

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

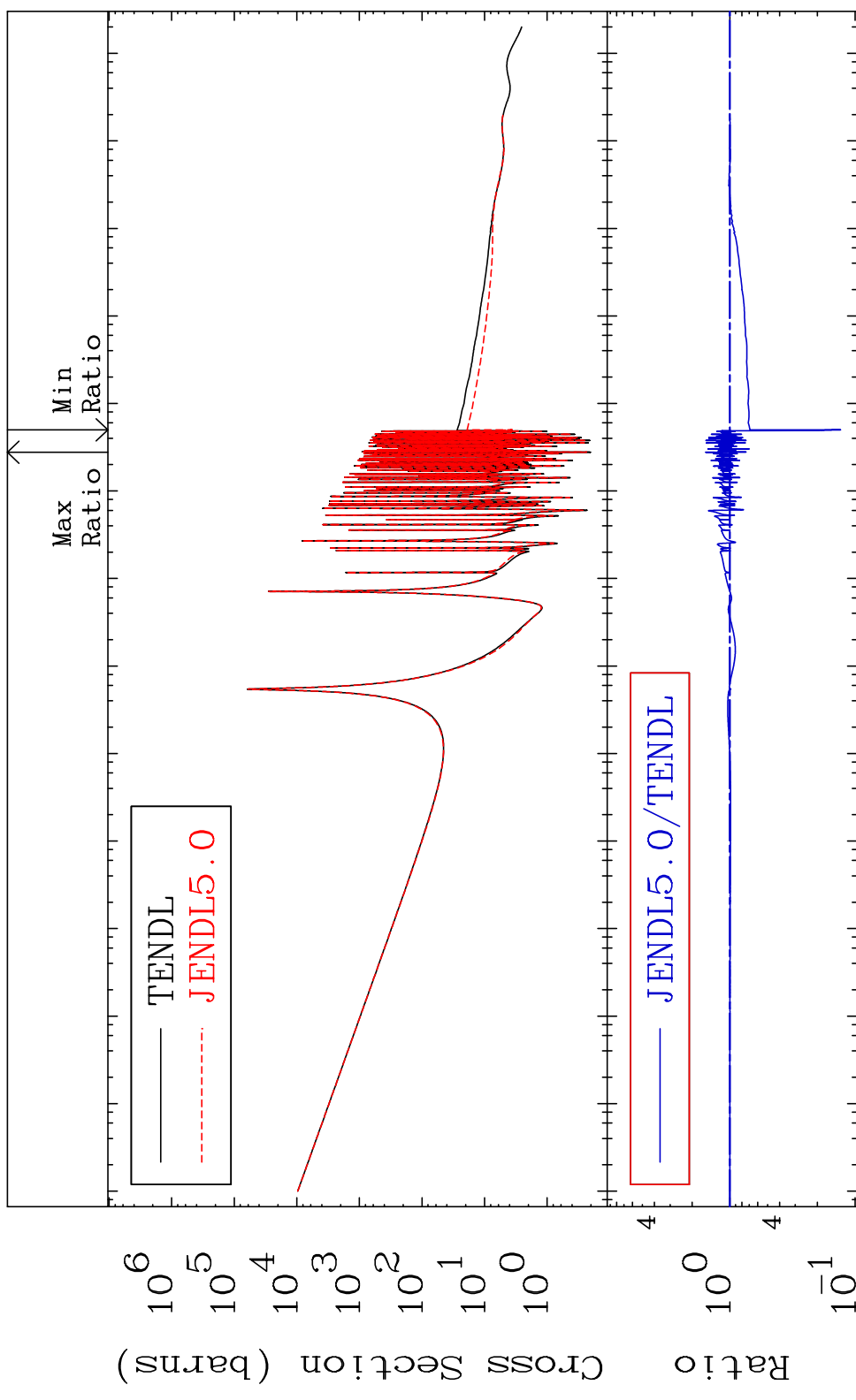
MAT 6643

Total

66-Dy-162

Cross Section

-86.92 To 55.68 %



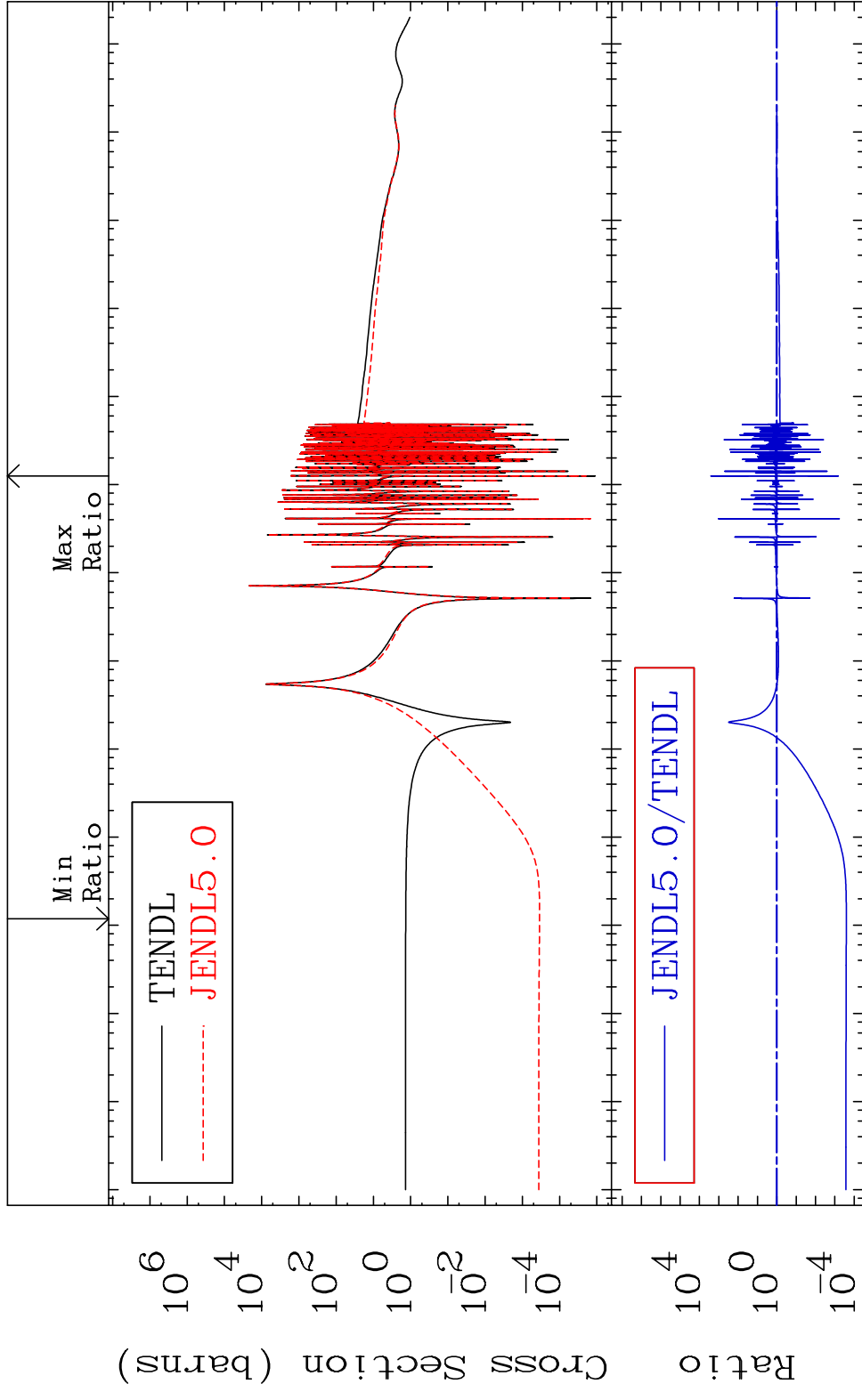
1

Incident Energy (eV)

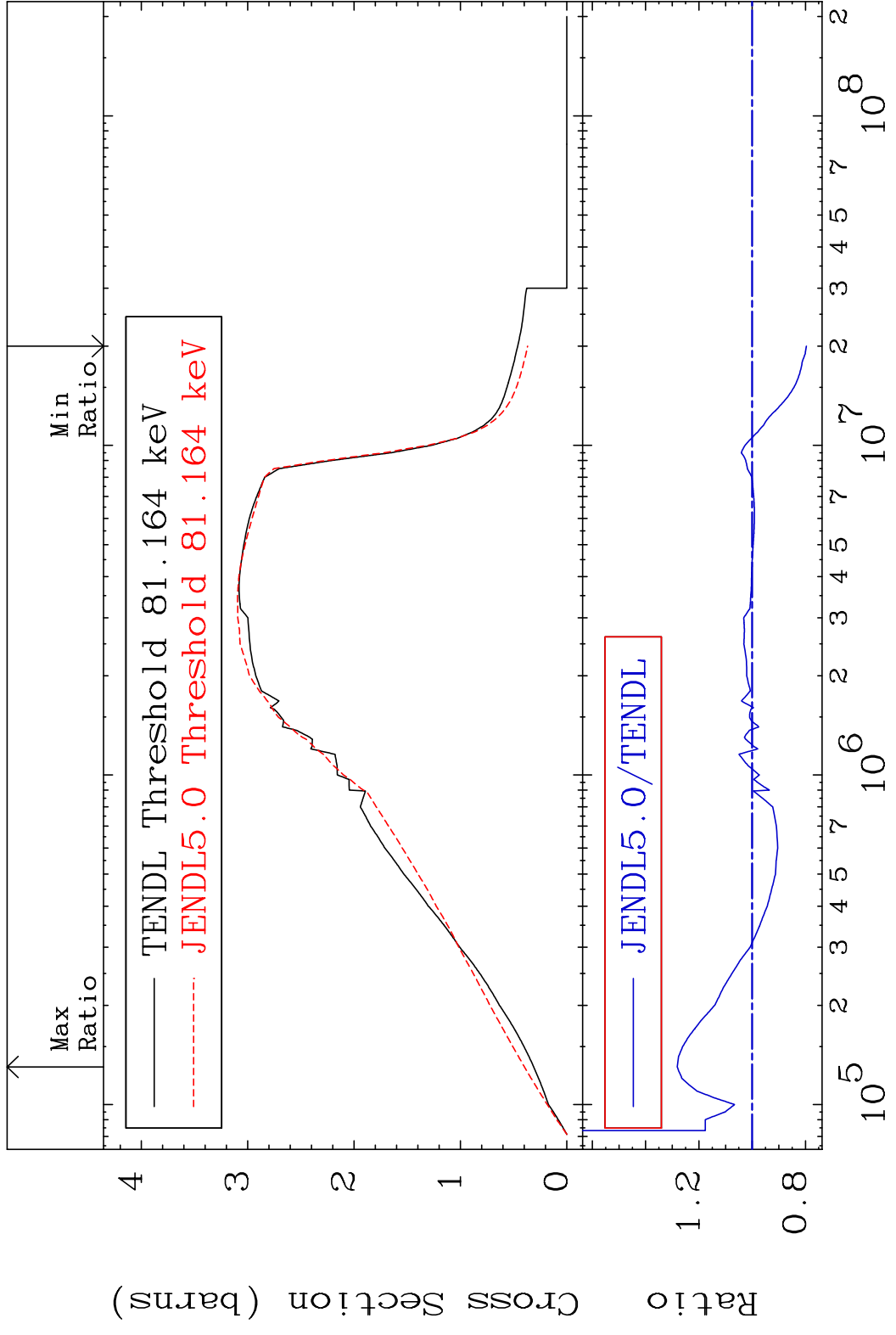
66-Dy-162

MAT 6643

Elastic Cross Section -99.97 To 9999. %
66-Dy-162



MAT 6643 Inelastic 66-Dy-162
Cross Section -20.35 To 28.15 %



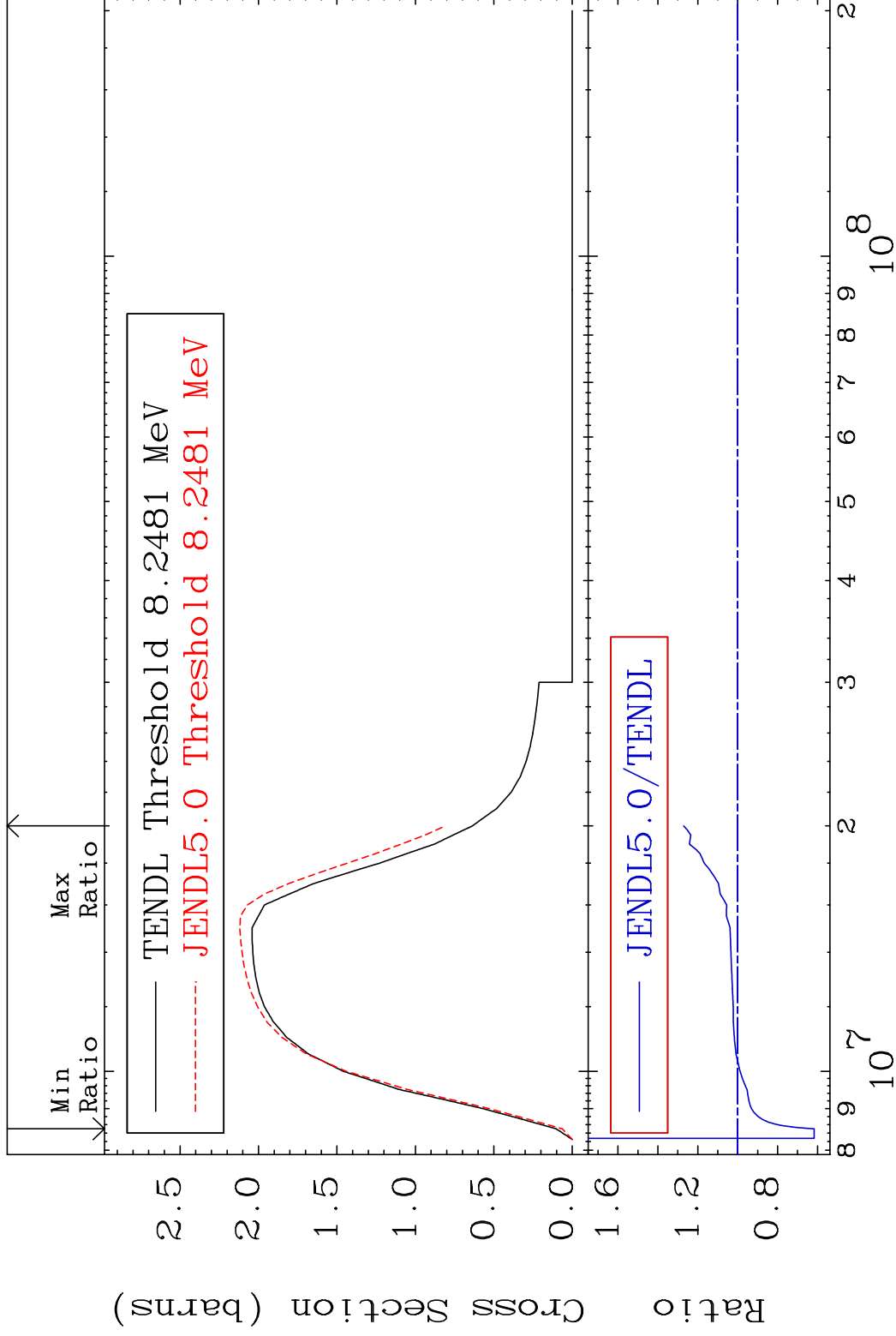
3 66-Dy-162

MAT 6643

(n,2n)

66-Dy-162

Cross Section -38.31 To 27.07 %



4

Incident Energy (eV)

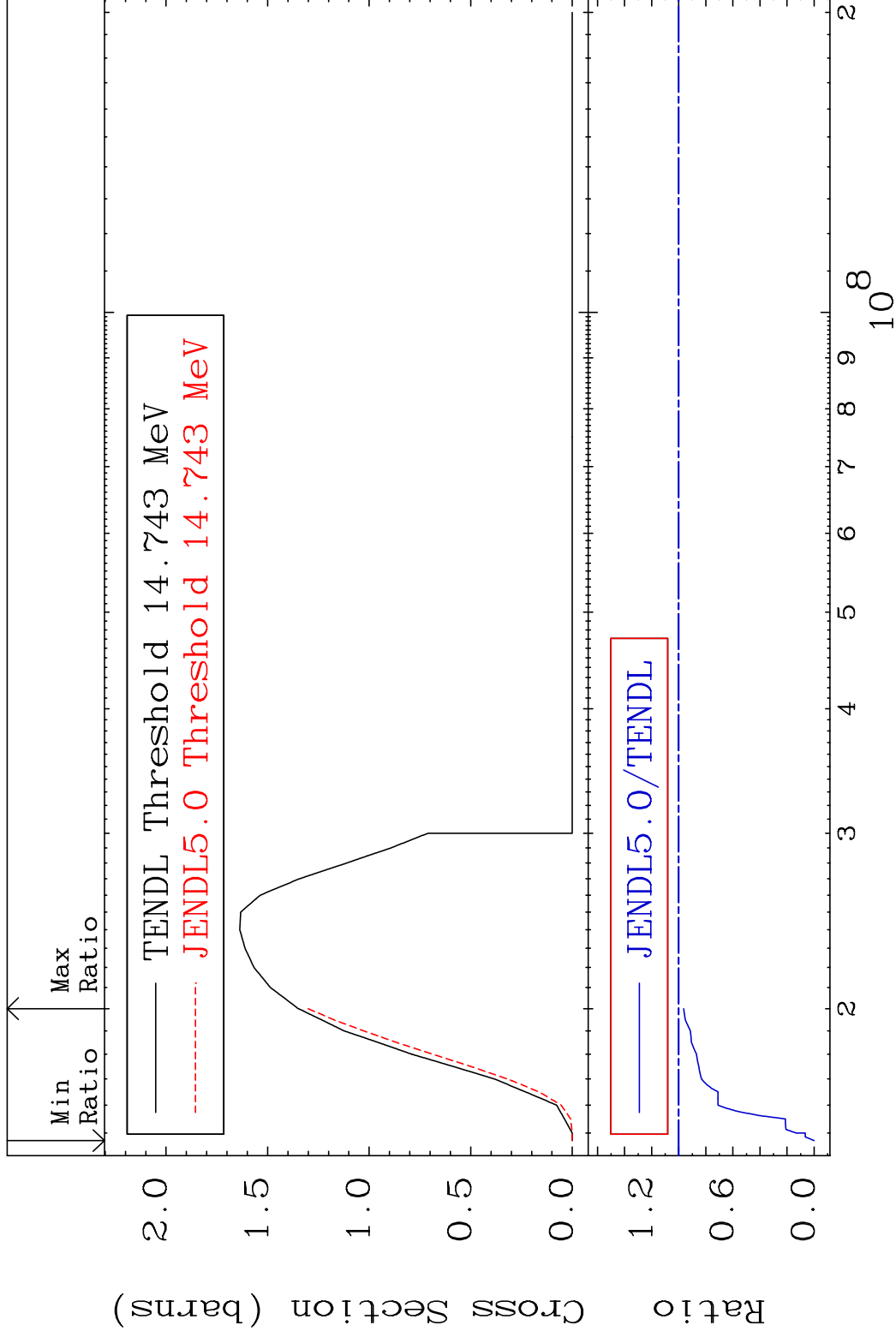
66-Dy-162

MAT 6643

(n,3n)

66-Dy-162

Cross Section -100.0 To -3.635%



5

Incident Energy (eV)

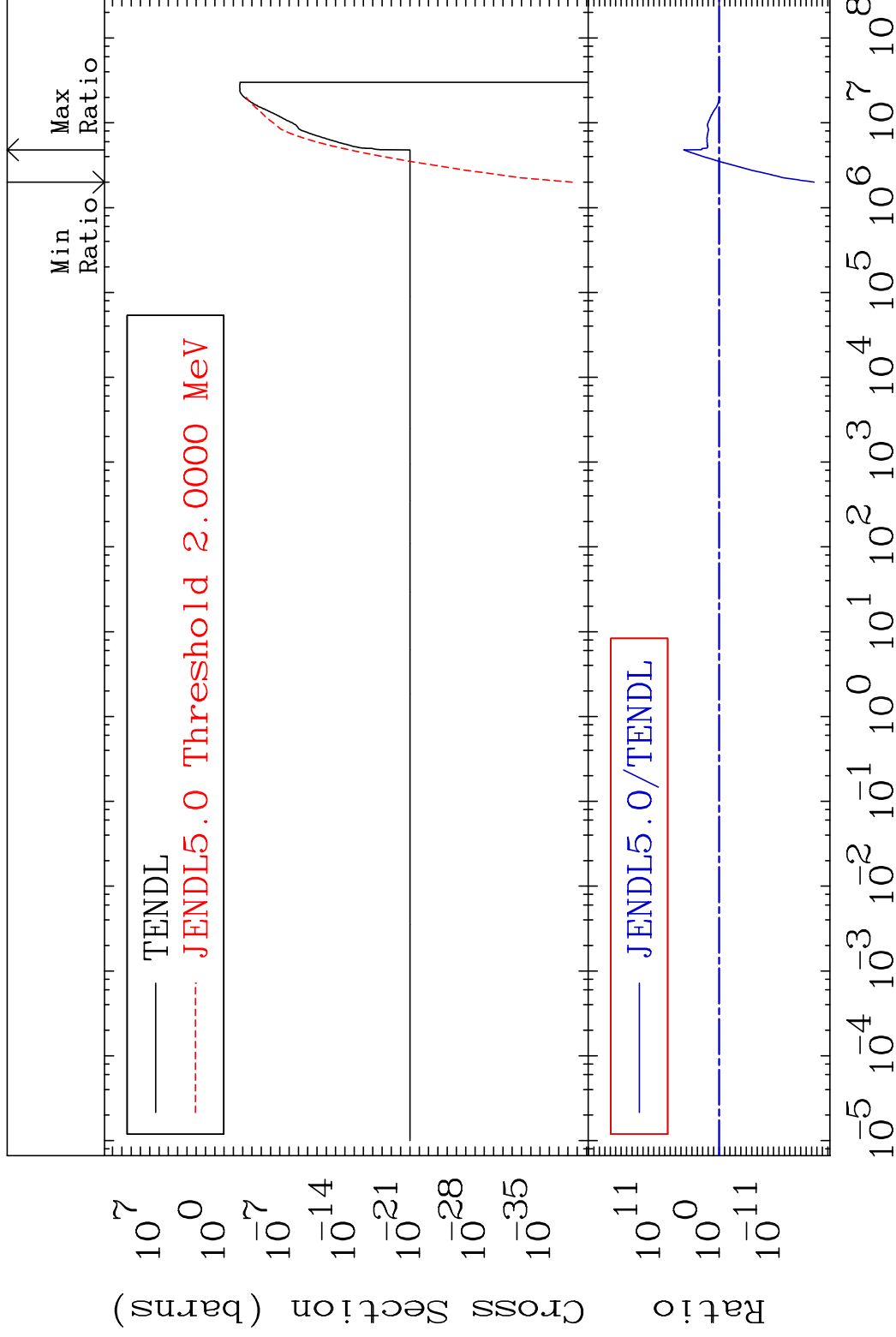
66-Dy-162

MAT 6643

(n, n') α

66-Dy-162

Cross Section -100.0 To 9999. %

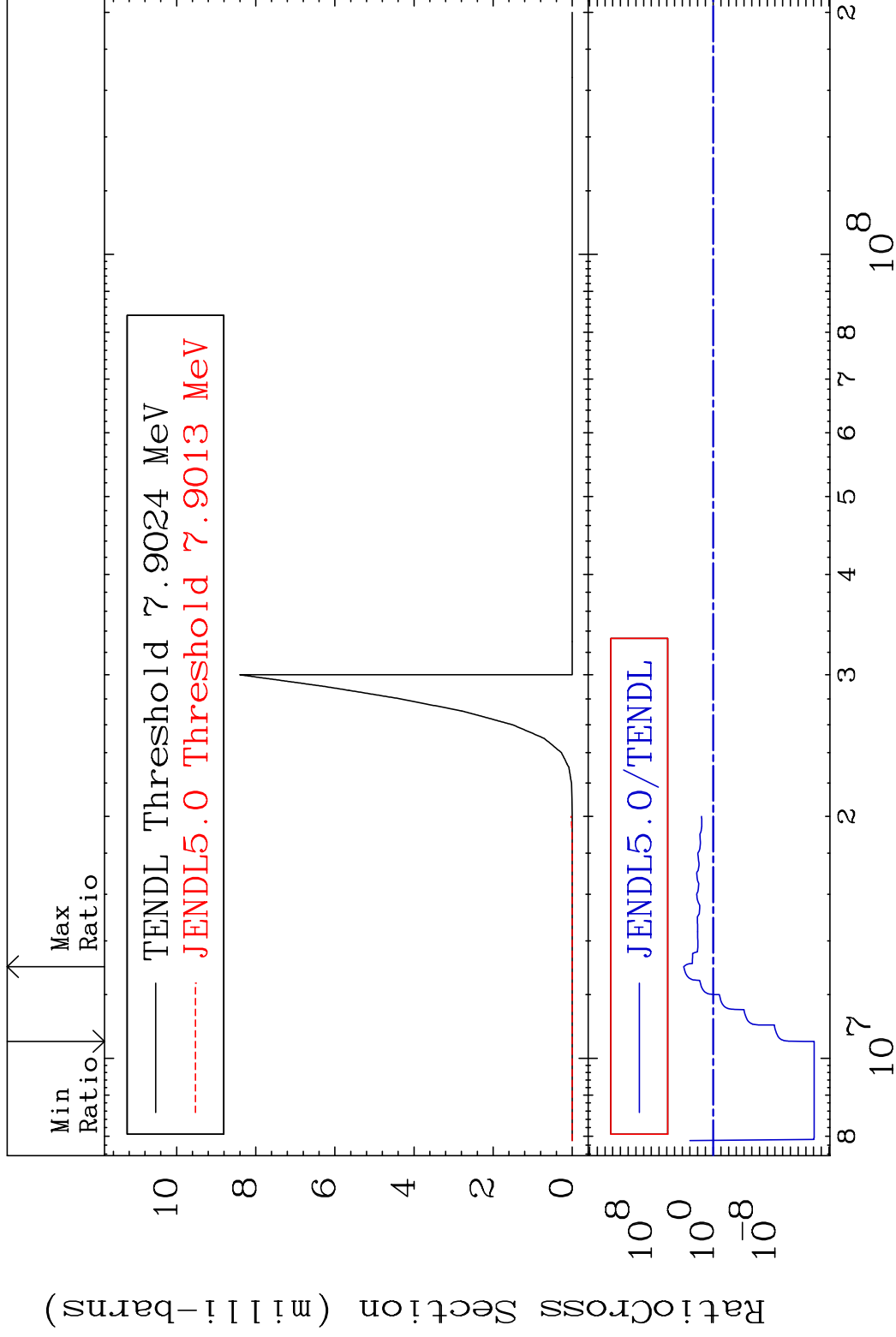


MAT 6643

(n,2n) α

66-Dy-162

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

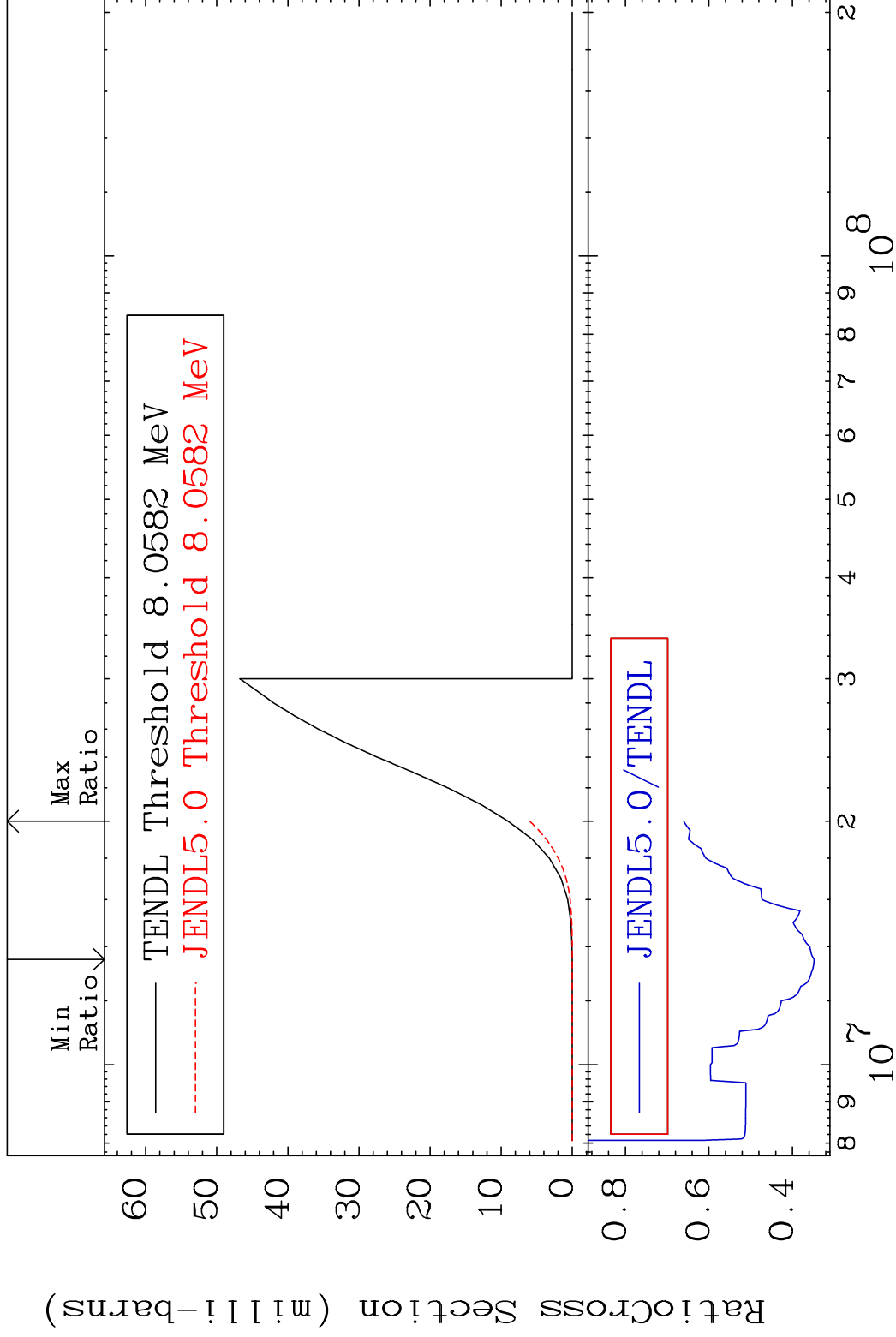
66-Dy-162

MAT 6643

(n, n') p

66-Dy-162

Cross Section -65.20 To -33.96%



8

Incident Energy (eV)

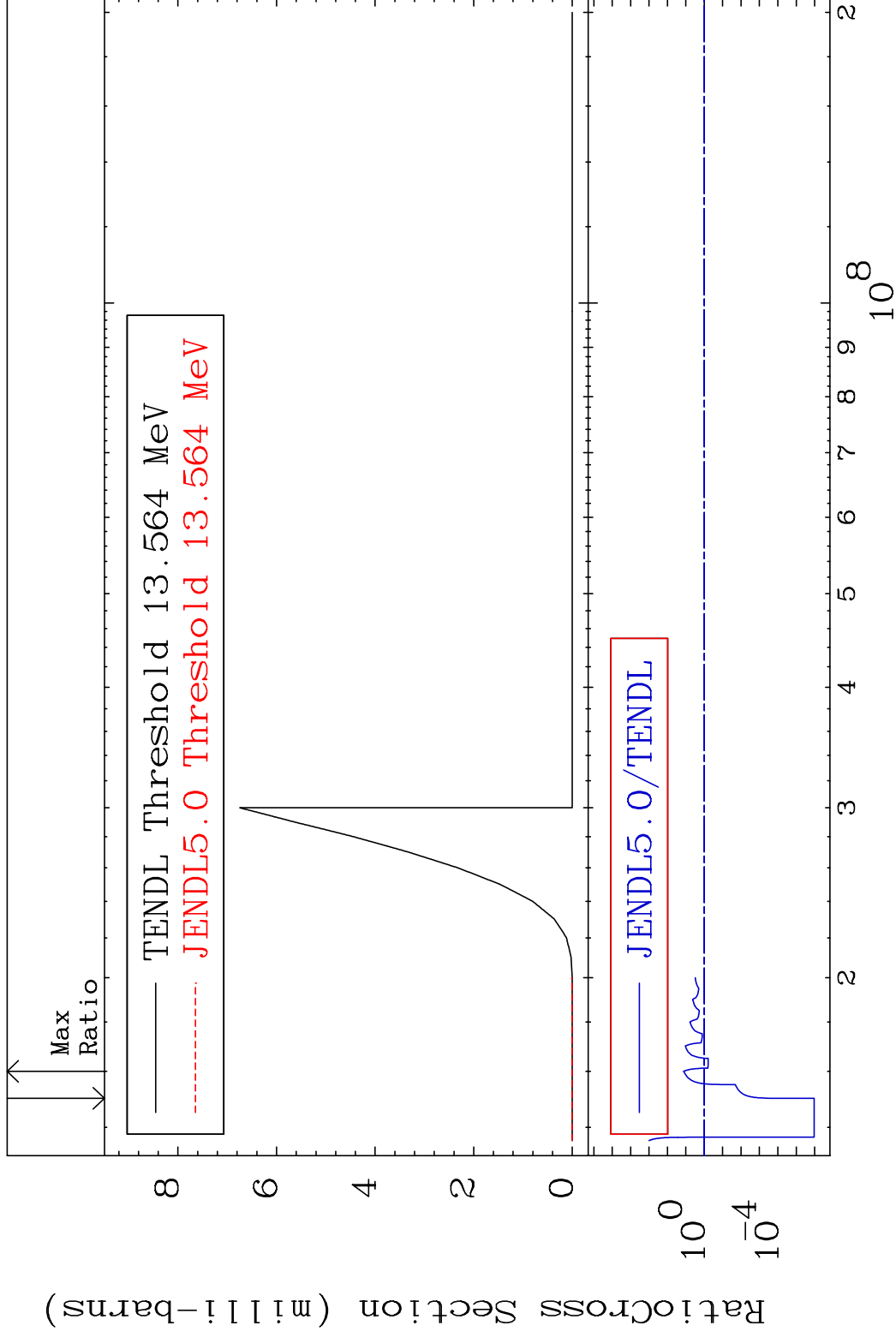
66-Dy-162

MAT 6643

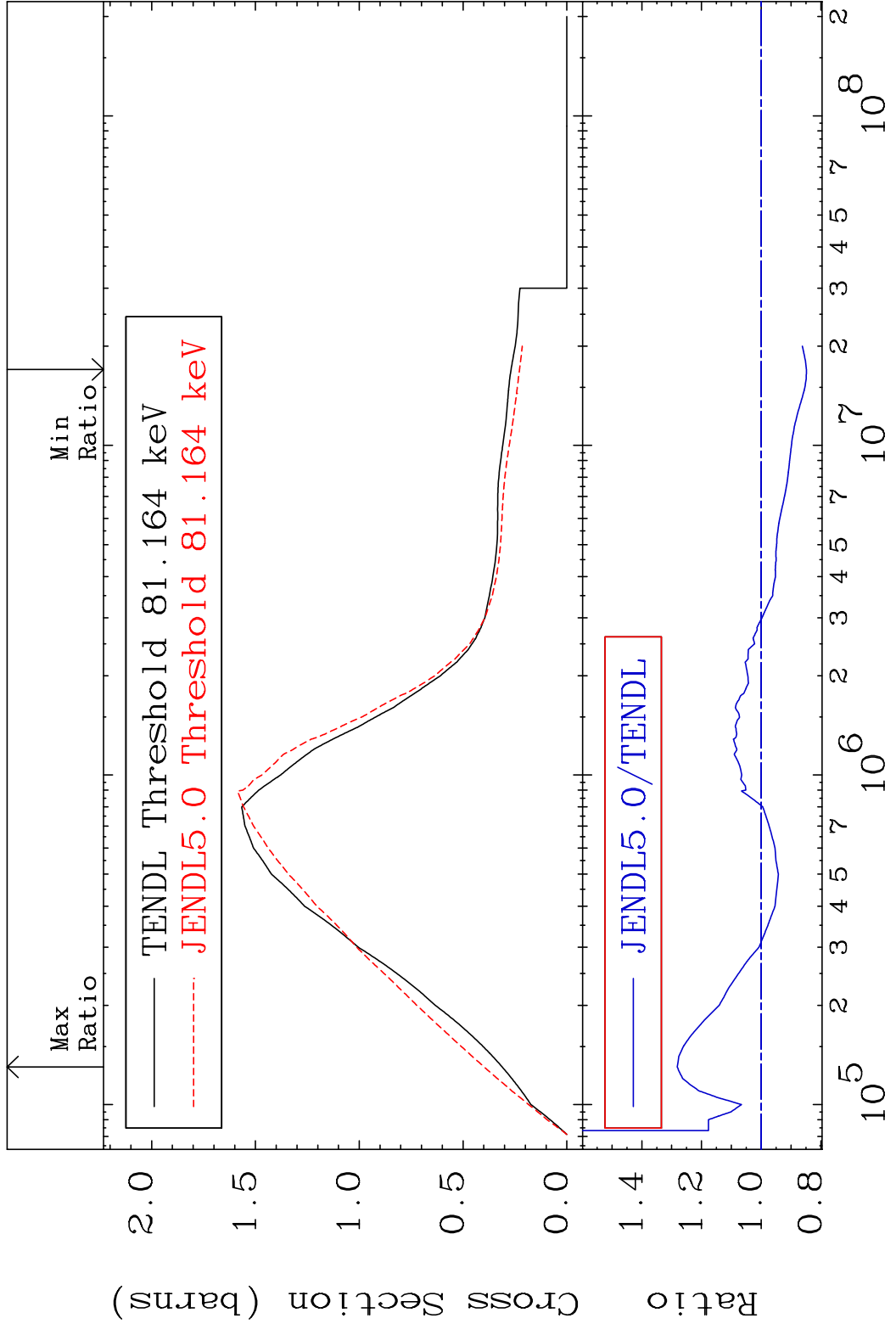
(n, n') d

66-Dy-162

Cross Section -100.0 To 1210. %

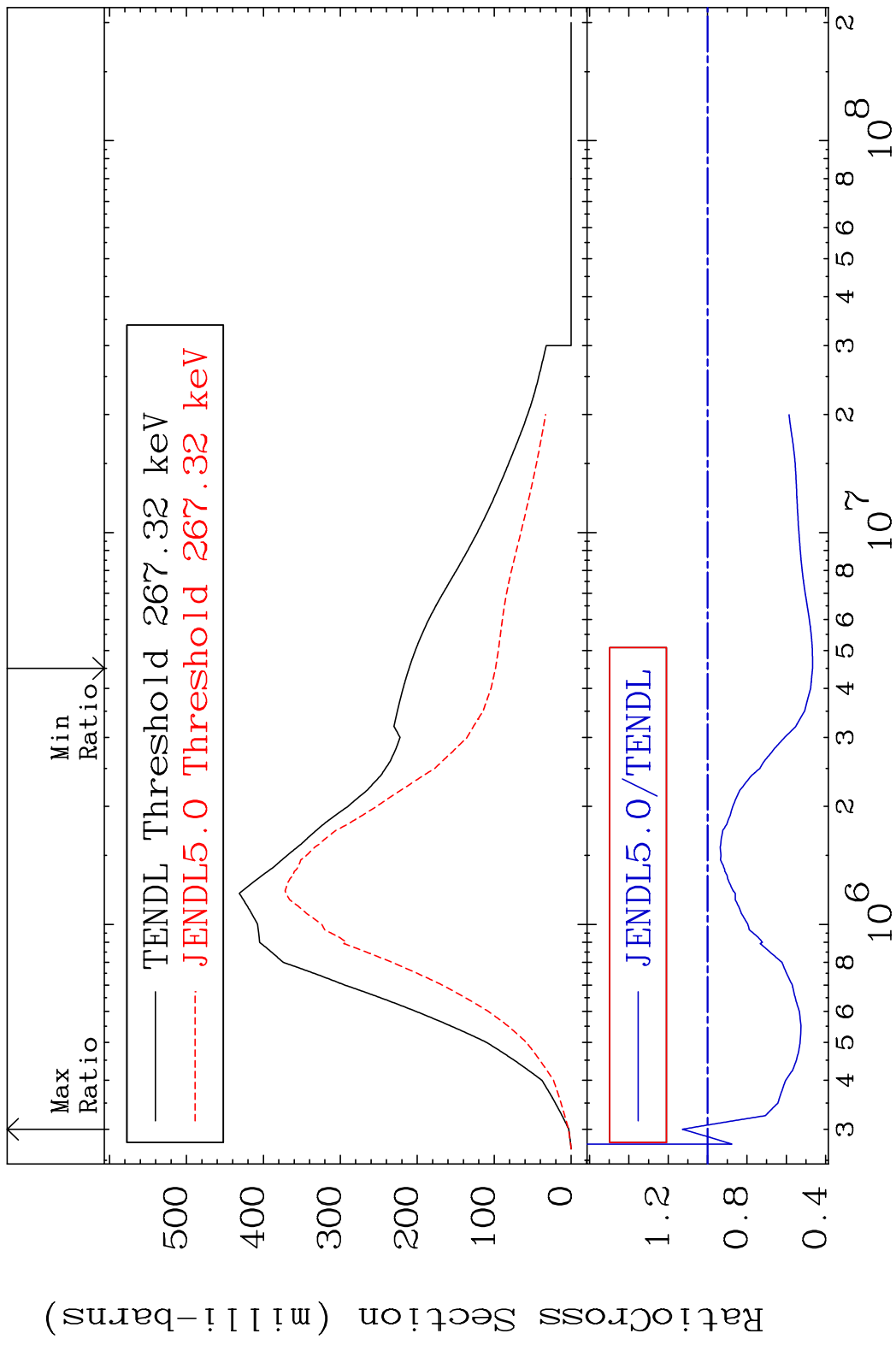


MAT 6643 MT= 51 (n, n') Level 66-Dy-162
 Cross Section -15.16 To 28.15 %

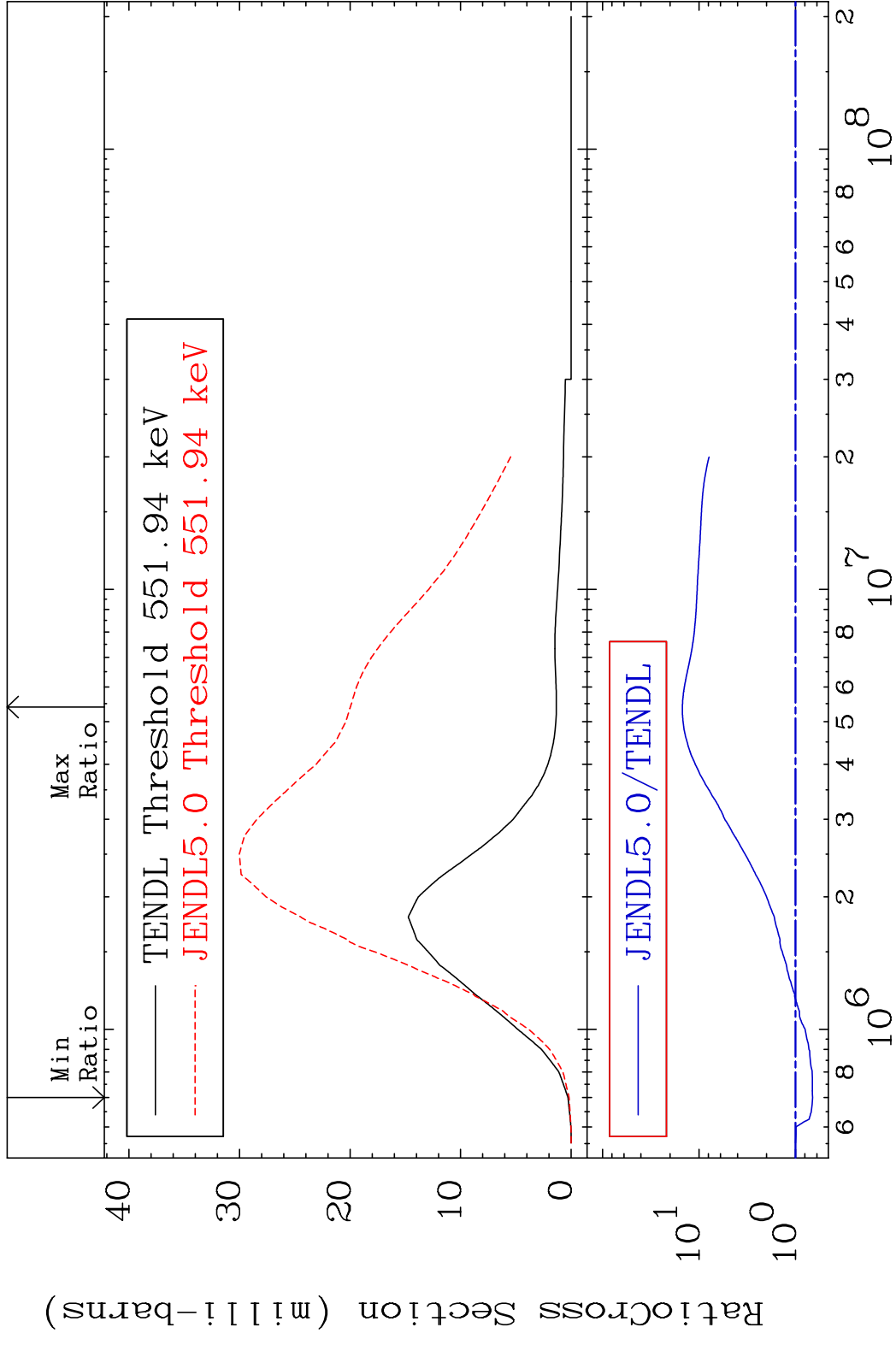


10 2 3 4 5 7 10⁵ 10⁶ 10⁷ 10⁸ 2 66-Dy-162

MAT 6643 MT= 52 (n, n') Level 66-Dy-162
 Cross Section -53.33 To 12.82 %

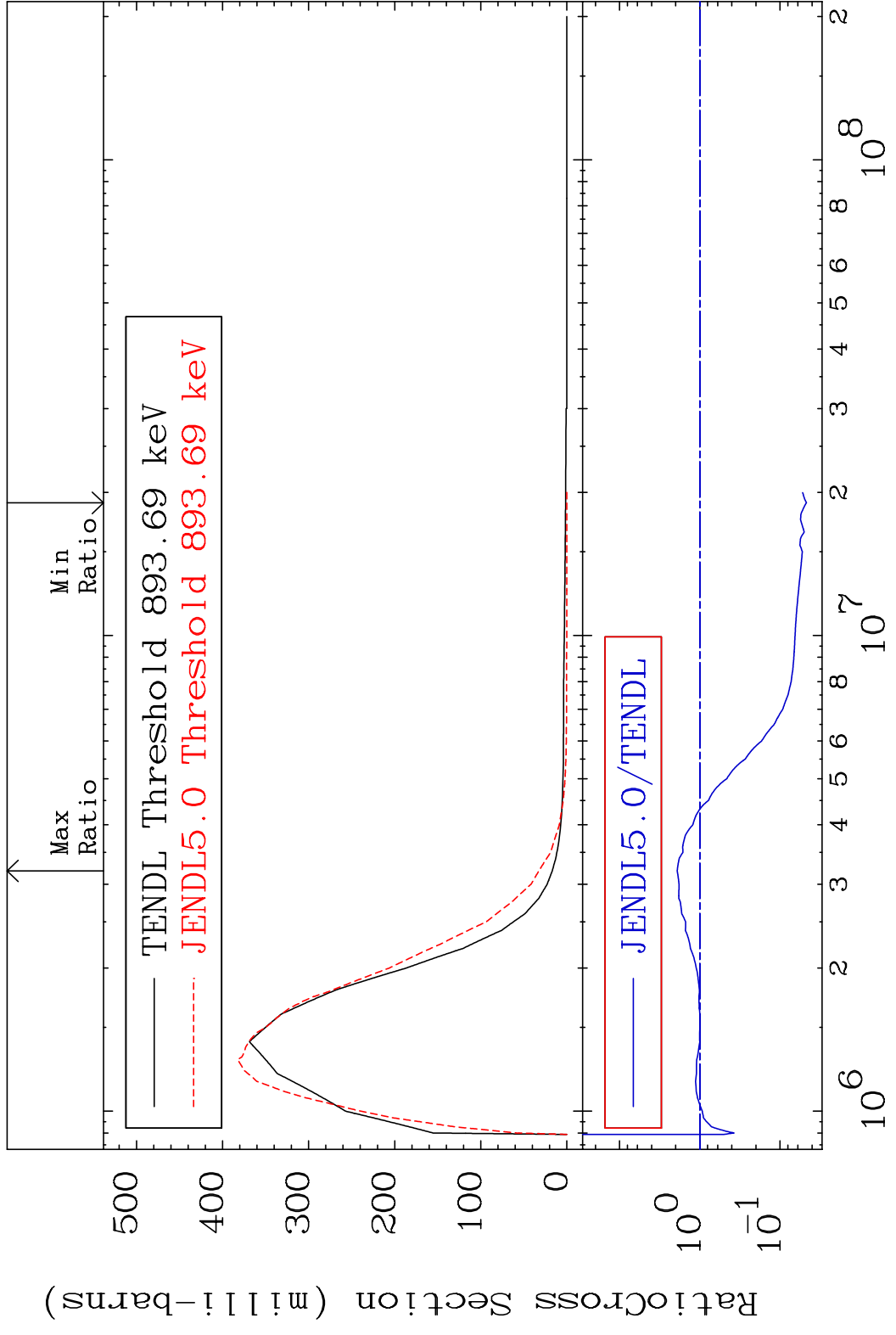


MAT 6643 MT= 53 (n, n') Level 66-Dy-162
 Cross Section -33.33 To 1391. %



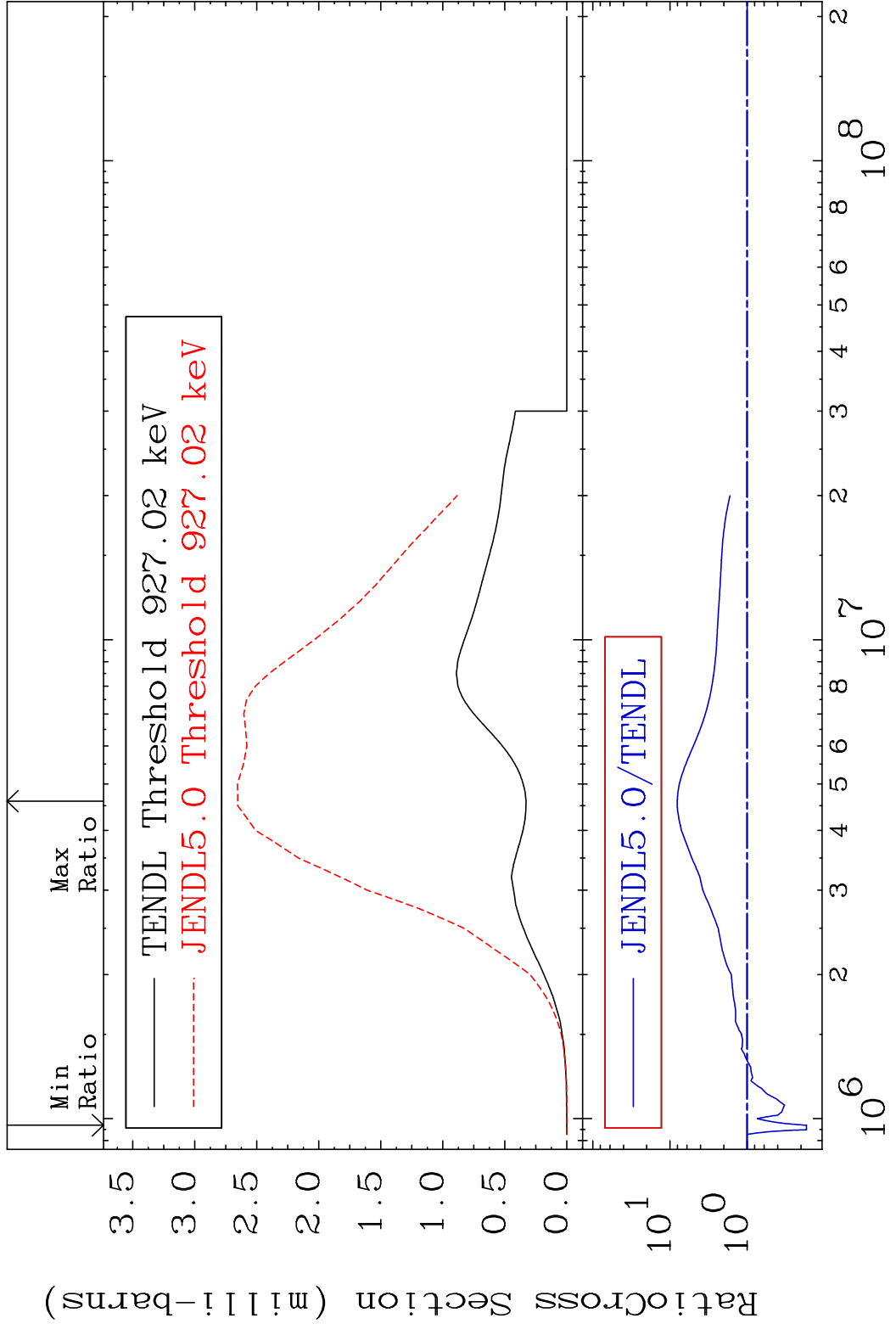
12 Incident Energy (eV) 66-Dy-162

MAT 6643 MT= 54 (n, n') Level 66-Dy-162
 Cross Section -95.30 To 91.60 %



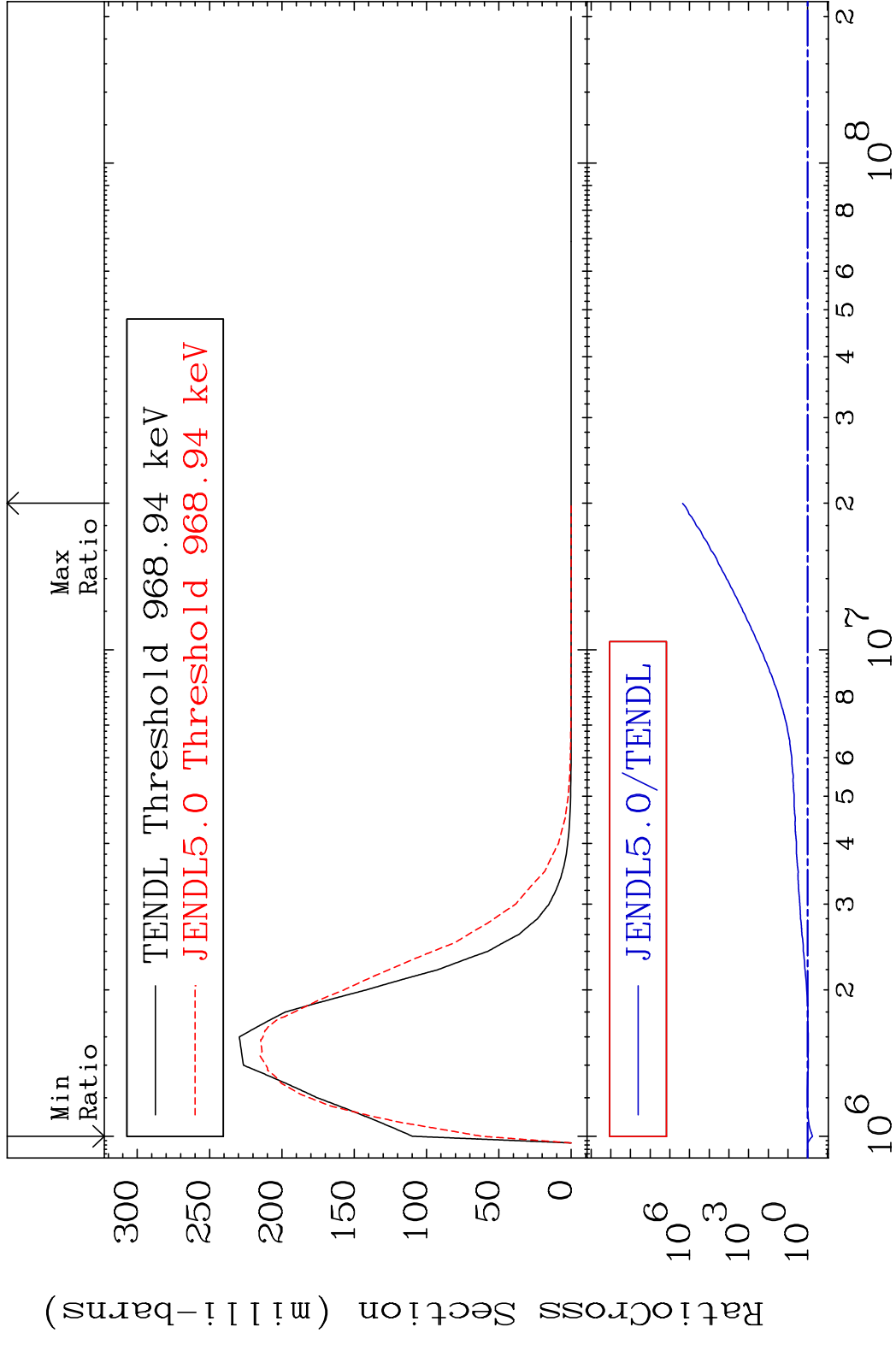
13 Incident Energy (eV) 66-Dy-162

MAT 6643 MT= 55 (n, n') Level 66-Dy-162
 Cross Section -83.00 To 704.8 %

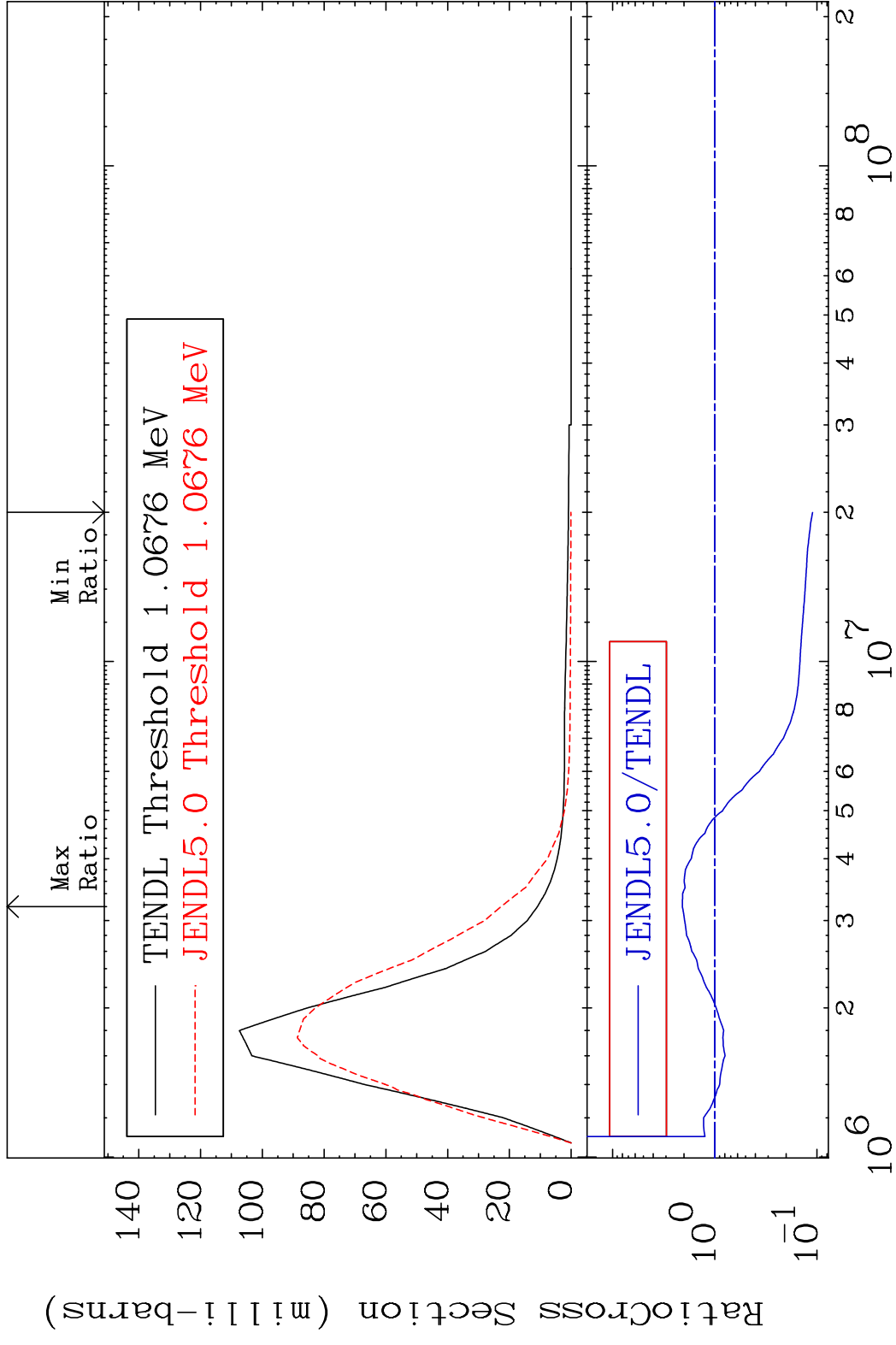


14 Incident Energy (eV) 66-Dy-162

MAT 6643 MT= 56 (n, n') Level 66-Dy-162
 Cross Section -43.54 To 9999. %

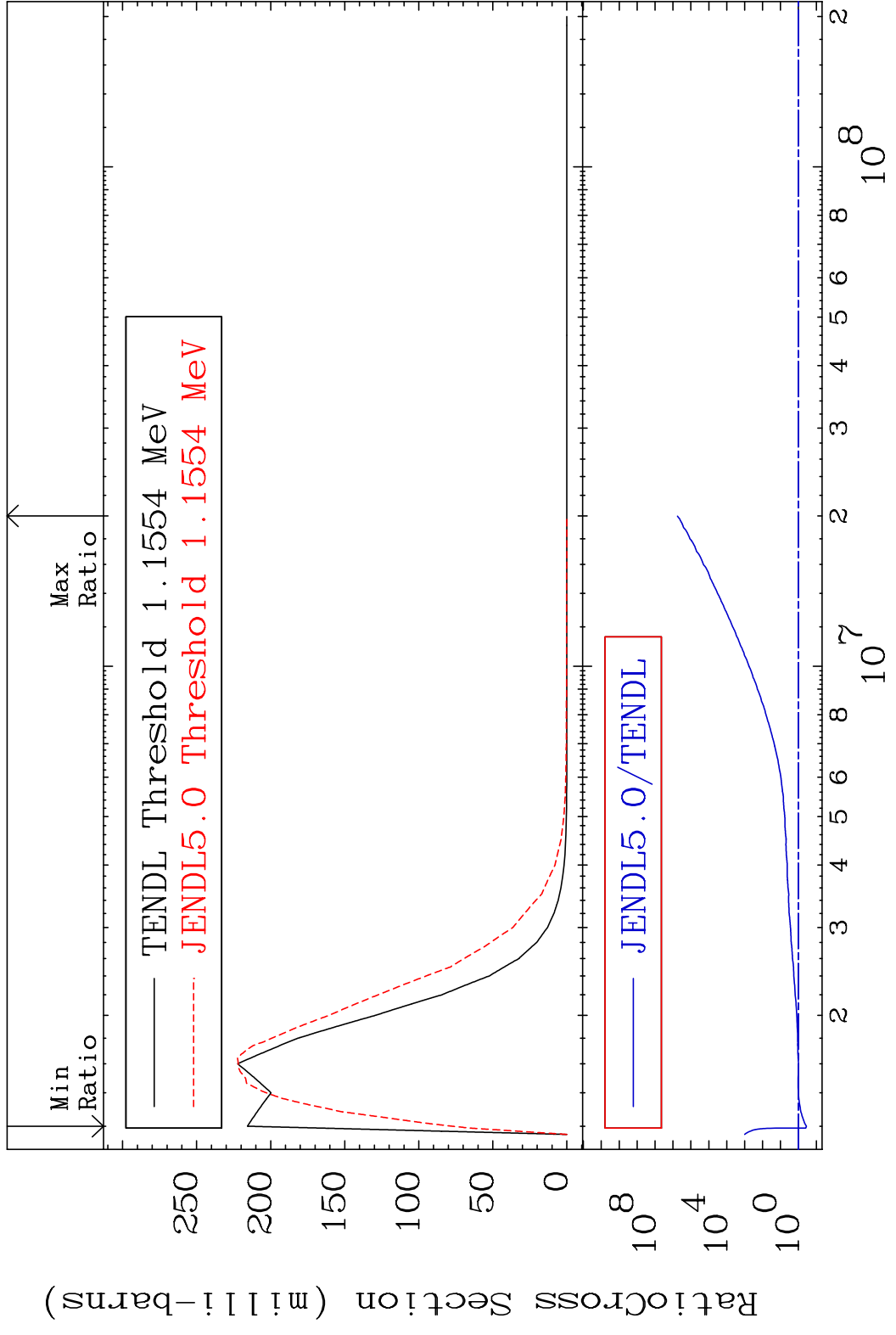


MAT 6643 MT= 57 (n, n') Level 66-Dy-162
 Cross Section -88.94 To 107.6 %

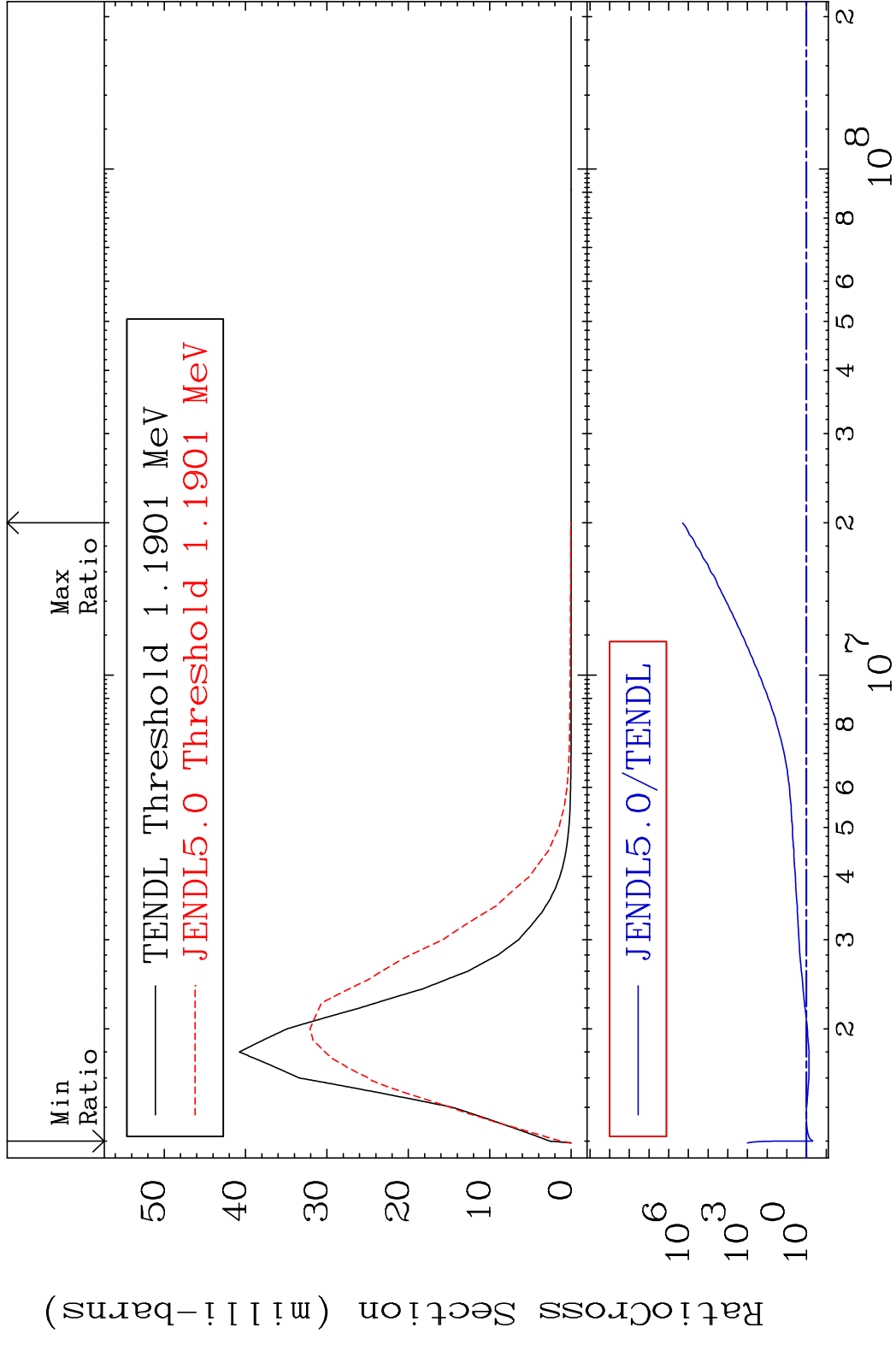


16 Incident Energy (eV) 66-Dy-162

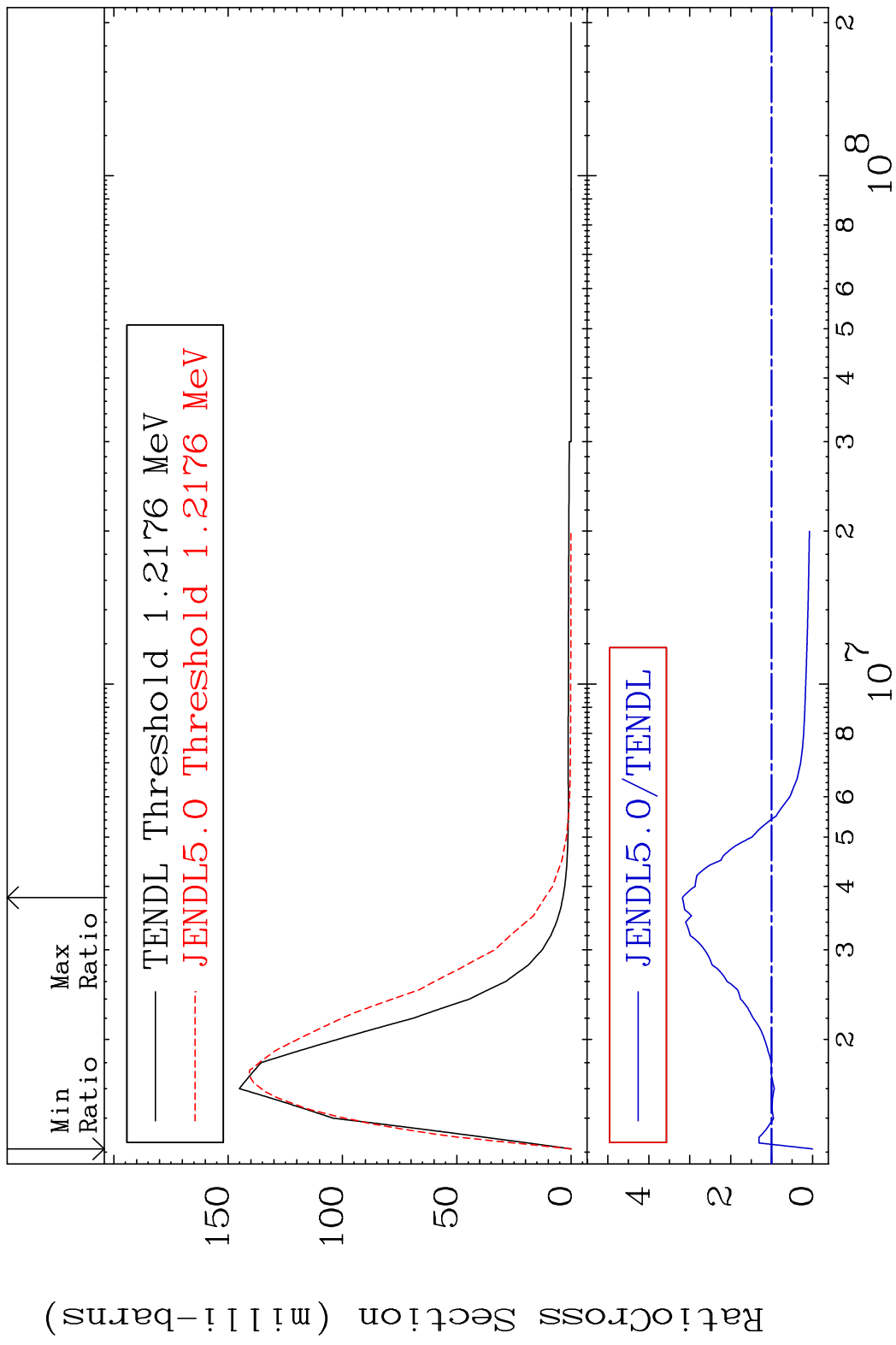
MAT 6643 MT= 58 (n, n') Level 66-Dy-162
 Cross Section -64.16 To 9999. %



MAT 6643 MT= 59 (n, n') Level 66-Dy-162
 Cross Section -50.49 To 9999. %



MAT 6643 MT= 60 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 218.1 %

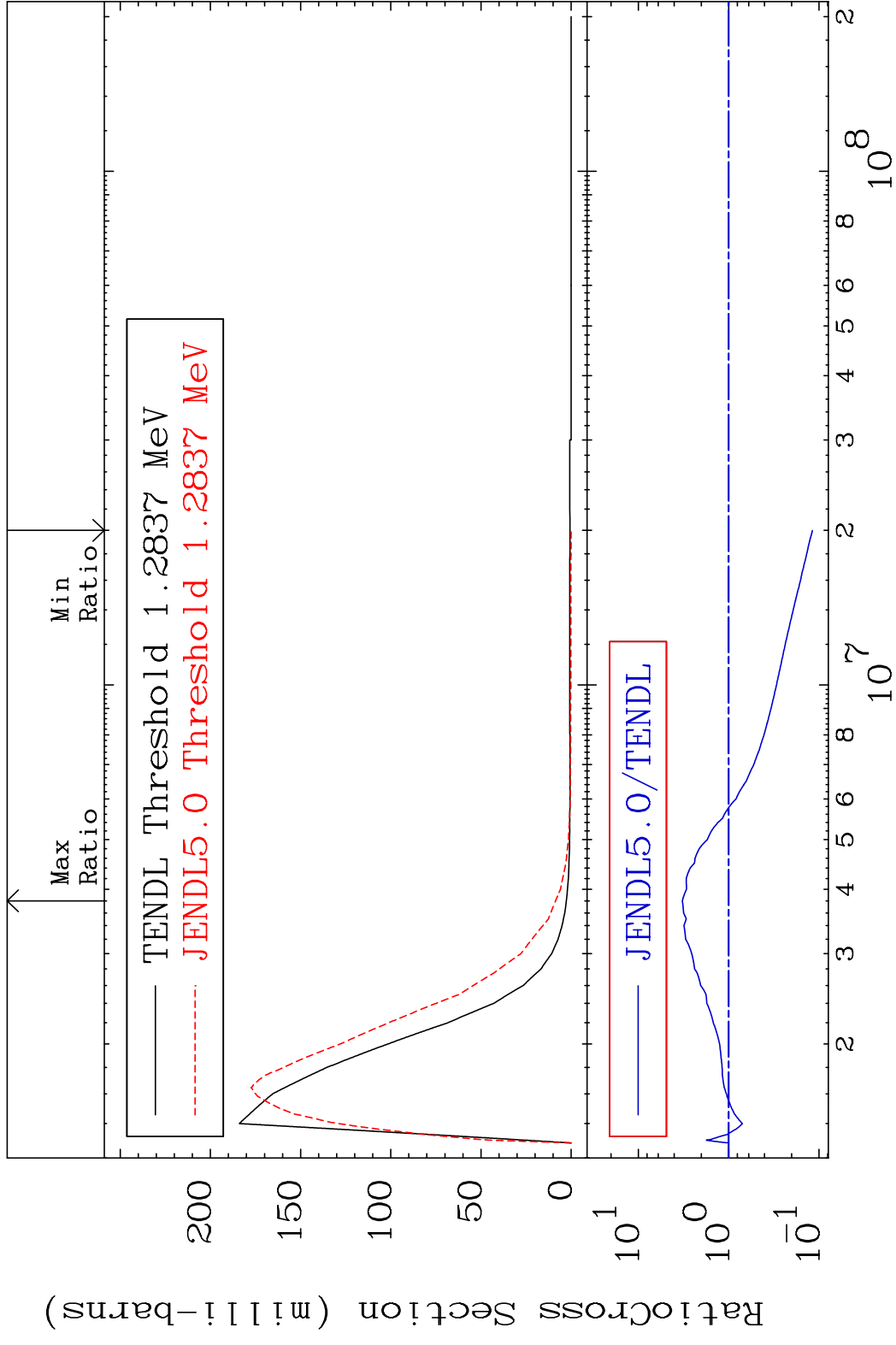


MAT 6643

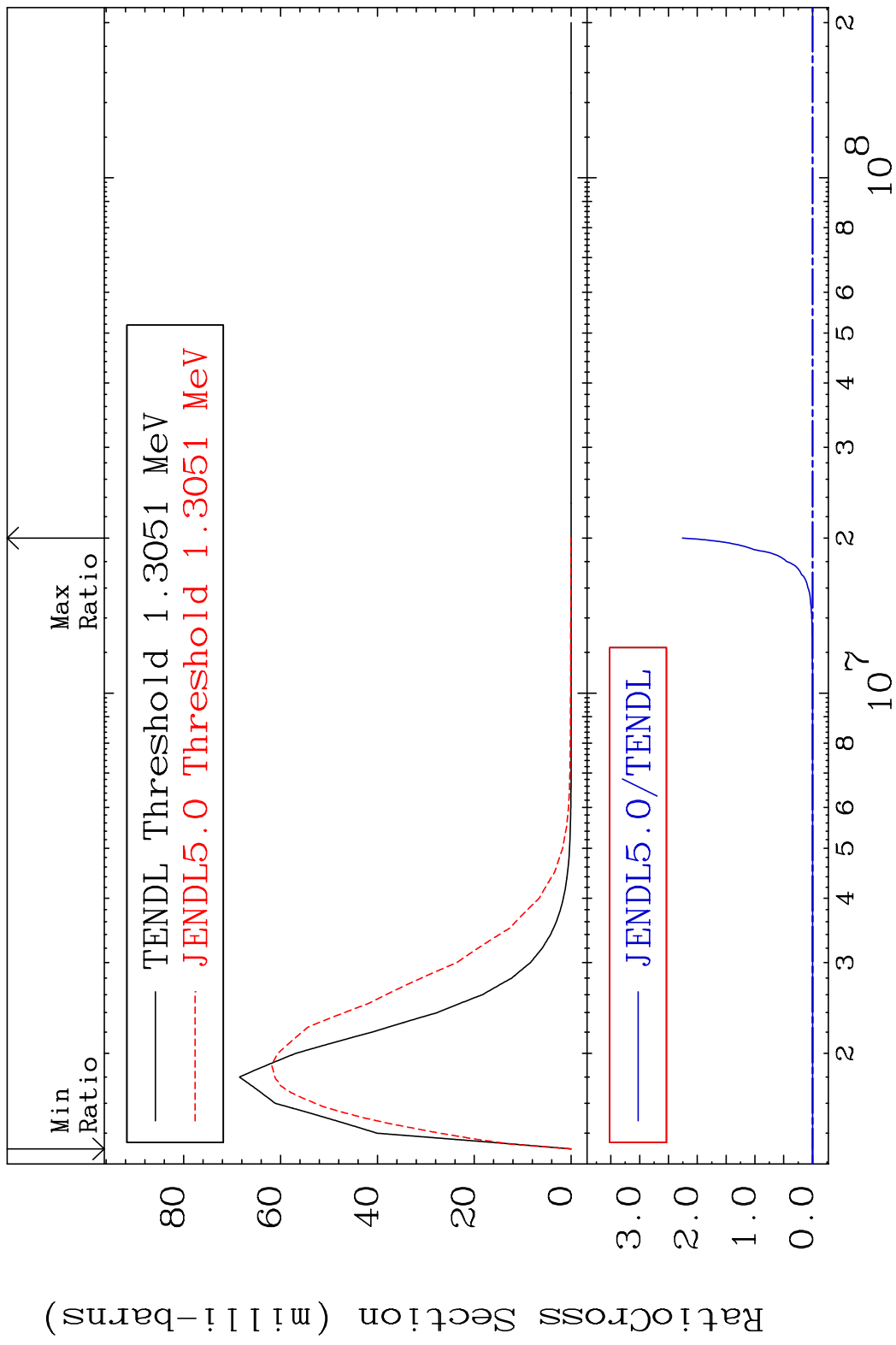
MT= 61 (n, n') Level

66-Dy-162

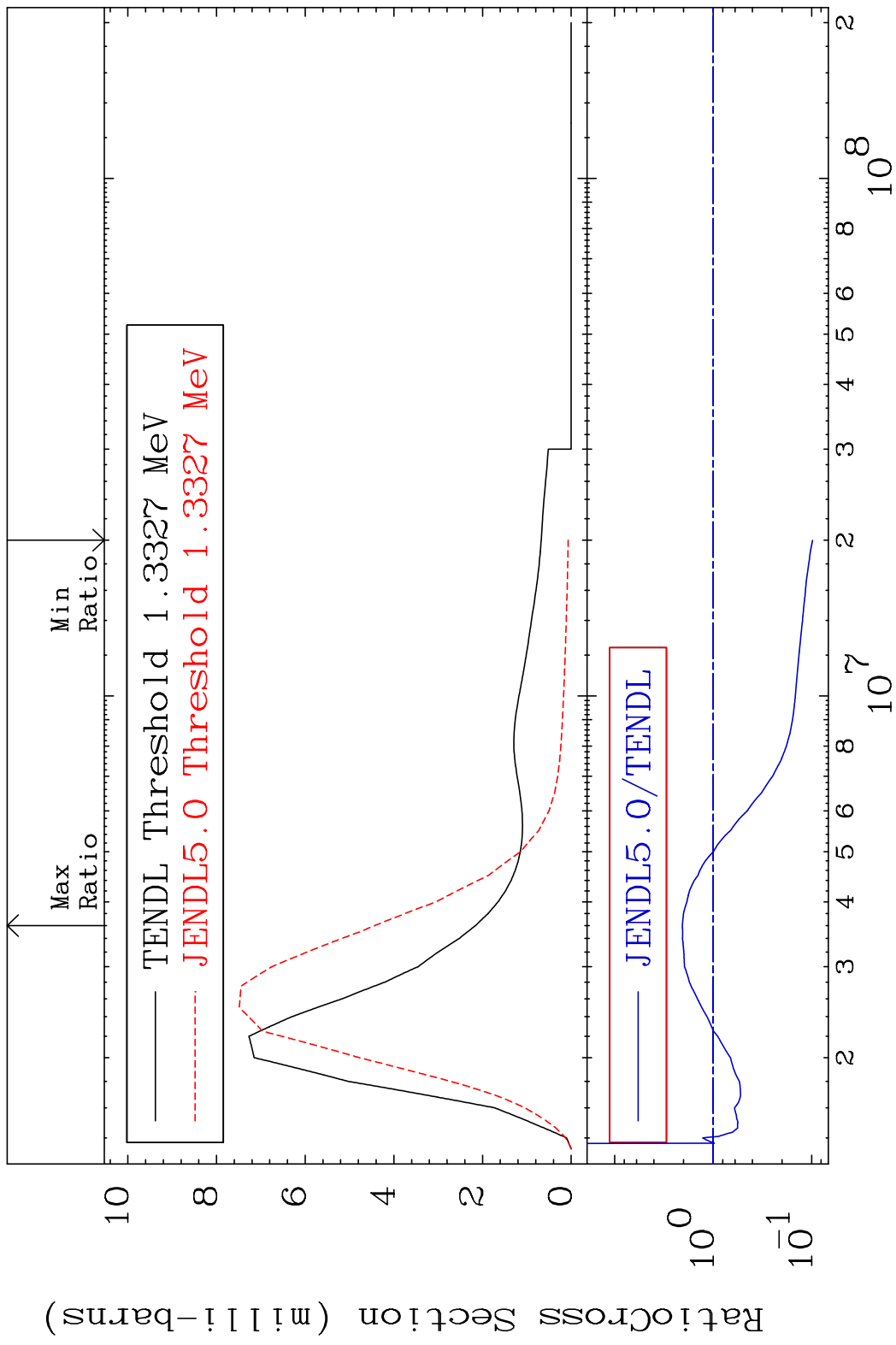
Cross Section -88.24 To 225.1 %



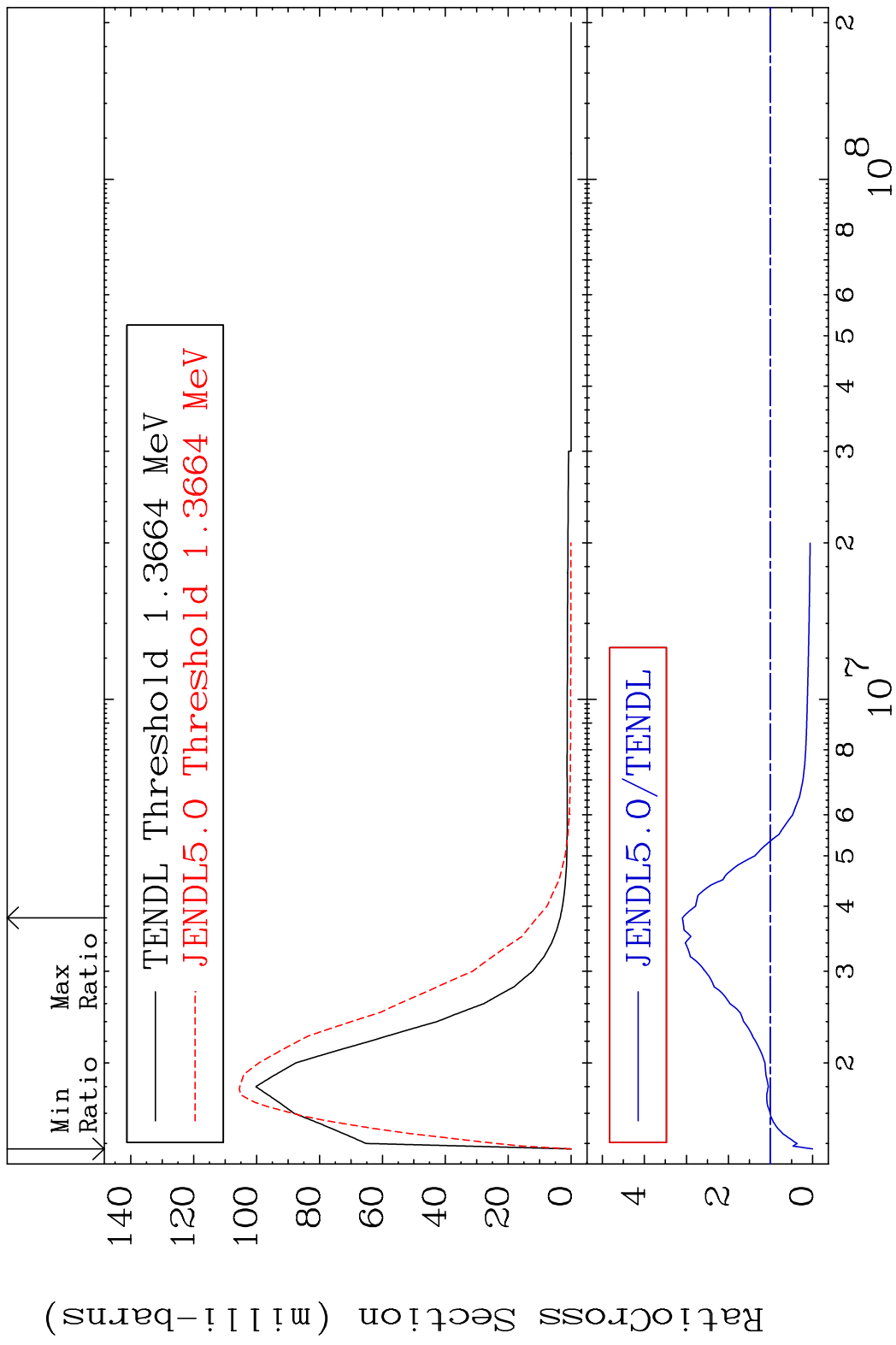
MAT 6643 MT= 62 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 9999. %



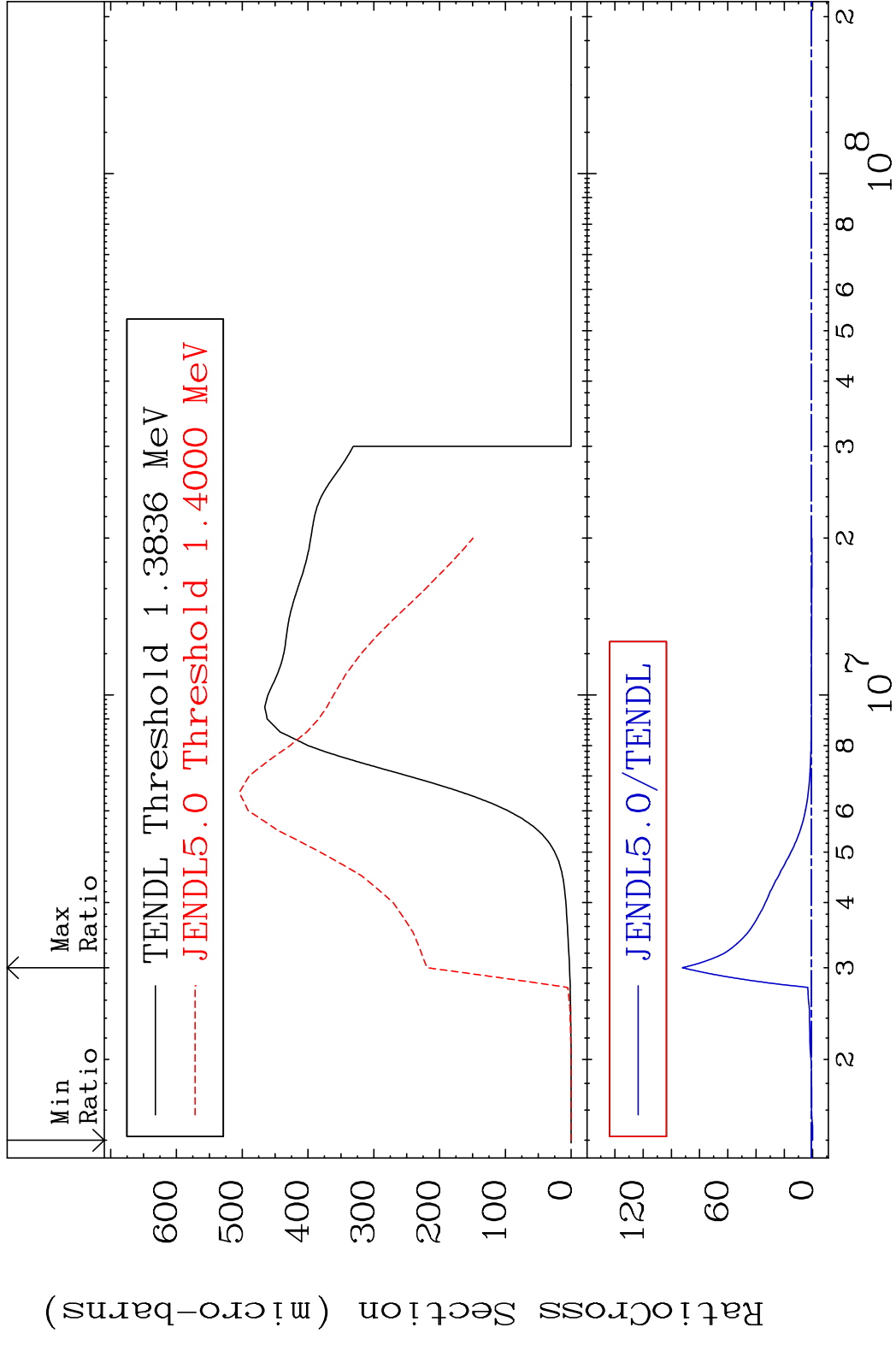
MAT 6643 MT= 63 (n, n') Level 66-Dy-162
 Cross Section -90.22 To 105.4 %



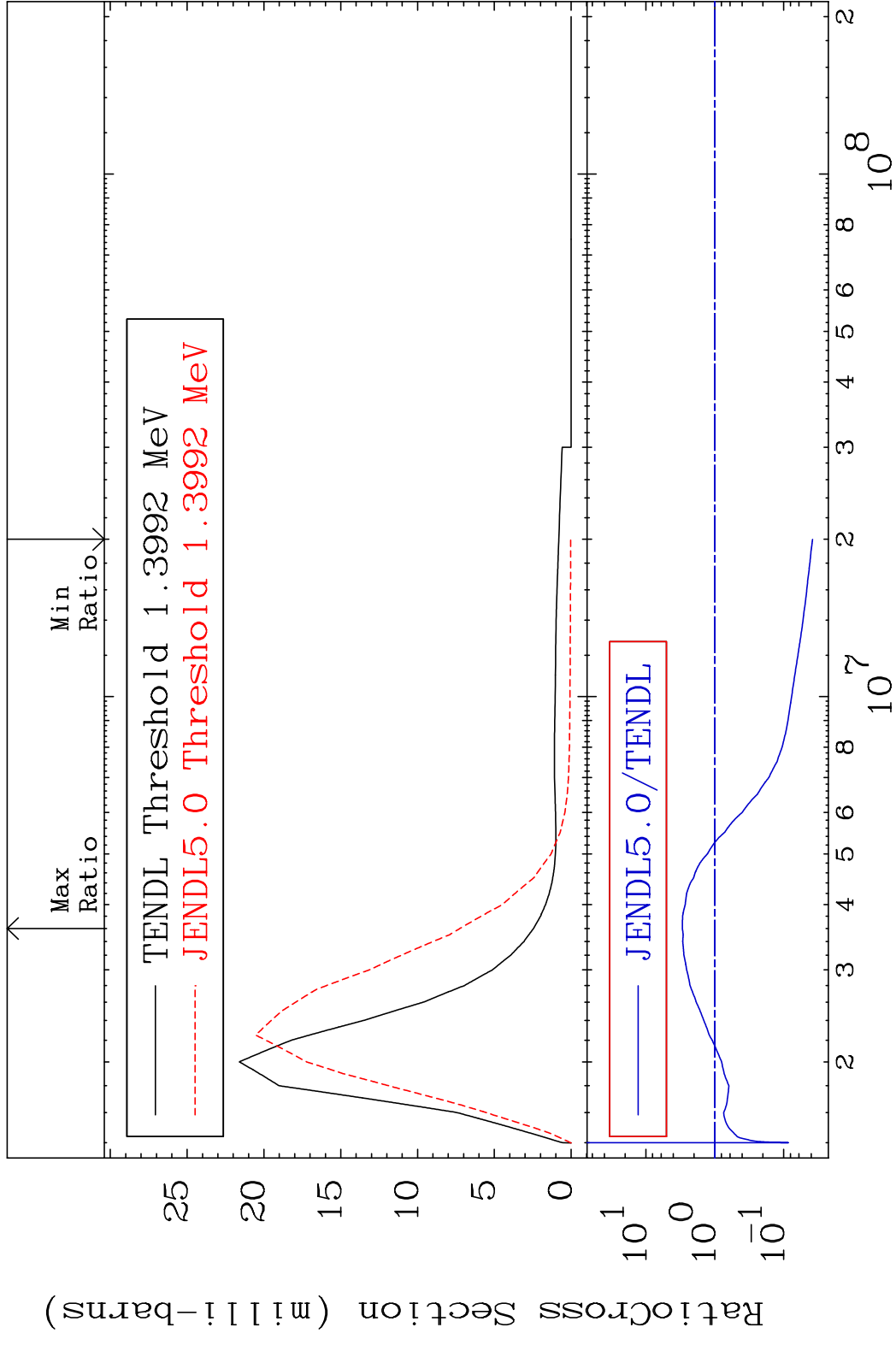
MAT 6643 MT= 64 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 209.6 %



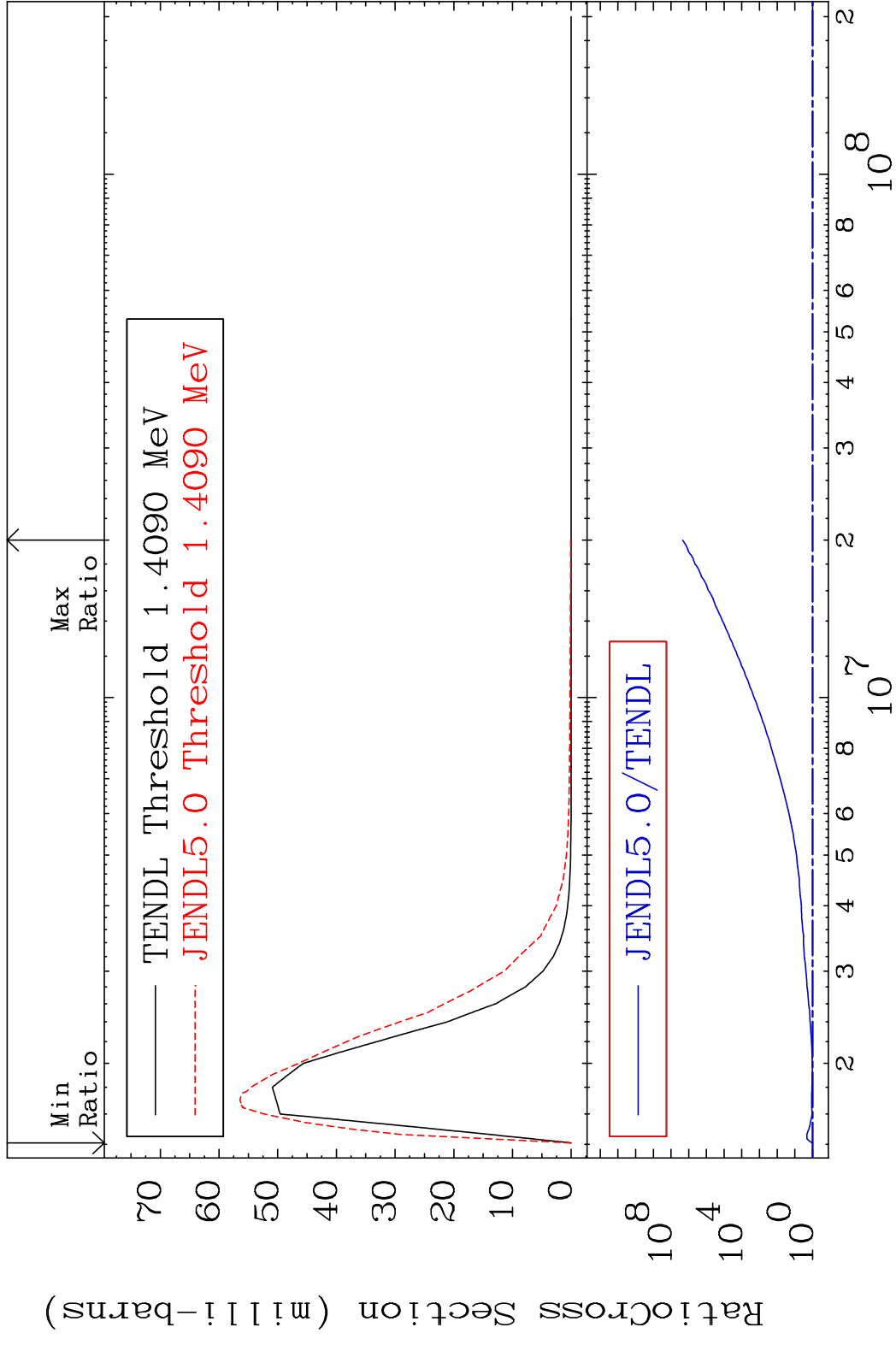
MAT 6643 MT= 65 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 9121. %



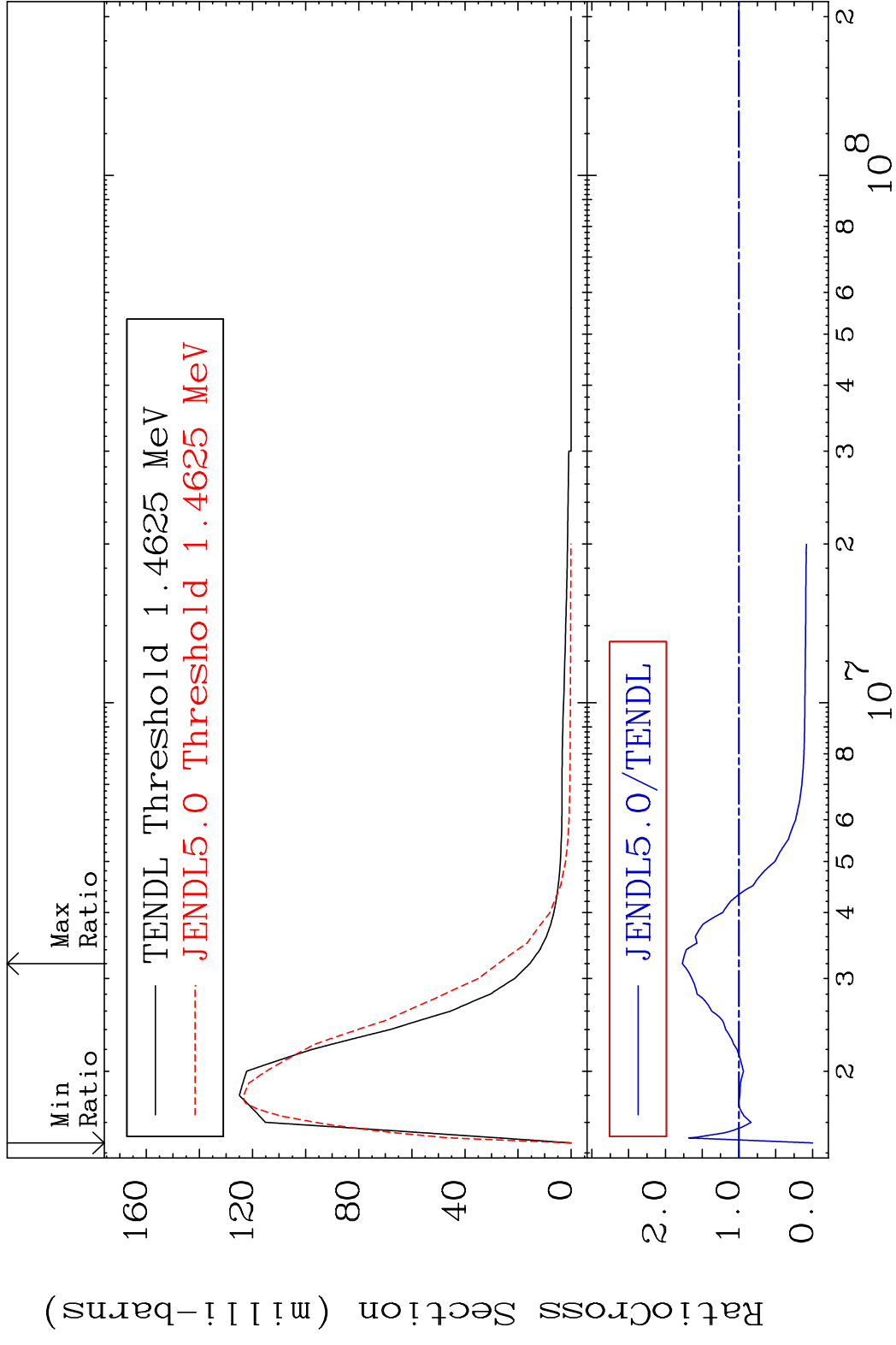
MAT 6643 MT= 66 (n, n') Level 66-Dy-162
 Cross Section -96.18 To 195.6 %



MAT 6643 MT= 67 (n, n') Level 66-Dy-162
 Cross Section 0.000 To 9999. %



MAT 6643 MT= 68 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 76.96 %

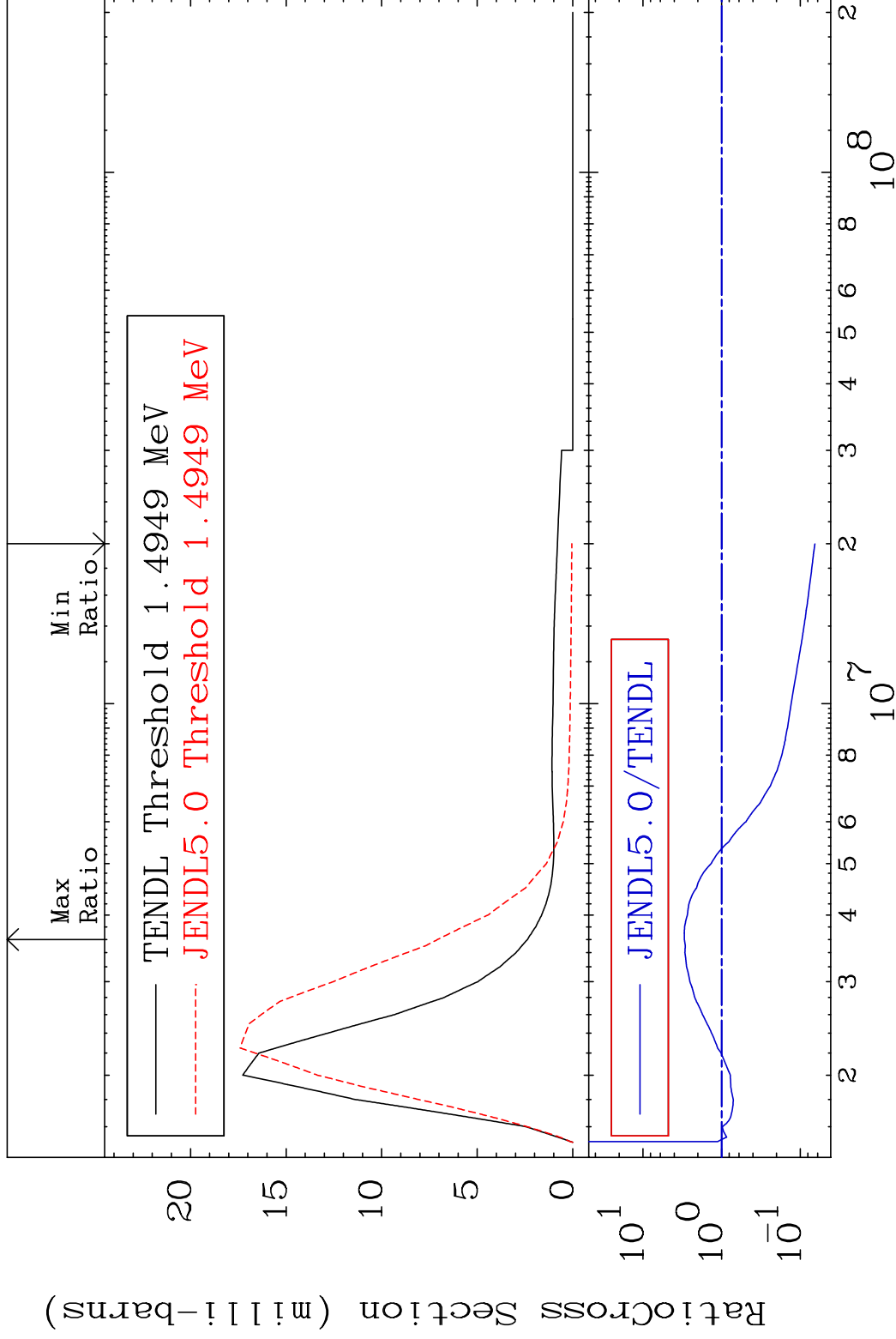


MAT 6643

MT= 69 (n, n') Level

66-Dy-162

Cross Section -93.49 To 197.3 %

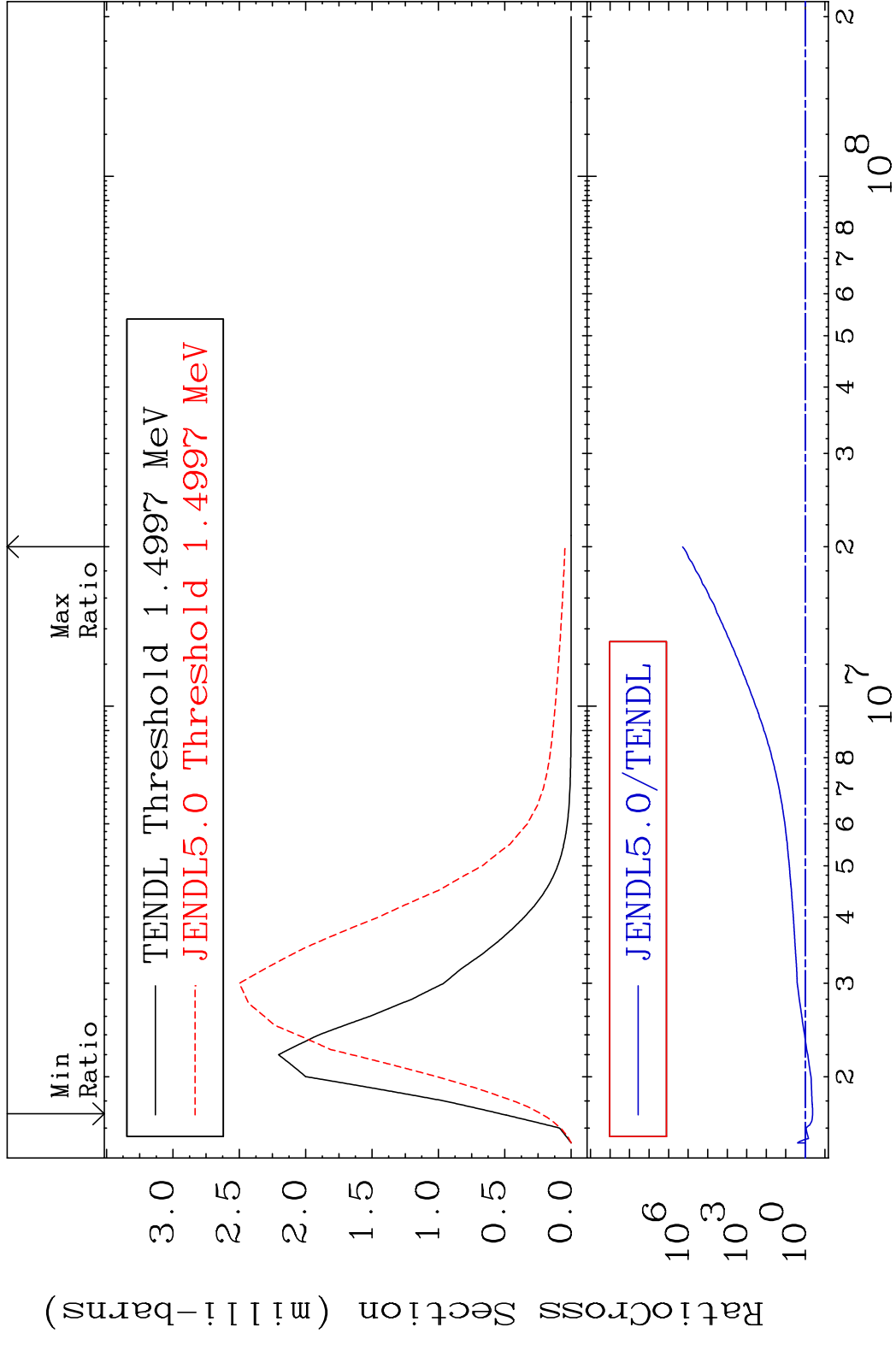


28

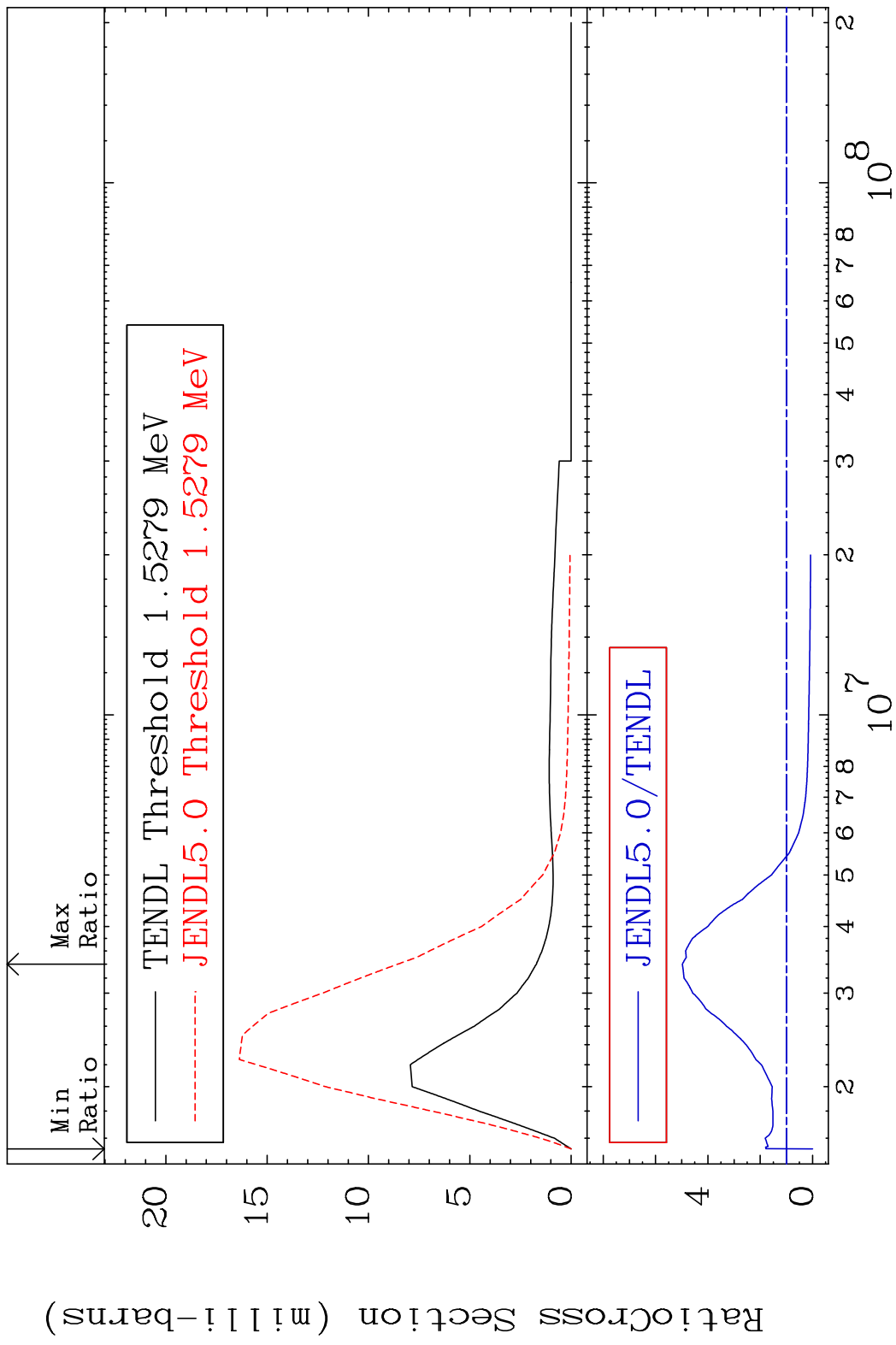
Incident Energy (eV)

66-Dy-162

MAT 6643 MT= 70 (n, n') Level 66-Dy-162
 Cross Section -57.34 To 9999. %

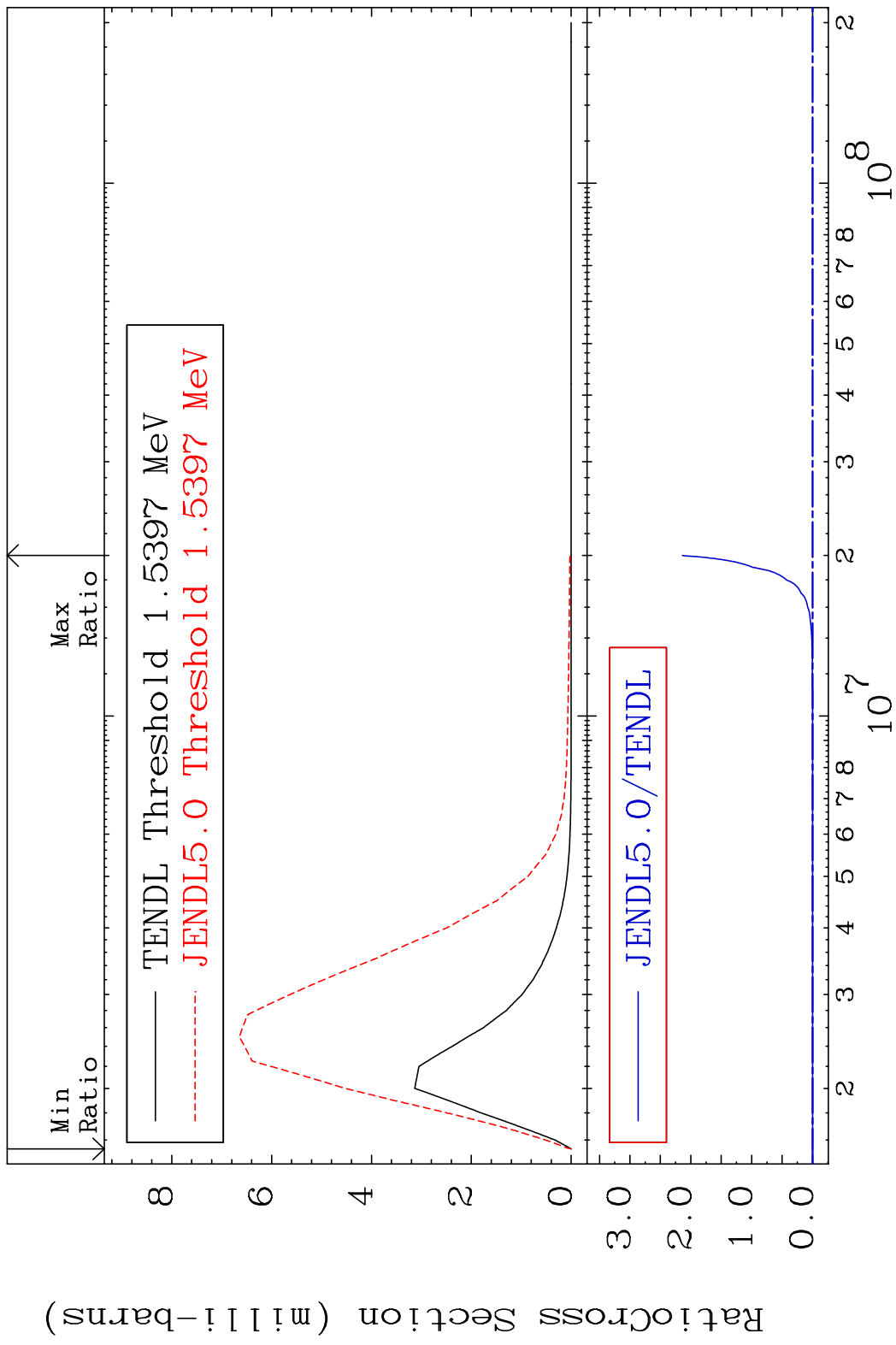


MAT 6643 MT= 71 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 397.6 %

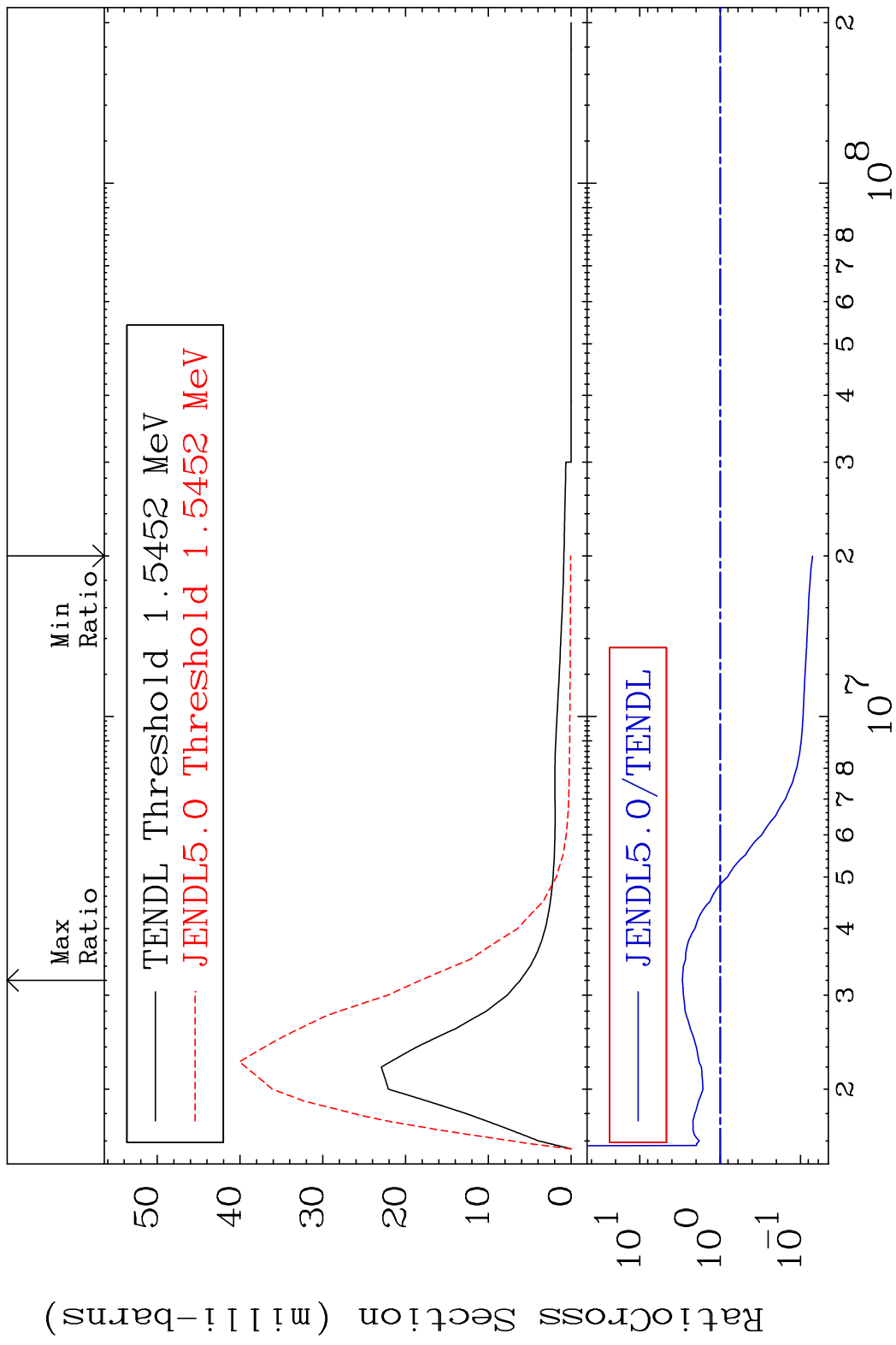


30 Incident Energy (eV) 66-Dy-162

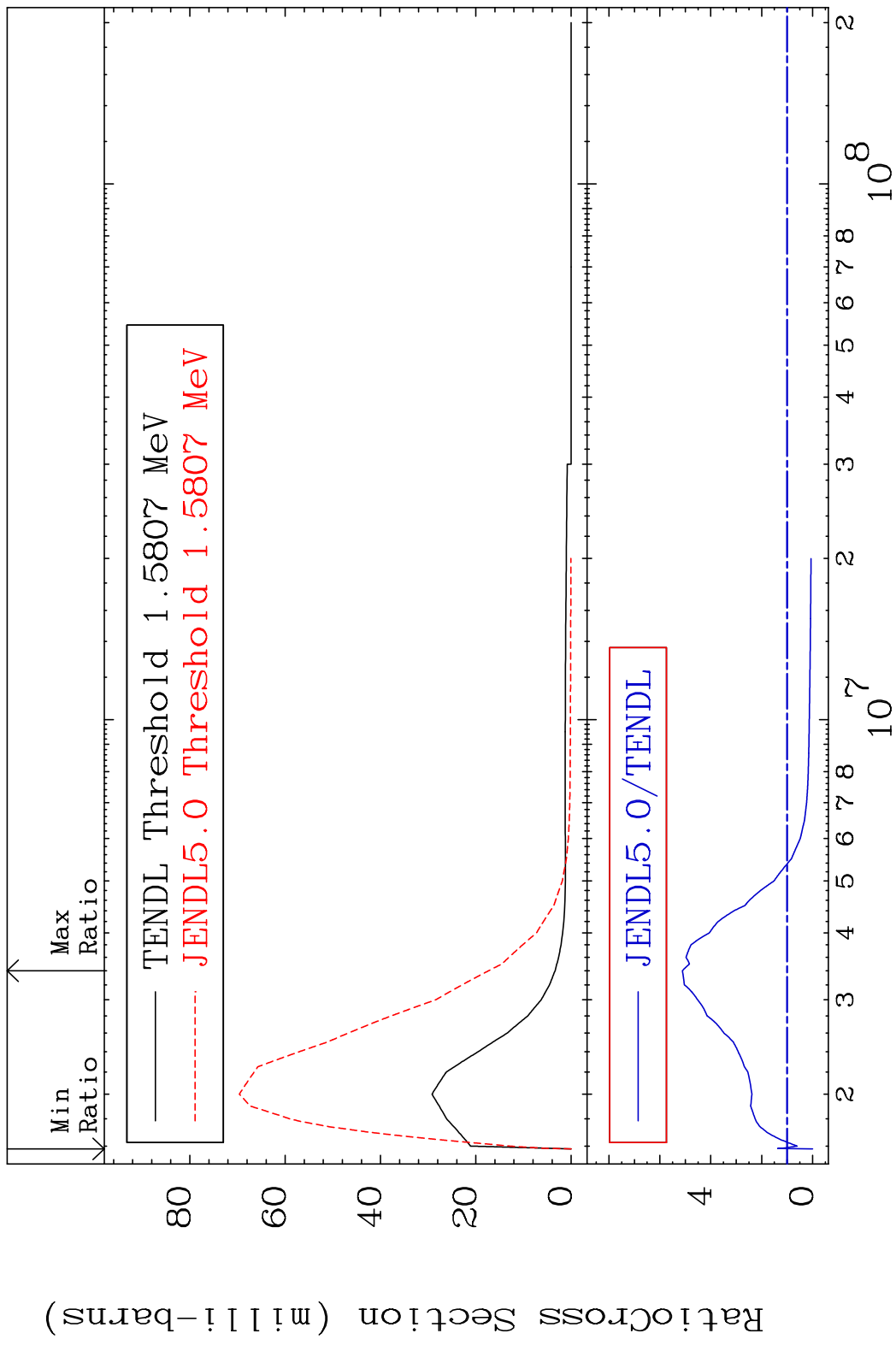
MAT 6643 MT= 72 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 9999. %



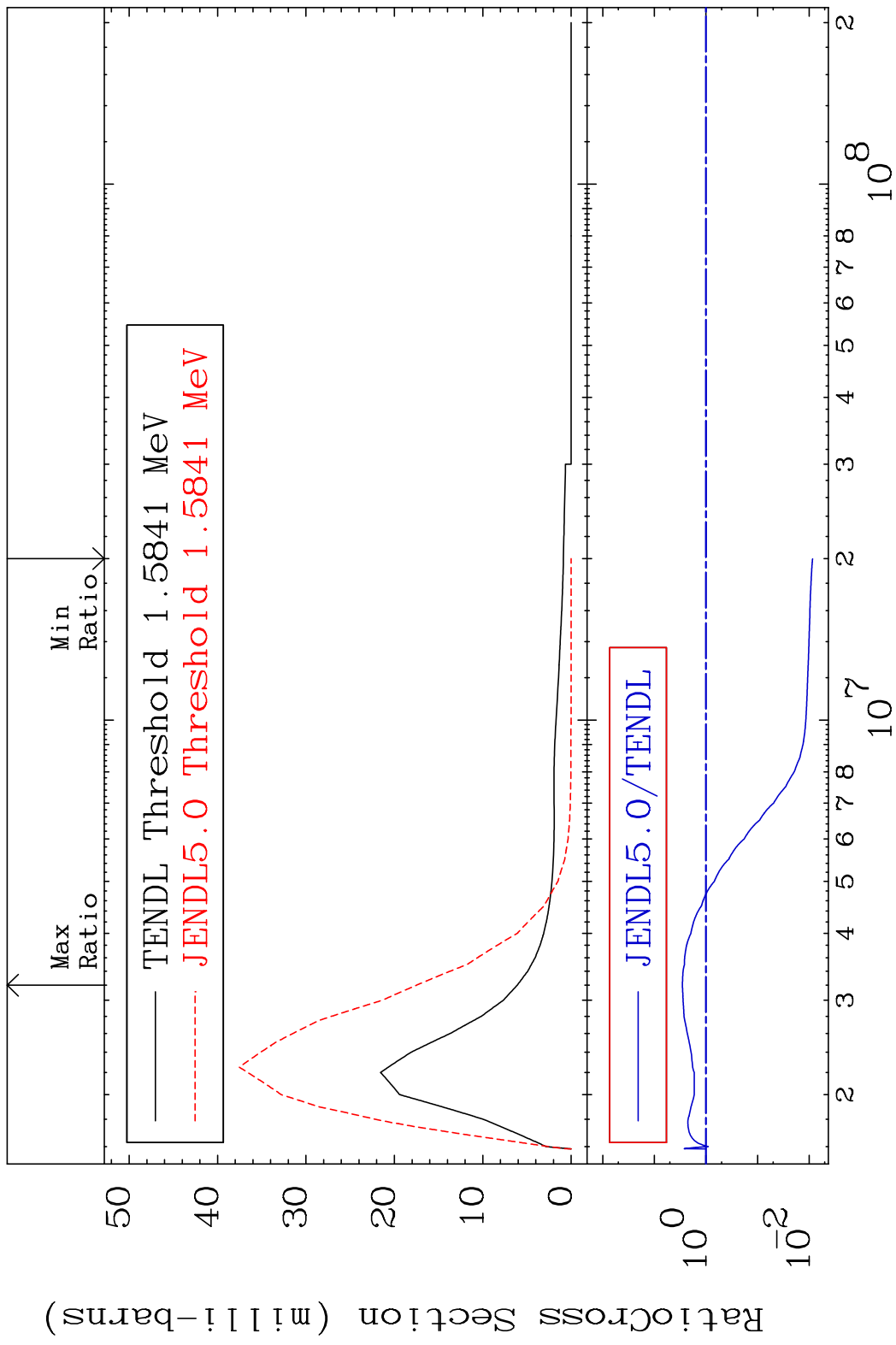
MAT 6643 MT= 73 (n, n') Level 66-Dy-162
 Cross Section -92.92 To 195.7 %



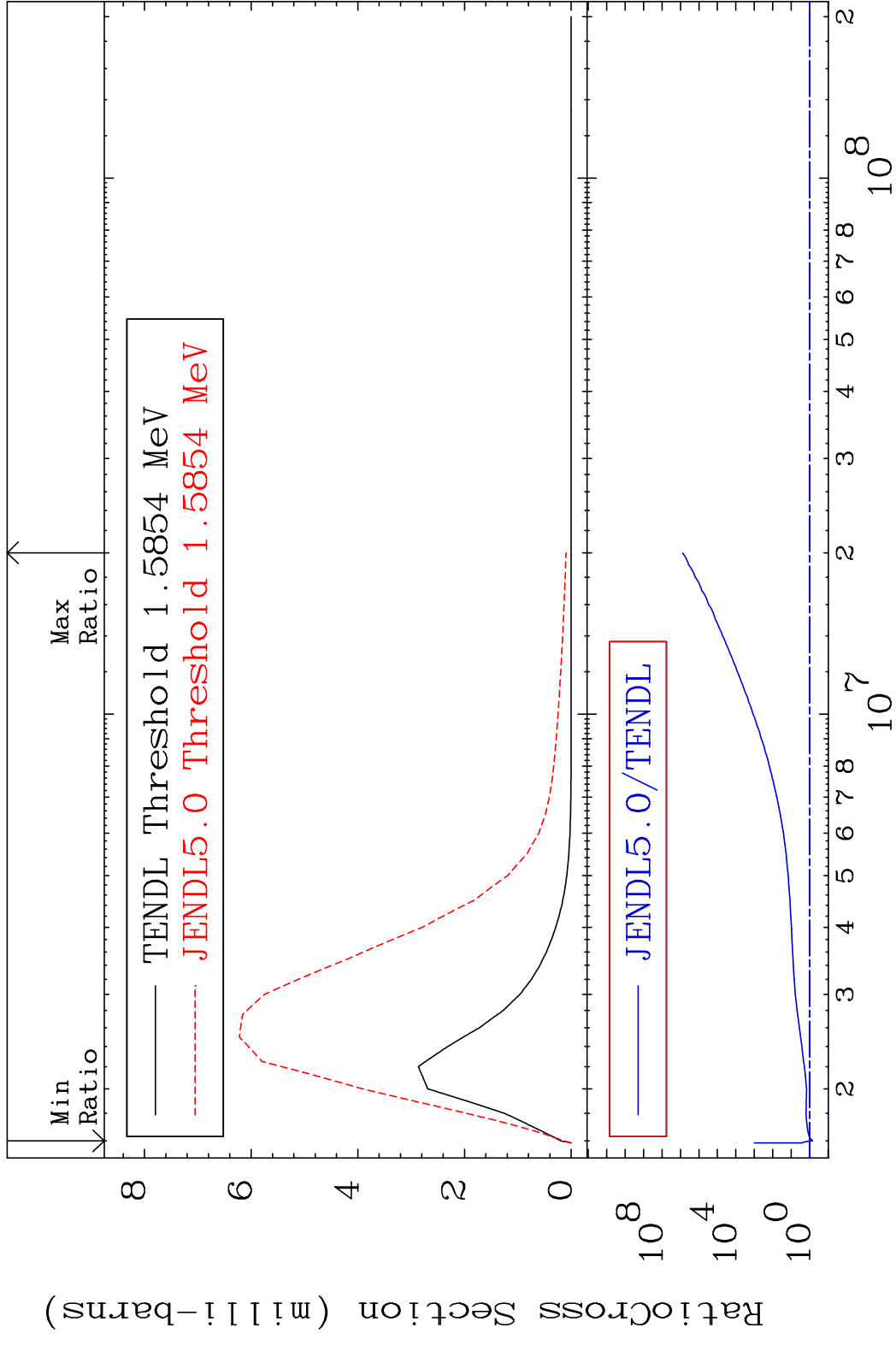
MAT 6643 MT= 74 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 411.6 %



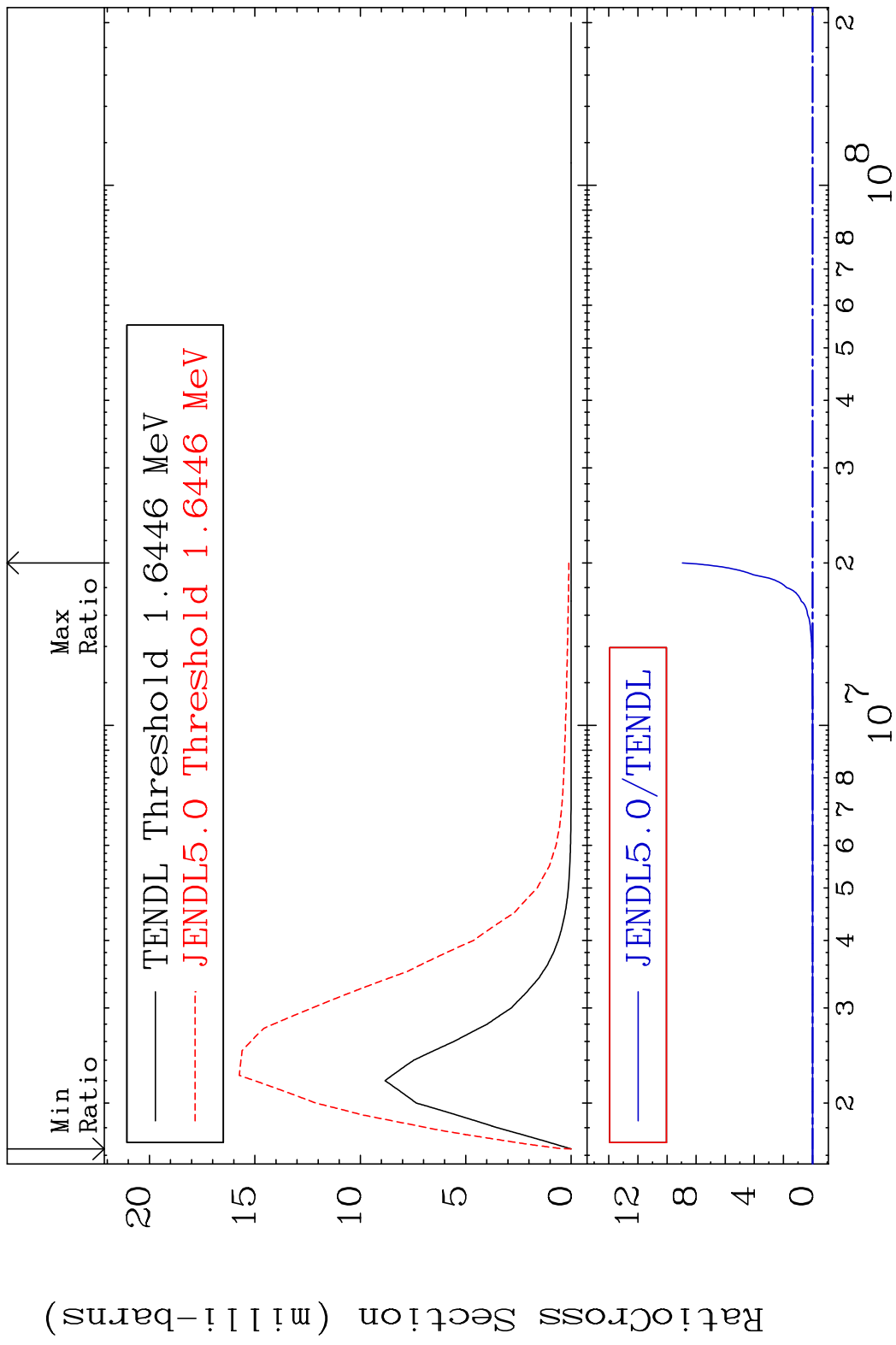
MAT 6643 MT= 75 (n, n') Level 66-Dy-162
 Cross Section -99.14 To 187.1 %



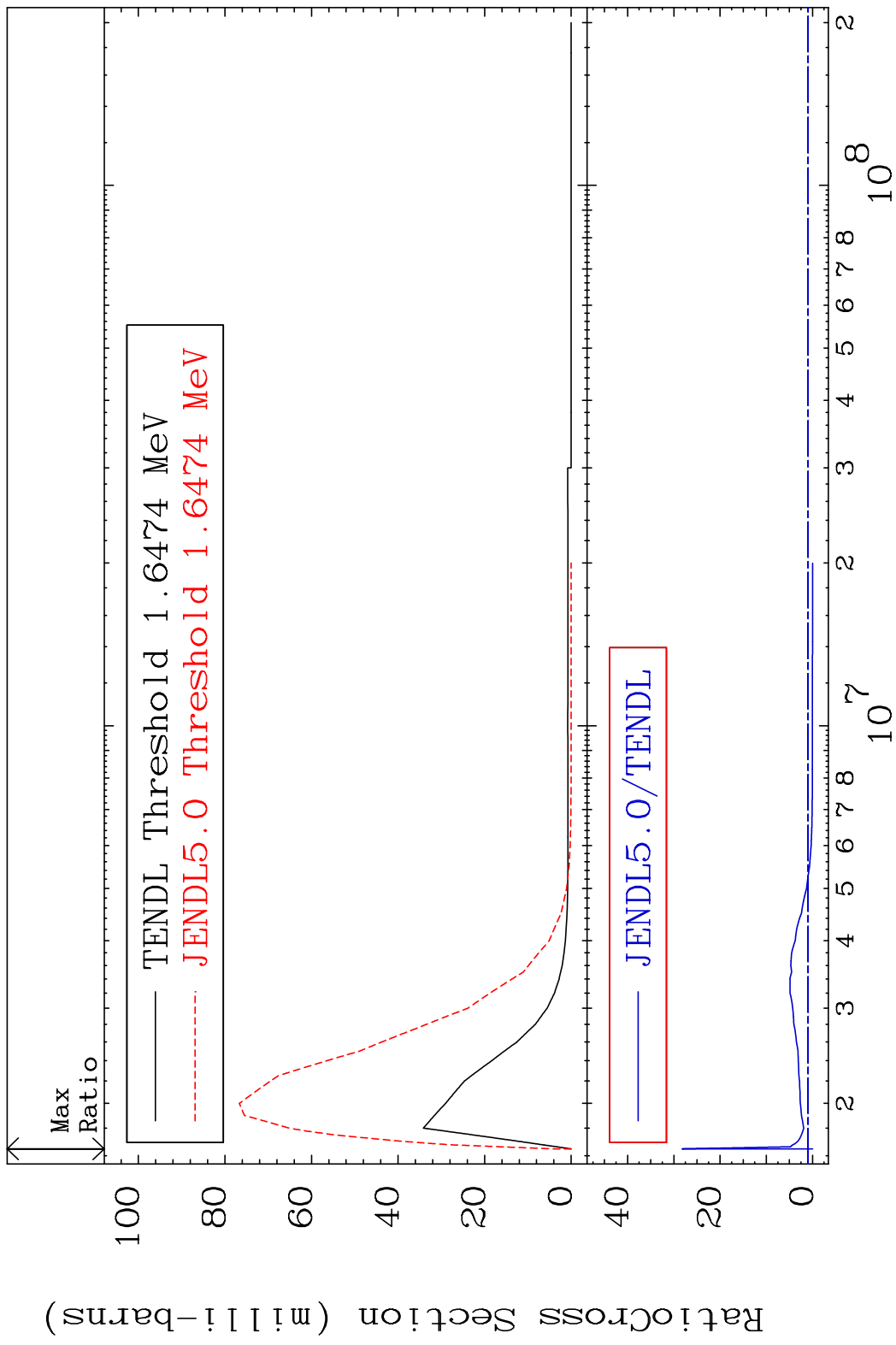
MAT 6643 MT= 76 (n, n') Level 66-Dy-162
 Cross Section -30.97 To 9999. %



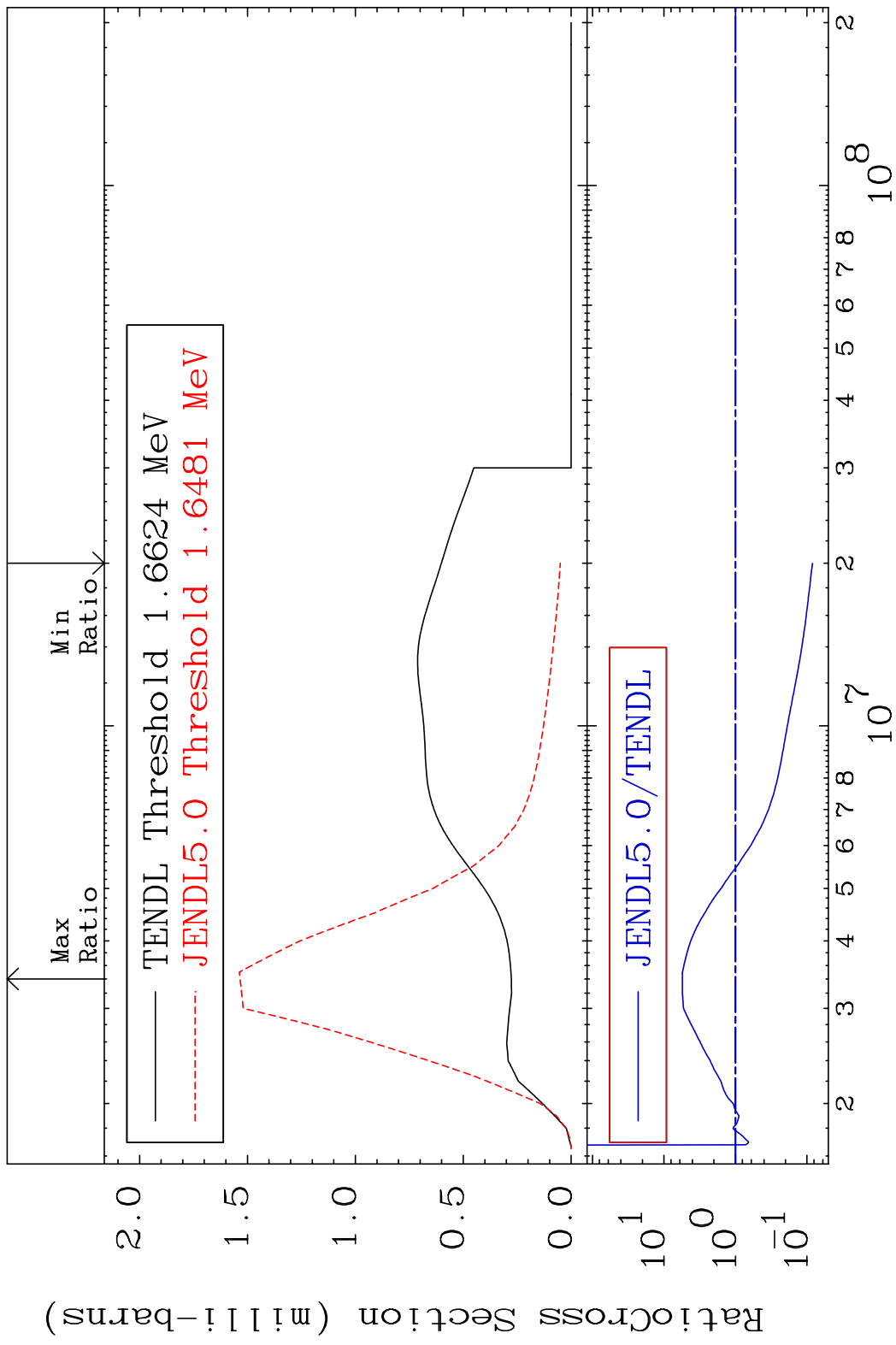
MAT 6643 MT= 77 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 9999. %



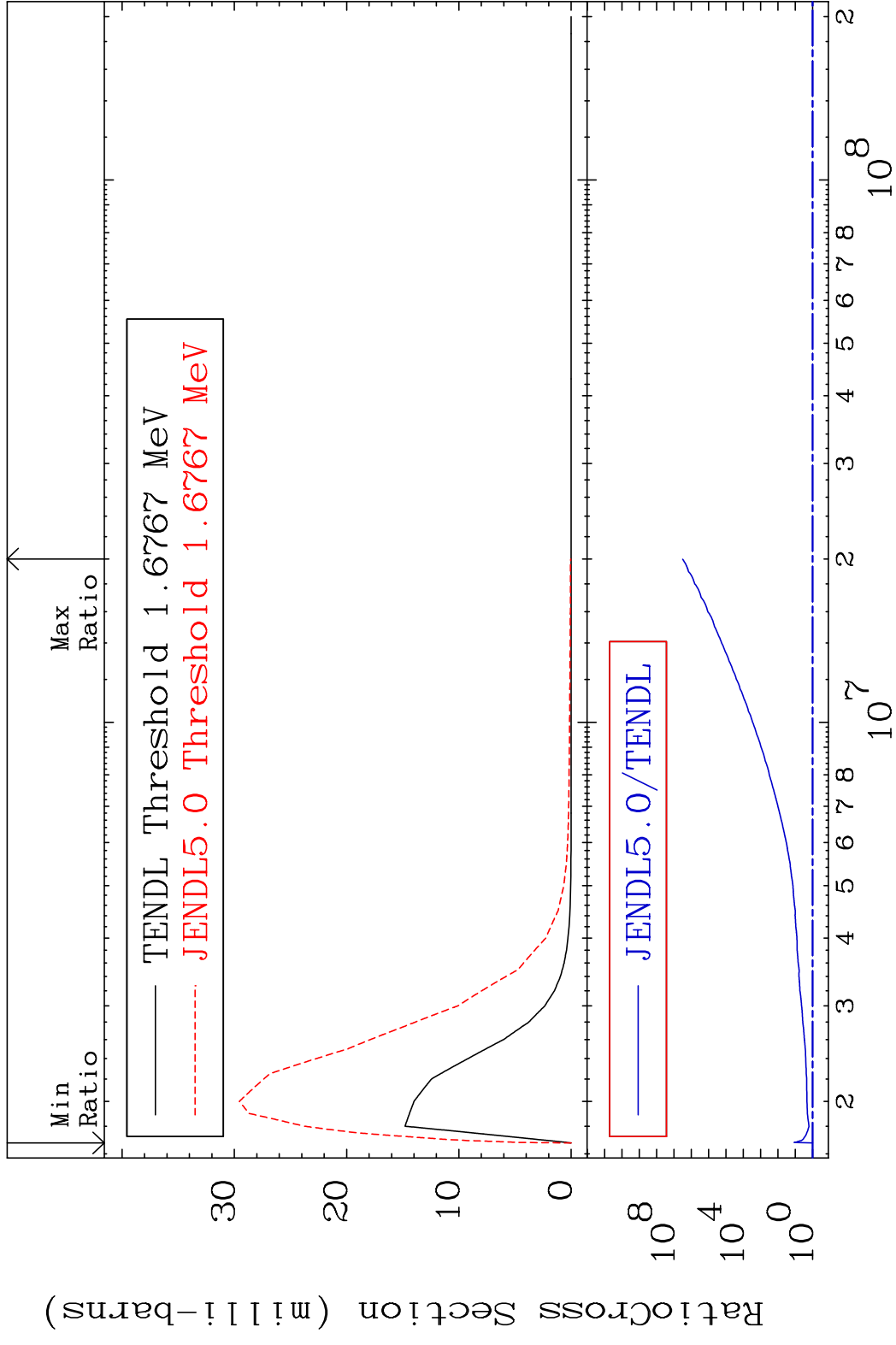
MAT 6643 MT= 78 (n, n') Level 66-Dy-162
 Cross Section -100.0 To 2716. %



MAT 6643 MT= 79 (n, n') Level 66-Dy-162
 Cross Section -91.64 To 453.2 %



MAT 6643 MT= 80 (n, n') Level 66-Dy-162
 Cross Section 0.000 To 9999. %



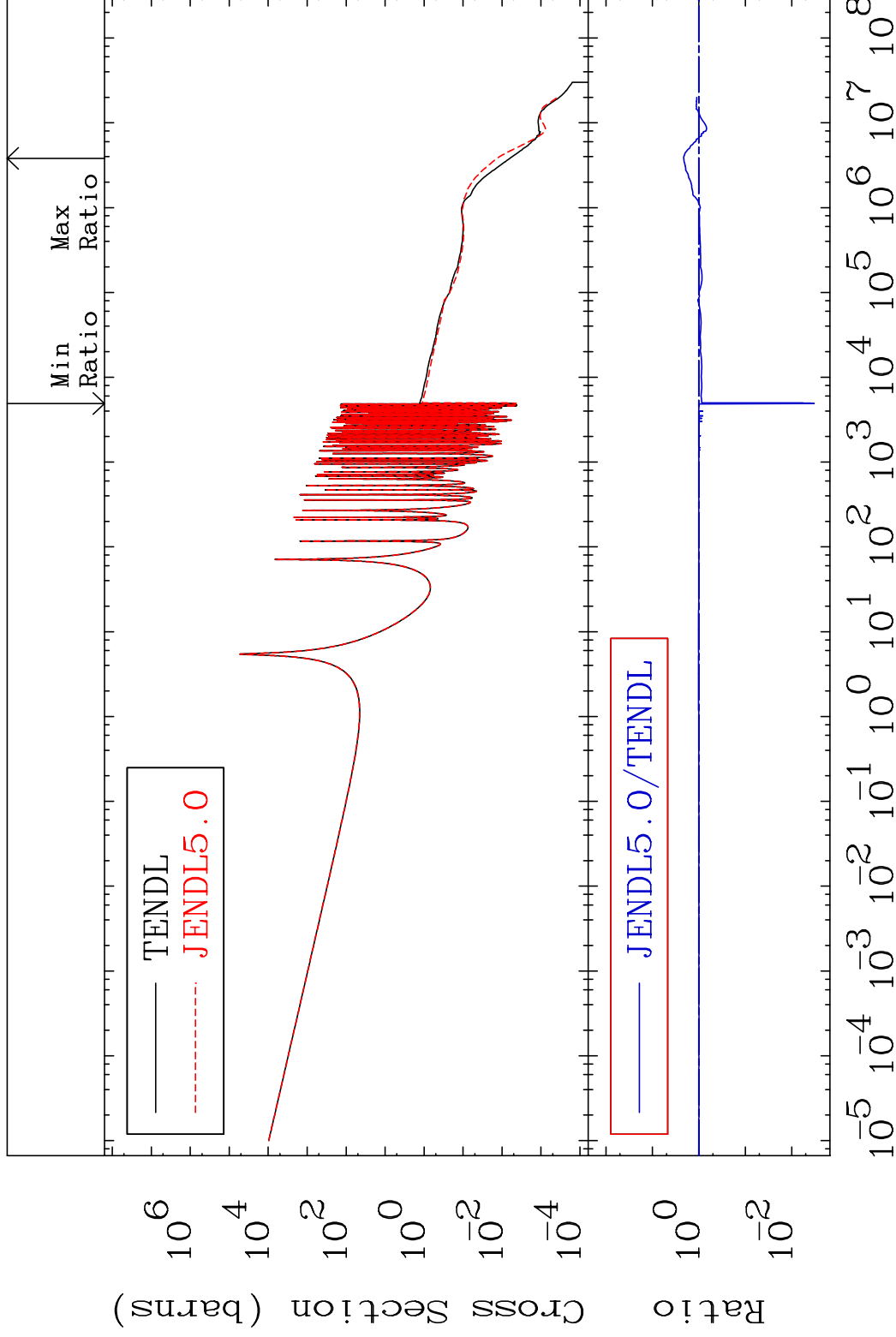
MAT 6643

(n, γ)

66-Dy-162

Cross Section

-99.67 To 112.9 %



41

Incident Energy (eV)

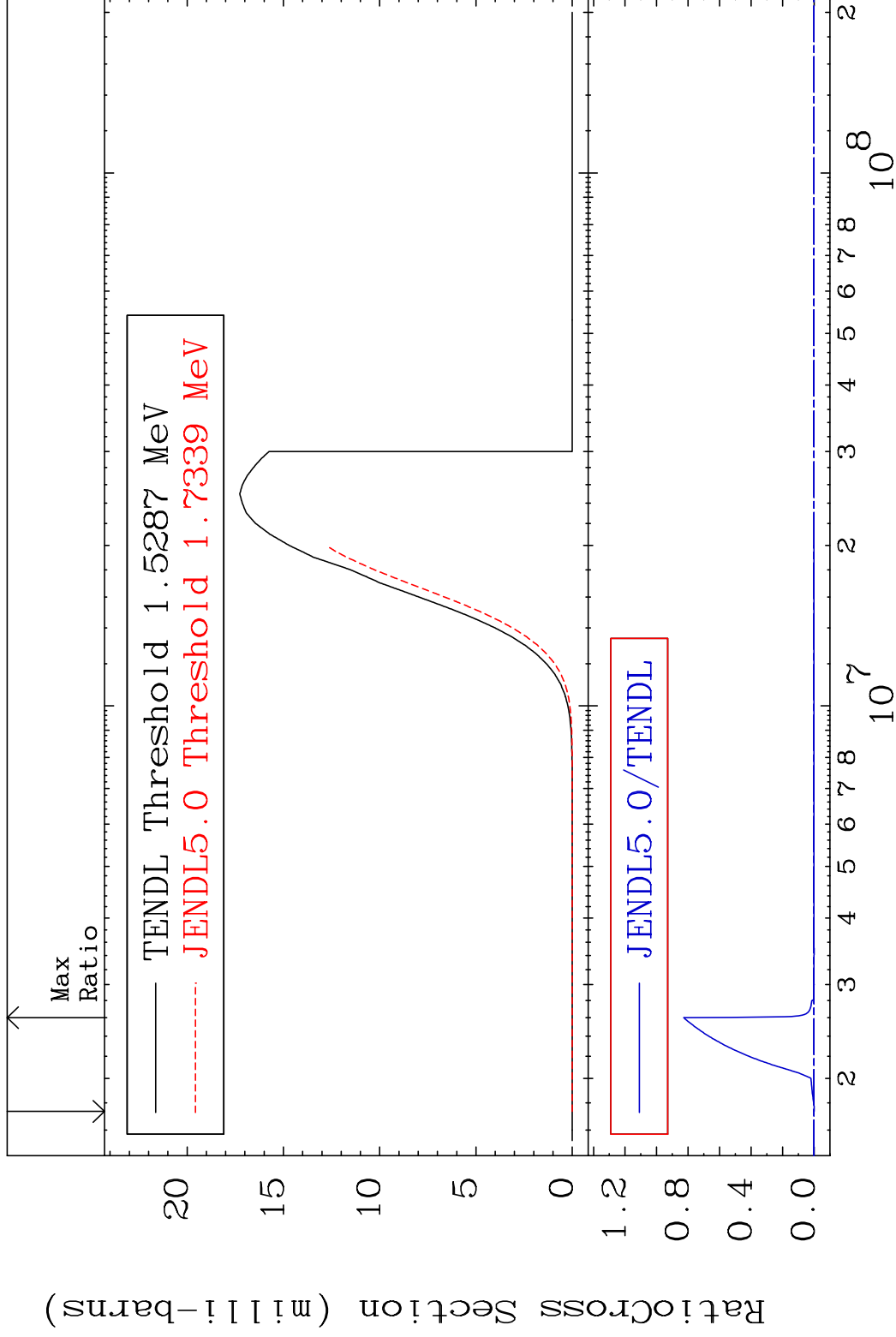
66-Dy-162

MAT 6643

(n,p)

66-Dy-162

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

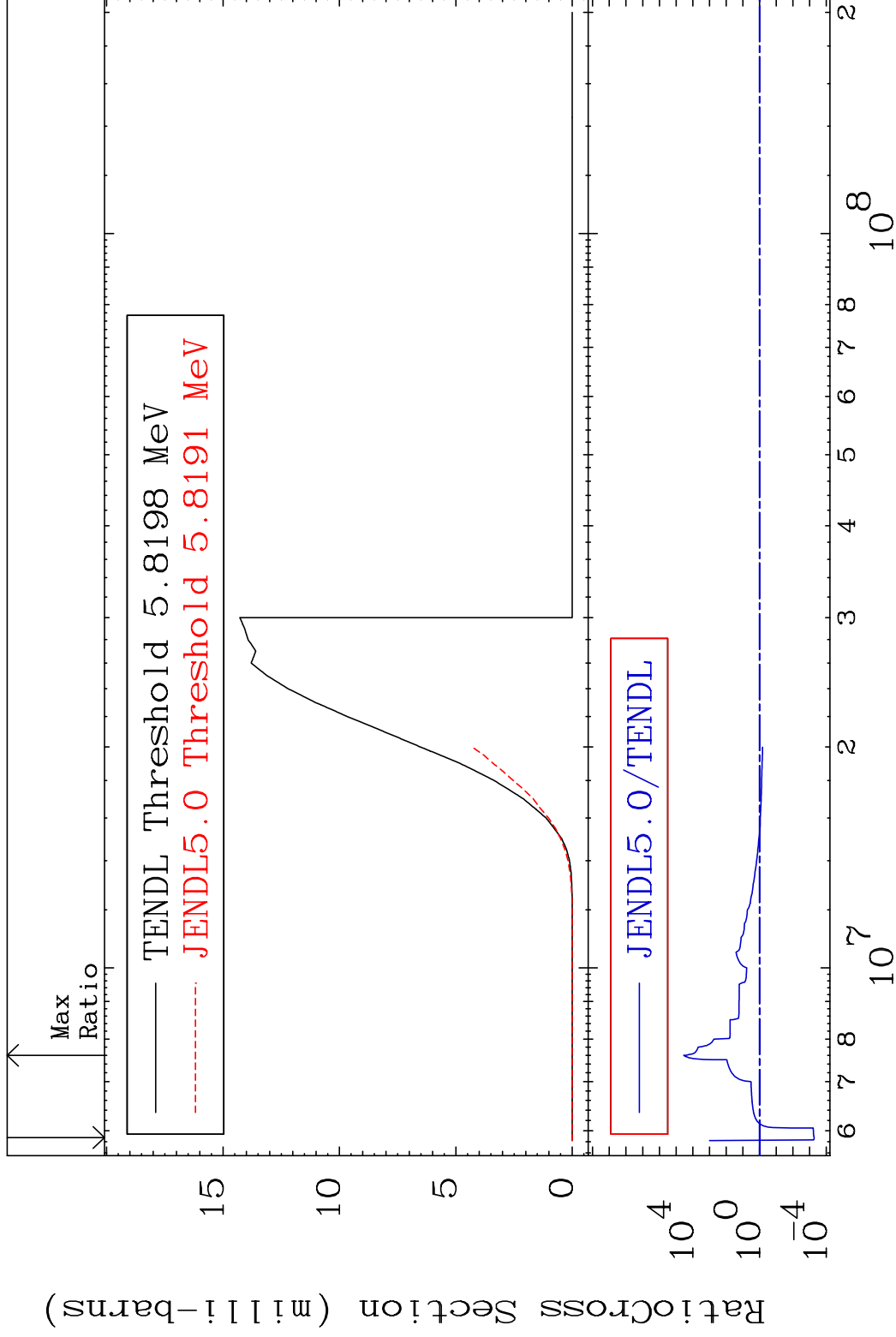
66-Dy-162

MAT 6643

(n, d)

66-Dy-162

Cross Section -99.95 To 9999. %



43

Incident Energy (eV)

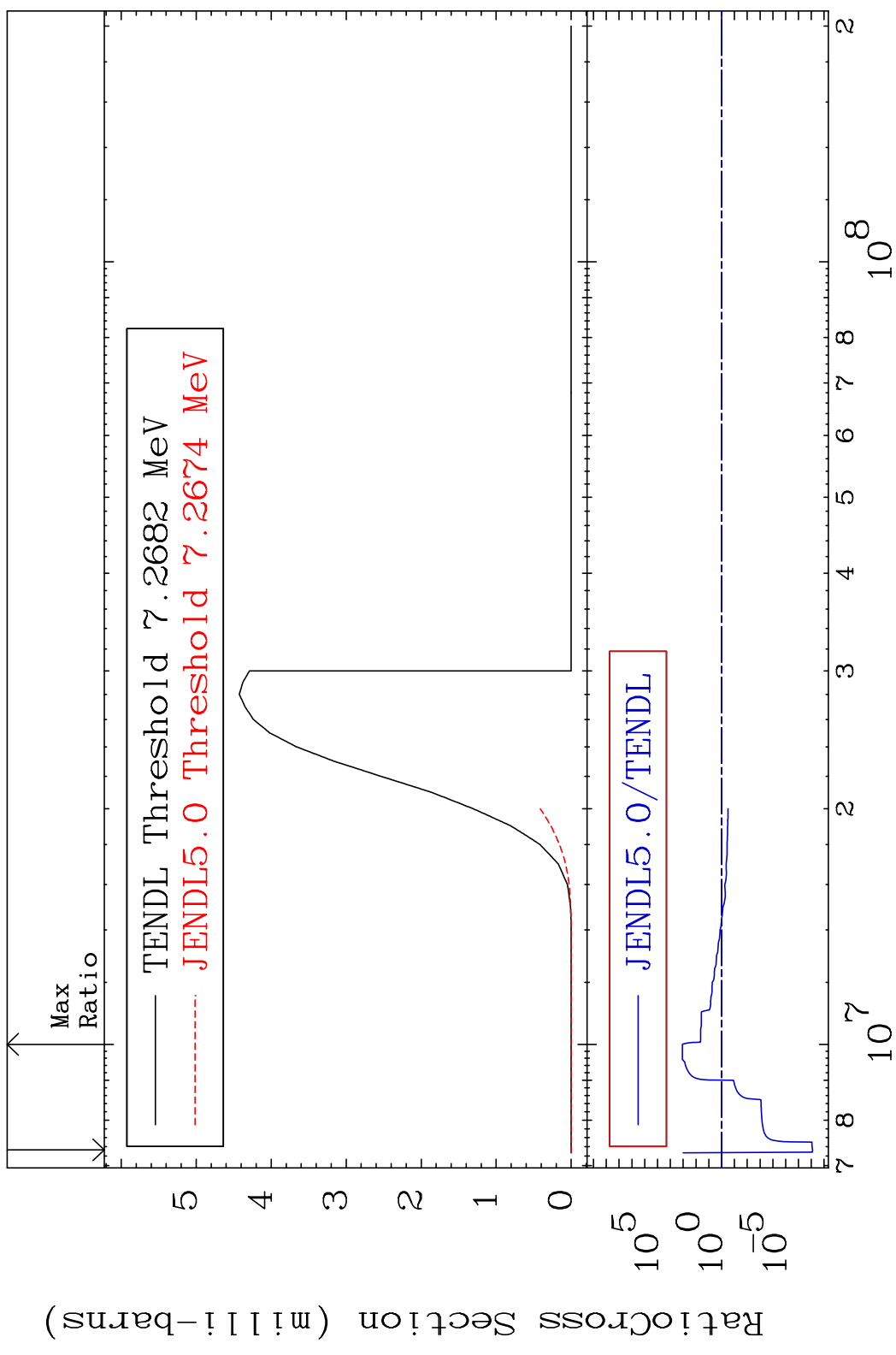
66-Dy-162

MAT 6643

(n, t)

66-Dy-162

Cross Section -100.0 To 9999. %

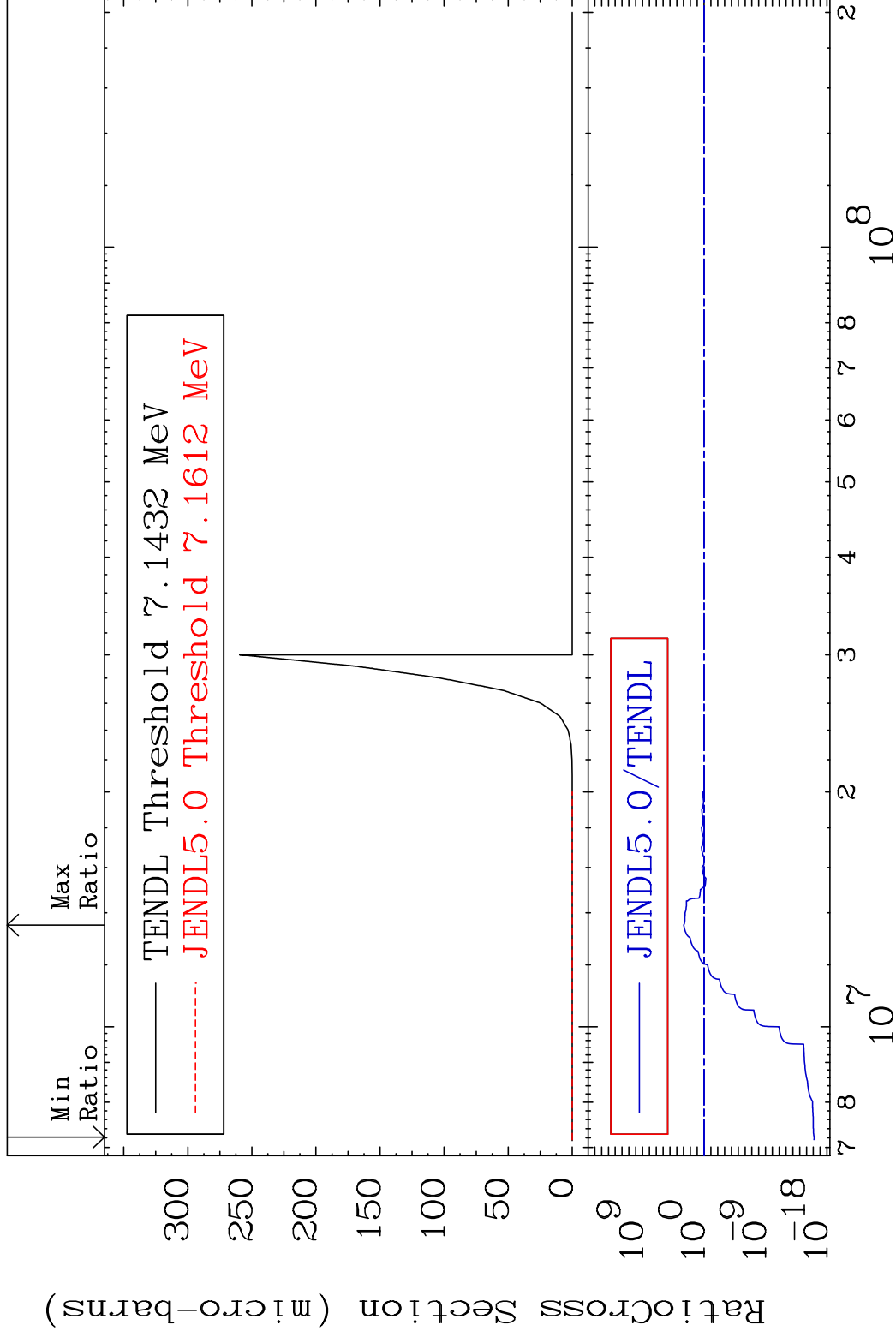


MAT 6643

(n, He-3)

66-Dy-162

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

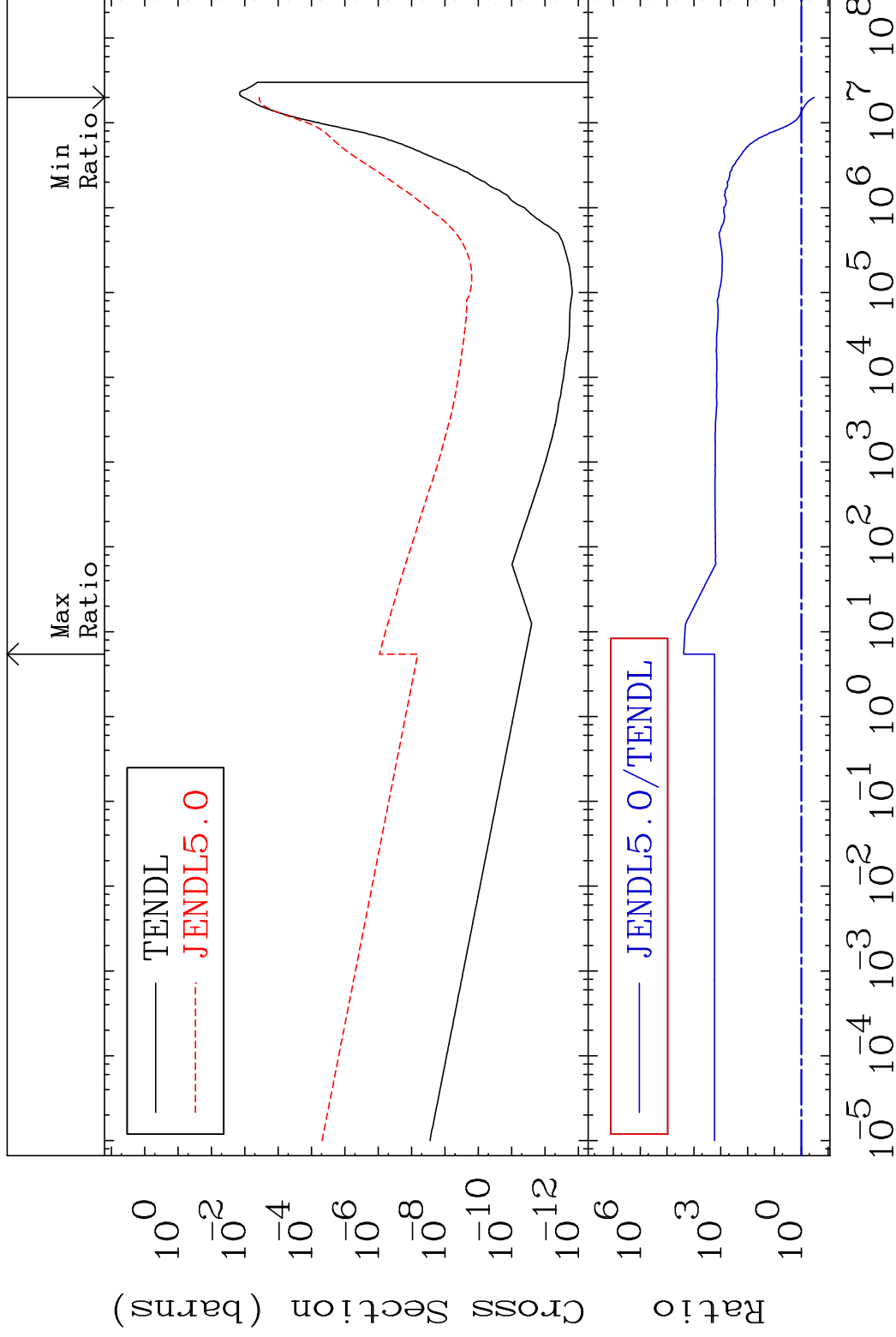
66-Dy-162

MAT 6643

(n, α)

66-Dy-162

Cross Section -66.76 To 9999. %



46

Incident Energy (eV)

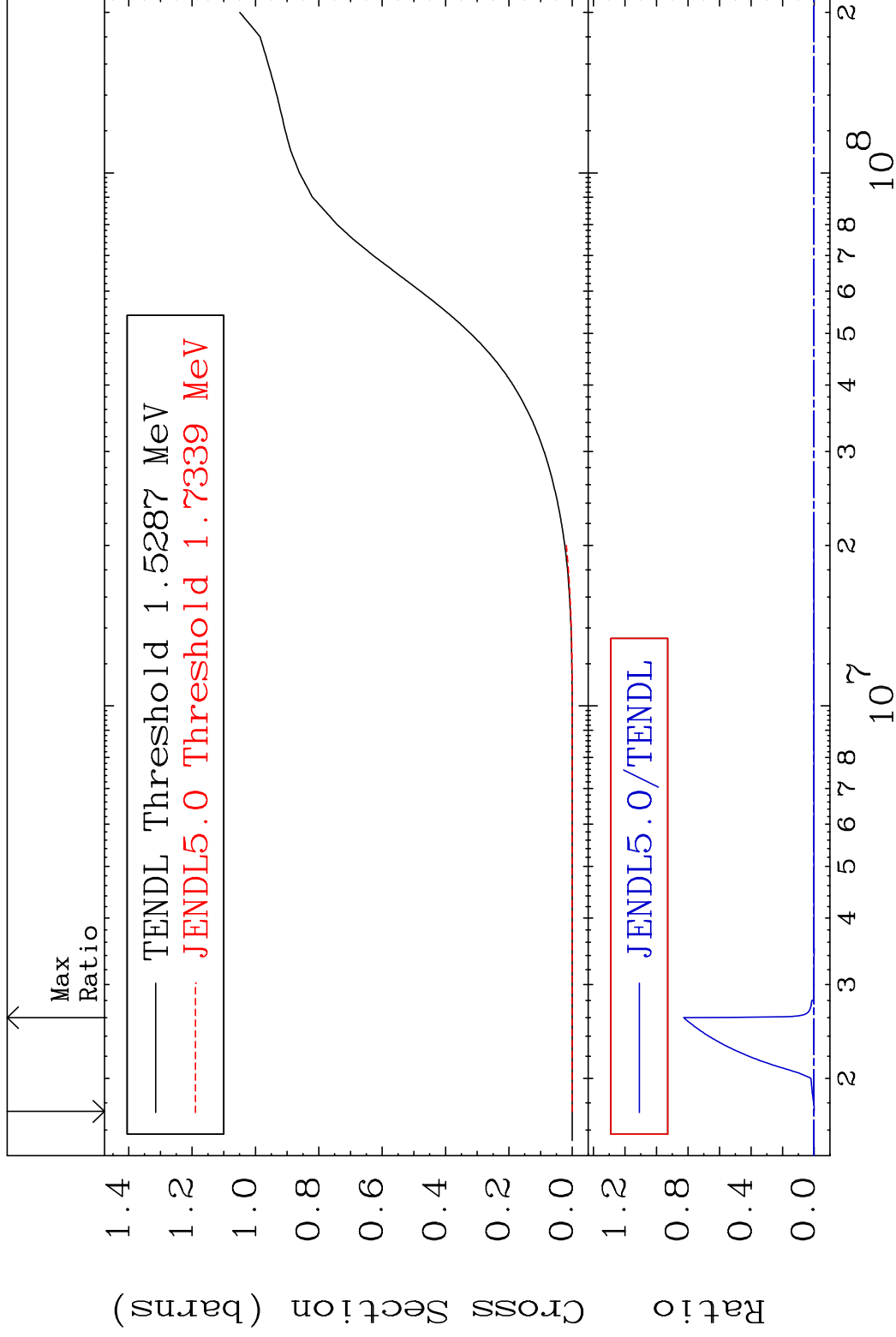
66-Dy-162

MAT 6643

Hydrogen Production

66-Dy-162

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

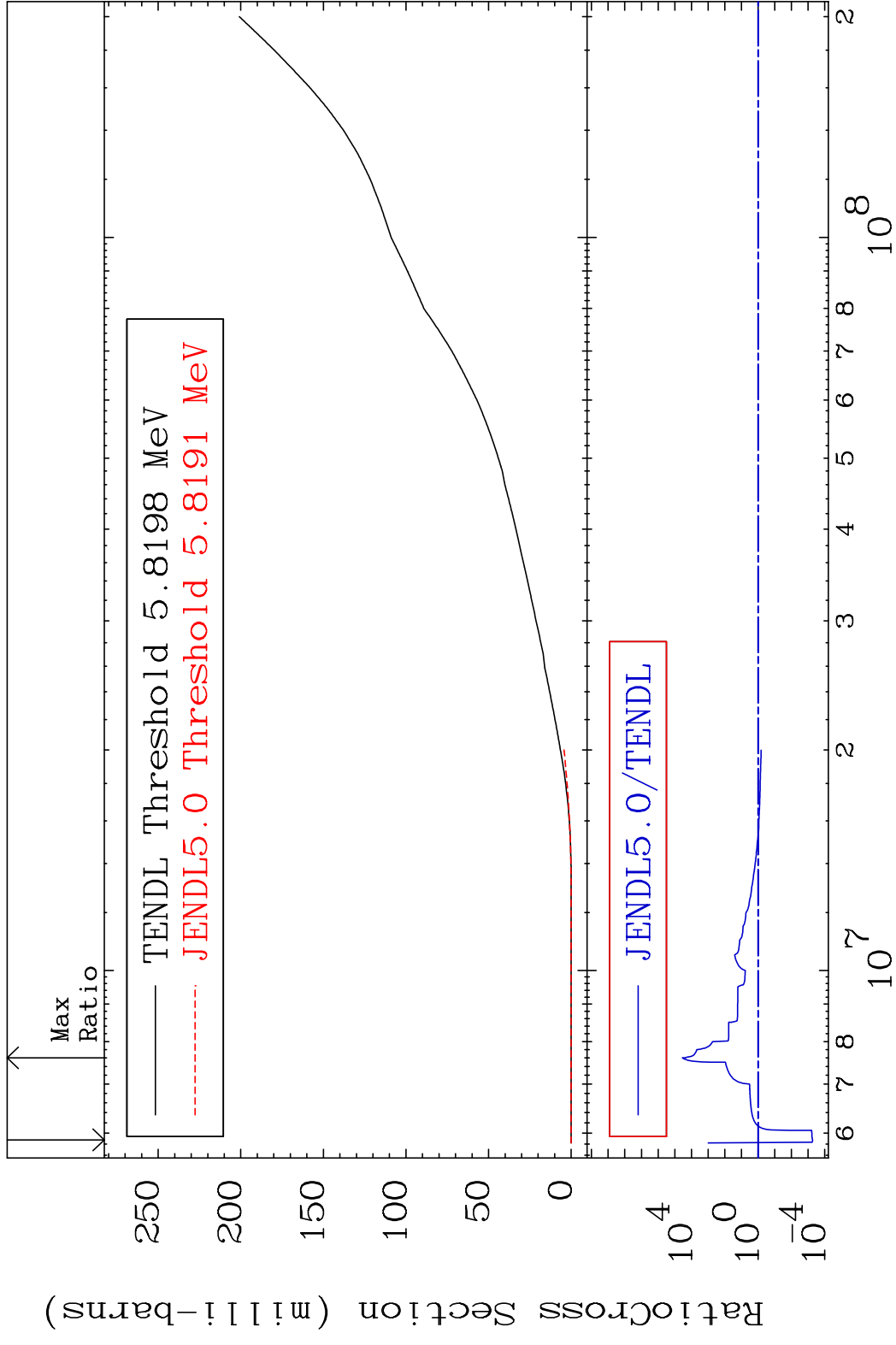
66-Dy-162

MAT 6643

Deuterium Production

66-Dy-162

Cross Section -99.95 To 9999. %

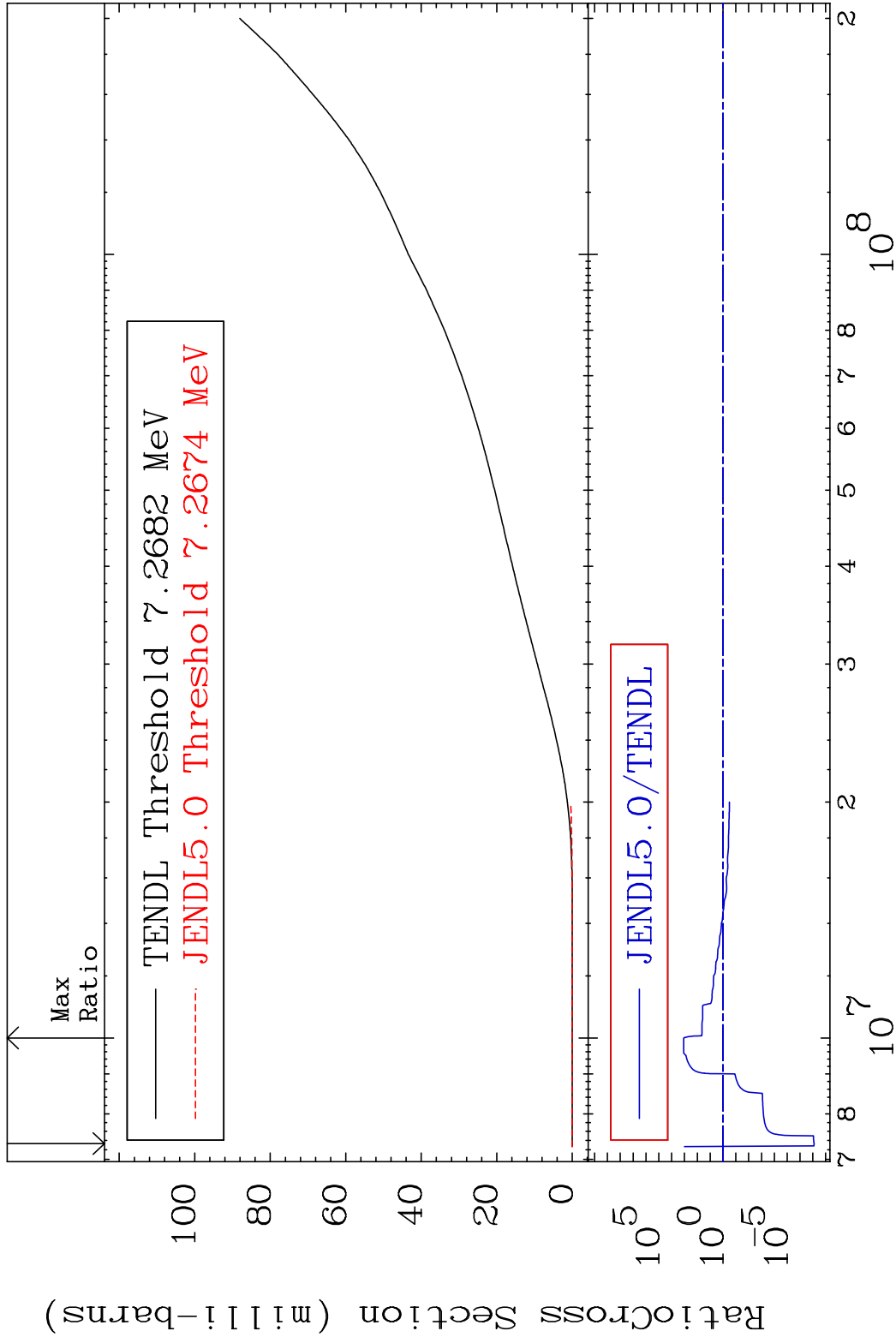


MAT 6643

Tritium Production

66-Dy-162

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

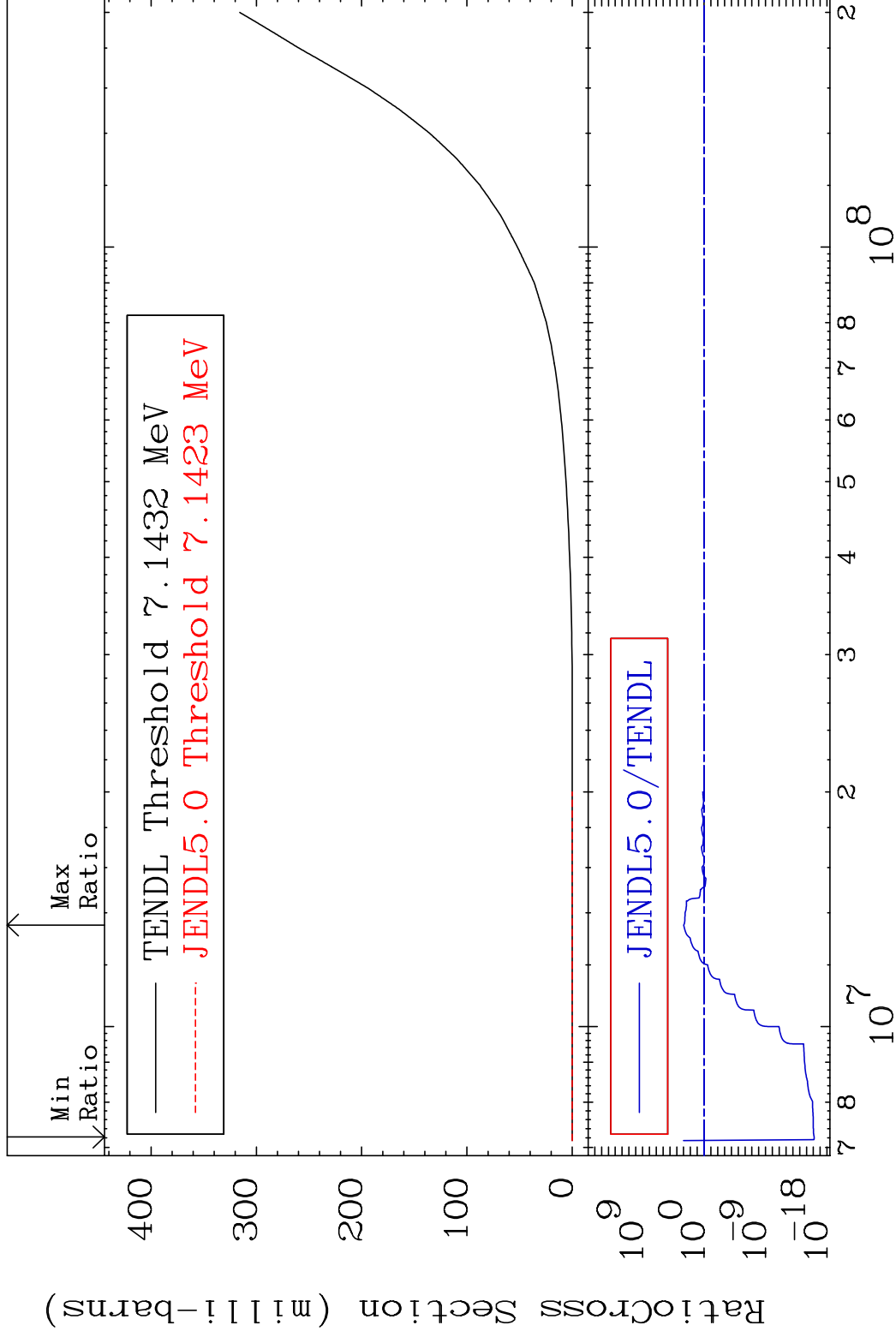
66-Dy-162

MAT 6643

He-3 Production

66-Dy-162

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

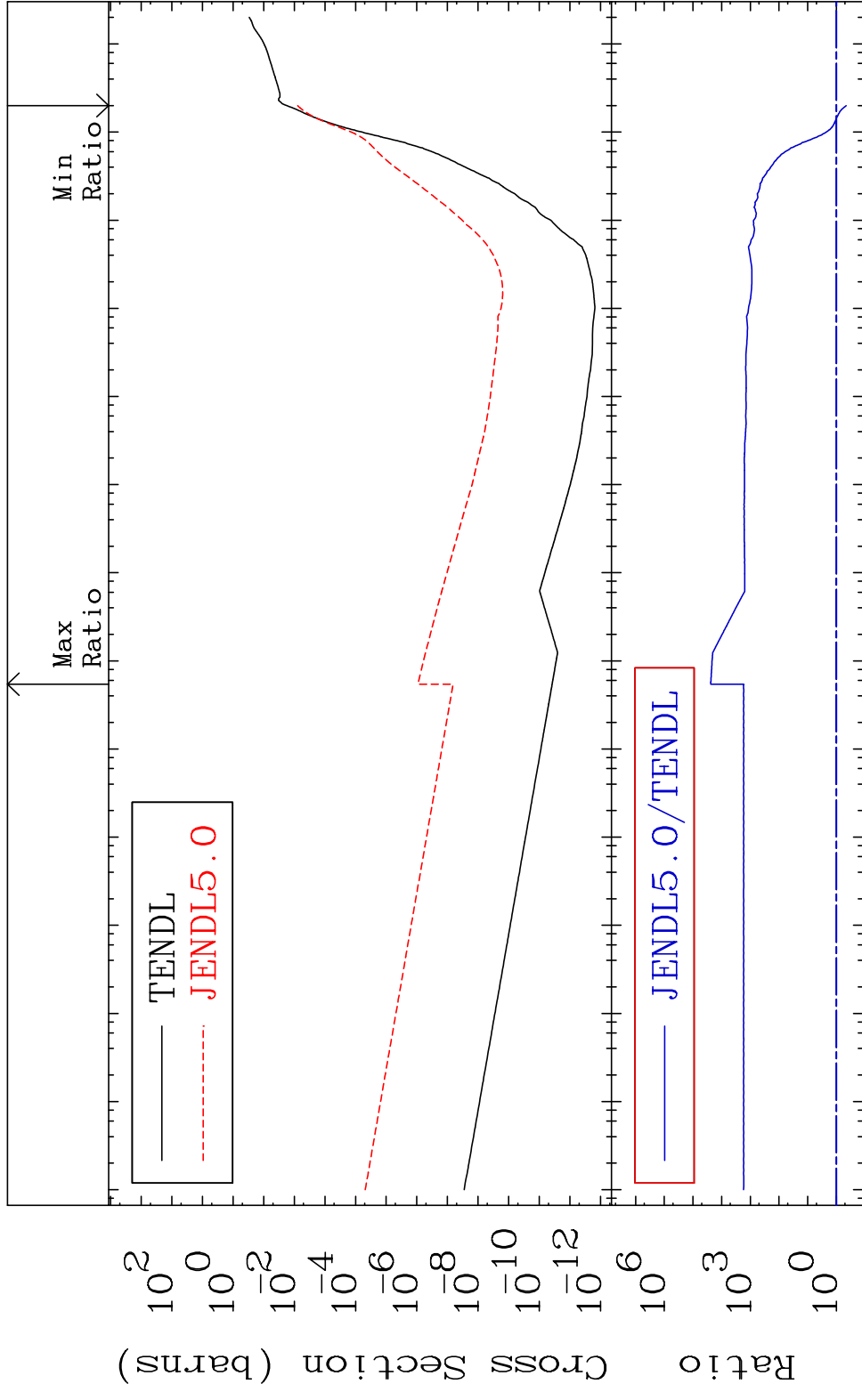
66-Dy-162

MAT 6643

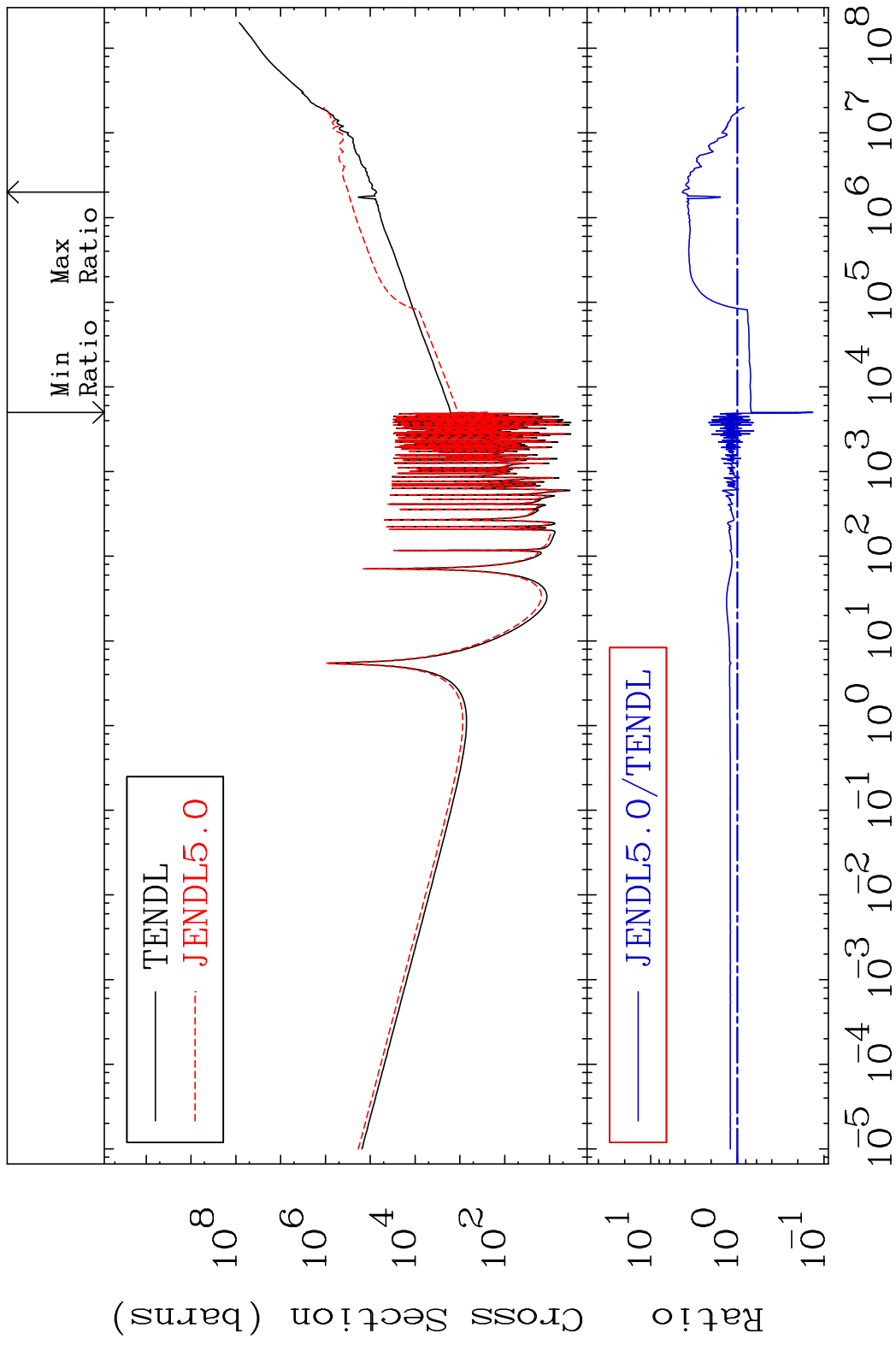
He-4 Production

66-Dy-162

Cross Section -54.89 To 9999. %

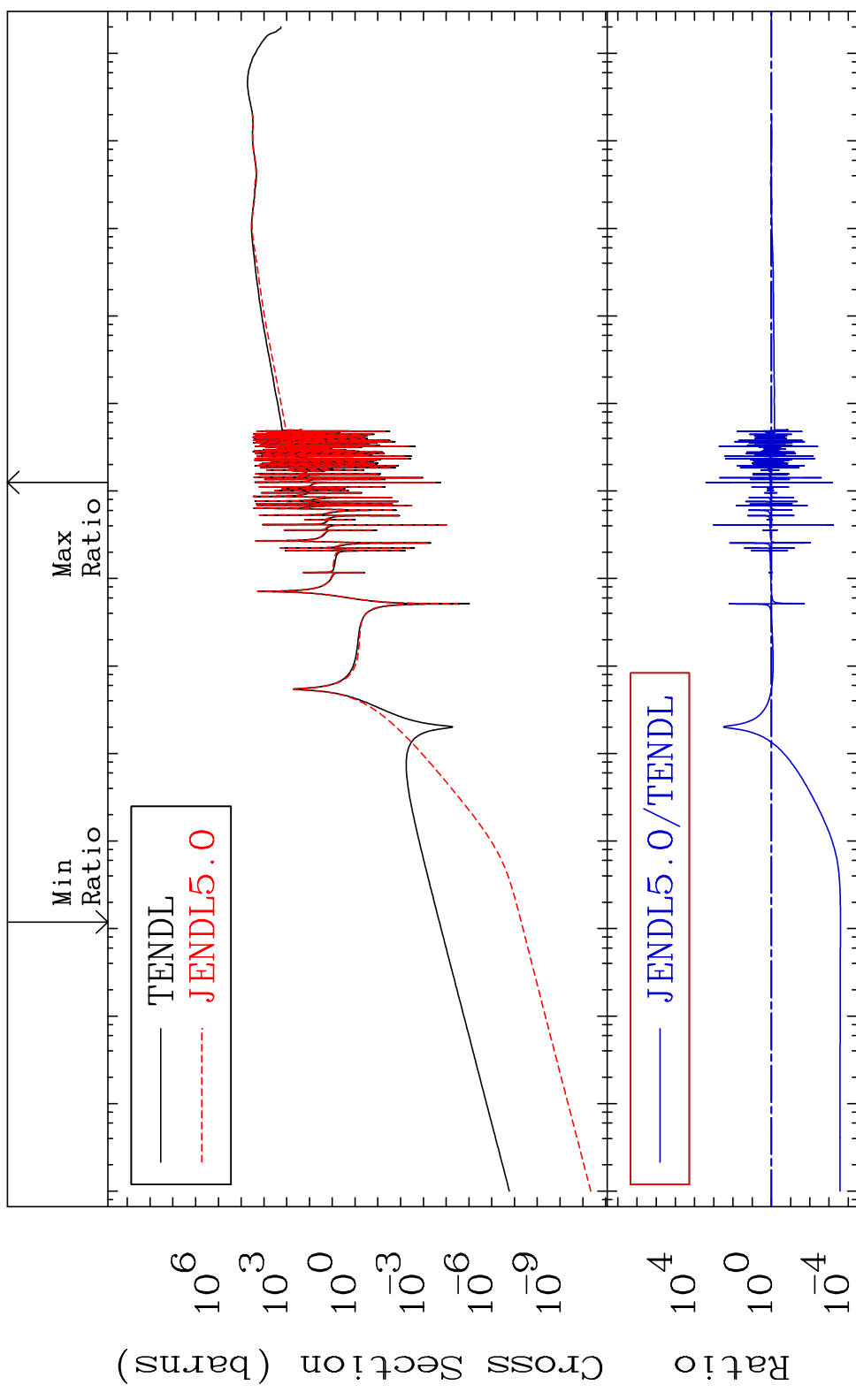


MAT 6643 Kerma total (eV-barns) 66-Dy-162
 Cross Section -86.47 To 331.0 %



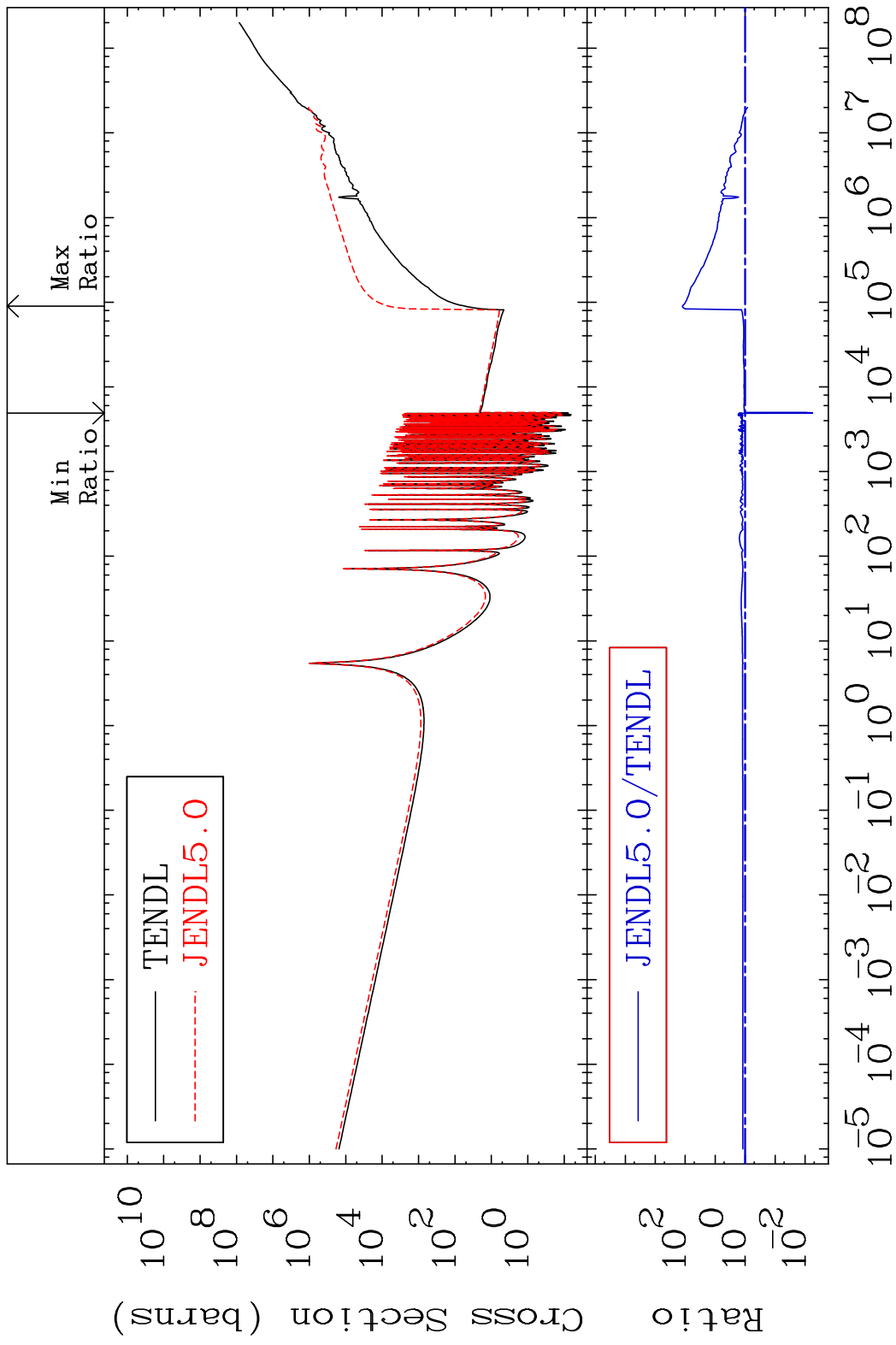
MAT 6643

Kerma elastic Cross Section -99.97 To 9999. %
66-Dy-162

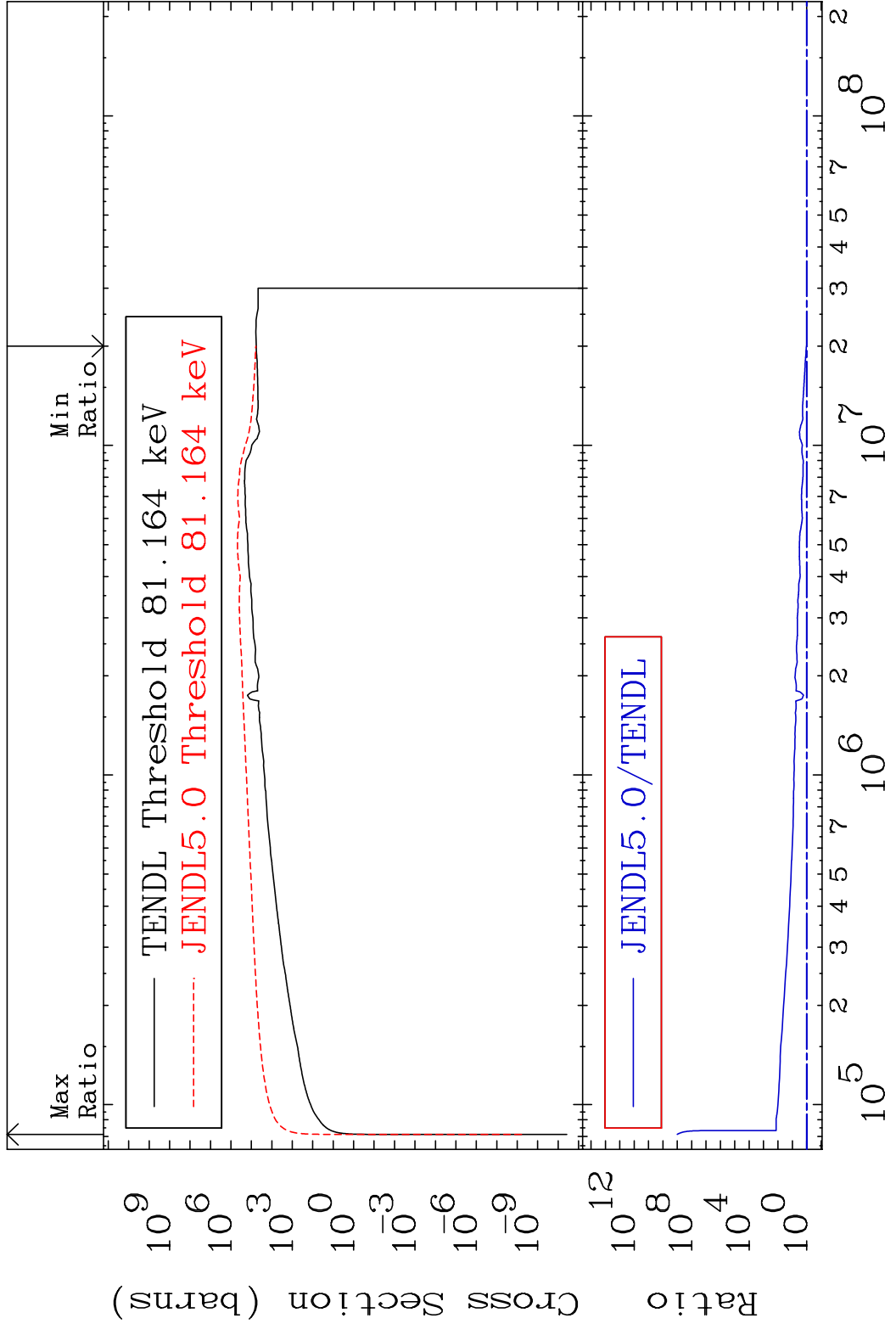


Incident Energy (eV) 66-Dy-162

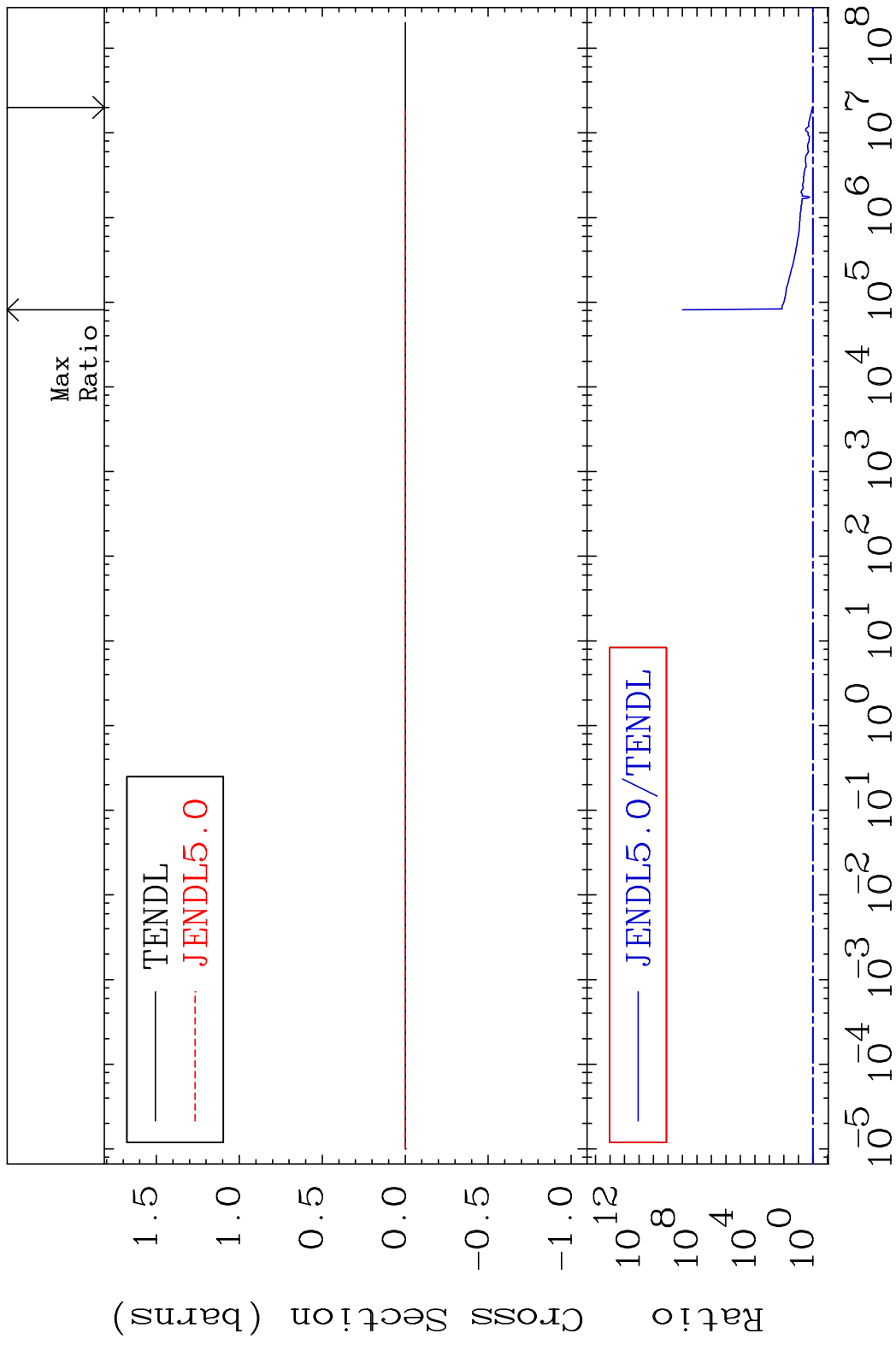
MAT 6643 Kerma non-elastic (all but mt2) 66-Dy-162
 Cross Section -99.44 To 9999. %



MAT 6643 Kerma inelastic (mt51-91) 66-Dy-162
 Cross Section 4.730 To 9999. %

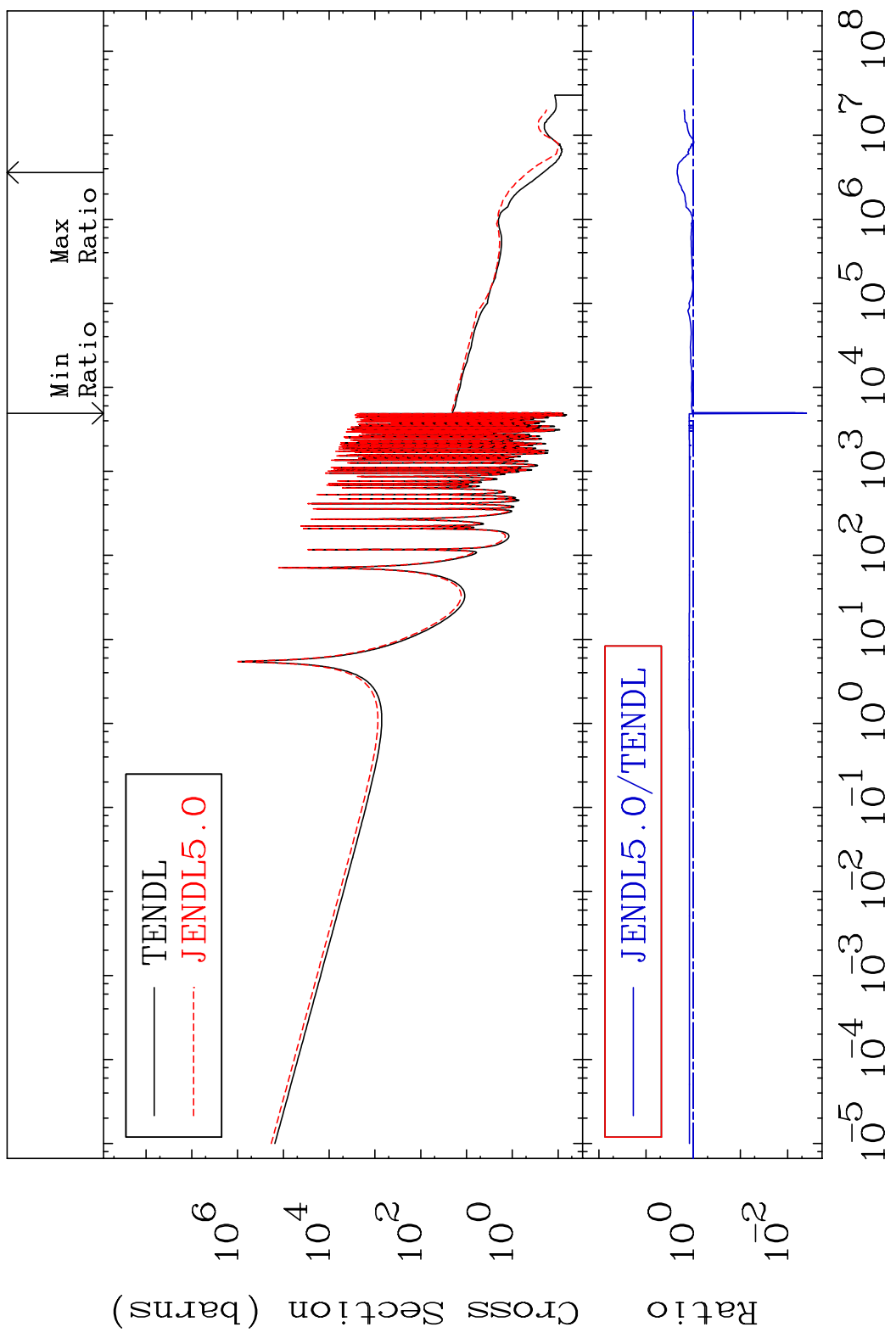


MAT 6643 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-162
 Cross Section 4.730 To 9999. %



MAT 6643

Kerma capture (mt102) 66-Dy-162
Cross Section -99.60 To 119.2 %



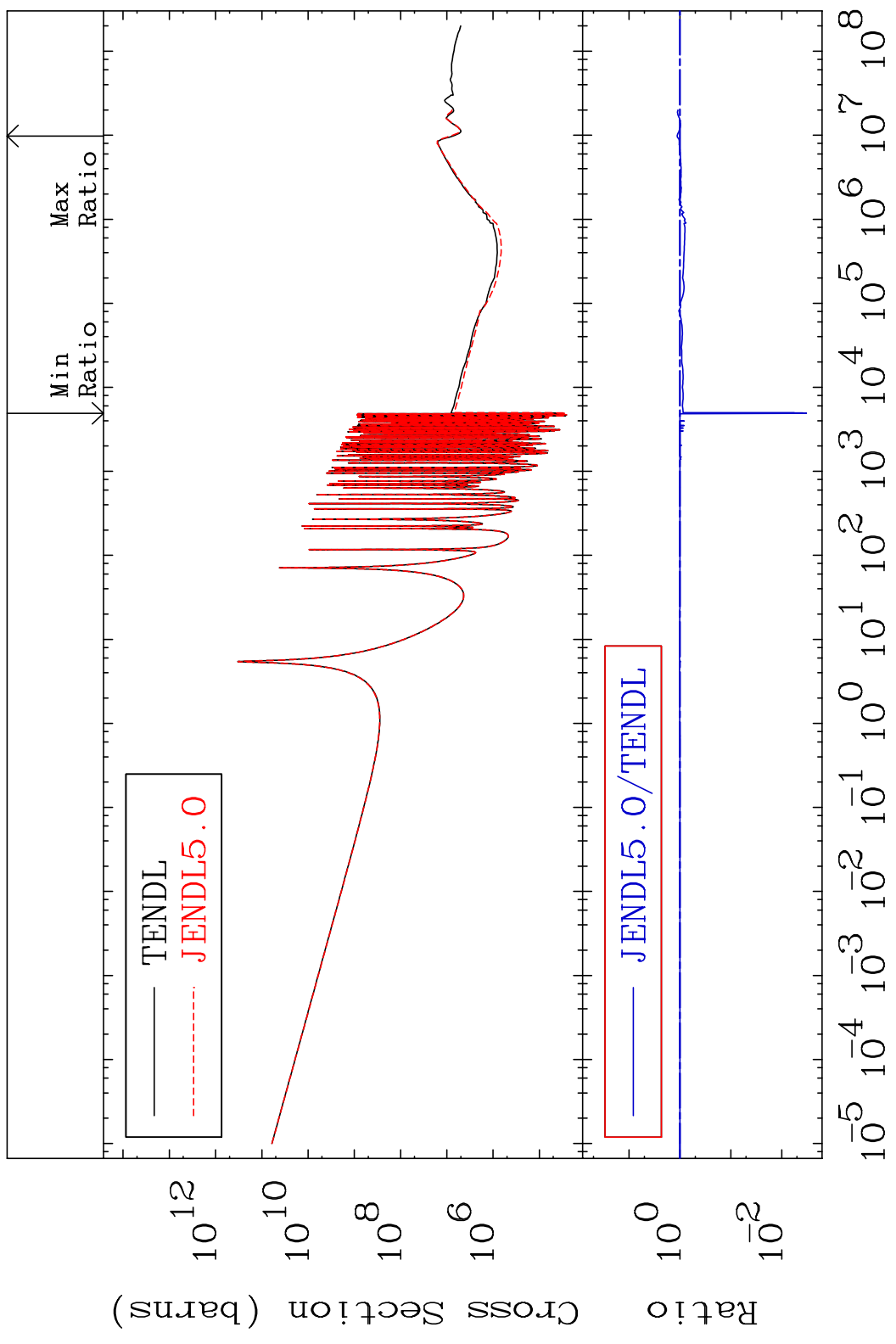
57

Incident Energy (eV)

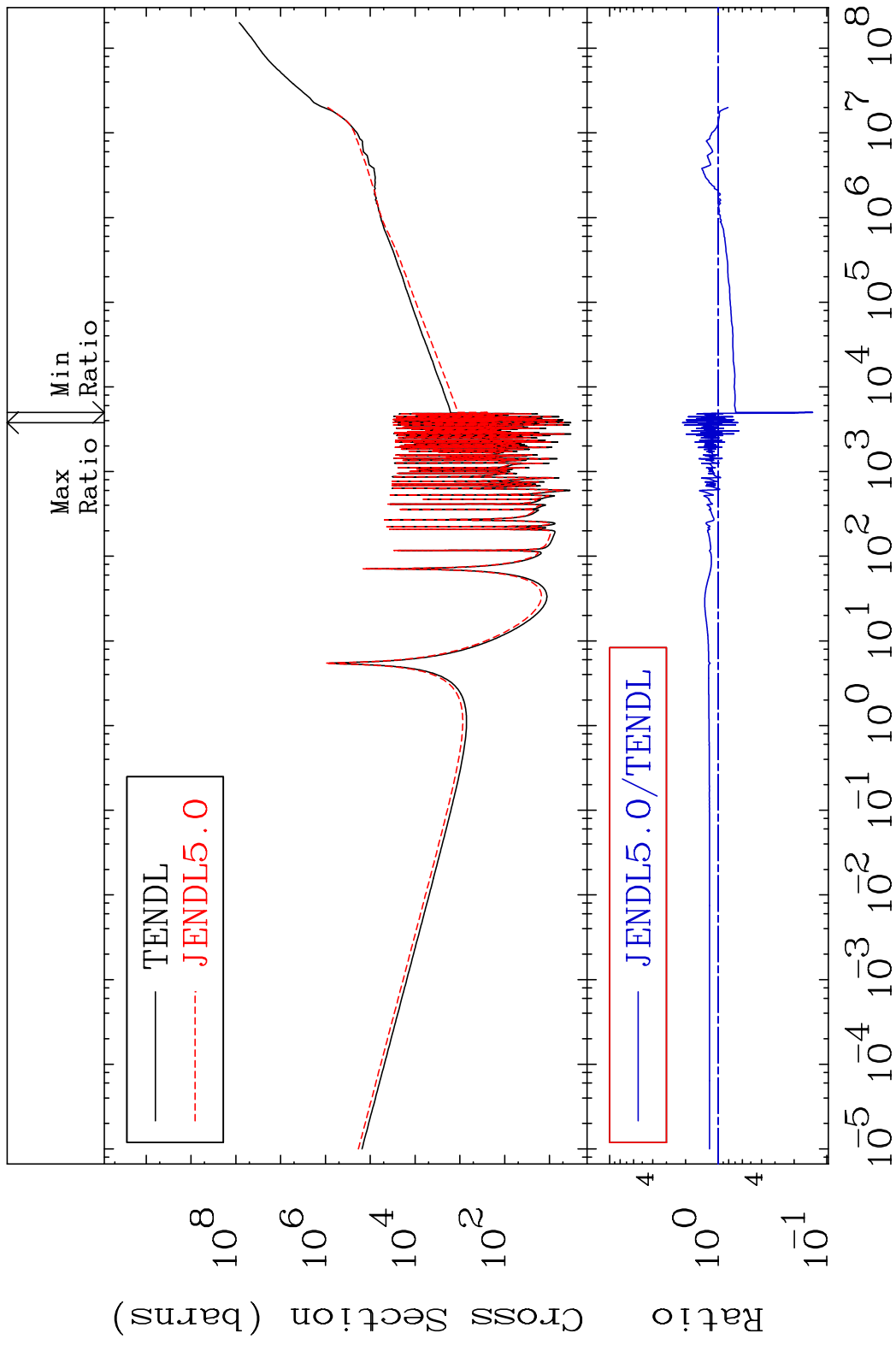
66-Dy-162

MAT 6643

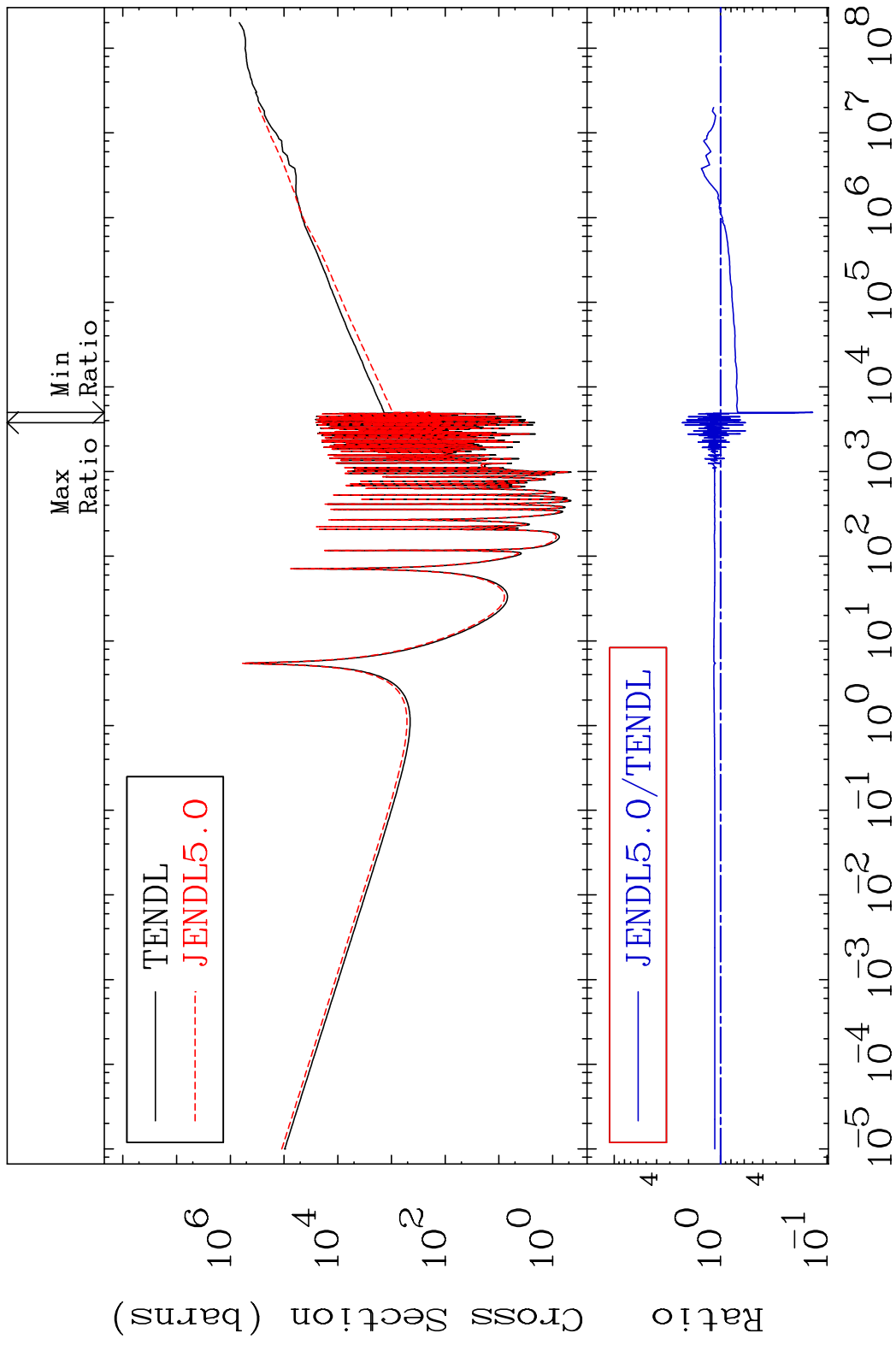
Total photon (eV-barns) 66-Dy-162
Cross Section -99.67 To 13.04 %



MAT 6643 Total kinematic kerma (high limit) 66-Dy-162
 Cross Section -86.47 To 113.8 %

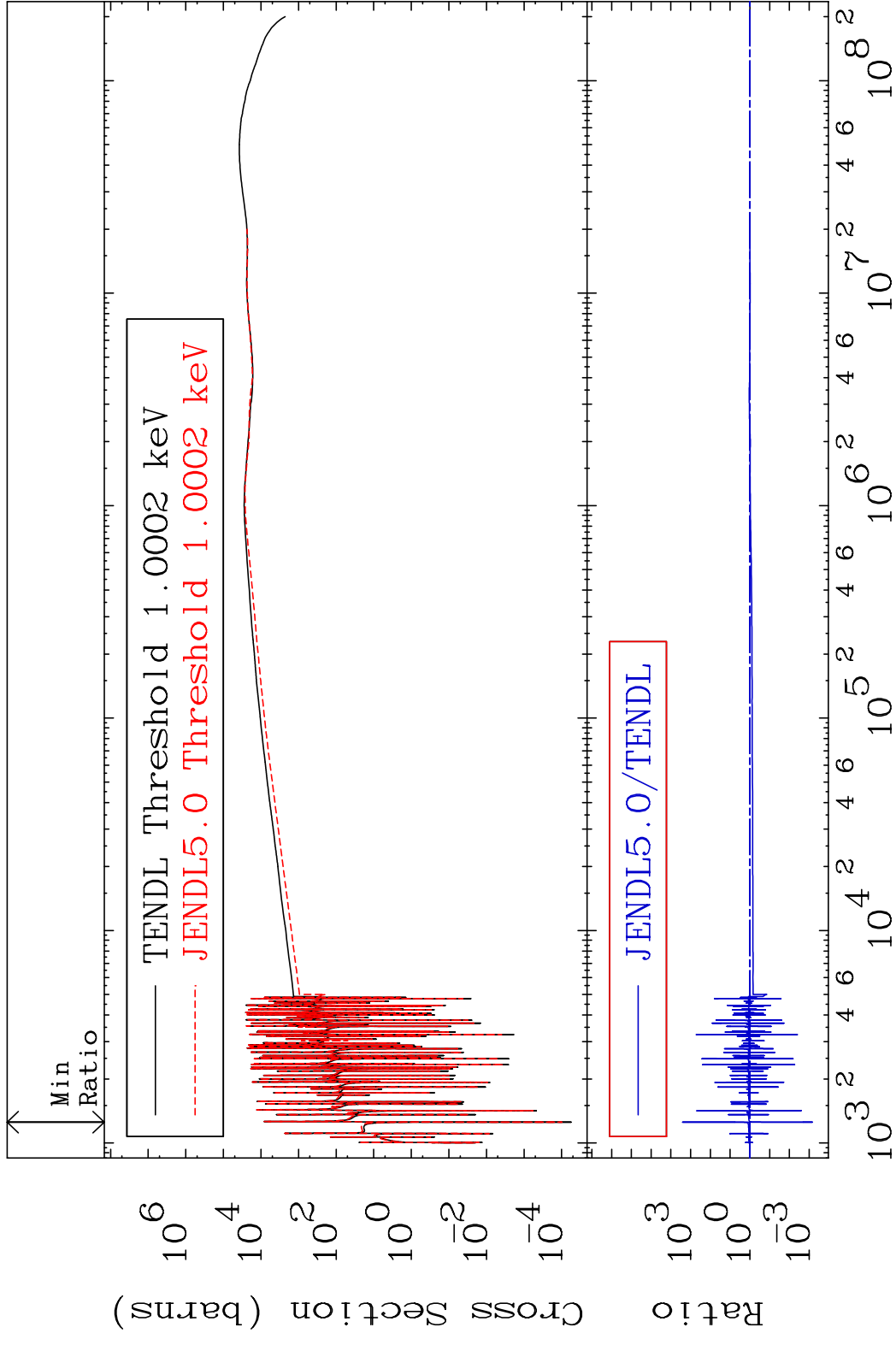


MAT 6643 Dpa total (eV-barns) 66-Dy-162
 Cross Section -86.35 To 128.8 %



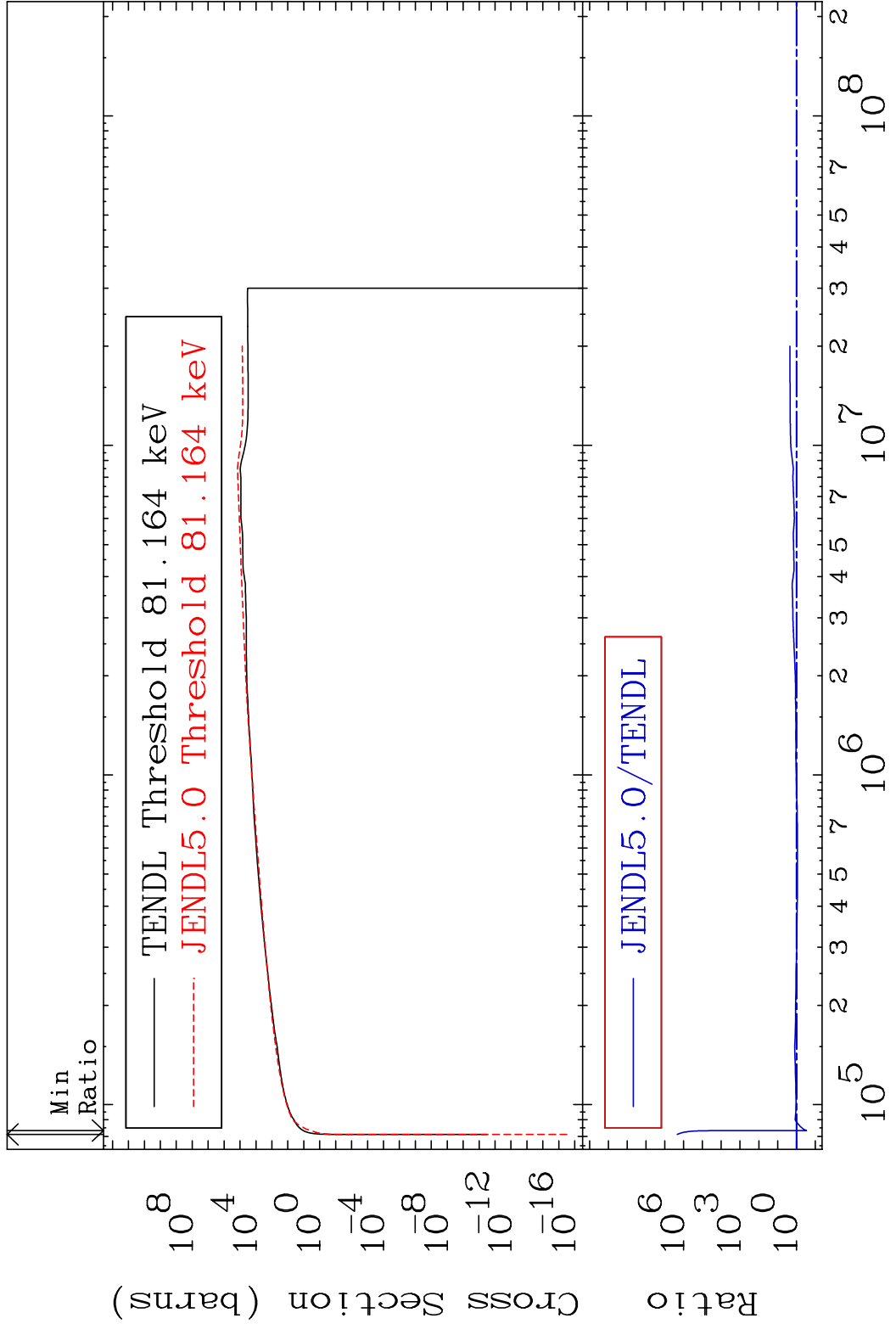
60 Incident Energy (eV) 66-Dy-162

MAT 6643 Dpa elastic (mt2) 66-Dy-162
 Cross Section -99.93 To 9999. %



61 Incident Energy (eV) 66-Dy-162

MAT 6643 Dpa inelastic (mt51-91) 66-Dy-162
 Cross Section -70.60 To 9999. %



MAT 6643 Dpa disappearance (mt102 -120) 66-Dy-162
 Cross Section -99.61 To 2983. %

