

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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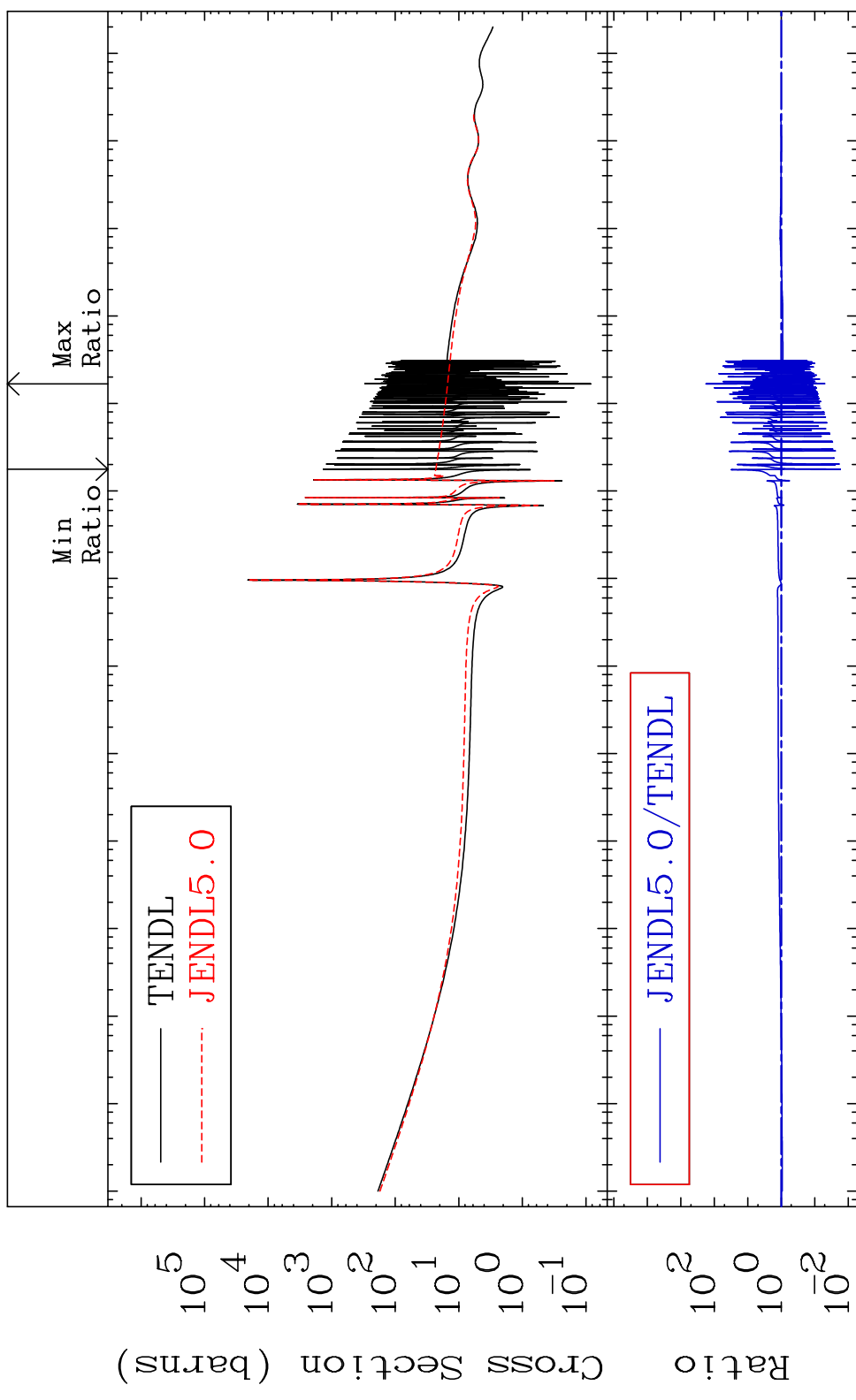
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7849

Total Cross Section -98.30 To 9999. %

78-Pt-198



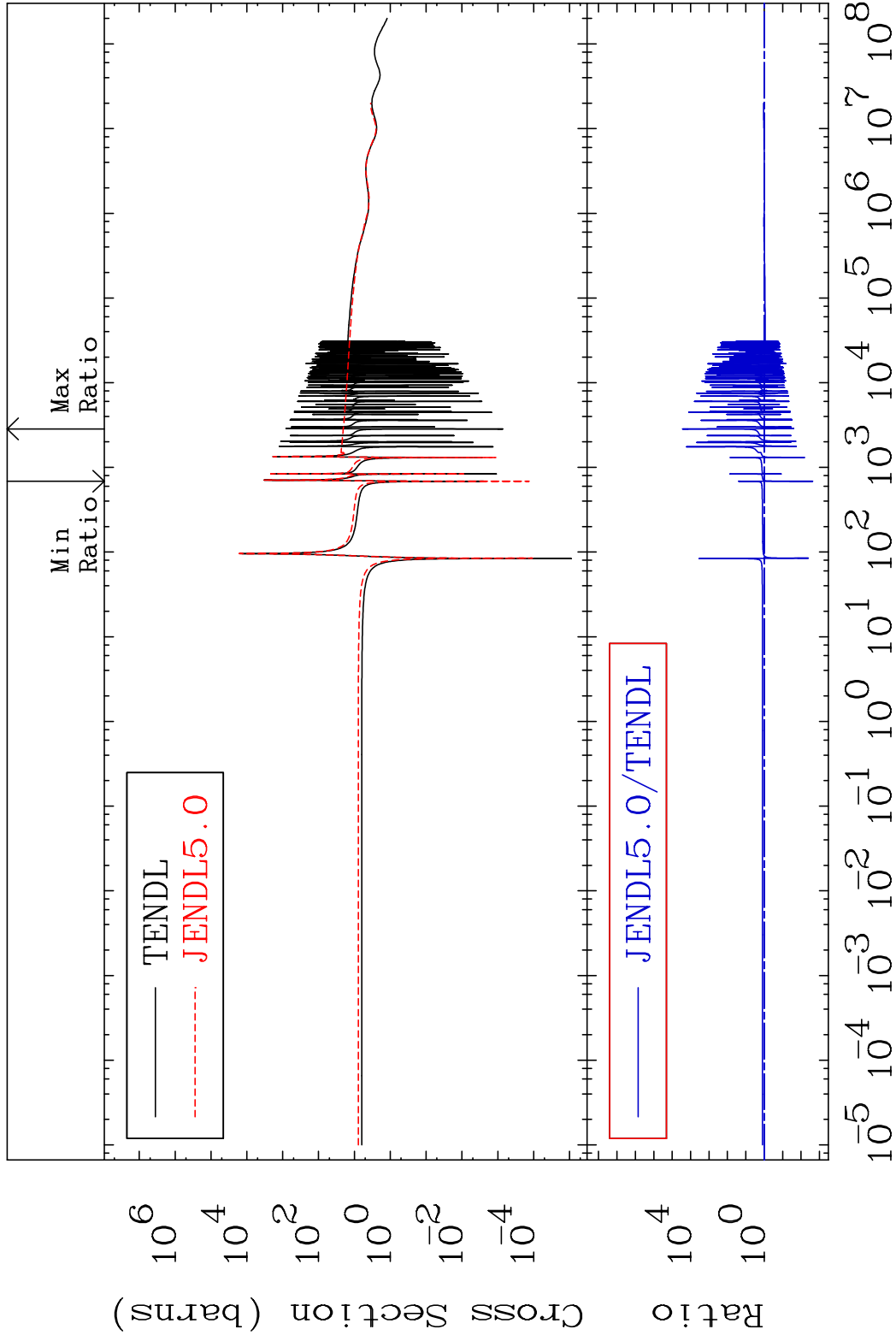
1 Incident Energy (eV) 78-Pt-198

MAT 7849

Elastic

78-Pt-198

Cross Section -99.76 To 9999. %



2

Incident Energy (eV)

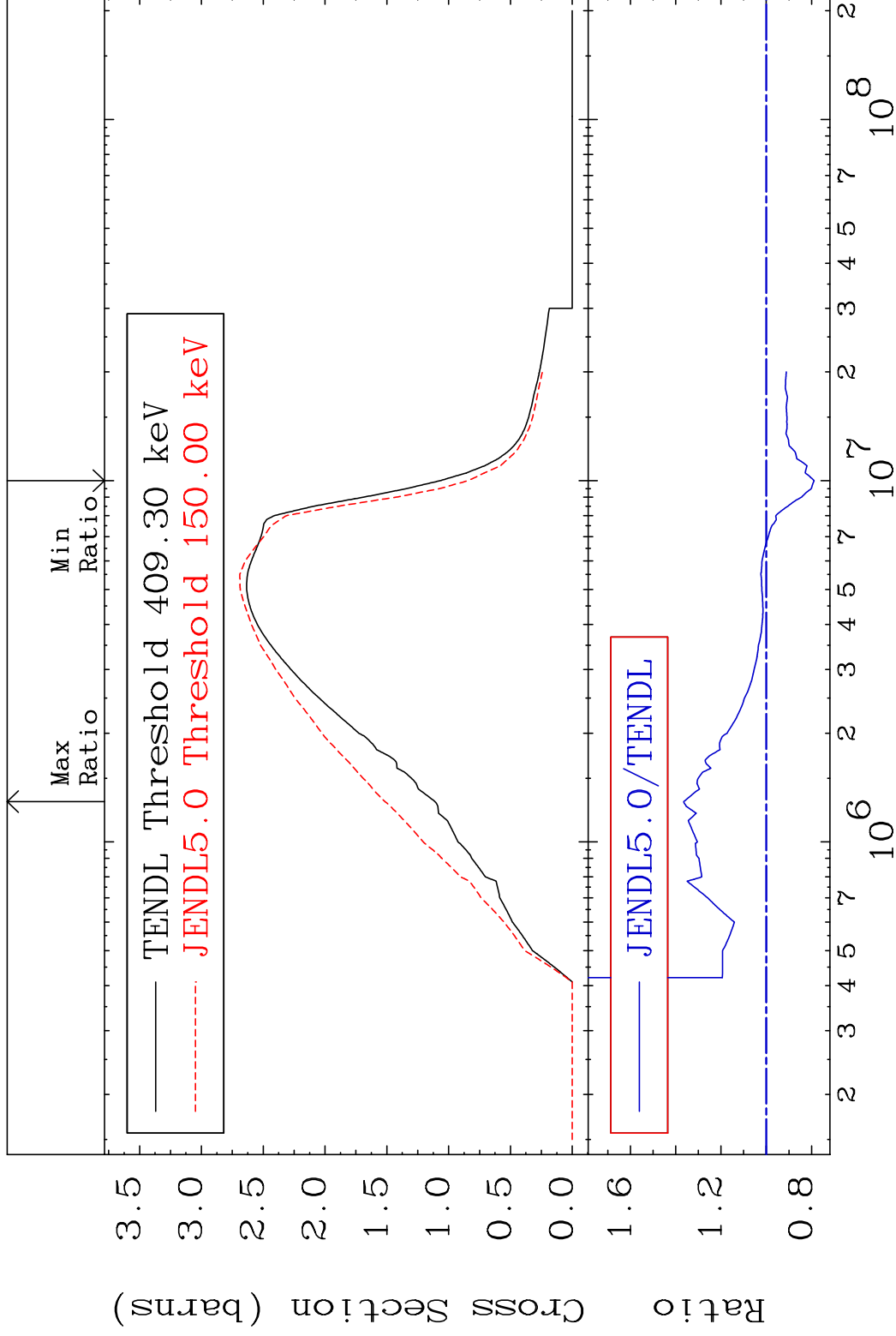
78-Pt-198

MAT 7849

Inelastic

78-Pt-198

Cross Section -21.13 To 36.50 %

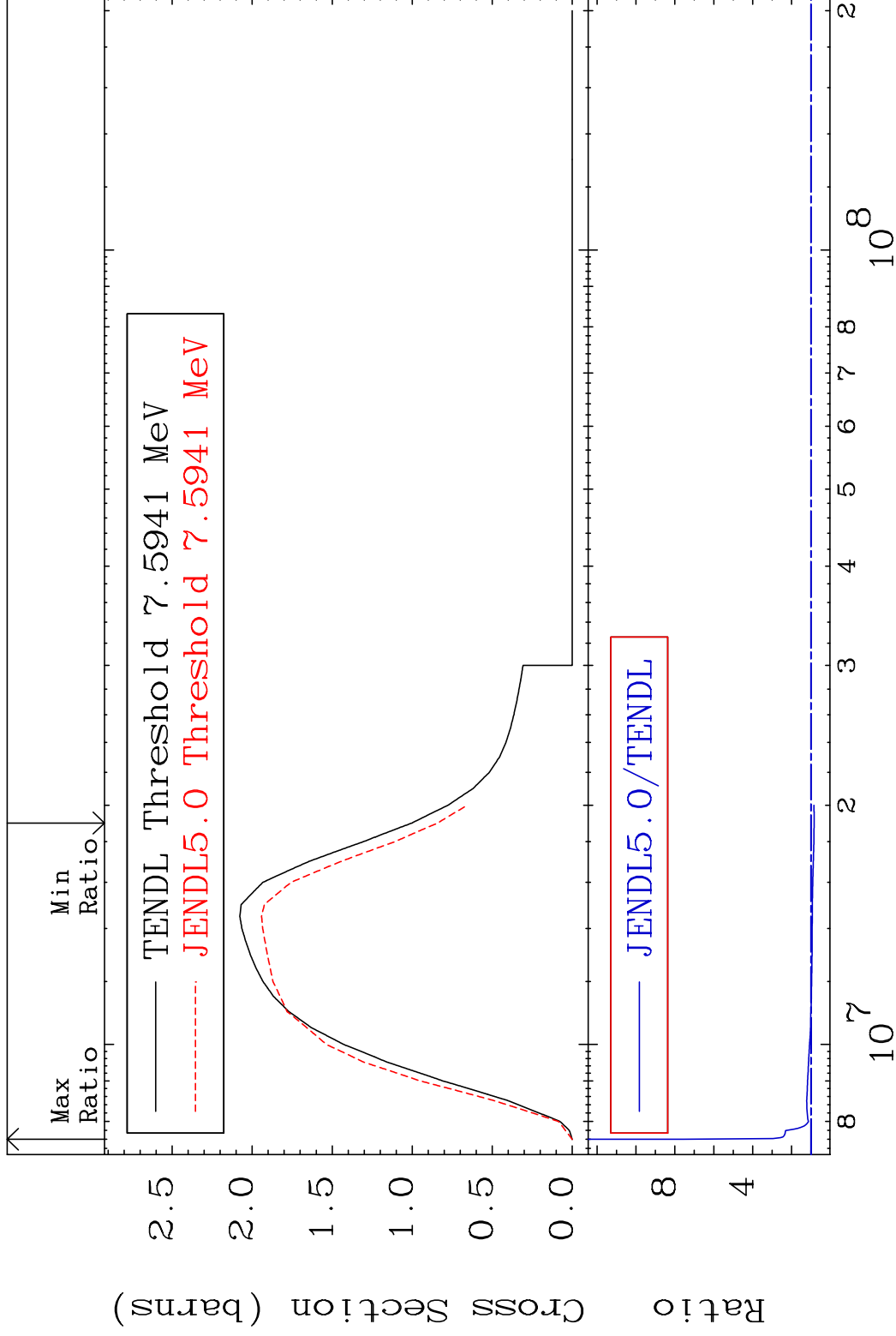


MAT 7849

(n,2n)

78-Pt-198

Cross Section -16.11 To 654.7 %



4

Incident Energy (eV)

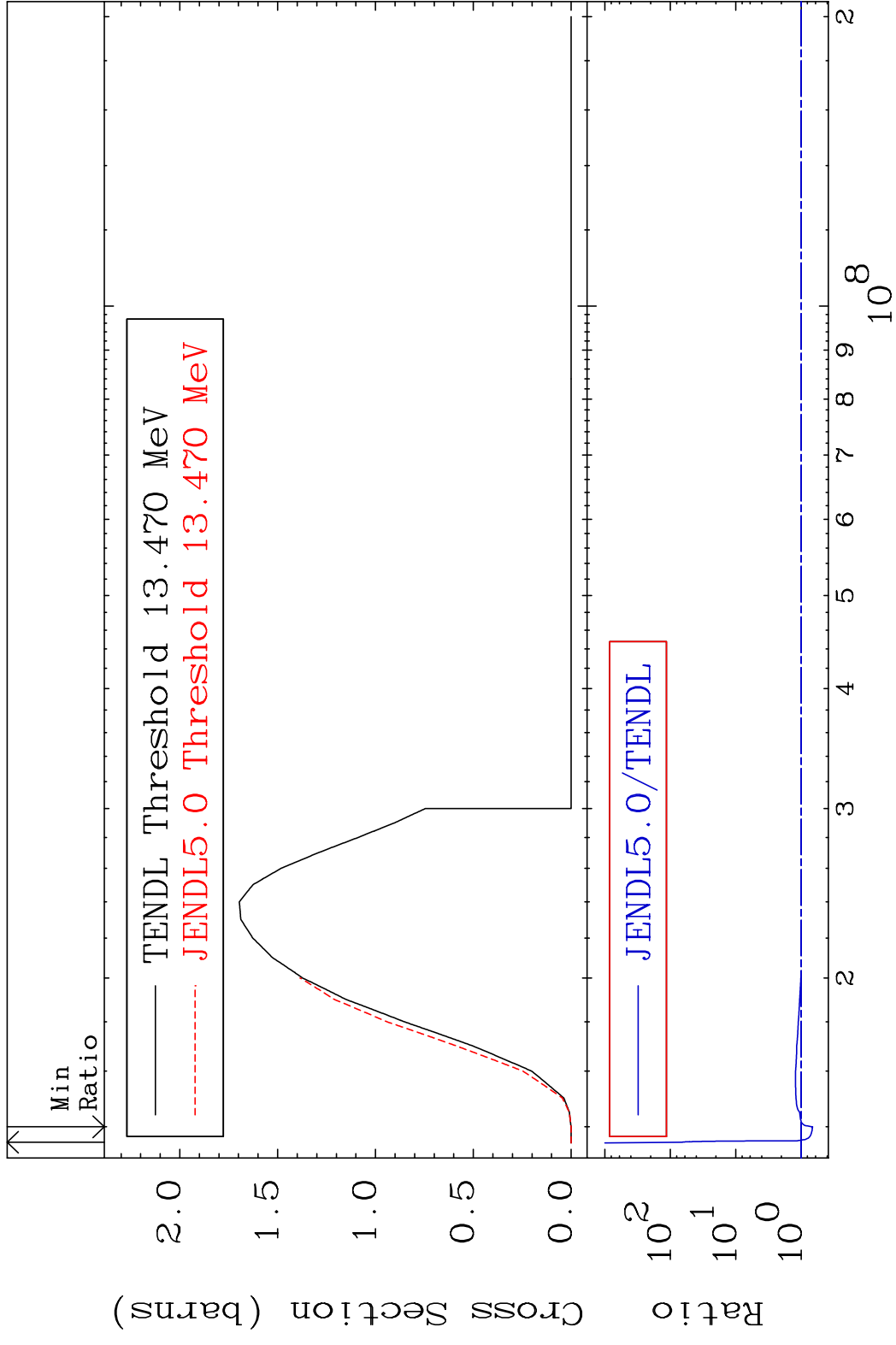
78-Pt-198

MAT 7849

(n,3n)

78-Pt-198

Cross Section -33.17 To 6442. %

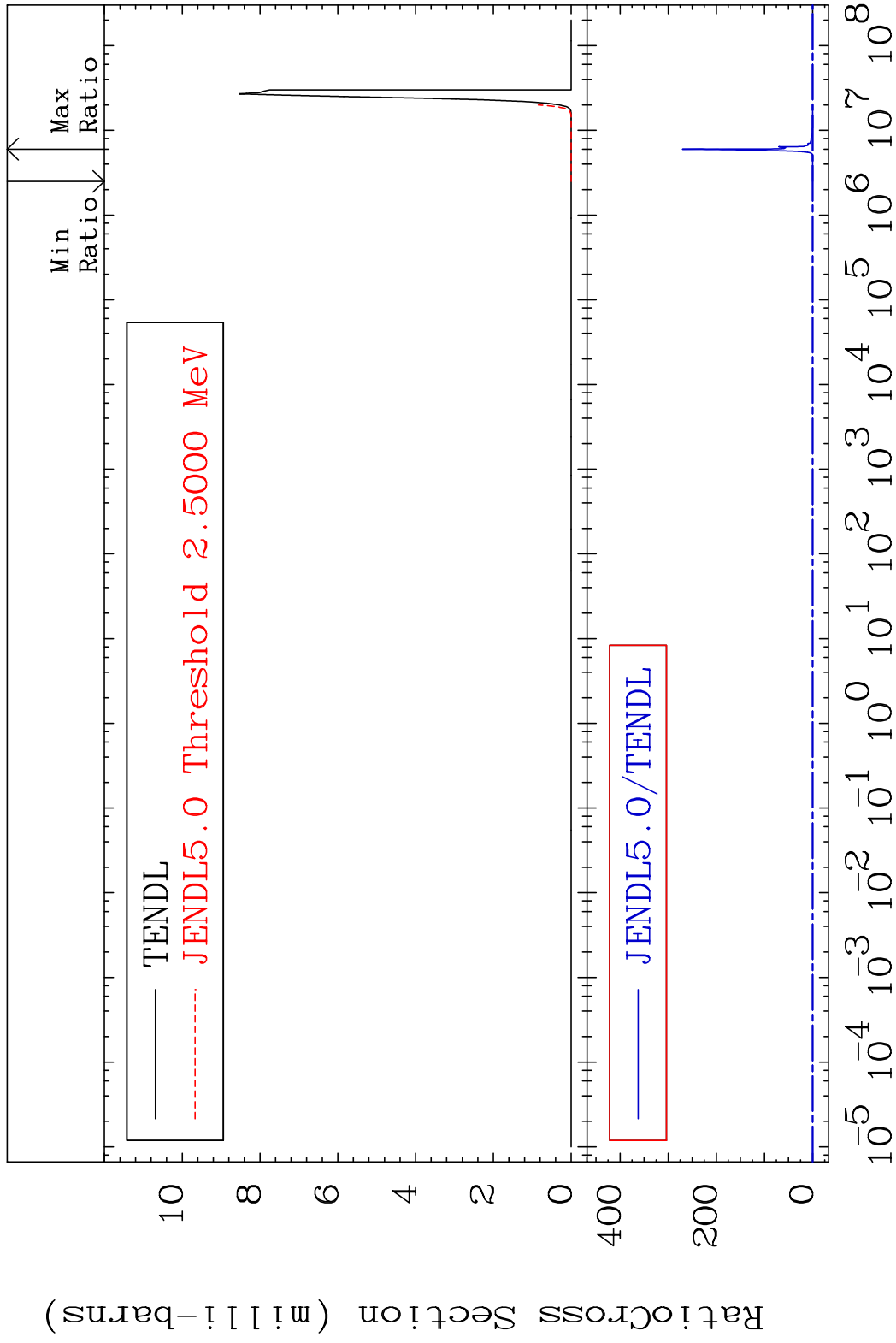


MAT 7849

(n, n') α

78-Pt-198

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

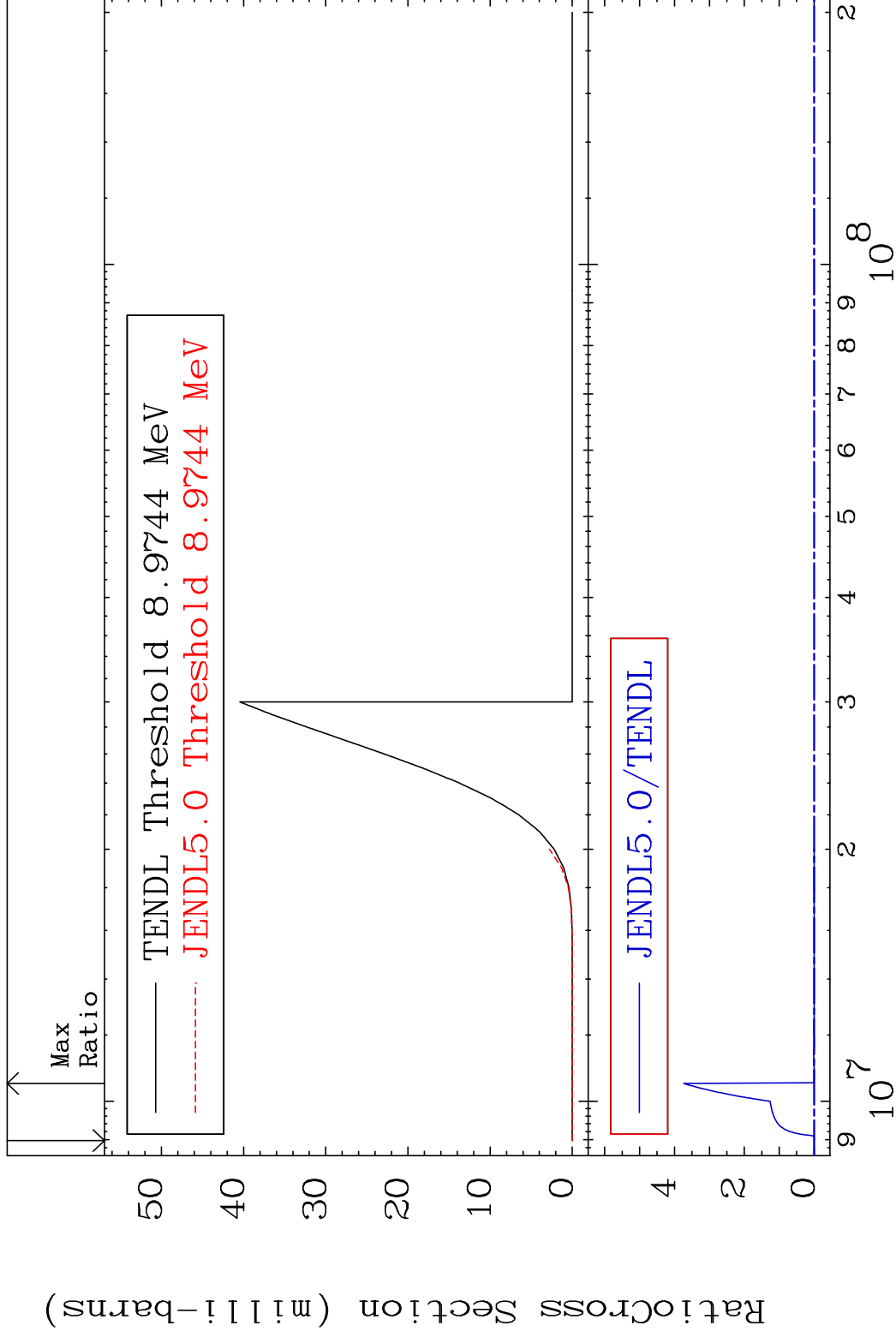
78-Pt-198

MAT 7849

(n, n') p

78-Pt-198

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

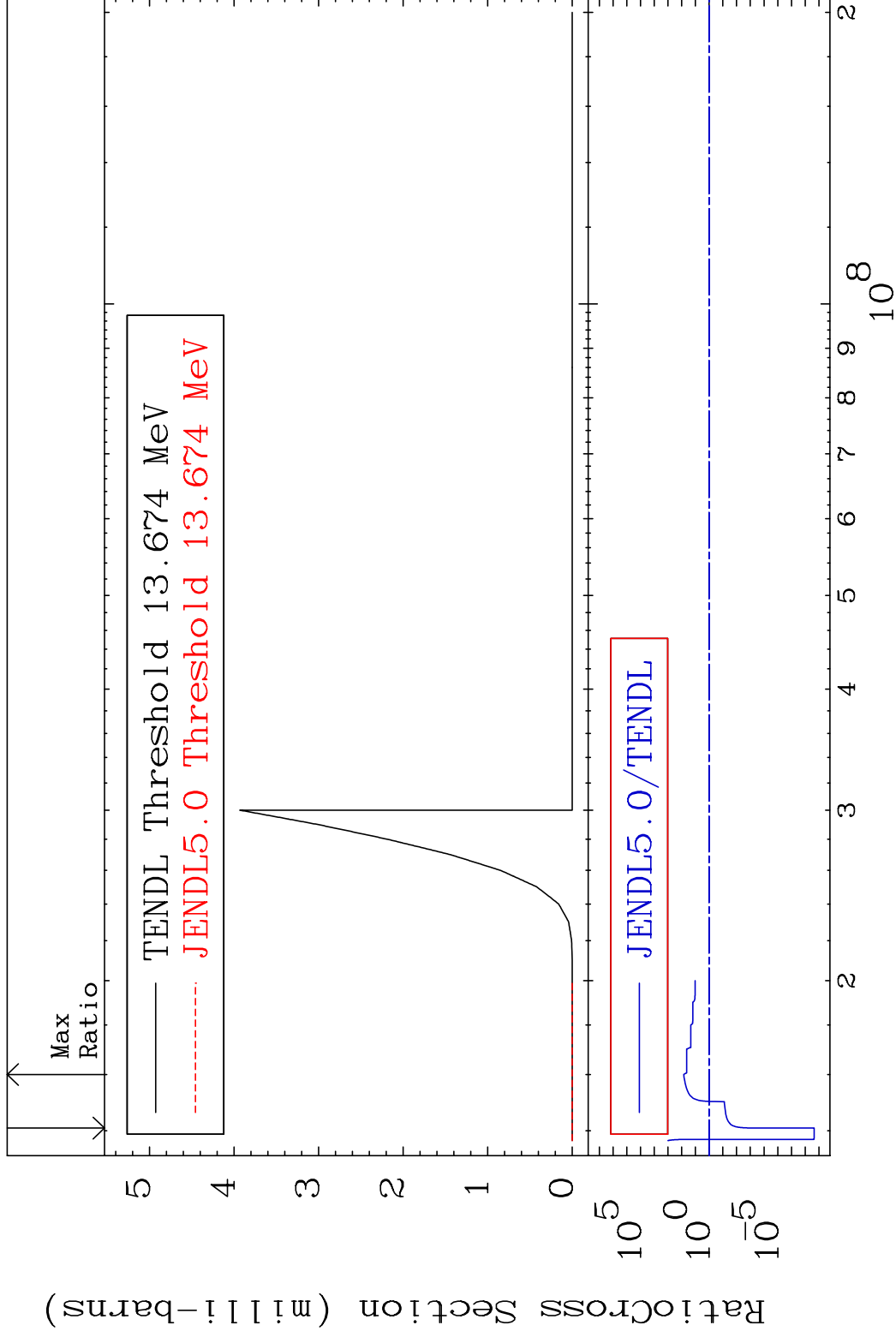
78-Pt-198

MAT 7849

(n, n') d

78-Pt-198

Cross Section -100.0 To 7074. %

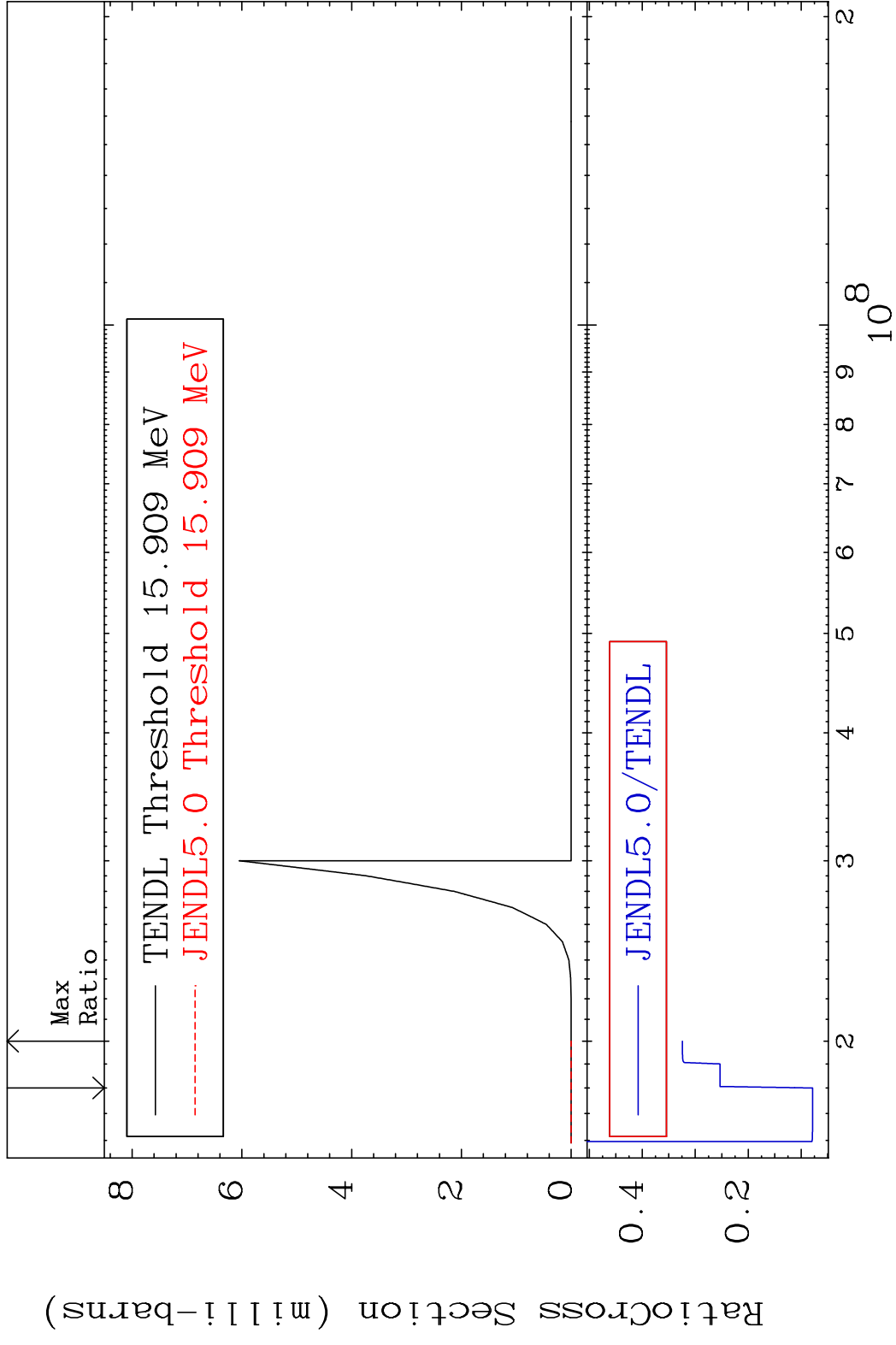


MAT 7849

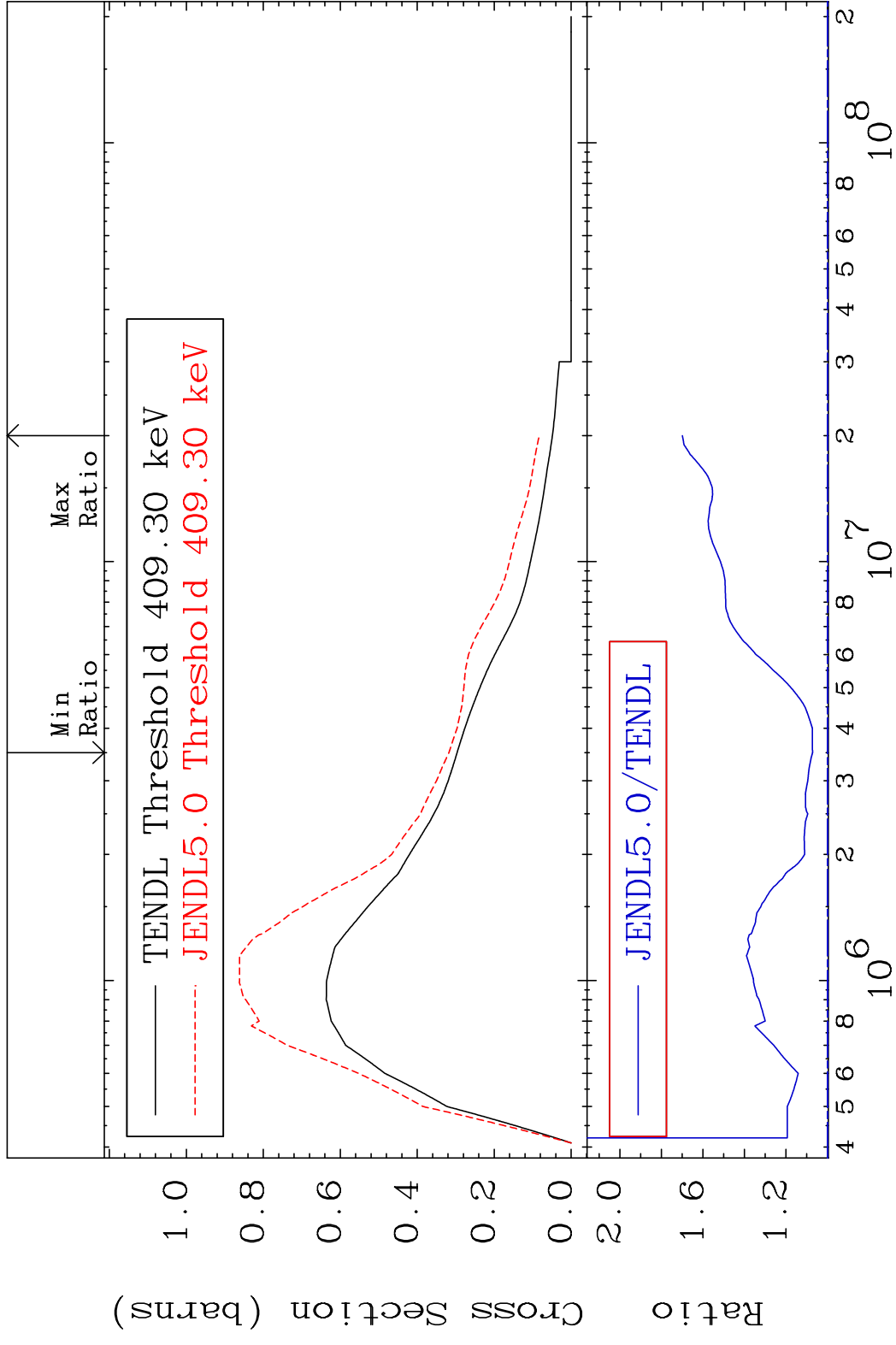
(n,2n) p

78-Pt-198

Cross Section -92.14 To -67.57%

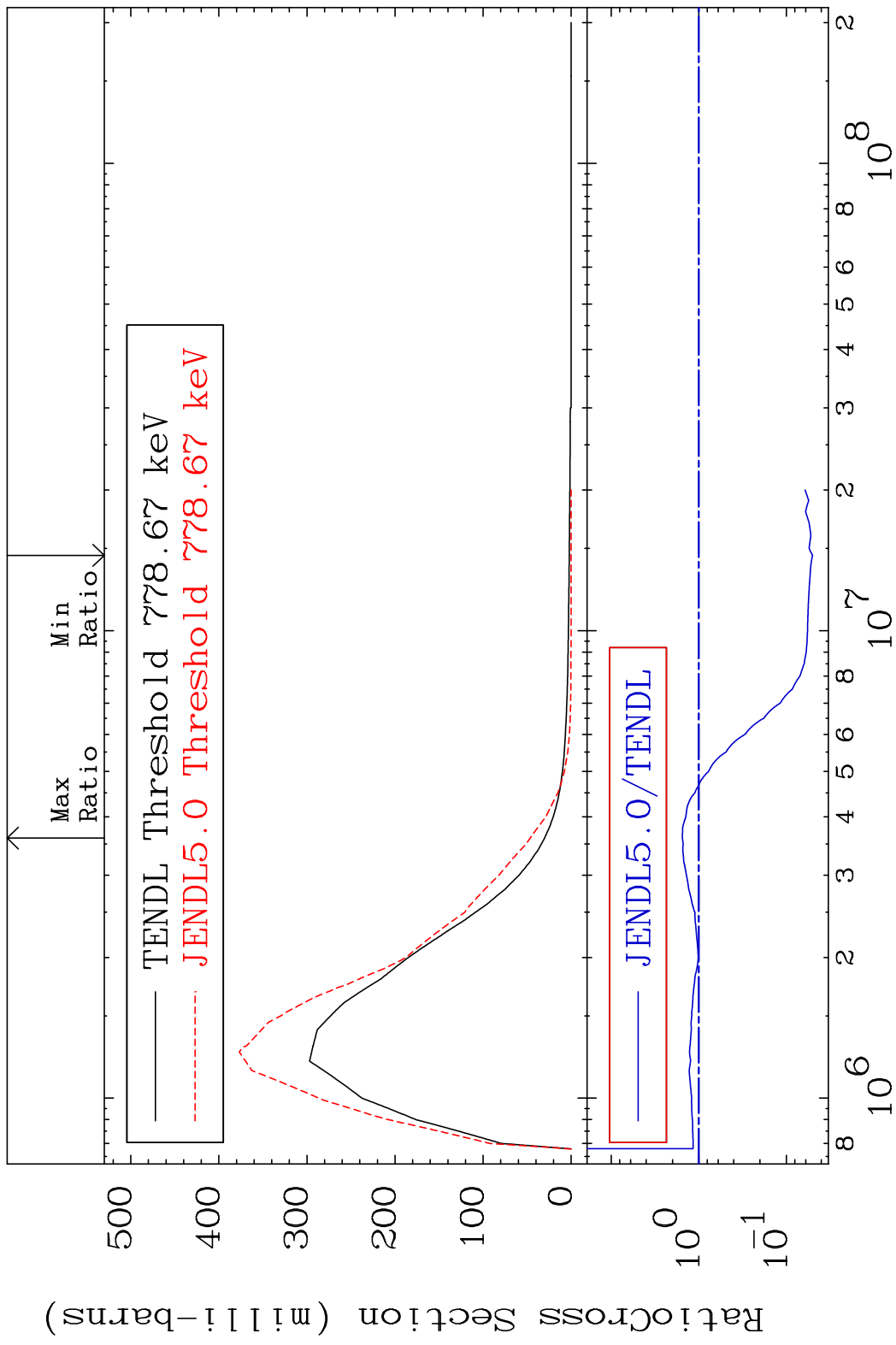


MAT 7849 MT= 51 (n, n') Level 78-Pt-198
 Cross Section 7.166 To 69.93 %

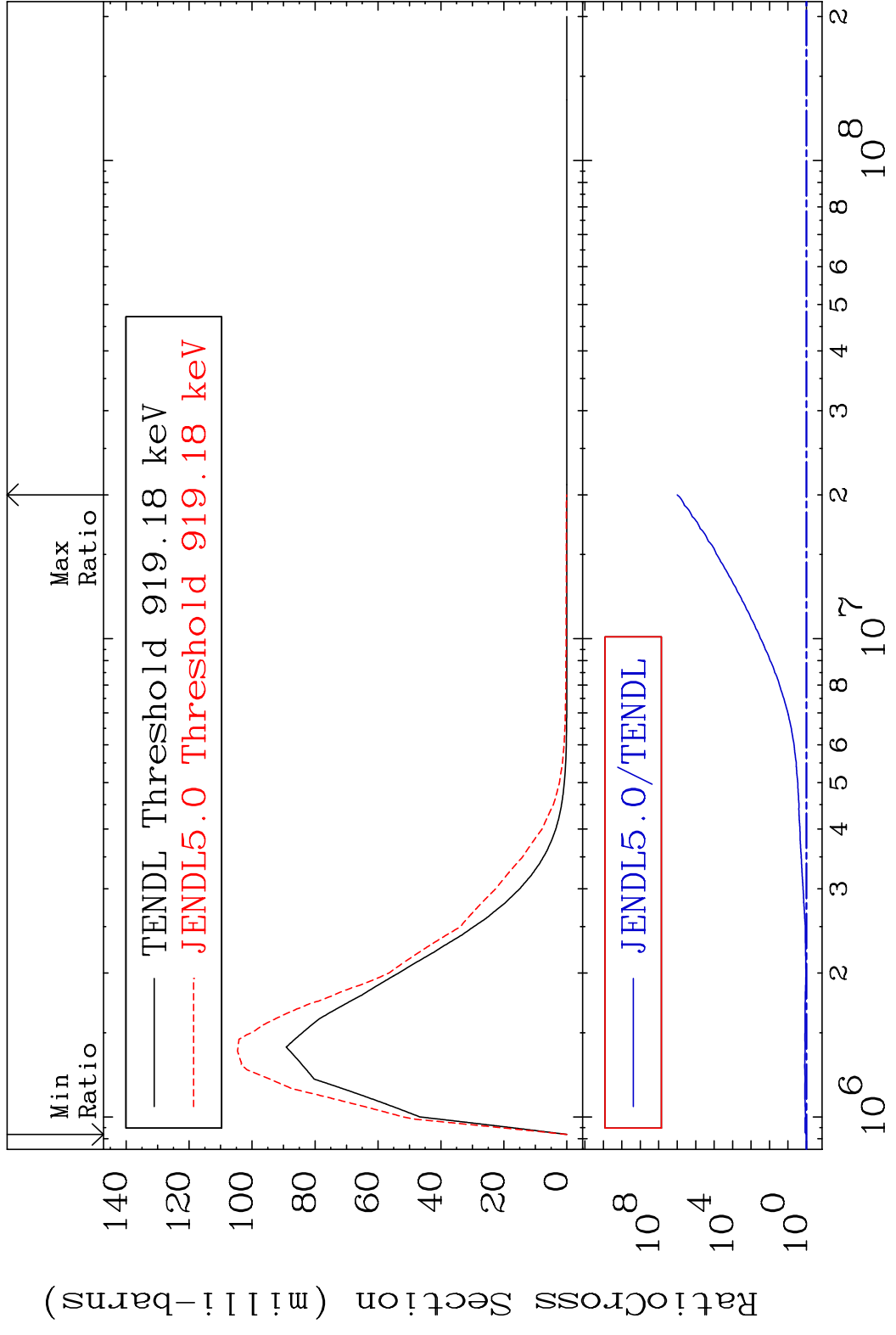


10 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 52 (n, n') Level 78-Pt-198
 Cross Section -94.98 To 54.30 %

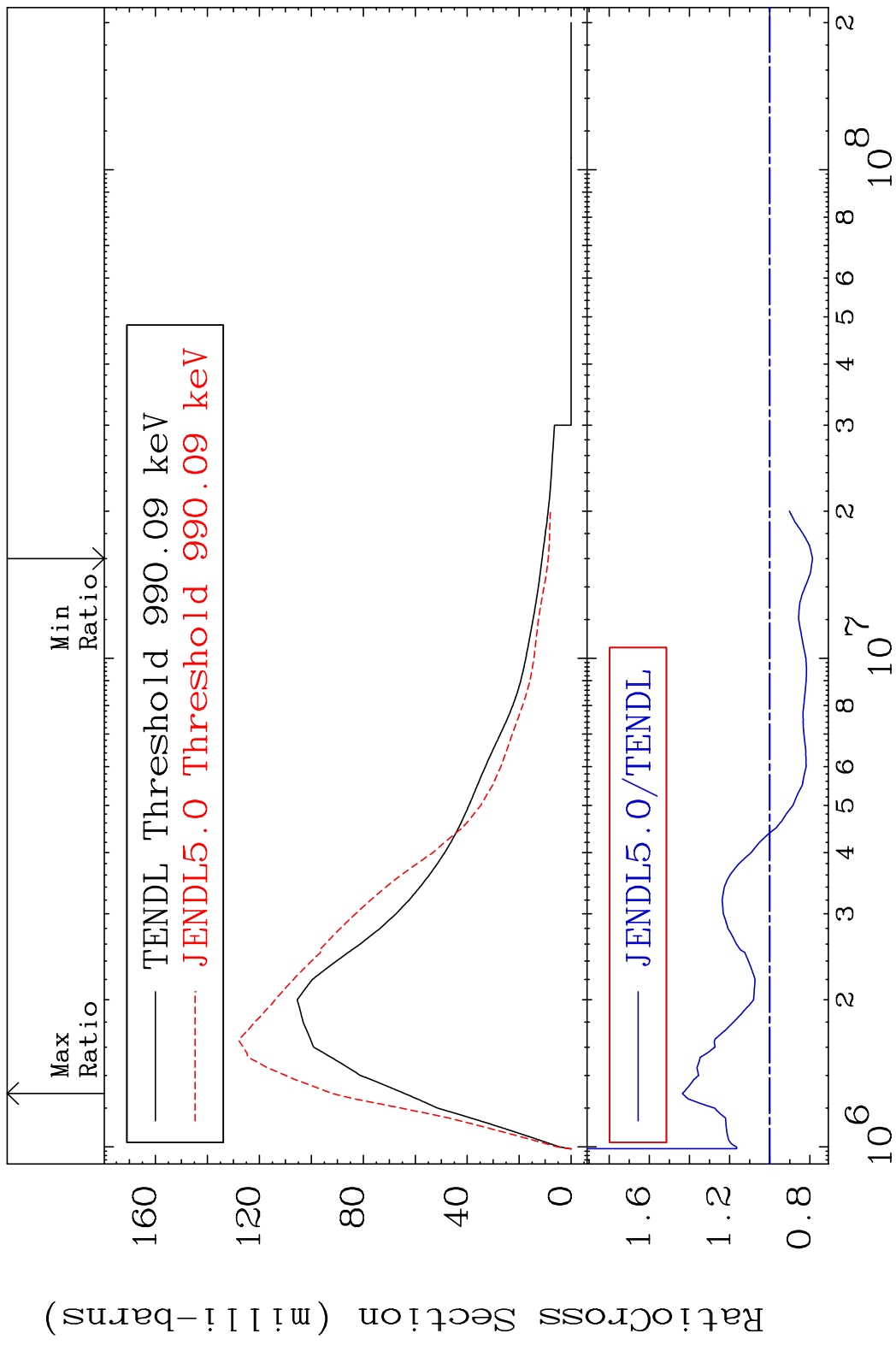


MAT 7849 MT= 53 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



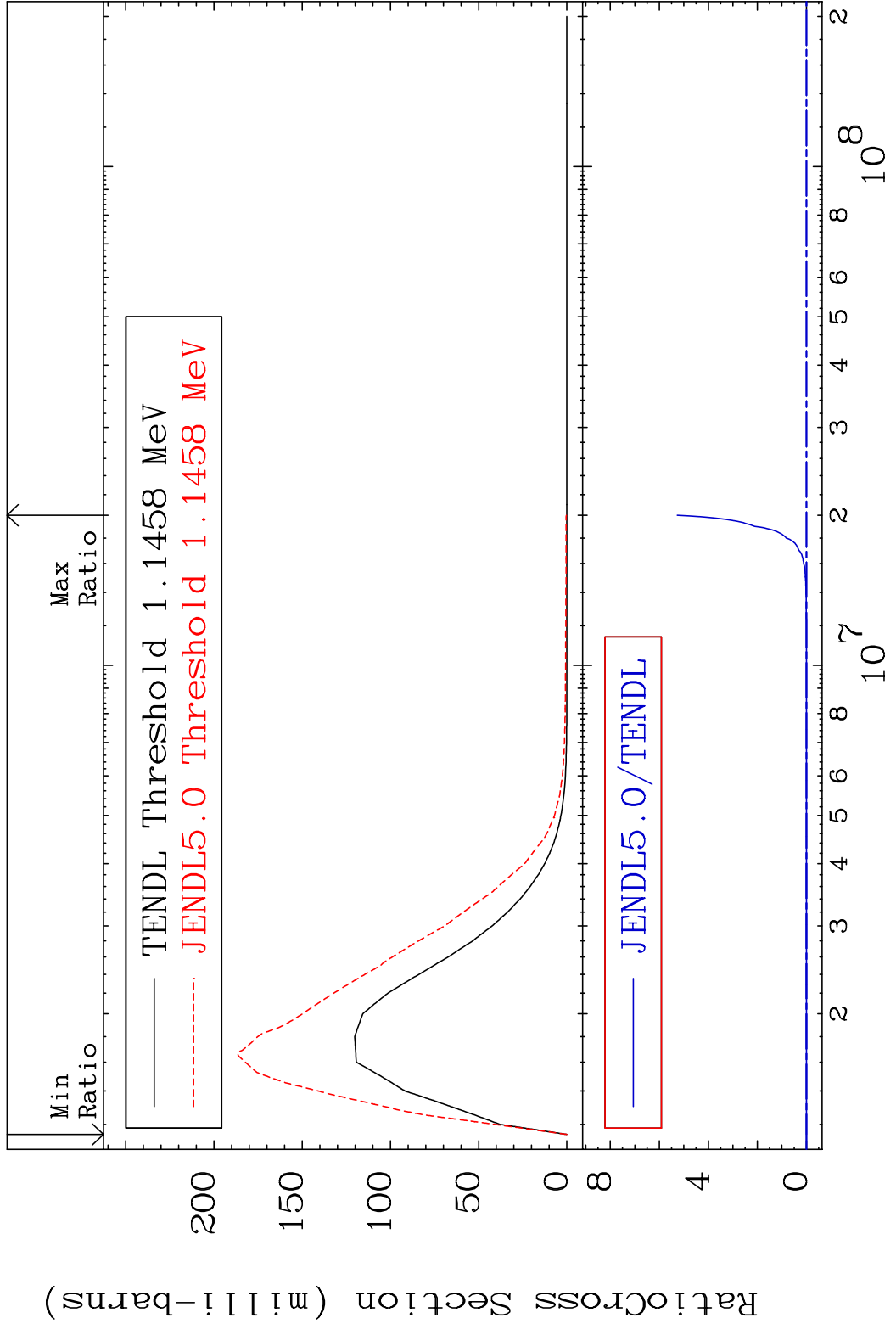
12 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 54 (n, n') Level 78-Pt-198
 Cross Section -21.28 To 43.54 %

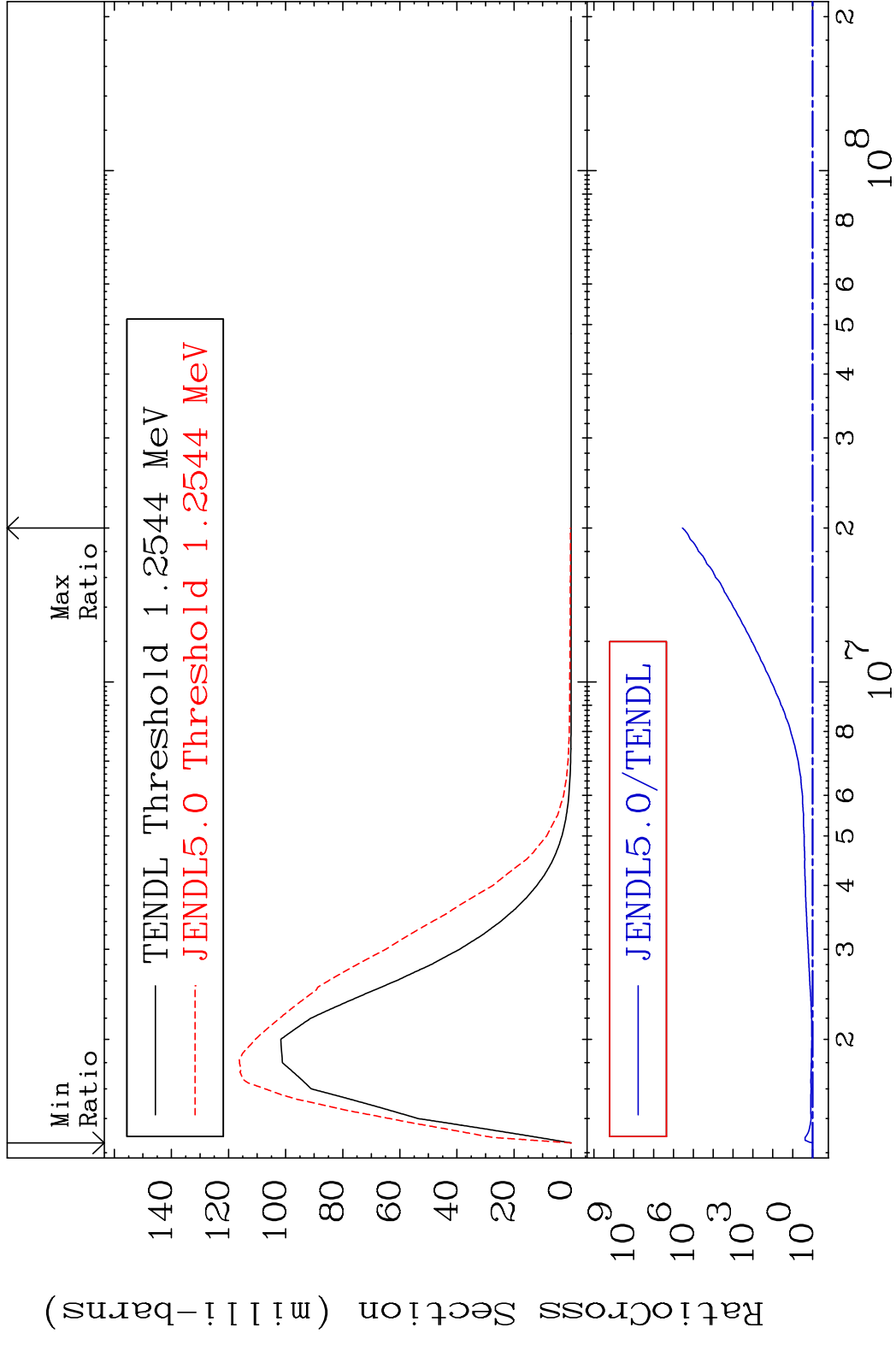


13 Incident Energy (eV) 78-Pt-198

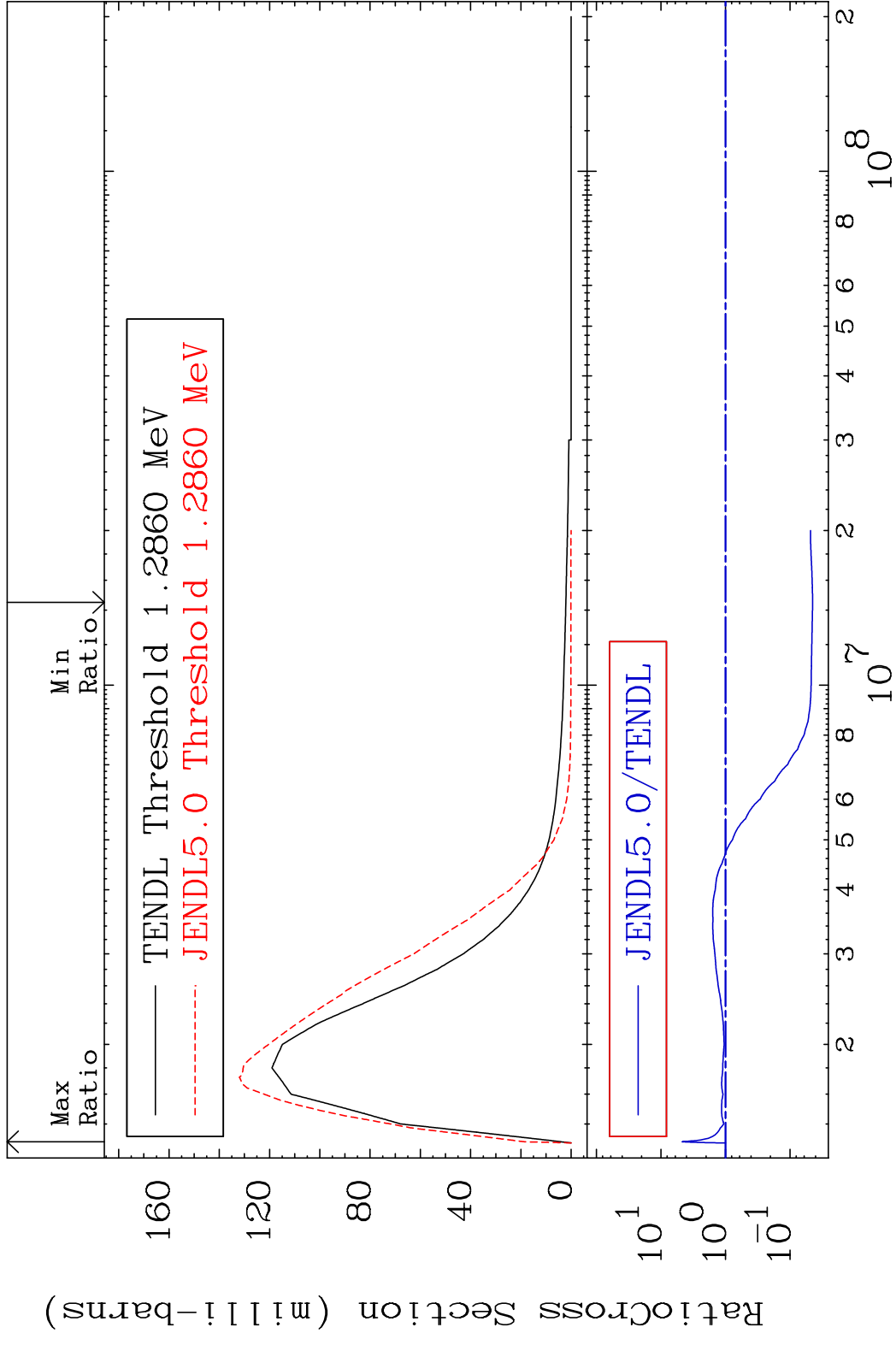
MAT 7849 MT= 55 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 9999. %



MAT 7849 MT= 56 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



MAT 7849 MT= 57 (n, n') Level 78-Pt-198
 Cross Section -95.54 To 365.4 %

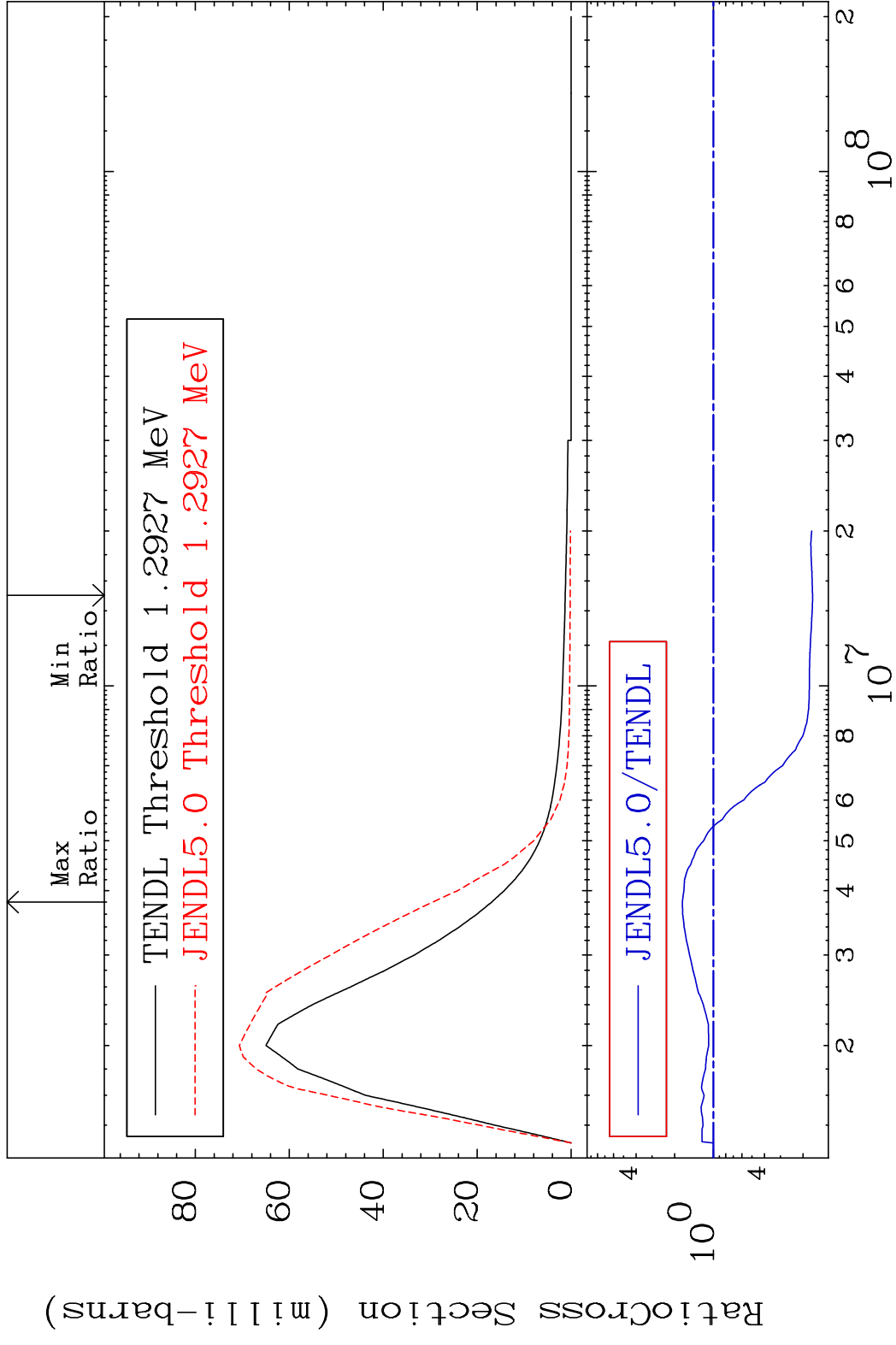


MAT 7849

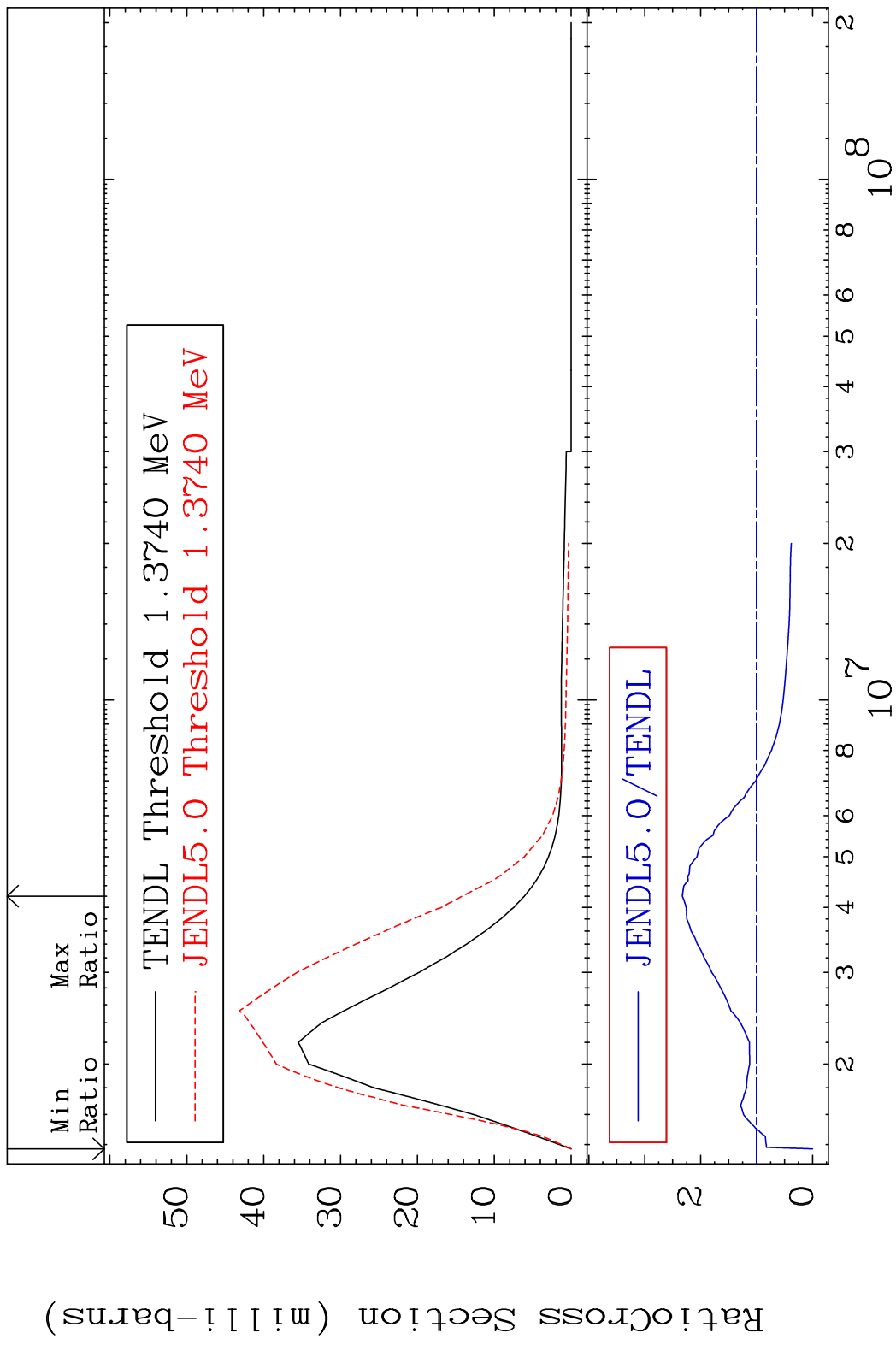
MT= 58 (n, n') Level

78-Pt-198

Cross Section -83.13 To 74.45 %



MAT 7849 MT= 59 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 132.7 %

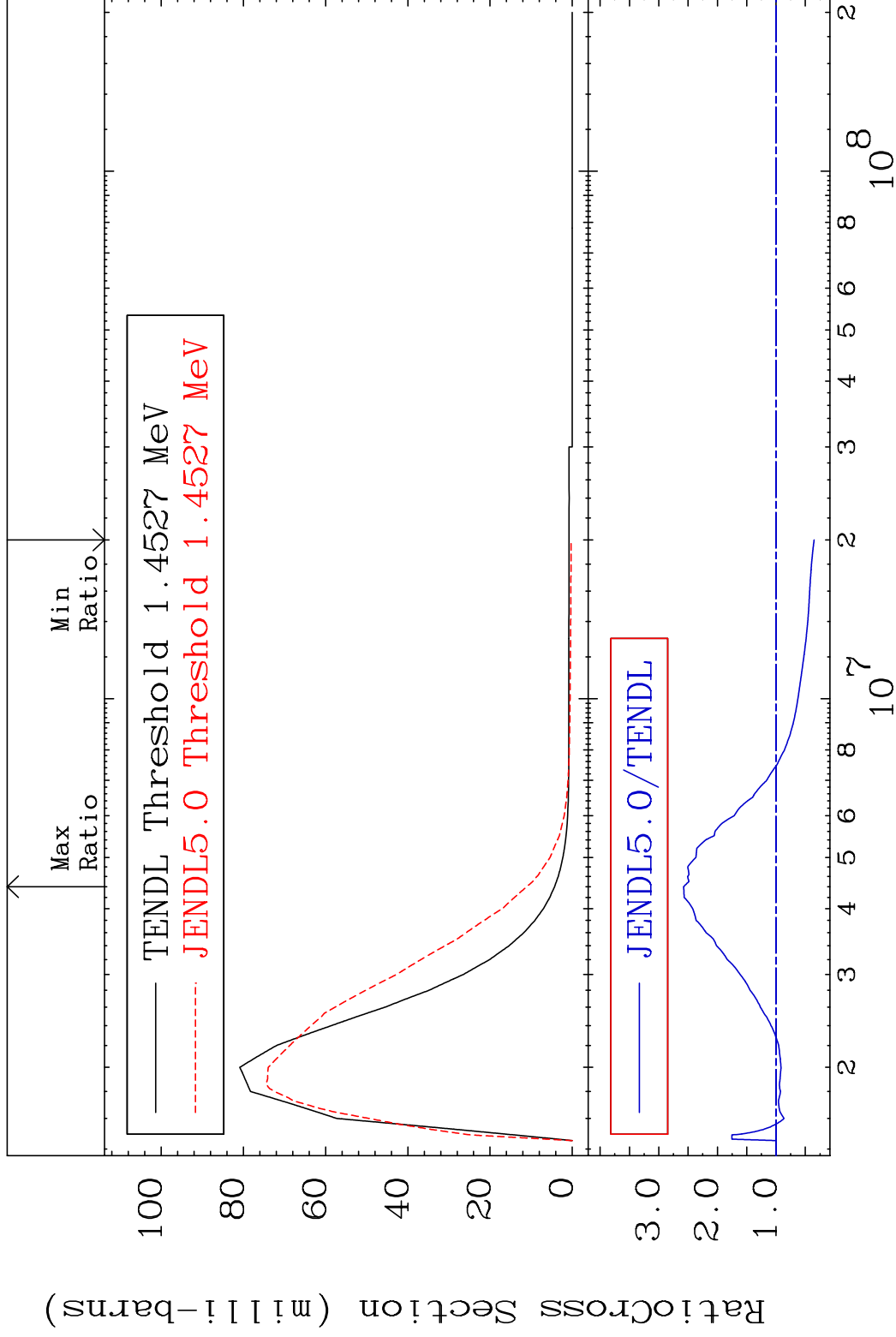


MAT 7849

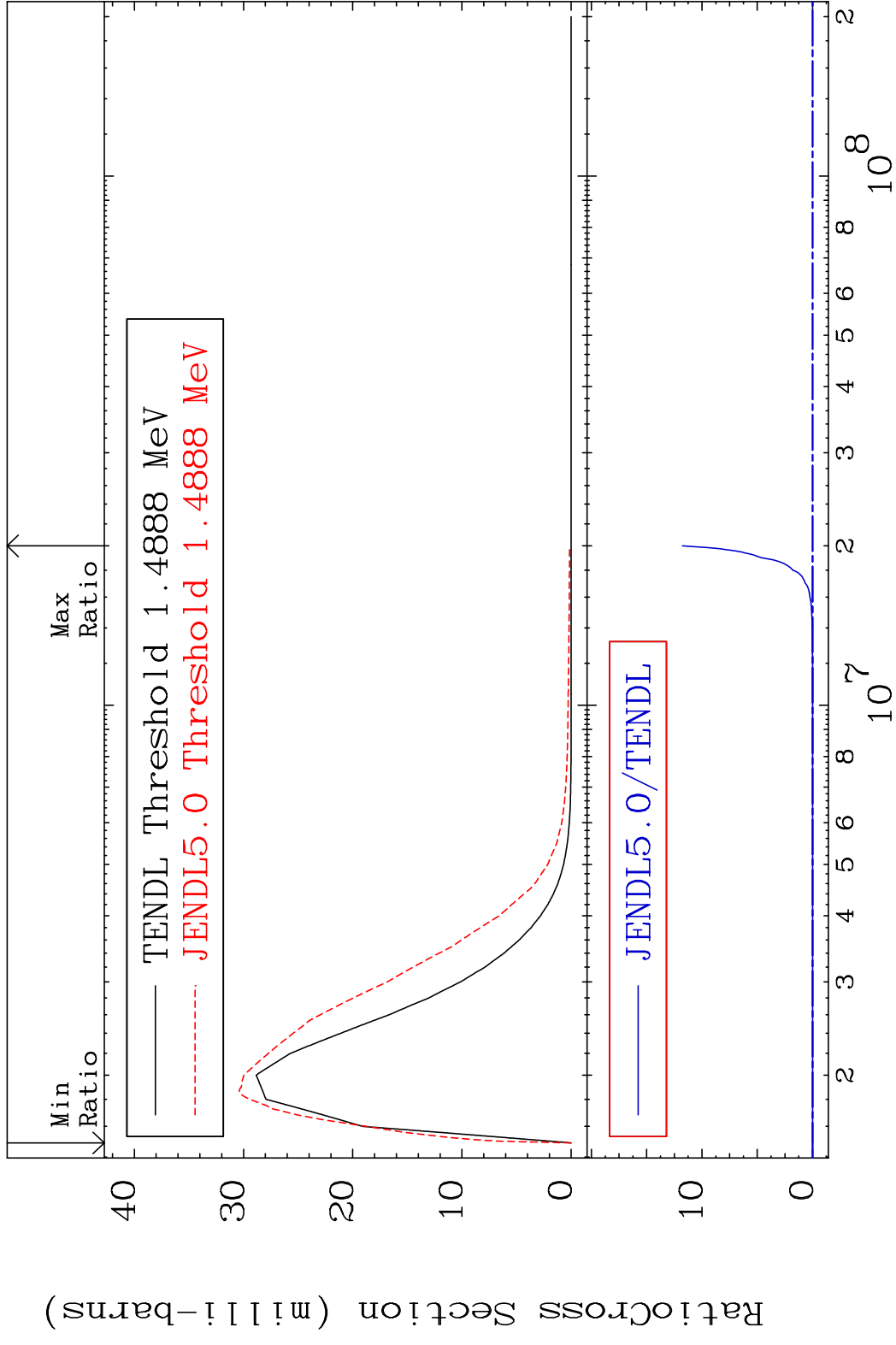
MT= 60 (n, n') Level

78-Pt-198

Cross Section -64.92 To 157.6 %

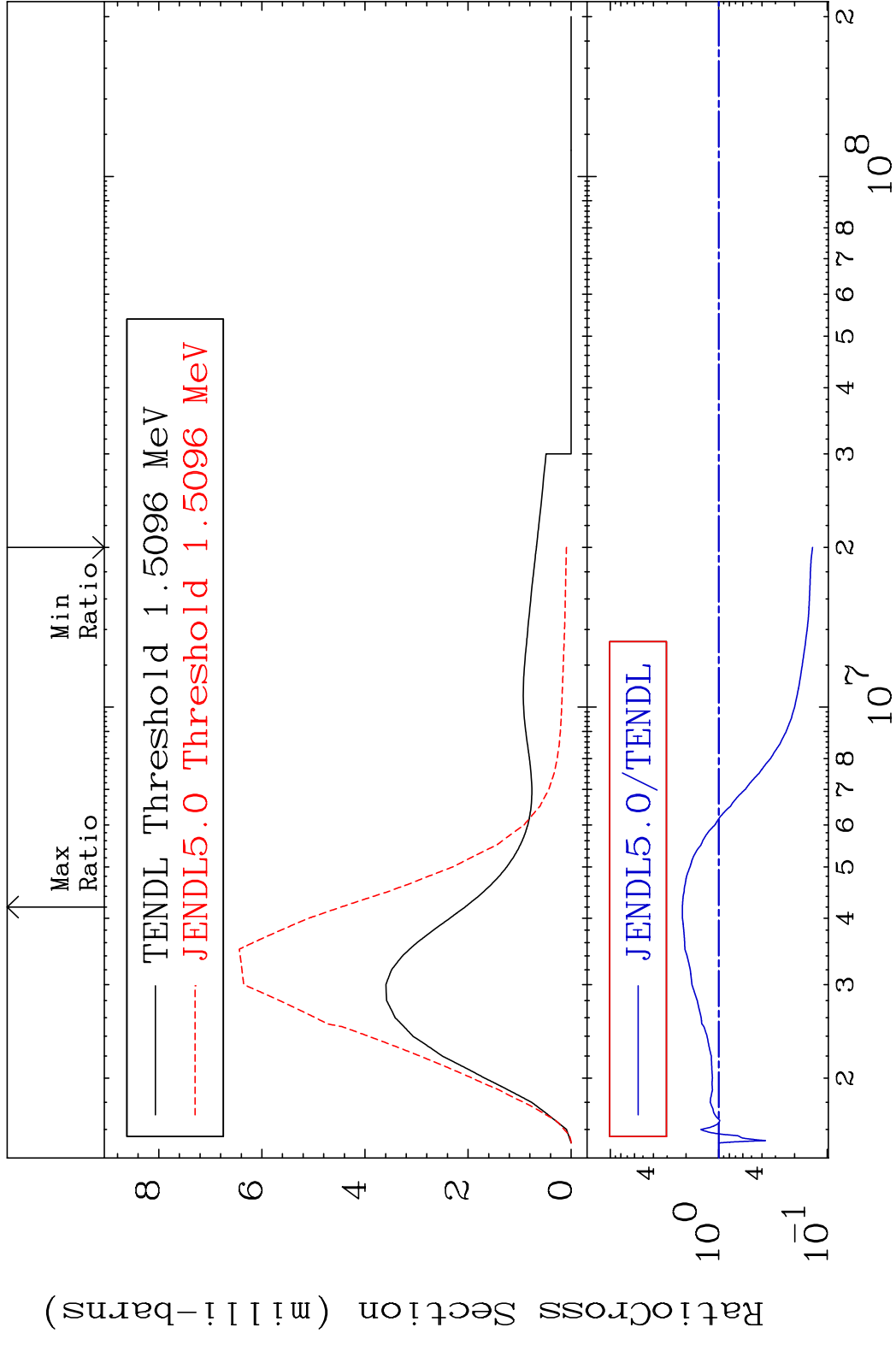


MAT 7849 MT= 61 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 9999. %

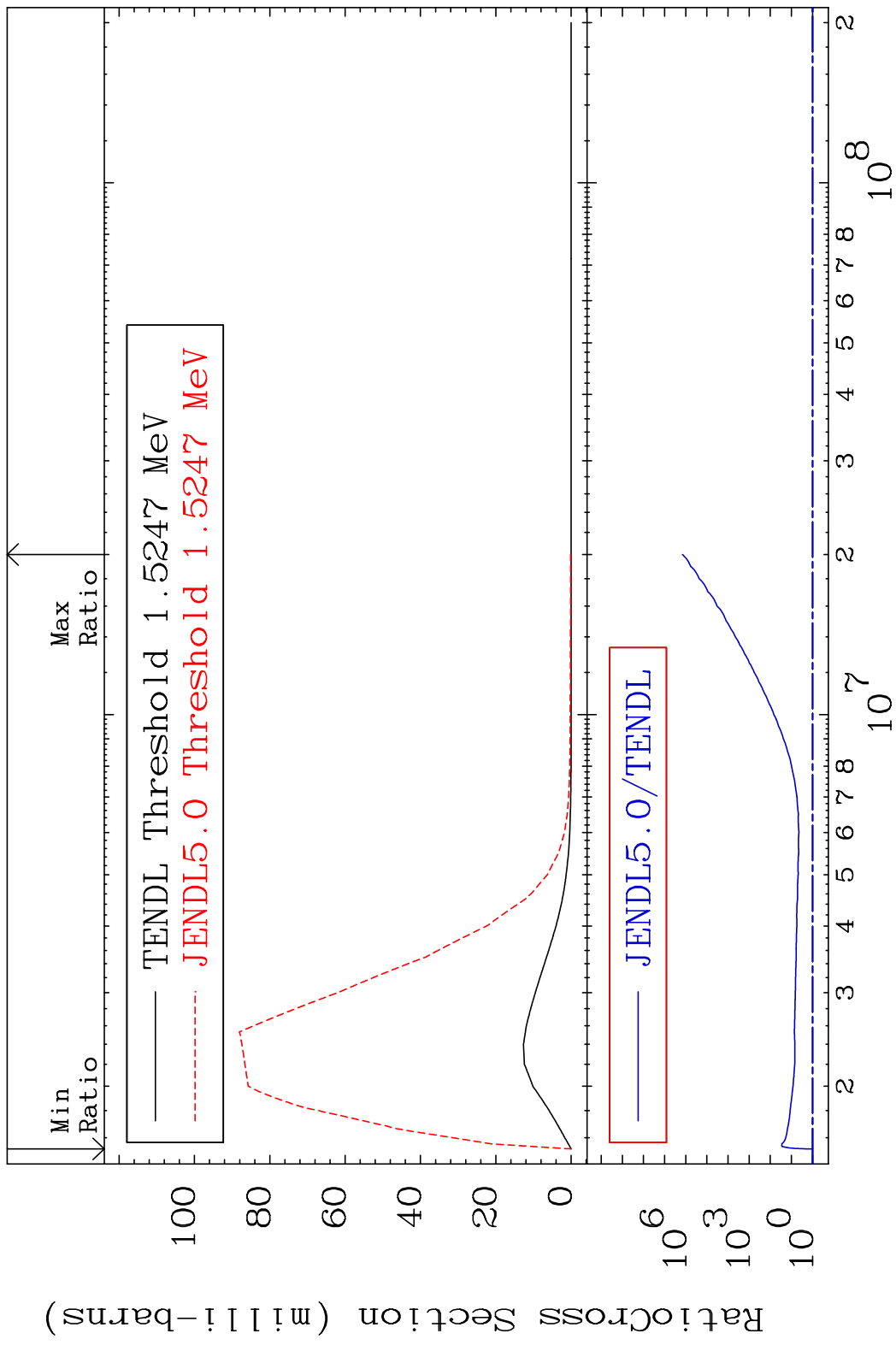


20 Incident Energy (eV) 78-Pt-198

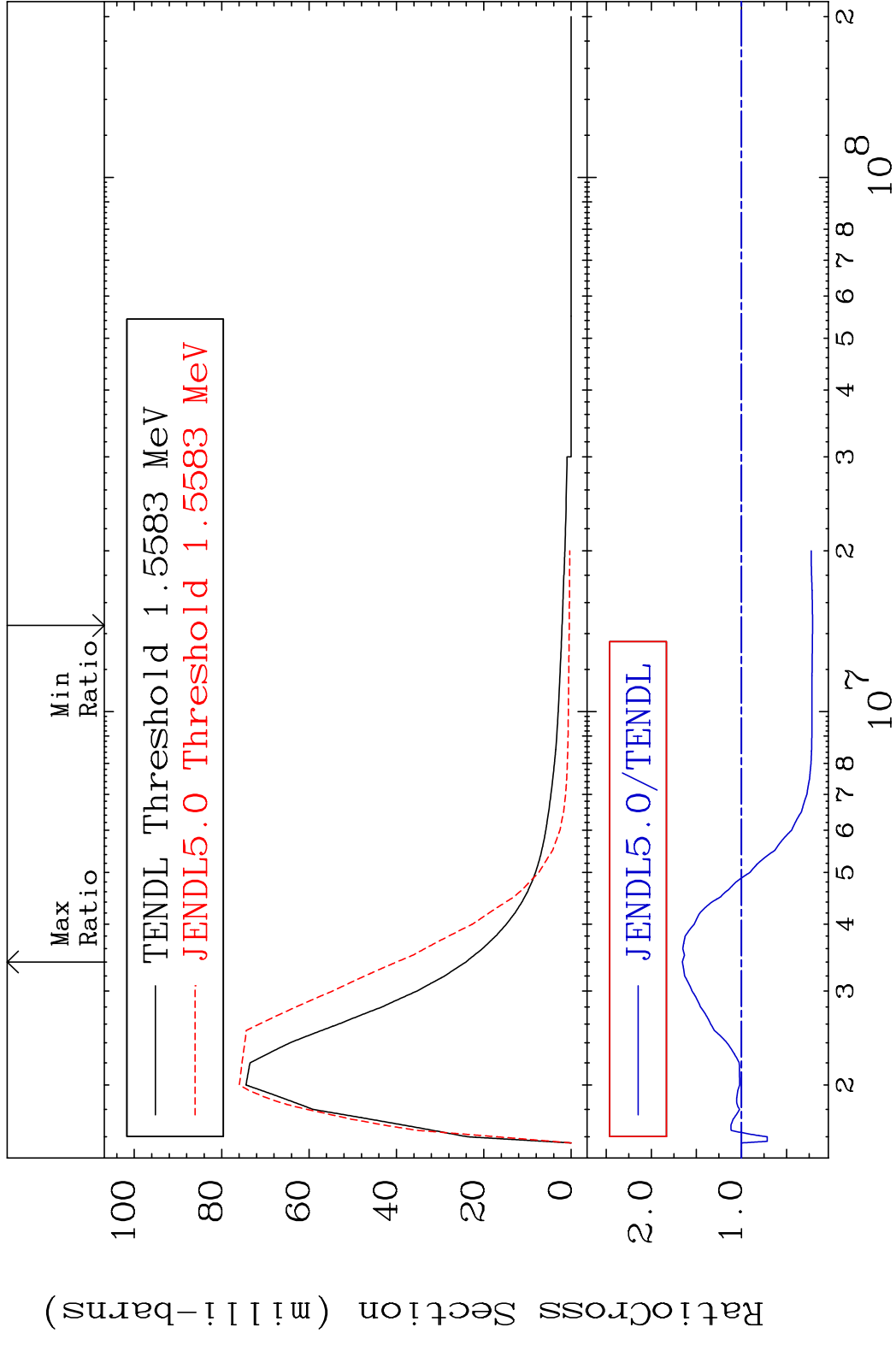
MAT 7849 MT= 62 (n, n') Level 78-Pt-198
 Cross Section -86.37 To 116.8 %



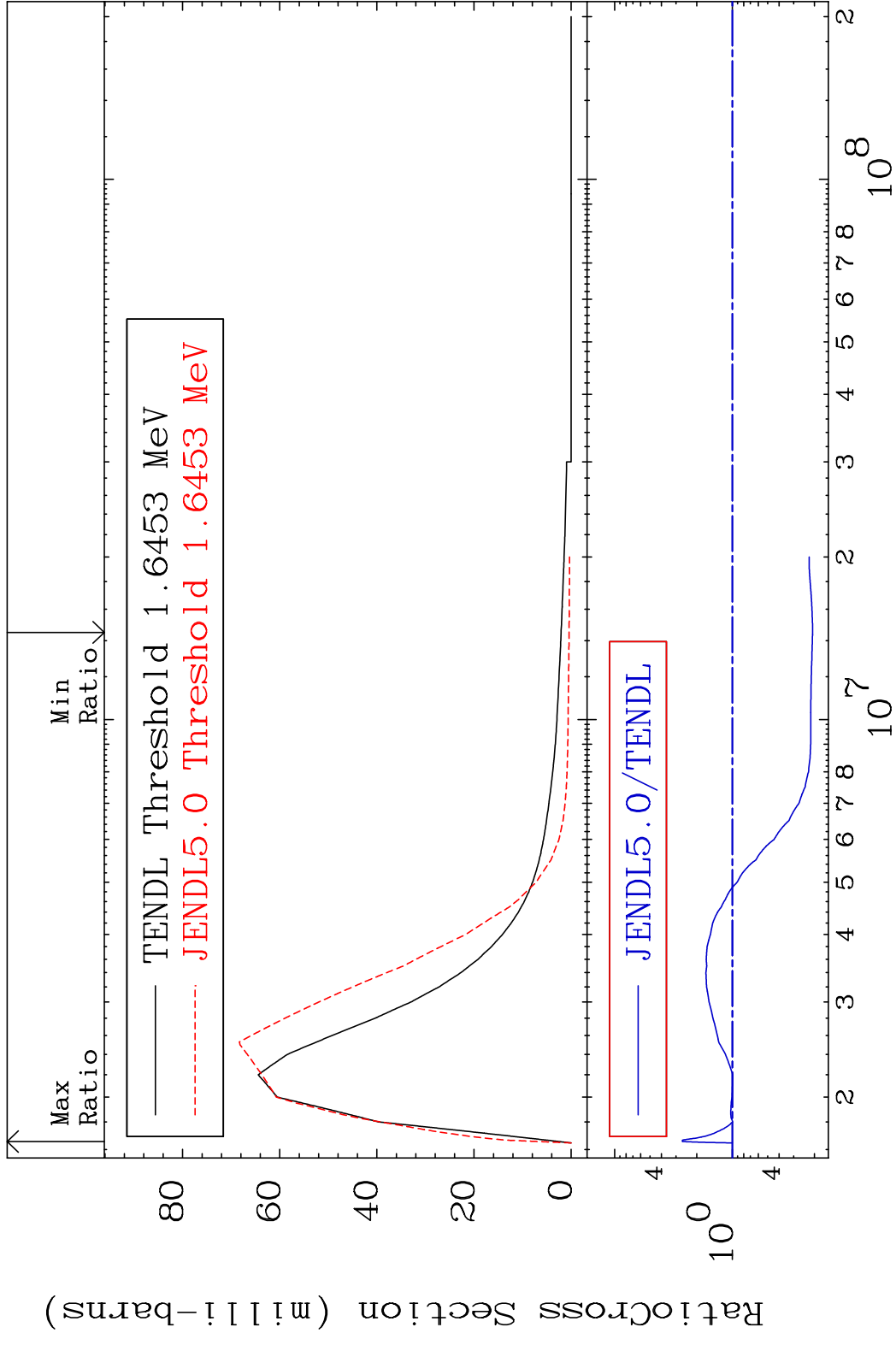
MAT 7849 MT= 63 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



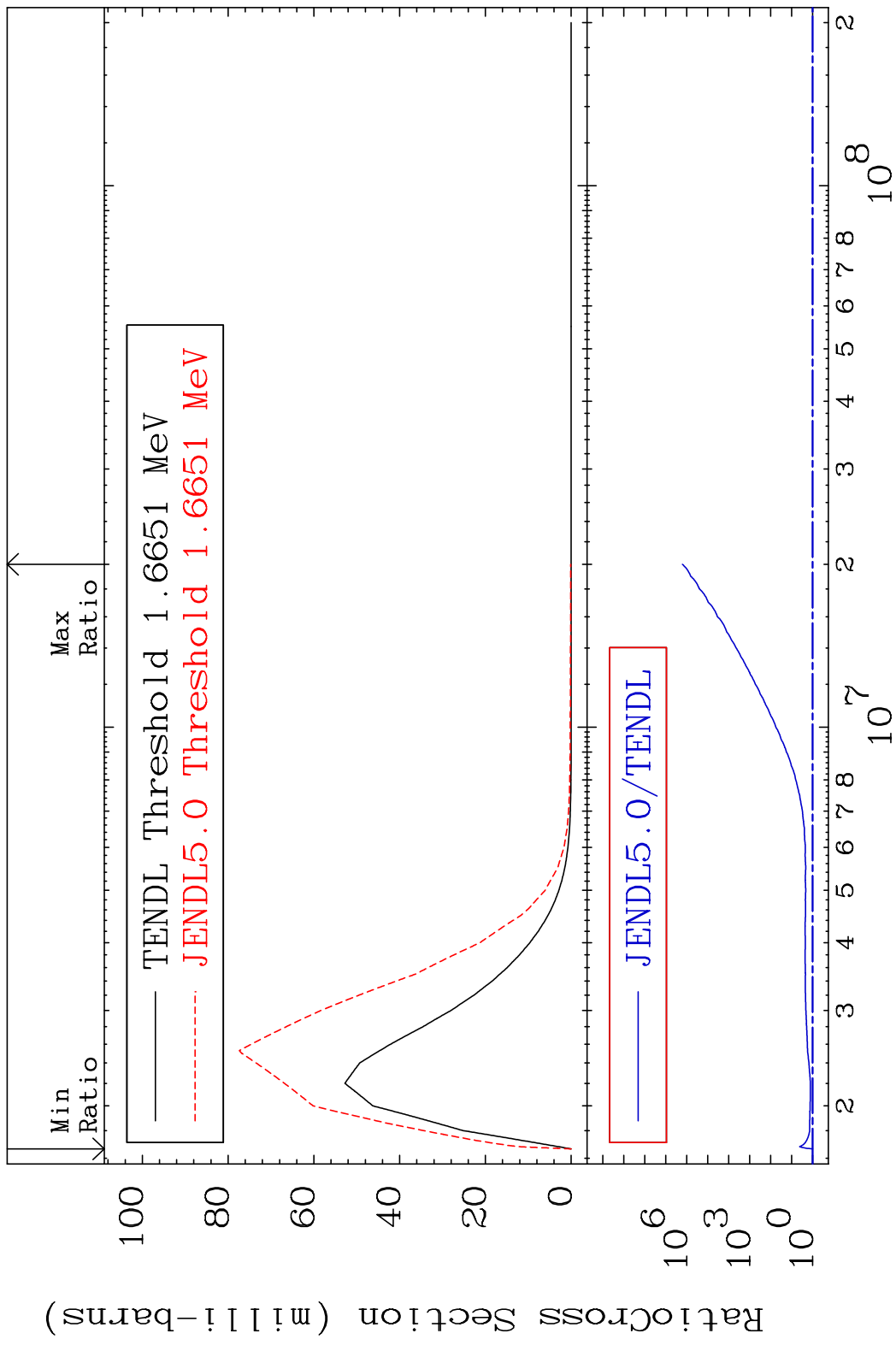
MAT 7849 MT= 64 (n,n') Level 78-Pt-198
 Cross Section -78.87 To 65.60 %



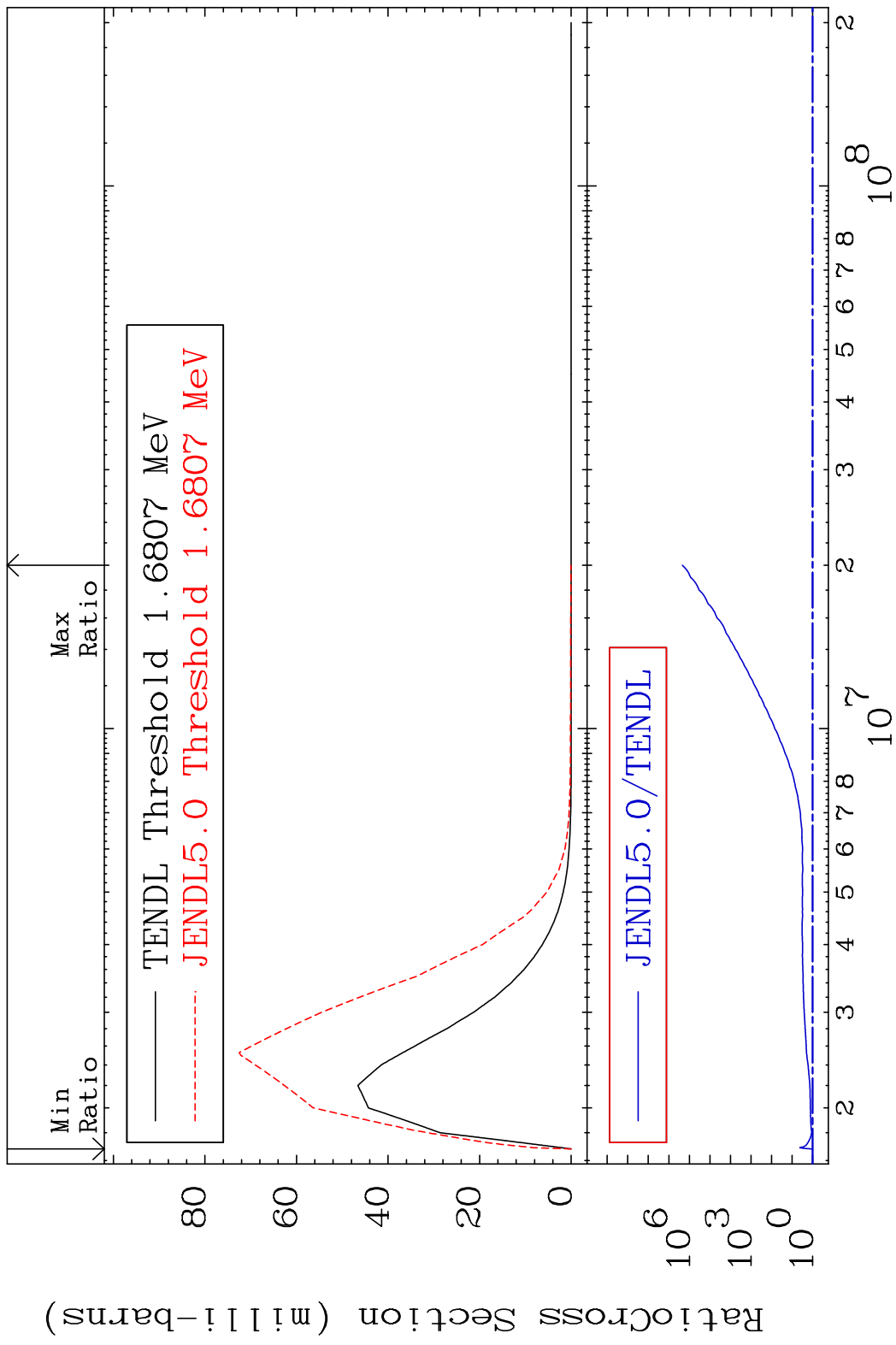
MAT 7849 MT= 65 (n, n') Level 78-Pt-198
 Cross Section -79.25 To 165.5 %



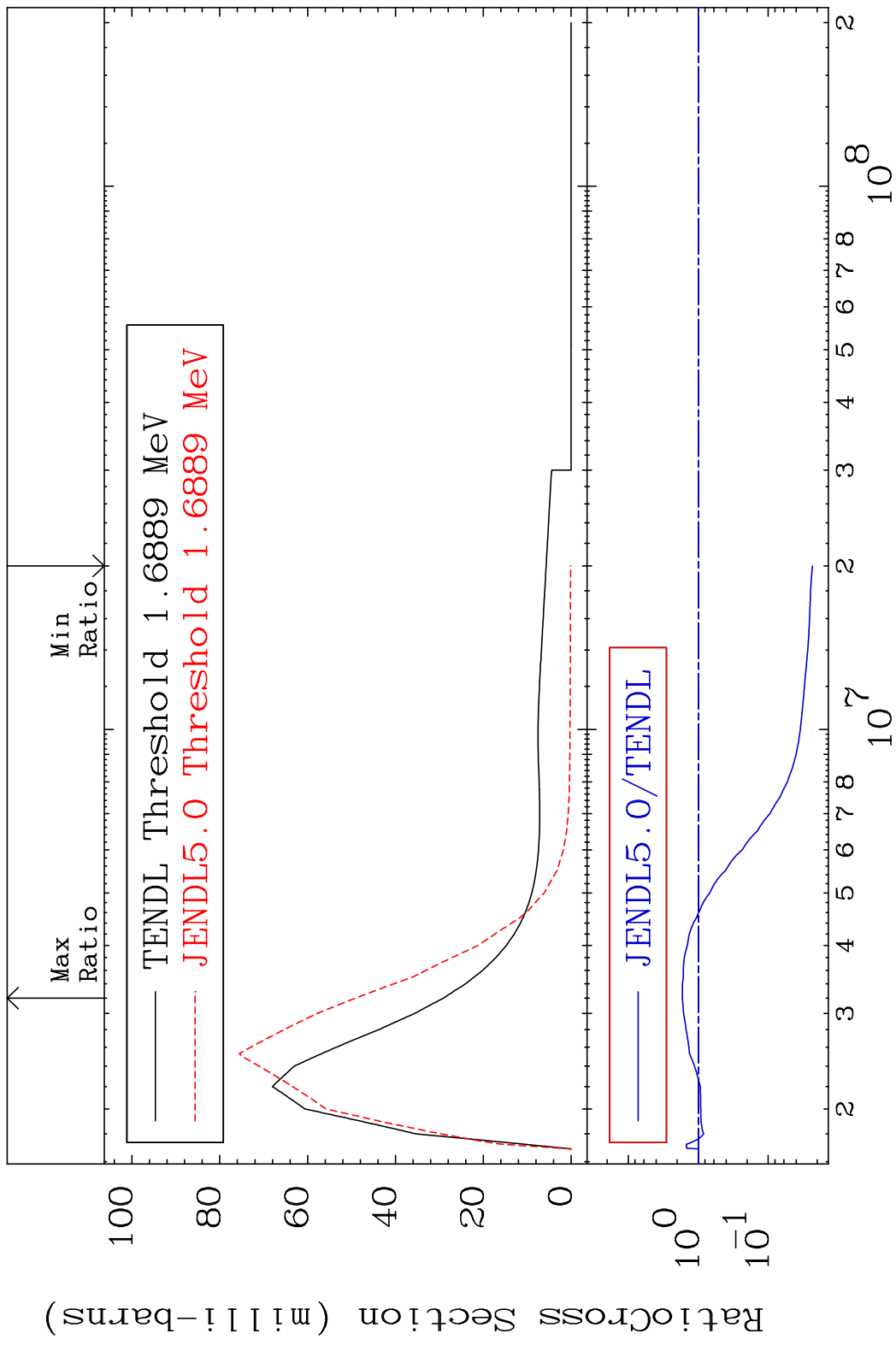
MAT 7849 MT= 66 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



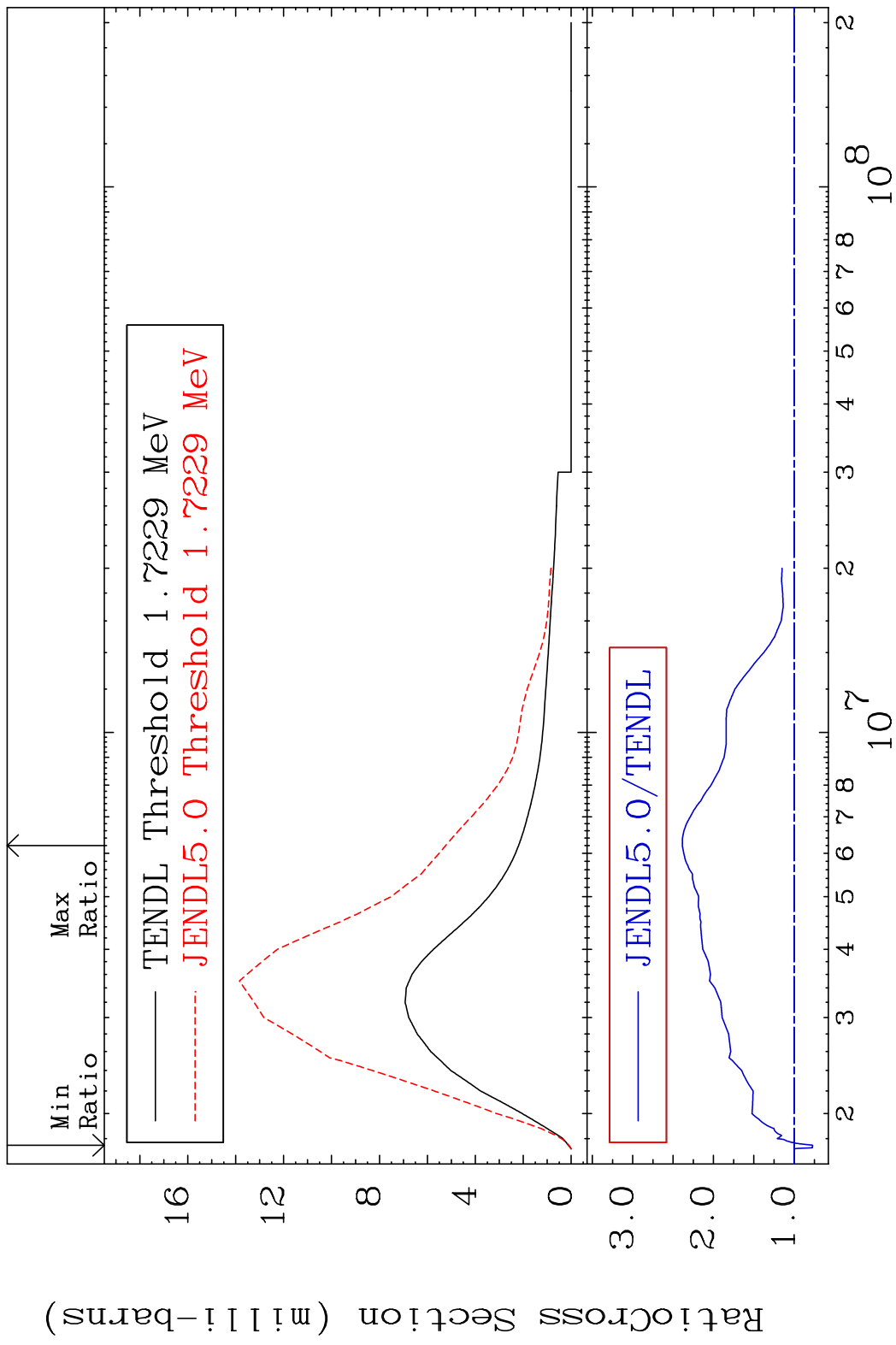
MAT 7849 MT= 67 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



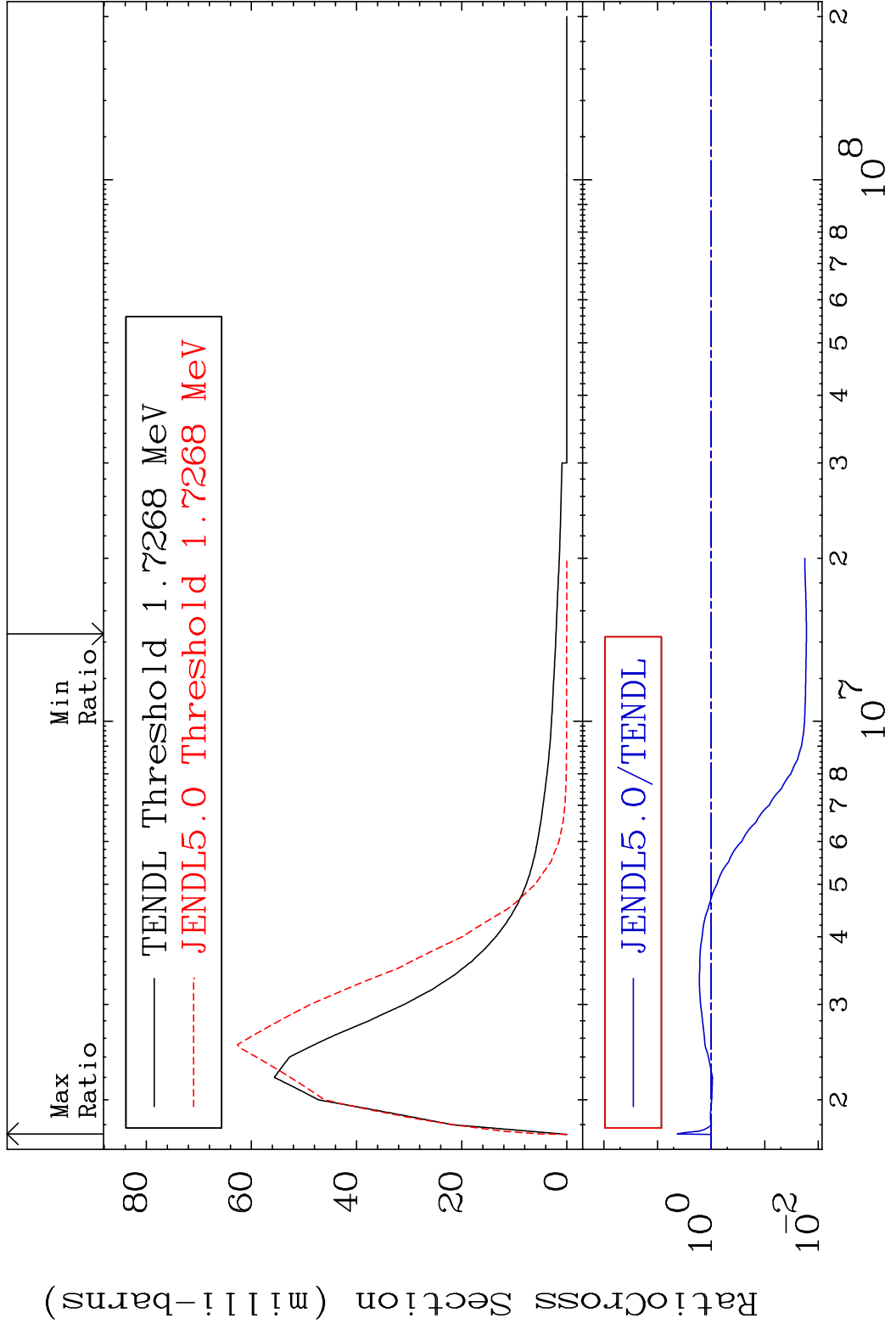
MAT 7849 MT= 68 (n, n') Level 78-Pt-198
 Cross Section -97.67 To 68.74 %



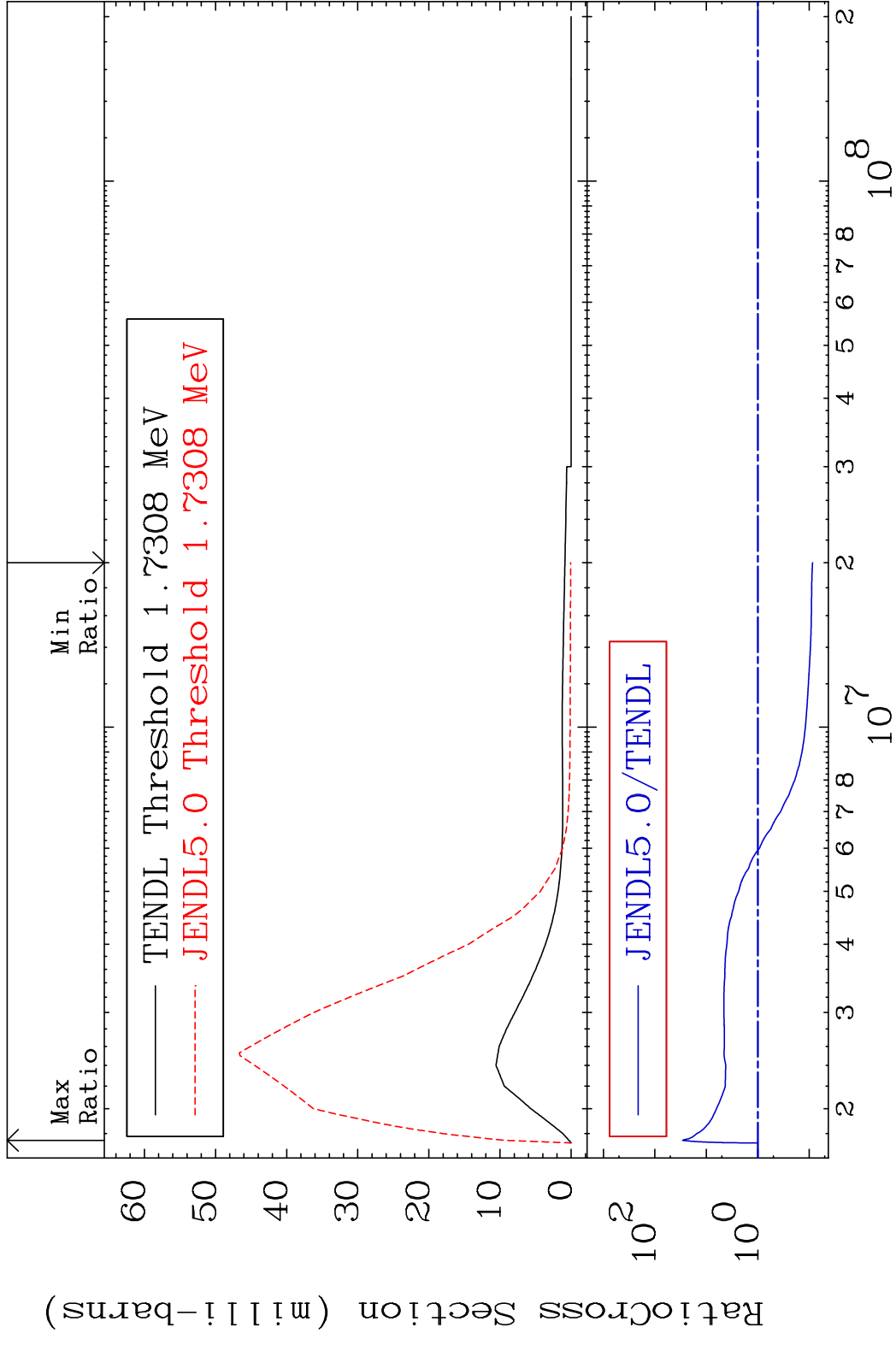
MAT 7849 MT= 69 (n, n') Level 78-Pt-198
 Cross Section -22.74 To 138.6 %



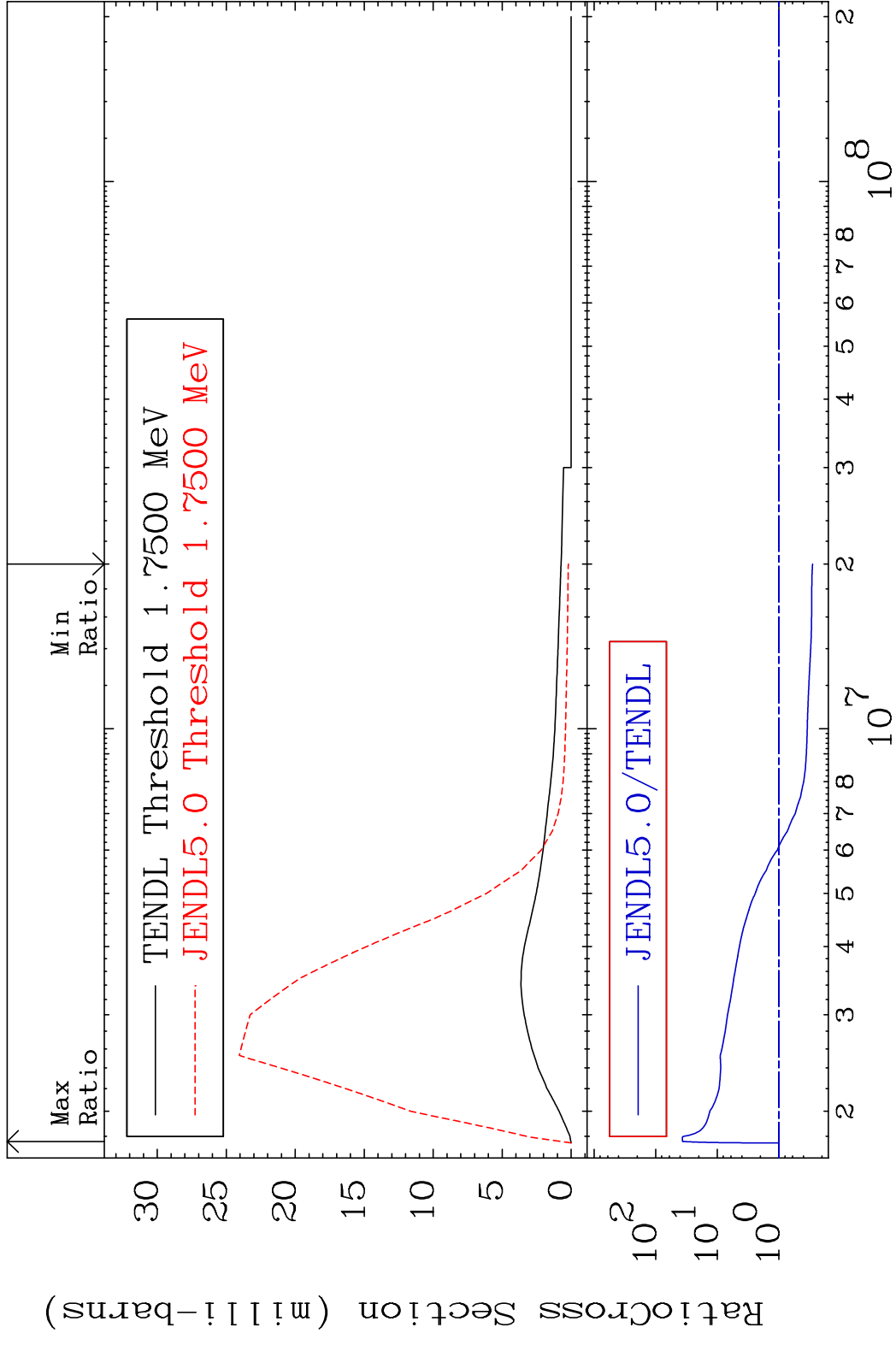
MAT 7849 MT= 70 (n, n') Level 78-Pt-198
 Cross Section -98.33 To 330.0 %



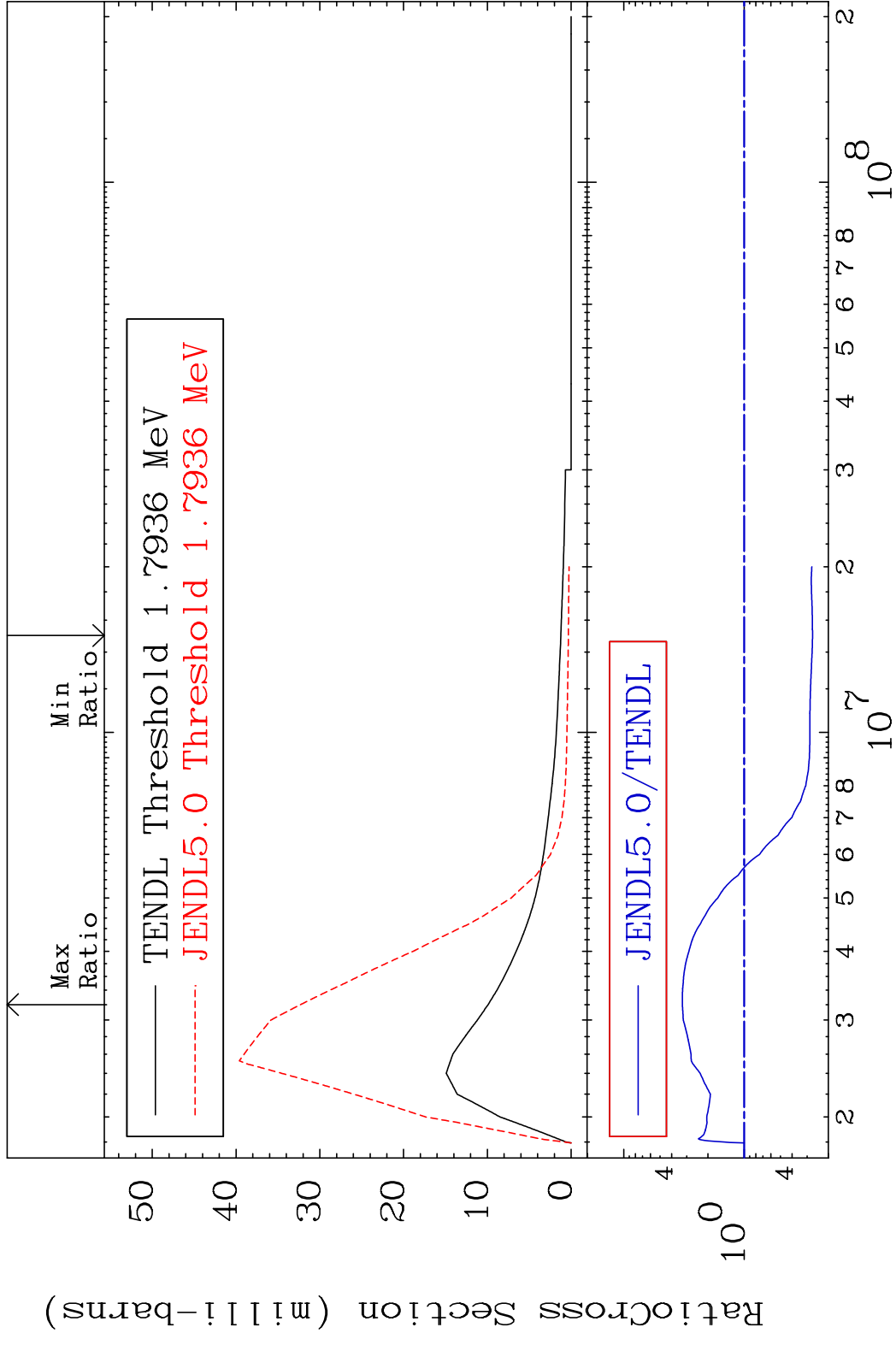
MAT 7849 MT= 71 (n,n') Level 78-Pt-198
 Cross Section -91.38 To 2823. %



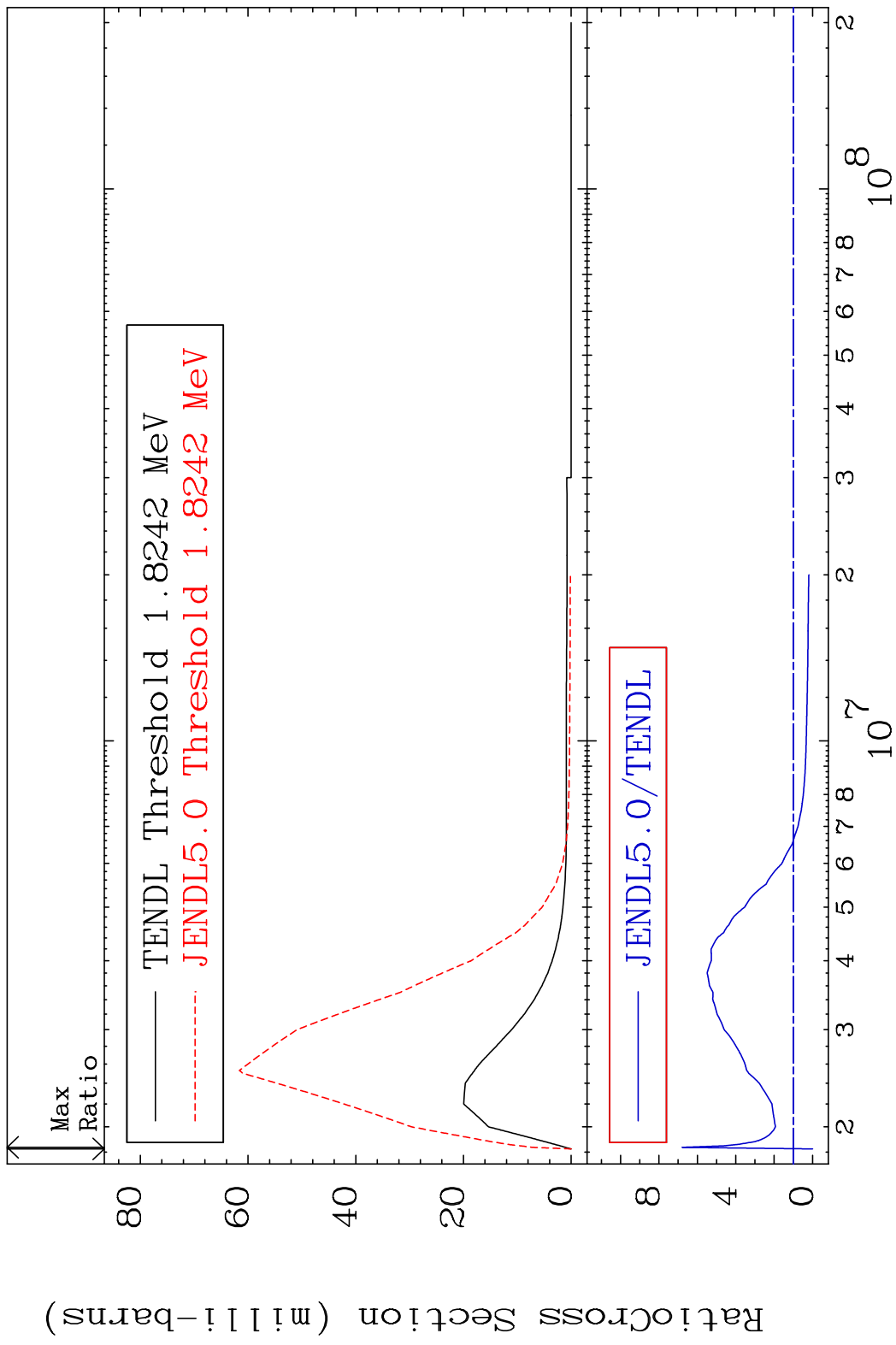
MAT 7849 MT= 72 (n, n') Level 78-Pt-198
 Cross Section -71.50 To 3593. %



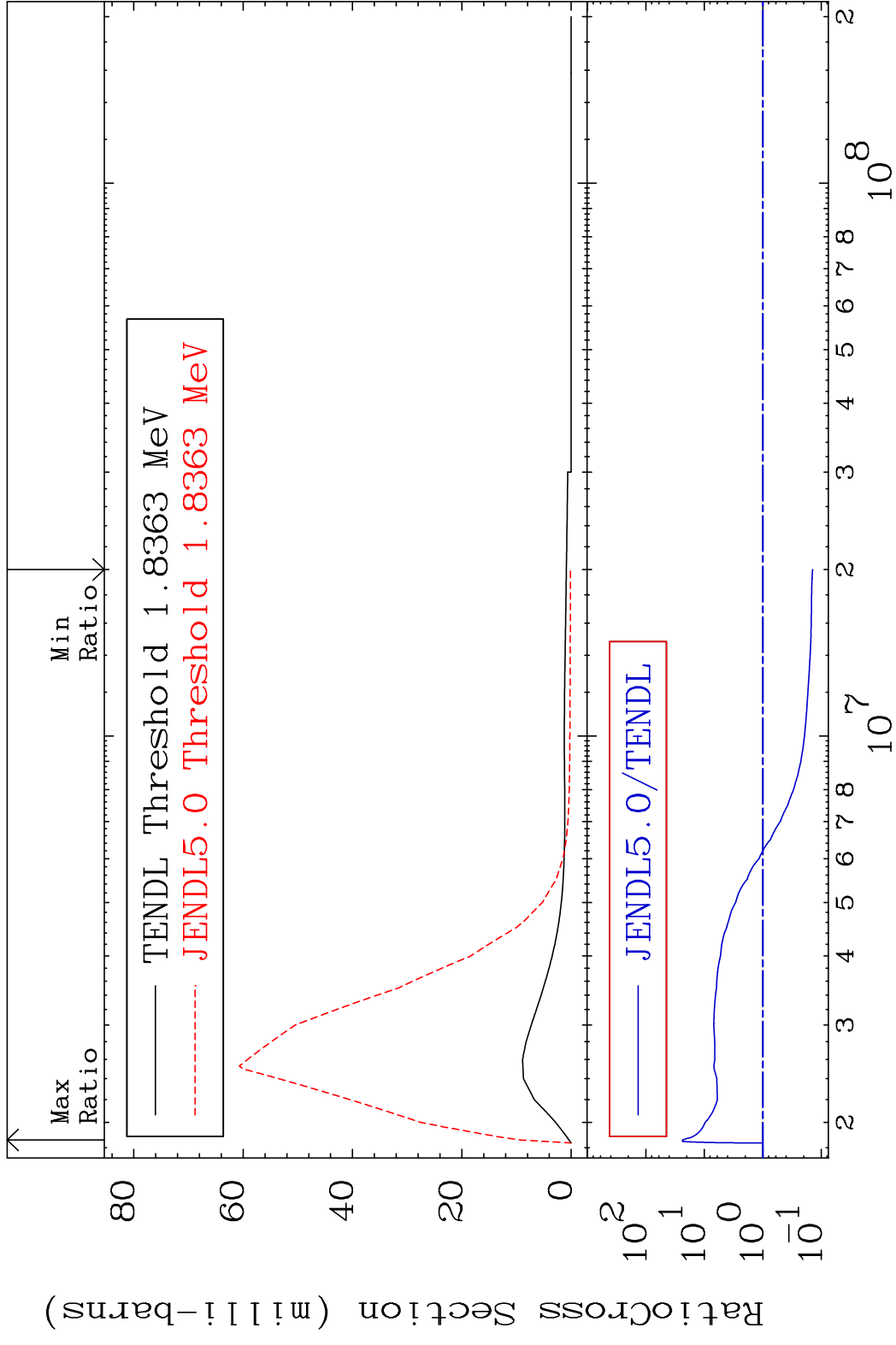
MAT 7849 MT= 73 (n, n') Level 78-Pt-198
 Cross Section -72.95 To 226.0 %



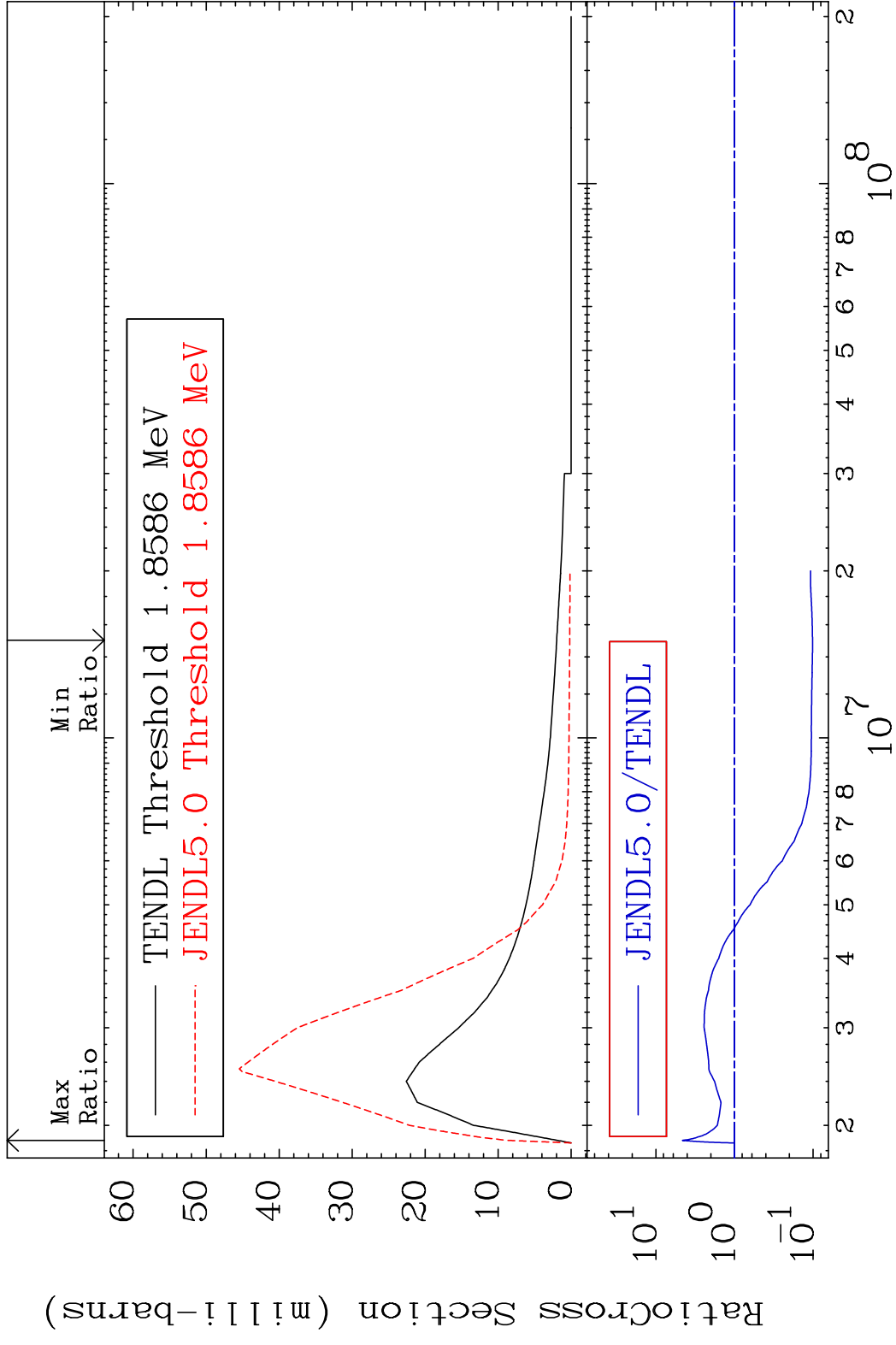
MAT 7849 MT= 74 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 578.2 %



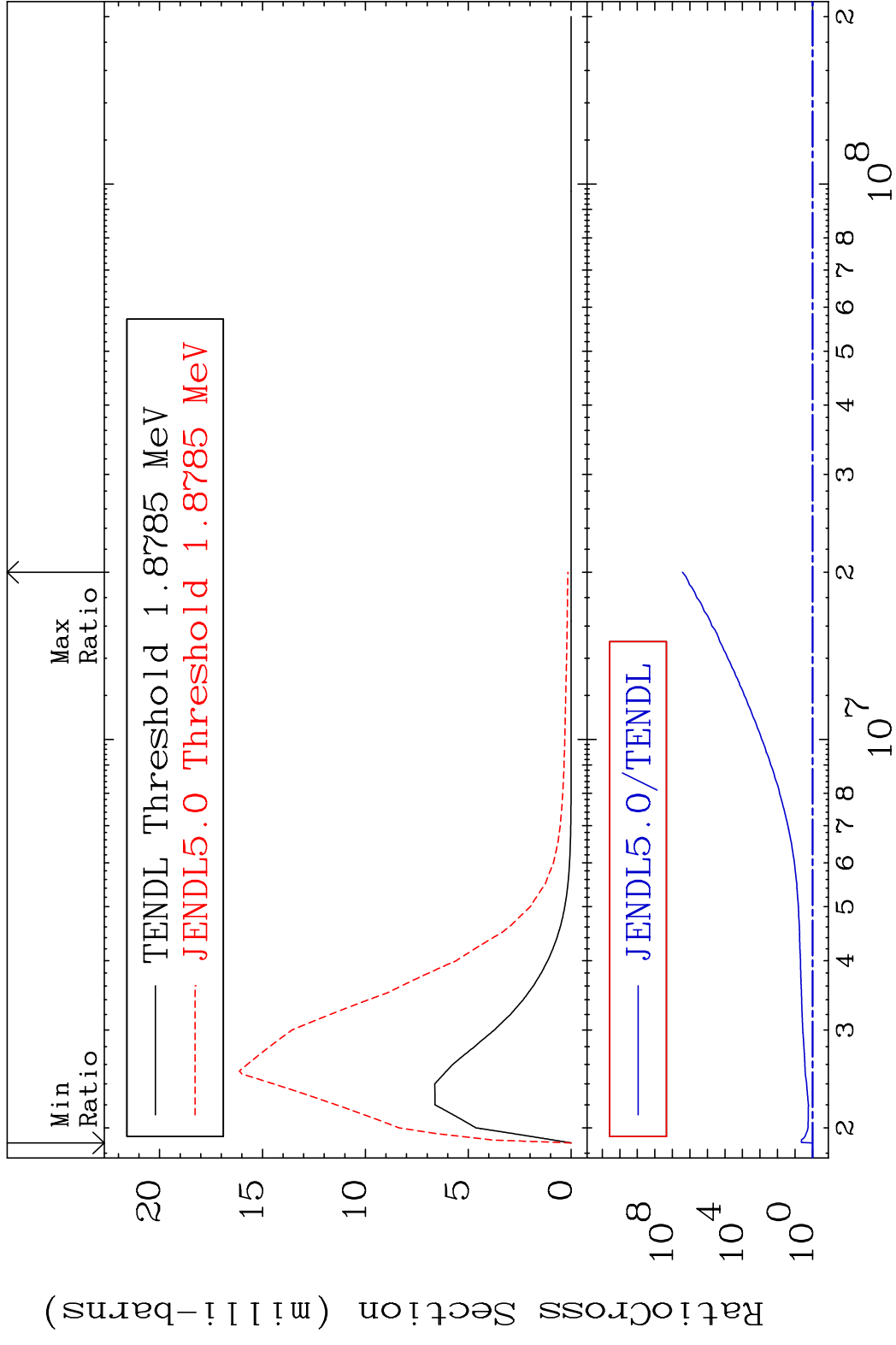
MAT 7849 MT= 75 (n,n') Level 78-Pt-198
 Cross Section -85.91 To 2280. %



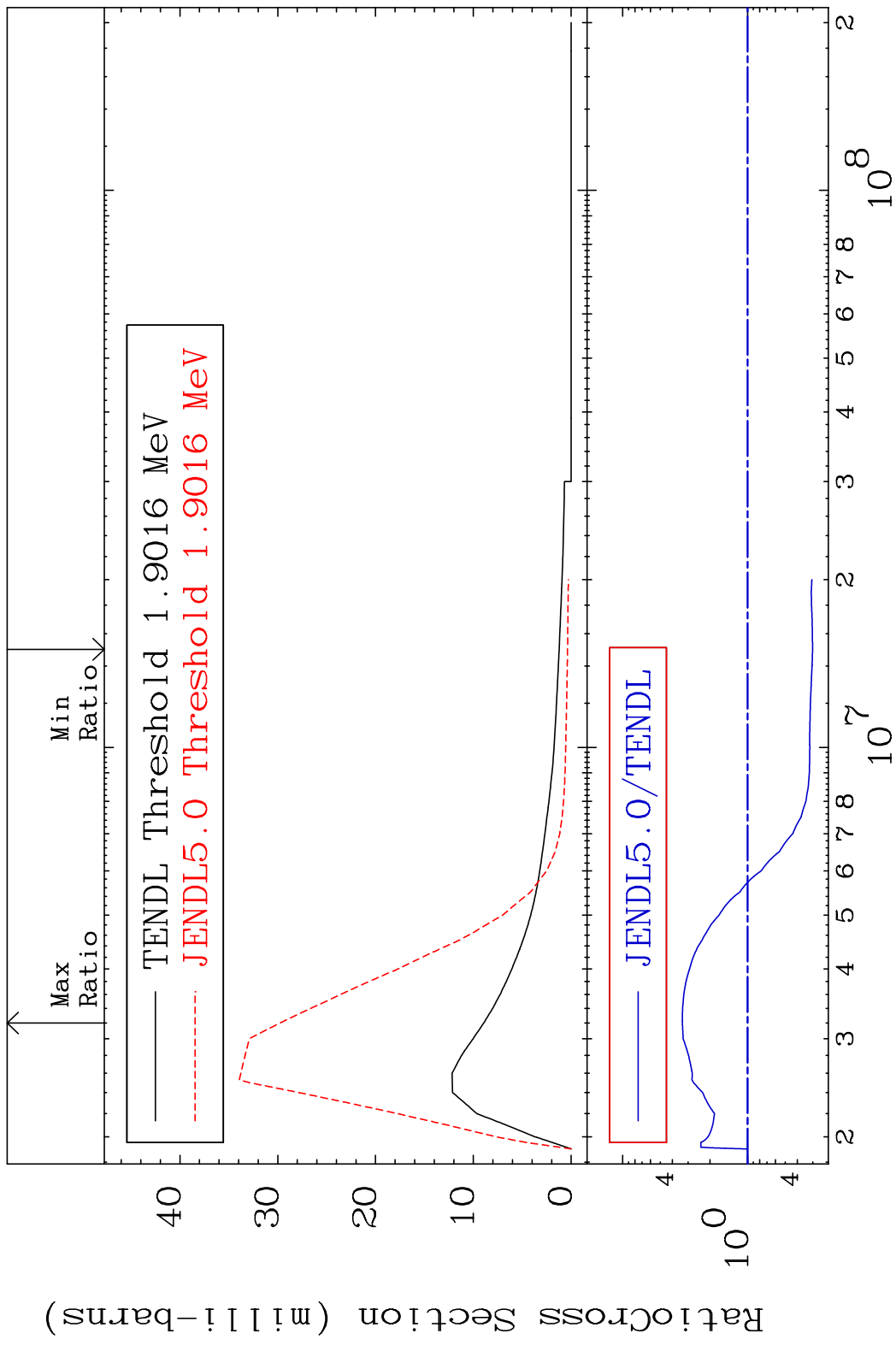
MAT 7849 MT= 76 (n,n') Level 78-Pt-198
 Cross Section -89.83 To 360.3 %



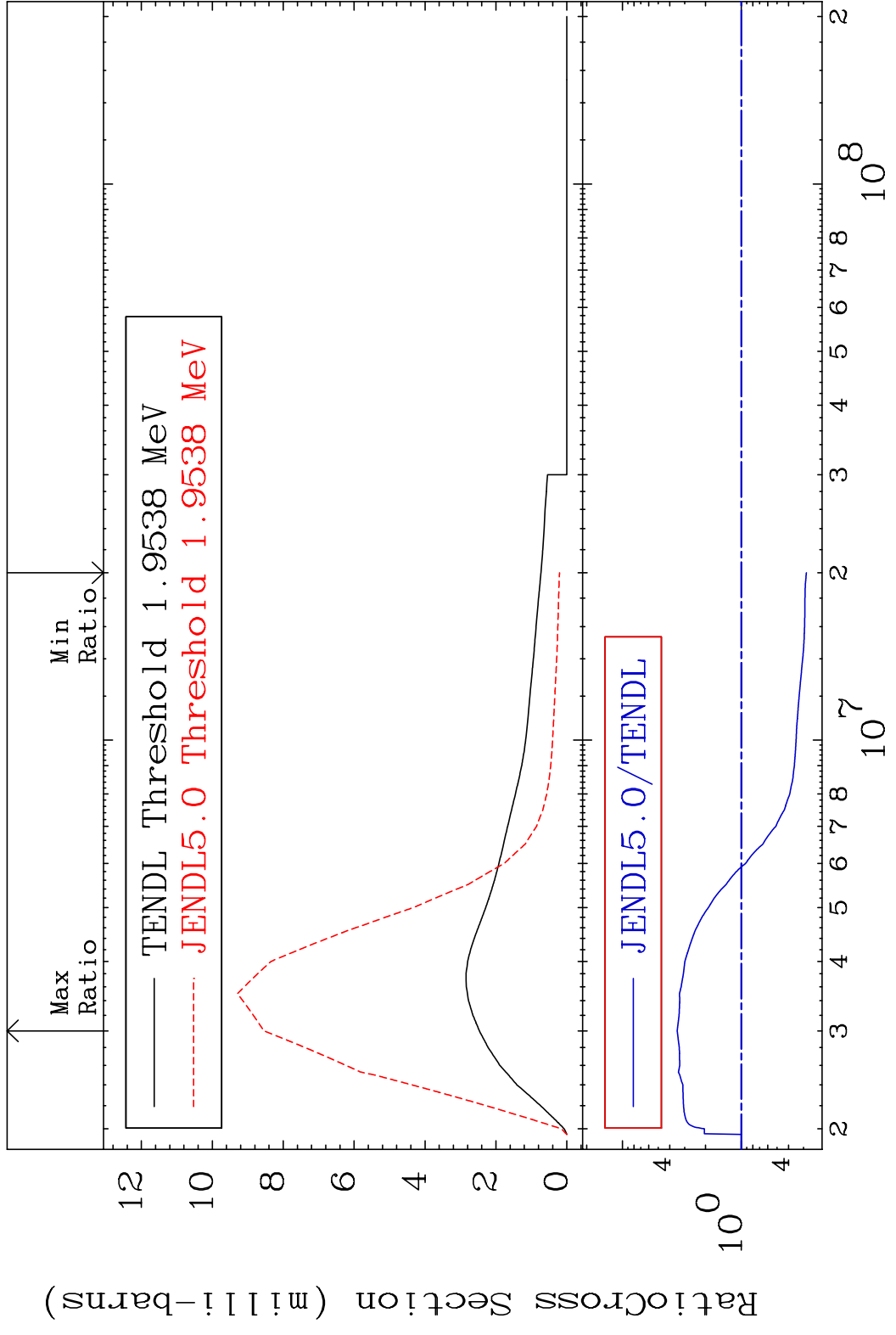
MAT 7849 MT= 77 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



MAT 7849 MT= 78 (n, n') Level 78-Pt-198
 Cross Section -69.80 To 233.2 %



MAT 7849 MT= 79 (n, n') Level 78-Pt-198
 Cross Section -71.68 To 246.2 %

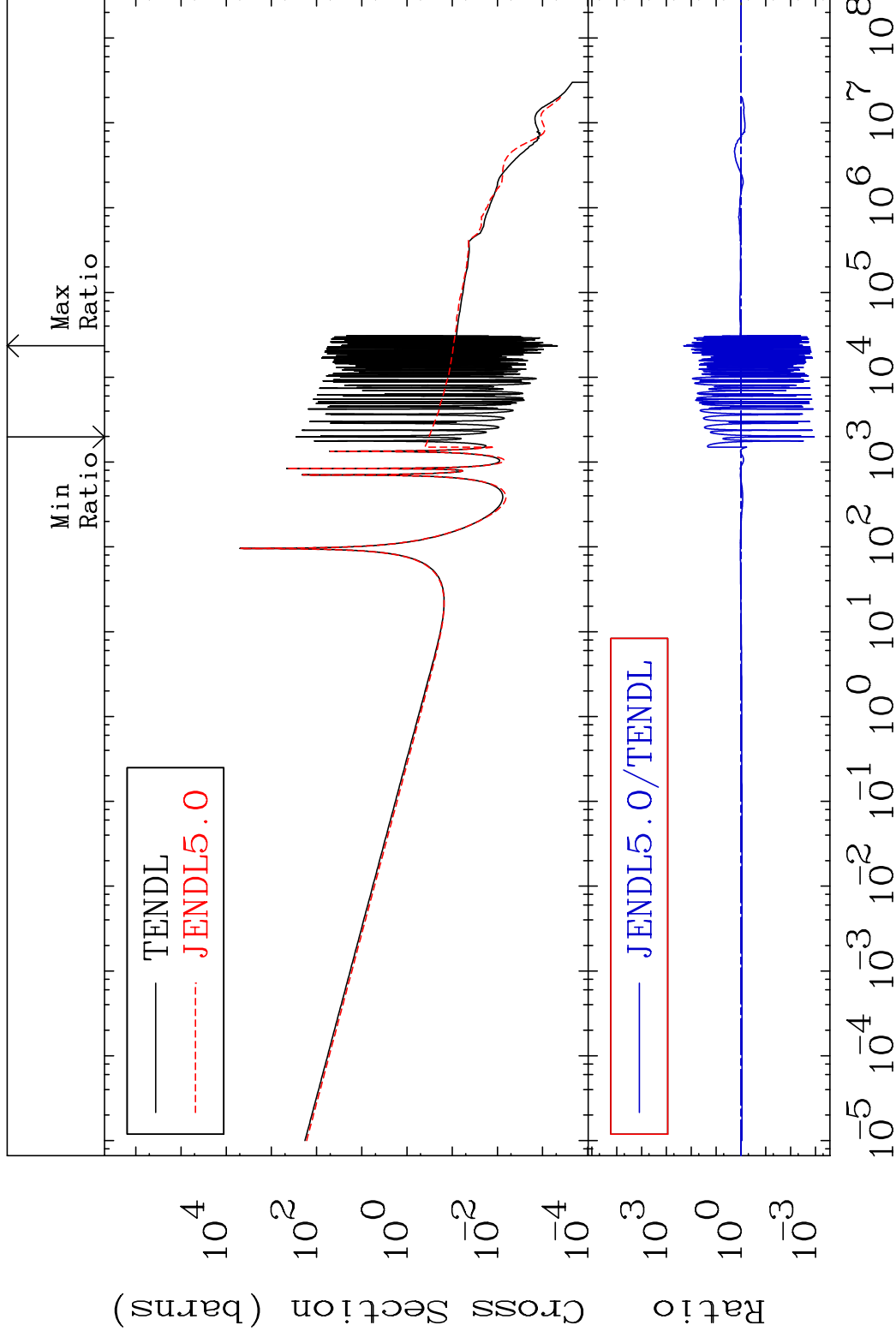


MAT 7849

(n, γ)

78-Pt-198

Cross Section -99.89 To 9999. %



40

Incident Energy (eV)

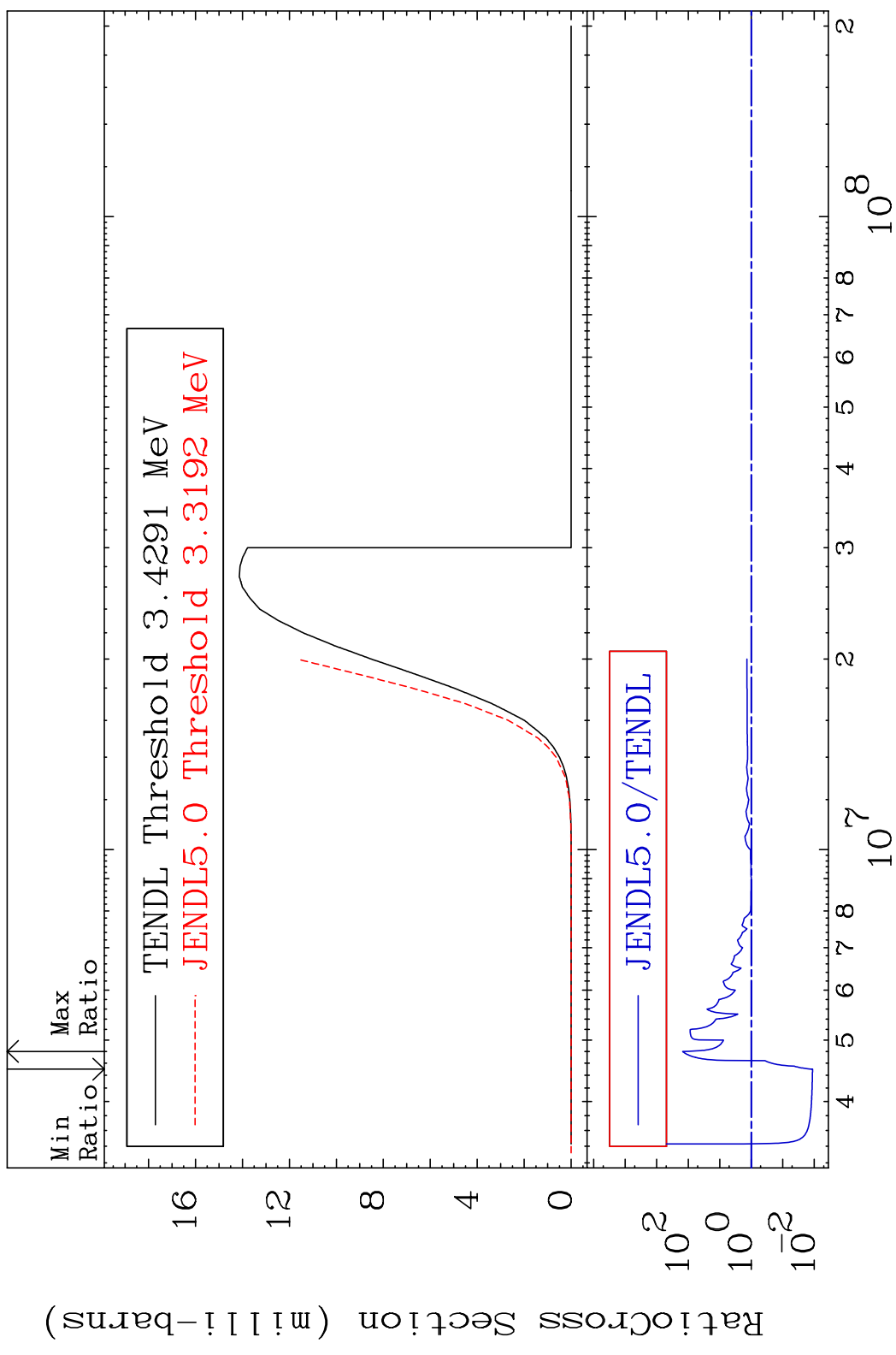
78-Pt-198

MAT 7849

(n,p)

78-Pt-198

Cross Section -98.87 To 9999. %

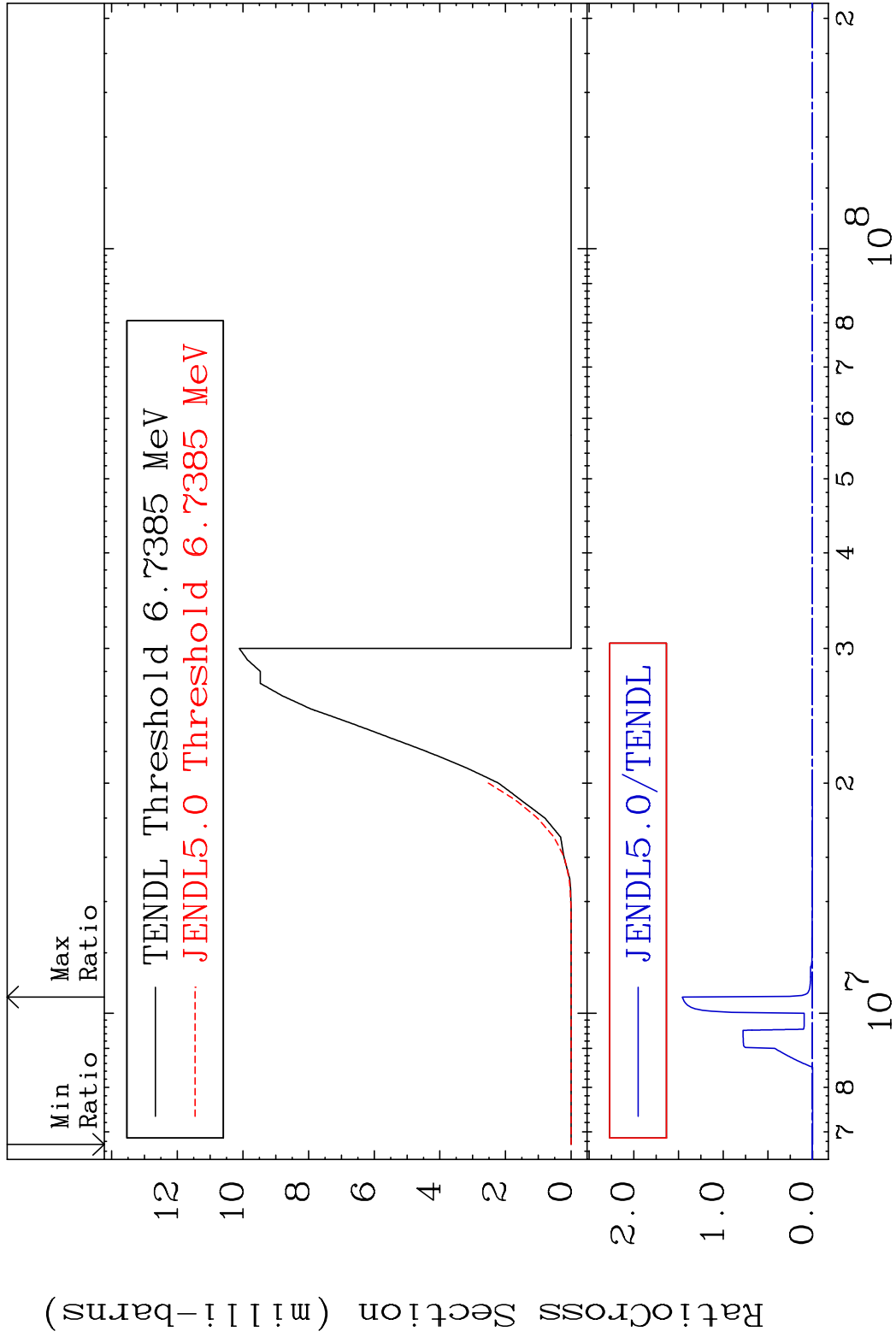


MAT 7849

(n,d)

78-Pt-198

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

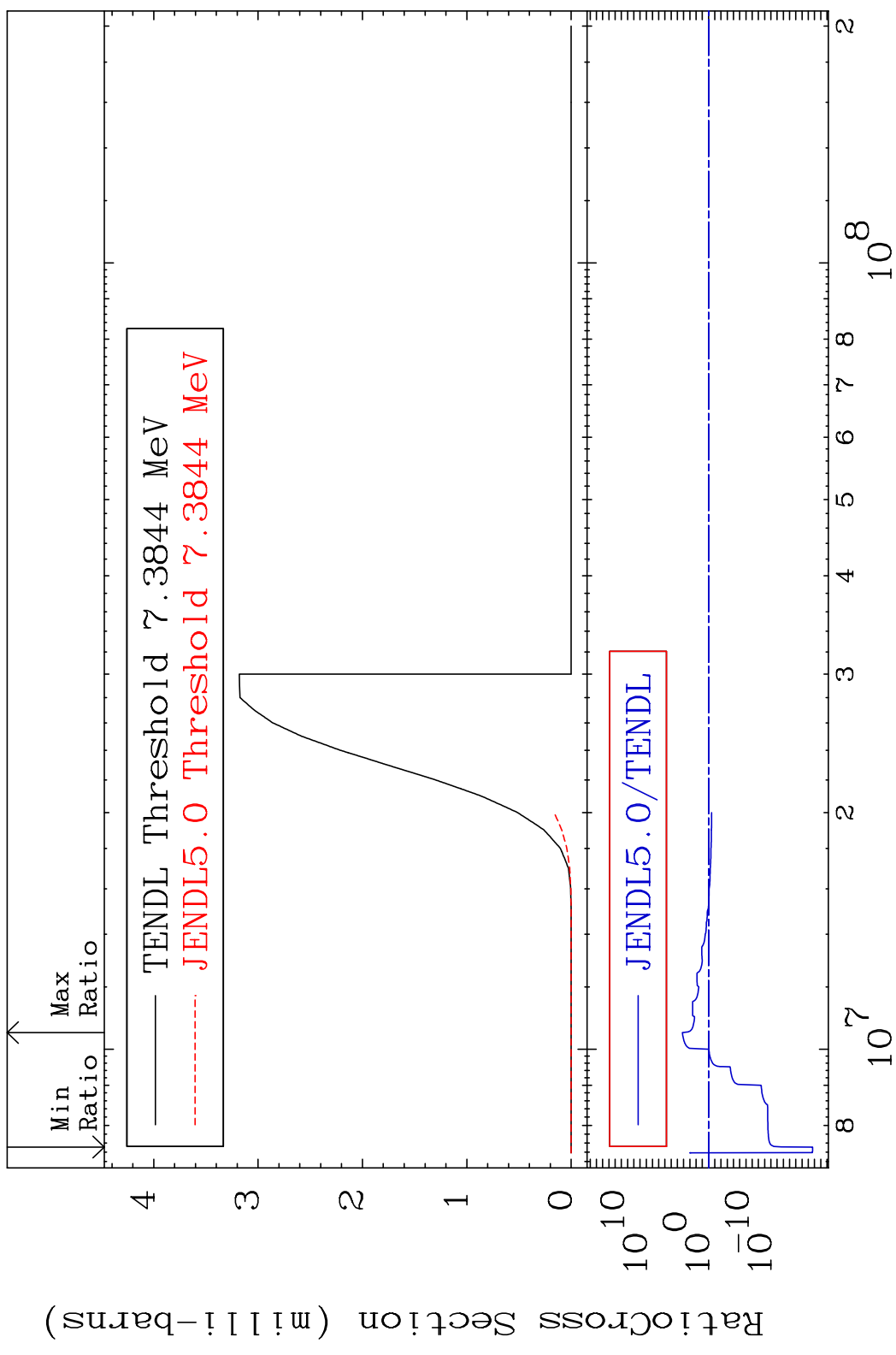
78-Pt-198

MAT 7849

(n, t)

78-Pt-198

Cross Section -100.0 To 9999. %

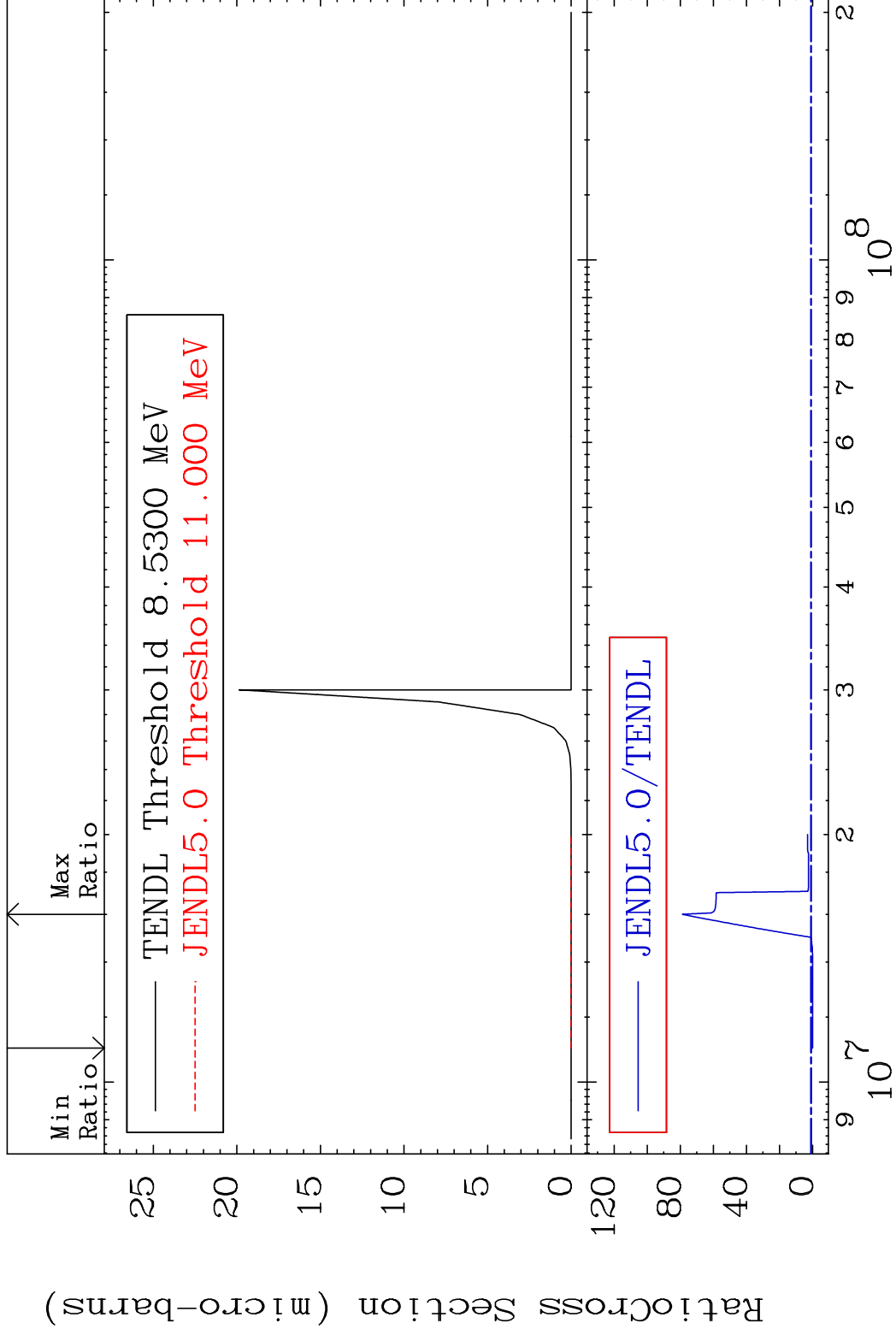


MAT 7849

(n, He-3)

78-Pt-198

Cross Section -100.0 To 7773. %



44

Incident Energy (eV)

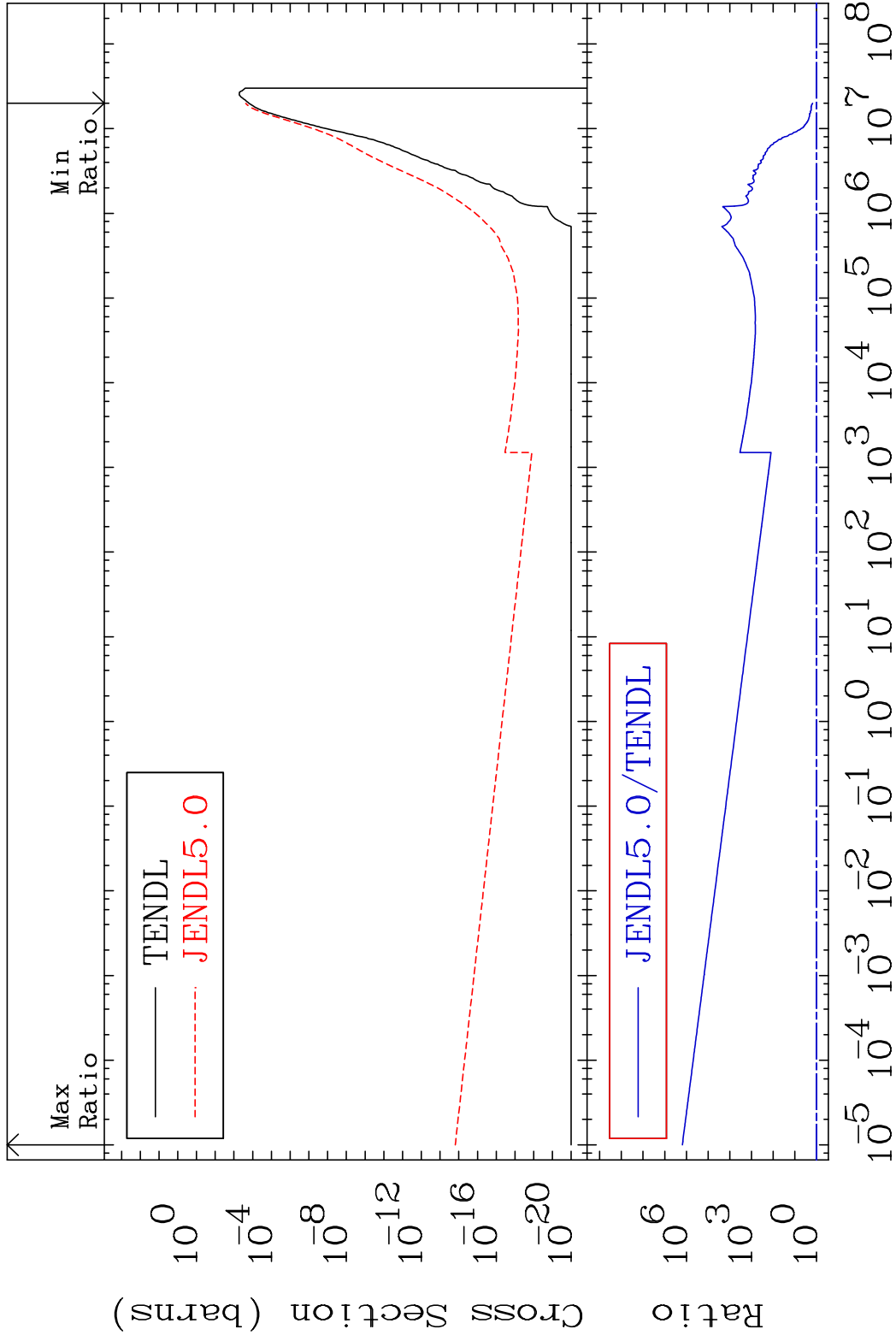
78-Pt-198

MAT 7849

(n, α)

78-Pt-198

Cross Section 52.78 To 9999. %

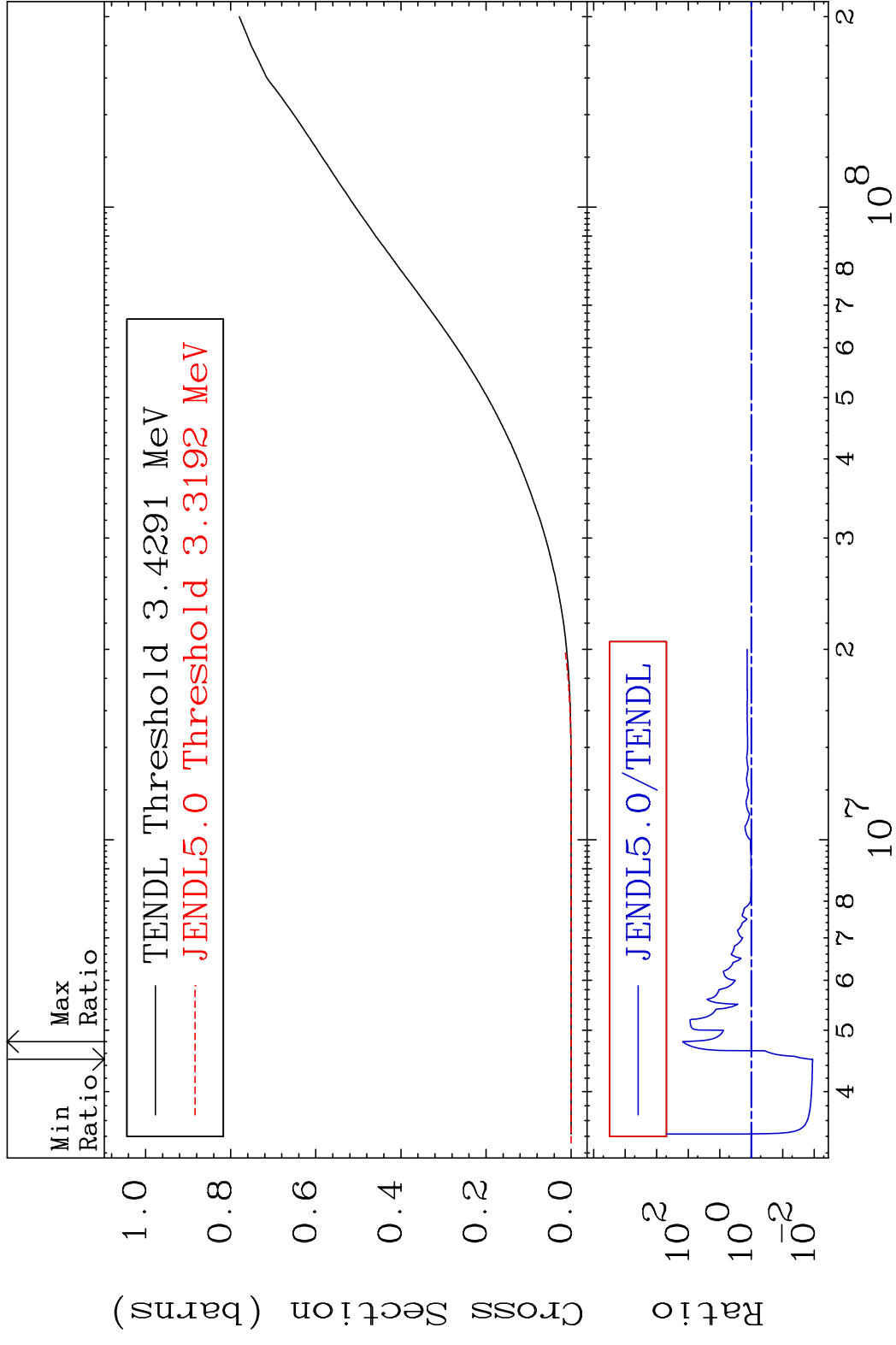


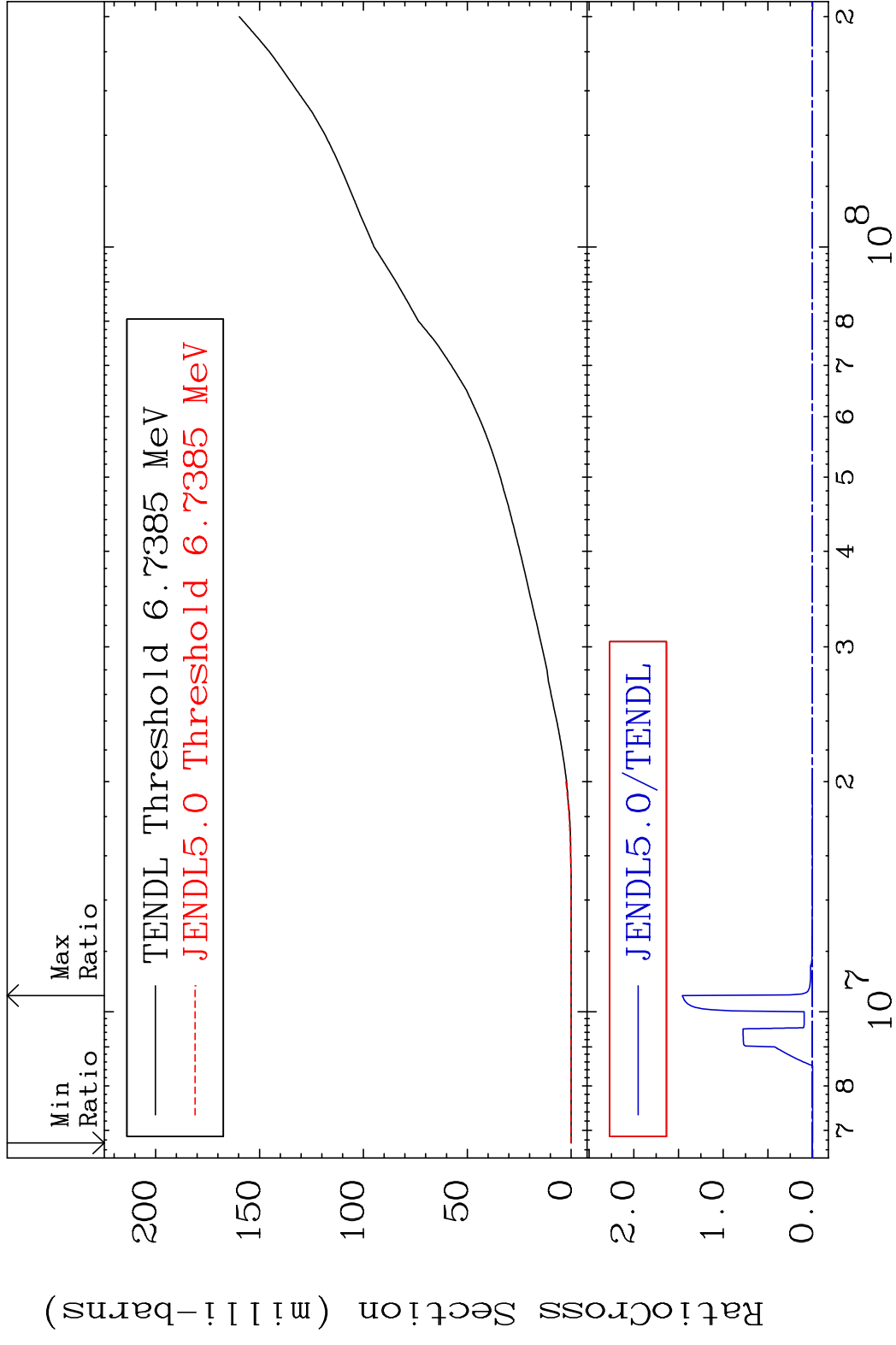
45

Incident Energy (eV)

78-Pt-198

Cross Section -98.87 To 9999. %



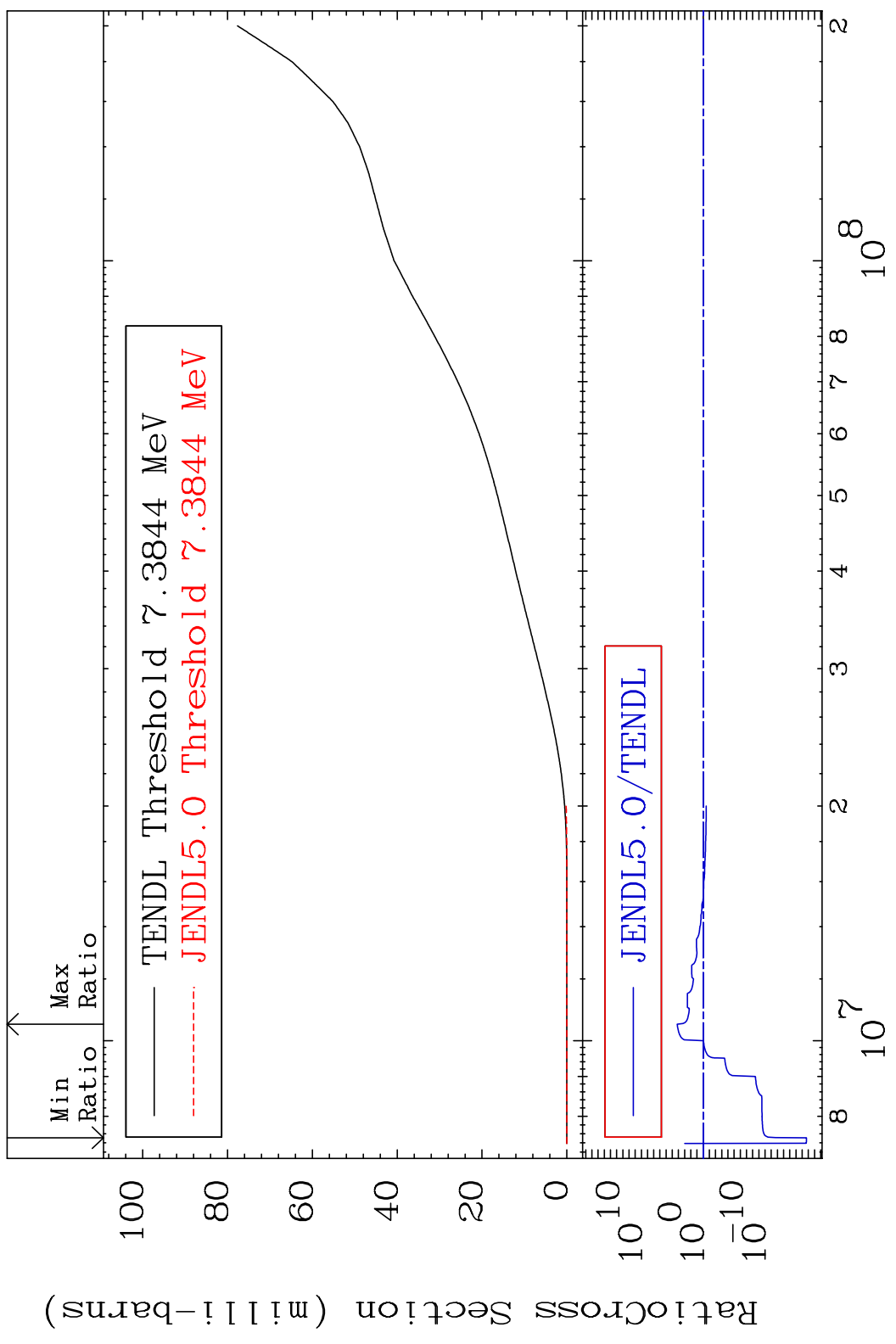


MAT 7849

Tritium Production

78-Pt-198

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

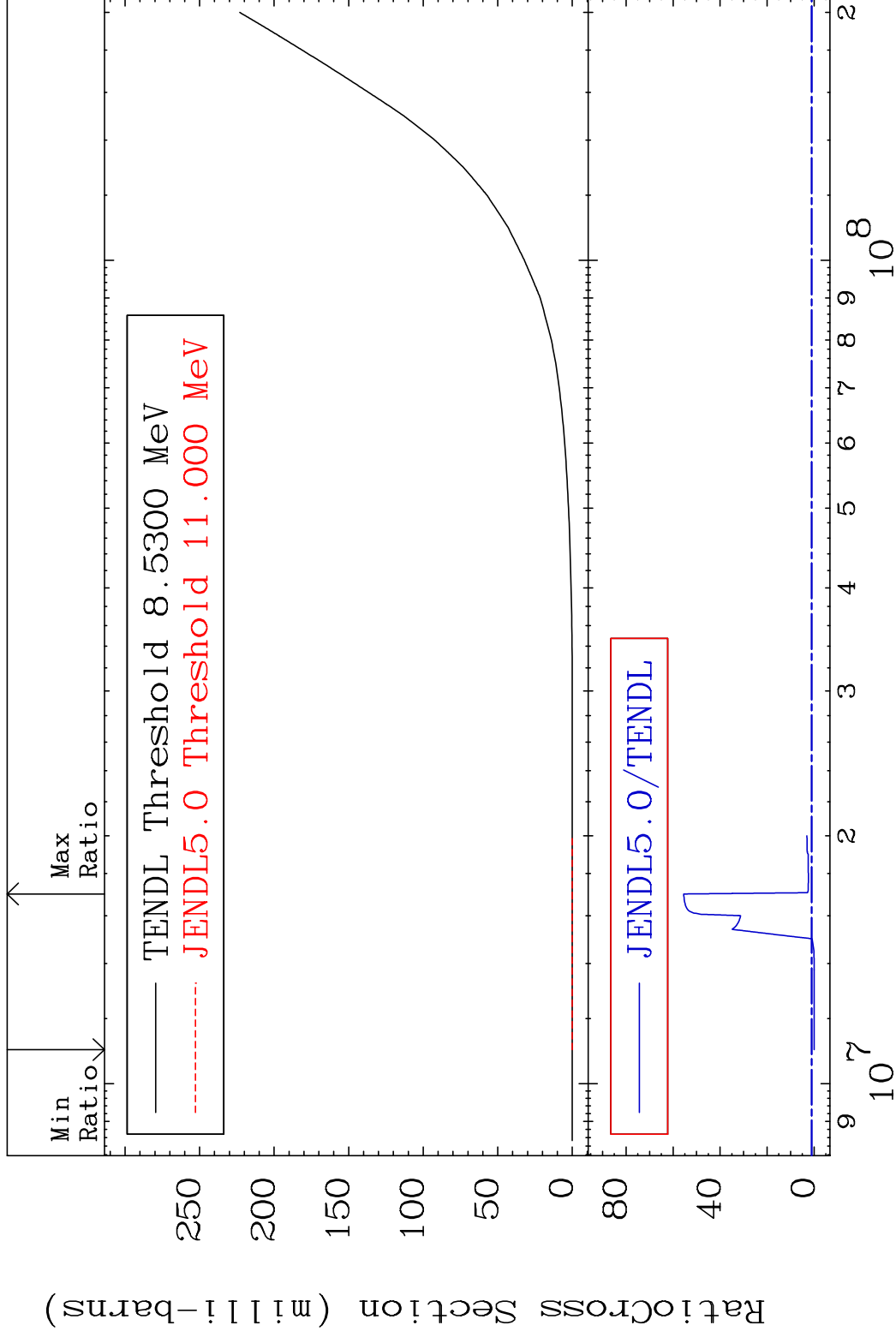
78-Pt-198

MAT 7849

He-3 Production

78-Pt-198

Cross Section -100.0 To 5450. %



49

Incident Energy (eV)

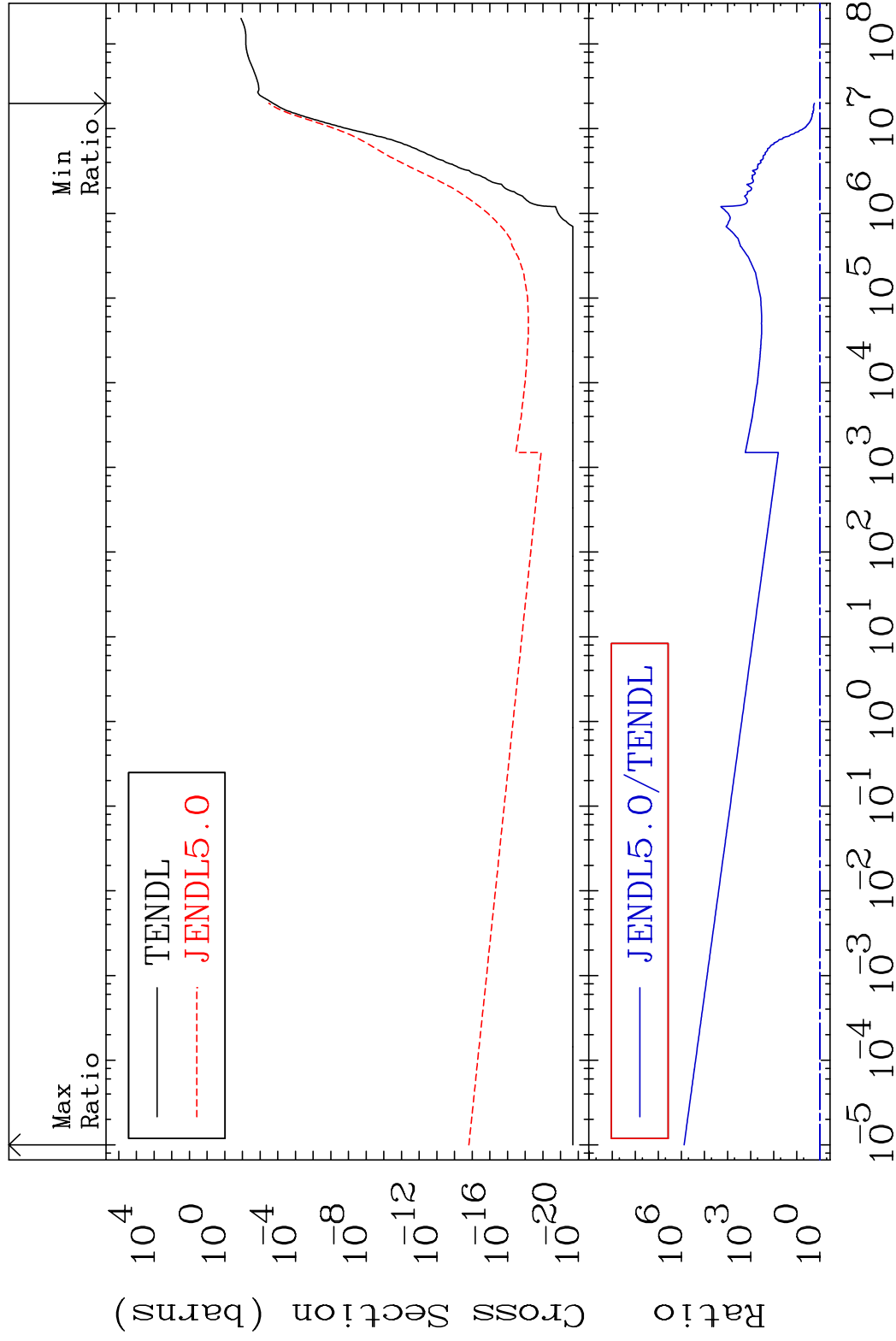
78-Pt-198

MAT 7849

He-4 Production

78-Pt-198

Cross Section 73.01 To 9999. %

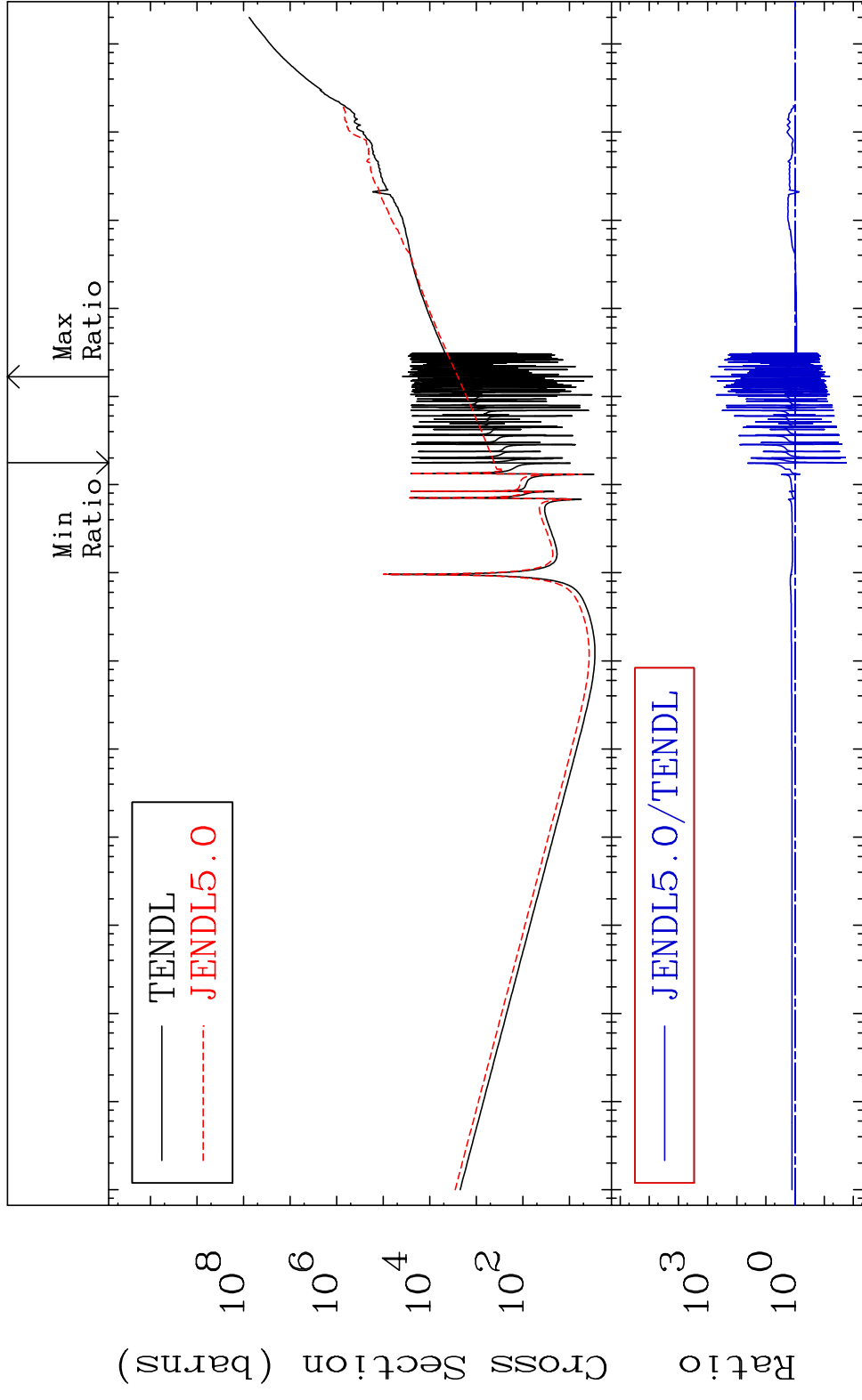


50

Incident Energy (eV)

78-Pt-198

MAT 7849 Kerma total (eV-barns) 78-Pt-198
 Cross Section -98.26 To 9999. %

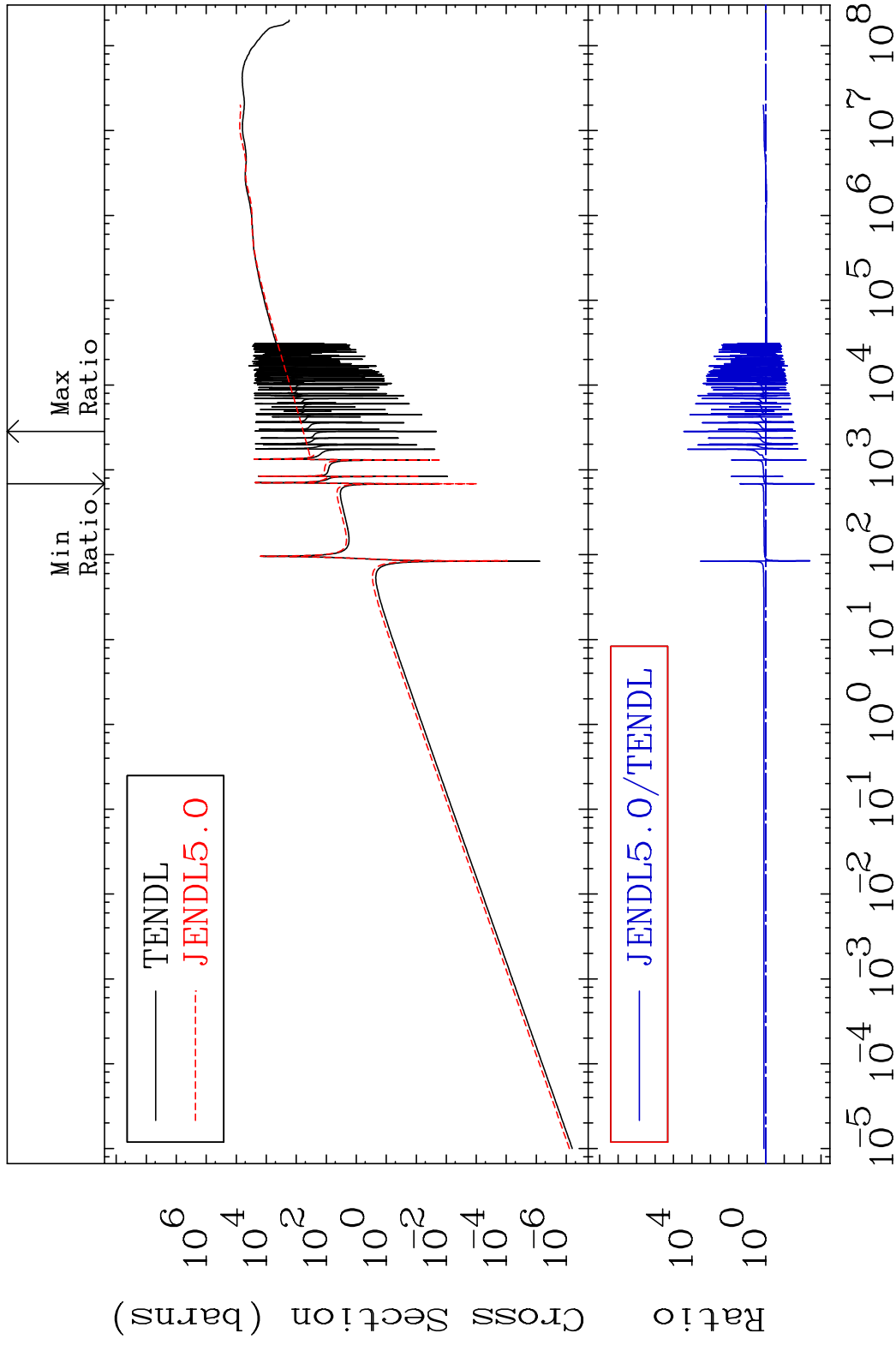


MAT 7849

Kerma elastic

78-Pt-198

Cross Section -99.76 To 9999. %

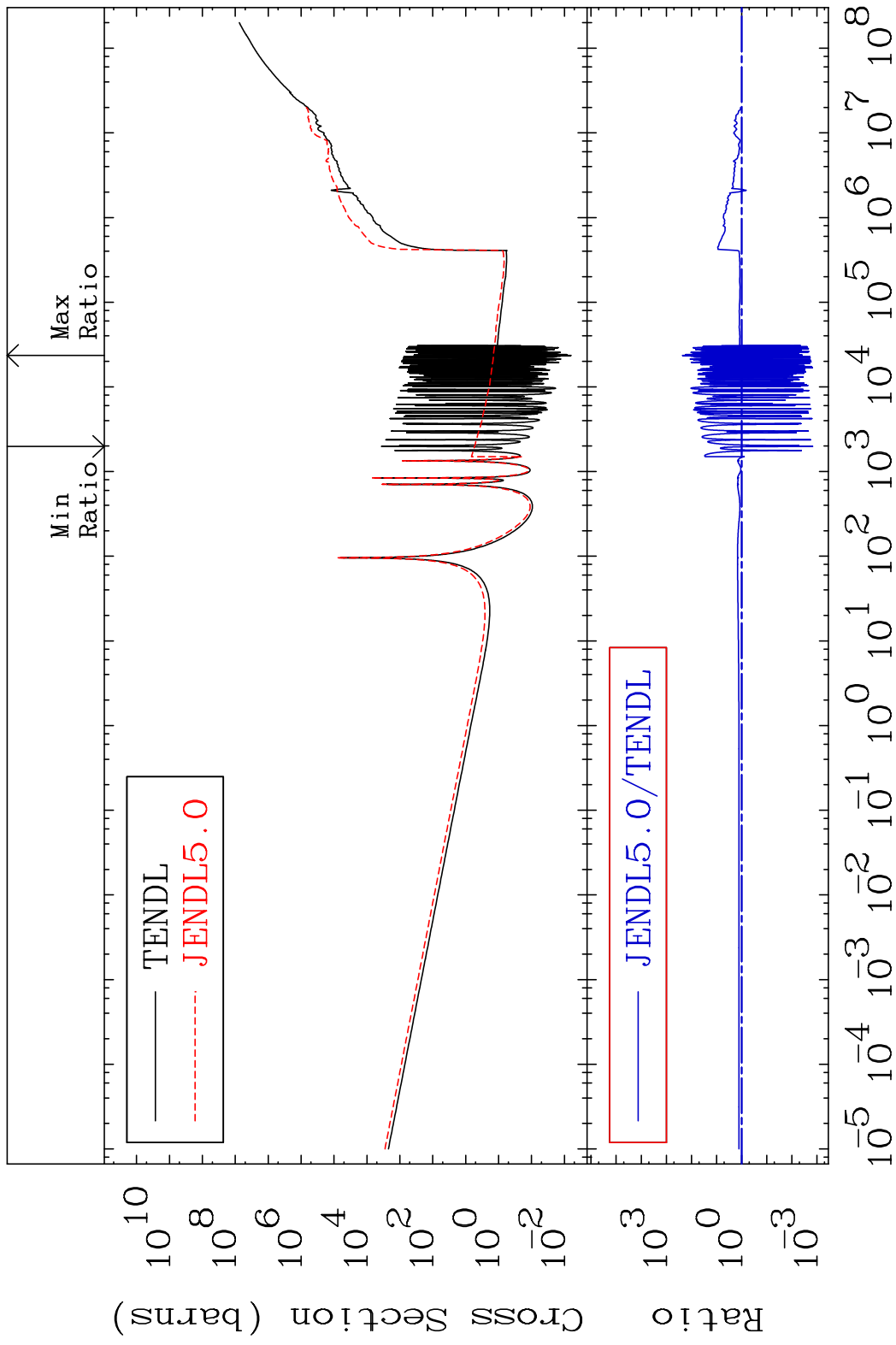


52

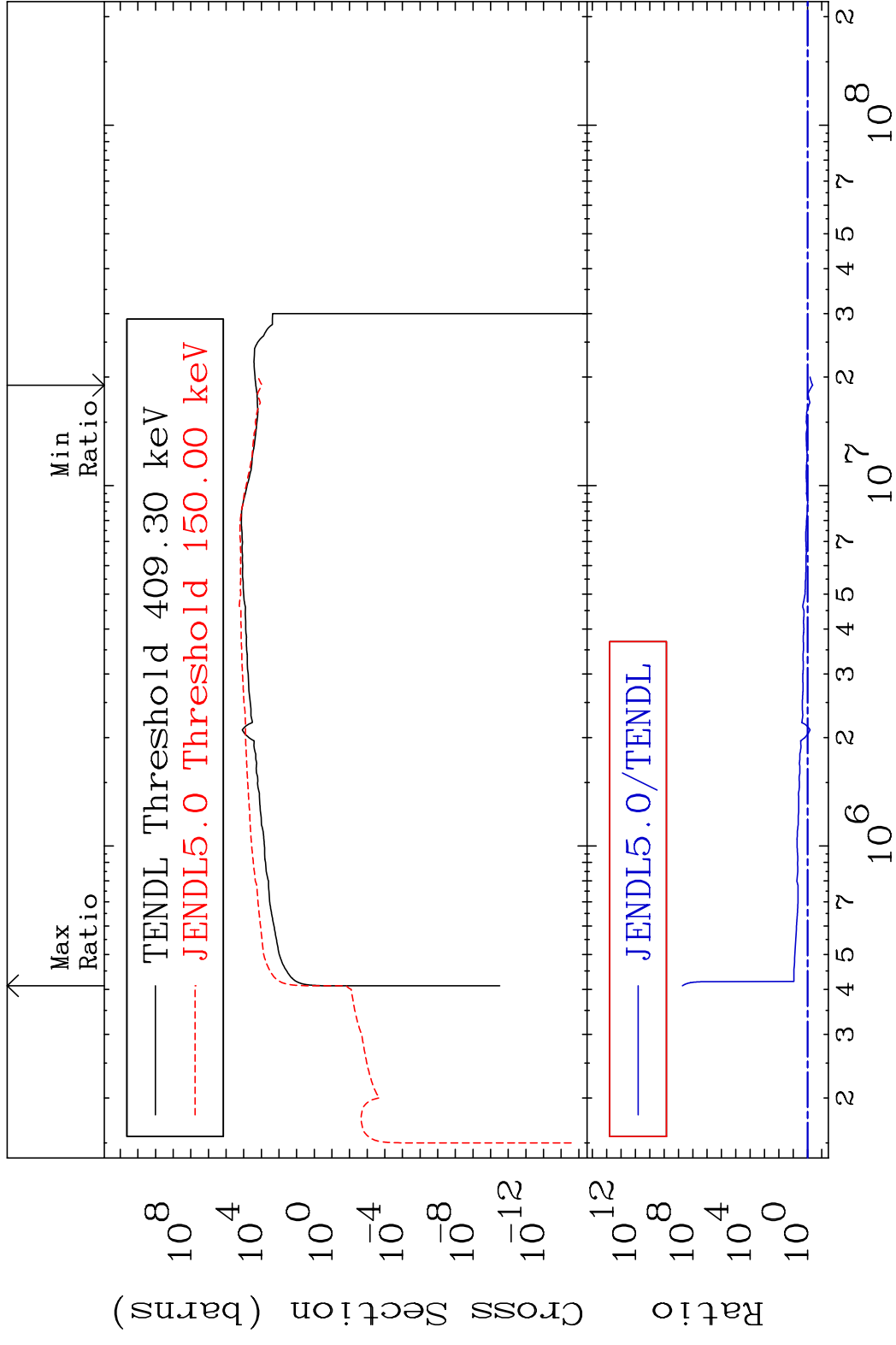
Incident Energy (eV)

78-Pt-198

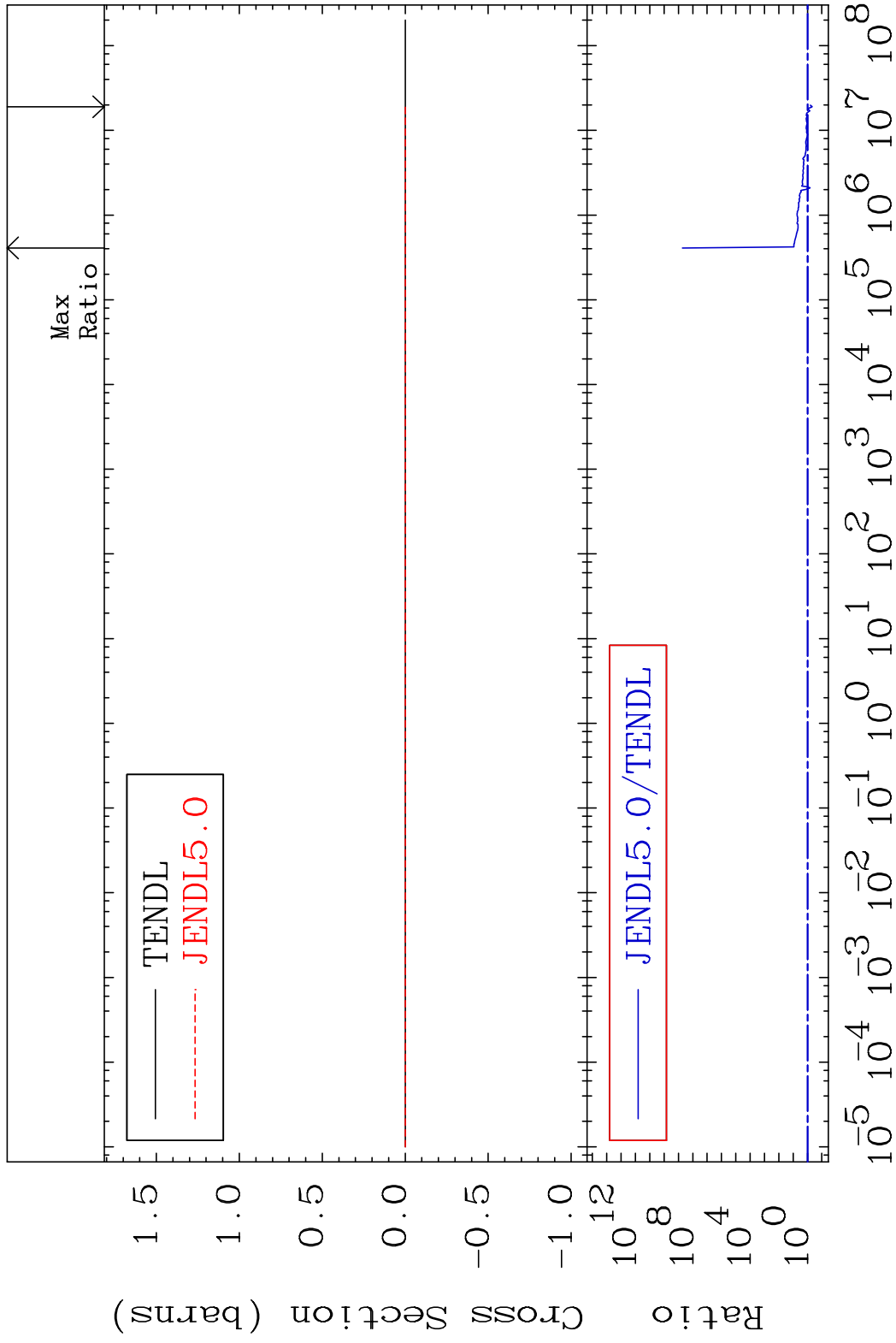
MAT 7849 Kerma non-elastic (all but mt2) 78-Pt-198
 Cross Section -99.85 To 9999. %

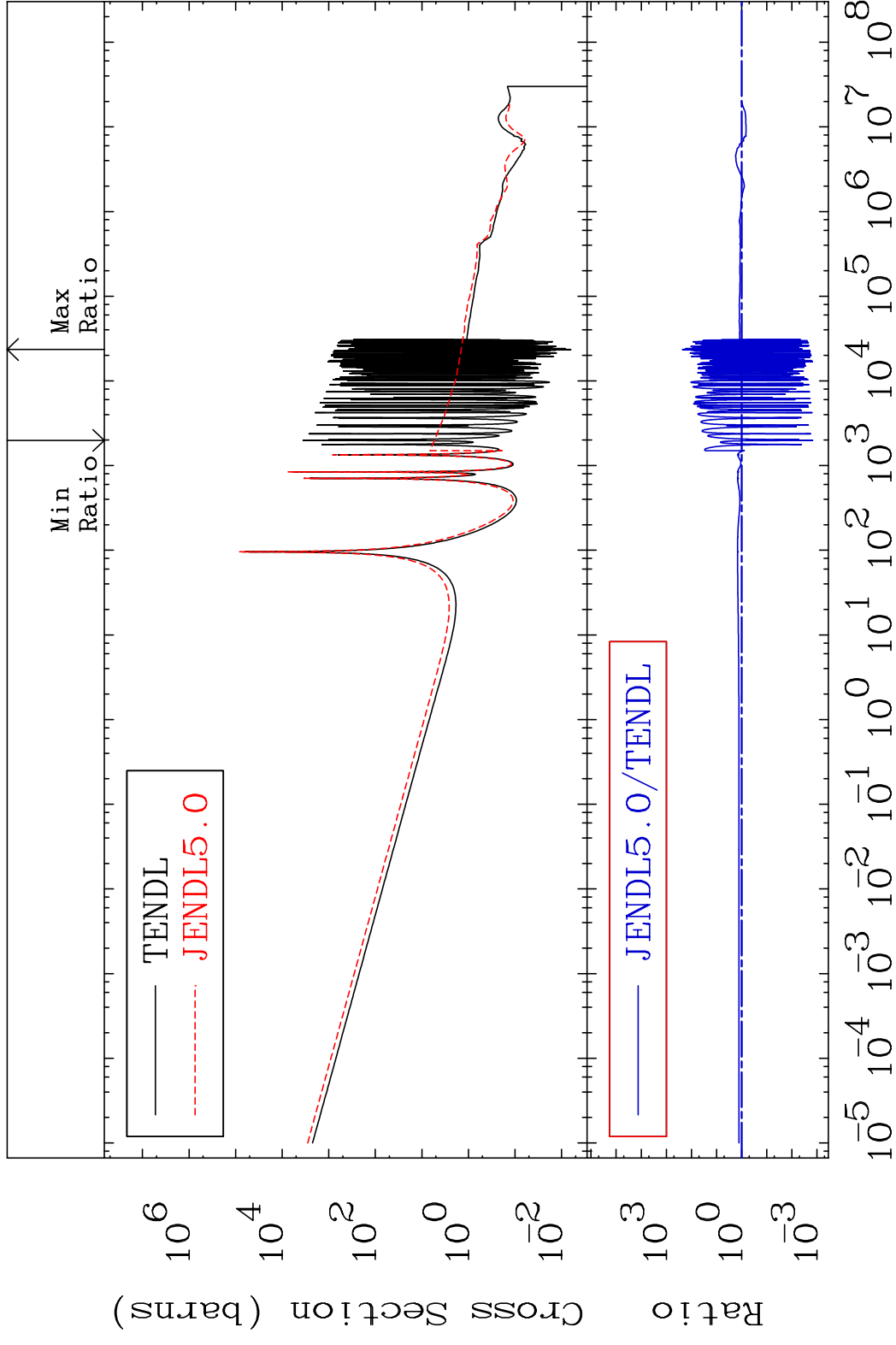


MAT 7849 Kerma inelastic (mt51-91) 78-Pt-198
 Cross Section -55.65 To 9999. %



MAT 7849 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-198
 Cross Section -55.65 To 9999. %



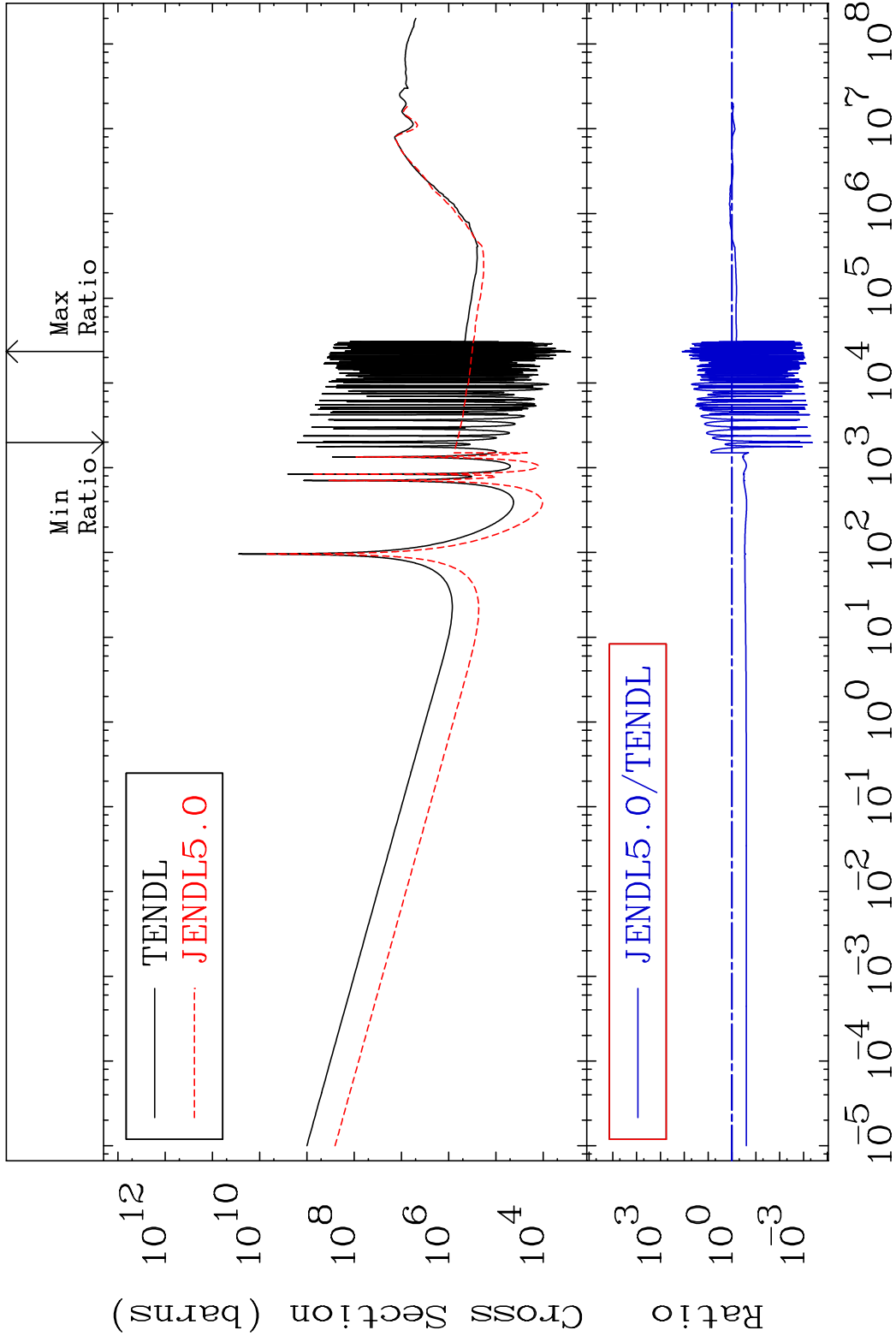


MAT 7849

Total photon (eV-barns)

78-Pt-198

Cross Section -99.96 To 9999. %

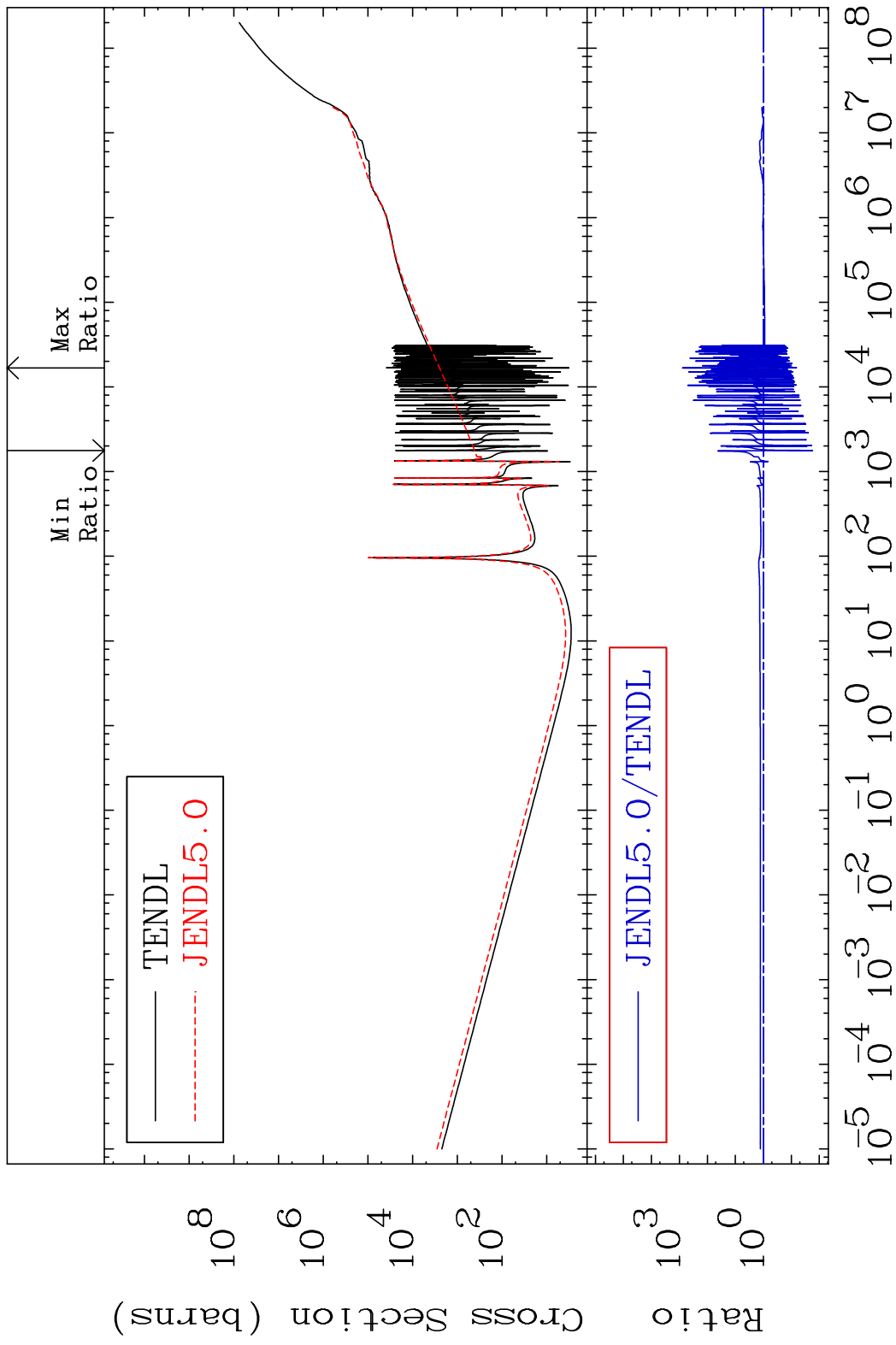


57

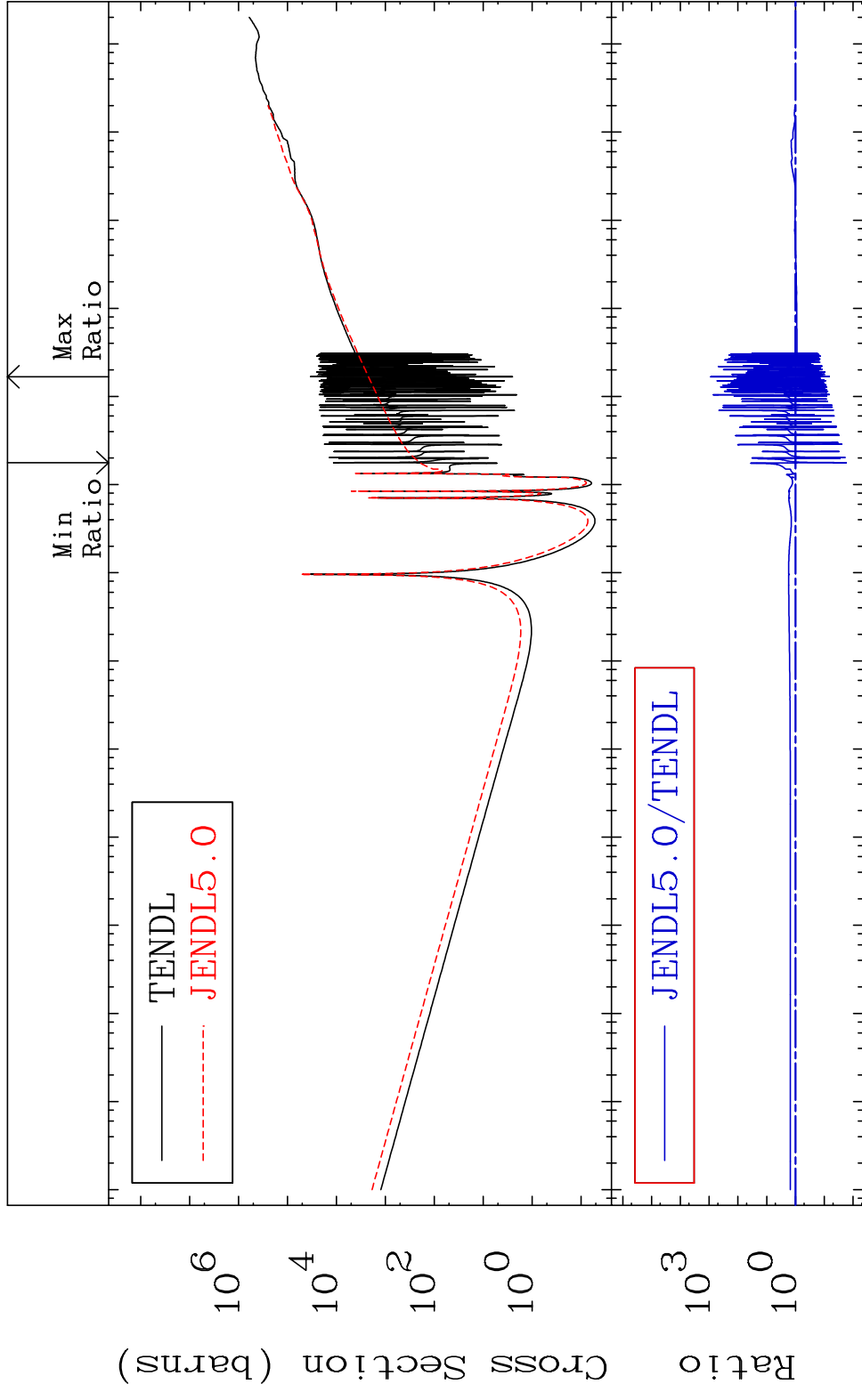
Incident Energy (eV)

78-Pt-198

MAT 7849 Total kinematic kerma (high limit) 78-Pt-198
 Cross Section -98.26 To 9999. %



Cross Section -98.28 To 9999. %

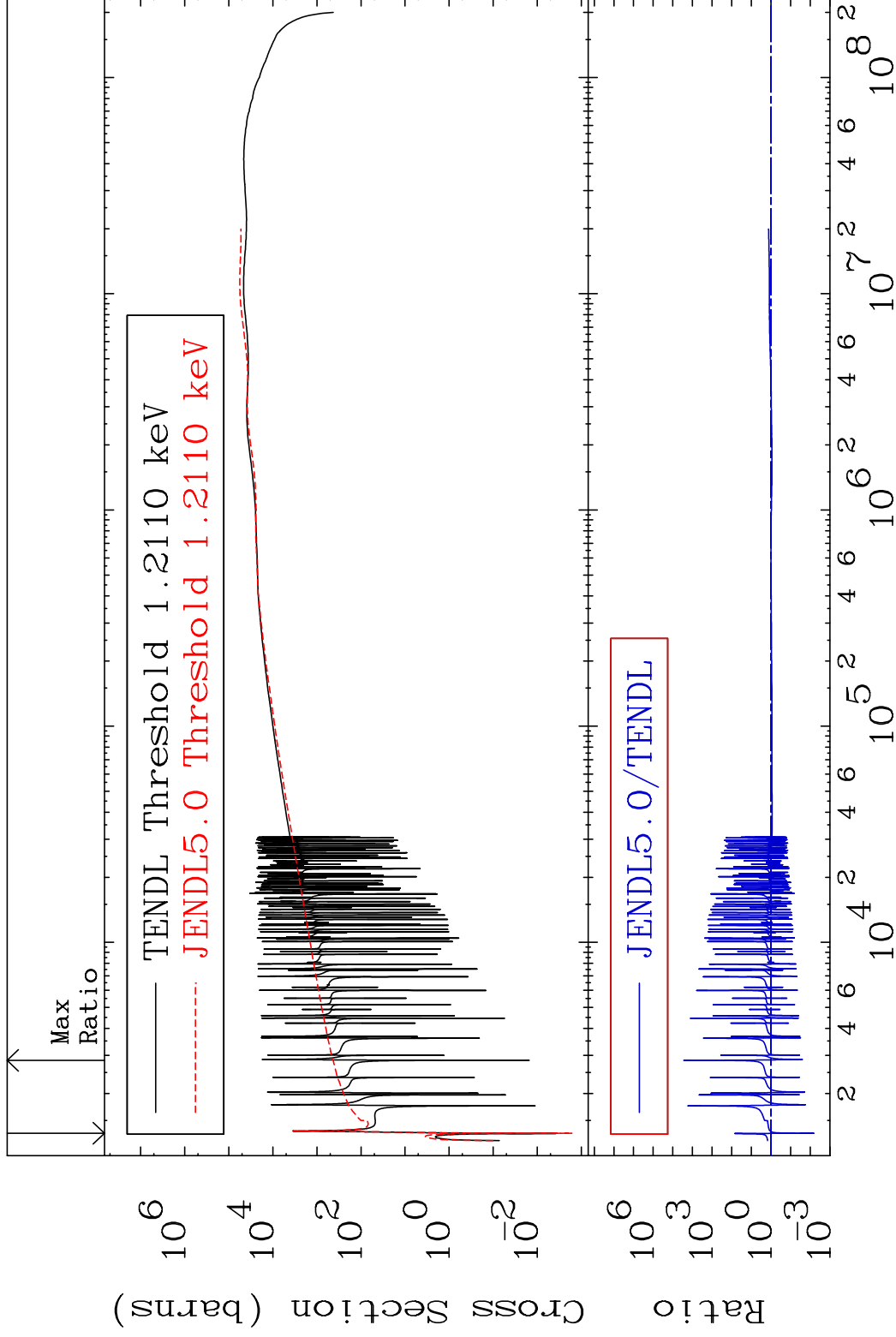


MAT 7849

Dpa elastic (mt2)

78-Pt-198

Cross Section -99.36 To 9999. %

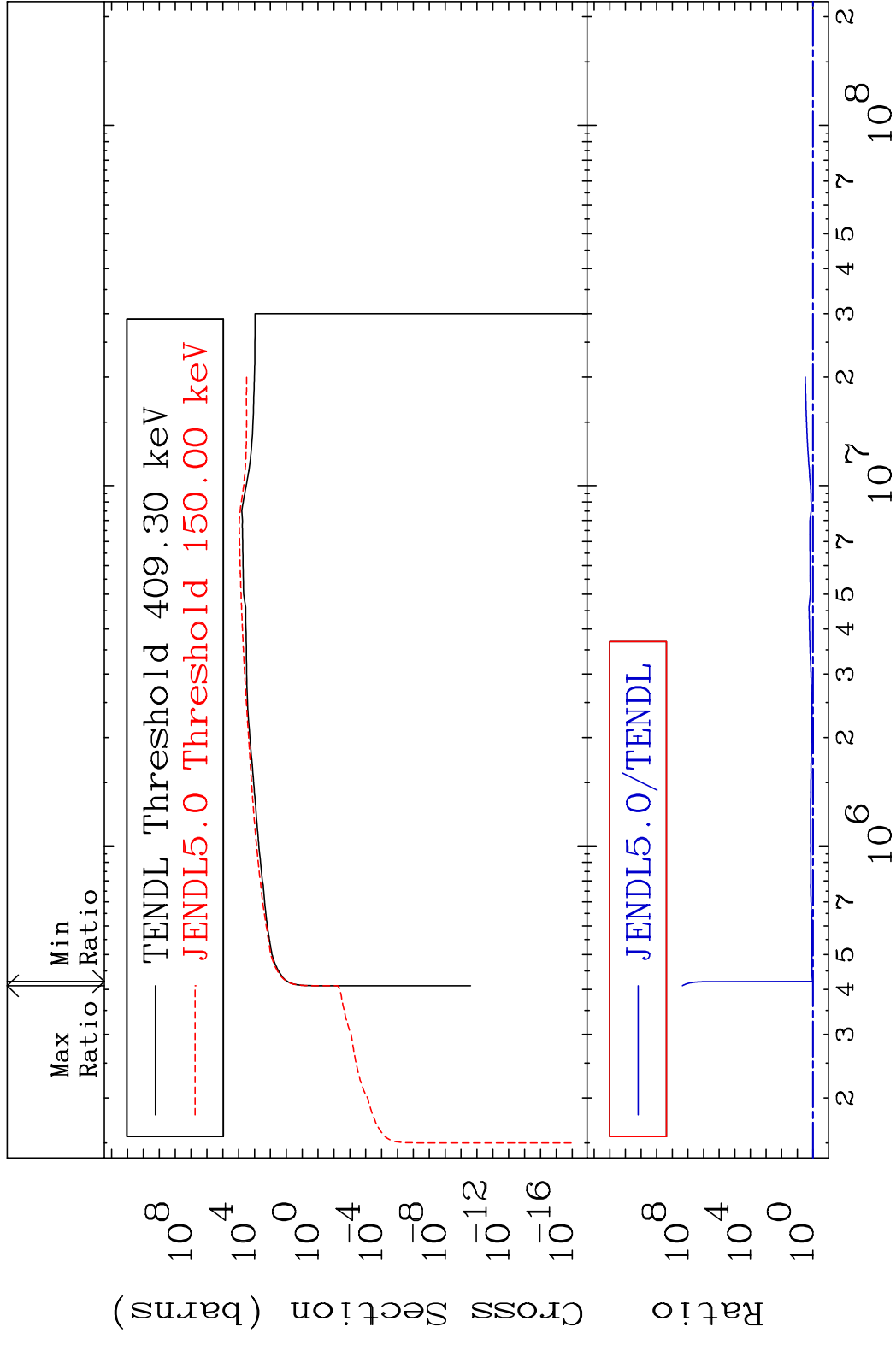


60

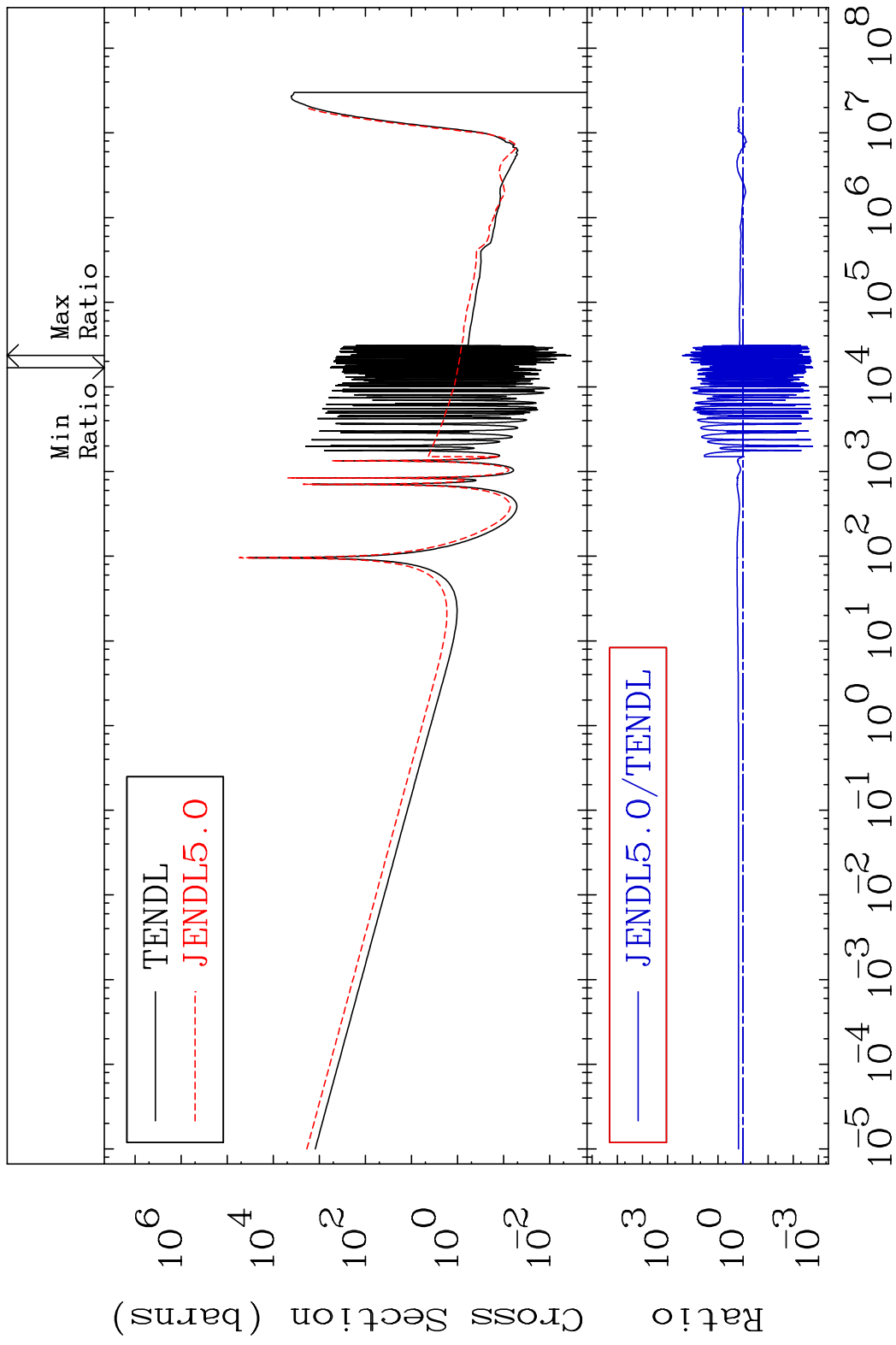
Incident Energy (eV)

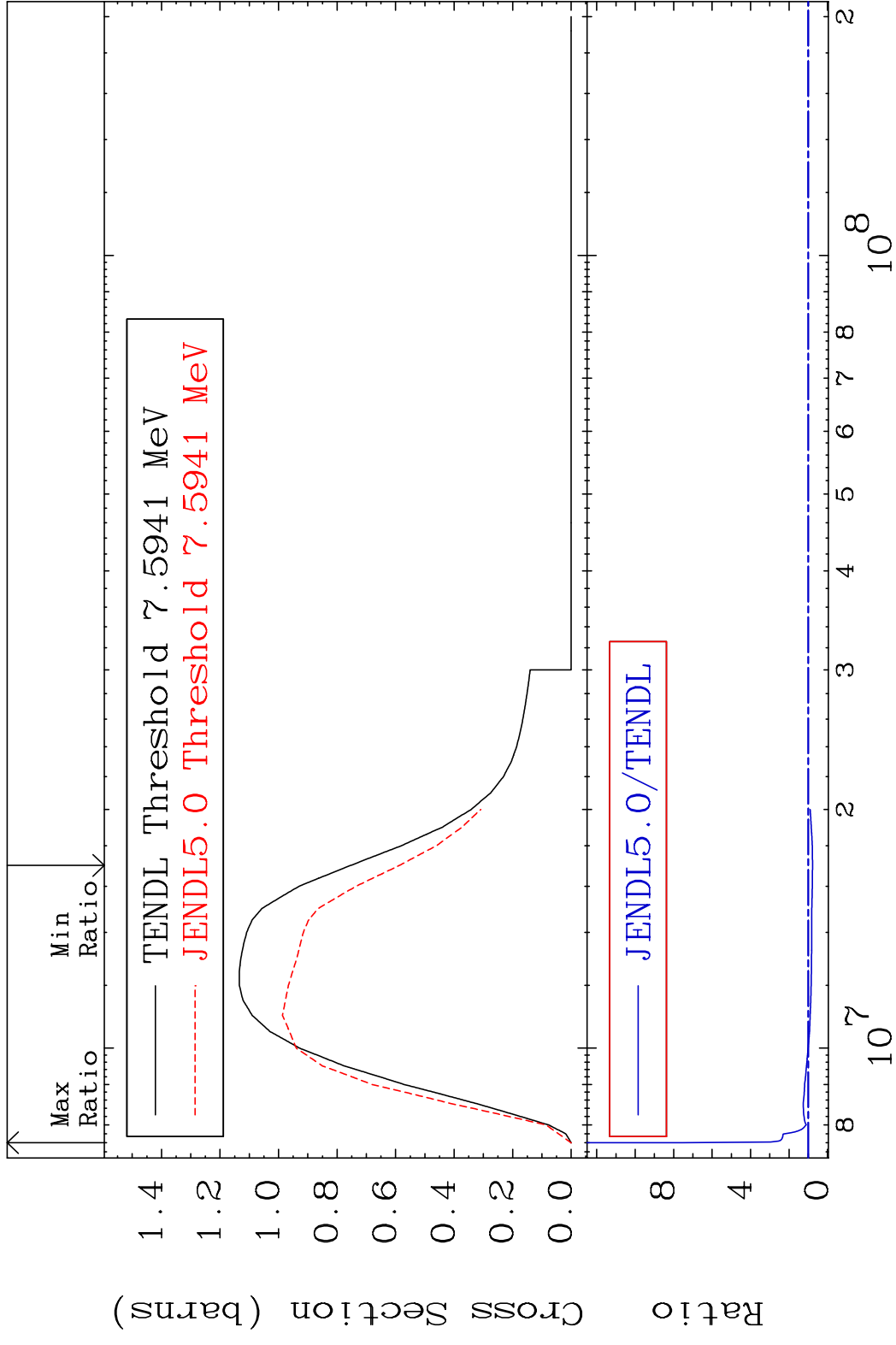
78-Pt-198

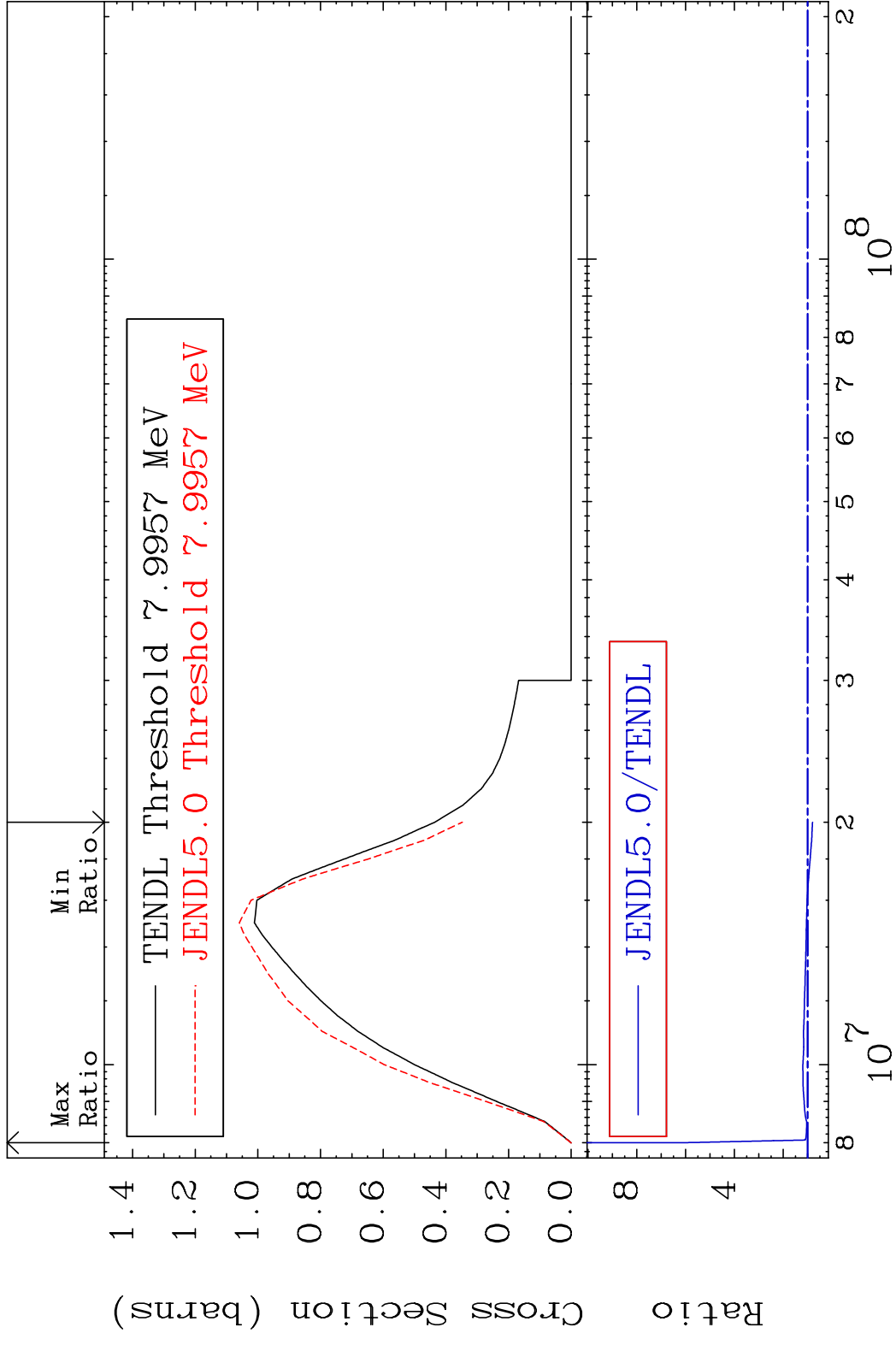
MAT 7849 Dpa inelastic (mt51-91) 78-Pt-198
 Cross Section 5.736 To 9999. %

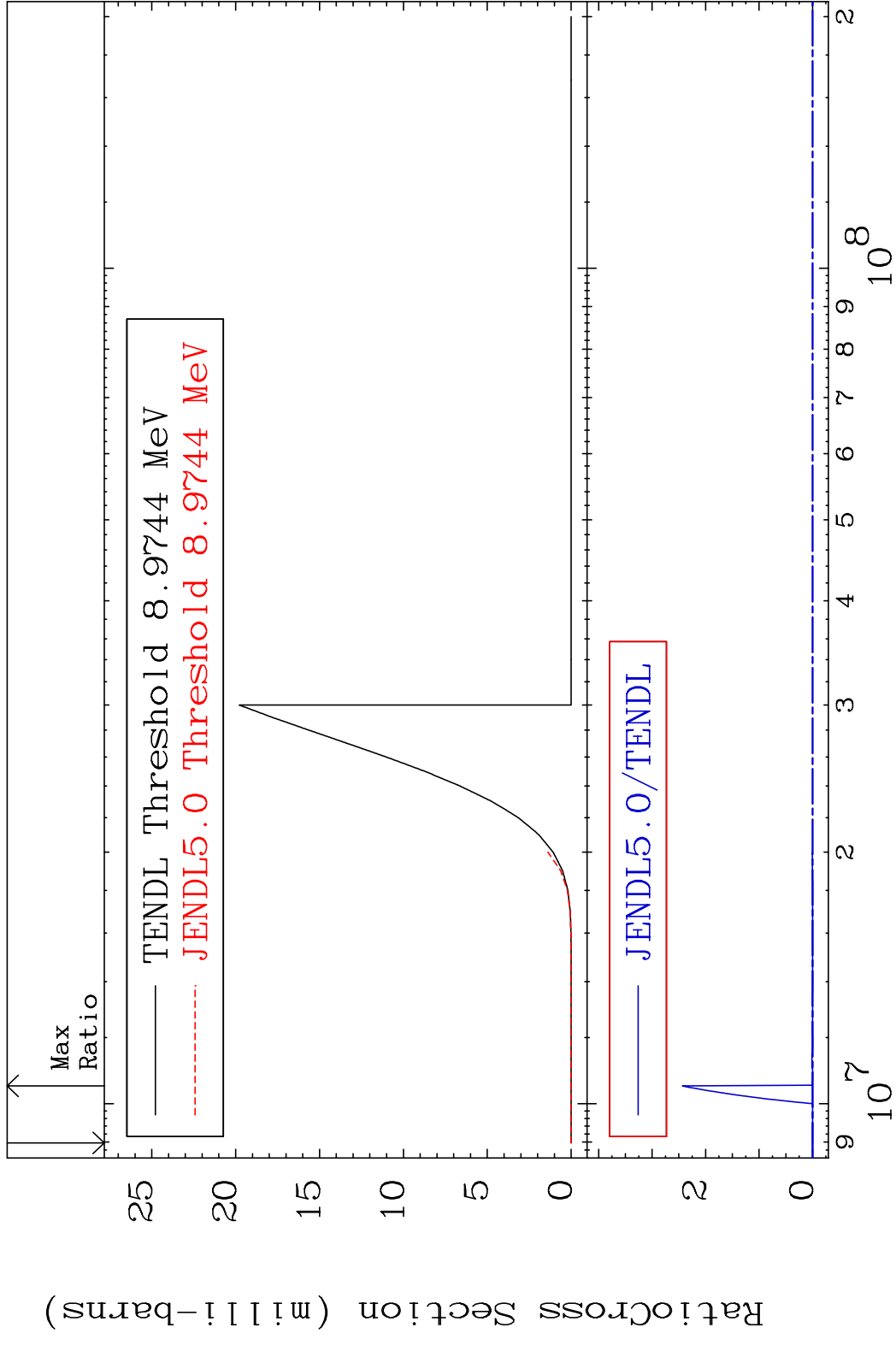


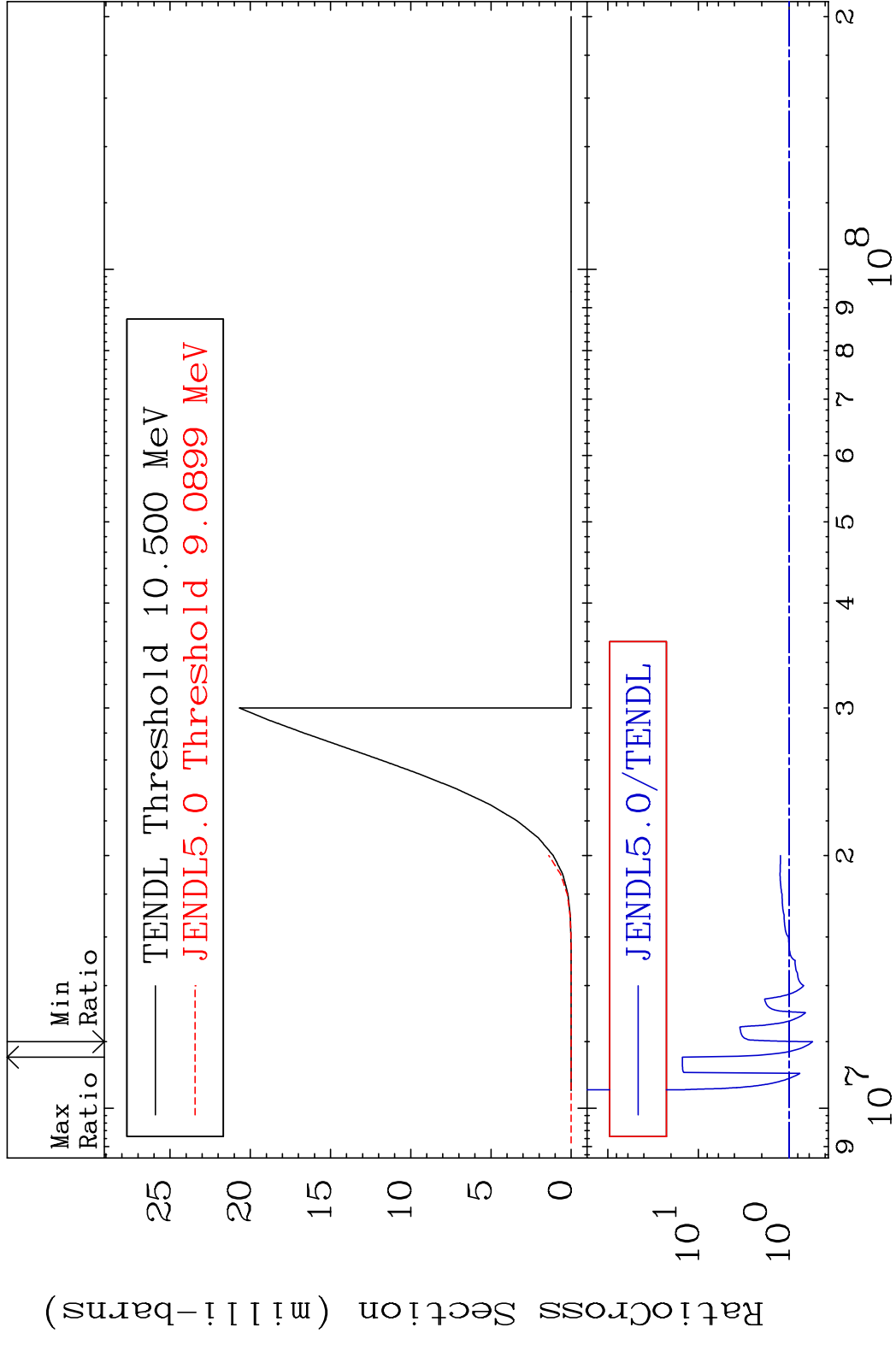
MAT 7849 Dpa disappearance (mt102 -120) 78-Pt-198
 Cross Section -99.83 To 9999. %

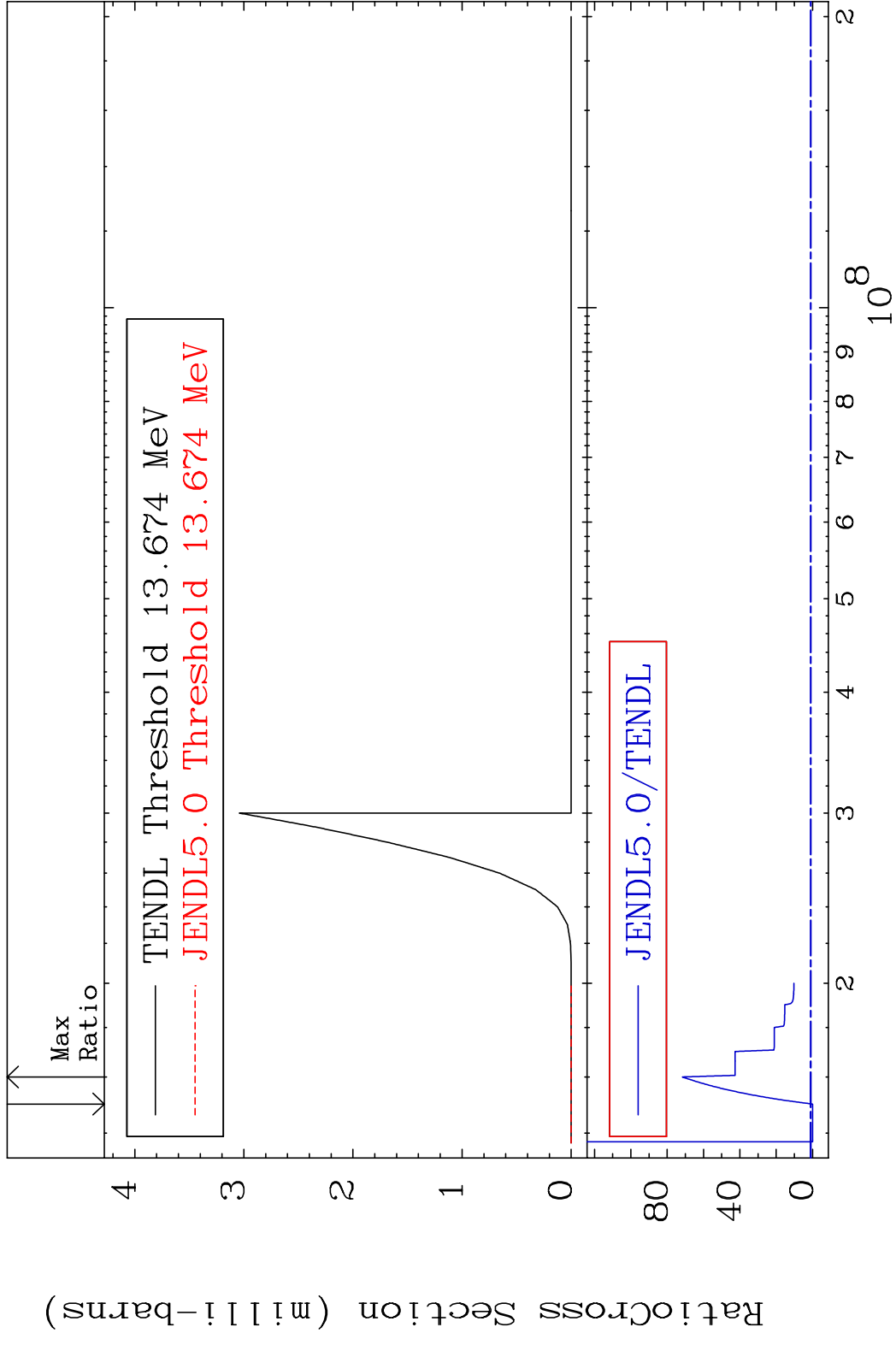


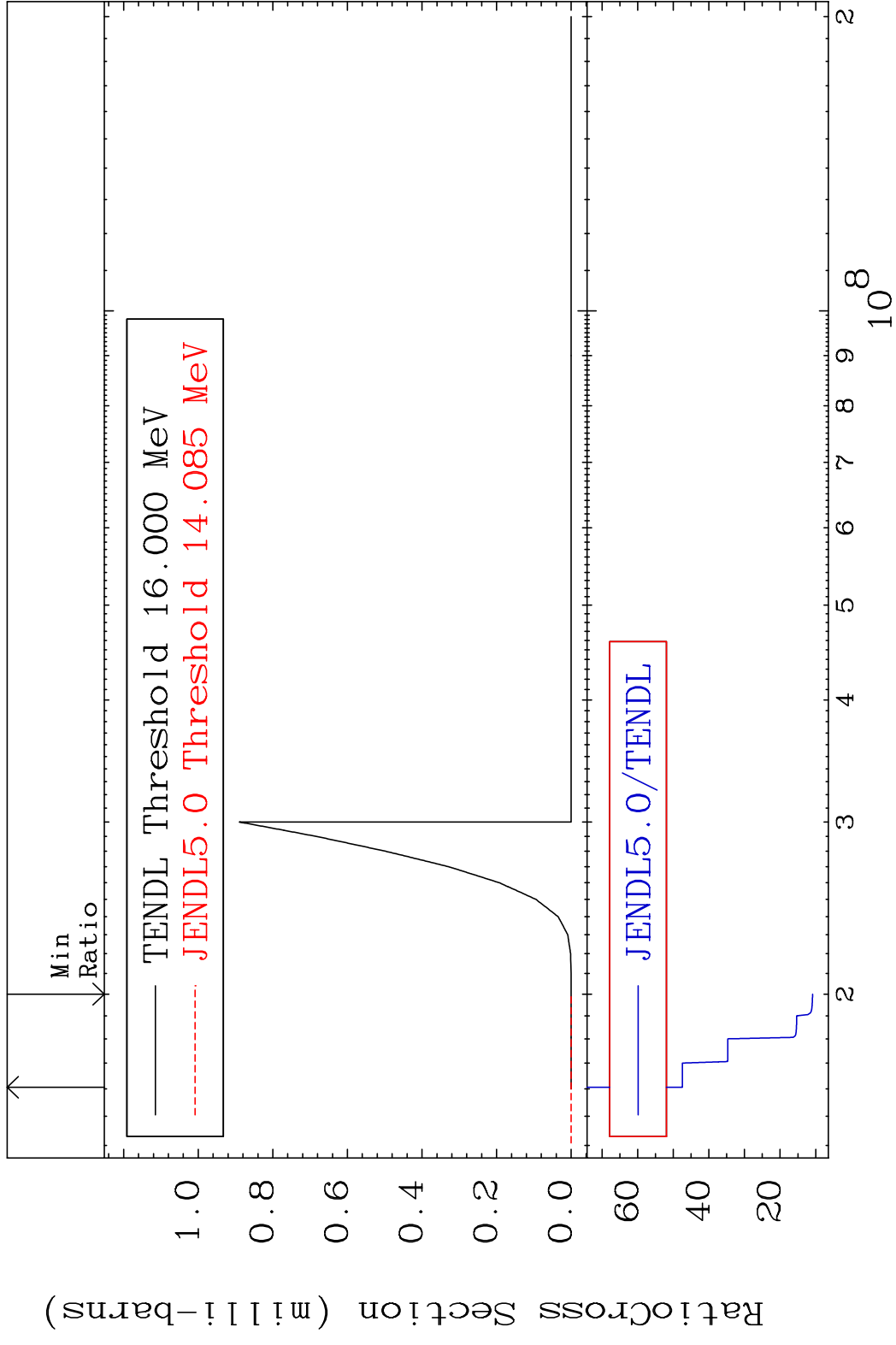


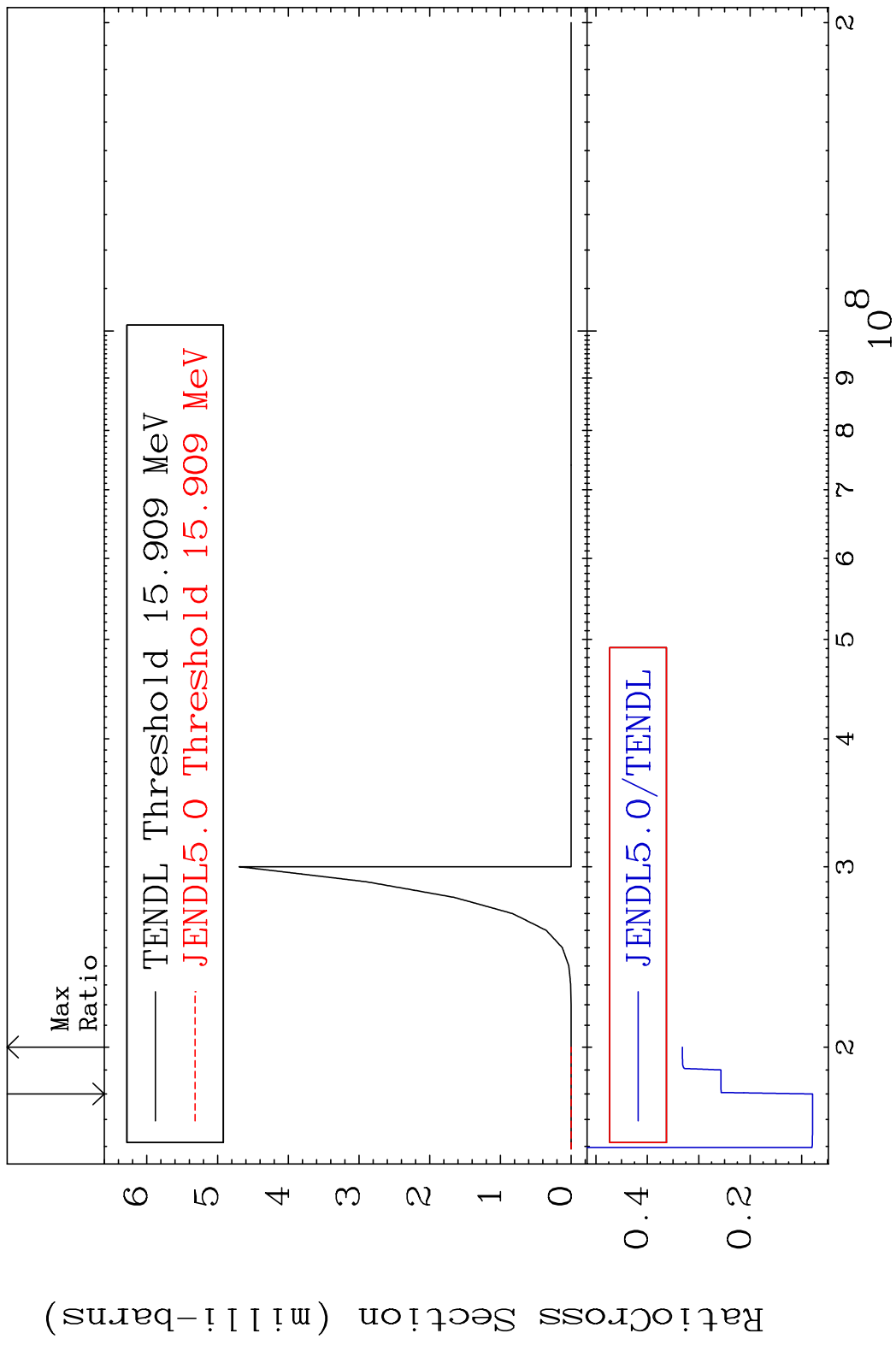


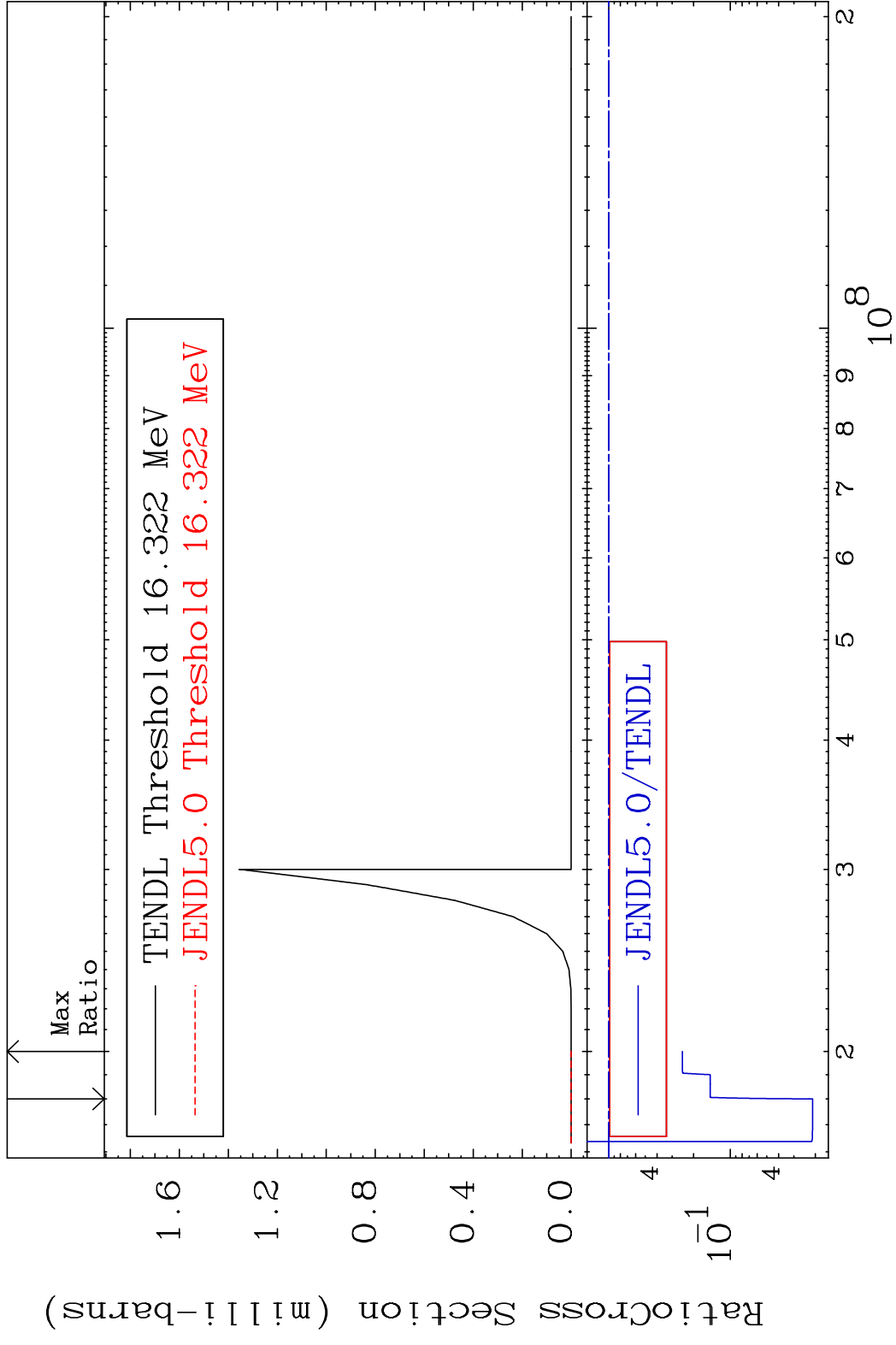


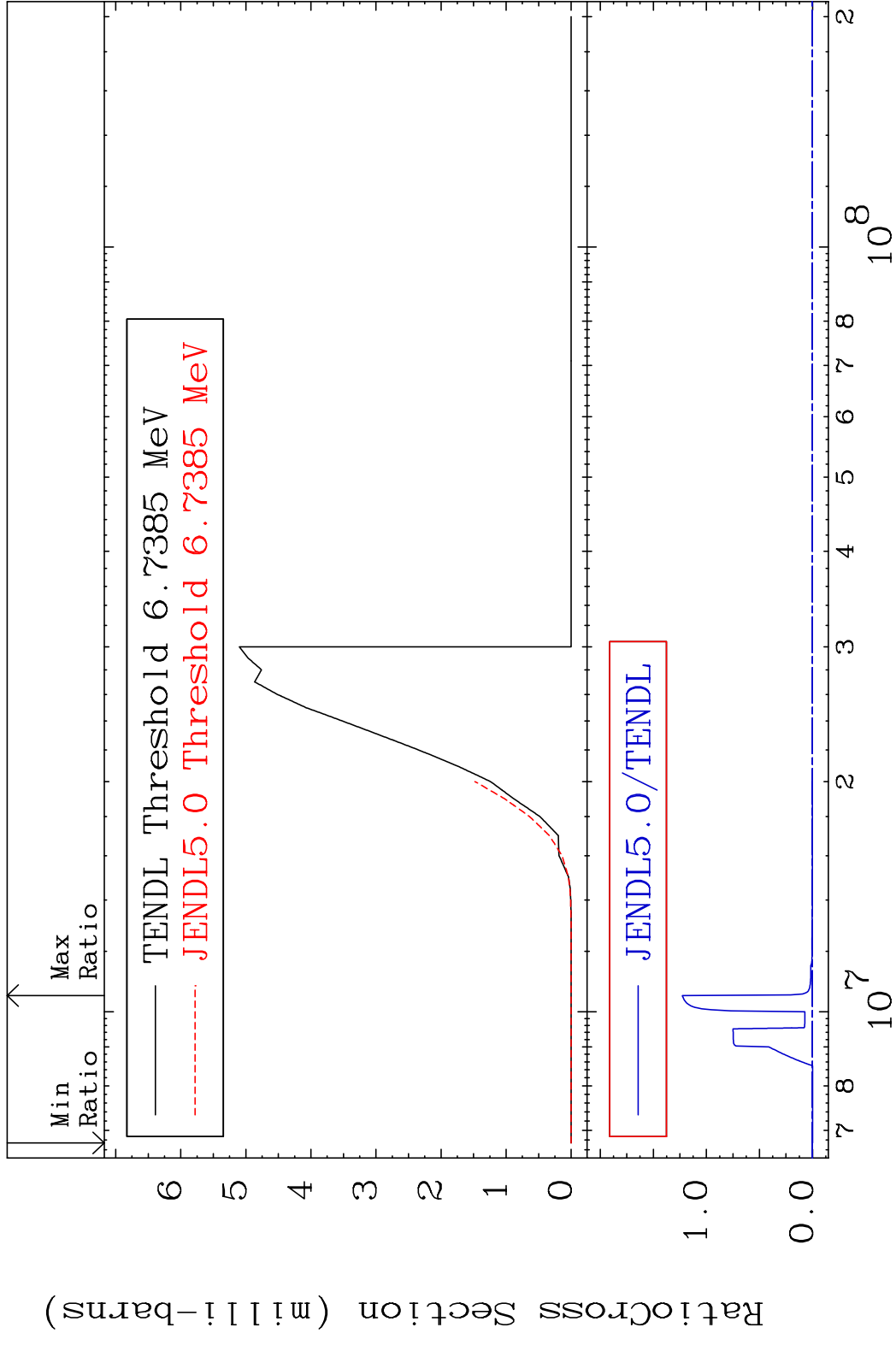


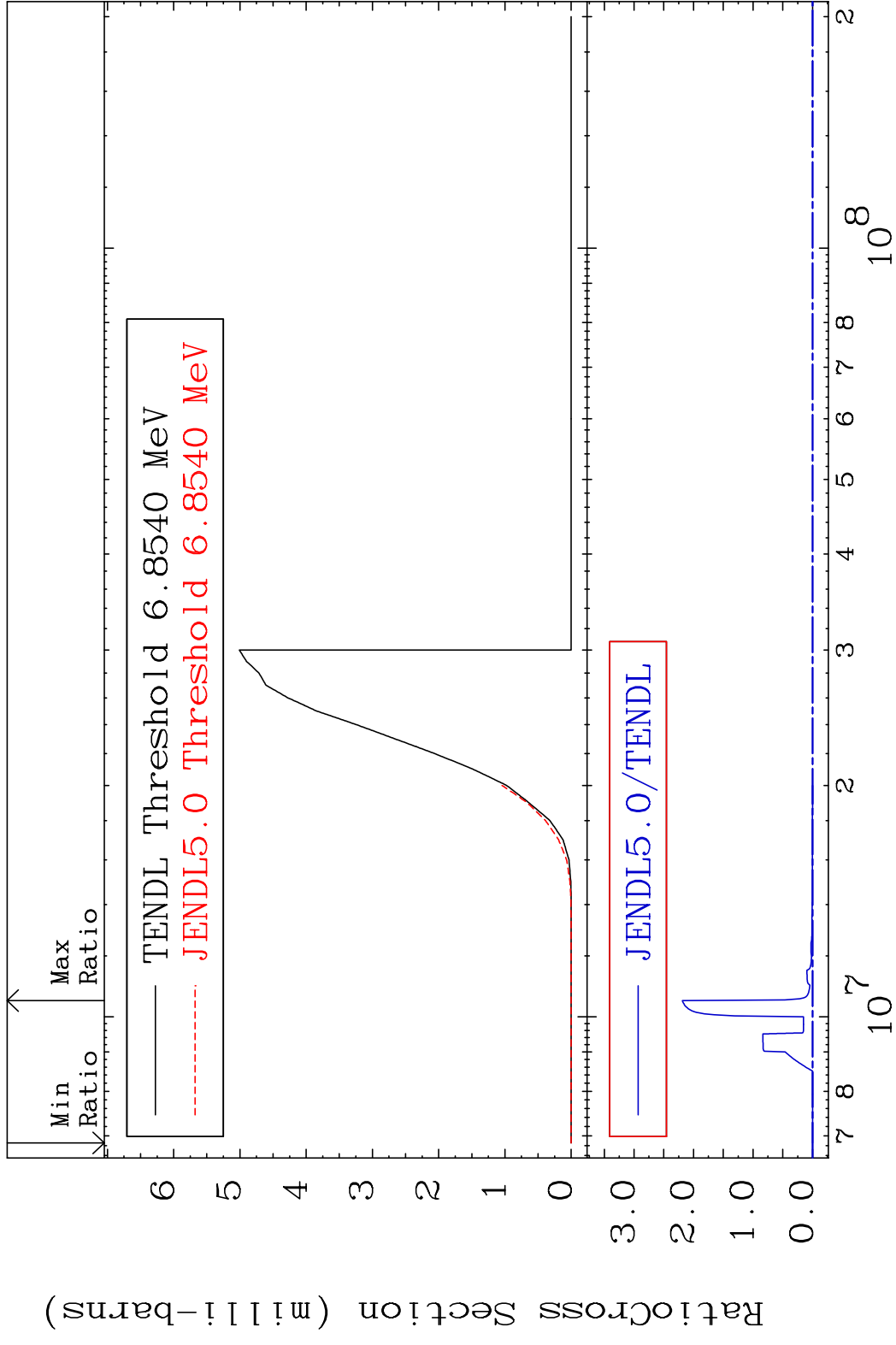


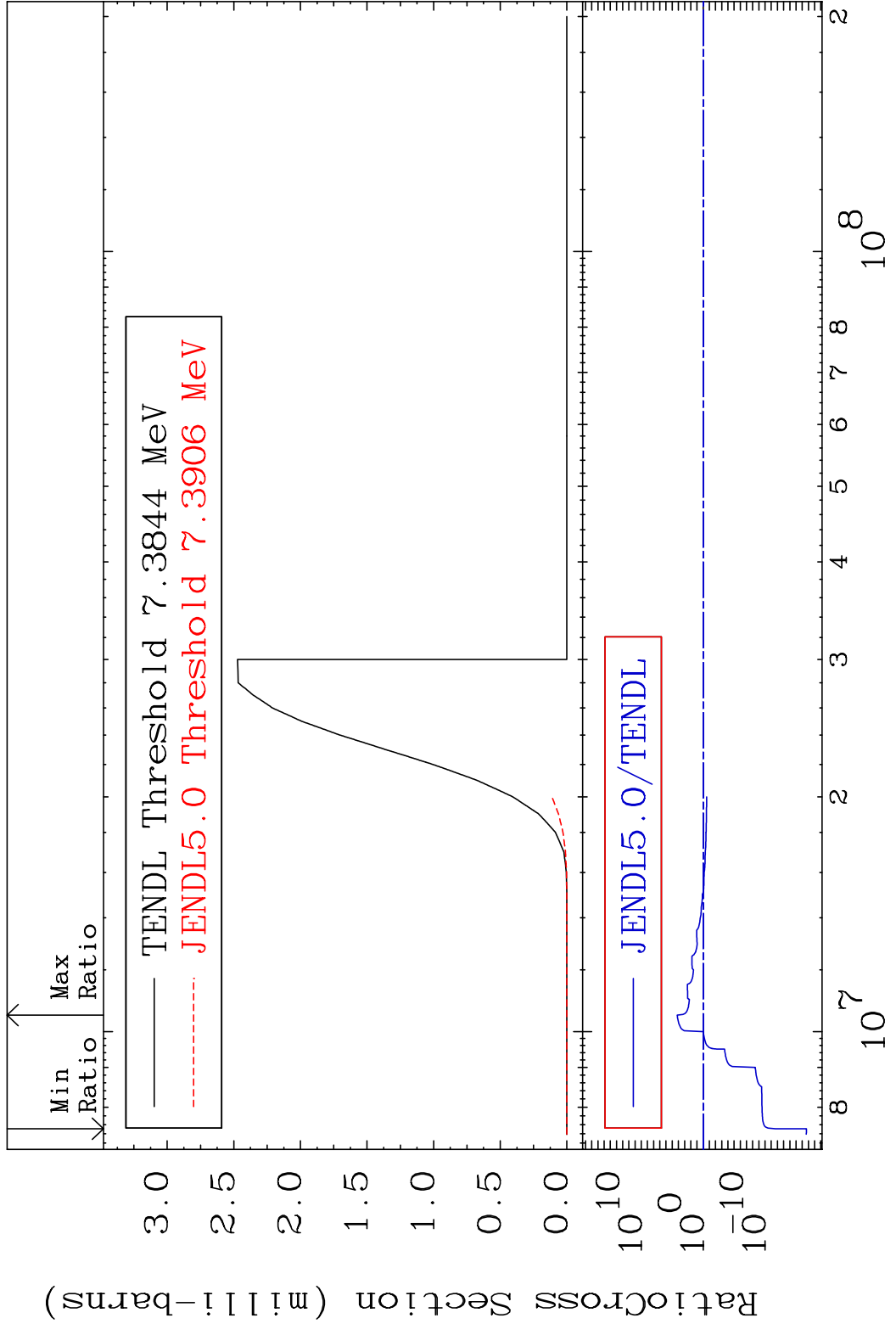


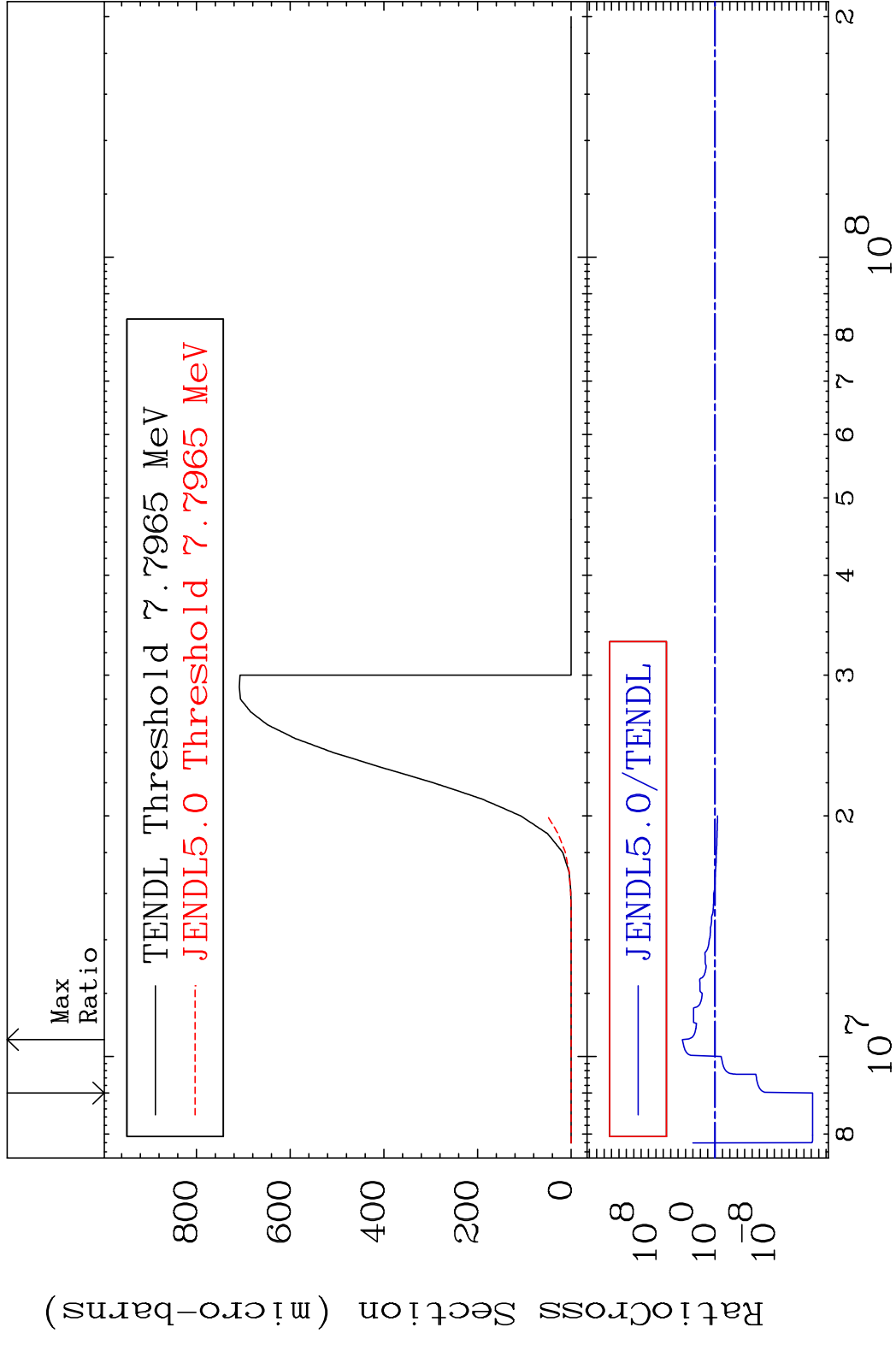




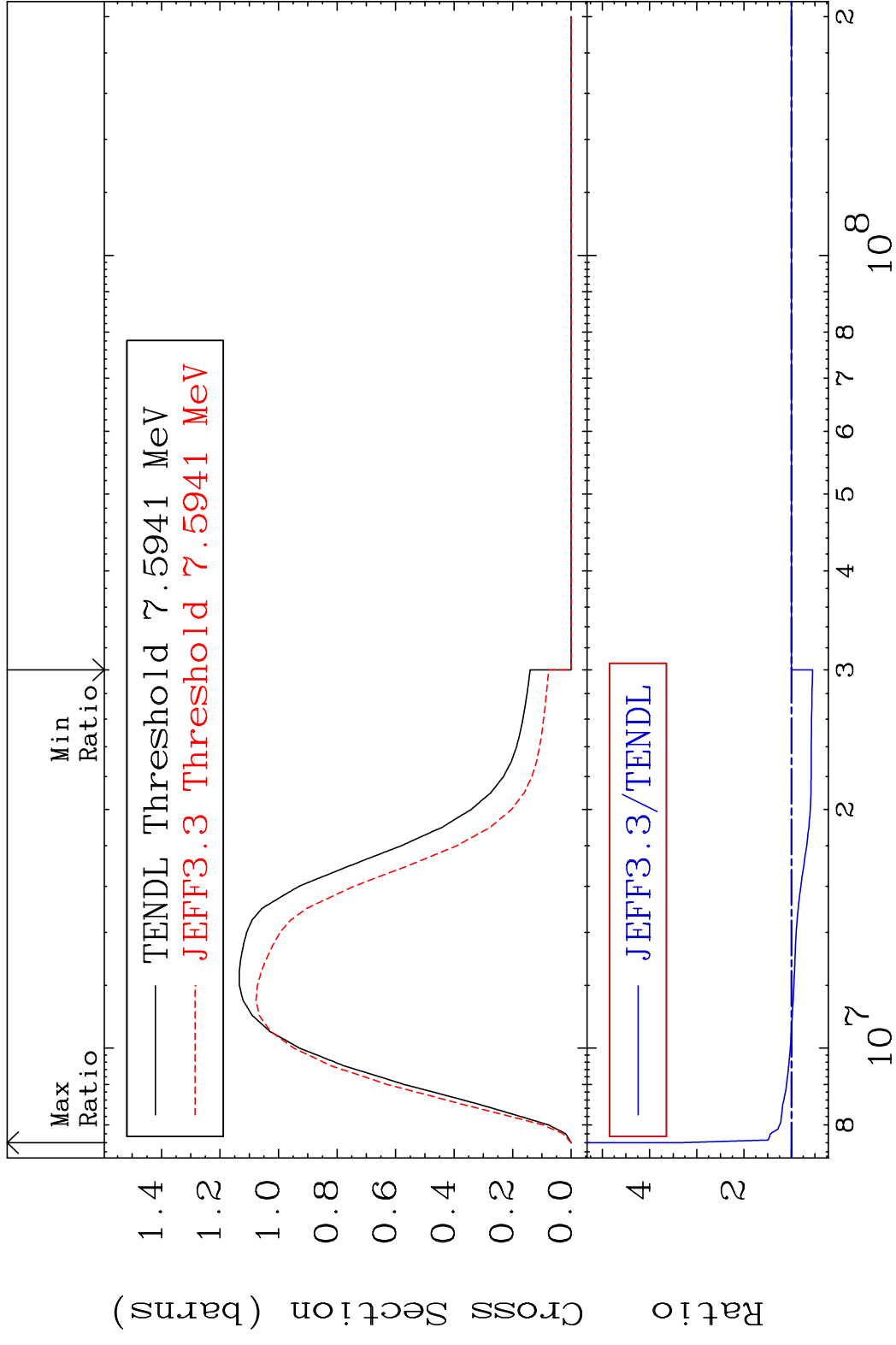






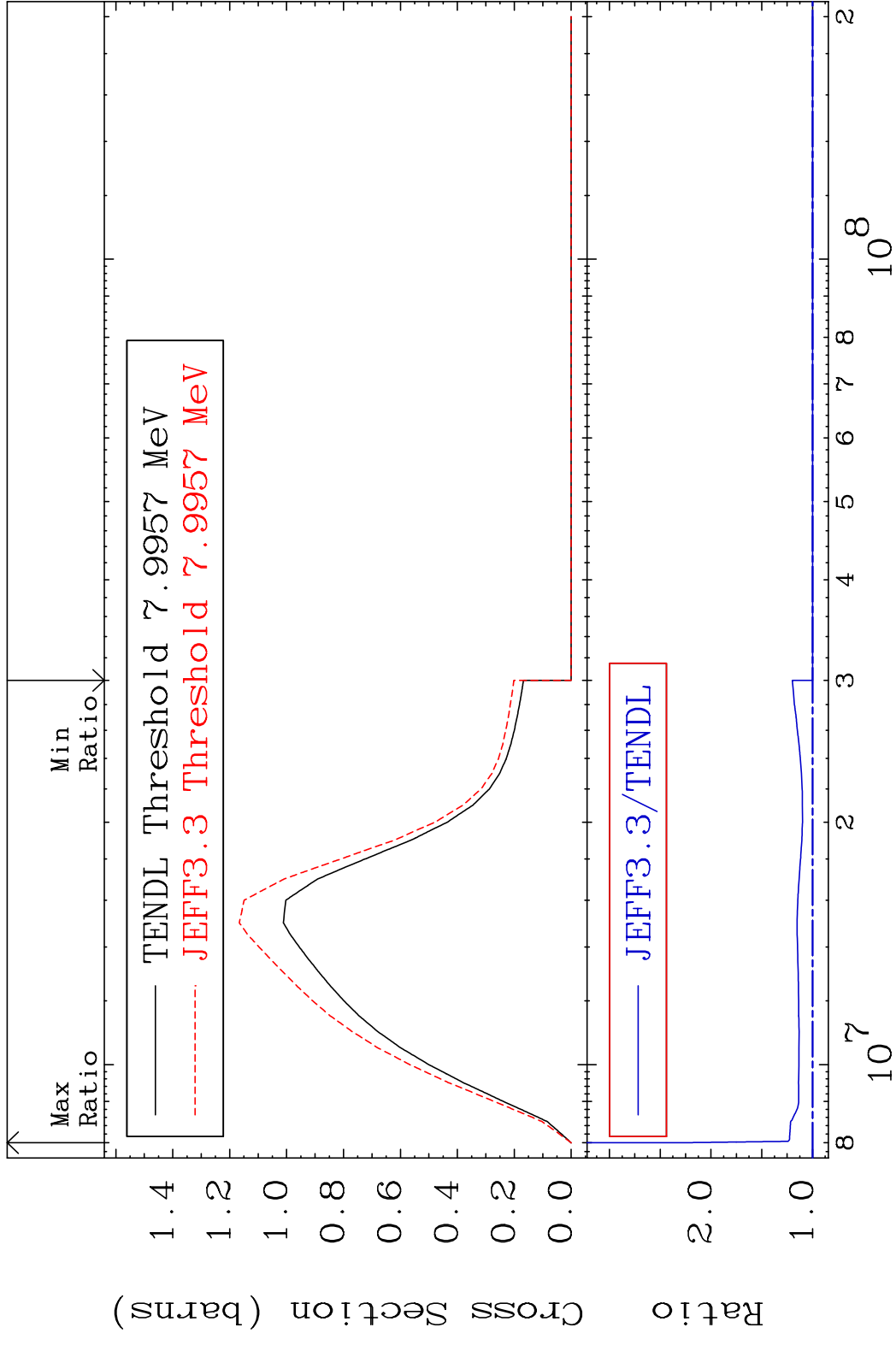


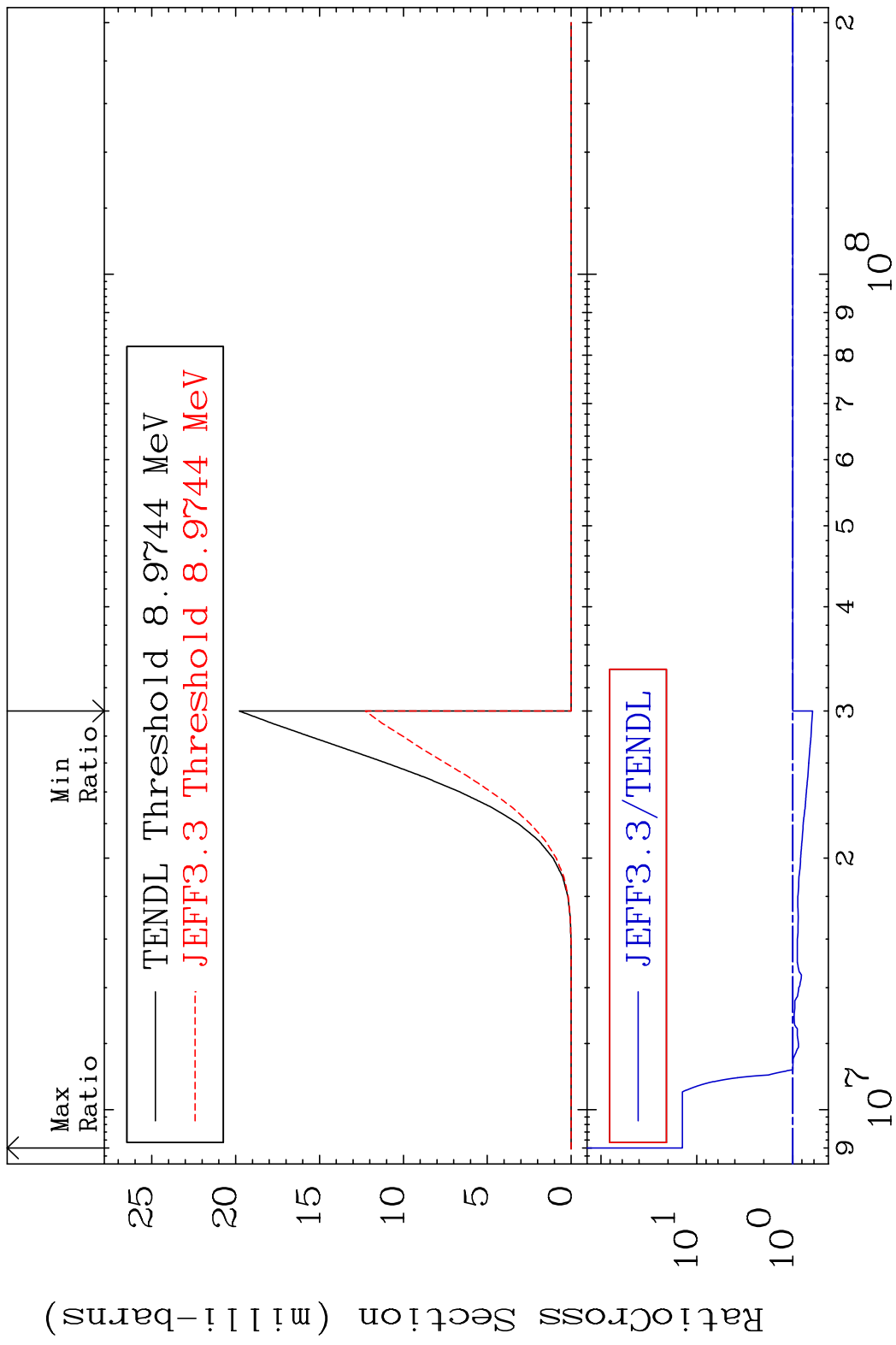
MAT 7849 (n,2n):78-Pt-197g 78-Pt-198
 Radionuclide Production Cross Section 4.60110 230.6 %

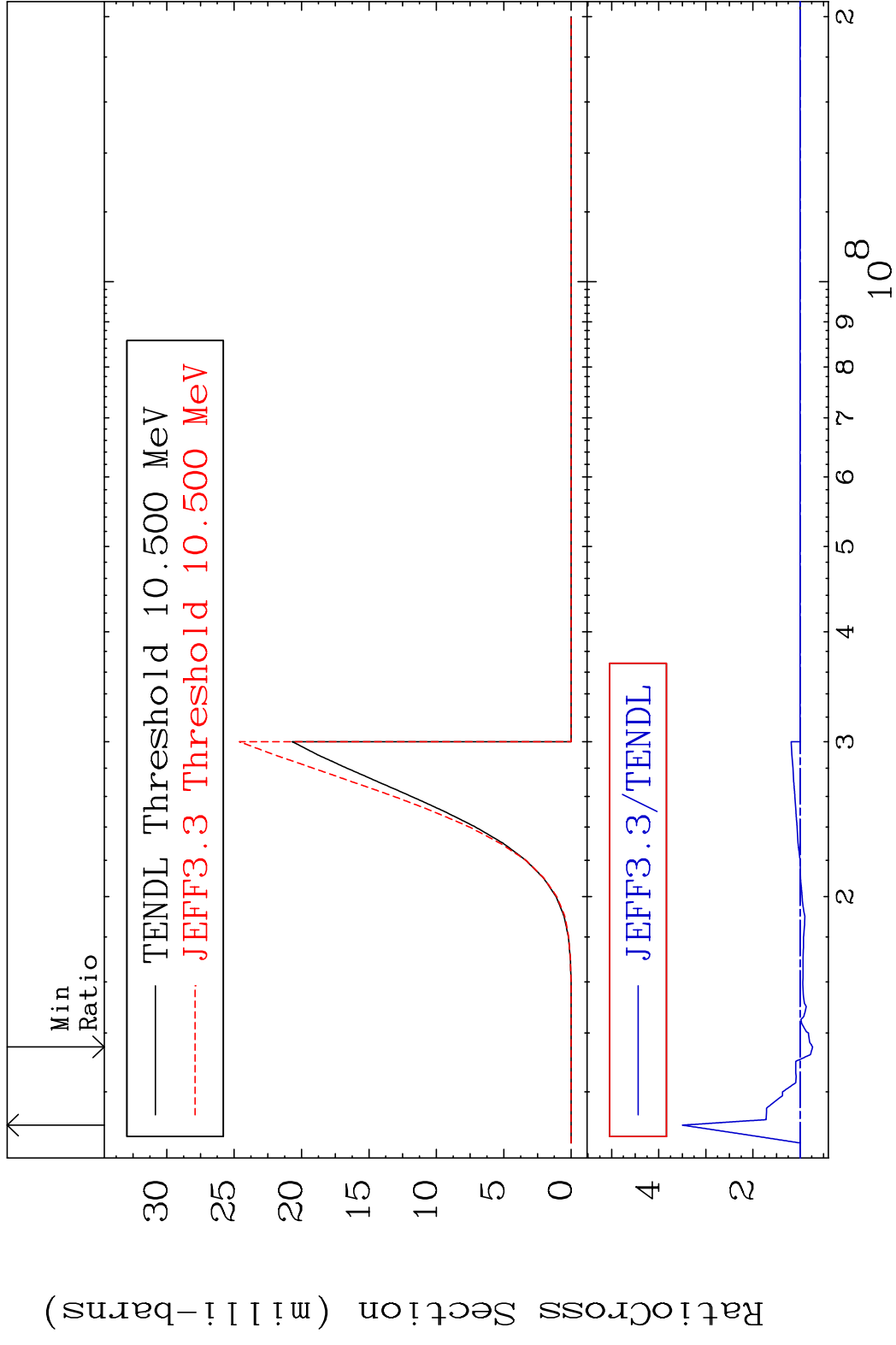


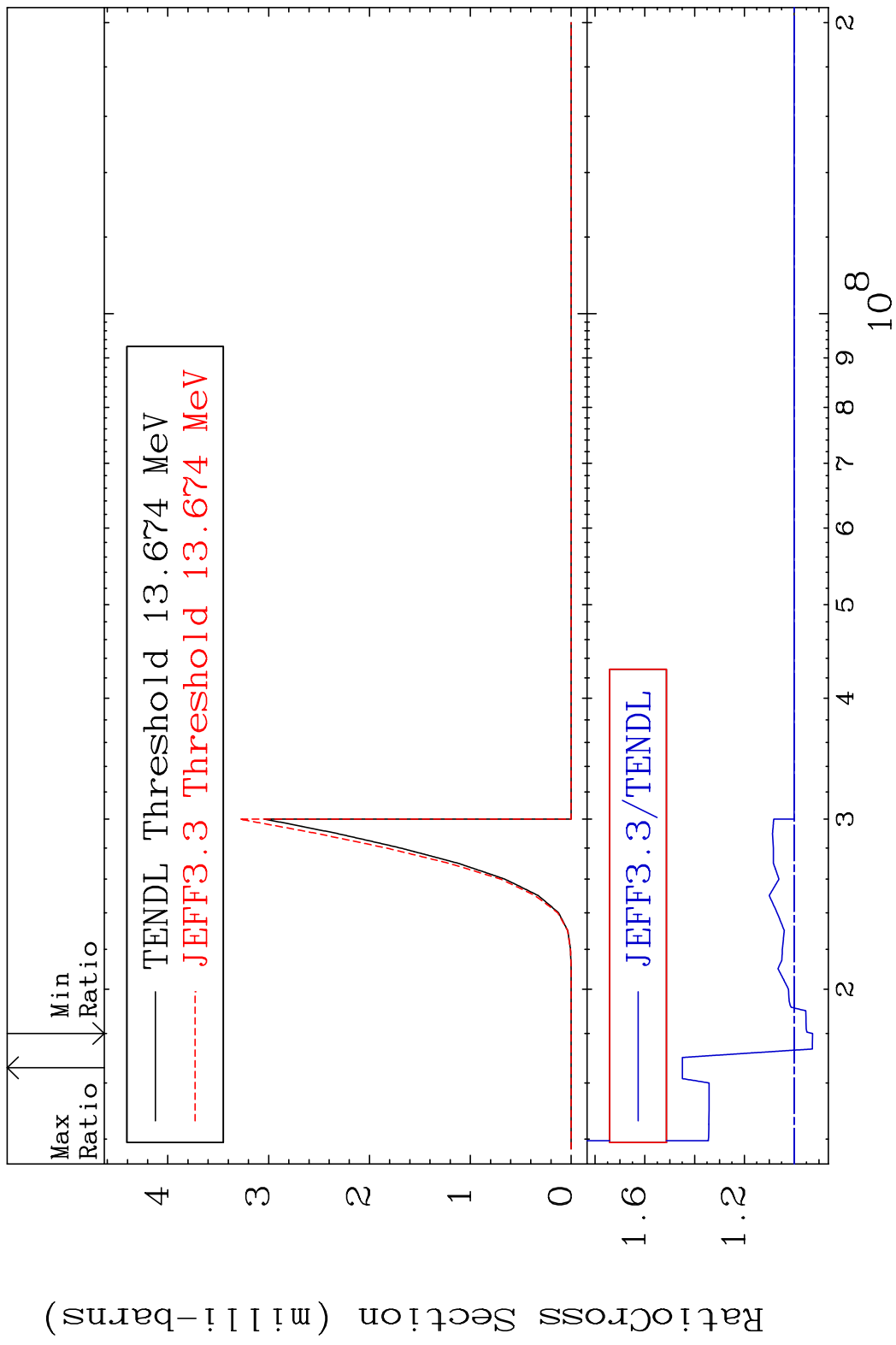
75 Incident Energy (eV) 78-Pt-198

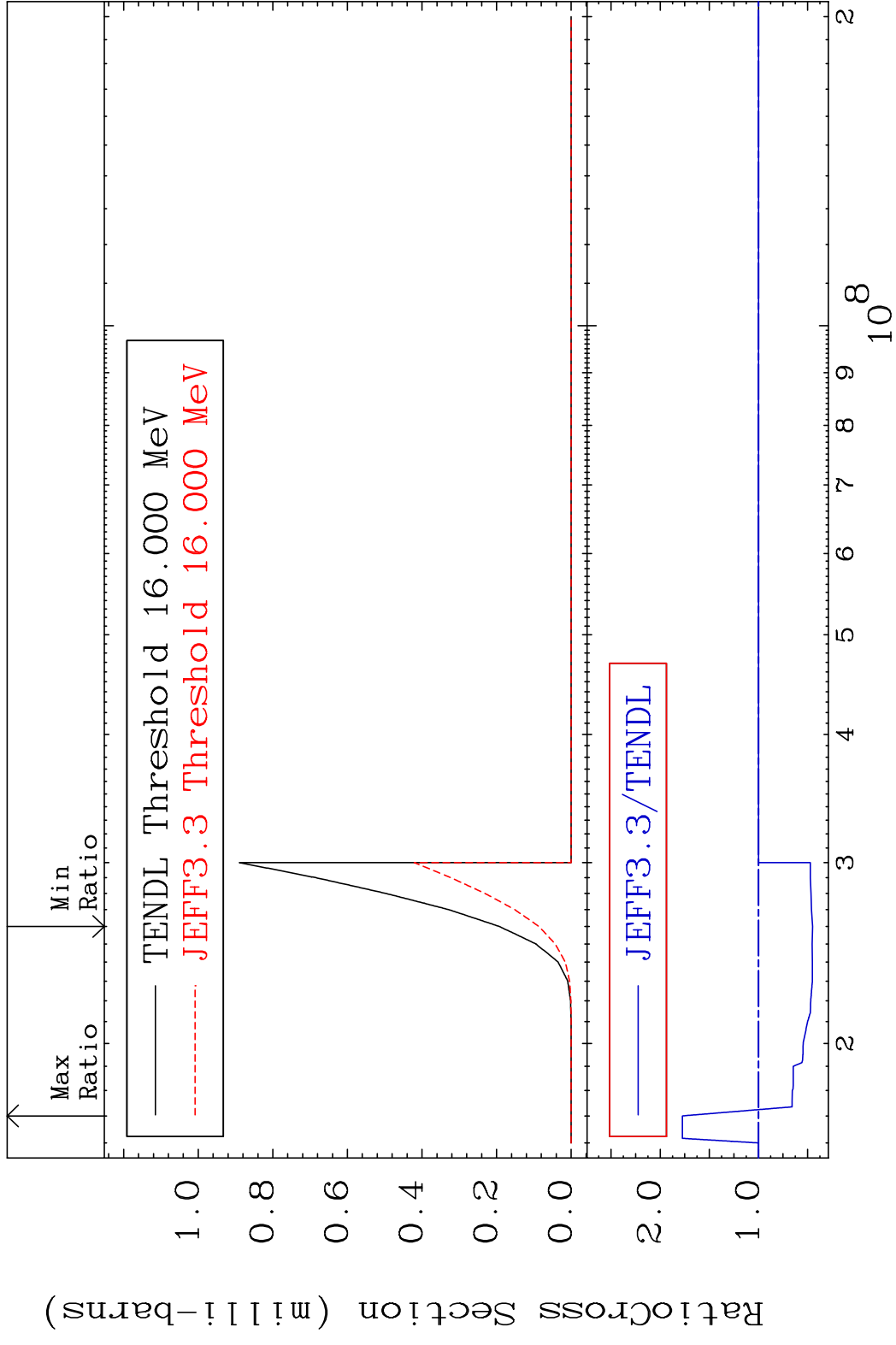
MAT 7849 (n,2n):78-Pt-197m9 78-Pt-198
 Radionuclide Production Cross Section 128.2 %

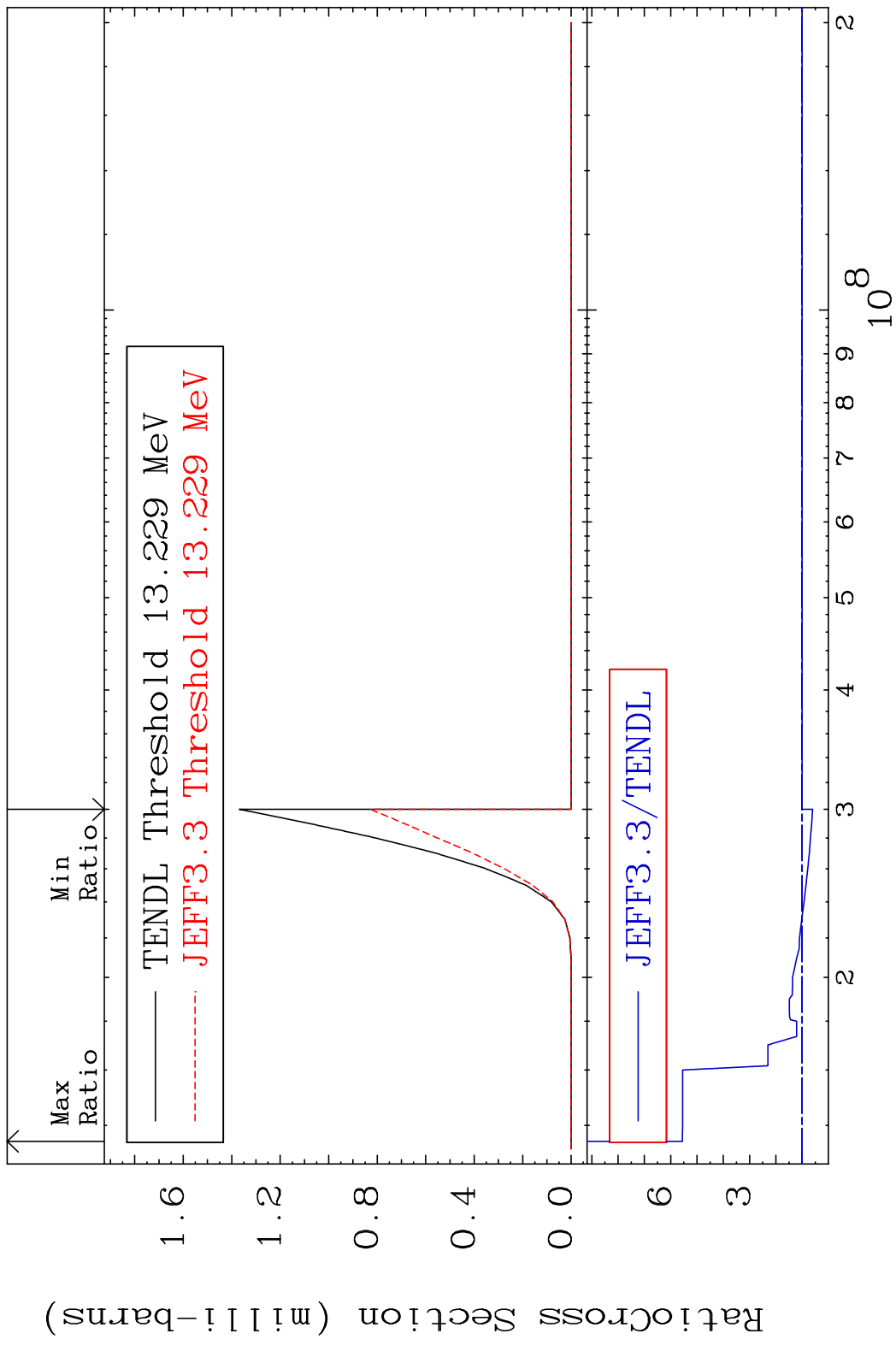


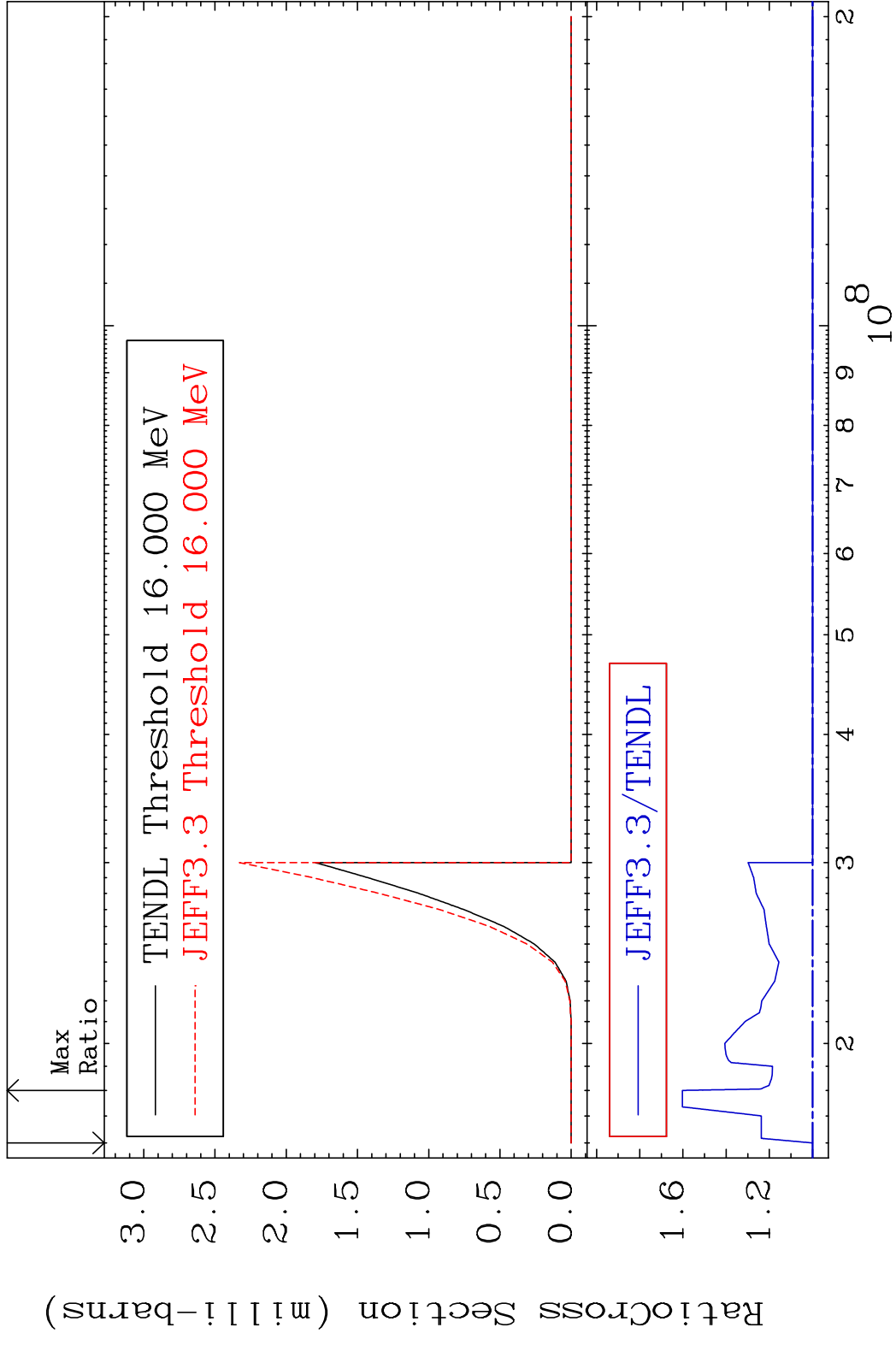


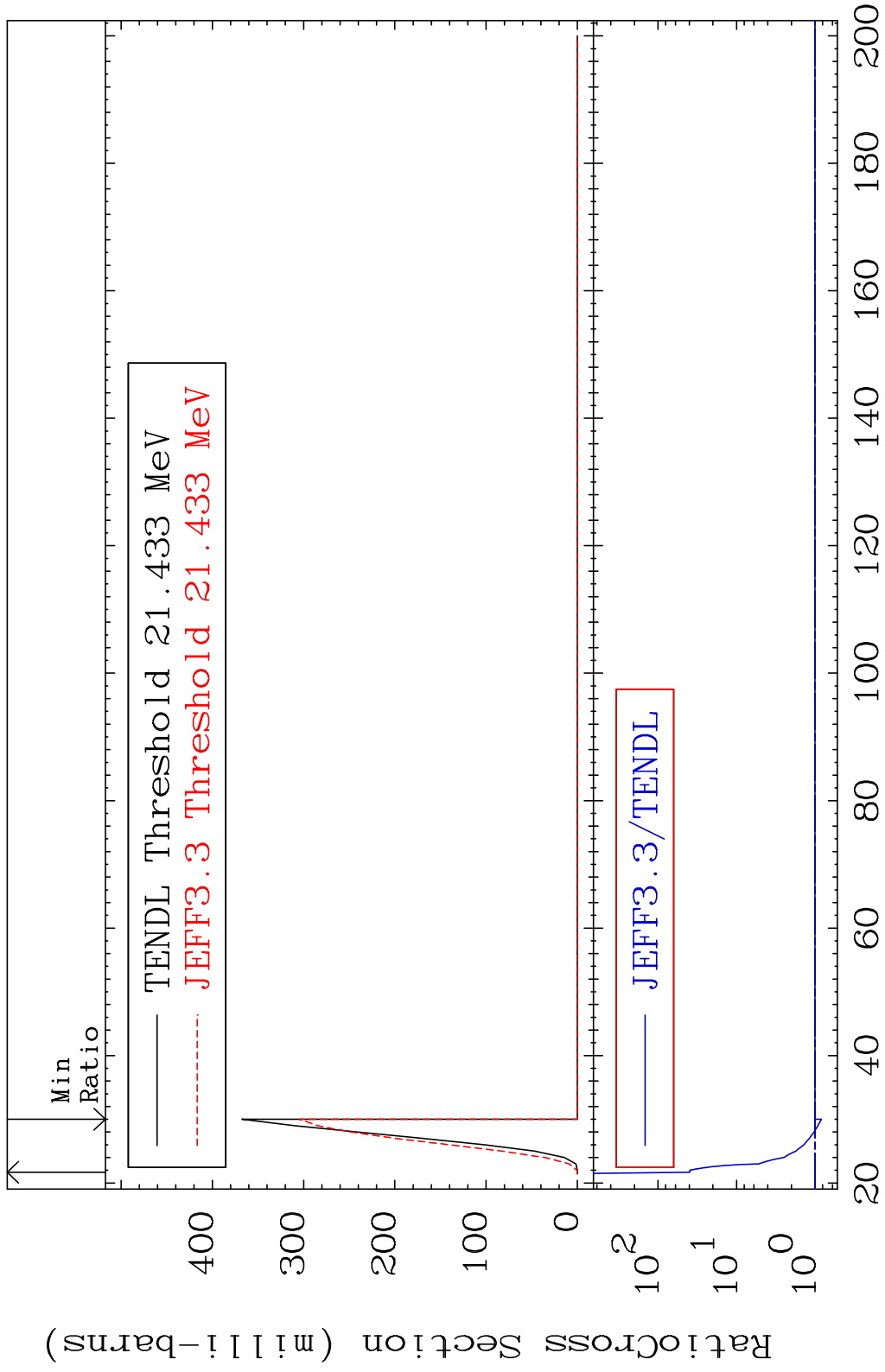


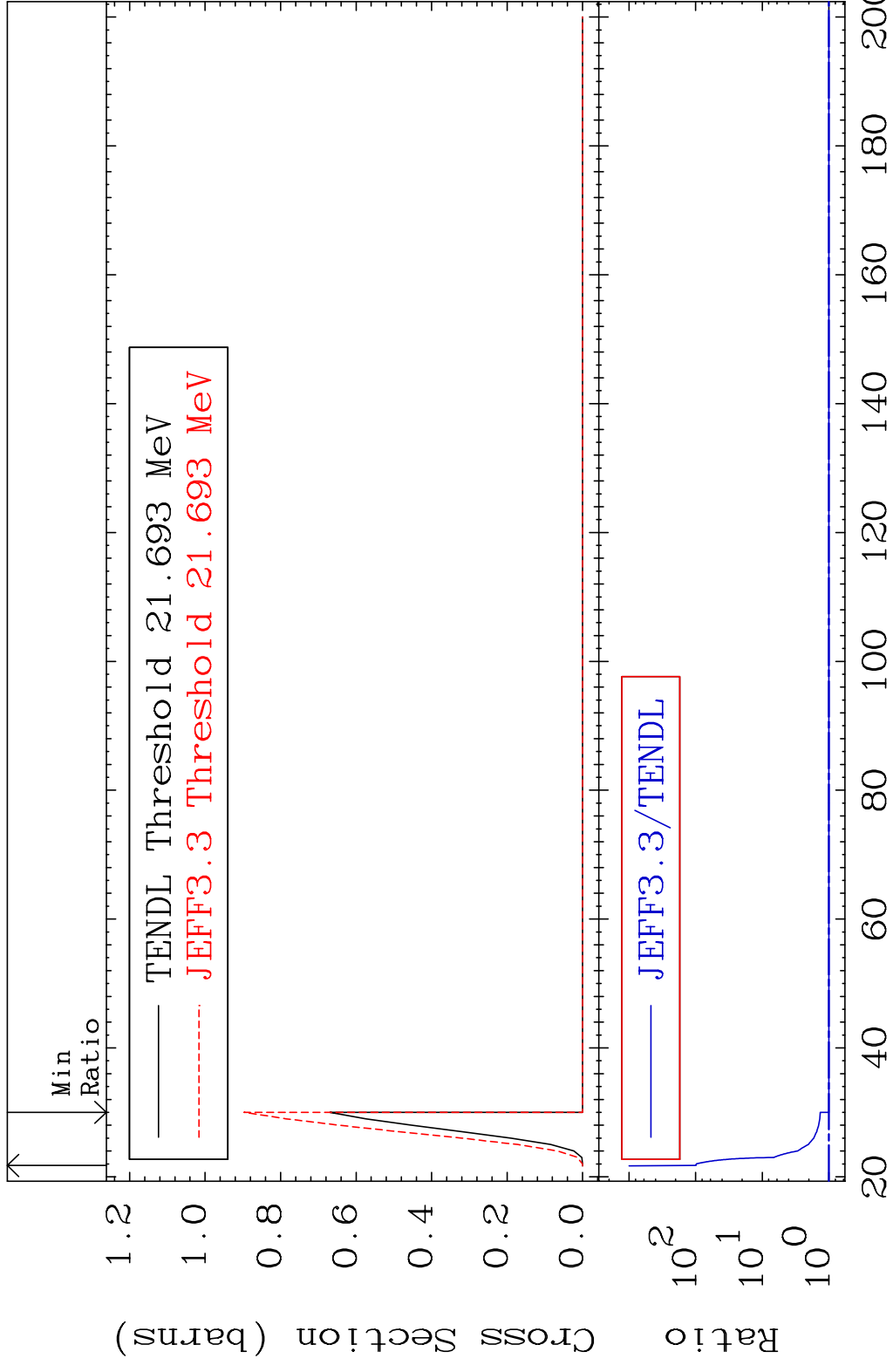


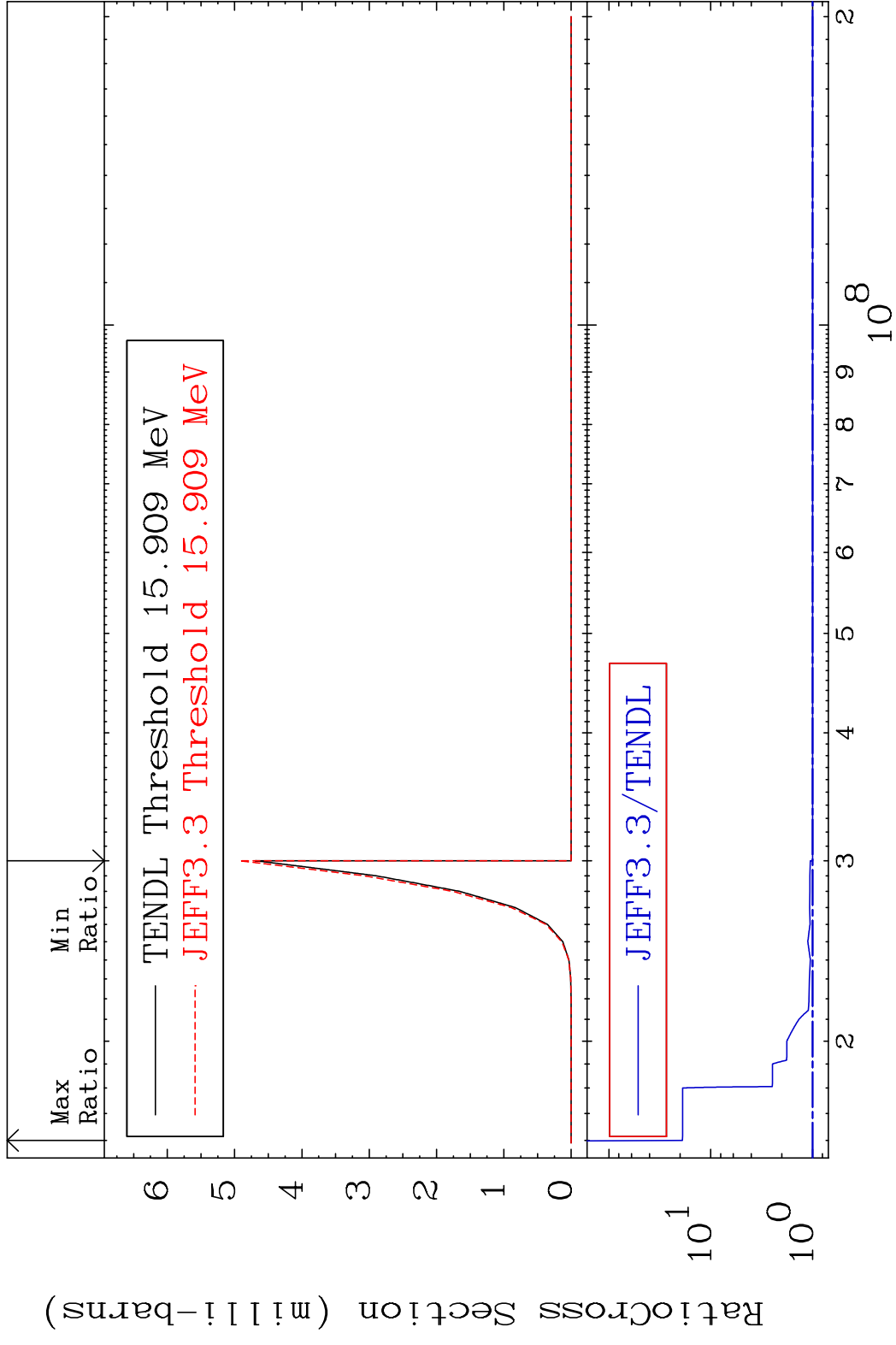


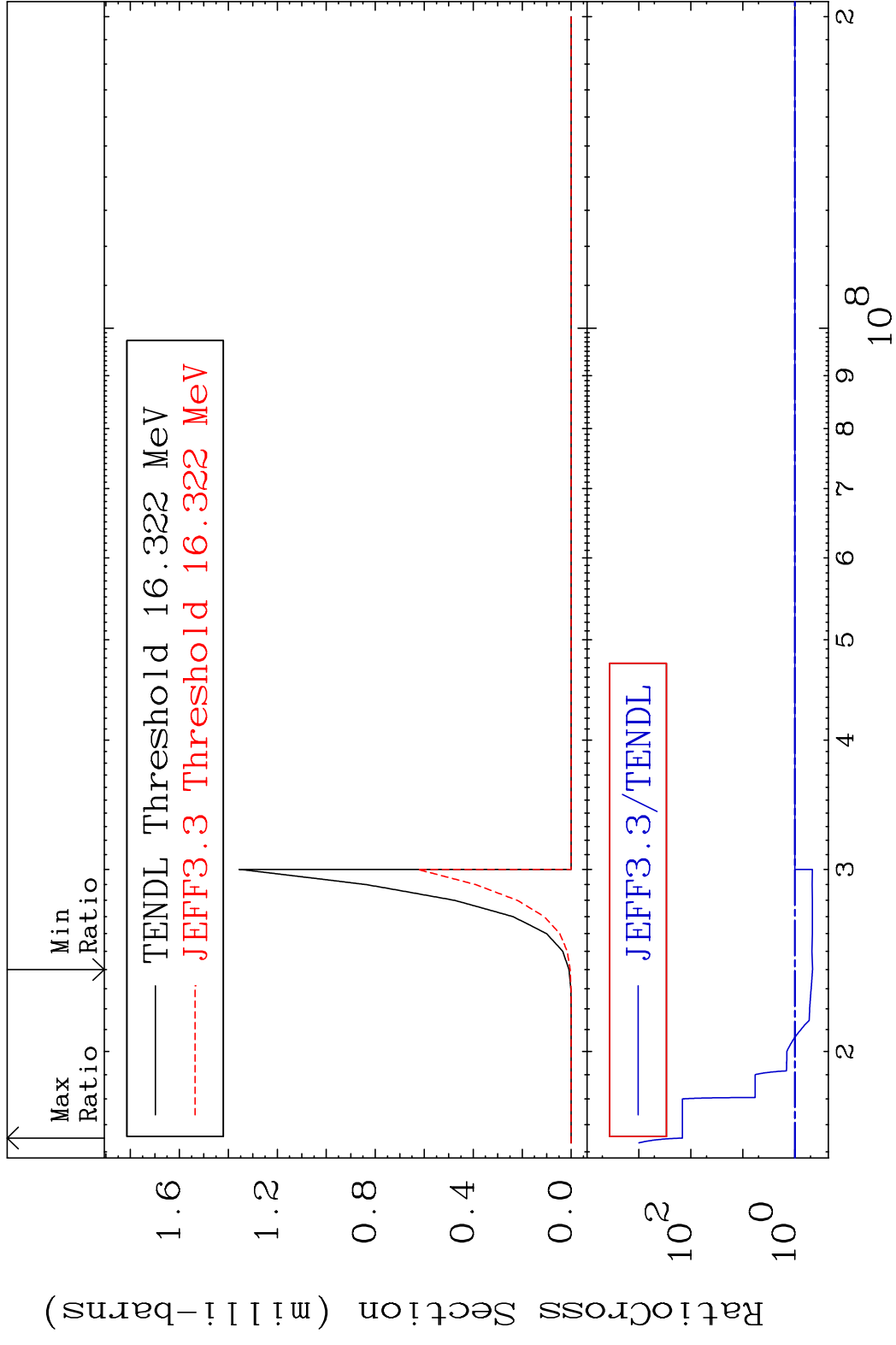


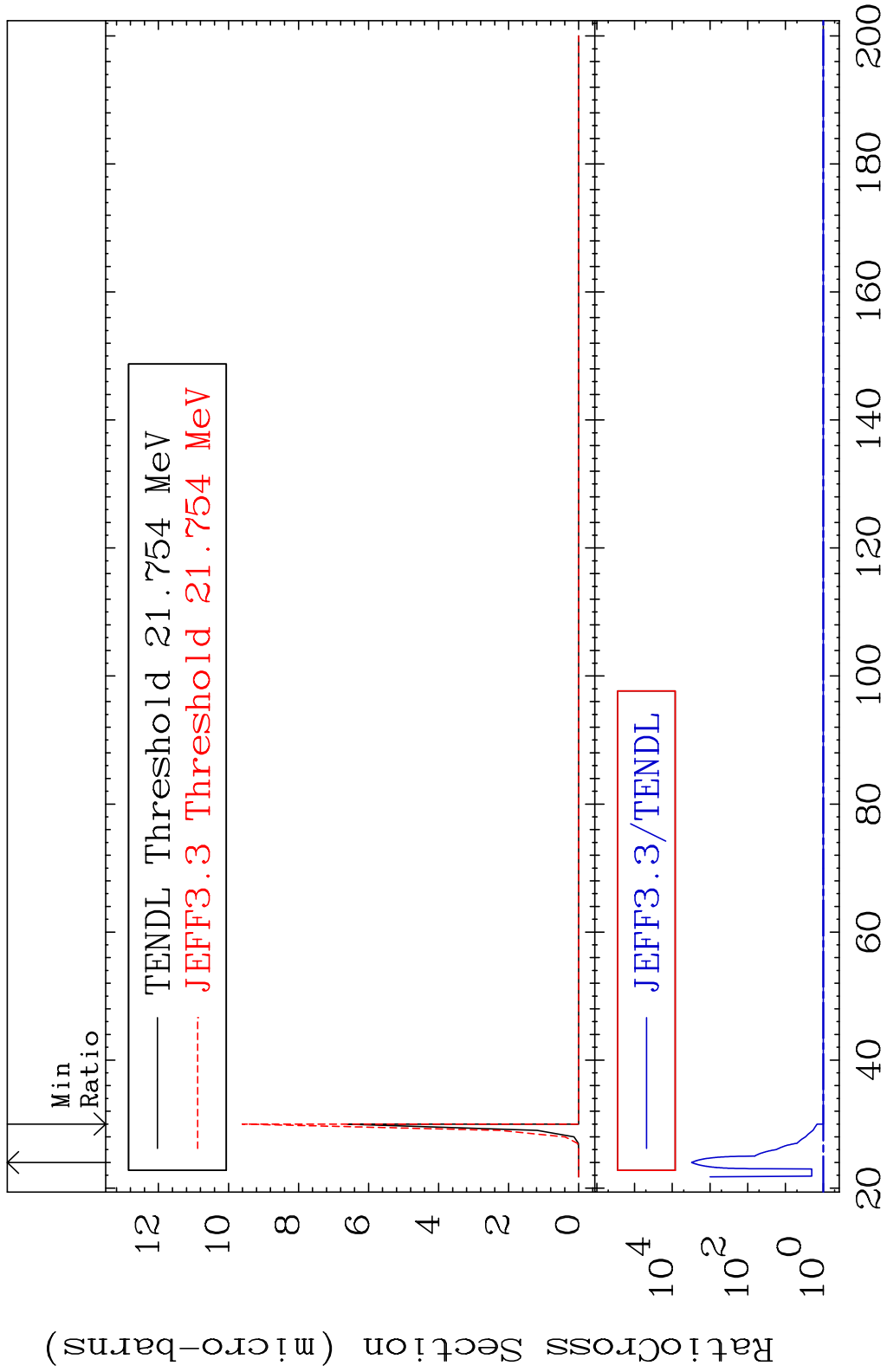


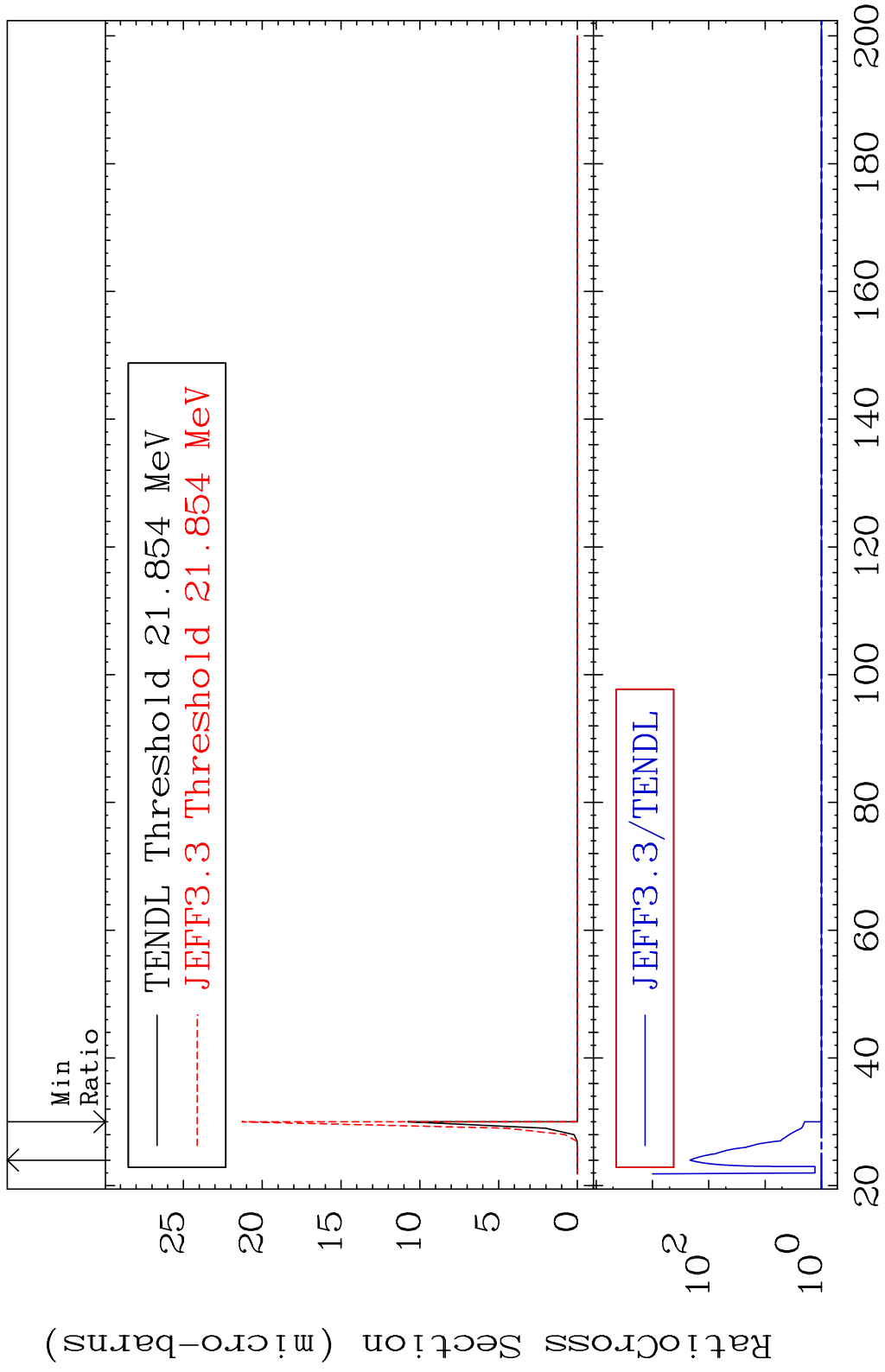


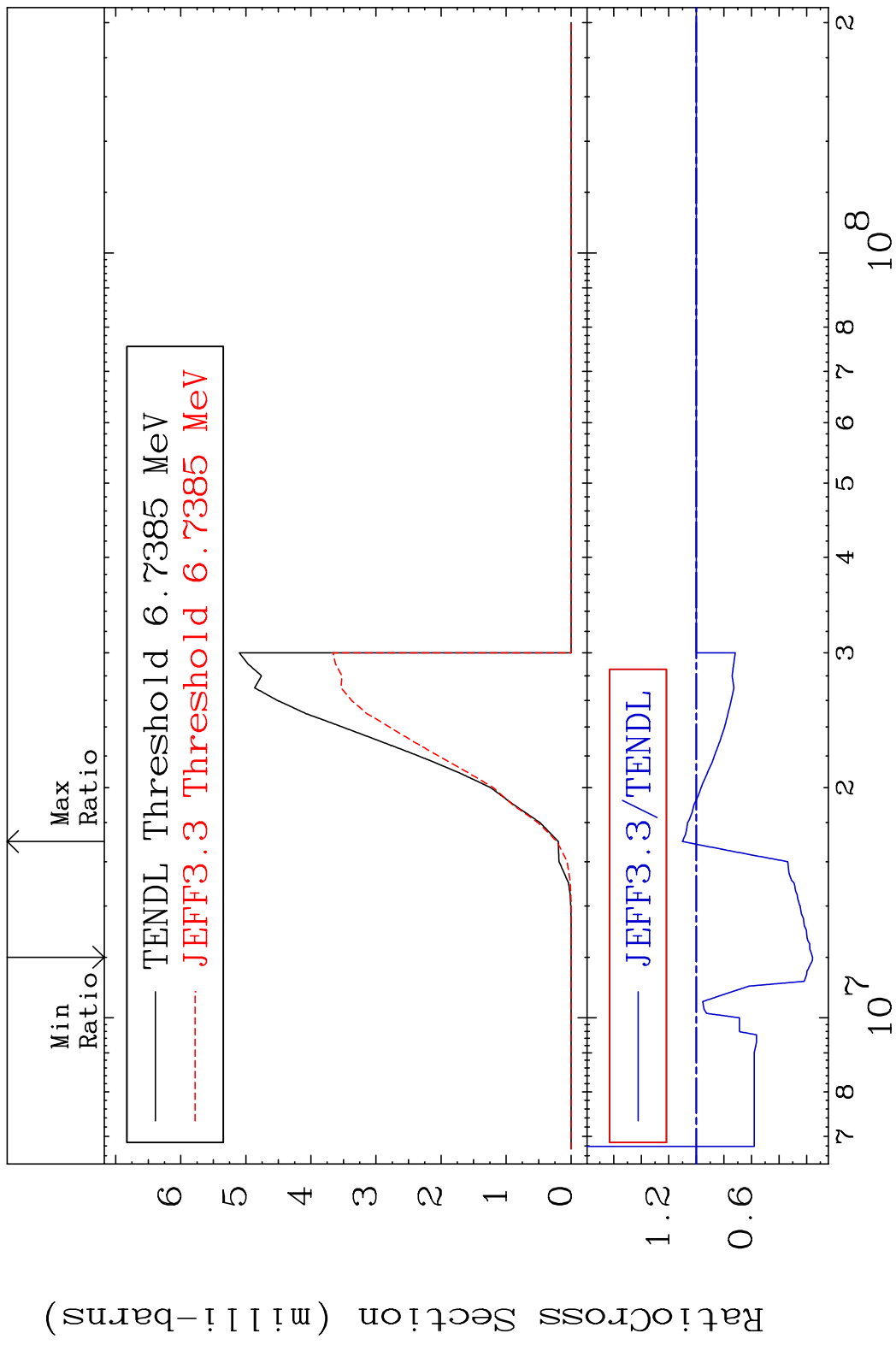












MAT 7849 (n, d): 77-Ir-197m2 78-Pt-198
 Radionuclide Production Cross Section 36.78 mb 30.29 %

