

Program Complot
(Version 2018-1)

by

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U.S.A.

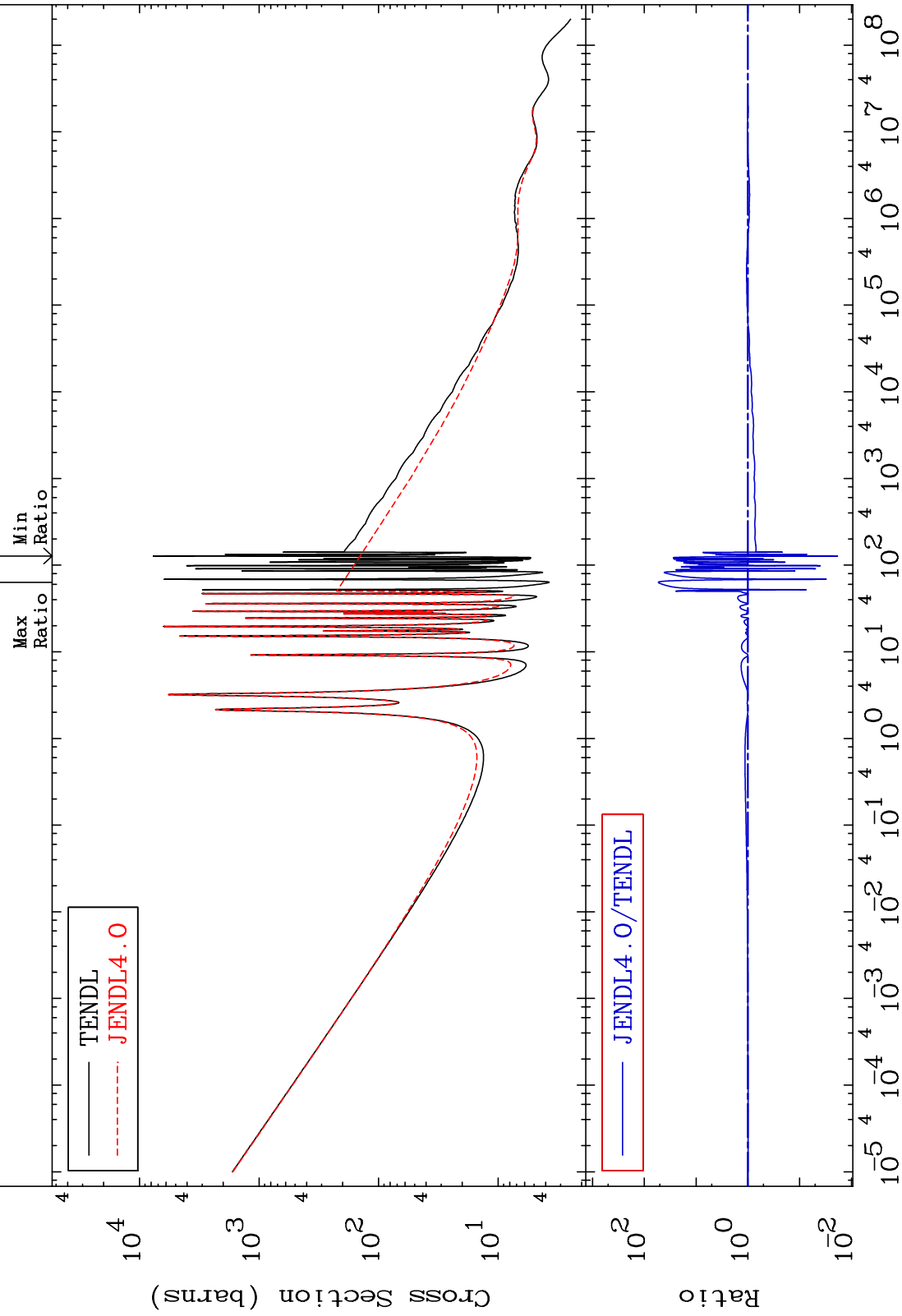
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6625 66-Dy-156 -98.15 To 5261. %

Total Cross Section



66-Dy-156

Incident Energy (eV)

1

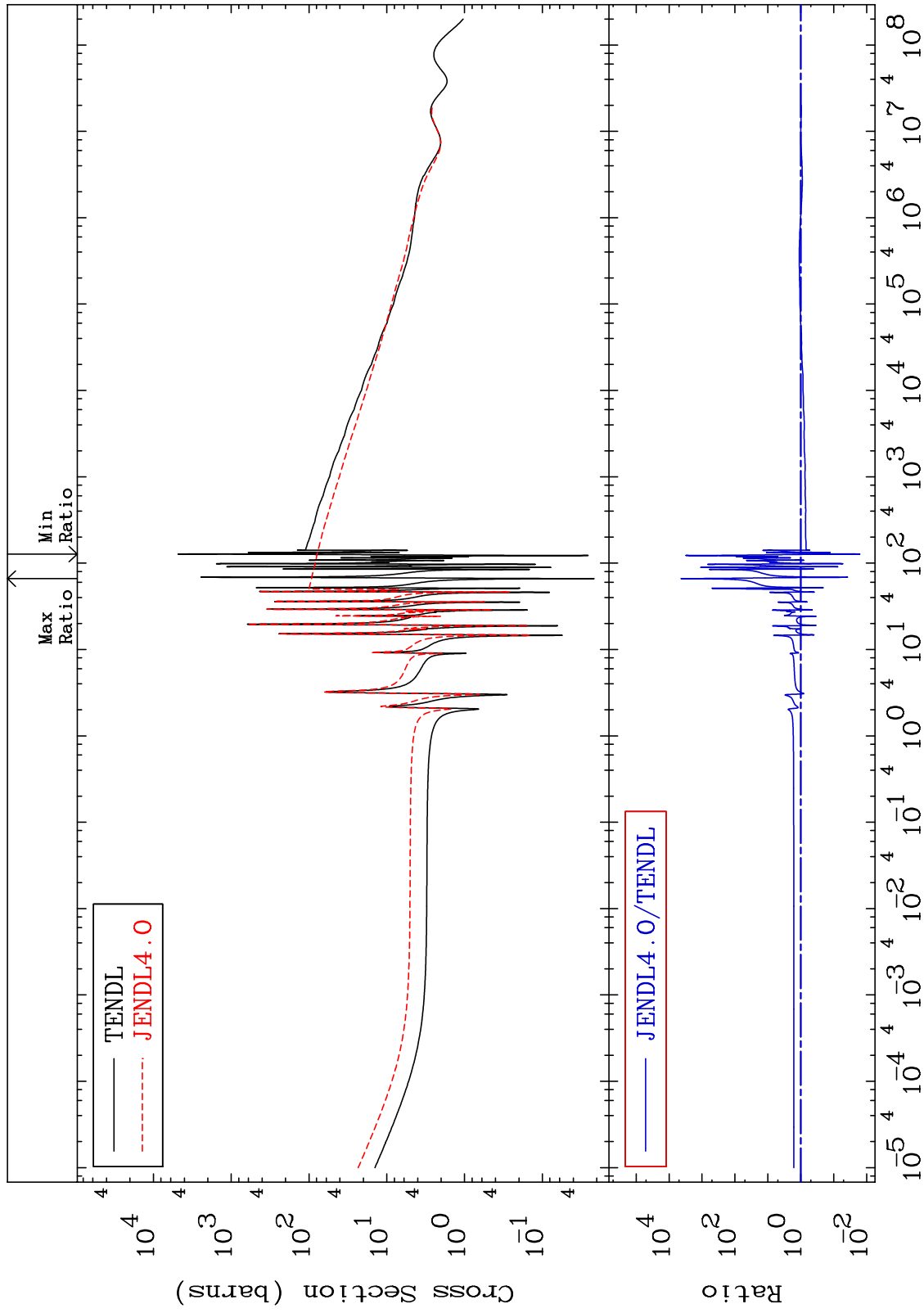
MAT 6625

Elastic

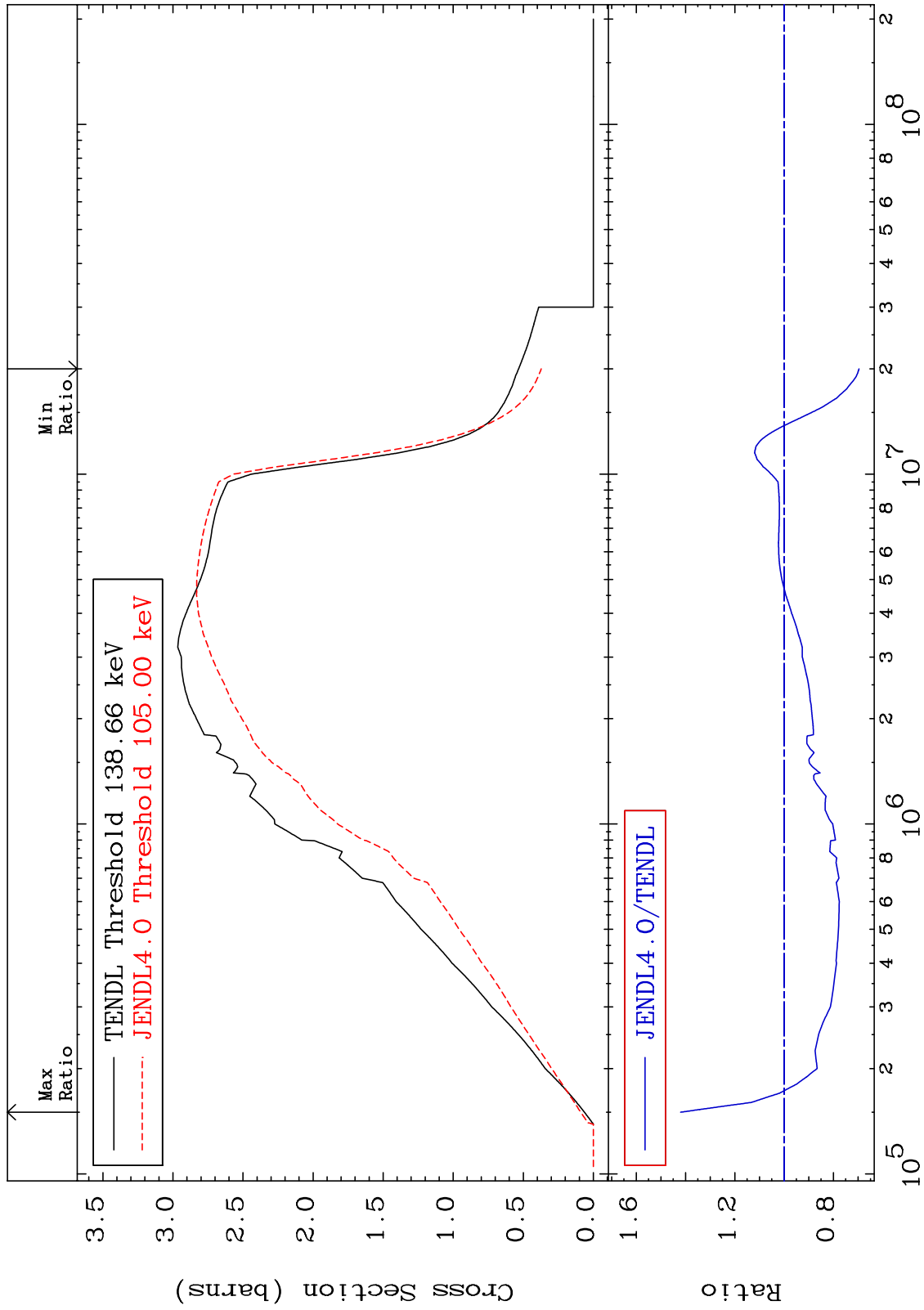
66-Dy-156

Cross Section

-98.38 To 9999. %



MAT 6625 Inelastic Cross Section 66-Dy-156 -30.37 To 41.99 %

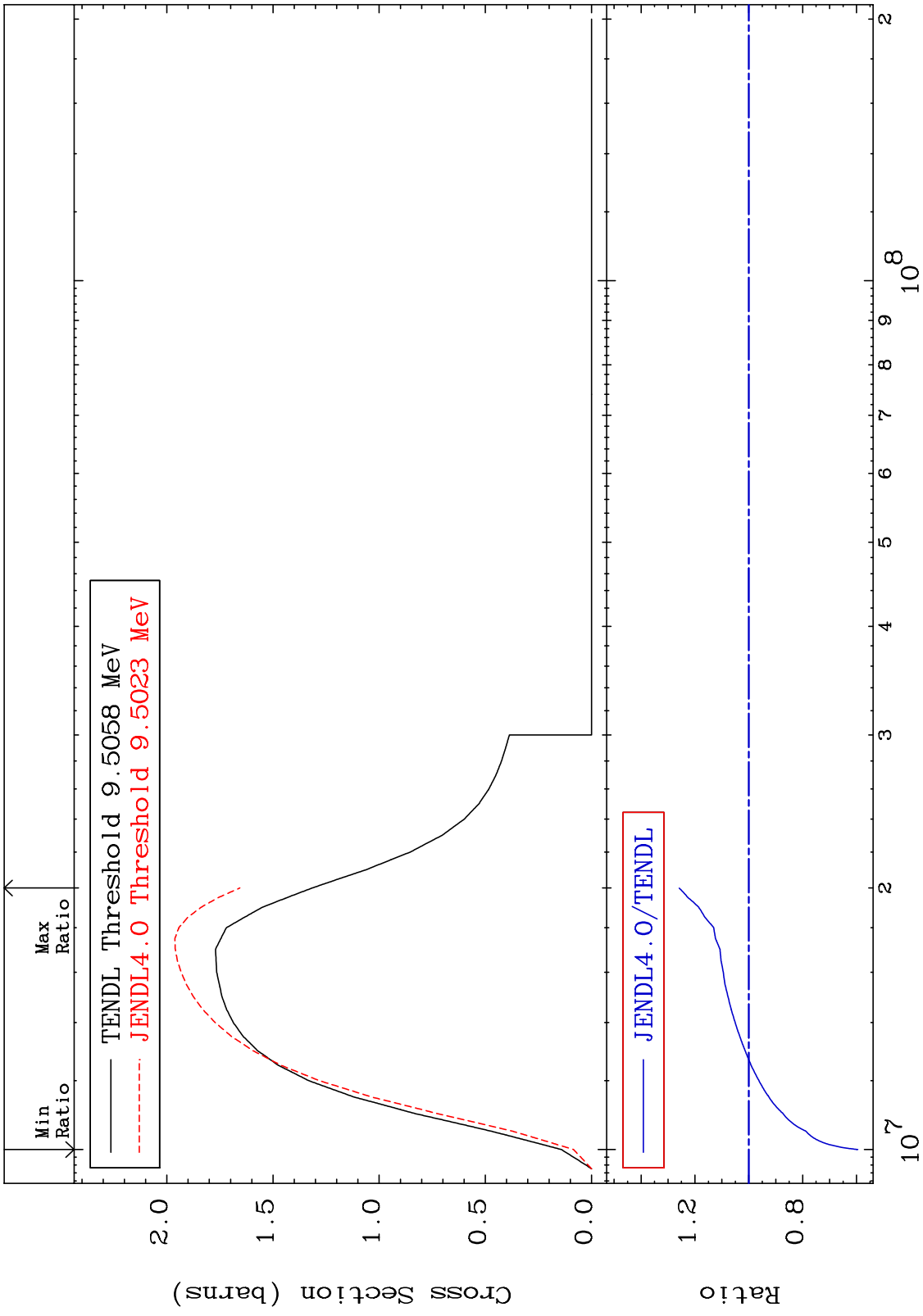


66-Dy-156

Incident Energy (eV)

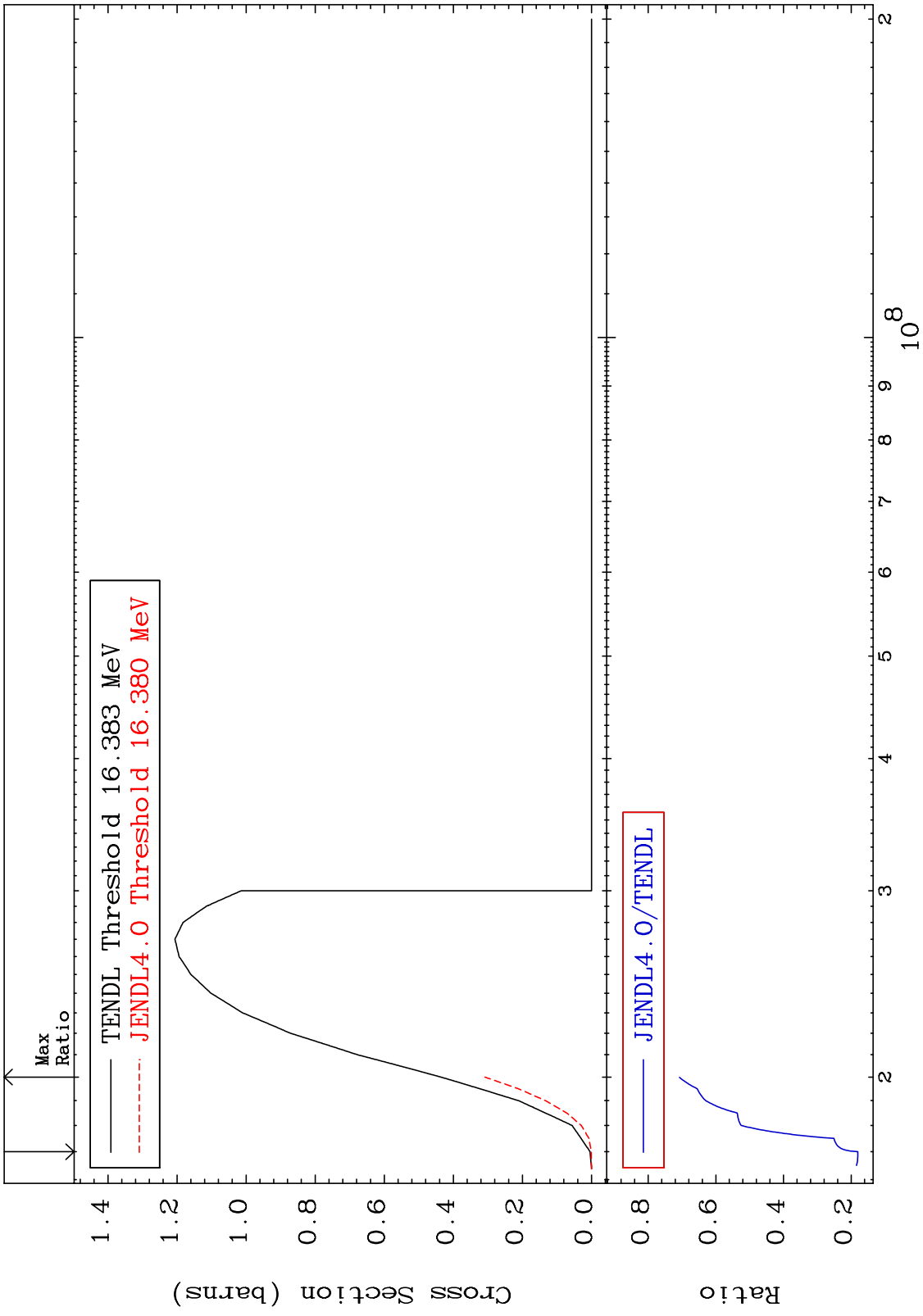
3

MAT 6625 (n,2n) Cross Section 66-Dy-156 -40.49 To 25.91 %



66-Dy-156

MAT 6625 (n,3n) Cross Section 66-Dy-156 -81.98 To -29.13%



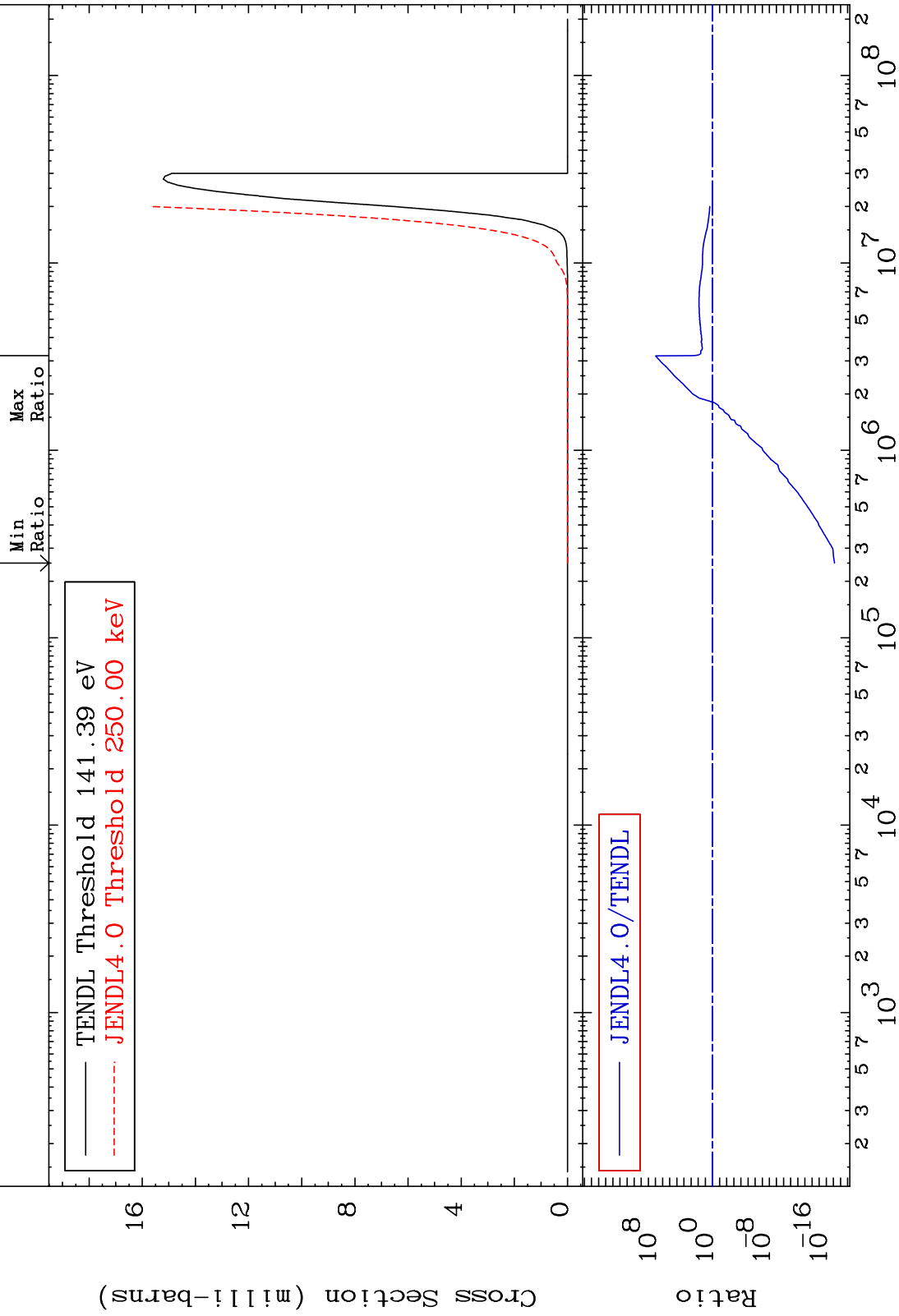
MAT 6625

(n,n') α

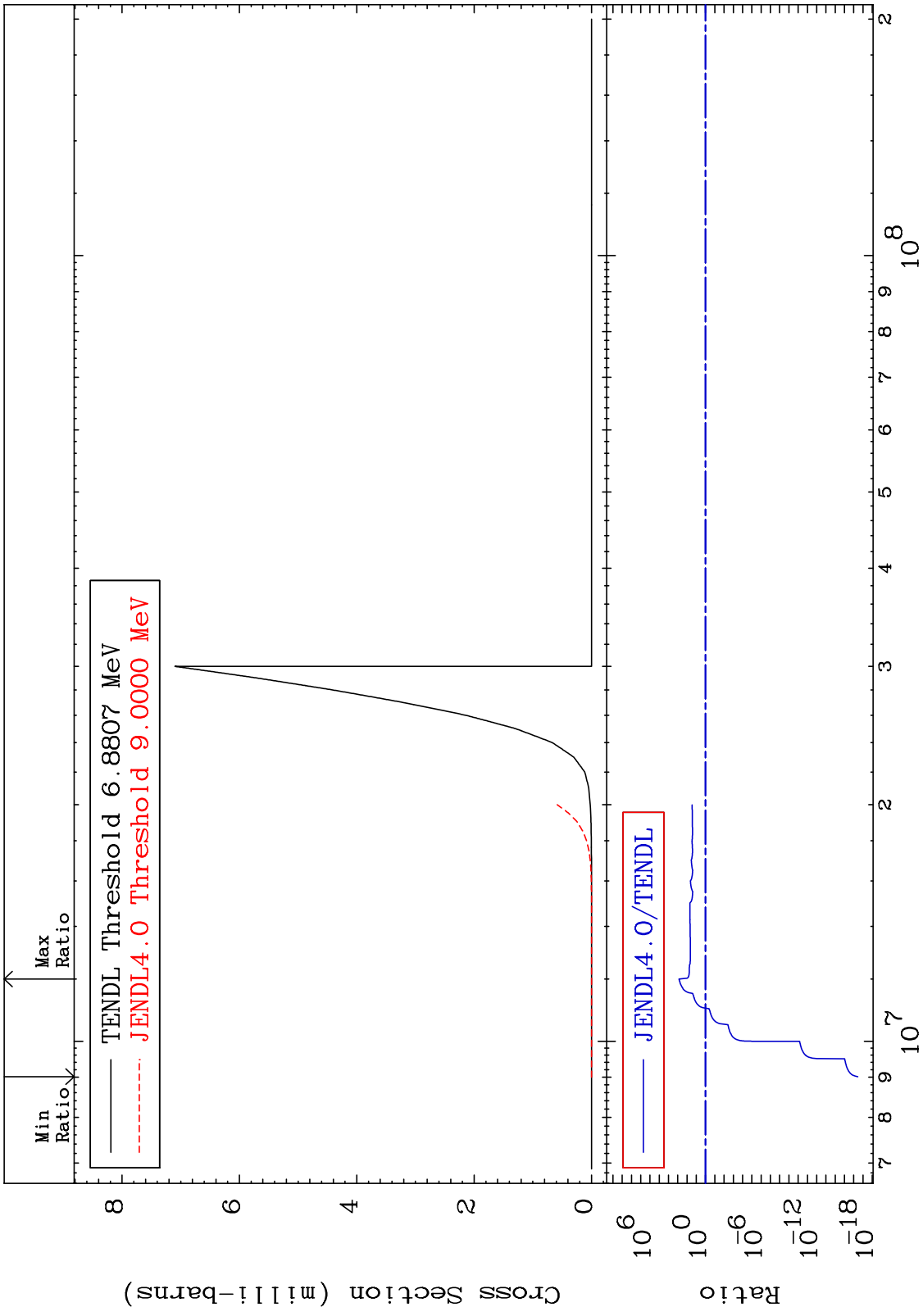
66-Dy-156

-100.0 To 9999. %

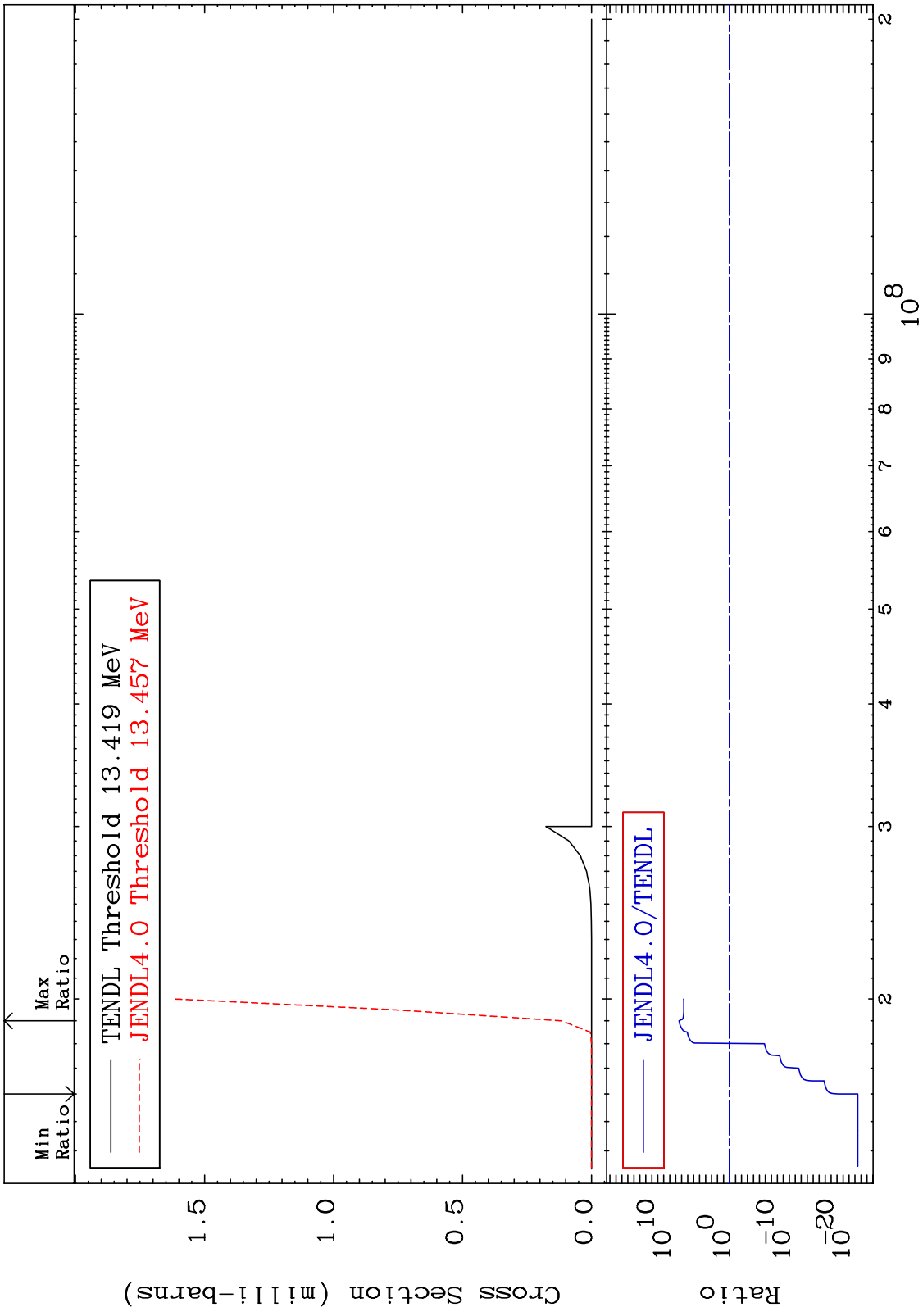
Cross Section



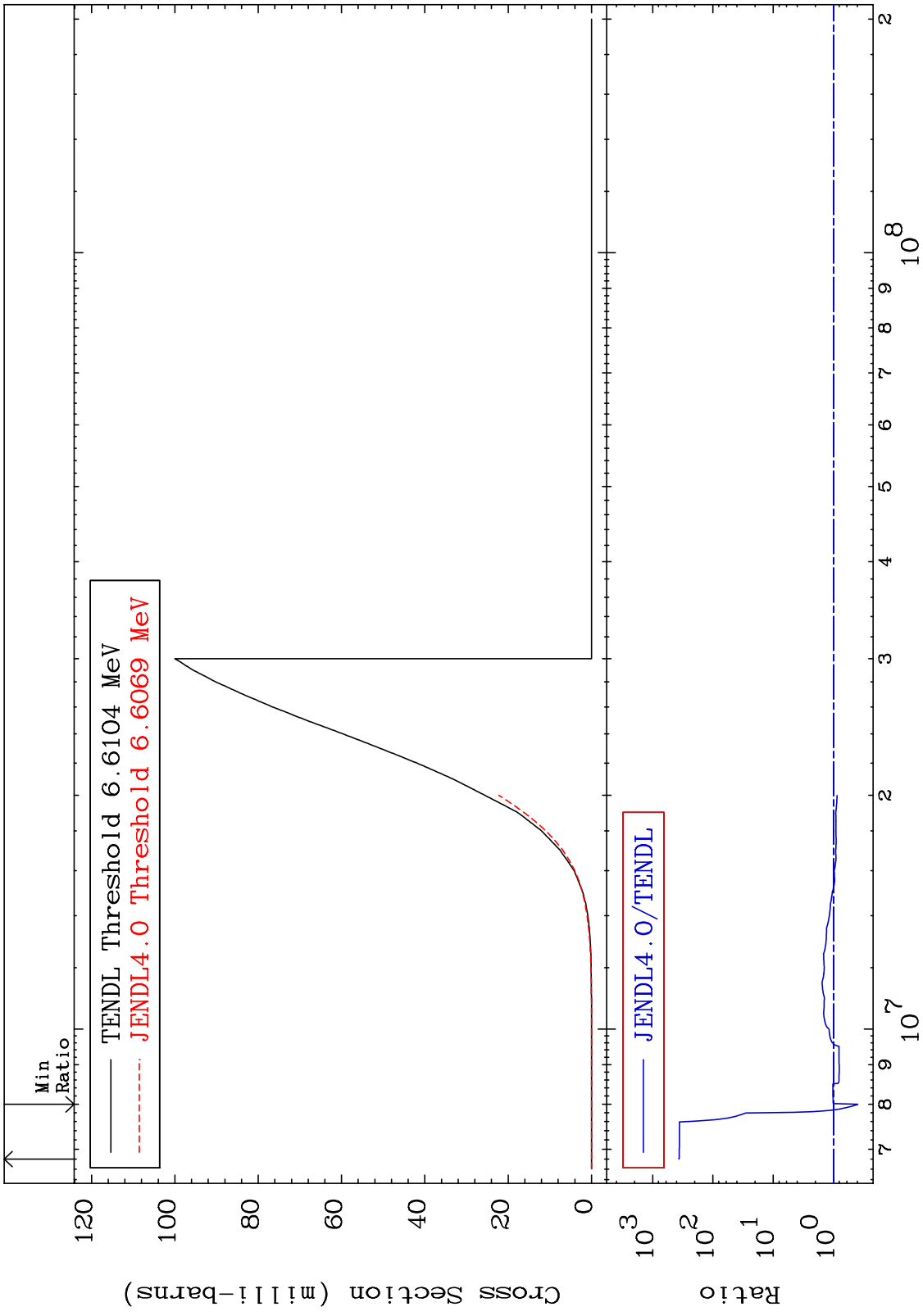
MAT 6625 $(n, 2n) \alpha$ 66-Dy-156
 Cross Section -100.0 To 9999. %



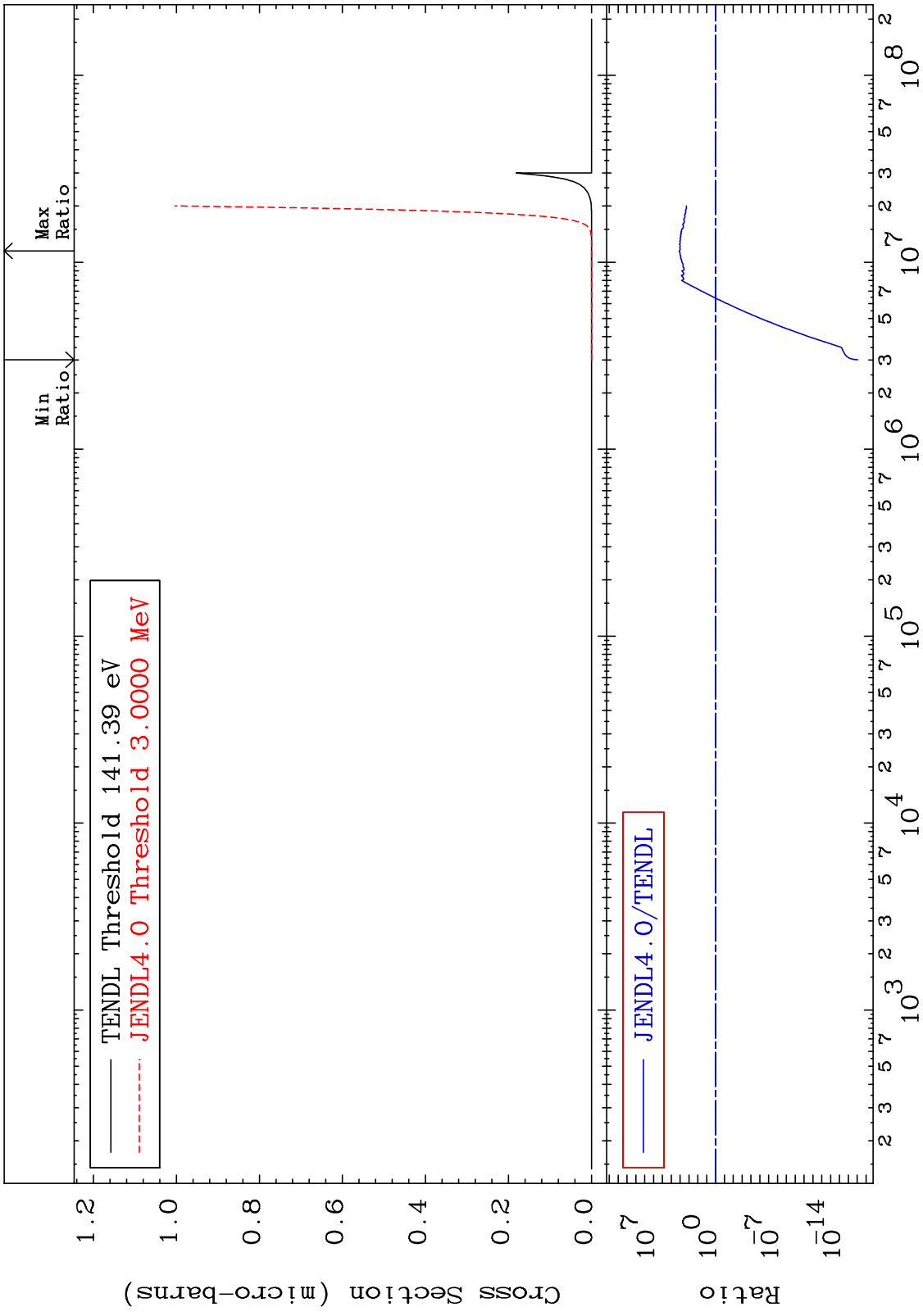
7 8 9 10⁷ 10⁸ 66-Dy-156



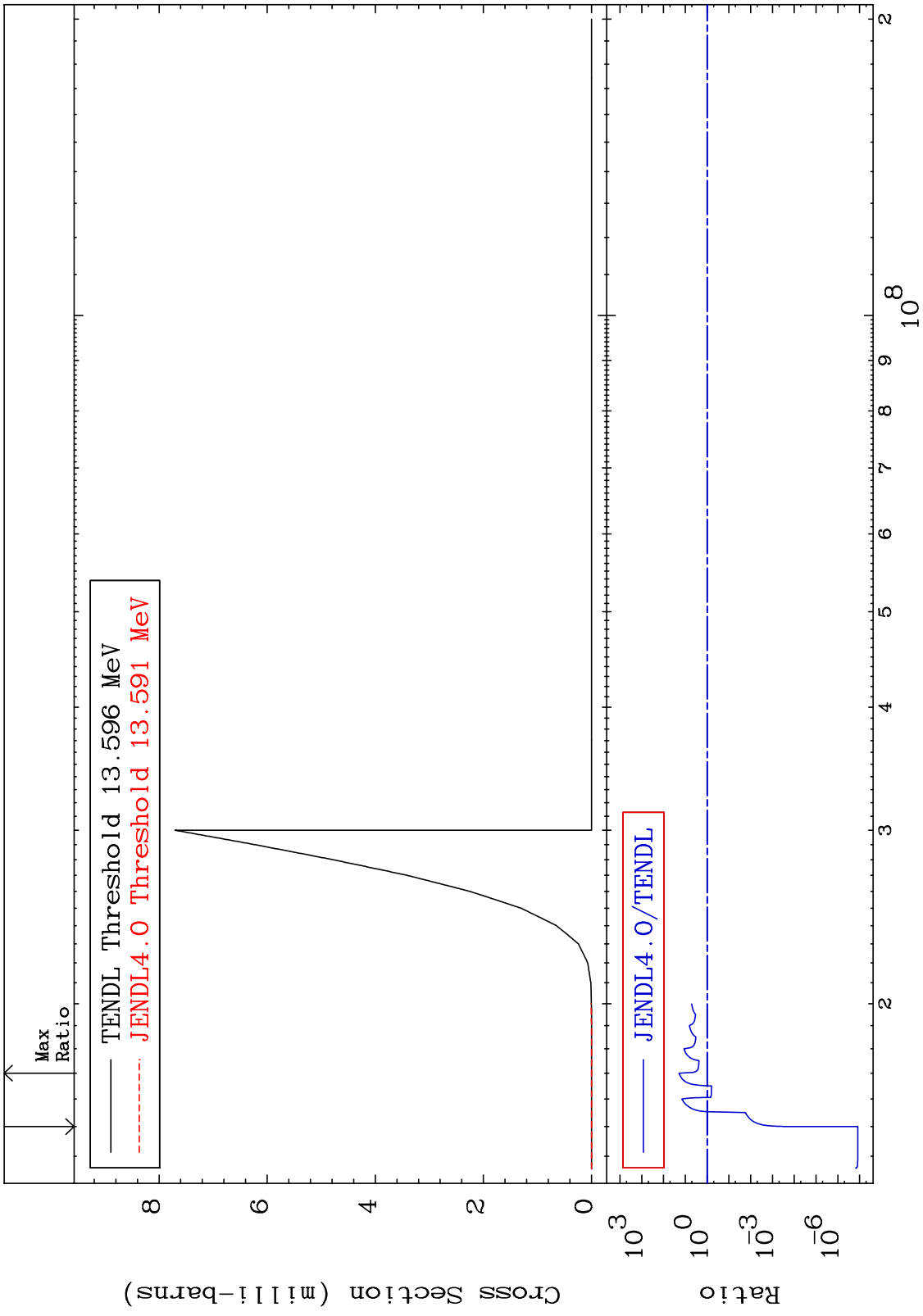
MAT 6625 (n,n') p 66-Dy-156
 Cross Section -60.65 To 9999. %



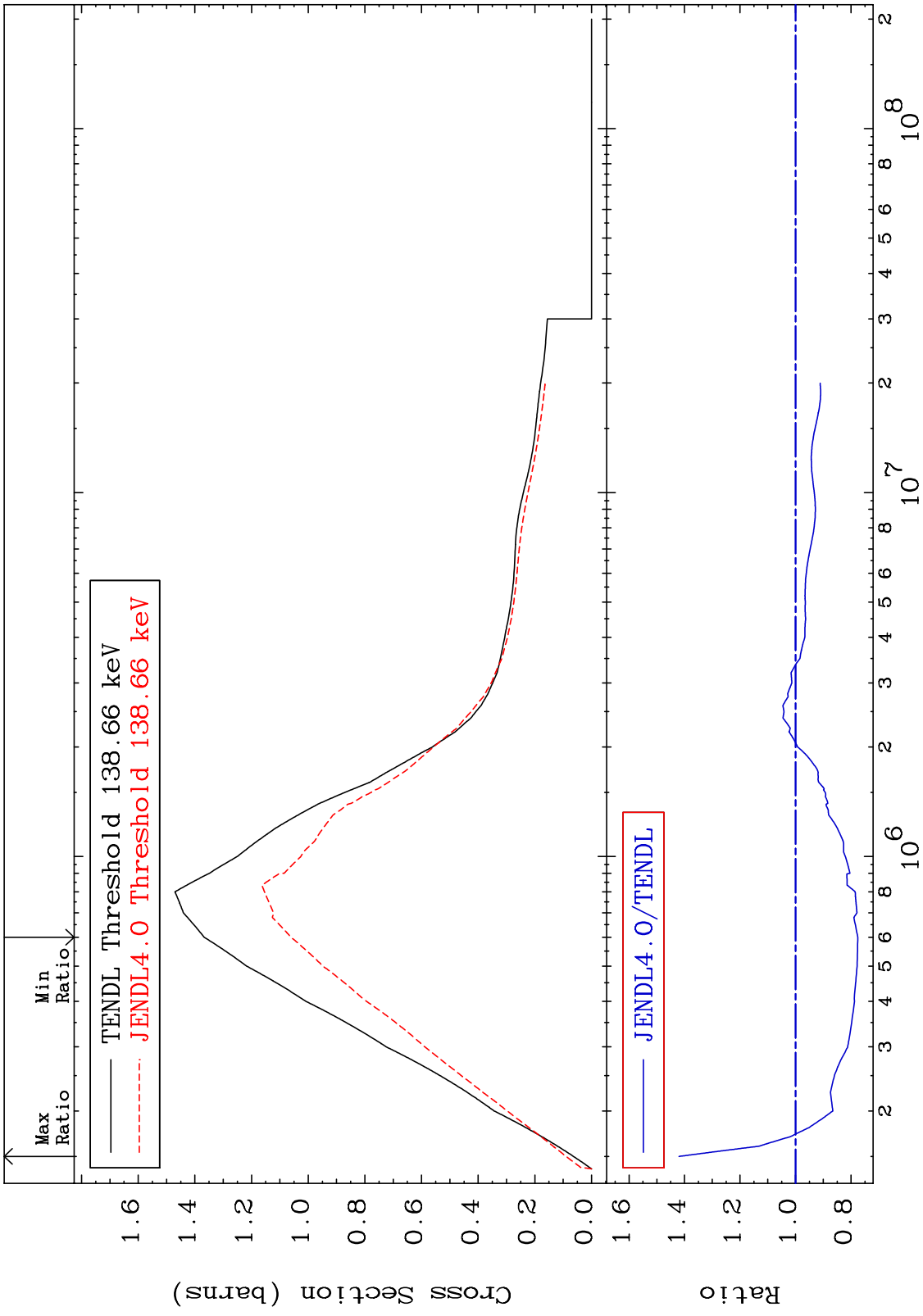
MAT 6625 (n,n') 2α Cross Section 66-Dy-156
 -100.0 To 9999. %



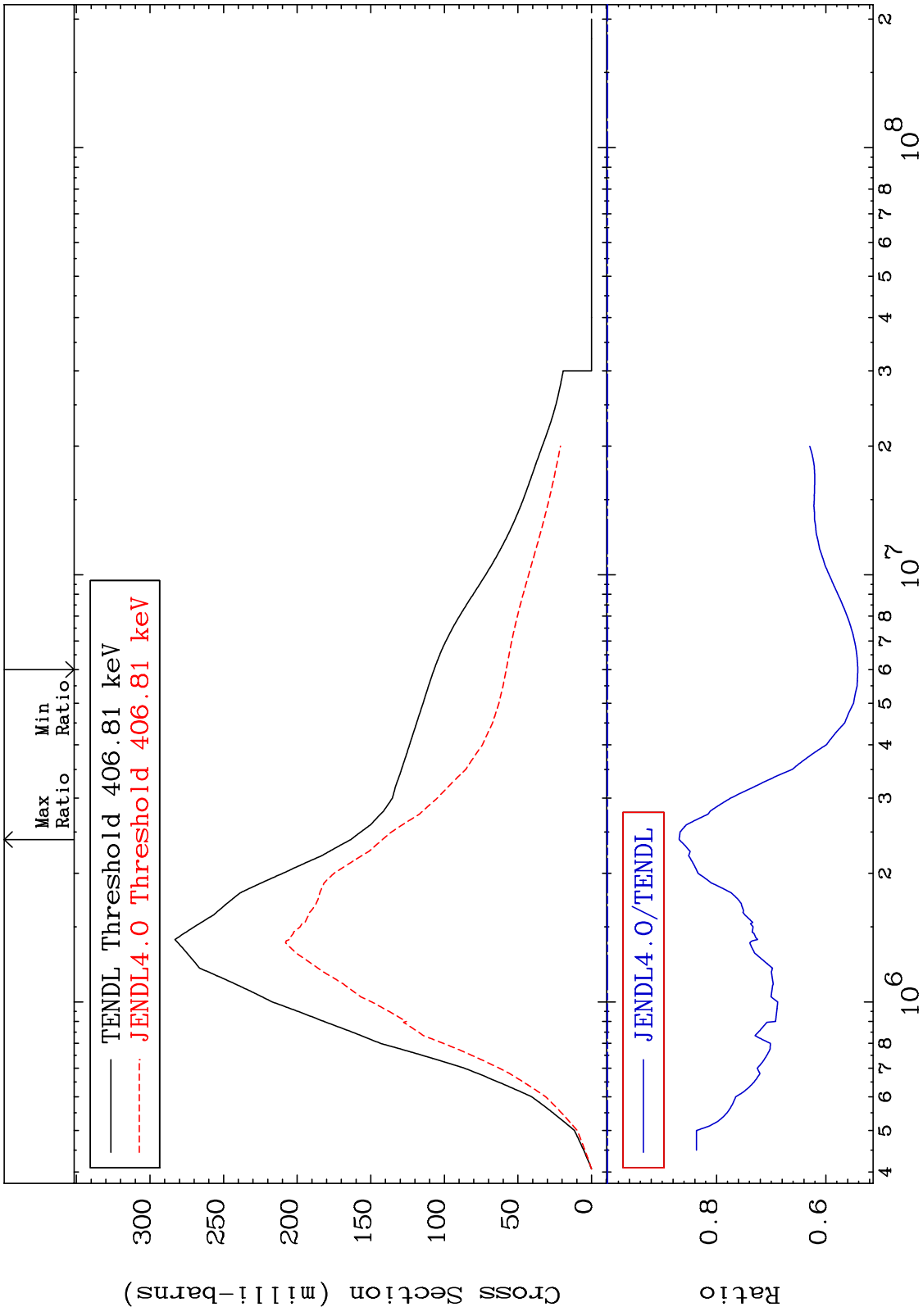
MAT 6625 (n, n') d 66-Dy-156
 Cross Section -100.0 To 1835. %



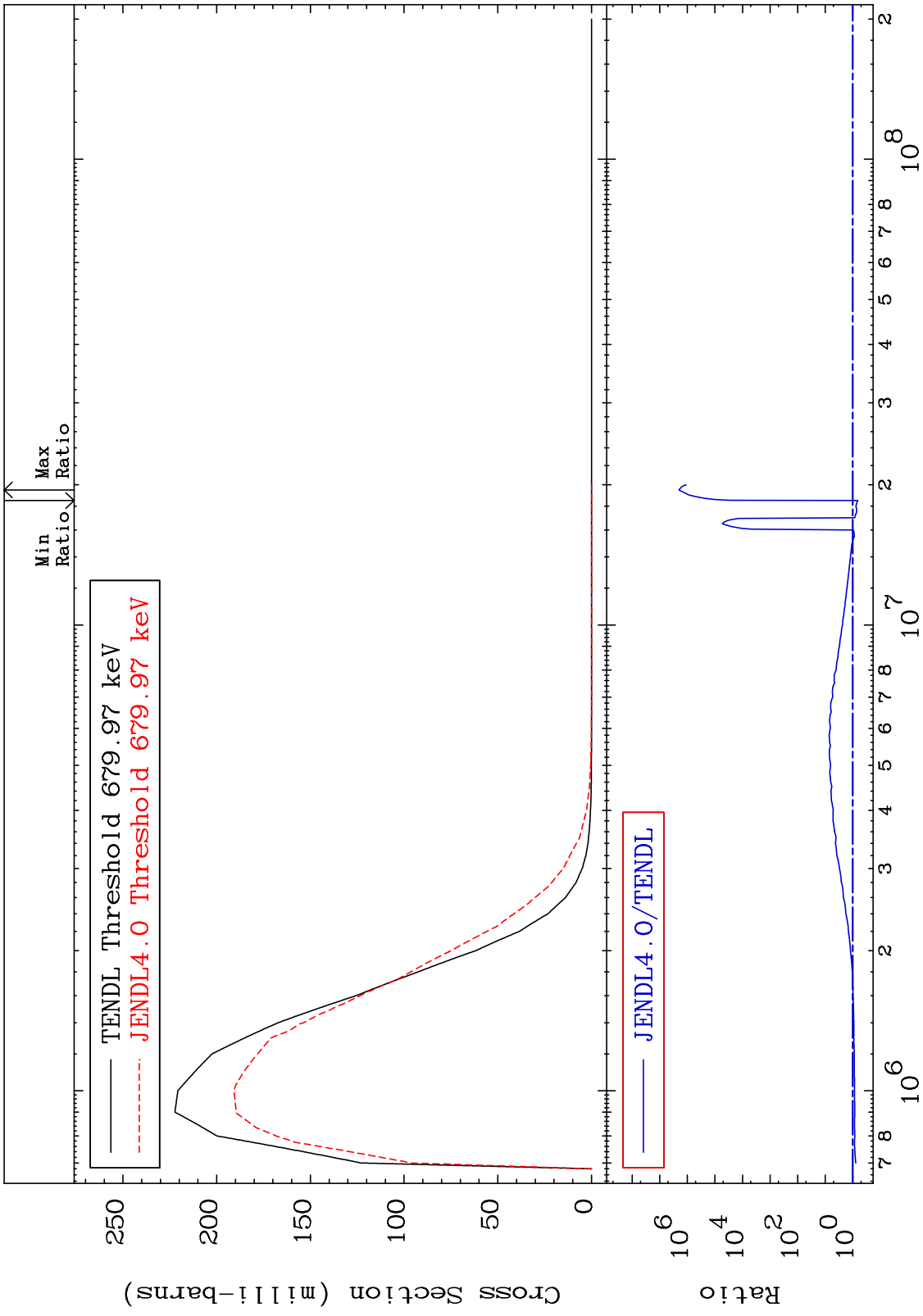
MAT 6625 MT= 51 (n,n') Level 66-Dy-156
 Cross Section -22.43 To 41.98 %



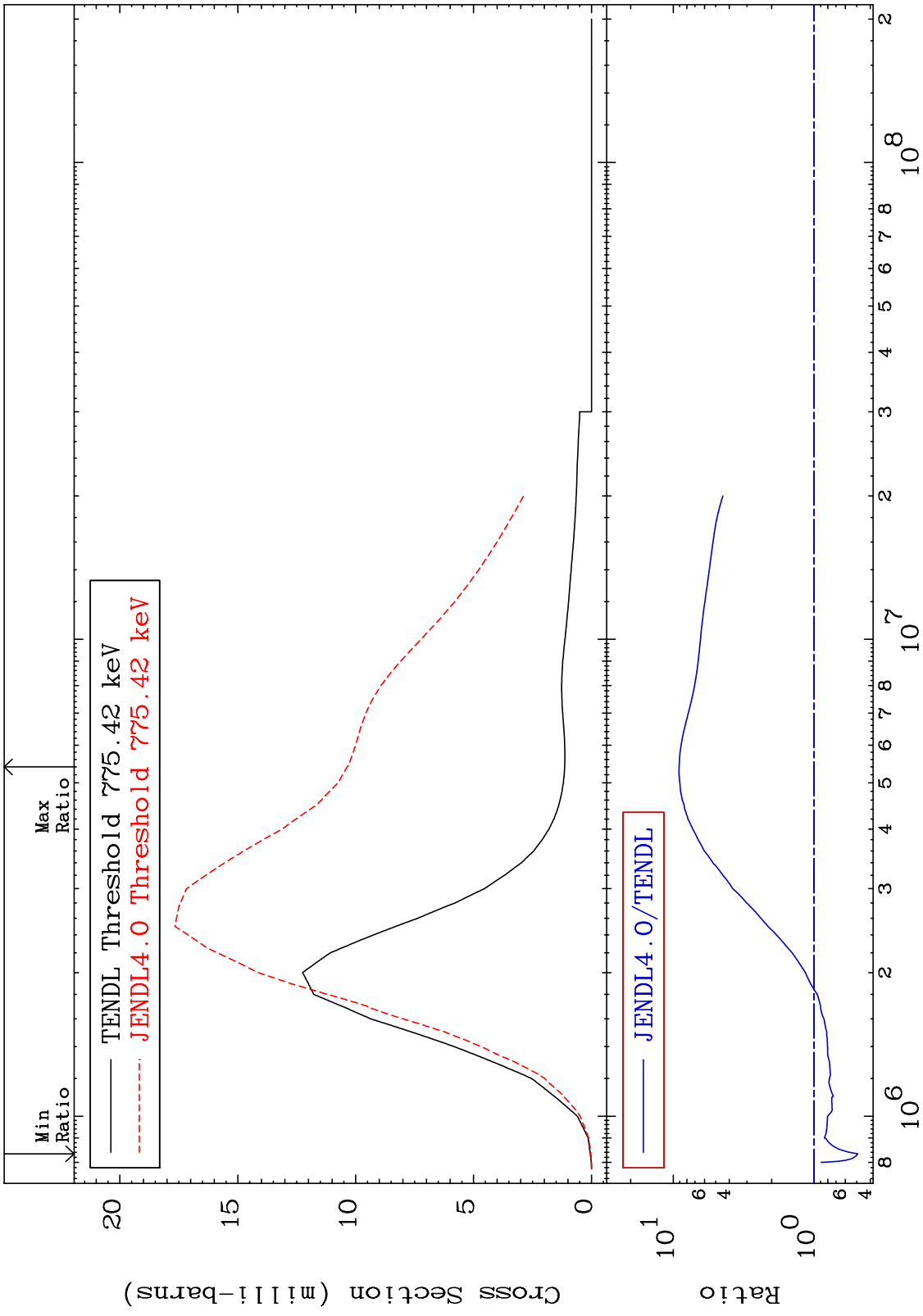
MAT 6625 MT= 52 (n,n') Level Cross Section 66-Dy-156
 -45.85 To -13.11%



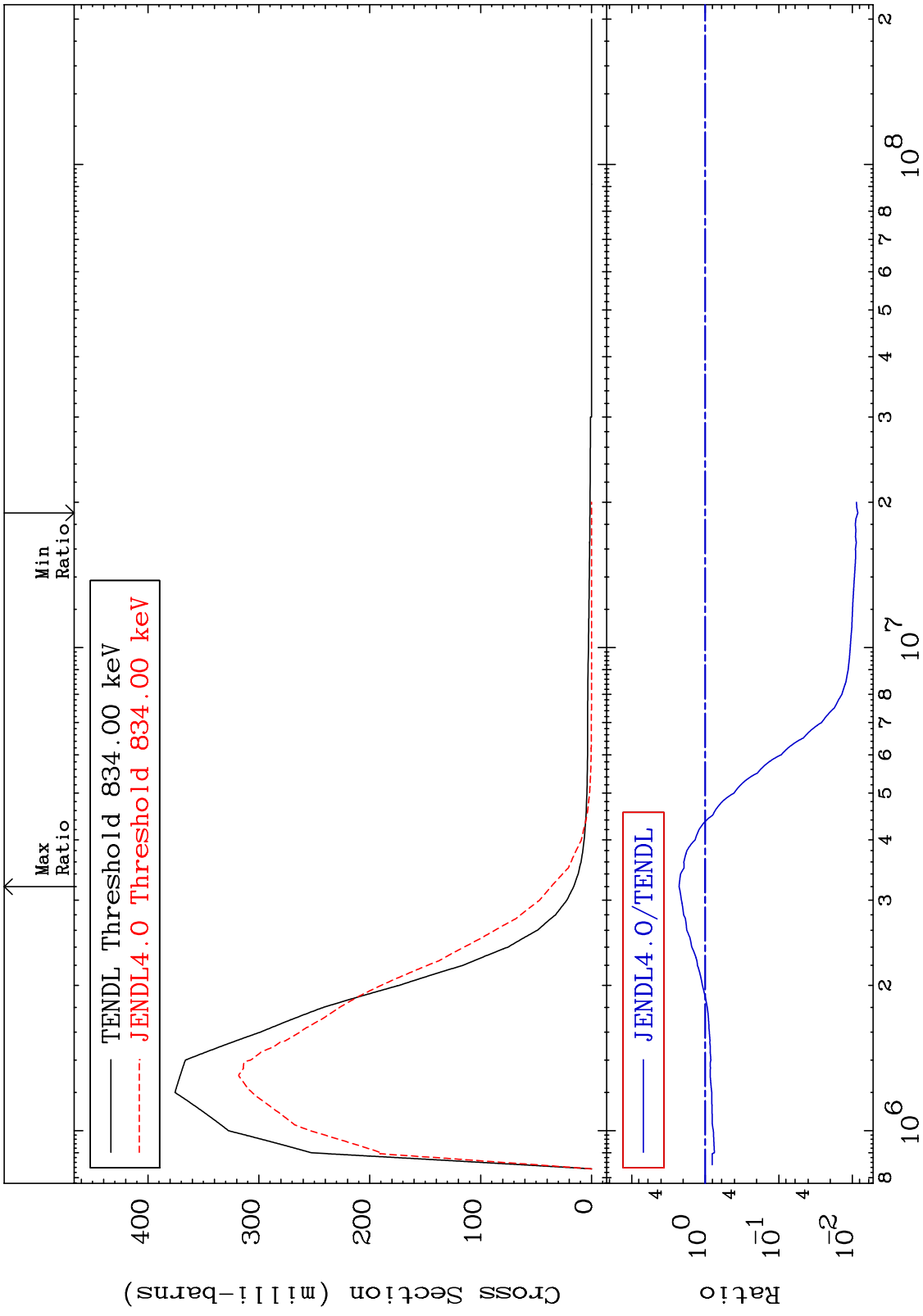
MAT 6625 MT= 53 (n,n') Level 66-Dy-156
 Cross Section -34.41 To 9999. %



MAT 6625 MT= 54 (n,n') Level Cross Section 66-Dy-156
 -51.00 To 808.8 %



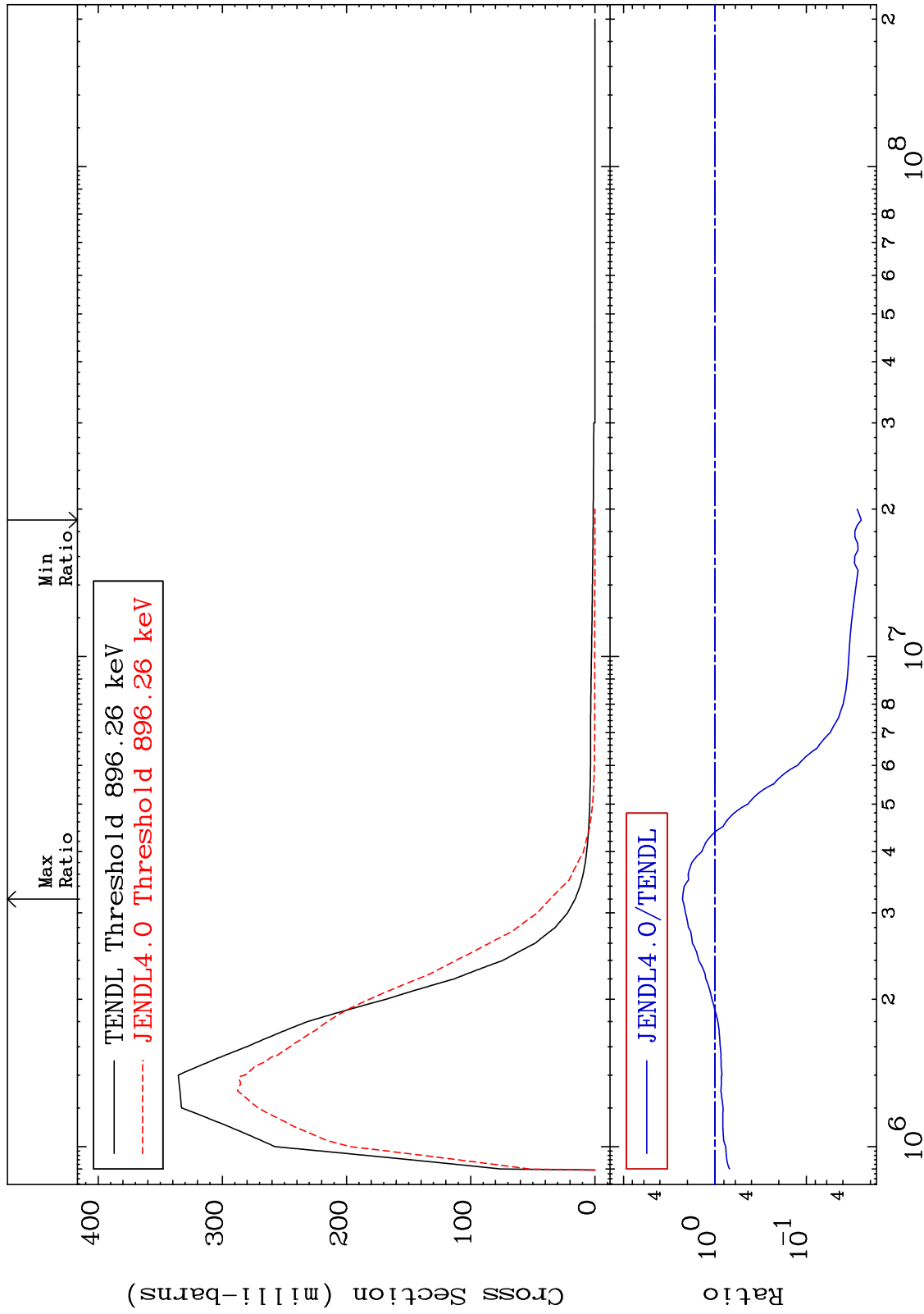
MAT 6625 MT= 55 (n,n') Level Cross Section 66-Dy-156 -99.16 To 127.0 %



MAT 6625

MT= 56 (n,n') Level
Cross Section

66-Dy-156
-97.49 To 126.9 %

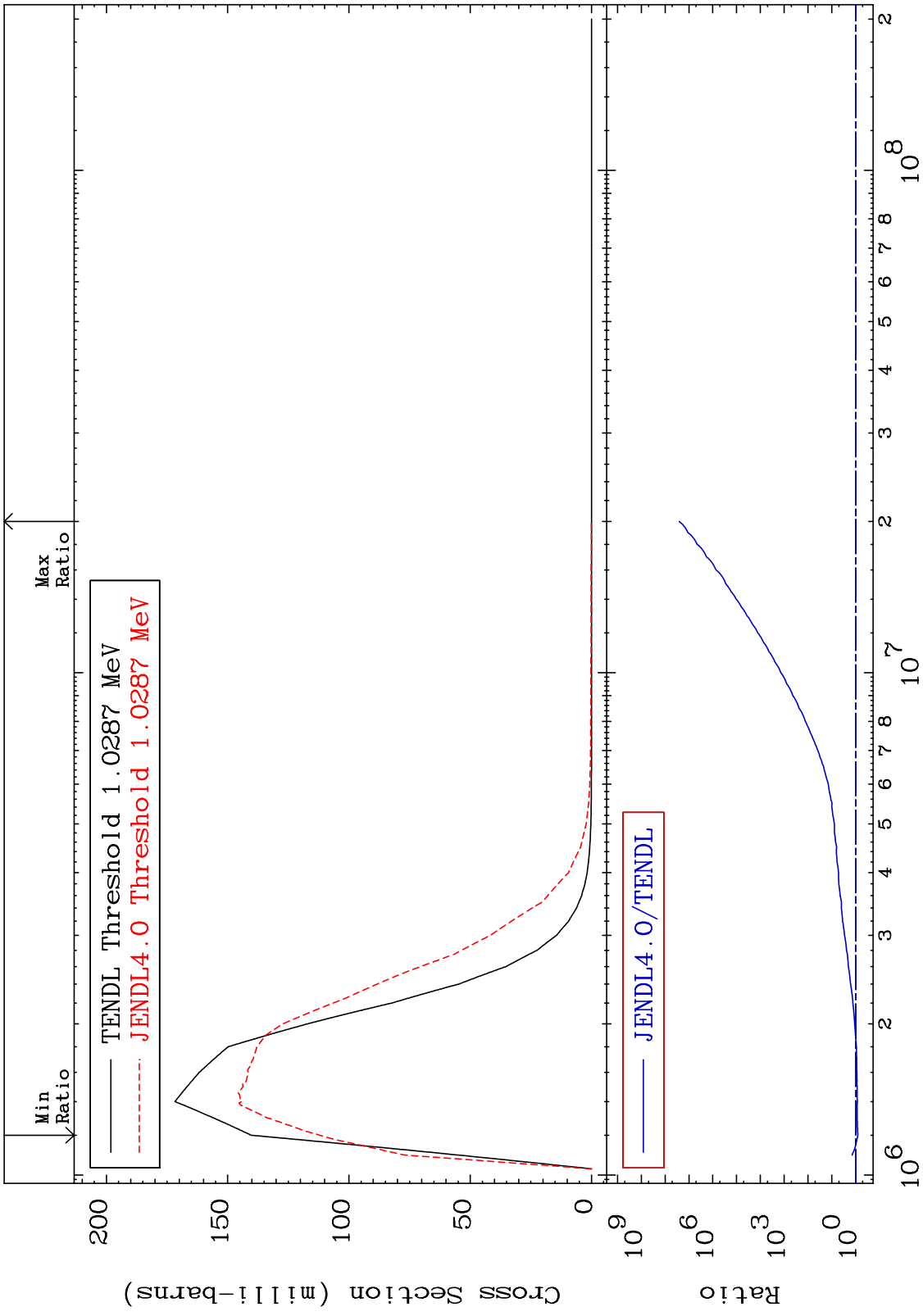


17

Incident Energy (eV)

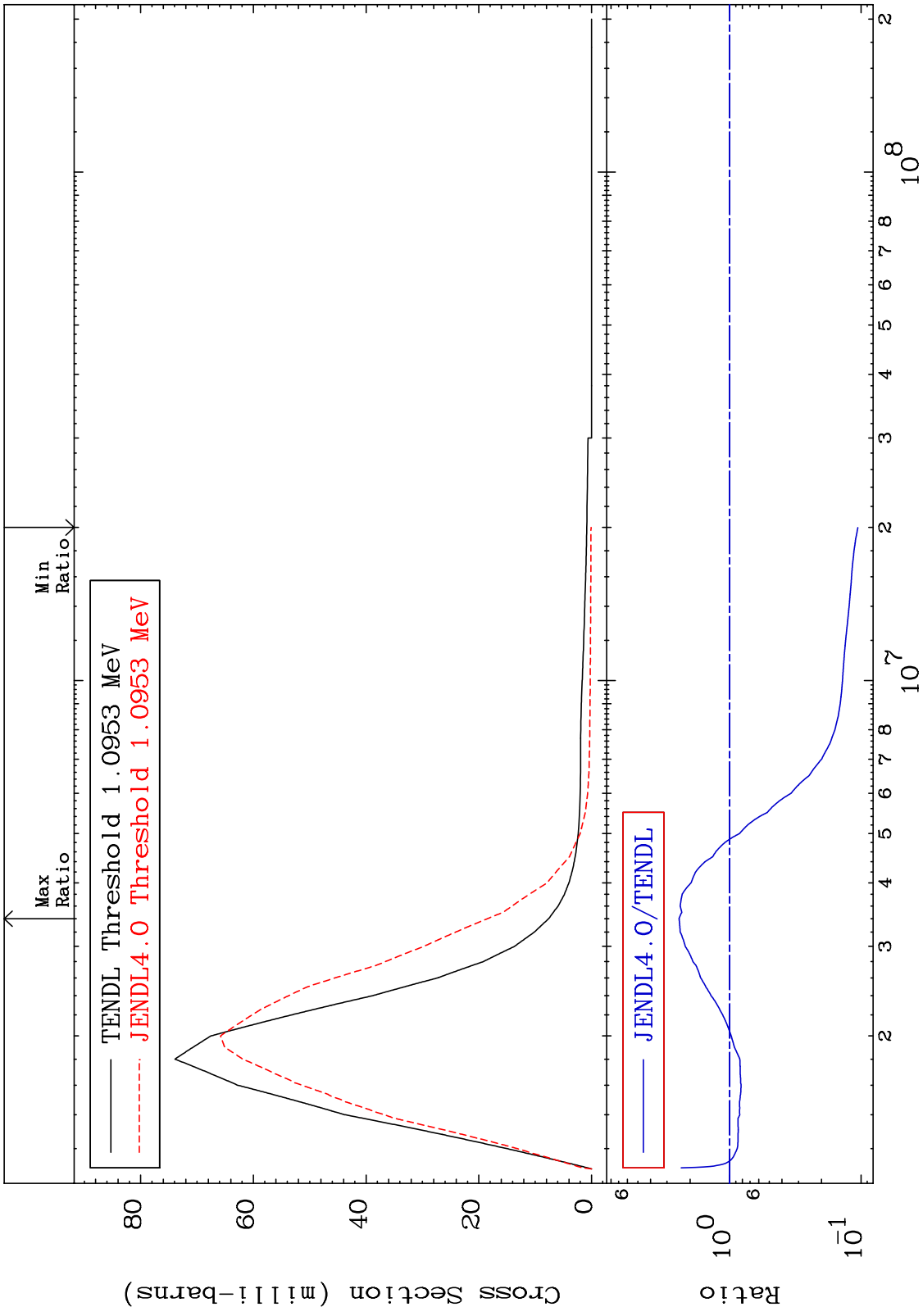
66-Dy-156

MAT 6625 MT= 57 (n,n') Level Cross Section 66-Dy-156
-20.10 To 9999. %

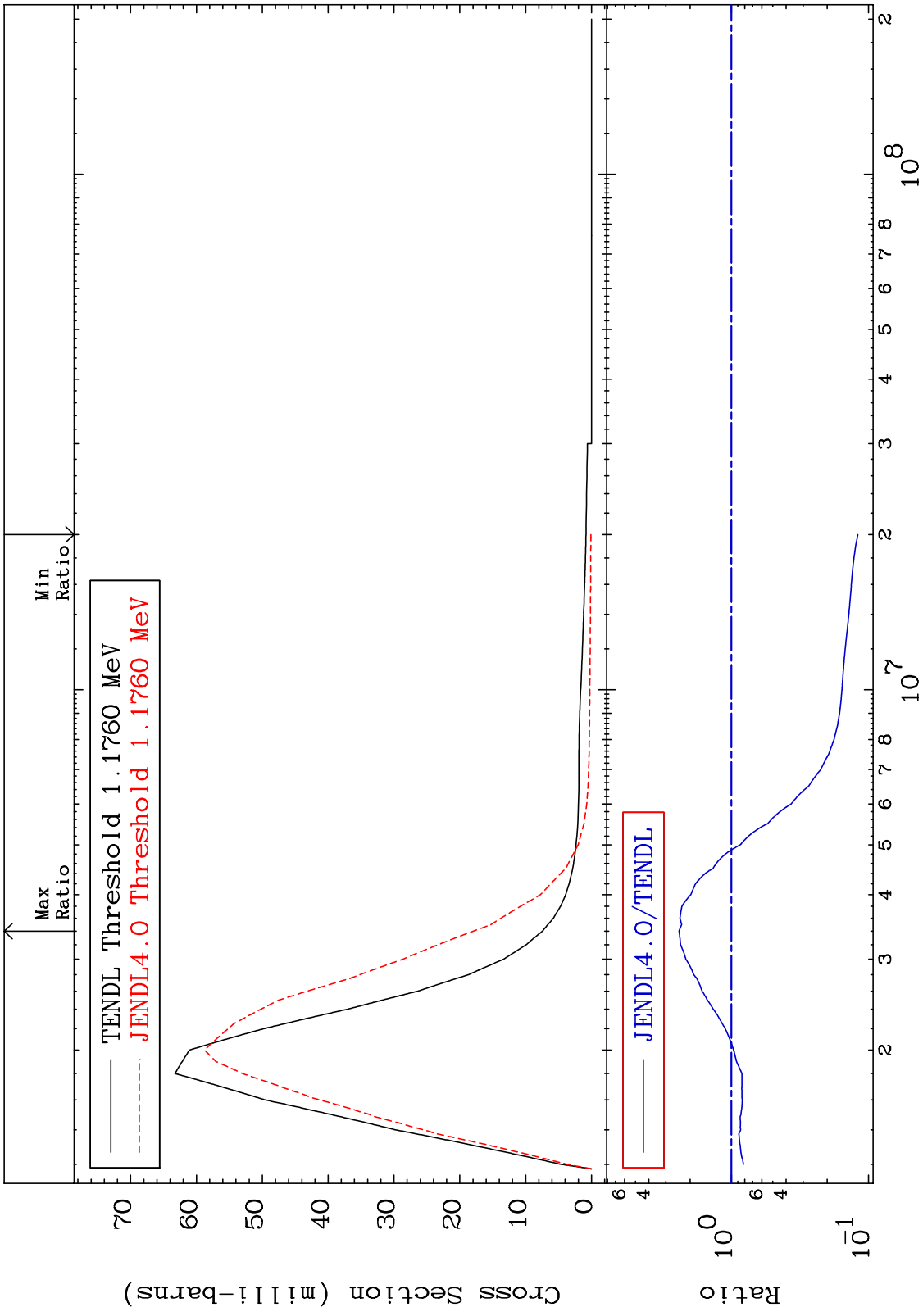


18 66-Dy-156

MAT 6625 MT= 58 (n,n') Level Cross Section 66-Dy-156
 -89.40 To 142.8 %



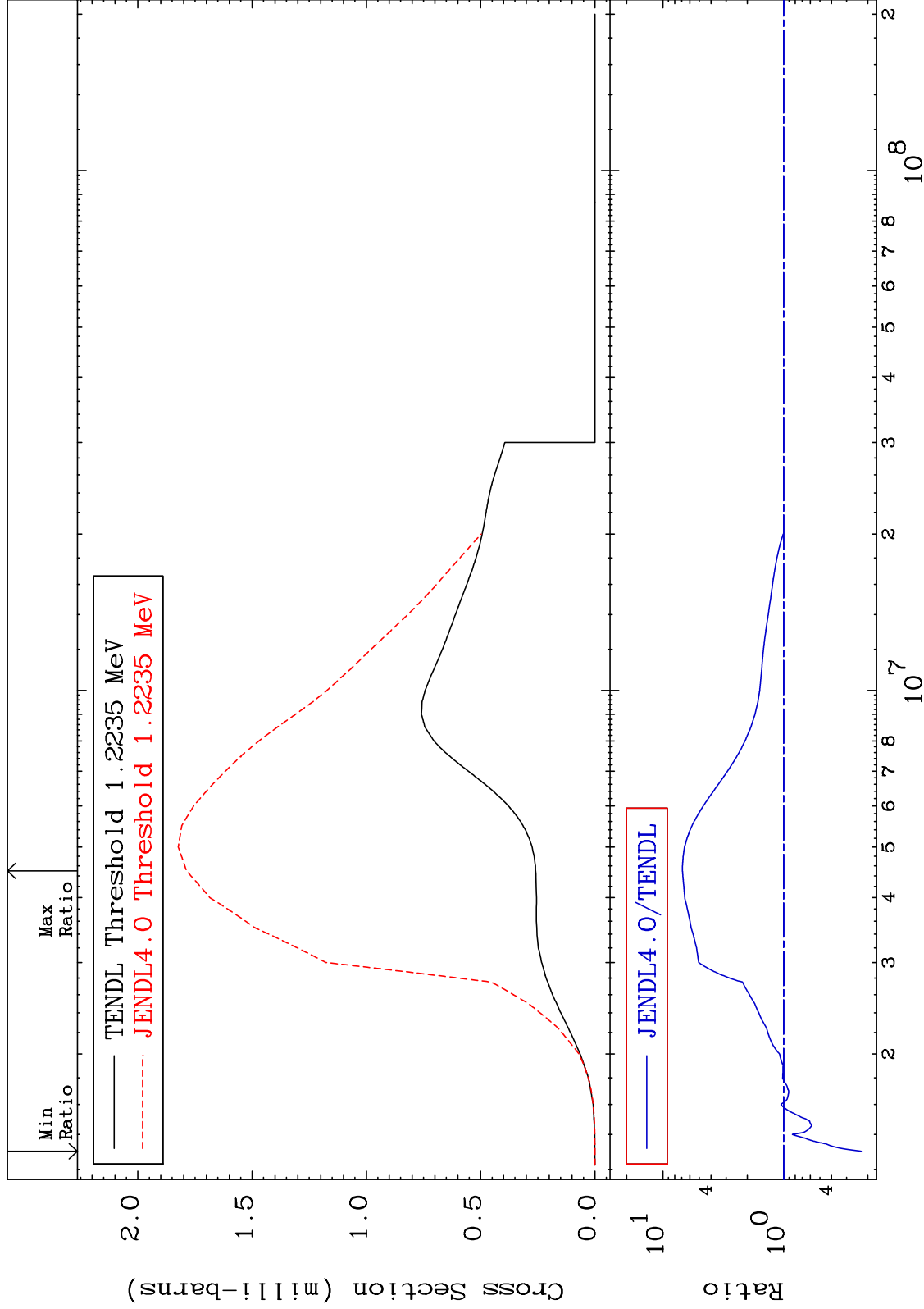
MAT 6625 MT= 59 (n,n') Level Cross Section 66-Dy-156 -88.02 To 140.8 %



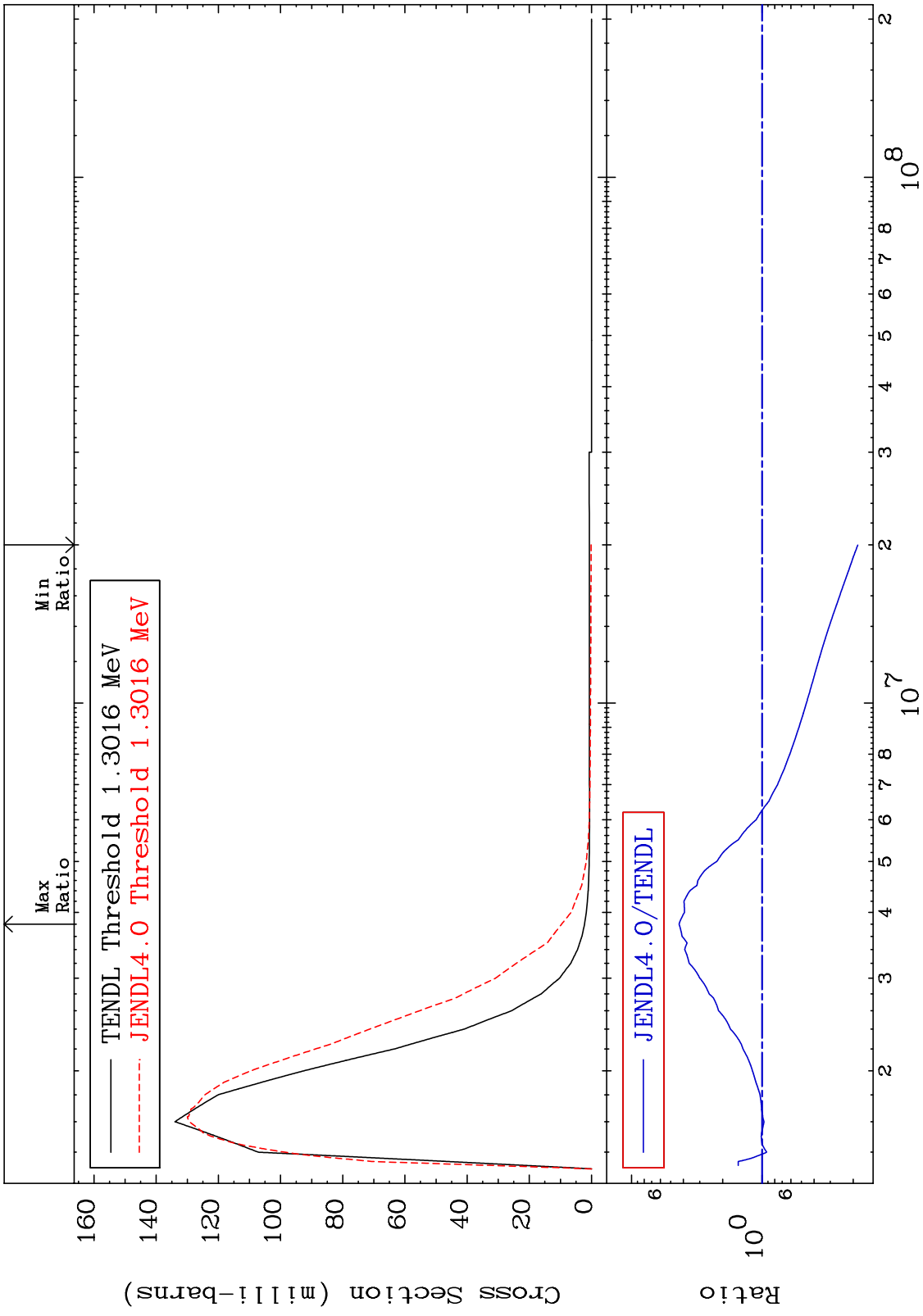
MAT 6625

MT= 60 (n,n') Level
Cross Section

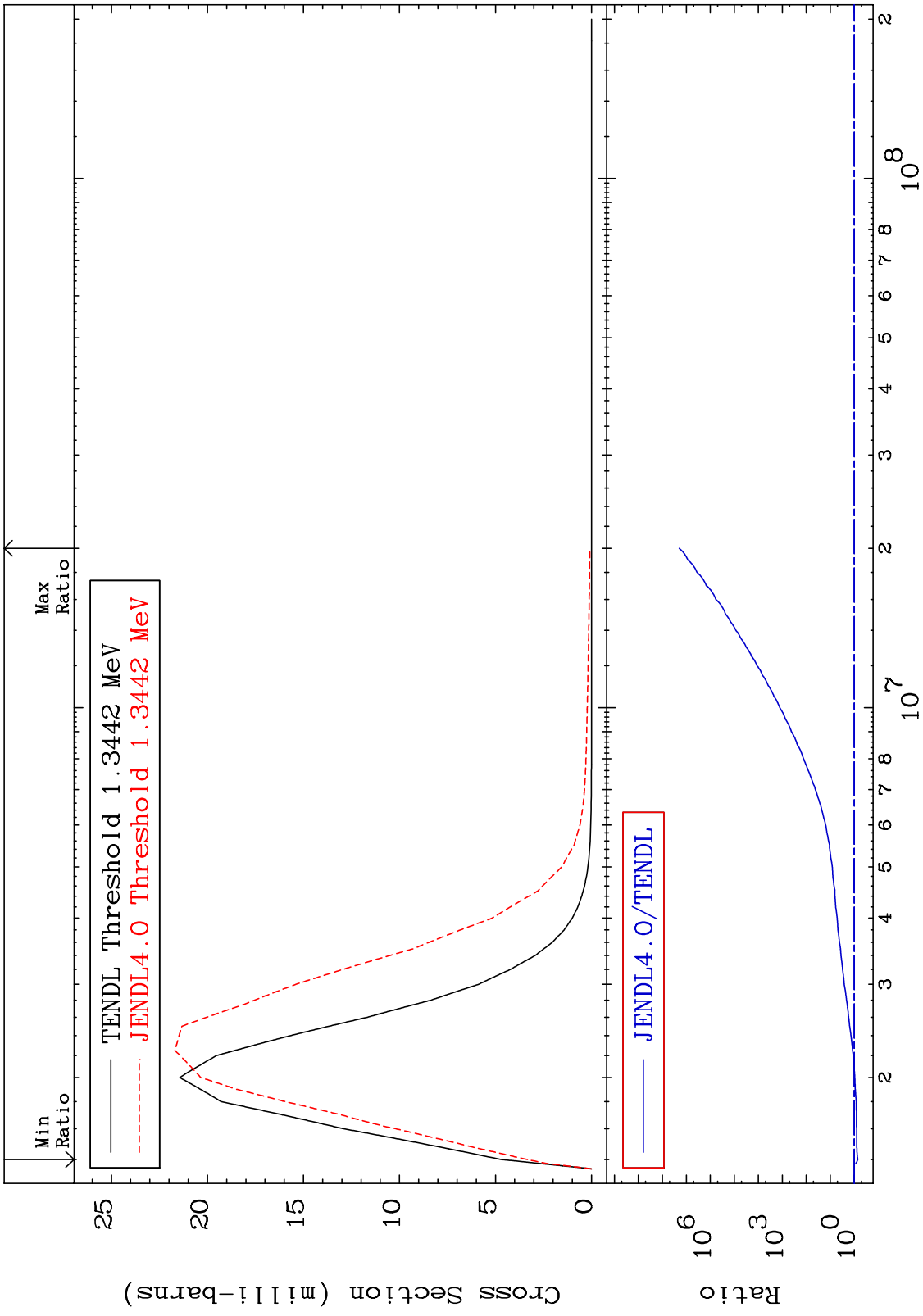
66-Dy-156
-77.31 To 589.3 %



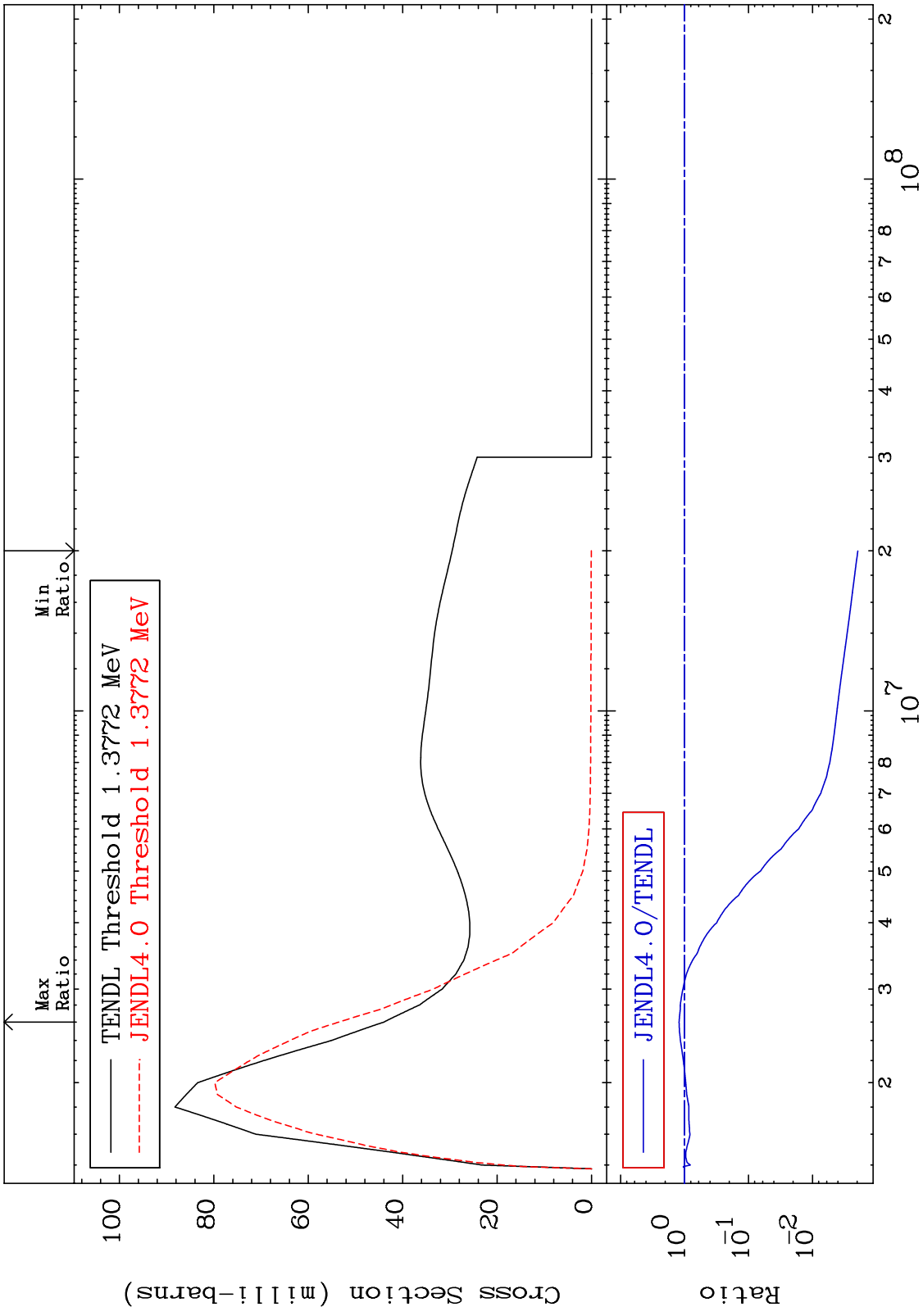
MAT 6625 MT= 61 (n,n') Level Cross Section 66-Dy-156 -81.54 To 332.1 %



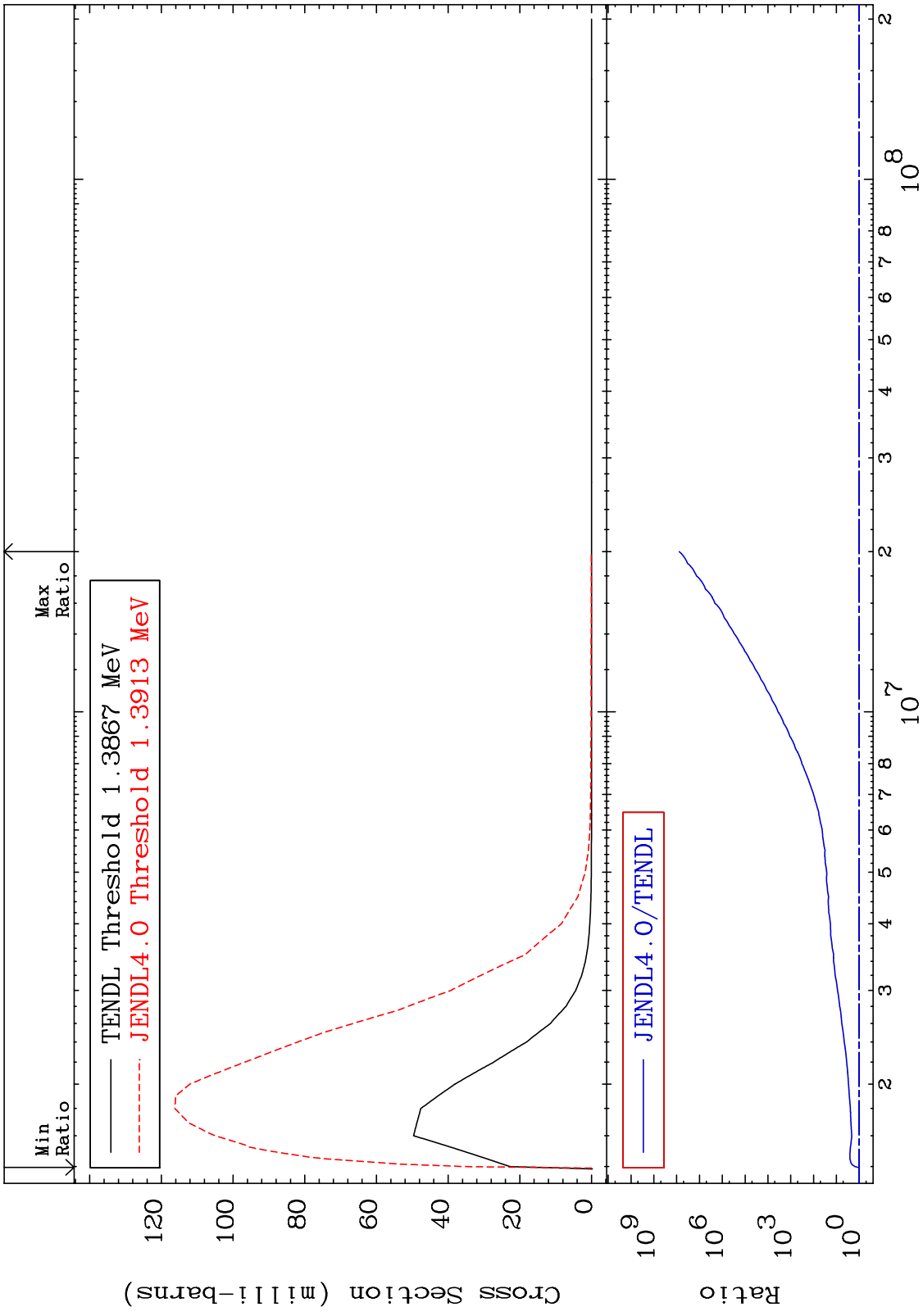
MAT 6625 MT= 62 (n,n') Level Cross Section 66-Dy-156 -29.12 To 9999. %



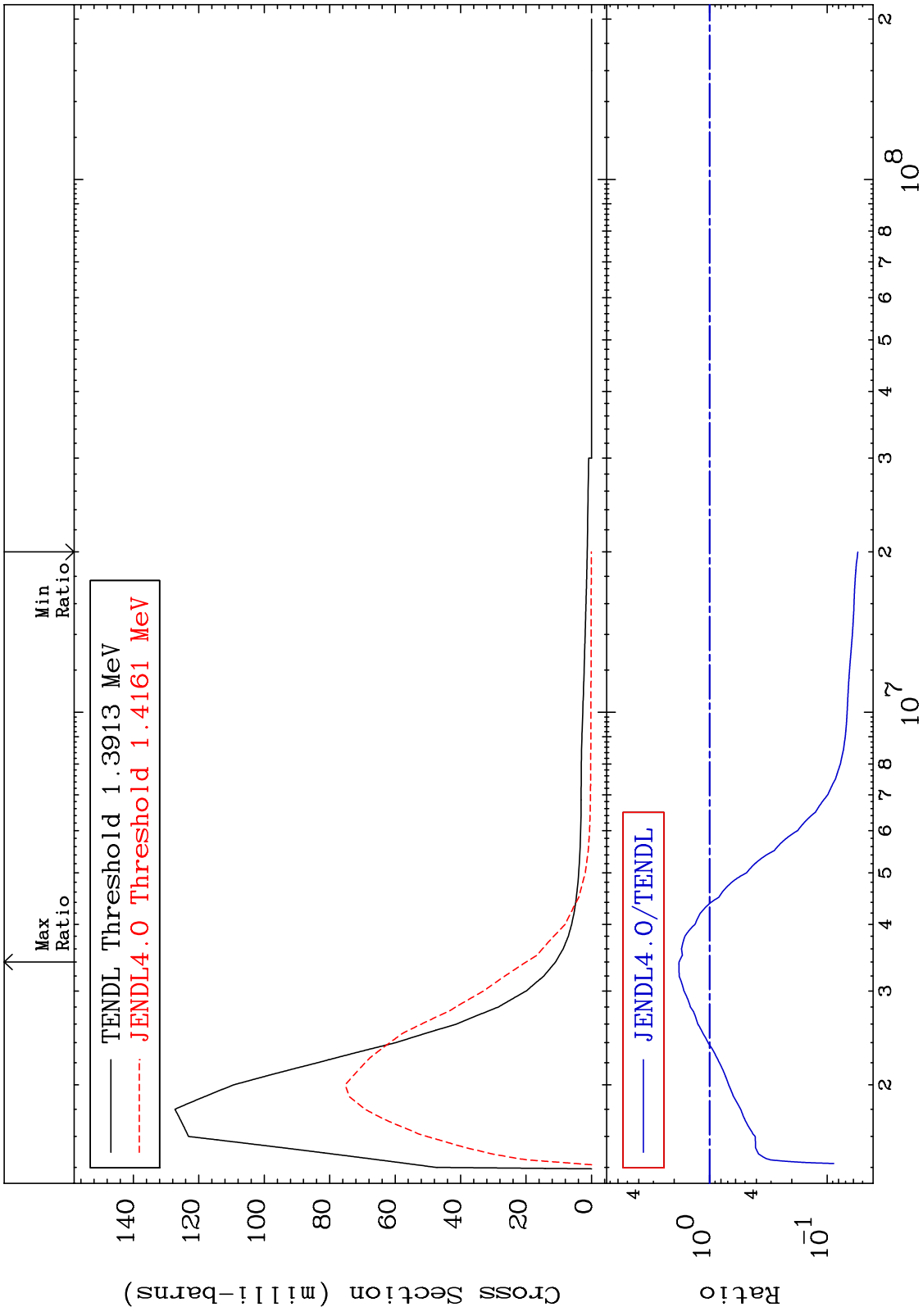
MAT 6625 MT= 63 (n, n') Level Cross Section 66-Dy-156 -99.80 To 21.65 %



MAT 6625 MT= 64 (n,n') Level Cross Section 66-Dy-156 To 9999. %
 14.65

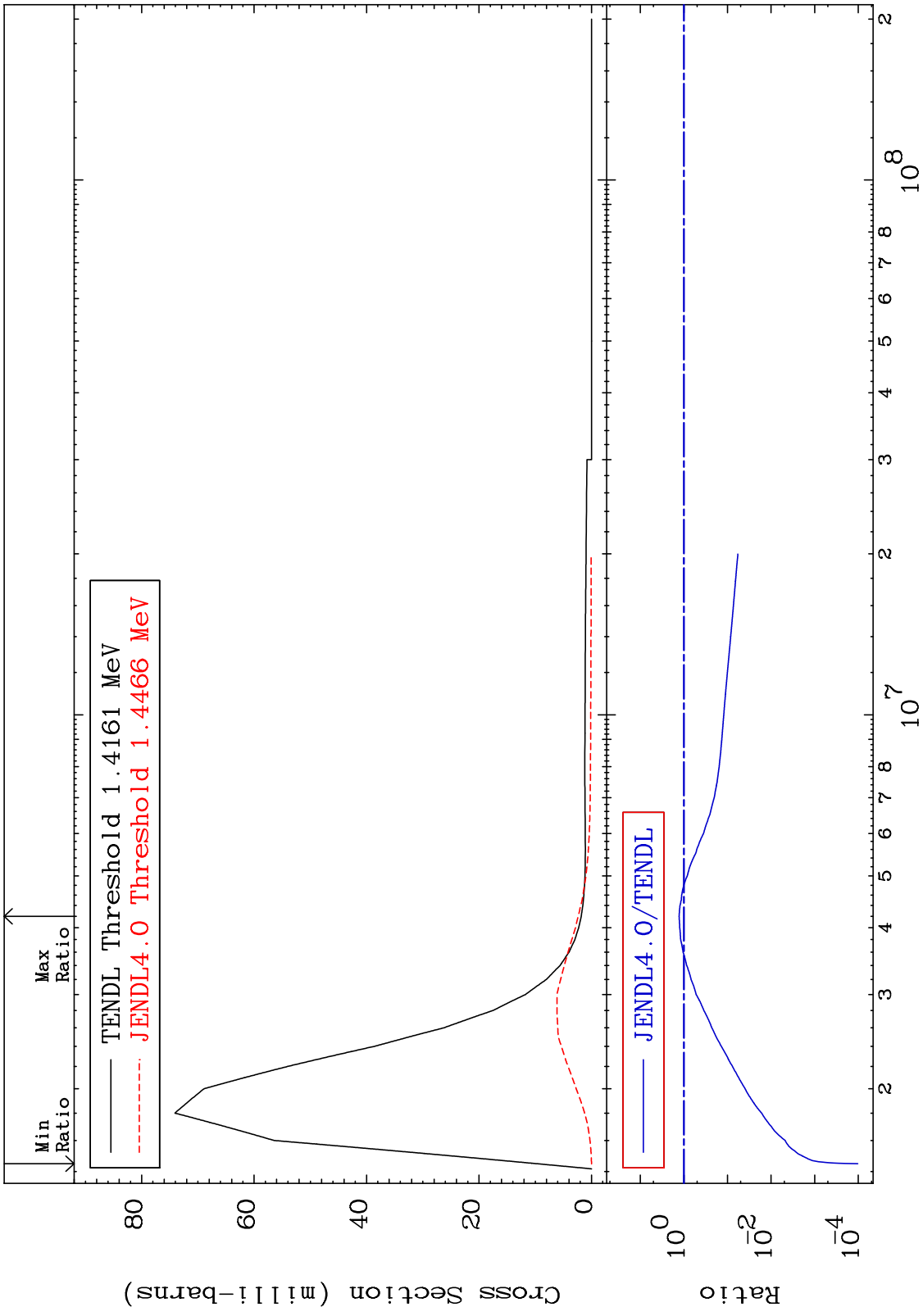


MAT 6625 MT= 65 (n,n') Level Cross Section 66-Dy-156 -94.51 To 81.86 %



26 66-Dy-156 Incident Energy (eV)

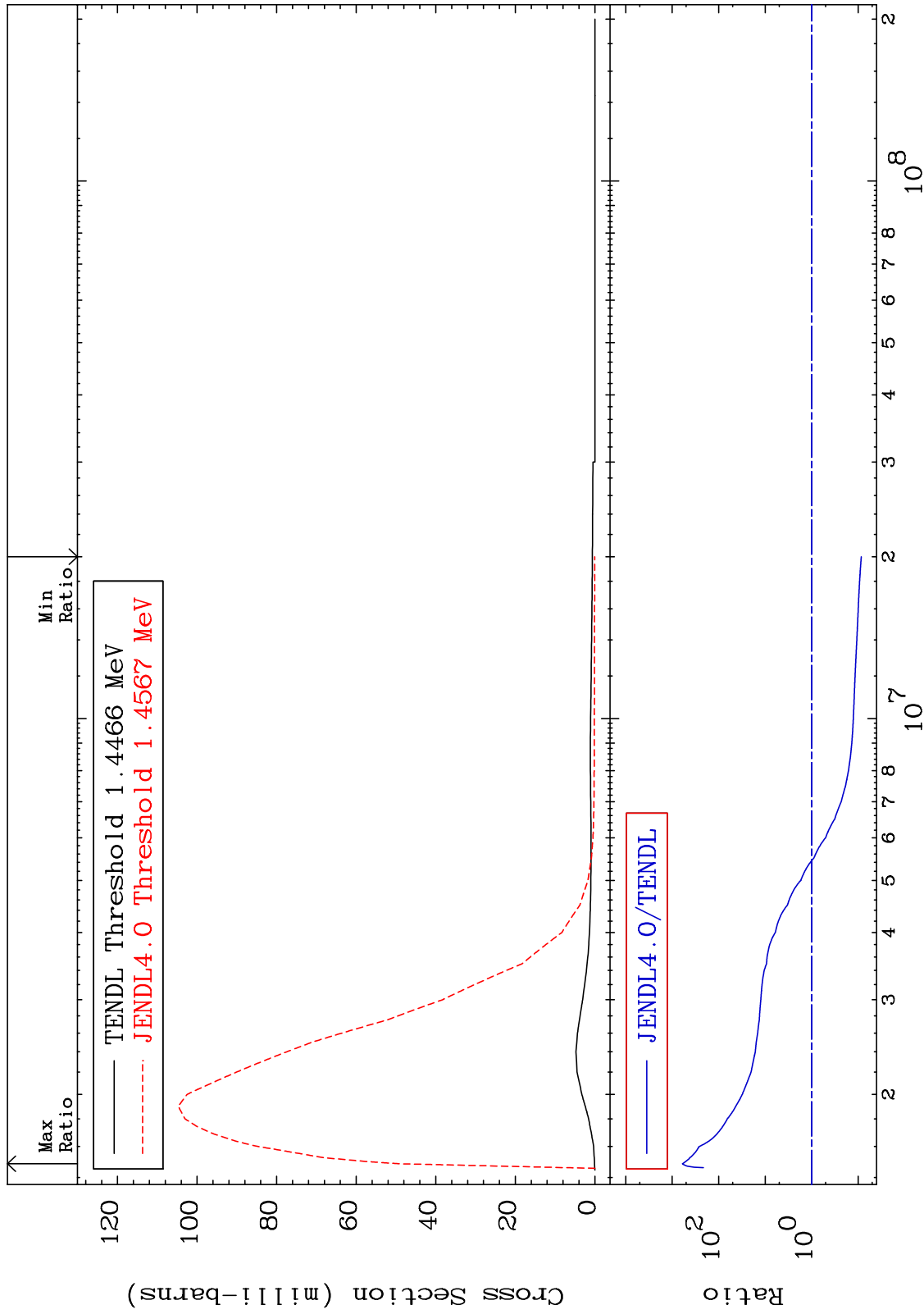
MAT 6625 MT= 66 (n,n') Level Cross Section 66-Dy-156 -99.99 To 29.19 %



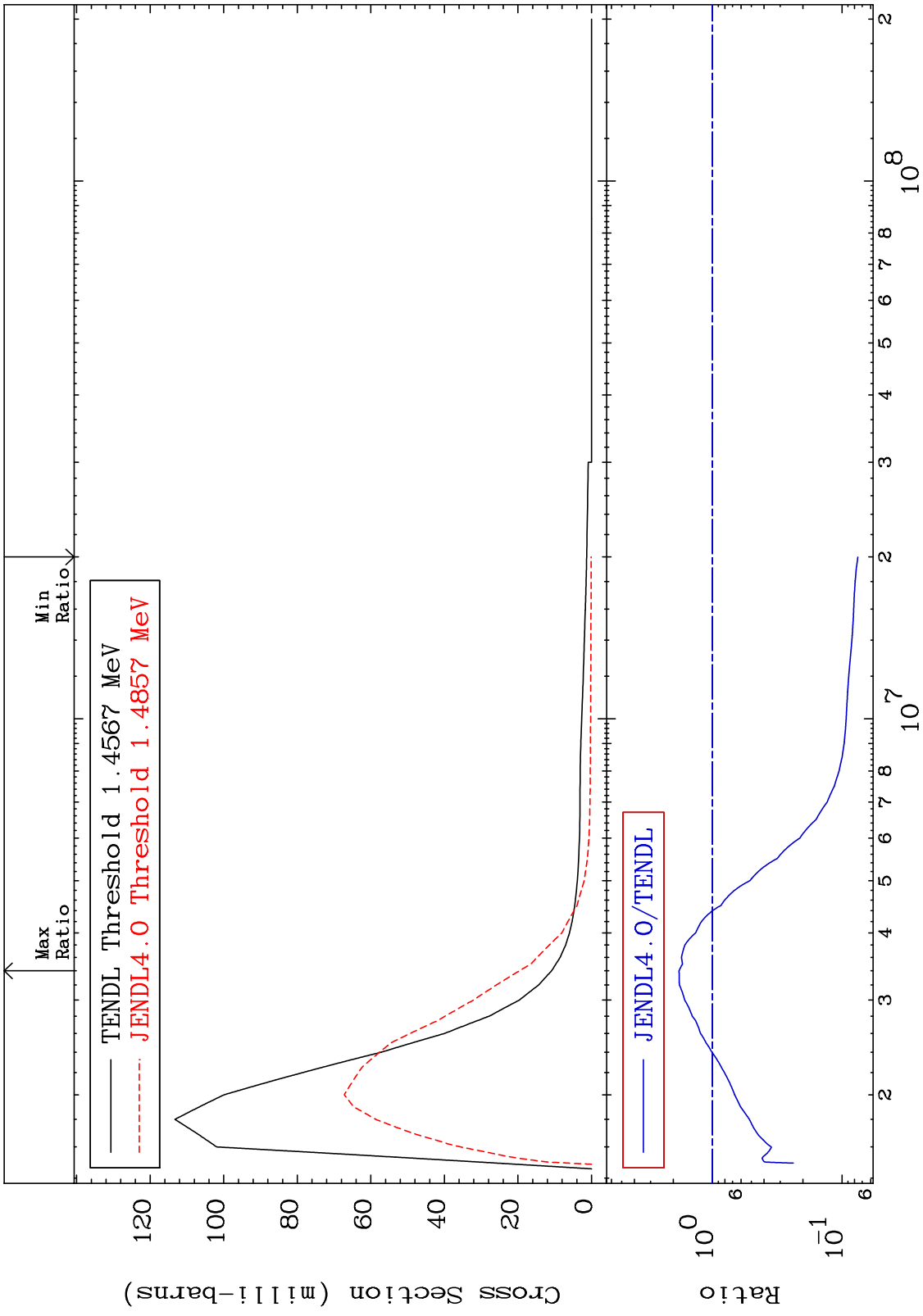
MAT 6625

MT= 67 (n,n') Level
Cross Section

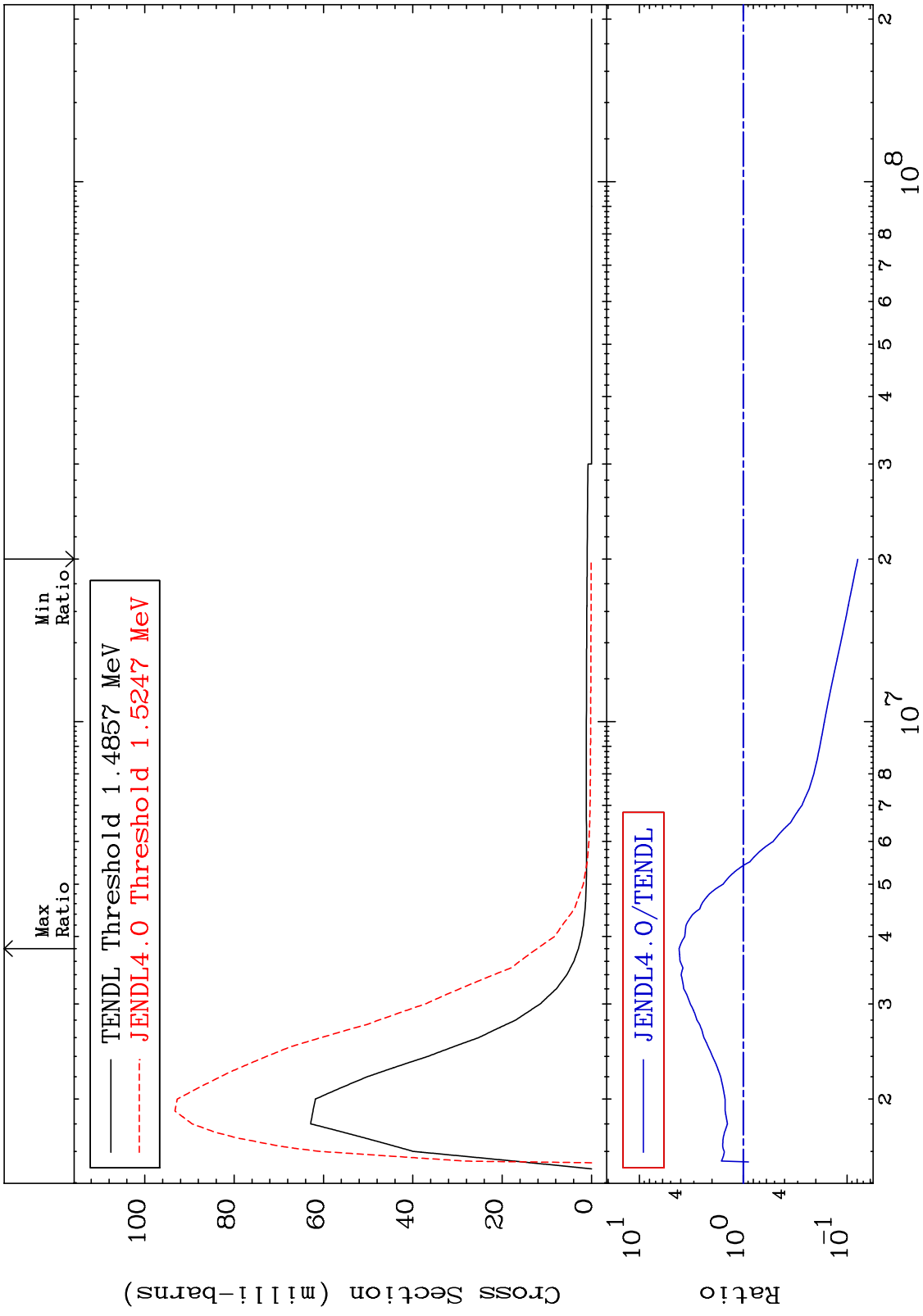
66-Dy-156
-91.42 To 9999. %



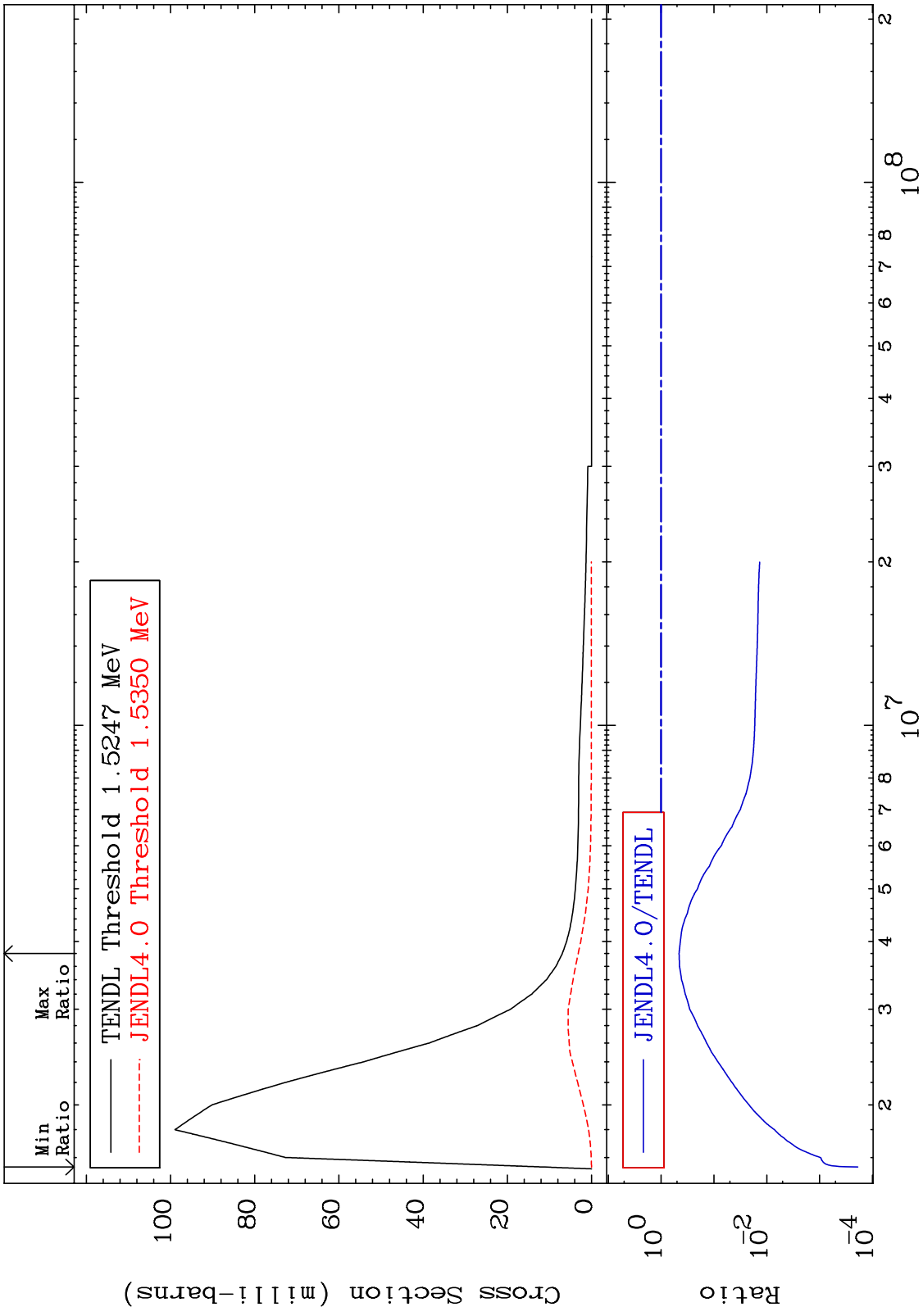
MAT 6625 MT= 68 (n,n') Level Cross Section 66-Dy-156 -92.45 To 80.79 %



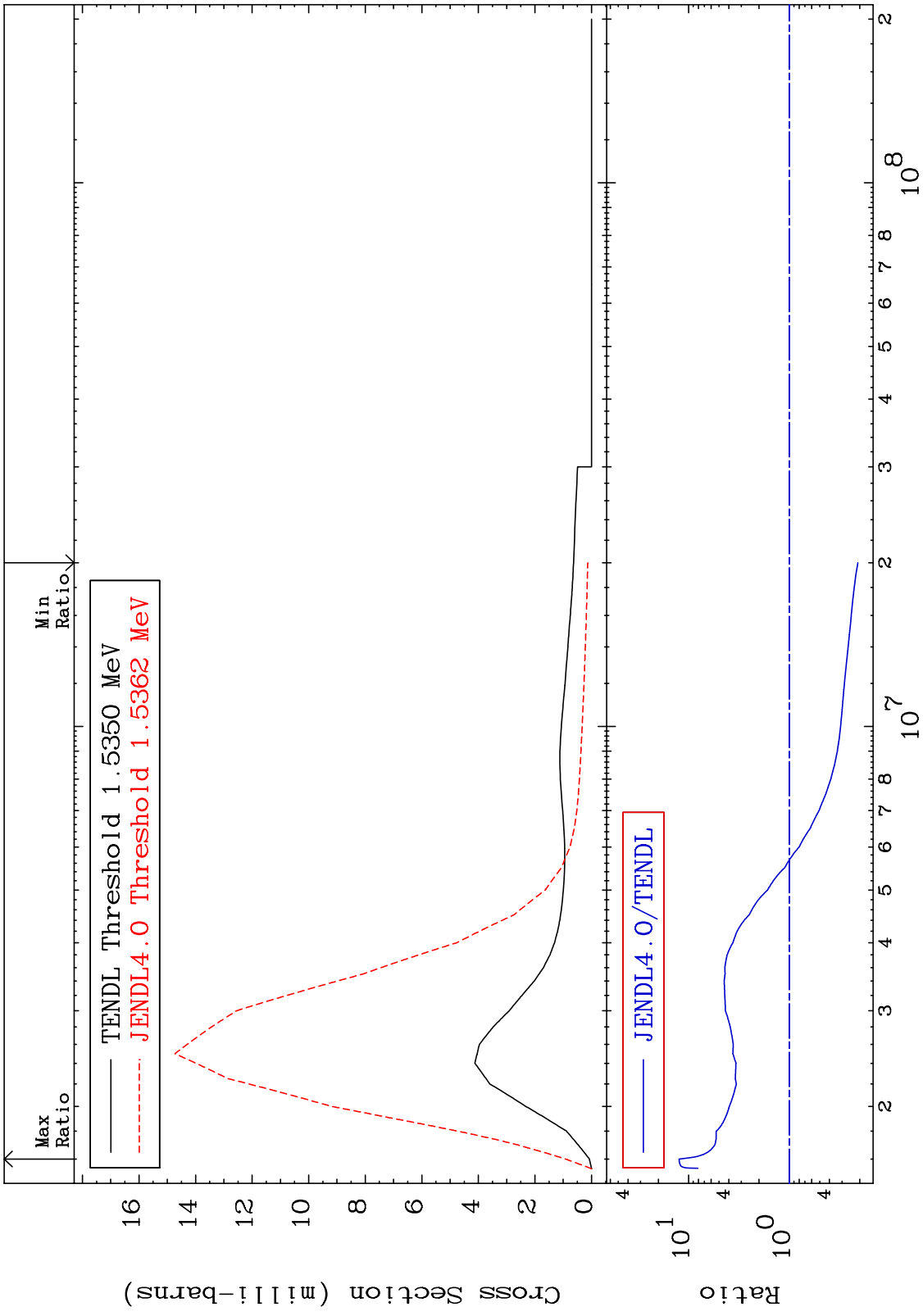
MAT 6625 MT= 69 (n,n') Level Cross Section 66-Dy-156 -92.11 To 315.8 %



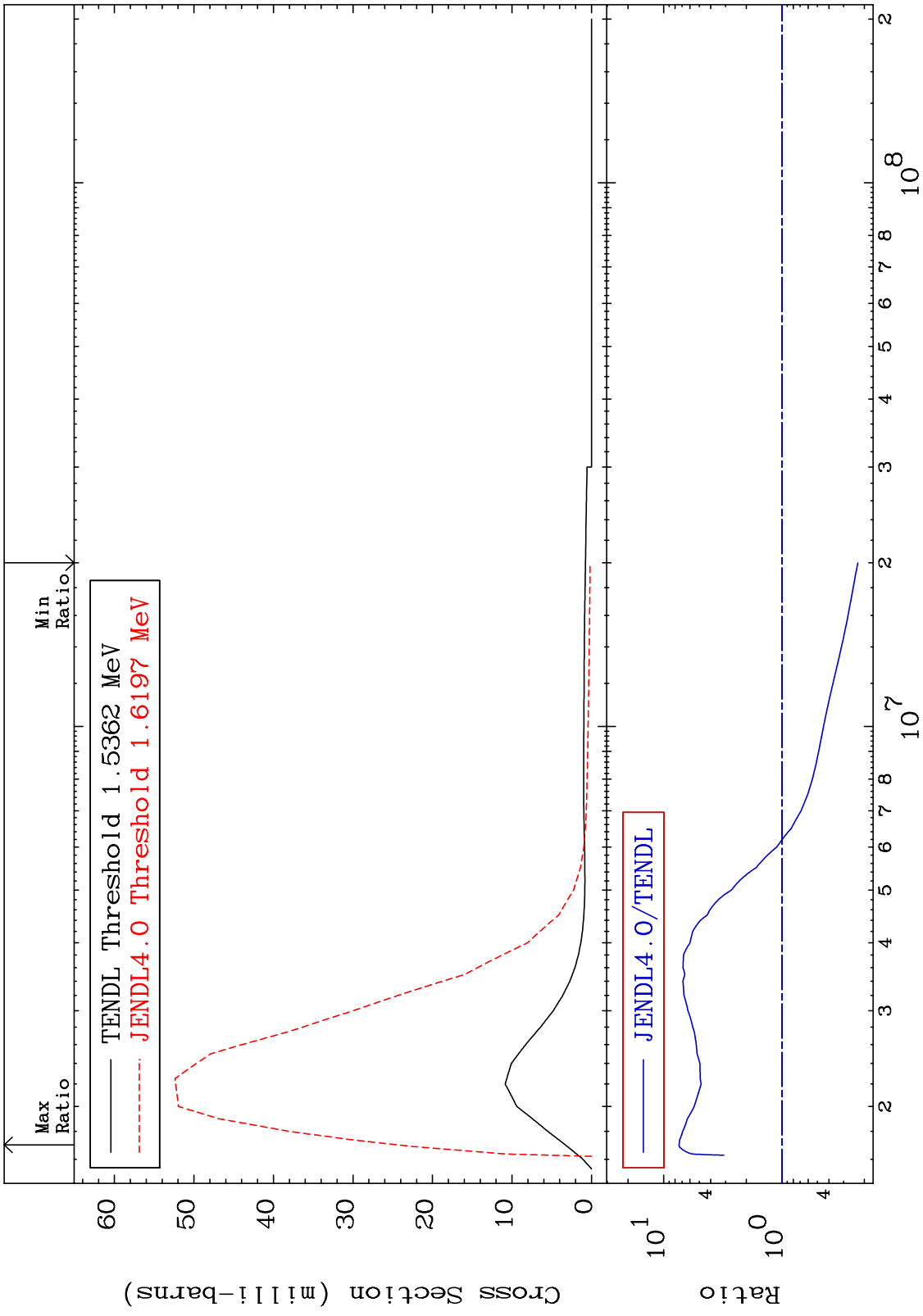
MAT 6625 MT= 70 (n,n') Level 66-Dy-156
 Cross Section -99.98 To -54.27%



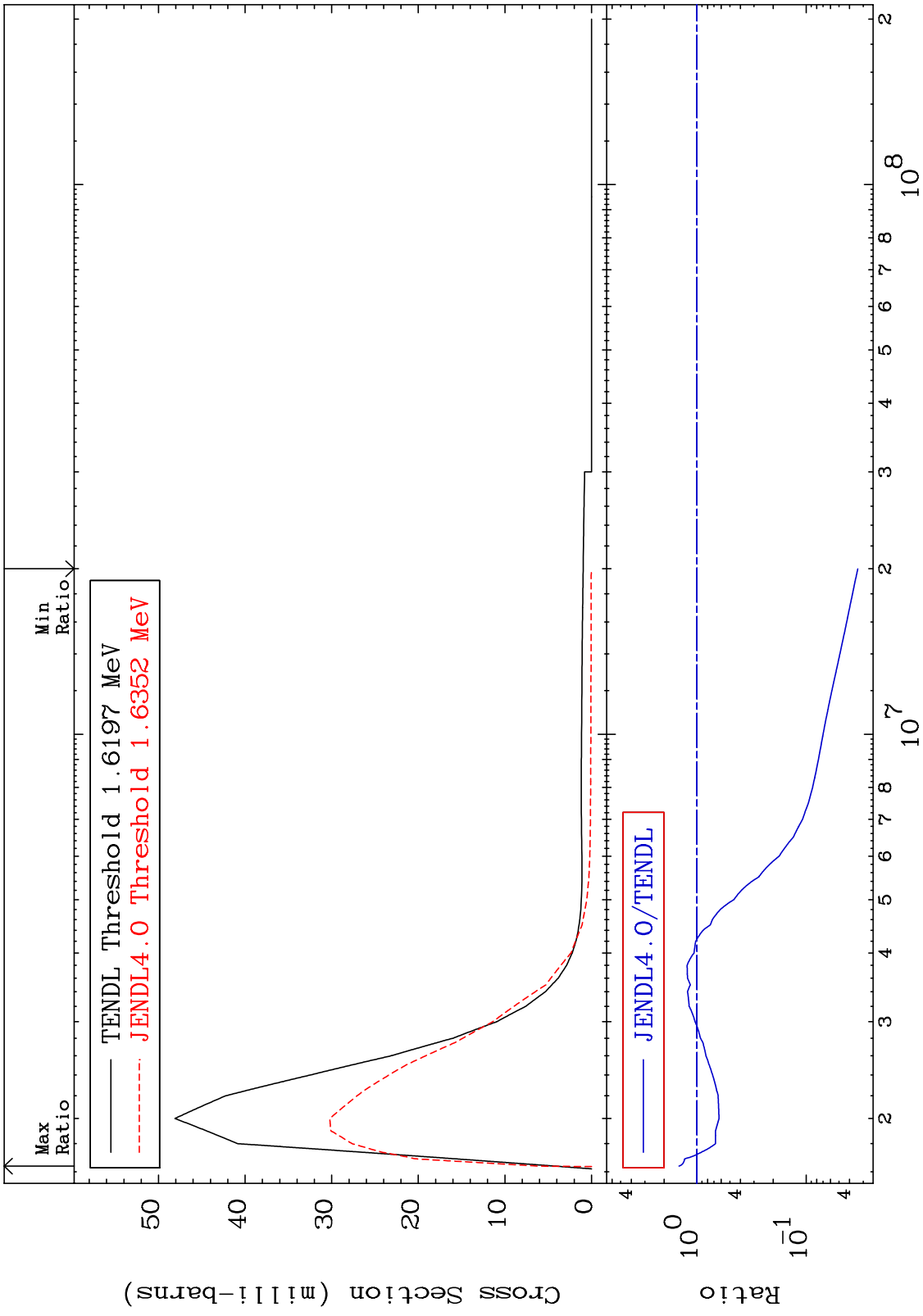
MAT 6625 MT= 71 (n,n') Level Cross Section 66-Dy-156 -79.09 To 1146. %



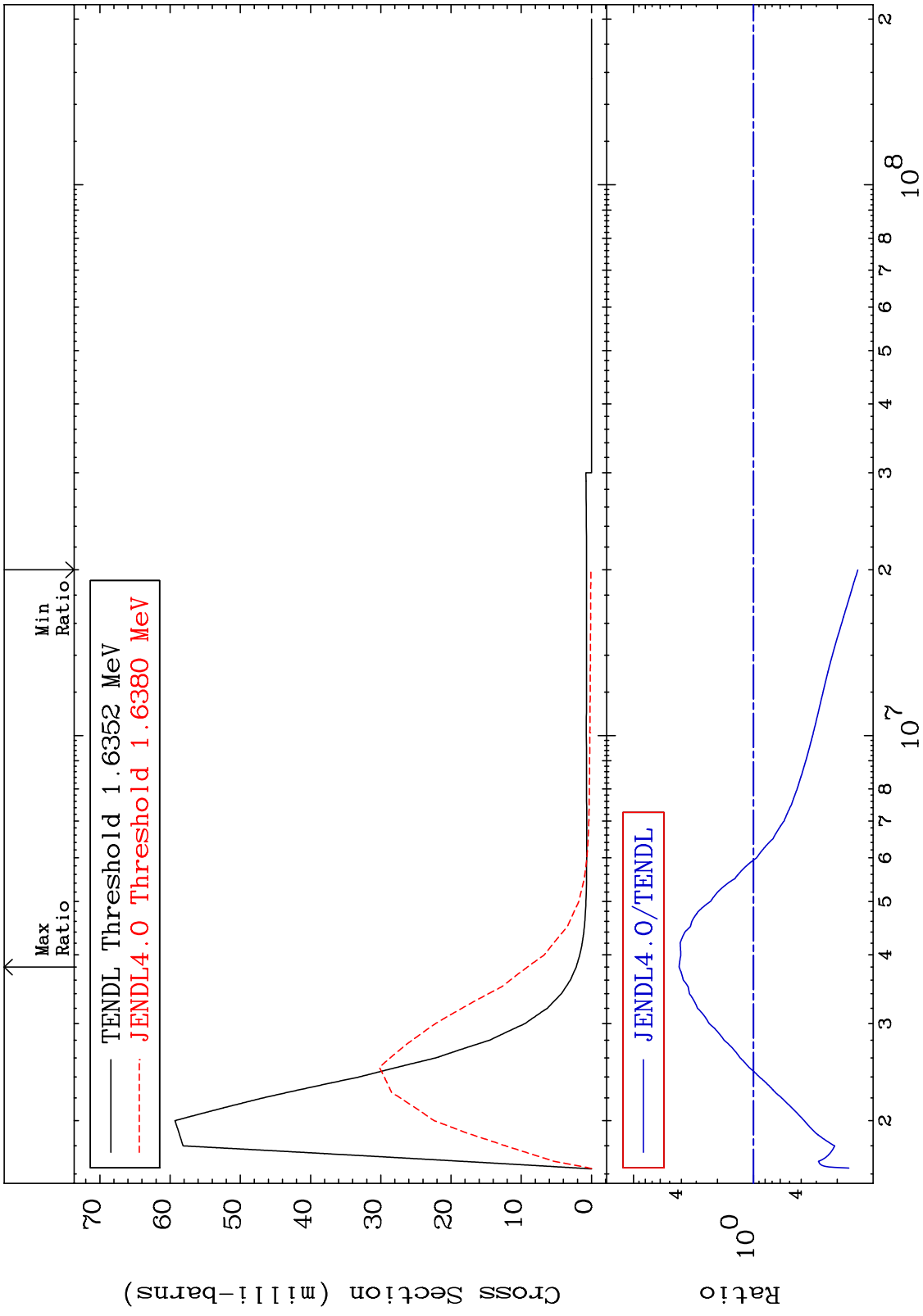
MAT 6625 MT= 72 (n,n') Level Cross Section 66-Dy-156
 -77.25 To 641.2 %



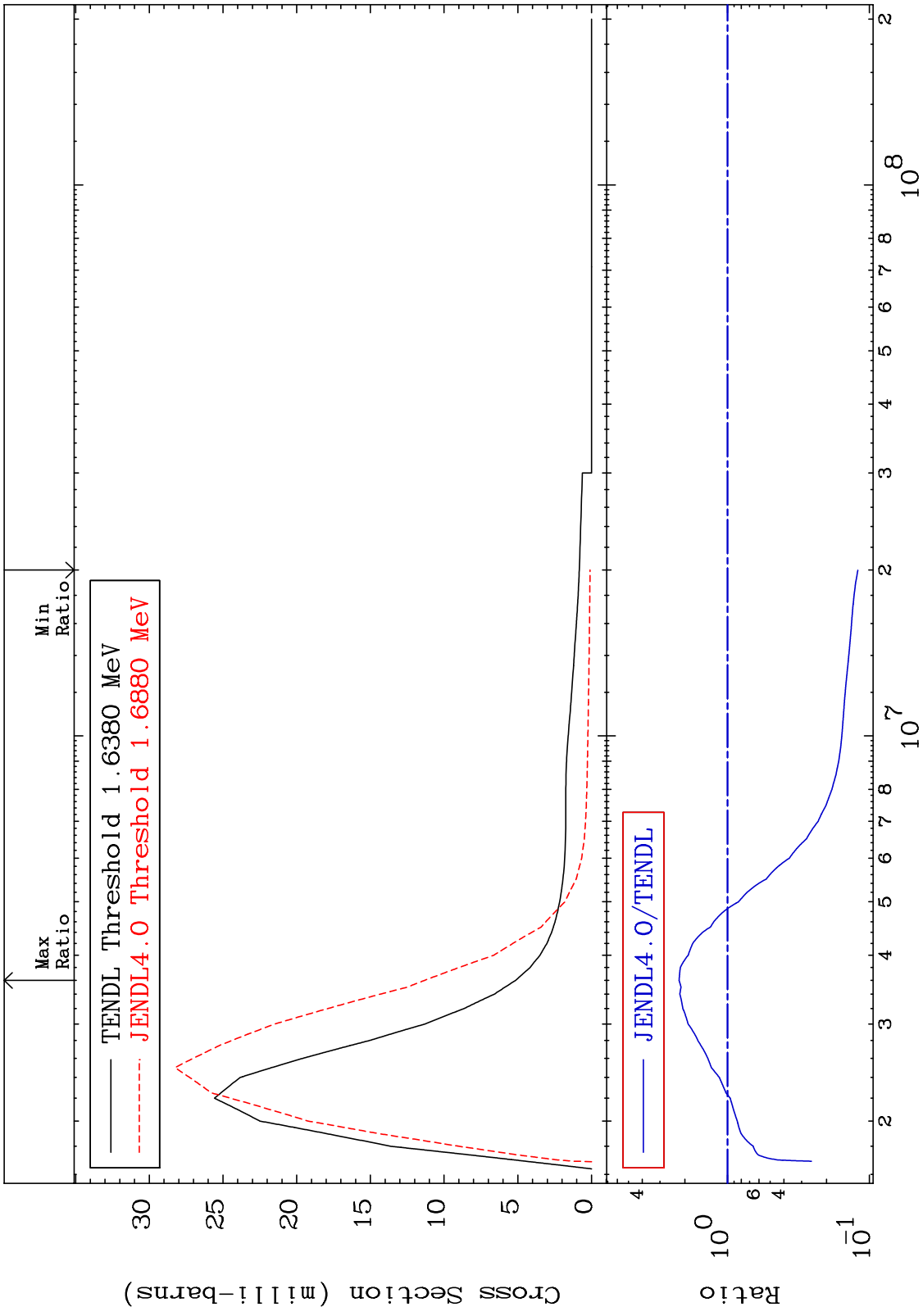
MAT 6625 MT= 73 (n,n') Level Cross Section 66-Dy-156 -96.64 To 45.94 %



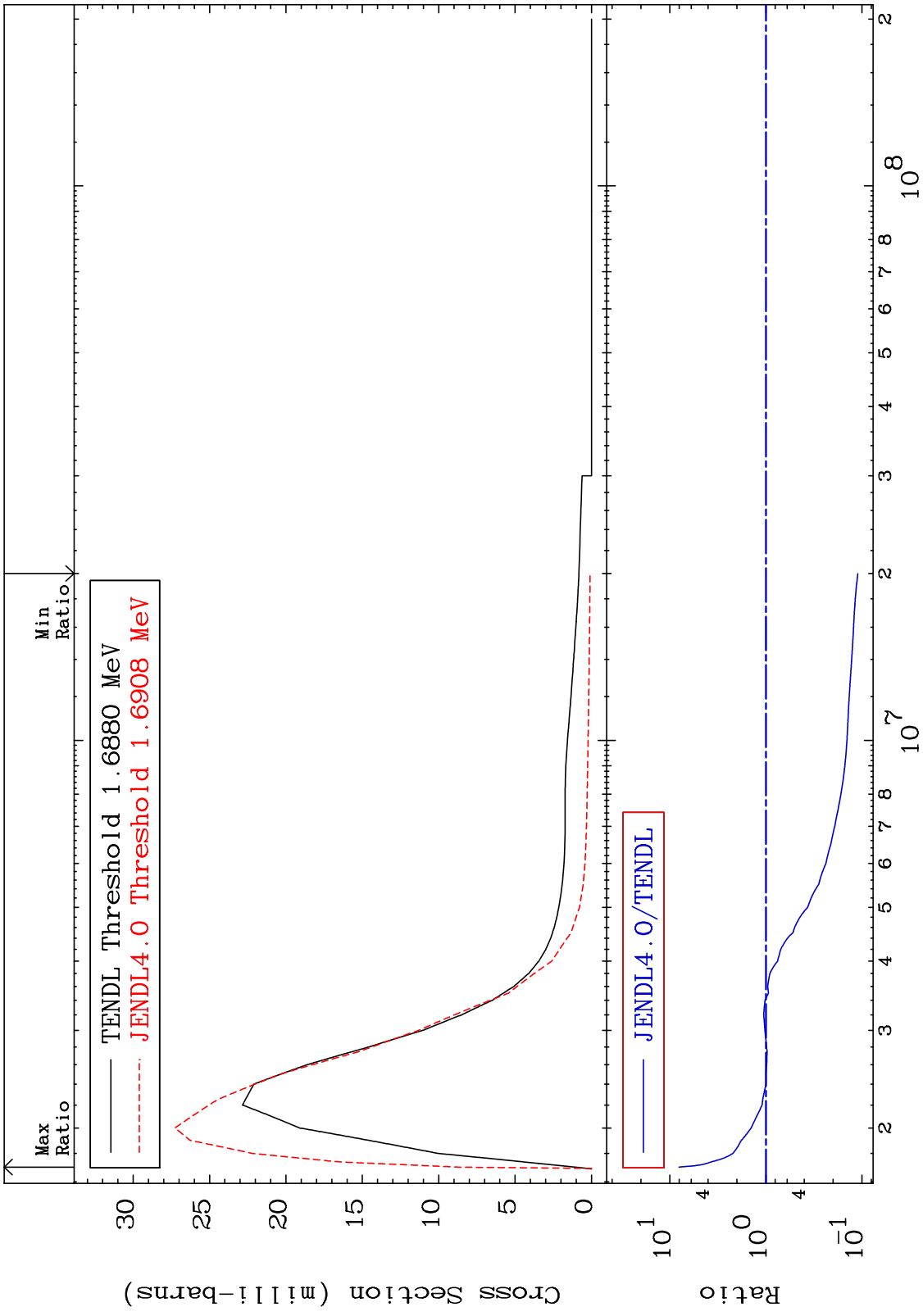
MAT 6625 MT= 74 (n,n') Level Cross Section 66-Dy-156 -86.52 To 317.7 %



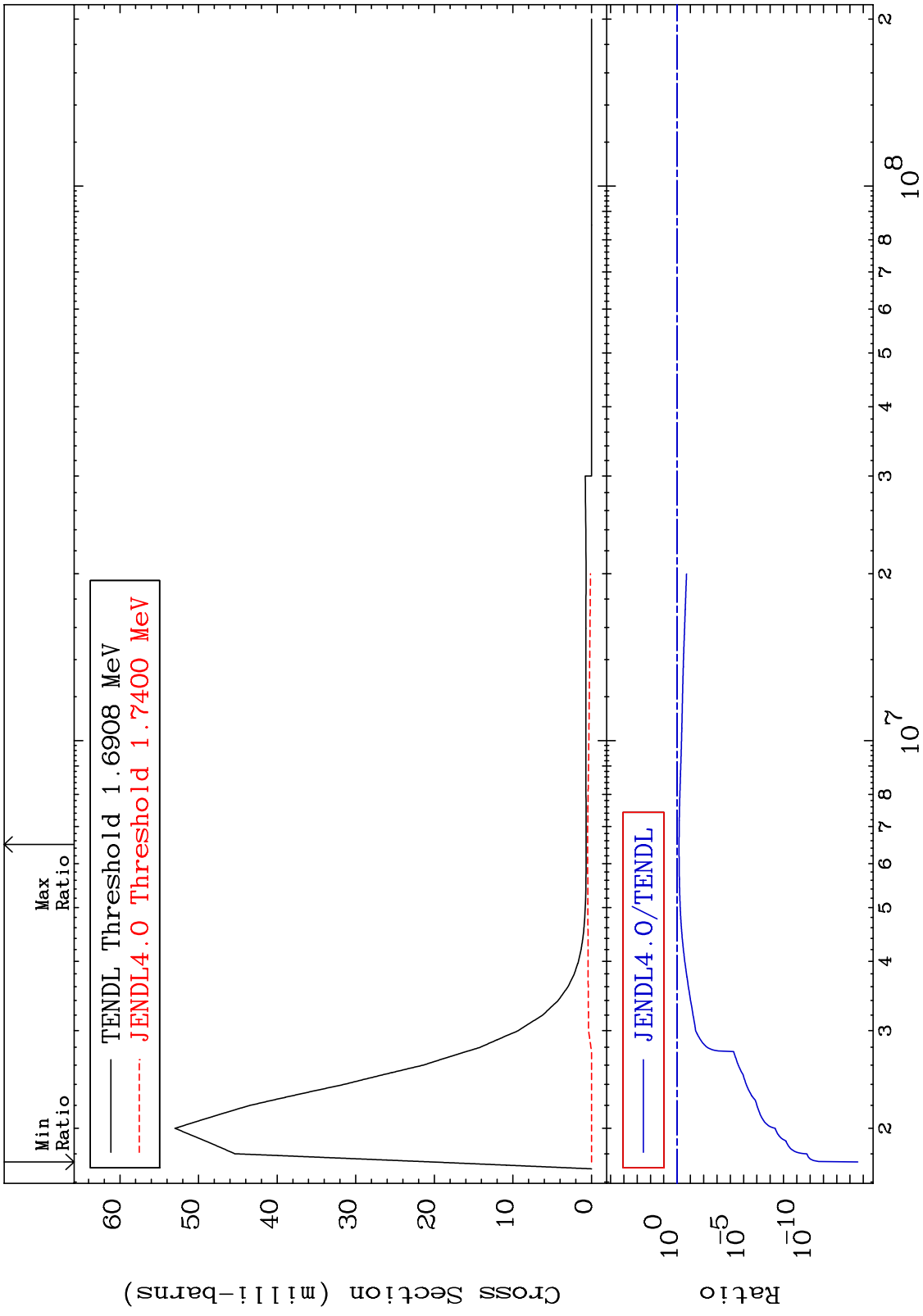
MAT 6625 MT= 75 (n,n') Level Cross Section 66-Dy-156
 -87.96 To 120.0 %



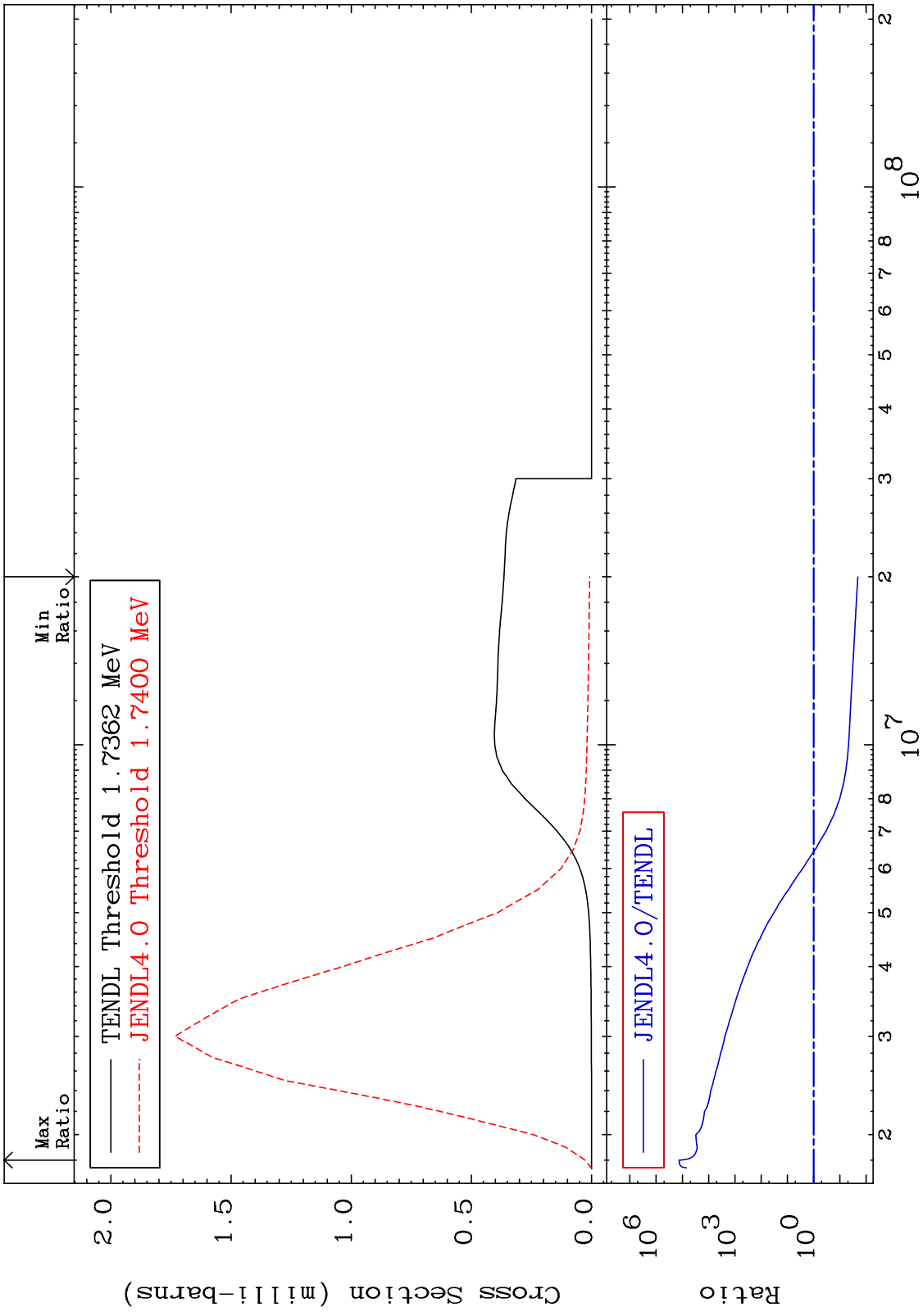
MAT 6625 MT= 76 (n,n') Level Cross Section 66-Dy-156 -88.97 To 703.0 %



MAT 6625 MT= 77 (n,n') Level Cross Section 66-Dy-156 -100.0 To -29.10%



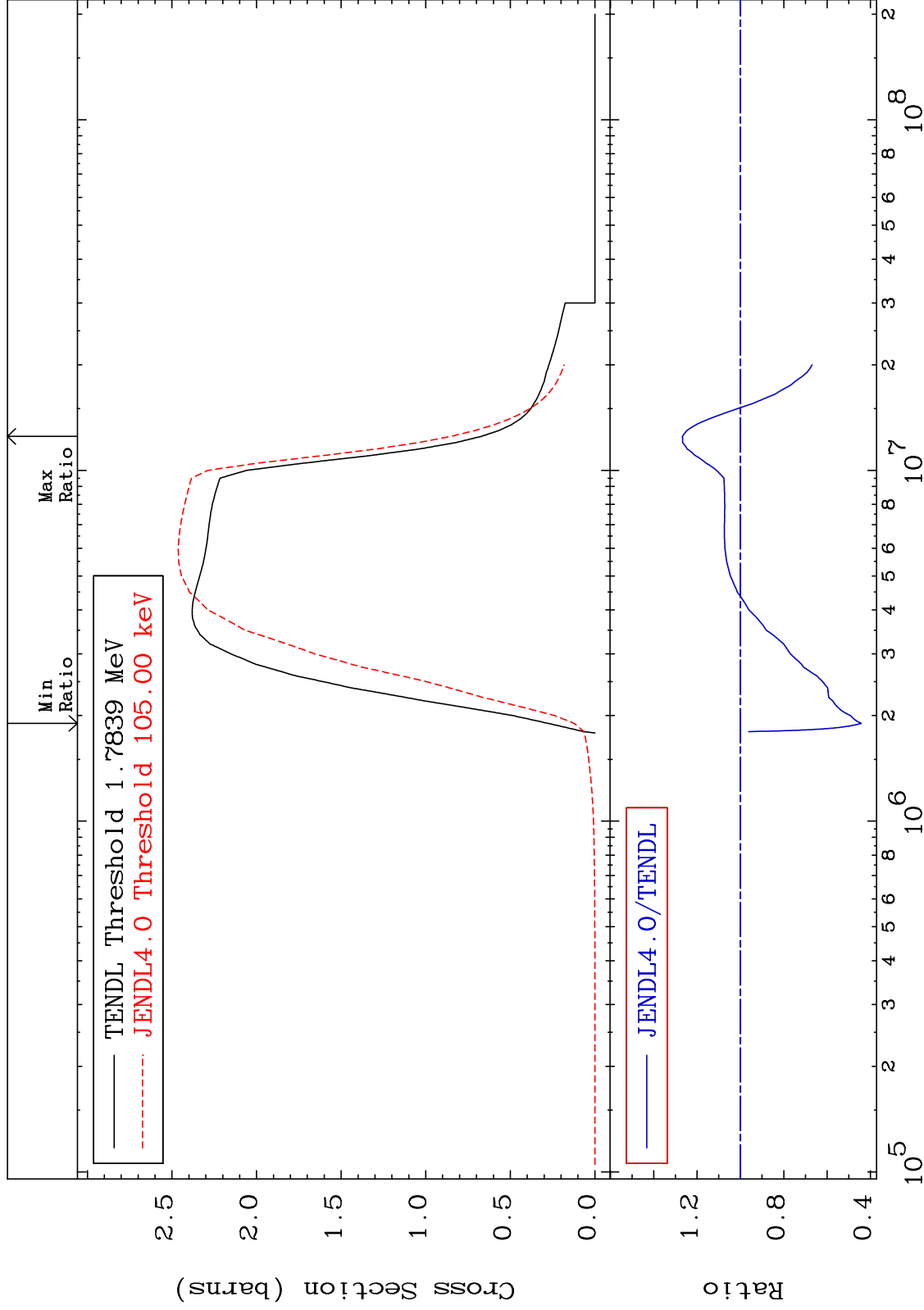
MAT 6625 MT= 78 (n,n') Level Cross Section 66-Dy-156
 -97.92 To 9999. %



MAT 6625

(n, n') Continuum
Cross Section

66-Dy-156
-55.80 To 26.76 %



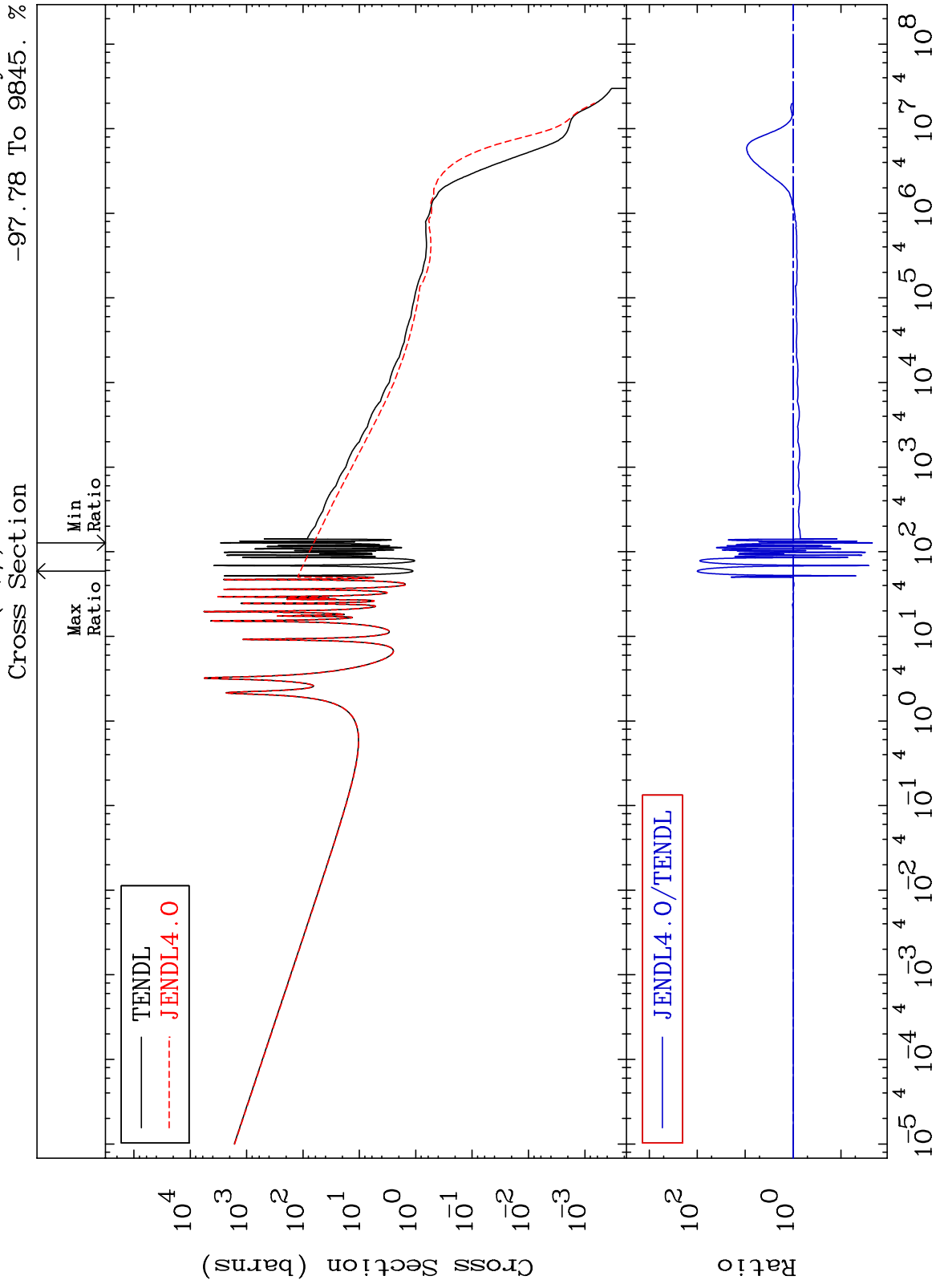
66-Dy-156

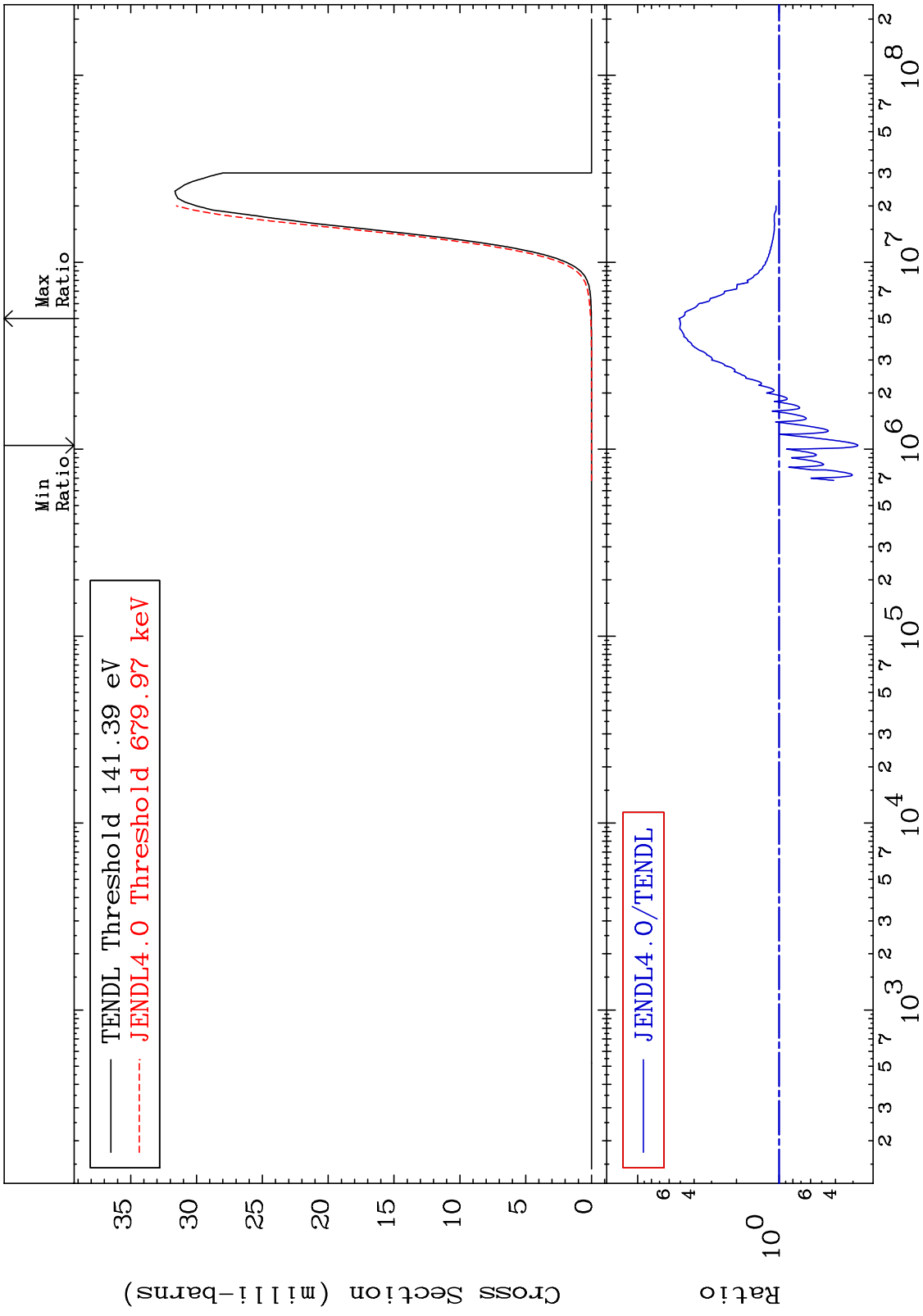
40

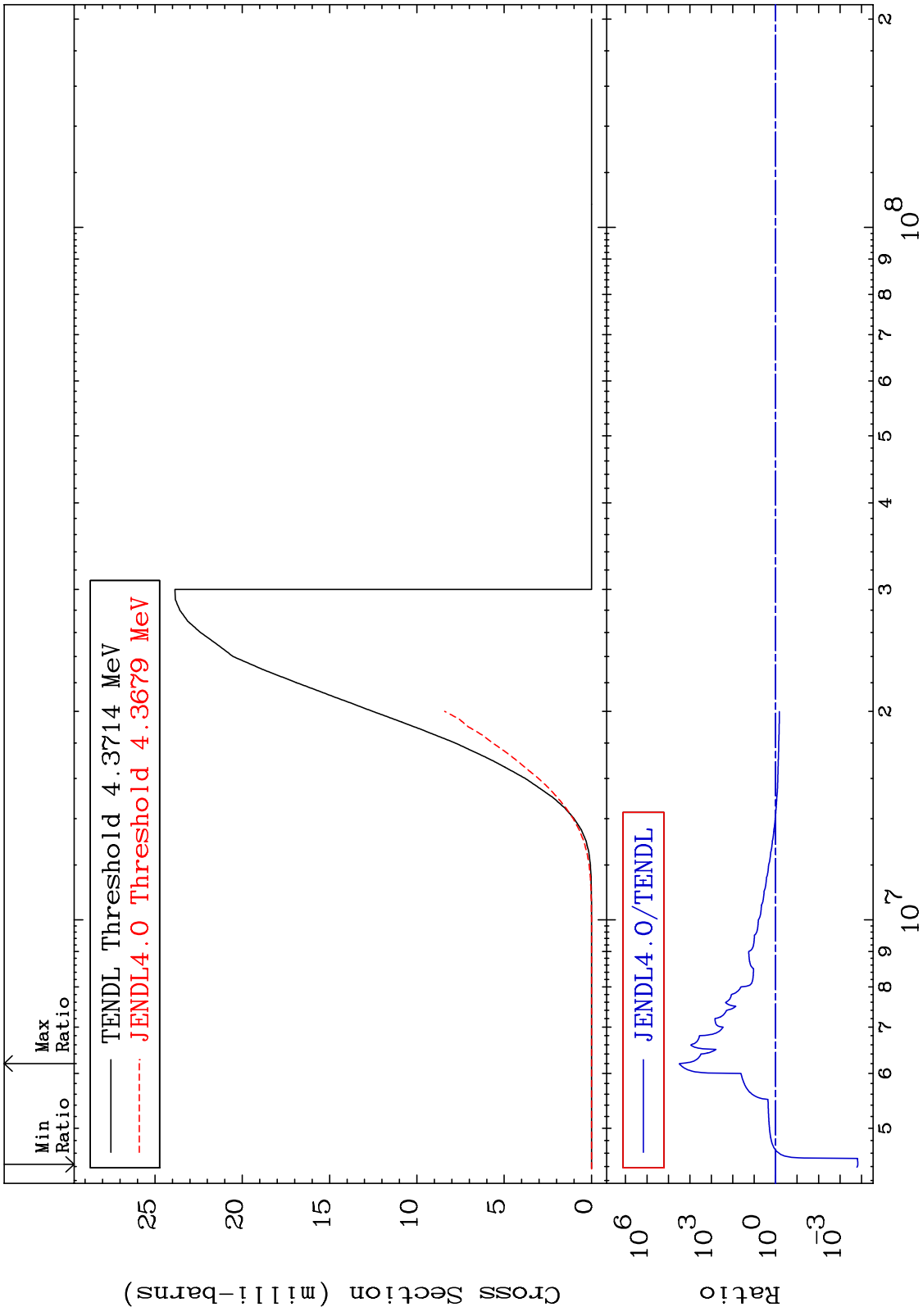
MAT 6625

(n, γ)

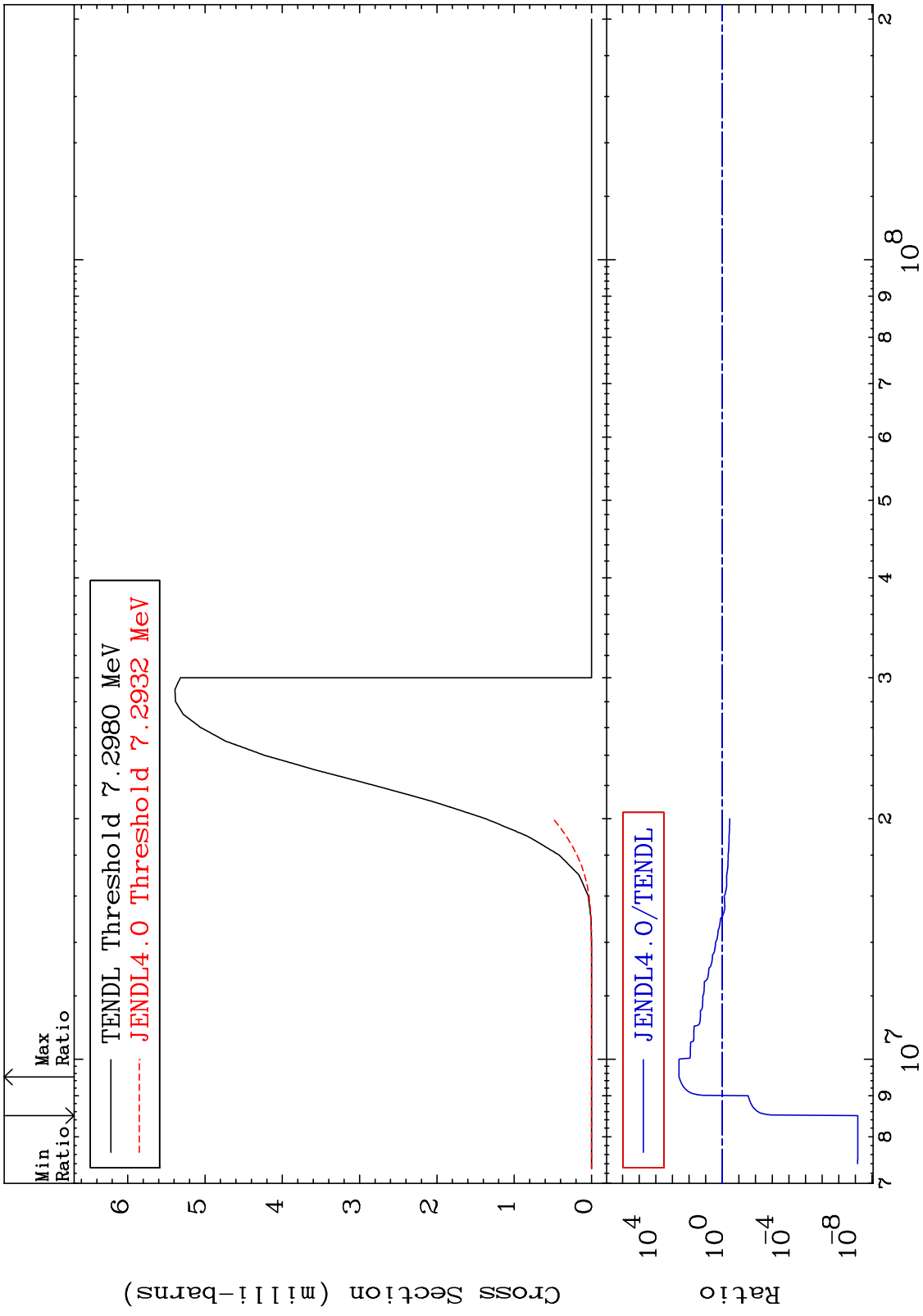
66-Dy-156
-97.78 To 9845. %



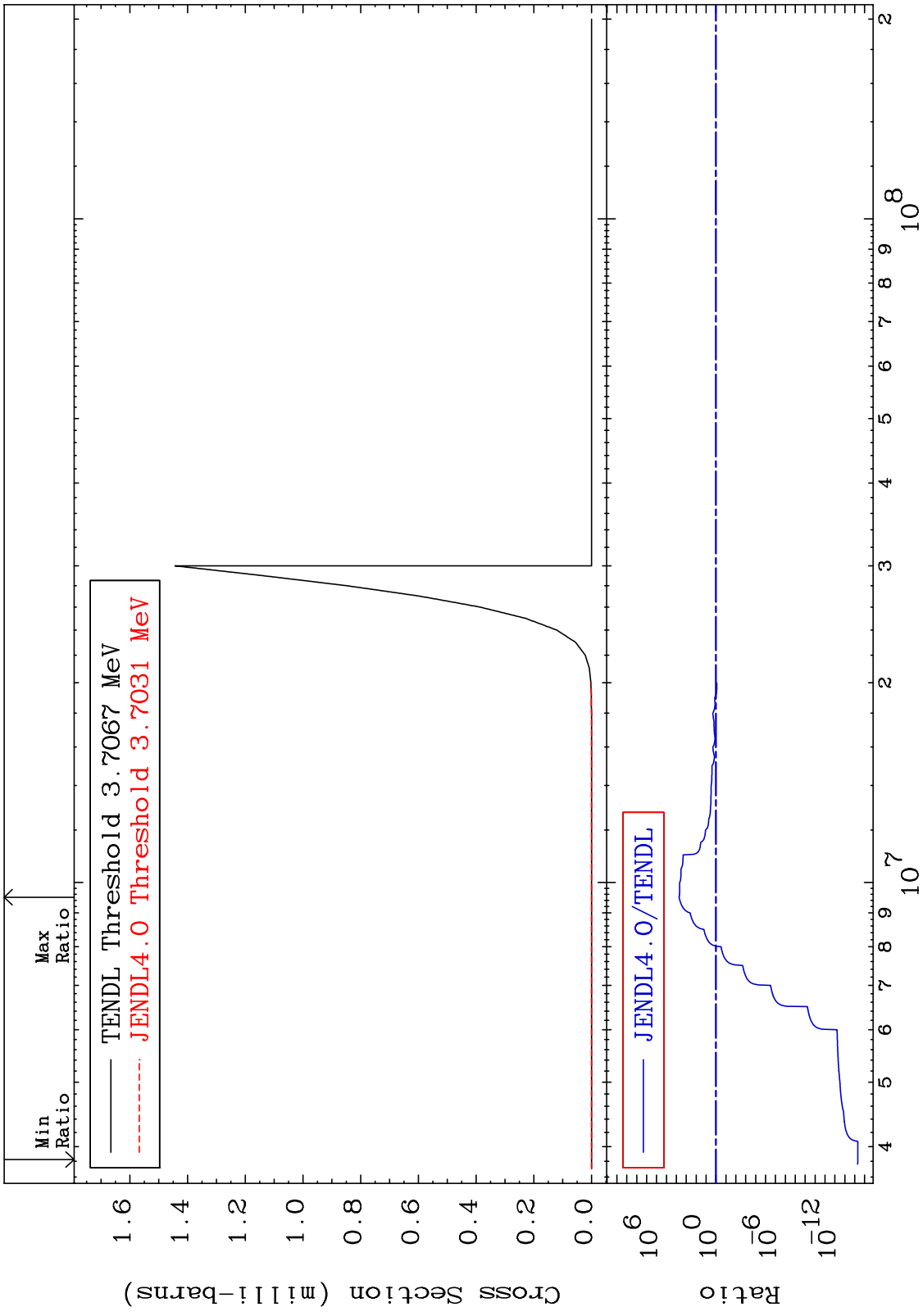




MAT 6625 (n,t) 66-Dy-156
 Cross Section -100.0 To 9999. %

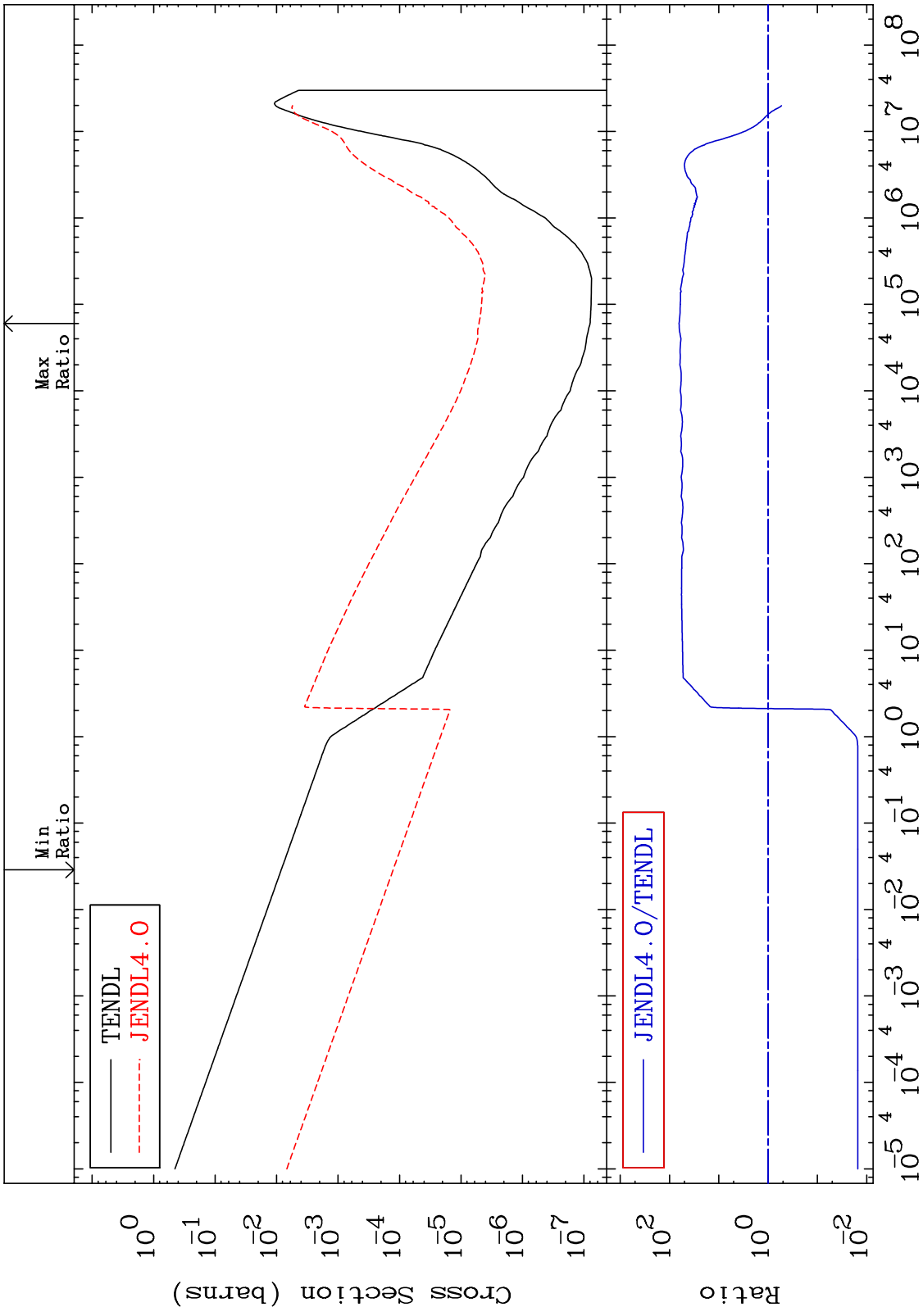


MAT 6625 (n, He-3) 66-Dy-156
 Cross Section -100.0 To 9999. %

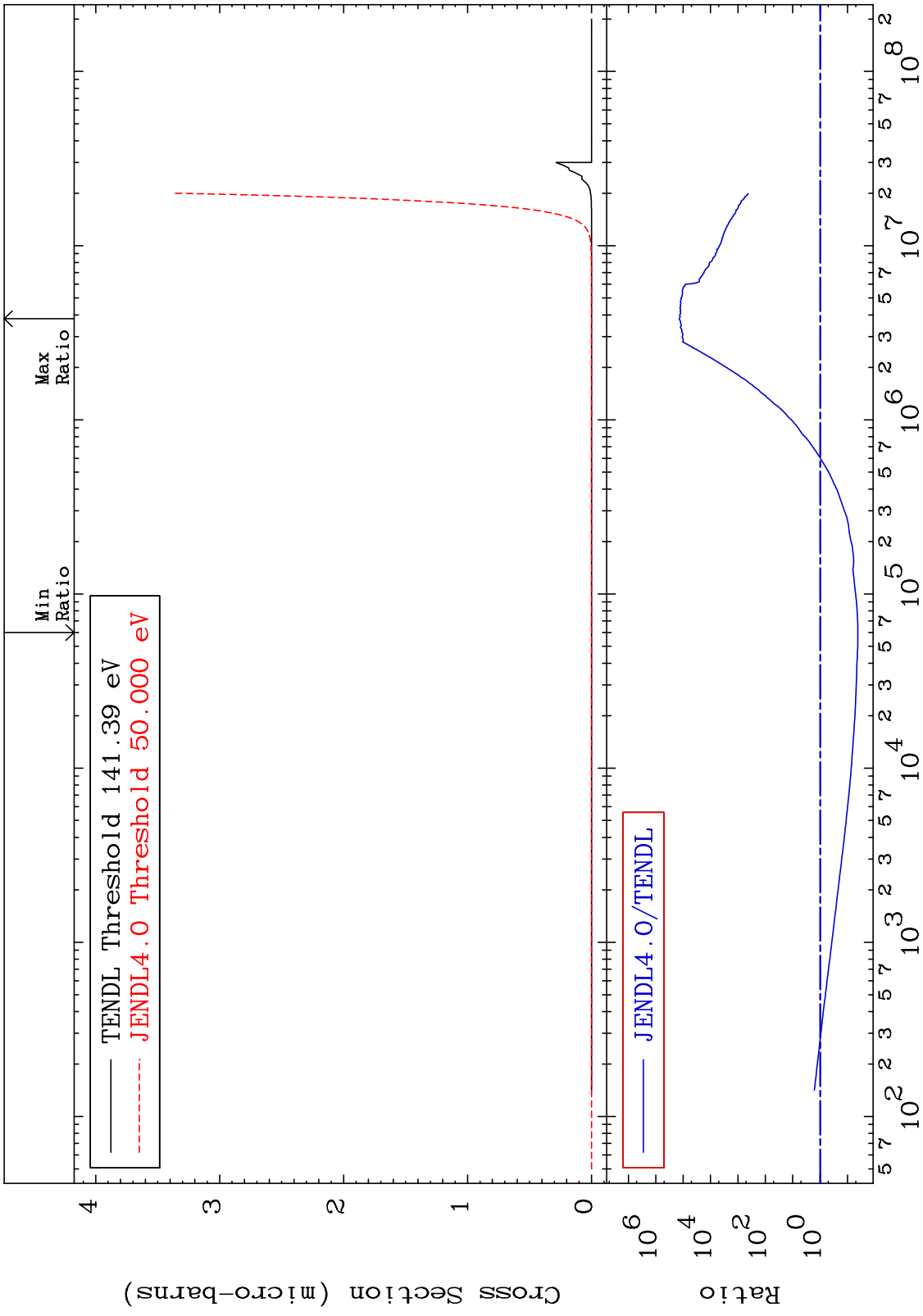


45 Incident Energy (eV) 66-Dy-156

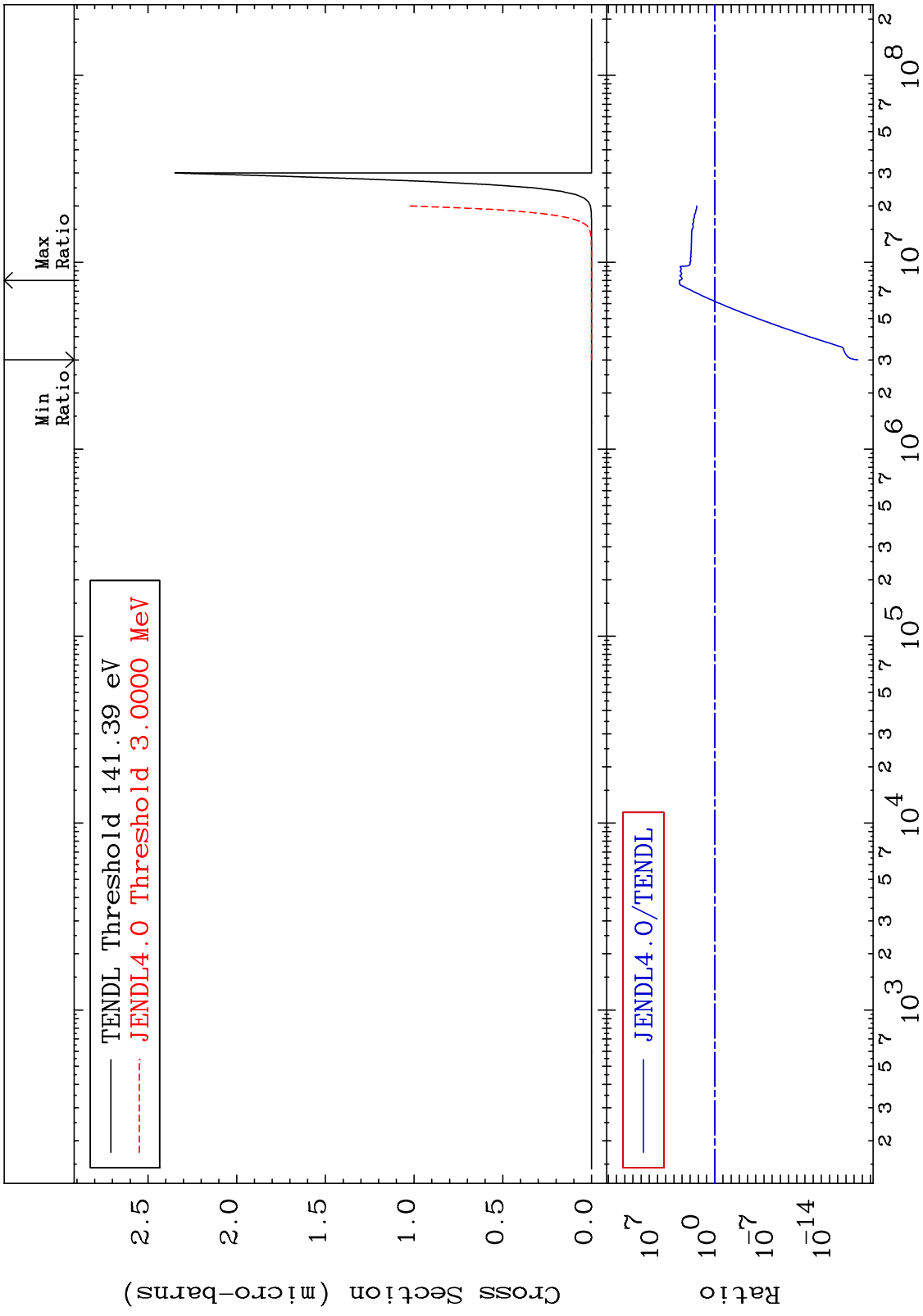
MAT 6625 66-Dy-156
-98.49 To 6314. %
 (n, α)
 Cross Section



MAT 6625 (n,2α) Cross Section 66-Dy-156 -95.80 To 9999. %



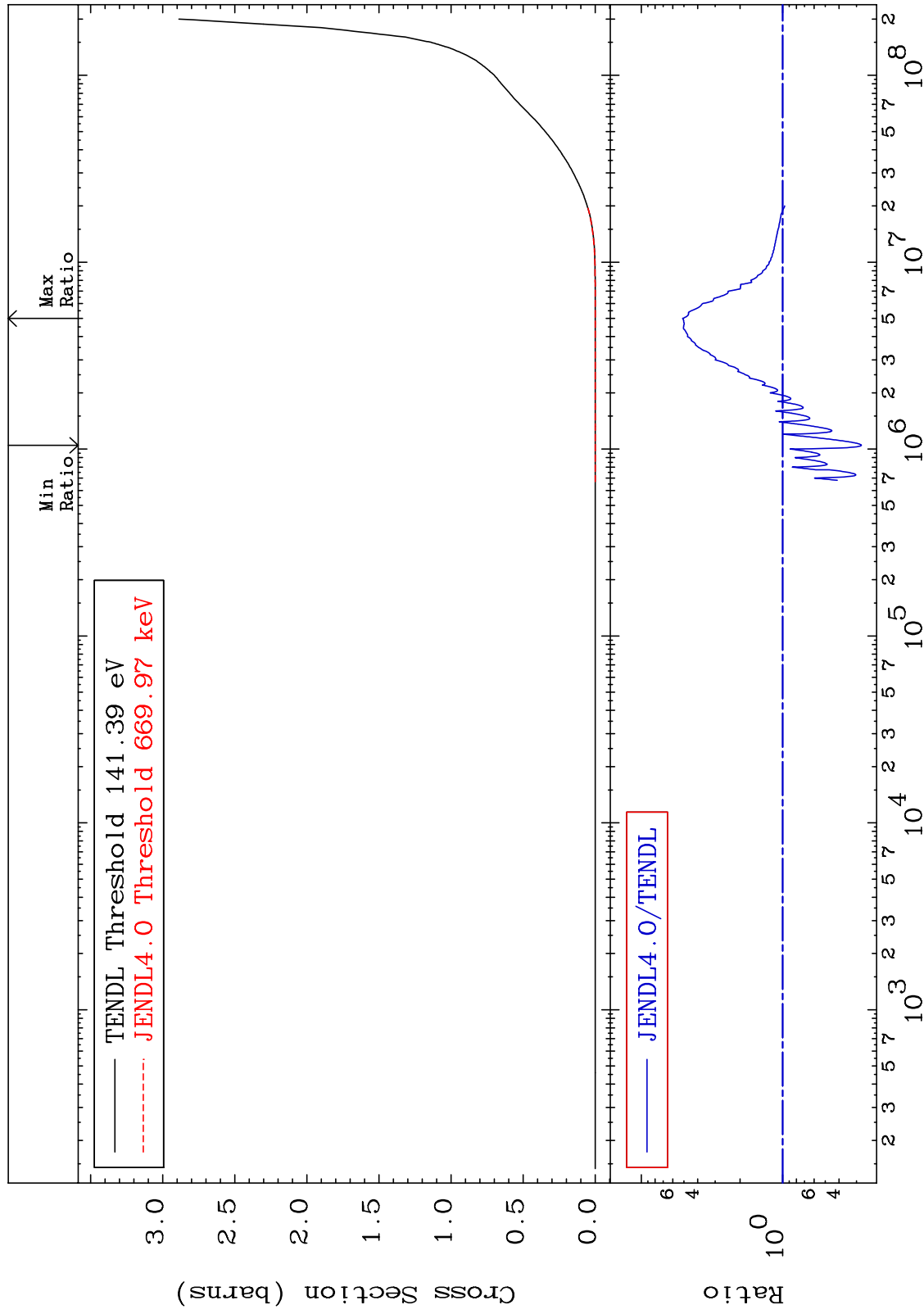
MAT 6625 (n,p) α 66-Dy-156
 Cross Section -100.0 To 9999. %

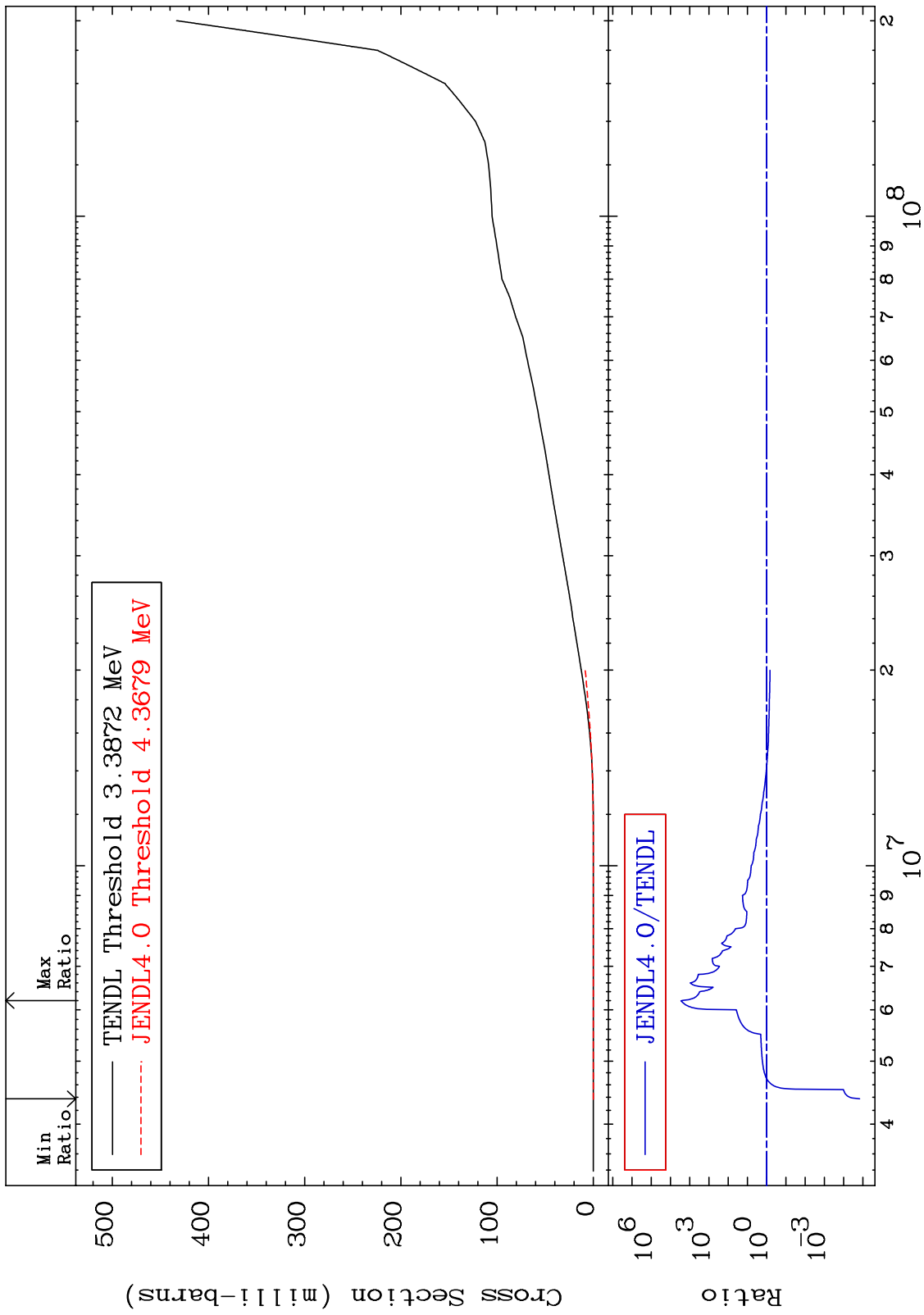


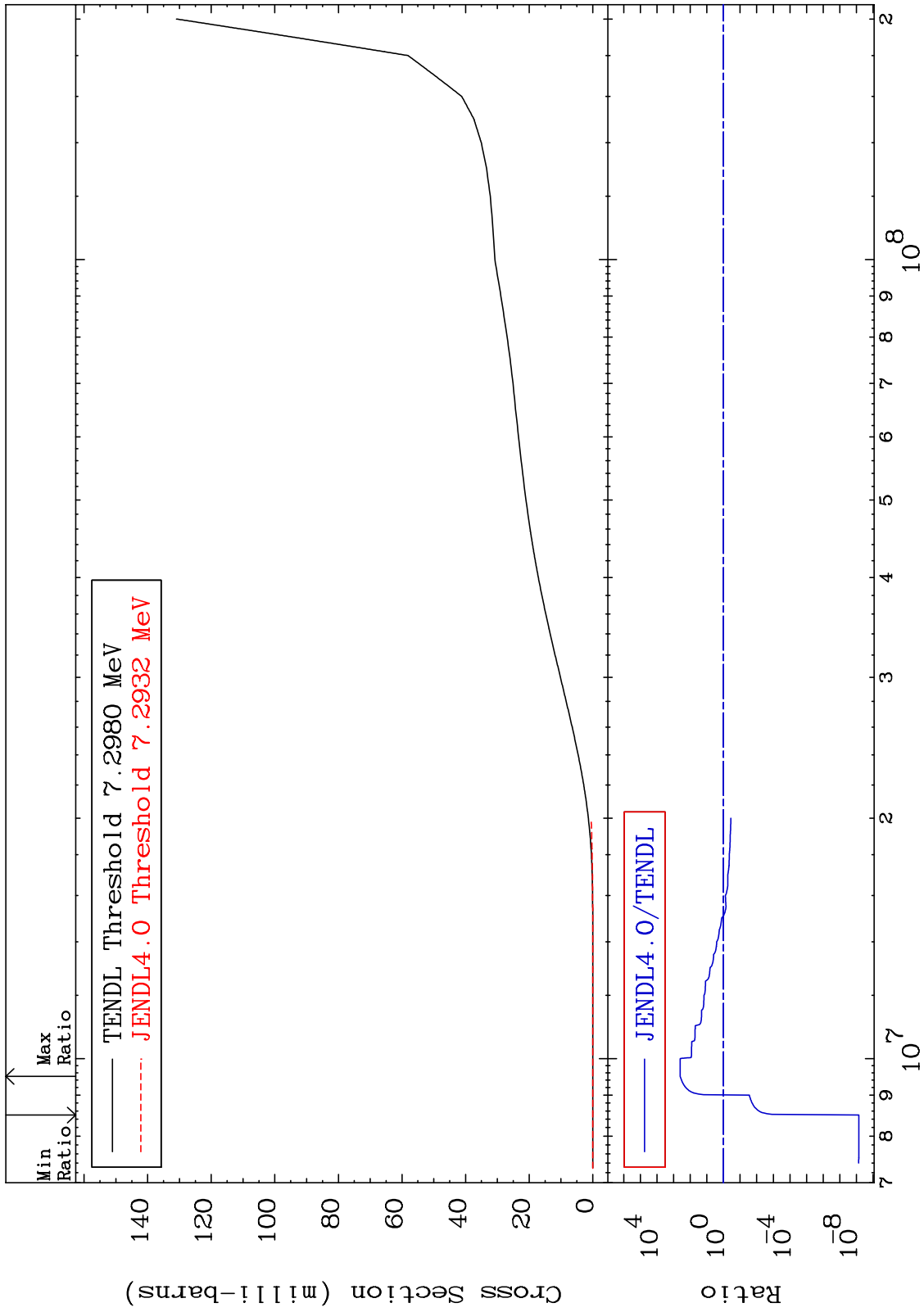
MAT 6625

Hydrogen Production Cross Section

66-Dy-156
-72.24 To 410.0 %



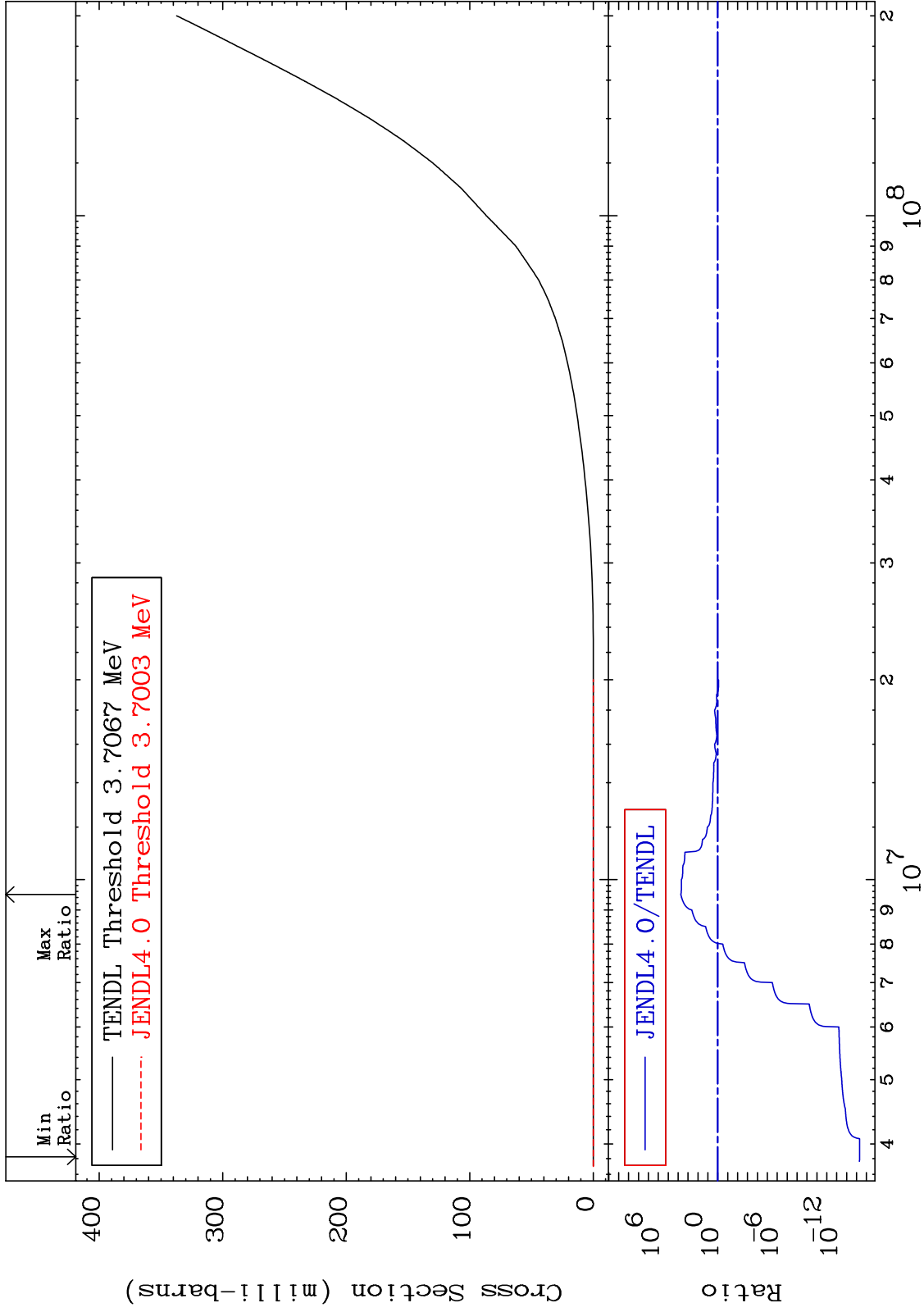




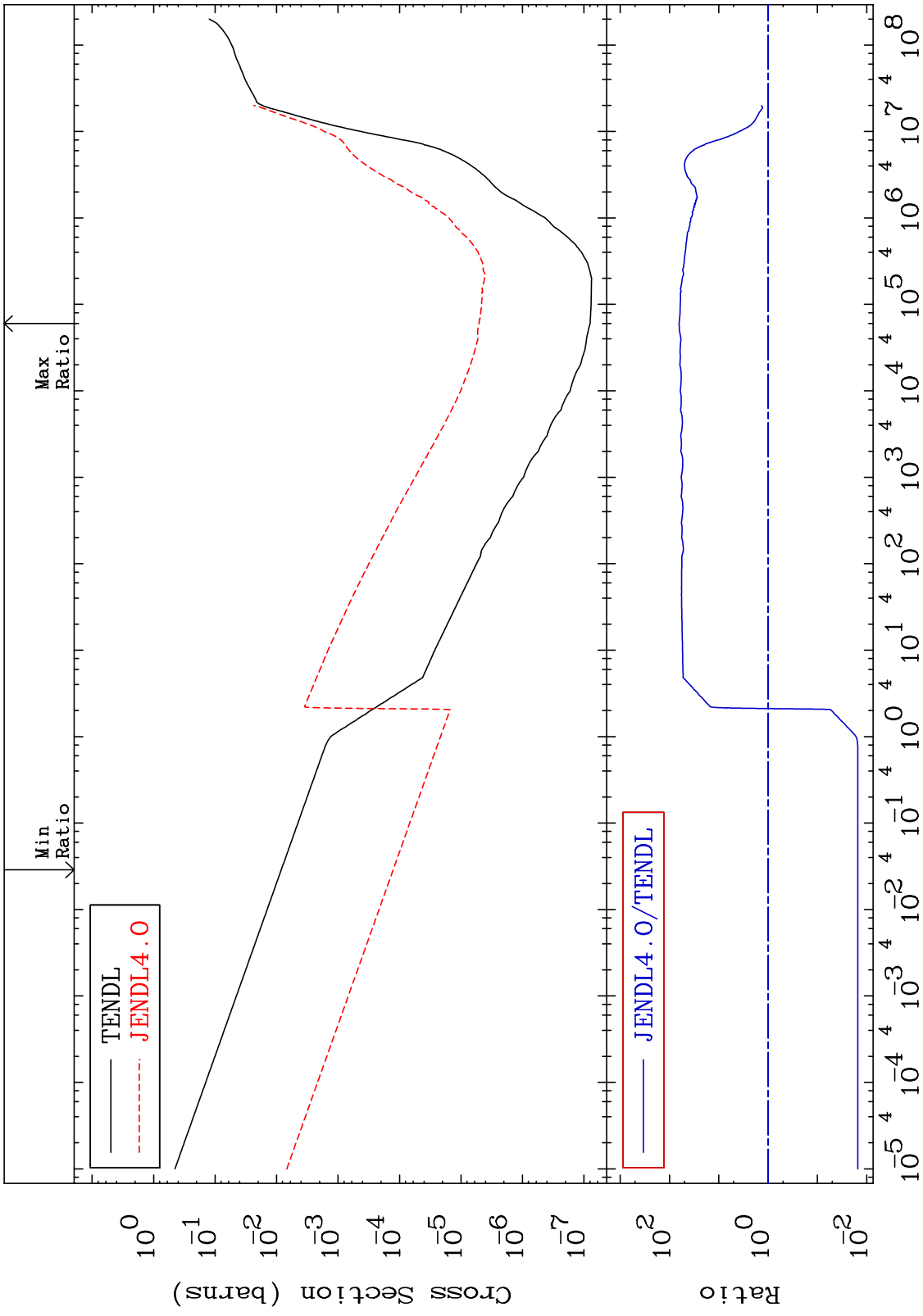
MAT 6625

He-3 Production
Cross Section

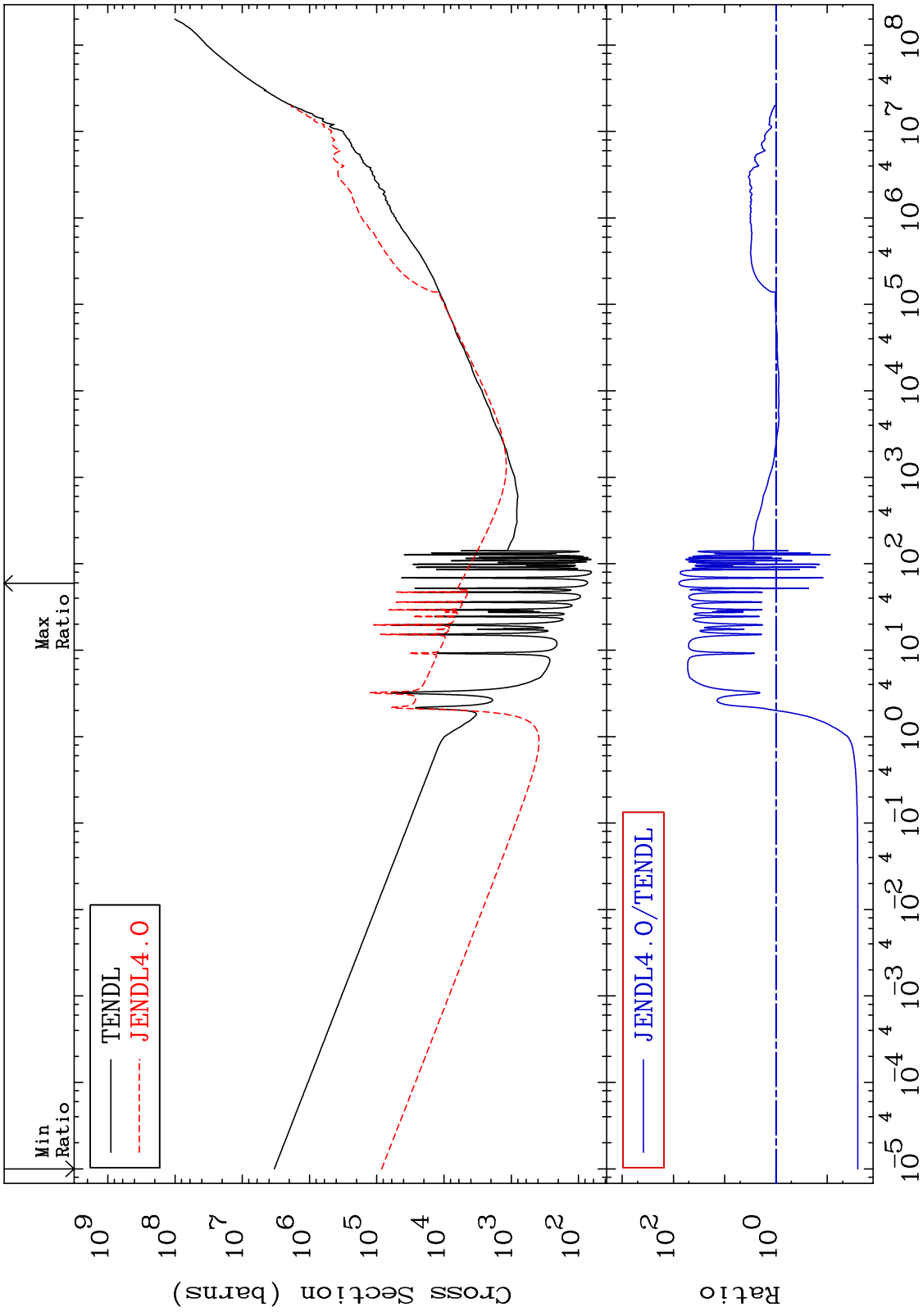
66-Dy-156
-100.0 To 9999. %



MAT 6625 He-4 Production Cross Section 66-Dy-156
 -98.49 To 6314. %



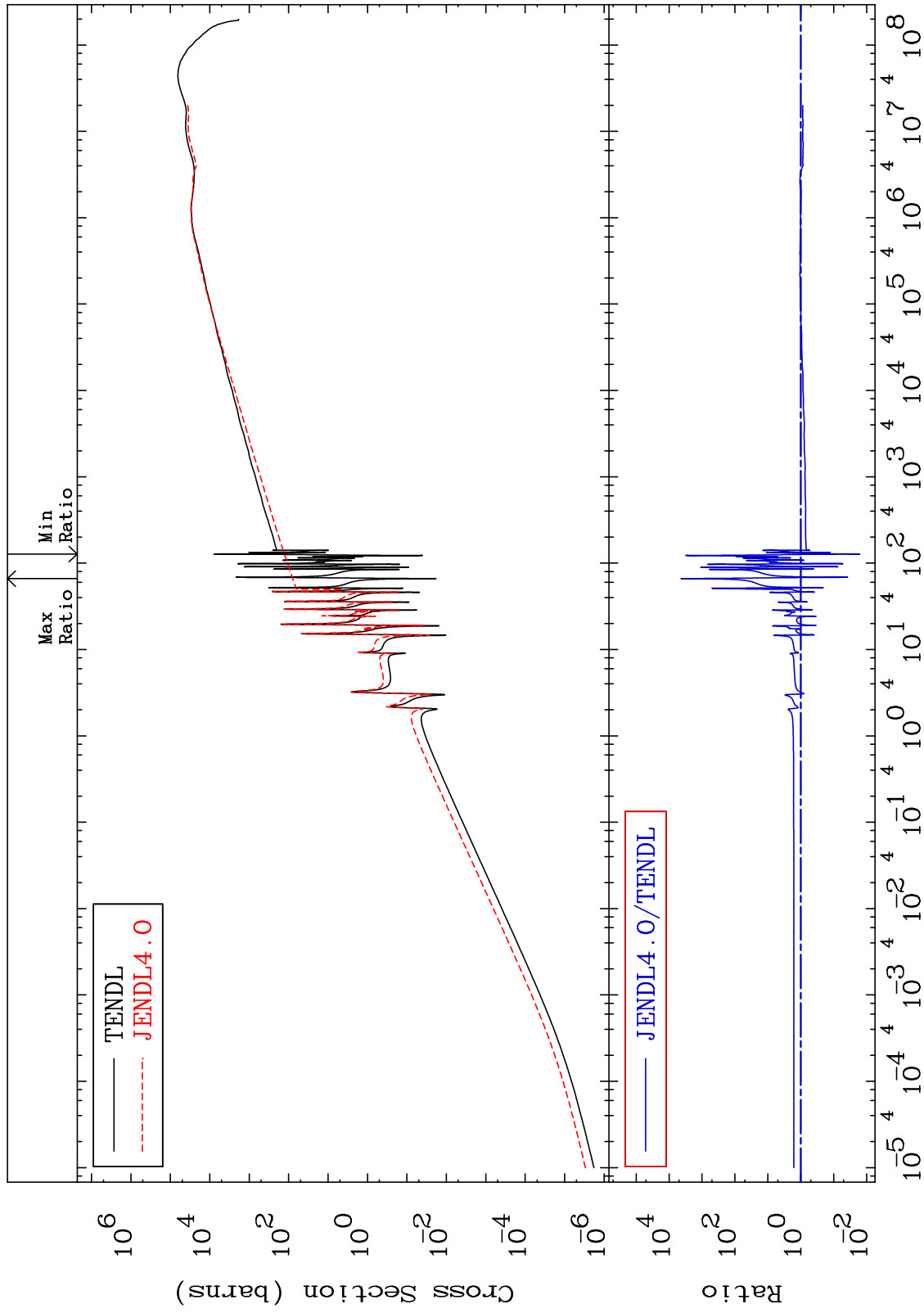
MAT 6625 Kerma total (eV-barns) 66-Dy-156
 Cross Section -97.47 To 7679. %



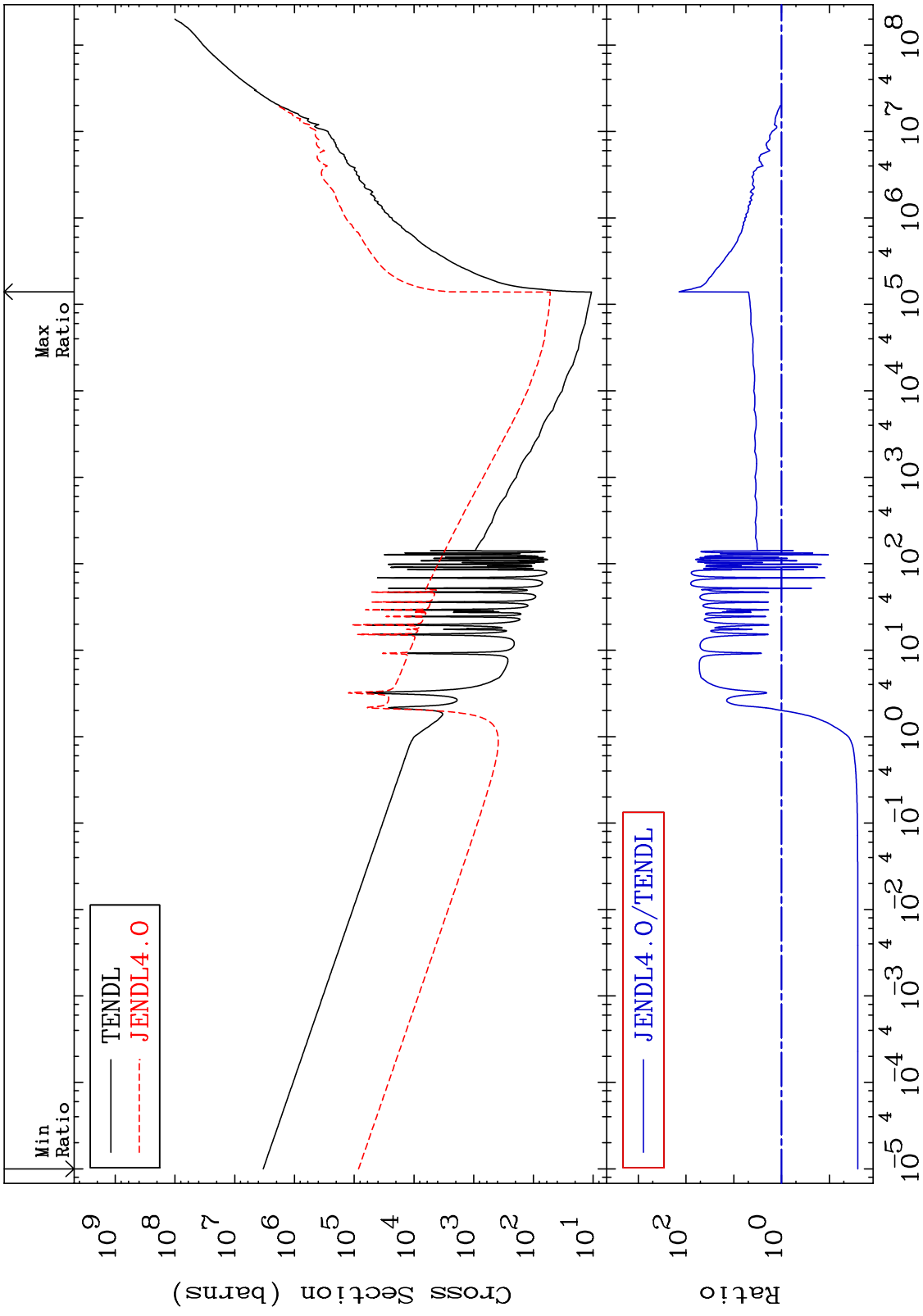
MAT 6625

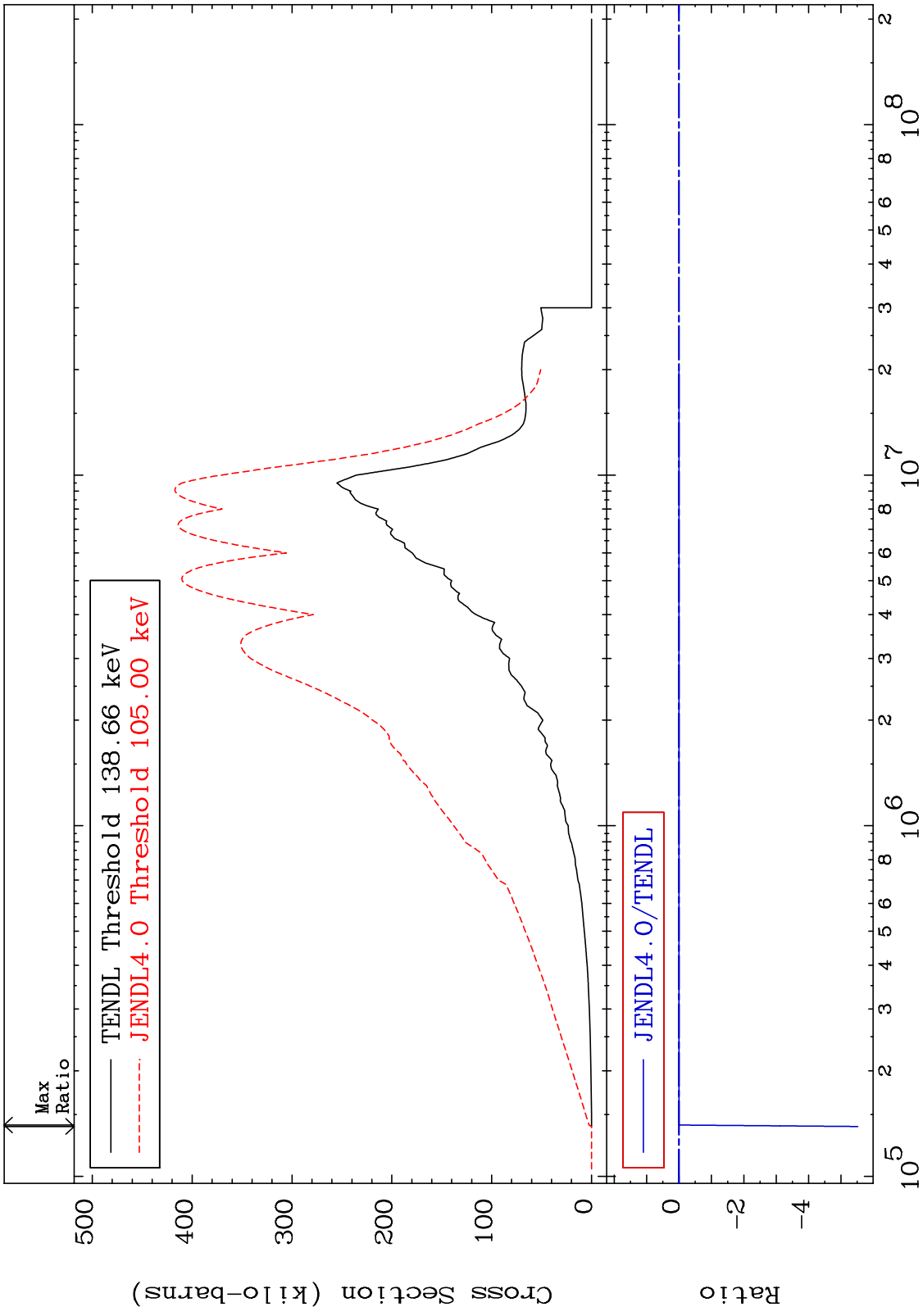
Kerma elastic
Cross Section

66-Dy-156
-98.38 To 9999. %



MAT 6625 Kerma non-elastic (all but mt2) 66-Dy-156
 Cross Section -97.47 To 9999. %

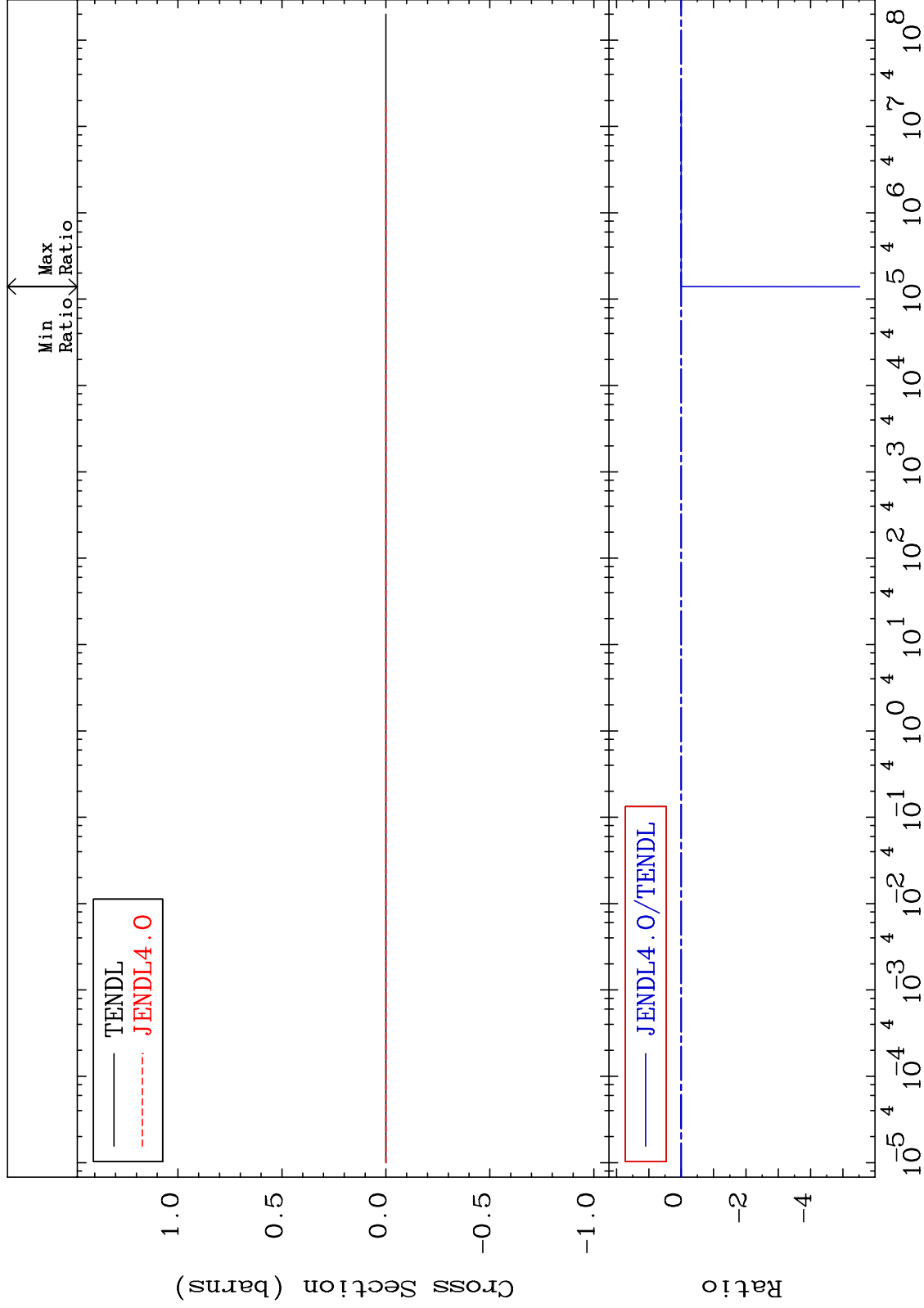




MAT 6625

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

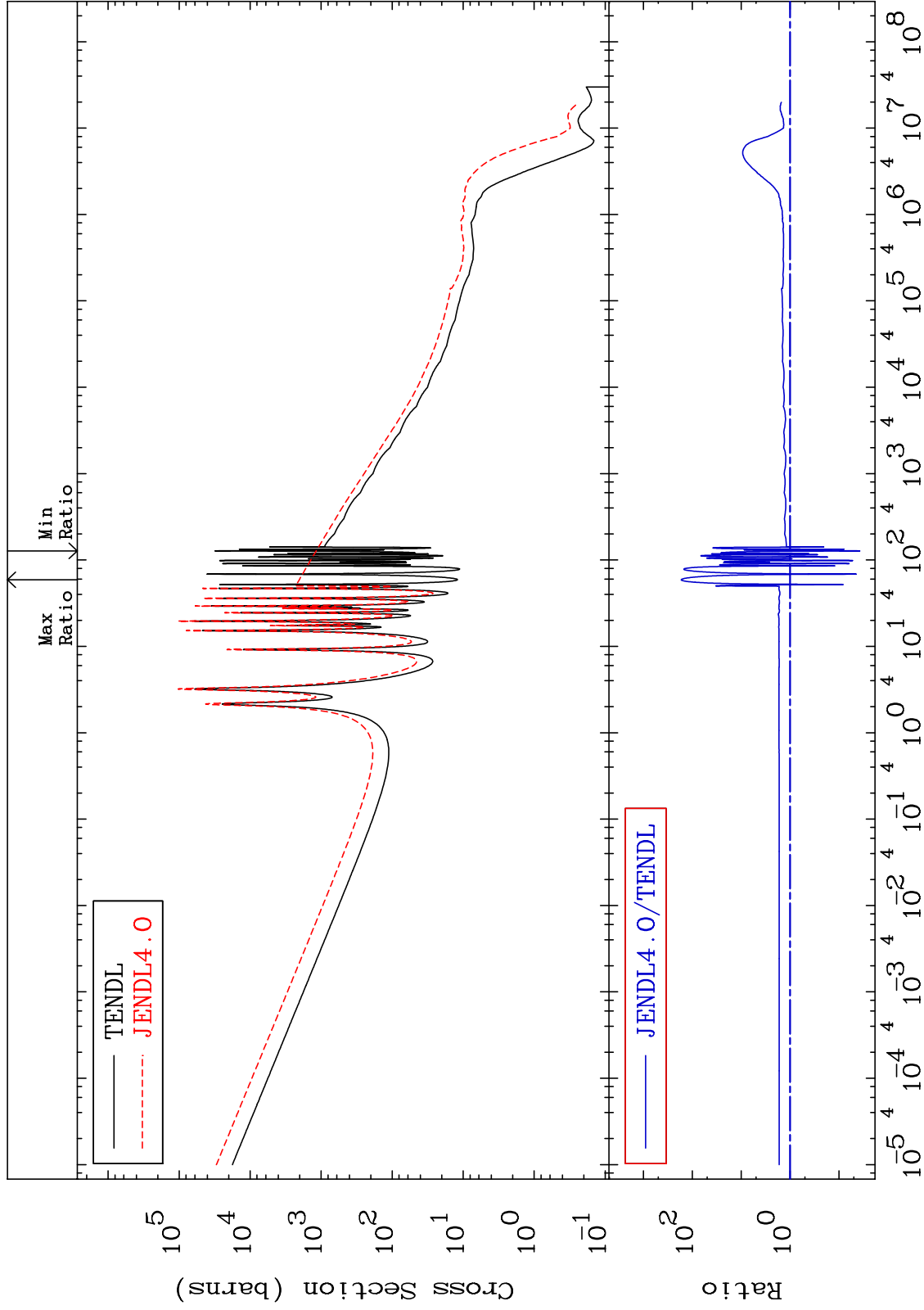
66-Dy-156
-9999. To 9999. %



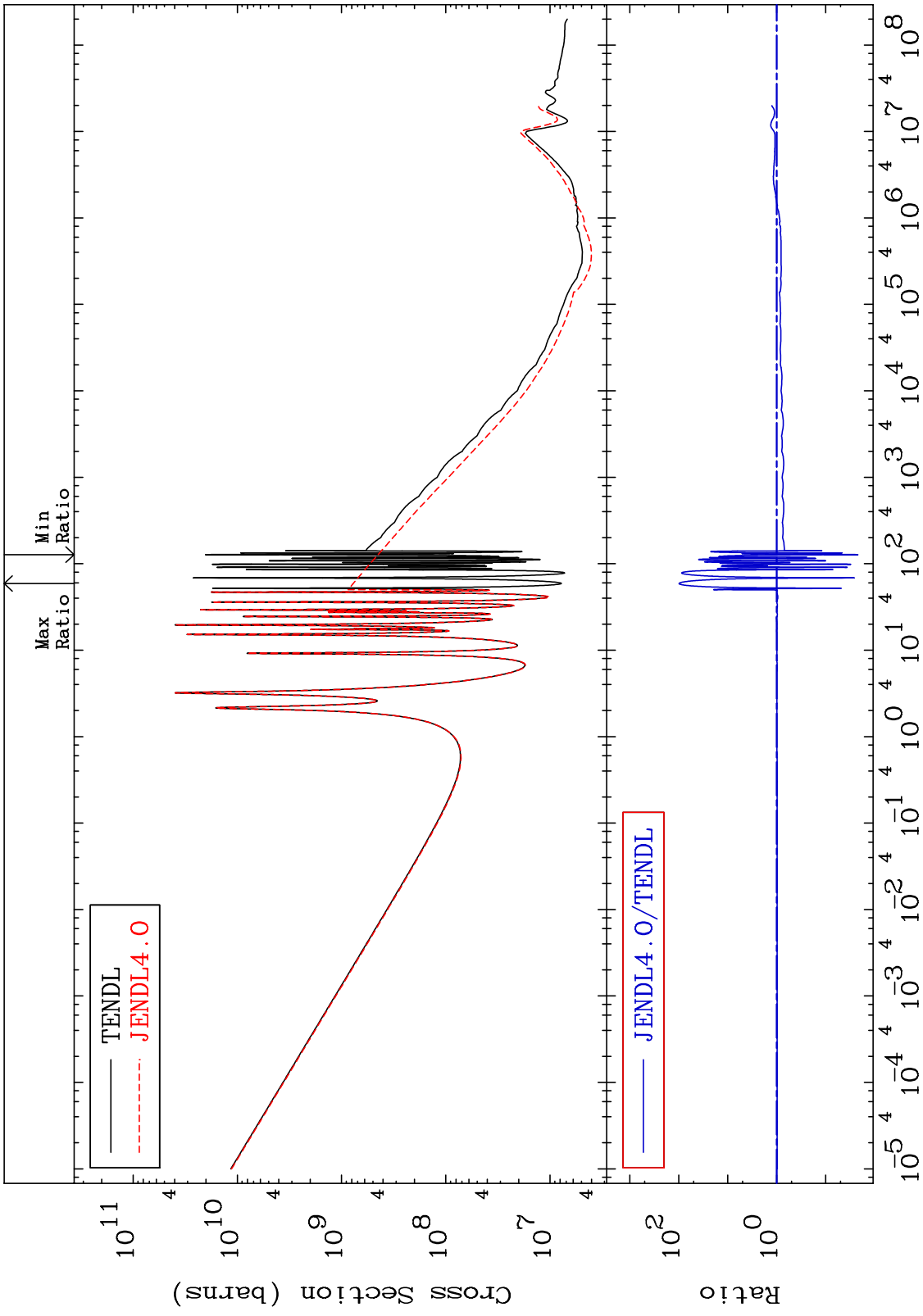
MAT 6625

Kerma capture (mt102)
Cross Section

66-Dy-156
-96.23 To 9999. %

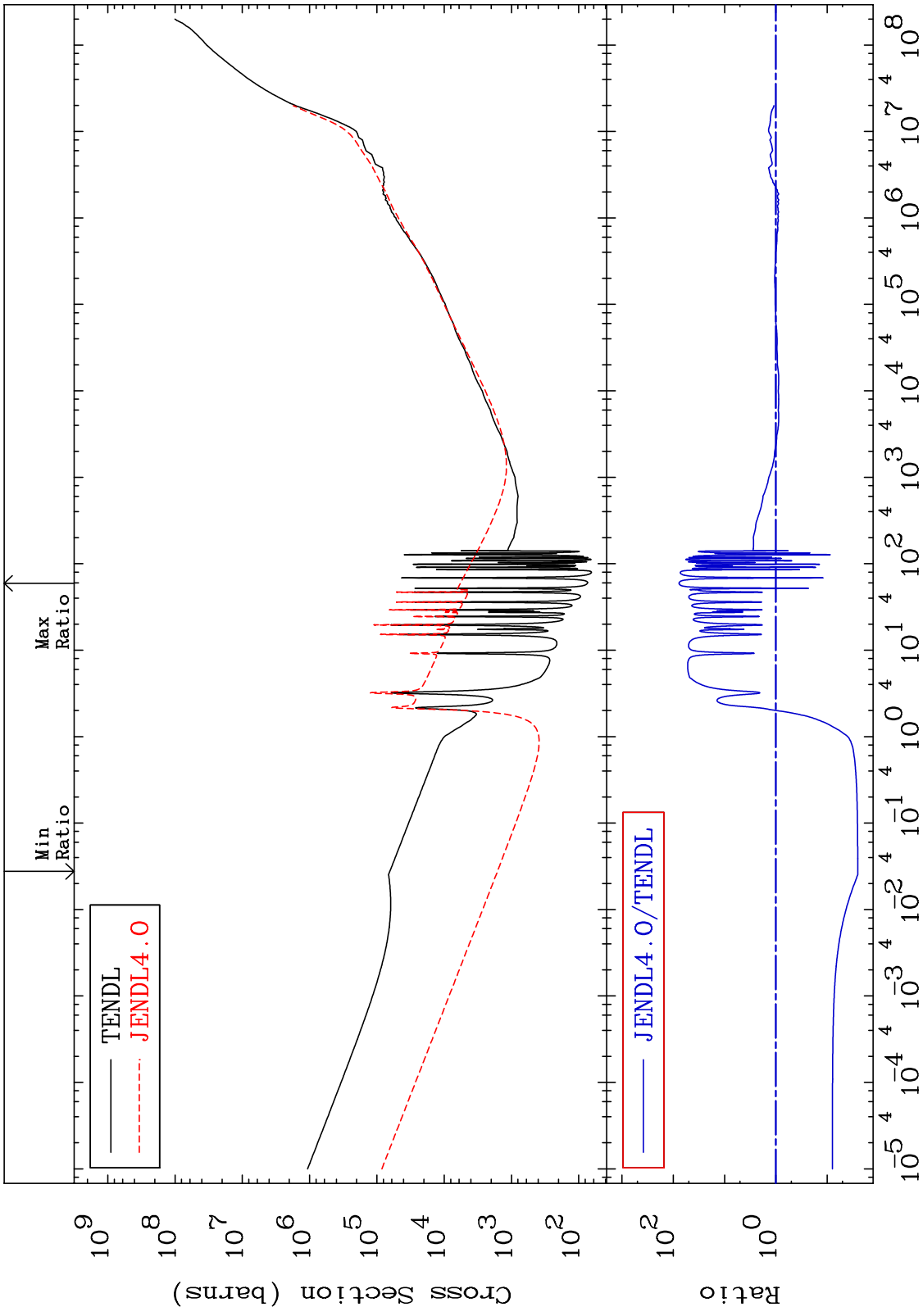


MAT 6625 Total photon (eV-barns) 66-Dy-156
 Cross Section -97.79 To 9811. %

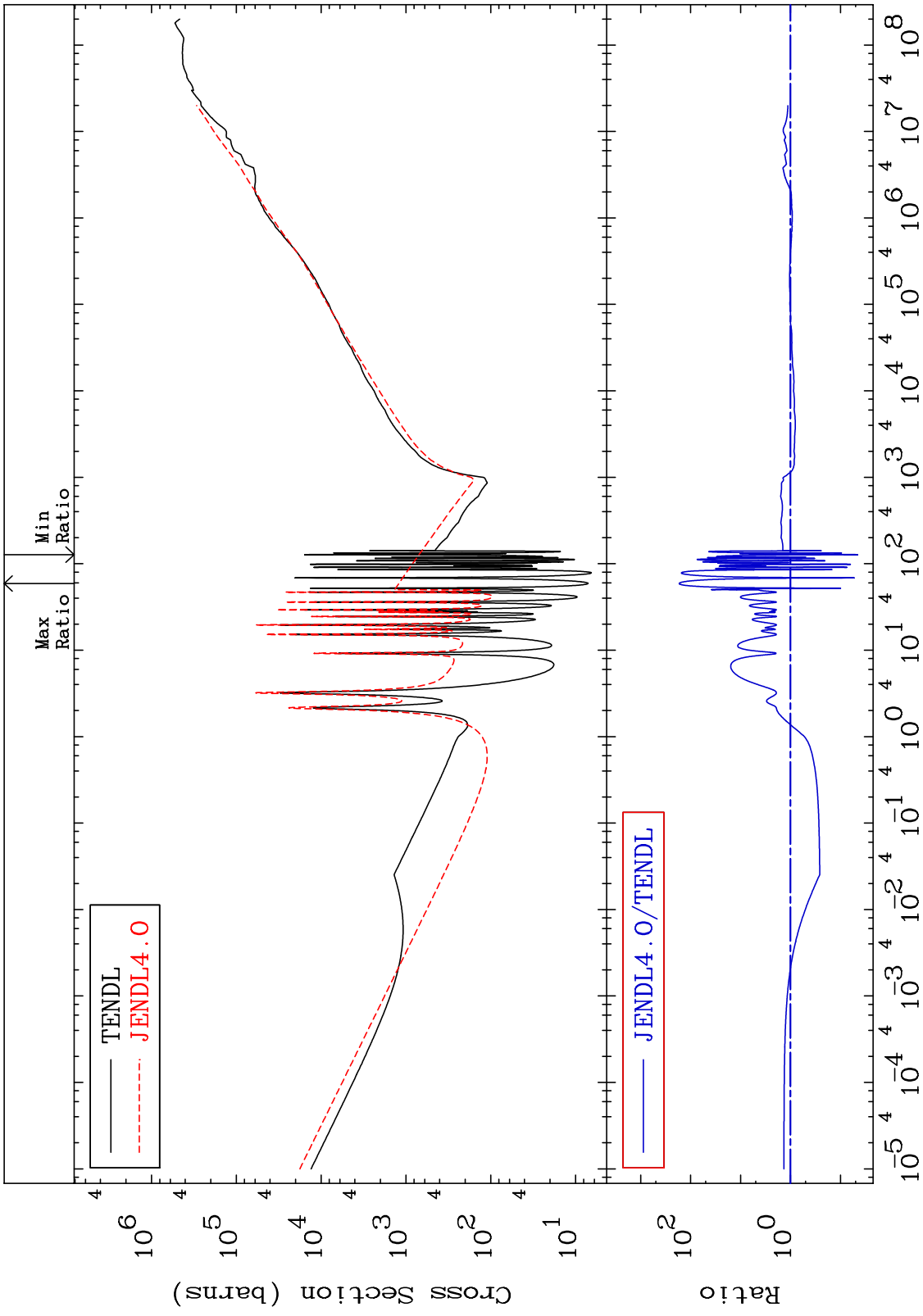


60 Incident Energy (eV) 66-Dy-156

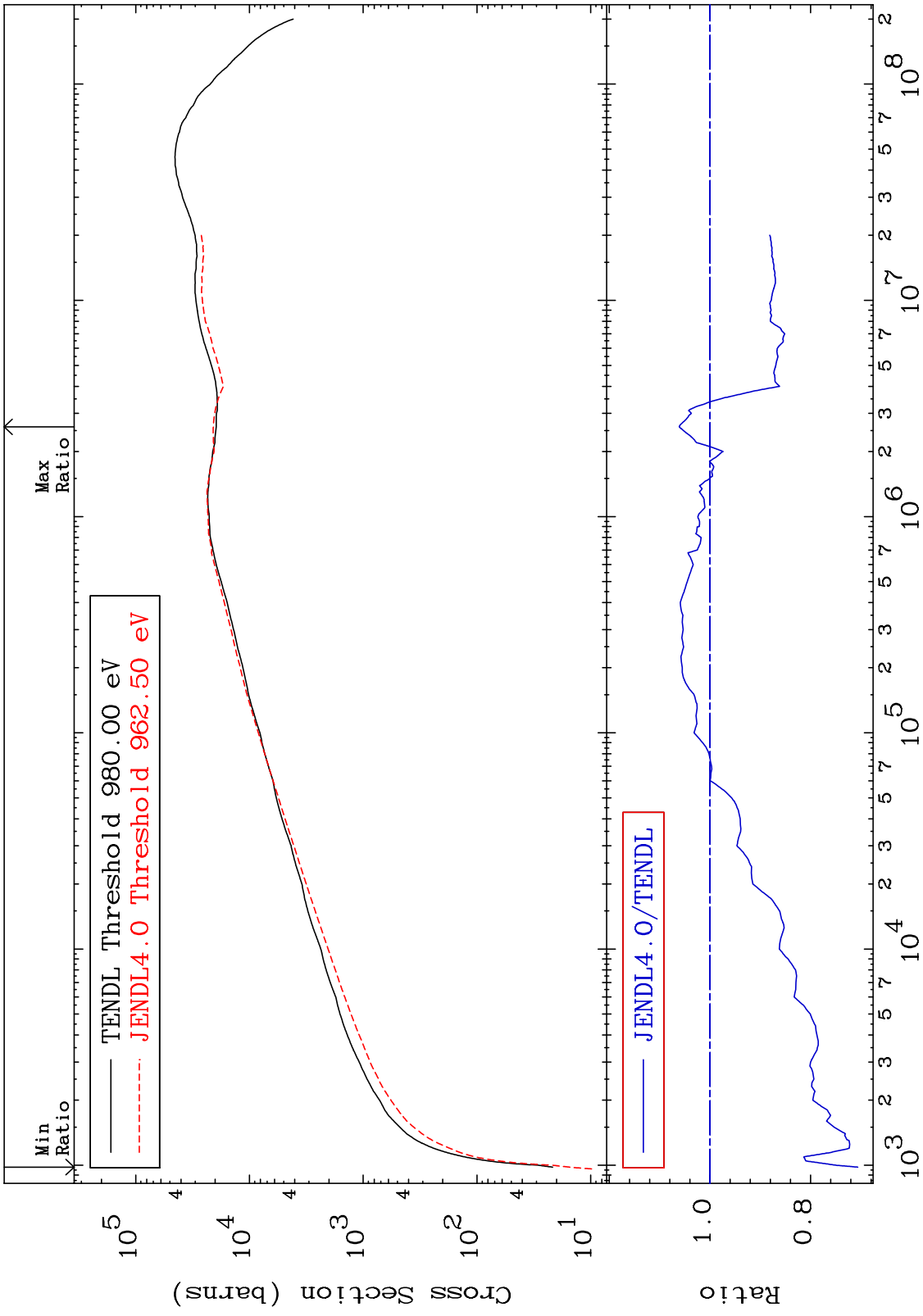
MAT 6625 Total kinematic kerma (high limit) 66-Dy-156
 Cross Section -97.48 To 7624. %



MAT 6625 Dpa total (eV-barns) 66-Dy-156
 Cross Section -95.51 To 9999. %



MAT 6625 Dpa elastic (mt2) 66-Dy-156
Cross Section -29.38 To 6.149 %

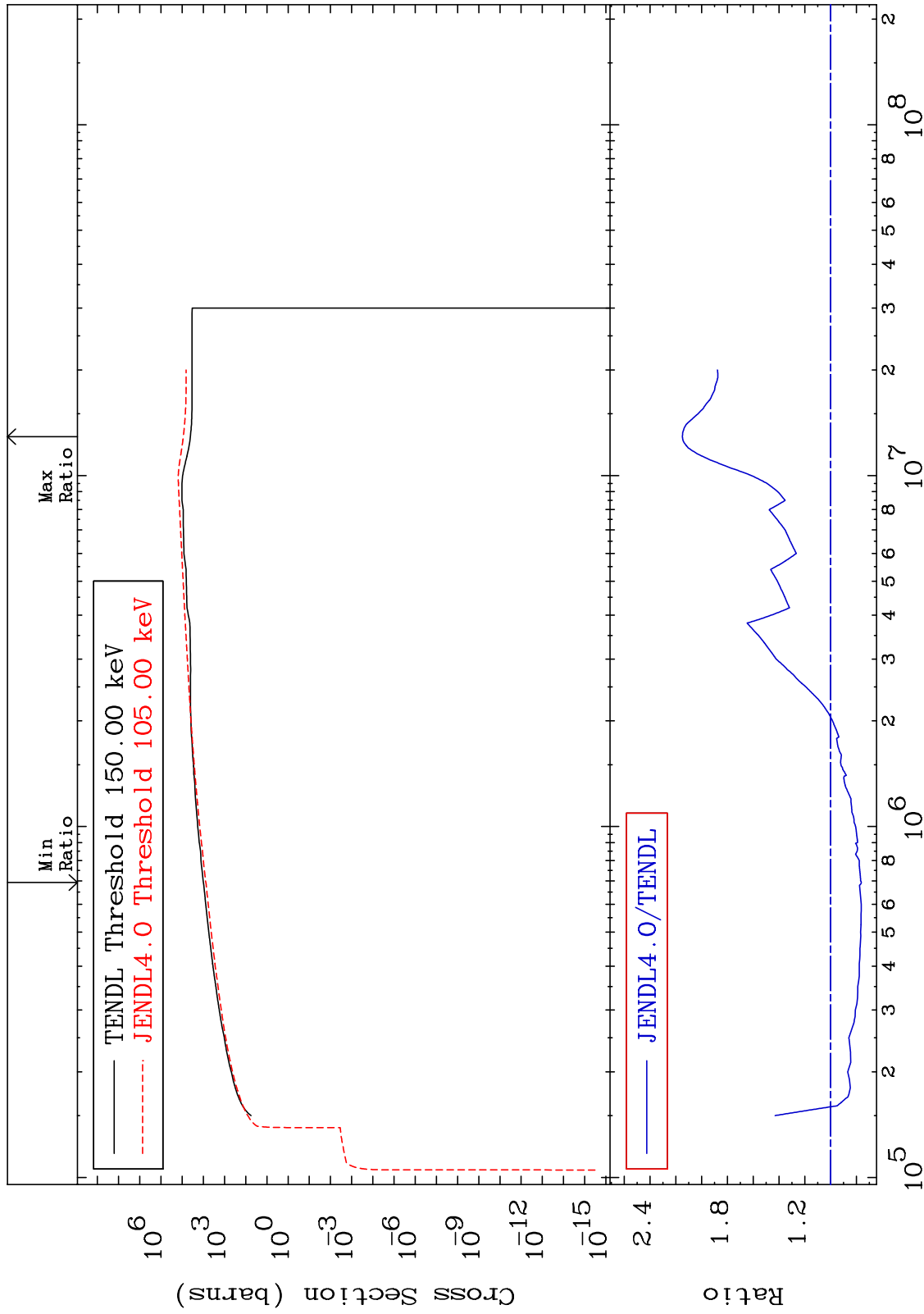


63 Incident Energy (eV) 66-Dy-156

MAT 6625

Dpa inelastic (mt51-91)
Cross Section

66-Dy-156
-23.78 To 114.8 %



64

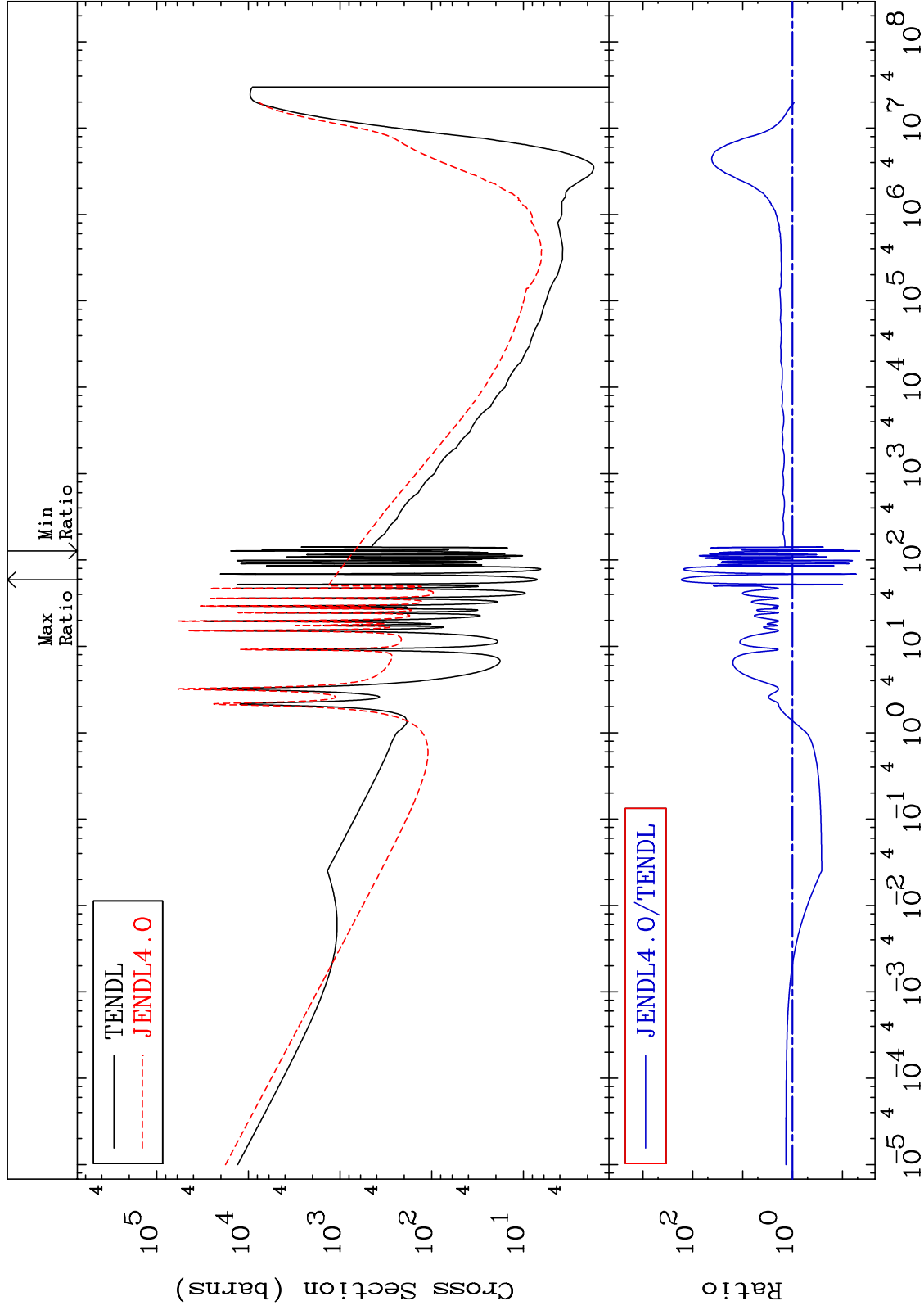
Incident Energy (eV)

66-Dy-156

MAT 6625

Dpa disappearance (mt102 -120)
Cross Section

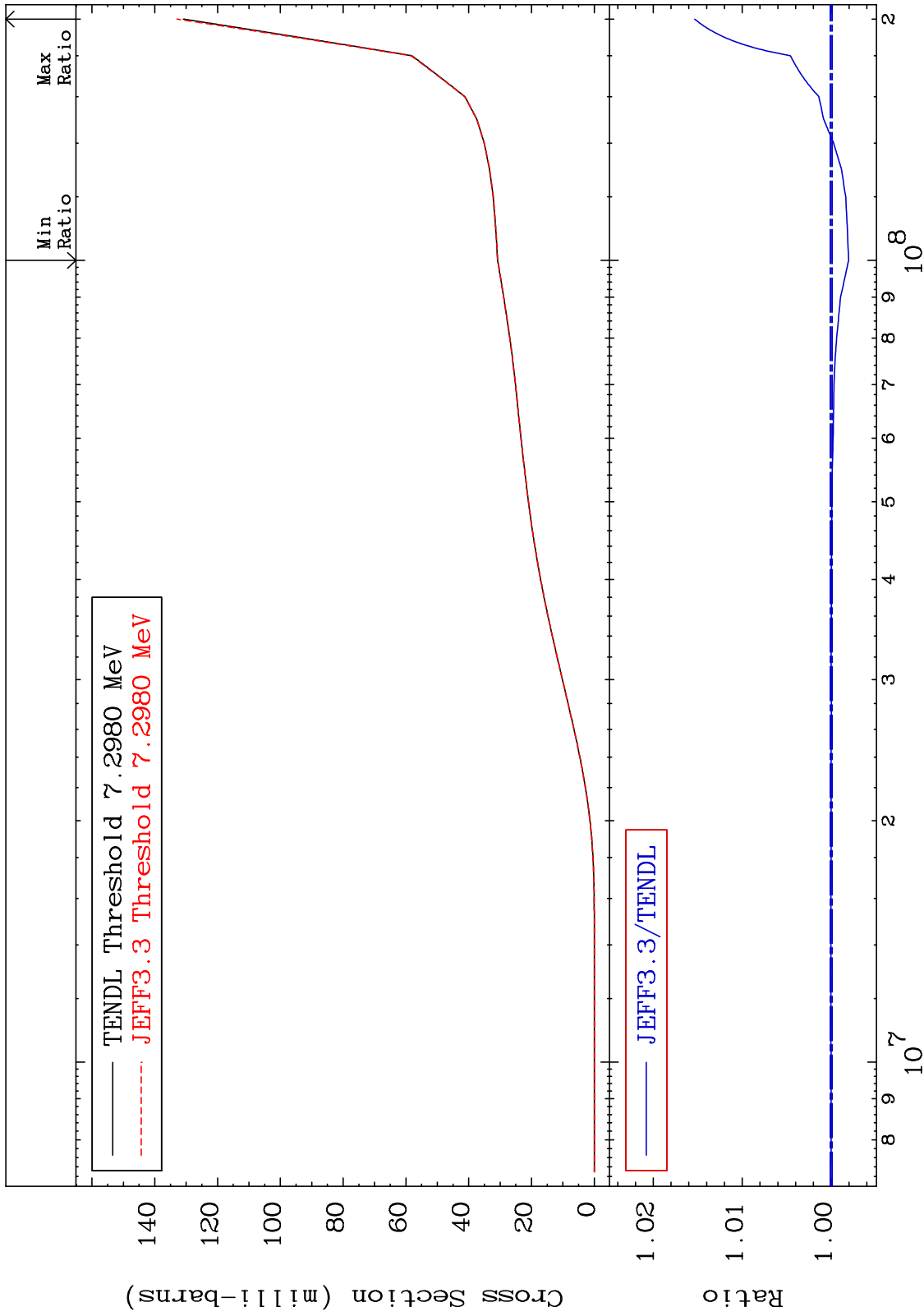
66-Dy-156
-95.51 To 9999. %



MAT 6625

Tritium Production
Cross Section

66-Dy-156
-0.196 To 1.536 %



66

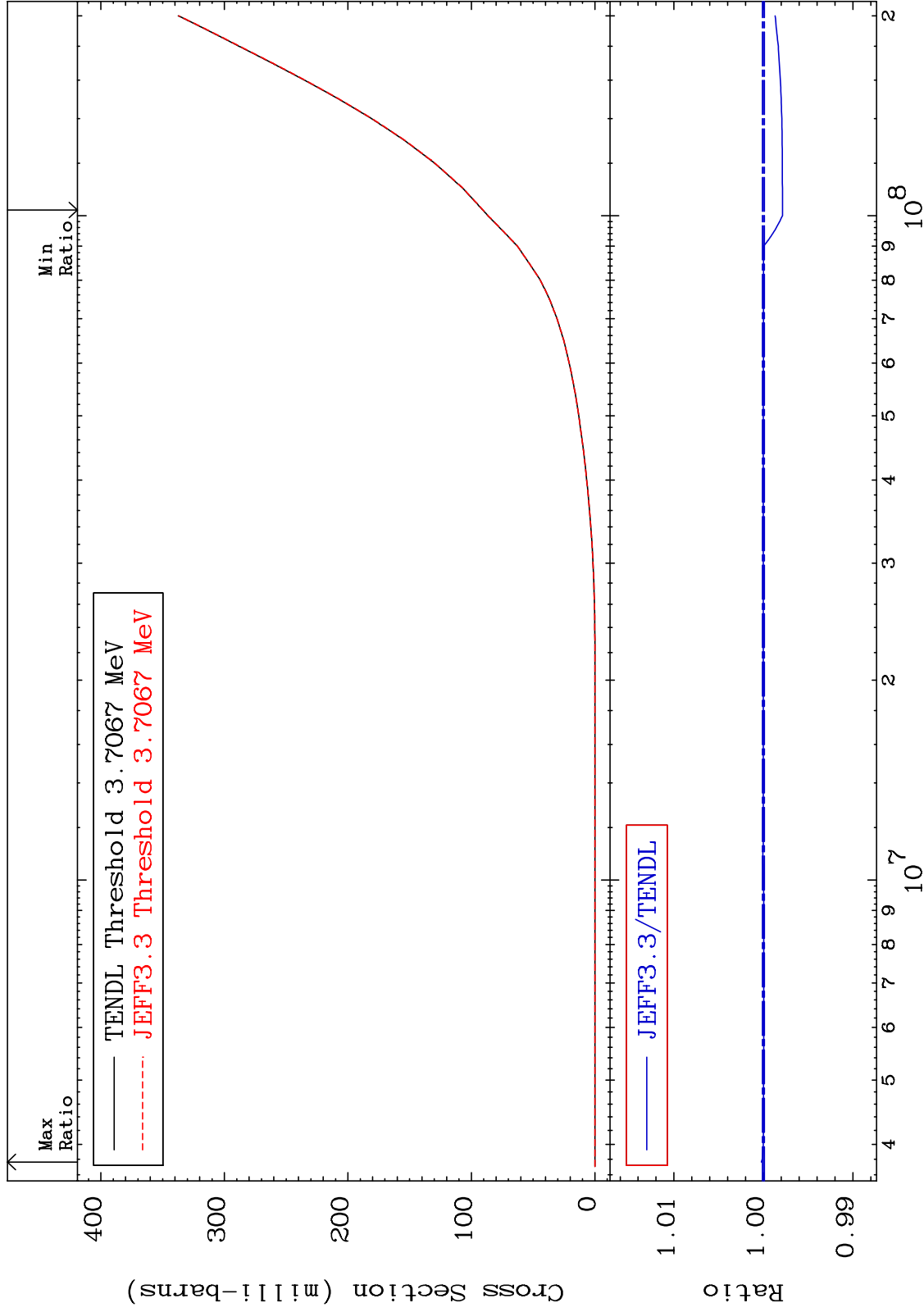
Incident Energy (eV)

66-Dy-156

MAT 6625

He-3 Production
Cross Section

66-Dy-156
-0.213 To 0.023 %



67

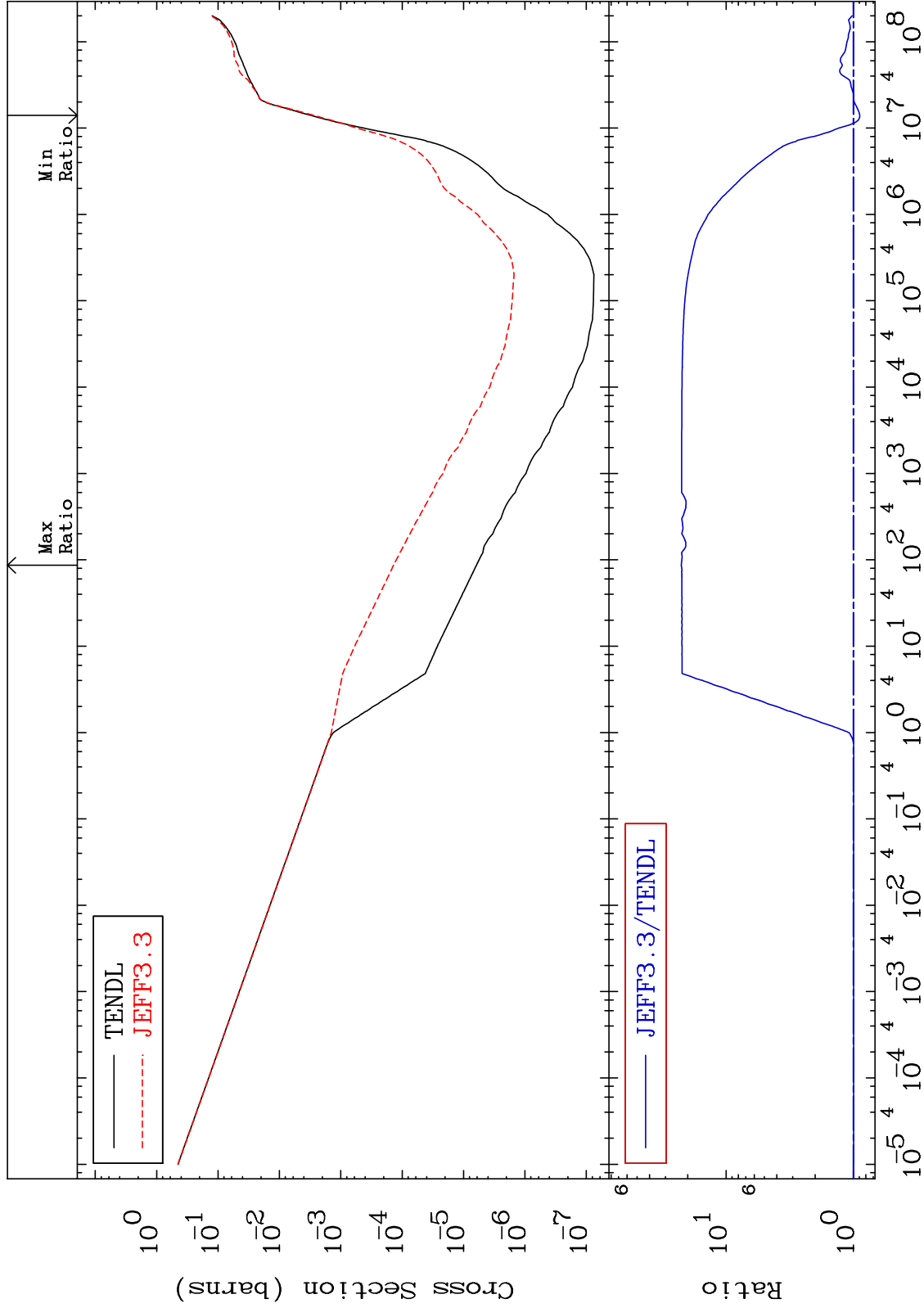
Incident Energy (eV)

66-Dy-156

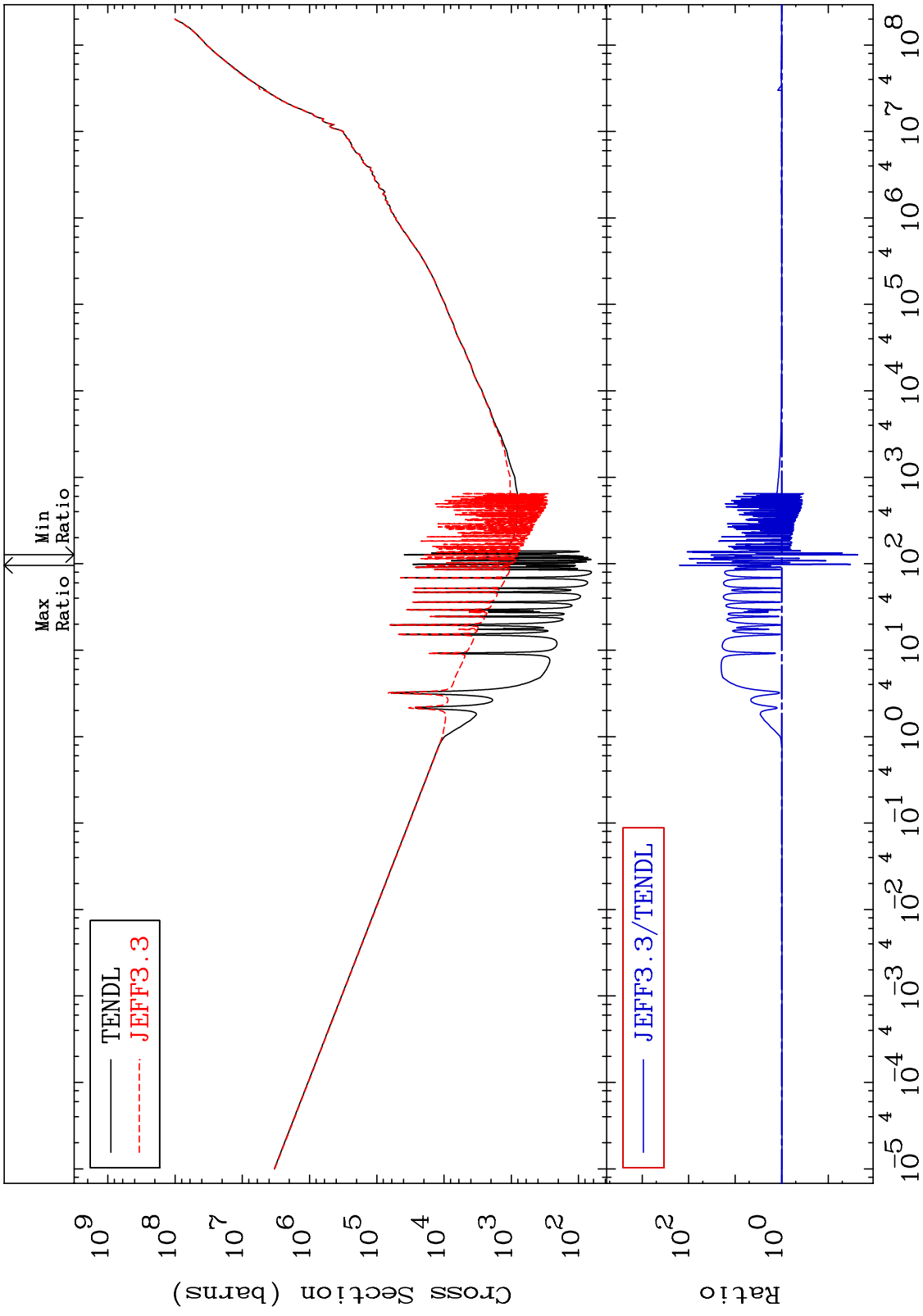
MAT 6625

He-4 Production
Cross Section

66-Dy-156
-10.82 To 2151. %



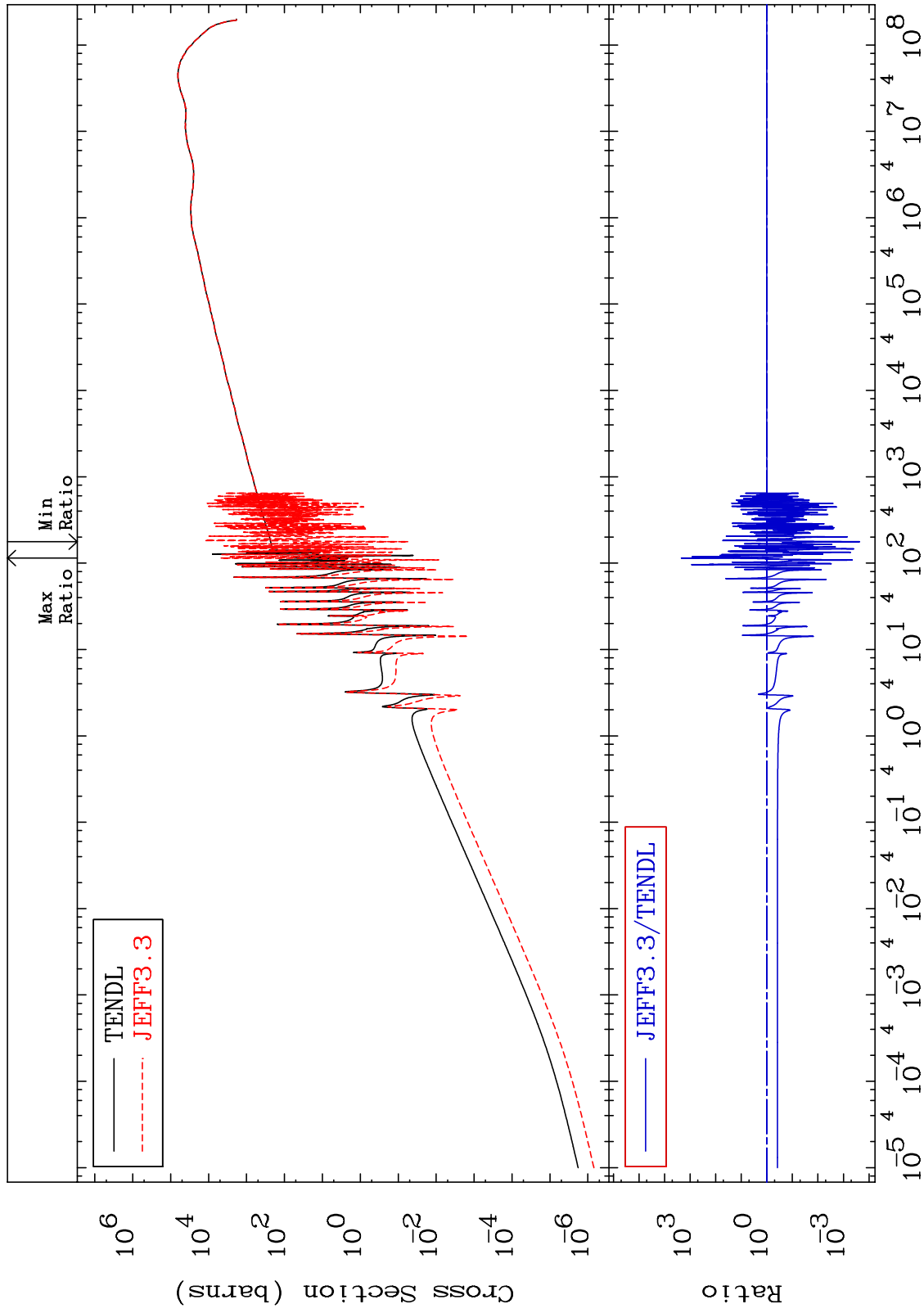
MAT 6625 Kerma total (eV-barns) 66-Dy-156
Cross Section -97.70 To 9999. %



MAT 6625

Kerma elastic
Cross Section

66-Dy-156
-99.98 To 9999. %

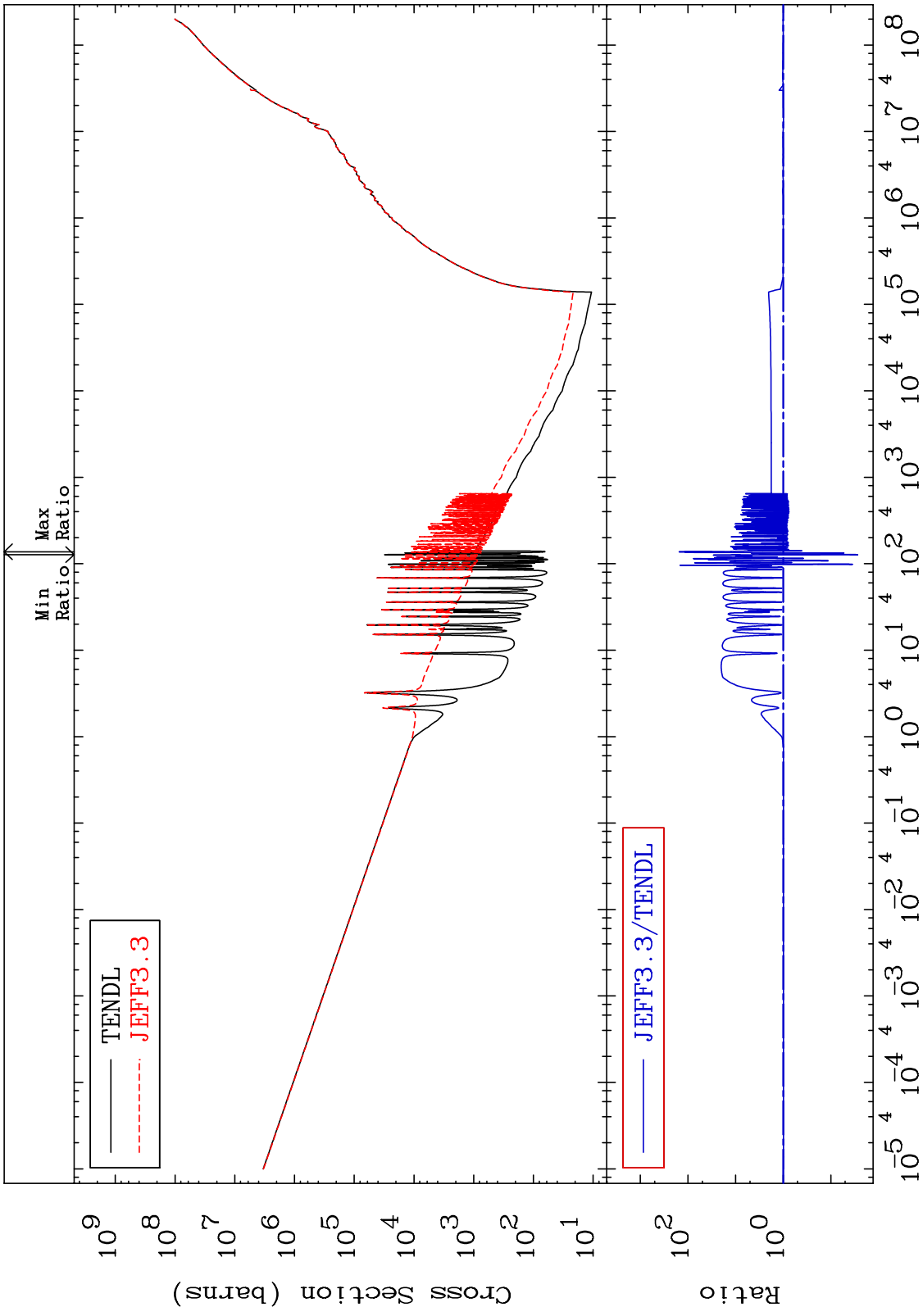


70

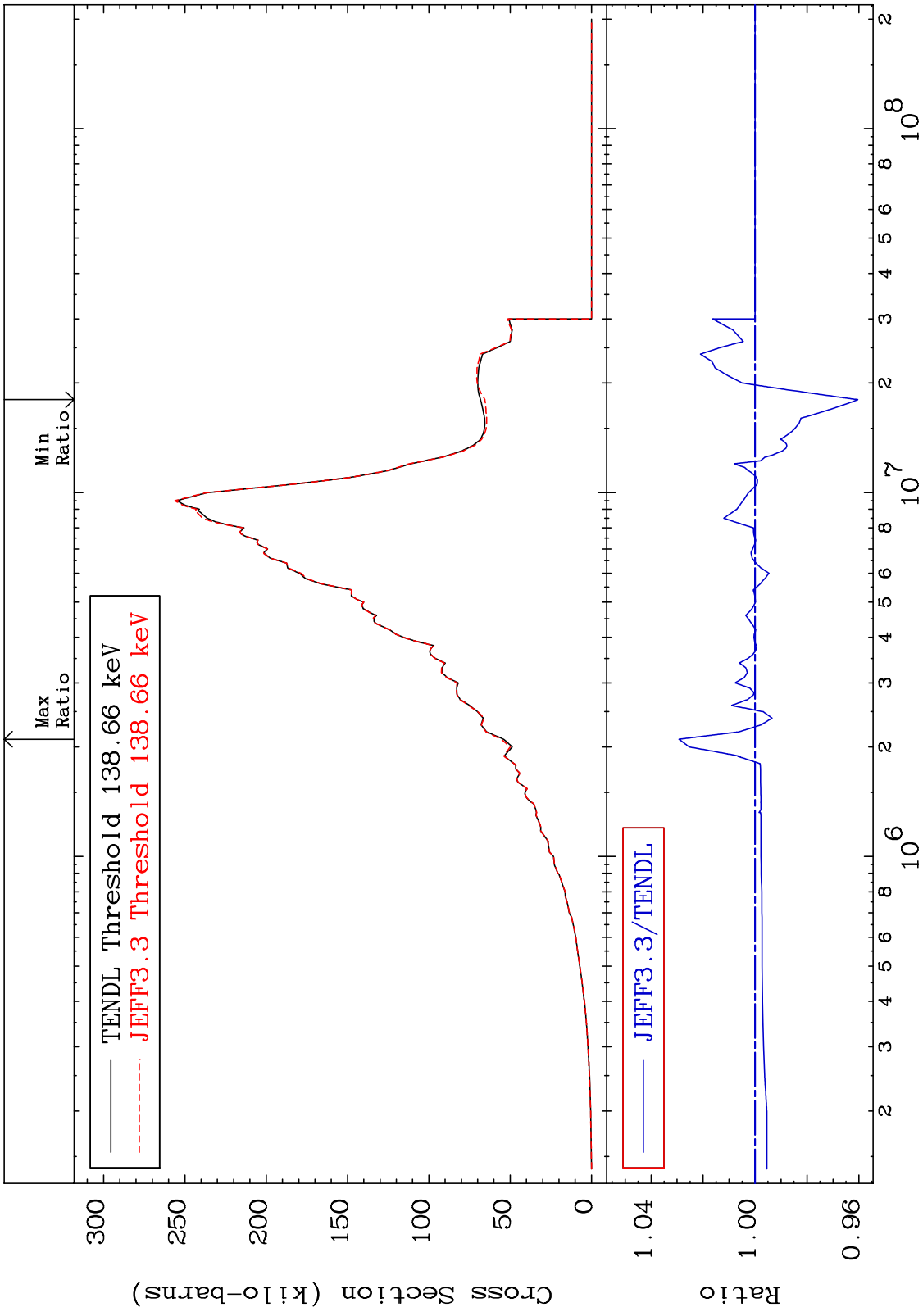
Incident Energy (eV)

66-Dy-156

MAT 6625 Kerma non-elastic (all but mt2) 66-Dy-156
 -97.29 To 9999. %
 Cross Section



MAT 6625 Kerma inelastic (mt51-91) 66-Dy-156
 Cross Section -3.956 To 2.925 %

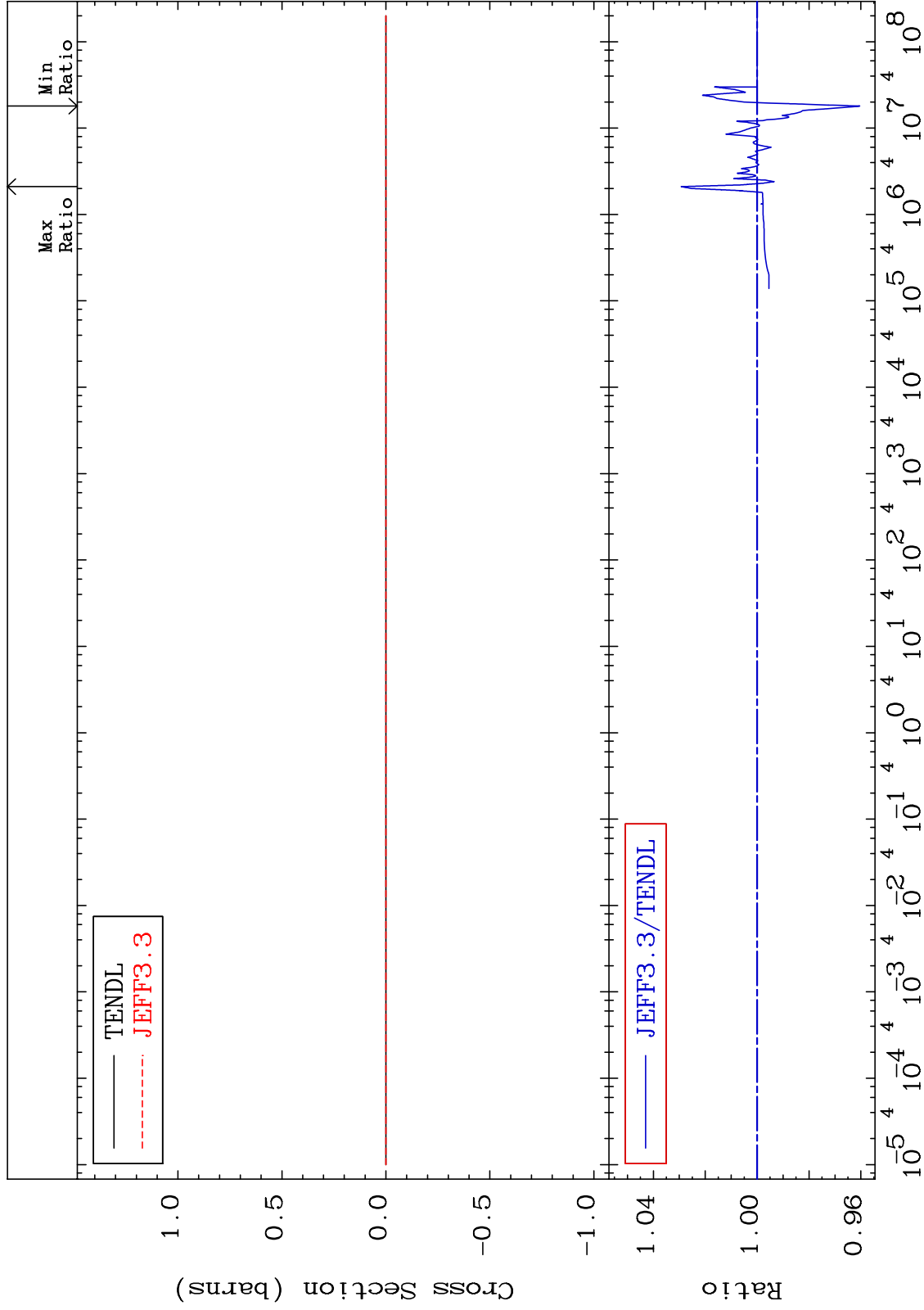


72 Incident Energy (eV) 66-Dy-156

MAT 6625

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

66-Dy-156
-3.956 To 2.925 %



73

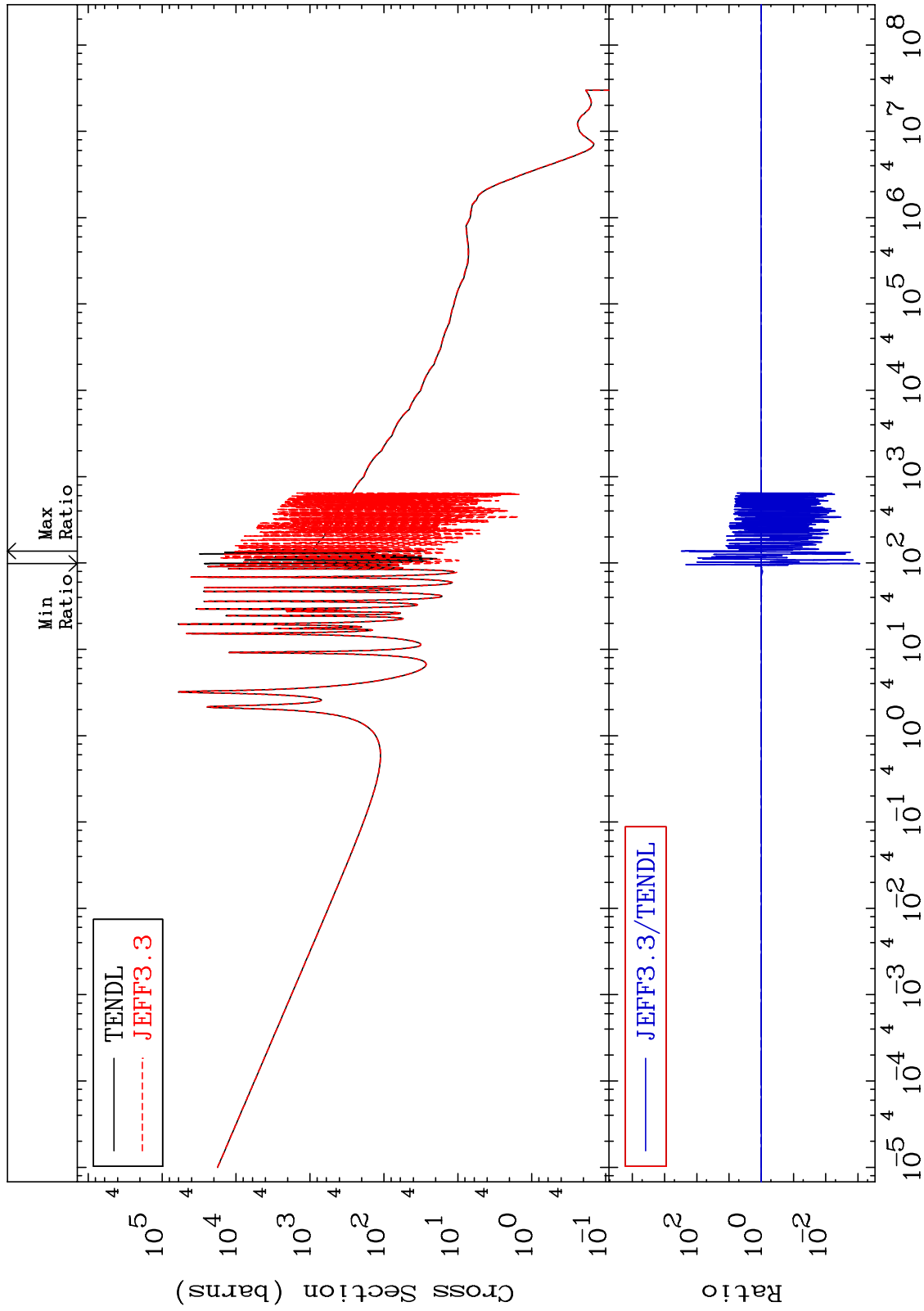
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma capture (mt102)
Cross Section

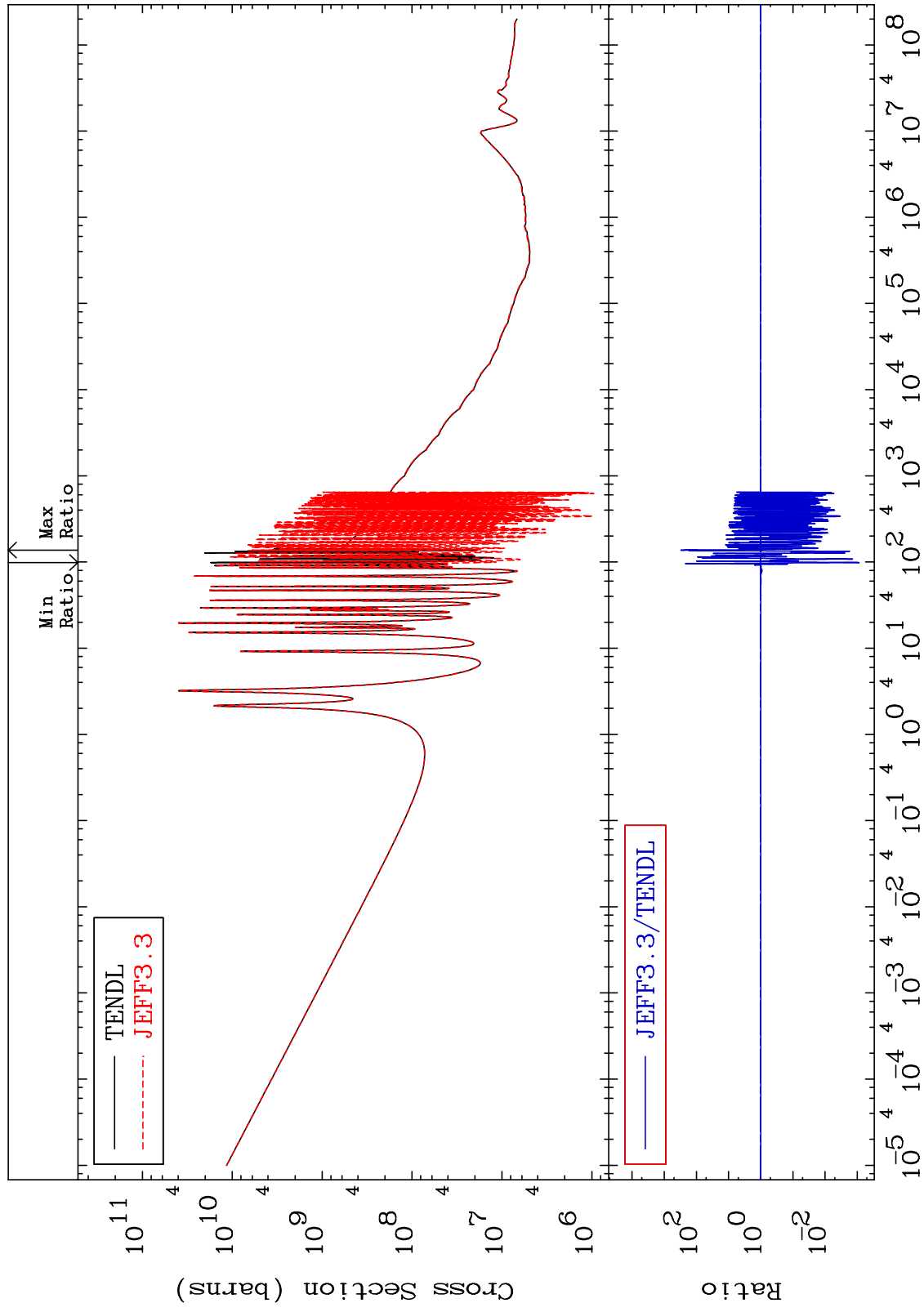
66-Dy-156
-99.91 To 9999. %



MAT 6625

Total photon (eV-barns)
Cross Section

66-Dy-156
-99.91 To 9999. %

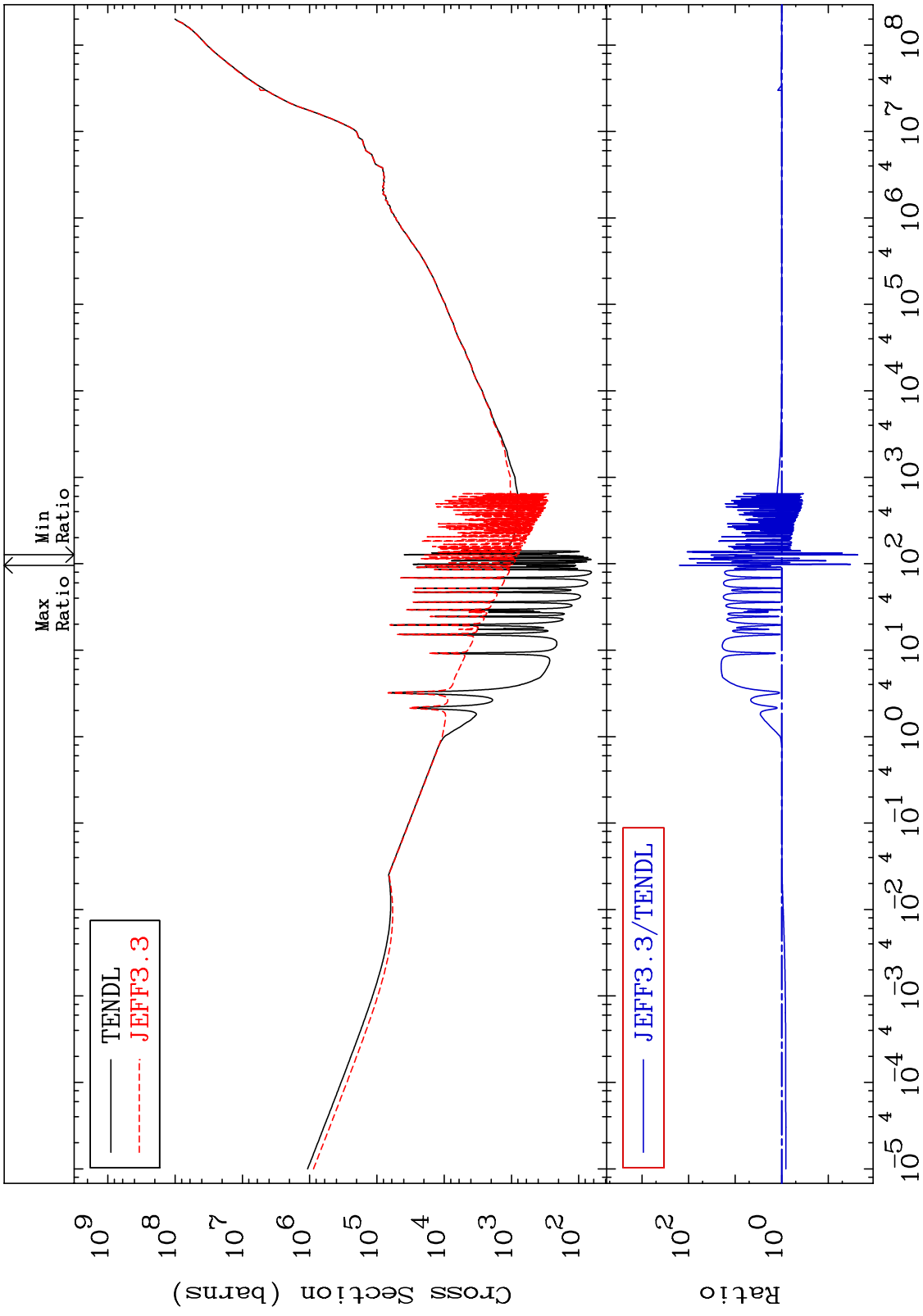


75

Incident Energy (eV)

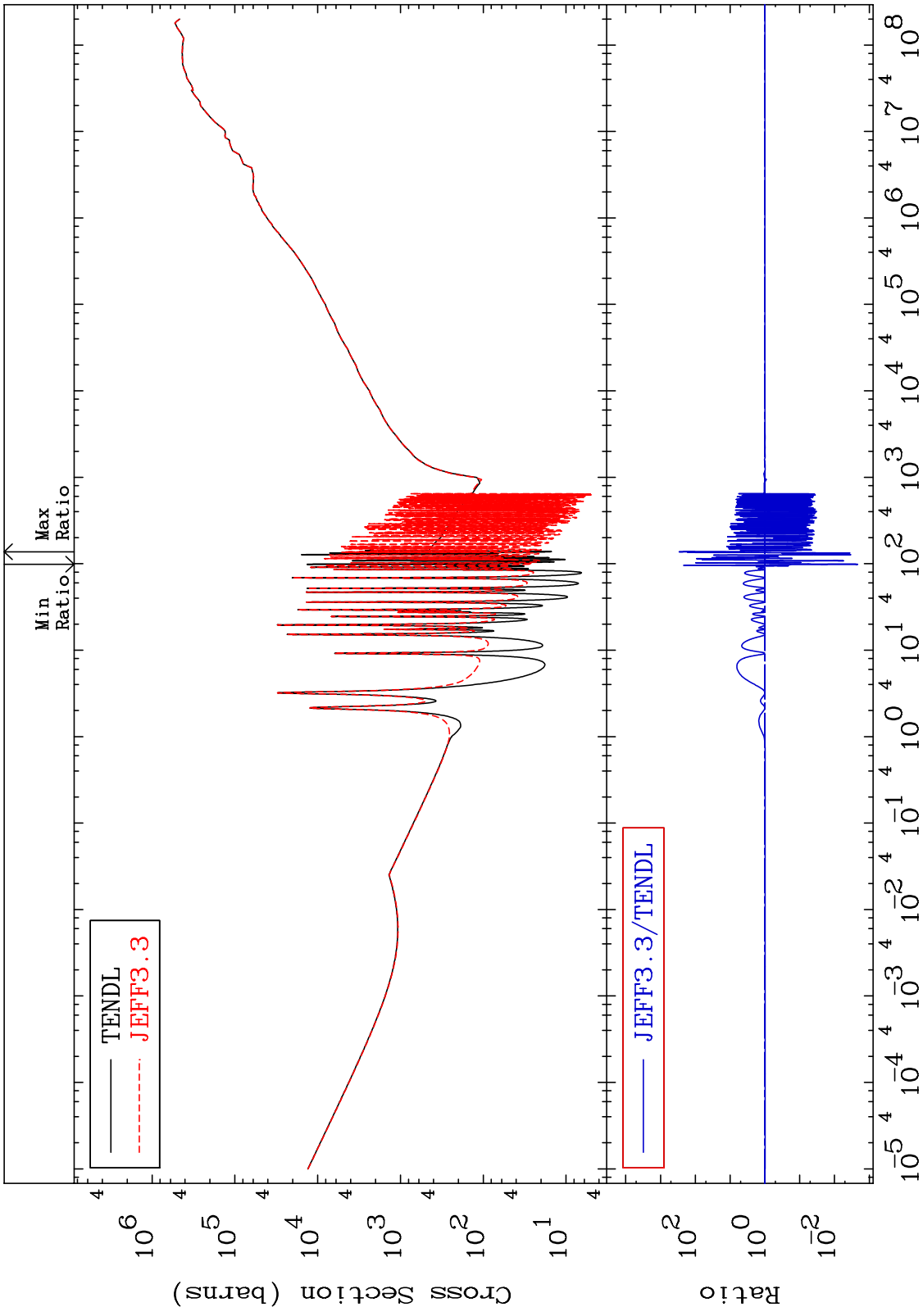
66-Dy-156

MAT 6625 Total kinematic kerma (high limit) 66-Dy-156
 Cross Section -97.68 To 9999. %

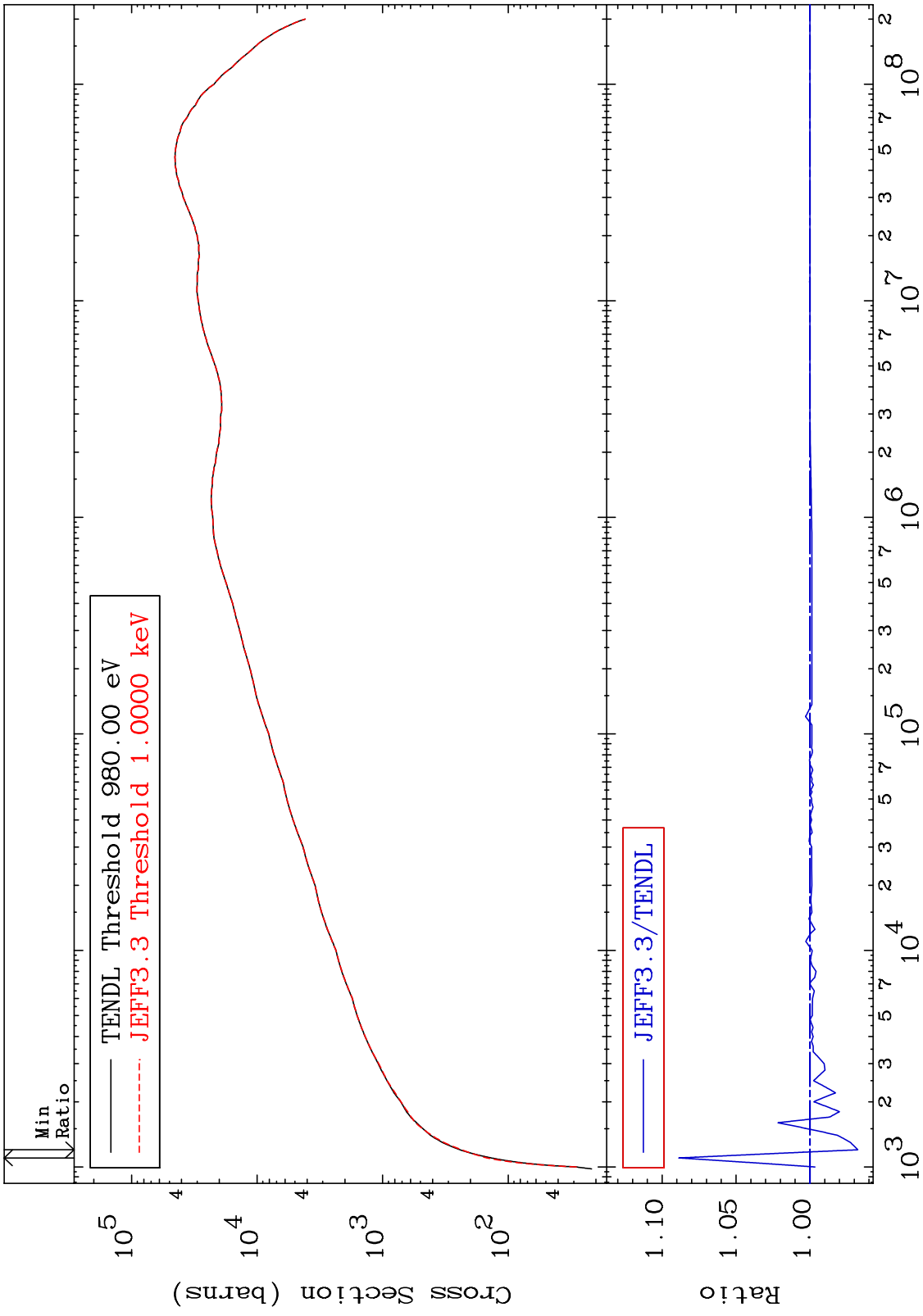


76 Incident Energy (eV) 66-Dy-156

MAT 6625 Dpa total (eV-barns) 66-Dy-156
 Cross Section -99.79 To 9999. %

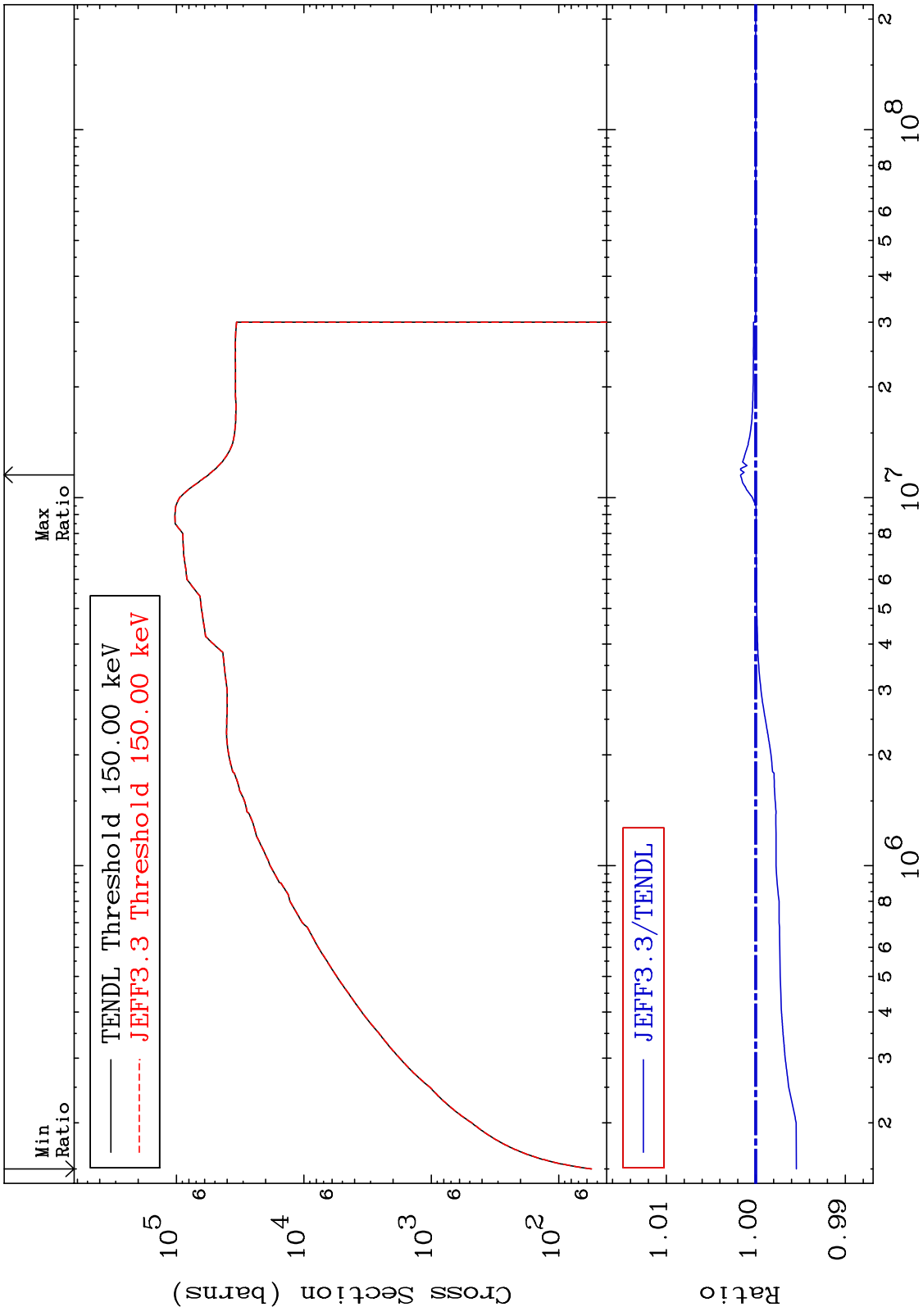


MAT 6625 Dpa elastic (mt2) 66-Dy-156
Cross Section -3.242 To 8.853 %



78 Incident Energy (eV) 66-Dy-156

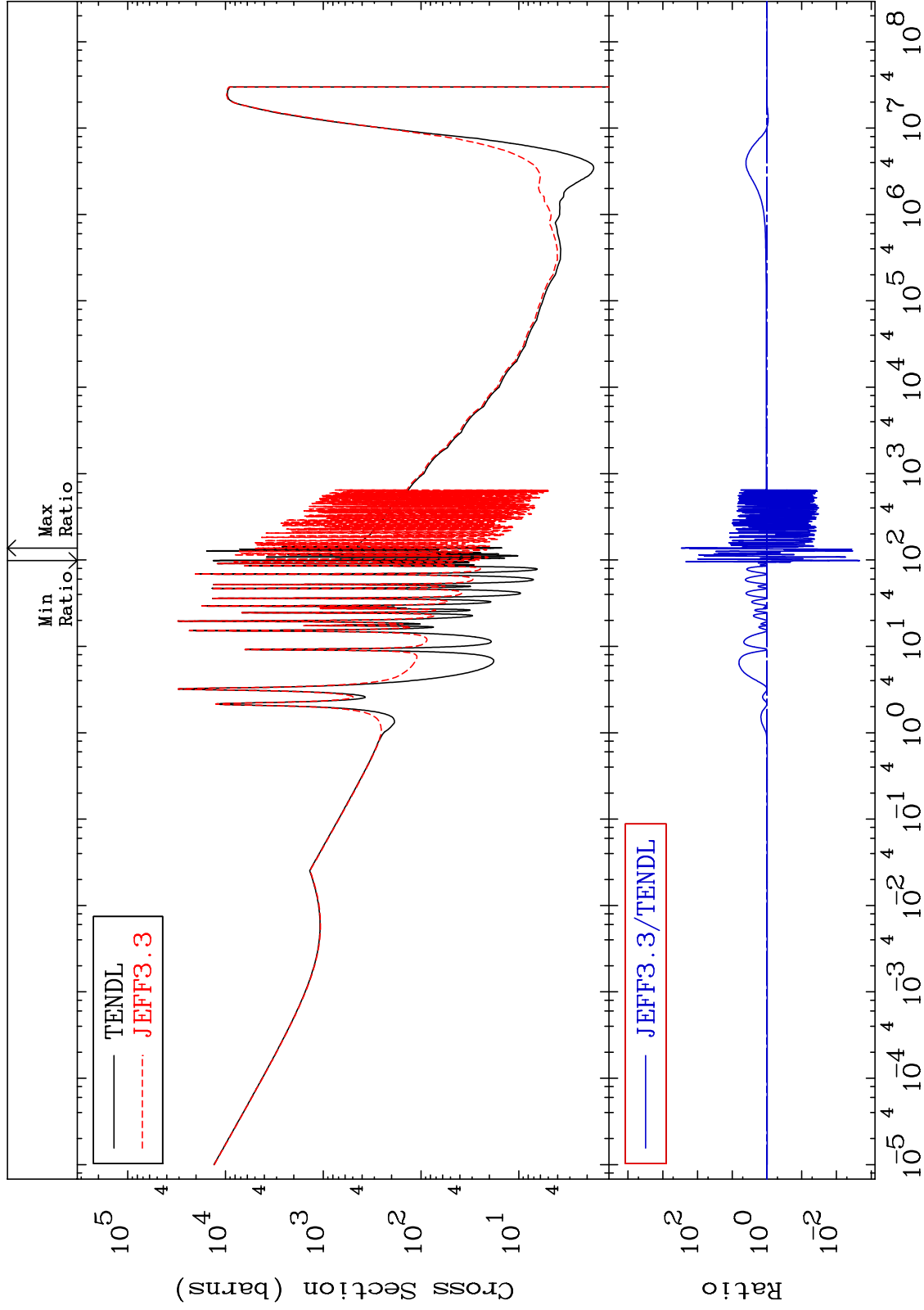
MAT 6625 Dpa inelastic (mt51-91) 66-Dy-156
 Cross Section -0.453 To 0.170 %



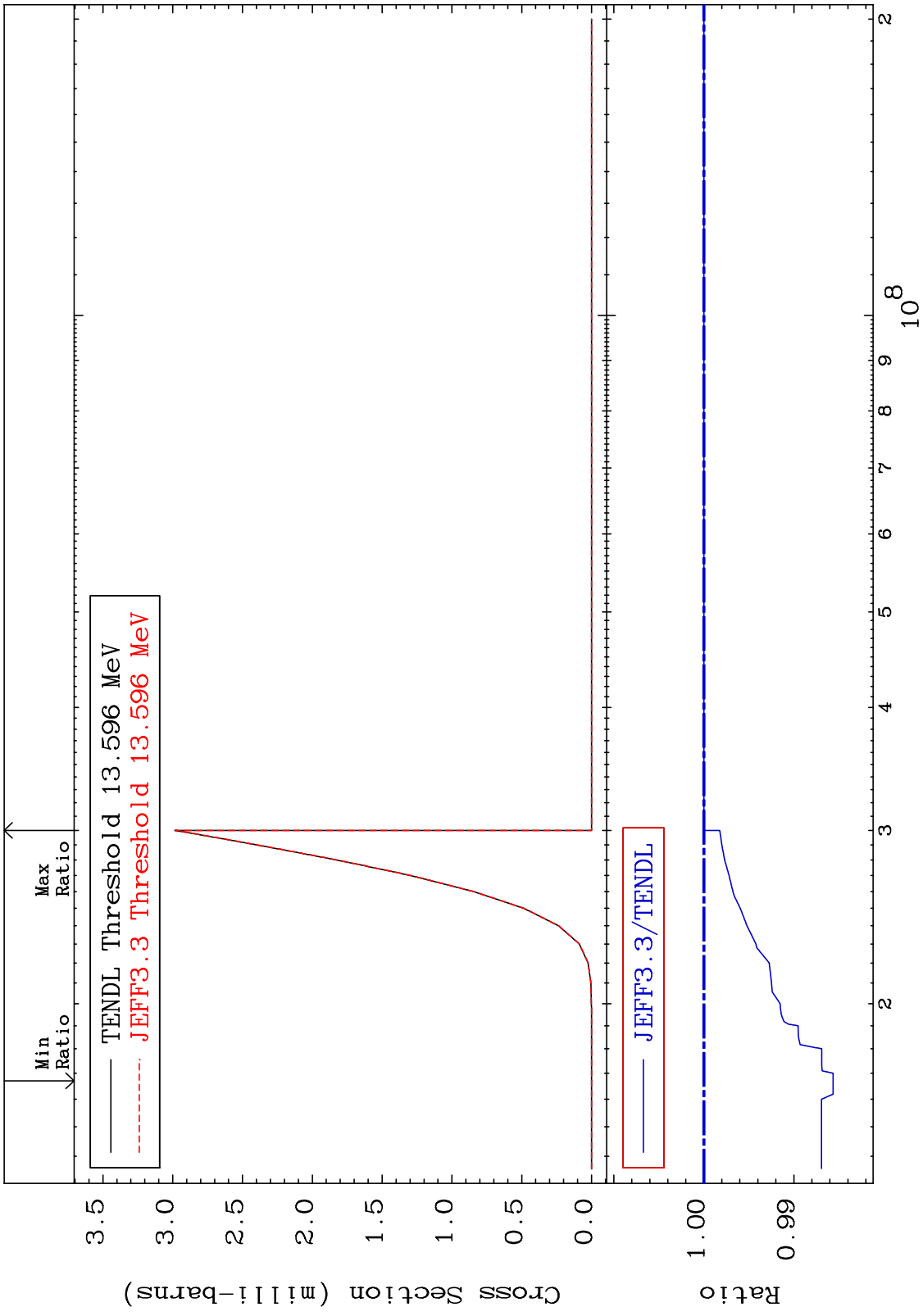
MAT 6625

Dpa disappearance (mt102 -120)
Cross Section

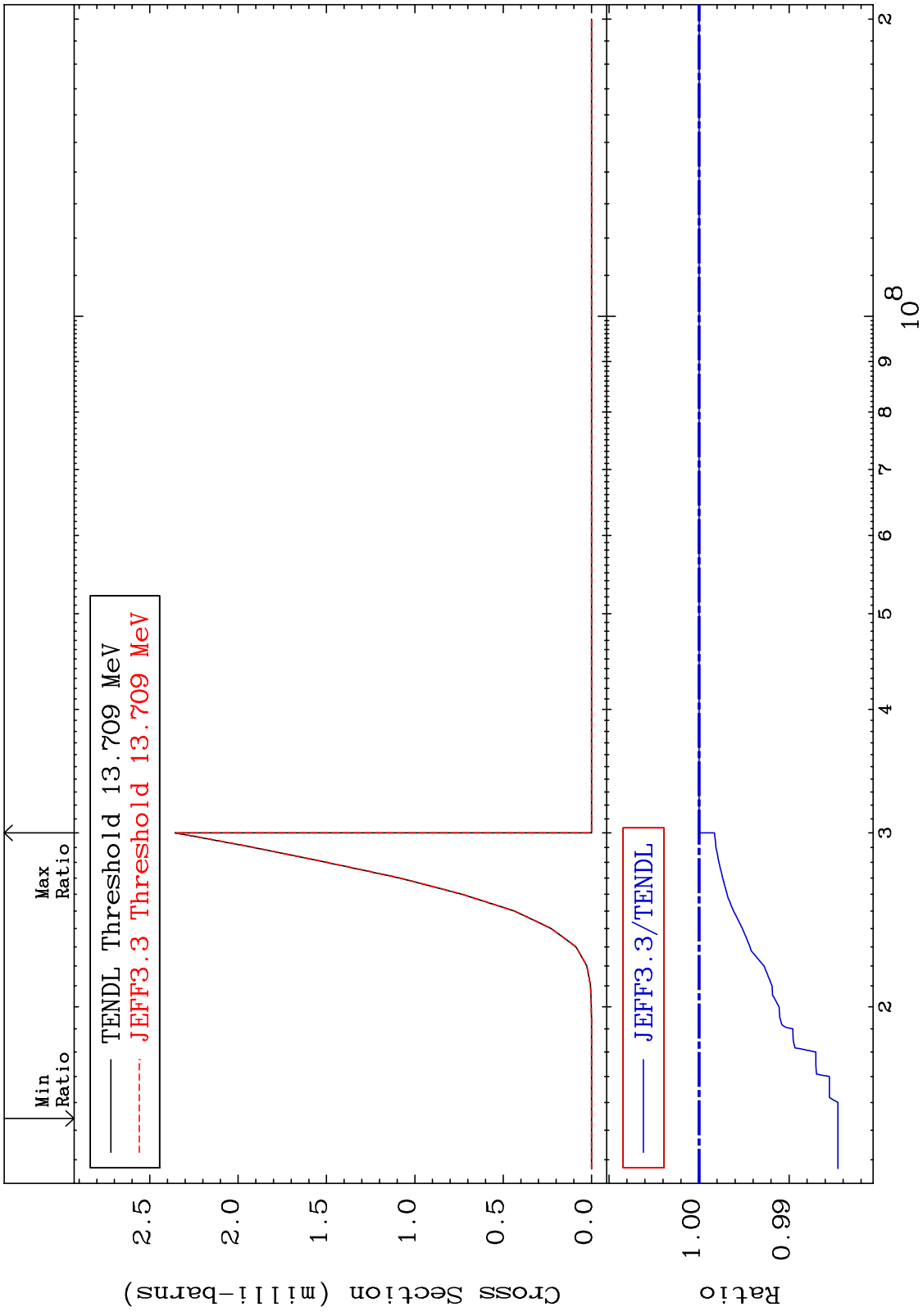
66-Dy-156
-99.79 To 9999. %



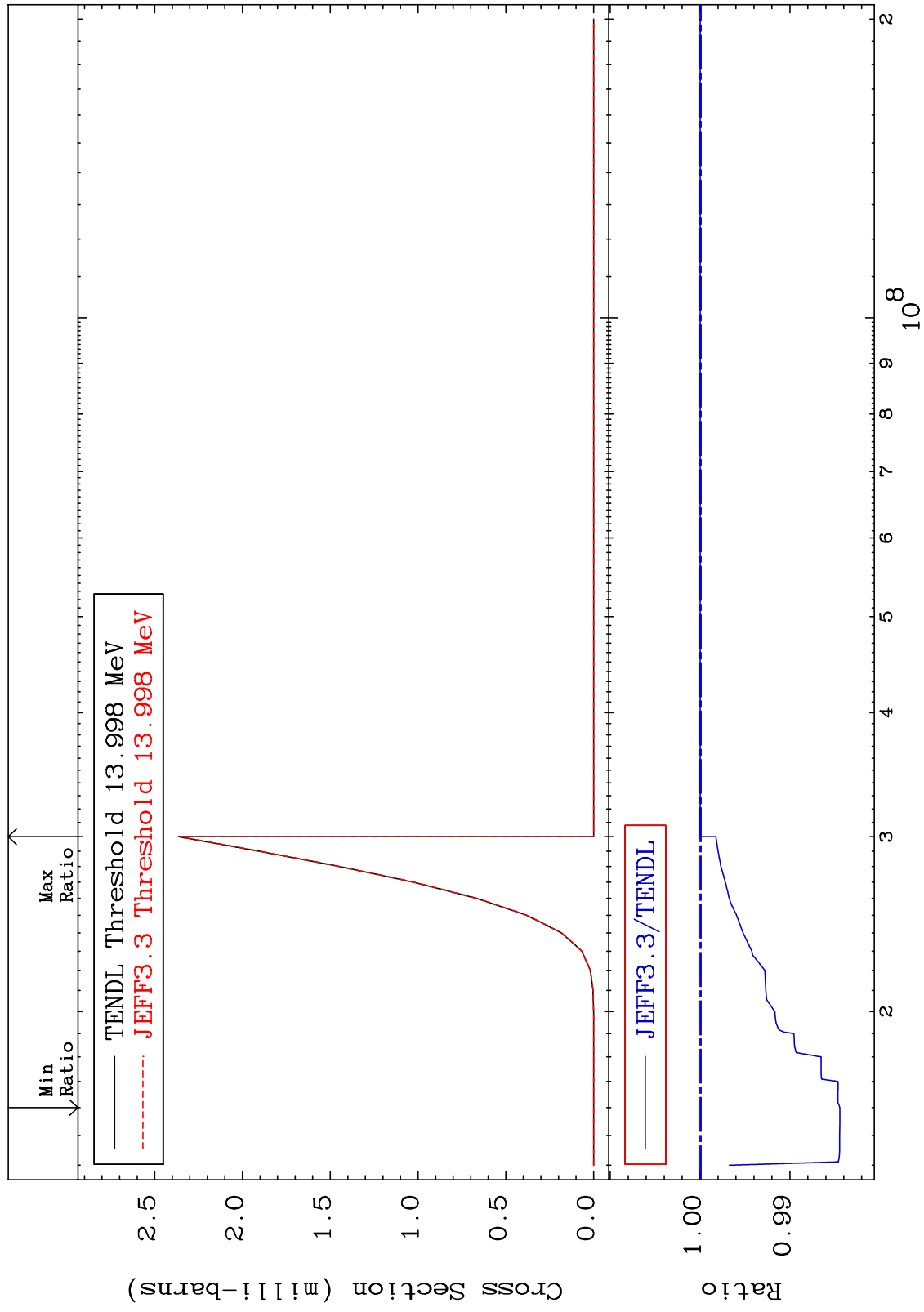
MAT 6625 (n, n') d:65-Tb-154g 66-Dy-156
 Radionuclide Production Cross Section -1.435 To 0.000 %



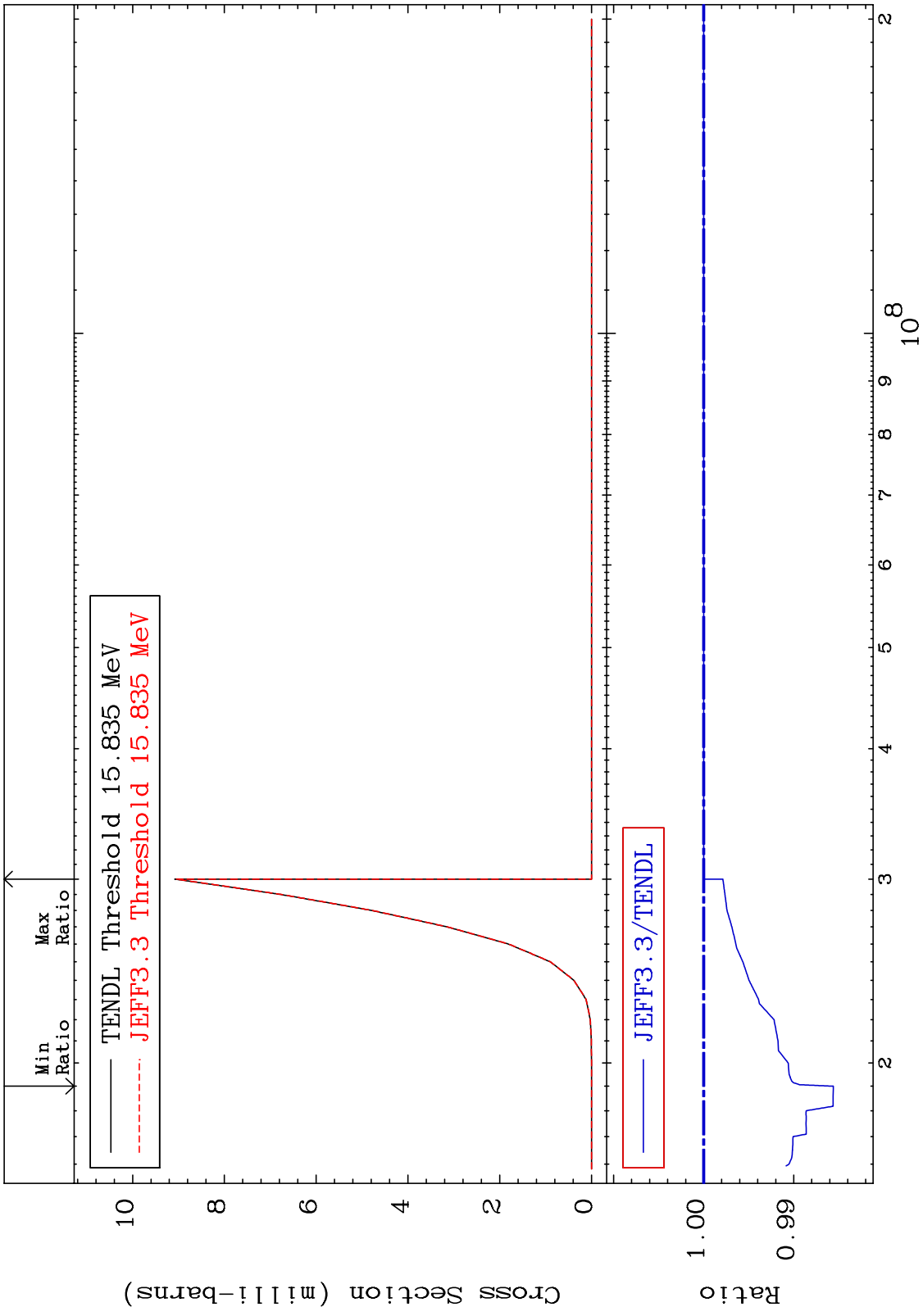
MAT 6625 (n,n') d:65-Tb-154m1 66-Dy-156
 Radionuclide Production Cross Section -1.541 To 0.000 %



MAT 6625 (n,n') d:65-Tb-154m2 66-Dy-156
Radionuclide Production Cross Section -1.556 To 0.000 %



MAT 6625 (n,2n) p:65-Tb-154g 66-Dy-156
 Radionuclide Production Cross Section -1.439 To 0.000 %

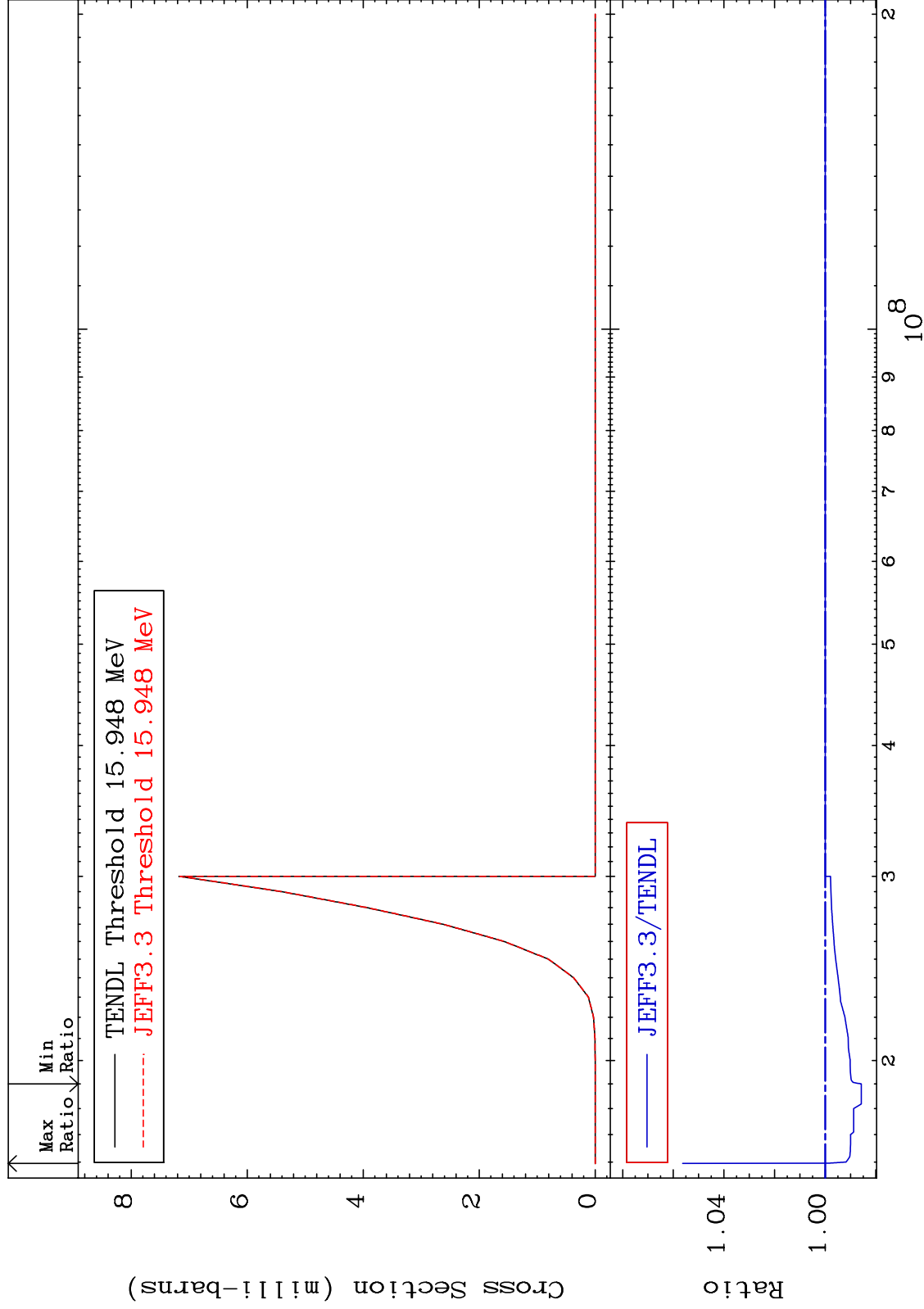


MAT 6625

(n,2n) p:65-Tb-154m1

66-Dy-156

Radionuclide Production Cross Section -1.428 To 5.629 %



85

Incident Energy (eV)

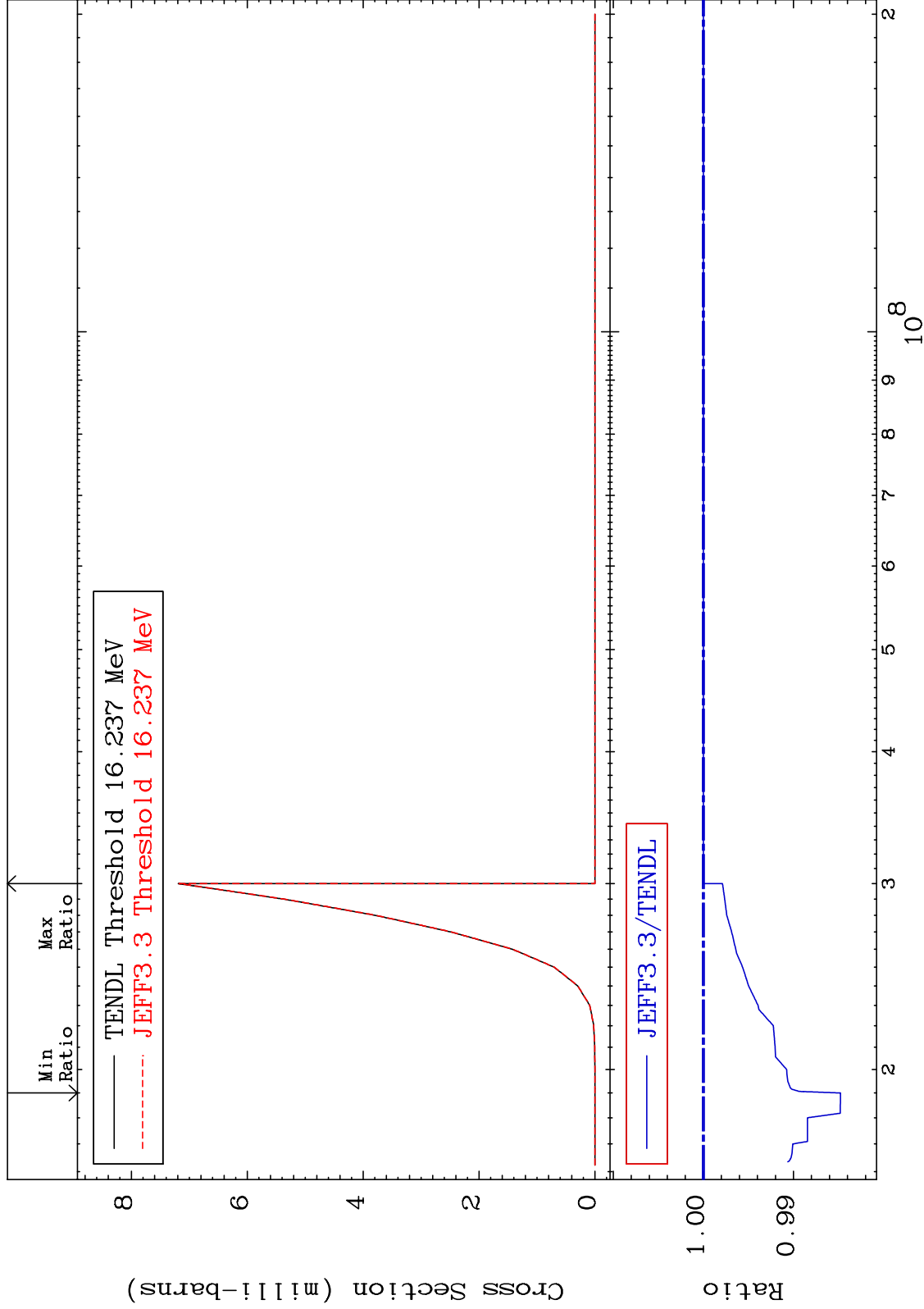
66-Dy-156

MAT 6625

(n,2n) p:65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section -1.521 To 0.000 %



86

Incident Energy (eV)

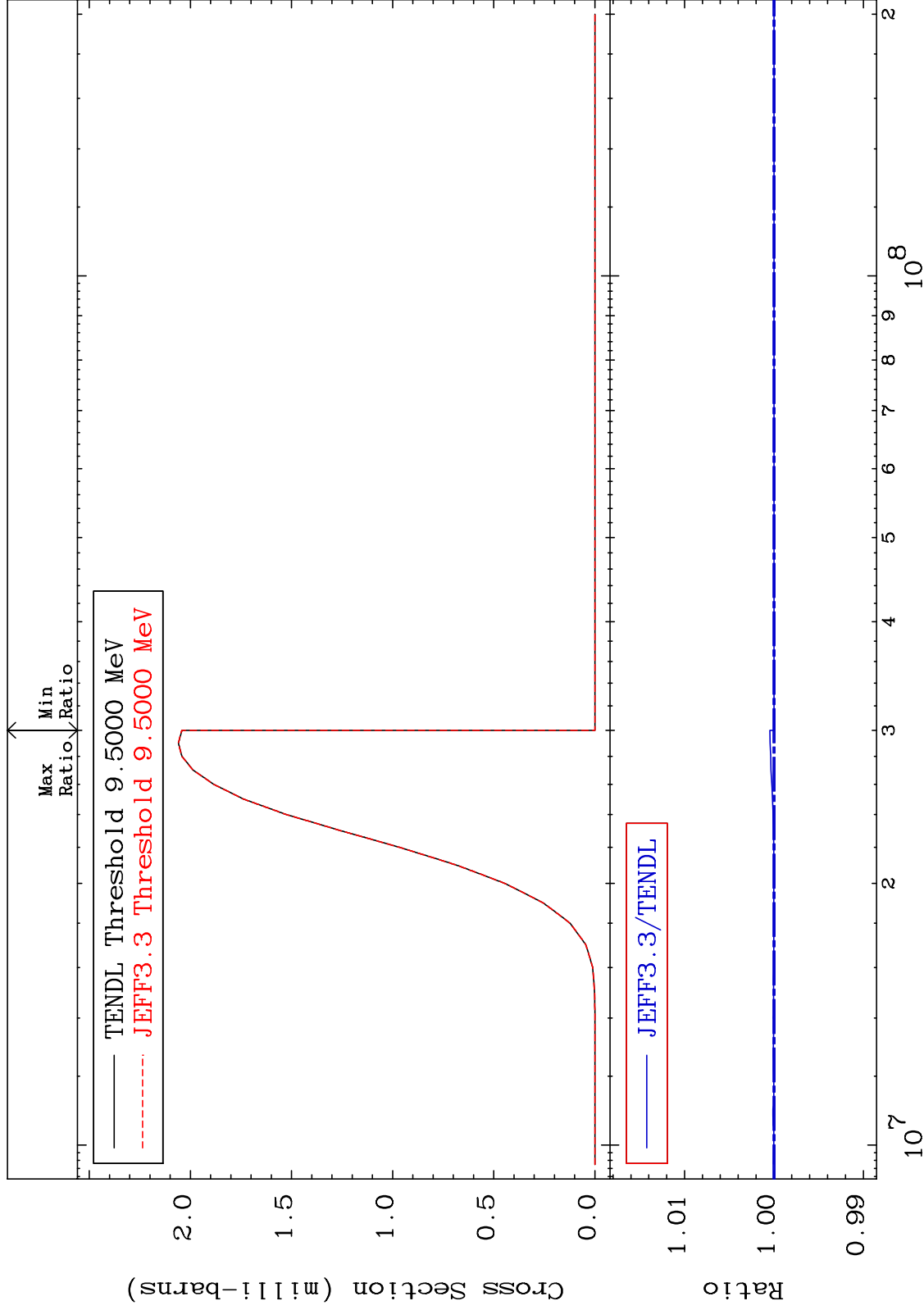
66-Dy-156

MAT 6625

(n, t) : 65-Tb-154g

66-Dy-156

Radionuclide Production Cross Section 0.000 To 0.046 %

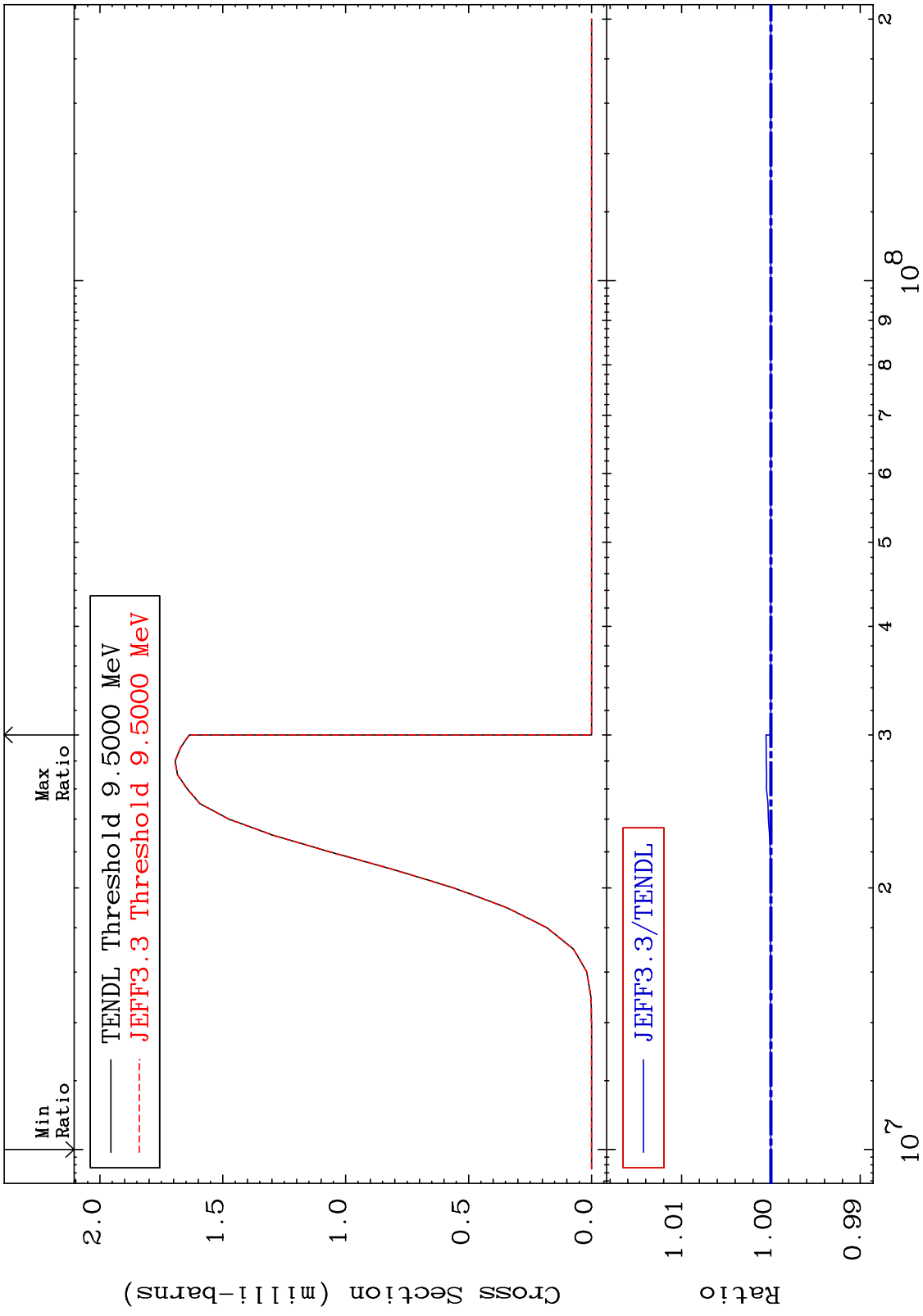


87

Incident Energy (eV)

66-Dy-156

MAT 6625 (n, t): 65-Tb-154m1 66-Dy-156
Radionuclide Production Cross Section 0.000 To 0.055 %

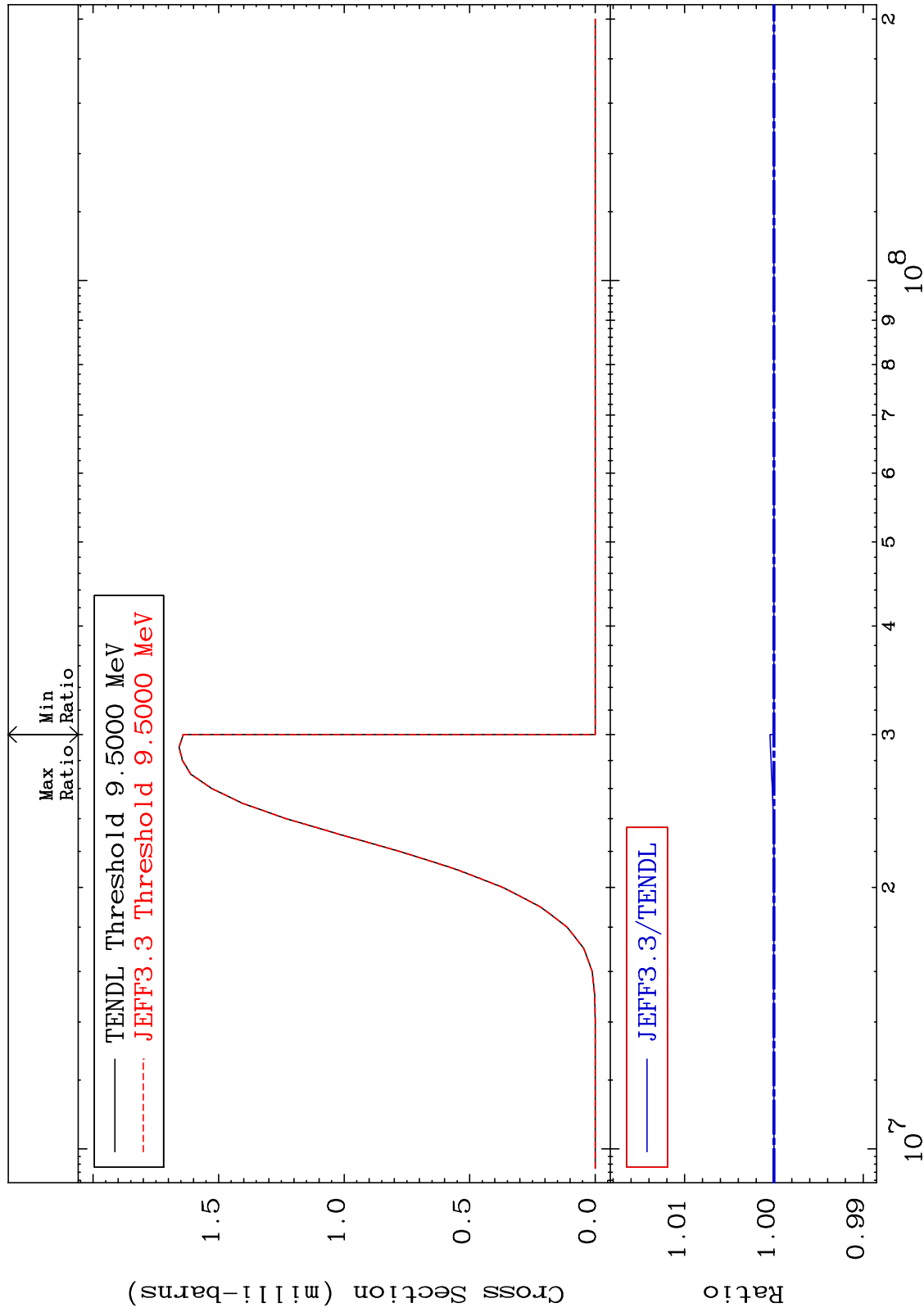


MAT 6625

(n, t): 65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section 0.000 To 0.044 %



89

Incident Energy (eV)

66-Dy-156