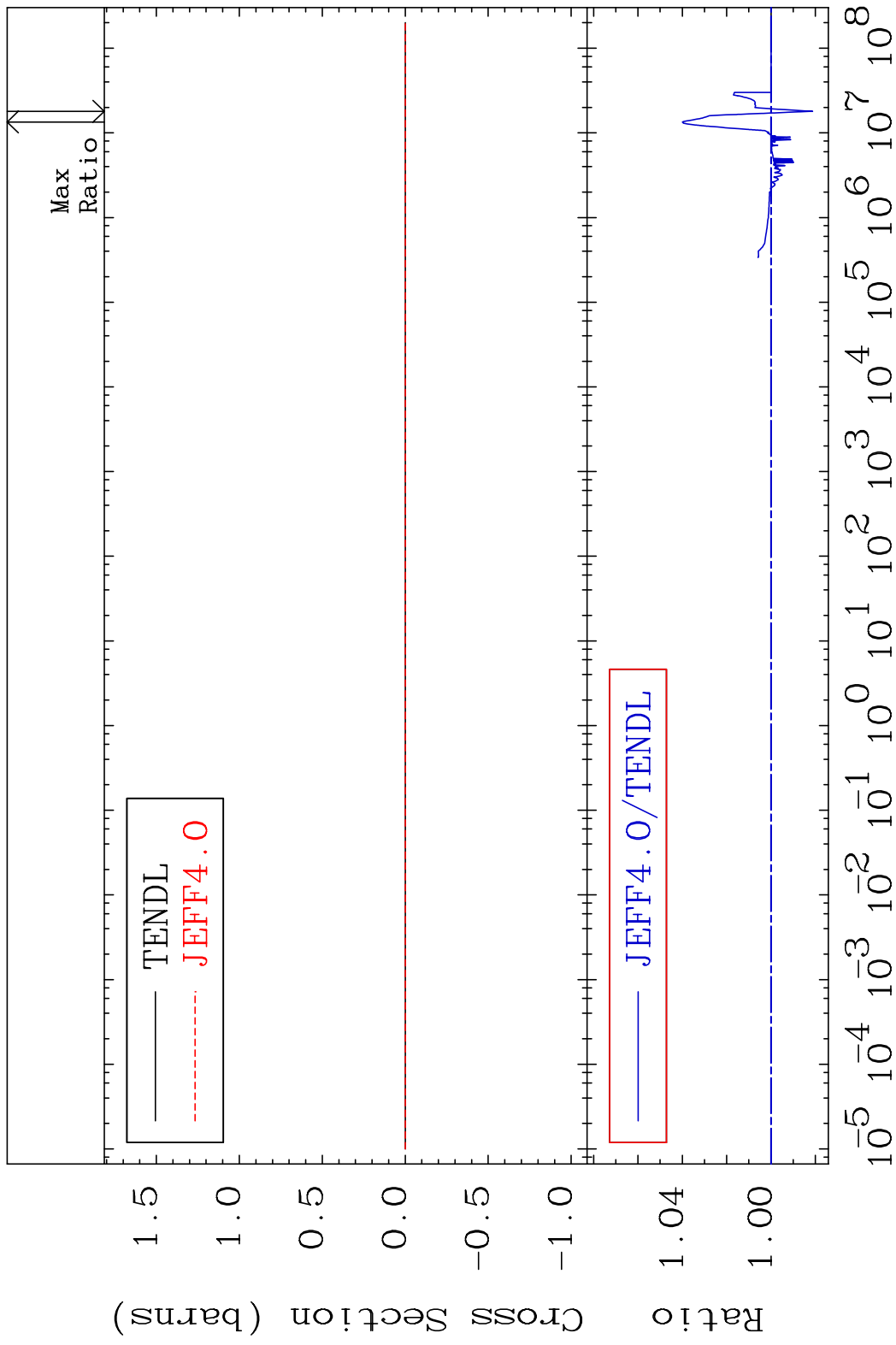


67 Incident Energy (eV) 66-Dy-154

MAT 6619 Kerma inelastic (mt51-91) 66-Dy-154
 Cross Section -1.875 To 3.997 %

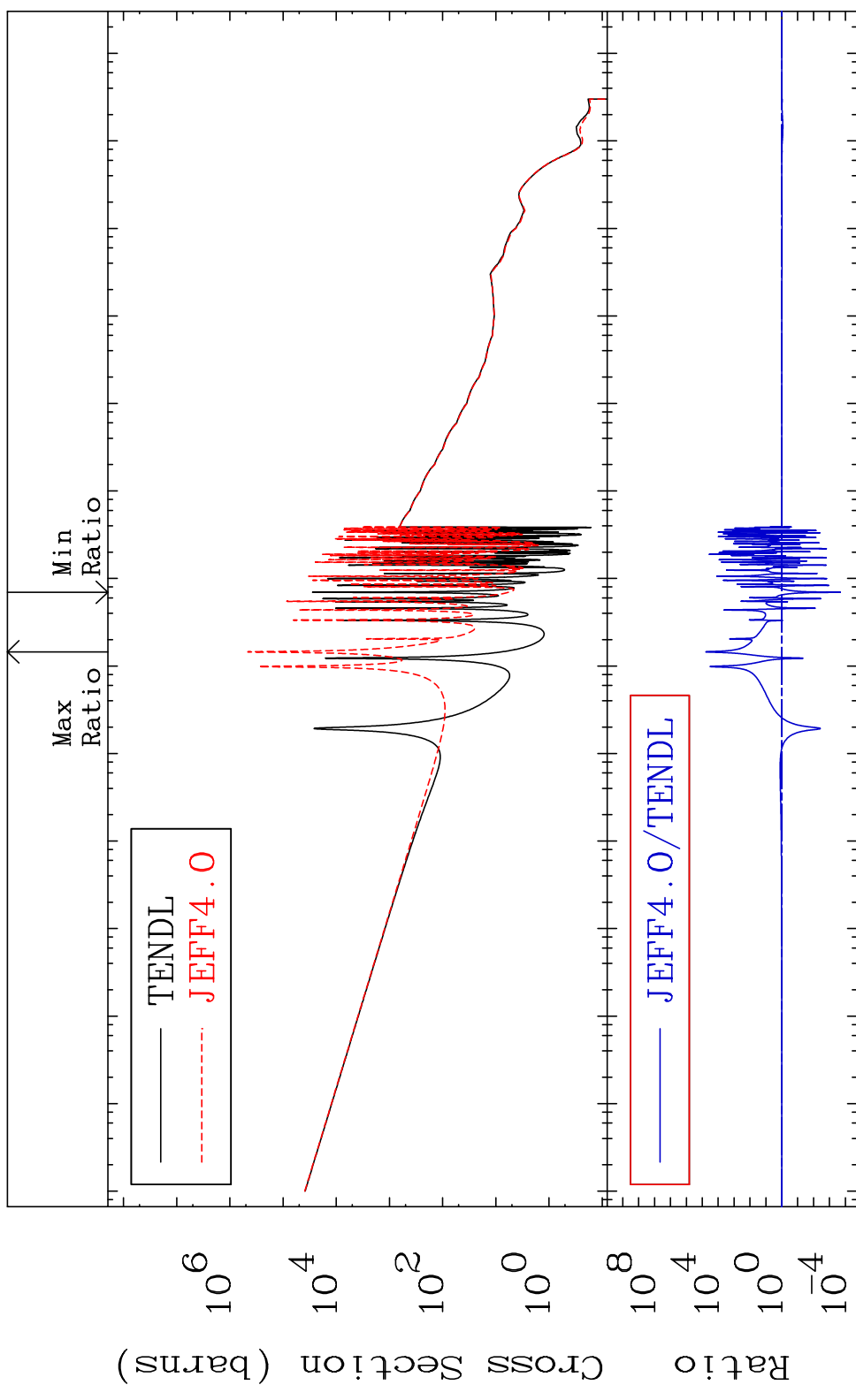


MAT 6619 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-154
 Cross Section -1.875 To 3.997 %



MAT 6619

Kerma capture (mt102) 66-Dy-154
Cross Section -99.98 To 9999. %



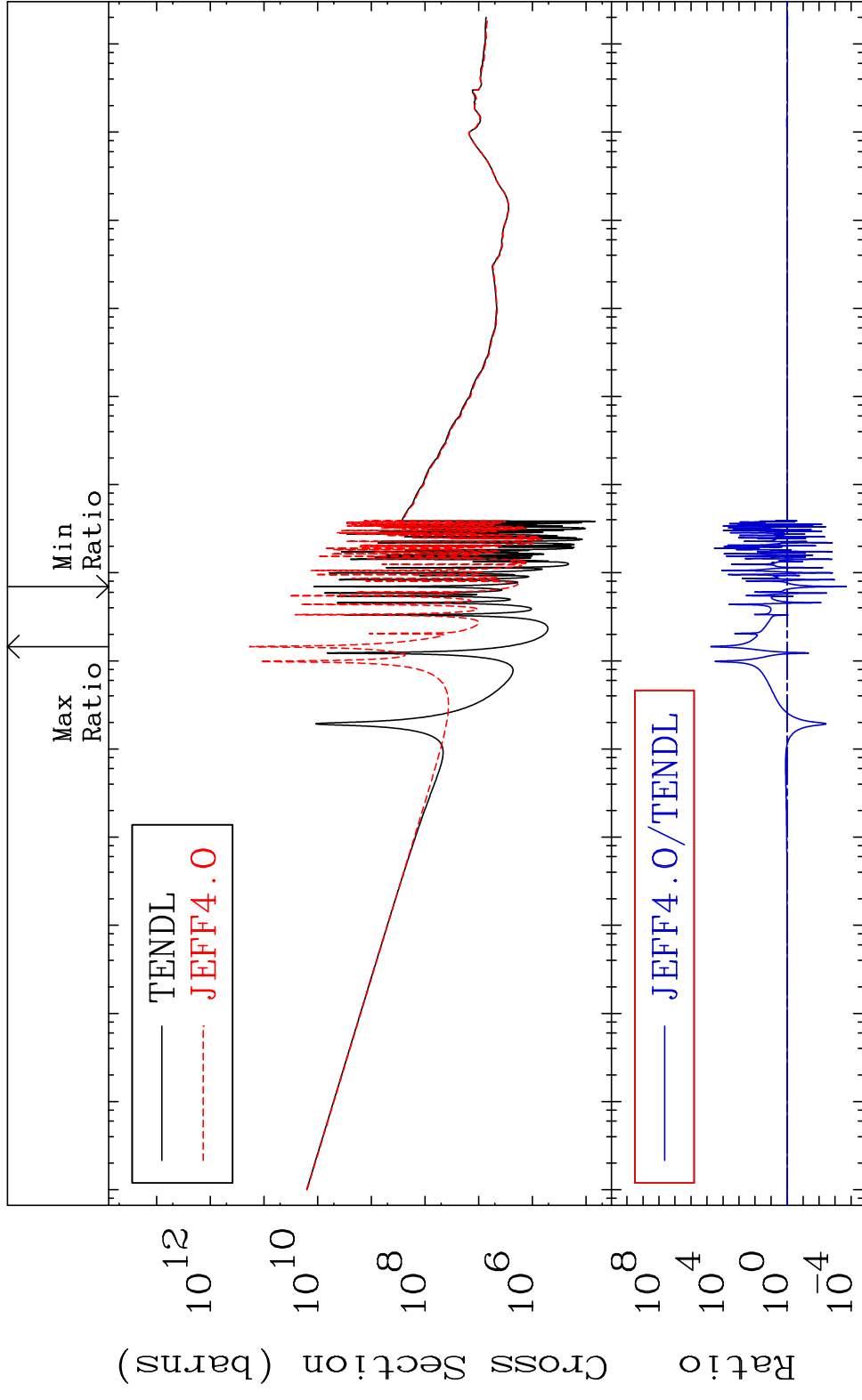
70

Incident Energy (eV)

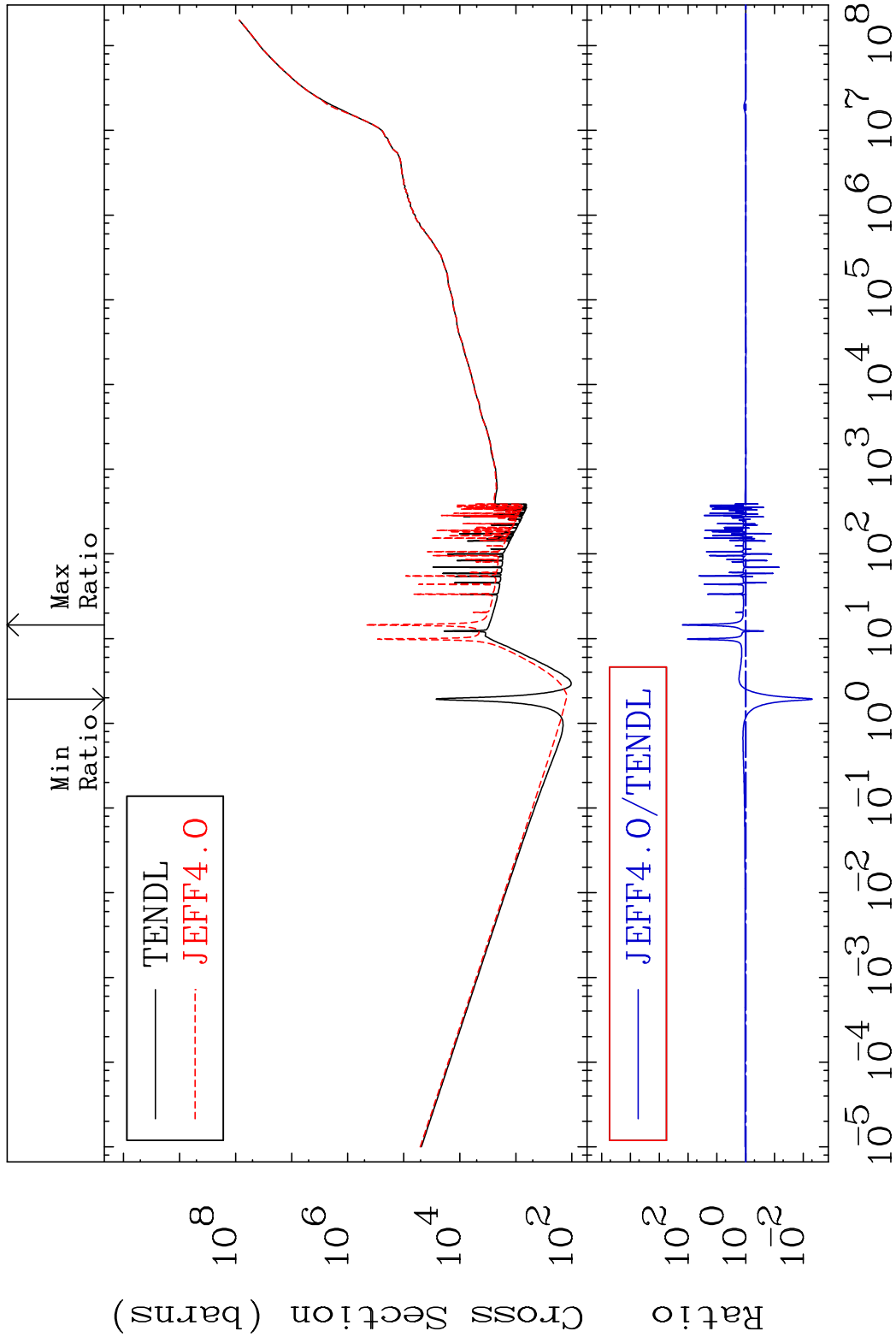
66-Dy-154

MAT 6619

Total photon (eV-barns) 66-Dy-154
Cross Section -99.98 To 9999. %



MAT 6619 Total kinematic kerma (high limit) 66-Dy-154
 Cross Section -99.52 To 9999. %

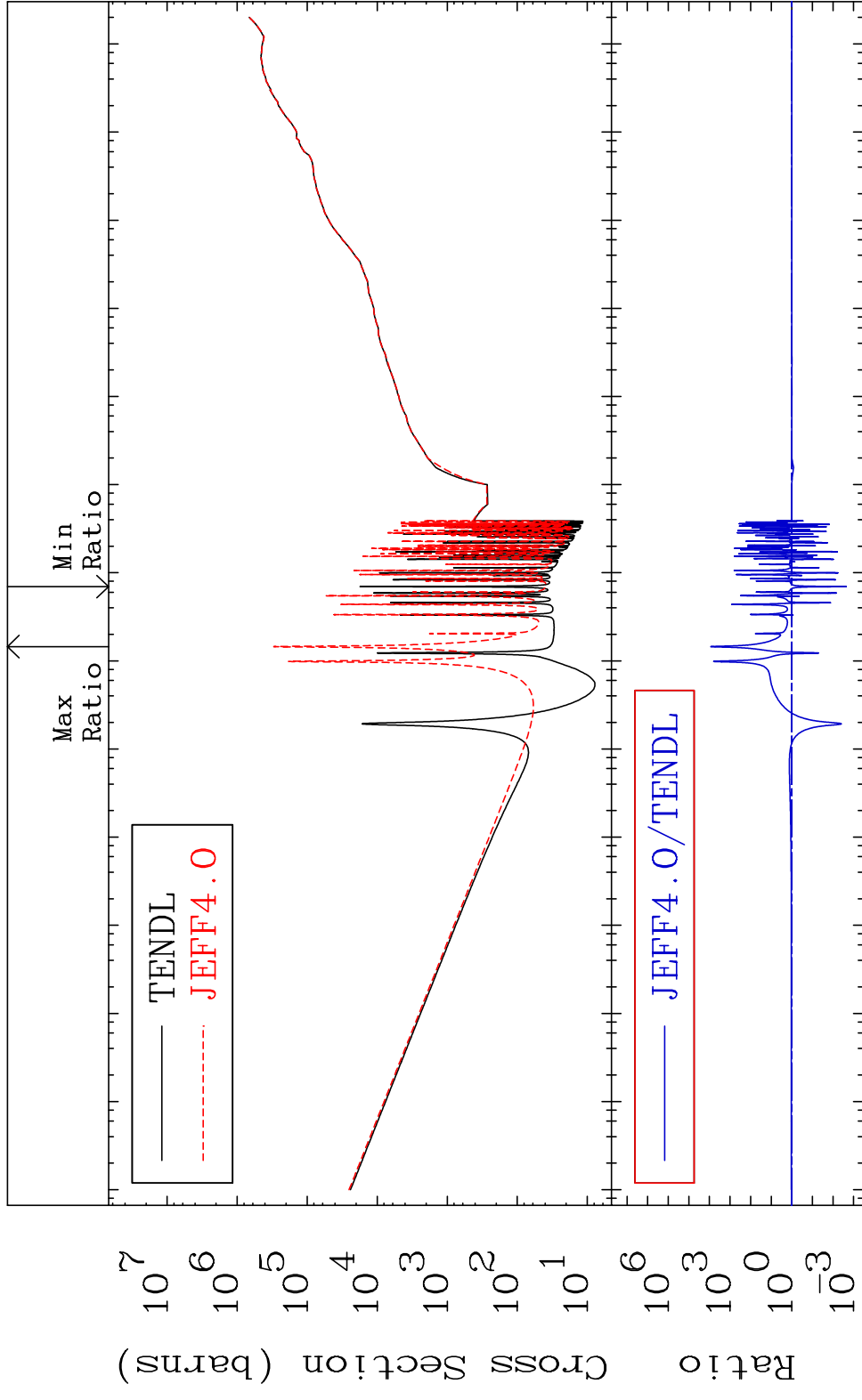


MAT 6619

Dpa total (eV-barns)

66-Dy-154

Cross Section -99.78 To 9999. %



73

Incident Energy (eV)

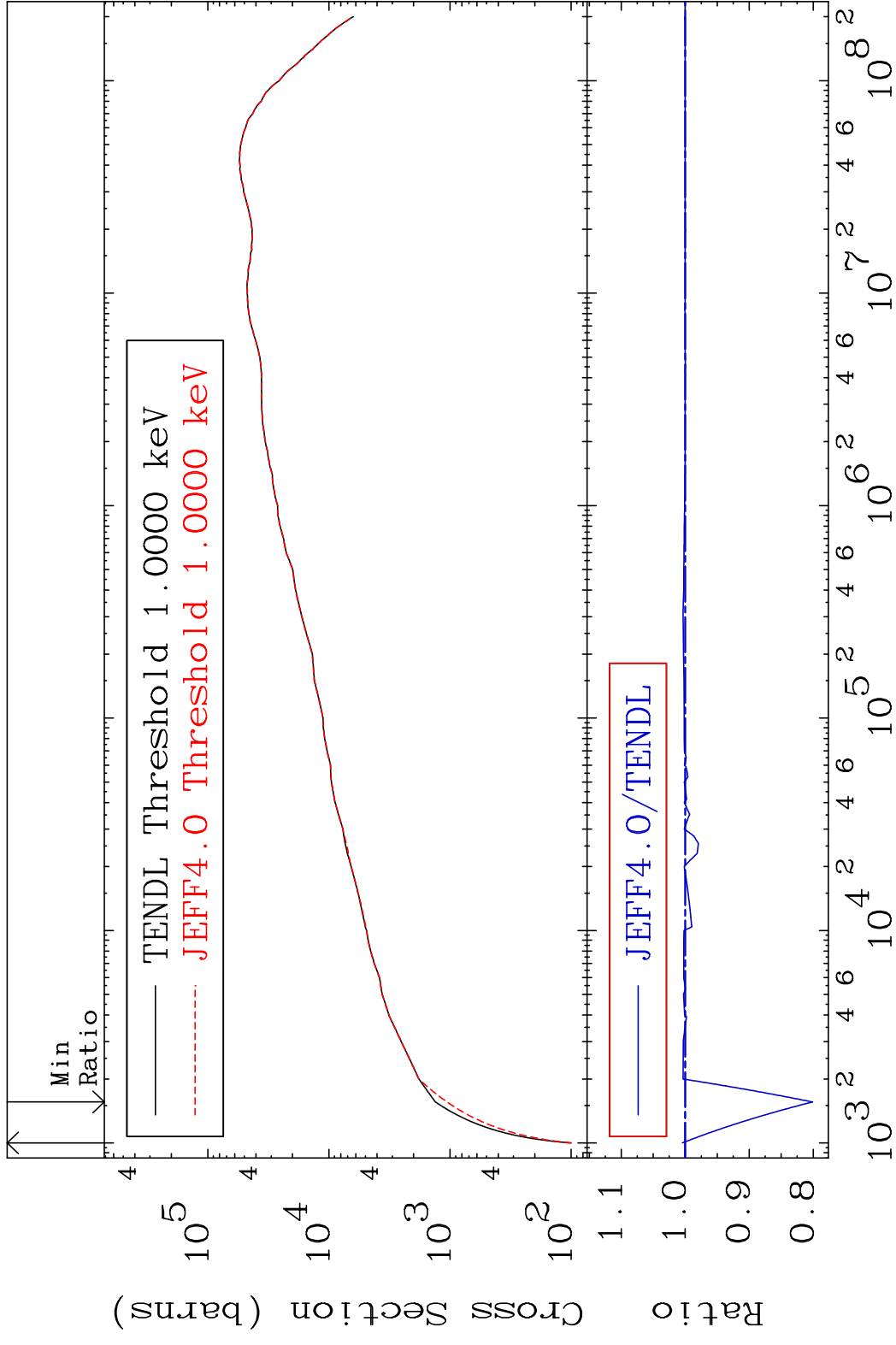
66-Dy-154

MAT 6619

Dpa elastic (mt2)

66-Dy-154

Cross Section -19.90 To 0.447 %



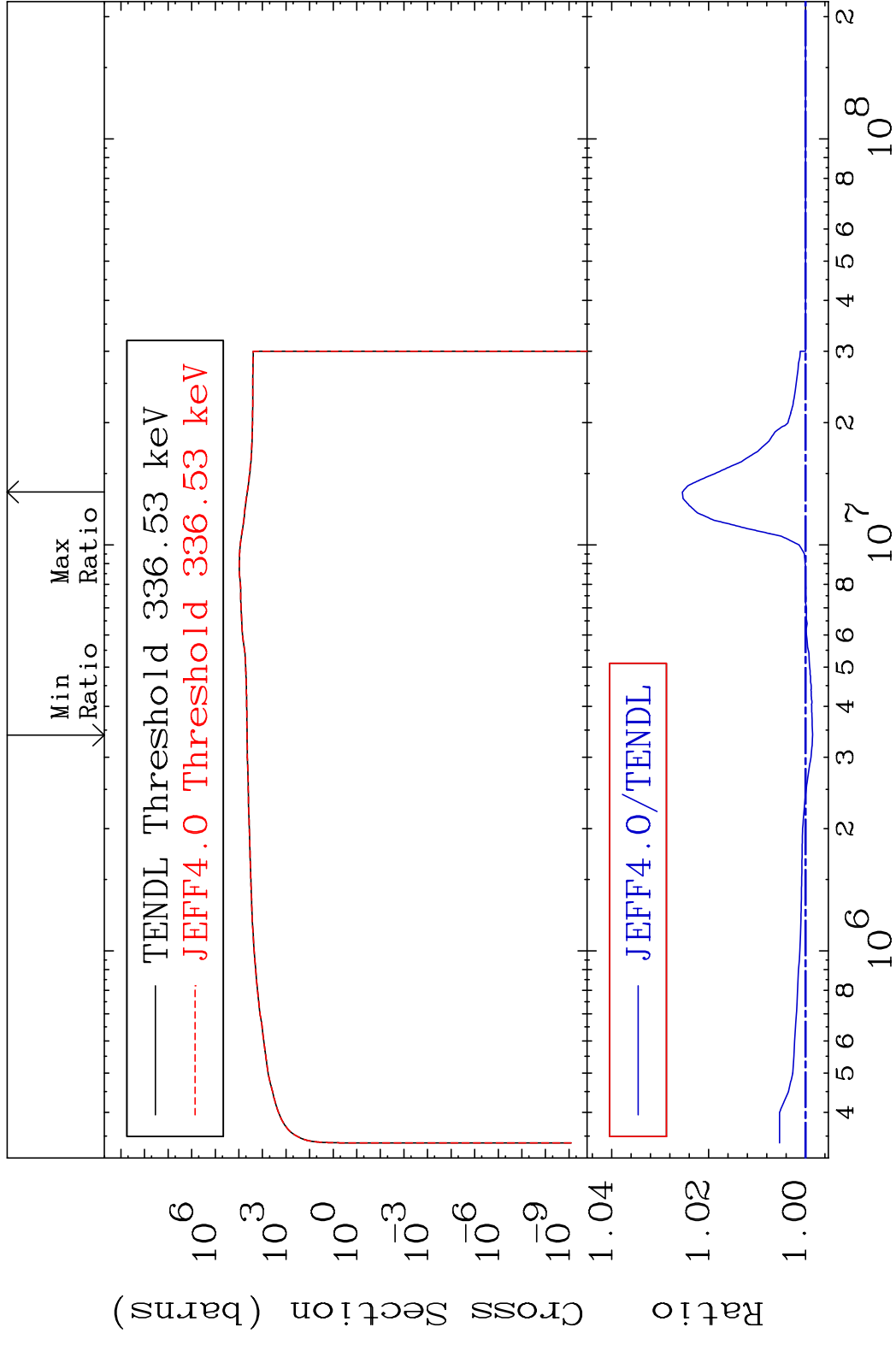
74

Incident Energy (eV)

66-Dy-154

MAT 6619

Dpa inelastic (mt51-91) 66-Dy-154
Cross Section -0.147 To 2.543 %

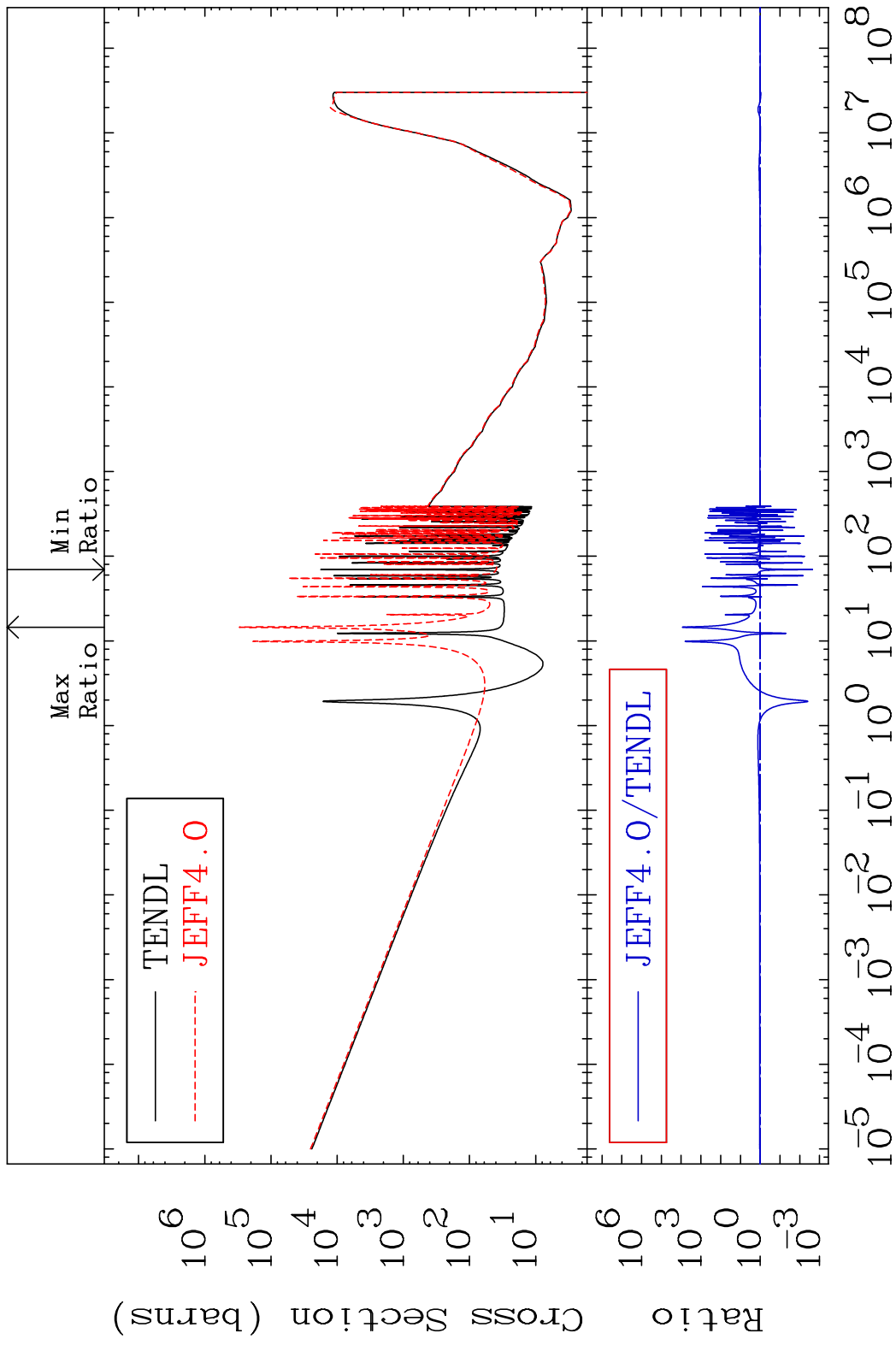


75

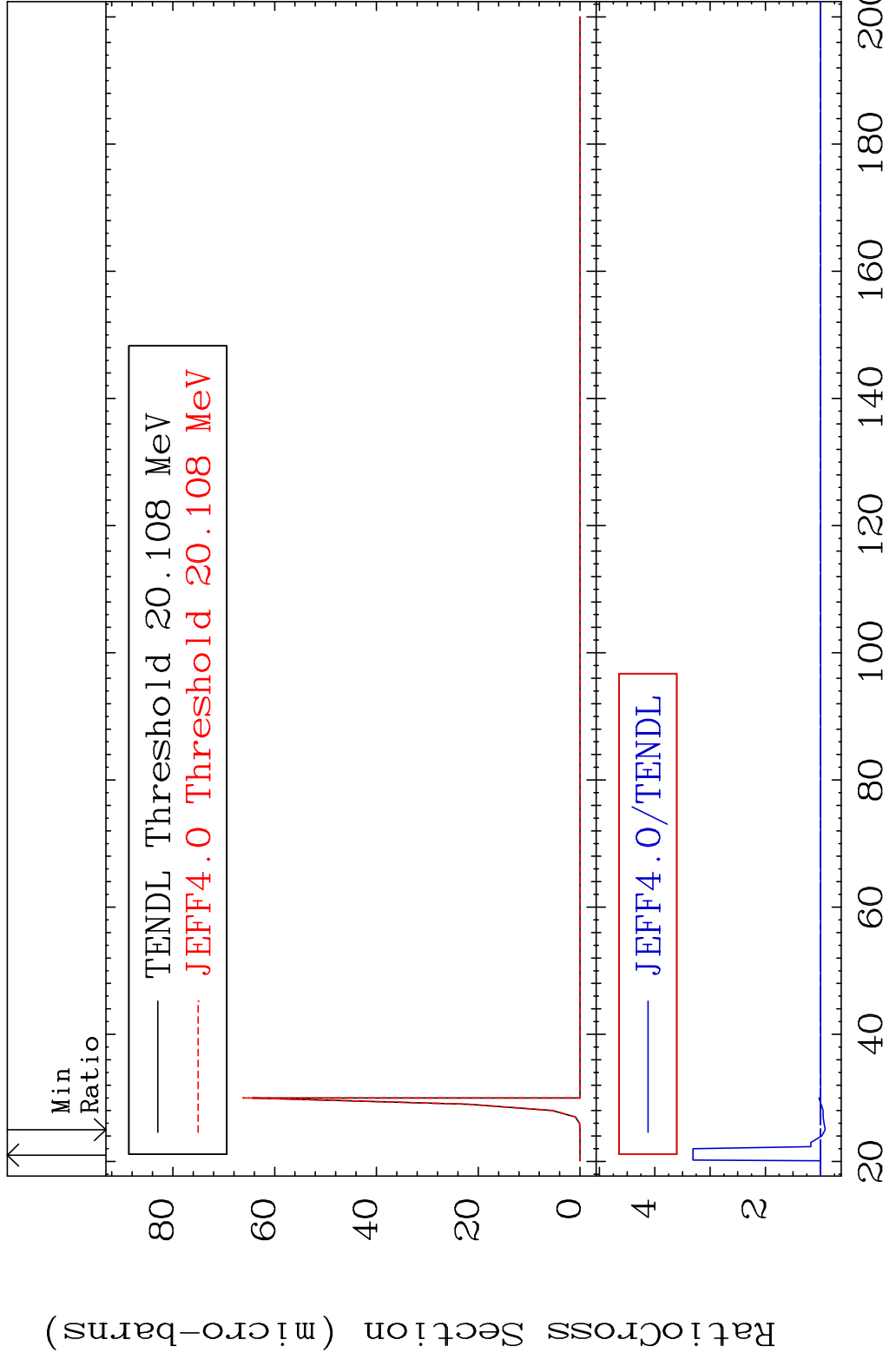
Incident Energy (eV)

66-Dy-154

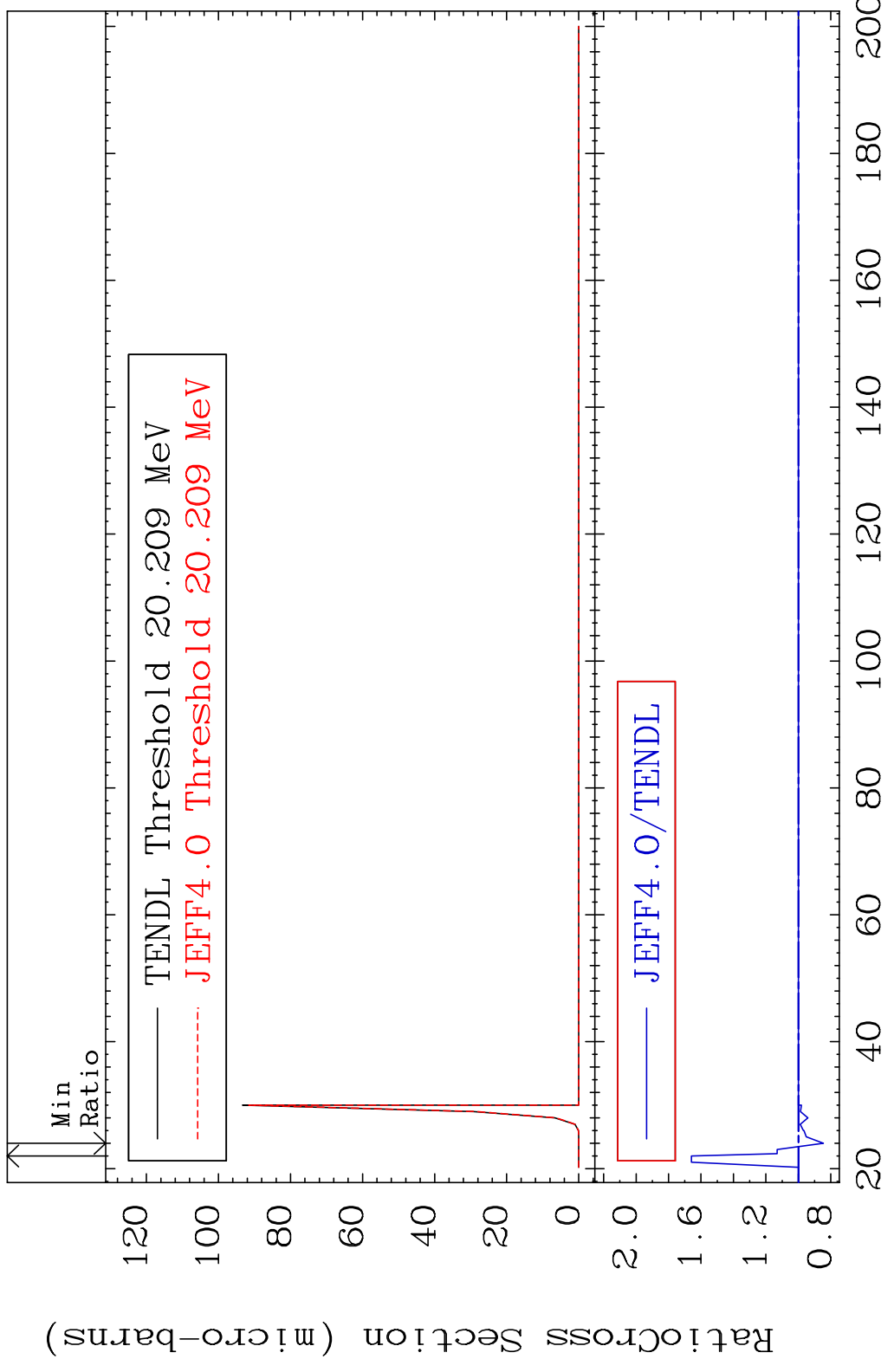
MAT 6619 Dpa disappearance (mt102 -120) 66-Dy-154
 Cross Section -99.78 To 9999. %



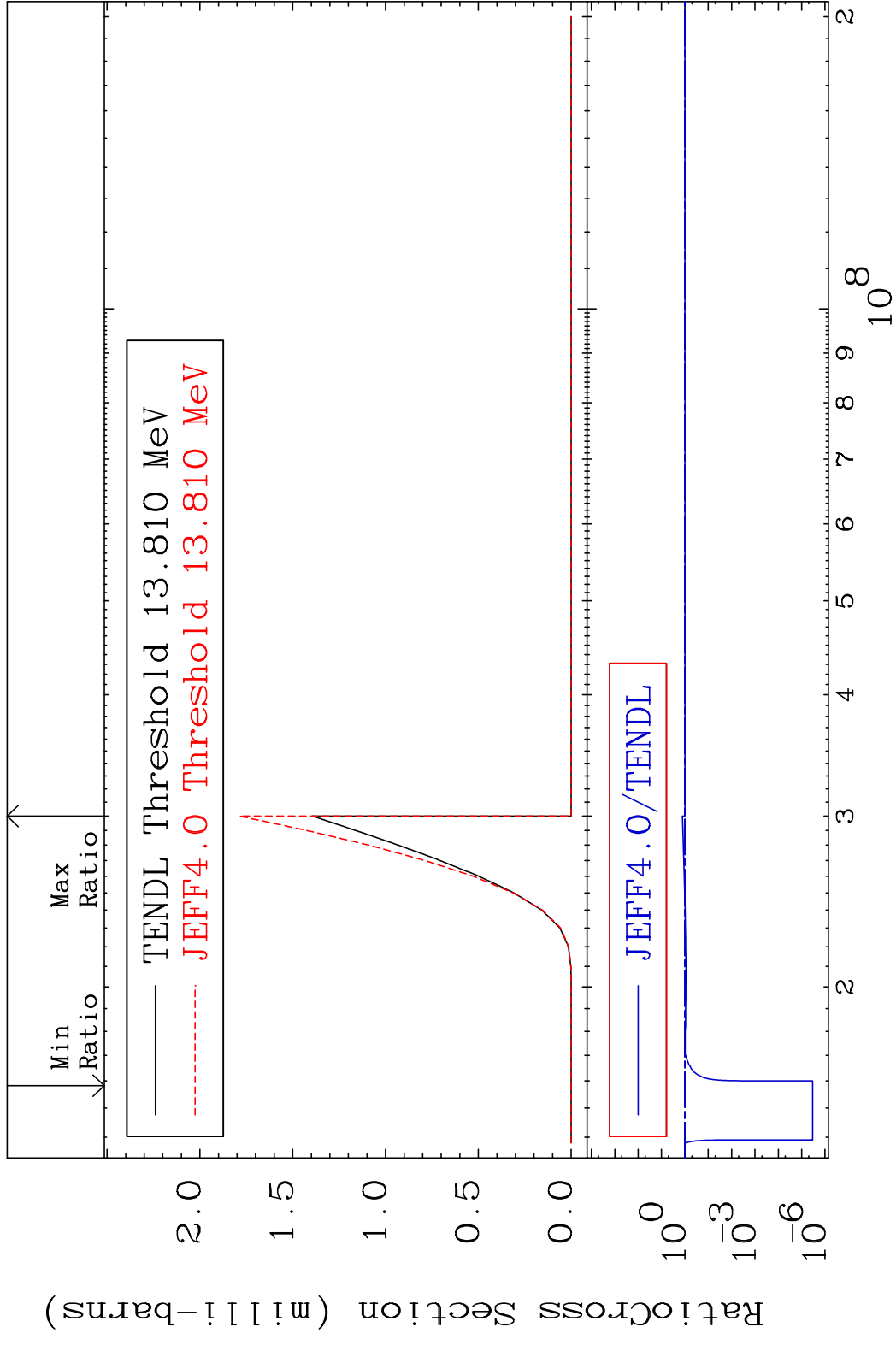
MAT 6619 (n,2n) d:65-Tb-151g 66-Dy-154
 Radionuclide Production Cross Section 231.0 %



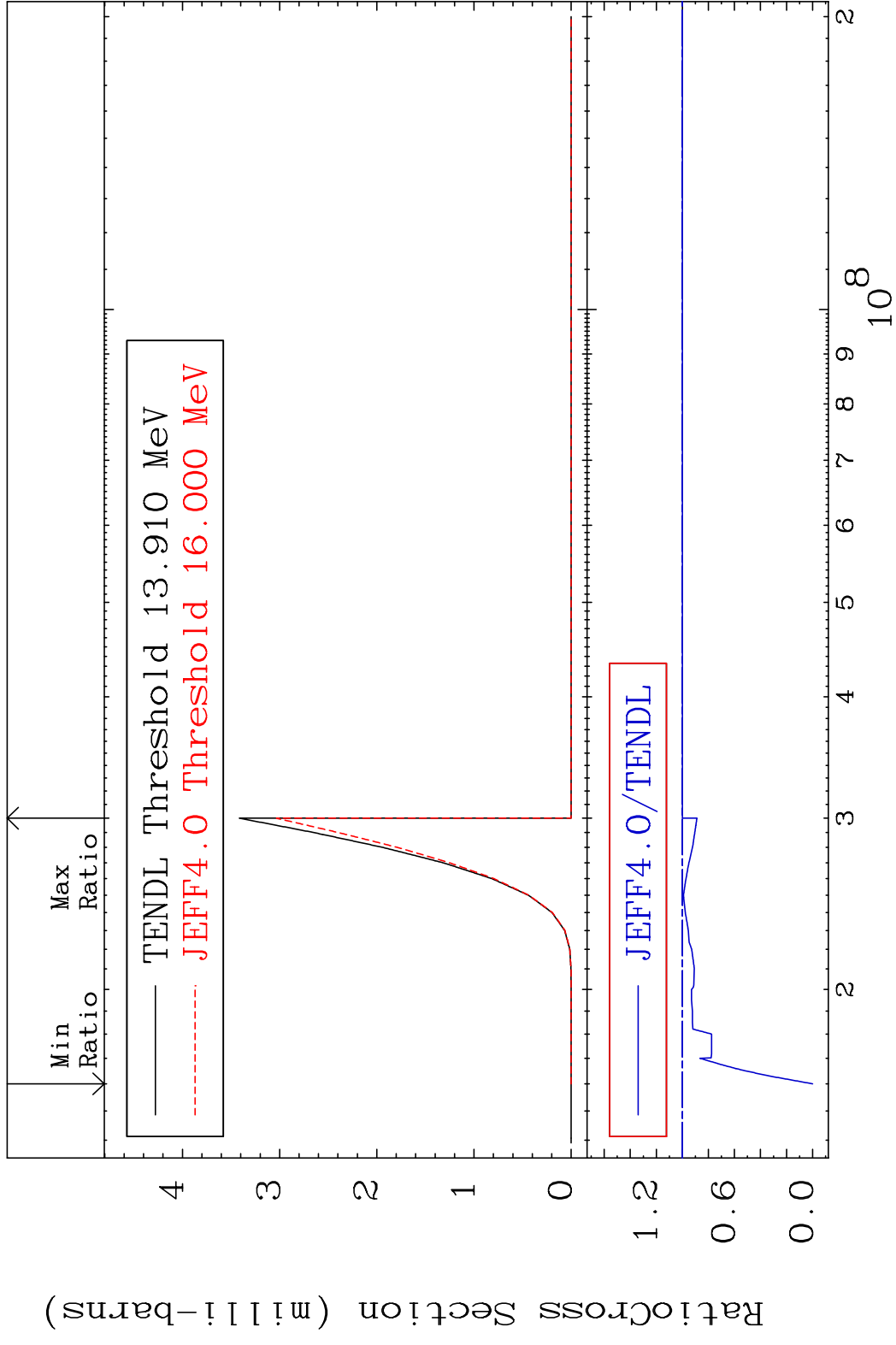
MAT 6619 (n,2n) d:65-Tb-151m3 66-Dy-154
 Radionuclide Production Cross Section to 65.92 %

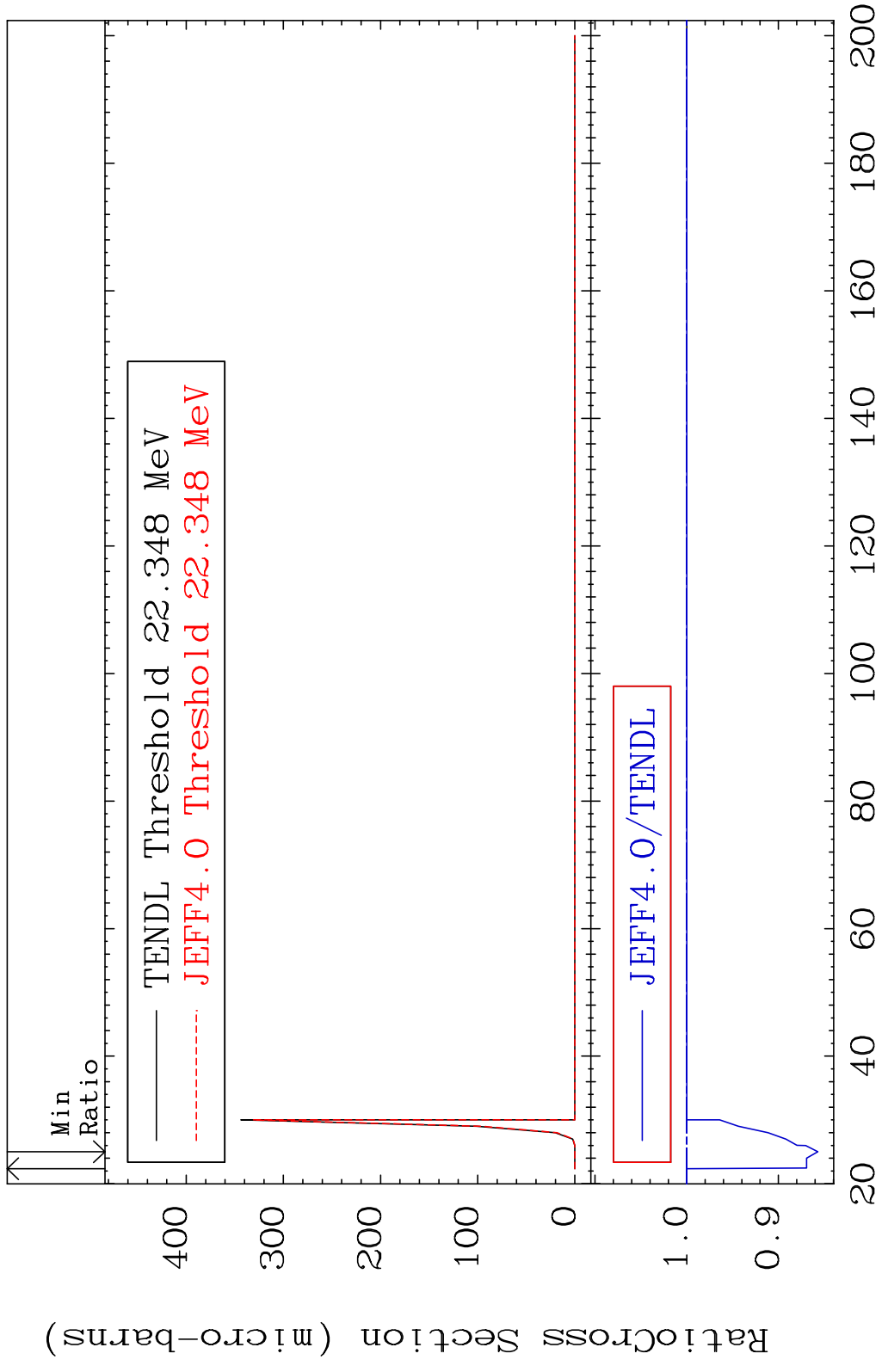


MAT 6619 (n, n') t:65-Tb-151g 66-Dy-154
 Radionuclide Production Cross Section Ratio 28.15 %

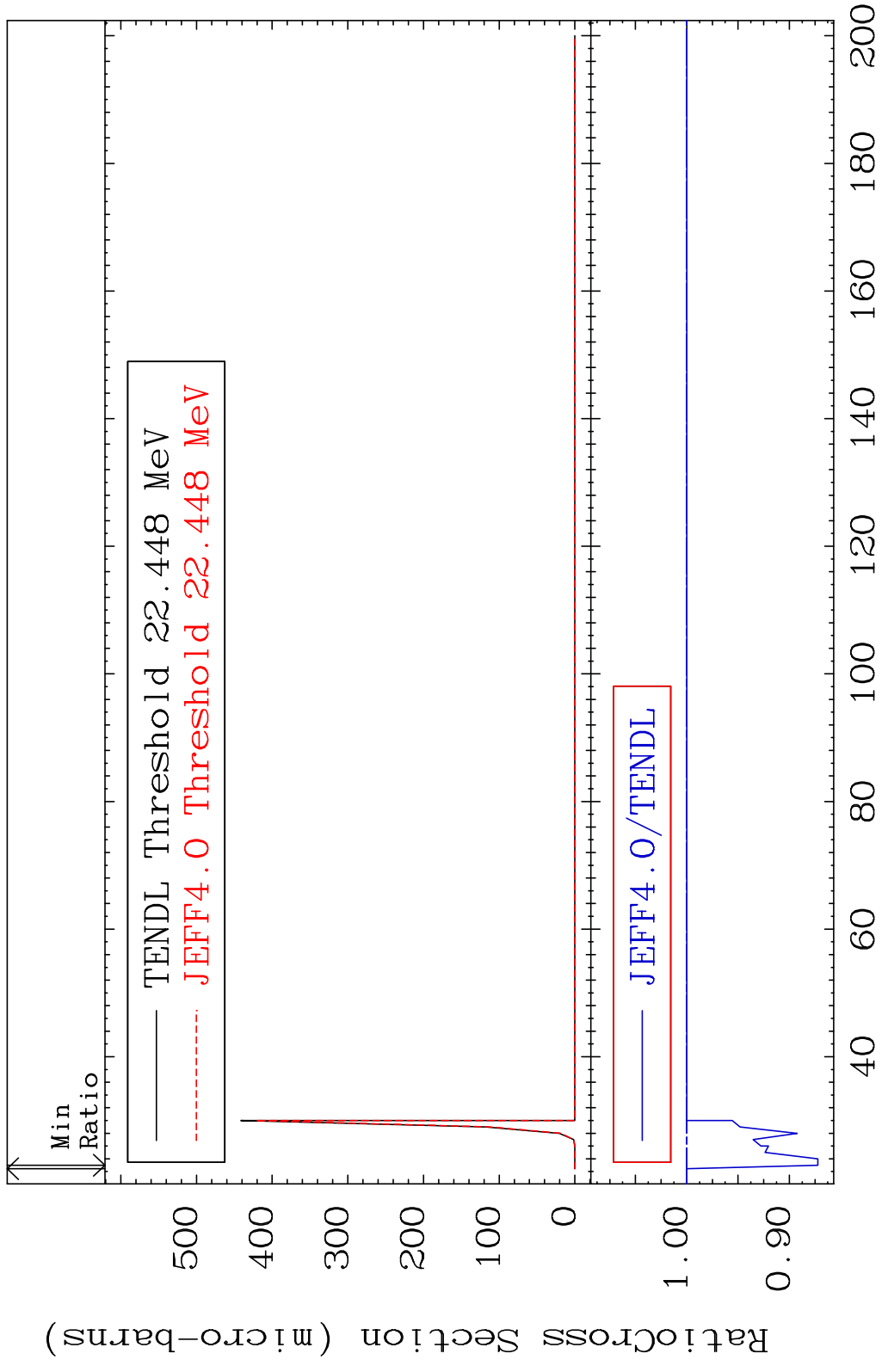


MAT 6619 (n, n') t:65-Tb-151m3 66-Dy-154
 Radionuclide Production Cross Section 180.0 dth 0.000 %

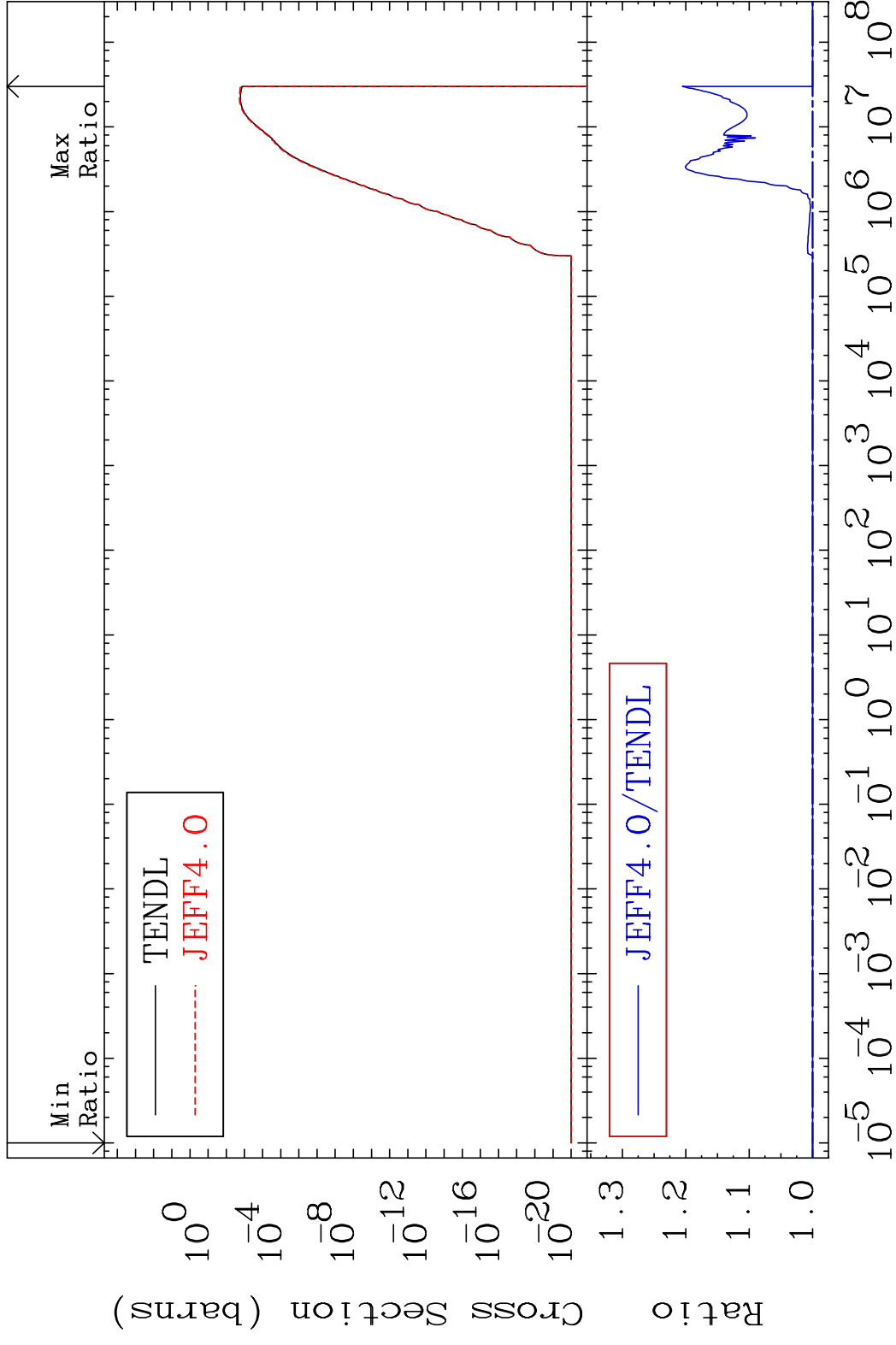




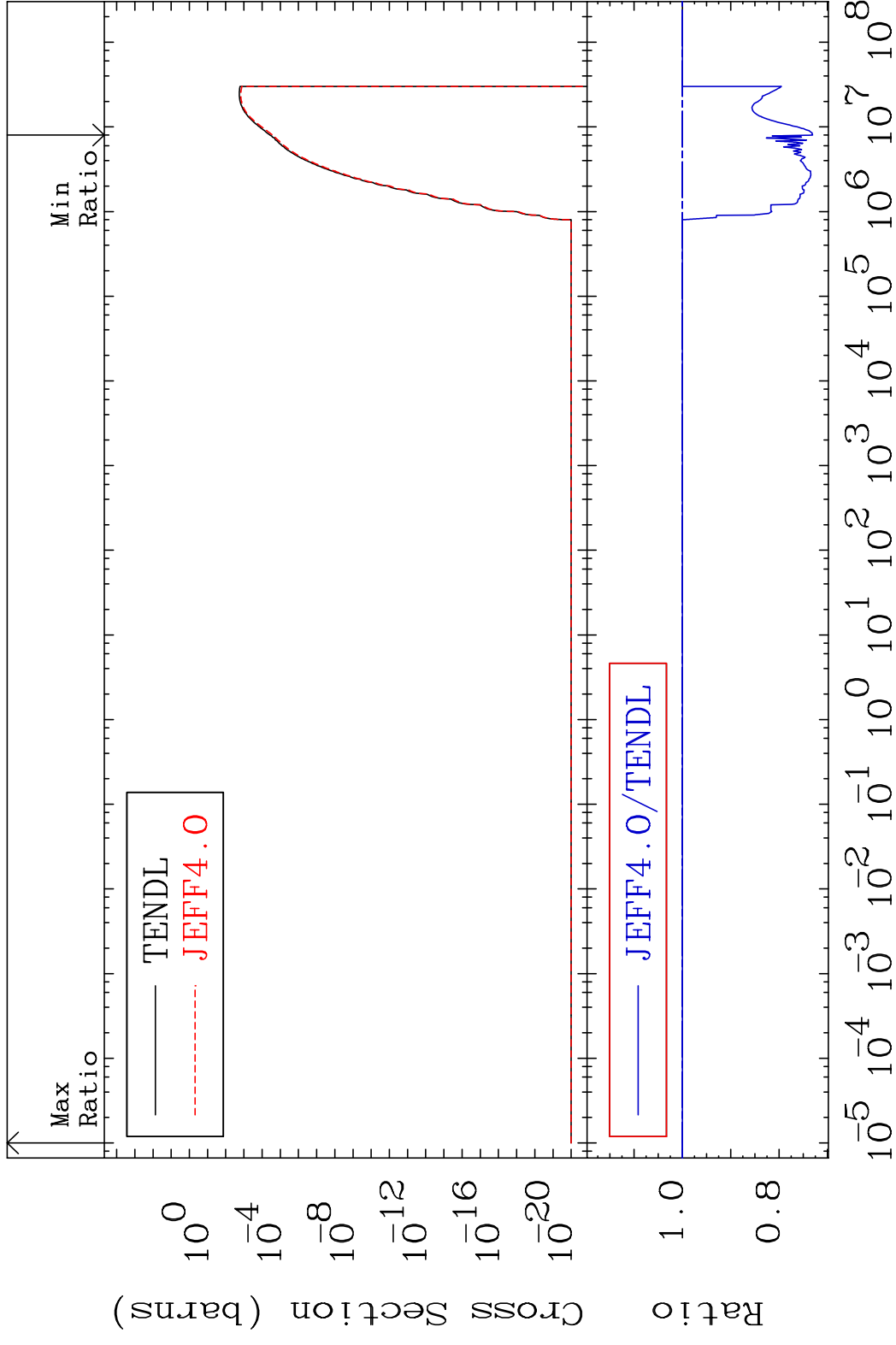
MAT 6619 (n,3n) p:65-Tb-151m3 66-Dy-154
 Radionuclide Production Cross Section 12.671 dno 0.000 %



MAT 6619 (n,p):65-Tb-154g 66-Dy-154
 Radionuclide Production Cross Section 20.54 %



MAT 6619 (n, p): 65-Tb-154m1 66-Dy-154
 Radionuclide Production Cross Section 0.000 %



MAT 6619 (n,p) α :63-Eu-150g 66-Dy-154
 Radionuclide Production Cross Section 16.02 %

