

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

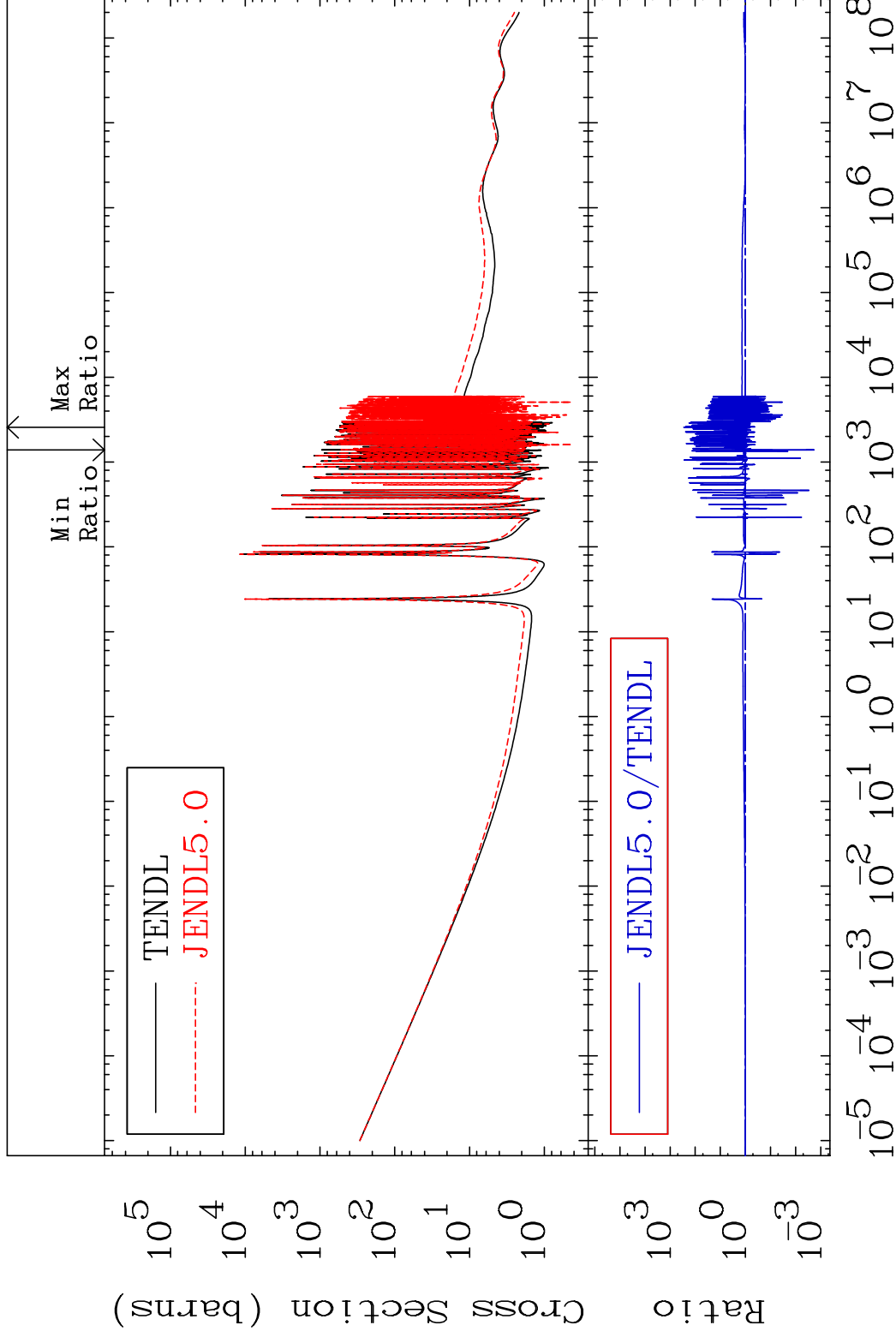
MAT 5640

Total

56-Ba-135

Cross Section

-99.82 To 9999. %



1

Incident Energy (eV)

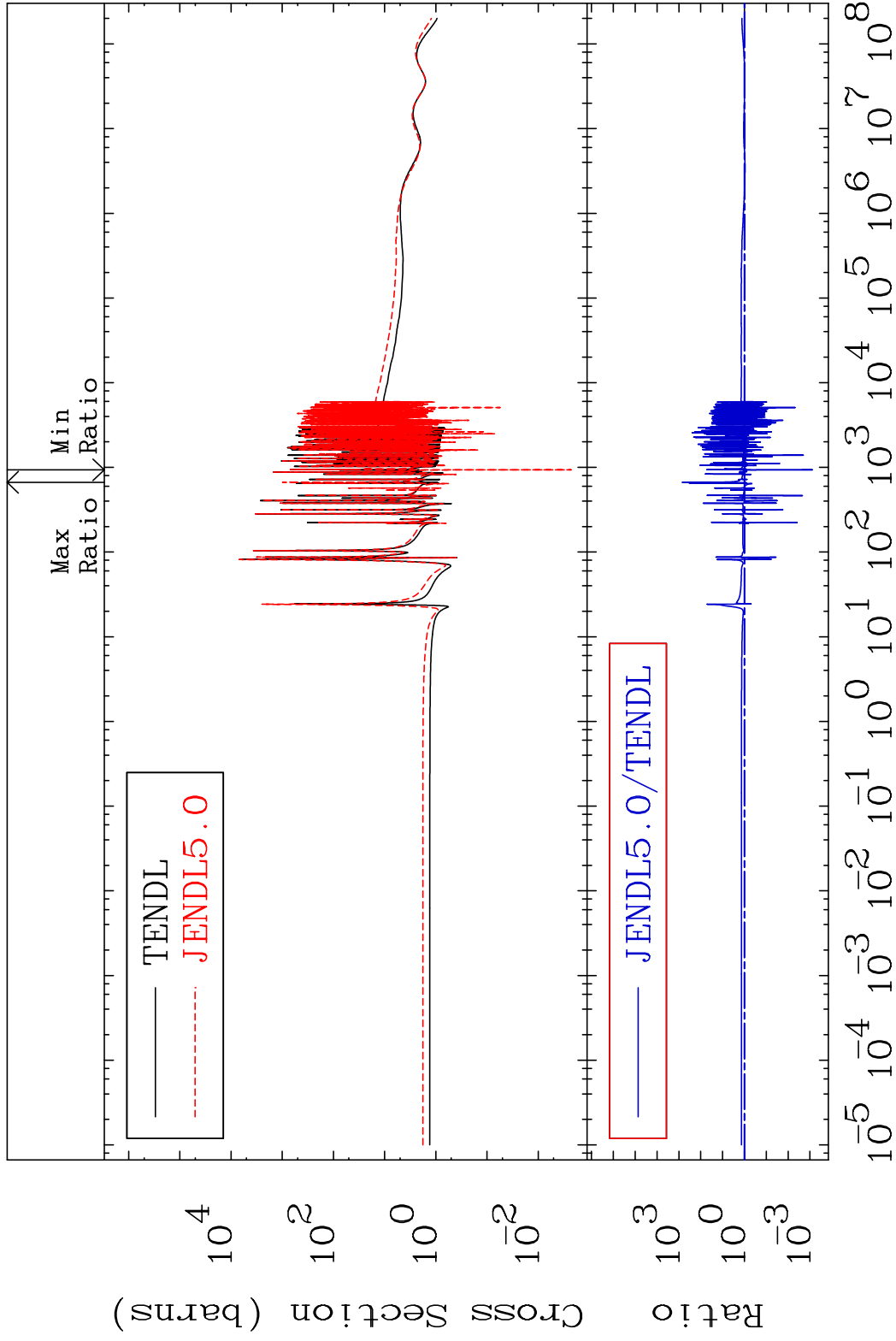
56-Ba-135

MAT 5640

Elastic

56-Ba-135

Cross Section -99.92 To 9999. %

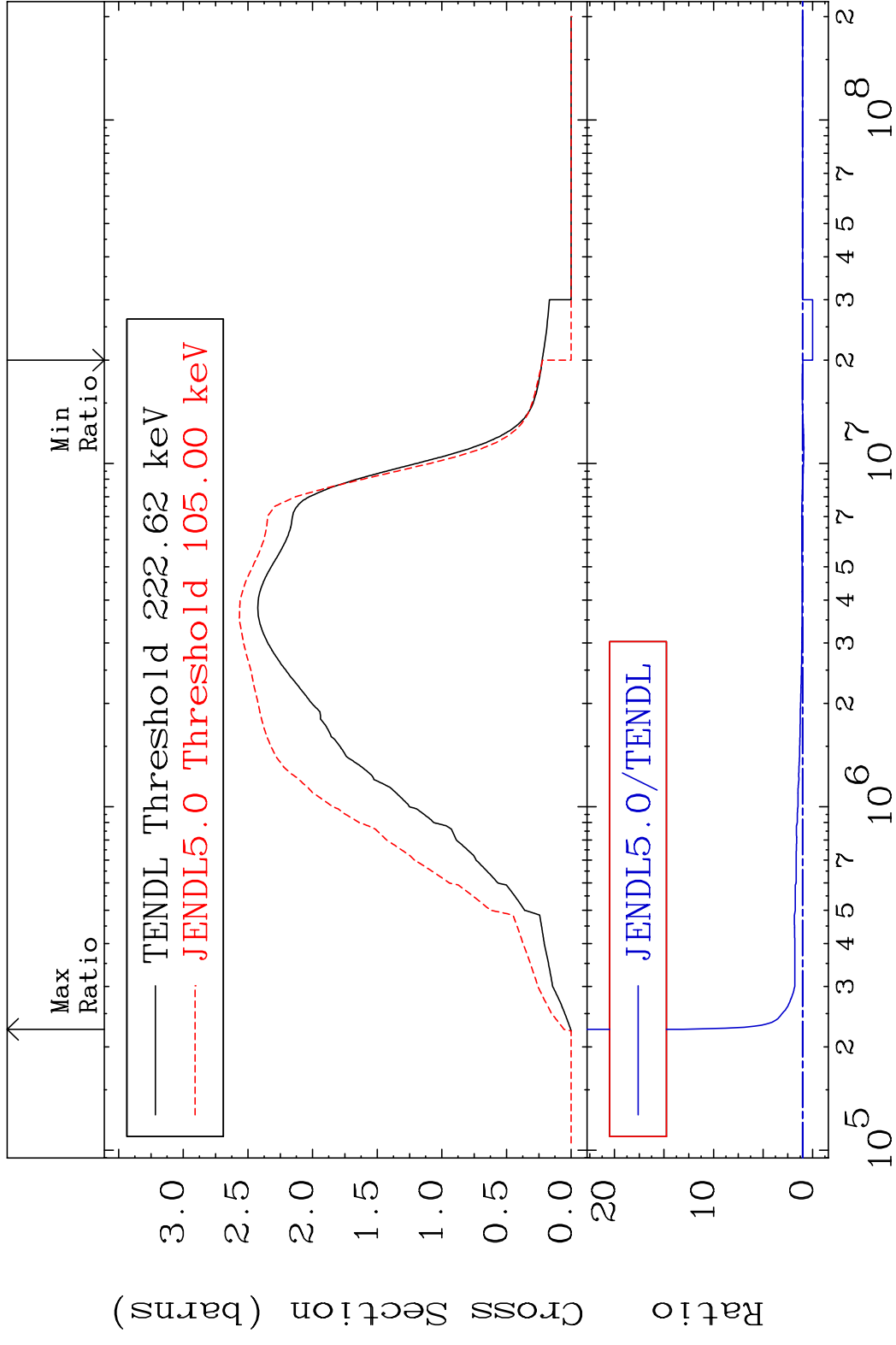


2

Incident Energy (eV)

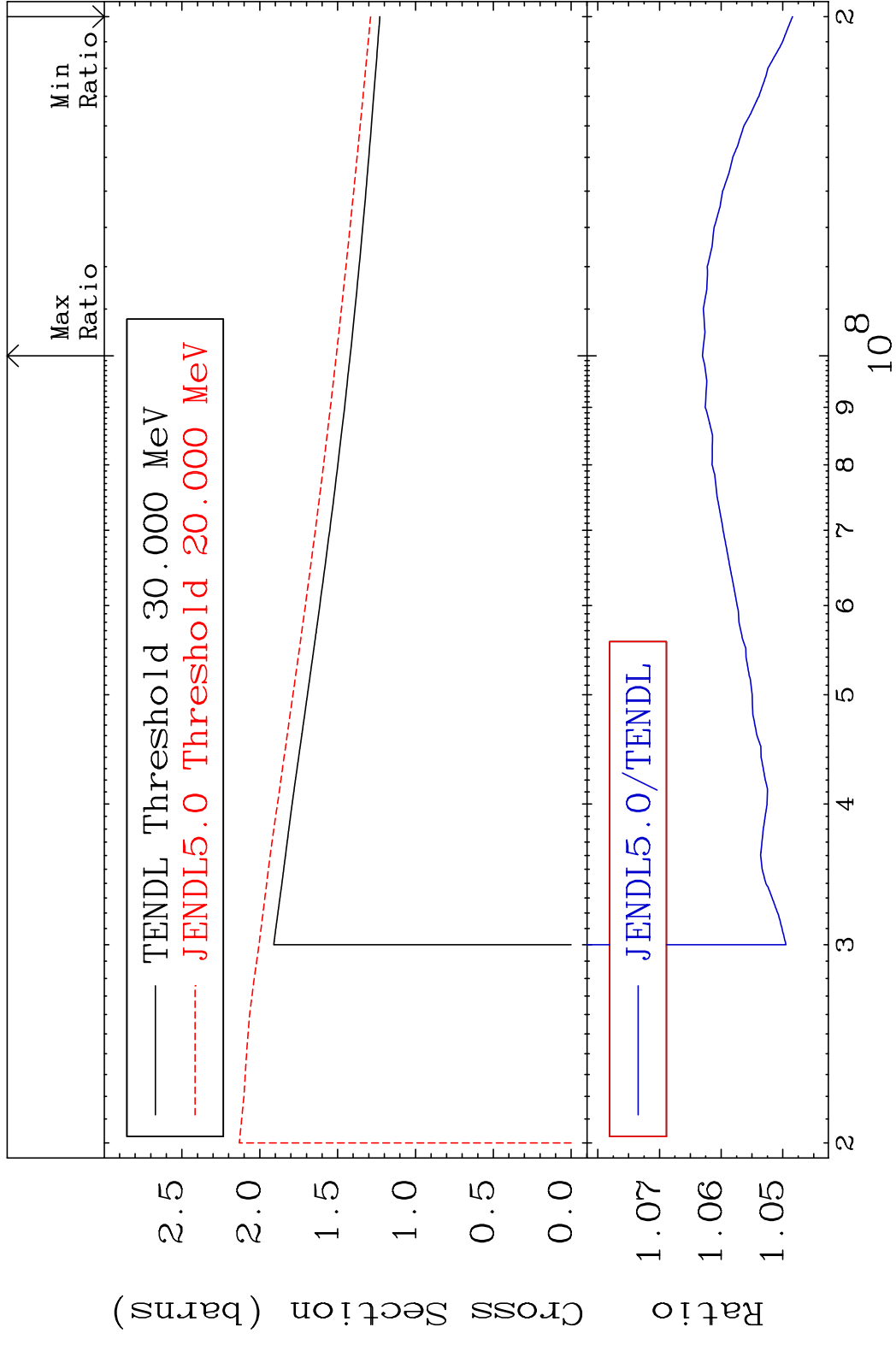
56-Ba-135

MAT 5640 Inelastic 56-Ba-135
 Cross Section -100.0 To 1215. %



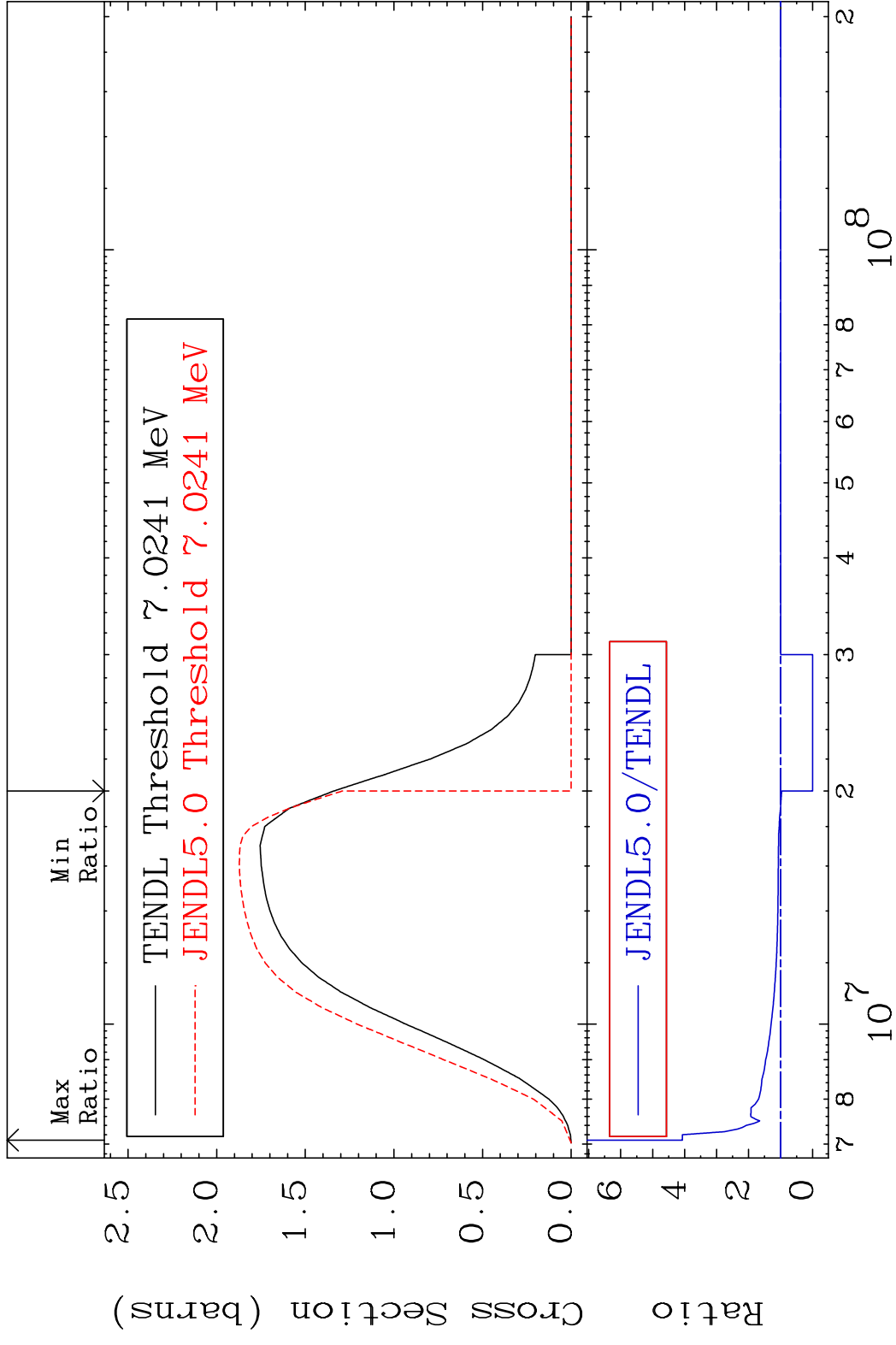
3 Incident Energy (eV) 56-Ba-135

MAT 5640 (n, remainder) 56-Ba-135
 Cross Section 4.844 To 6.304 %



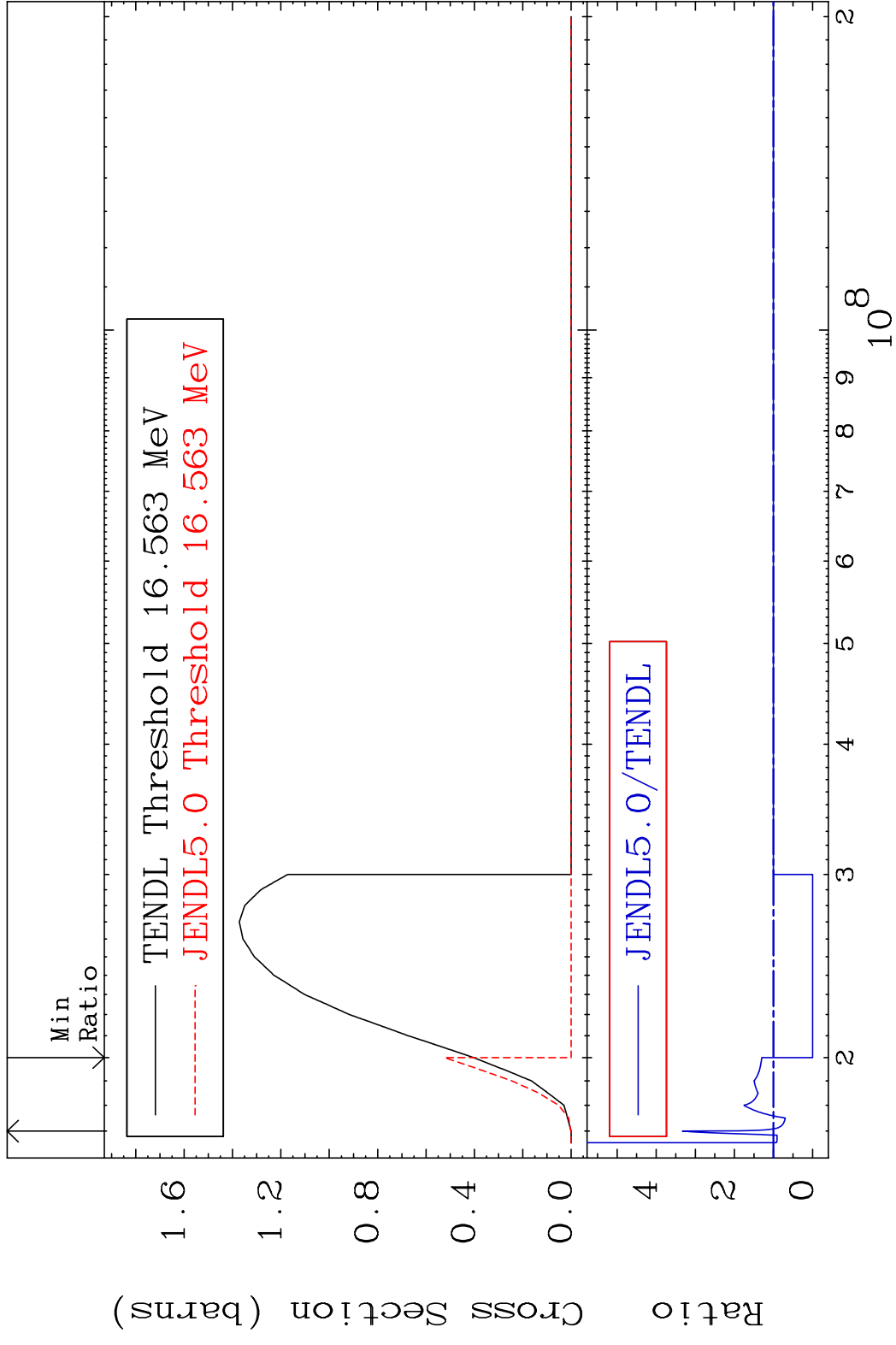
4 Incident Energy (eV) 56-Ba-135

MAT 5640 (n,2n) 56-Ba-135
 Cross Section -100.0 To 307.2 %

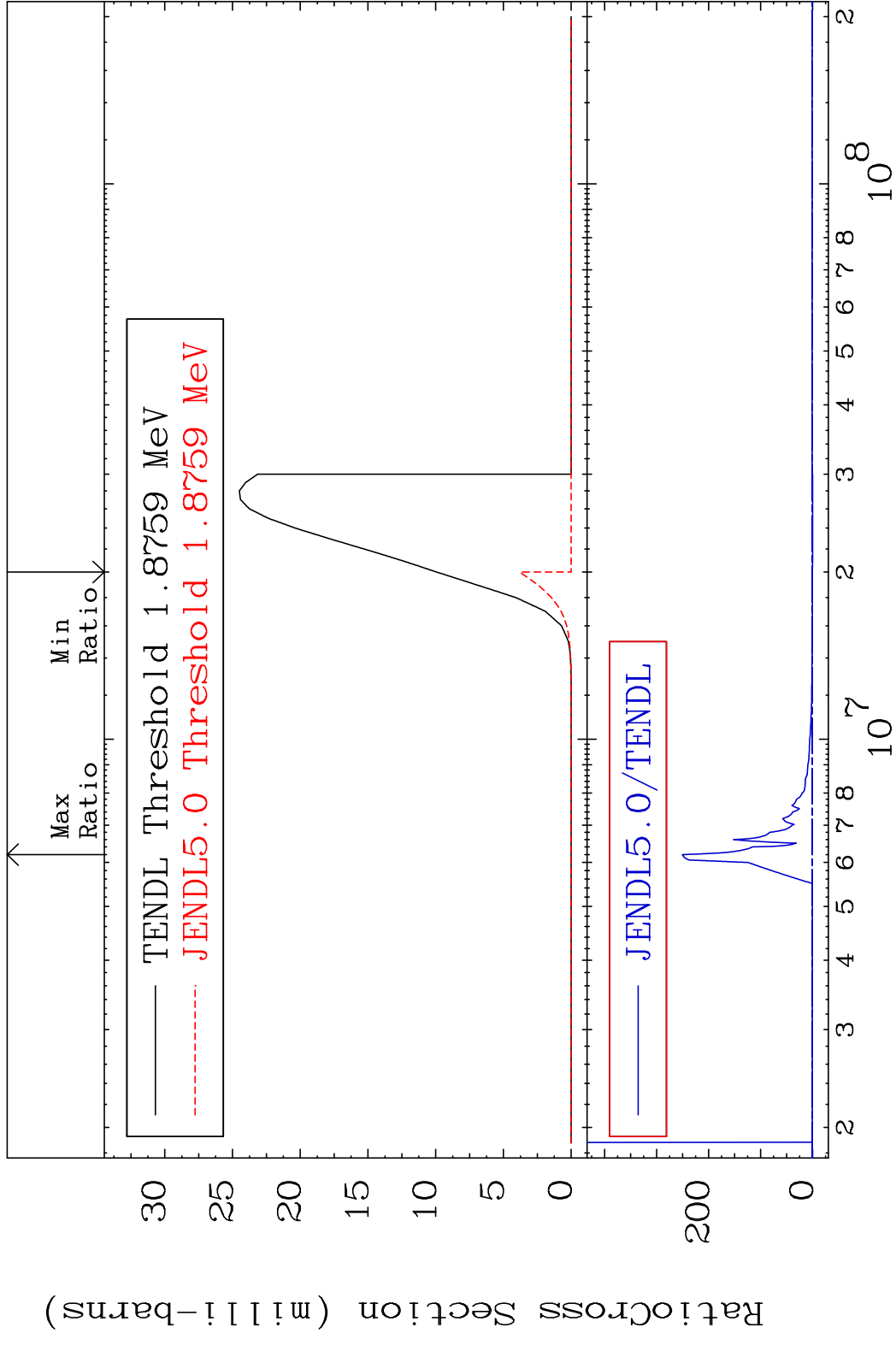


5 56-Ba-135

MAT 5640 (n,3n) 56-Ba-135
 Cross Section -100.0 To 233.1 %

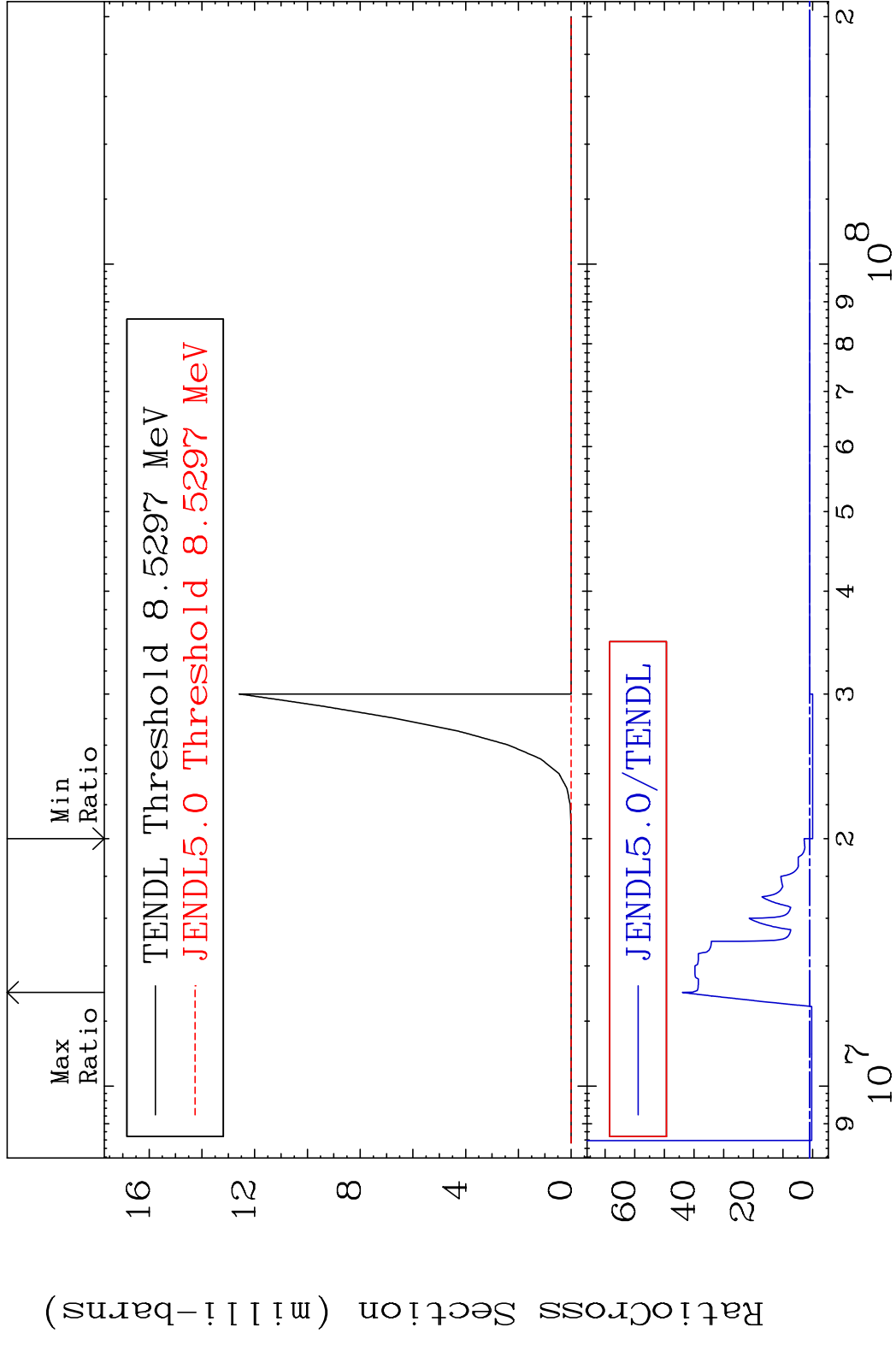


MAT 5640 (n, n') α 56-Ba-135
 Cross Section -100.0 To 9999. %



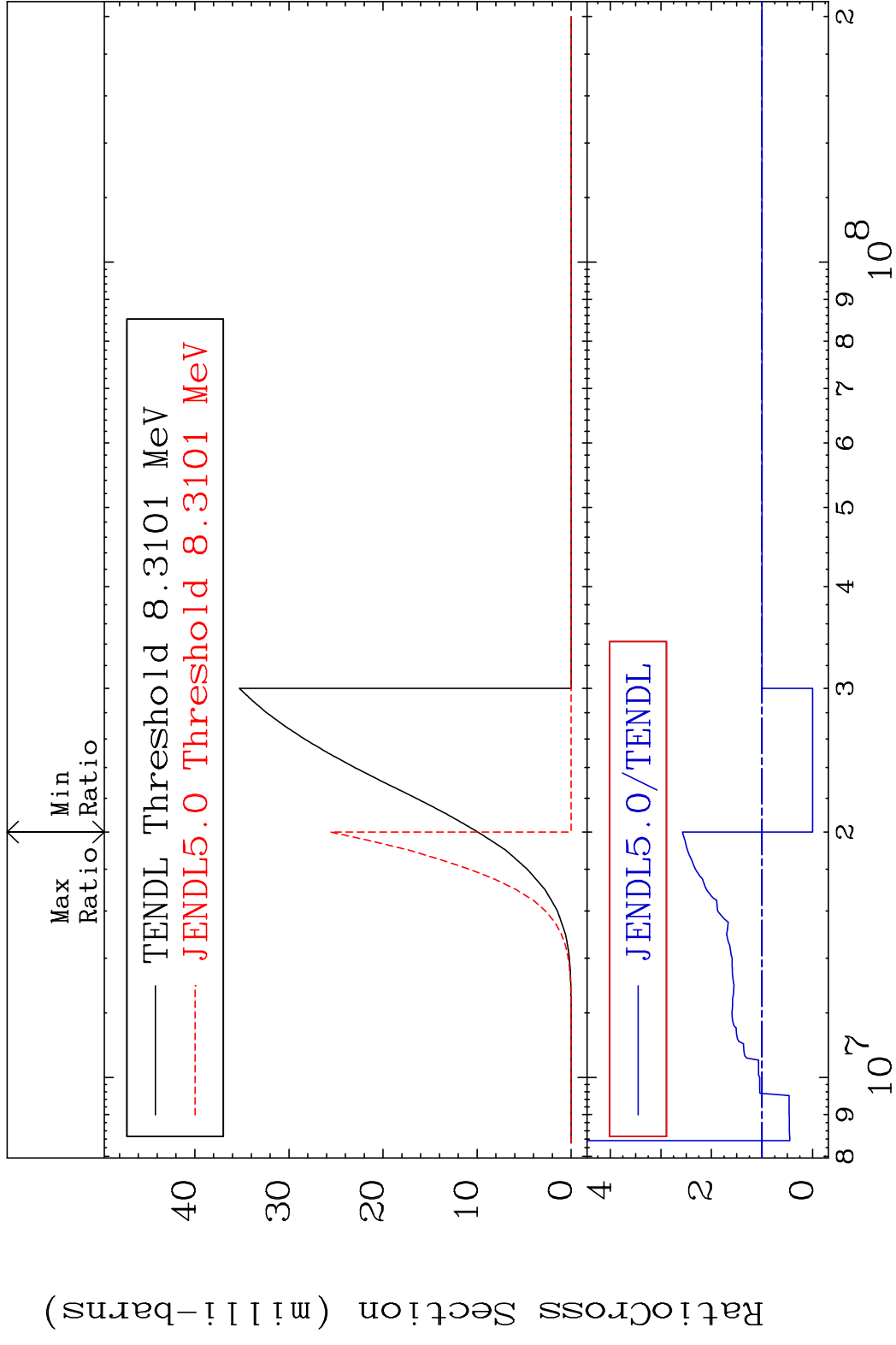
7 7 56-Ba-135

MAT 5640 (n,2n) α 56-Ba-135
 Cross Section -100.0 To 4294. %



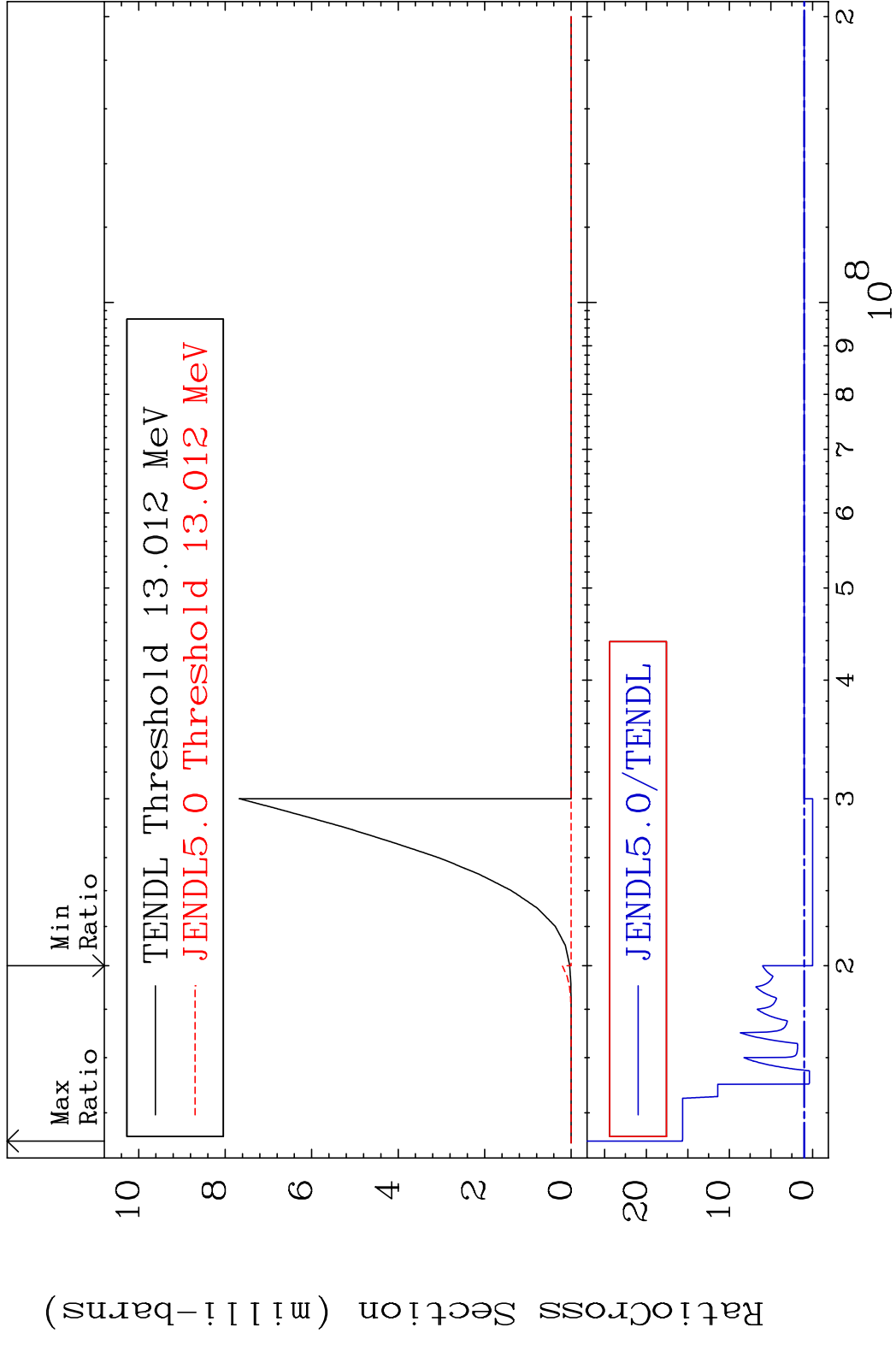
8 8 Incident Energy (eV) 56-Ba-135

MAT 5640 (n, n') p 56-Ba-135
 Cross Section -100.0 To 157.5 %



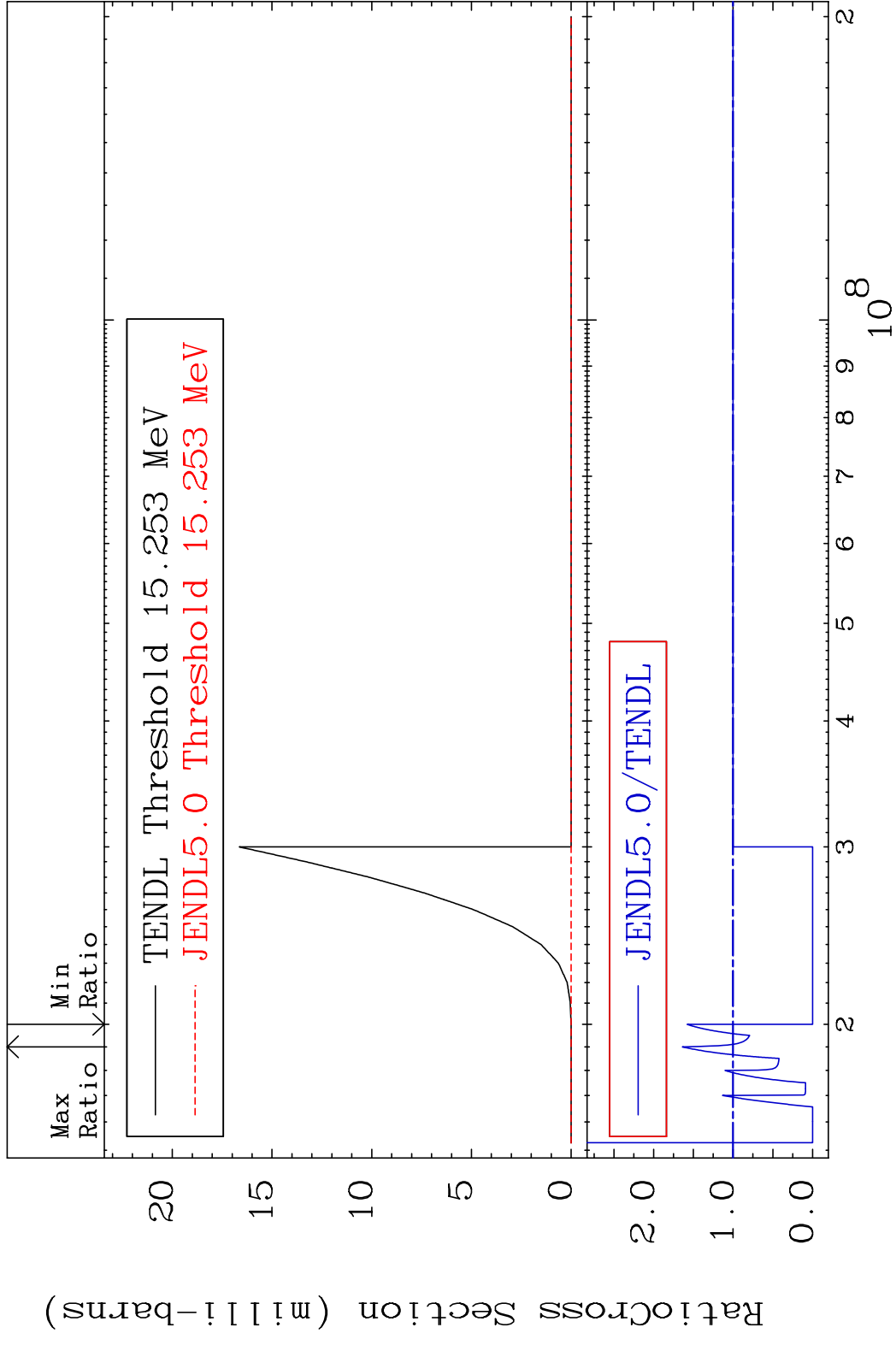
9 9 56-Ba-135

MAT 5640 (n, n') d 56-Ba-135
 Cross Section -100.0 To 1466. %

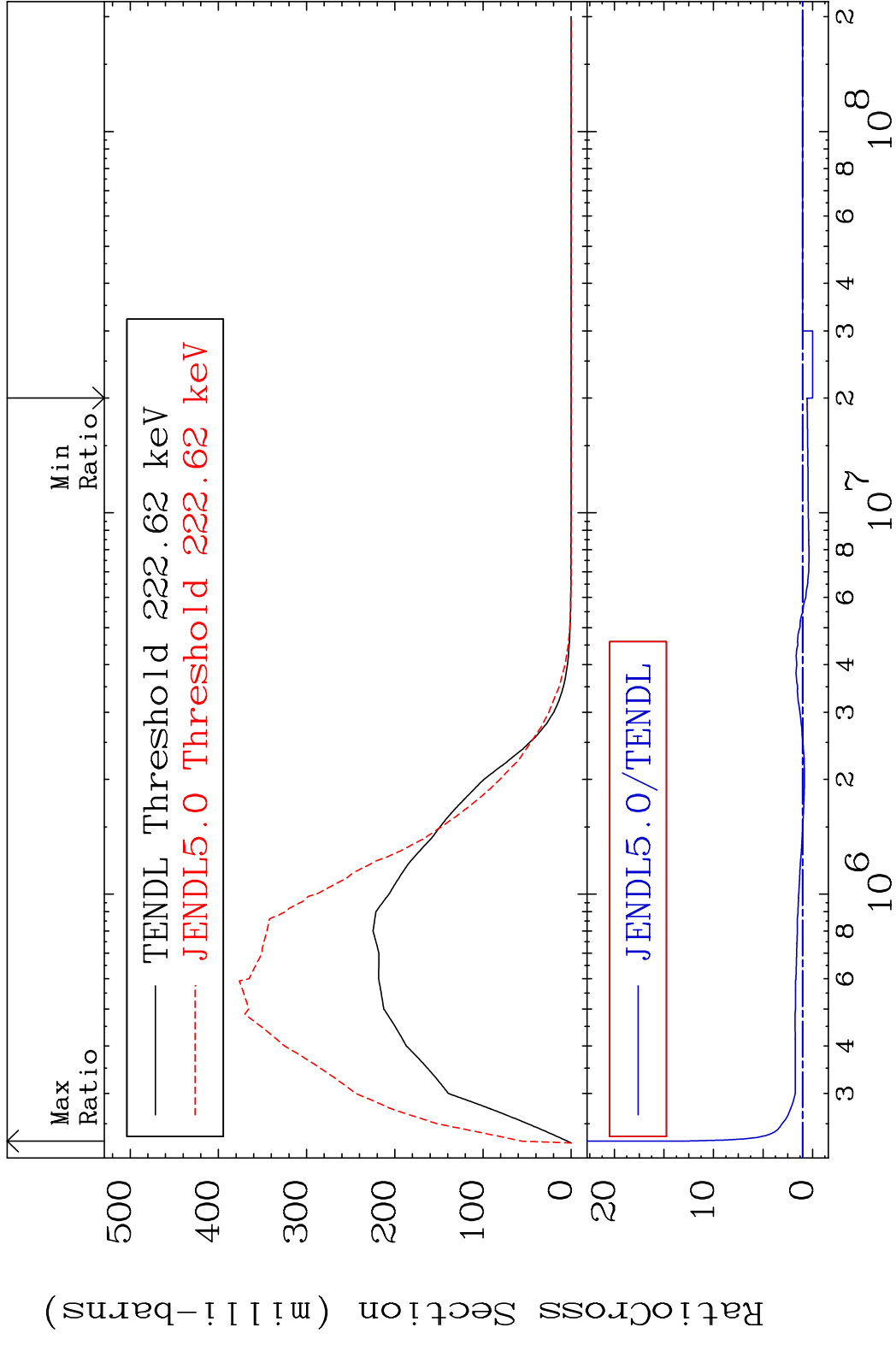


10 Incident Energy (eV) 56-Ba-135

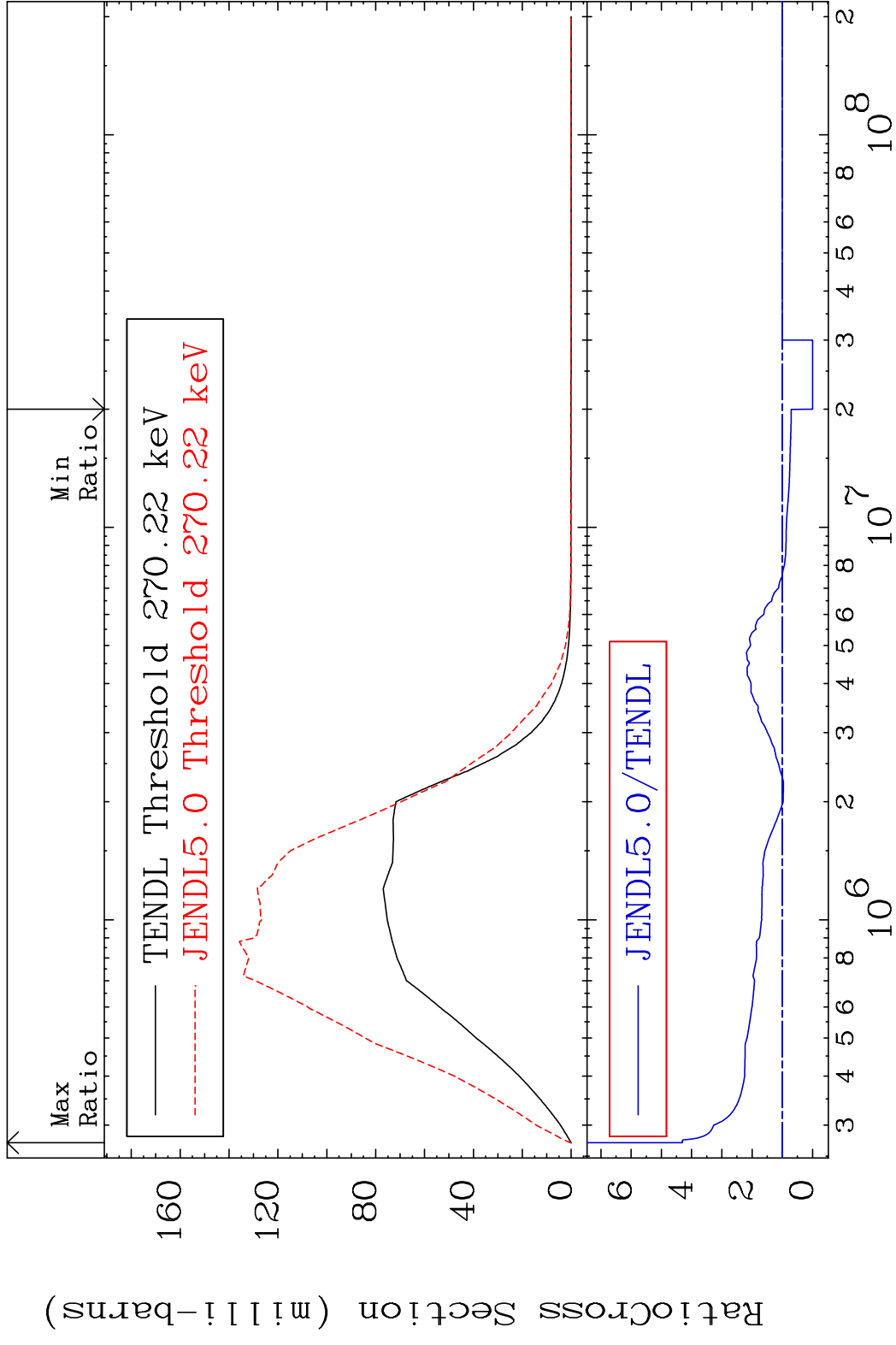
MAT 5640 (n,2n) p 56-Ba-135
 Cross Section -100.0 To 63.86 %



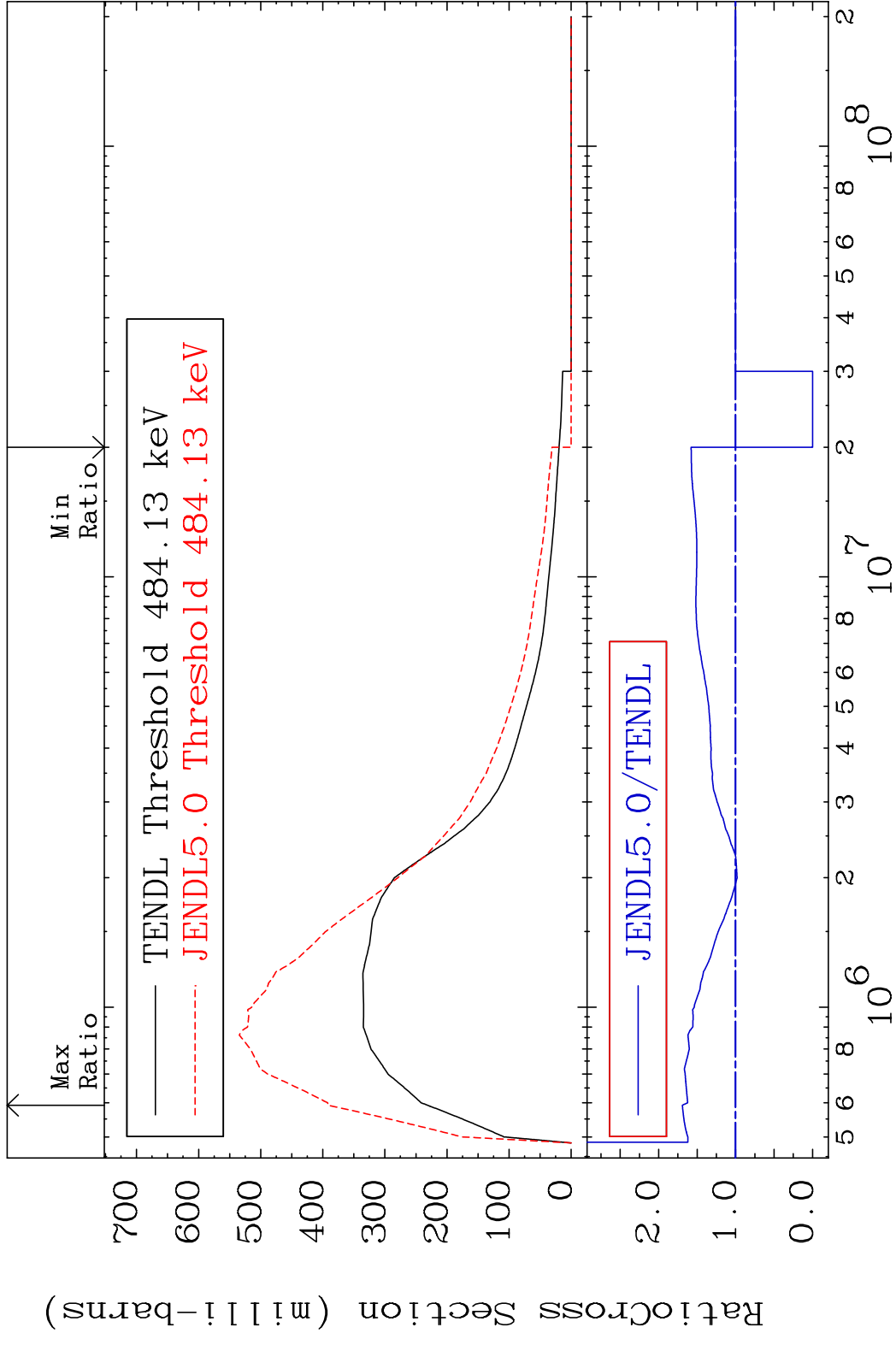
MAT 5640 MT= 51 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 1214. %



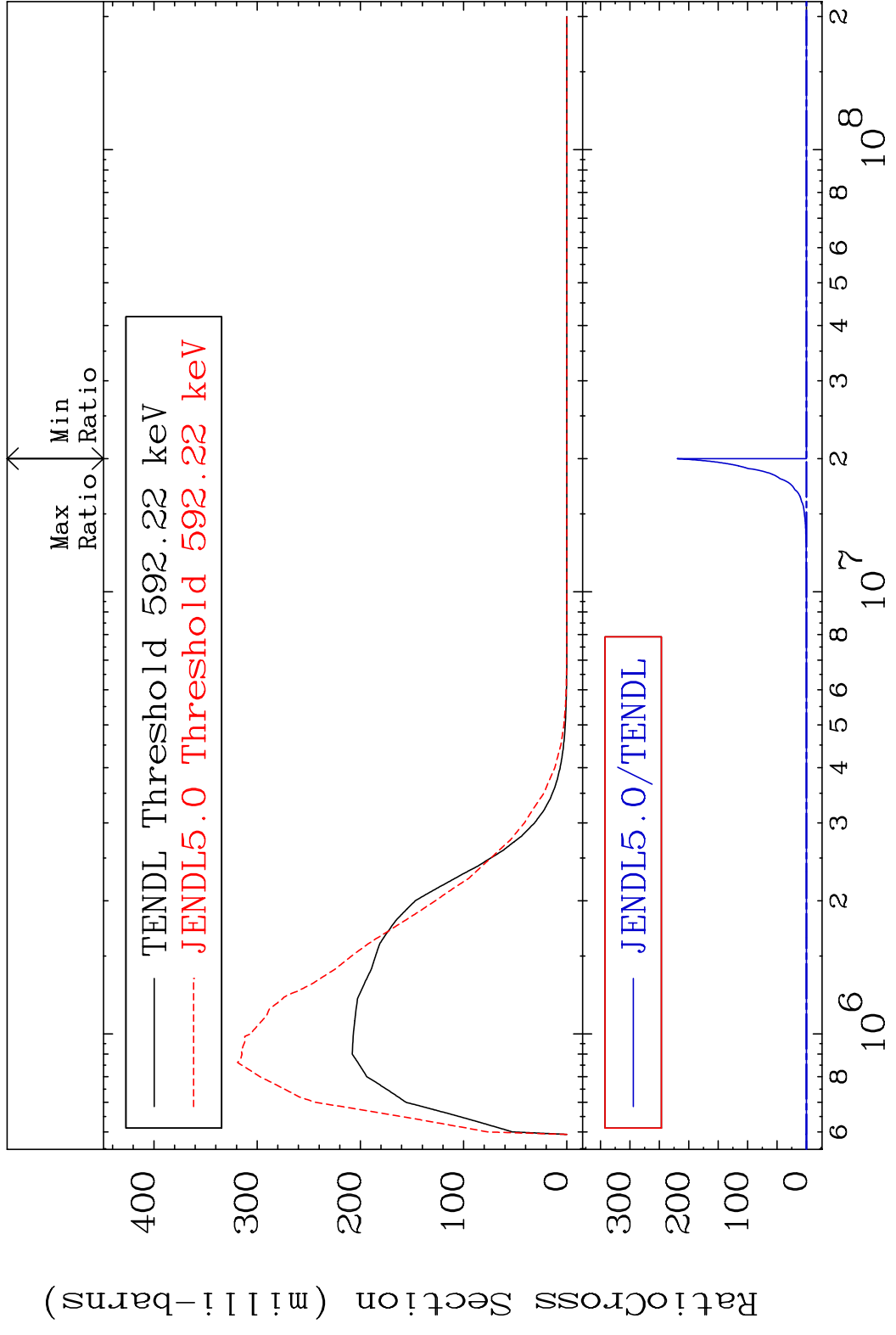
MAT 5640 MT= 52 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 330.7 %



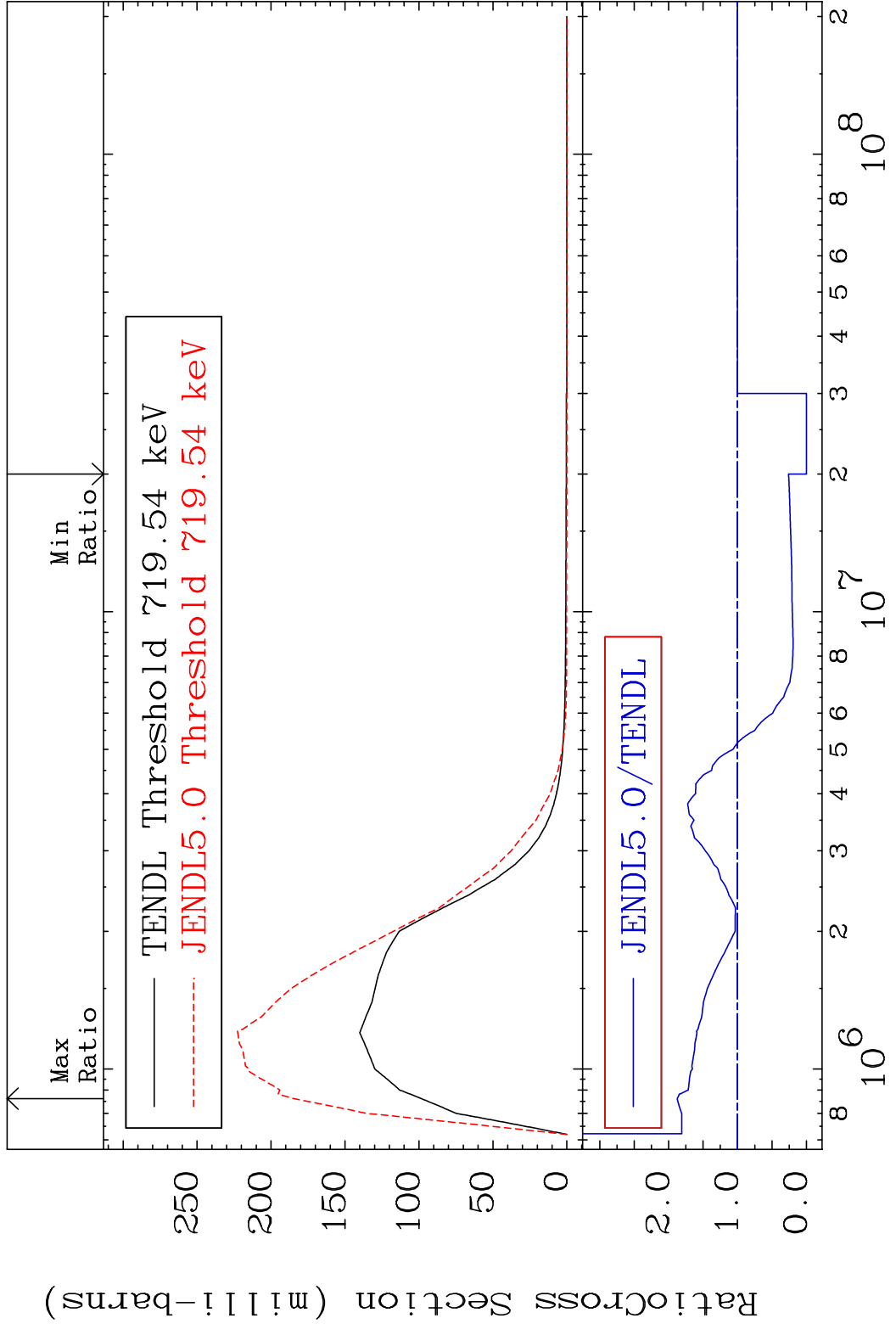
MAT 5640 MT= 53 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 69.23 %



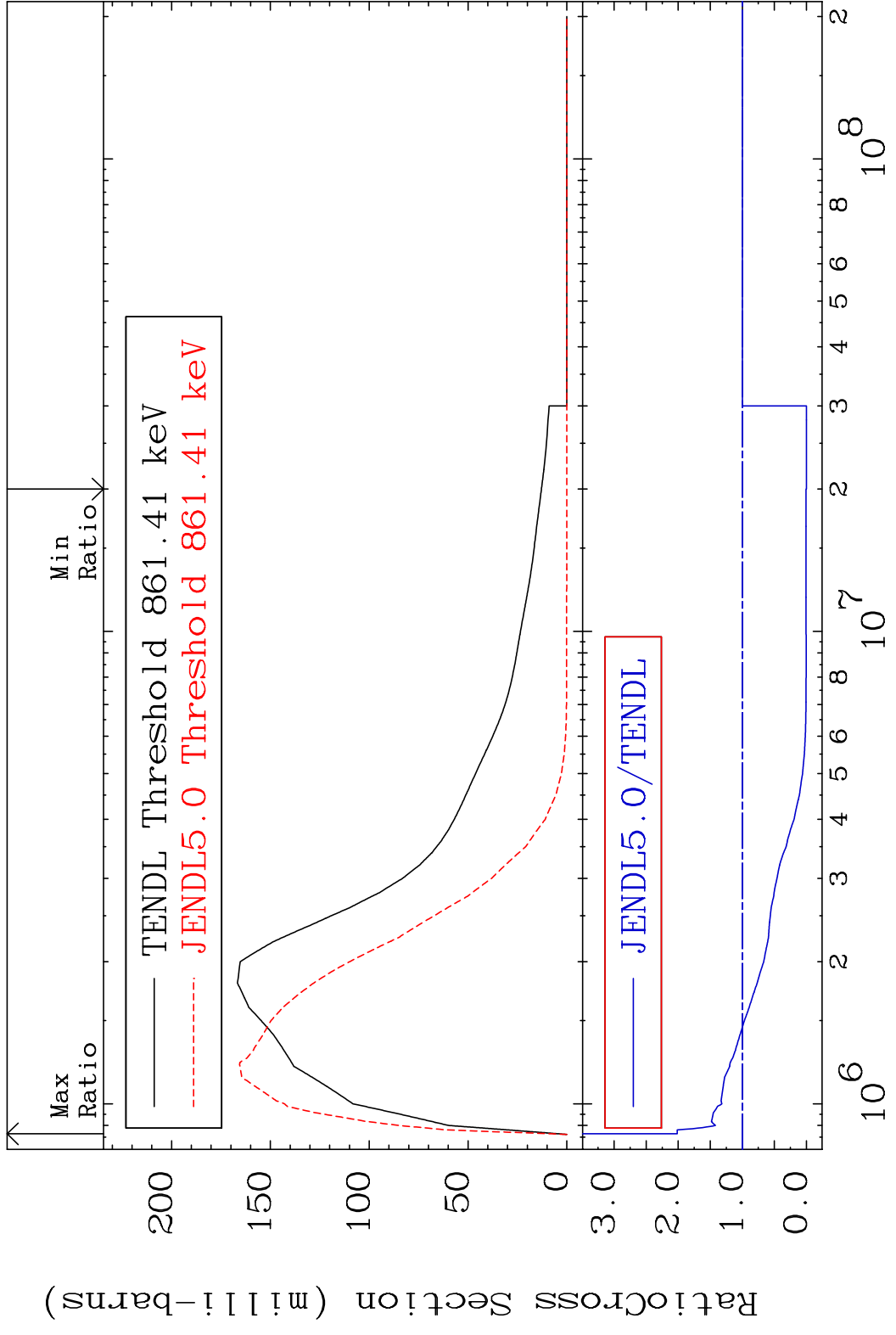
MAT 5640 MT= 54 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 9999. %



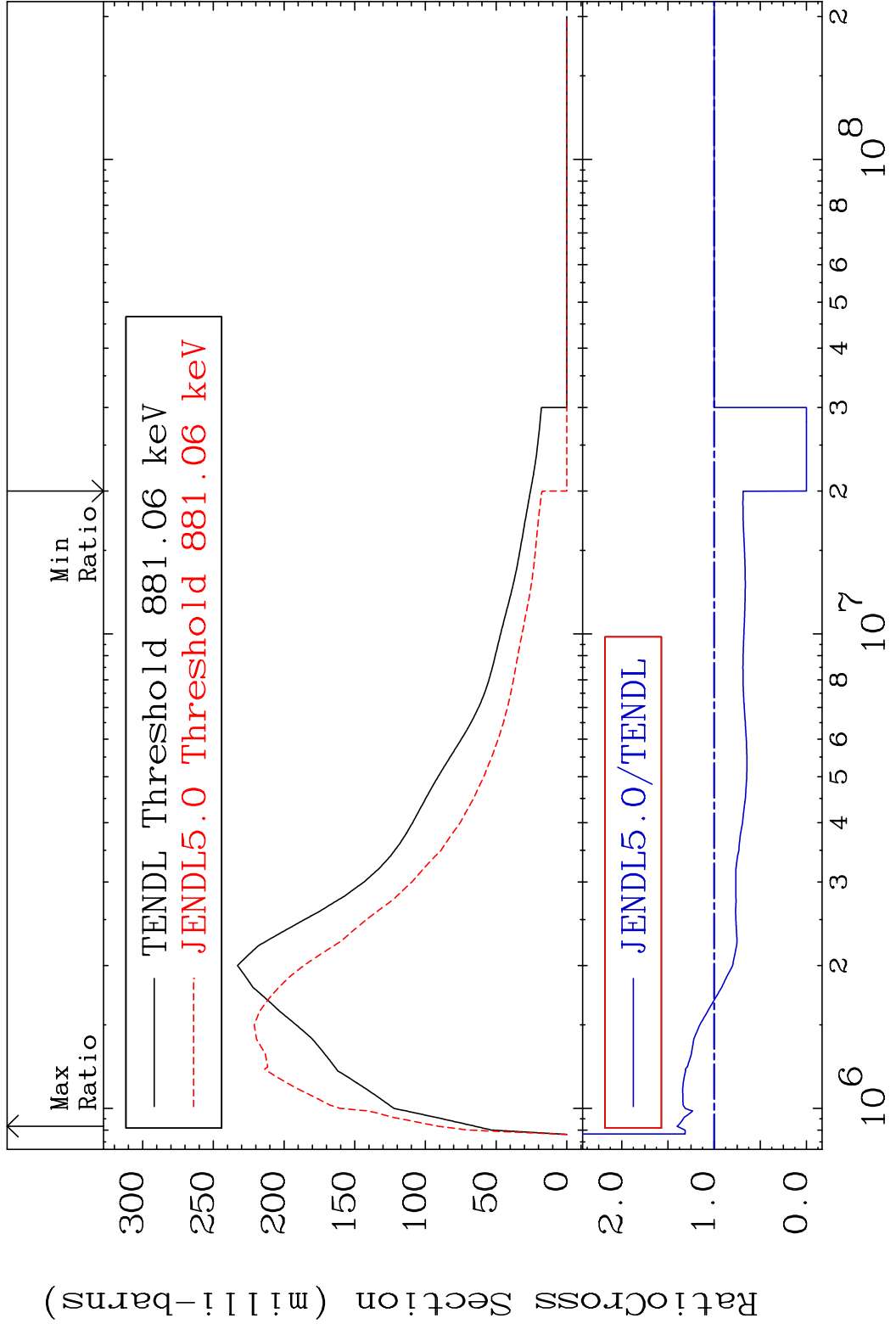
MAT 5640 MT= 55 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 87.60 %



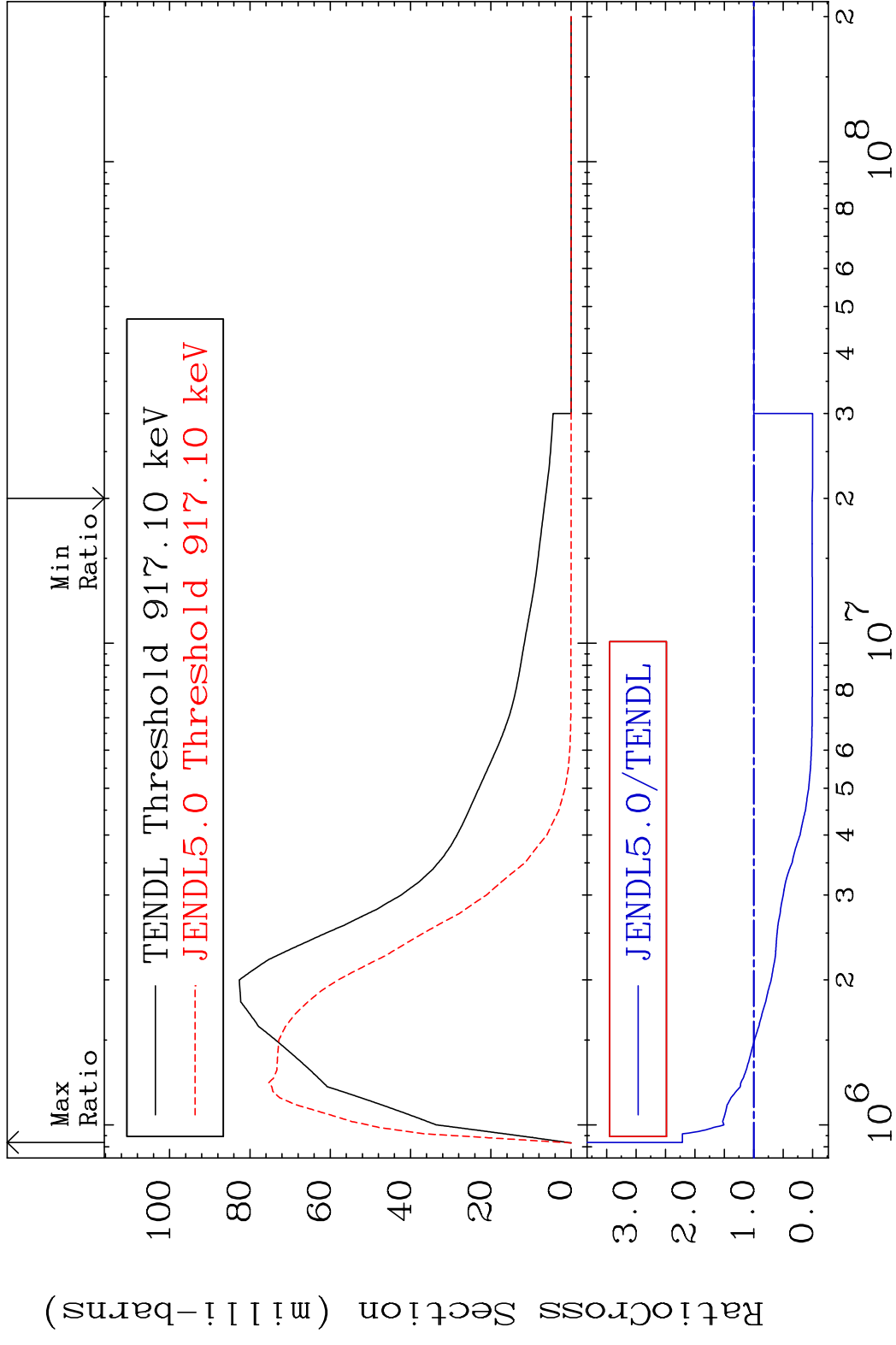
MAT 5640 MT= 56 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 101.6 %



MAT 5640 MT= 57 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 39.90 %

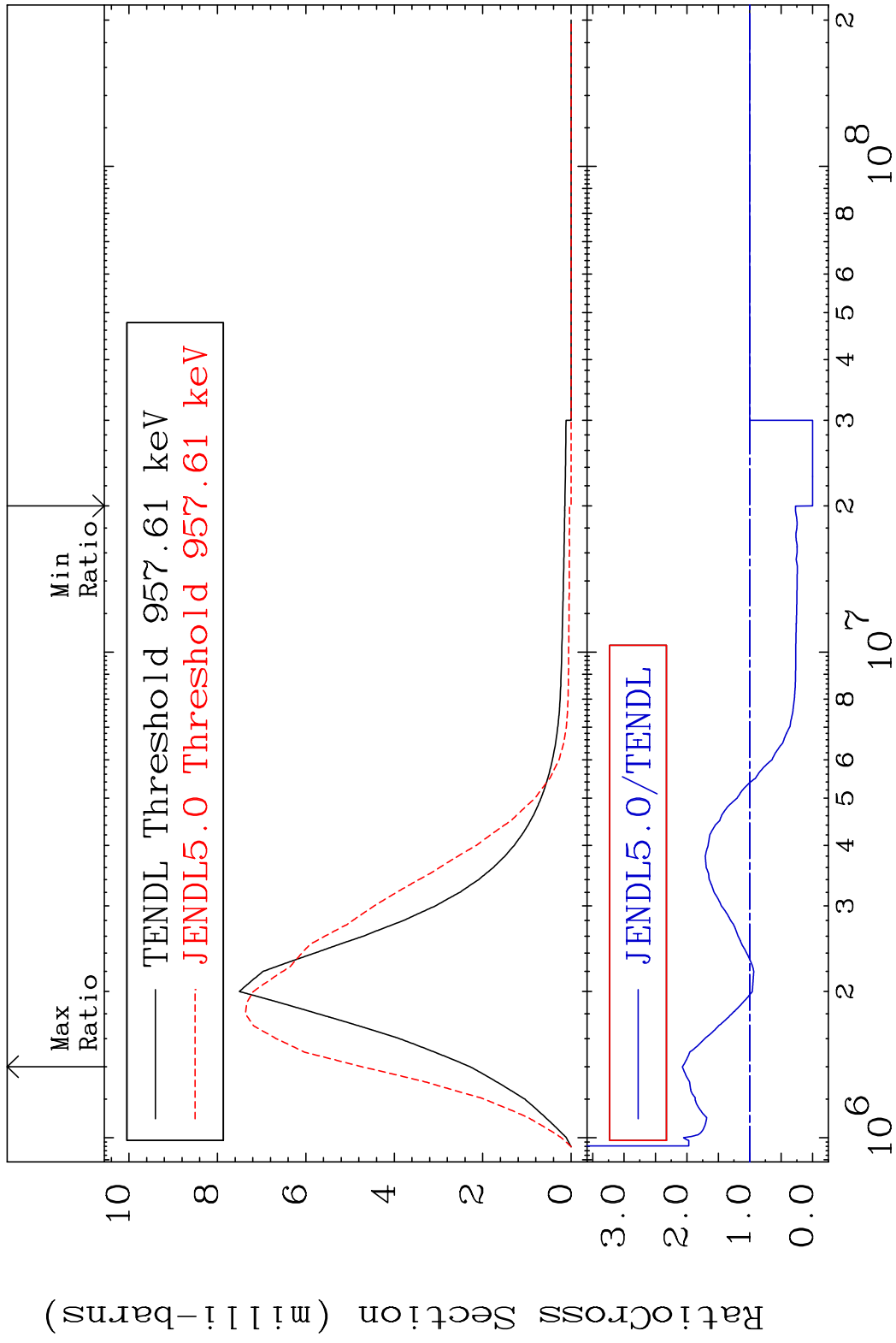


MAT 5640 MT= 58 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 121.2 %



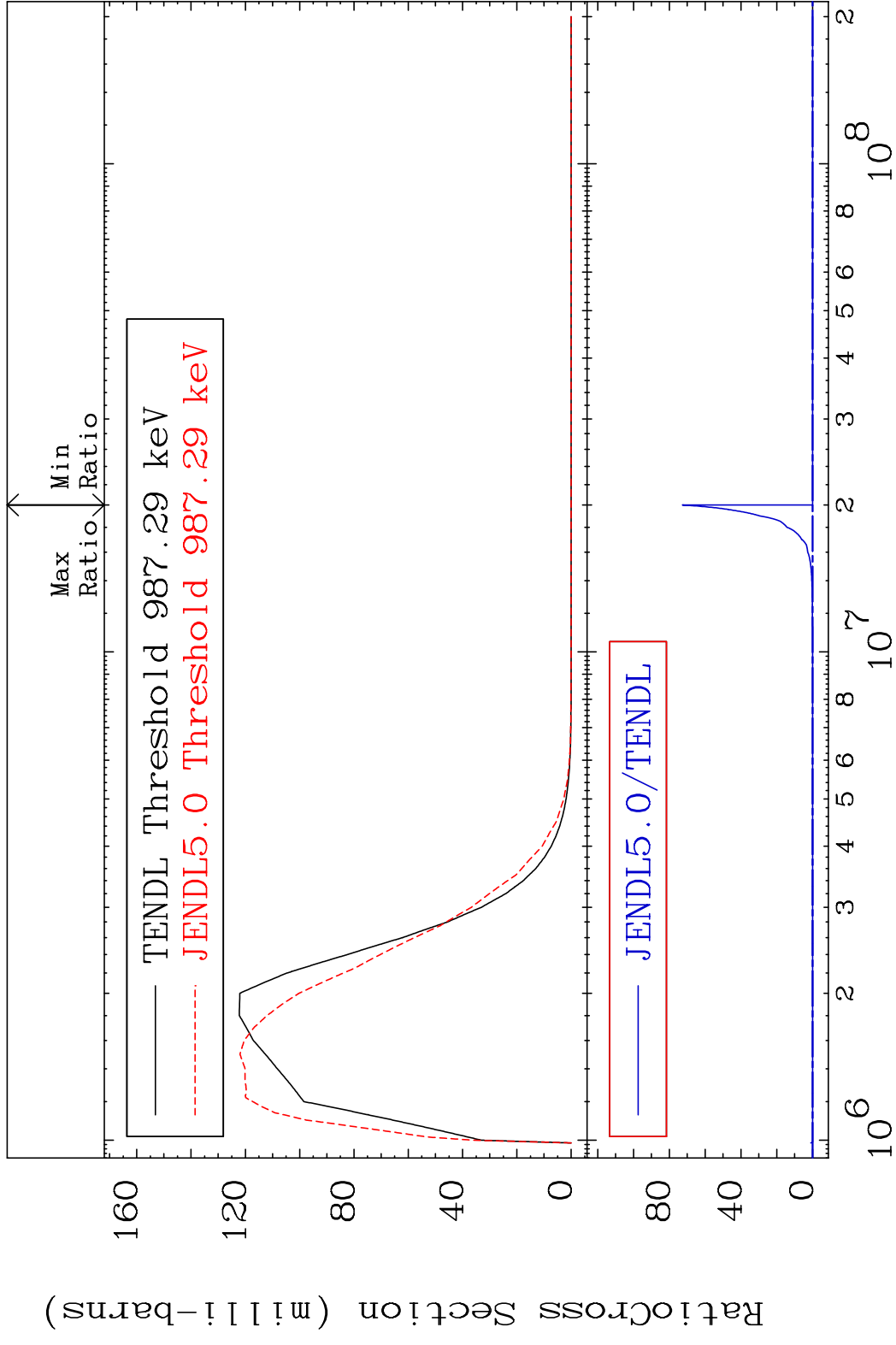
19 19 Incident Energy (eV) 56-Ba-135

MAT 5640 MT= 59 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 107.3 %



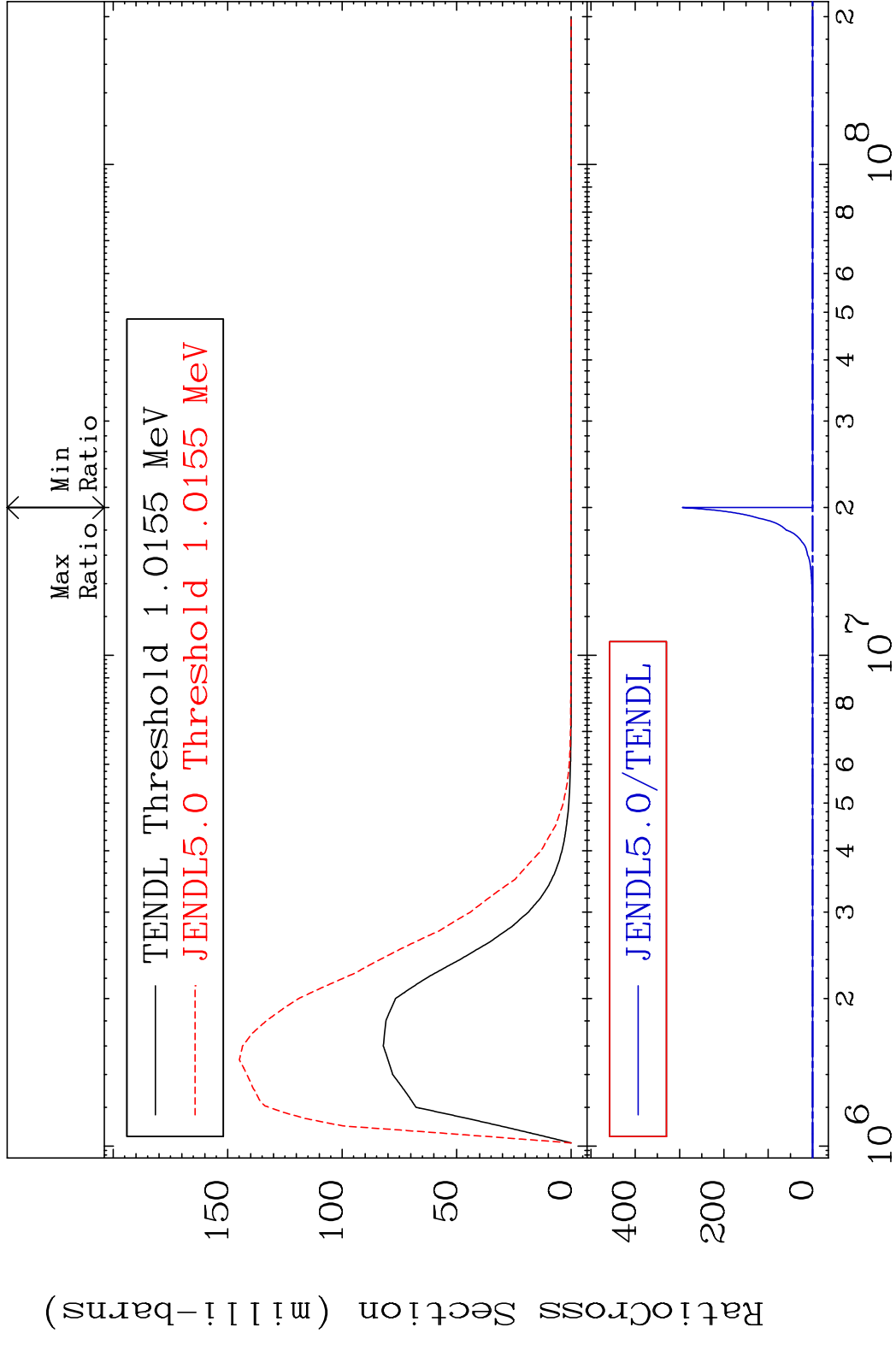
20 56-Ba-135

MAT 5640 MT= 60 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 9999. %



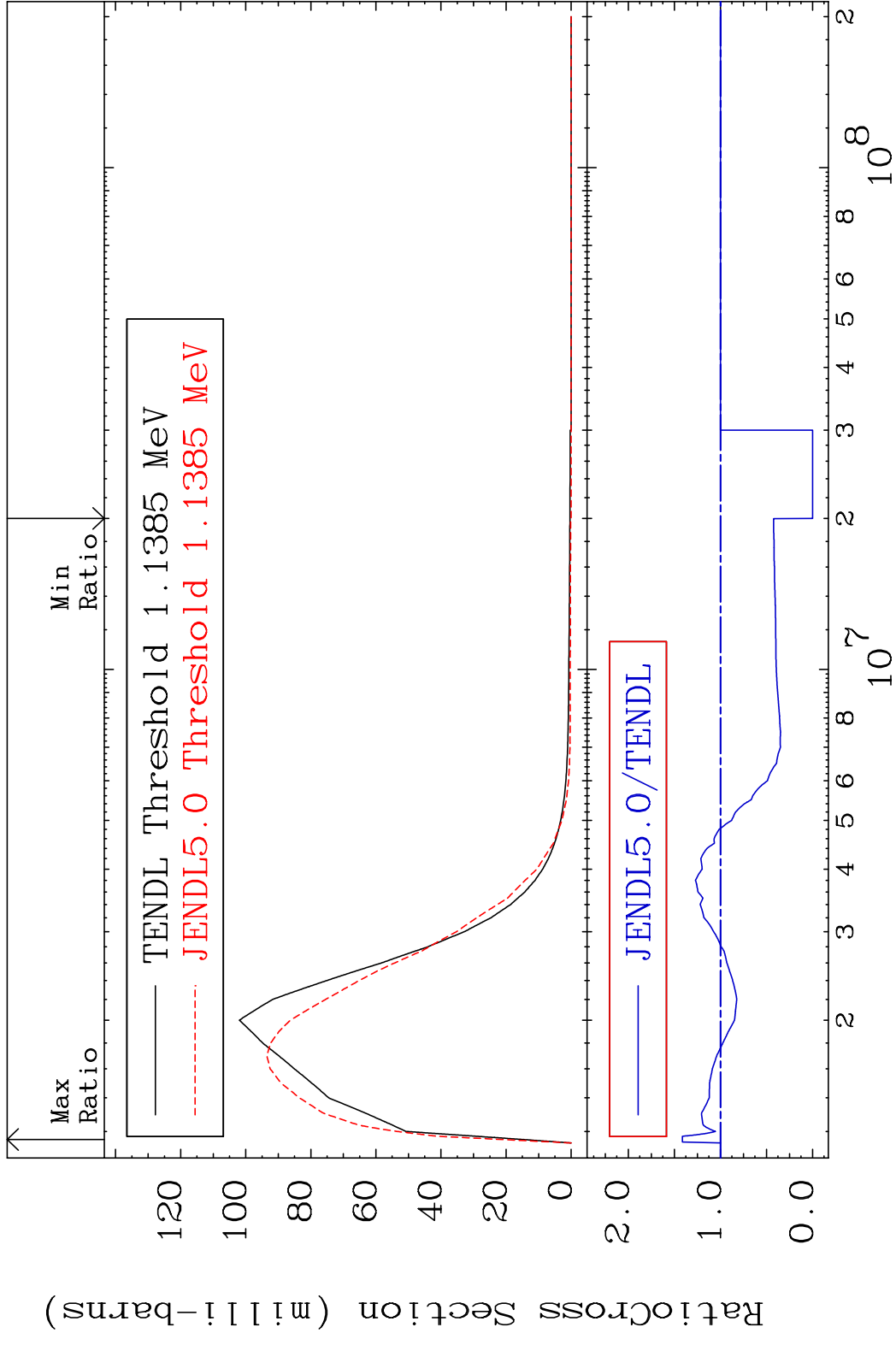
21 Incident Energy (eV) 56-Ba-135

MAT 5640 MT= 61 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 9999. %

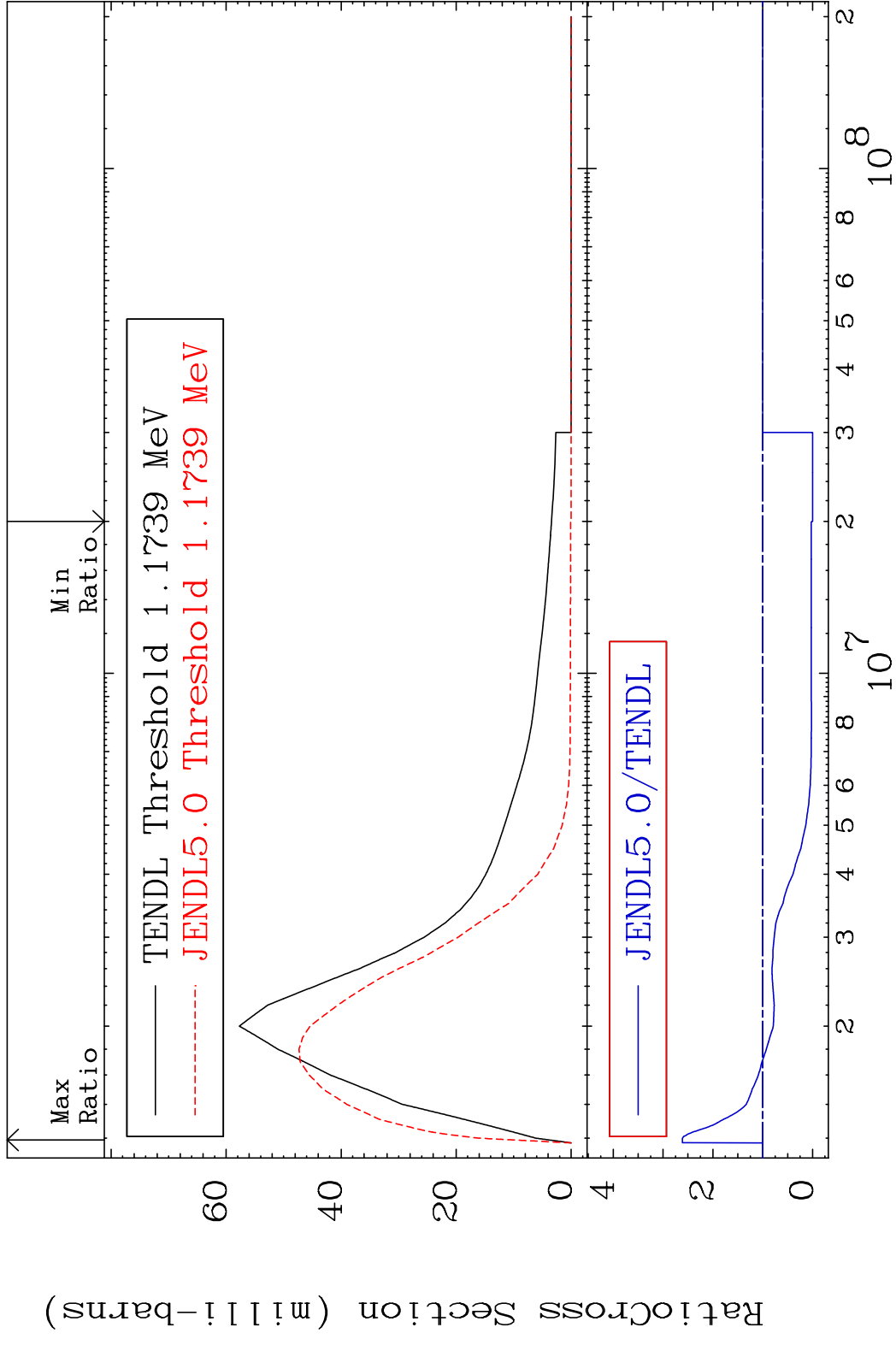


22 Incident Energy (eV) 56-Ba-135

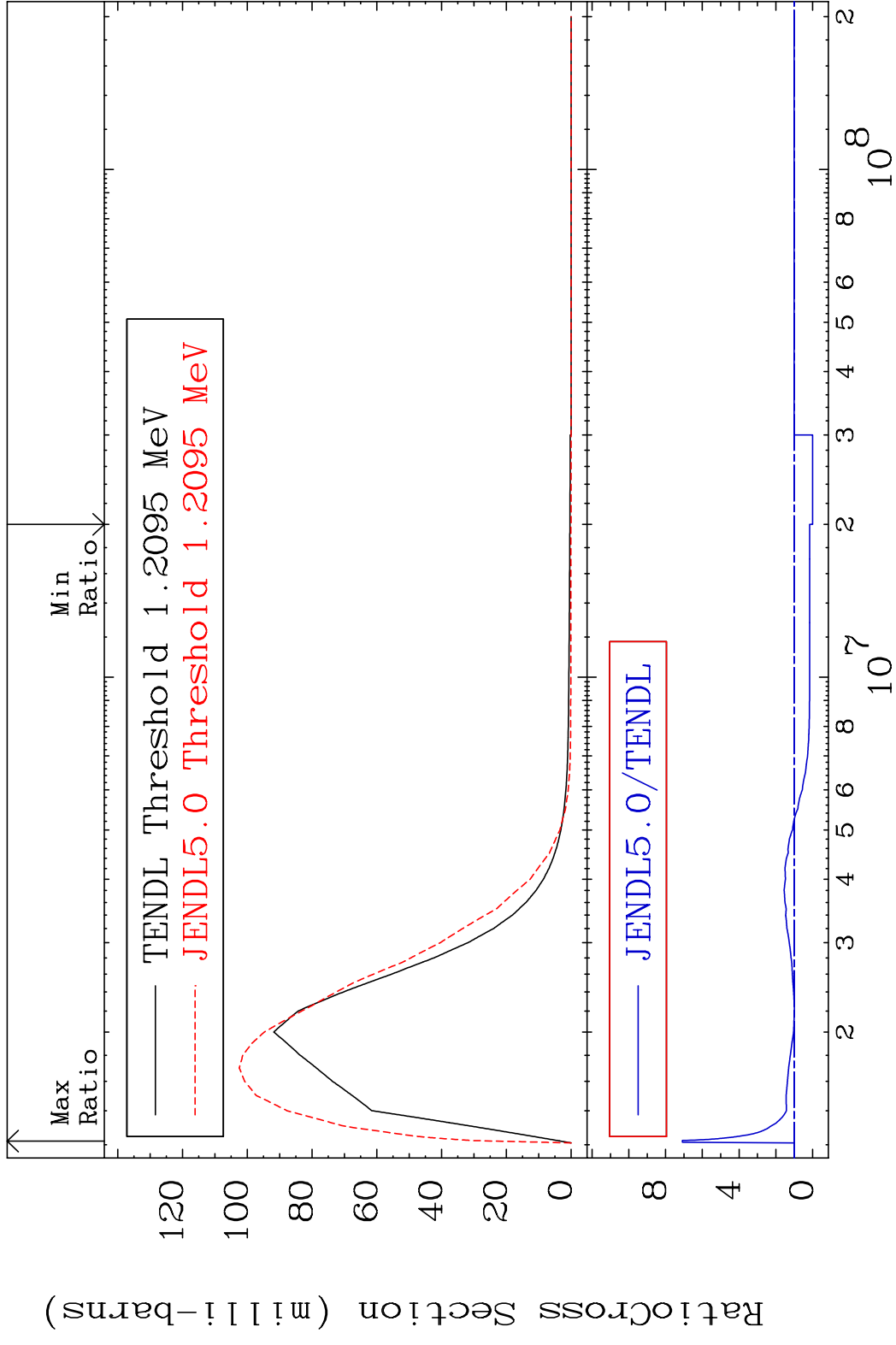
MAT 5640 MT= 62 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 41.28 %



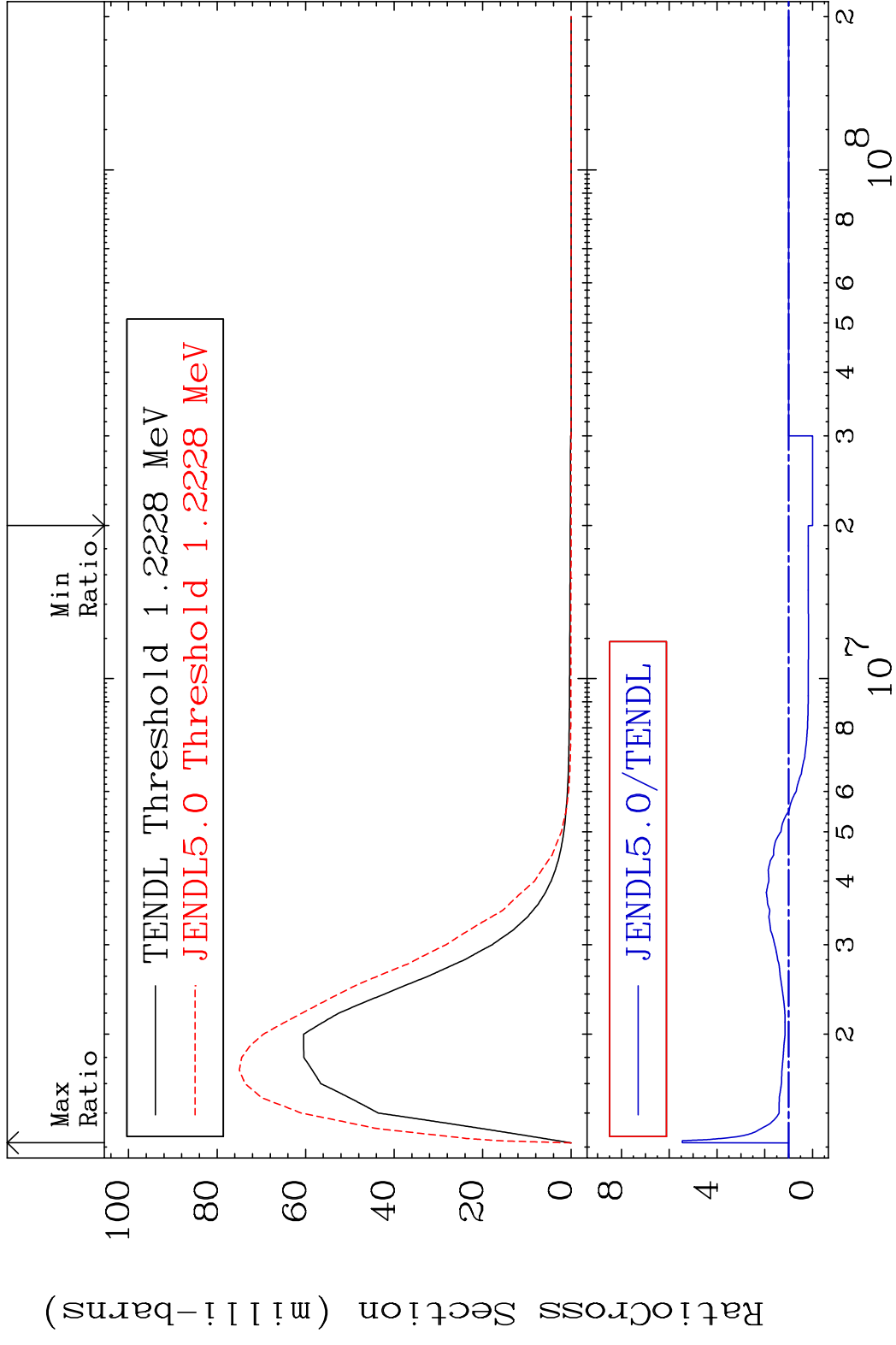
MAT 5640 MT= 63 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 161.3 %



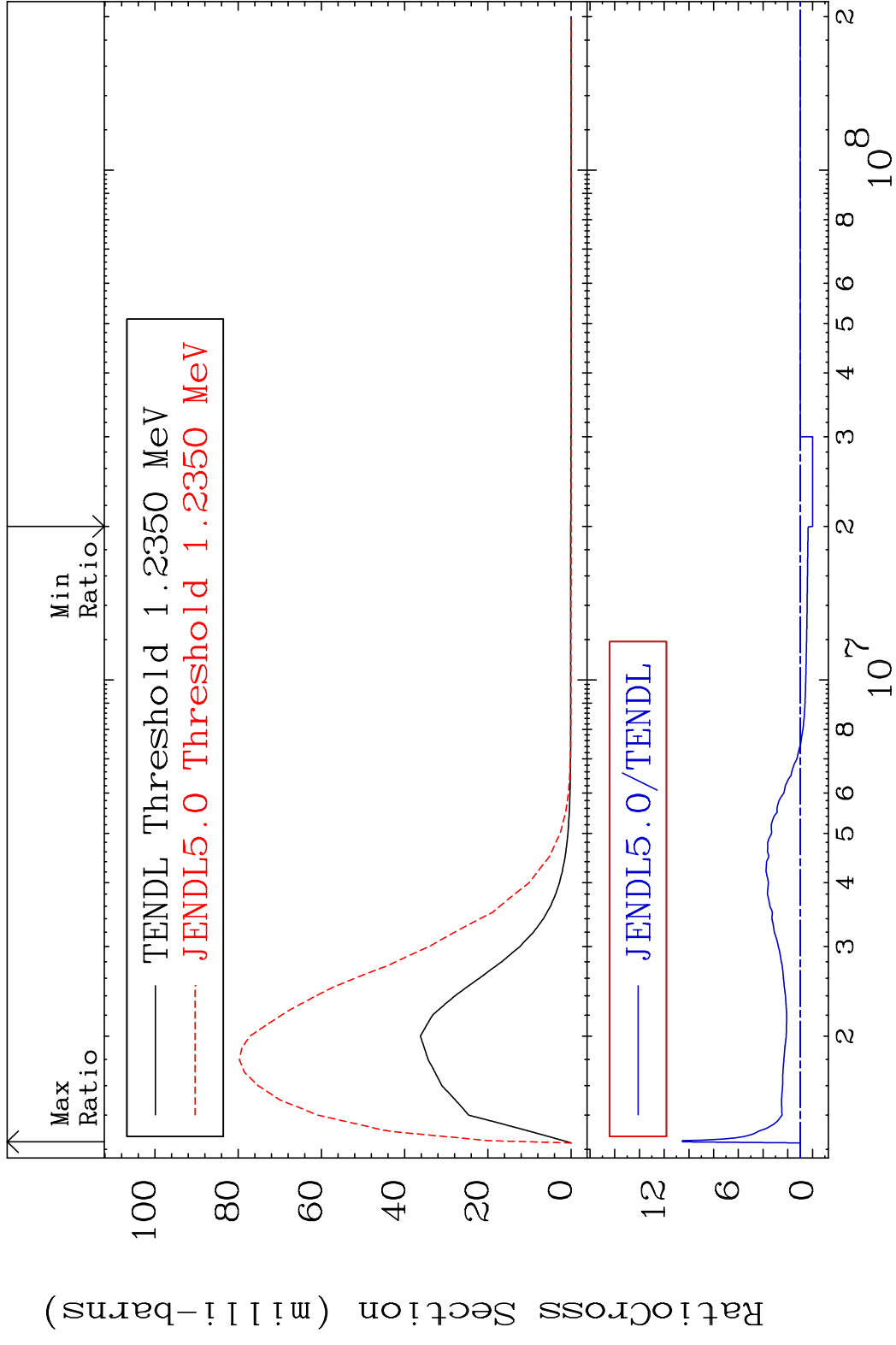
MAT 5640 MT= 64 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 608.8 %



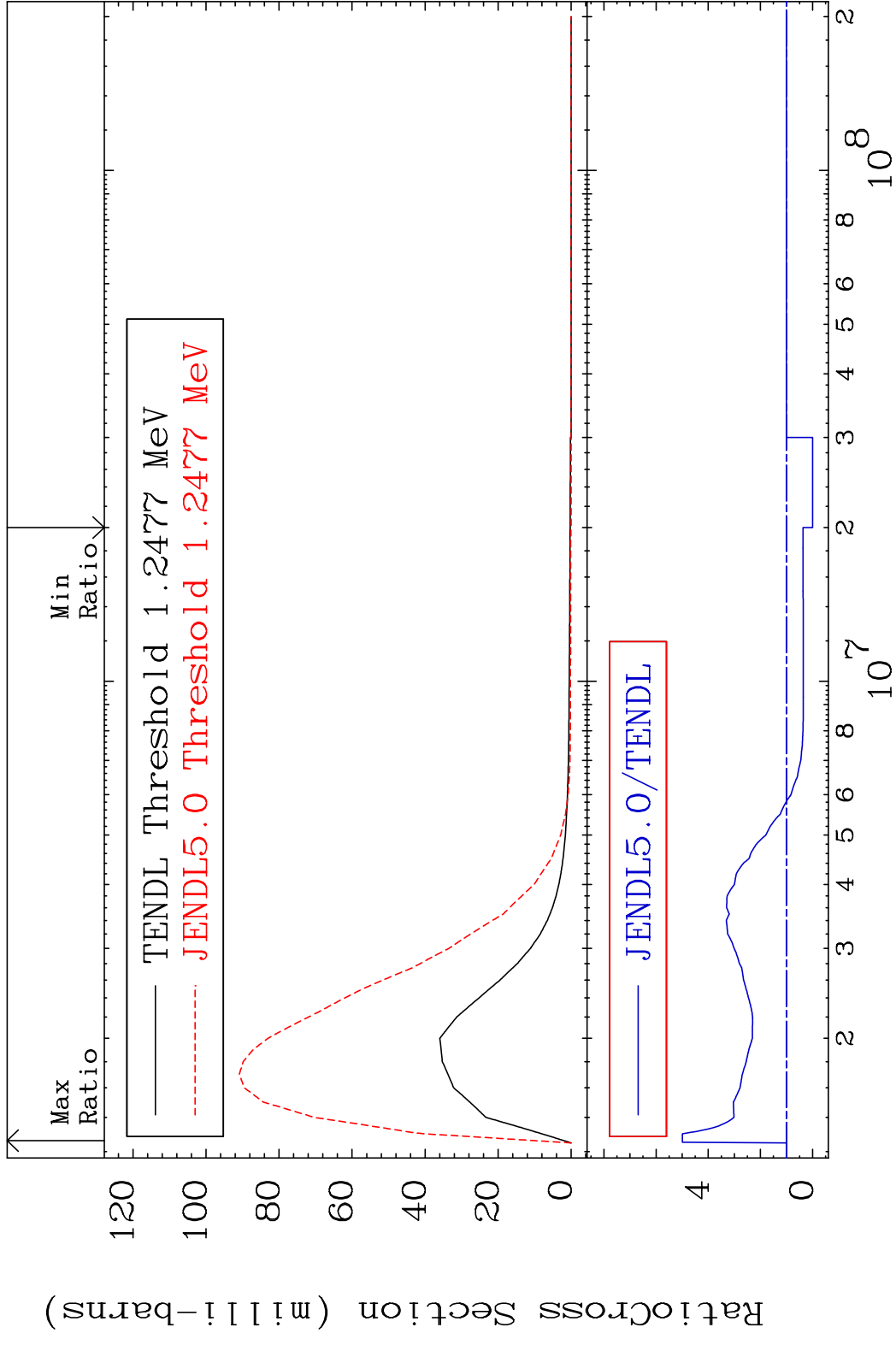
MAT 5640 MT= 65 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 445.1 %



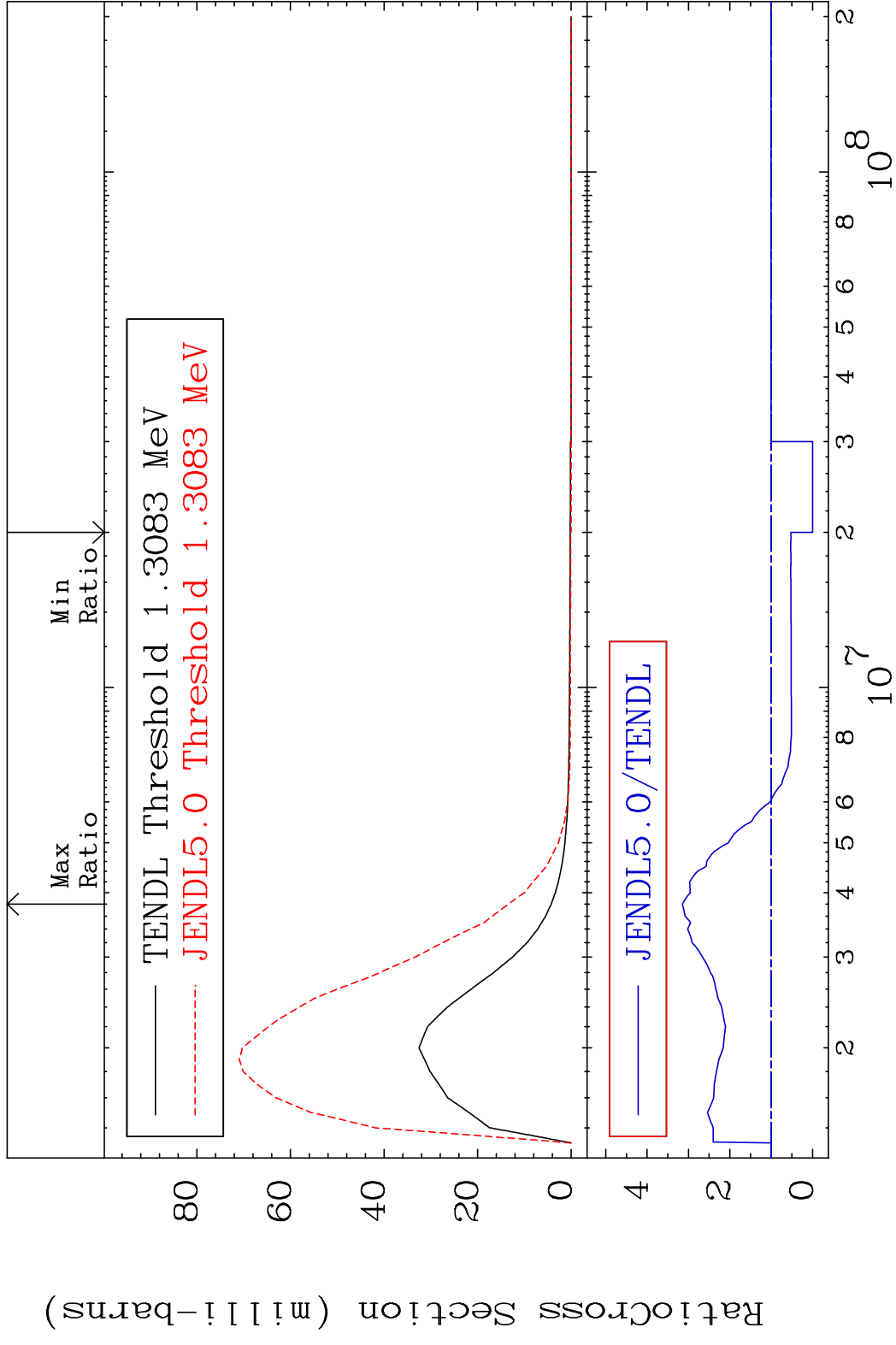
MAT 5640 MT= 66 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 953.1 %



MAT 5640 MT= 67 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 399.2 %



MAT 5640 MT= 68 (n, n') Level 56-Ba-135
 Cross Section -100.0 To 214.7 %

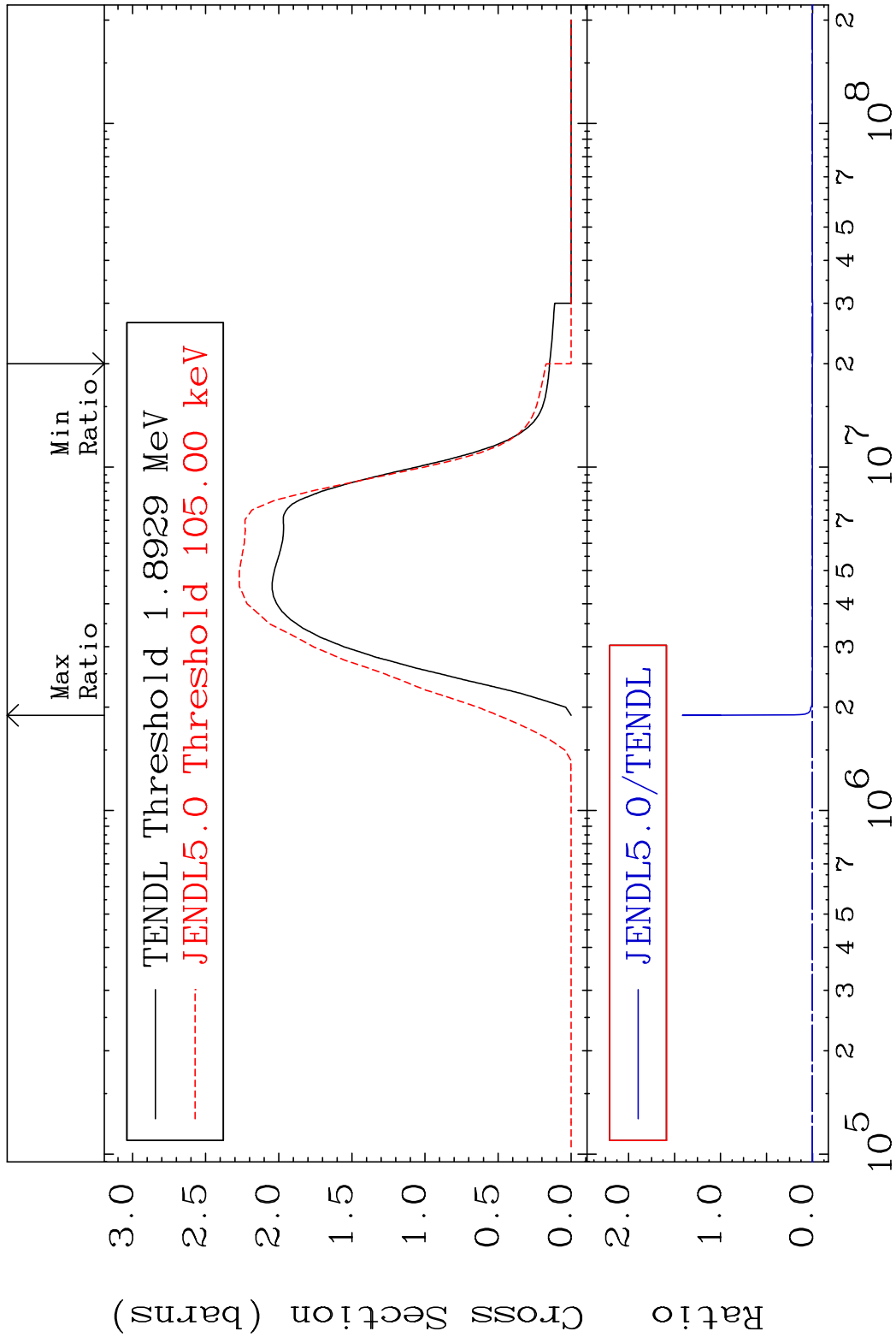


MAT 5640

(n, n') Continuum

56-Ba-135

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

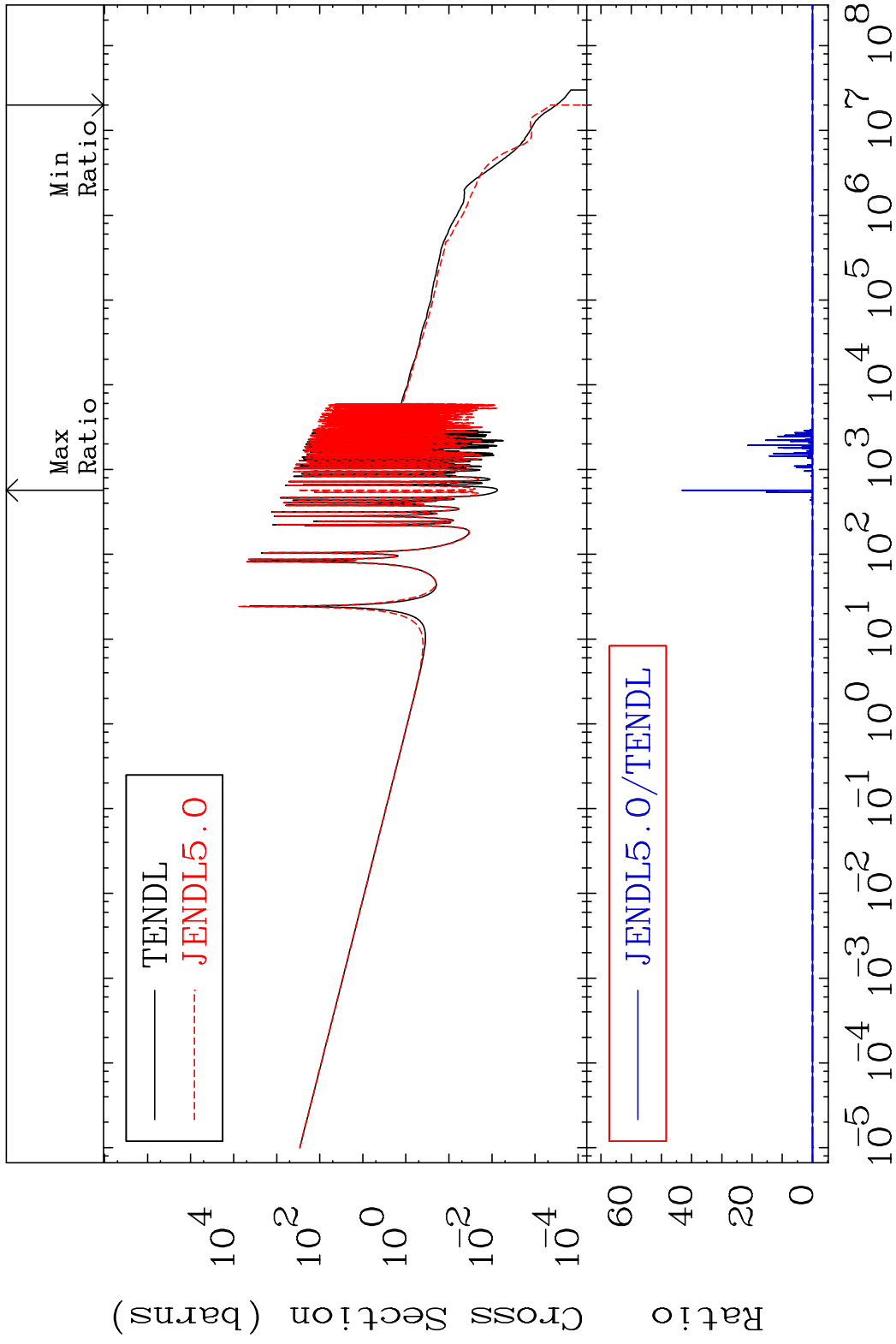
56-Ba-135

MAT 5640

(n, γ)

56-Ba-135

Cross Section -100.0 To 9999. %

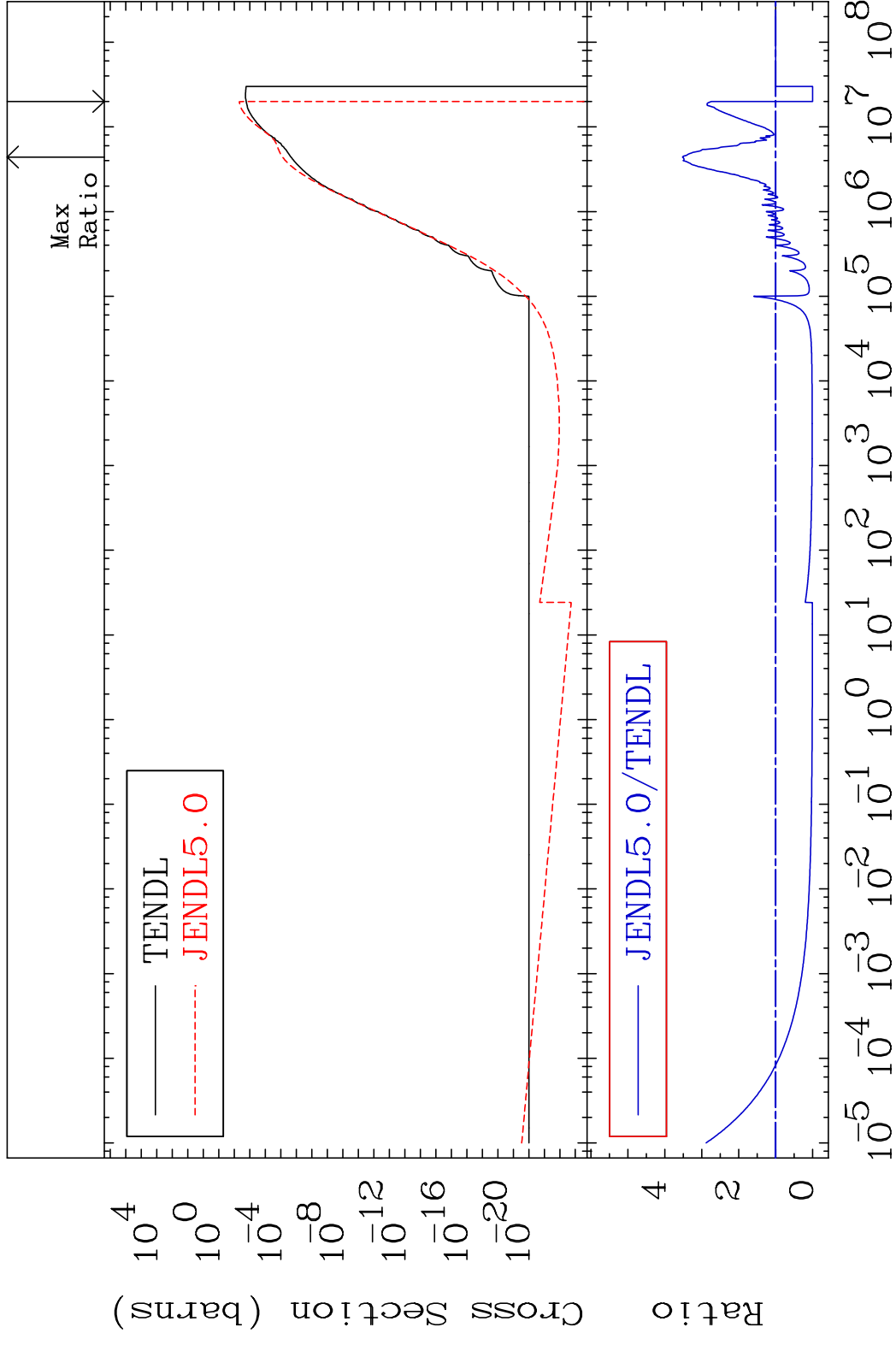


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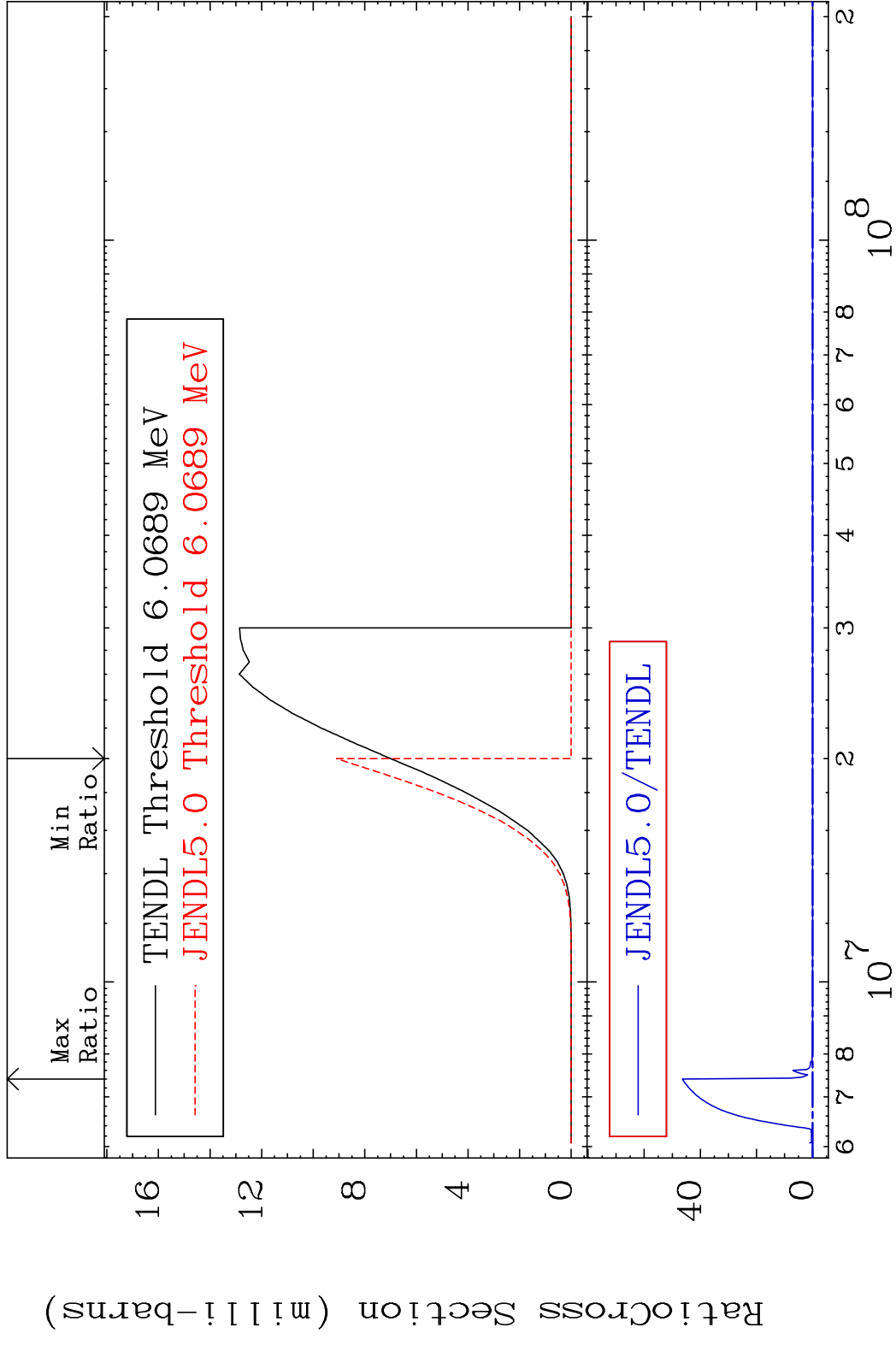
Incident Energy (eV)

56-Ba-135

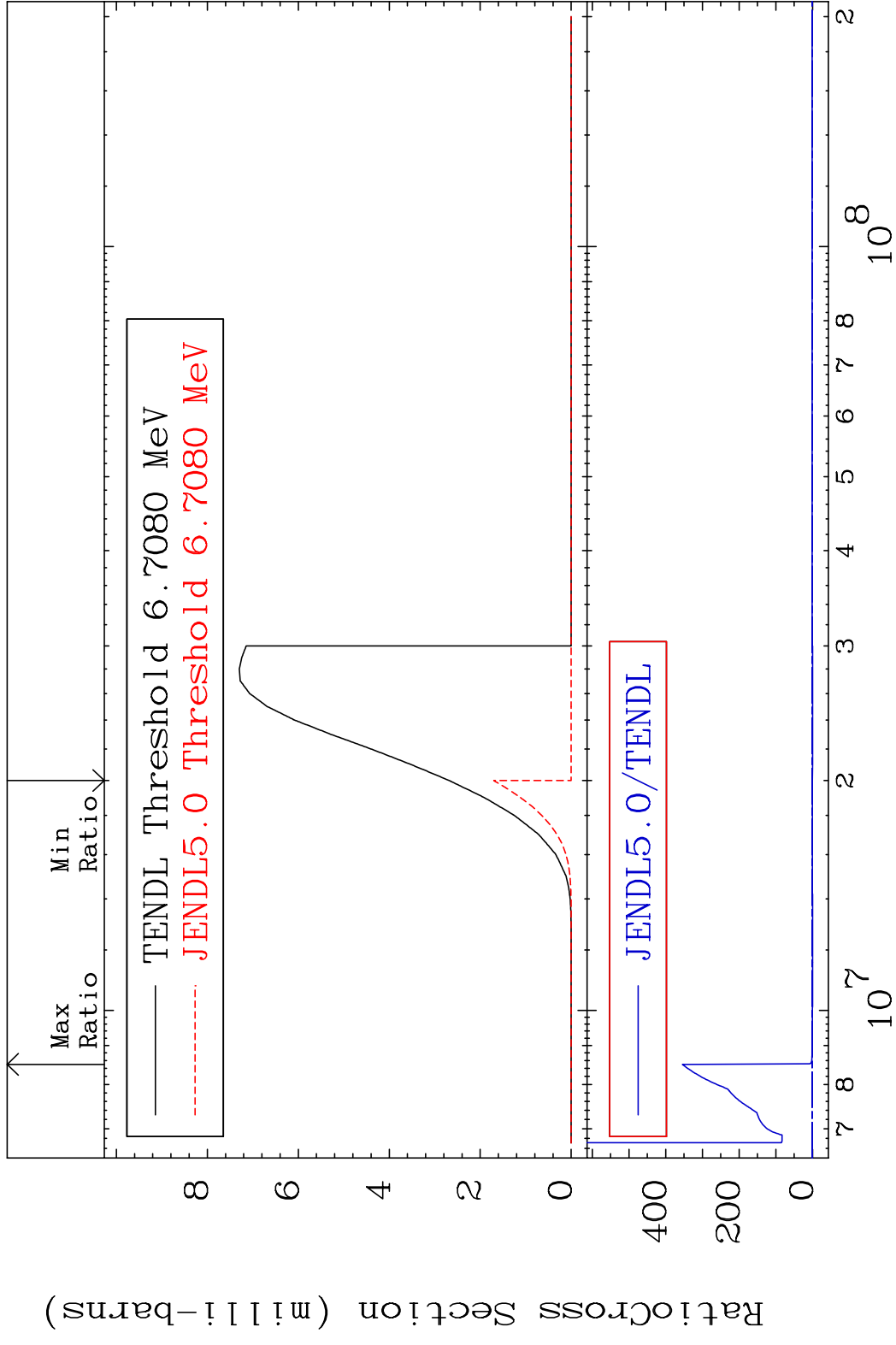
MAT 5640 (n,p) 56-Ba-135
 Cross Section -100.0 To 252.5 %



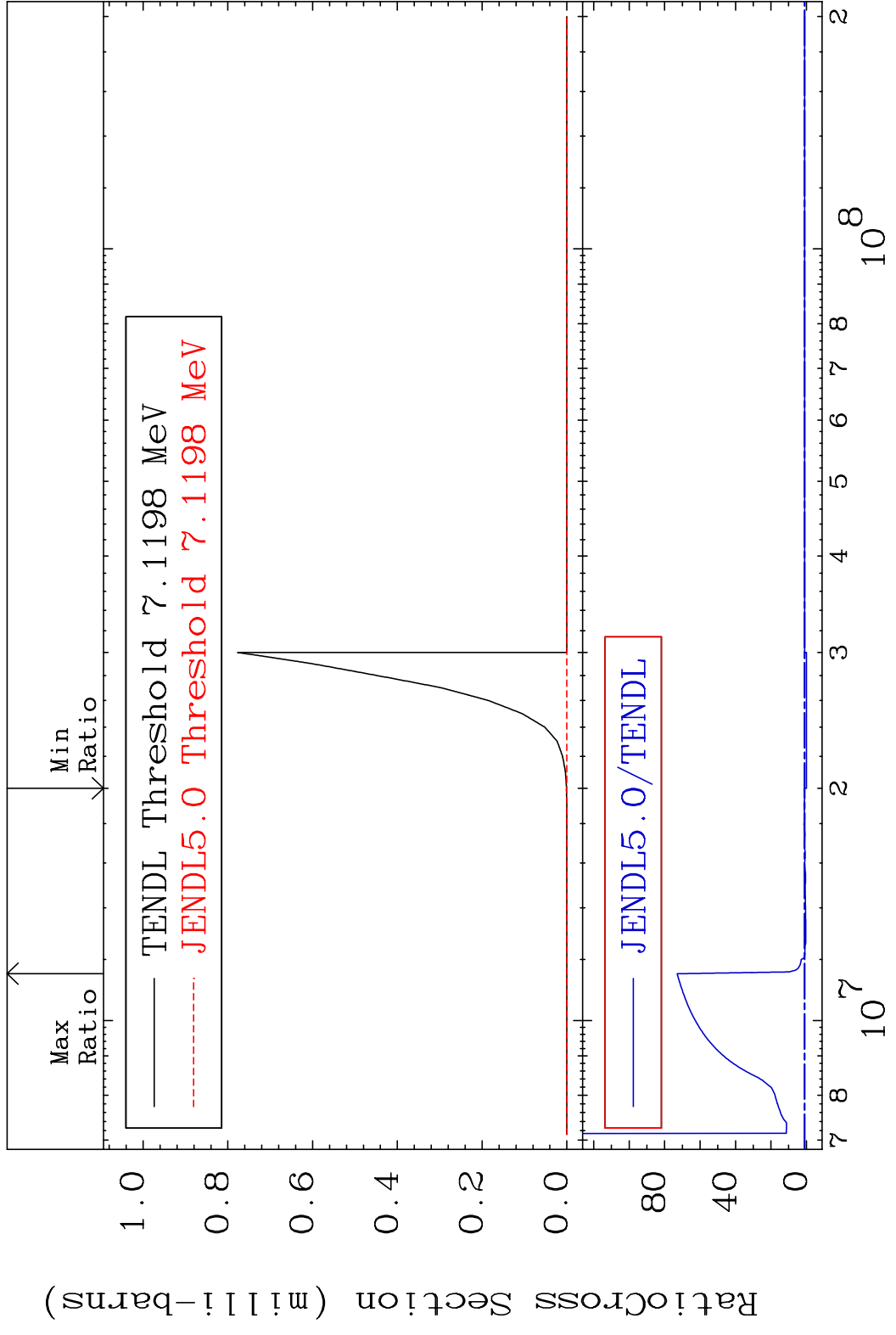
MAT 5640 (n,d) 56-Ba-135
 Cross Section -100.0 To 9999. %



MAT 5640 (n, t) 56-Ba-135
 Cross Section -100.0 To 9999. %



MAT 5640 (n, He-3) 56-Ba-135
 Cross Section -100.0 To 7192. %

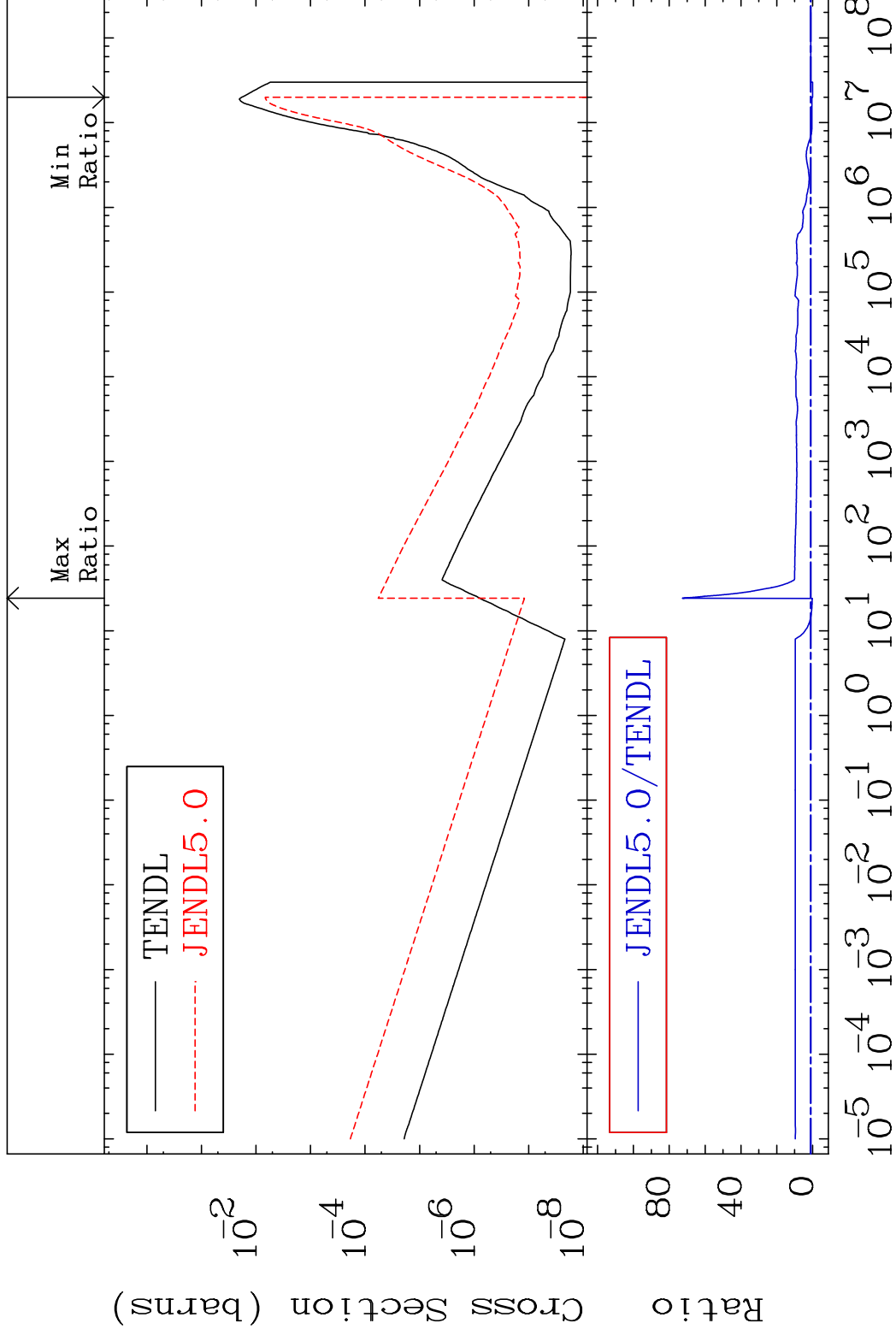


MAT 5640

(n, α)

56-Ba-135

Cross Section -100.0 To 7170. %



36

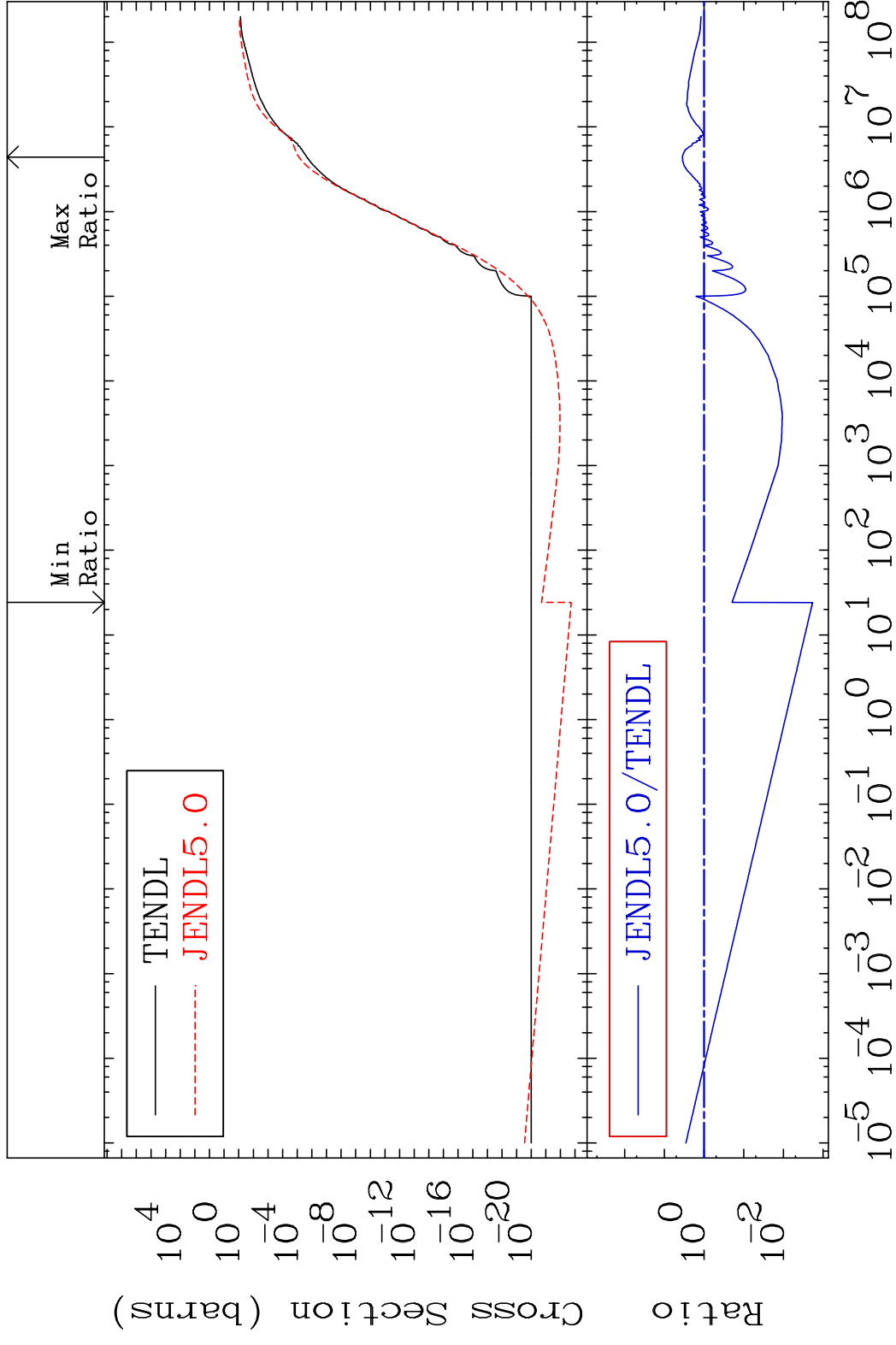
Incident Energy (eV)

56-Ba-135

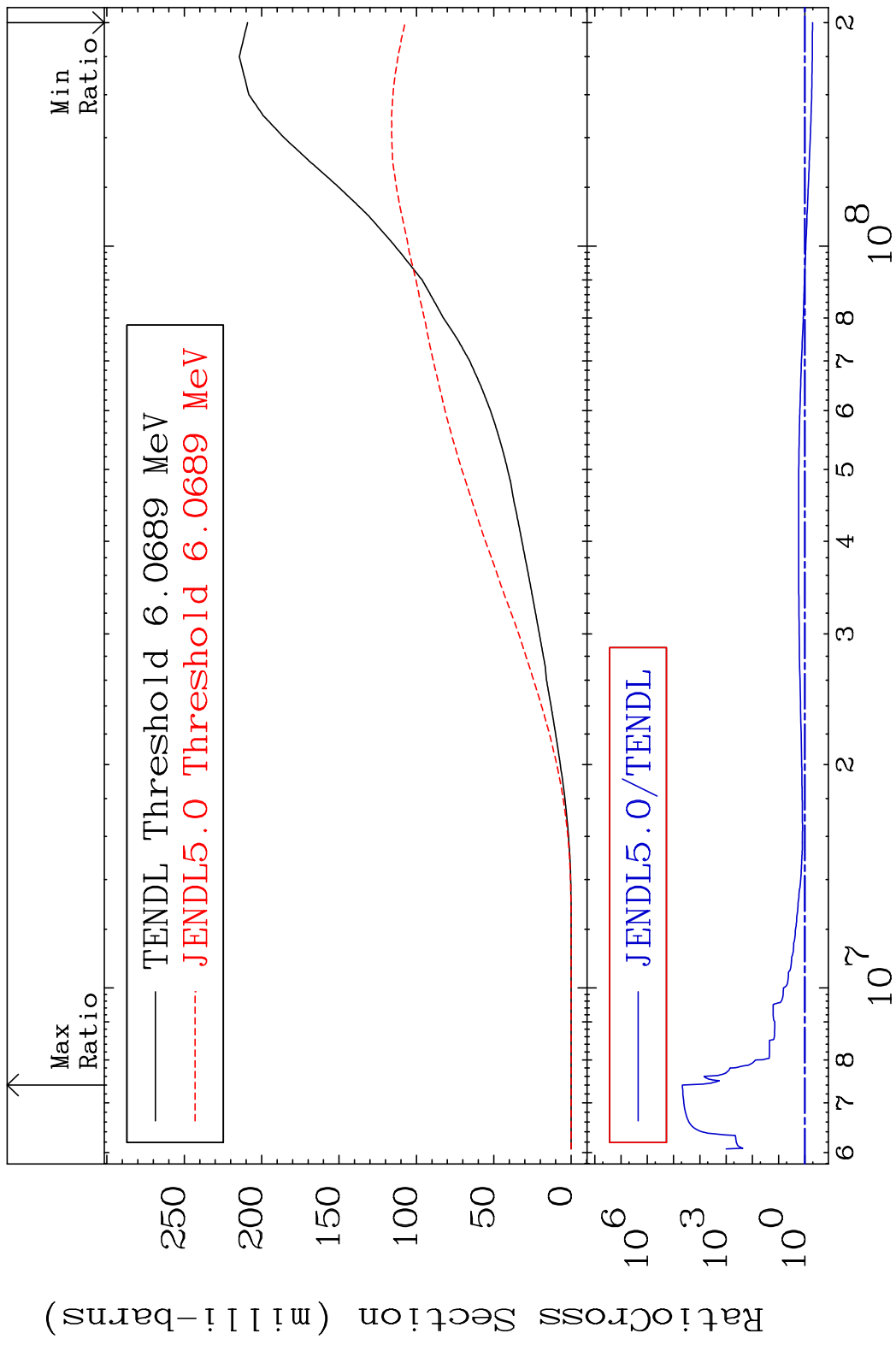
MAT 5640

Hydrogen Production
Cross Section -99.81 To 252.5 %

56-Ba-135



MAT 5640 Deuterium Production 56-Ba-135
 Cross Section -48.72 To 9999. %

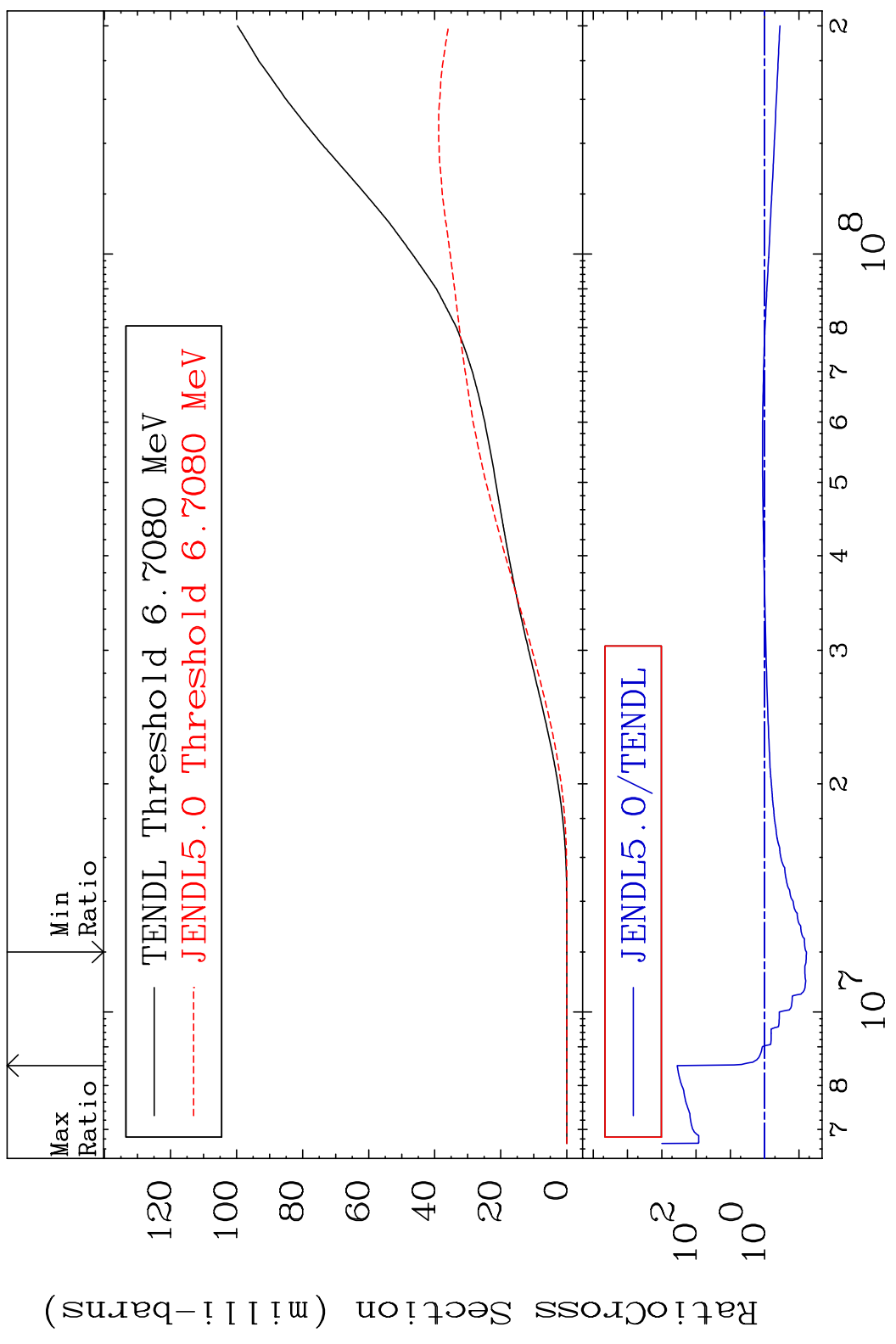


MAT 5640

Tritium Production

56-Ba-135

Cross Section -93.96 To 9999. %

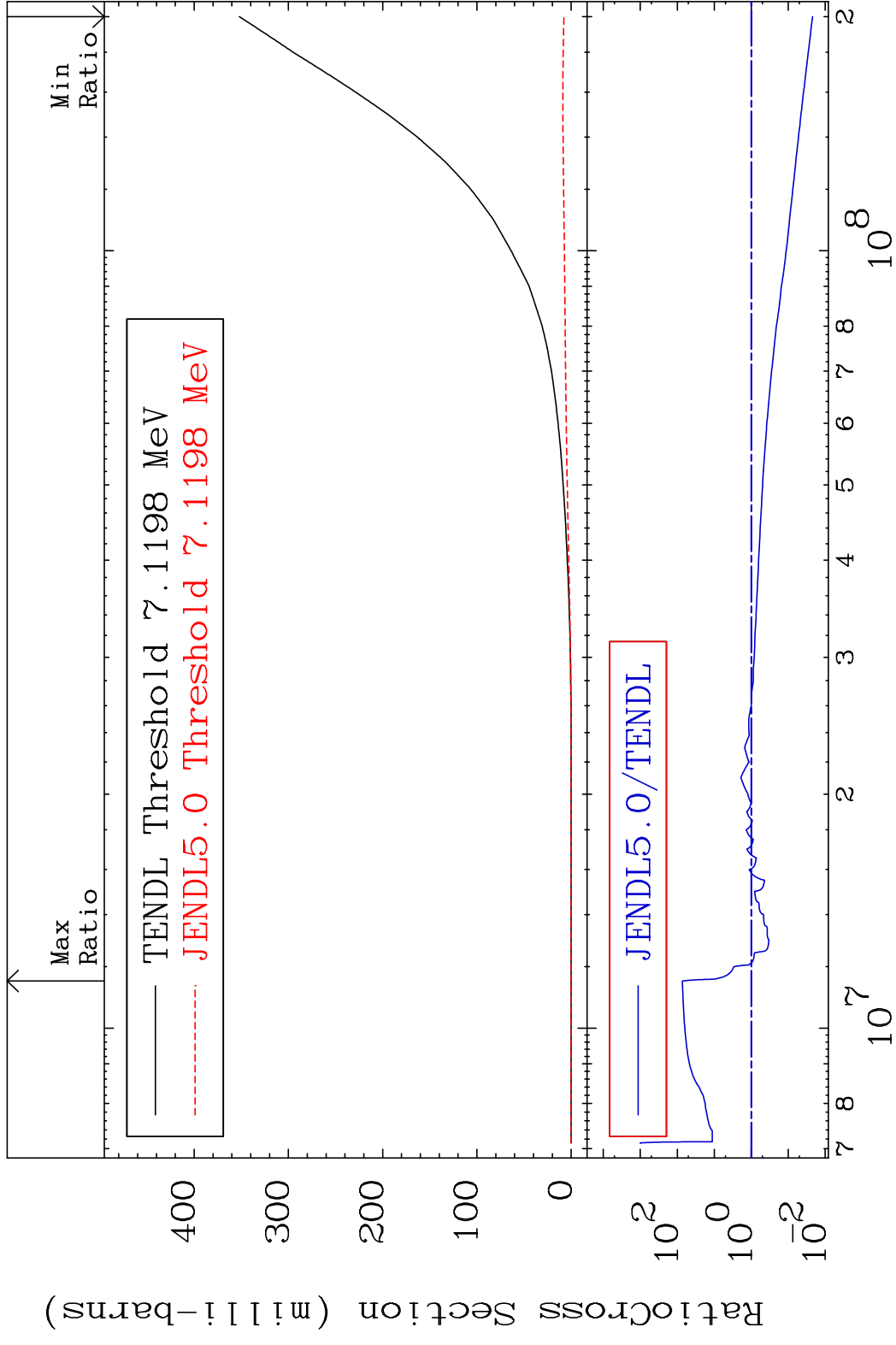


MAT 5640

He-3 Production

56-Ba-135

Cross Section -97.80 To 7192. %



40

Incident Energy (eV)

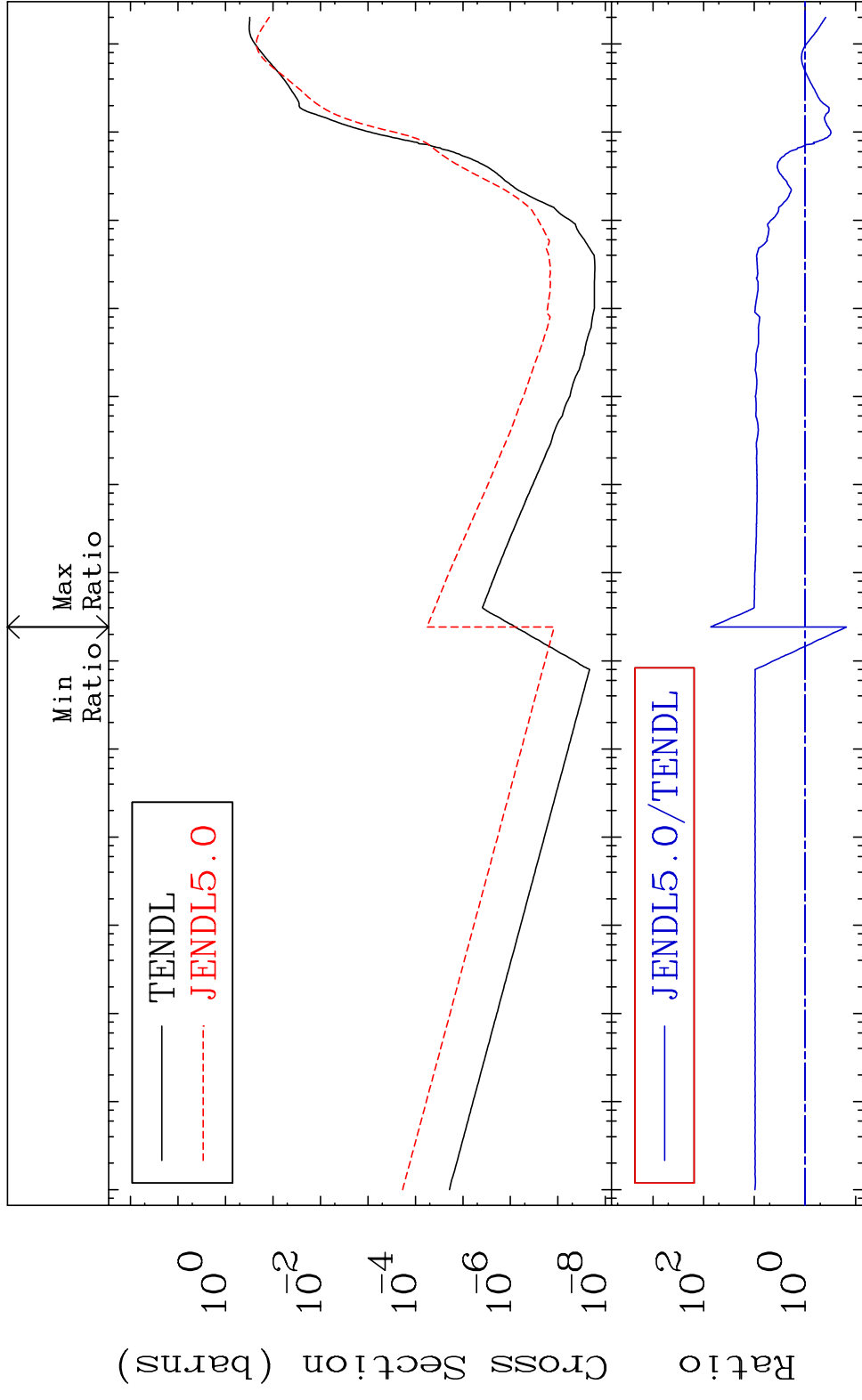
56-Ba-135

MAT 5640

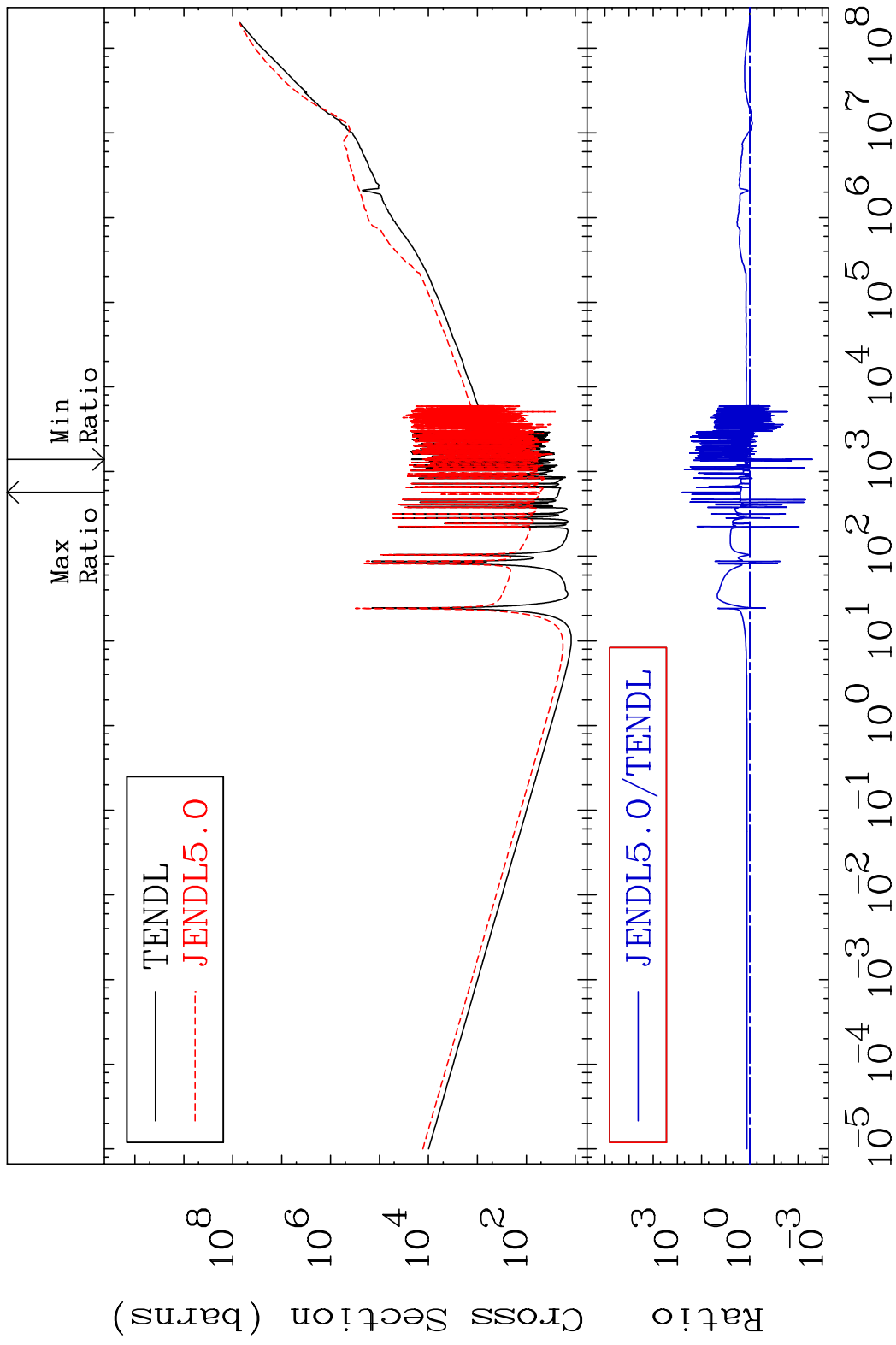
He-4 Production

56-Ba-135

Cross Section -84.77 To 7170. %



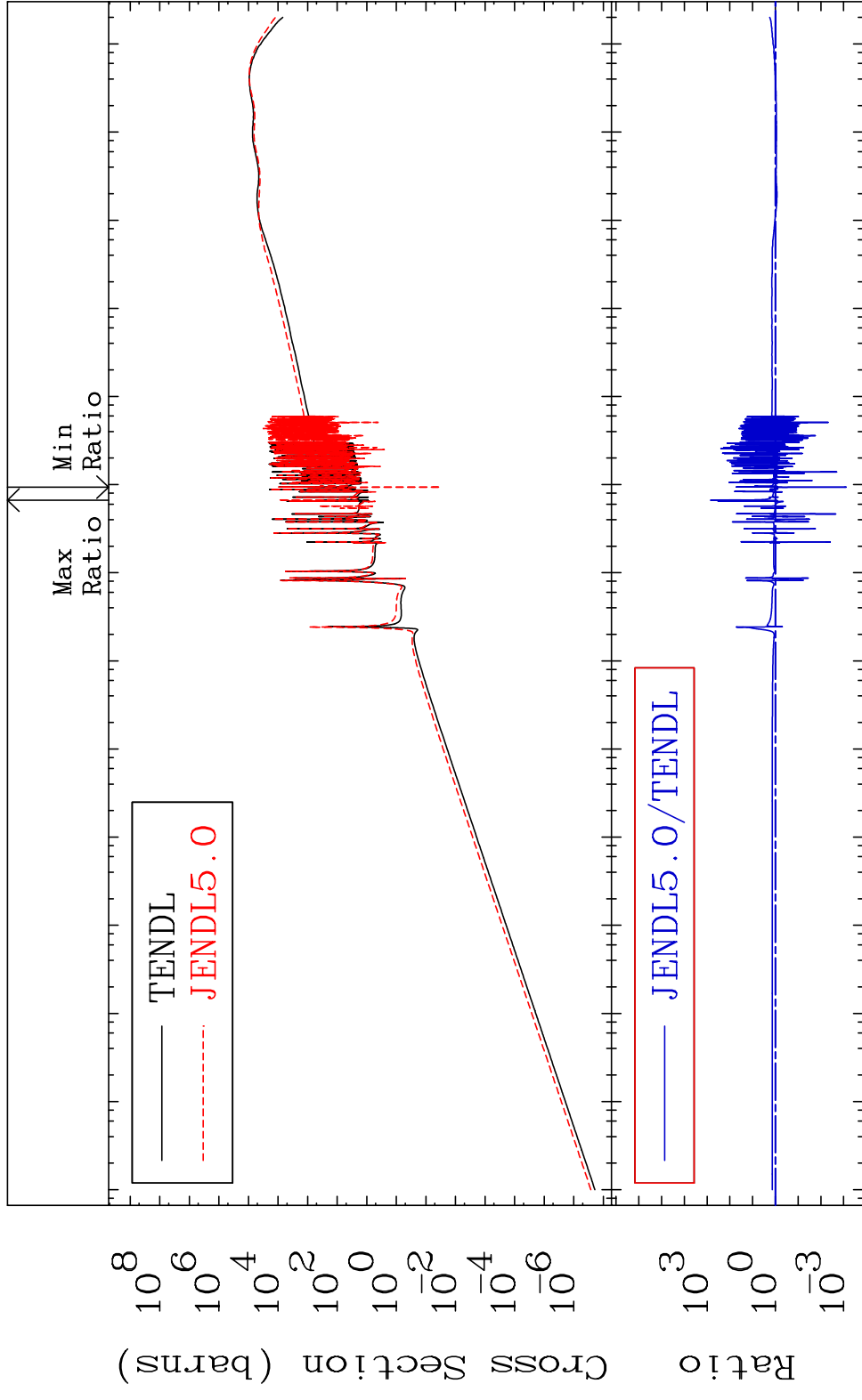
MAT 5640 Kerma total (eV-barns) 56-Ba-135
Cross Section -99.75 To 9999. %



MAT 5640

Kerma elastic
Cross Section

56-Ba-135
-99.92 To 9999. %

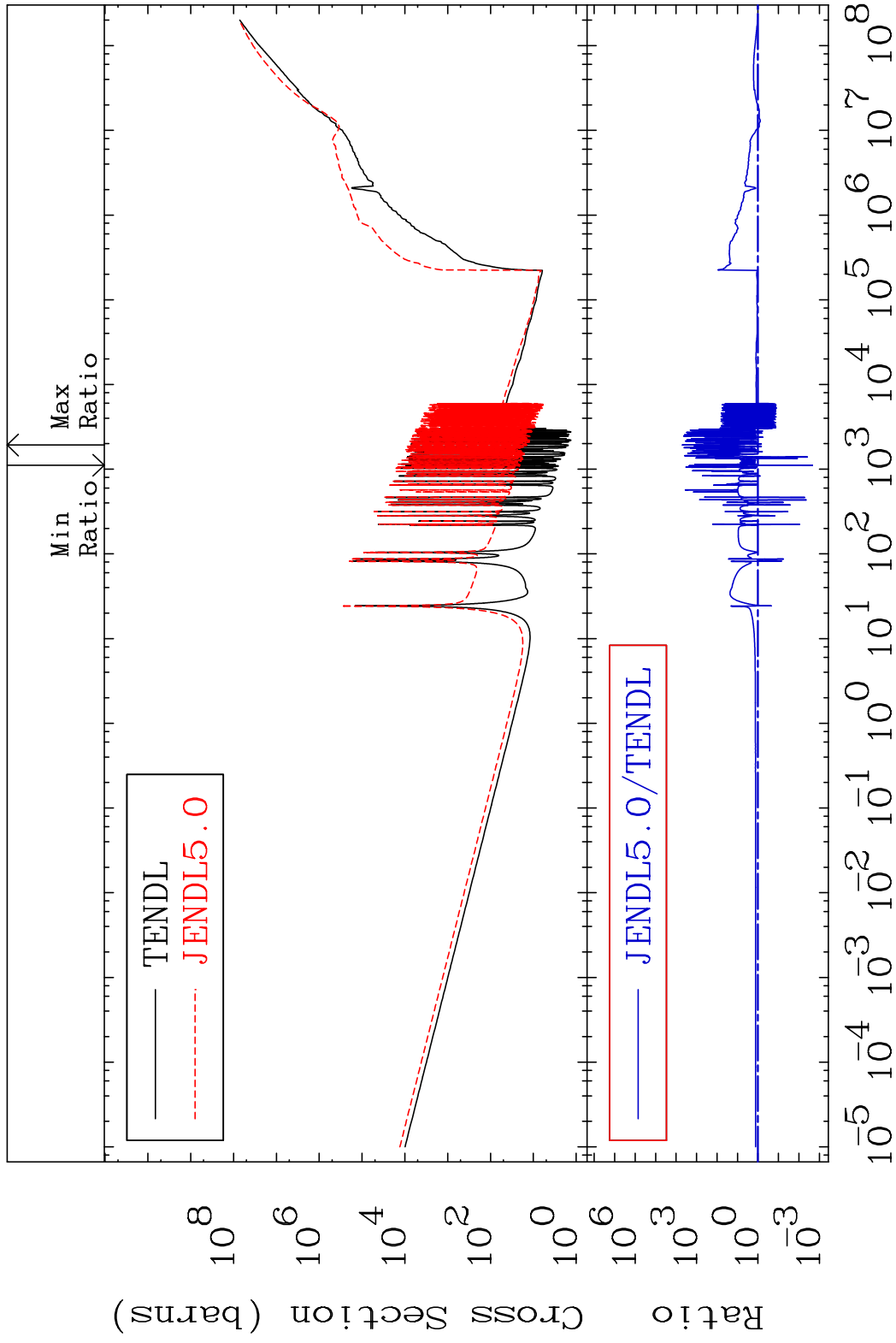


43

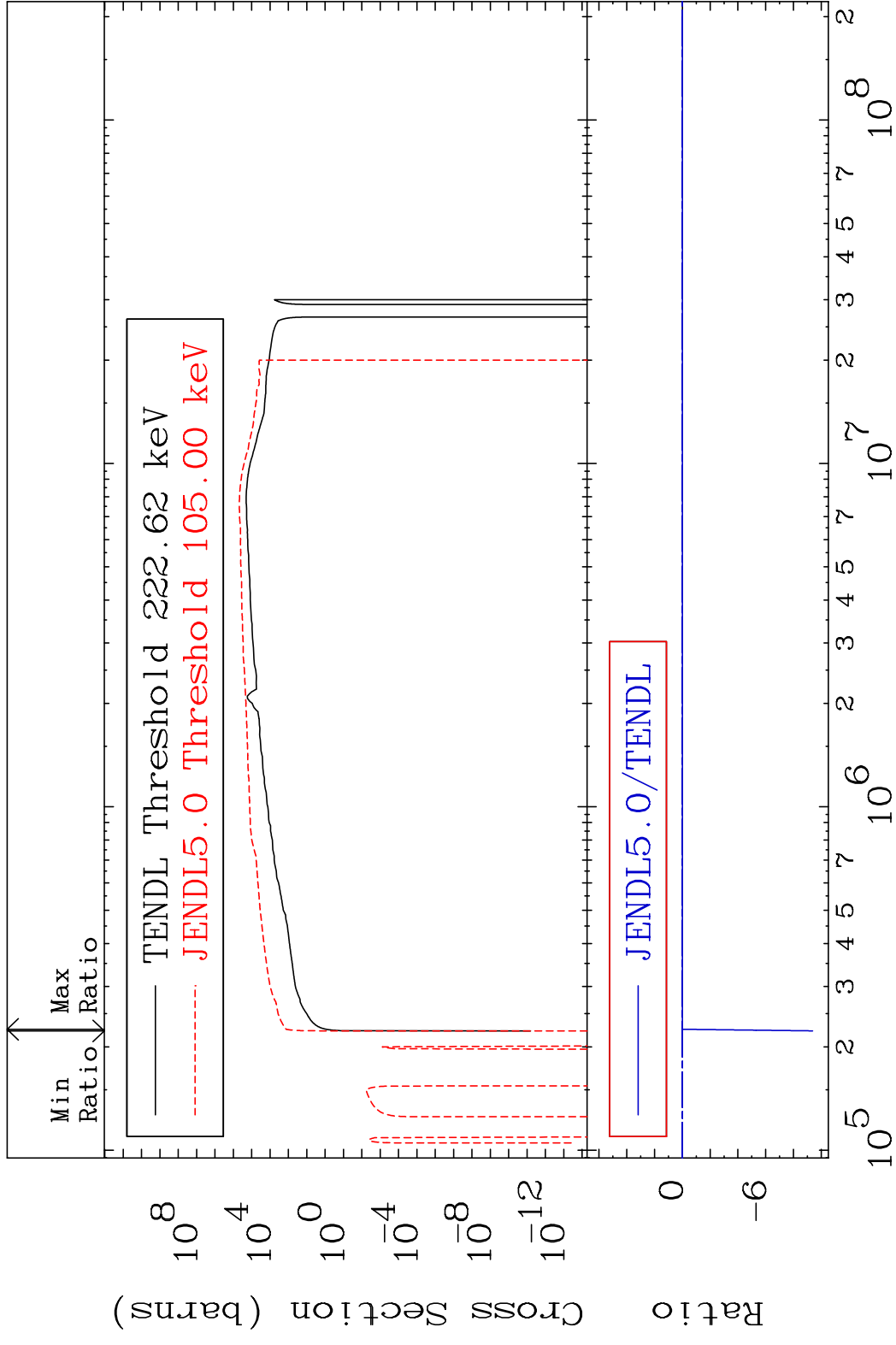
Incident Energy (eV)

56-Ba-135

MAT 5640 Kerma non-elastic (all but mt2) 56-Ba-135
 Cross Section -99.78 To 9999. %

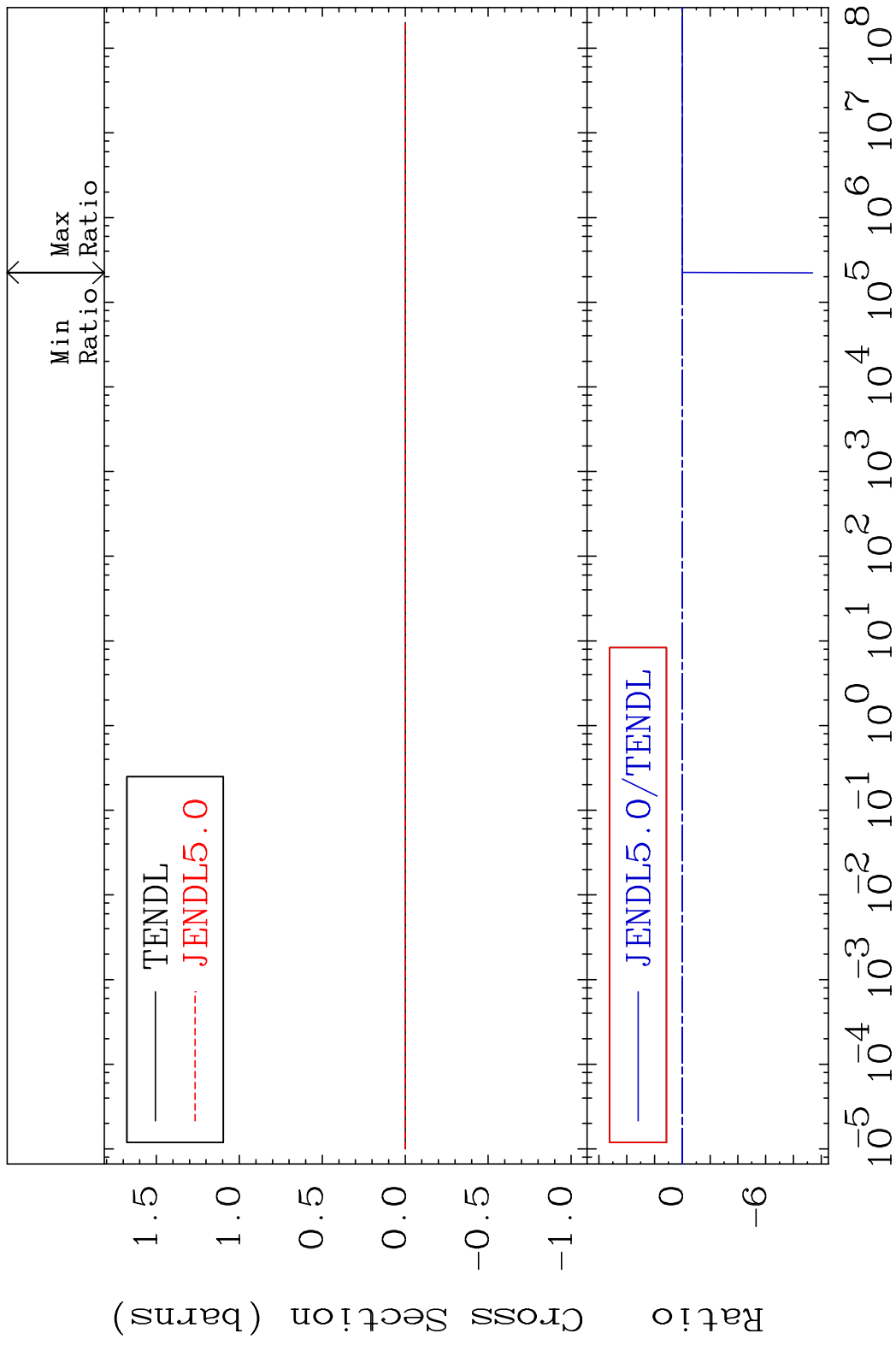


MAT 5640 Kerma inelastic (mt51-91) 56-Ba-135
 Cross Section -9999. To 9999. %



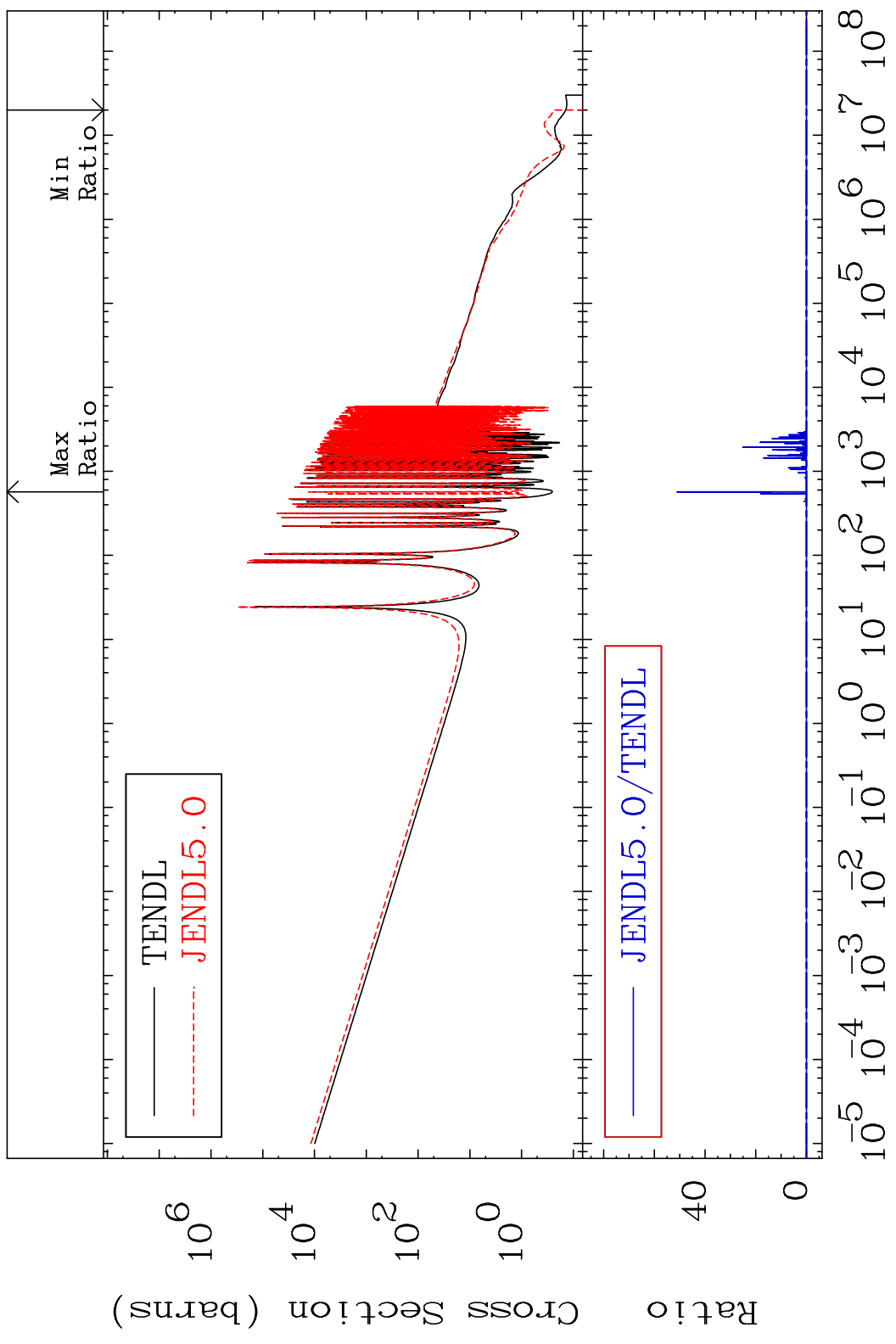
45 Incident Energy (eV) 56-Ba-135

MAT 5640 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-135
 Cross Section -9999. To 9999. %



MAT 5640

Kerma capture (mt102) 56-Ba-135
Cross Section -100.0 To 9999. %

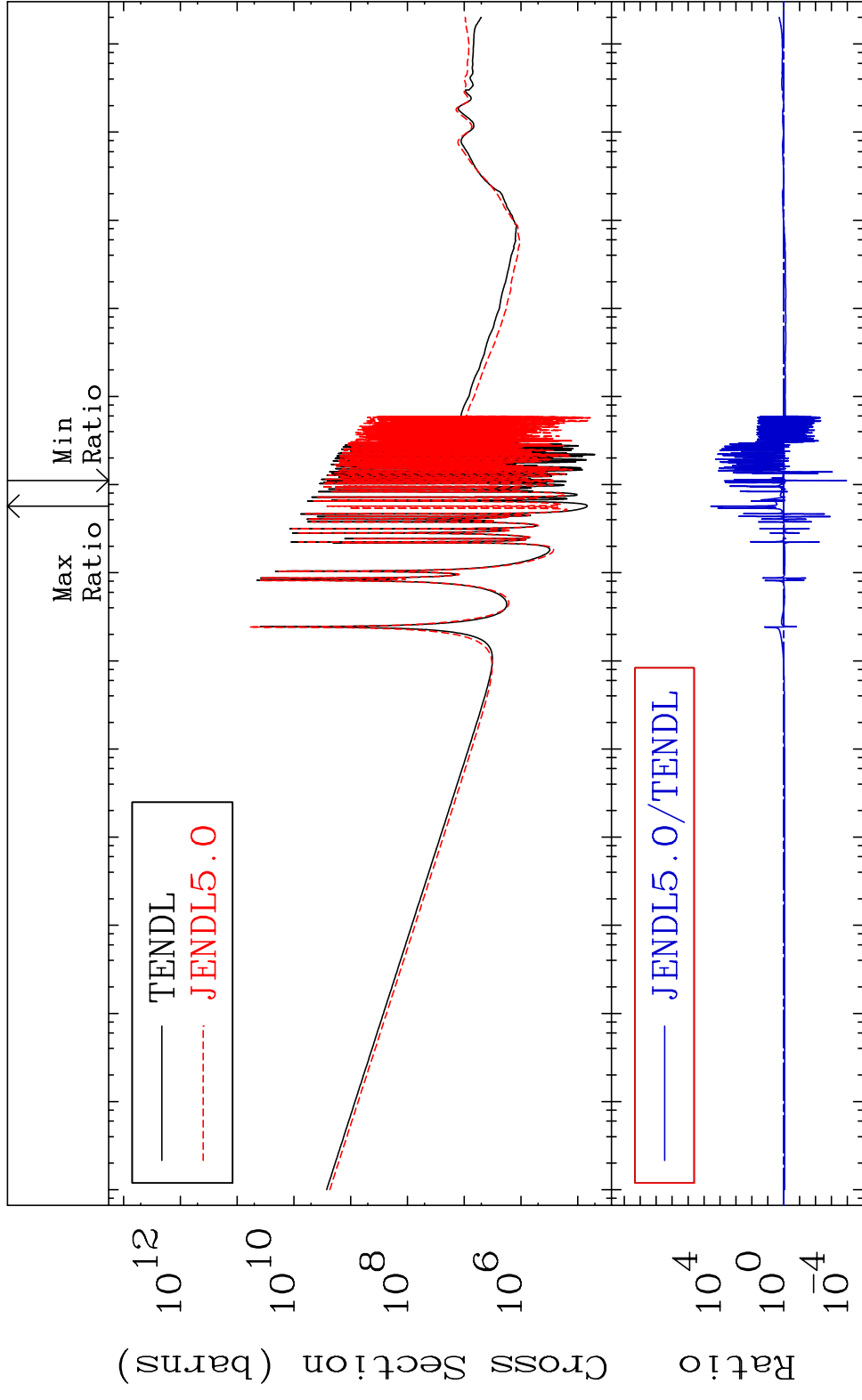


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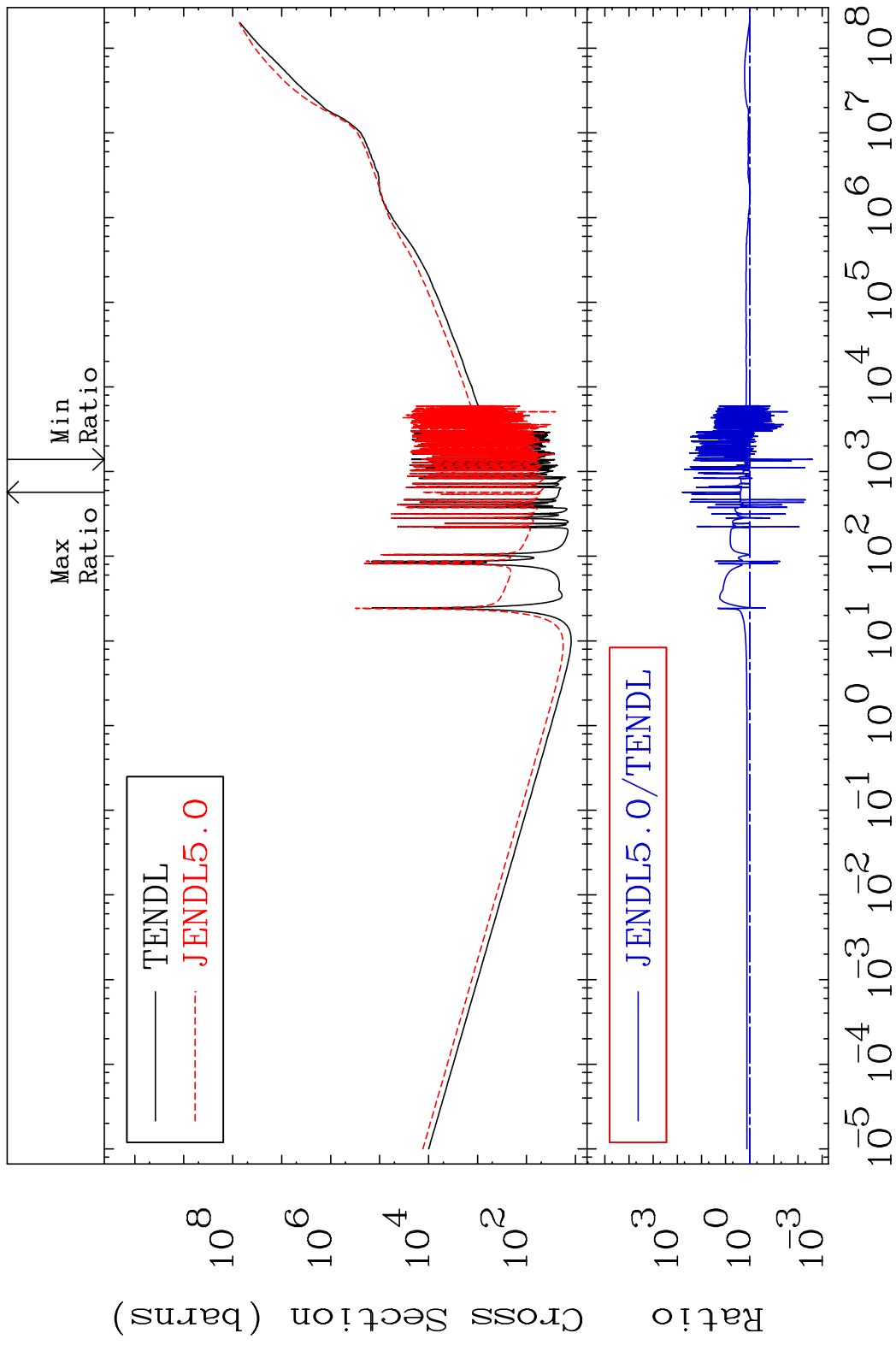
Incident Energy (eV)

56-Ba-135

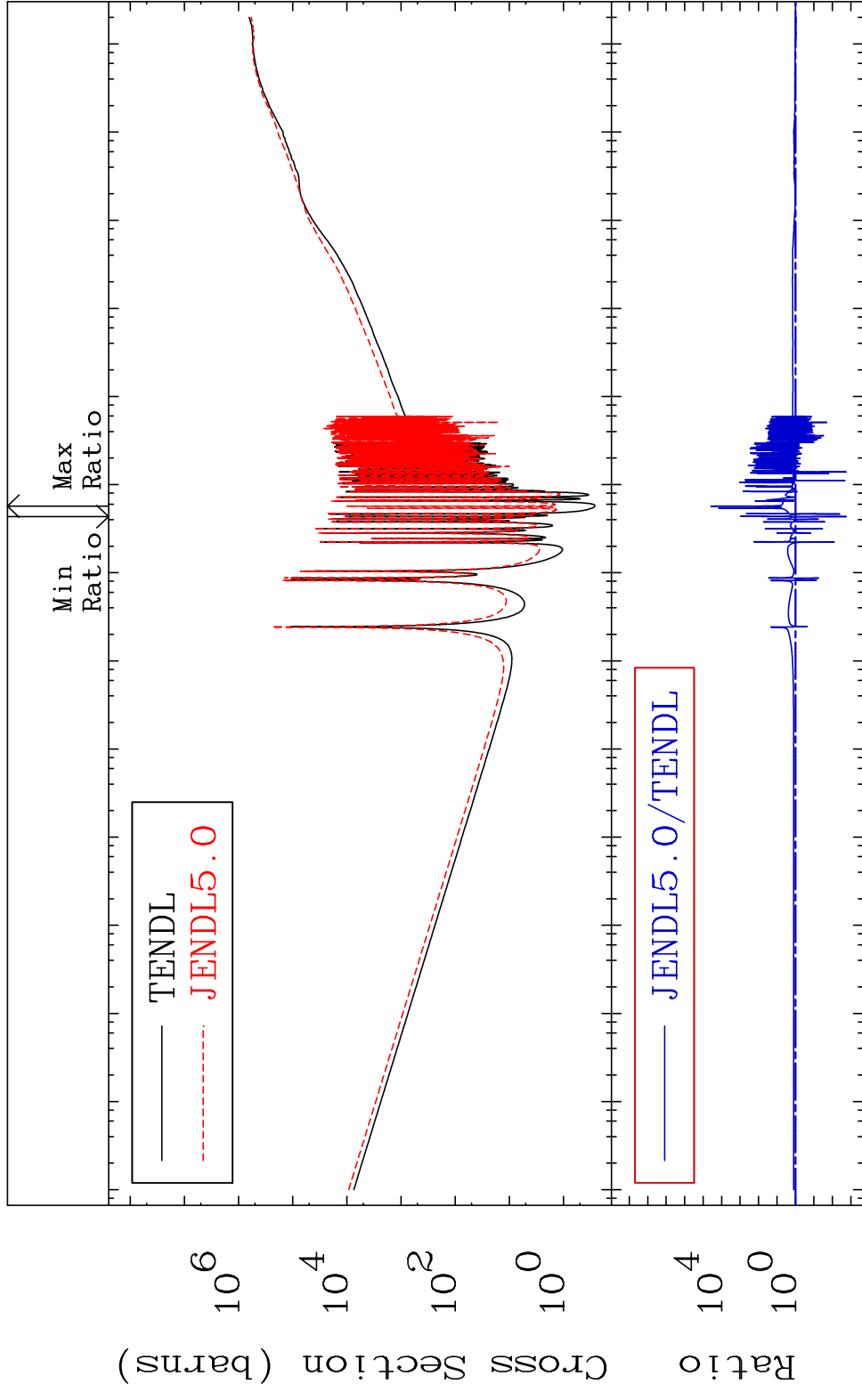
MAT 5640 Total photon (eV-barns) 56-Ba-135
Cross Section -99.99 To 9999. %



MAT 5640 Total kinematic kerma (high limit) 56-Ba-135
Cross Section -99.75 To 9999. %



MAT 5640 Dpa total (eV-barns) 56-Ba-135
 Cross Section -99.82 To 9999. %

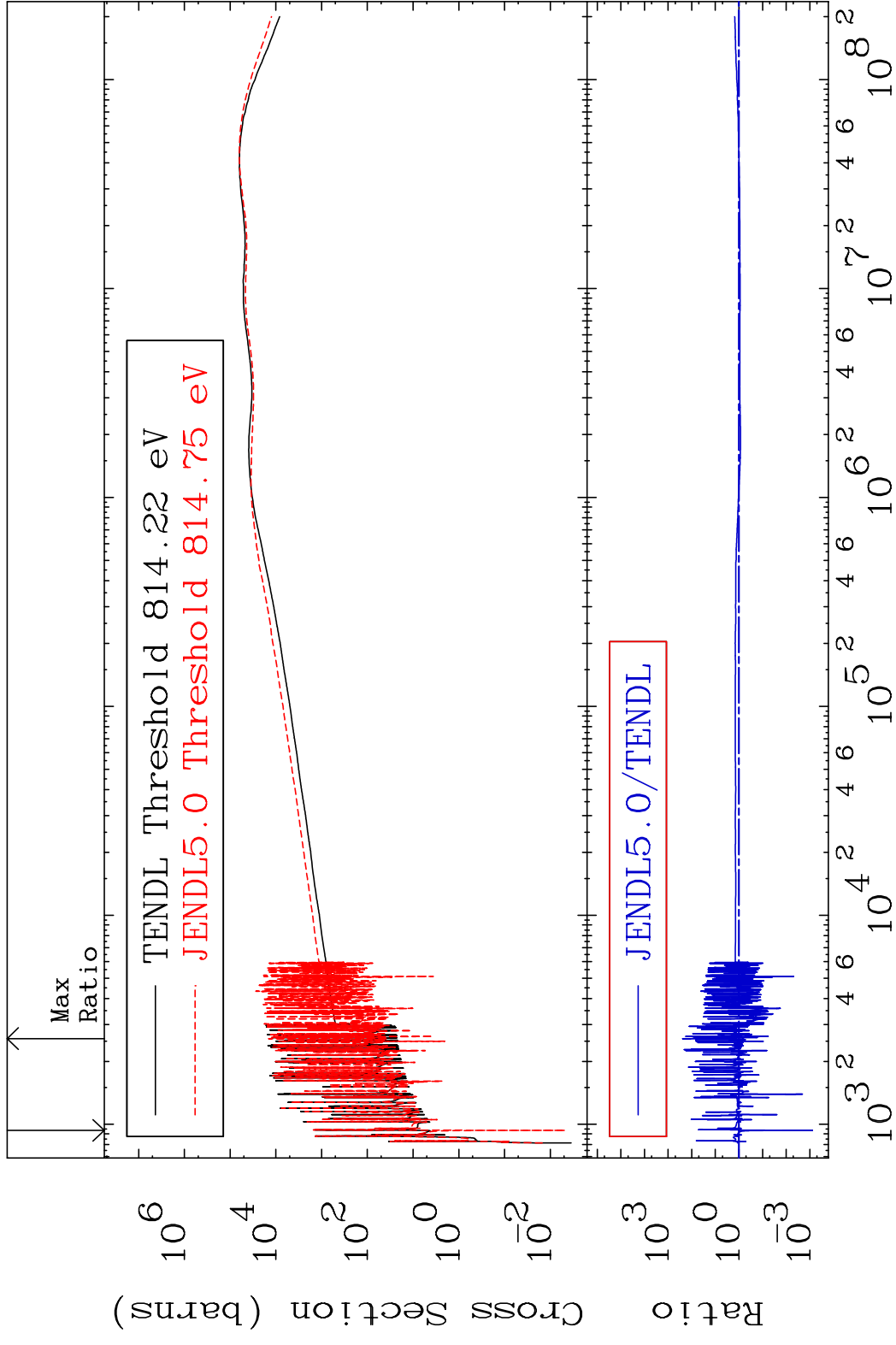


MAT 5640

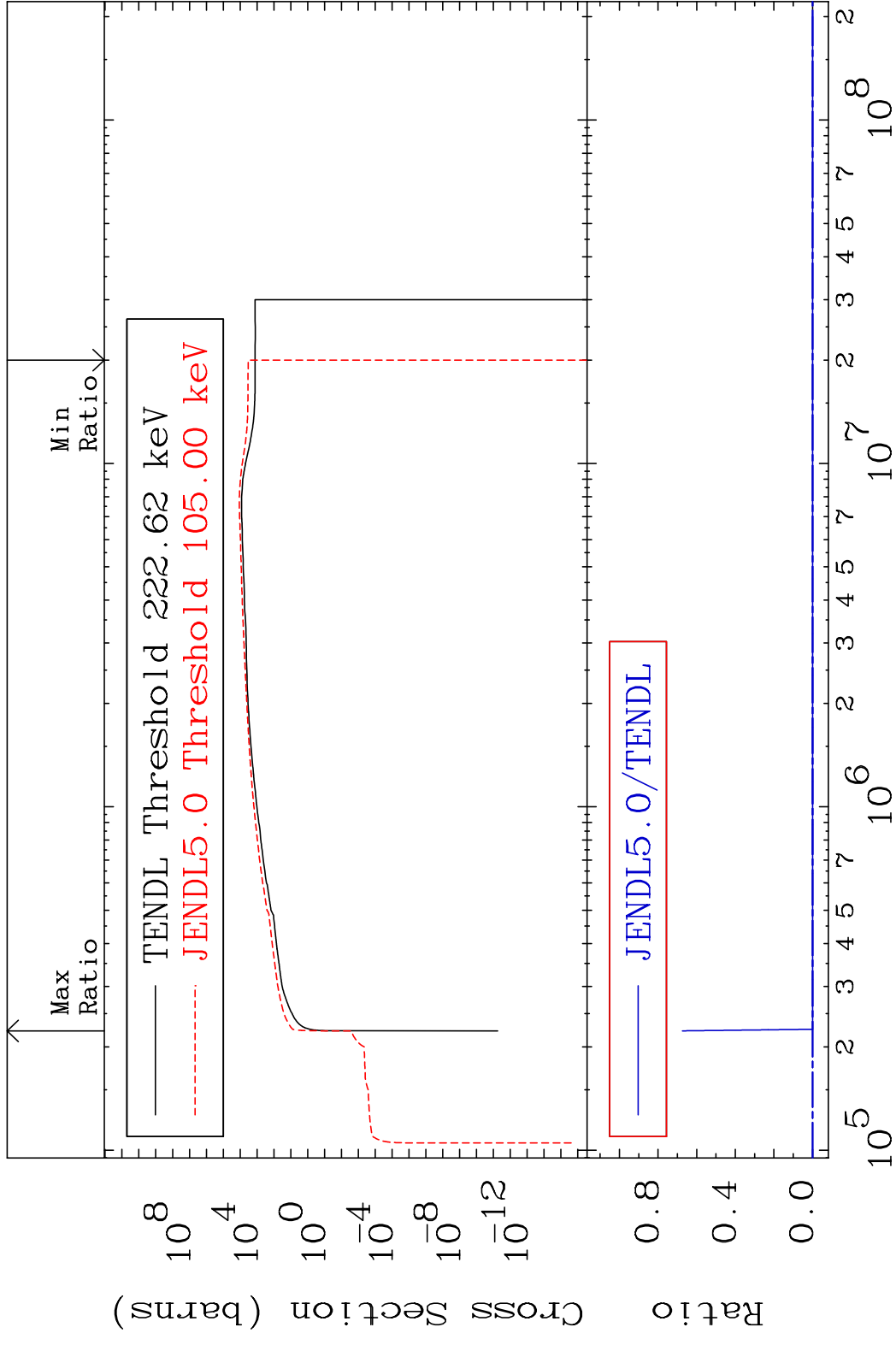
Dpa elastic (mt2)

56-Ba-135

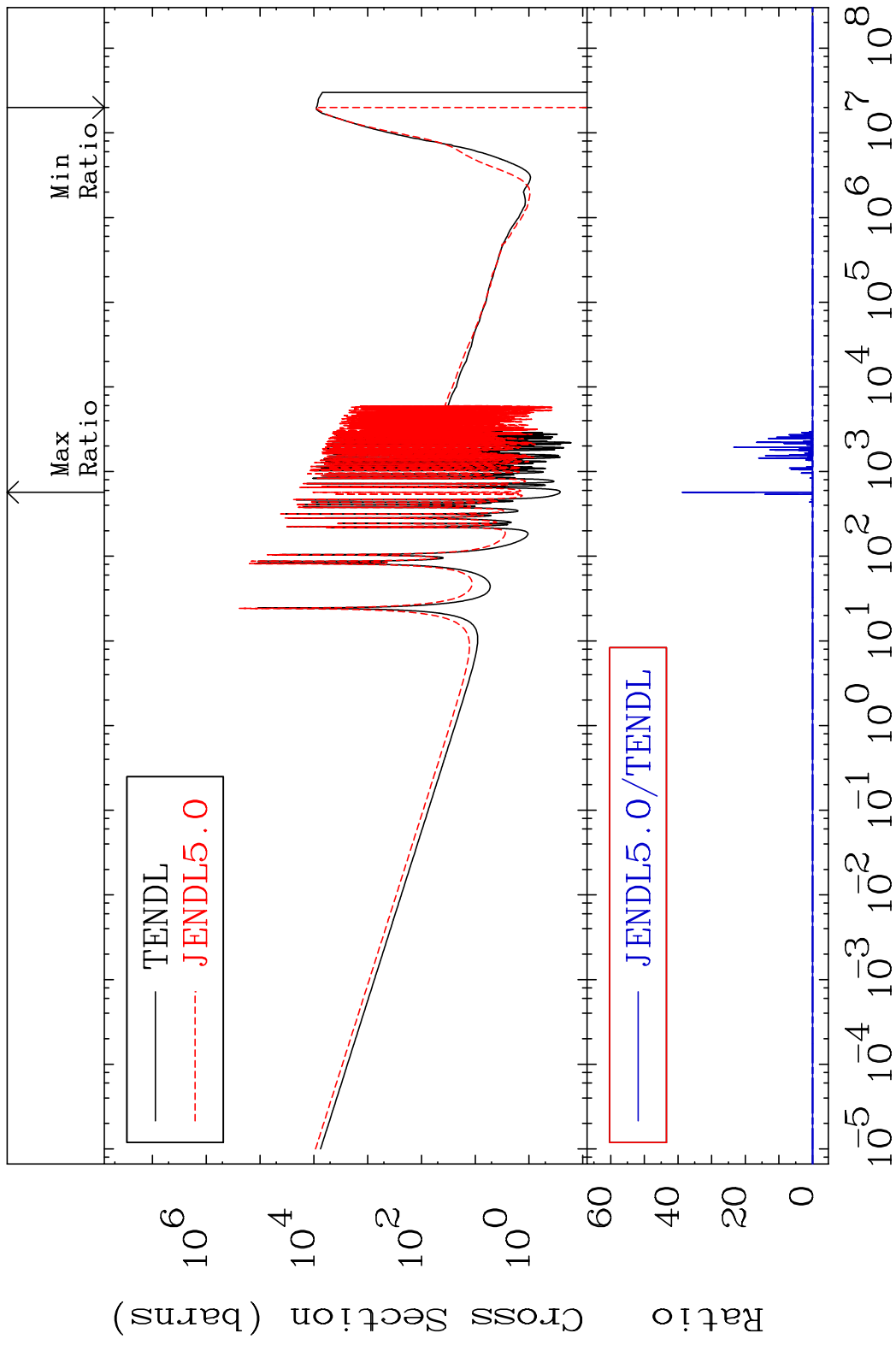
Cross Section -99.92 To 9999. %

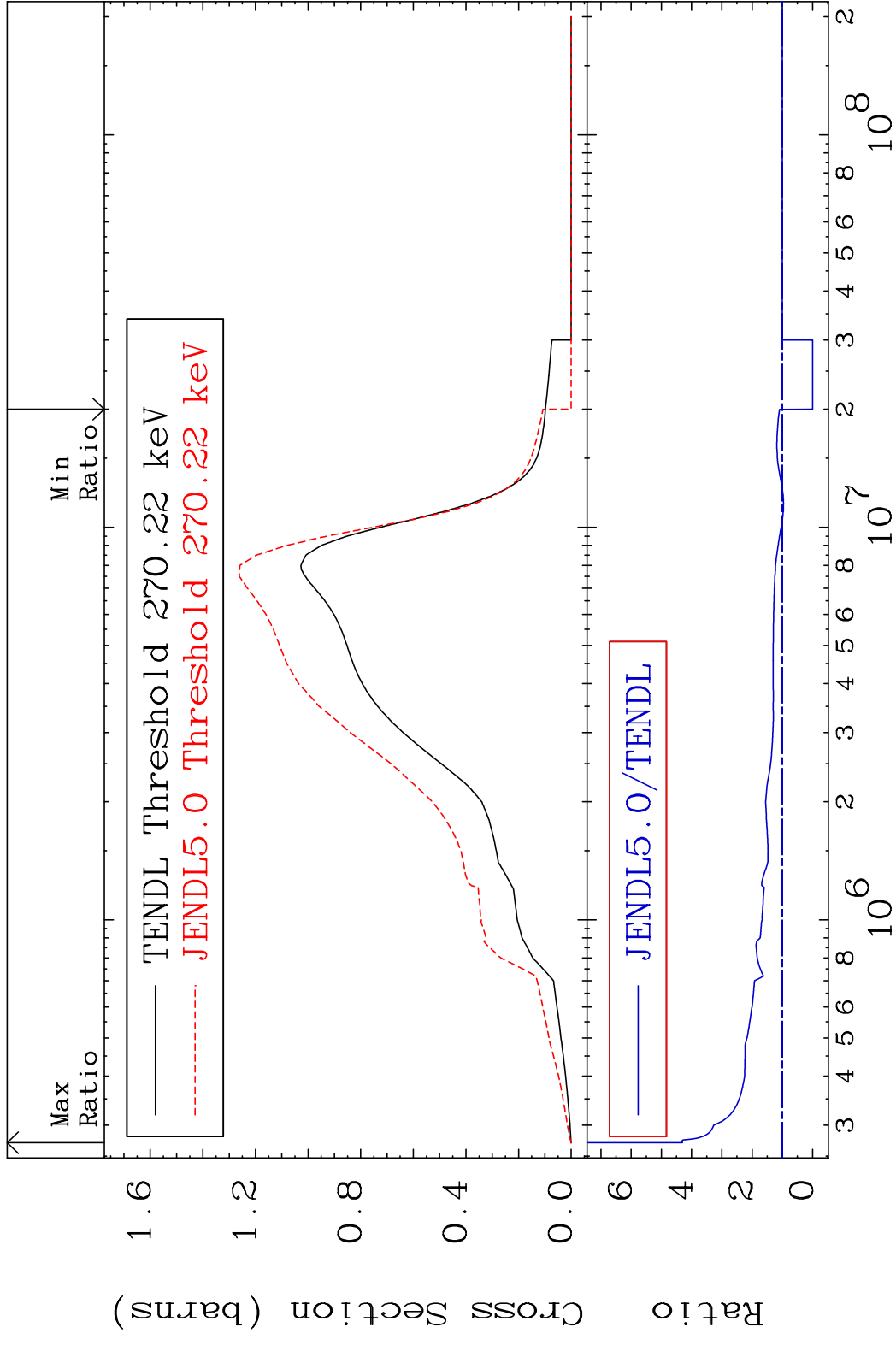


MAT 5640 Dpa inelastic (mt51-91) 56-Ba-135
 Cross Section -100.0 To 9999. %

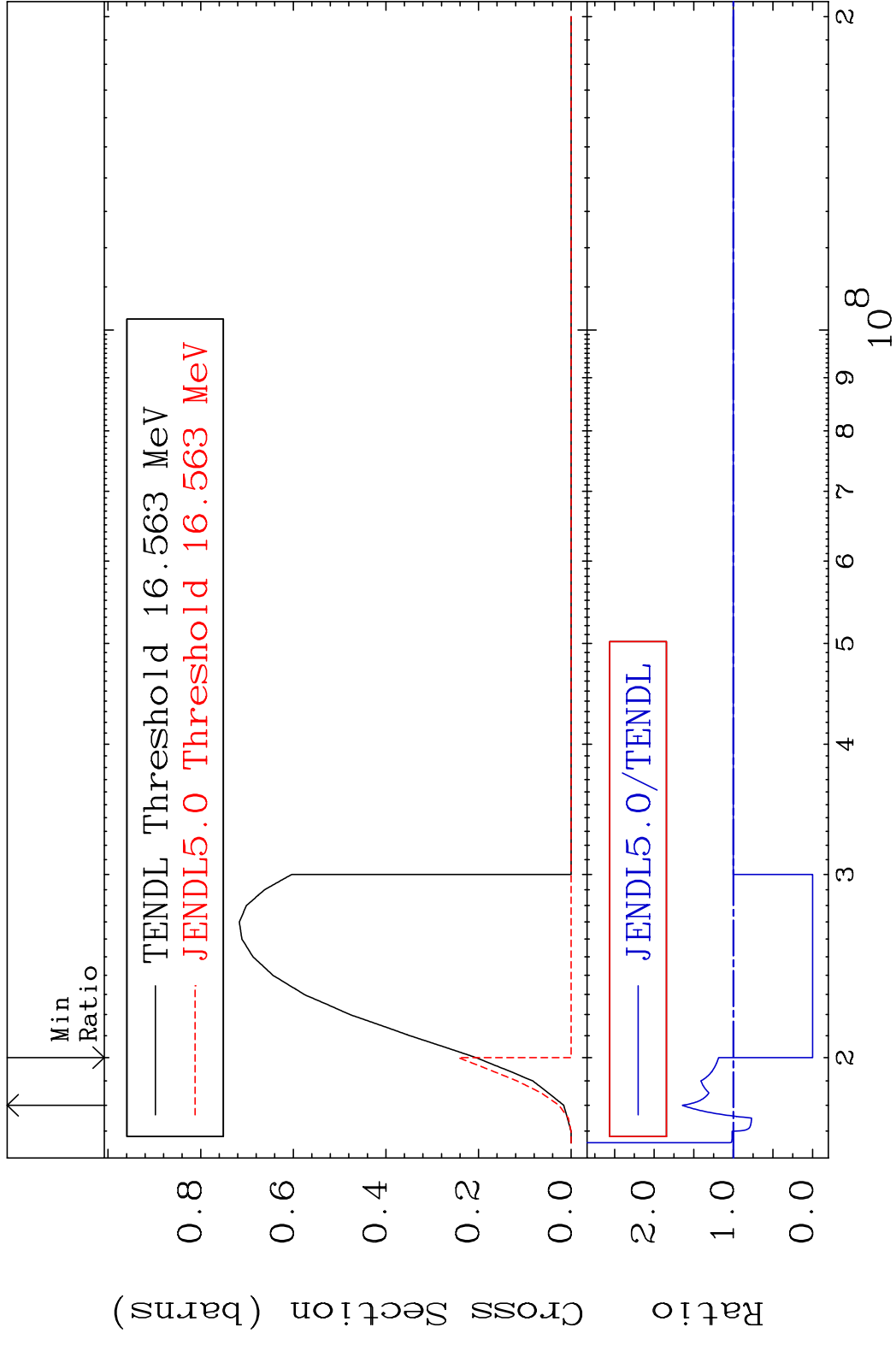


MAT 5640 Dpa disappearance (mt102 -120) 56-Ba-135
 Cross Section -100.0 To 9999. %

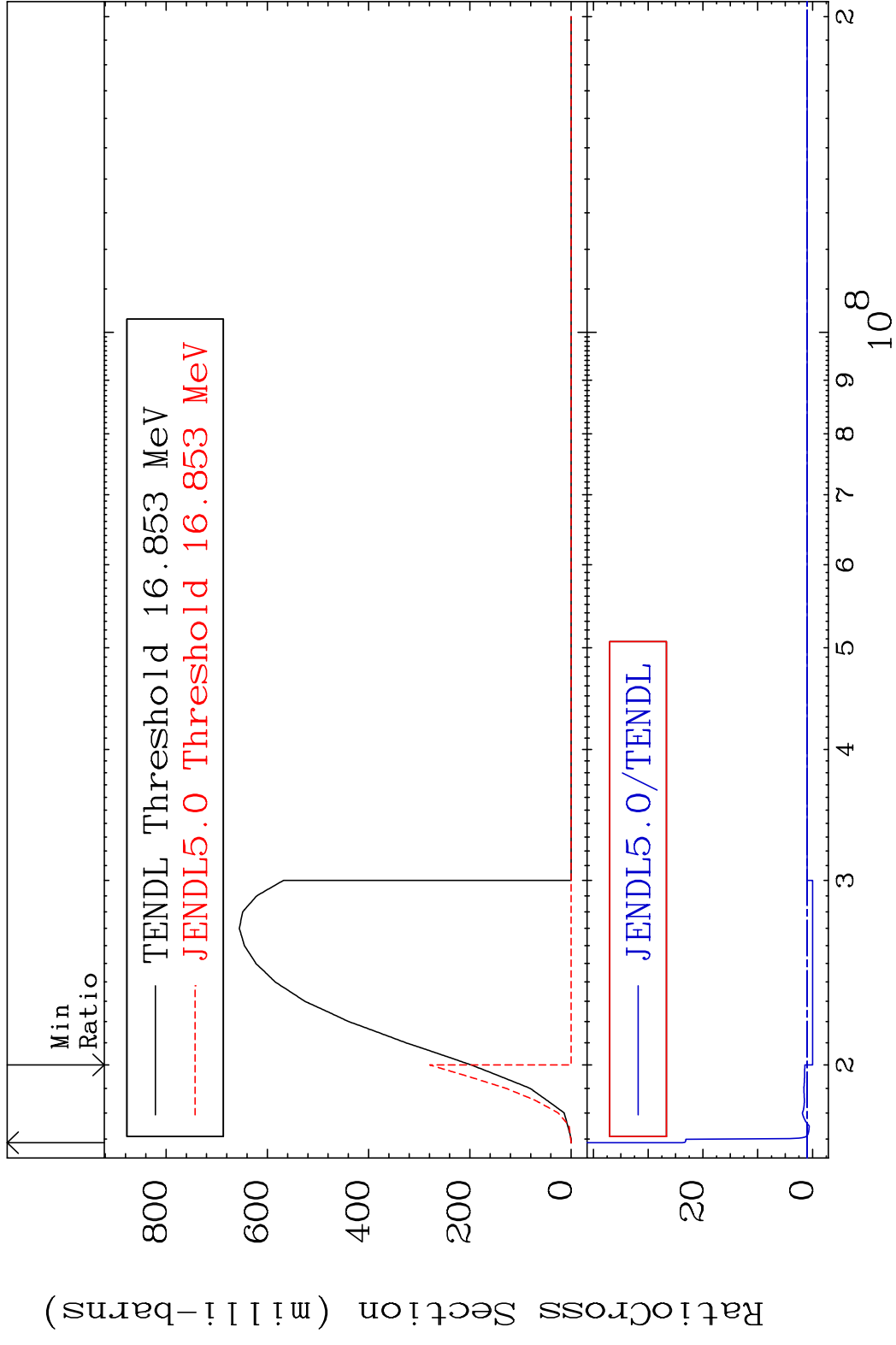


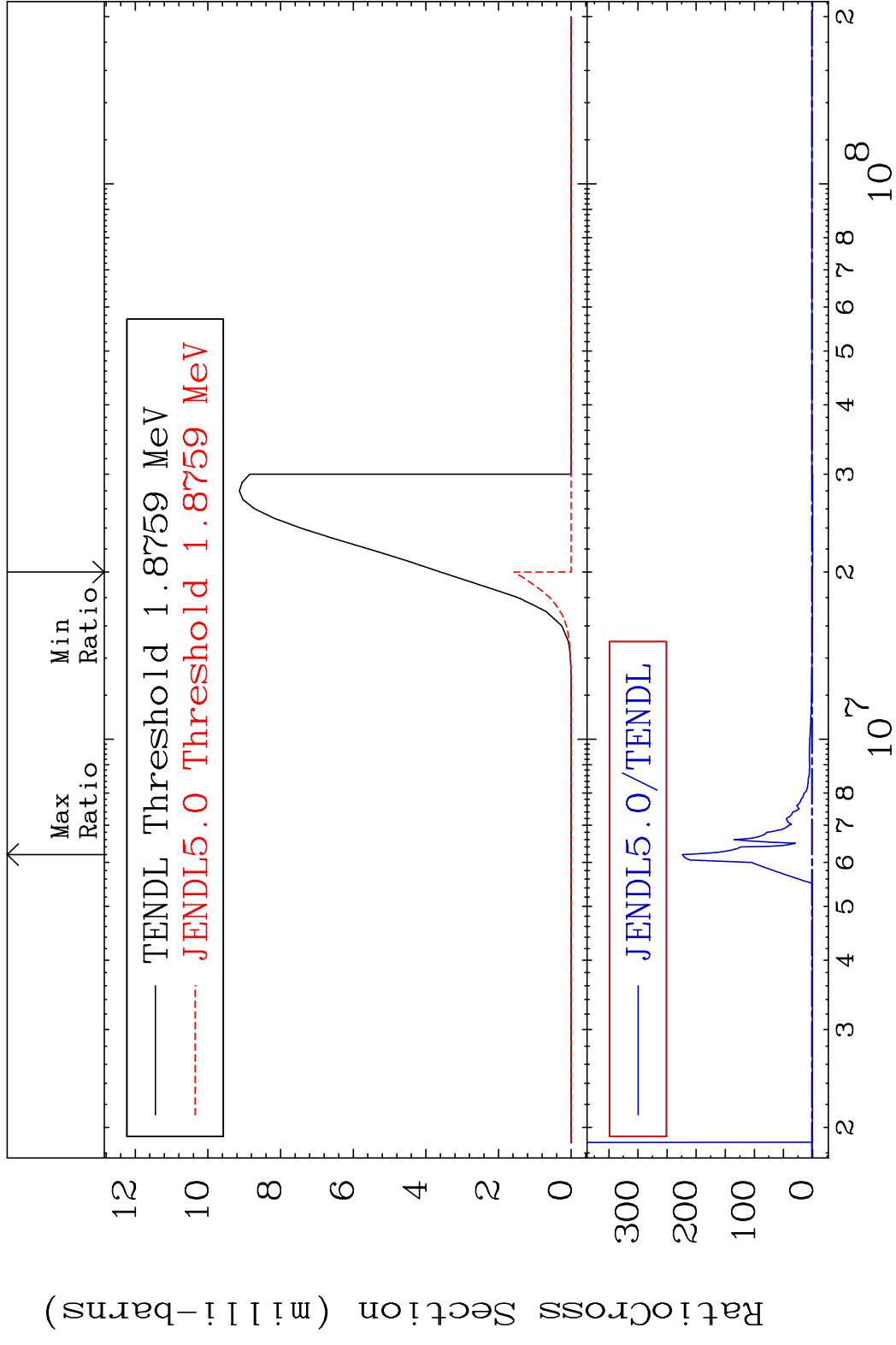


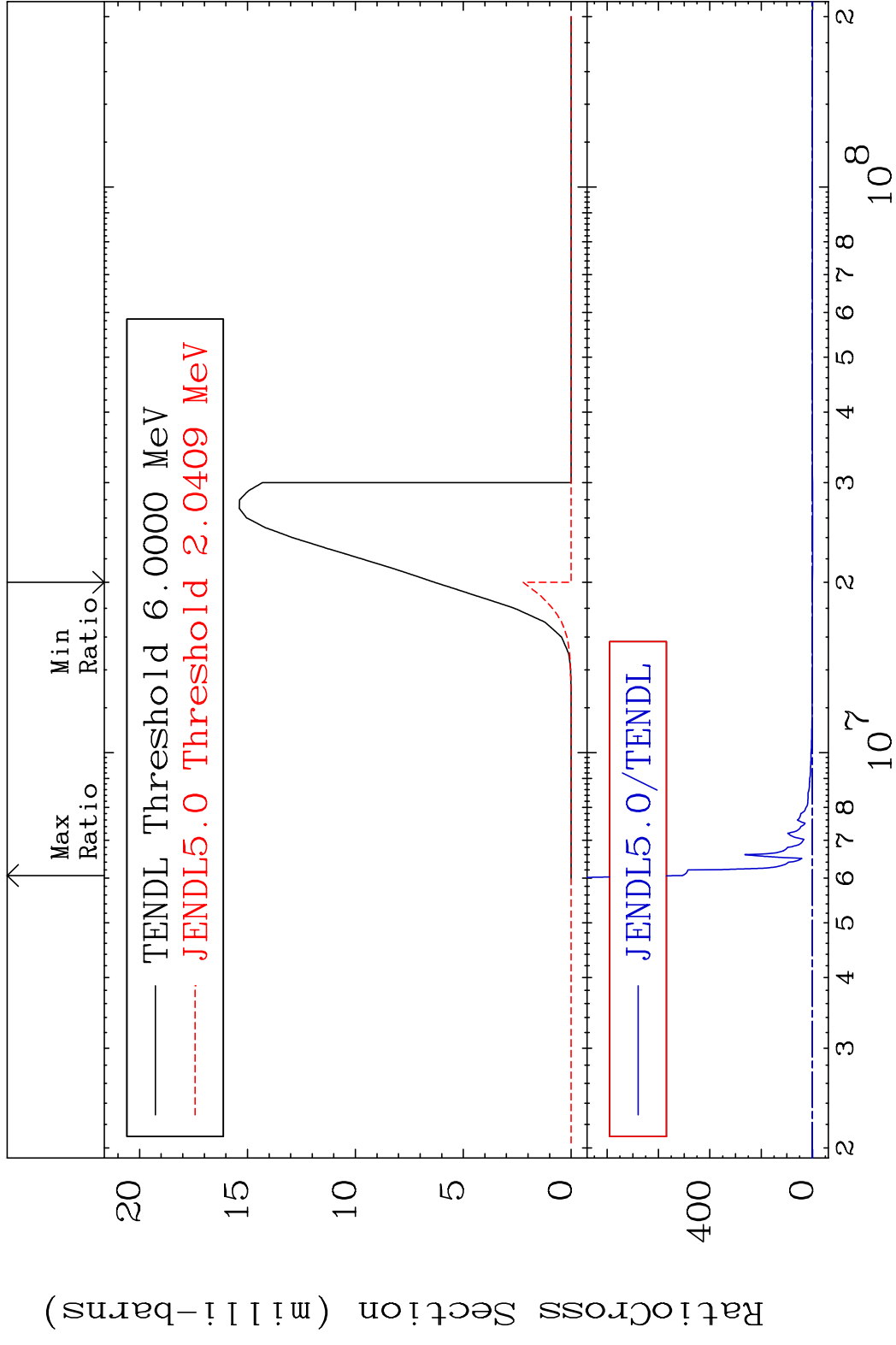
MAT 5640 (n,3n):56-Ba-133g 56-Ba-135
 Radionuclide Production Cross Section 180.01 dth 64.39 %

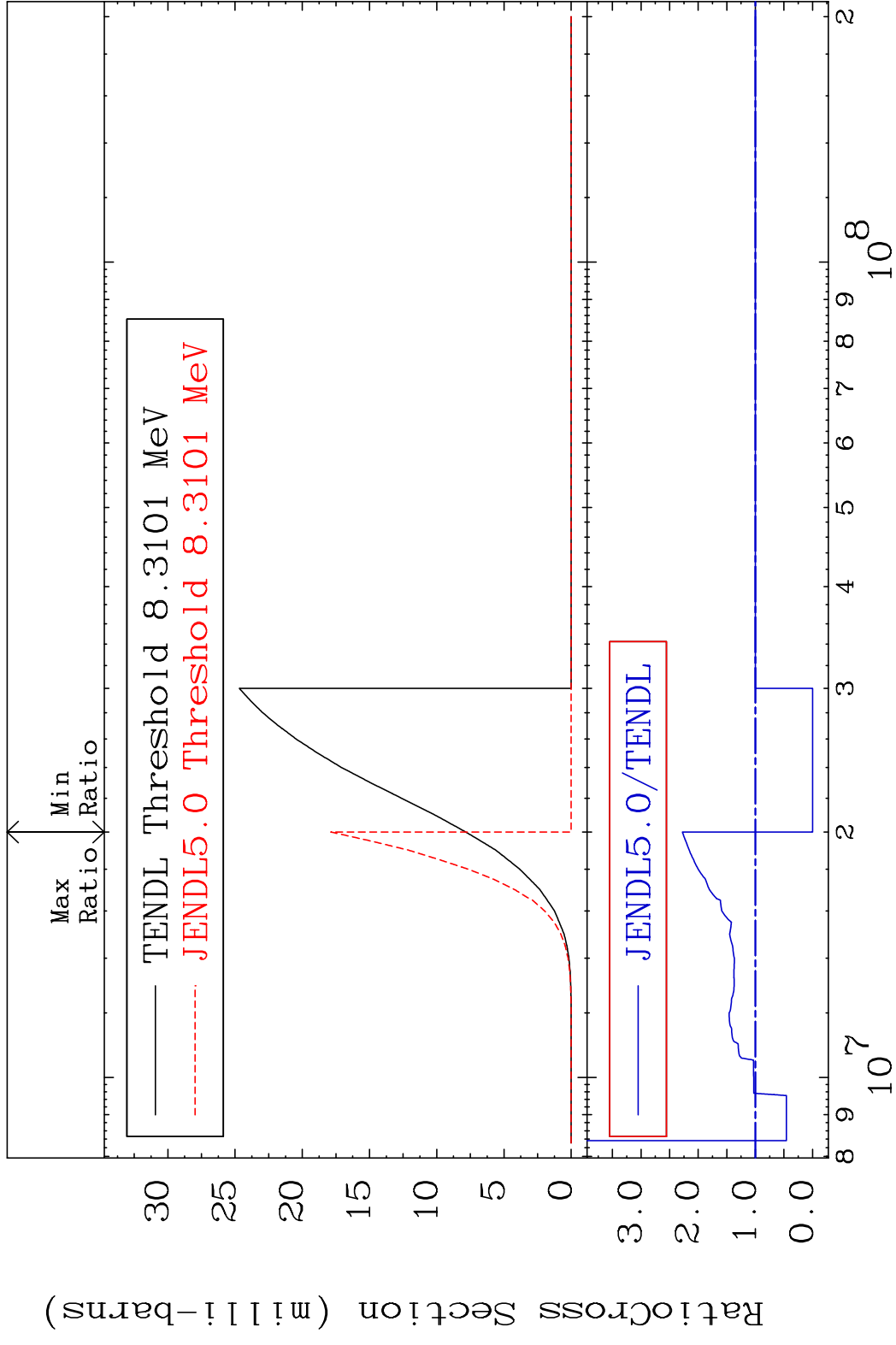


MAT 5640 (n, 3n):56-Ba-133m2 56-Ba-135
 Radionuclide Production Cross Section 180.0 dth 2276. %

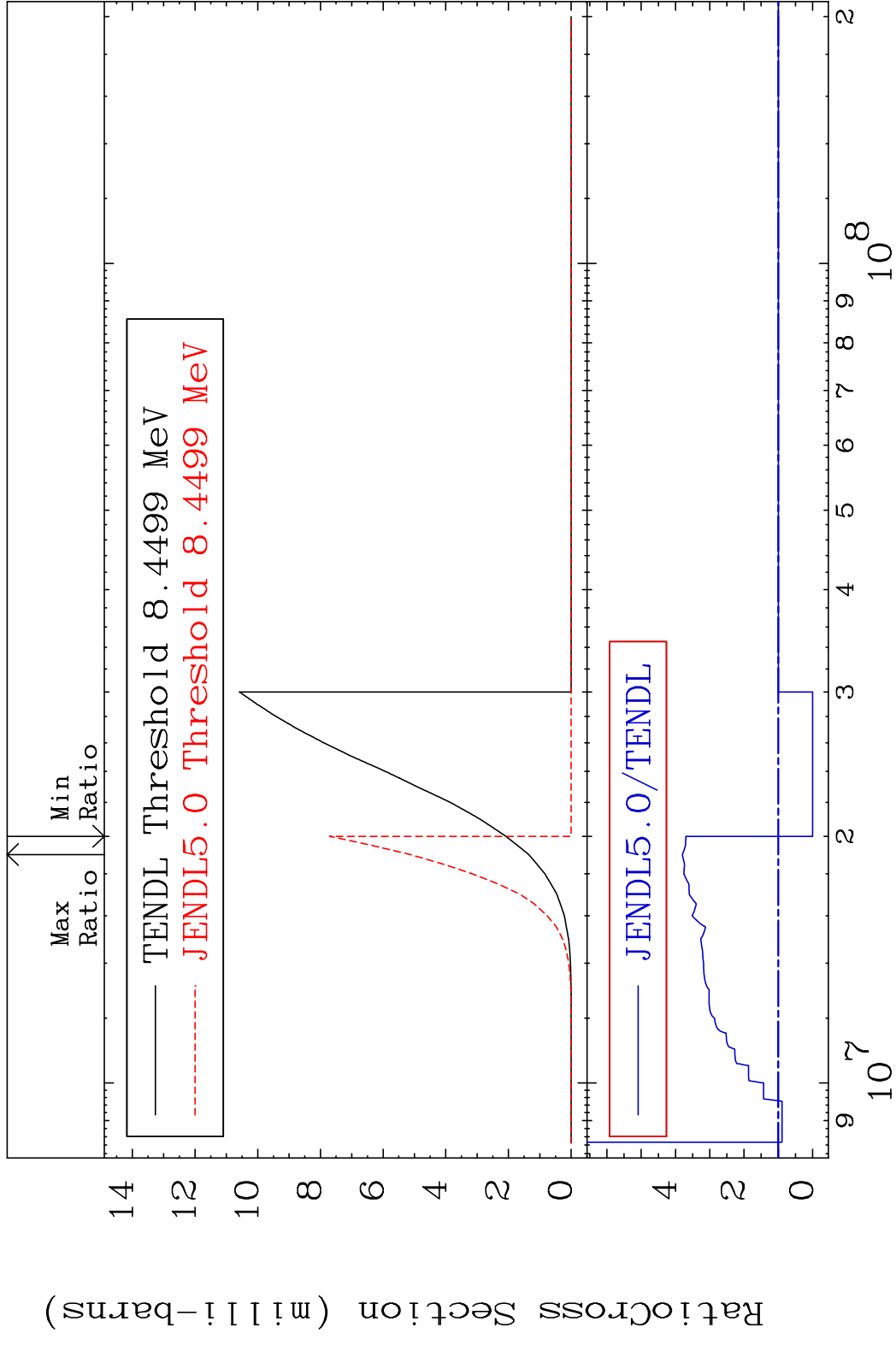




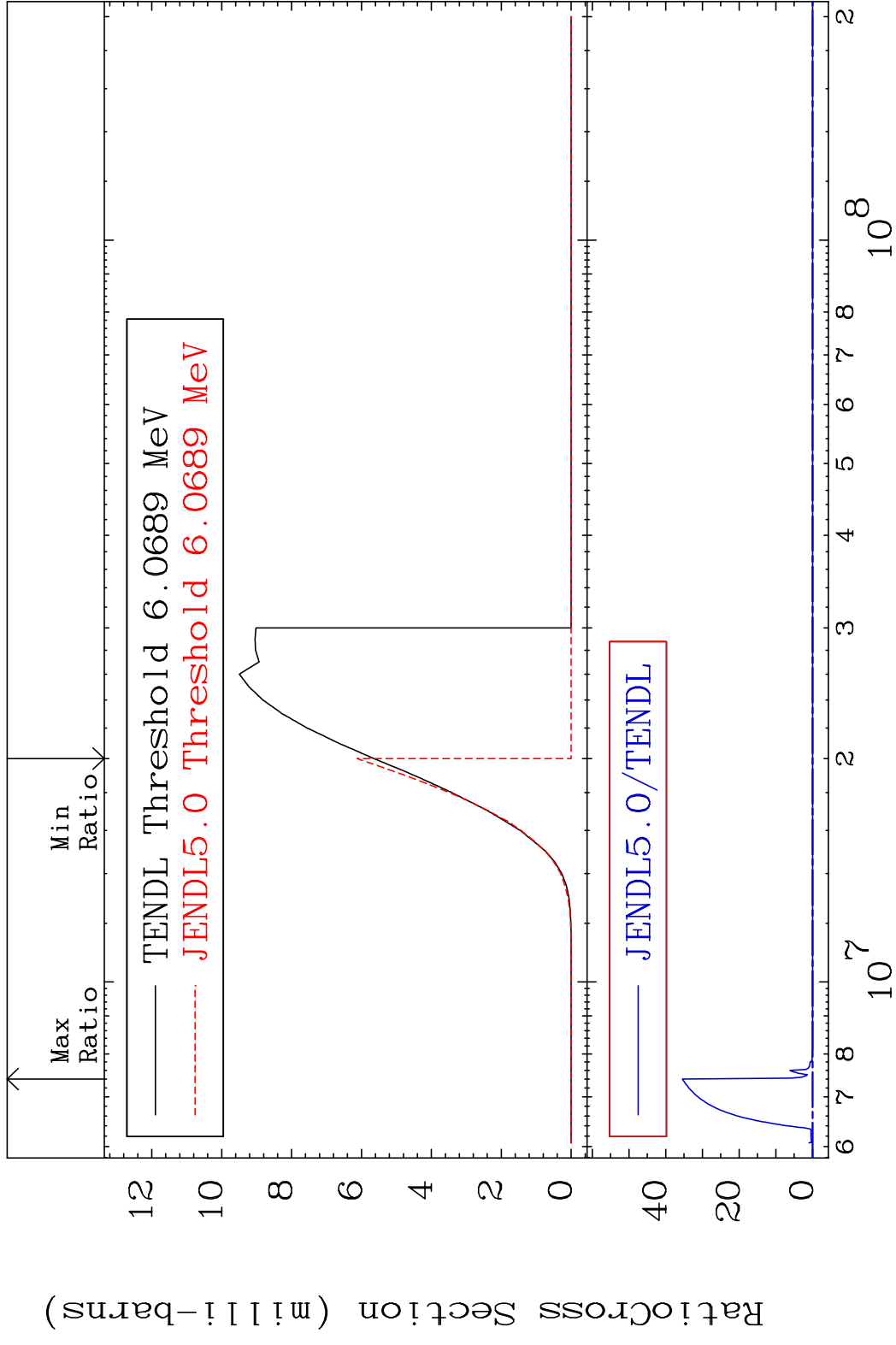




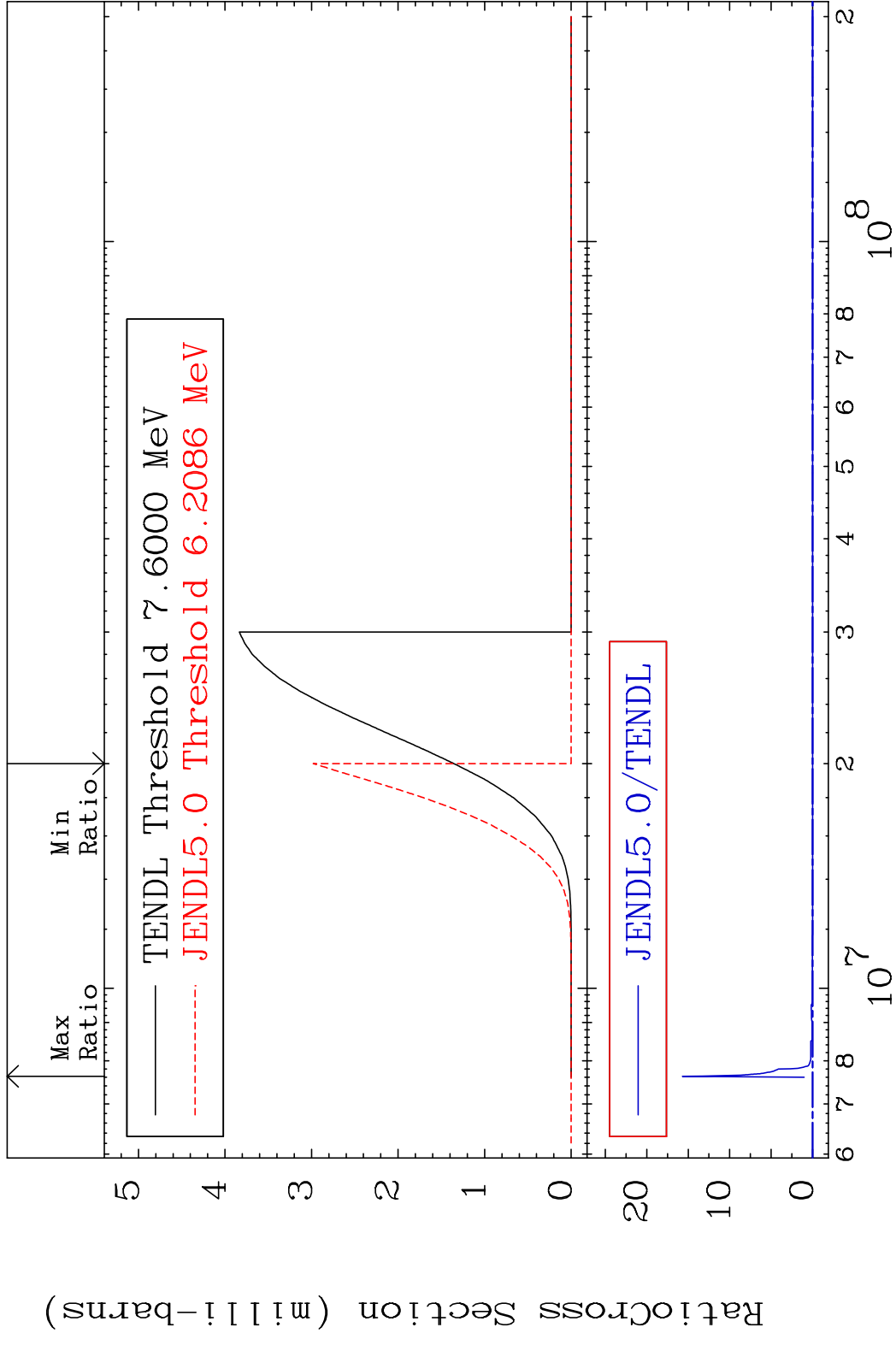
MAT 5640 (n, n') p:55-Cs-134m3 56-Ba-135
 Radionuclide Production Cross Section 180.0 dth 279.9 %

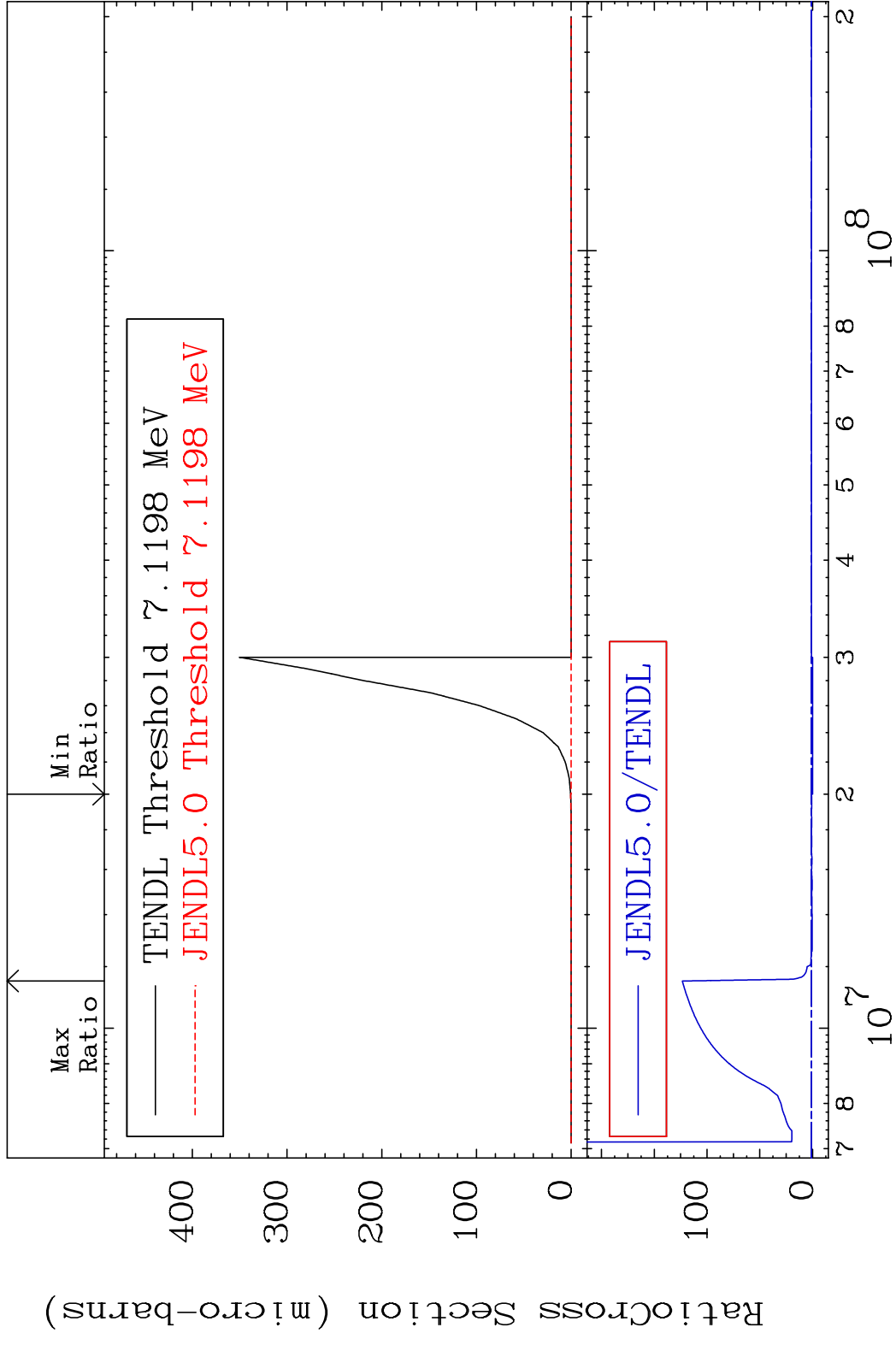


60 Incident Energy (eV) 56-Ba-135



MAT 5640 (n, d):55-Cs-134m3 56-Ba-135
 Radionuclide Production Cross Section Ratio





MAT 5640 (n, He-3) : 54-Xe-133m1 56-Ba-135
 Radionuclide Production Cross Section 180.0 dth 441.2 %

