

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

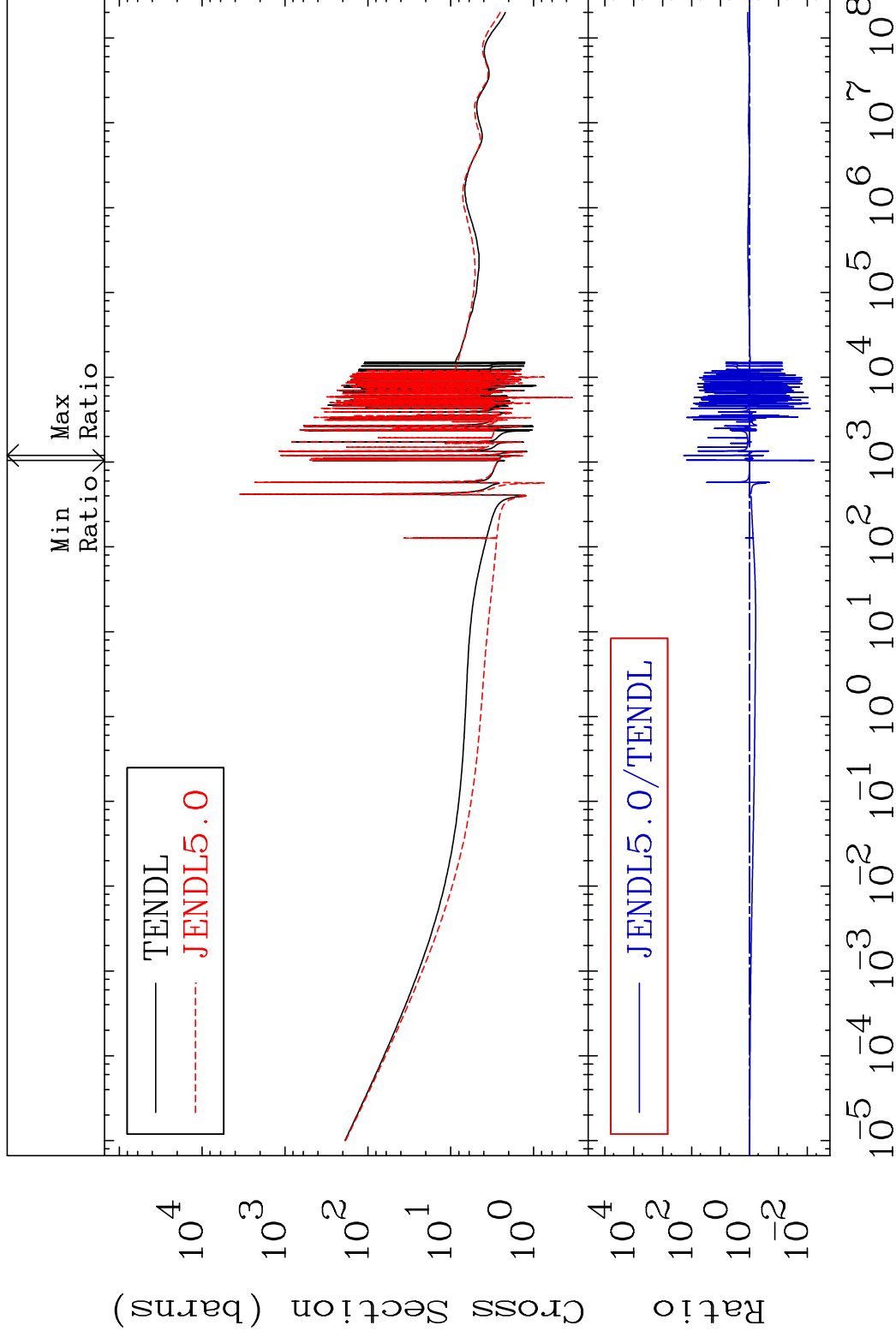
MAT 5646

Total

56-Ba-137

Cross Section

-99.41 To 9999. %



1

Incident Energy (eV)

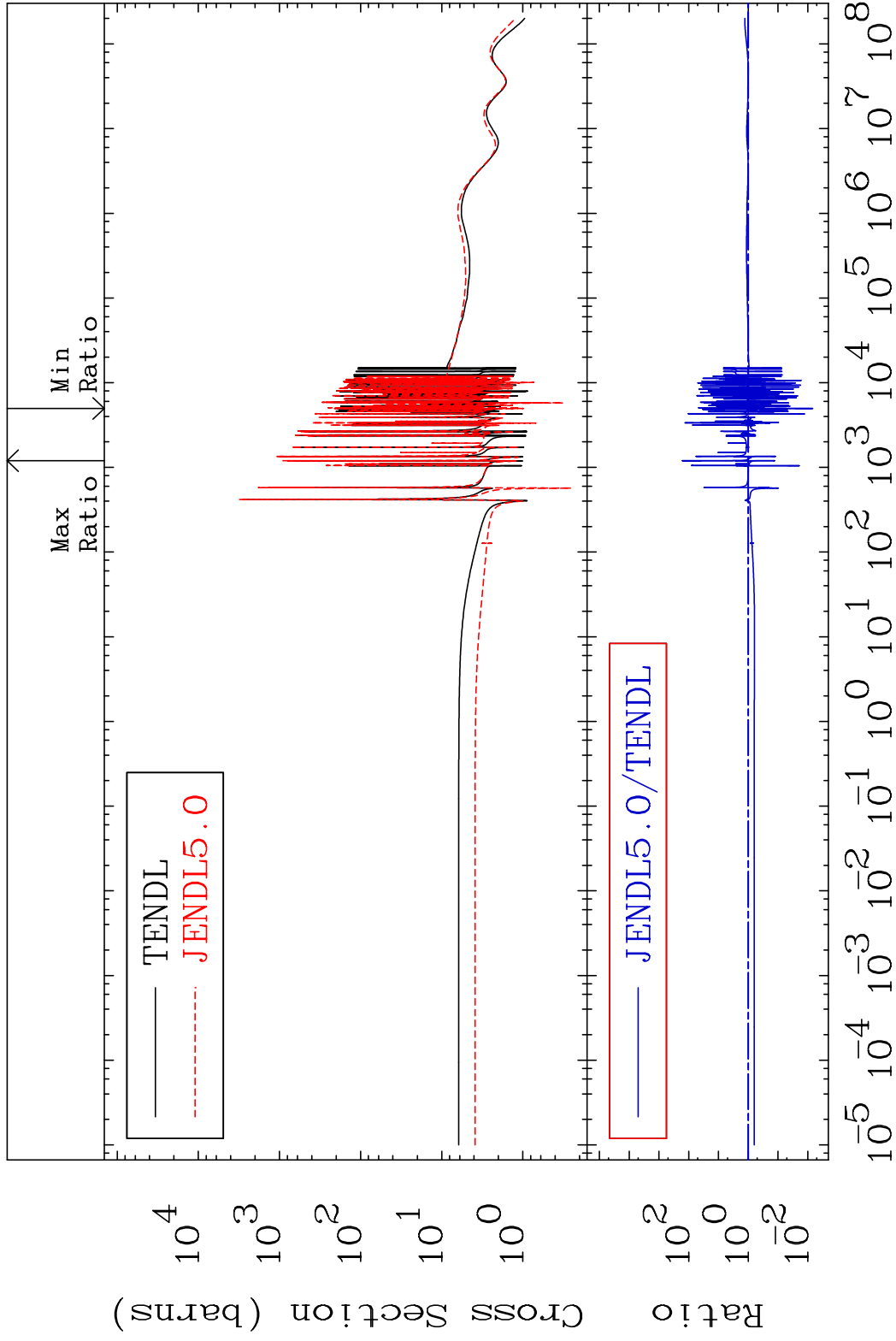
56-Ba-137

MAT 5646

Elastic

56-Ba-137

Cross Section -99.31 To 9999. %

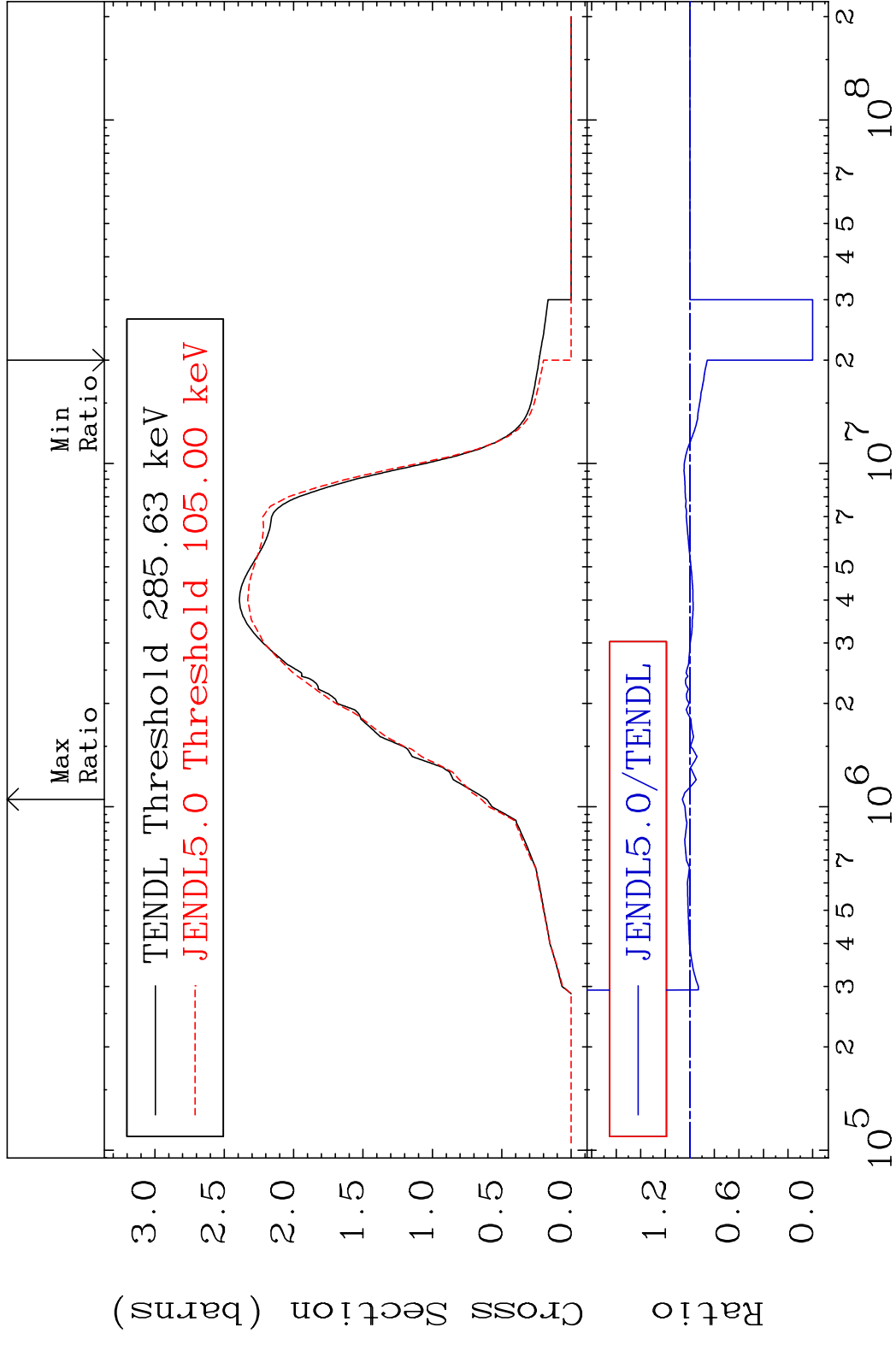


2

Incident Energy (eV)

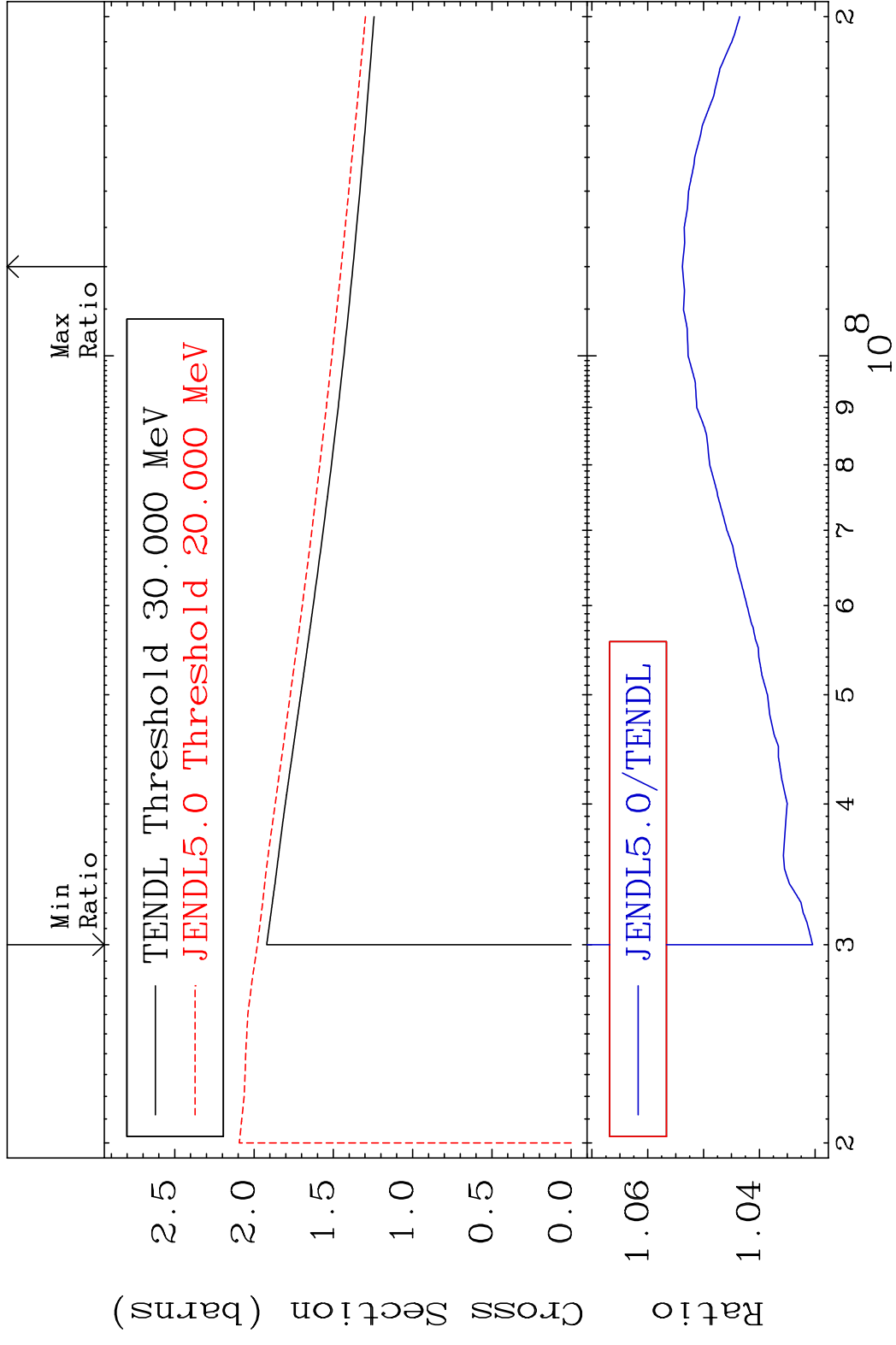
56-Ba-137

MAT 5646 Inelastic 56-Ba-137
 Cross Section -100.0 To 6.083 %



3 3 3 4 5 7 2 3 4 5 7 8 2
 10⁵ 10⁶ 10⁷ 10⁸
 56-Ba-137

MAT 5646 (n, remainder) 56-Ba-137
 Cross Section 3.047 To 5.380 %



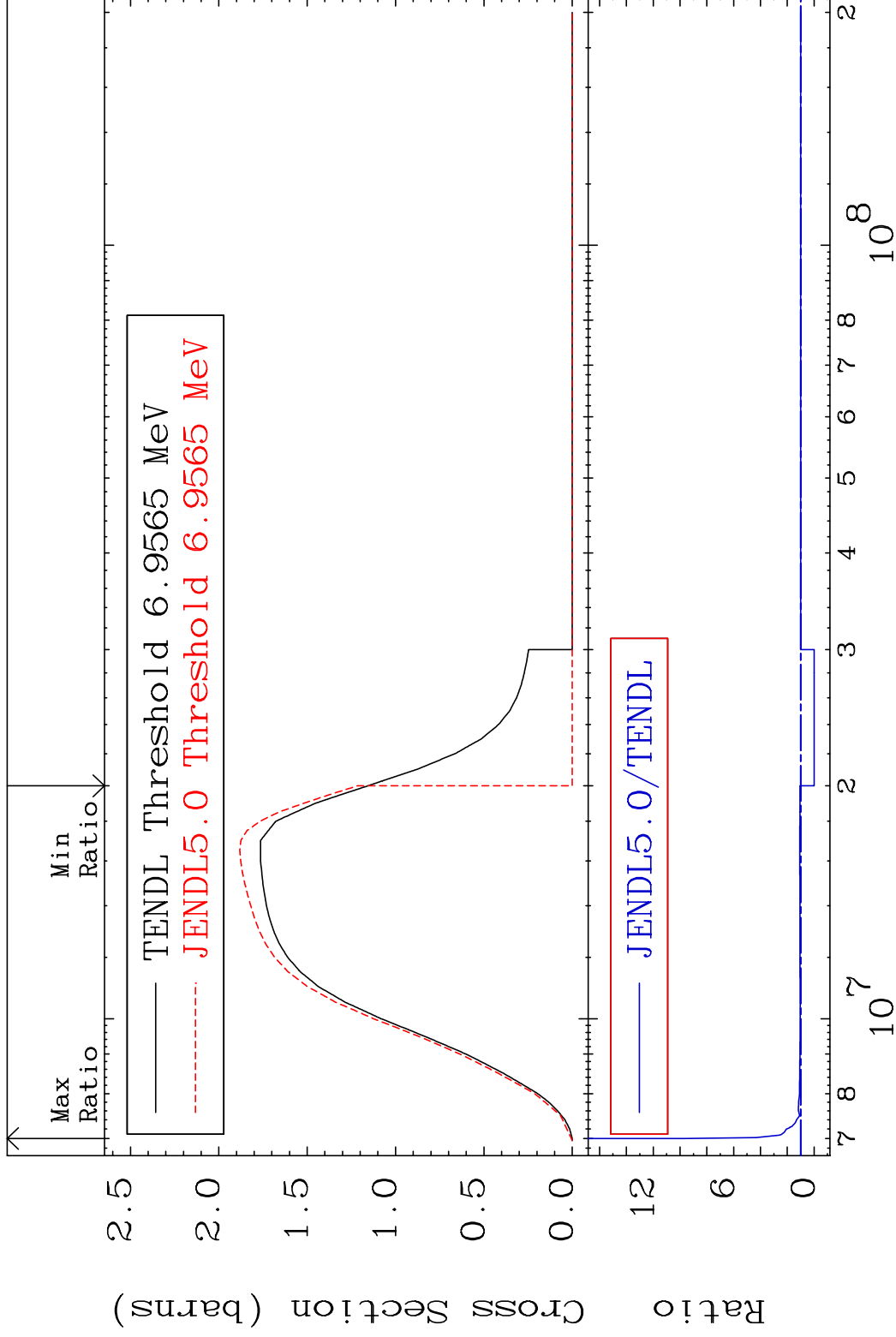
4 Incident Energy (eV) 56-Ba-137

MAT 5646

(n,2n)

56-Ba-137

Cross Section -100.0 To 872.8 %



5

Incident Energy (eV)

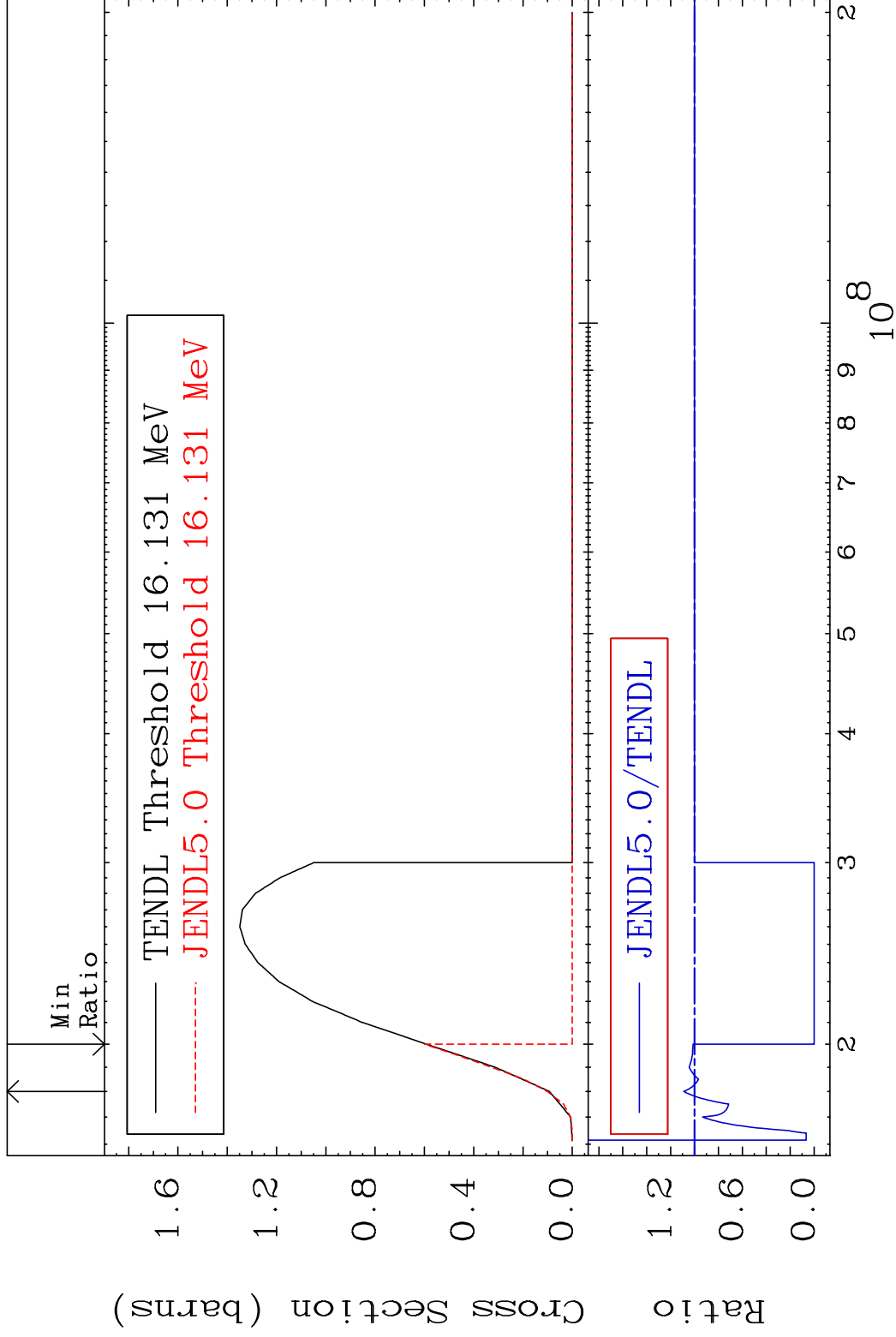
56-Ba-137

MAT 5646

(n,3n)

56-Ba-137

Cross Section -100.0 To 9.075 %

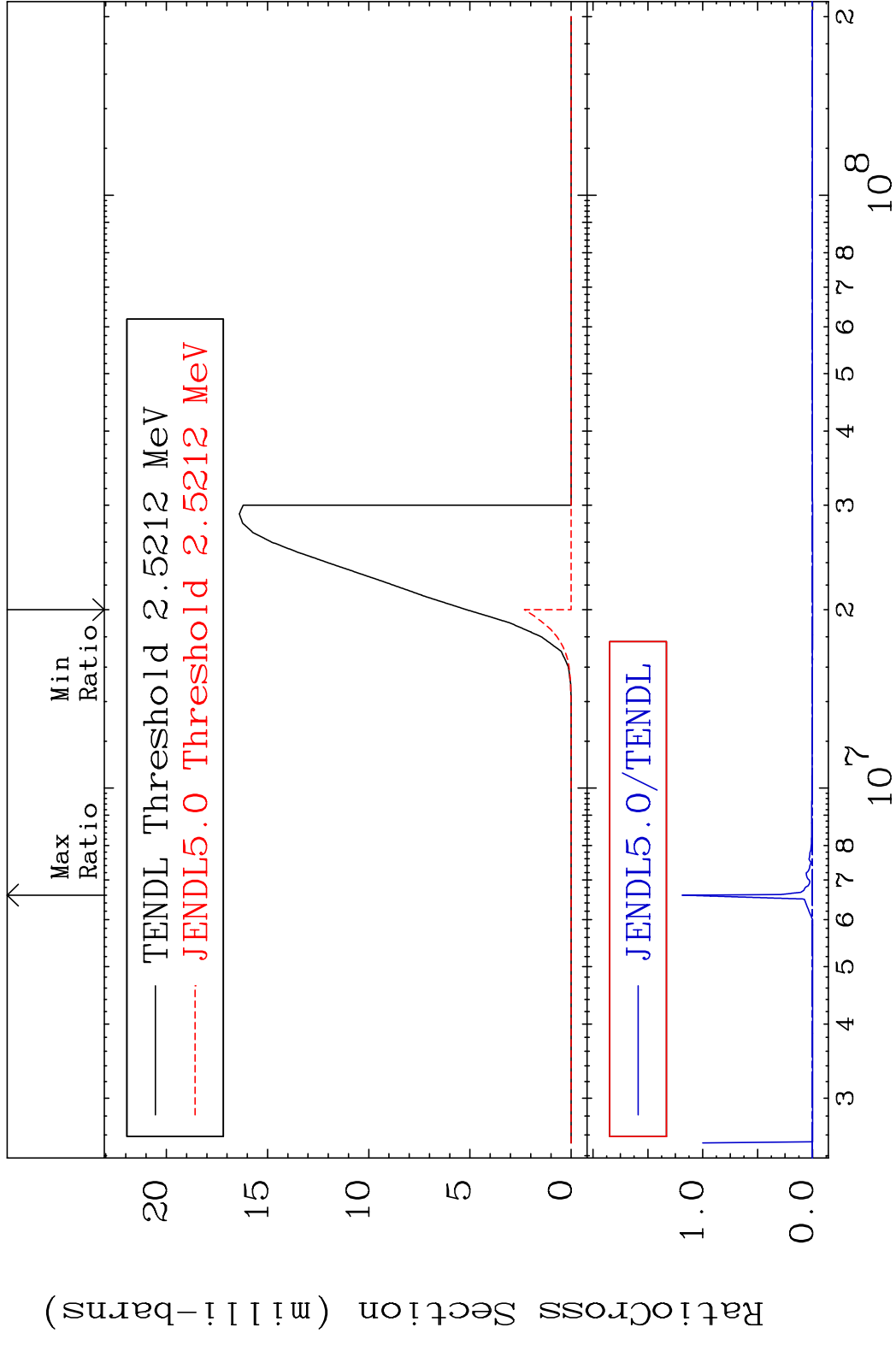


6

Incident Energy (eV)

56-Ba-137

MAT 5646 (n, n') α 56-Ba-137
 Cross Section -100.0 To 9999. %



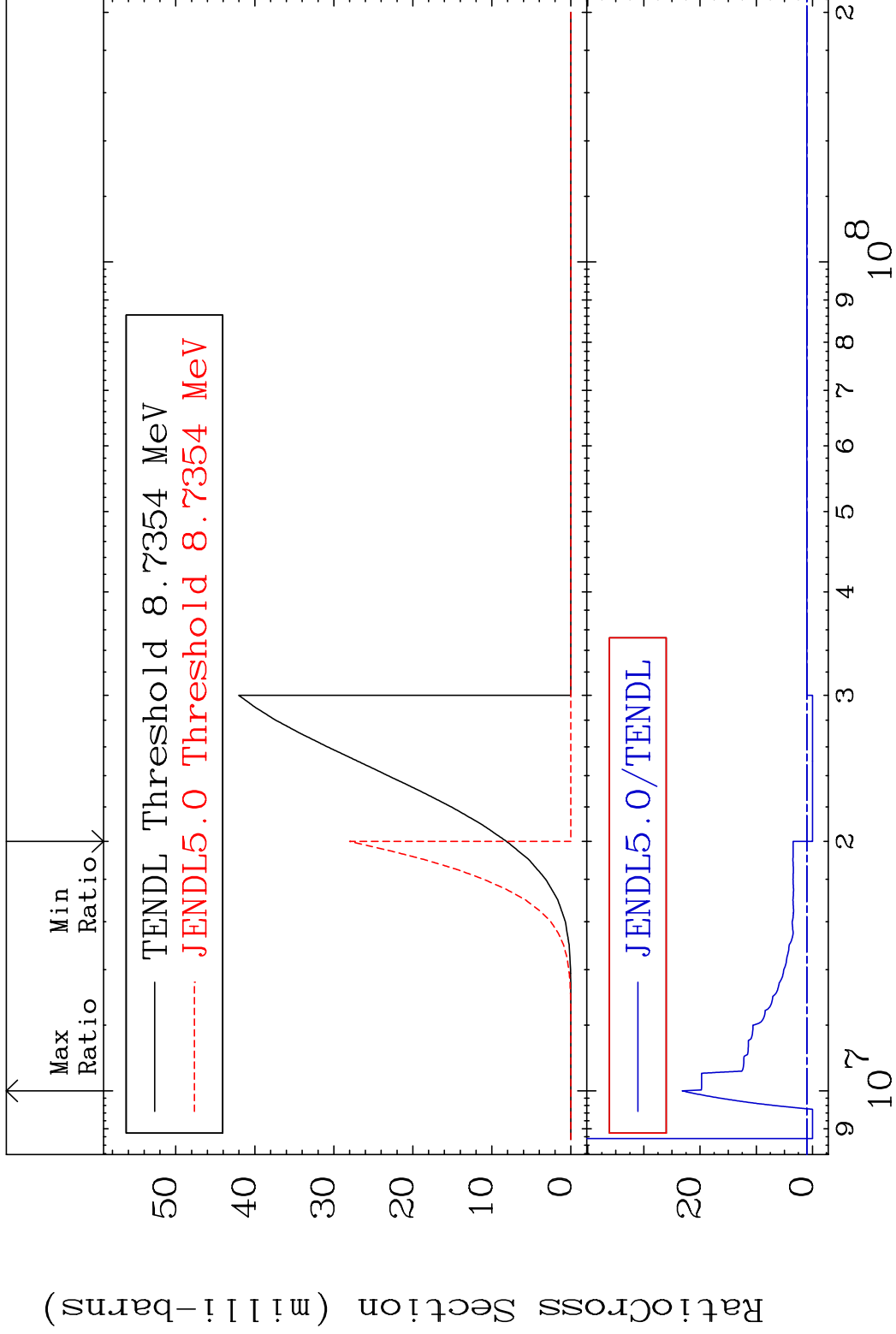
7 7 56-Ba-137

MAT 5646

(n, n') p

56-Ba-137

Cross Section -100.0 To 2219. %

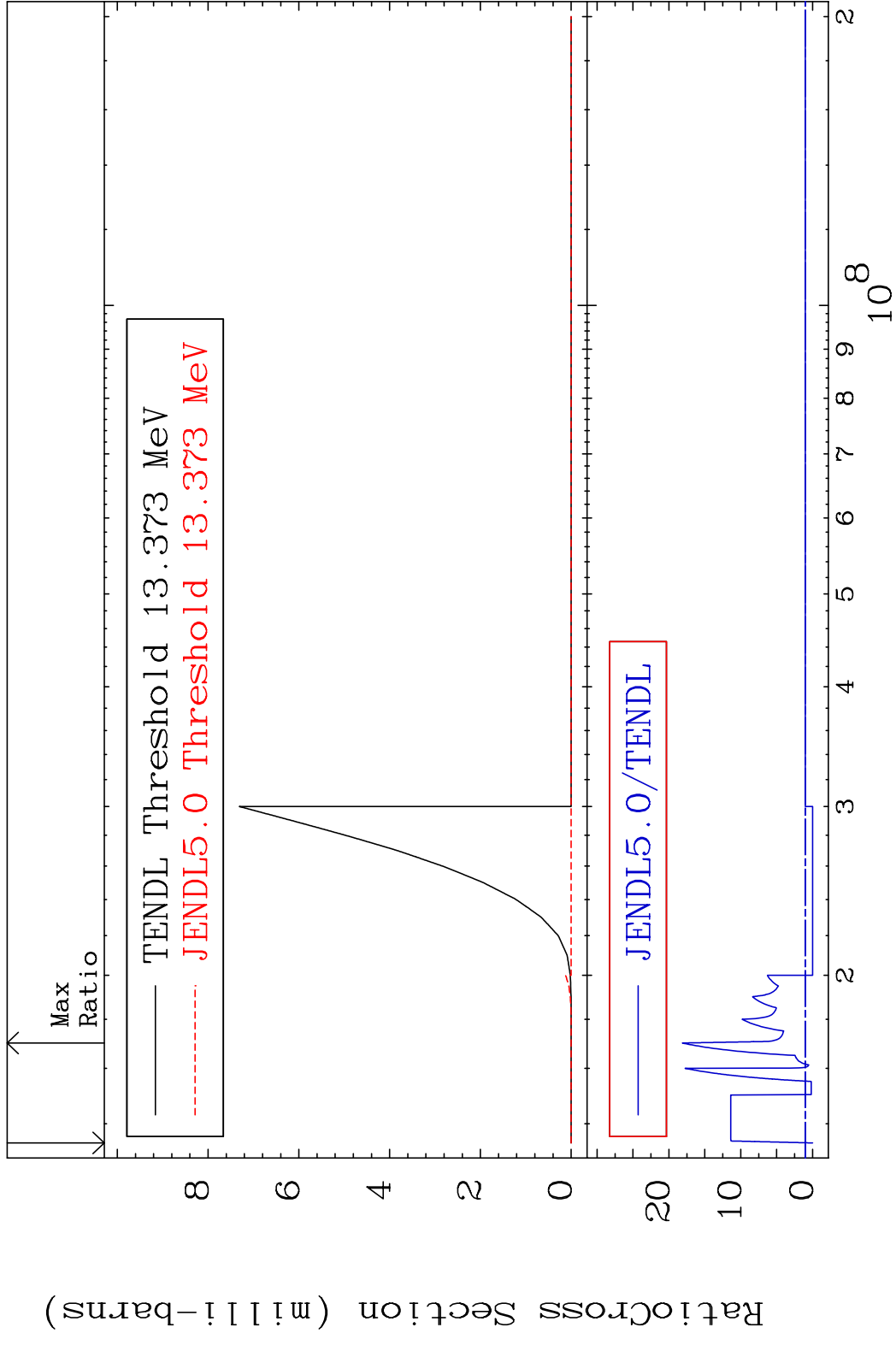


8

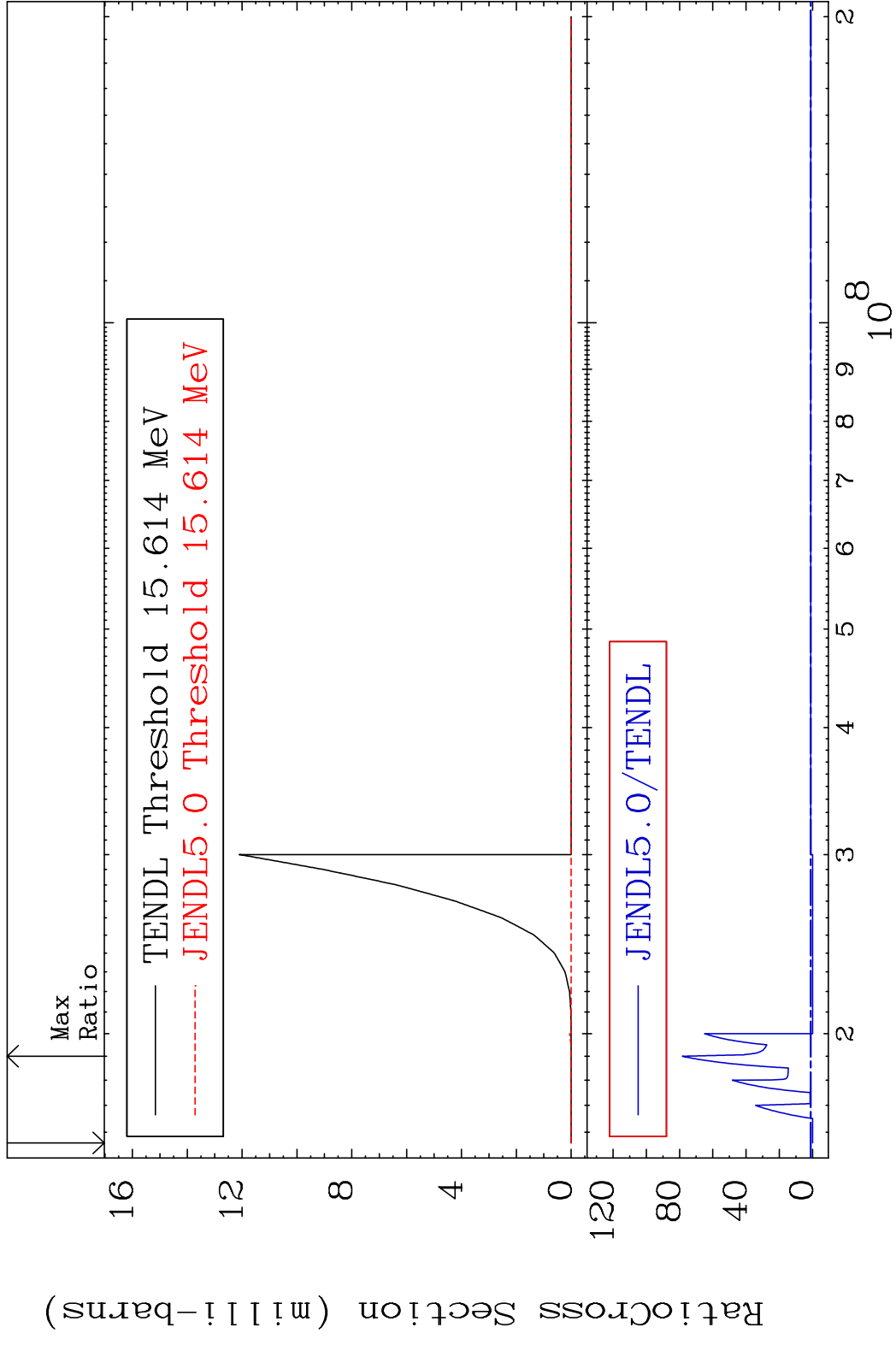
Incident Energy (eV)

56-Ba-137

MAT 5646 (n, n') d 56-Ba-137
 Cross Section -100.0 To 1713. %

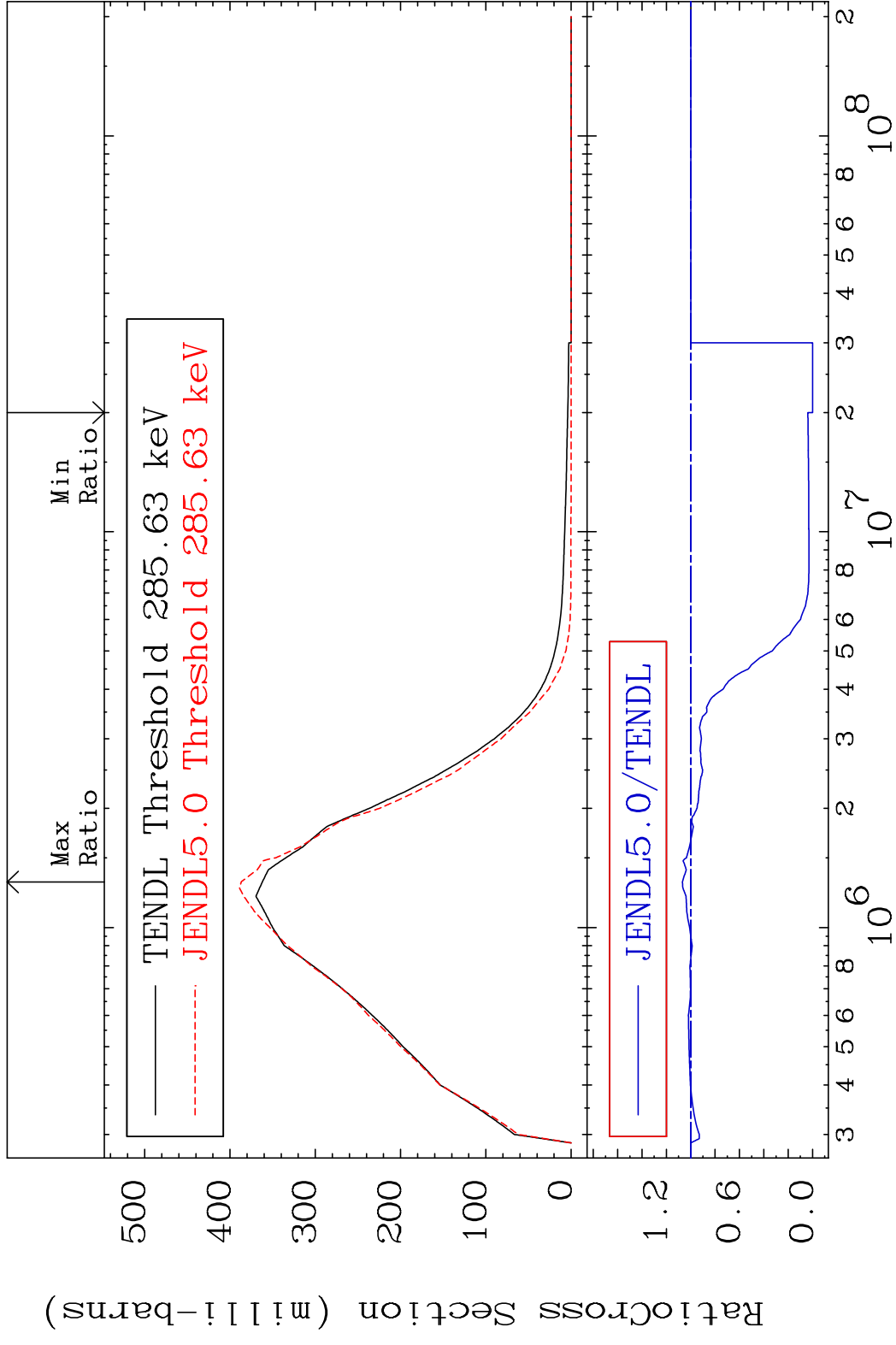


MAT 5646 (n,2n) p 56-Ba-137
 Cross Section -100.0 To 7731. %

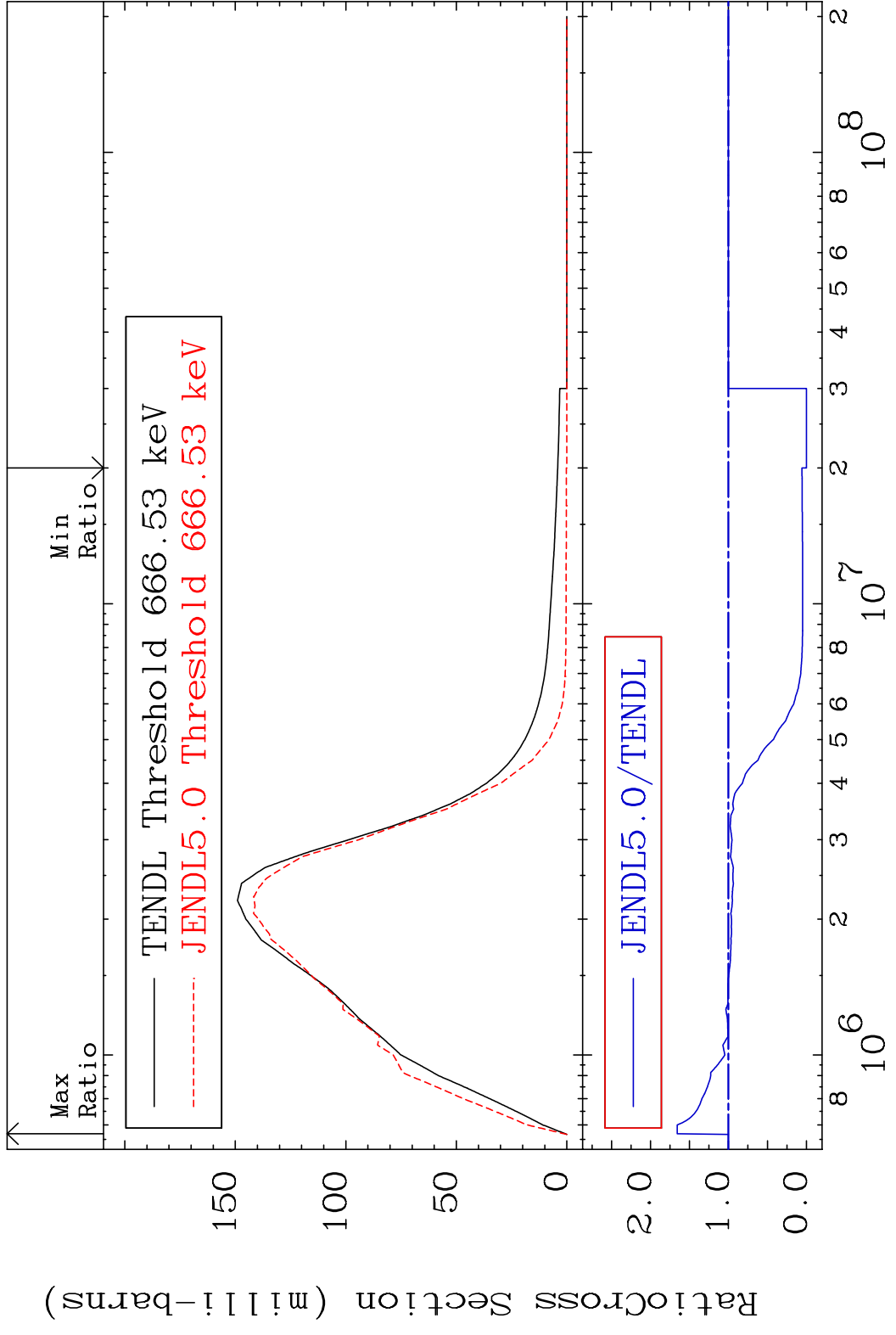


10 Incident Energy (eV) 56-Ba-137

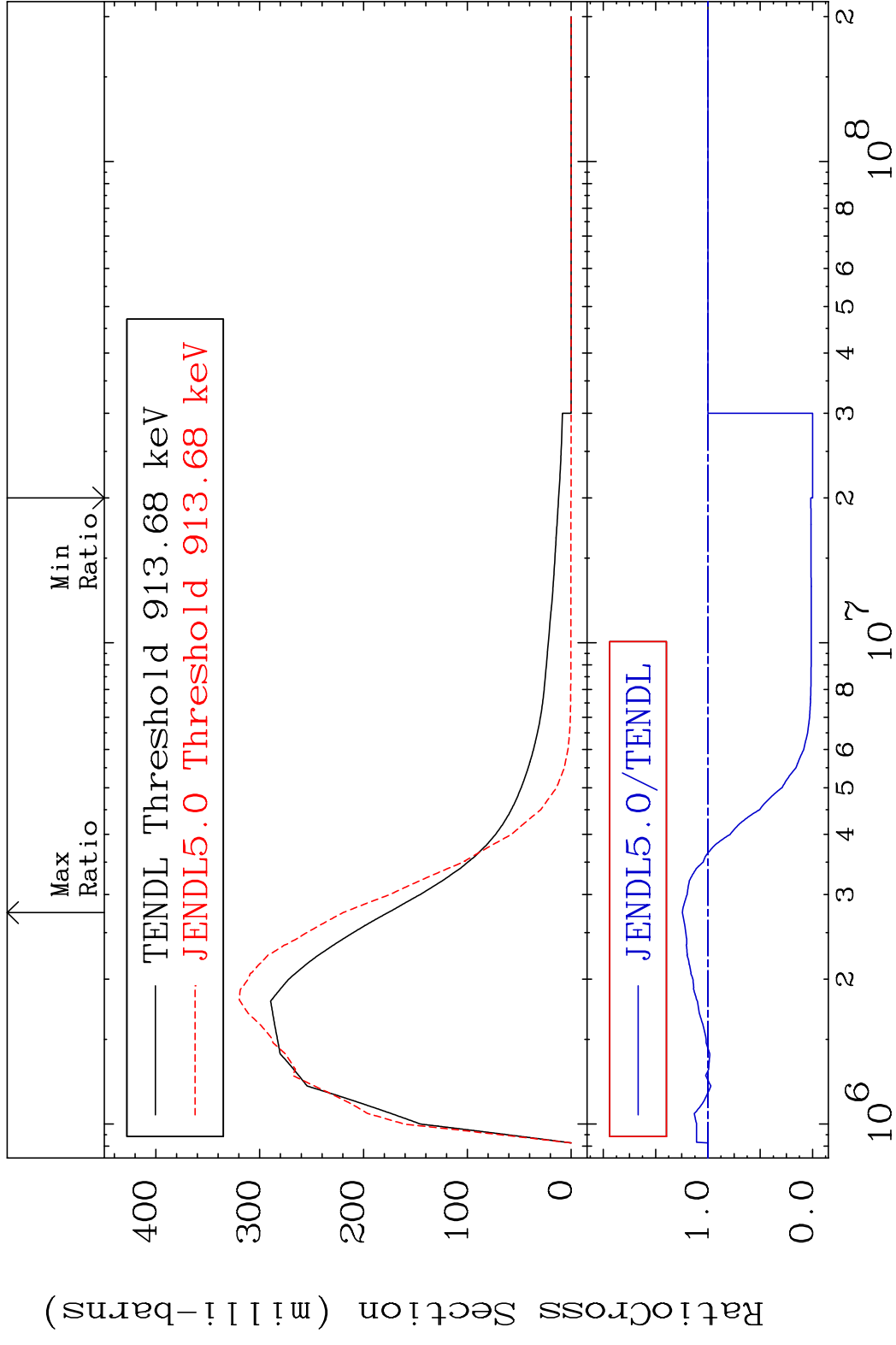
MAT 5646 MT= 51 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 6.881 %



MAT 5646 MT= 52 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 65.76 %

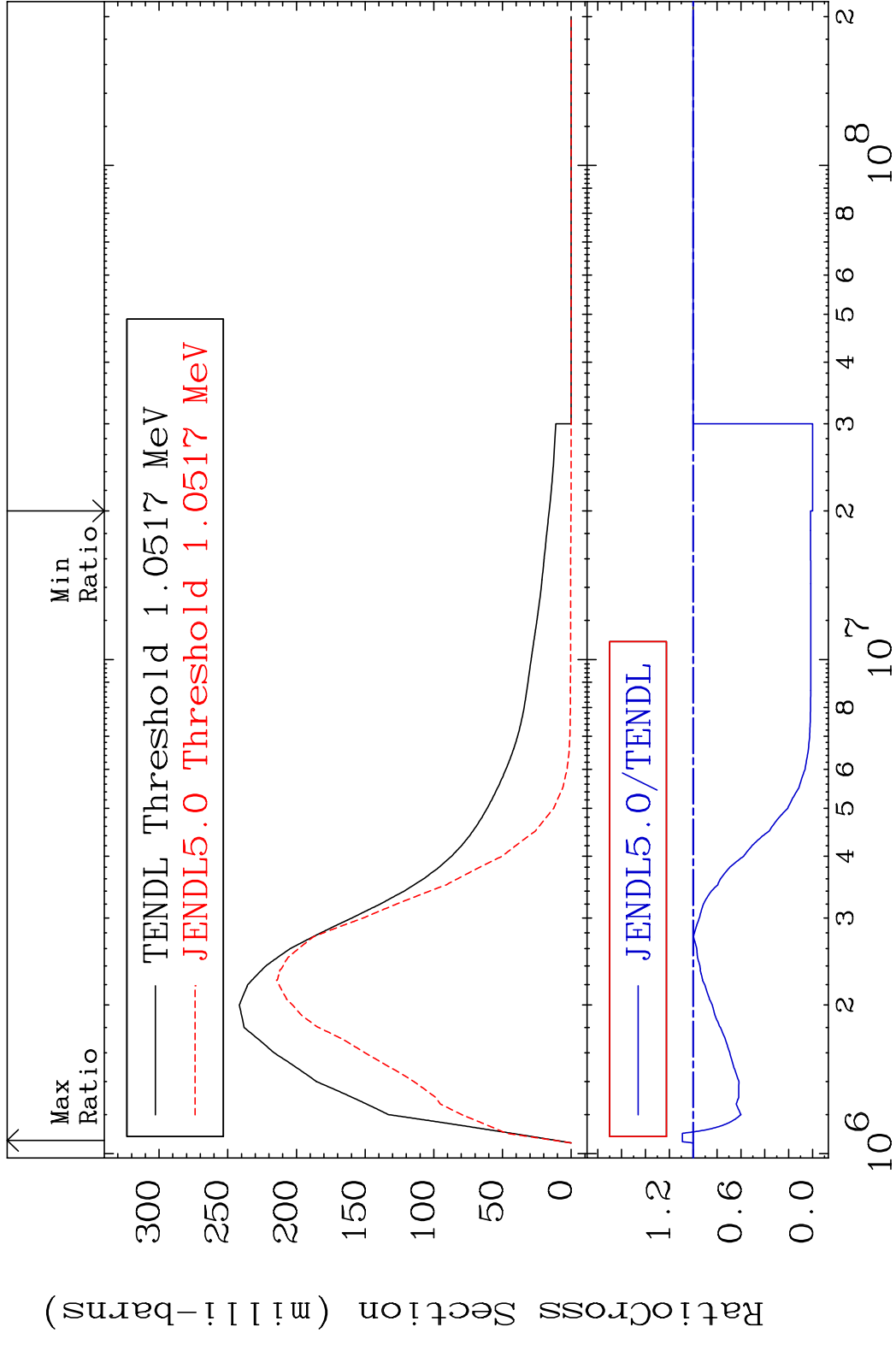


MAT 5646 MT= 53 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 24.47 %



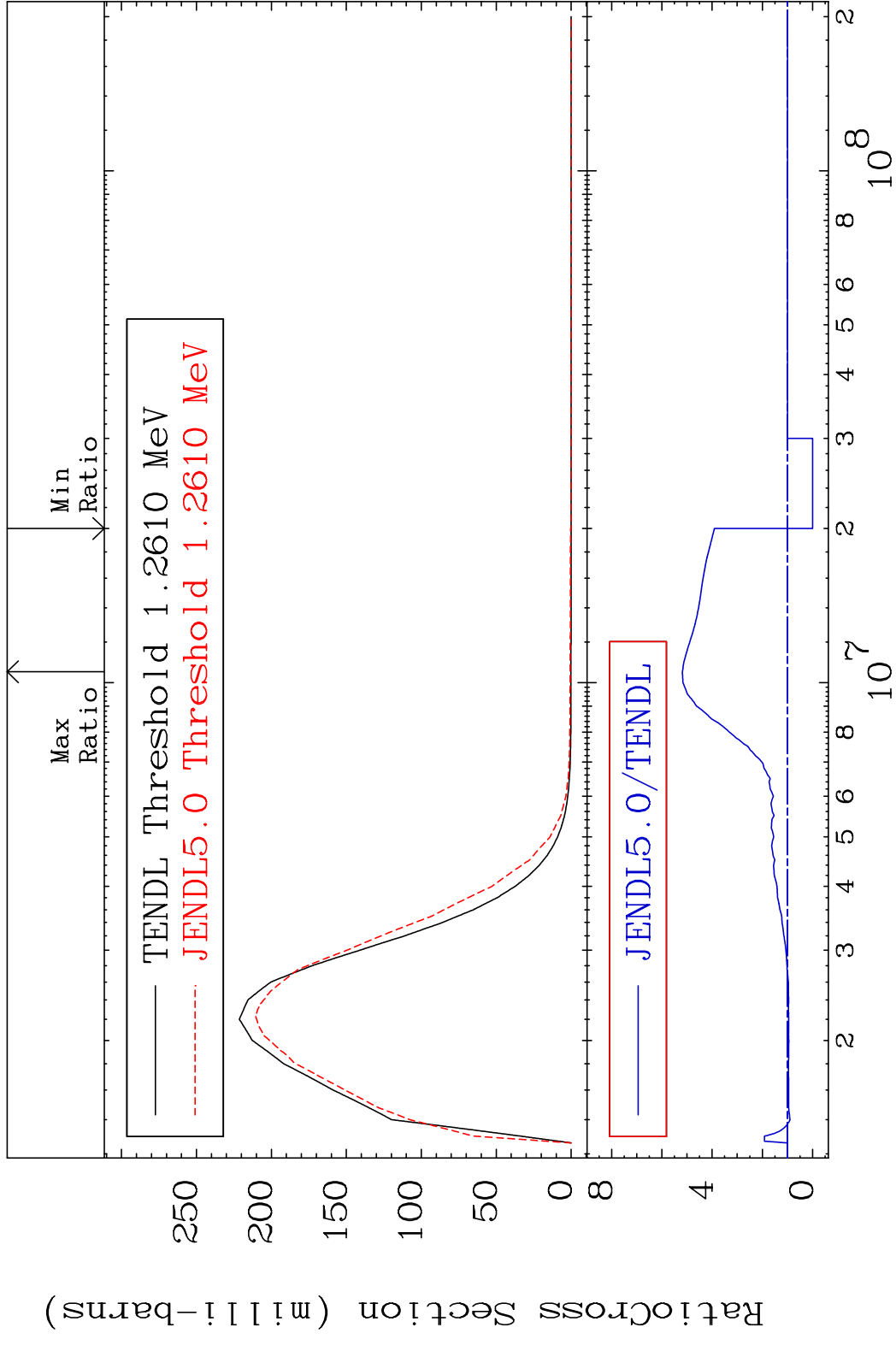
13

MAT 5646 MT= 54 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 9.085 %

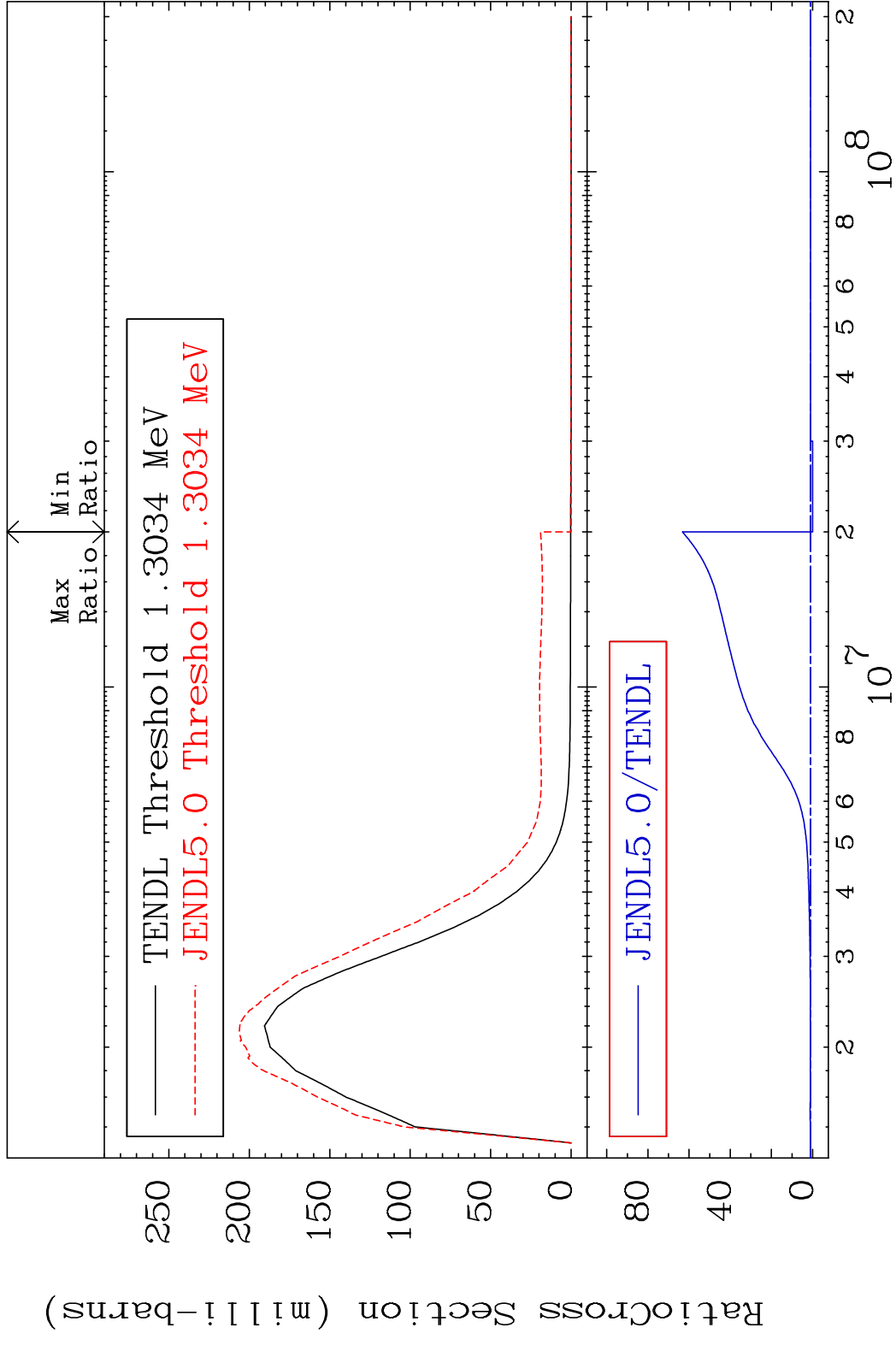


14 Incident Energy (eV) 56-Ba-137

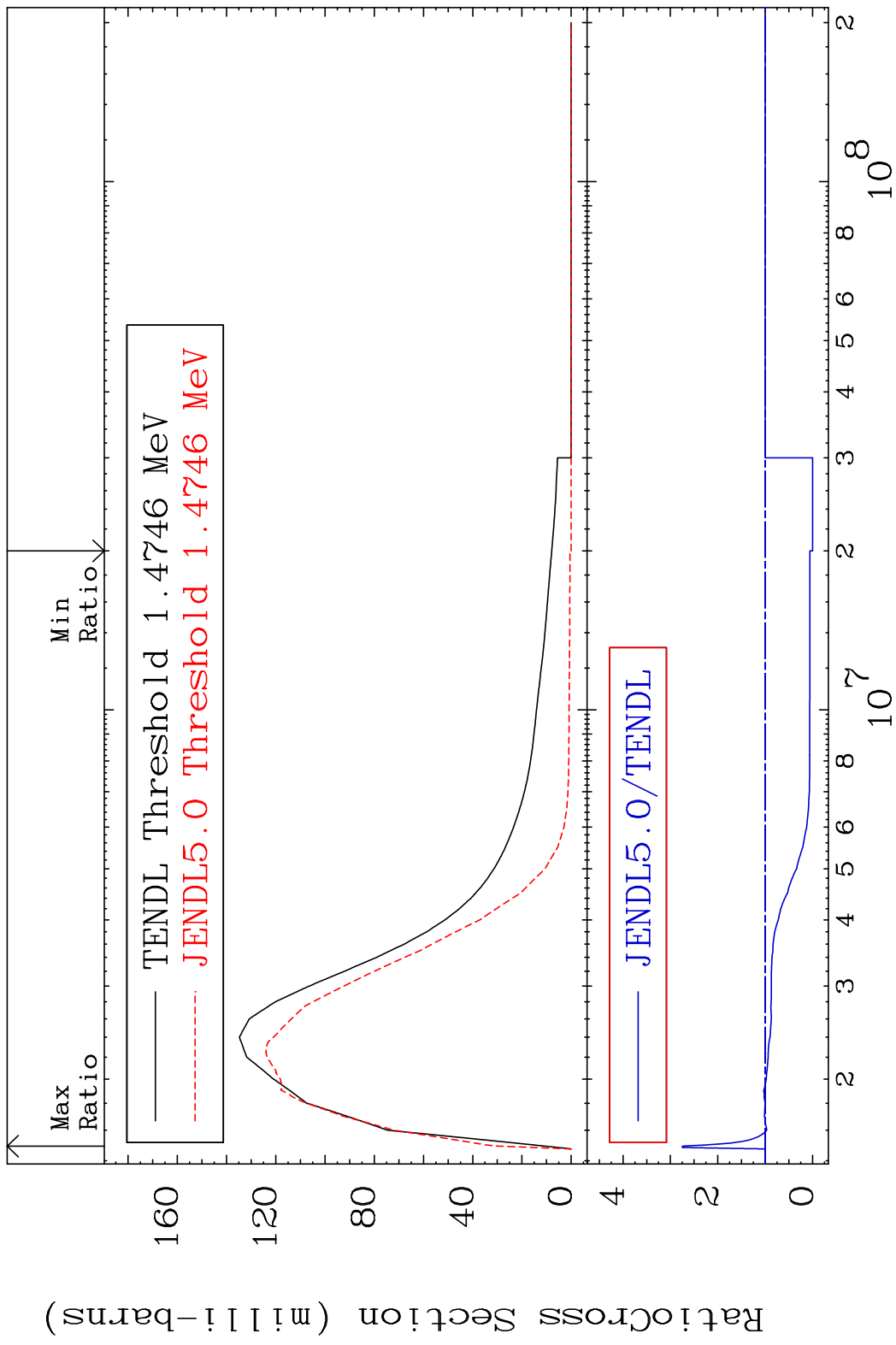
MAT 5646 MT= 55 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 418.6 %



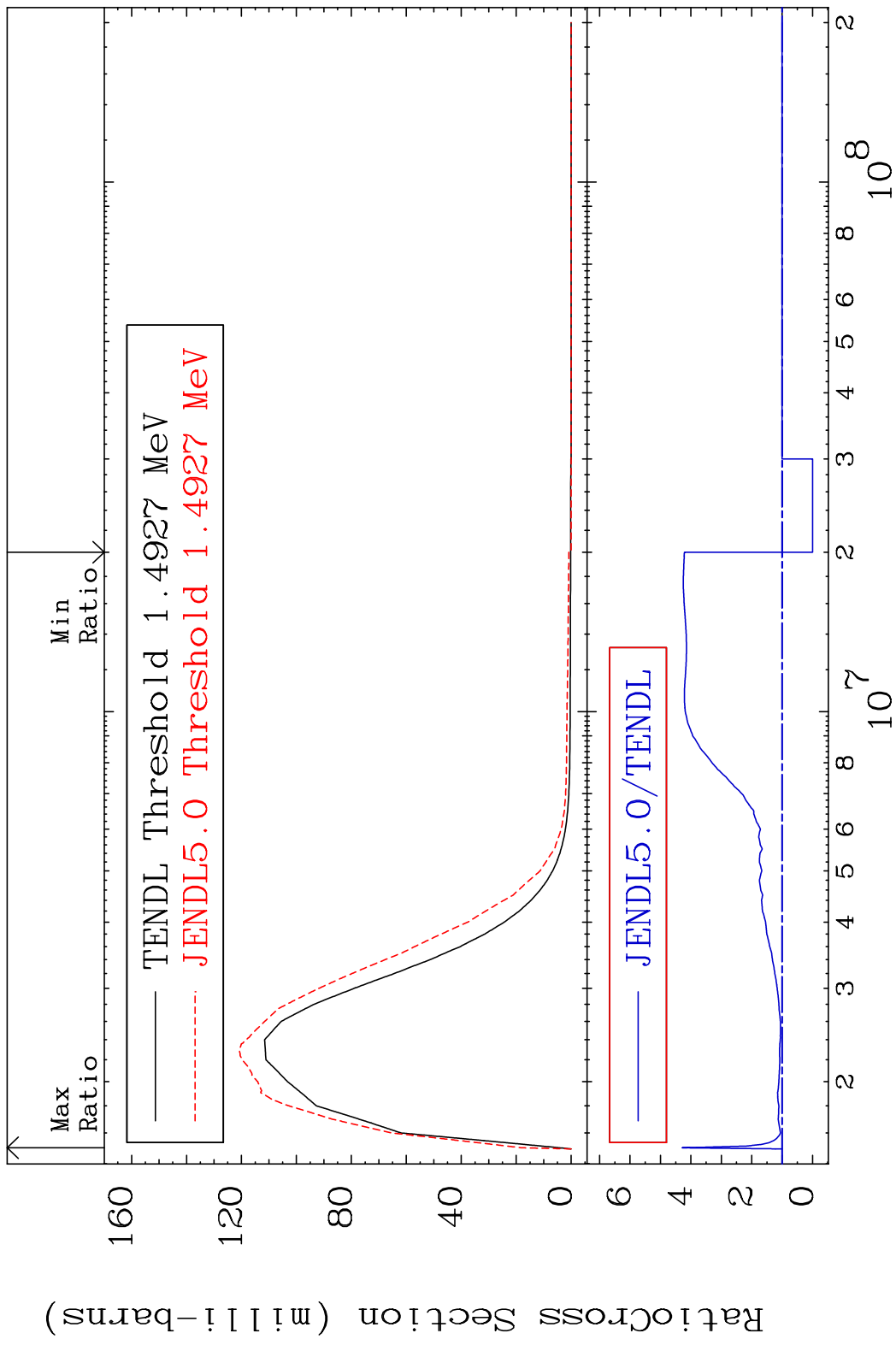
MAT 5646 MT= 56 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 6227. %



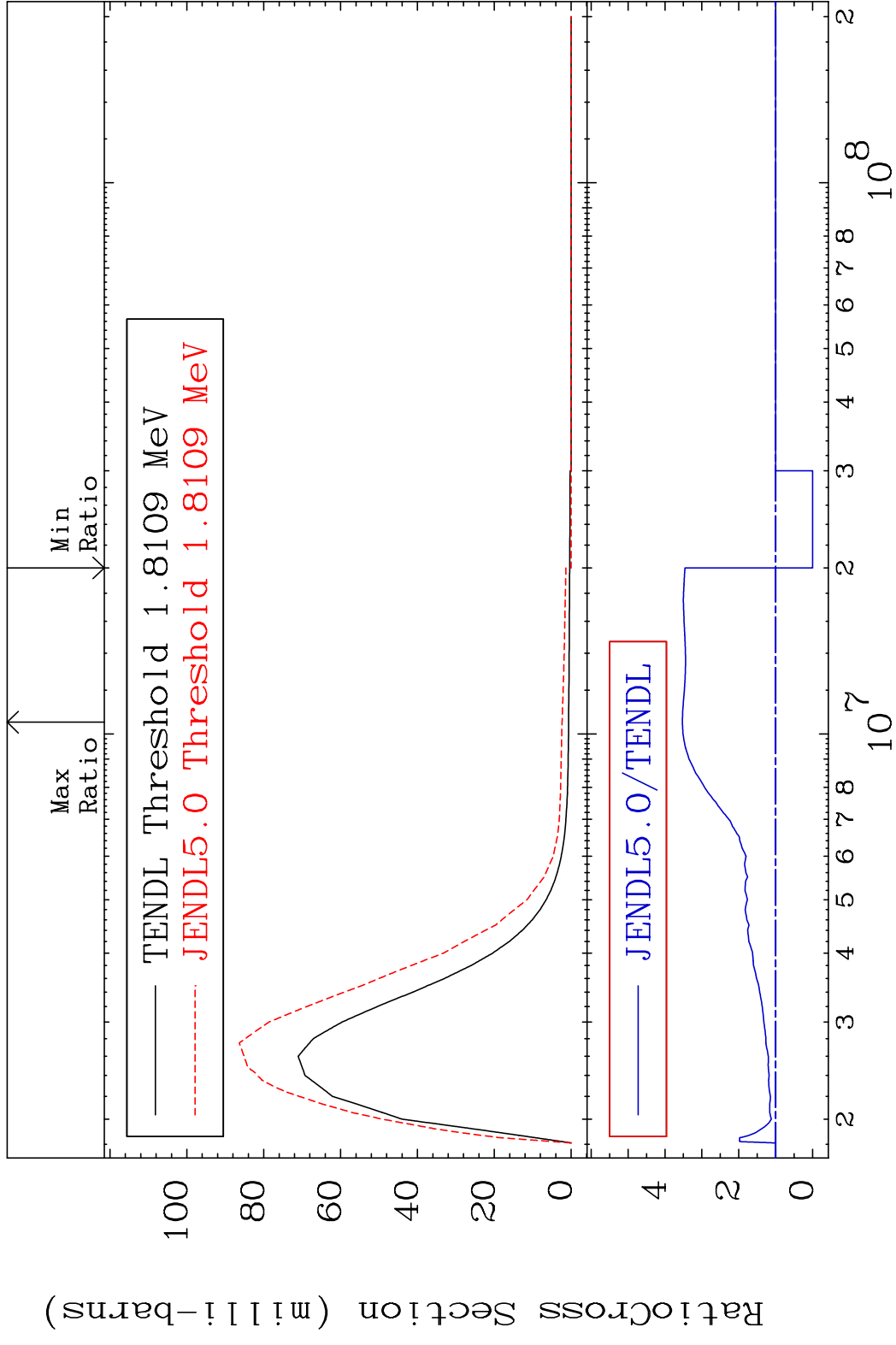
MAT 5646 MT= 57 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 174.8 %



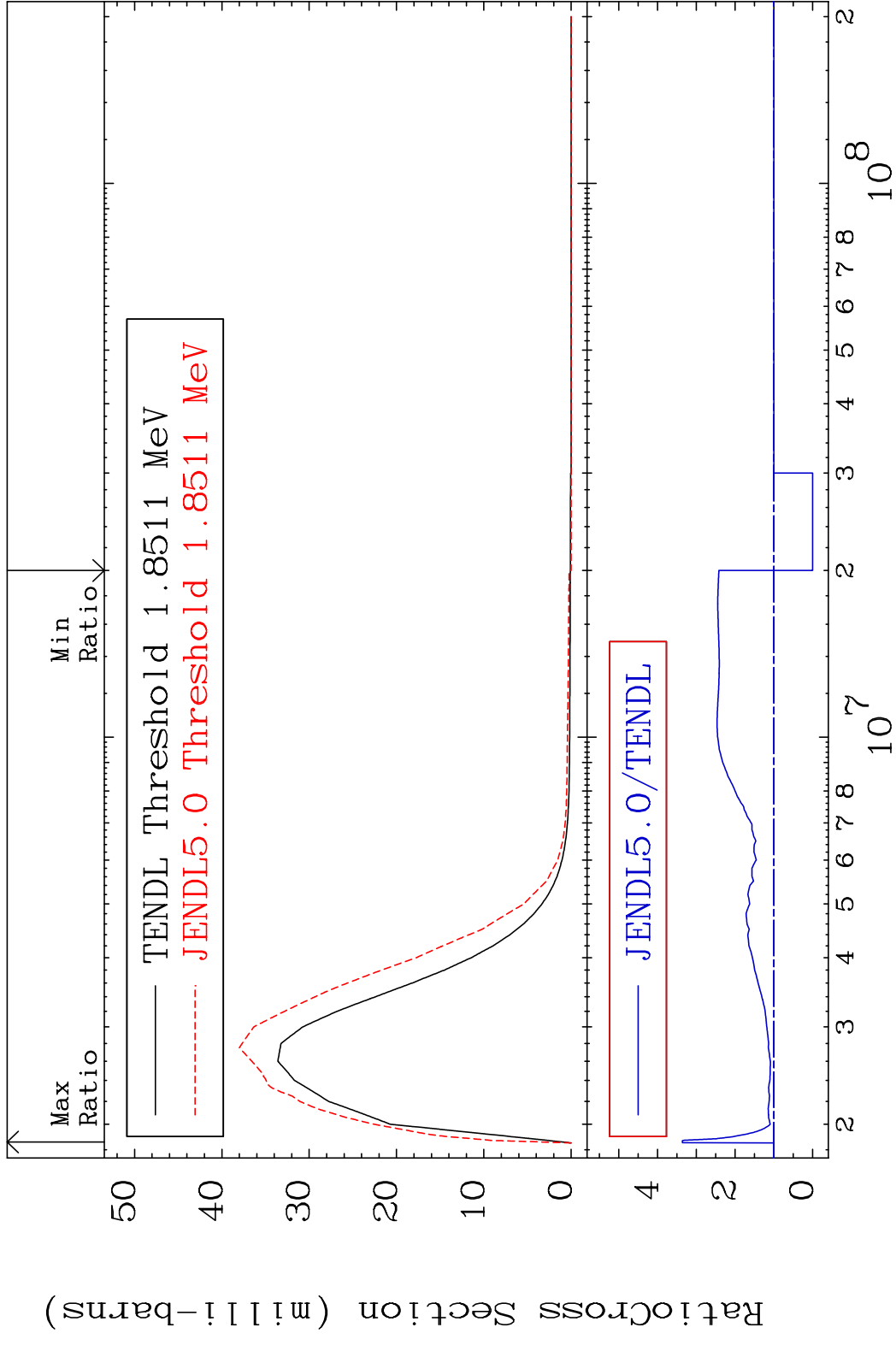
MAT 5646 MT= 58 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 328.0 %



MAT 5646 MT= 59 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 252.9 %

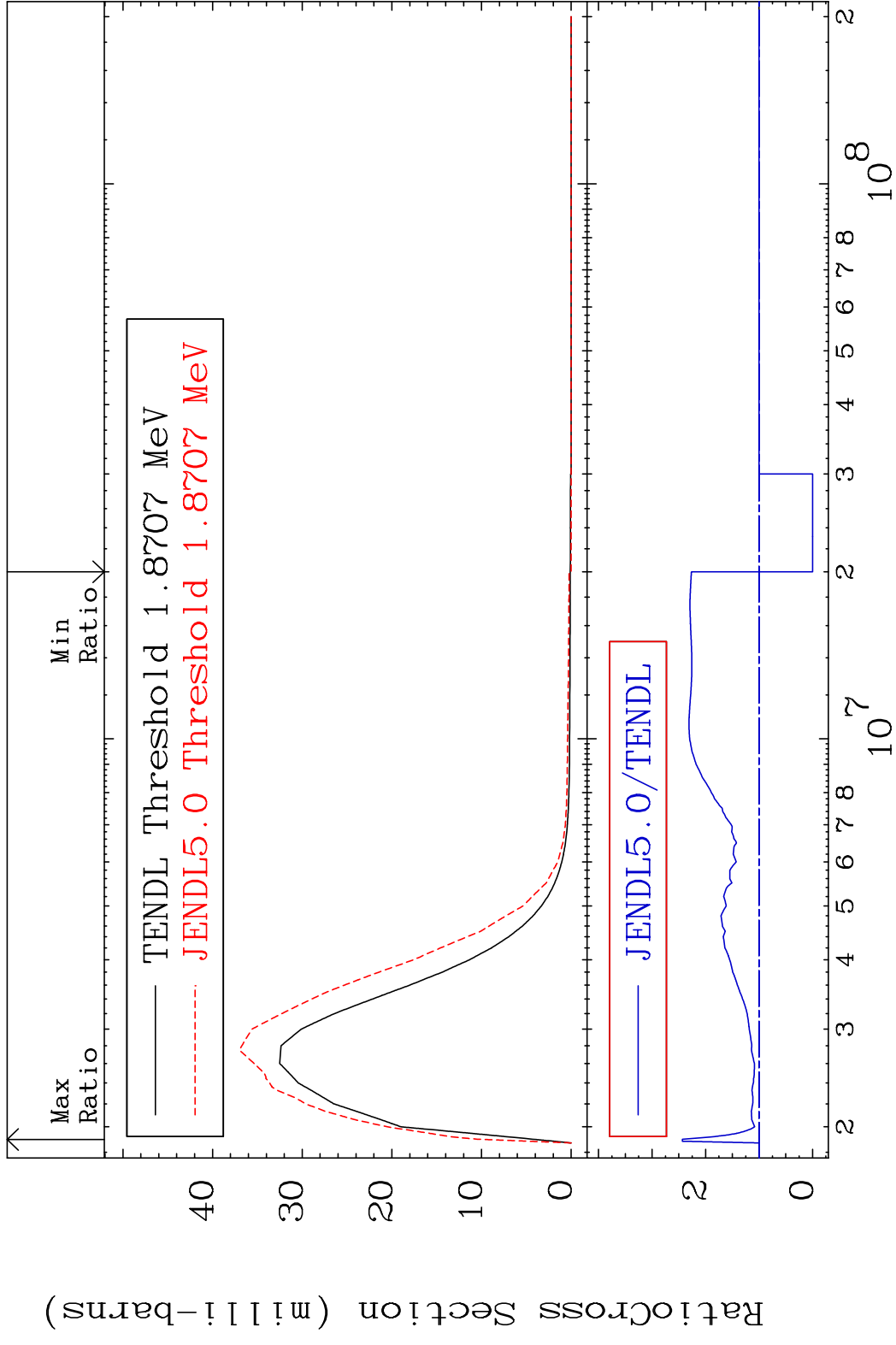


MAT 5646 MT= 60 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 236.0 %

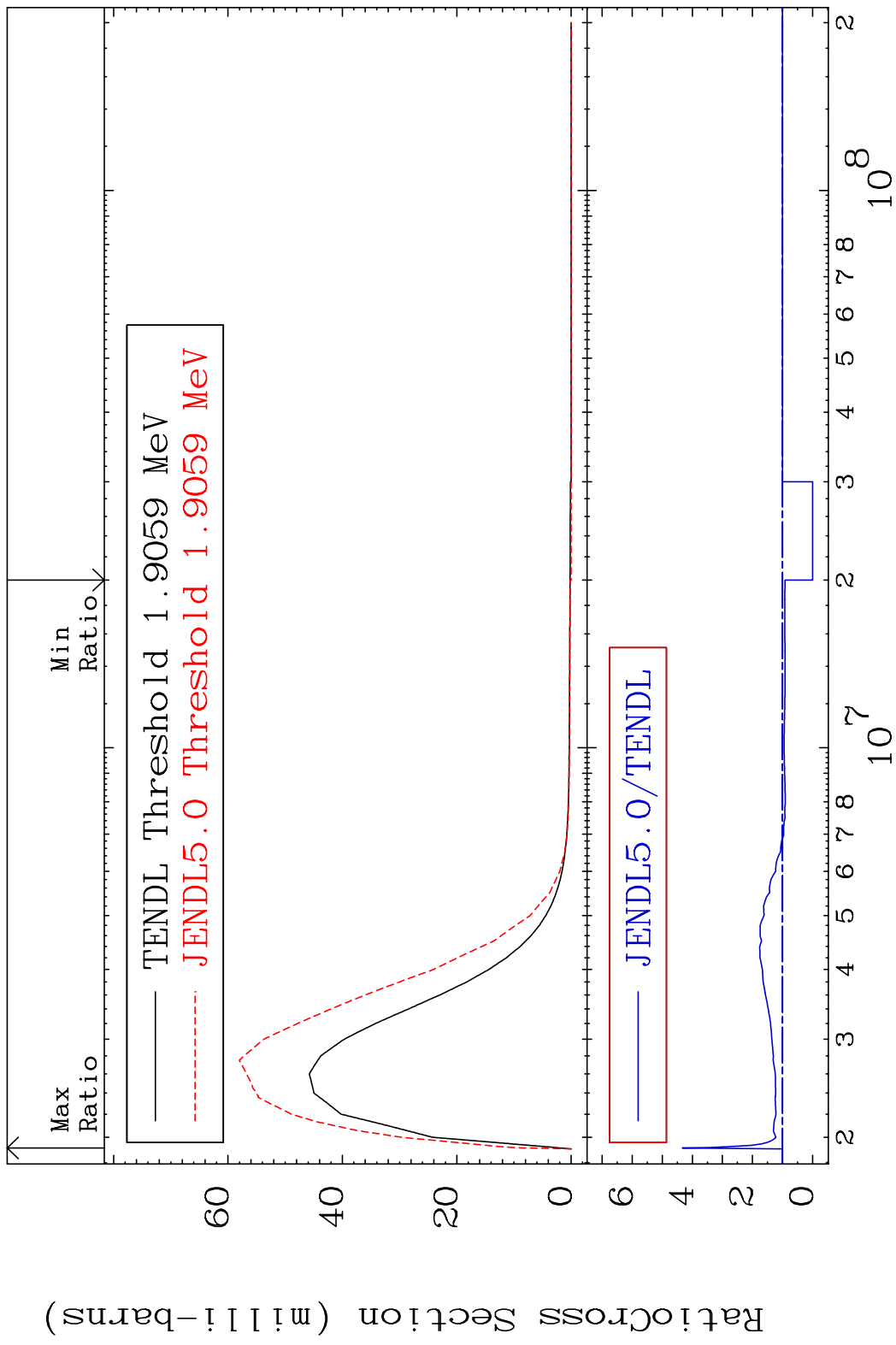


20 56-Ba-137

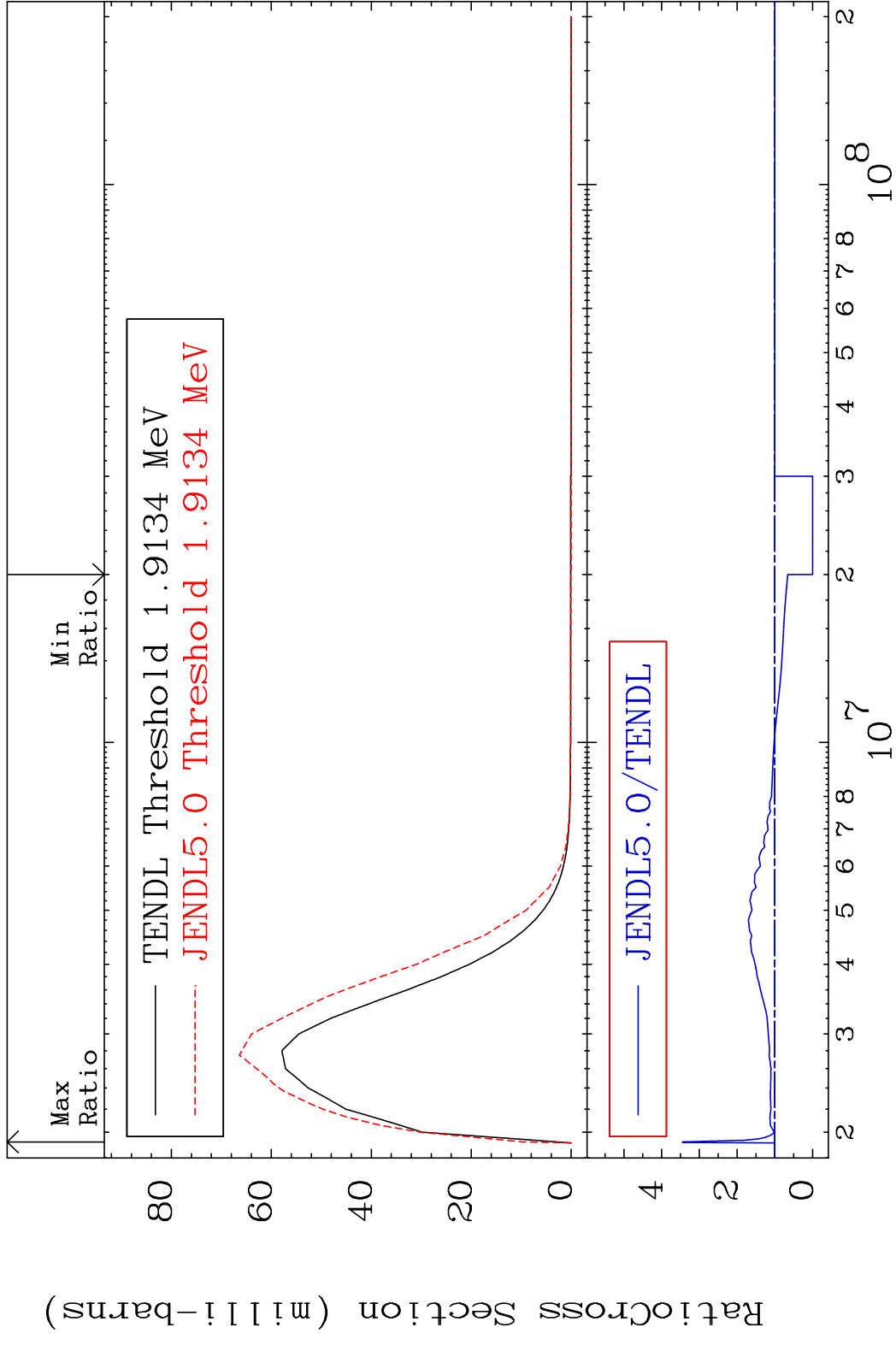
MAT 5646 MT= 61 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 143.4 %



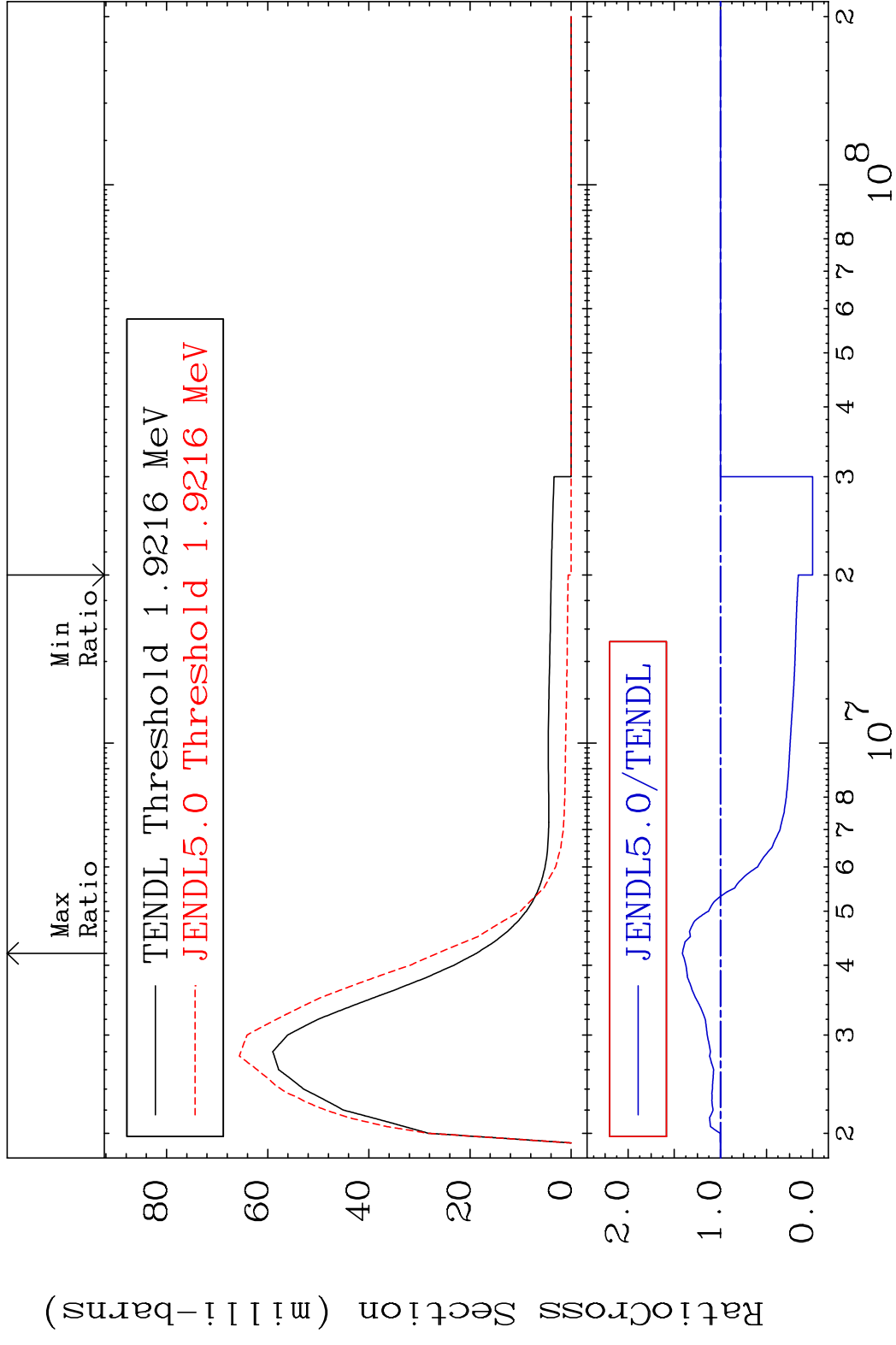
MAT 5646 MT= 62 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 333.3 %



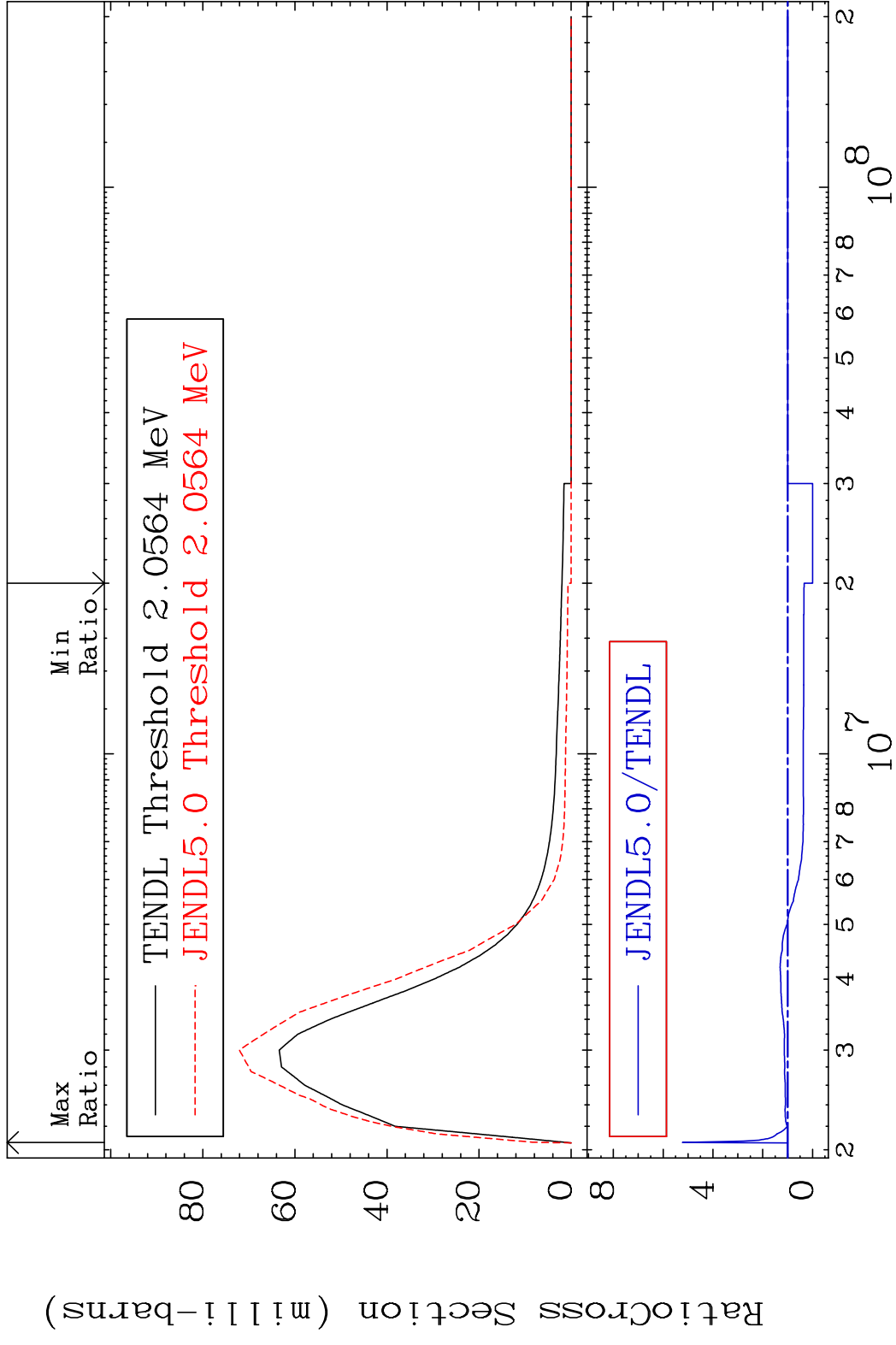
MAT 5646 MT= 63 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 245.1 %



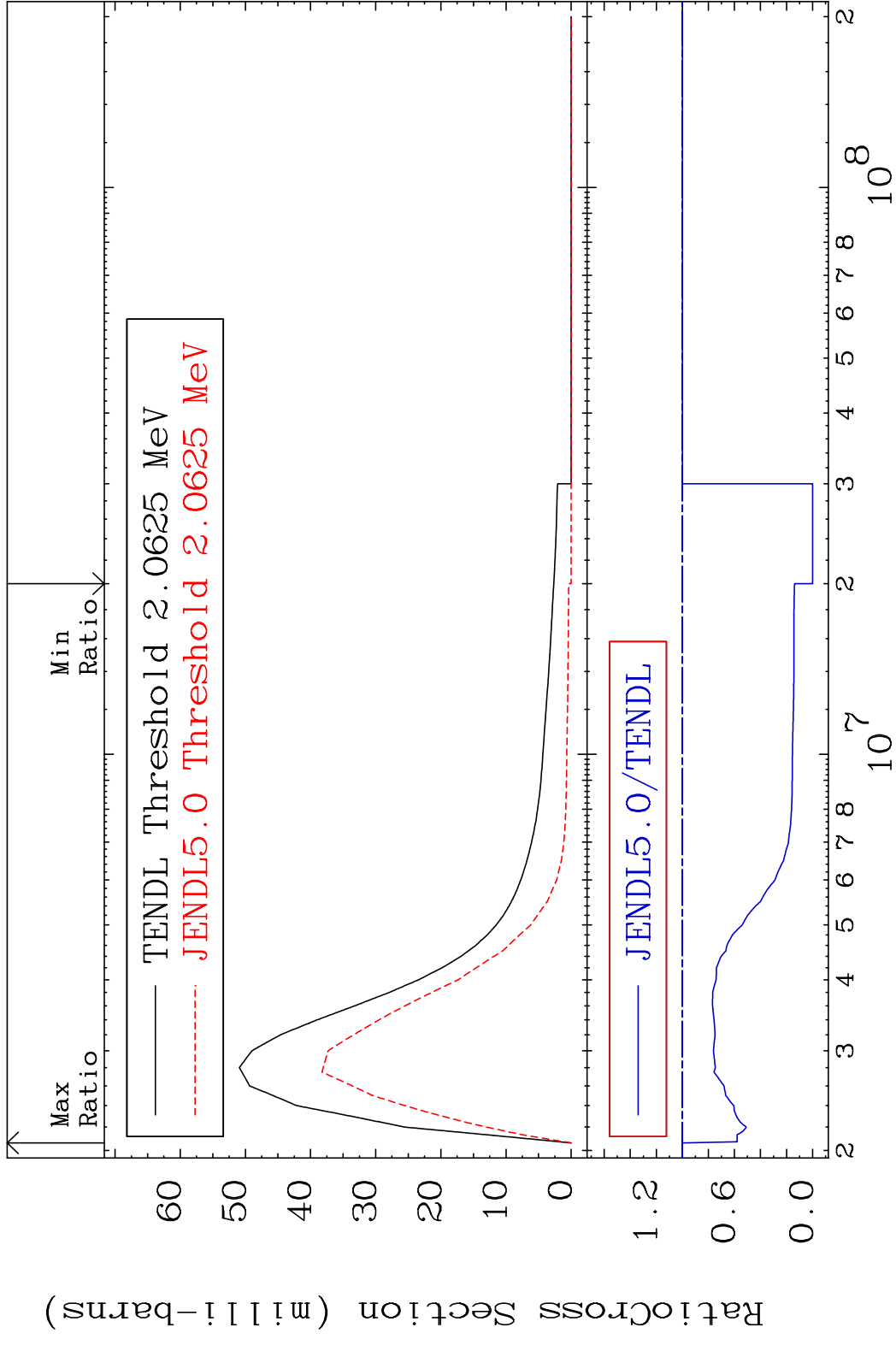
MAT 5646 MT= 64 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 41.25 %



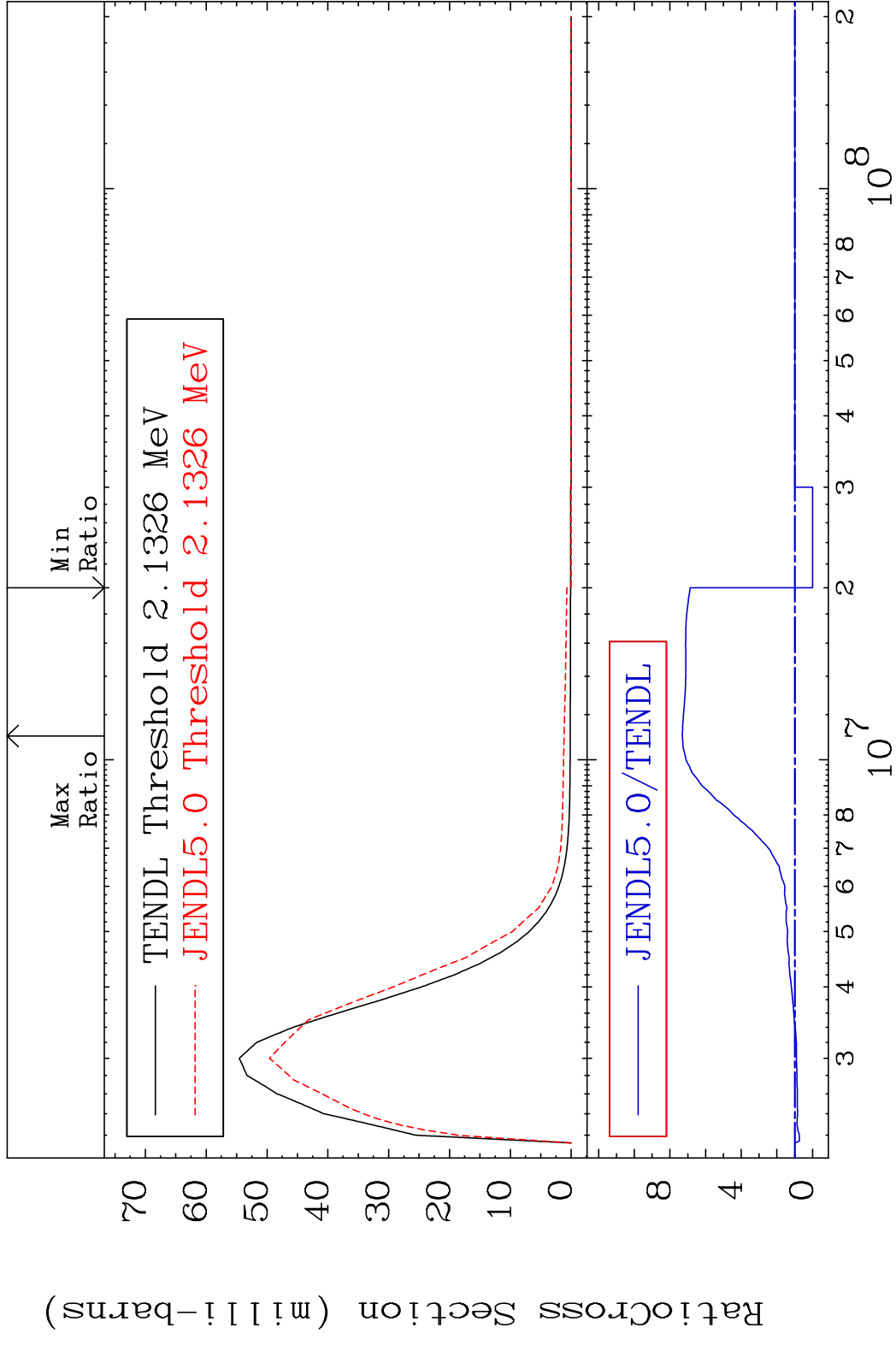
MAT 5646 MT= 65 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 422.9 %



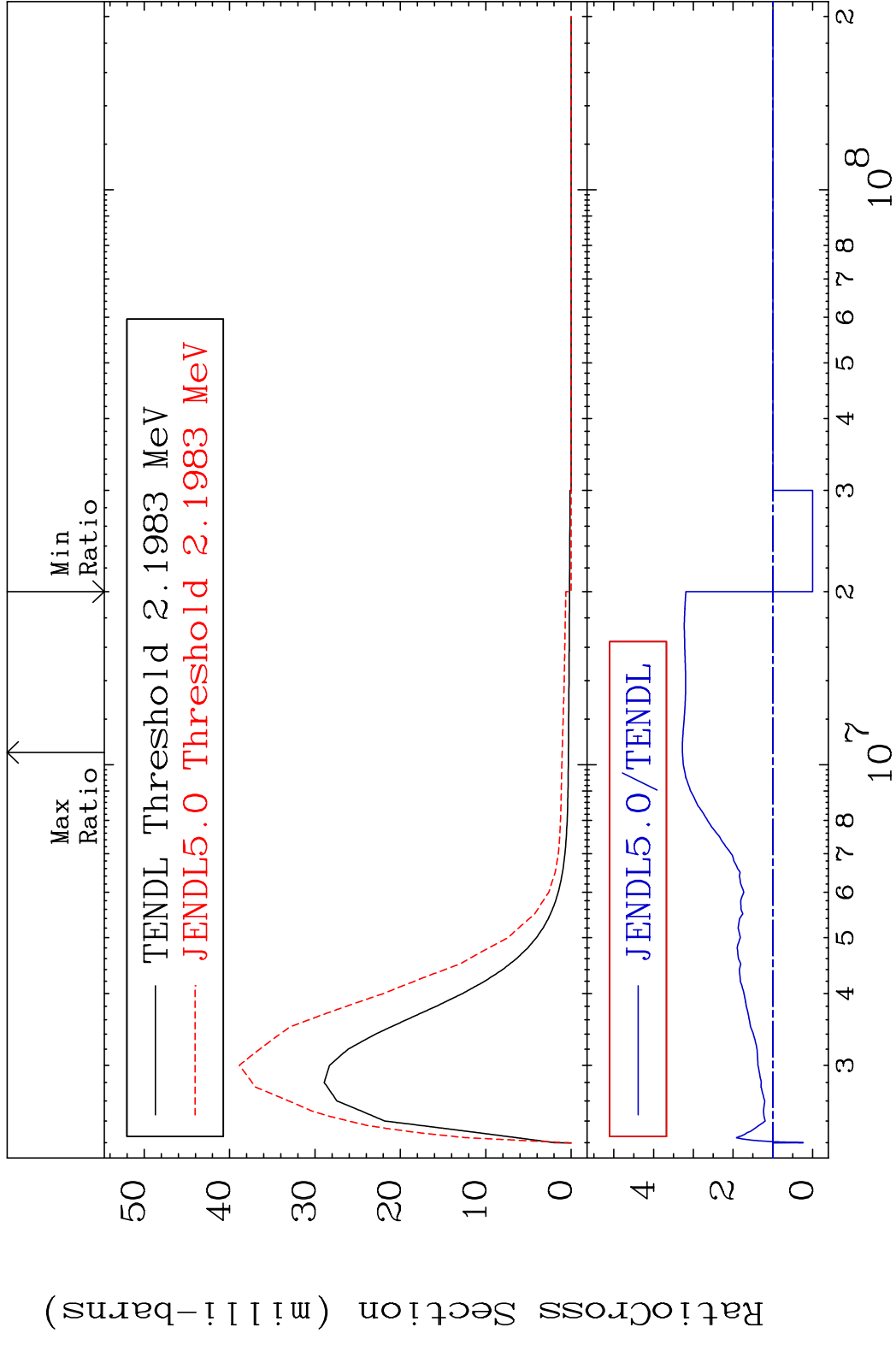
MAT 5646 MT= 66 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 0.000 %



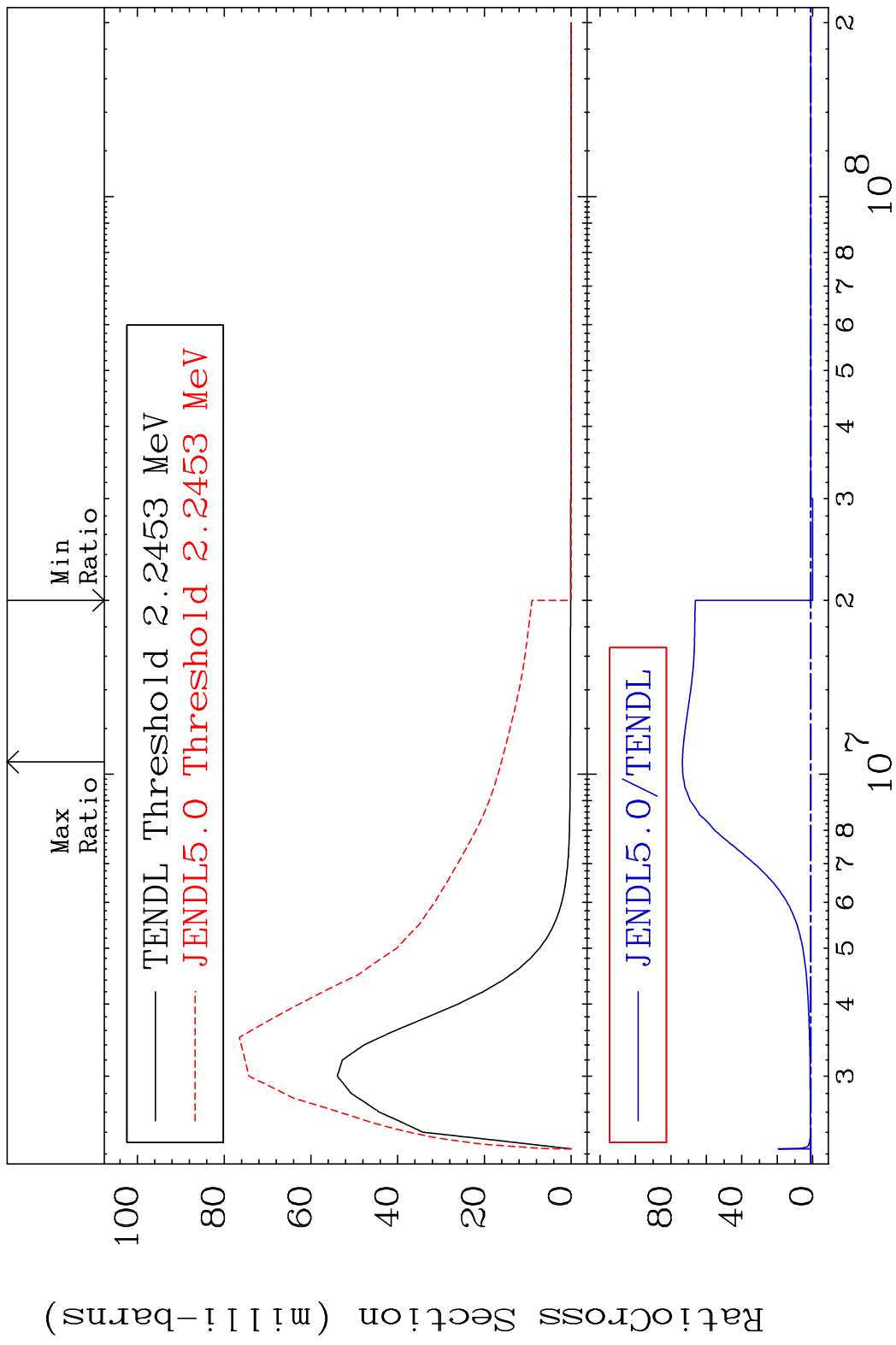
MAT 5646 MT= 67 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 630.3 %



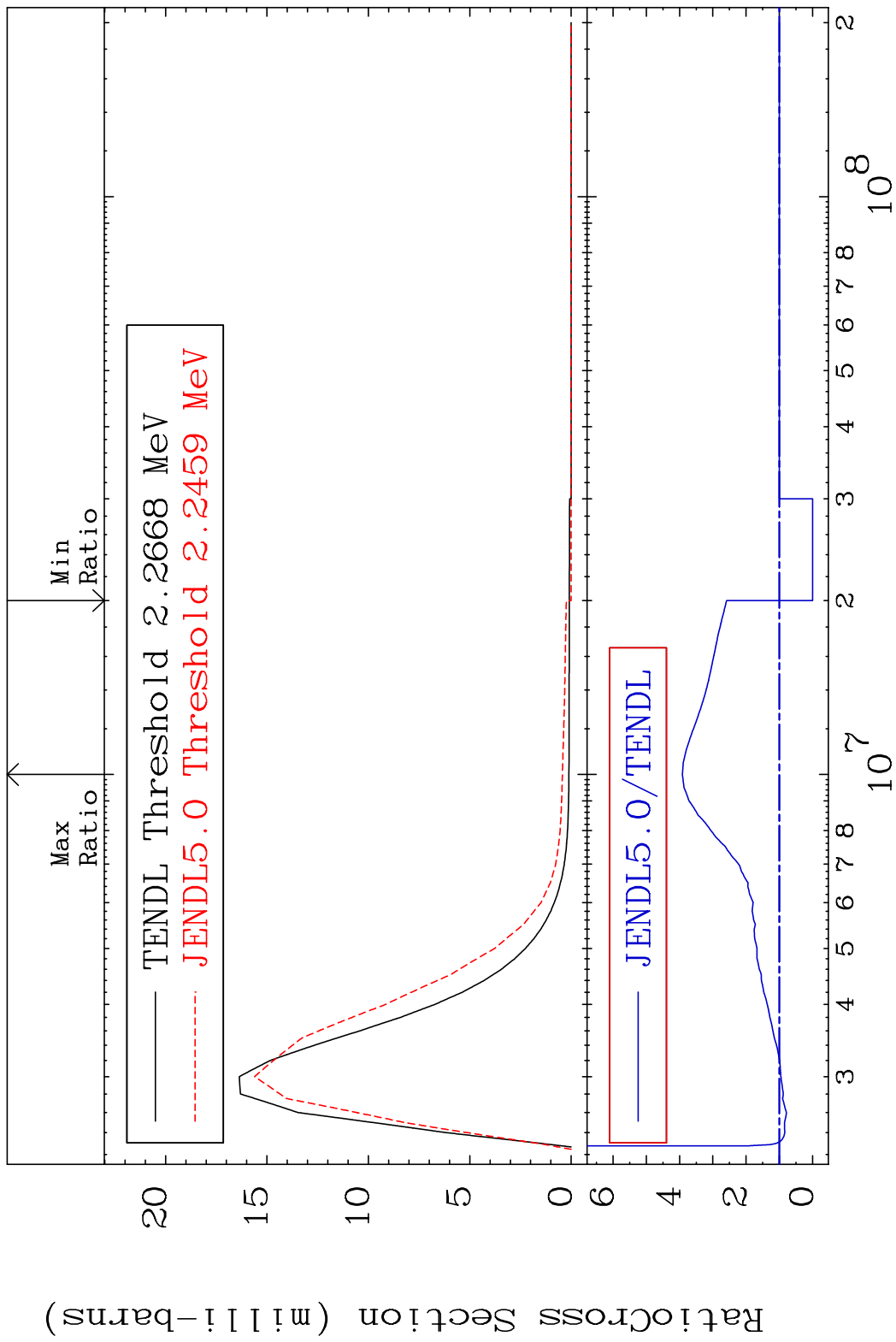
MAT 5646 MT= 68 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 227.6 %



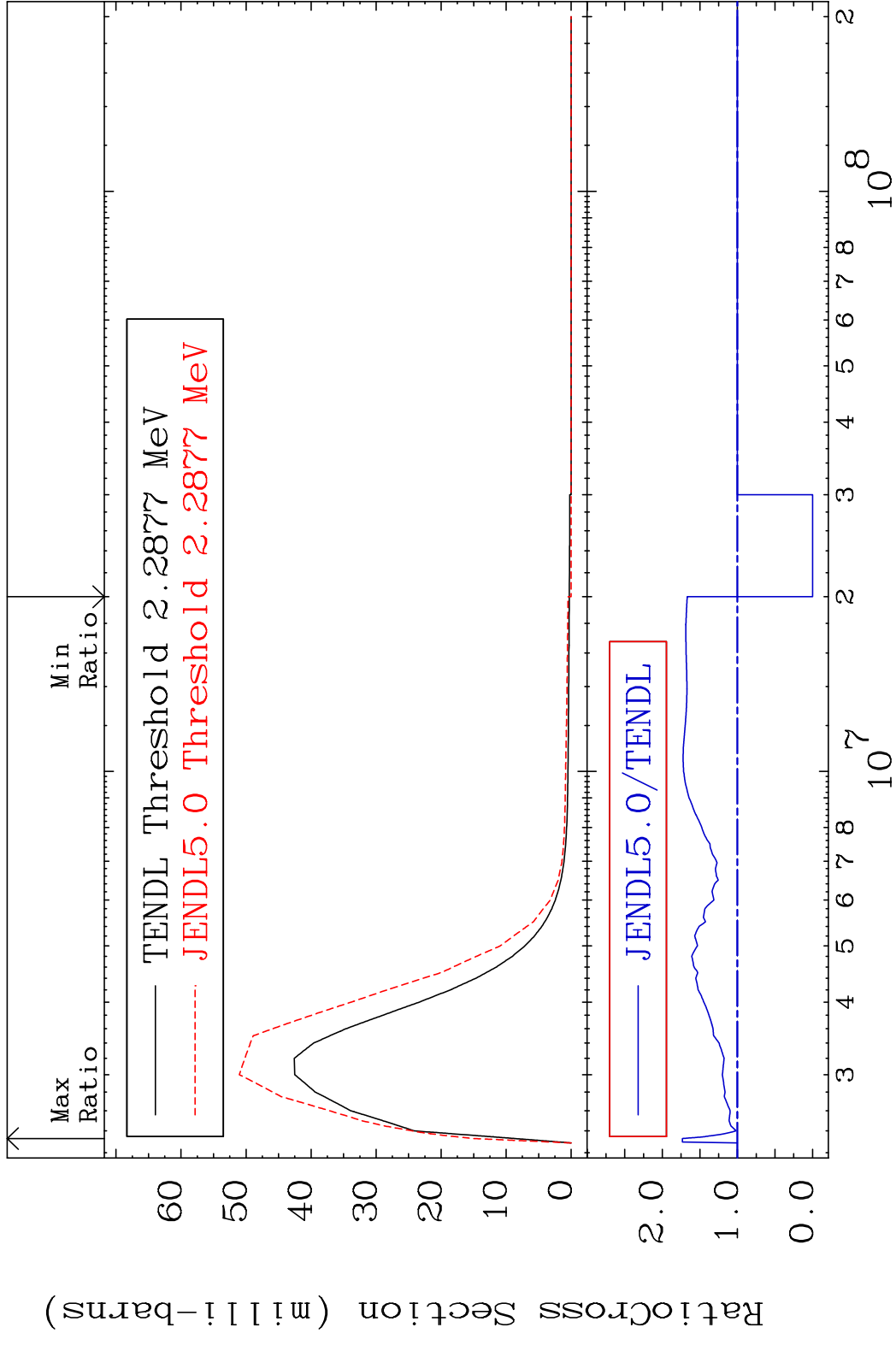
MAT 5646 MT= 69 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 7254. %



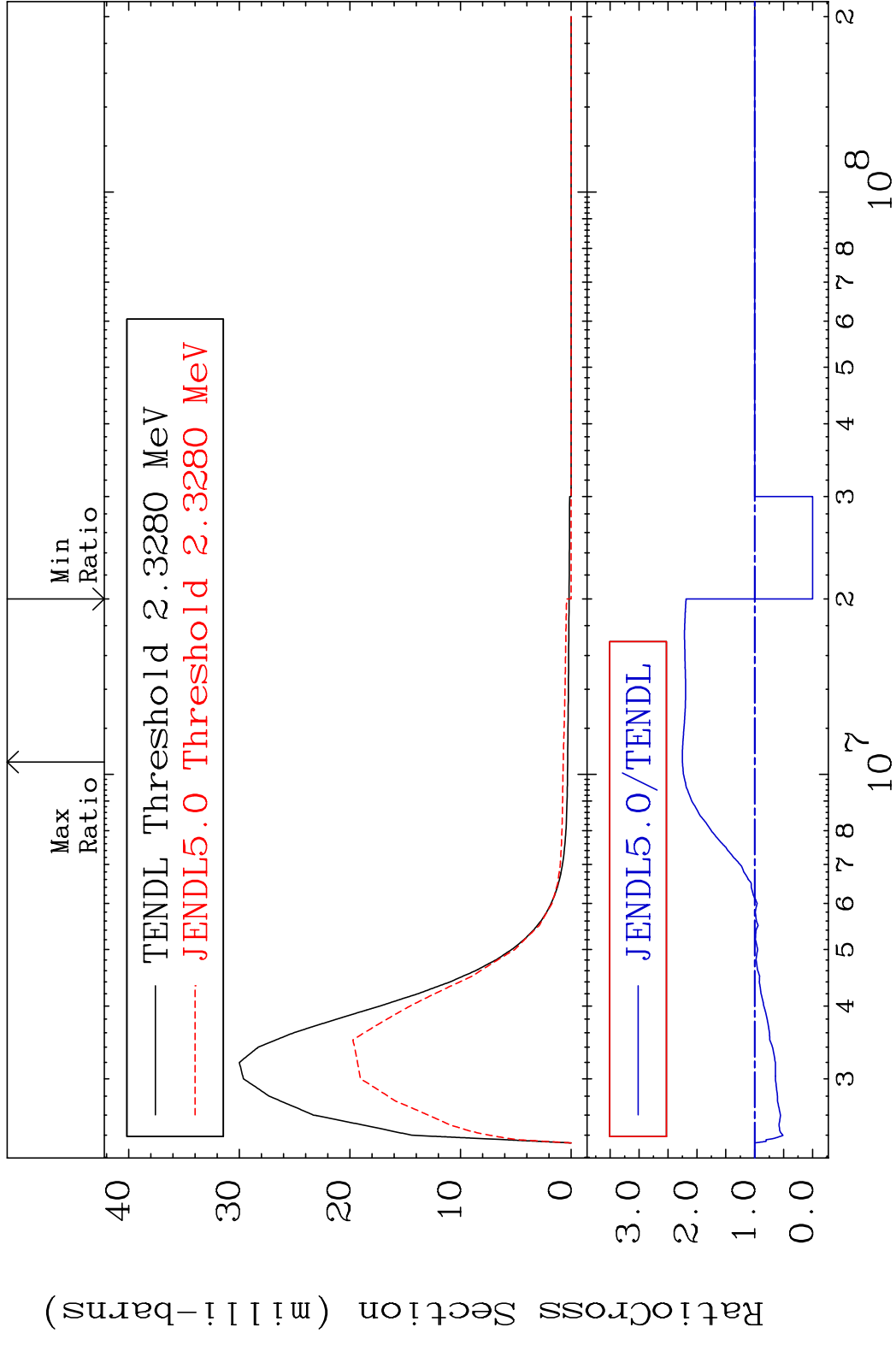
MAT 5646 MT= 70 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 291.7 %



MAT 5646 MT= 71 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 73.32 %

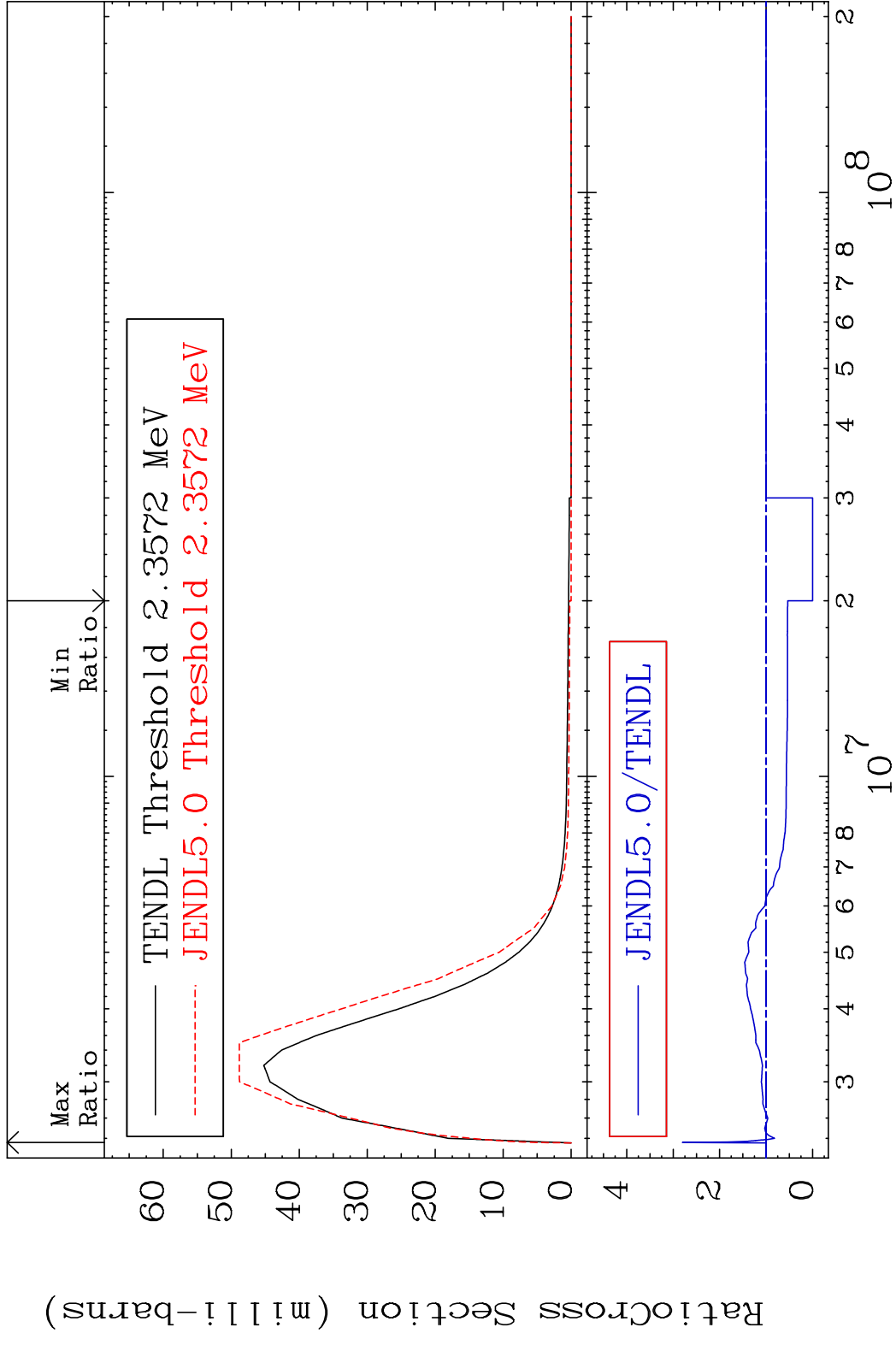


MAT 5646 MT= 72 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 125.2 %

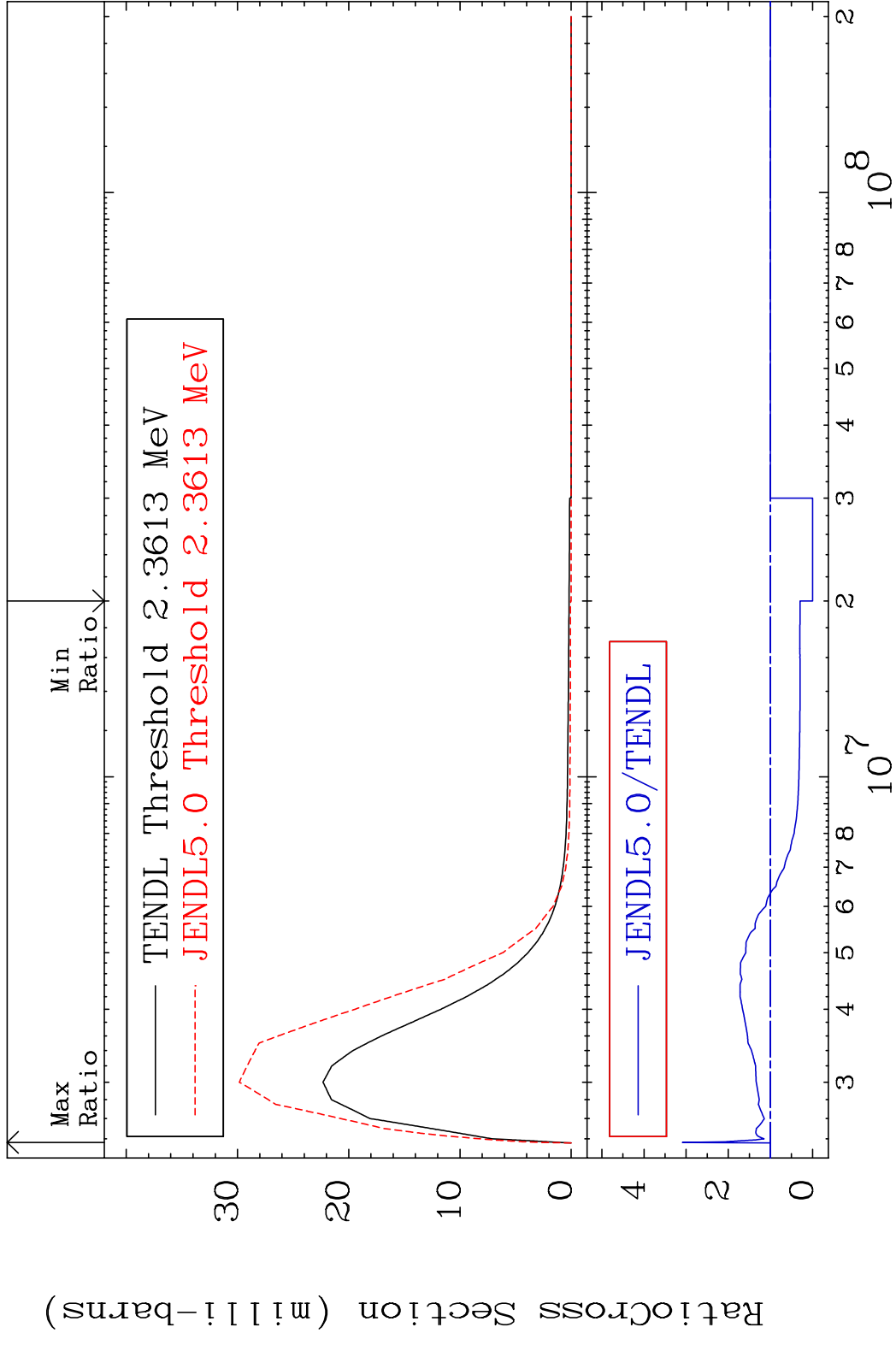


32 Incident Energy (eV) 56-Ba-137

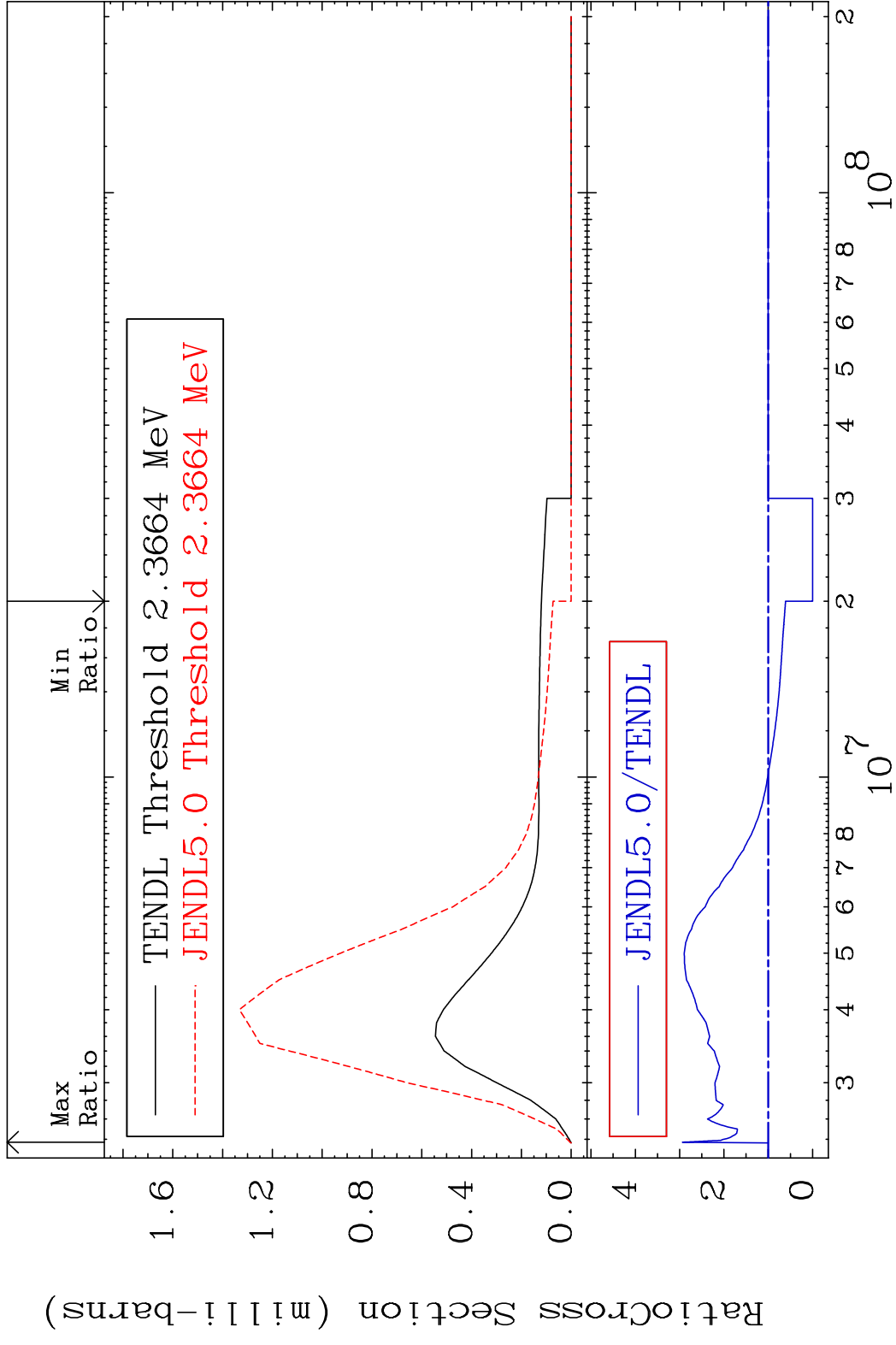
MAT 5646 MT= 73 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 180.3 %



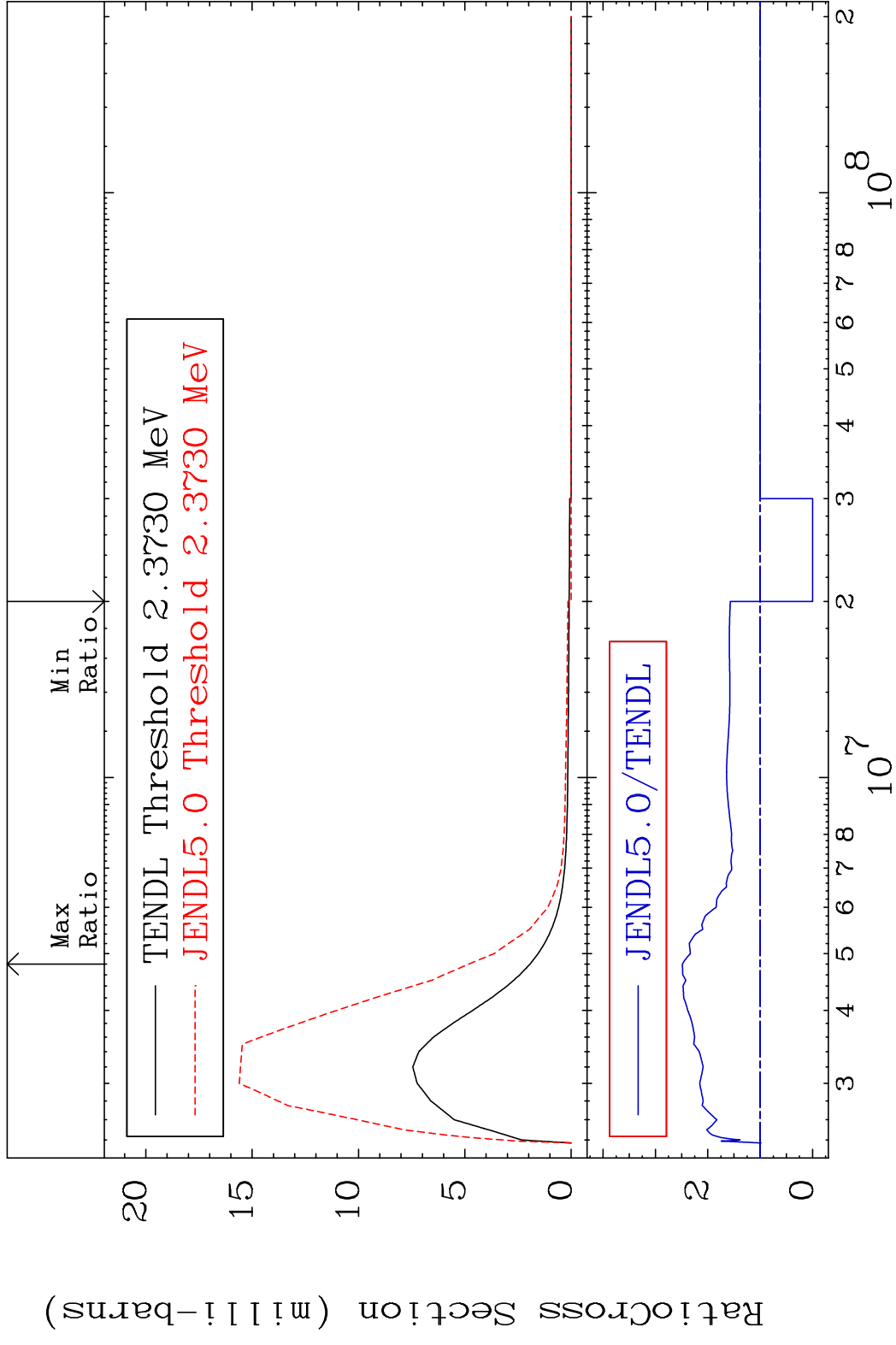
MAT 5646 MT= 74 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 208.9 %



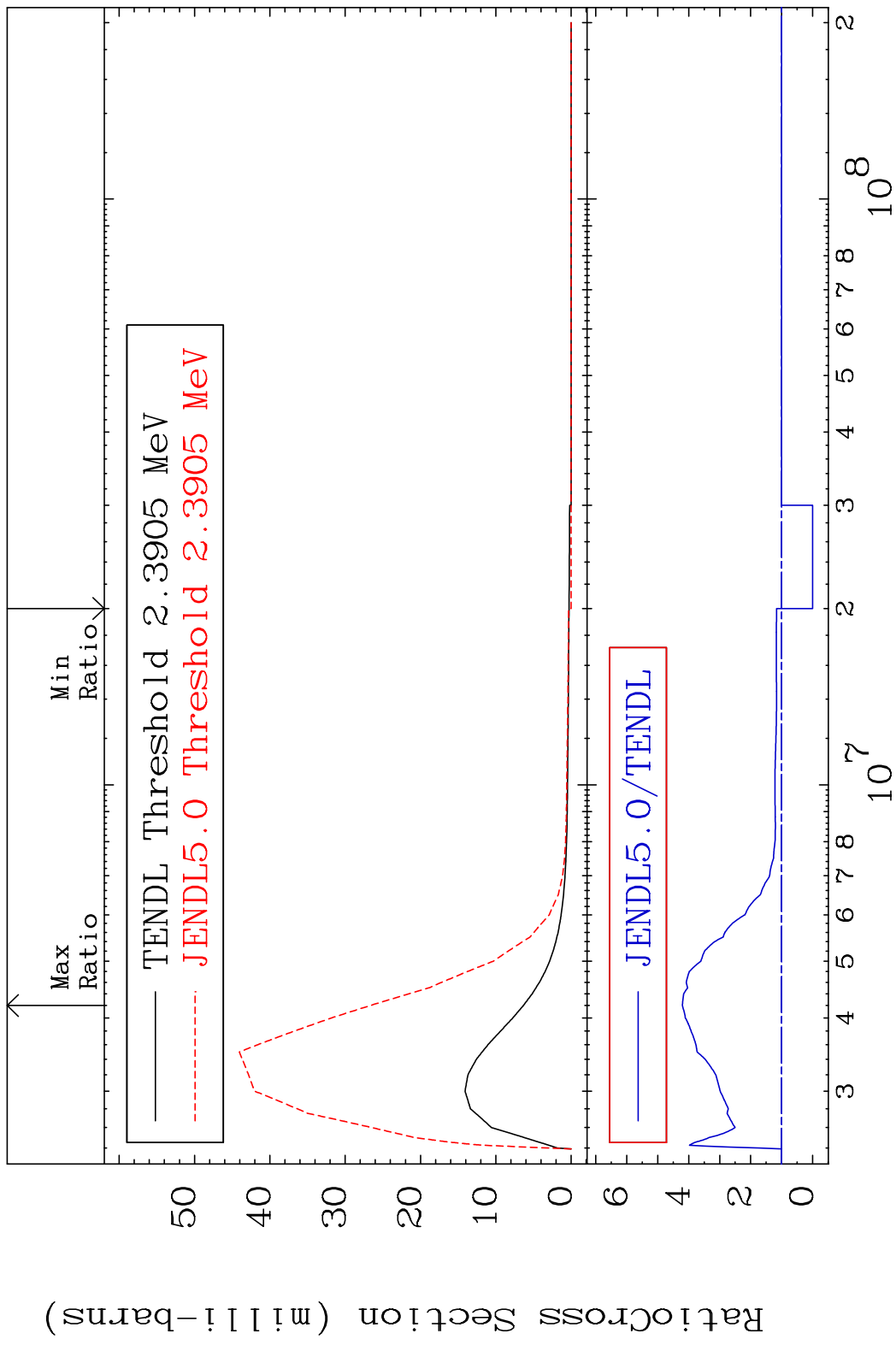
MAT 5646 MT= 75 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 193.8 %



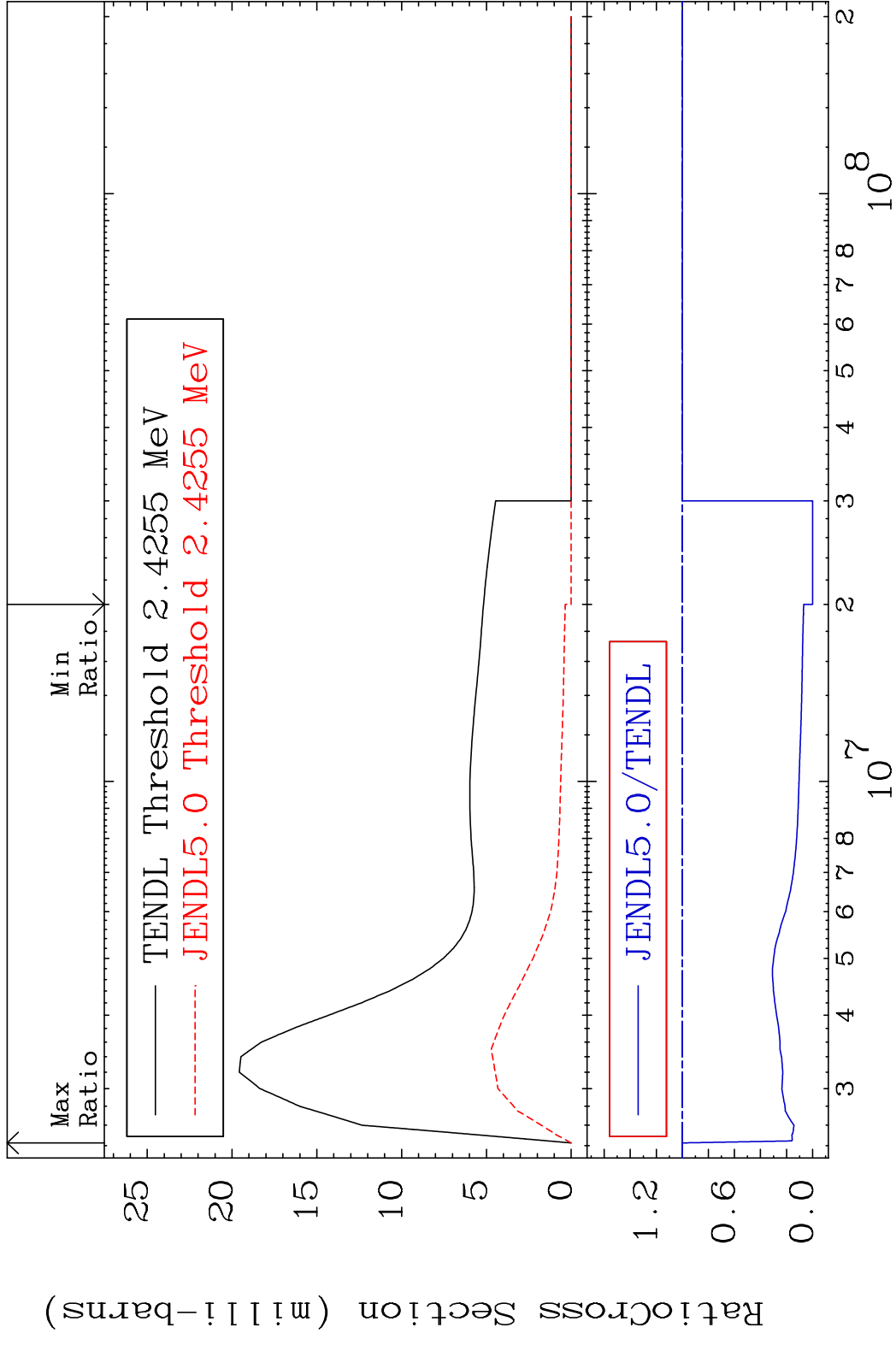
MAT 5646 MT= 76 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 148.6 %



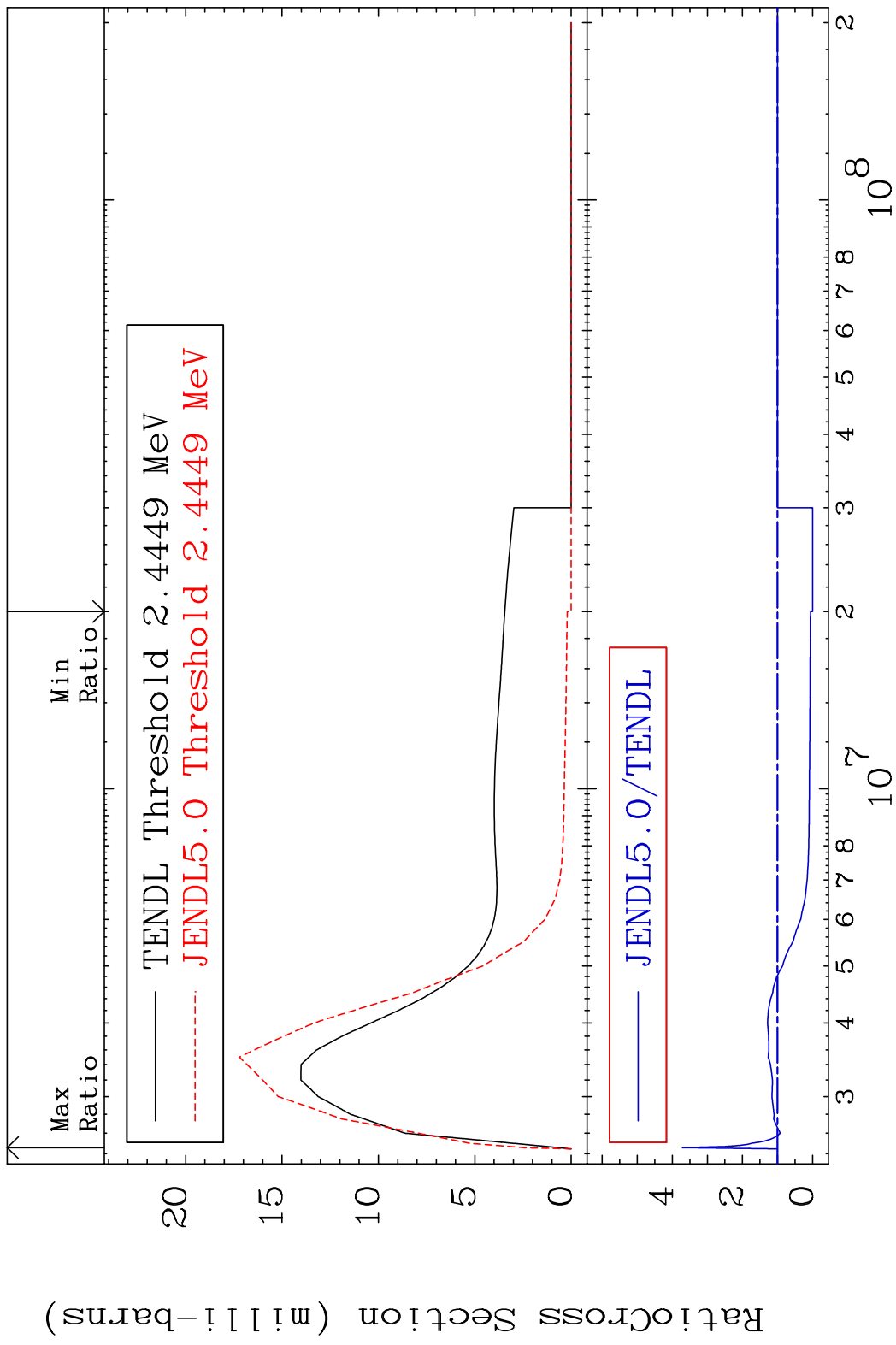
MAT 5646 MT= 77 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 320.6 %



MAT 5646 MT= 78 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 0.000 %

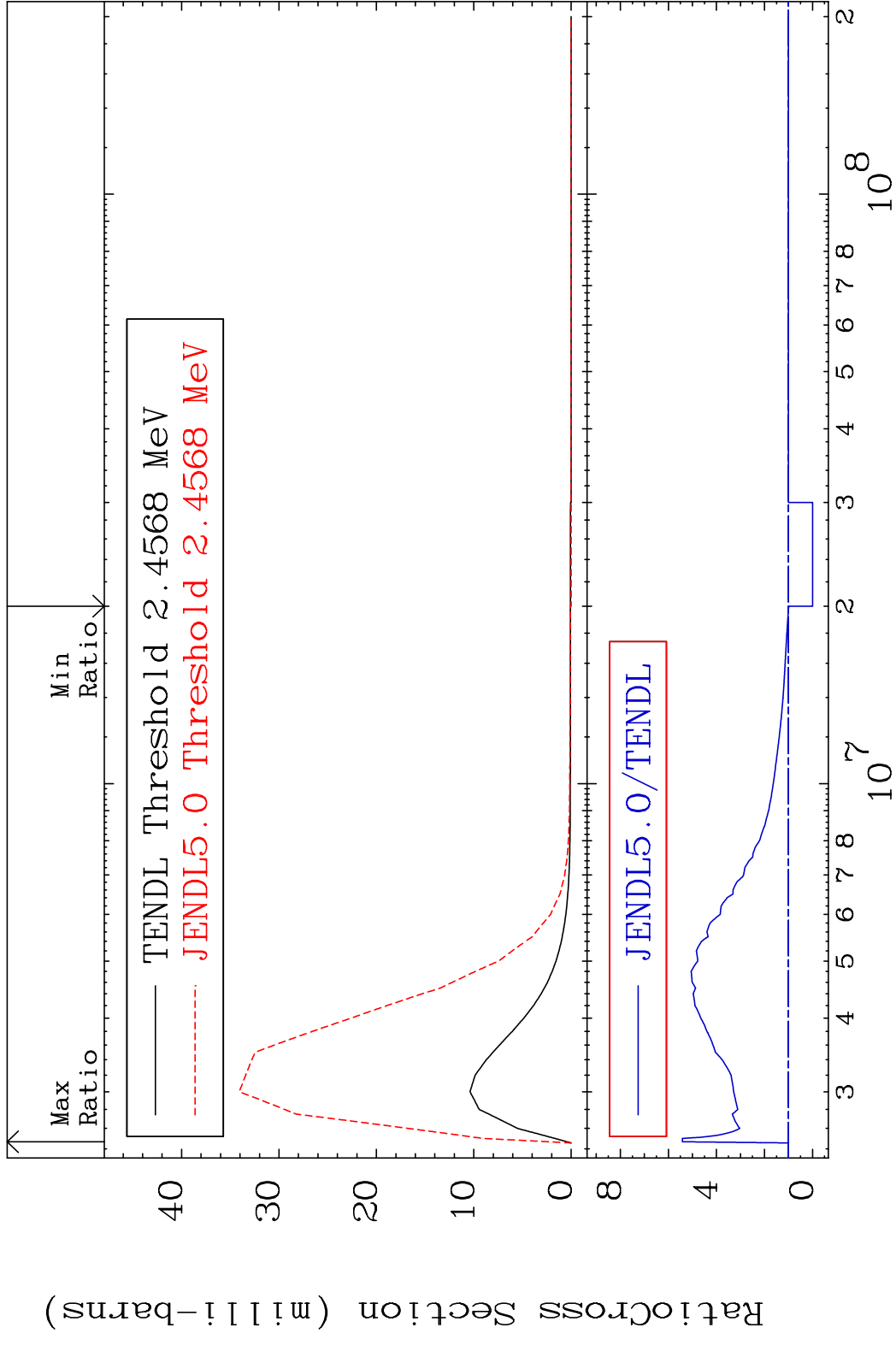


MAT 5646 MT= 79 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 271.4 %



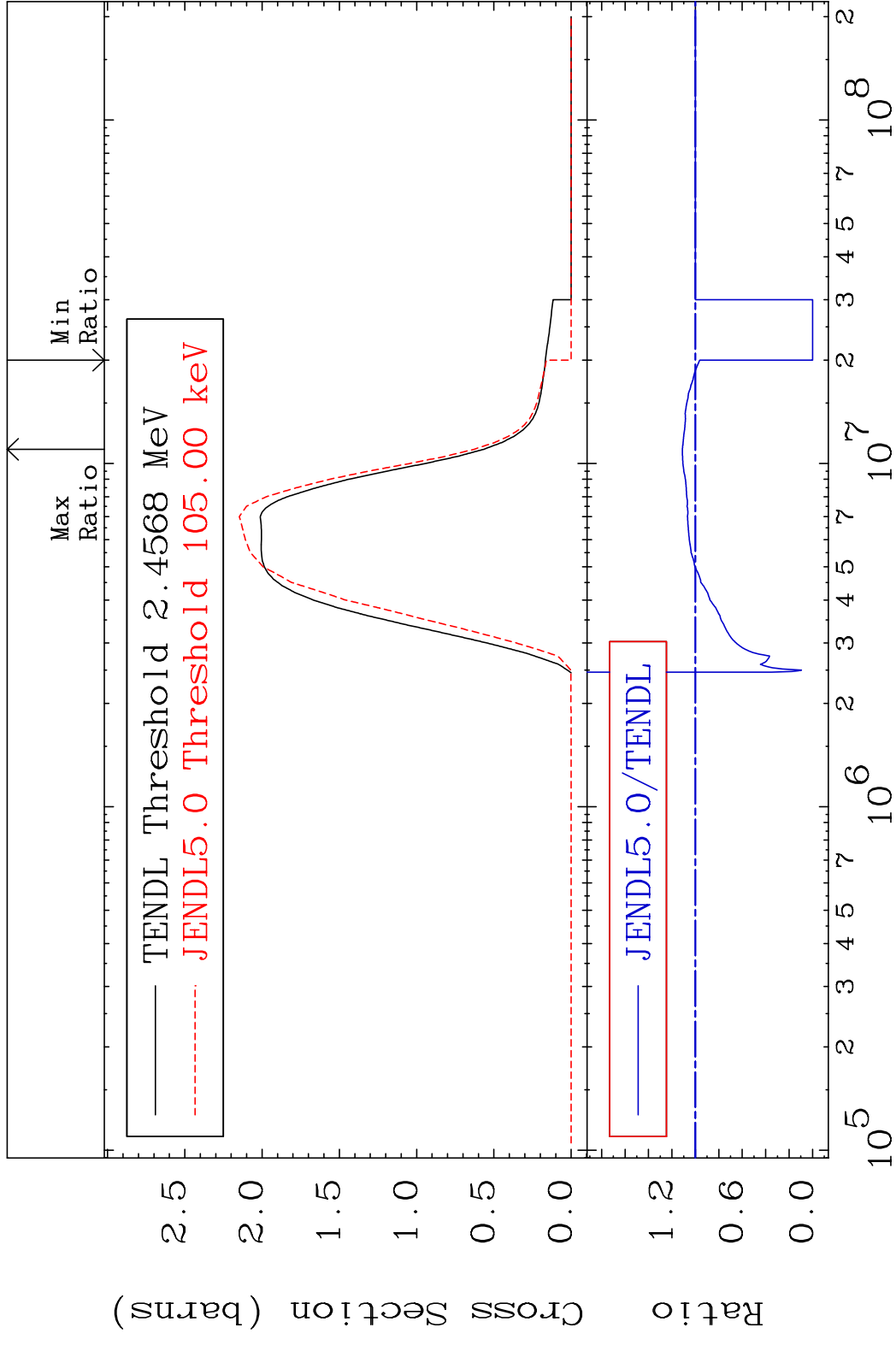
39 56-Ba-137

MAT 5646 MT= 80 (n, n') Level 56-Ba-137
 Cross Section -100.0 To 441.8 %



40 3 4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 56-Ba-137

MAT 5646 (n, n') Continuum 56-Ba-137
 Cross Section -100.0 To 11.11 %



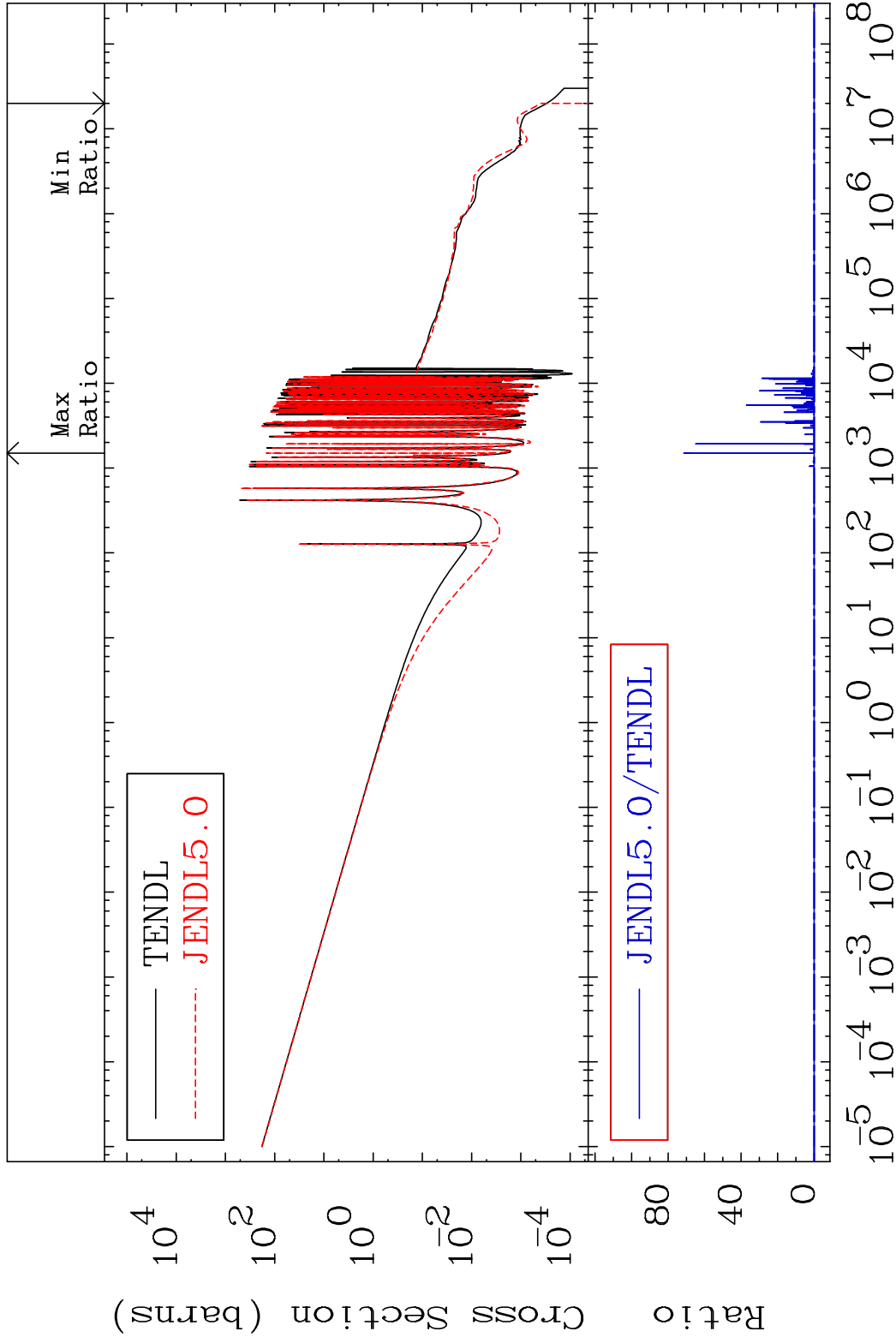
41 Incident Energy (eV) 56-Ba-137

MAT 5646

(n, γ)

56-Ba-137

Cross Section -100.0 To 9999. %

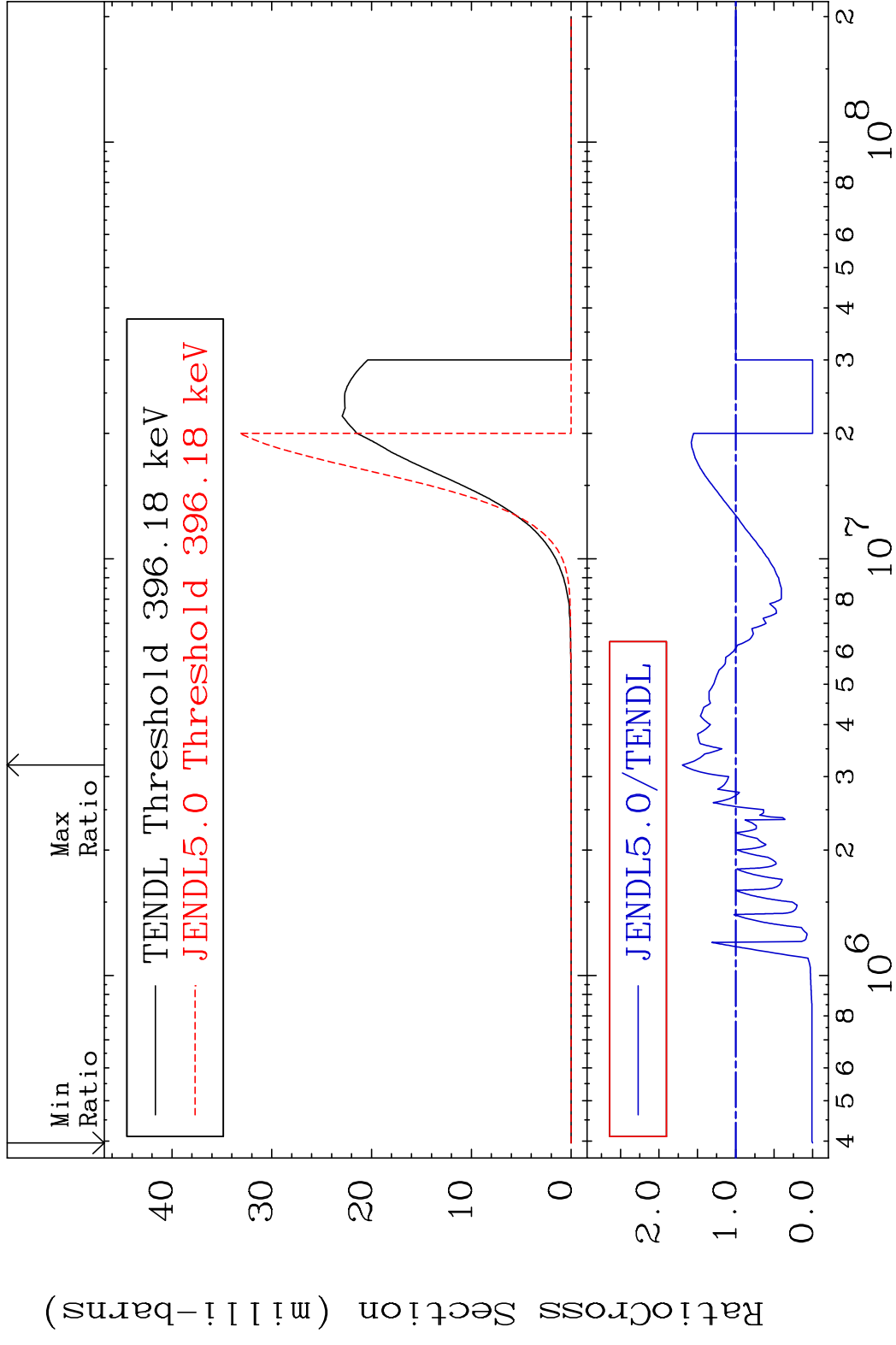


42

Incident Energy (eV)

56-Ba-137

MAT 5646 (n,p) 56-Ba-137
 Cross Section -100.0 To 69.56 %

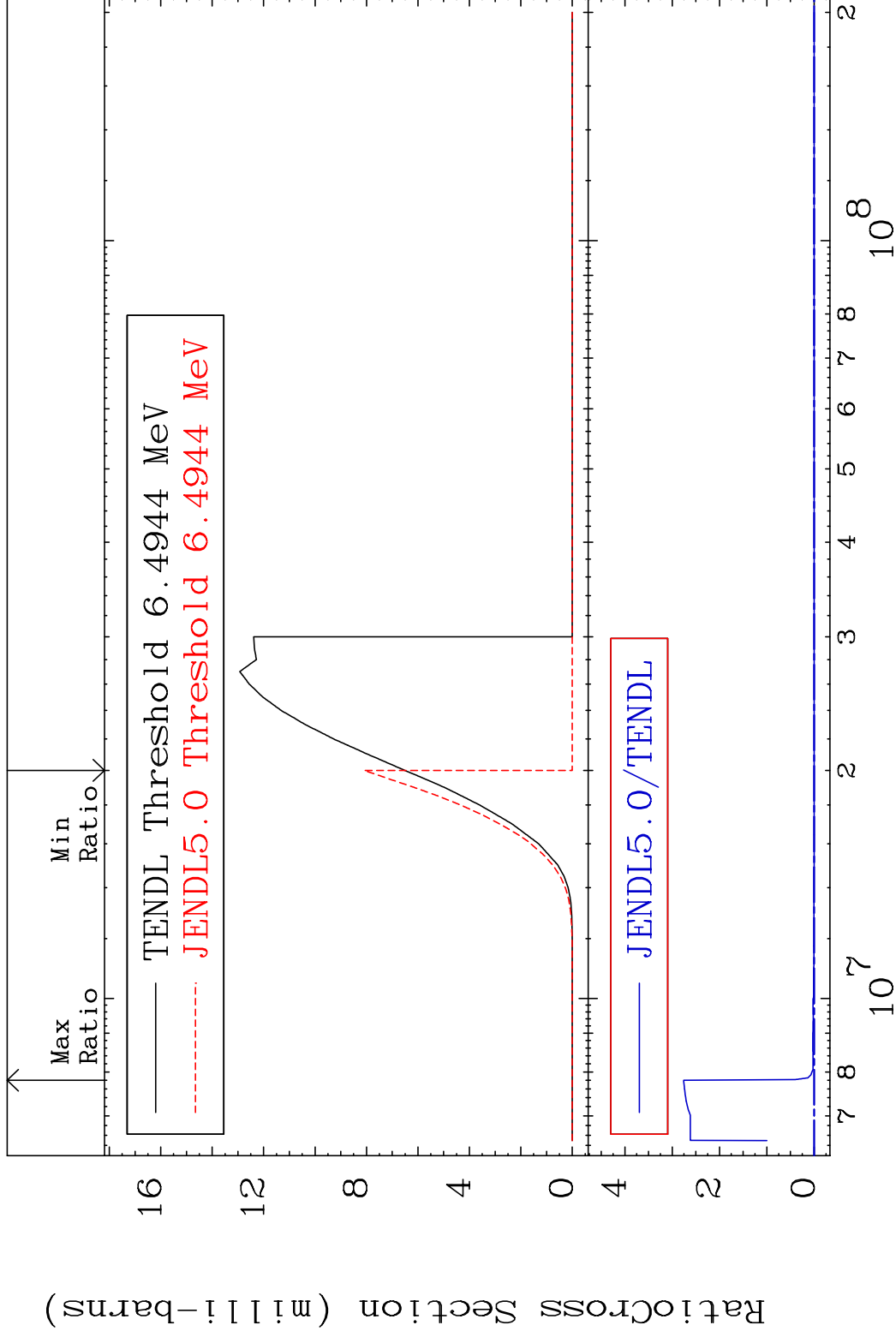


MAT 5646

(n, d)

56-Ba-137

Cross Section -100.0 To 9999. %

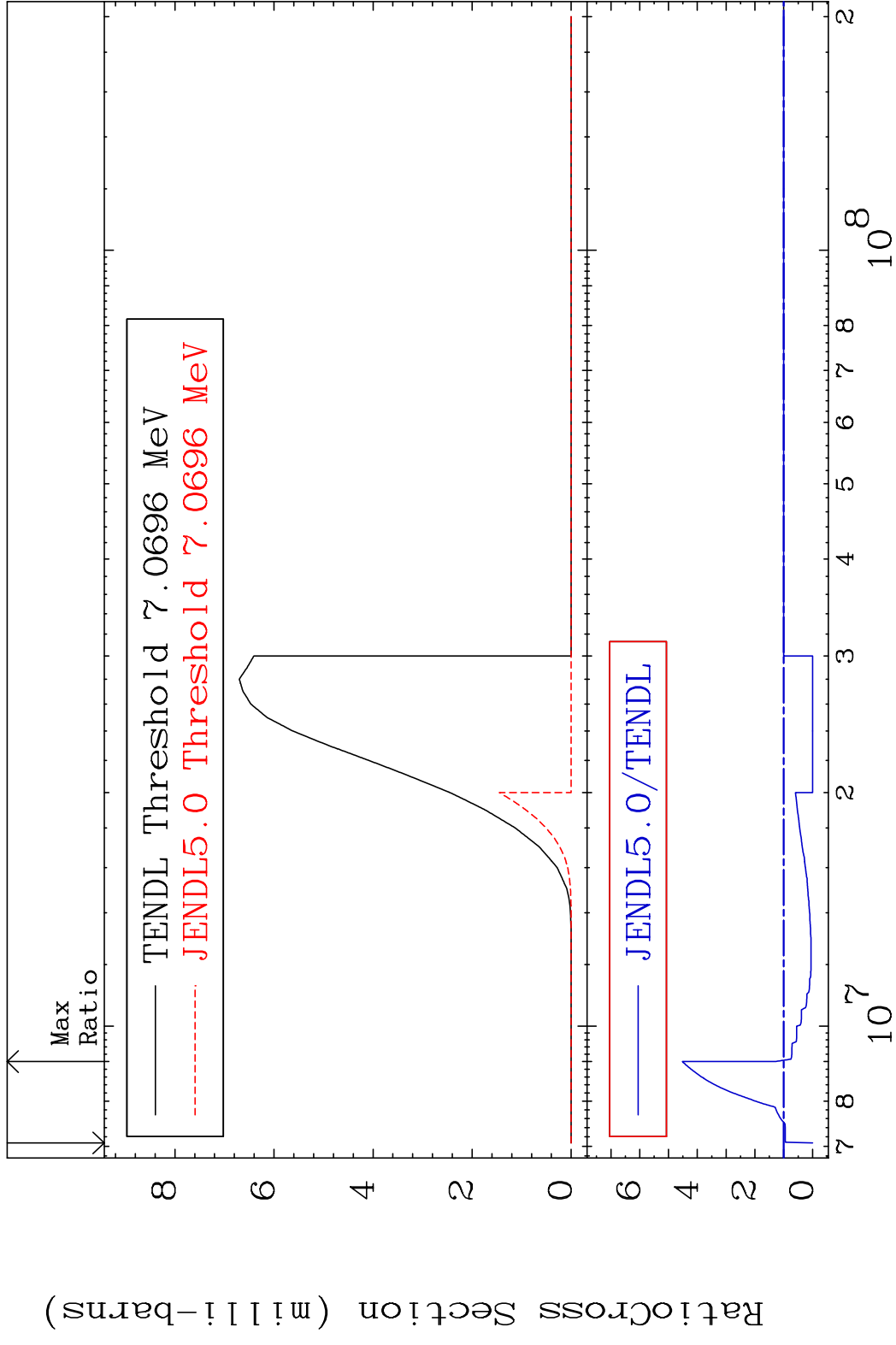


44

Incident Energy (eV)

56-Ba-137

MAT 5646 (n, t) 56-Ba-137
 Cross Section -100.0 To 352.0 %



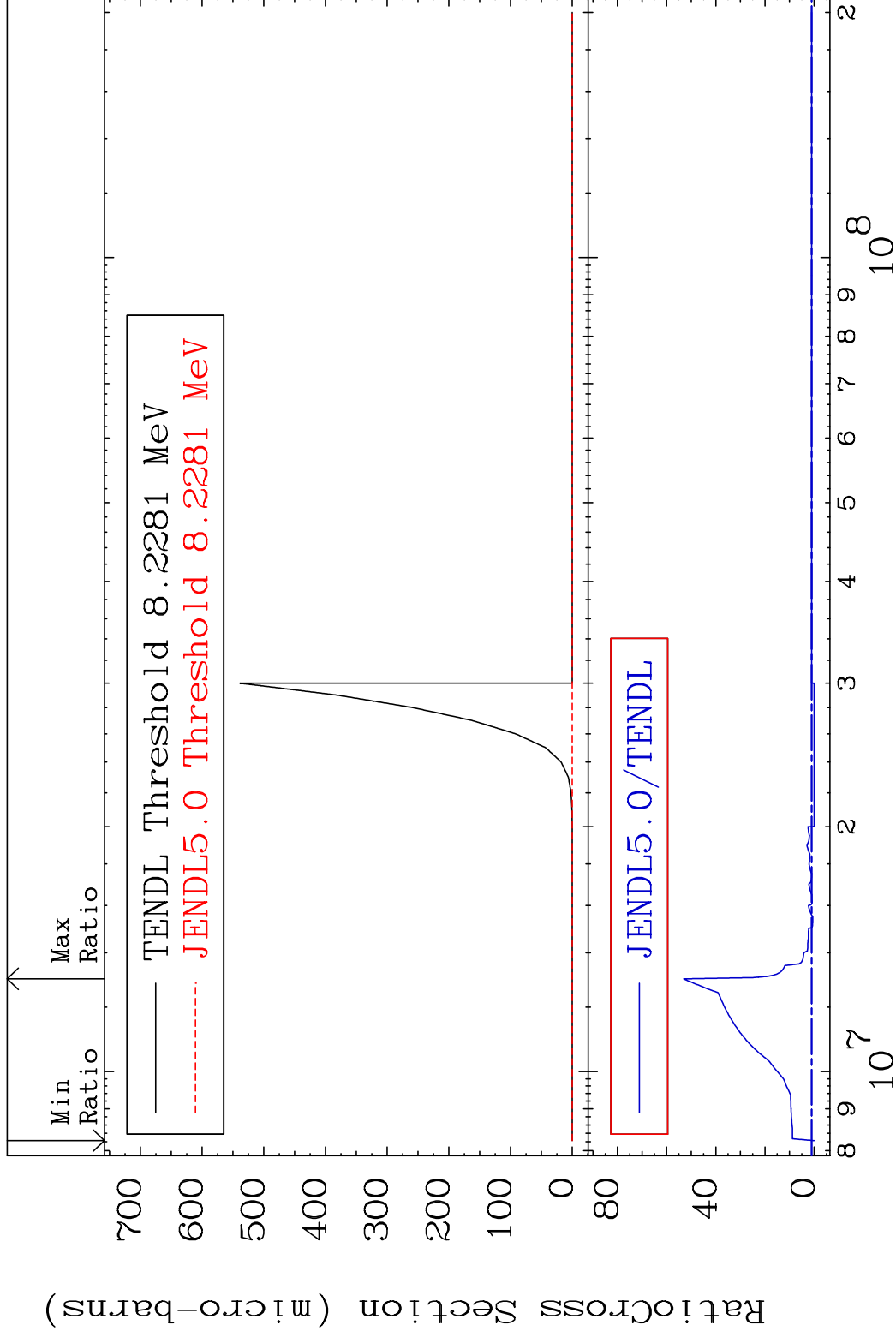
45 Incident Energy (eV) 56-Ba-137

MAT 5646

(n, He-3)

56-Ba-137

Cross Section -100.0 To 5208. %



46

Incident Energy (eV)

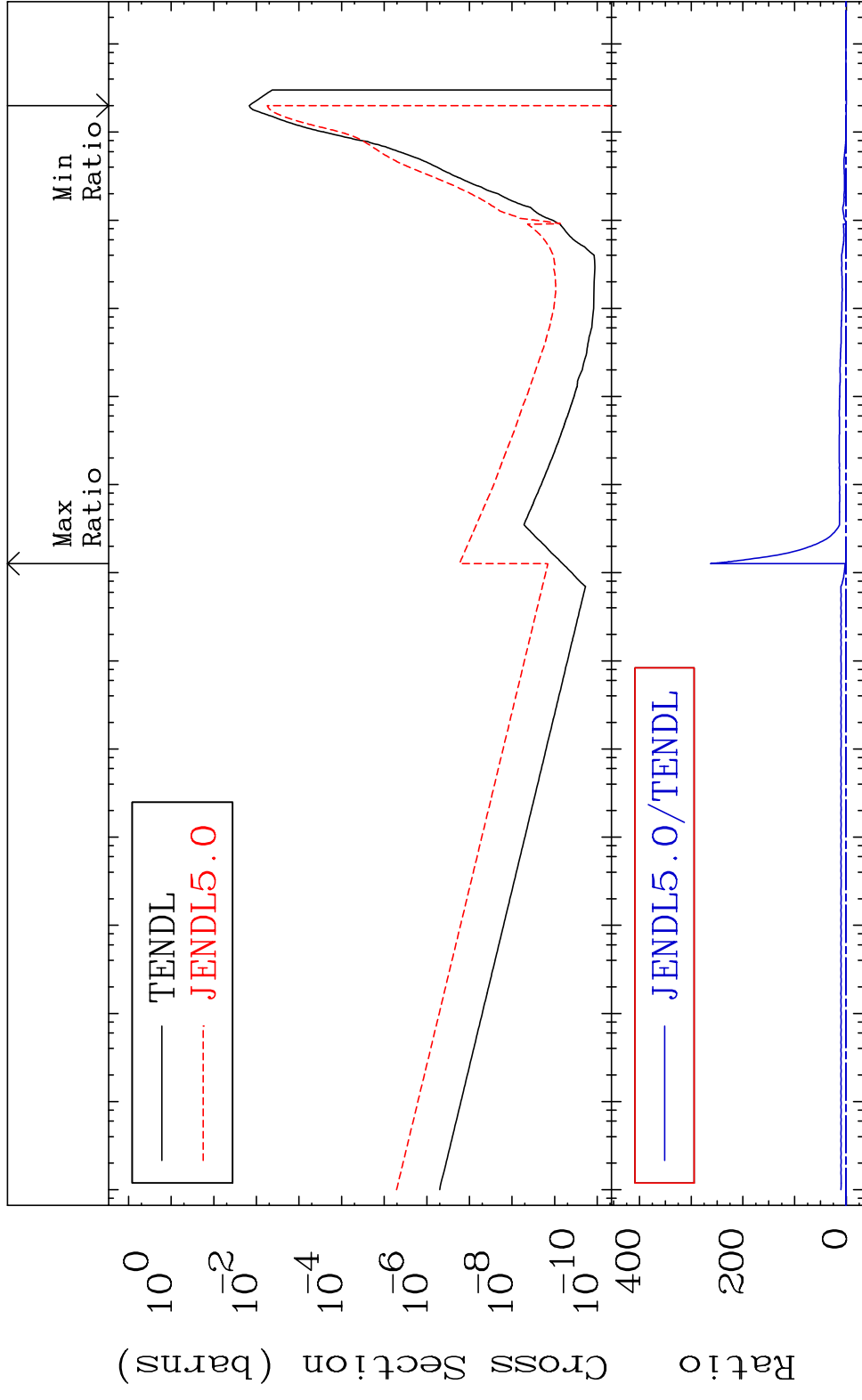
56-Ba-137

MAT 5646

56-Ba-137

(n, α)

Cross Section -100.0 To 9999. %

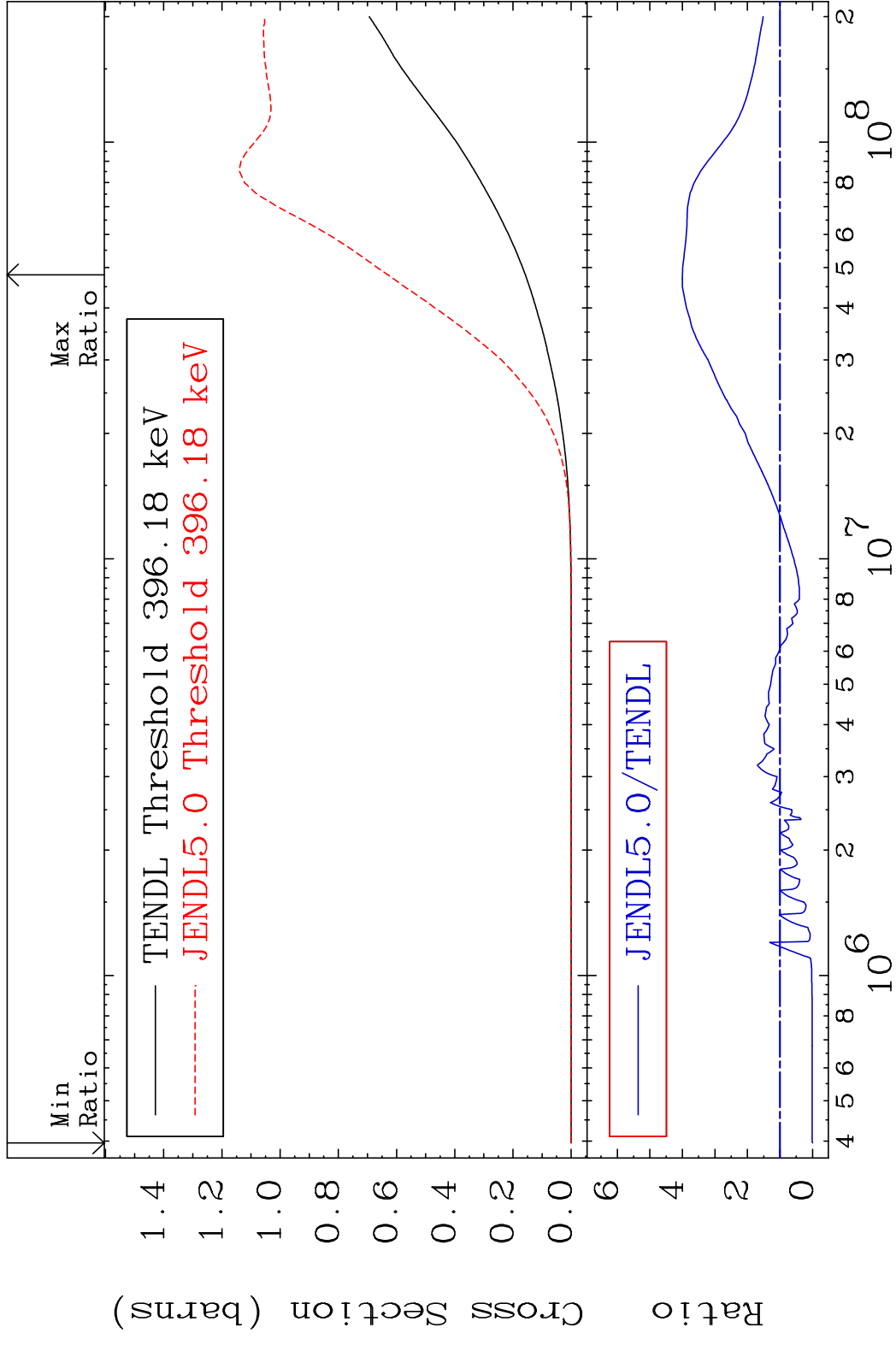


47

Incident Energy (eV)

56-Ba-137

MAT 5646 Hydrogen Production 56-Ba-137
 Cross Section -100.0 To 300.1 %

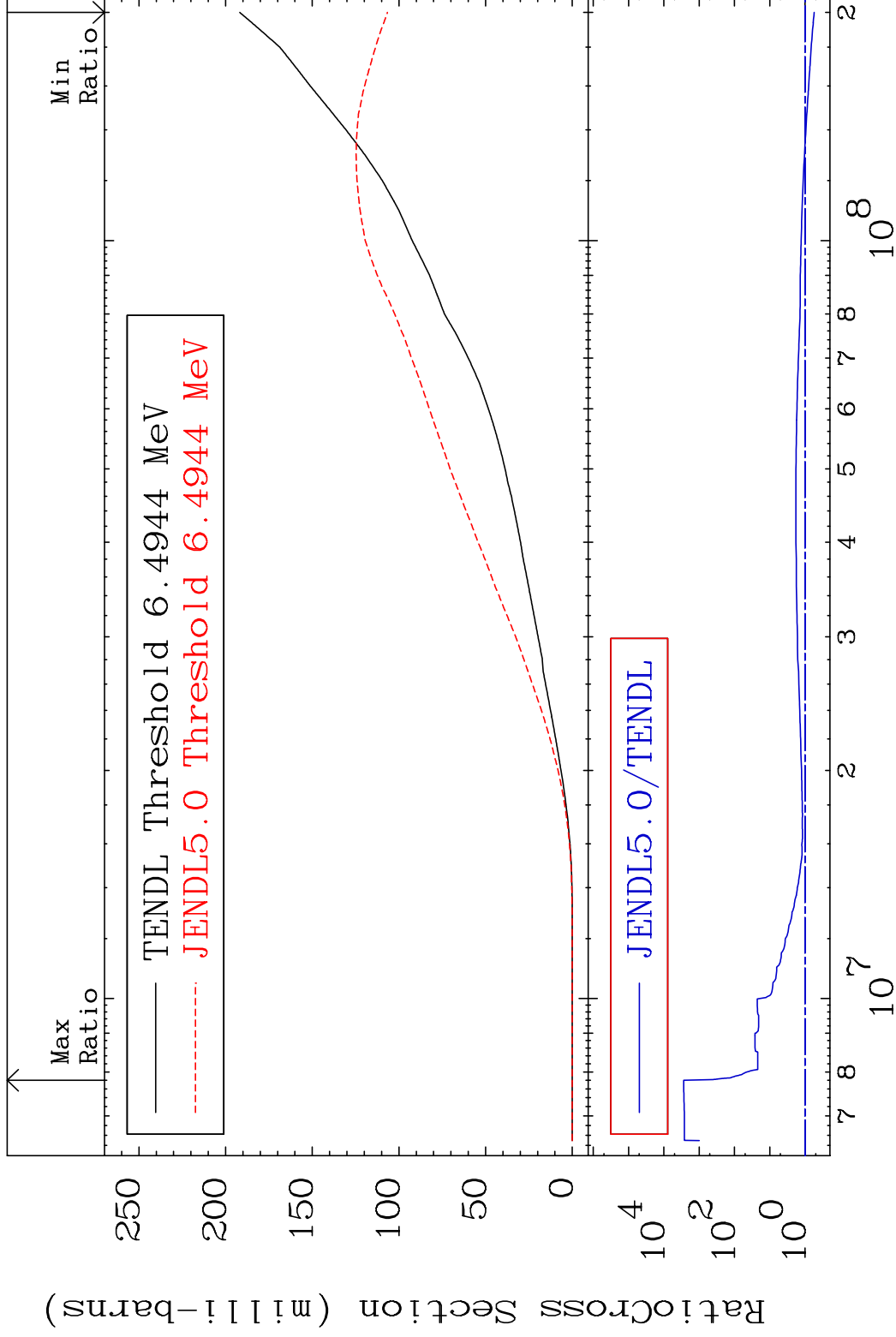


MAT 5646

Deuterium Production

56-Ba-137

Cross Section -44.41 To 9999. %

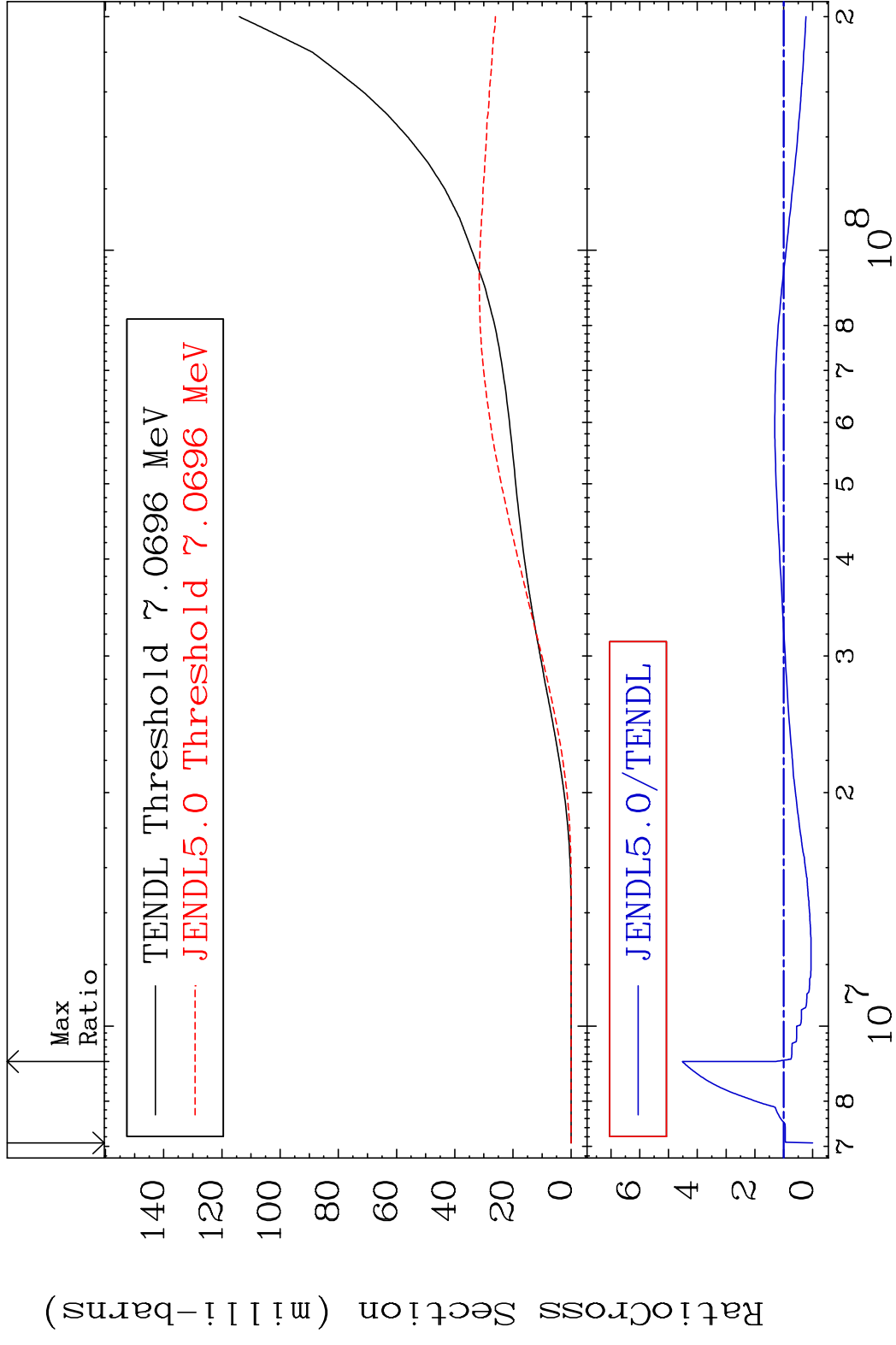


49

Incident Energy (eV)

56-Ba-137

MAT 5646 Tritium Production 56-Ba-137
 Cross Section -100.0 To 352.0 %

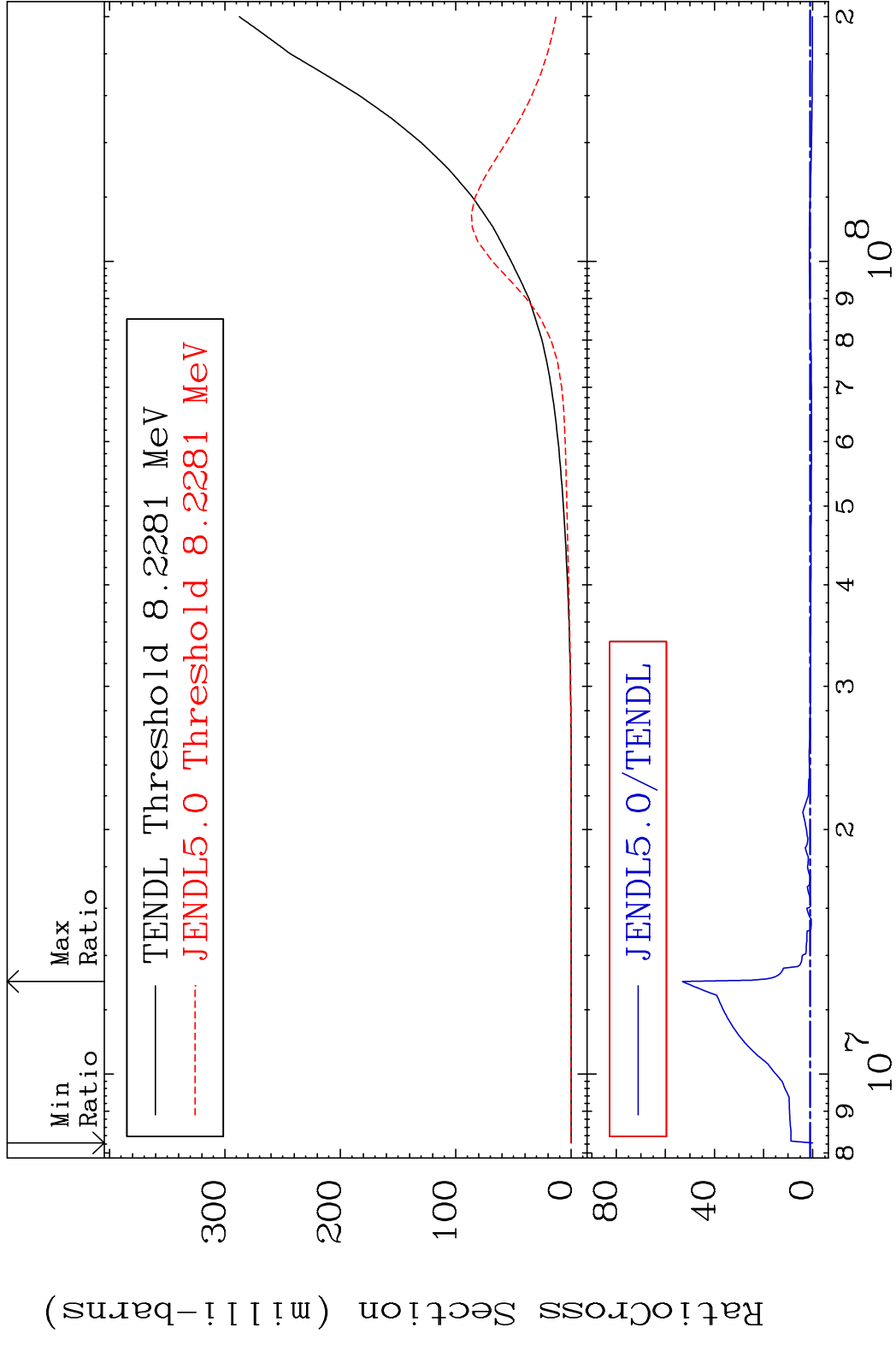


MAT 5646

He-3 Production

56-Ba-137

Cross Section -100.0 To 5208. %

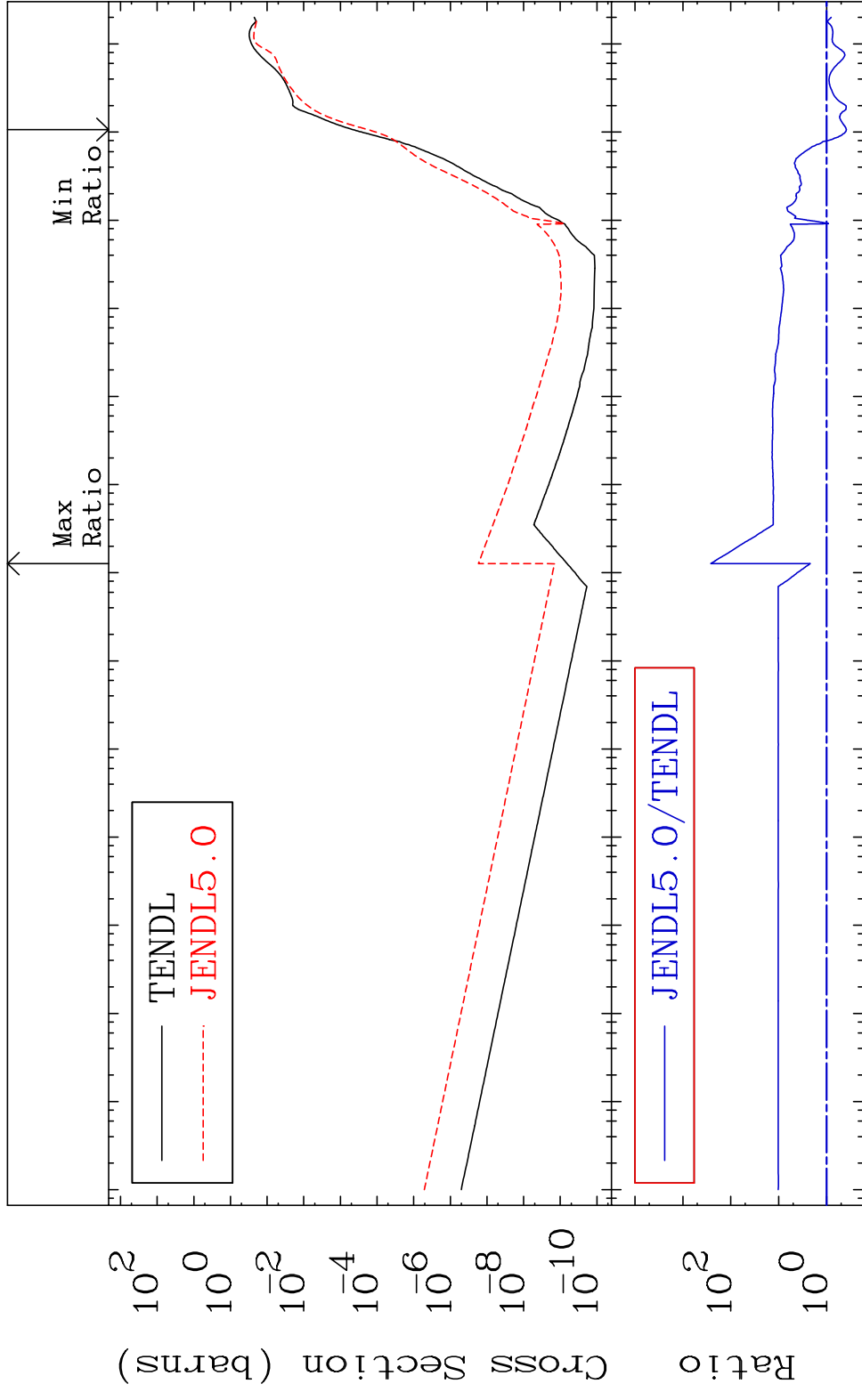


MAT 5646

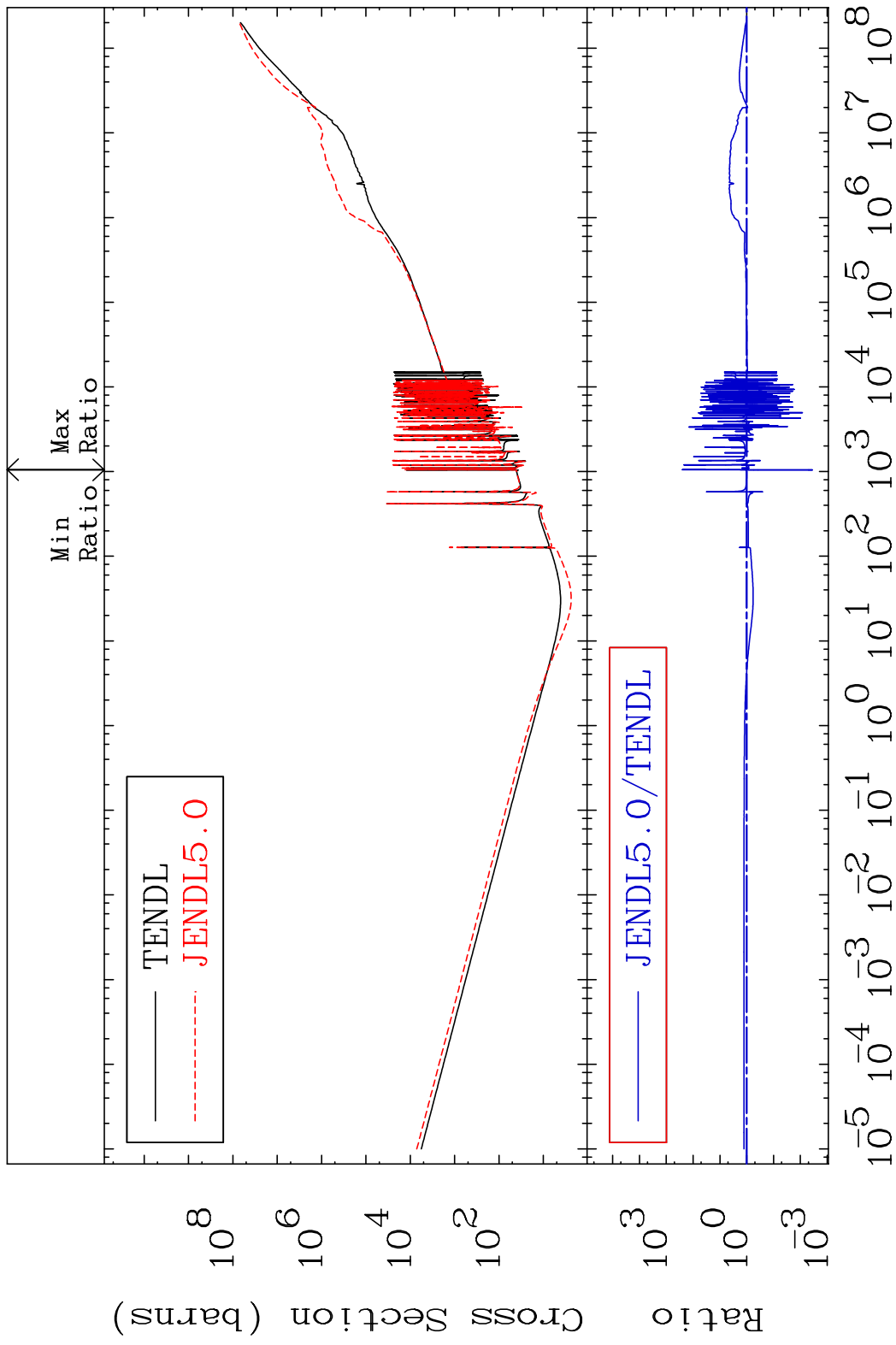
He-4 Production

56-Ba-137

Cross Section -61.06 To 9999. %



MAT 5646 Kerma total (eV-barns) 56-Ba-137
 Cross Section -99.65 To 9999. %



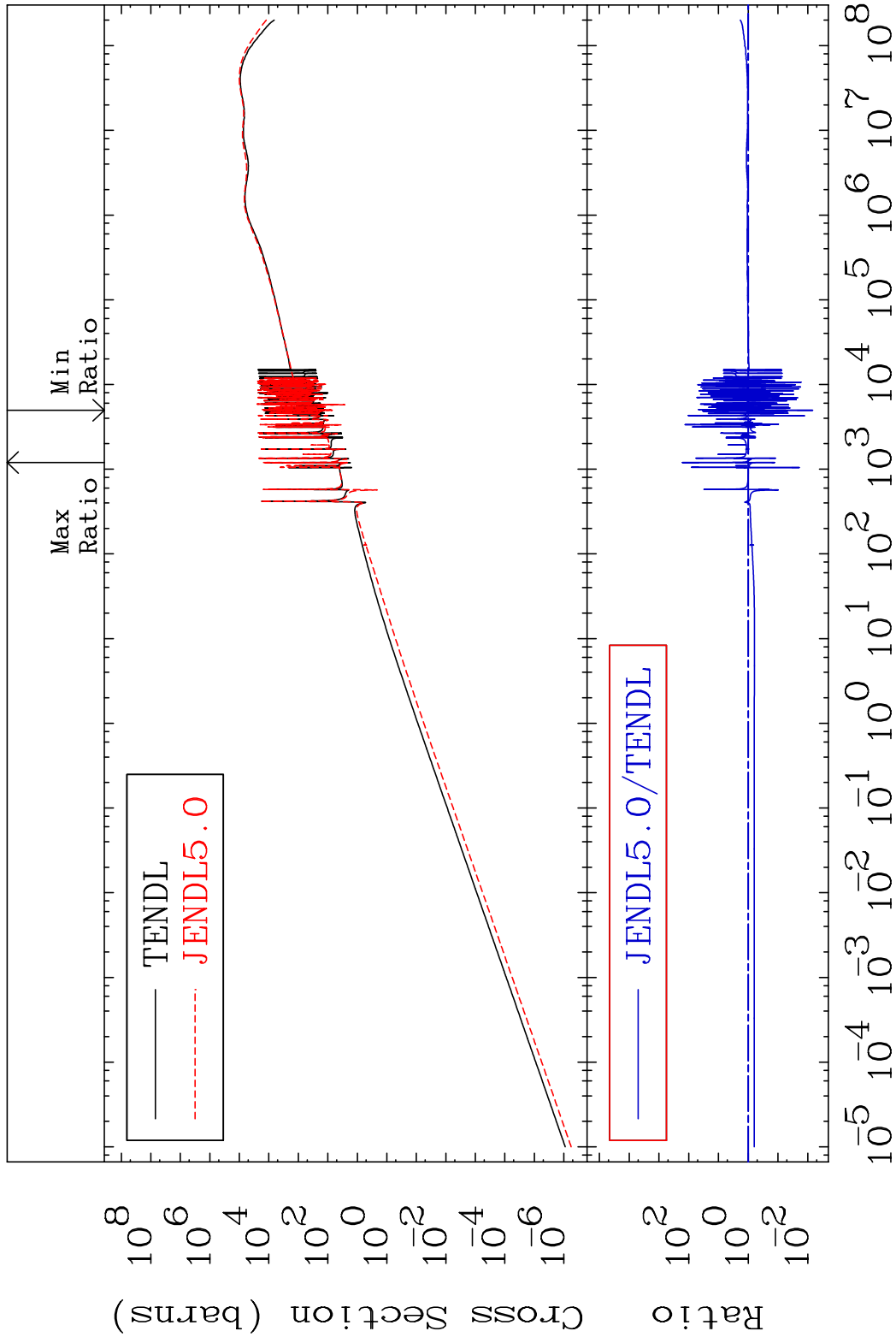
53 Incident Energy (eV) 56-Ba-137

MAT 5646

Kerma elastic

56-Ba-137

Cross Section -99.31 To 9999. %

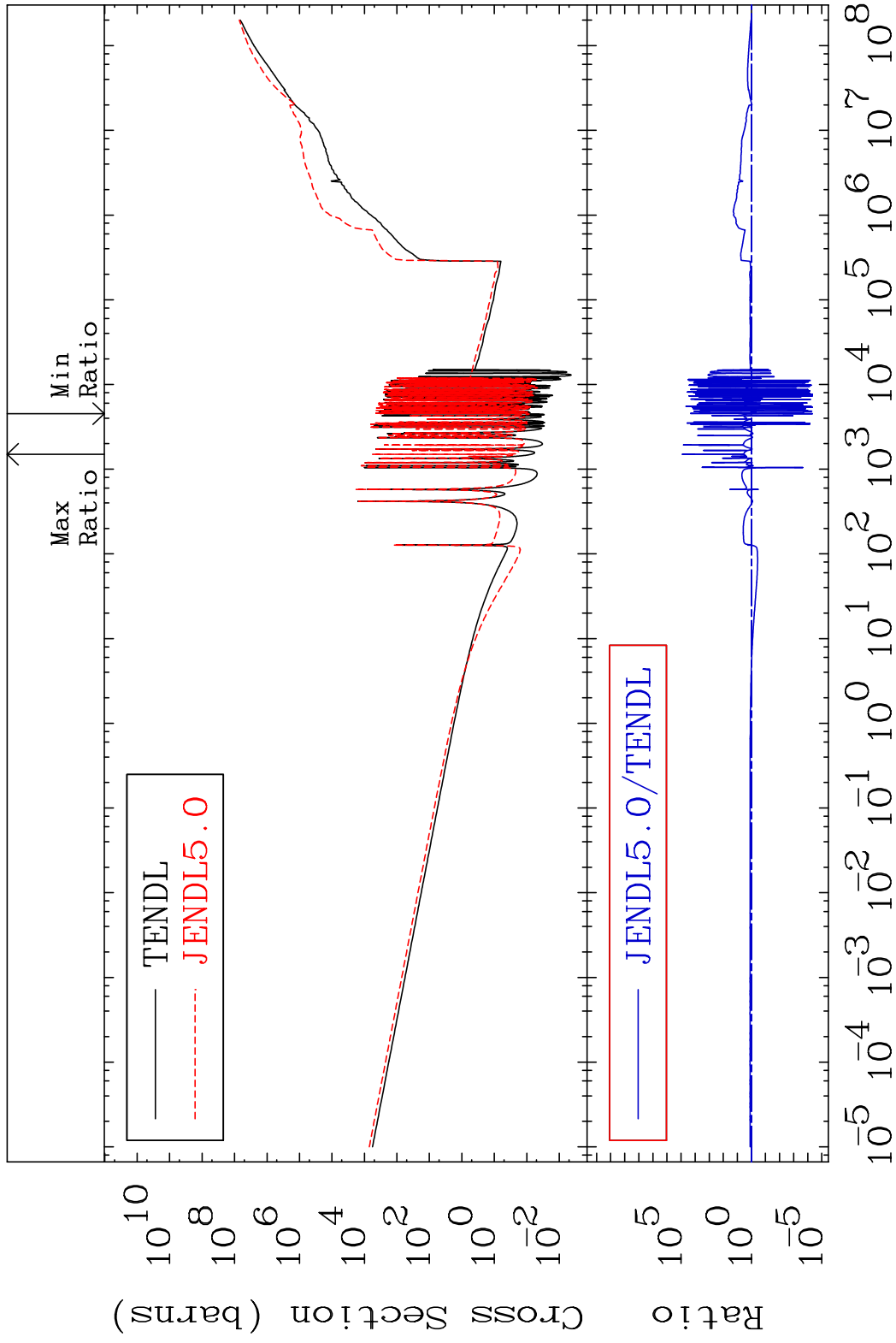


54

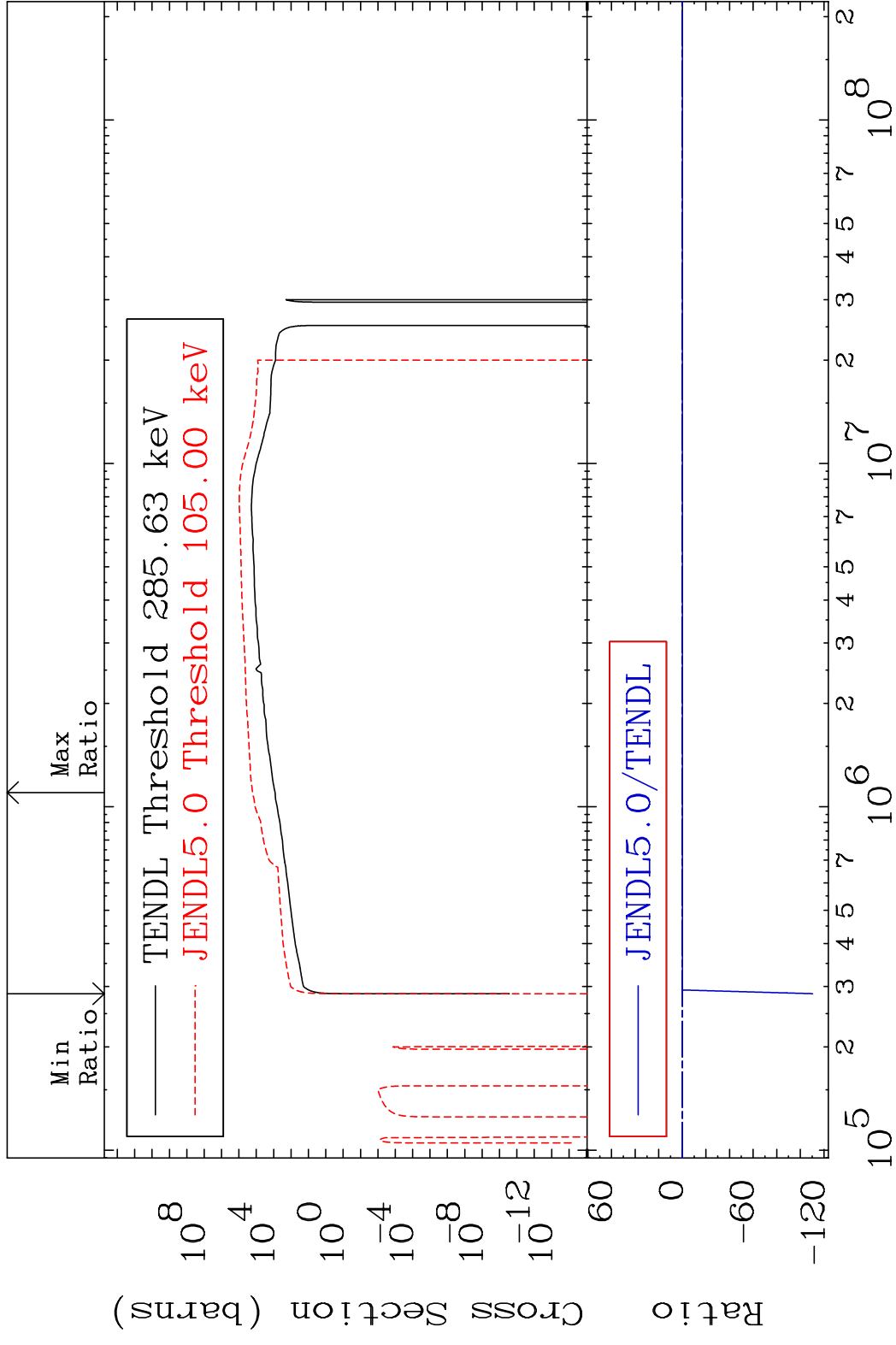
Incident Energy (eV)

56-Ba-137

MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137
 Cross Section -100.0 To 9999. %

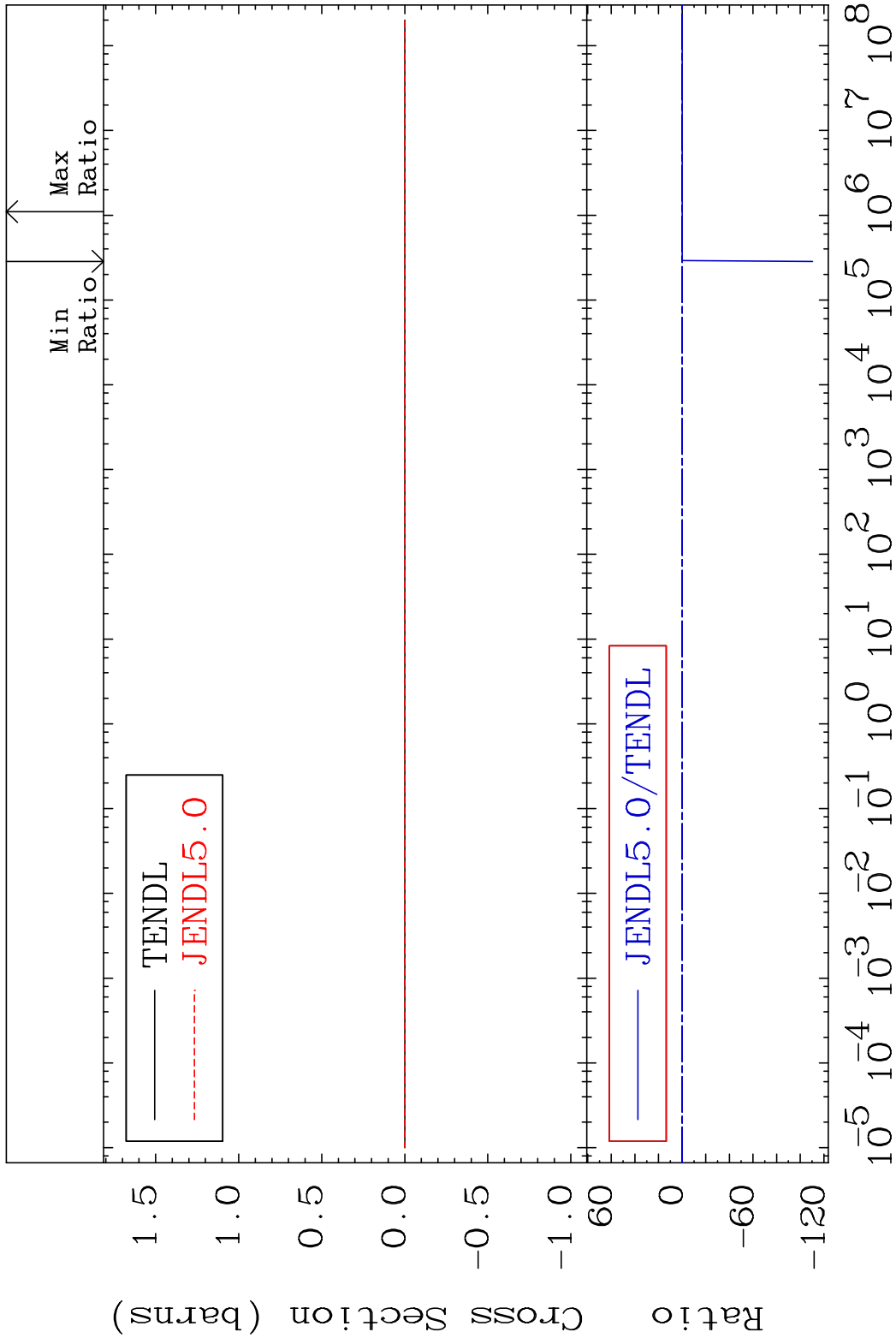


MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137
 Cross Section -9999. To 1875. %



56 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137
 Cross Section -9999. To 1875. %

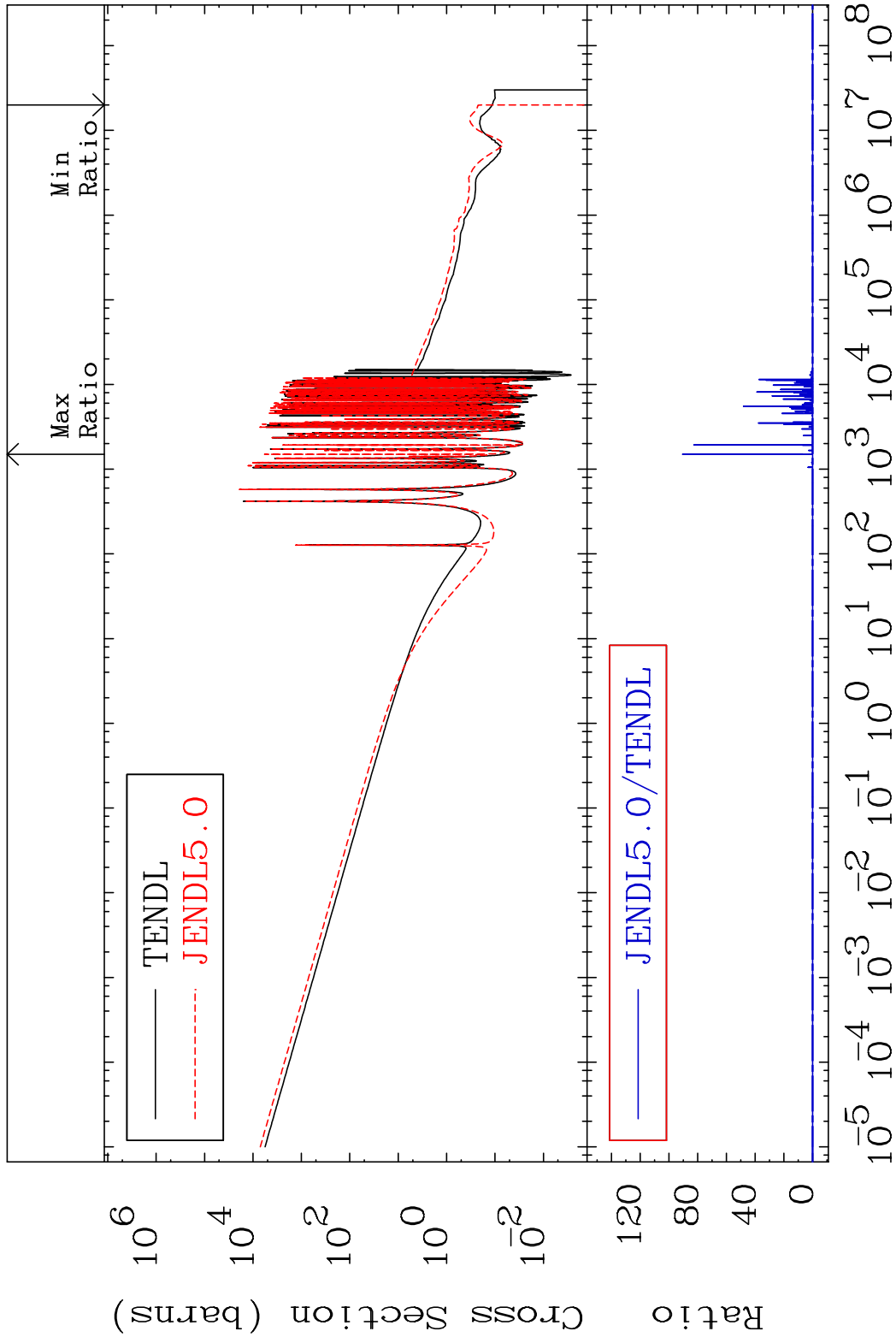


MAT 5646

Kerma capture (mt102)

56-Ba-137

Cross Section -100.0 To 9999. %

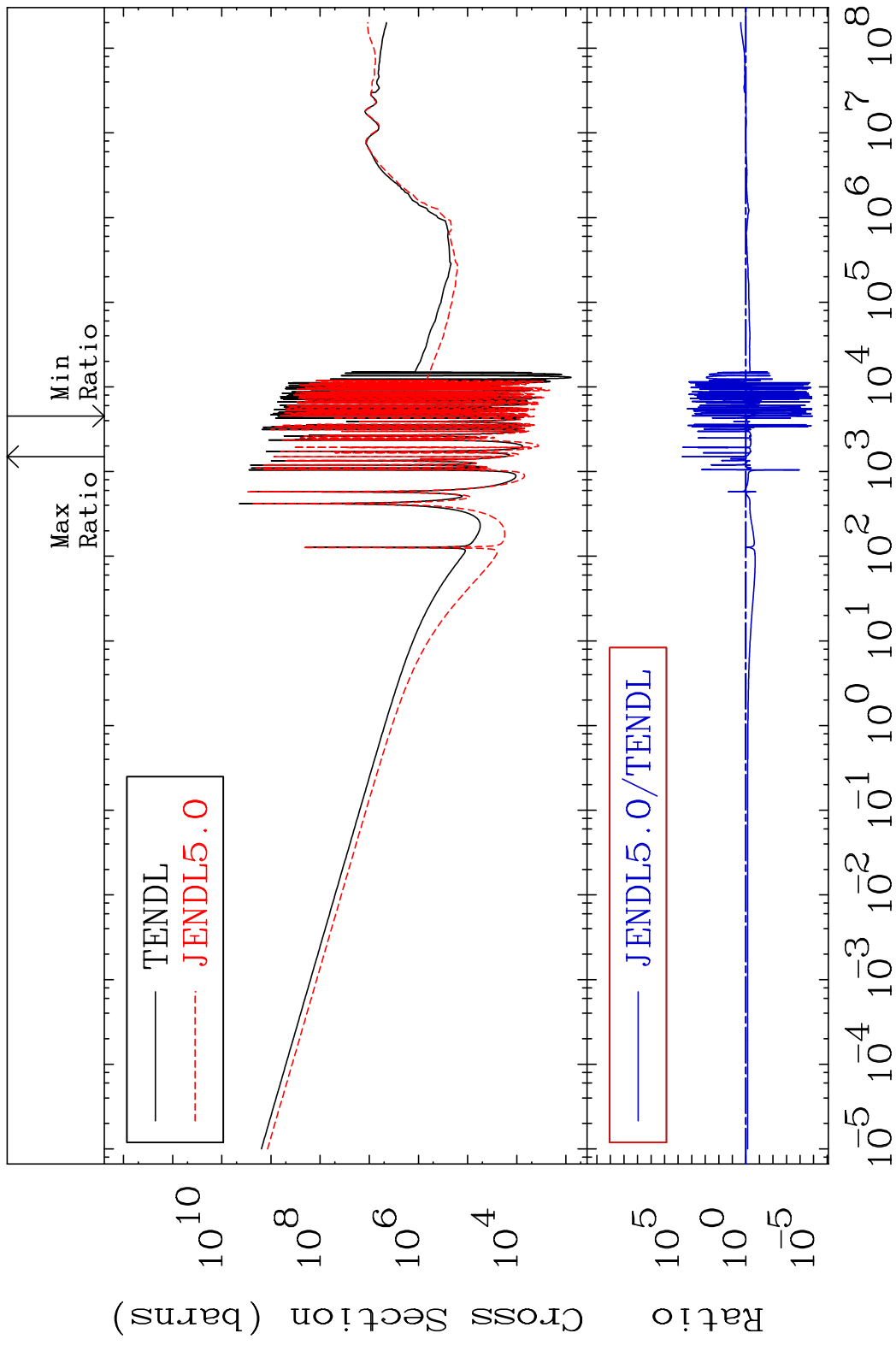


58

Incident Energy (eV)

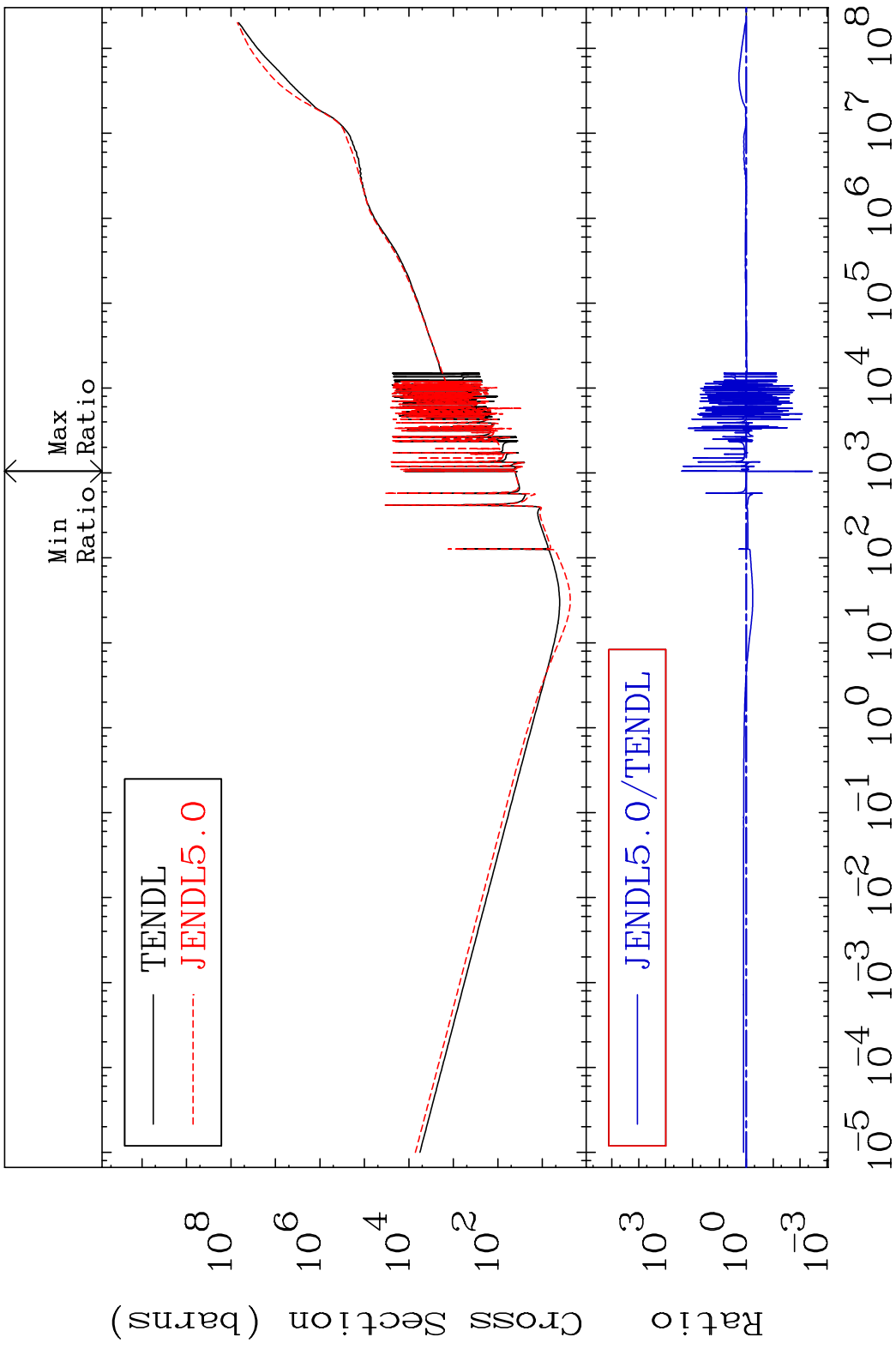
56-Ba-137

MAT 5646 Total photon (eV-barns) 56-Ba-137
 Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 56-Ba-137

MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
Cross Section -99.65 To 9999. %

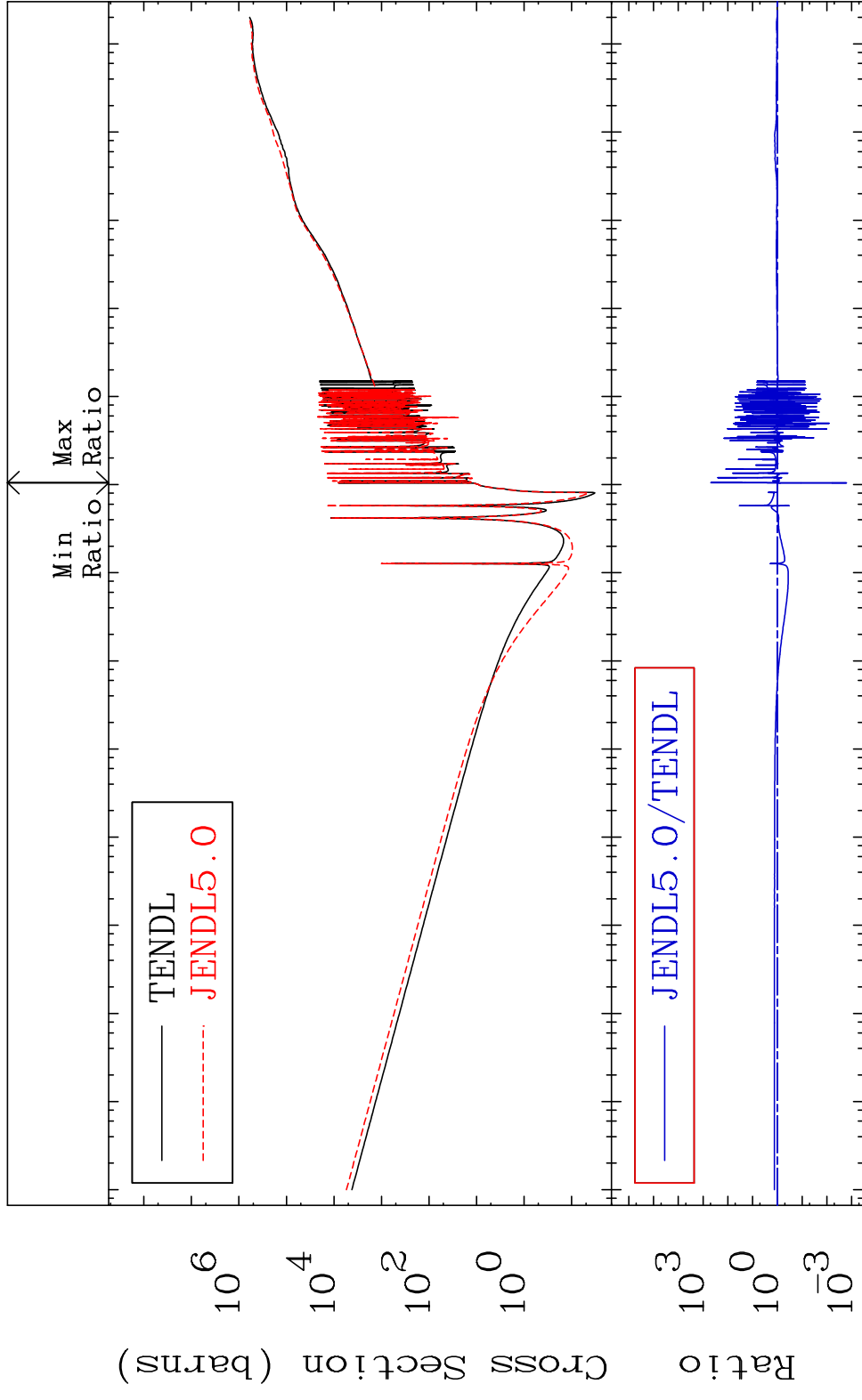


MAT 5646

Dpa total (eV-barns)

56-Ba-137

Cross Section -99.84 To 9999. %



61

Incident Energy (eV)

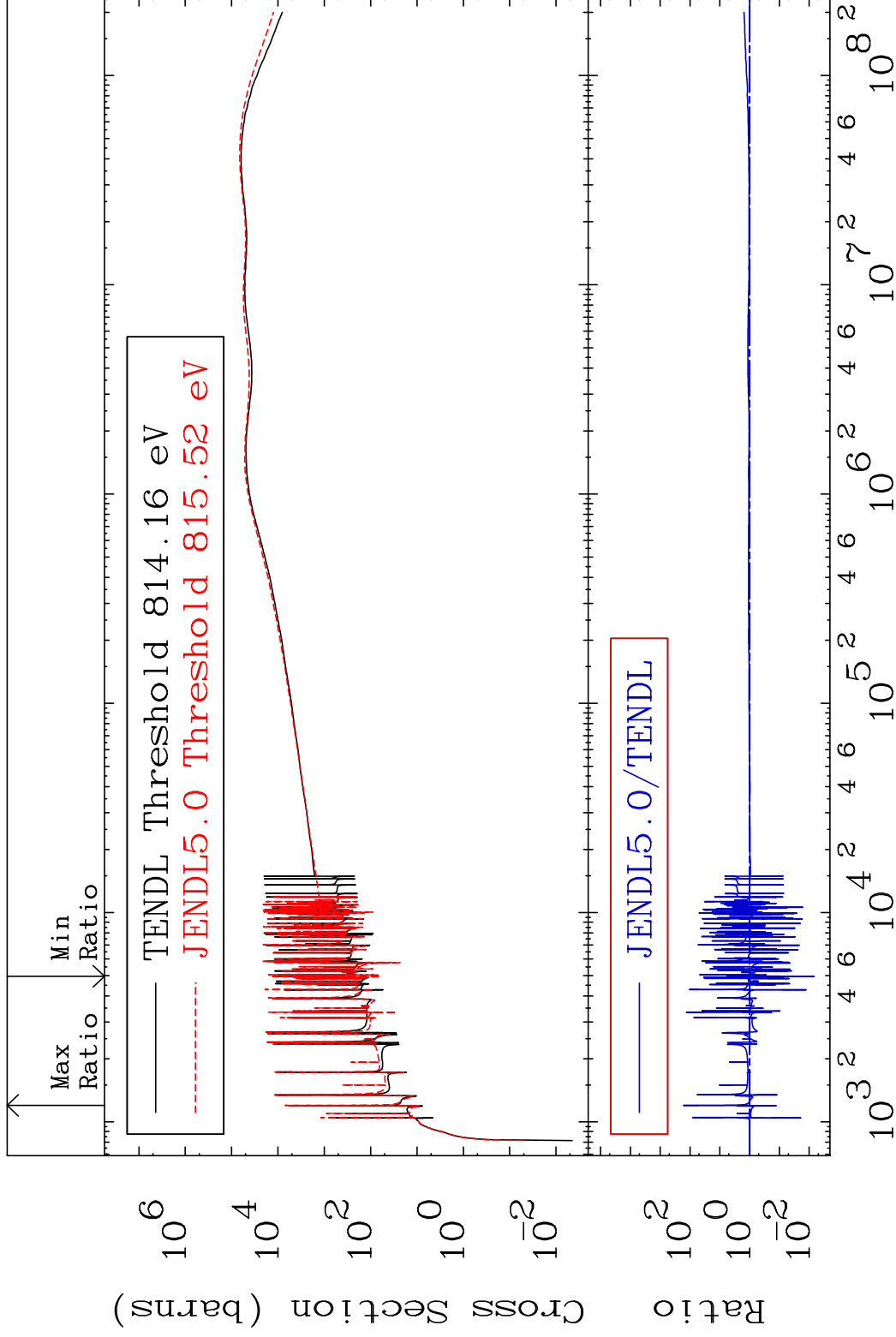
56-Ba-137

MAT 5646

Dpa elastic (mt2)

56-Ba-137

Cross Section -99.31 To 9999. %

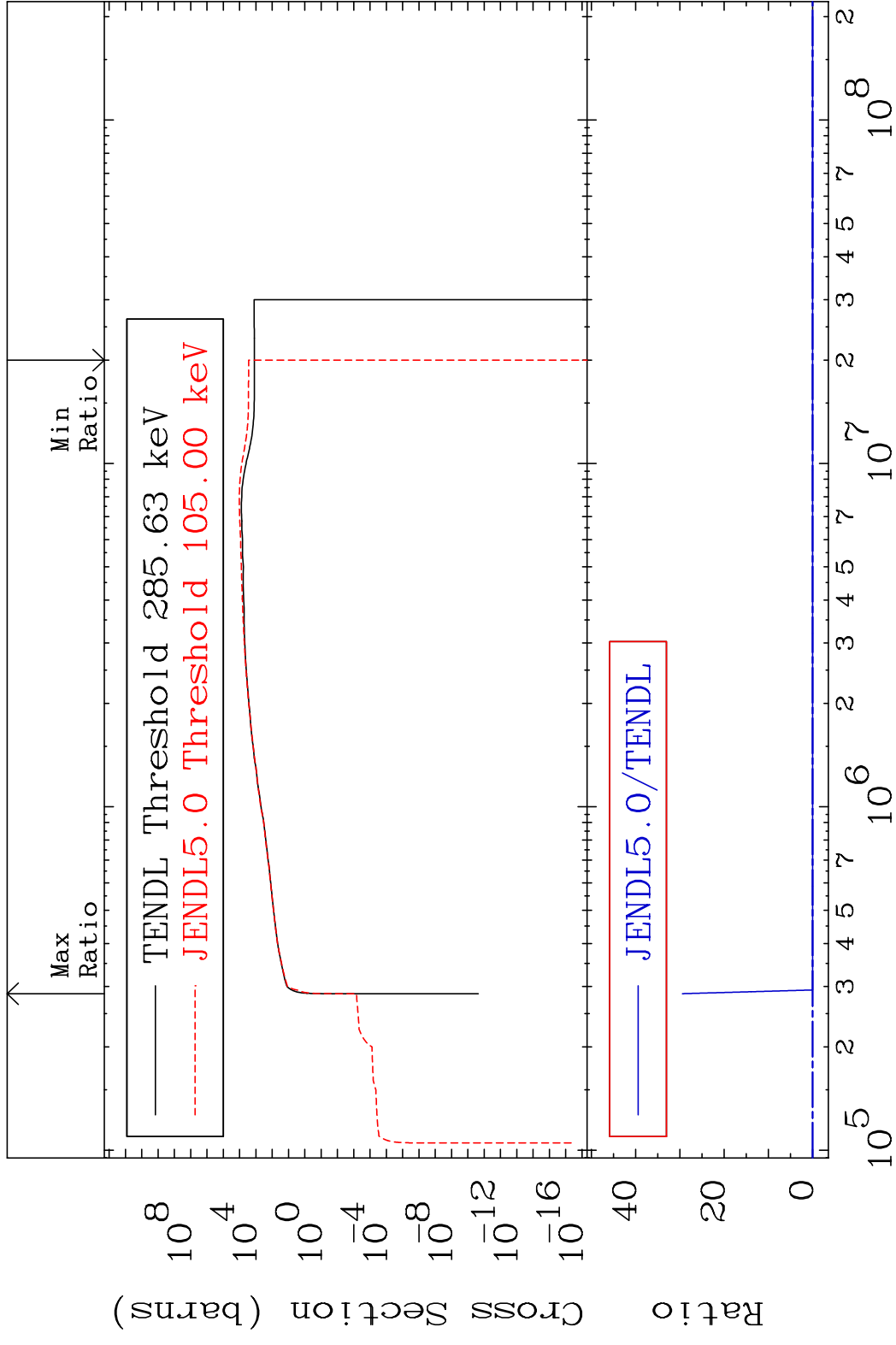


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Incident Energy (eV)

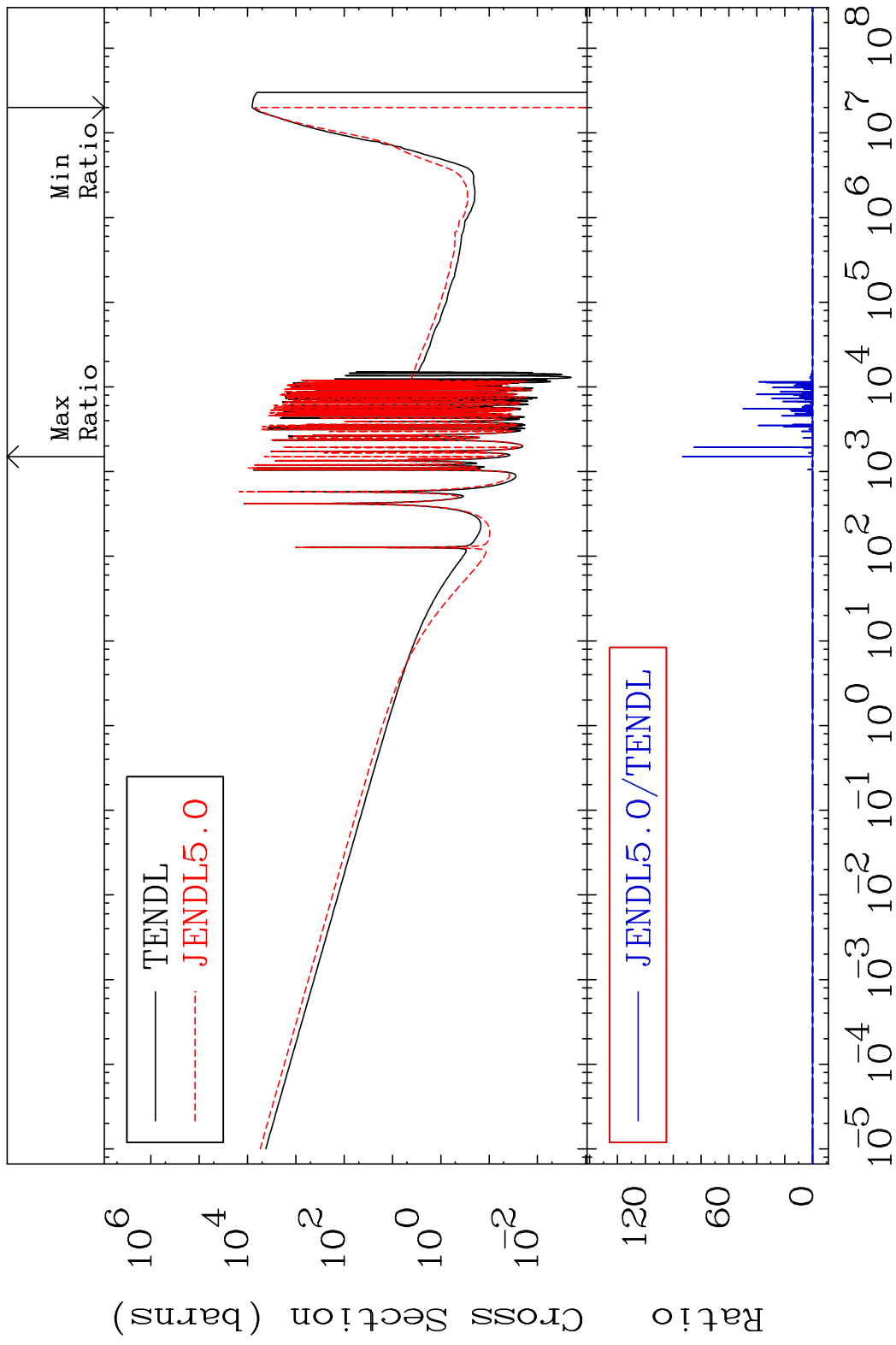
56-Ba-137

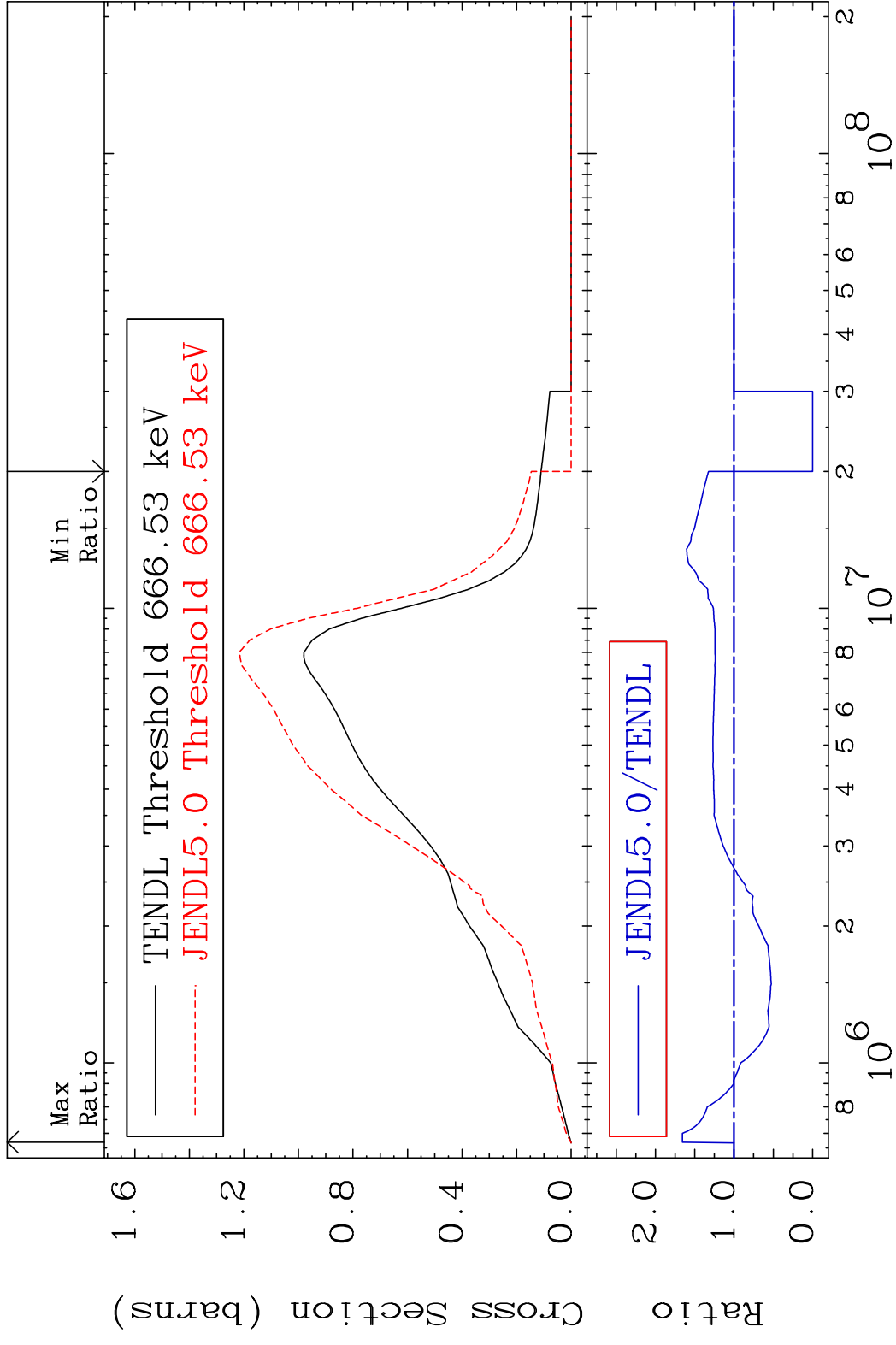
MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137
 Cross Section -100.0 To 9999. %



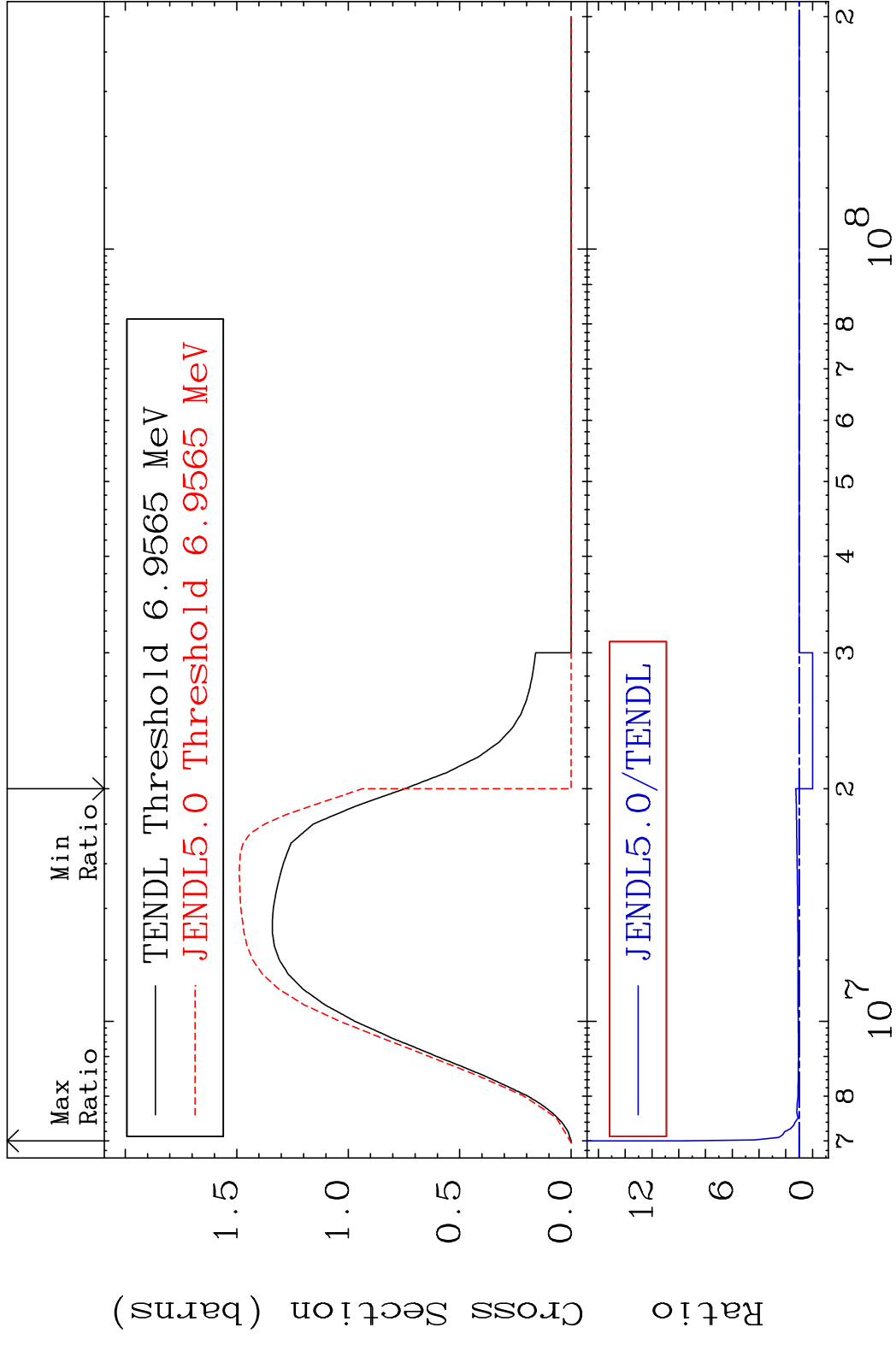
63 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137
 Cross Section -100.0 To 9999. %

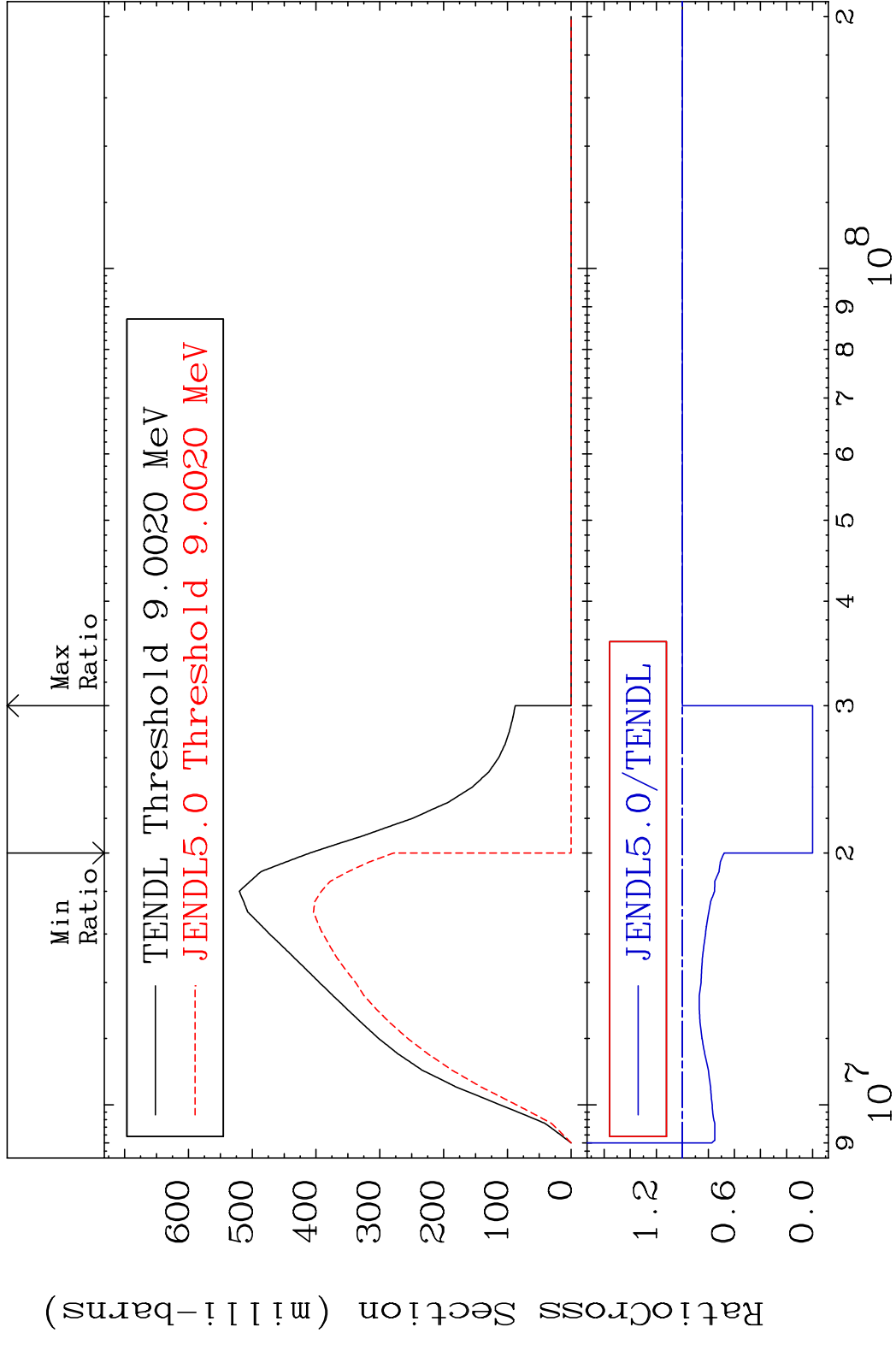




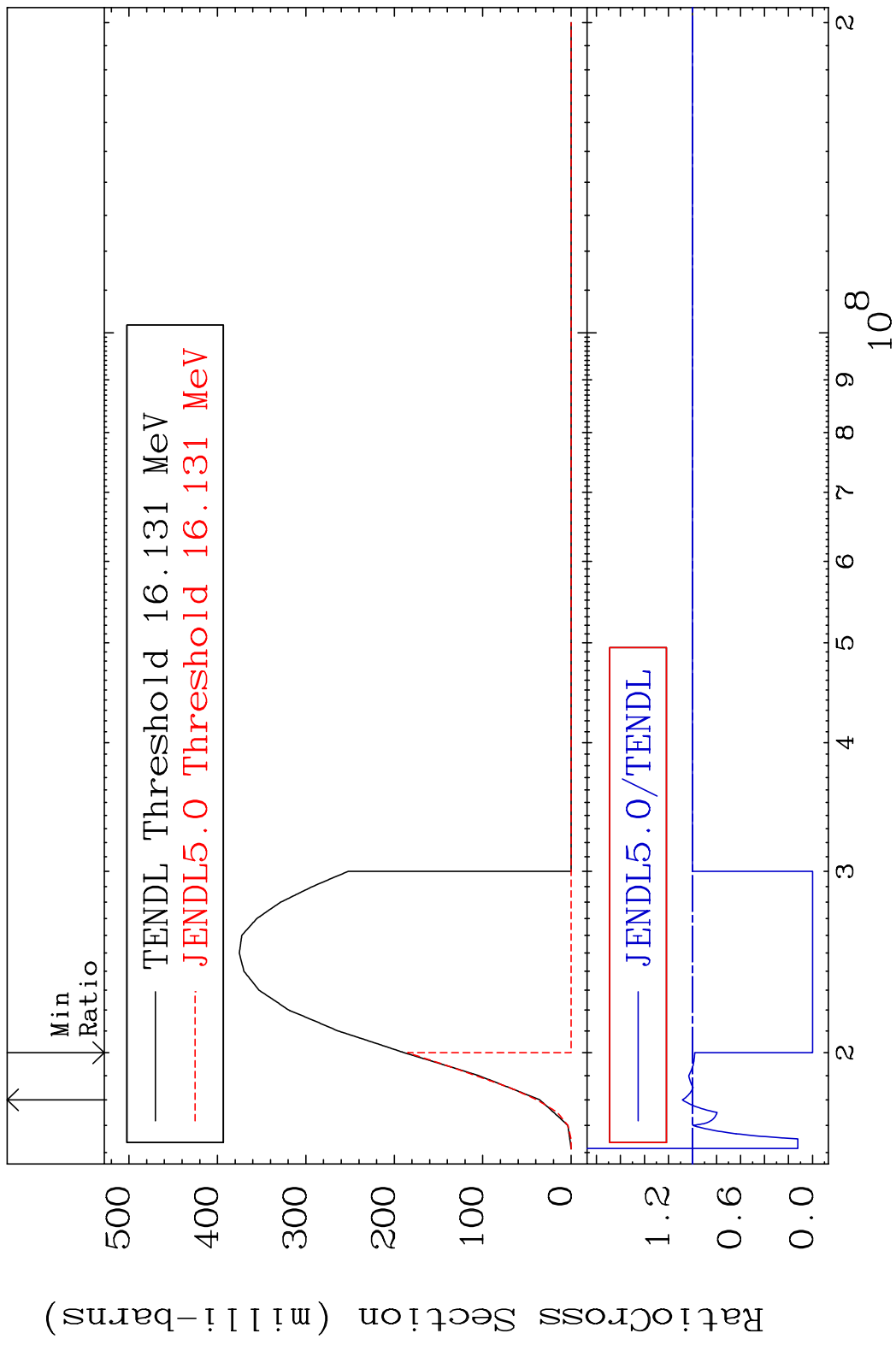
MAT 5646 (n,2n):56-Ba-136g 56-Ba-137
 Radionuclide Production Cross Section Ratio 872.8 %



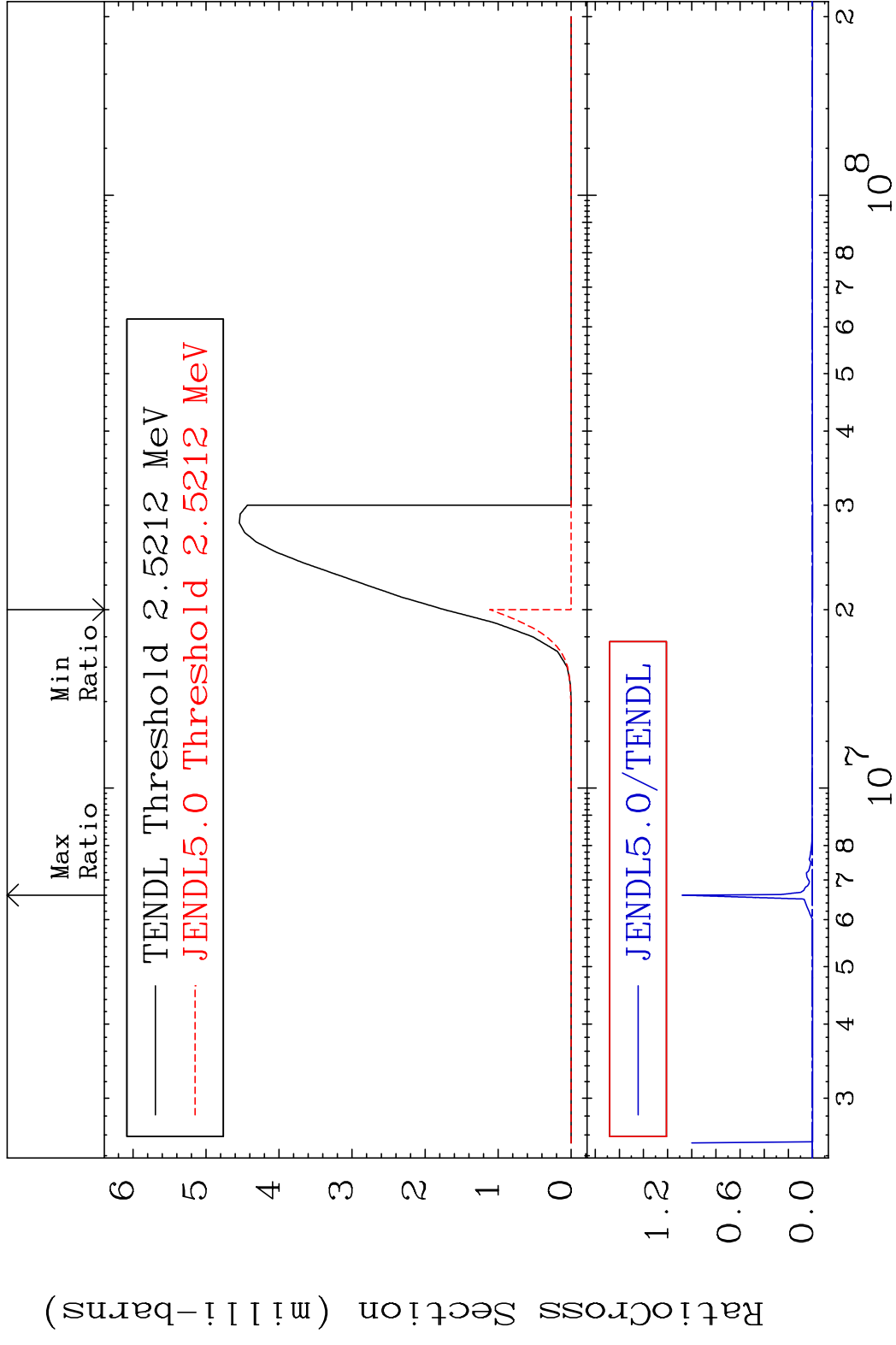
MAT 5646 (n, 2n):56-Ba-136m5 56-Ba-137
 Radionuclide Production Cross Section 180.01 dth 0.000 %



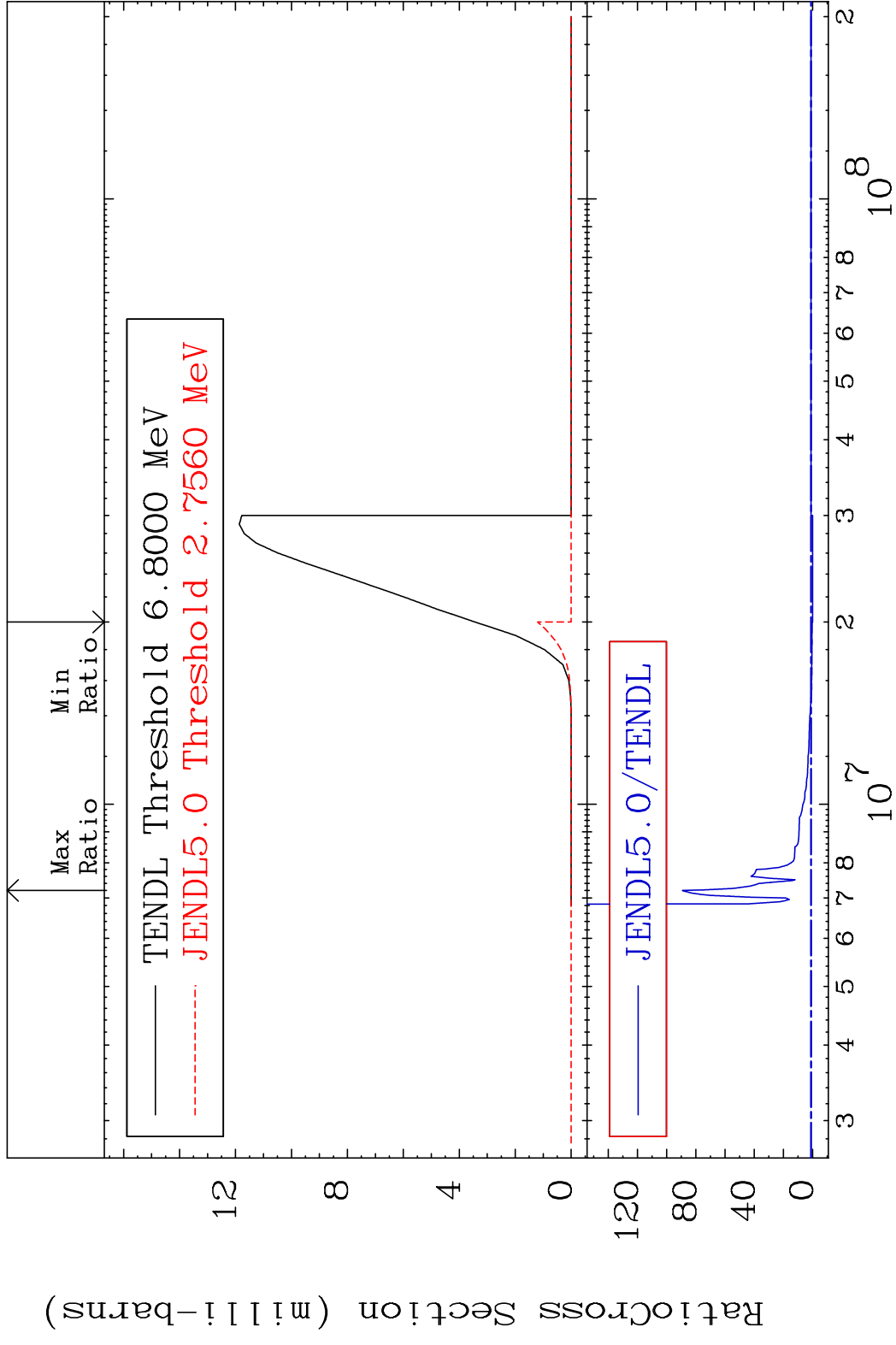
MAT 5646 (n,3n):56-Ba-135g 56-Ba-137
 Radionuclide Production Cross Section Ratio 8.432 %



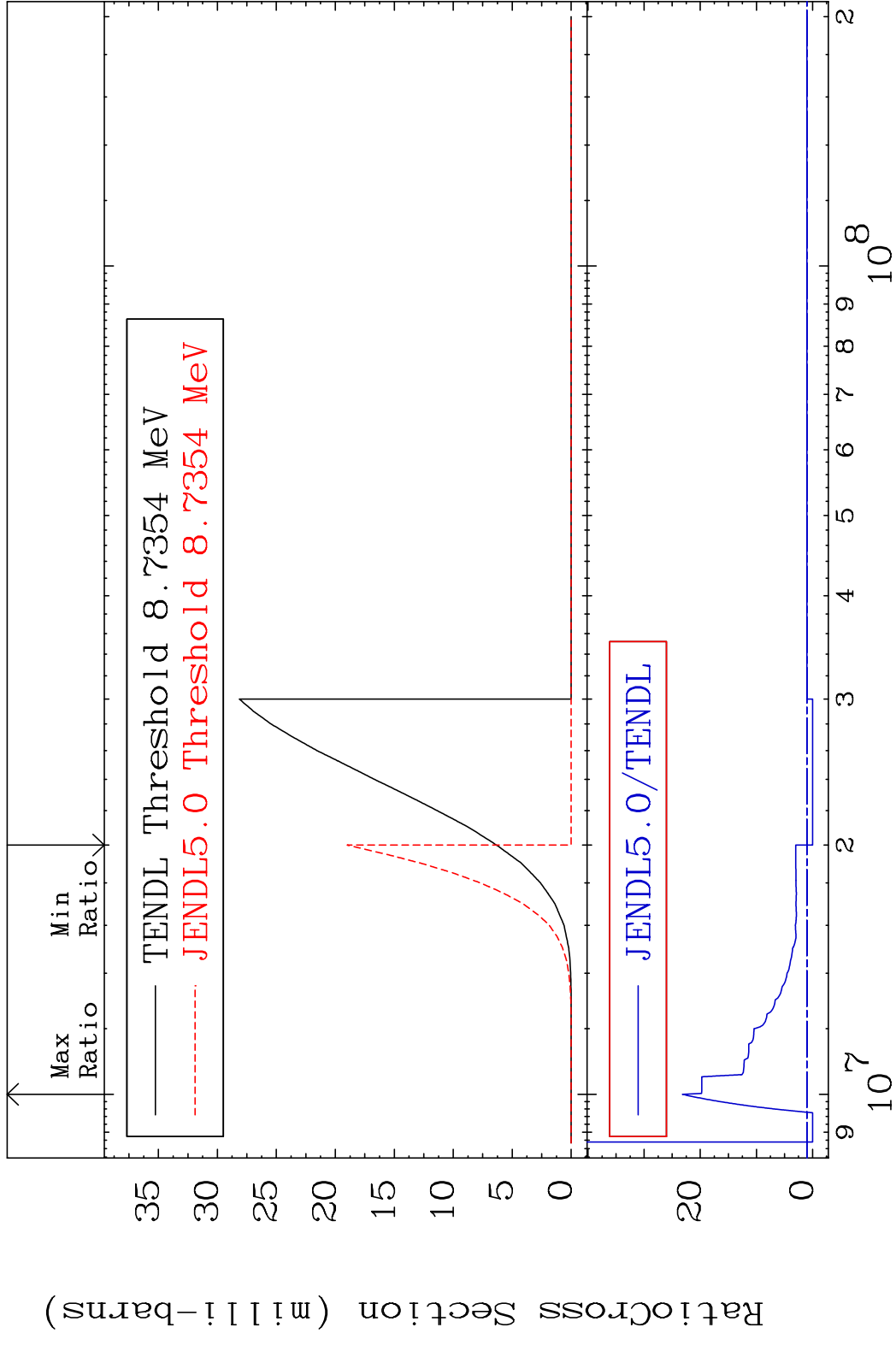
MAT 5646 (n, n') α :54-Xe-133g 56-Ba-137
 Radionuclide Production Cross Section Ratio 9999. %

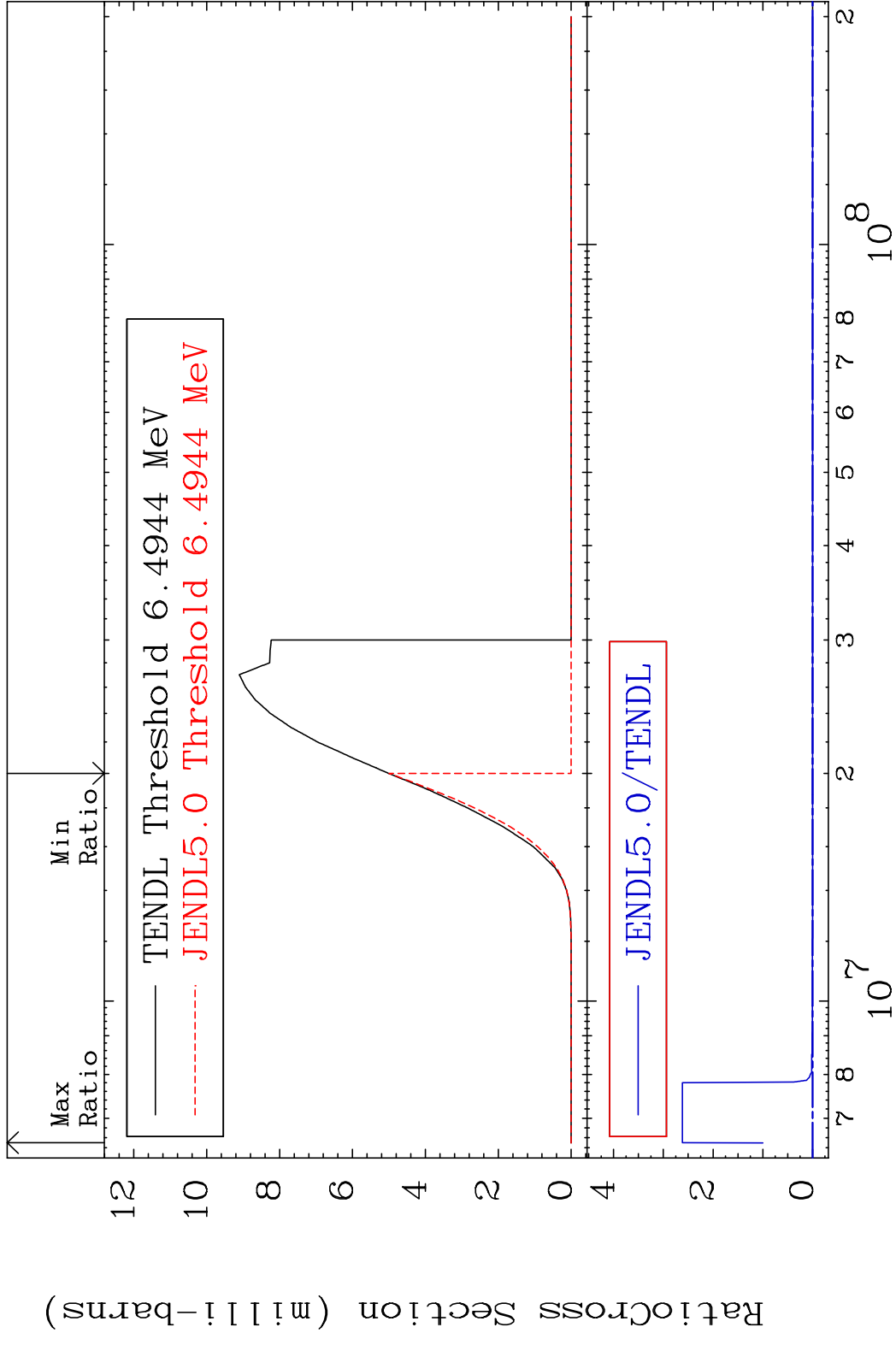


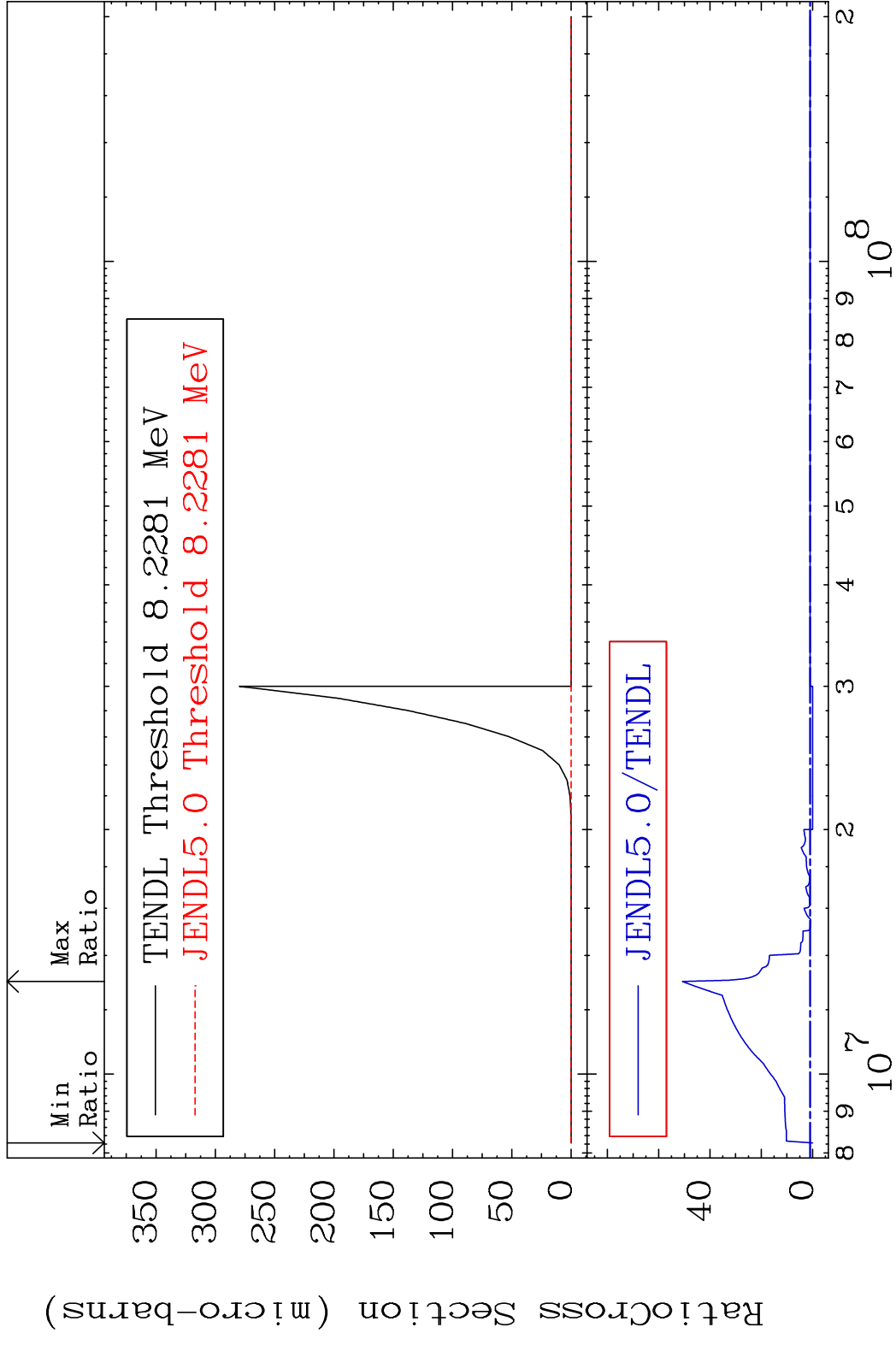
70 Incident Energy (eV) 56-Ba-137



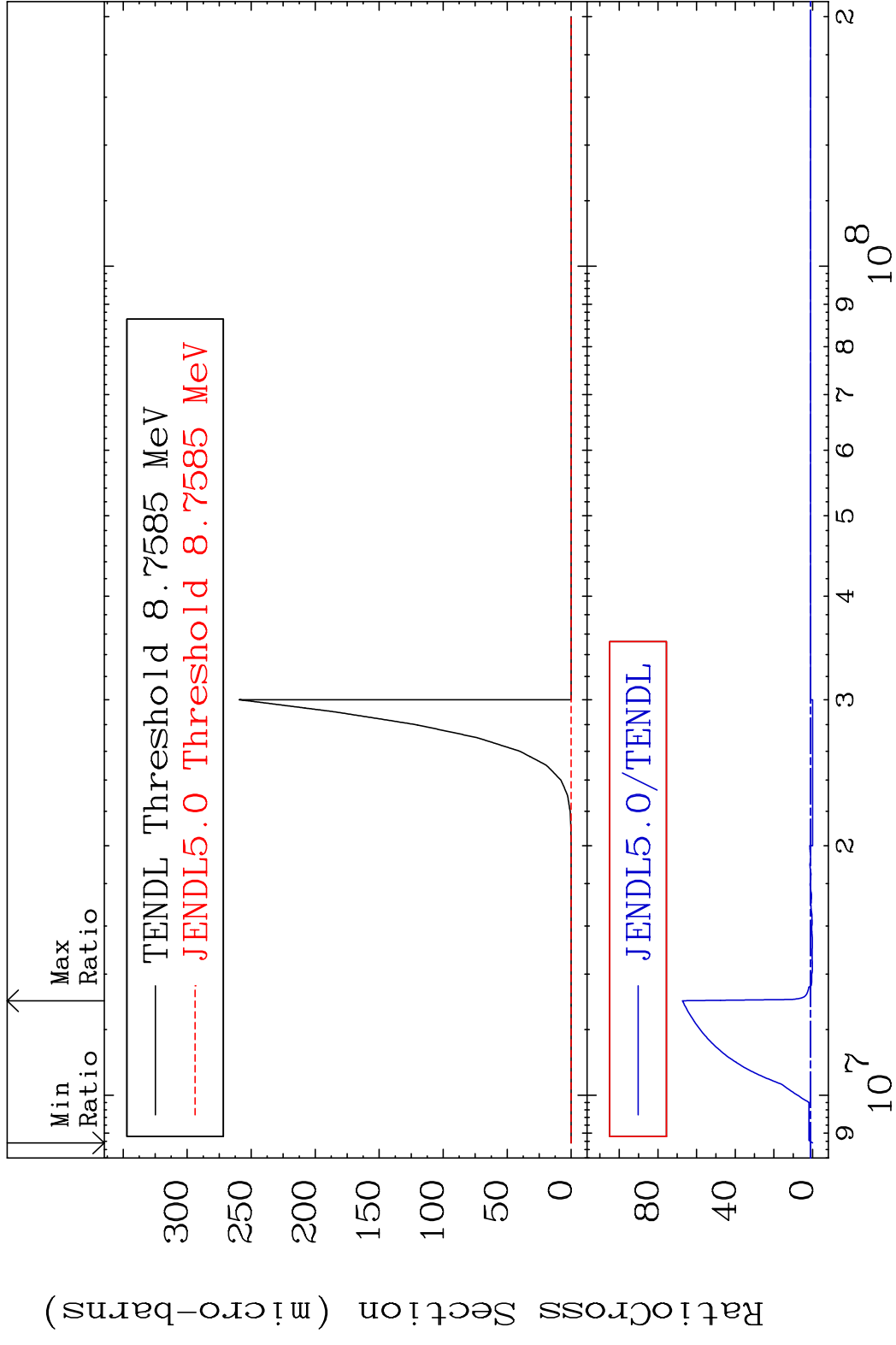
MAT 5646 (n, n') p:55-Cs-136g 56-Ba-137
 Radionuclide Production Cross Section Ratio 2219. %







MAT 5646 (n, He-3) :54-Xe-135m2 56-Ba-137
 Radionuclide Production Cross Section 1800.0 dth 6636. %



75 Incident Energy (eV) 56-Ba-137