

Program Complot
(Version 2021-1)

by

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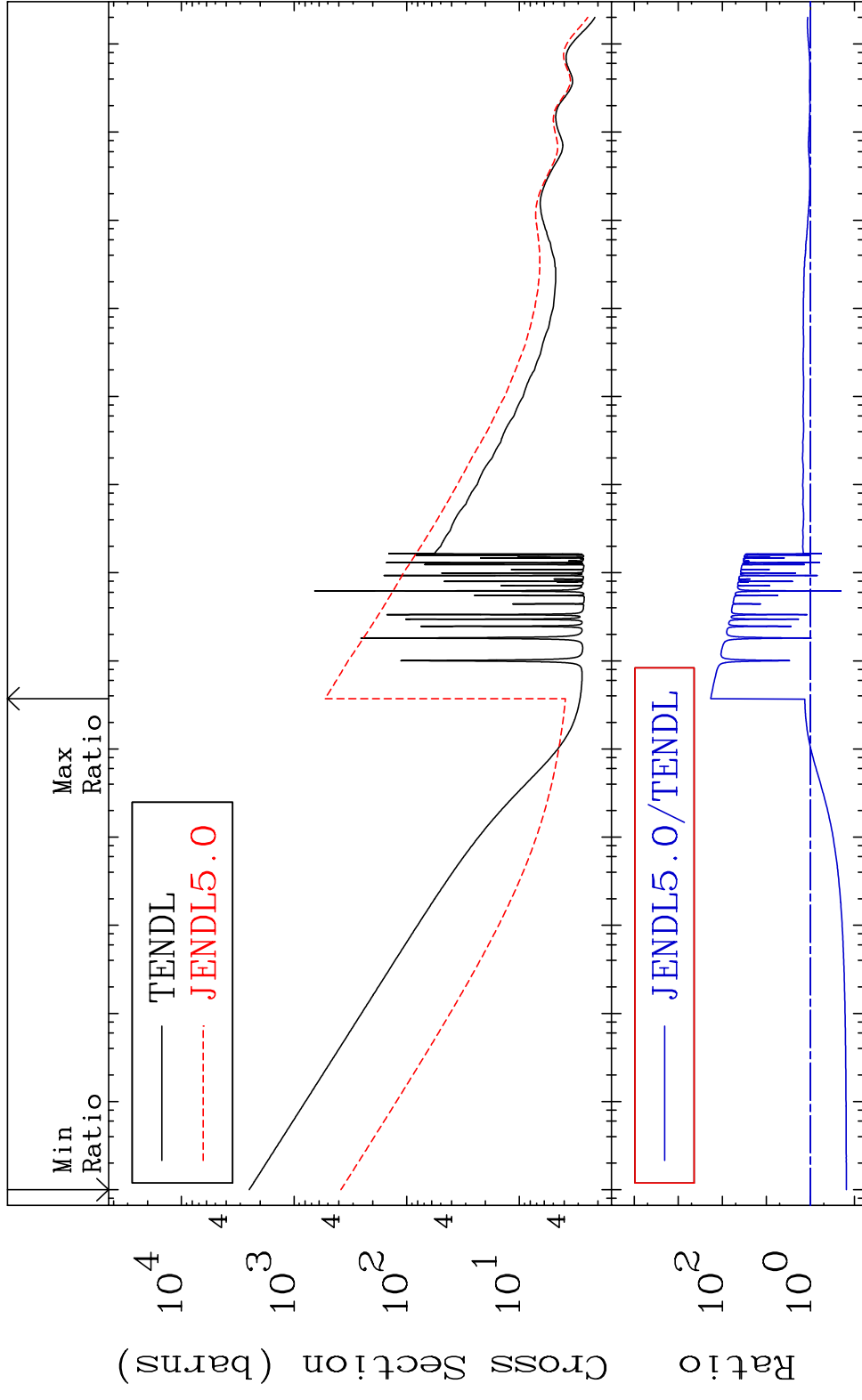
Press Mouse Button to Start

MAT 5628

Total

56-Ba-131

Cross Section -84.67 To 9999. %



1

Incident Energy (eV)

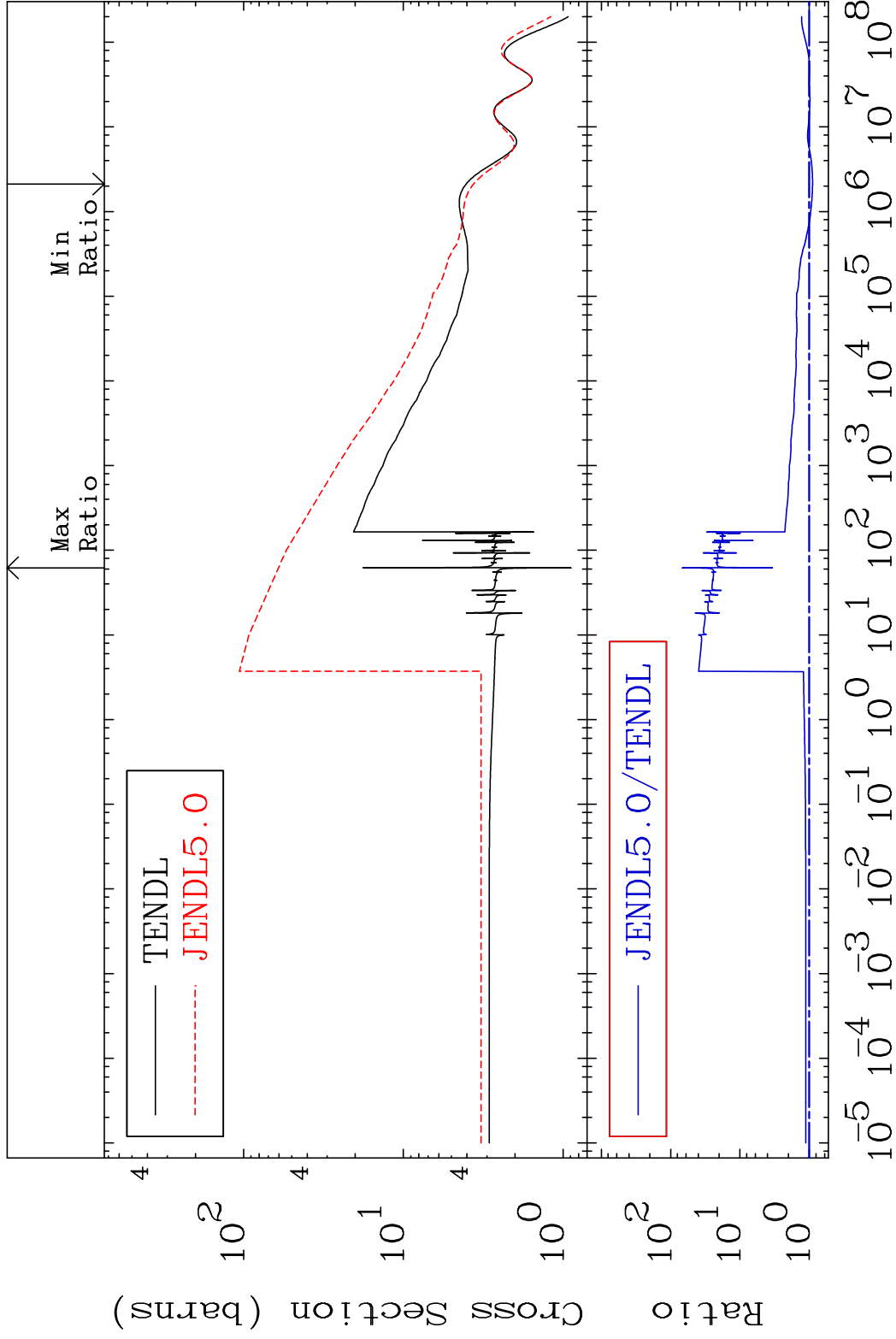
56-Ba-131

MAT 5628

Elastic

56-Ba-131

Cross Section -10.34 To 6681. %

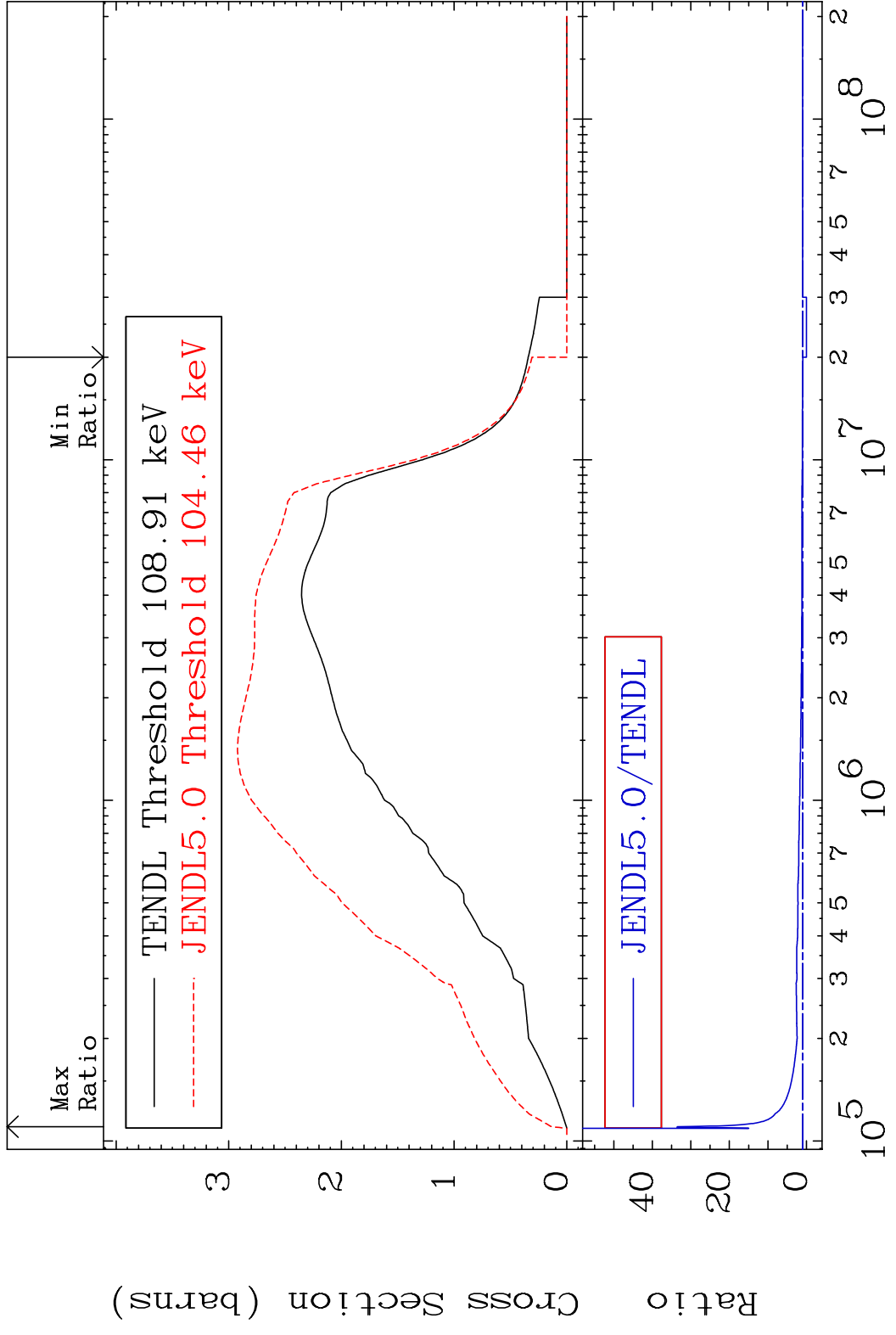


2

Incident Energy (eV)

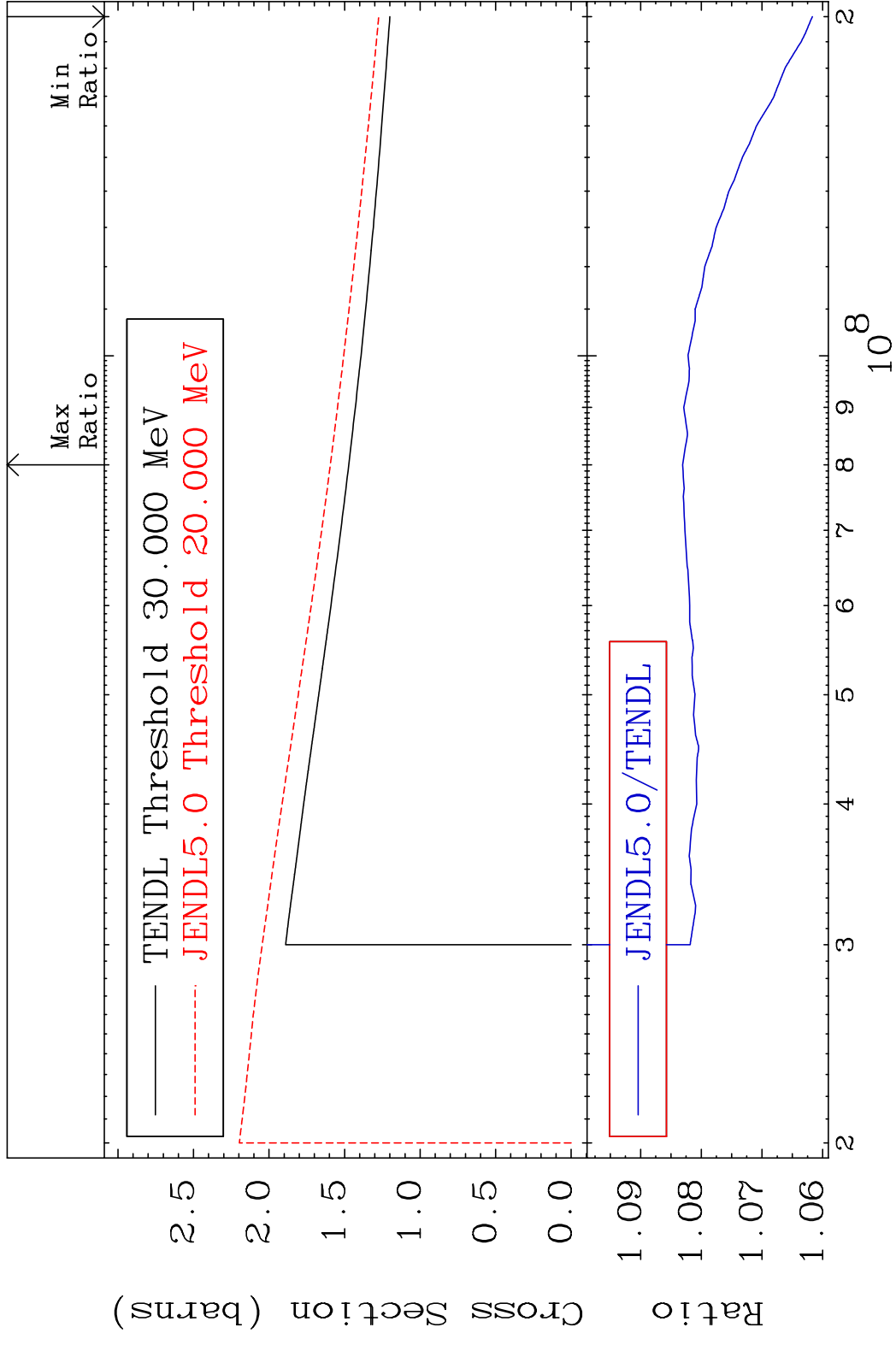
56-Ba-131

MAT 5628 Inelastic 56-Ba-131
 Cross Section -100.0 To 3255. %



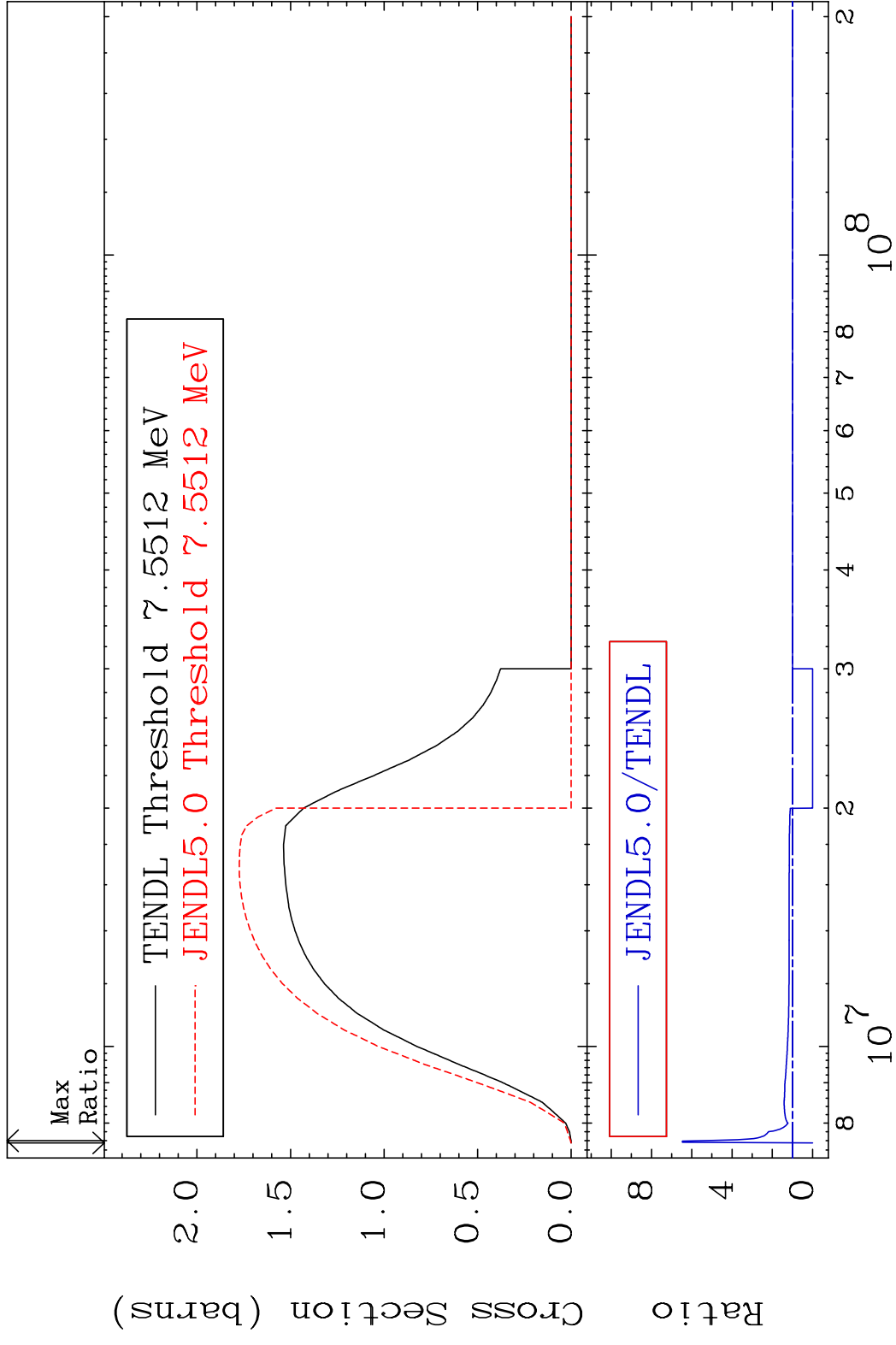
3 Incident Energy (eV) 56-Ba-131

MAT 5628 (n, remainder) 56-Ba-131
 Cross Section 6.171 To 8.307 %



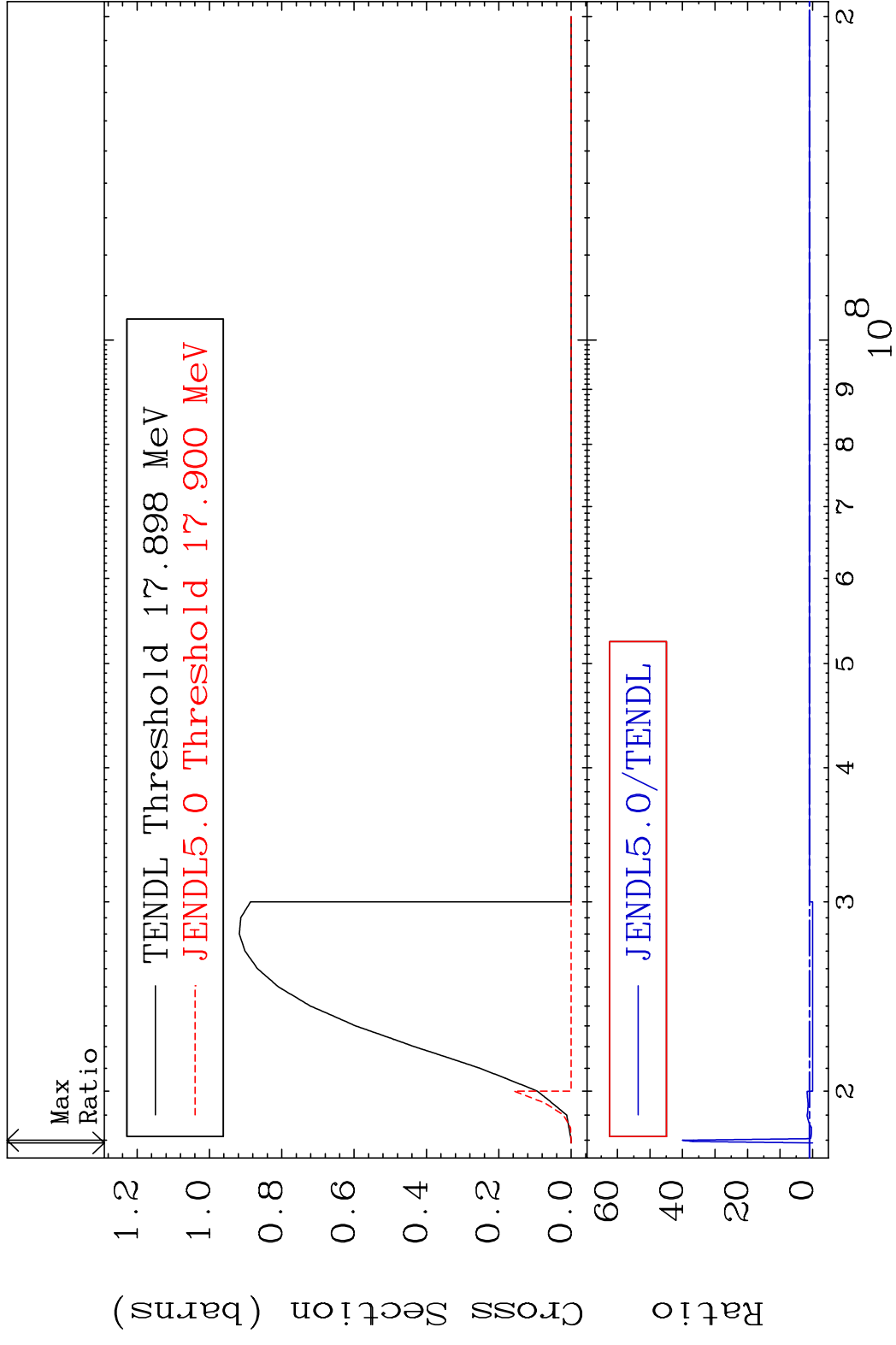
4 Incident Energy (eV) 56-Ba-131

MAT 5628 (n,2n) 56-Ba-131
 Cross Section -100.0 To 546.8 %



5 Incident Energy (eV) 56-Ba-131

MAT 5628 (n,3n) 56-Ba-131
 Cross Section -100.0 To 3904. %

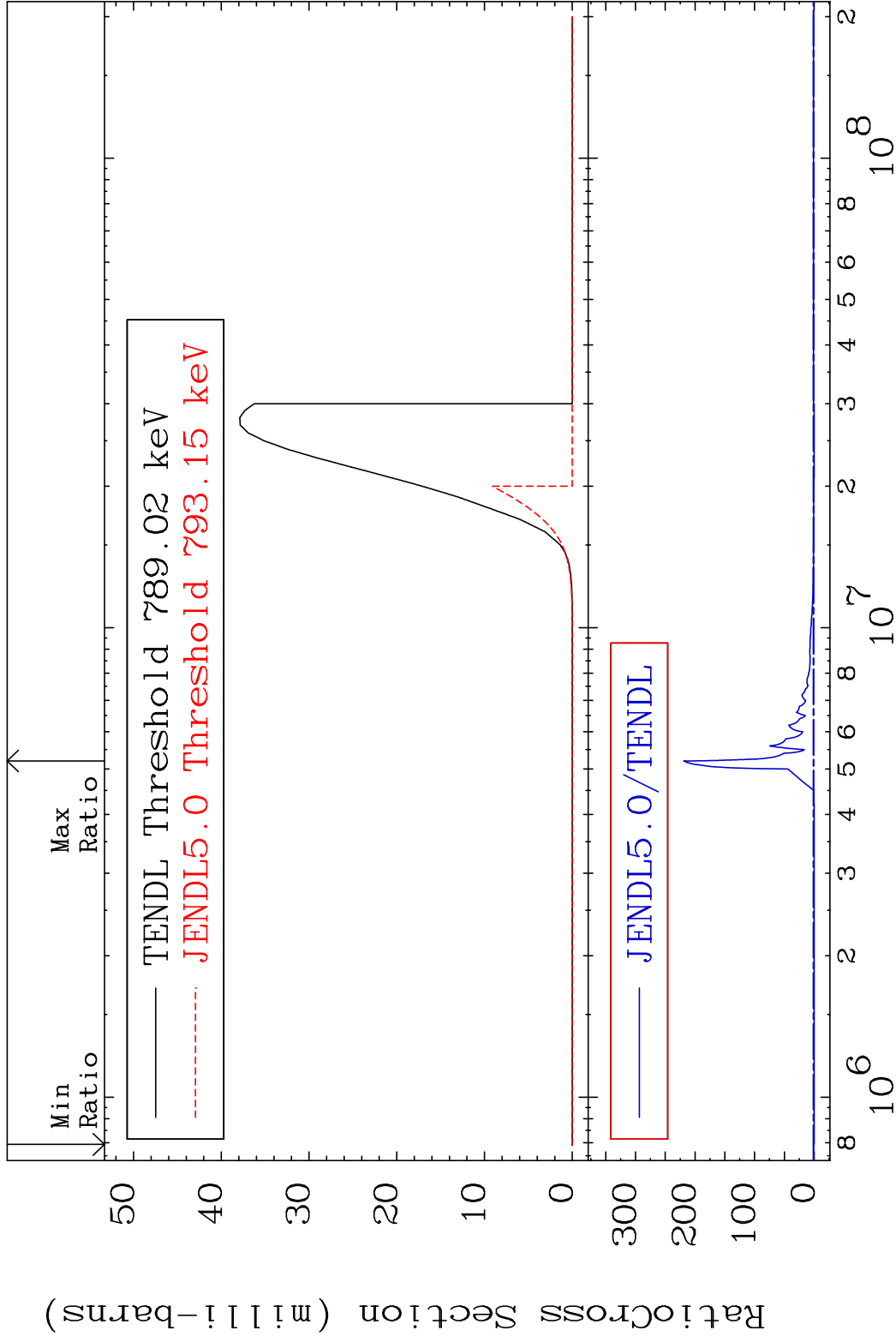


MAT 5628

(n, n') α

56-Ba-131

Cross Section -100.0 To 9999. %

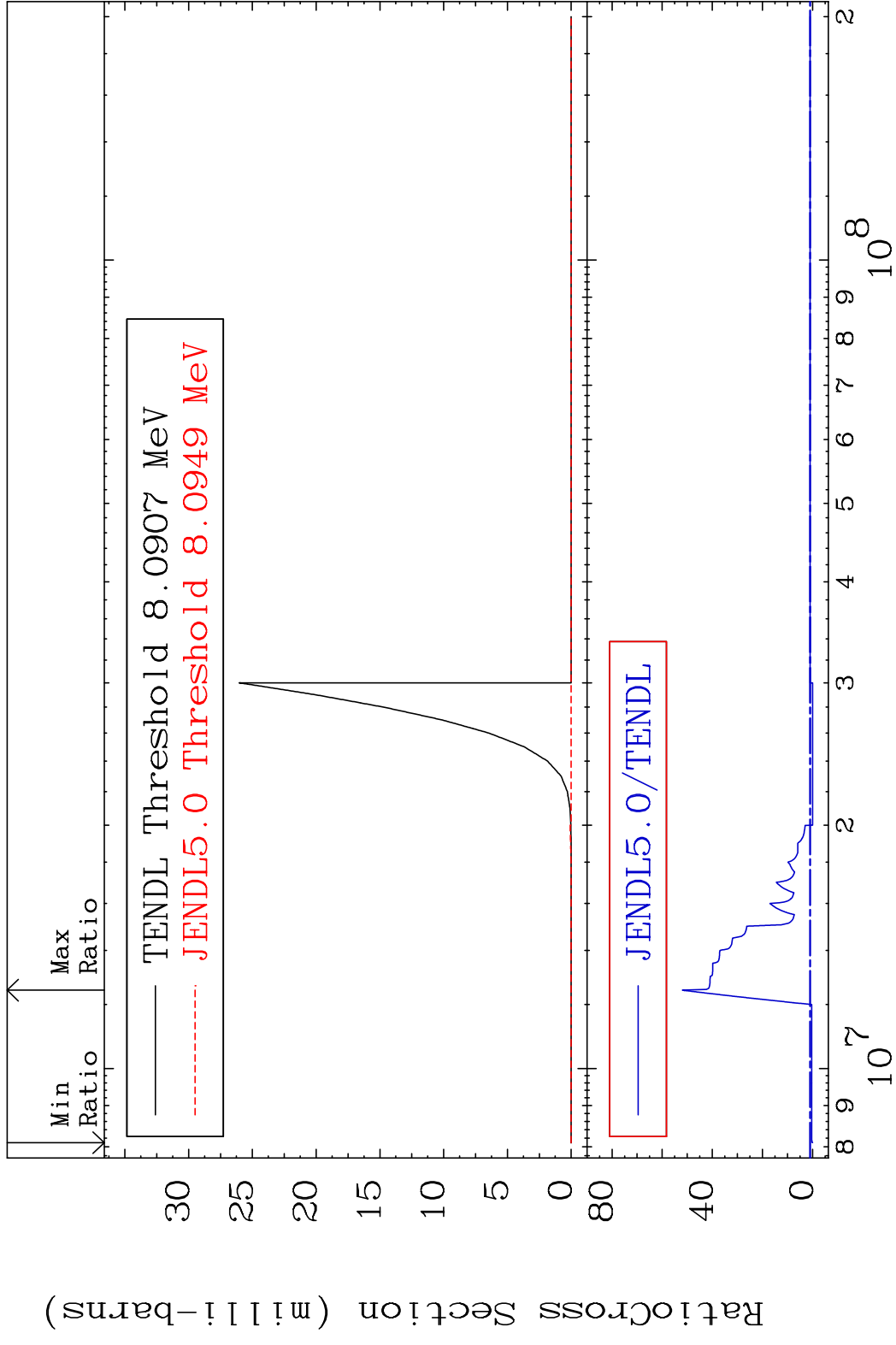


7

Incident Energy (eV)

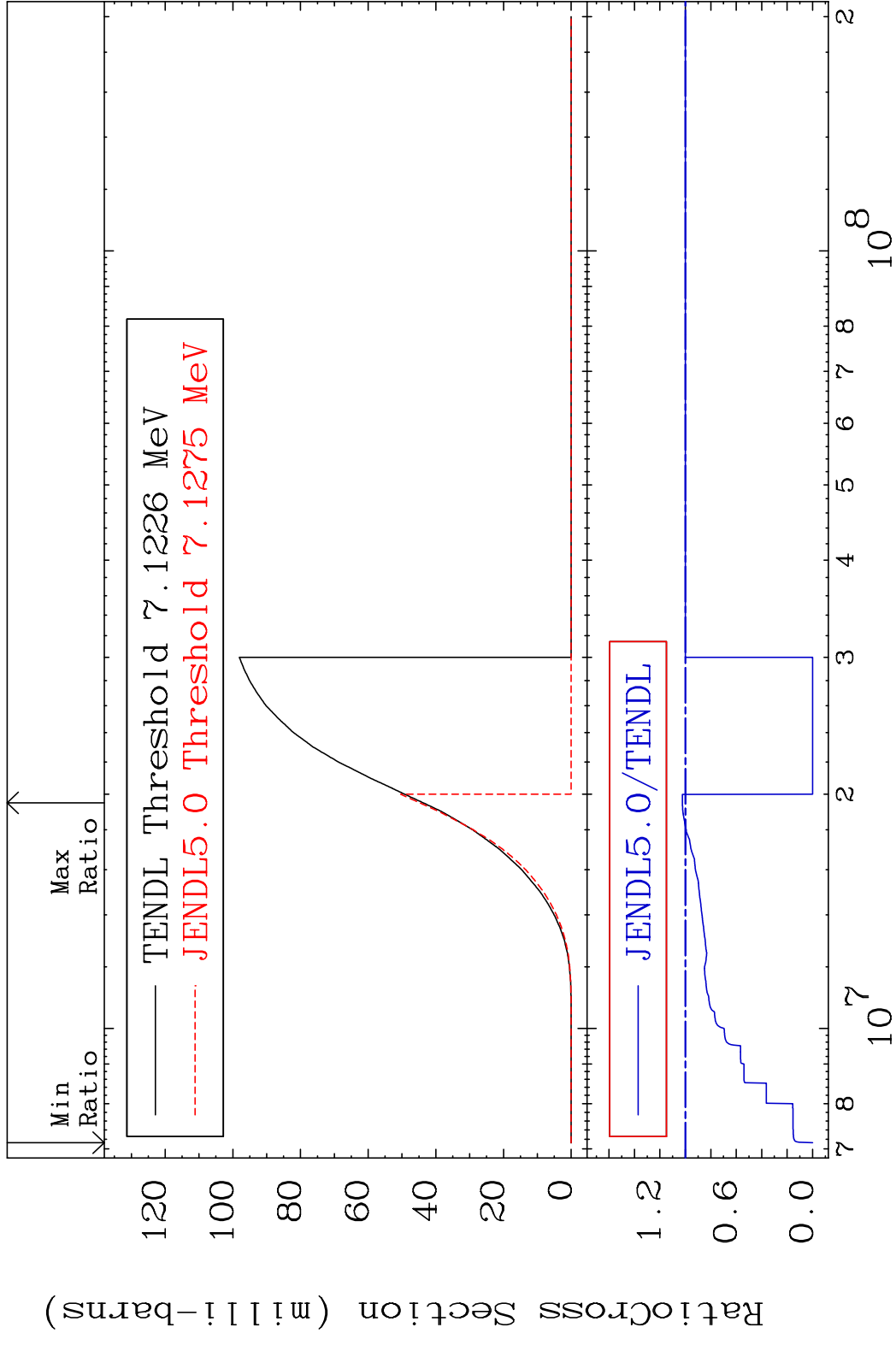
56-Ba-131

MAT 5628 (n,2n) α 56-Ba-131
 Cross Section -100.0 To 5095. %



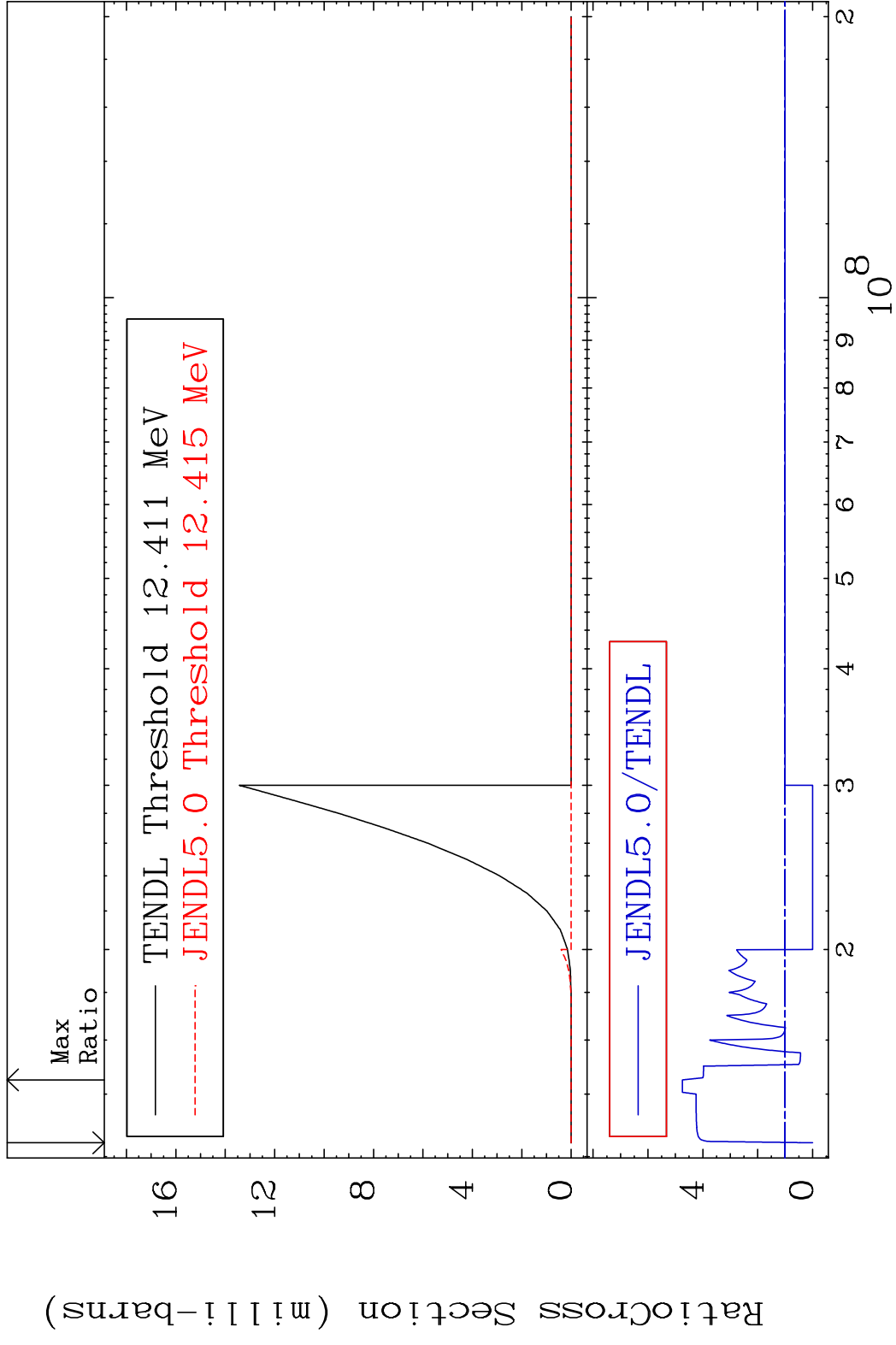
8 Incident Energy (eV) 56-Ba-131

MAT 5628 (n, n') p 56-Ba-131
 Cross Section -100.0 To 2.356 %

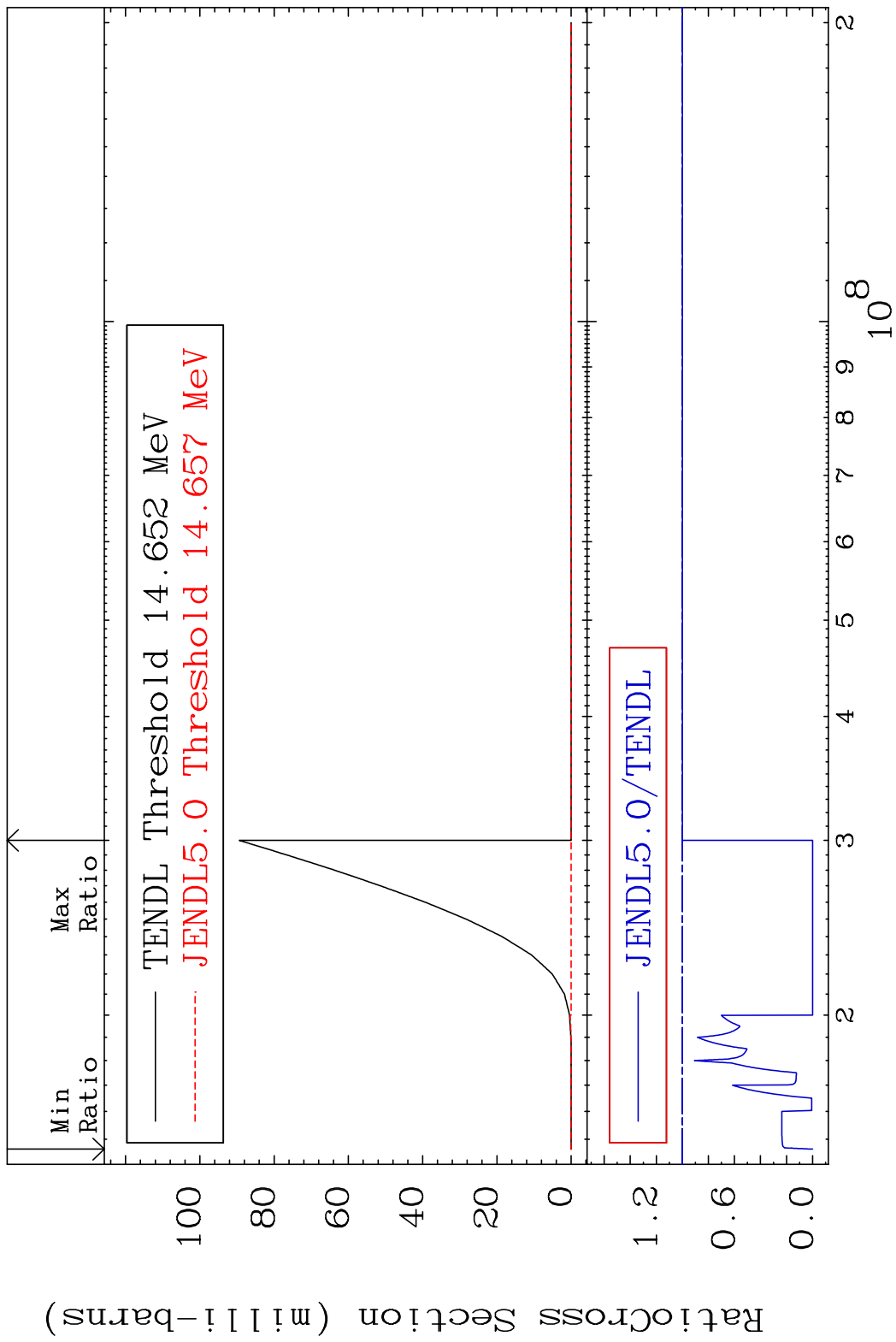


9 9 Incident Energy (eV) 56-Ba-131

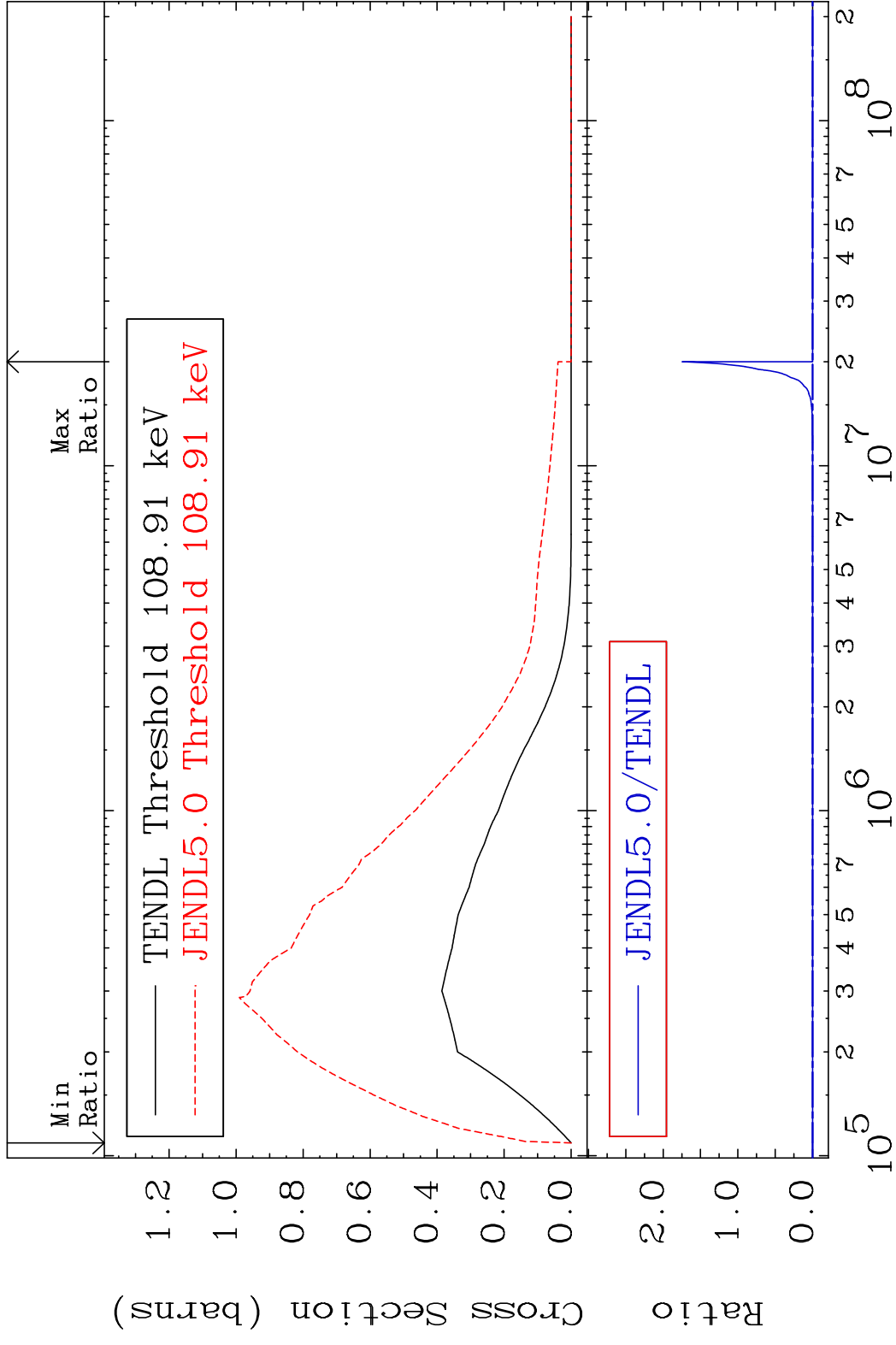
MAT 5628 (n, n') d 56-Ba-131
Cross Section -100.0 To 374.6 %



MAT 5628 (n,2n) p 56-Ba-131
 Cross Section -100.0 To 0.000 %

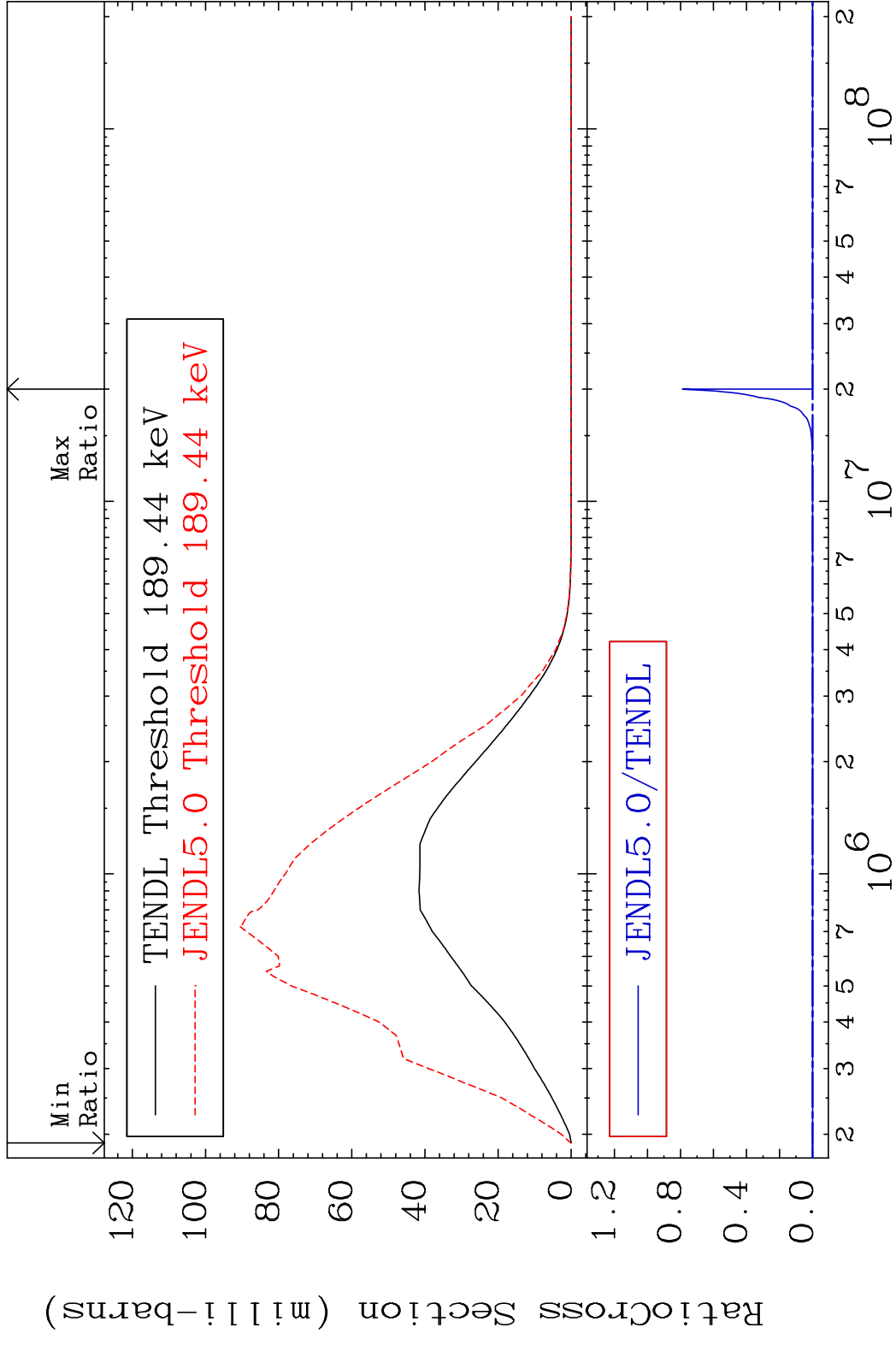


MAT 5628 MT= 51 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %

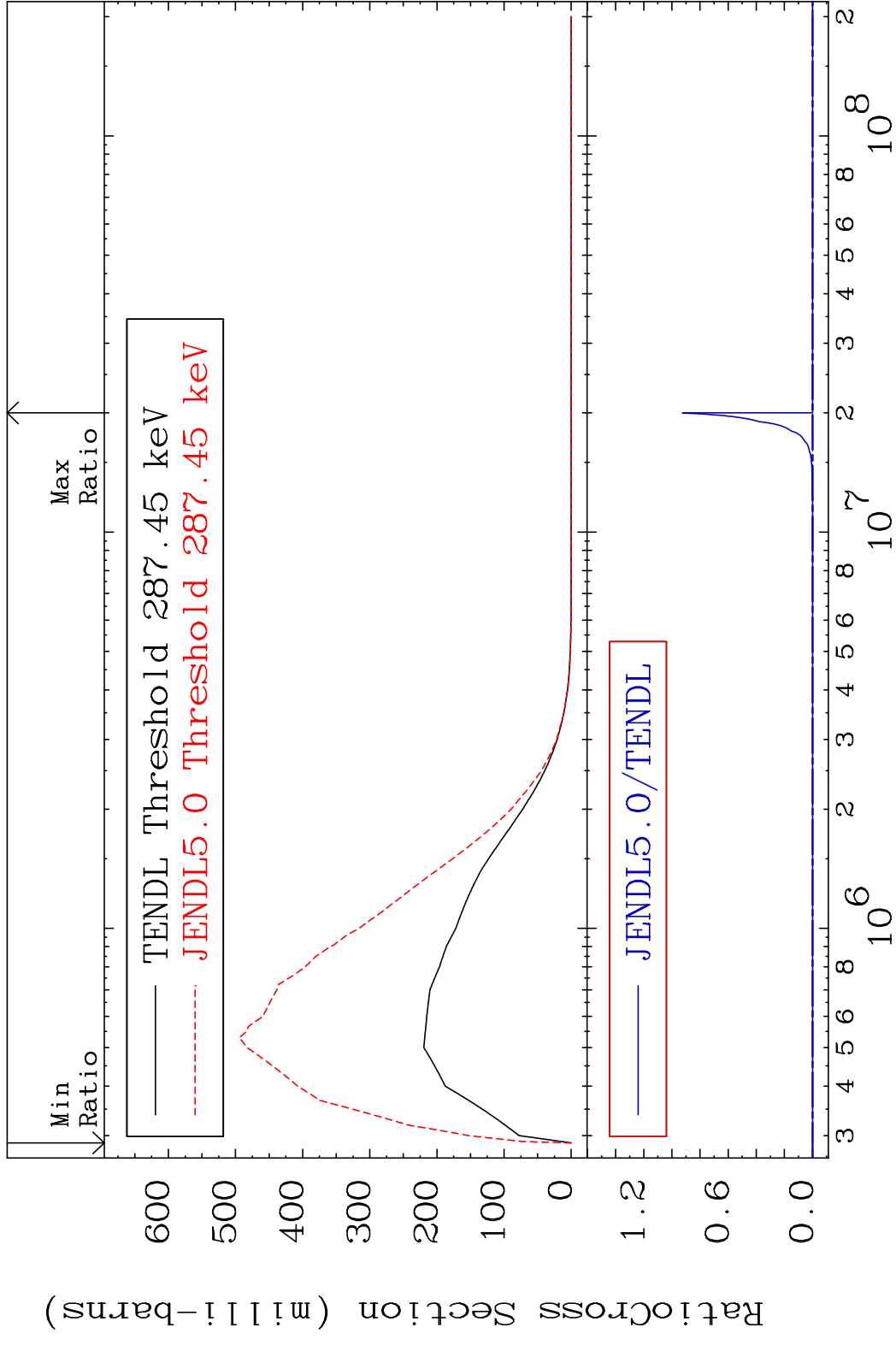


12 Incident Energy (eV) 56-Ba-131

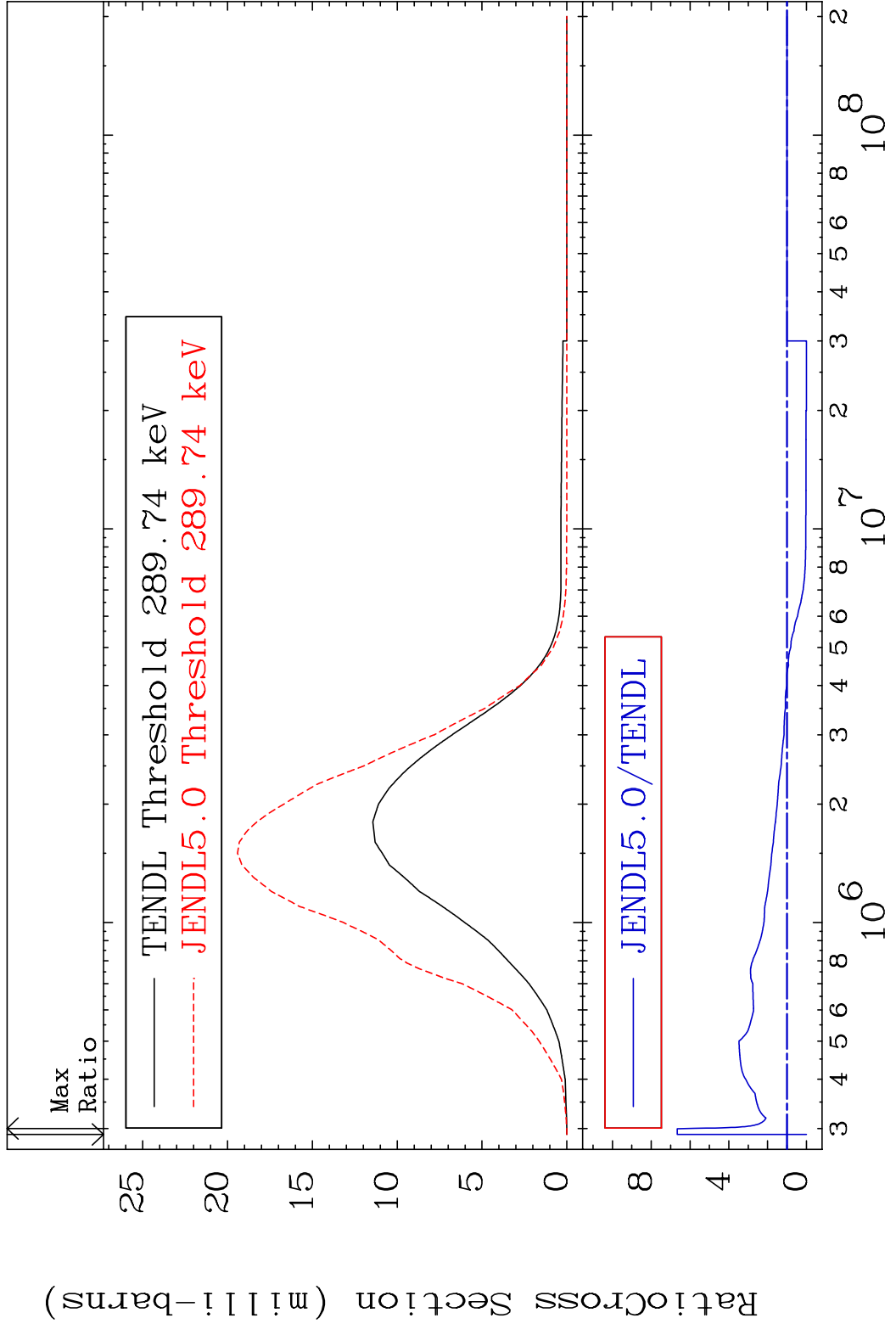
MAT 5628 MT= 52 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



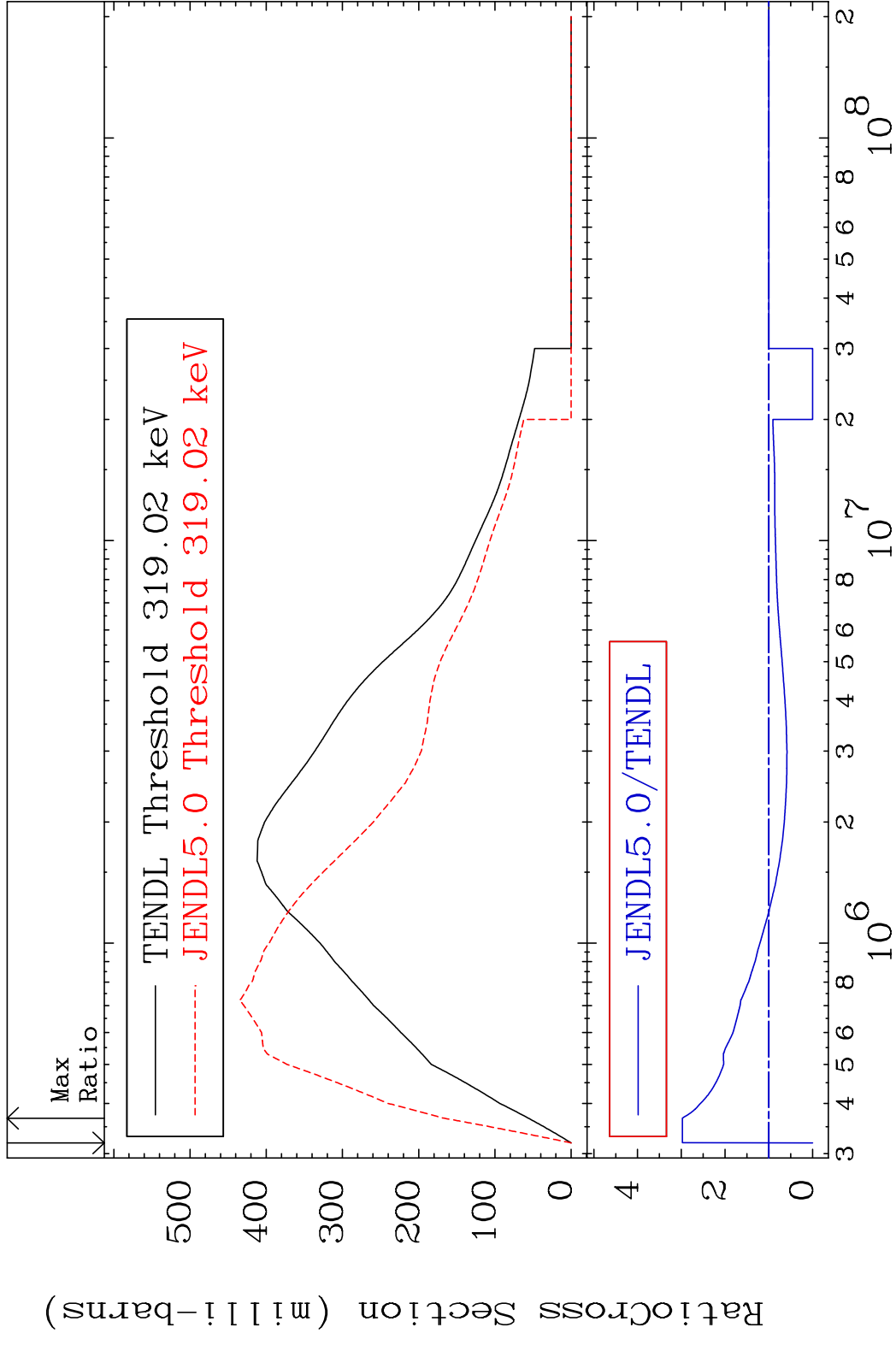
MAT 5628 MT= 53 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



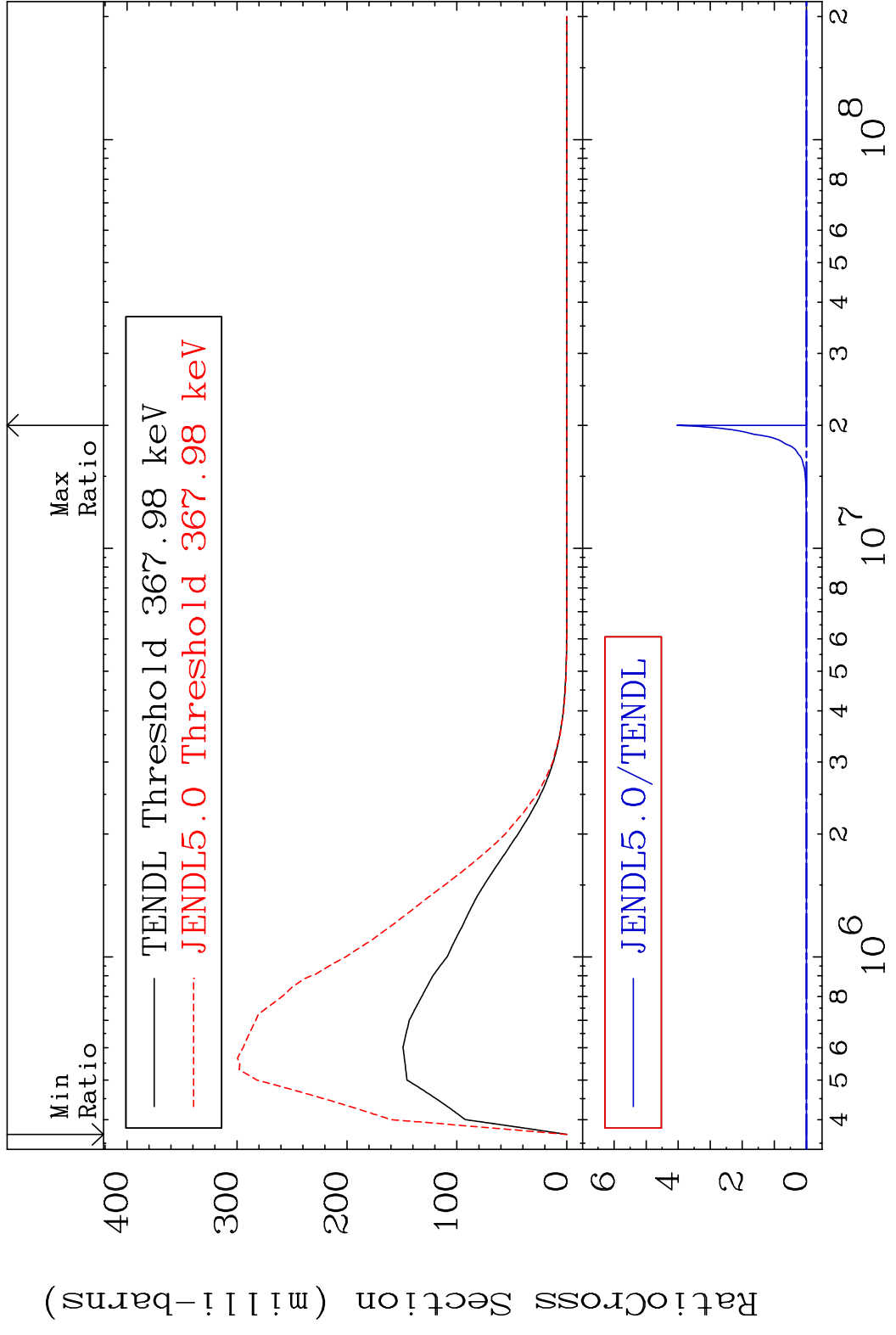
MAT 5628 MT= 54 (n,n') Level 56-Ba-131
 Cross Section -100.0 To 566.2 %



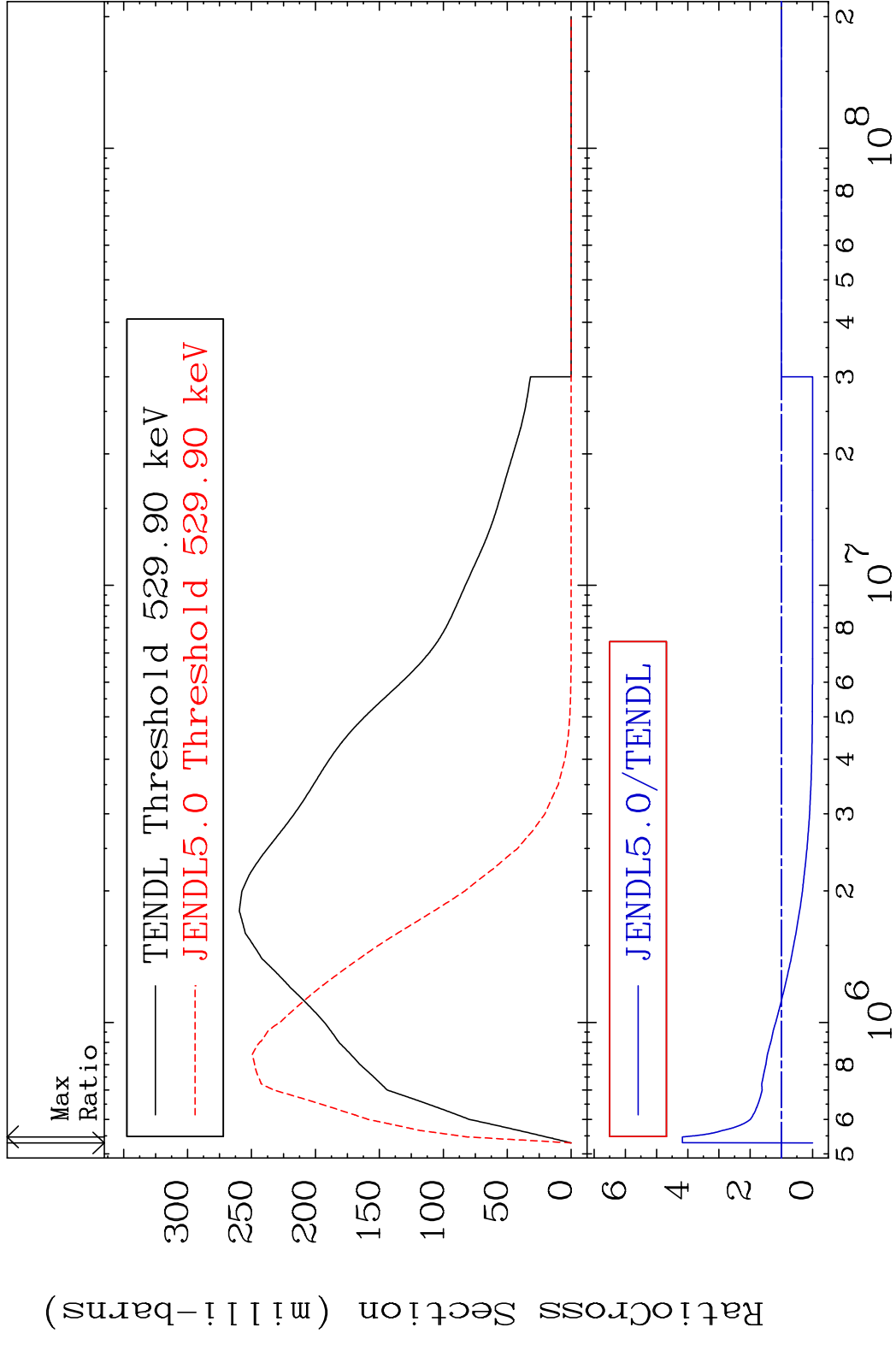
MAT 5628 MT= 55 (n,n') Level 56-Ba-131
 Cross Section -100.0 To 197.6 %



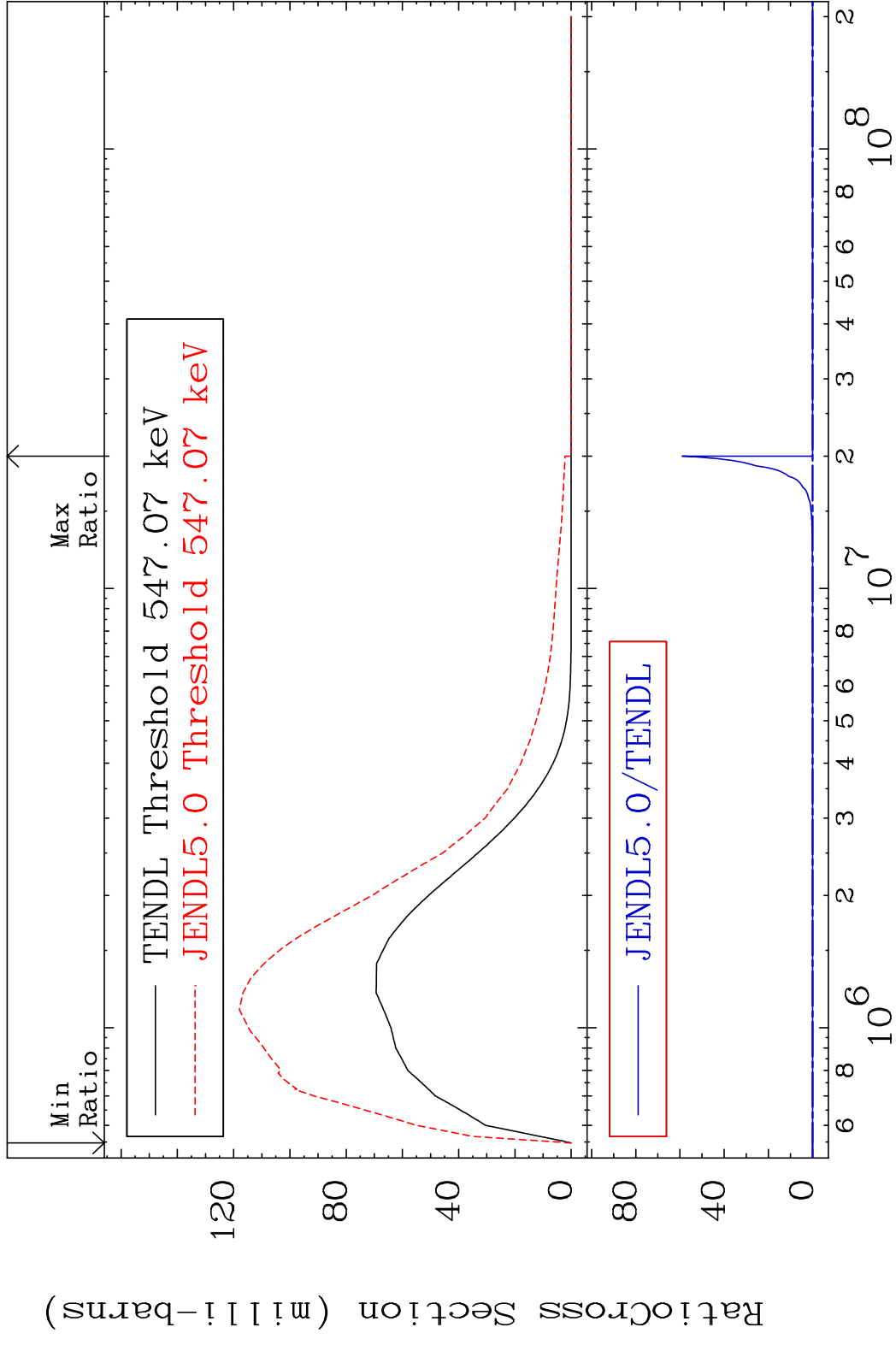
MAT 5628 MT= 56 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



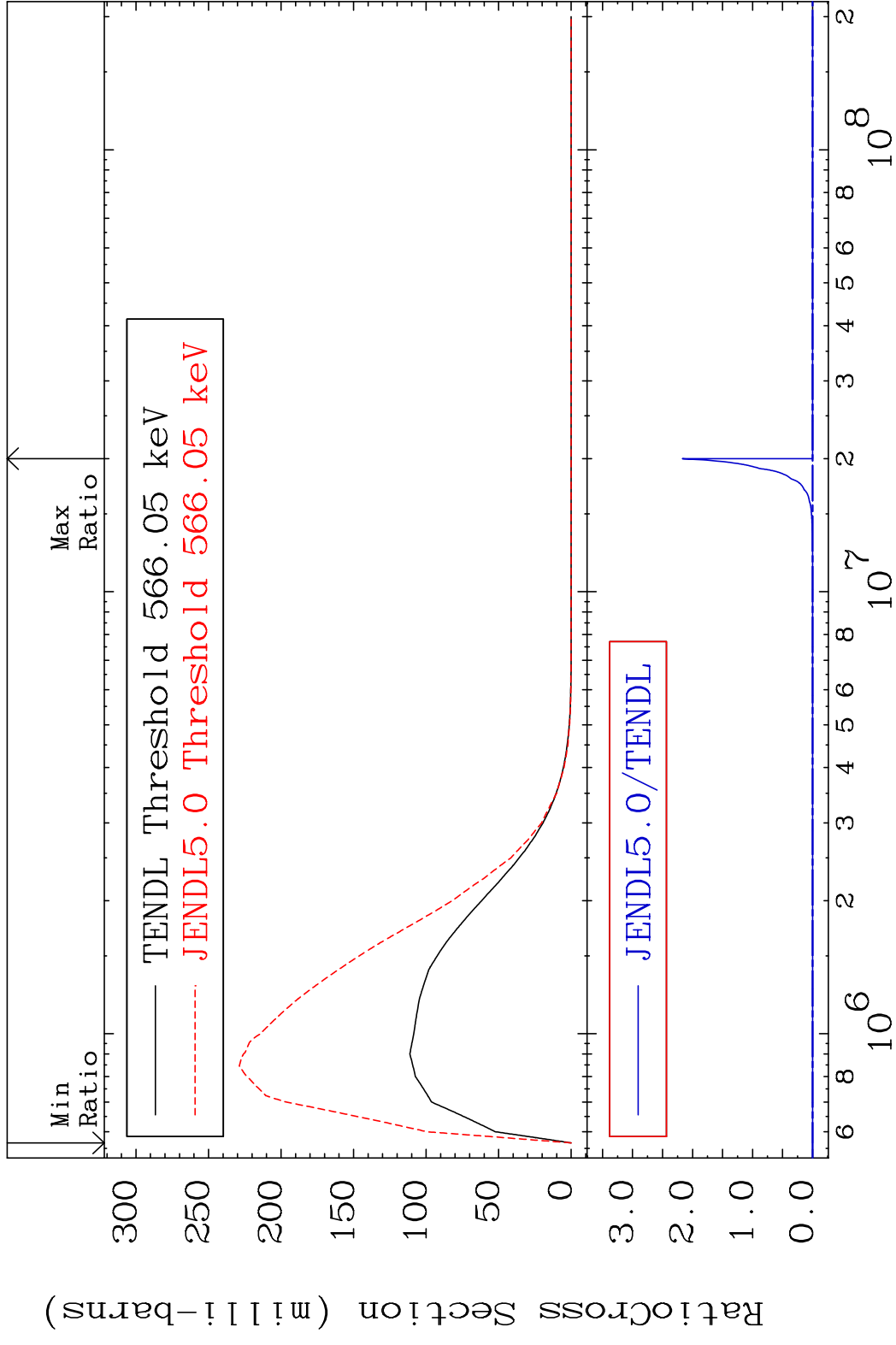
MAT 5628 MT= 57 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 317.3 %



MAT 5628 MT= 58 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %

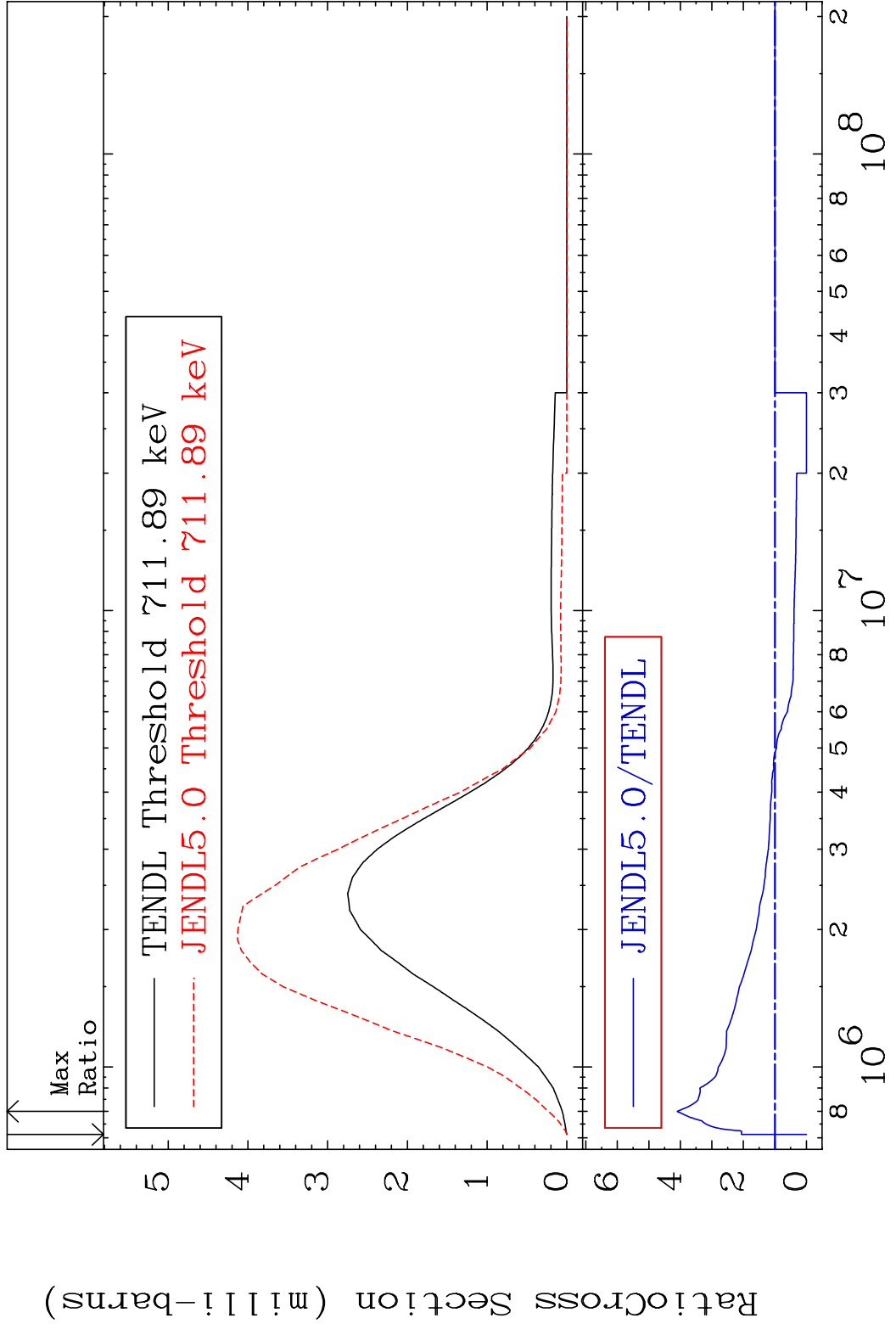


MAT 5628 MT= 59 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %

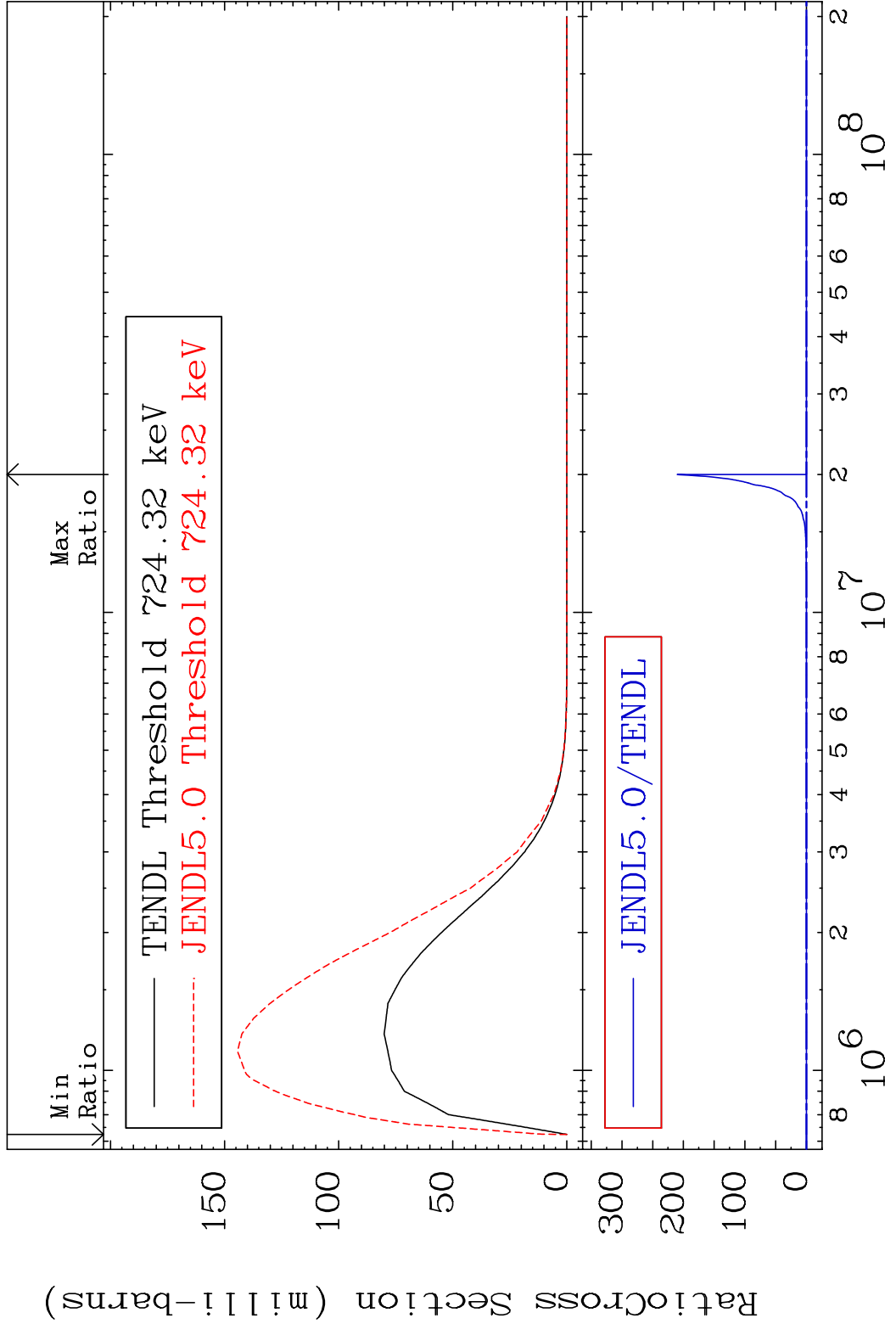


20 Incident Energy (eV) 56-Ba-131

MAT 5628 MT= 60 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 310.1 %

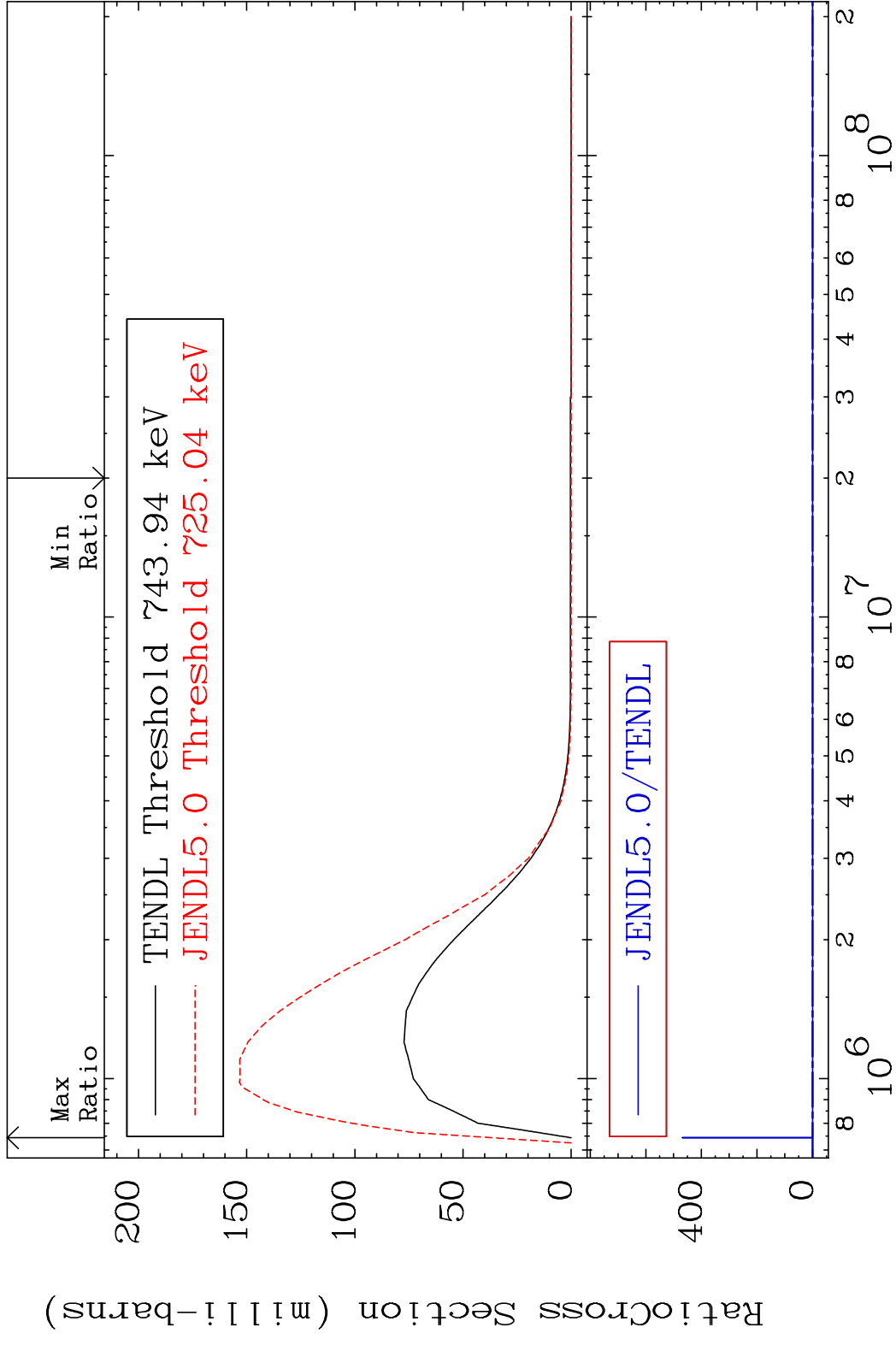


MAT 5628 MT= 61 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %

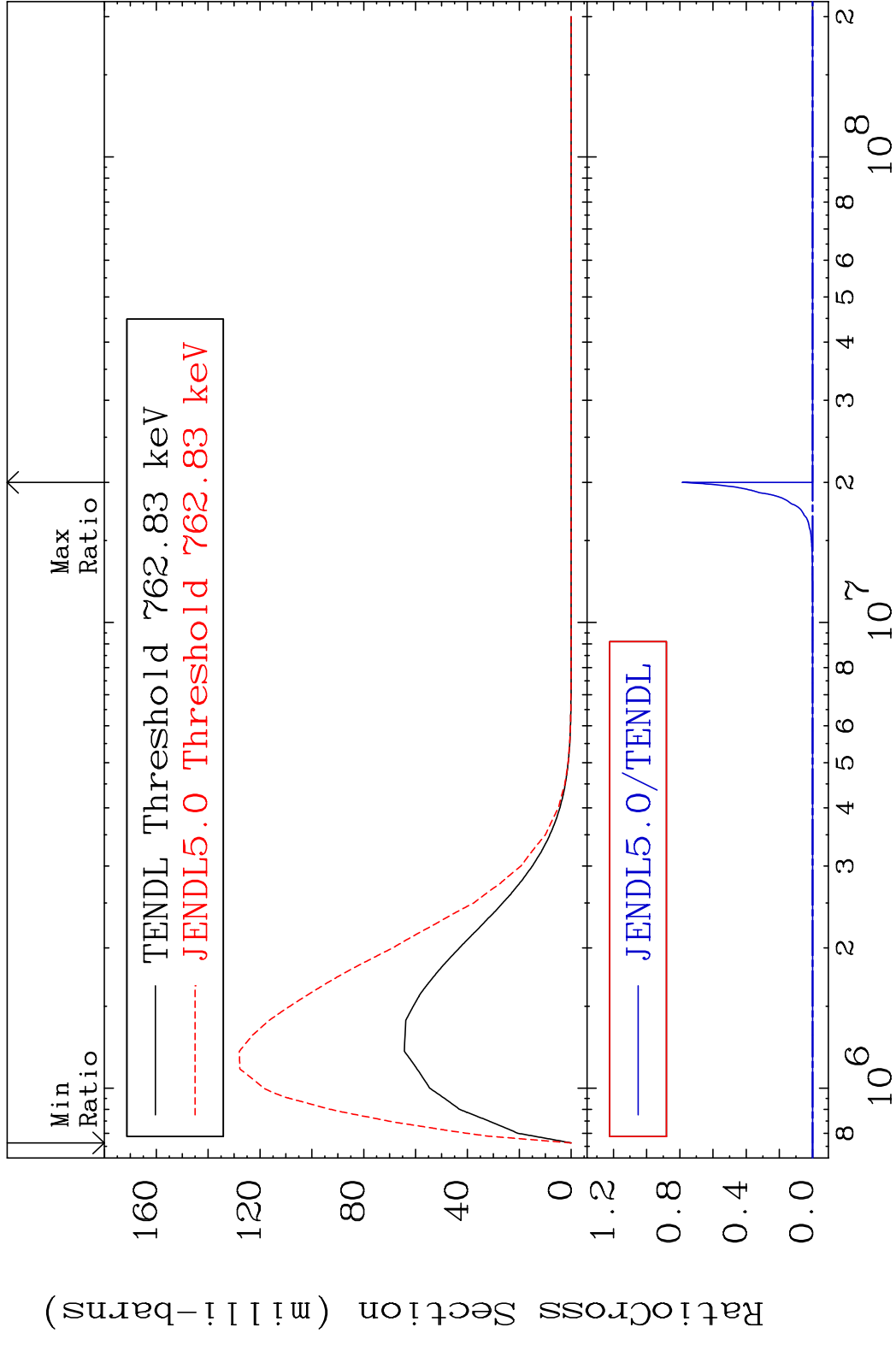


22 Incident Energy (eV) 56-Ba-131

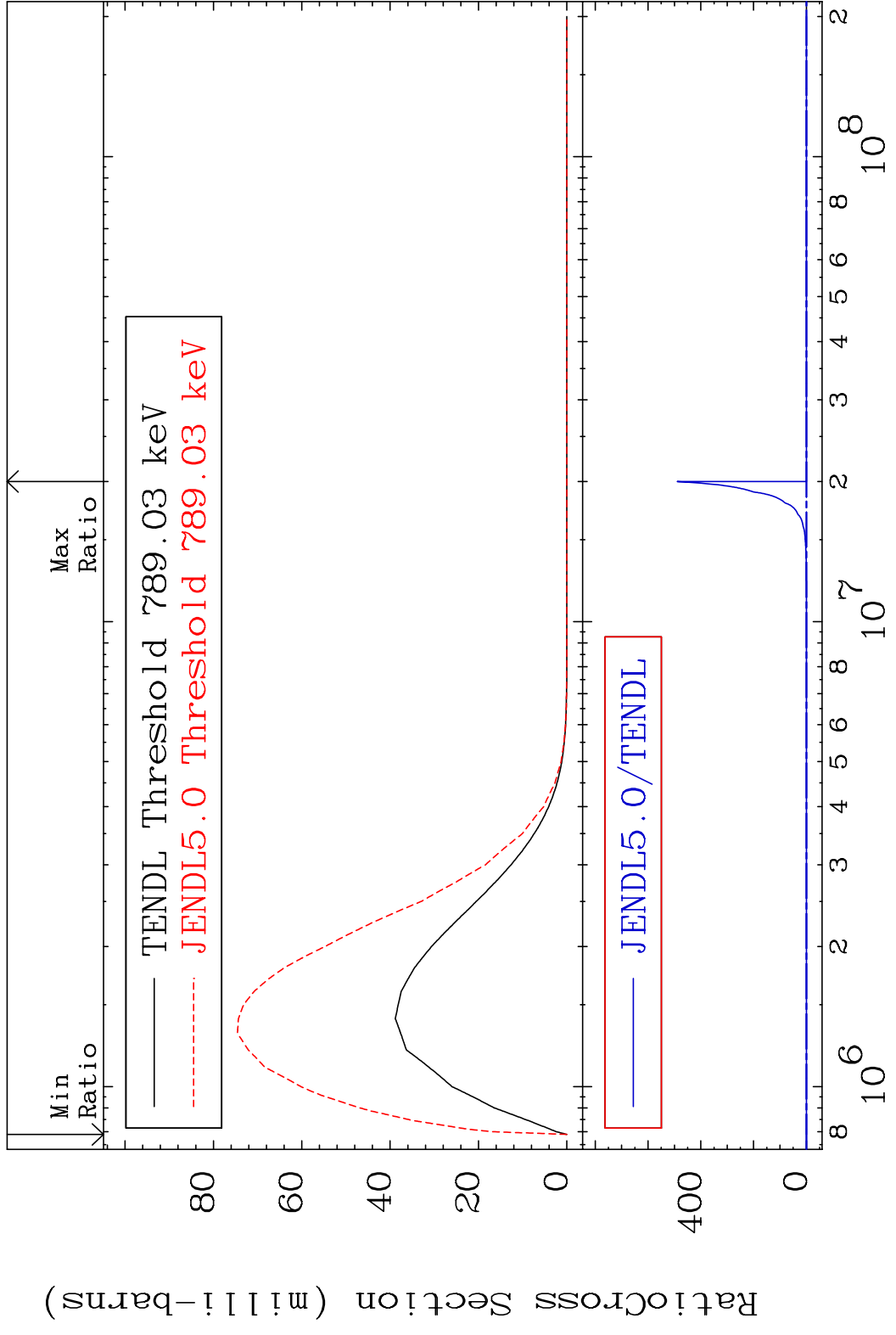
MAT 5628 MT= 62 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



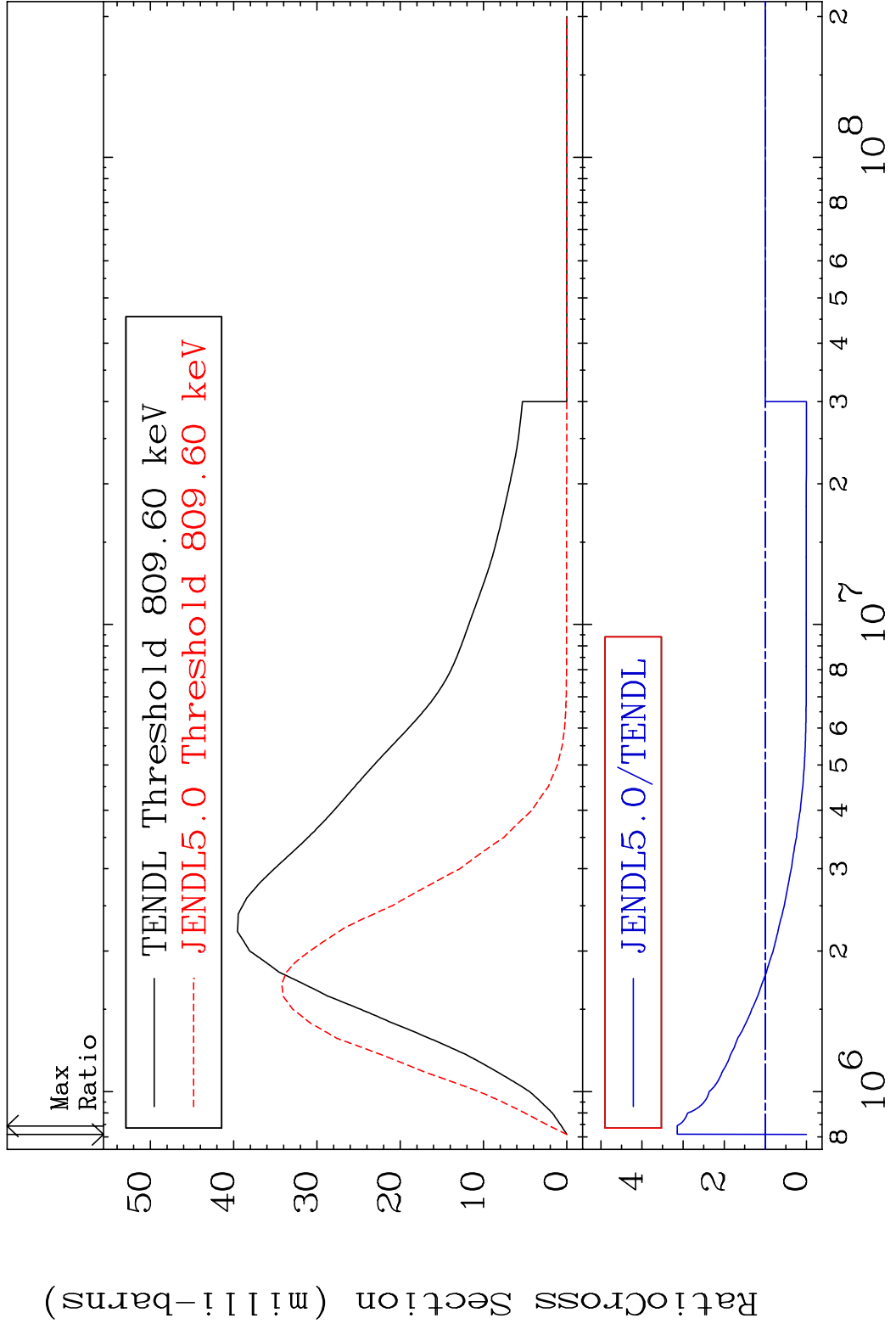
MAT 5628 MT= 63 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



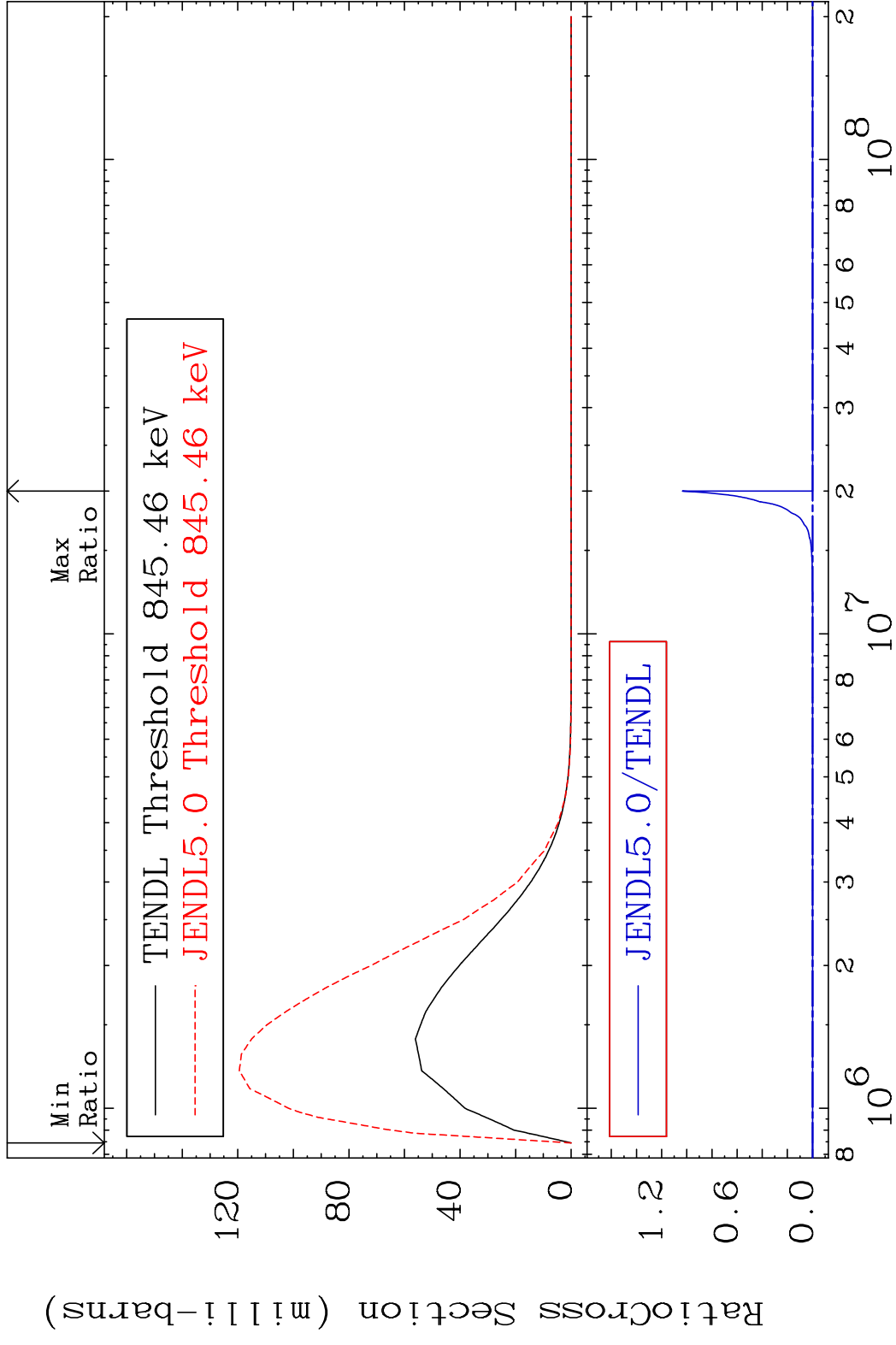
MAT 5628 MT= 64 (n, n') Level 56-Ba-131
Cross Section -100.0 To 9999. %



MAT 5628 MT= 65 (n,n') Level 56-Ba-131
 Cross Section -100.0 To 214.4 %

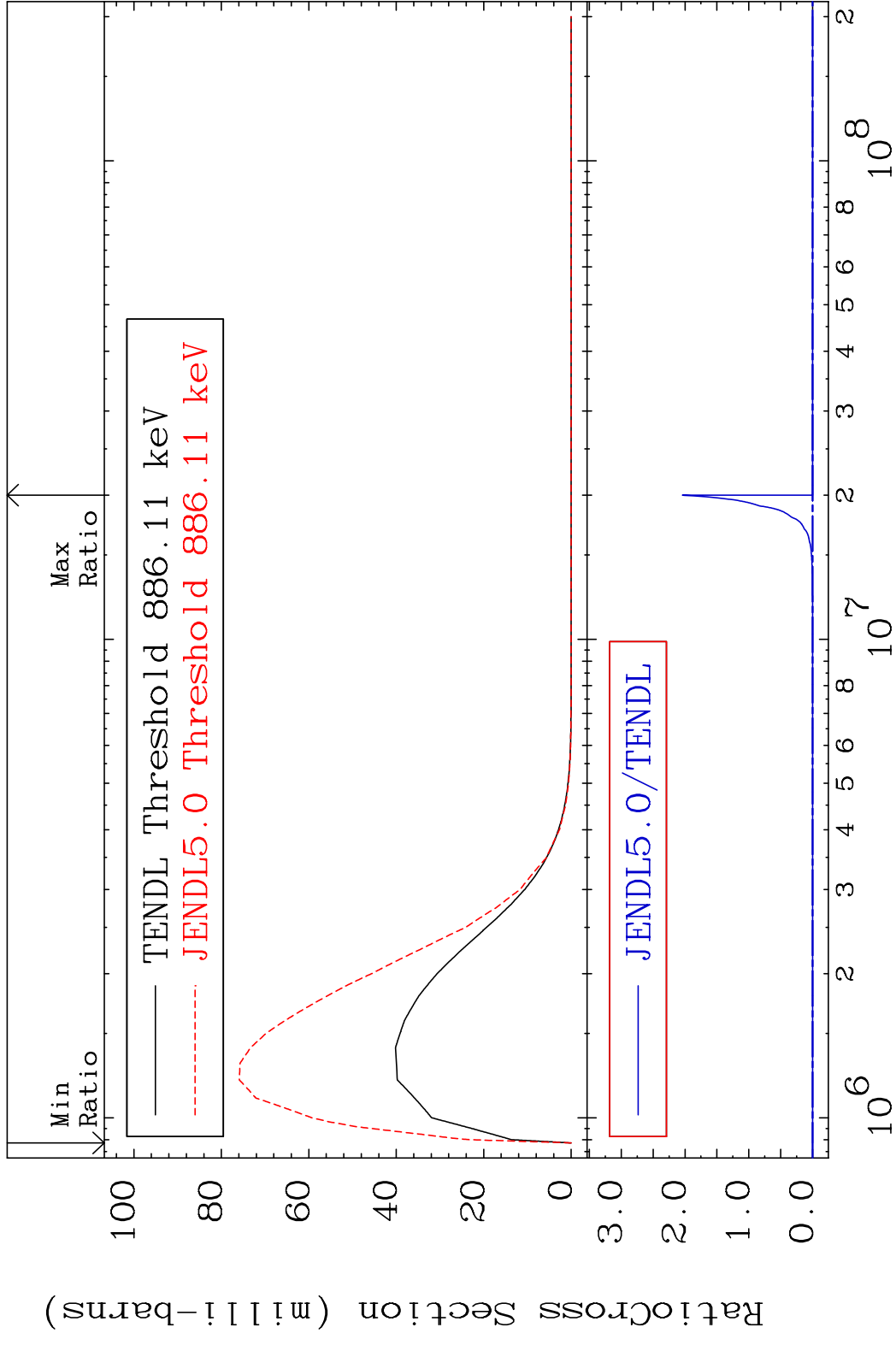


MAT 5628 MT= 66 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



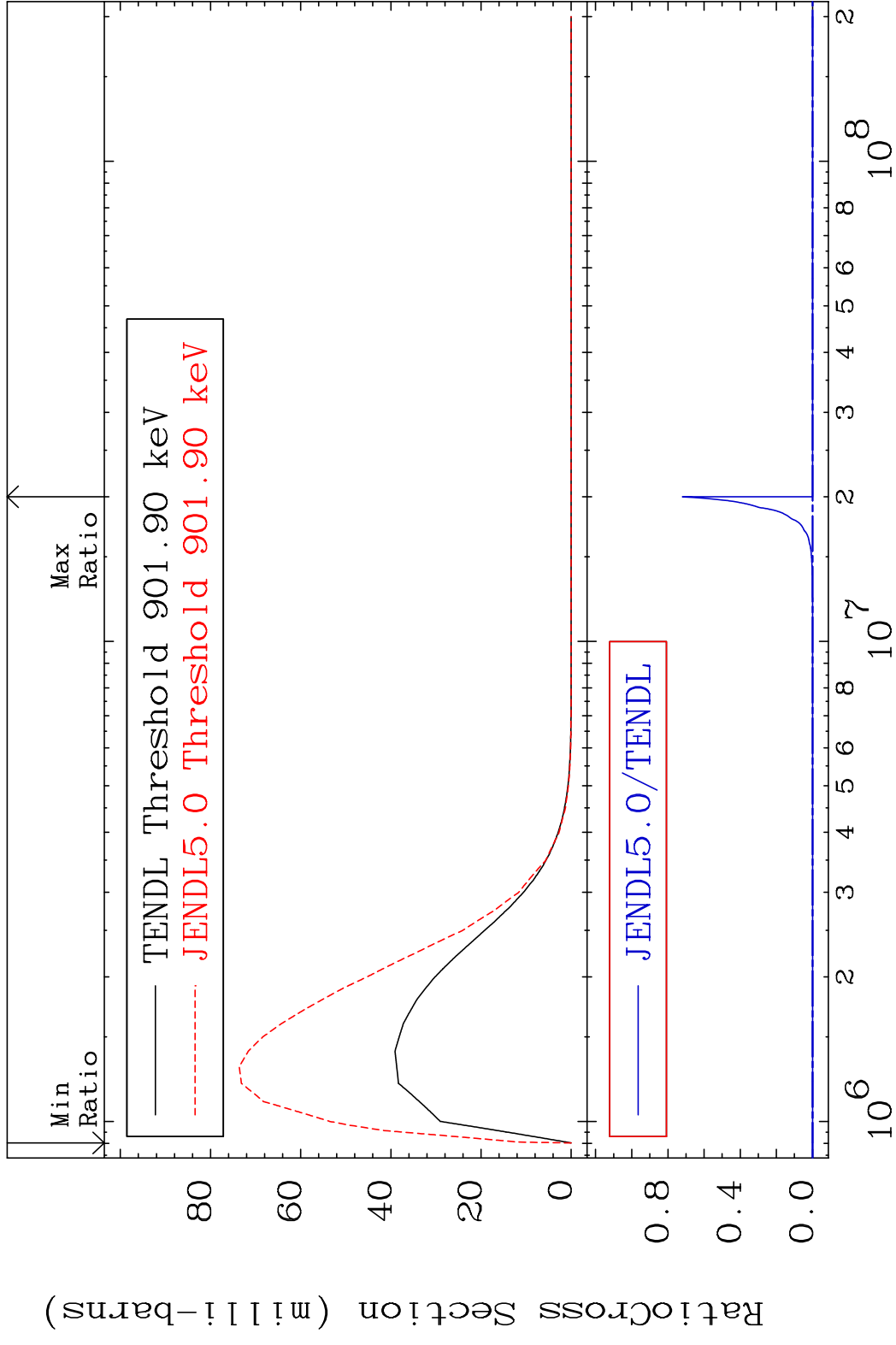
27 Incident Energy (eV) 56-Ba-131

MAT 5628 MT= 67 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



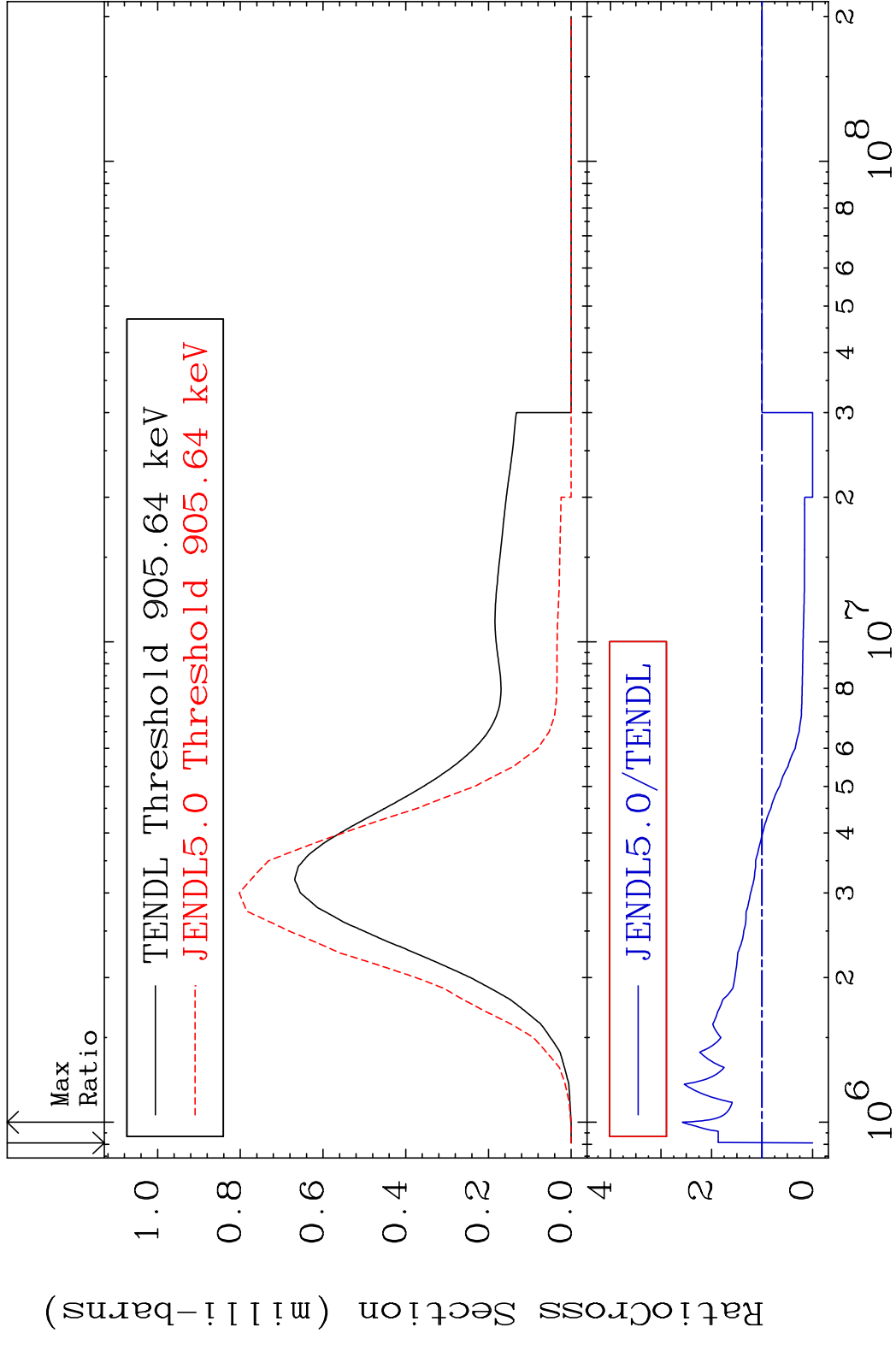
28 Incident Energy (eV) 56-Ba-131

MAT 5628 MT= 68 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 9999. %



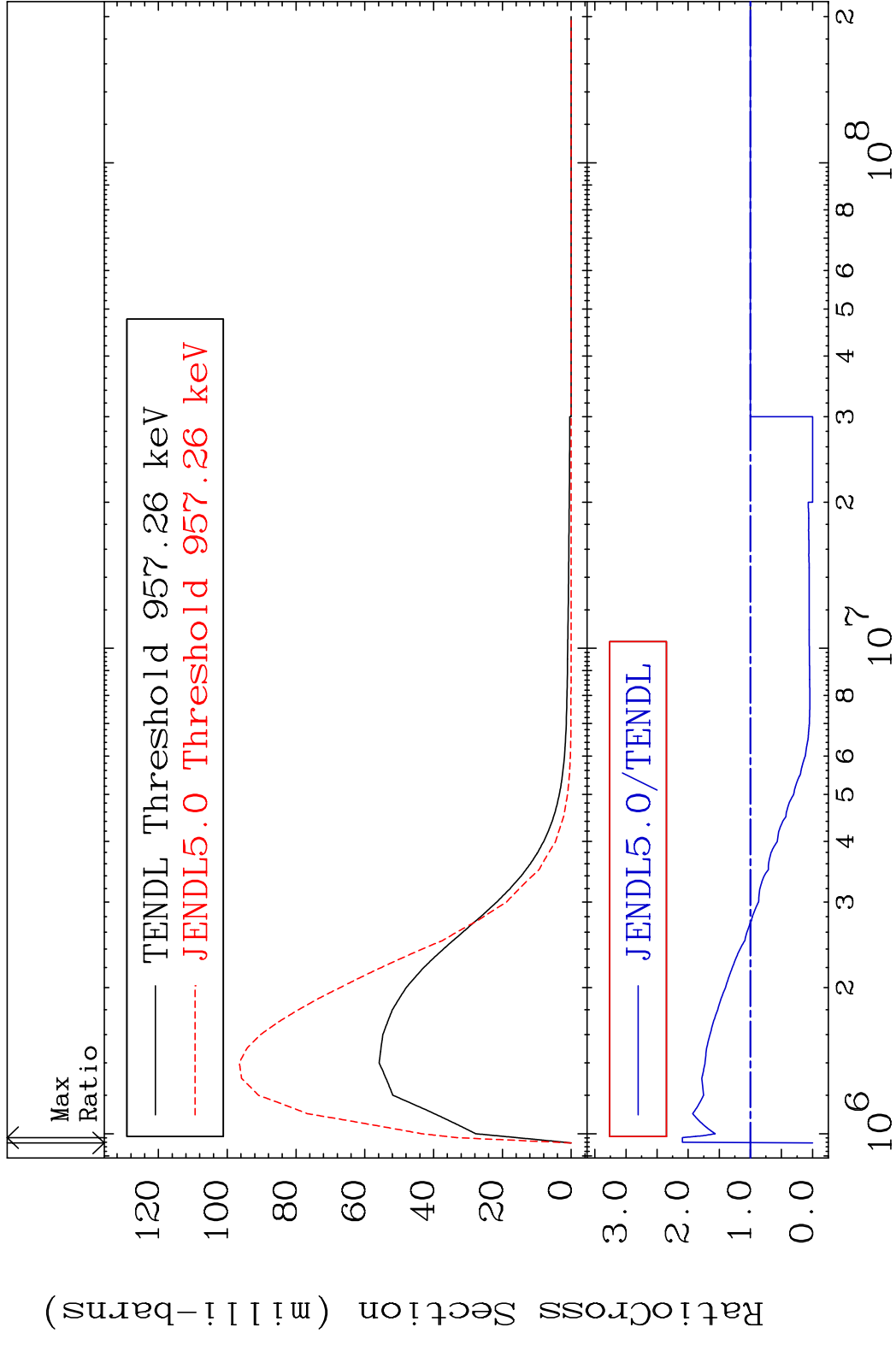
29 Incident Energy (eV) 56-Ba-131

MAT 5628 MT= 69 (n, n') Level 56-Ba-131
 Cross Section -100.0 To 157.8 %

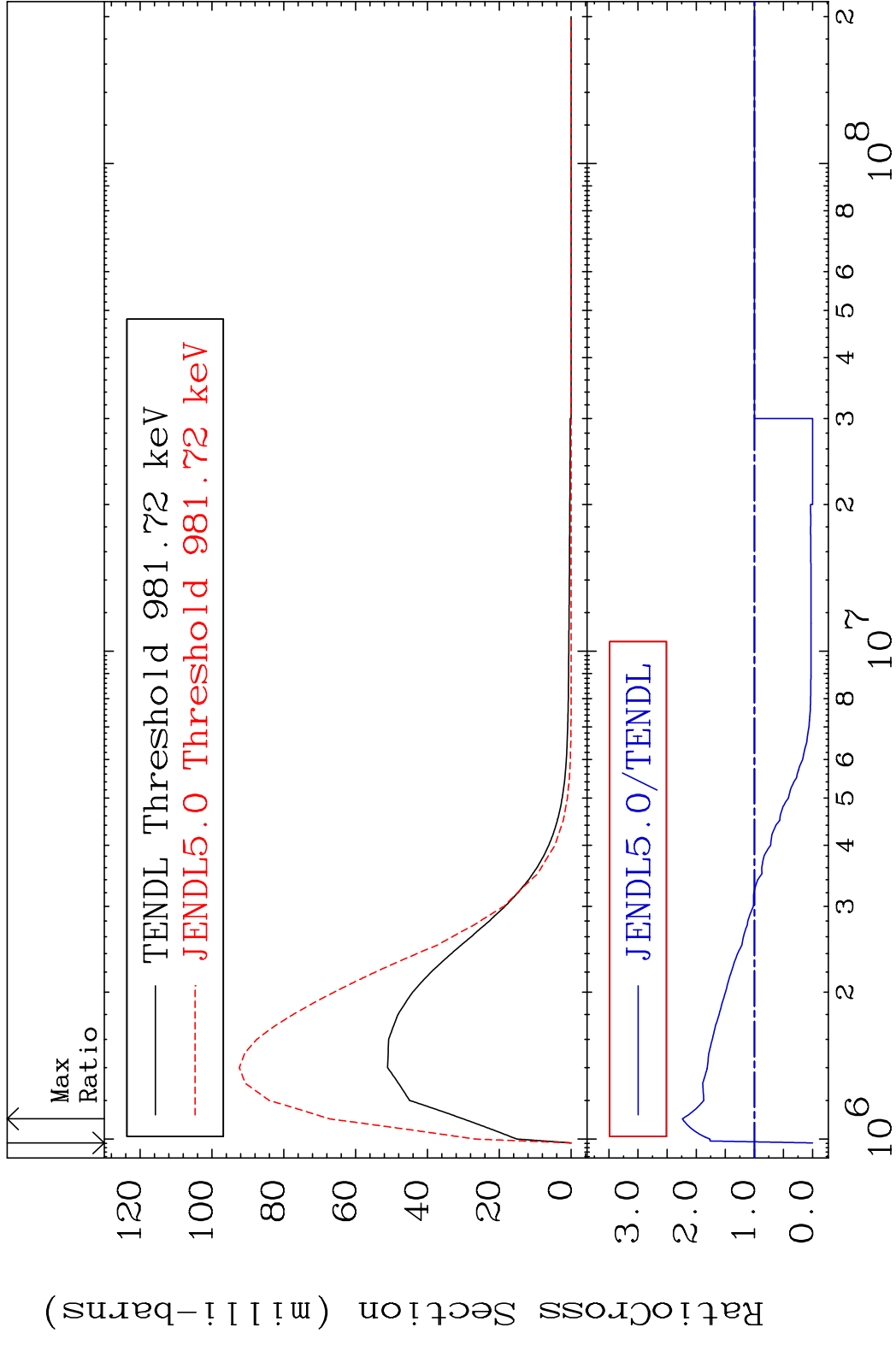


30 Incident Energy (eV) 56-Ba-131

MAT 5628 MT= 70 (n,n') Level 56-Ba-131
 Cross Section -100.0 To 109.3 %



MAT 5628 MT= 71 (n,n') Level 56-Ba-131
 Cross Section -100.0 To 123.8 %



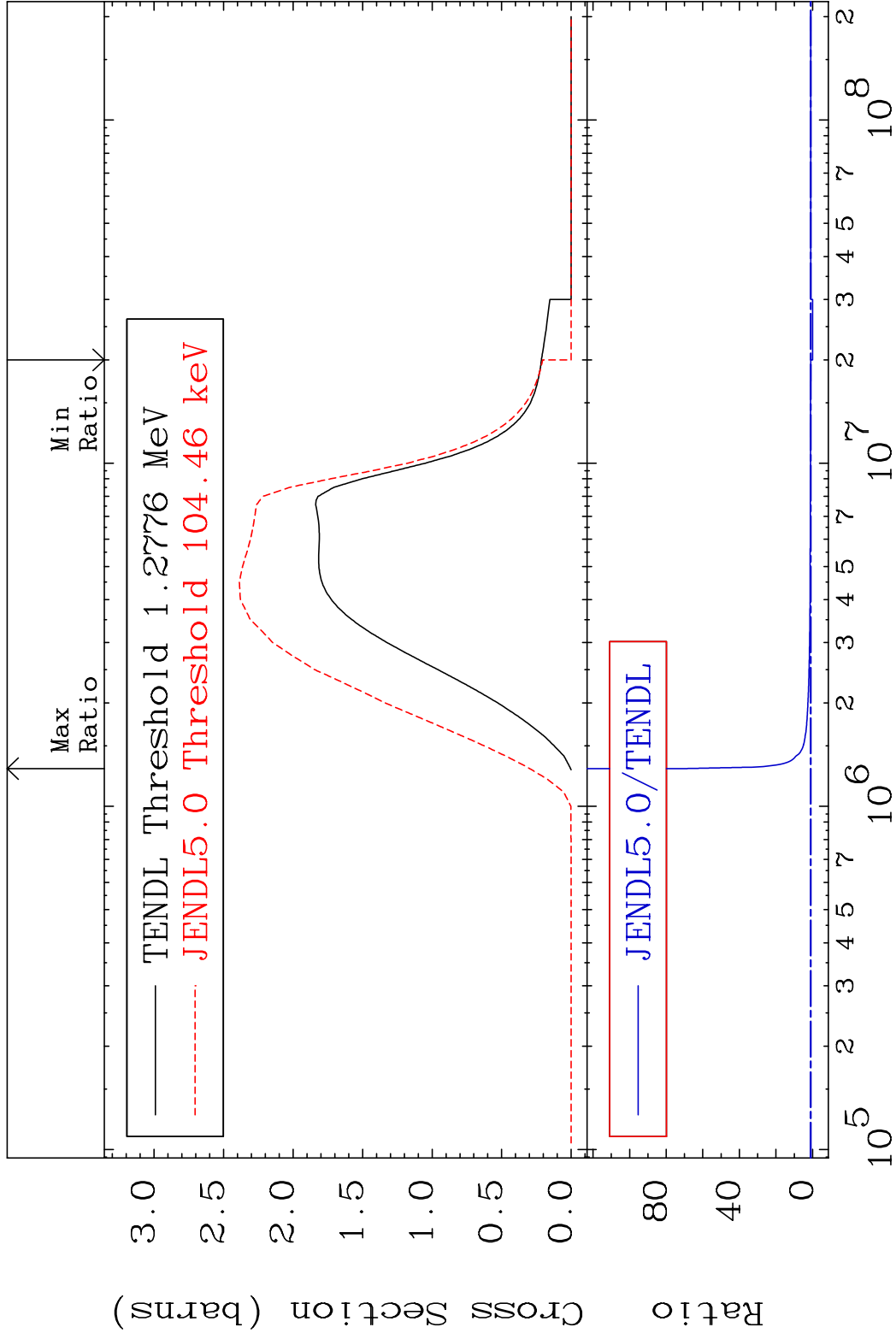
32 Incident Energy (eV) 56-Ba-131

MAT 5628

(n, n') Continuum

56-Ba-131

Cross Section -100.0 To 7018. %



33

Incident Energy (eV)

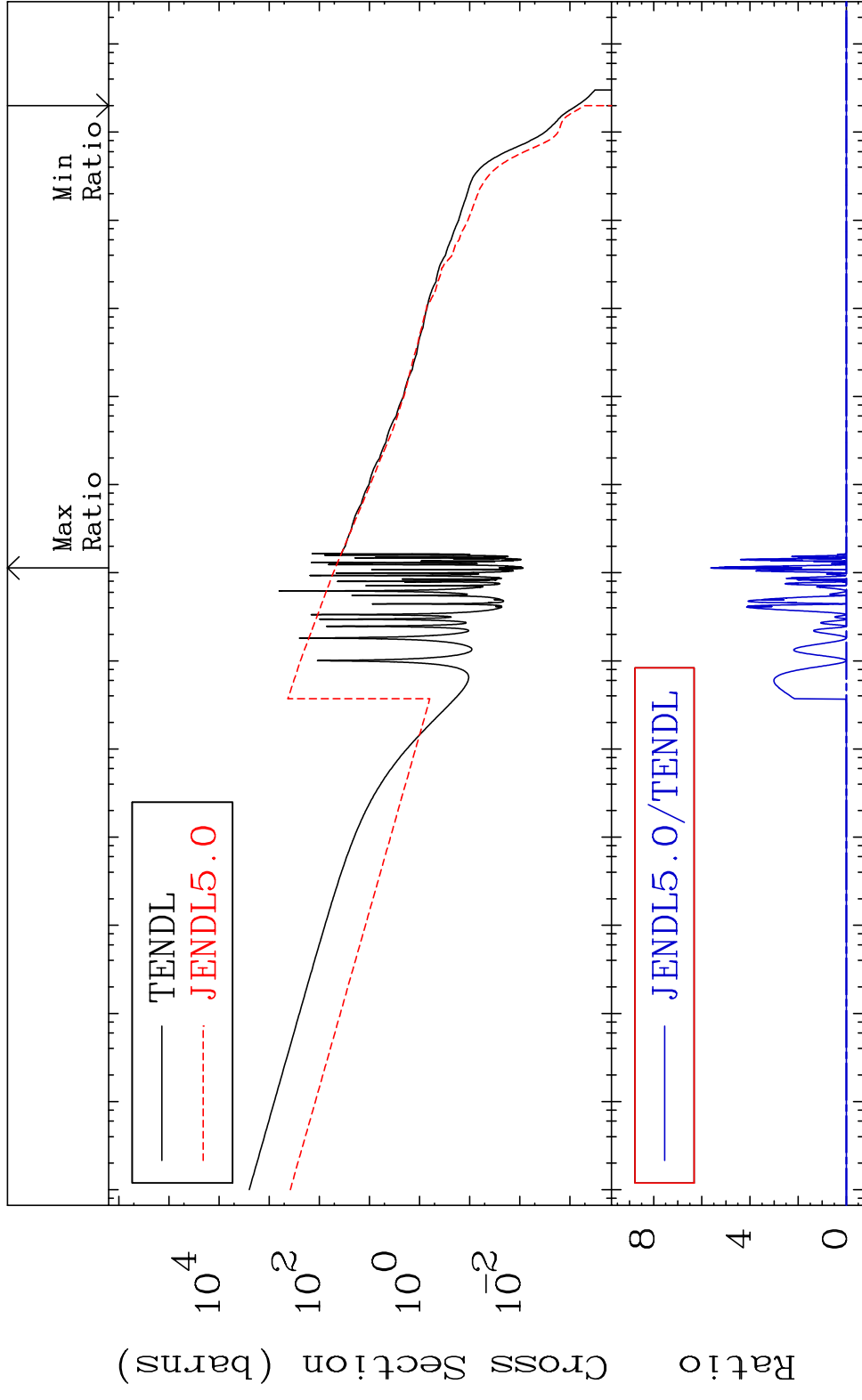
56-Ba-131

MAT 5628

56-Ba-131

(n, γ)

Cross Section -100.0 To 9999. %

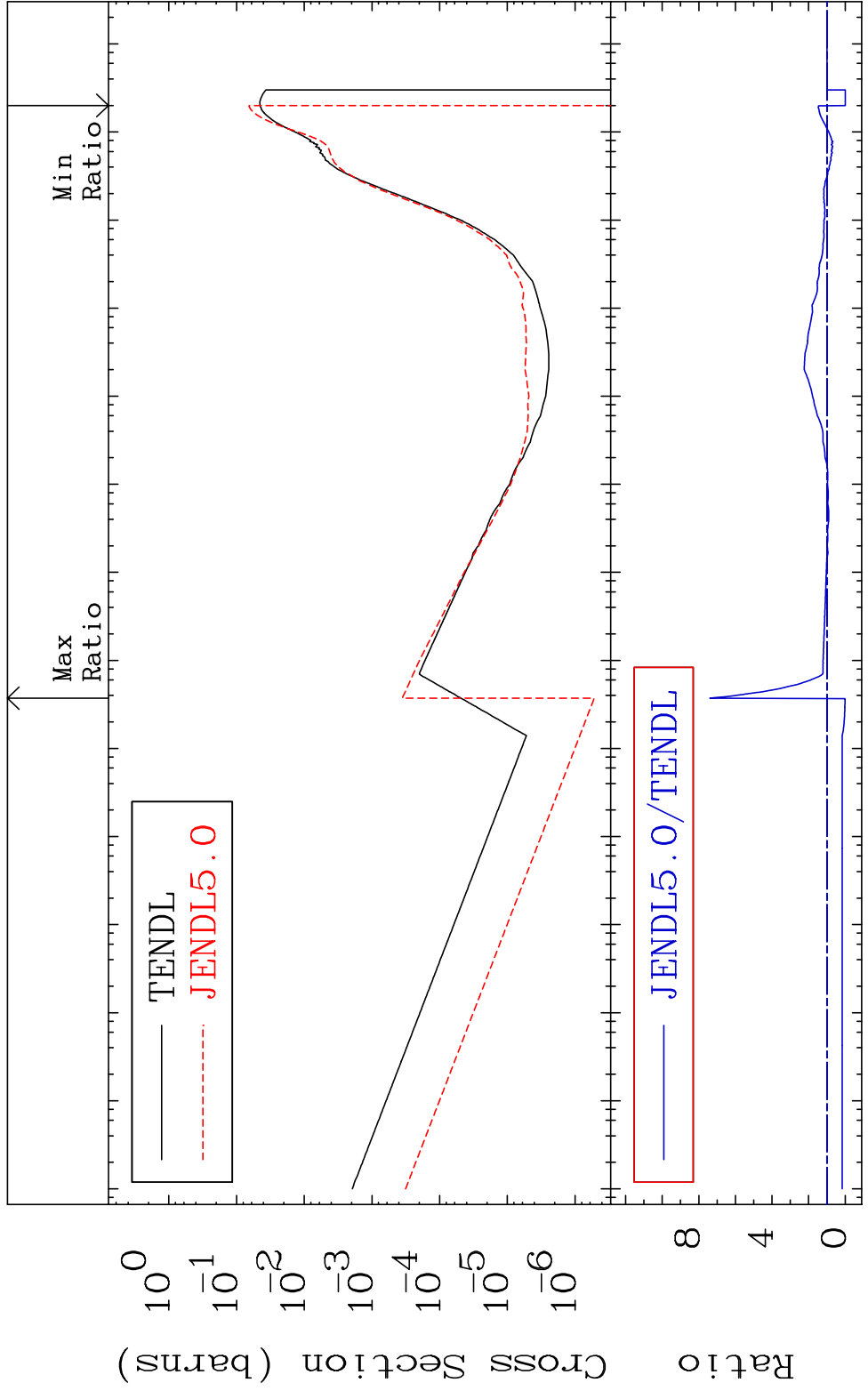


34

Incident Energy (eV)

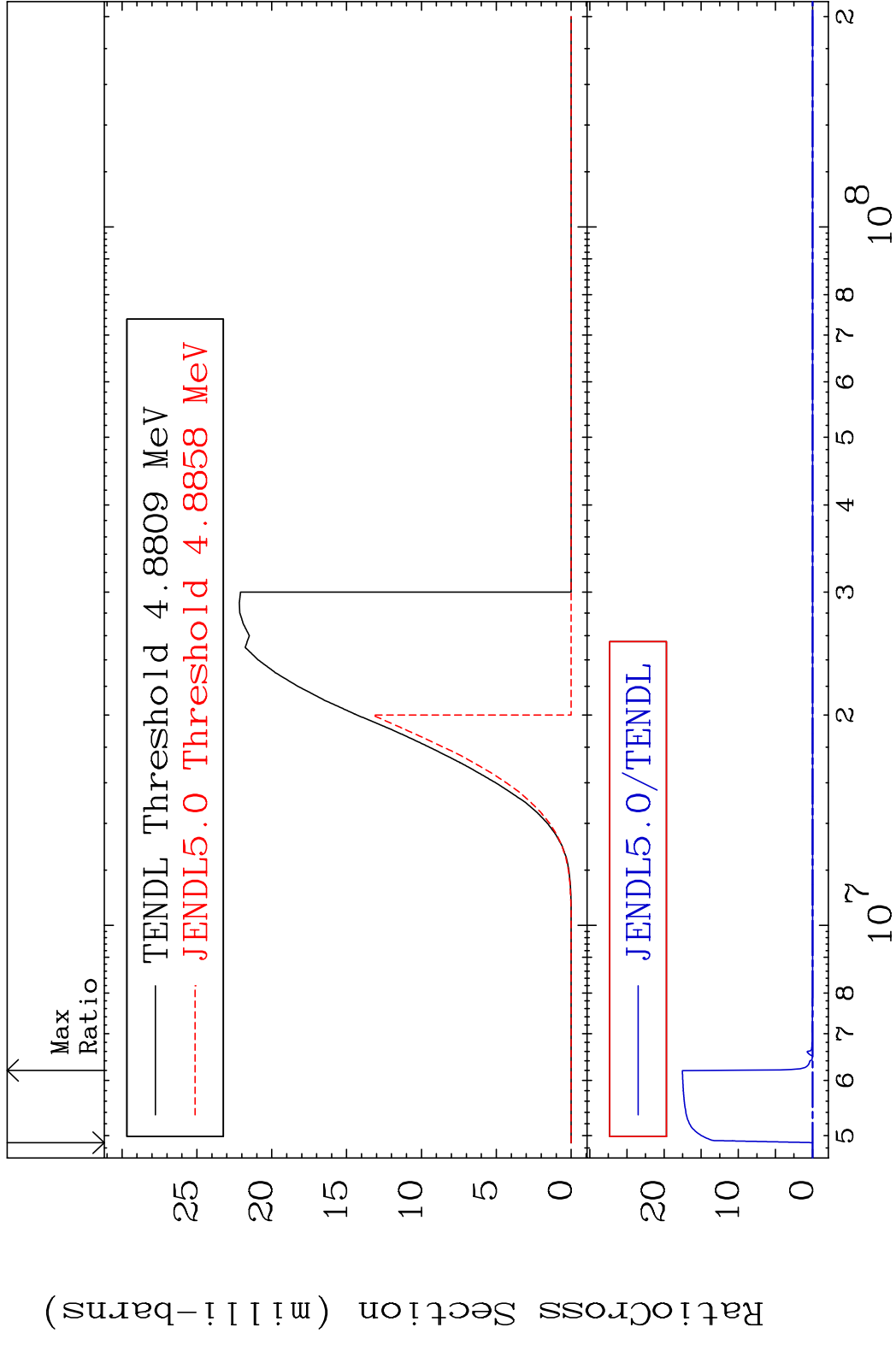
56-Ba-131

MAT 5628 (n,p) 56-Ba-131
 Cross Section -100.0 To 640.0 %

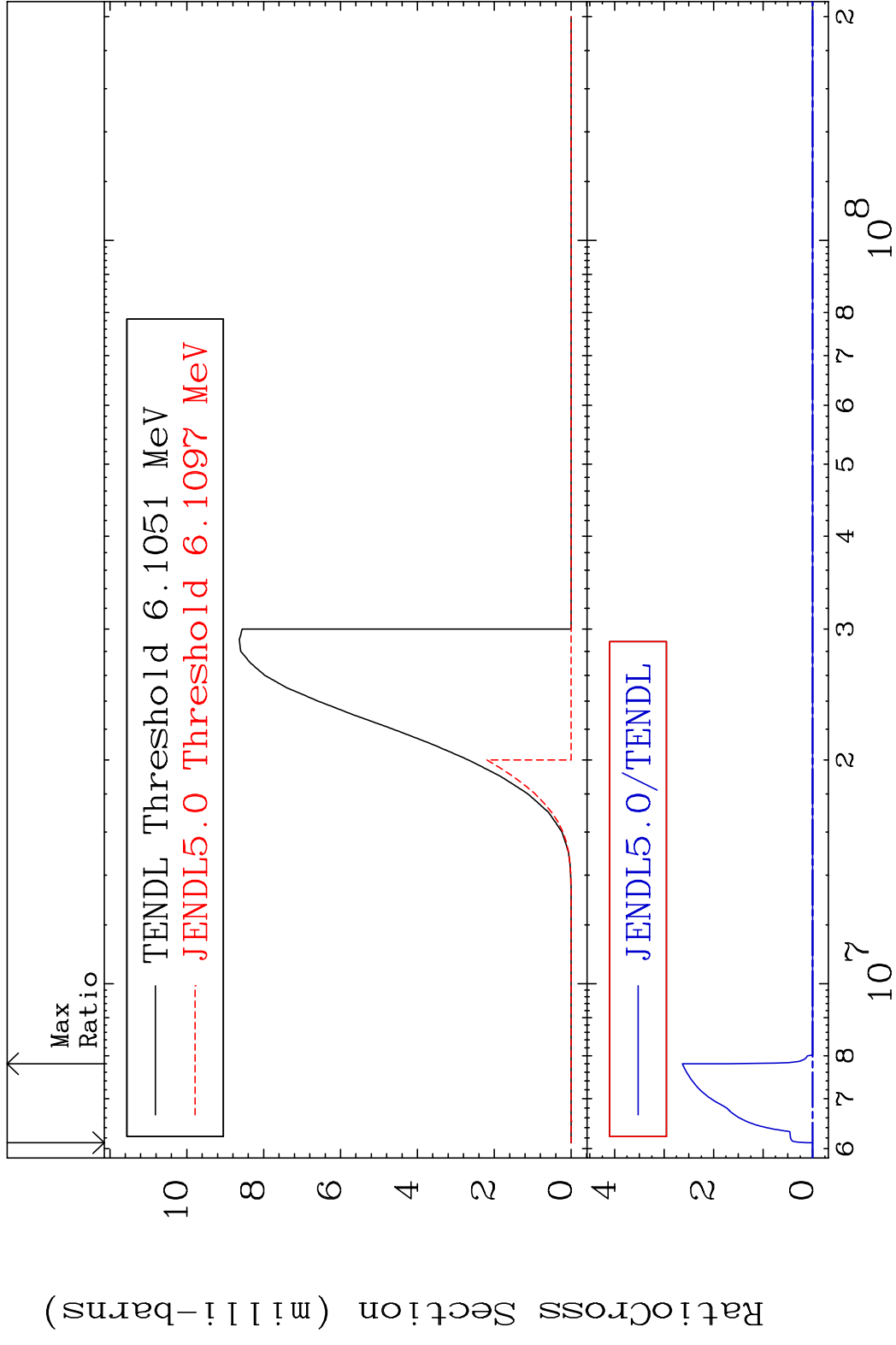


35 Incident Energy (eV) 56-Ba-131

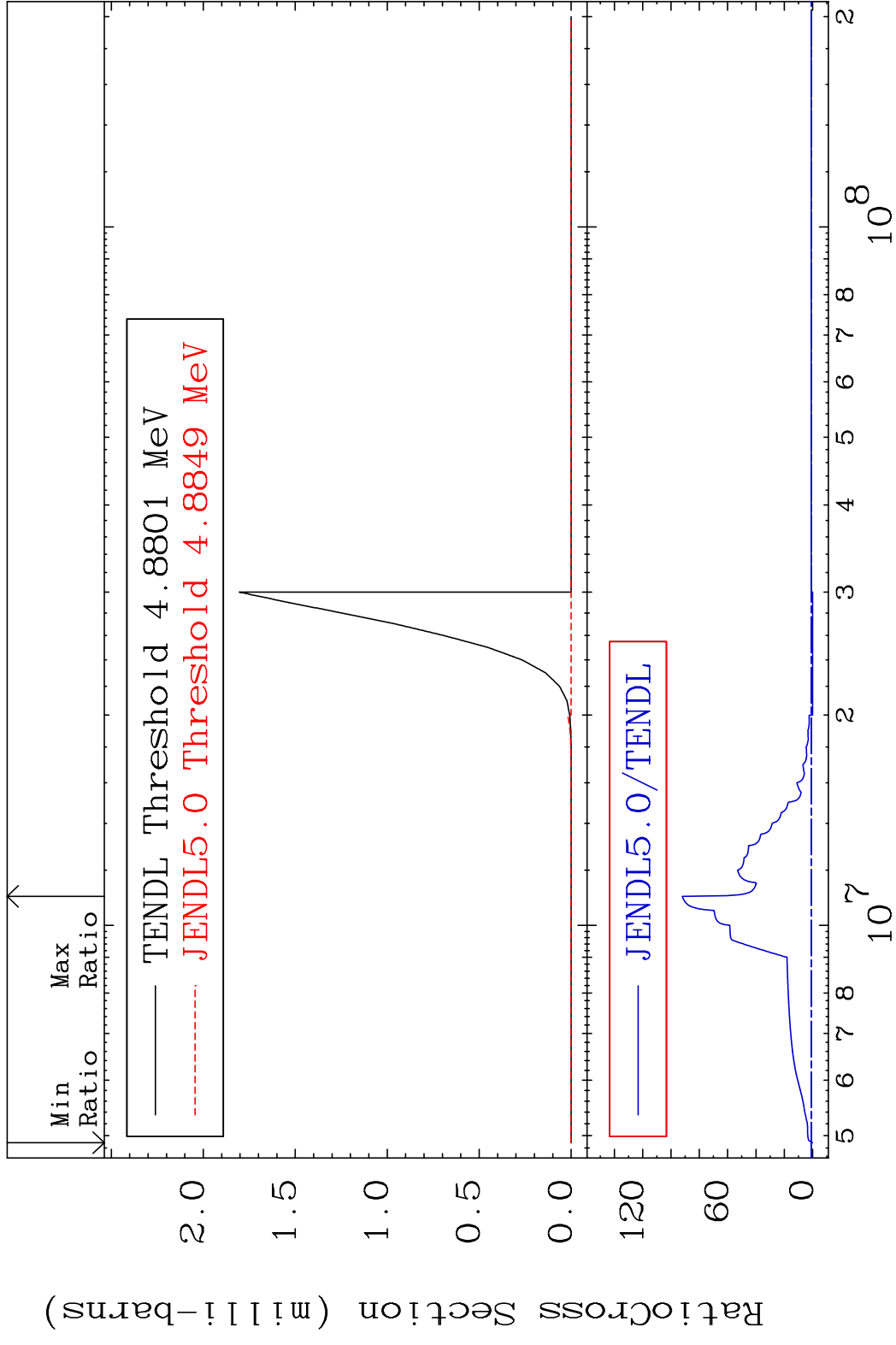
MAT 5628 (n,d) 56-Ba-131
 Cross Section -100.0 To 9999. %



MAT 5628 (n, t) 56-Ba-131
 Cross Section -100.0 To 9999. %



MAT 5628 (n, He-3) 56-Ba-131
 Cross Section -100.0 To 9099. %

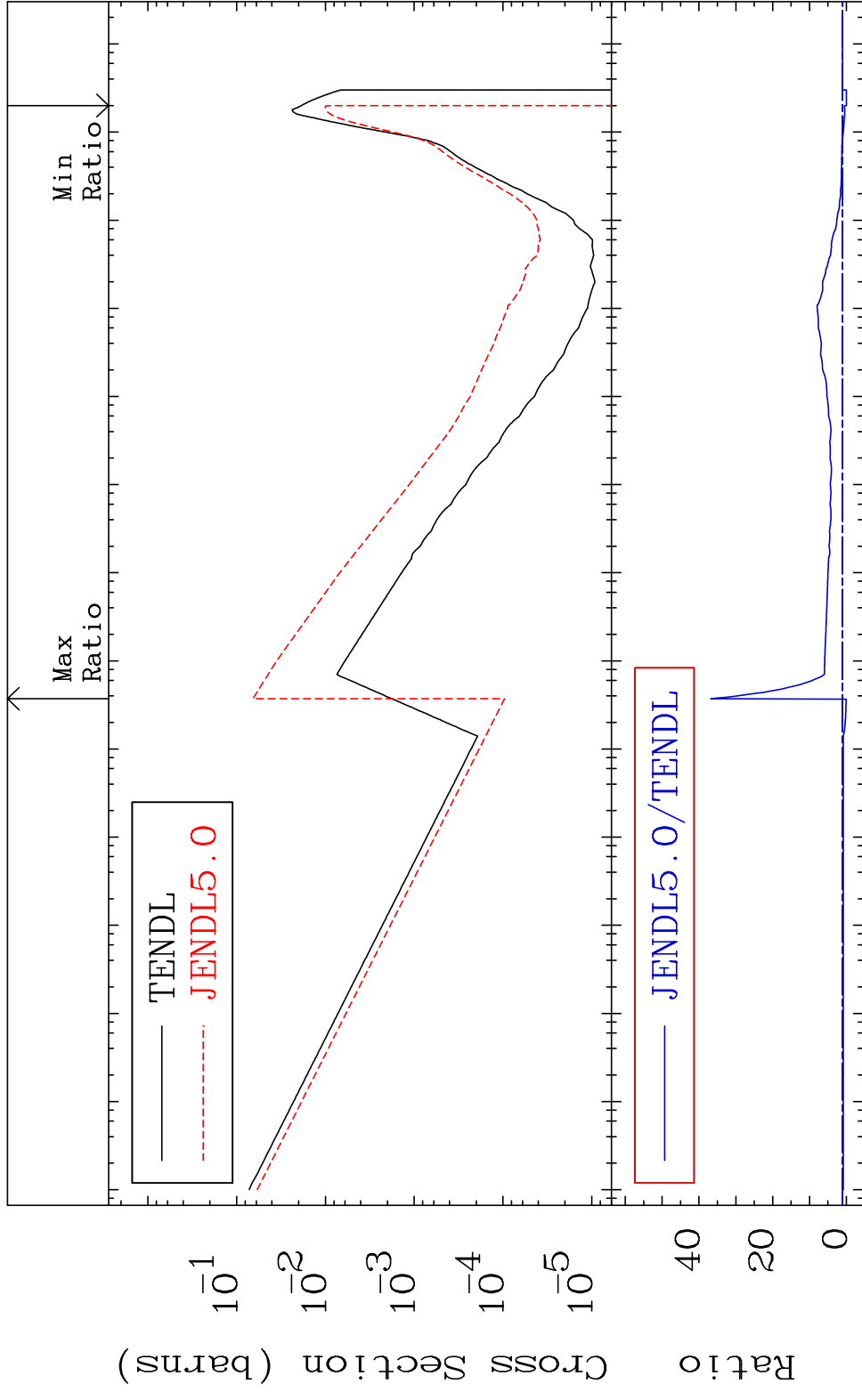


MAT 5628

56-Ba-131

(n, α)

Cross Section -100.0 To 3582. %



39

Incident Energy (eV)

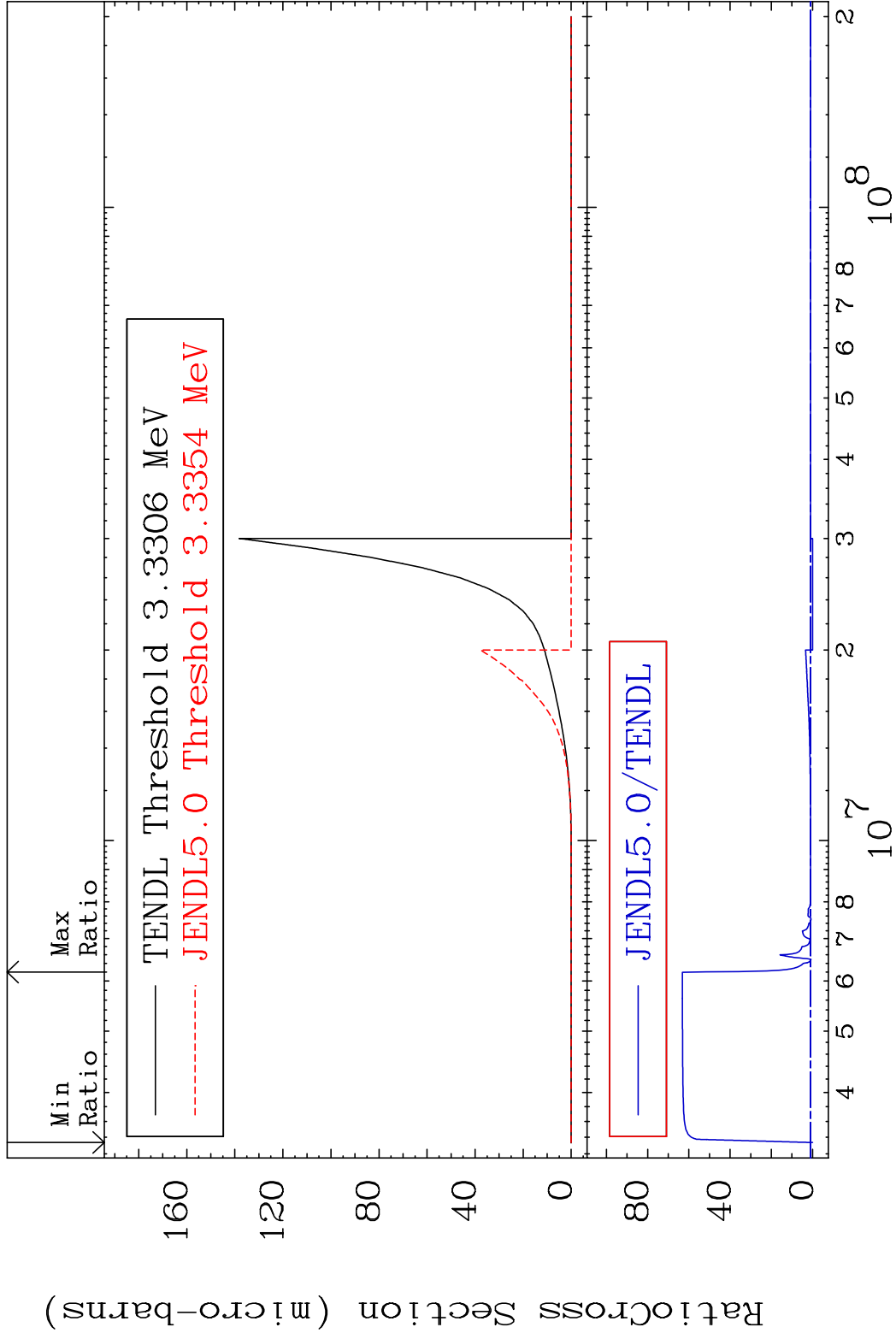
56-Ba-131

MAT 5628

(n,2p)

56-Ba-131

Cross Section -100.0 To 6216. %



40

Incident Energy (eV)

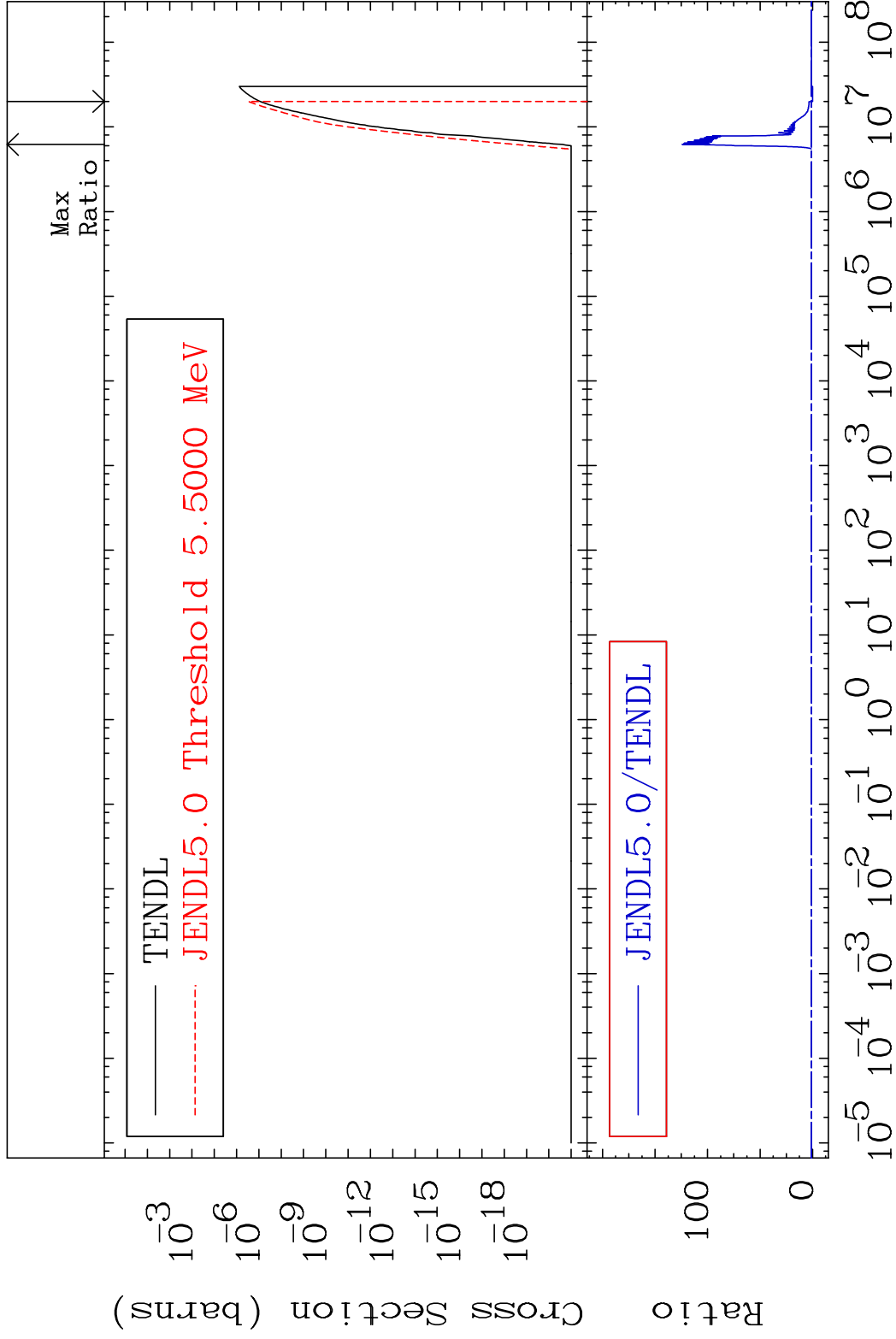
56-Ba-131

MAT 5628

(n,p) α

56-Ba-131

Cross Section -100.0 To 9999. %

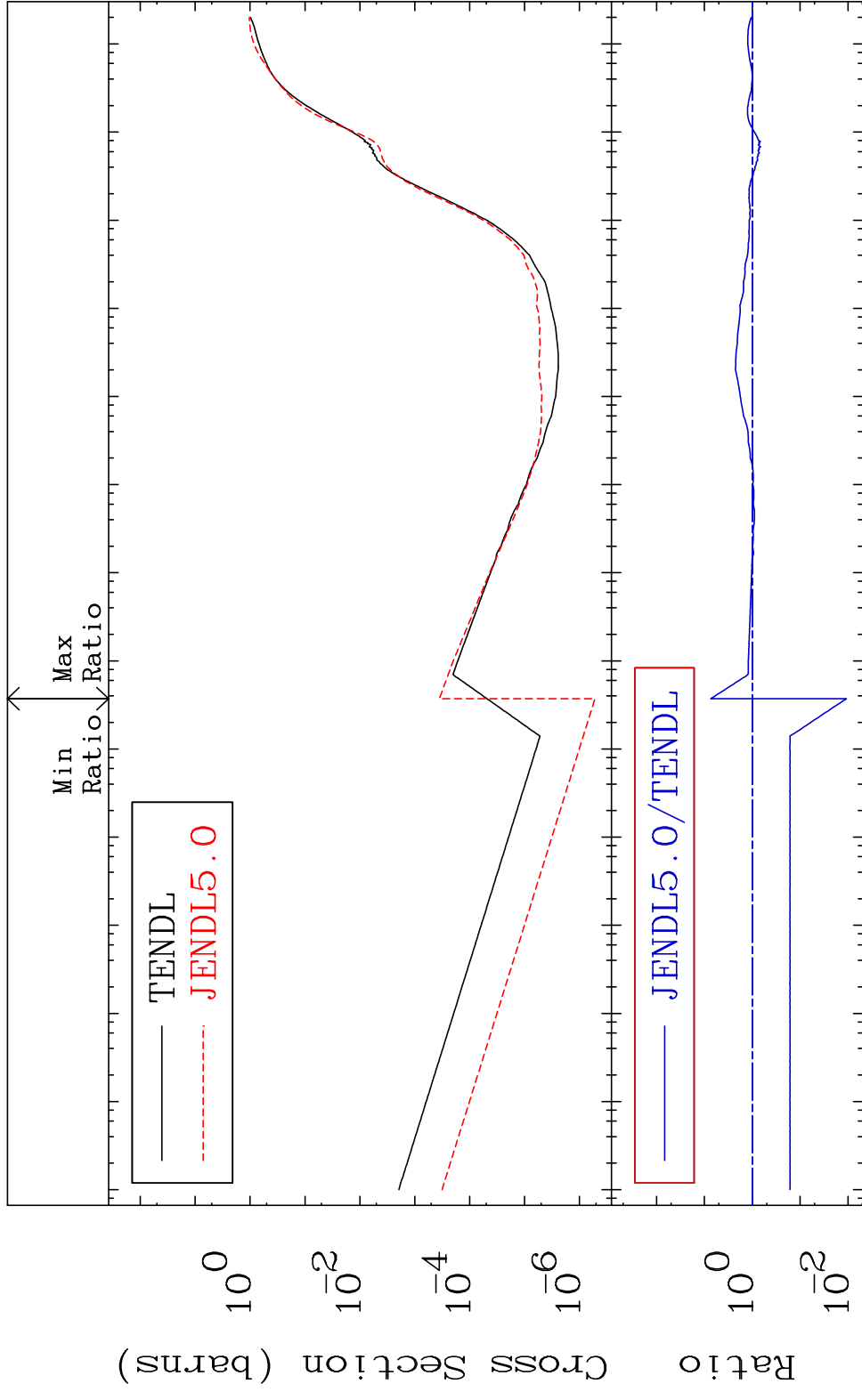


41

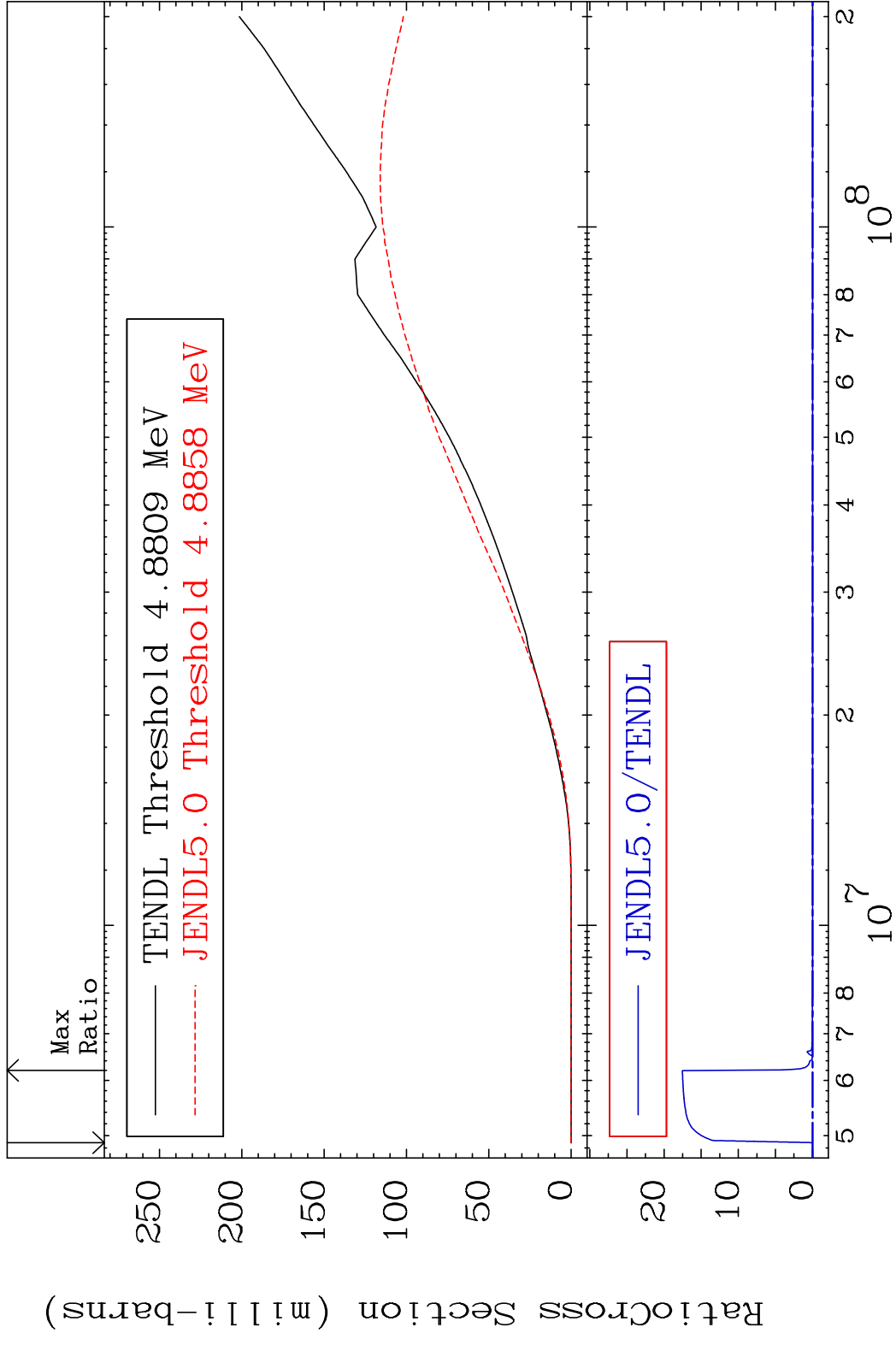
Incident Energy (eV)

56-Ba-131

MAT 5628 Hydrogen Production 56-Ba-131
 Cross Section -98.92 To 640.0 %

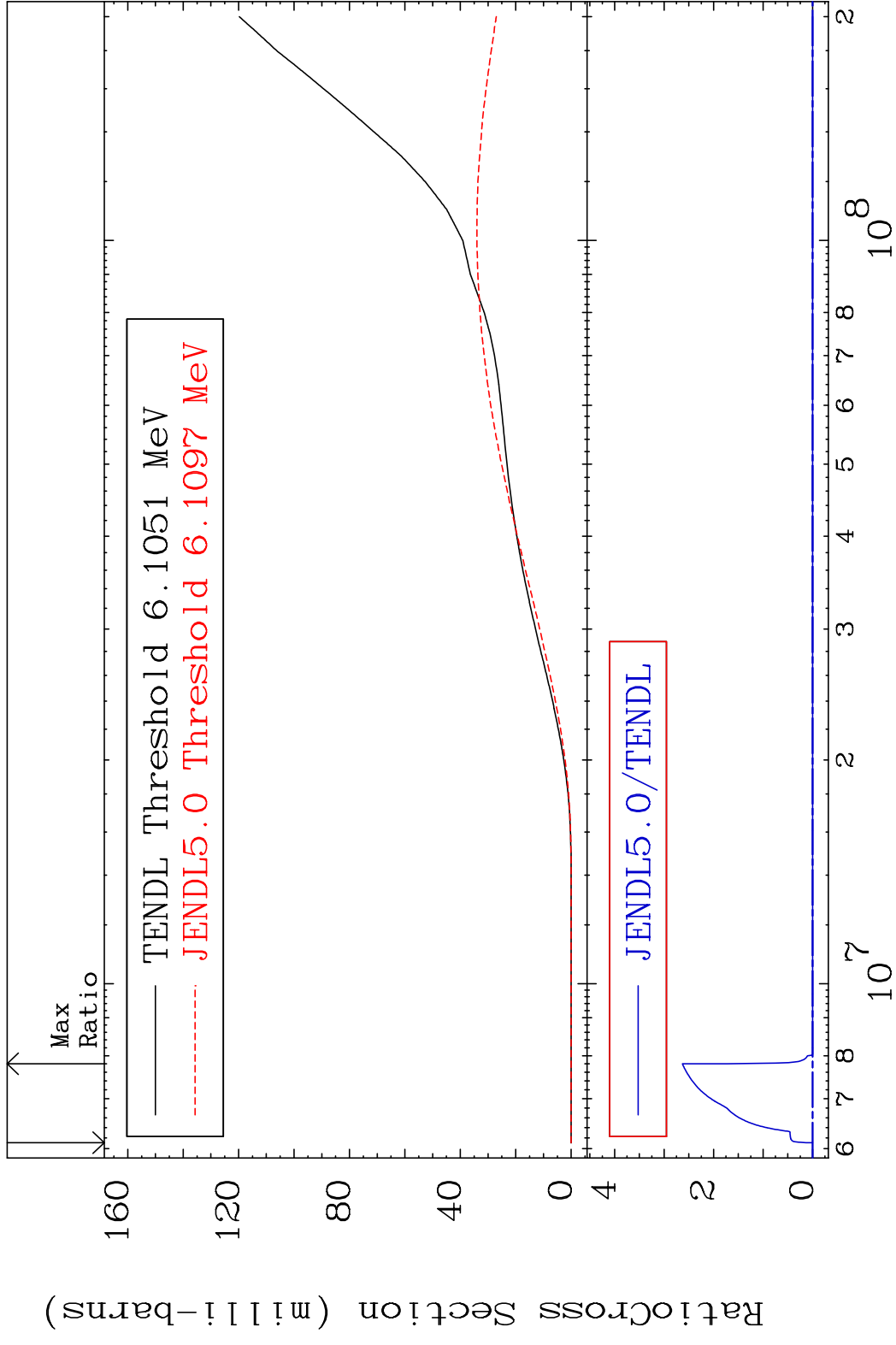


MAT 5628 Deuterium Production 56-Ba-131
 Cross Section -100.0 To 9999. %

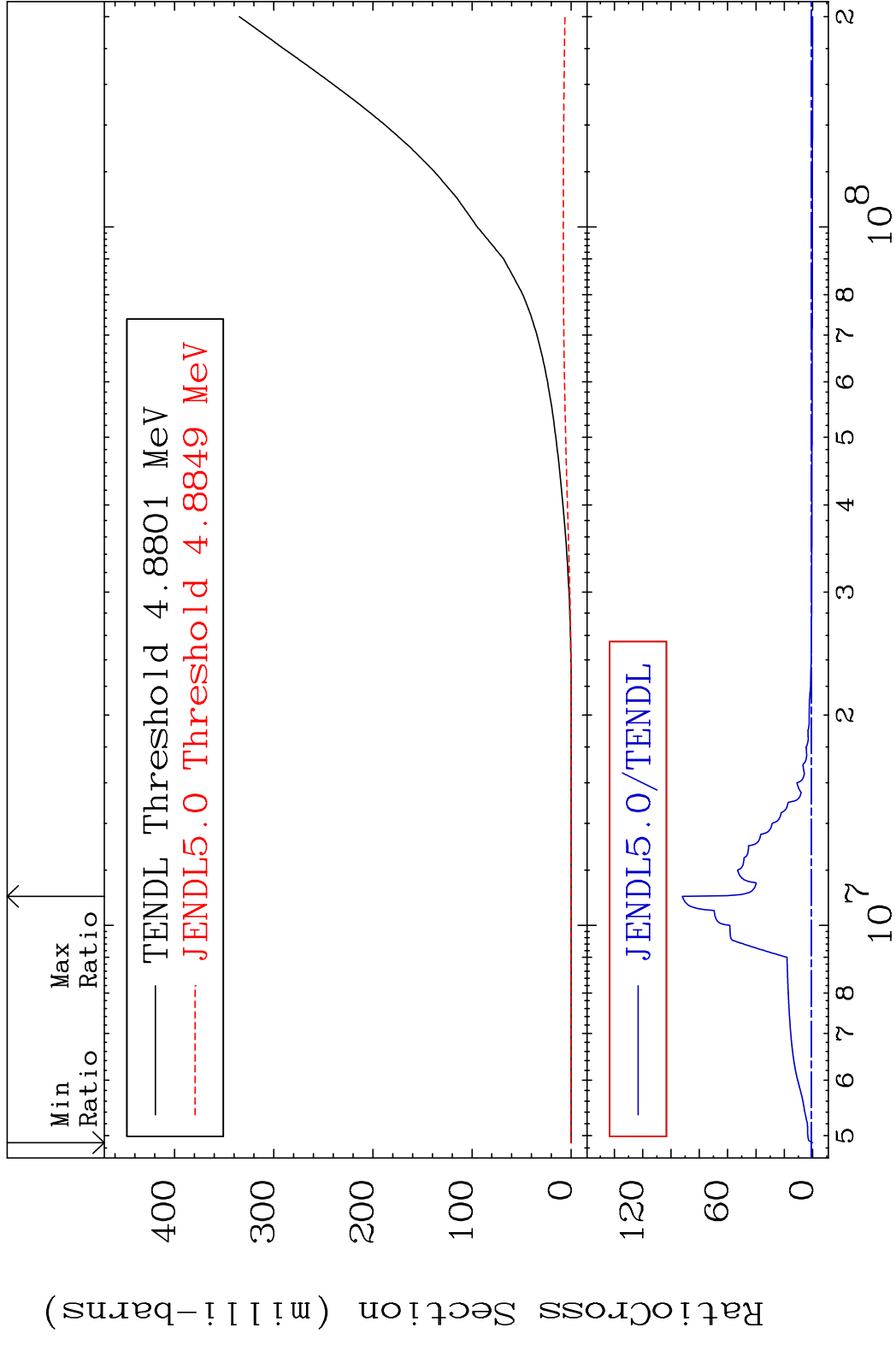


43 Incident Energy (eV) 56-Ba-131

MAT 5628 Tritium Production 56-Ba-131
 Cross Section -100.0 To 9999. %



MAT 5628 He-3 Production 56-Ba-131
 Cross Section -100.0 To 9099. %



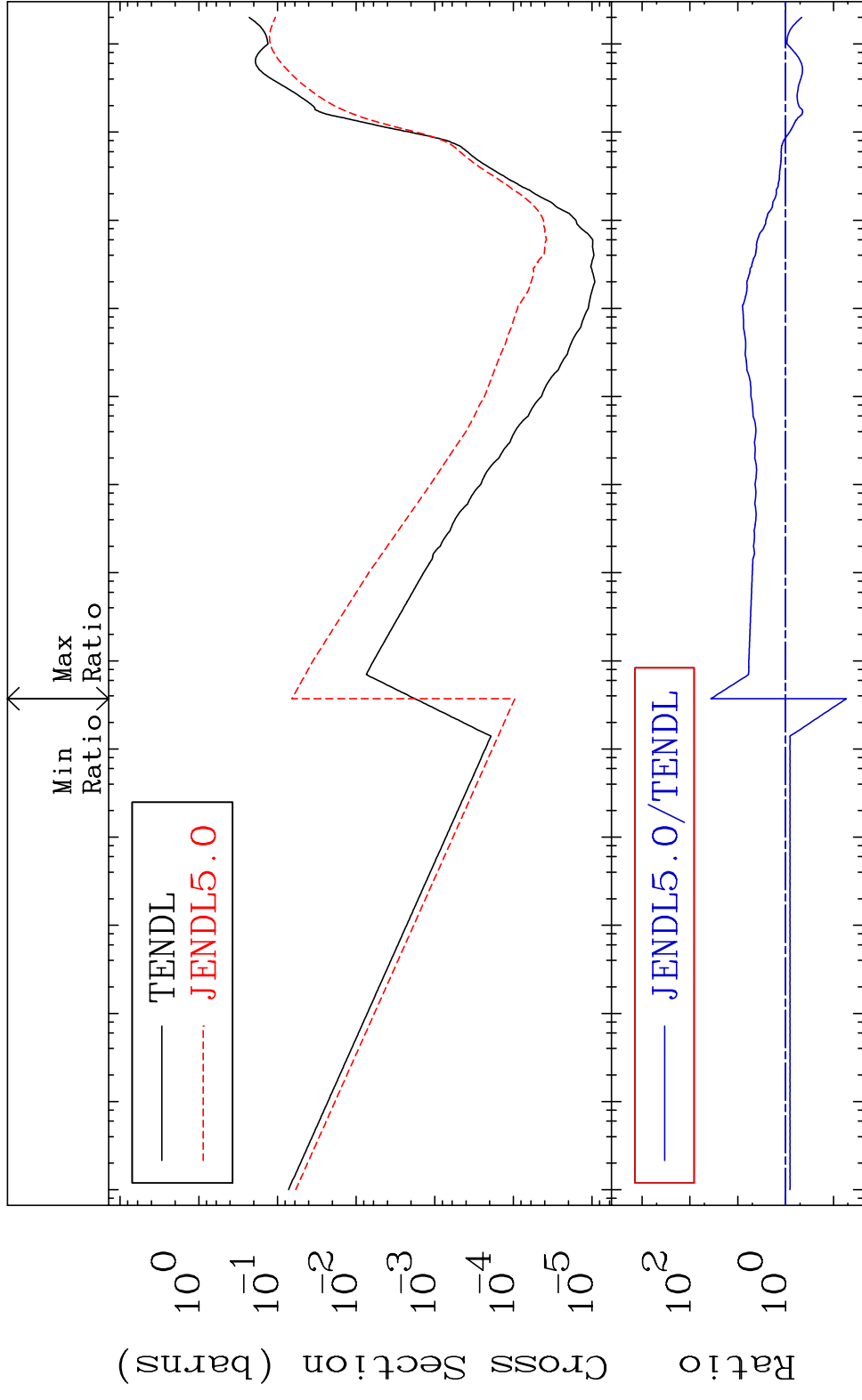
45 56-Ba-131

MAT 5628

He-4 Production

56-Ba-131

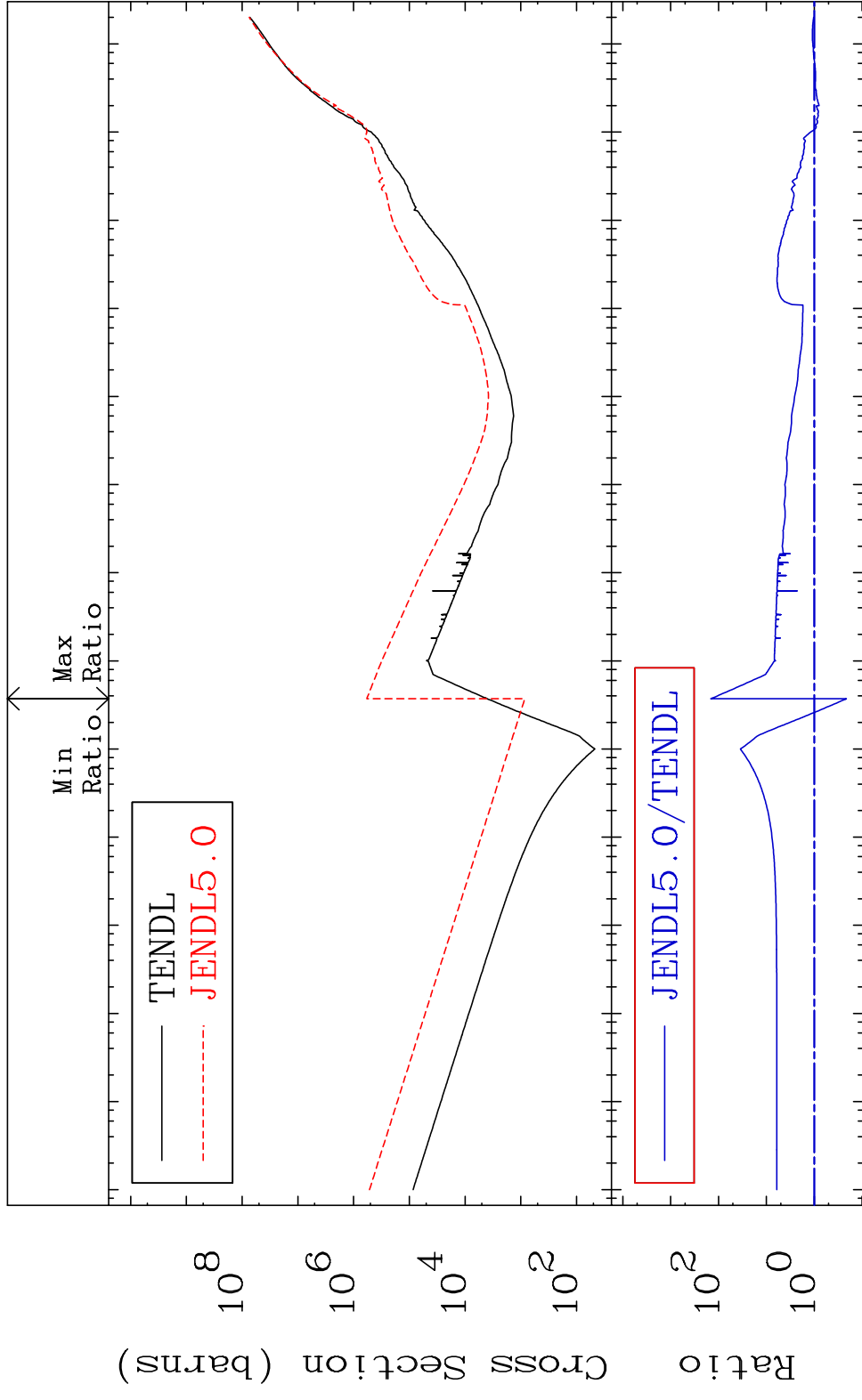
Cross Section -94.61 To 3582. %



MAT 5628

Kerma total (eV-barns) 56-Ba-131

Cross Section -78.67 To 9999. %

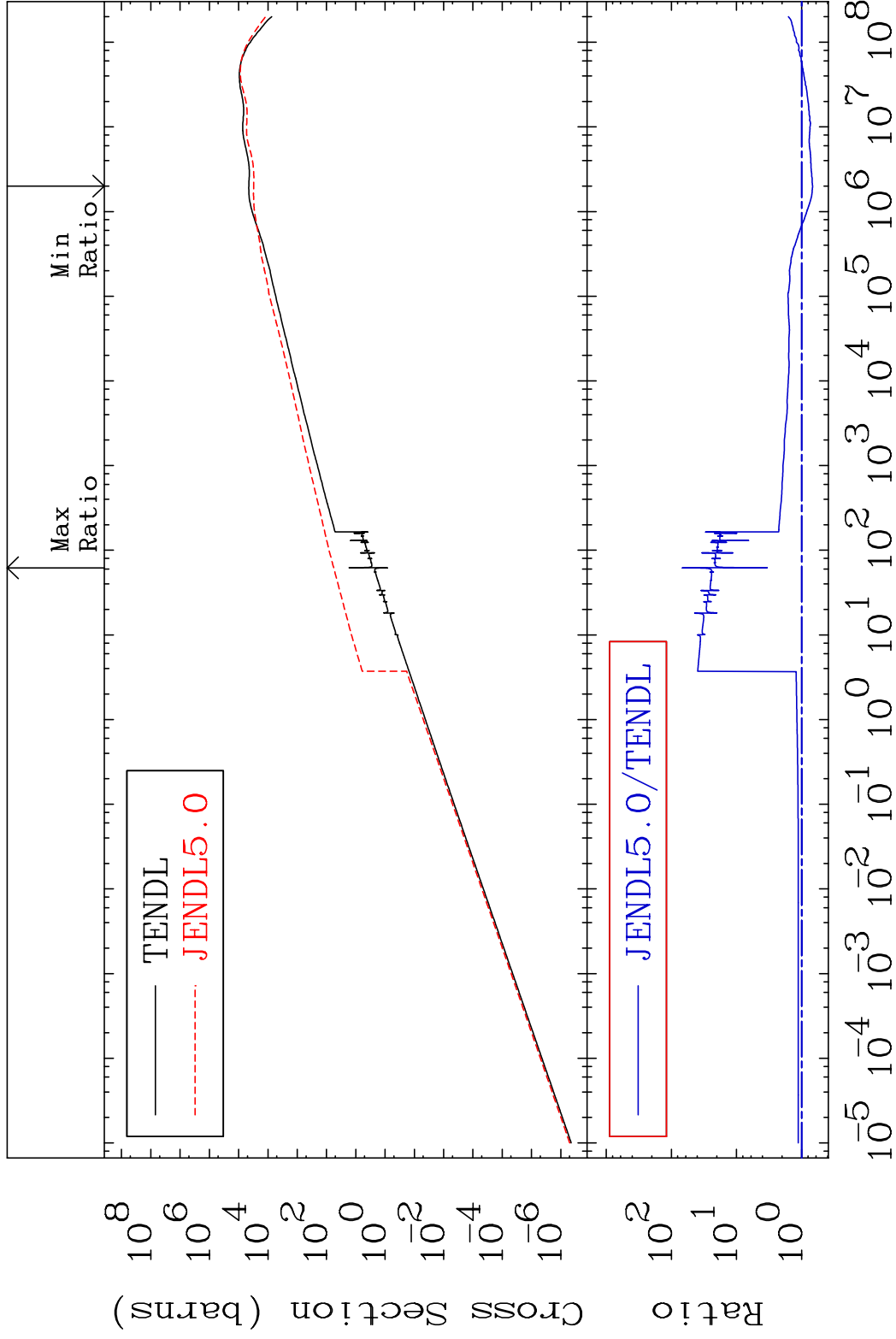


MAT 5628

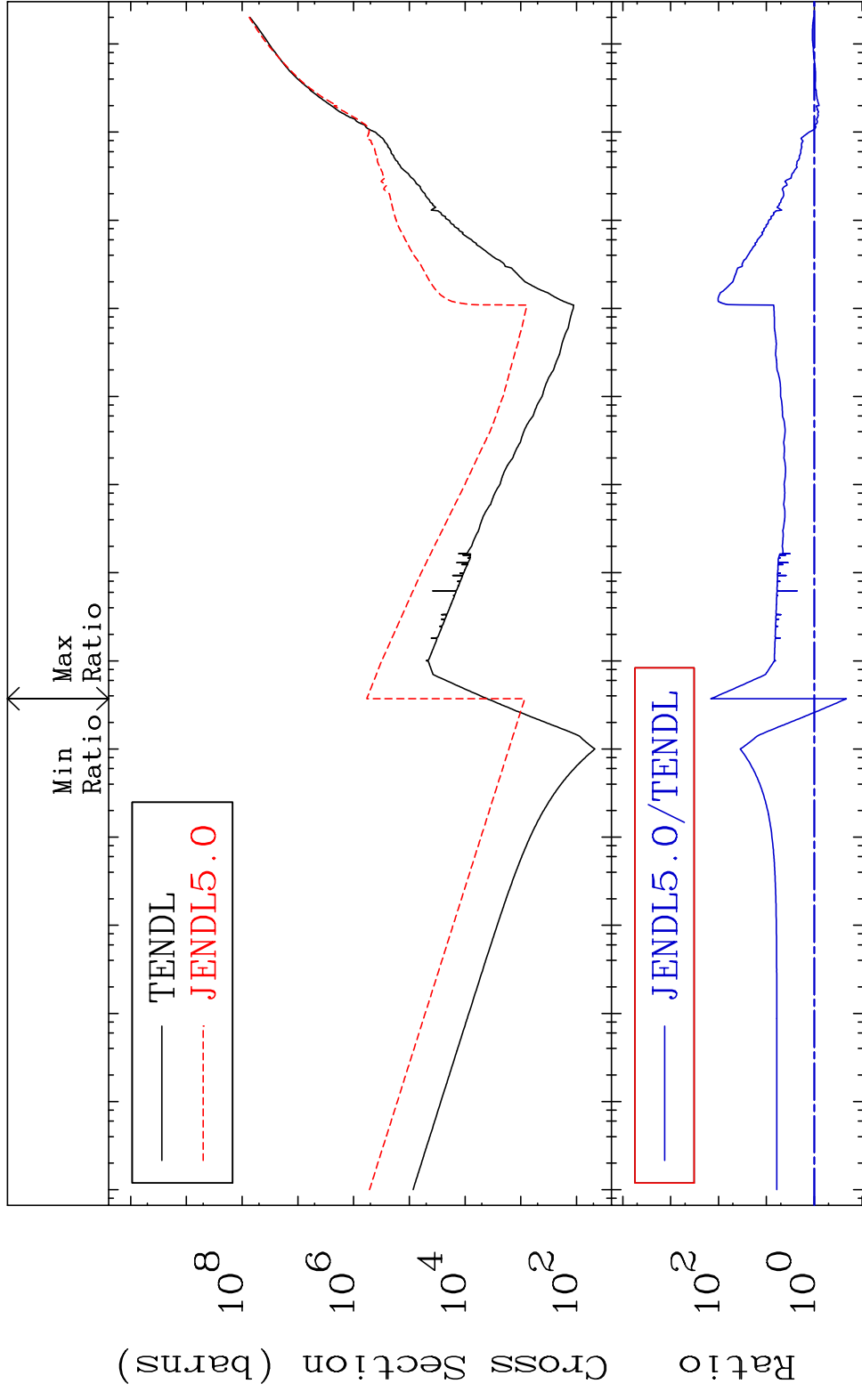
Kerma elastic

56-Ba-131

Cross Section -32.04 To 6680. %

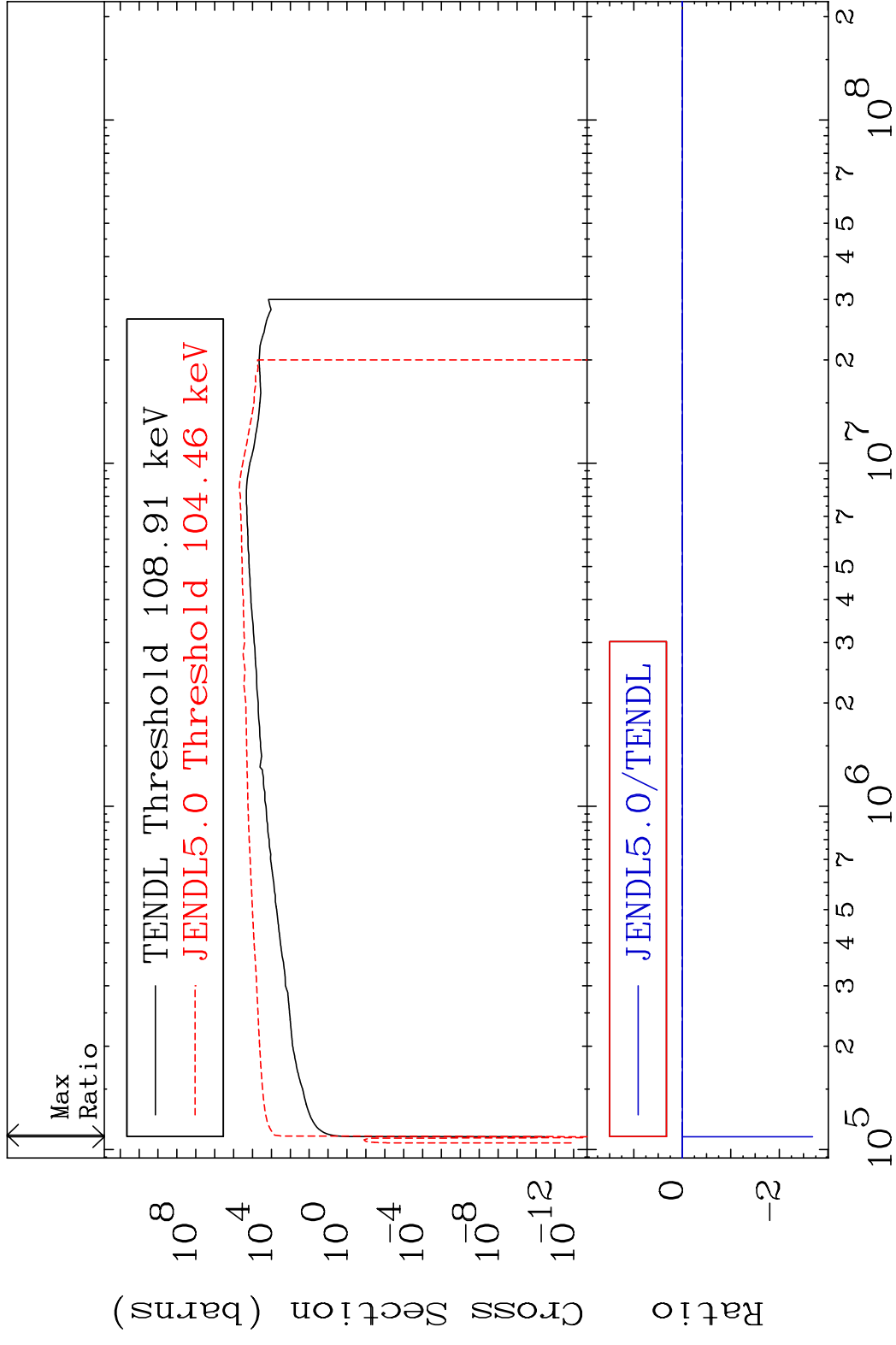


MAT 5628 Kerma non-elastic (all but mt2) 56-Ba-131
 Cross Section -78.68 To 9999. %



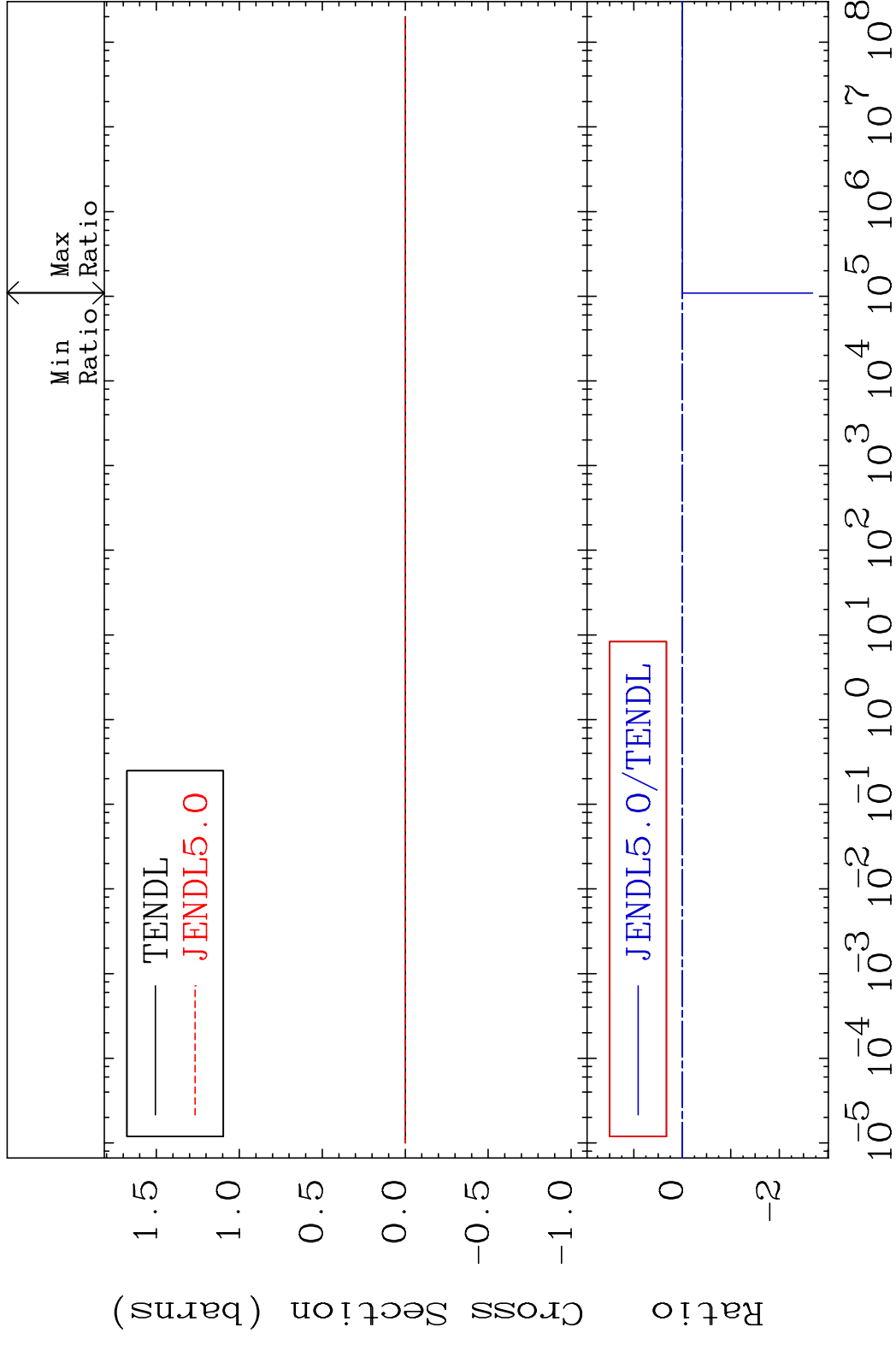
49 Incident Energy (eV) 56-Ba-131

MAT 5628 Kerma inelastic (mt51-91) 56-Ba-131
Cross Section -9999. To 9999. %

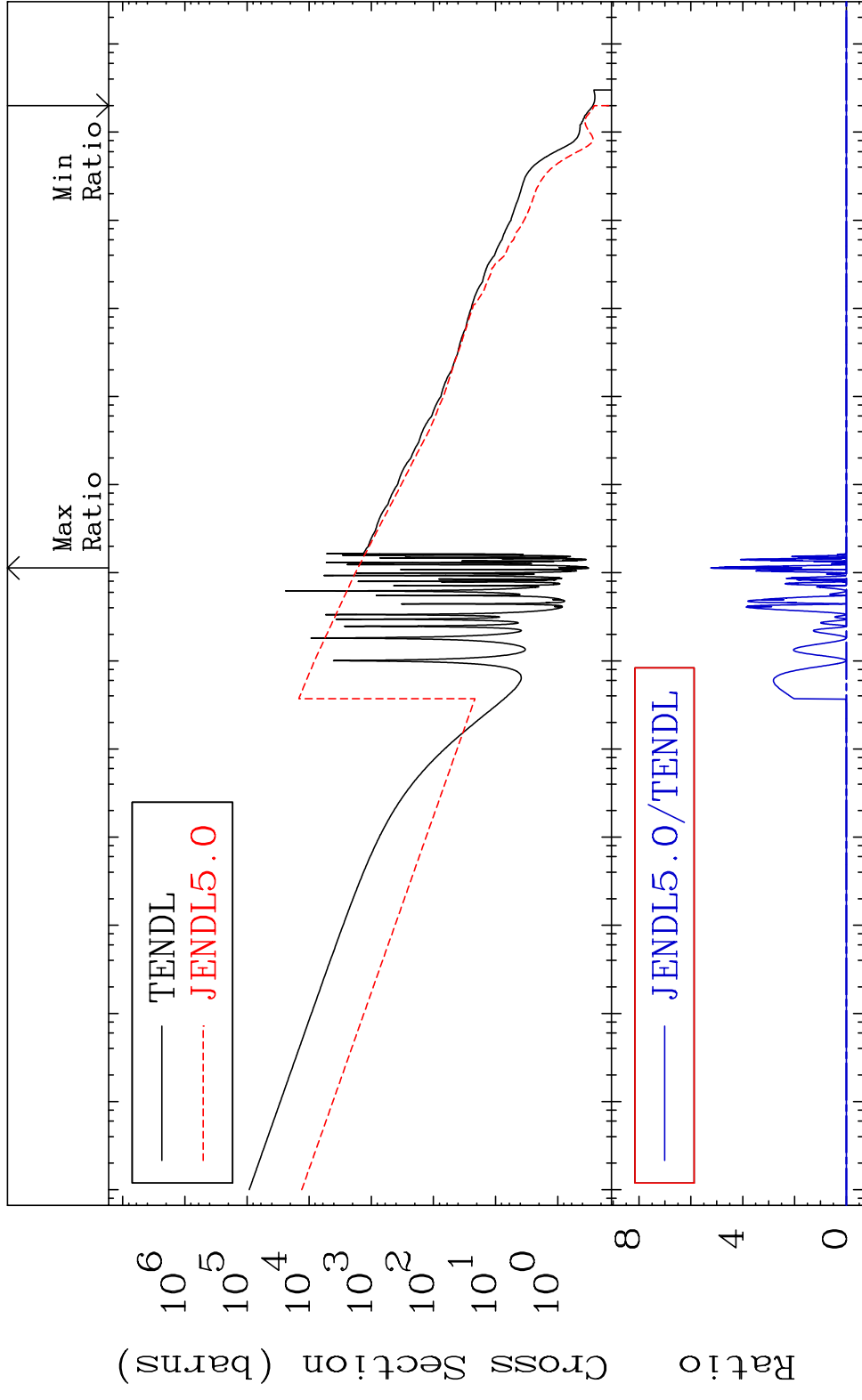


50 Incident Energy (eV) 56-Ba-131

MAT 5628 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-131
 Cross Section -9999. To 9999. %

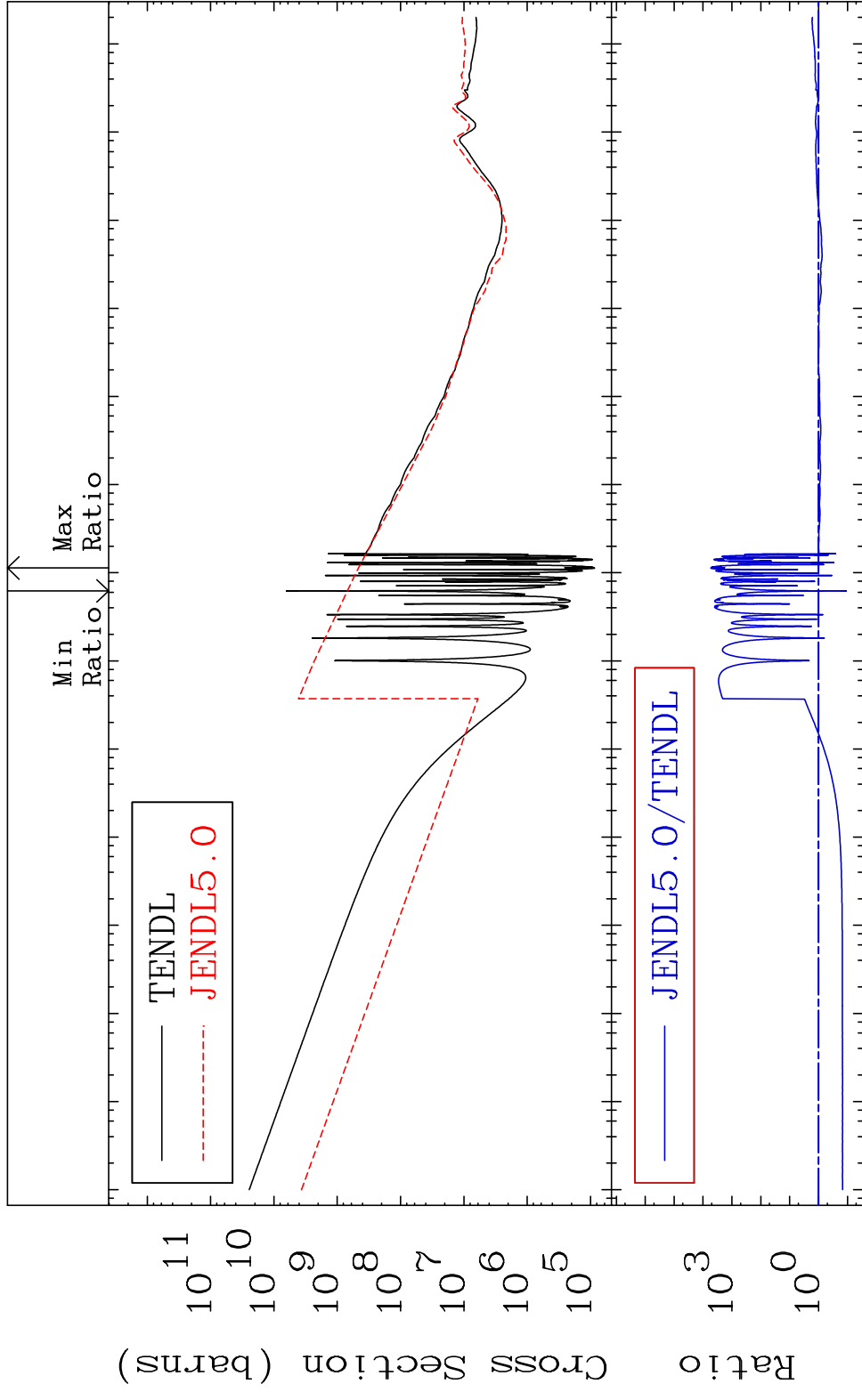


MAT 5628 Kerma capture (mt102) 56-Ba-131
 Cross Section -100.0 To 9999. %

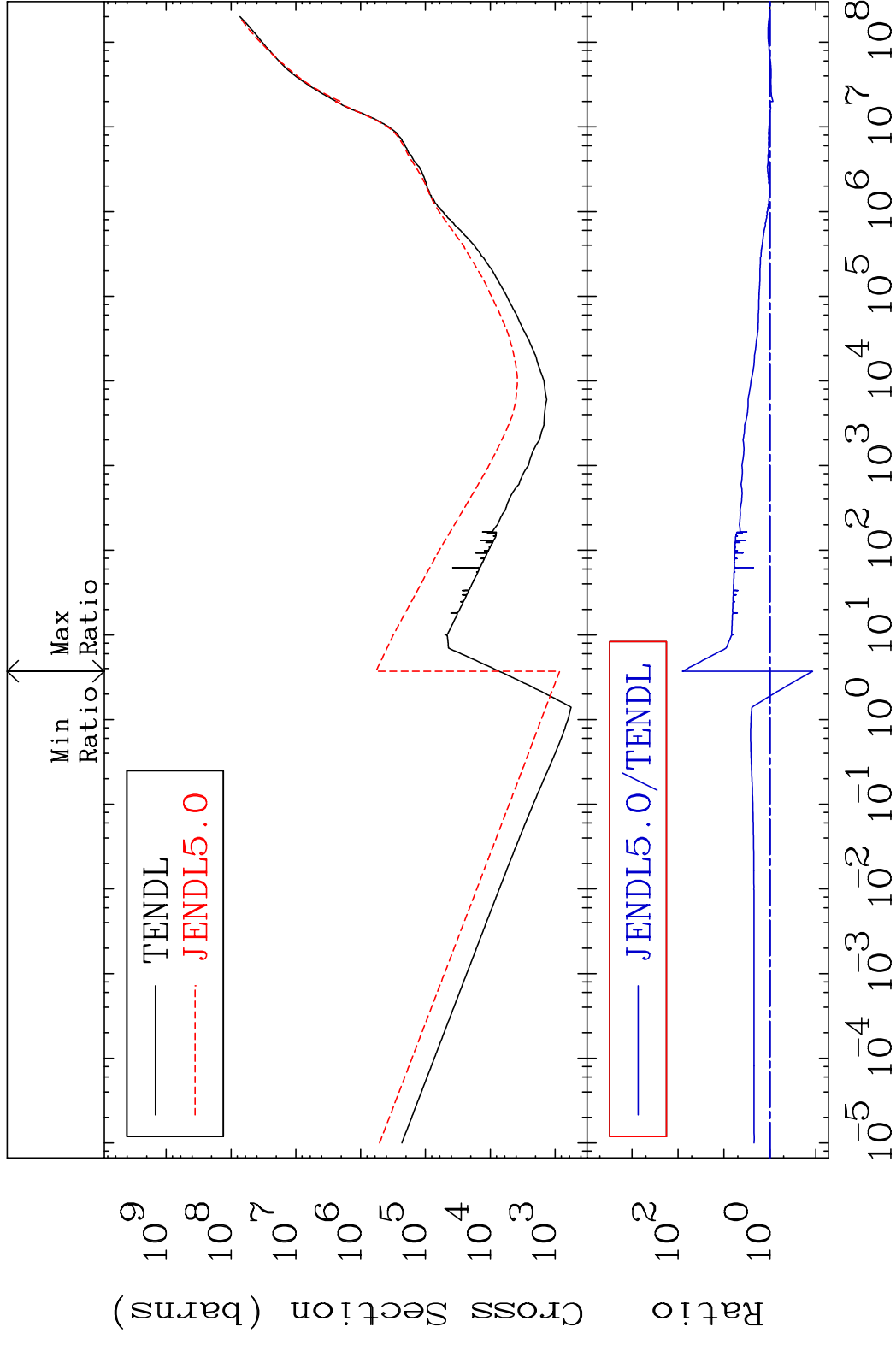


52 Incident Energy (eV) 56-Ba-131

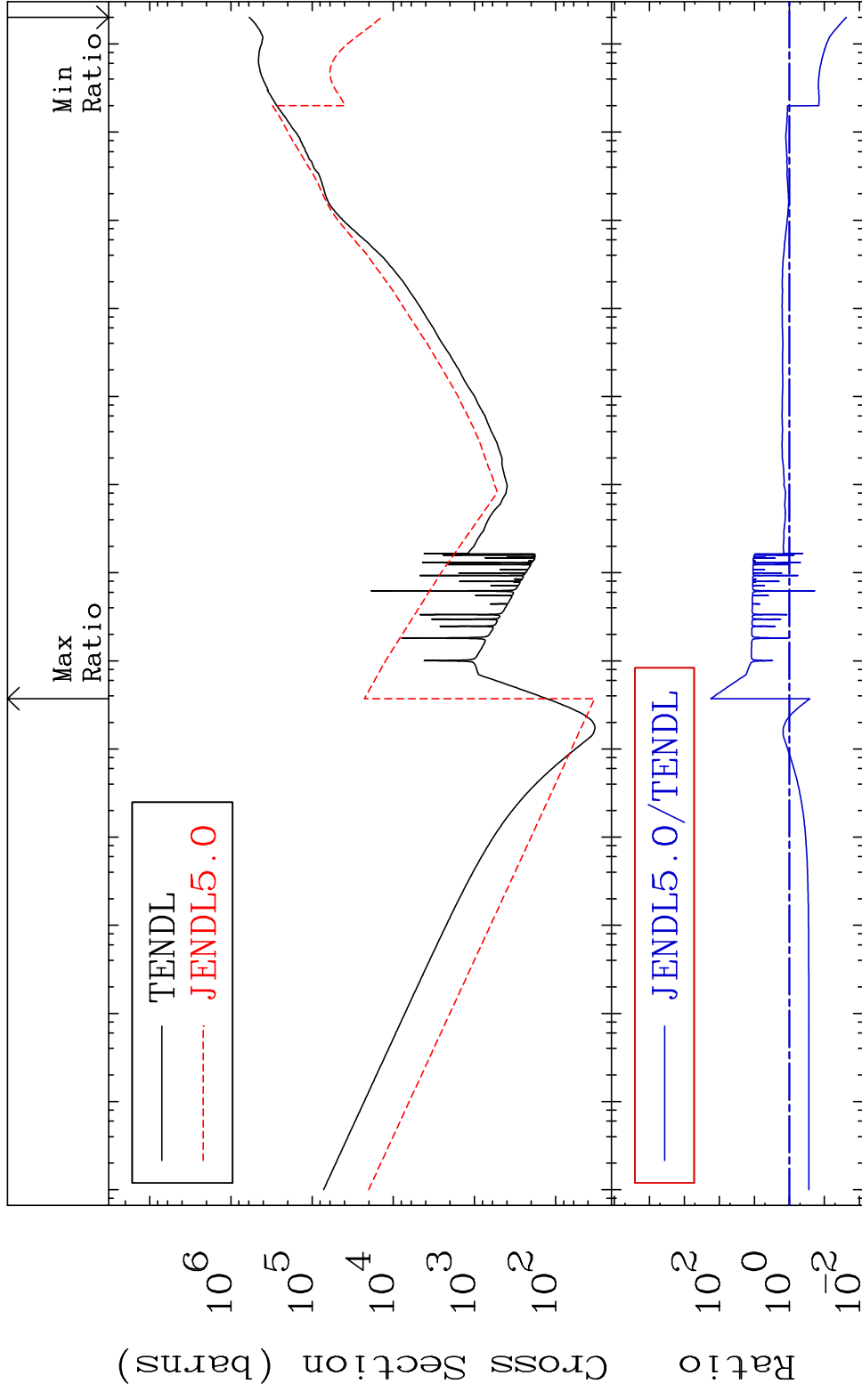
MAT 5628 Total photon (eV-barns) 56-Ba-131
 Cross Section -89.02 To 9999. %



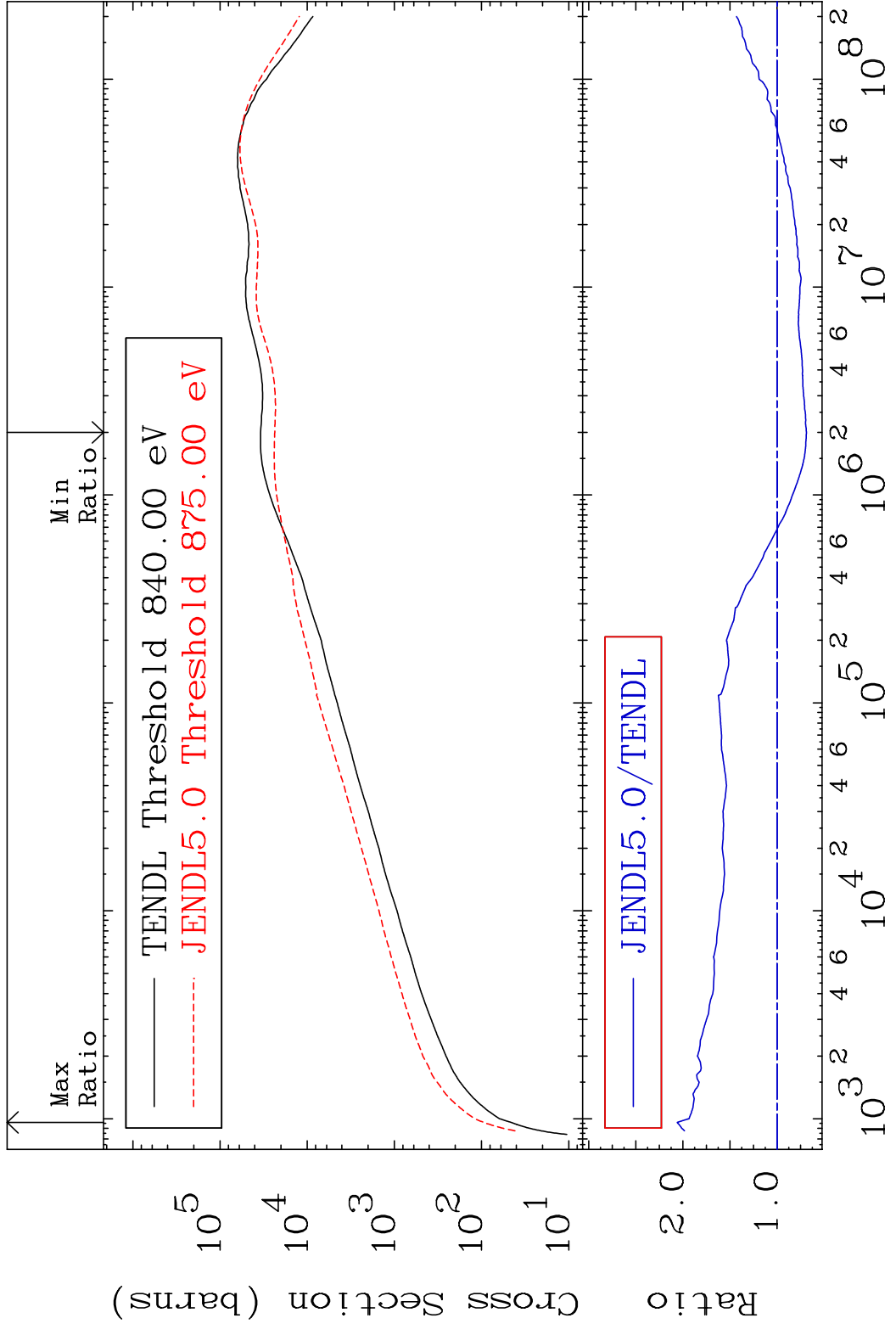
MAT 5628 Total kinematic kerma (high limit) 56-Ba-131
 Cross Section -88.24 To 7925. %



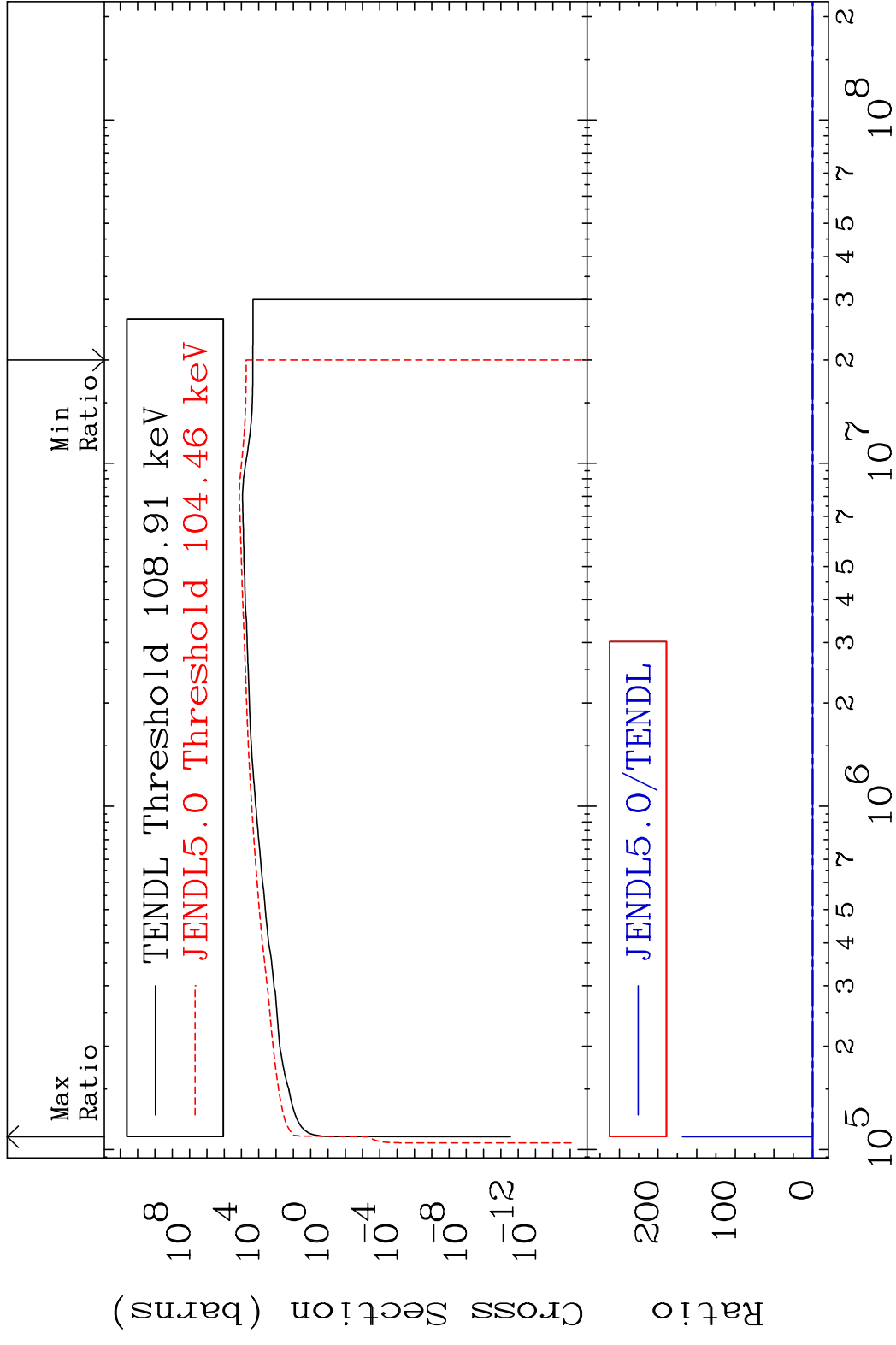
MAT 5628 Dpa total (eV-barns) 56-Ba-131
 Cross Section -97.64 To 9999. %



MAT 5628 Dpa elastic (mt2) 56-Ba-131
 Cross Section -31.21 To 106.1 %

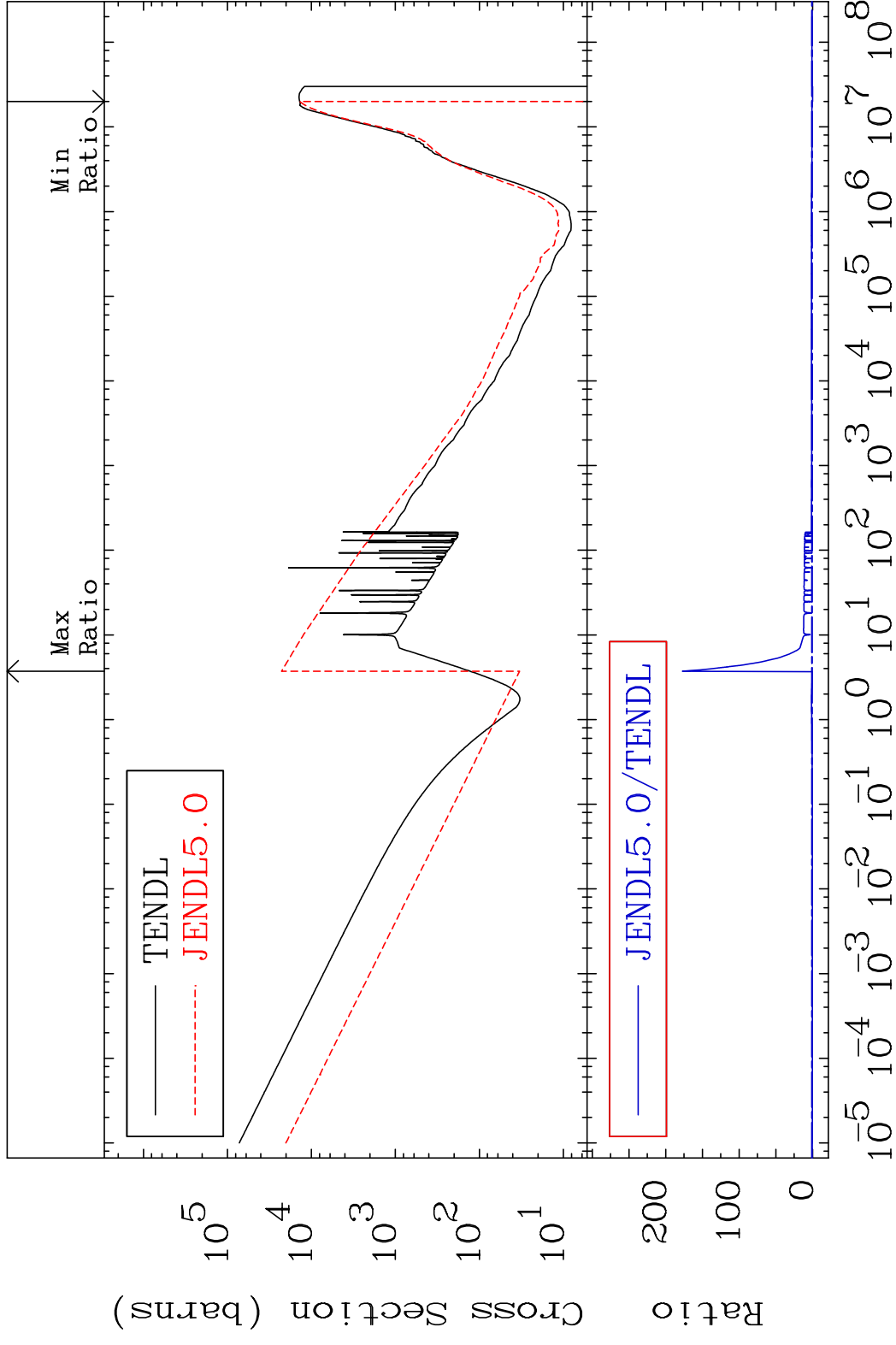


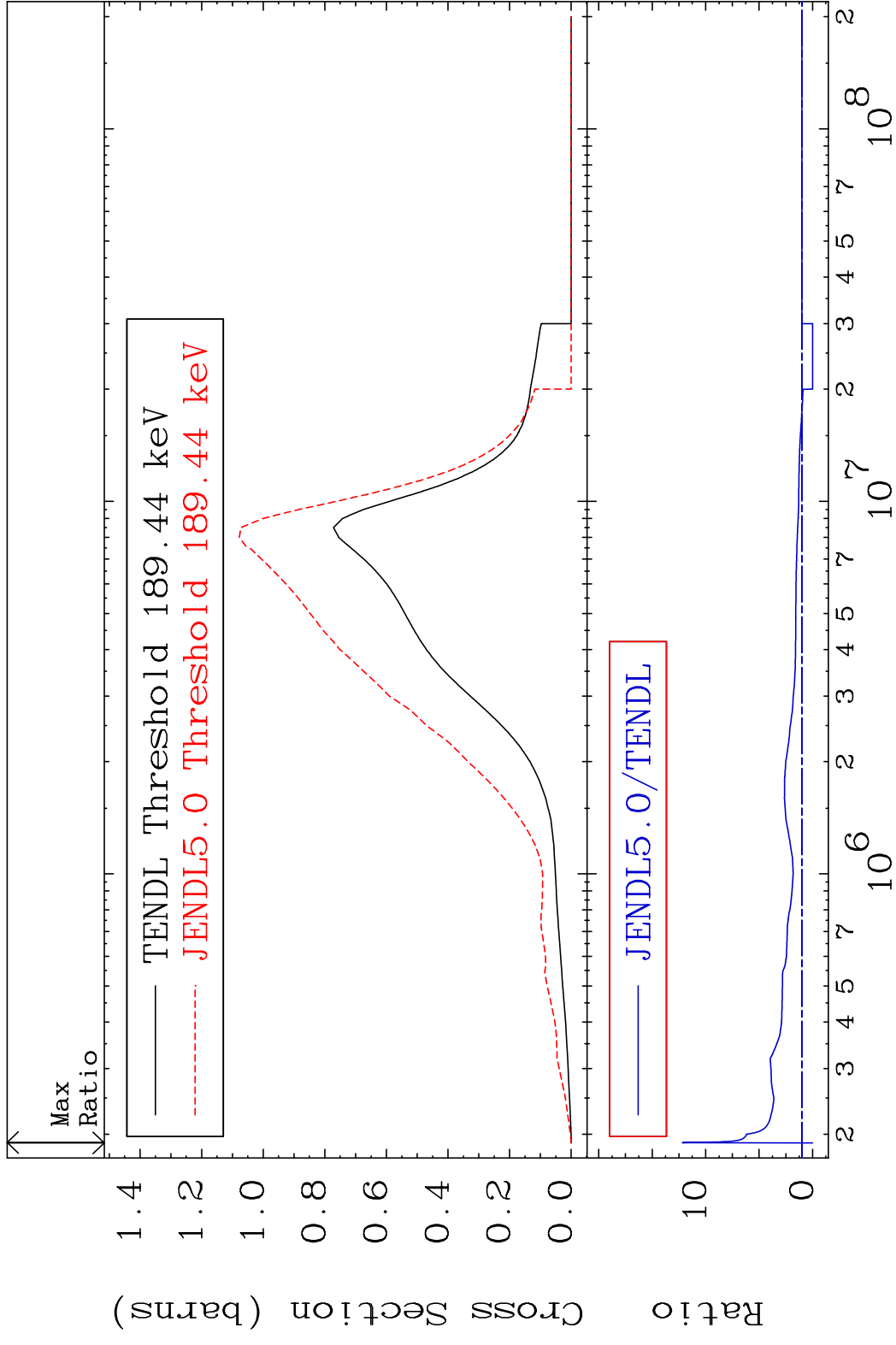
MAT 5628 Dpa inelastic (mt51-91) 56-Ba-131
 Cross Section -100.0 To 9999. %



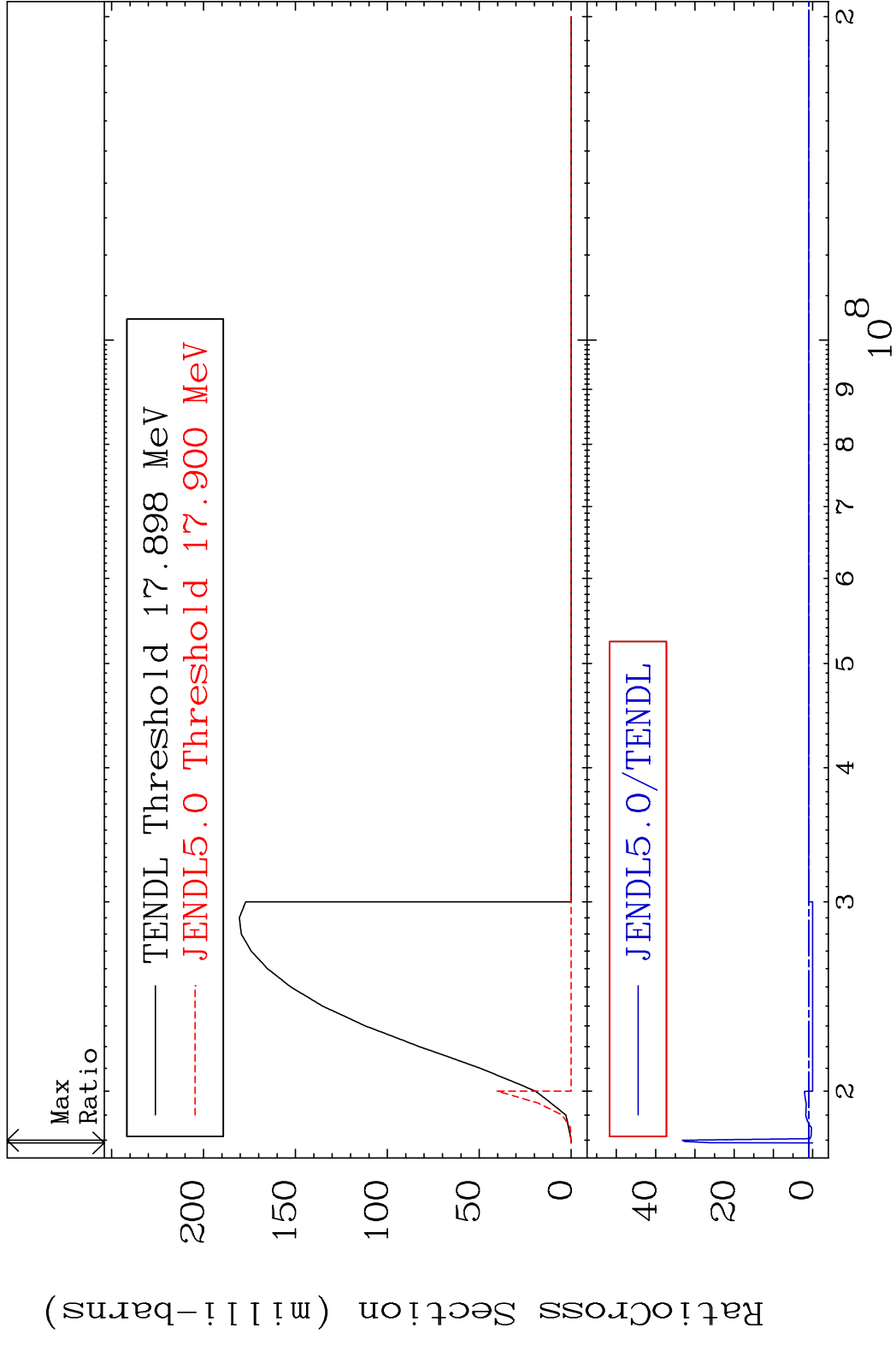
57 Incident Energy (eV) 56-Ba-131

MAT 5628 Dpa disappearance (mt102 -120) 56-Ba-131
 Cross Section -100.0 To 9999. %

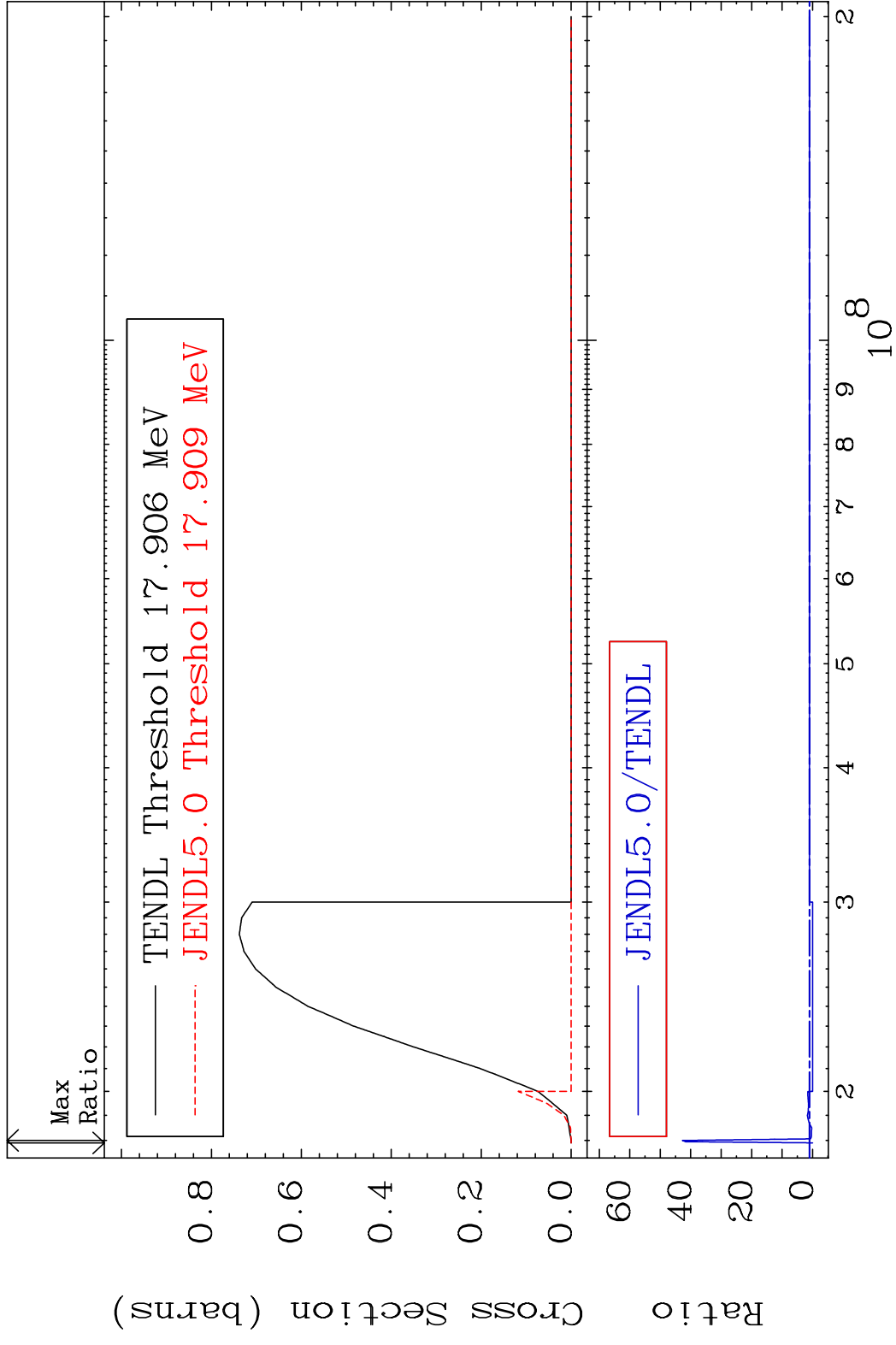




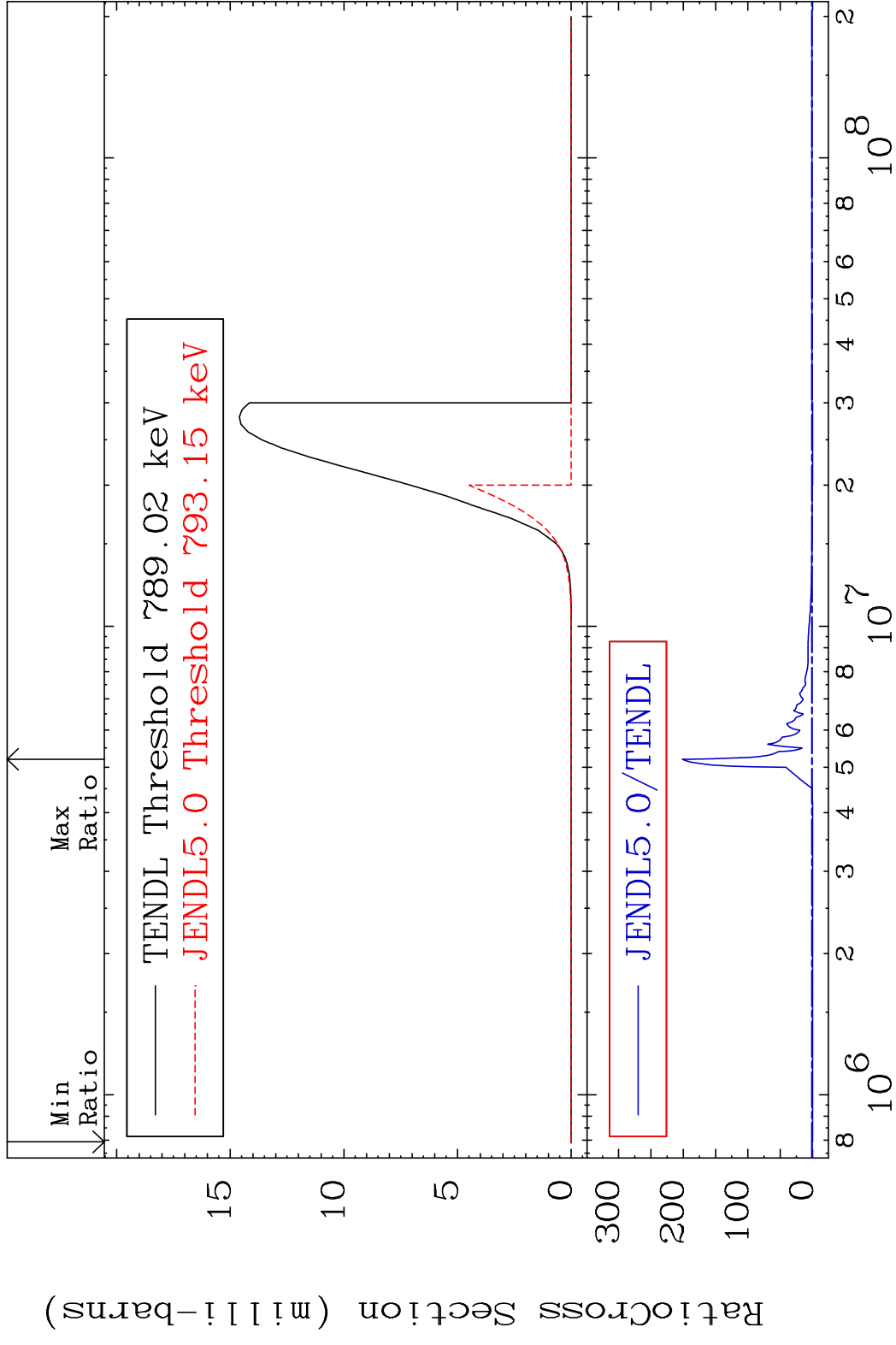
MAT 5628 (n,3n):56-Ba-129g 56-Ba-131
 Radionuclide Production Cross Section Ratio 3218. %



MAT 5628 (n, 3n):56-Ba-129m1 56-Ba-131
 Radionuclide Production Cross Section Ratio 4174. %

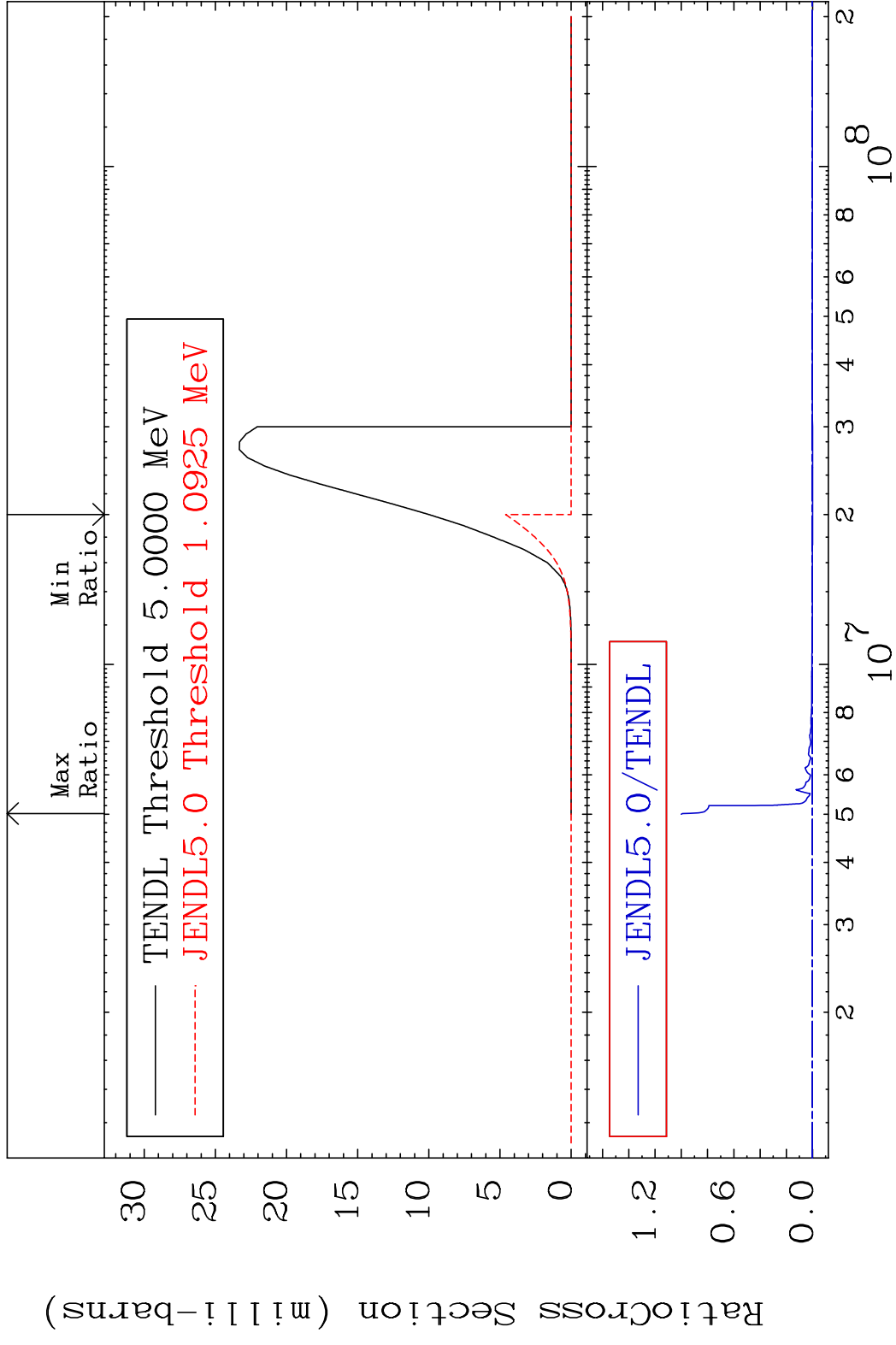


MAT 5628 (n, n') α :54-Xe-127g 56-Ba-131
 Radionuclide Production Cross Section Ratio 9999. %

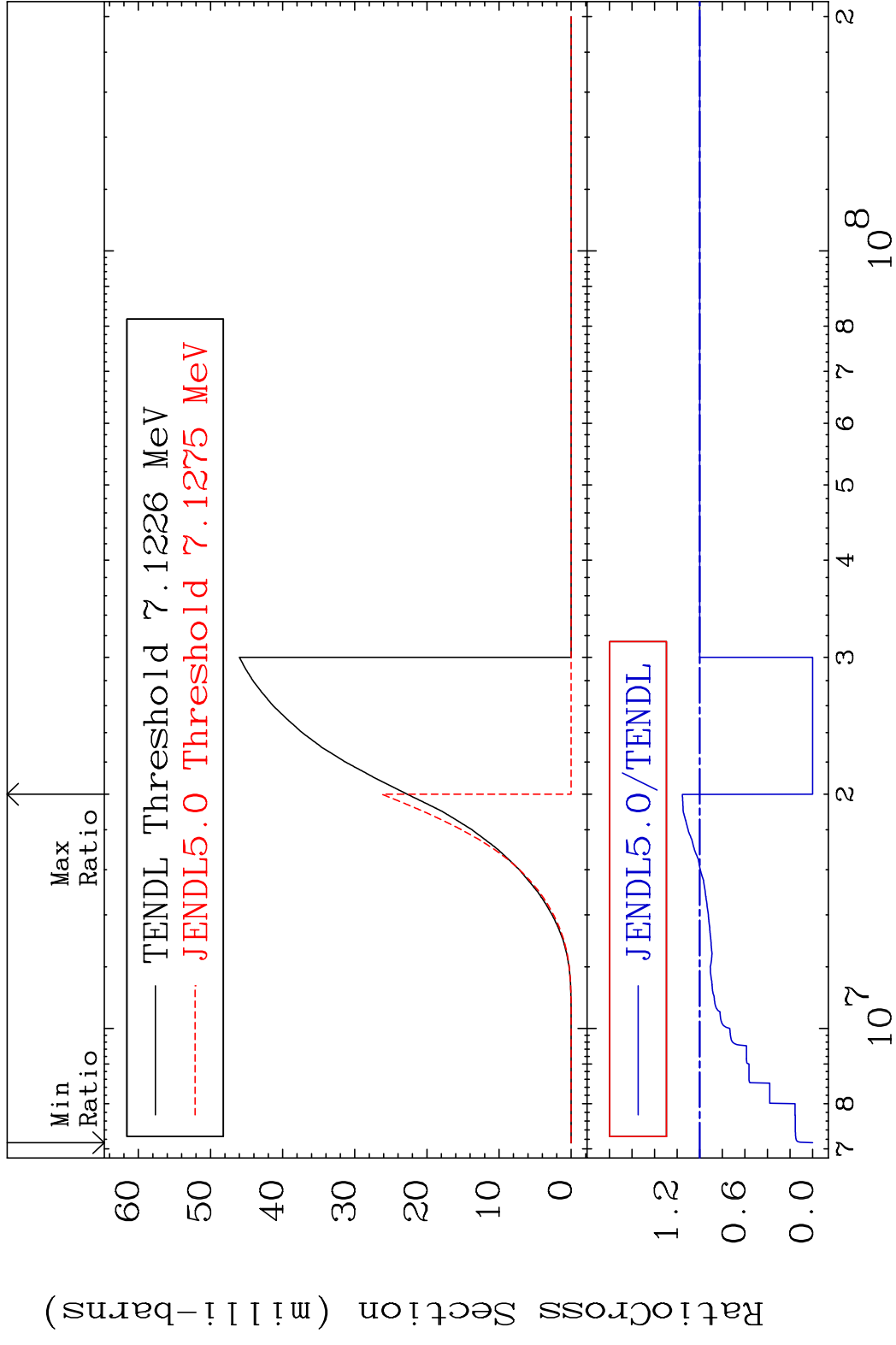


62 Incident Energy (eV) 56-Ba-131

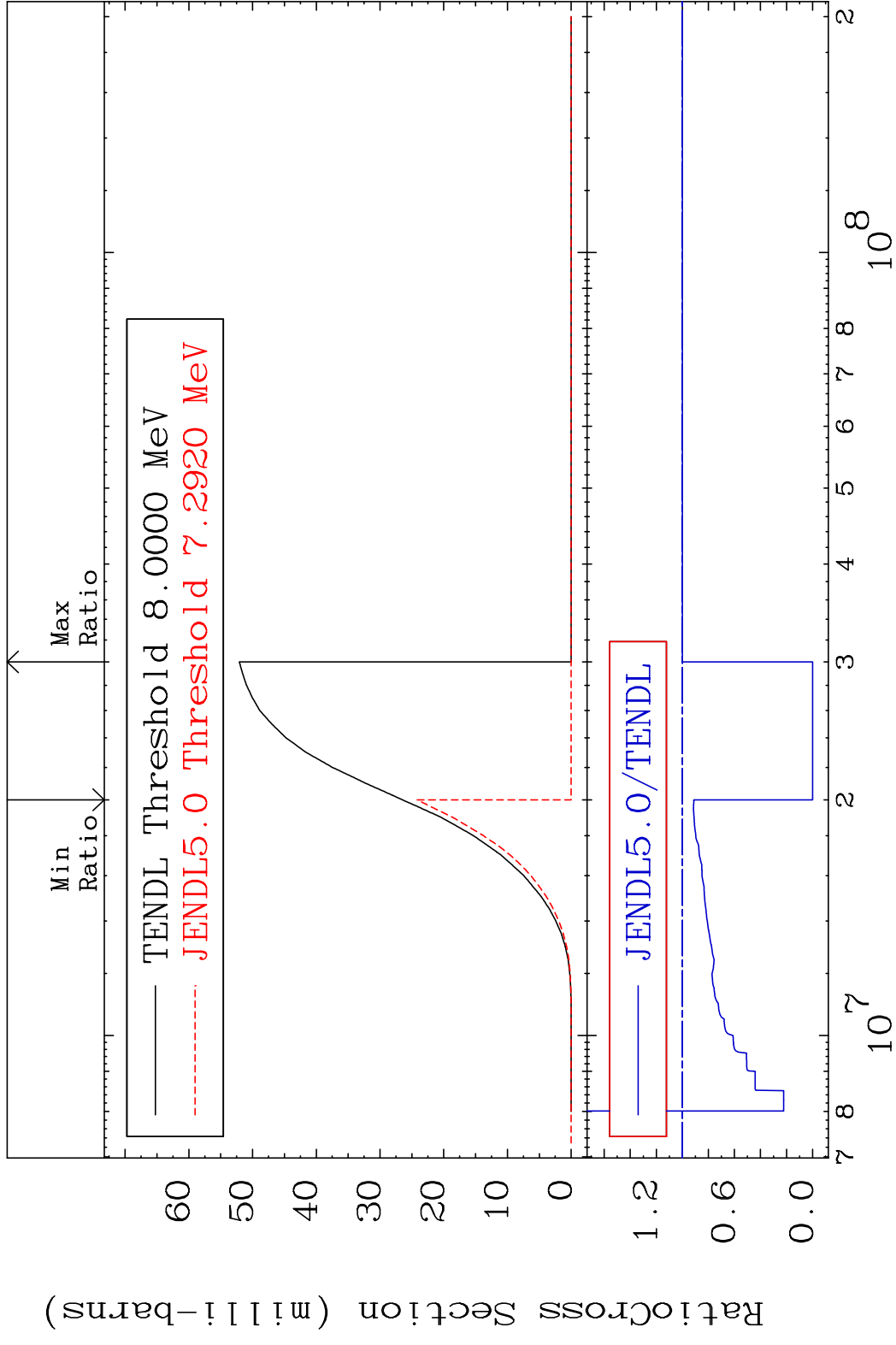
MAT 5628 (n, n') α :54-Xe-127m2 56-Ba-131
 Radionuclide Production Cross Section Ratio 9999. %



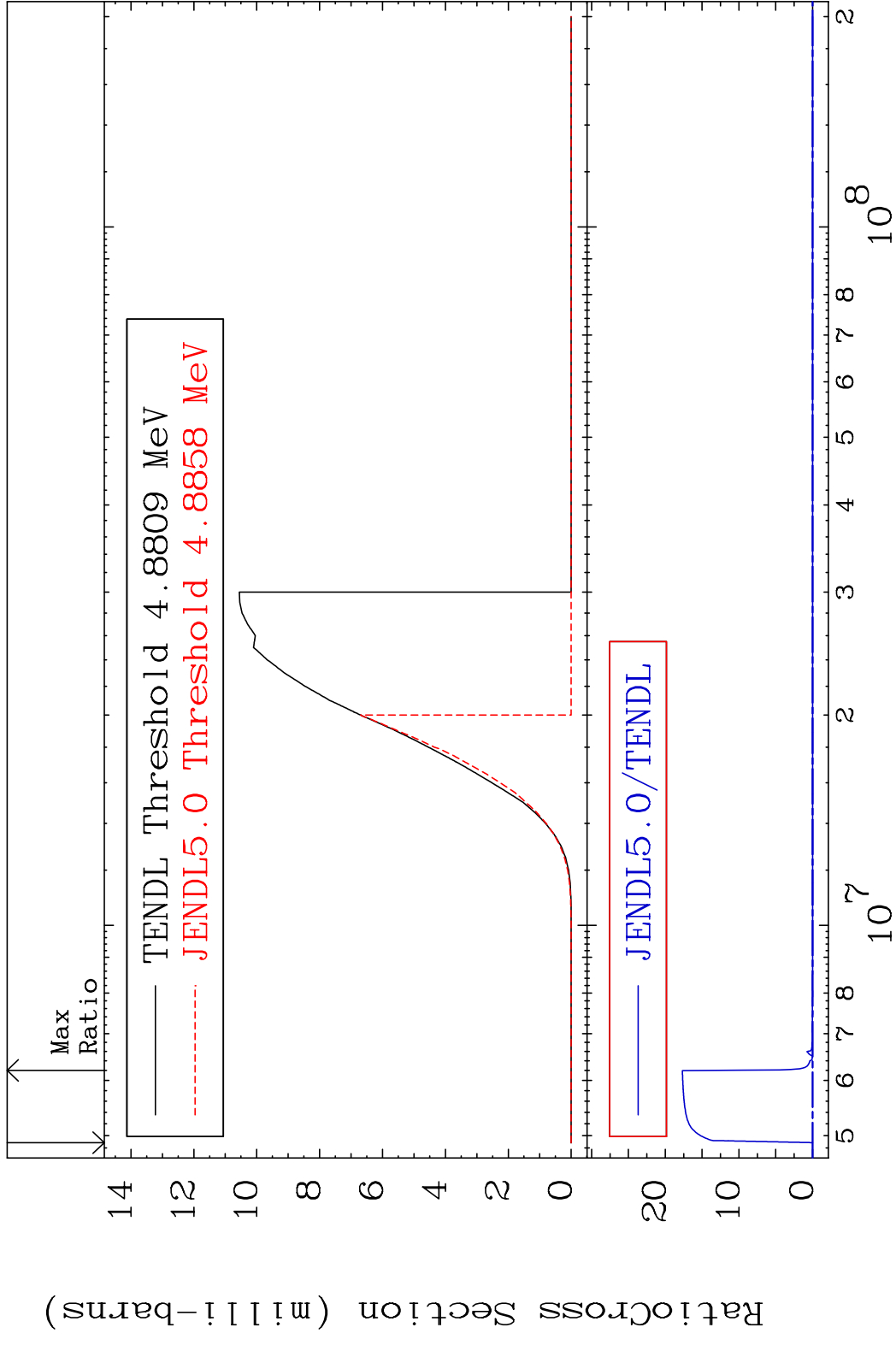
MAT 5628 (n, n') p:55-Cs-130g 56-Ba-131
 Radionuclide Production Cross Section 15.32 %



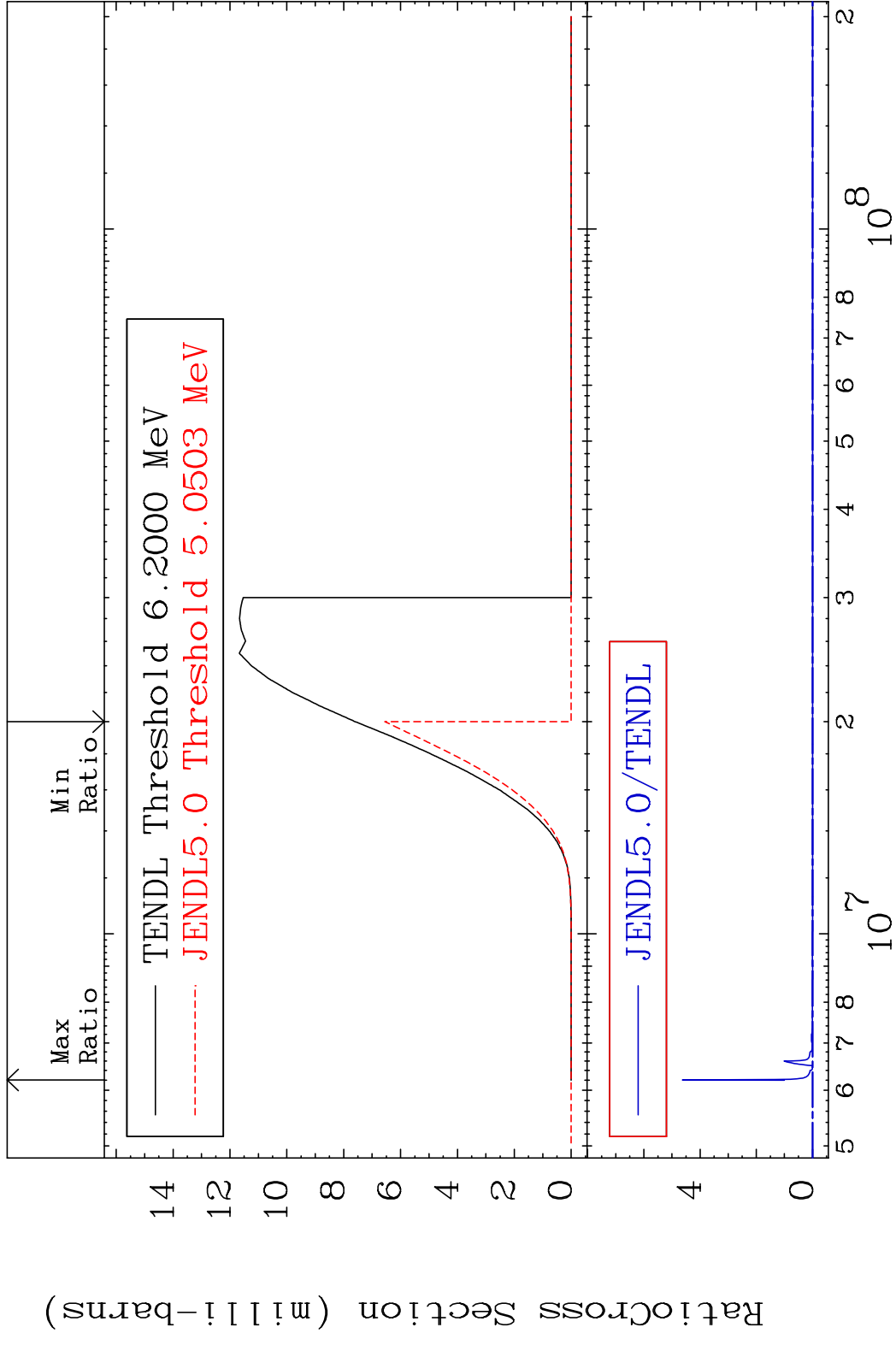
MAT 5628 (n, n') p:55-Cs-130m4 56-Ba-131
 Radionuclide Production Cross Section 130.01 dth 0.000 %

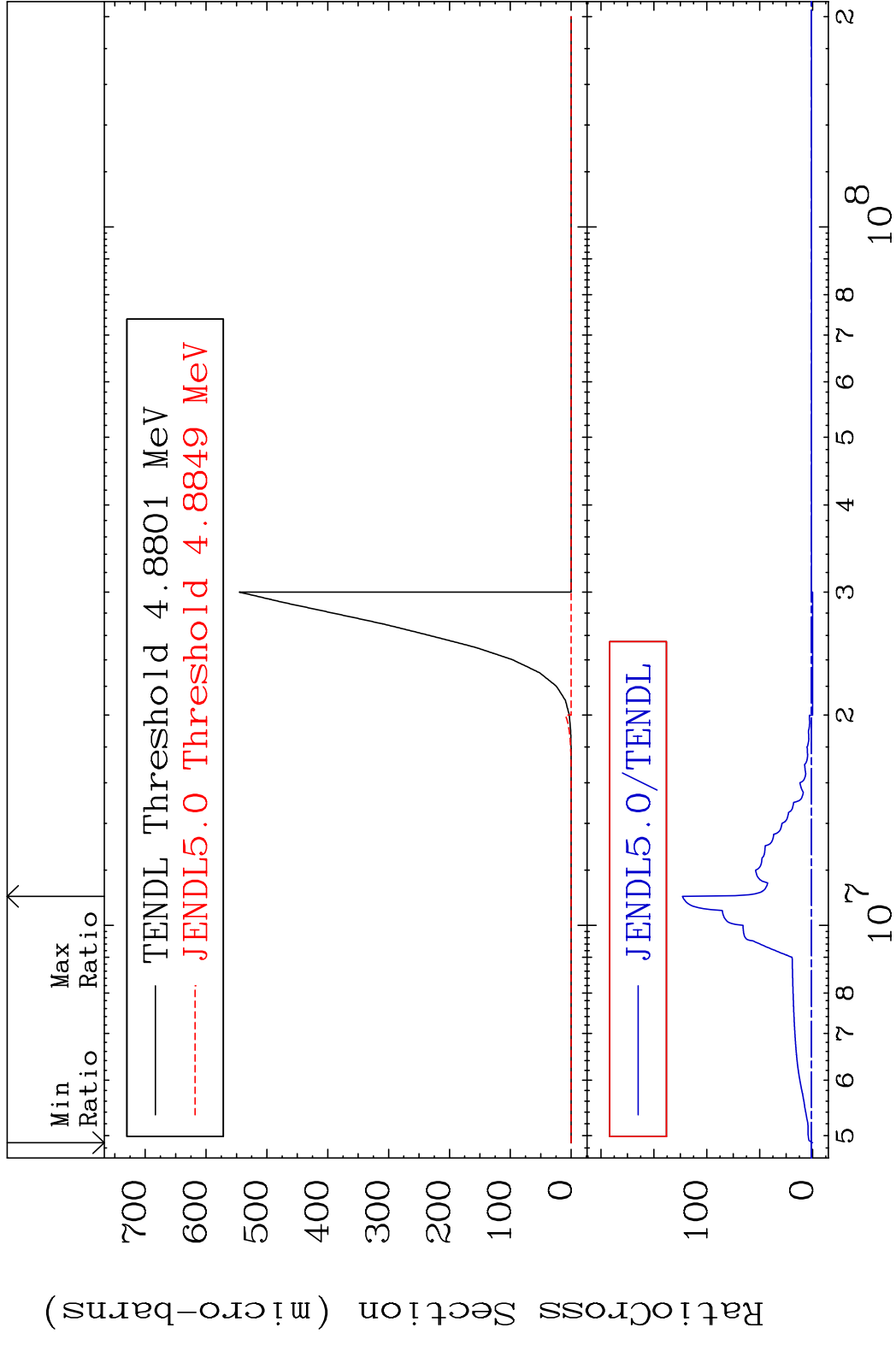


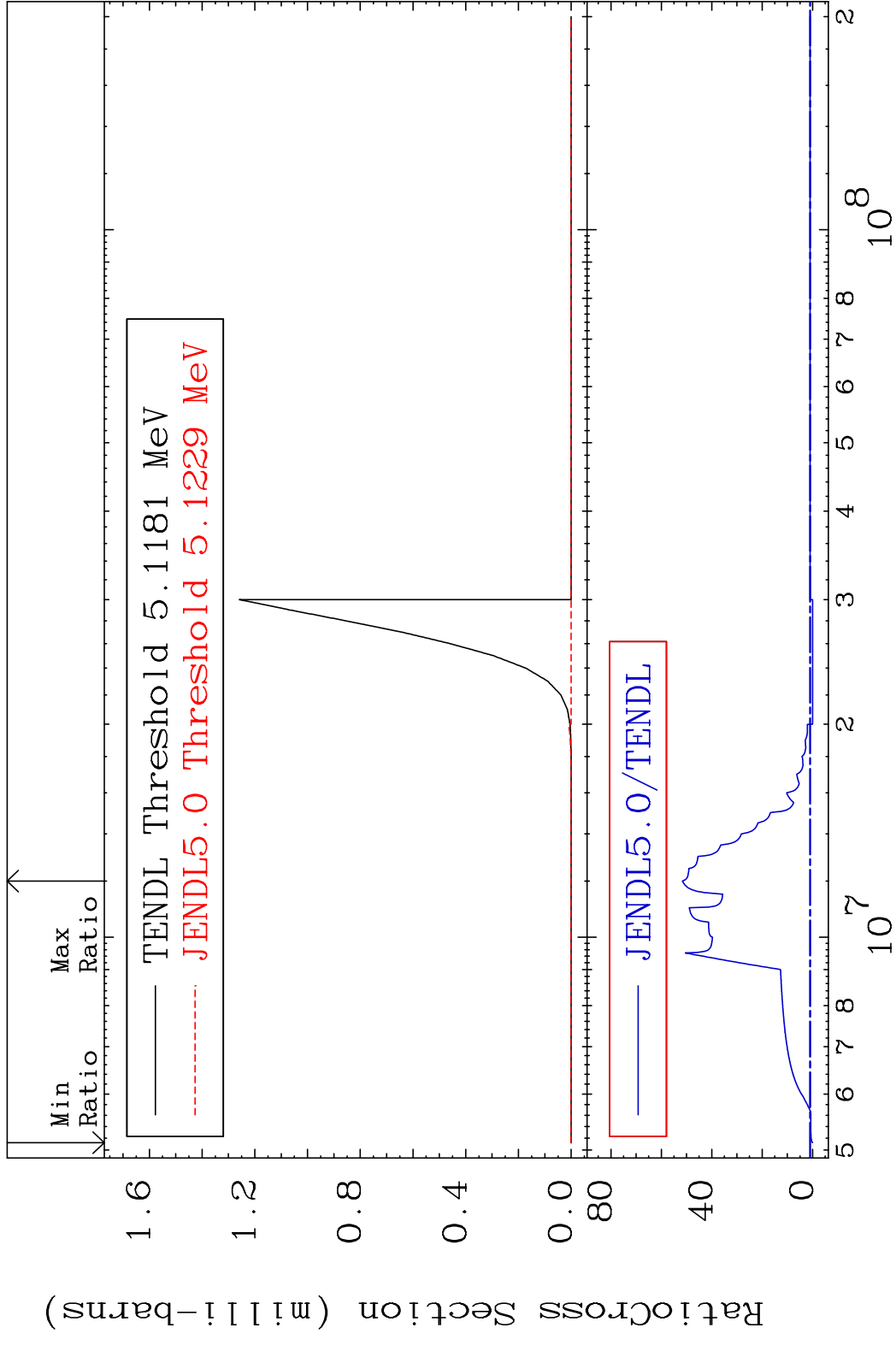
MAT 5628 (n, d):55-Cs-130g 56-Ba-131
 Radionuclide Production Cross Section Ratio



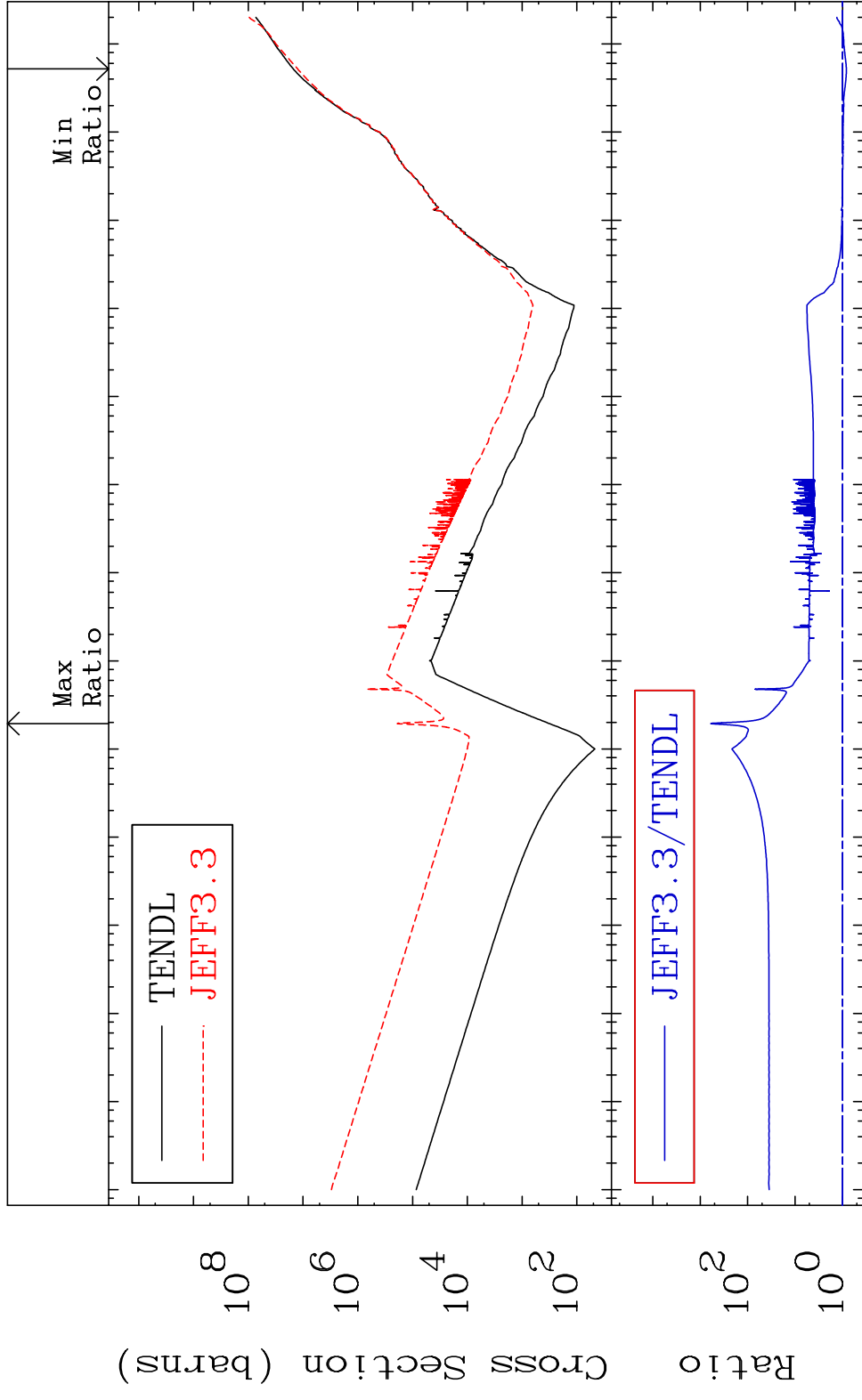
MAT 5628 (n, d):55-Cs-130m4 56-Ba-131
 Radionuclide Production Cross Section 100.00 %





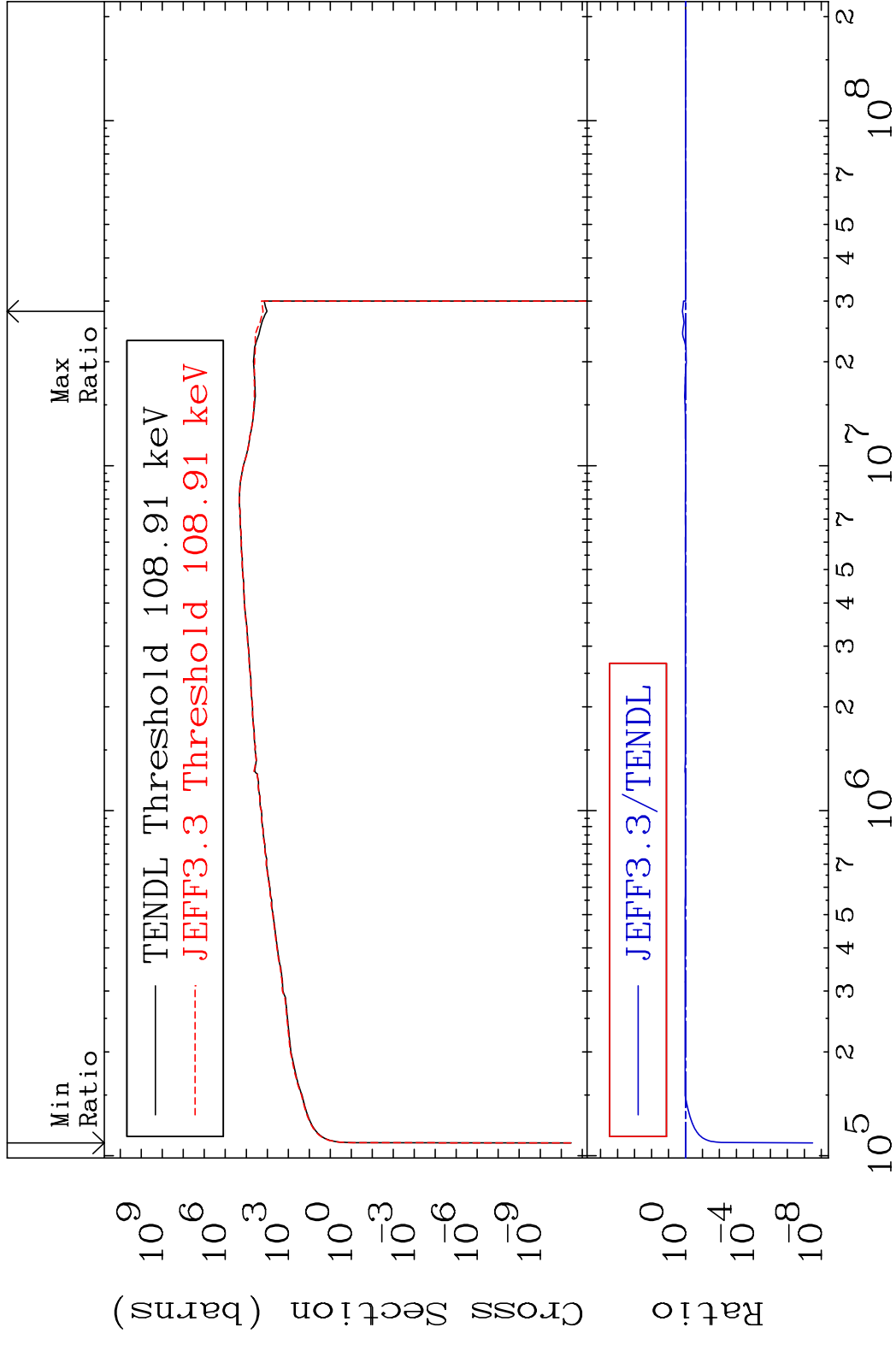


MAT 5628 Kerma non-elastic (all but mt2) 56-Ba-131
 Cross Section -16.75 To 9999. %

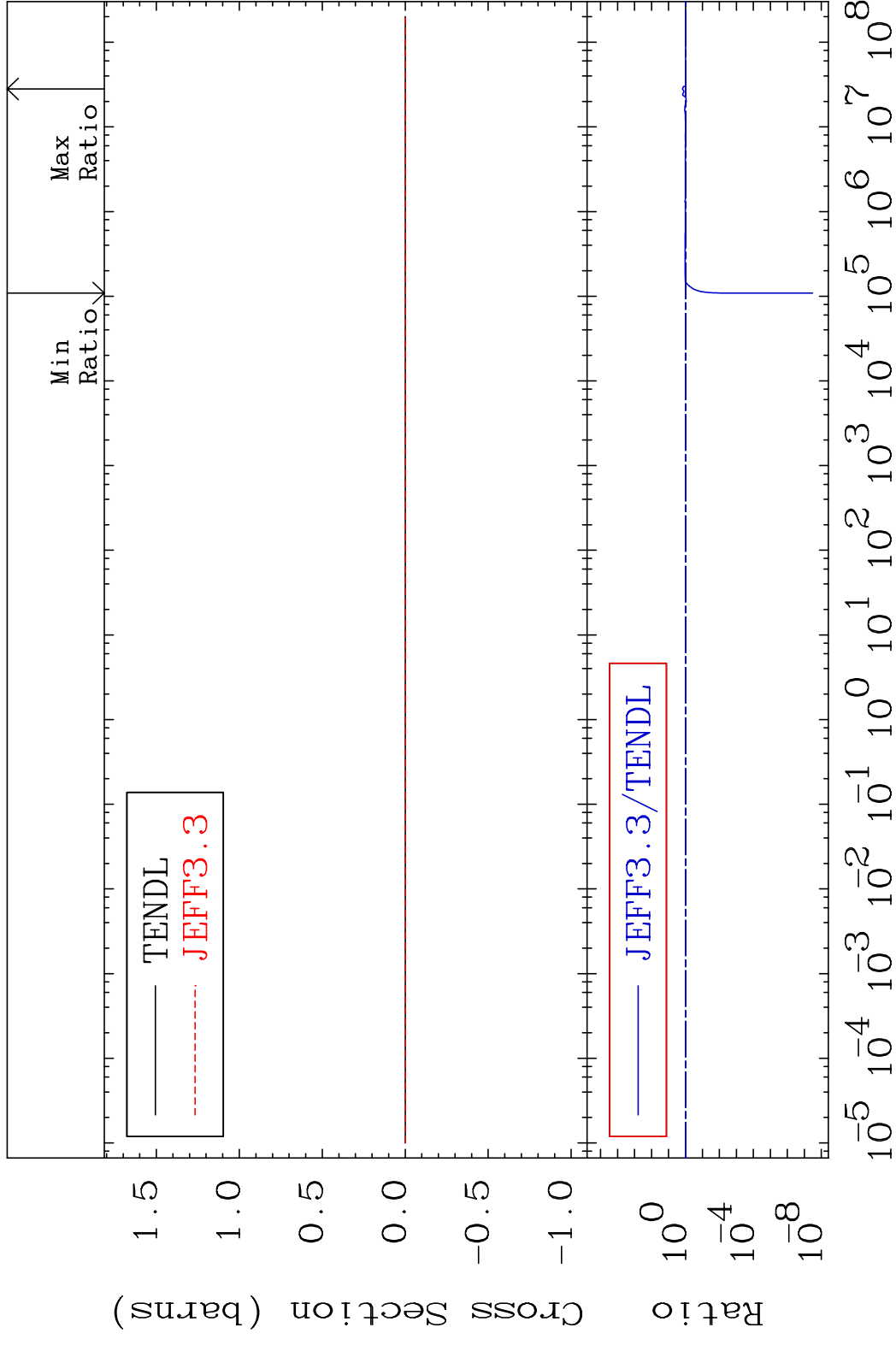


70 Incident Energy (eV) 56-Ba-131

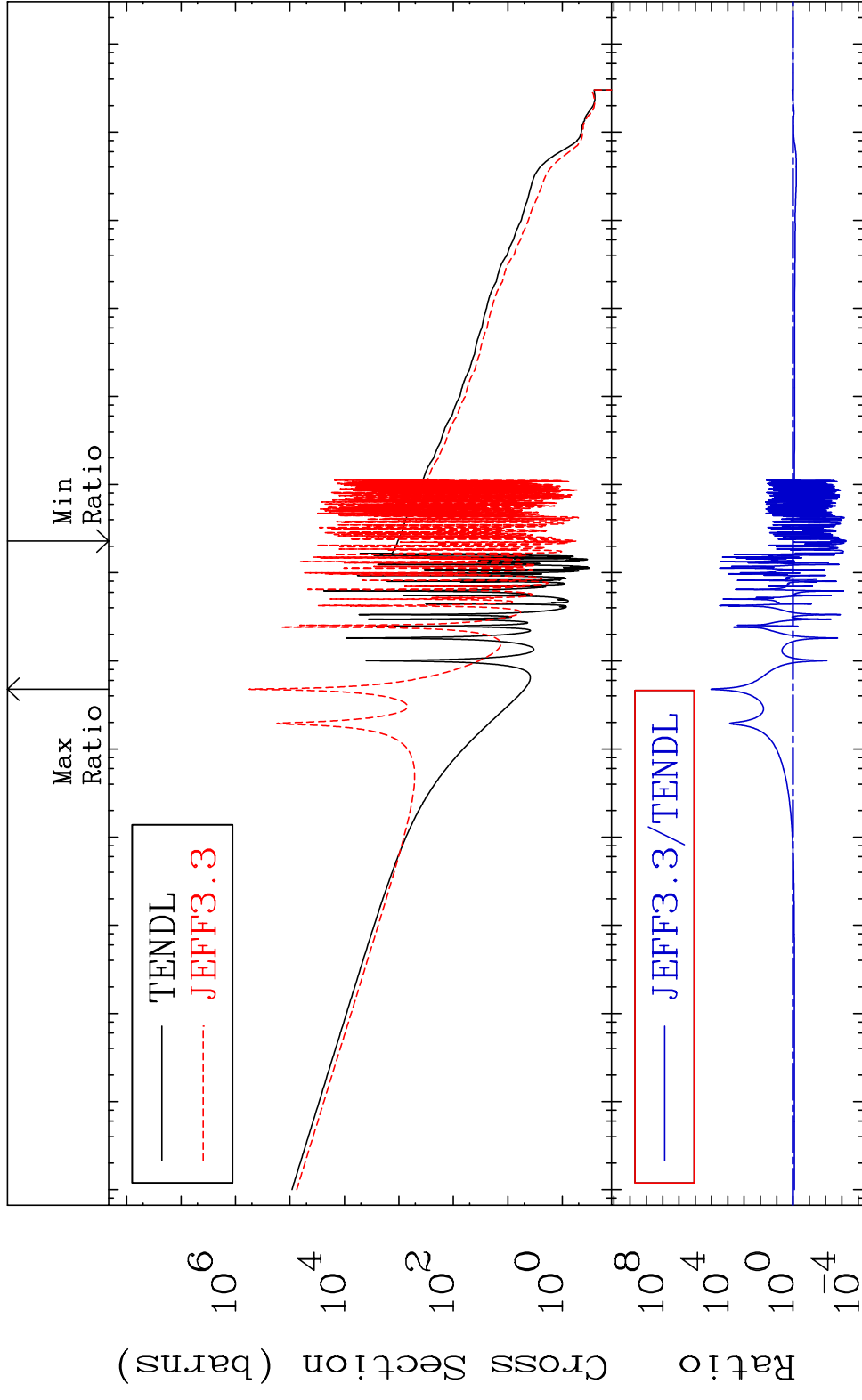
MAT 5628 Kerma inelastic (mt51-91) 56-Ba-131
 Cross Section -100.0 To 52.67 %



MAT 5628 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-131
 Cross Section -100.0 To 52.67 %

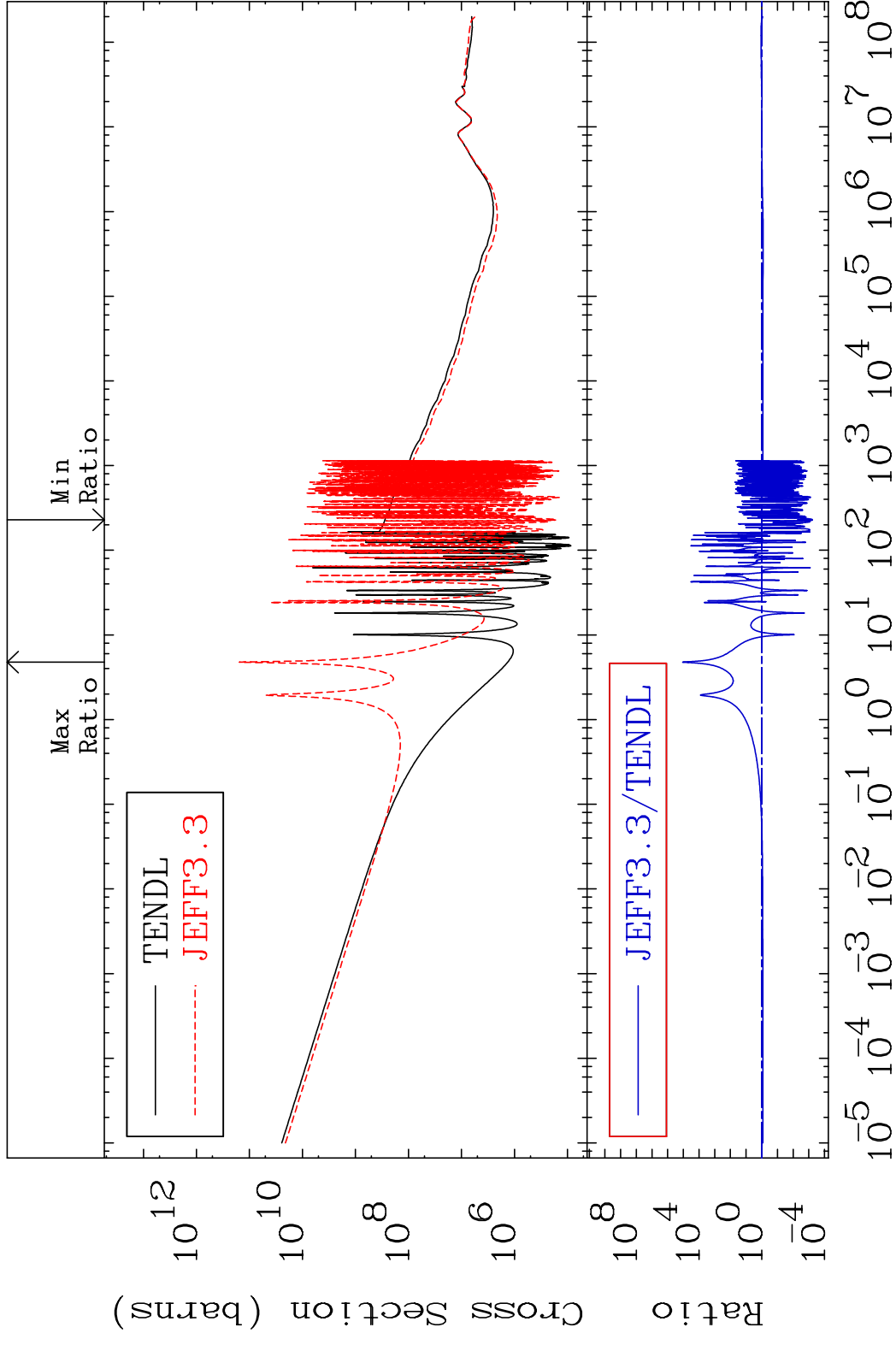


MAT 5628 Kerma capture (mt102) 56-Ba-131
 Cross Section -99.95 To 9999. %

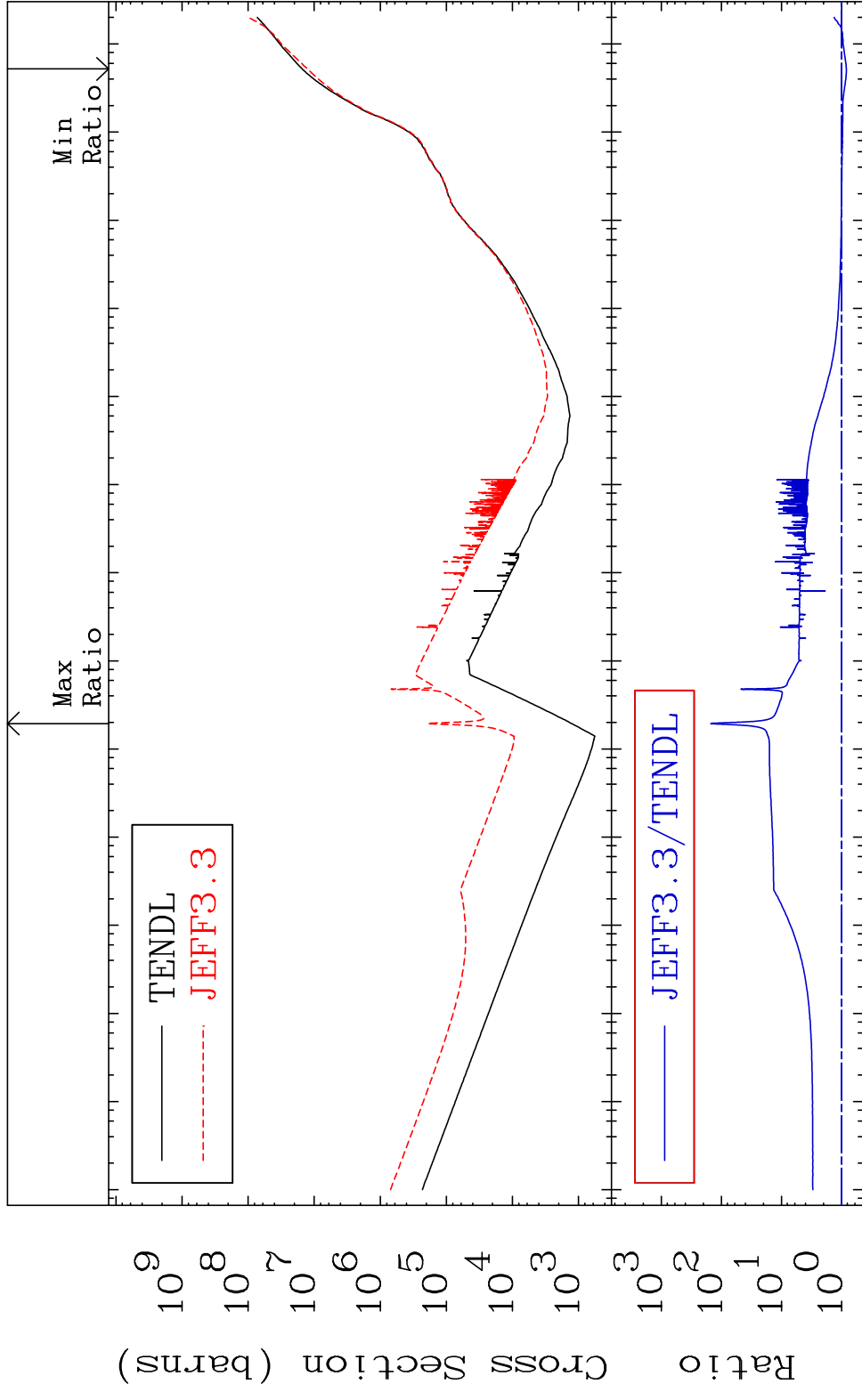


73 Incident Energy (eV) 56-Ba-131

MAT 5628 Total photon (eV-barns) 56-Ba-131
 Cross Section -99.94 To 9999. %



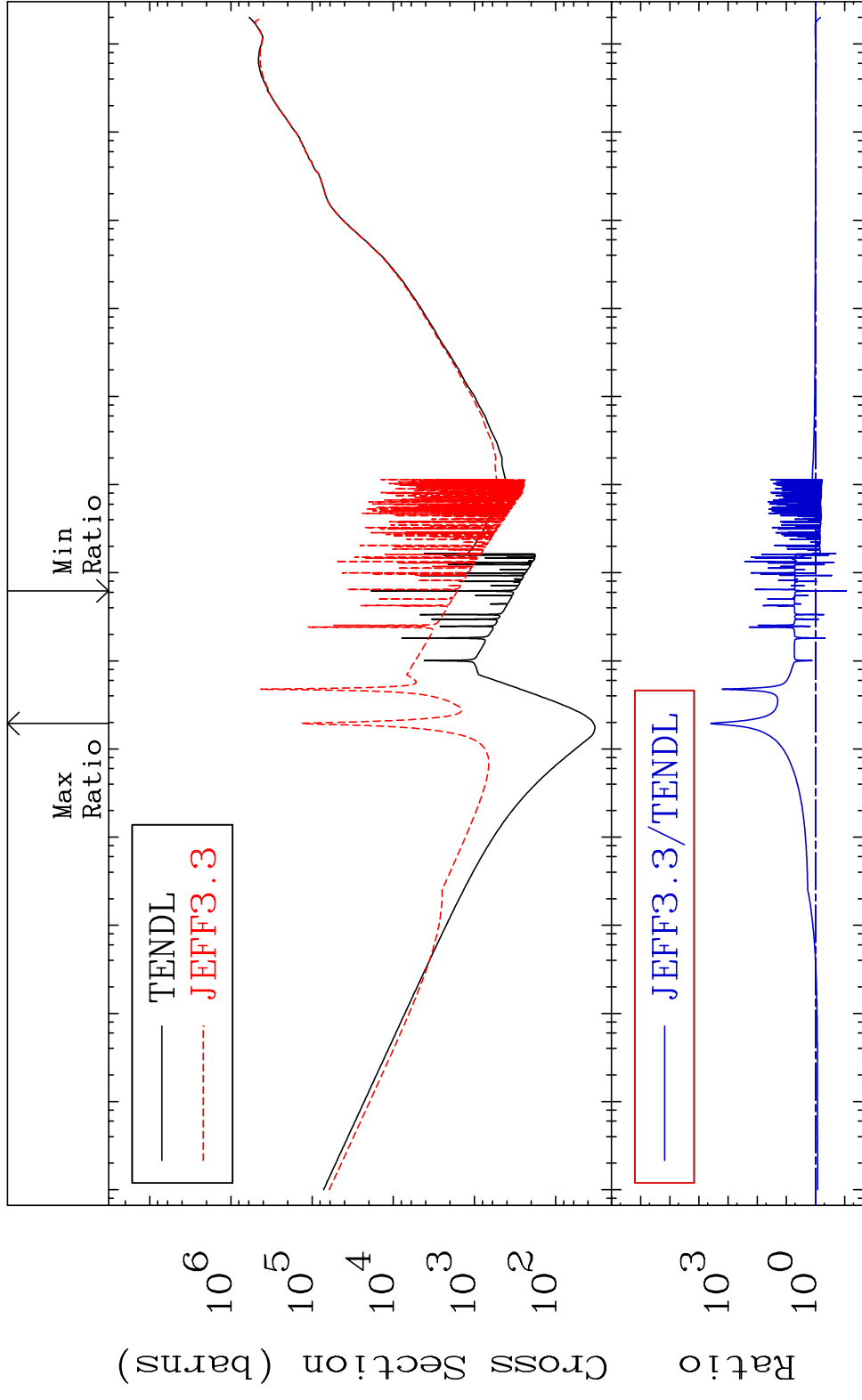
MAT 5628 Total kinematic kerma (high limit) 56-Ba-131
 Cross Section -16.65 To 9999. %



MAT 5628

Dpa total (eV-barns) 56-Ba-131

Cross Section -91.25 To 9999. %

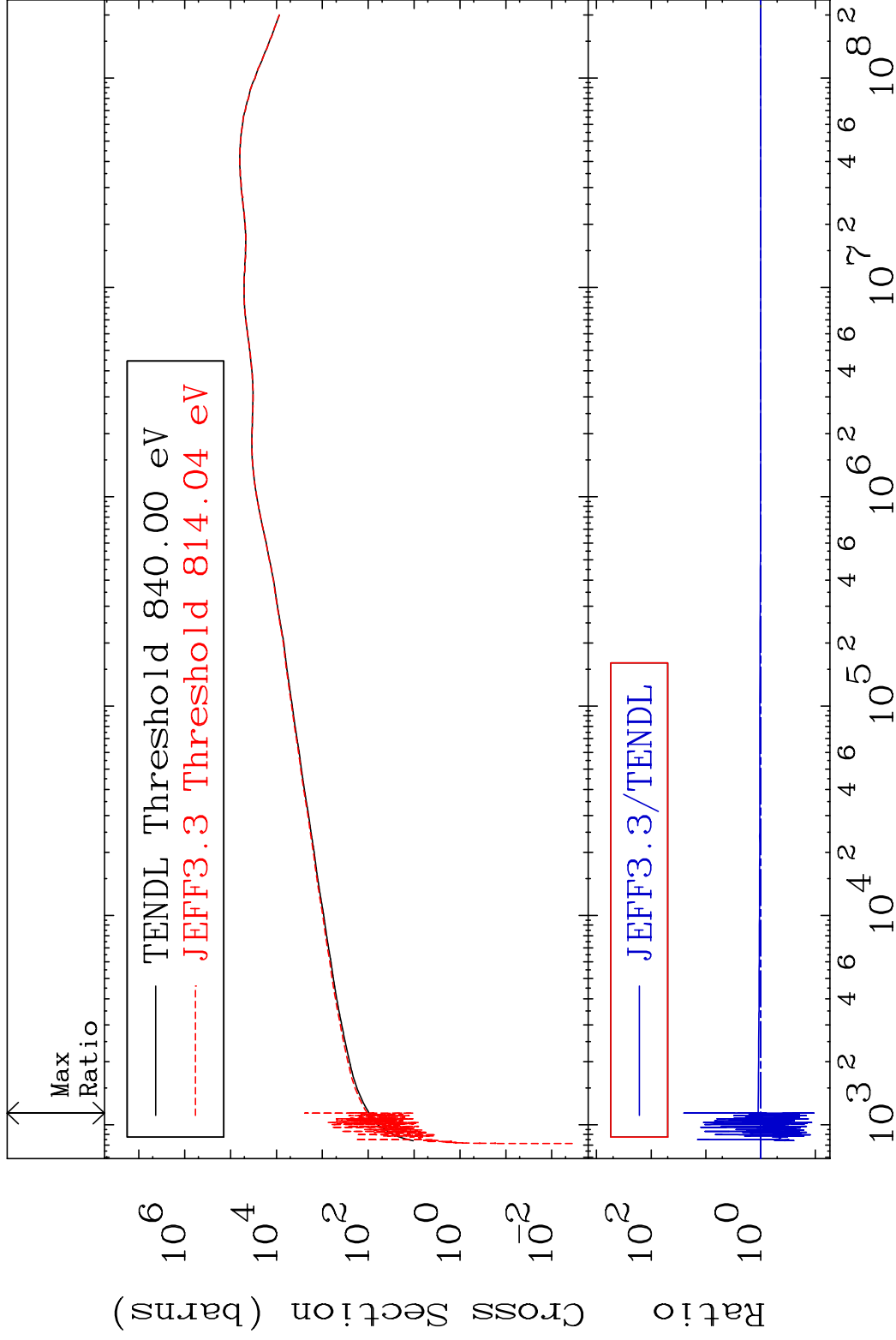


MAT 5628

Dpa elastic (mt2)

56-Ba-131

Cross Section -89.49 To 2451. %

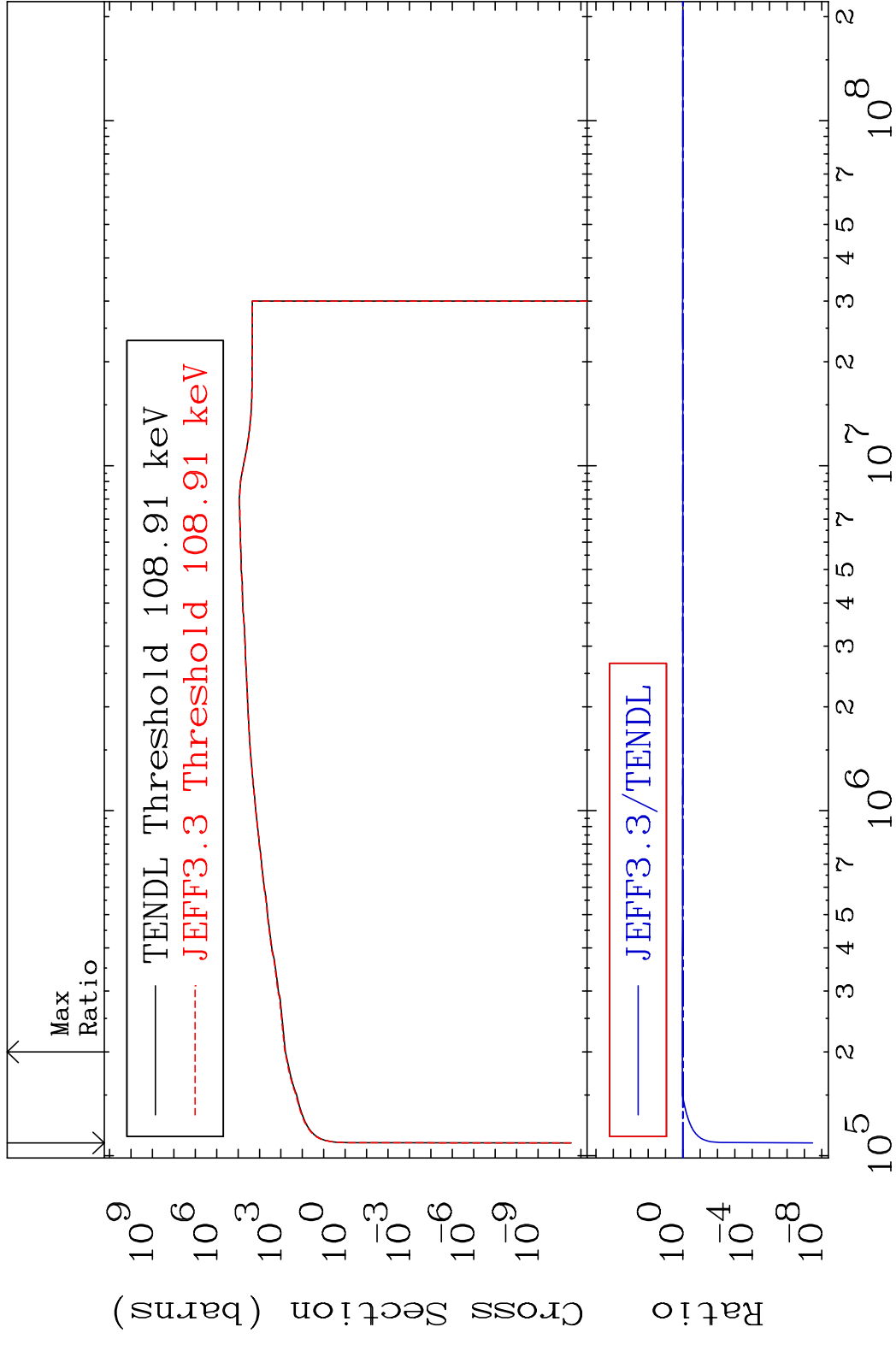


77

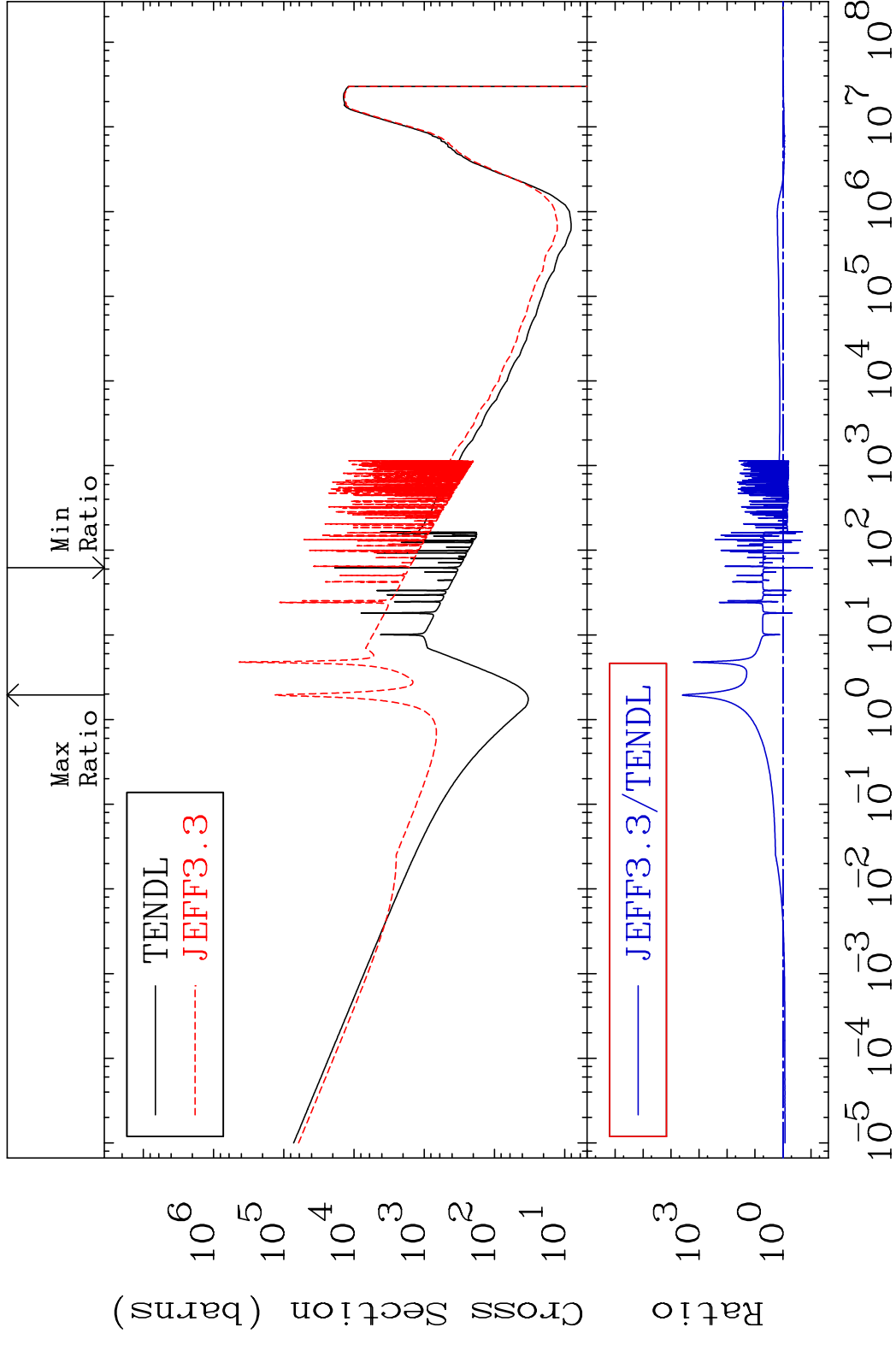
Incident Energy (eV)

56-Ba-131

MAT 5628 Dpa inelastic (mt51-91) 56-Ba-131
 Cross Section -100.0 To 6.157 %

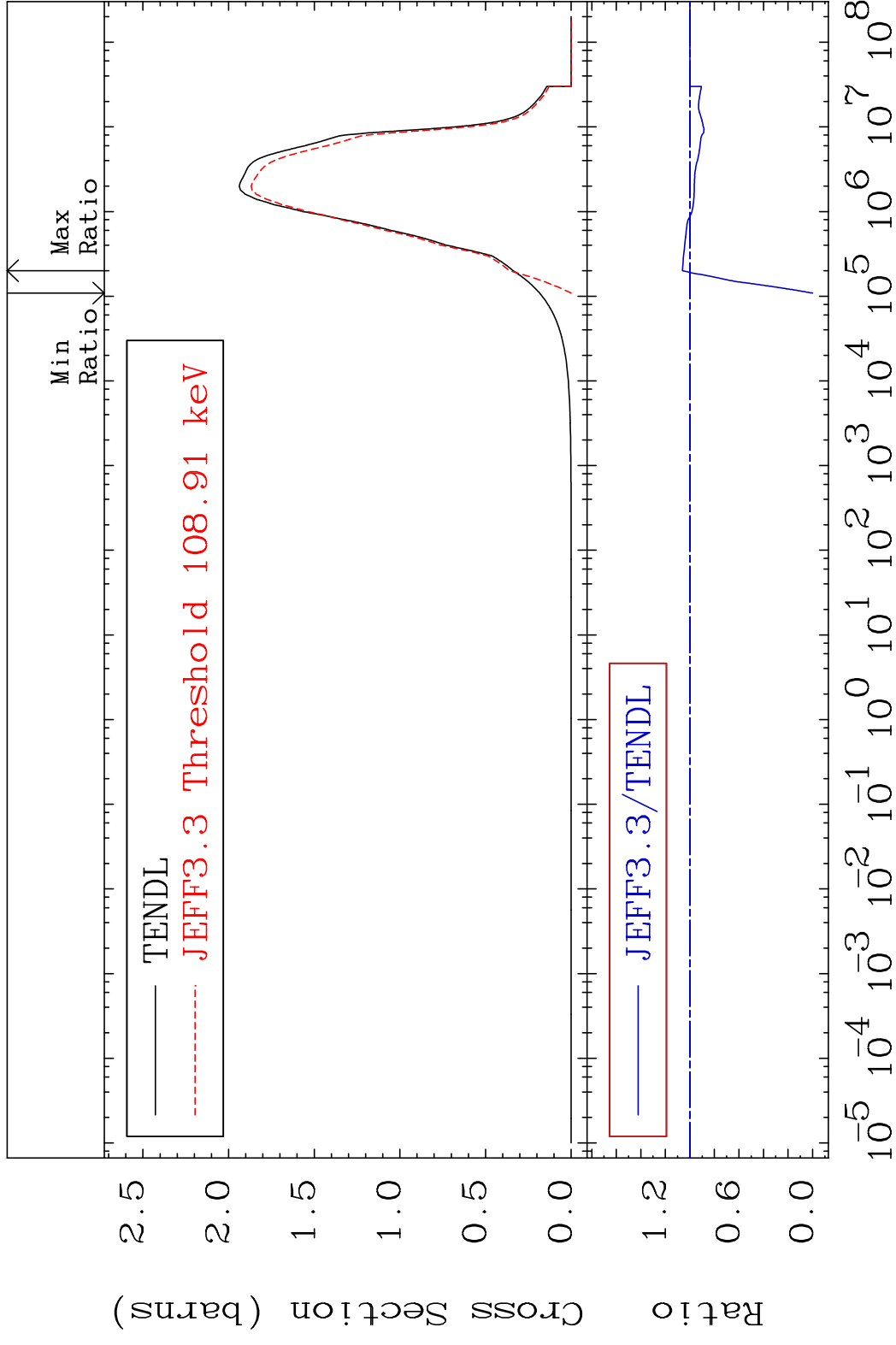


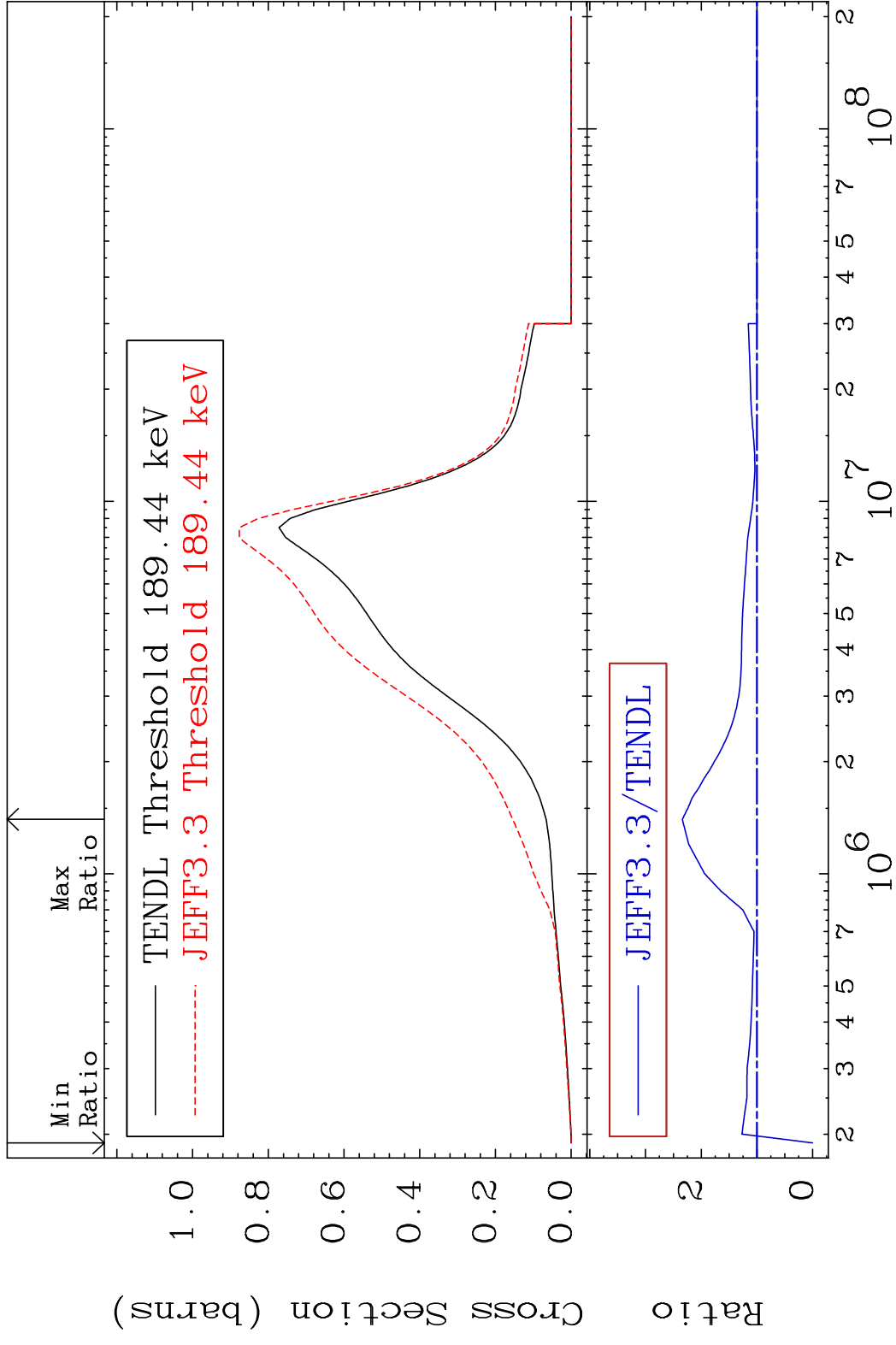
MAT 5628 Dpa disappearance (mt102 -120) 56-Ba-131
 Cross Section -91.25 To 9999. %



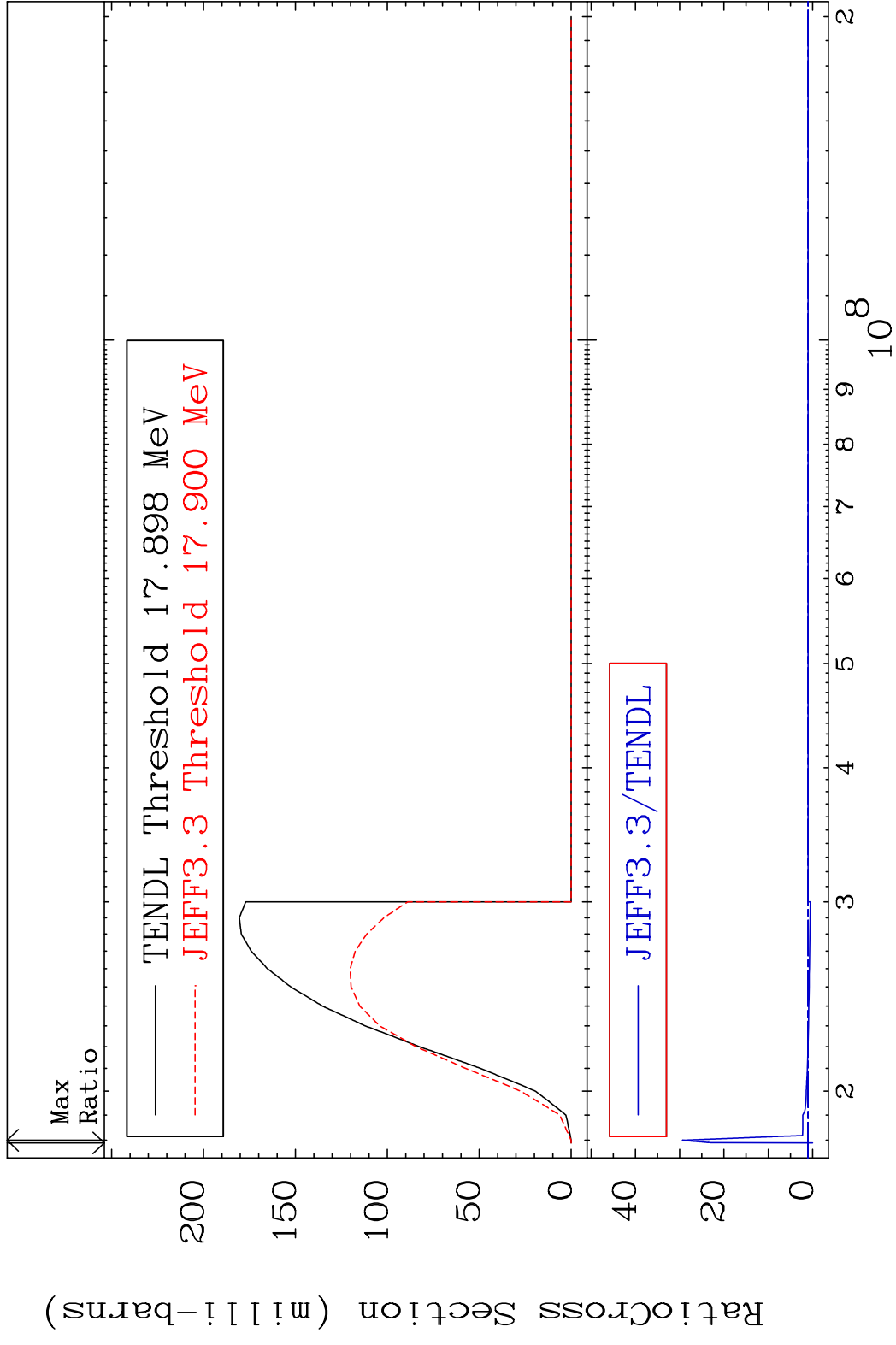
79 Incident Energy (eV) 56-Ba-131

MAT 5628 Inelastic:56-Ba-131g 56-Ba-131
 Radionuclide Production Cross Section 6.138 %

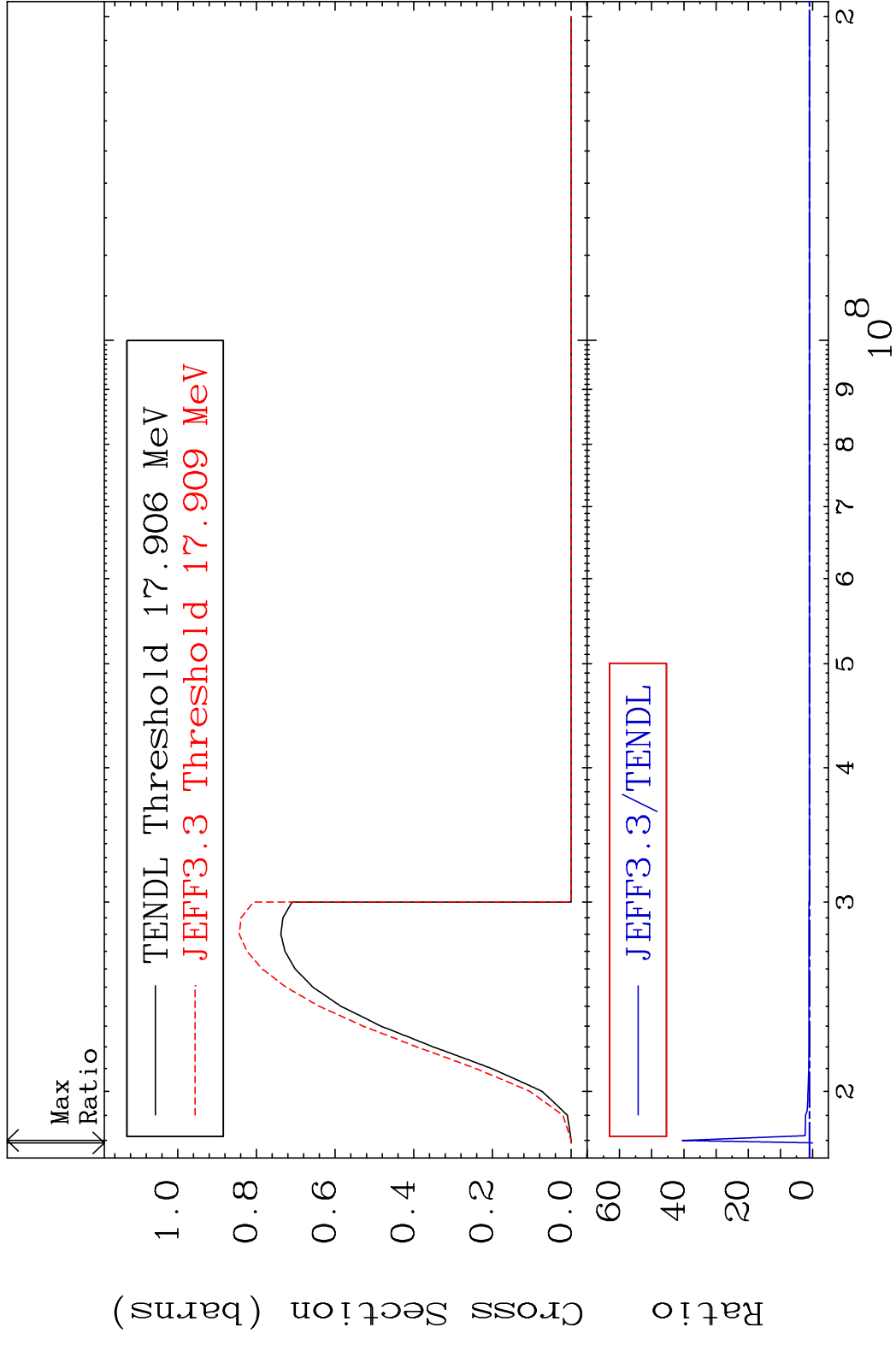




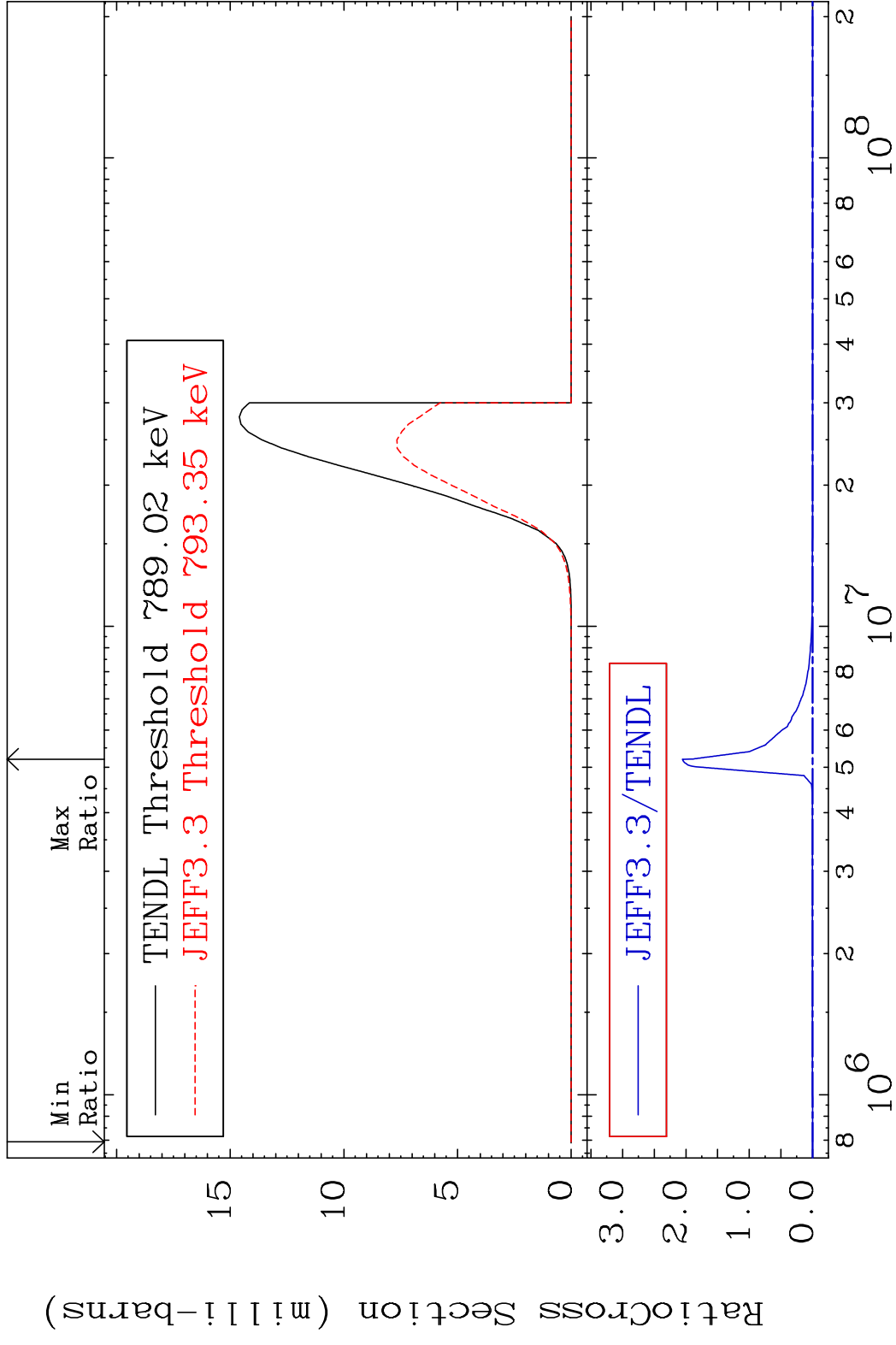
MAT 5628 (n,3n):56-Ba-129g 56-Ba-131
 Radionuclide Production Cross Section 180.01 dth 2840. %



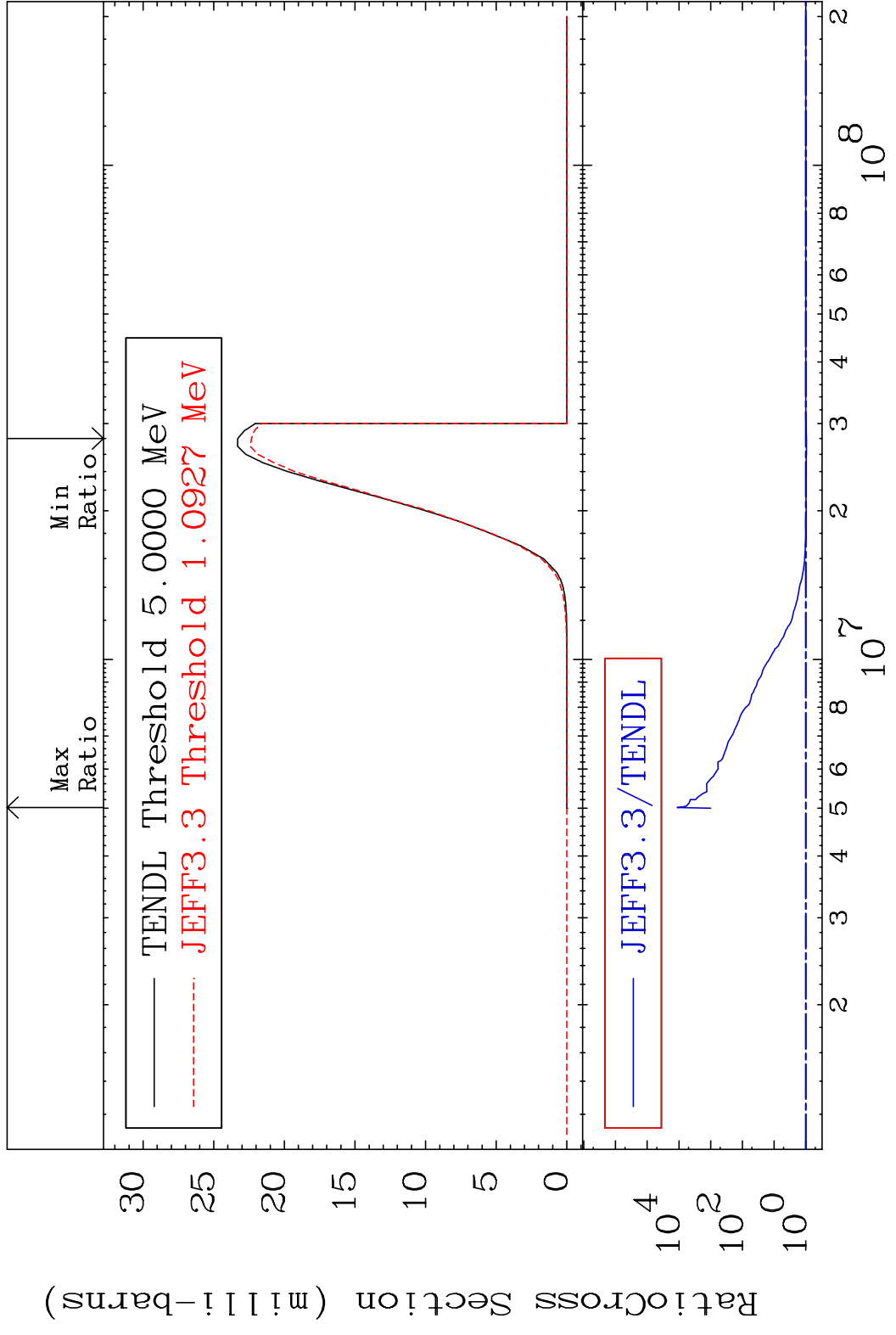
MAT 5628 (n, 3n):56-Ba-129m1 56-Ba-131
 Radionuclide Production Cross Section 180.01 dtd 3947. %



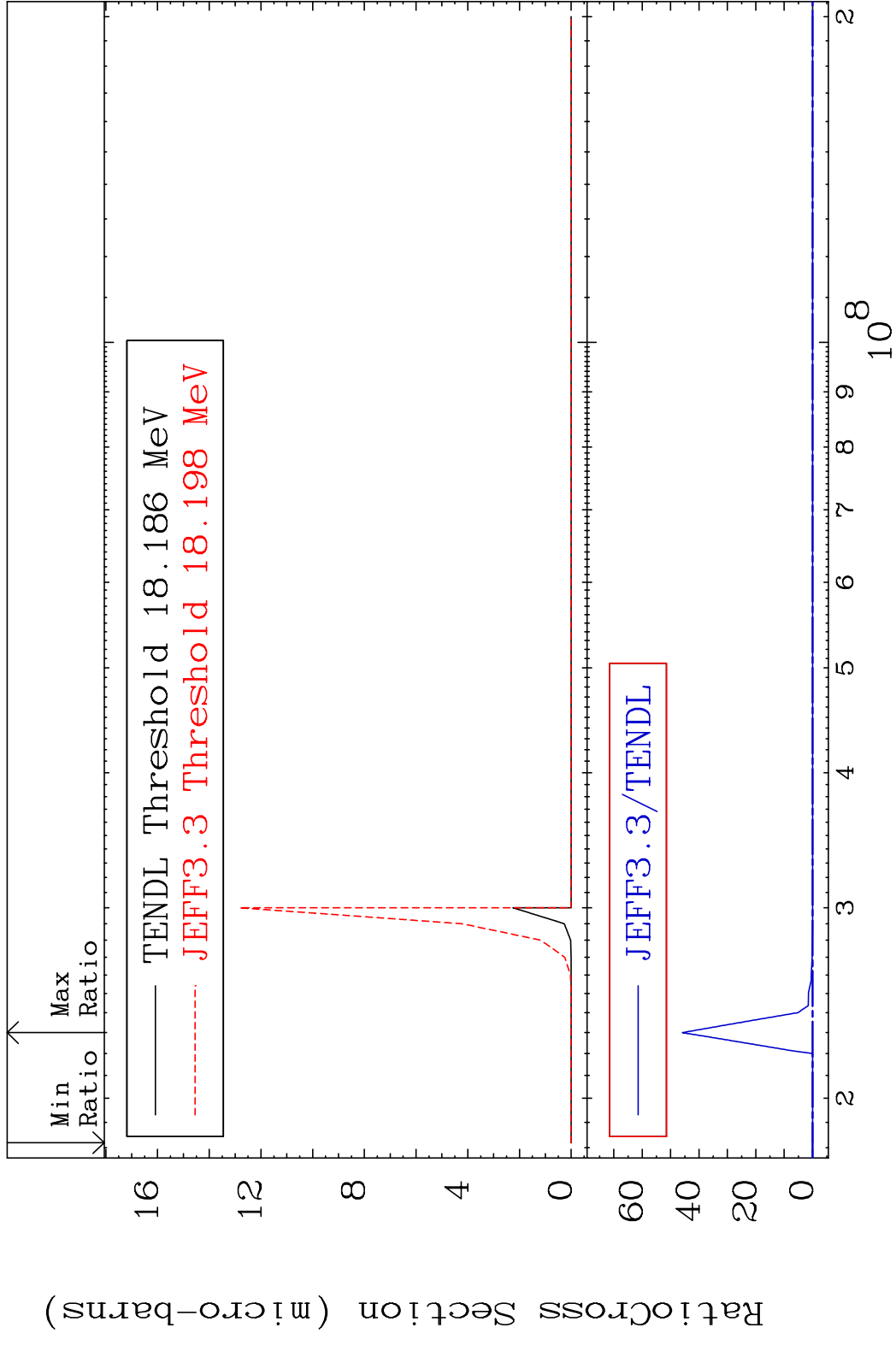
MAT 5628 (n, n') α :54-Xe-127g 56-Ba-131
 Radionuclide Production Cross Section to 9999. %



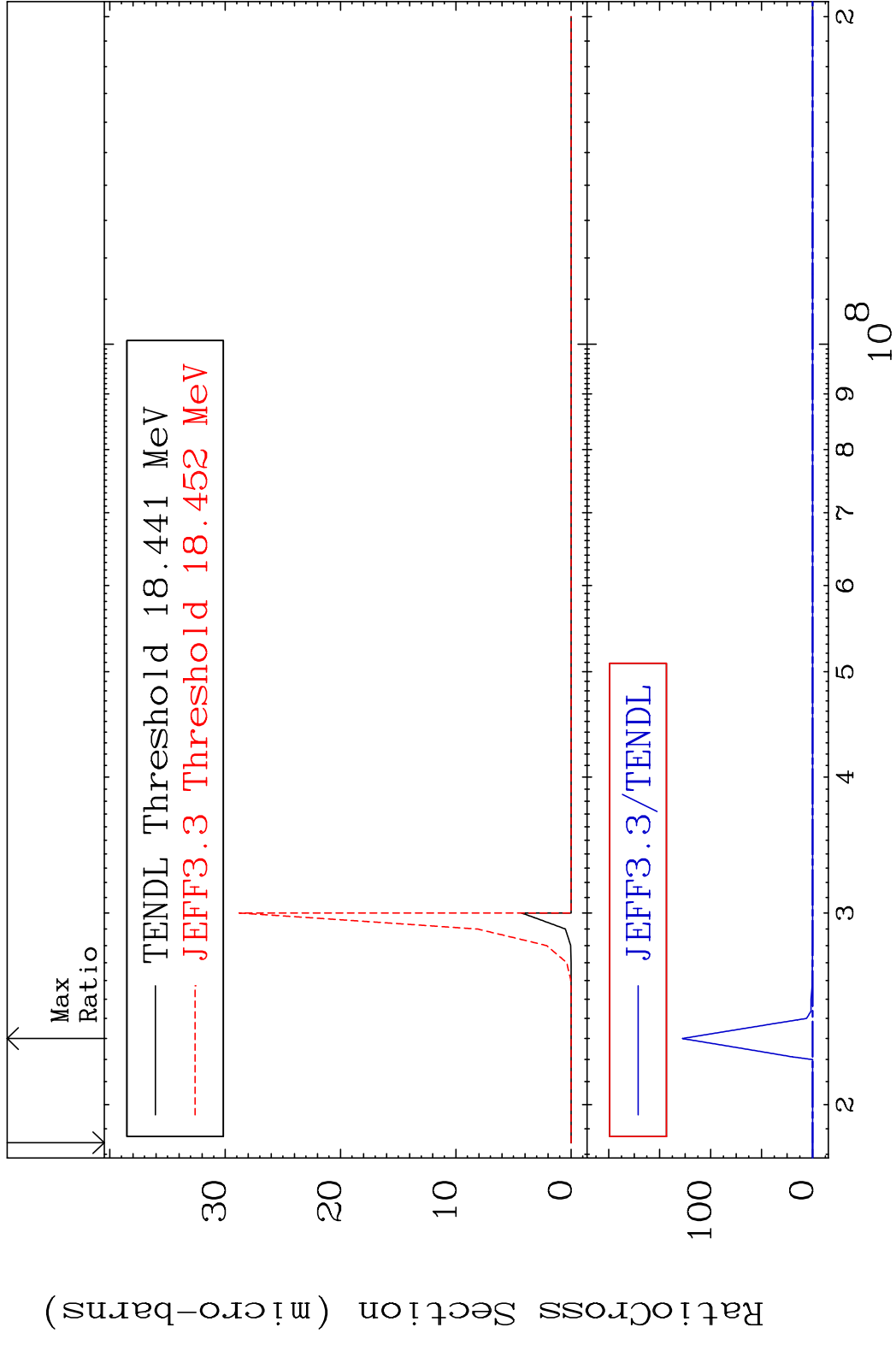
MAT 5628 (n, n') α :54-Xe-127m2 56-Ba-131
 Radionuclide Production Cross Section Ratio 9999. %



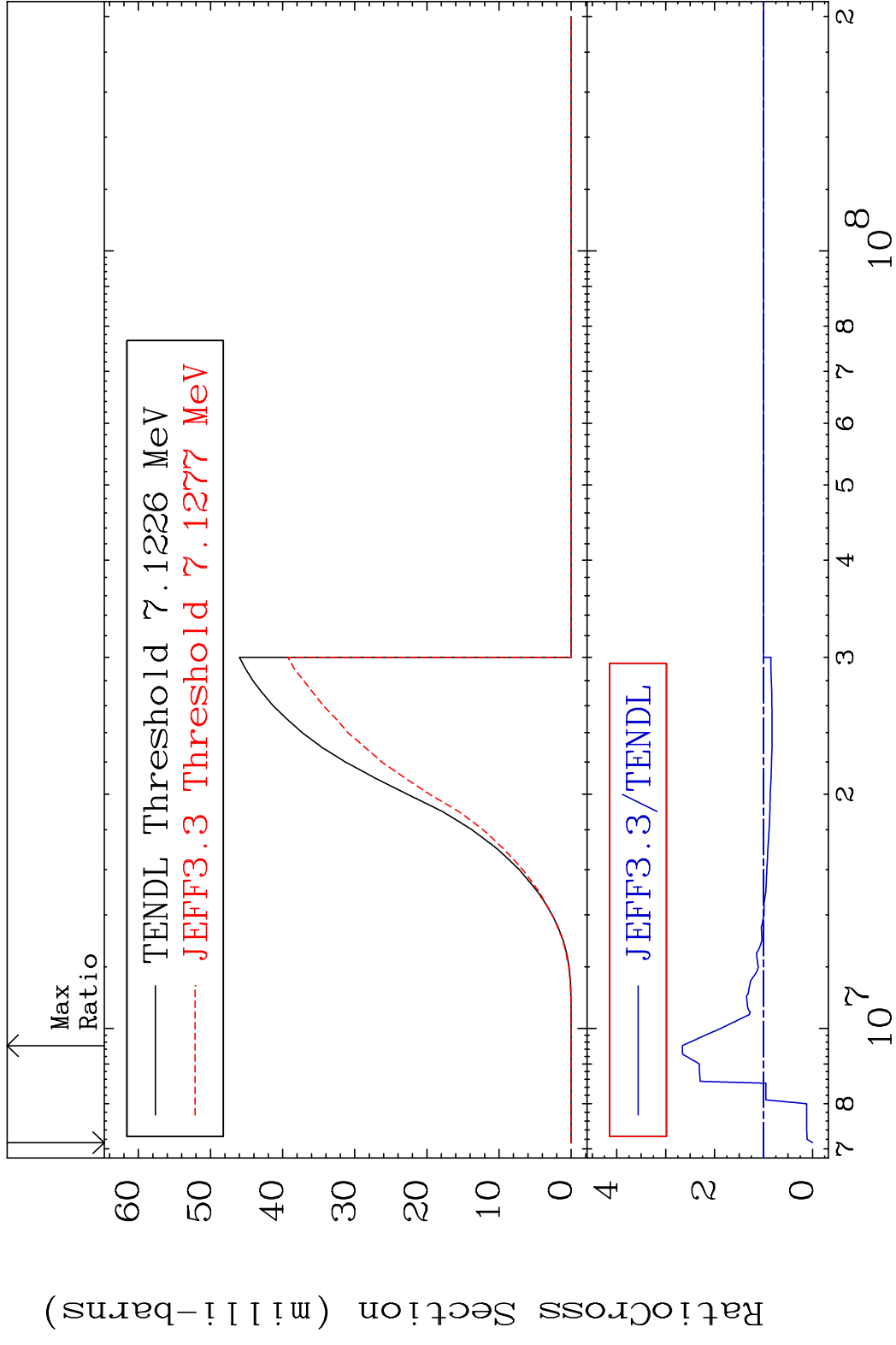
MAT 5628 (n,3n) α :54-Xe-125g 56-Ba-131
 Radionuclide Production Cross Section to 9999. %

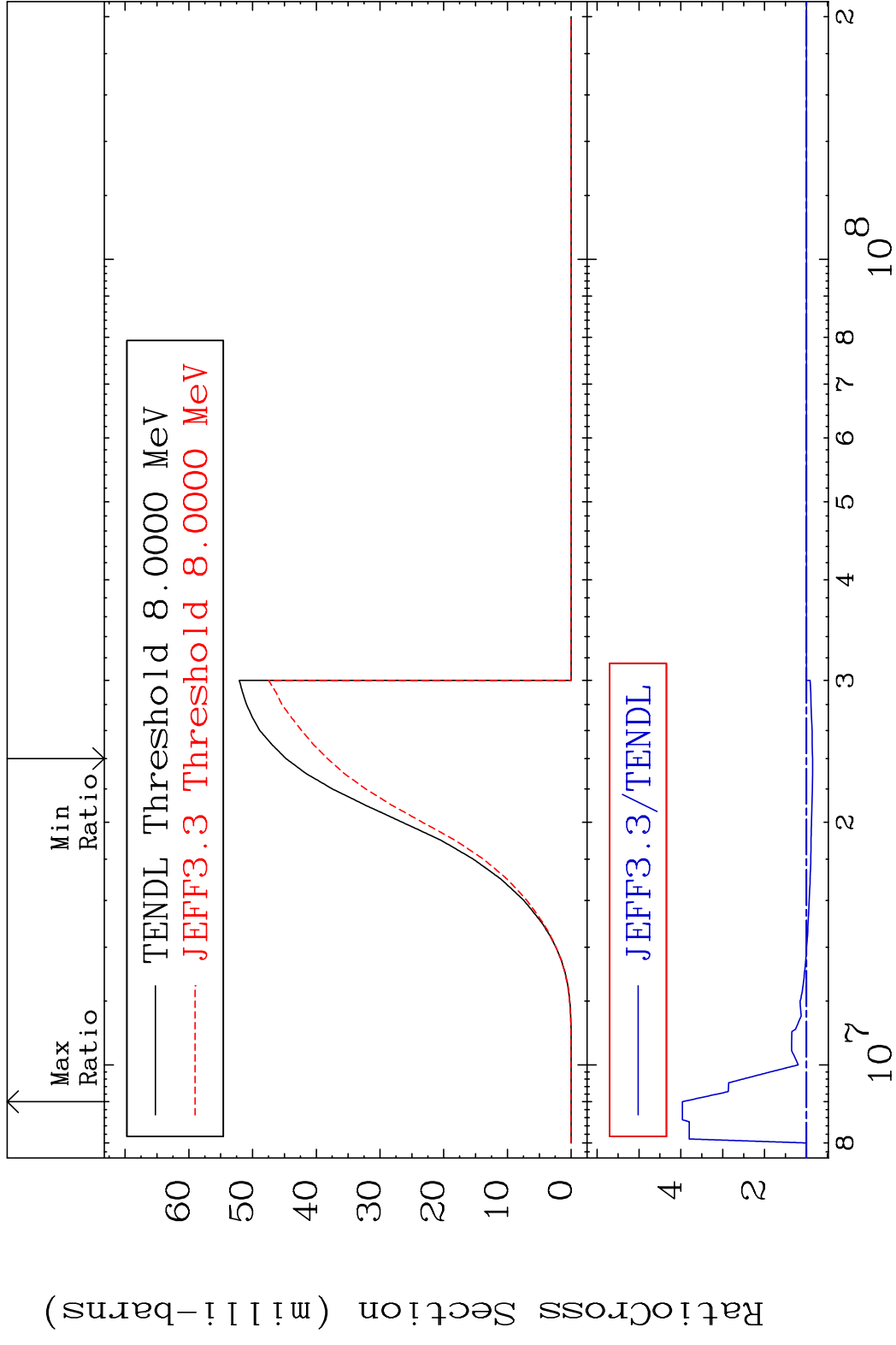


MAT 5628 (n,3n) α :54-Xe-125m2 56-Ba-131
 Radionuclide Production Cross Section 18000 dth 9999. %

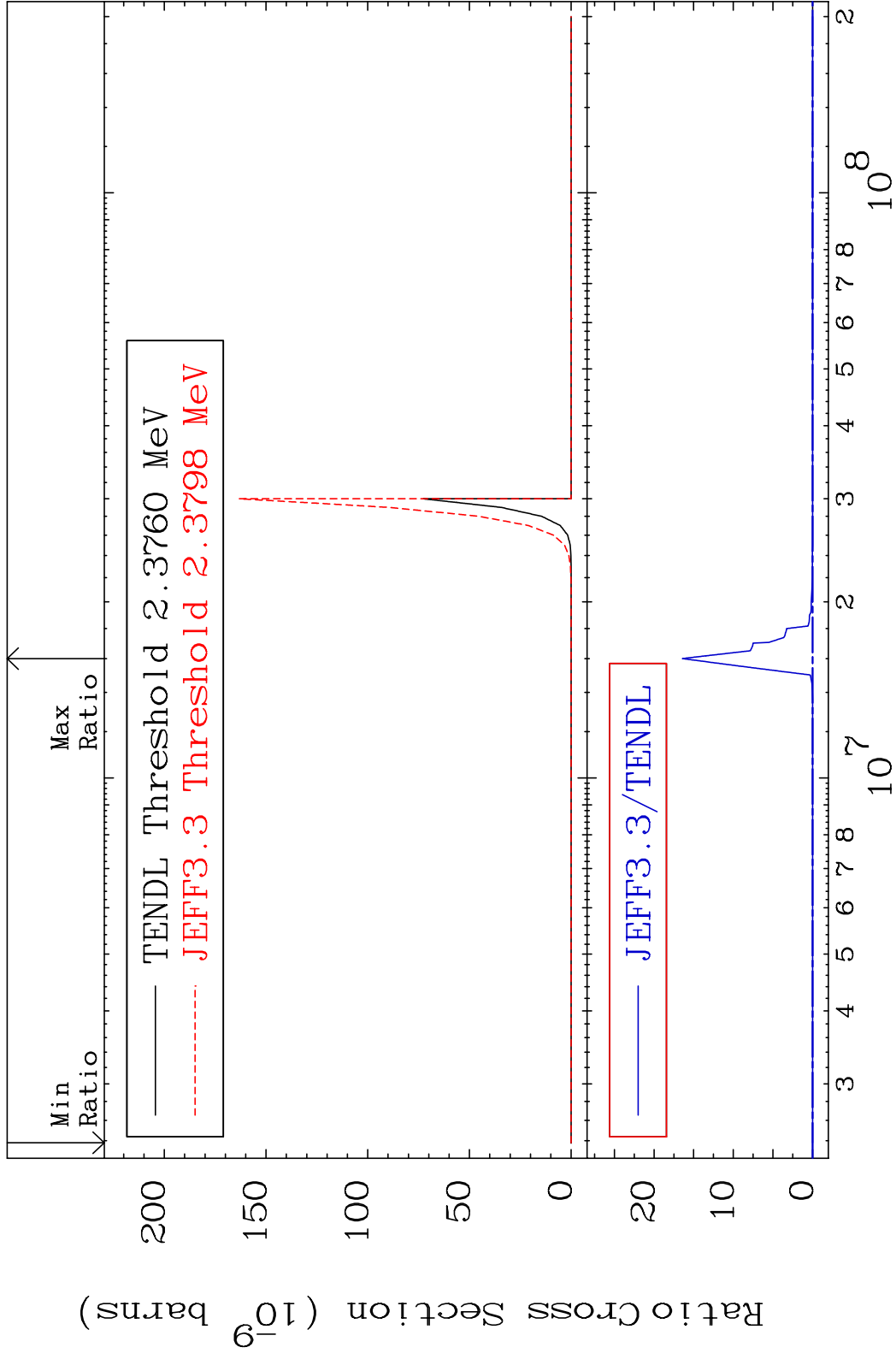


MAT 5628 (n, n') p:55-Cs-130g 56-Ba-131
 Radionuclide Production Cross Section 180.0 d to 165.9 %

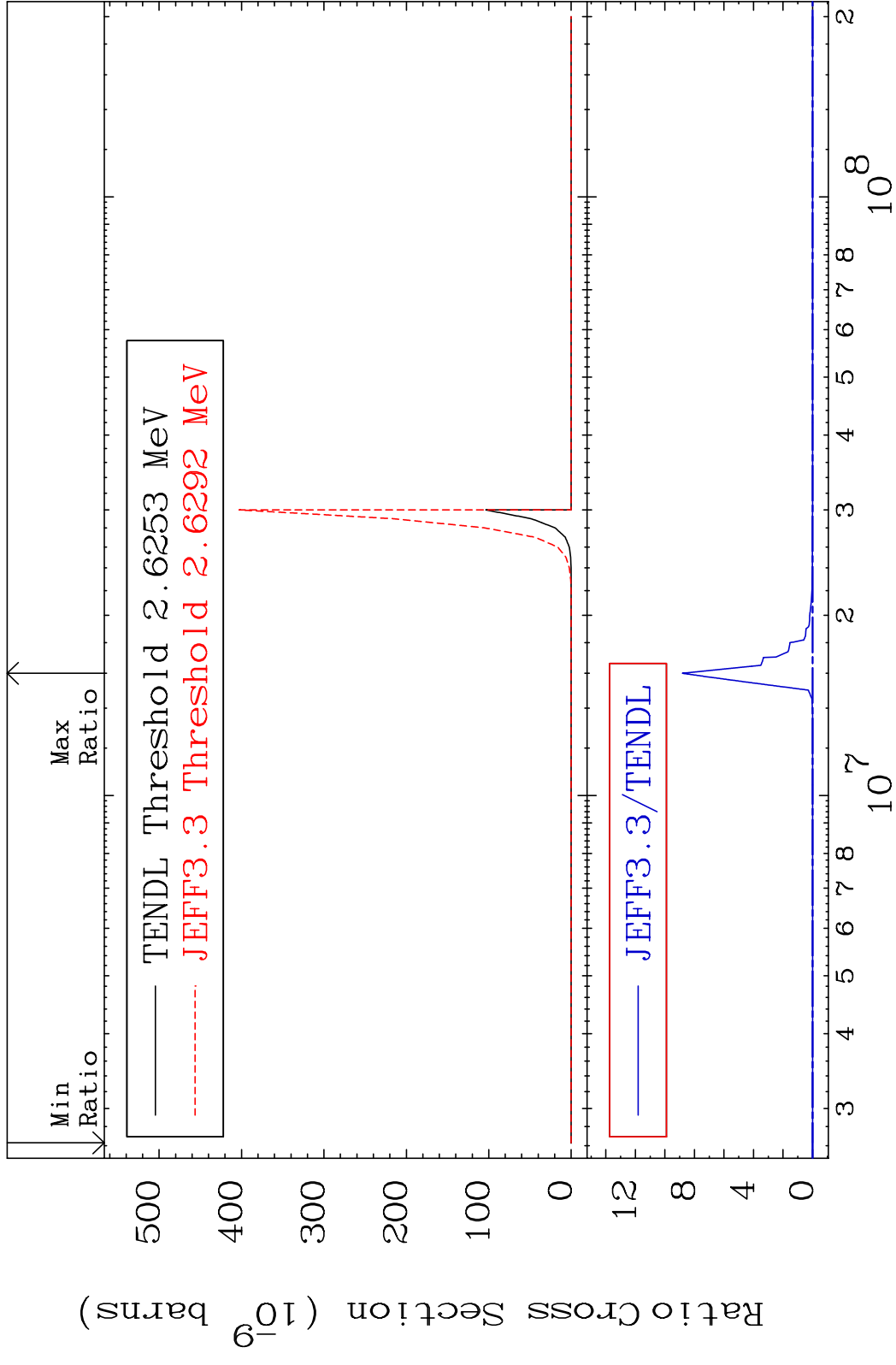


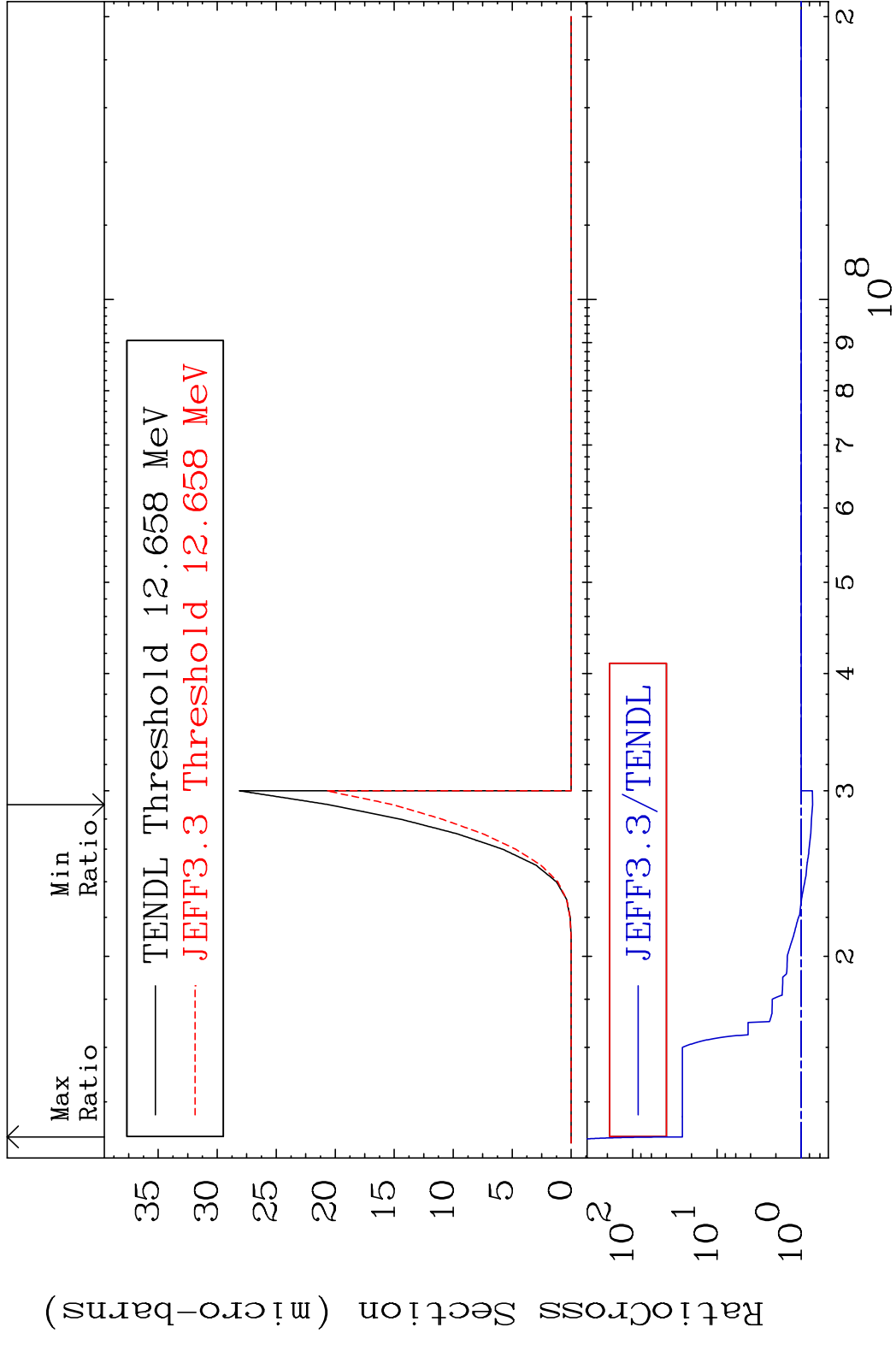


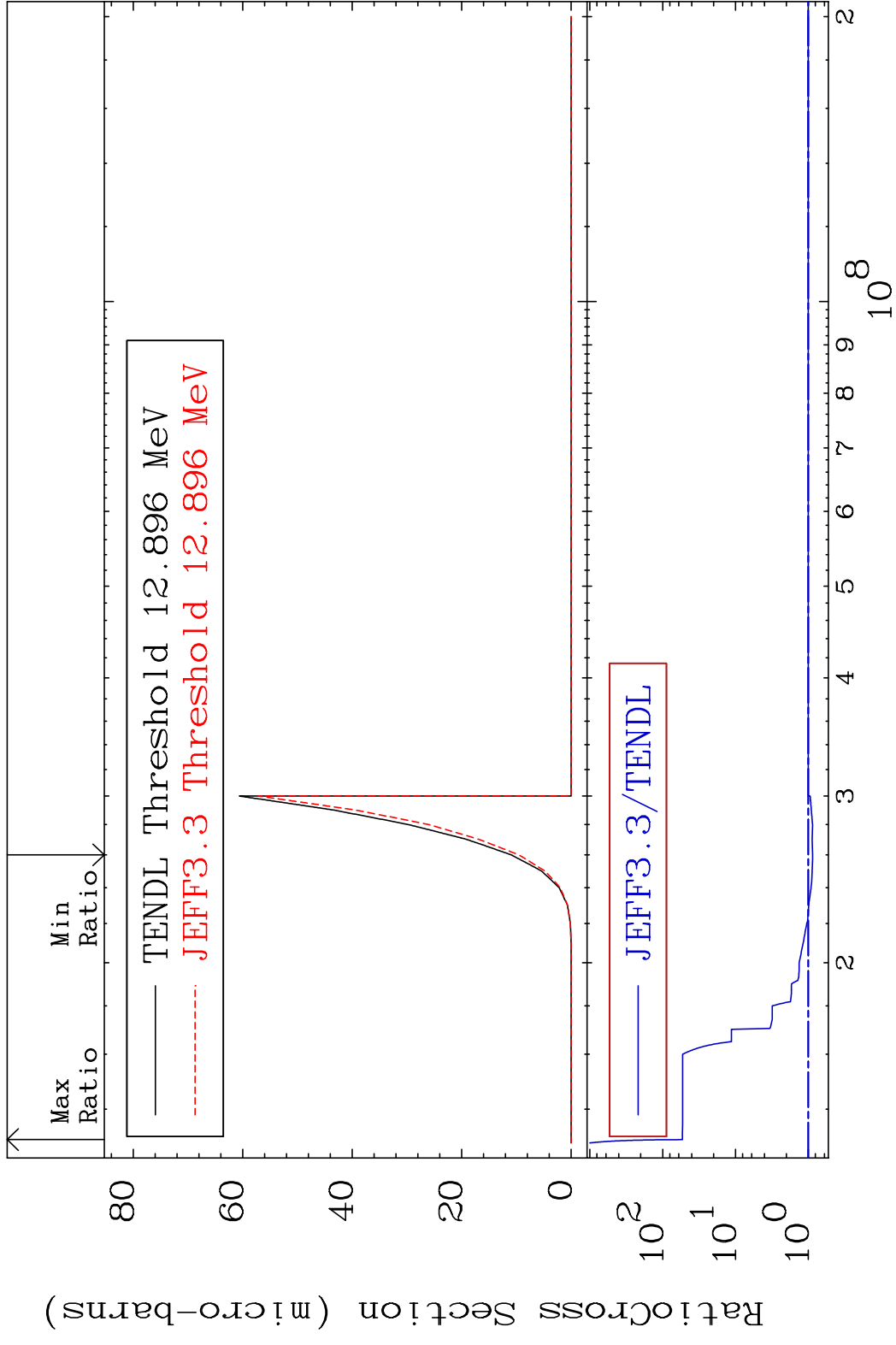
MAT 5628 (n, n') 2α:52-Te-123g 56-Ba-131
 Radionuclide Production Cross Section to 9999. %



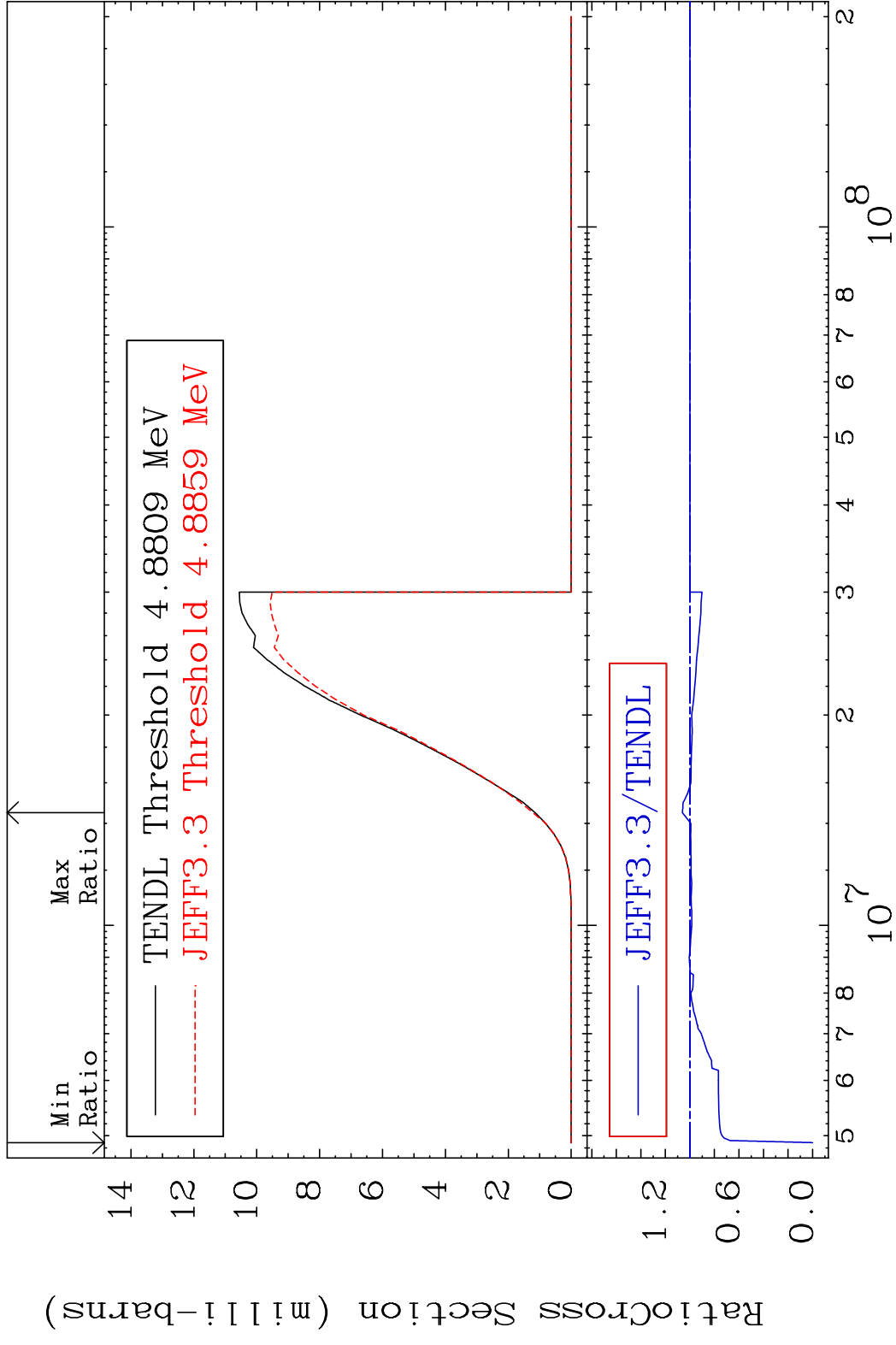
MAT 5628 (n, n') 2α:52-Te-123m2 56-Ba-131
 Radionuclide Production Cross Section to 9999. %



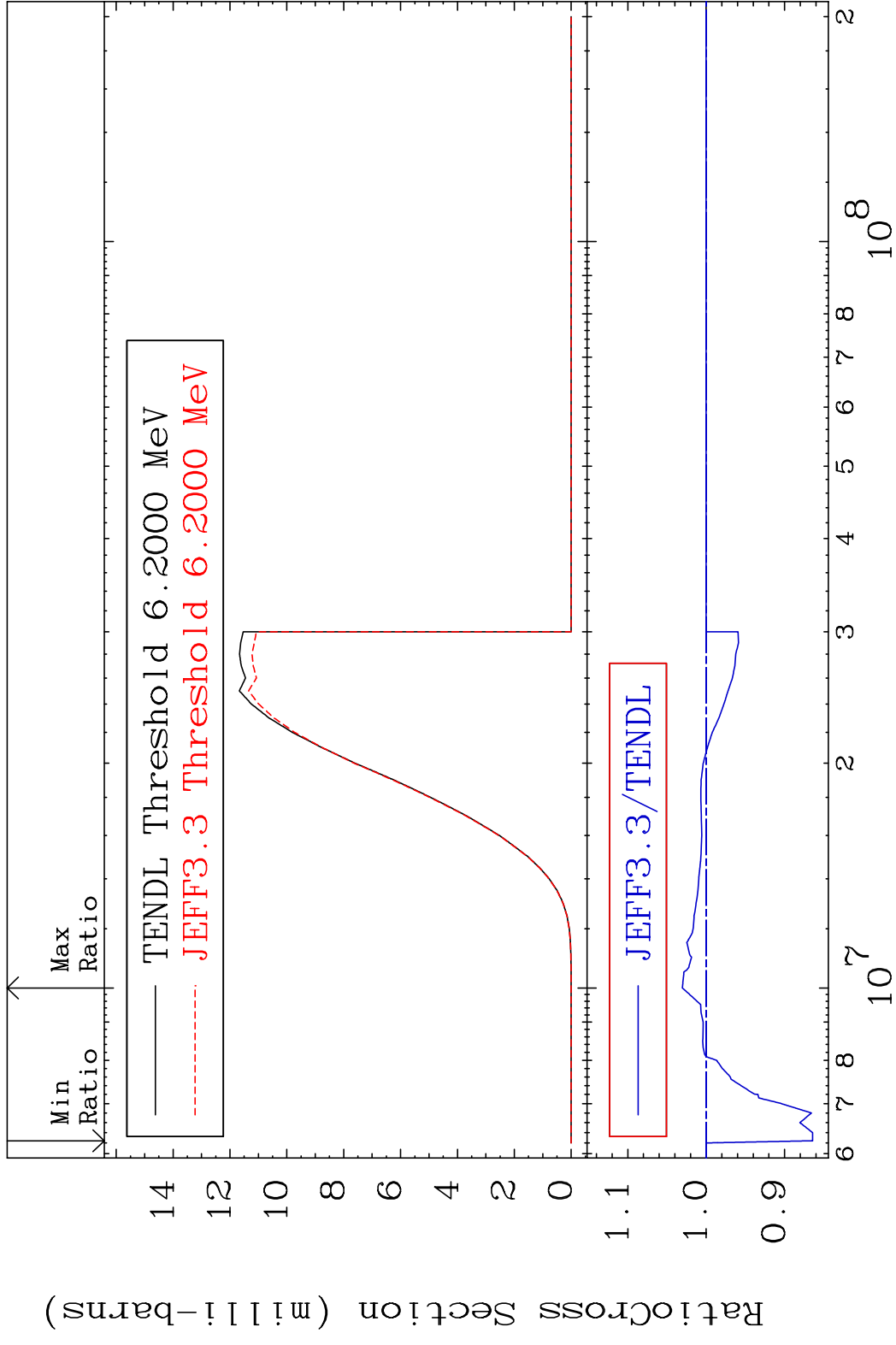




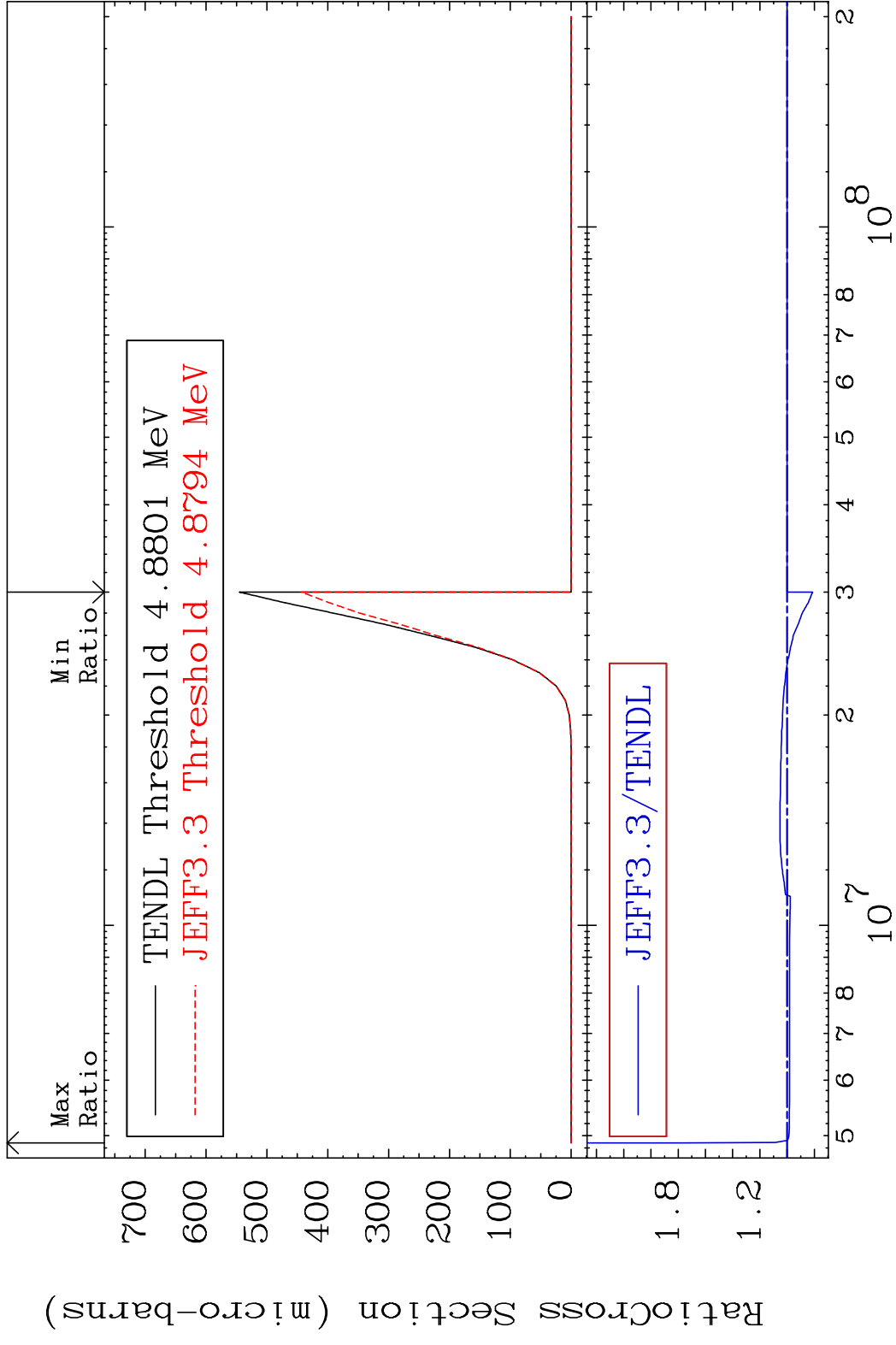
MAT 5628 (n, d):55-Cs-130g 56-Ba-131
 Radionuclide Production Cross Section Ratio 6.142 %

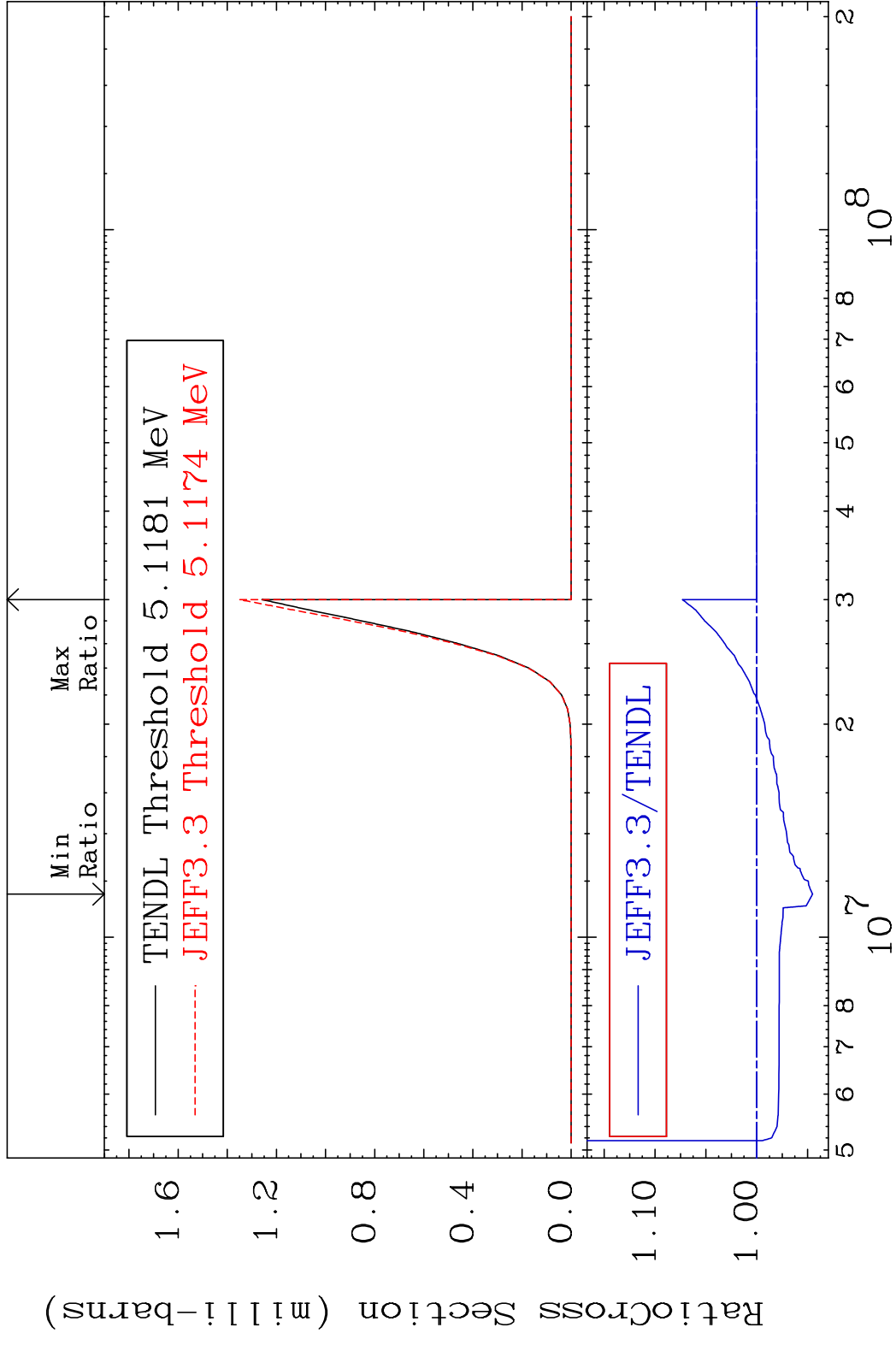


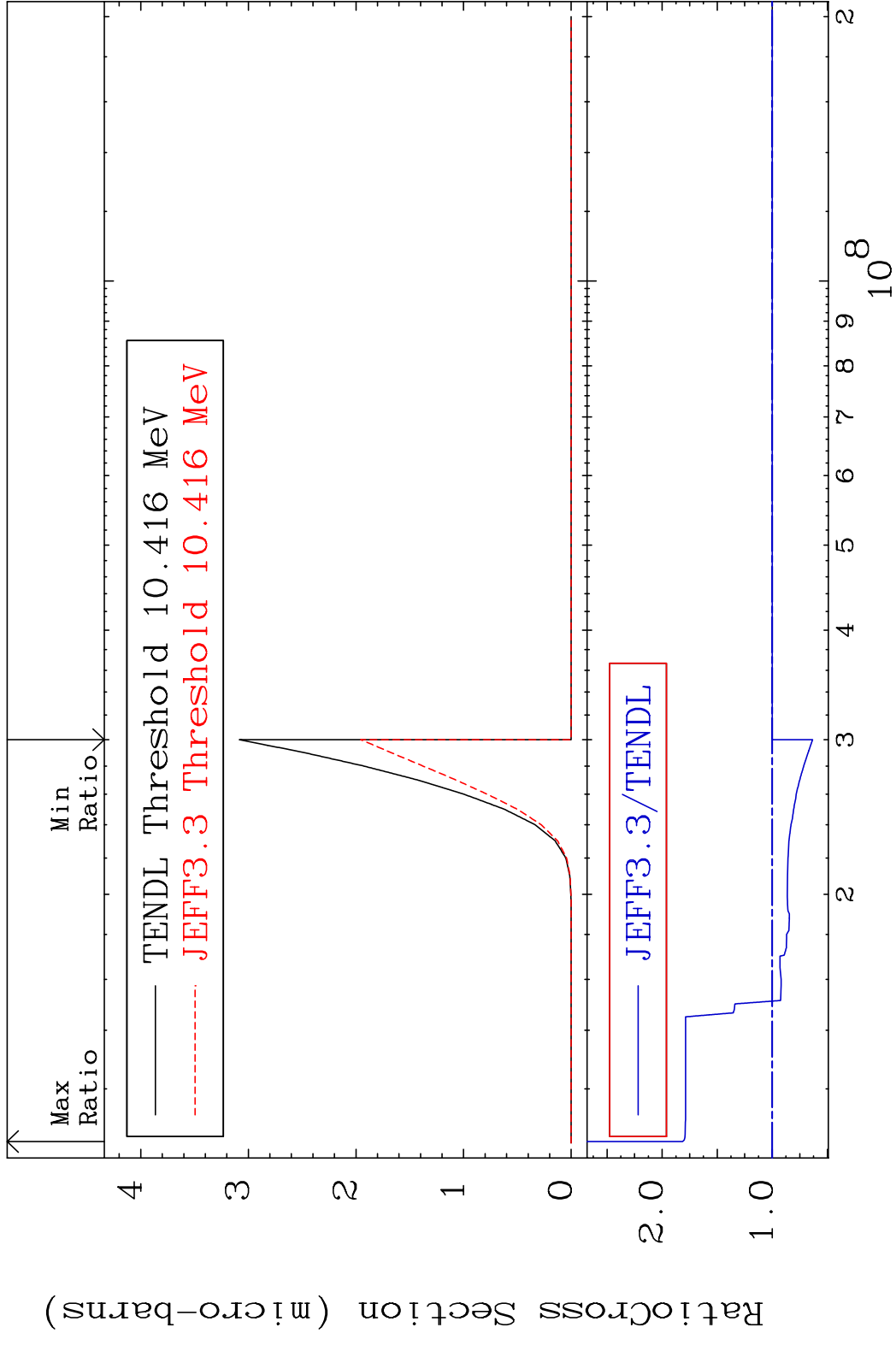
MAT 5628 (n, d):55-Cs-130m4 56-Ba-131
 Radionuclide Production Cross Section 3.041 %



MAT 5628 (n, He-3) : 54-Xe-129g 56-Ba-131
 Radionuclide Production Cross Section 18668 dth 76.93 %







MAT 5628 (n, p) d:54-Xe-129m2 56-Ba-131
 Radionuclide Production Cross Section 164.0 %

