

Program Complot
(Version 2021-1)

by

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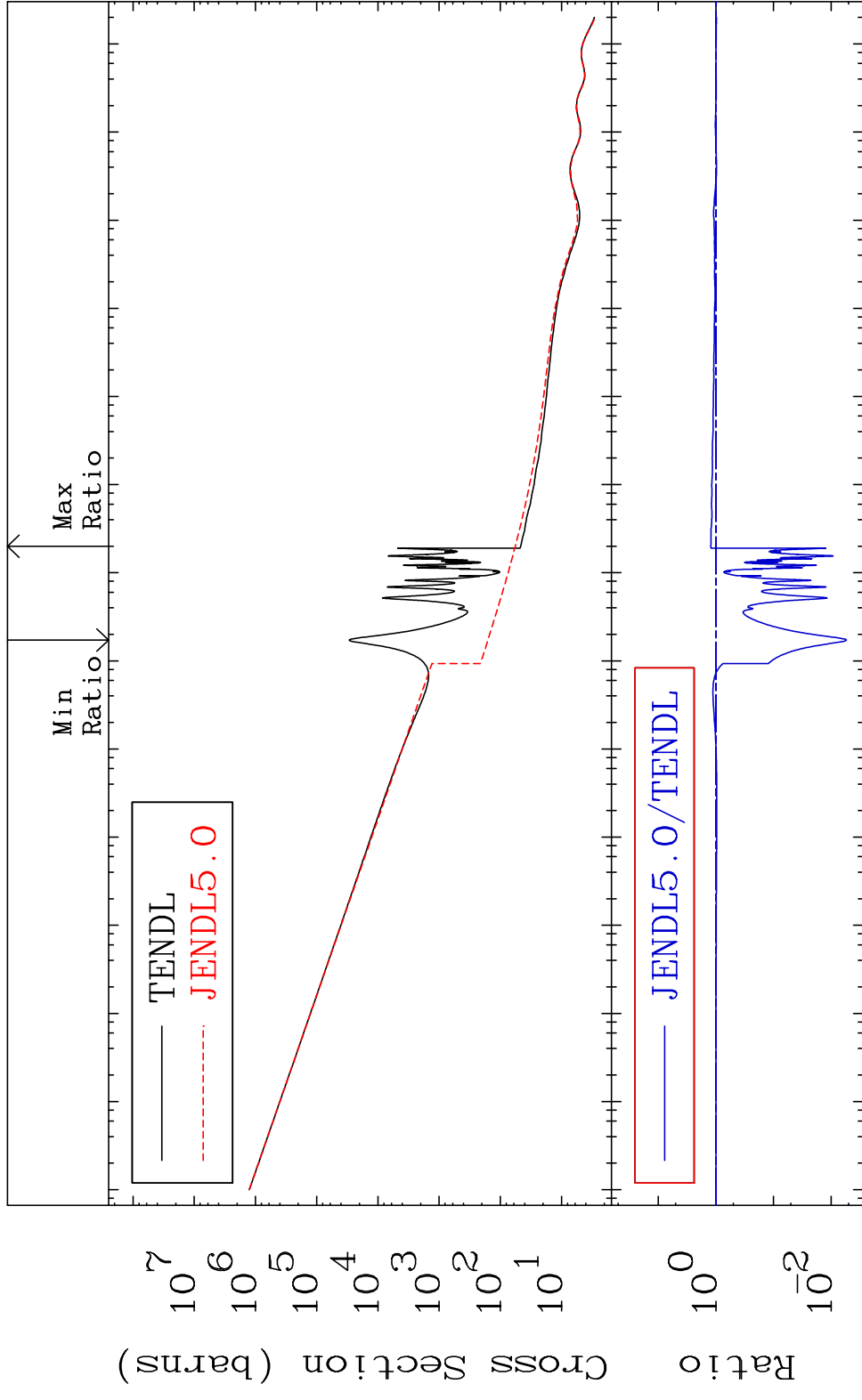
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7928

Total Cross Section -99.46 To 23.18 %

79-Au-198



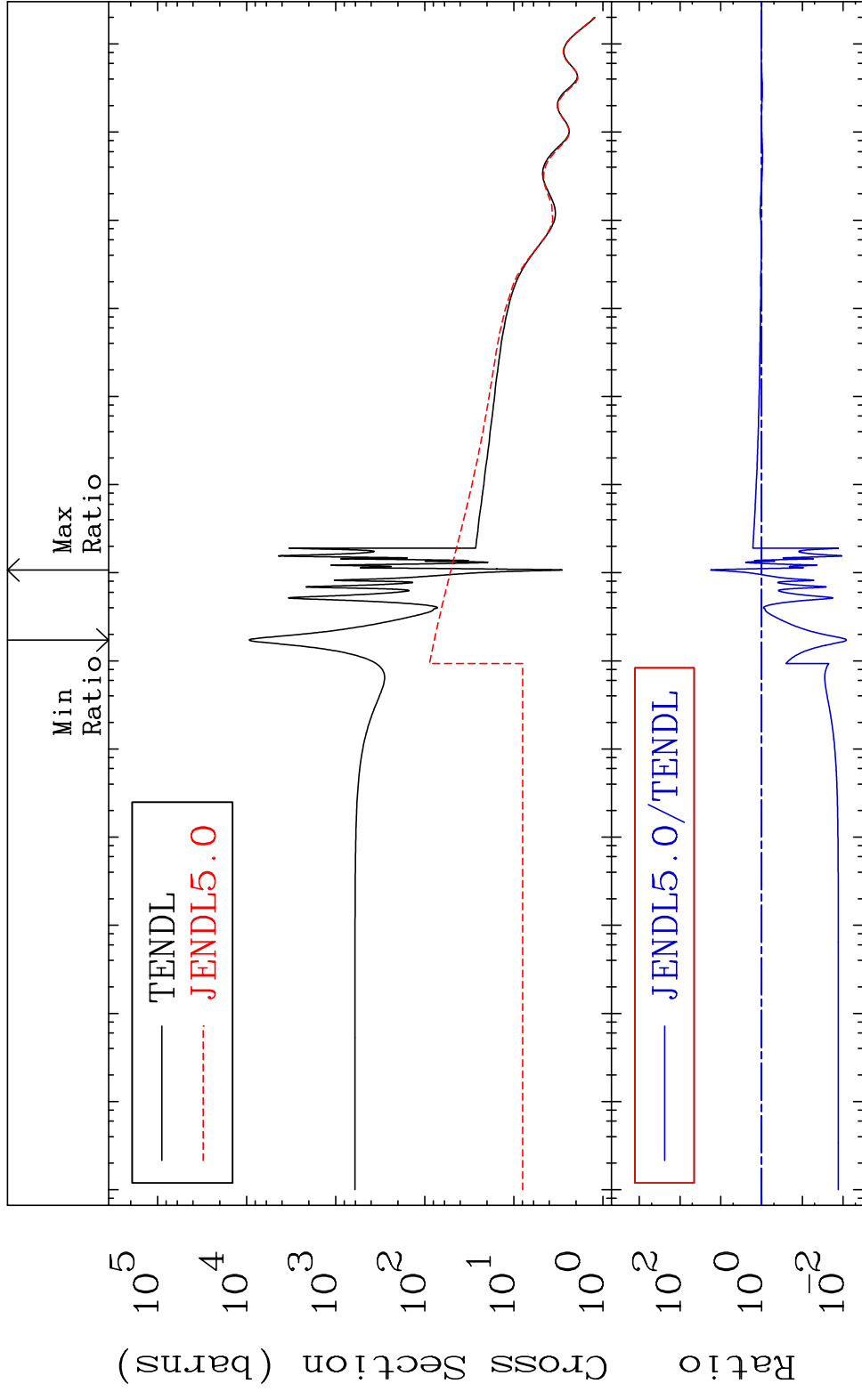
1 Incident Energy (eV) 79-Au-198

MAT 7928

79-Au-198

Elastic

Cross Section -99.16 To 1671. %

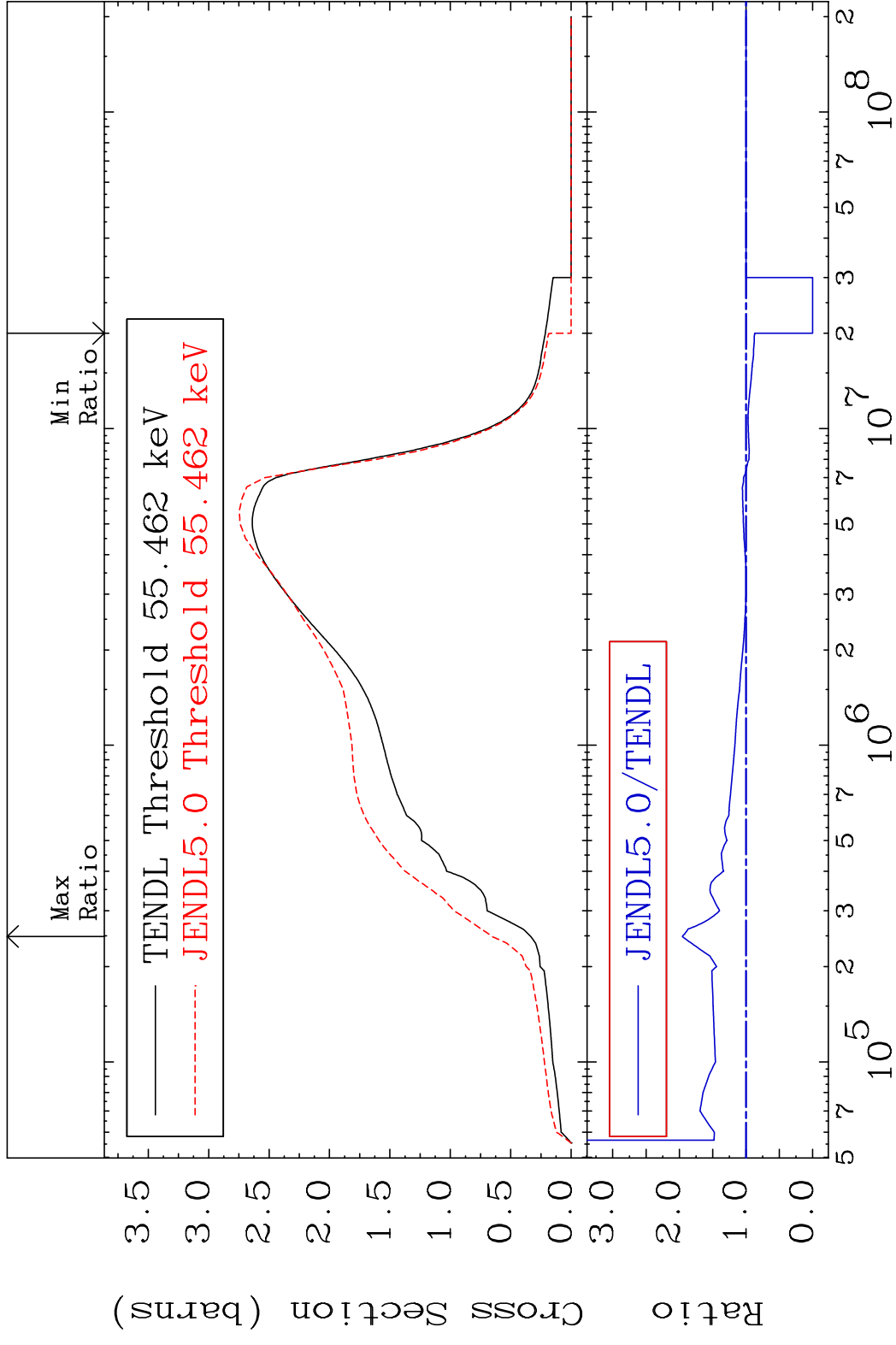


2

Incident Energy (eV)

79-Au-198

MAT 7928 Inelastic Cross Section -100.0 To 95.46 % 79-Au-198



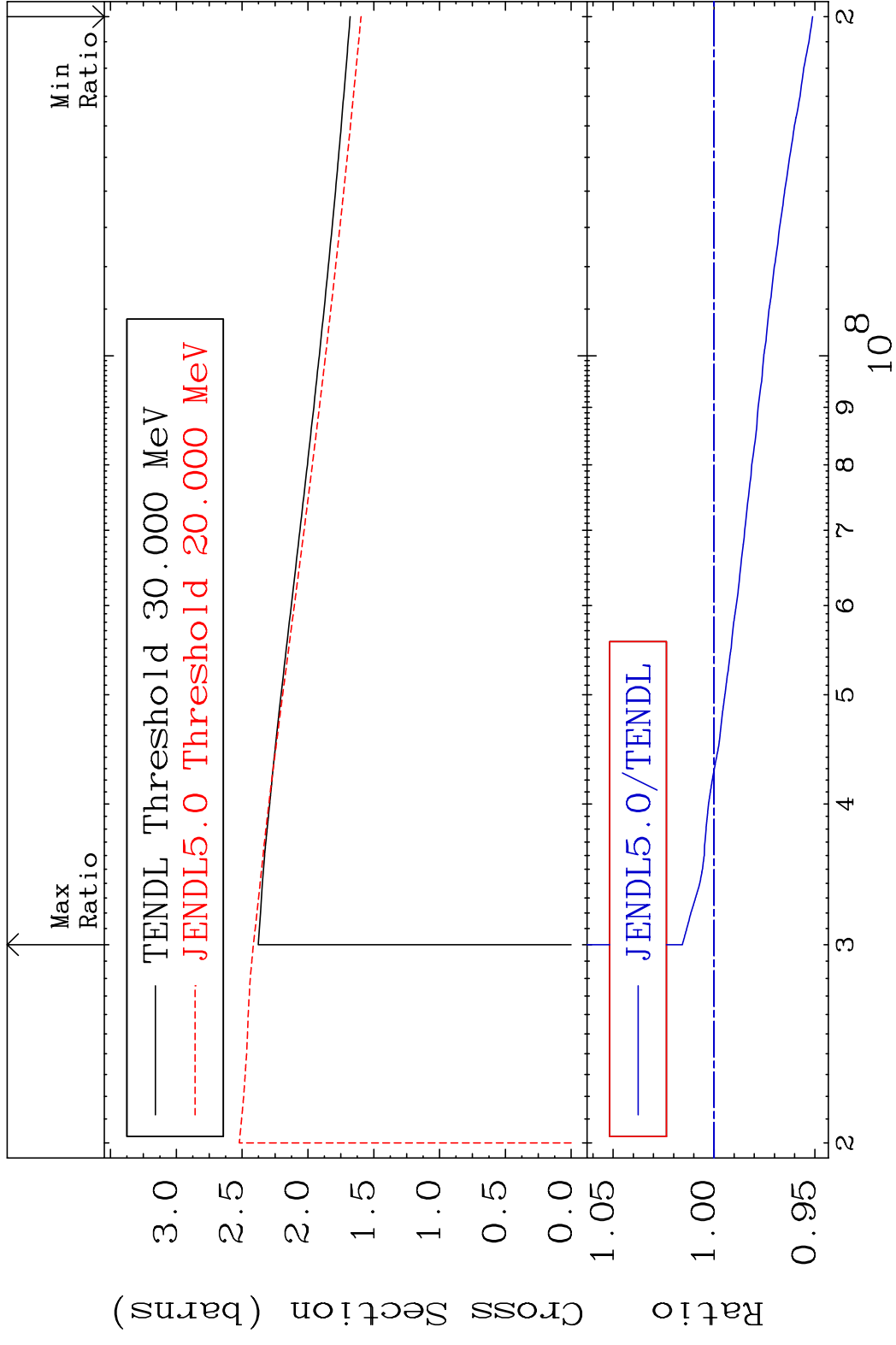
MAT 7928

(n, remainder)

79-Au-198

Cross Section

-4.889 To 1.568 %



4

Incident Energy (eV)

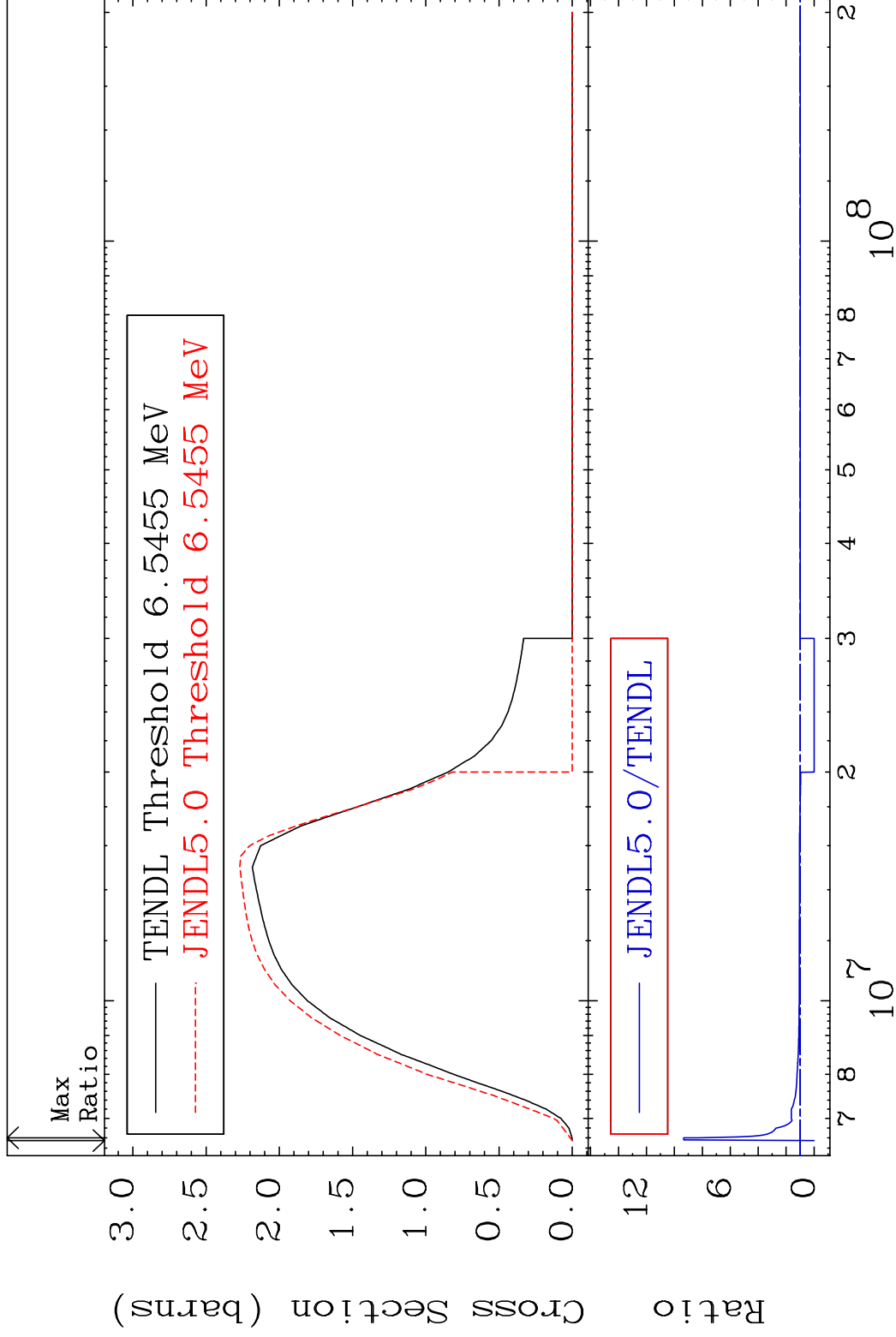
79-Au-198

MAT 7928

(n,2n)

79-Au-198

Cross Section -100.0 To 833.7 %



5

Incident Energy (eV)

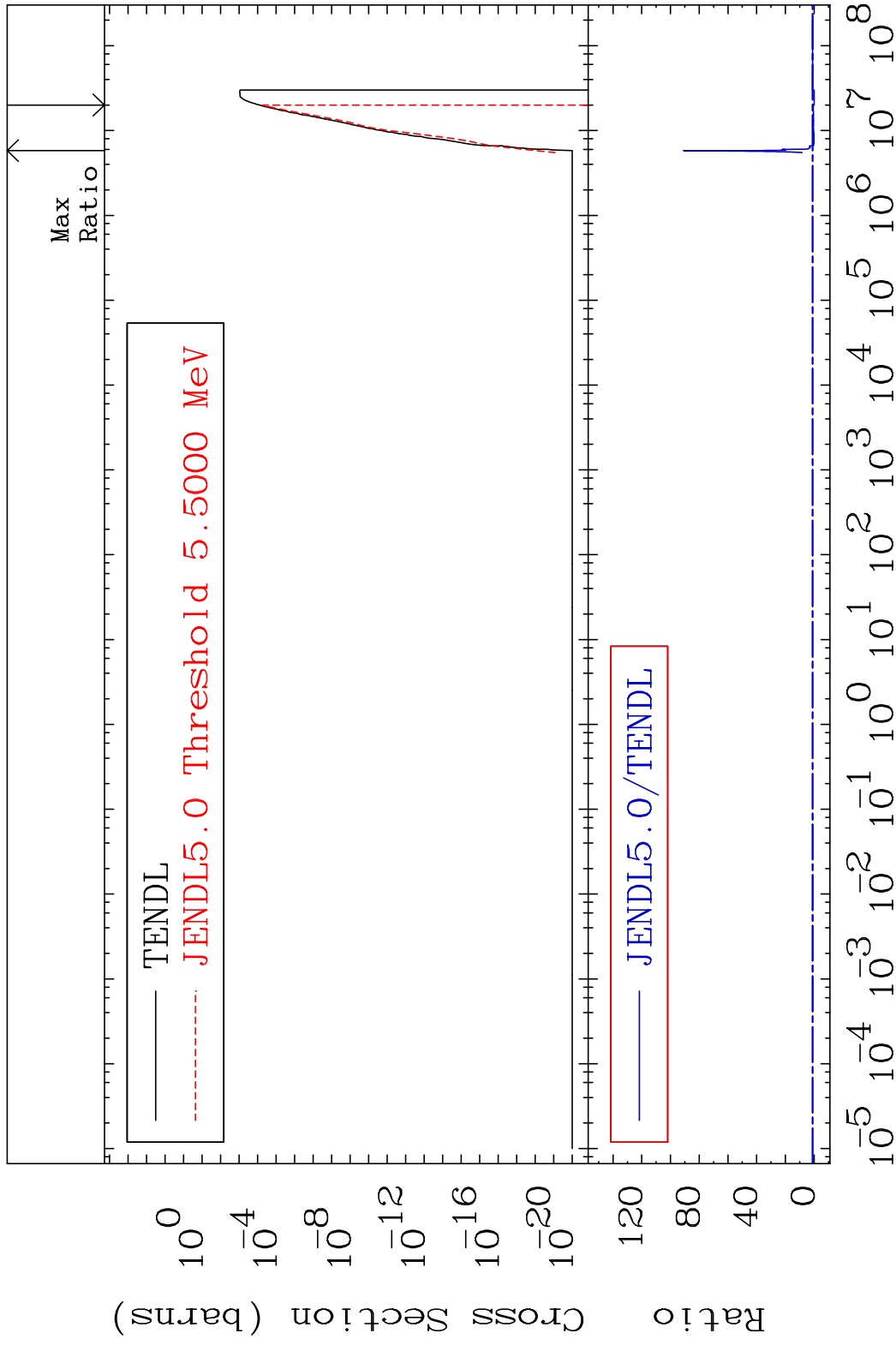
79-Au-198

MAT 7928

(n, n') α

79-Au-198

Cross Section -100.0 To 8982. %

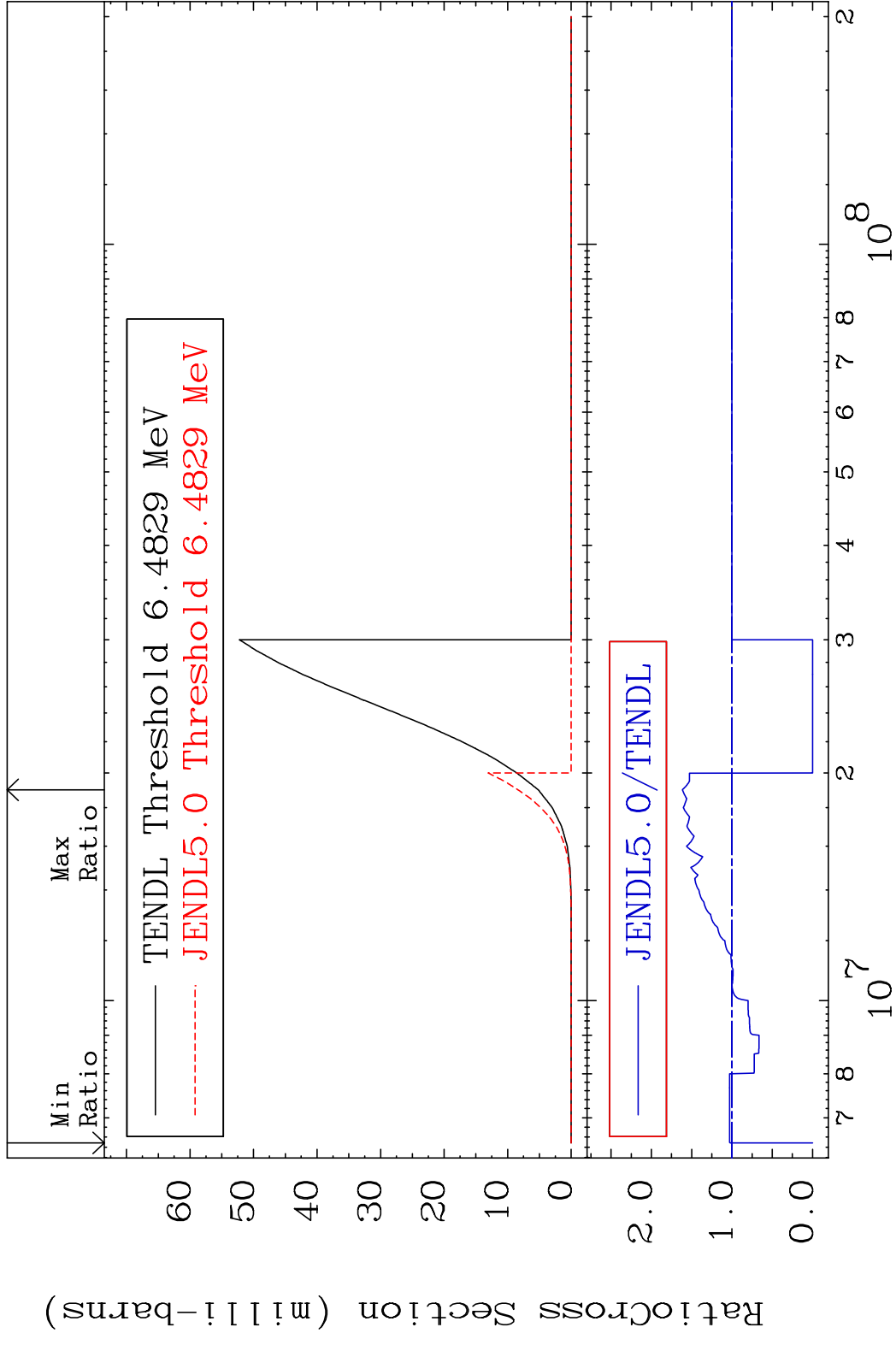


7

Incident Energy (eV)

79-Au-198

MAT 7928 (n, n') p 79-Au-198
 Cross Section -100.0 To 61.55 %

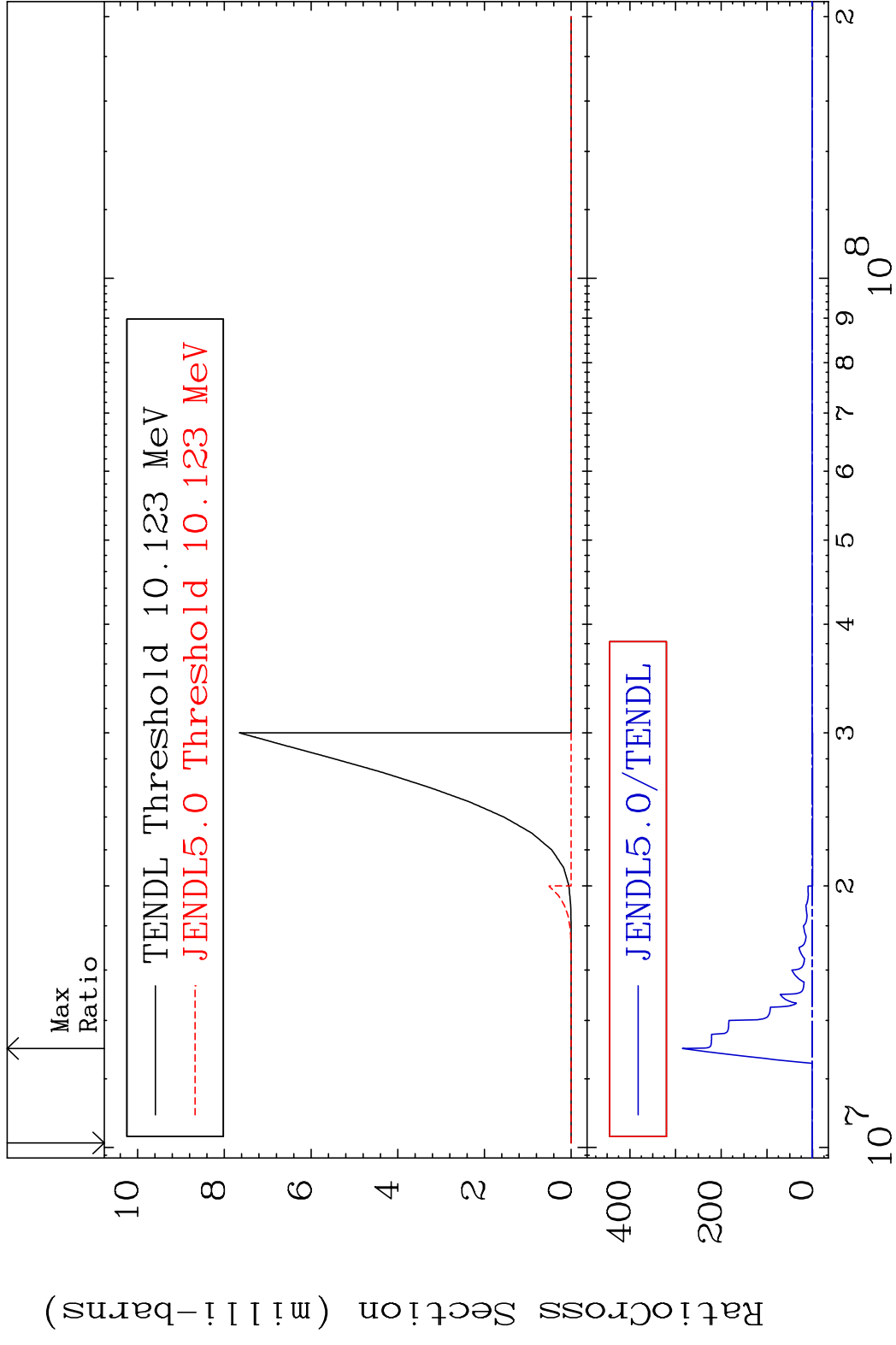


MAT 7928

(n, n') d

79-Au-198

Cross Section -100.0 To 9999. %

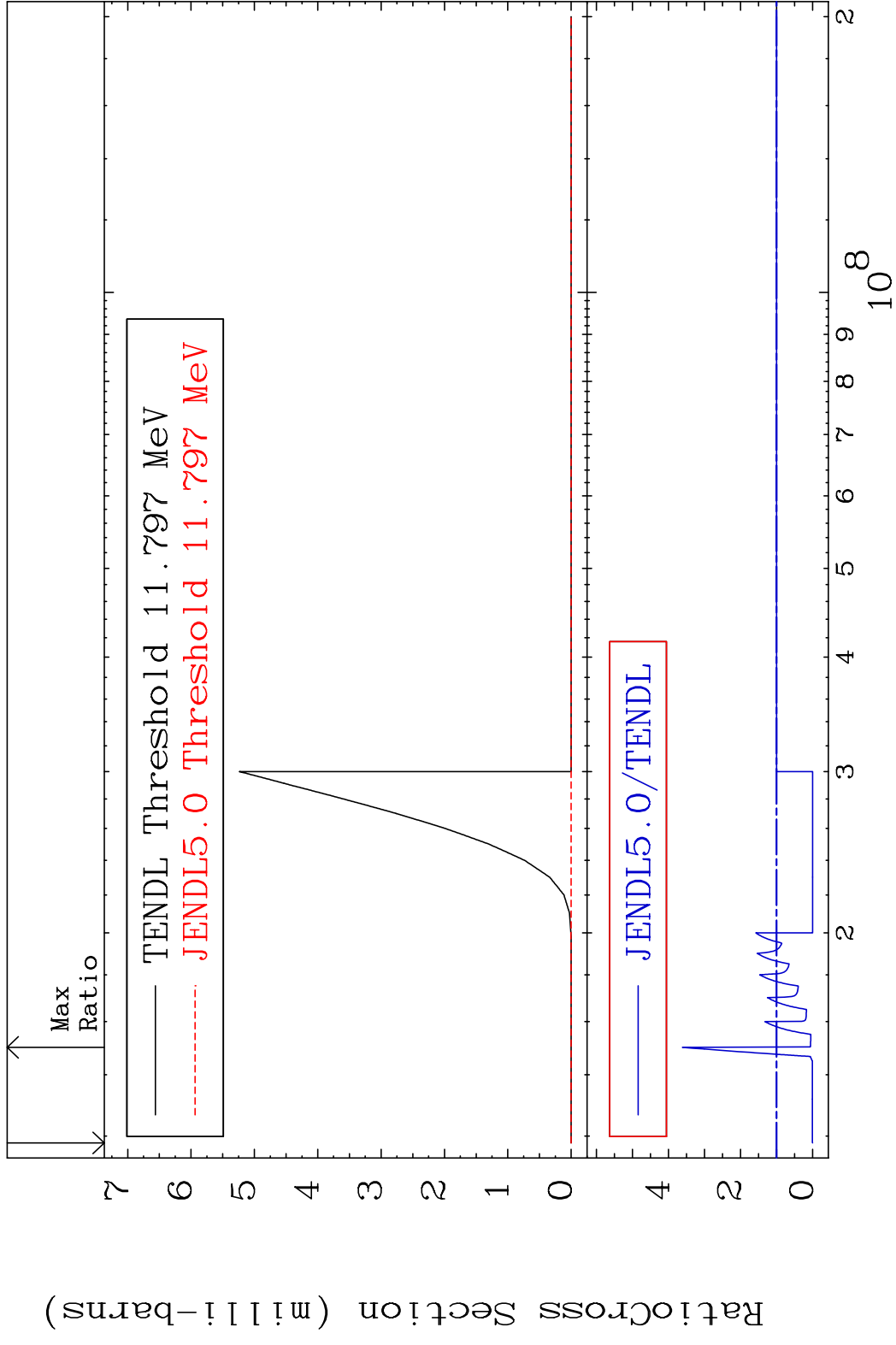


9

Incident Energy (eV)

79-Au-198

MAT 7928 (n, n') t 79-Au-198
 Cross Section -100.0 To 261.6 %

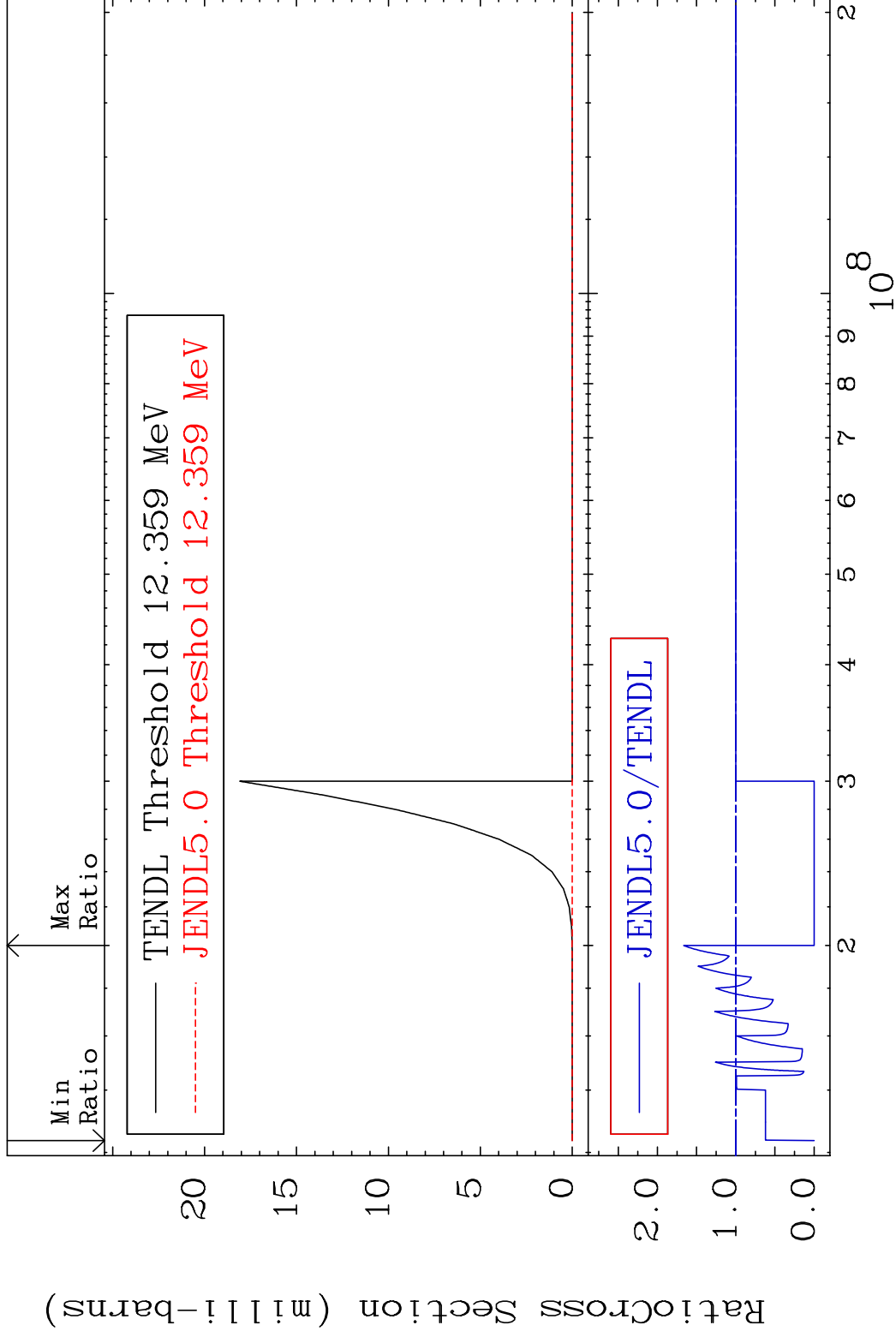


MAT 7928

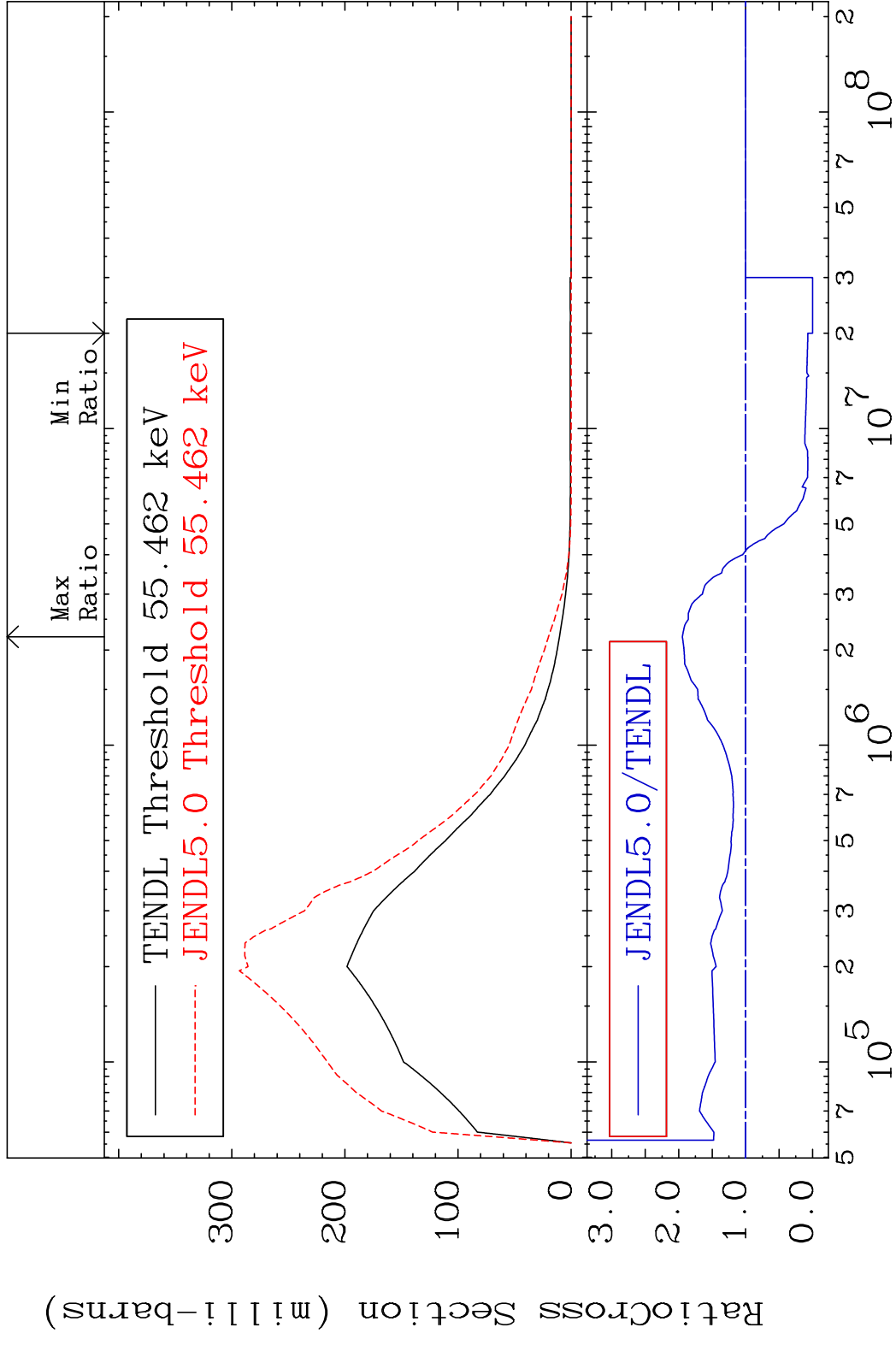
(n,2n) p

79-Au-198

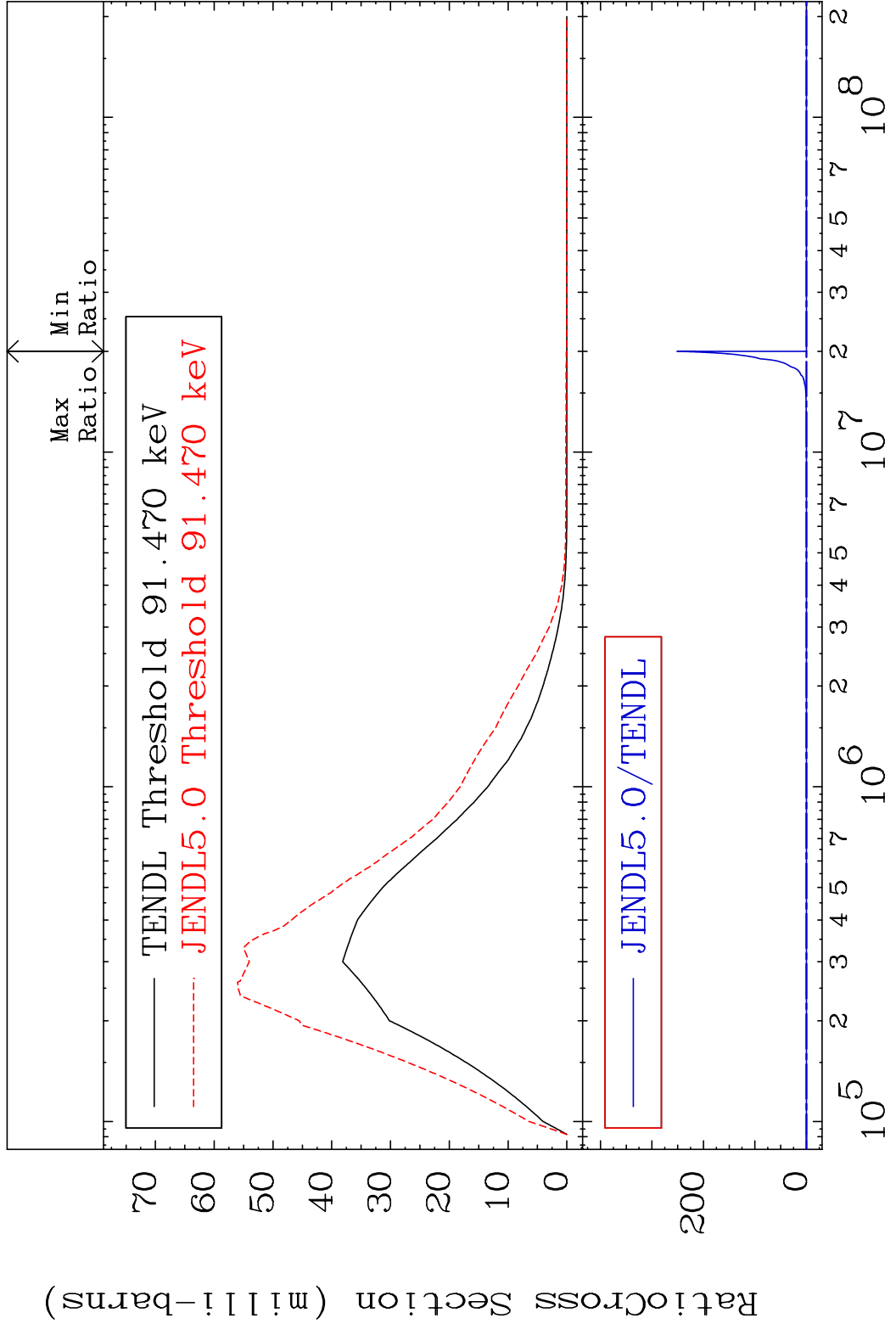
Cross Section -100.0 To 66.52 %



MAT 7928 MT= 51 (n, n') Level 79-Au-198
 Cross Section -100.0 To 94.56 %

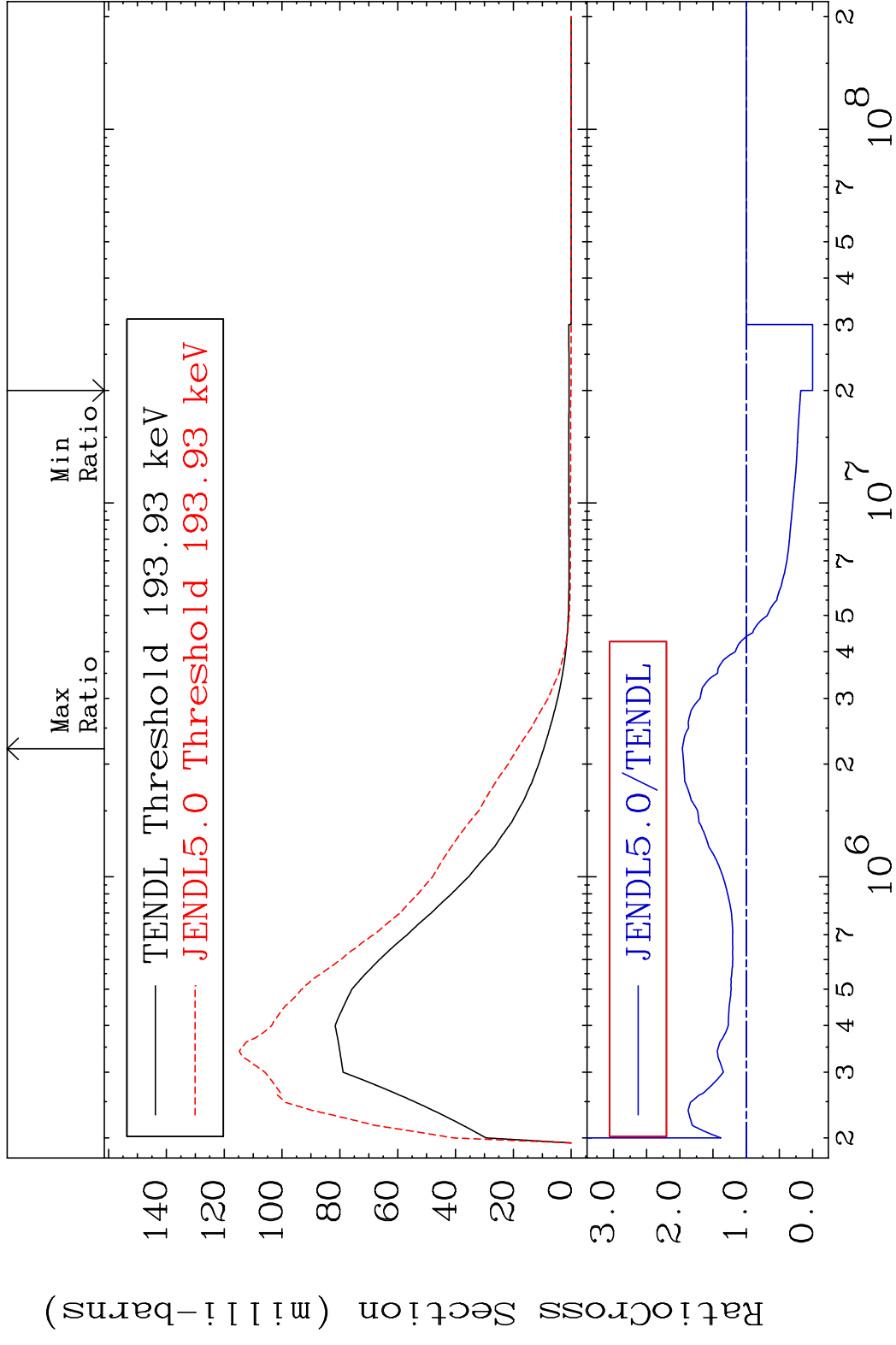


MAT 7928 MT= 52 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %

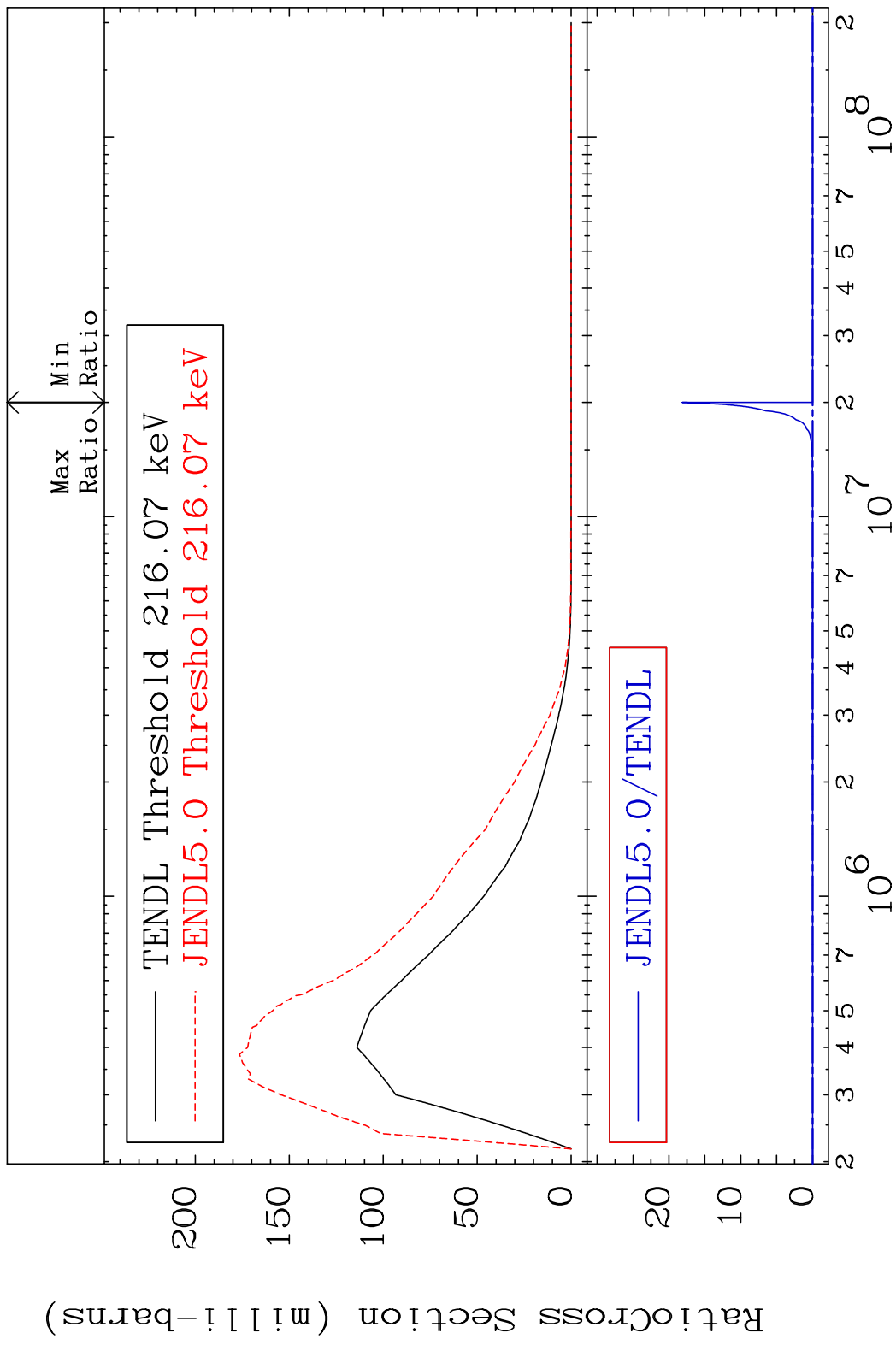


13 Incident Energy (eV) 79-Au-198

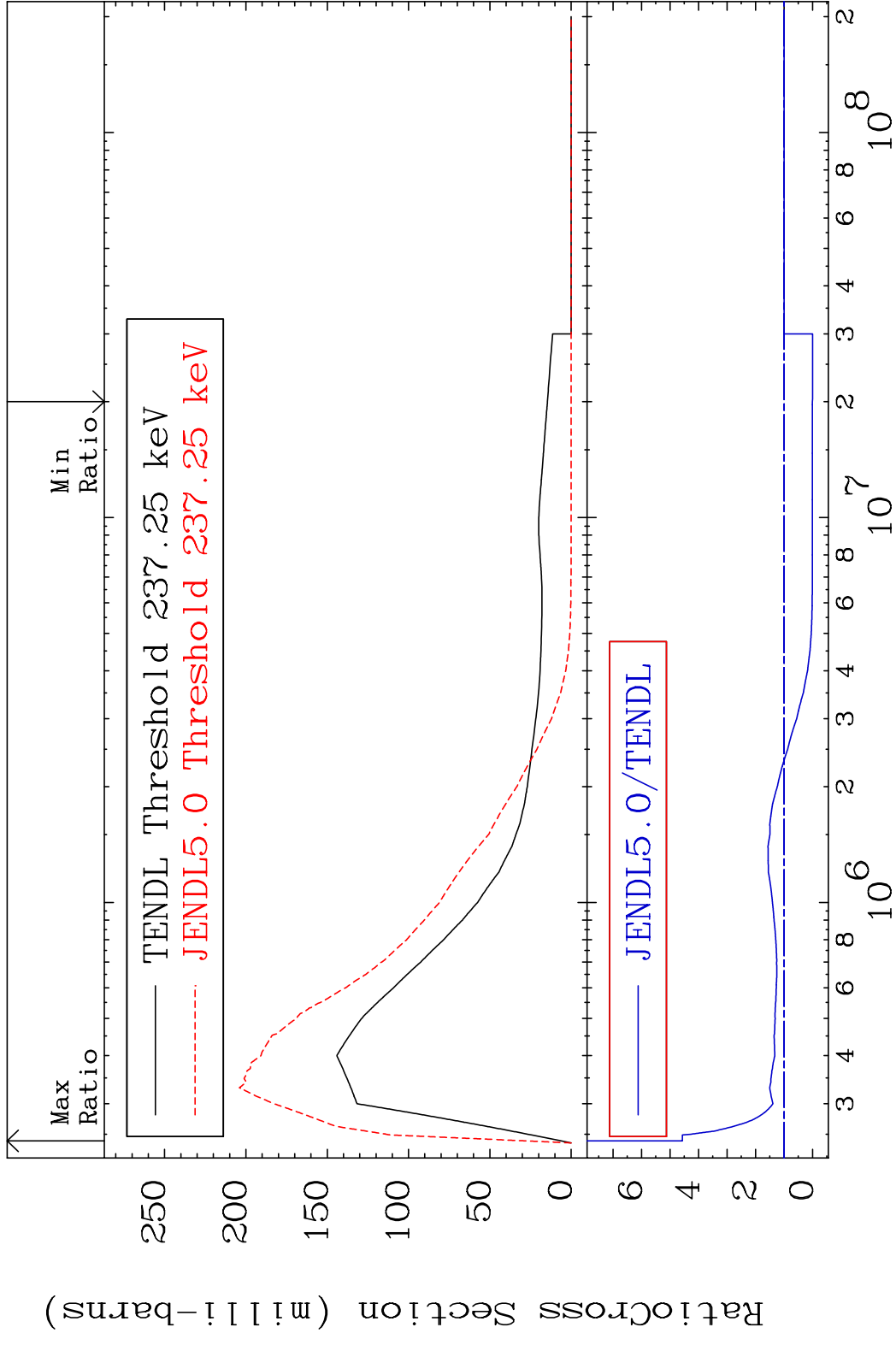
MAT 7928 MT= 53 (n, n') Level 79-Au-198
 Cross Section -100.0 To 96.24 %



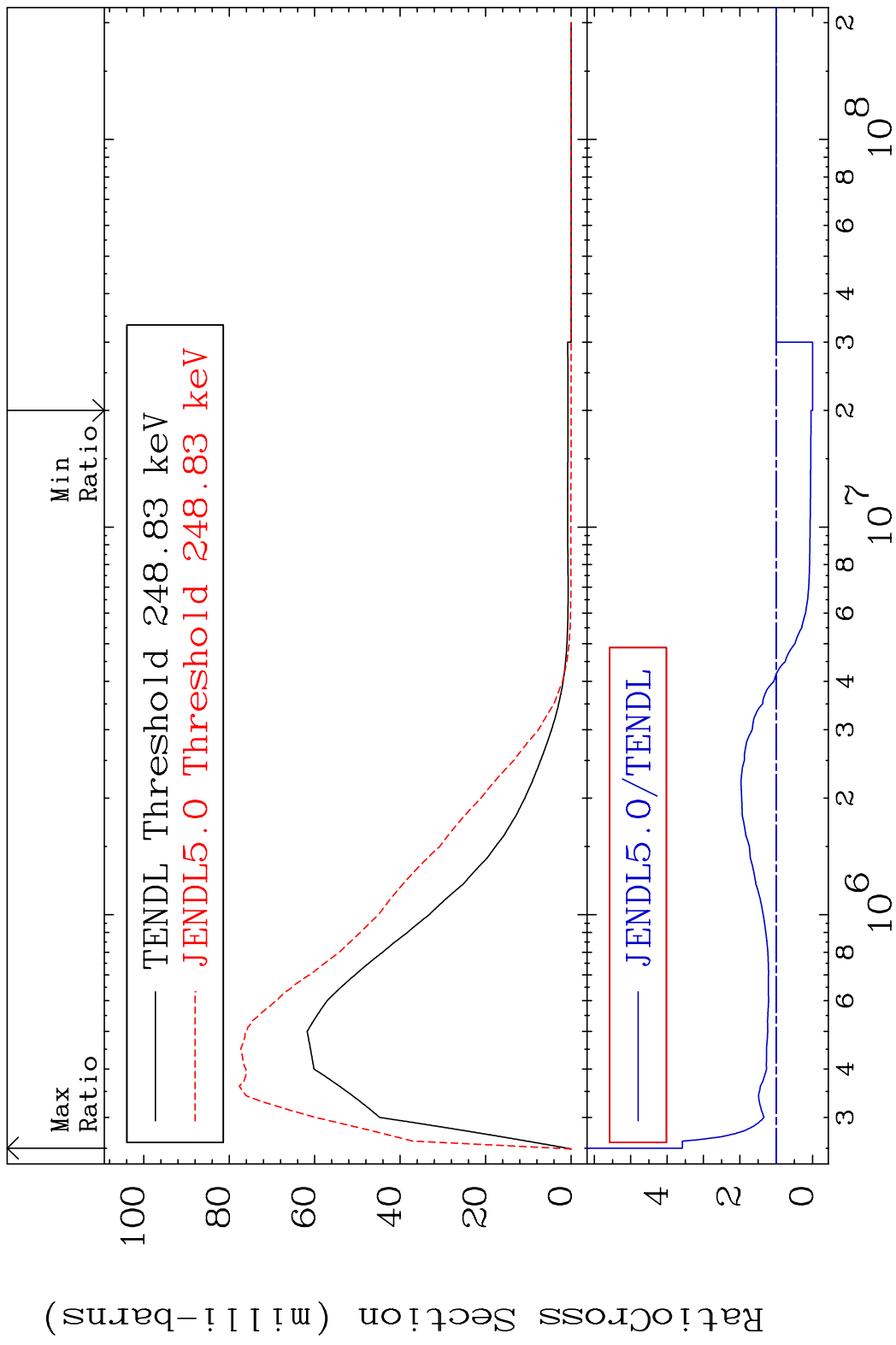
MAT 7928 MT= 54 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



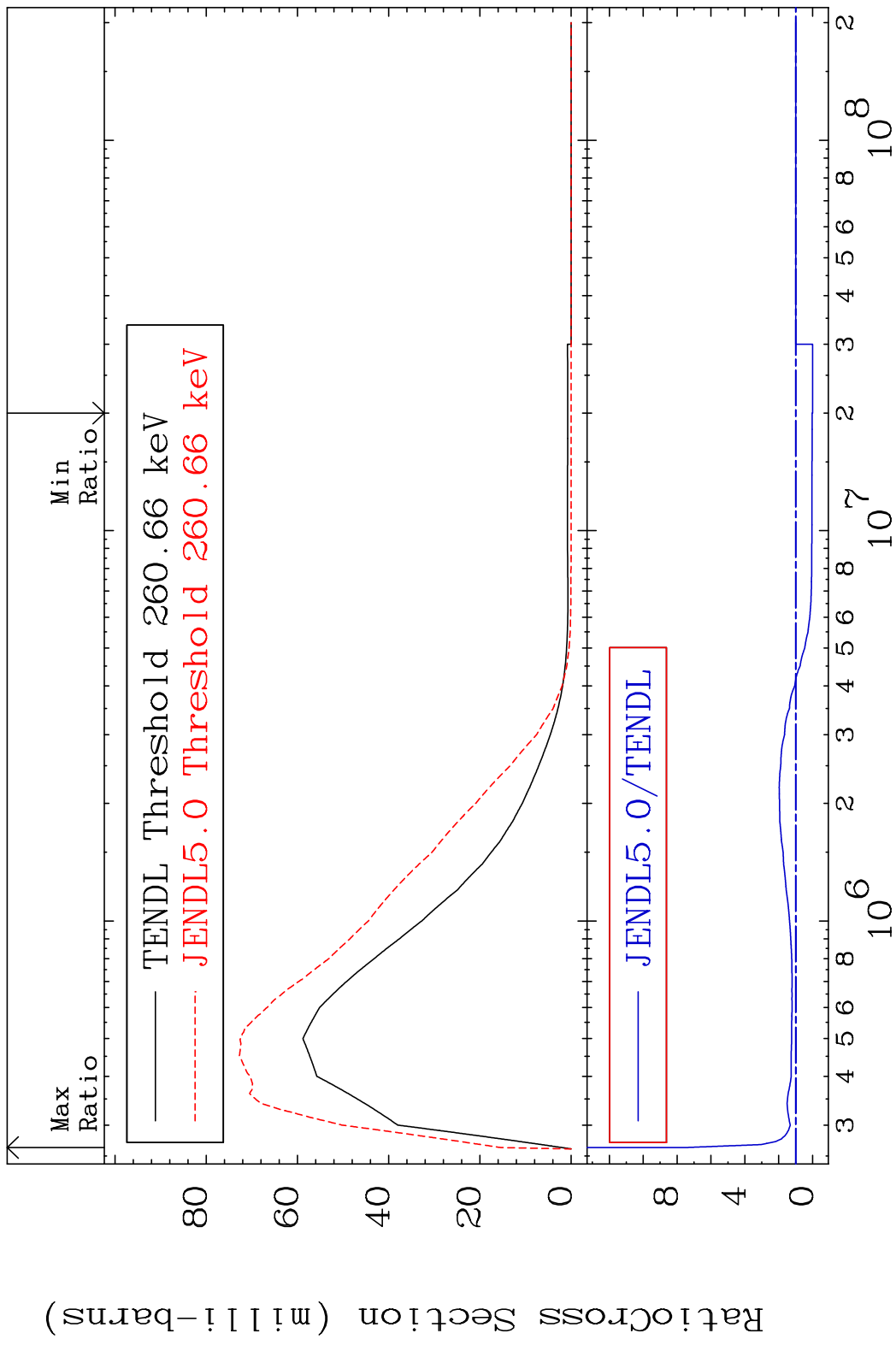
MAT 7928 MT= 55 (n,n') Level 79-Au-198
 Cross Section -100.0 To 356.8 %



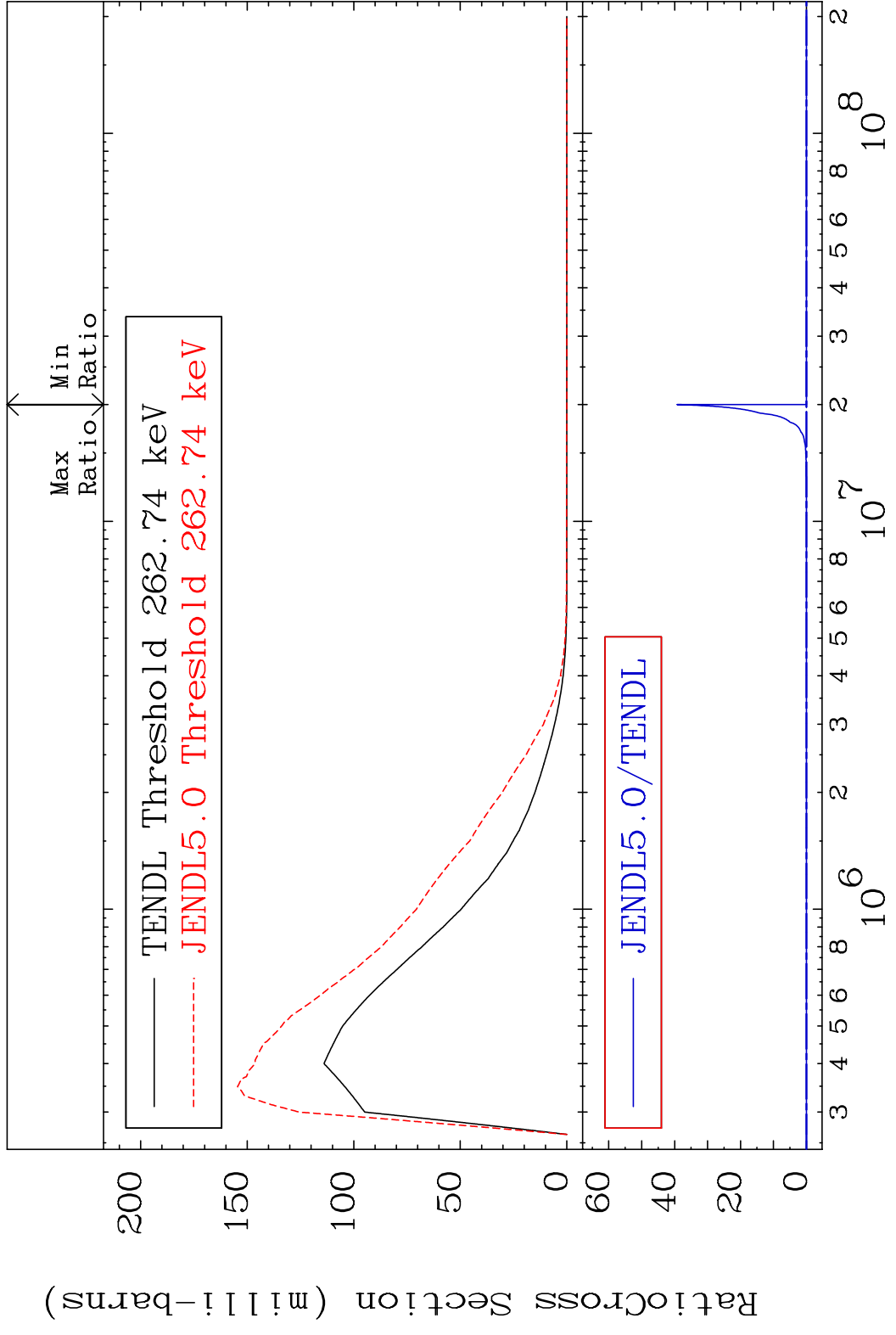
MAT 7928 MT= 56 (n,n') Level 79-Au-198
 Cross Section -100.0 To 258.0 %



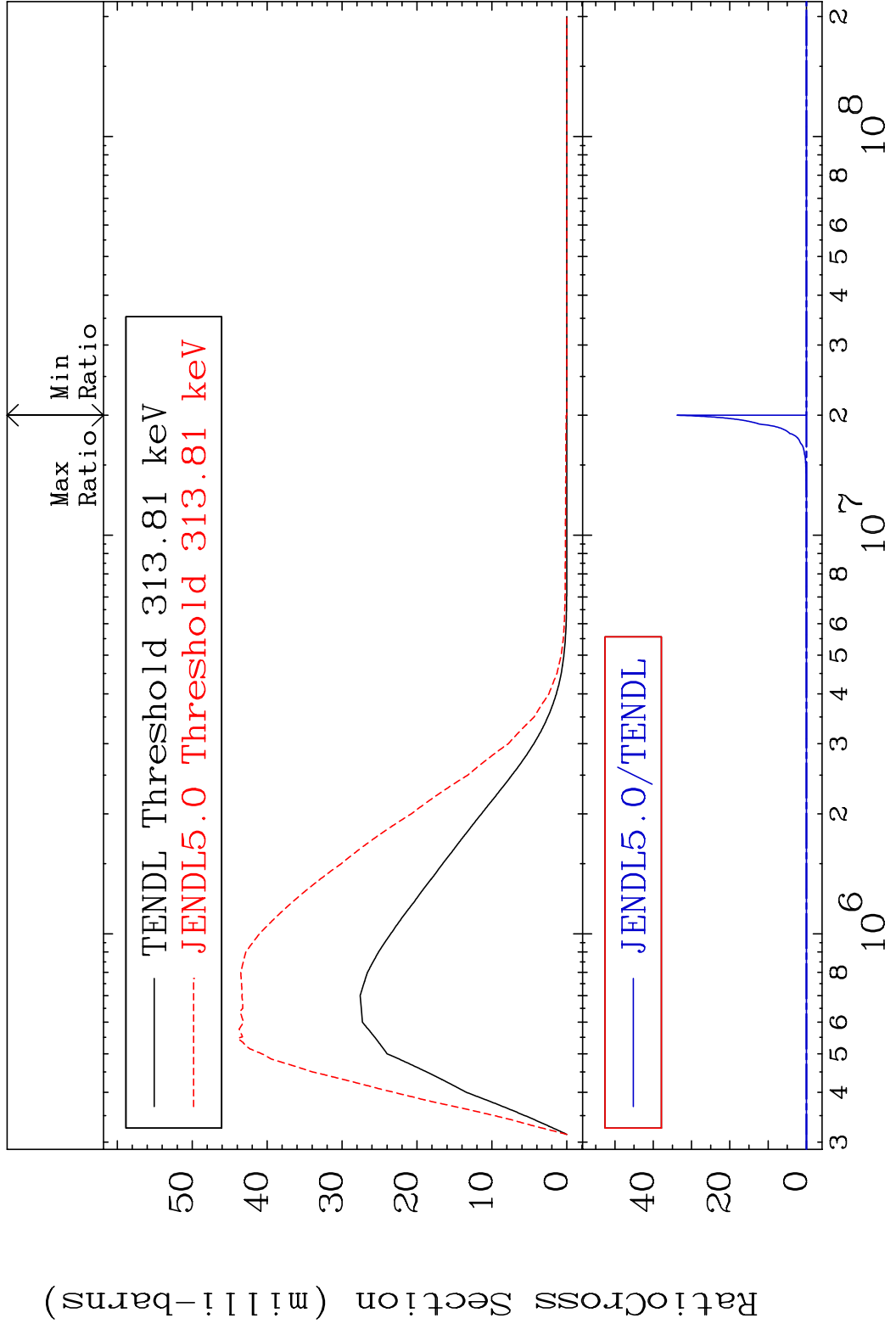
MAT 7928 MT= 57 (n,n') Level 79-Au-198
 Cross Section -100.0 To 668.9 %



MAT 7928 MT= 58 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %

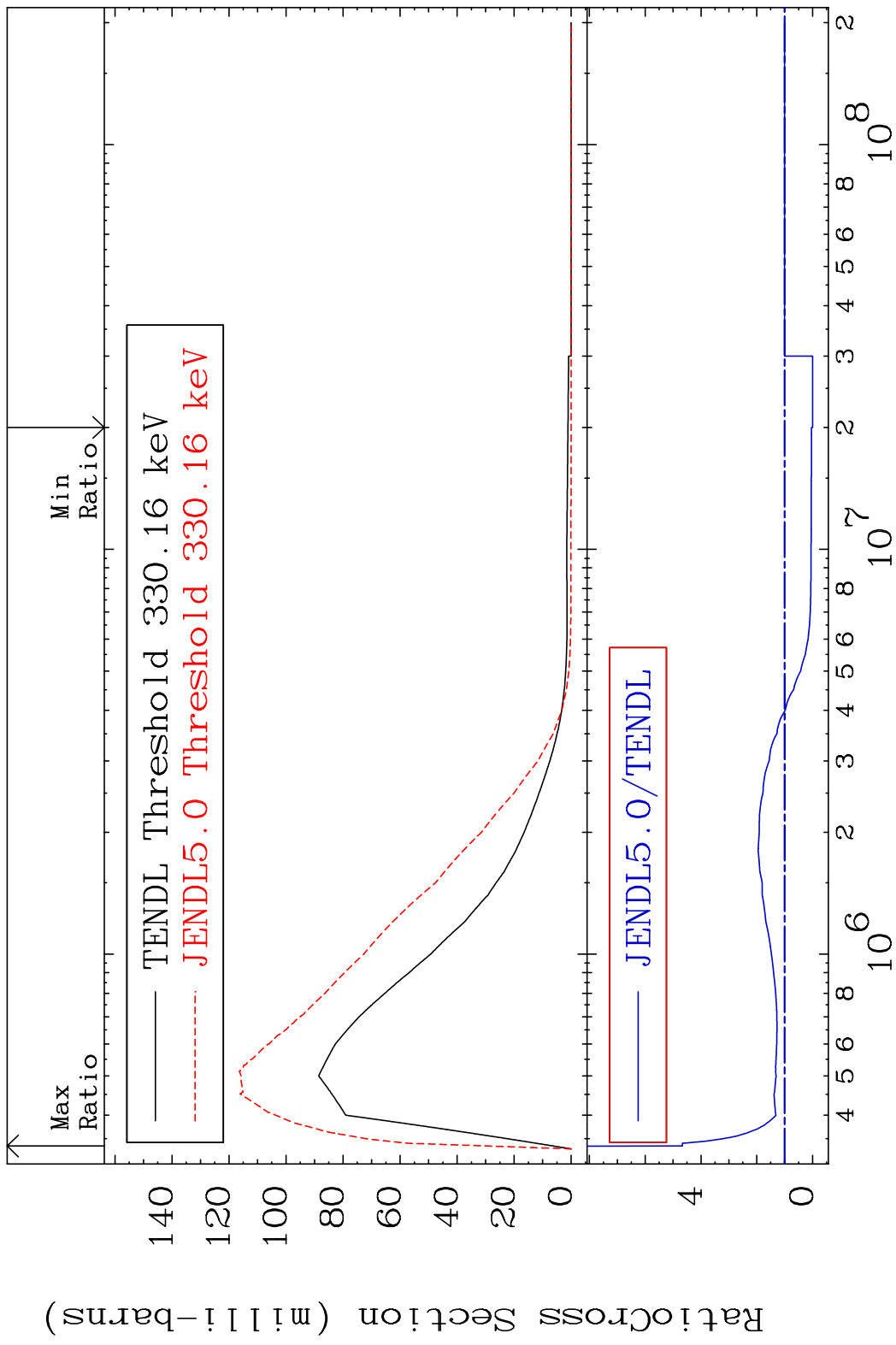


MAT 7928 MT= 59 (n, n') Level 79-Au-198
 Cross Section -100.0 To 9999. %

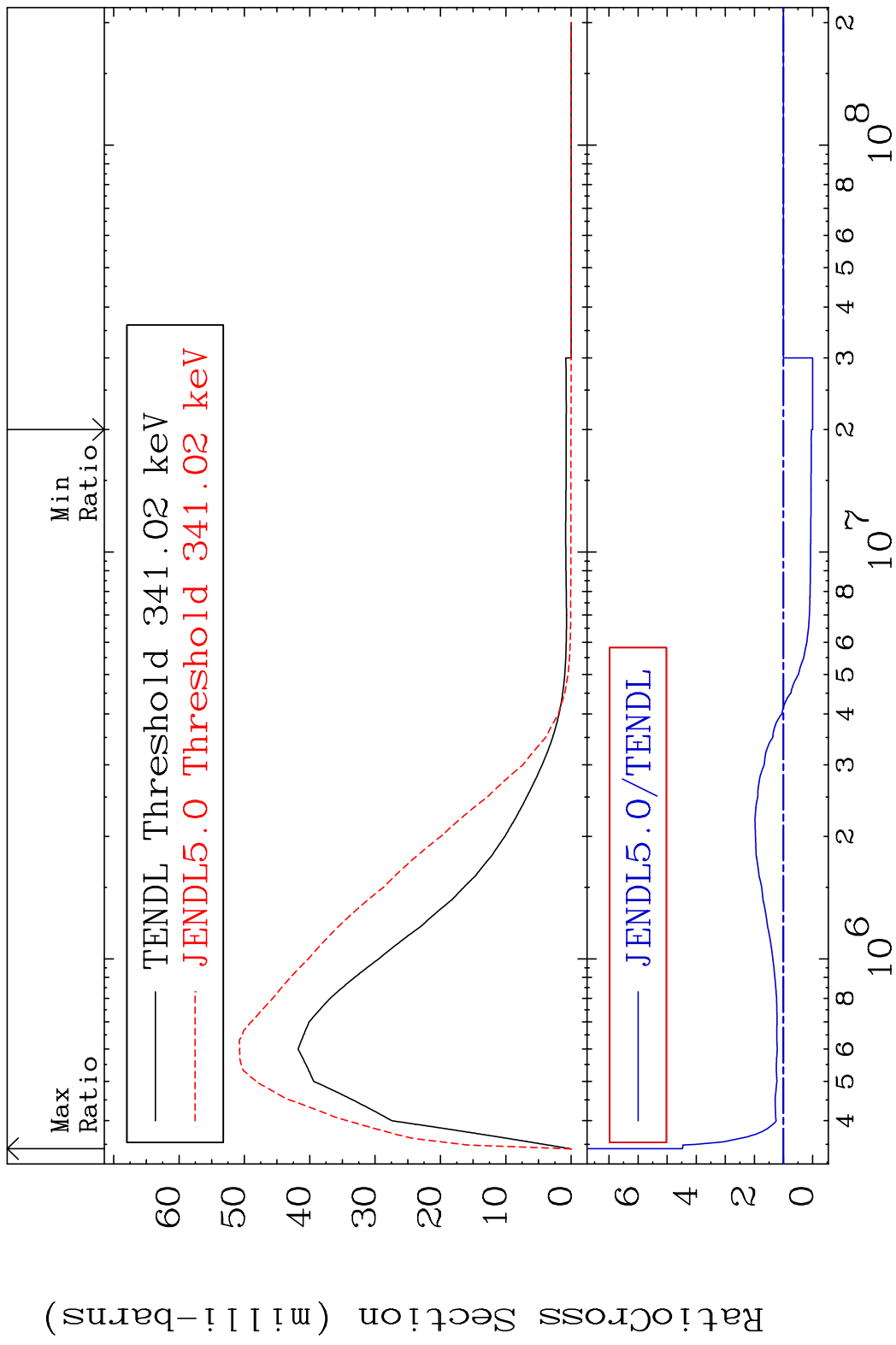


20 Incident Energy (eV) 79-Au-198

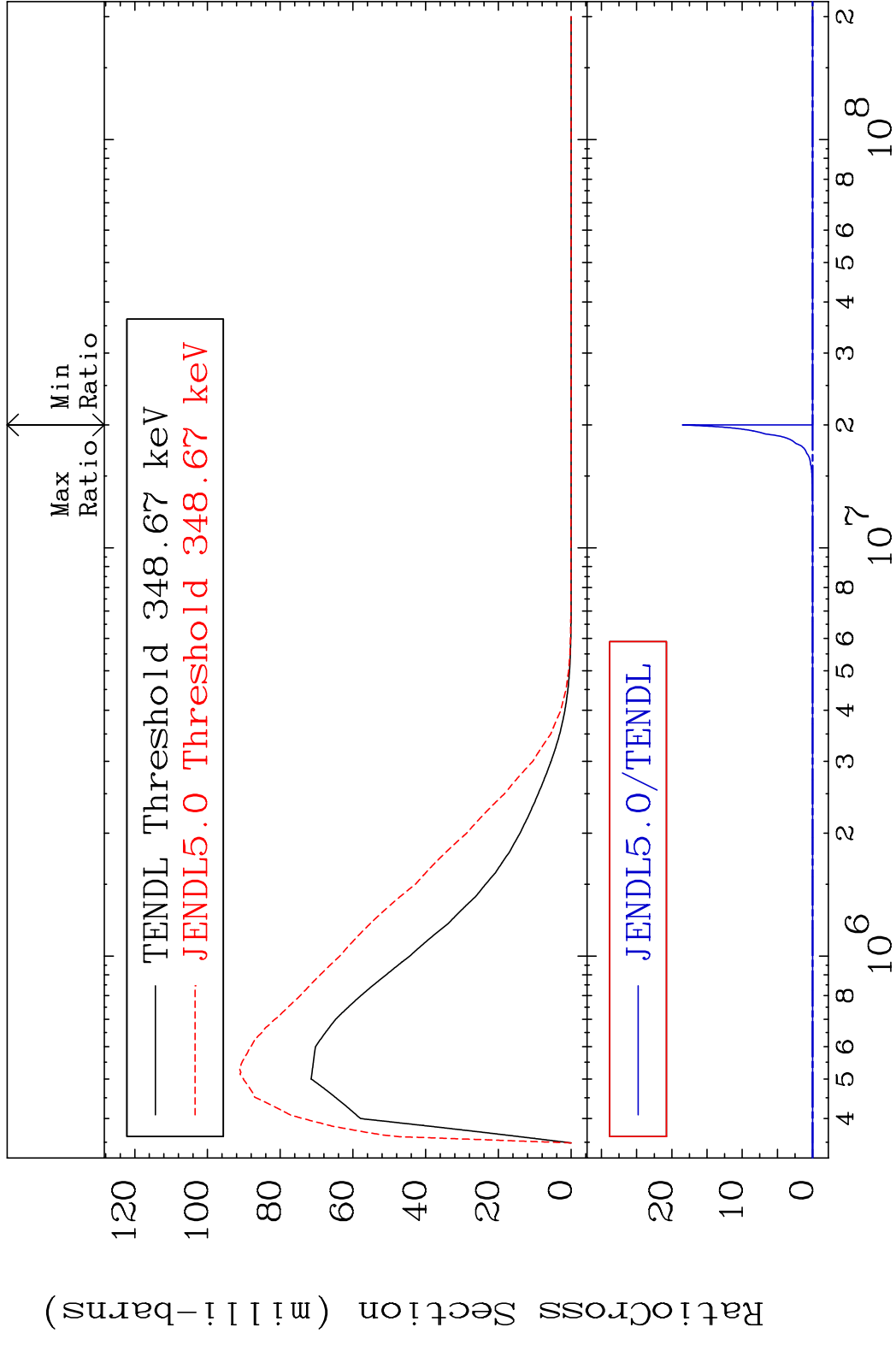
MAT 7928 MT= 60 (n, n') Level 79-Au-198
 Cross Section -100.0 To 366.8 %



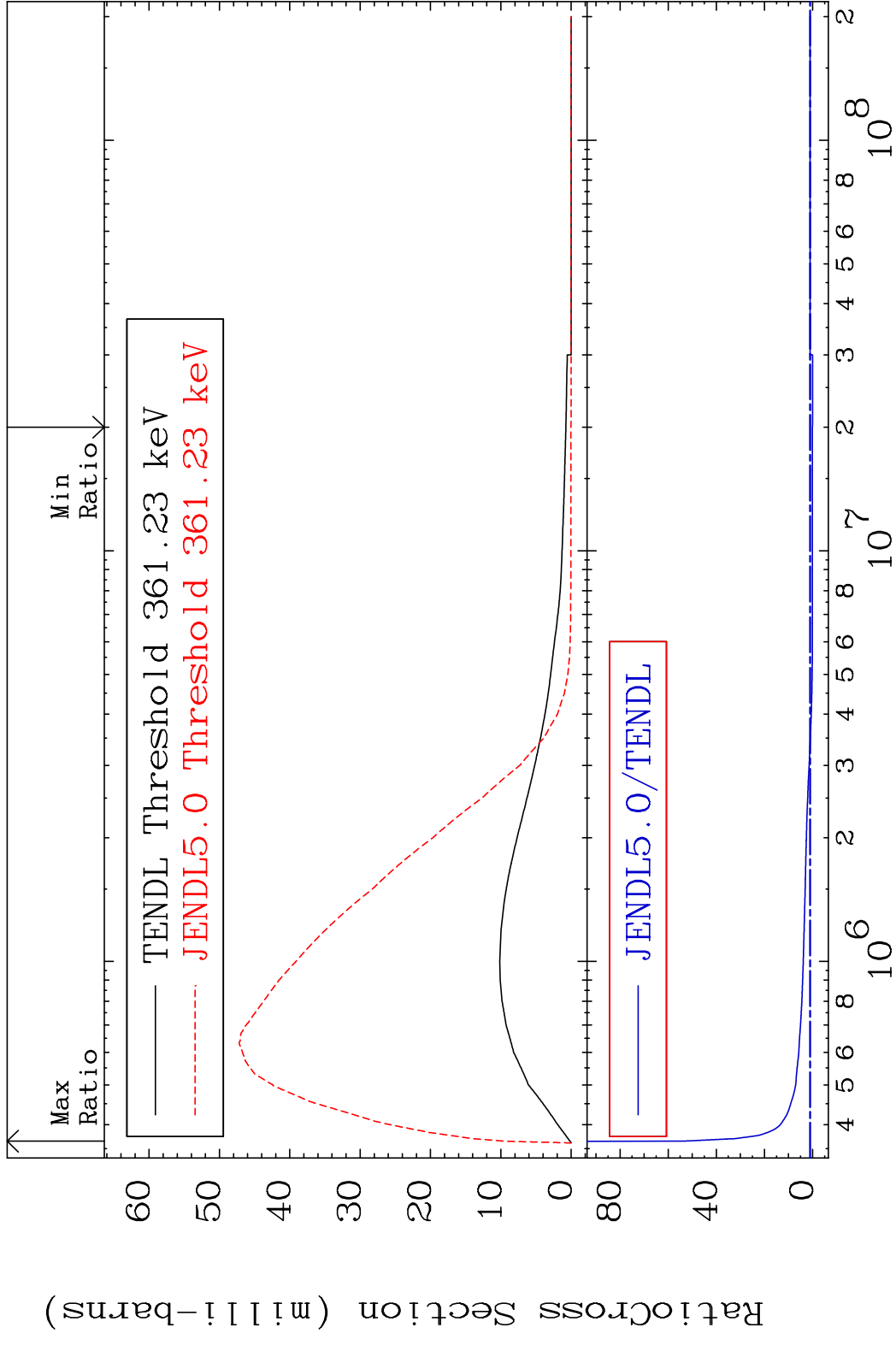
MAT 7928 MT= 61 (n, n') Level 79-Au-198
 Cross Section -100.0 To 347.8 %



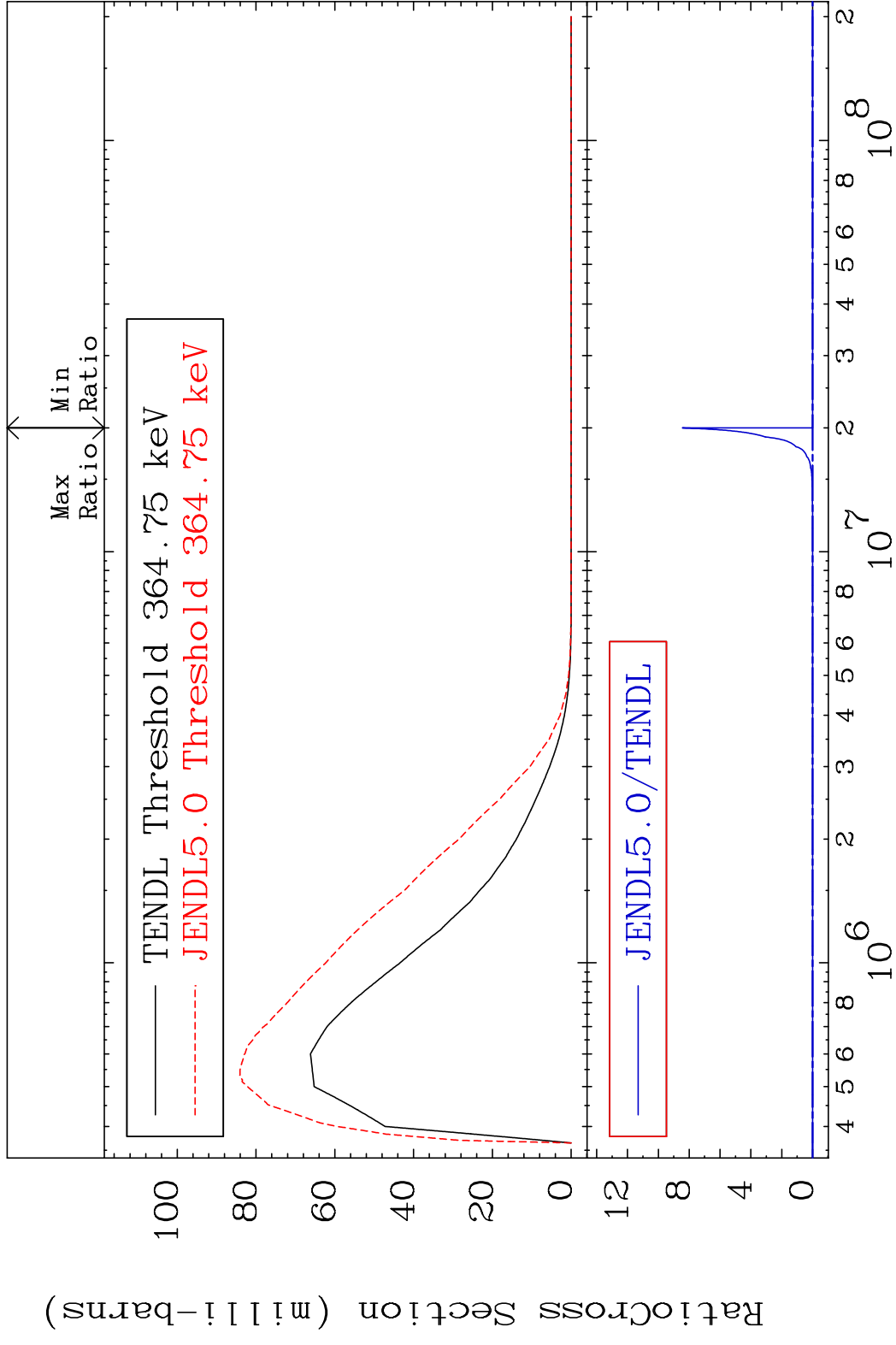
MAT 7928 MT= 62 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



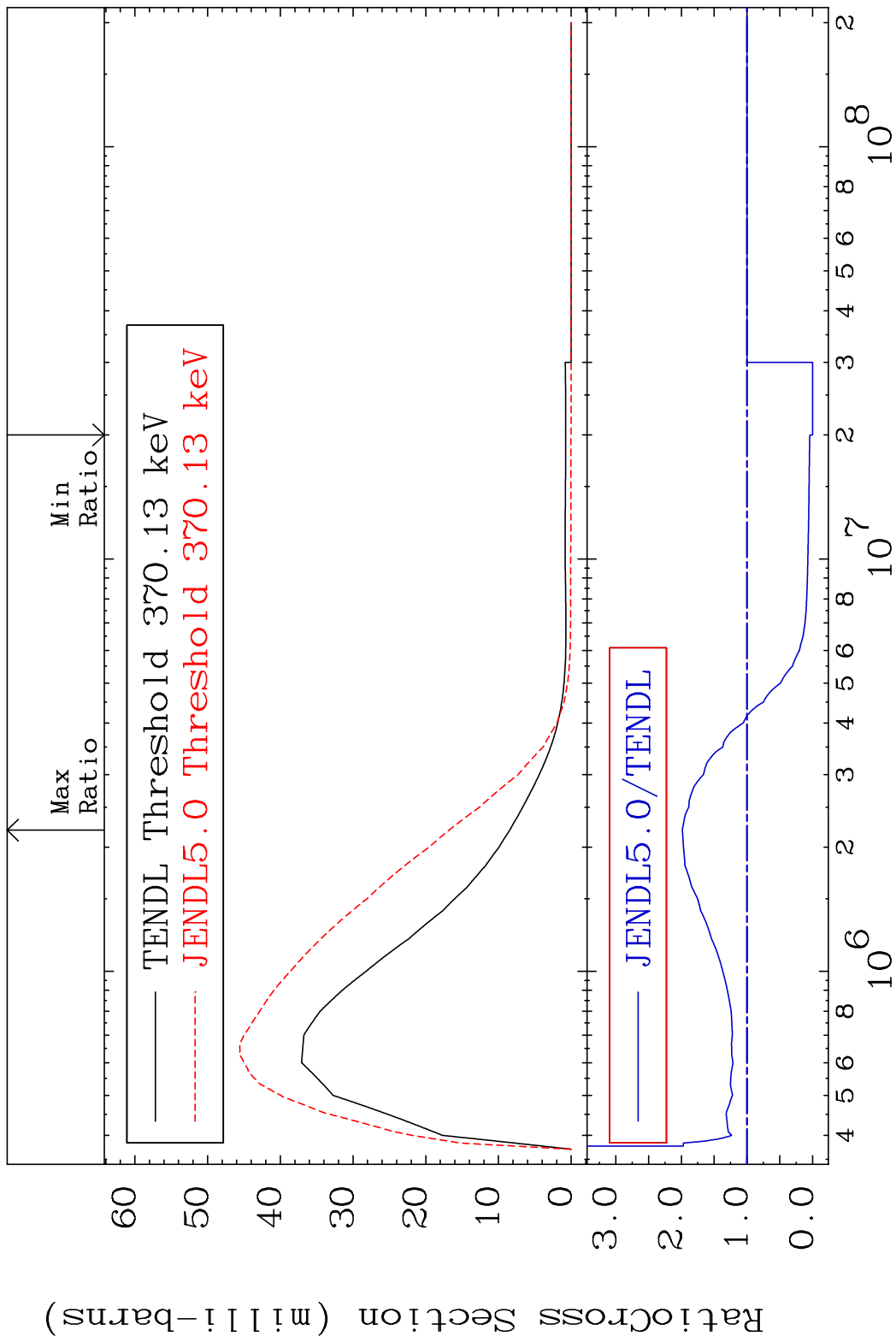
MAT 7928 MT= 63 (n, n') Level 79-Au-198
 Cross Section -100.0 To 5311. %



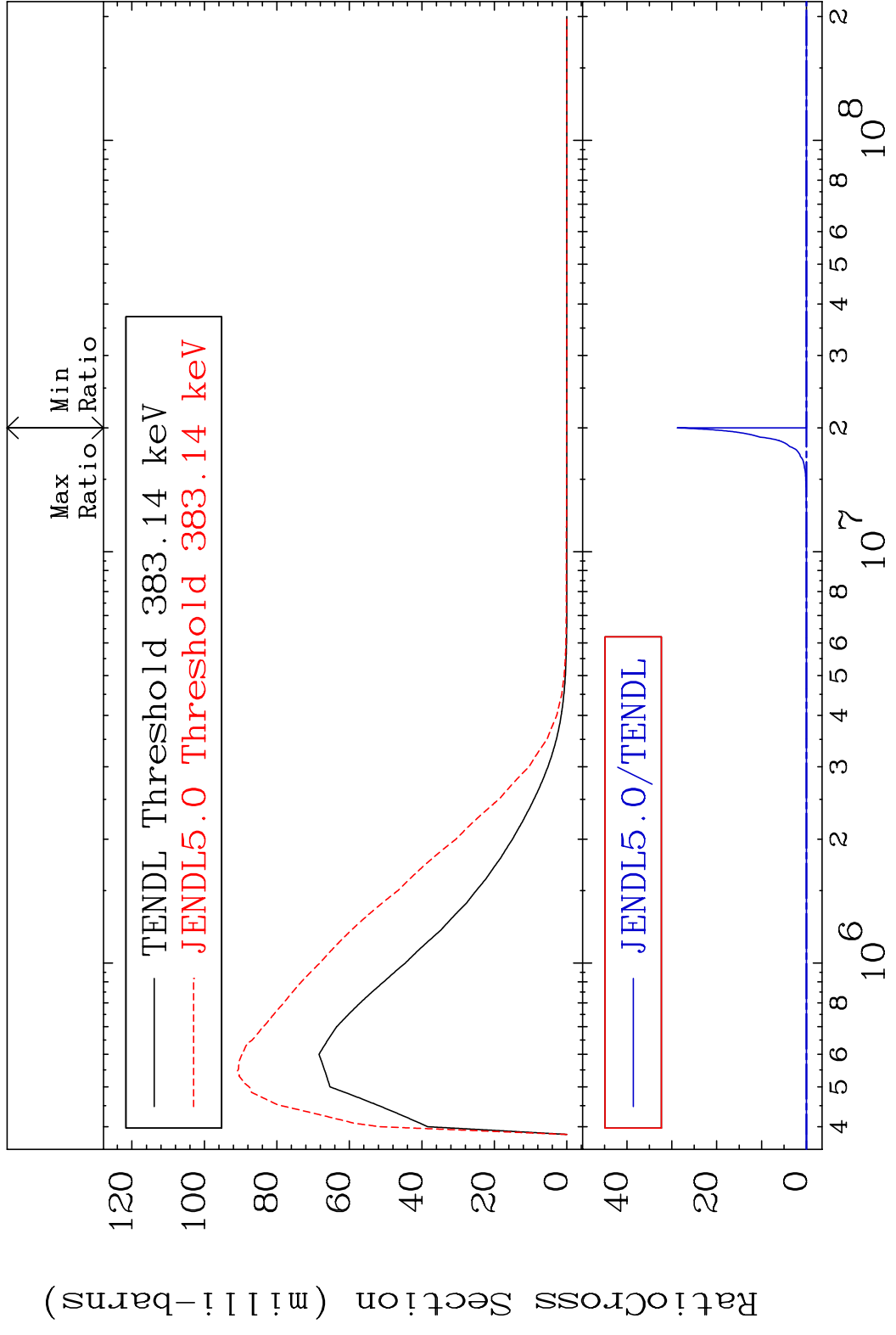
MAT 7928 MT= 64 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



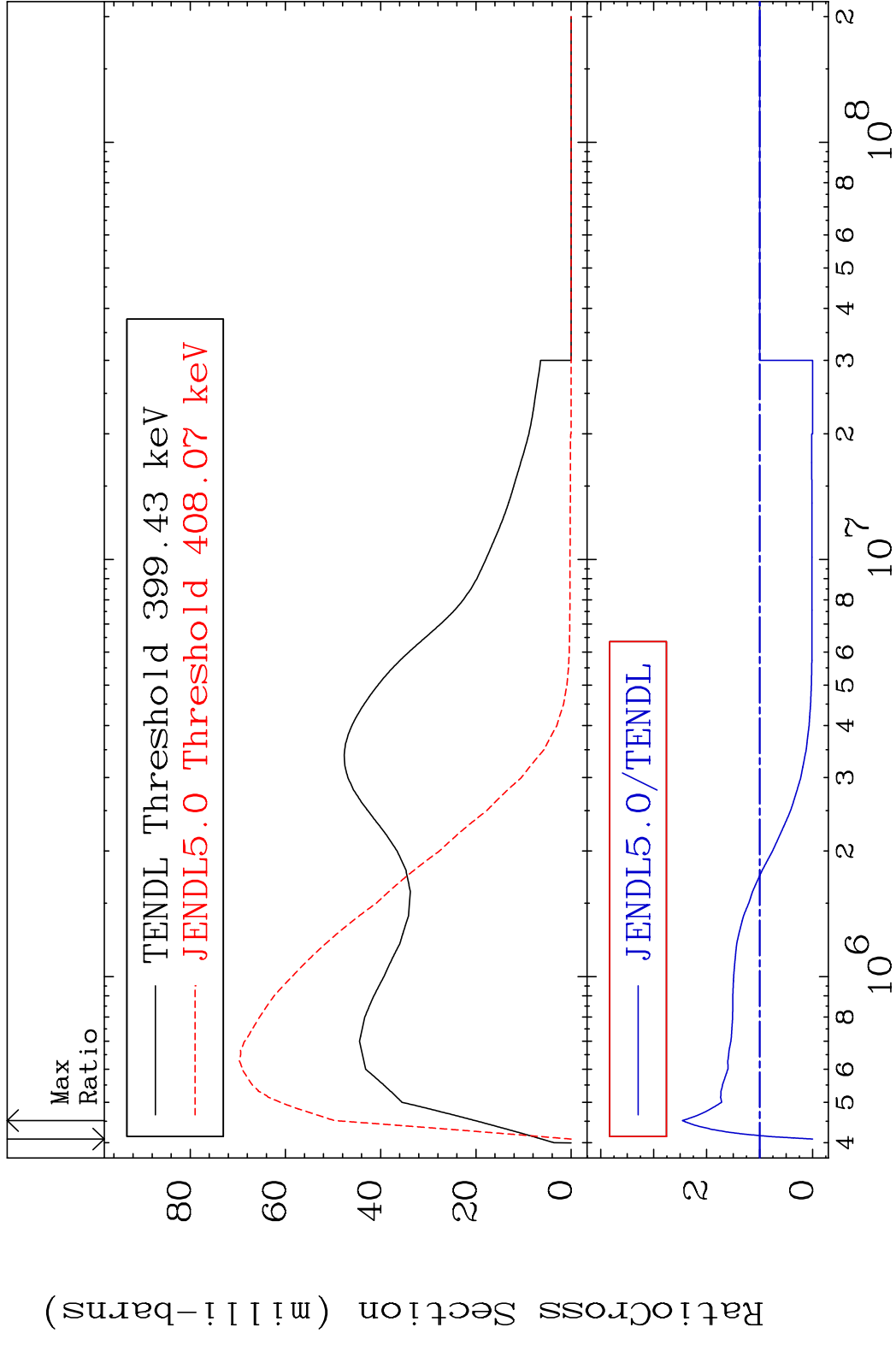
MAT 7928 MT= 65 (n, n') Level 79-Au-198
 Cross Section -100.0 To 98.52 %



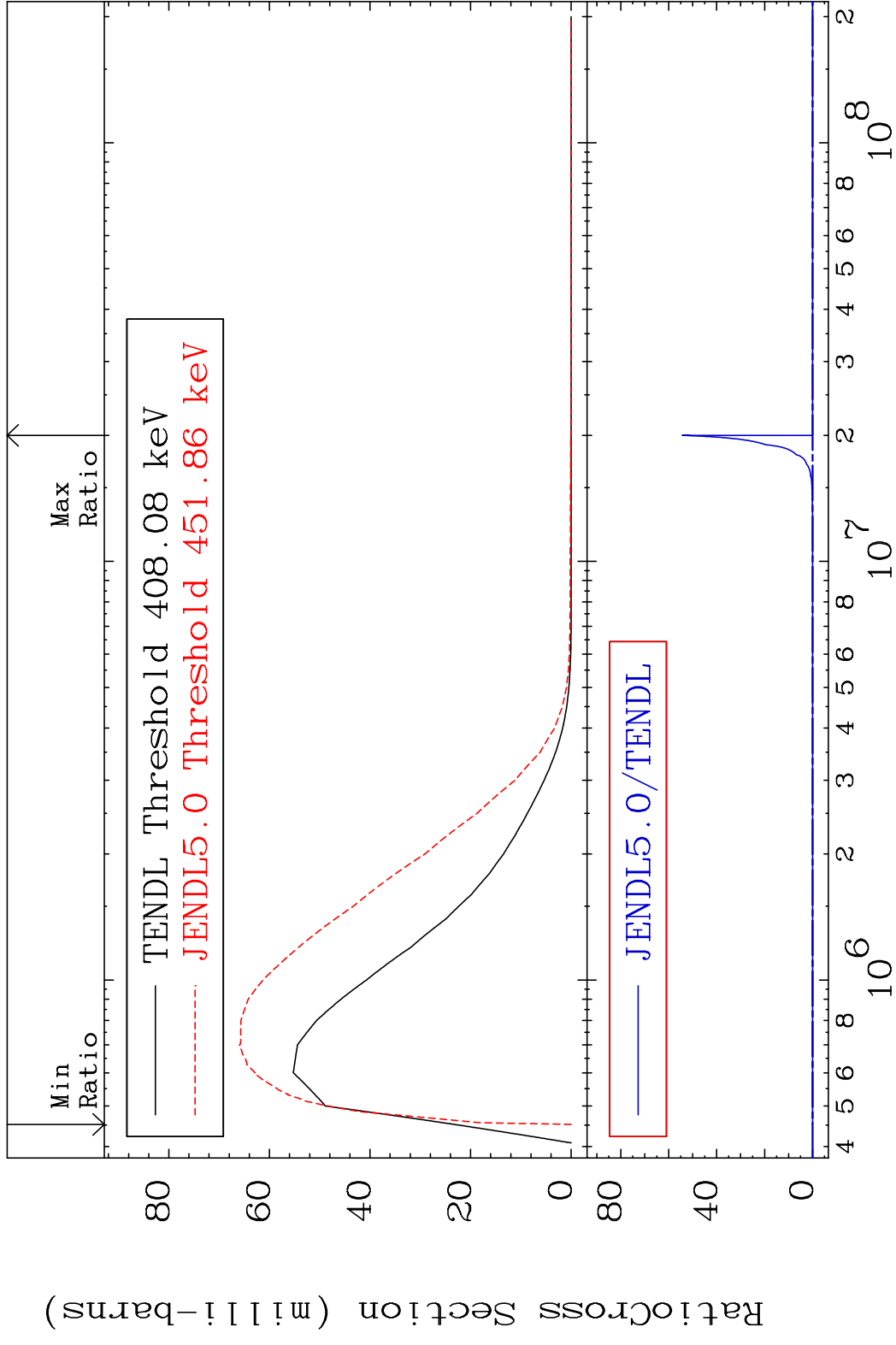
MAT 7928 MT= 66 (n,n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



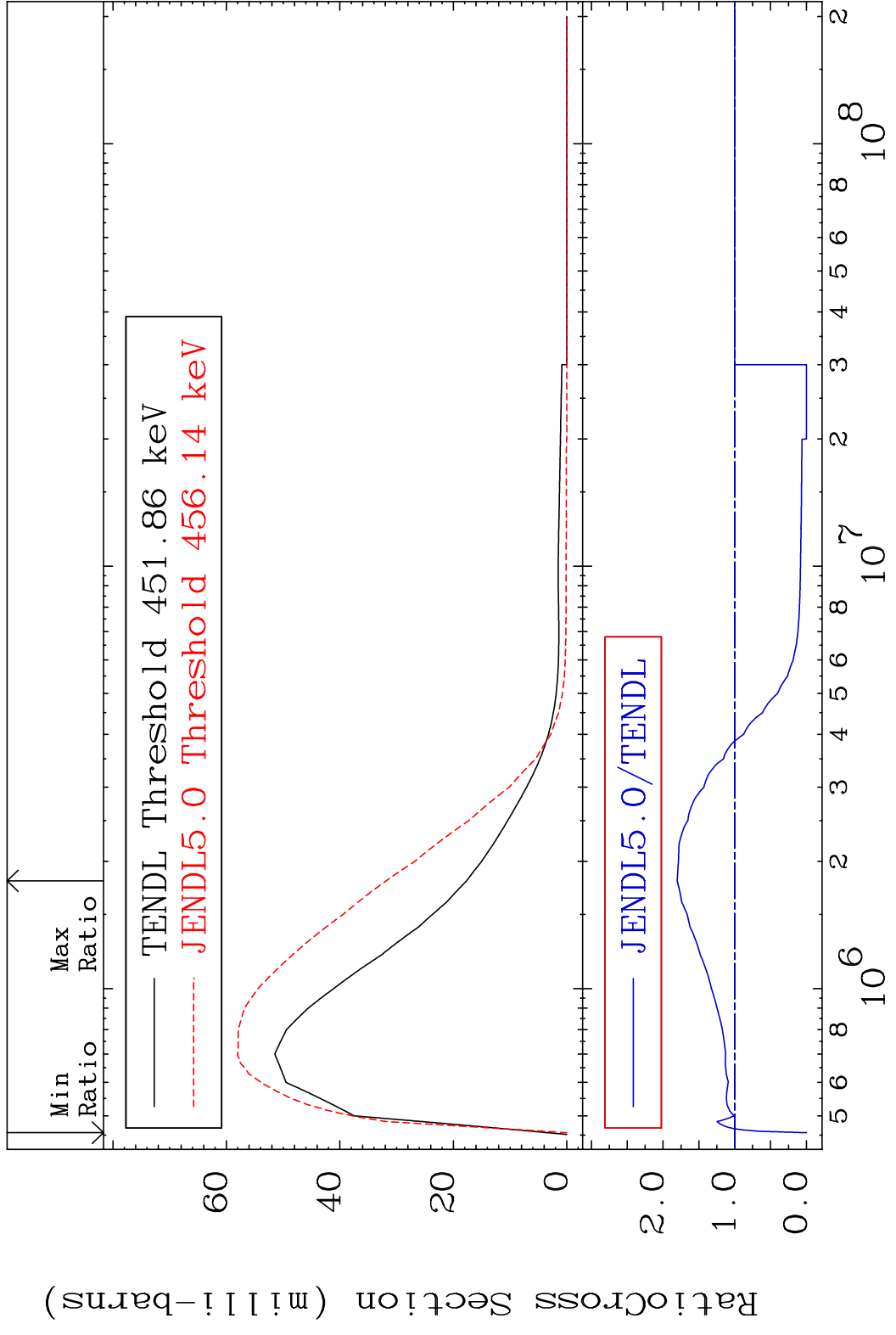
MAT 7928 MT= 67 (n,n') Level 79-Au-198
 Cross Section -100.0 To 145.9 %



MAT 7928 MT= 68 (n, n') Level 79-Au-198
 Cross Section -100.0 To 9999. %

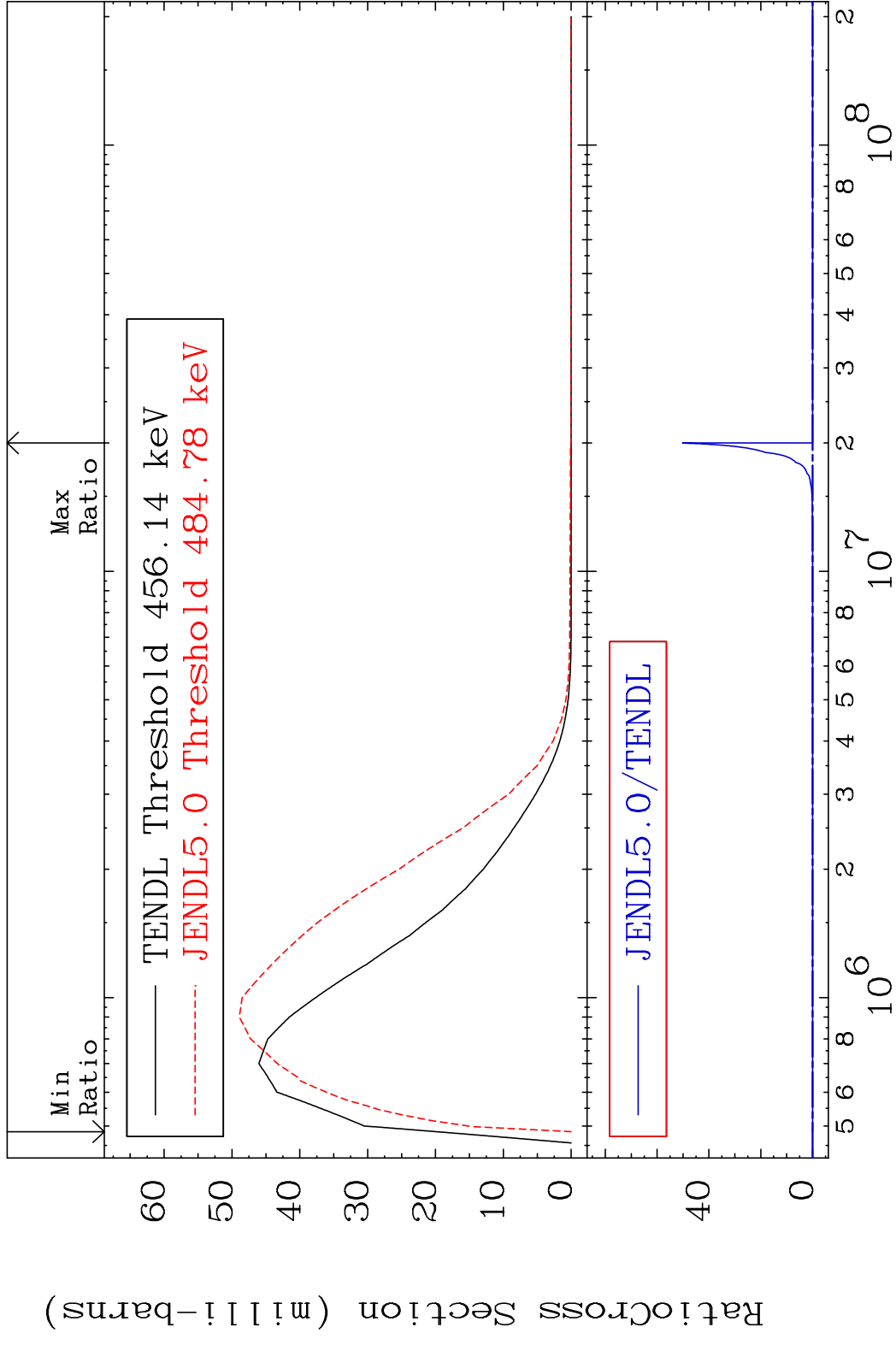


MAT 7928 MT= 69 (n, n') Level 79-Au-198
 Cross Section -100.0 To 80.27 %

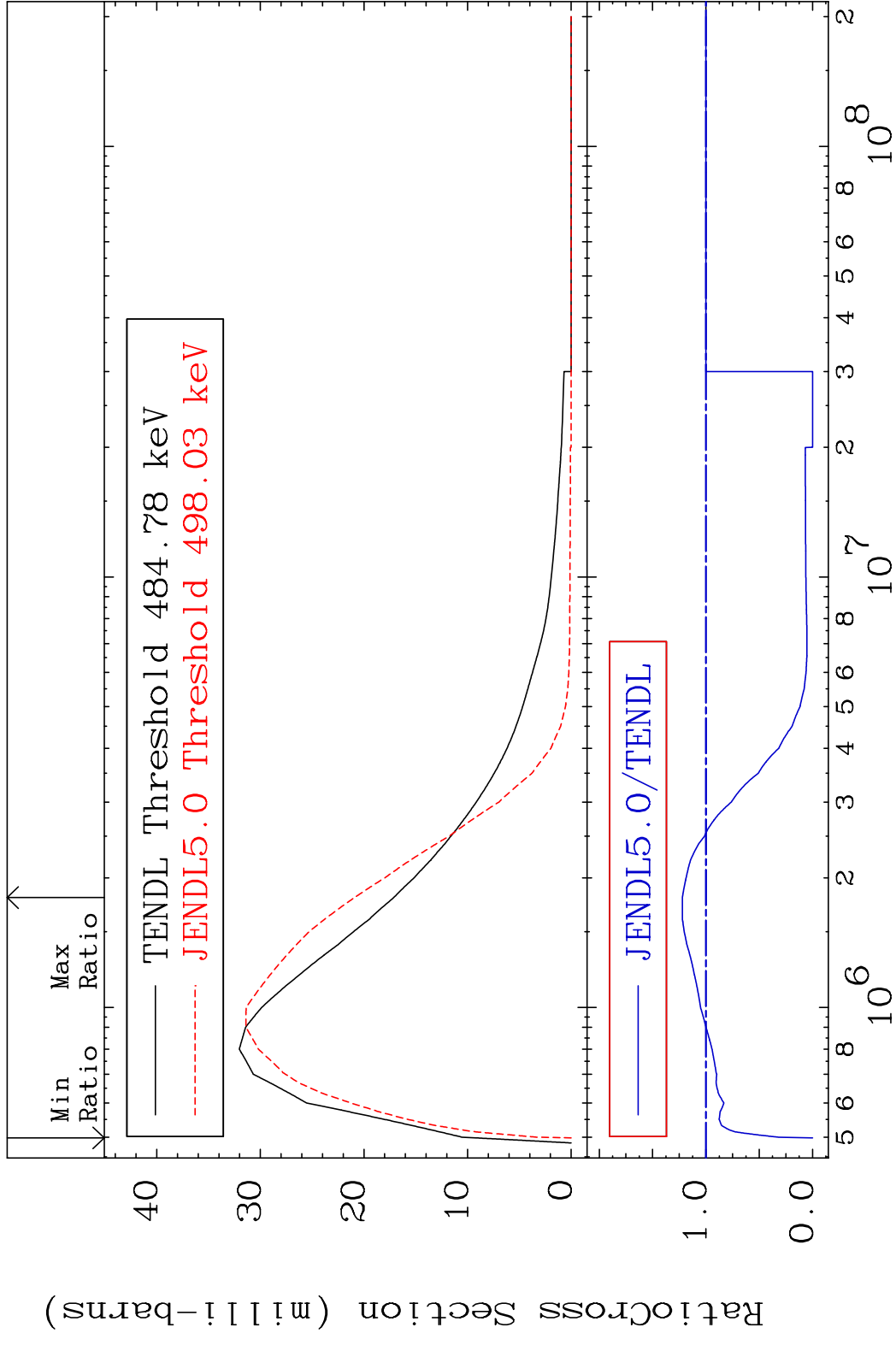


30 Incident Energy (eV) 79-Au-198

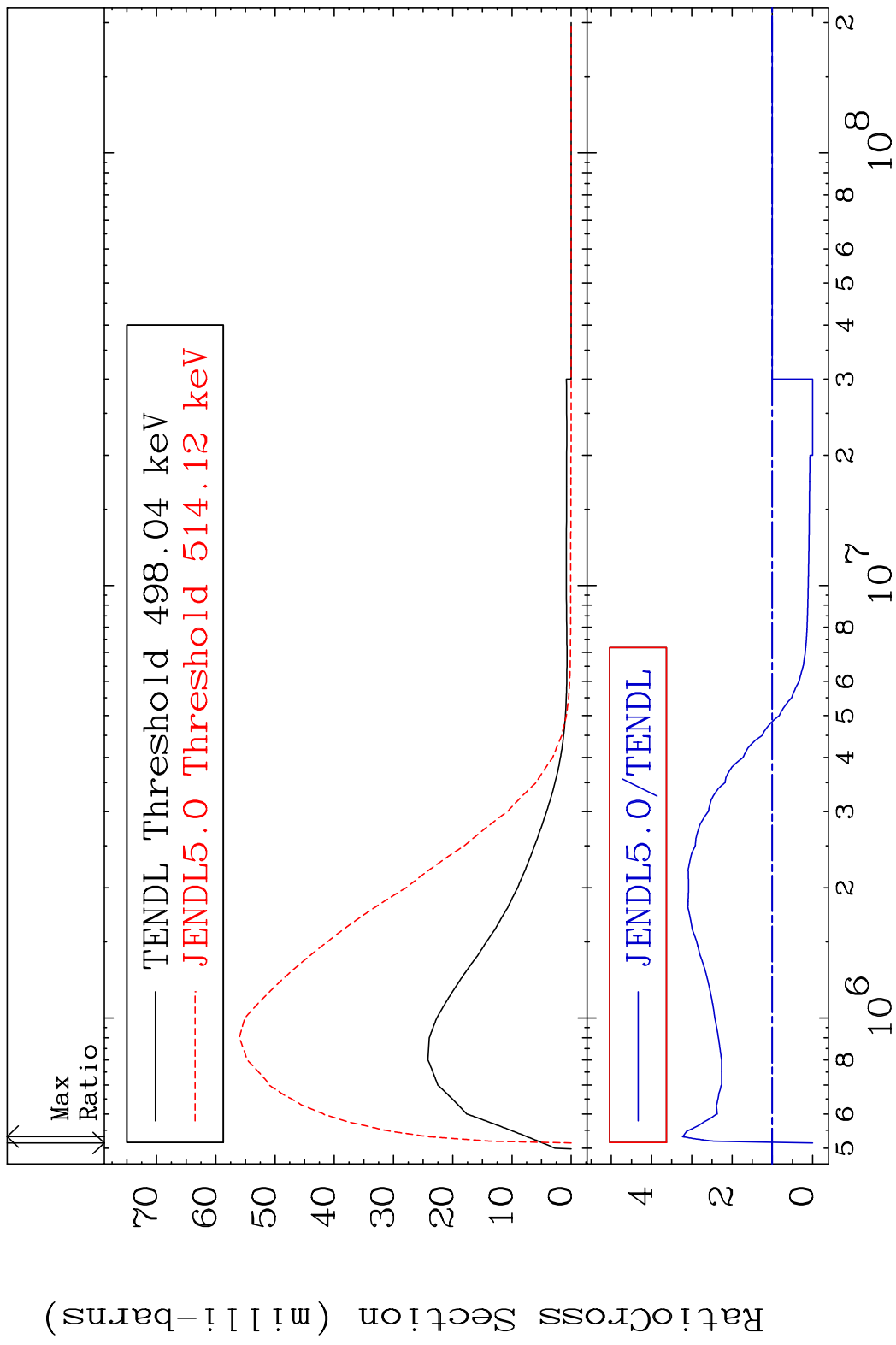
MAT 7928 MT= 70 (n, n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



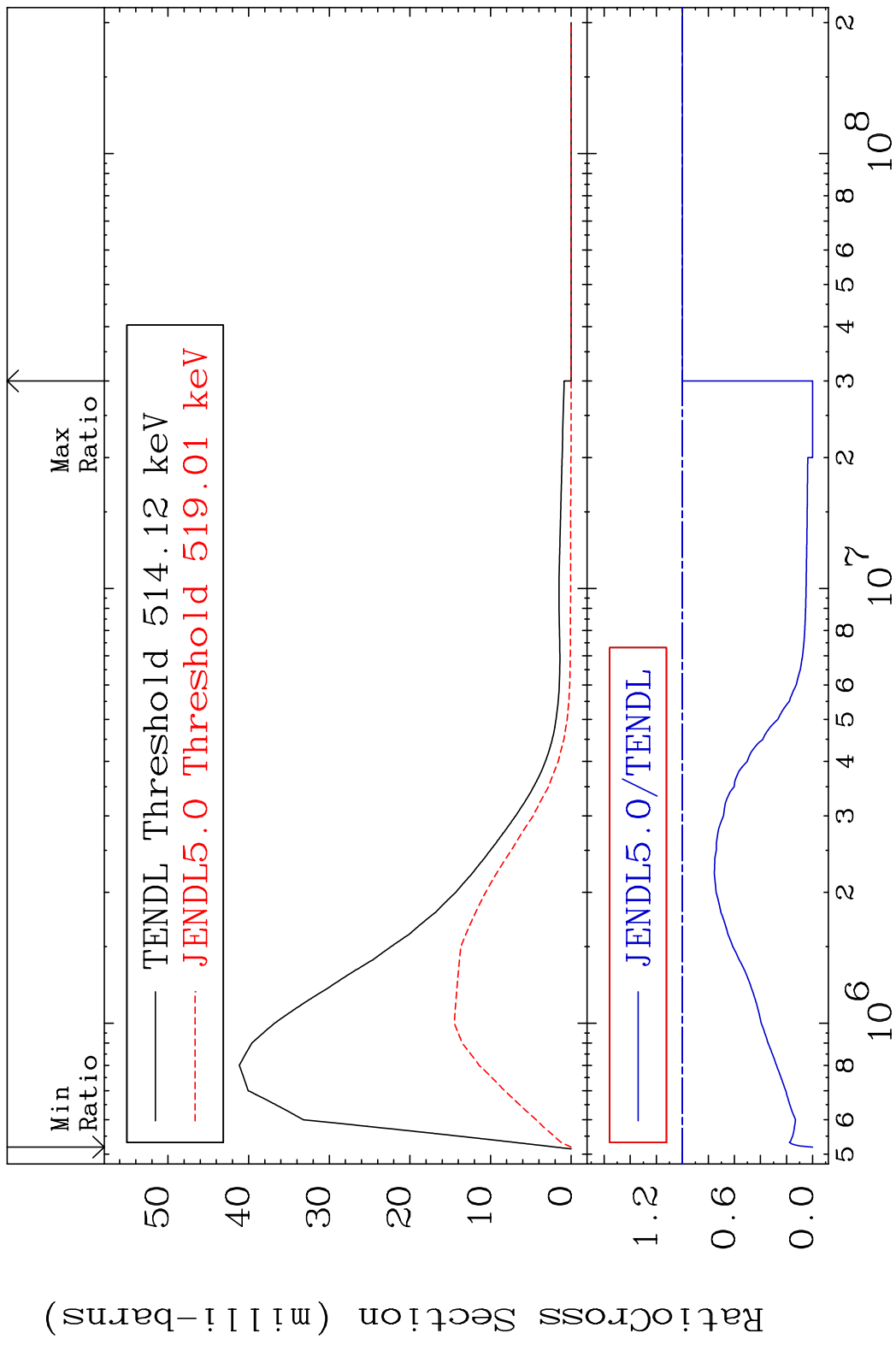
MAT 7928 MT= 71 (n, n') Level 79-Au-198
 Cross Section -100.0 To 22.09 %



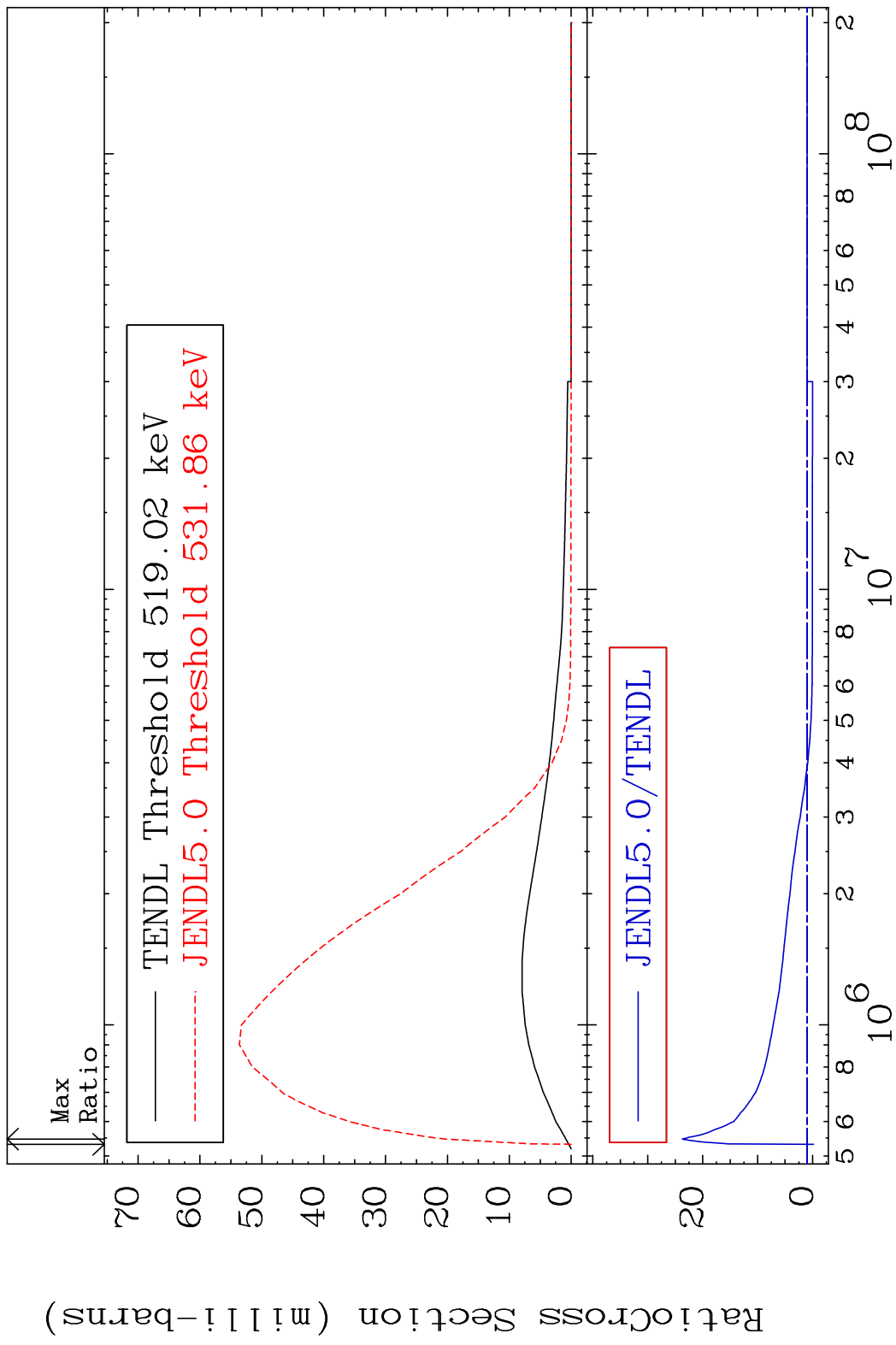
MAT 7928 MT= 72 (n, n') Level 79-Au-198
 Cross Section -100.0 To 223.5 %



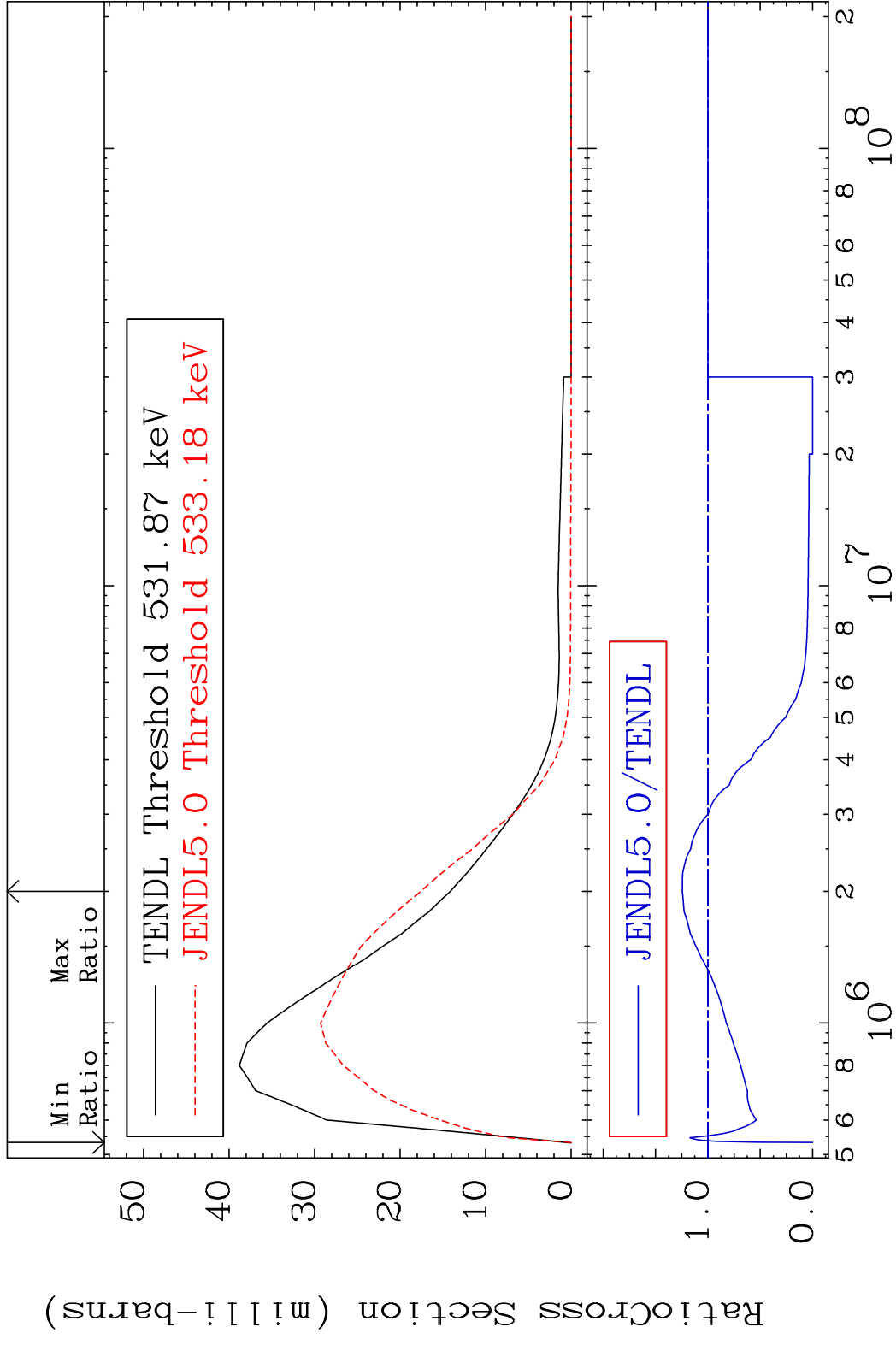
MAT 7928 MT= 73 (n, n') Level 79-Au-198
 Cross Section -100.0 To 0.000 %



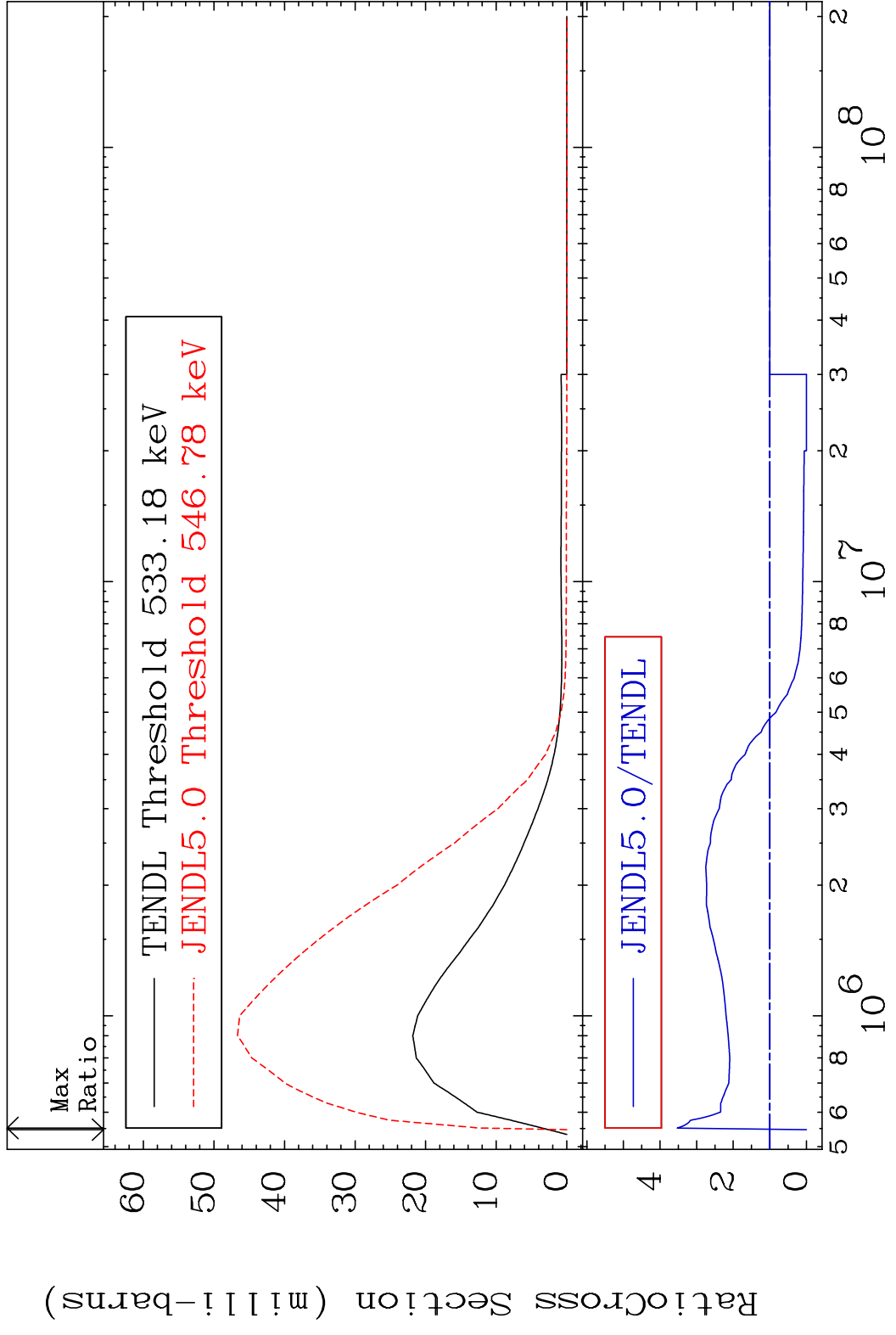
MAT 7928 MT= 74 (n,n') Level 79-Au-198
 Cross Section -100.0 To 2271. %



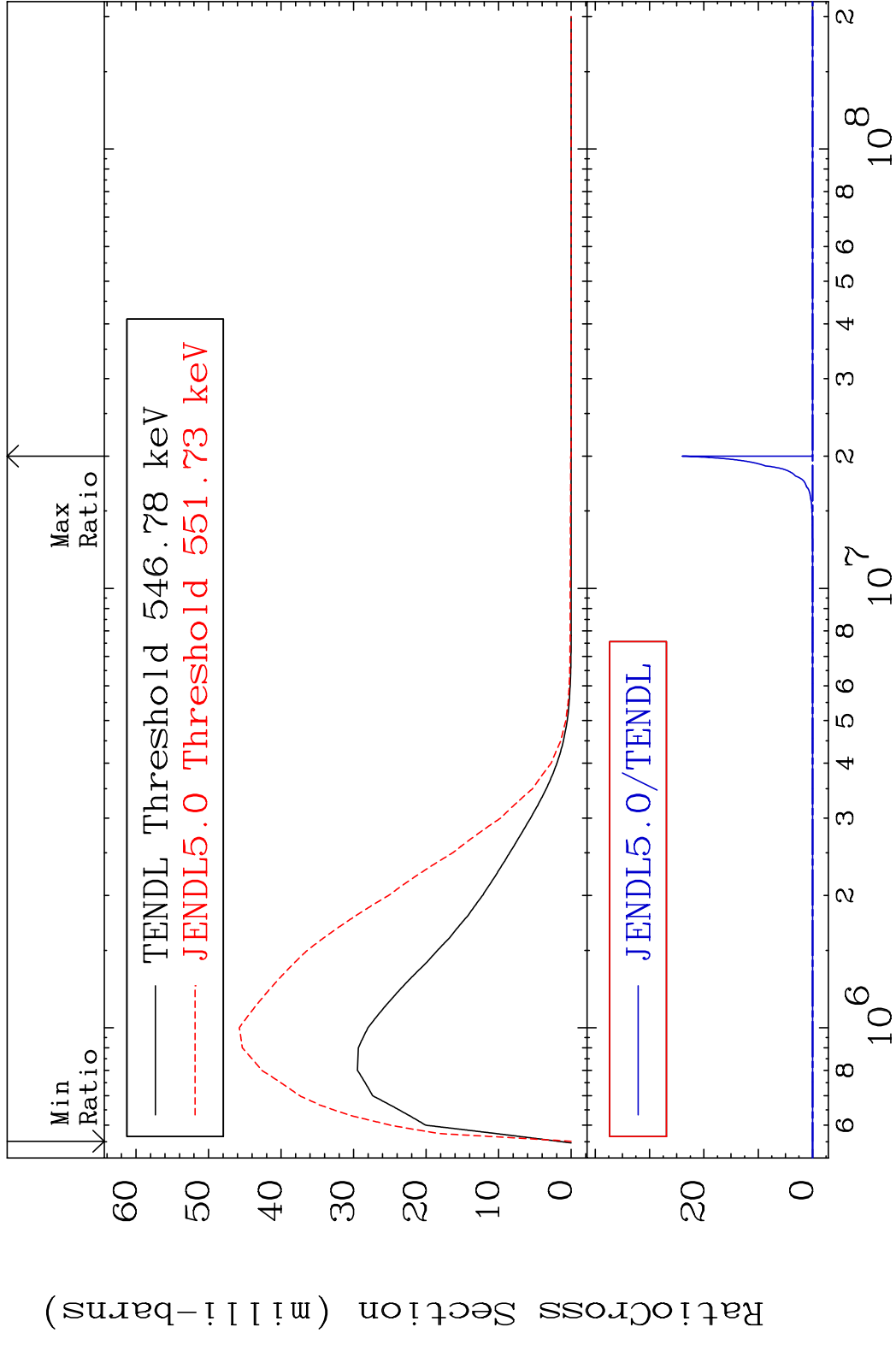
MAT 7928 MT= 75 (n, n') Level 79-Au-198
 Cross Section -100.0 To 24.41 %



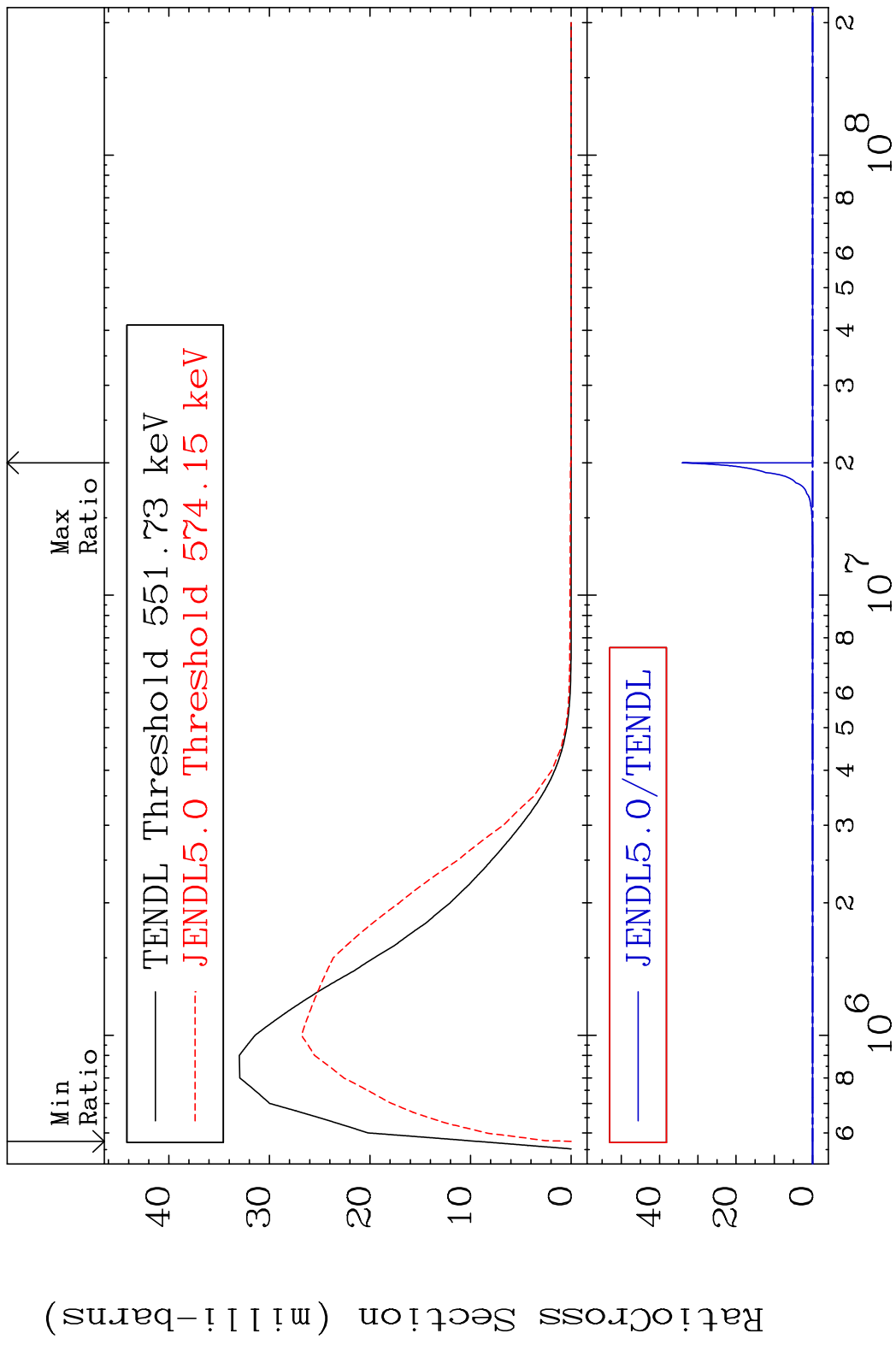
MAT 7928 MT= 76 (n,n') Level 79-Au-198
 Cross Section -100.0 To 253.1 %



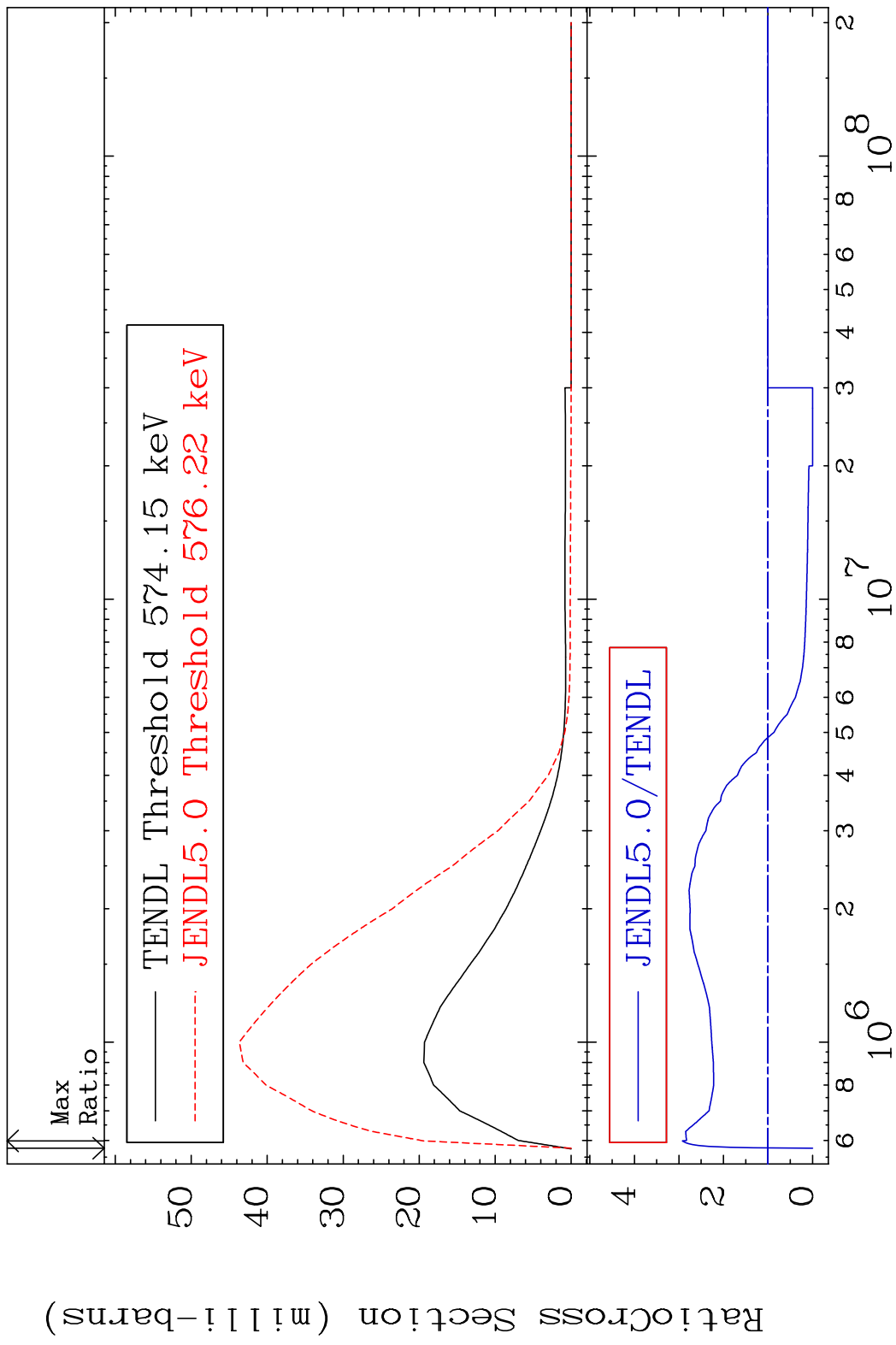
MAT 7928 MT= 77 (n, n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



MAT 7928 MT= 78 (n, n') Level 79-Au-198
 Cross Section -100.0 To 9999. %



MAT 7928 MT= 79 (n,n') Level 79-Au-198
 Cross Section -100.0 To 192.3 %



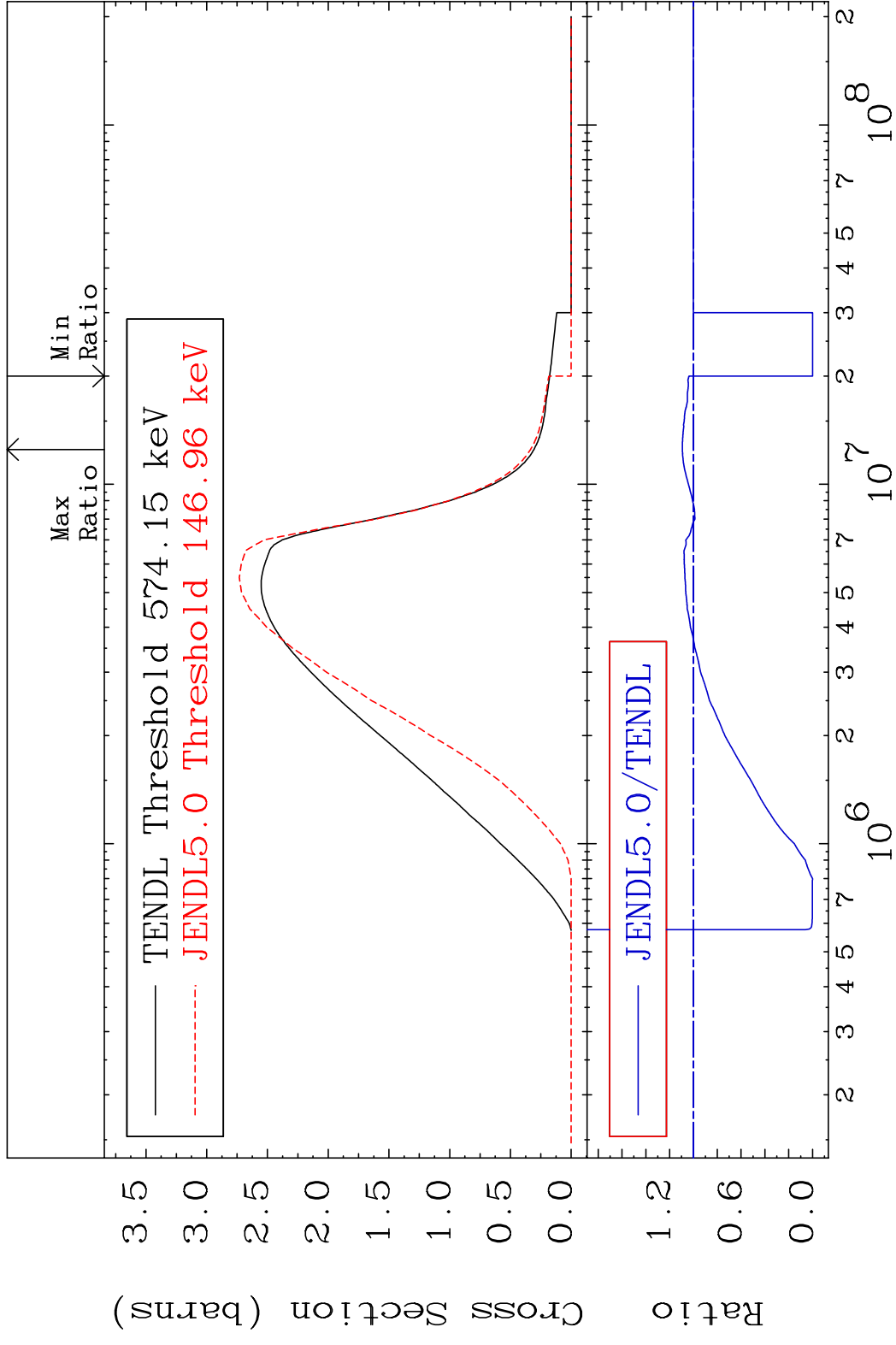
40 Incident Energy (eV) 79-Au-198

MAT 7928

(n, n') Continuum

79-Au-198

Cross Section -100.0 To 9.310 %

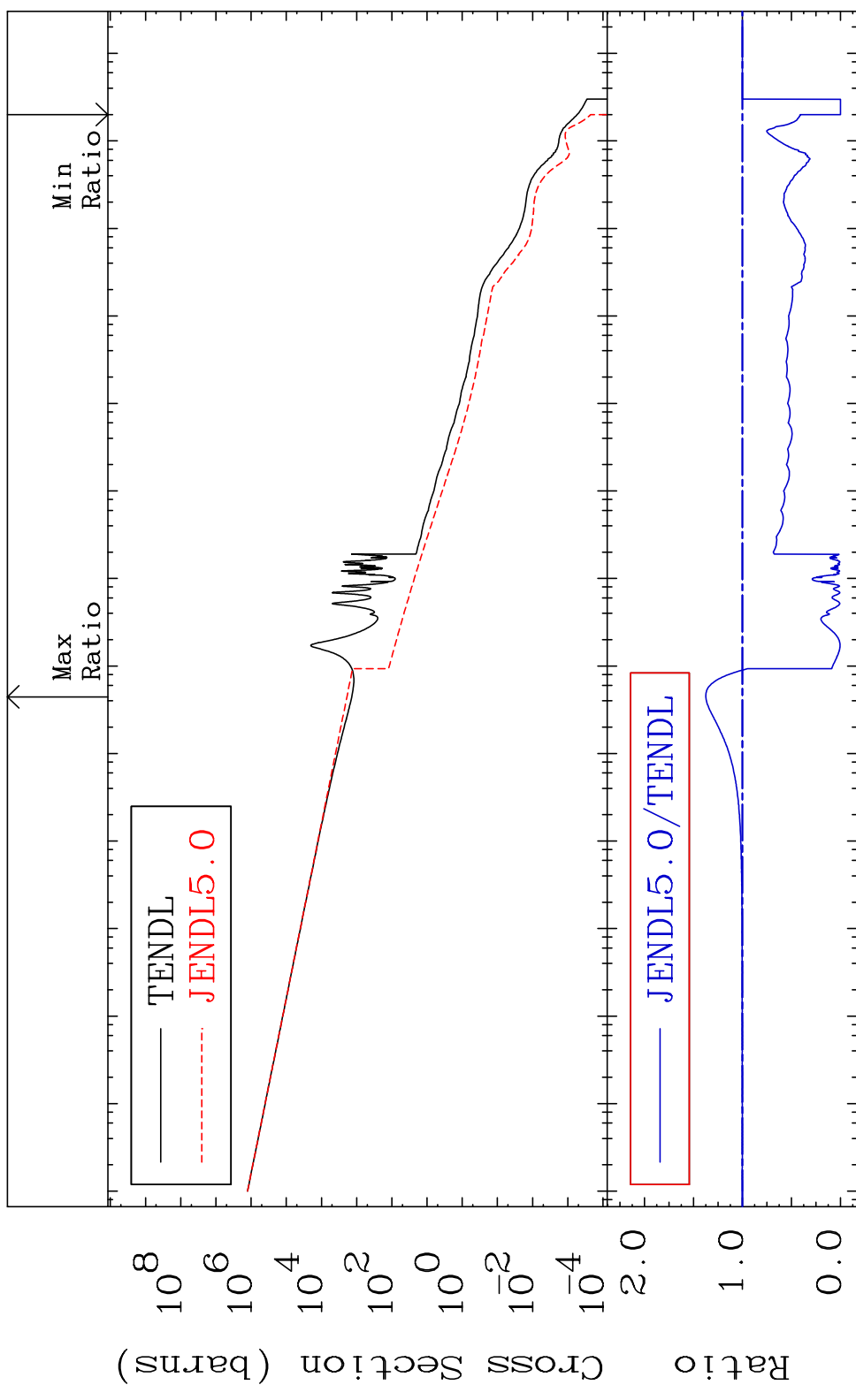


MAT 7928

79-Au-198

(n, γ)

Cross Section -100.0 To 37.46 %

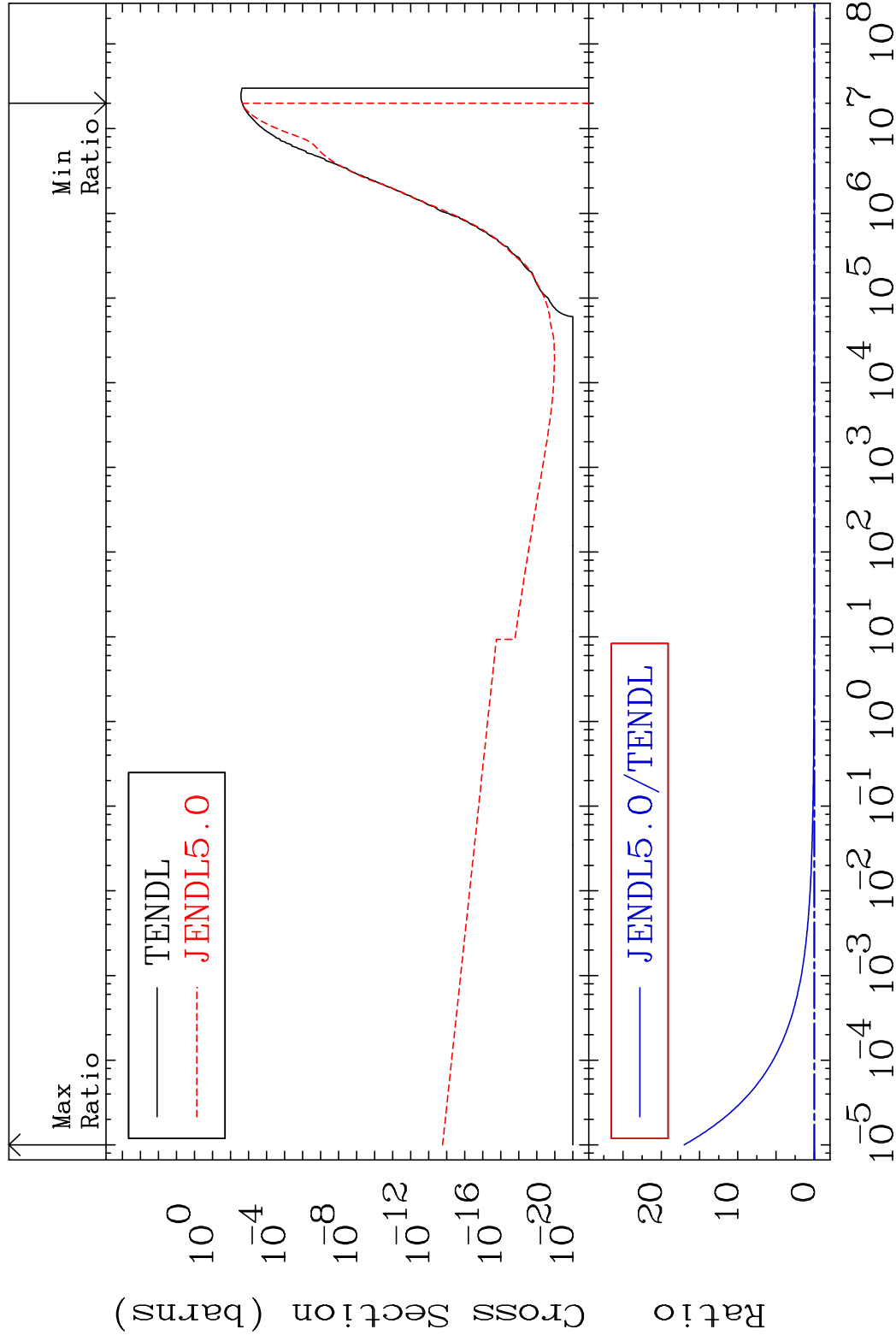


MAT 7928

(n, p)

79-Au-198

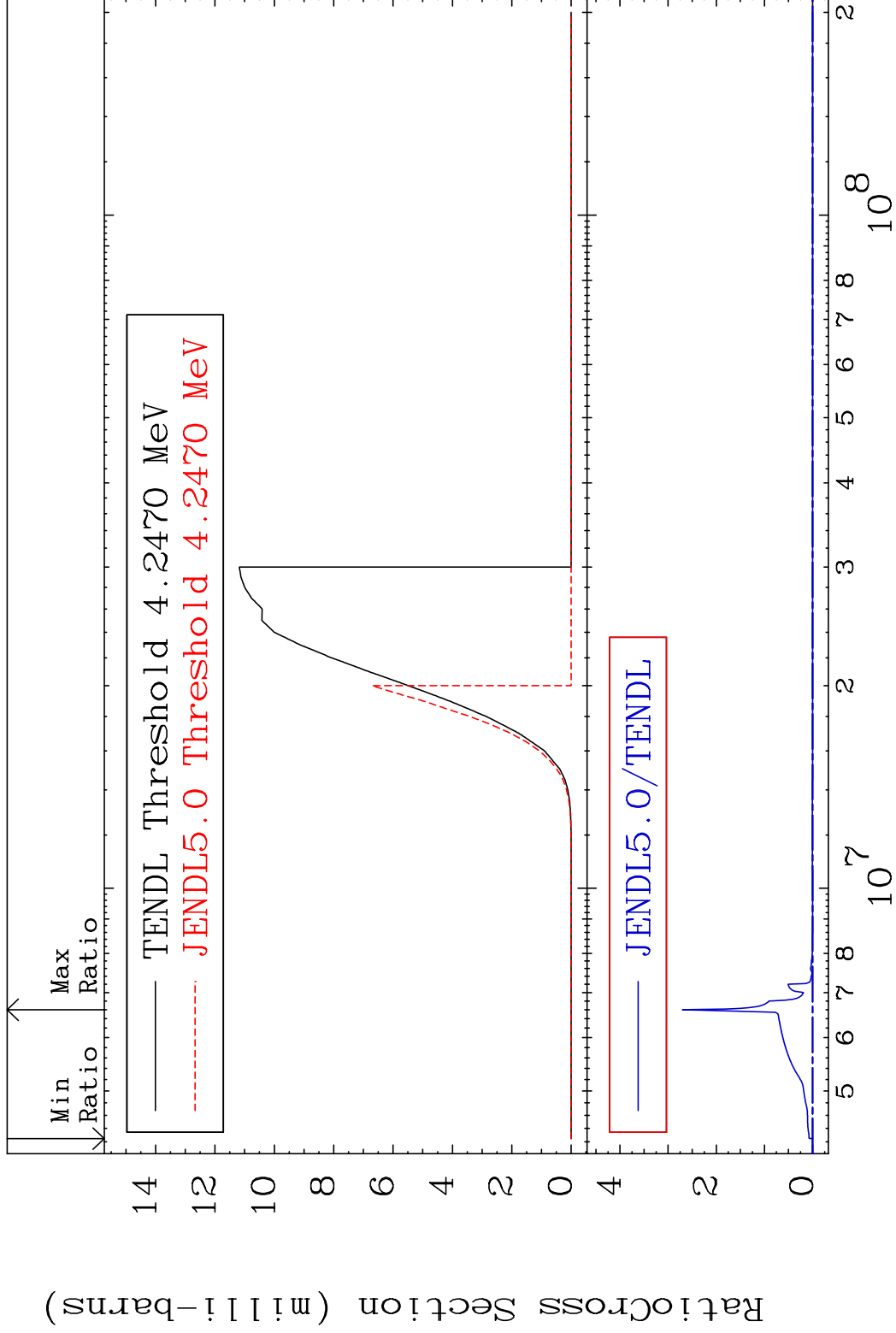
Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

79-Au-198

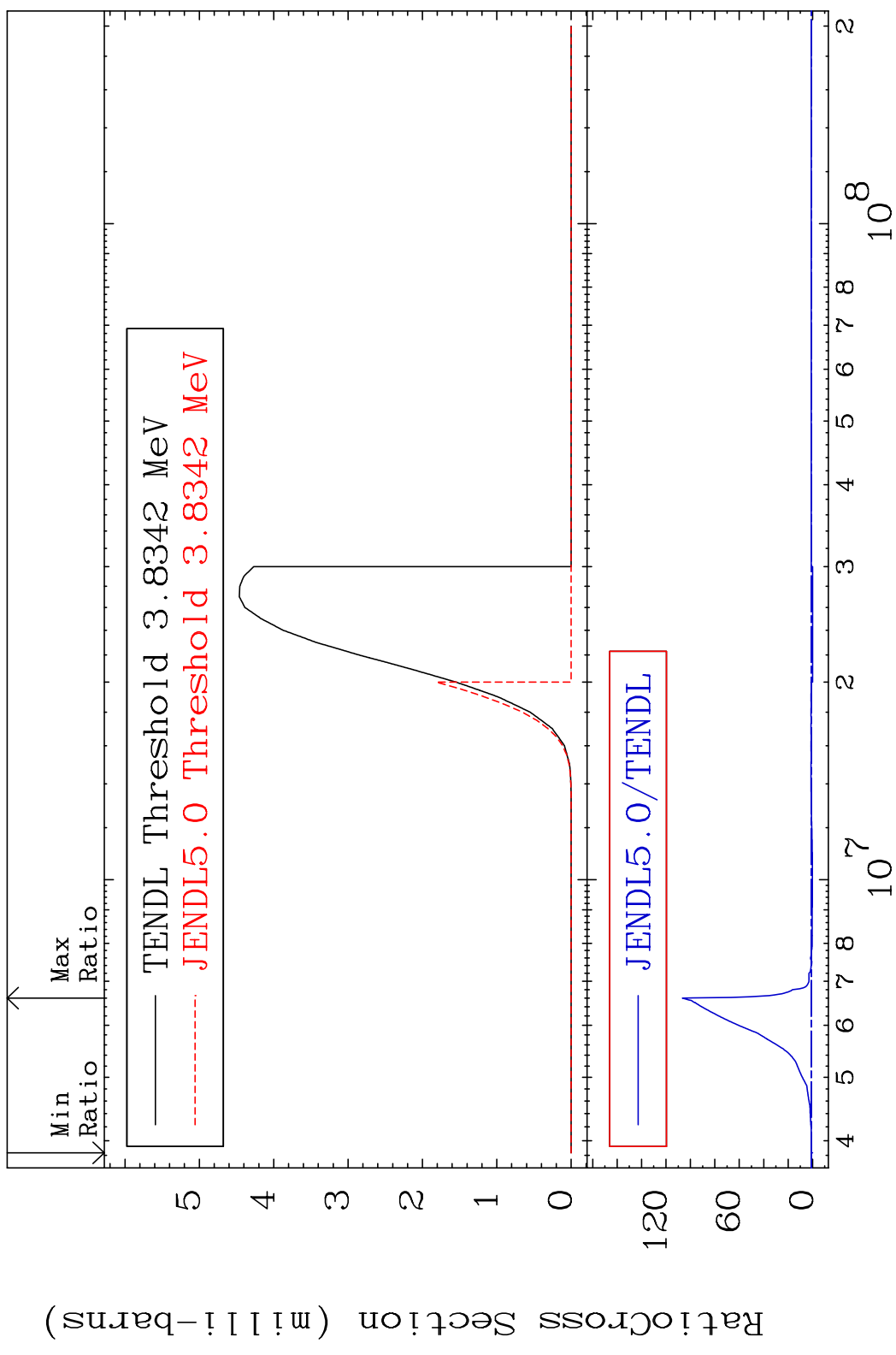


MAT 7928

(n, t)

79-Au-198

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

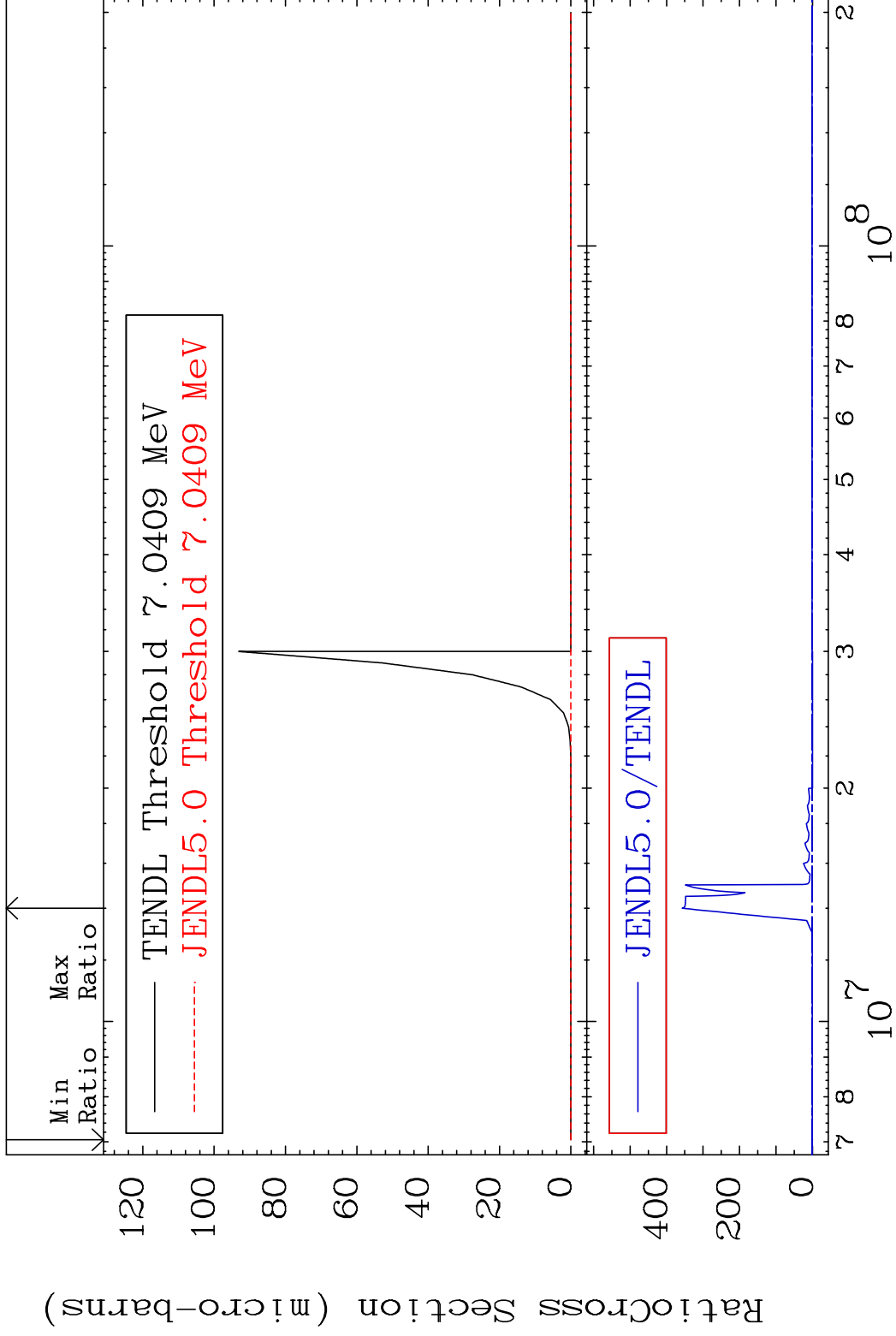
79-Au-198

MAT 7928

(n, He-3)

79-Au-198

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

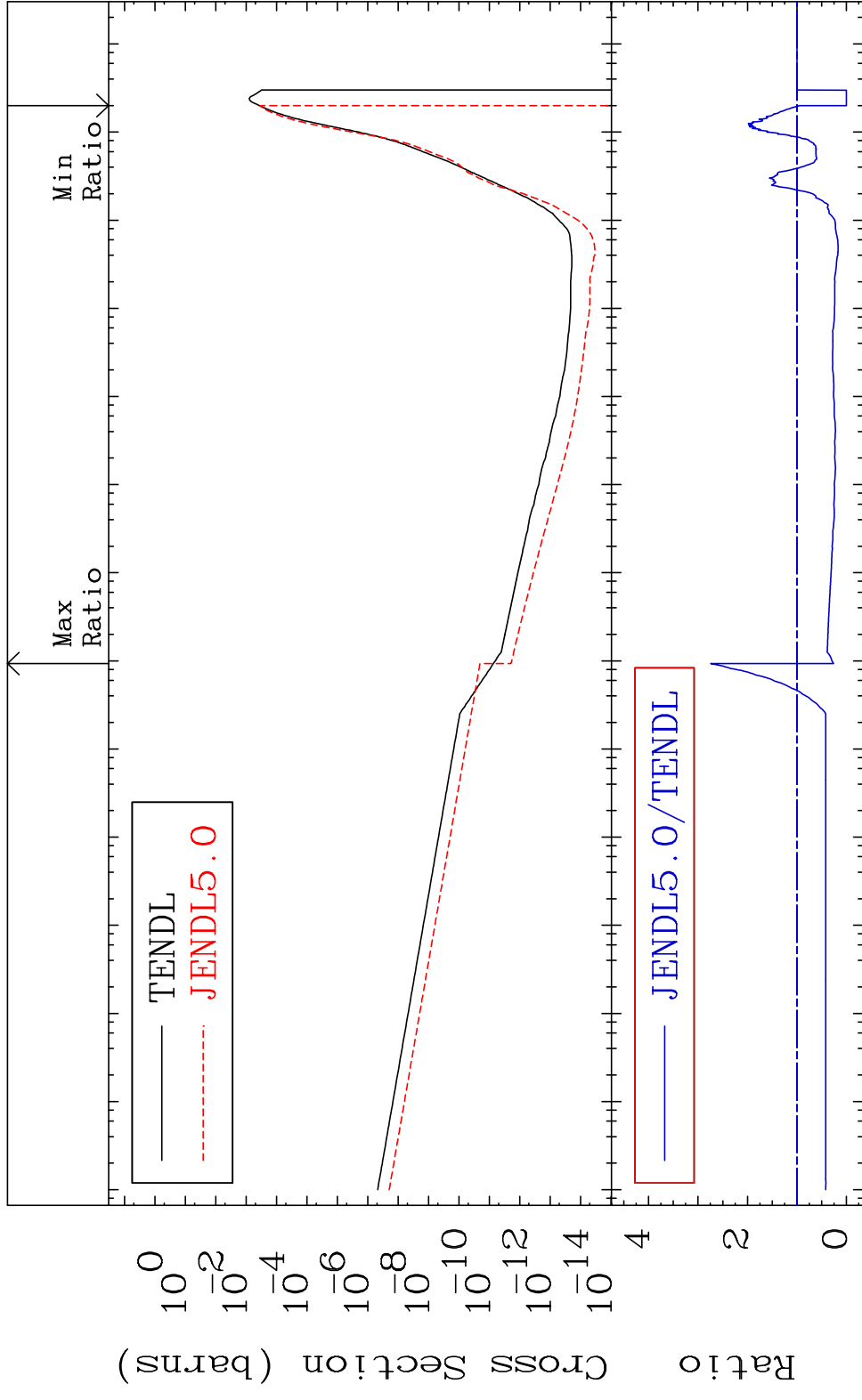
79-Au-198

MAT 7928

79-Au-198

(n, α)

Cross Section -100.0 To 174.3 %

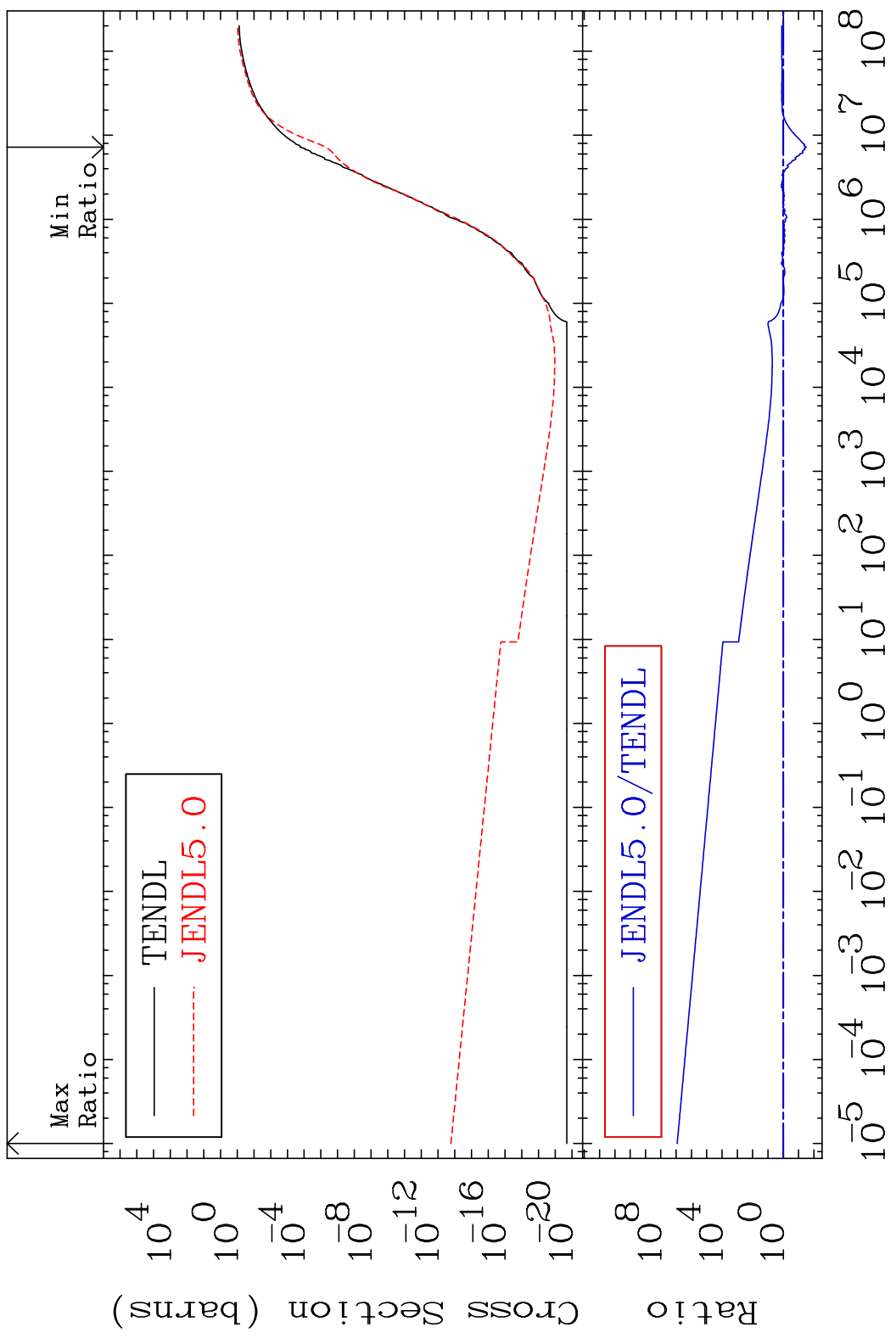


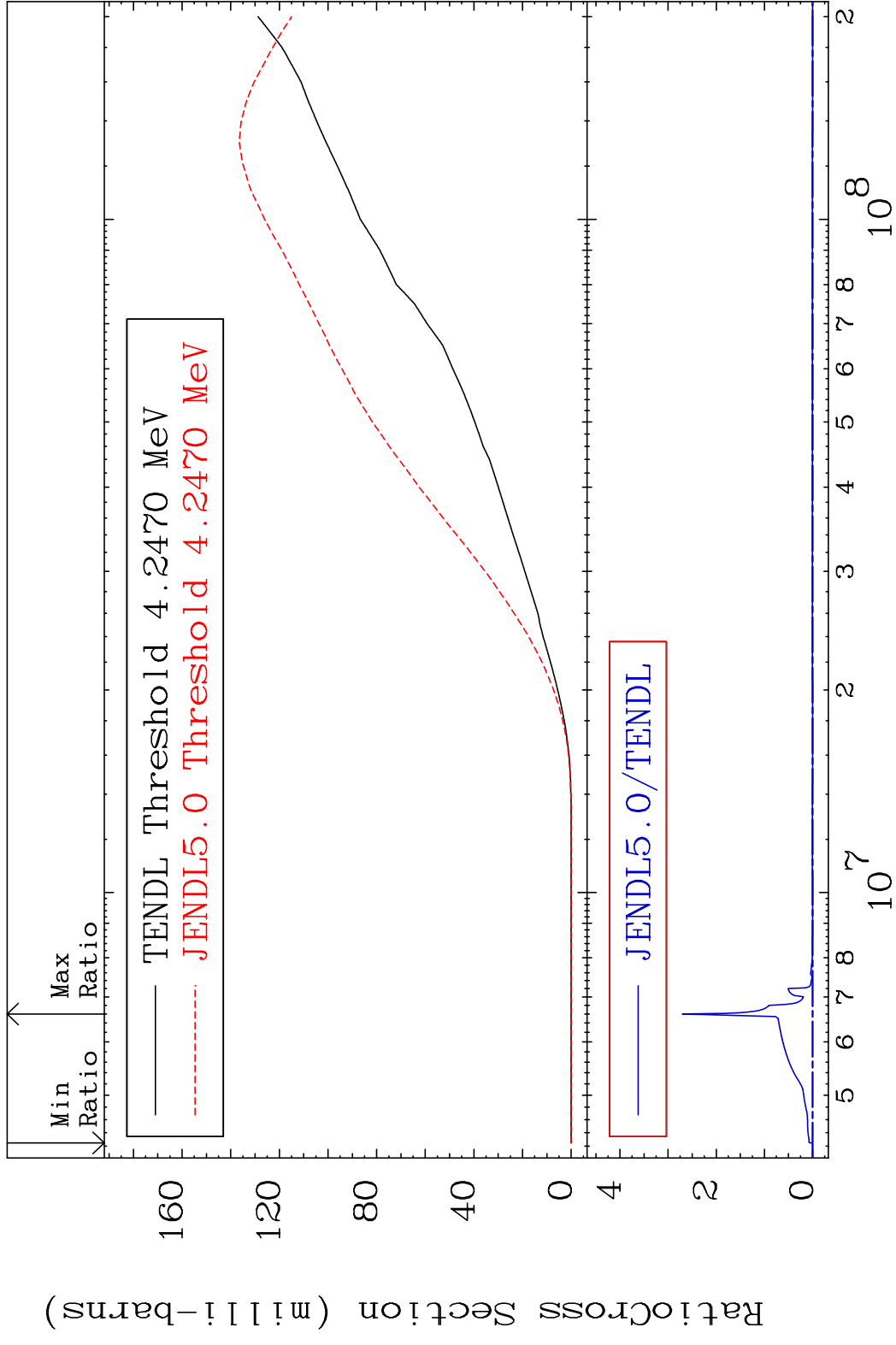
MAT 7928

Hydrogen Production

79-Au-198

Cross Section -96.91 To 9999. %

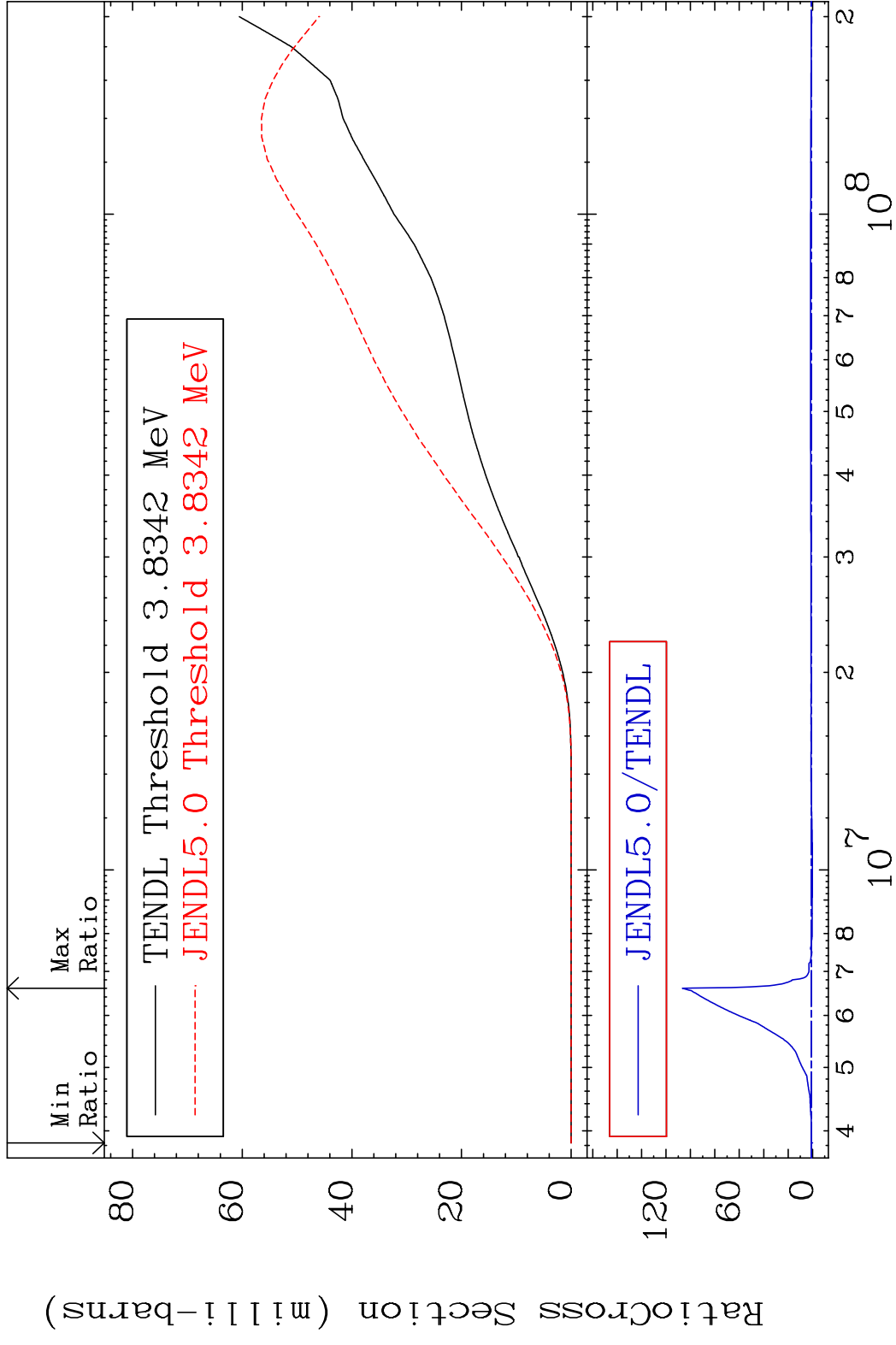




MAT 7928

Tritium Production 79-Au-198

Cross Section -100.0 To 9999. %

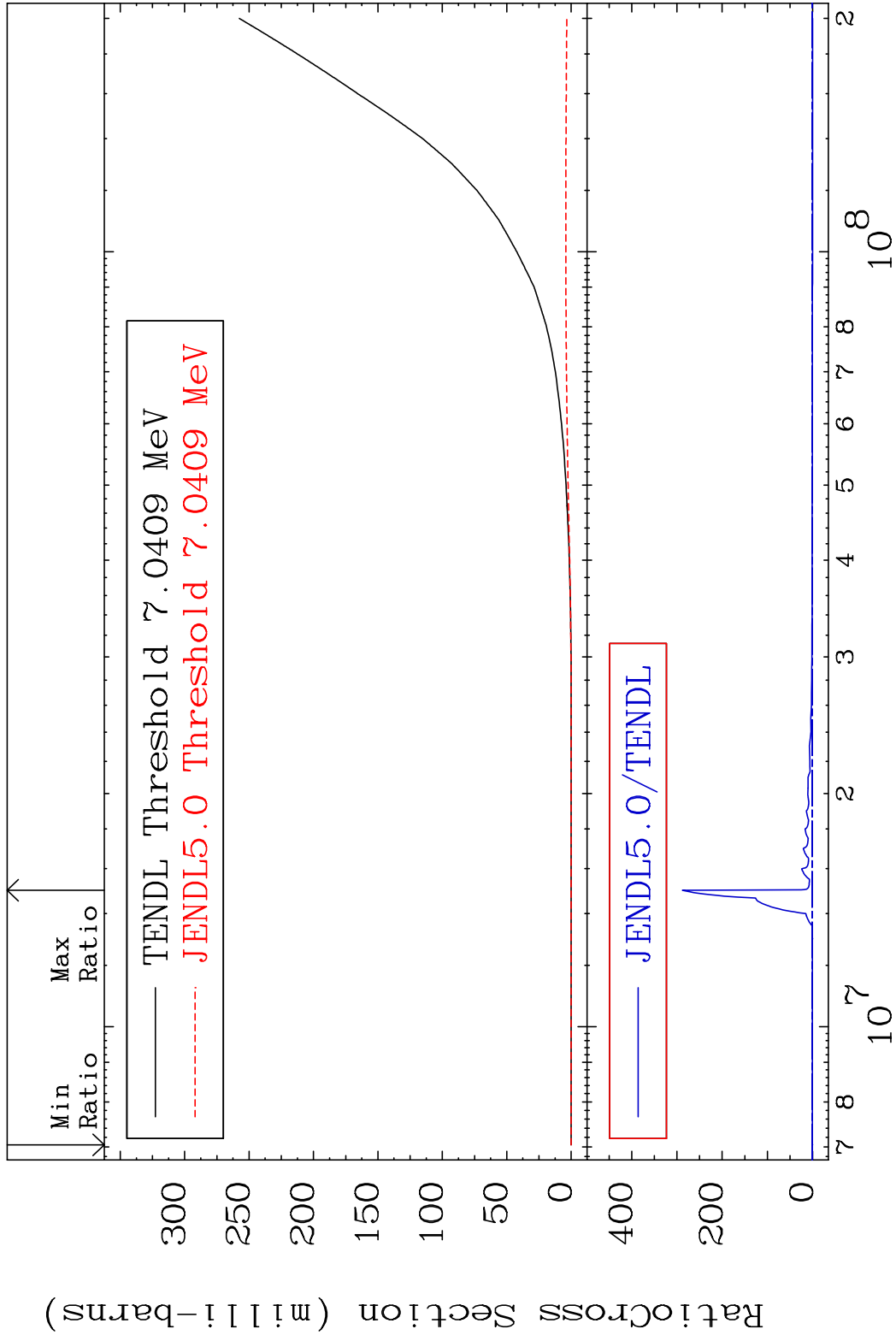


50

Incident Energy (eV)

79-Au-198

Cross Section -100.0 To 9999. %

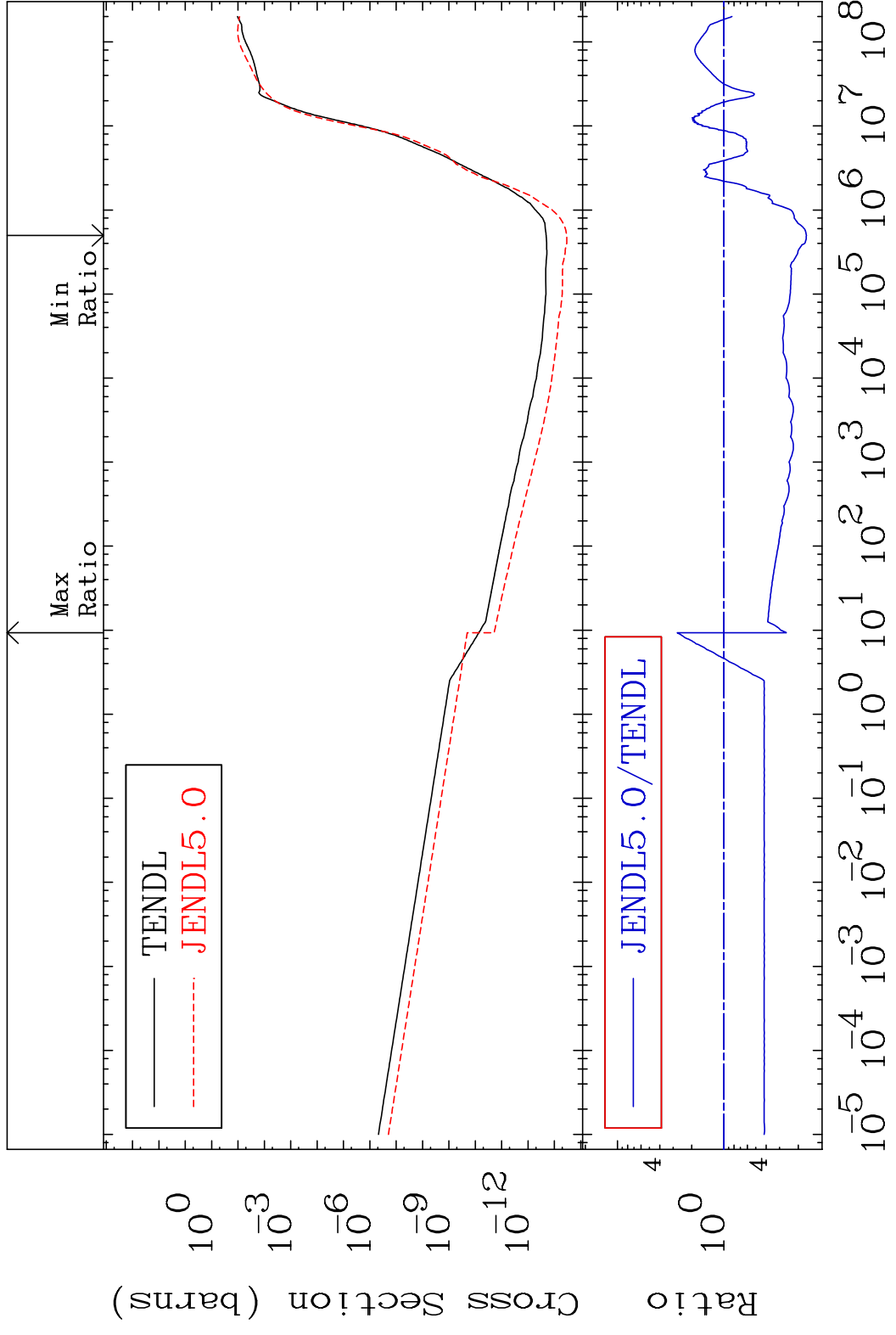


MAT 7928

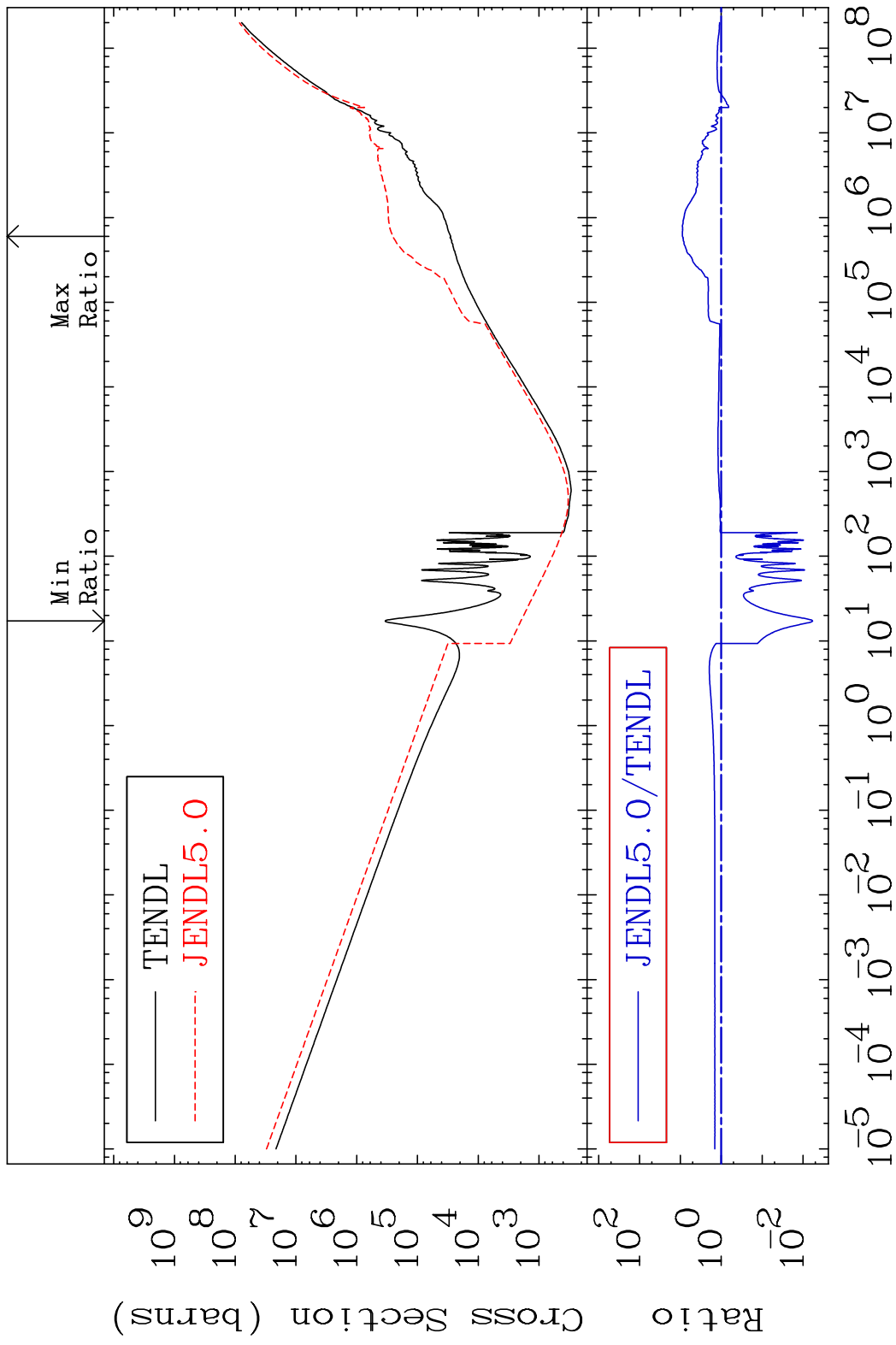
He-4 Production

79-Au-198

Cross Section -83.25 To 174.3 %



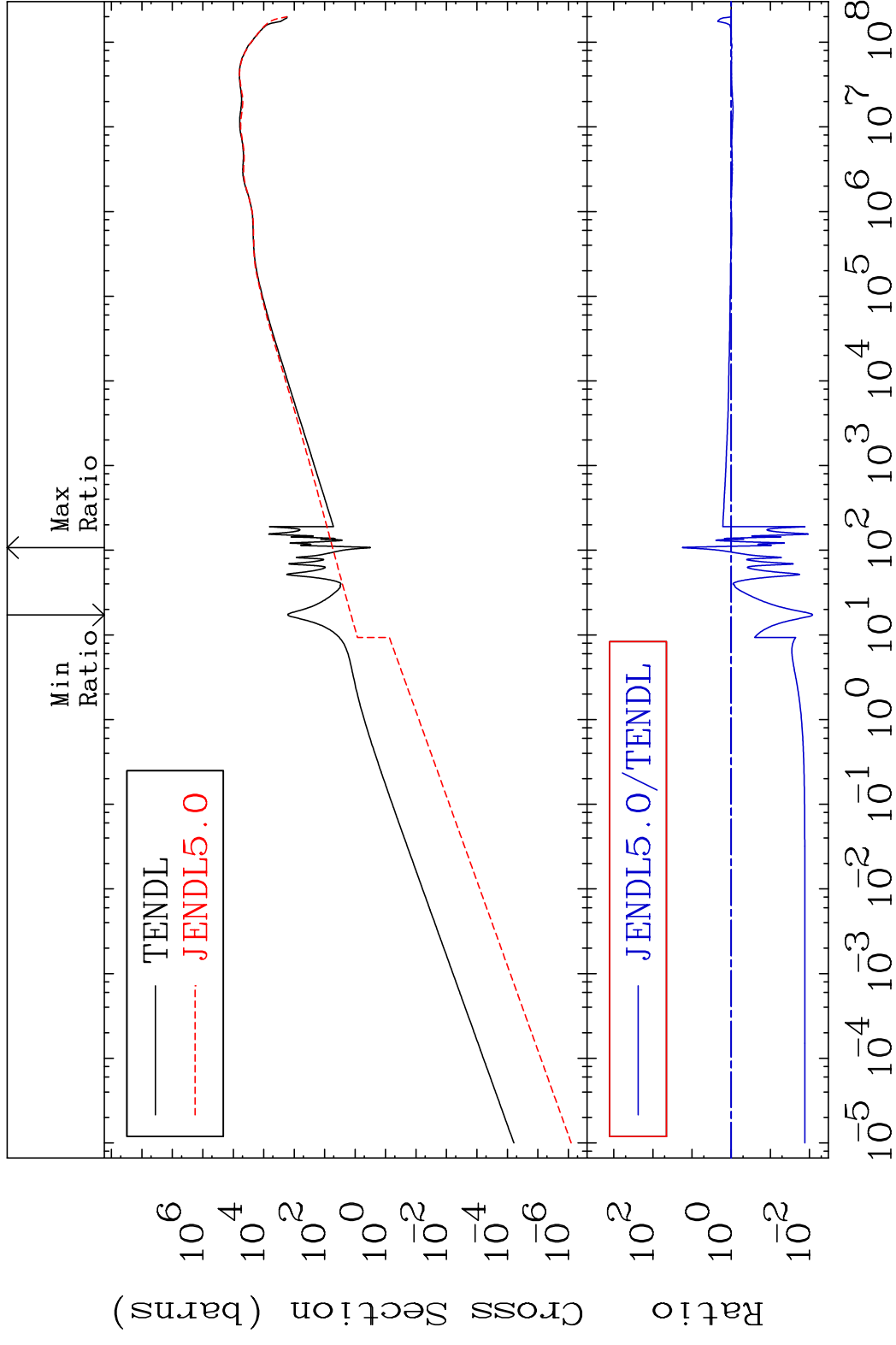
MAT 7928 Kerma total (eV-barns) 79-Au-198
 Cross Section -99.42 To 796.1 %



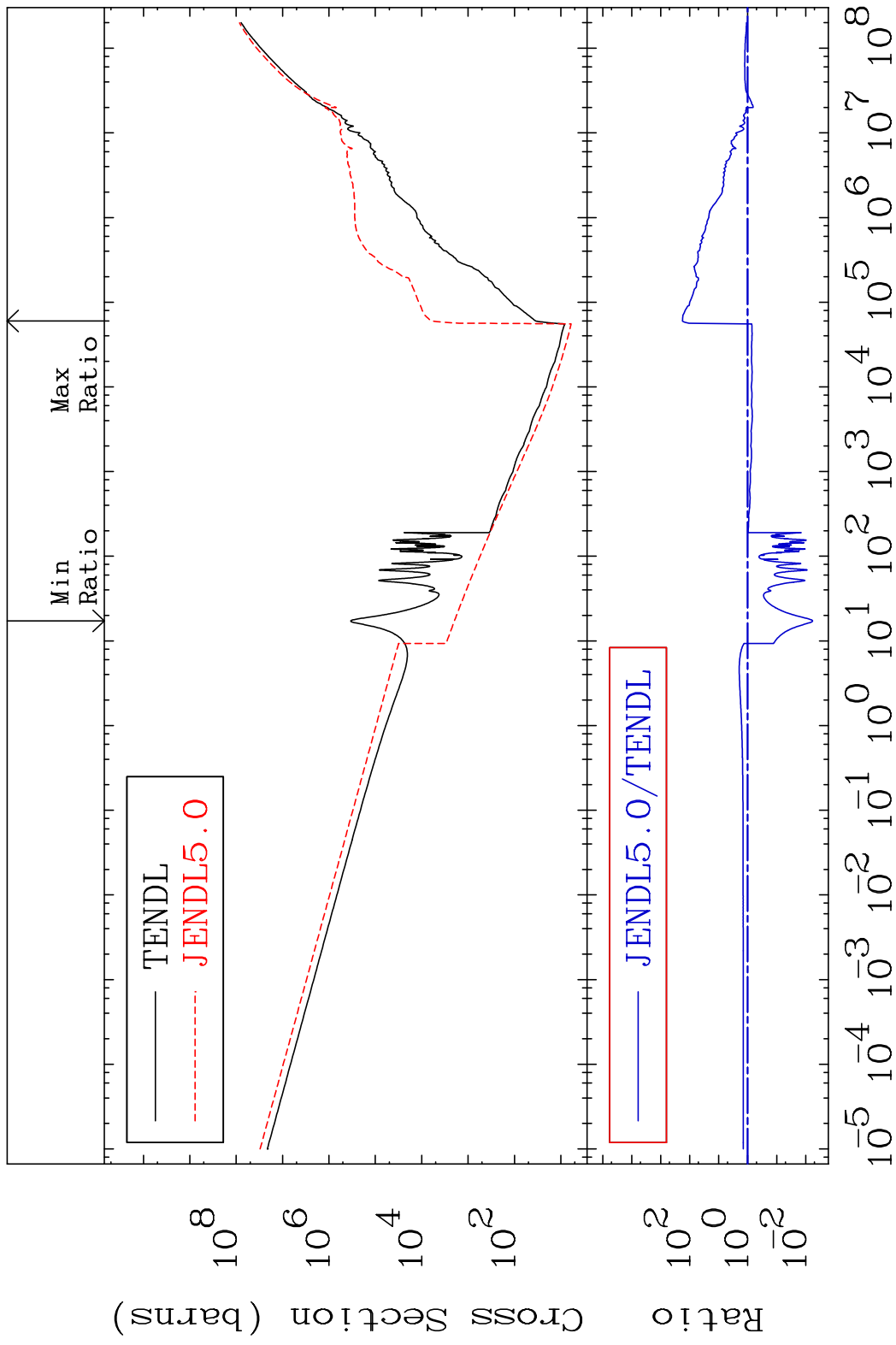
MAT 7928

Kerma elastic
Cross Section

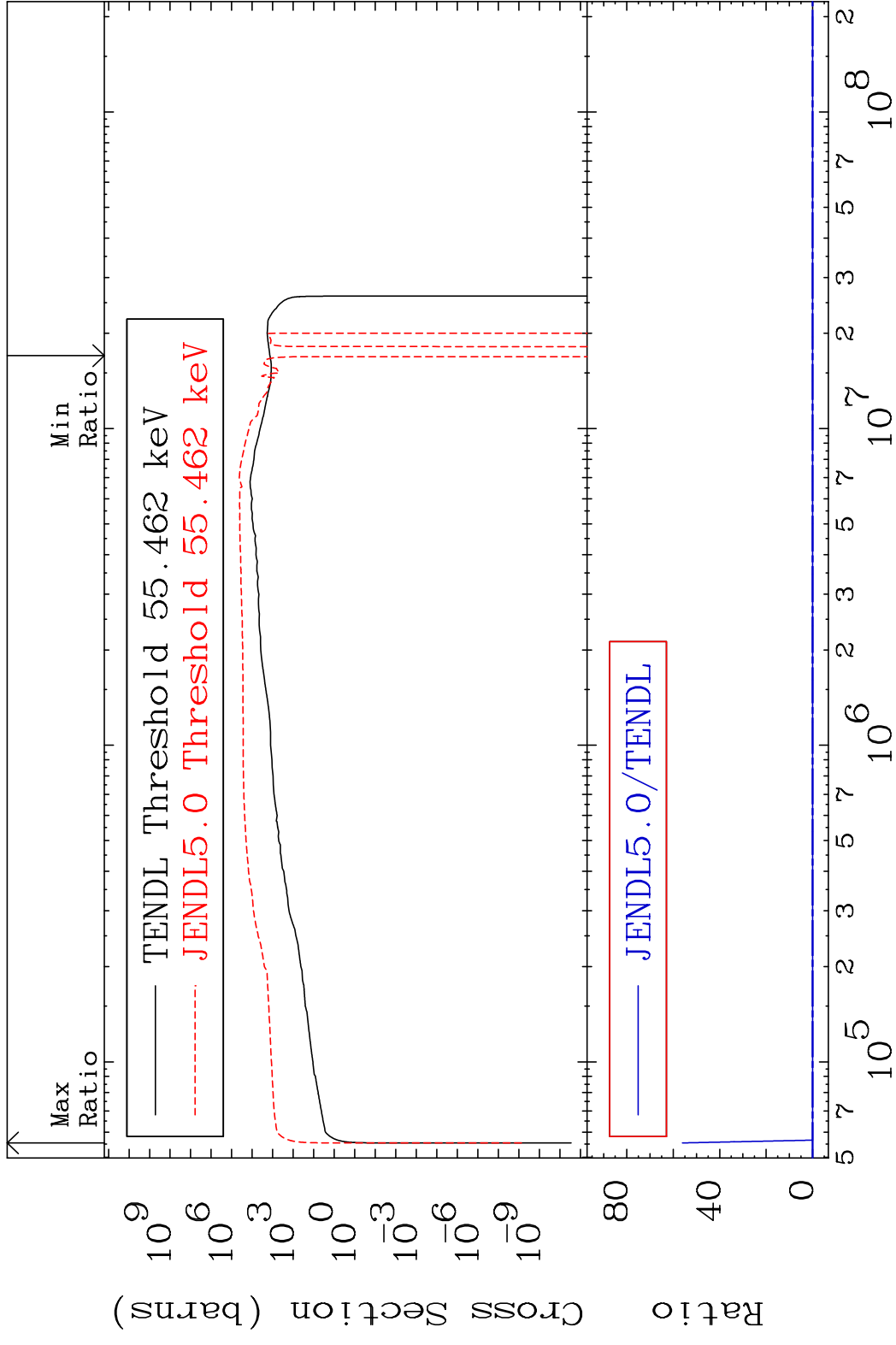
79-Au-198
-99.16 To 1671. %



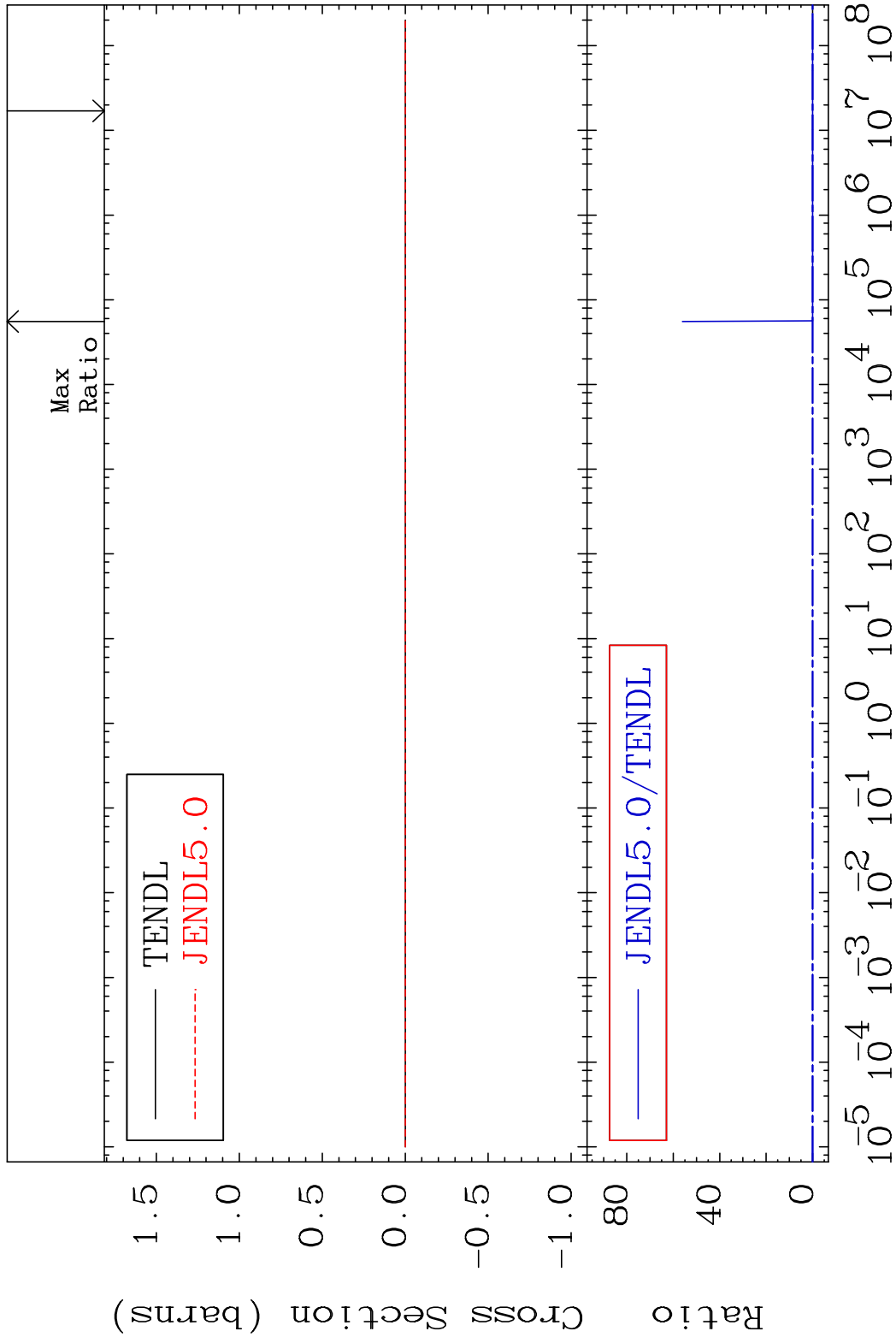
MAT 7928 Kerma non-elastic (all but mt2) 79-Au-198
 Cross Section -99.42 To 9999. %



MAT 7928 Kerma inelastic (mt51-91) 79-Au-198
 Cross Section -154.6 To 9999. %

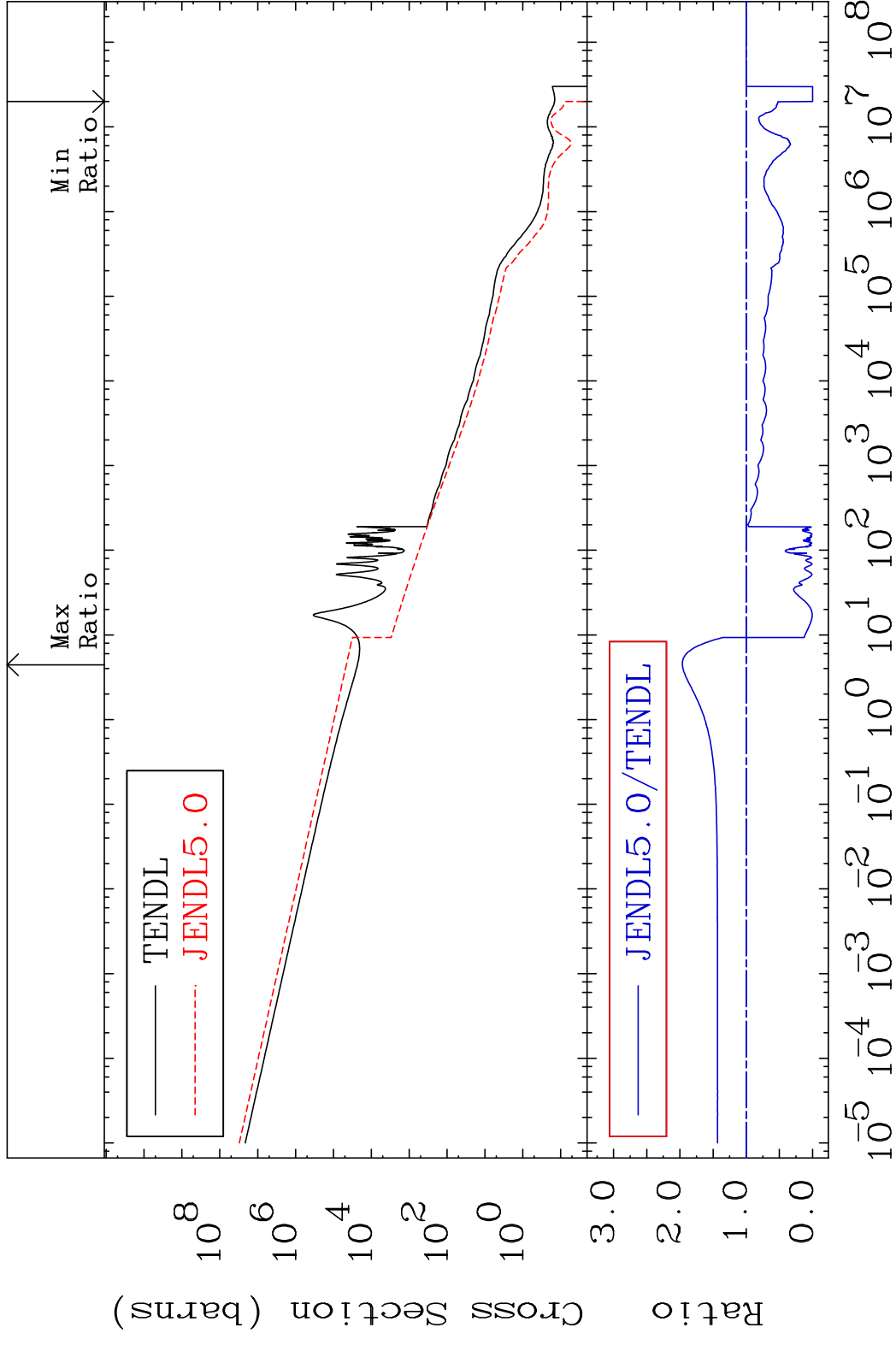


MAT 7928 Kerma fission (mt18 or mt19-20-21-38) 79-Au-198
 Cross Section -154.6 To 9999. %



MAT 7928

Kerma capture (mt102) 79-Au-198
Cross Section -100.0 To 96.32 %

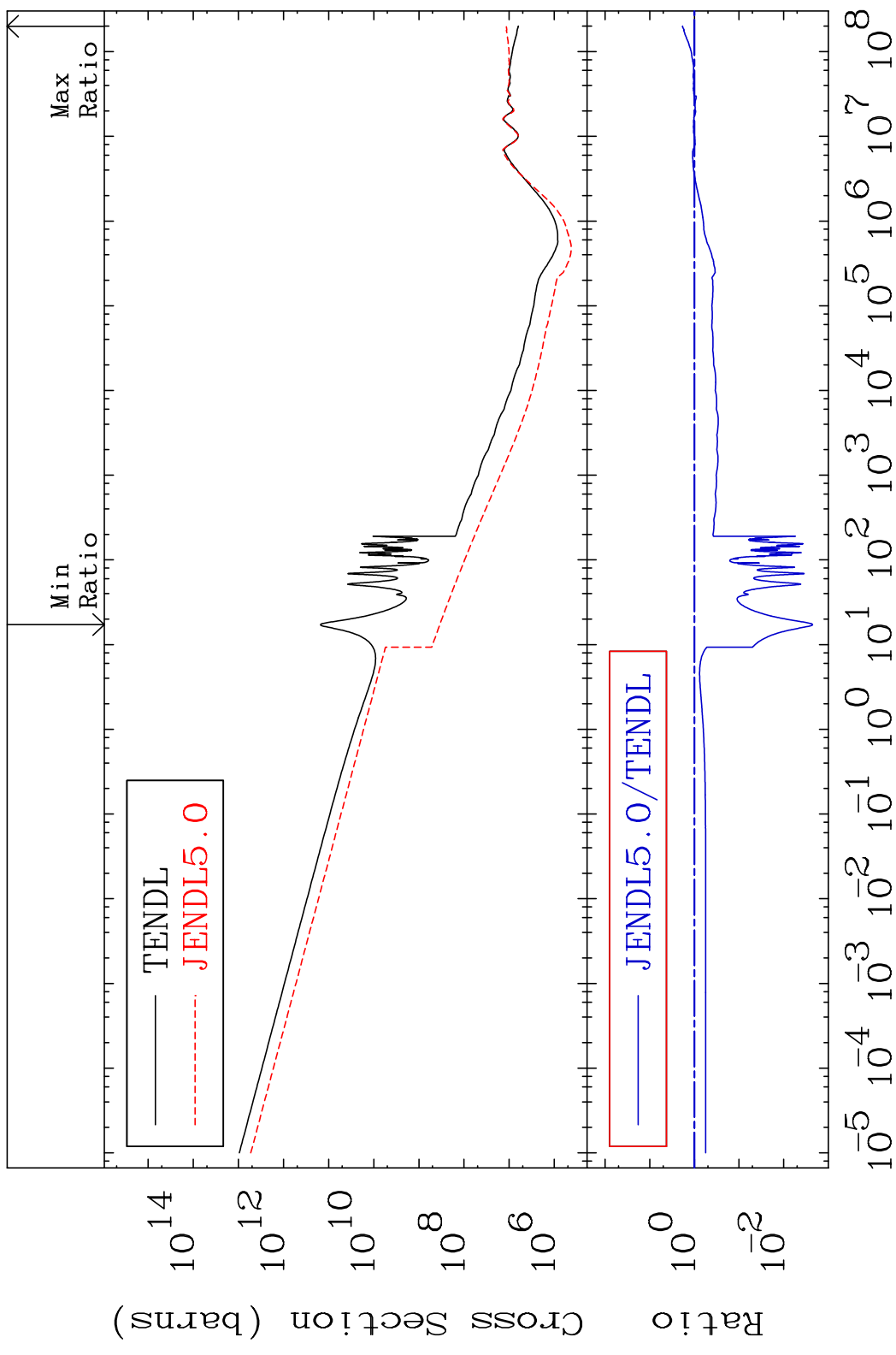


MAT 7928

Total photon (eV-barns)

79-Au-198

Cross Section -99.77 To 85.72 %

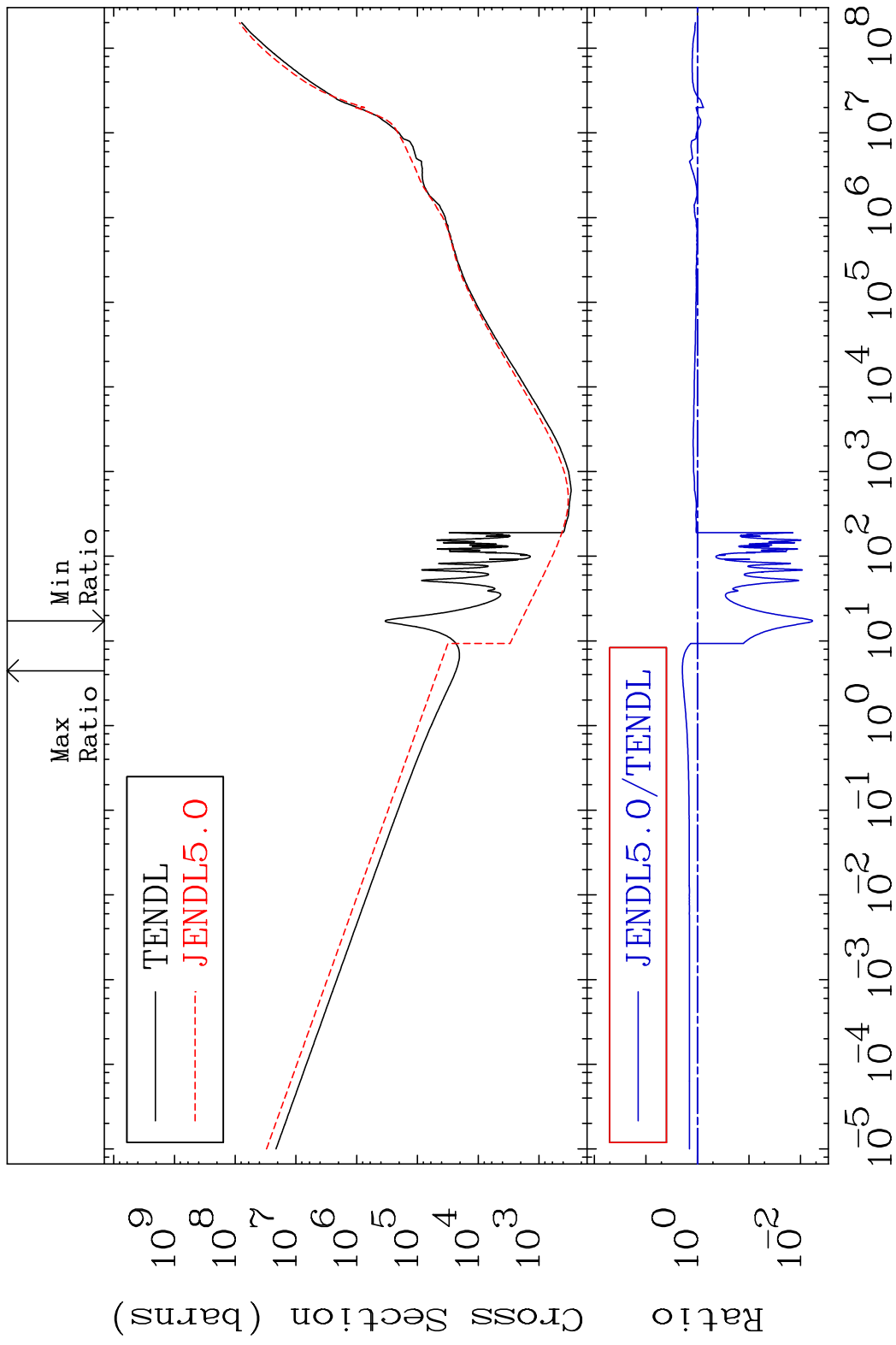


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Incident Energy (eV)

79-Au-198

MAT 7928 Total kinematic kerma (high limit) 79-Au-198
 Cross Section -99.42 To 96.20 %

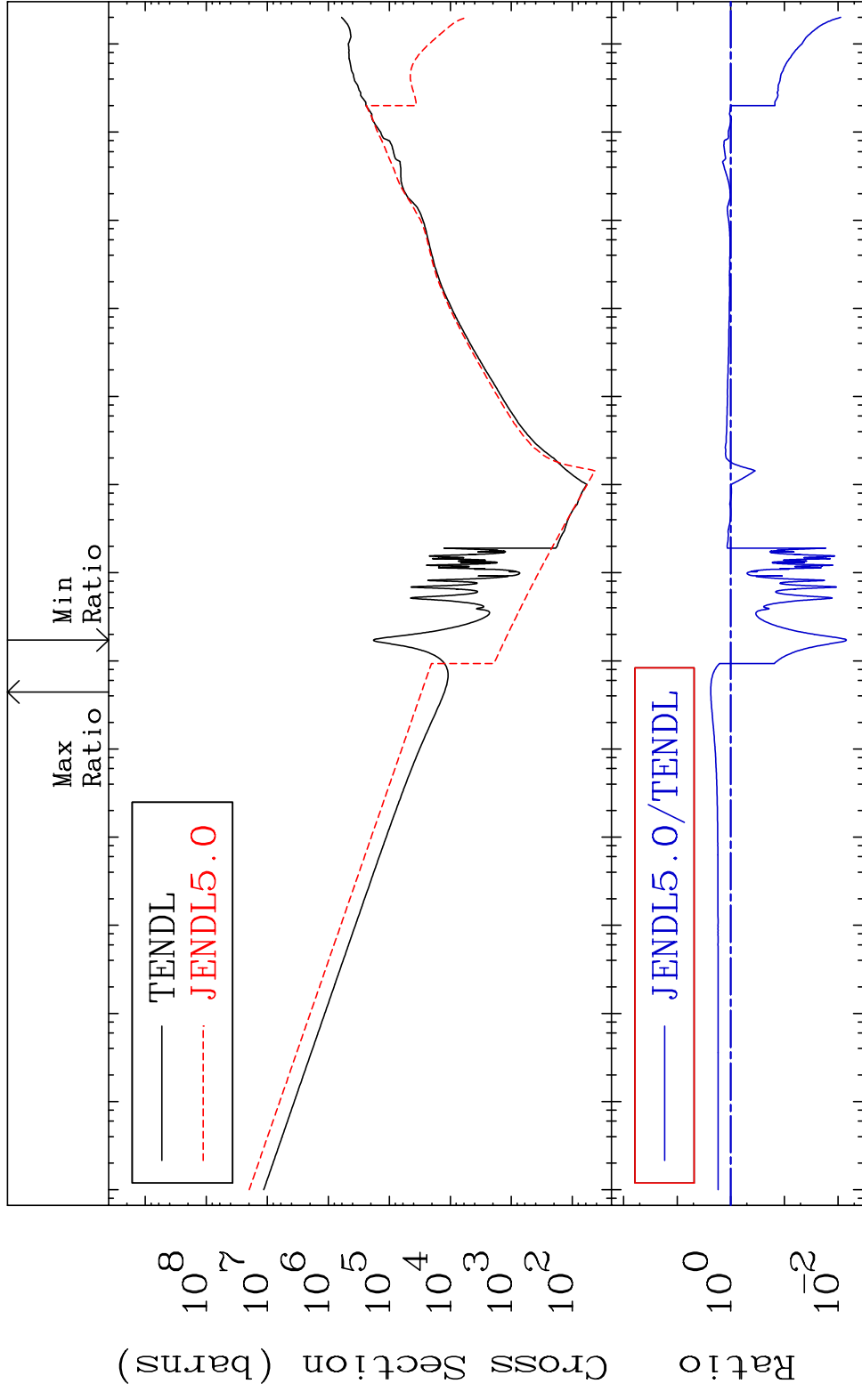


MAT 7928

Dpa total (eV-barns)

79-Au-198

Cross Section -99.30 To 137.0 %

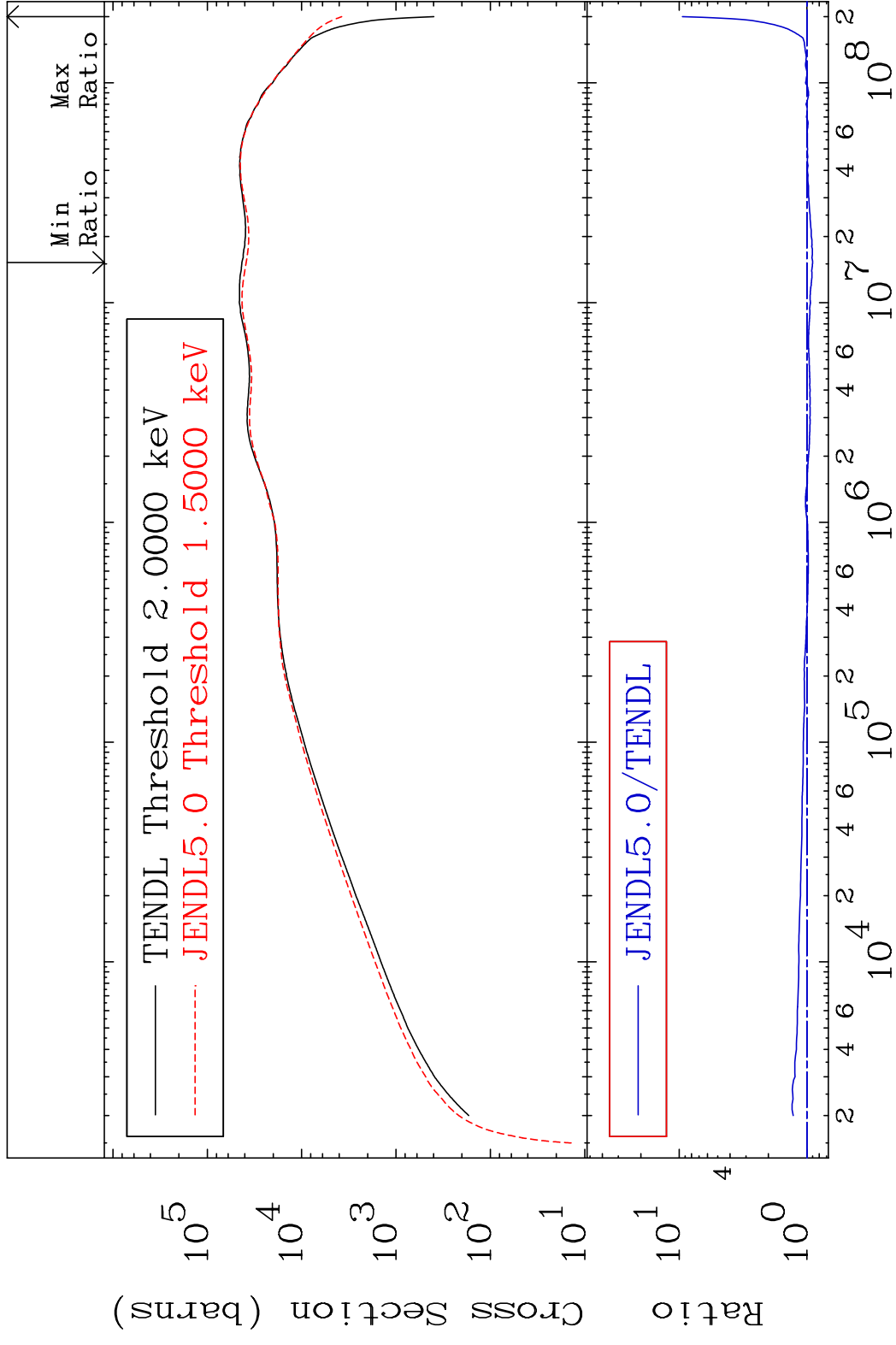


MAT 7928

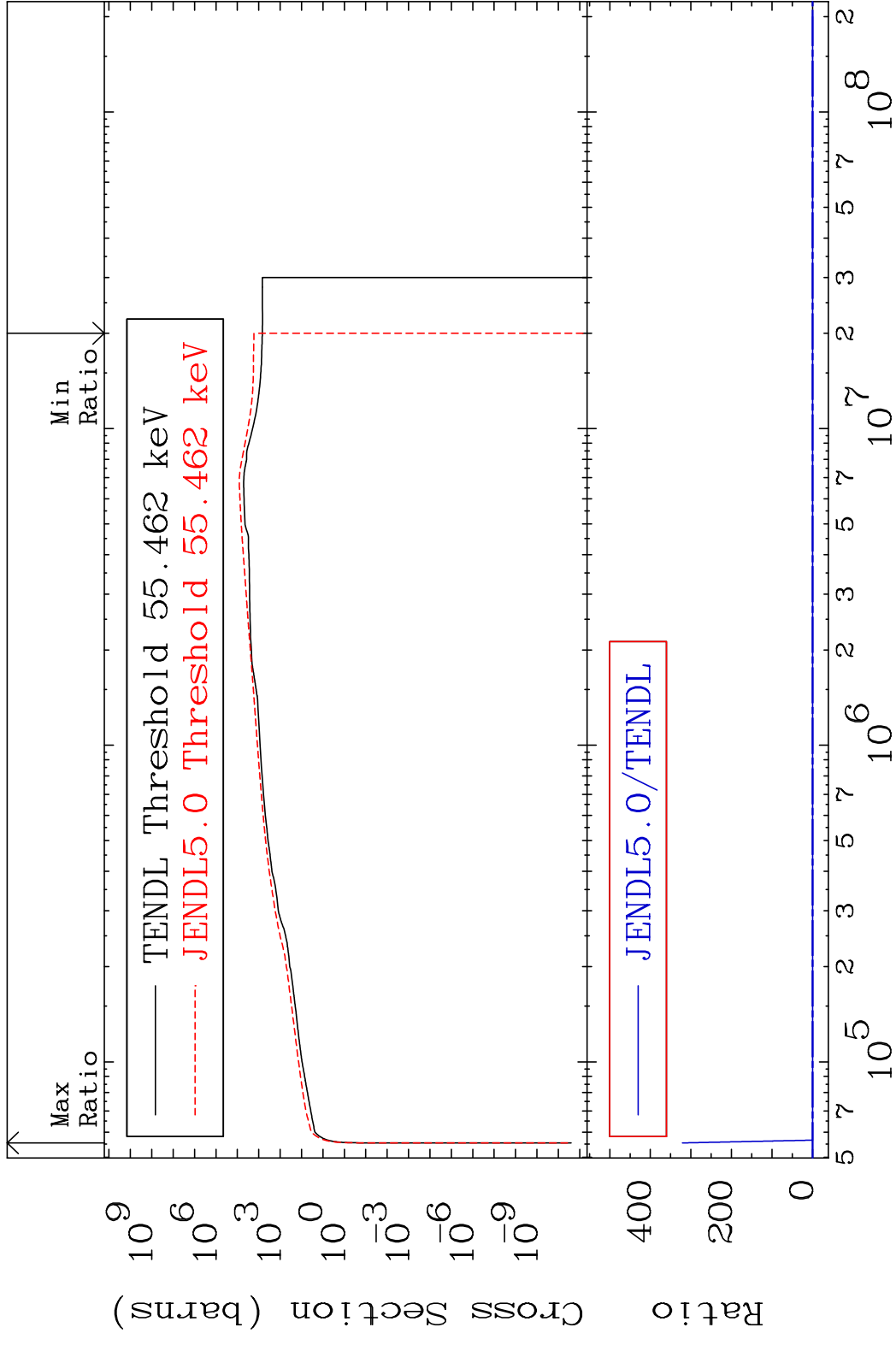
Dpa elastic (mt2)

79-Au-198

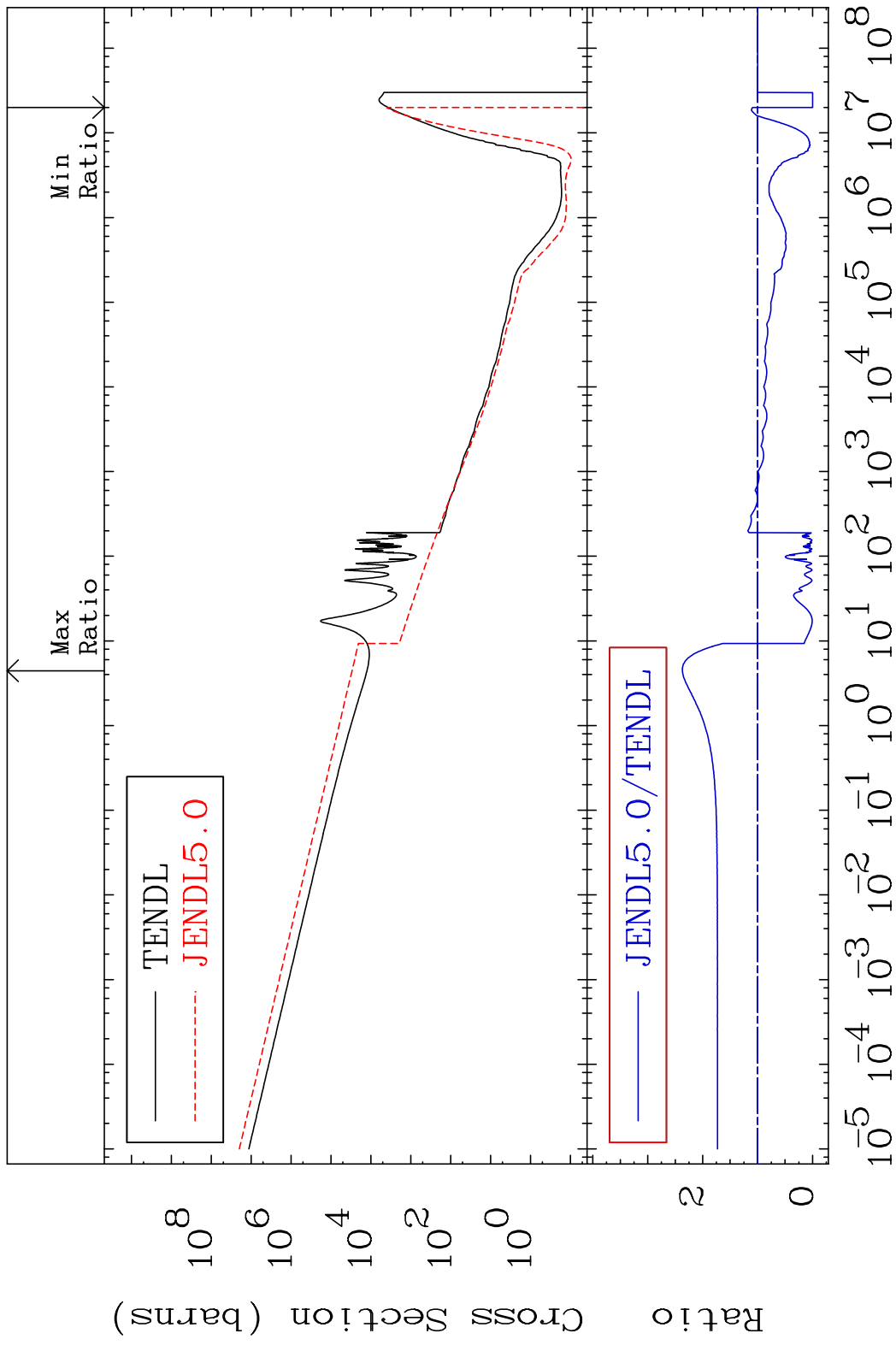
Cross Section -9.809 To 845.2 %



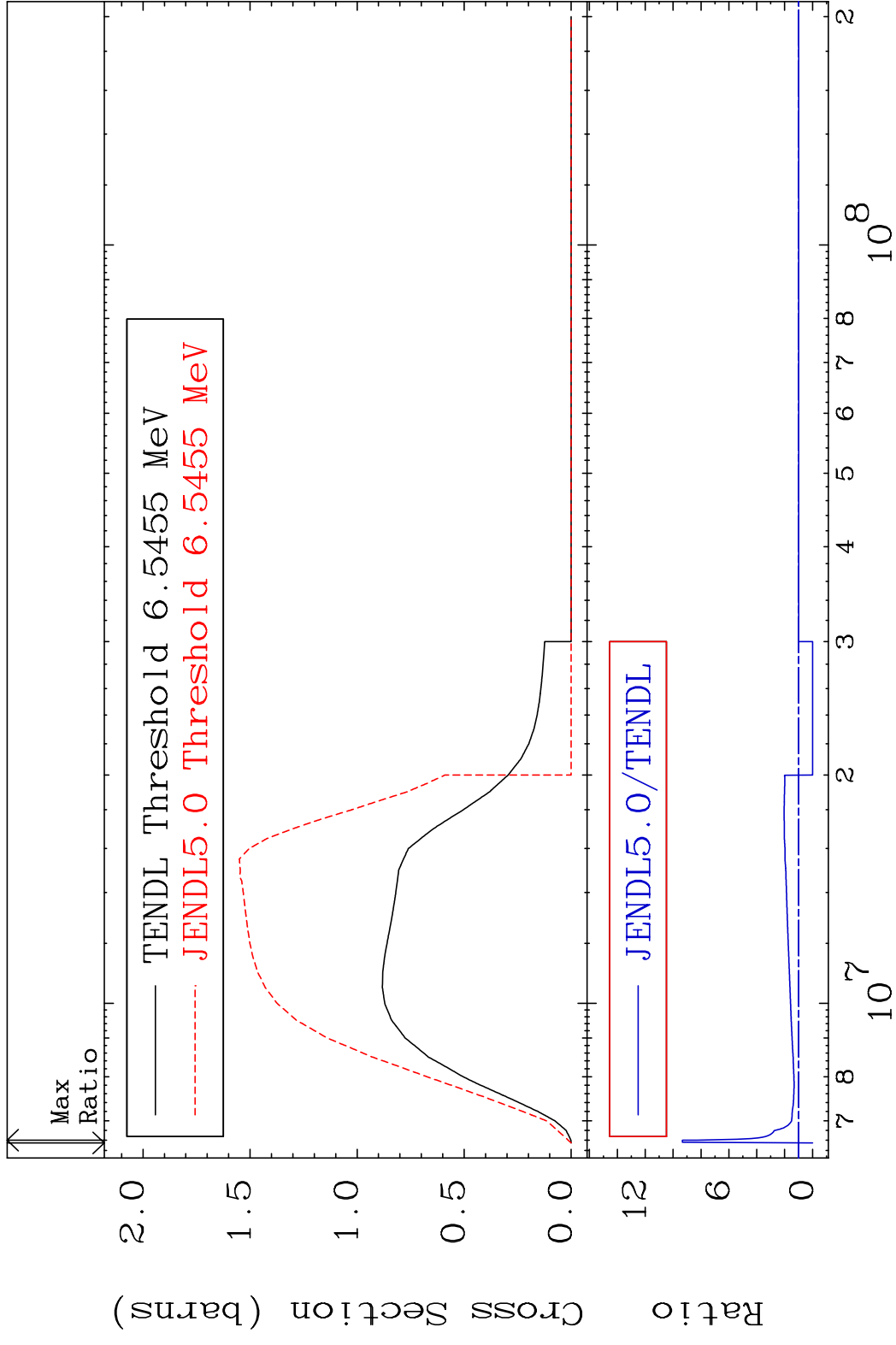
MAT 7928 Dpa inelastic (mt51-91) 79-Au-198
 Cross Section -100.0 To 9999. %



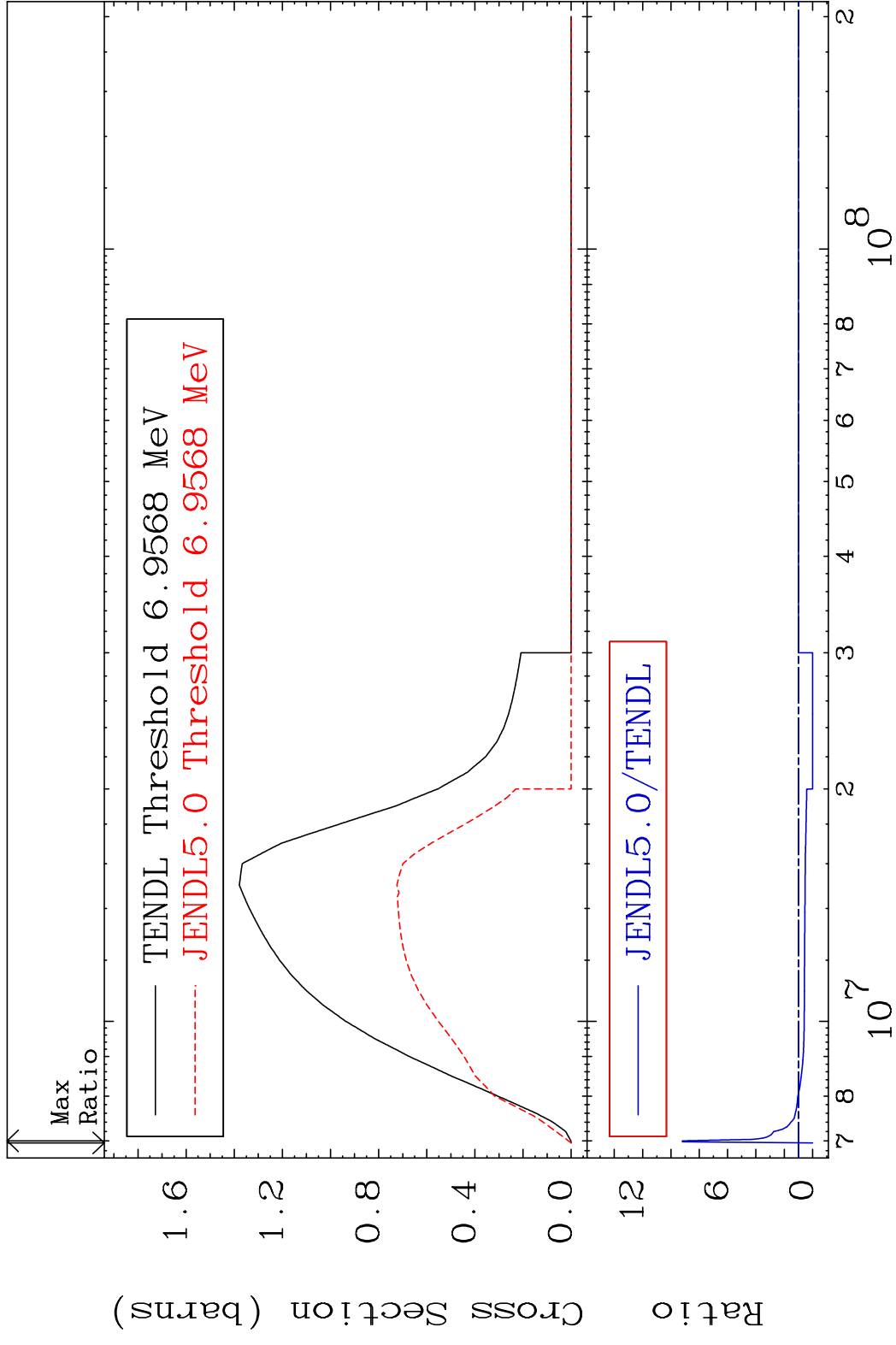
MAT 7928 Dpa disappearance (mt102 -120) 79-Au-198
 Cross Section -100.0 To 137.0 %

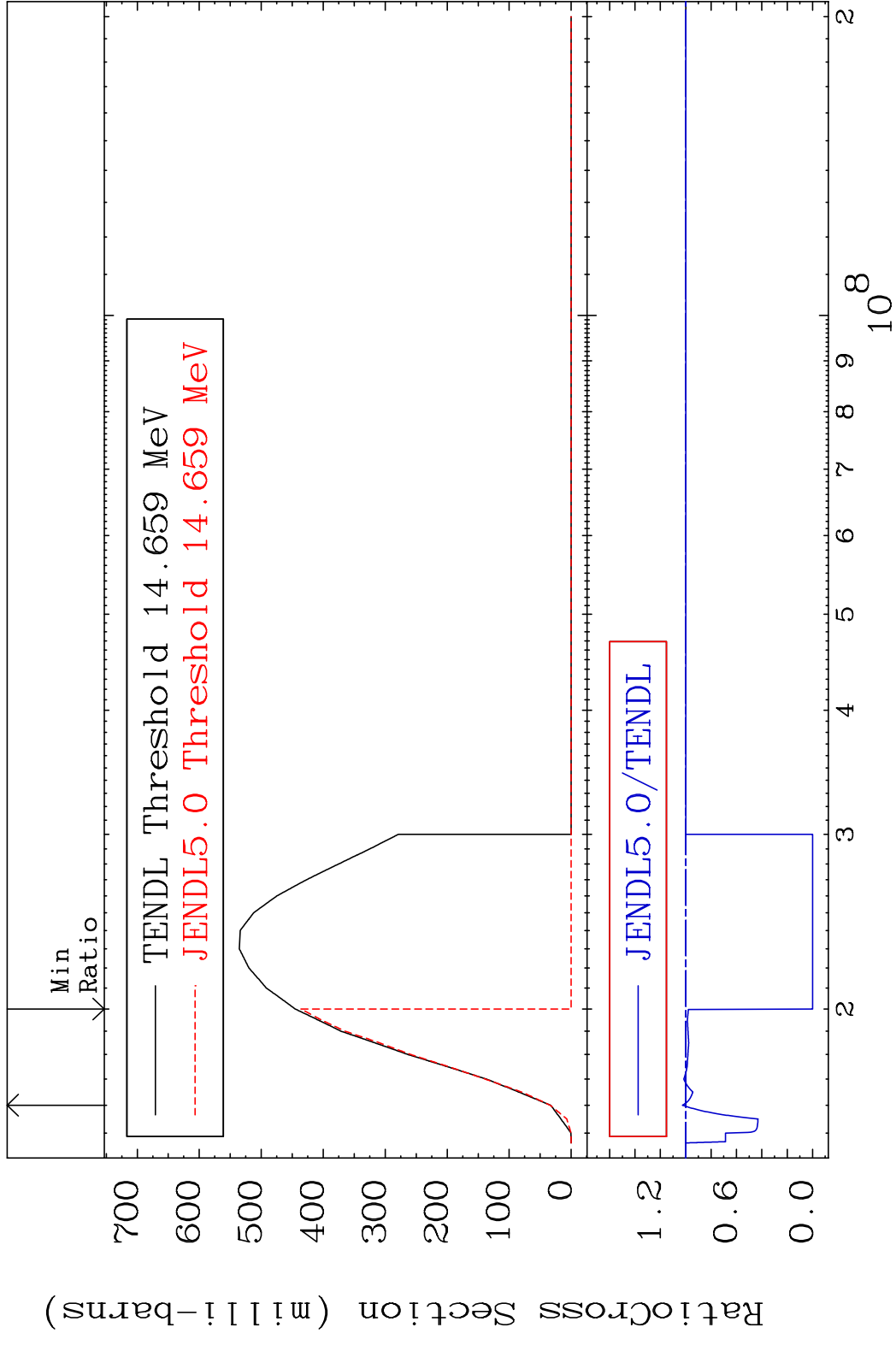


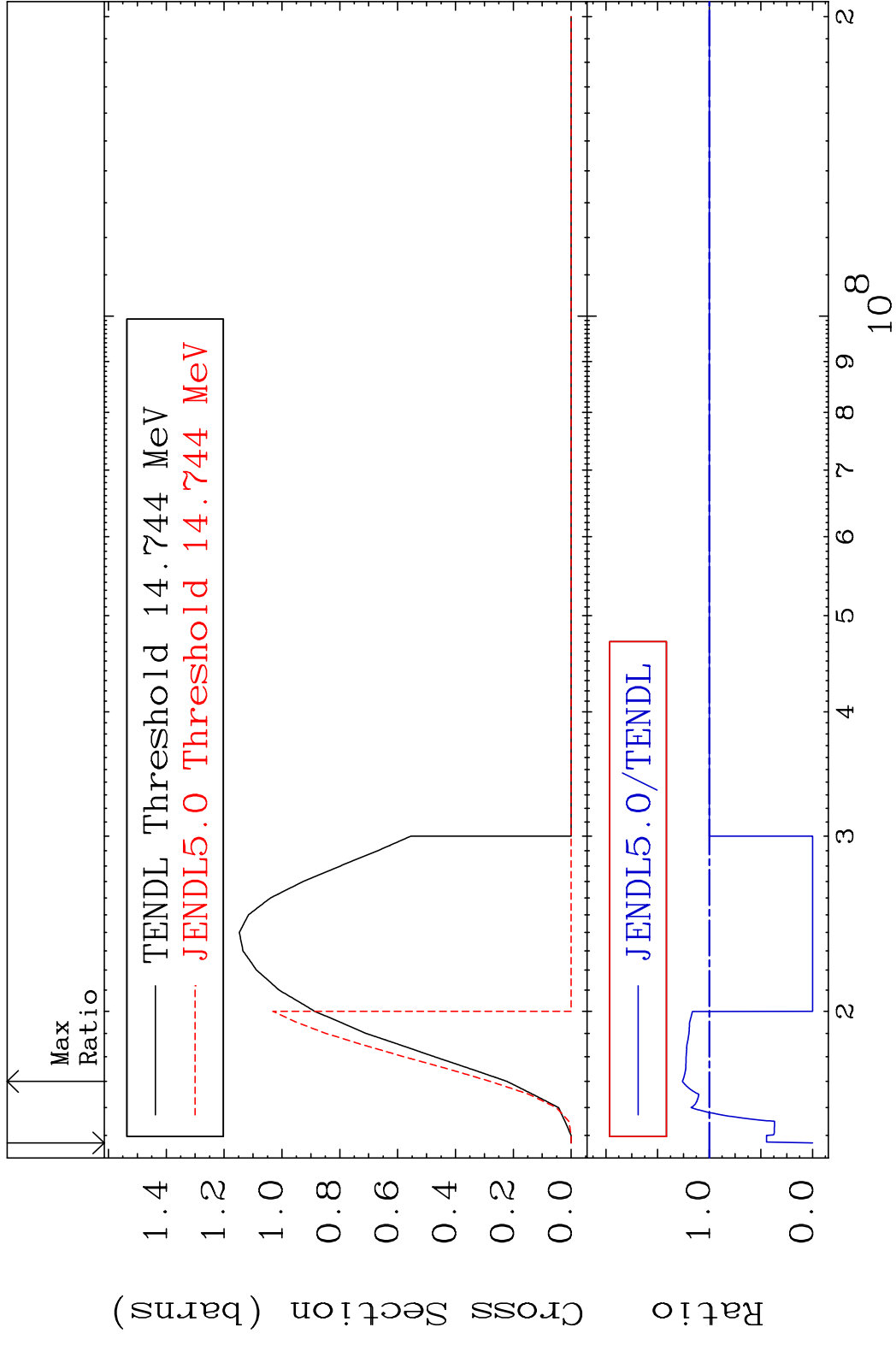
MAT 7928 (n,2n):79-Au-197g 79-Au-198
 Radionuclide Production Cross Section 833.7 %



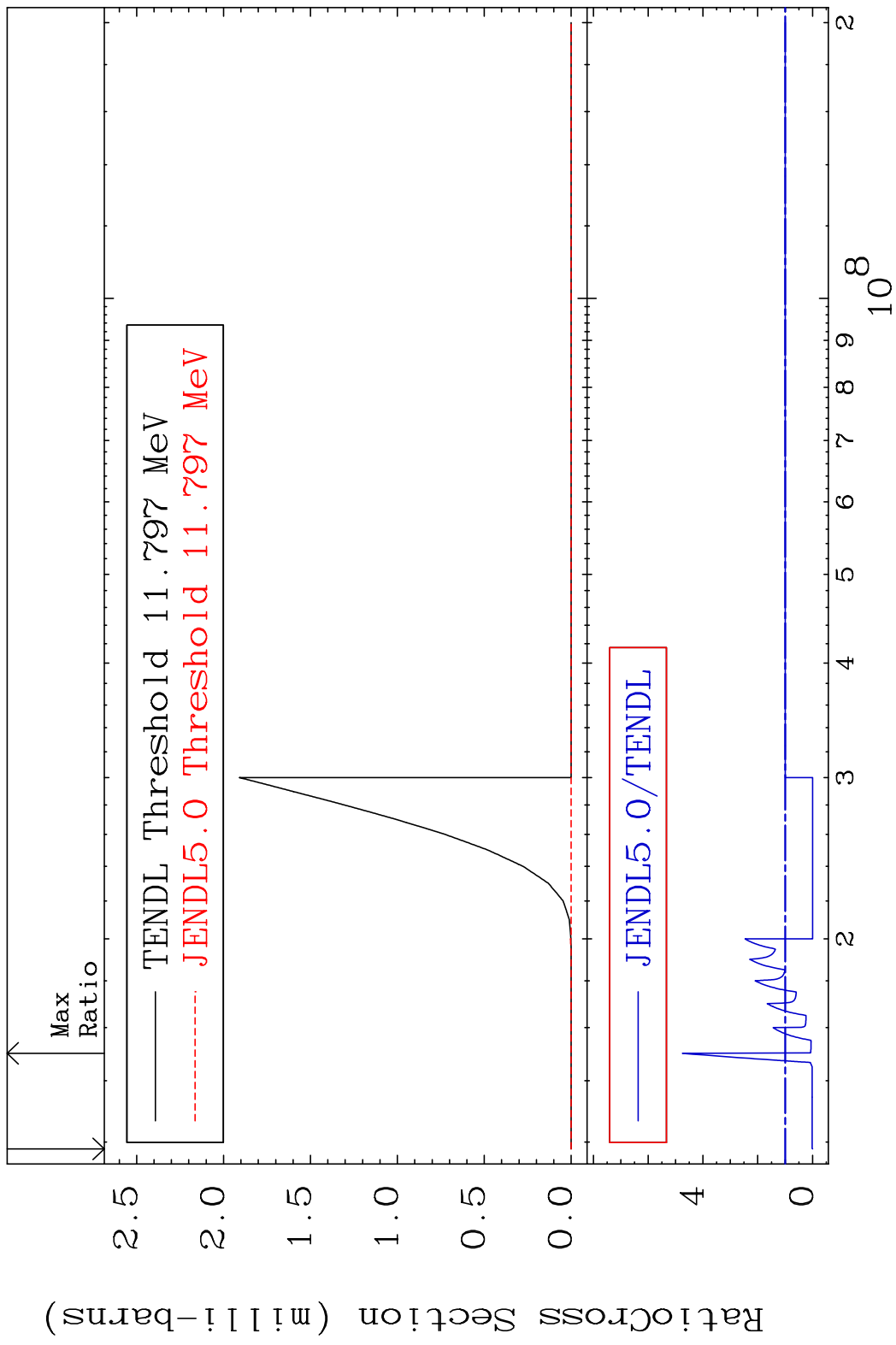
MAT 7928 (n,2n):79-Au-197m4 79-Au-198
 Radionuclide Production Cross Section Ratio 819.4 %







MAT 7928 (n, n') t:78-Pt-195g 79-Au-198
 Radionuclide Production Cross Section 180.0 dth 375.2 %



MAT 7928 (n, n') t:78-Pt-195m7 79-Au-198
 Radionuclide Production Cross Section 180.0 mb 0.000 %

