

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

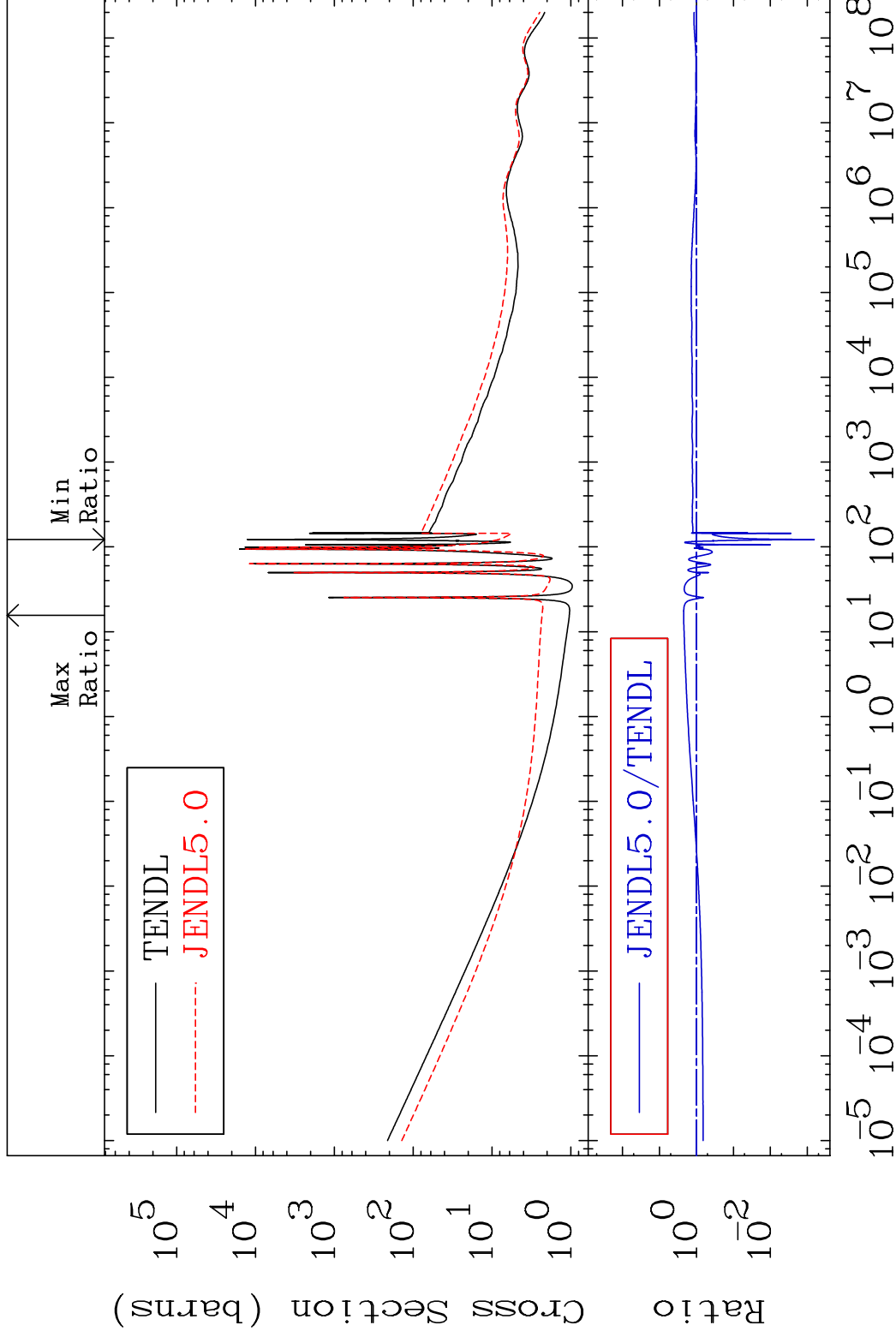
MAT 5634

Total

56-Ba-133

Cross Section

-99.93 To 121.7 %



1

Incident Energy (eV)

56-Ba-133

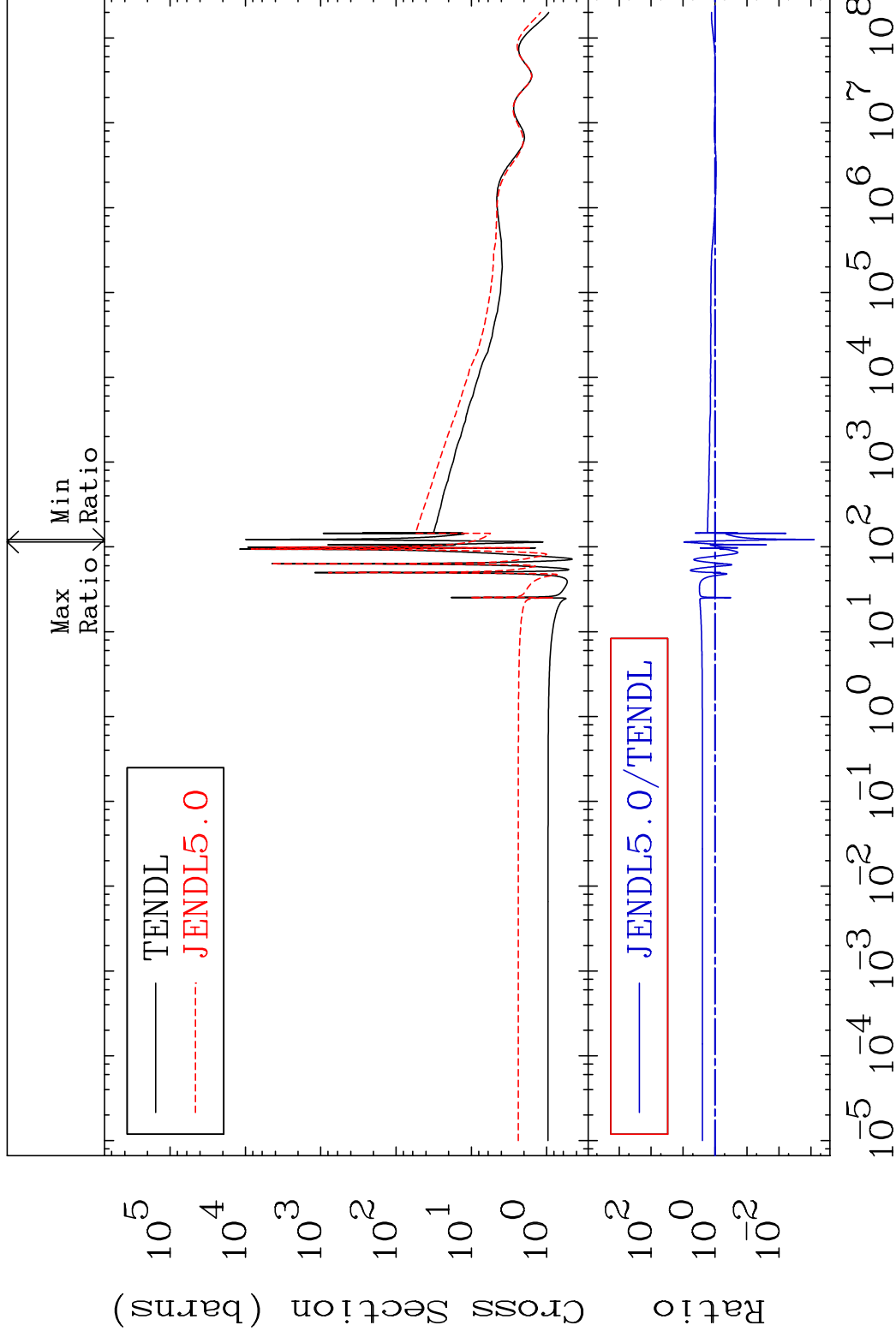
MAT 5634

Elastic

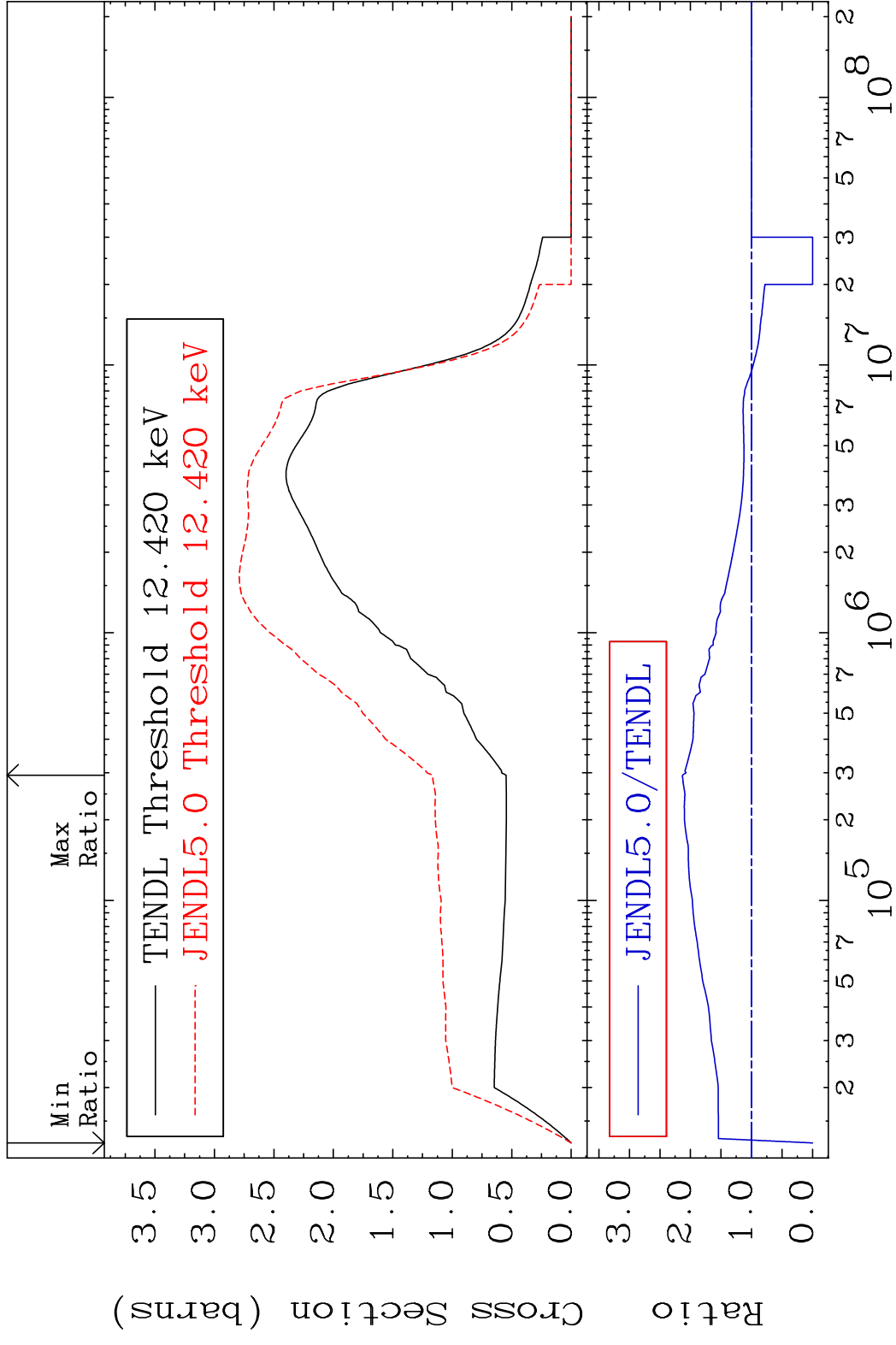
56-Ba-133

Cross Section

-99.92 To 860.3 %



MAT 5634 Inelastic Cross Section -100.0 To 113.3 % 56-Ba-133

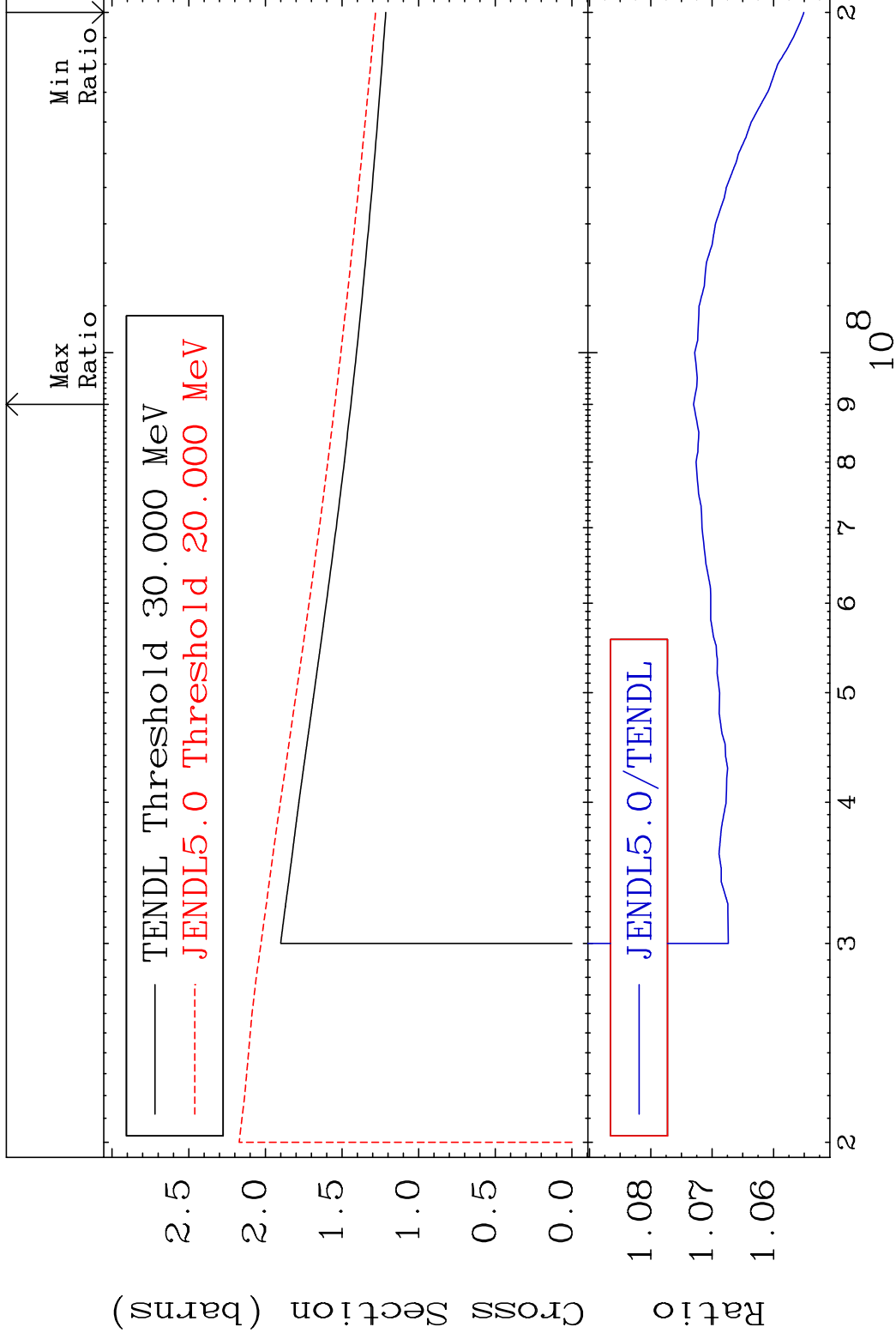


MAT 5634

(n, remainder)

56-Ba-133

Cross Section 5.504 To 7.302 %



4

Incident Energy (eV)

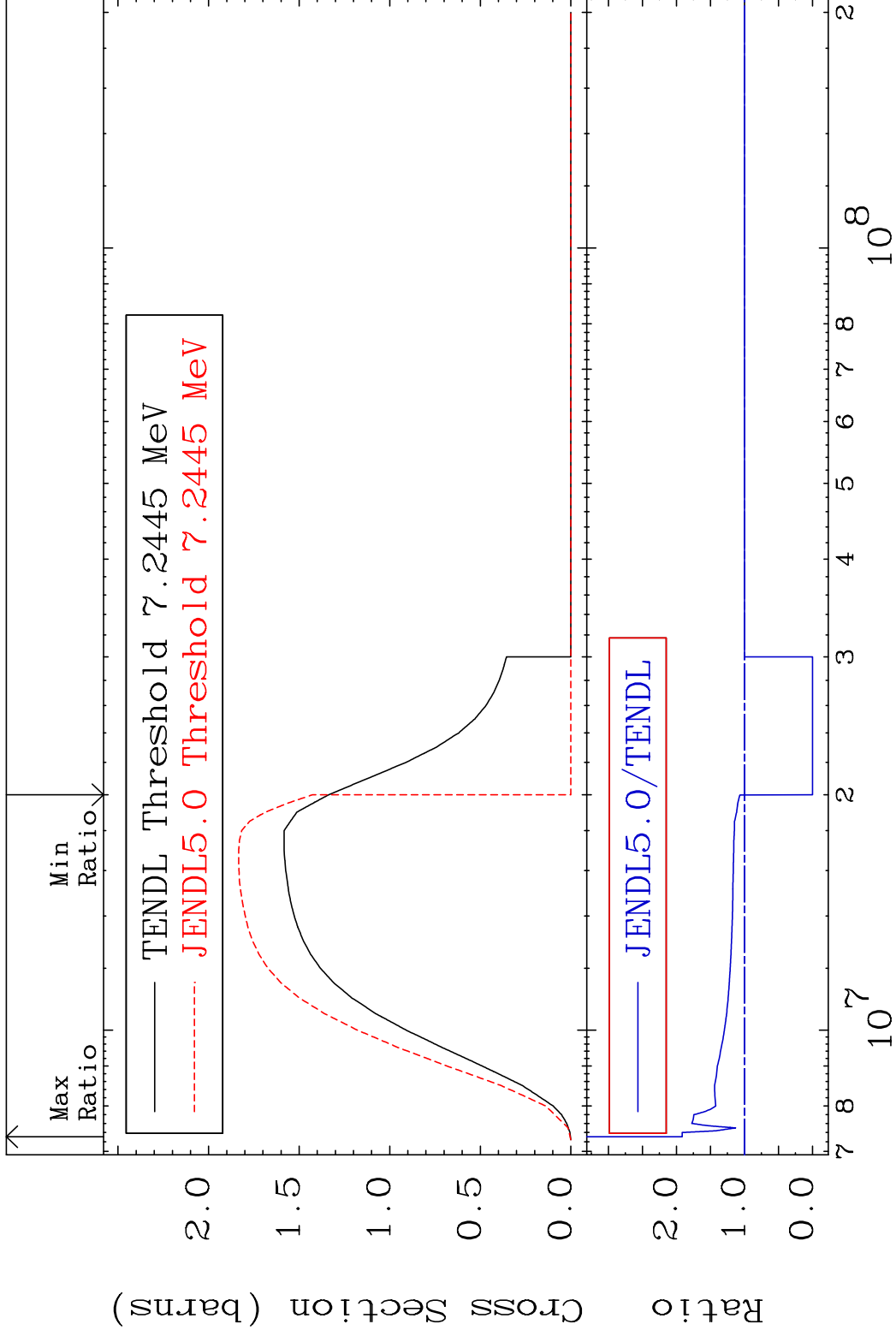
56-Ba-133

MAT 5634

(n,2n)

56-Ba-133

Cross Section -100.0 To 91.61 %



5

Incident Energy (eV)

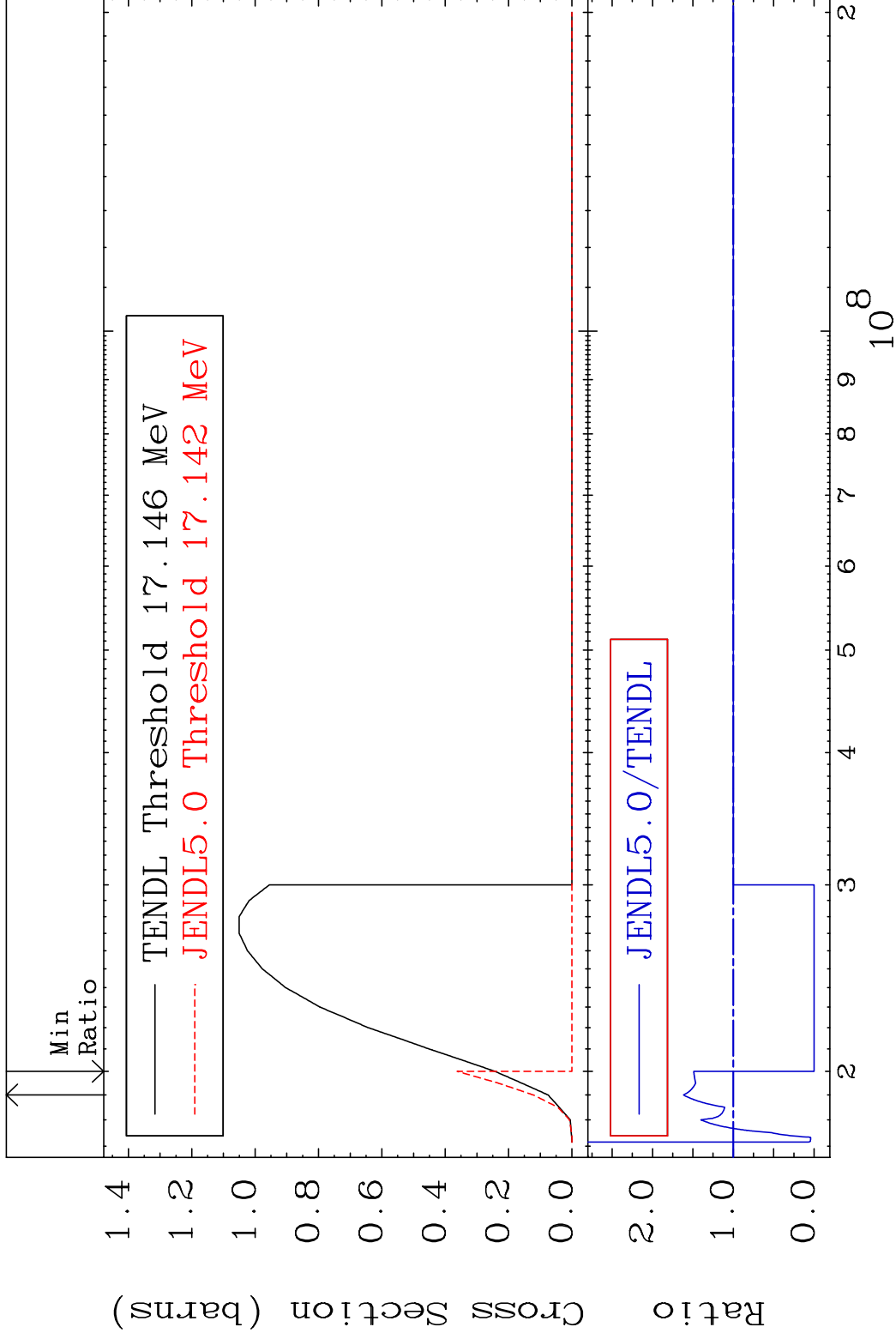
56-Ba-133

MAT 5634

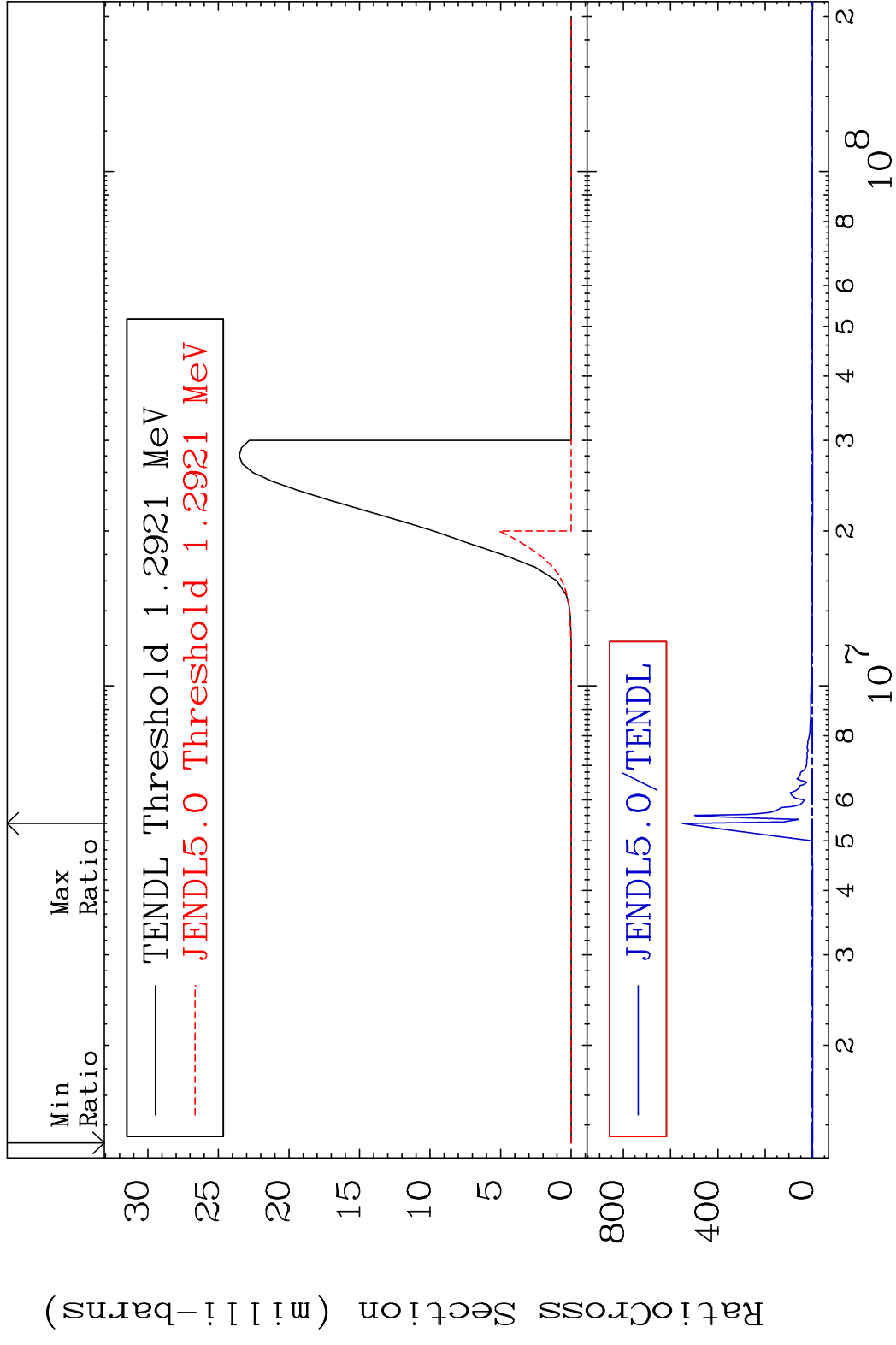
(n,3n)

56-Ba-133

Cross Section -100.0 To 61.69 %



MAT 5634 (n, n') α 56-Ba-133
 Cross Section -100.0 To 9999. %

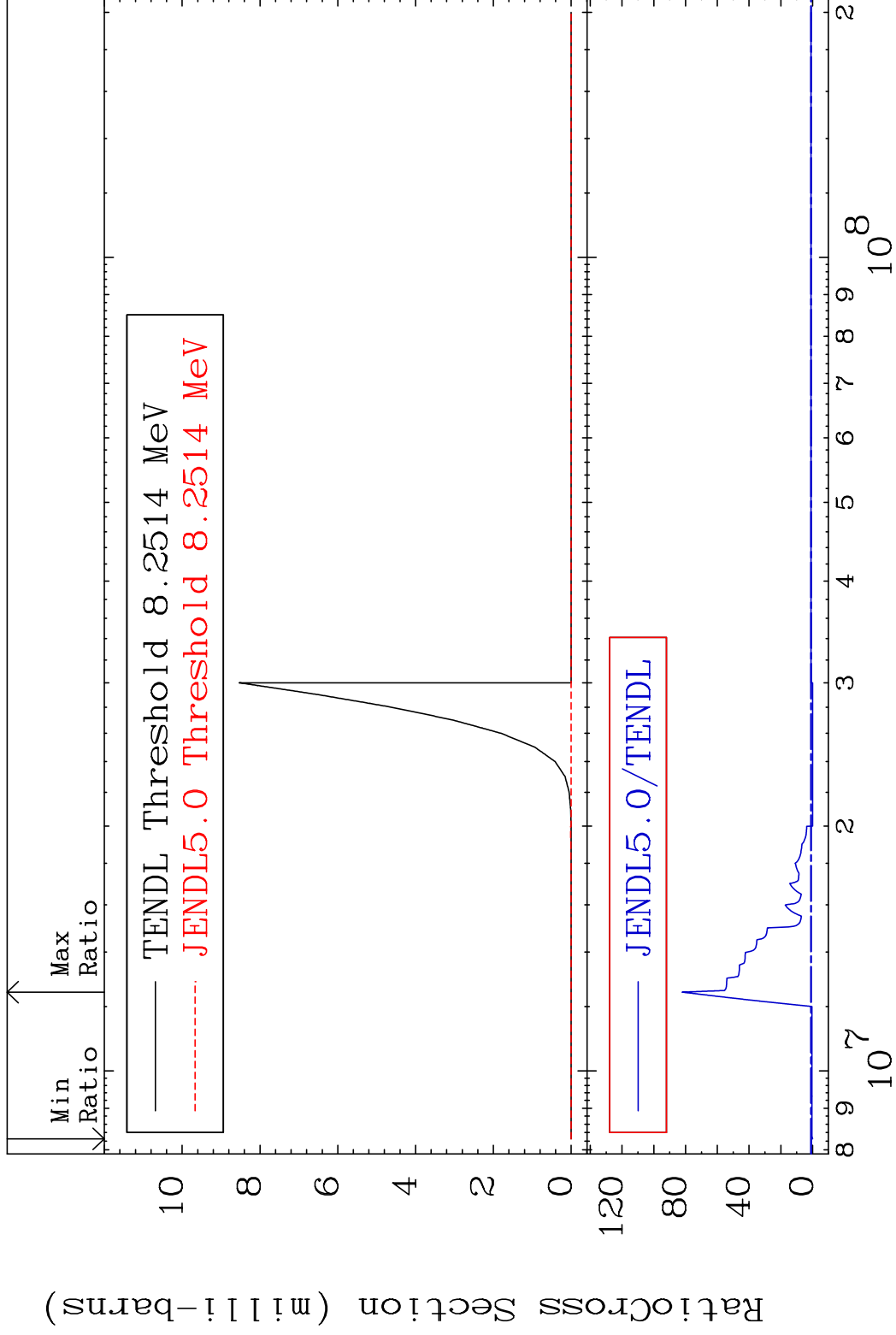


MAT 5634

(n,2n) α

56-Ba-133

Cross Section -100.0 To 8102. %

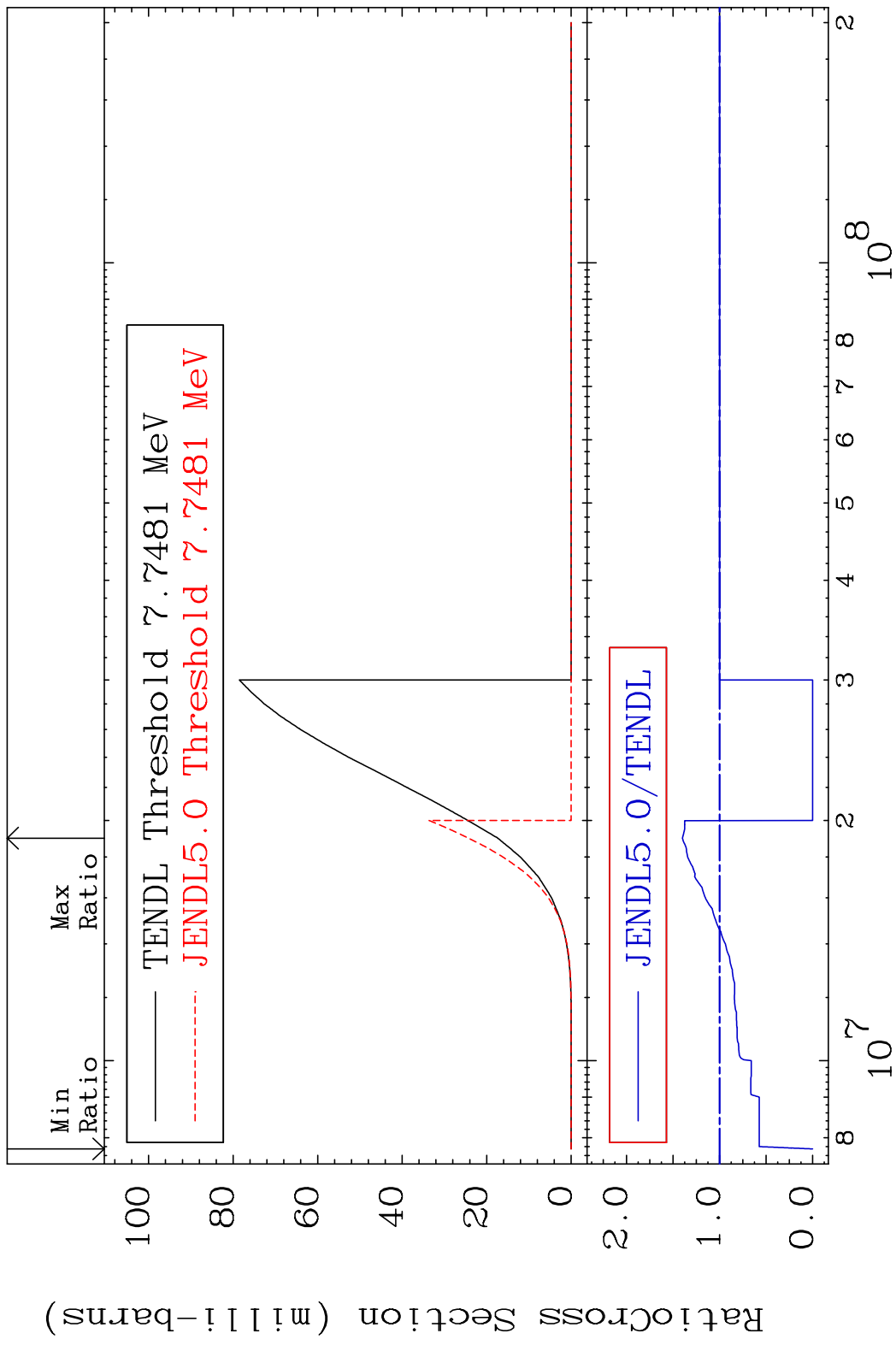


8

Incident Energy (eV)

56-Ba-133

MAT 5634 (n, n') p 56-Ba-133
 Cross Section -100.0 To 39.96 %

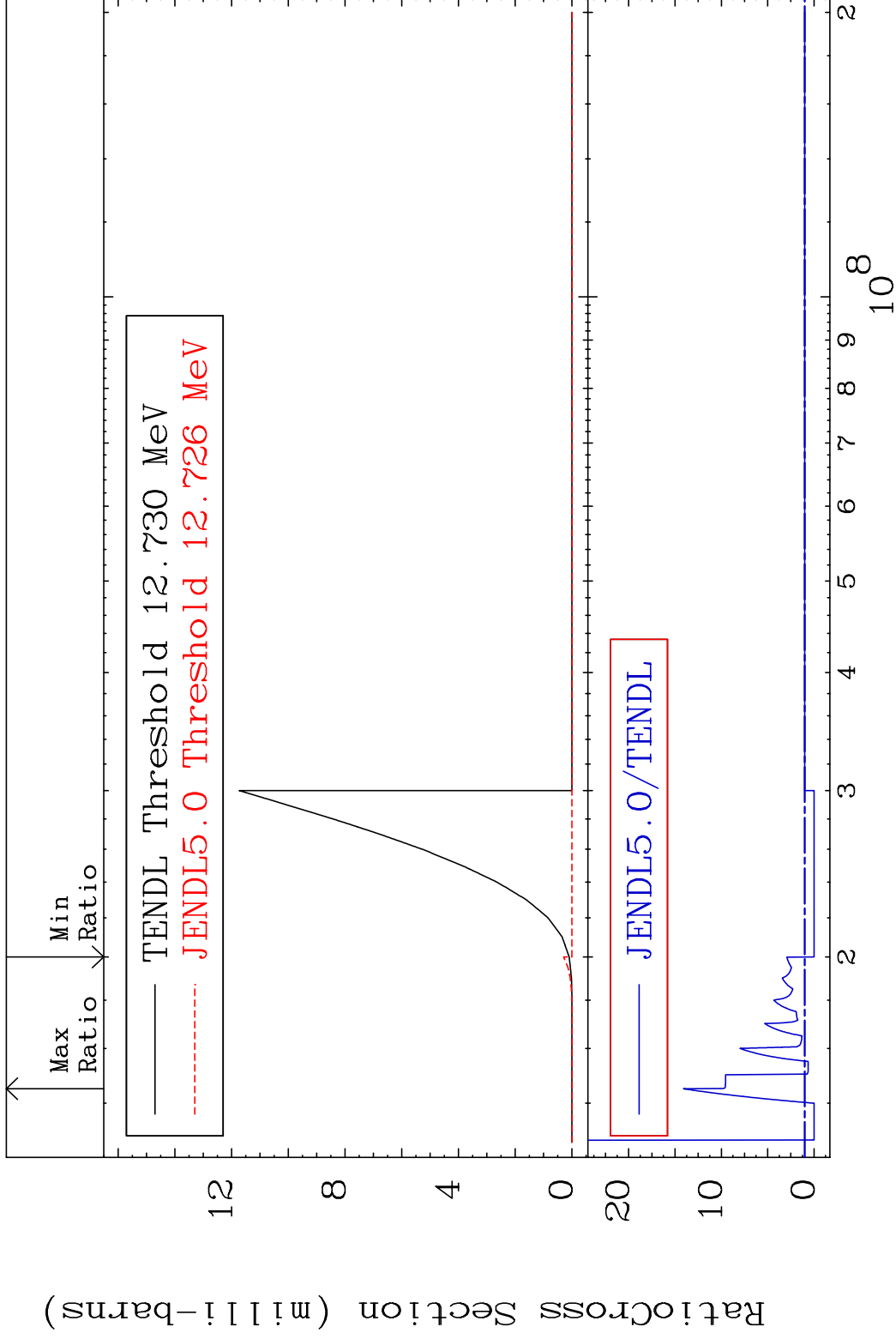


MAT 5634

(n, n') d

56-Ba-133

Cross Section -100.0 To 1309. %

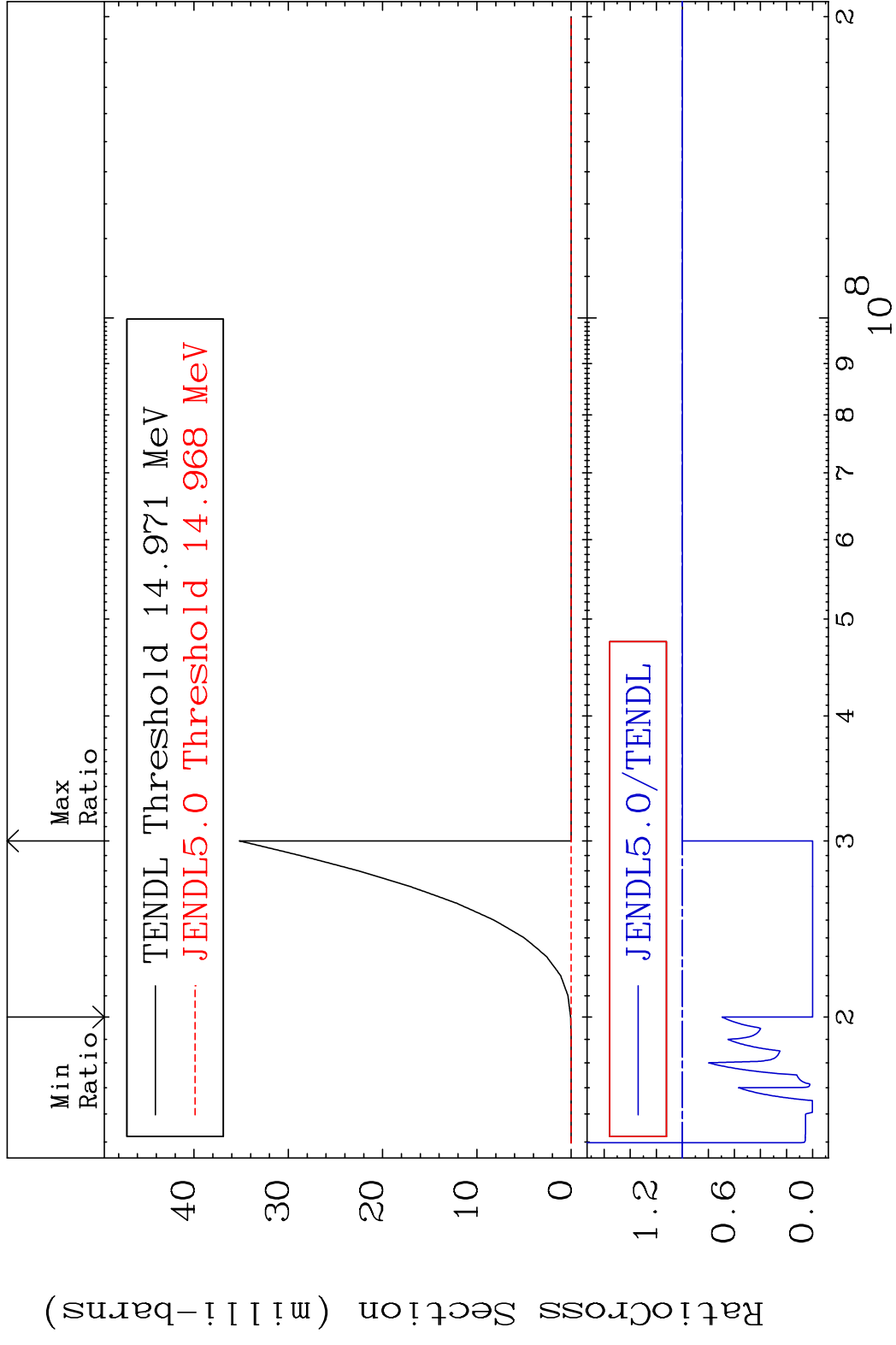


10

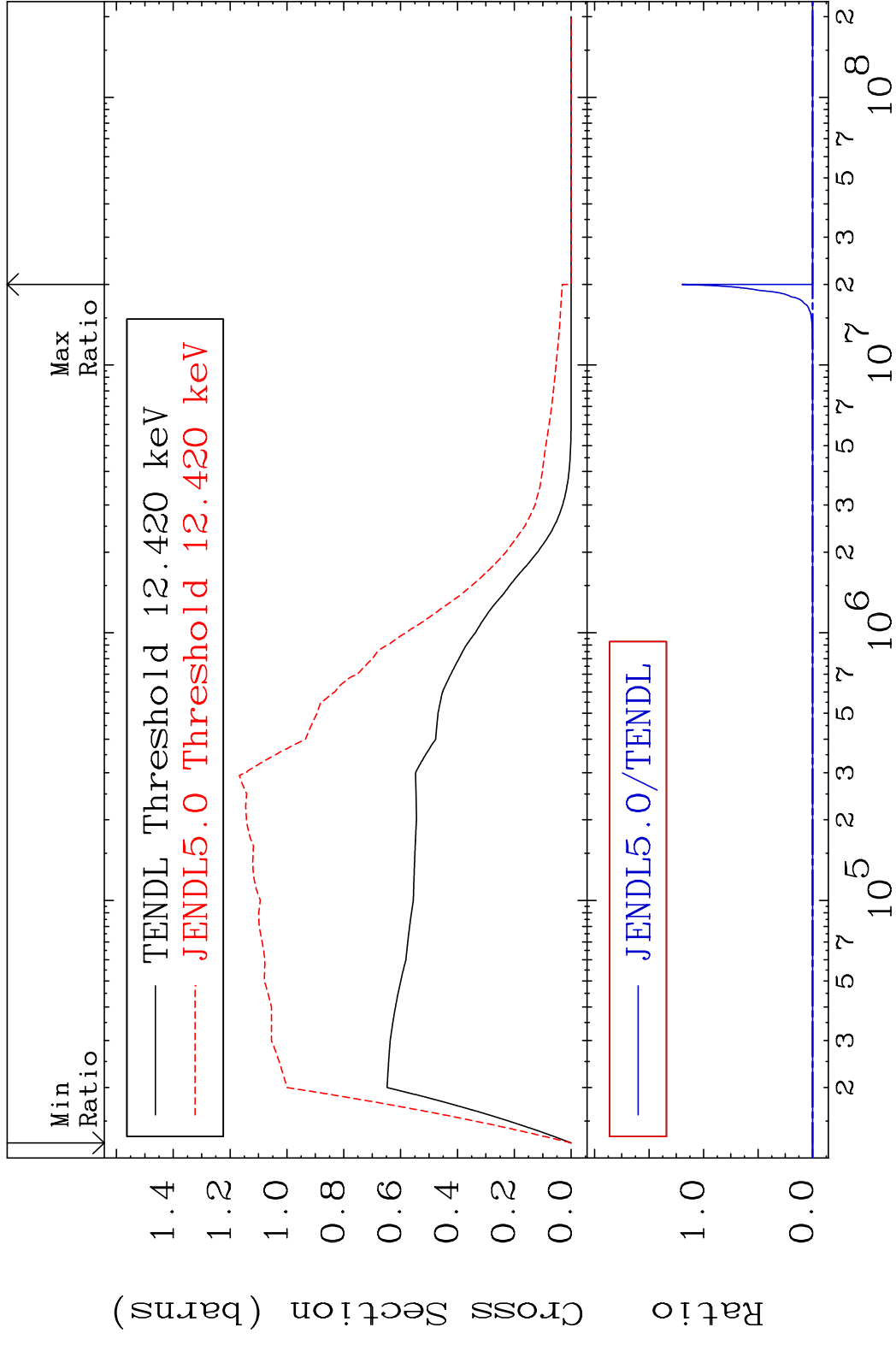
Incident Energy (eV)

56-Ba-133

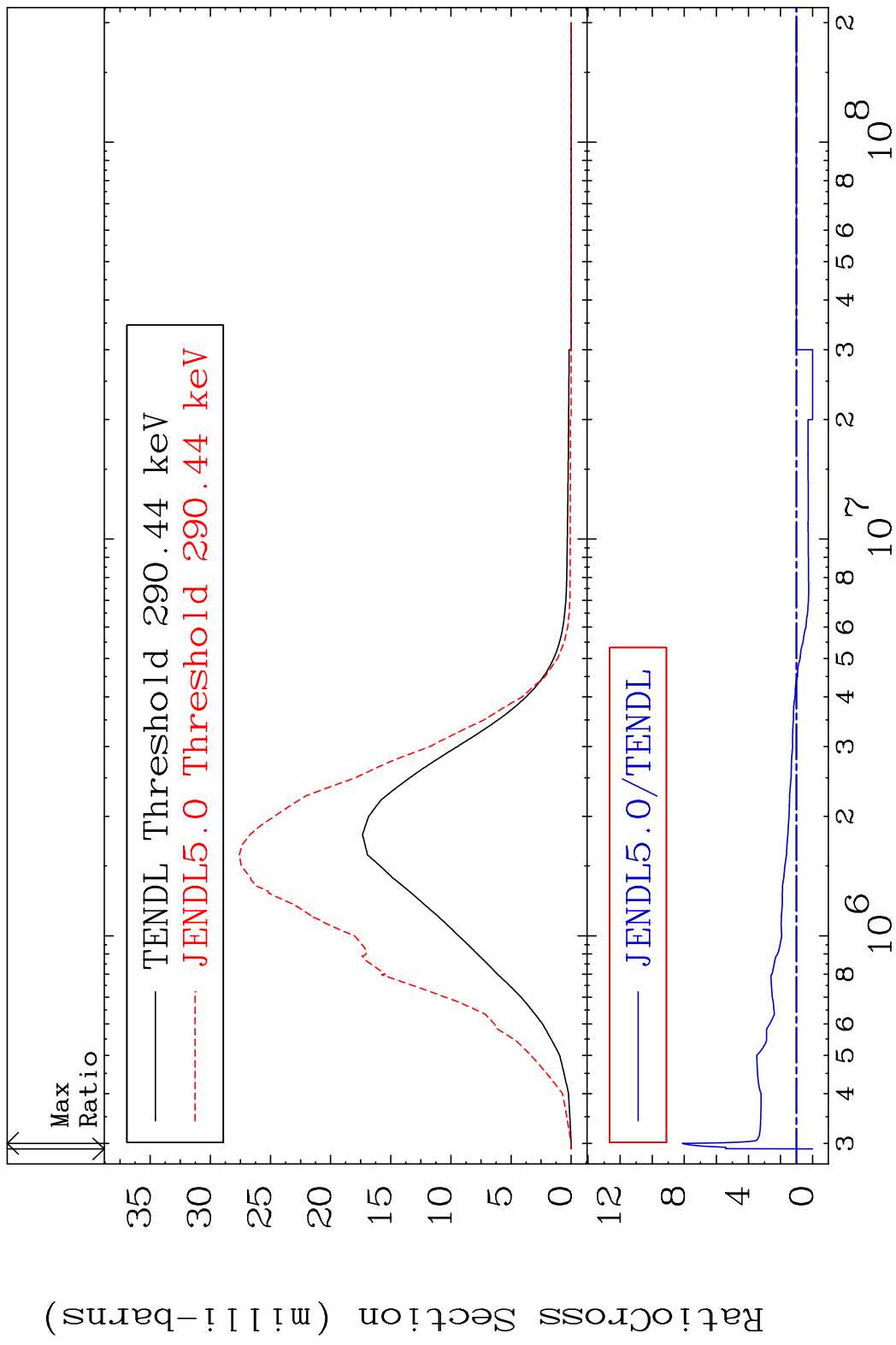
MAT 5634 (n,2n) p 56-Ba-133
 Cross Section -100.0 To 0.000 %



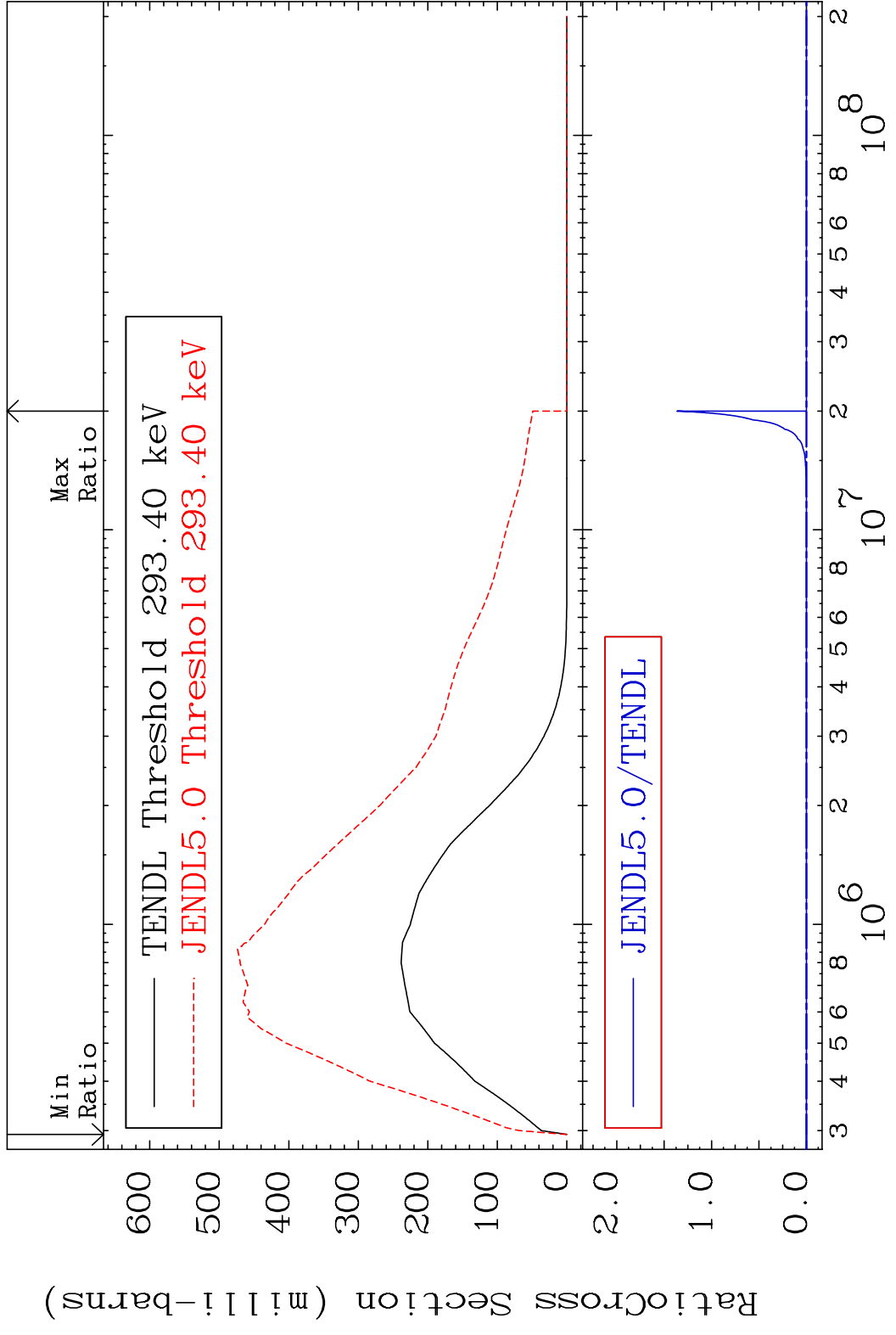
MAT 5634 MT= 51 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



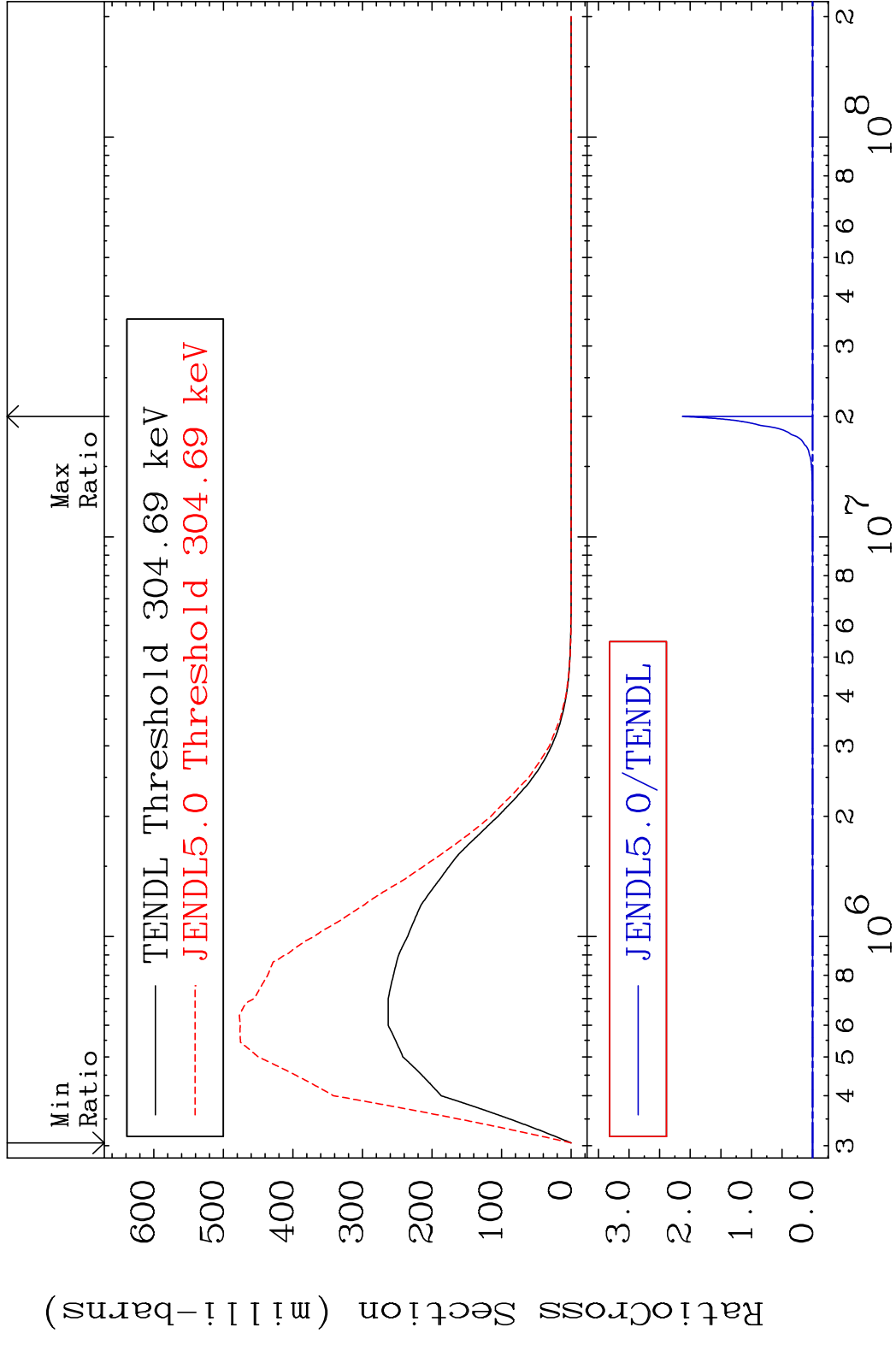
MAT 5634 MT= 52 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 712.1 %



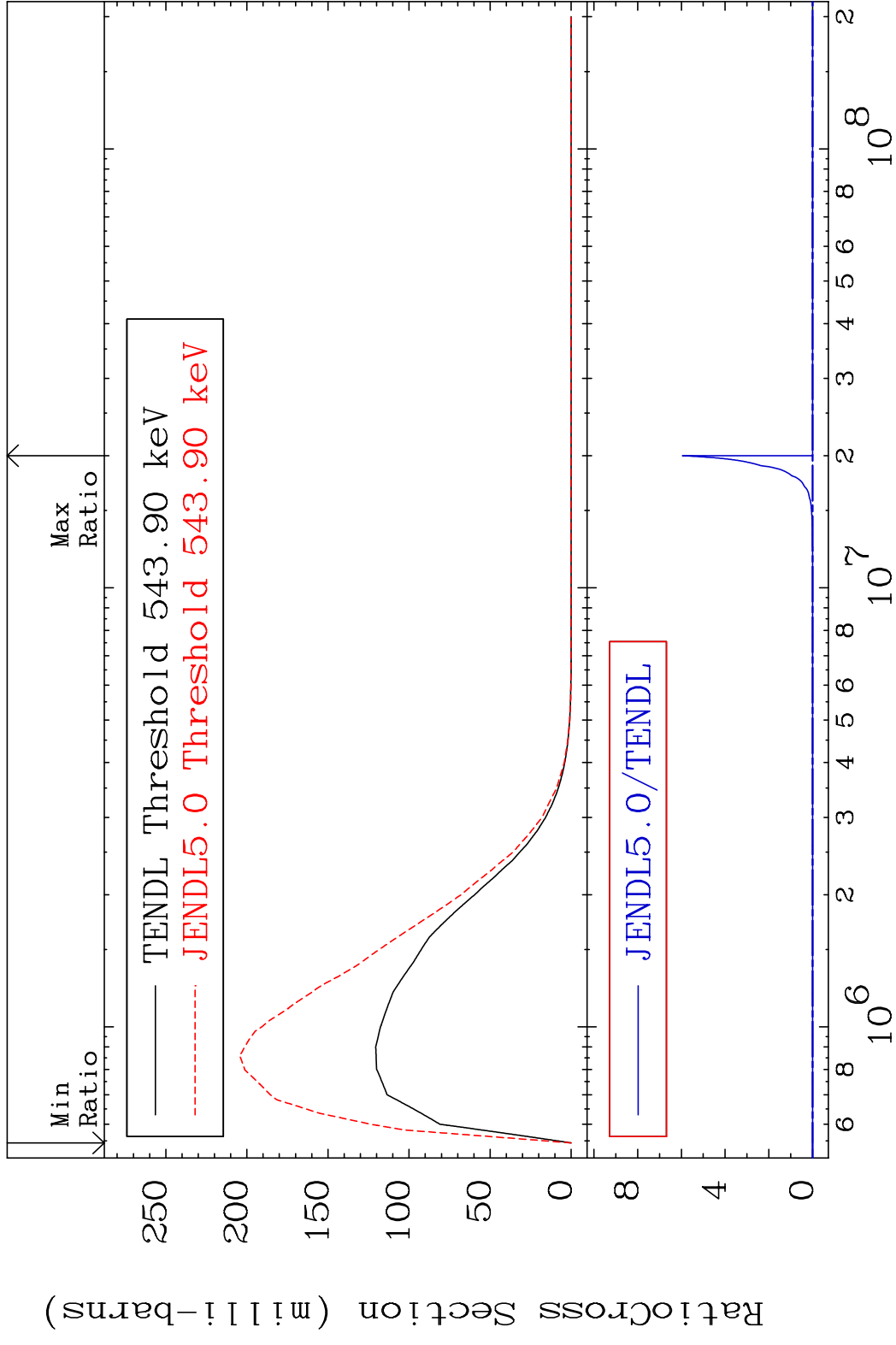
MAT 5634 MT= 53 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



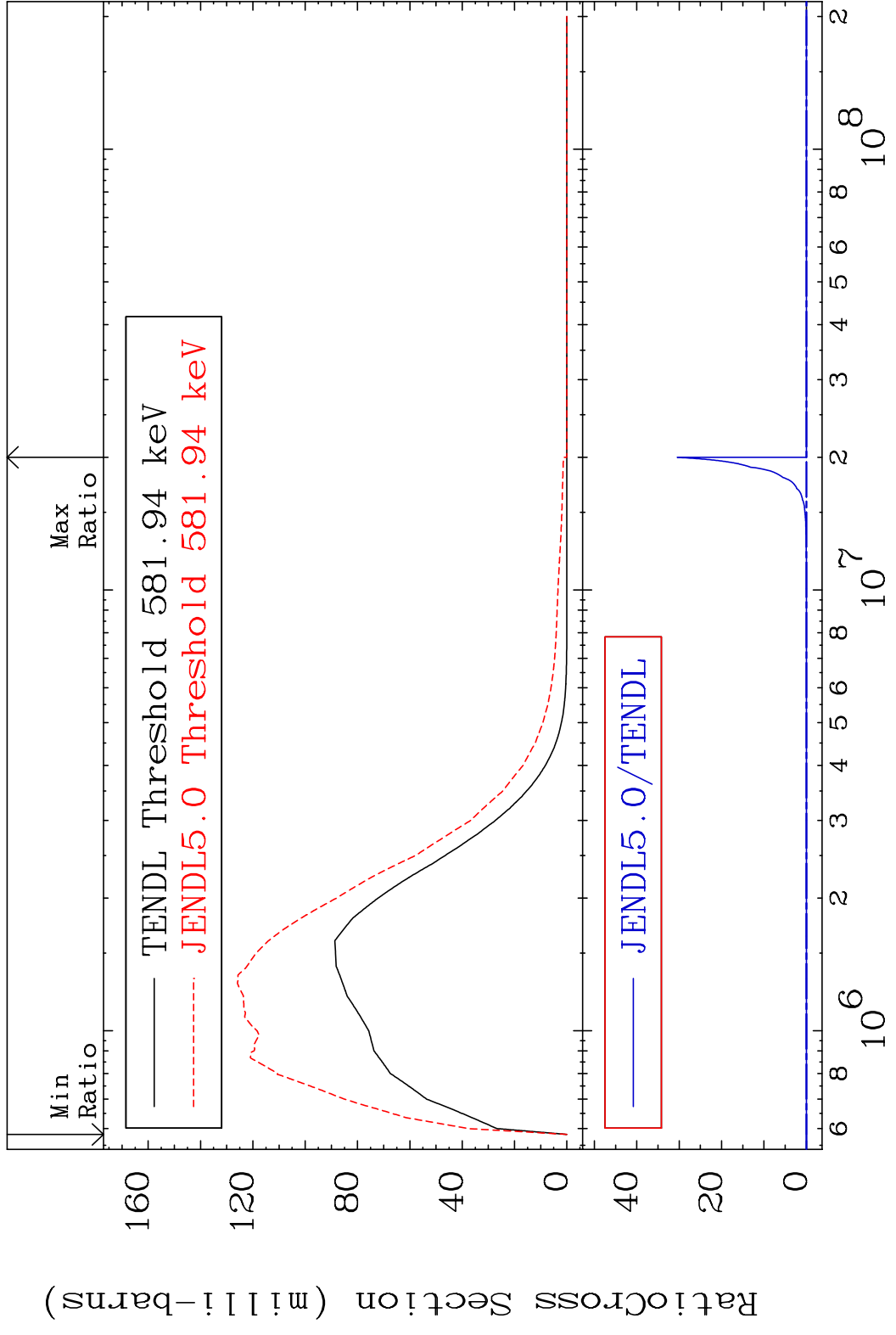
MAT 5634 MT= 54 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



MAT 5634 MT= 55 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %

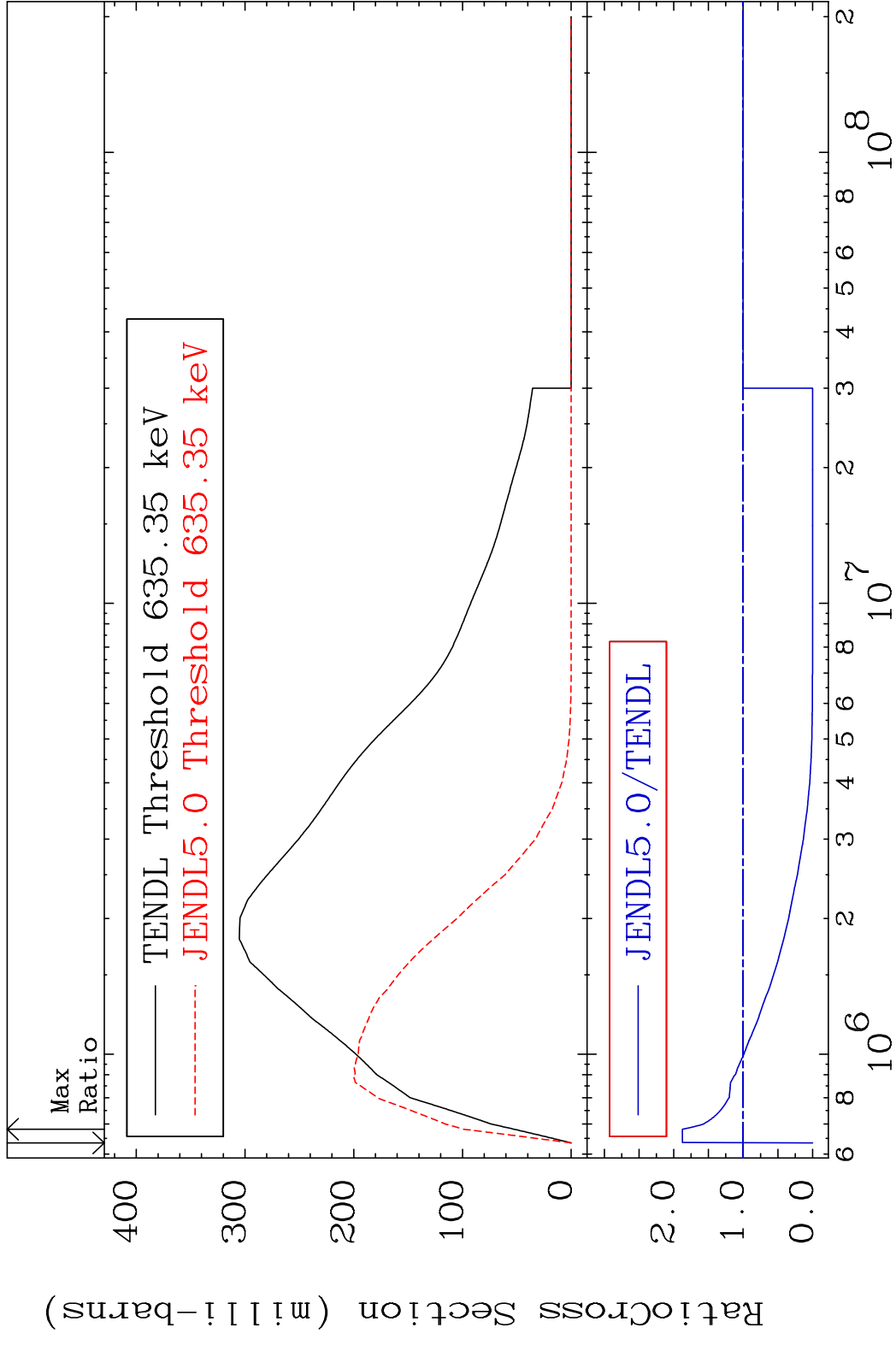


MAT 5634 MT= 56 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %

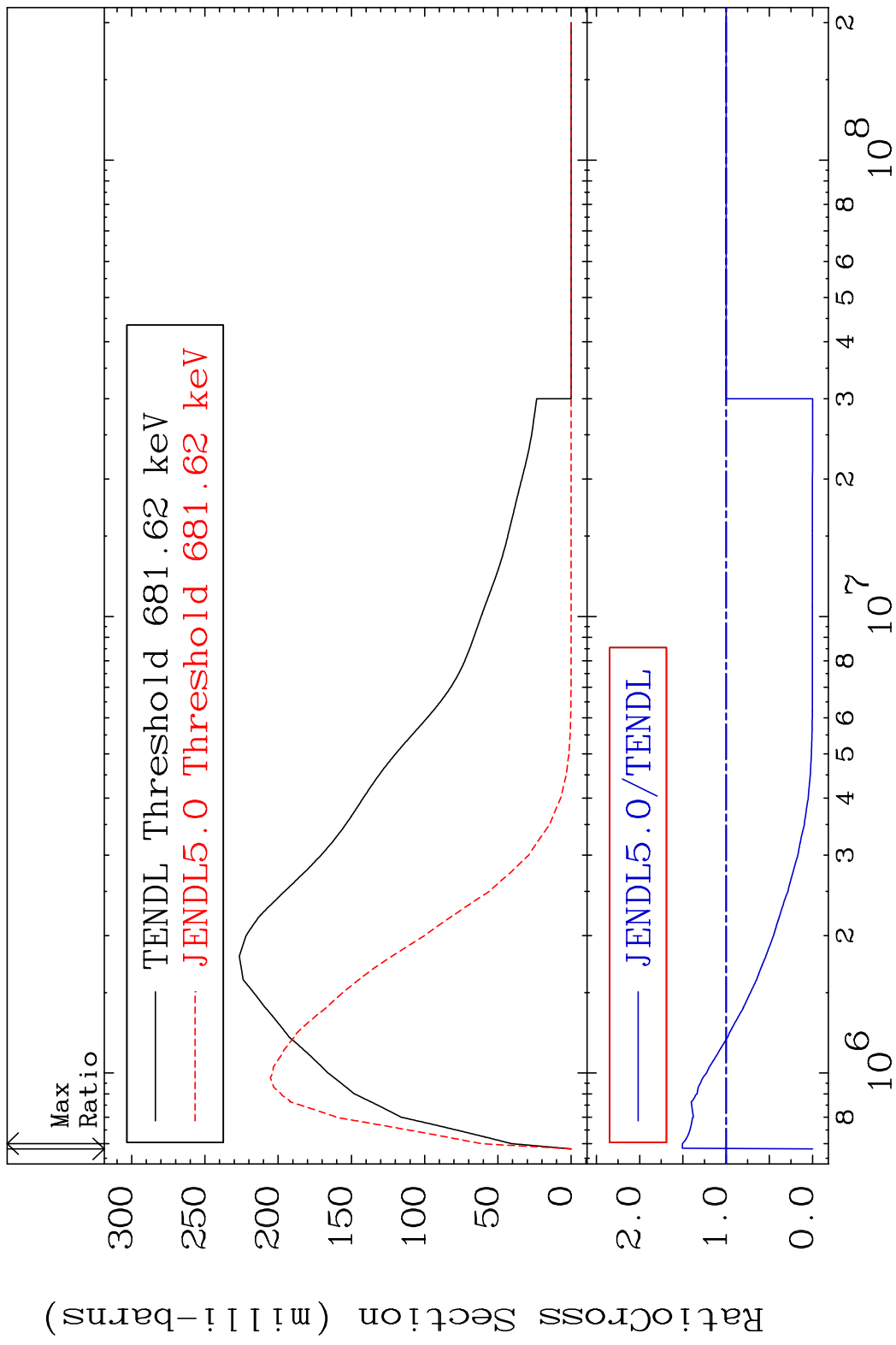


17 Incident Energy (eV) 56-Ba-133

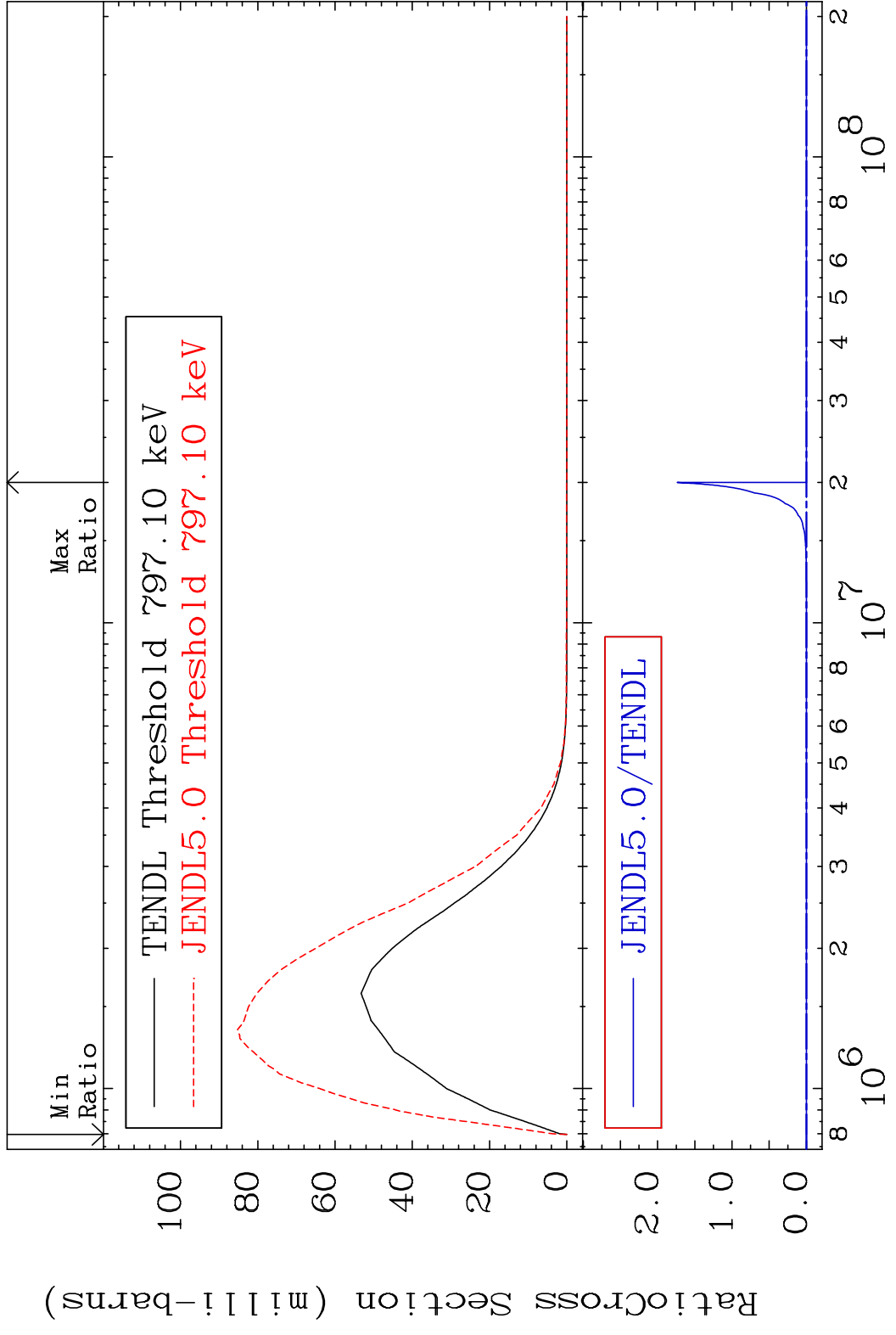
MAT 5634 MT= 57 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 87.59 %



MAT 5634 MT= 58 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 50.61 %

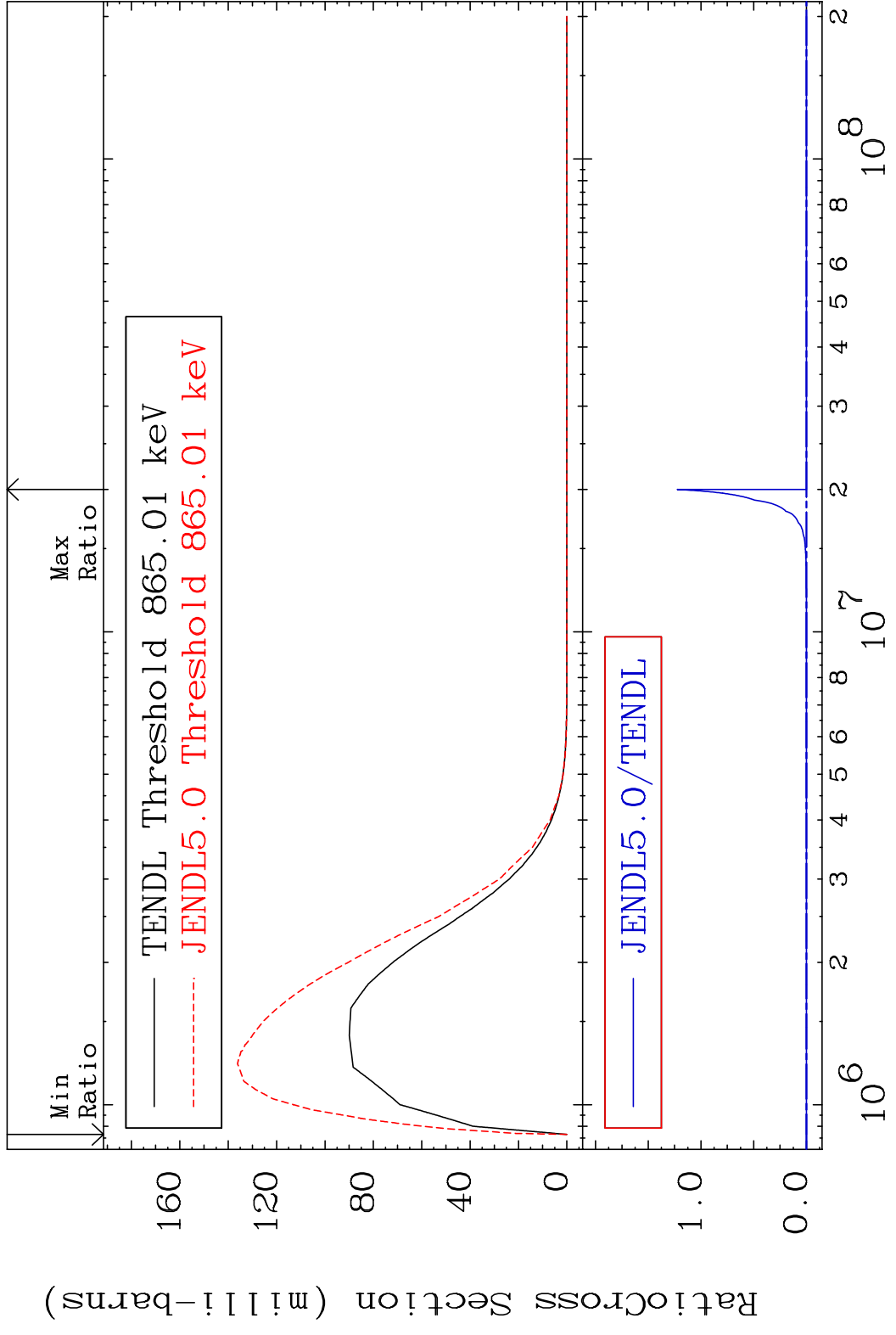


MAT 5634 MT= 59 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %

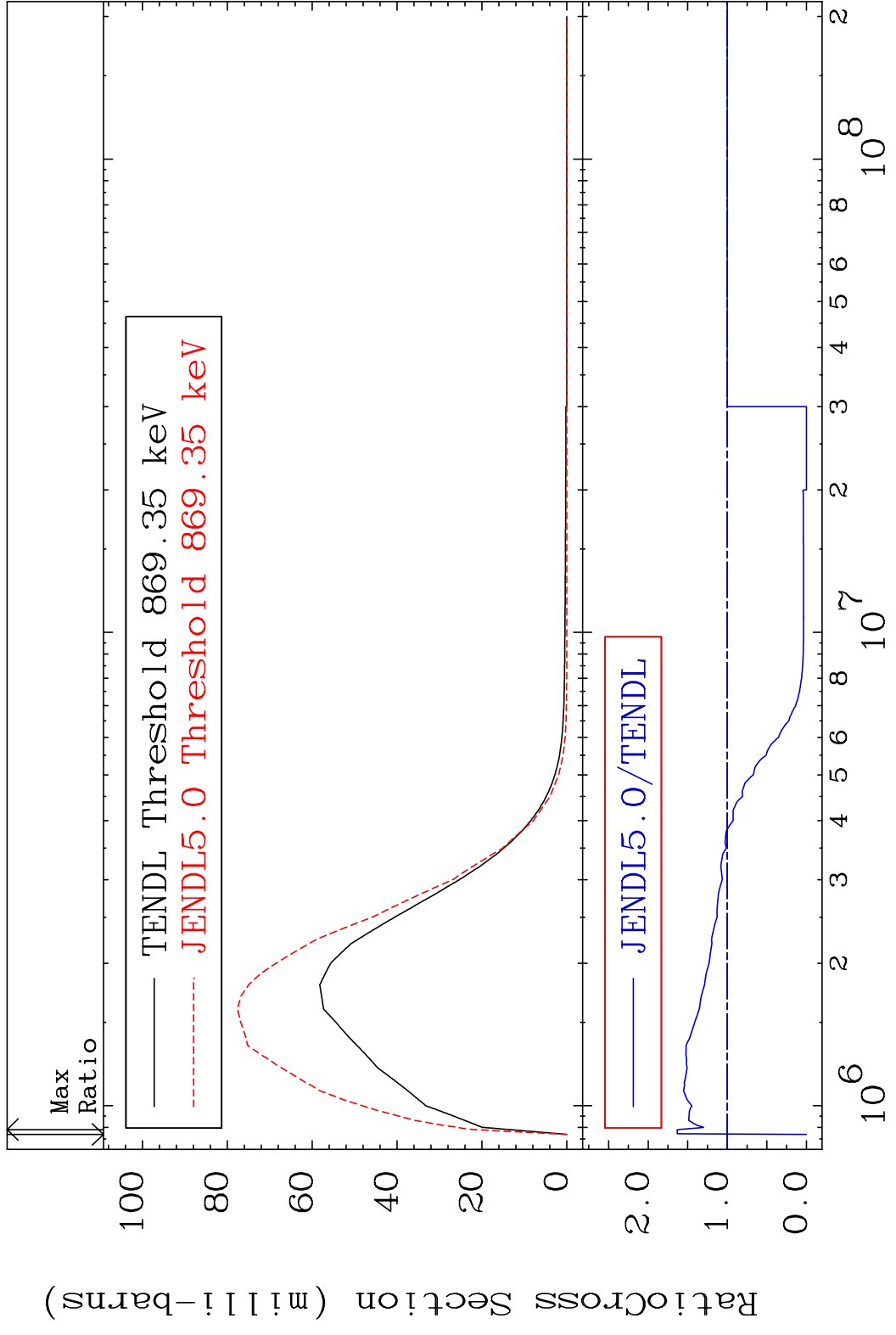


20 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 60 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %

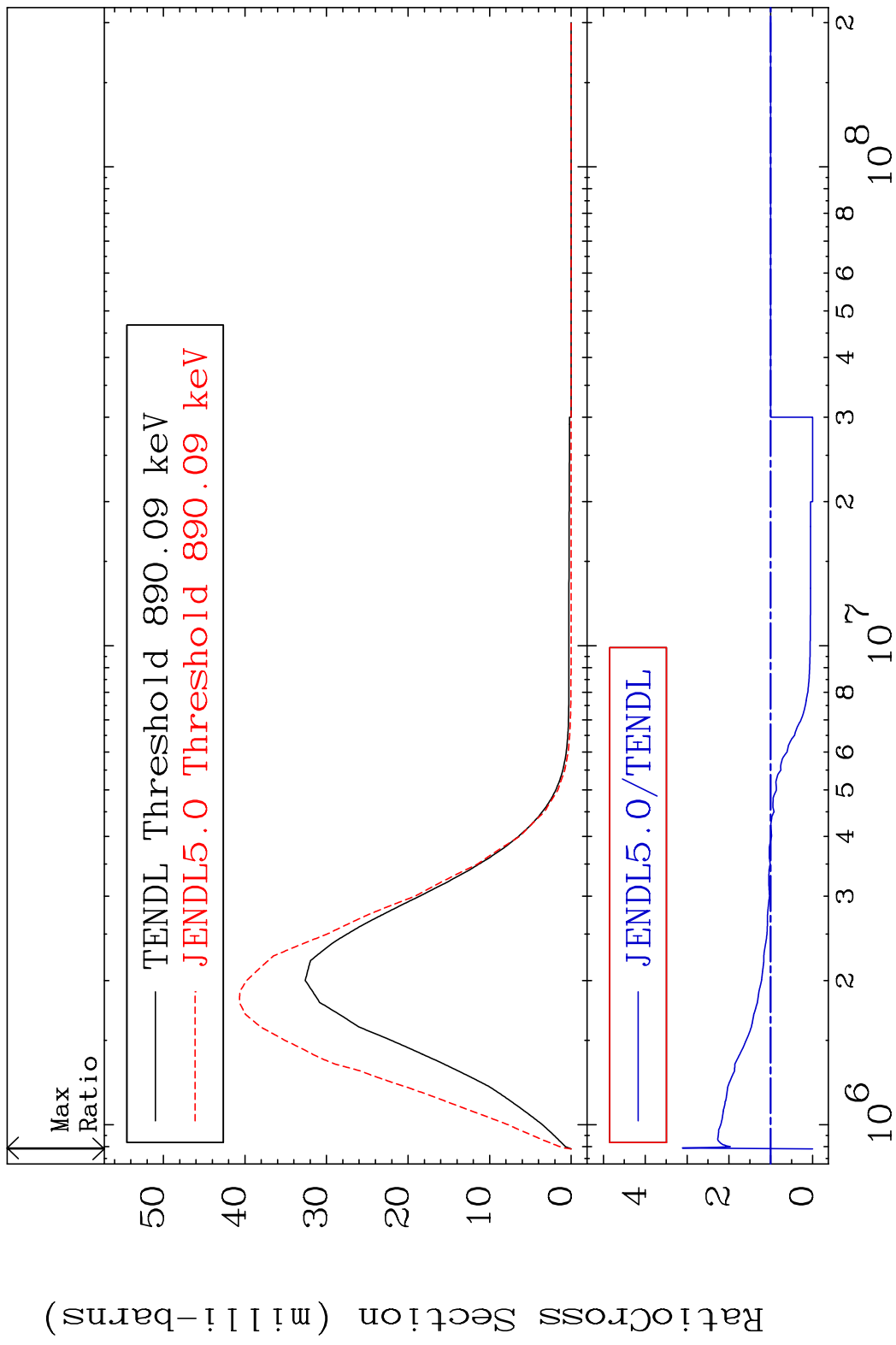


MAT 5634 MT= 61 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 63.32 %

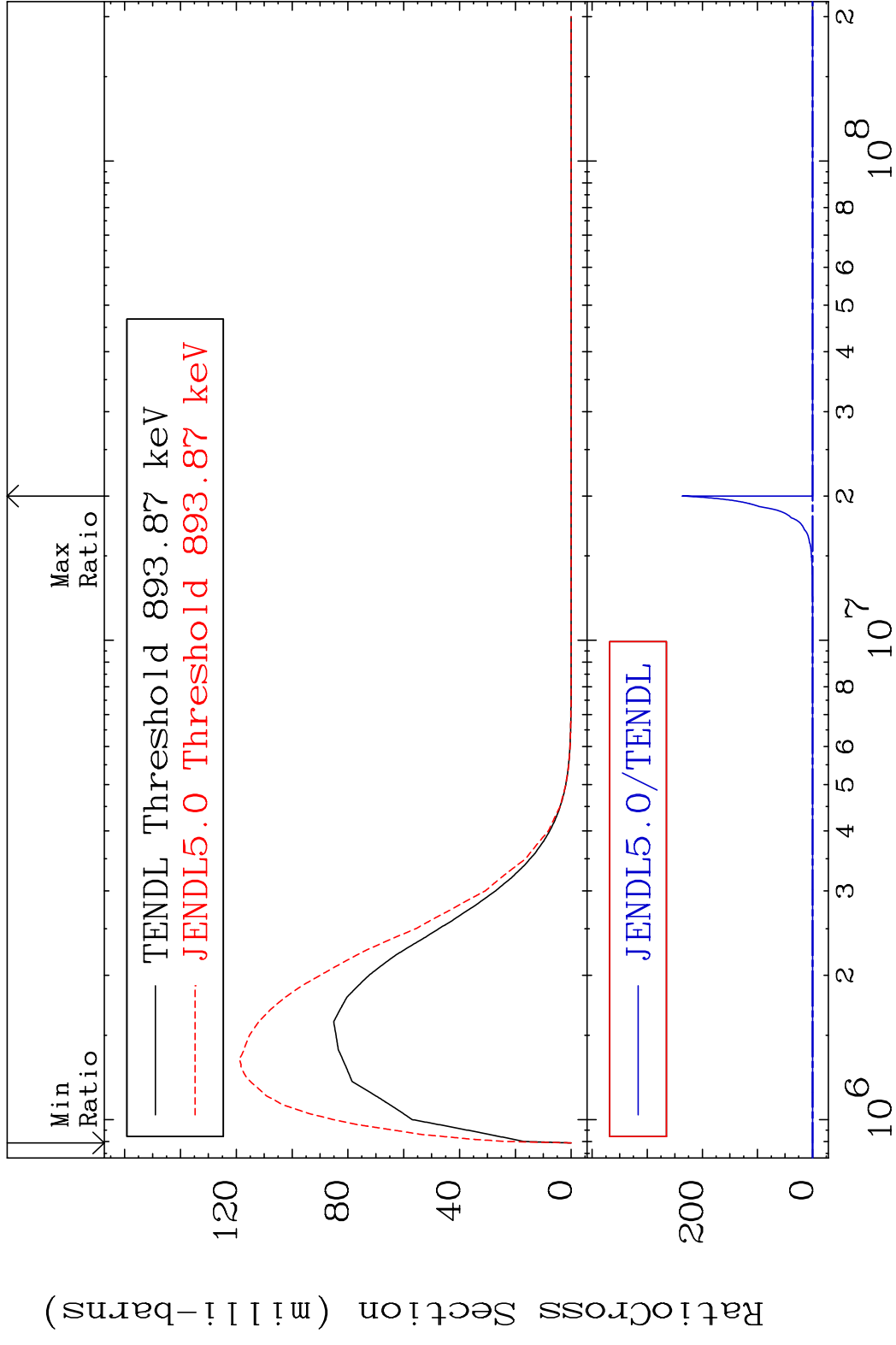


22 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 62 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 211.3 %

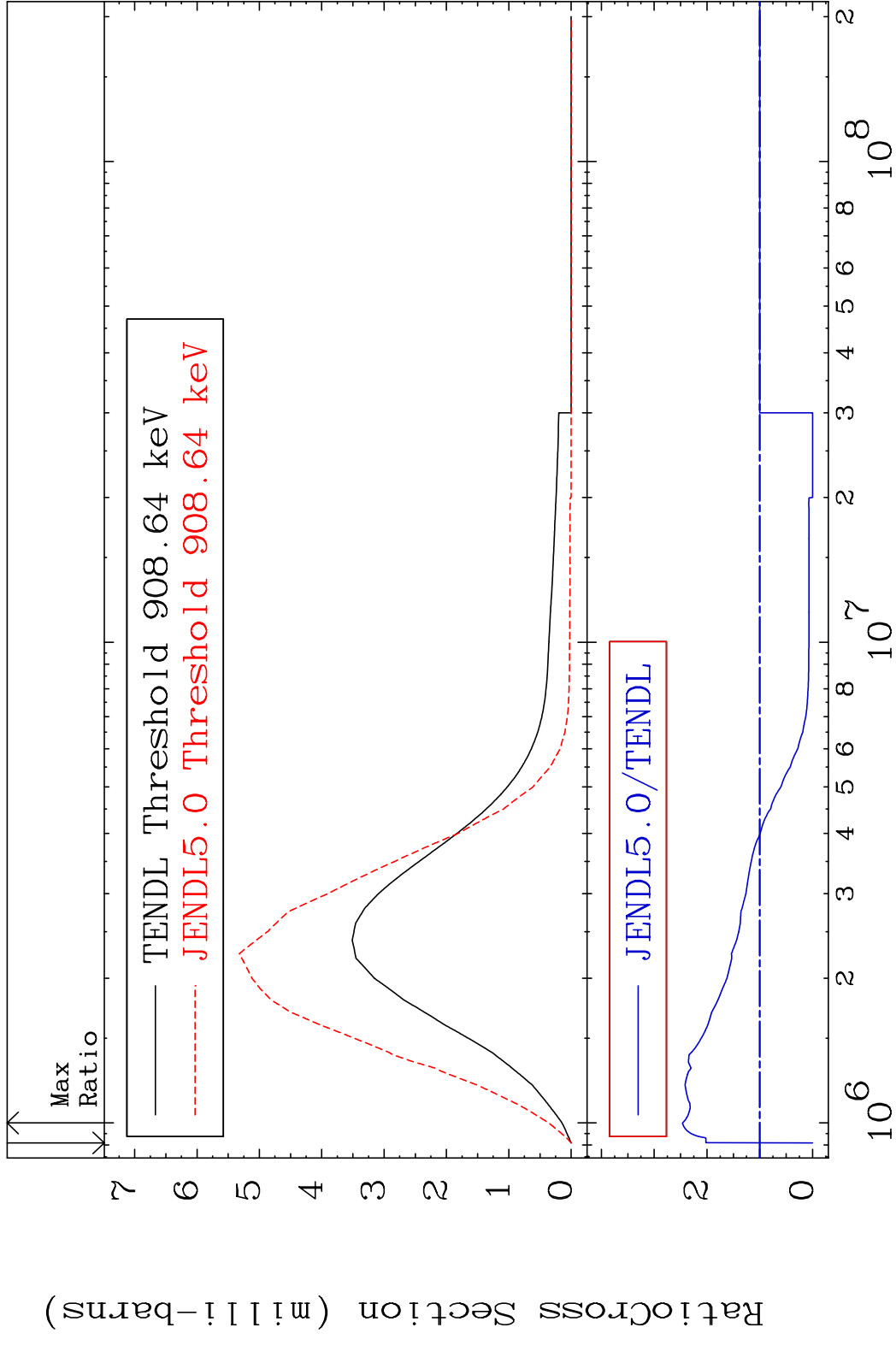


MAT 5634 MT= 63 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



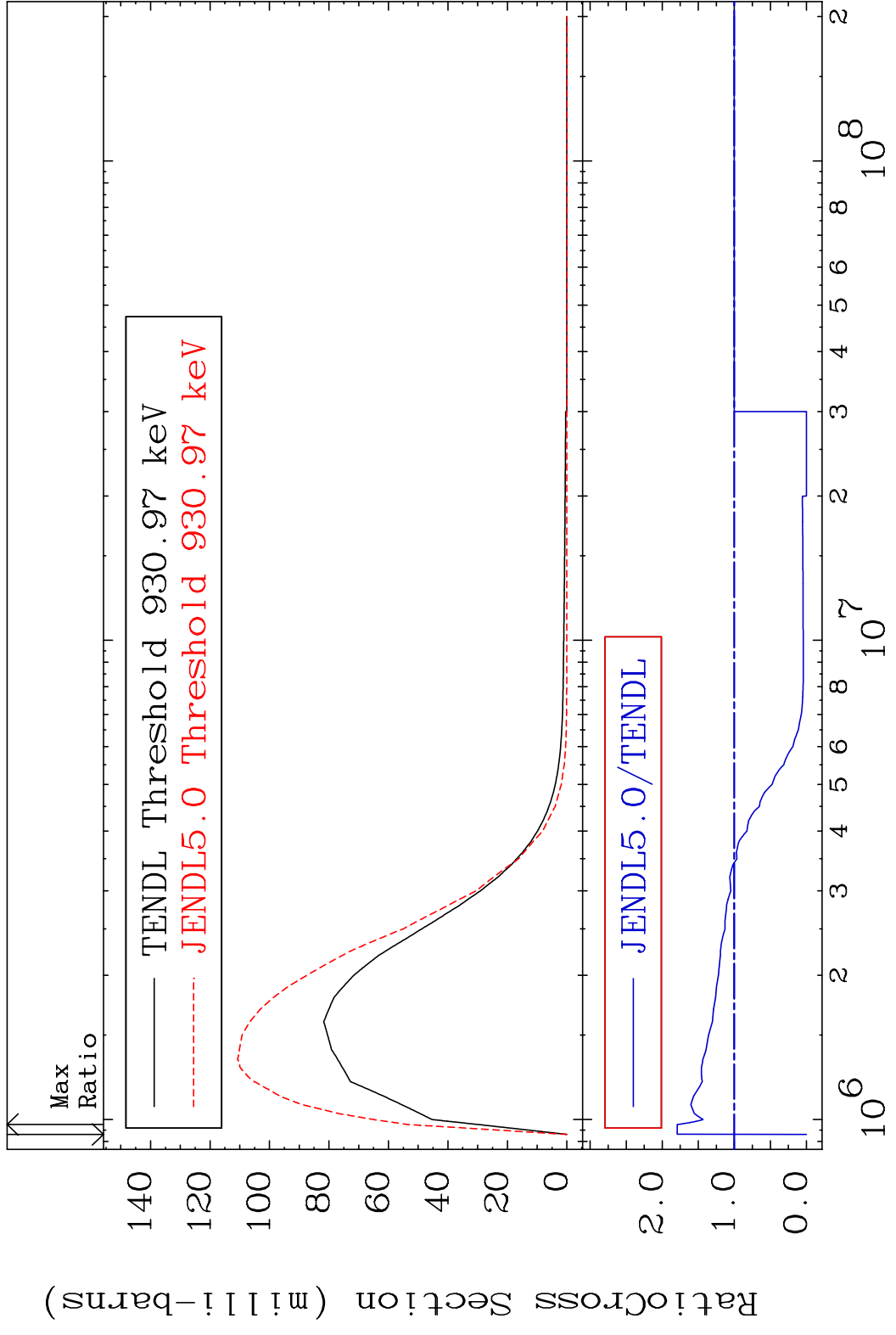
24 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 64 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 146.6 %

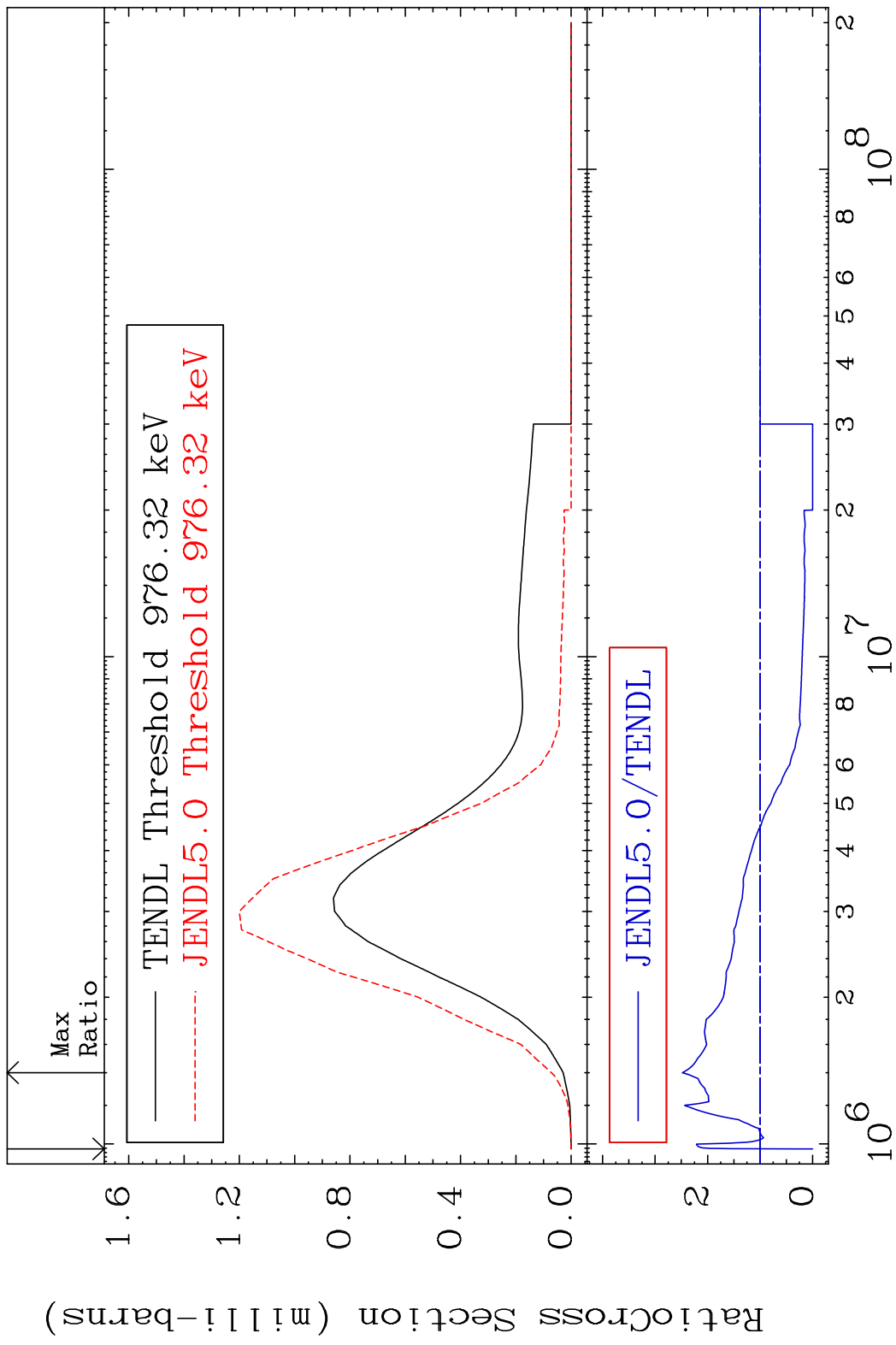


25 56-Ba-133

MAT 5634 MT= 65 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 79.25 %

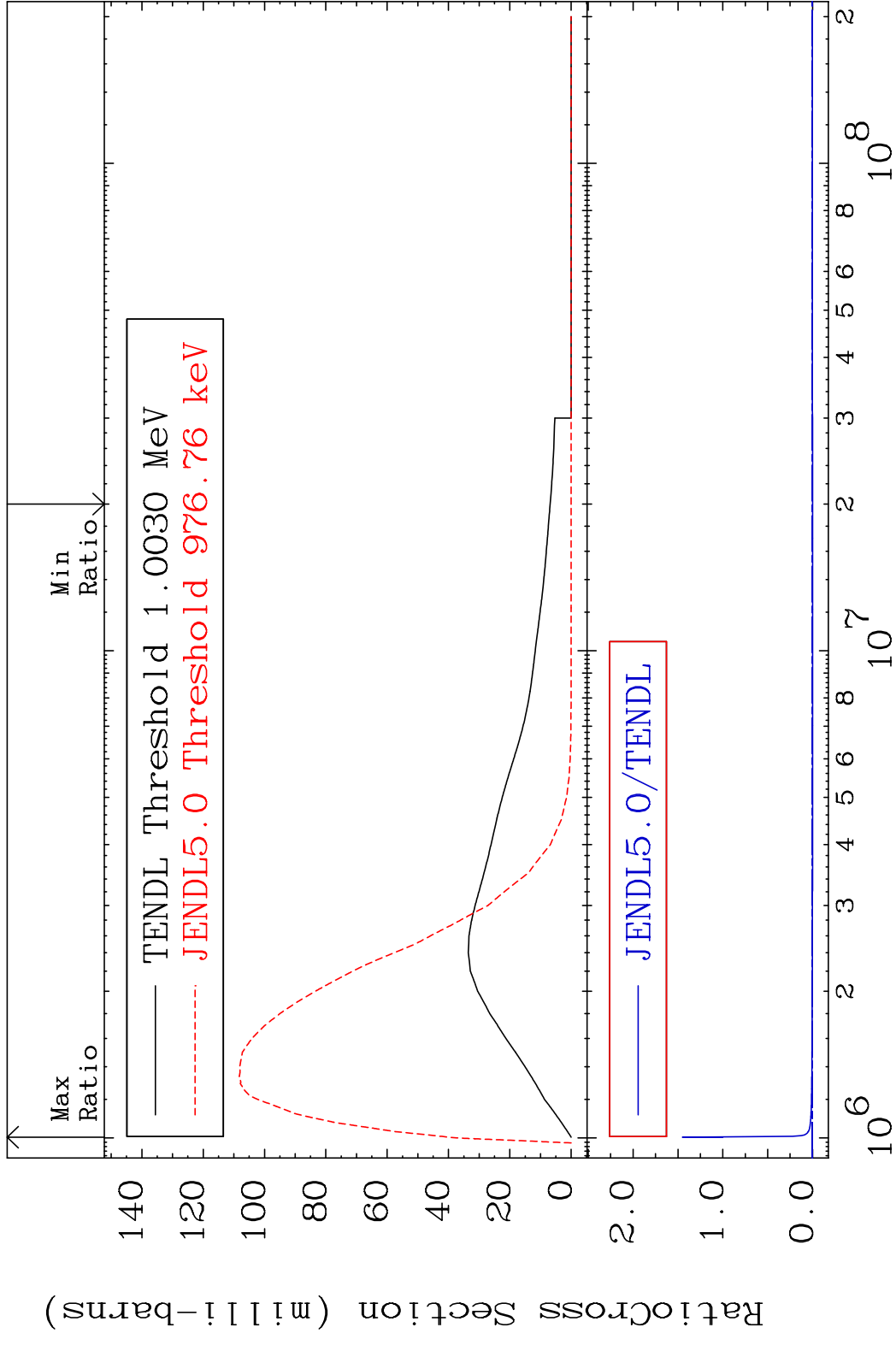


MAT 5634 MT= 66 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 148.1 %



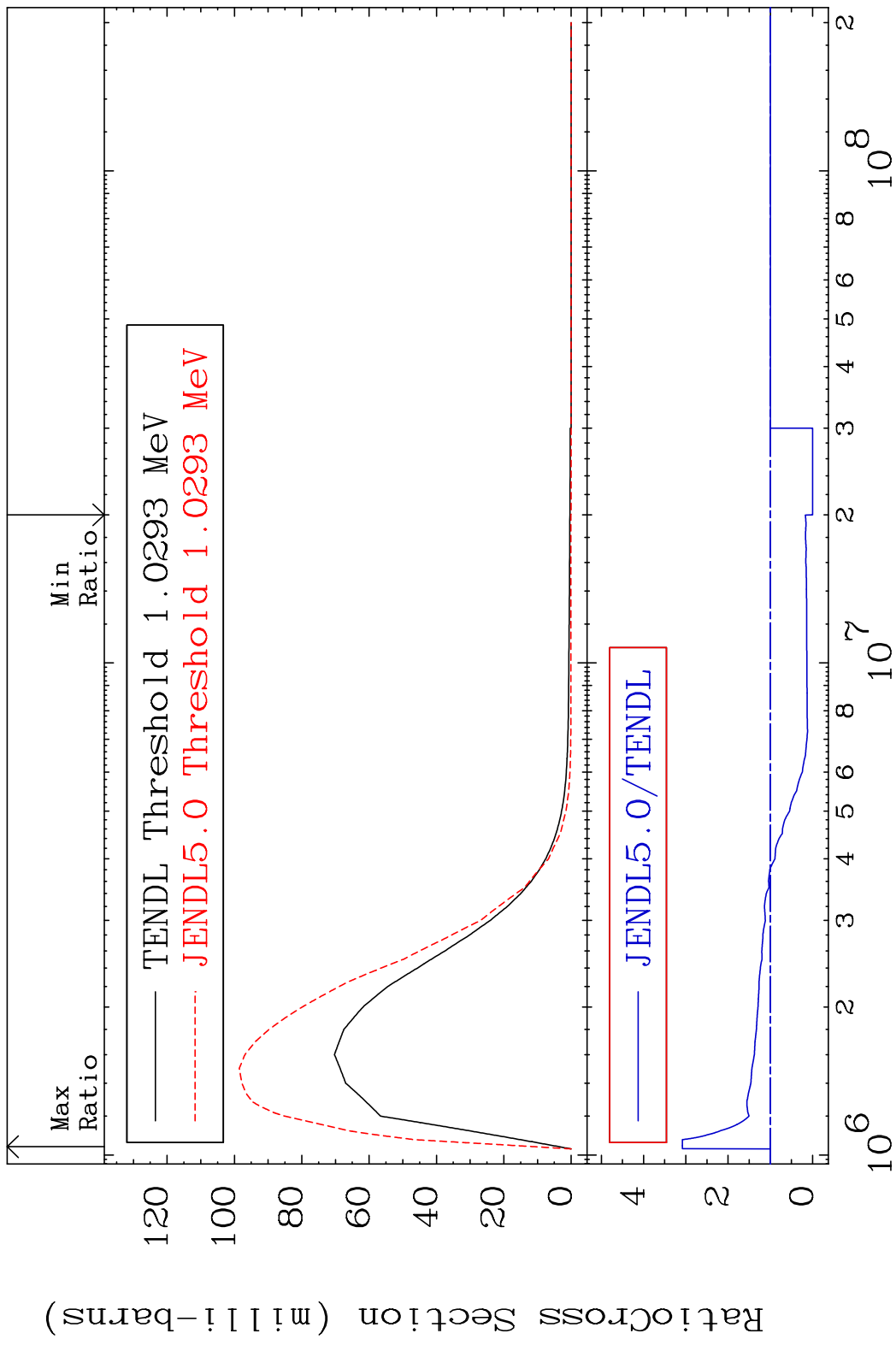
27 56-Ba-133

MAT 5634 MT= 67 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



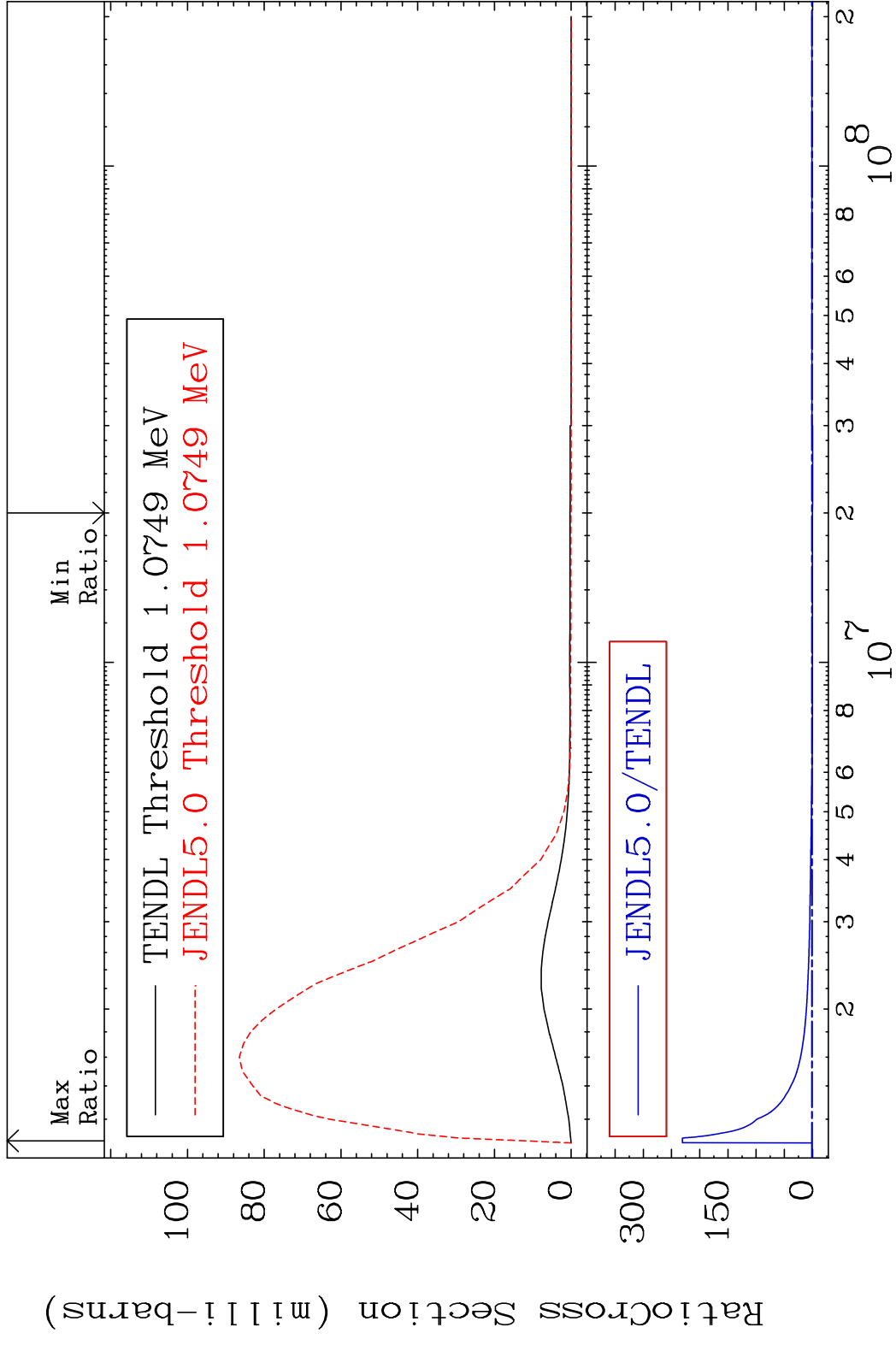
28 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 68 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 208.2 %

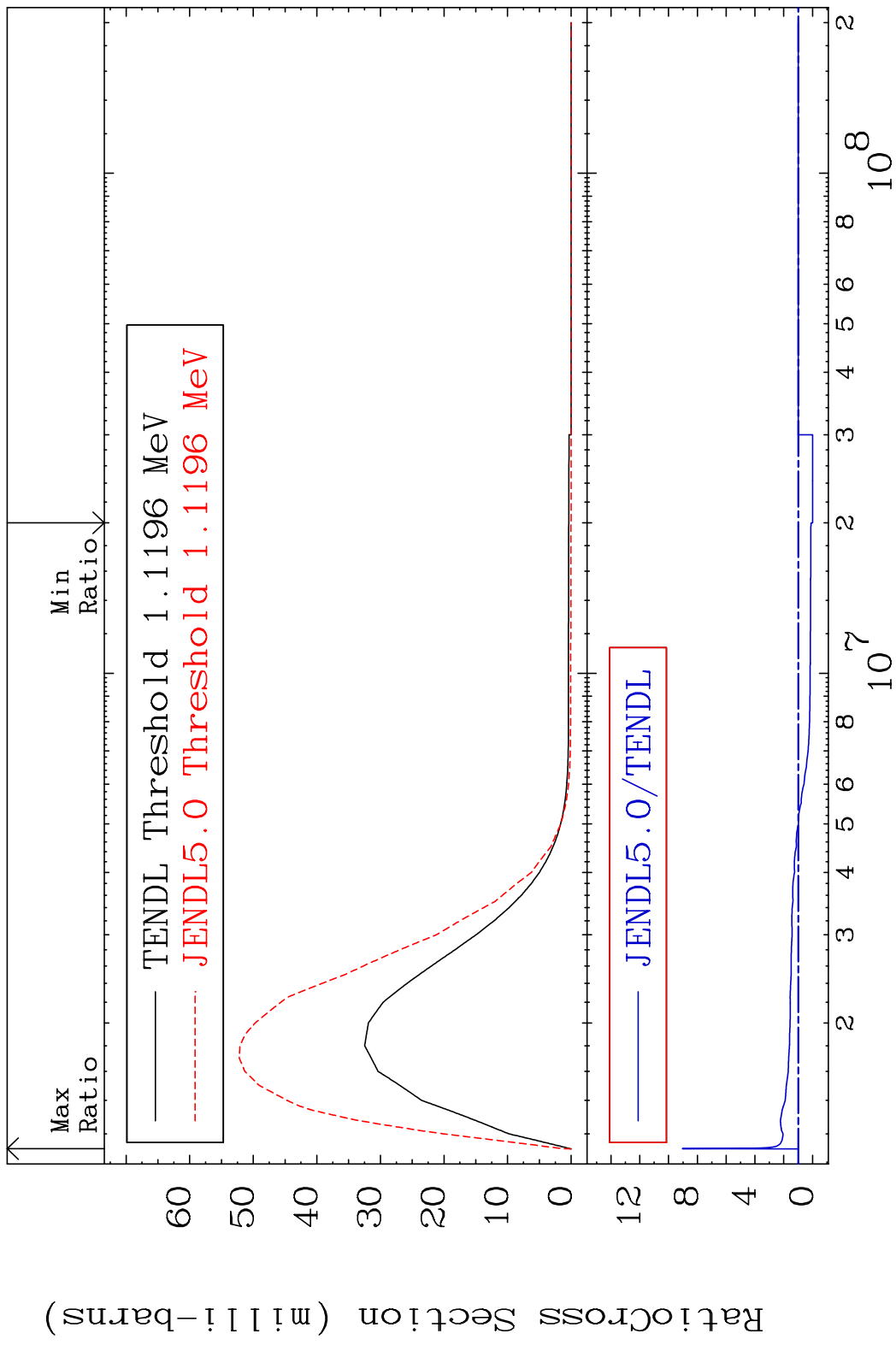


29 Incident Energy (eV) 56-Ba-133

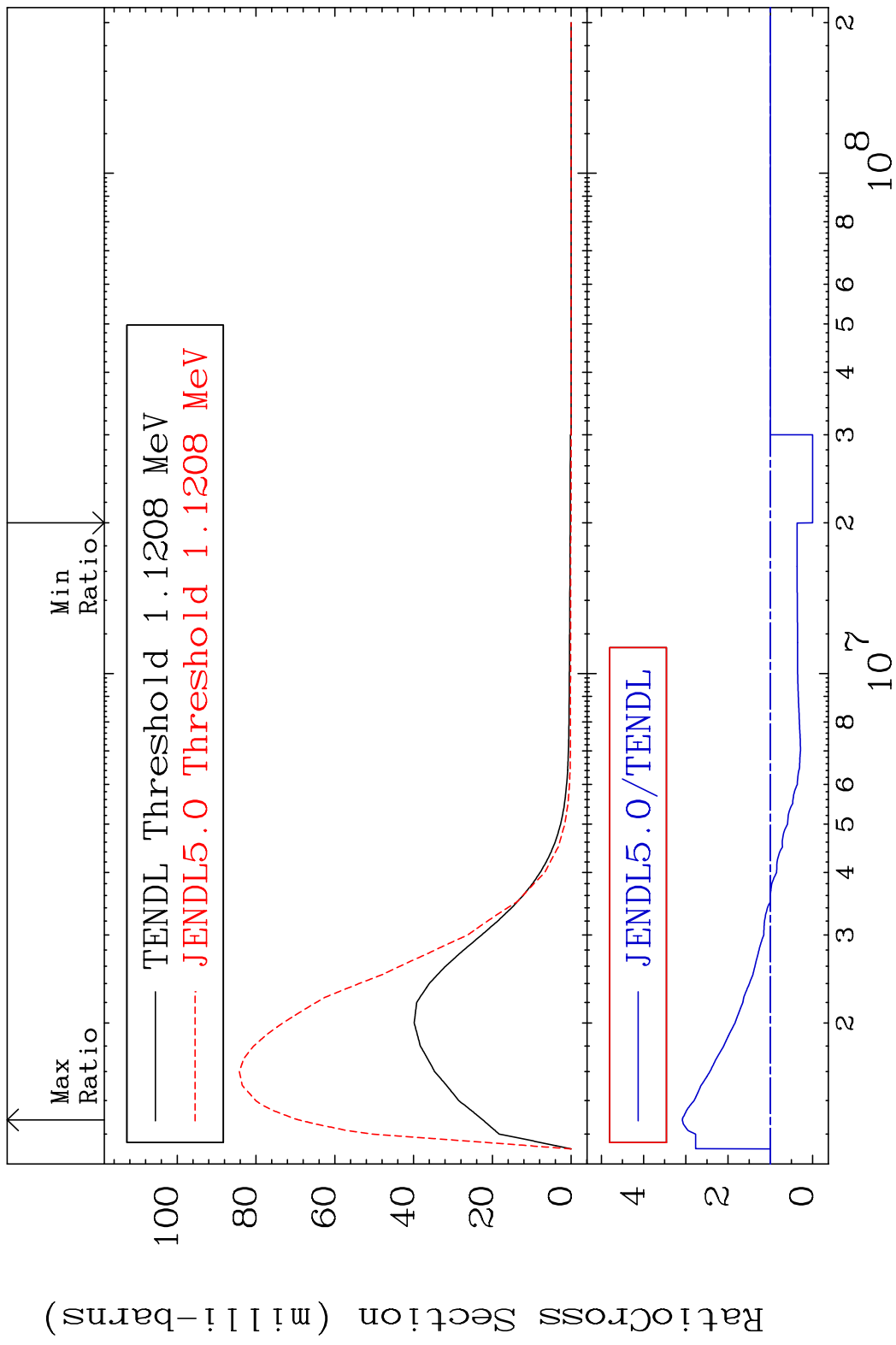
MAT 5634 MT= 69 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



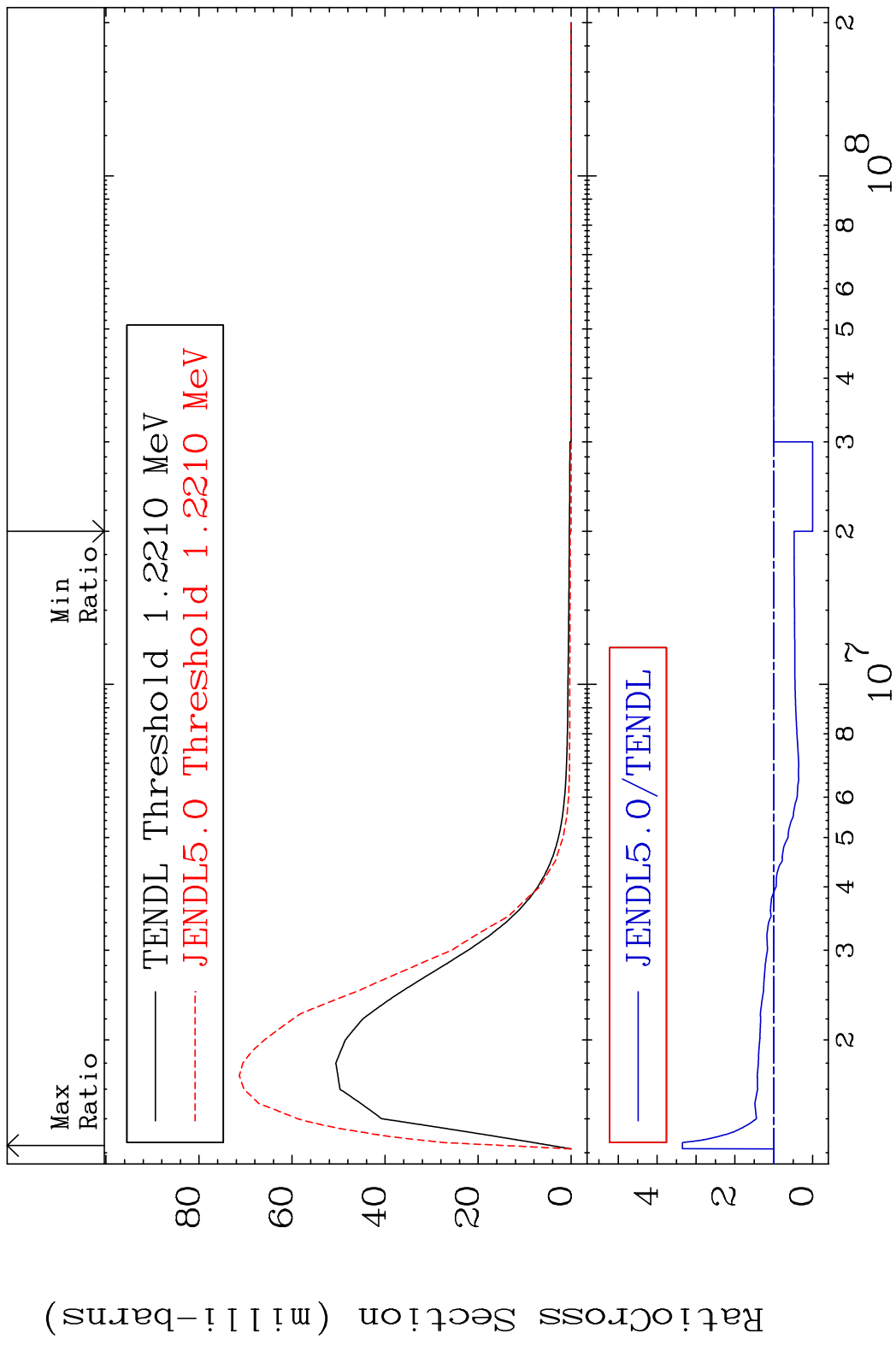
MAT 5634 MT= 70 (n,n') Level 56-Ba-133
 Cross Section -100.0 To 804.2 %



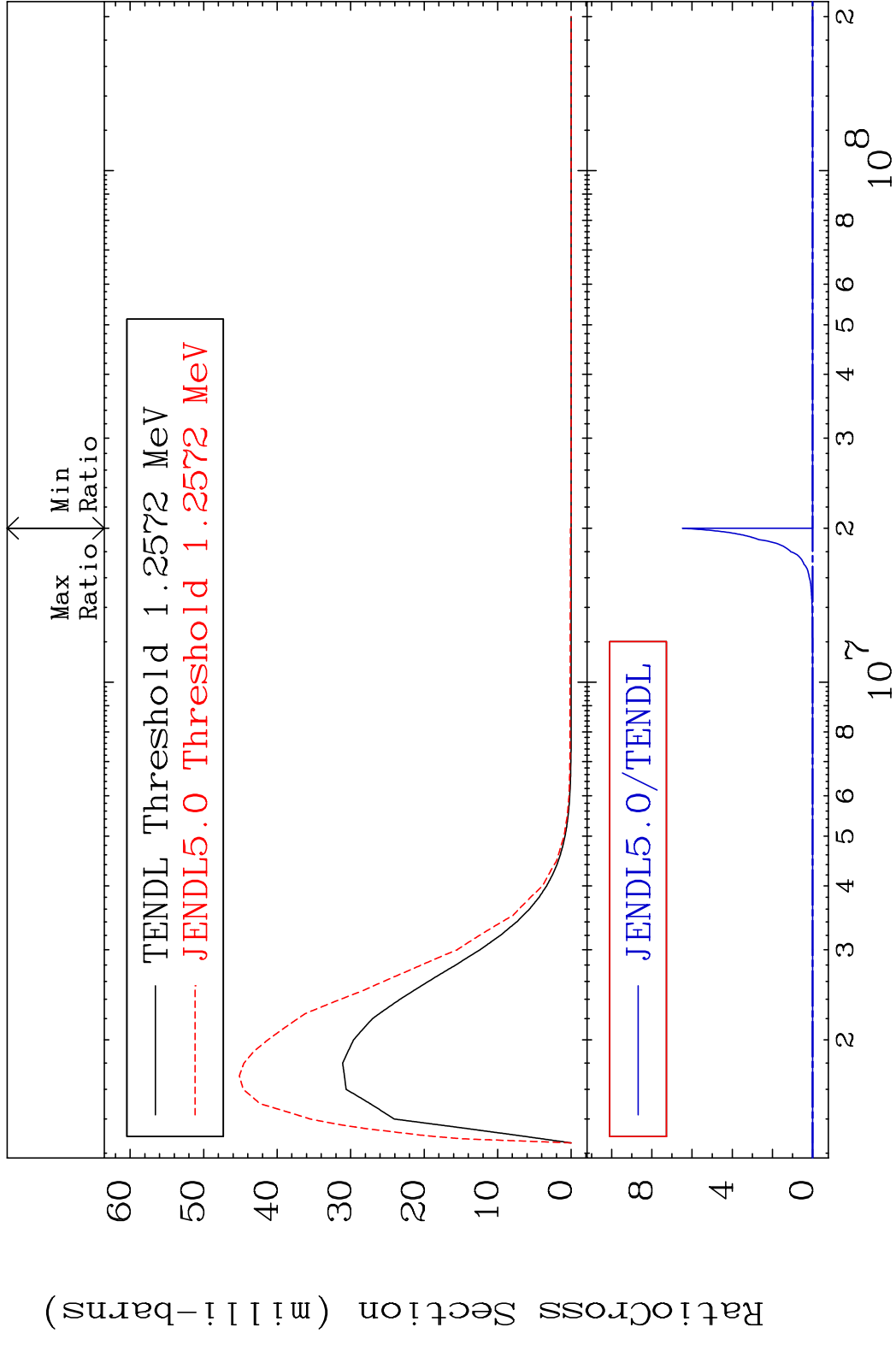
MAT 5634 MT= 71 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 208.2 %



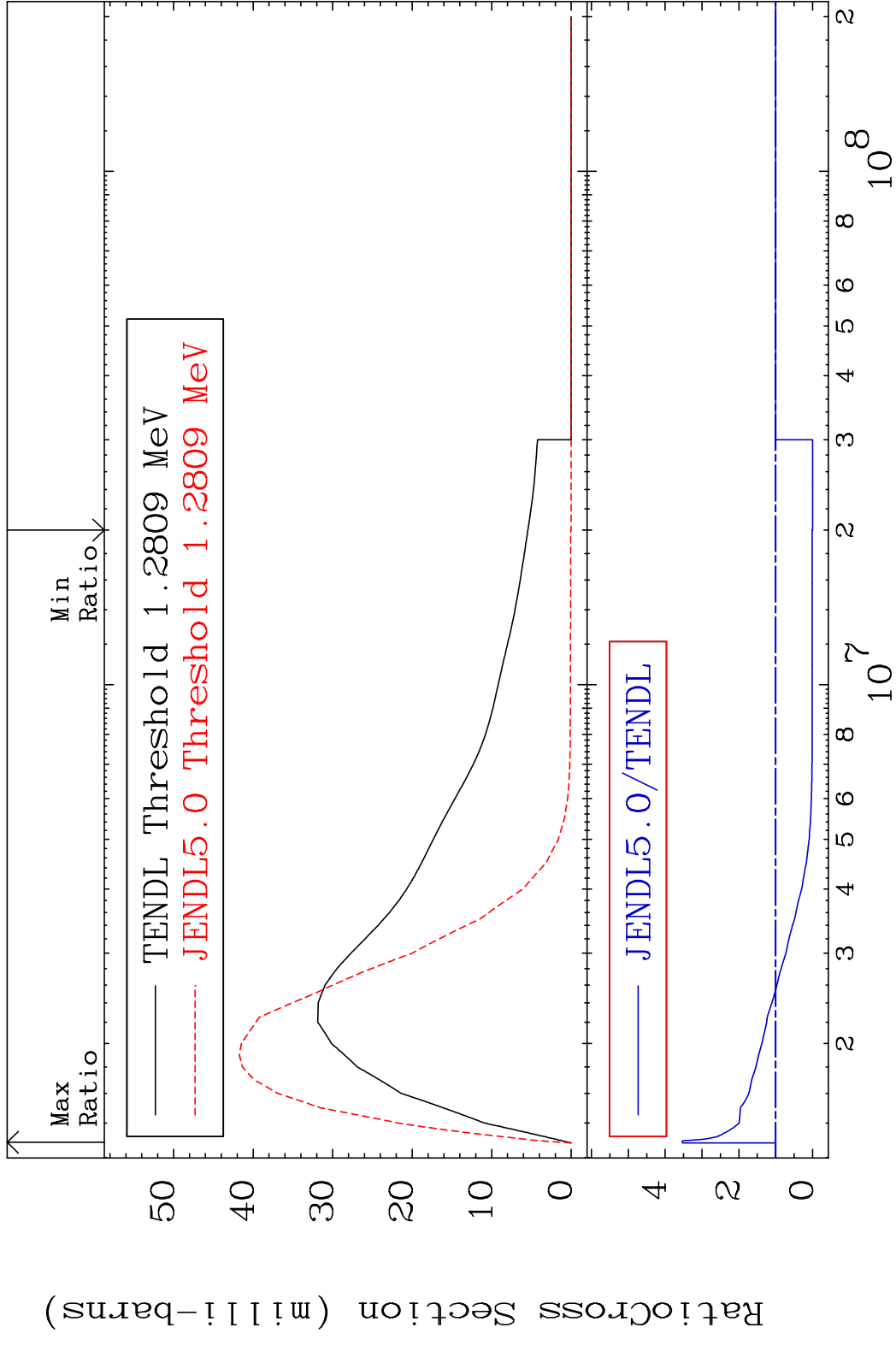
MAT 5634 MT= 72 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 235.1 %



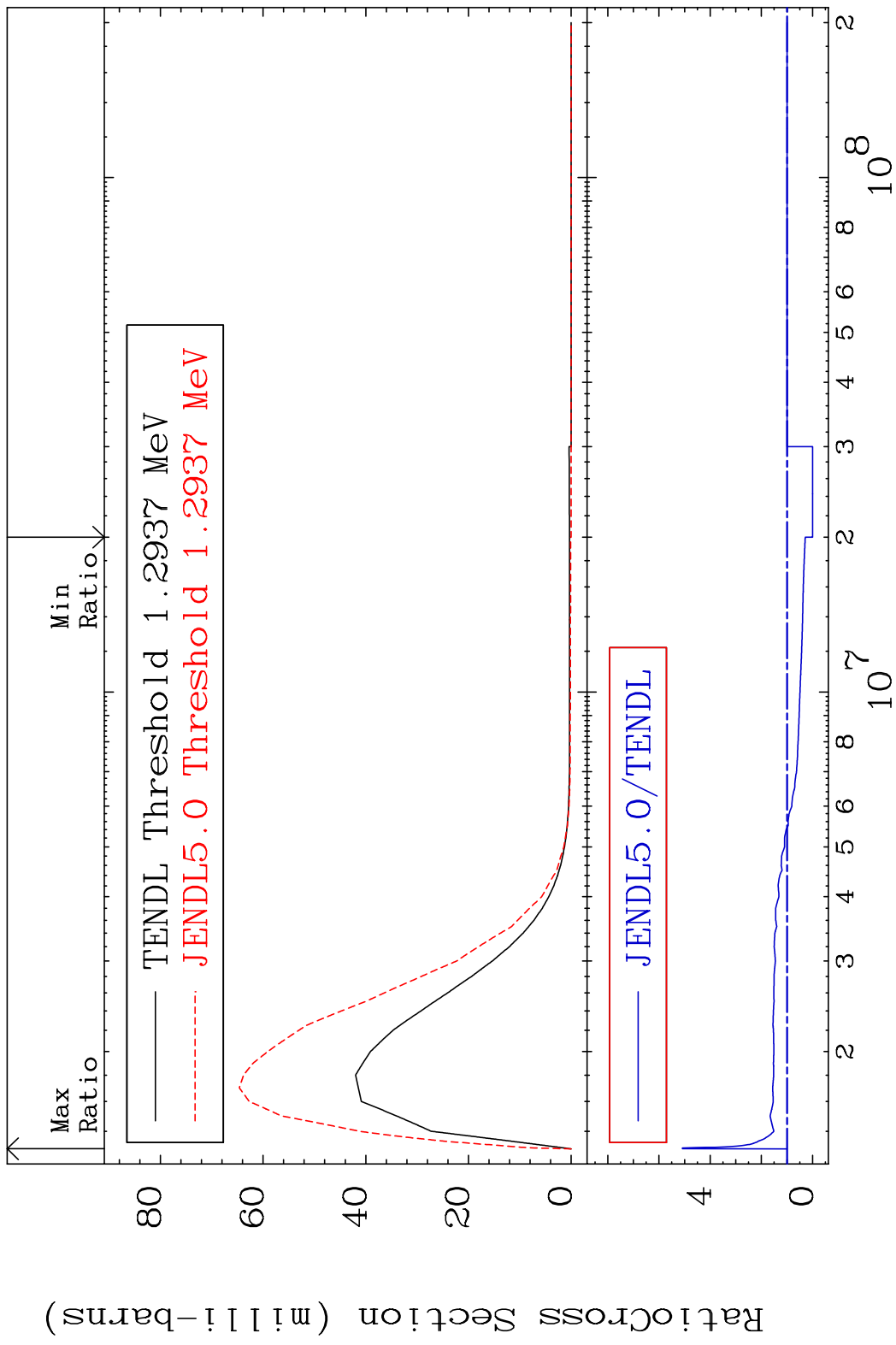
MAT 5634 MT= 73 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



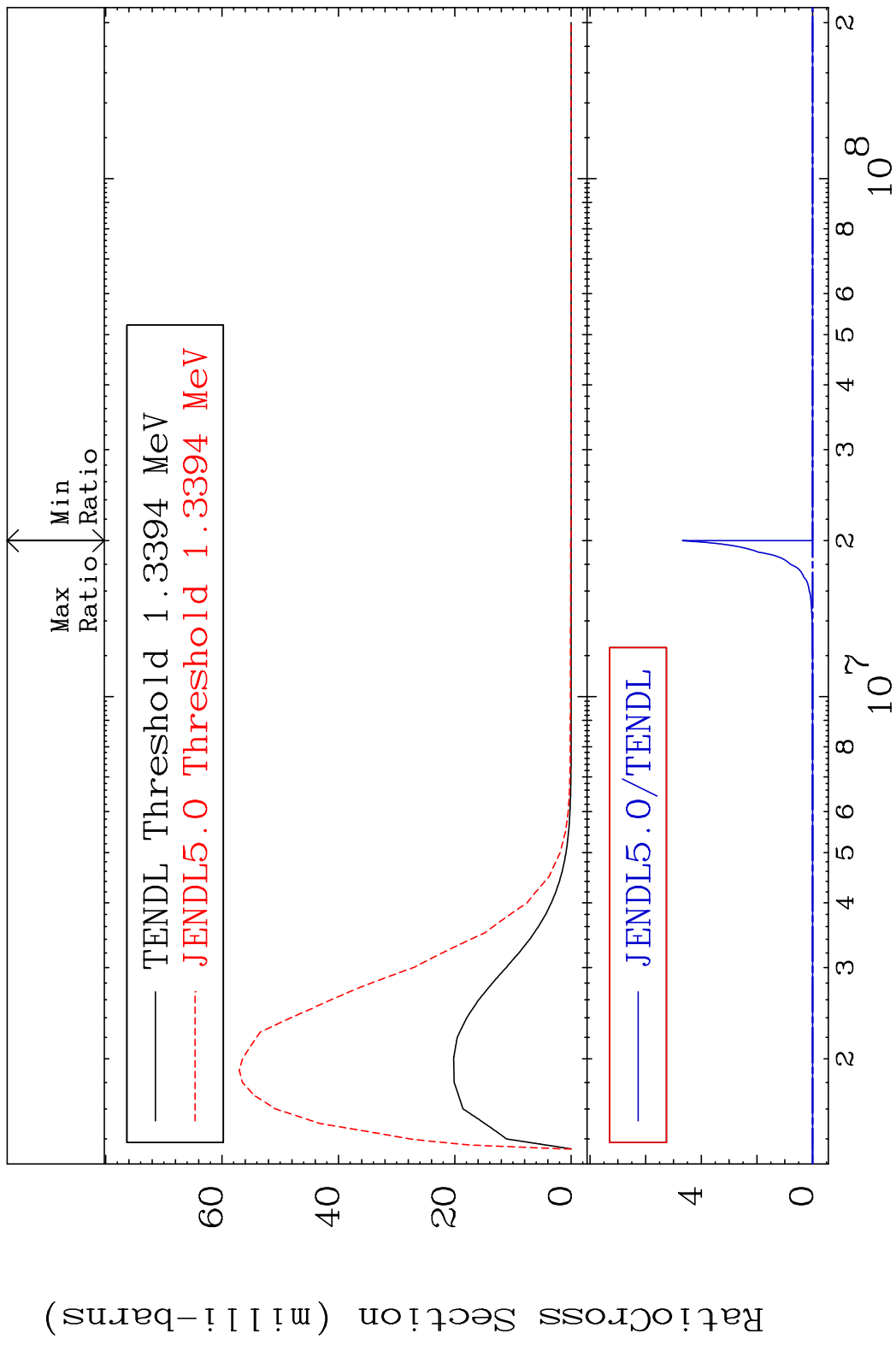
MAT 5634 MT= 74 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 253.3 %



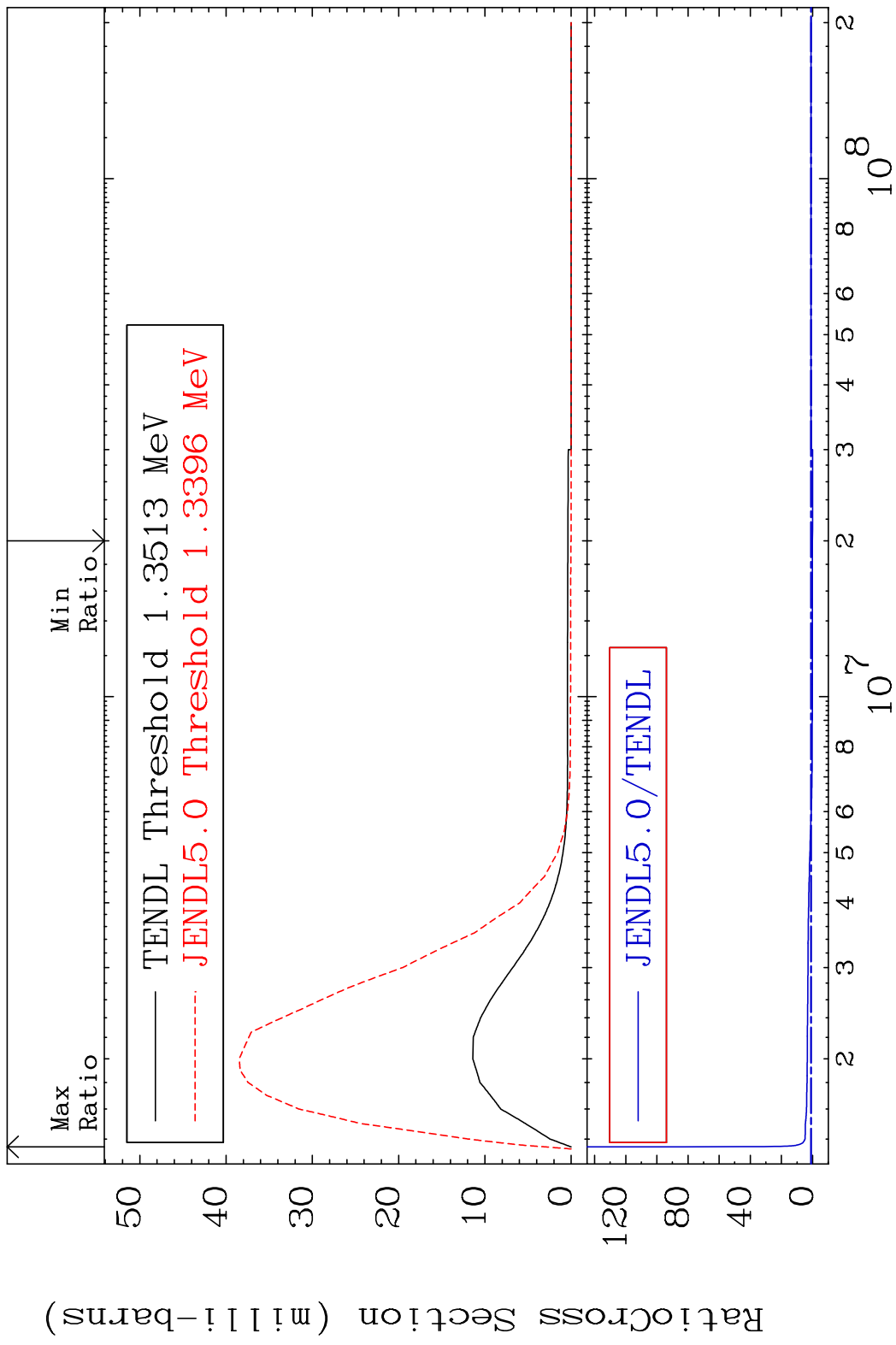
MAT 5634 MT= 75 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 408.7 %



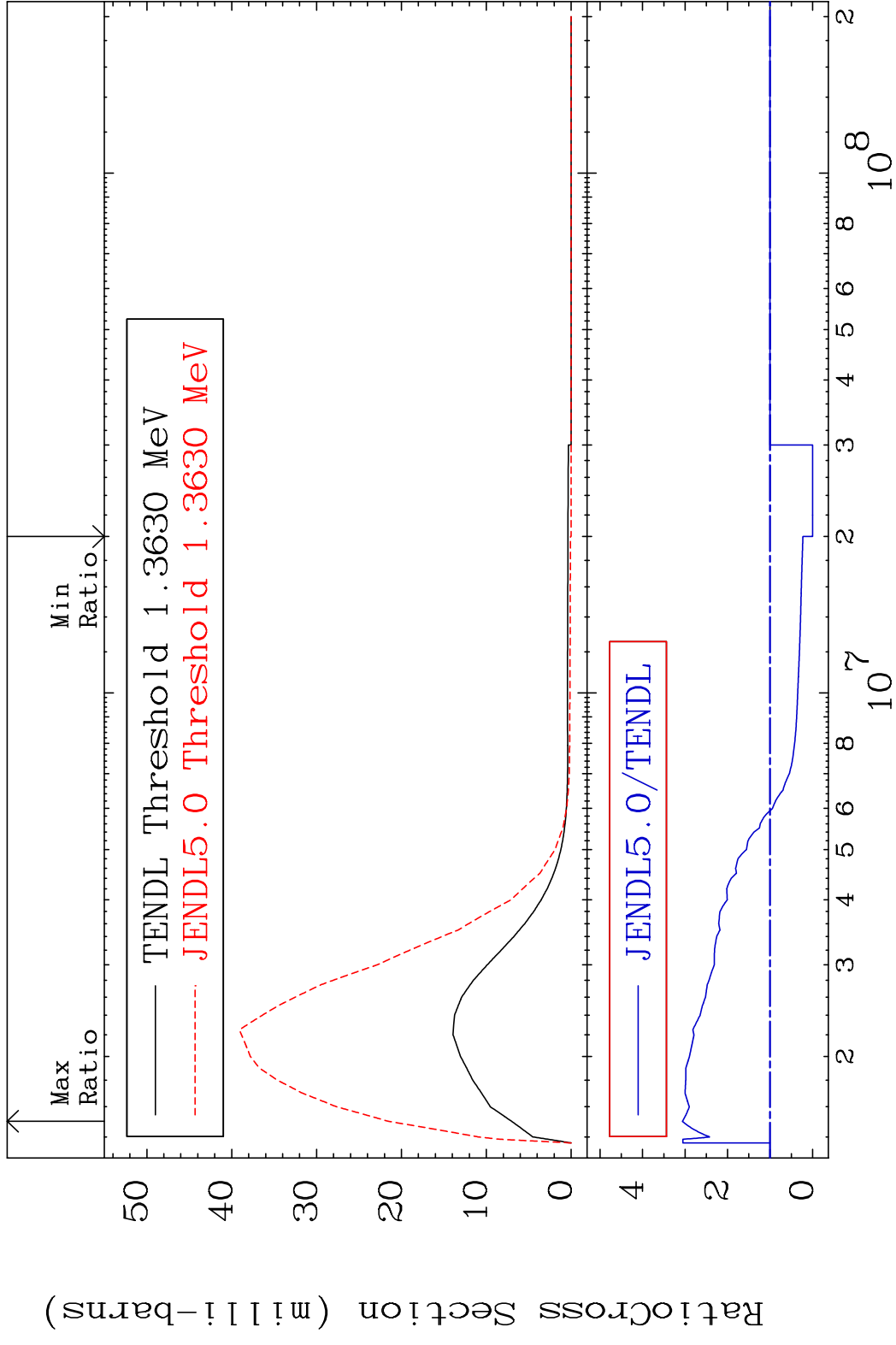
MAT 5634 MT= 76 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 9999. %



MAT 5634 MT= 77 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 8263. %



MAT 5634 MT= 78 (n, n') Level 56-Ba-133
 Cross Section -100.0 To 206.4 %

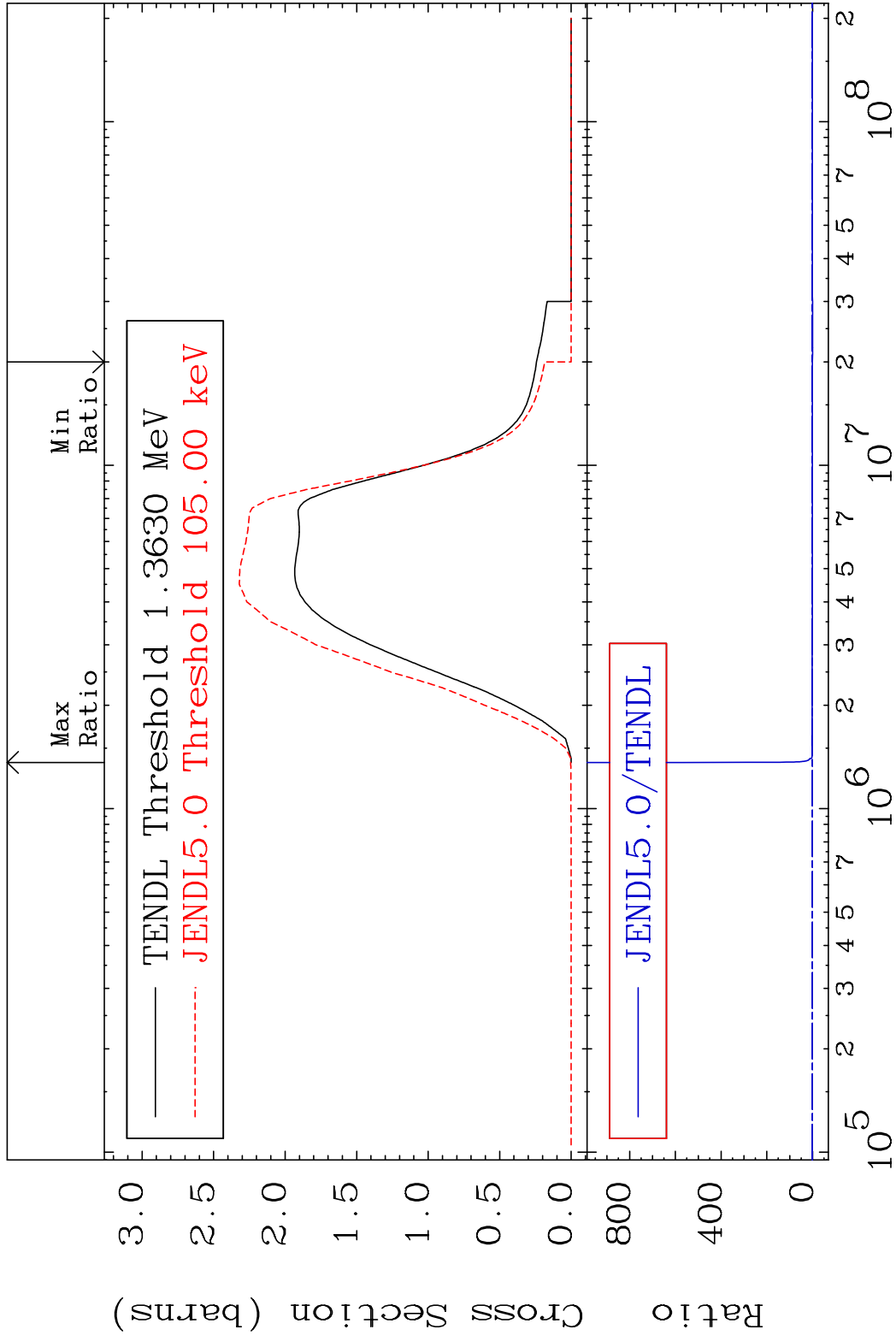


MAT 5634

(n, n') Continuum

56-Ba-133

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

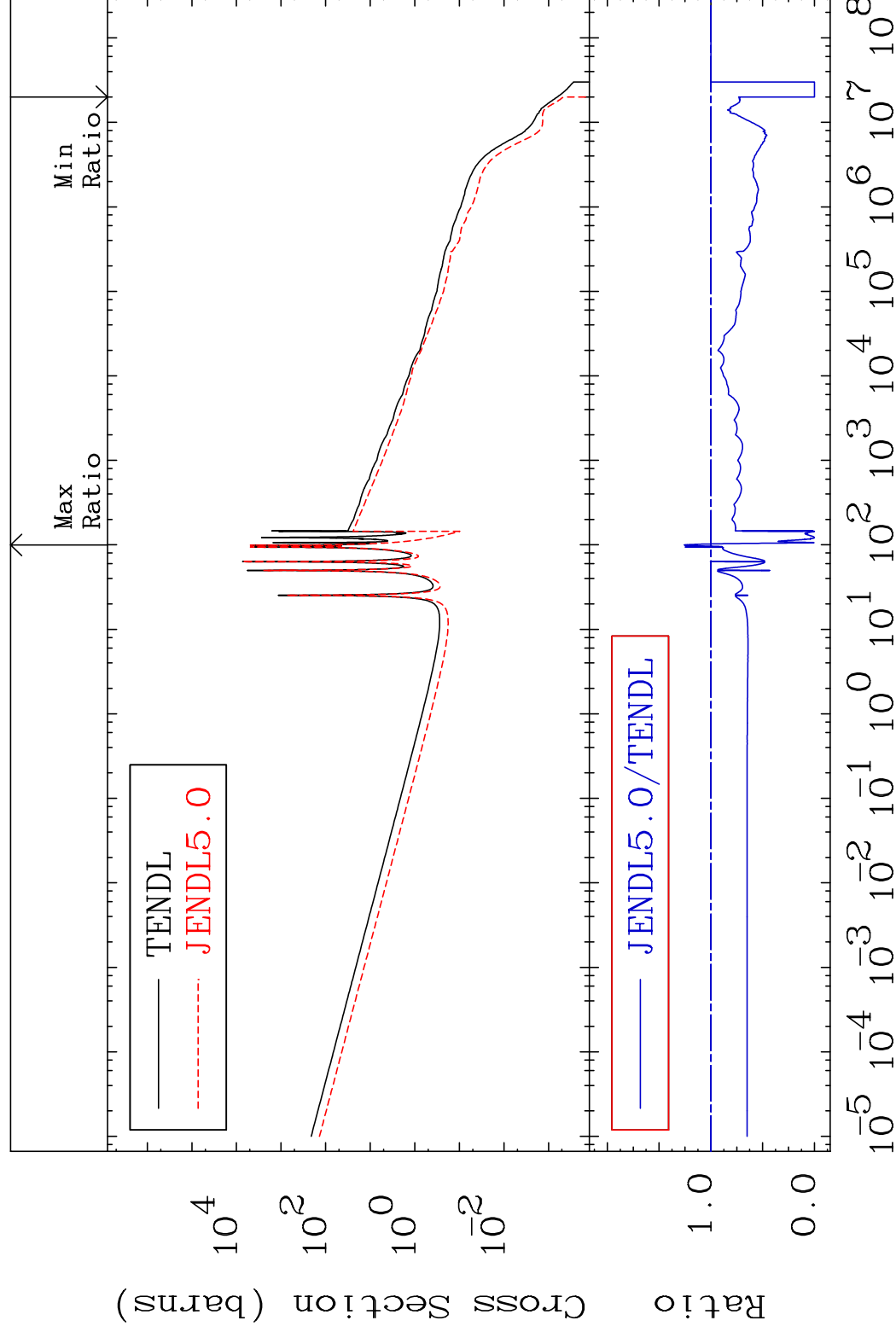
56-Ba-133

MAT 5634

(n, γ)

56-Ba-133

Cross Section -100.0 To 25.48 %



41

Incident Energy (eV)

56-Ba-133

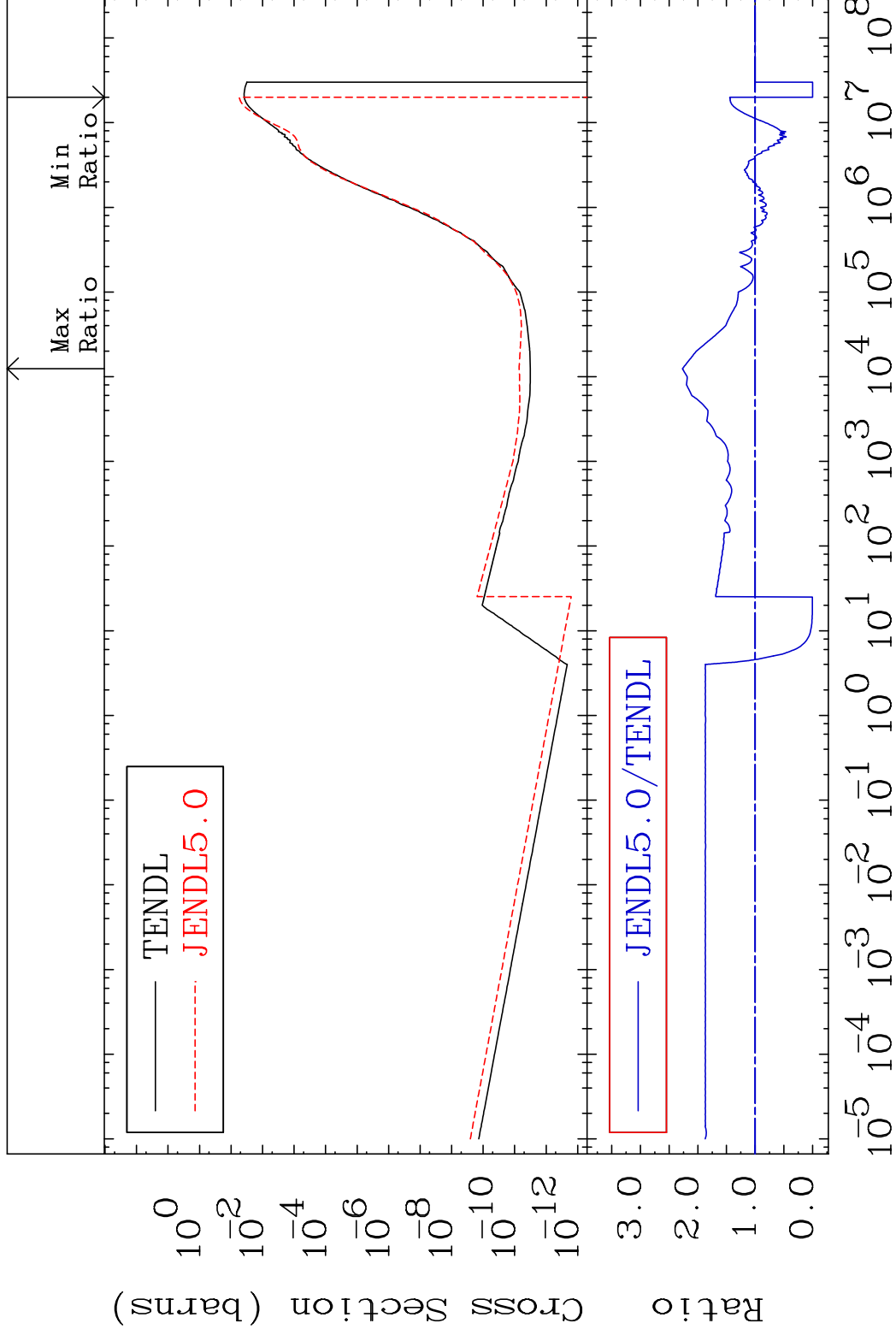
MAT 5634

(n, p)

56-Ba-133

Cross Section

-100.0 To 127.0 %



42

Incident Energy (eV)

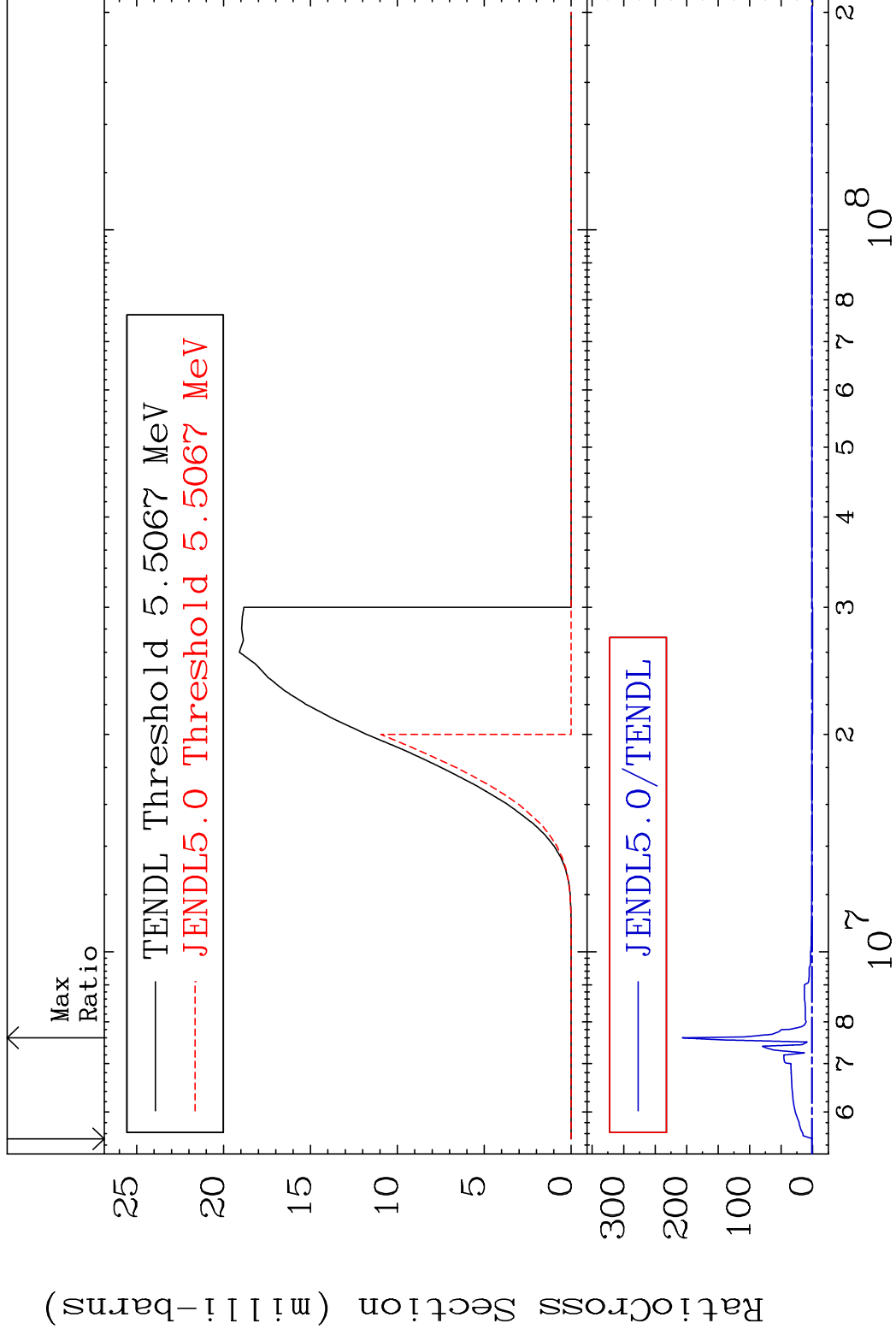
56-Ba-133

MAT 5634

(n,d)

56-Ba-133

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

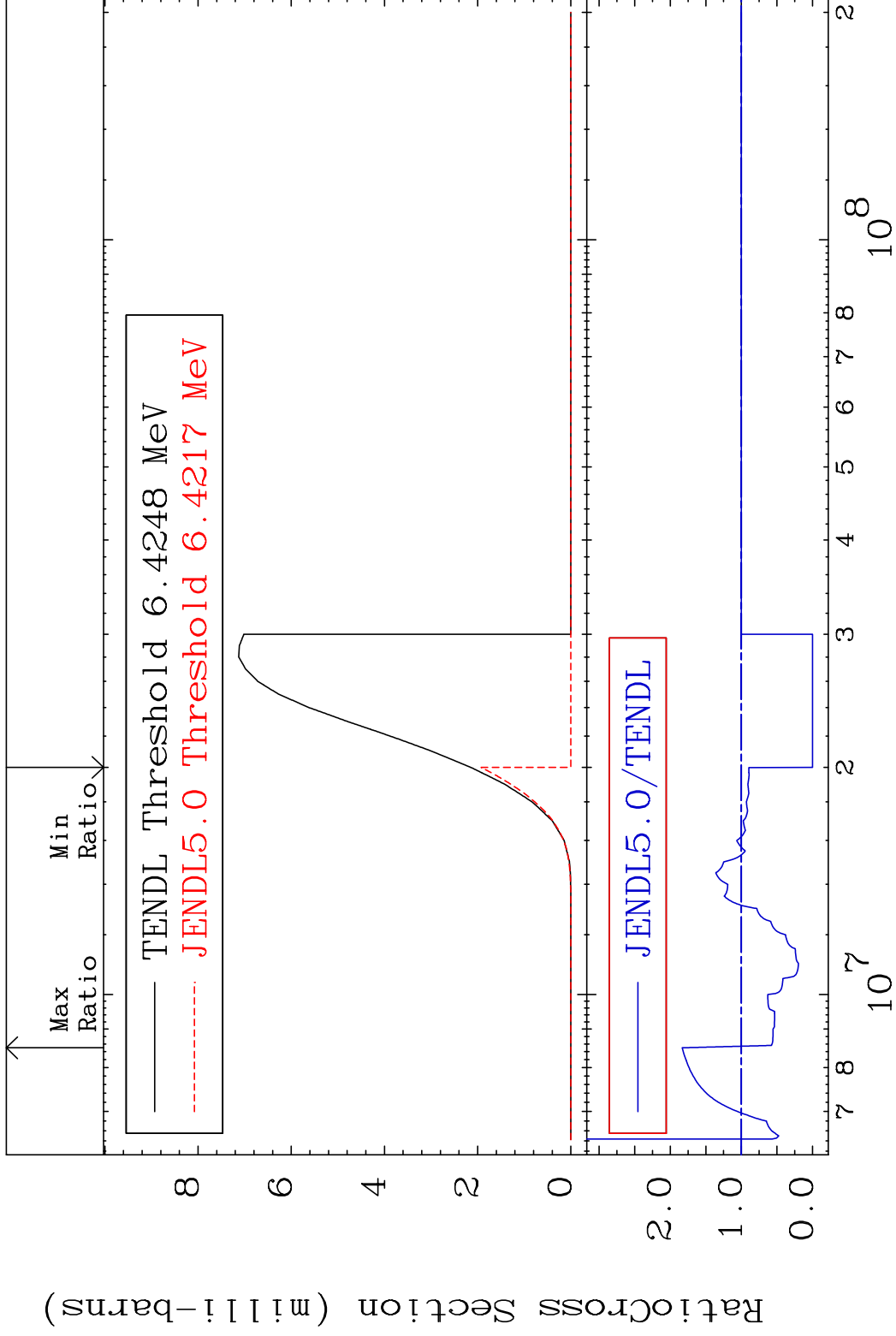
56-Ba-133

MAT 5634

(n, t)

56-Ba-133

Cross Section -100.0 To 83.28 %



44

Incident Energy (eV)

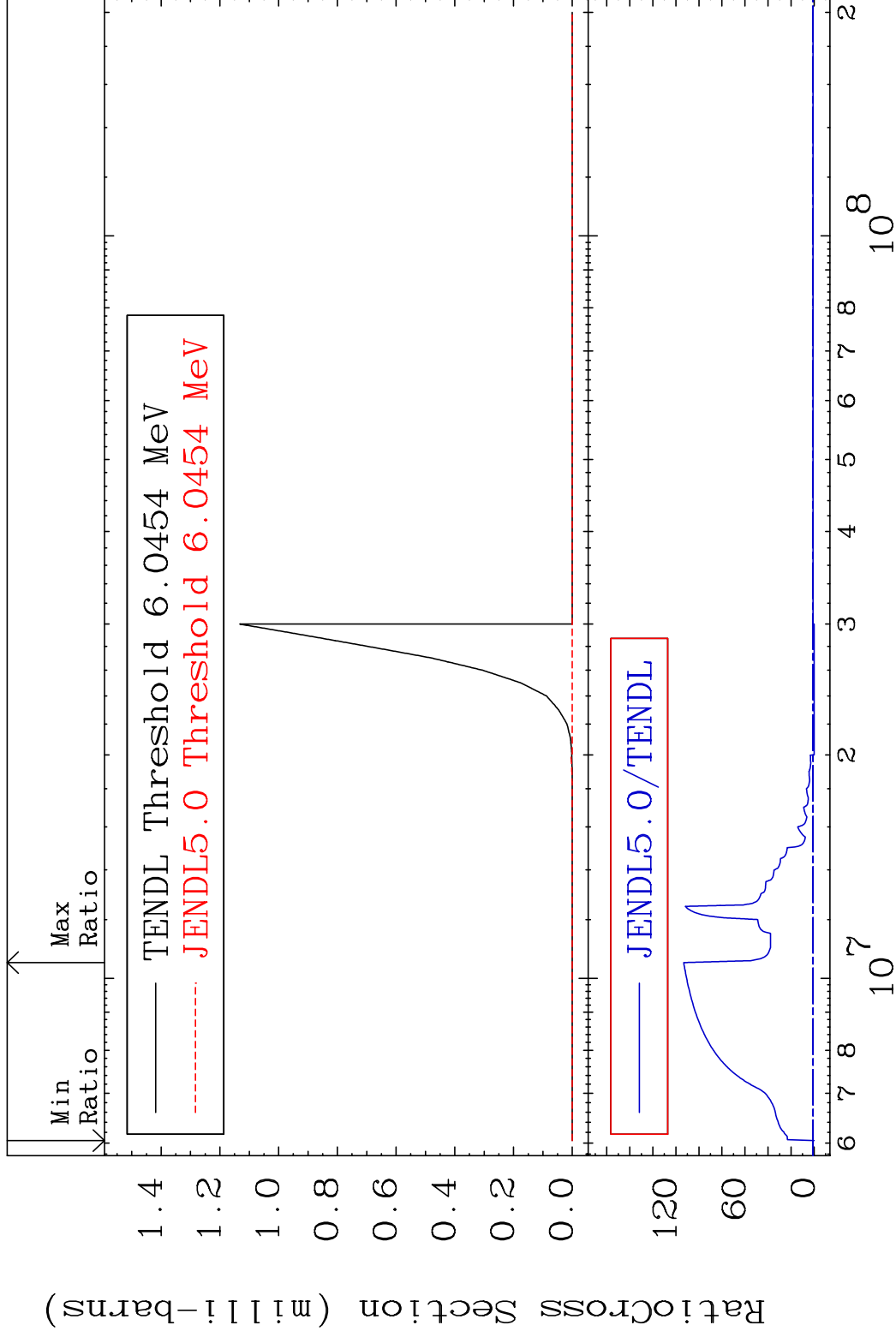
56-Ba-133

MAT 5634

(n, He-3)

56-Ba-133

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

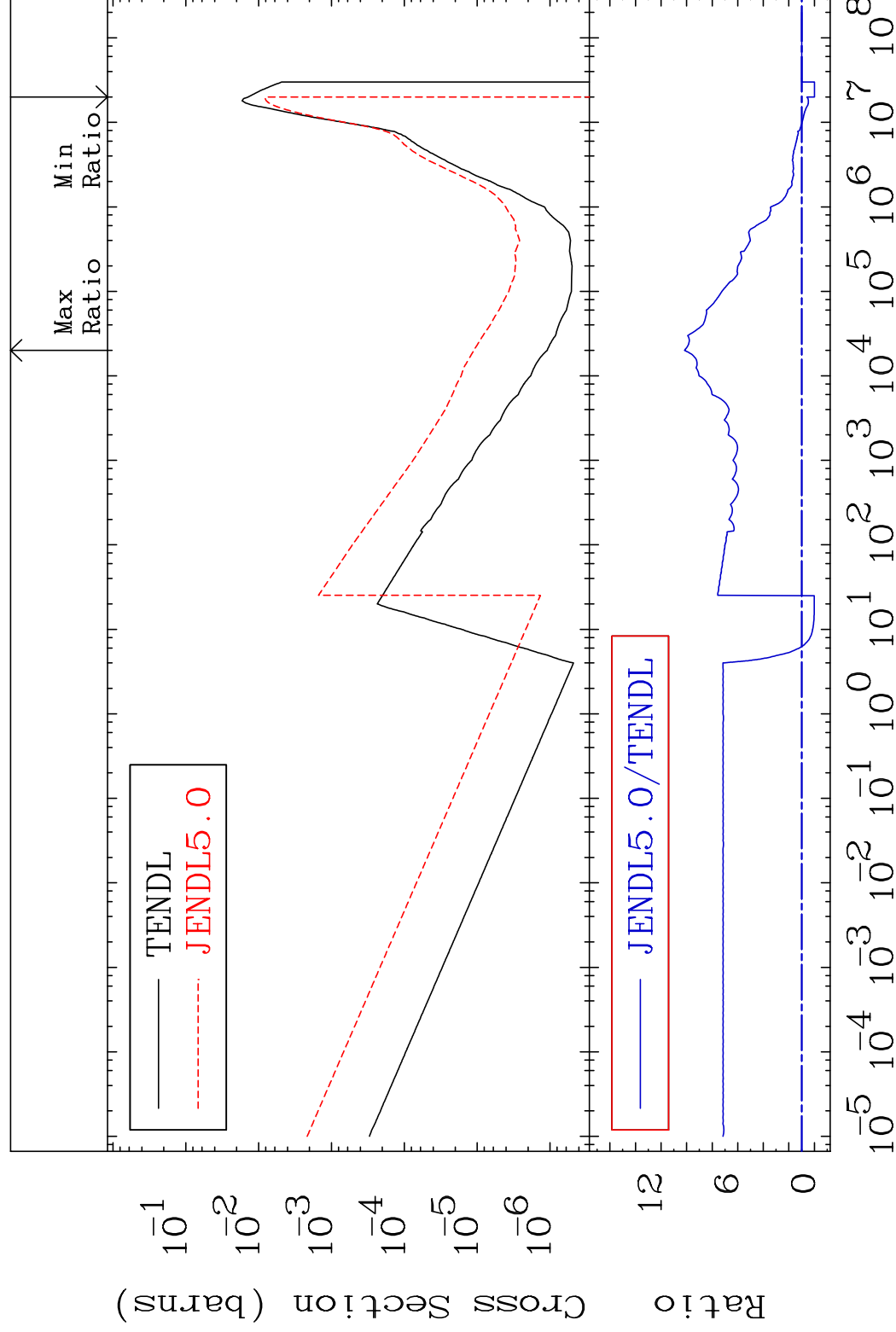
56-Ba-133

MAT 5634

(n, α)

56-Ba-133

Cross Section -100.0 To 916.7 %

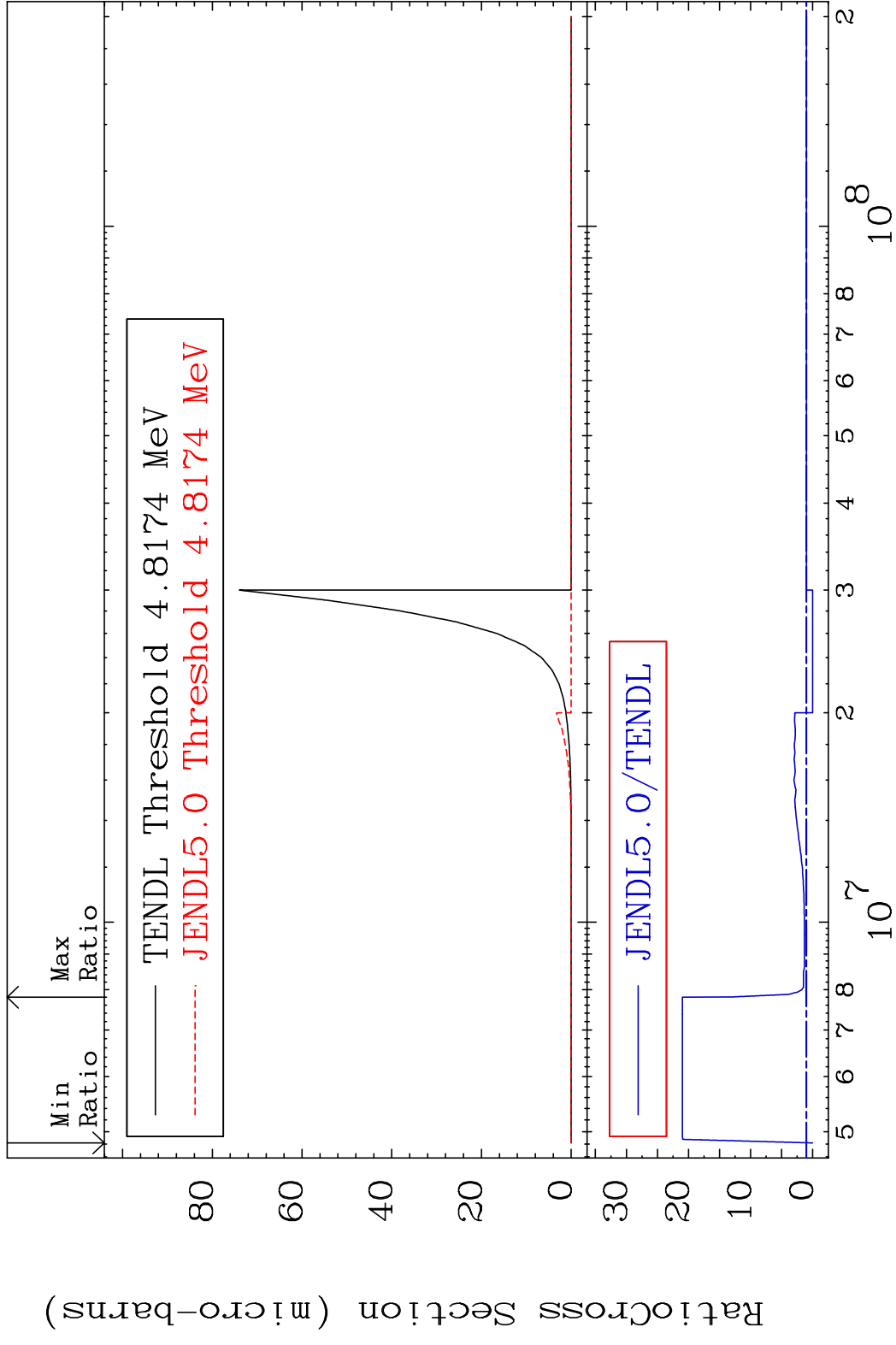


46

Incident Energy (eV)

56-Ba-133

MAT 5634 (n,2p) 56-Ba-133
 Cross Section -100.0 To 1998. %

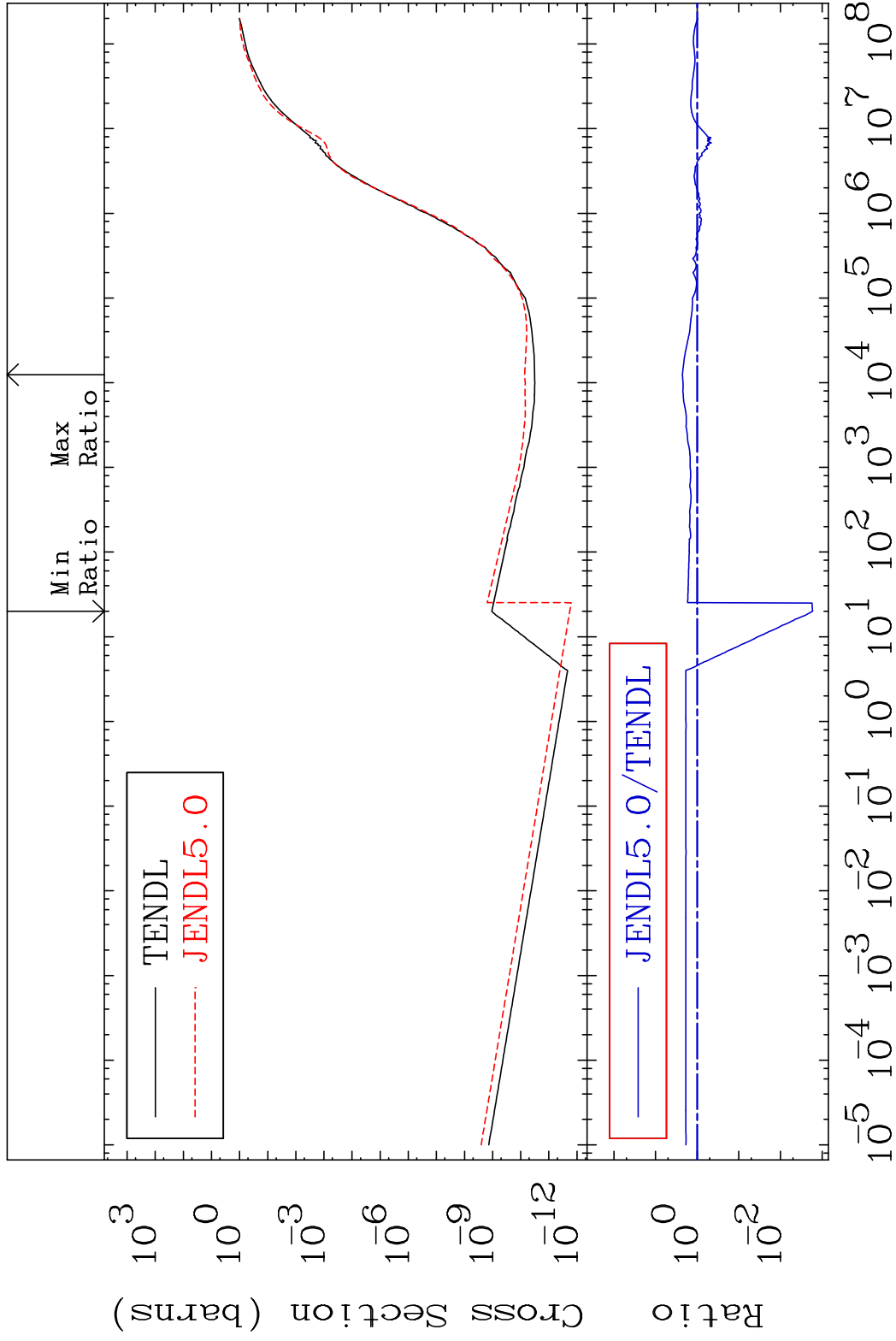


MAT 5634

Hydrogen Production

56-Ba-133

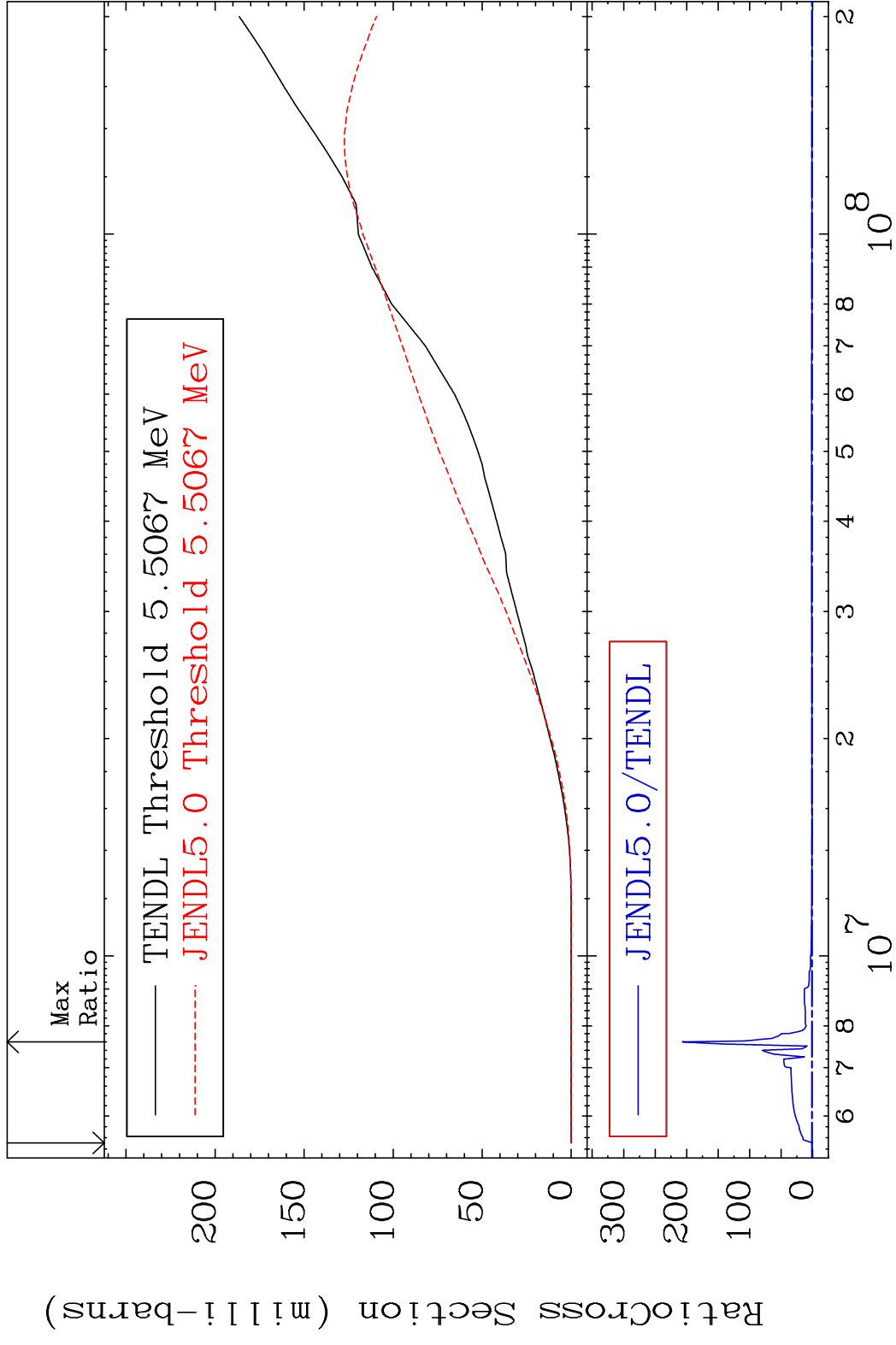
Cross Section -99.83 To 127.0 %



MAT 5634

Deuterium Production 56-Ba-133

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

56-Ba-133

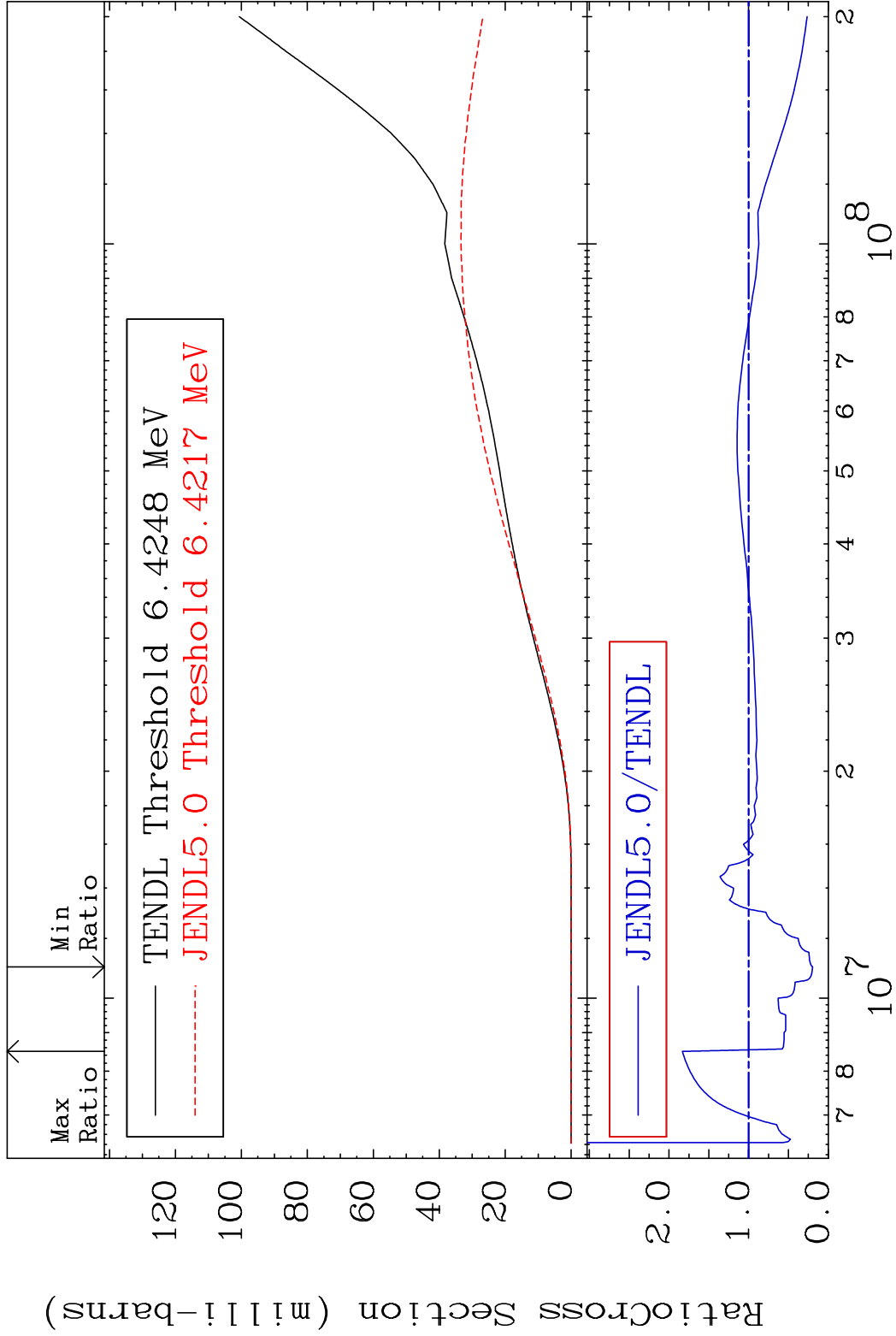
MAT 5634

Tritium Production

56-Ba-133

Cross Section

-80.31 To 83.28 %



50

Incident Energy (eV)

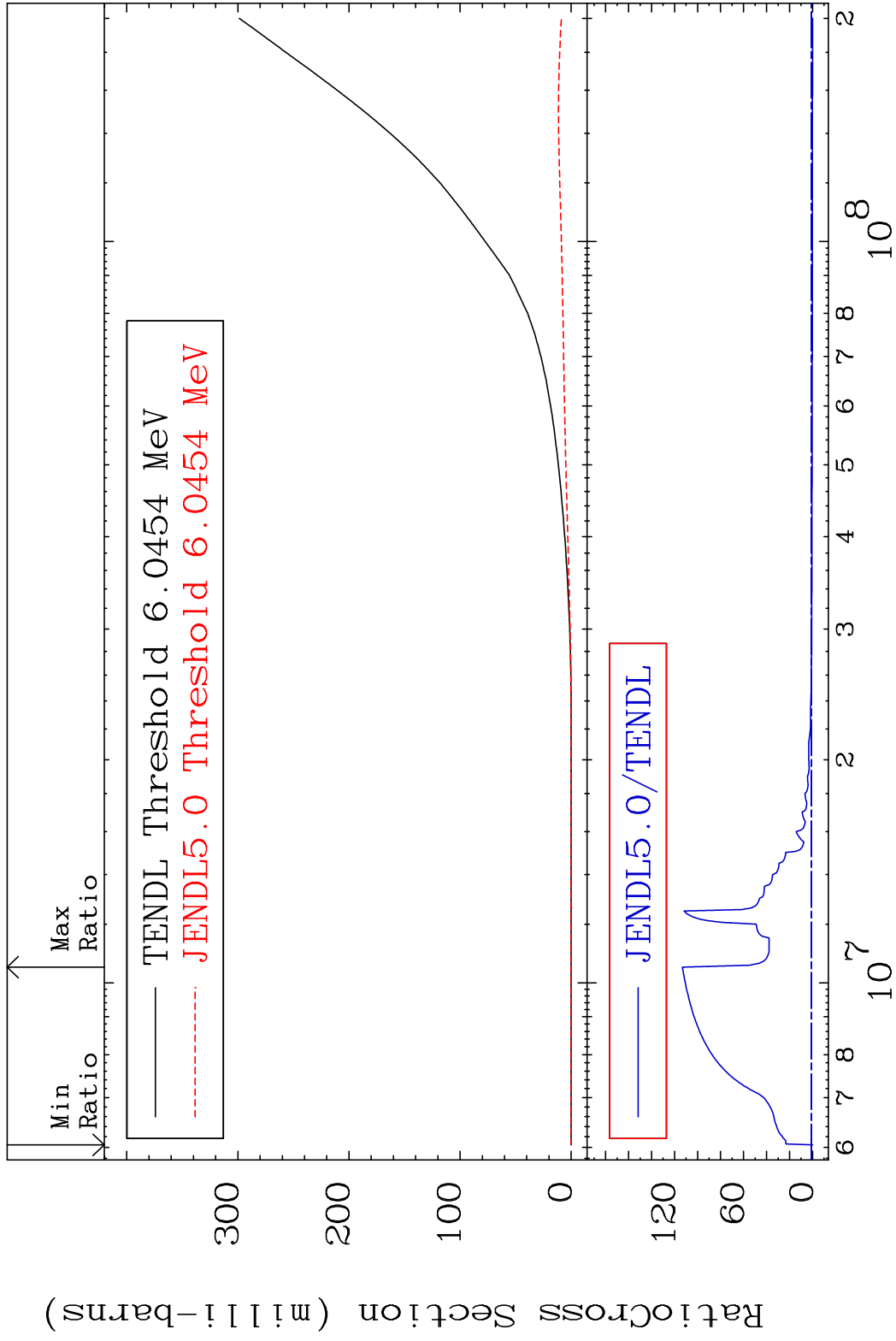
56-Ba-133

MAT 5634

He-3 Production

56-Ba-133

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

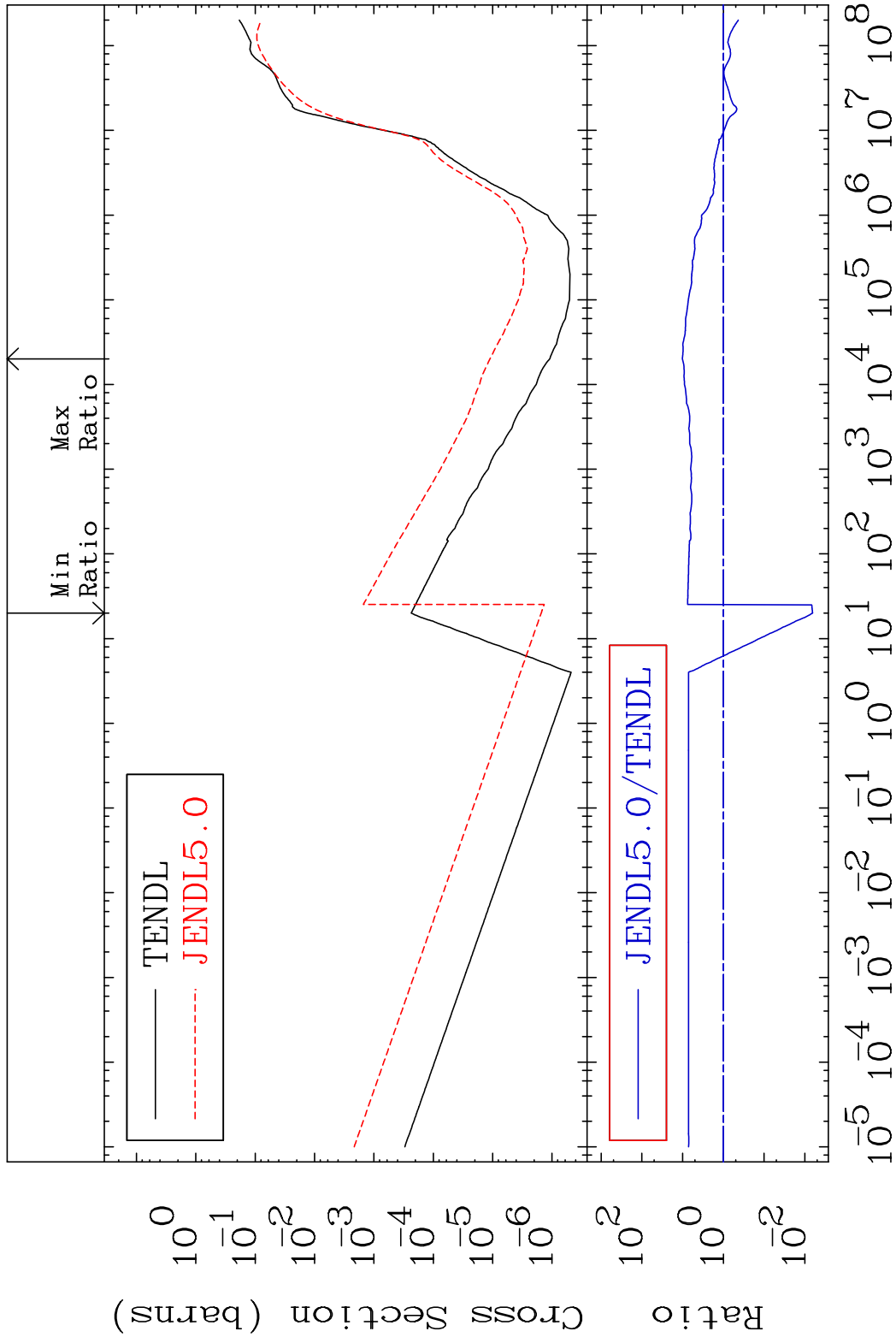
56-Ba-133

MAT 5634

He-4 Production

56-Ba-133

Cross Section -99.35 To 916.7 %

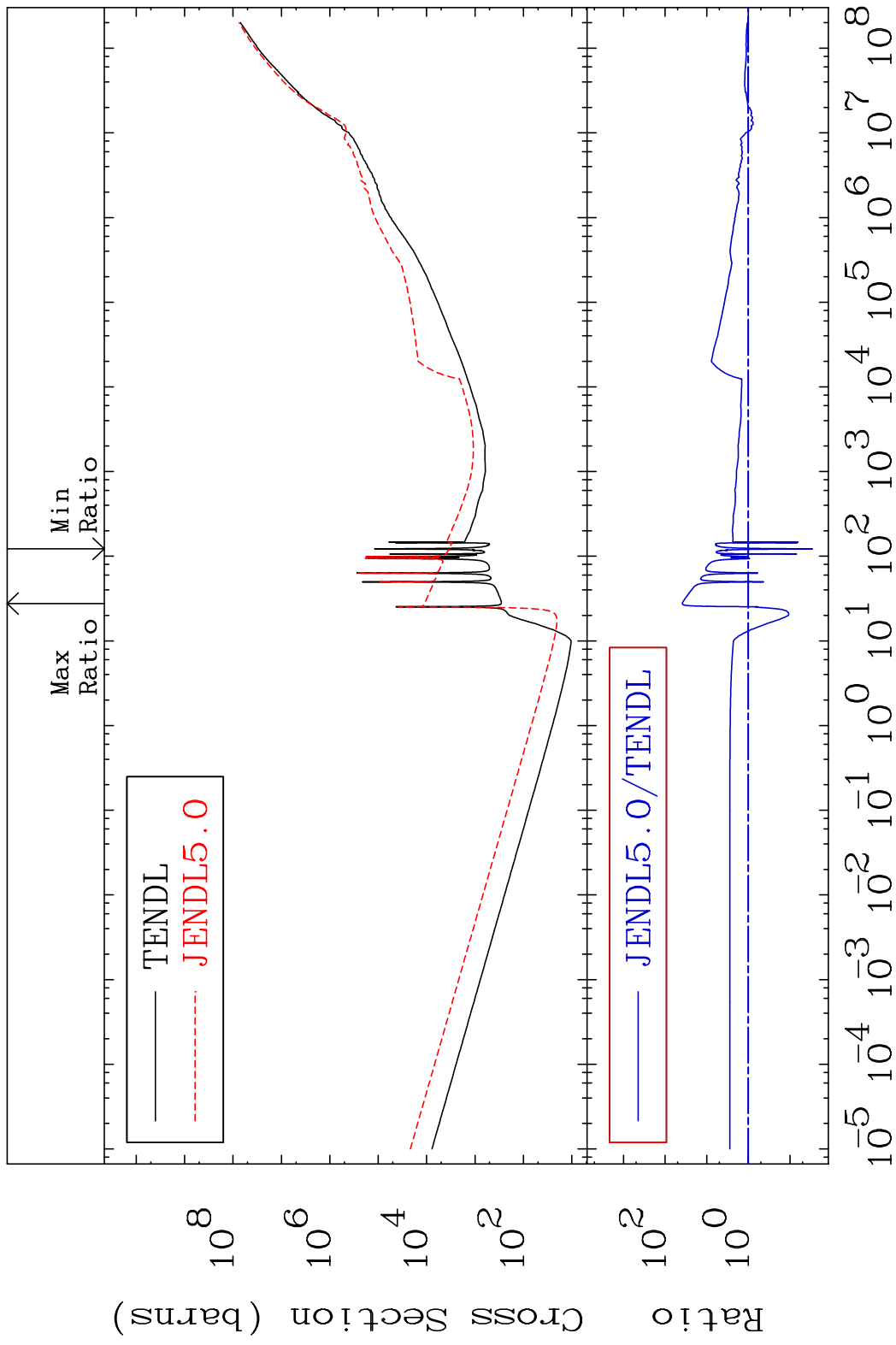


52

Incident Energy (eV)

56-Ba-133

MAT 5634 Kerma total (eV-barns) 56-Ba-133
 Cross Section -97.13 To 3749. %

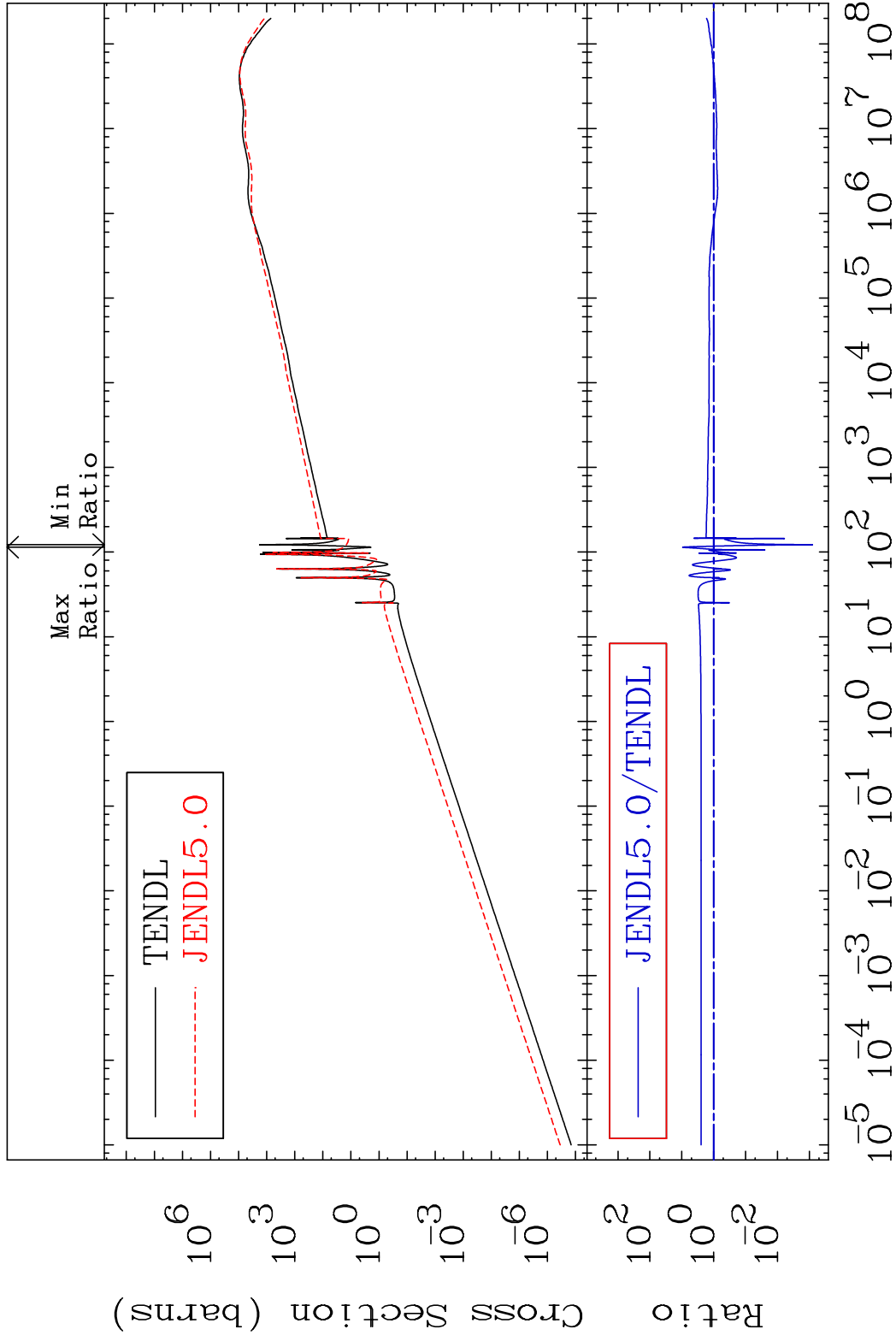


MAT 5634

Kerma elastic

56-Ba-133

Cross Section -99.92 To 860.3 %

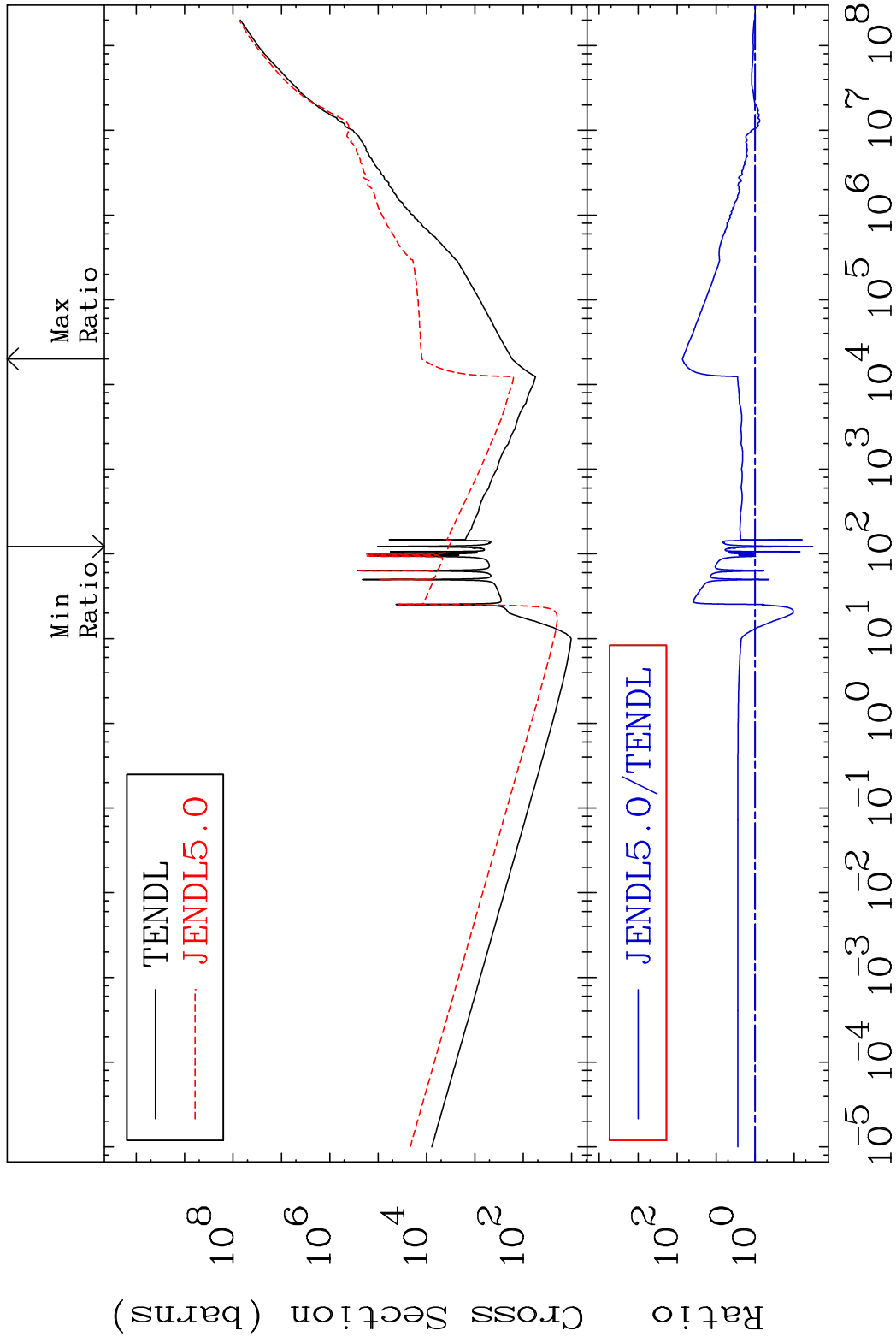


54

Incident Energy (eV)

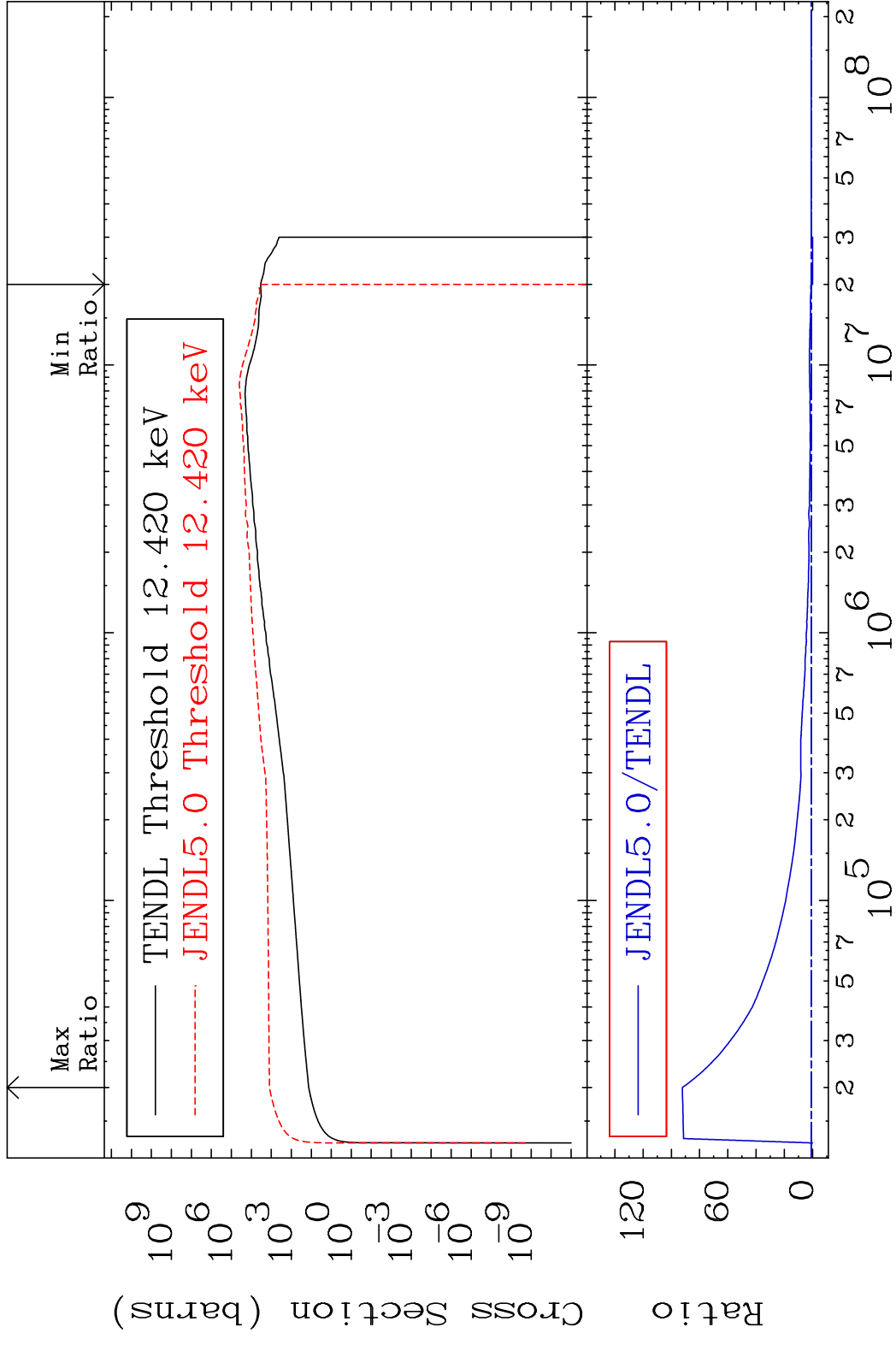
56-Ba-133

MAT 5634 Kerma non-elastic (all but mt2) 56-Ba-133
 Cross Section -96.63 To 7271. %

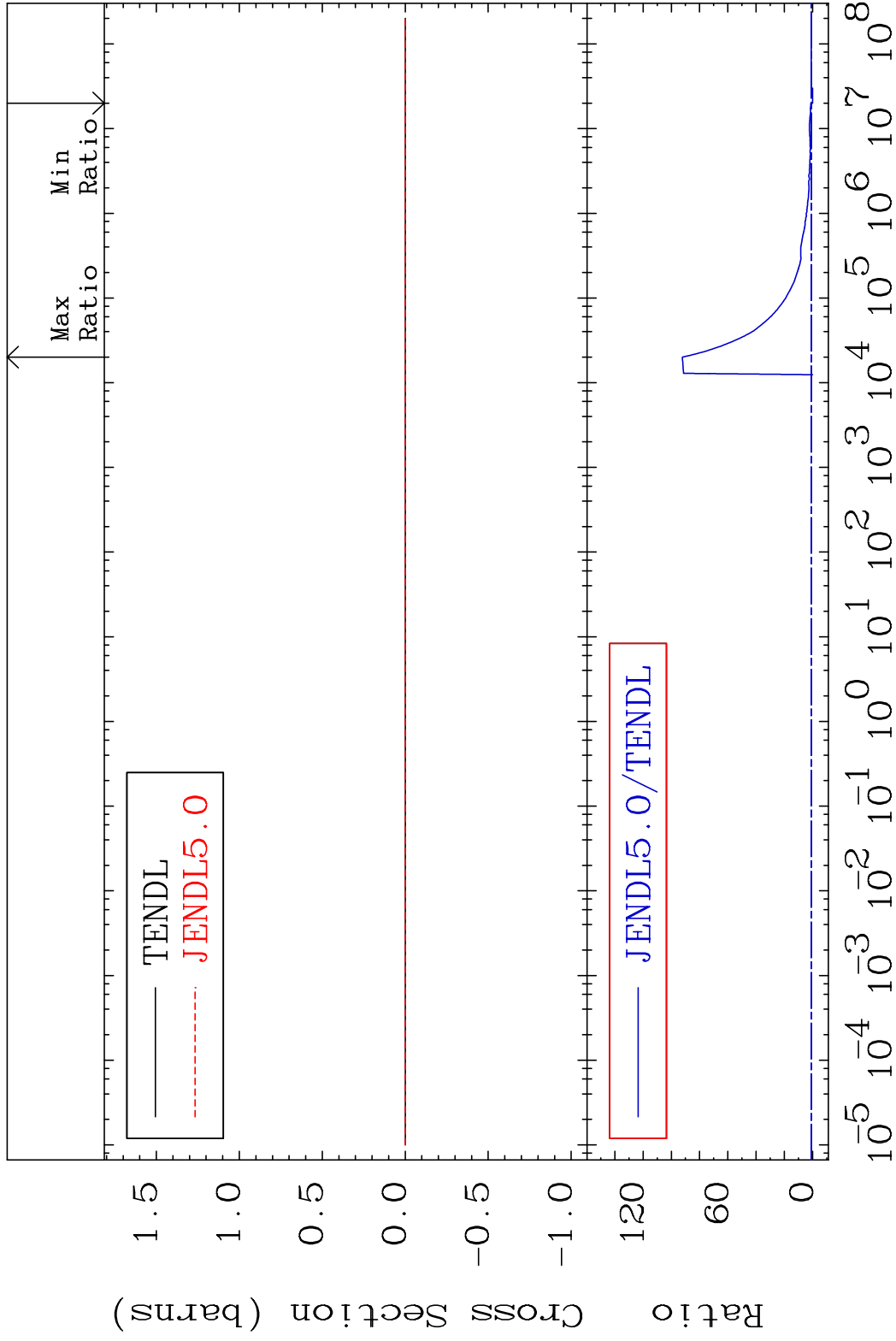


55 Incident Energy (eV) 56-Ba-133

MAT 5634 Kerma inelastic (mt51-91) 56-Ba-133
 Cross Section -100.0 To 9120. %

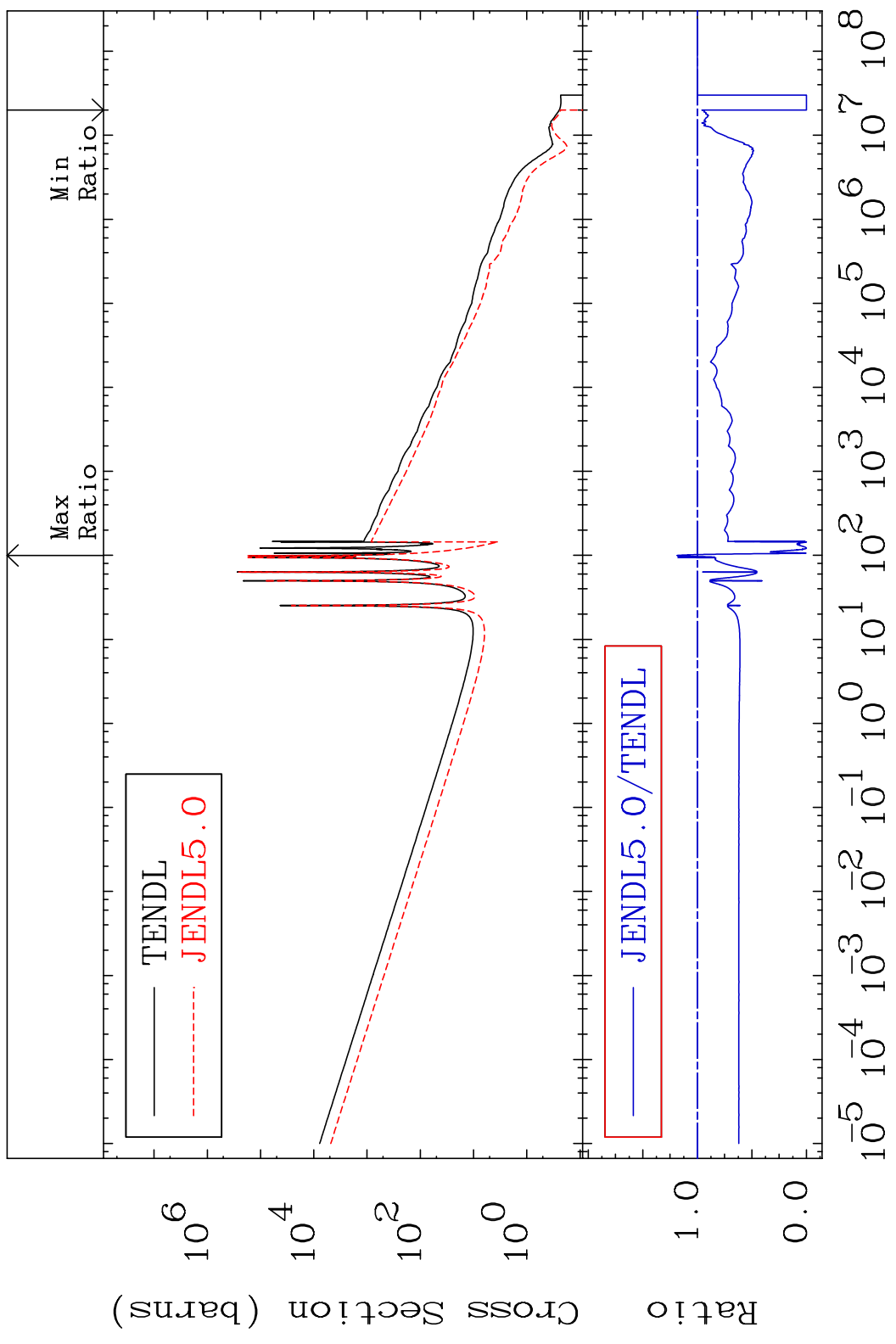


MAT 5634 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-133
 Cross Section -100.0 To 9120. %



MAT 5634

Kerma capture (mt102) 56-Ba-133
Cross Section -100.0 To 18.46 %

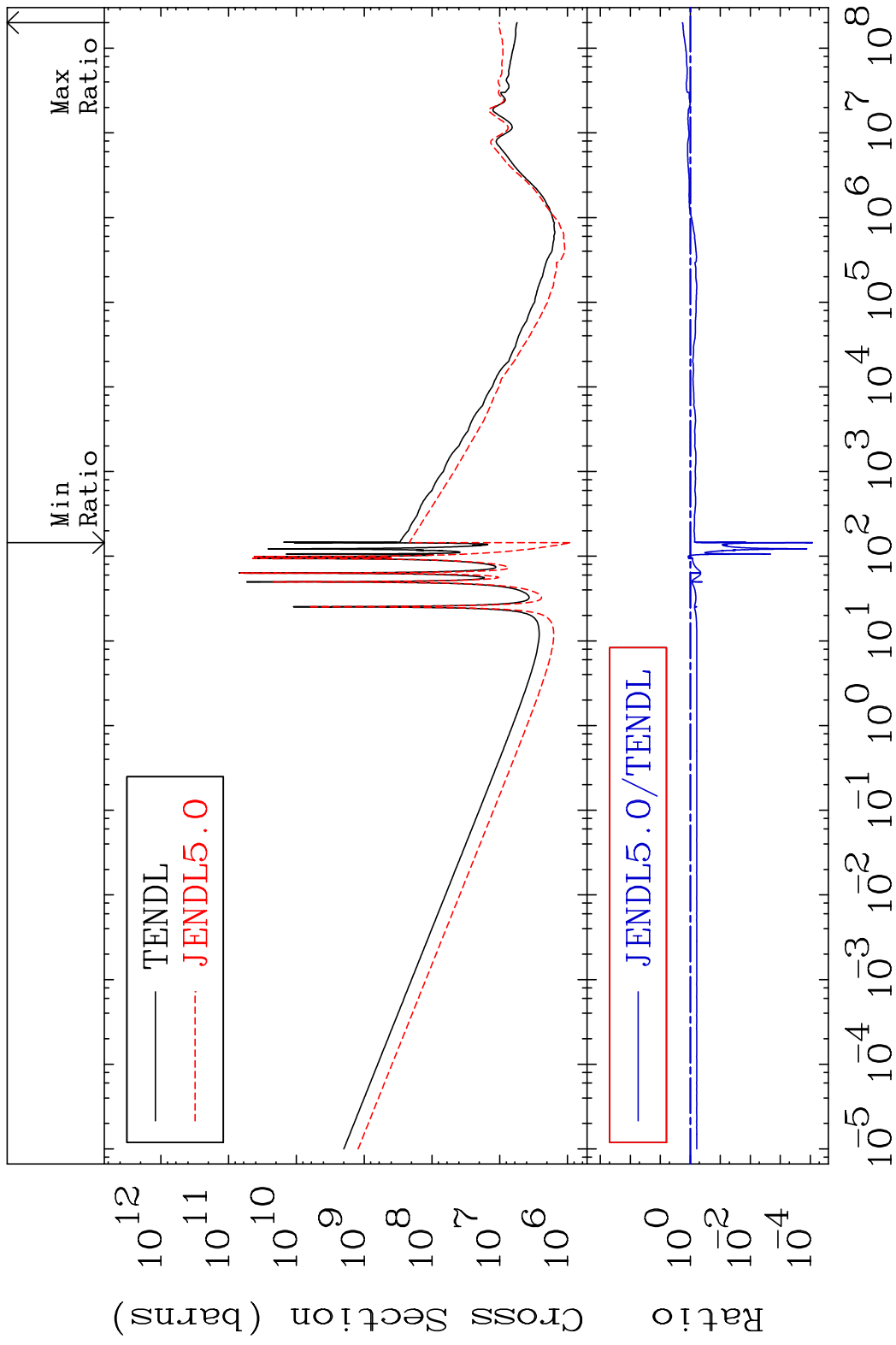


58

Incident Energy (eV)

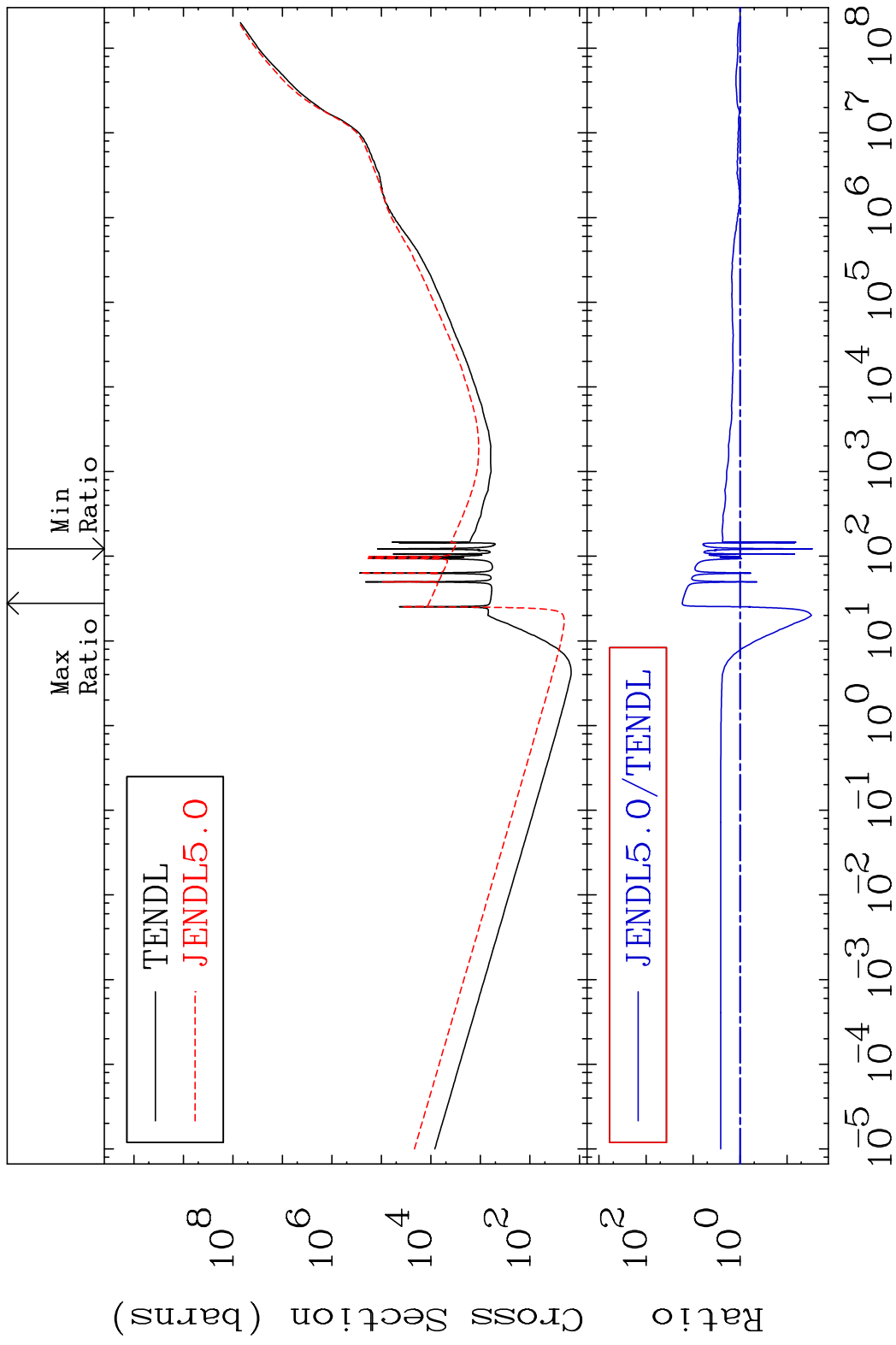
56-Ba-133

MAT 5634 Total photon (eV-barns) 56-Ba-133
 Cross Section -99.99 To 84.27 %

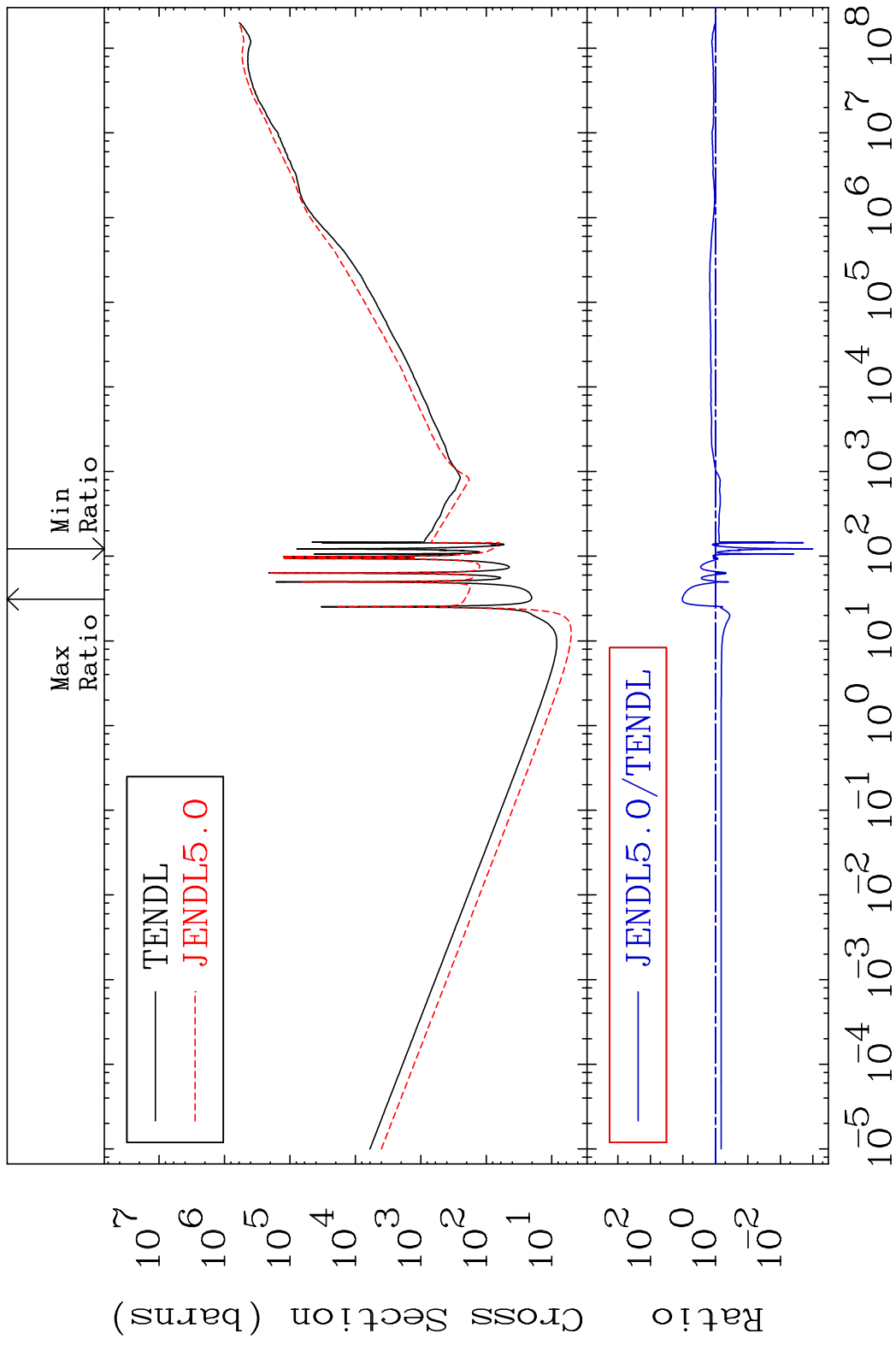


59 Incident Energy (eV) 56-Ba-133

MAT 5634 Total kinematic kerma (high limit) 56-Ba-133
Cross Section -97.13 To 1589. %



MAT 5634 Dpa total (eV-barns) 56-Ba-133
 Cross Section -99.90 To 941.0 %

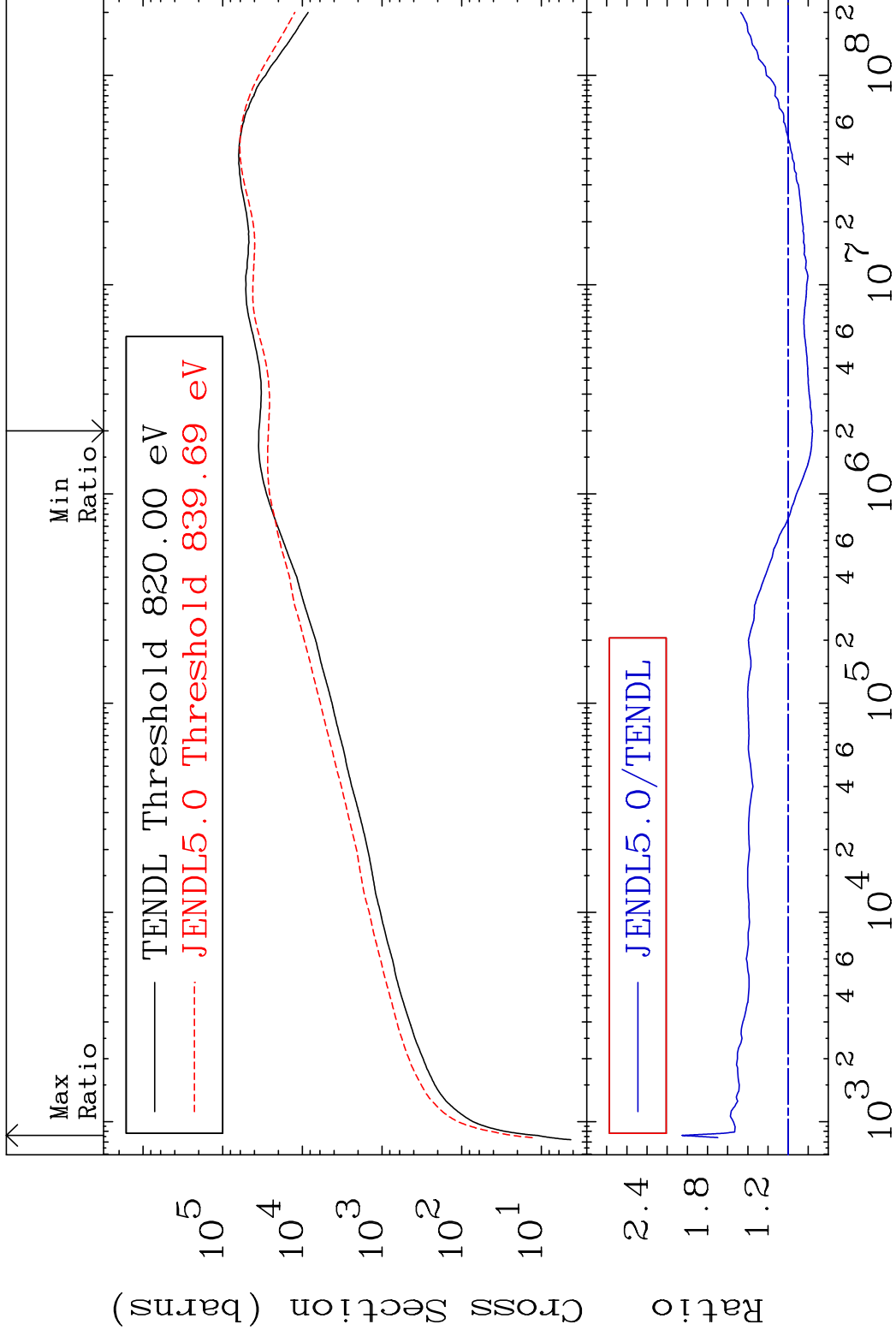


MAT 5634

Dpa elastic (mt2)

56-Ba-133

Cross Section -24.14 To 105.2 %

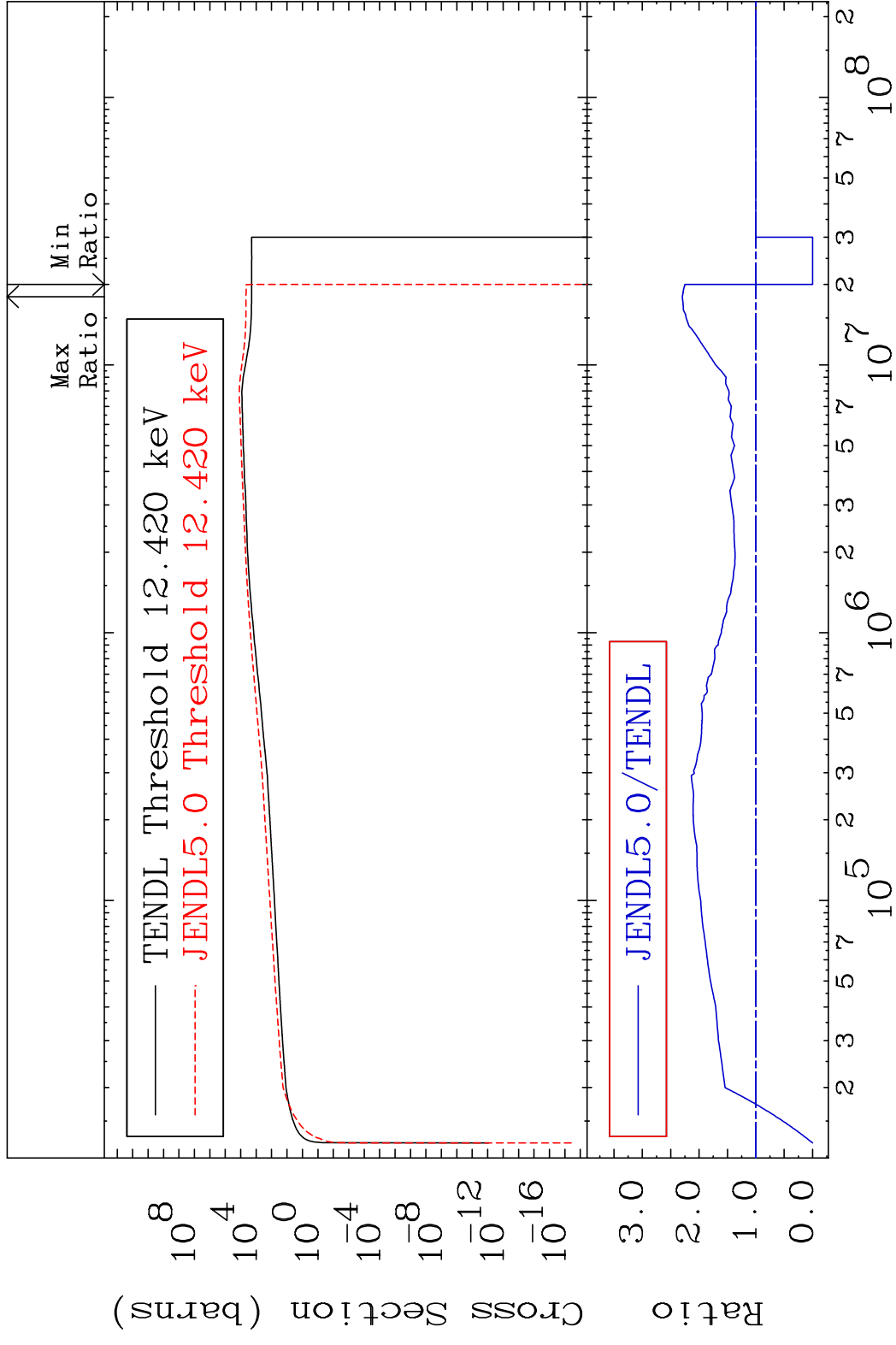


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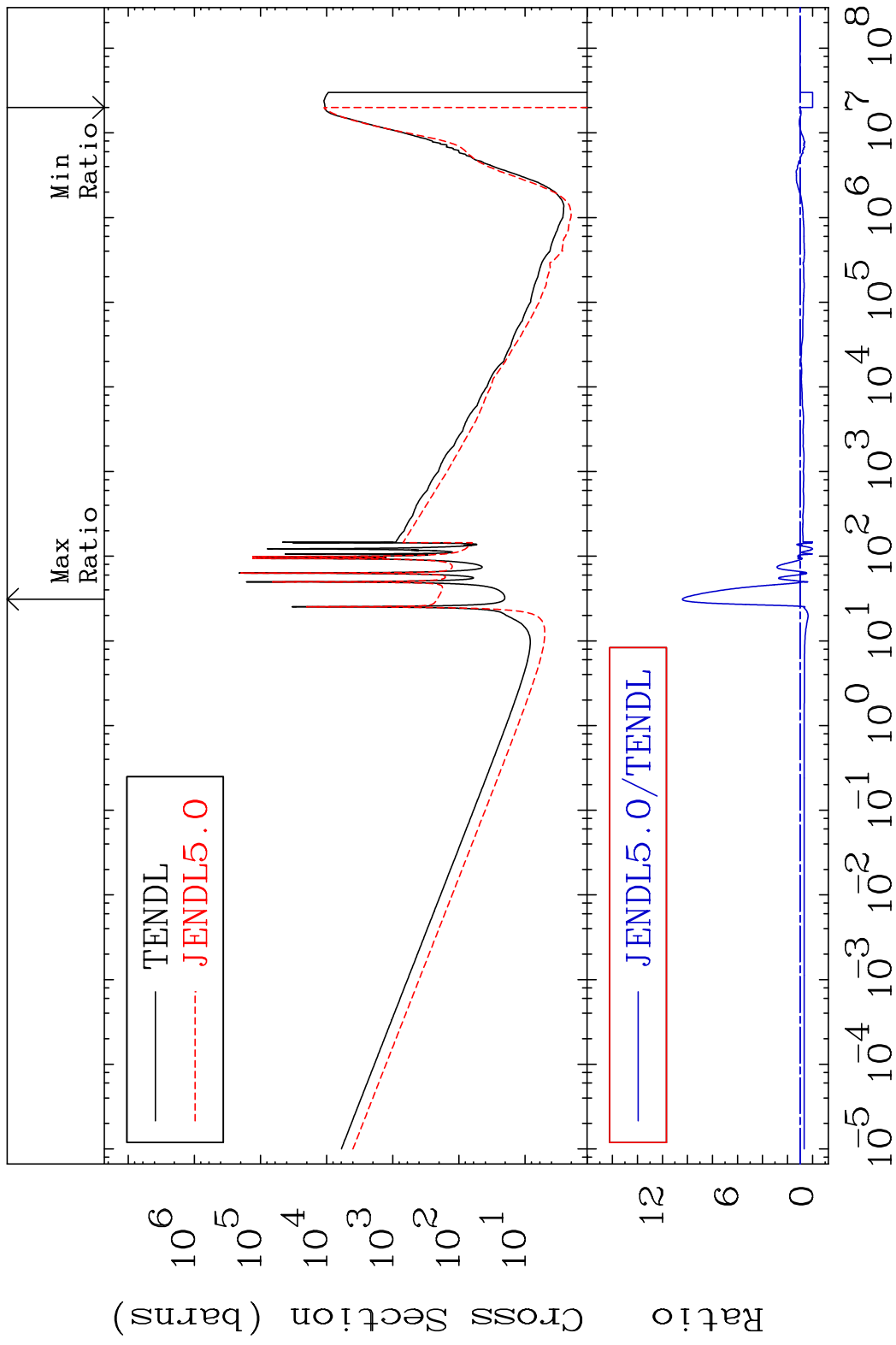
Incident Energy (eV)

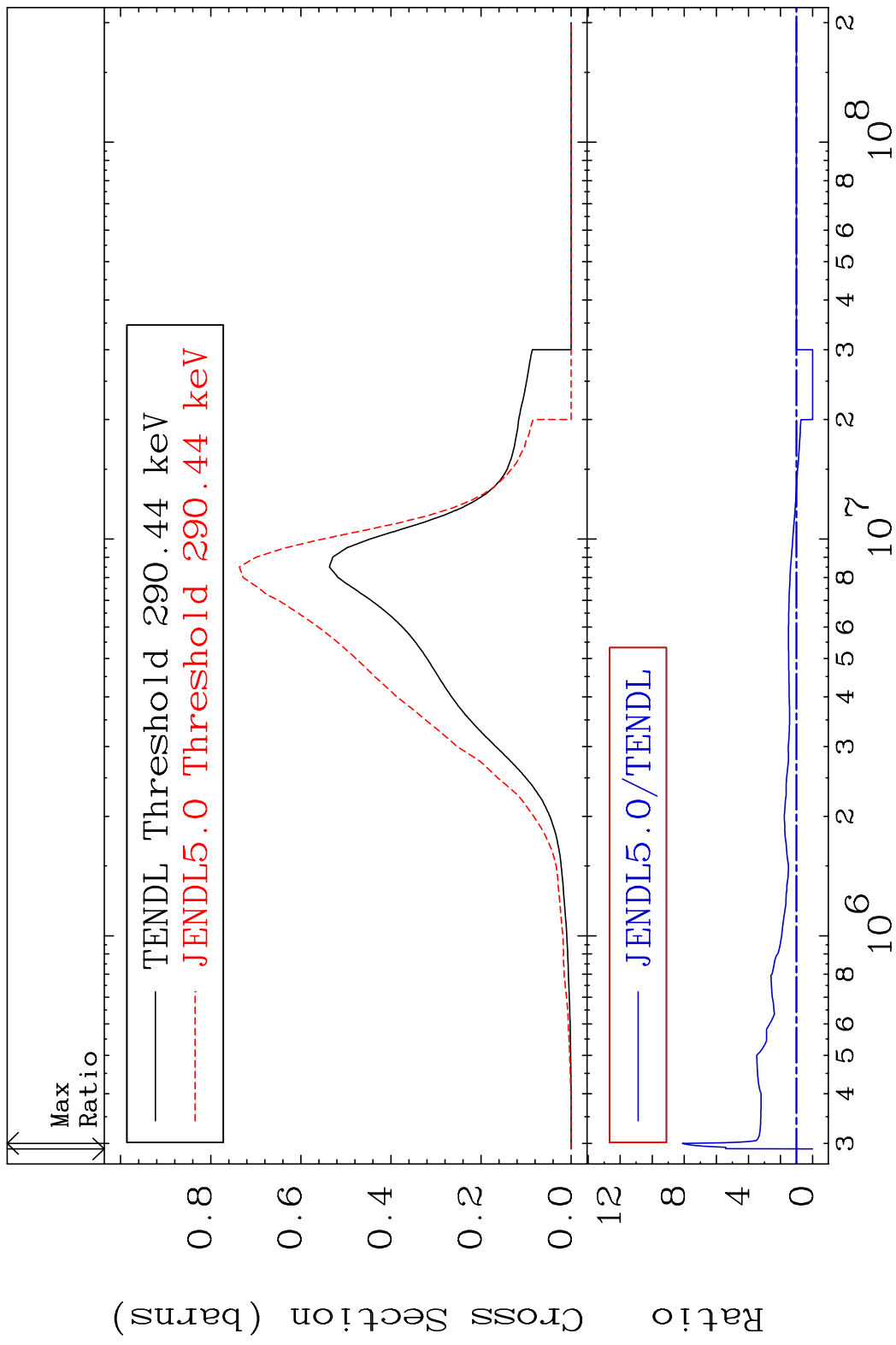
56-Ba-133

MAT 5634 Dpa inelastic (mt51-91) 56-Ba-133
 Cross Section -100.0 To 129.5 %

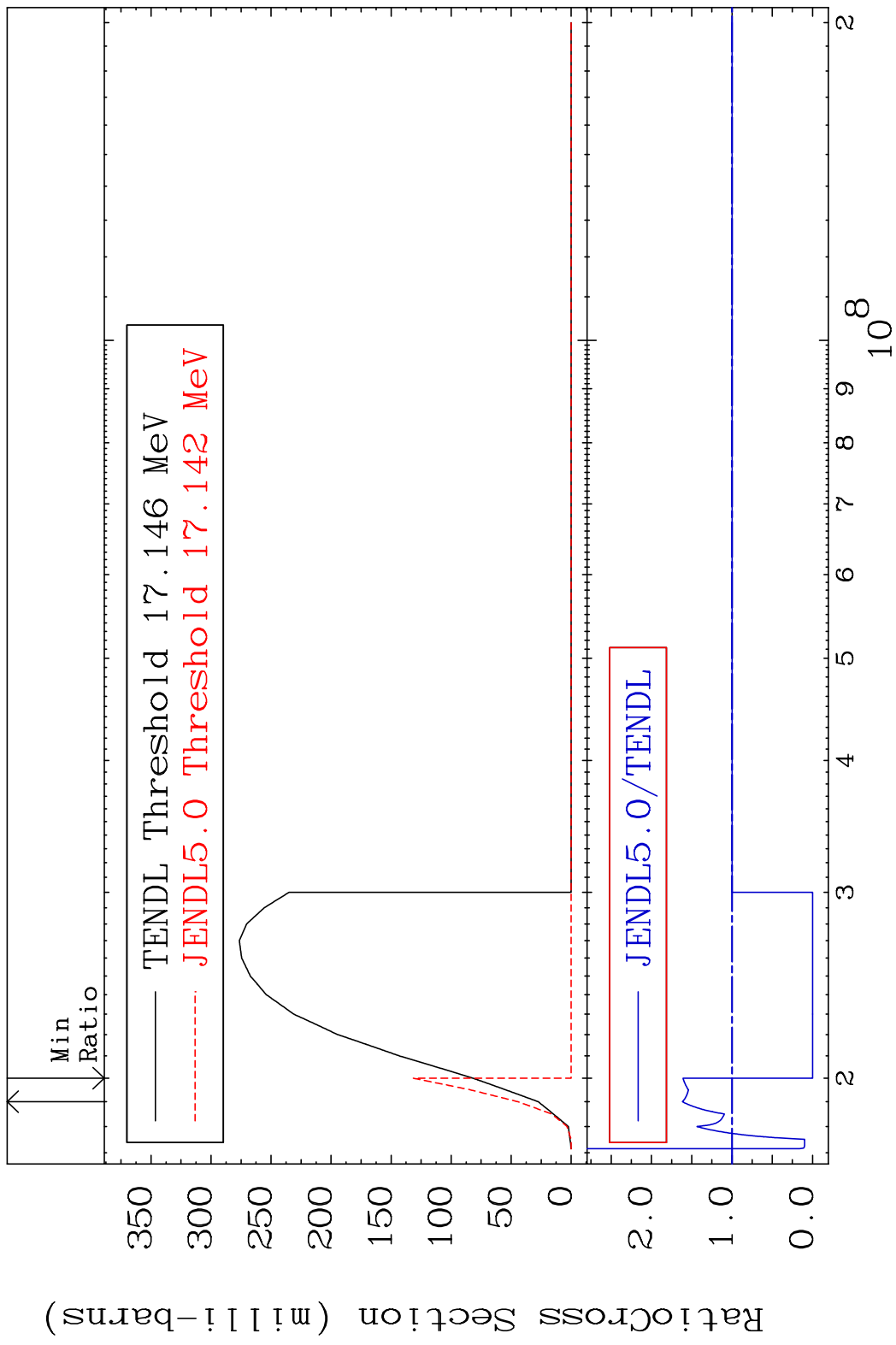


MAT 5634 Dpa disappearance (mt102 -120) 56-Ba-133
 Cross Section -100.0 To 941.0 %

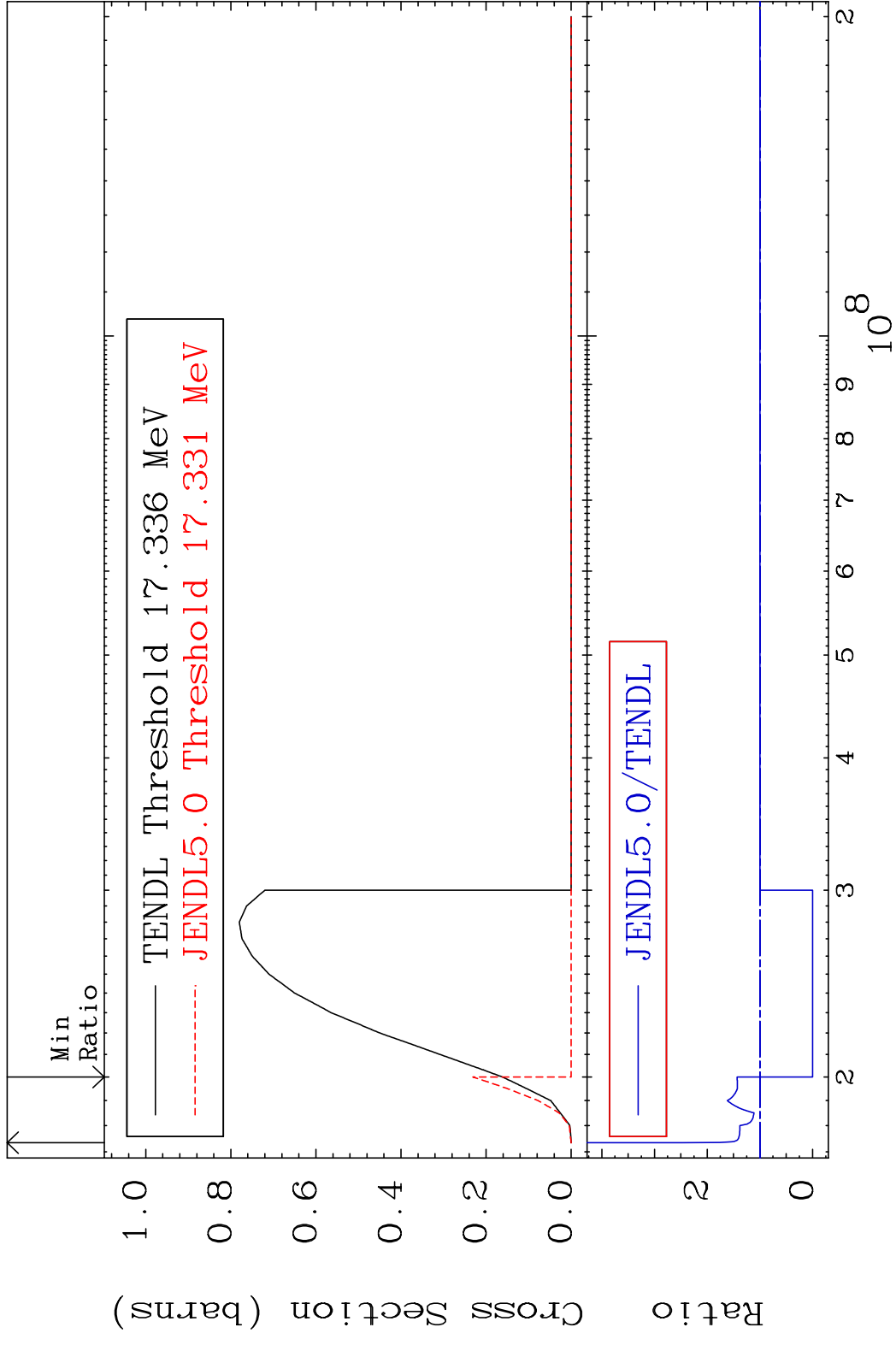


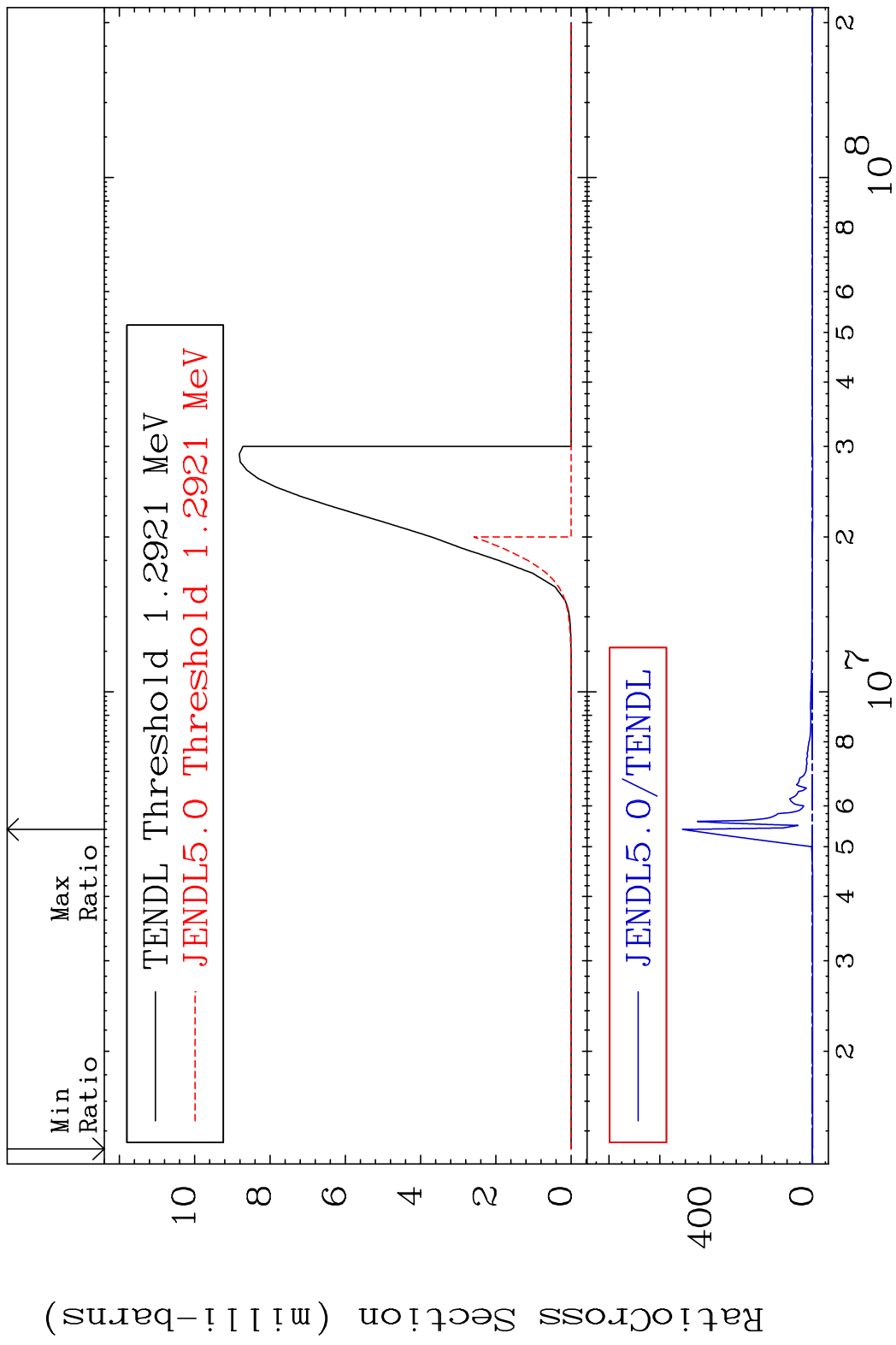


MAT 5634 (n,3n):56-Ba-131g 56-Ba-133
 Radionuclide Production Cross Section Ratio 61.63 %

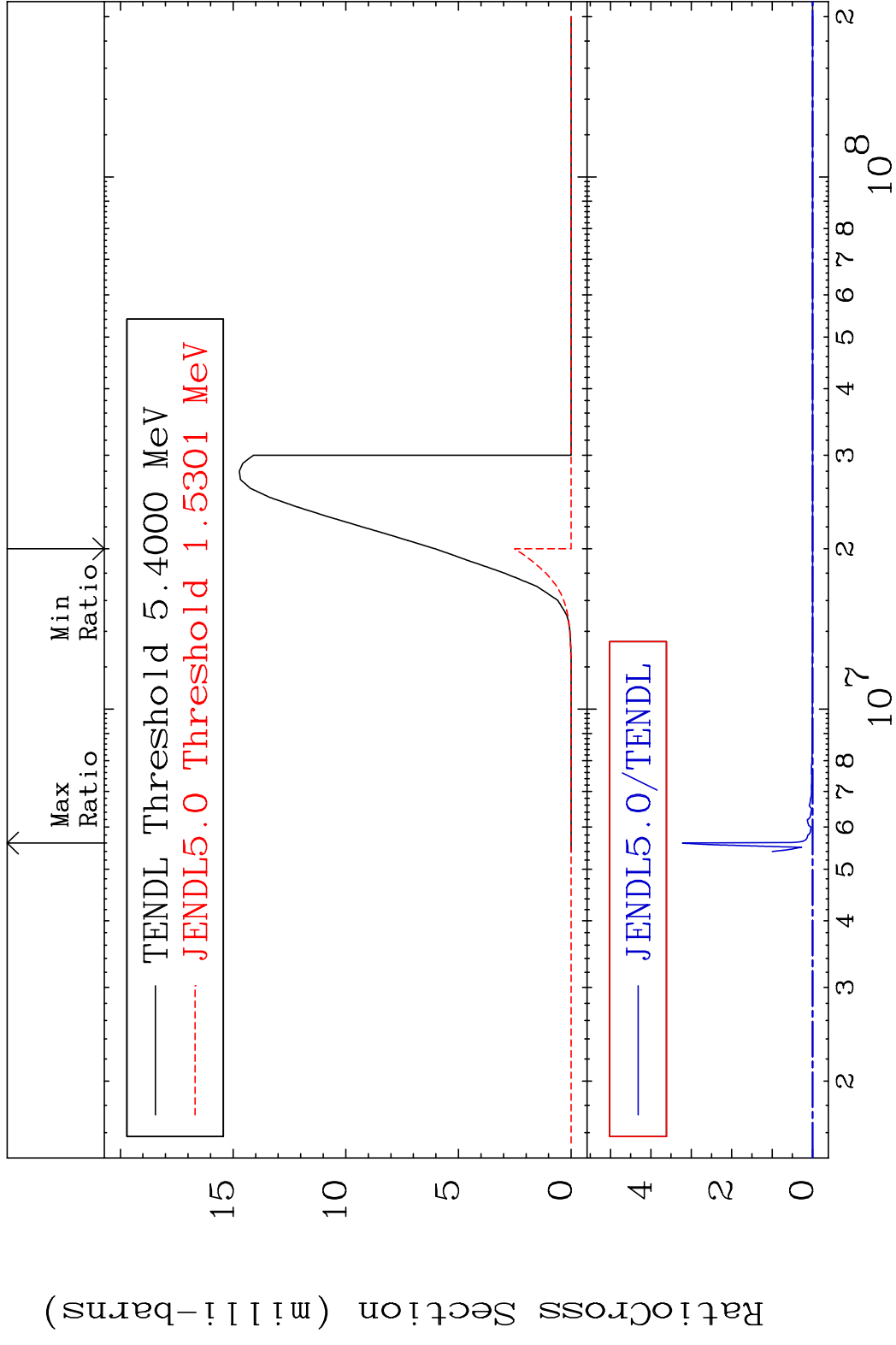


MAT 5634 (n, 3n):56-Ba-131m2 56-Ba-133
 Radionuclide Production Cross Section 180.0 dth 147.1 %

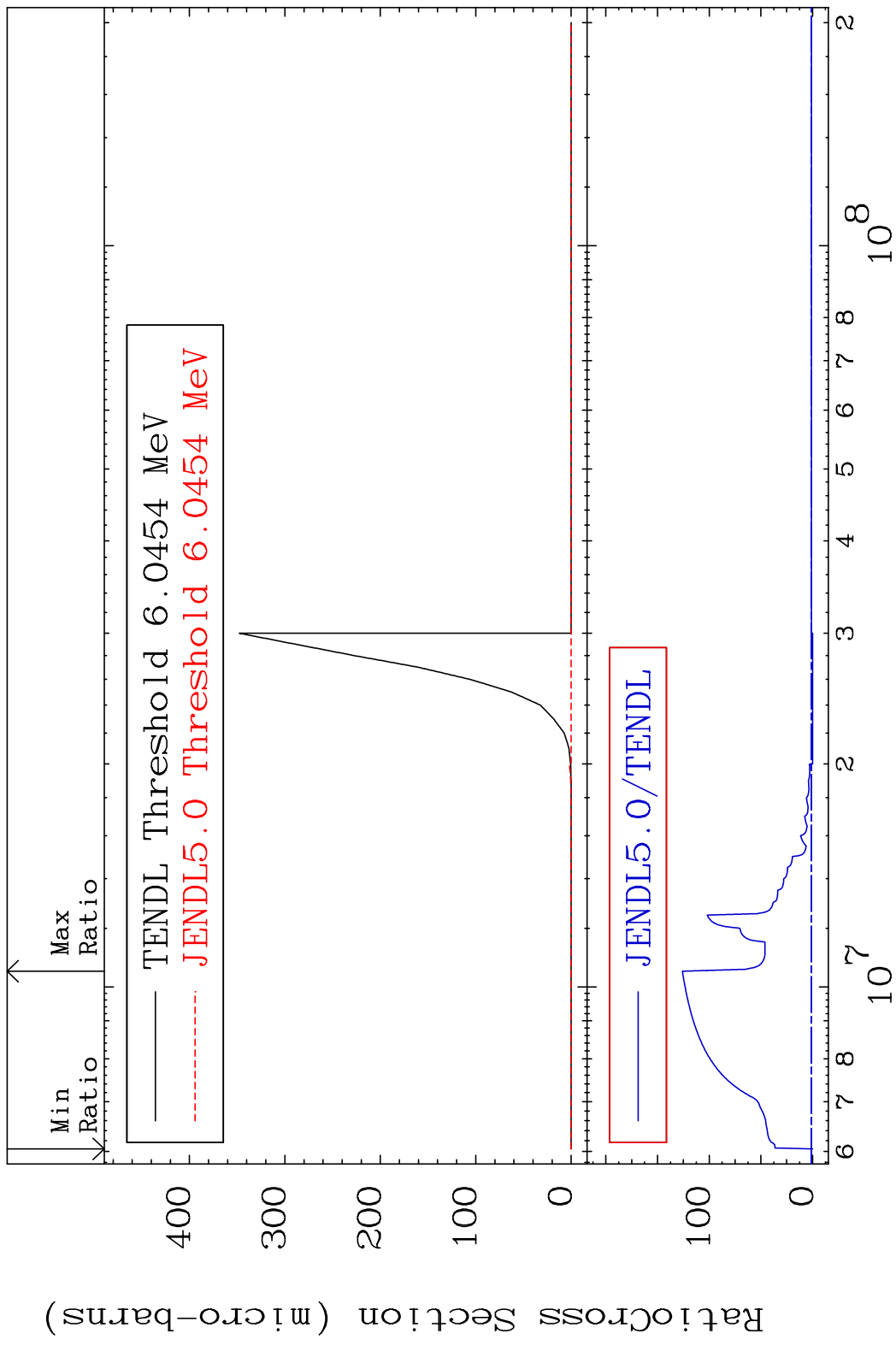




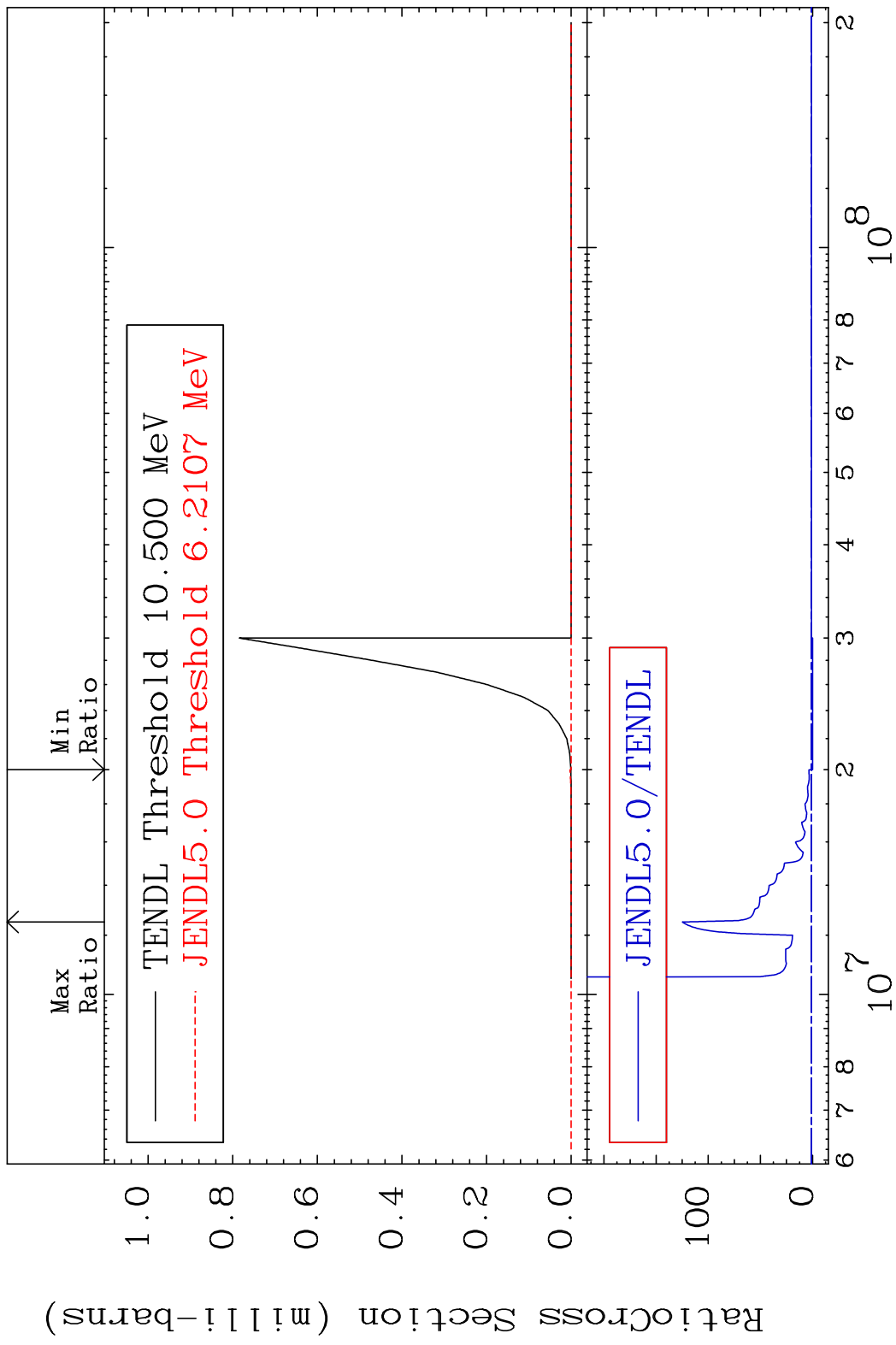
MAT 5634 (n, n') α :54-Xe-129m2 56-Ba-133
 Radionuclide Production Cross Section Ratio 9999. %



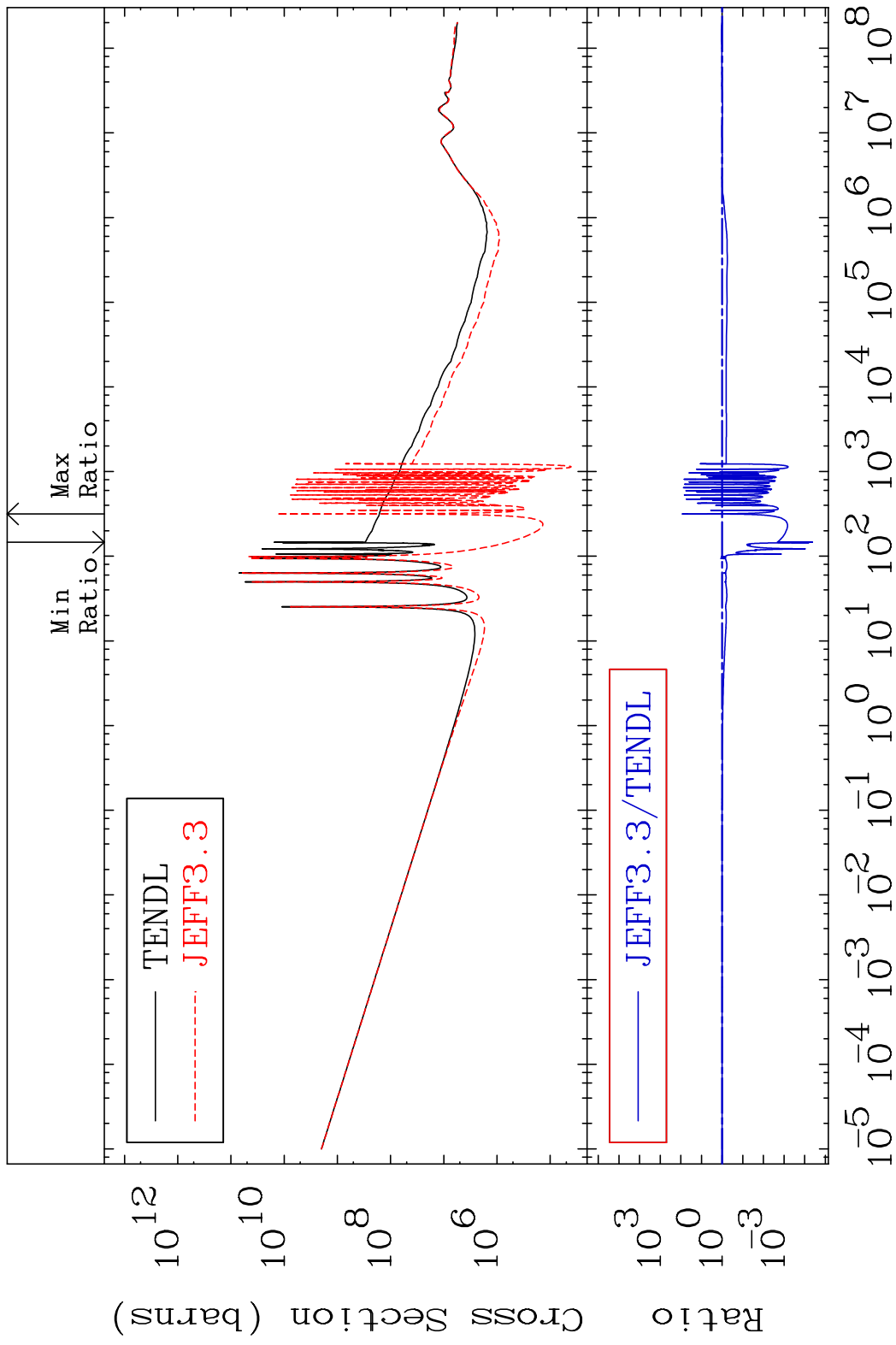
MAT 5634 (n, He-3):54-Xe-131g 56-Ba-133
 Radionuclide Production Cross Section Ratio 9999. %



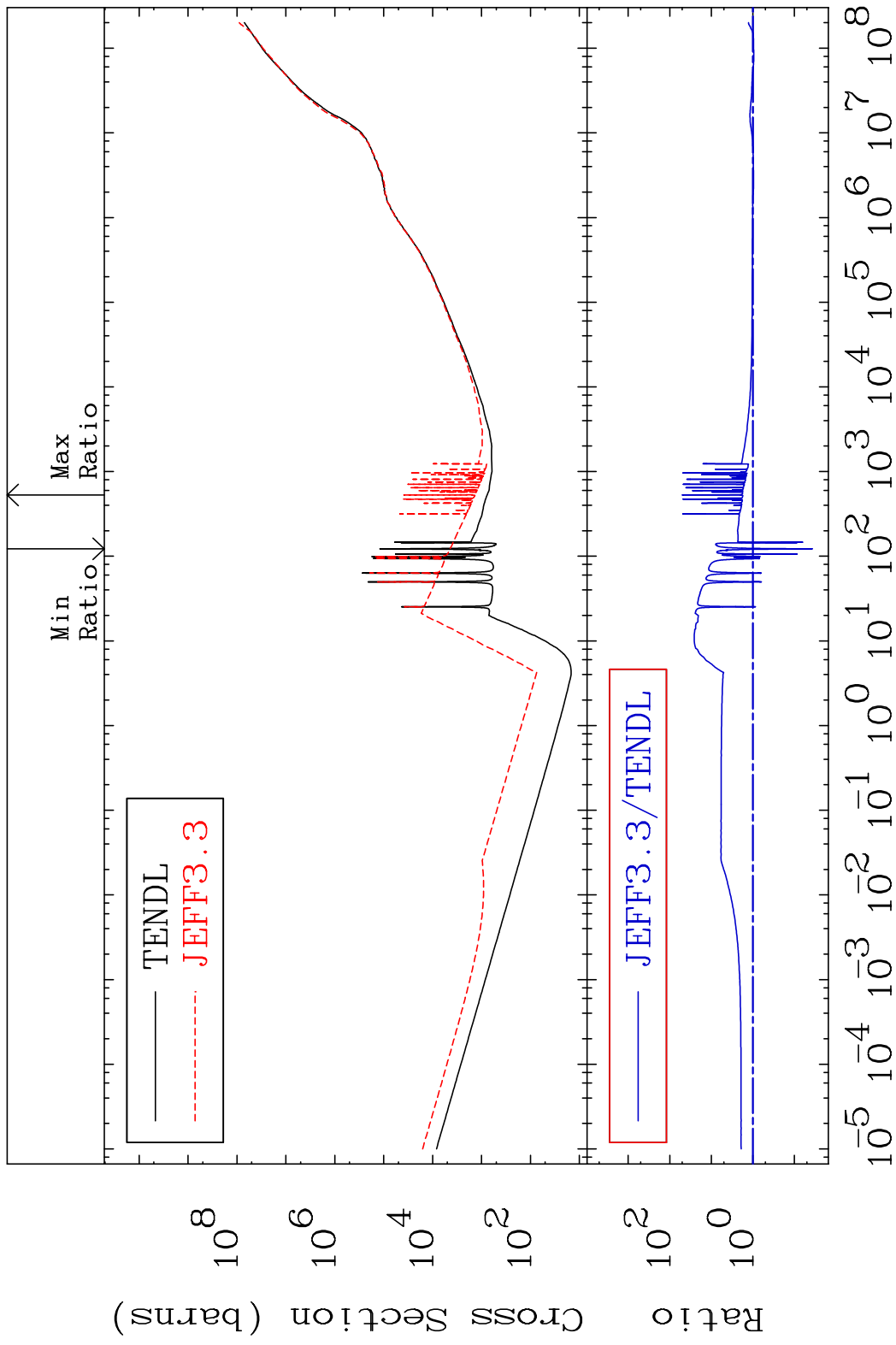
70 Incident Energy (eV) 56-Ba-133



MAT 5634 Total photon (eV-barns) 56-Ba-133
 Cross Section -100.0 To 8339. %



MAT 5634 Total kinematic kerma (high limit) 56-Ba-133
 Cross Section -96.34 To 4870. %

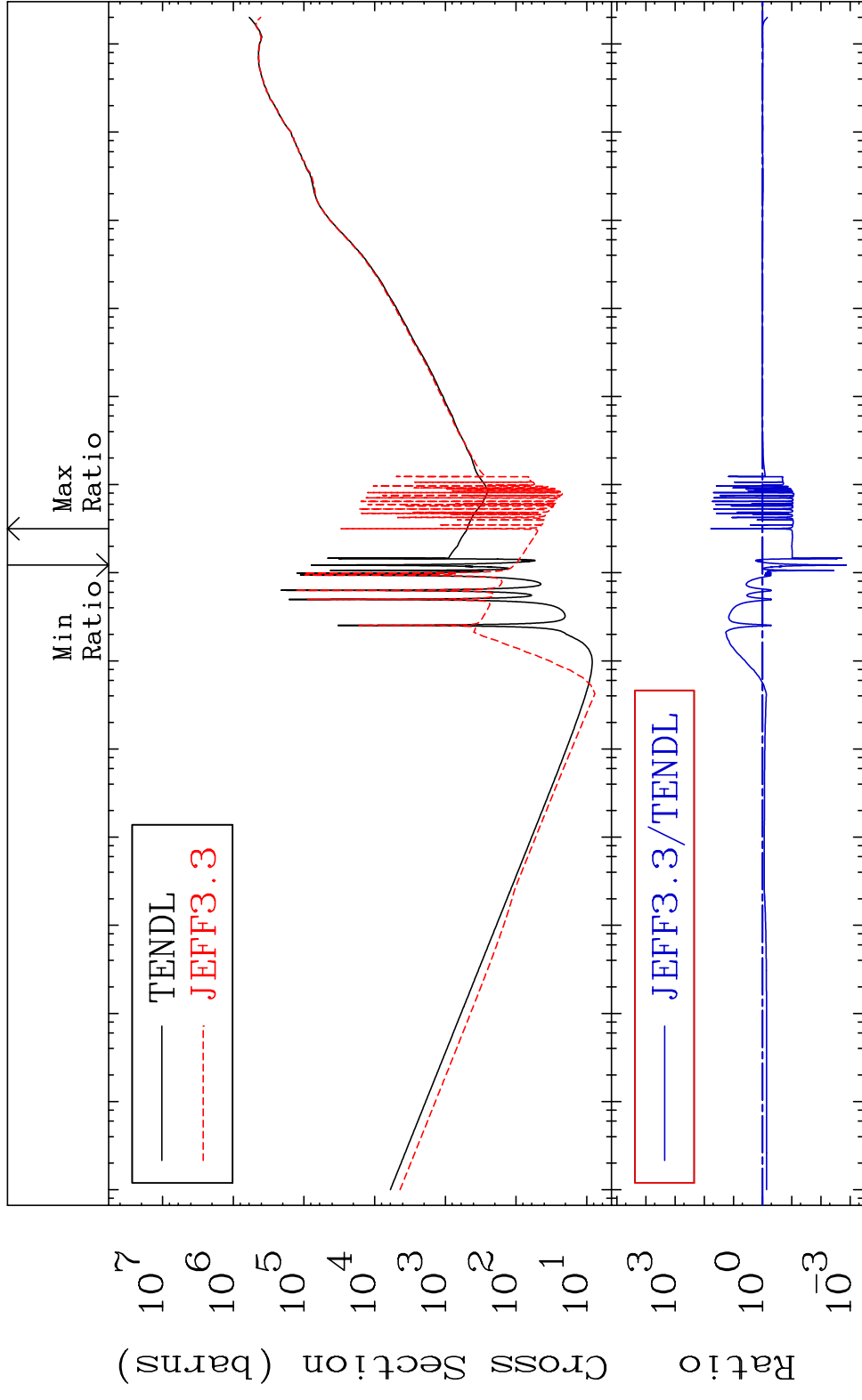


MAT 5634

Dpa total (eV-barns)

56-Ba-133

Cross Section -99.87 To 5935. %



74

Incident Energy (eV)

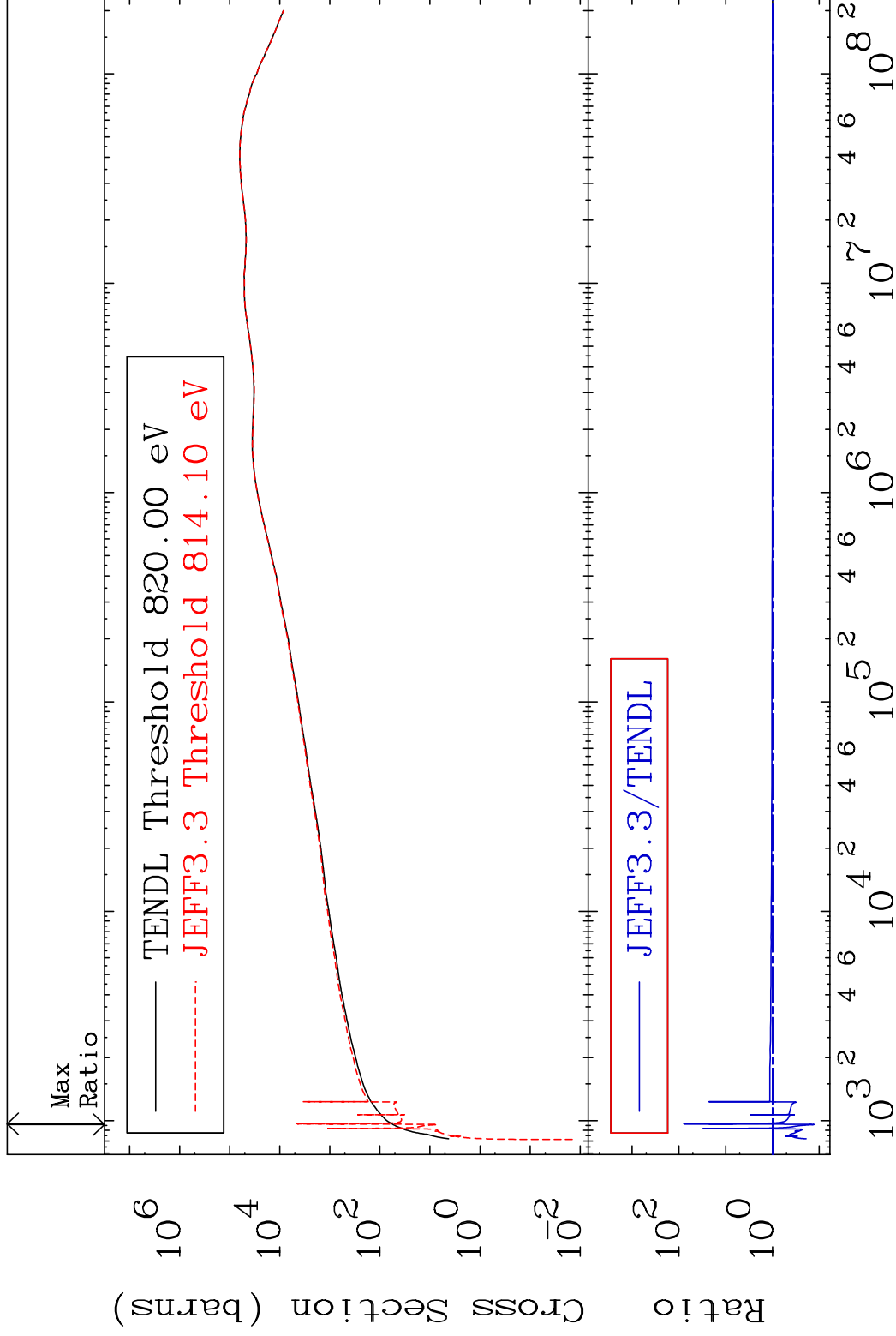
56-Ba-133

MAT 5634

Dpa elastic (mt2)

56-Ba-133

Cross Section -87.10 To 7792. %

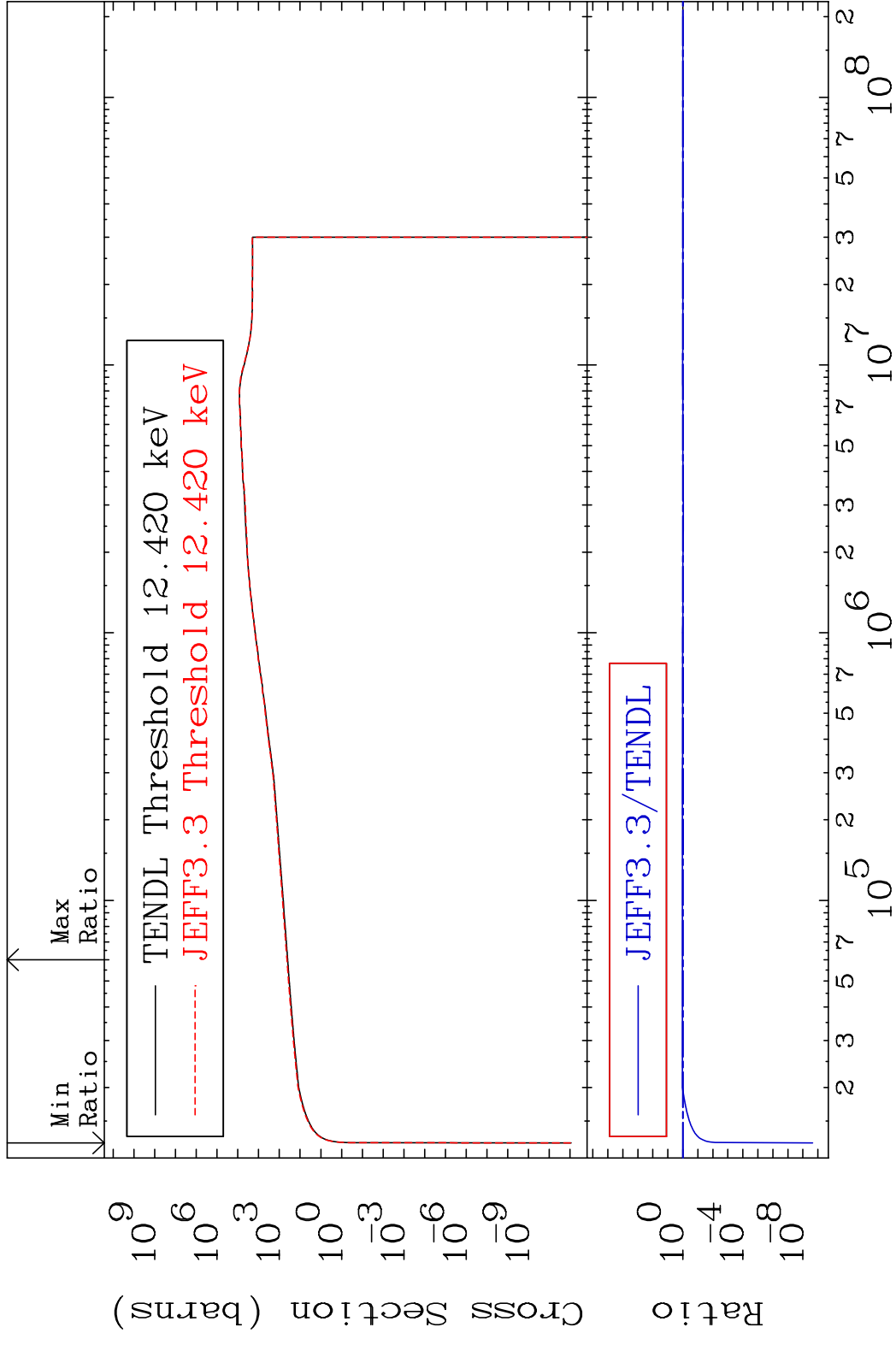


75

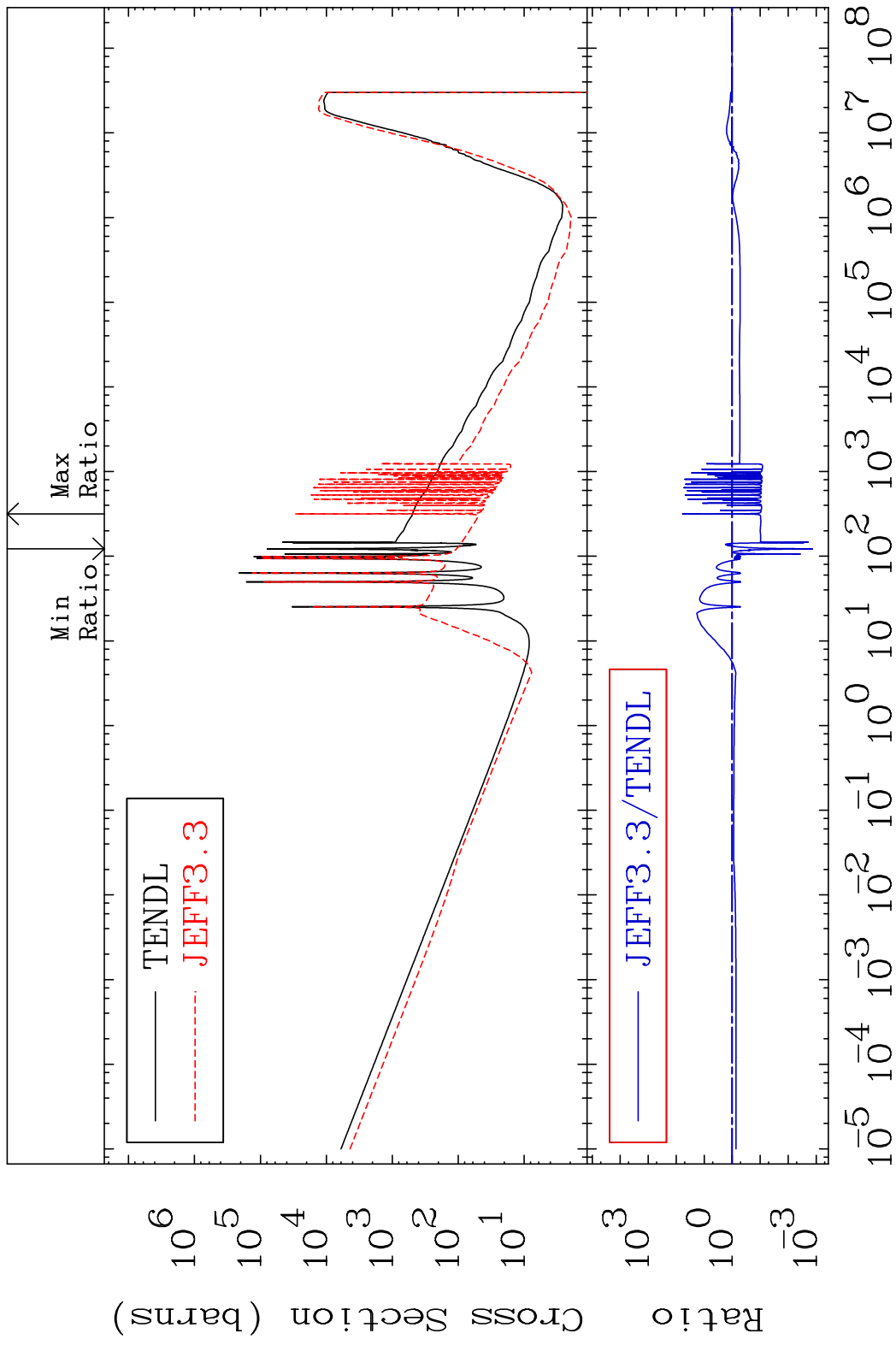
Incident Energy (eV)

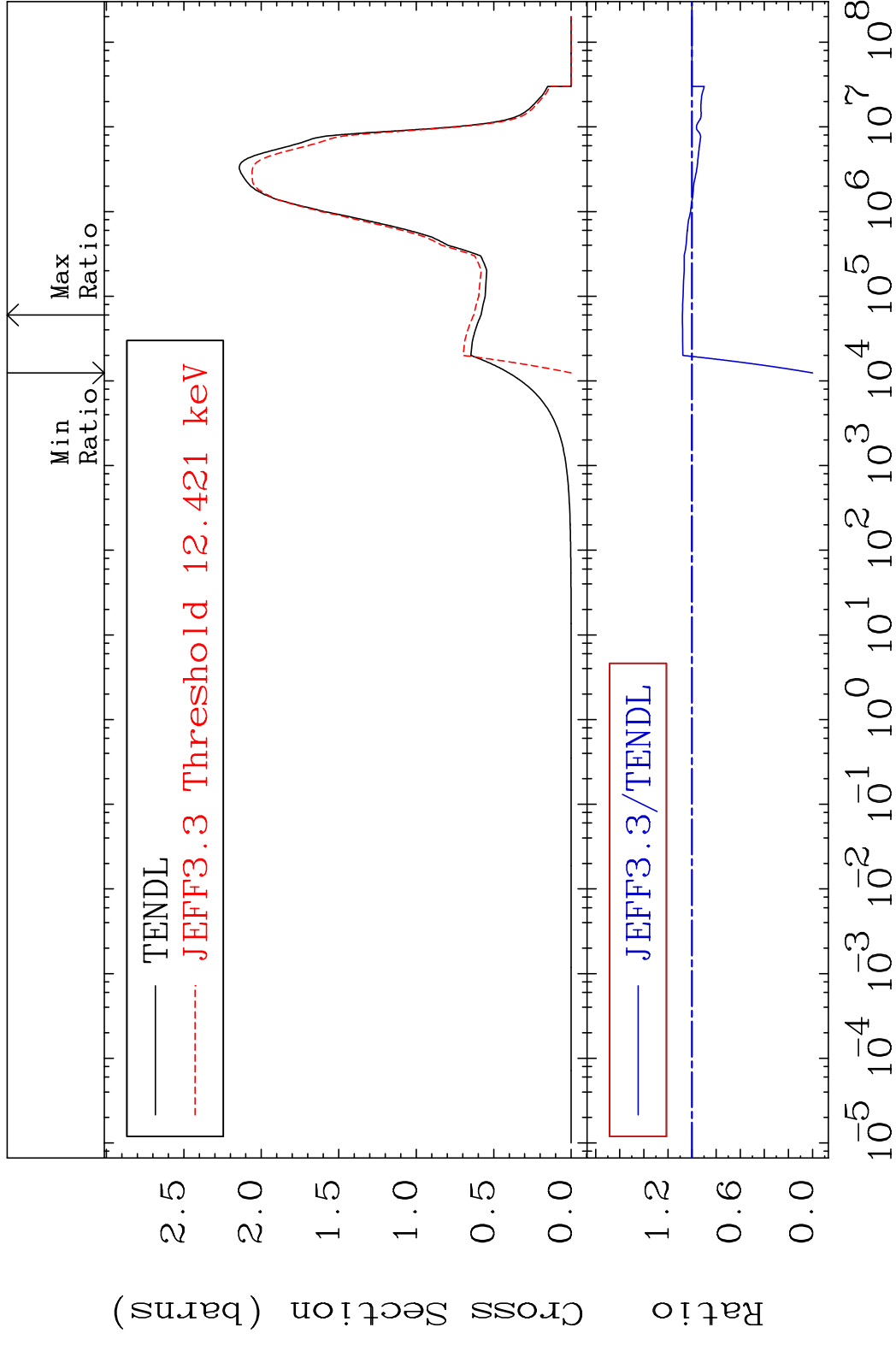
56-Ba-133

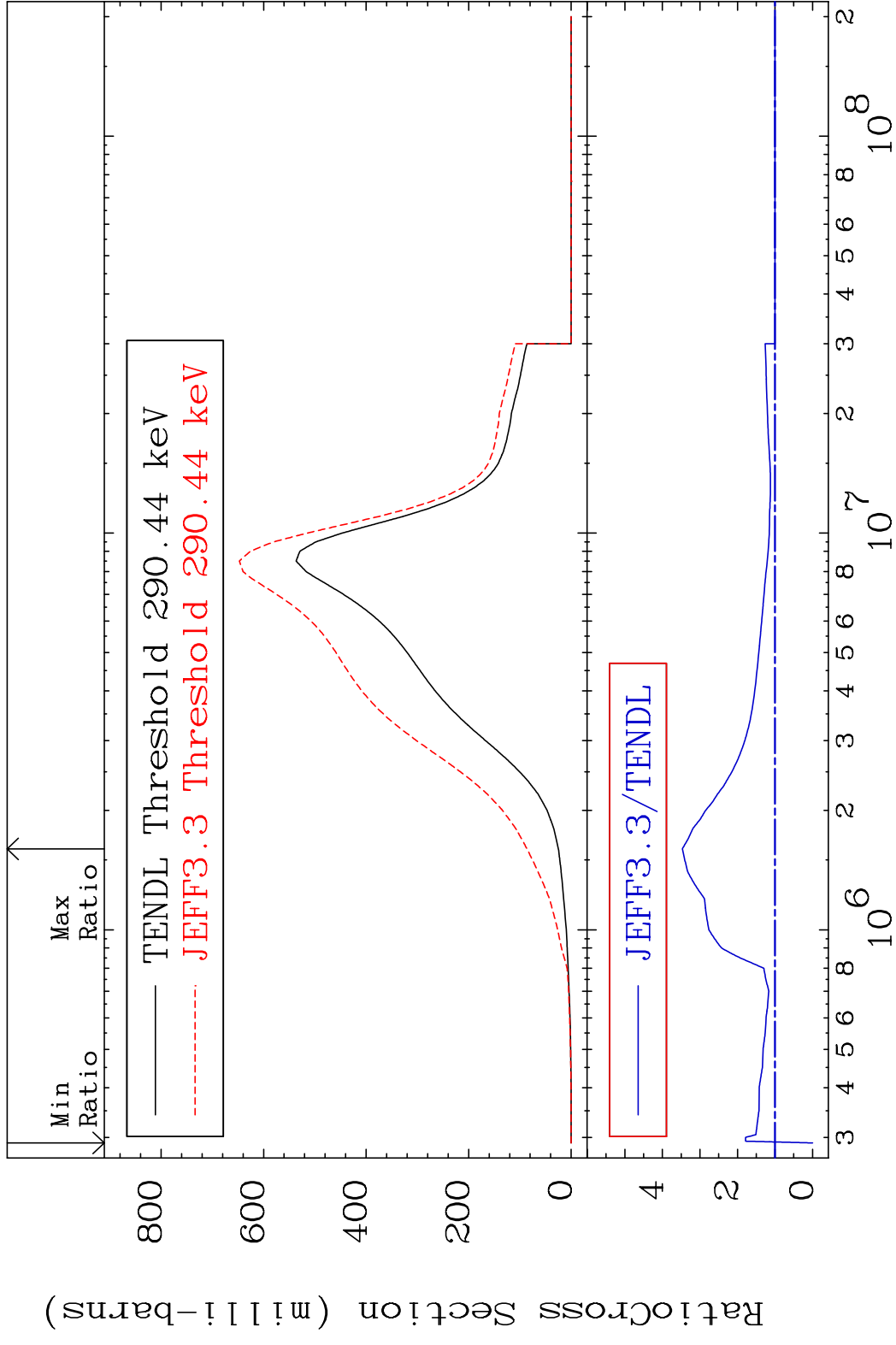
MAT 5634 Dpa inelastic (mt51-91) 56-Ba-133
 Cross Section -100.0 To 8.061 %



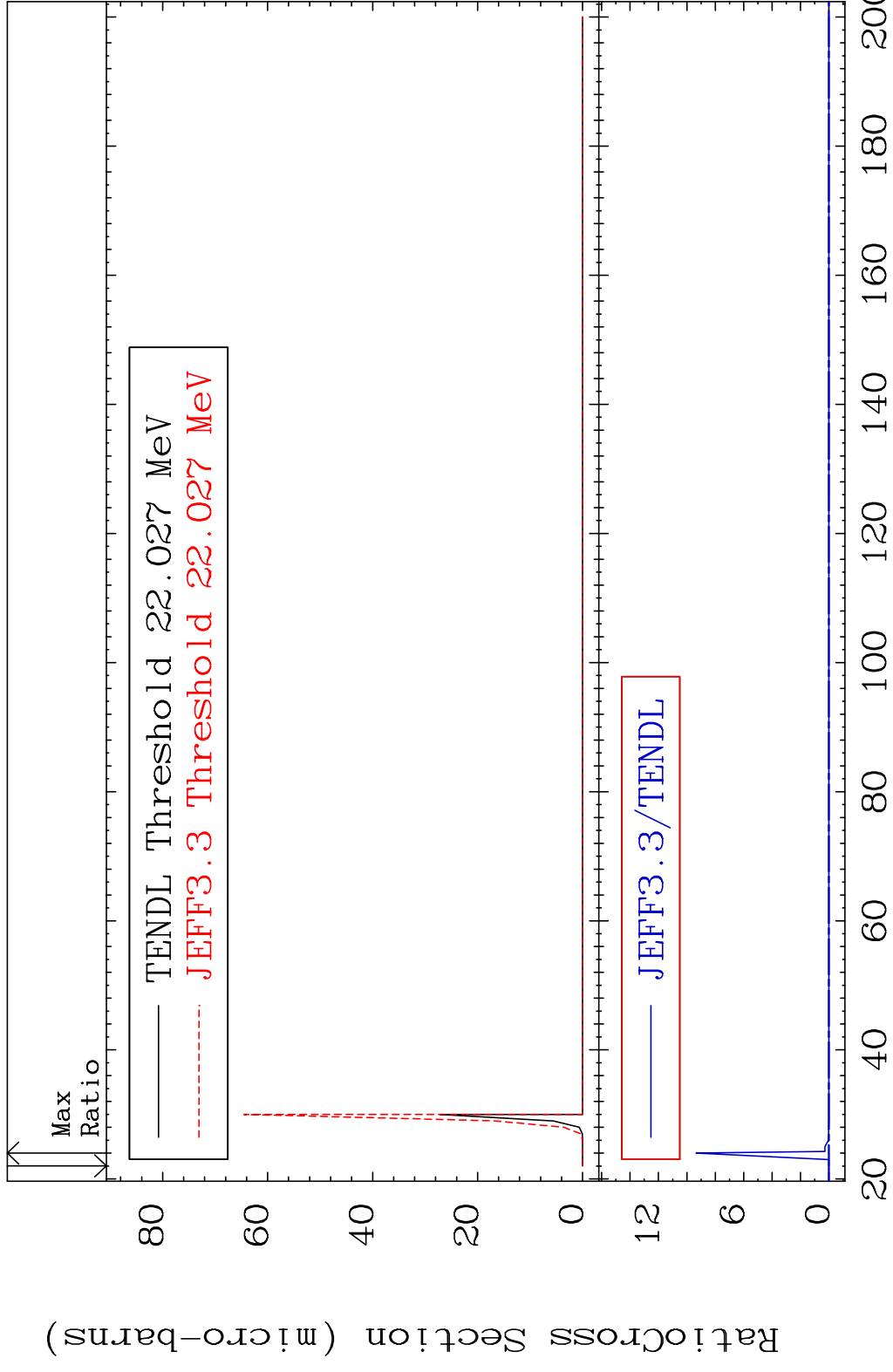
MAT 5634 Dpa disappearance (mt102 -120) 56-Ba-133
 Cross Section -99.87 To 5935. %



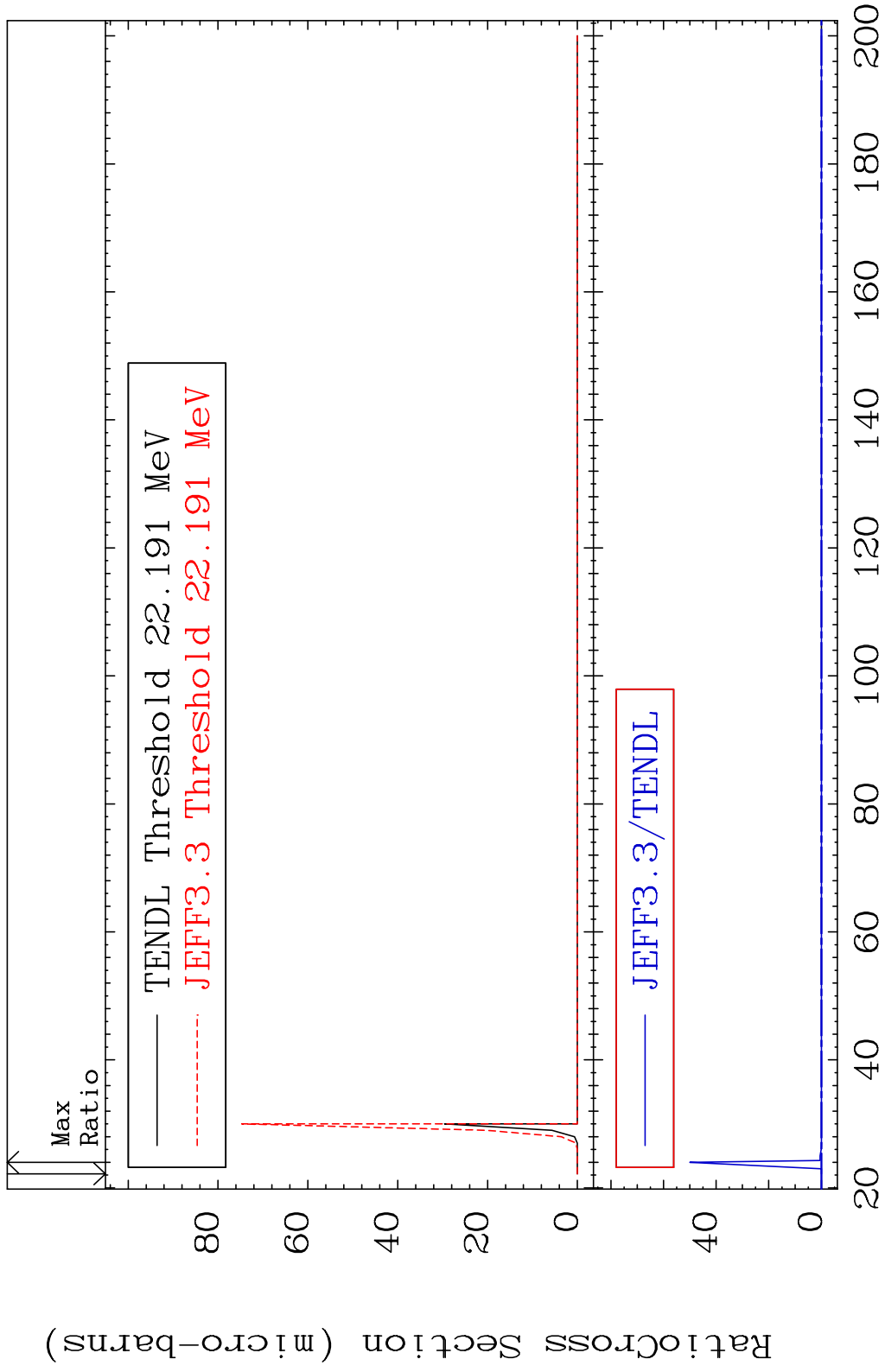




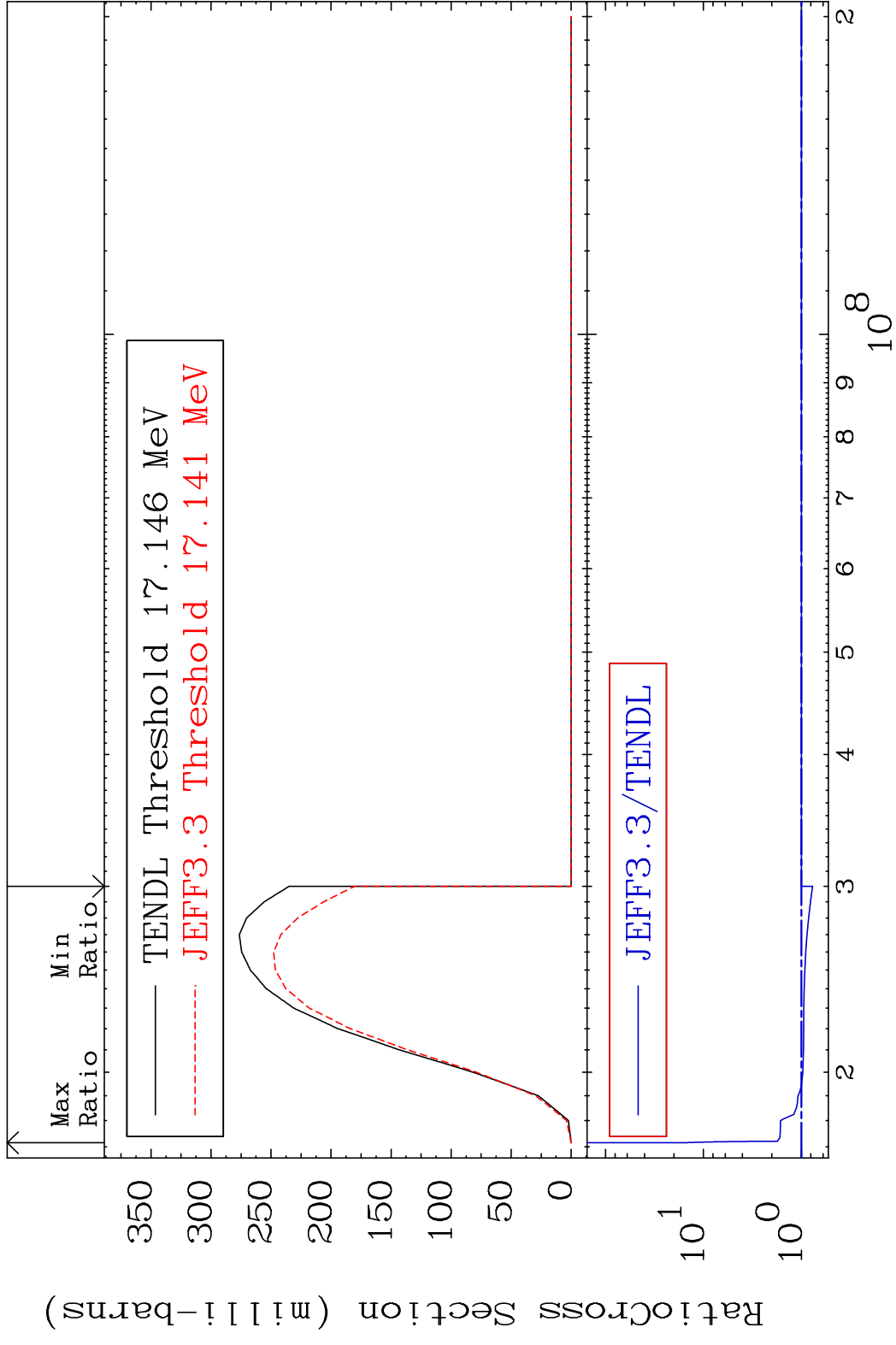
MAT 5634 (n,2n) d:55-Cs-130g 56-Ba-133
 Radionuclide Production Cross Section (%)

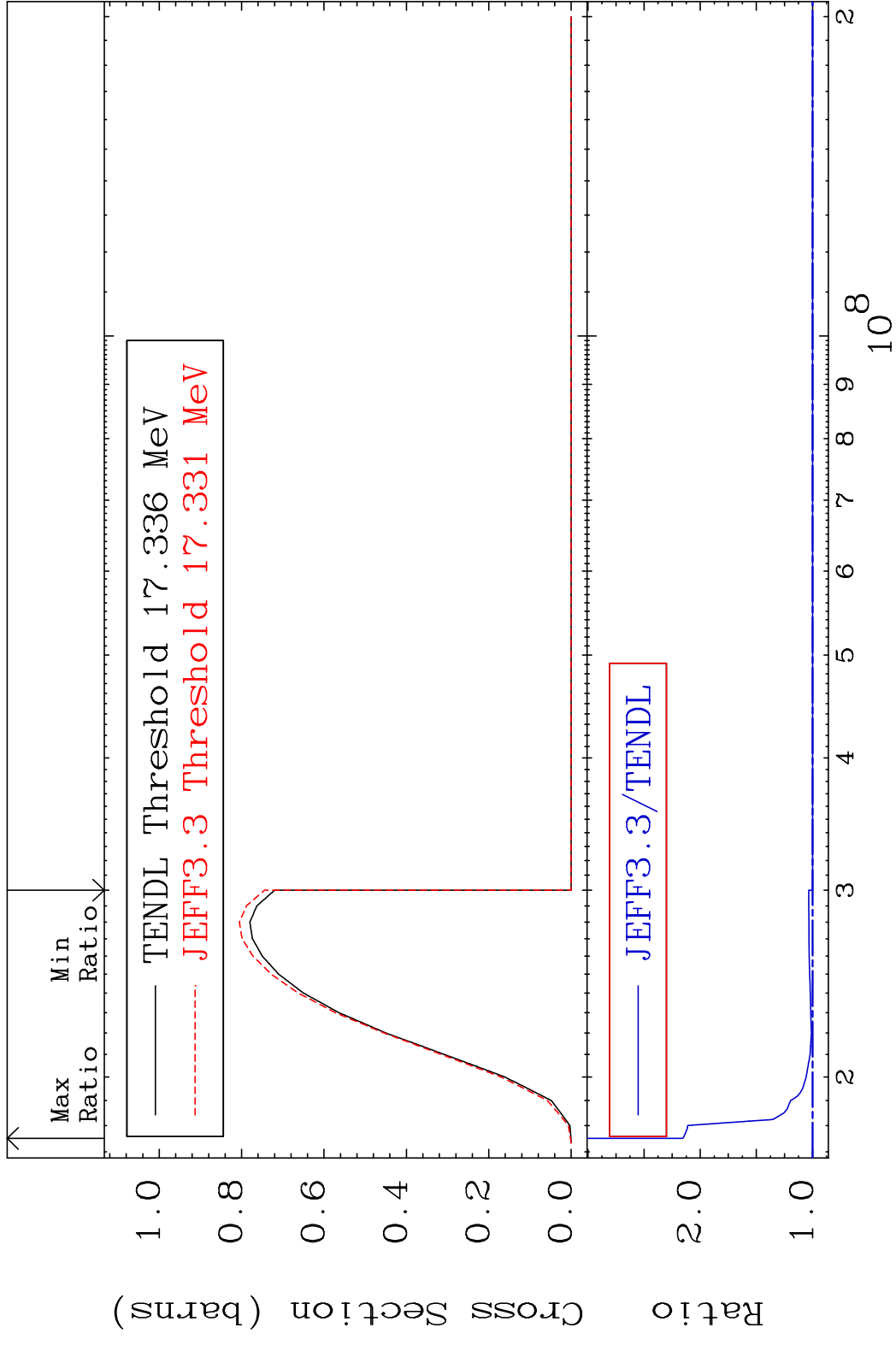


80 Incident Energy (MeV) 56-Ba-133

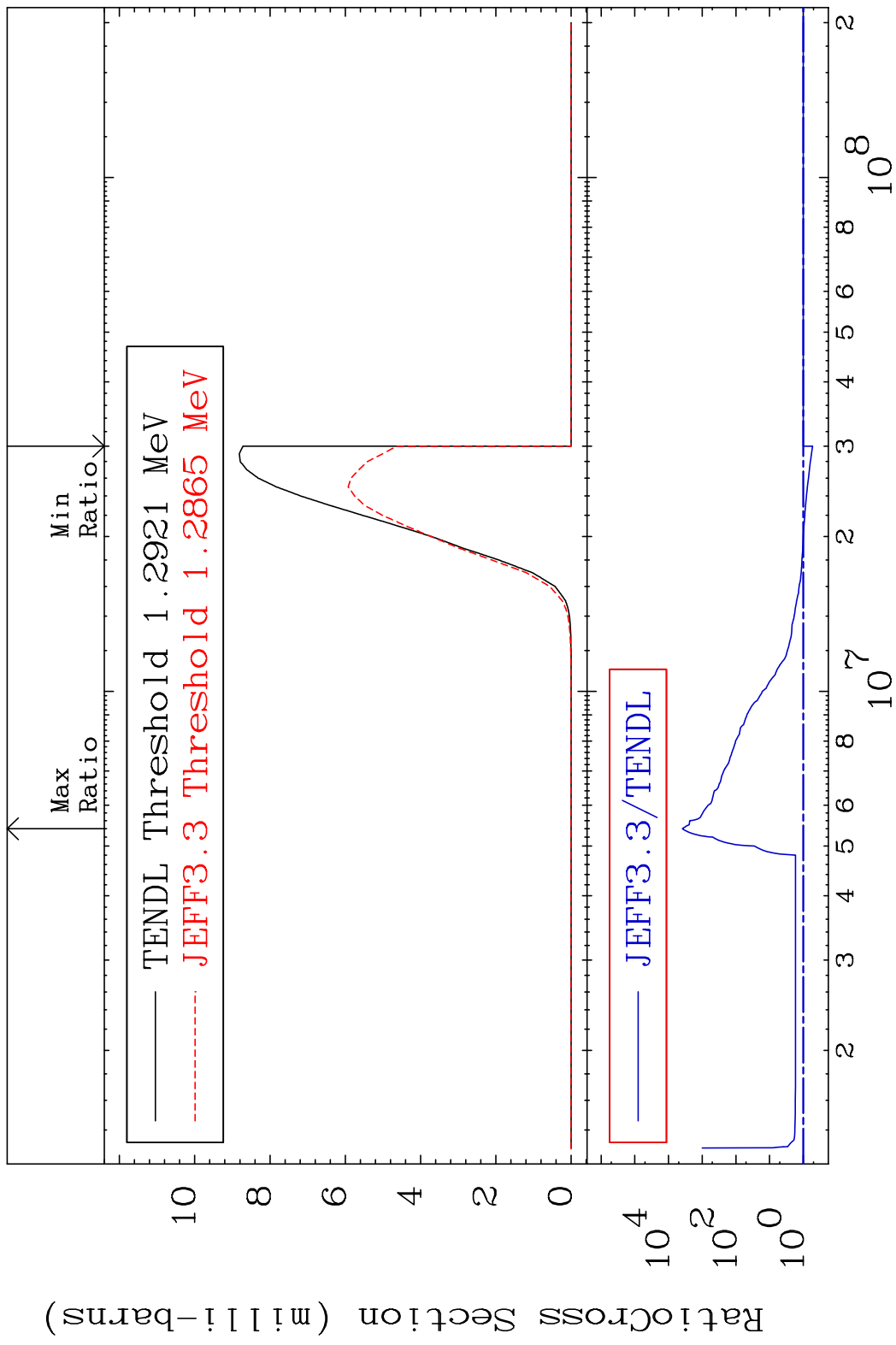


MAT 5634 (n,3n):56-Ba-131g 56-Ba-133
 Radionuclide Production Cross Section 1543. %

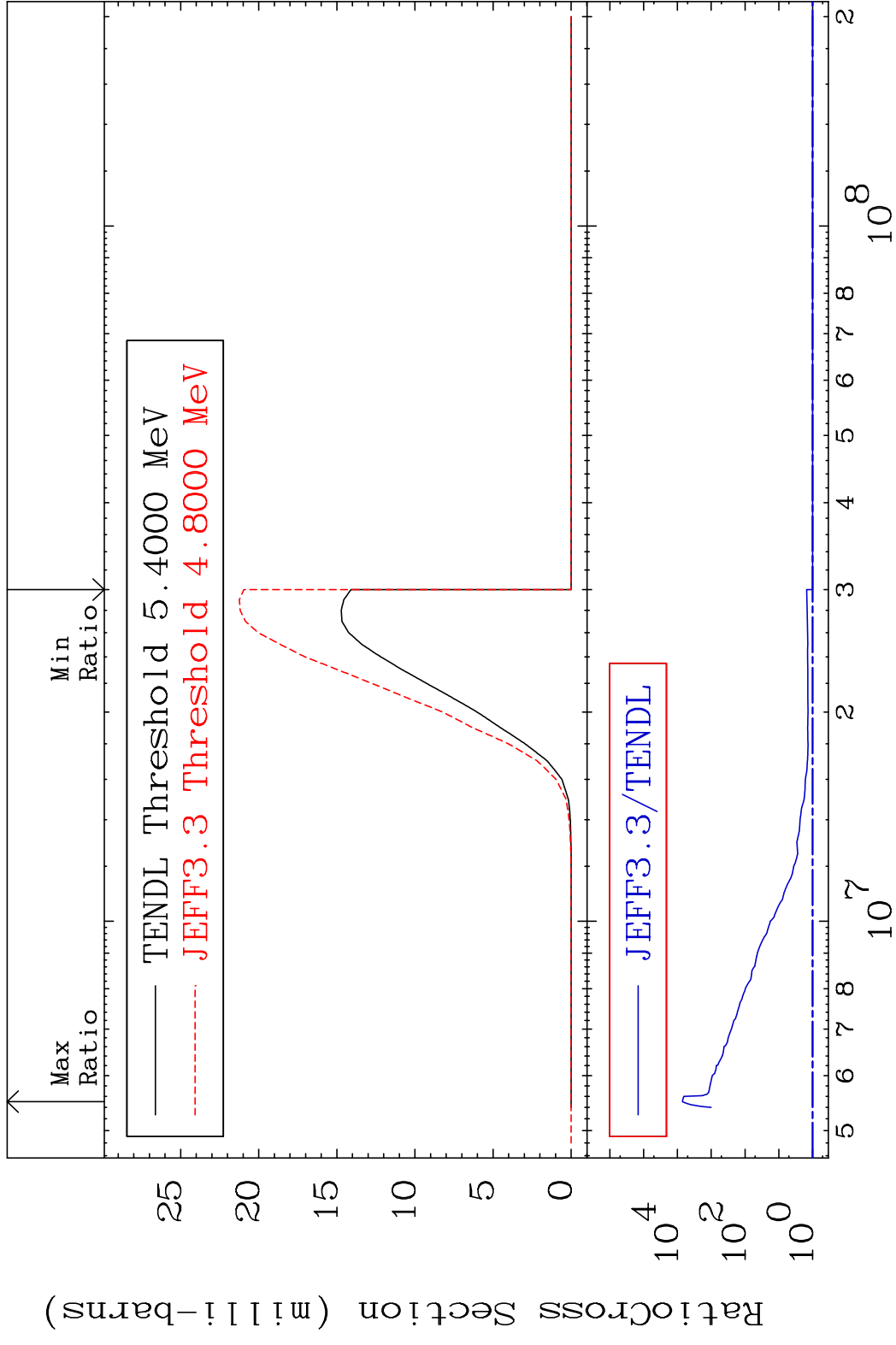




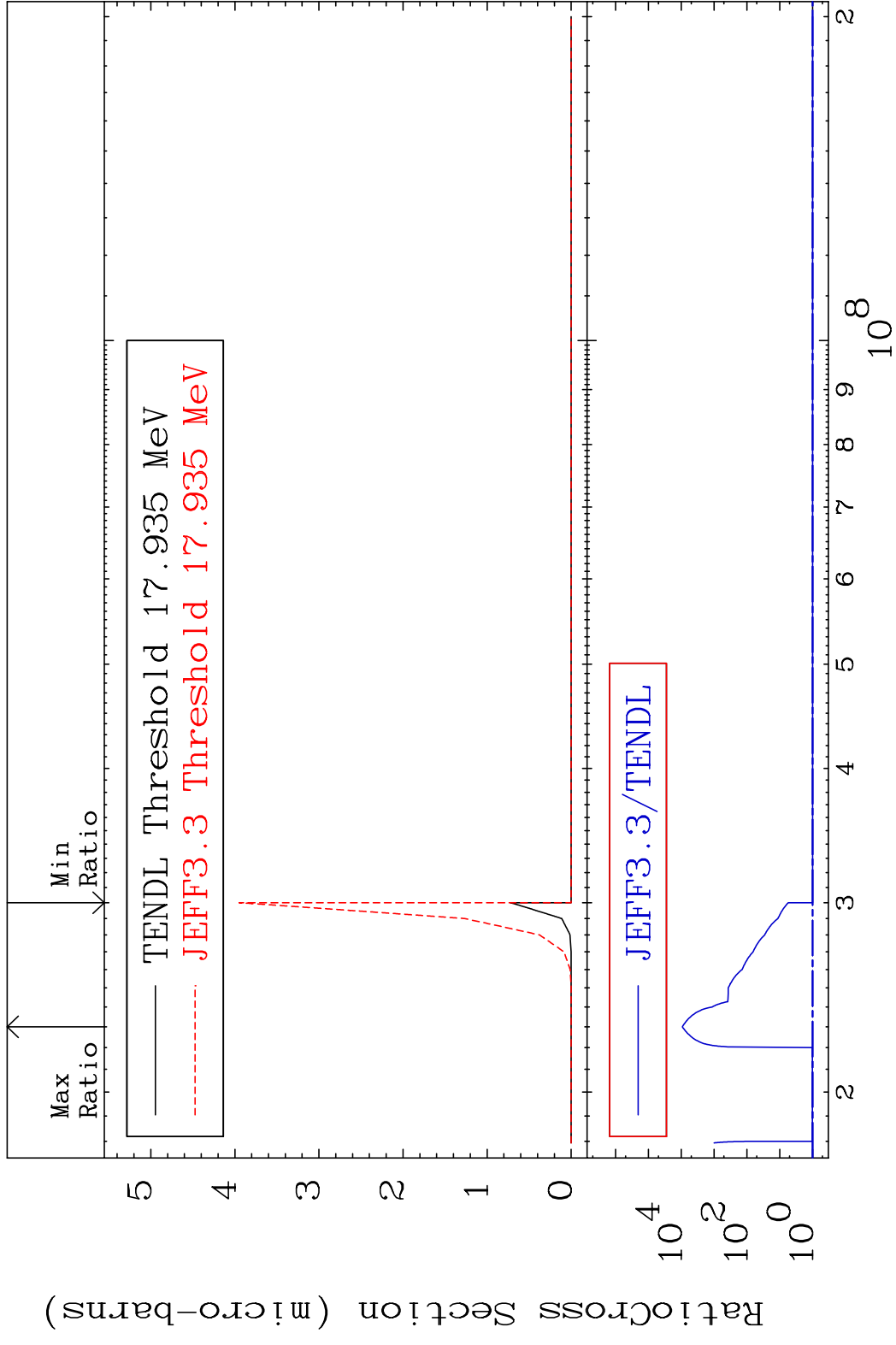
MAT 5634 (n, n') α :54-Xe-129g 56-Ba-133
 Radionuclide Production Cross Section to 9999. %



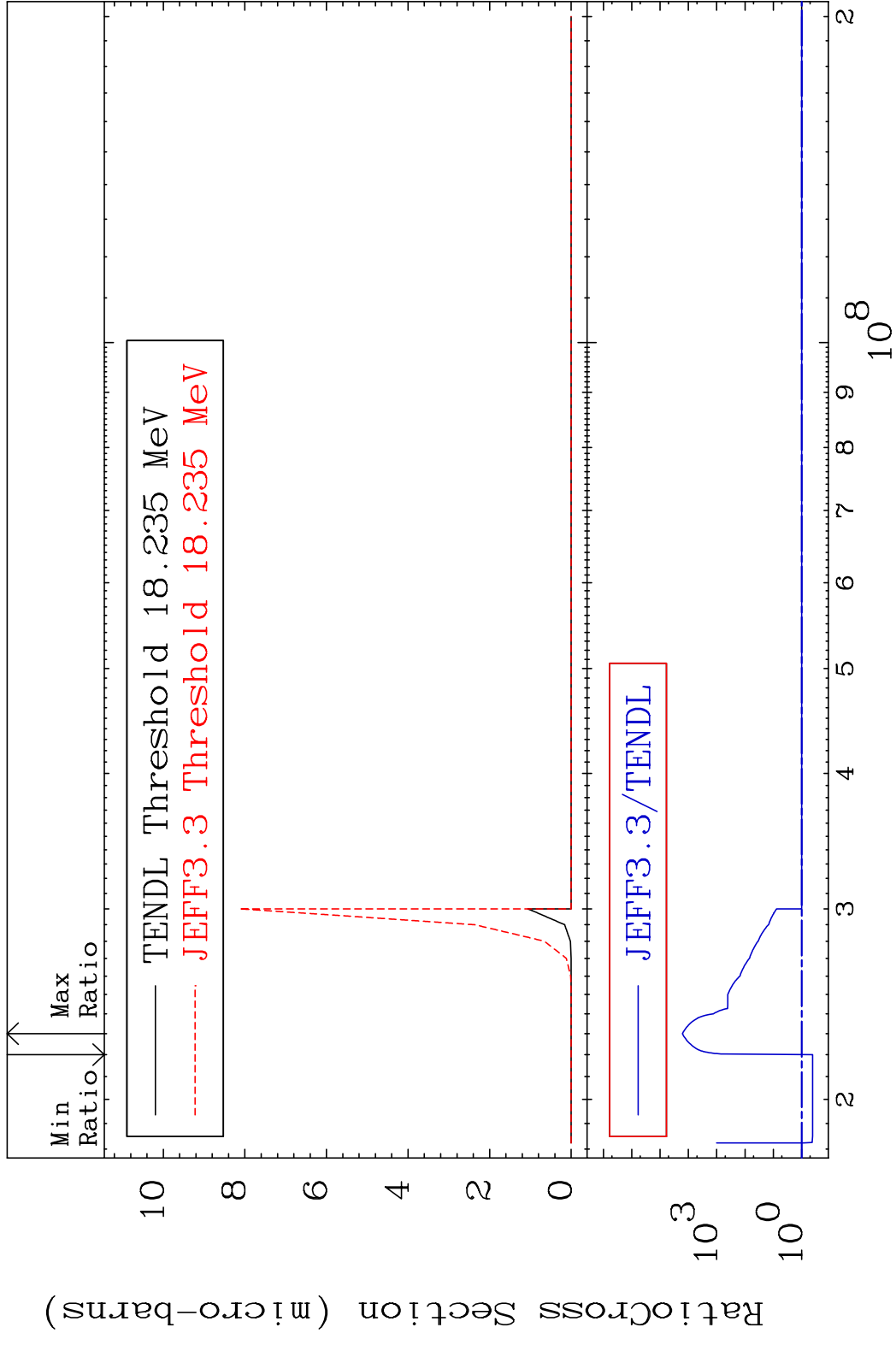
MAT 5634 (n, n') α :54-Xe-129m2 56-Ba-133
 Radionuclide Production Cross Section, %

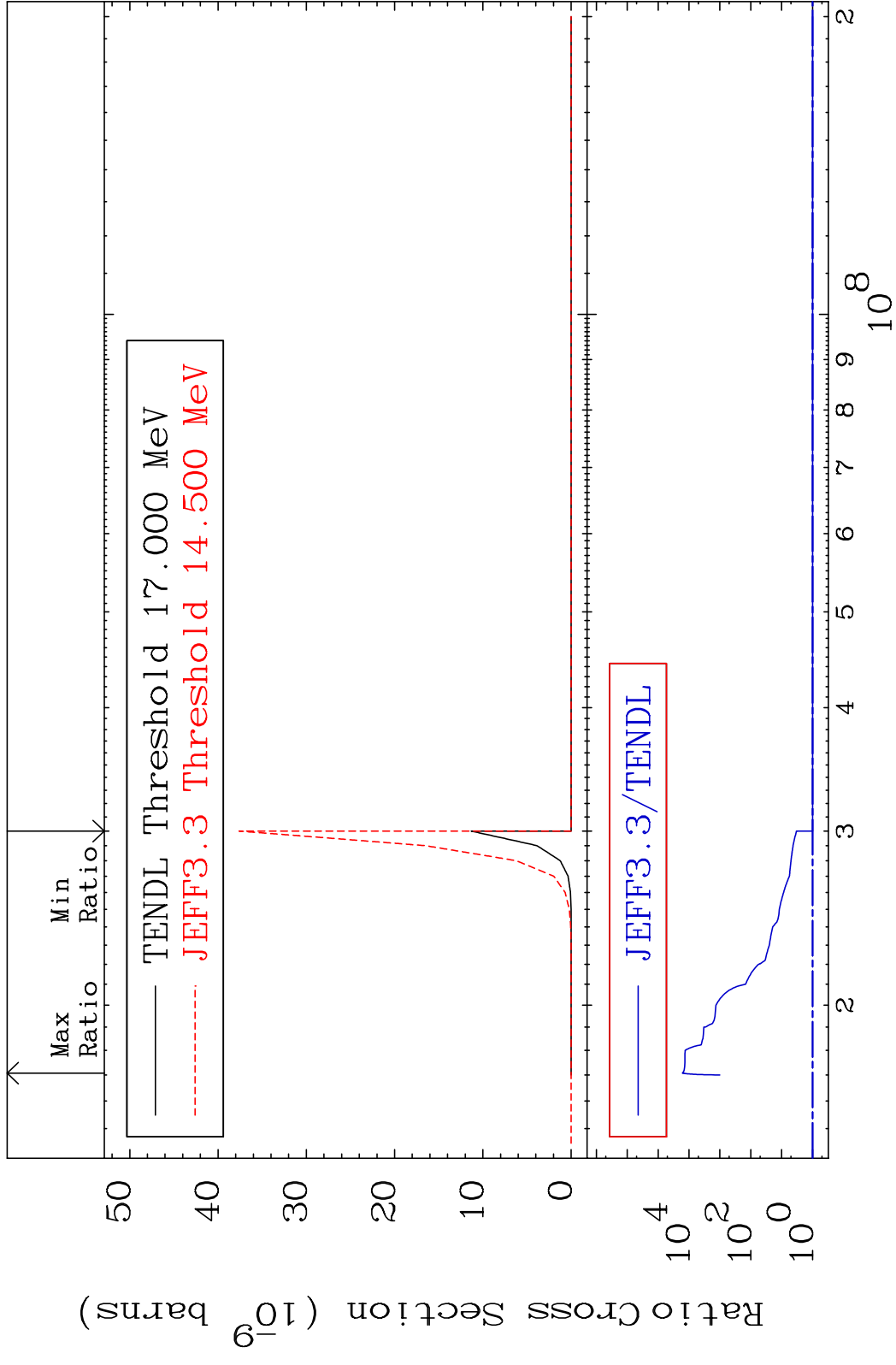


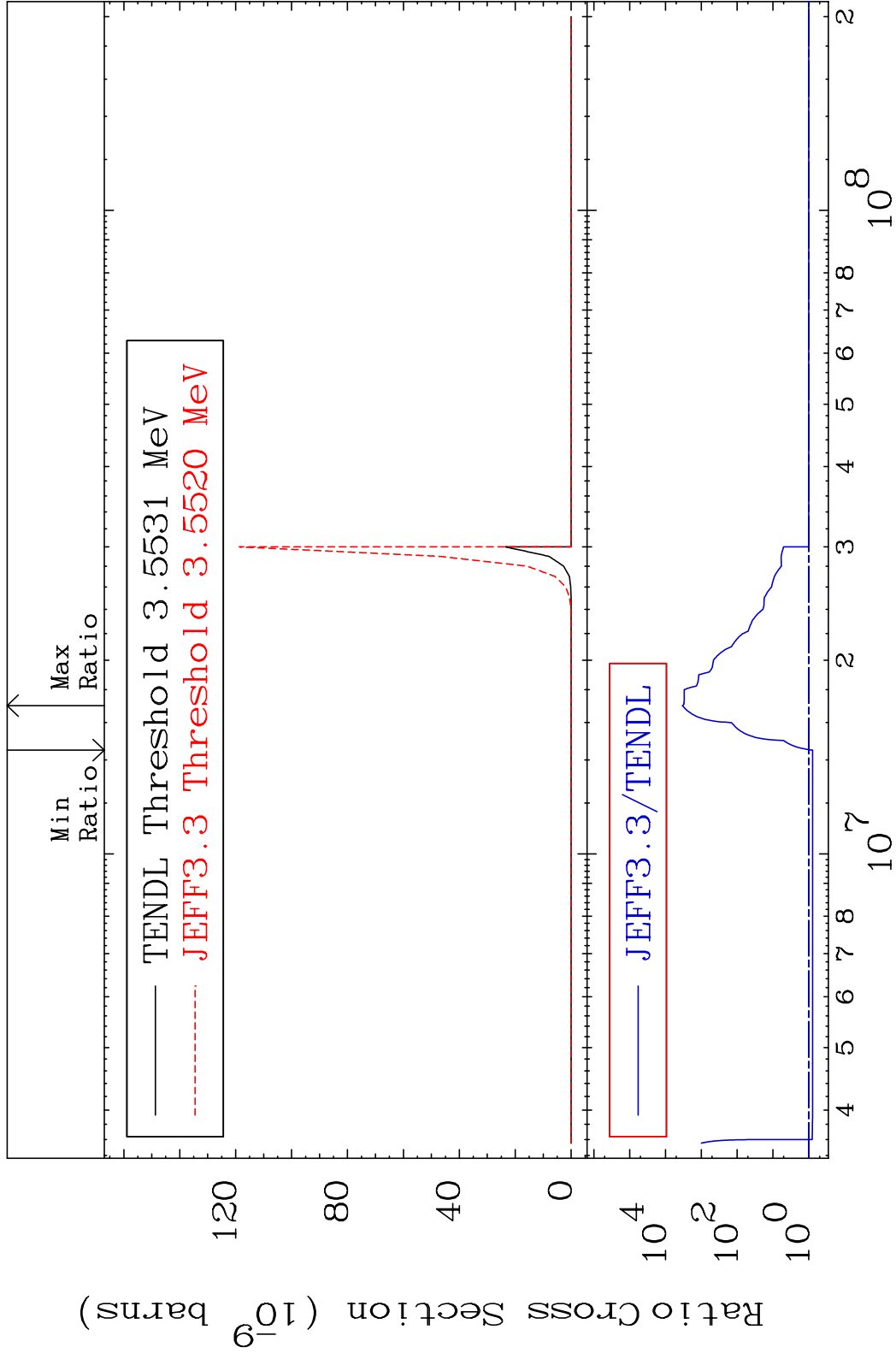
MAT 5634 (n,3n) α :54-Xe-127g 56-Ba-133
 Radionuclide Production Cross Section, %



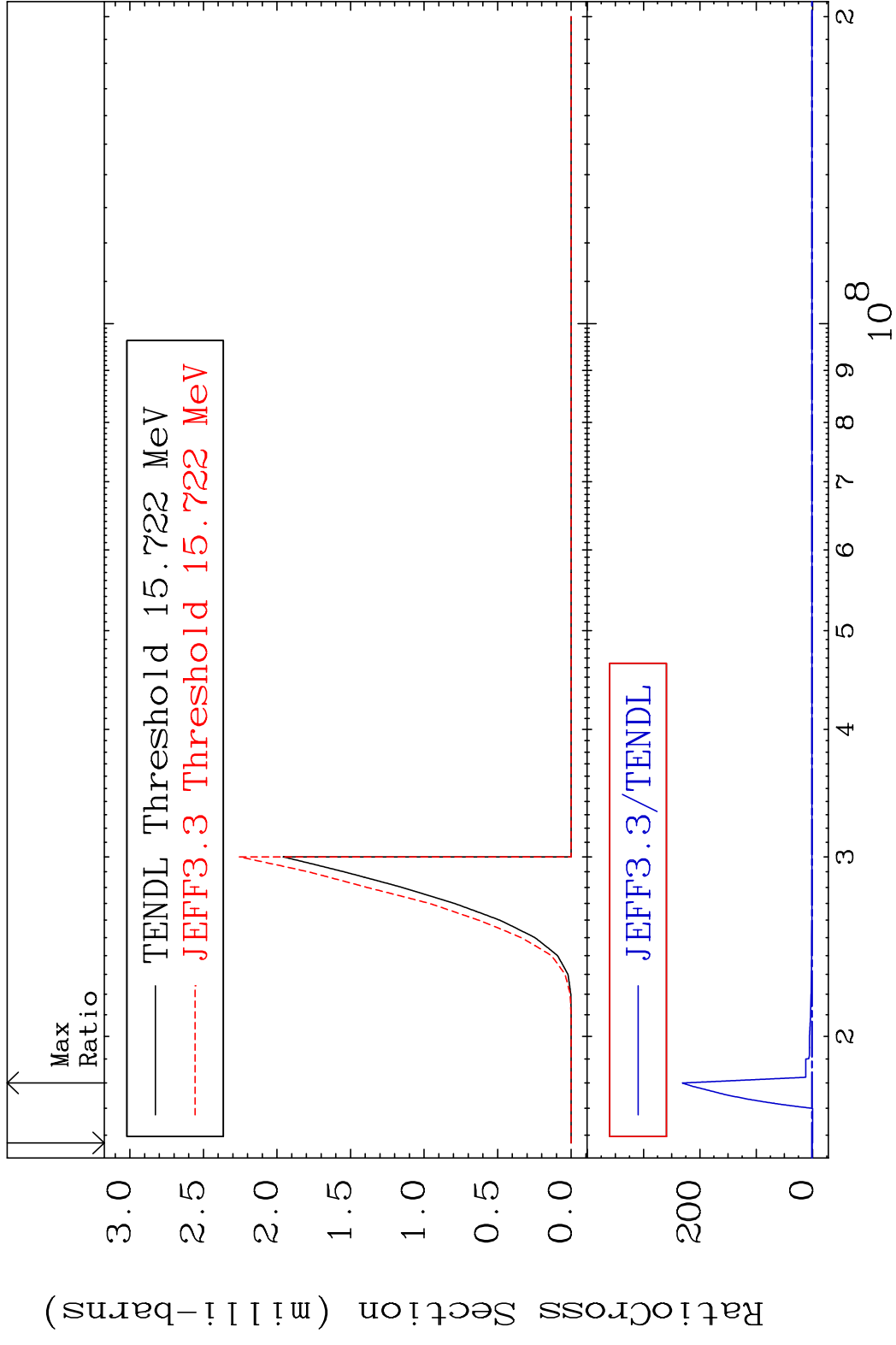
MAT 5634 (n,3n) α :54-Xe-127m2 56-Ba-133
 Radionuclide Production Cross Section to 9999. %



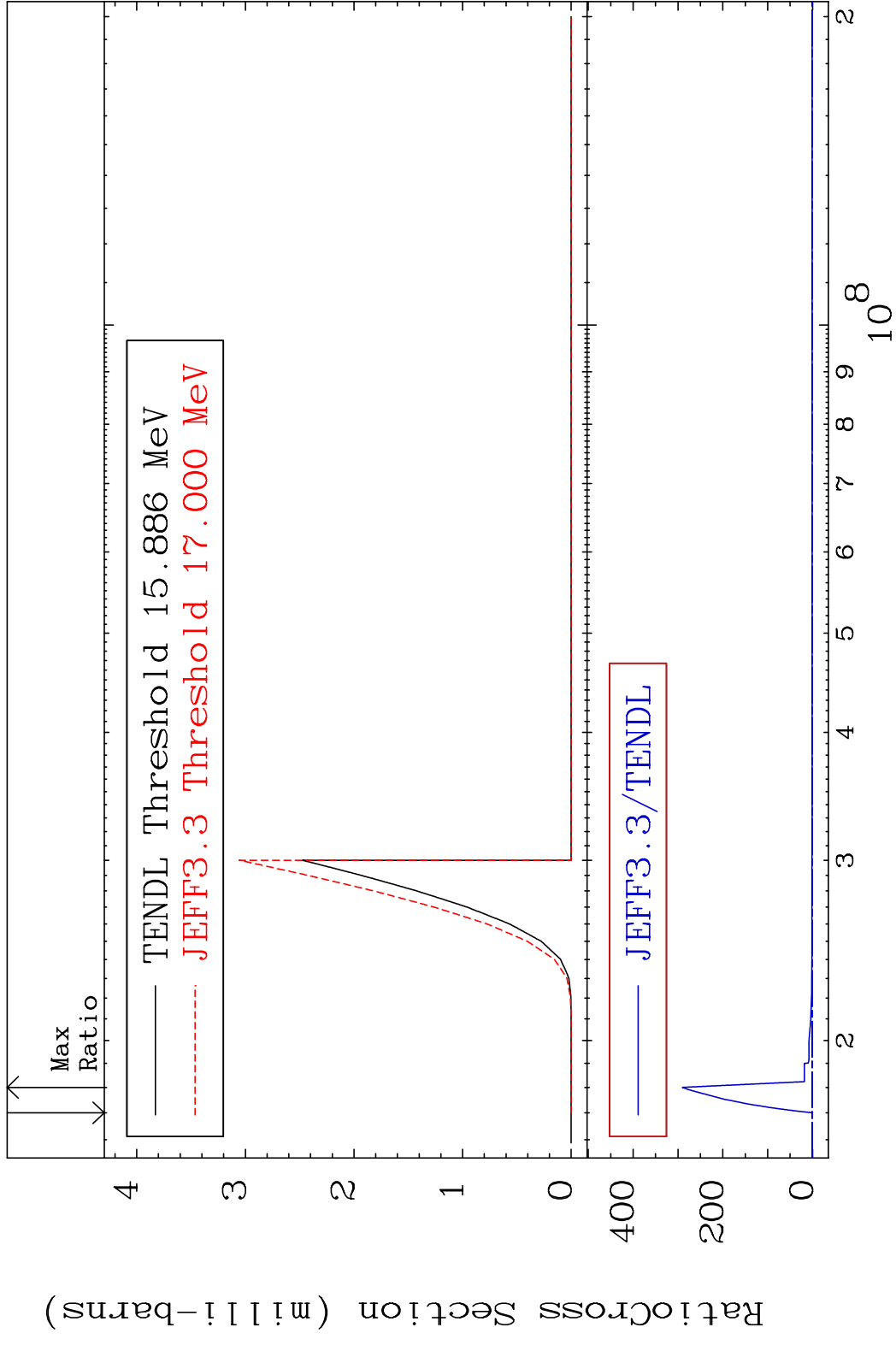




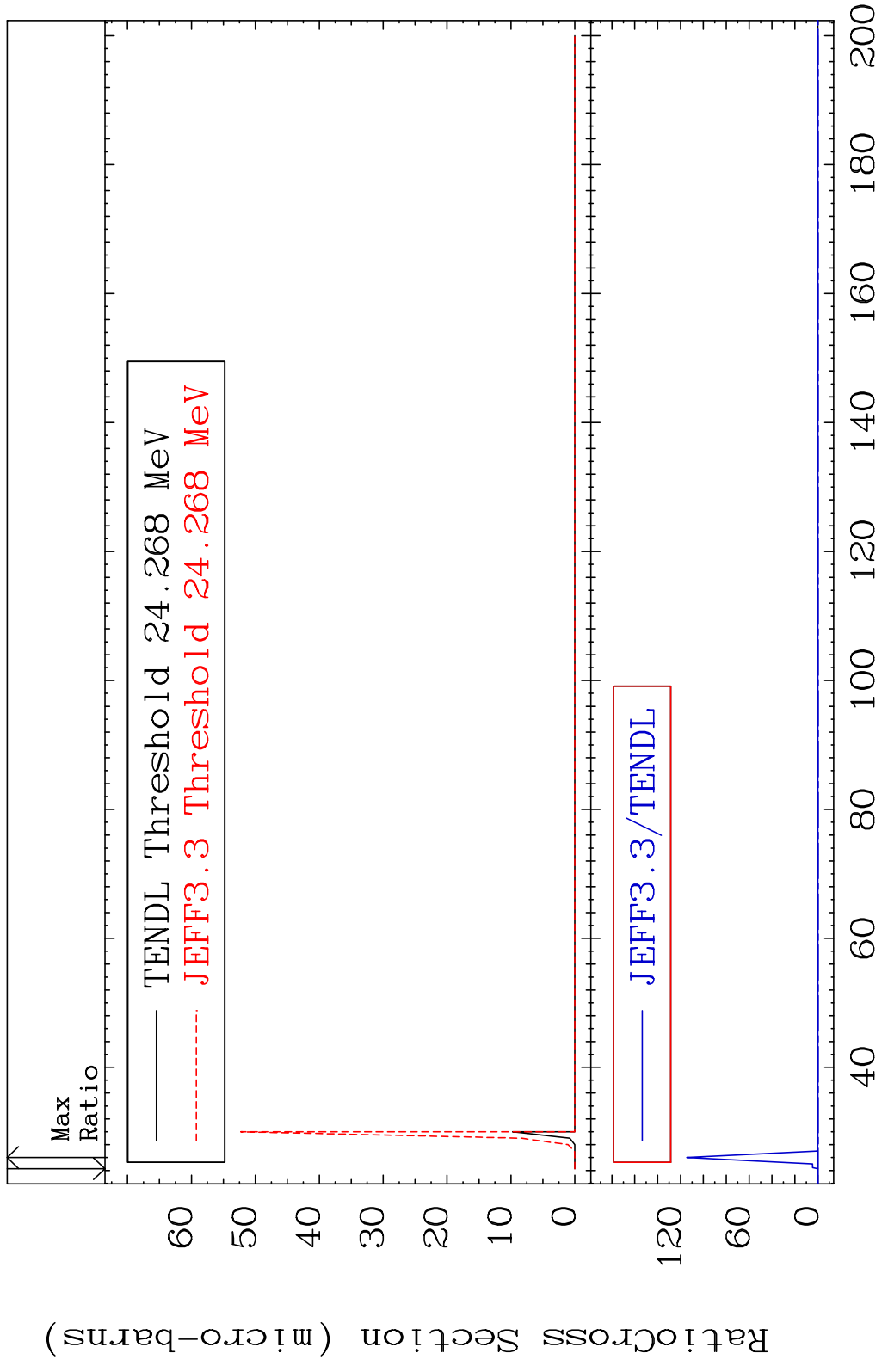
MAT 5634 (n, n') t:55-Cs-130g 56-Ba-133
 Radionuclide Production Cross Section 100.00 %

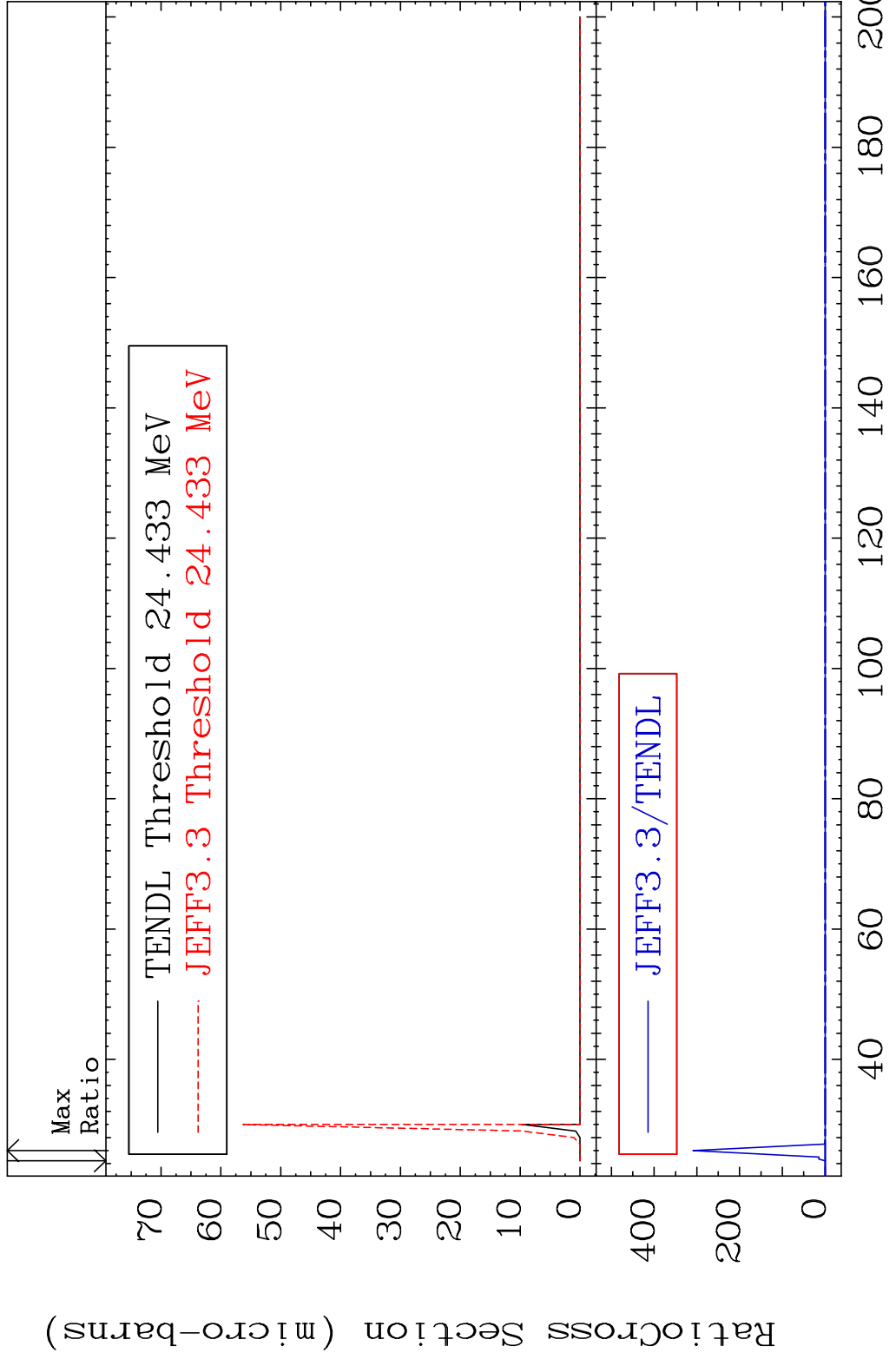


MAT 5634 (n, n') t:55-Cs-130m4 56-Ba-133
 Radionuclide Production Cross Section Ratio 9999. %

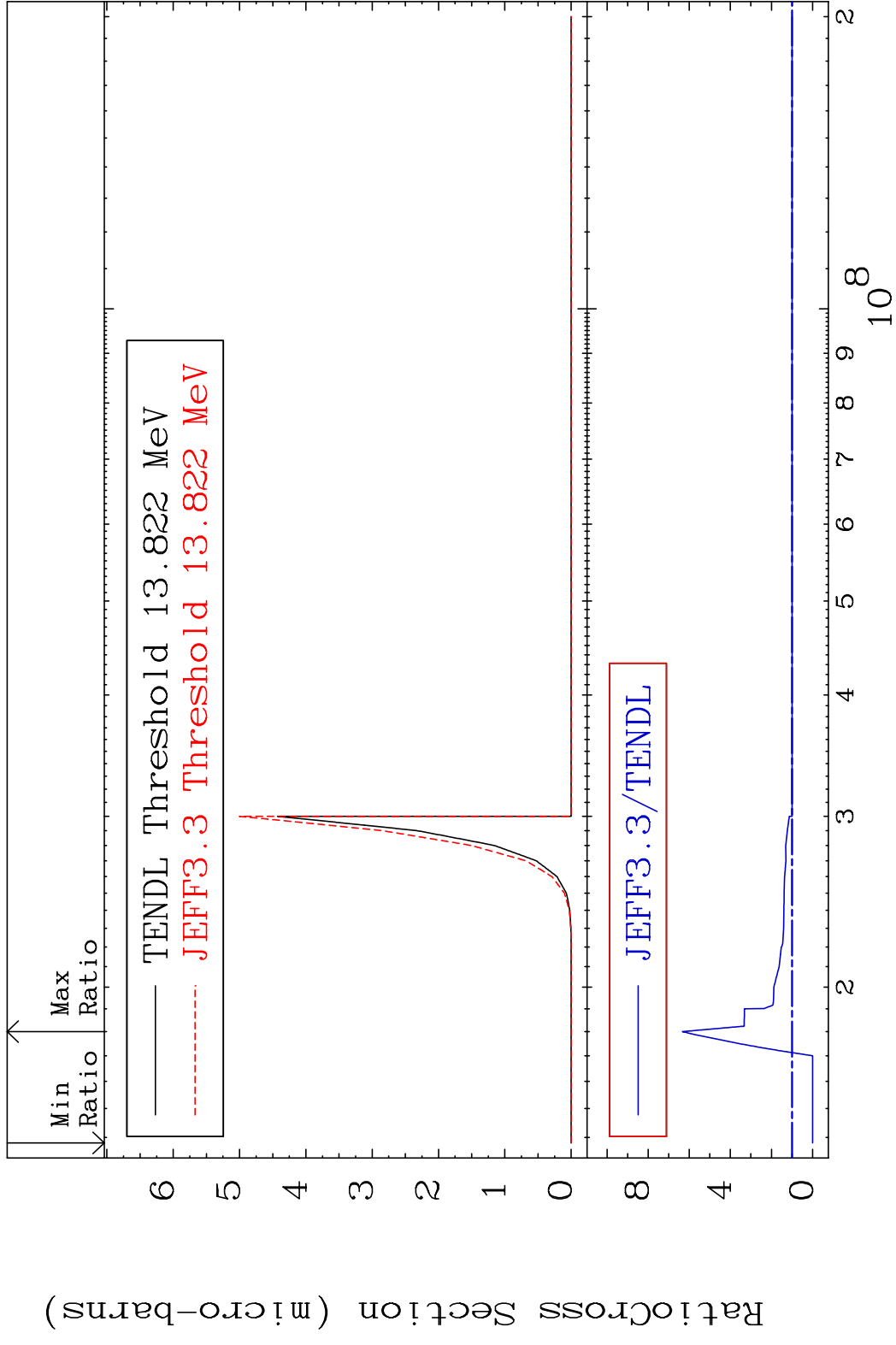


MAT 5634 (n,3n) p:55-Cs-130g 56-Ba-133
 Radionuclide Production Cross Section (%)

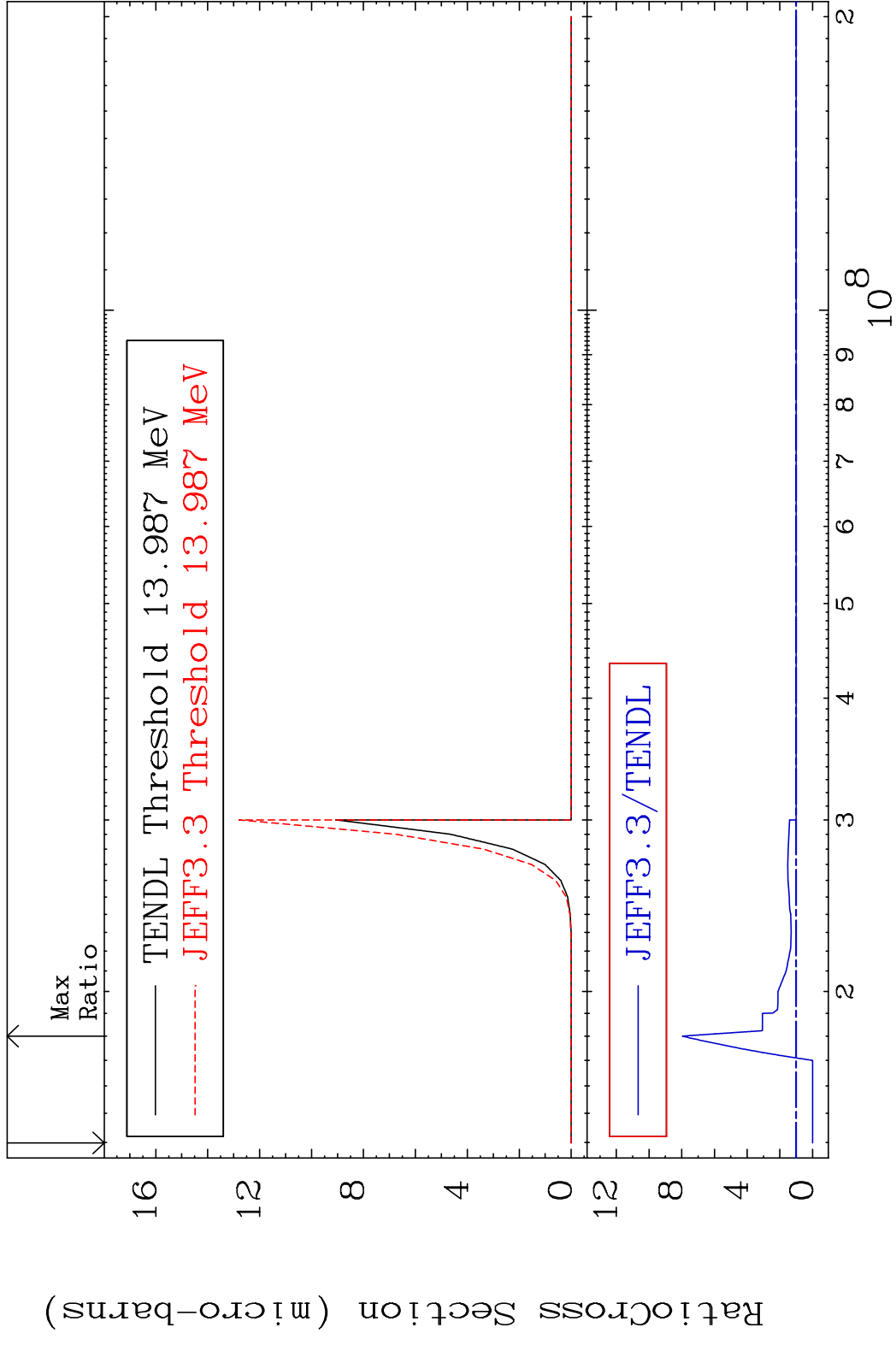


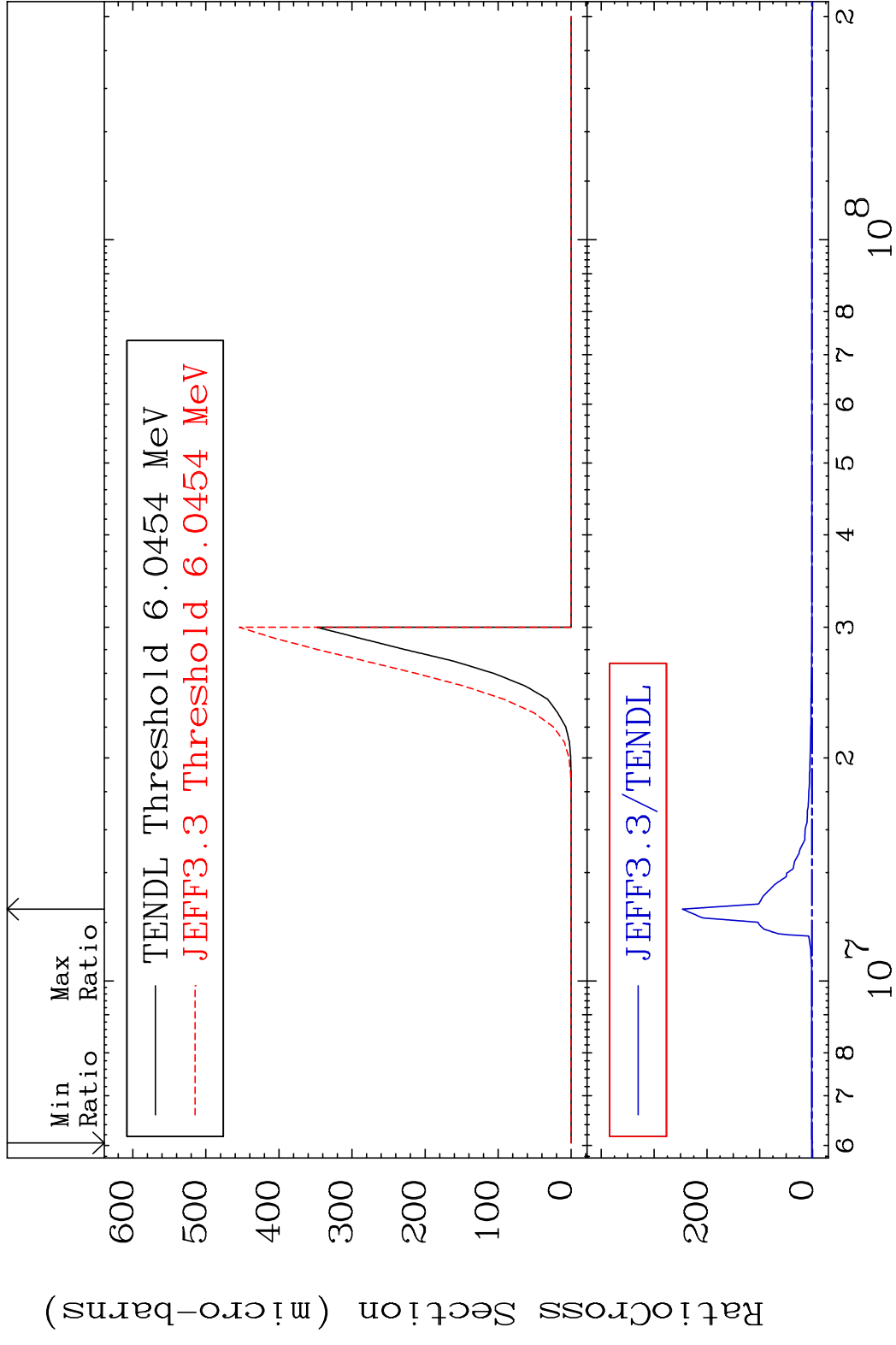


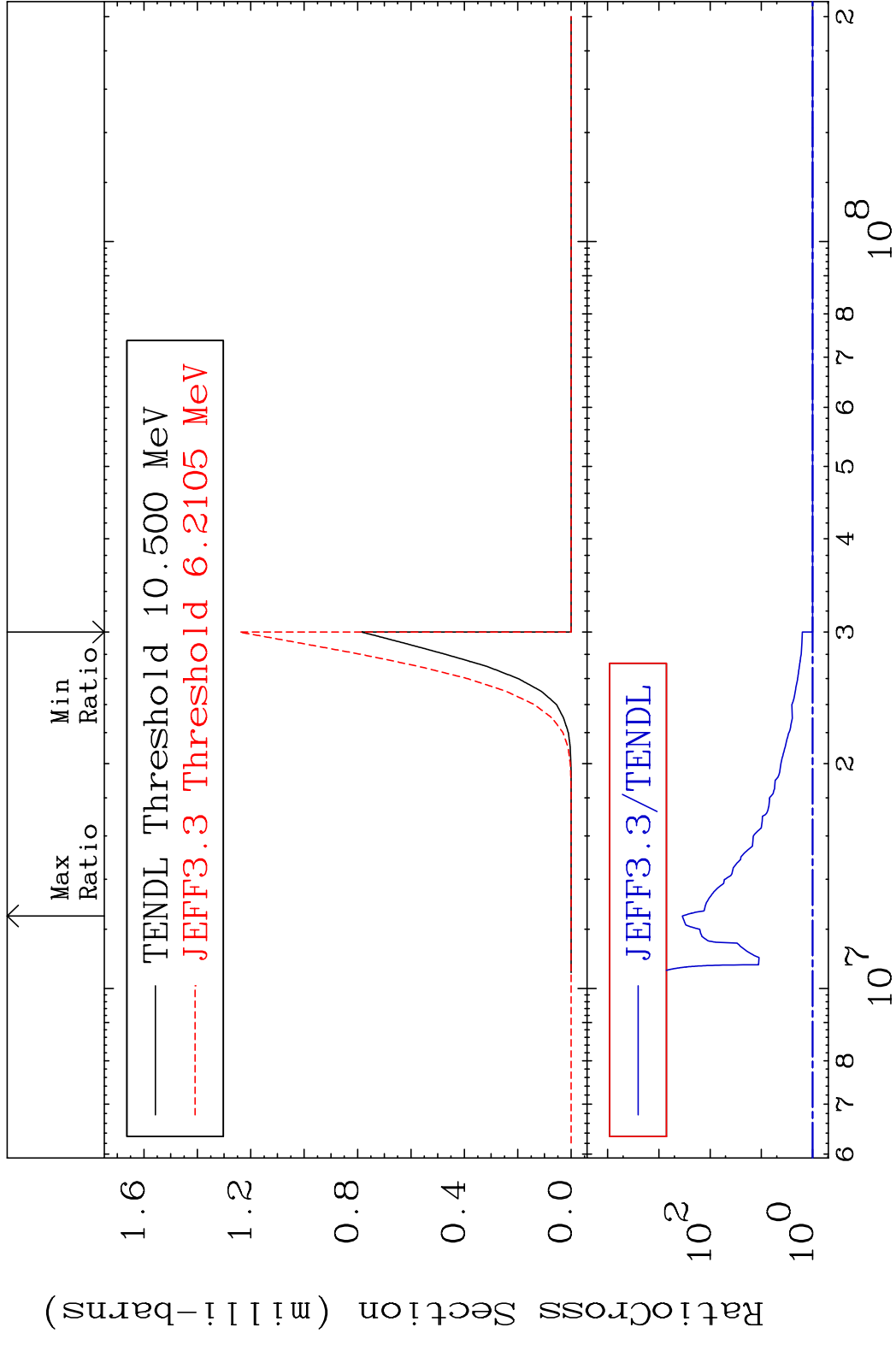
MAT 5634 (n,2n) p:54-Xe-131g 56-Ba-133
 Radionuclide Production Cross Section 180.01 dth 533.7 %

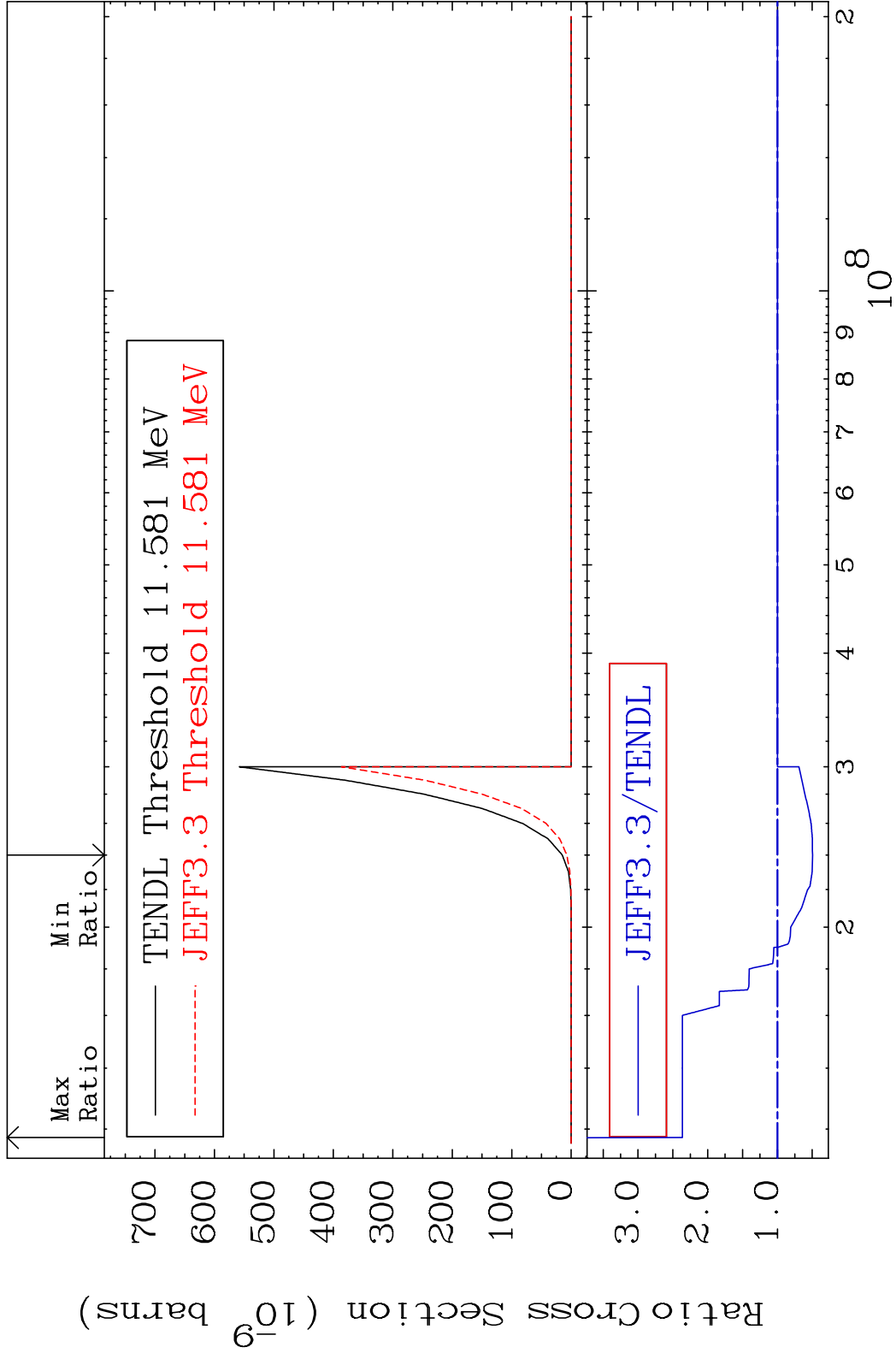


MAT 5634 (n,2n) p:54-Xe-131m2 56-Ba-133
 Radionuclide Production Cross Section 130.01 dth 696.2 %









MAT 5634 (n, p) d:54-Xe-131m2 56-Ba-133
 Radionuclide Production Cross Section 180.01 dth 175.1 %

