

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

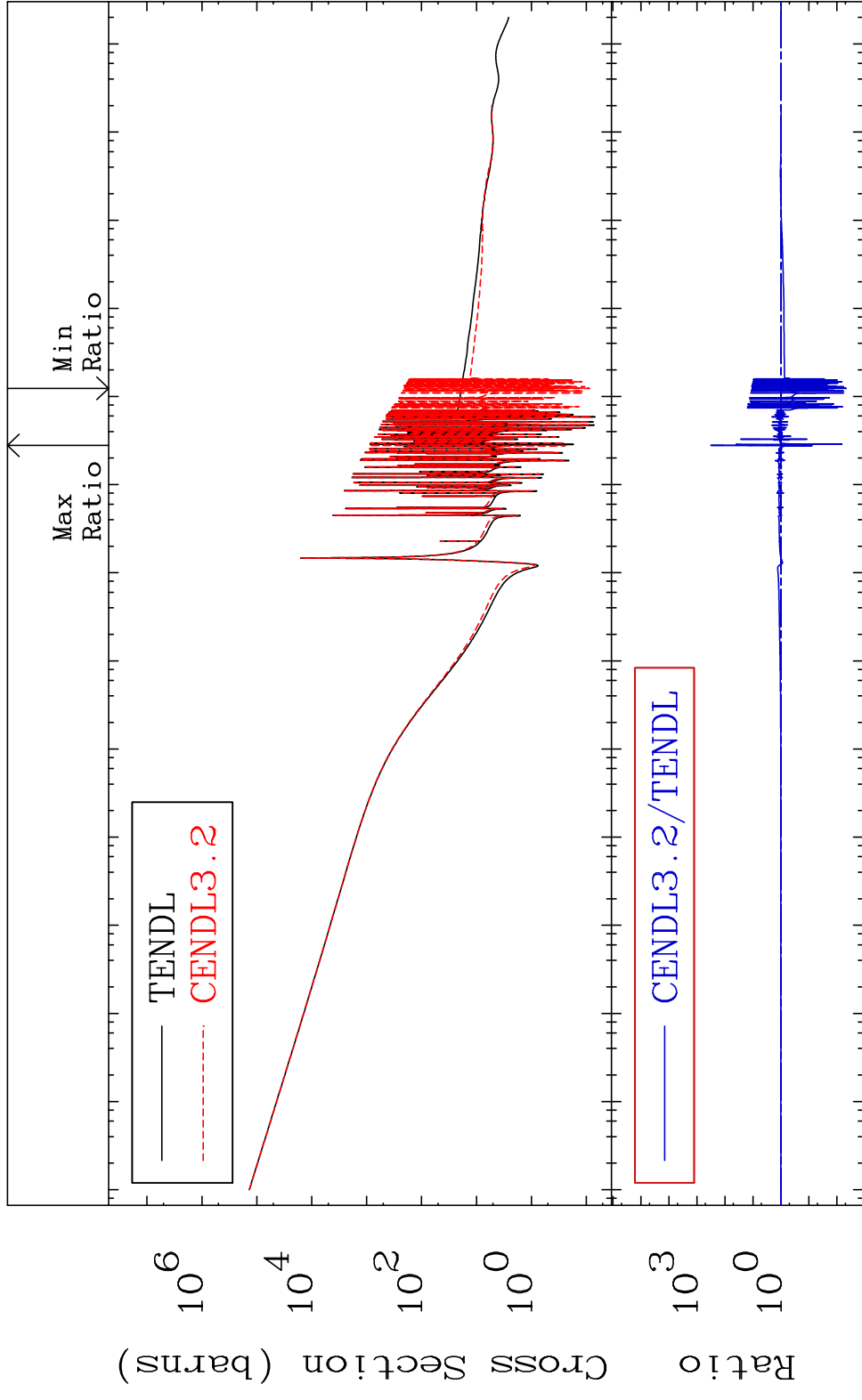
MAT 6649

Total

66-Dy-164

Cross Section

-99.54 To 9999. %



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

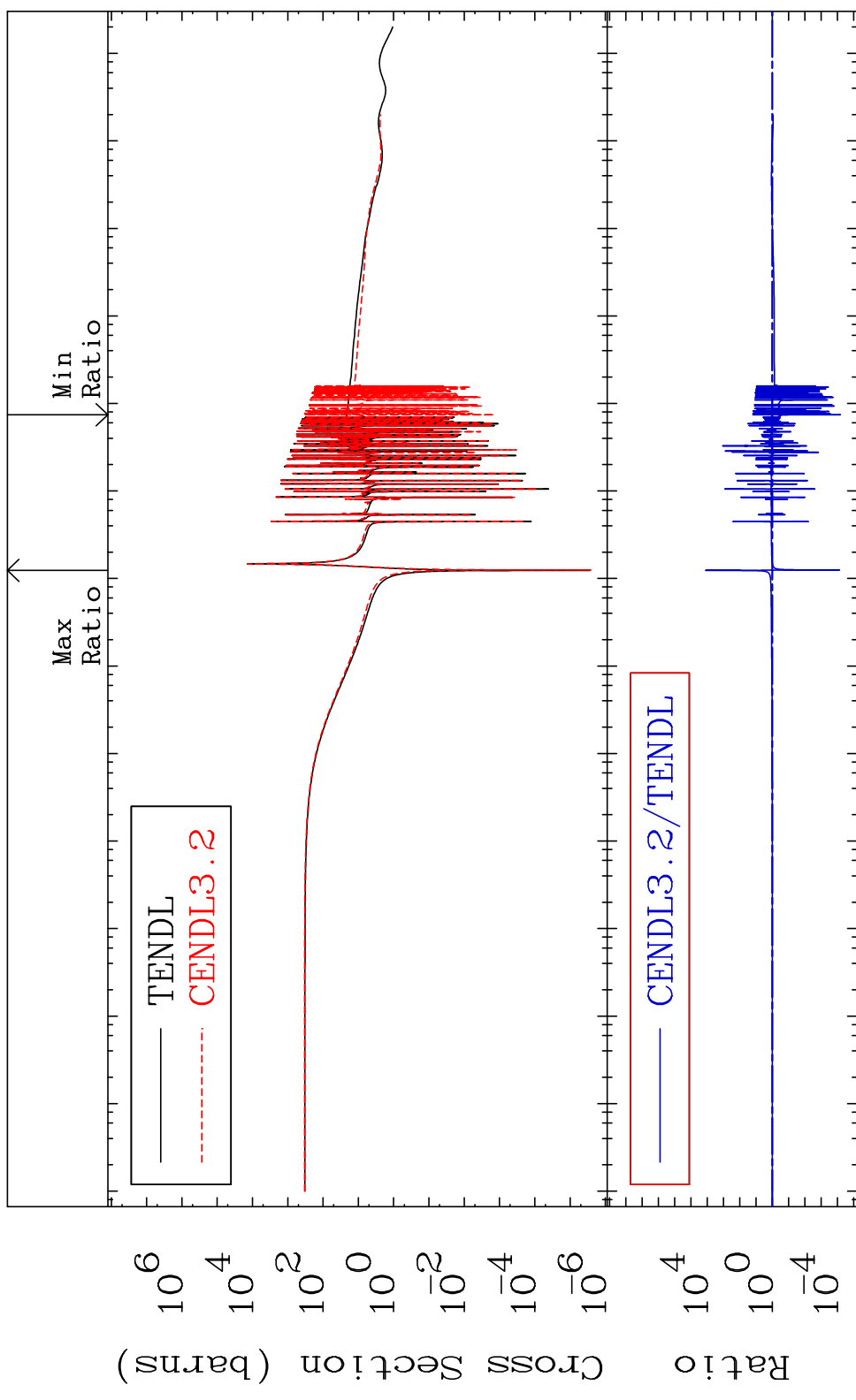
1

Incident Energy (eV)

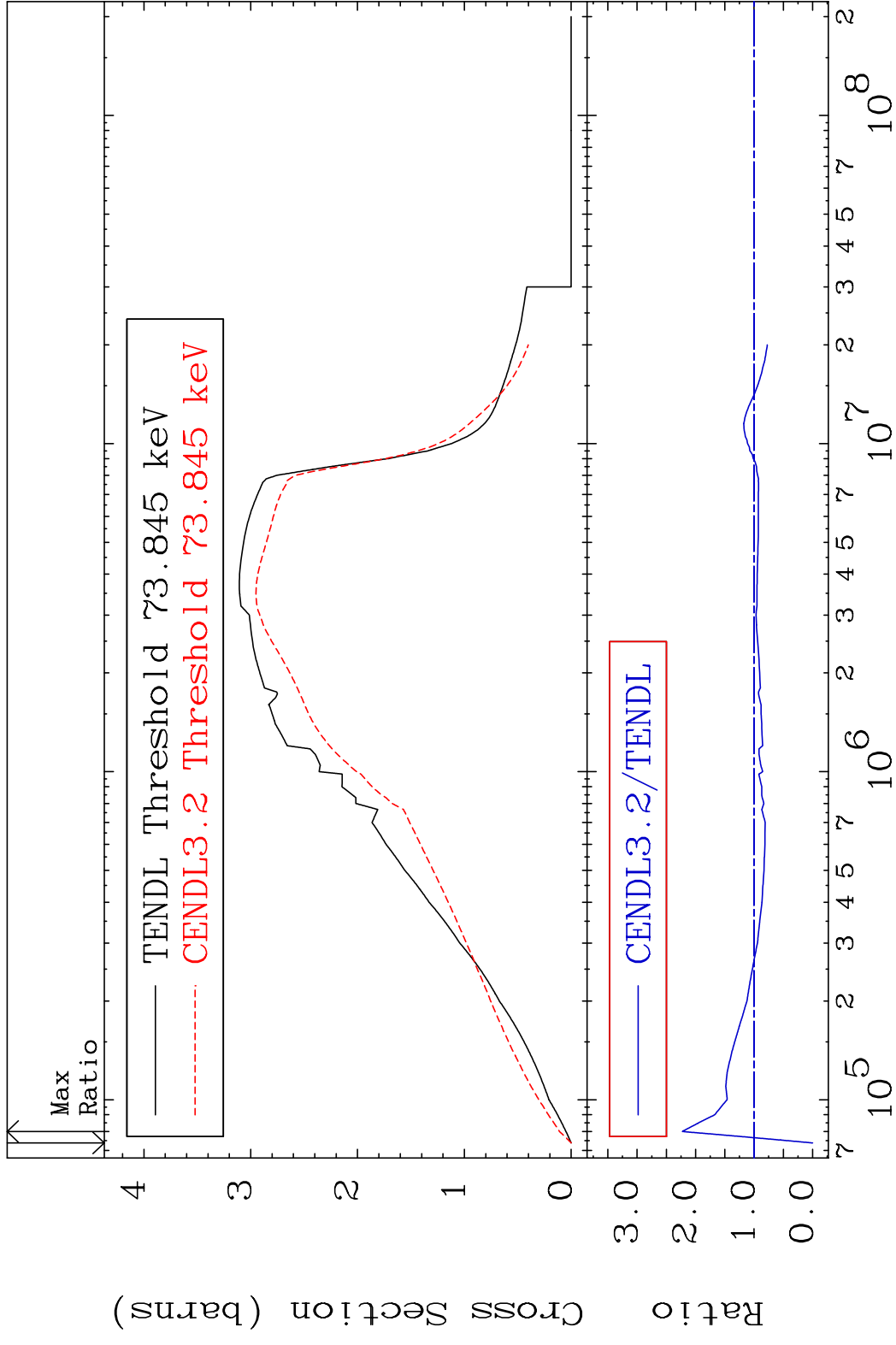
66-Dy-164

MAT 6649

Elastic Cross Section 66-Dy-164
-99.99 To 9999. %



MAT 6649 Inelastic 66-Dy-164
 Cross Section -100.0 To 122.6 %



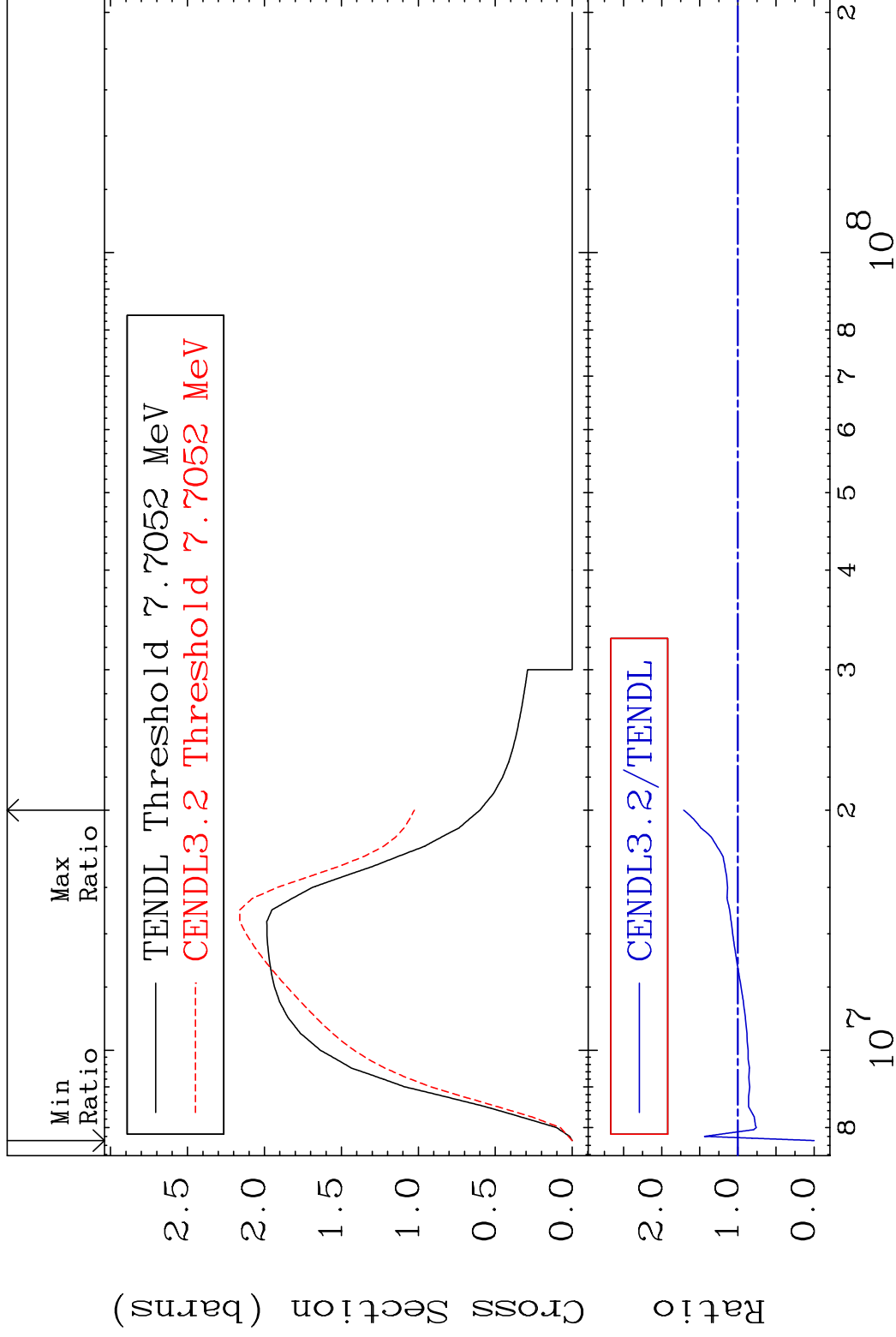
3 Incident Energy (eV) 66-Dy-164

MAT 6649

(n,2n)

66-Dy-164

Cross Section -100.0 To 71.13 %



4

Incident Energy (eV)

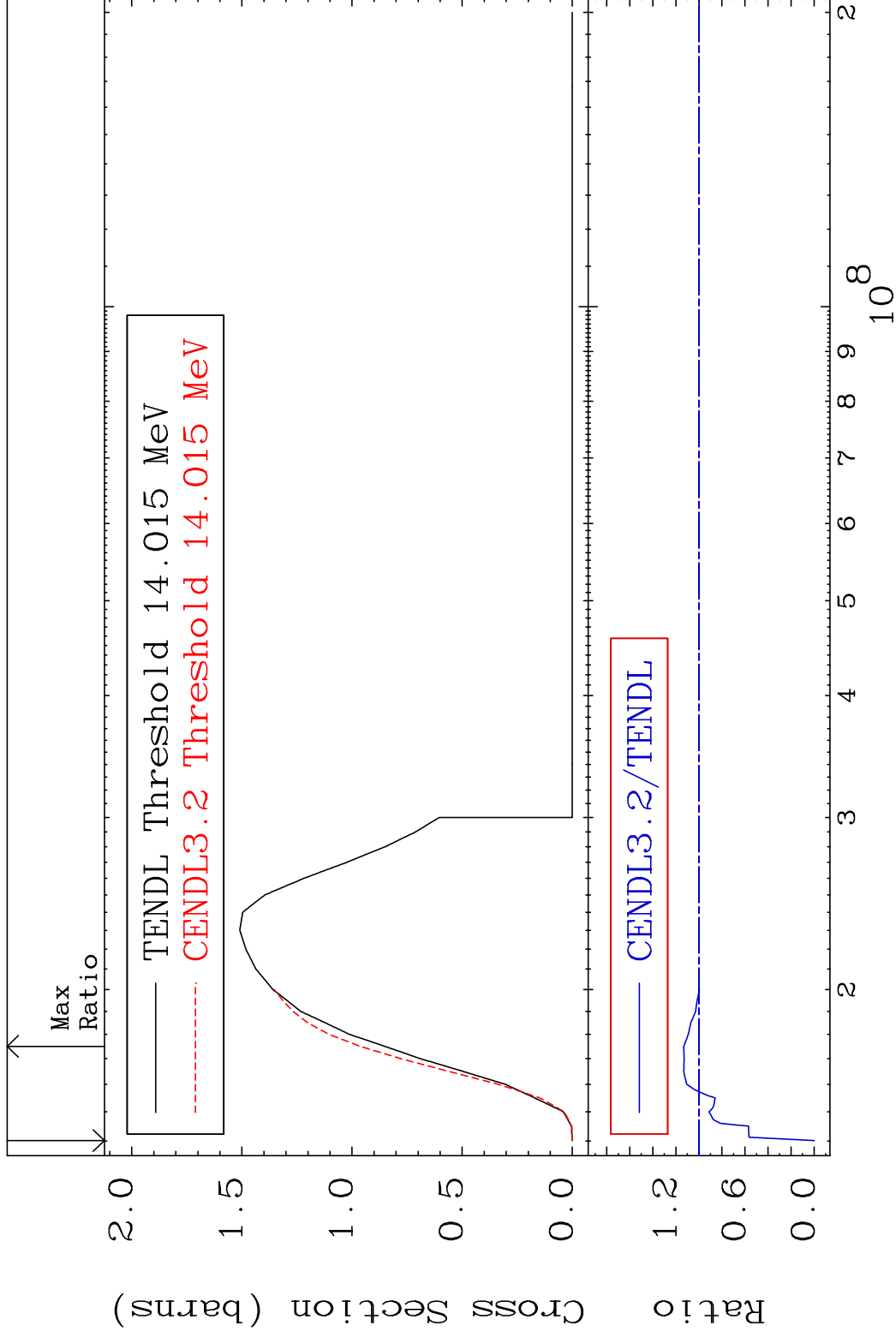
66-Dy-164

MAT 6649

(n,3n)

66-Dy-164

Cross Section -100.0 To 13.22 %

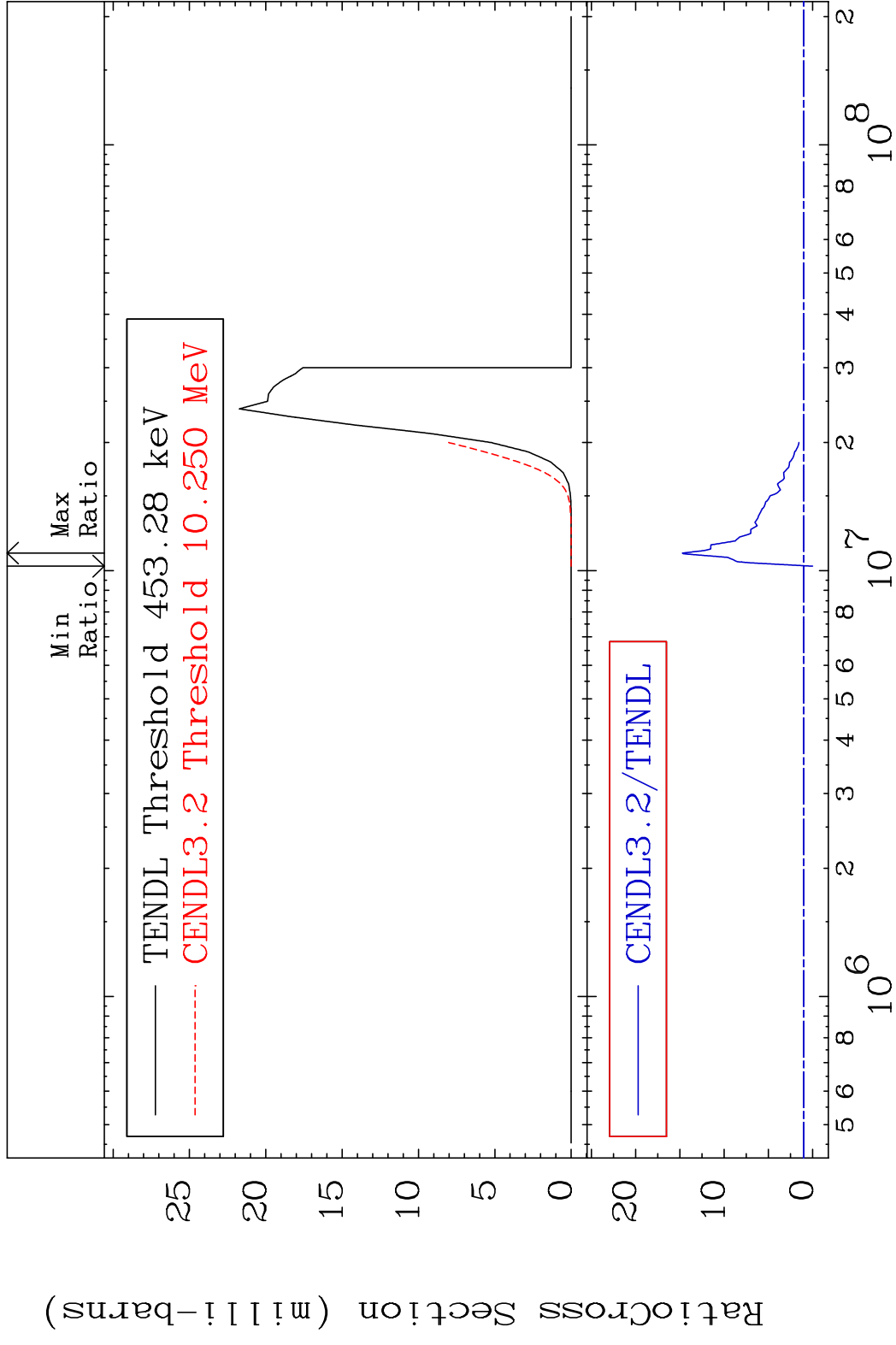


5

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, n') α 66-Dy-164
 Cross Section -100.0 To 1371. %



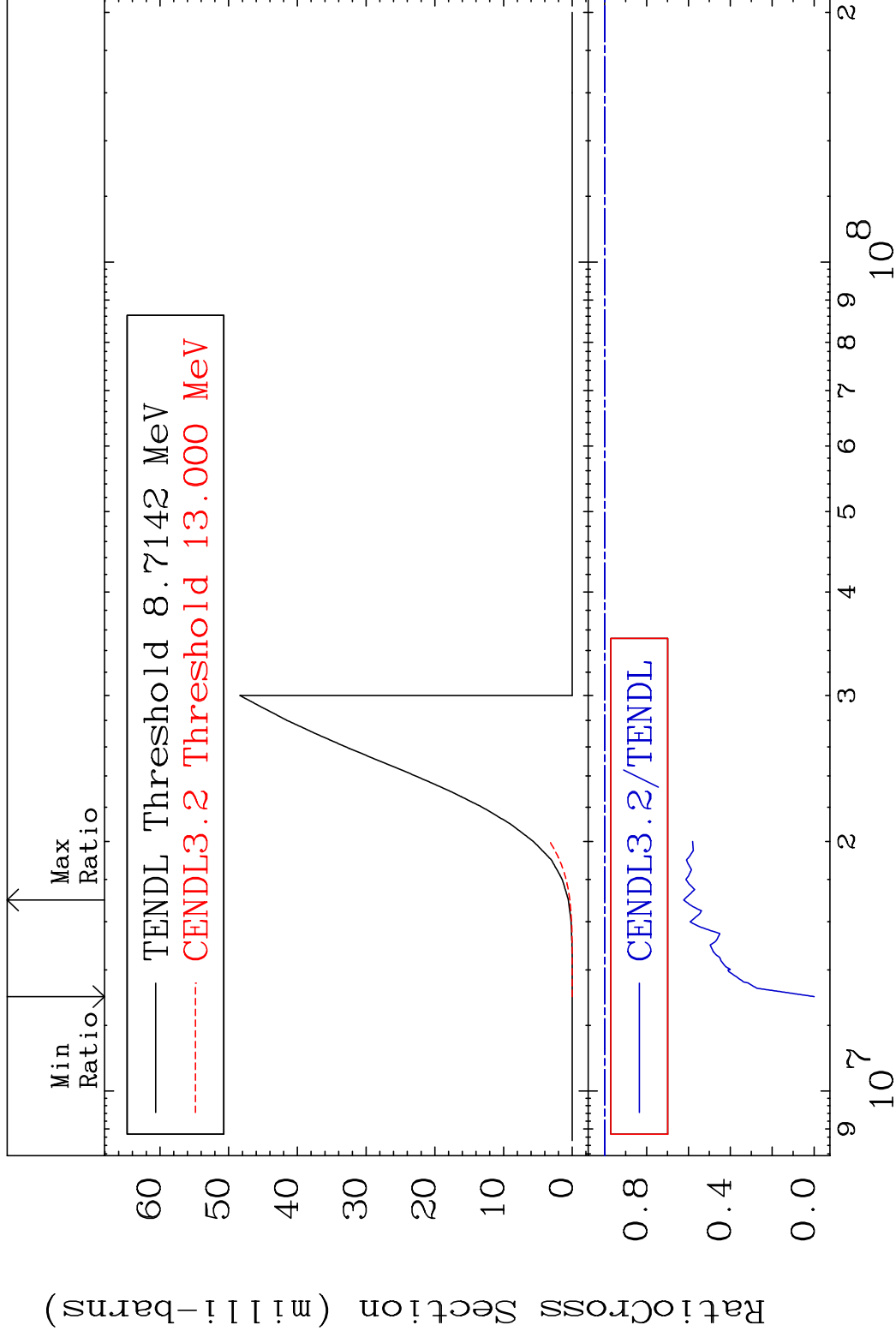
6 Incident Energy (eV) 66-Dy-164

MAT 6649

(n, n') p

66-Dy-164

Cross Section -100.0 To -37.71%

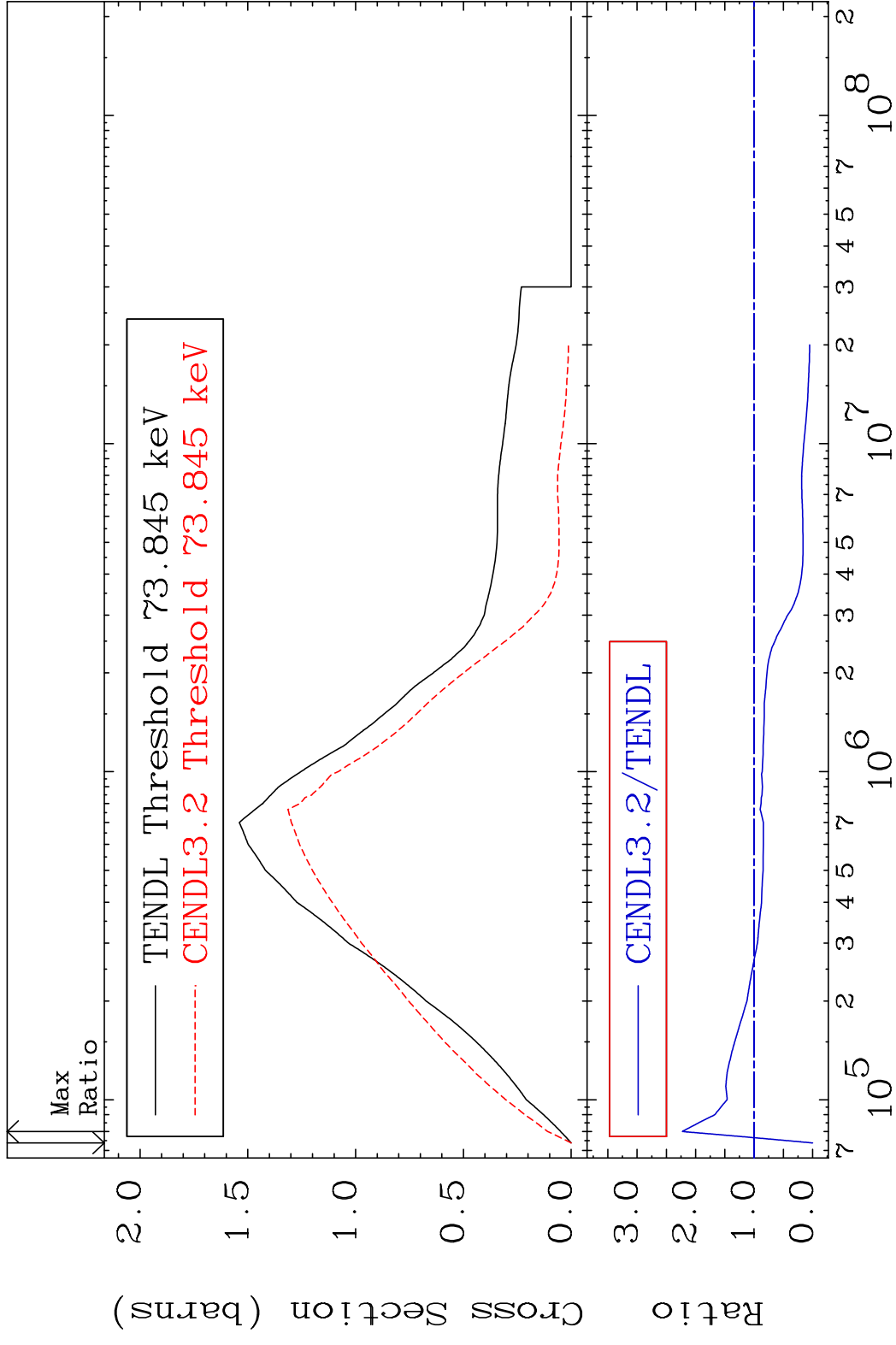


7

Incident Energy (eV)

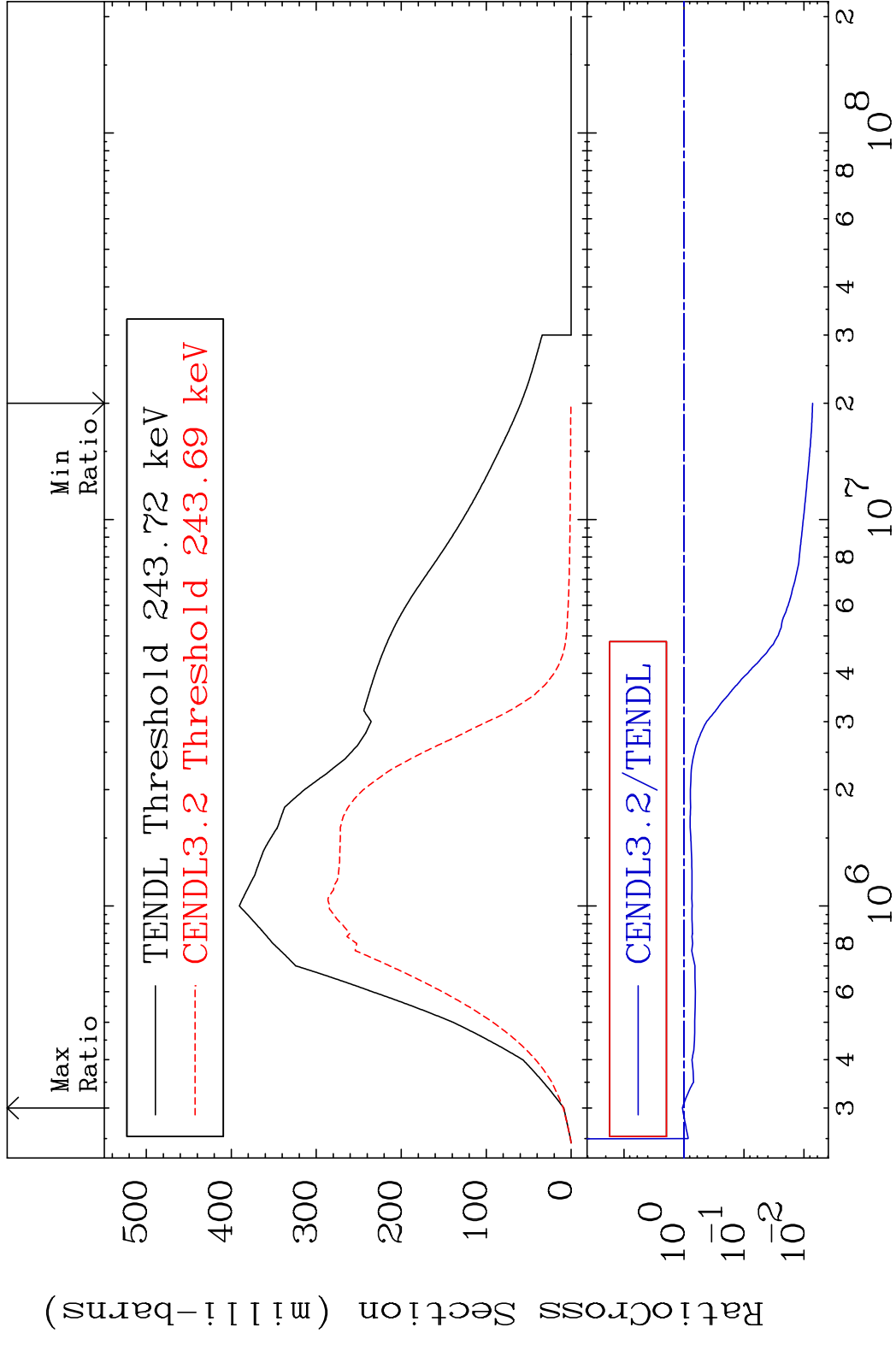
66-Dy-164

MAT 6649 MT= 51 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 122.6 %

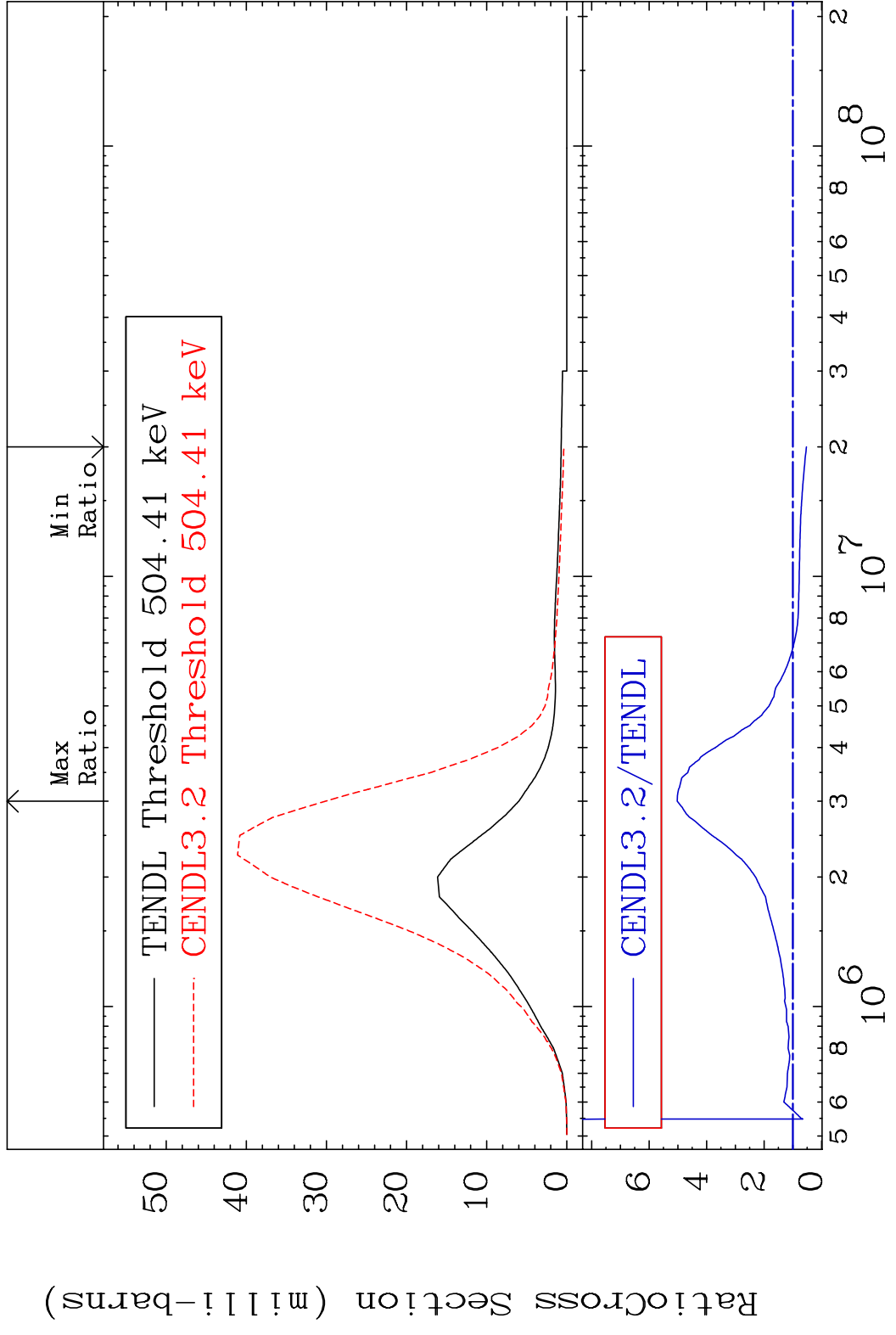


8 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 52 (n, n') Level 66-Dy-164
 Cross Section -99.28 To 6.342 %

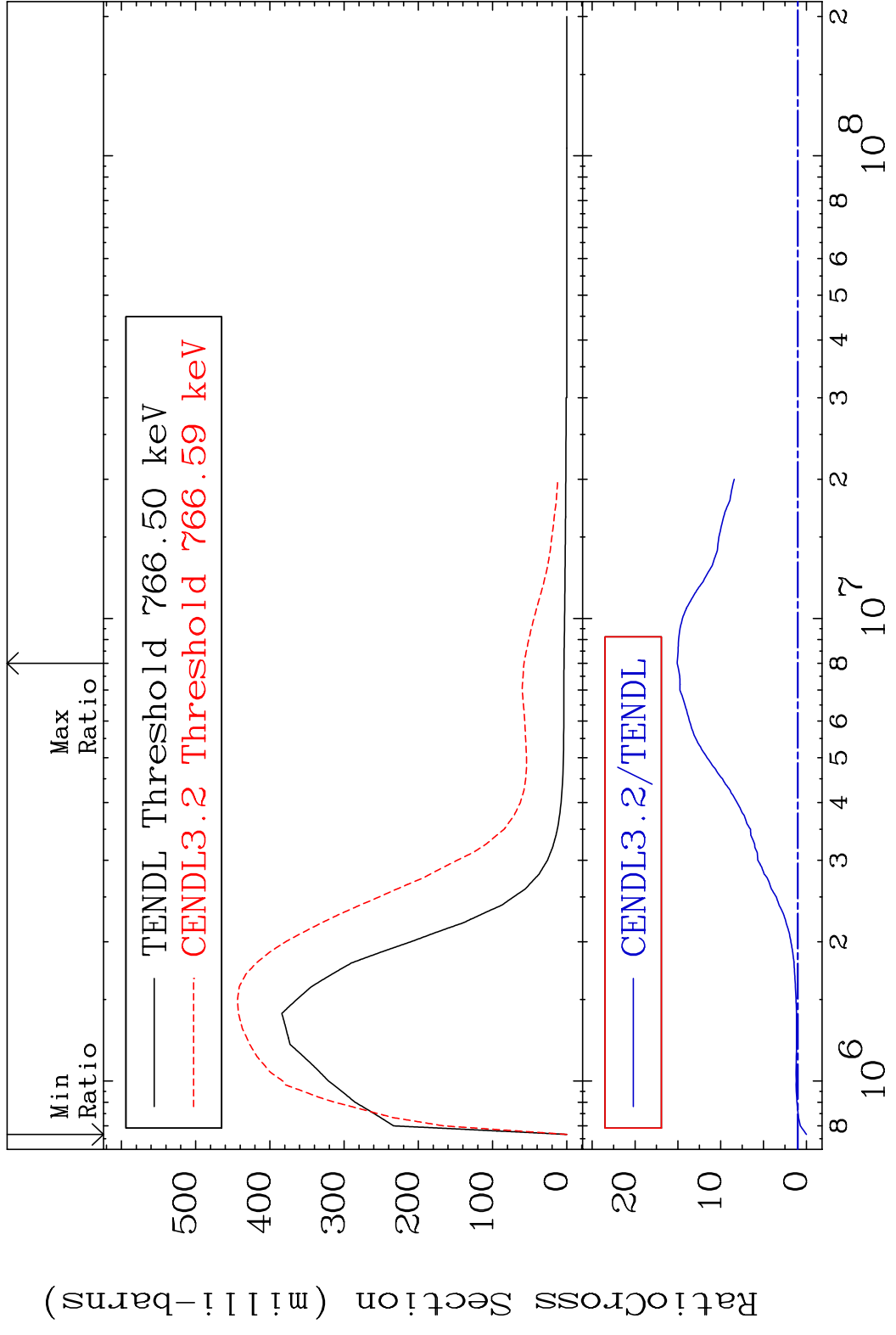


MAT 6649 MT= 53 (n, n') Level 66-Dy-164
 Cross Section -47.11 To 402.4 %

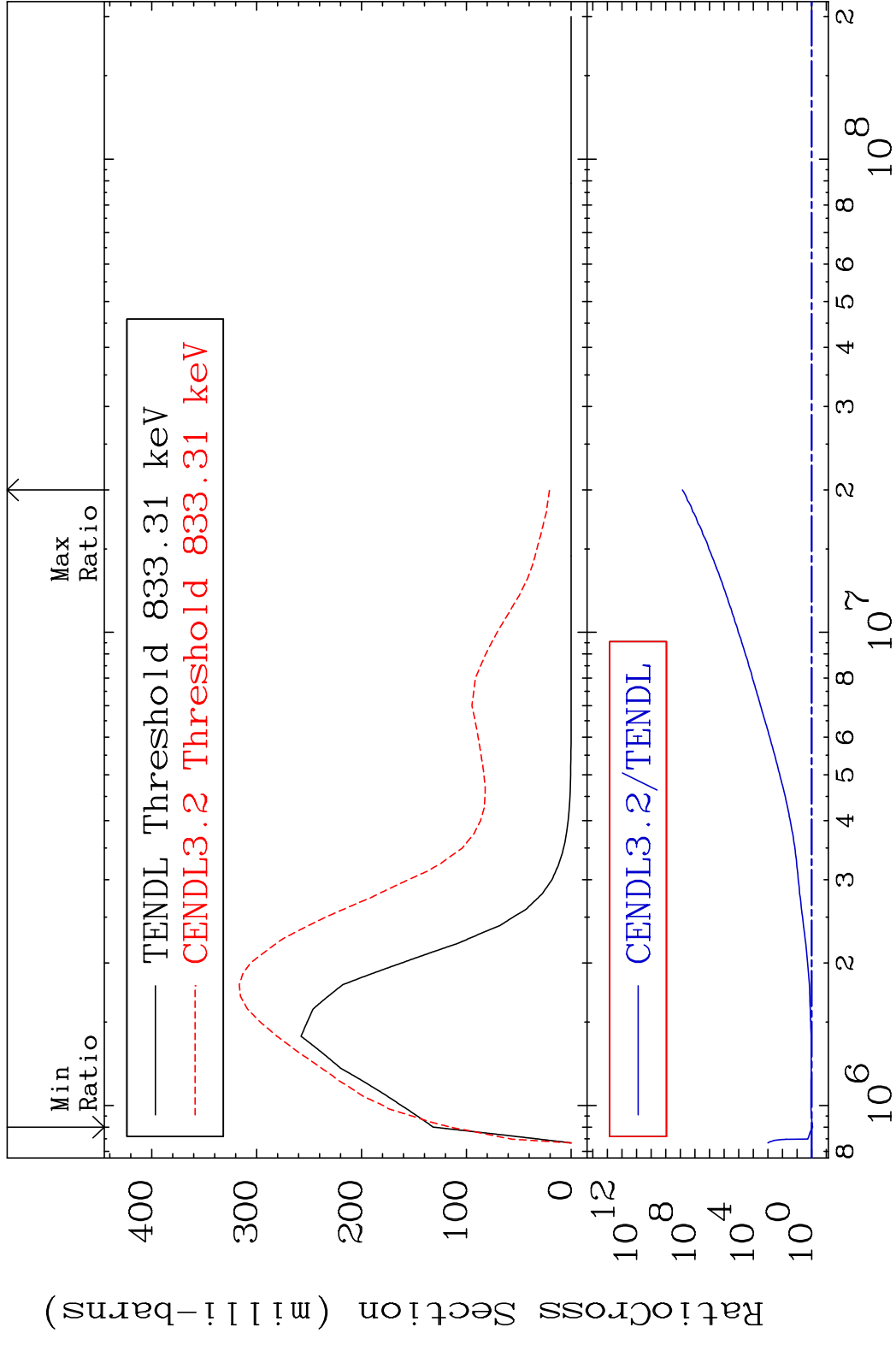


10 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 54 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 1408. %

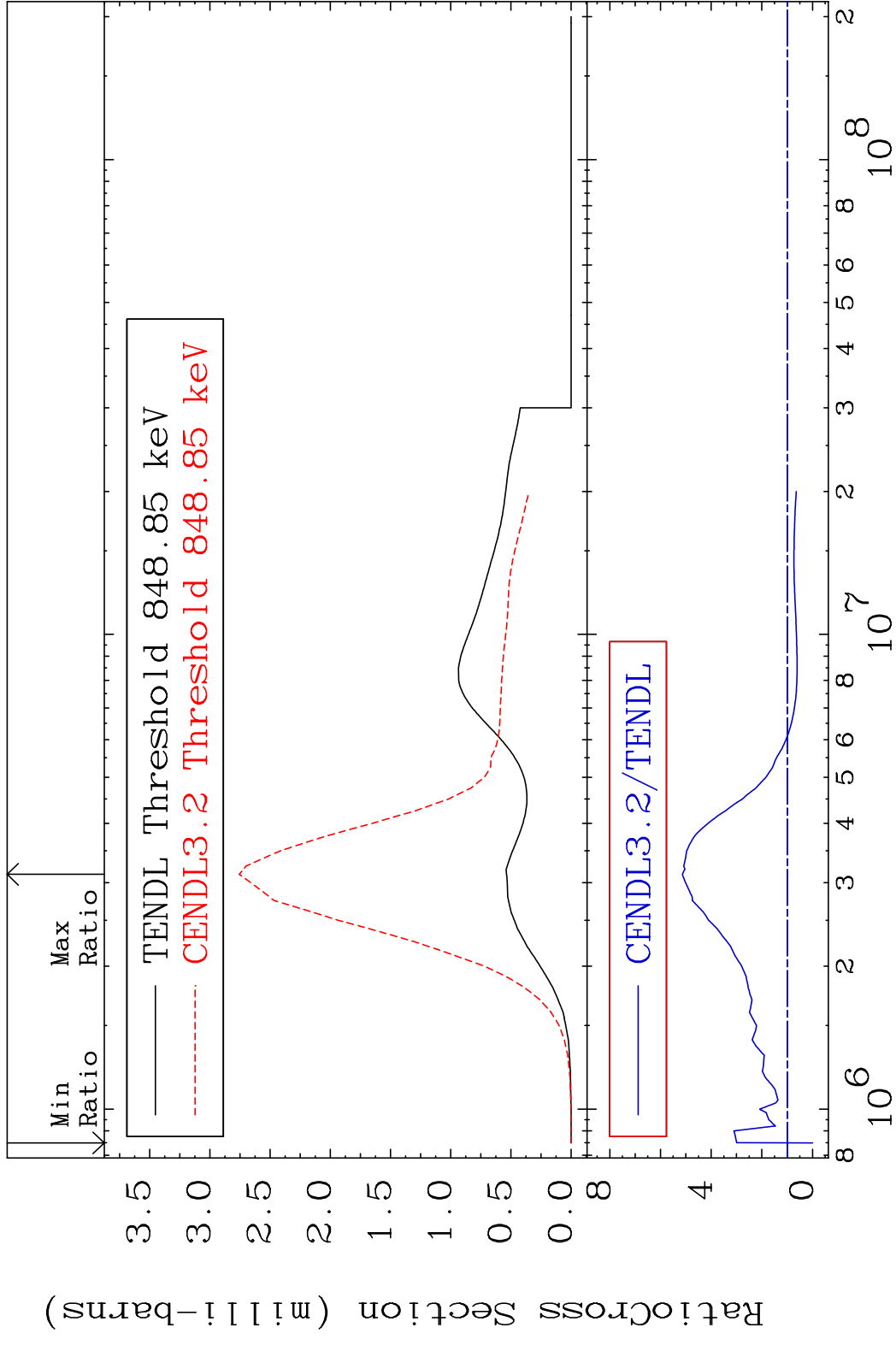


MAT 6649 MT= 55 (n, n') Level 66-Dy-164
 Cross Section -12.45 To 9999. %

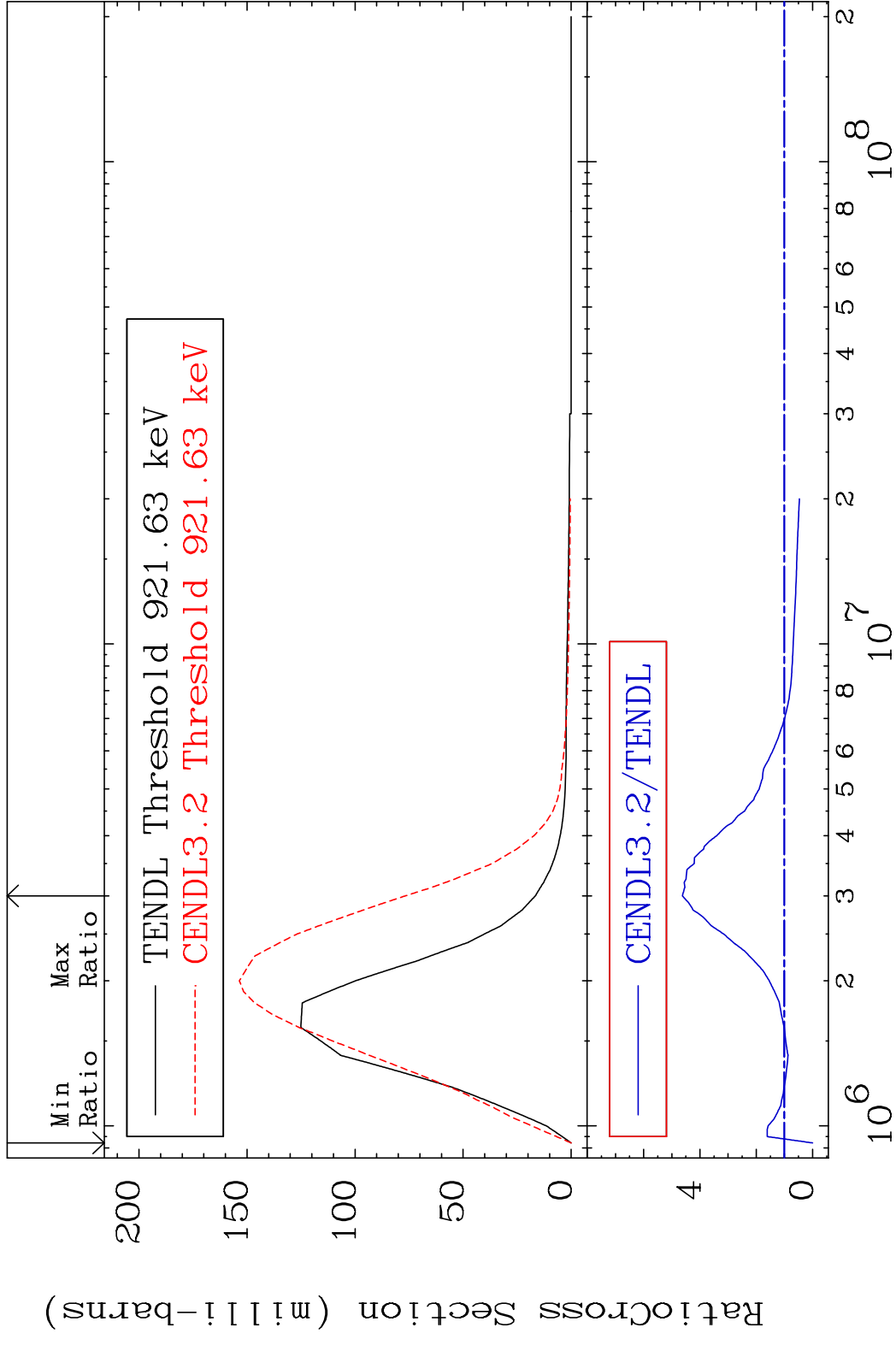


12 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 56 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 413.6 %

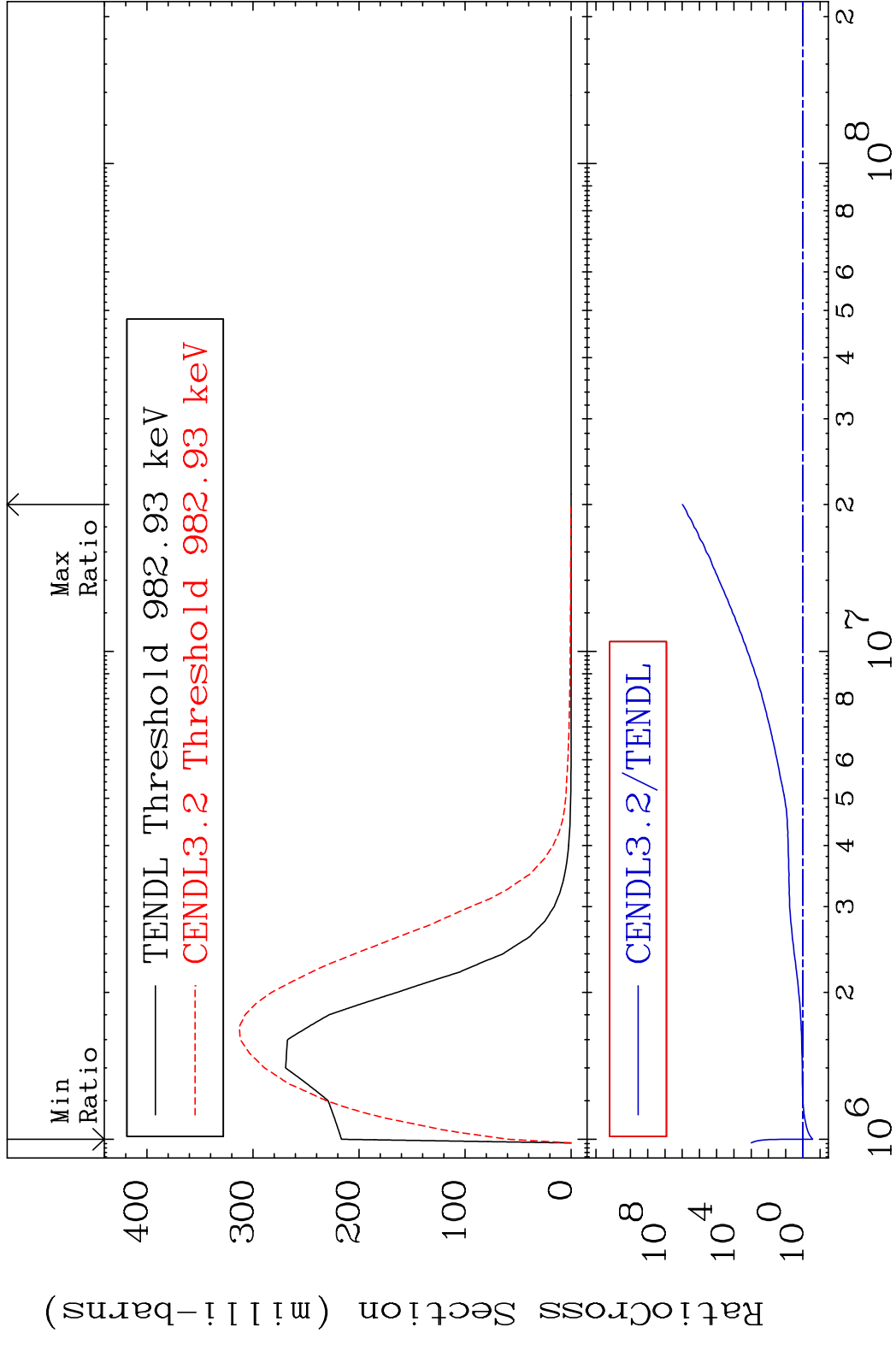


MAT 6649 MT= 57 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 362.5 %



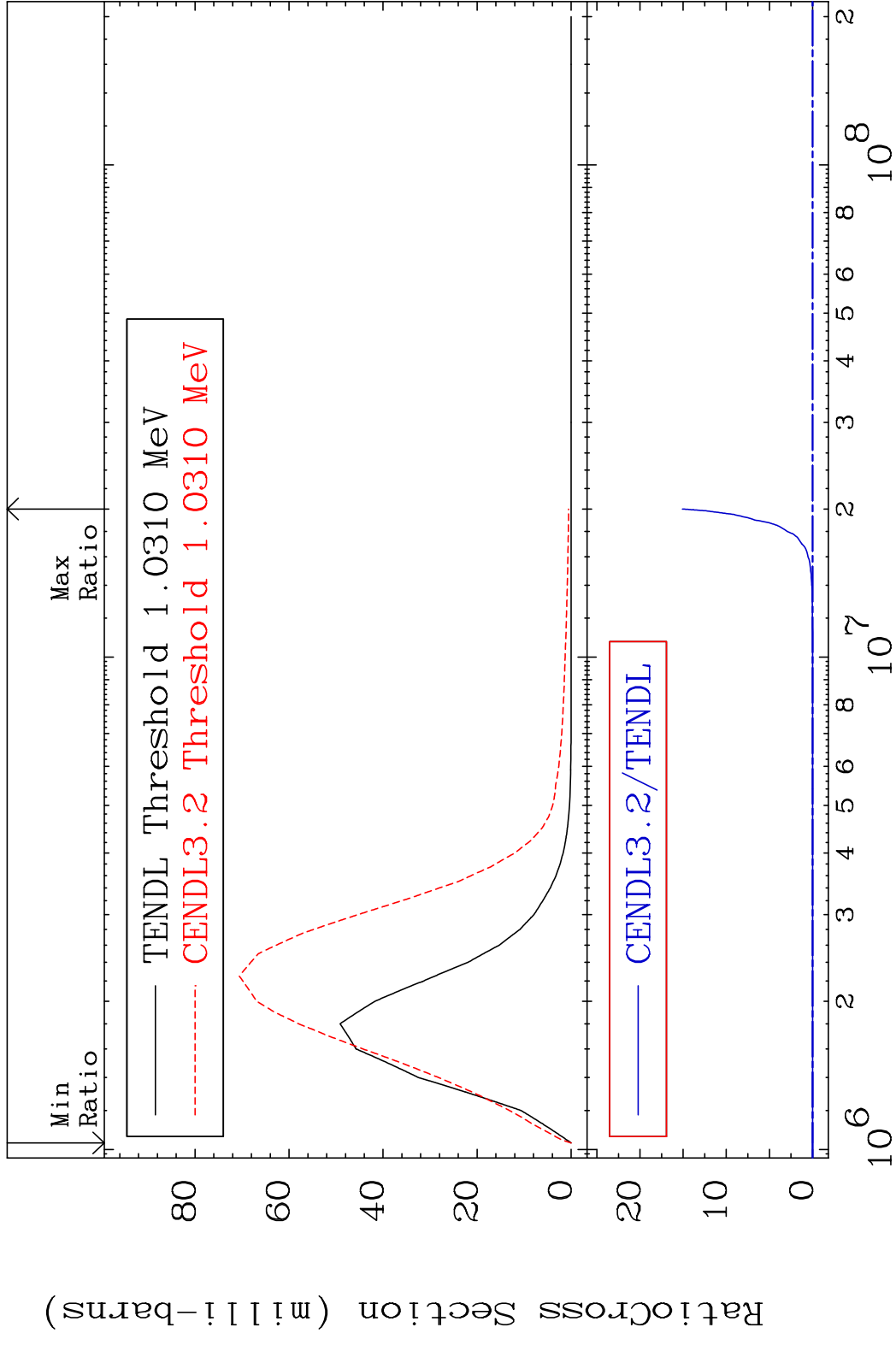
14 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 58 (n, n') Level 66-Dy-164
 Cross Section -72.65 To 9999. %



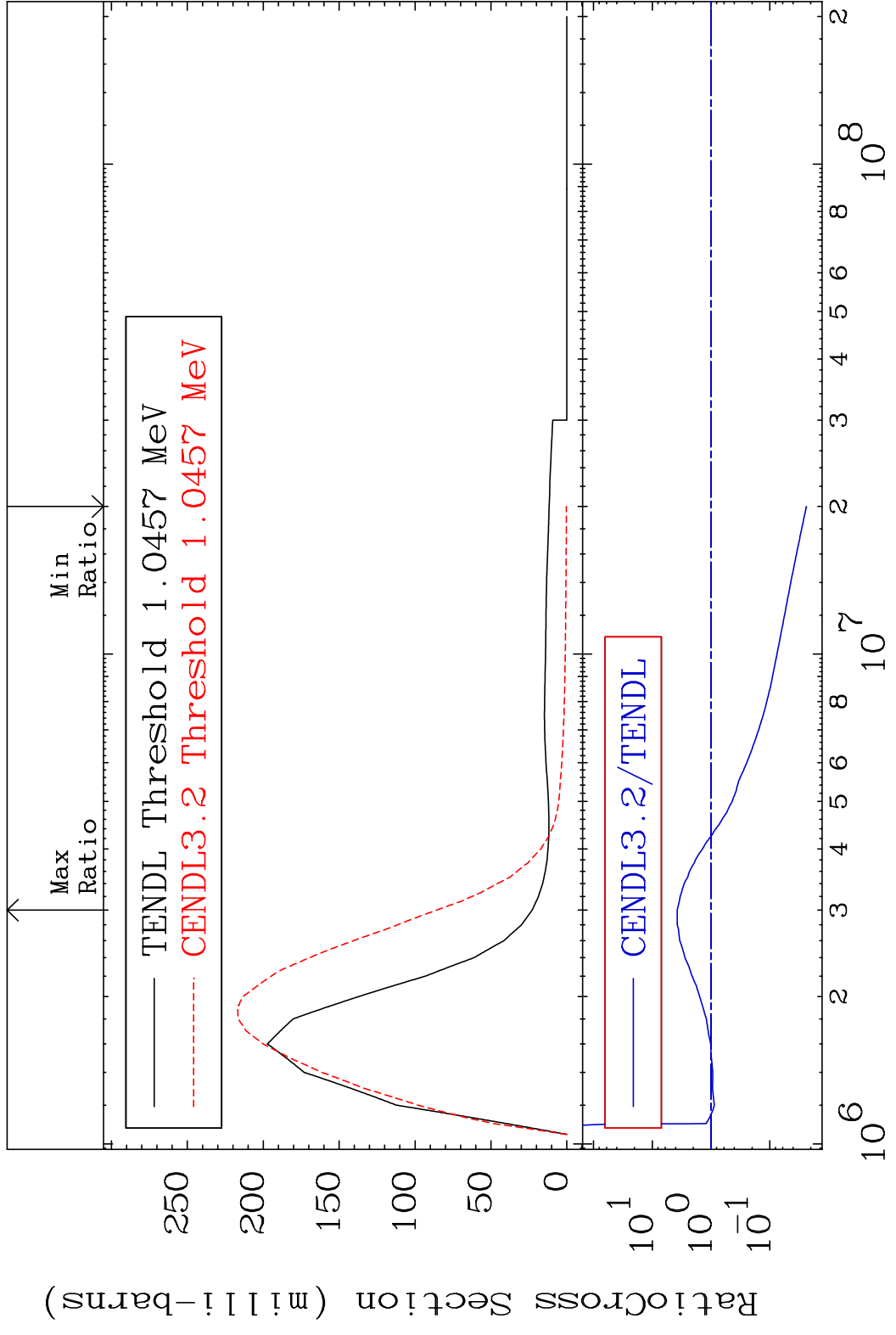
15 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 59 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 9999. %



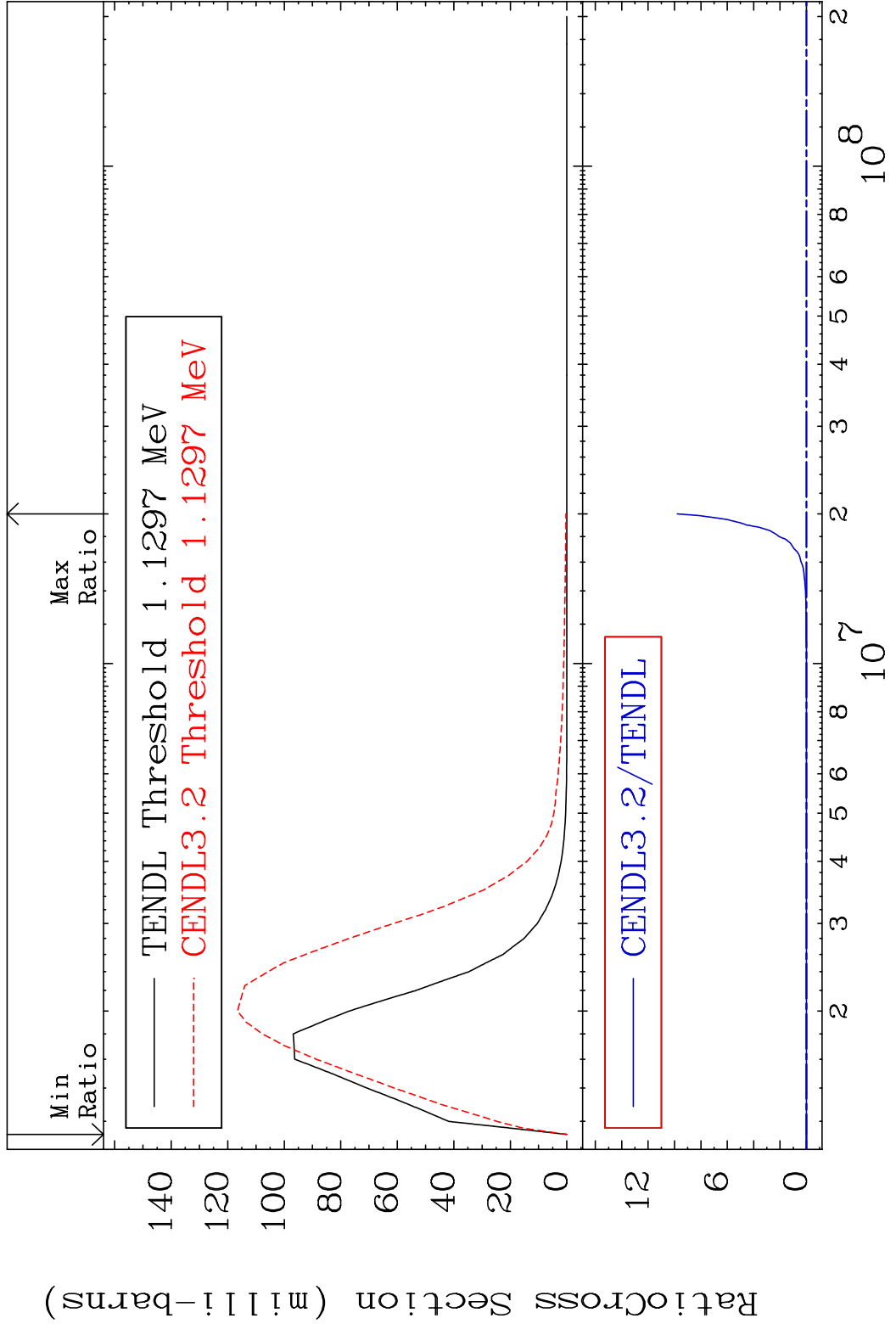
16 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 60 (n, n') Level 66-Dy-164
 Cross Section -97.62 To 276.0 %

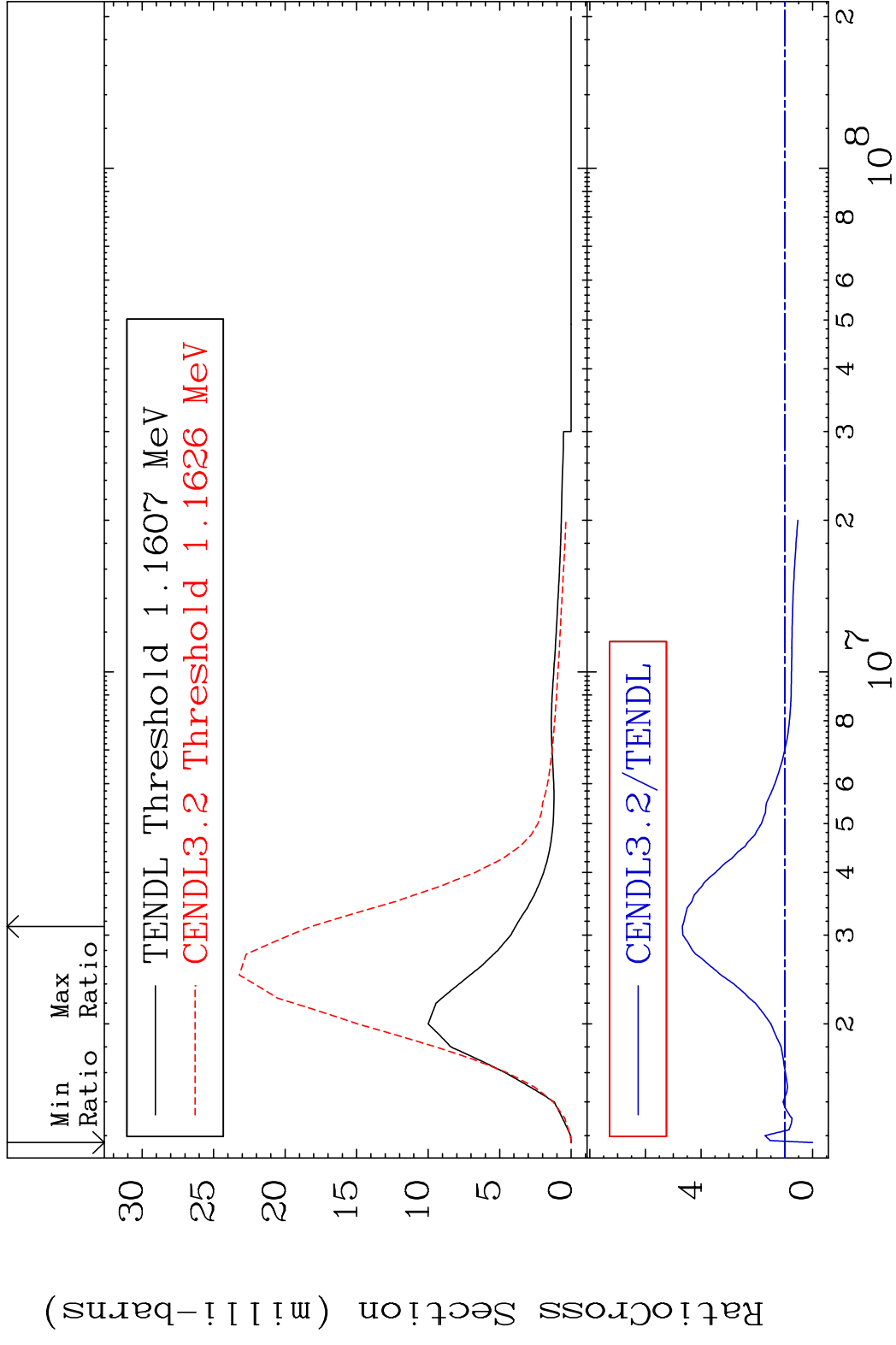


17 Incident Energy (eV) 66-Dy-164

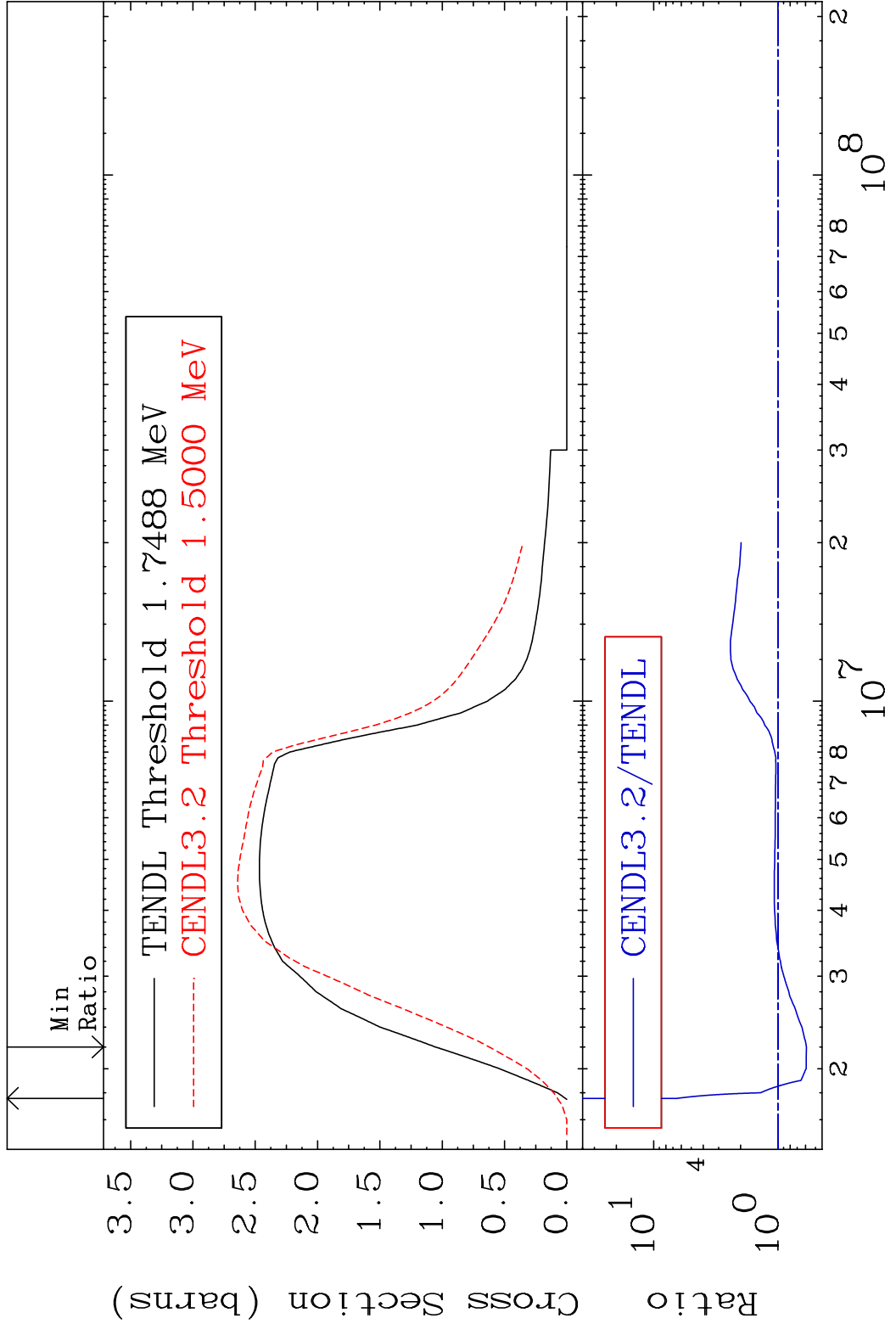
MAT 6649 MT= 61 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 9999. %



MAT 6649 MT= 62 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 367.4 %



MAT 6649 (n, n') Continuum 66-Dy-164
 Cross Section -40.90 To 547.8 %

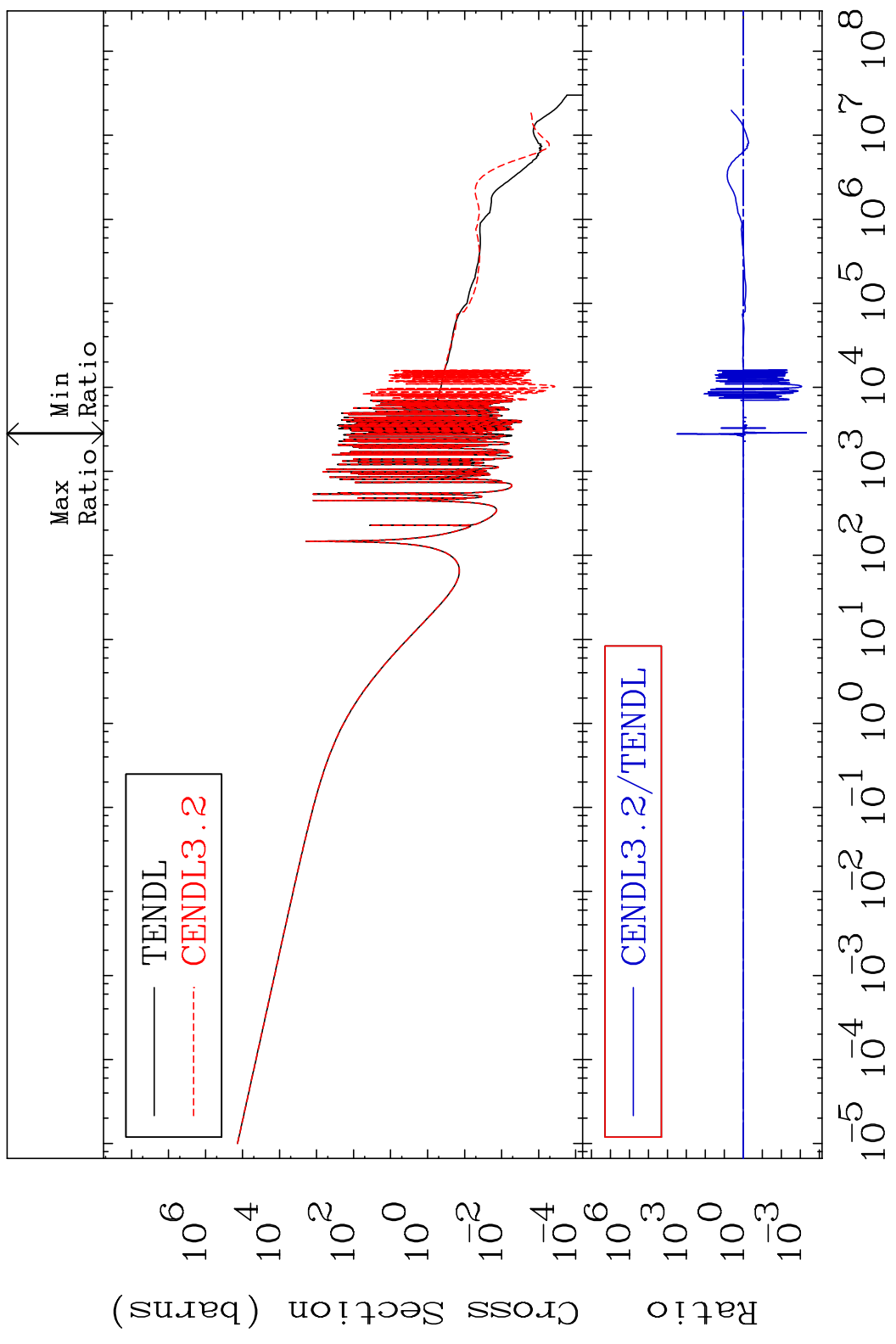


20 Incident Energy (eV) 66-Dy-164

MAT 6649

(n, γ)

Cross Section -99.95 To 9999. %
66-Dy-164



21

Incident Energy (eV)

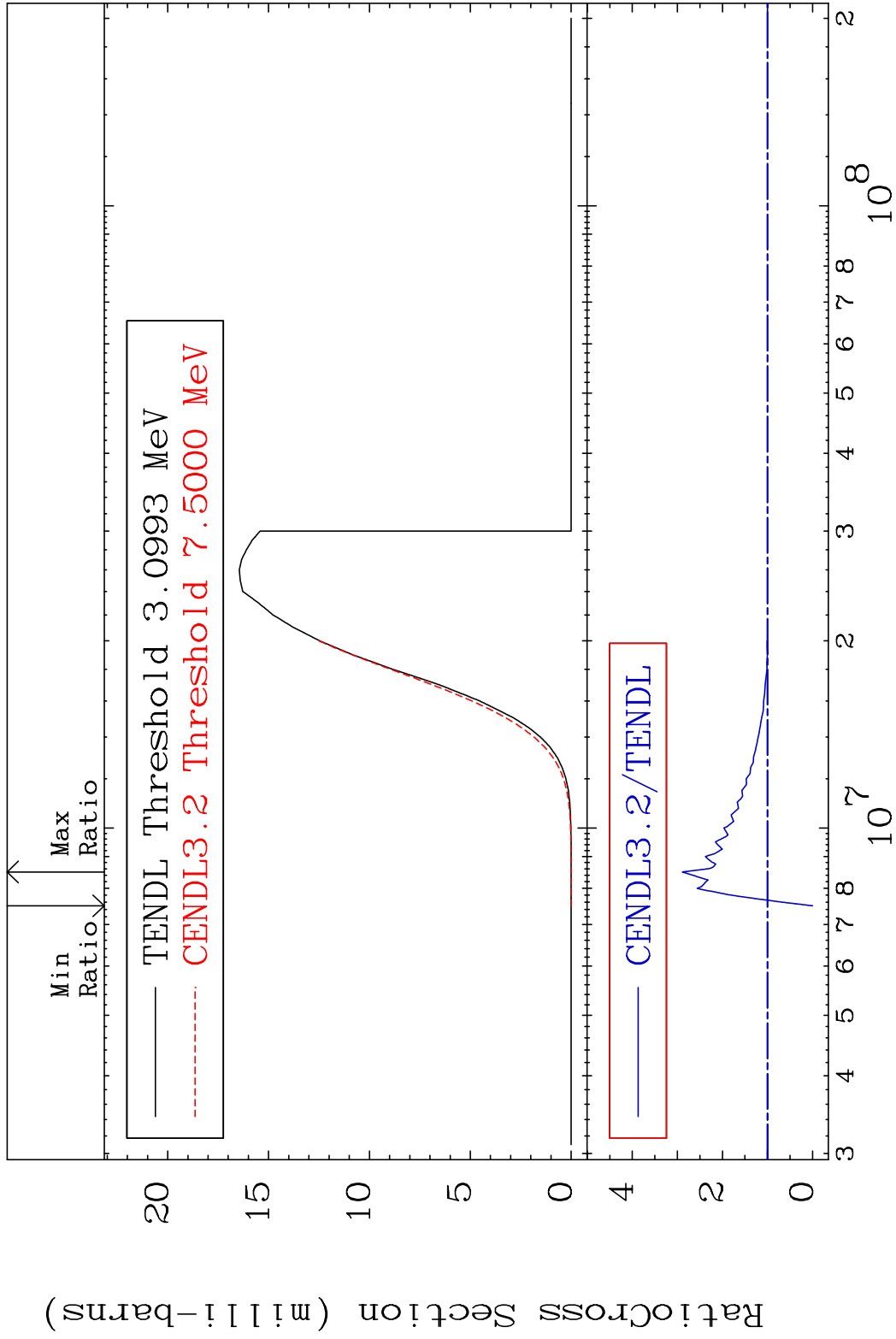
66-Dy-164

MAT 6649

(n,p)

66-Dy-164

Cross Section -100.0 To 188.9 %



22

Incident Energy (eV)

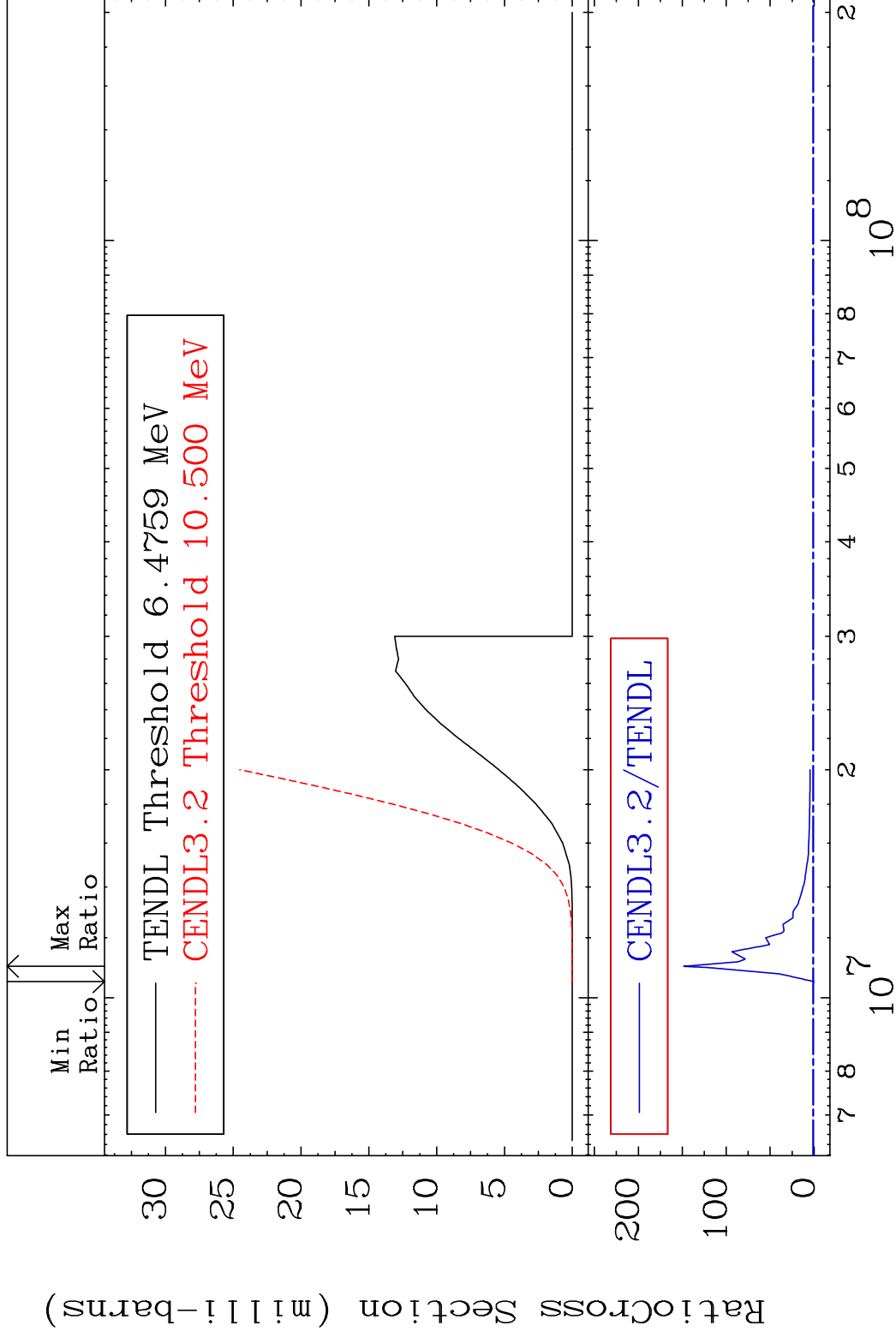
66-Dy-164

MAT 6649

(n,d)

66-Dy-164

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

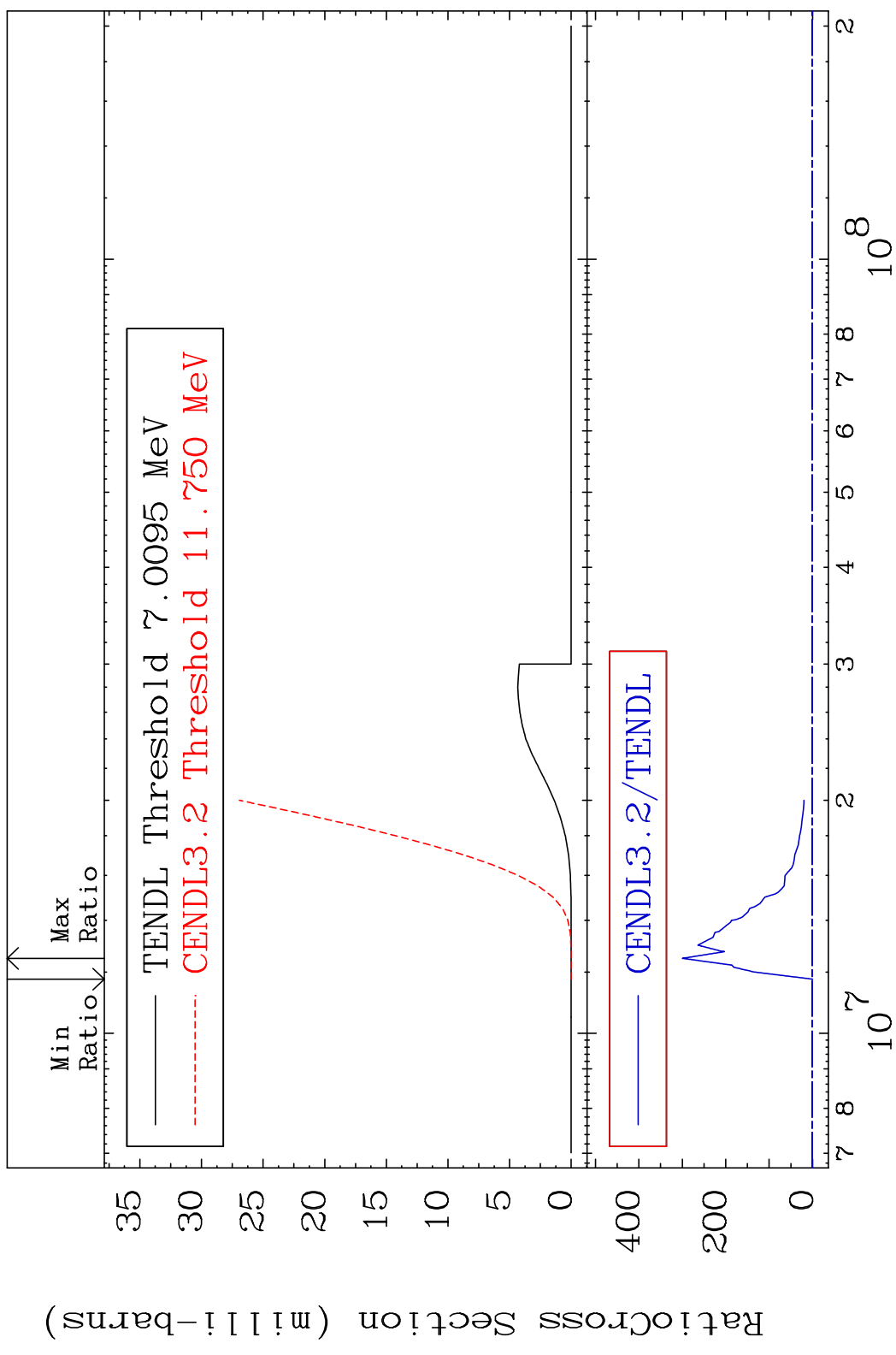
66-Dy-164

MAT 6649

(n, t)

66-Dy-164

Cross Section -100.0 To 9999. %

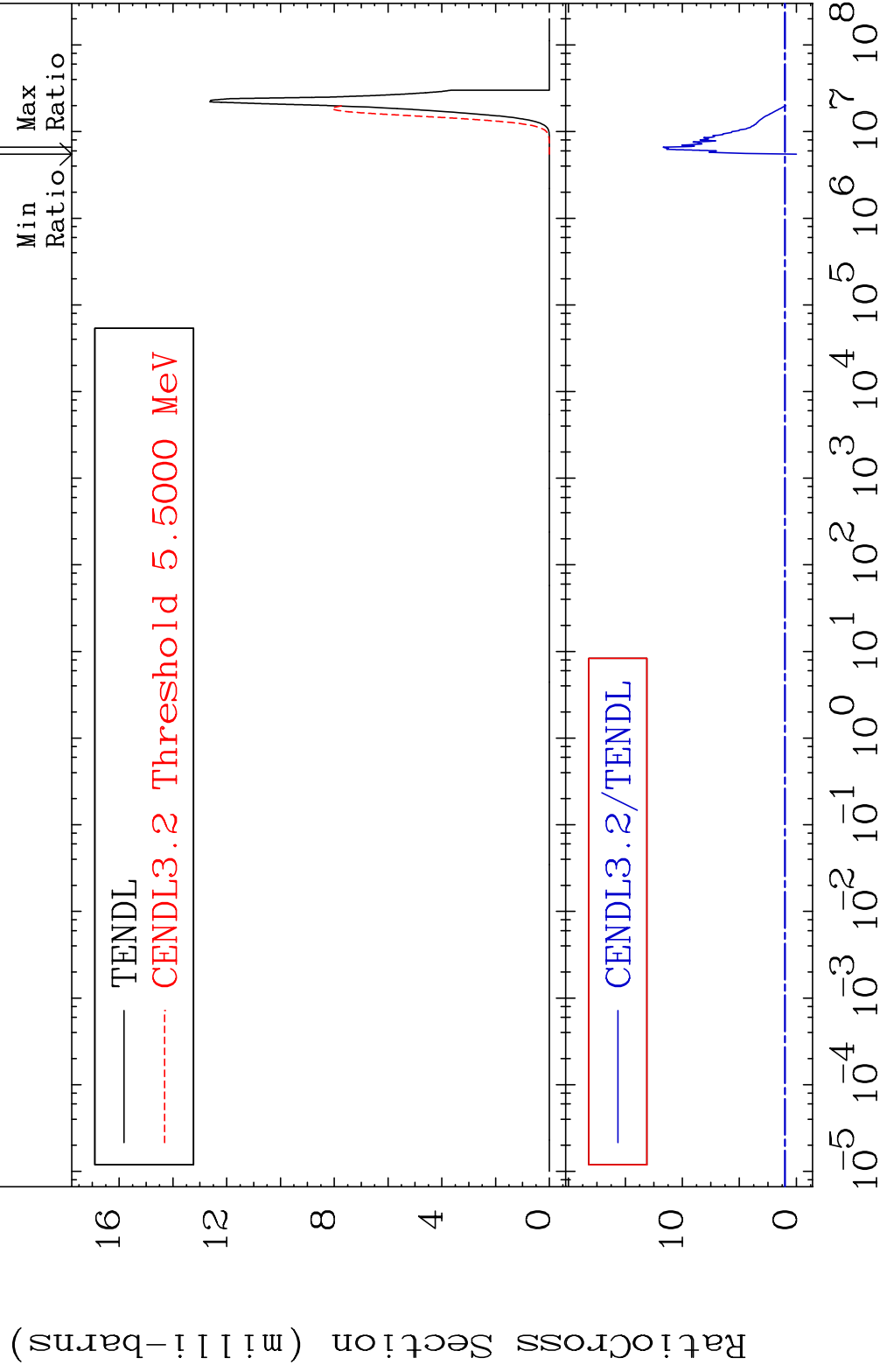


MAT 6649

(n, α)

66-Dy-164

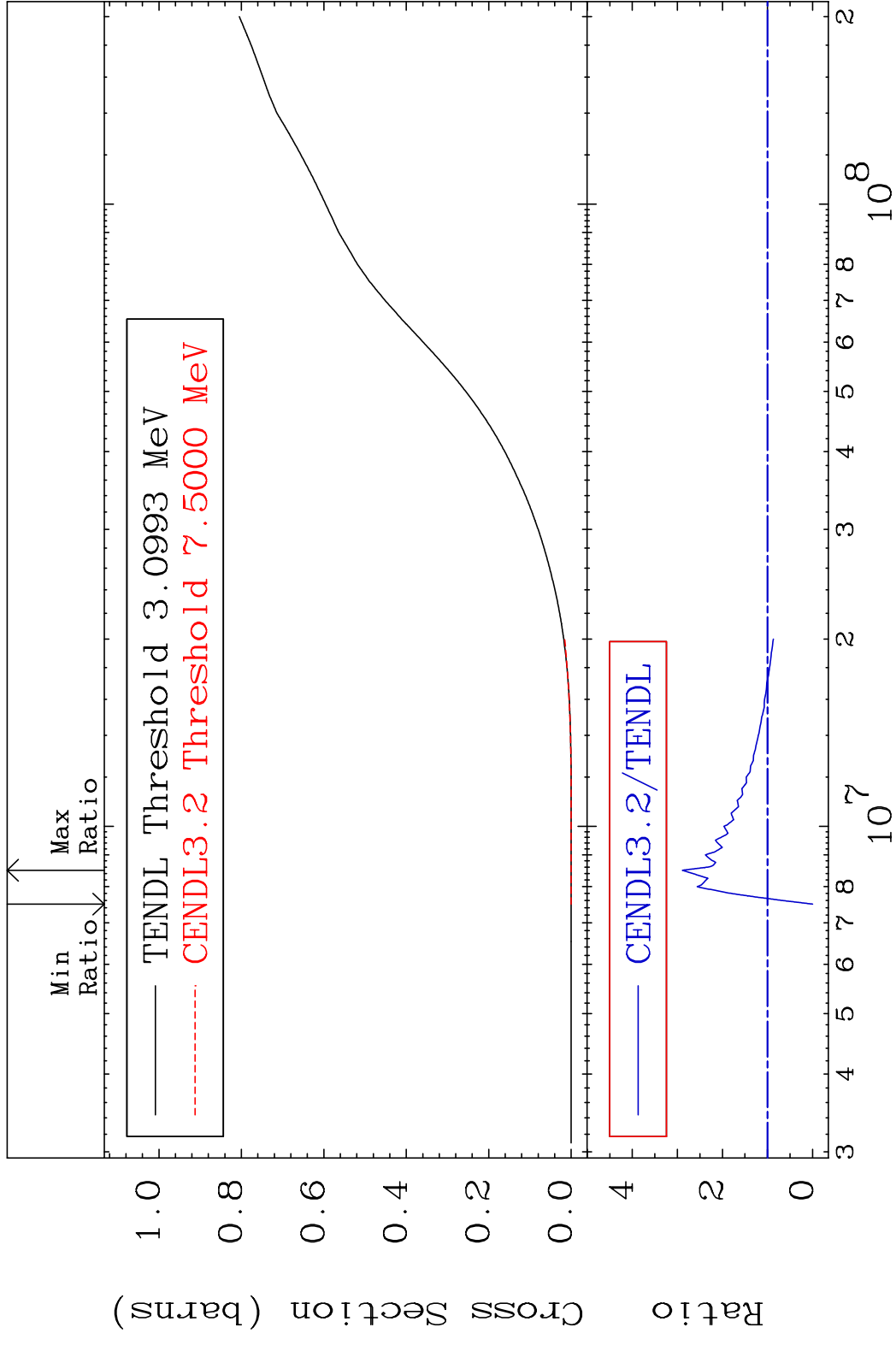
Cross Section -100.0 To 1069. %



25

Incident Energy (eV)

66-Dy-164

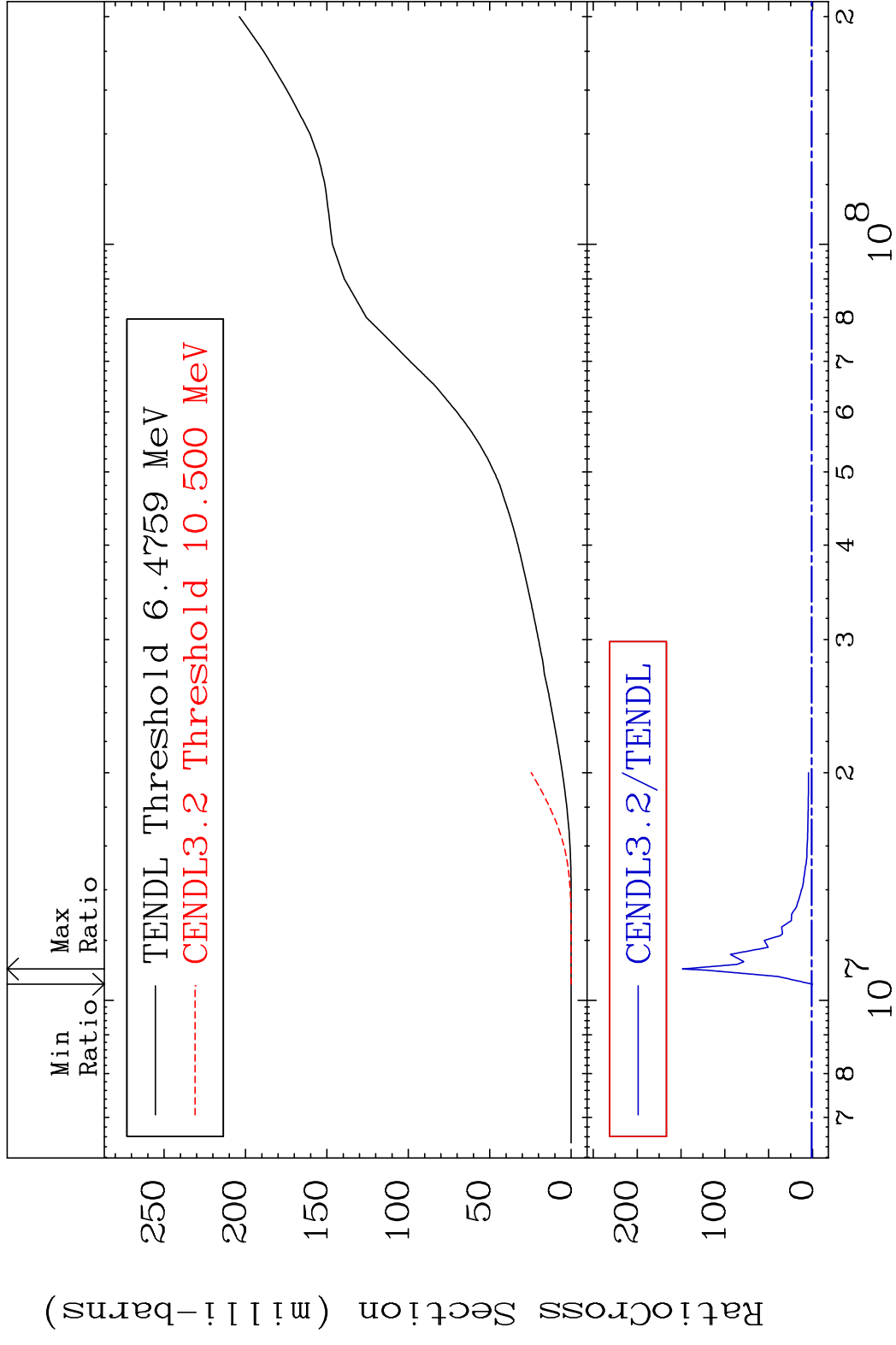


MAT 6649

Deuterium Production

66-Dy-164

Cross Section -100.0 To 9999. %



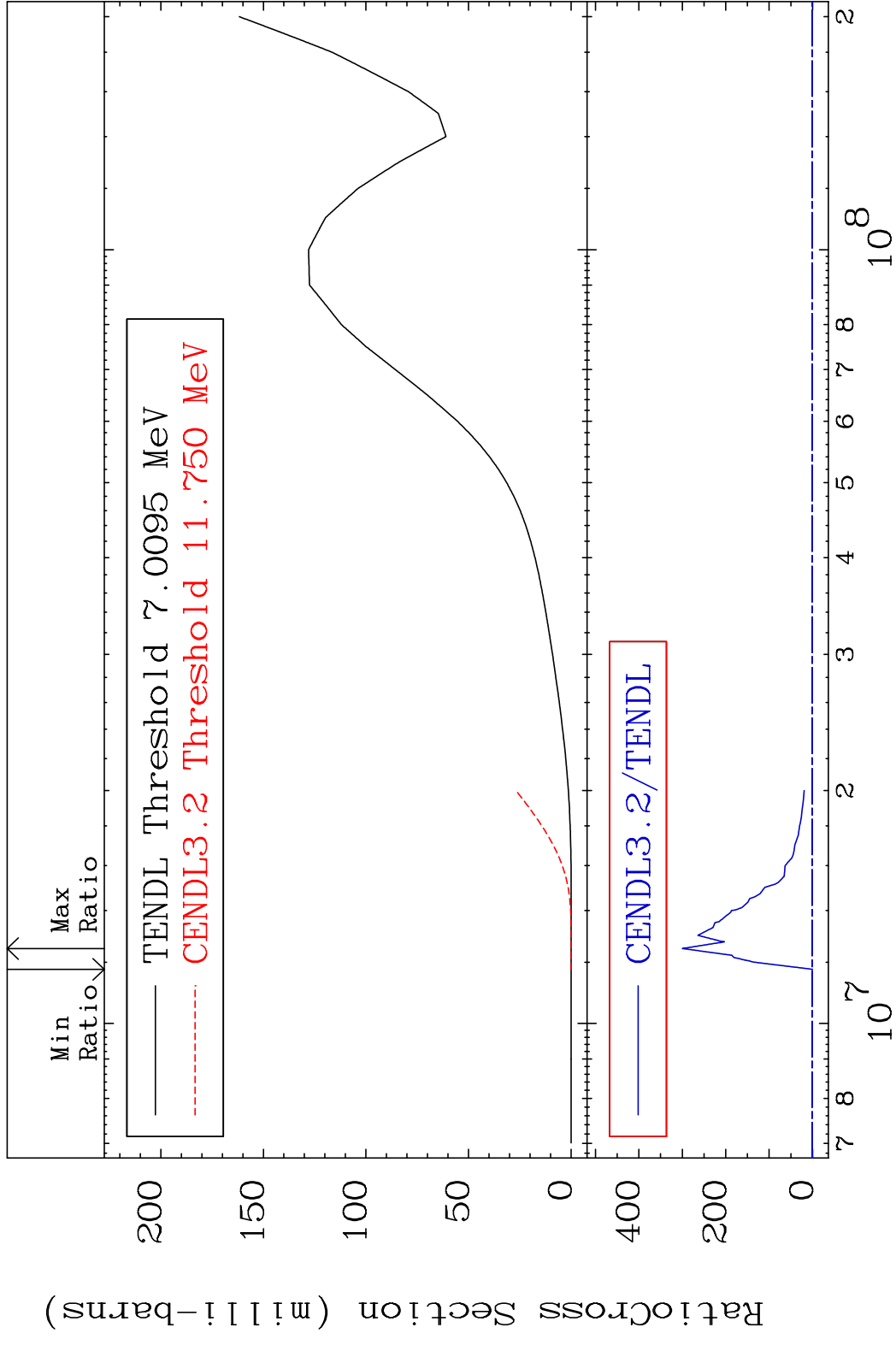
27

Incident Energy (eV)

66-Dy-164

MAT 6649

Tritium Production 66-Dy-164
Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

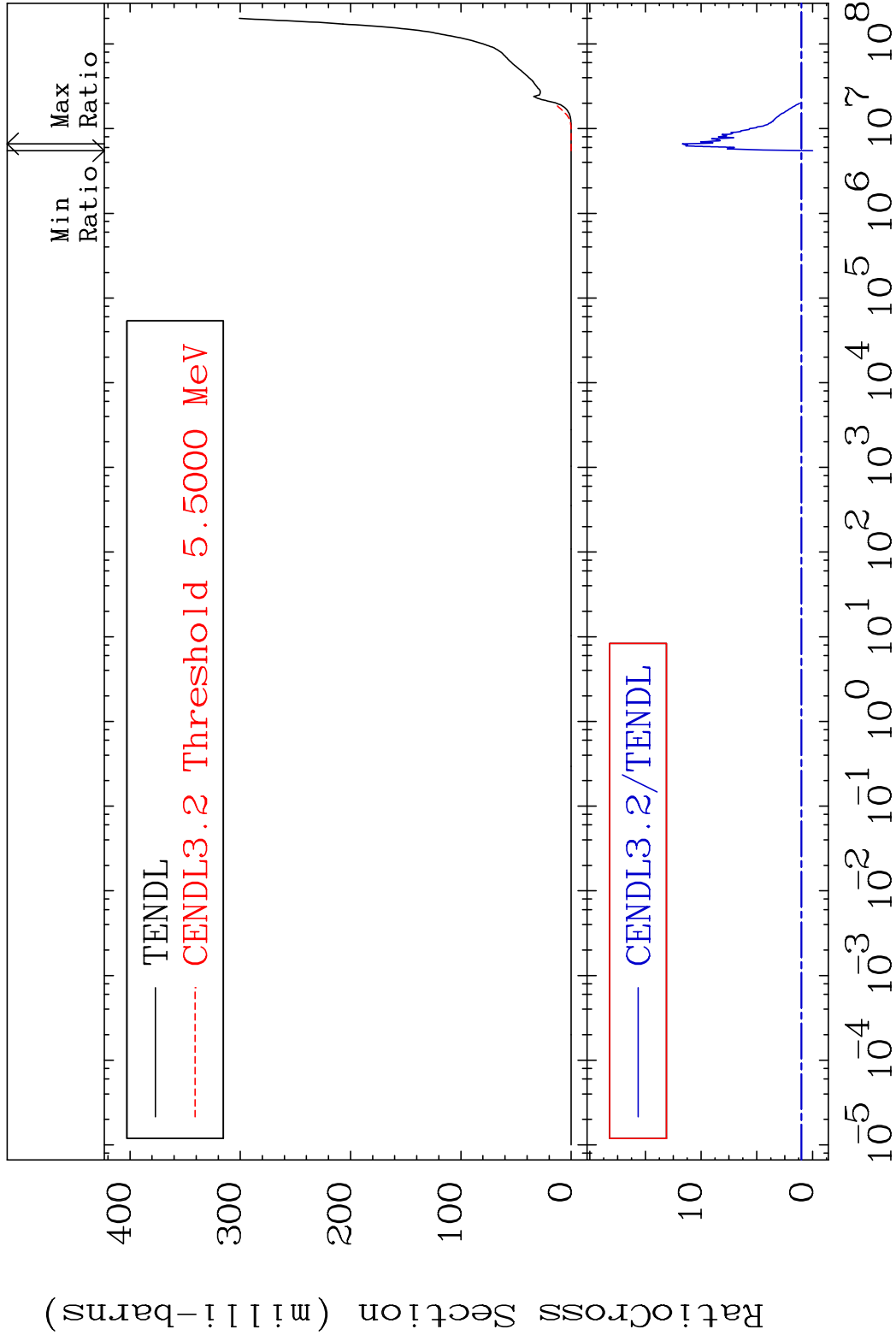
66-Dy-164

MAT 6649

He-4 Production

66-Dy-164

Cross Section -100.0 To 1069. %

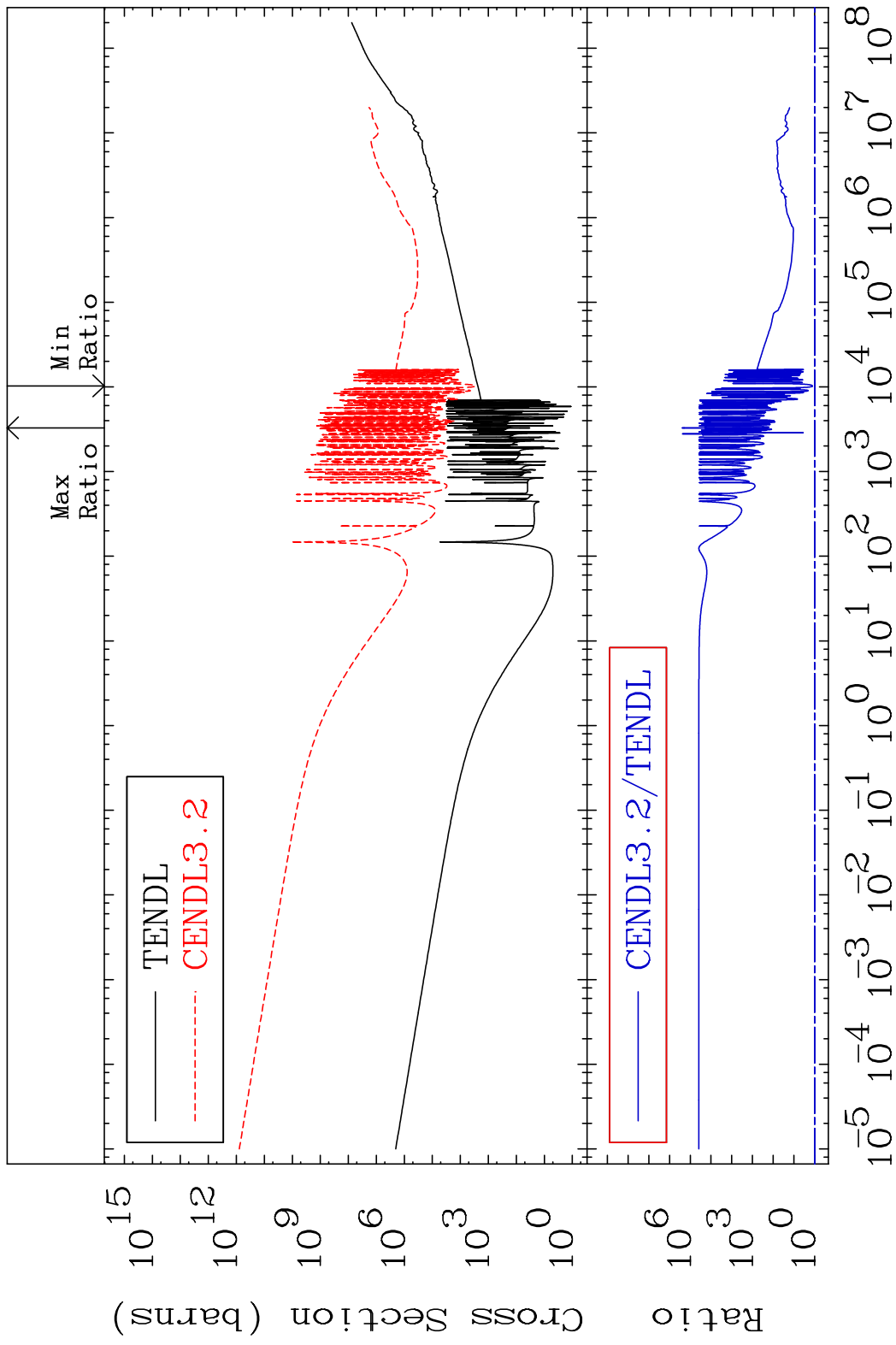


29

Incident Energy (eV)

66-Dy-164

MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section 25.79 To 9999. %

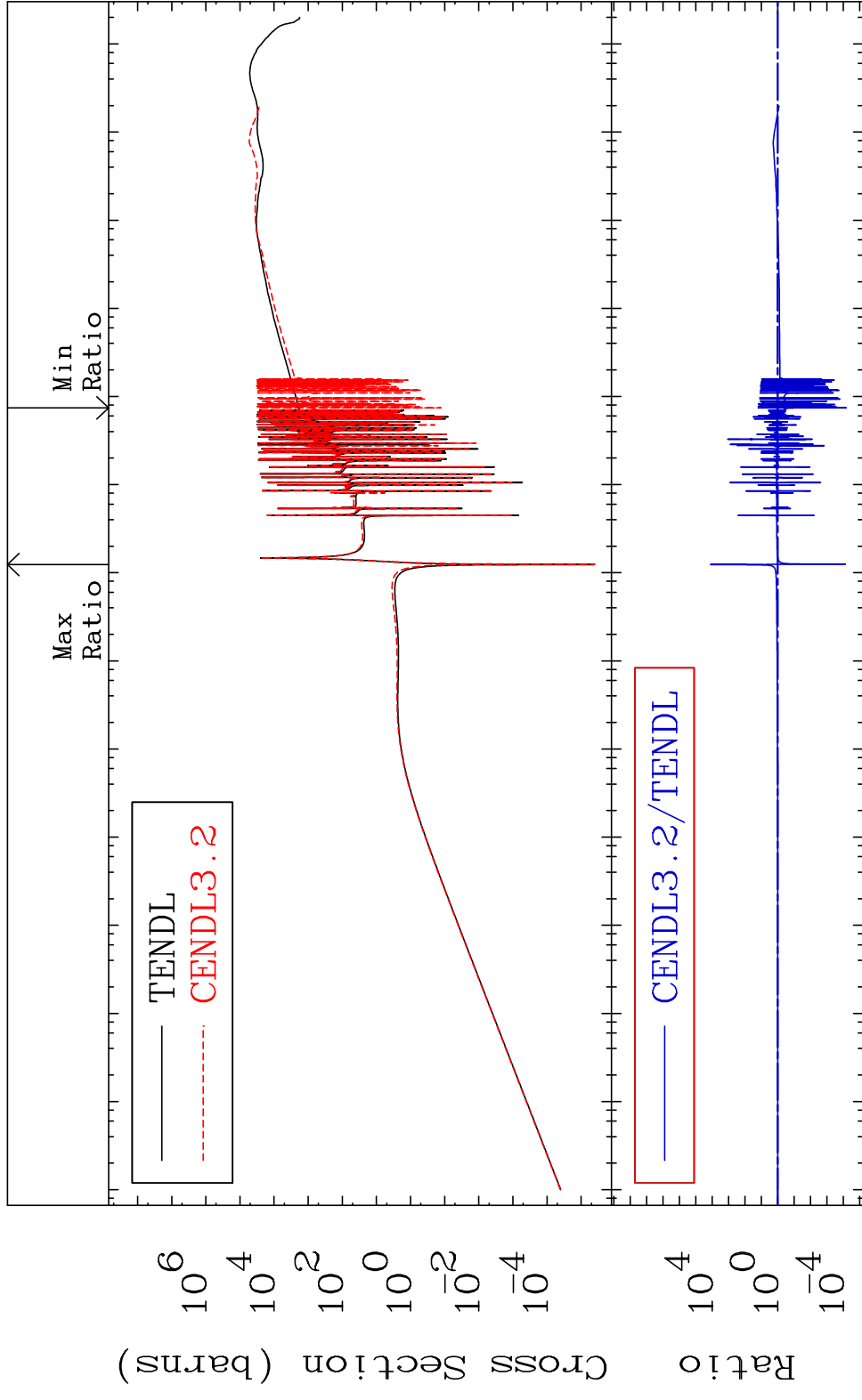


30 Incident Energy (eV) 66-Dy-164

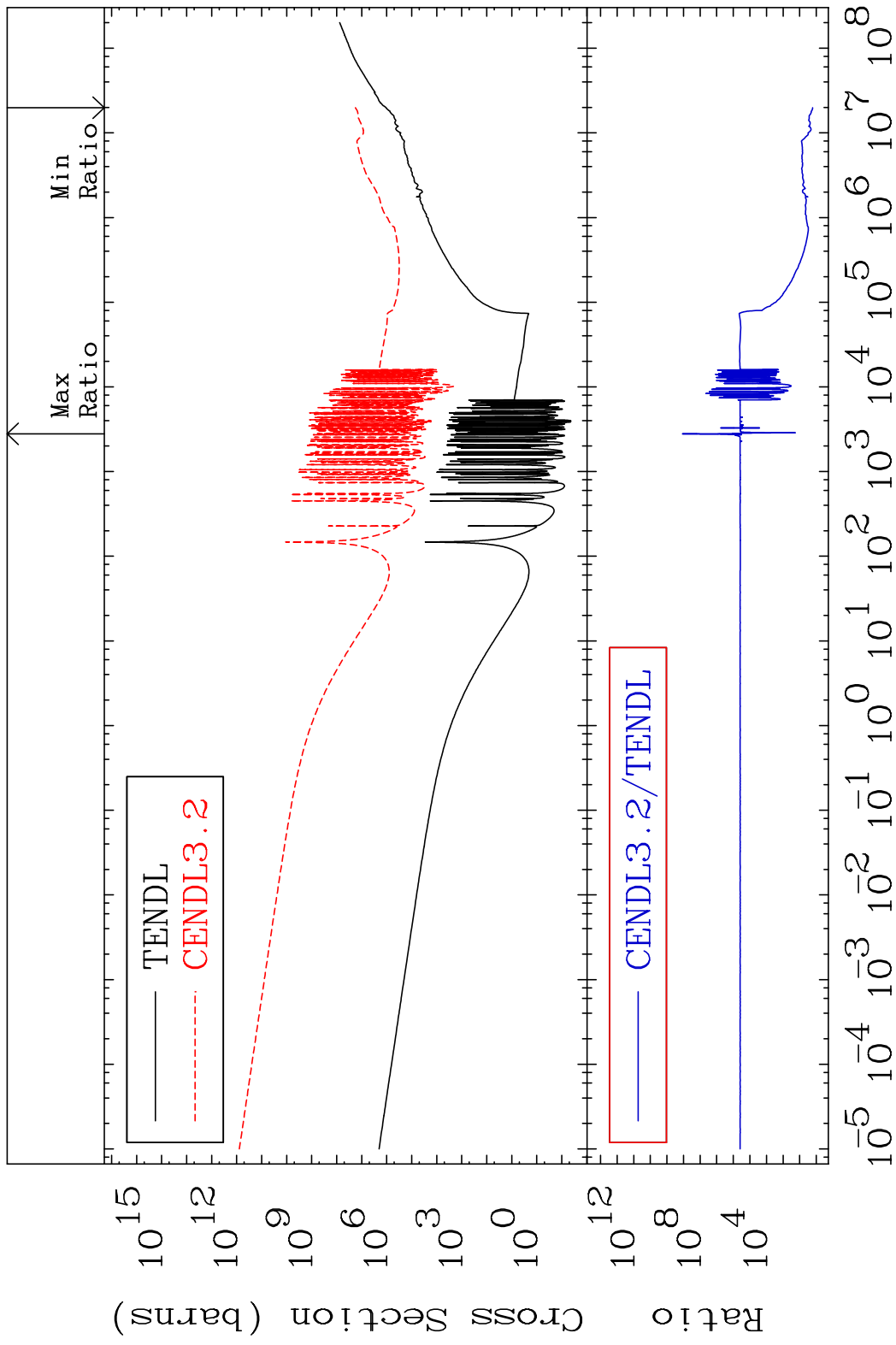
MAT 6649

Kerma elastic
Cross Section

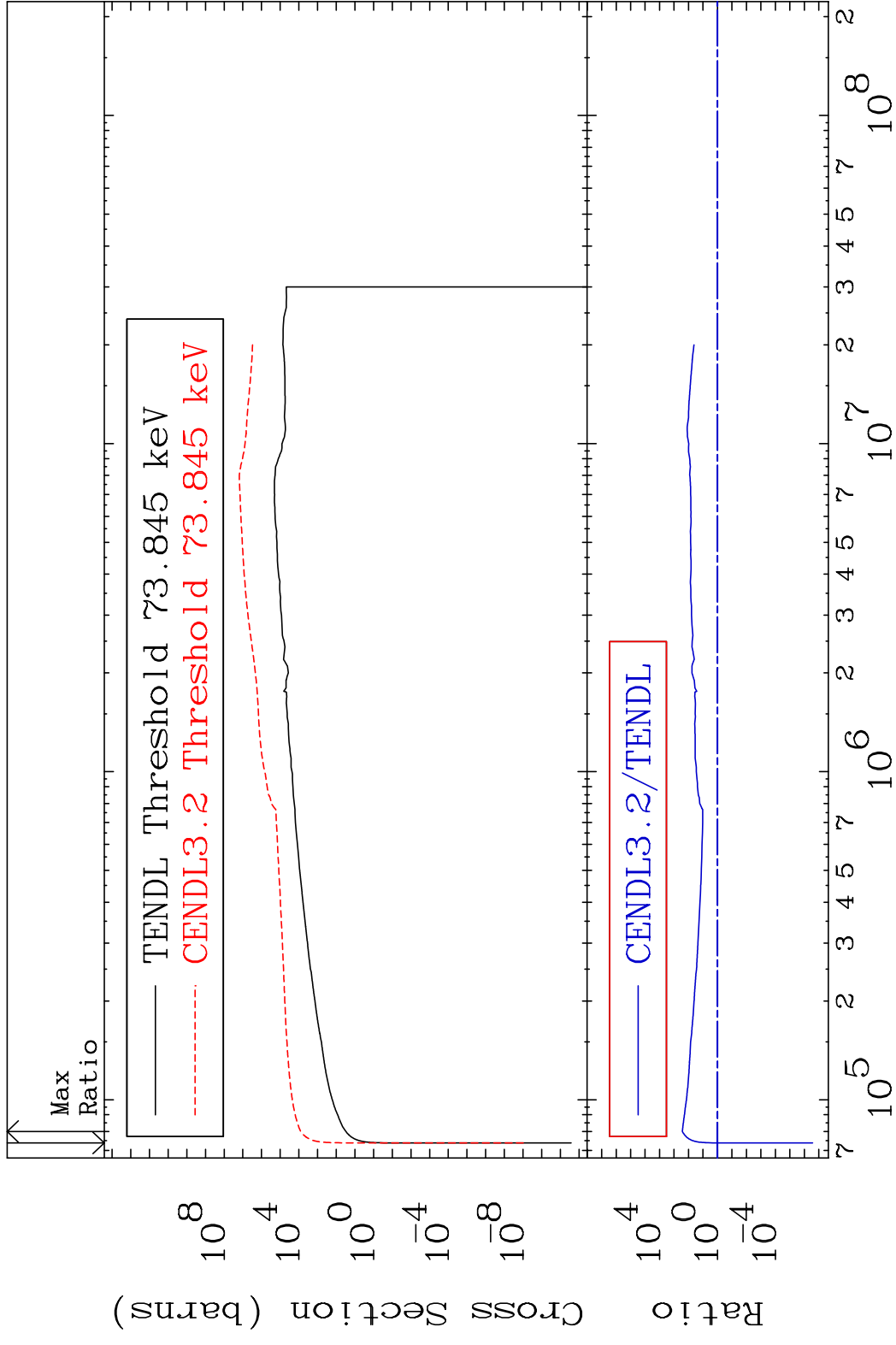
66-Dy-164
-99.99 To 9999. %



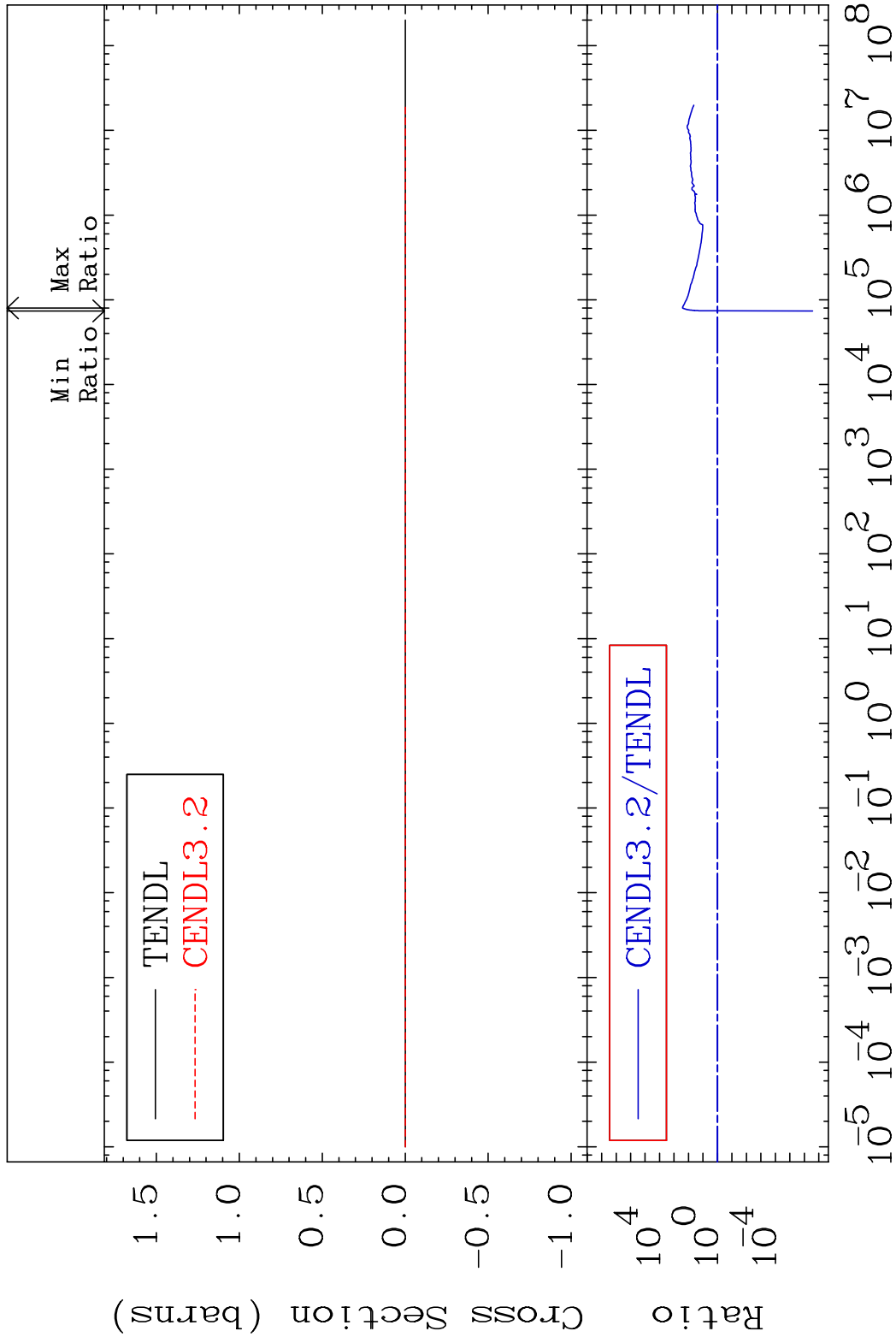
MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section 1581. To 9999. %



MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
 Cross Section -100.0 To 9999. %

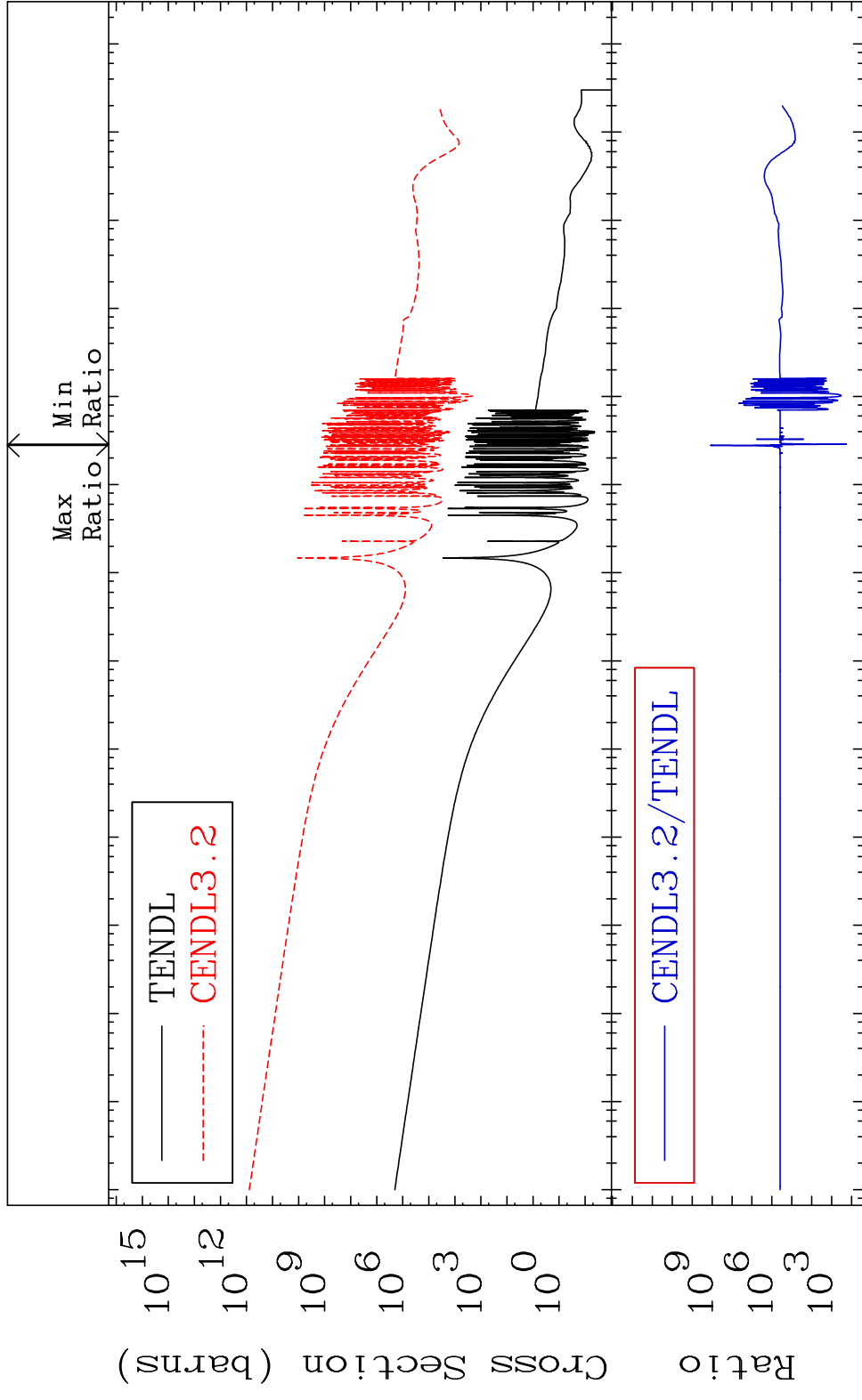


MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -100.0 To 9999. %

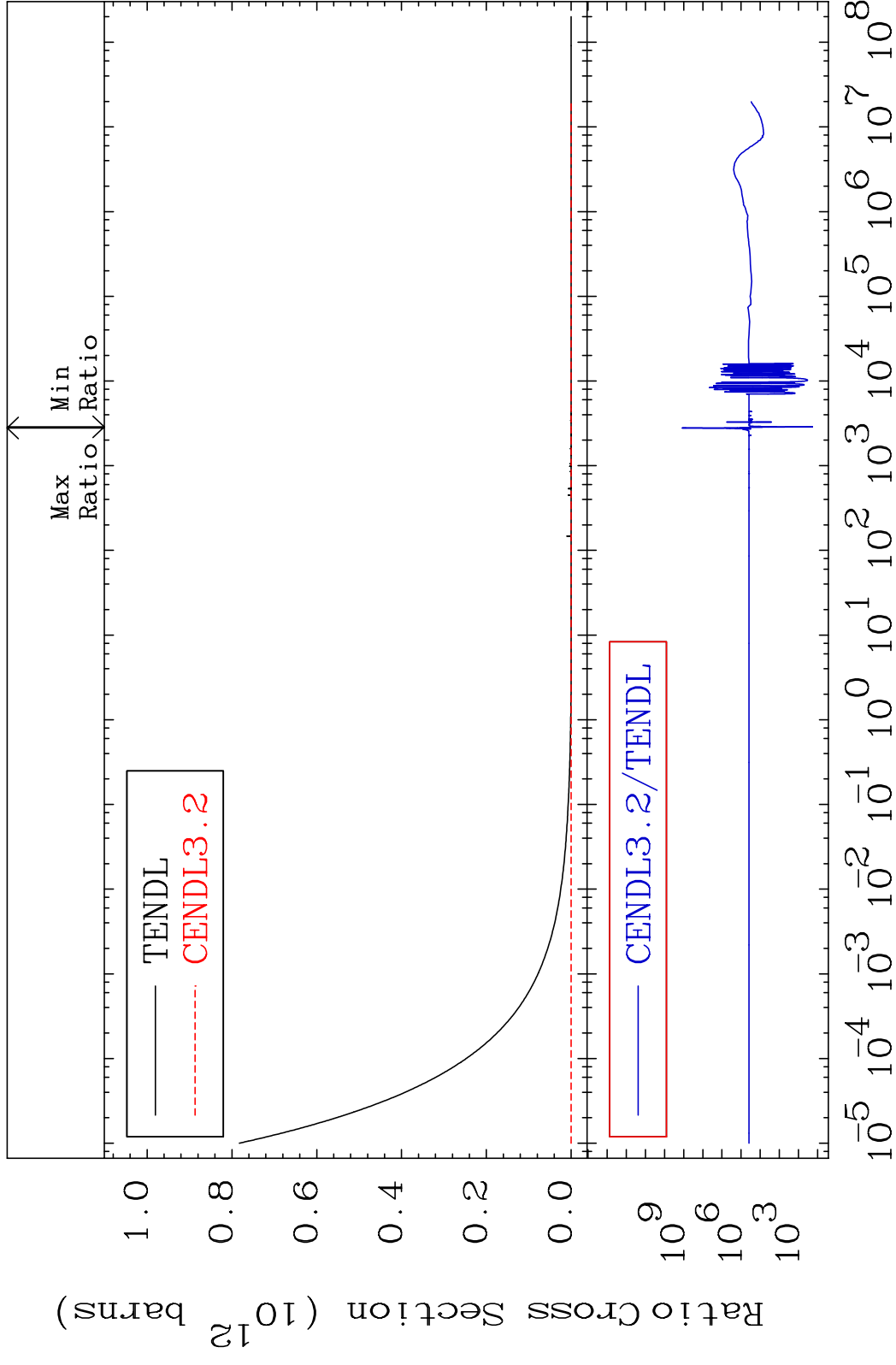


MAT 6649

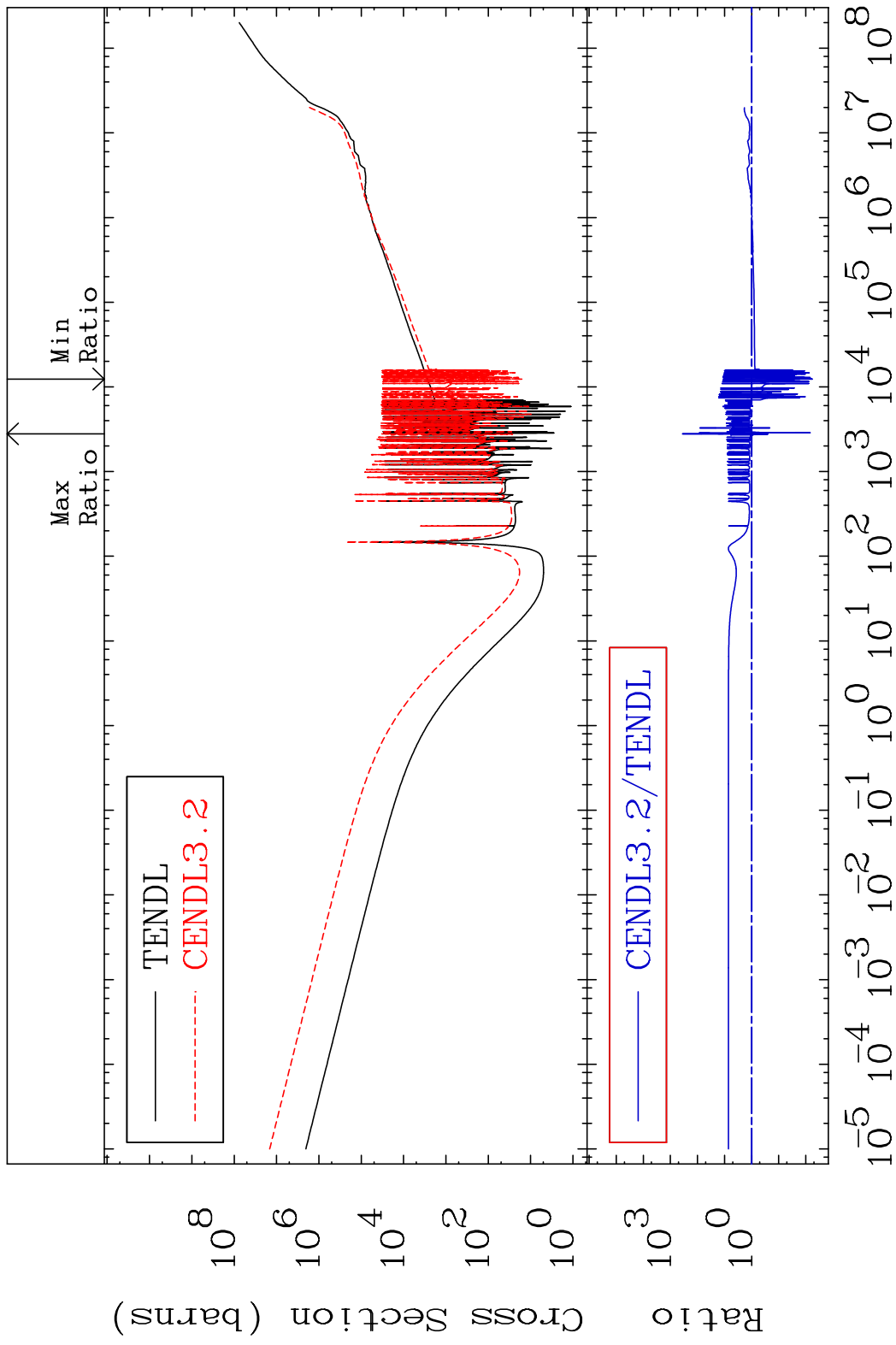
Kerma capture (mt102) 66-Dy-164
Cross Section 9999. To 9999. %



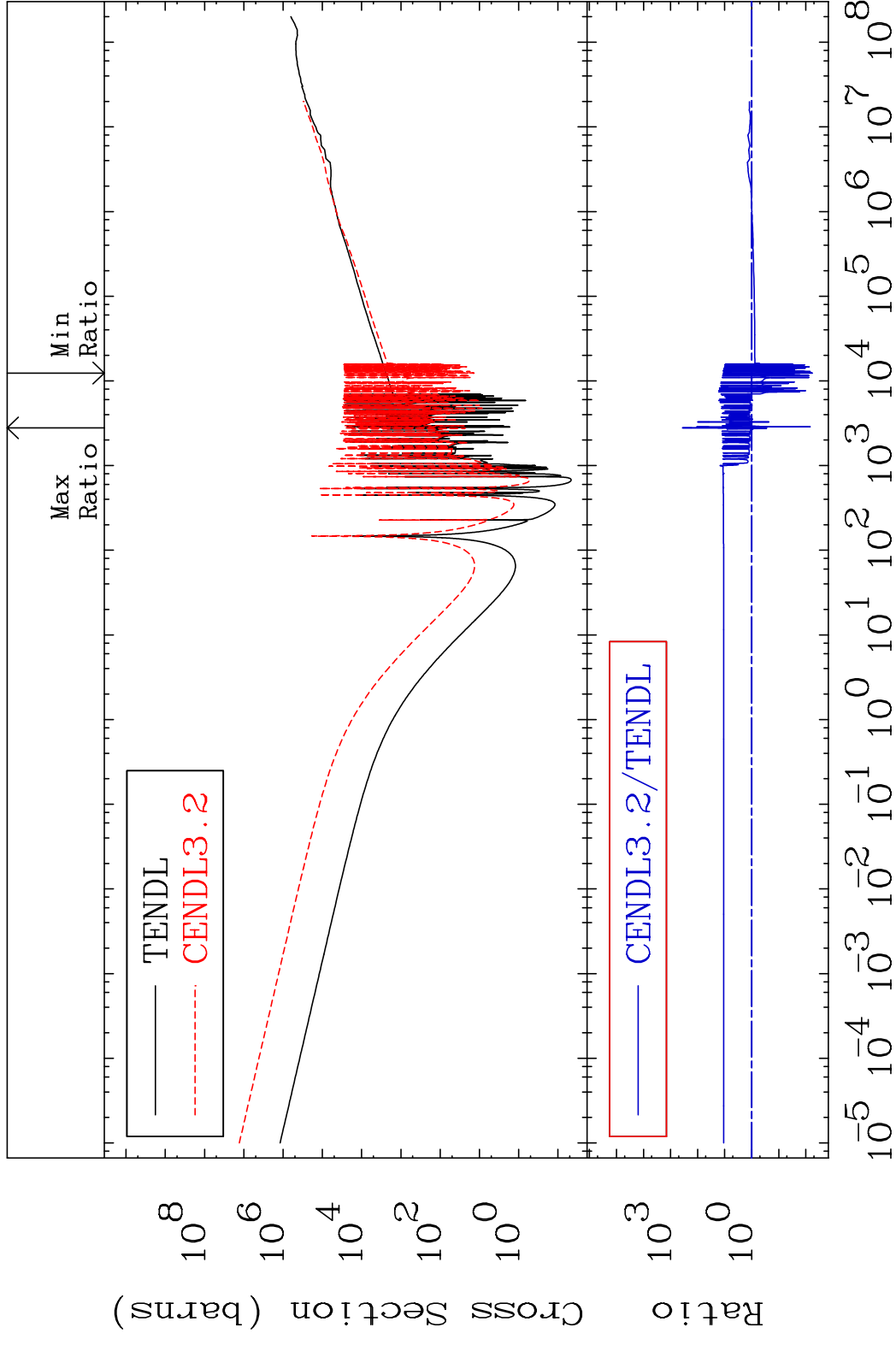
MAT 6649 Total photon (eV-barns) 66-Dy-164
 Cross Section 9999. To 9999. %



MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
 Cross Section -99.44 To 9999. %



MAT 6649 Dpa total (eV-barns) 66-Dy-164
 Cross Section -99.44 To 9999. %

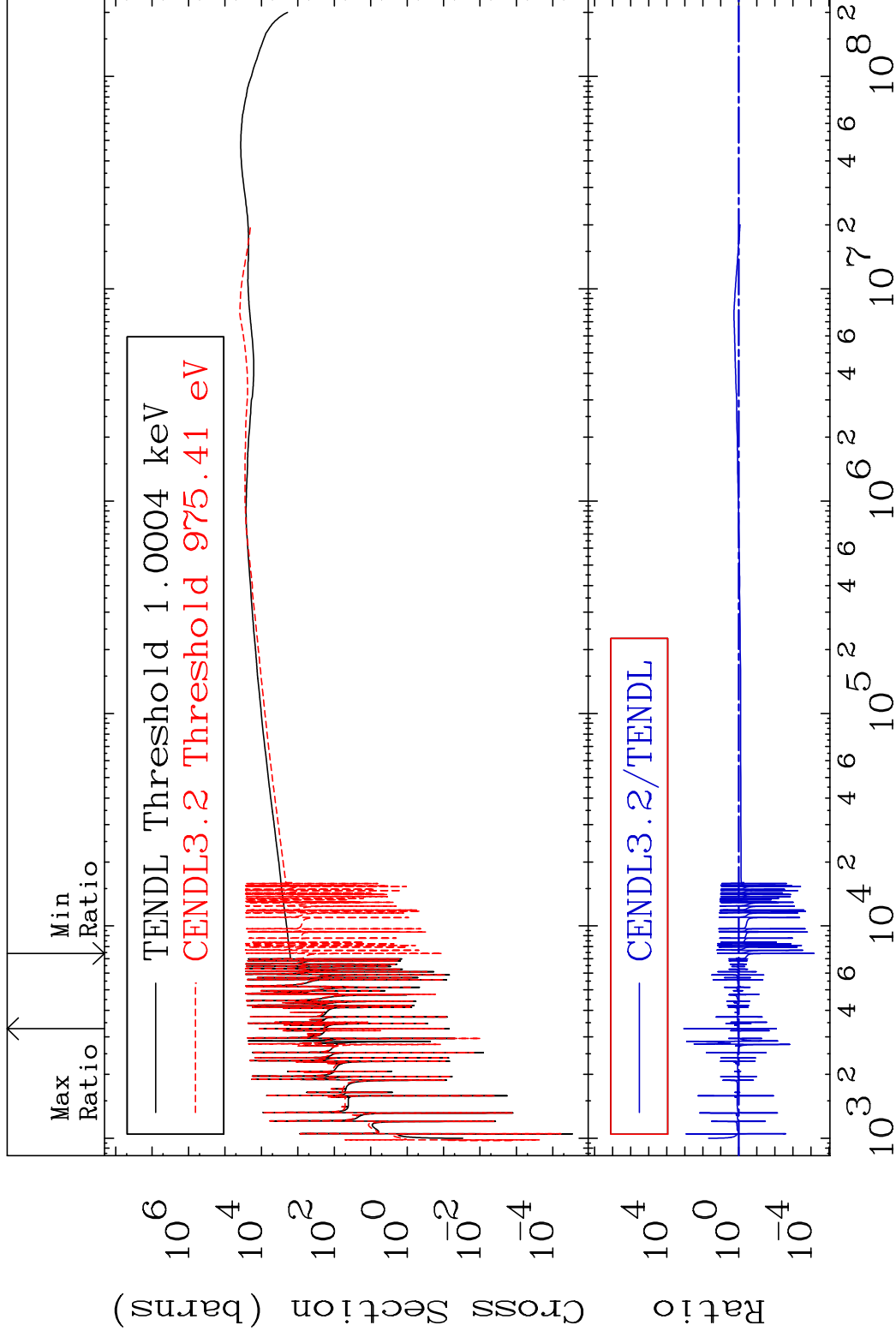


MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %

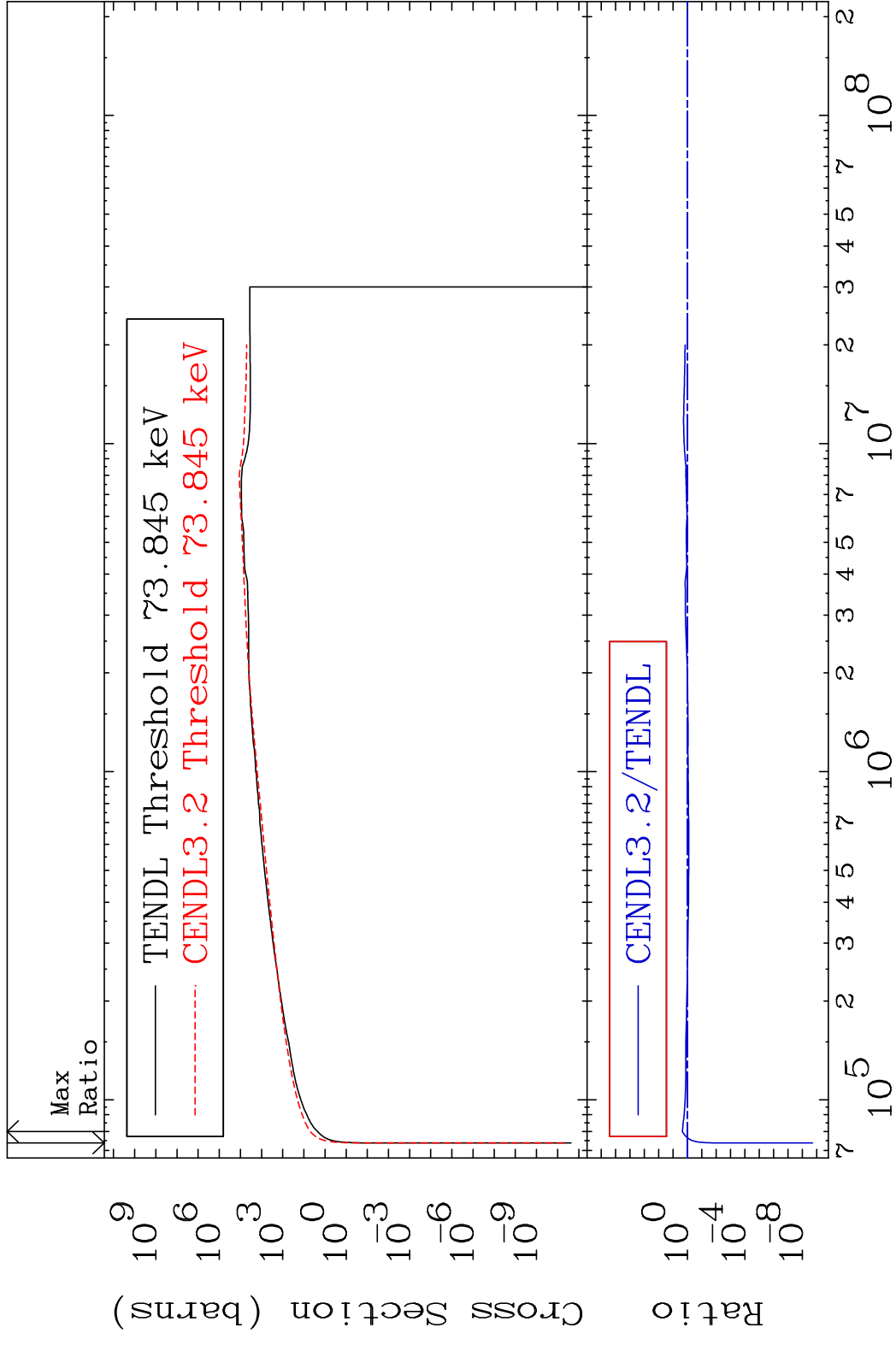


39

Incident Energy (eV)

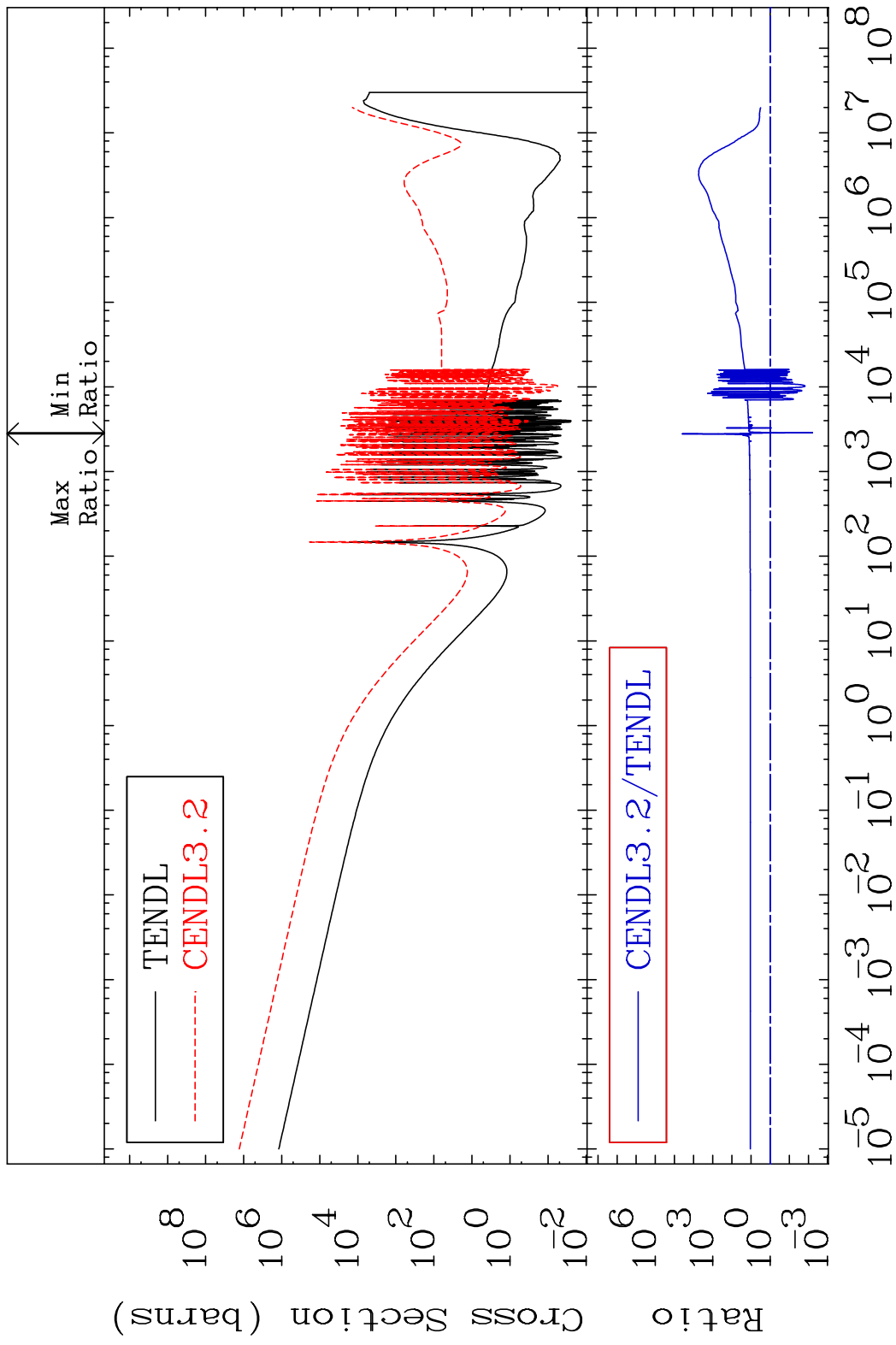
66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
 Cross Section -100.0 To 122.1 %

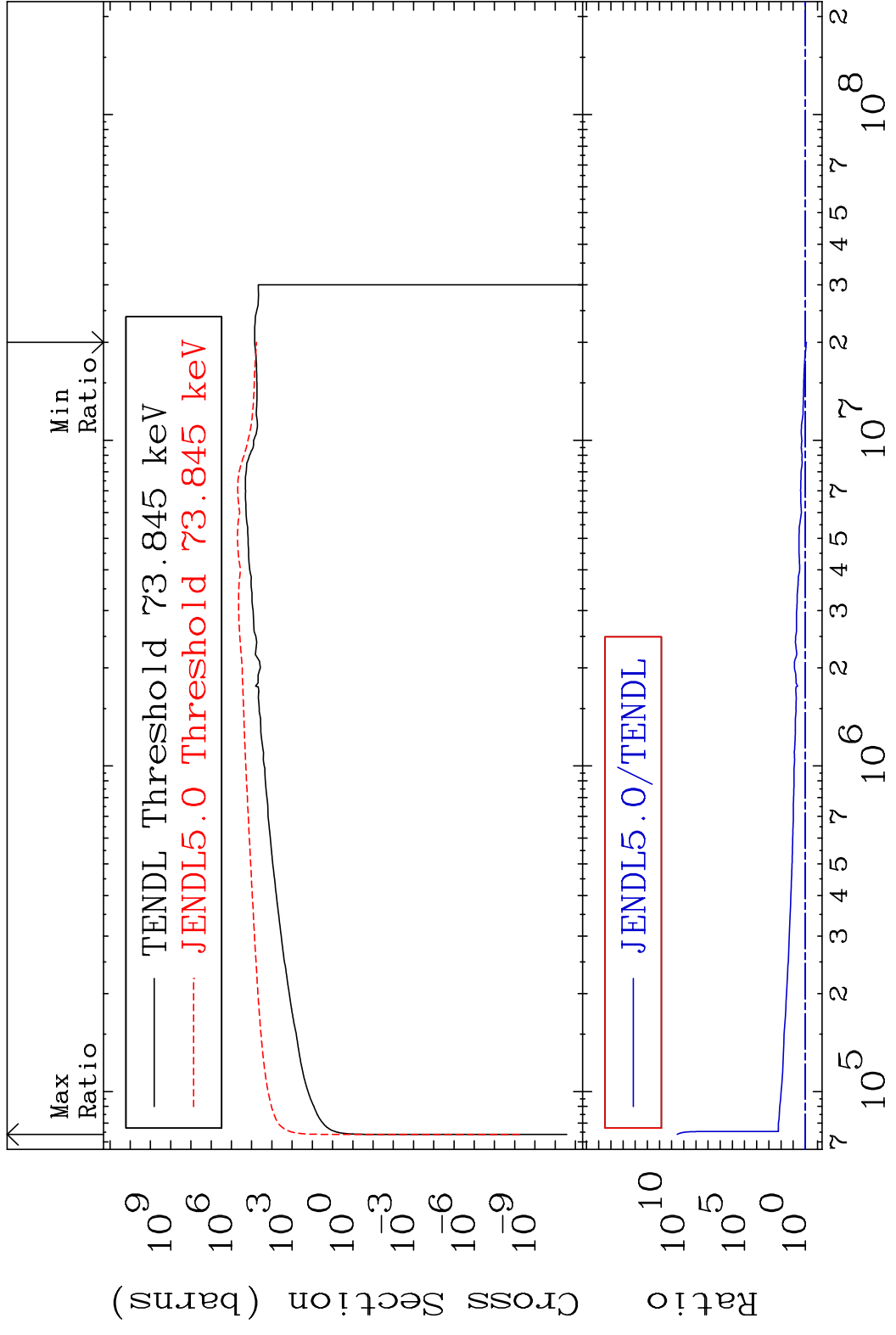


40 Incident Energy (eV) 66-Dy-164

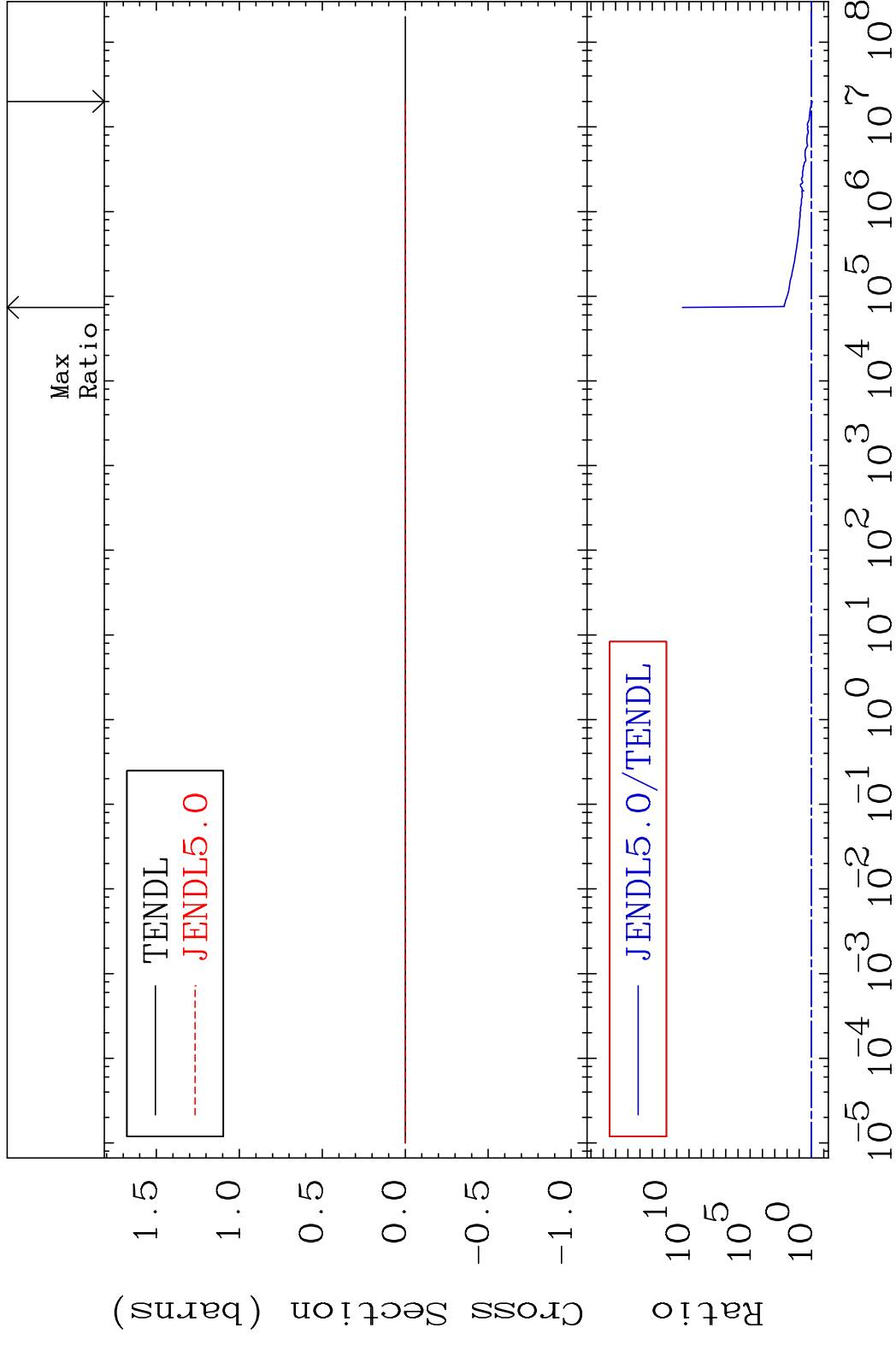
MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -99.39 To 9999. %



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

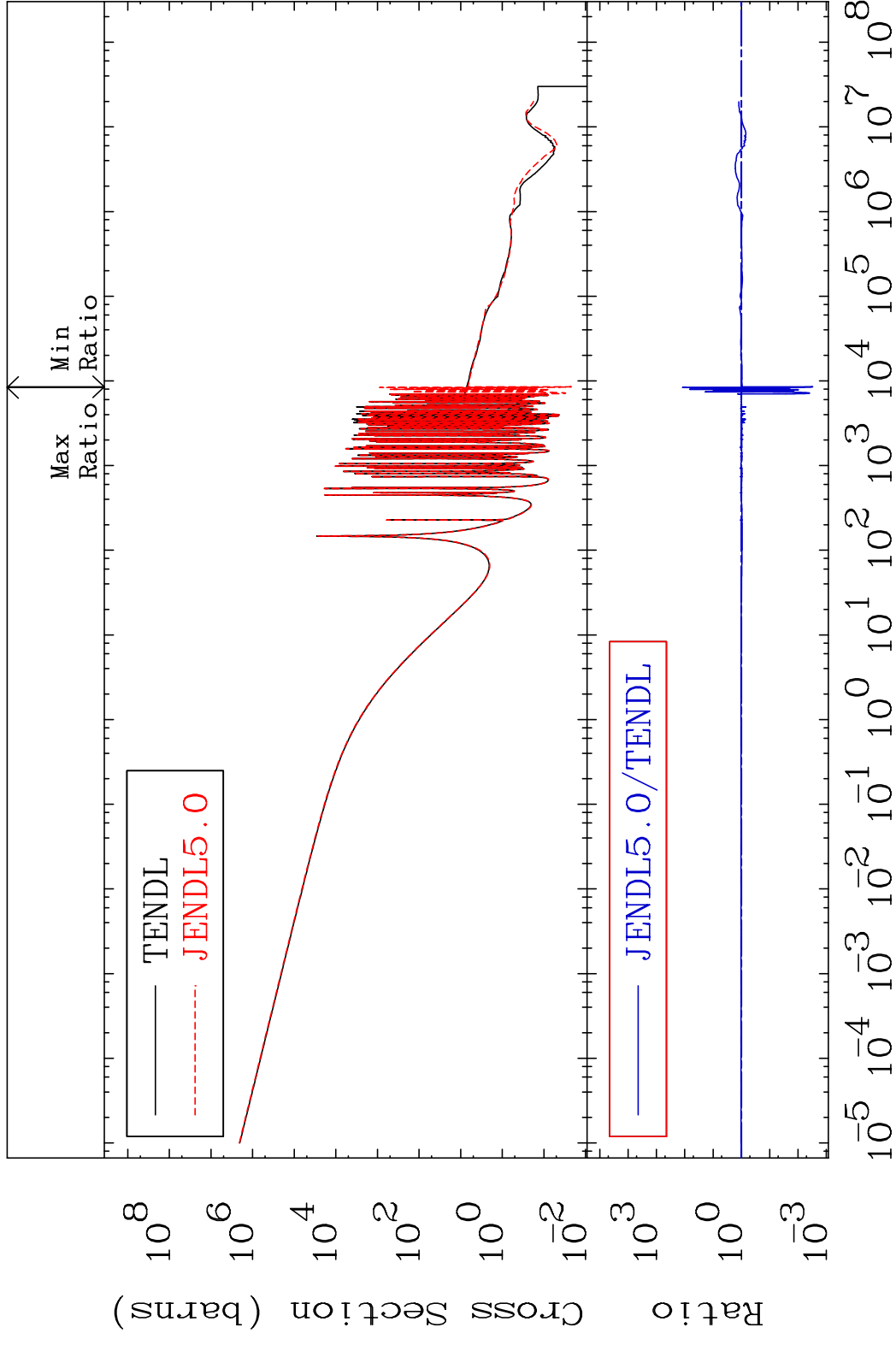


MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -18.70 To 9999. %



MAT 6649

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

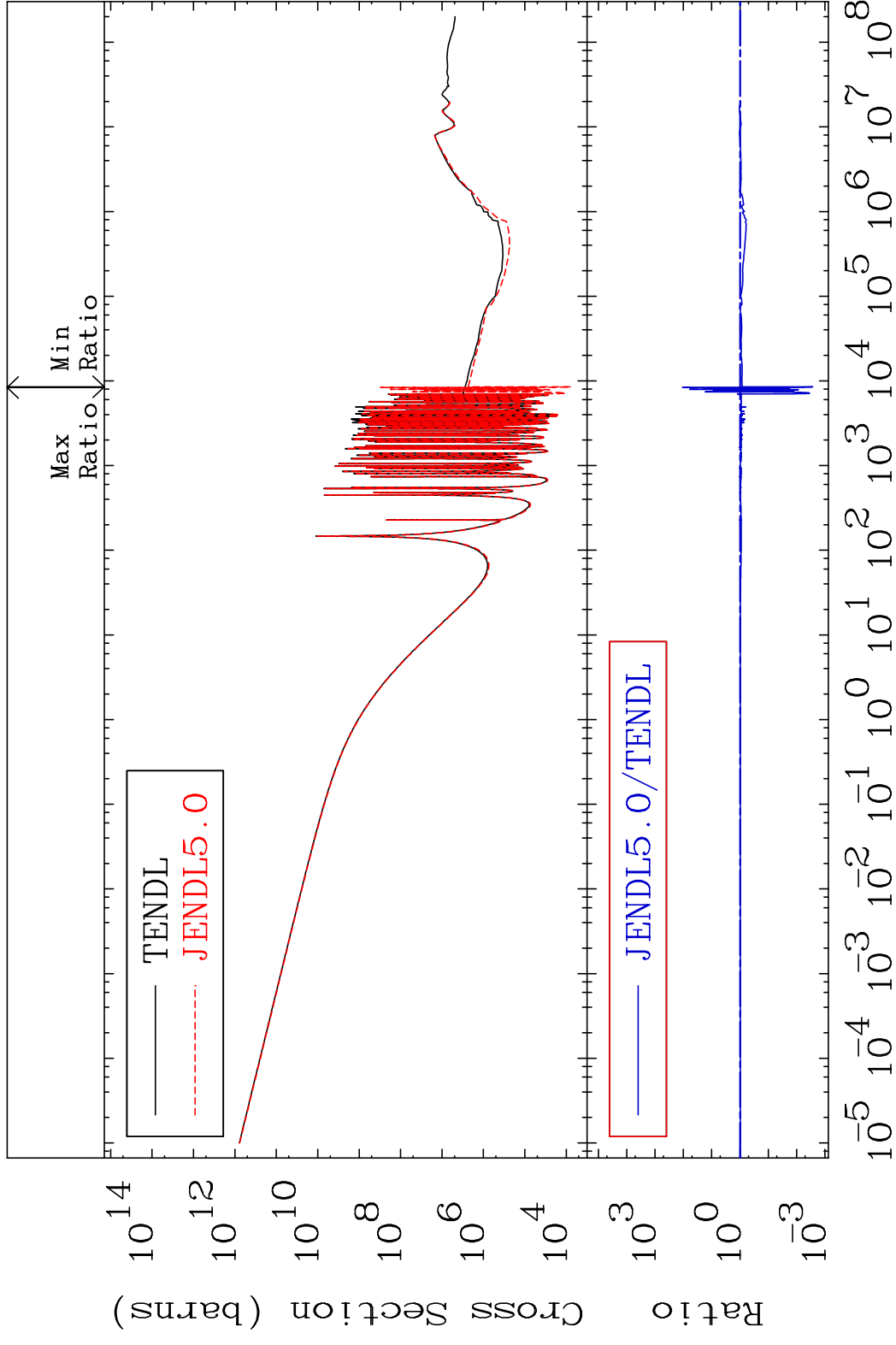


44

Incident Energy (eV) 66-Dy-164

MAT 6649

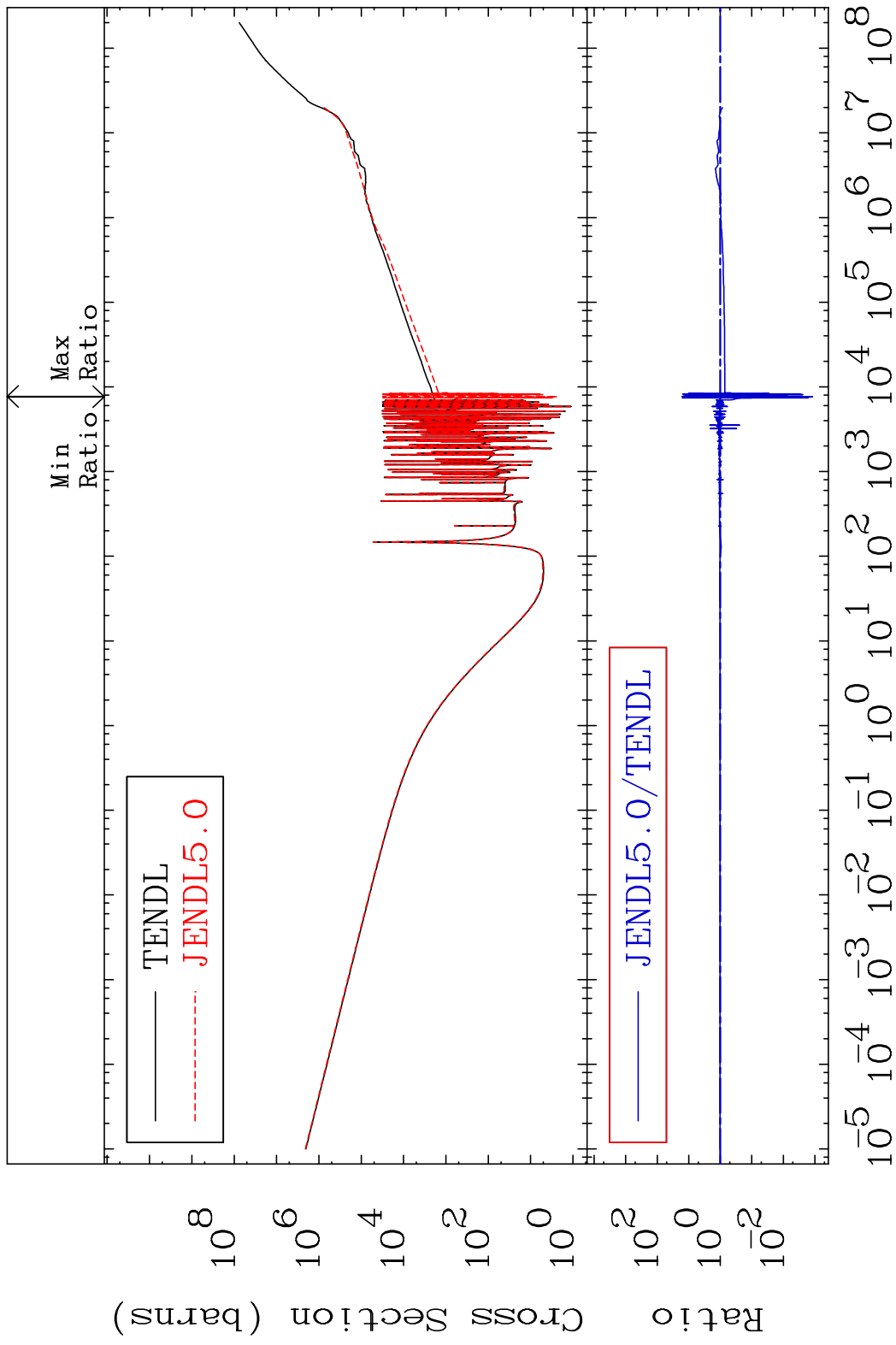
Total photon (eV-barns) 66-Dy-164
Cross Section -99.73 To 9999. %



45

Incident Energy (eV) 66-Dy-164

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

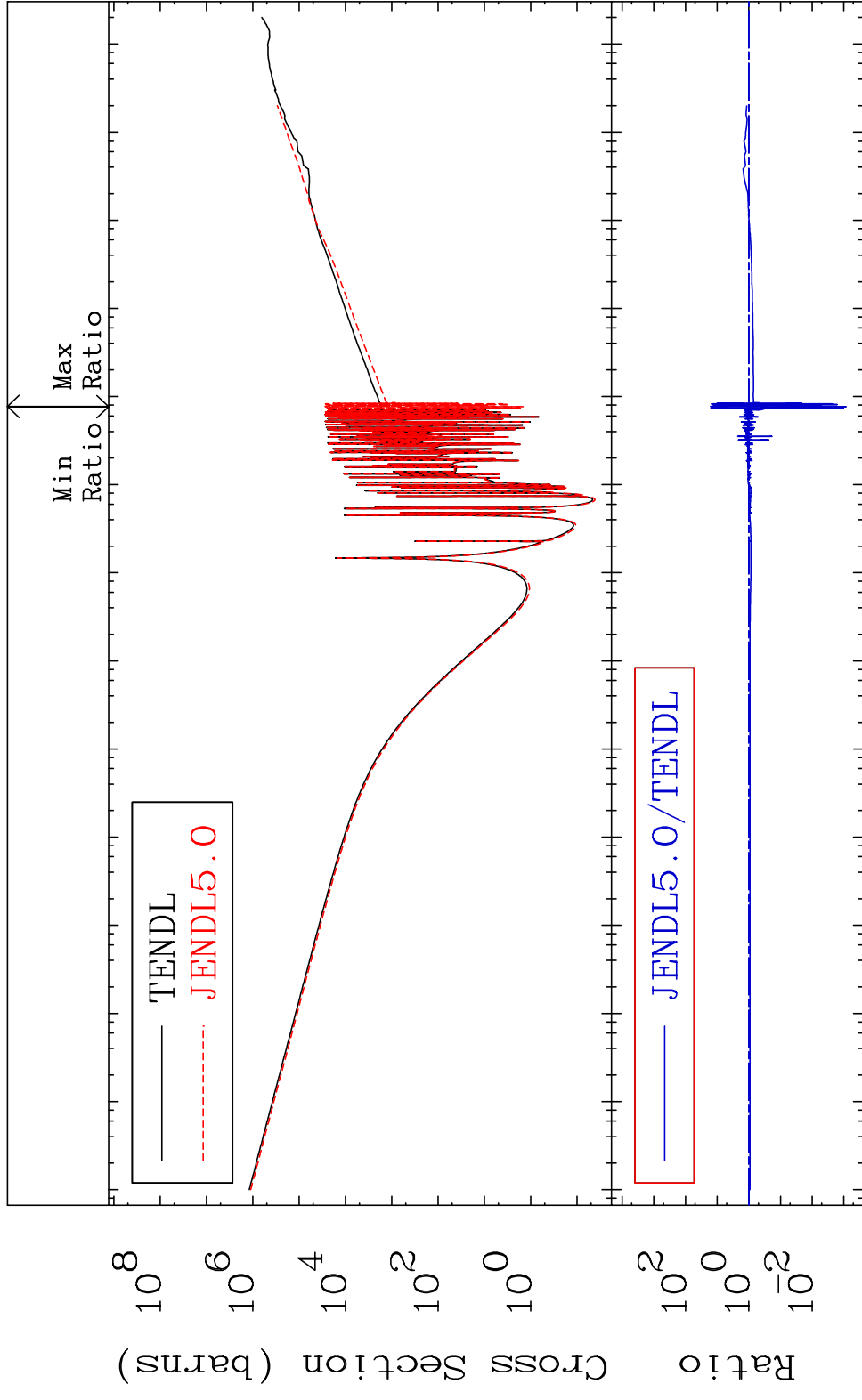


MAT 6649

Dpa total (eV-barns)

66-Dy-164

Cross Section -99.92 To 1502. %



47

Incident Energy (eV)

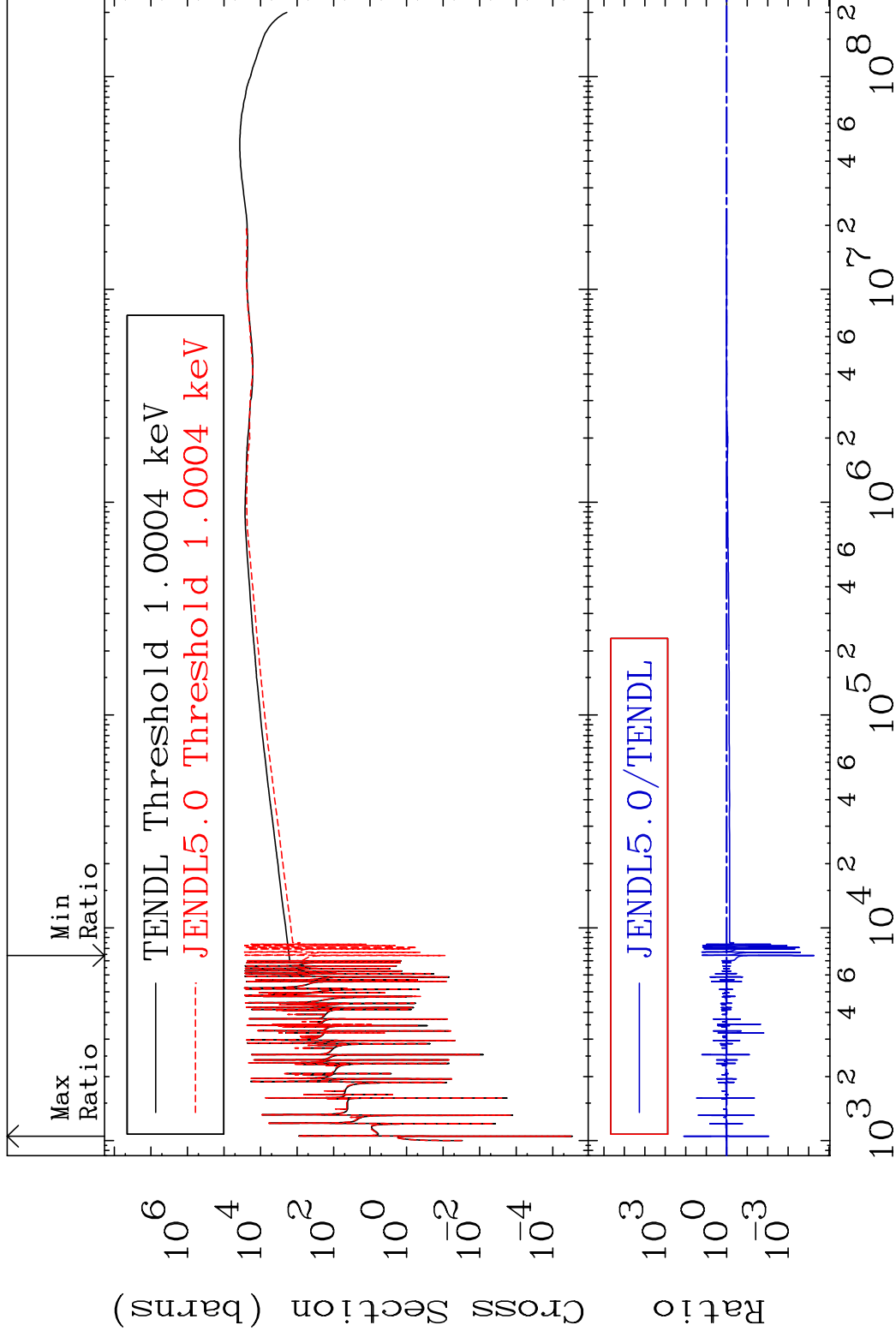
66-Dy-164

MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %

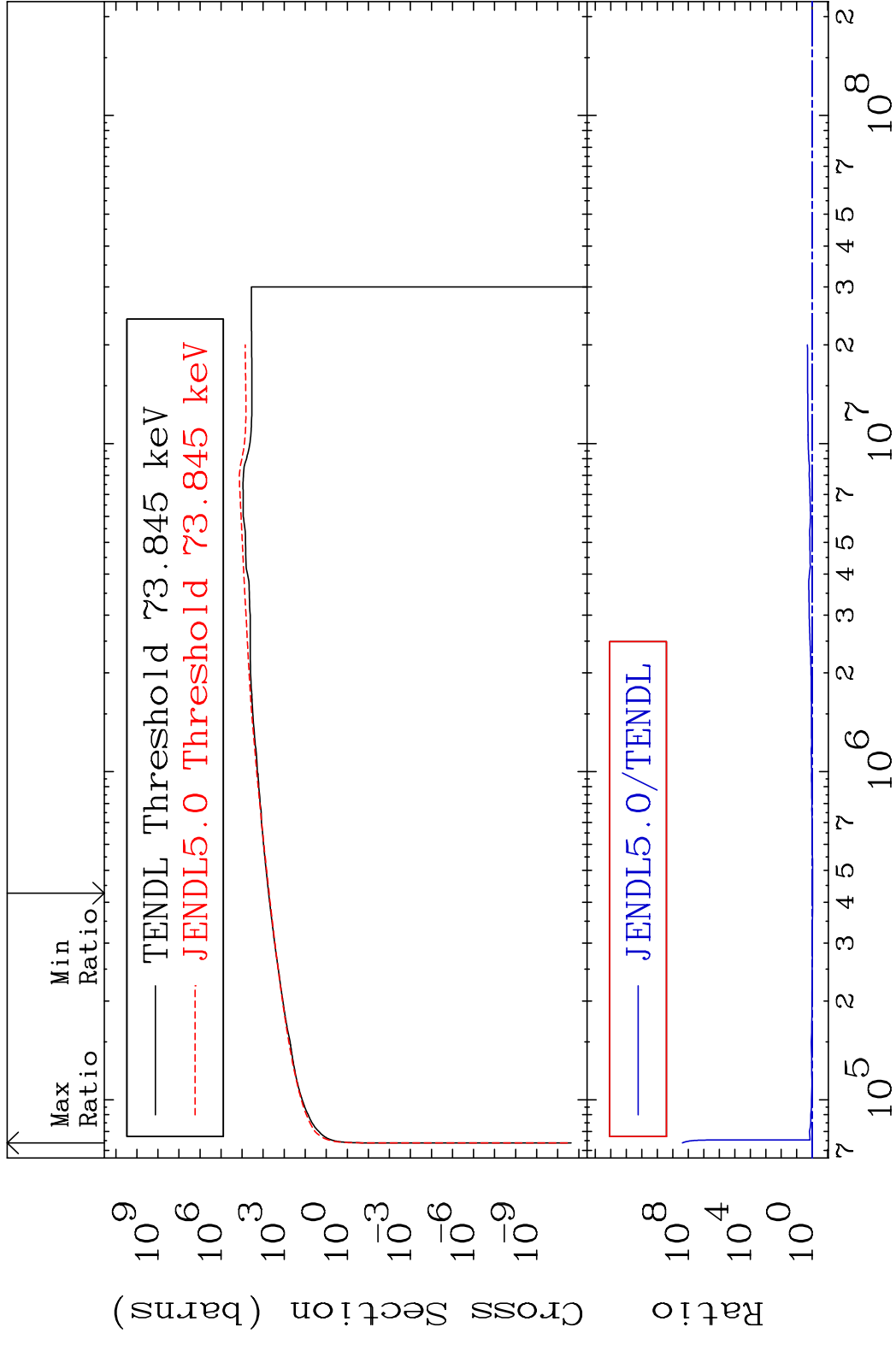


48

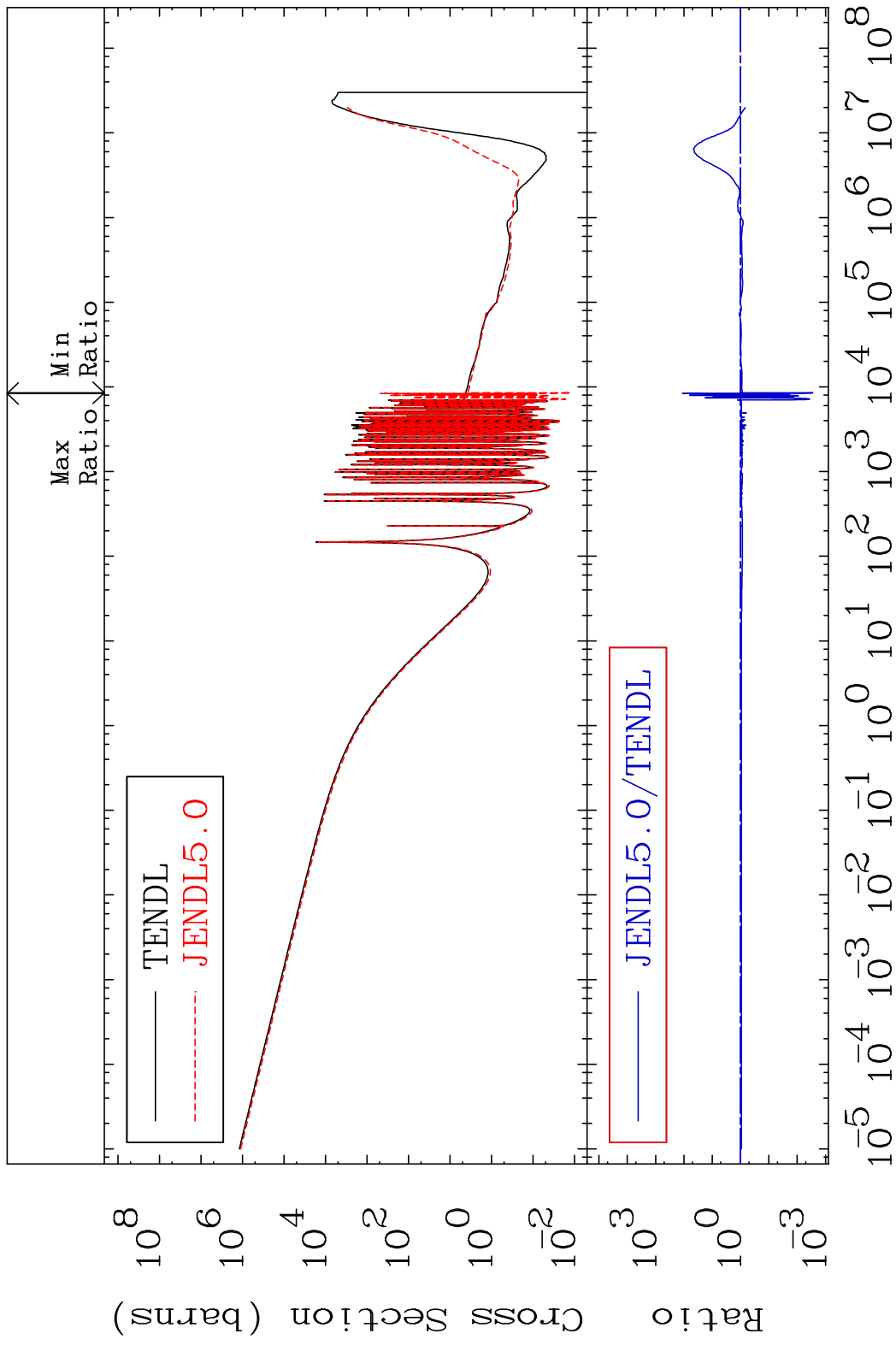
Incident Energy (eV)

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. %

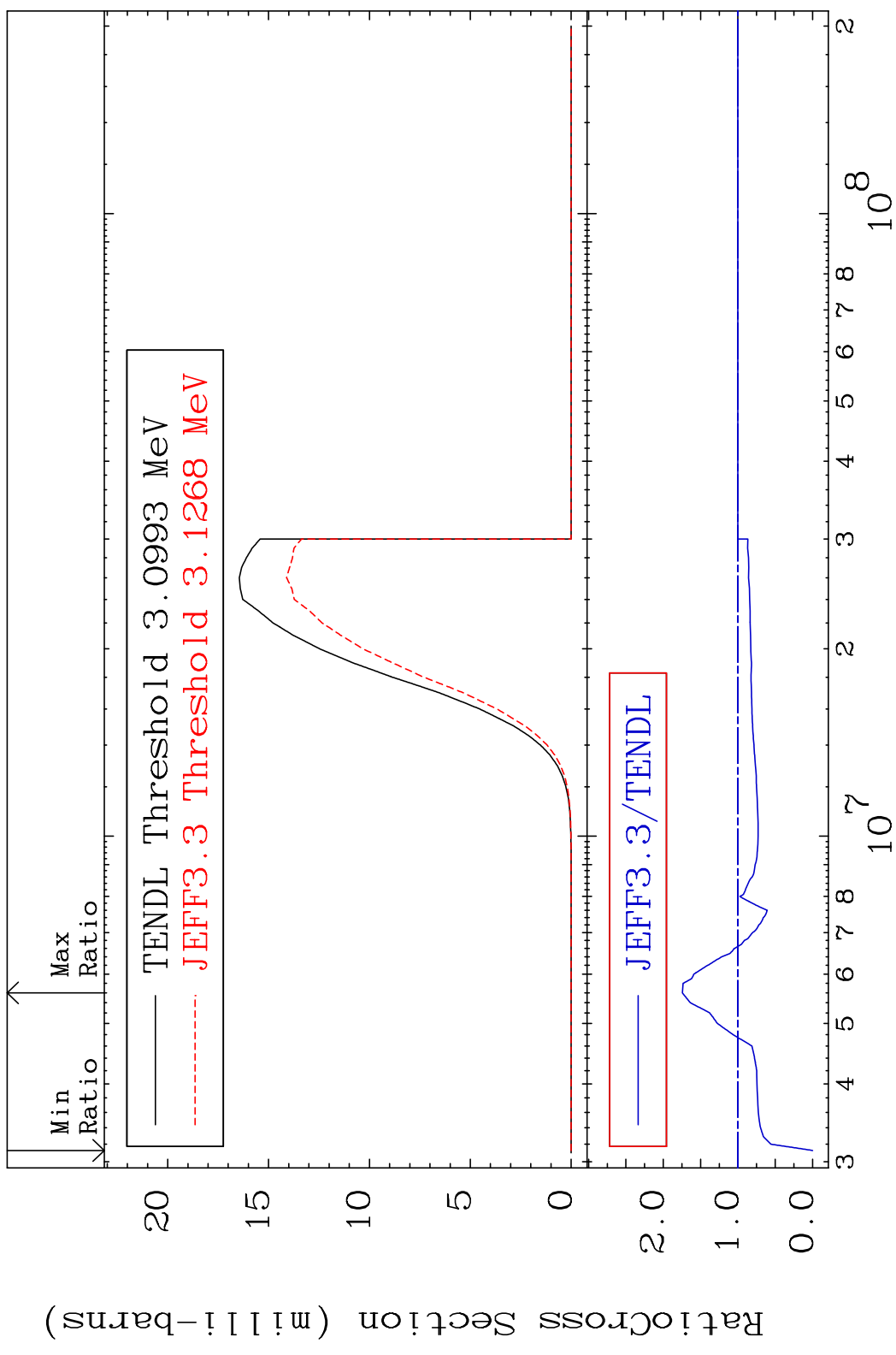


MAT 6649

(n,p)

66-Dy-164

Cross Section -100.0 To 74.42 %

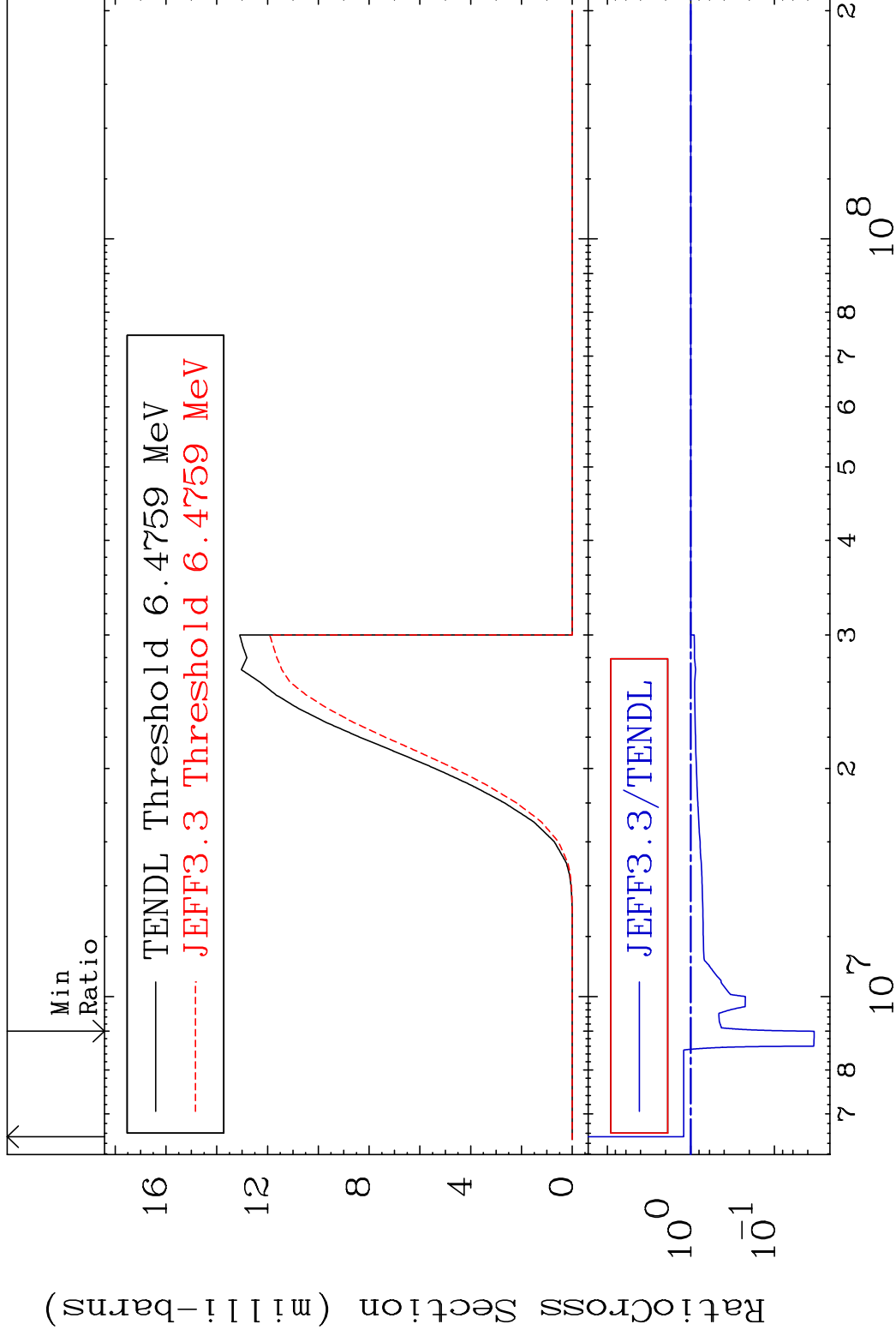


MAT 6649

(n,d)

66-Dy-164

Cross Section -96.65 To 22.01 %



52

Incident Energy (eV)

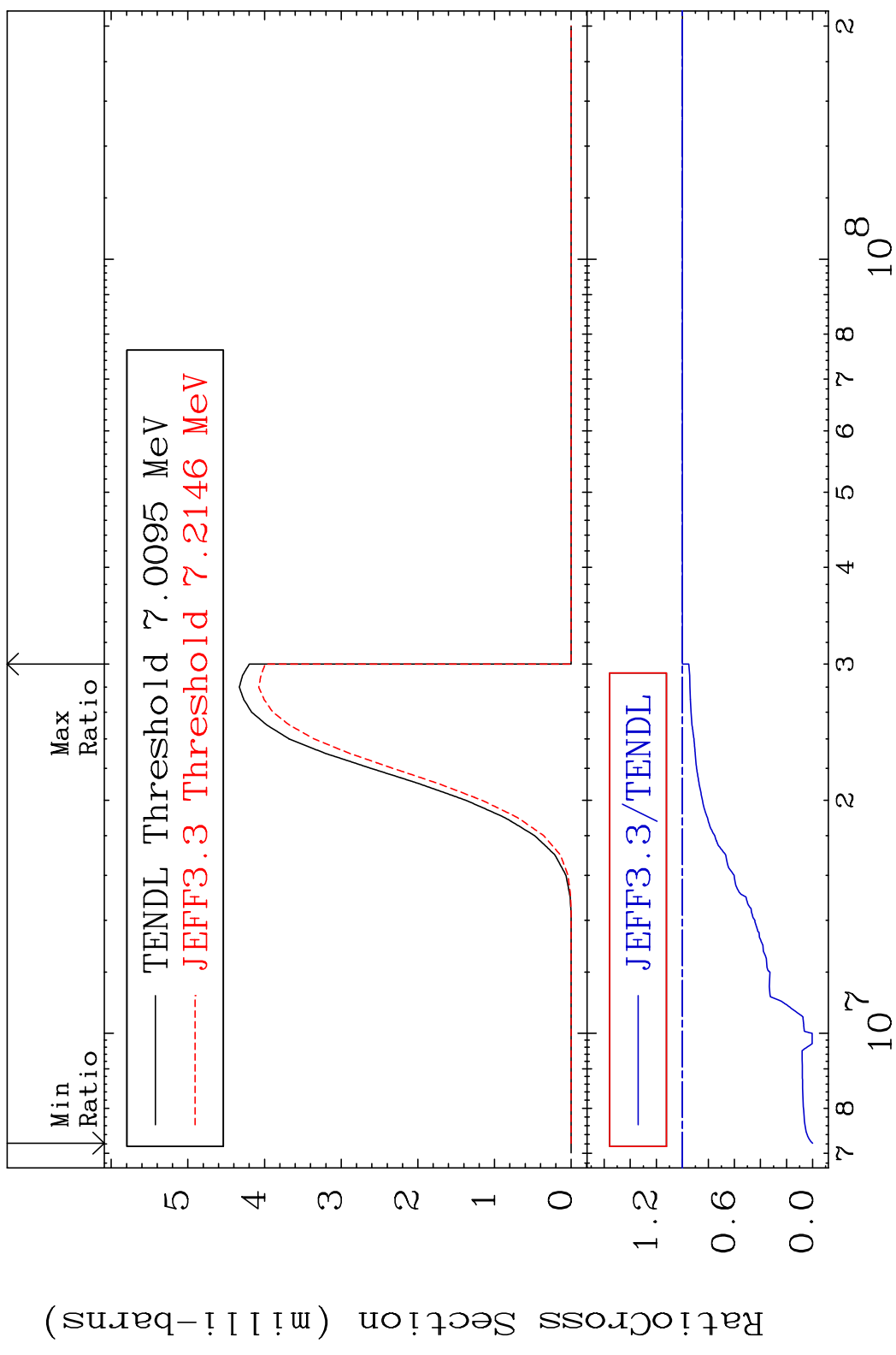
66-Dy-164

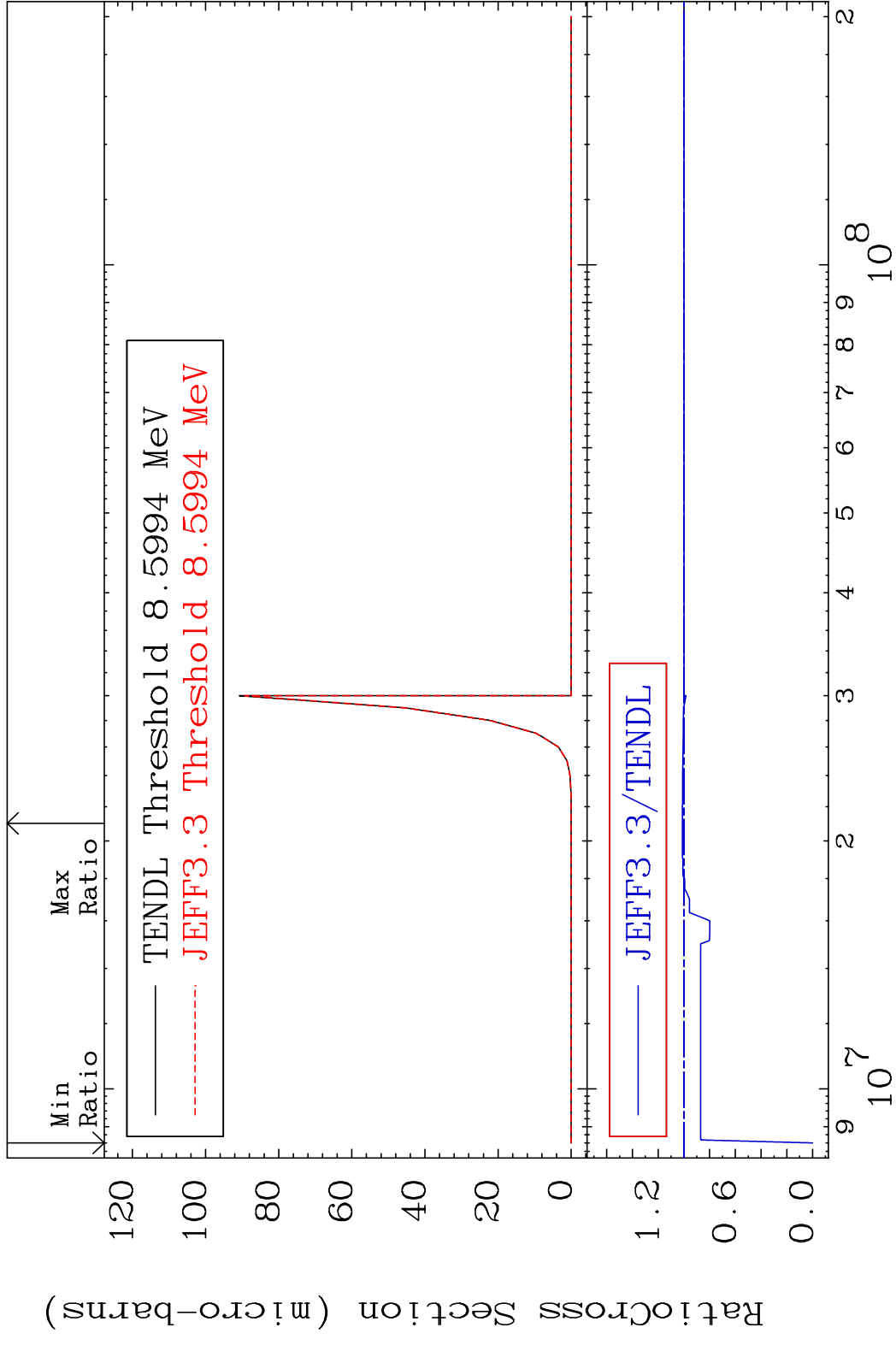
MAT 6649

(n, t)

66-Dy-164

Cross Section -100.0 To 0.000 %



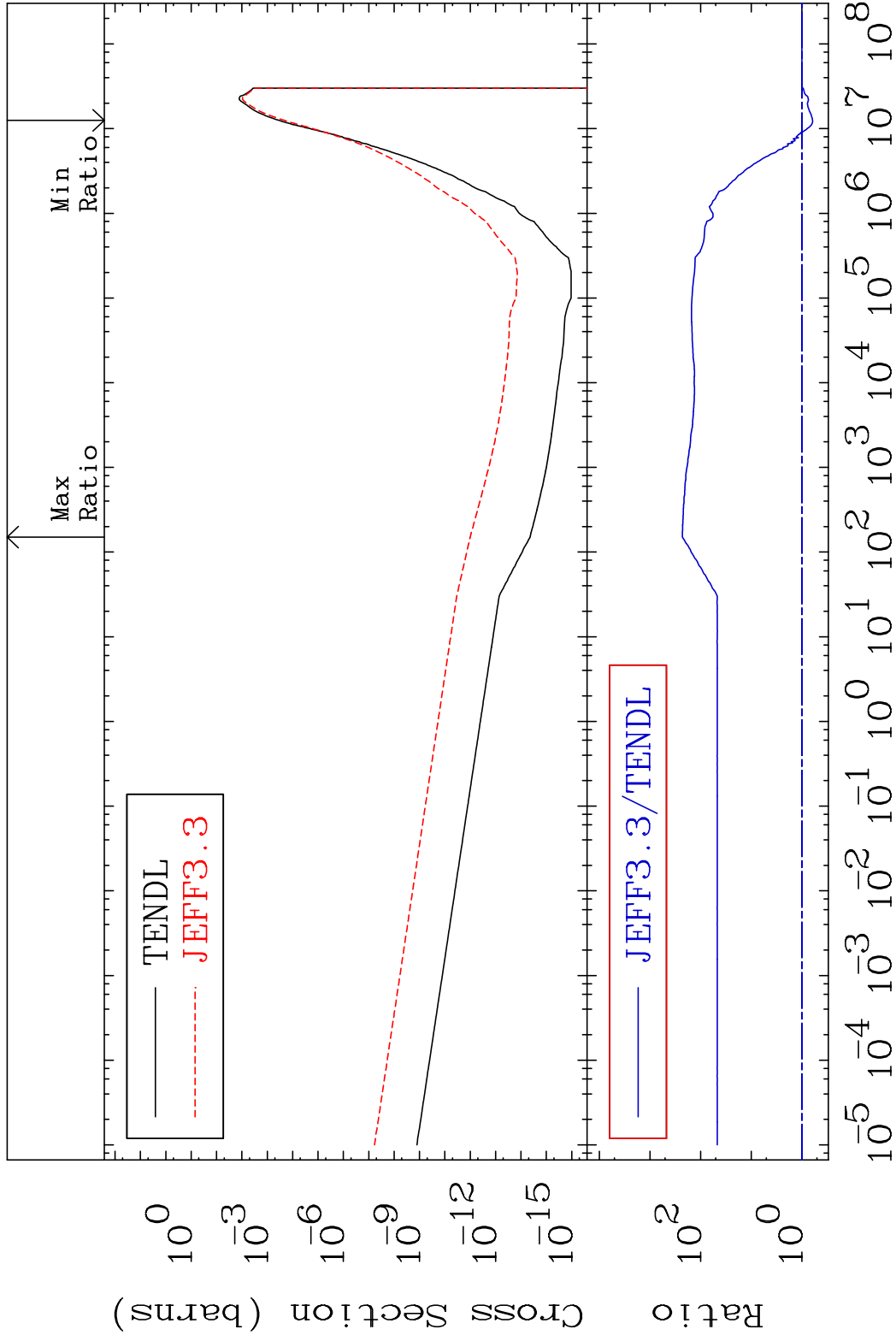


MAT 6649

(n, α)

66-Dy-164

Cross Section -38.68 To 9999. %



55

Incident Energy (eV)

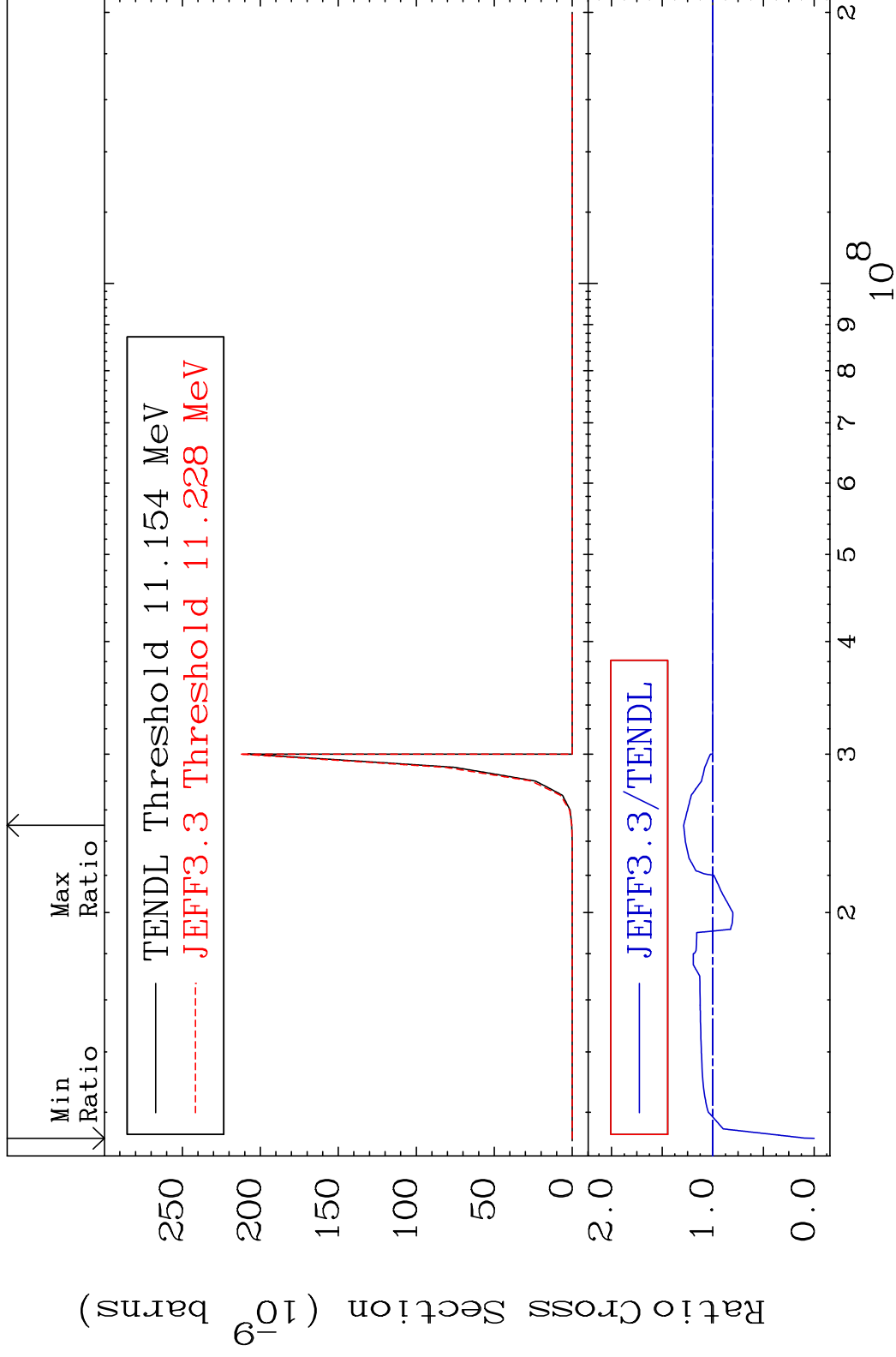
66-Dy-164

MAT 6649

(n,2p)

66-Dy-164

Cross Section -100.0 To 28.78 %



56

Incident Energy (eV)

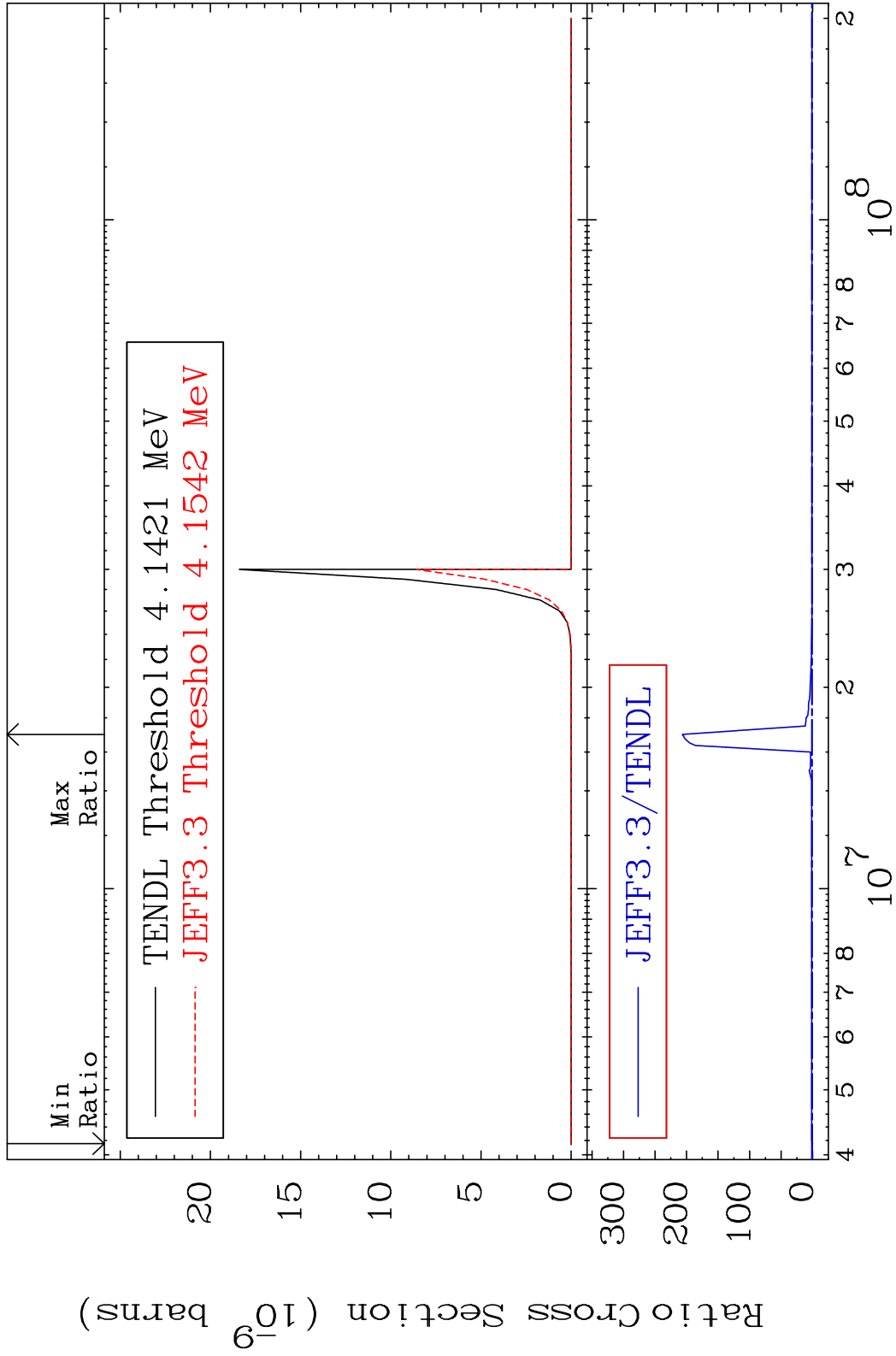
66-Dy-164

MAT 6649

(n,p) α

66-Dy-164

Cross Section -100.0 To 9999. %

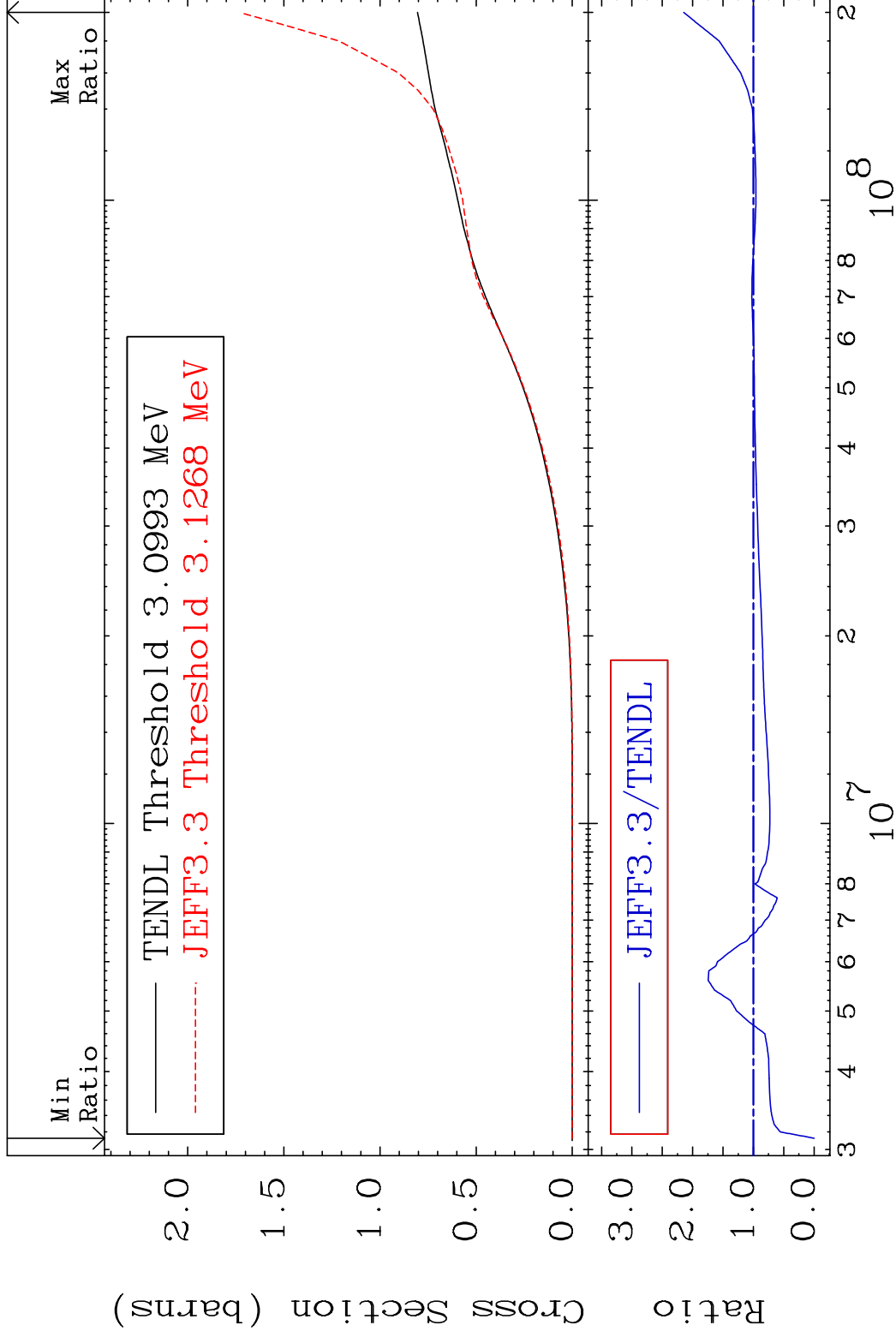


MAT 6649

Hydrogen Production

66-Dy-164

Cross Section -100.0 To 114.8 %



58

Incident Energy (eV)

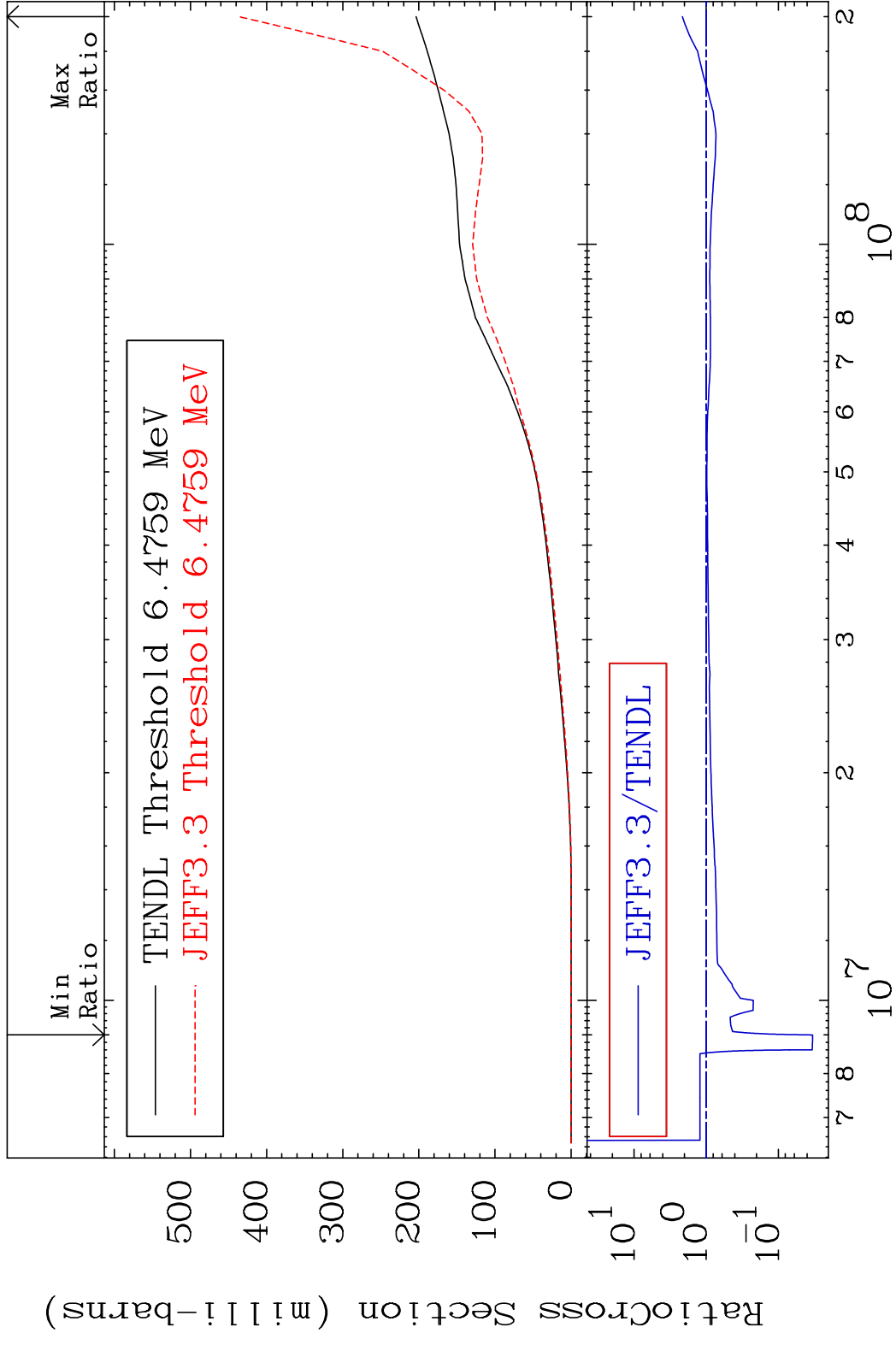
66-Dy-164

MAT 6649

Deuterium Production

66-Dy-164

Cross Section -96.65 To 113.8 %



59

Incident Energy (eV)

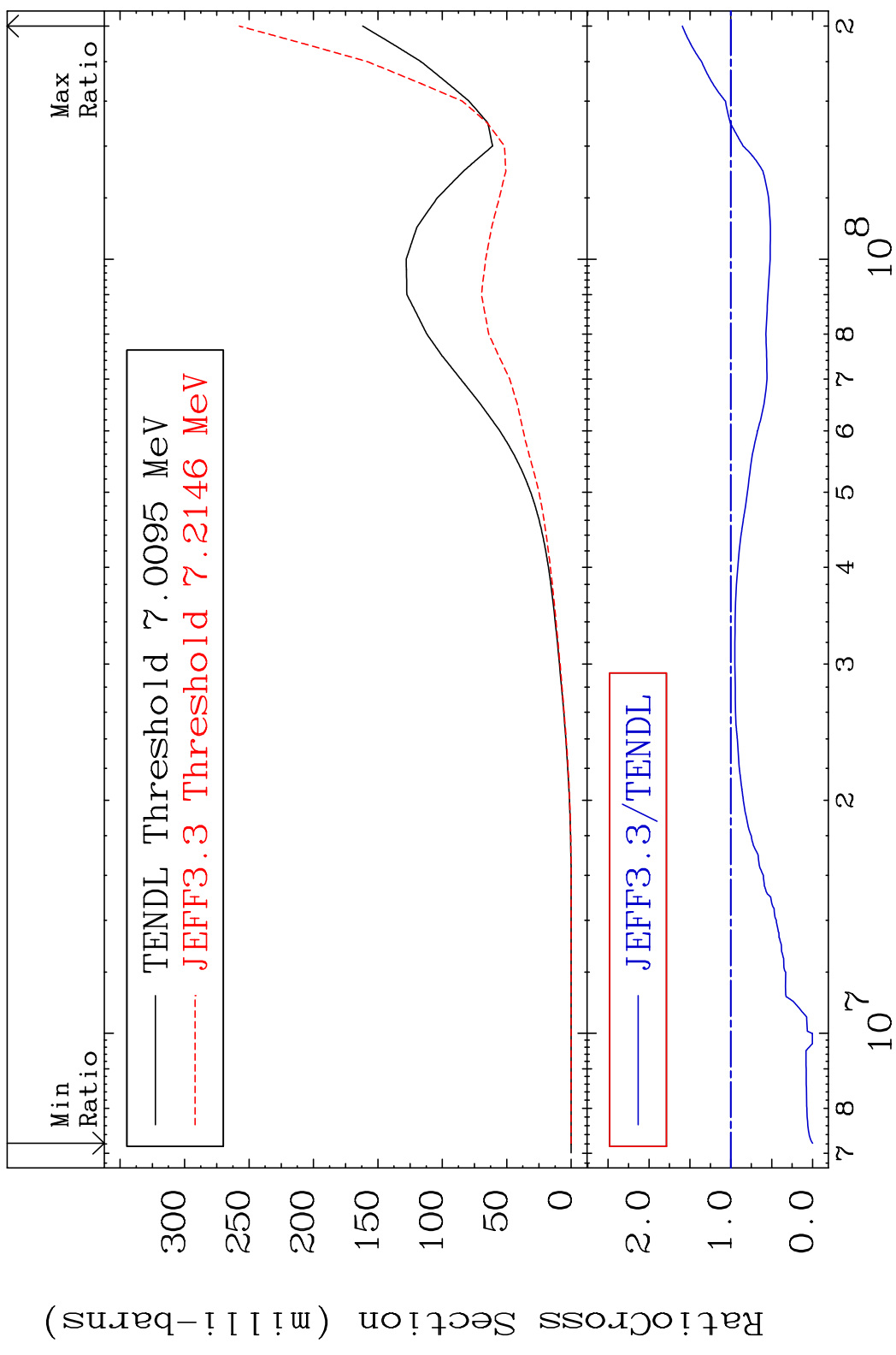
66-Dy-164

MAT 6649

Tritium Production

66-Dy-164

Cross Section -100.0 To 59.23 %



60

Incident Energy (eV)

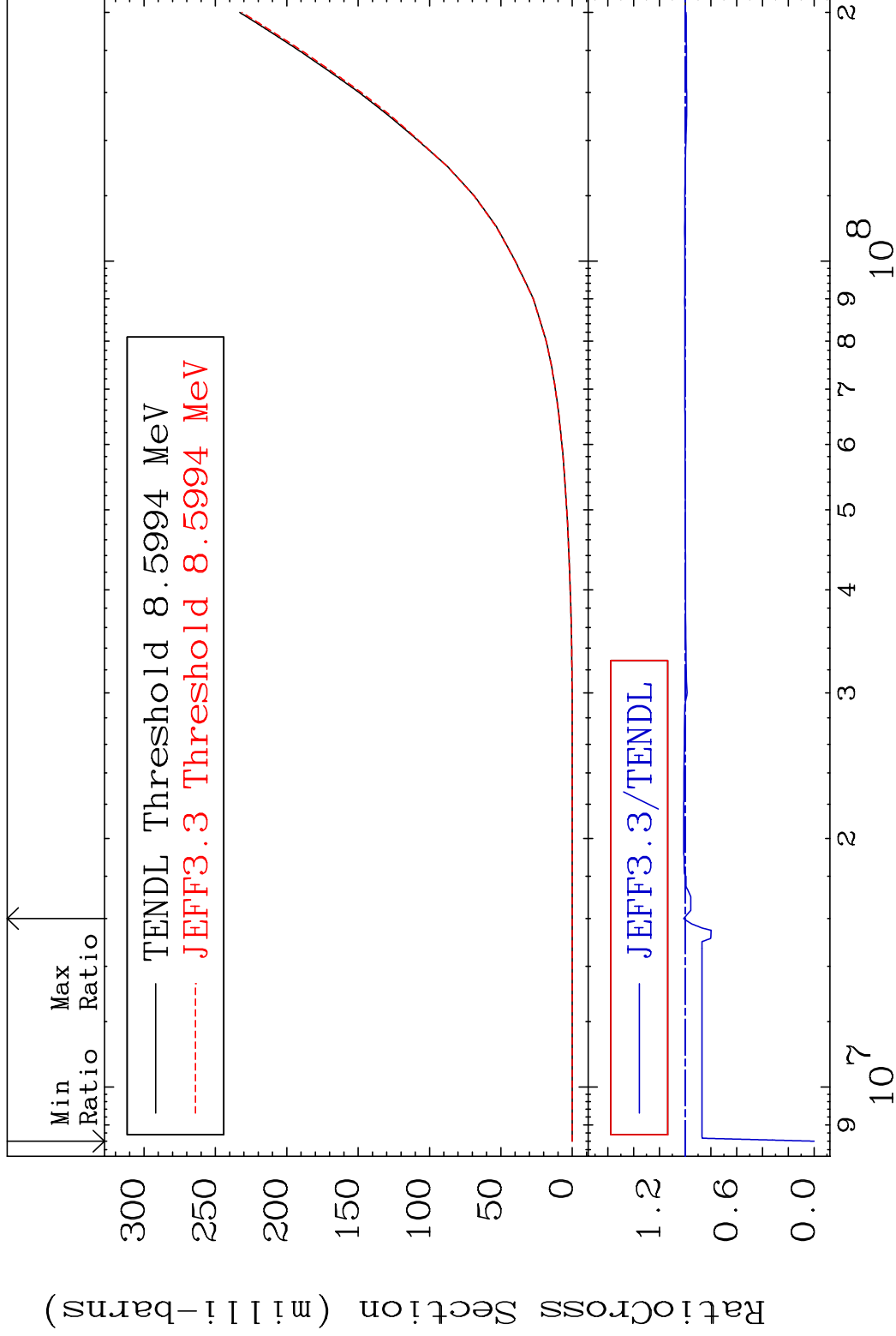
66-Dy-164

MAT 6649

He-3 Production

66-Dy-164

Cross Section -100.0 To 1.210 %



61

Incident Energy (eV)

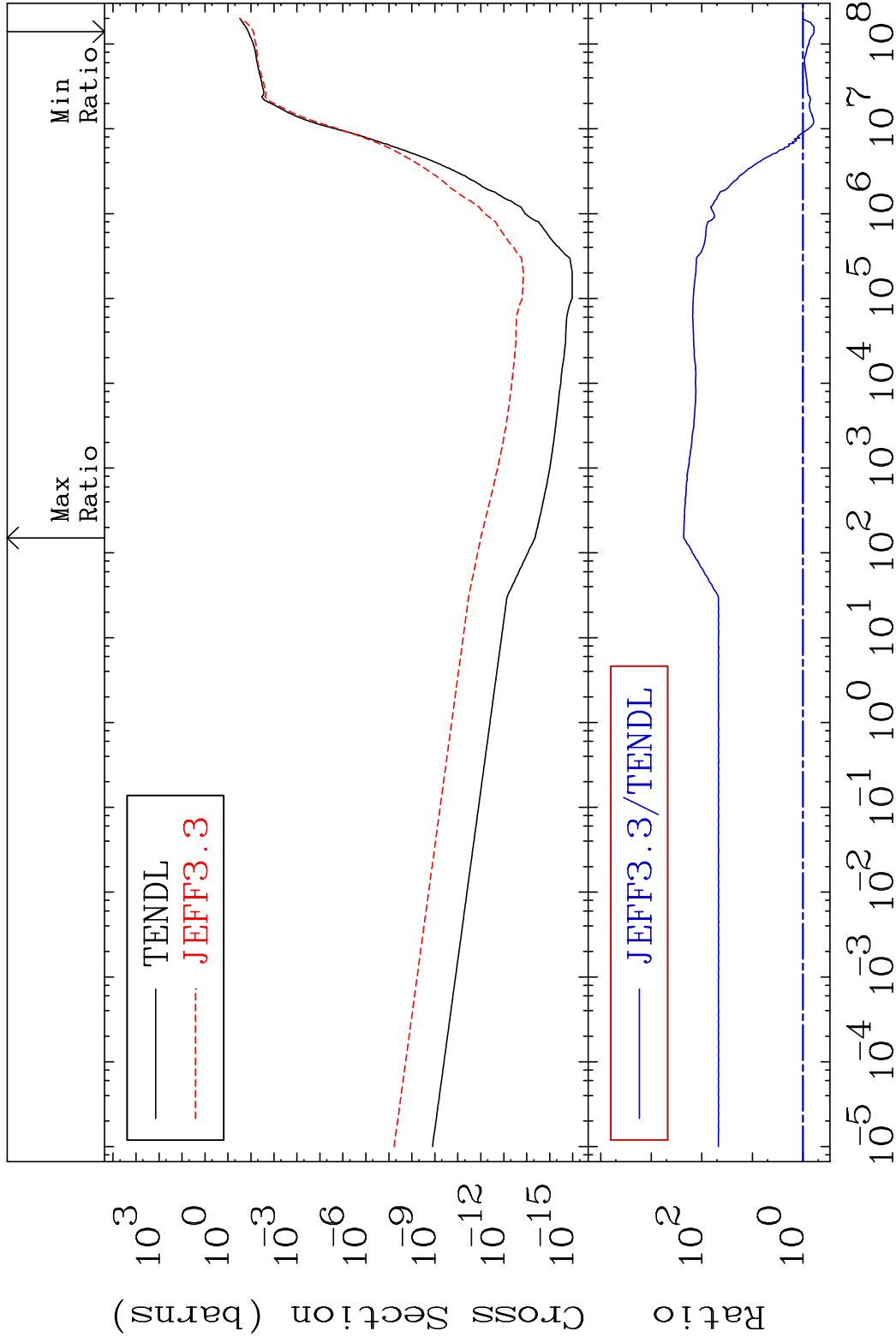
66-Dy-164

MAT 6649

He-4 Production

66-Dy-164

Cross Section -39.74 To 9999. %

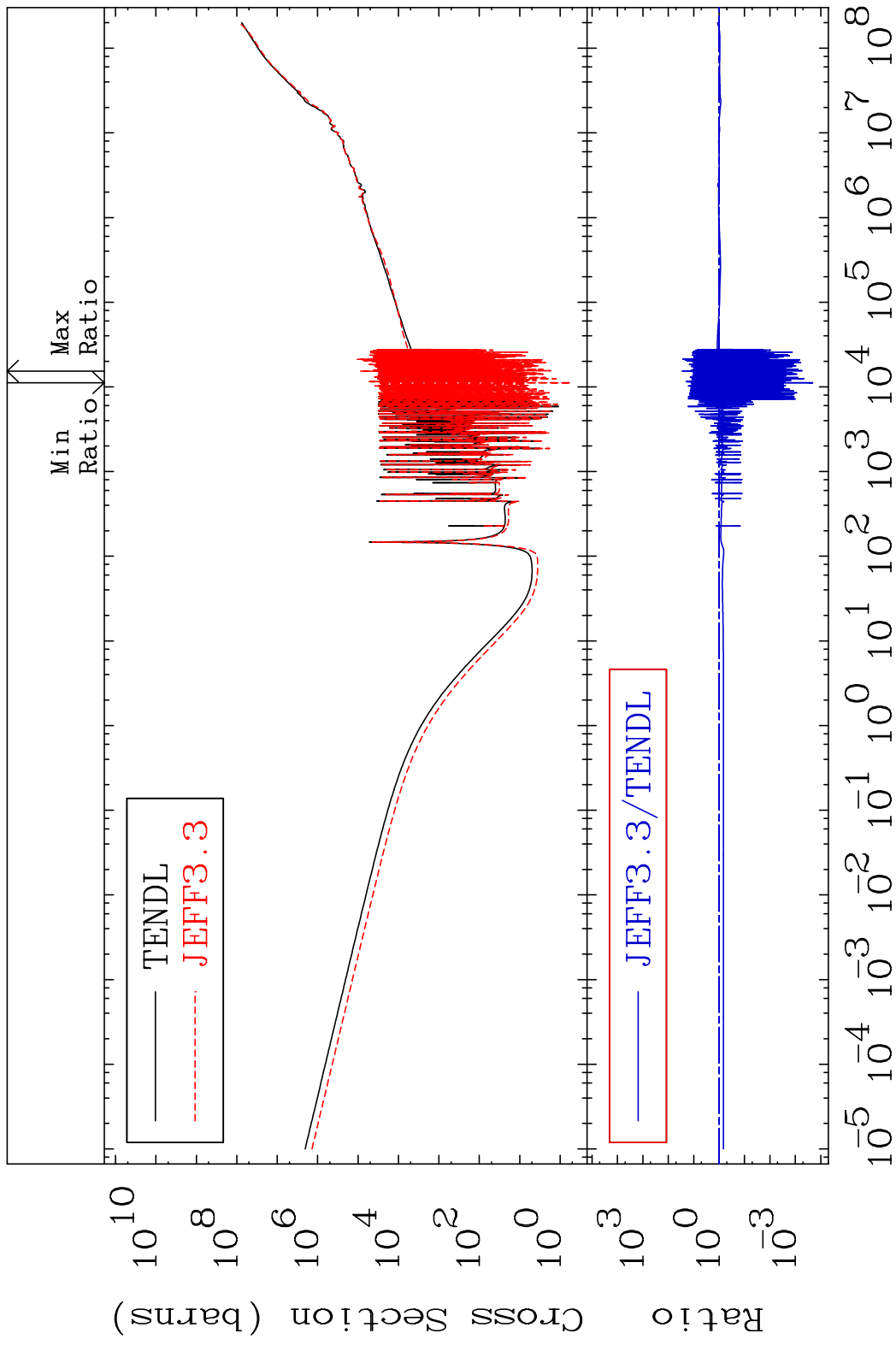


62

Incident Energy (eV)

66-Dy-164

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

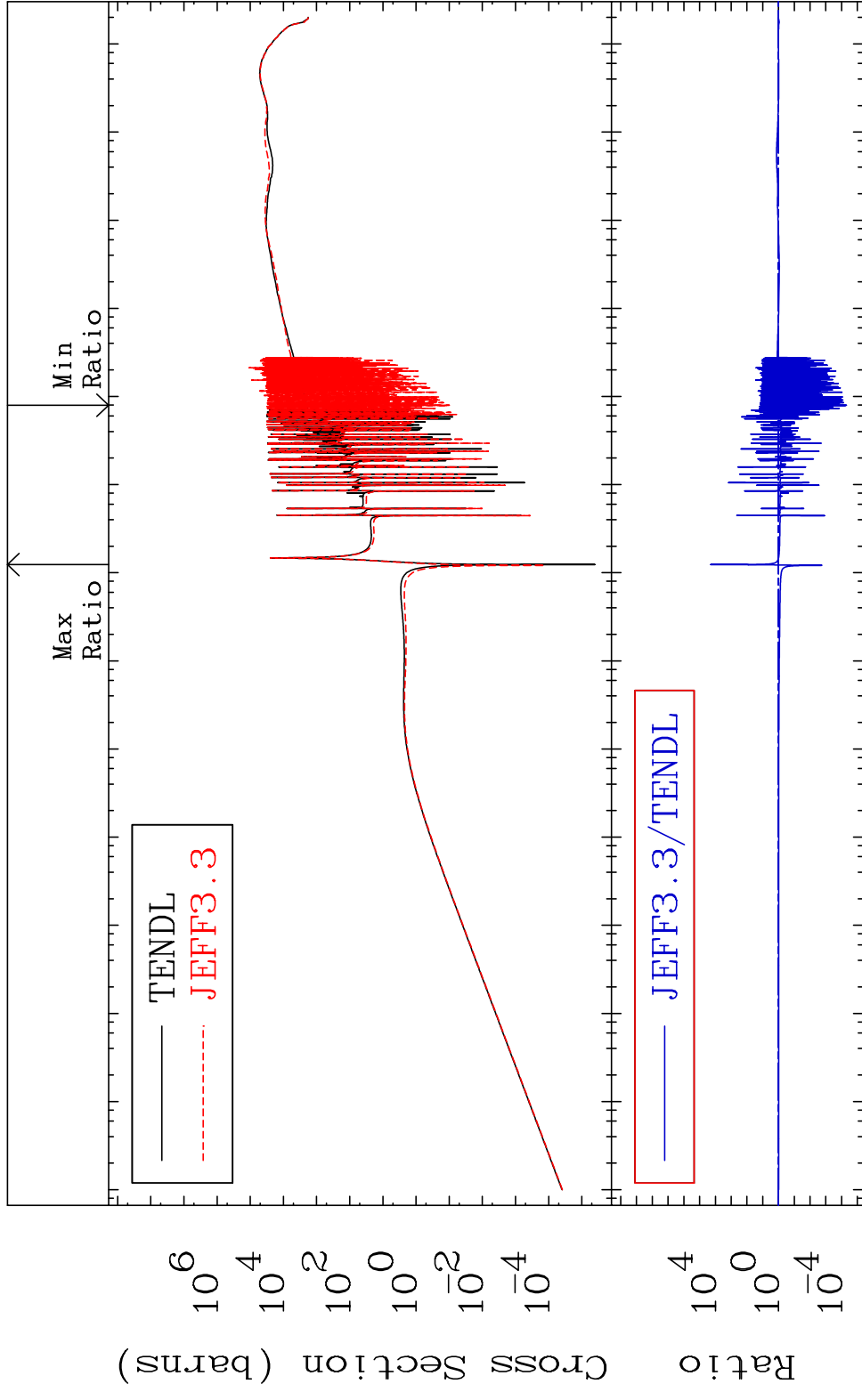


63 Incident Energy (eV) 66-Dy-164

MAT 6649

Kerma elastic
Cross Section

66-Dy-164
-99.99 To 9999. %

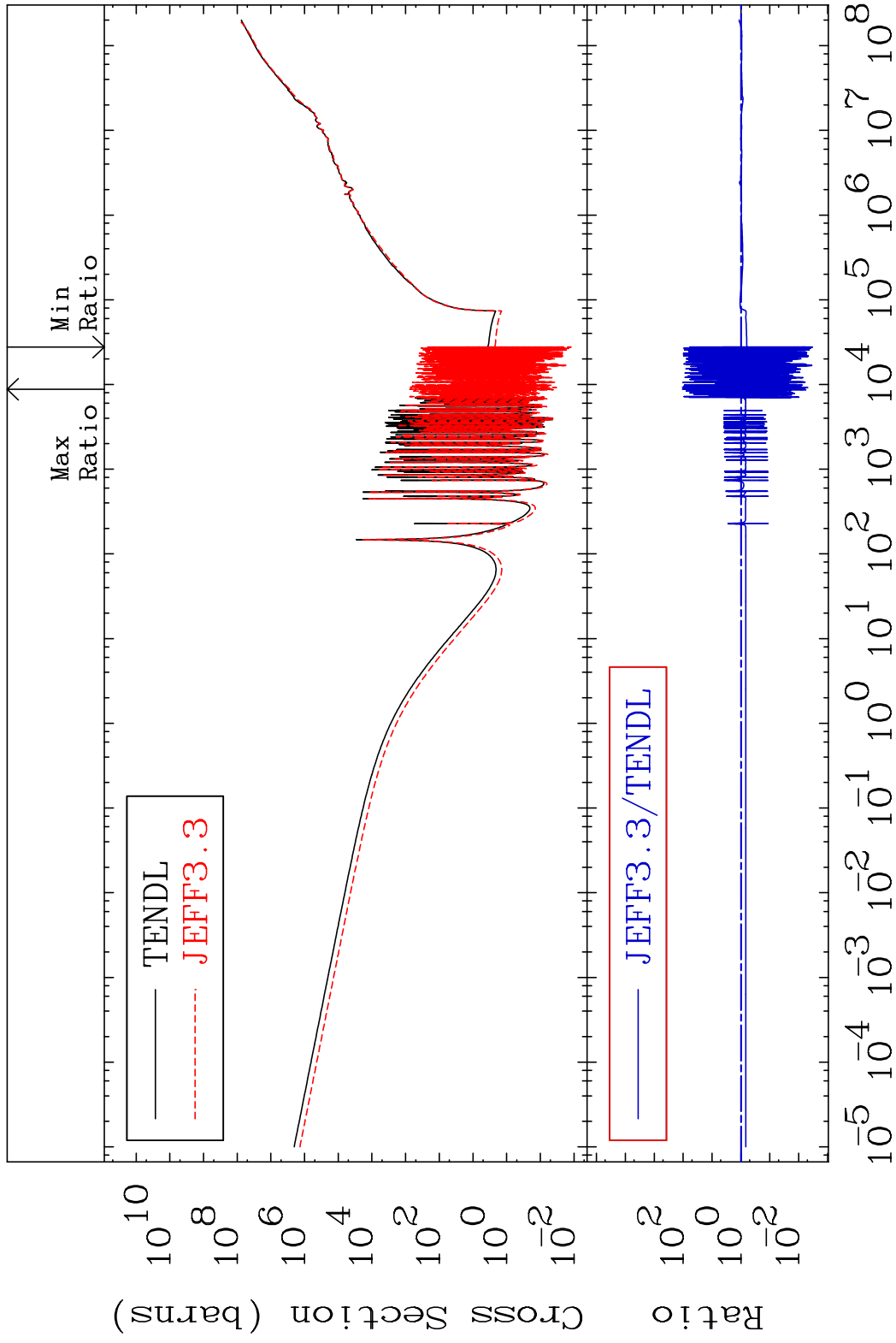


64

Incident Energy (eV)

66-Dy-164

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



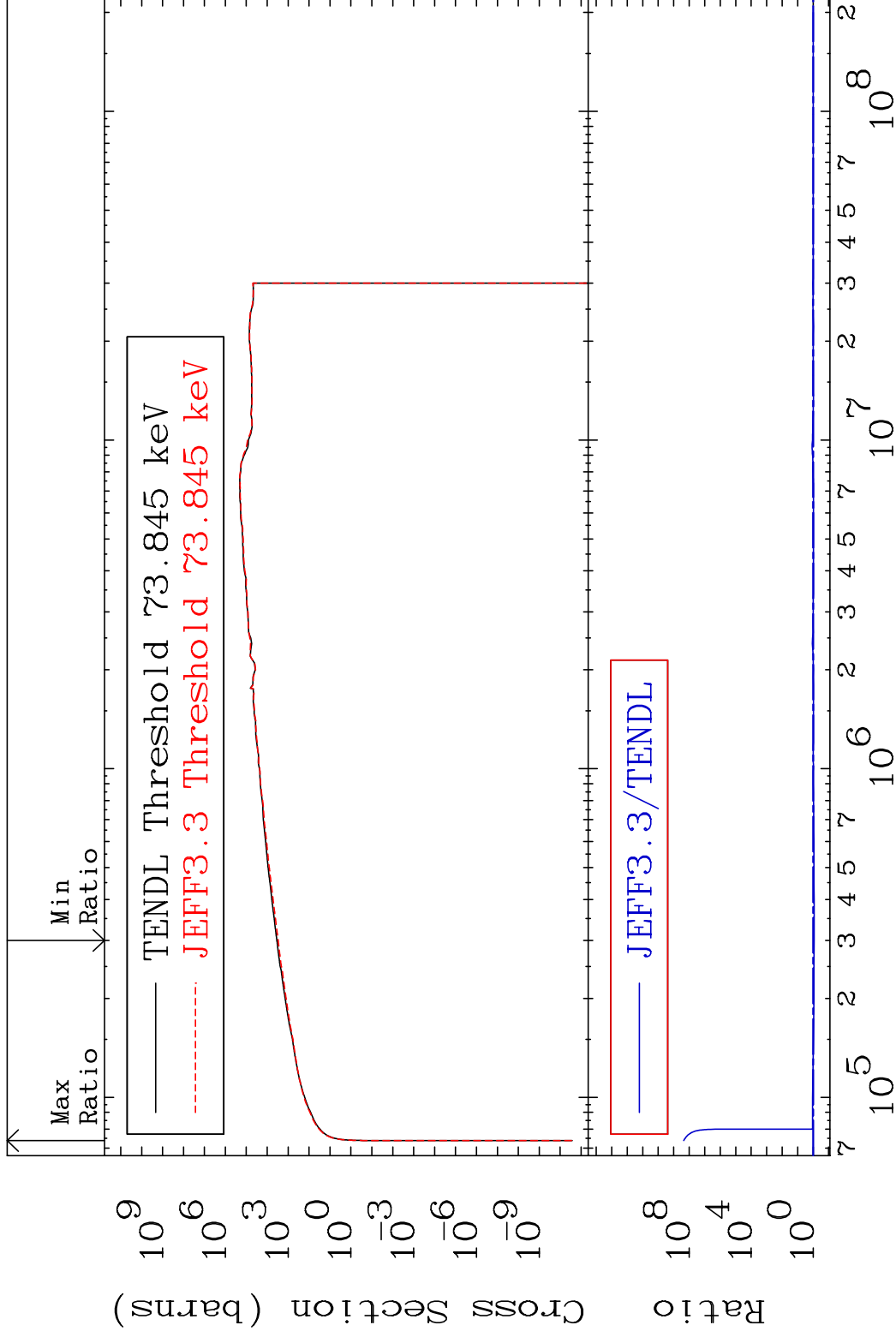
65 Incident Energy (eV) 66-Dy-164

MAT 6649

Kerma inelastic (mt51-91)

66-Dy-164

Cross Section -13.31 To 9999. %

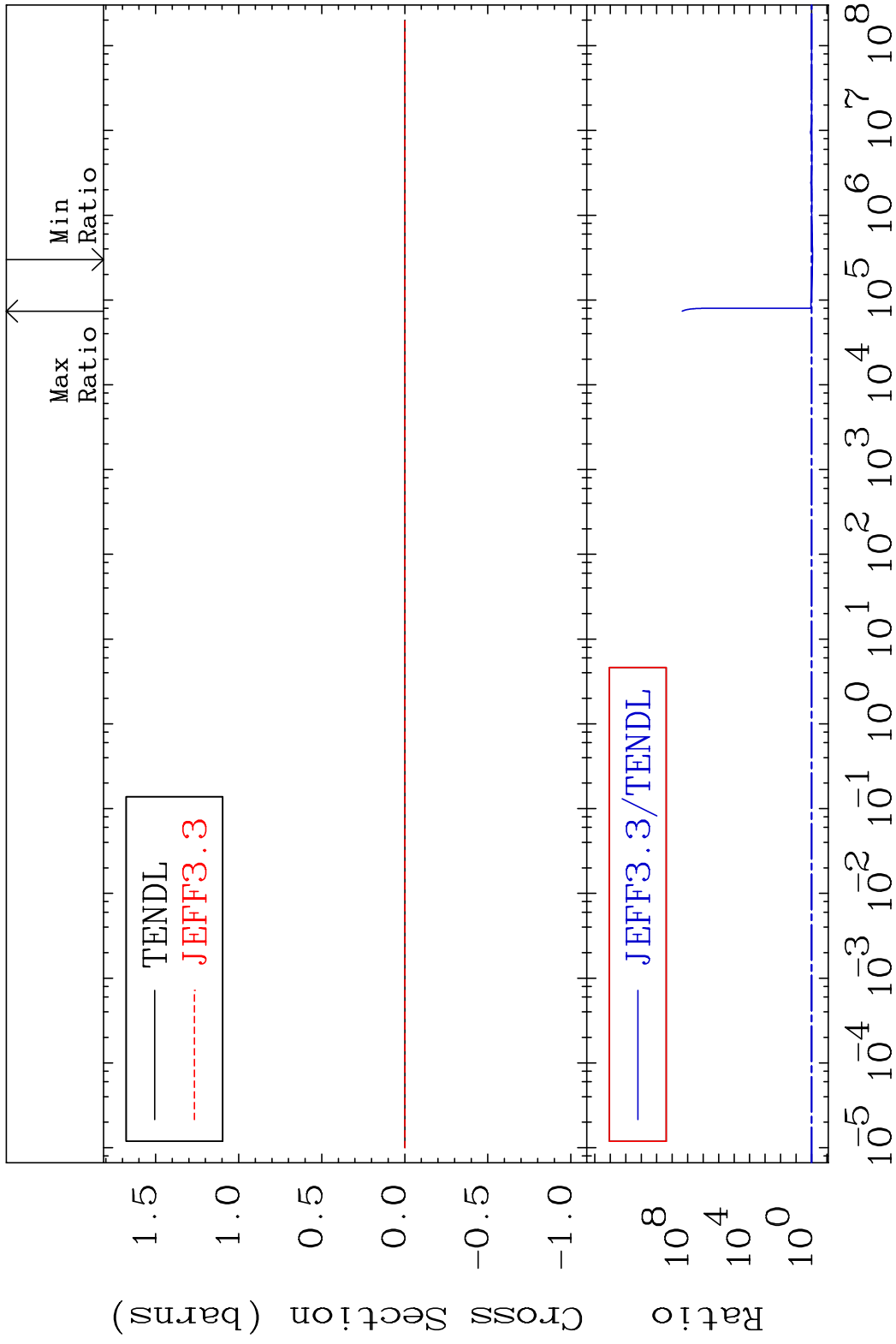


66

Incident Energy (eV)

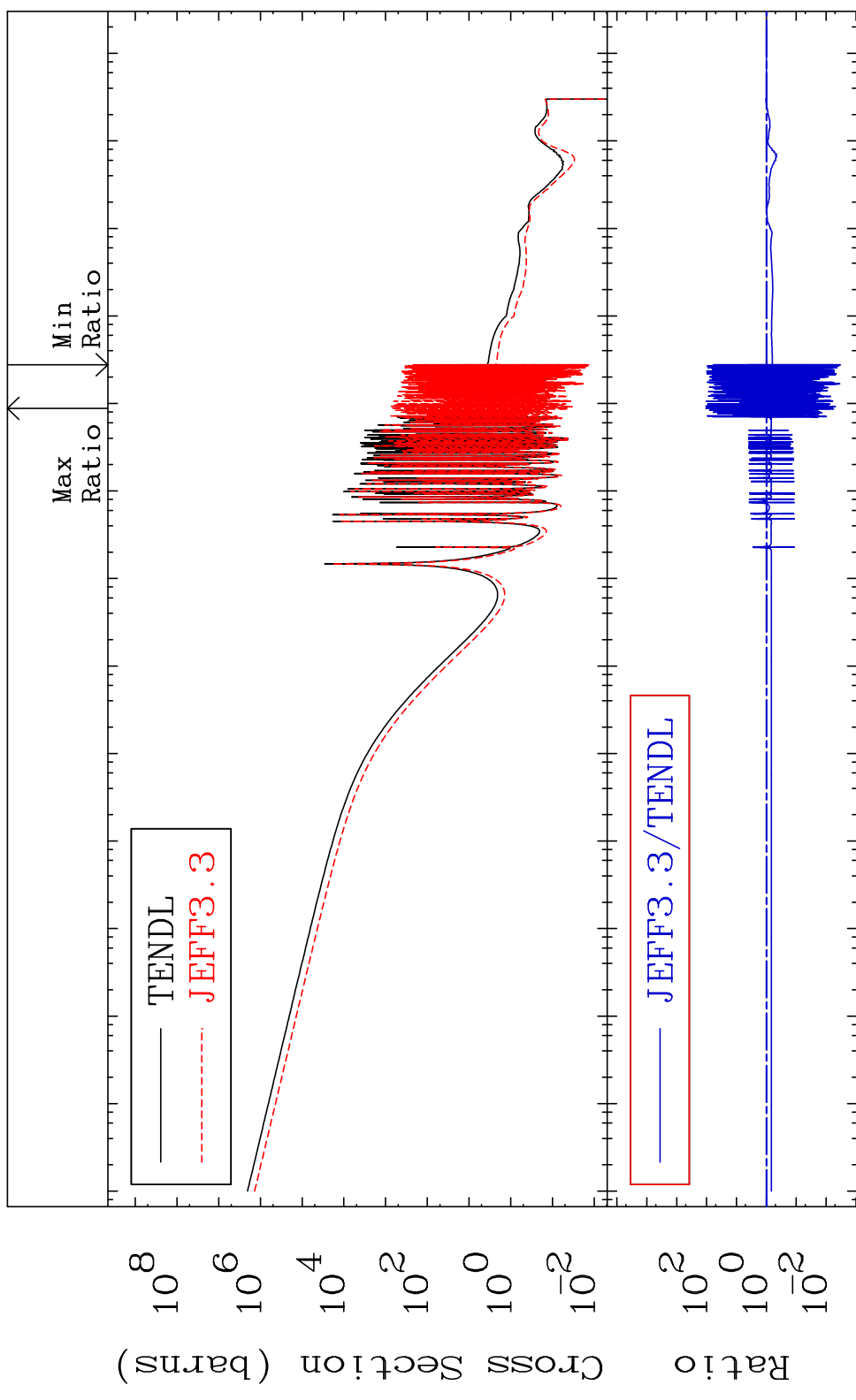
66-Dy-164

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)

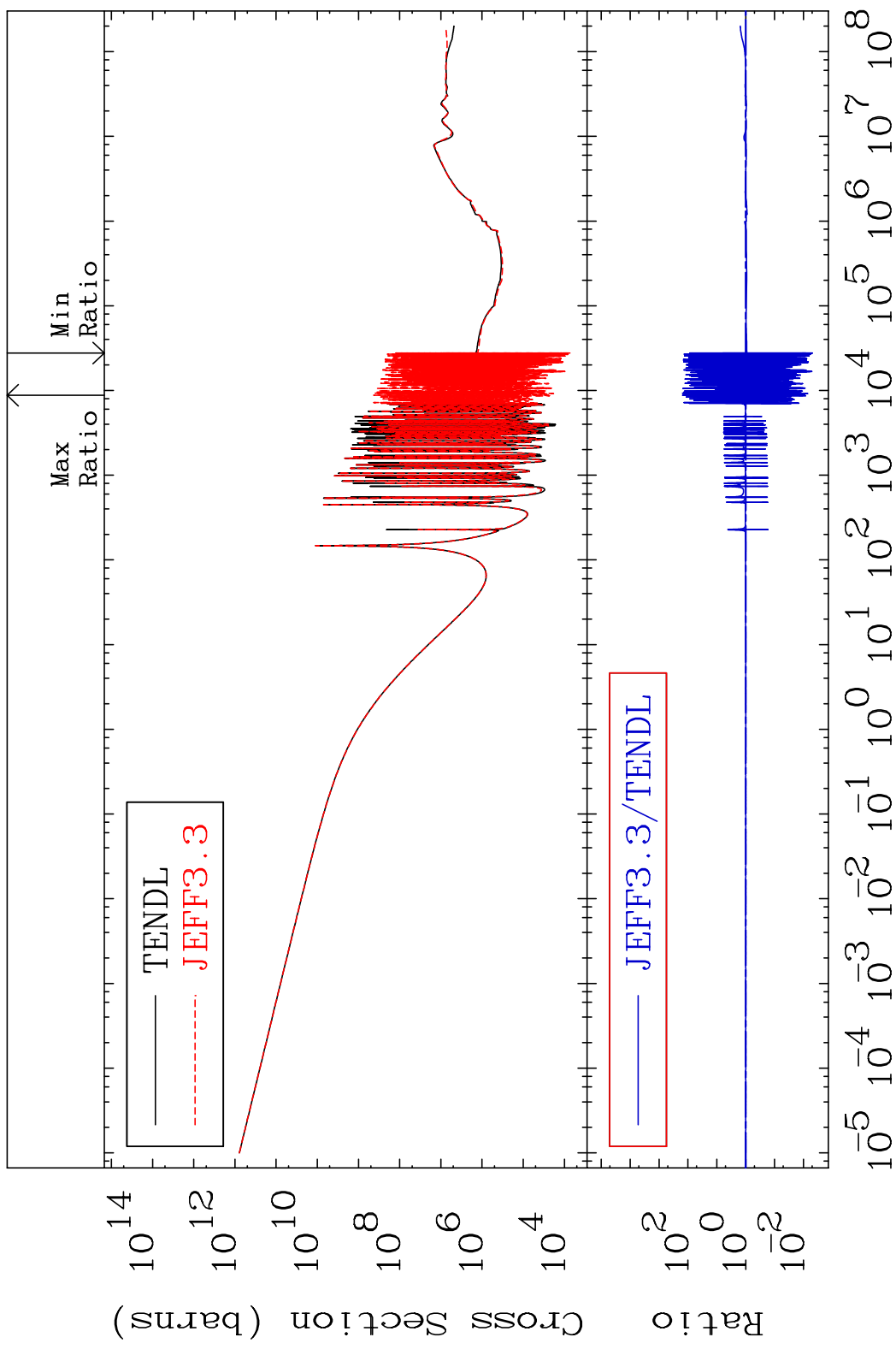
66-Dy-164

MAT 6649

Total photon (eV-barns)

66-Dy-164

Cross Section -99.52 To 9999. %

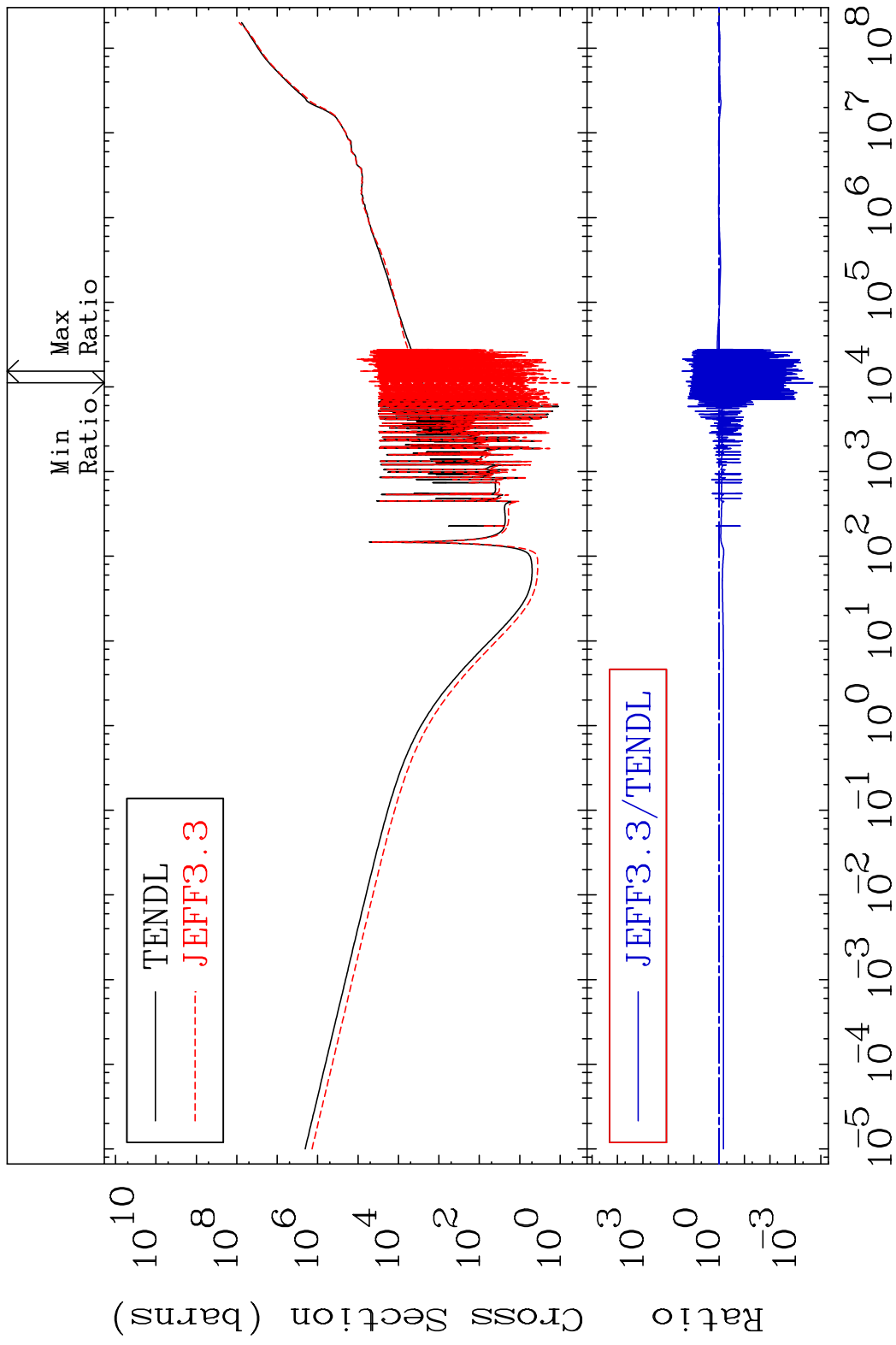


69

Incident Energy (eV)

66-Dy-164

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



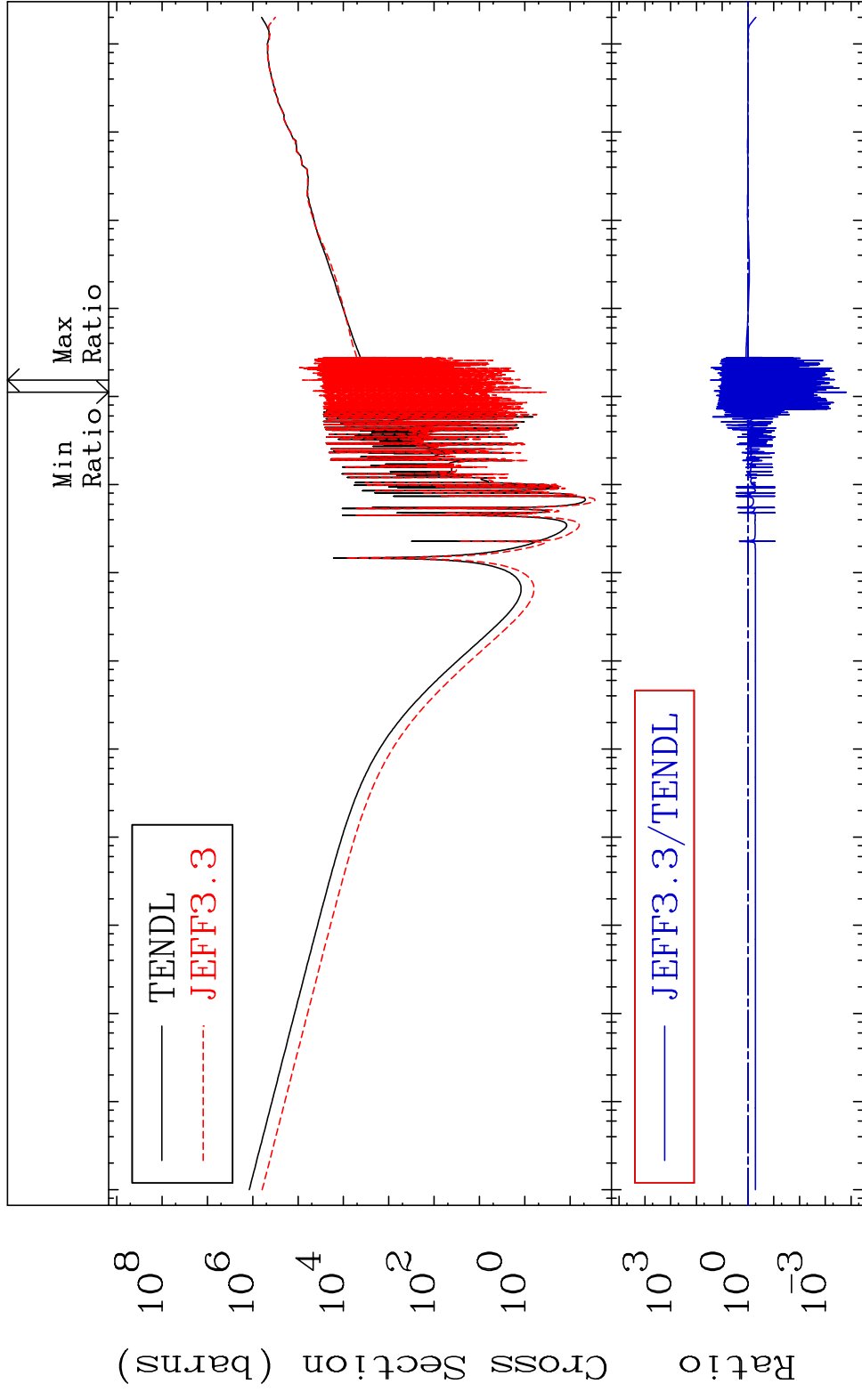
70 Incident Energy (eV) 66-Dy-164

MAT 6649

Dpa total (eV-barns)

66-Dy-164

Cross Section -99.98 To 2690. %

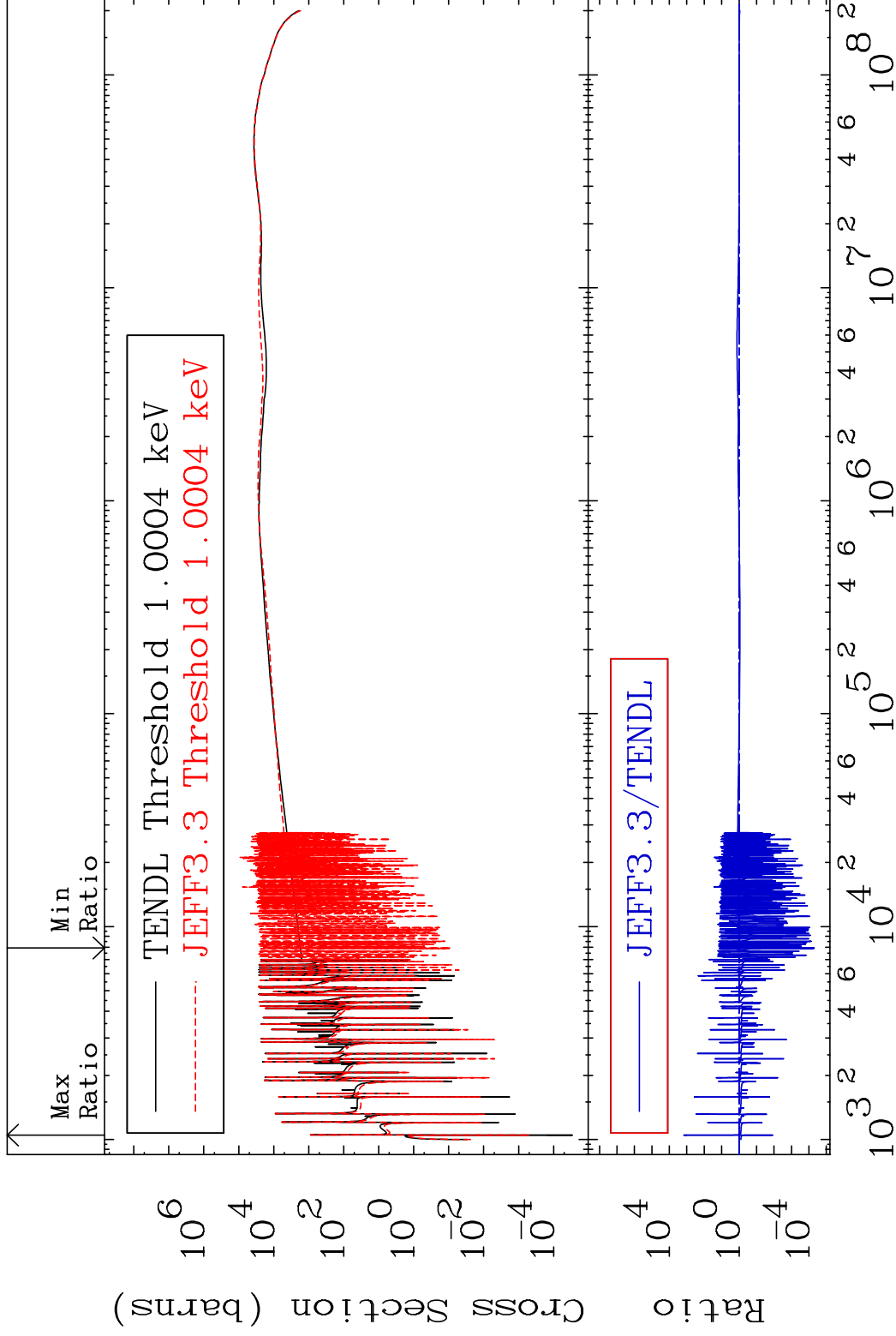


MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %



72

Incident Energy (eV)

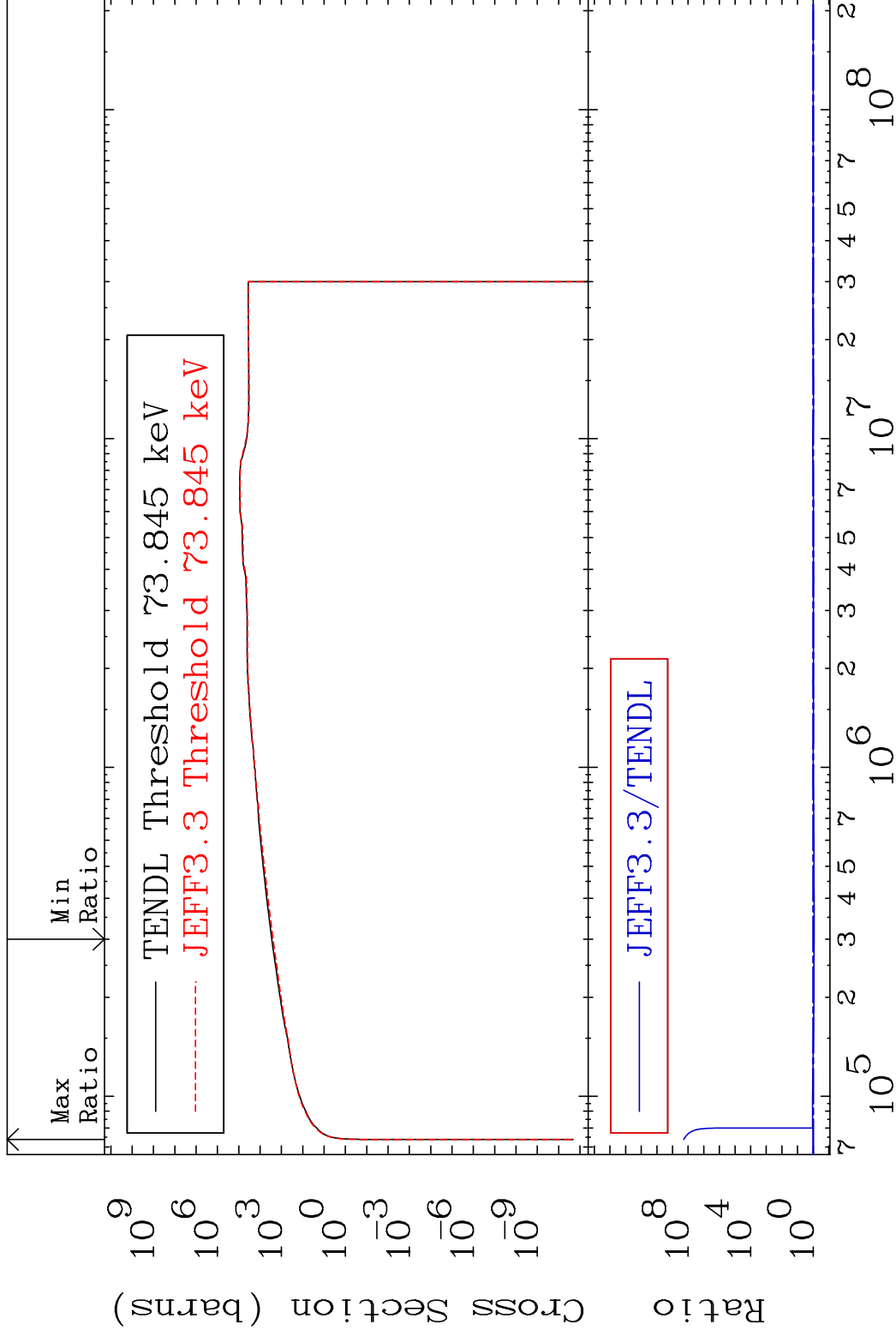
66-Dy-164

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. %

