

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

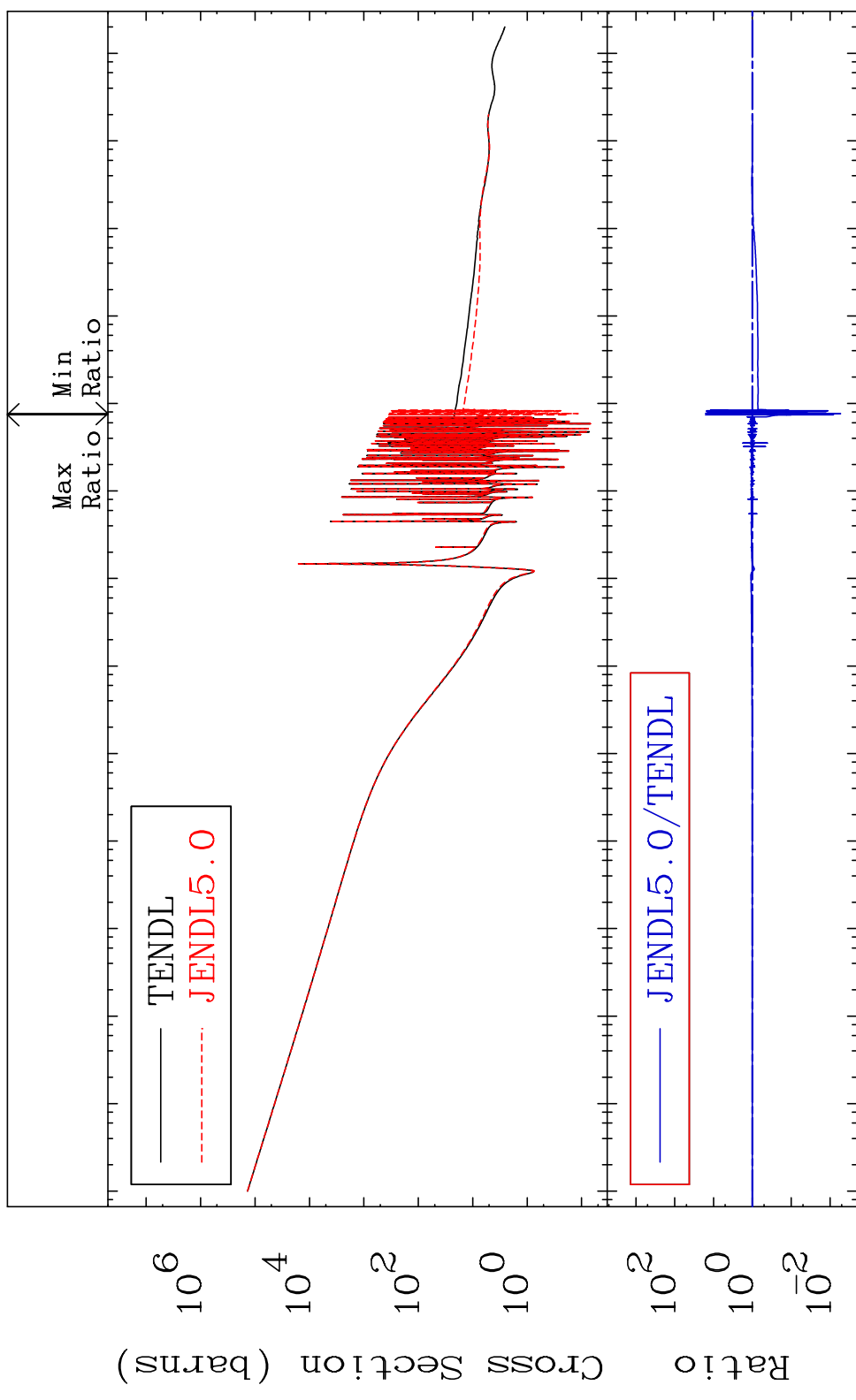
MAT 6649

Total

66-Dy-164

Cross Section

-99.46 To 1487. %



1

Incident Energy (eV)

66-Dy-164

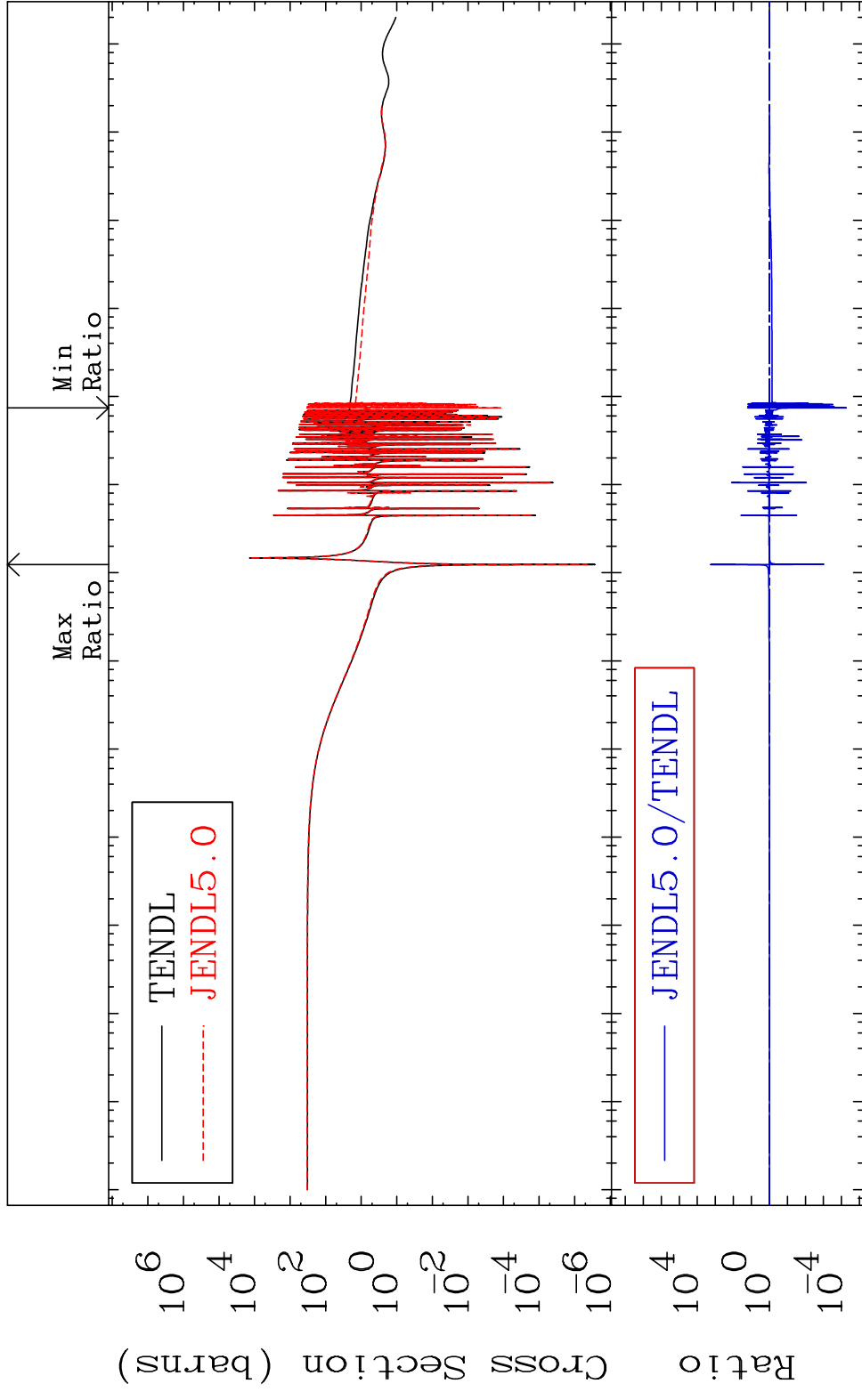
MAT 6649

Elastic

66-Dy-164

Cross Section

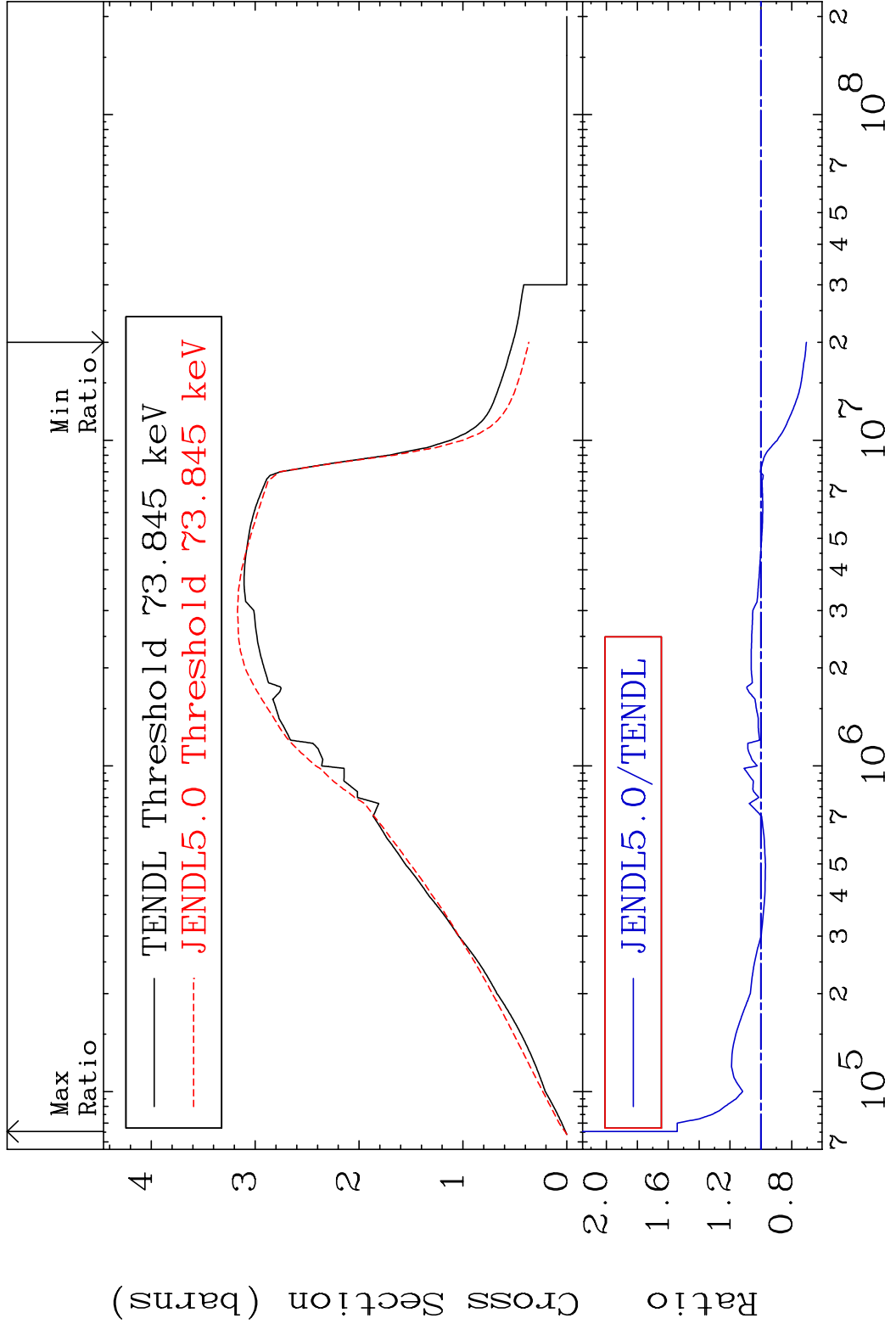
-99.99 To 9999. %



Cross Section (barns)
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Ratio
 10^4
 10^0
 10^{-4}

Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 6649 Inelastic 66-Dy-164
 Cross Section -29.49 To 54.16 %



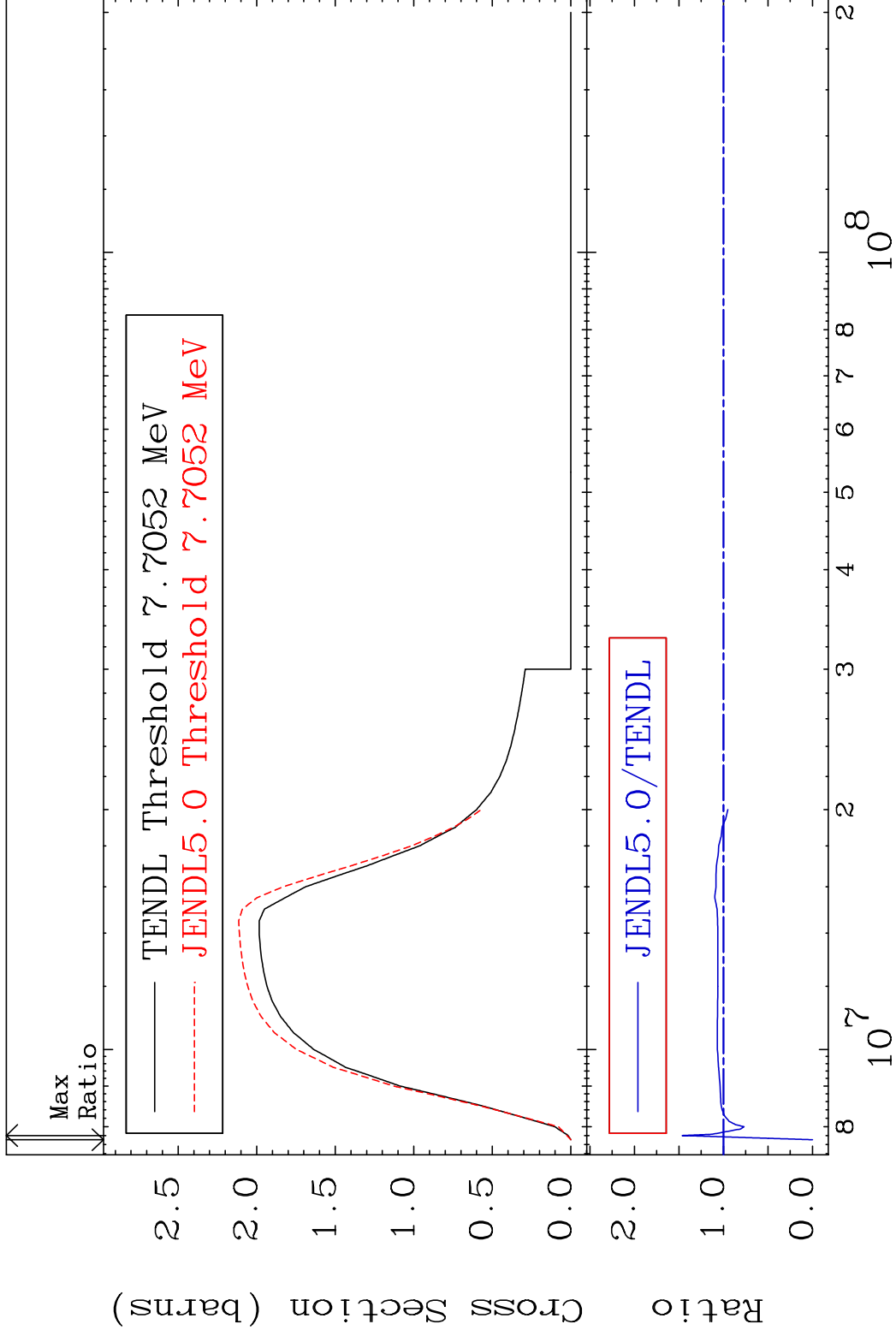
3 66-Dy-164

MAT 6649

(n,2n)

66-Dy-164

Cross Section -100.0 To 46.38 %



4

Incident Energy (eV)

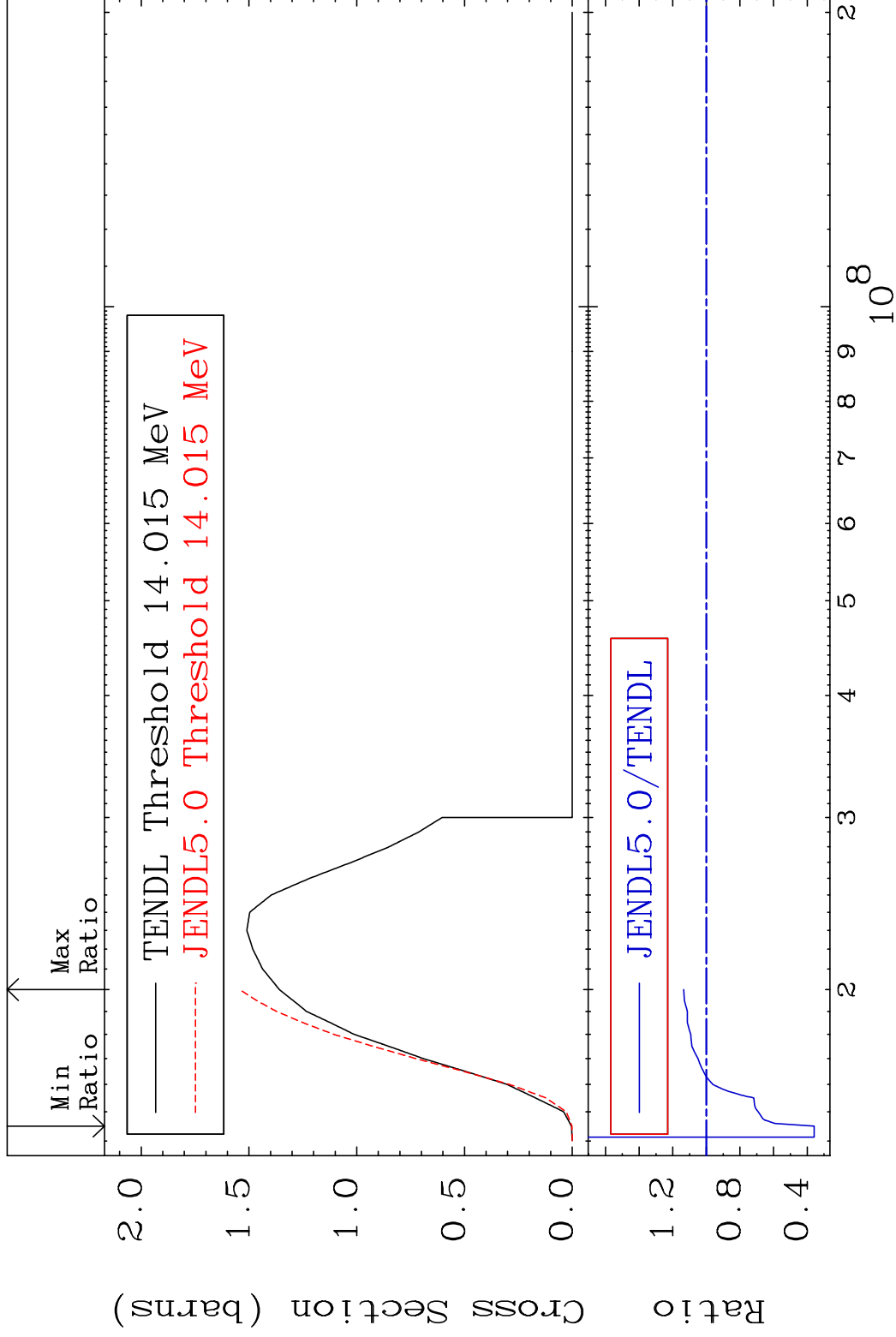
66-Dy-164

MAT 6649

(n,3n)

66-Dy-164

Cross Section -64.10 To 13.52 %

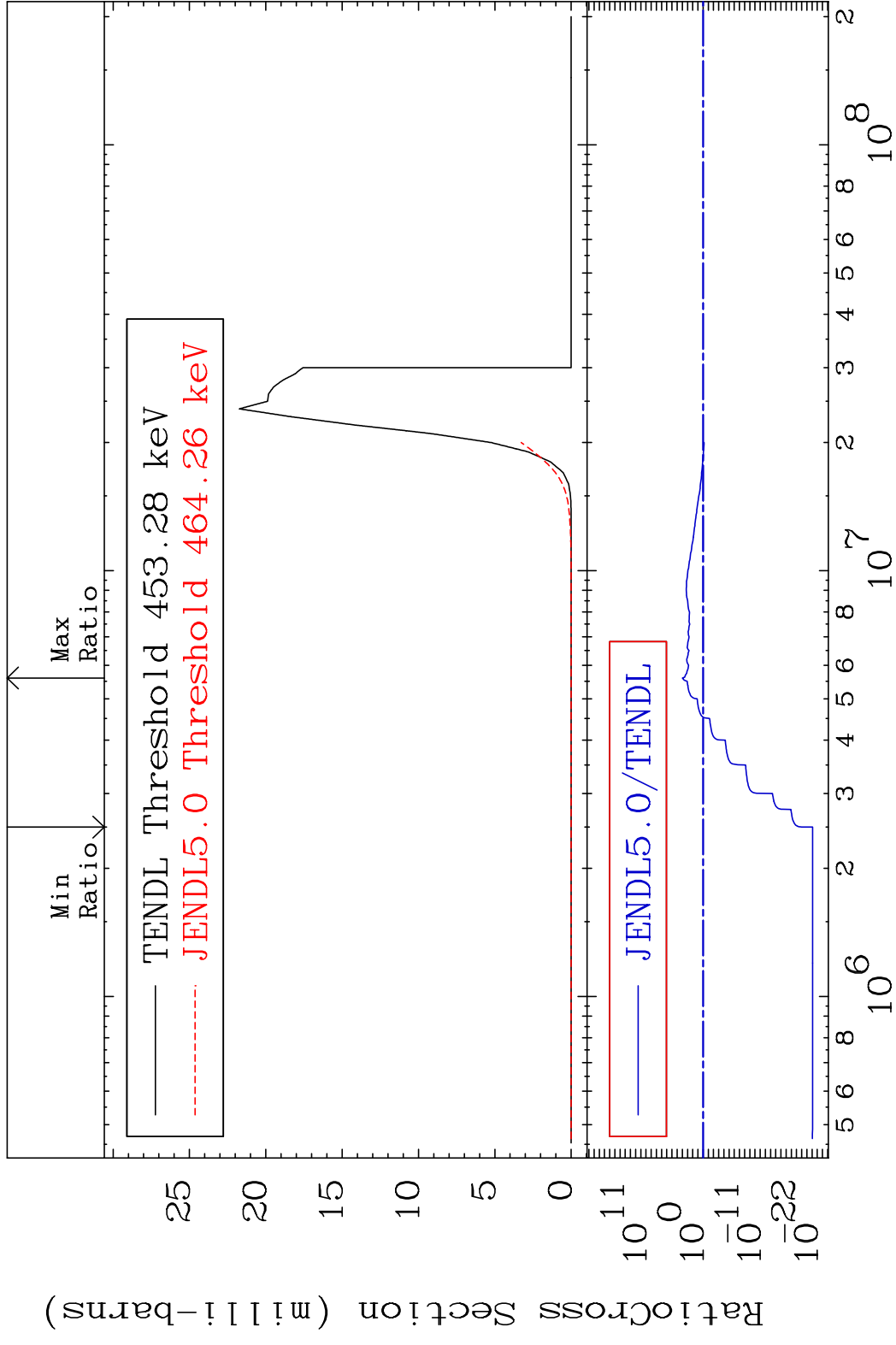


5

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, n') α 66-Dy-164
 Cross Section -100.0 To 9999. %

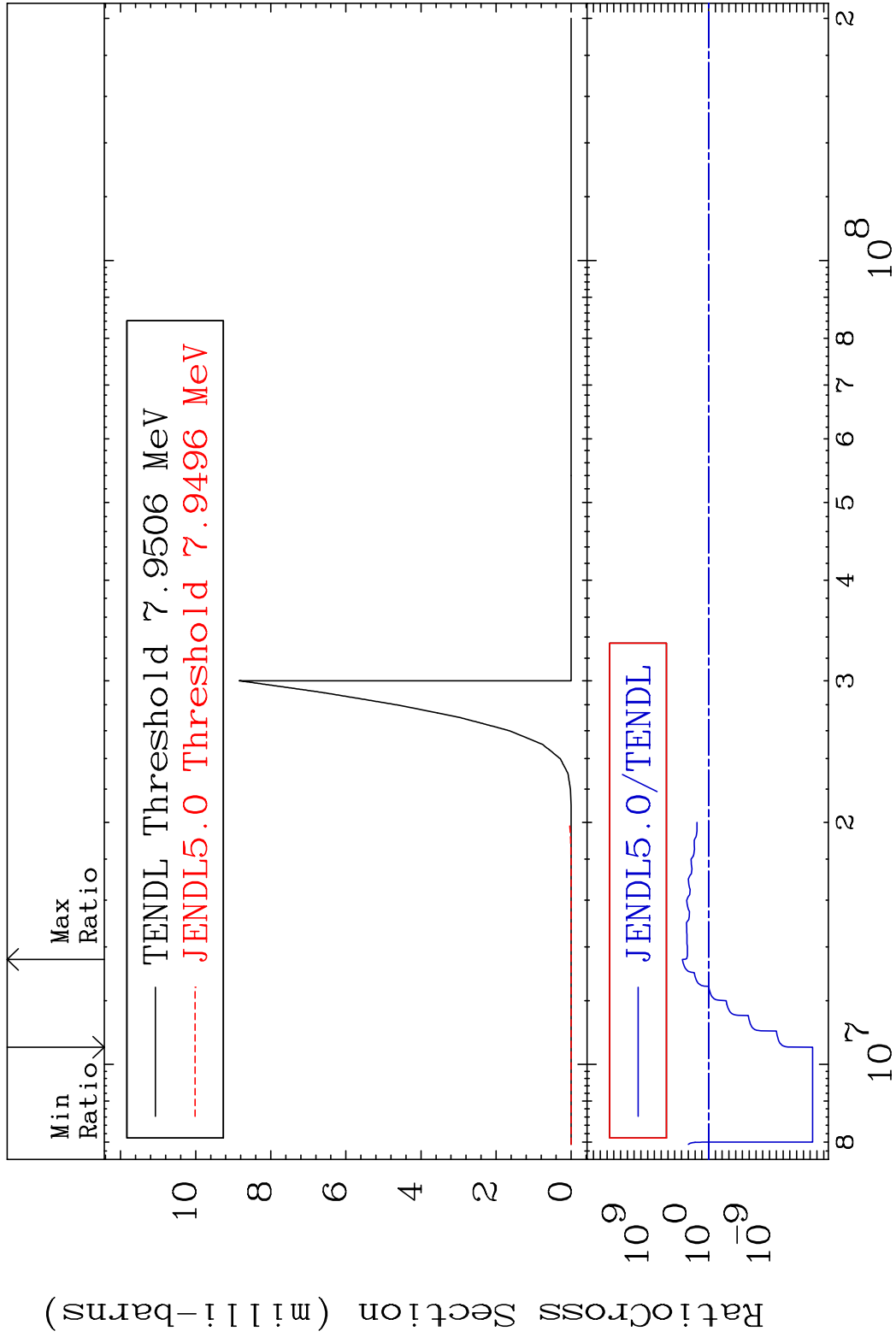


MAT 6649

(n,2n) α

66-Dy-164

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

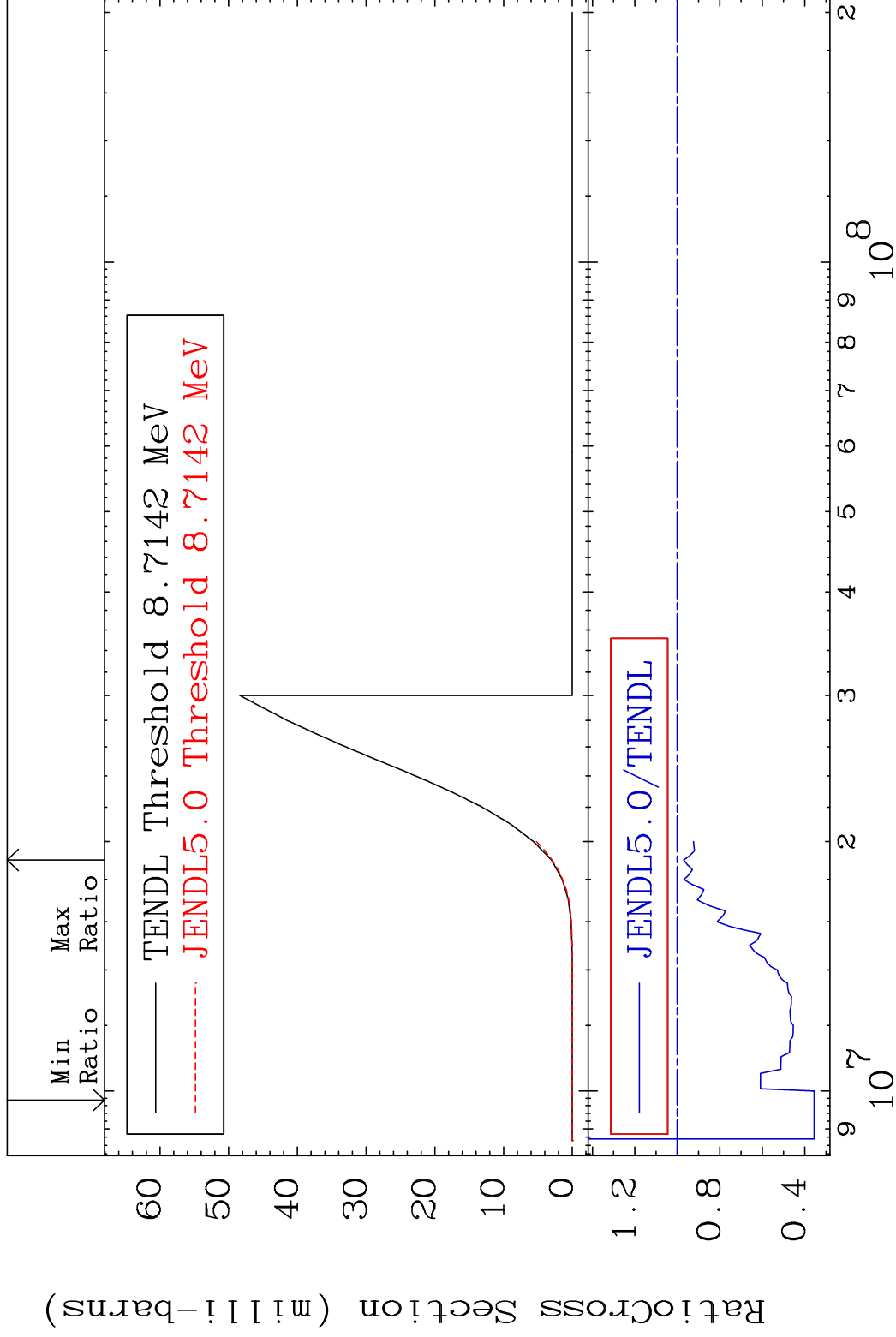
66-Dy-164

MAT 6649

(n, n') p

66-Dy-164

Cross Section -64.42 To -2.976%



8

Incident Energy (eV)

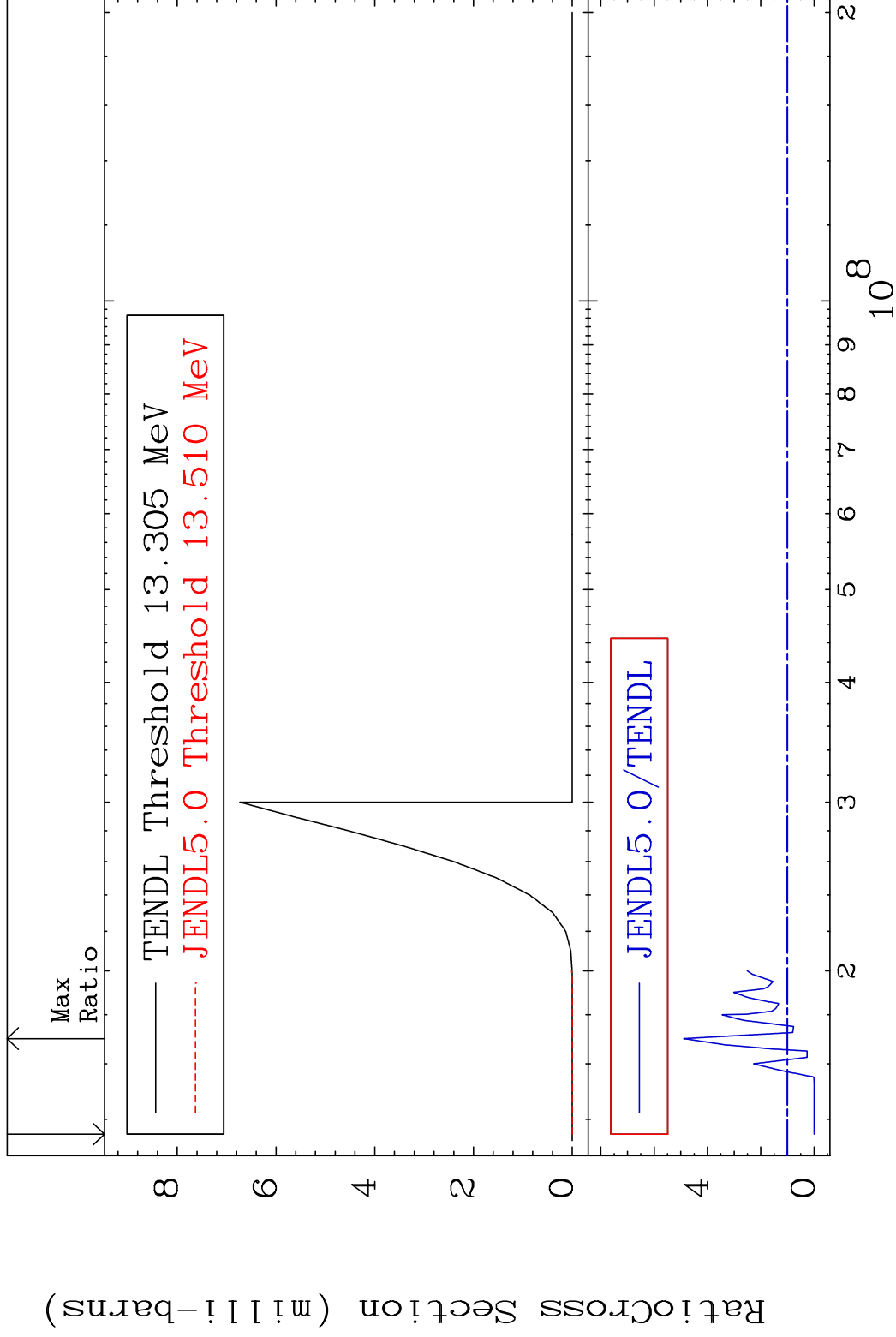
66-Dy-164

MAT 6649

(n, n') d

66-Dy-164

Cross Section -100.0 To 389.4 %



9

Incident Energy (eV)

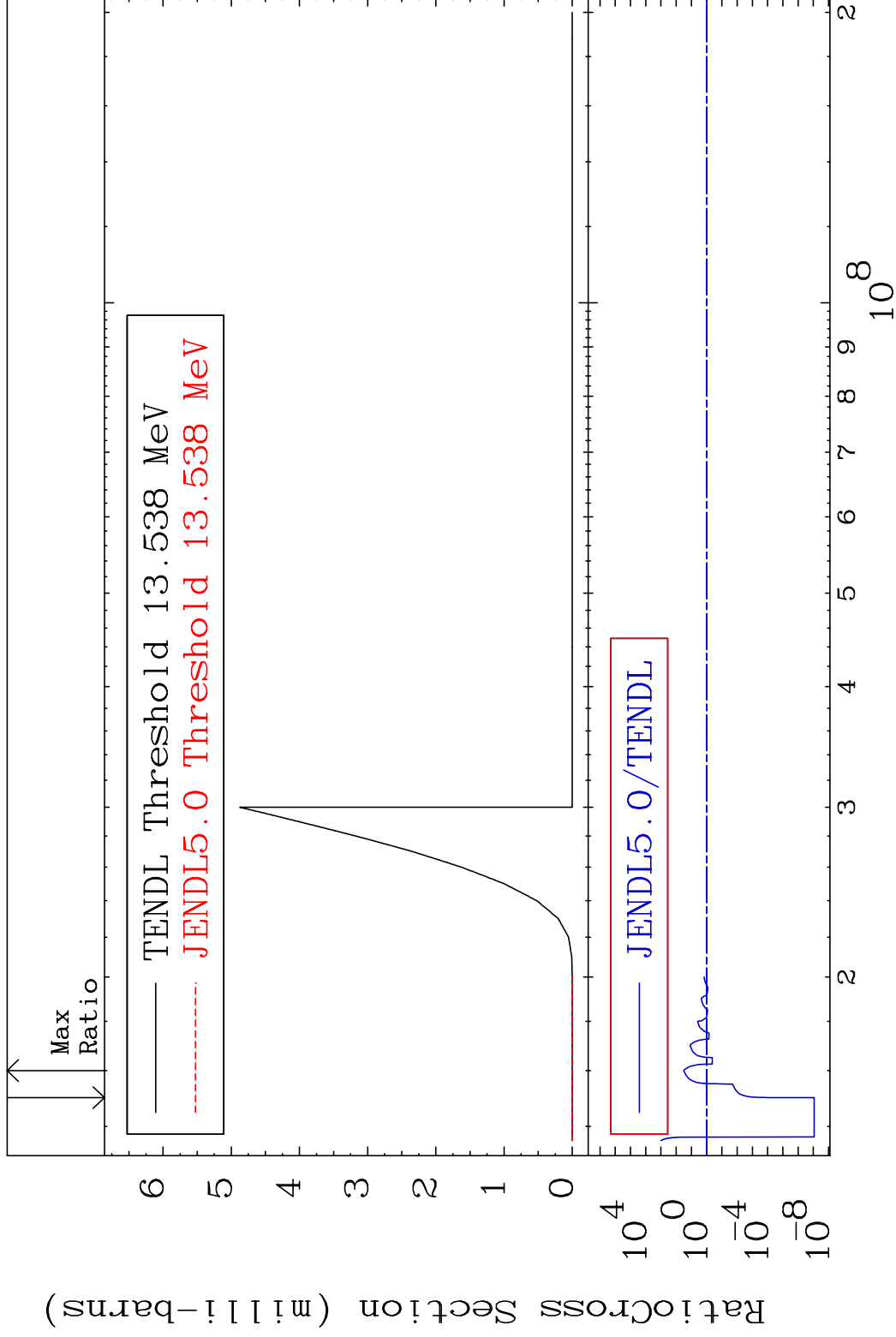
66-Dy-164

MAT 6649

(n, n') t

66-Dy-164

Cross Section -100.0 To 3133. %

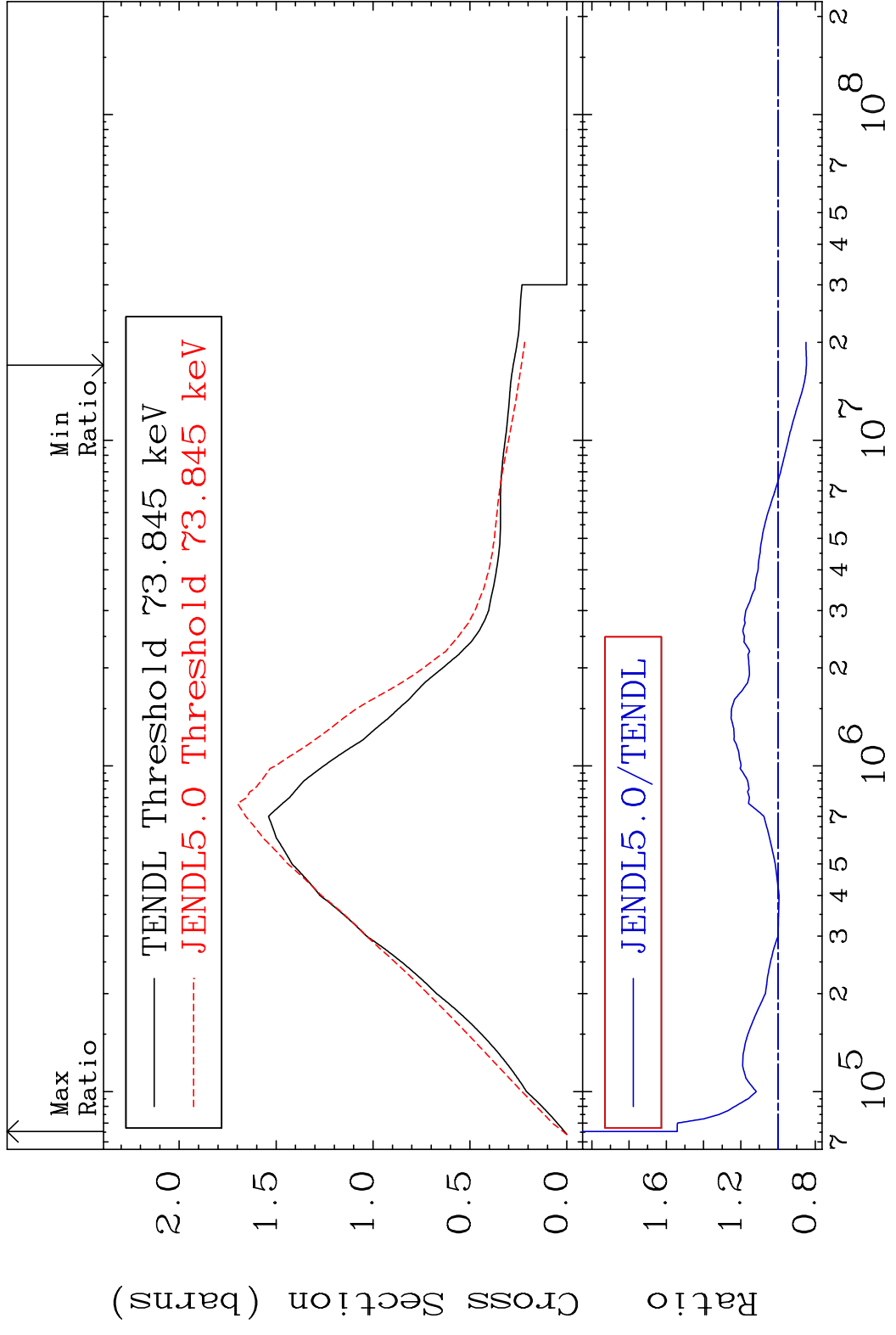


10

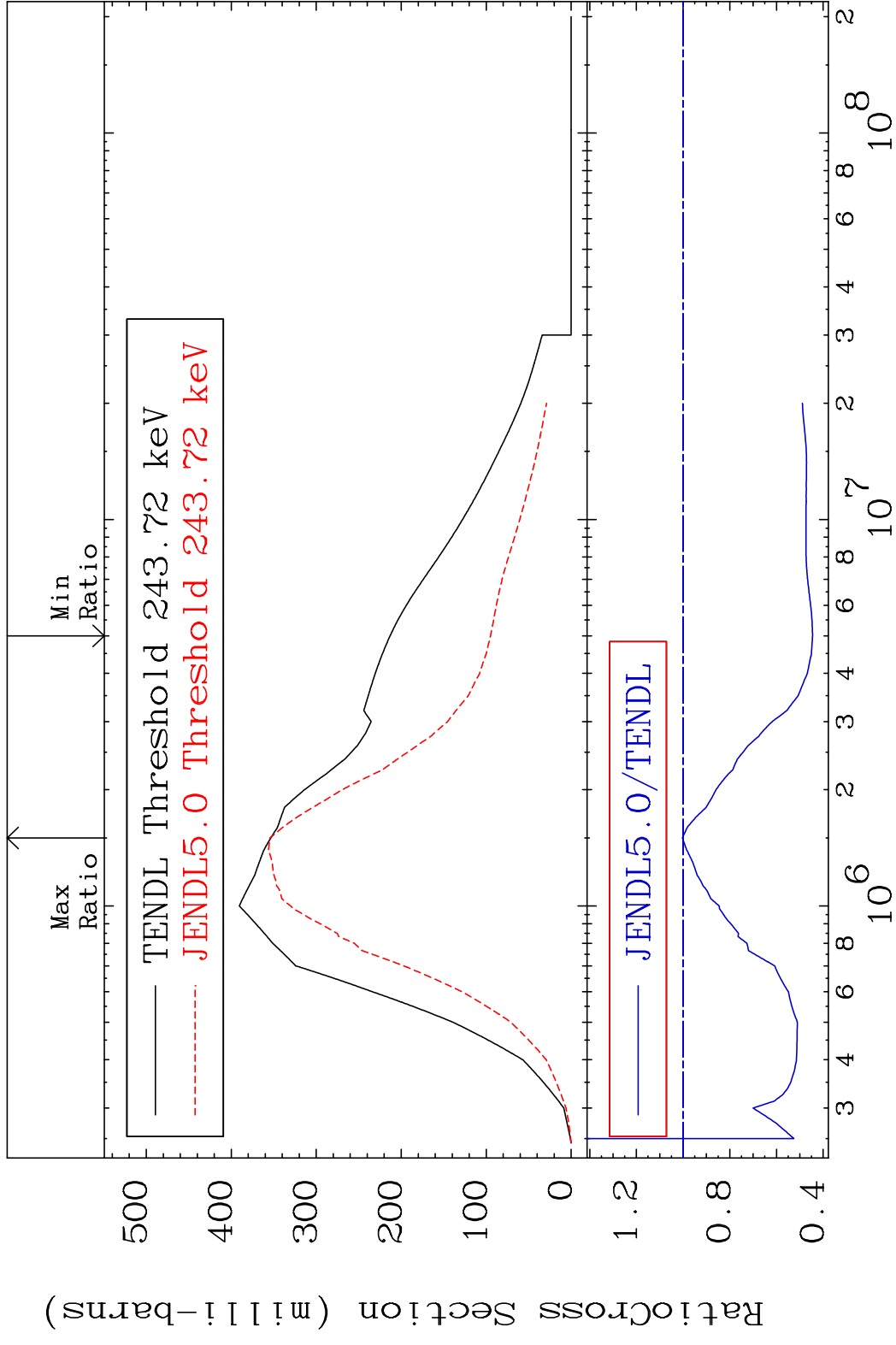
Incident Energy (eV)

66-Dy-164

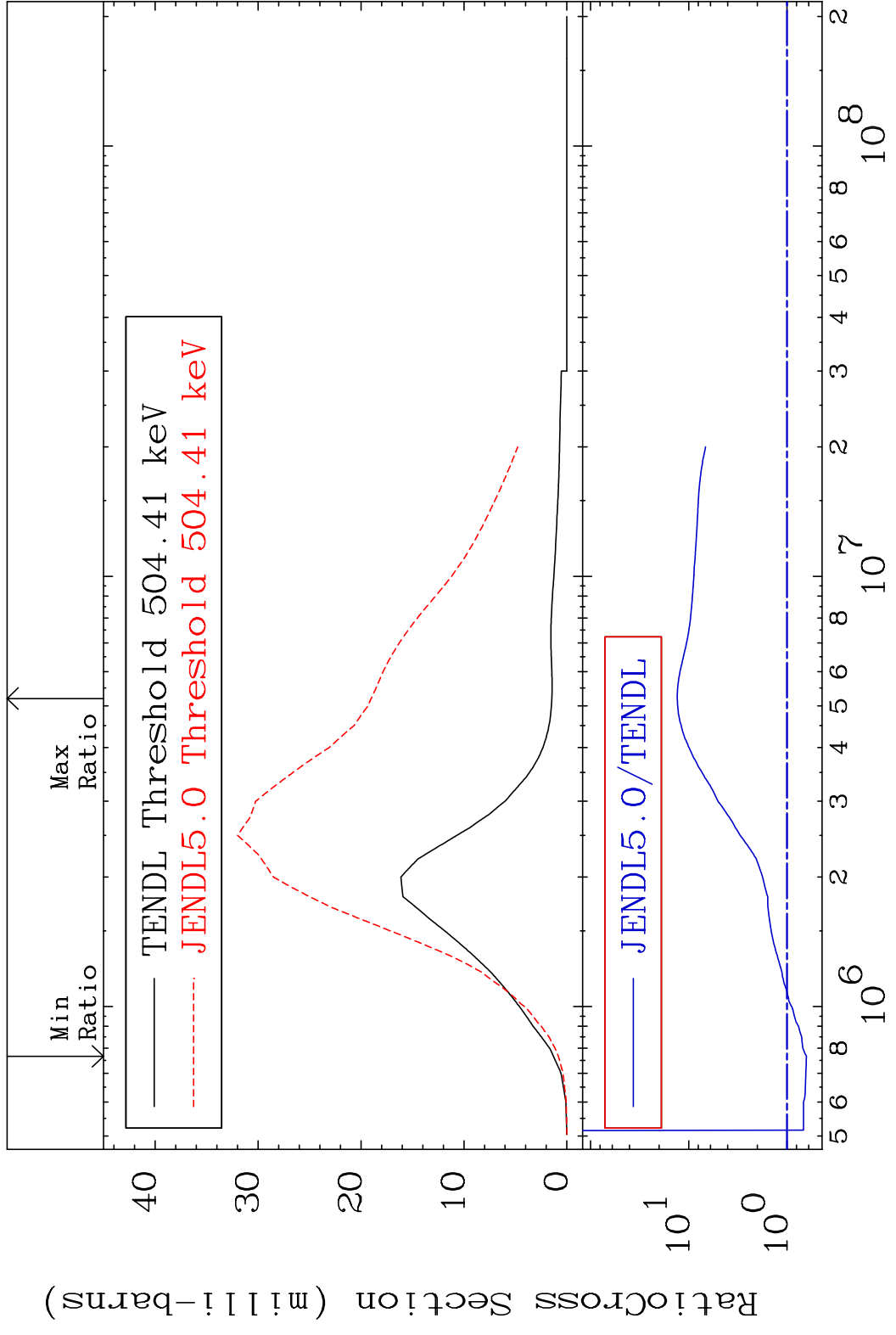
MAT 6649 MT= 51 (n, n') Level 66-Dy-164
 Cross Section -15.20 To 54.16 %



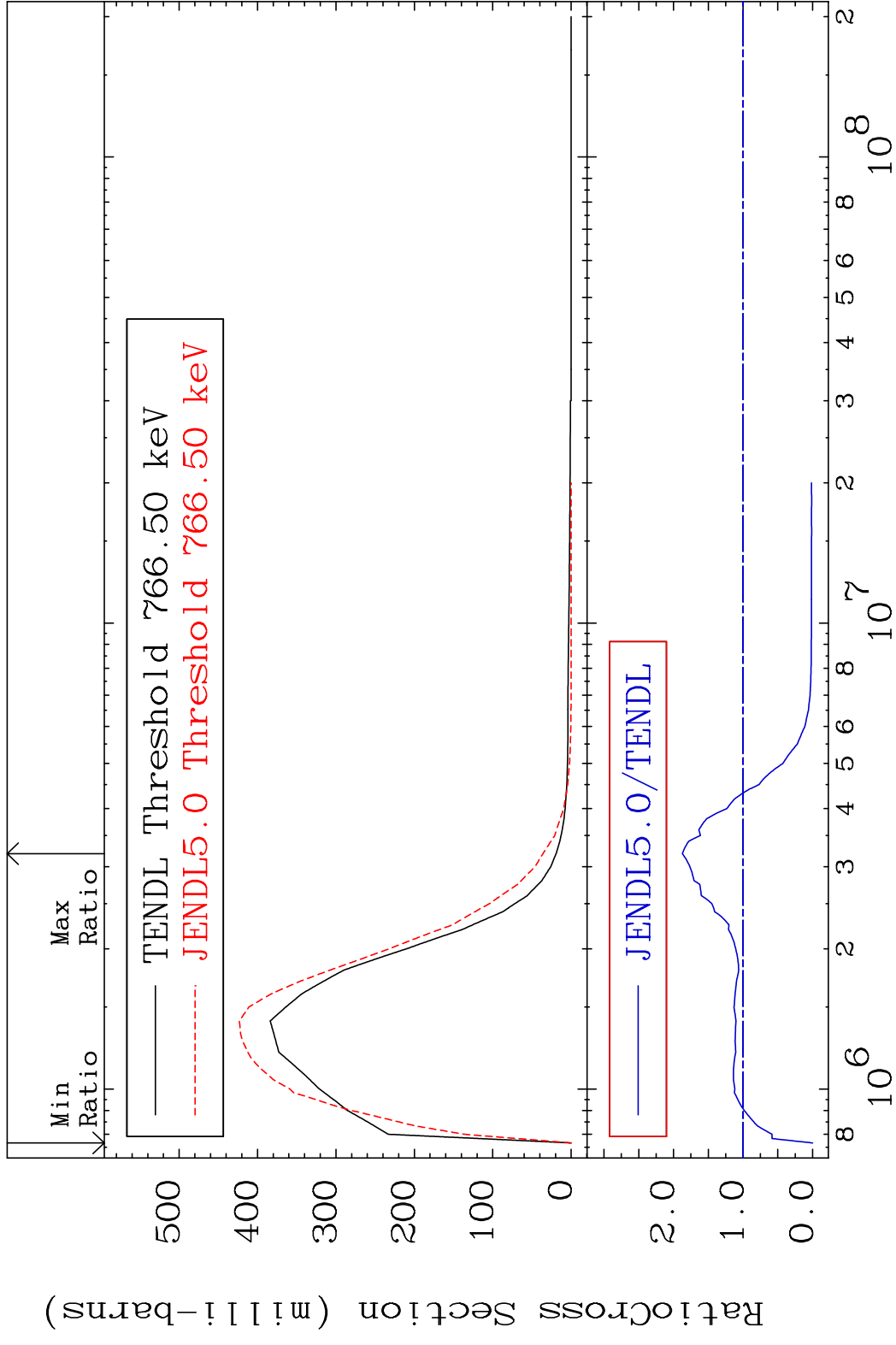
MAT 6649 MT= 52 (n, n') Level 66-Dy-164
 Cross Section -55.46 To 0.312 %



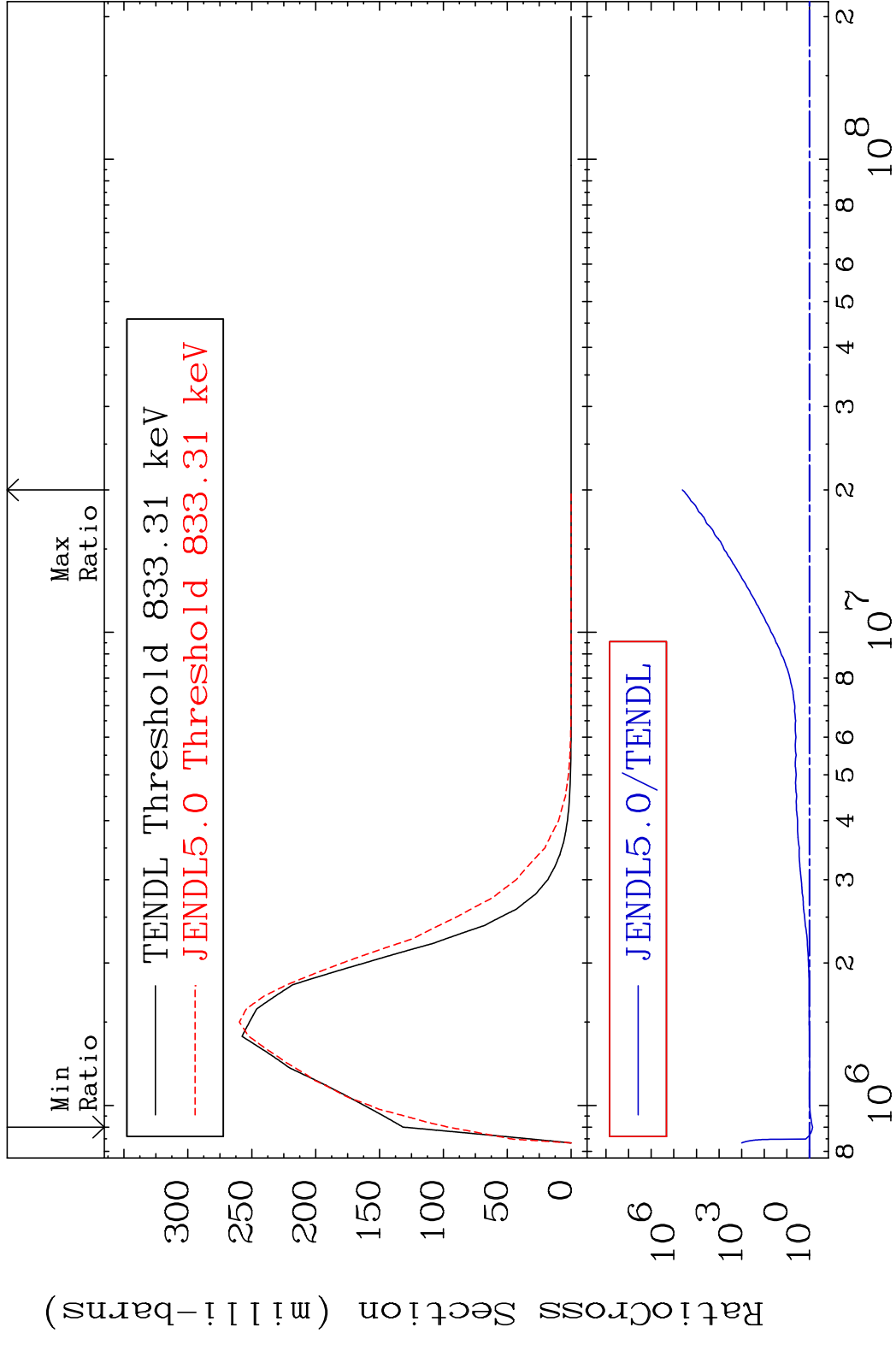
MAT 6649 MT= 53 (n, n') Level 66-Dy-164
 Cross Section -36.70 To 1209. %



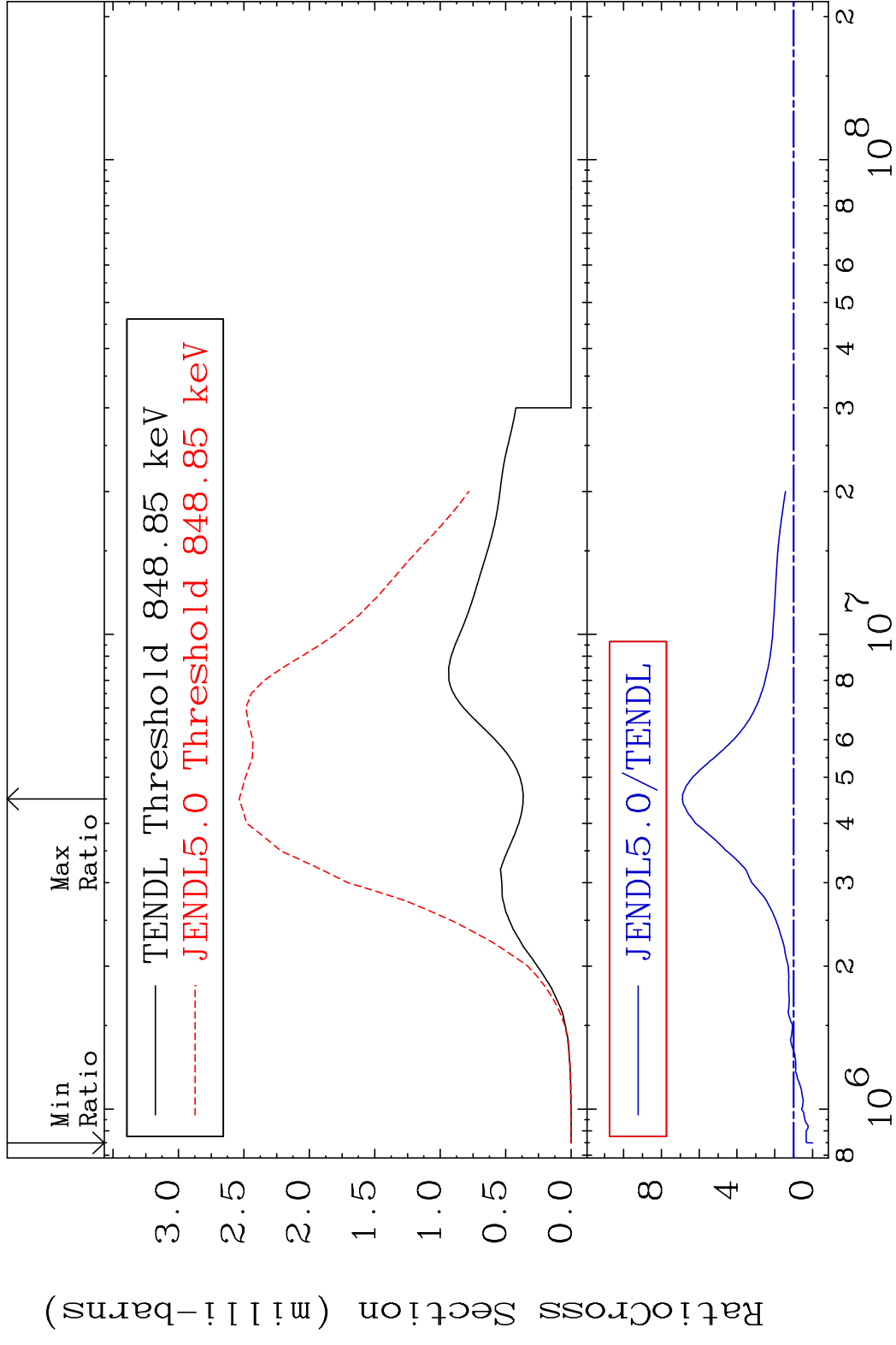
MAT 6649 MT= 54 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 87.29 %



MAT 6649 MT= 55 (n, n') Level 66-Dy-164
 Cross Section -26.82 To 9999. %

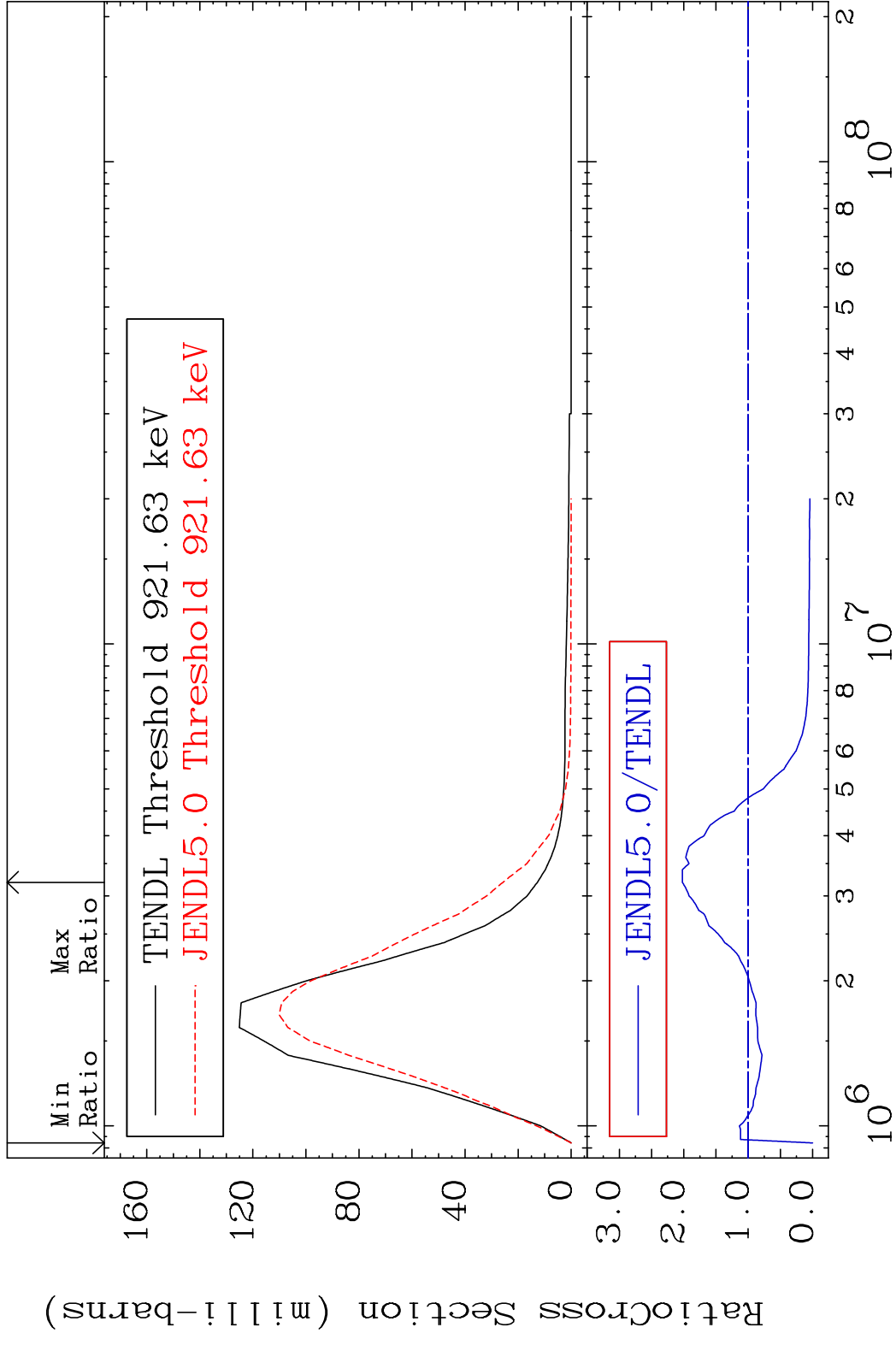


MAT 6649 MT= 56 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 589.1 %



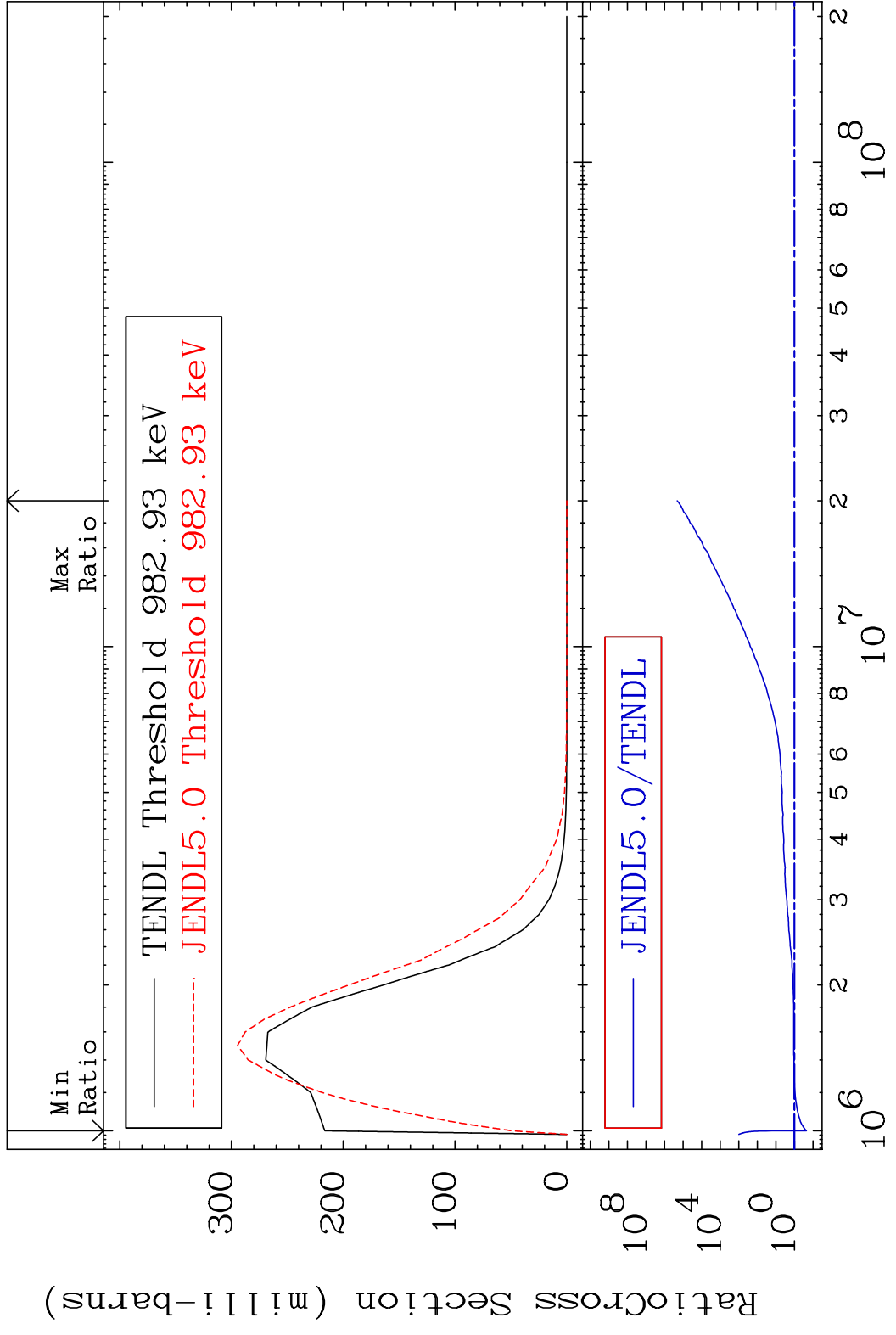
16 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 57 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 102.2 %



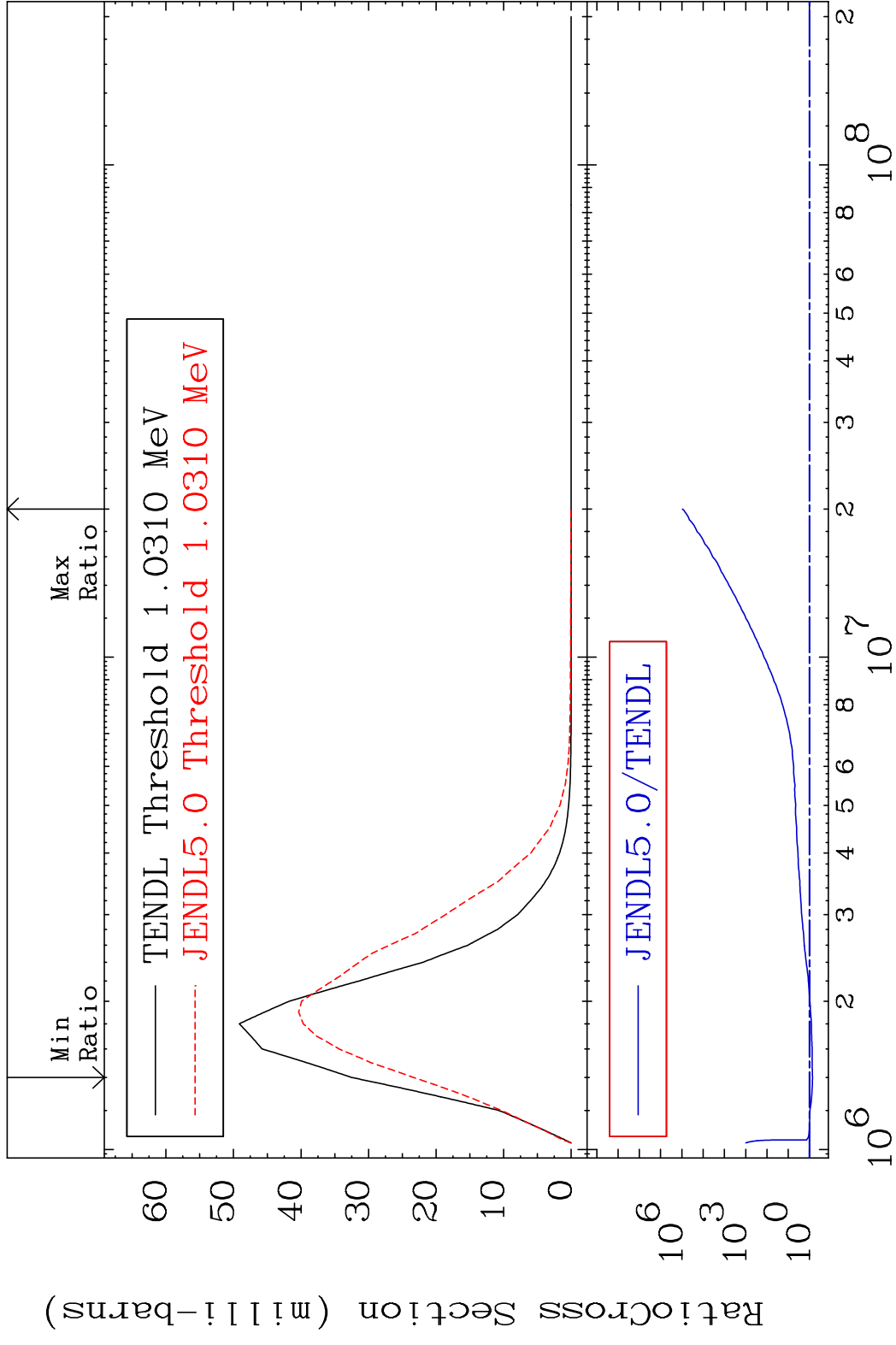
17 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 58 (n, n') Level 66-Dy-164
Cross Section -77.31 To 9999. %



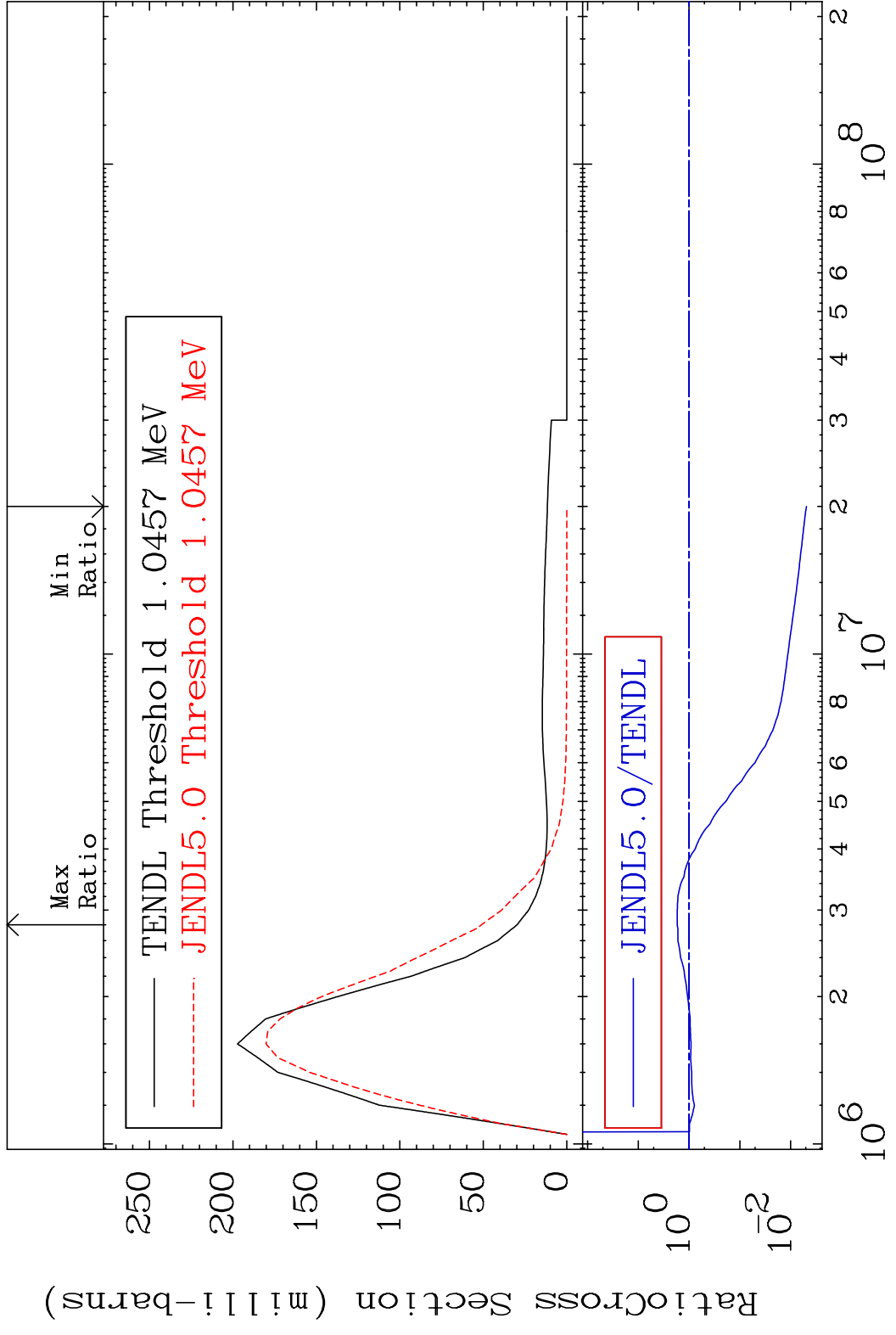
18 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 59 (n, n') Level 66-Dy-164
 Cross Section -28.26 To 9999. %



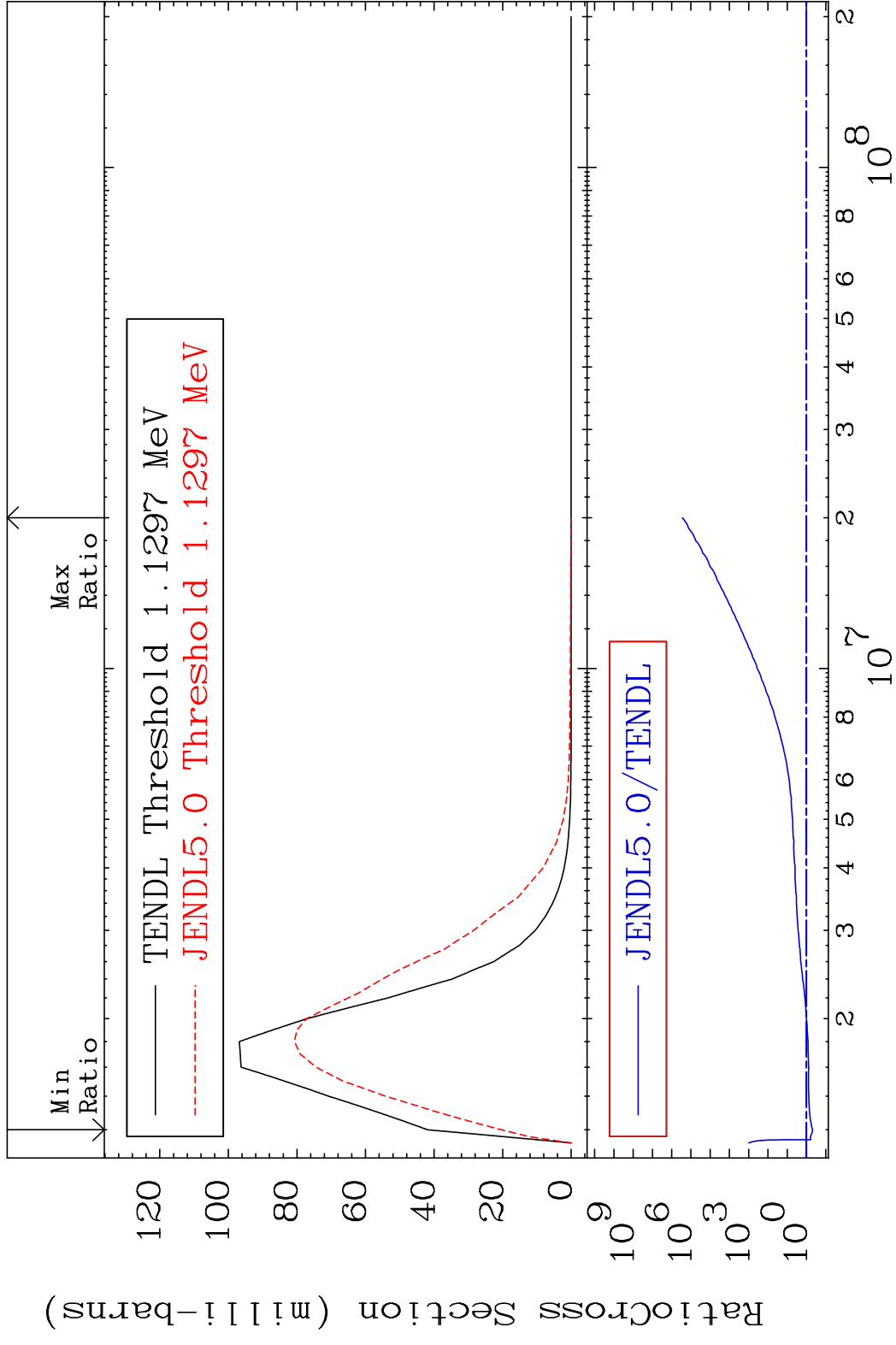
19 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 60 (n, n') Level 66-Dy-164
 Cross Section -99.51 To 71.65 %

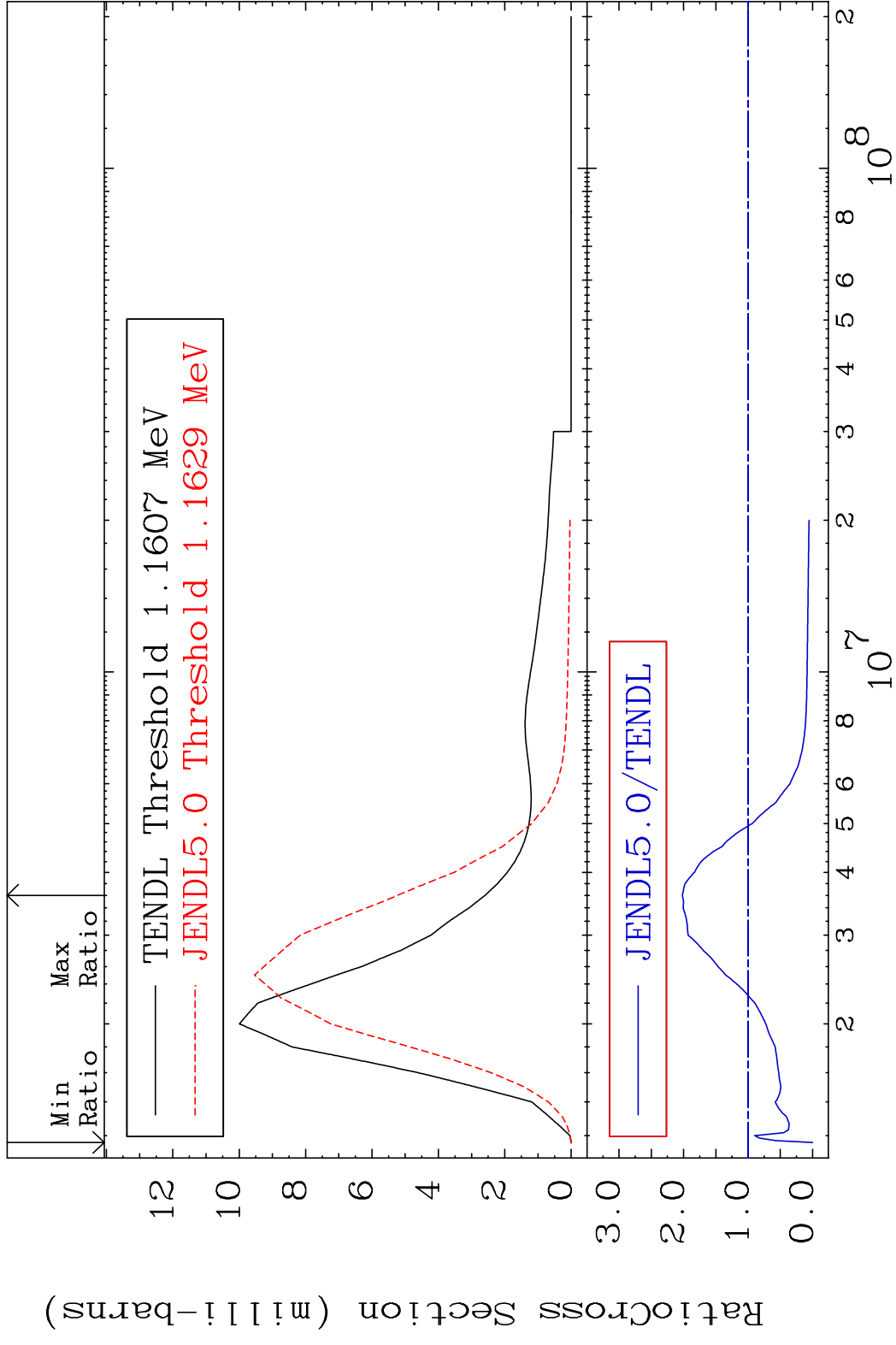


20 2 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 66-Dy-164

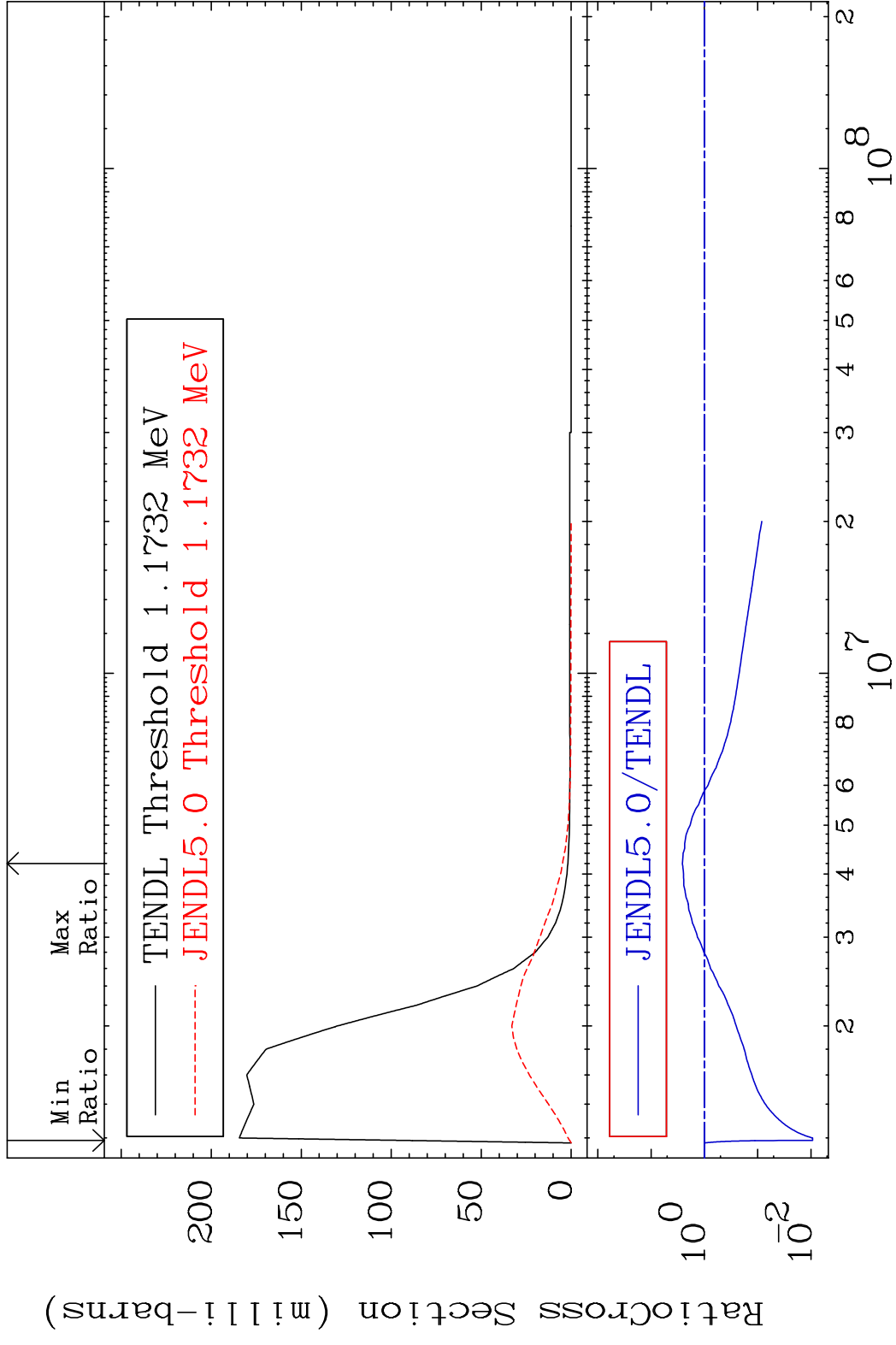
MAT 6649 MT= 61 (n, n') Level 66-Dy-164
 Cross Section -51.52 To 9999. %



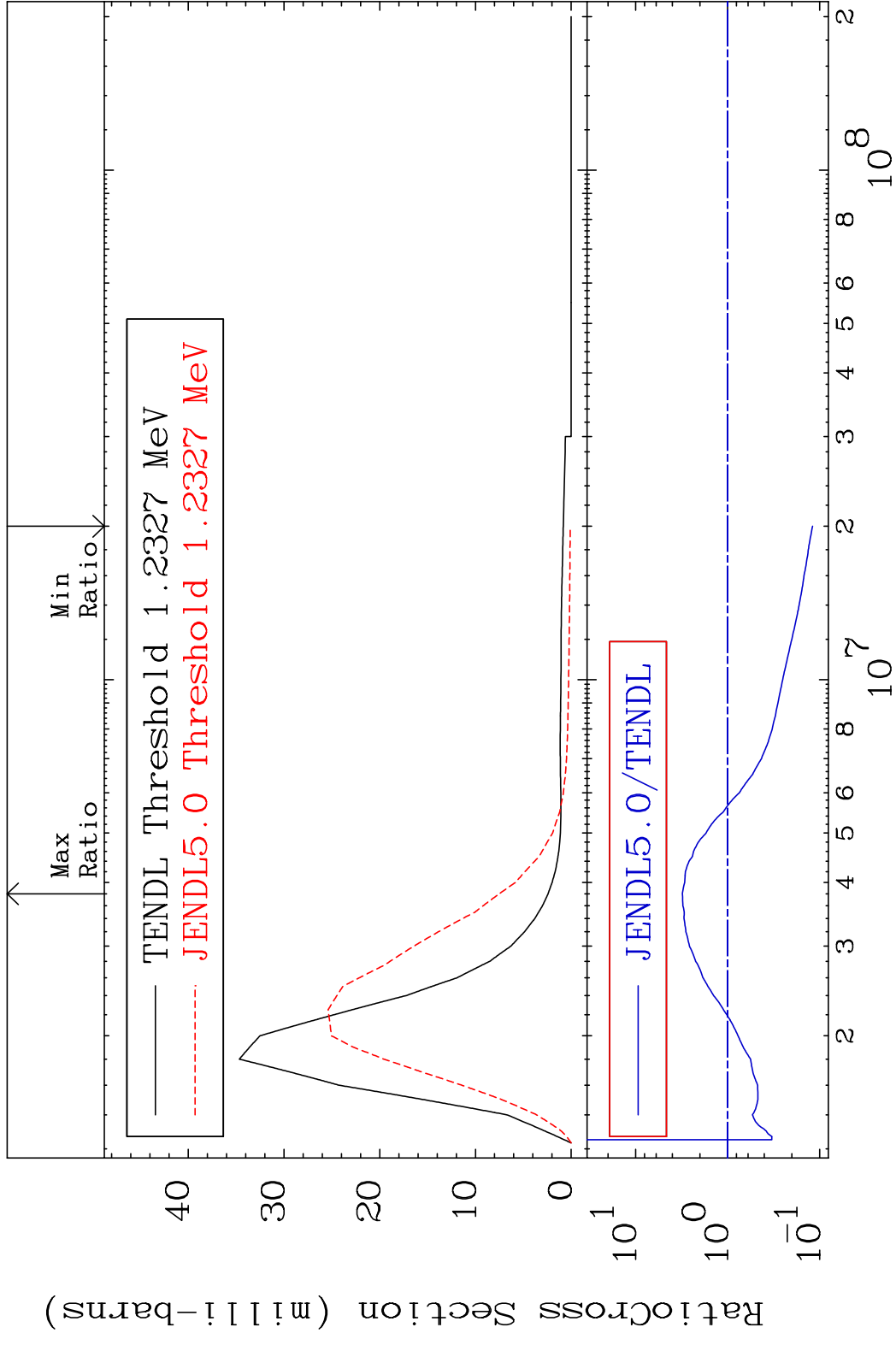
MAT 6649 MT= 62 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 101.9 %



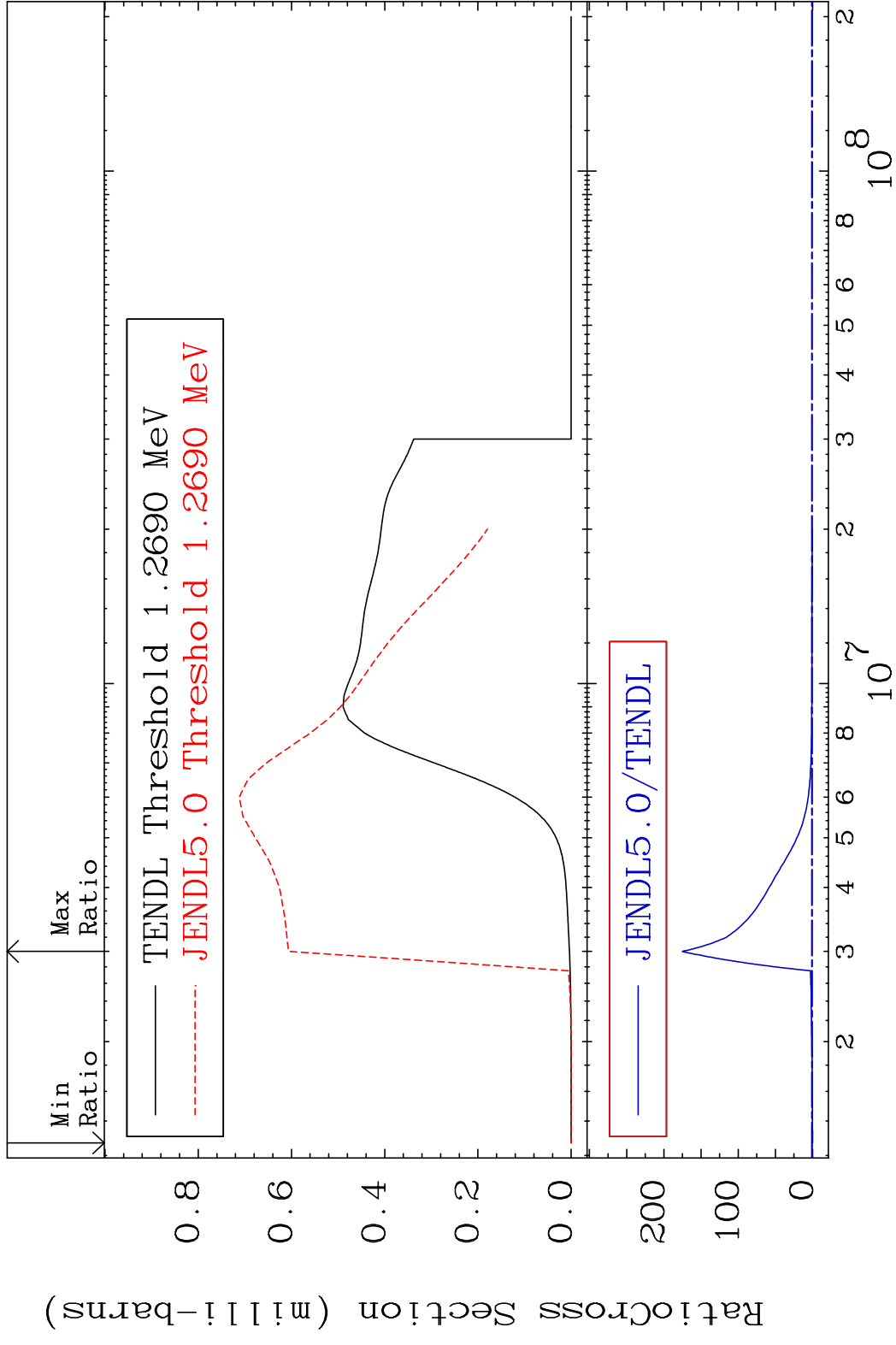
MAT 6649 MT= 63 (n, n') Level 66-Dy-164
 Cross Section -99.07 To 159.3 %



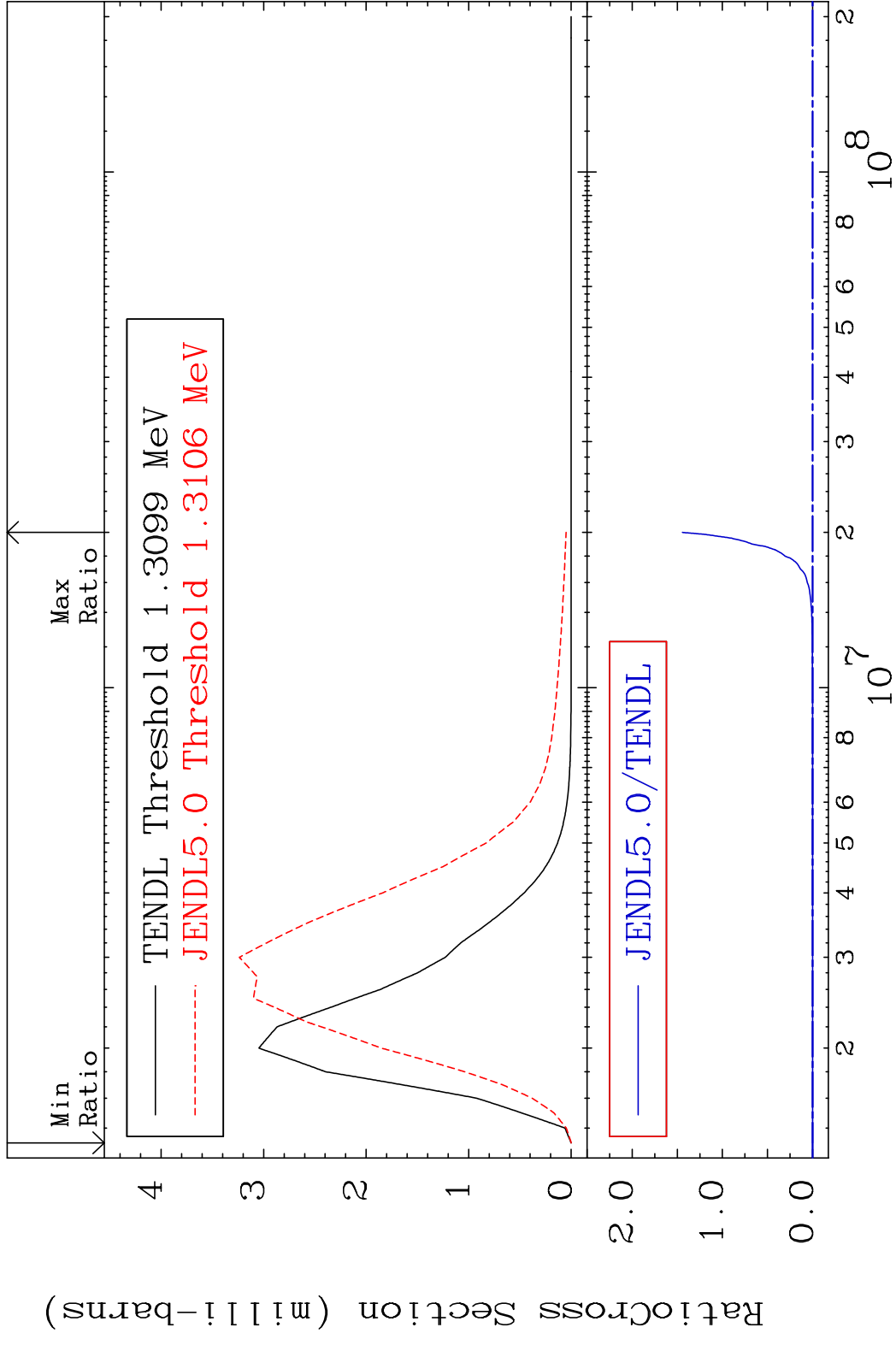
MAT 6649 MT= 64 (n, n') Level 66-Dy-164
 Cross Section -88.07 To 210.7 %



MAT 6649 MT= 65 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 9999. %



MAT 6649 MT= 66 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 9999. %

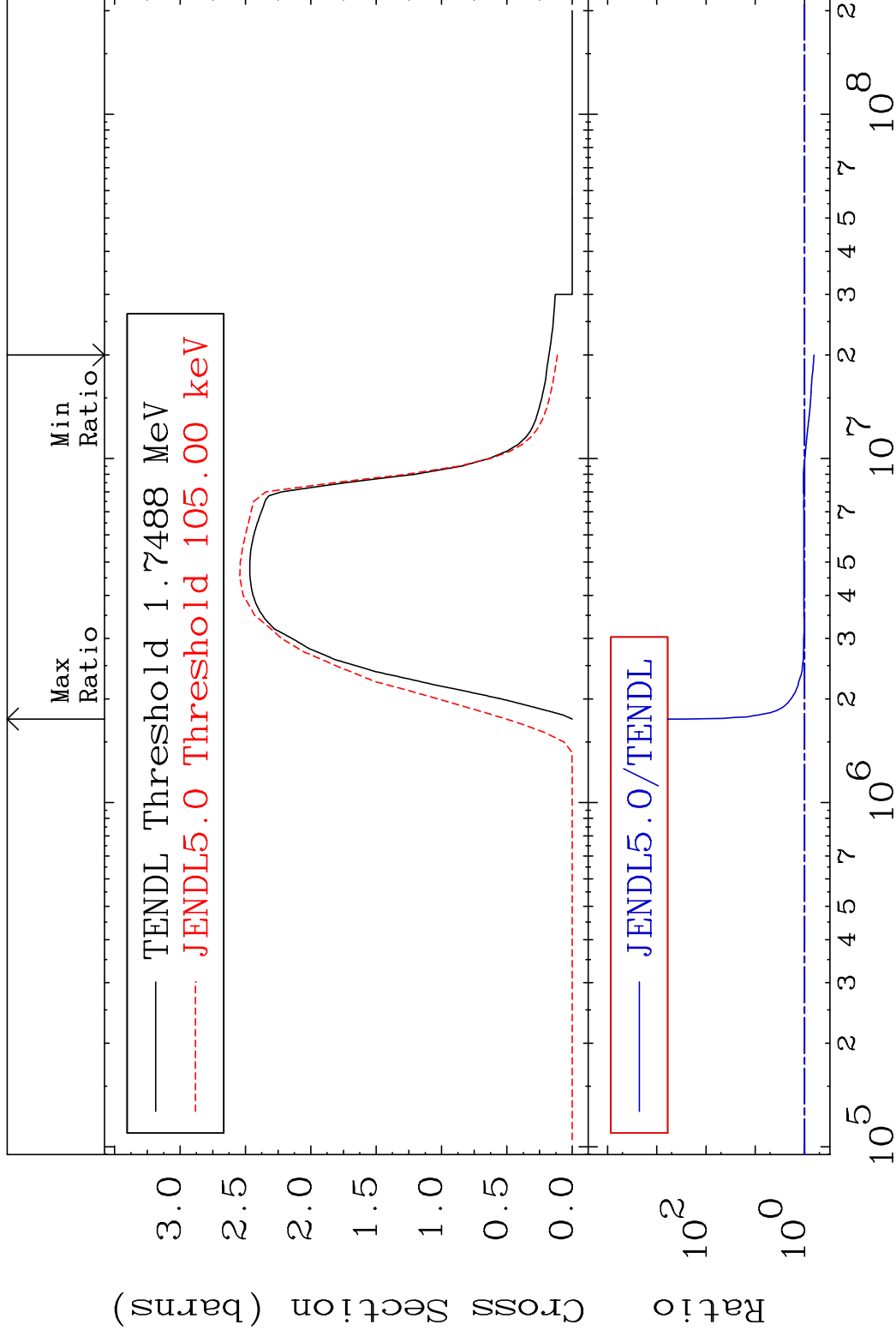


MAT 6649

(n, n') Continuum

66-Dy-164

Cross Section -36.25 To 9999. %



27

Incident Energy (eV)

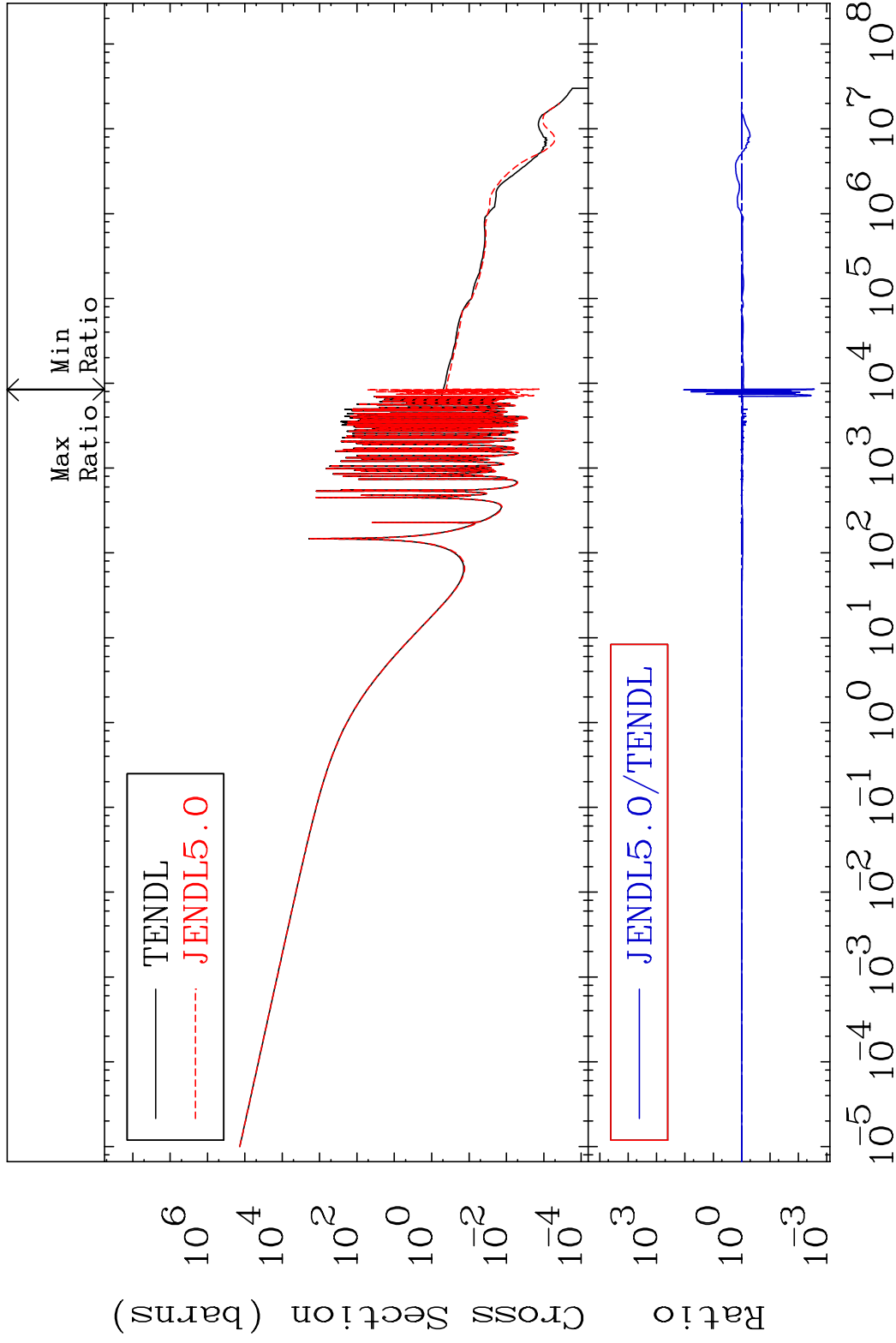
66-Dy-164

MAT 6649

(n, γ)

66-Dy-164

Cross Section -99.72 To 9999. %



28

Incident Energy (eV)

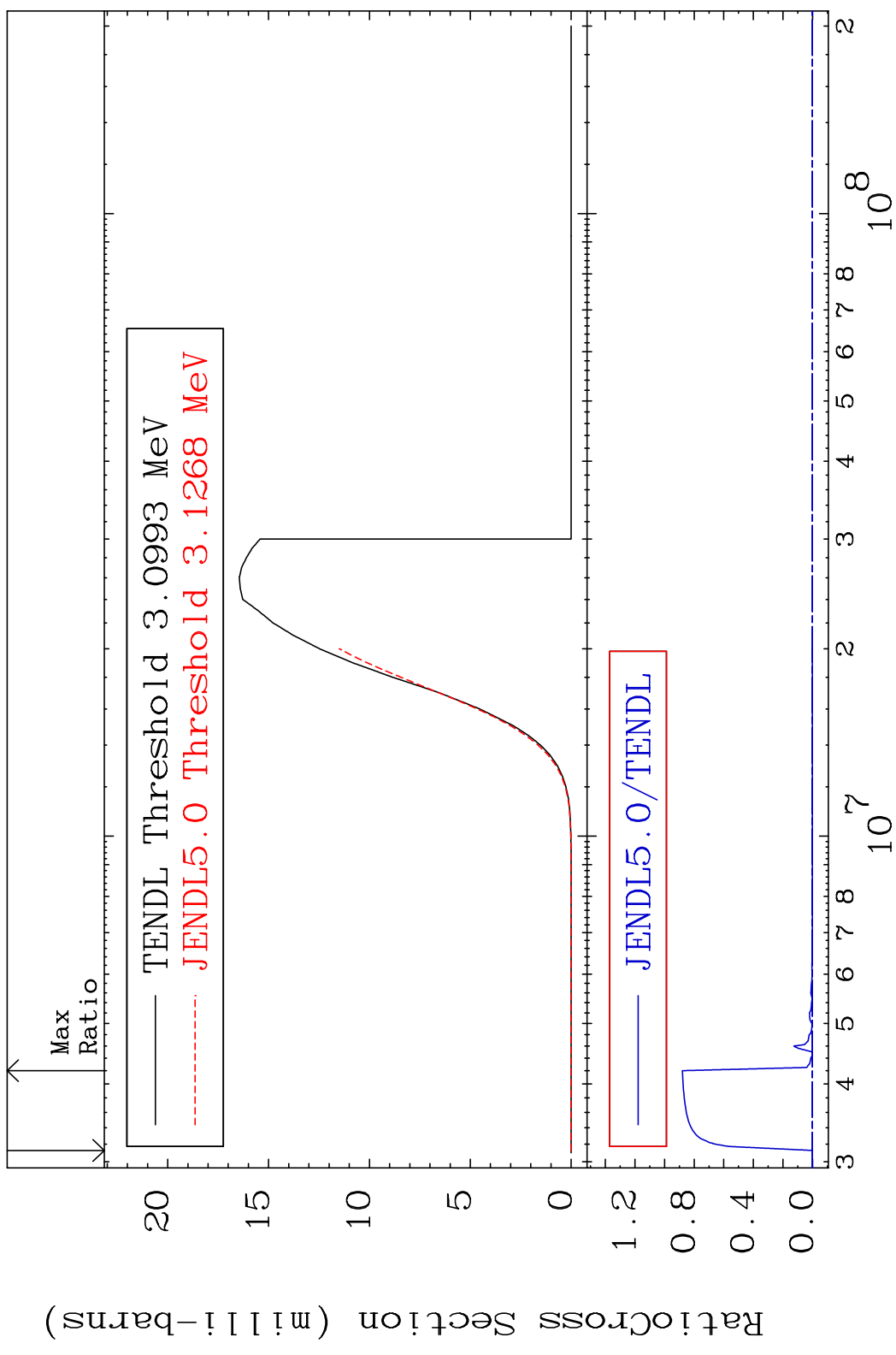
66-Dy-164

MAT 6649

(n,p)

66-Dy-164

Cross Section -100.0 To 9999. %

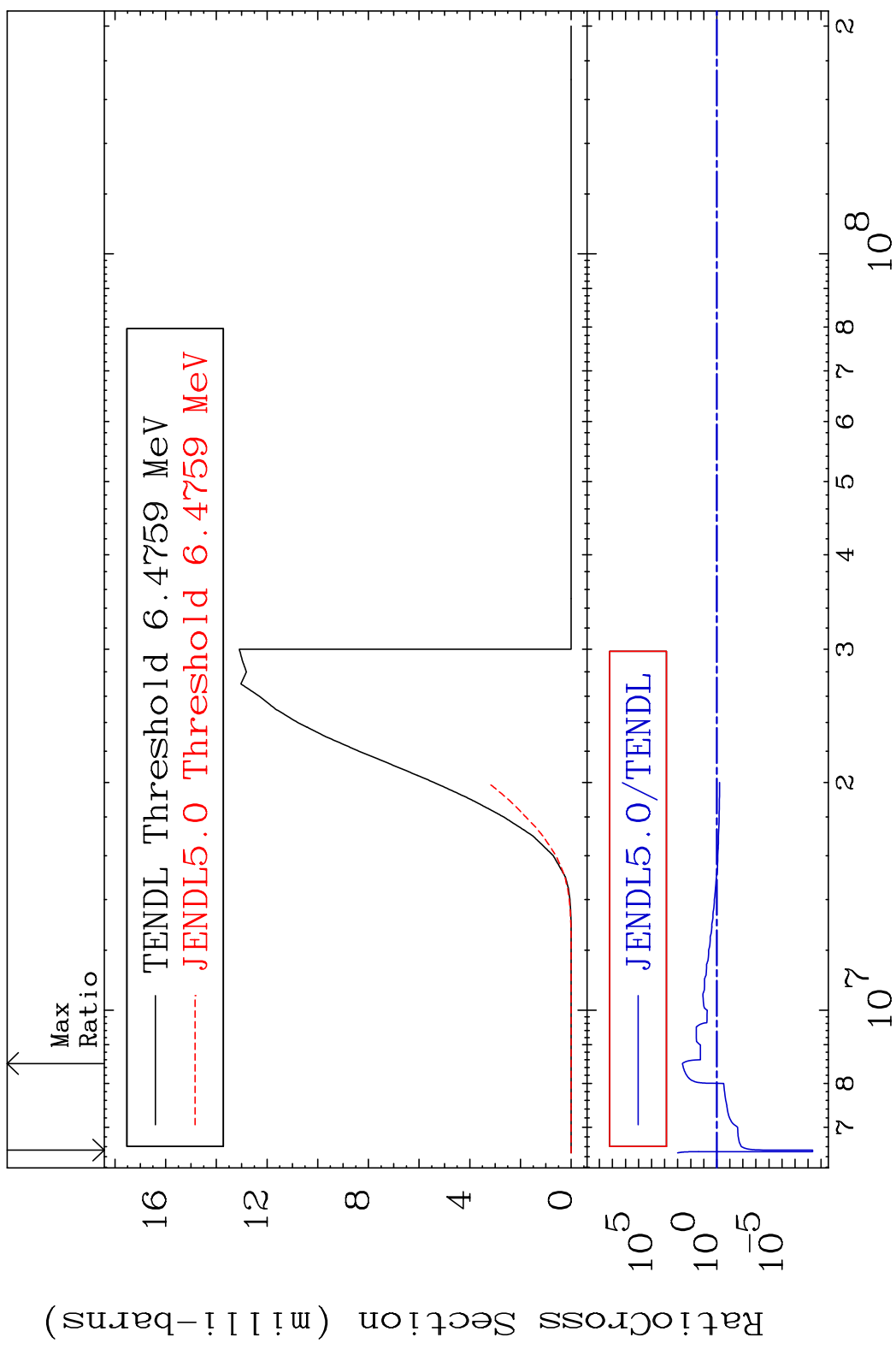


MAT 6649

(n,d)

66-Dy-164

Cross Section -100.0 To 9999. %

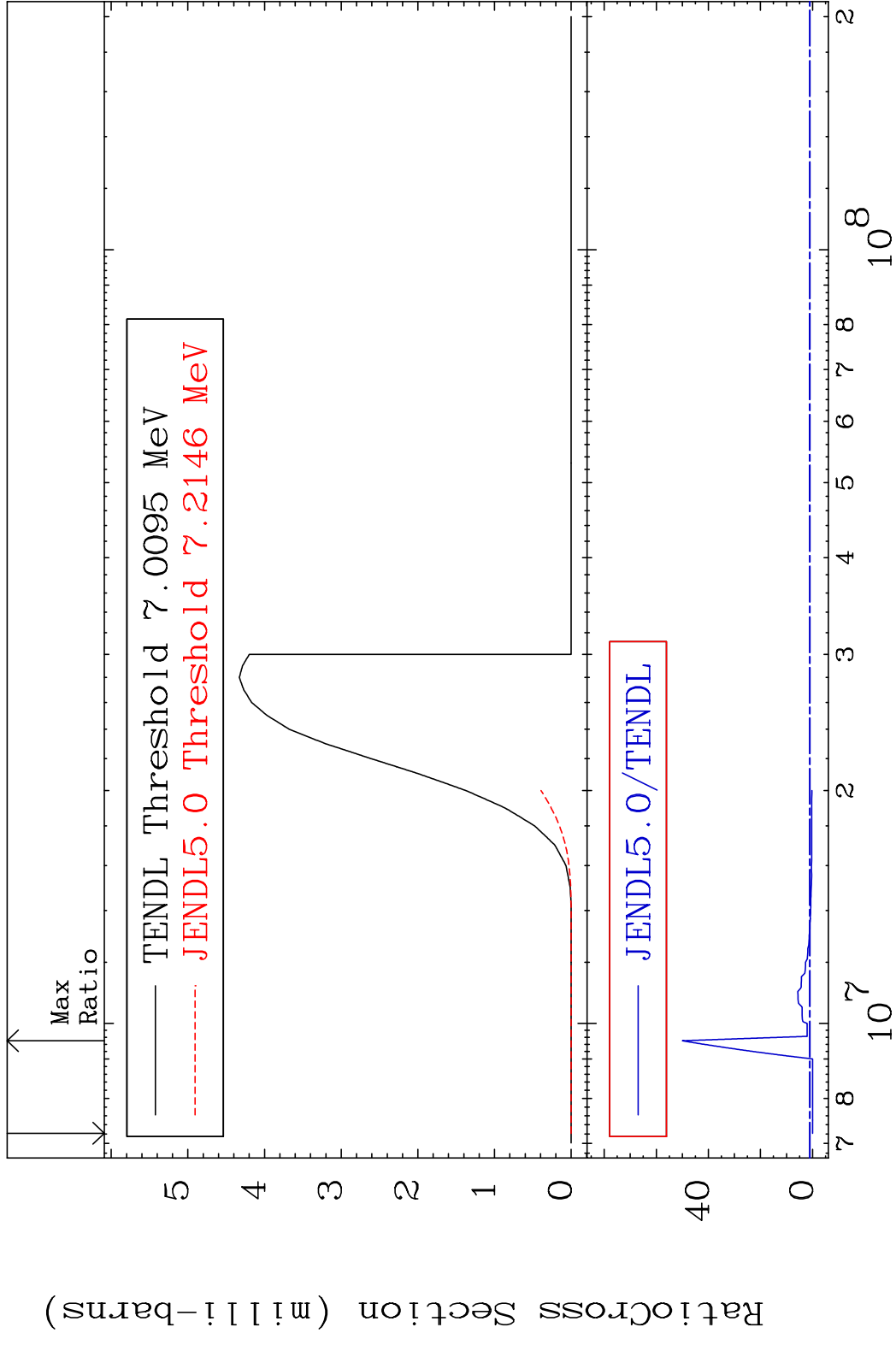


30

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, t) 66-Dy-164
 Cross Section -100.0 To 4899. %

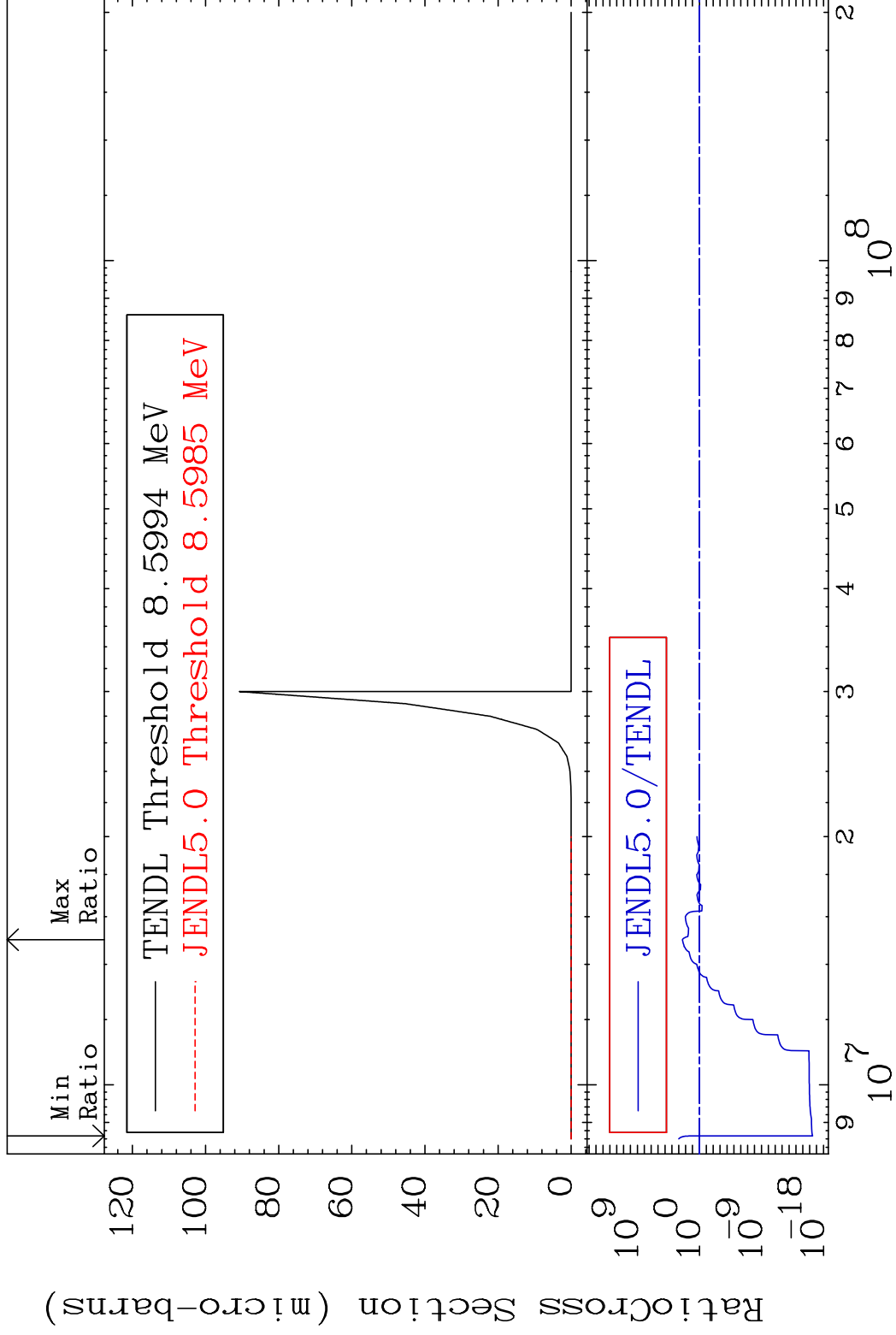


MAT 6649

(n, He-3)

66-Dy-164

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

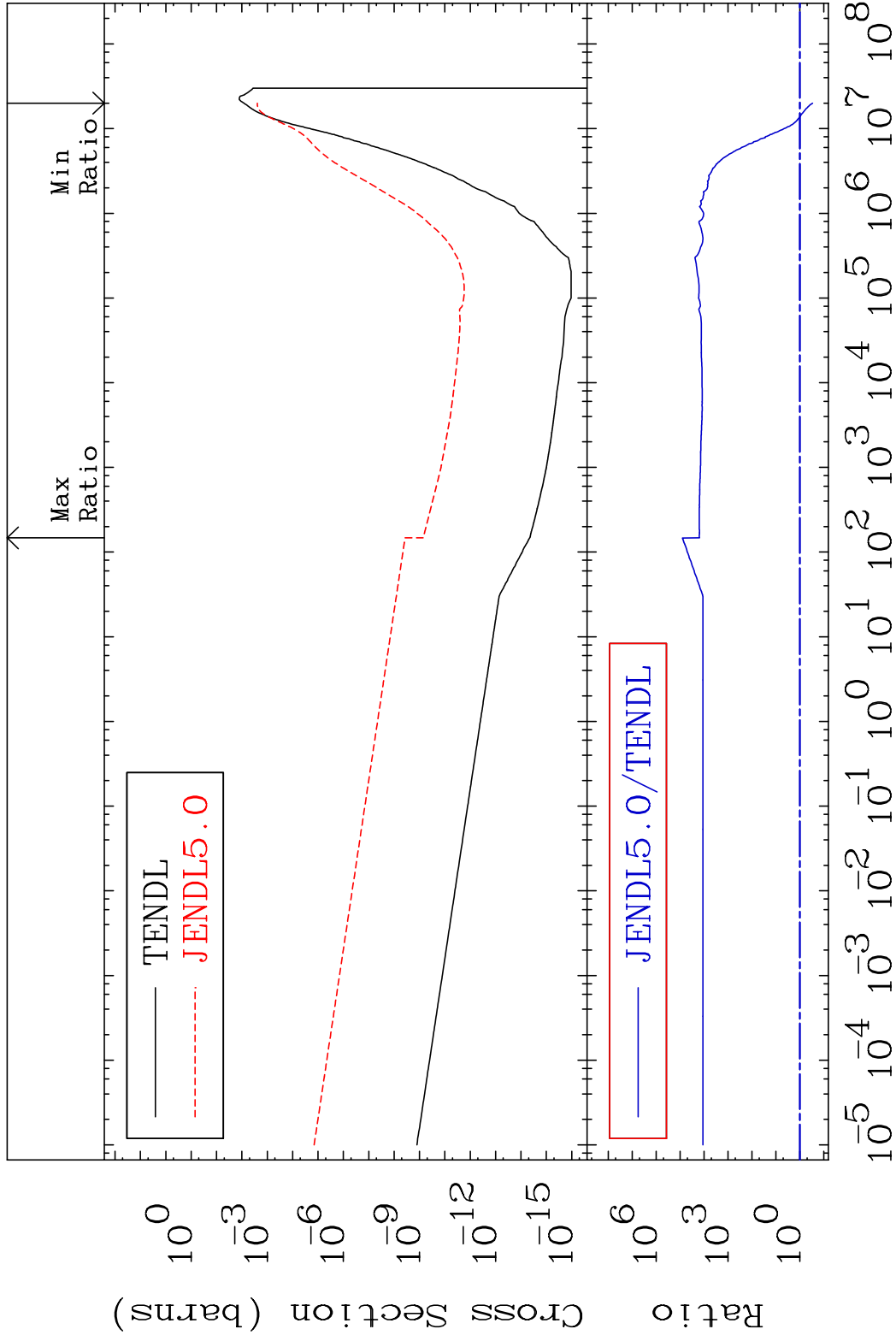
66-Dy-164

MAT 6649

(n, α)

66-Dy-164

Cross Section -70.44 To 9999. %

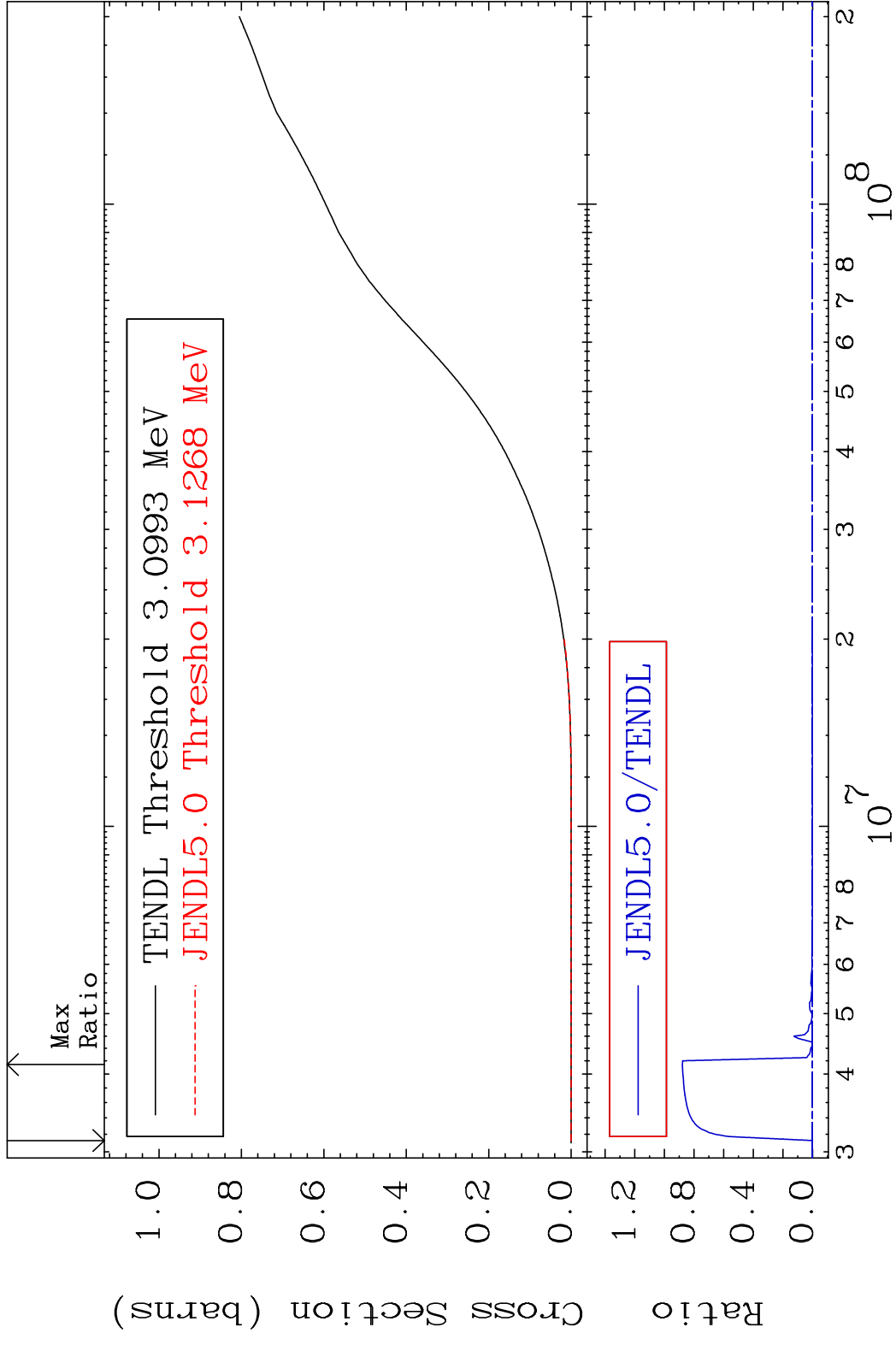


33

Incident Energy (eV)

66-Dy-164

MAT 6649 Hydrogen Production 66-Dy-164
 Cross Section -100.0 To 9999. %

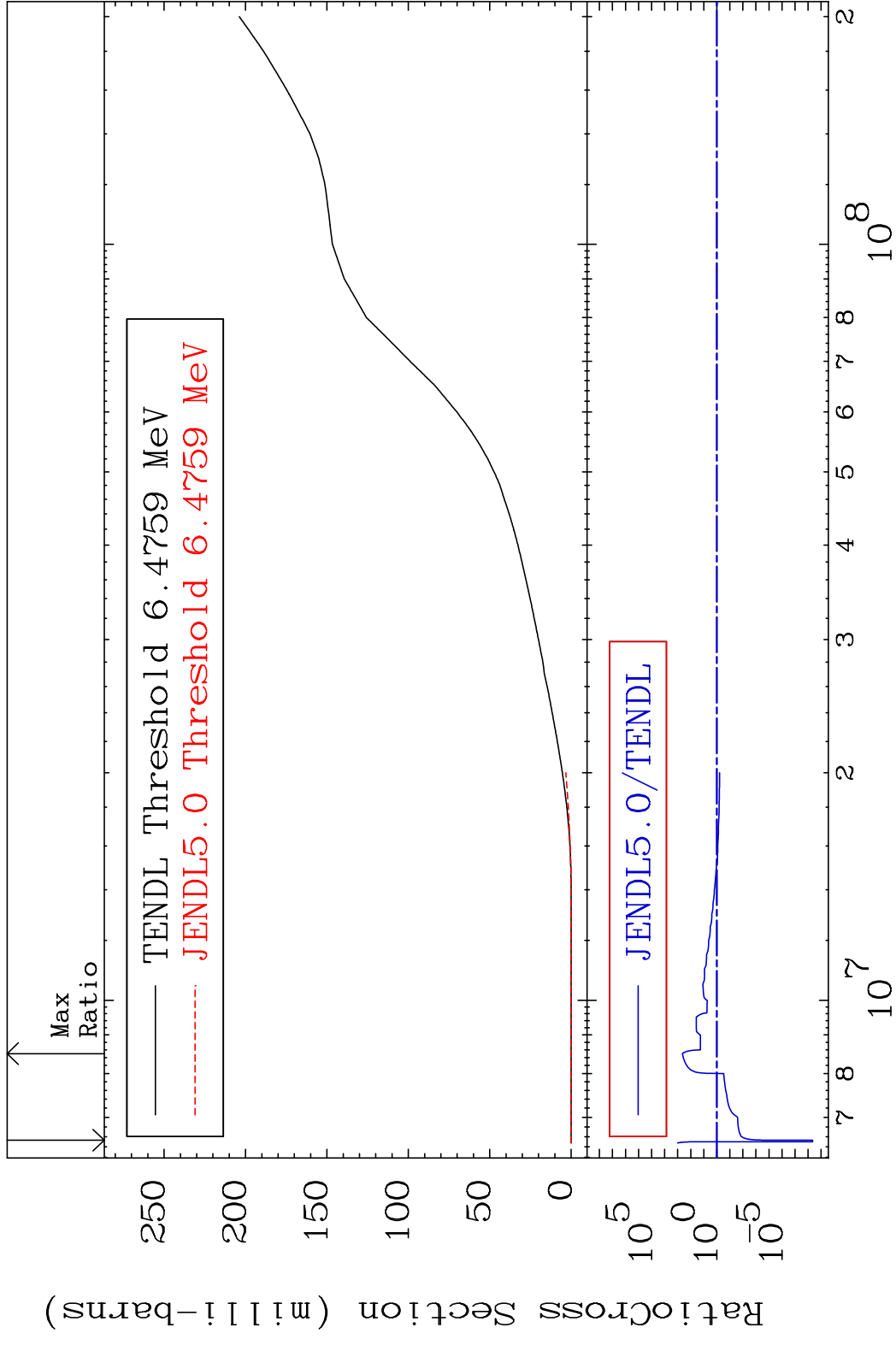


MAT 6649

Deuterium Production

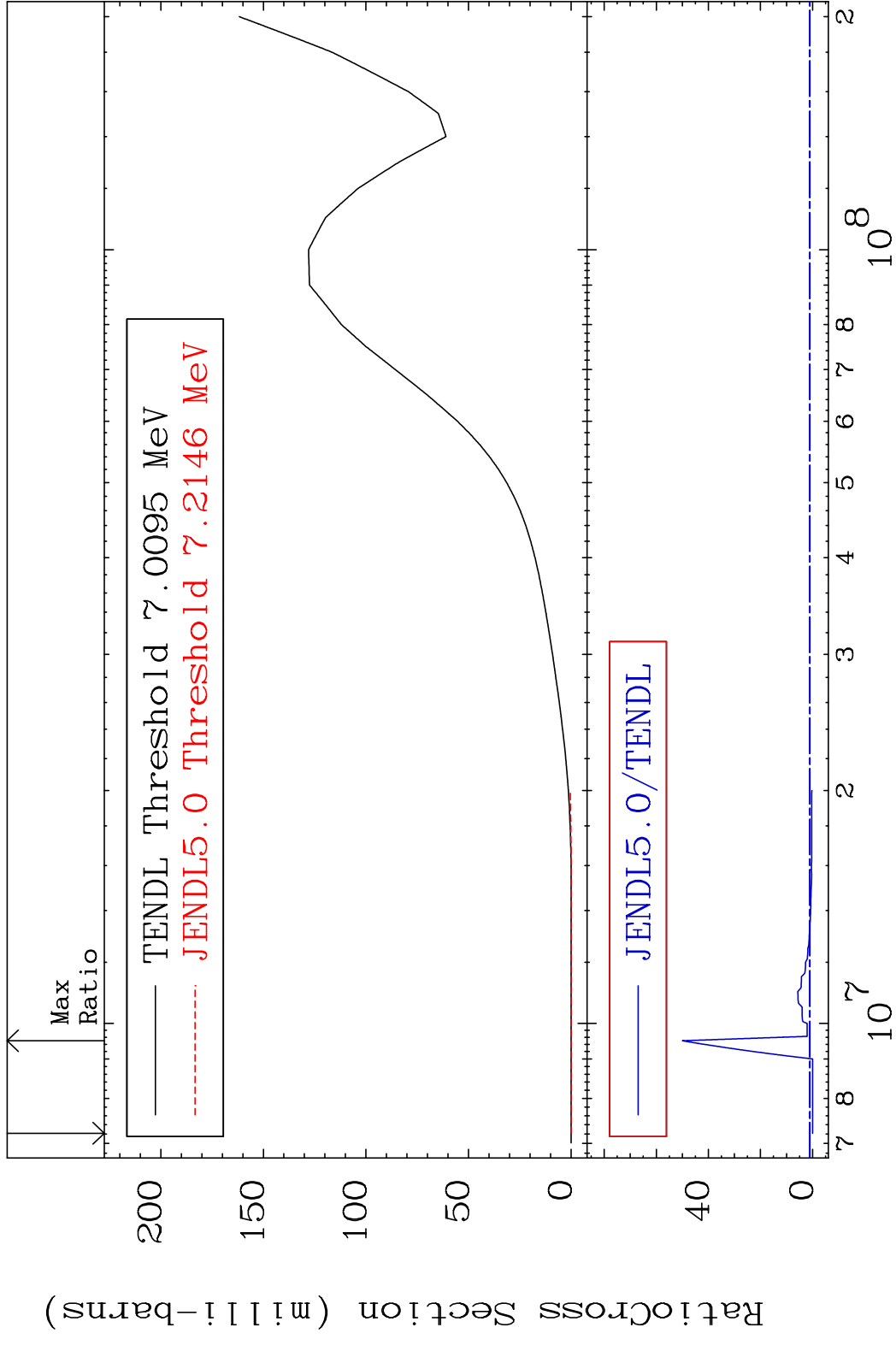
66-Dy-164

Cross Section -100.0 To 9999. %

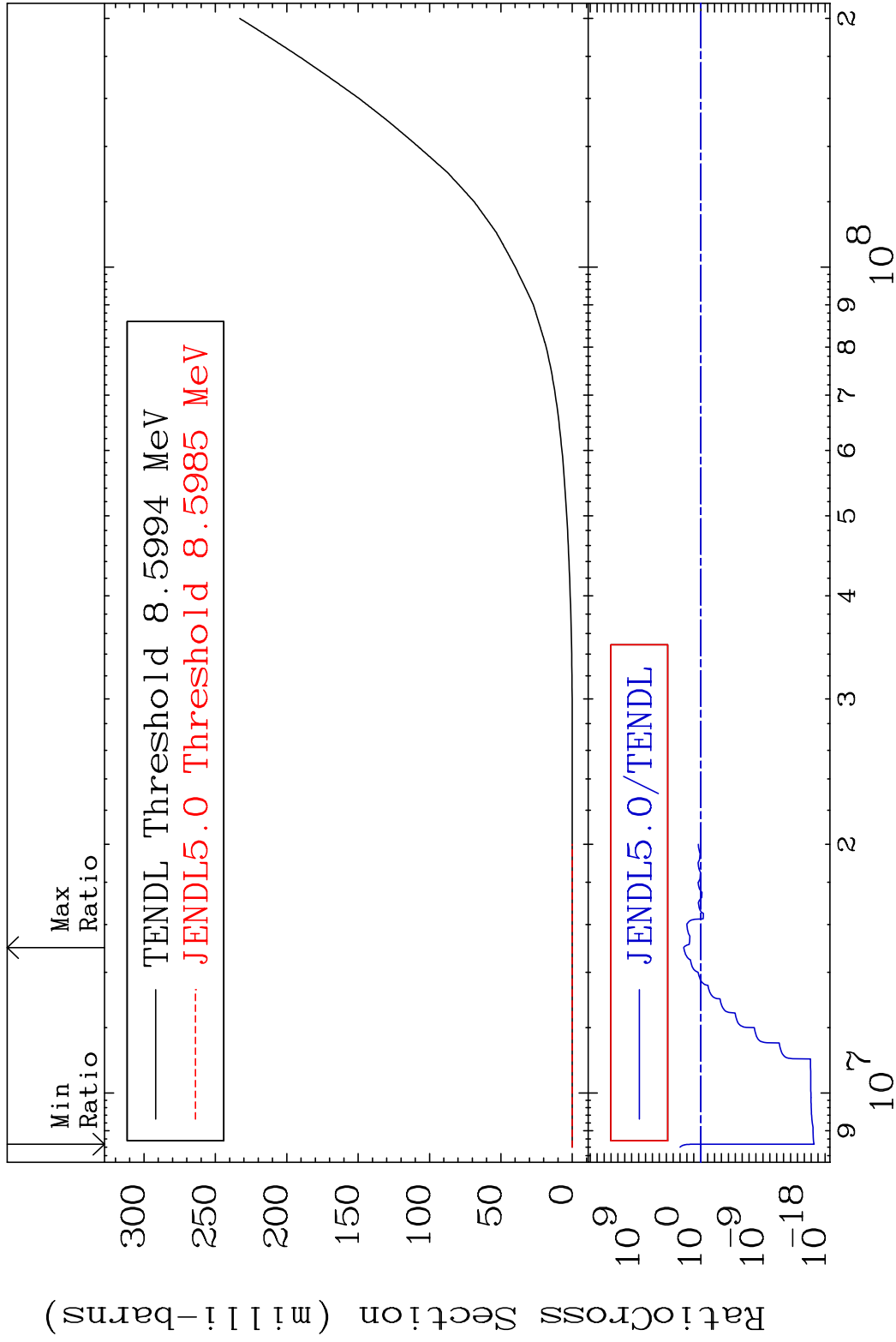


MAT 6649

Tritium Production 66-Dy-164
Cross Section -100.0 To 4899. %



Cross Section -100.0 To 9999. %

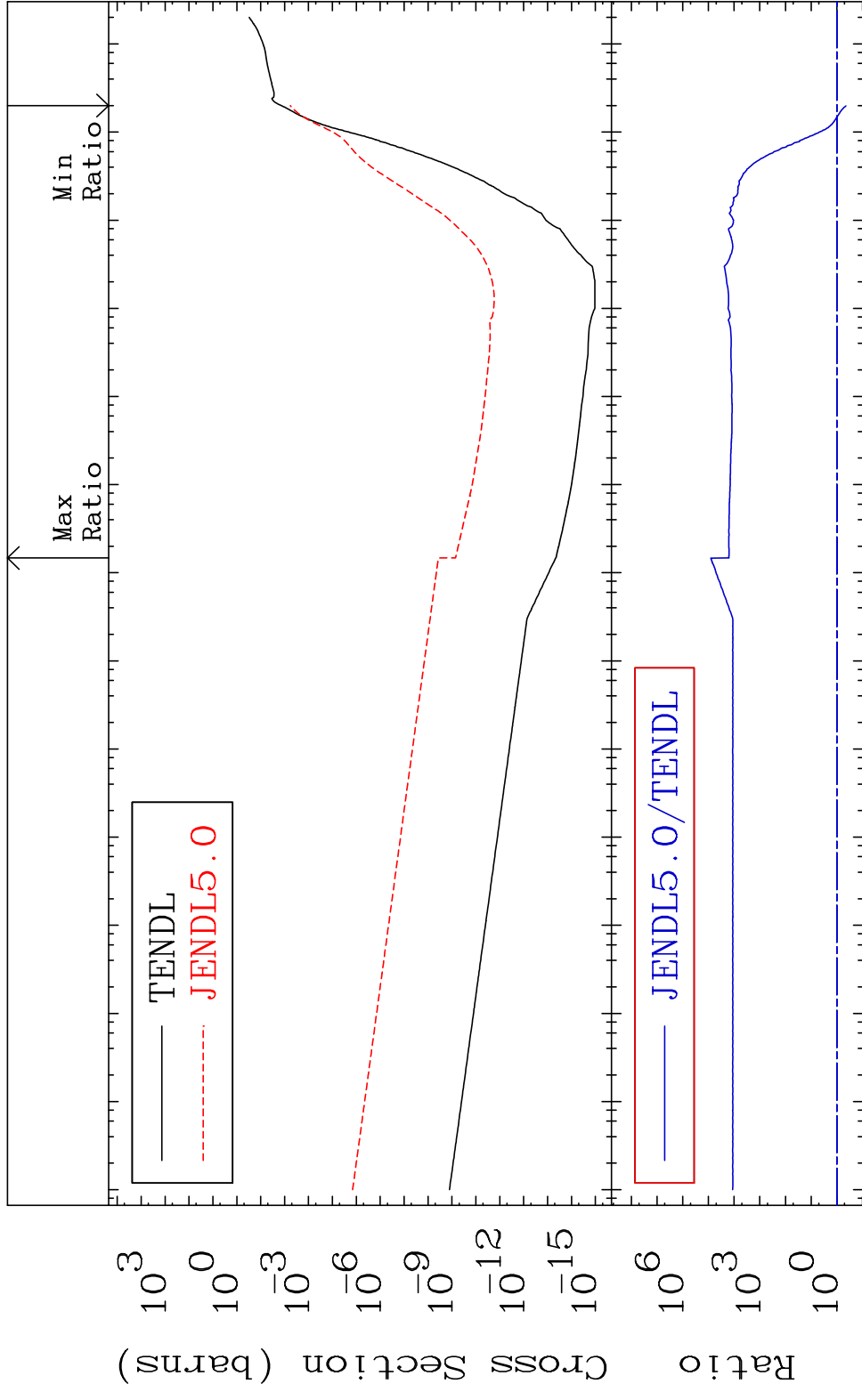


MAT 6649

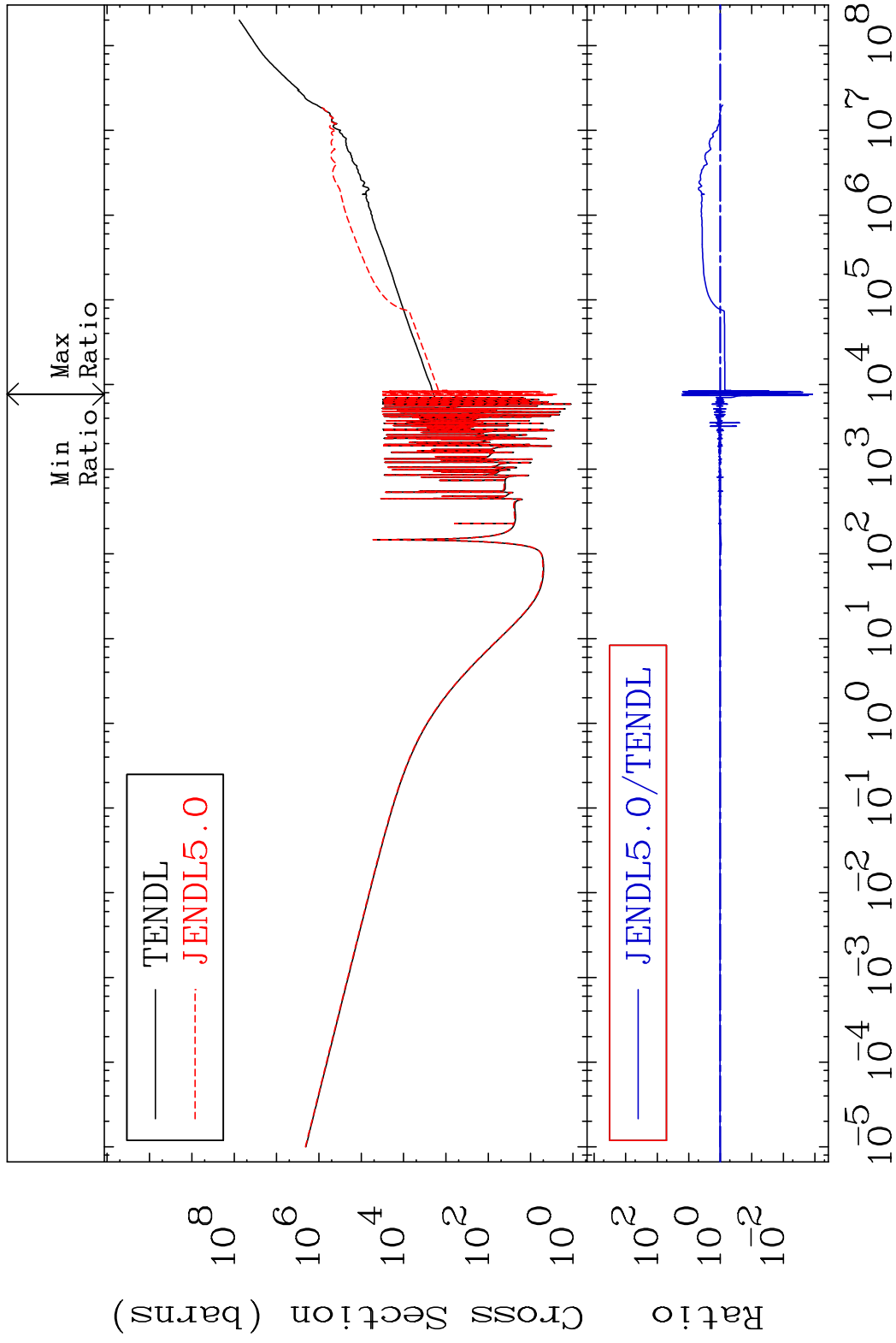
He-4 Production

66-Dy-164

Cross Section -57.34 To 9999. %



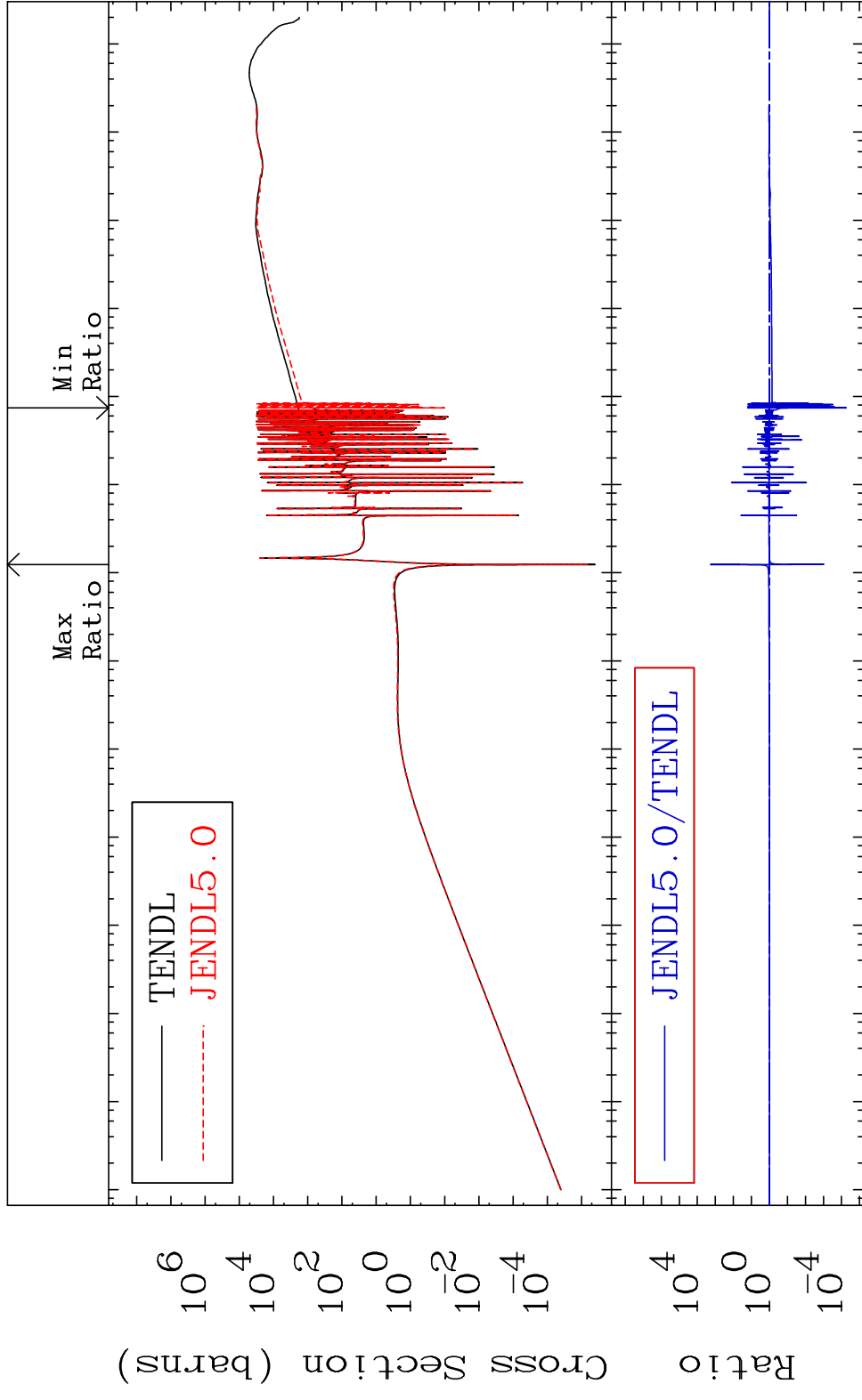
MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section -99.88 To 1497. %



MAT 6649

Kerma elastic
Cross Section

66-Dy-164
-99.99 To 9999. %

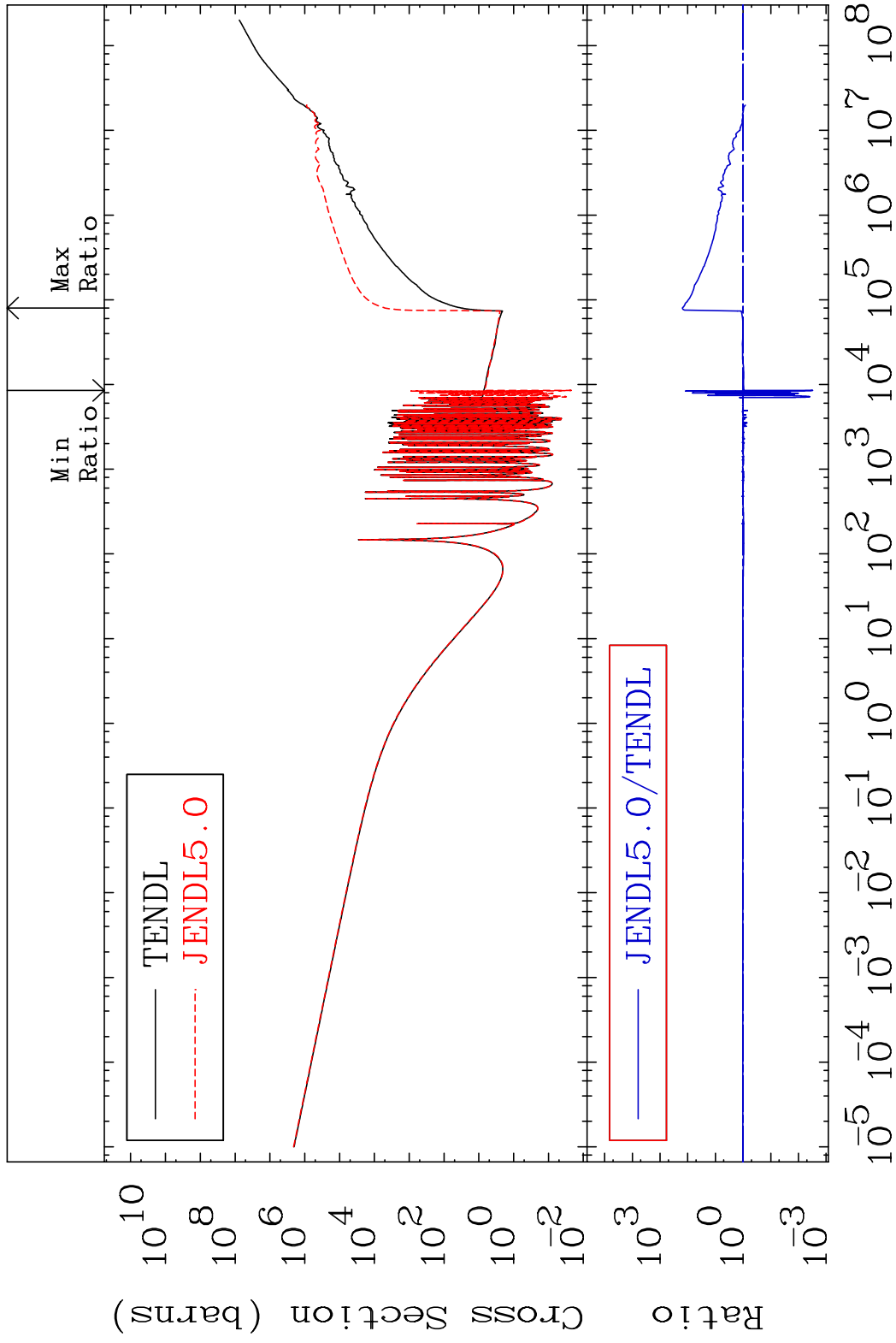


40

Incident Energy (eV)

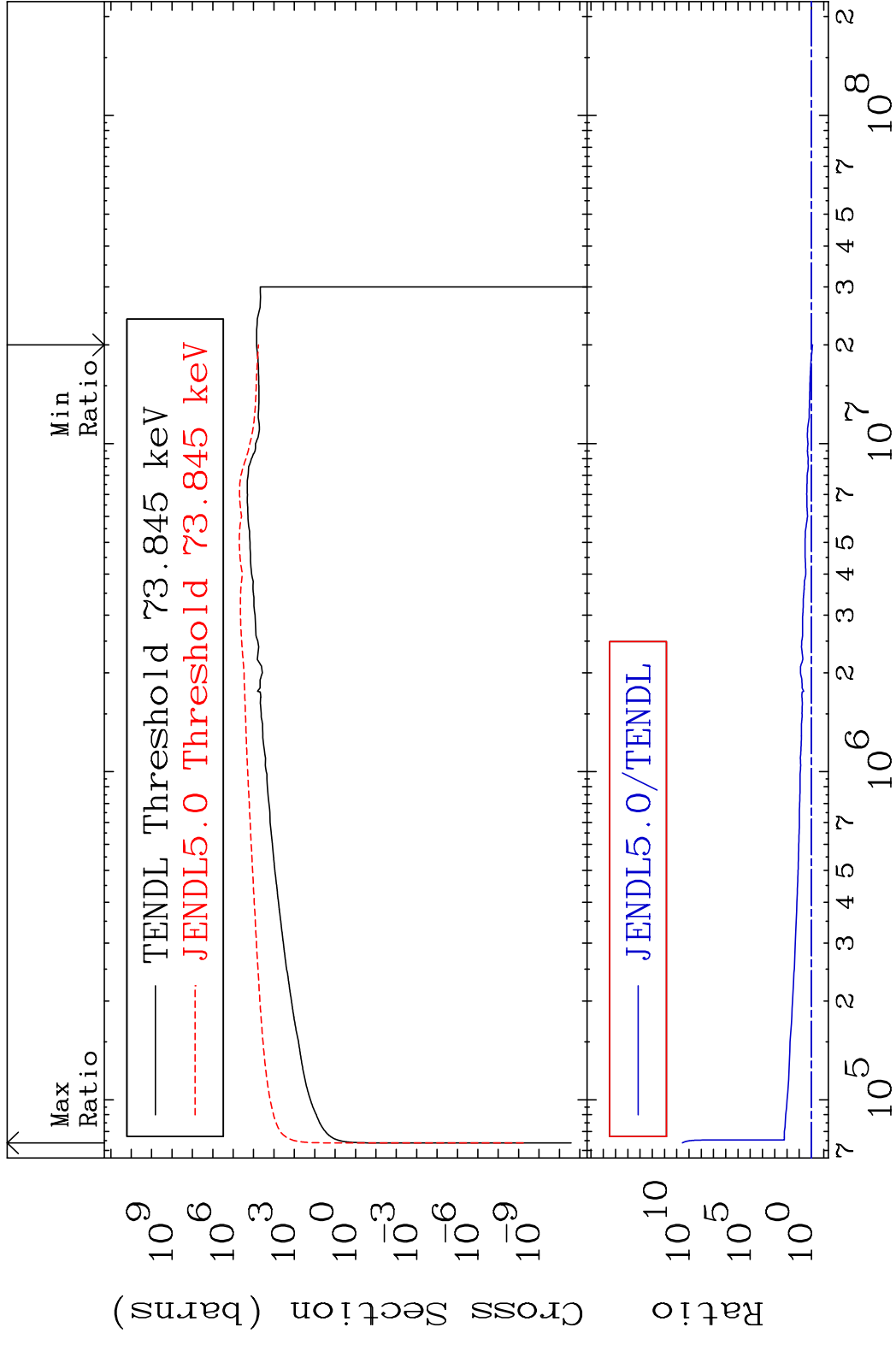
66-Dy-164

MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -99.69 To 9999. %

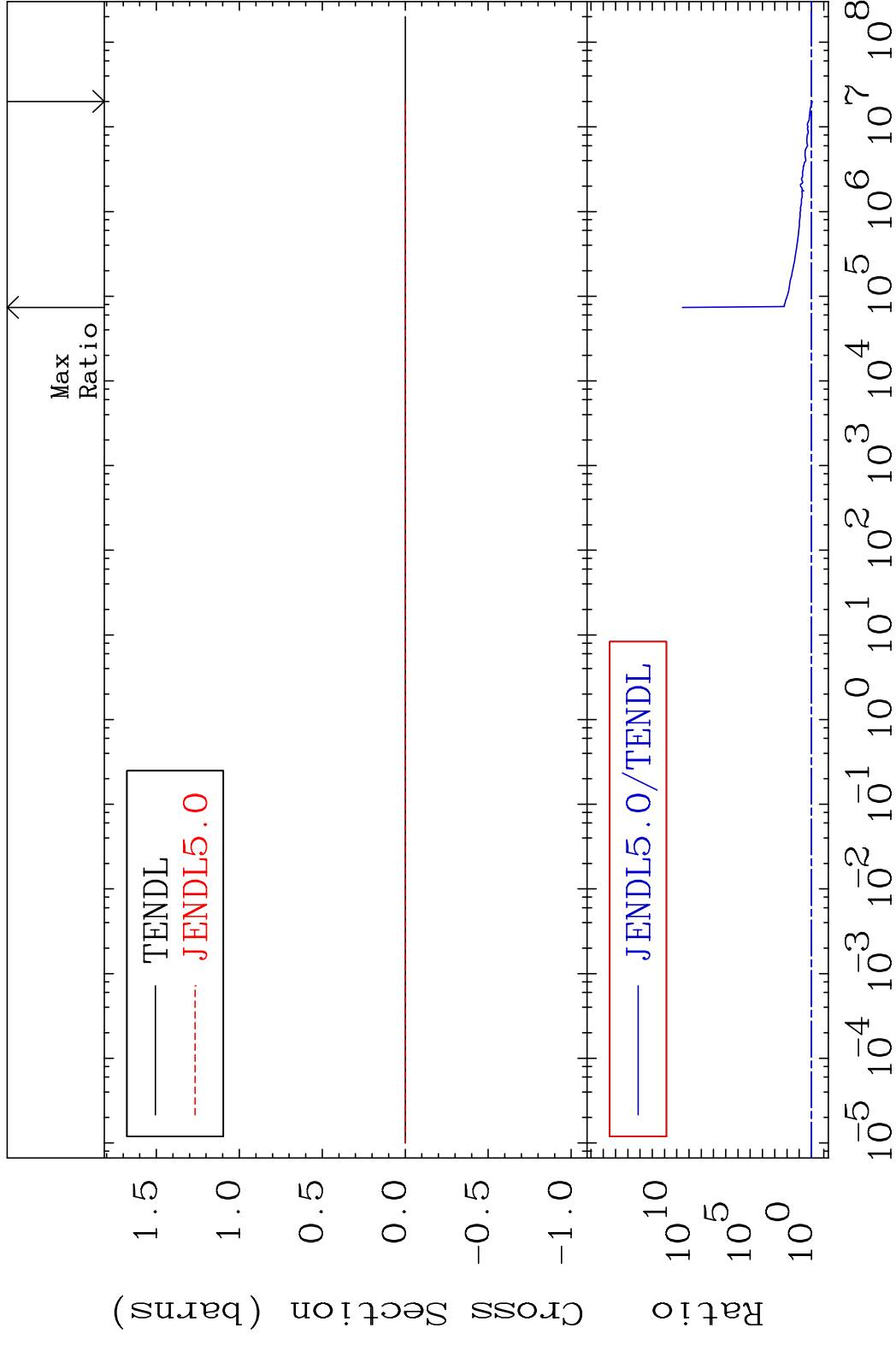


41 Incident Energy (eV) 66-Dy-164

MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
 Cross Section -18.70 To 9999. %

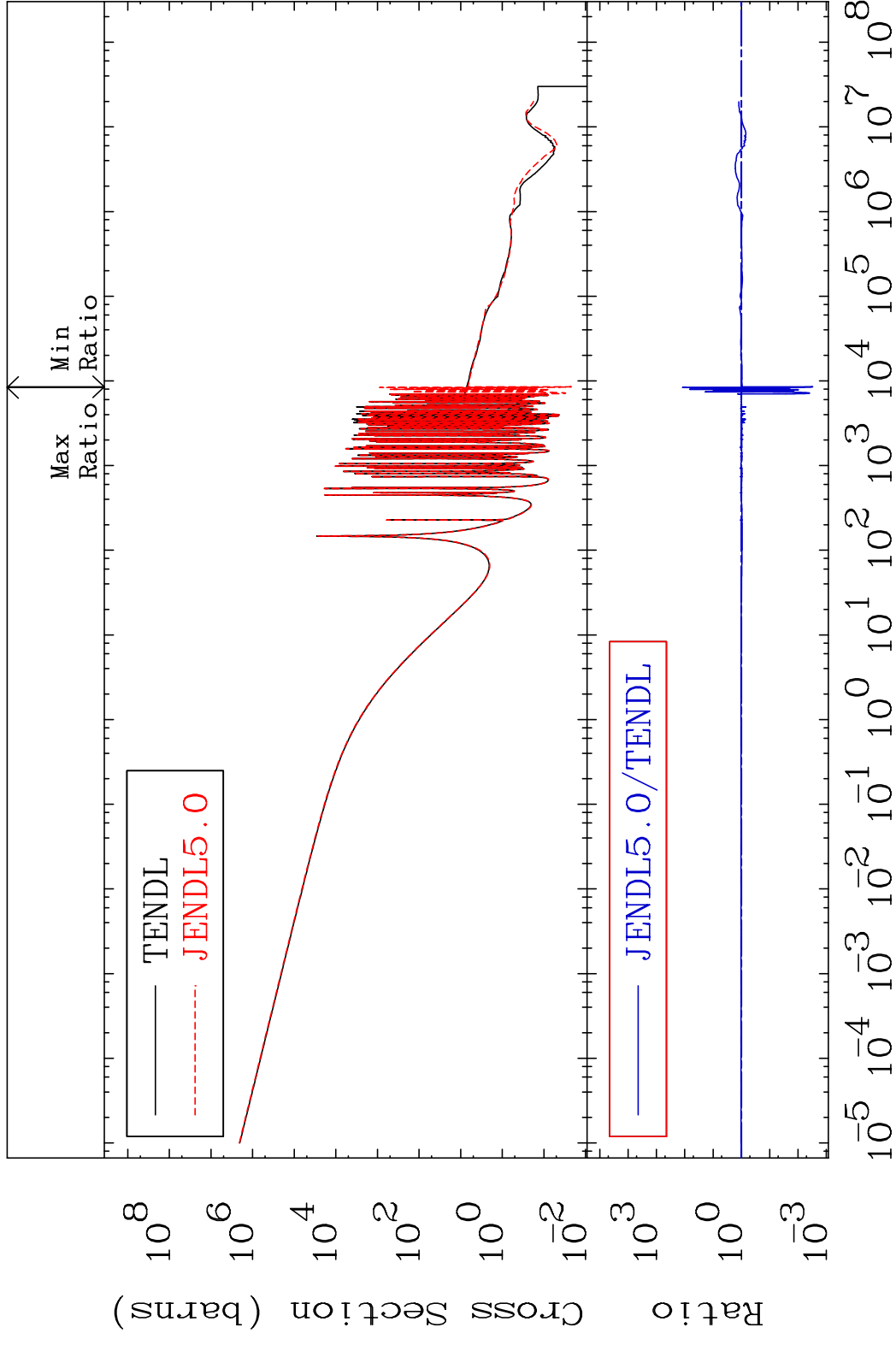


MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -18.70 To 9999. %



MAT 6649

Kerma capture (mt102) 66-Dy-164
Cross Section -99.69 To 9999. %

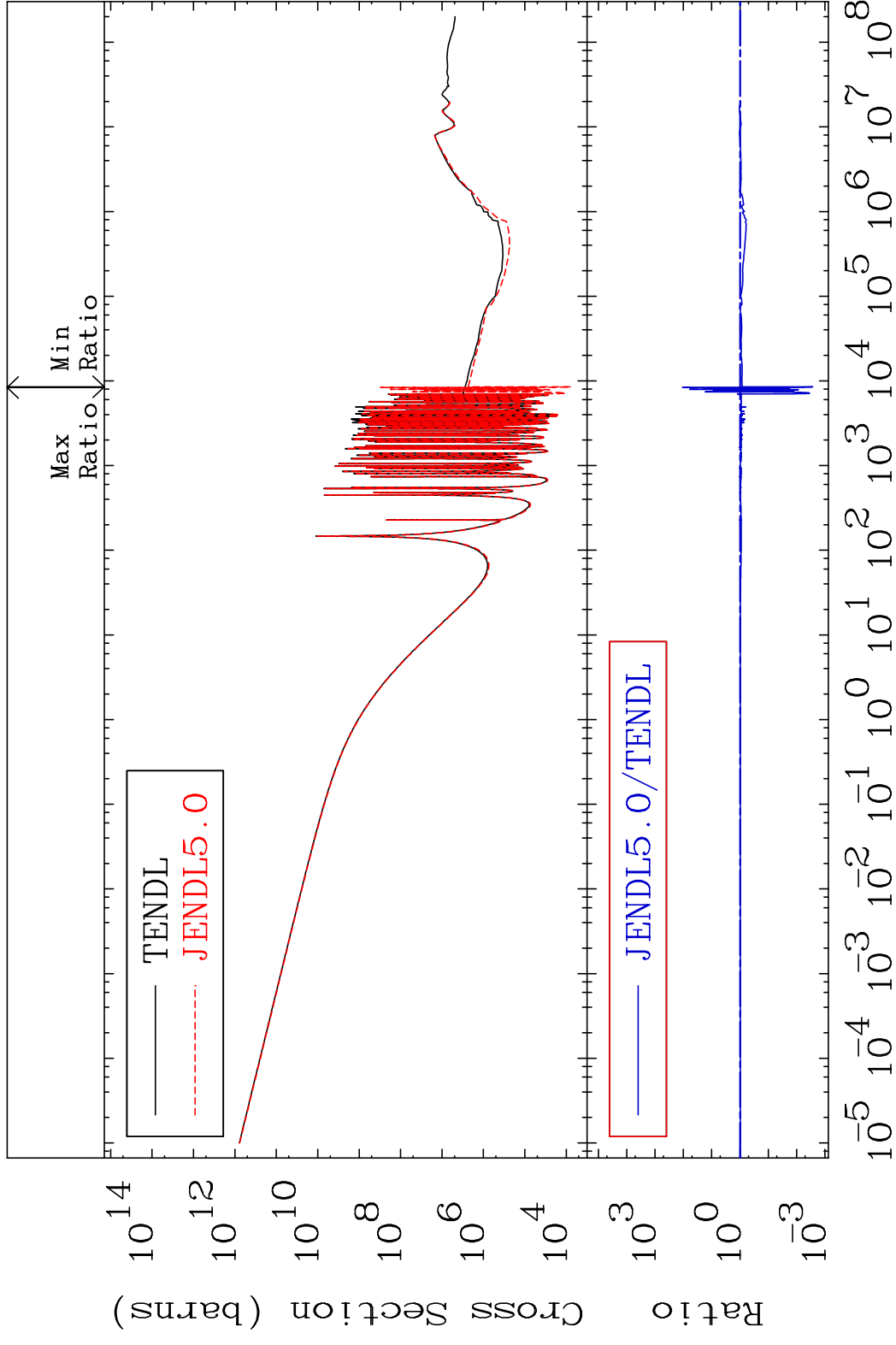


44

Incident Energy (eV) 66-Dy-164

MAT 6649

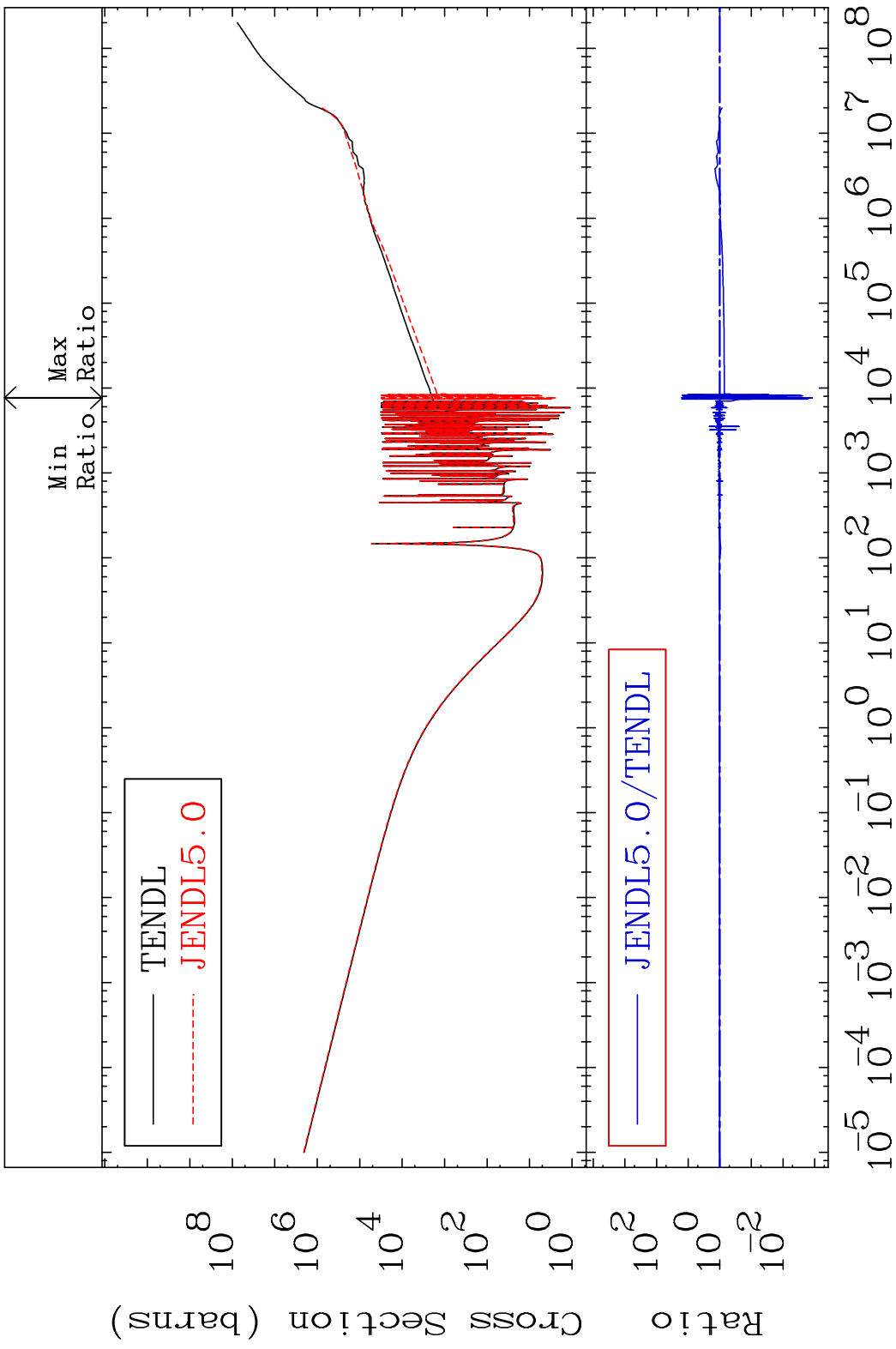
Total photon (eV-barns) 66-Dy-164
Cross Section -99.73 To 9999. %



45

Incident Energy (eV) 66-Dy-164

MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -99.88 To 1497. %

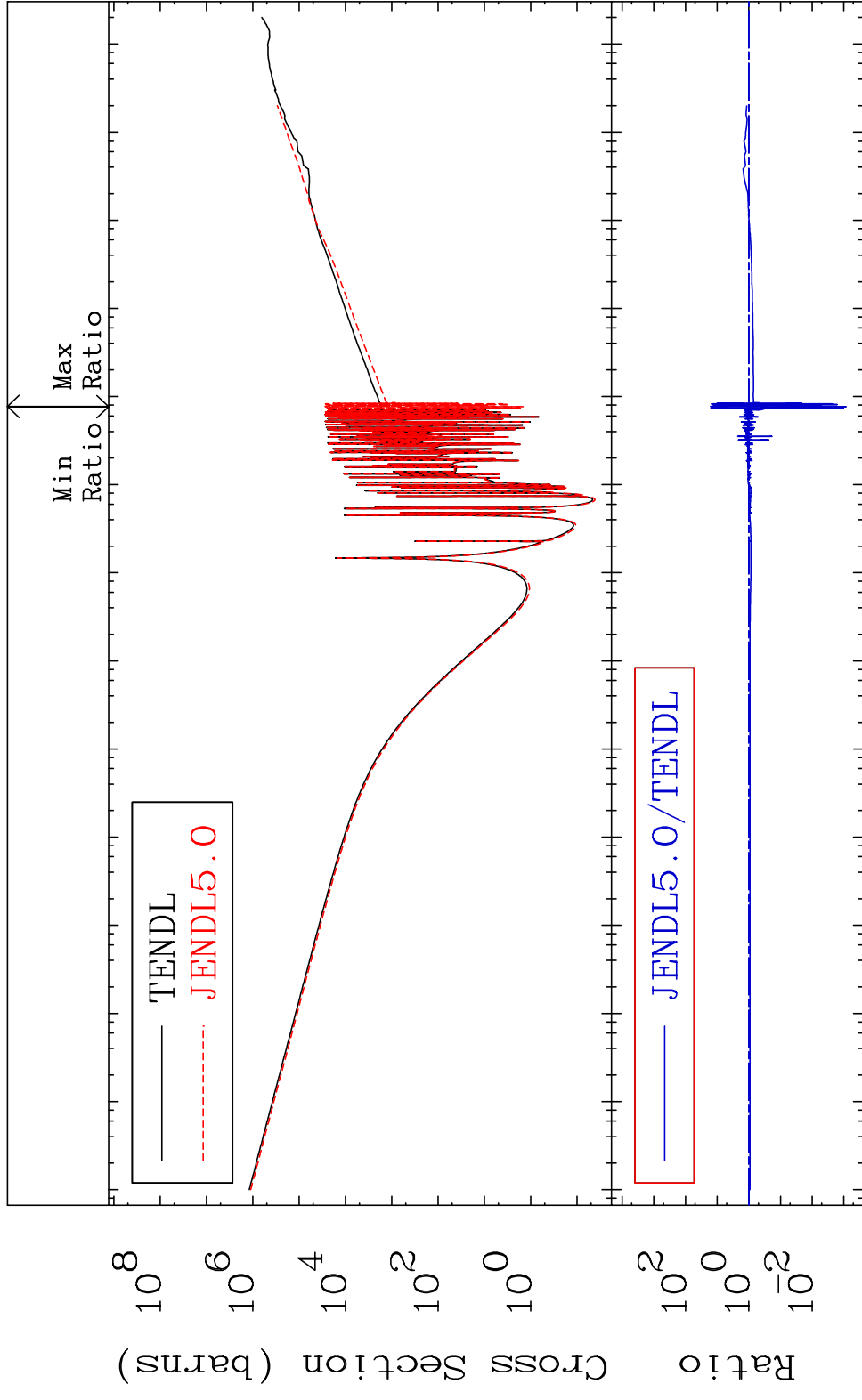


MAT 6649

Dpa total (eV-barns)

66-Dy-164

Cross Section -99.92 To 1502. %



47

Incident Energy (eV)

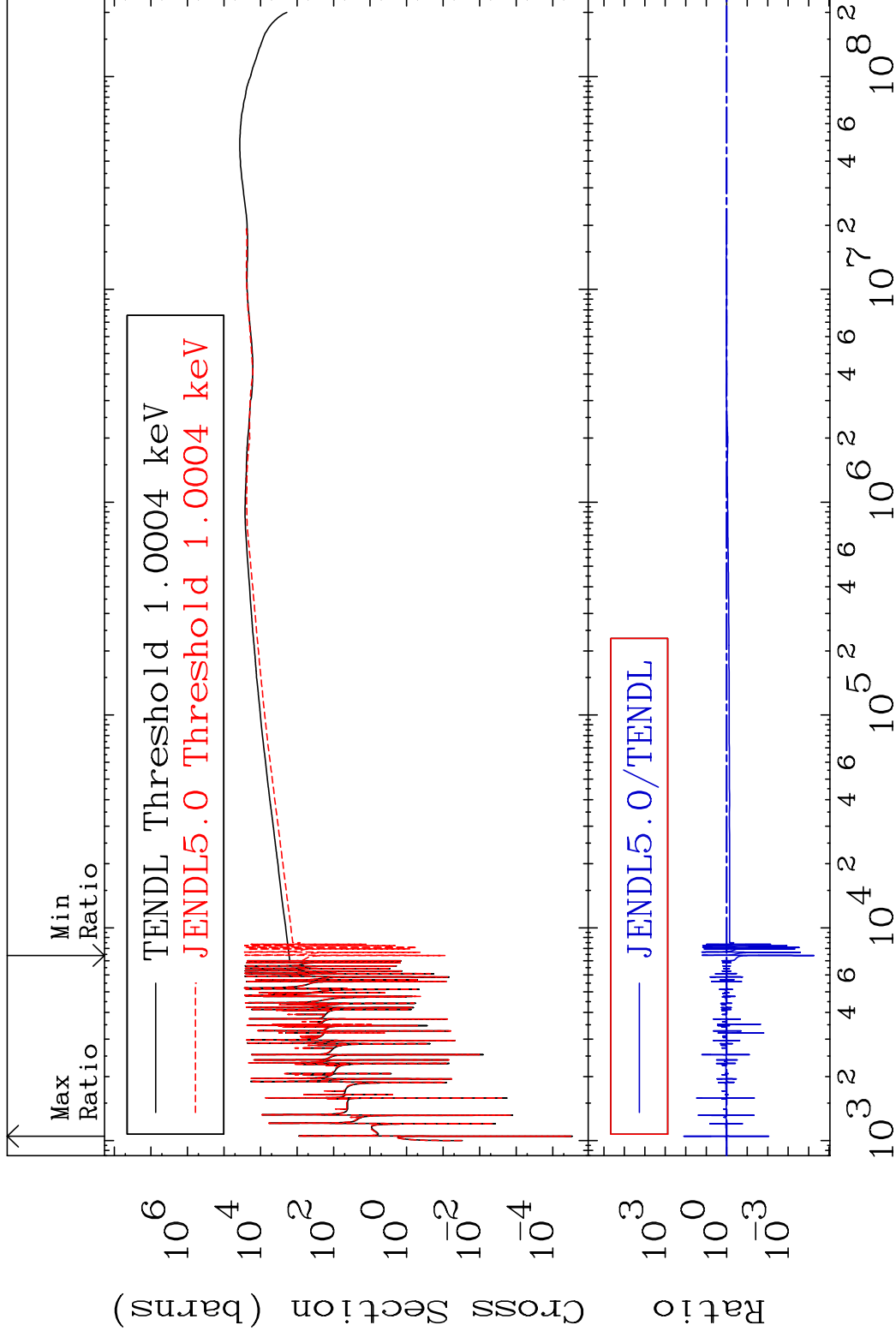
66-Dy-164

MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %

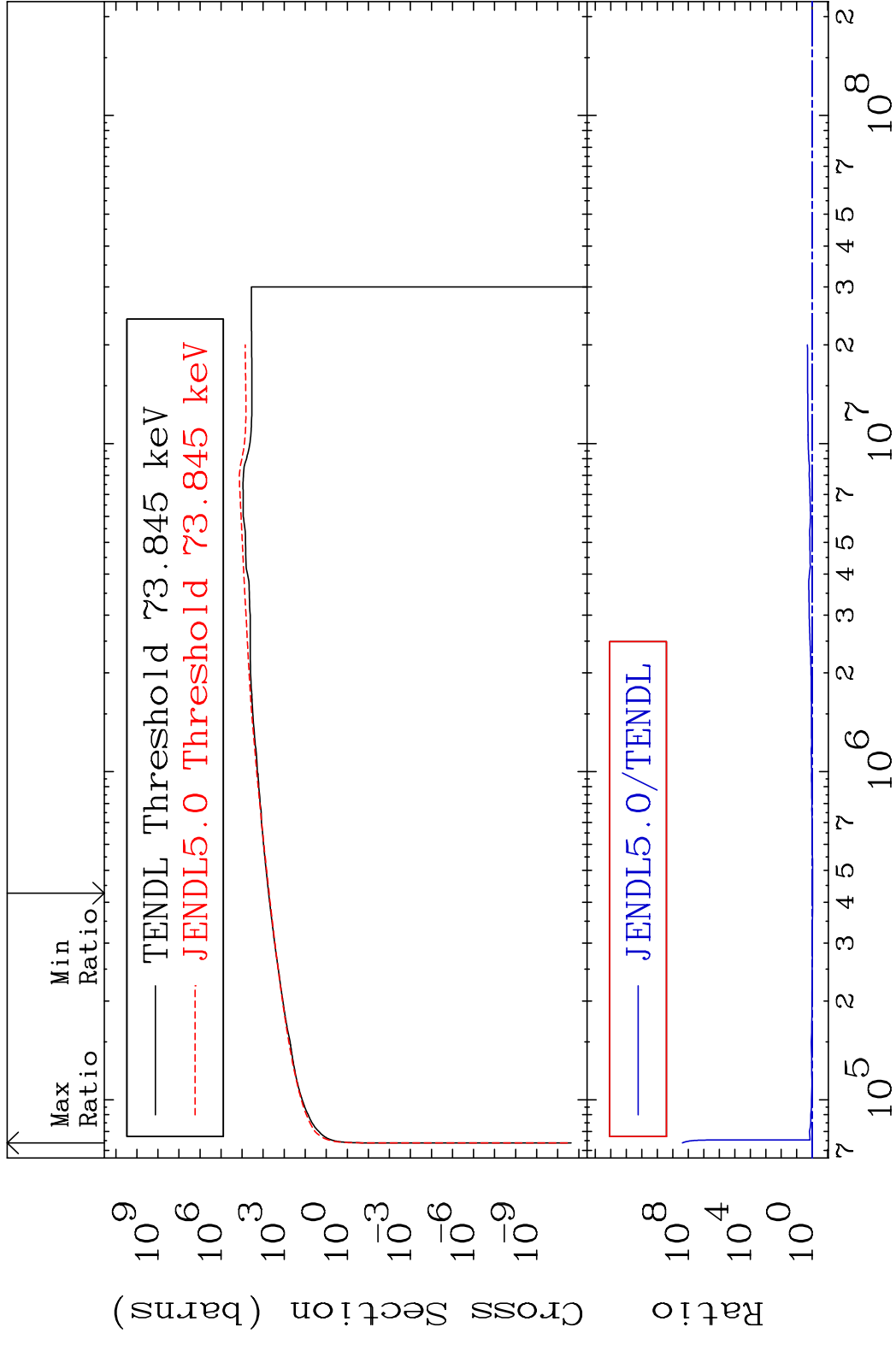


48

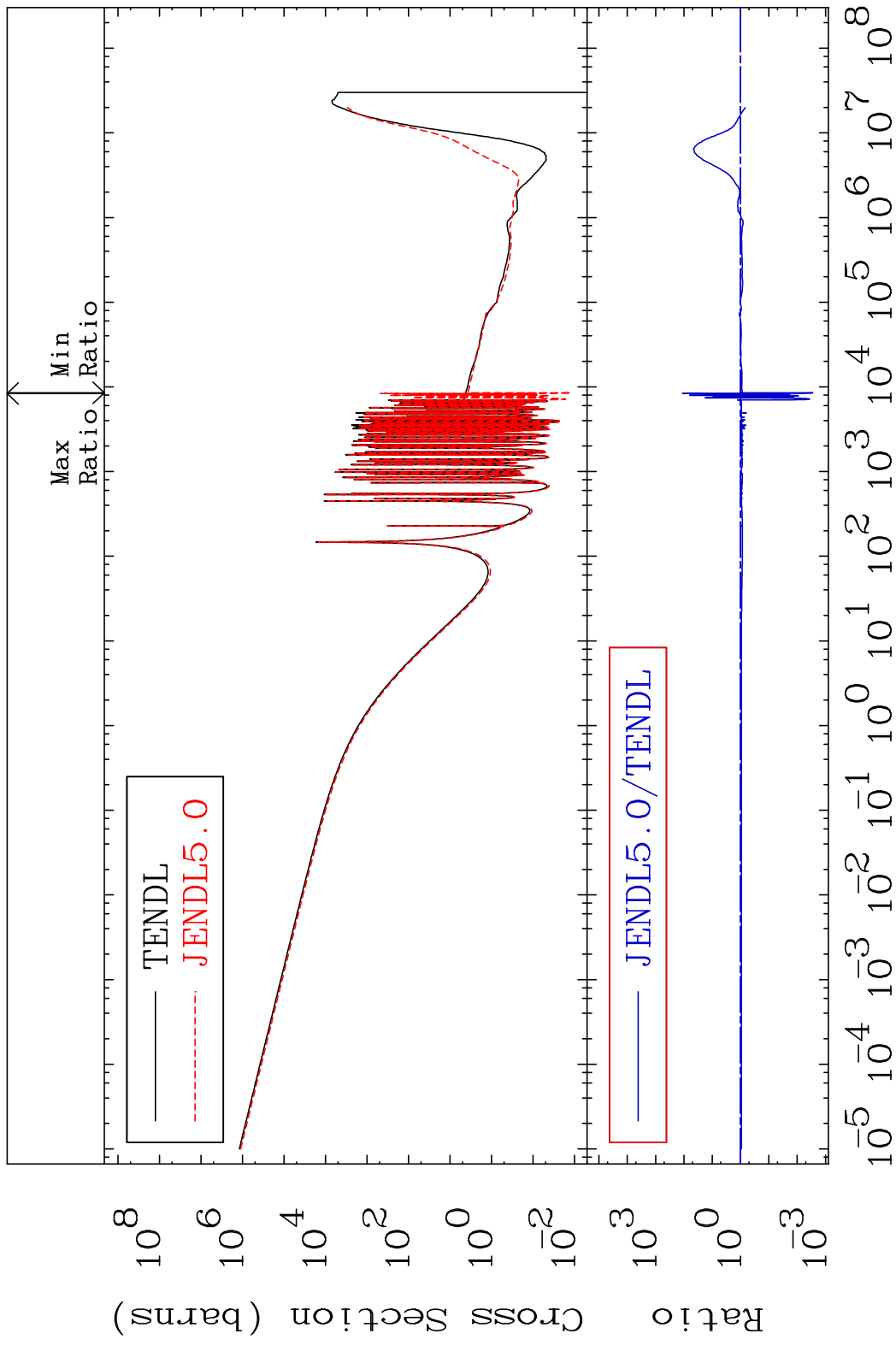
Incident Energy (eV)

66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
 Cross Section -4.951 To 9999. %



MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -99.71 To 9999. %

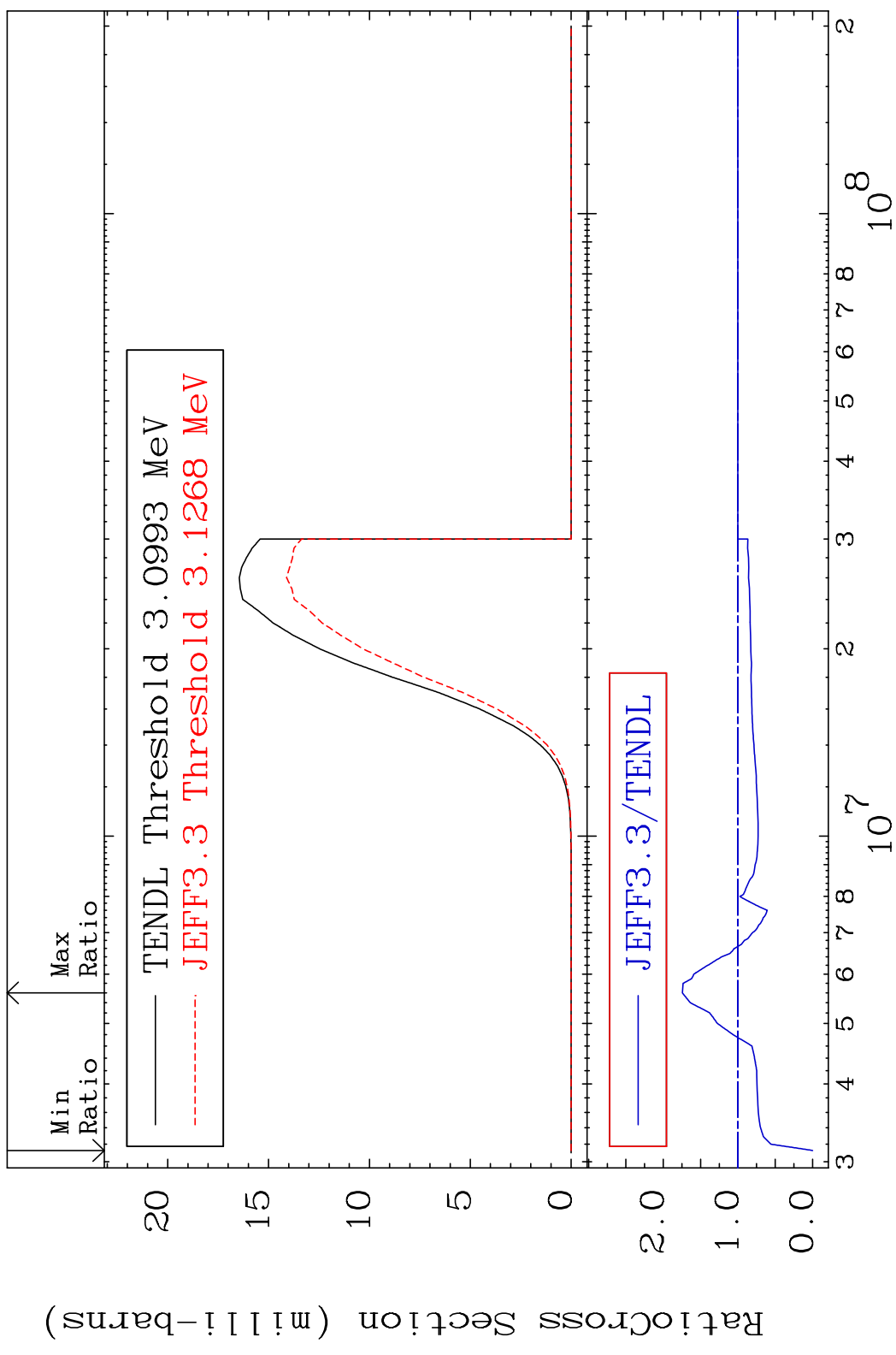


MAT 6649

(n,p)

66-Dy-164

Cross Section -100.0 To 74.42 %

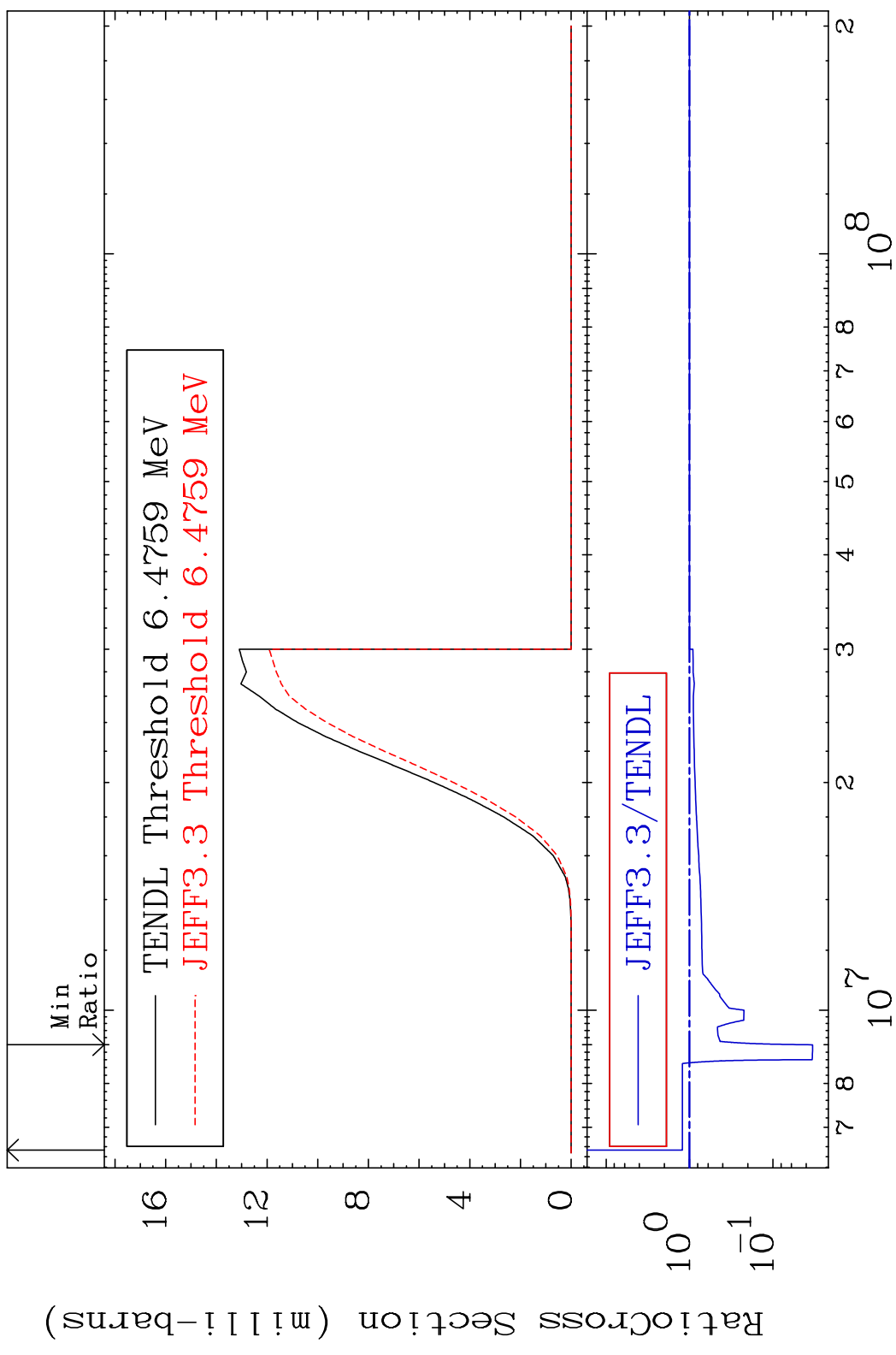


MAT 6649

(n,d)

66-Dy-164

Cross Section -96.65 To 22.01 %

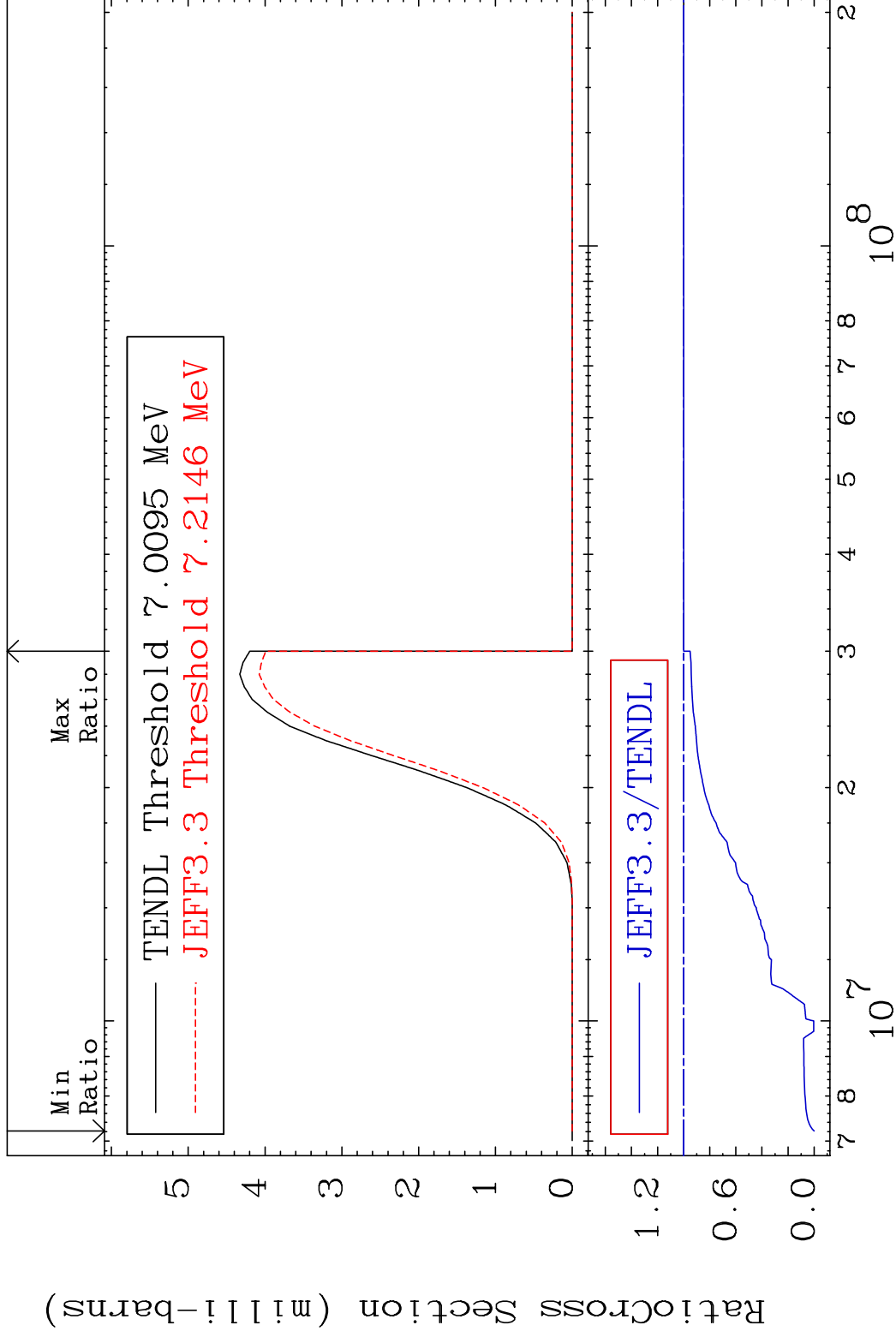


MAT 6649

(n, t)

66-Dy-164

Cross Section -100.0 To 0.000 %

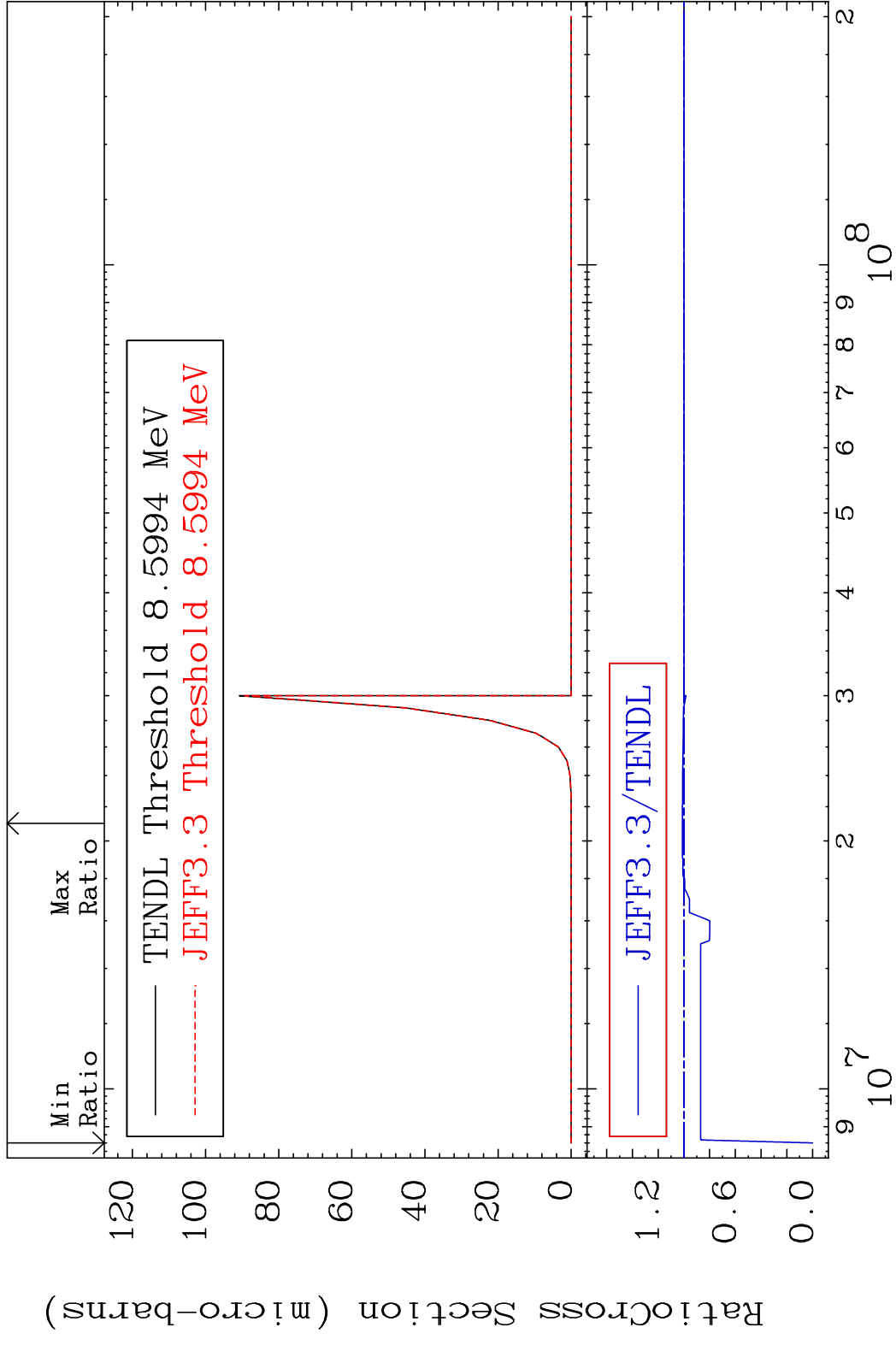


53

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, He-3) 66-Dy-164
 Cross Section -100.0 To 1.207 %

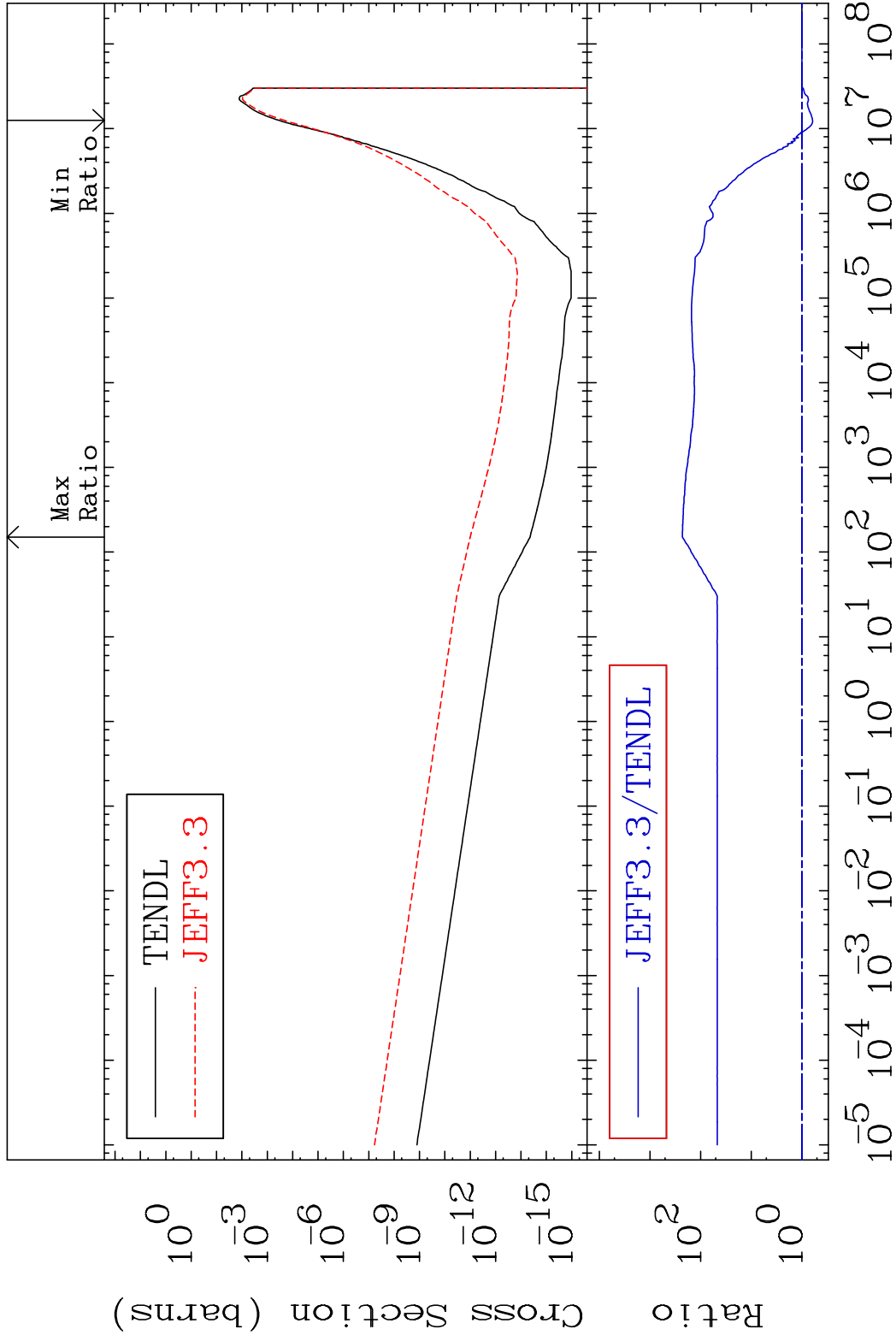


MAT 6649

(n, α)

66-Dy-164

Cross Section -38.68 To 9999. %



55

Incident Energy (eV)

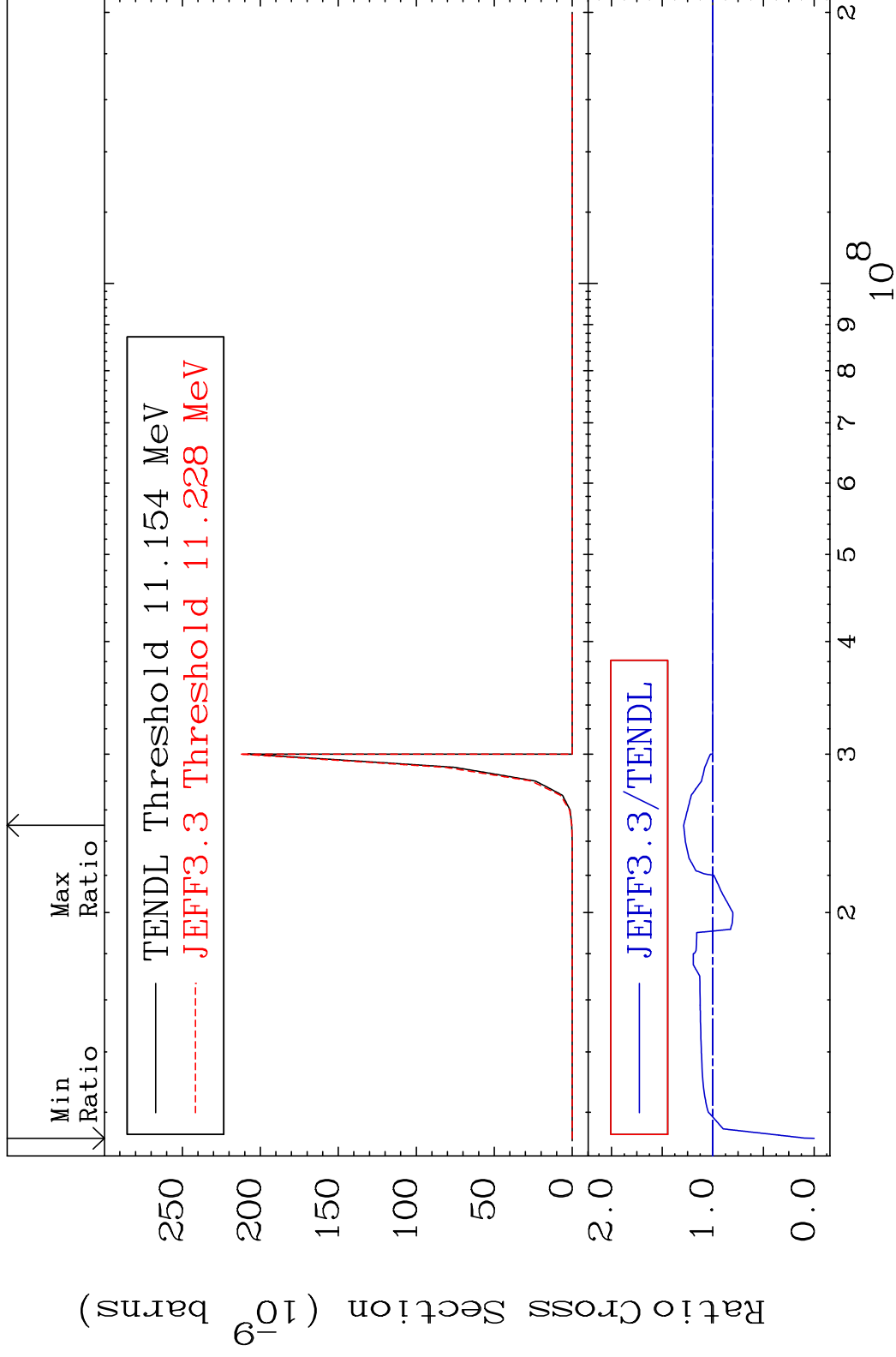
66-Dy-164

MAT 6649

(n,2p)

66-Dy-164

Cross Section -100.0 To 28.78 %



56

Incident Energy (eV)

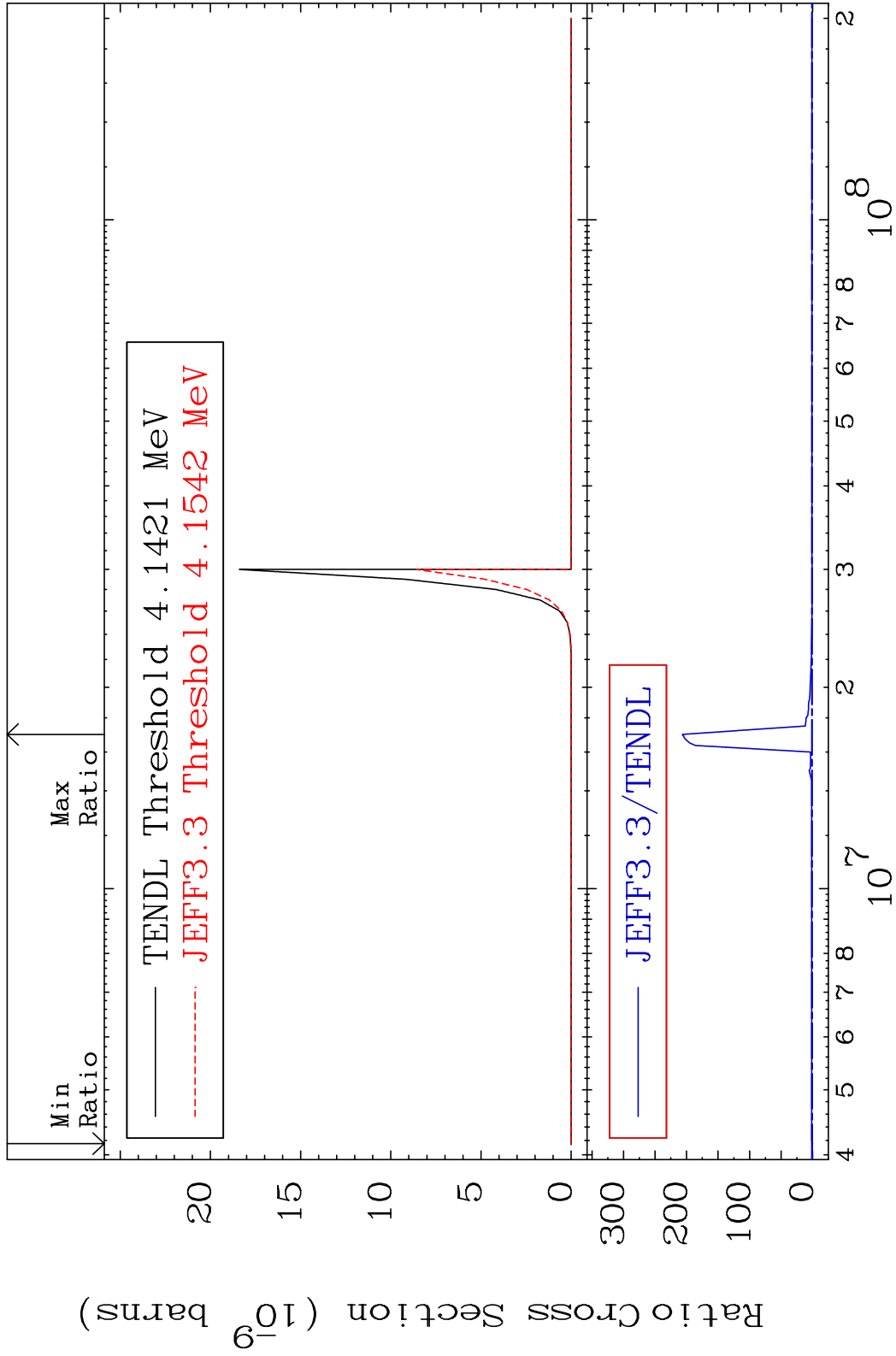
66-Dy-164

MAT 6649

(n,p) α

66-Dy-164

Cross Section -100.0 To 9999. %

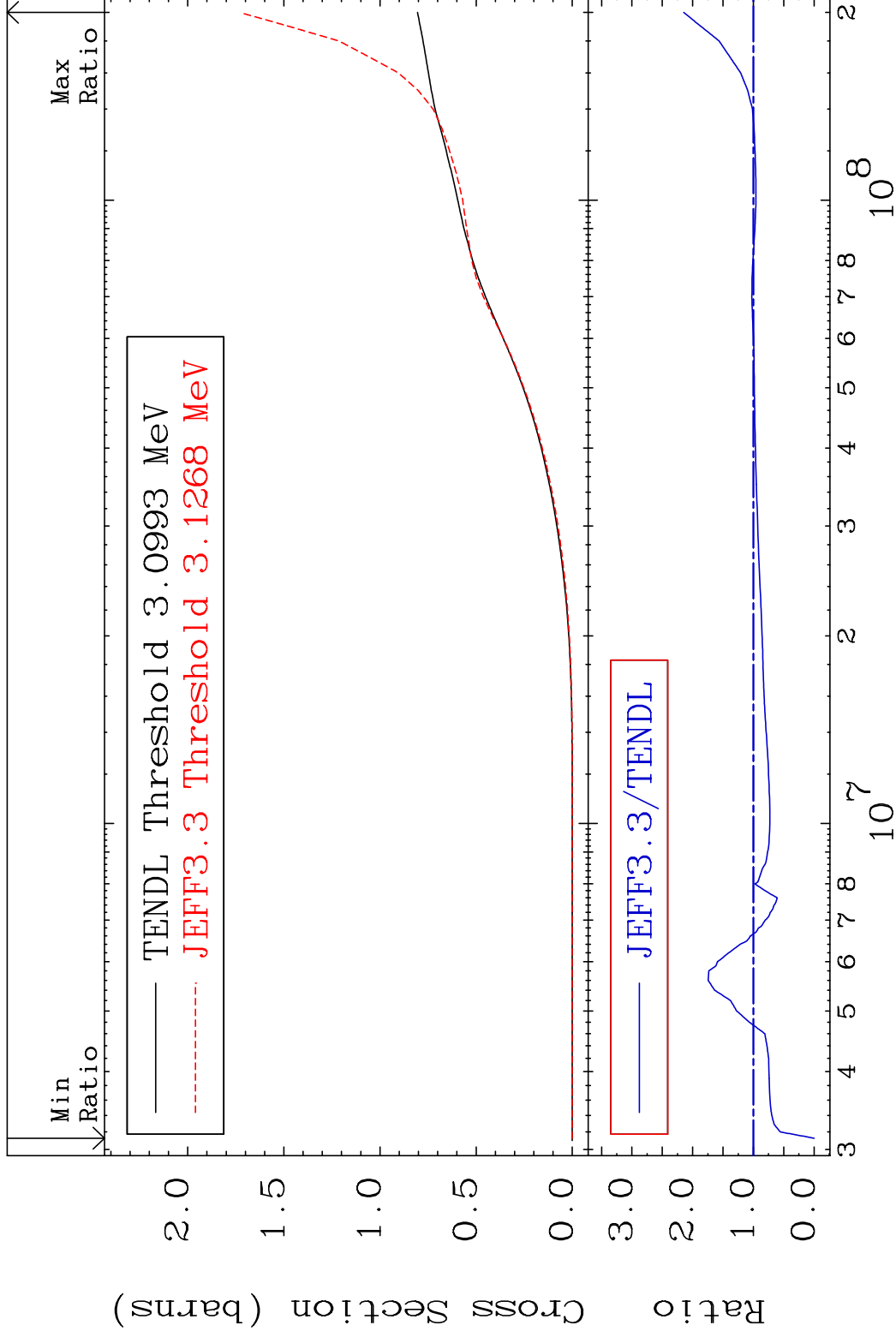


MAT 6649

Hydrogen Production

66-Dy-164

Cross Section -100.0 To 114.8 %



58

Incident Energy (eV)

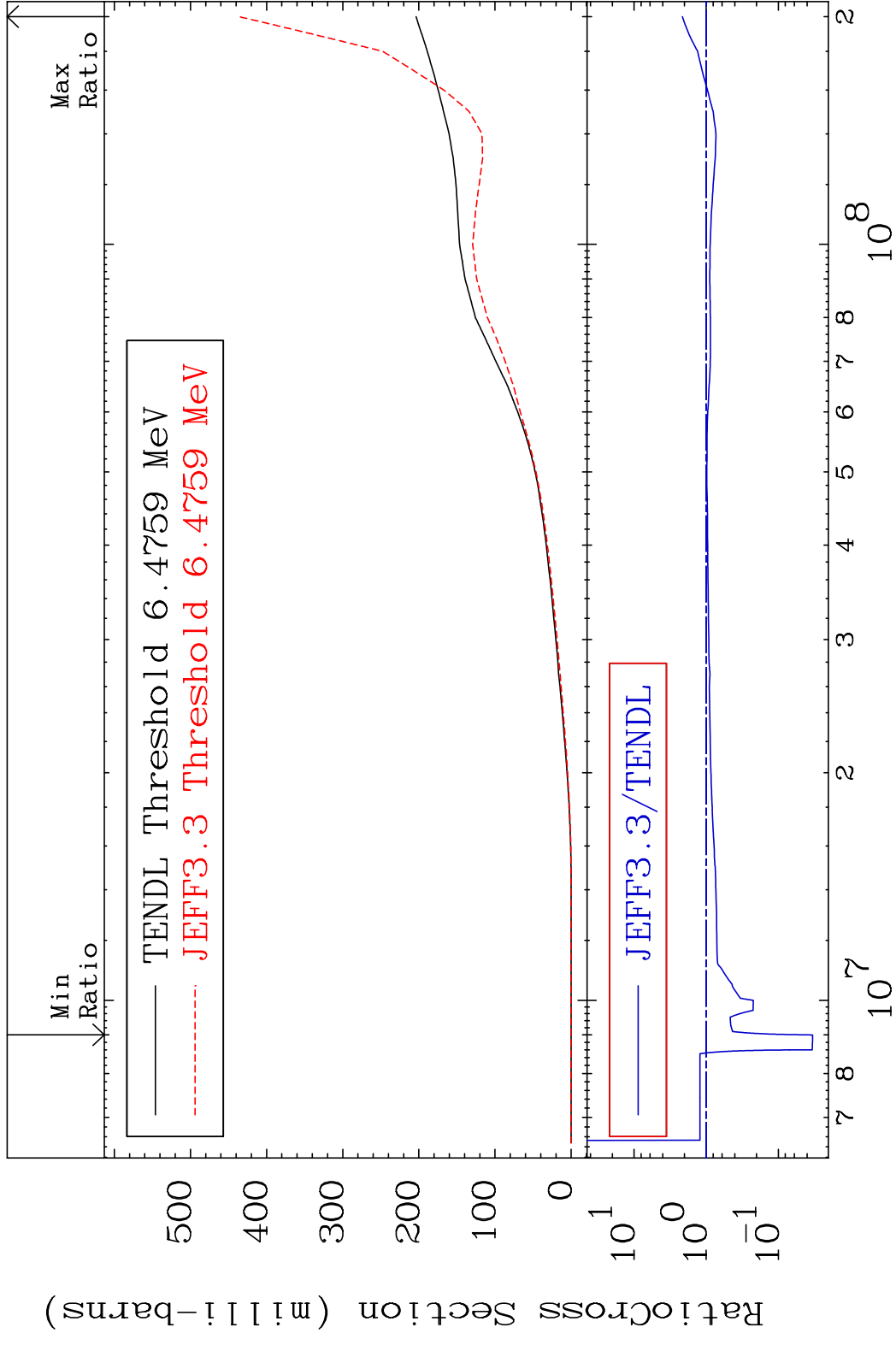
66-Dy-164

MAT 6649

Deuterium Production

66-Dy-164

Cross Section -96.65 To 113.8 %

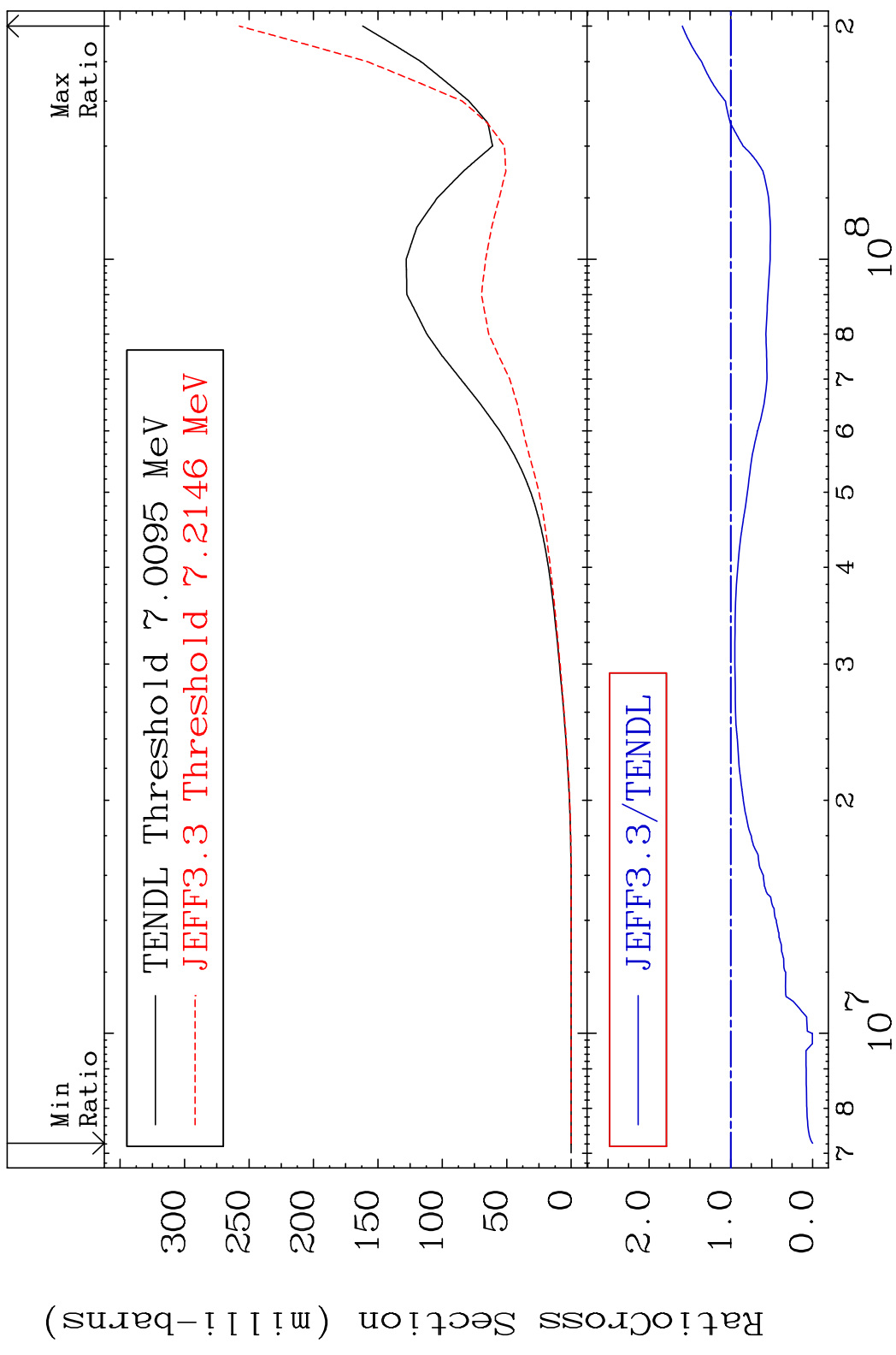


MAT 6649

Tritium Production

66-Dy-164

Cross Section -100.0 To 59.23 %



60

Incident Energy (eV)

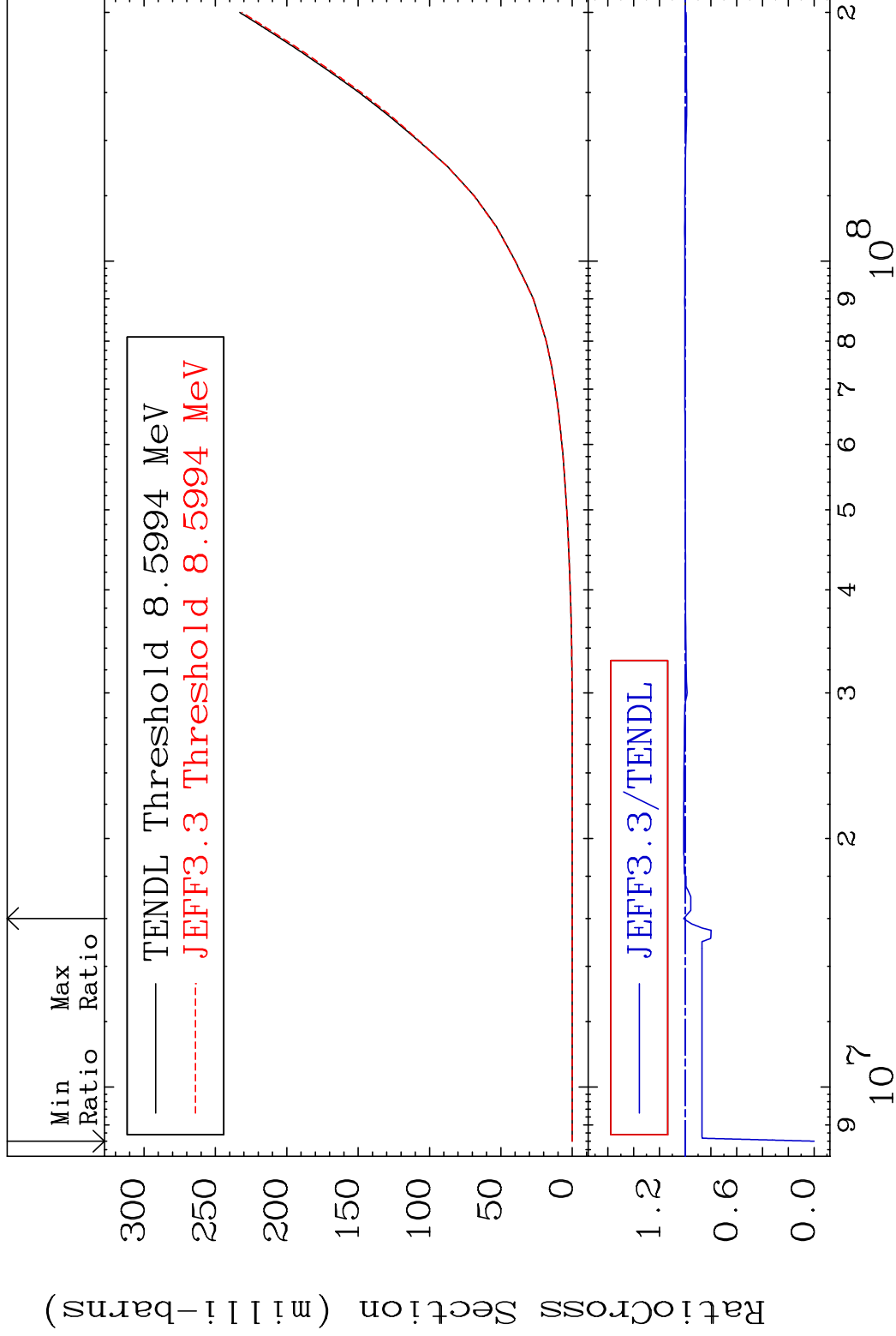
66-Dy-164

MAT 6649

He-3 Production

66-Dy-164

Cross Section -100.0 To 1.210 %



61

Incident Energy (eV)

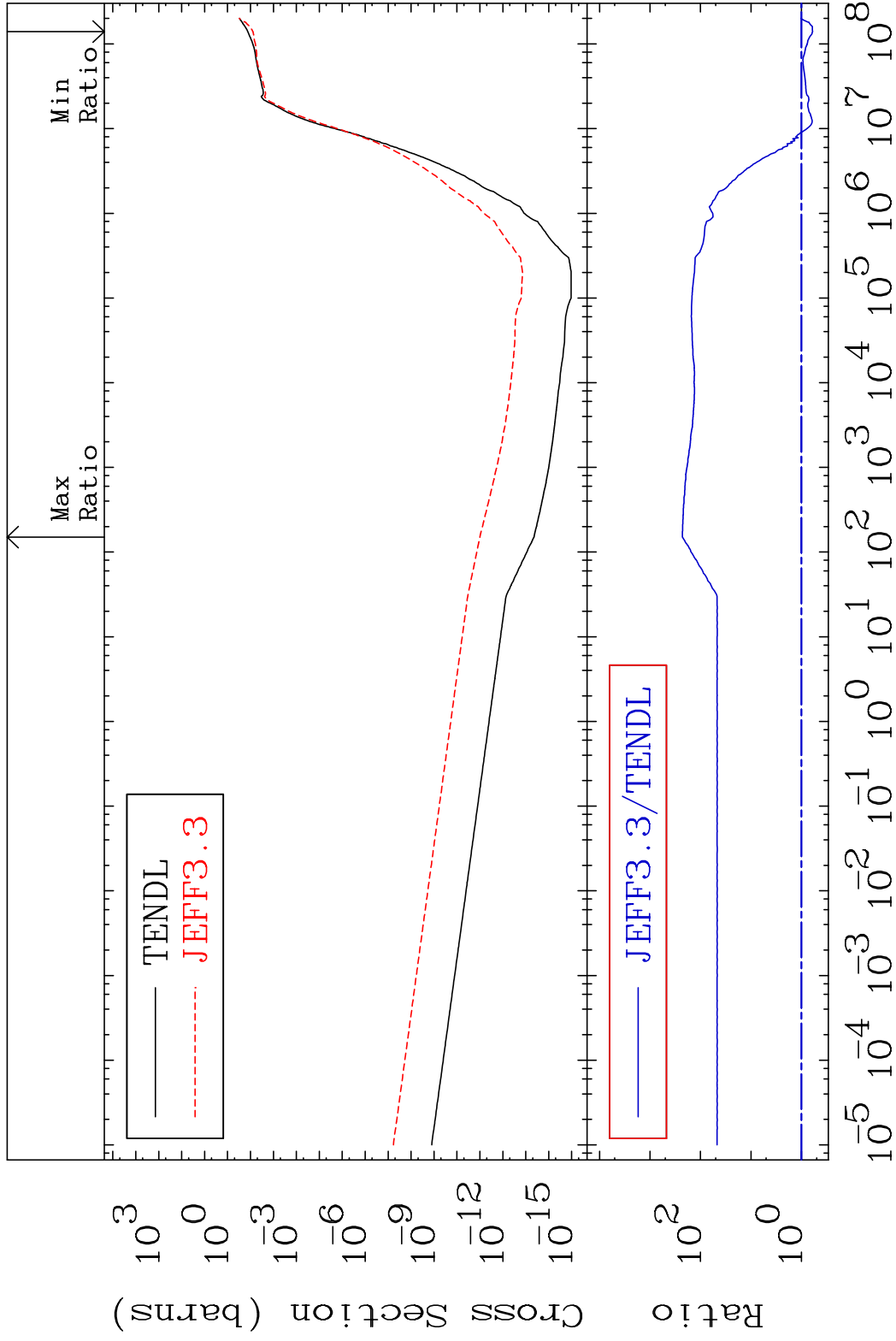
66-Dy-164

MAT 6649

He-4 Production

66-Dy-164

Cross Section -39.74 To 9999. %

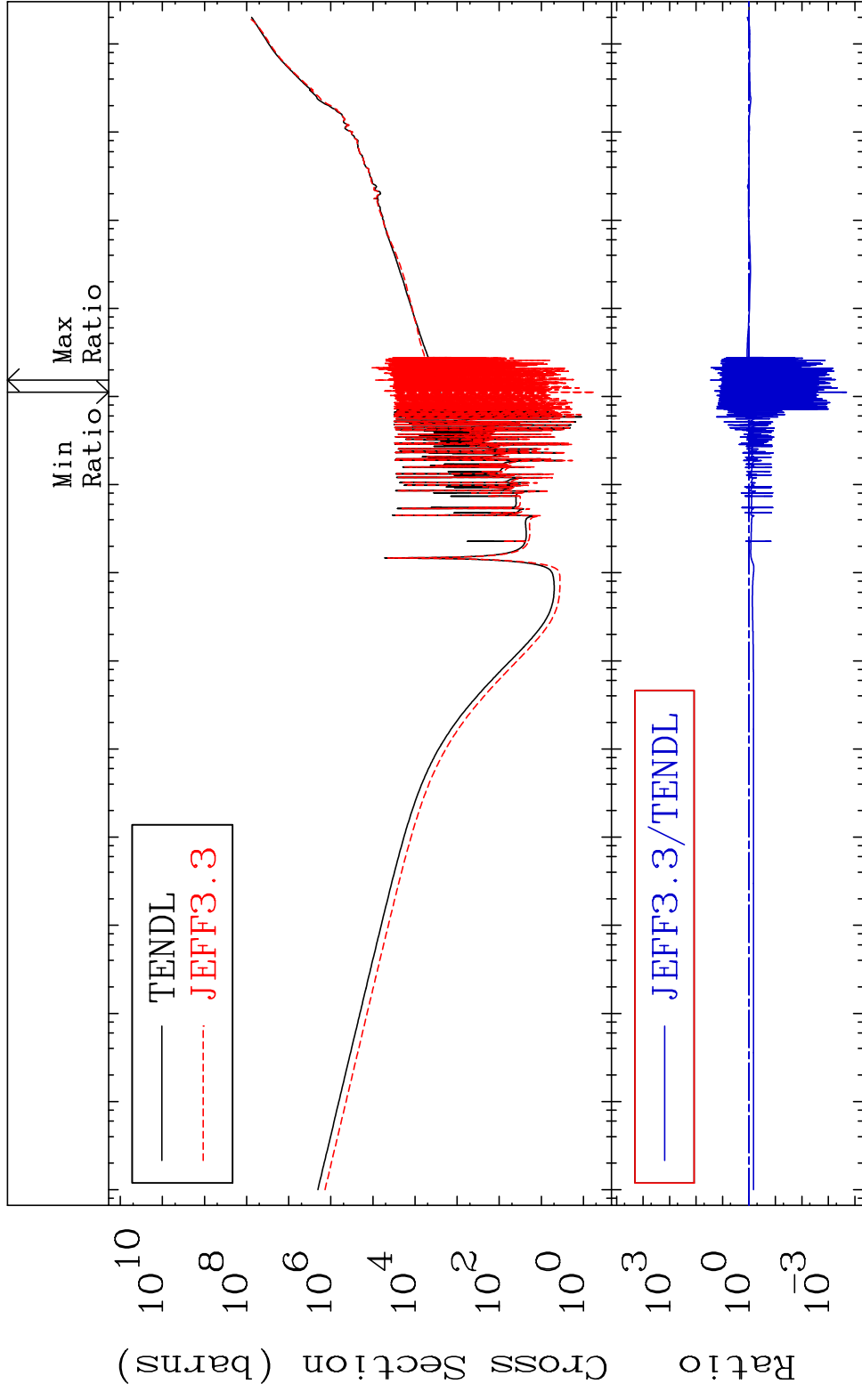


62

Incident Energy (eV)

66-Dy-164

MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section -99.98 To 2693. %

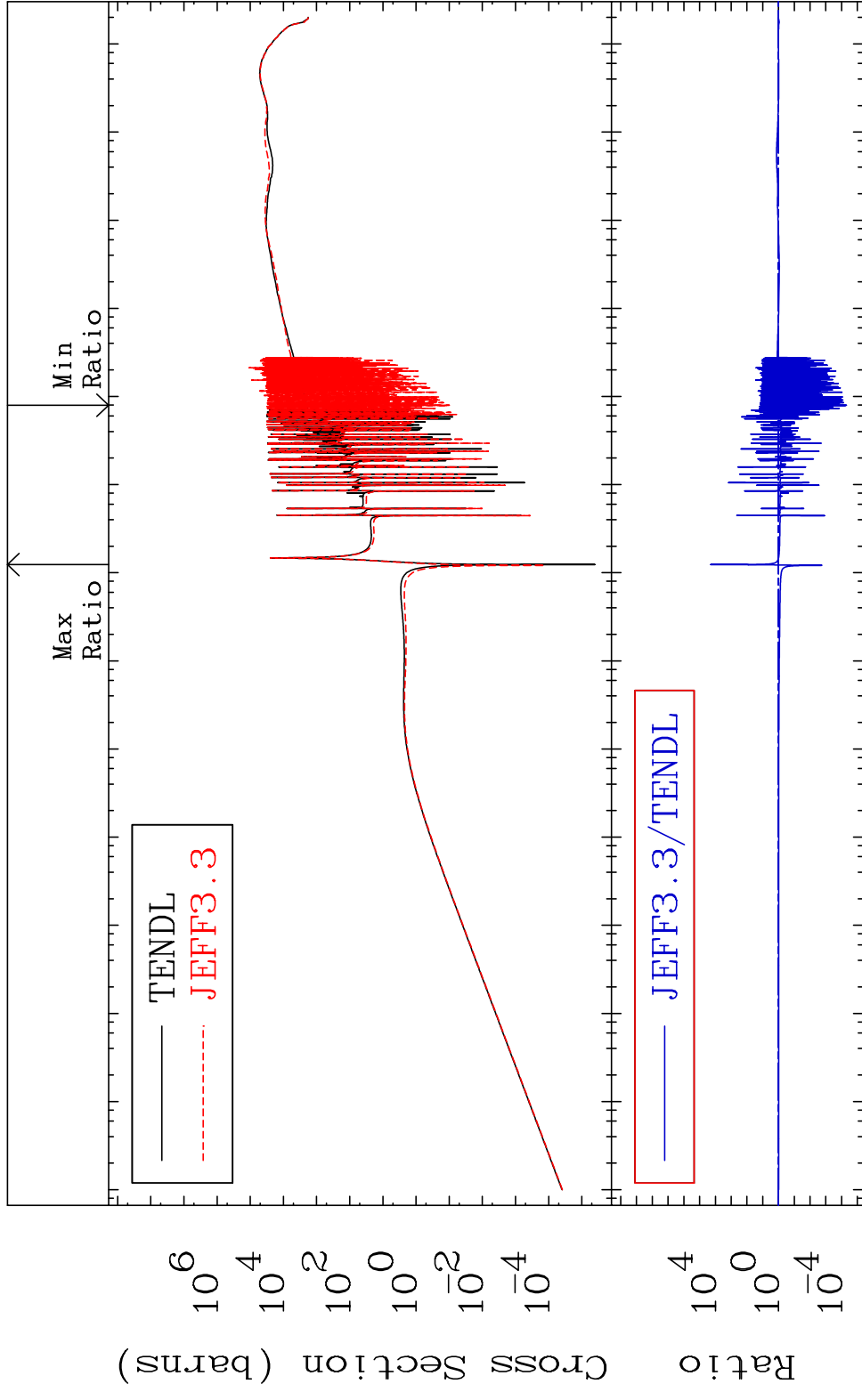


63 Incident Energy (eV) 66-Dy-164

MAT 6649

Kerma elastic
Cross Section

66-Dy-164
-99.99 To 9999. %



Cross Section (barns)
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}

Ratio
 10^4
 10^0
 10^{-4}

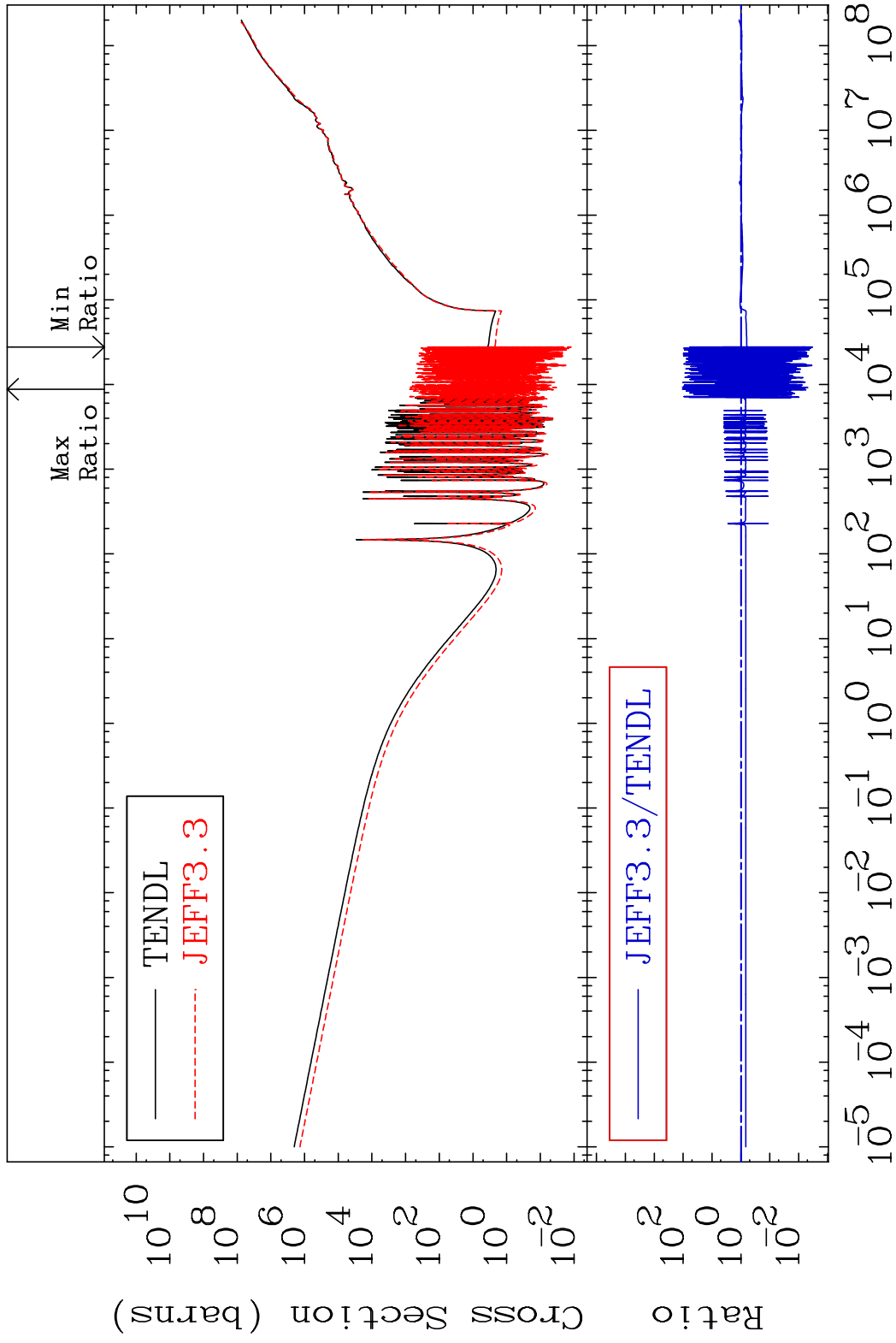
Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

64

Incident Energy (eV)

66-Dy-164

MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -99.67 To 9999. %



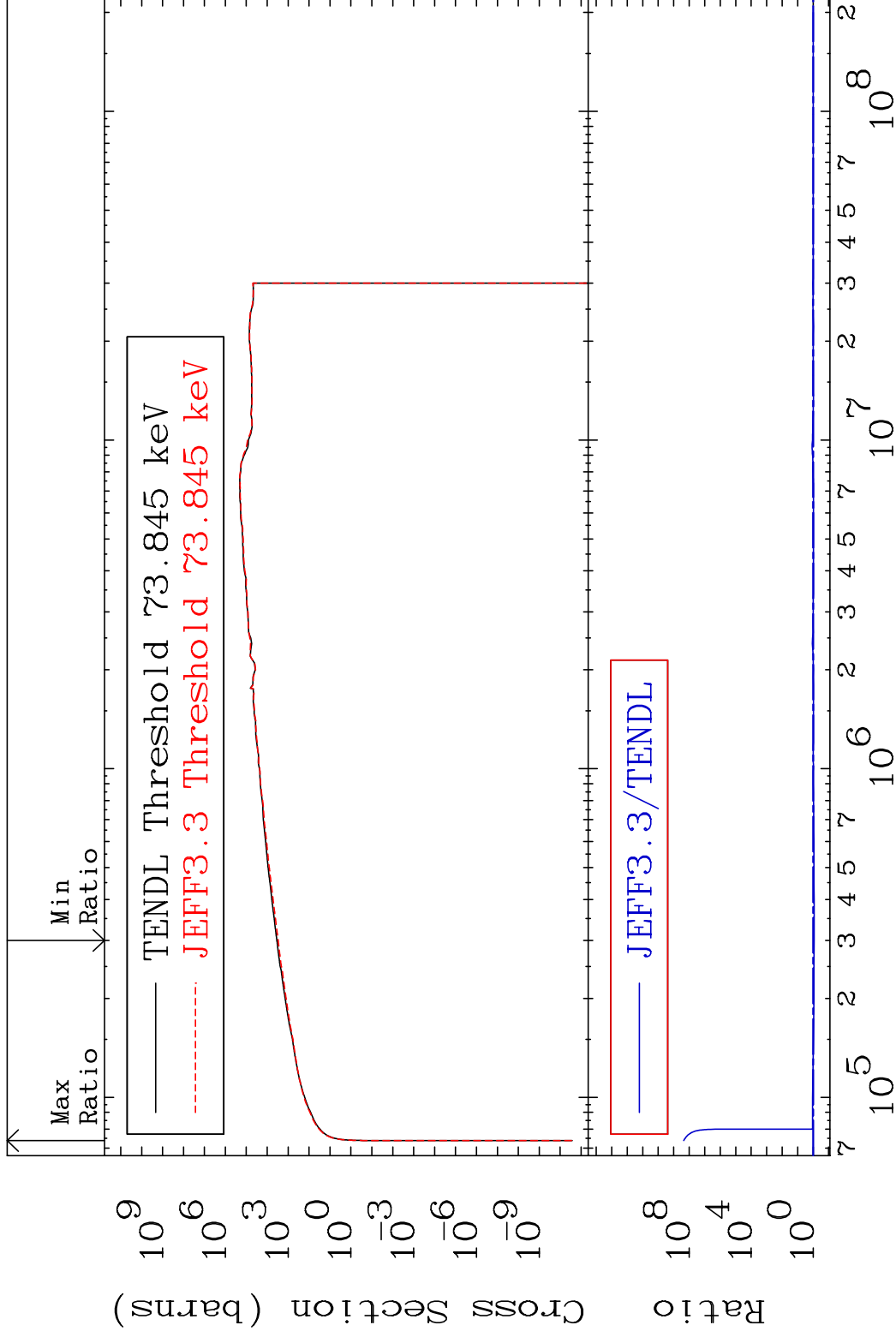
65 Incident Energy (eV) 66-Dy-164

MAT 6649

Kerma inelastic (mt51-91)

66-Dy-164

Cross Section -13.31 To 9999. %

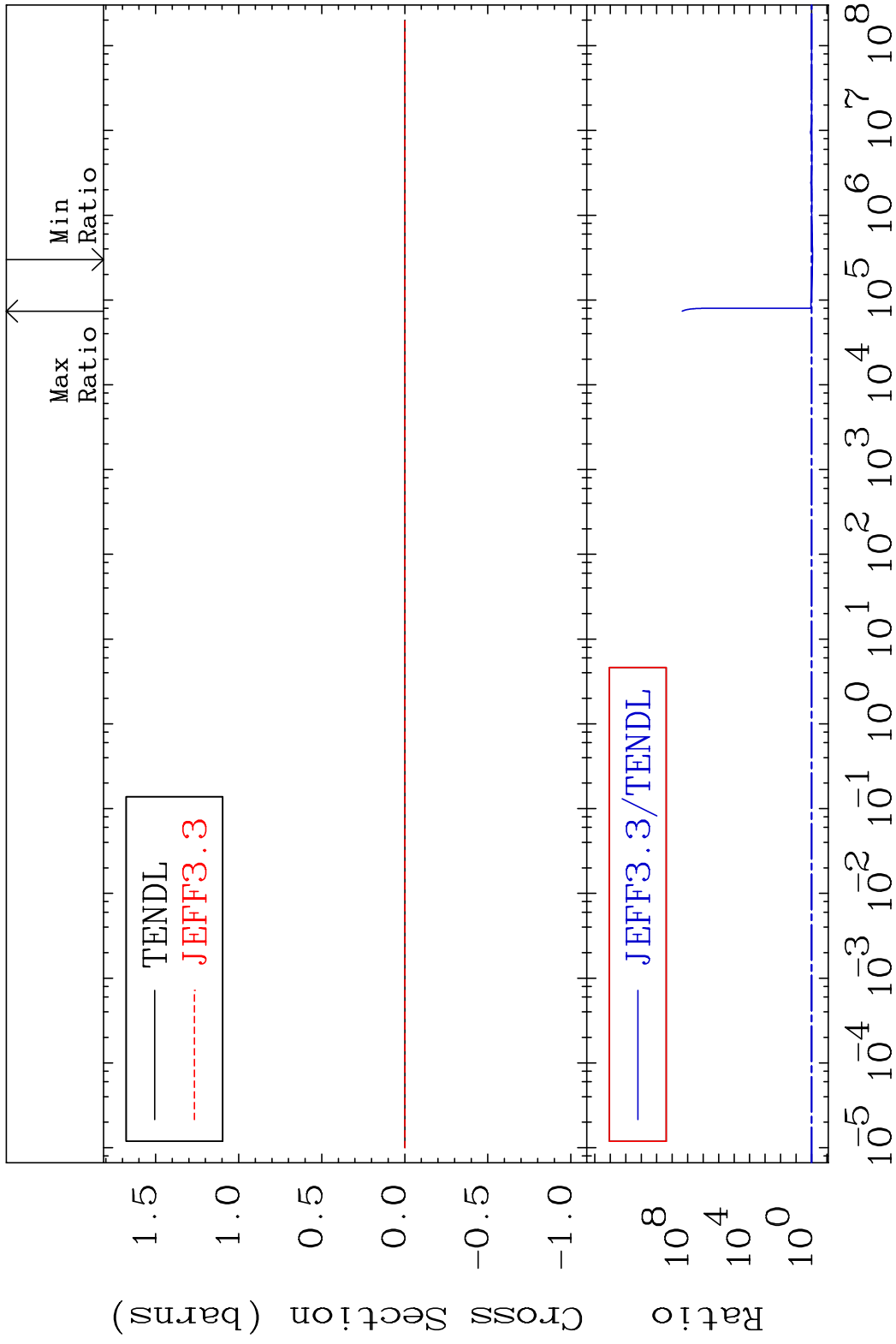


66

Incident Energy (eV)

66-Dy-164

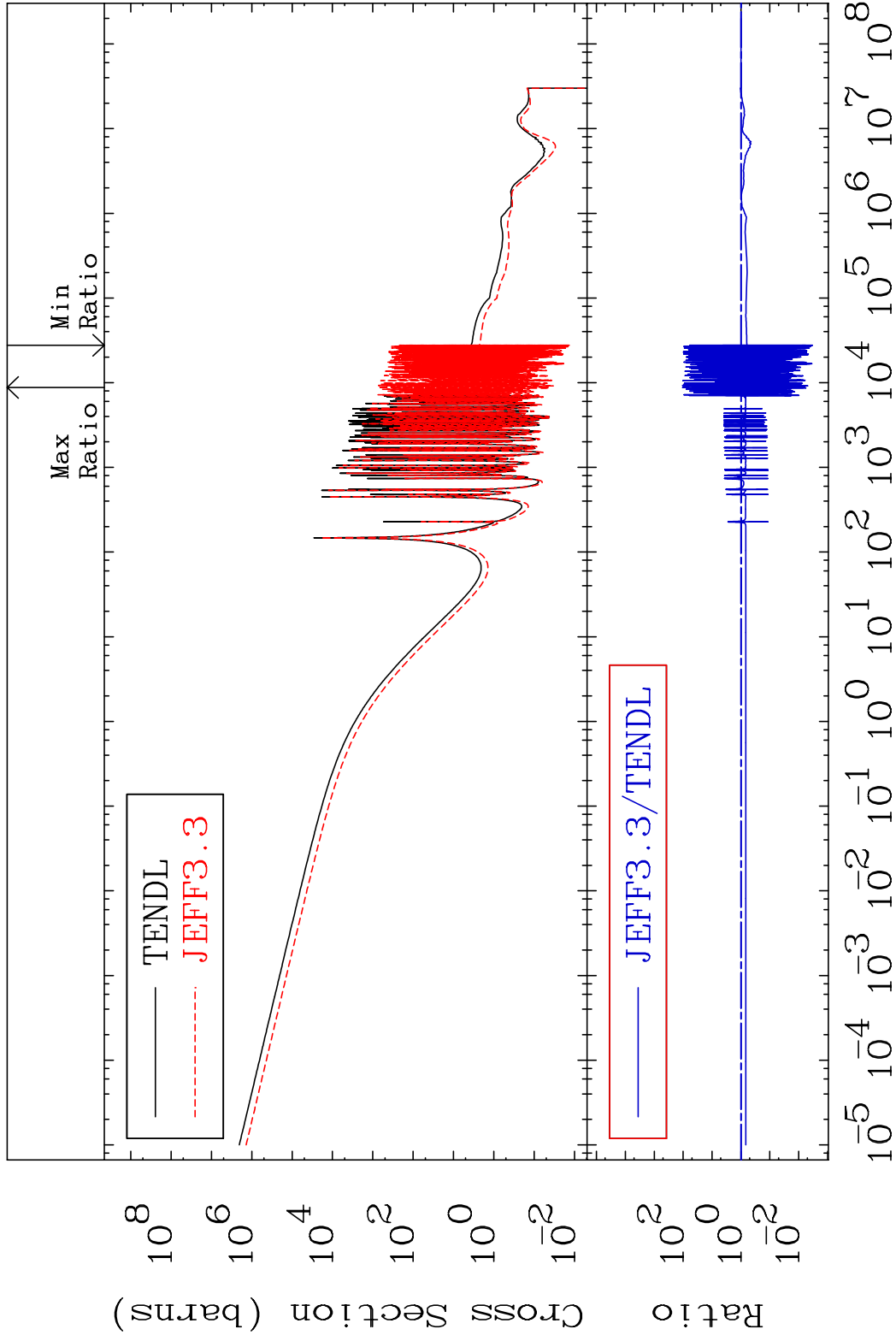
MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -13.31 To 9999. %



MAT 6649

Kerma capture (mt102) 66-Dy-164

Cross Section -99.67 To 9999. %



68

Incident Energy (eV)

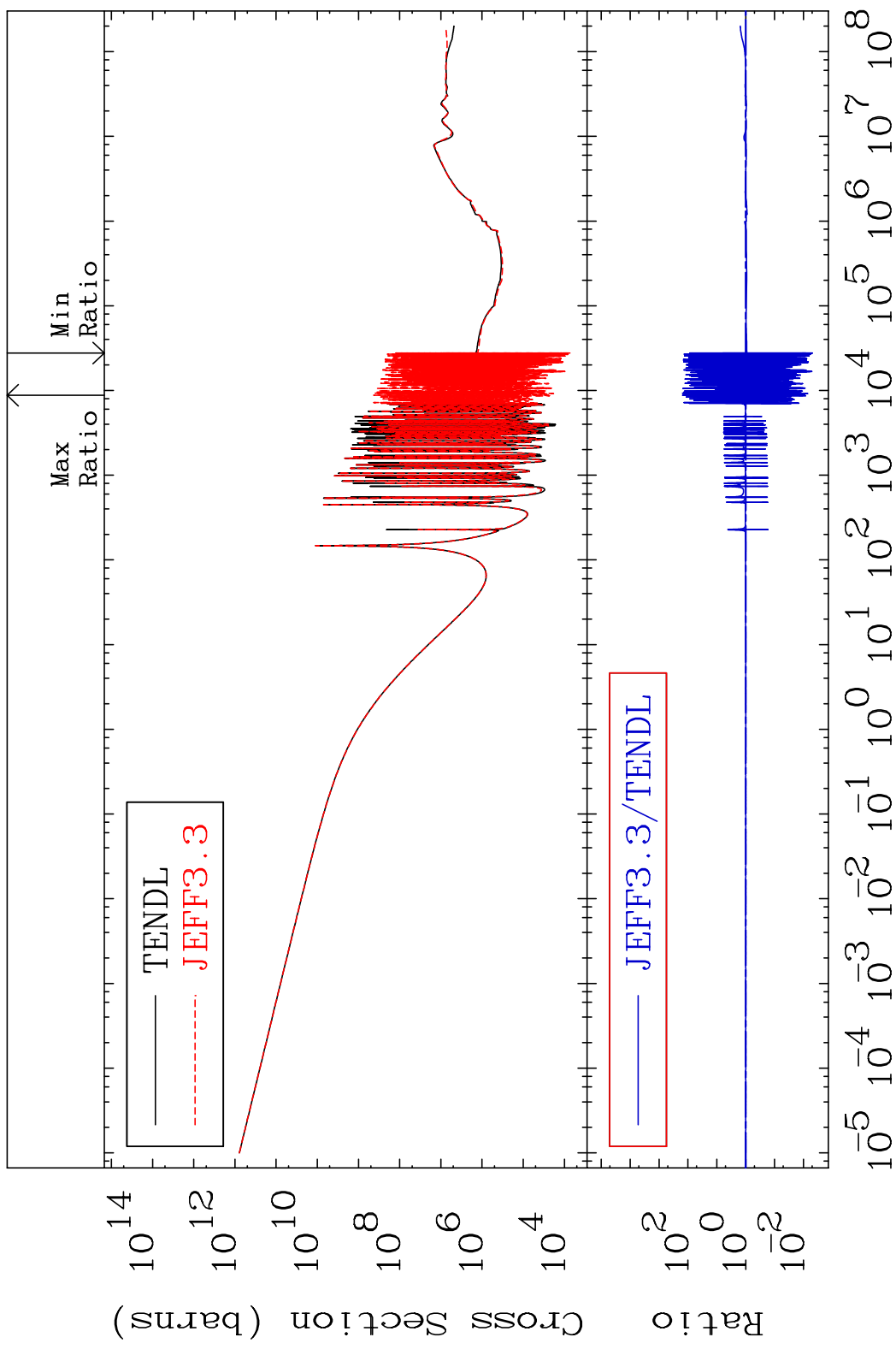
66-Dy-164

MAT 6649

Total photon (eV-barns)

66-Dy-164

Cross Section -99.52 To 9999. %

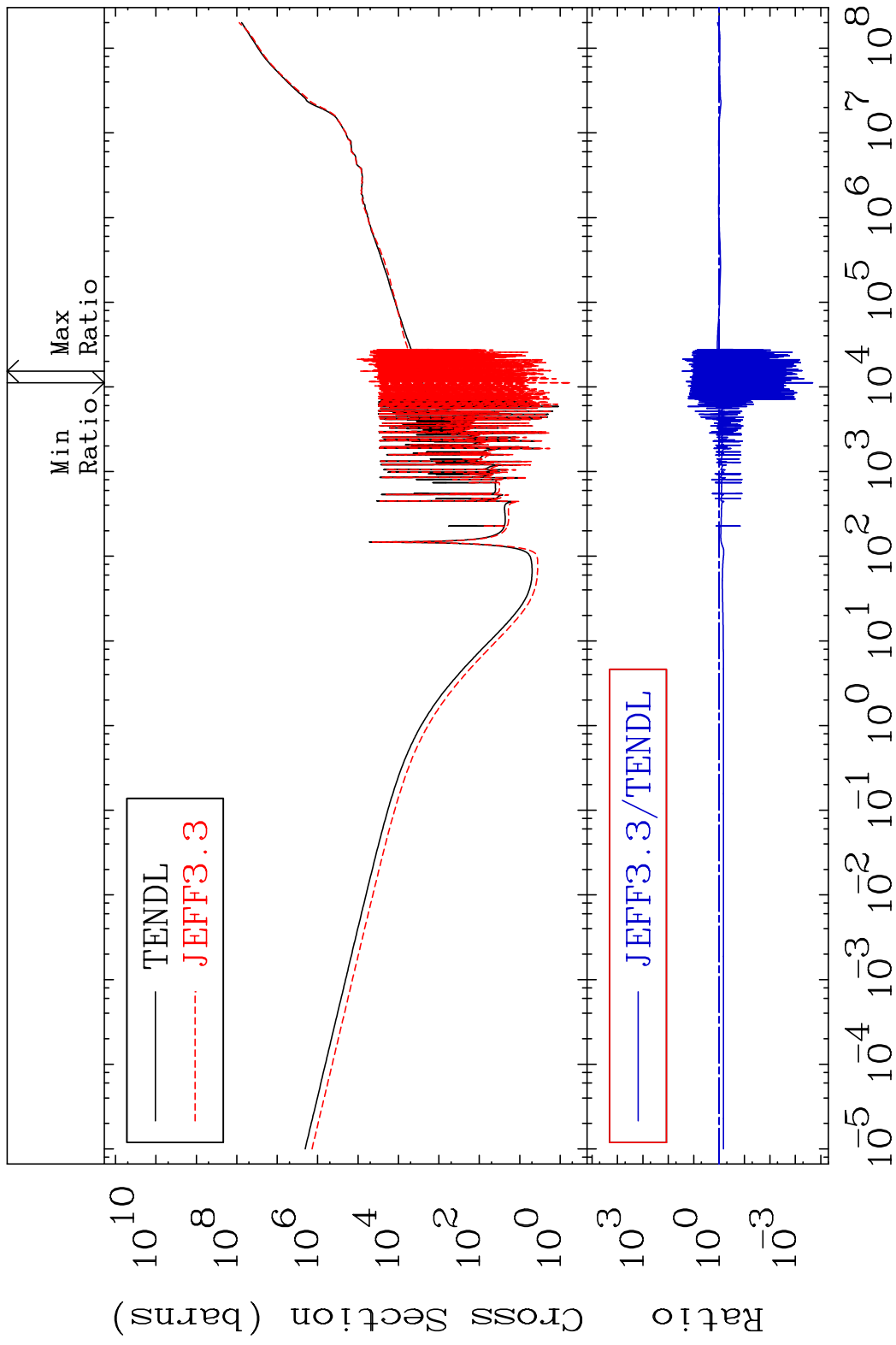


69

Incident Energy (eV)

66-Dy-164

MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
 Cross Section -99.98 To 2693. %



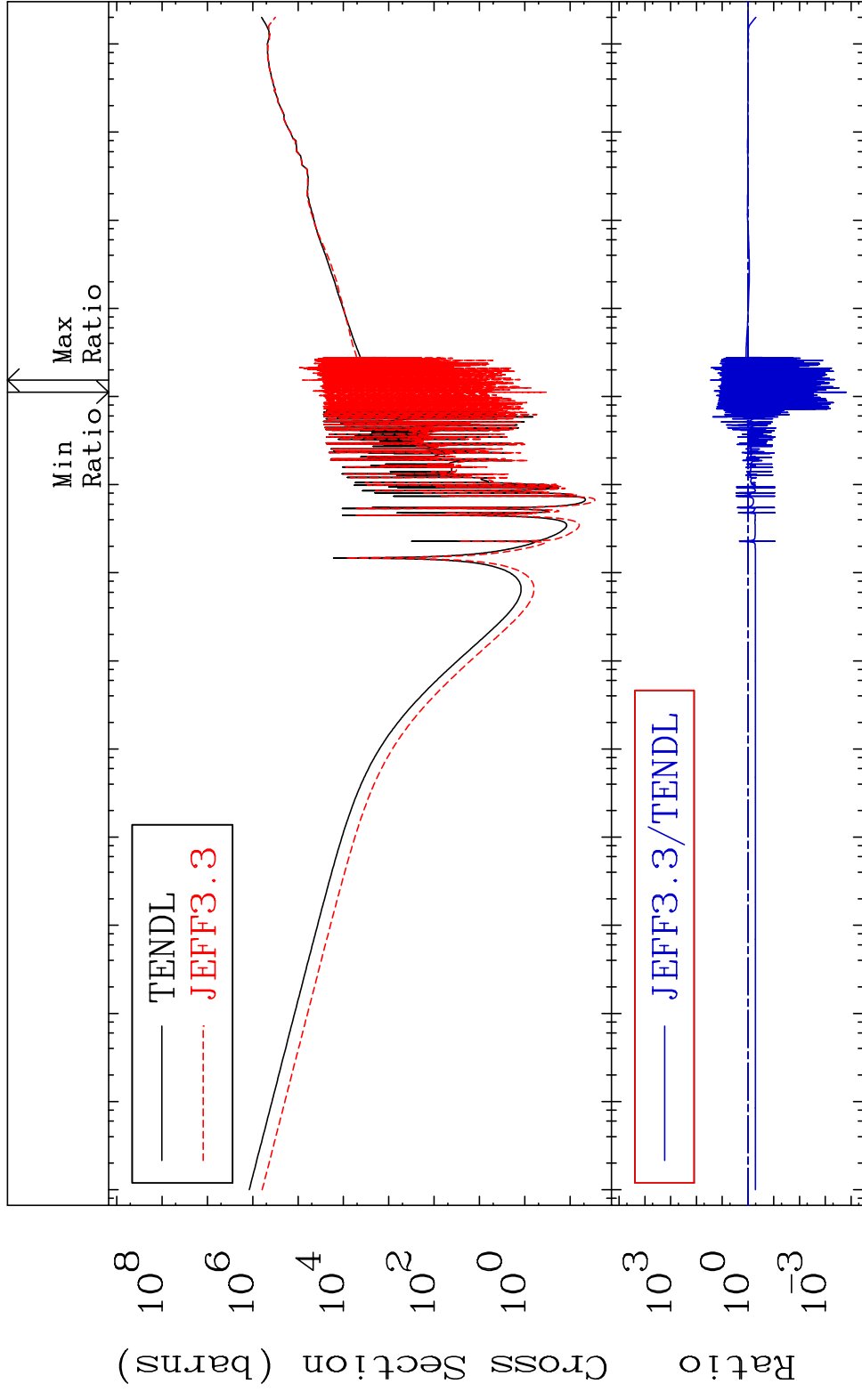
70 Incident Energy (eV) 66-Dy-164

MAT 6649

Dpa total (eV-barns)

66-Dy-164

Cross Section -99.98 To 2690. %



71

Incident Energy (eV)

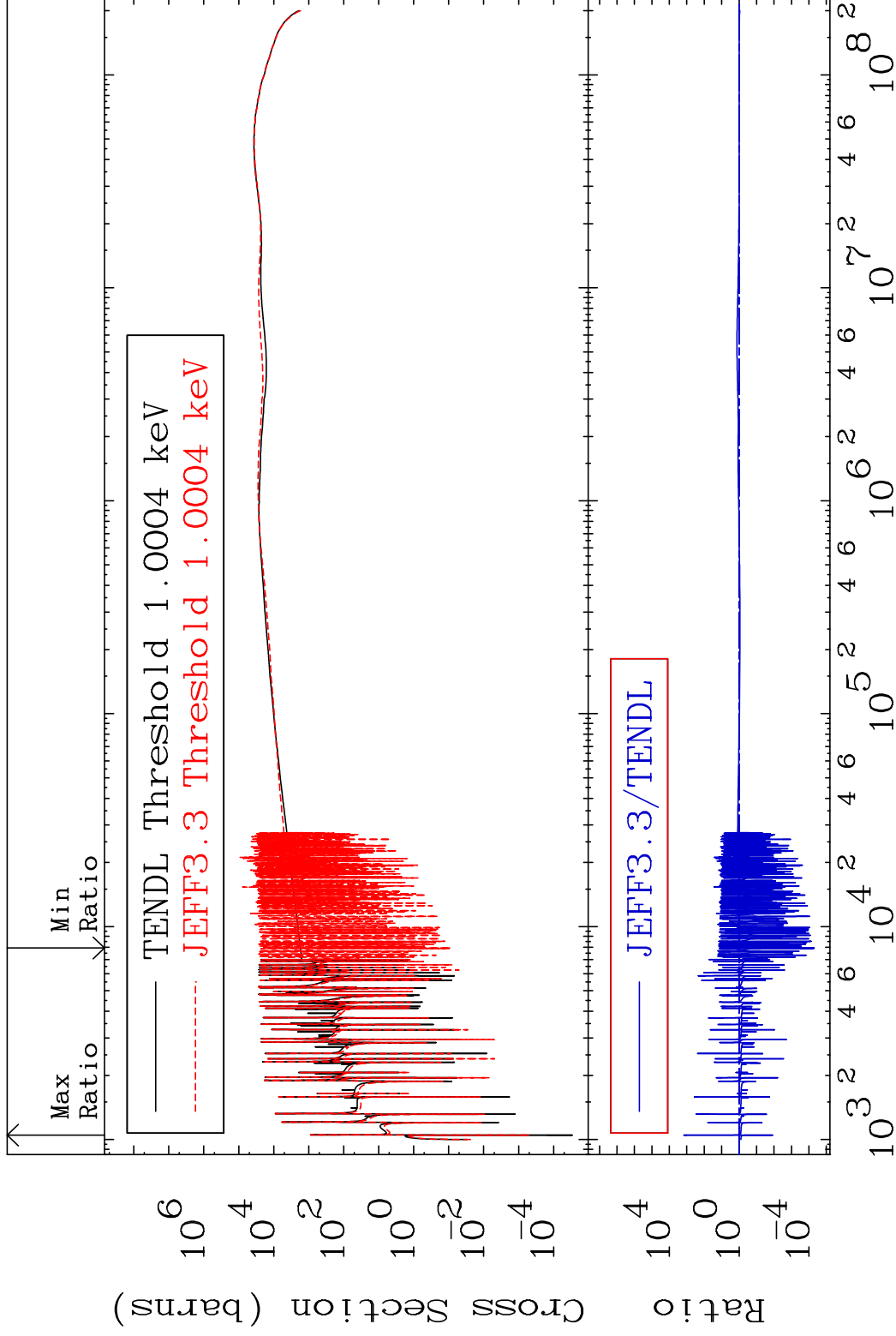
66-Dy-164

MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %



72

Incident Energy (eV)

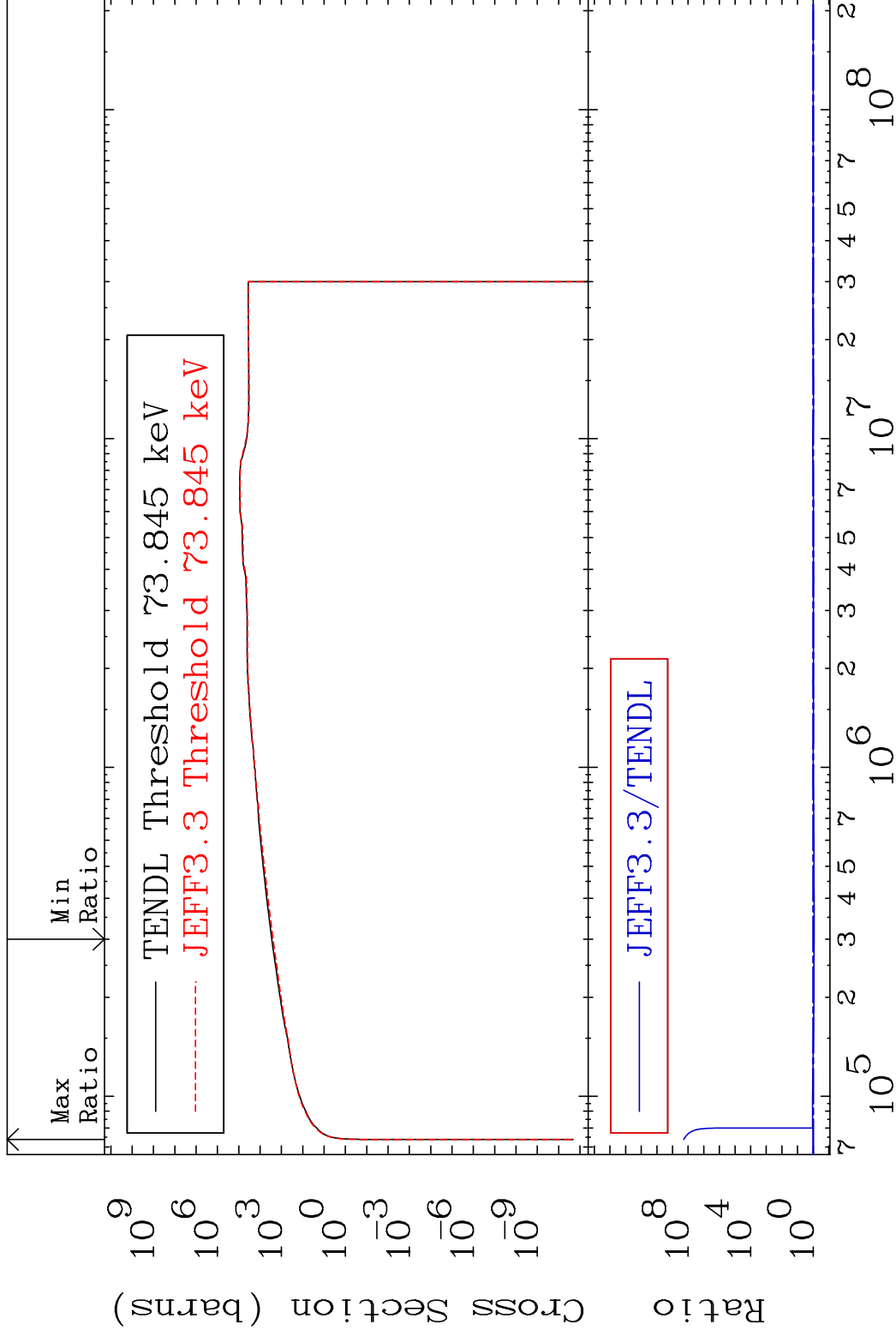
66-Dy-164

MAT 6649

Dpa inelastic (mt51-91)

66-Dy-164

Cross Section -13.26 To 9999. %



73

Incident Energy (eV)

66-Dy-164

MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -99.74 To 8161. %

