

Program Complot
(Version 2021-1)

by

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U.S.A.

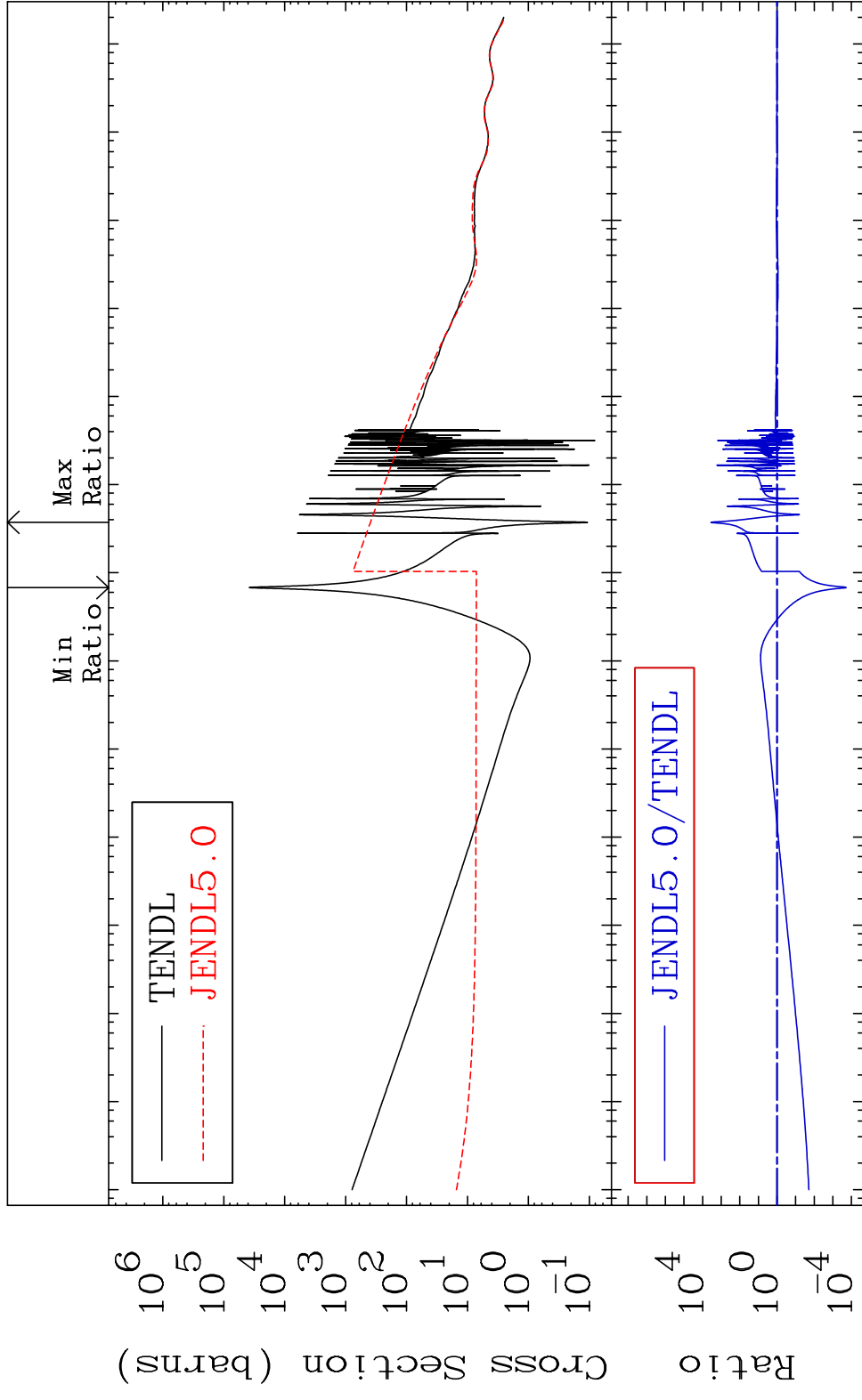
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6655

Total Cross Section
66-Dy-166
-99.98 To 9999. %



1

Incident Energy (eV)

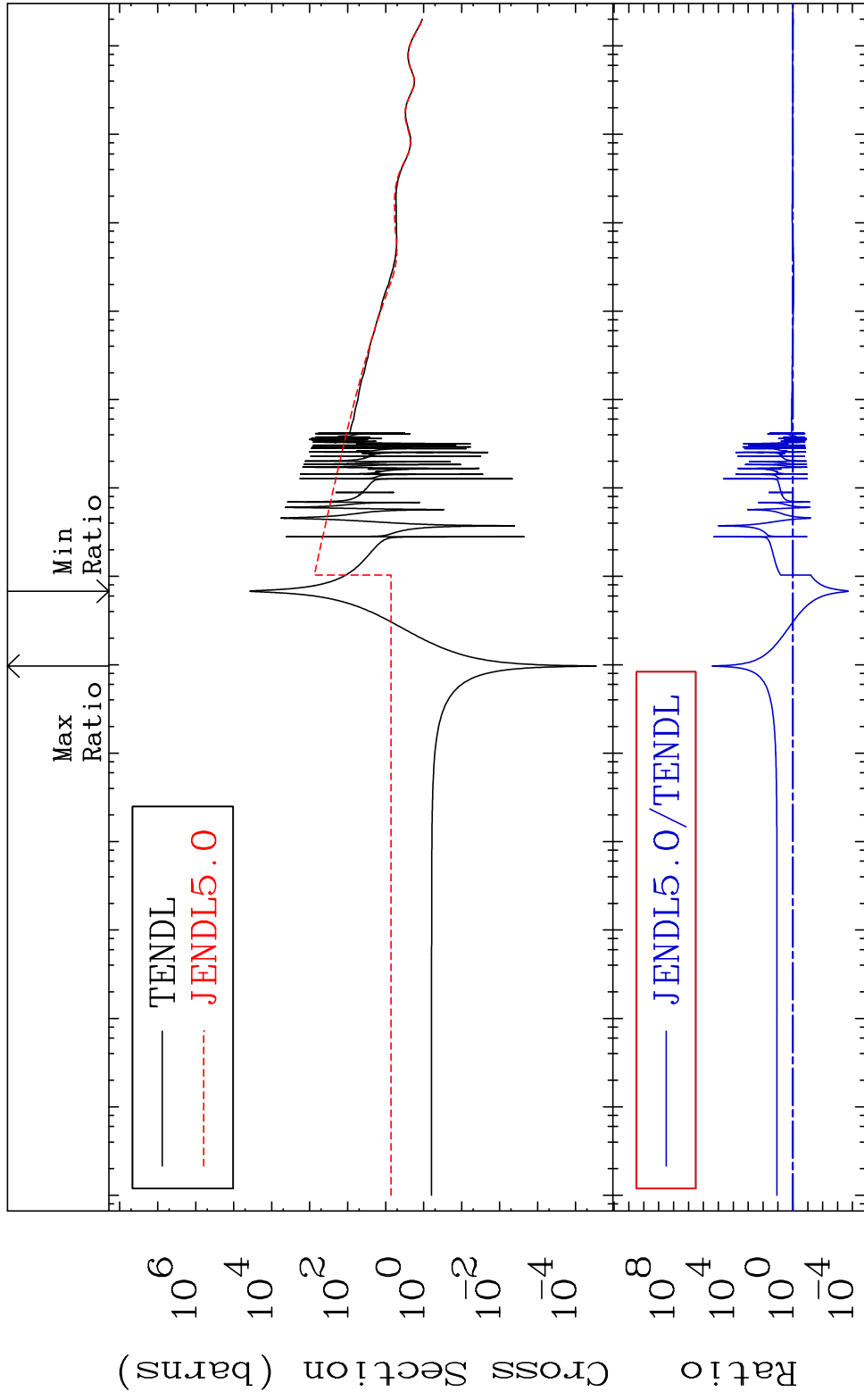
66-Dy-166

MAT 6655

Elastic

66-Dy-166

Cross Section -99.98 To 9999. %



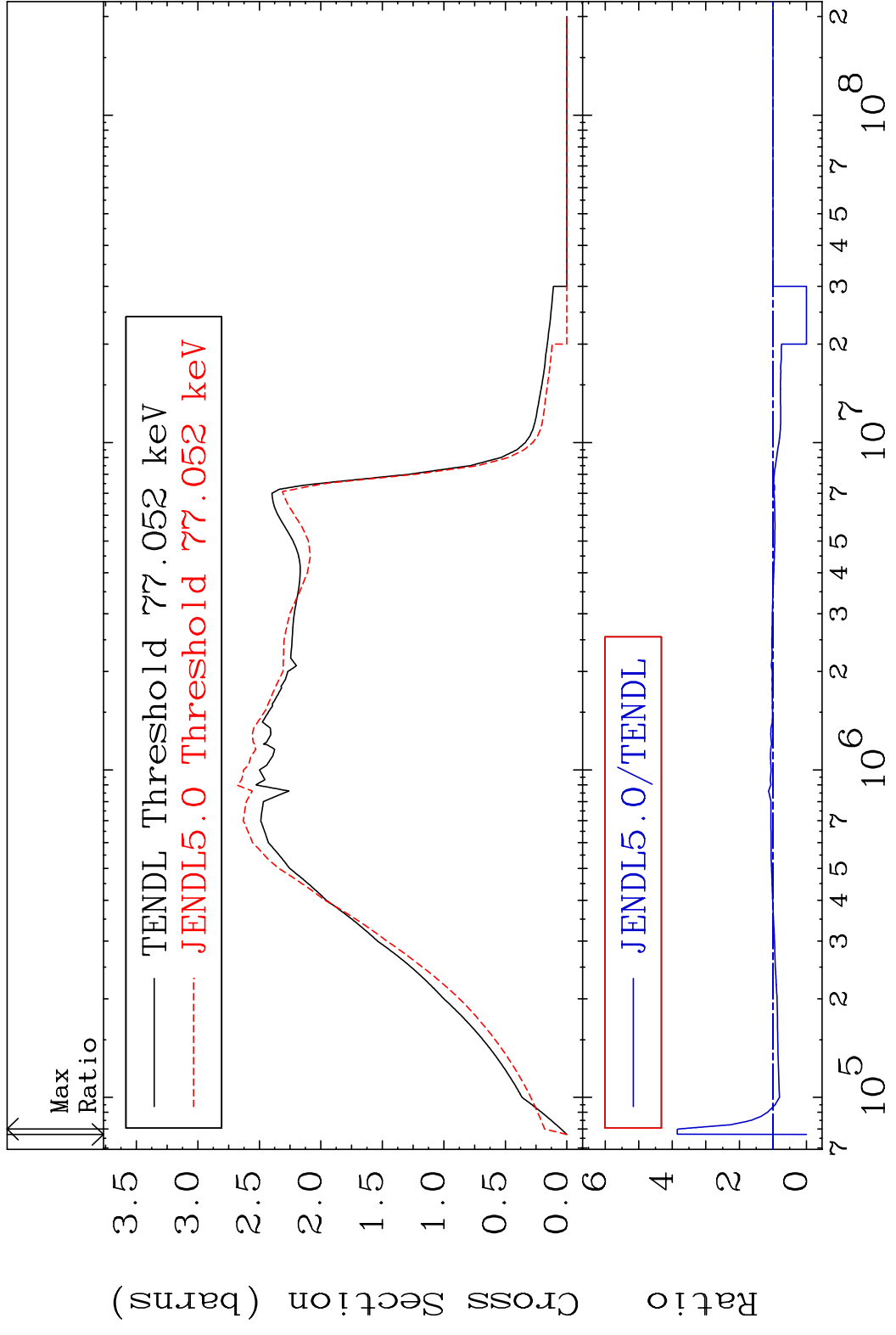
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

66-Dy-166

MAT 6655 Inelastic 66-Dy-166
 Cross Section -100.0 To 285.5 %



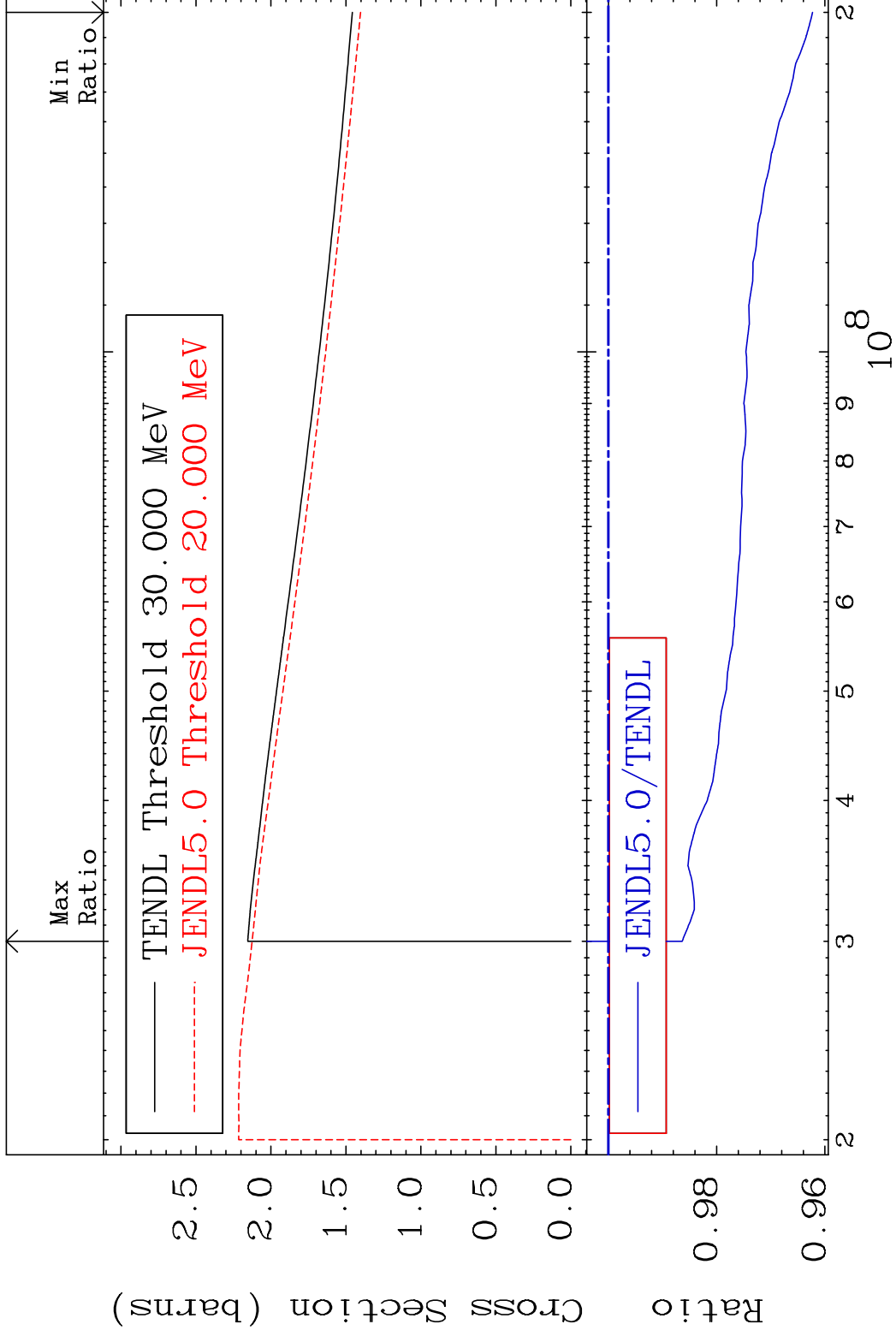
3 Incident Energy (eV) 66-Dy-166

MAT 6655

(n, remainder)

66-Dy-166

Cross Section -3.769 To -1.363%

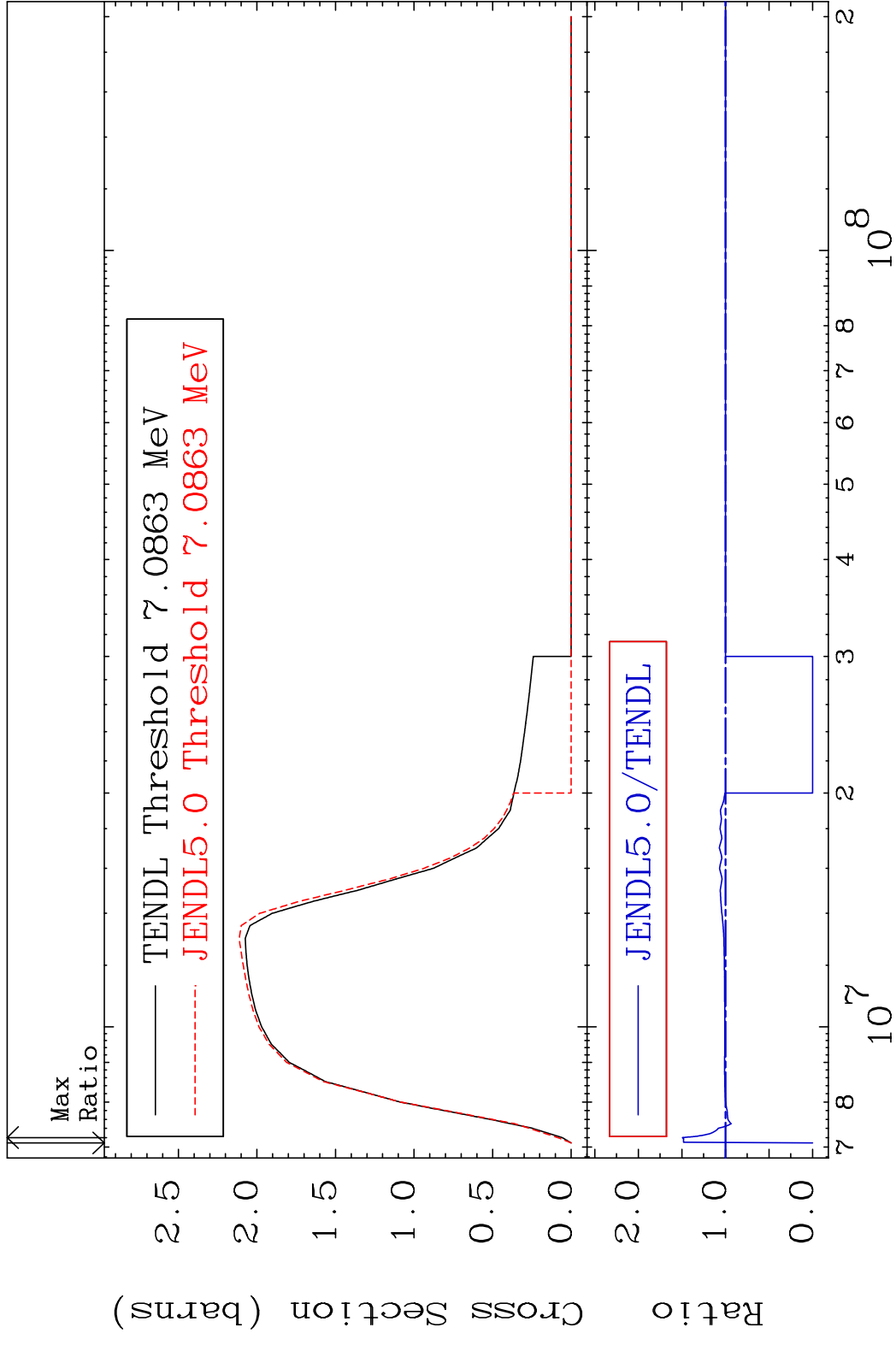


4

Incident Energy (eV)

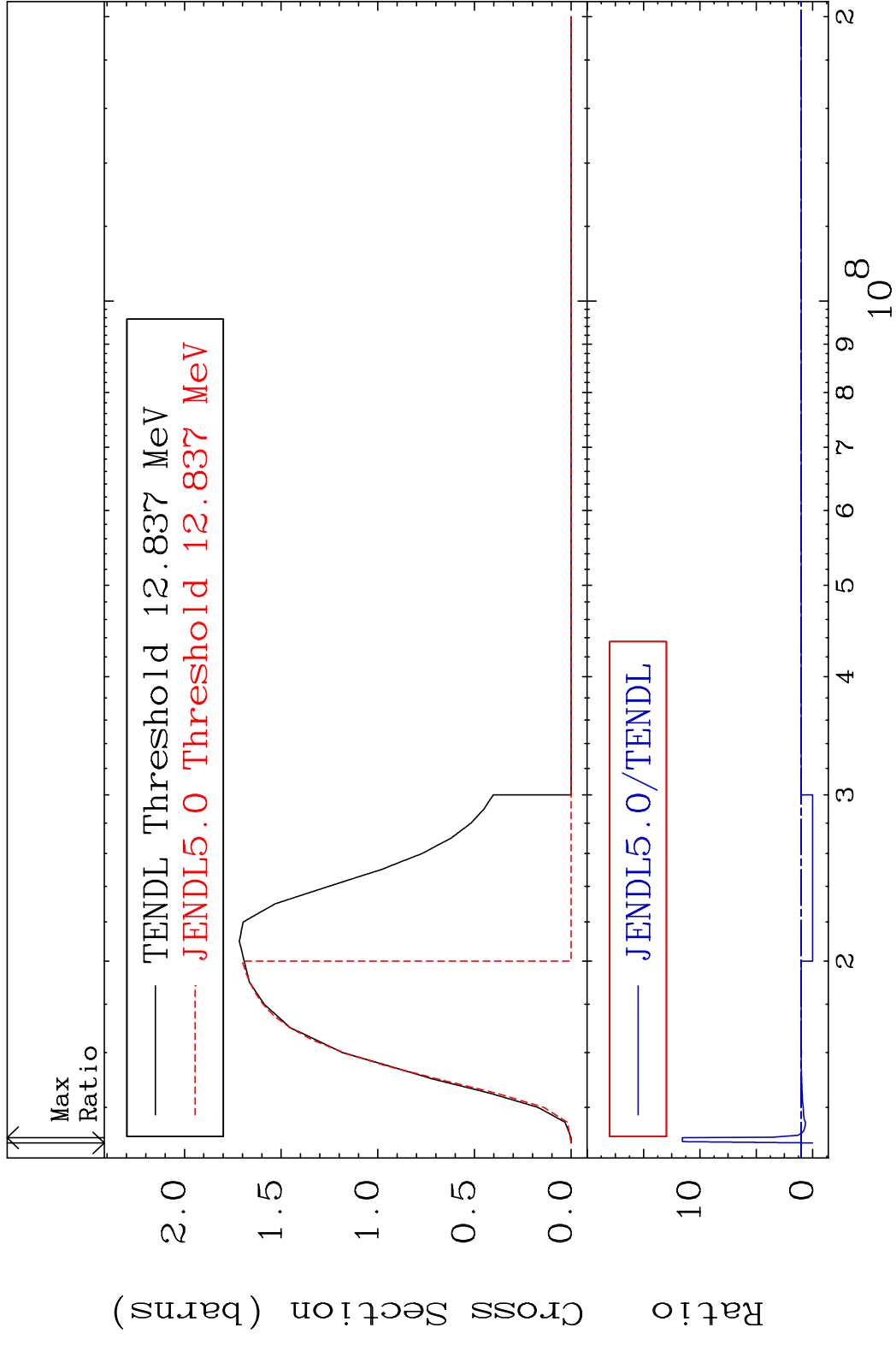
66-Dy-166

MAT 6655 (n,2n) 66-Dy-166
 Cross Section -100.0 To 49.49 %

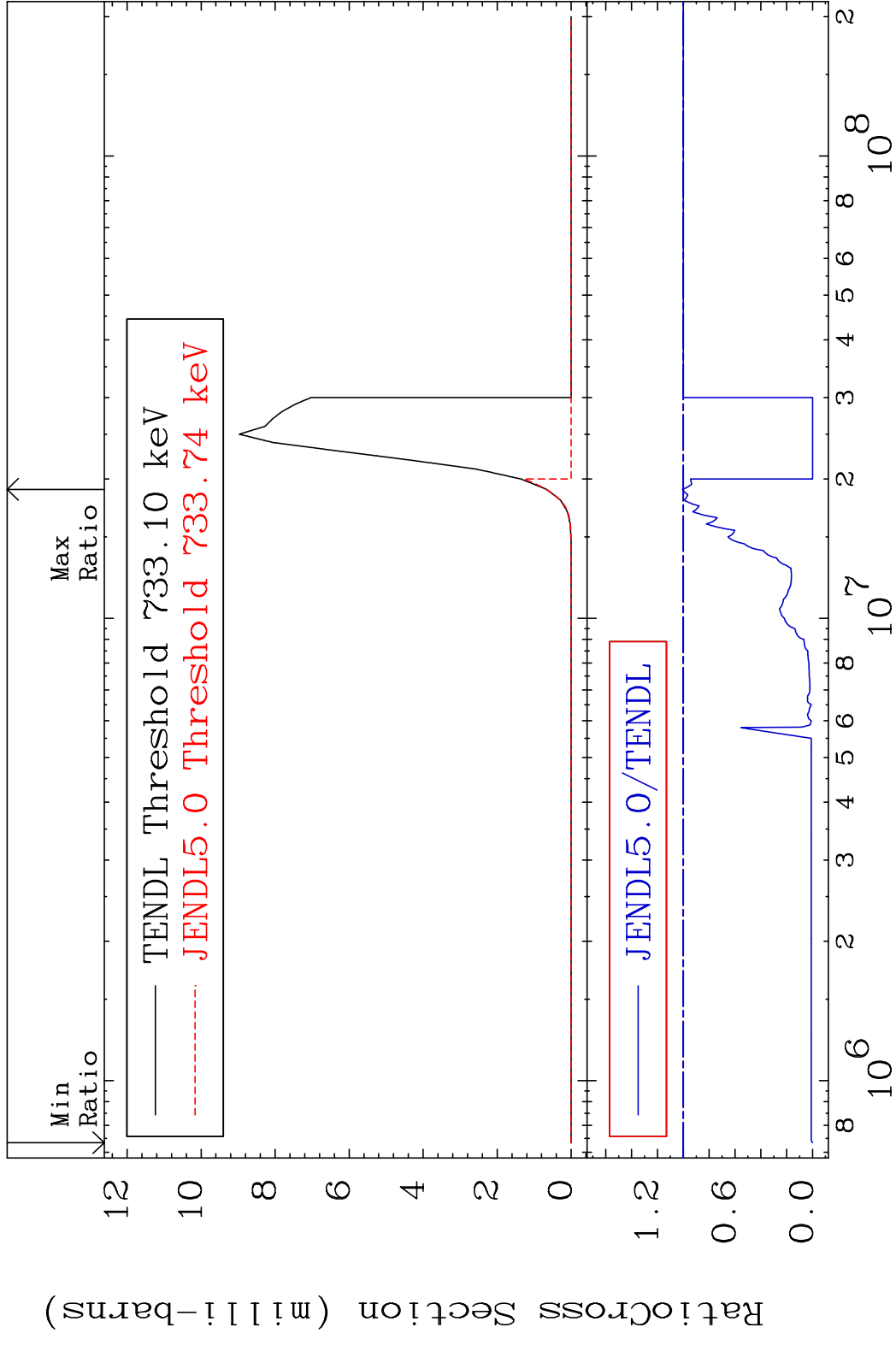


5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

MAT 6655 (n,3n) 66-Dy-166
 Cross Section -100.0 To 1056. %

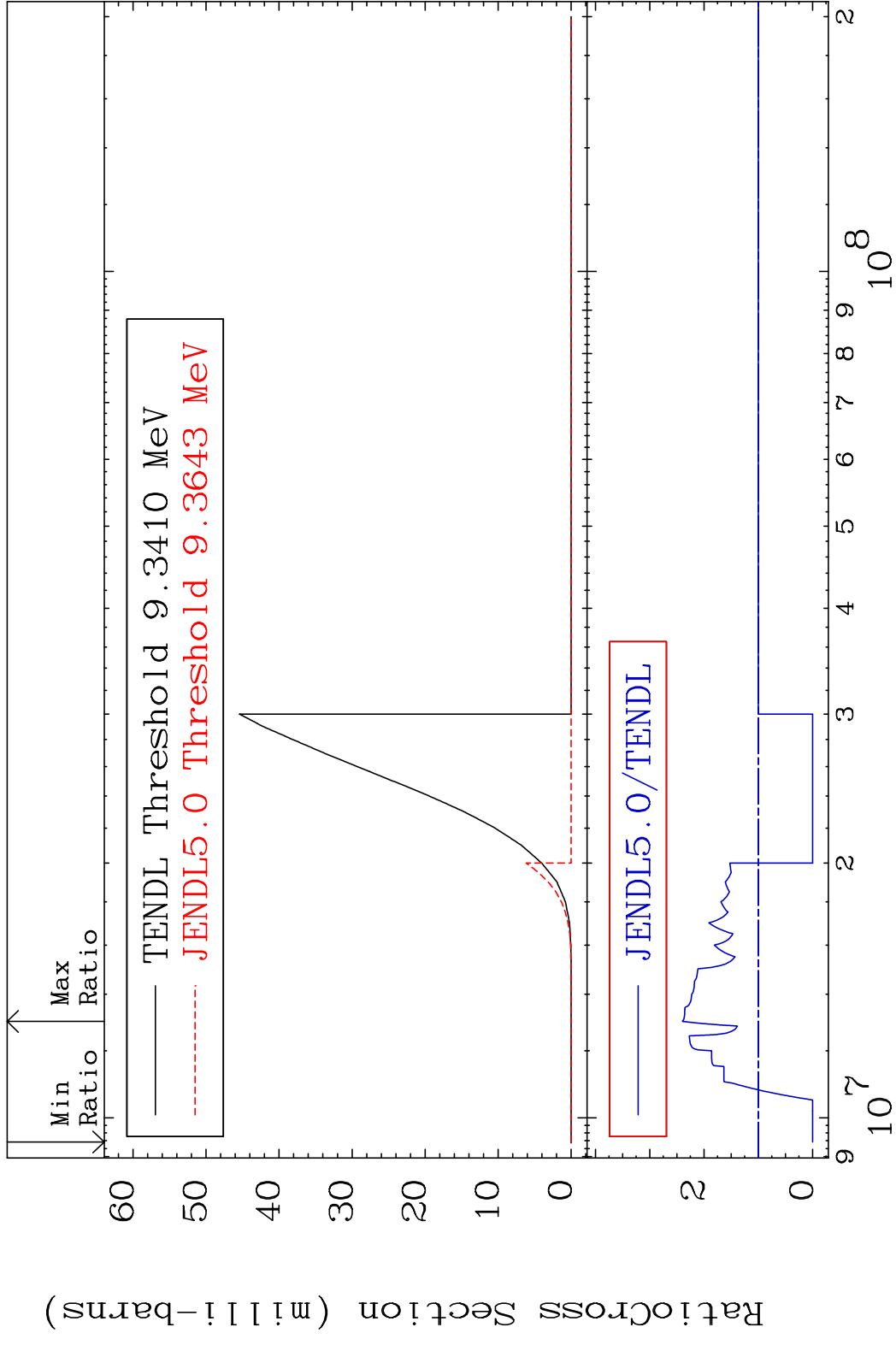


MAT 6655 (n, n') α 66-Dy-166
 Cross Section -100.0 To 0.728 %



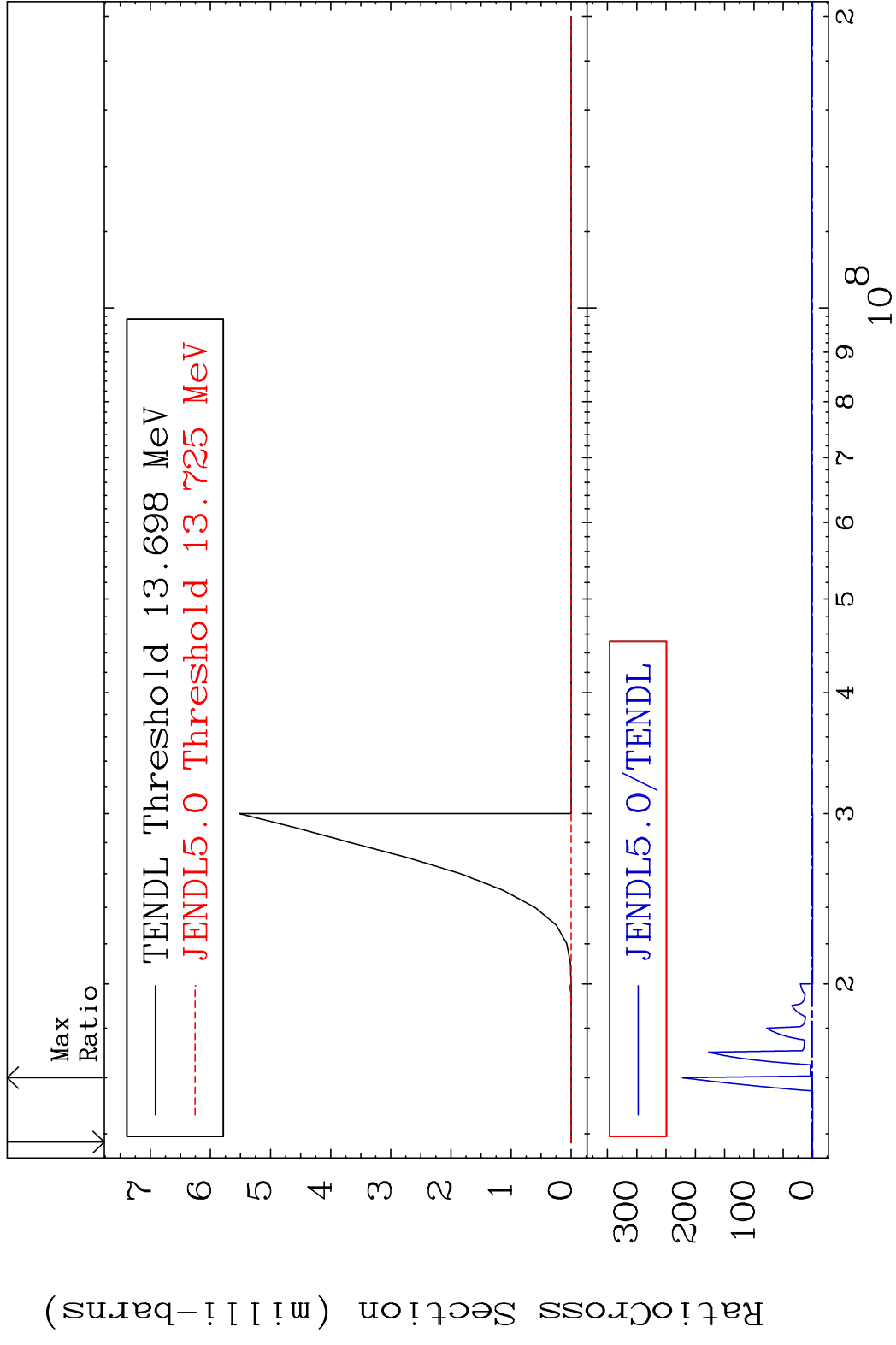
7 Incident Energy (eV) 66-Dy-166

MAT 6655 (n, n') p 66-Dy-166
 Cross Section -100.0 To 139.9 %

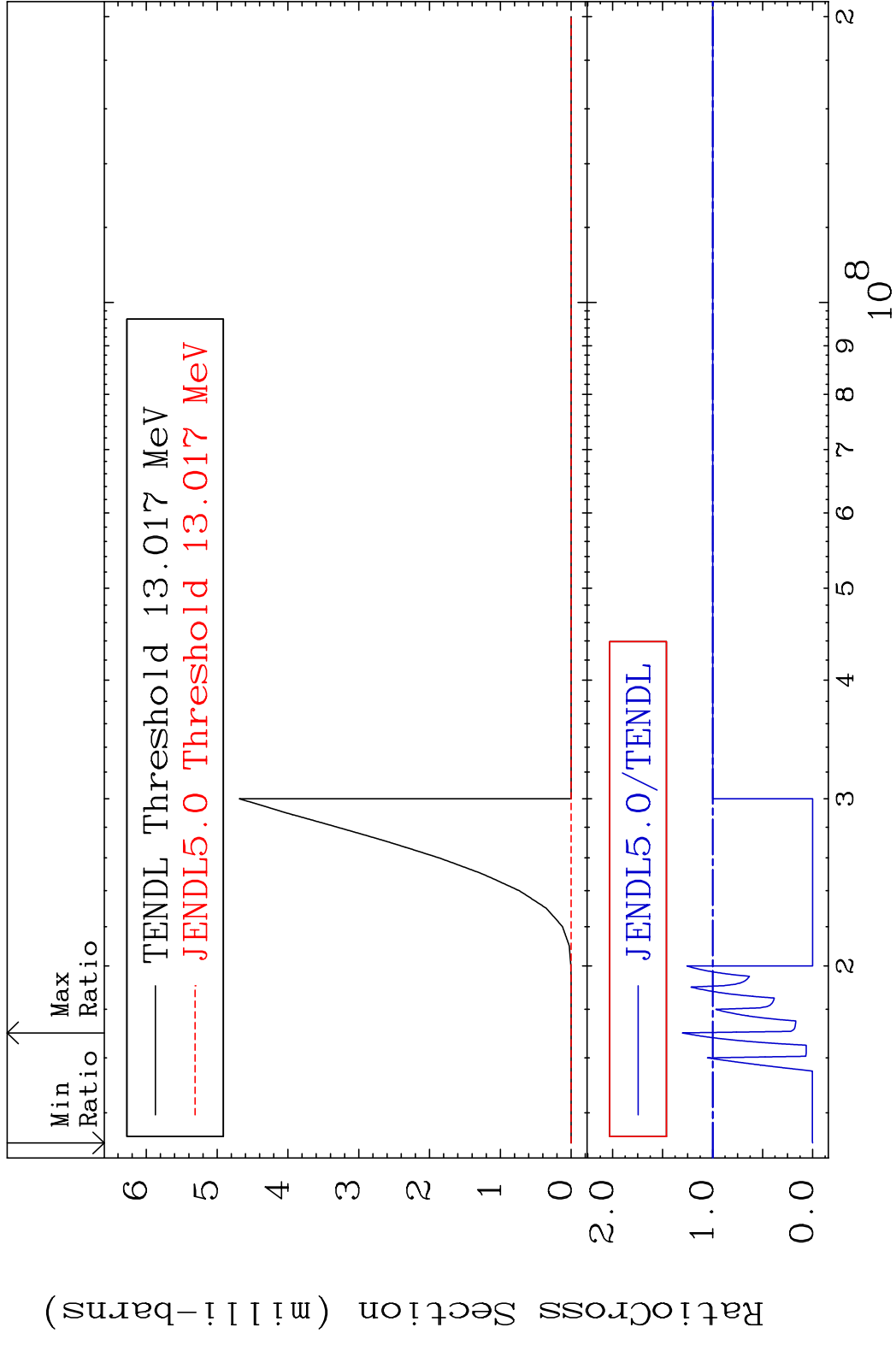


8 9 10⁷ 2 10⁸ 66-Dy-166

MAT 6655 (n, n') d 66-Dy-166
 Cross Section -100.0 To 9999. %

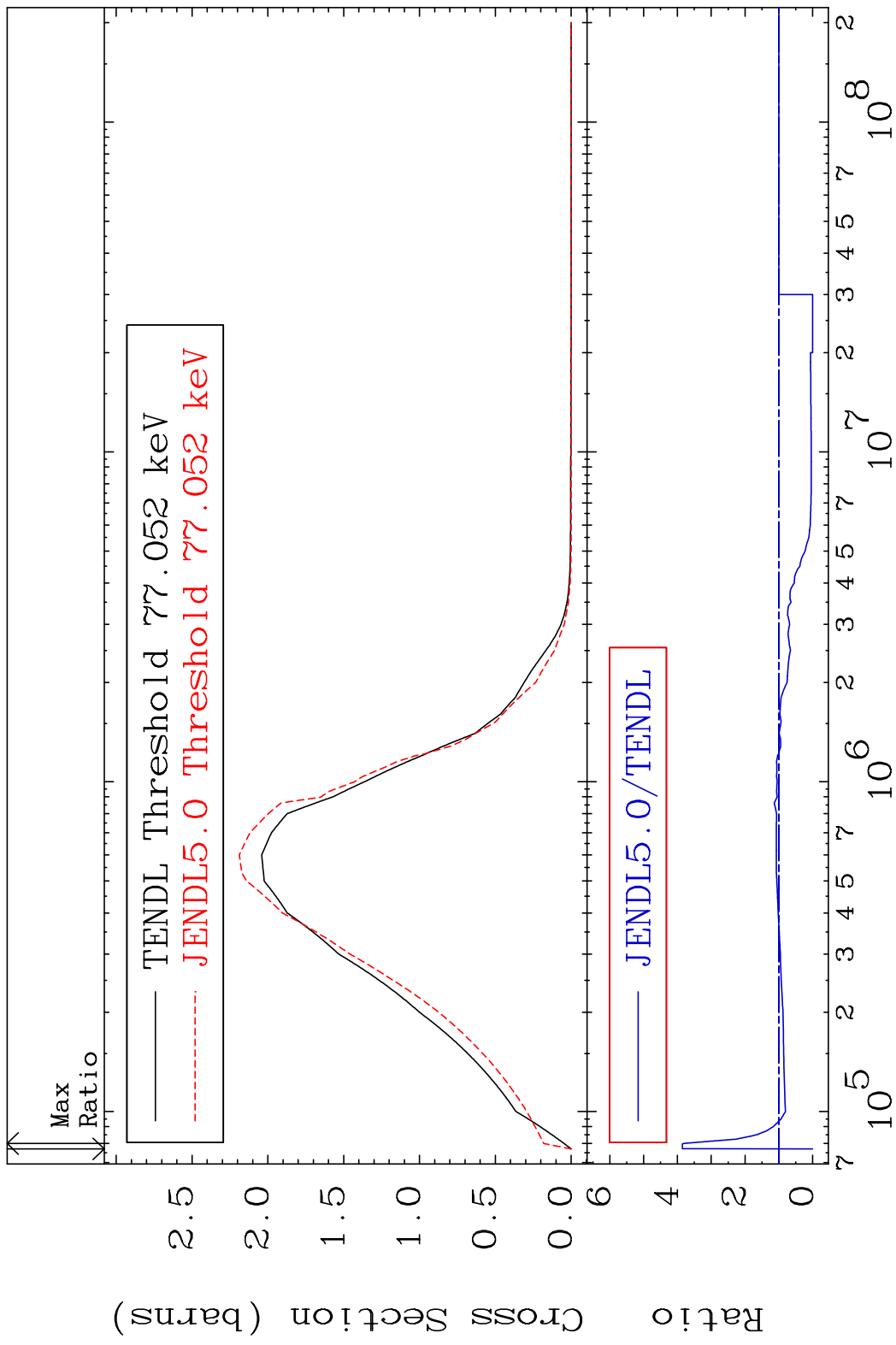


MAT 6655 (n, n') t 66-Dy-166
 Cross Section -100.0 To 30.28 %

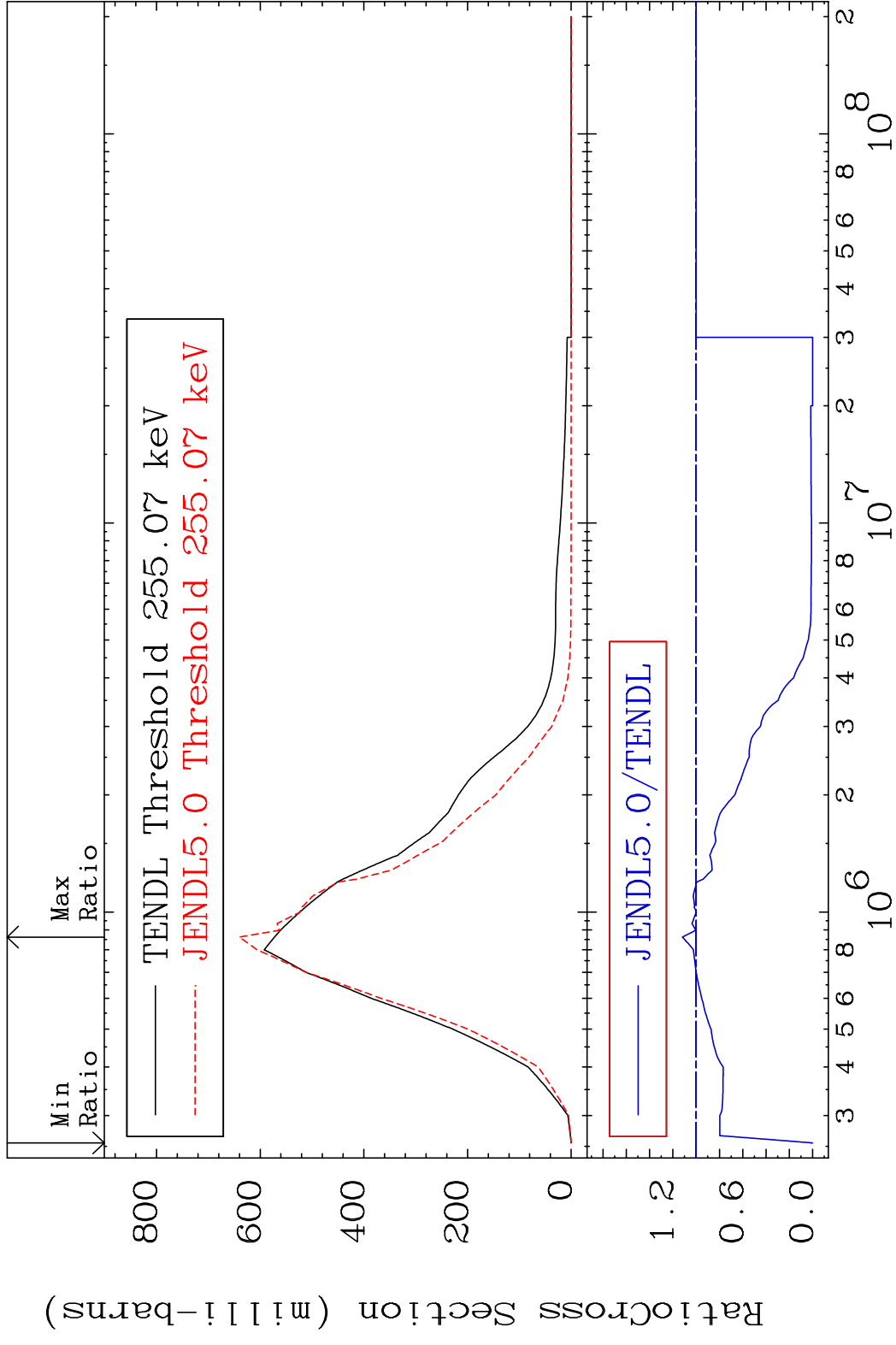


10 Incident Energy (eV) 66-Dy-166

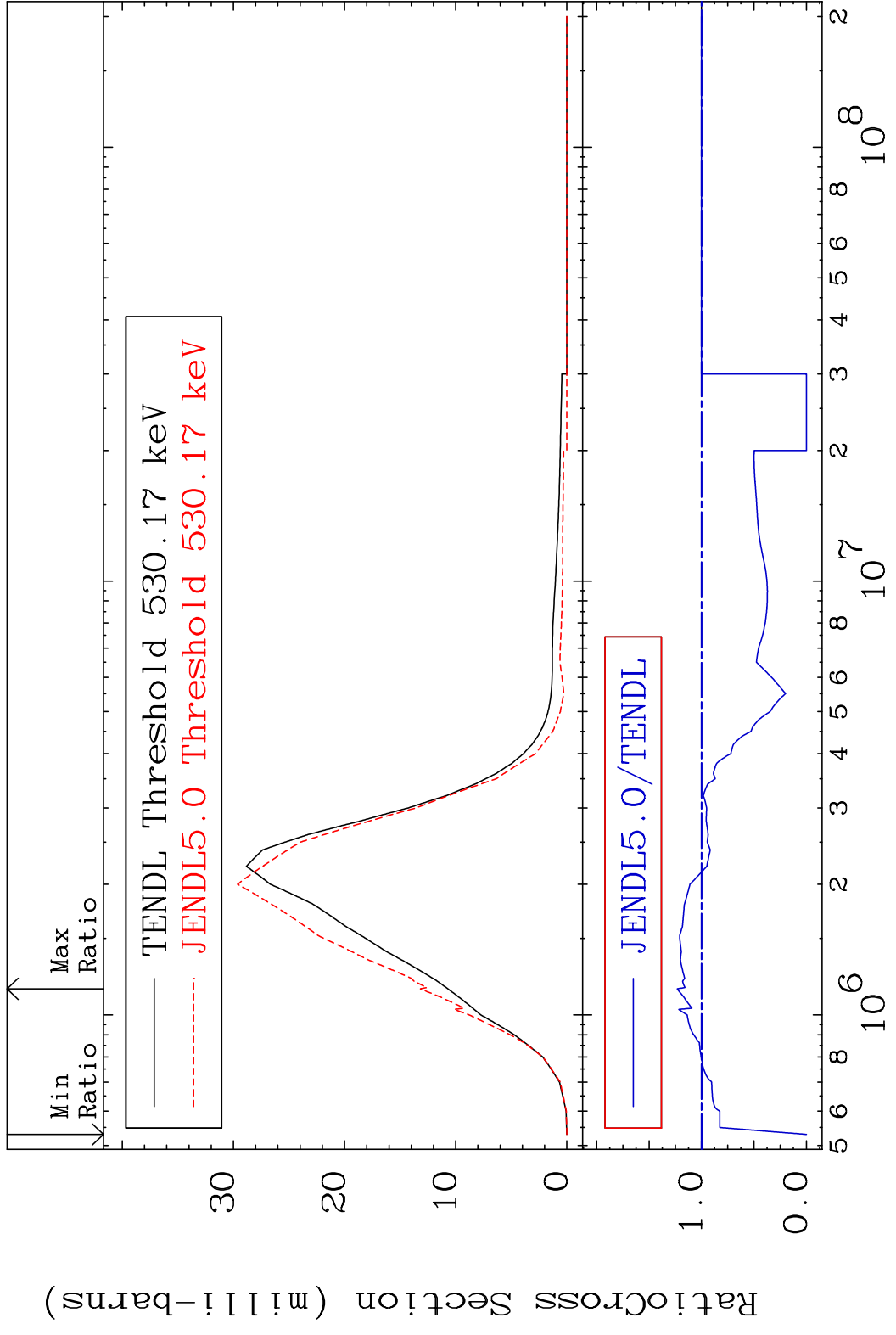
MAT 6655 MT= 51 (n,n') Level 66-Dy-166
 Cross Section -100.0 To 285.5 %



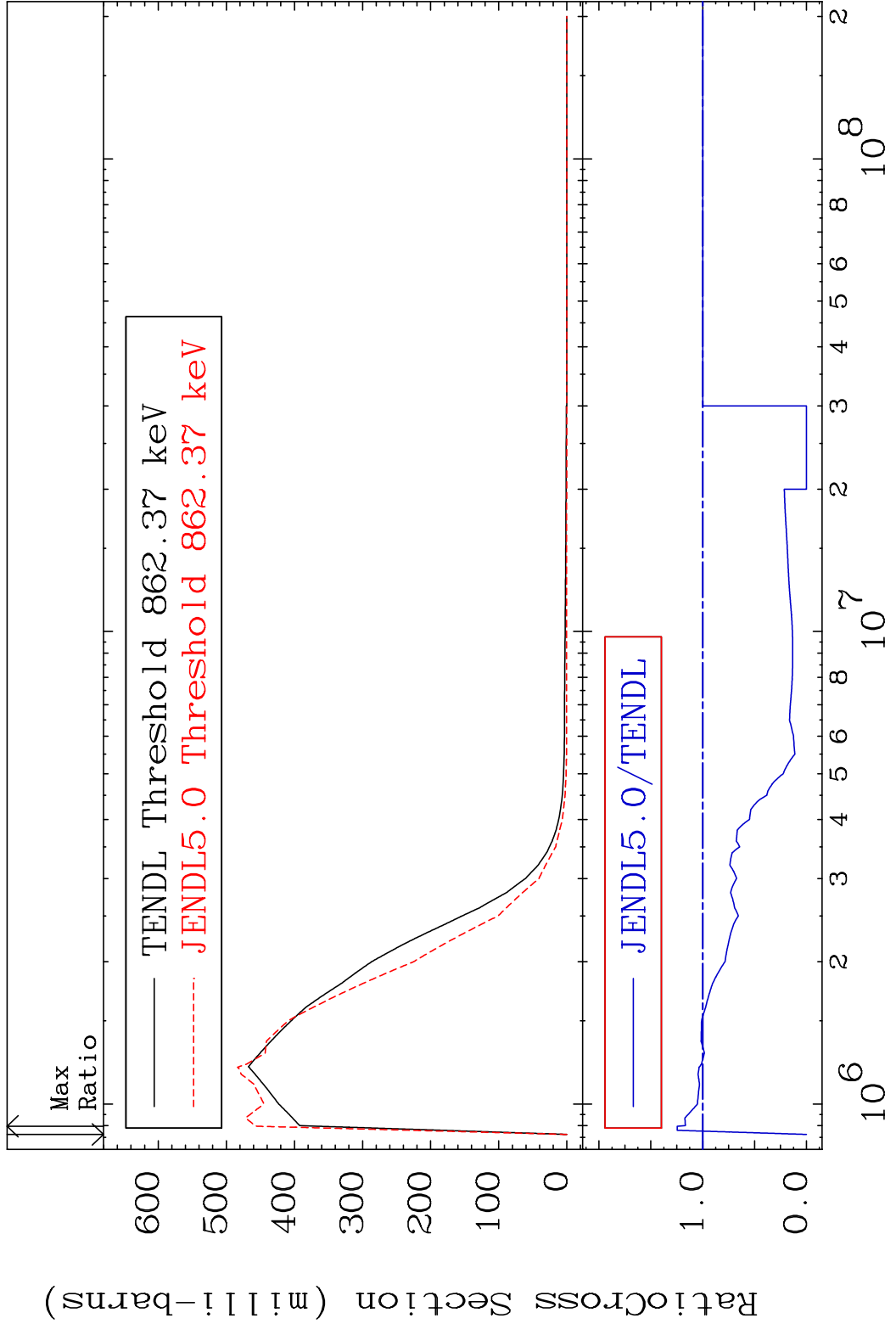
MAT 6655 MT= 52 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 11.87 %



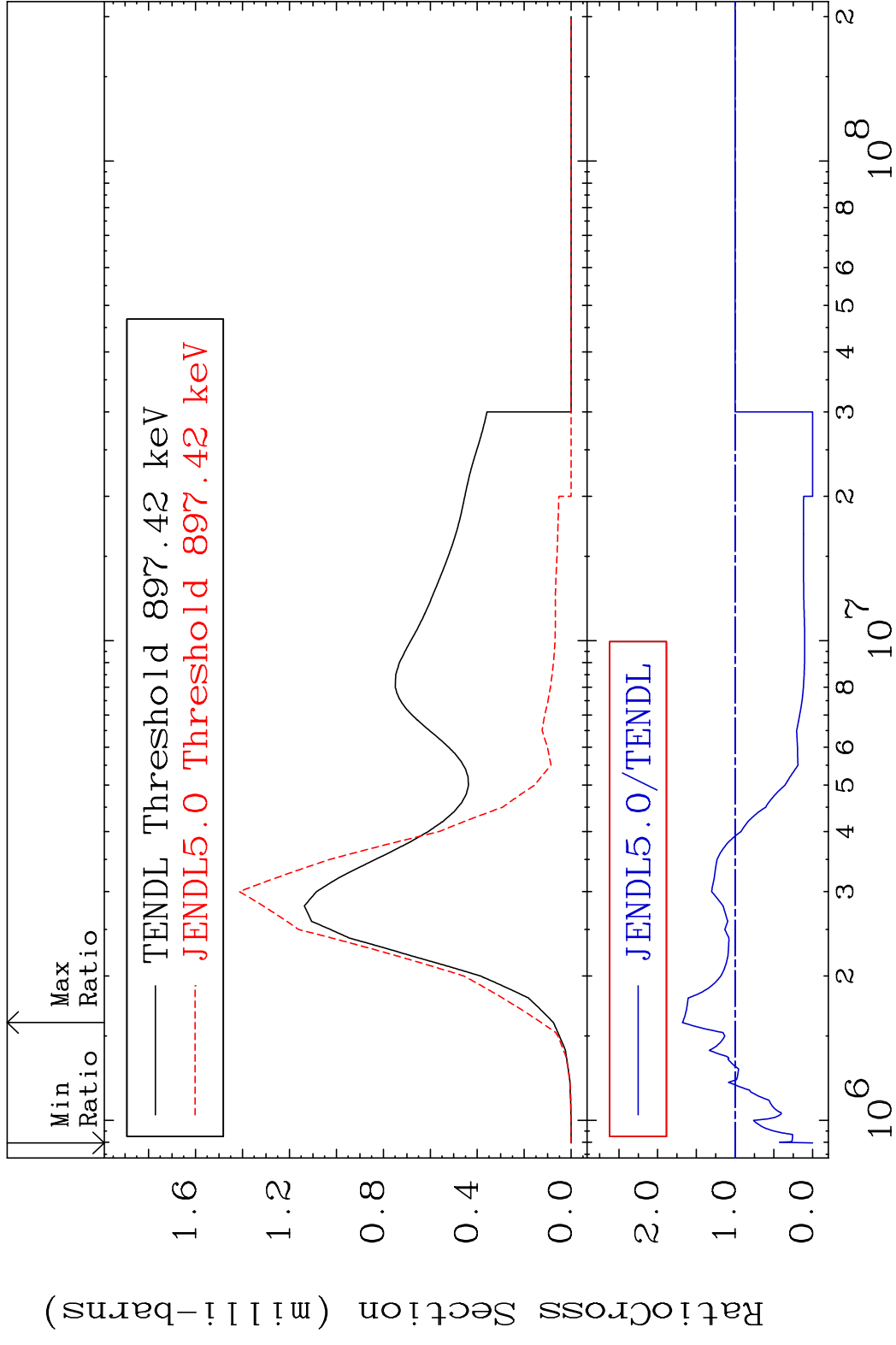
MAT 6655 MT= 53 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 23.23 %



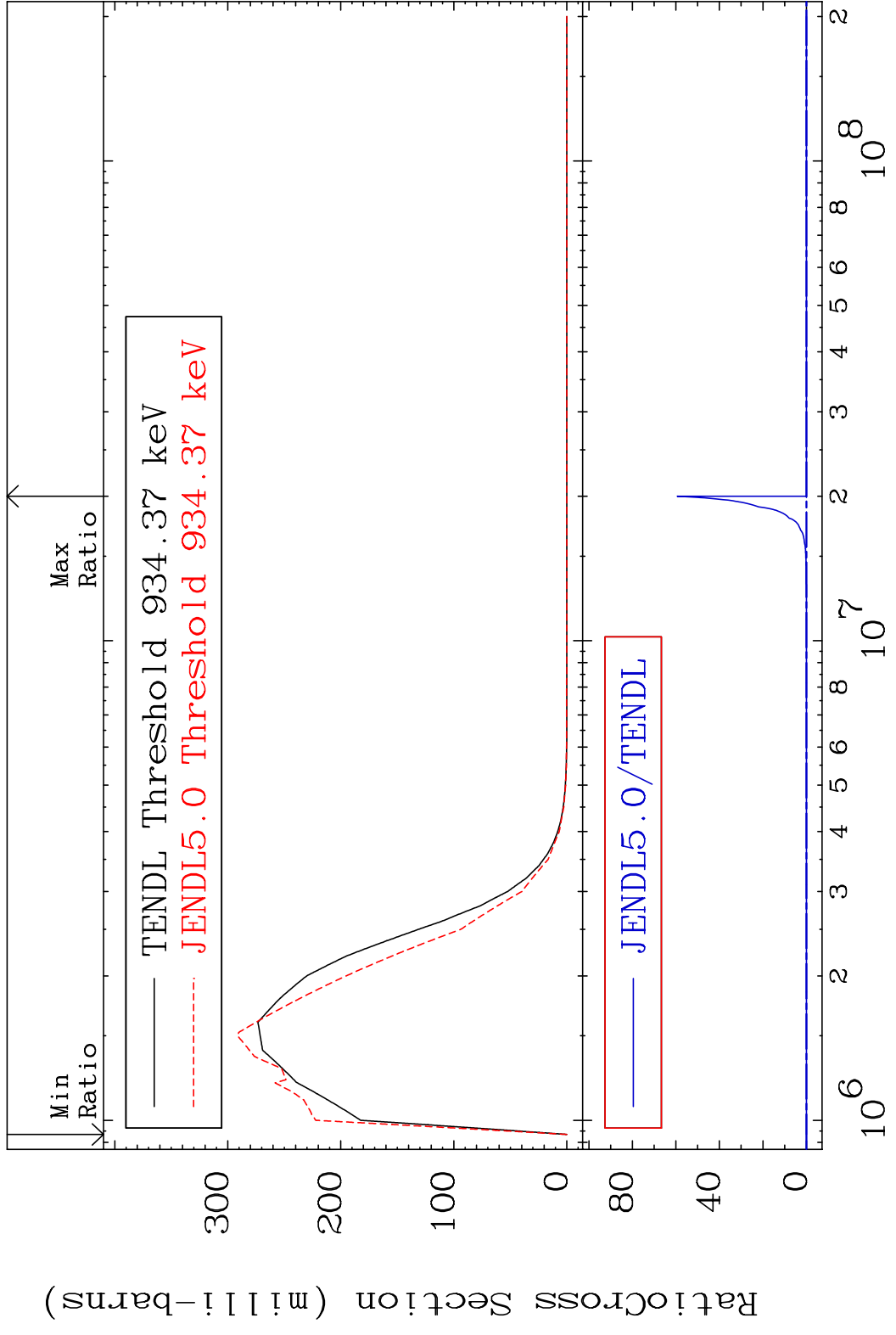
MAT 6655 MT= 54 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 24.60 %



MAT 6655 MT= 55 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 68.08 %

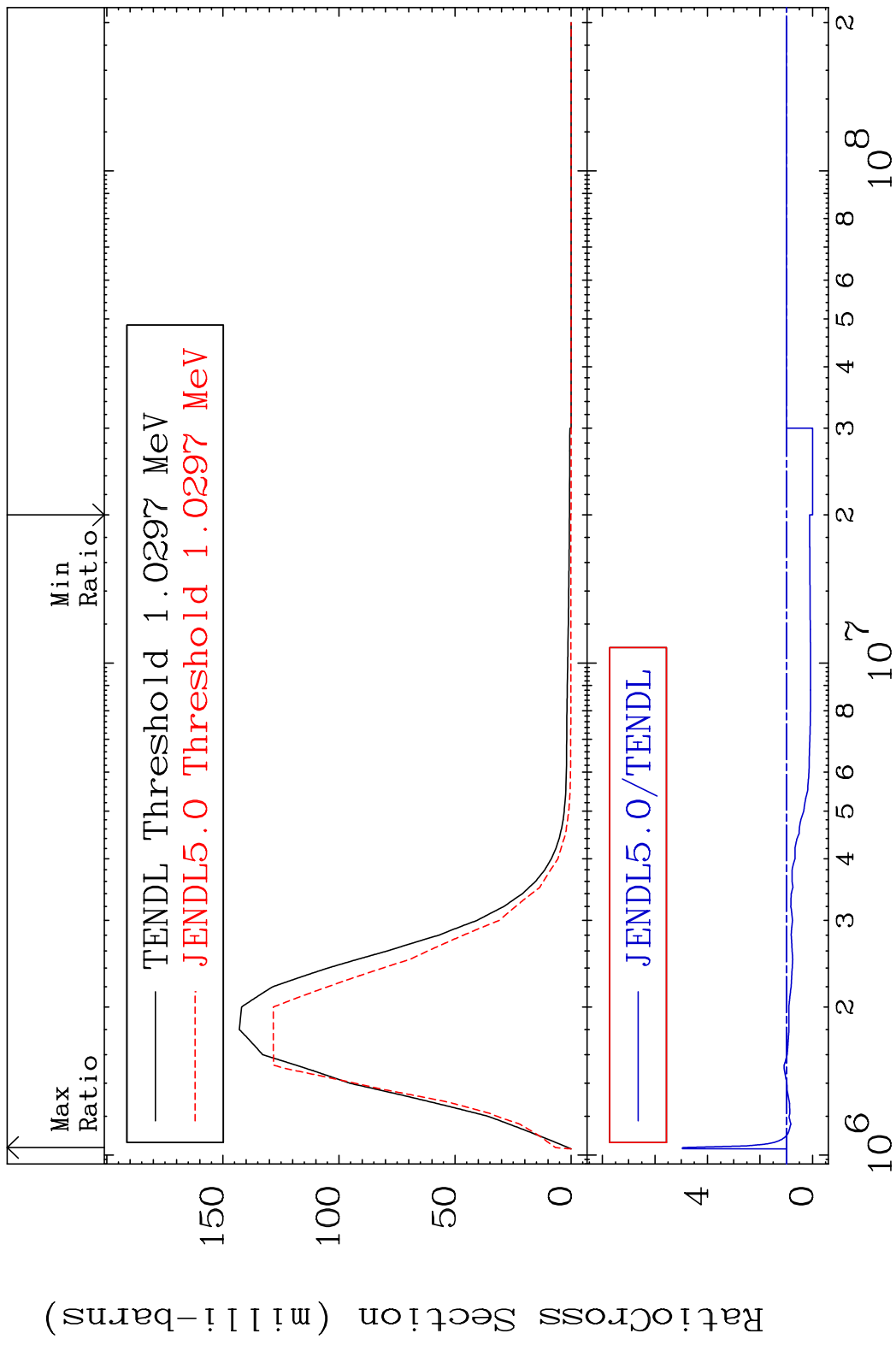


MAT 6655 MT= 56 (n, n') Level 66-Dy-166
Cross Section -100.0 To 9999. %



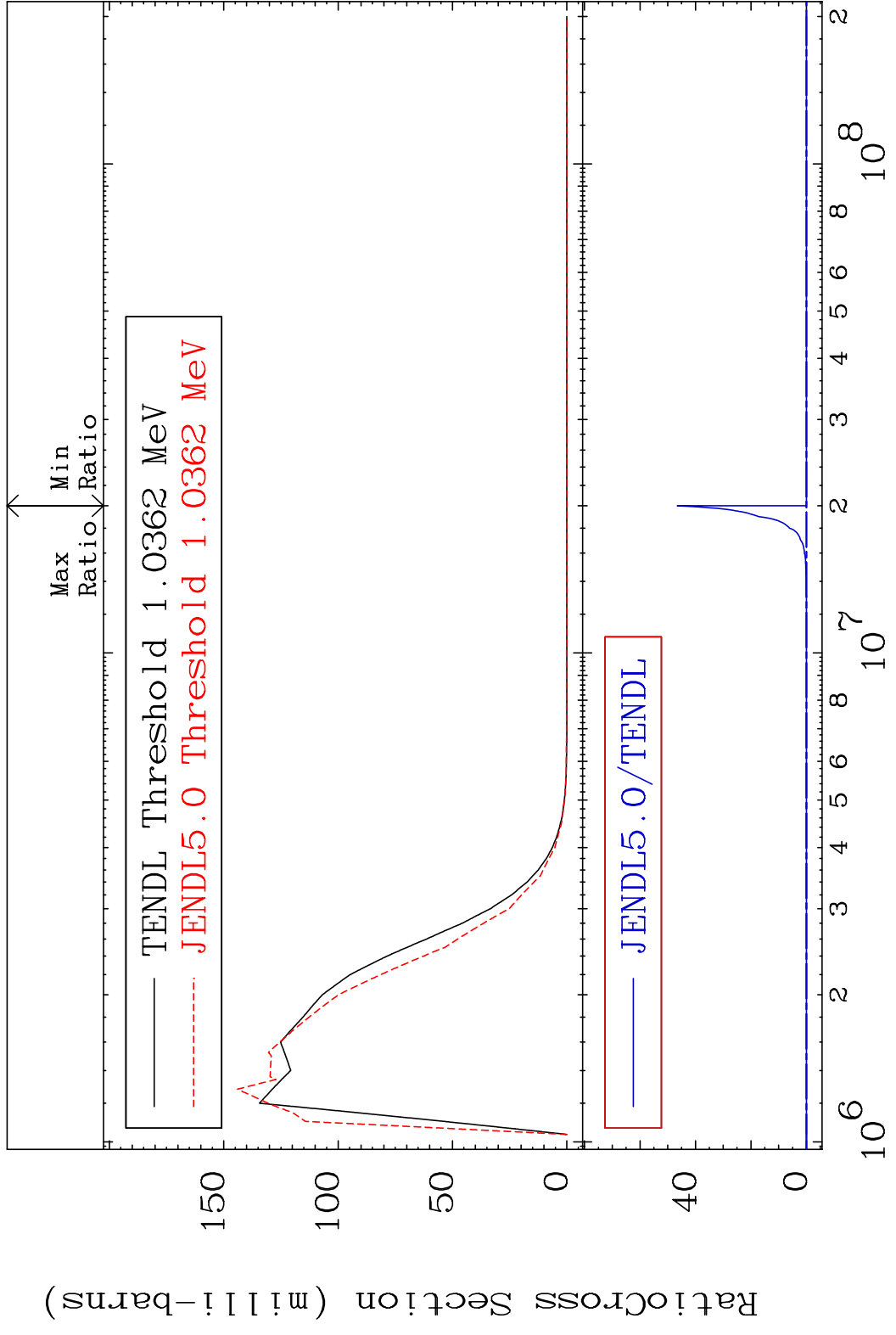
16 Incident Energy (eV) 66-Dy-166

MAT 6655 MT= 57 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 395.6 %



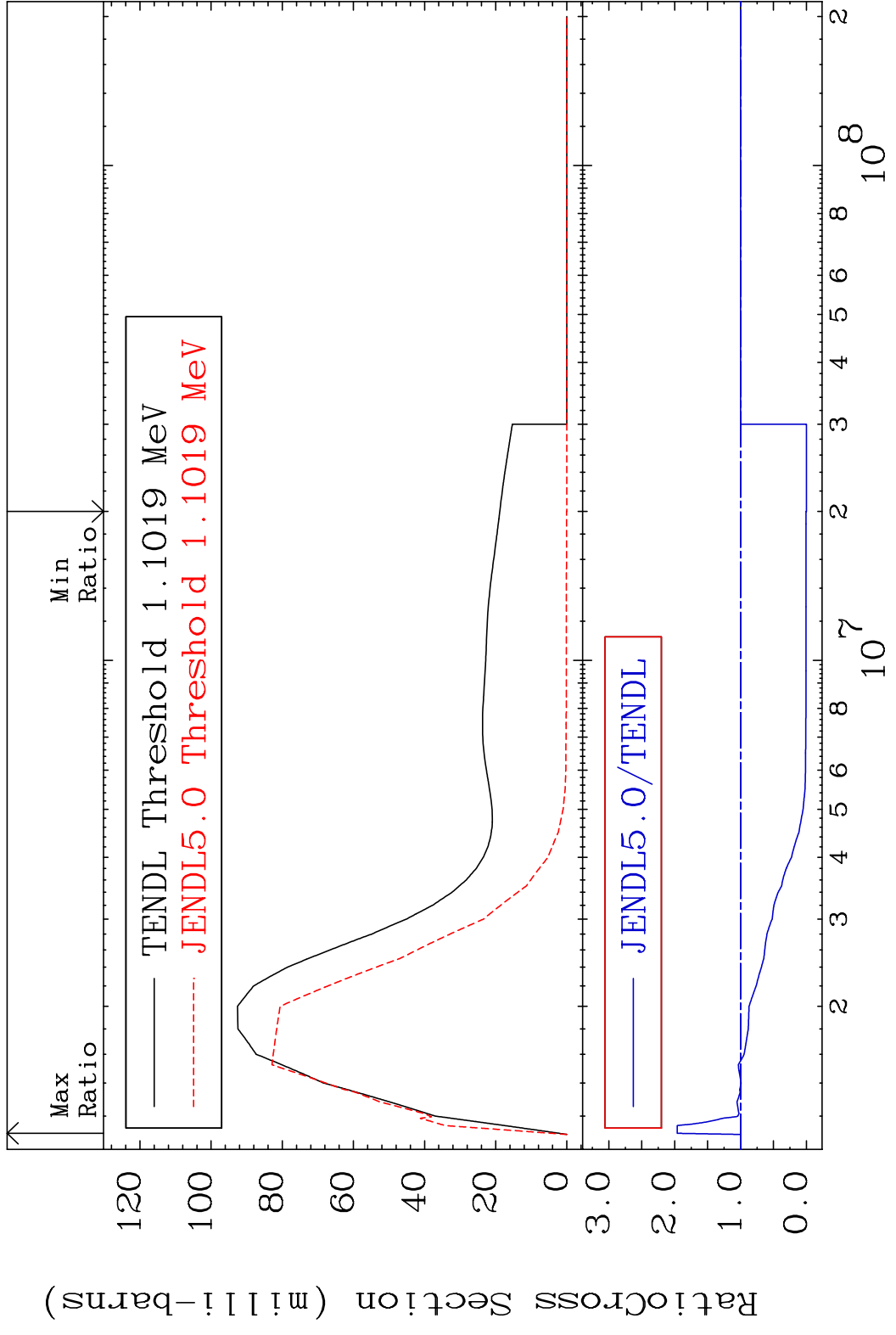
17 Incident Energy (eV) 66-Dy-166

MAT 6655 MT= 58 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 9999. %

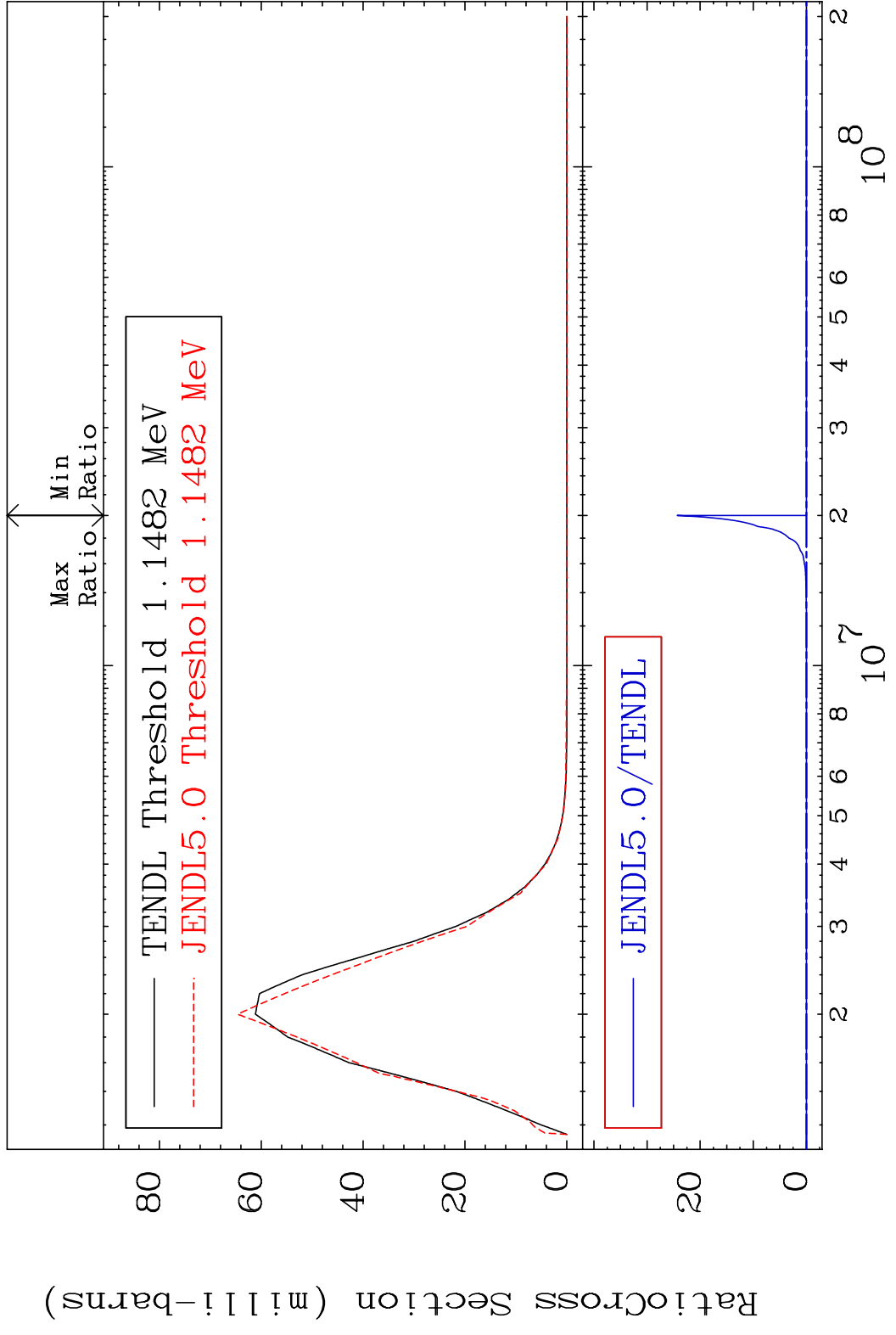


18 66-Dy-166

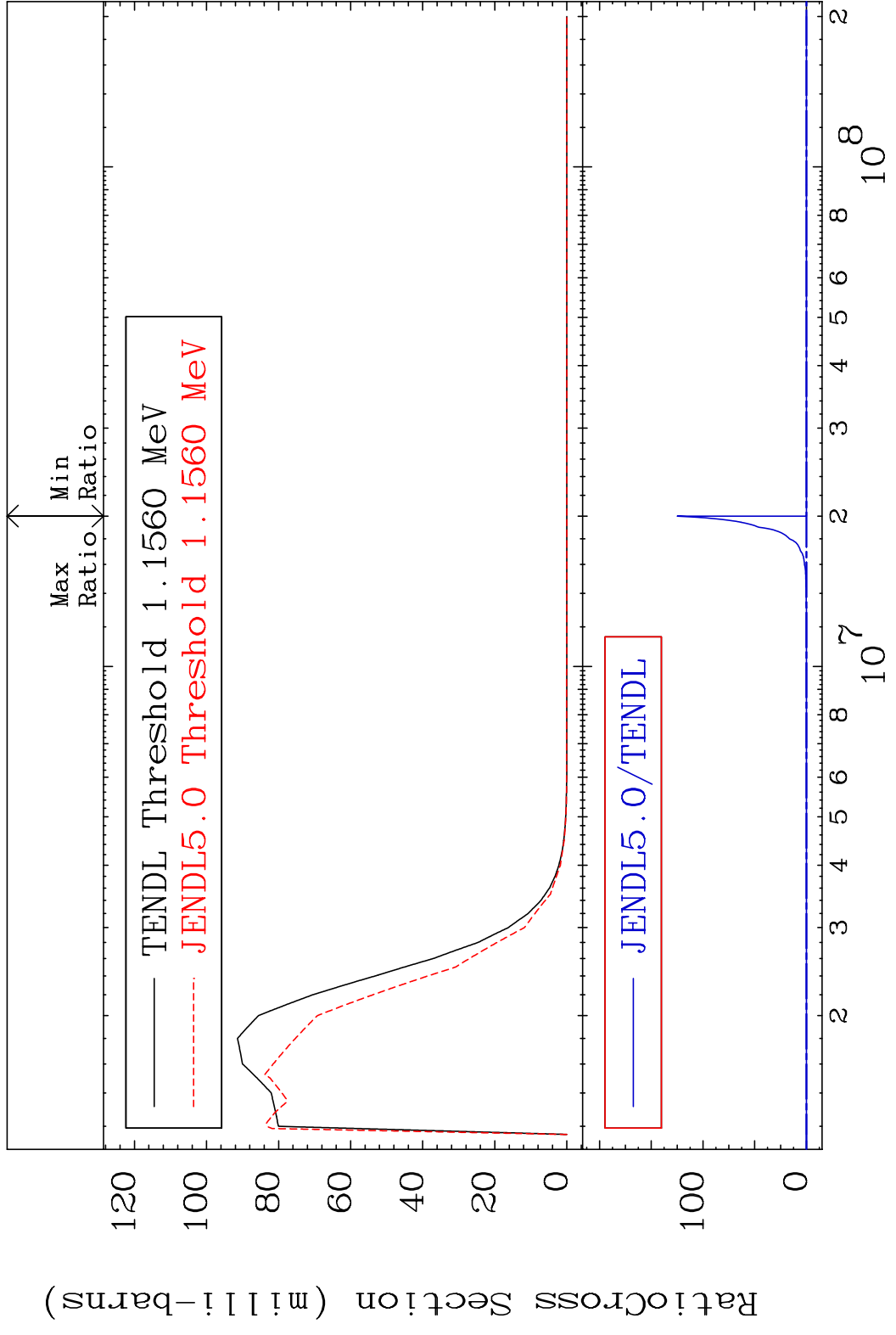
MAT 6655 MT= 59 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 96.21 %



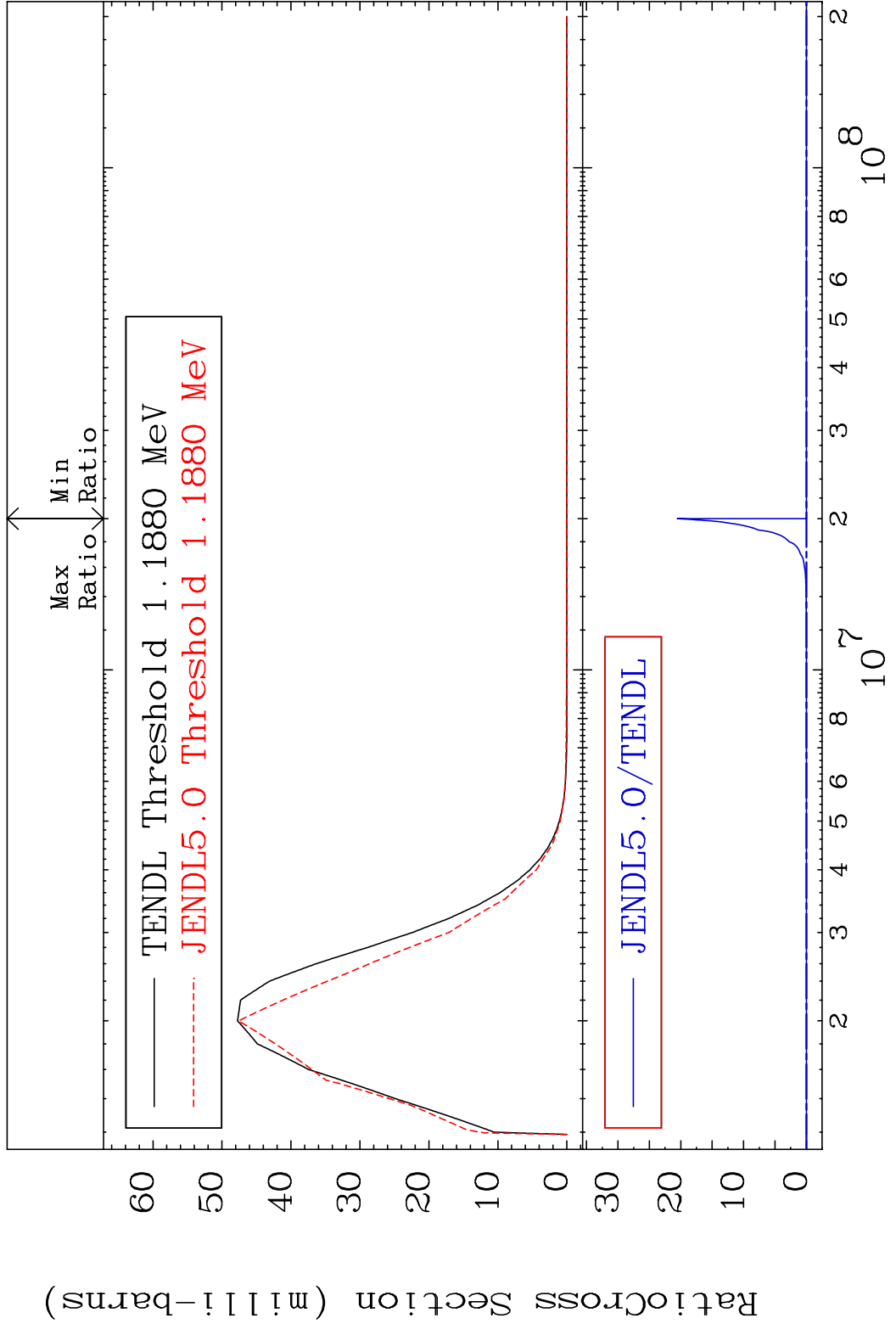
MAT 6655 MT= 60 (n, n') Level 66-Dy-166
Cross Section -100.0 To 9999. %



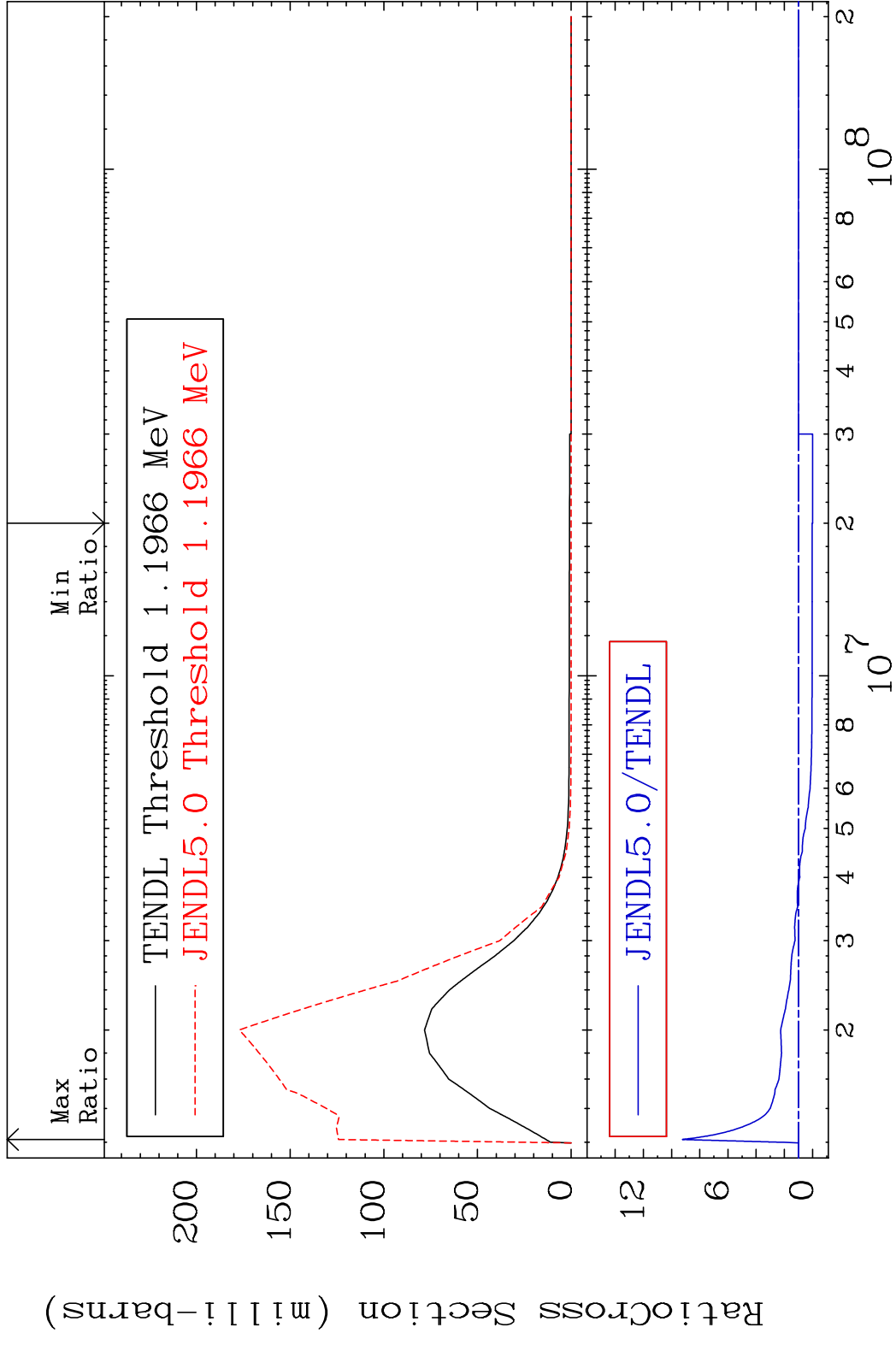
MAT 6655 MT= 61 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 9999. %



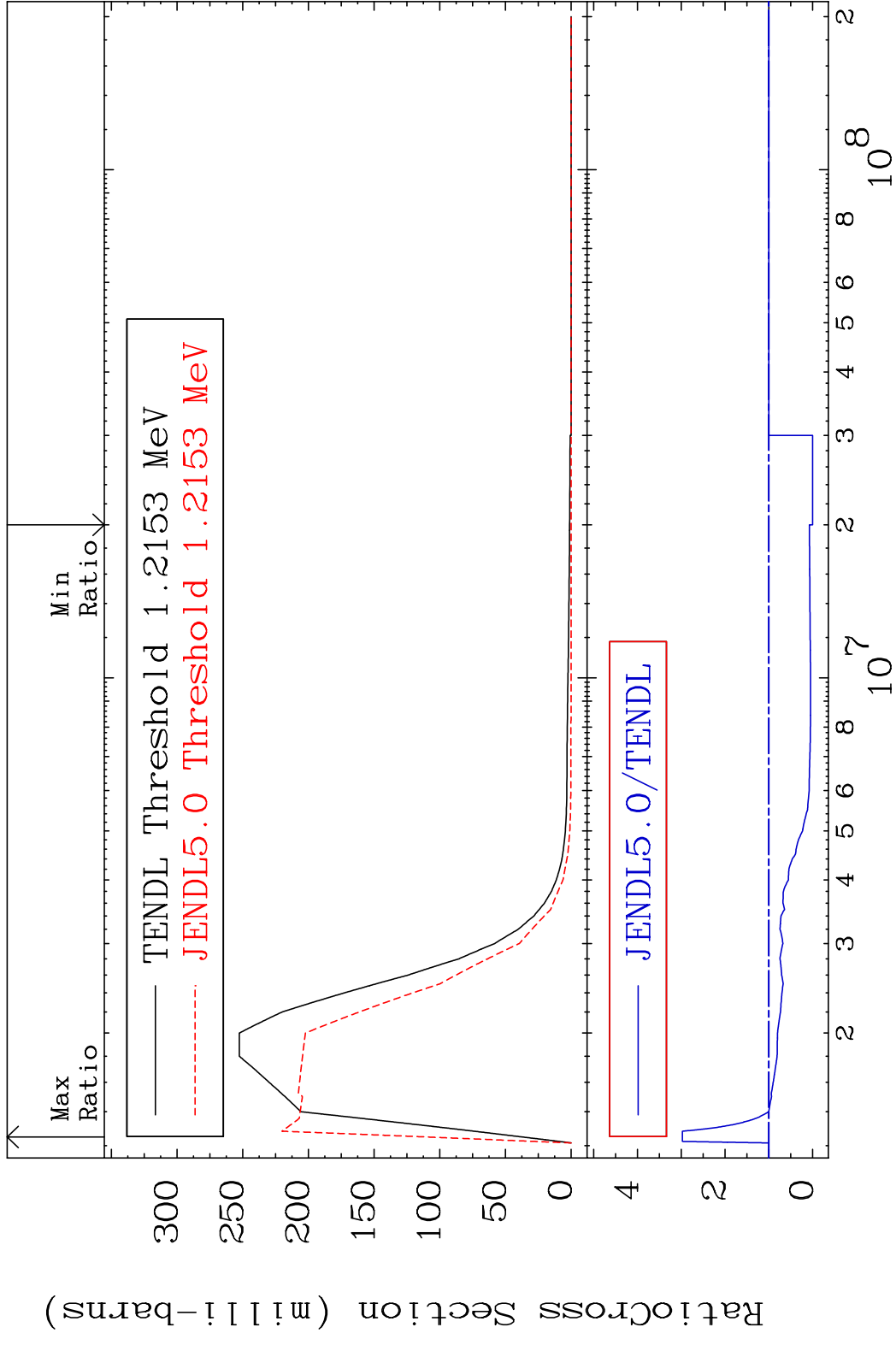
MAT 6655 MT= 62 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 9999. %



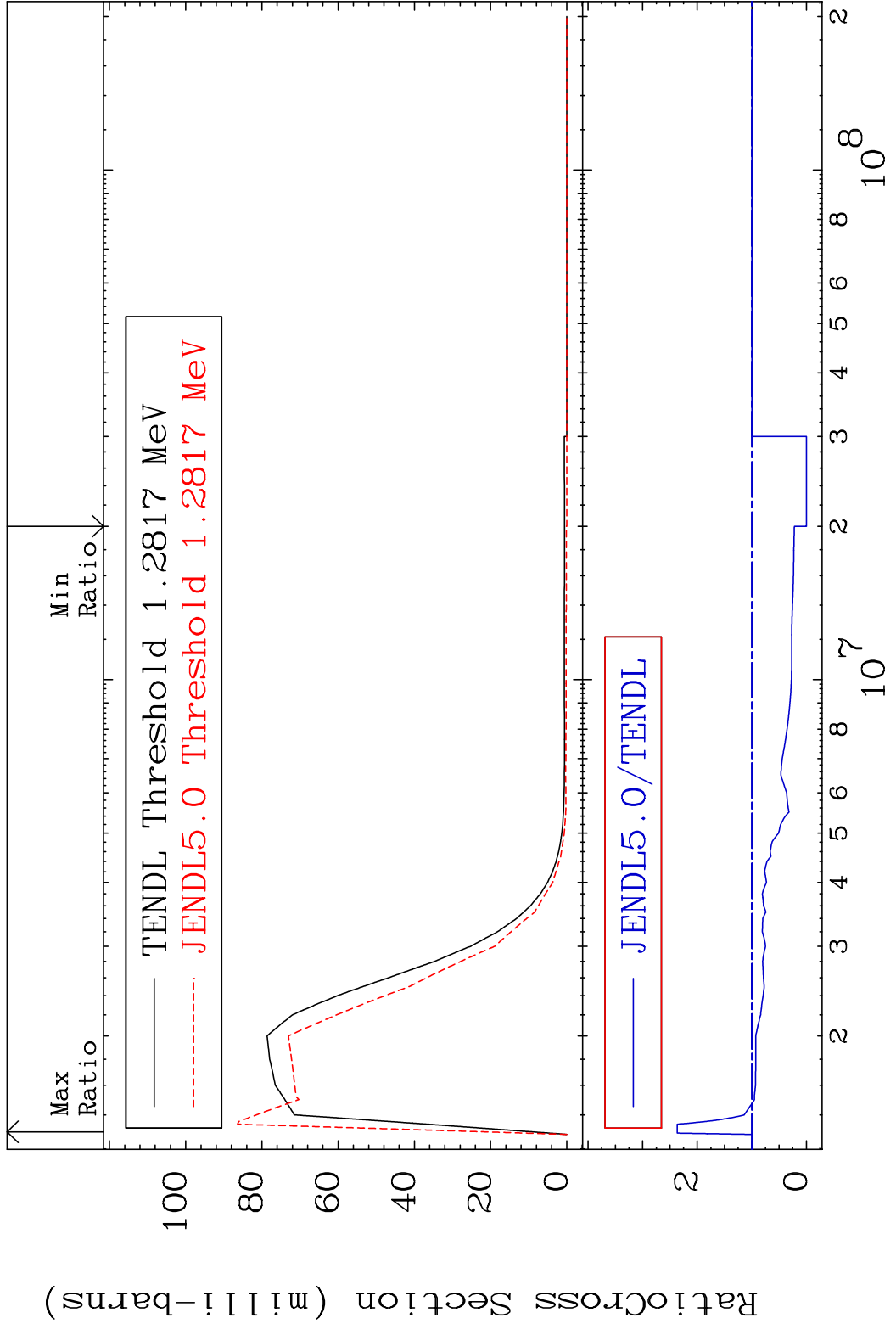
MAT 6655 MT= 63 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 823.4 %



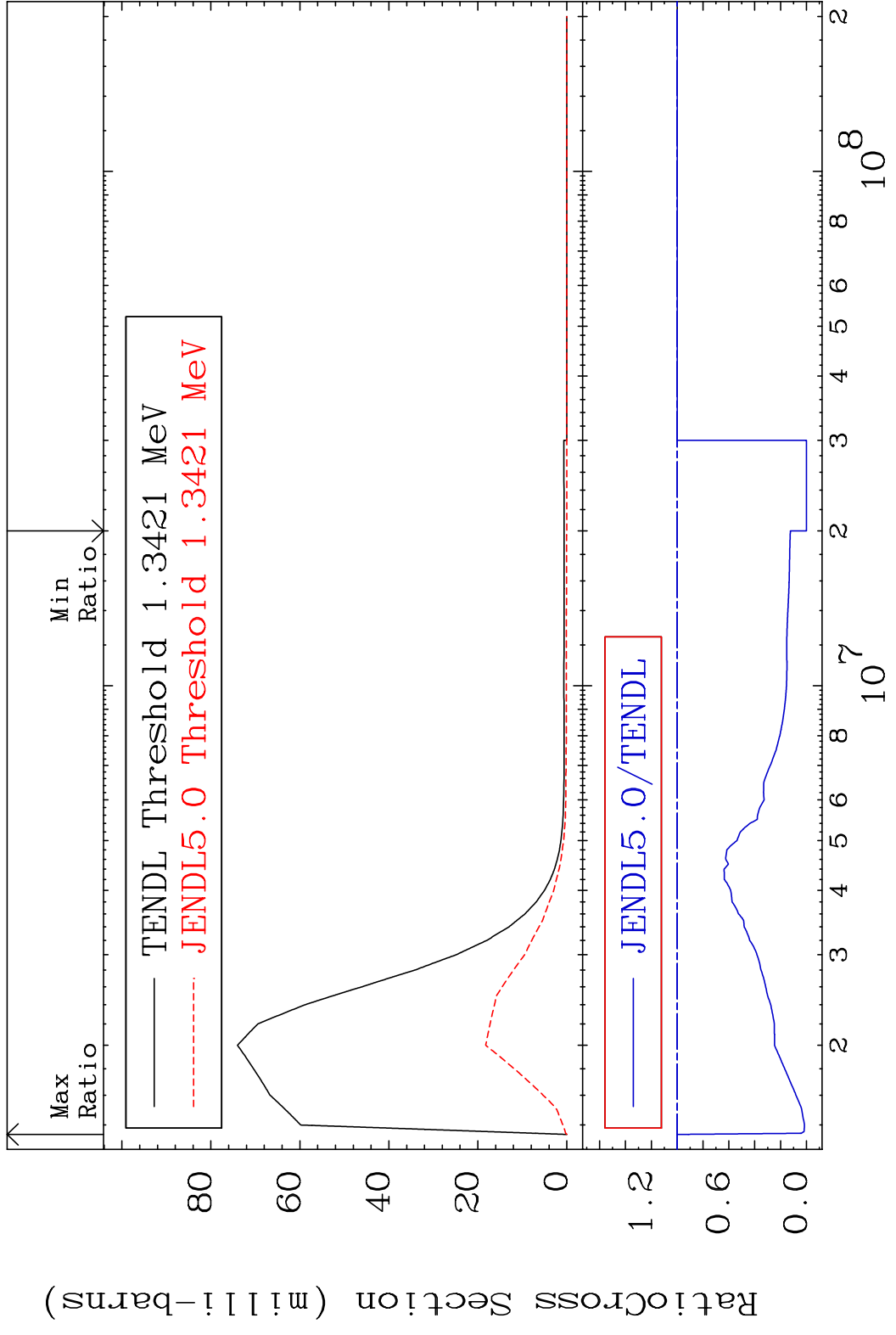
MAT 6655 MT= 64 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 197.5 %



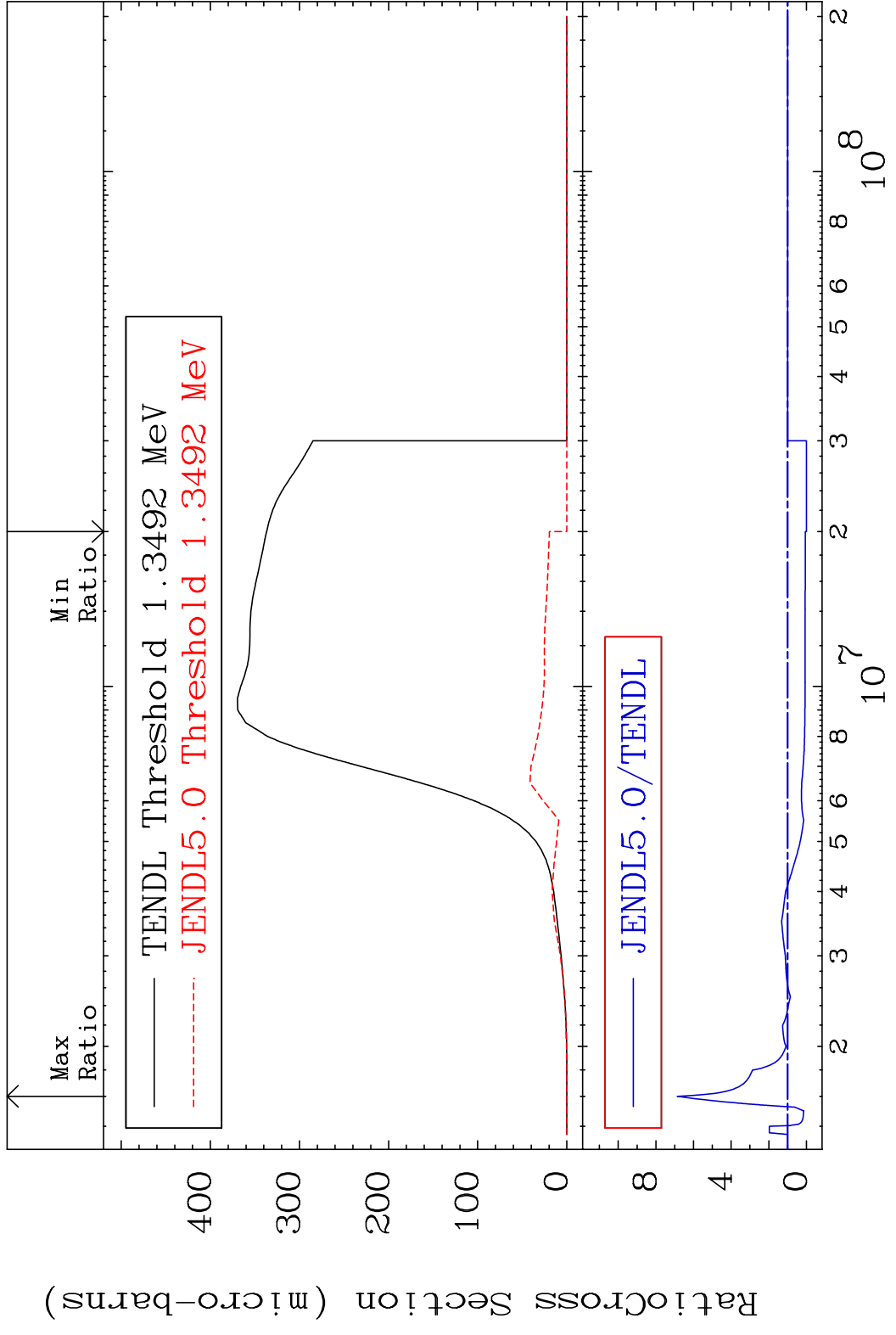
MAT 6655 MT= 65 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 136.7 %



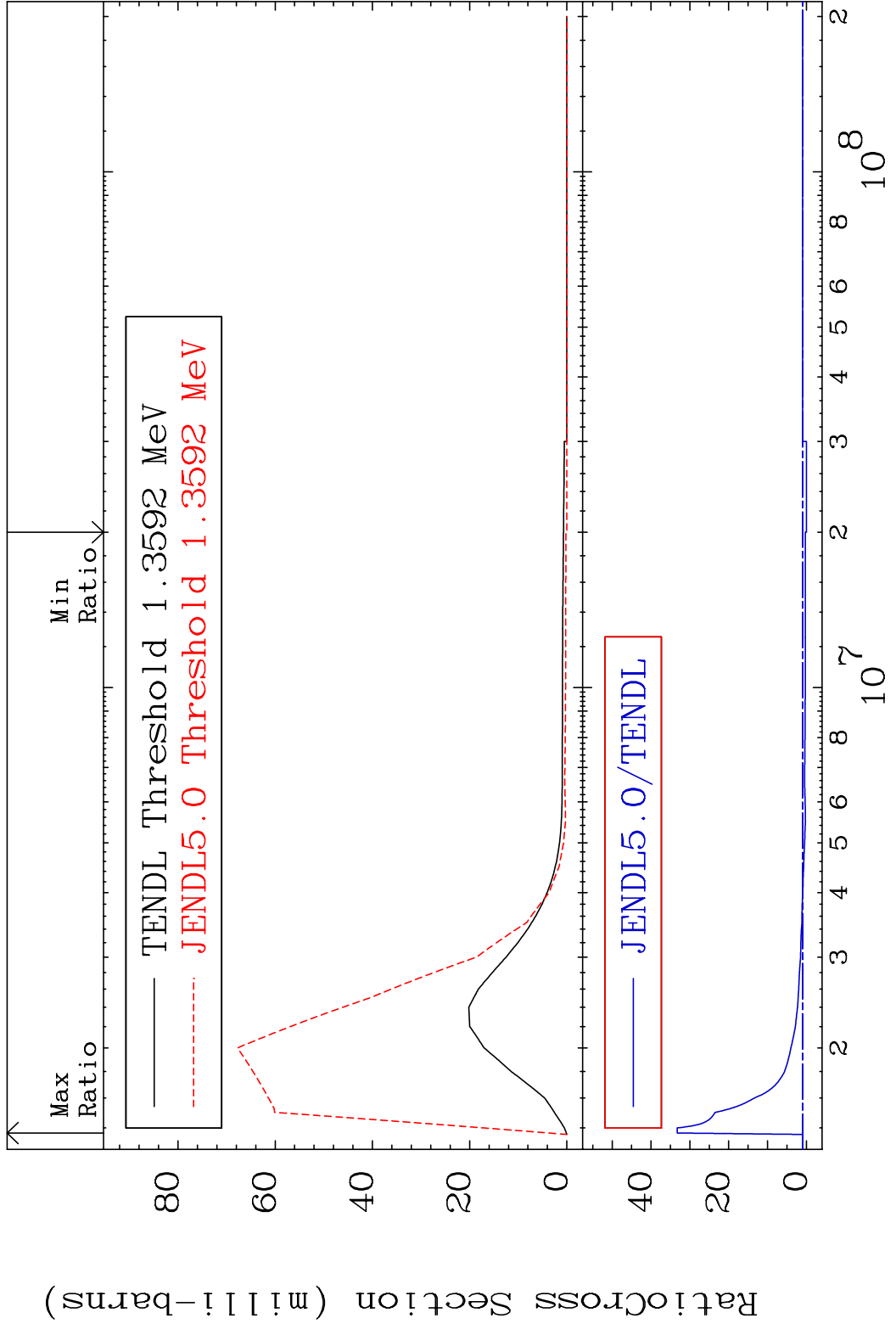
MAT 6655 MT= 66 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 0.000 %



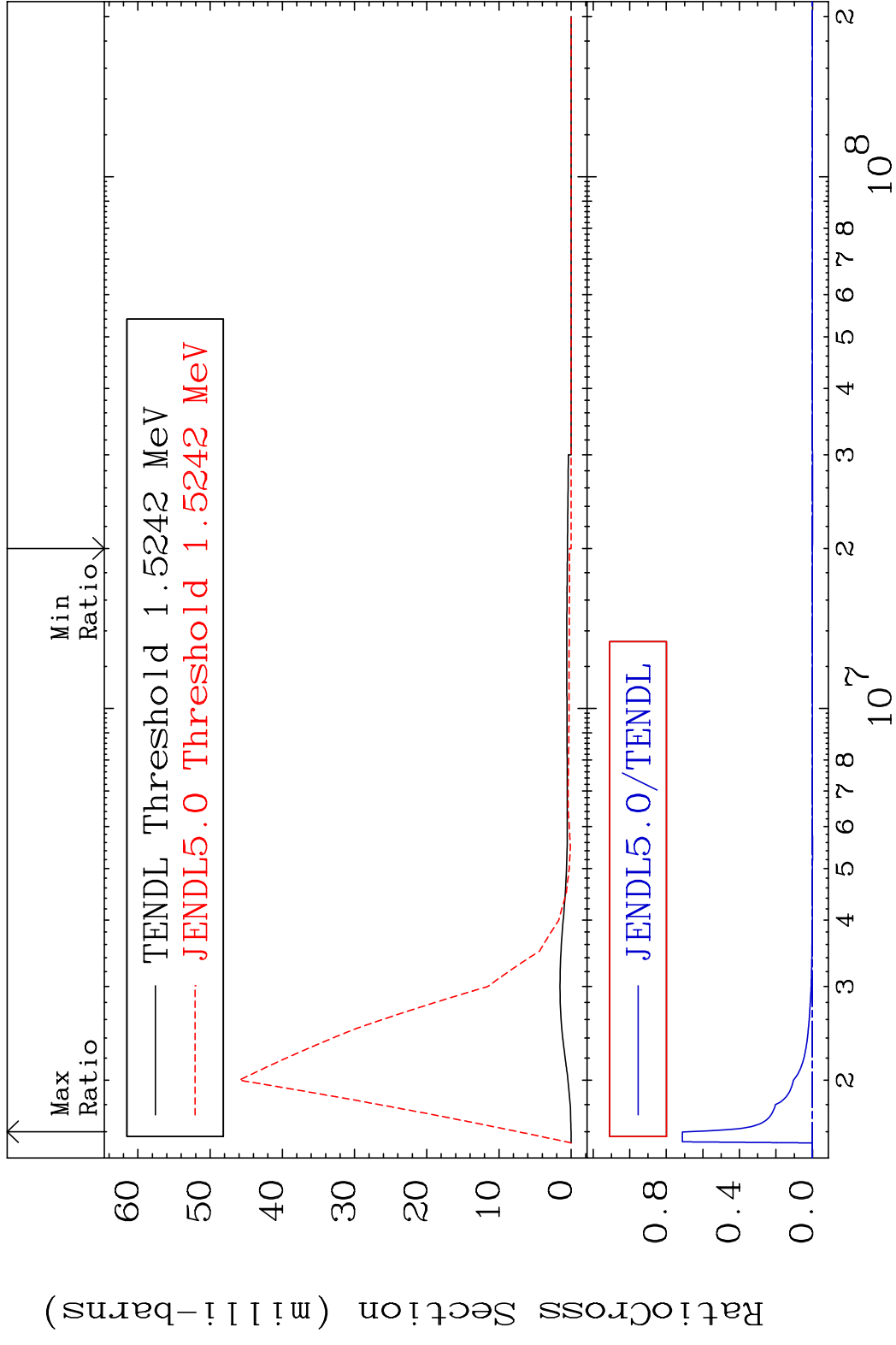
MAT 6655 MT= 67 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 586.8 %



MAT 6655 MT= 68 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 3226. %



MAT 6655 MT= 69 (n, n') Level 66-Dy-166
 Cross Section -100.0 To 9999. %

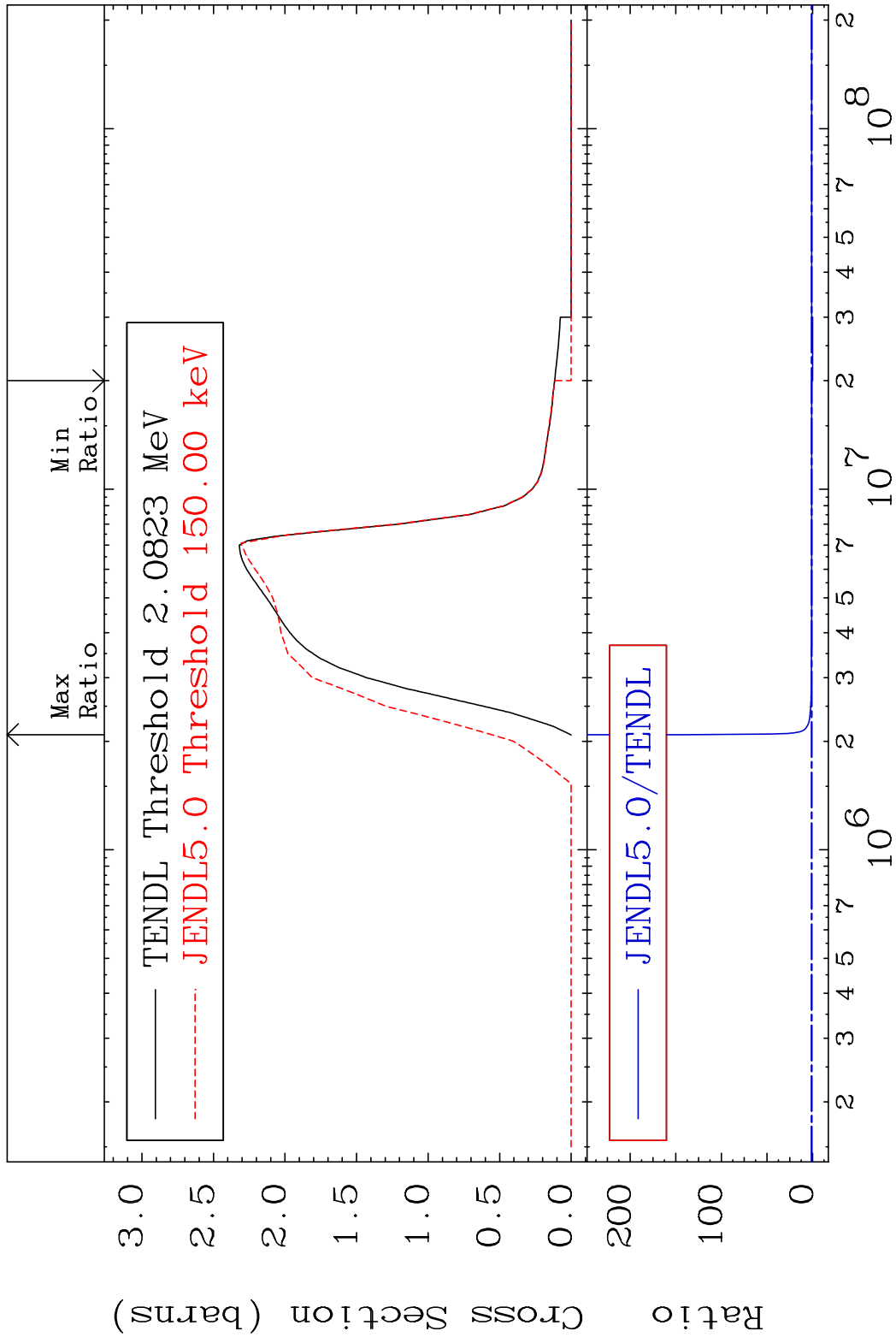


MAT 6655

(n,n') Continuum

66-Dy-166

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

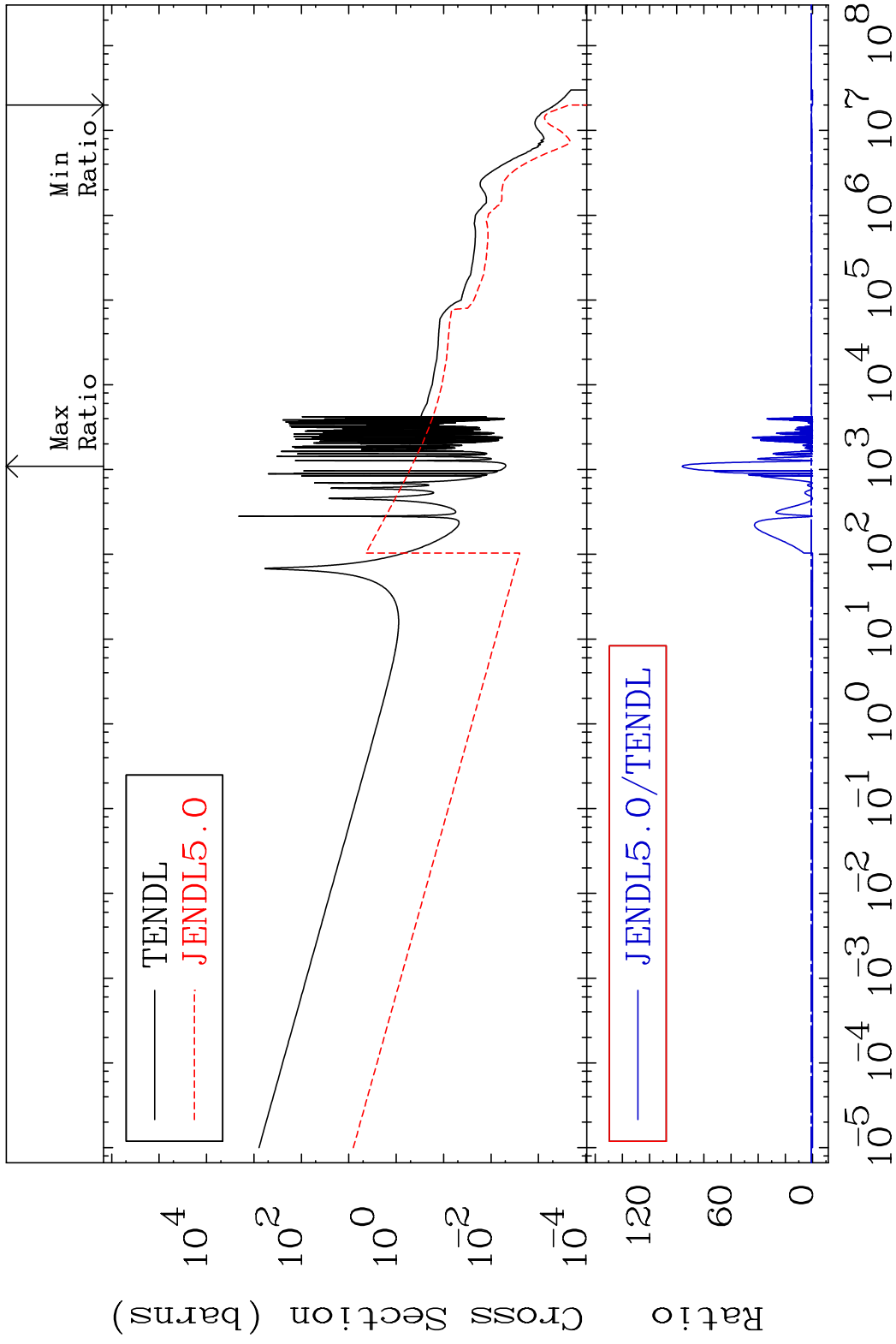
66-Dy-166

MAT 6655

(n, γ)

66-Dy-166

Cross Section -100.0 To 9494. %



31

Incident Energy (eV)

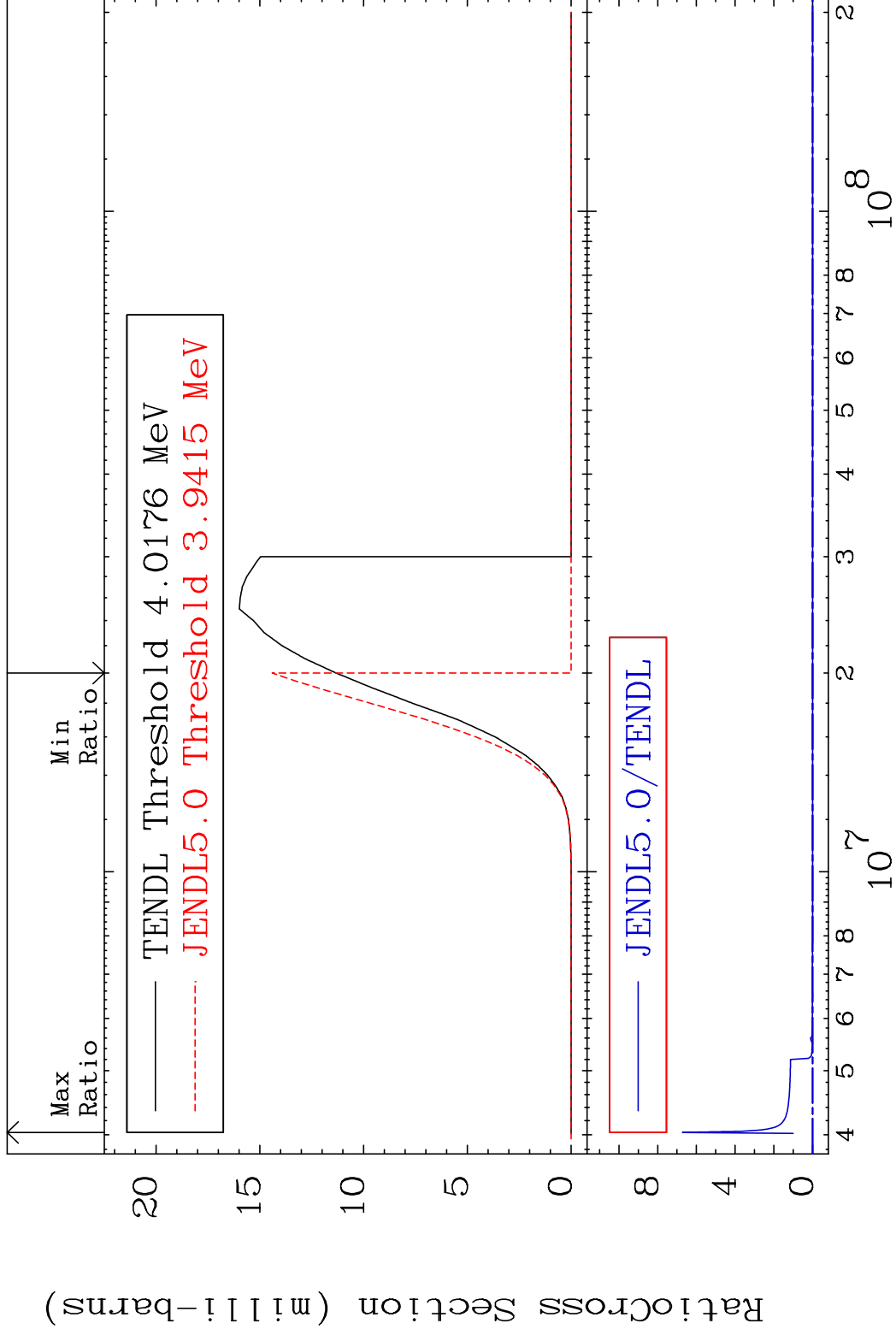
66-Dy-166

MAT 6655

(n,p)

66-Dy-166

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

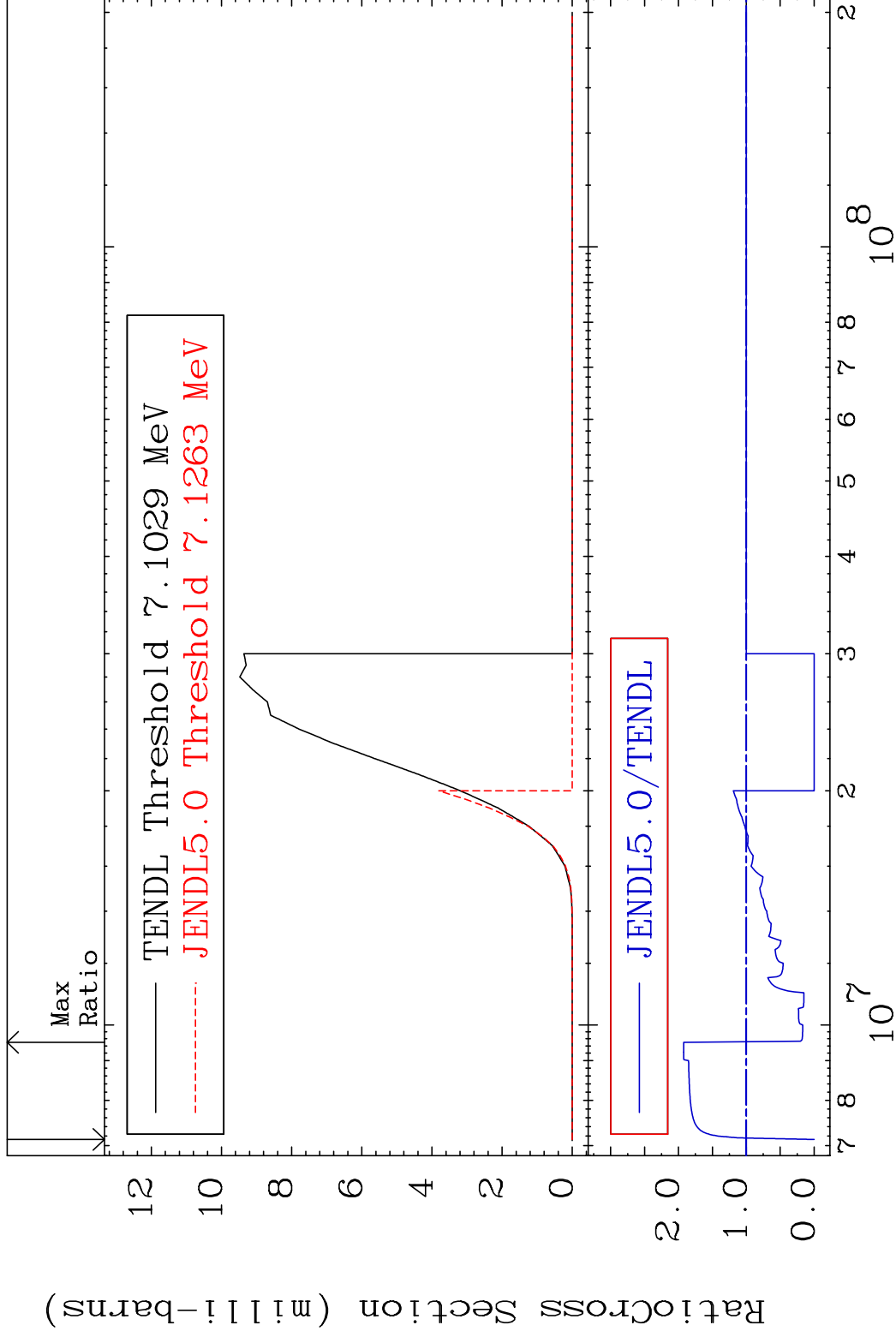
66-Dy-166

MAT 6655

(n,d)

66-Dy-166

Cross Section -100.0 To 92.37 %

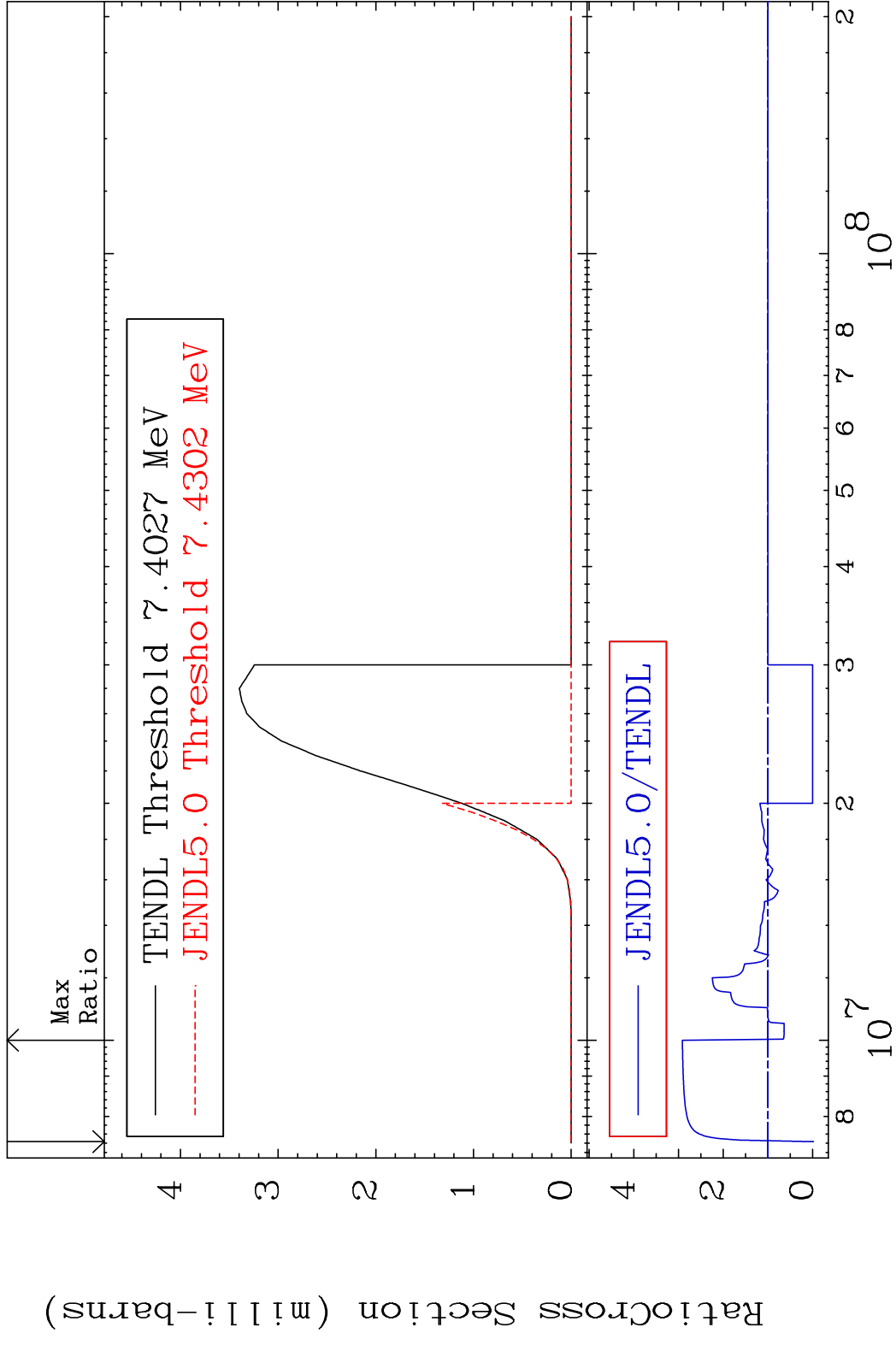


33

Incident Energy (eV)

66-Dy-166

MAT 6655 (n, t) 66-Dy-166
 Cross Section -100.0 To 191.4 %

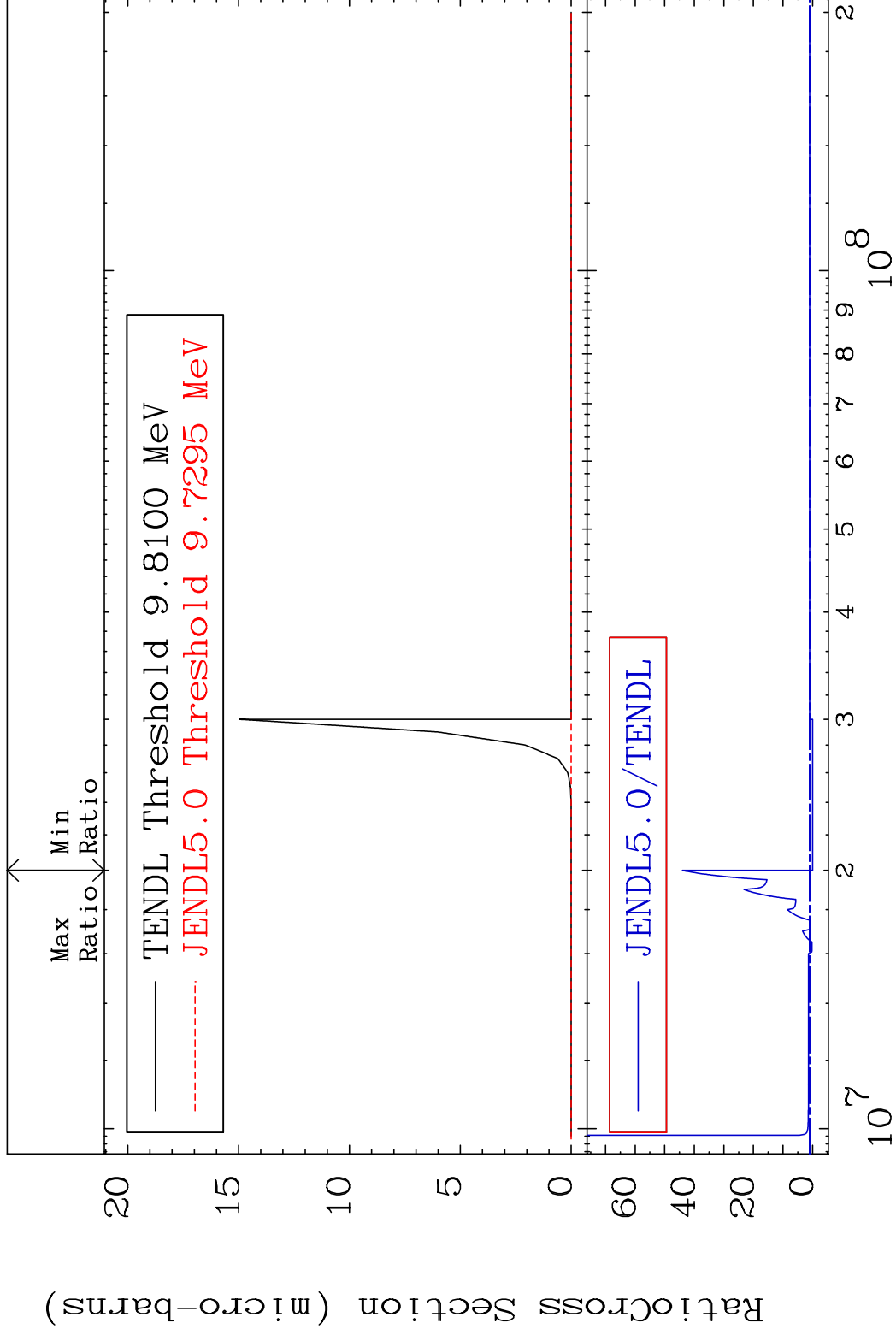


MAT 6655

(n, He-3)

66-Dy-166

Cross Section -100.0 To 4302. %



35

Incident Energy (eV)

66-Dy-166

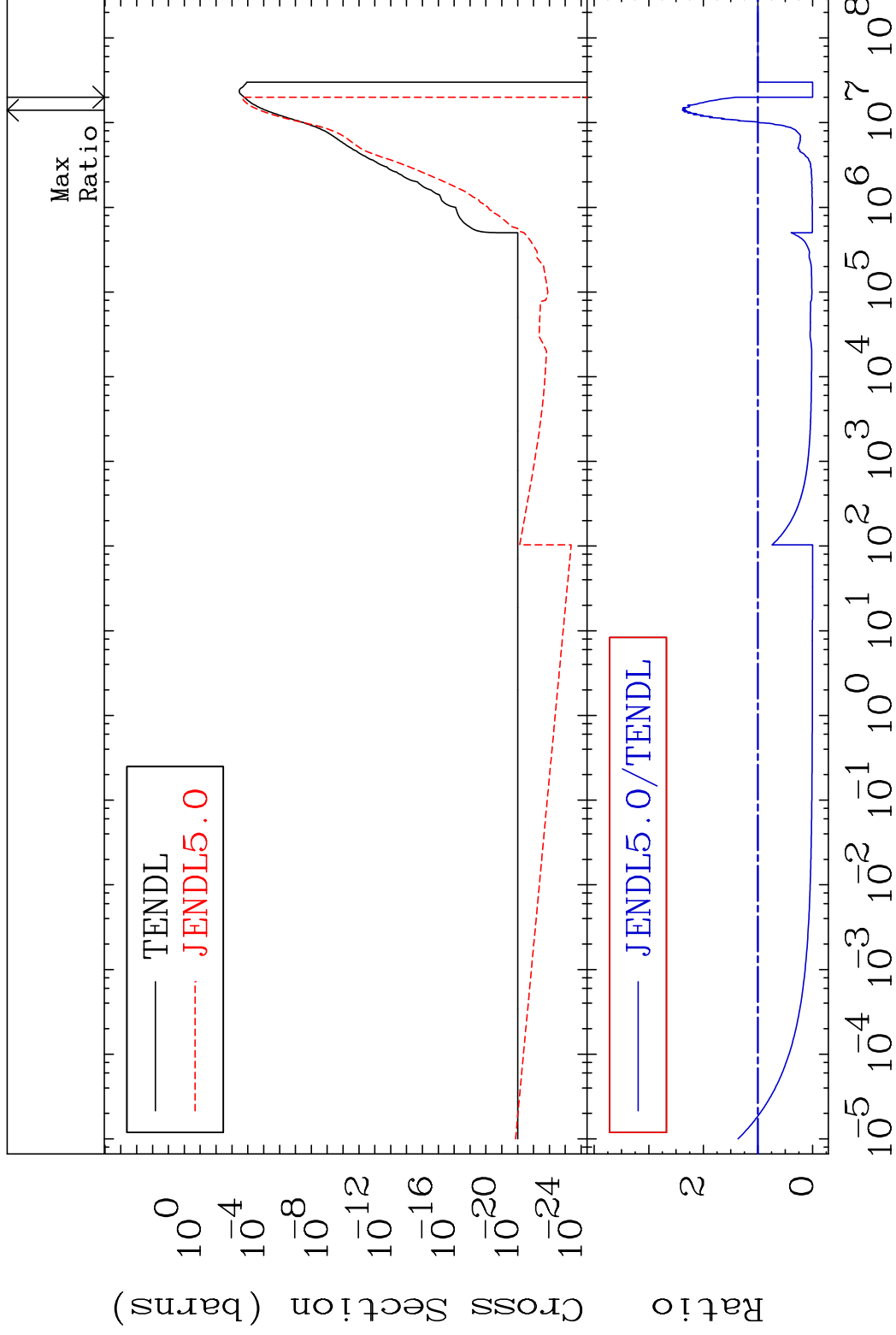
MAT 6655

(n, α)

66-Dy-166

Cross Section

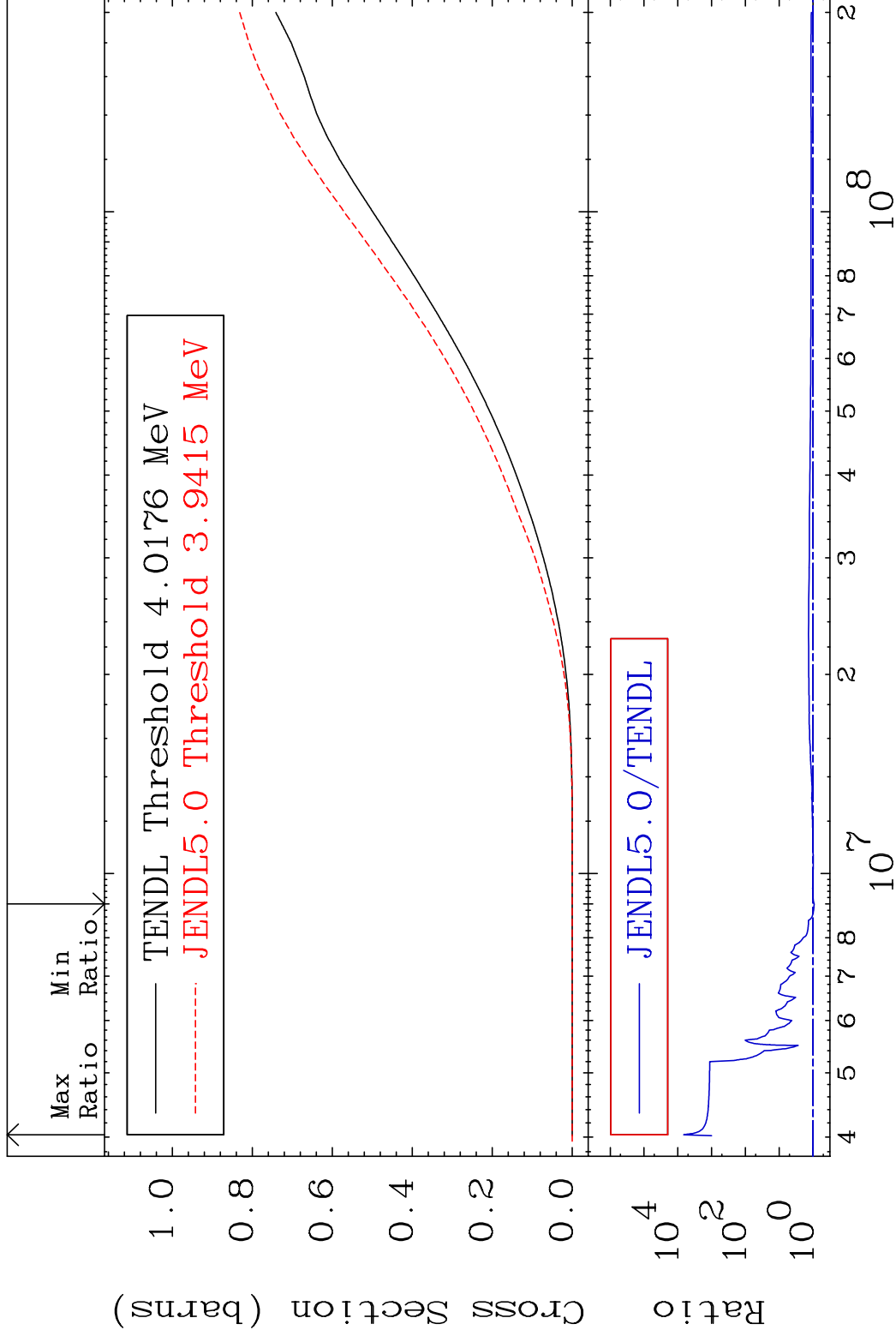
-100.0 To 138.5 %



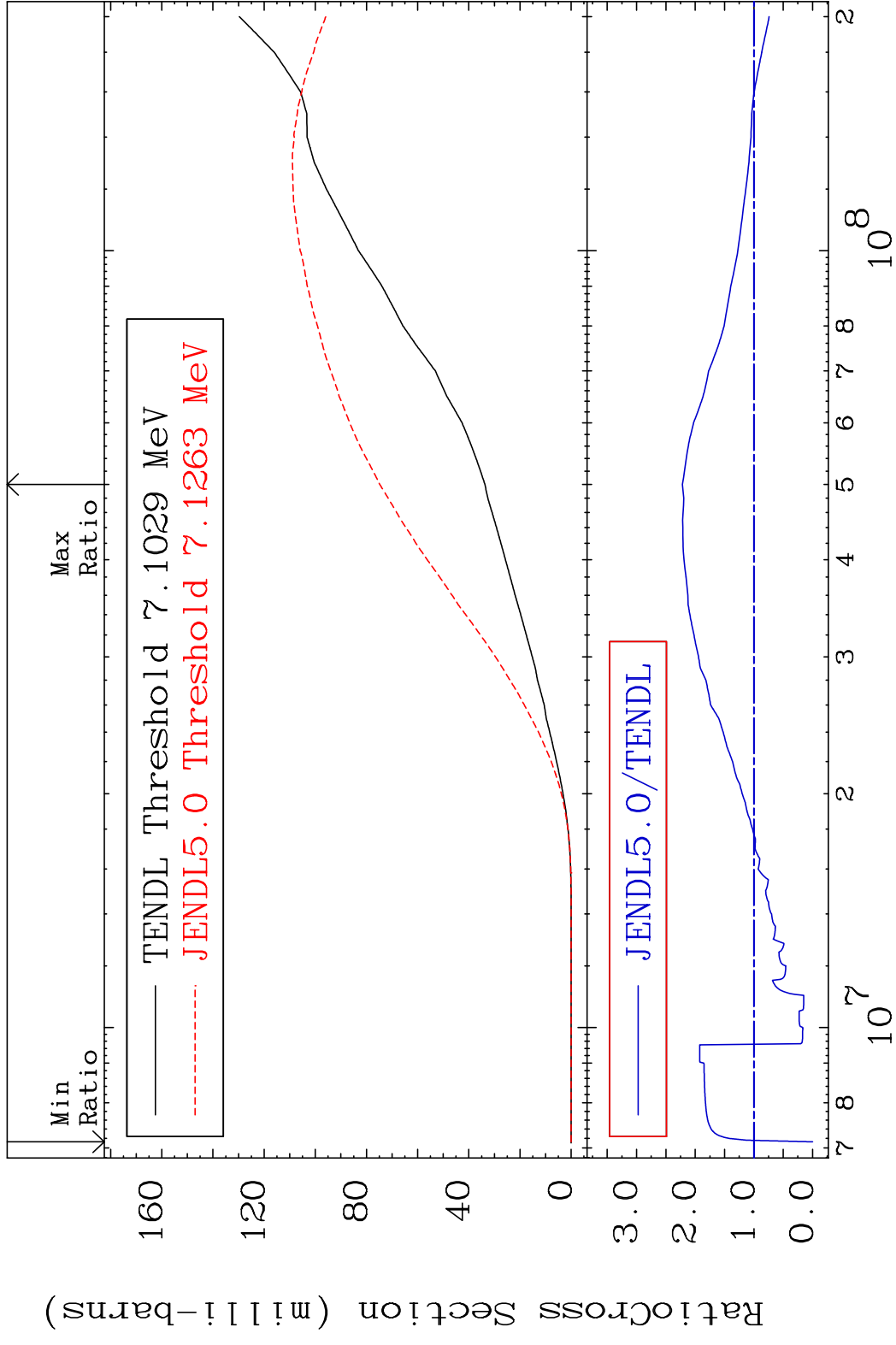
36

Incident Energy (eV)

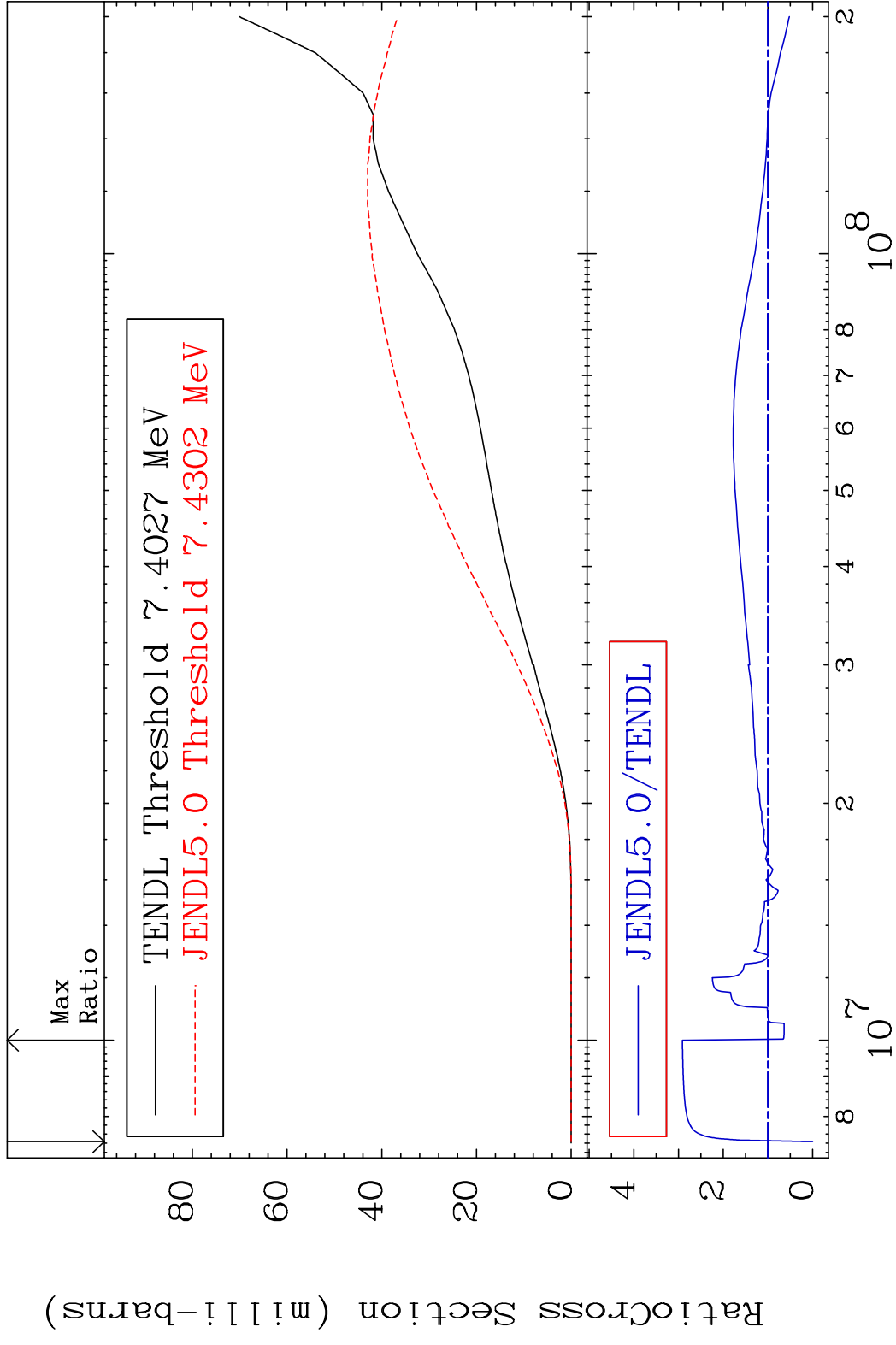
66-Dy-166



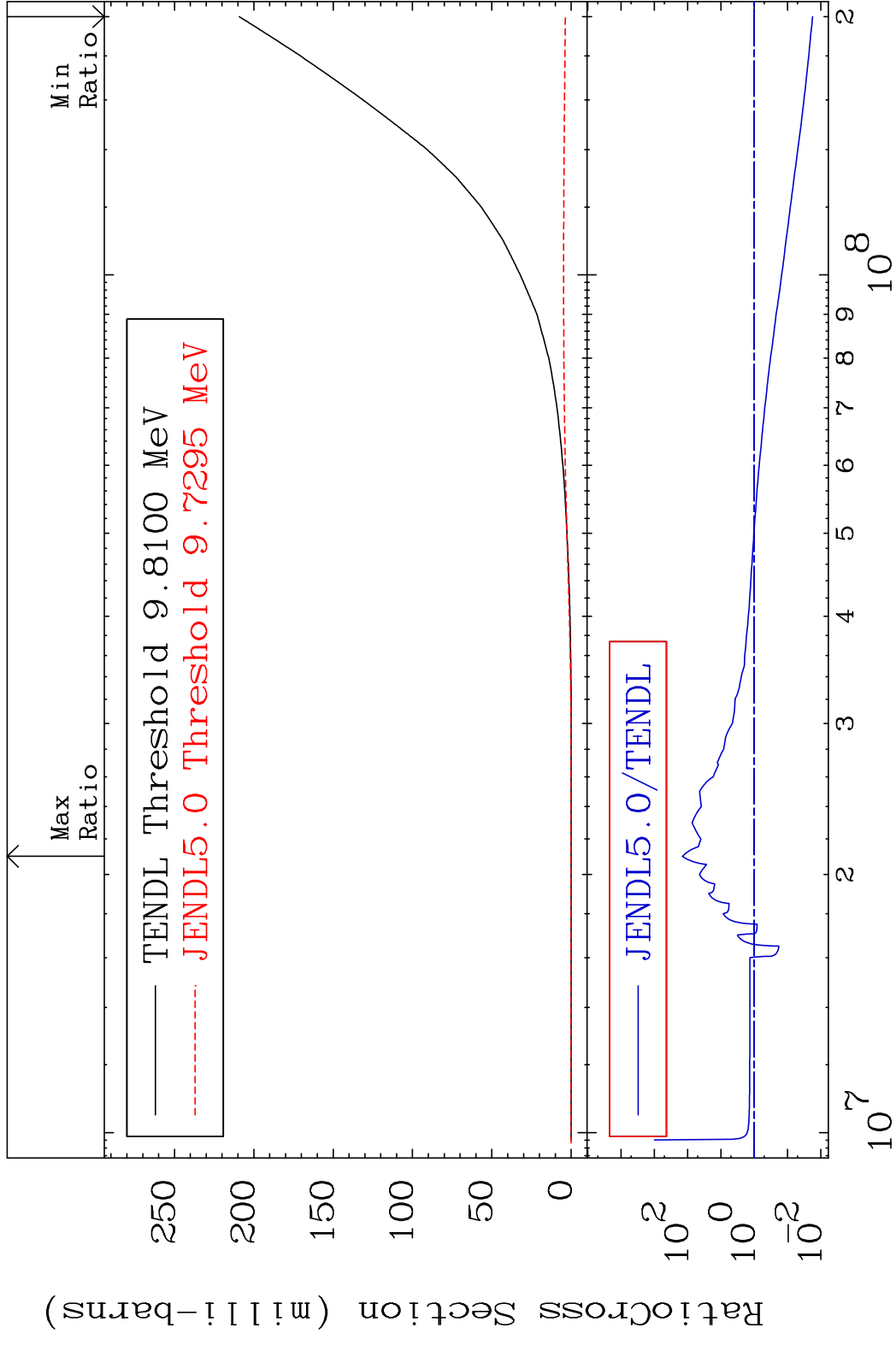
MAT 6655 Deuterium Production 66-Dy-166
 Cross Section -100.0 To 121.9 %



MAT 6655 Tritium Production 66-Dy-166
 Cross Section -100.0 To 191.4 %



MAT 6655 He-3 Production 66-Dy-166
 Cross Section -98.24 To 9999. %



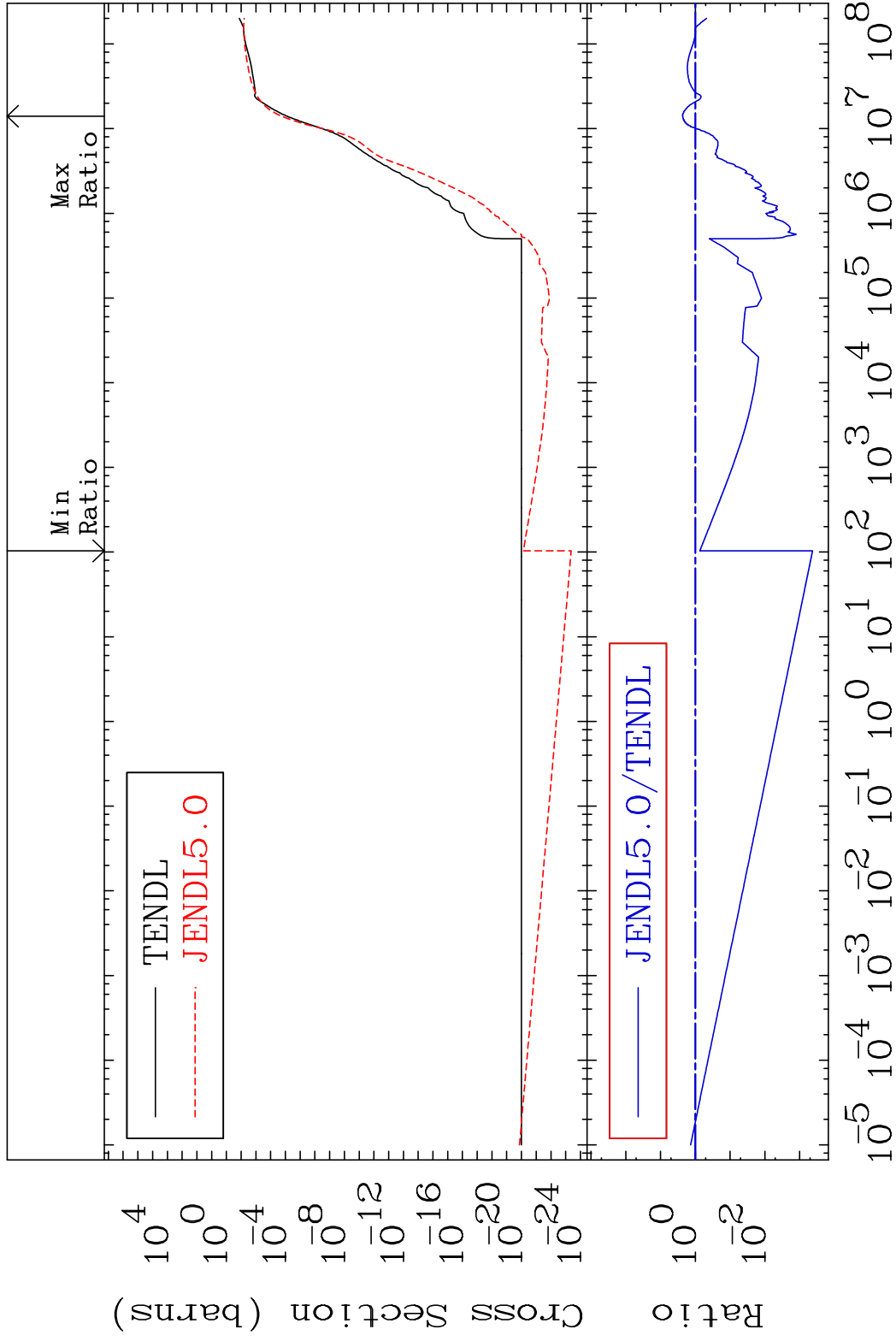
40 66-Dy-166

MAT 6655

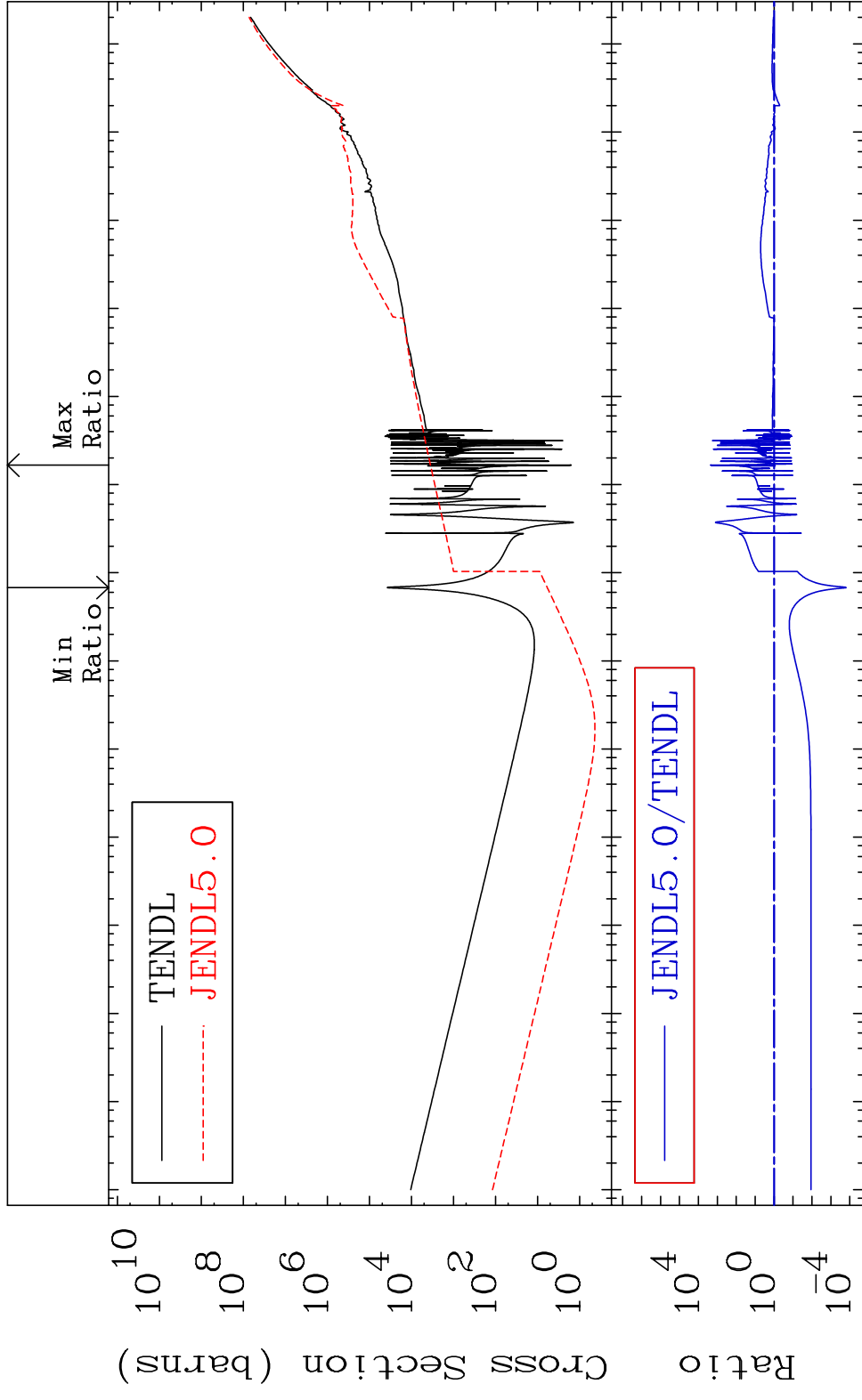
He-4 Production

66-Dy-166

Cross Section -99.96 To 135.4 %



MAT 6655 Kerma total (eV-barns) 66-Dy-166
 Cross Section -99.98 To 9999. %



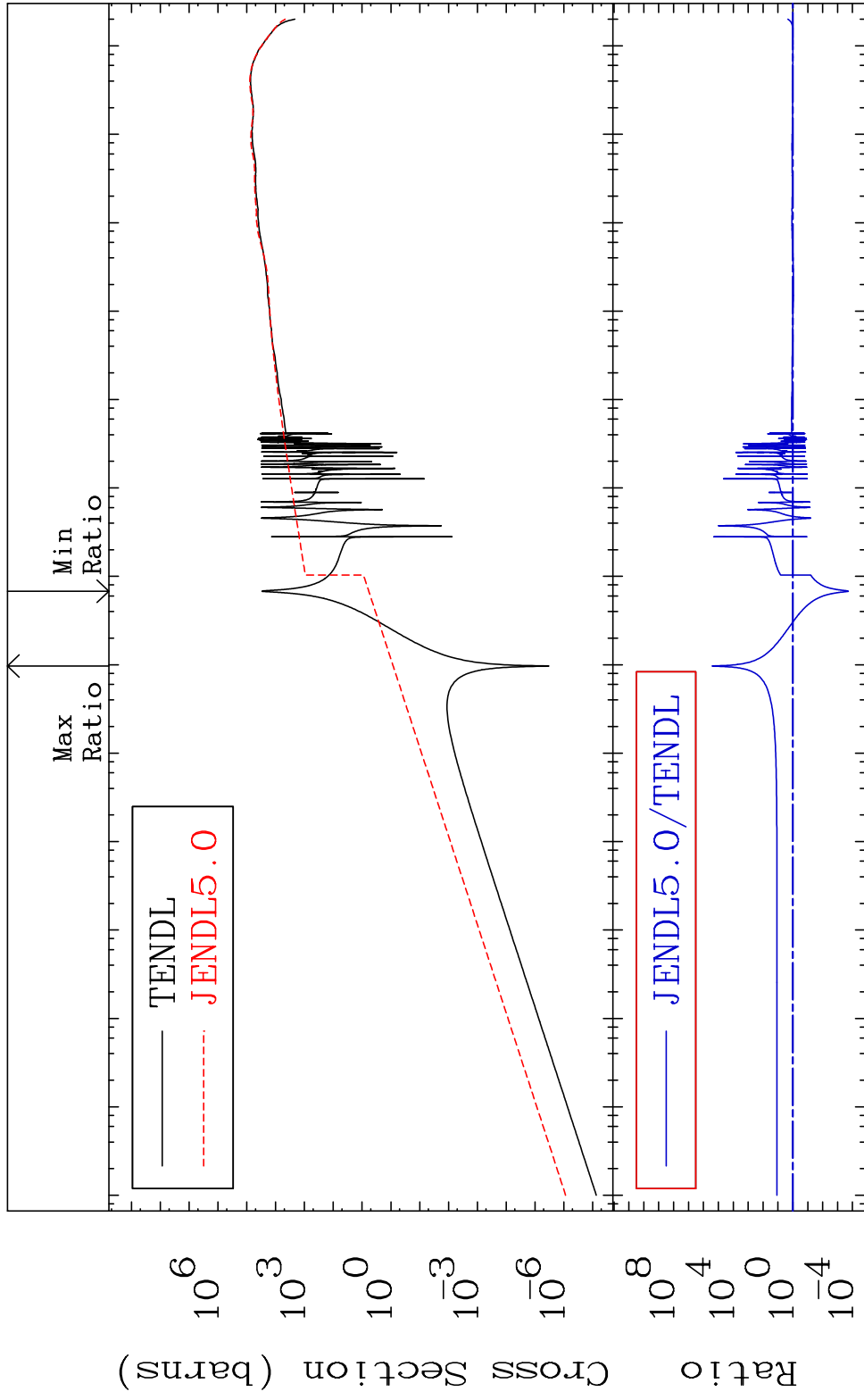
42 Incident Energy (eV) 66-Dy-166

MAT 6655

Kerma elastic

66-Dy-166

Cross Section -99.98 To 9999. %

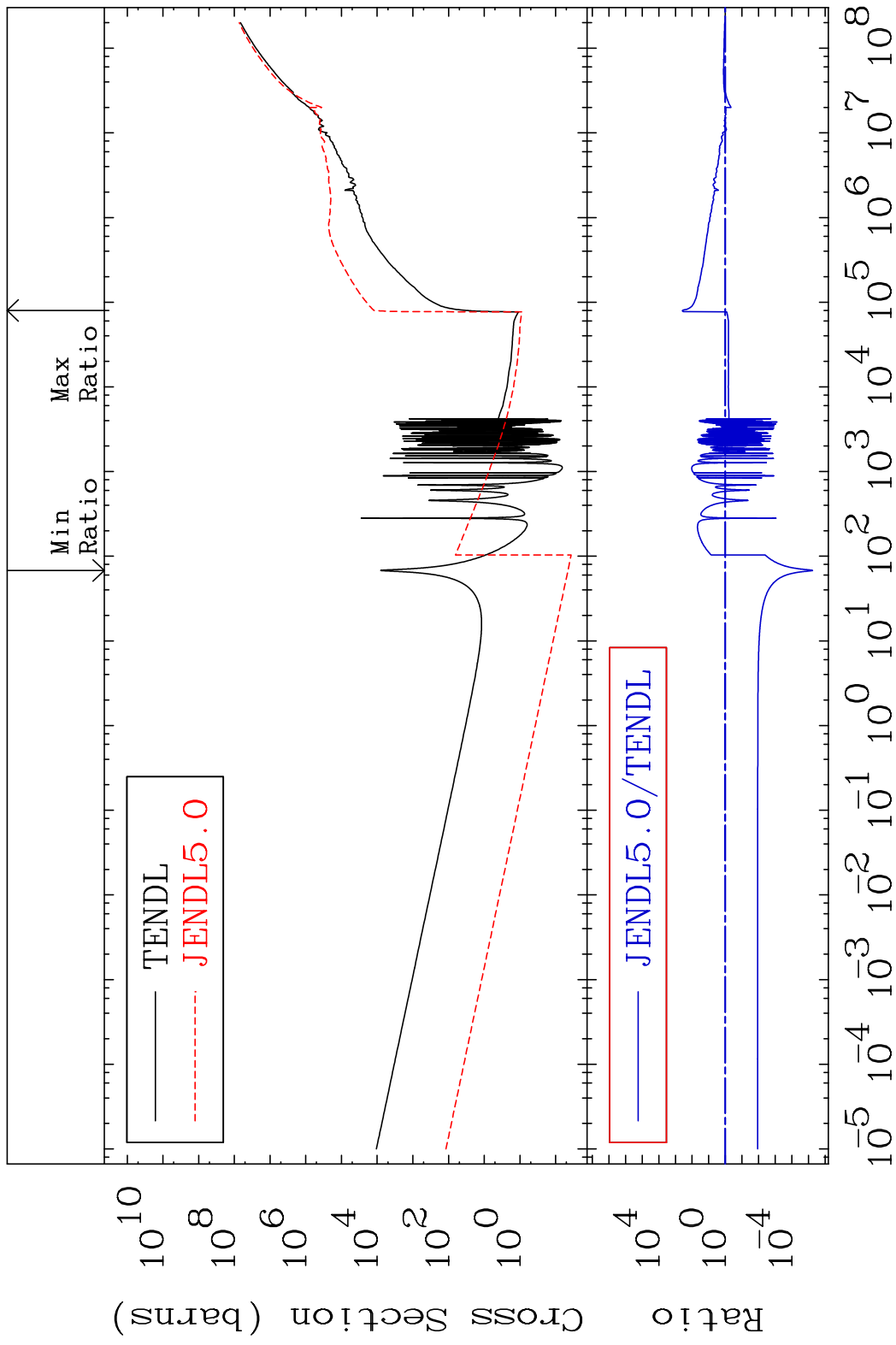


43

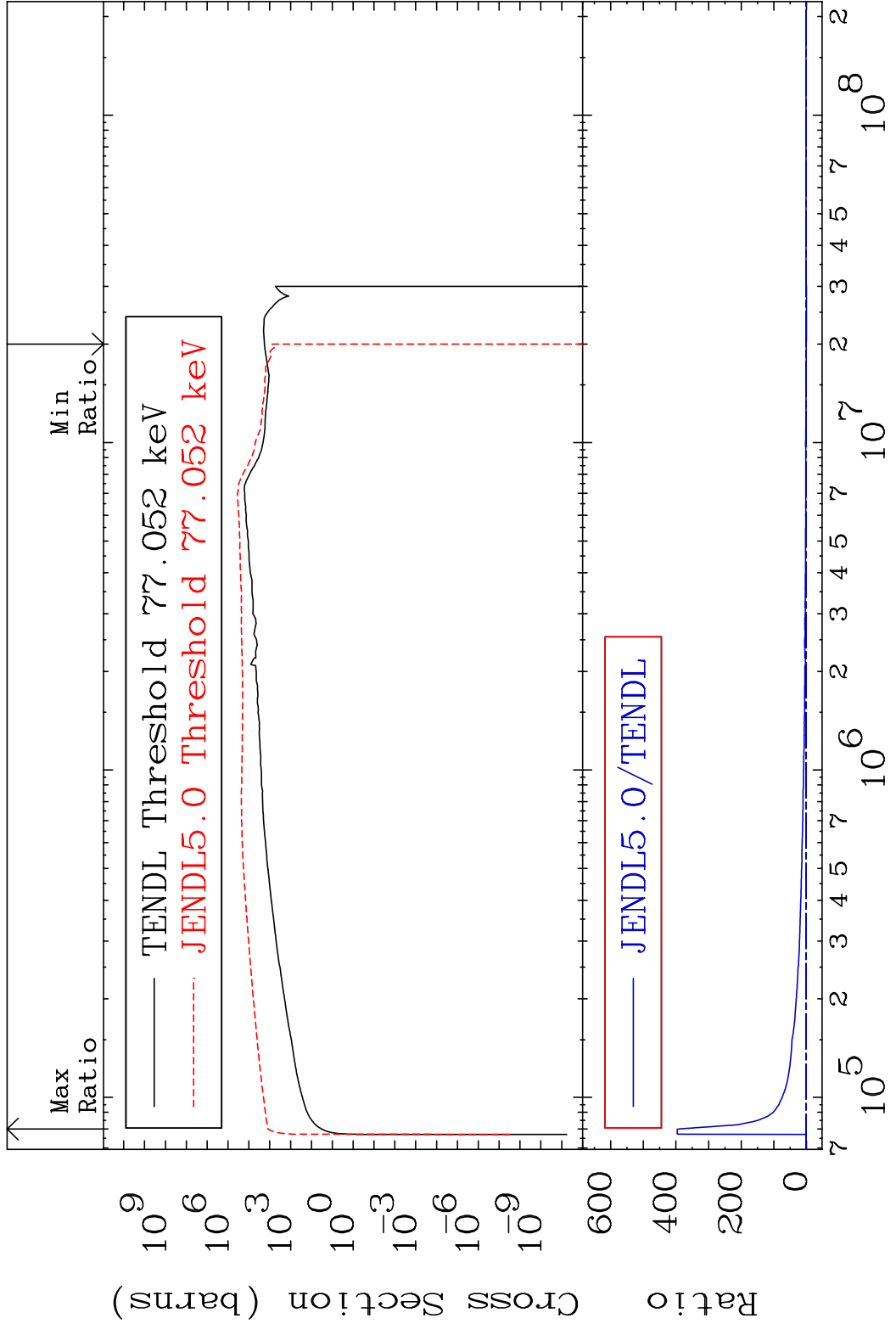
Incident Energy (eV)

66-Dy-166

MAT 6655 Kerma non-elastic (all but mt2) 66-Dy-166
 Cross Section -100.0 To 9999. %

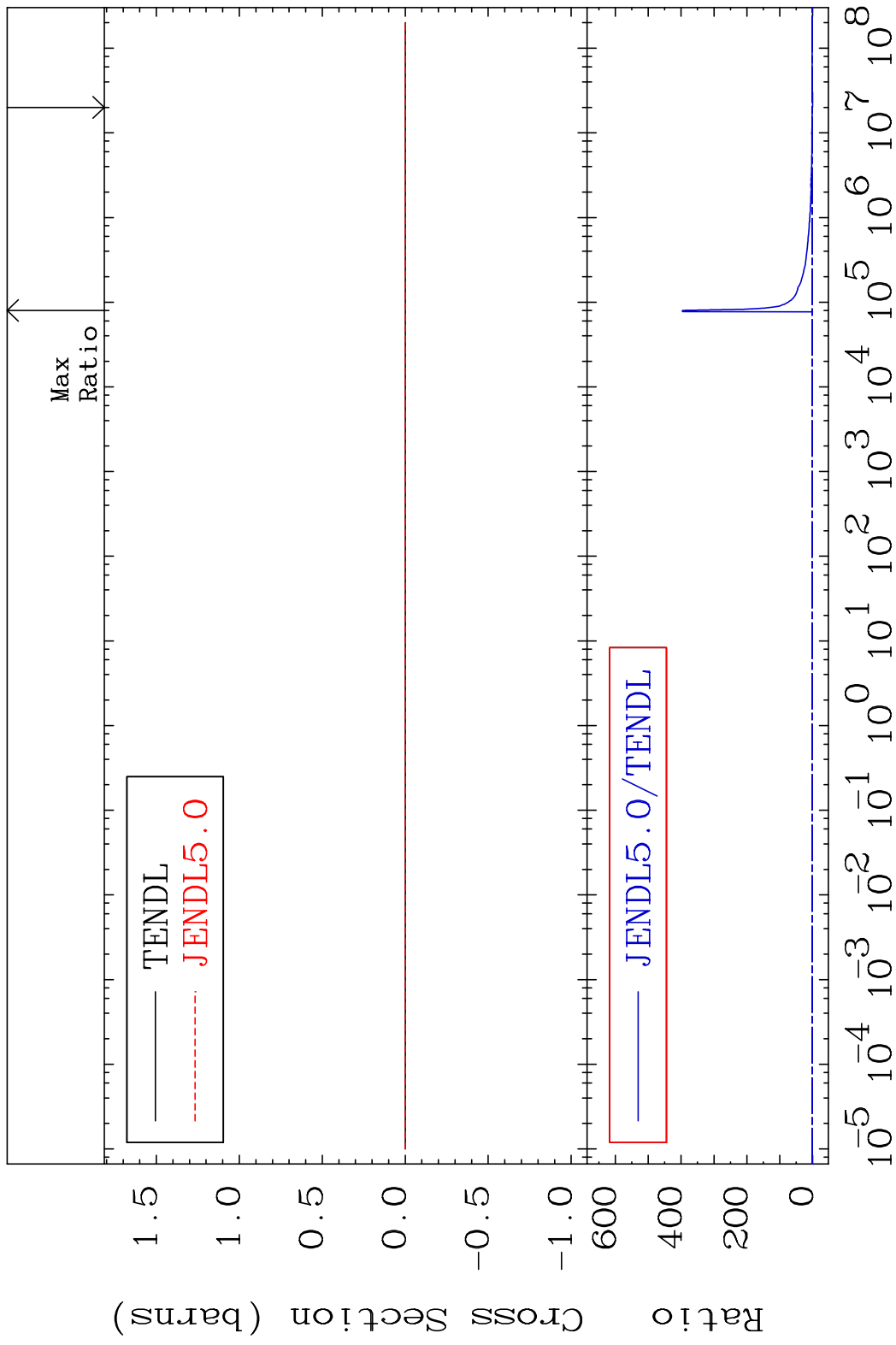


MAT 6655 Kerma inelastic (mt51-91) 66-Dy-166
 Cross Section -100.0 To 9999. %

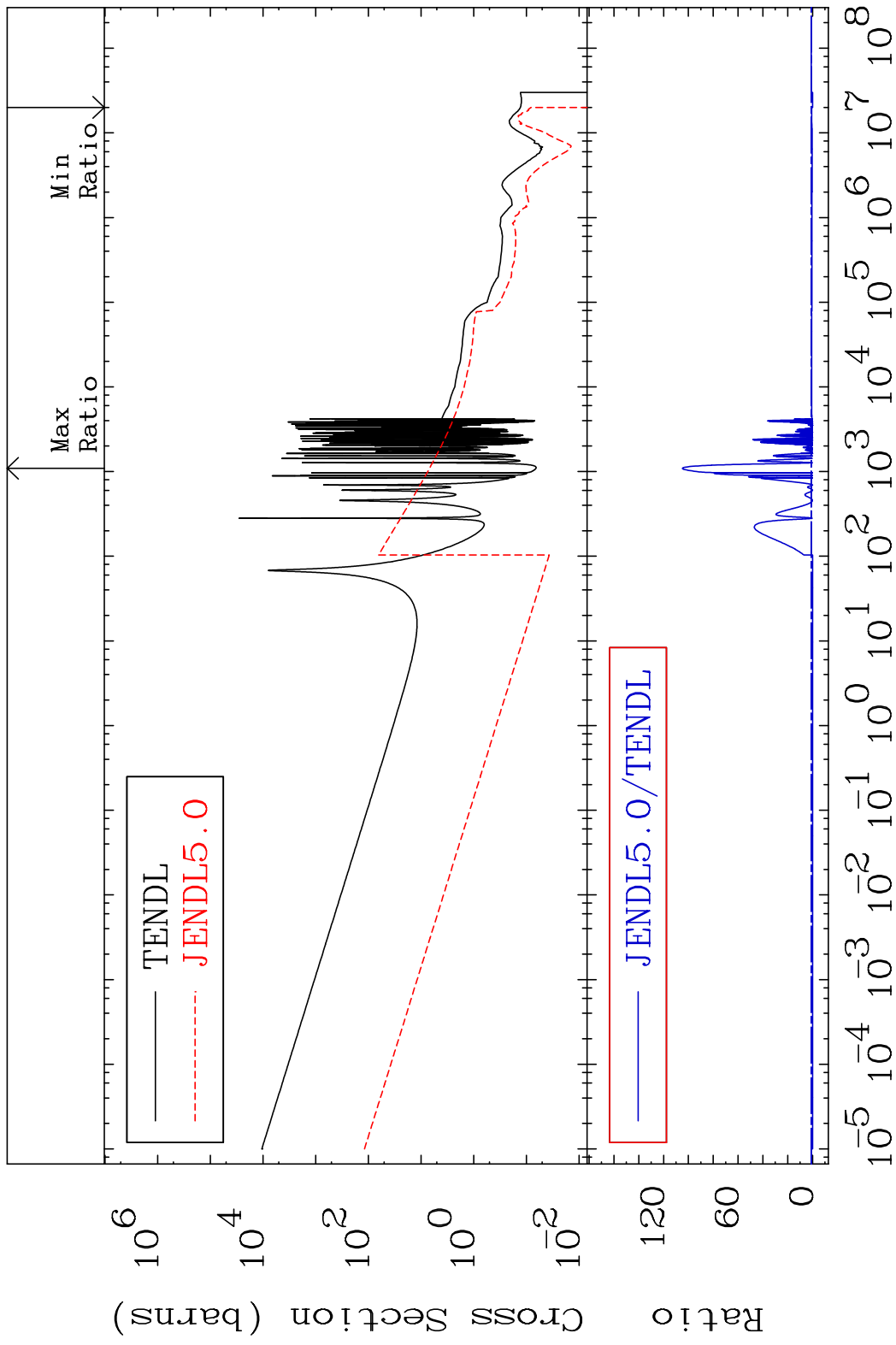


45 Incident Energy (eV) 66-Dy-166

MAT 6655 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-166
 Cross Section -100.0 To 9999. %

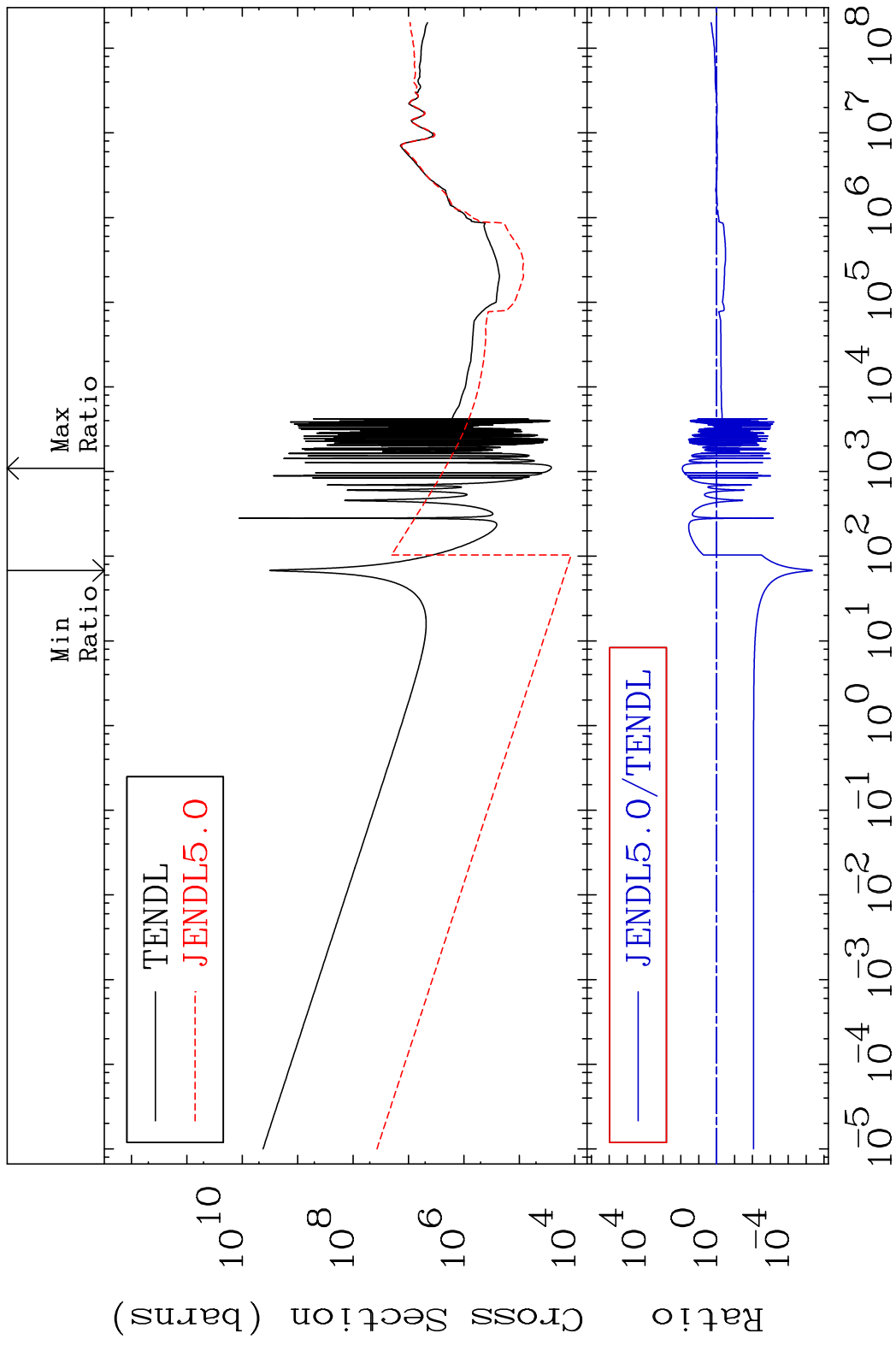


MAT 6655 Kerma capture (mt102) 66-Dy-166
 Cross Section -100.0 To 9999. %



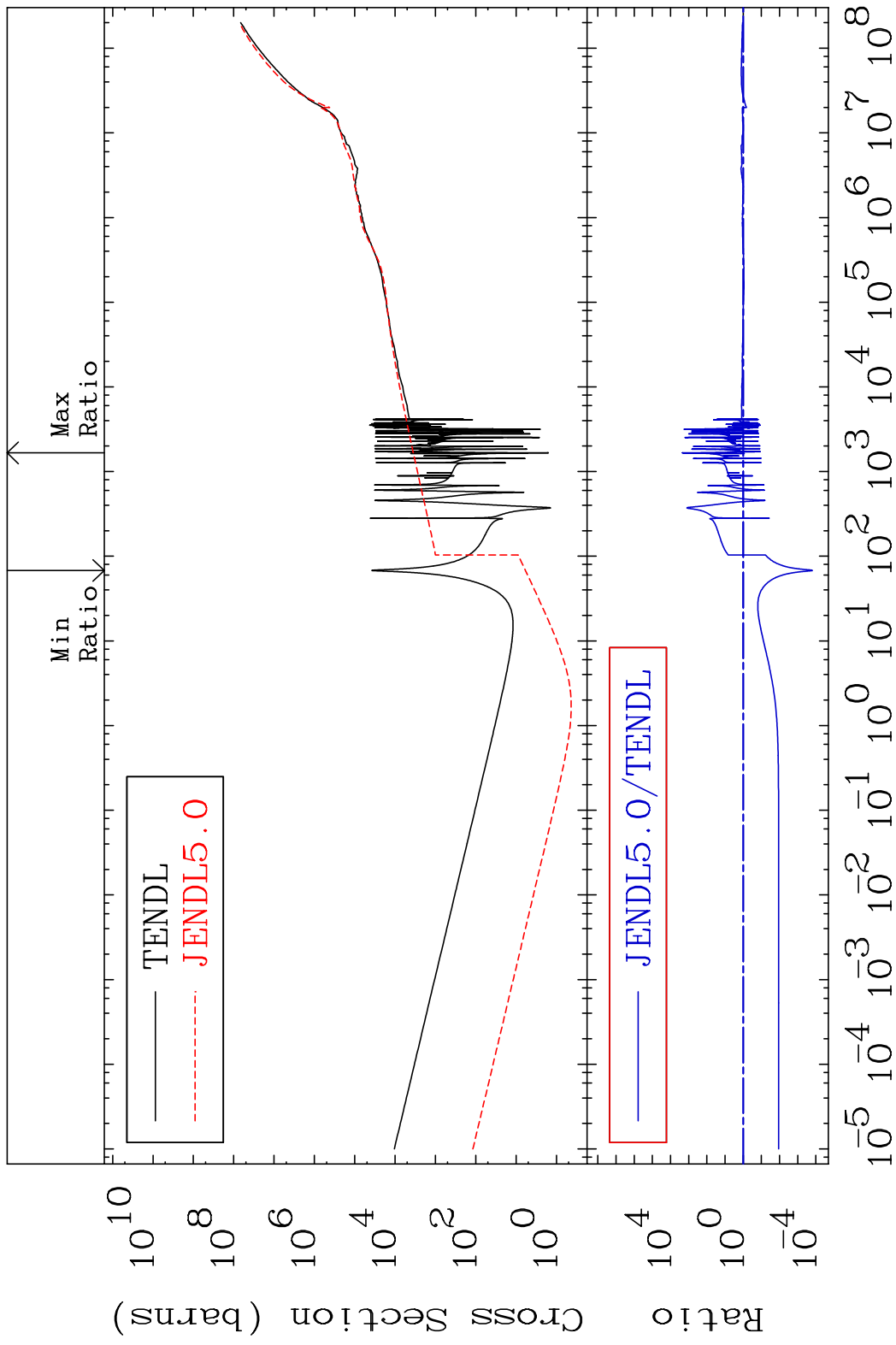
47 Incident Energy (eV) 66-Dy-166

MAT 6655 Total photon (eV-barns) 66-Dy-166
Cross Section -100.0 To 8189. %

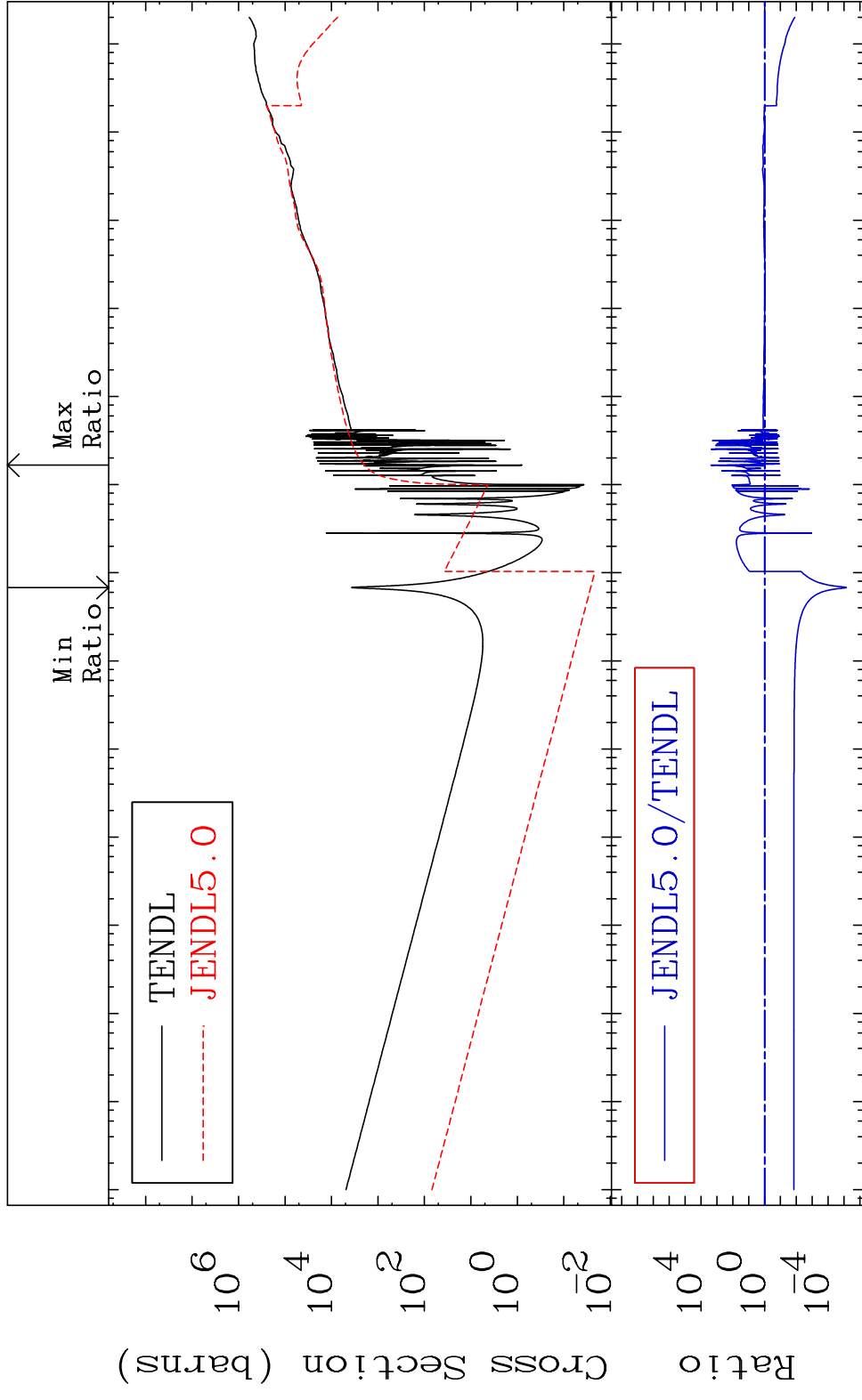


48 Incident Energy (eV) 66-Dy-166

MAT 6655 Total kinematic kerma (high limit) 66-Dy-166
 Cross Section -99.98 To 9999. %



MAT 6655 Dpa total (eV-barns) 66-Dy-166
 Cross Section -100.0 To 9999. %

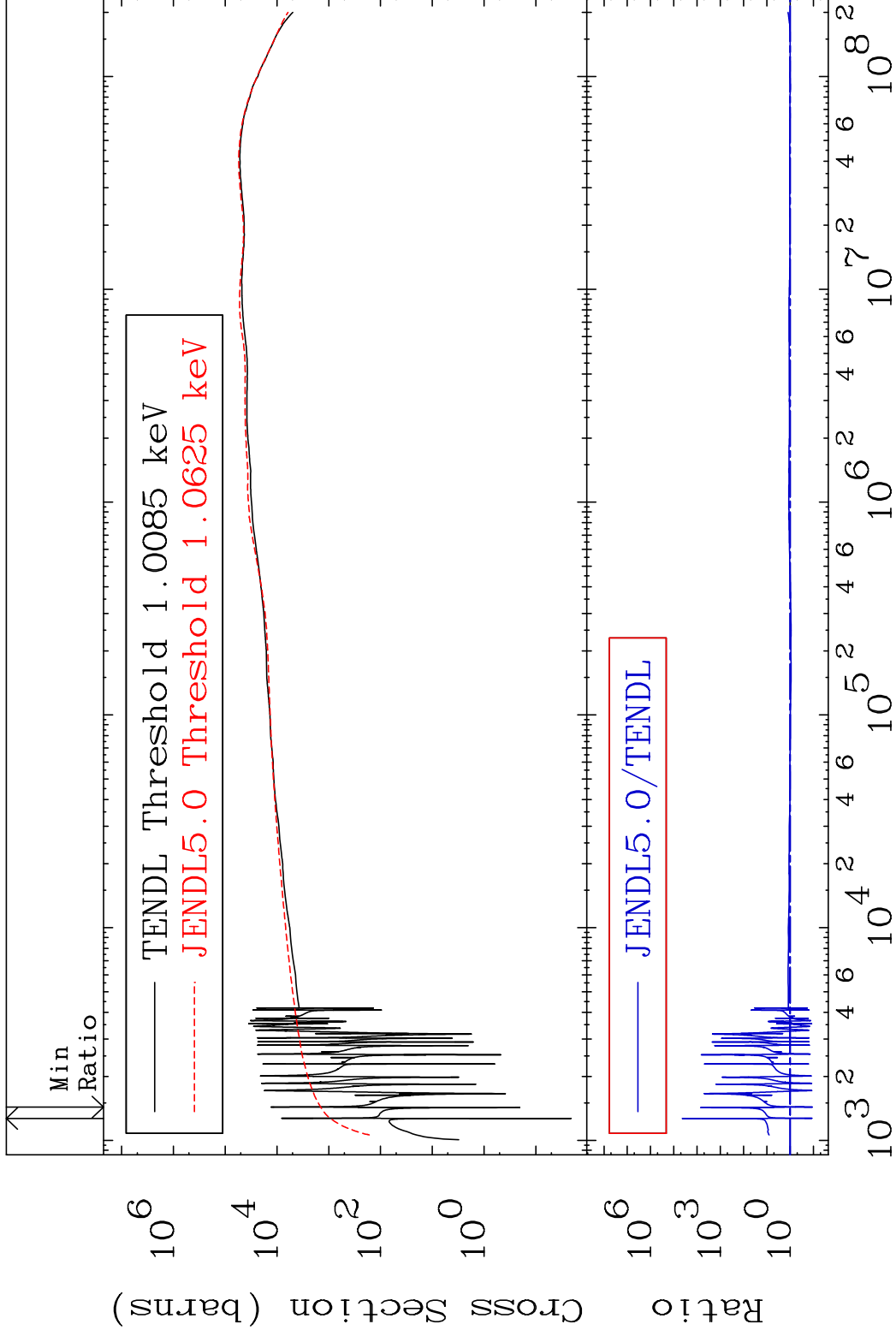


MAT 6655

Dpa elastic (mt2)

66-Dy-166

Cross Section -88.94 To 9999. %

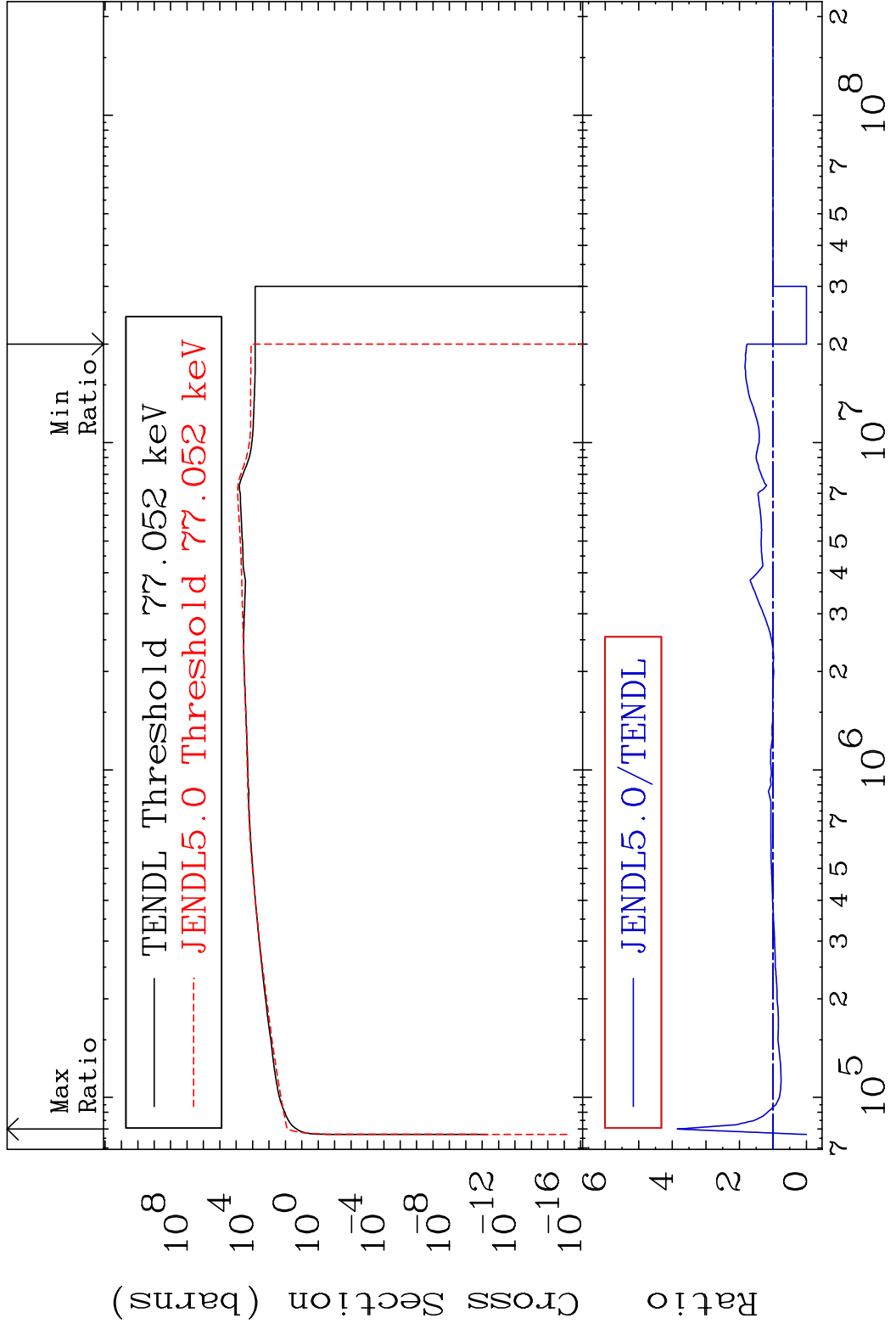


51

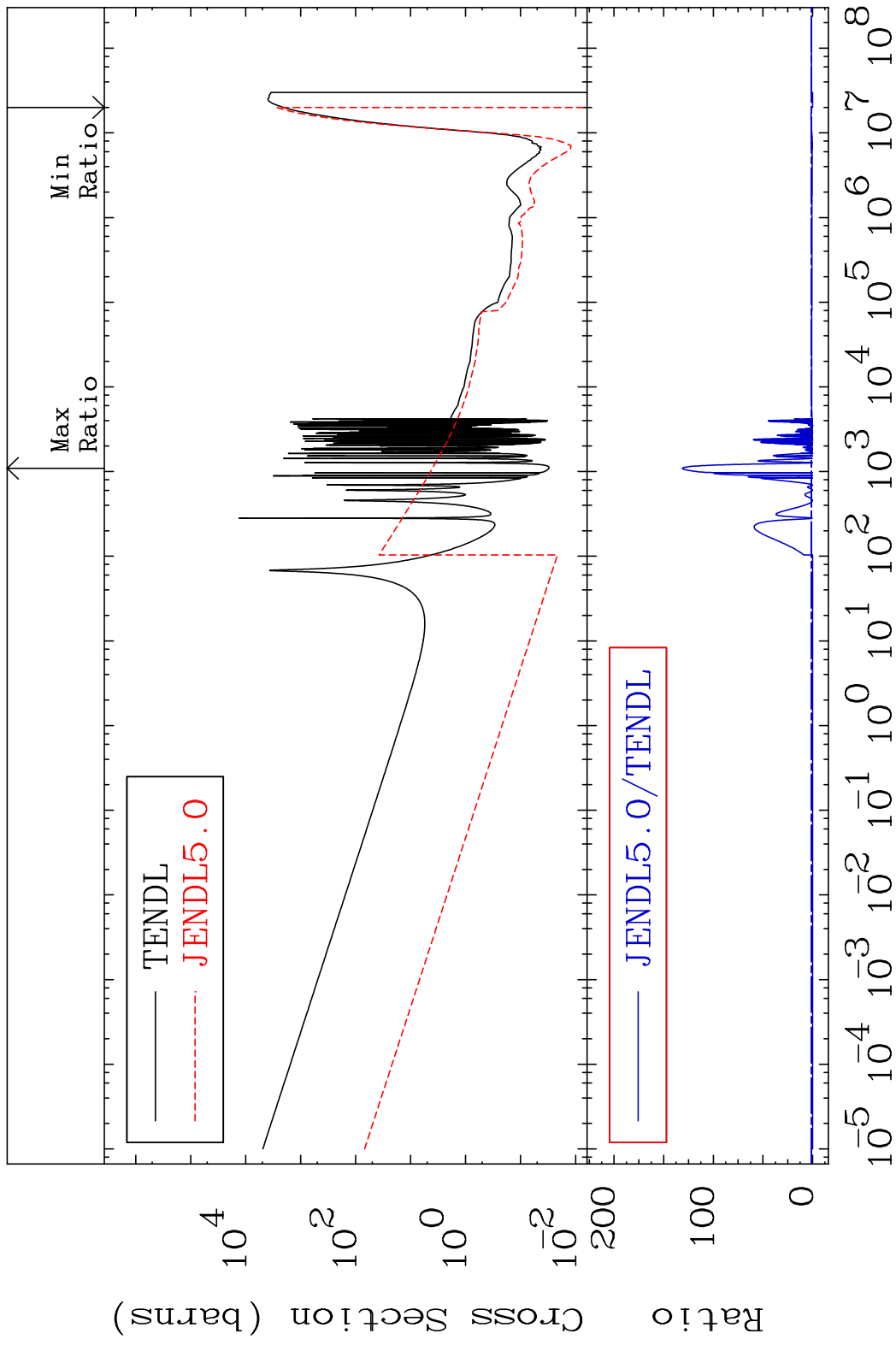
Incident Energy (eV)

66-Dy-166

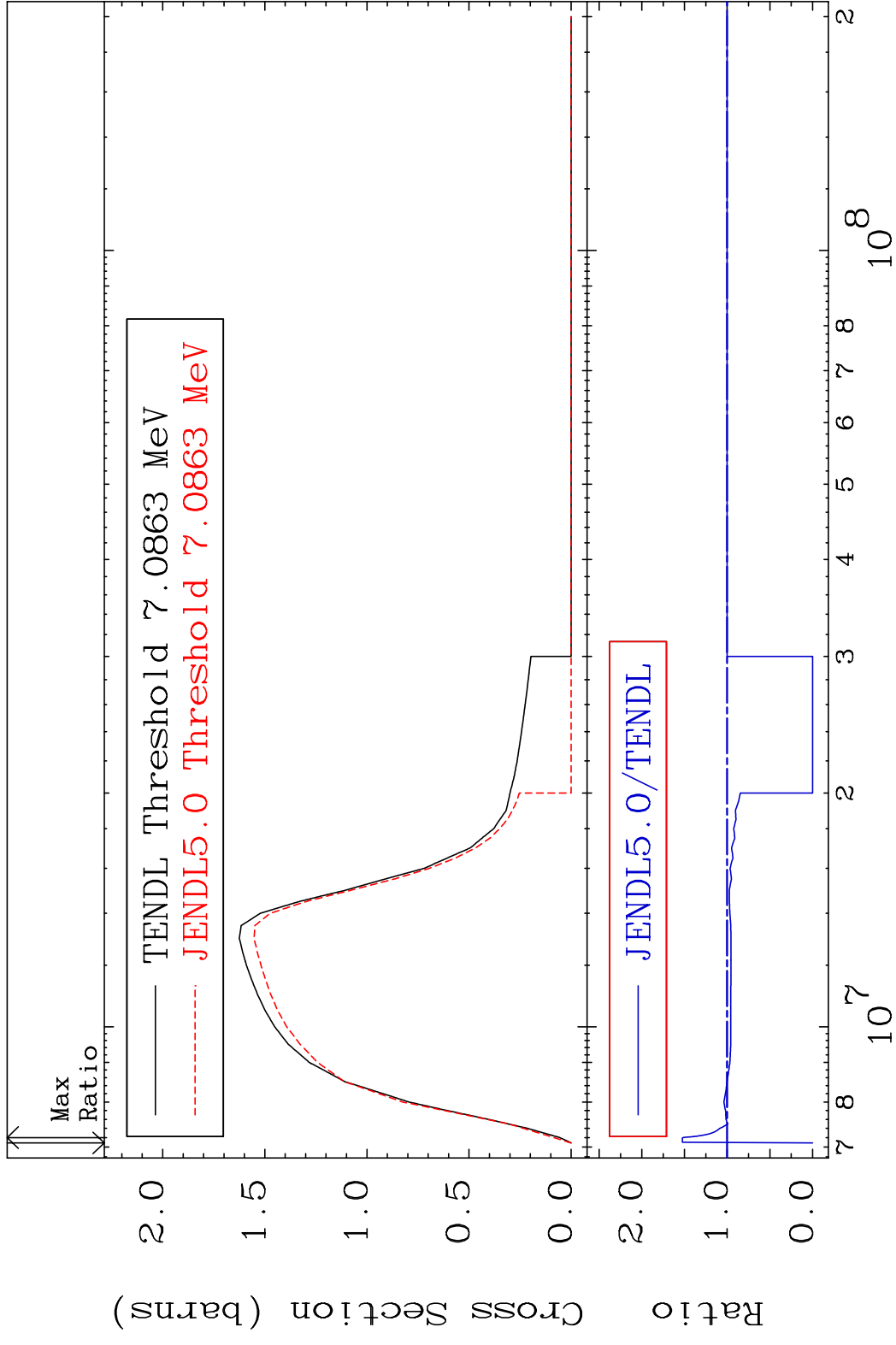
MAT 6655 Dpa inelastic (mt51-91) 66-Dy-166
 Cross Section -100.0 To 285.5 %



MAT 6655 Dpa disappearance (mt102 -120) 66-Dy-166
 Cross Section -100.0 To 9999. %



MAT 6655 (n,2n):66-Dy-165g 66-Dy-166
 Radionuclide Production Cross Section 180.01 dth 52.52 %



MAT 6655 (n, 2n):66-Dy-165m2 66-Dy-166
 Radionuclide Production Cross Section Ratio 76.28 %

