

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

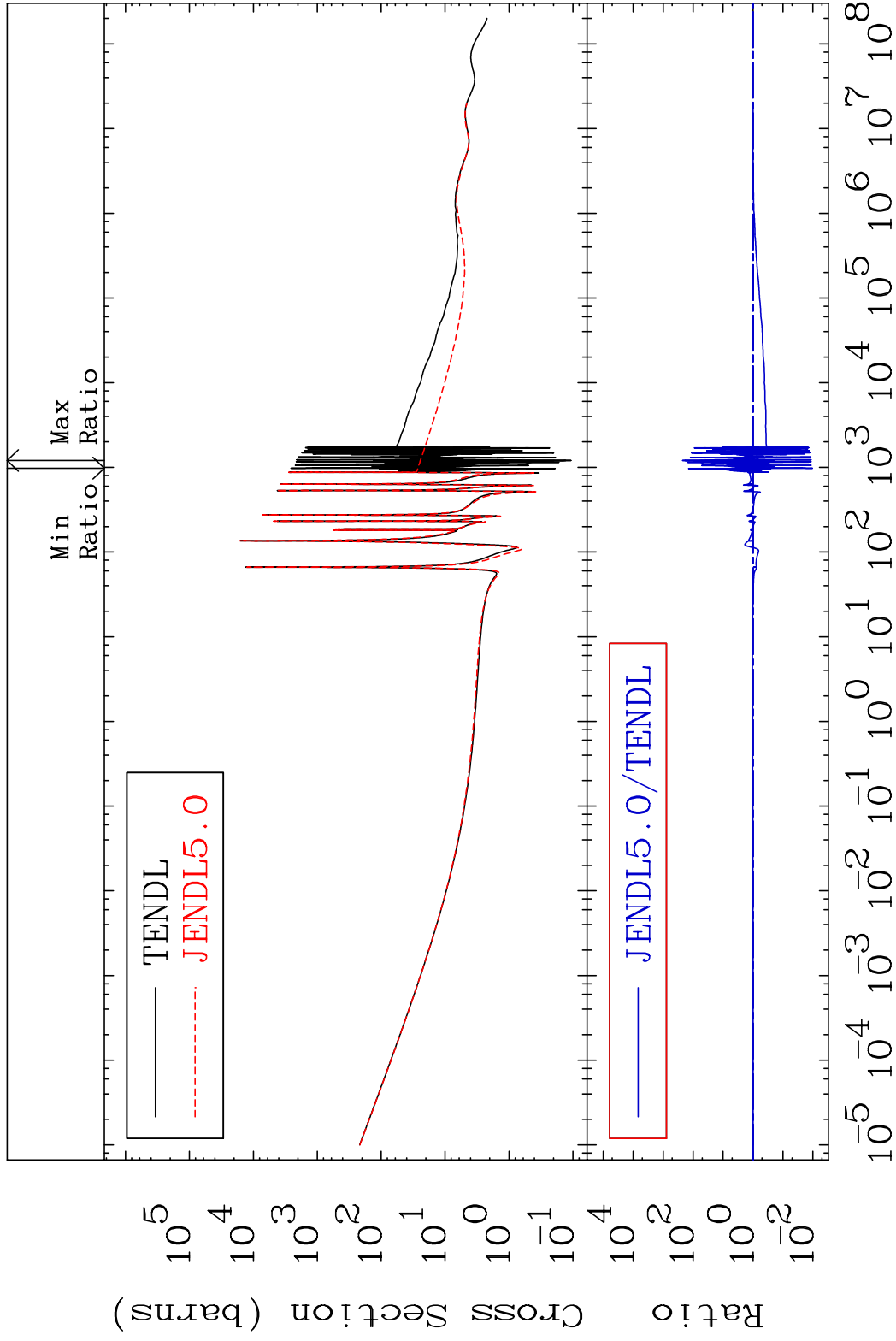
MAT 5825

Total

58-Ce-136

Cross Section

-98.97 To 9999. %



1

Incident Energy (eV)

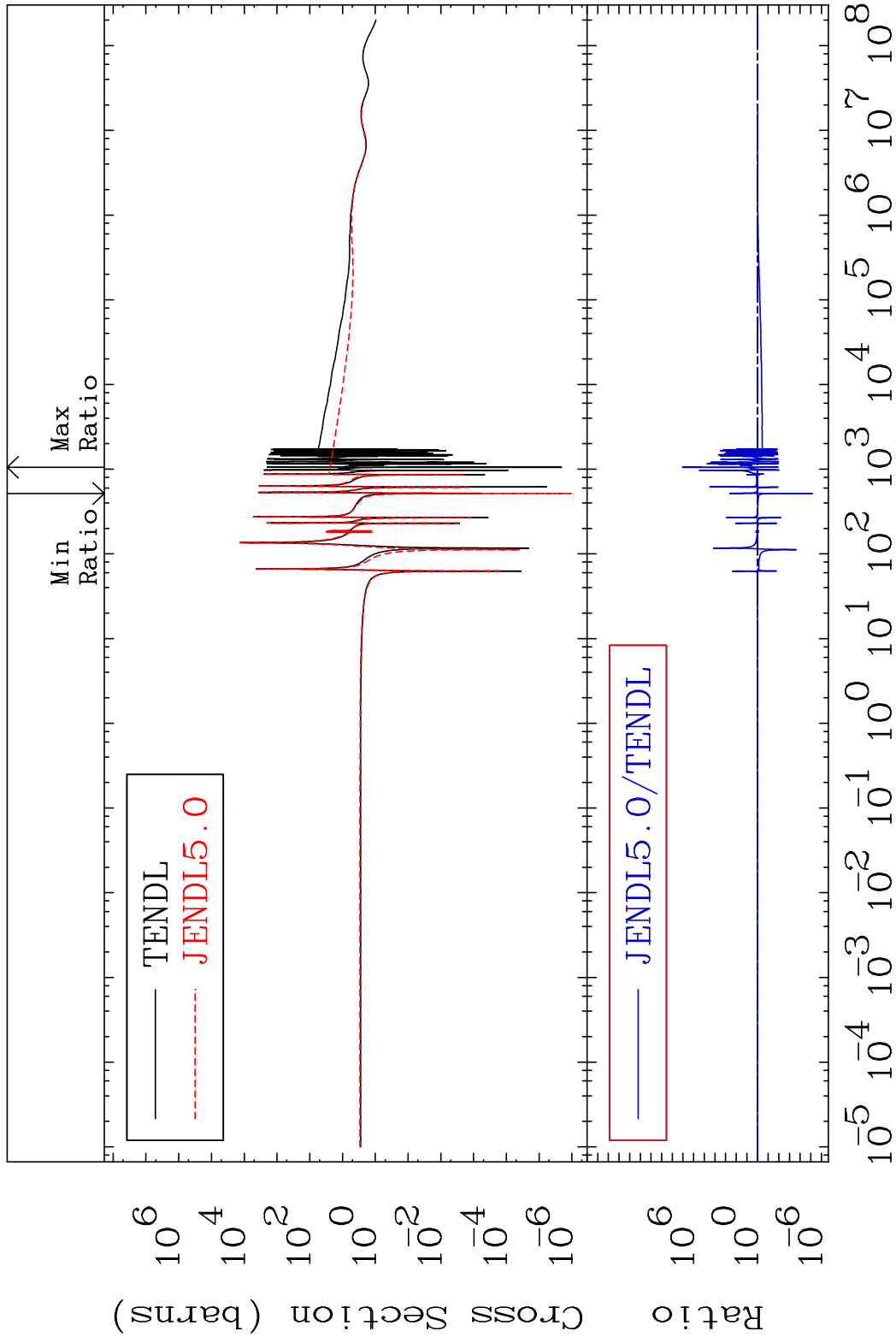
58-Ce-136

MAT 5825

Elastic

58-Ce-136

Cross Section -100.0 To 9999. %



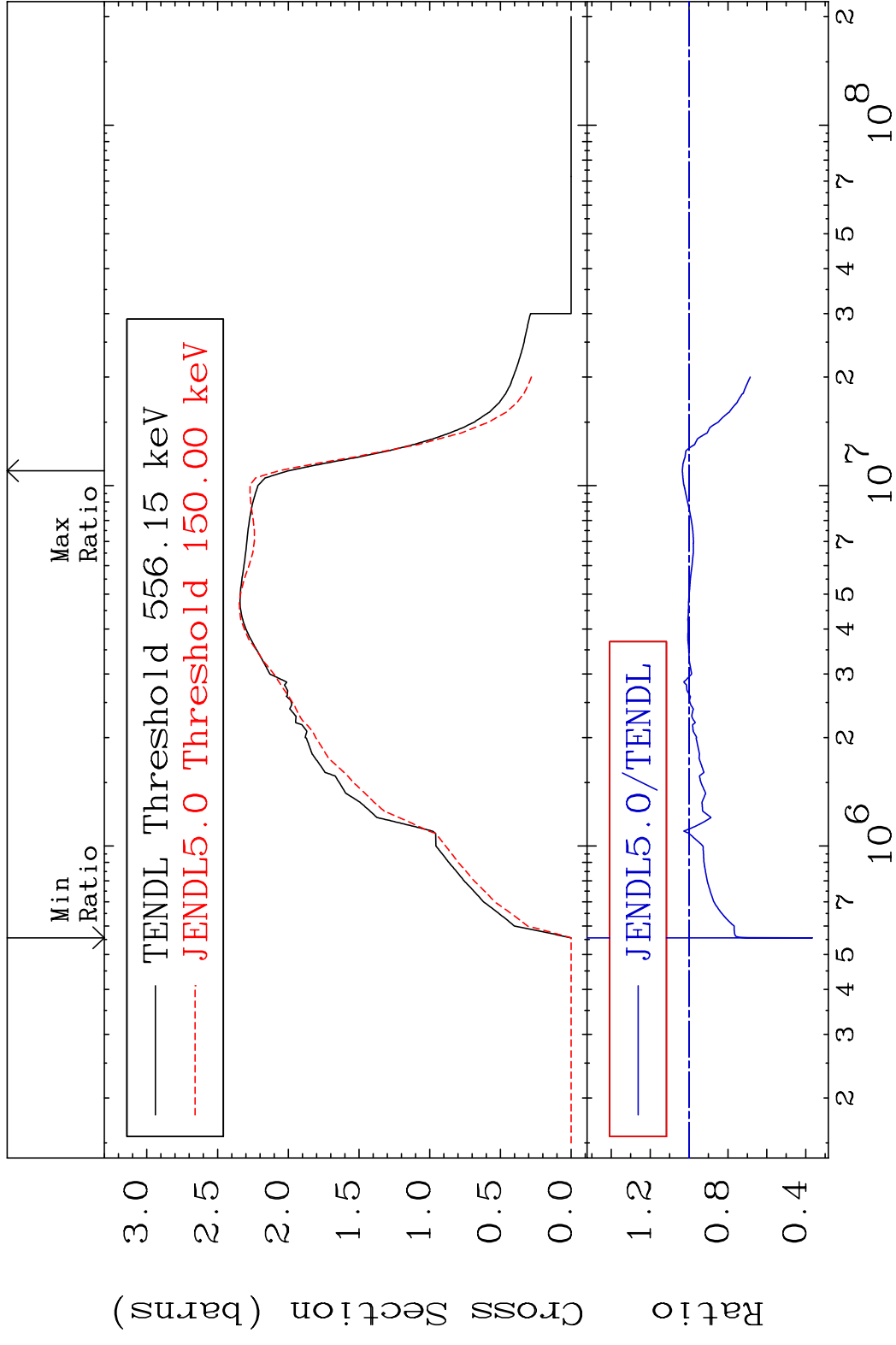
JENDL5.0/TENDL

2

Incident Energy (eV)

58-Ce-136

MAT 5825 Inelastic 58-Ce-136
 Cross Section -63.53 To 3.429 %

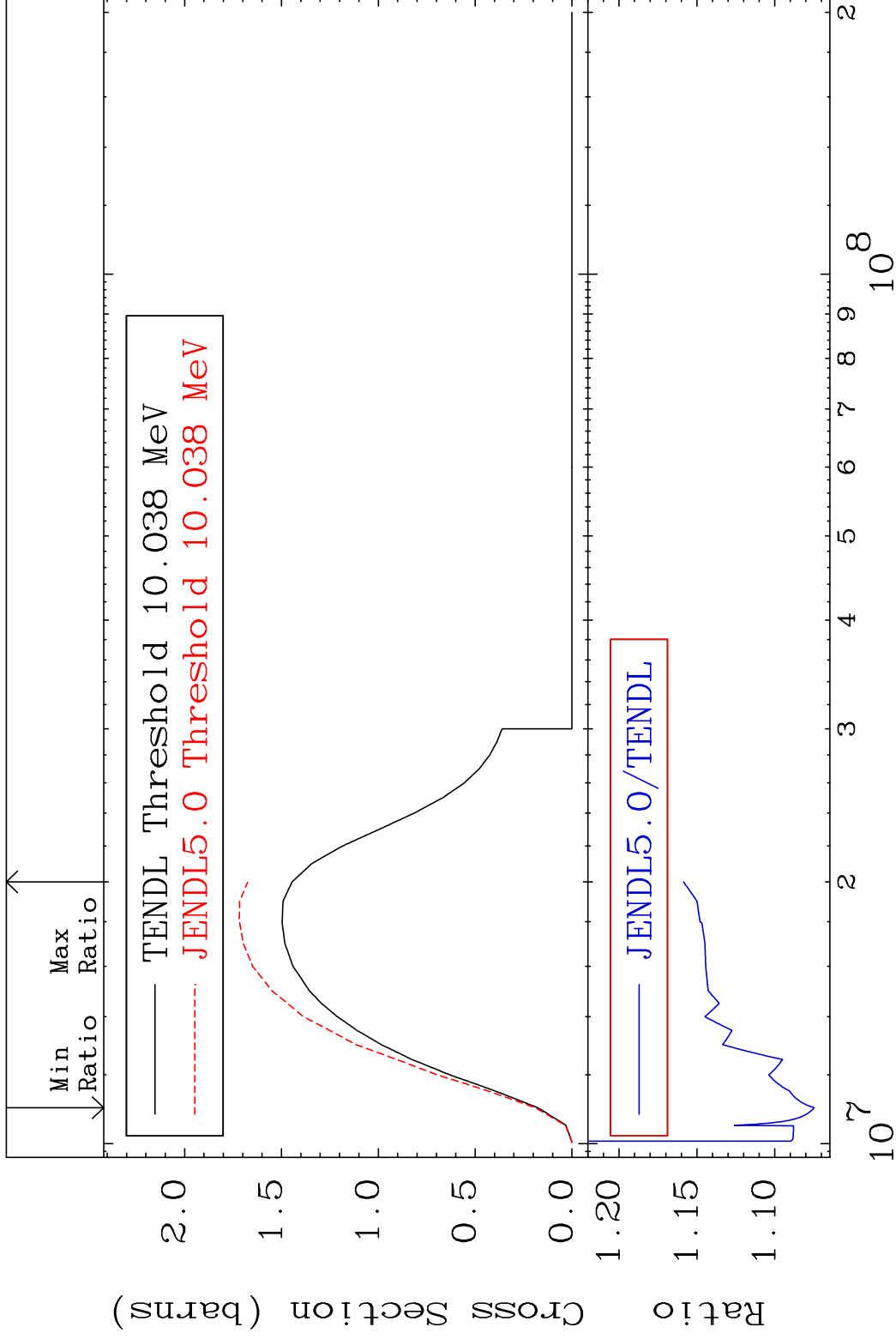


MAT 5825

(n,2n)

58-Ce-136

Cross Section 7.477 To 15.86 %



4

Incident Energy (eV)

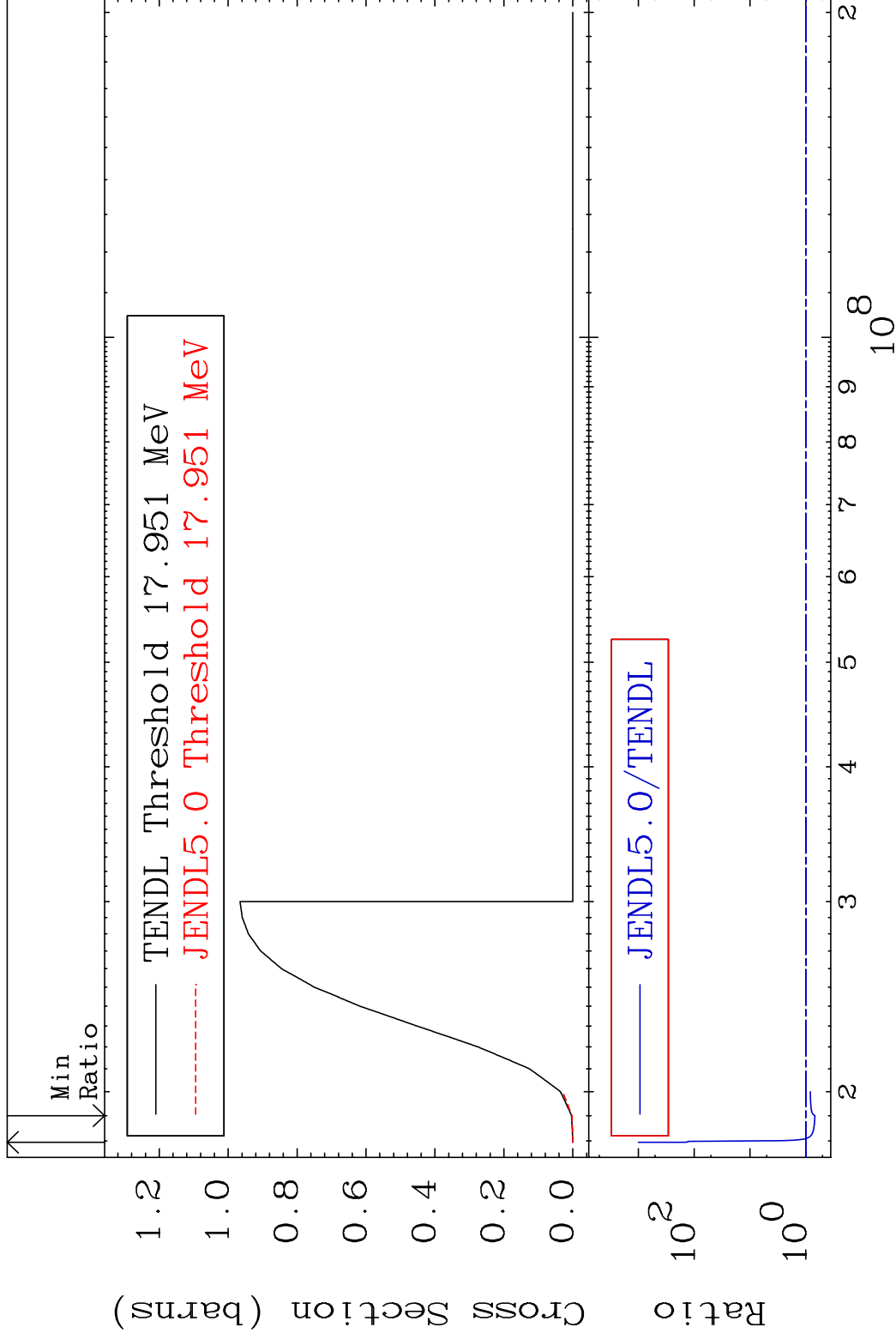
58-Ce-136

MAT 5825

(n,3n)

58-Ce-136

Cross Section -31.38 To 9999. %

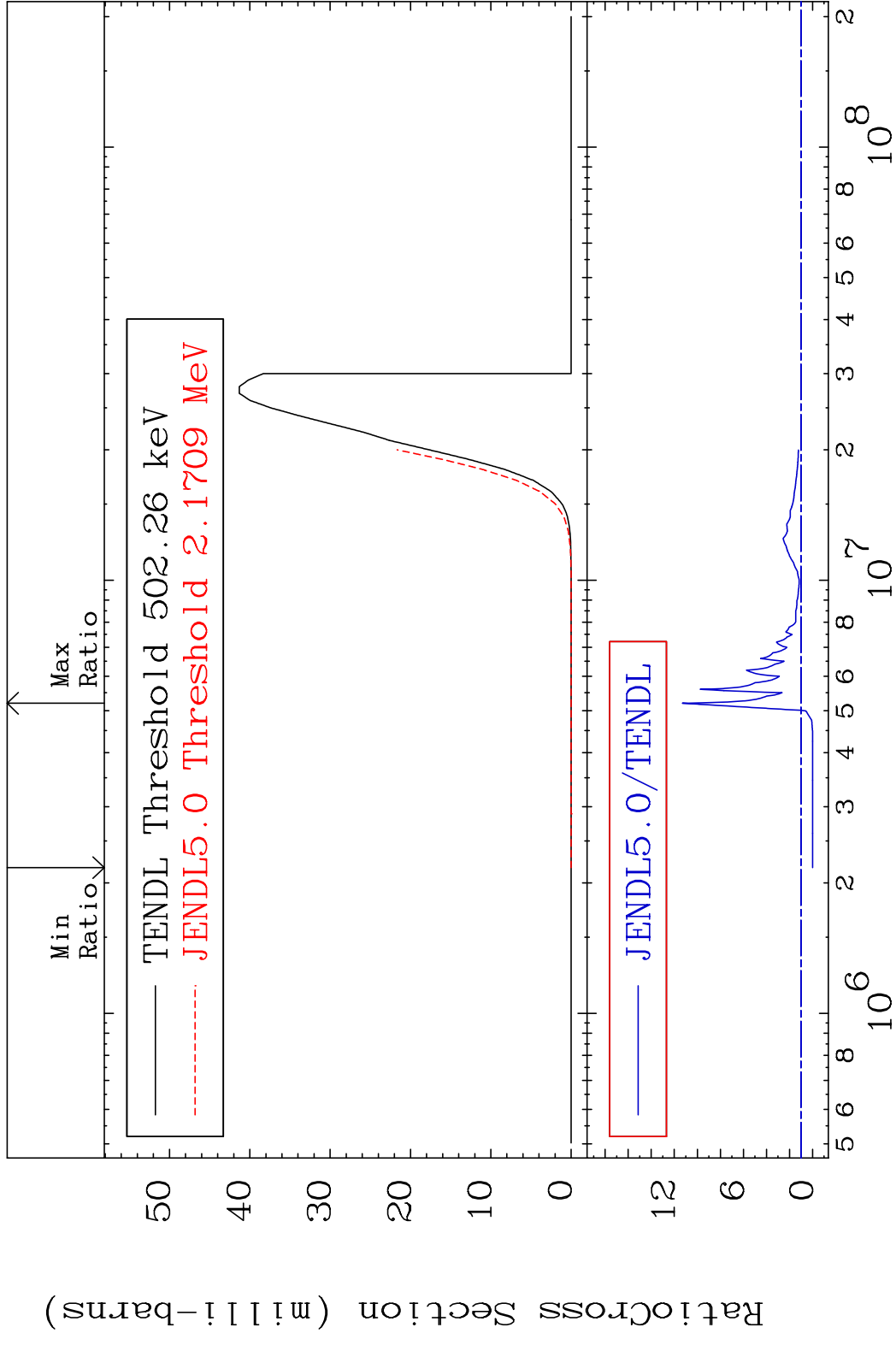


5

Incident Energy (eV)

58-Ce-136

MAT 5825 (n, n') α 58-Ce-136
 Cross Section -100.0 To 1030. %



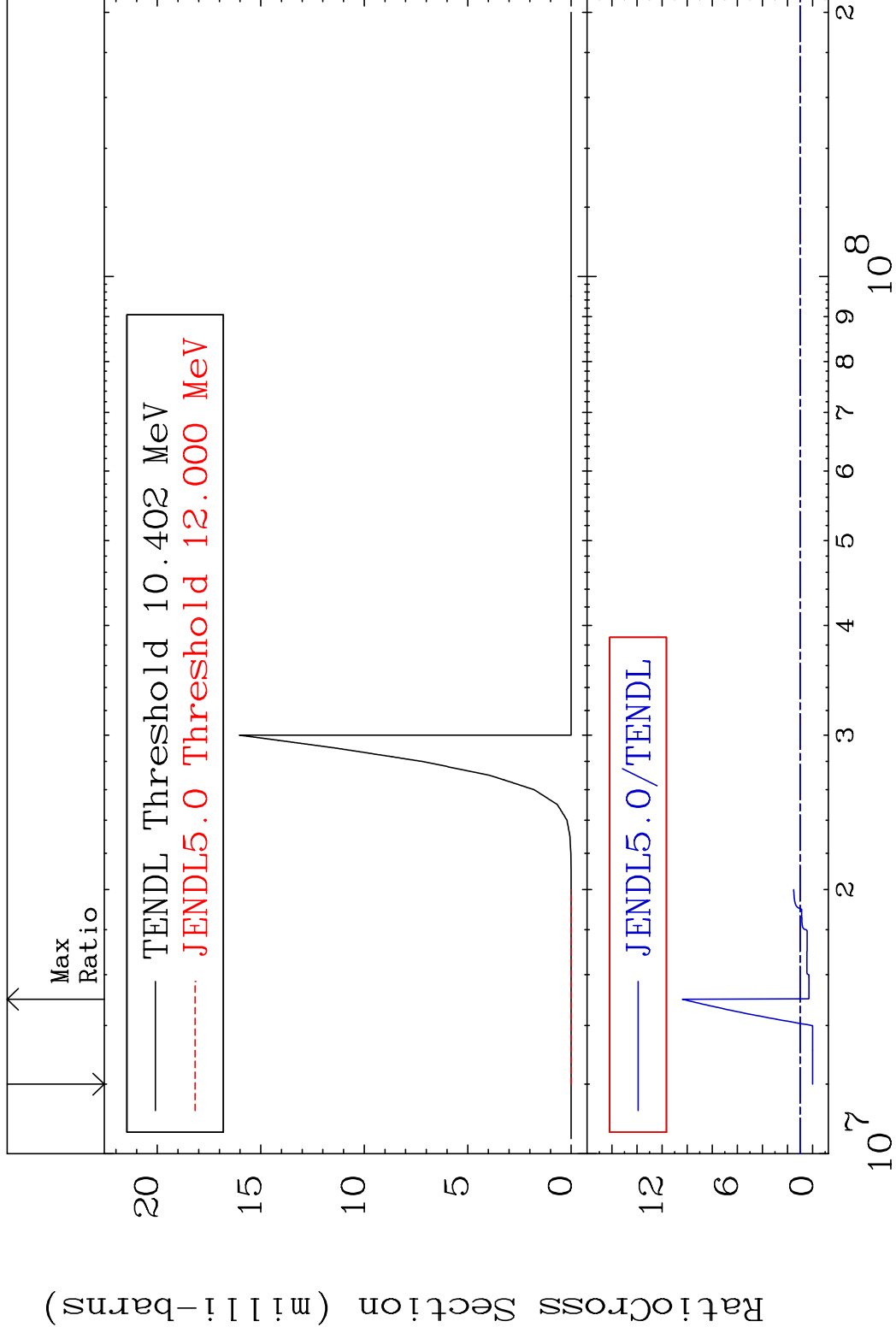
6 Incident Energy (eV) 58-Ce-136

MAT 5825

(n,2n) α

58-Ce-136

Cross Section -100.0 To 937.9 %



7

Incident Energy (eV)

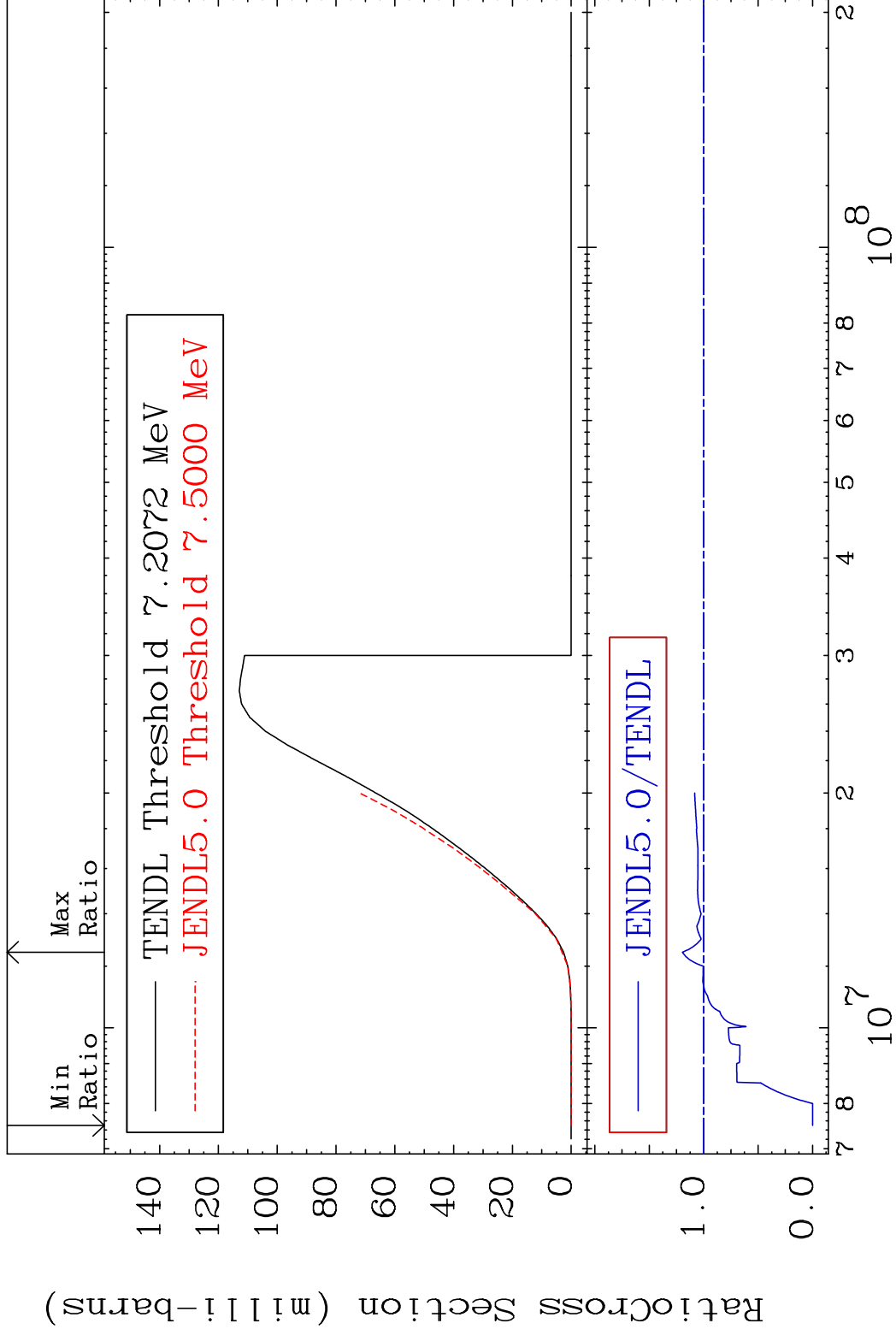
58-Ce-136

MAT 5825

(n, n') p

58-Ce-136

Cross Section -100.0 To 19.59 %

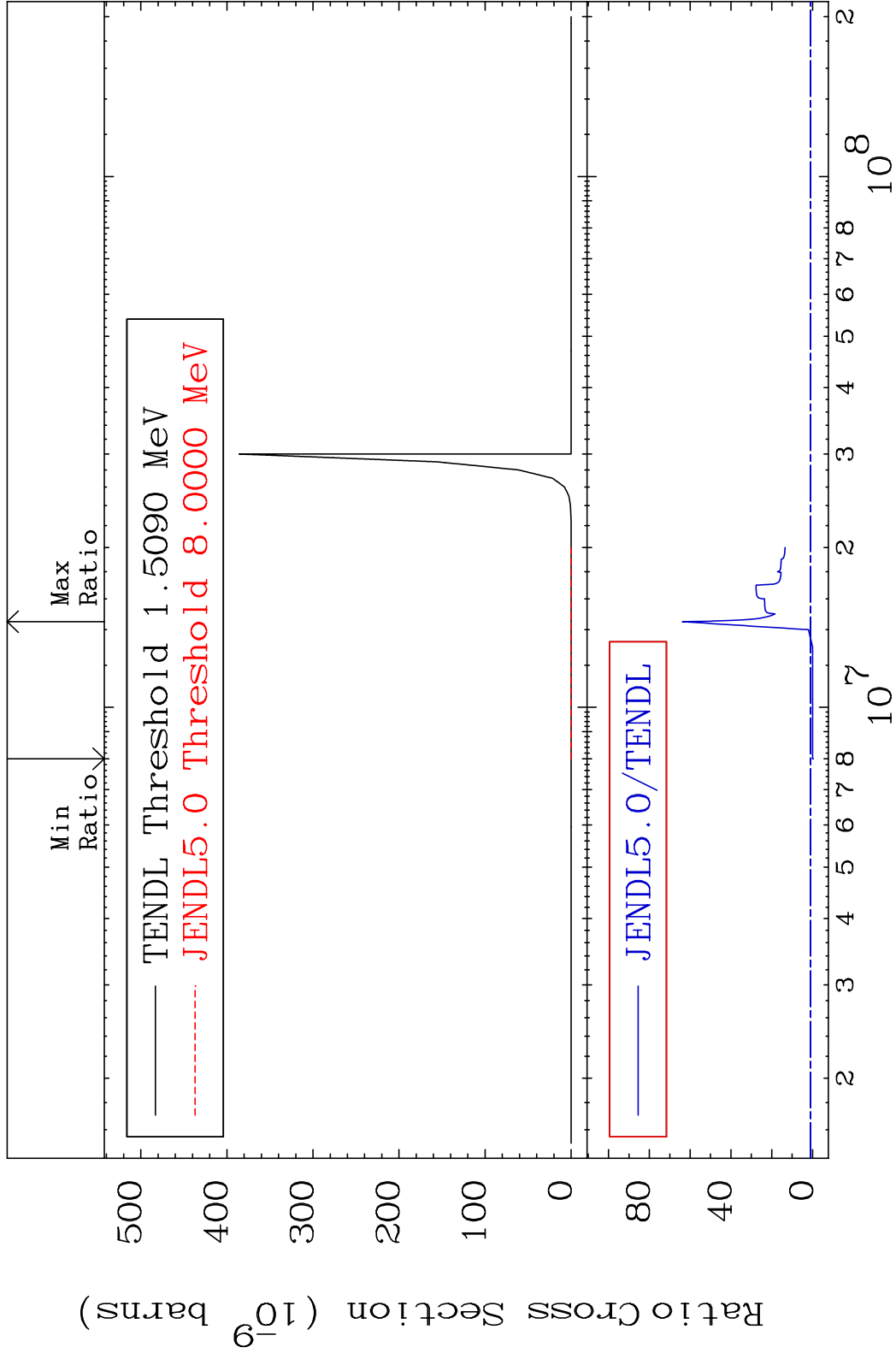


8

Incident Energy (eV)

58-Ce-136

MAT 5825 (n, n') 2α 58-Ce-136
 Cross Section -100.0 To 6282. %

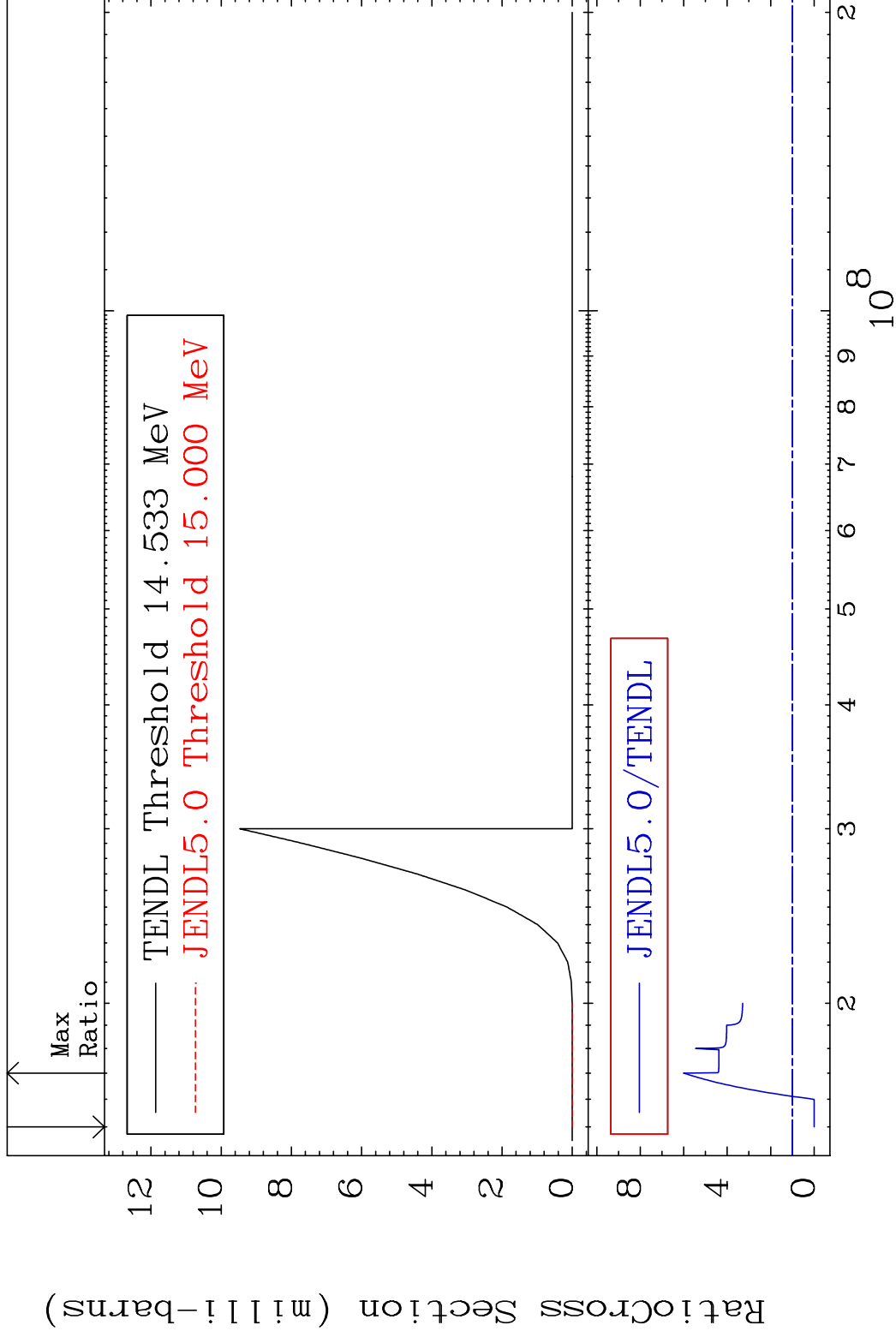


MAT 5825

(n, n') d

58-Ce-136

Cross Section -100.0 To 500.2 %



10

Incident Energy (eV)

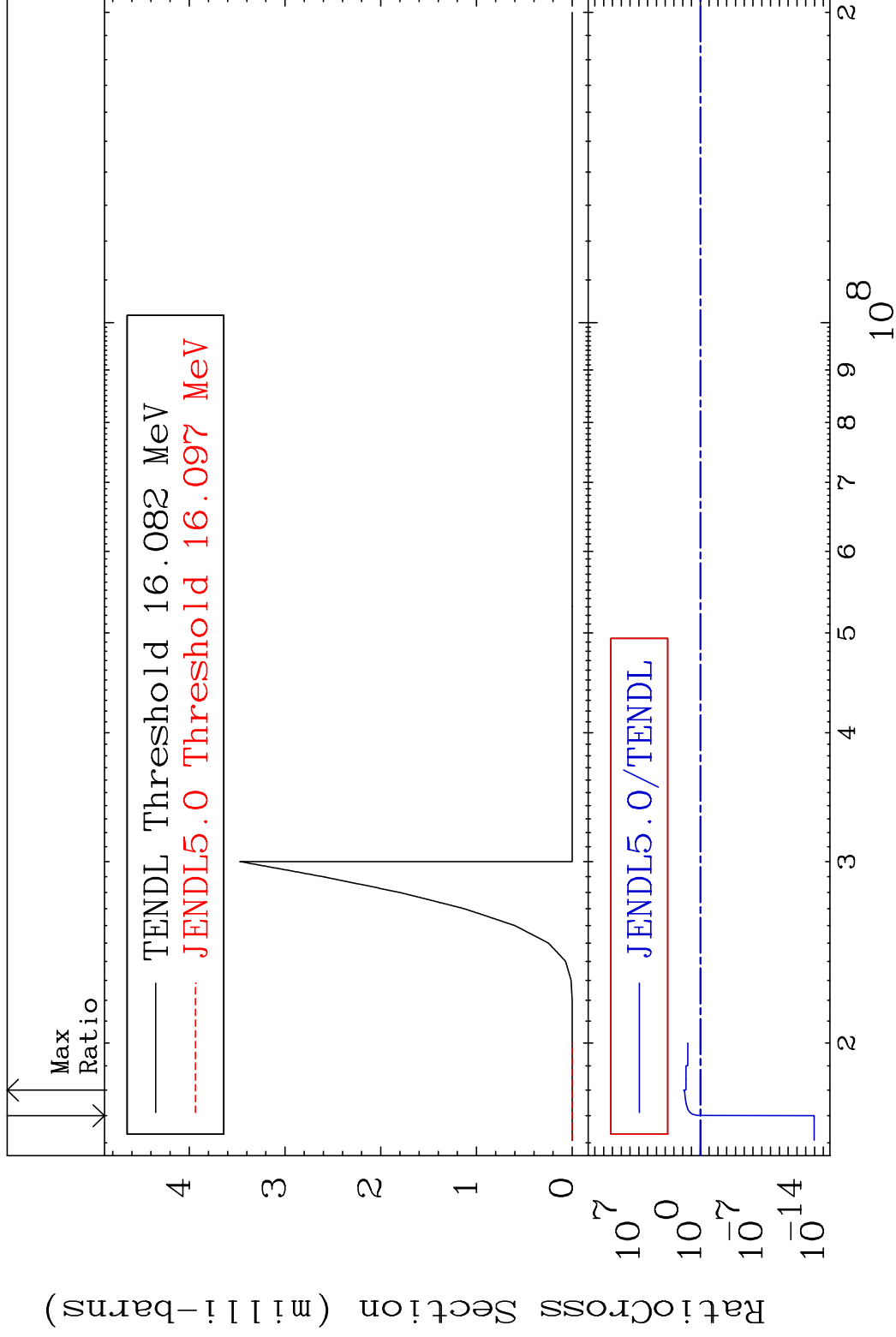
58-Ce-136

MAT 5825

(n, n') t

58-Ce-136

Cross Section -100.0 To 7802. %

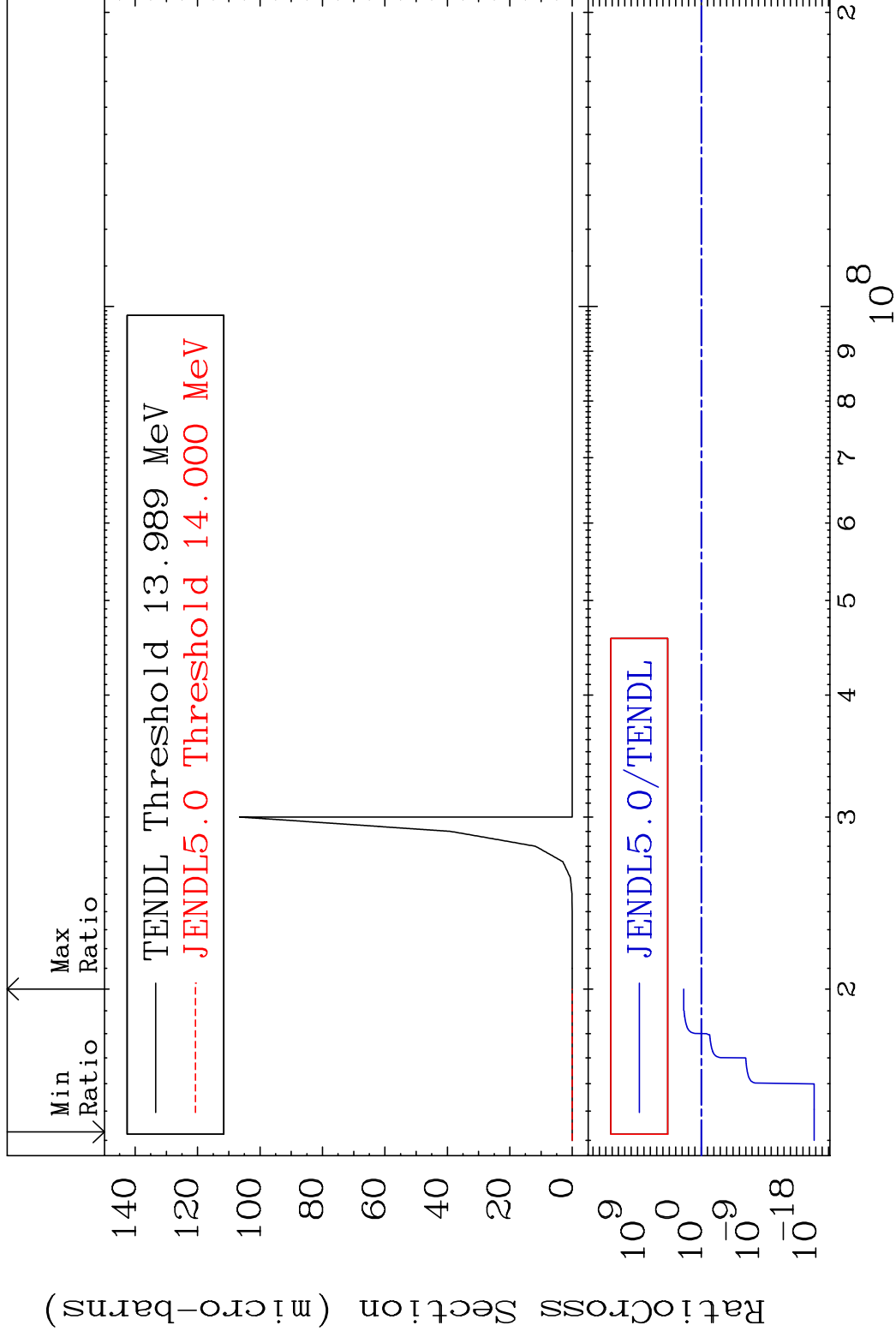


MAT 5825

(n,n') He-3

58-Ce-136

Cross Section -100.0 To 9999. %



12

Incident Energy (eV)

58-Ce-136

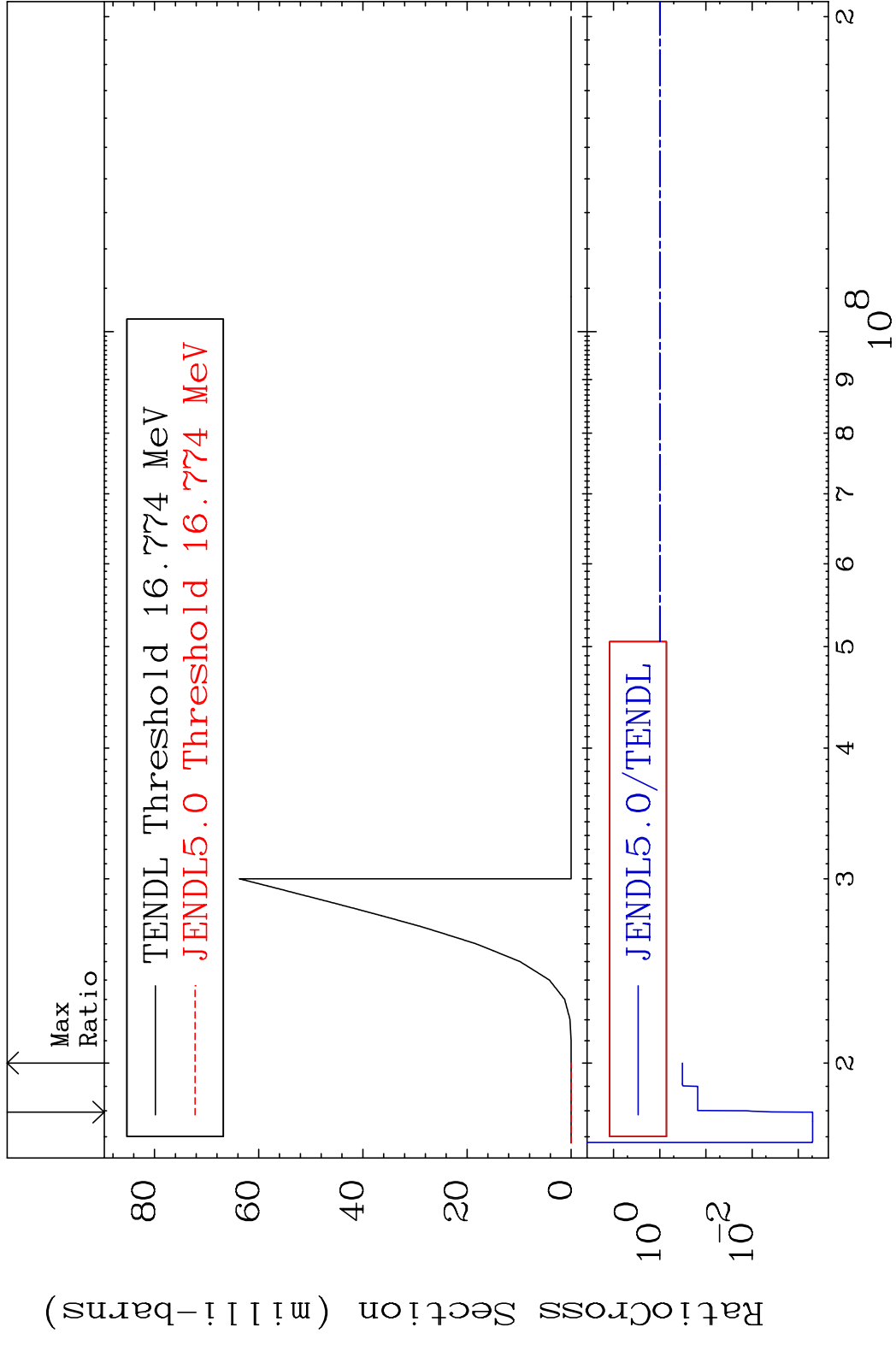
MAT 5825

(n,2n) p

58-Ce-136

Cross Section

-99.95 To -67.63%

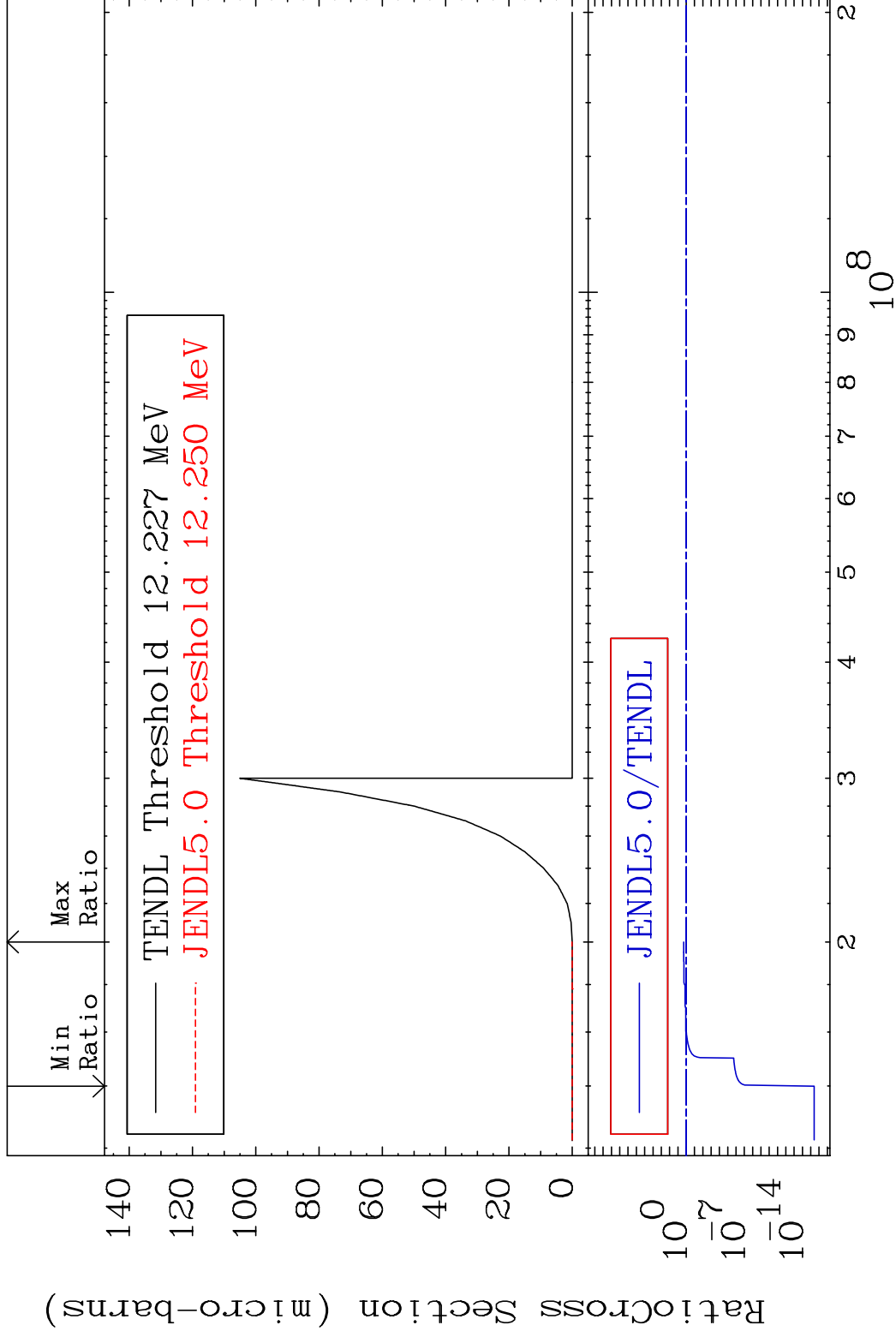


MAT 5825

(n,2n) p

58-Ce-136

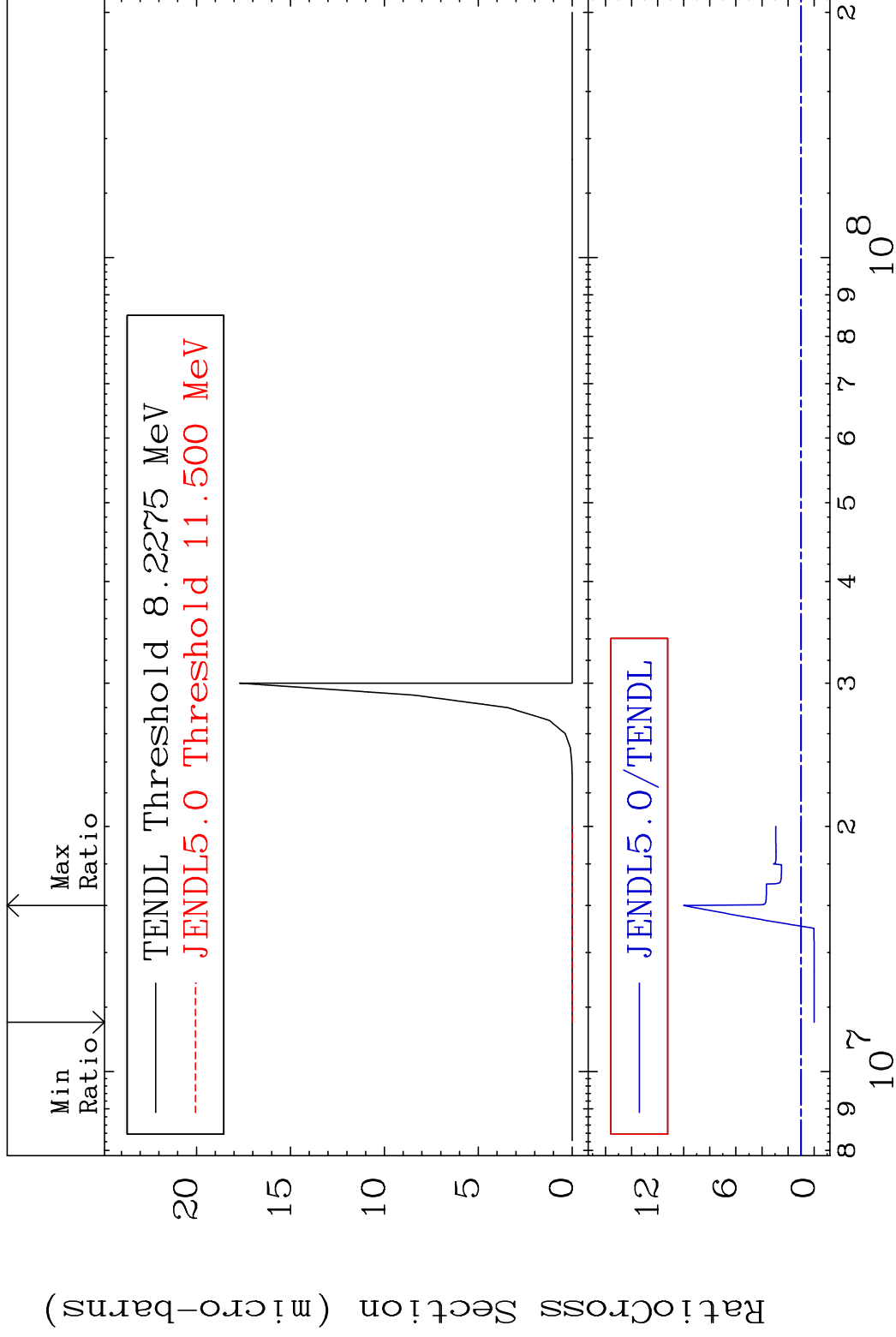
Cross Section -100.0 To 101.7 %



MAT 5825

(n,n') p α 58-Ce-136

Cross Section -100.0 To 900.8 %

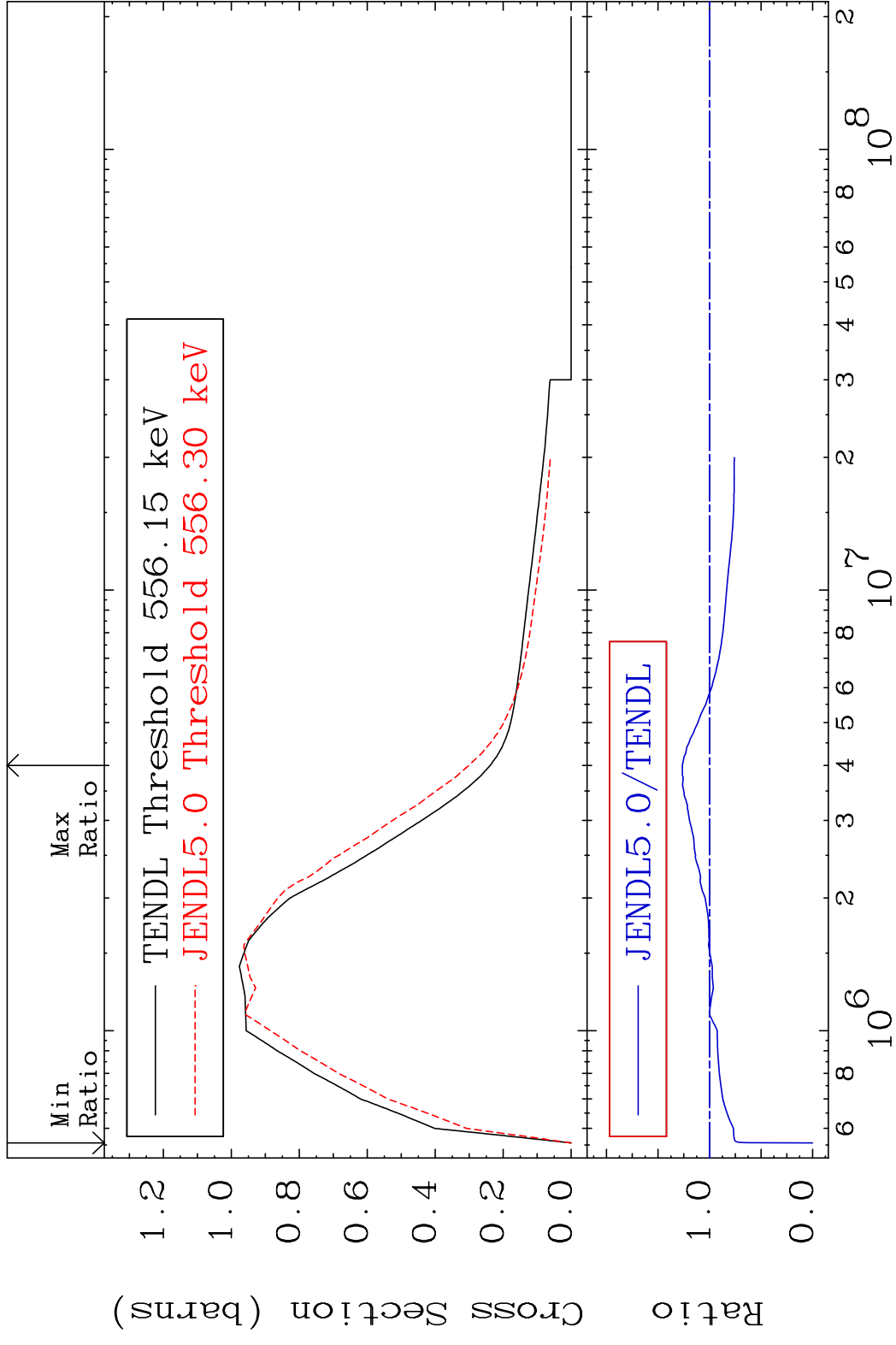


15

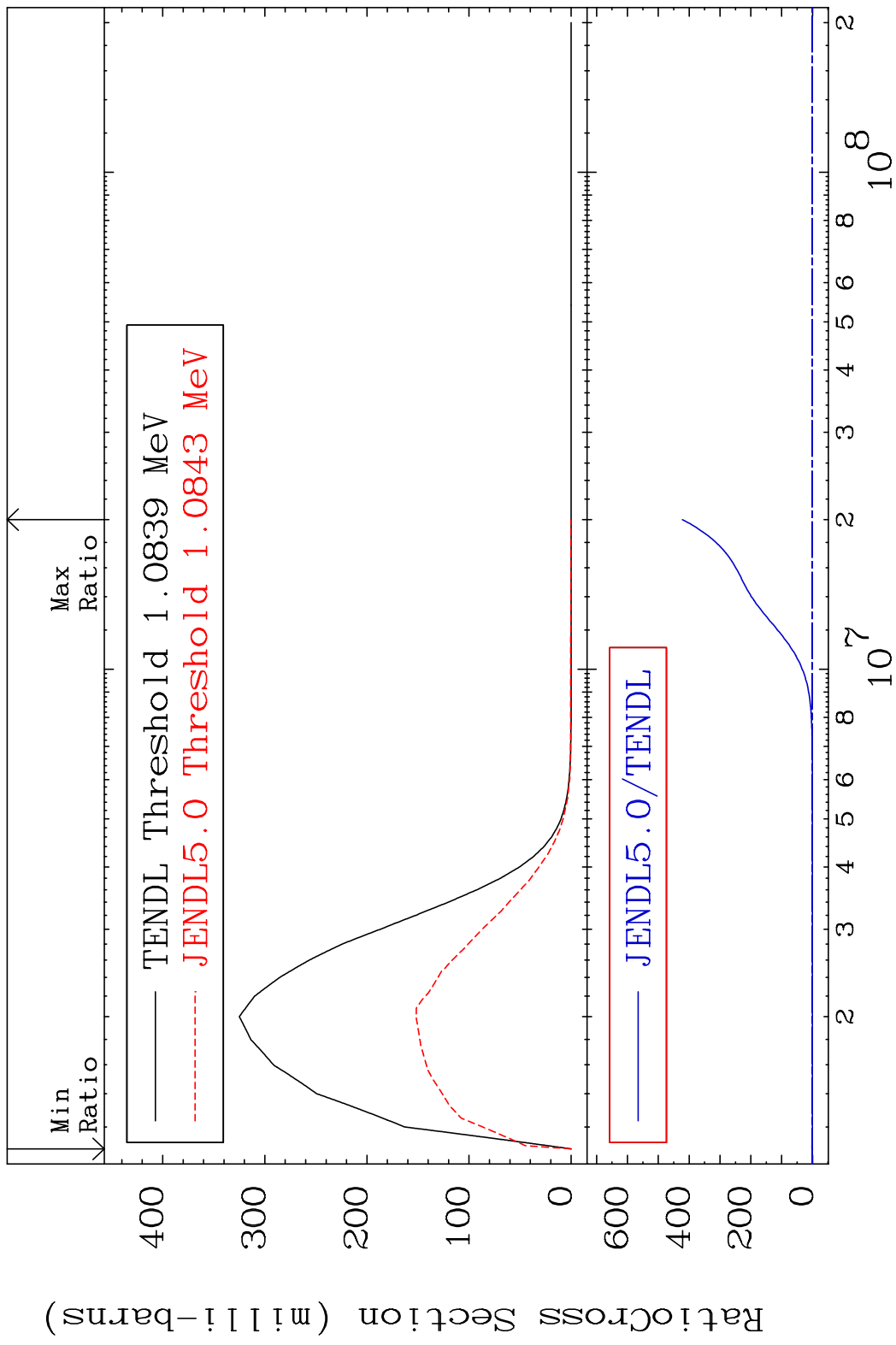
Incident Energy (eV)

58-Ce-136

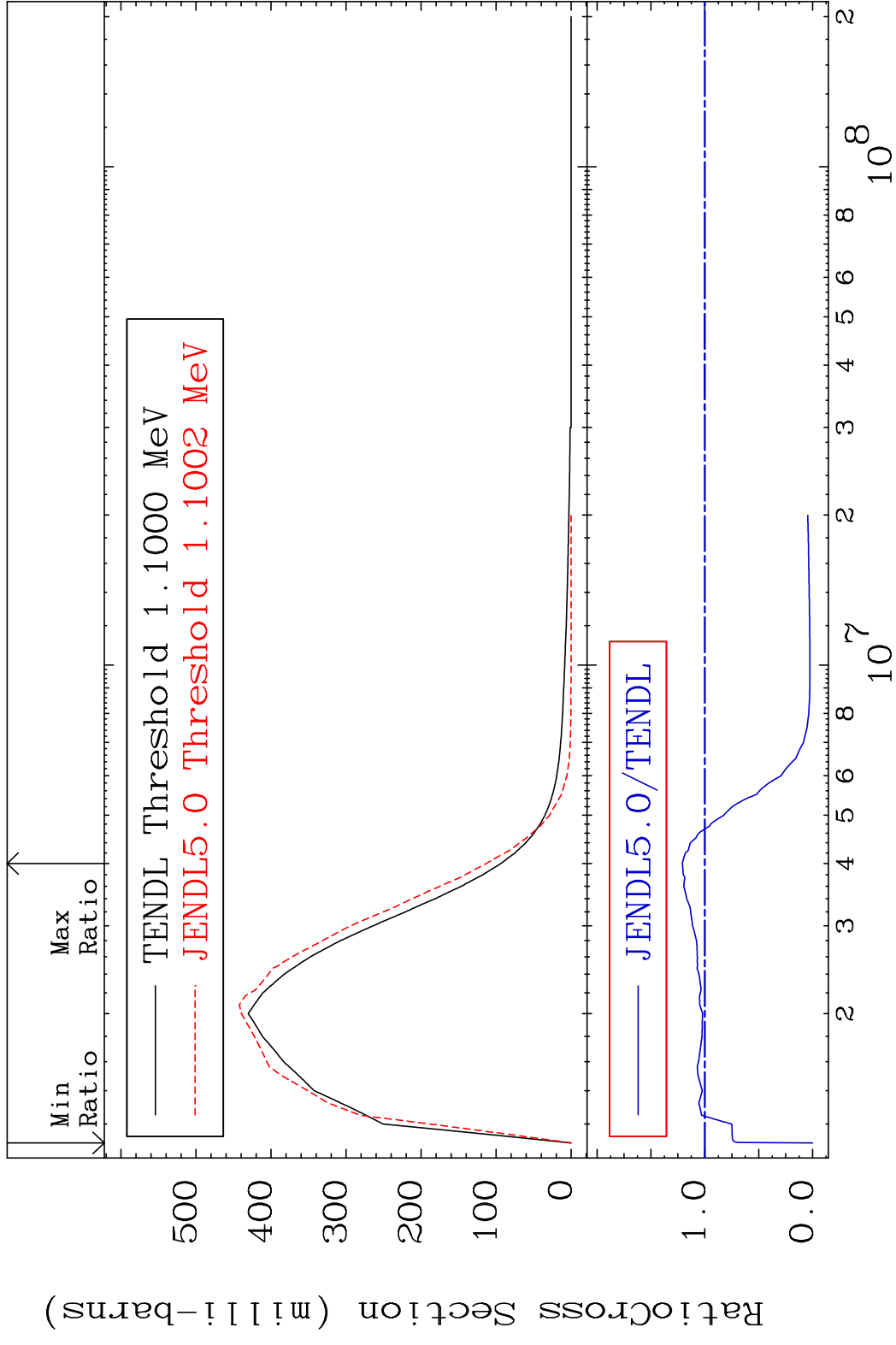
MAT 5825 MT= 51 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 26.41 %



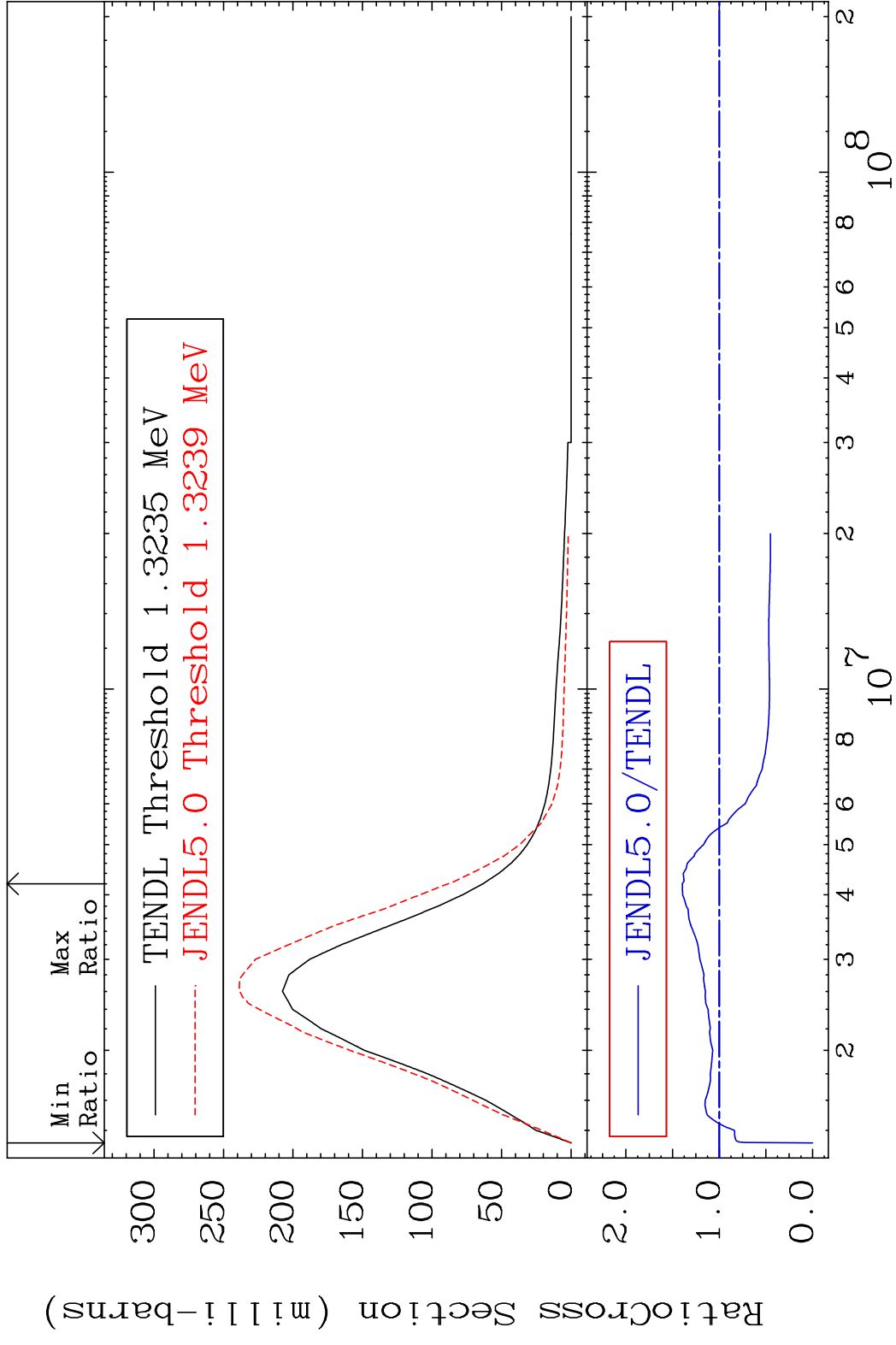
MAT 5825 MT= 52 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



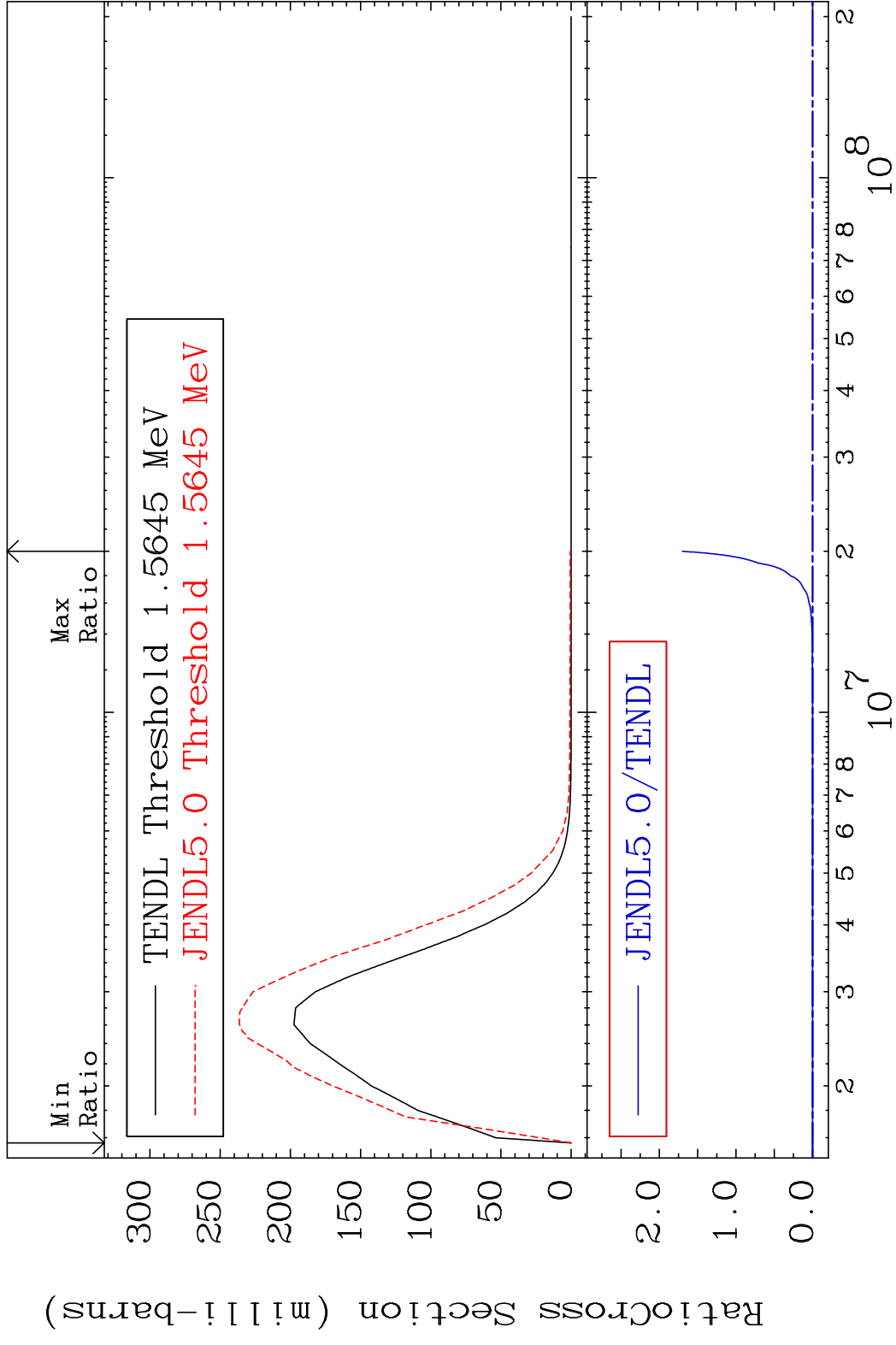
MAT 5825 MT= 53 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 20.88 %



MAT 5825 MT= 54 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 39.53 %

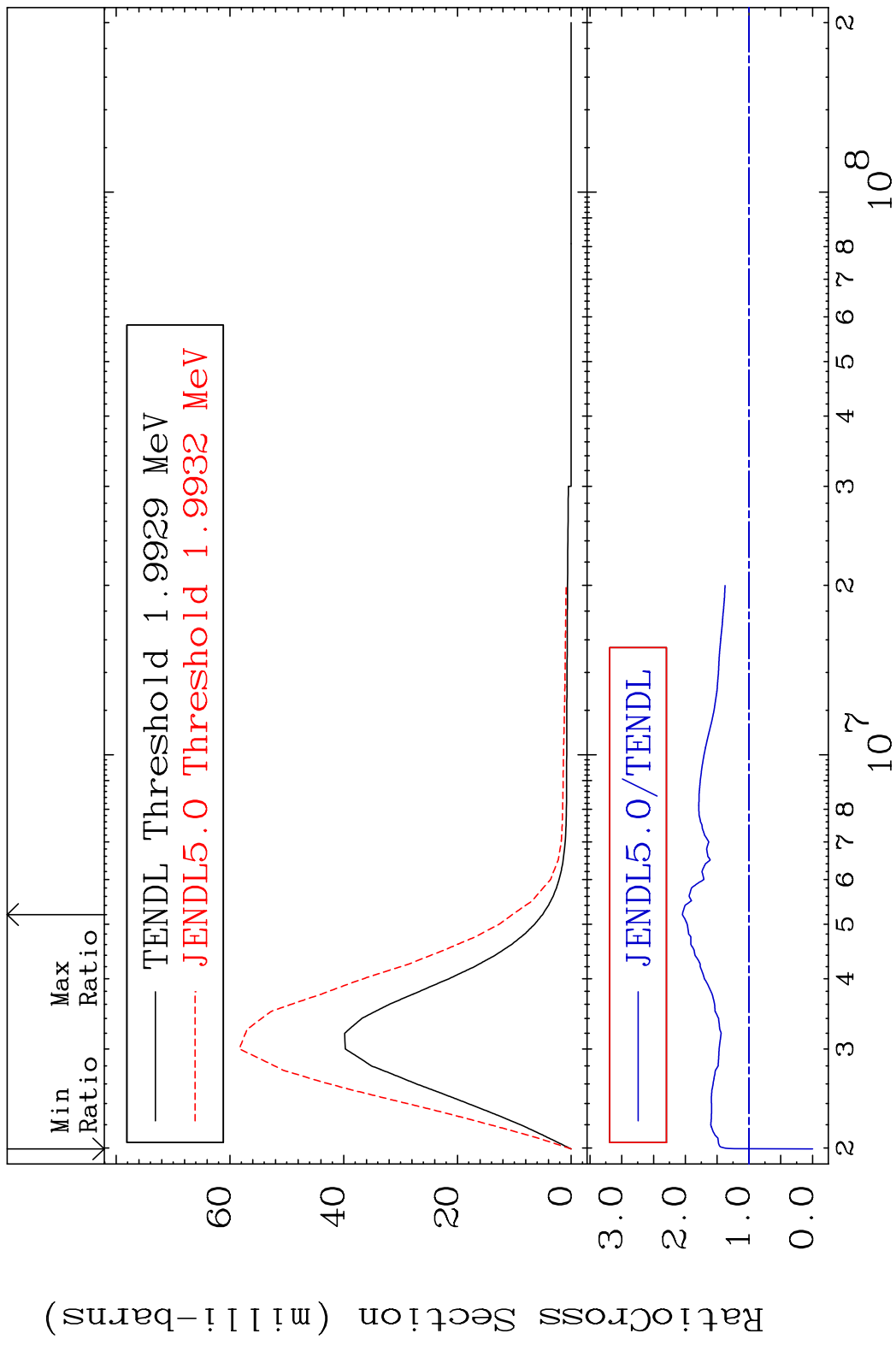


MAT 5825 MT= 55 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %

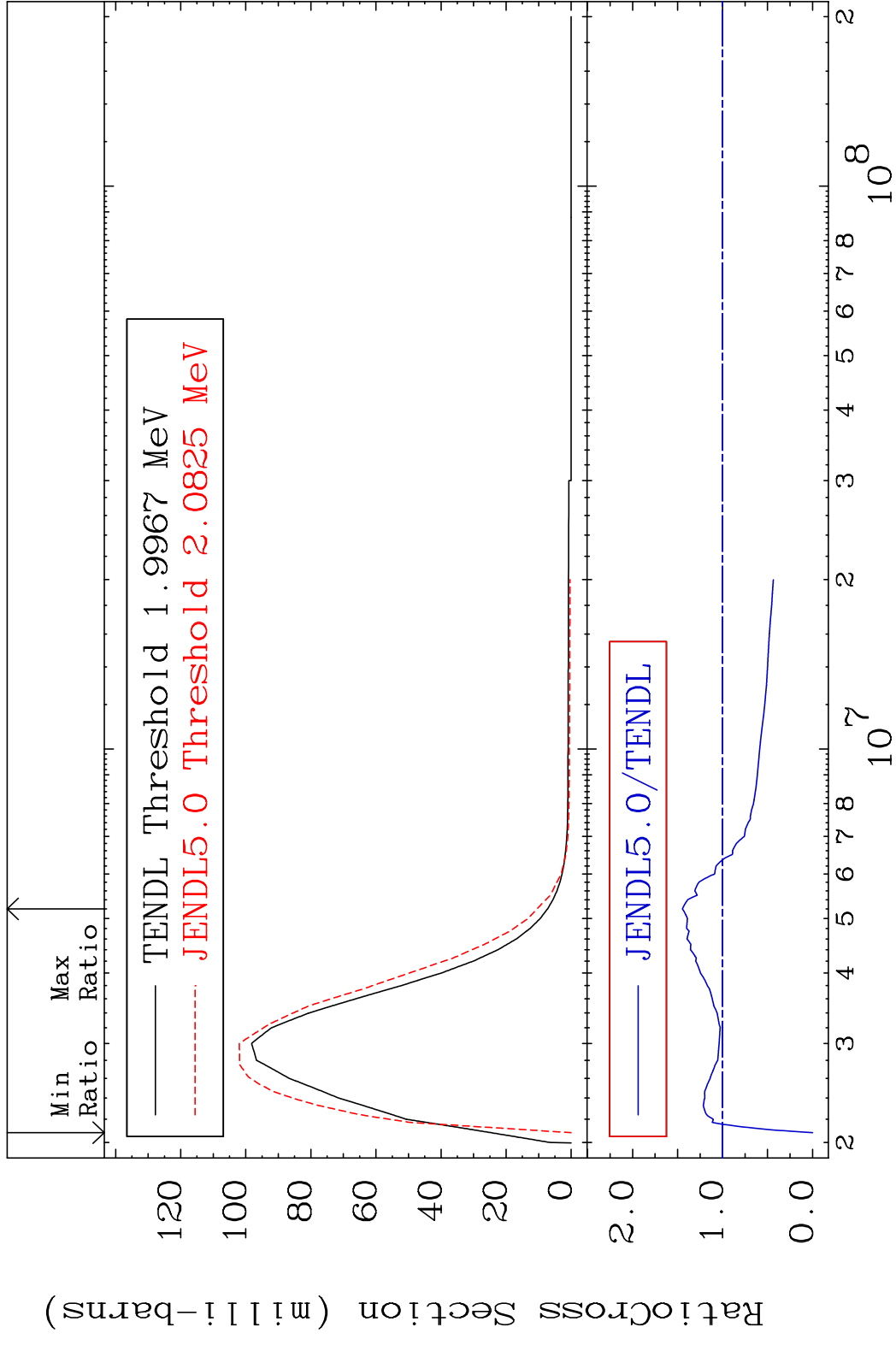


20 Incident Energy (eV) 58-Ce-136

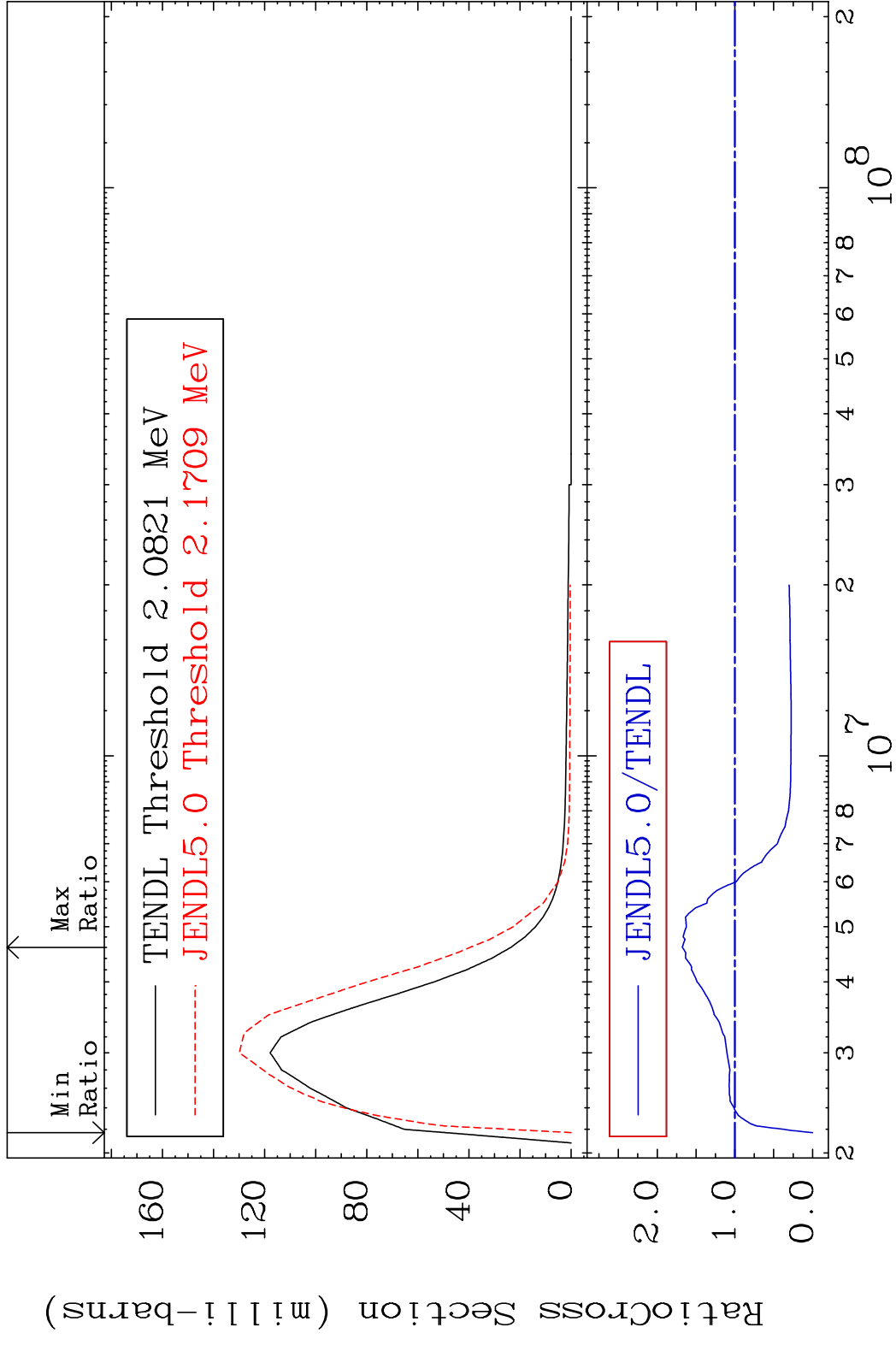
MAT 5825 MT= 56 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 104.7 %



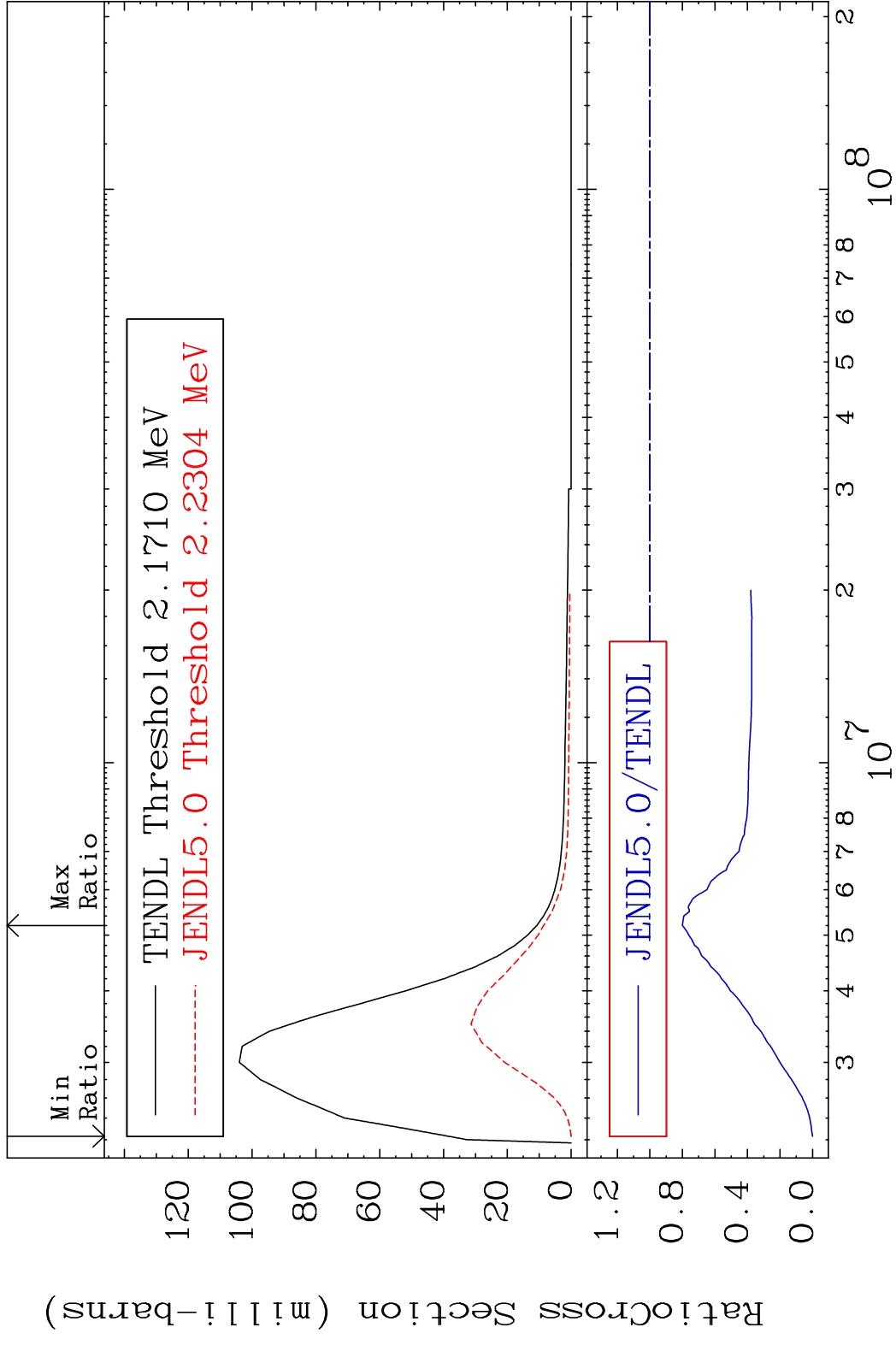
MAT 5825 MT= 57 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 44.68 %



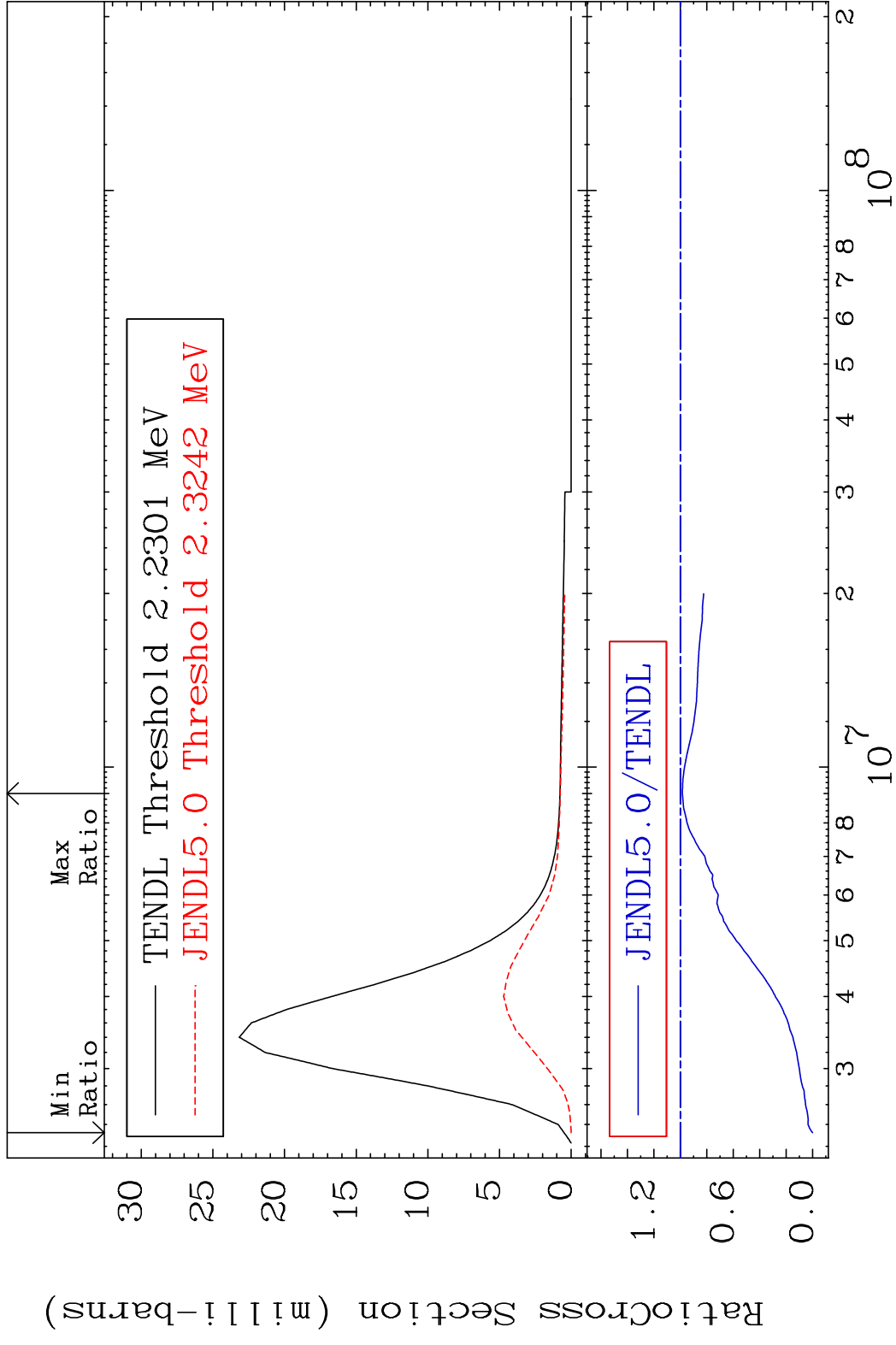
MAT 5825 MT= 58 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 67.63 %



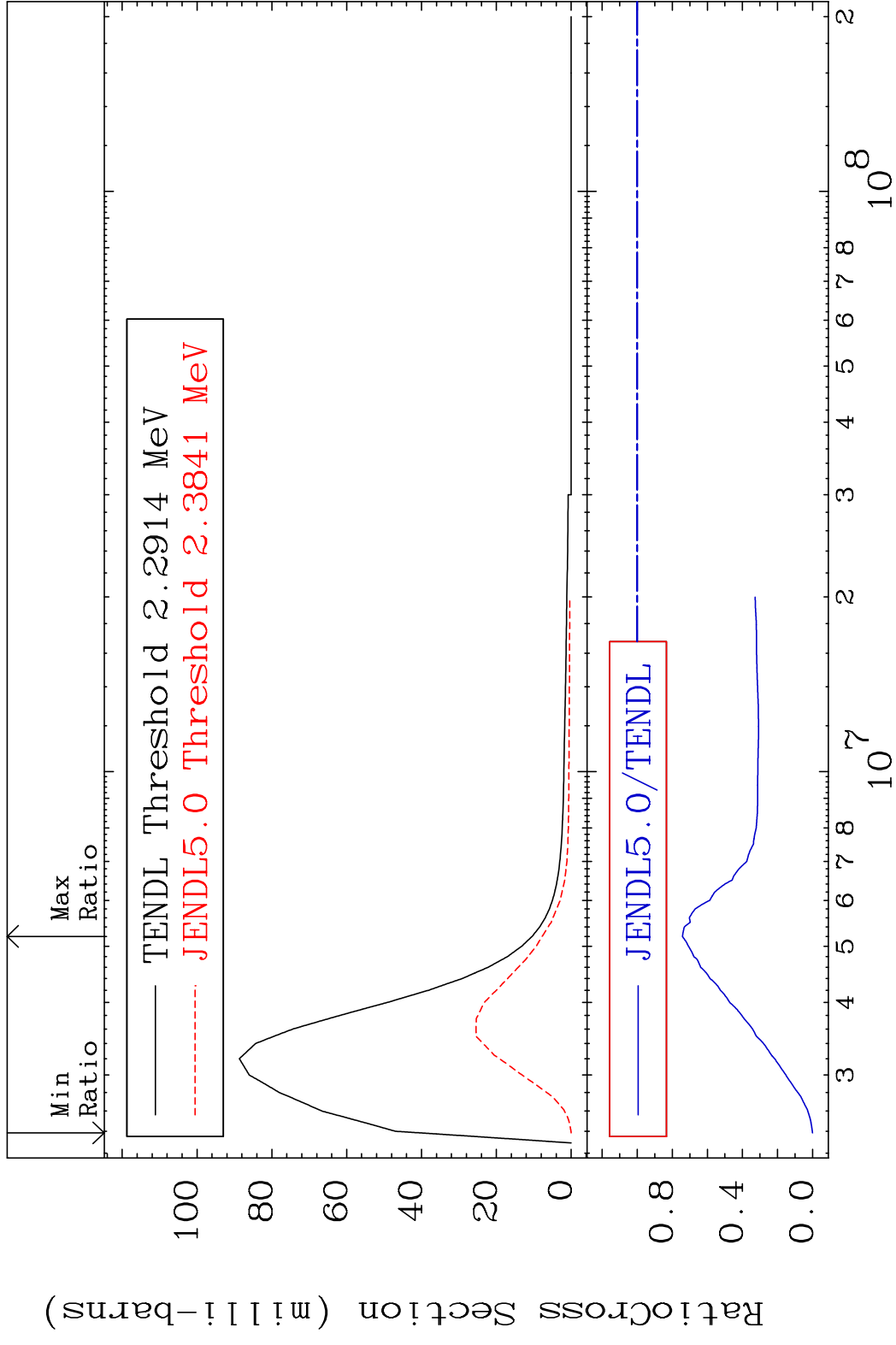
MAT 5825 MT= 59 (n,n') Level 58-Ce-136
 Cross Section -100.0 To -19.96%



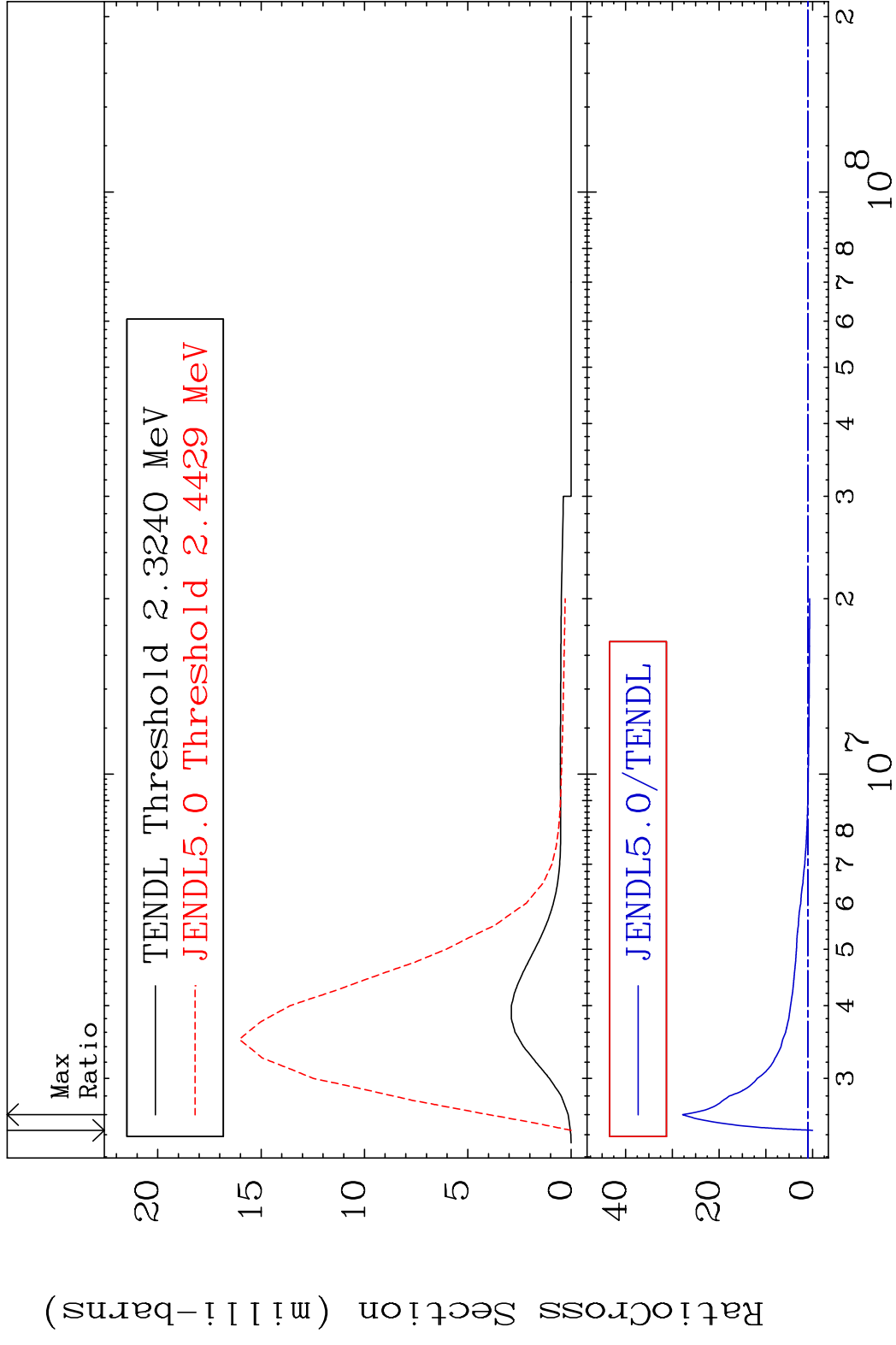
MAT 5825 MT= 60 (n, n') Level 58-Ce-136
 Cross Section -100.0 To -1.563%



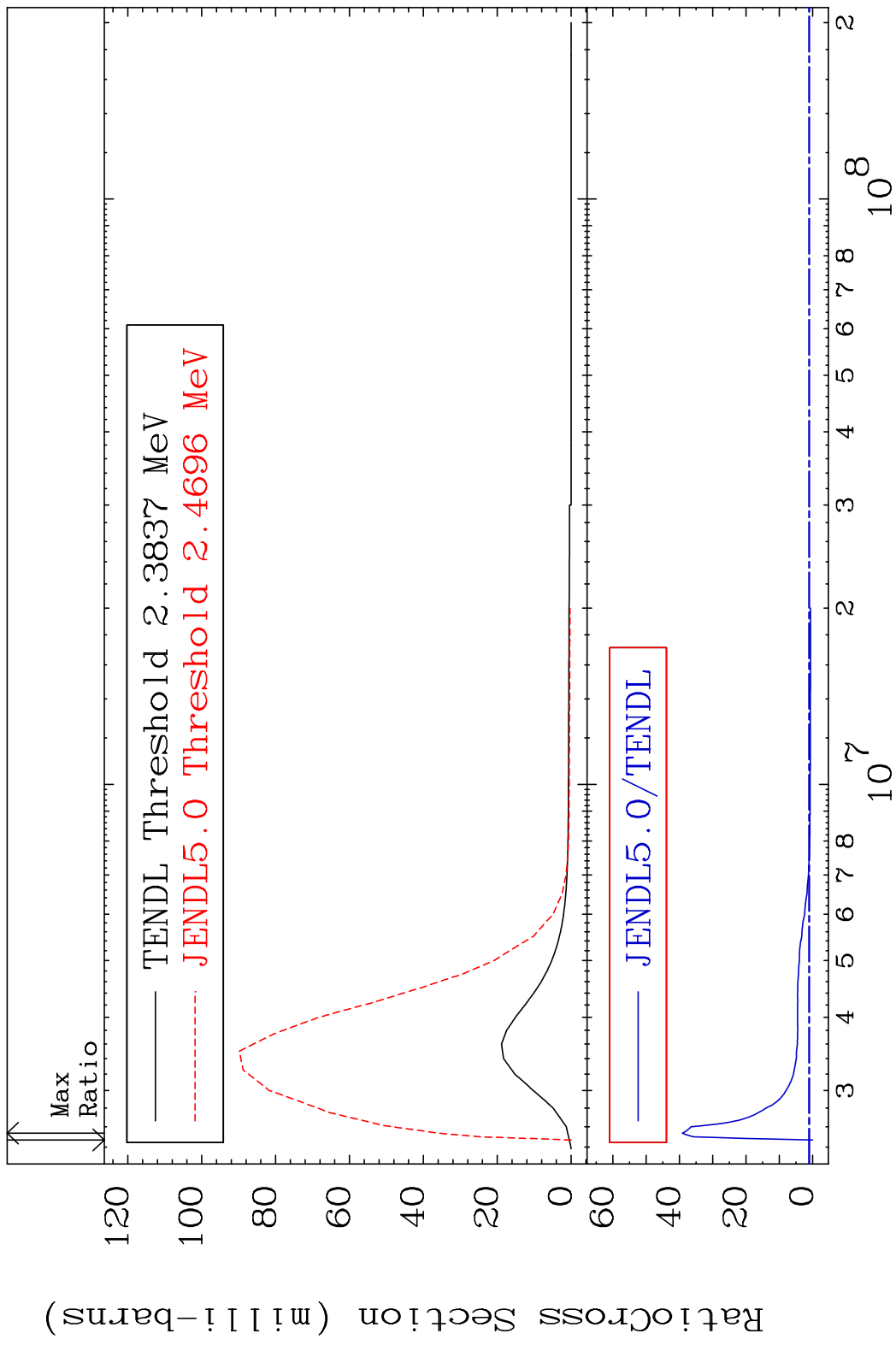
MAT 5825 MT= 61 (n, n') Level 58-Ce-136
 Cross Section -100.0 To -25.73%



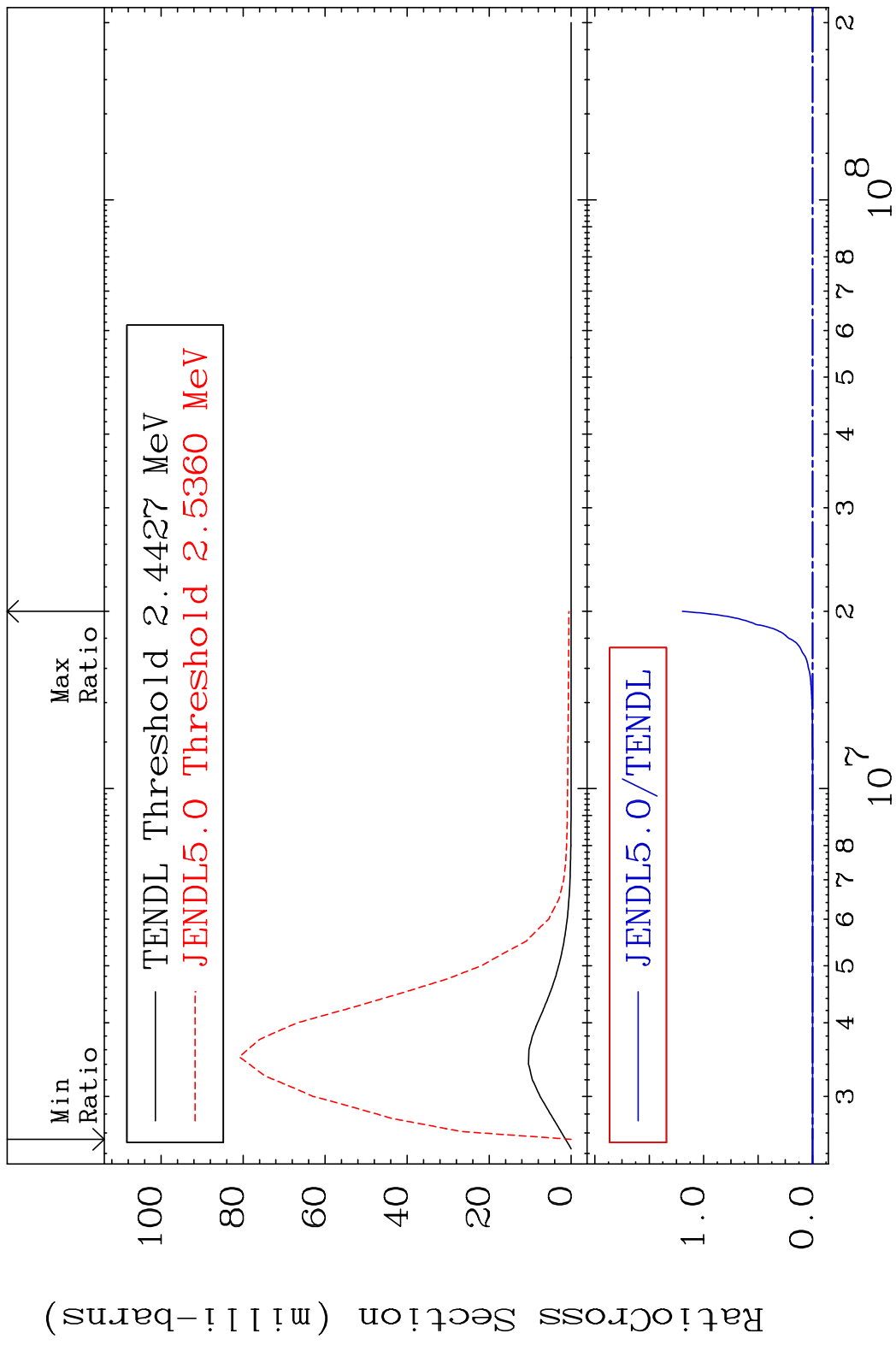
MAT 5825 MT= 62 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 2685. %



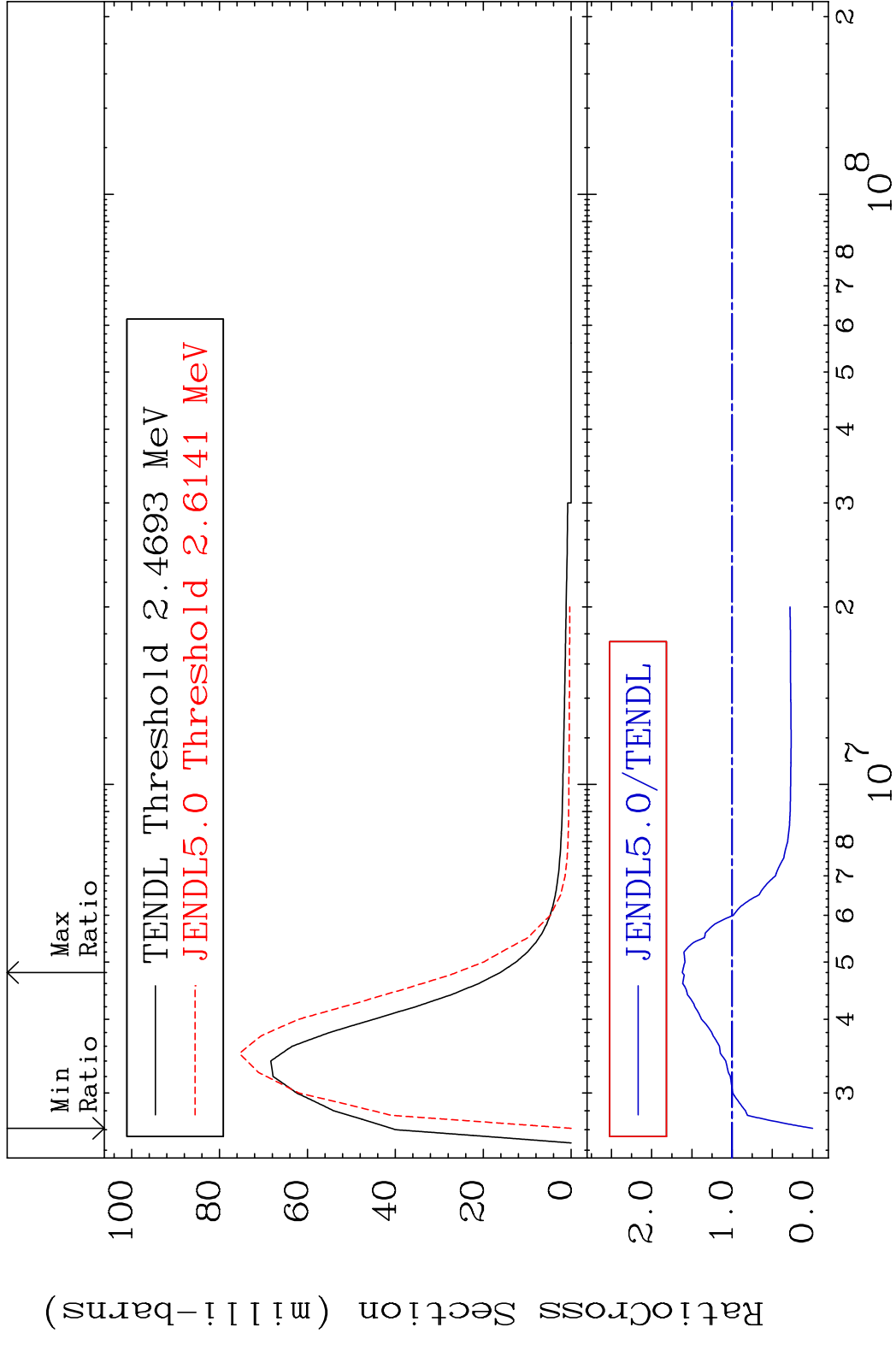
MAT 5825 MT= 63 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 3813. %



MAT 5825 MT= 64 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



MAT 5825 MT= 65 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 61.87 %

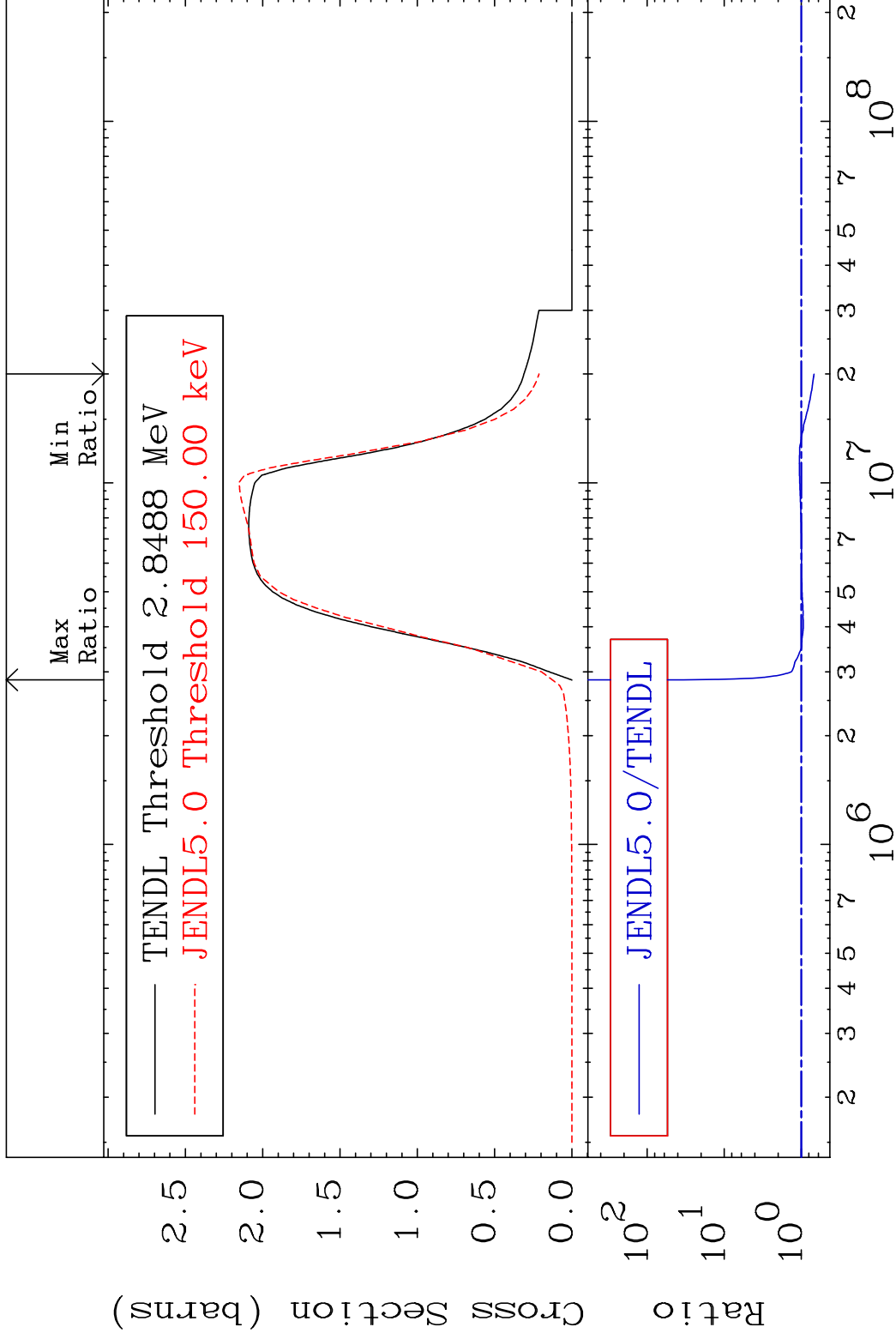


MAT 5825

(n, n') Continuum

58-Ce-136

Cross Section -31.51 To 3280. %



31

Incident Energy (eV)

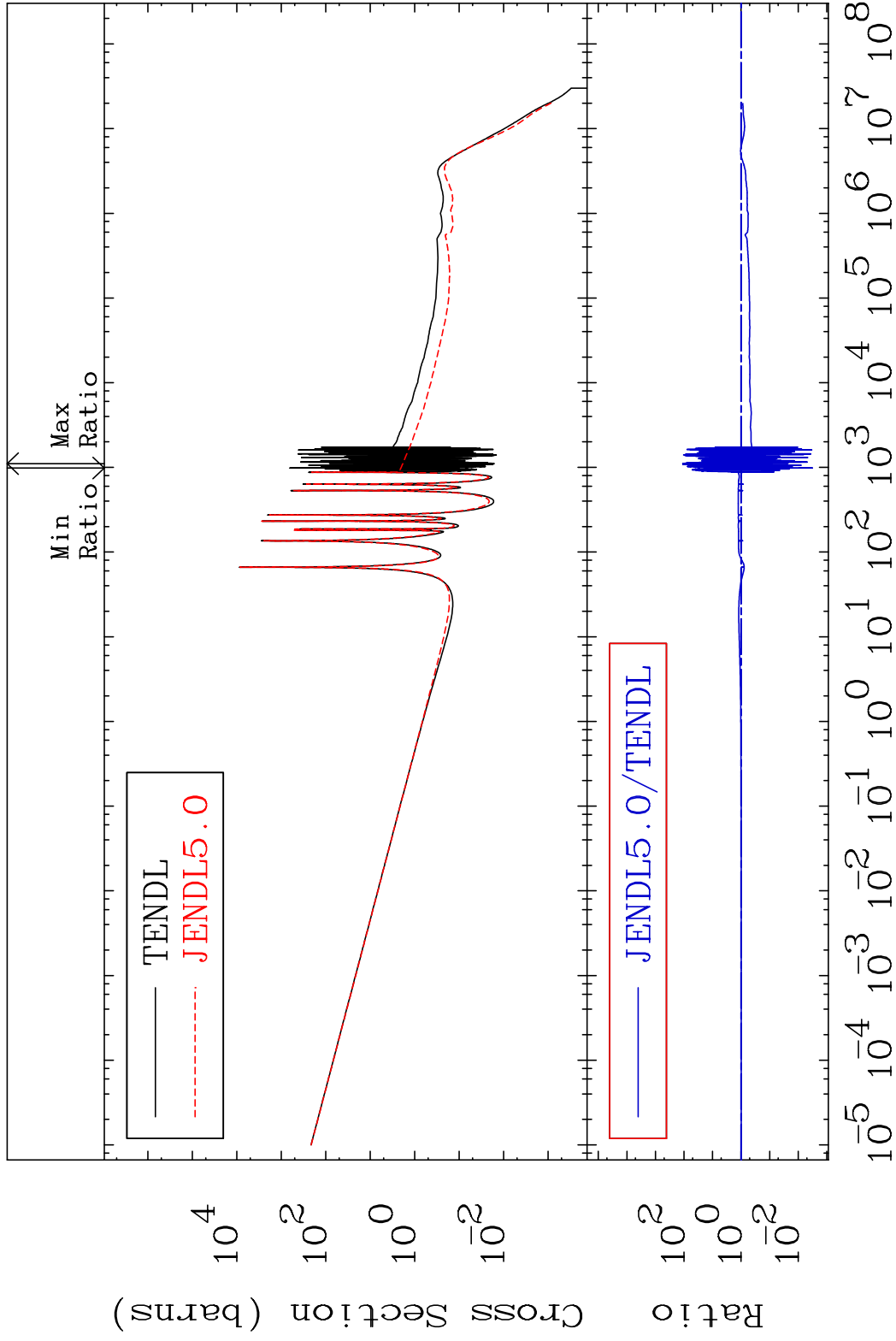
58-Ce-136

MAT 5825

(n, γ)

58-Ce-136

Cross Section -99.69 To 9999. %



32

Incident Energy (eV)

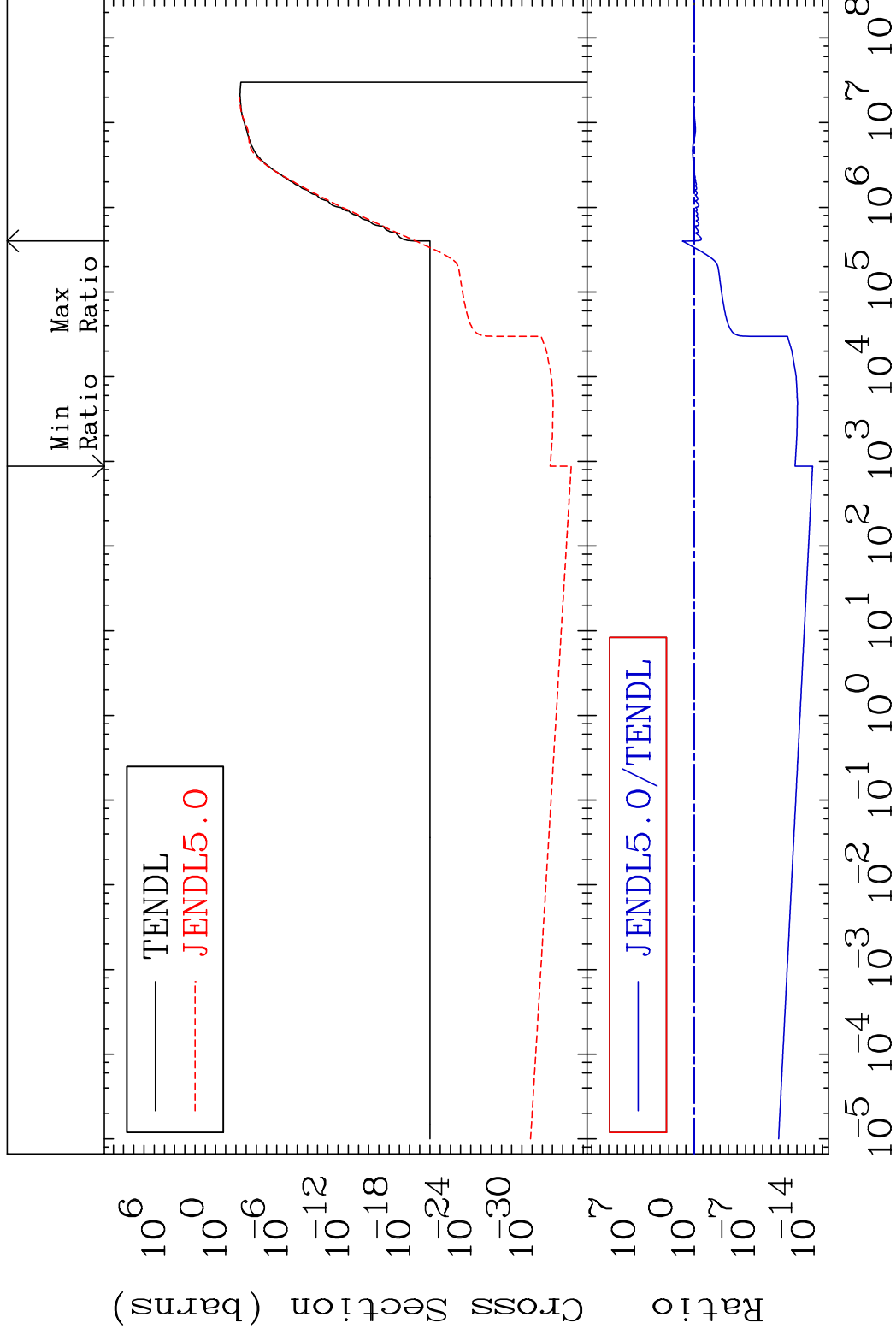
58-Ce-136

MAT 5825

(n, p)

58-Ce-136

Cross Section -100.0 To 2378. %

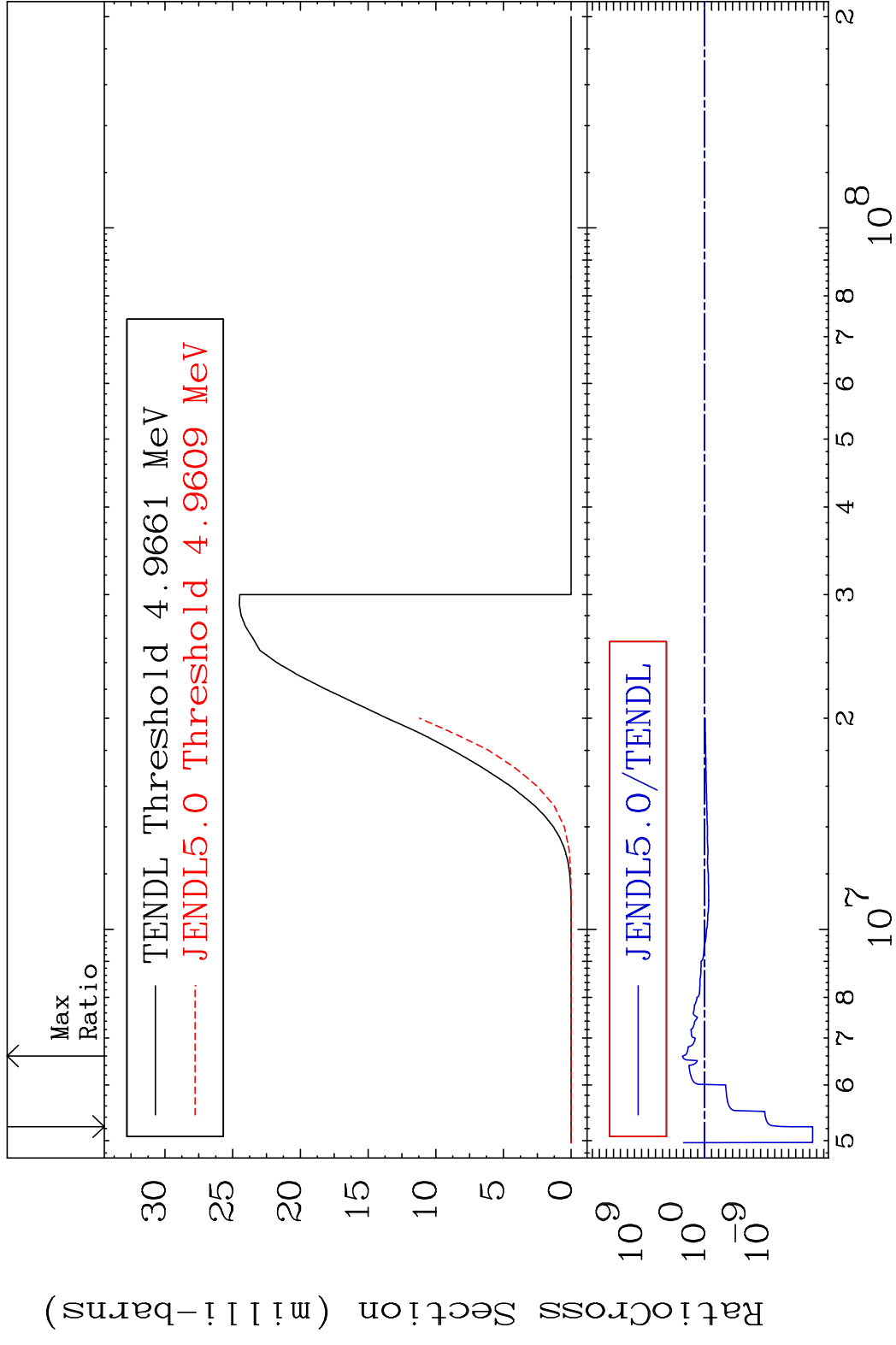


33

Incident Energy (eV)

58-Ce-136

MAT 5825 (n,d) 58-Ce-136
 Cross Section -100.0 To 9999. %

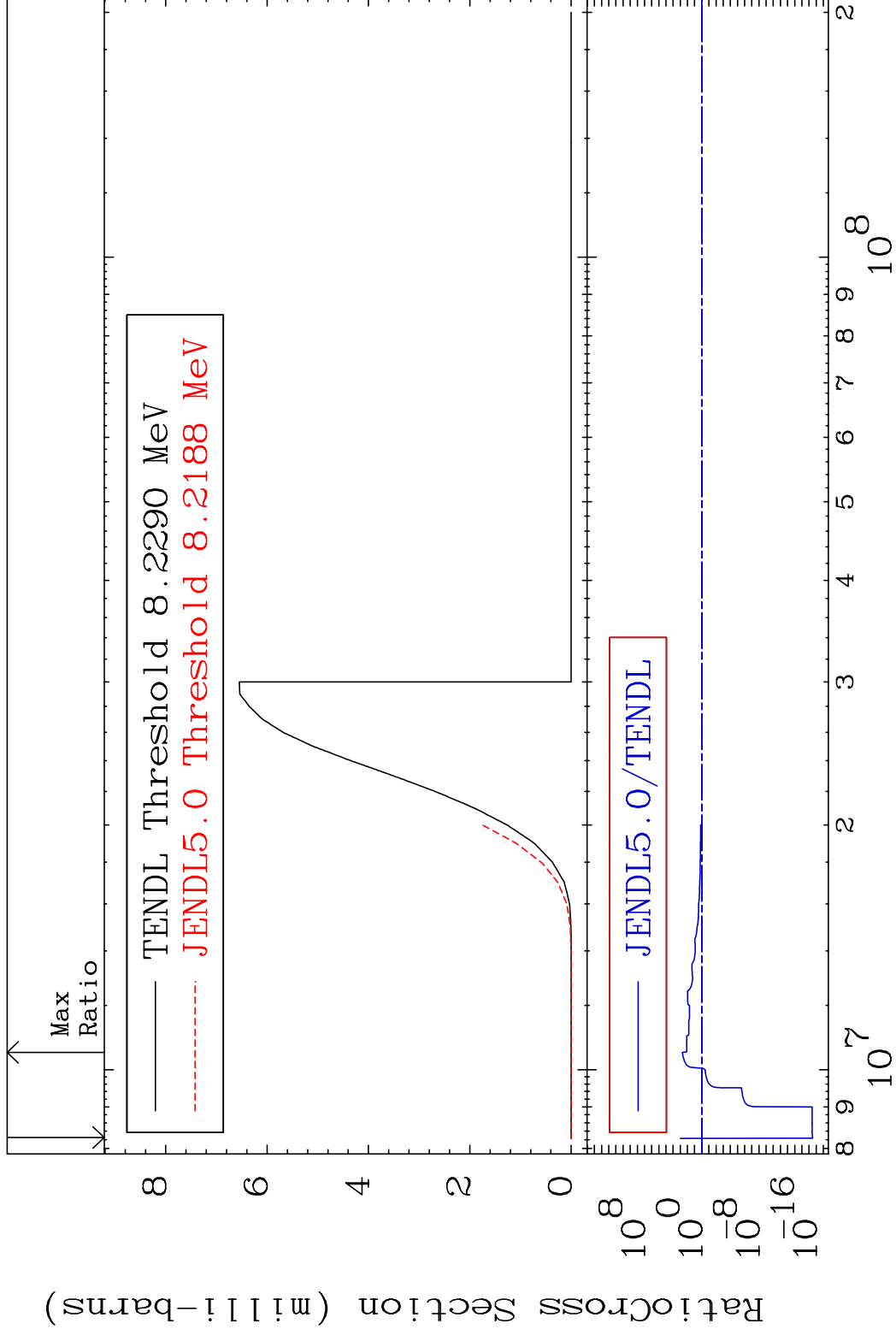


MAT 5825

(n, t)

58-Ce-136

Cross Section -100.0 To 9999. %

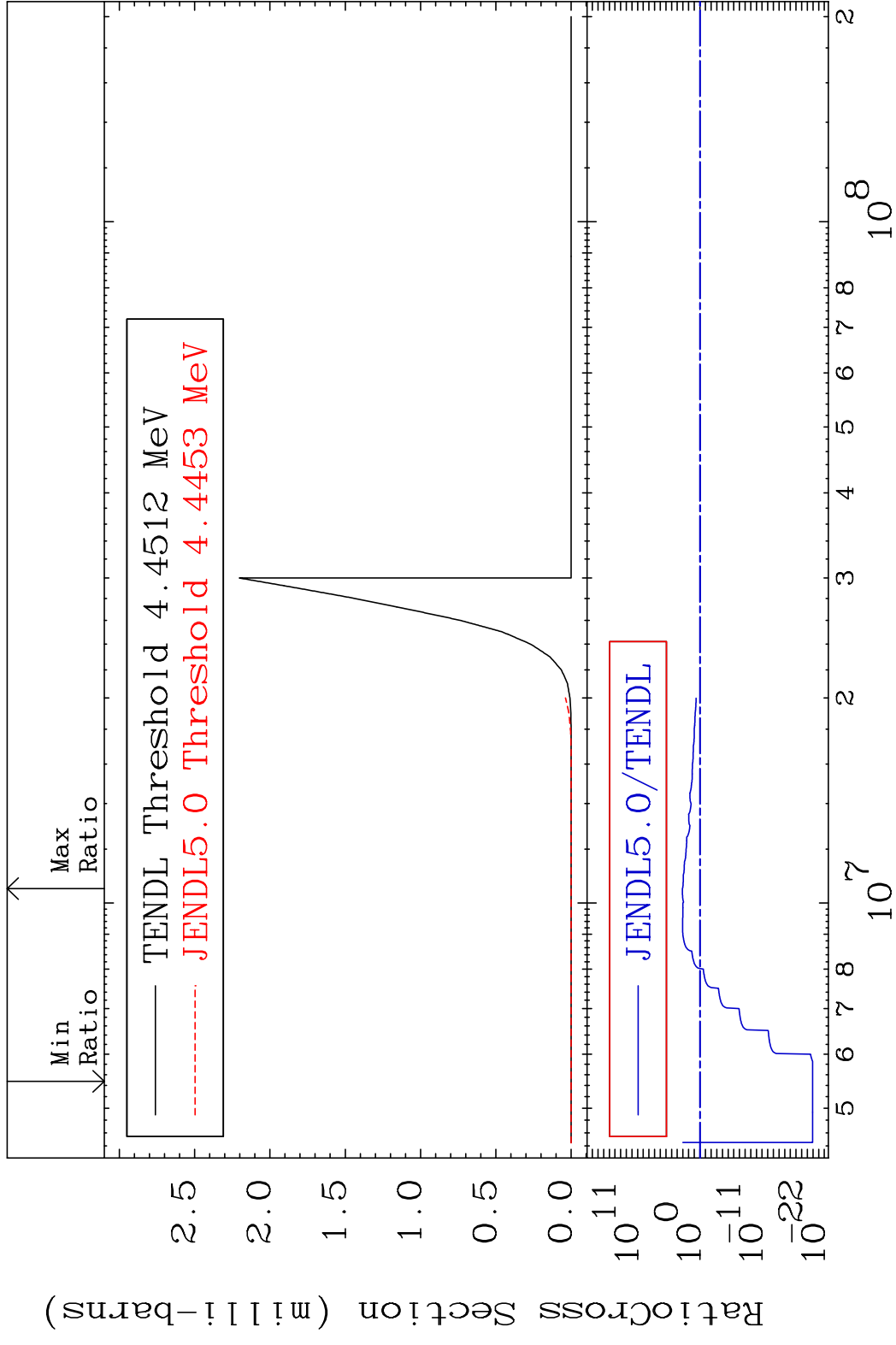


35

Incident Energy (eV)

58-Ce-136

MAT 5825 (n, He-3) 58-Ce-136
 Cross Section -100.0 To 9999. %

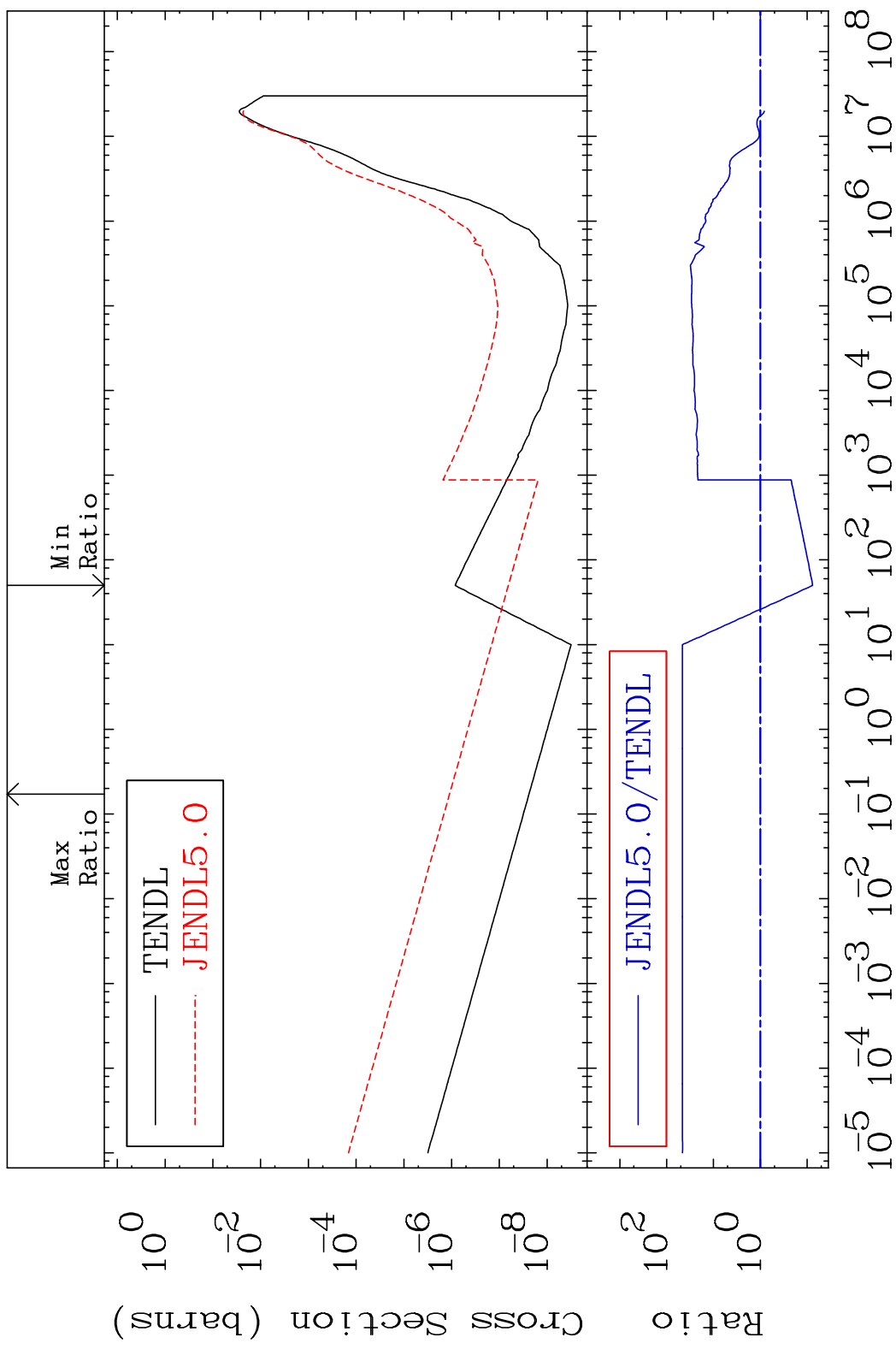


MAT 5825

(n, α)

58-Ce-136

Cross Section -92.31 To 4525. %

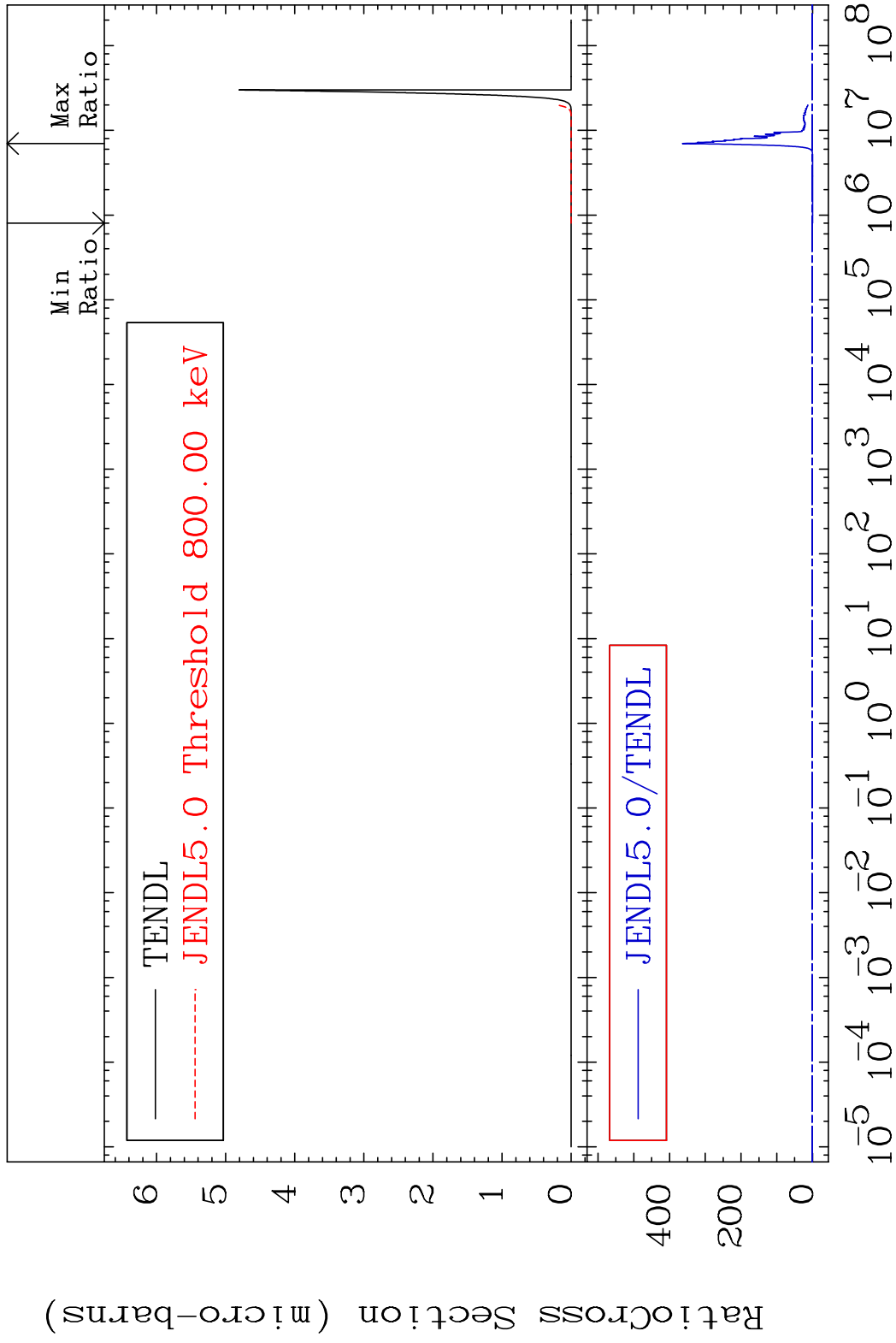


MAT 5825

(n, 2α)

58-Ce-136

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

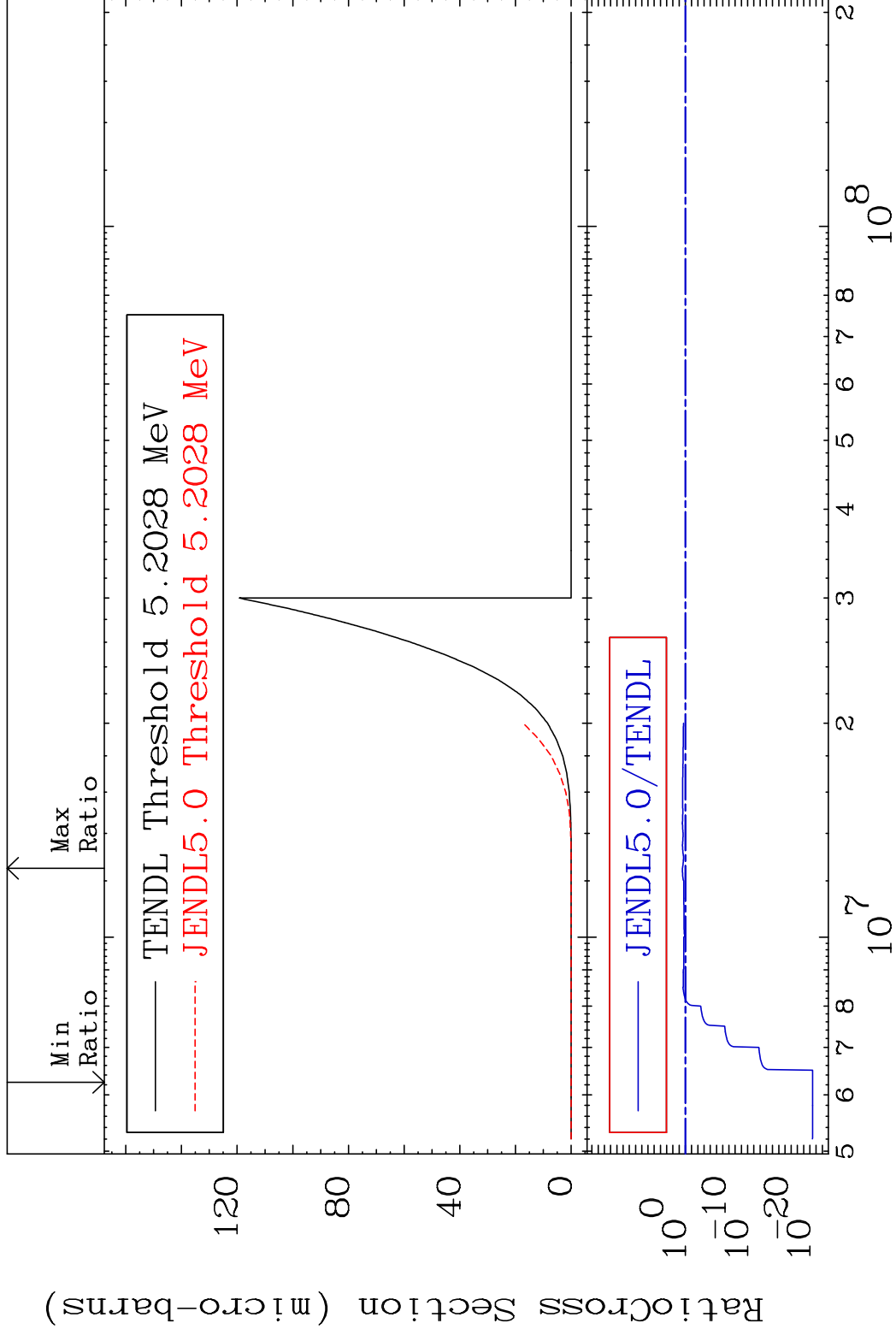
58-Ce-136

MAT 5825

(n,2p)

58-Ce-136

Cross Section -100.0 To 203.3 %

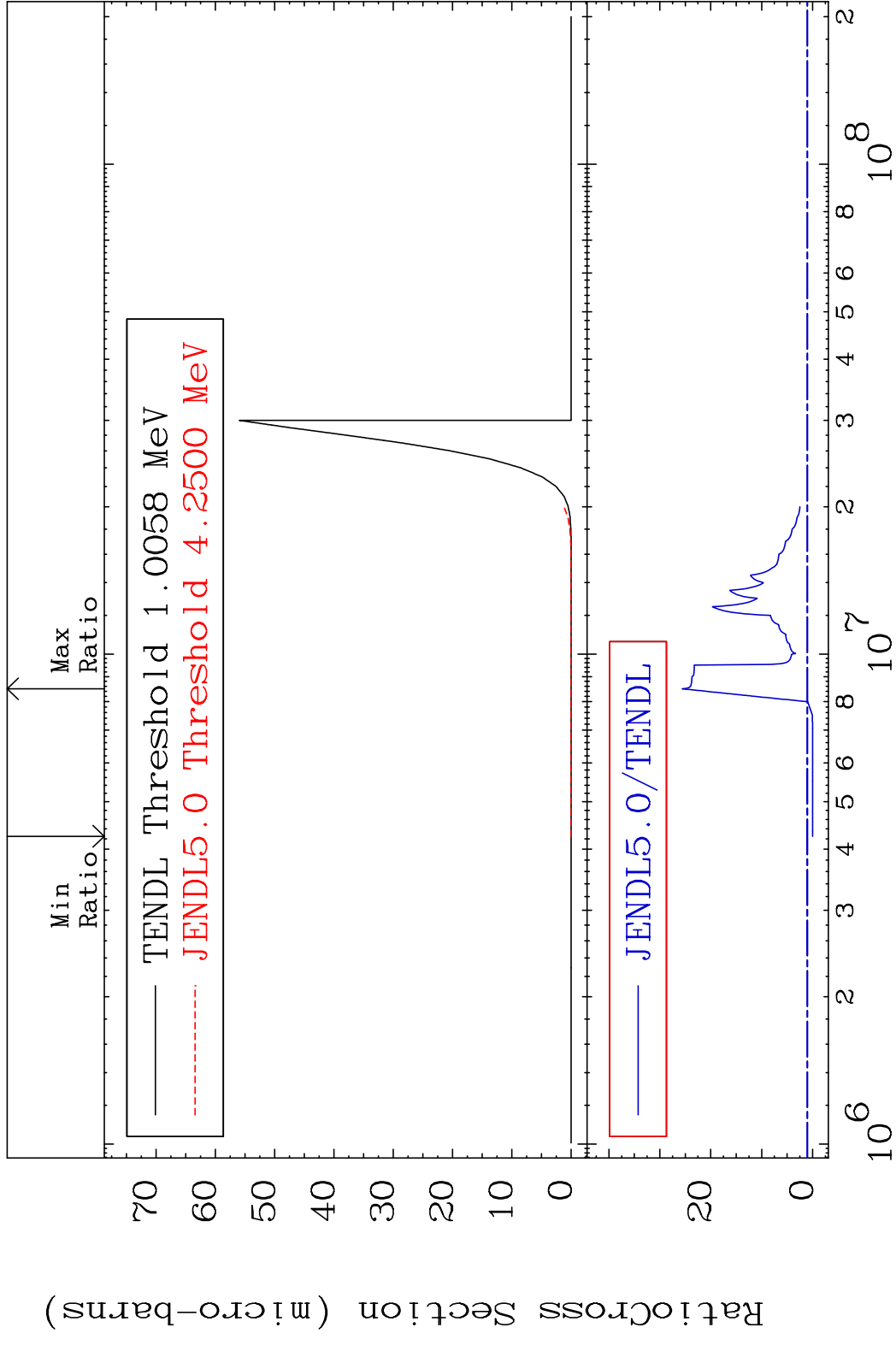


39

Incident Energy (eV)

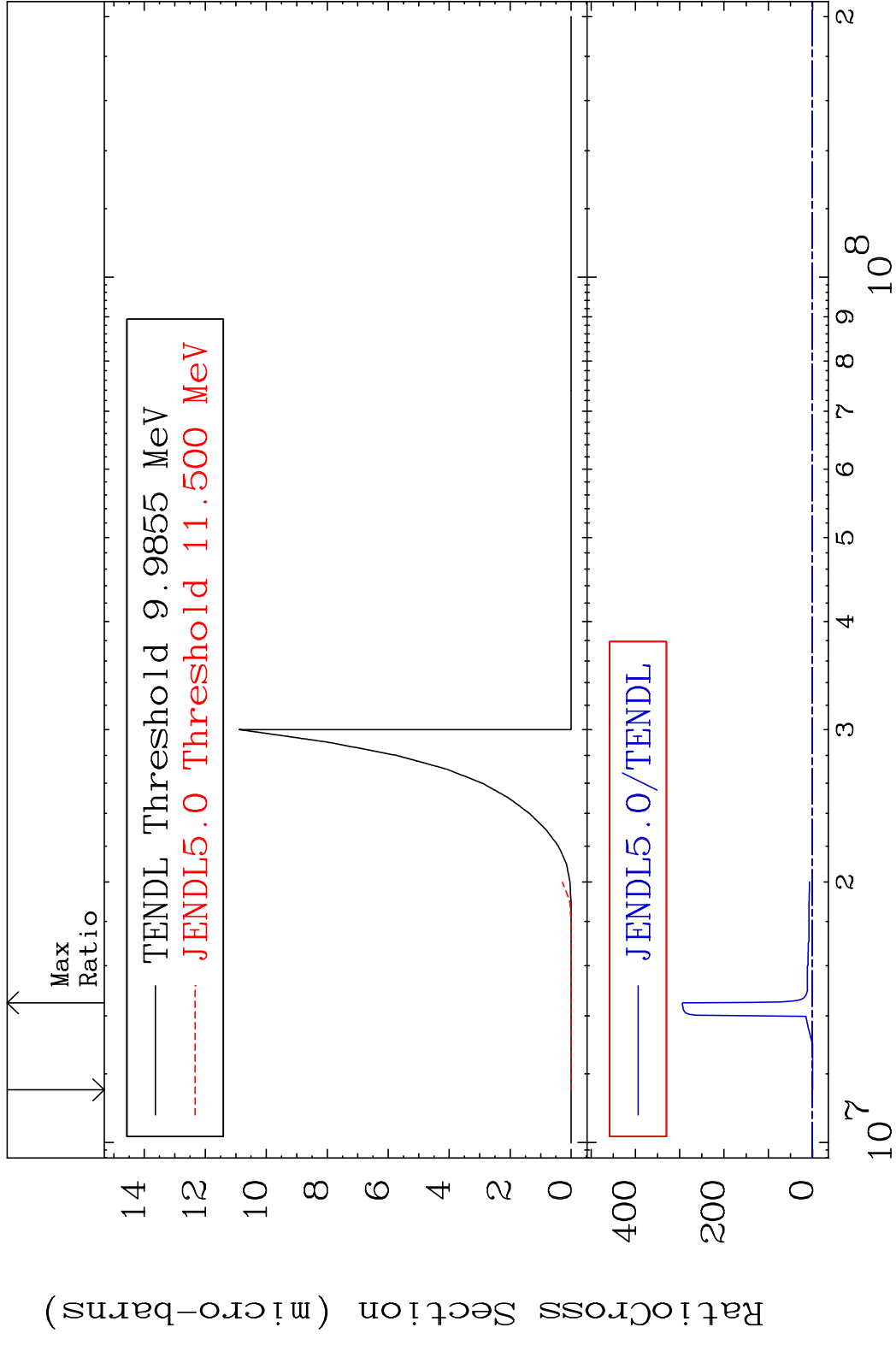
58-Ce-136

MAT 5825 (n,p) α 58-Ce-136
 Cross Section -100.0 To 2457. %



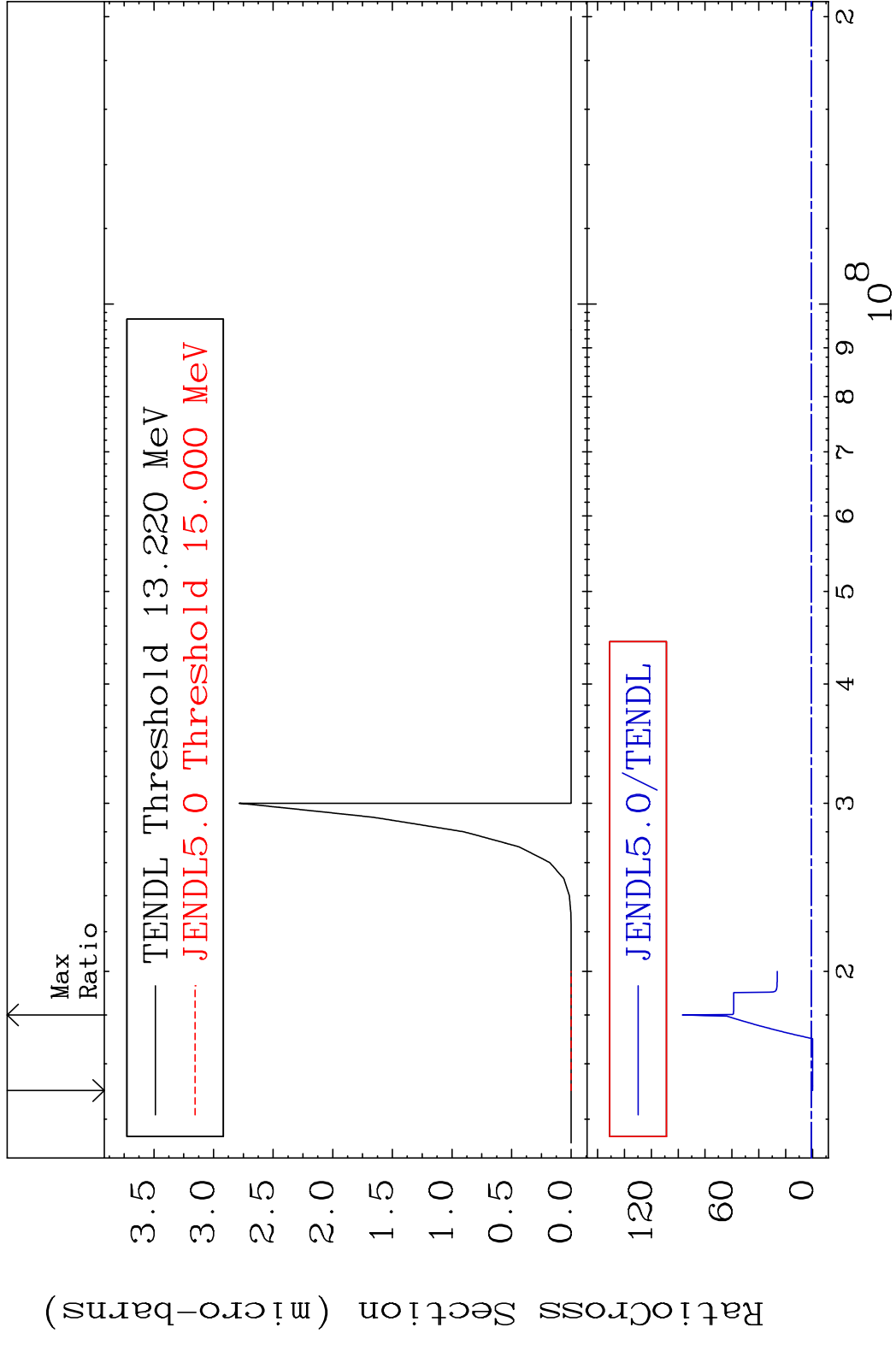
40 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,p) d 58-Ce-136
Cross Section -100.0 To 9999. %



41 58-Ce-136

MAT 5825 (n,p) t 58-Ce-136
 Cross Section -100.0 To 9591. %

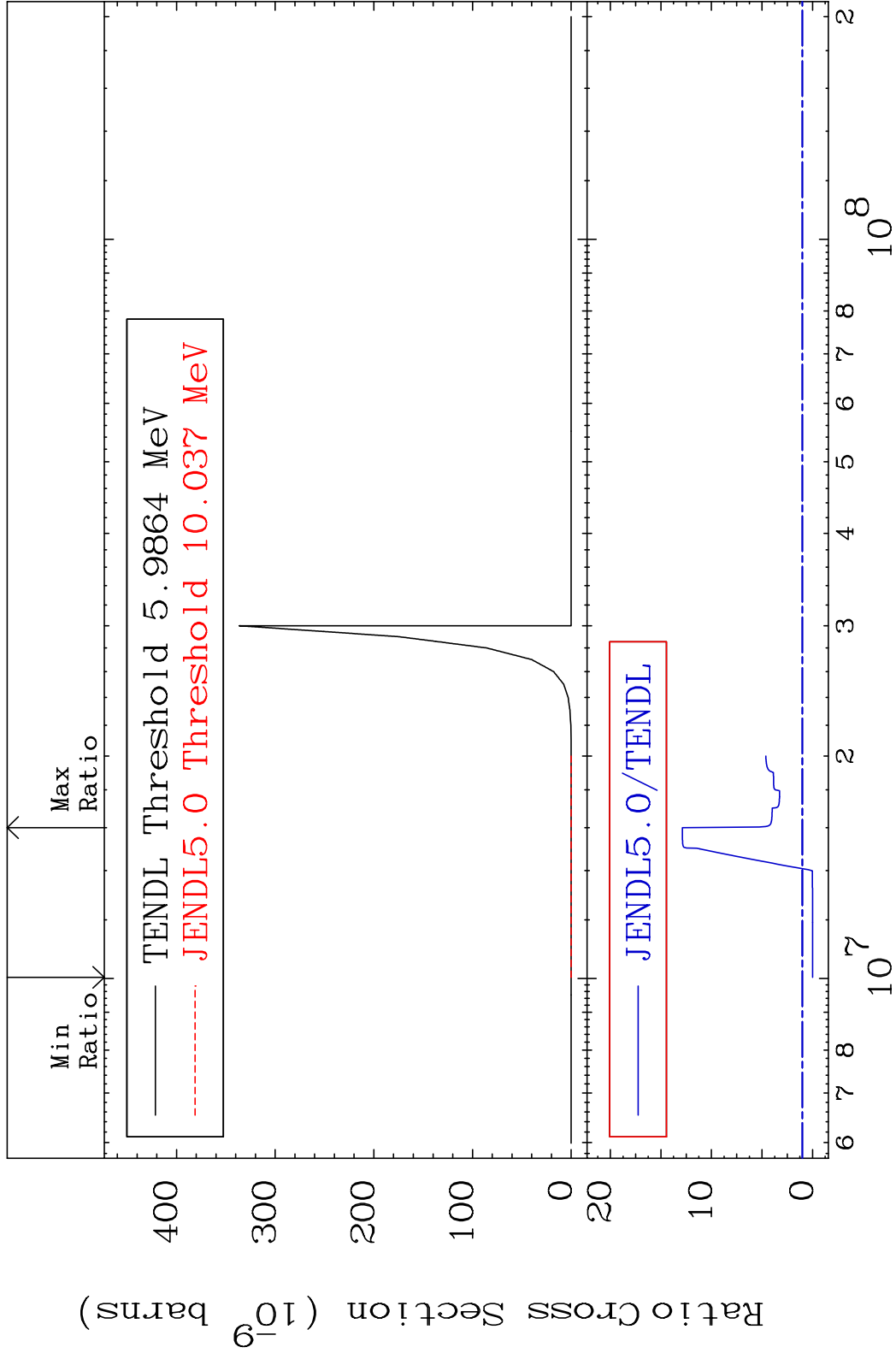


MAT 5825

(n,d) α

58-Ce-136

Cross Section -100.0 To 1188. %

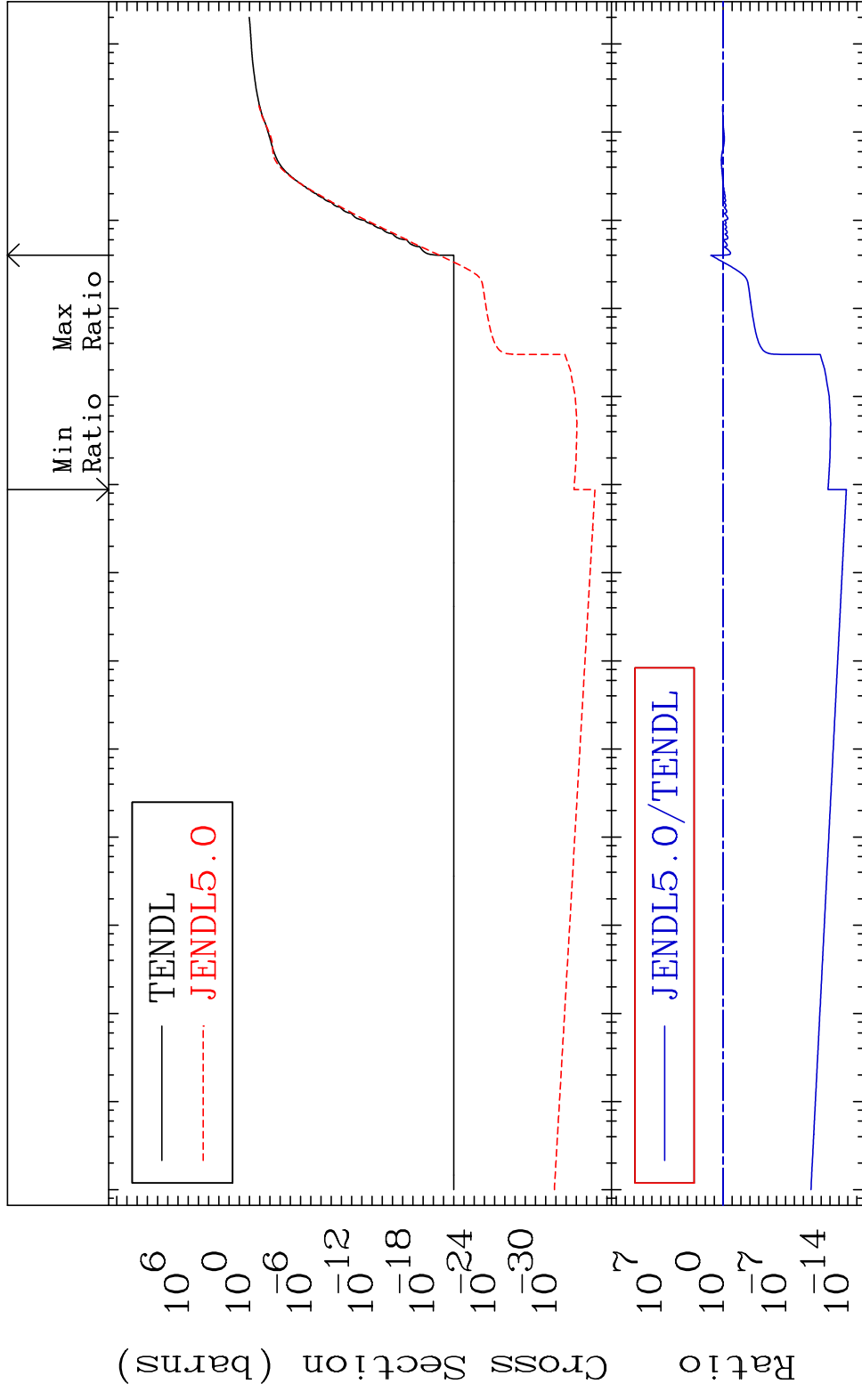


MAT 5825

Hydrogen Production

58-Ce-136

Cross Section -100.0 To 2378. %

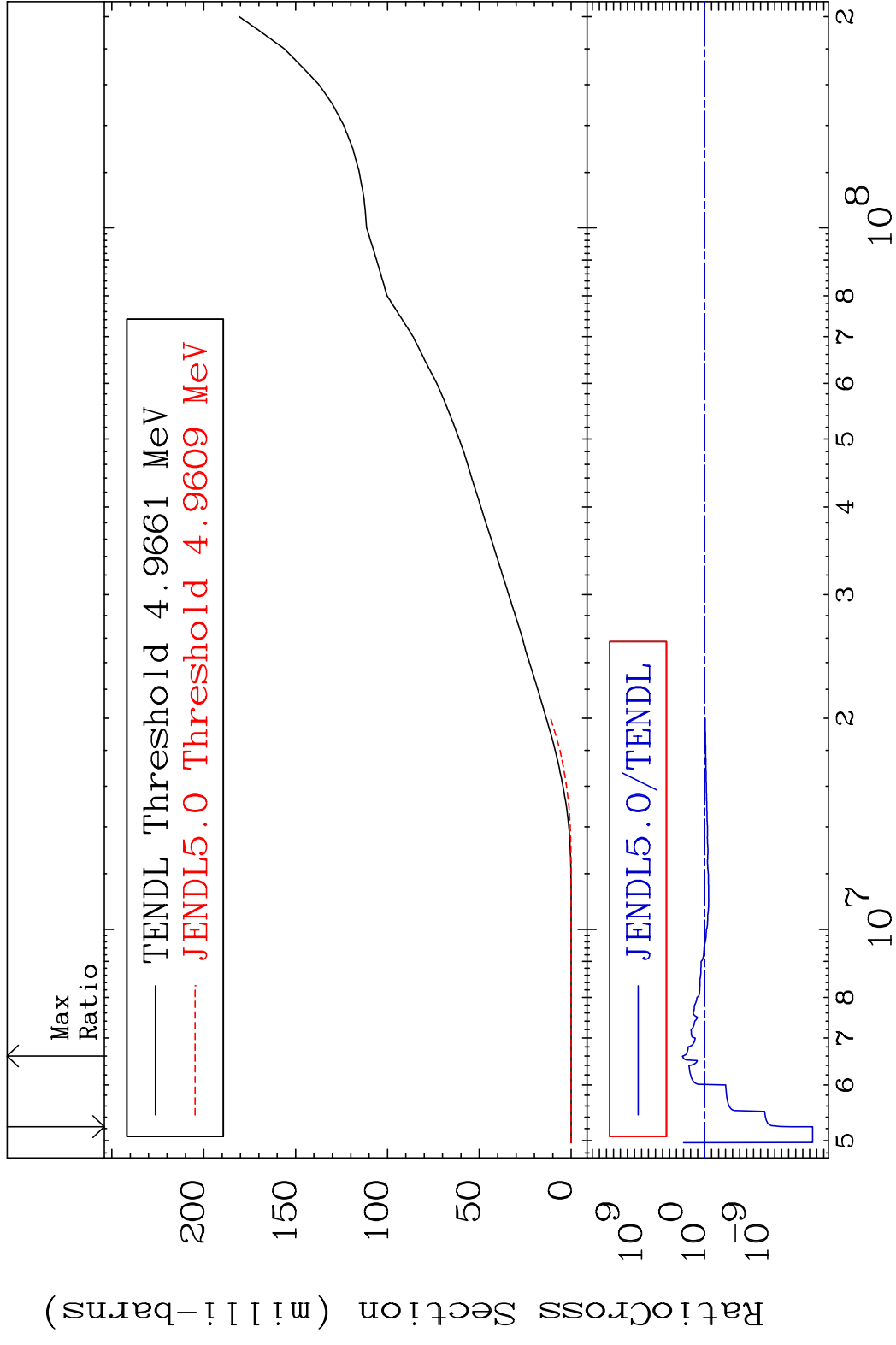


MAT 5825

Deuterium Production

58-Ce-136

Cross Section -100.0 To 9999. %



45

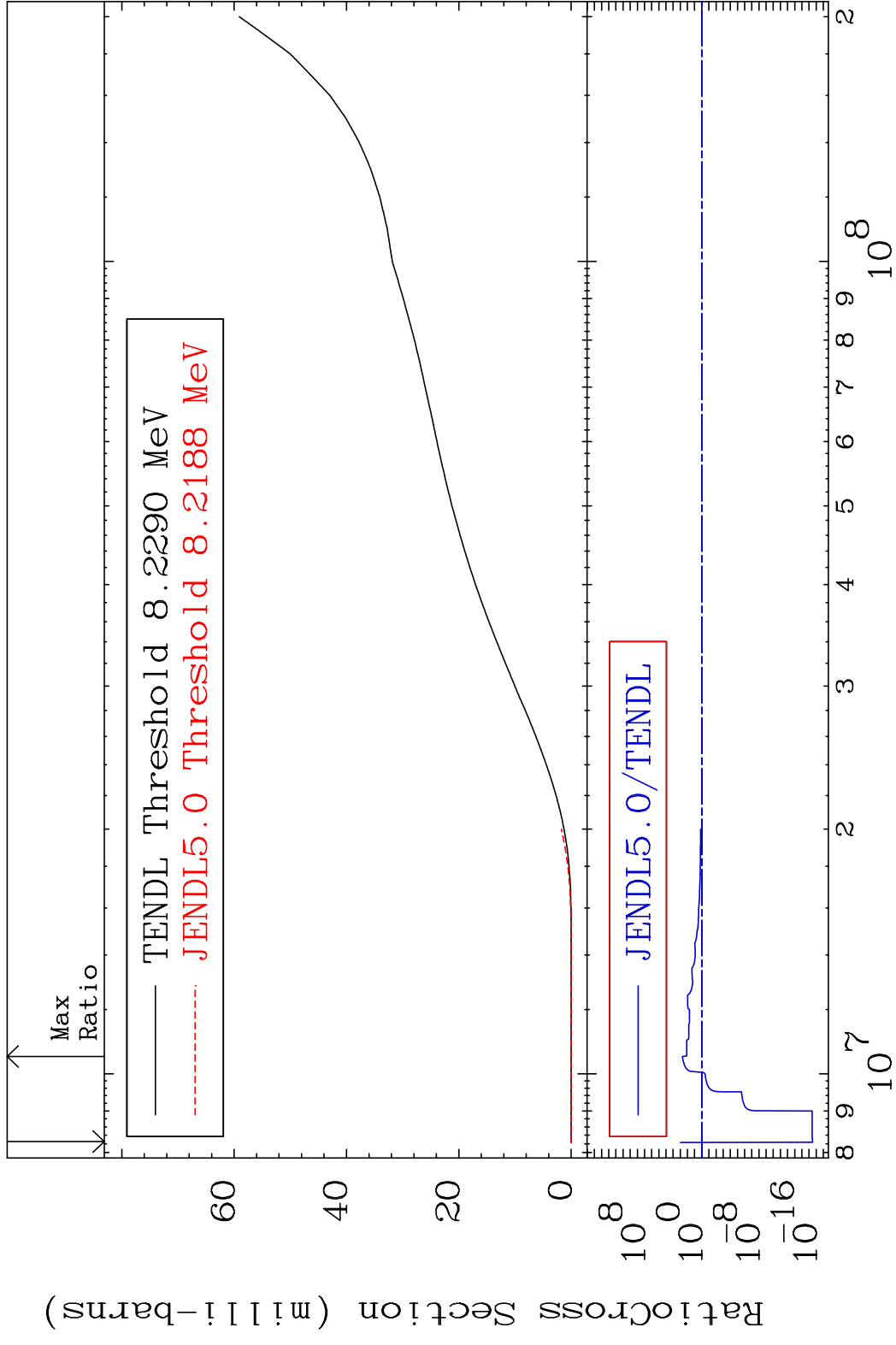
Incident Energy (eV)

58-Ce-136

MAT 5825

Tritium Production 58-Ce-136

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

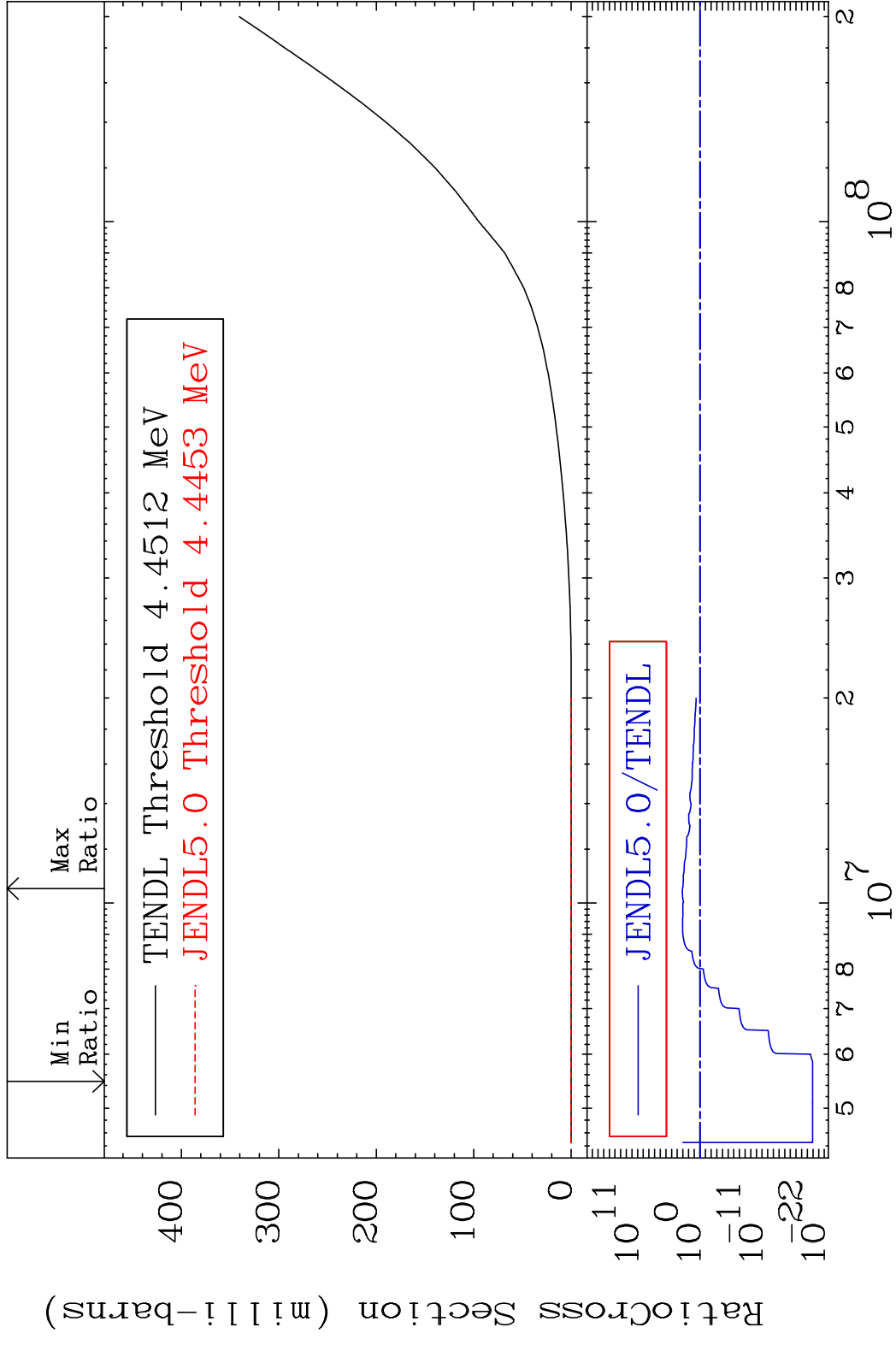
58-Ce-136

MAT 5825

He-3 Production

58-Ce-136

Cross Section -100.0 To 9999. %

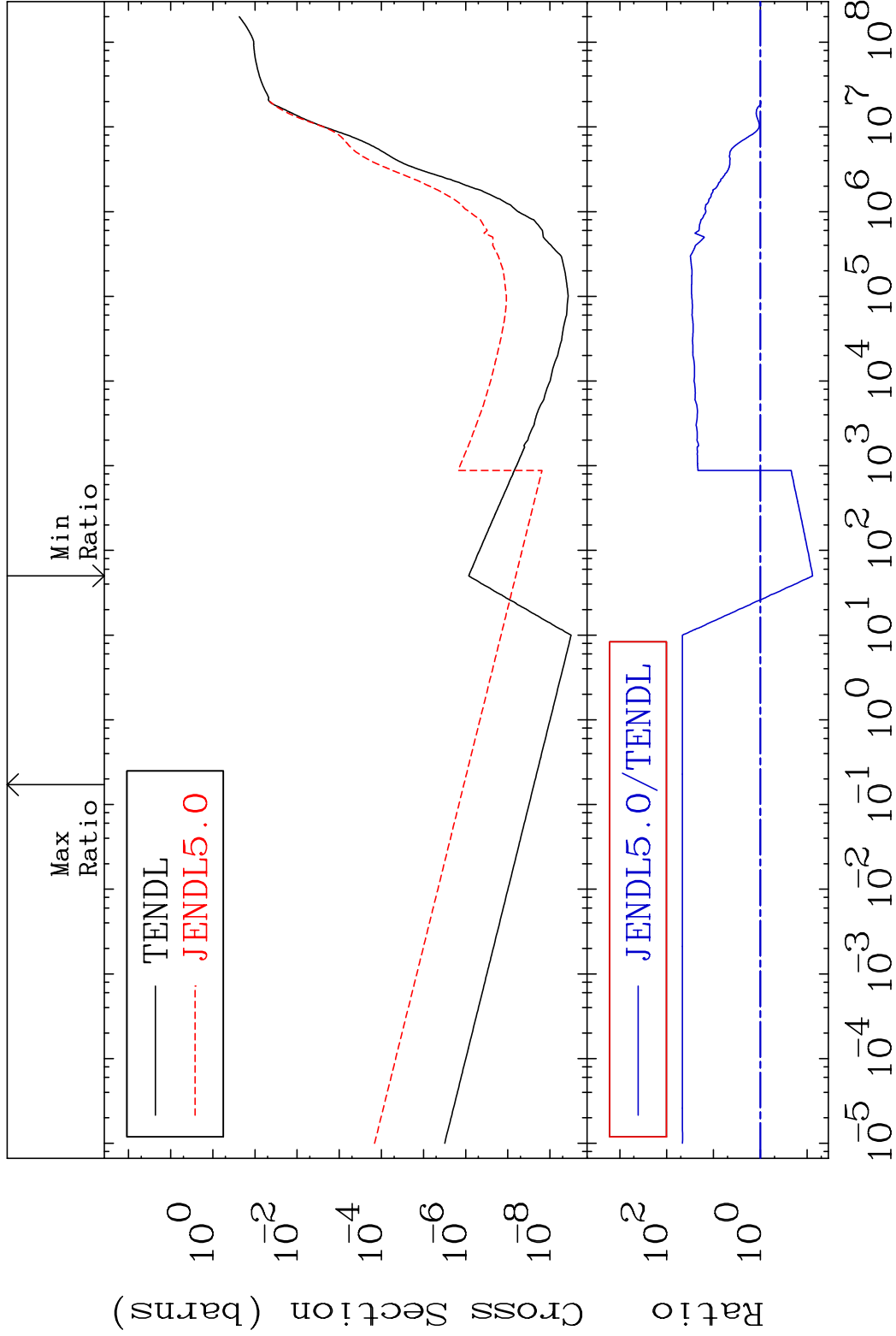


MAT 5825

He-4 Production

58-Ce-136

Cross Section -92.31 To 4525. %

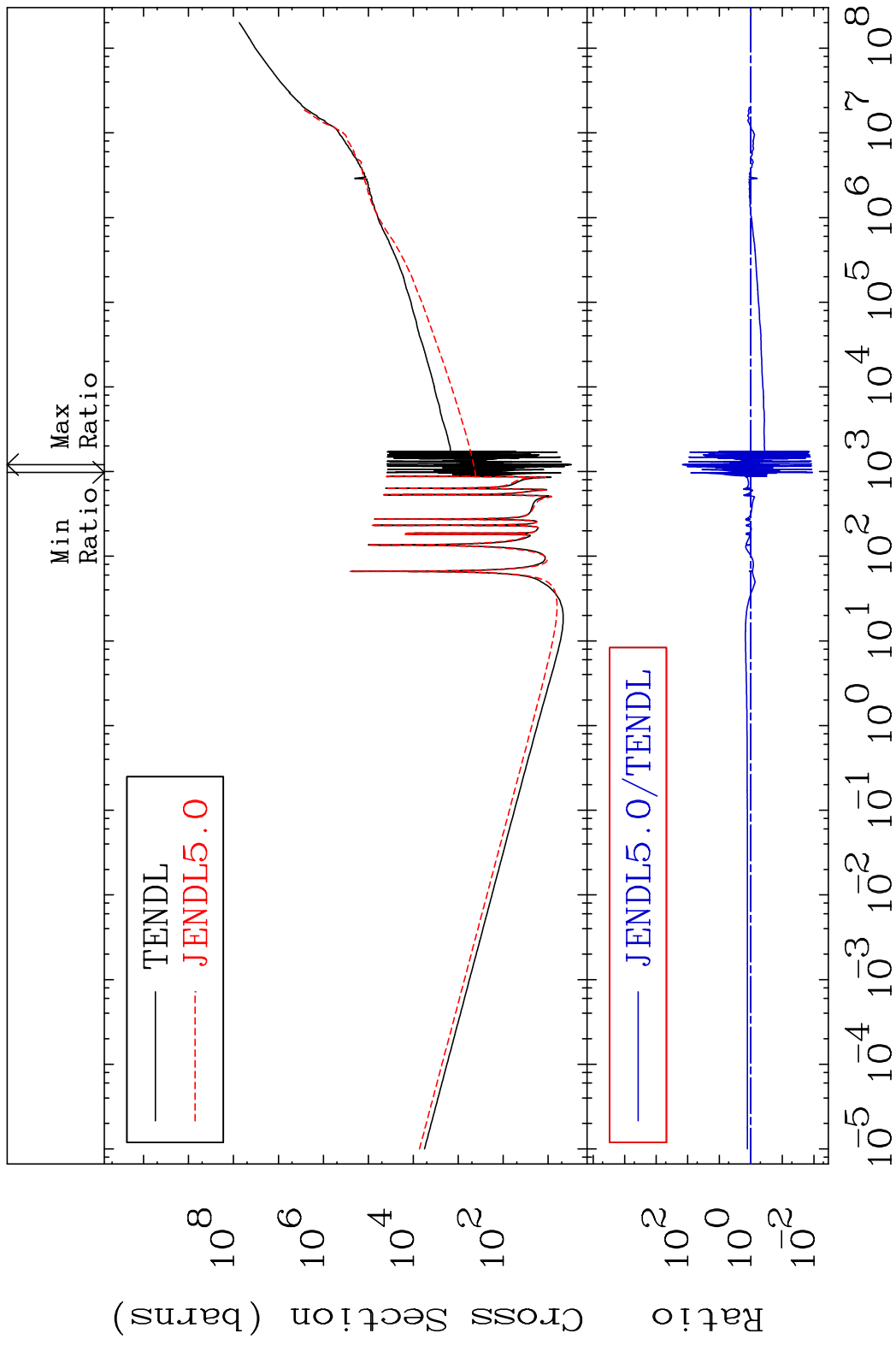


48

Incident Energy (eV)

58-Ce-136

MAT 5825 Kerma total (eV-barns) 58-Ce-136
 Cross Section -98.90 To 9999. %



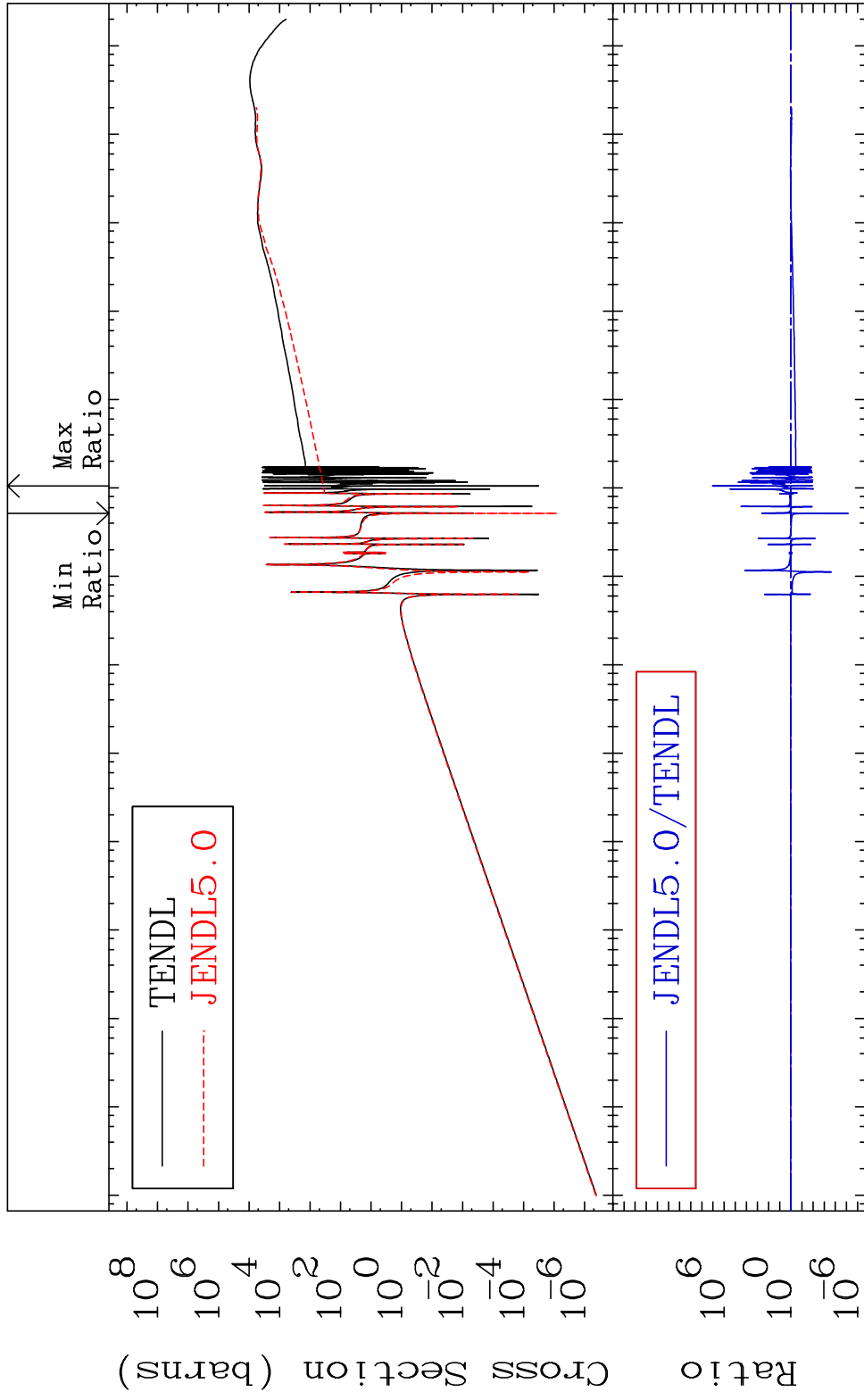
49 Incident Energy (eV) 58-Ce-136

MAT 5825

Kerma elastic

58-Ce-136

Cross Section -100.0 To 9999. %

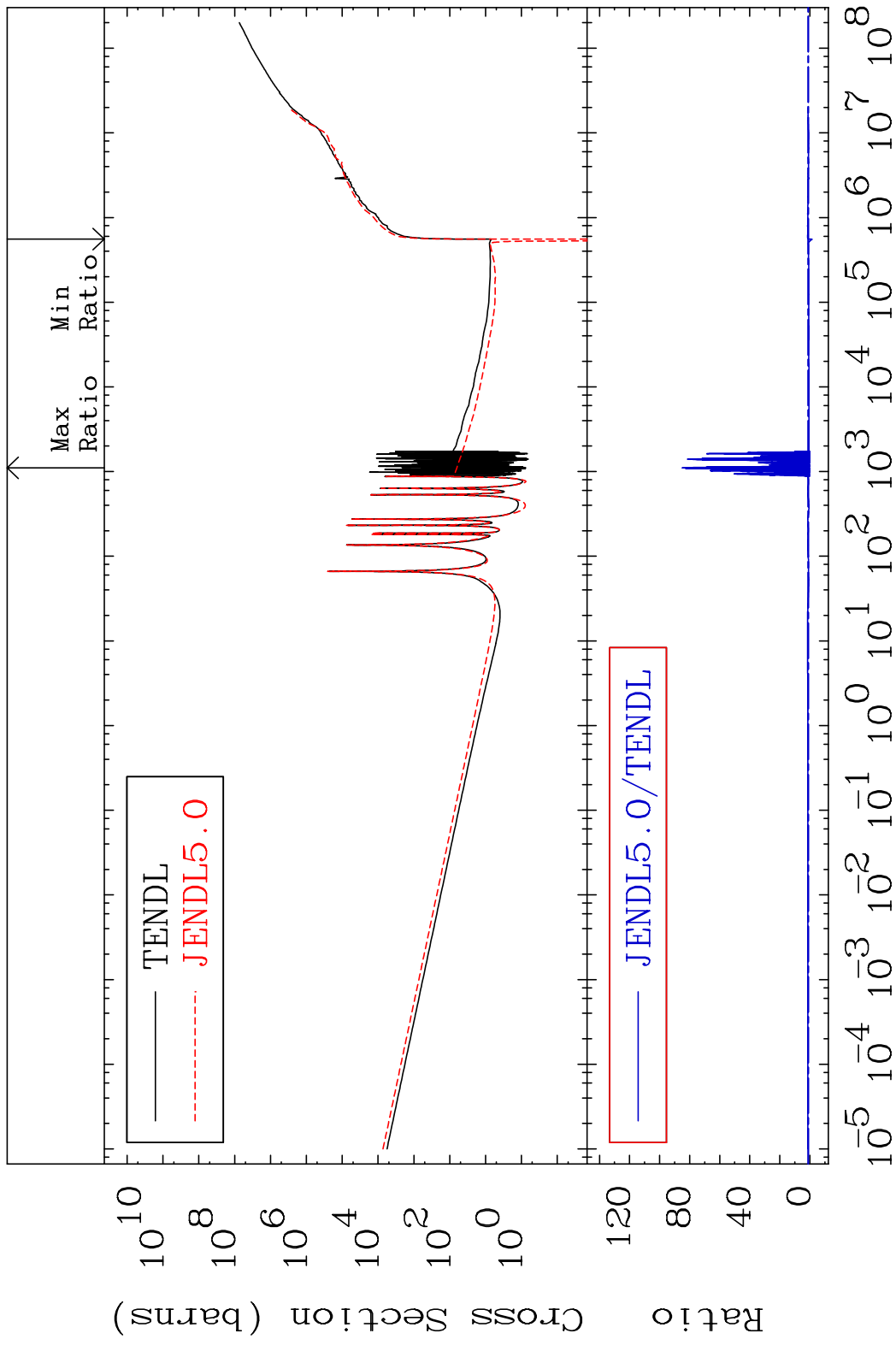


50

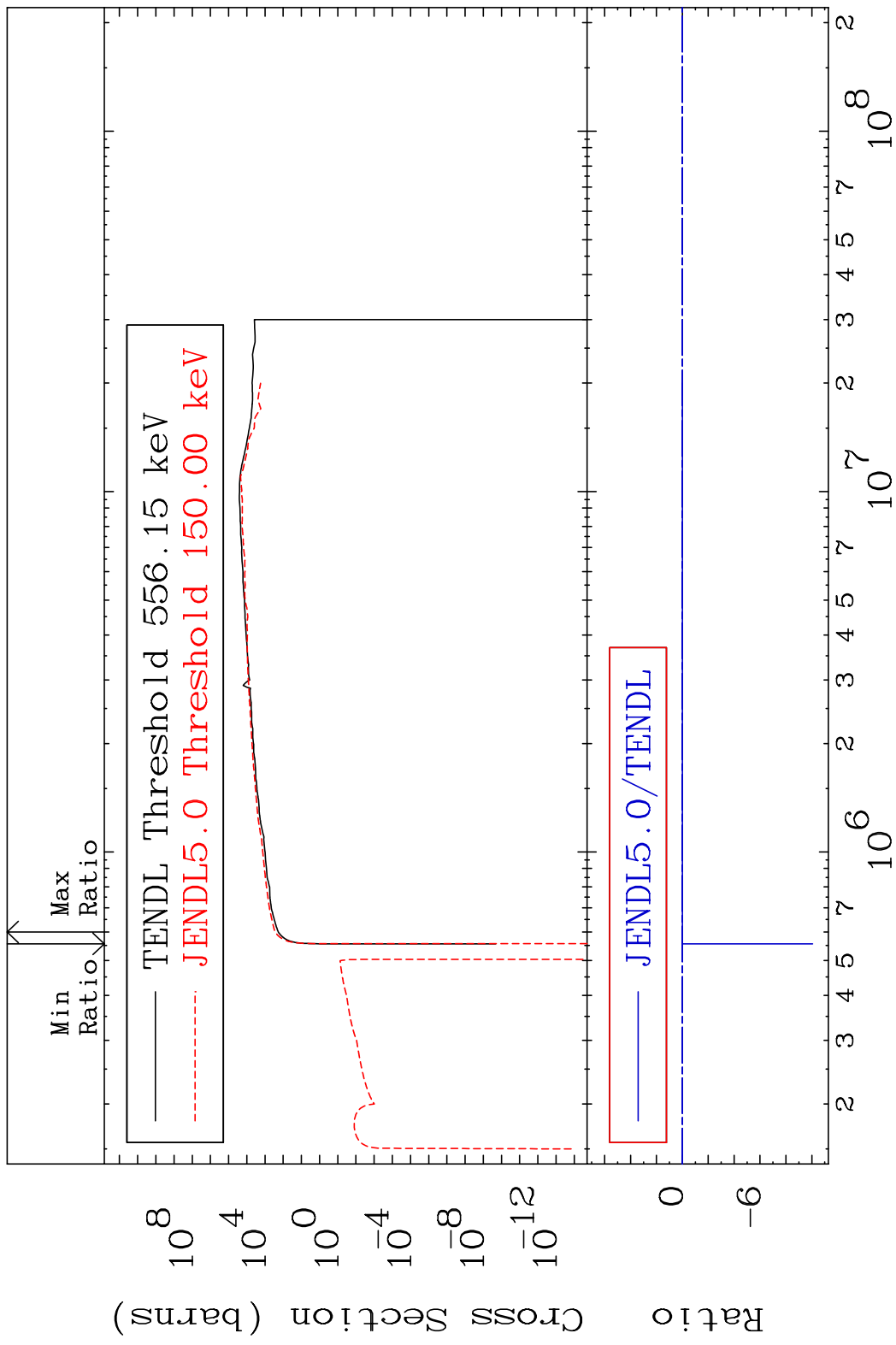
Incident Energy (eV)

58-Ce-136

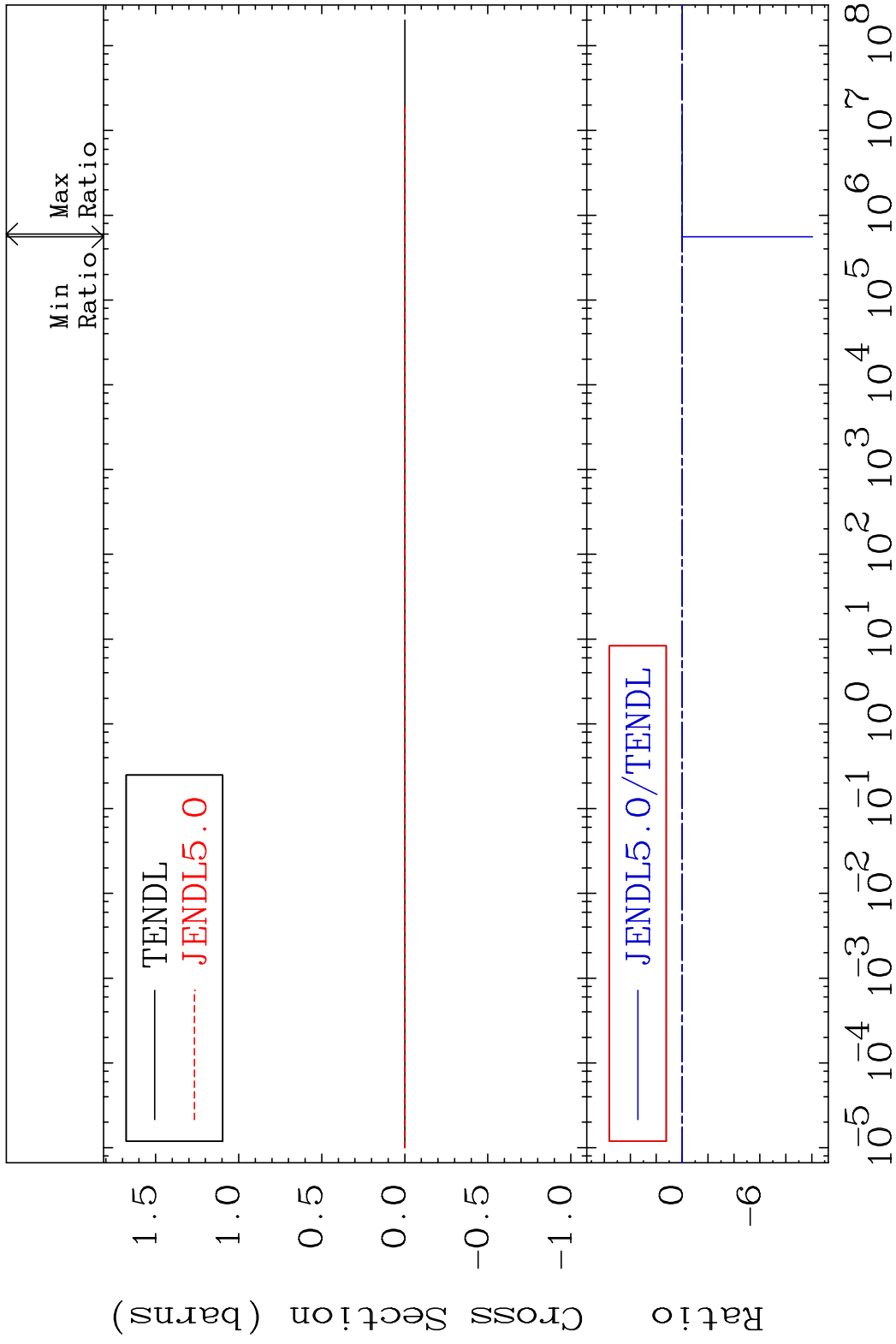
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -281.7 To 8385. %



MAT 5825 Kerma inelastic (mt51-91) 58-Ce-136
 Cross Section -9999. To 51.87 %

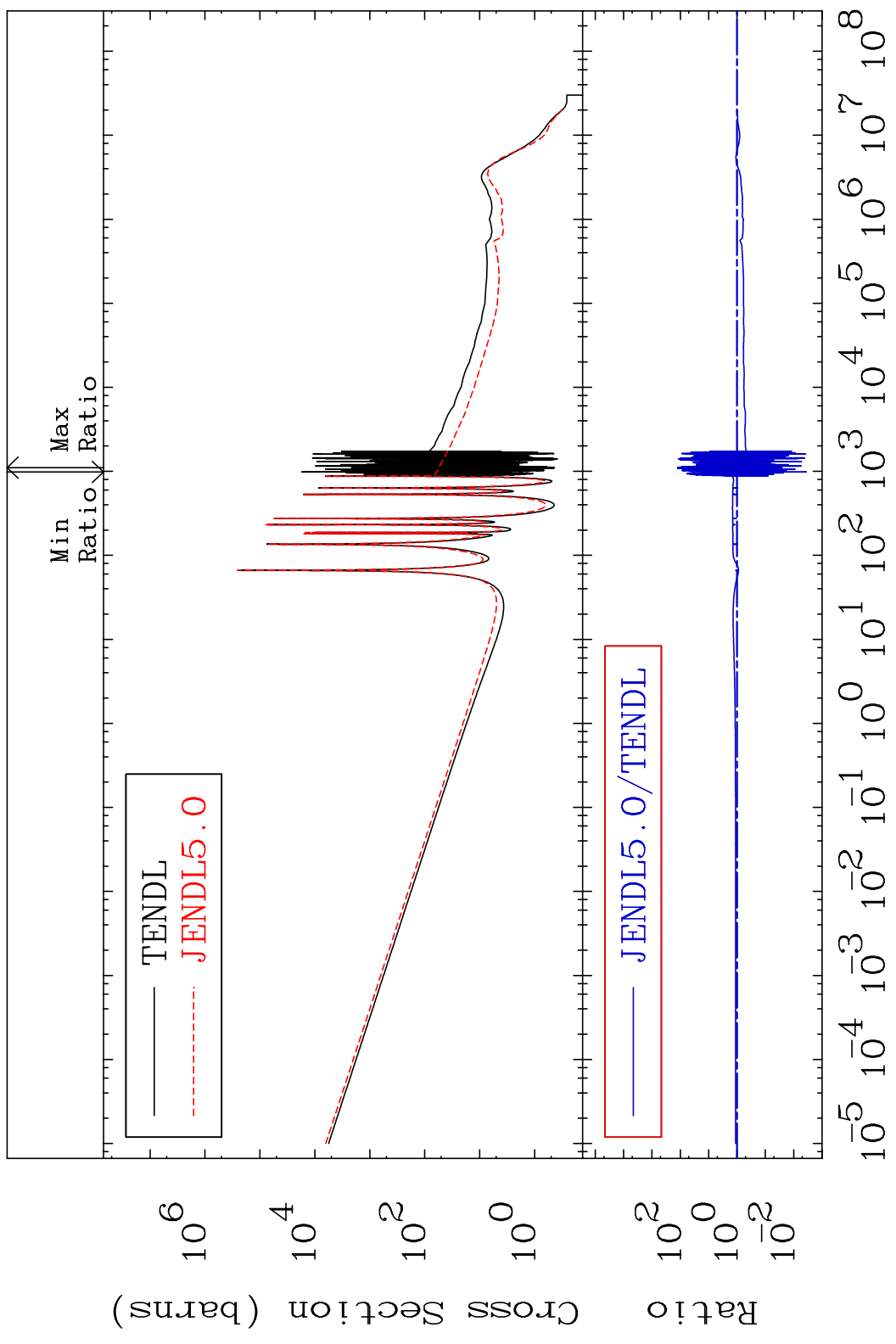


MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
 Cross Section -9999. To 51.87 %



MAT 5825

Kerma capture (mt102) 58-Ce-136
Cross Section -99.64 To 9999. %

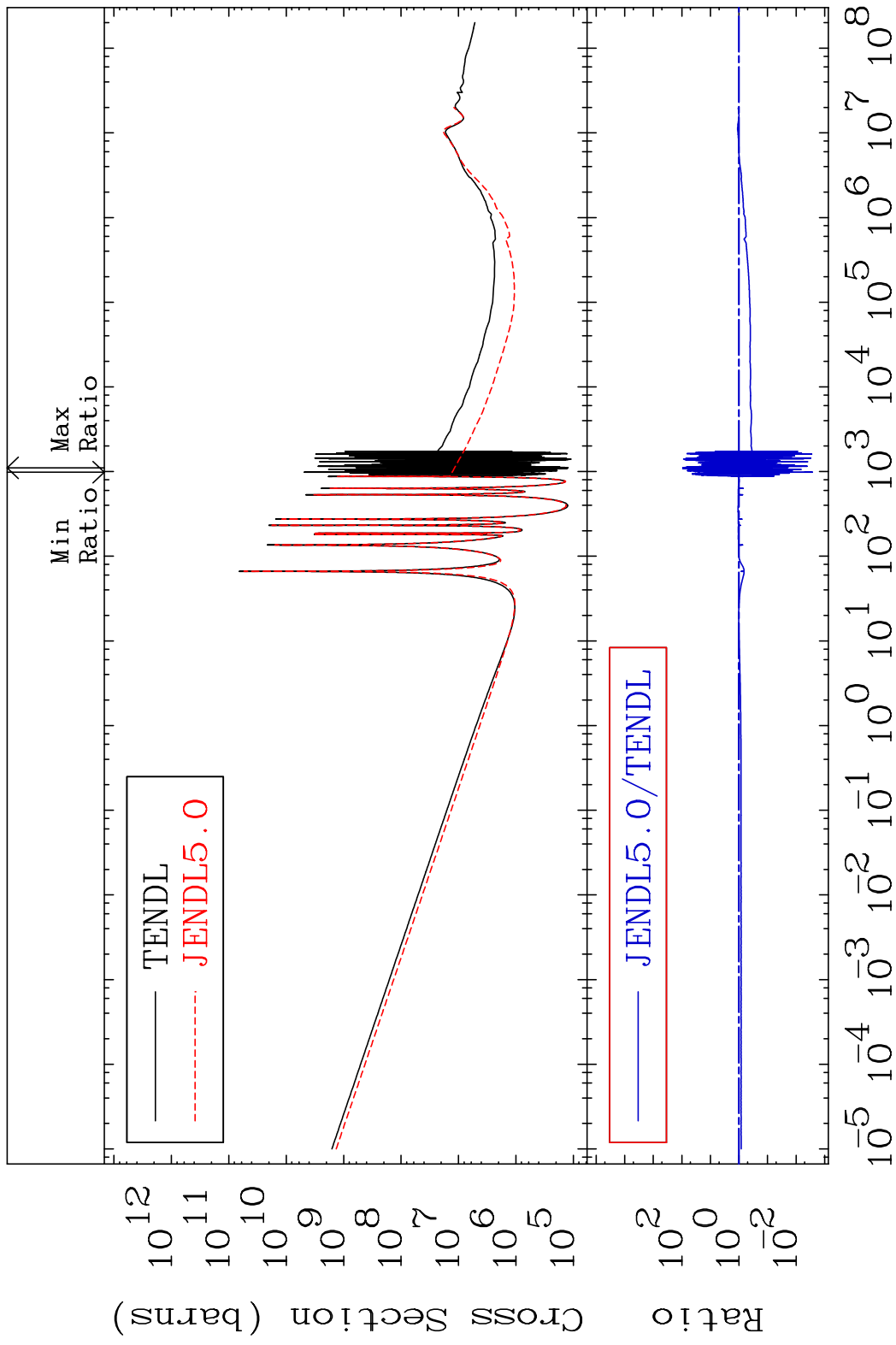


54

Incident Energy (eV)

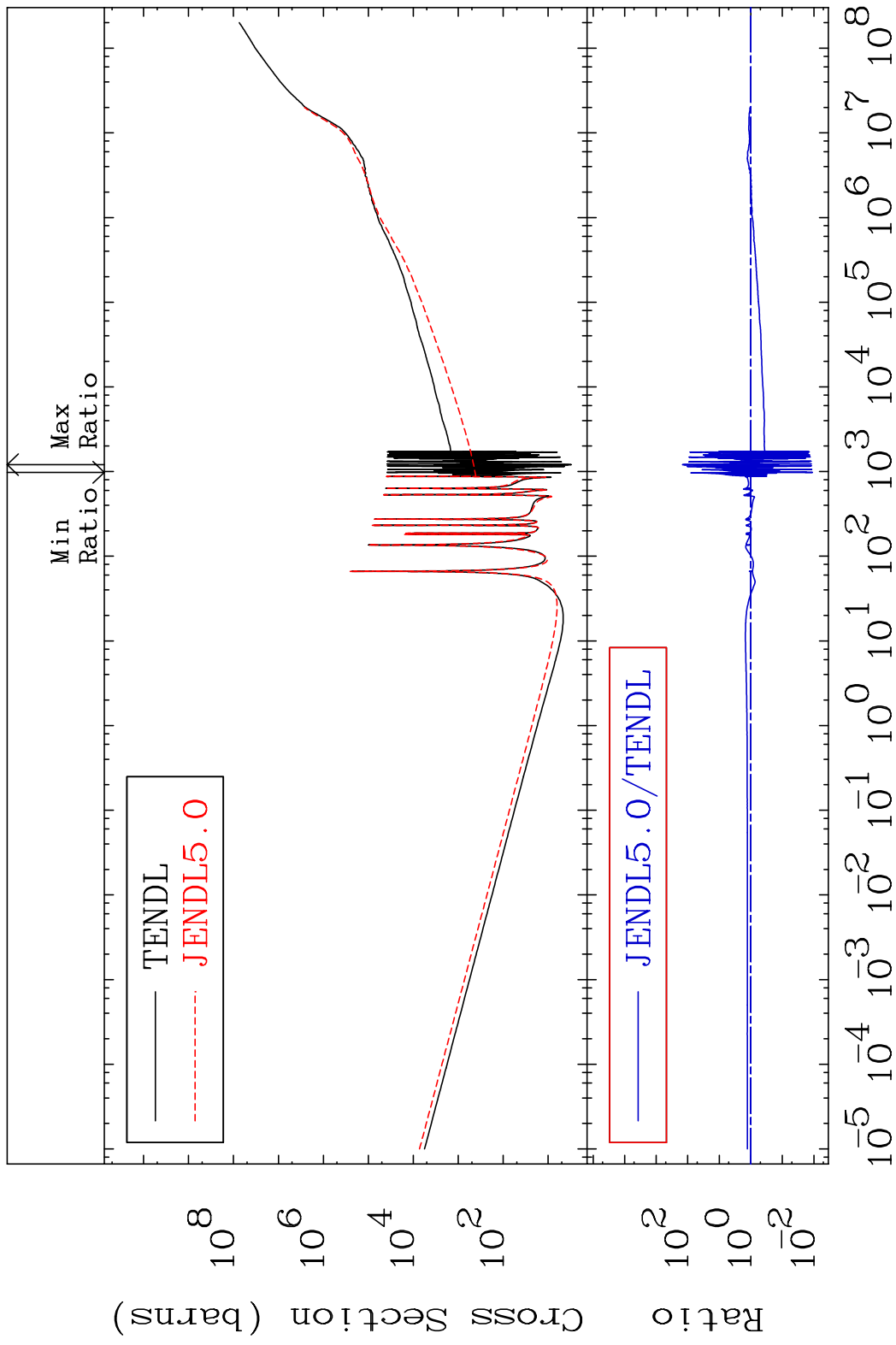
58-Ce-136

MAT 5825 Total photon (eV-barns) 58-Ce-136
Cross Section -99.74 To 9489. %

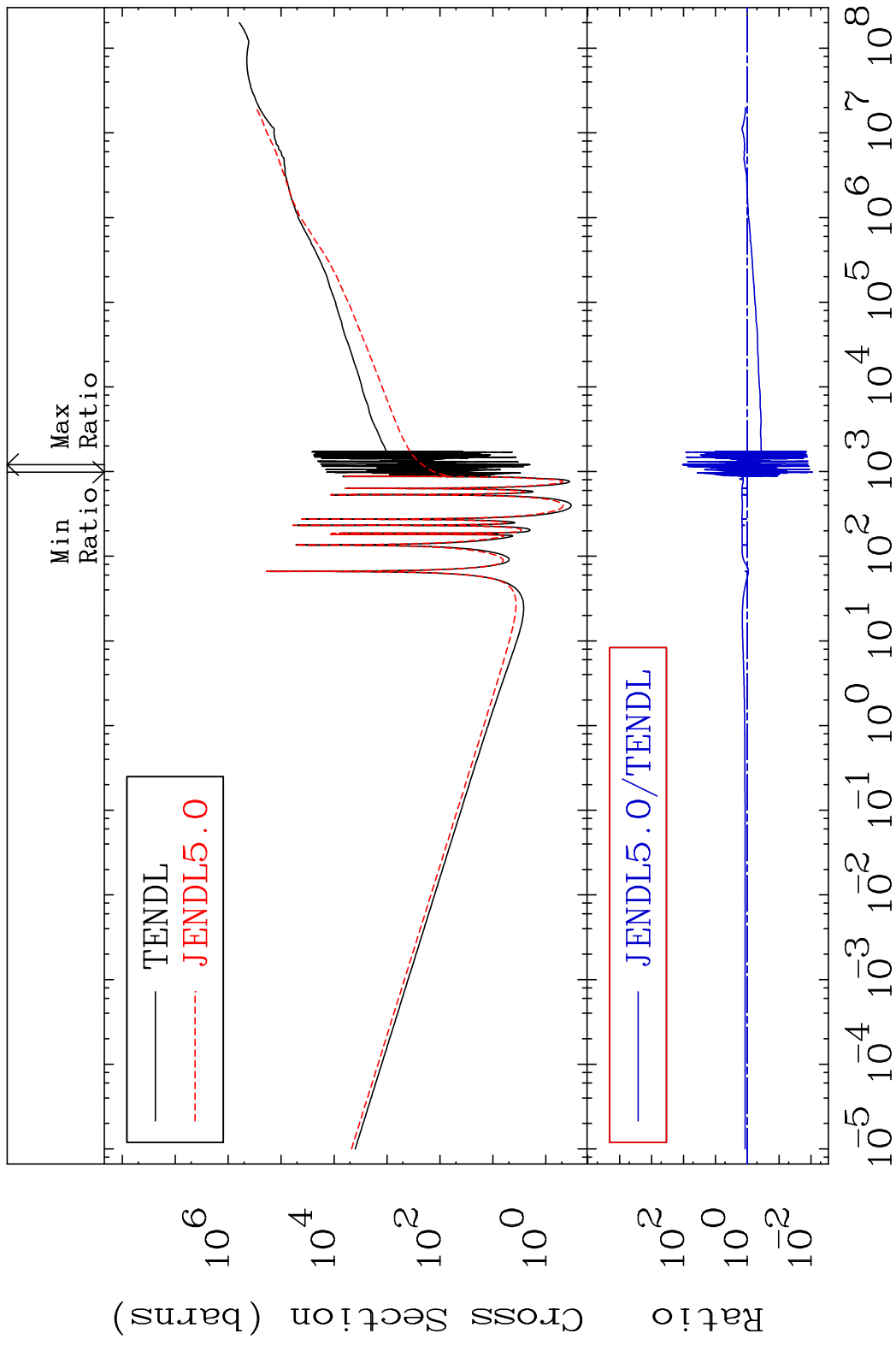


55 Incident Energy (eV) 58-Ce-136

MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -98.90 To 9999. %



MAT 5825 Dpa total (eV-barns) 58-Ce-136
 Cross Section -99.10 To 9999. %



57 Incident Energy (eV) 58-Ce-136

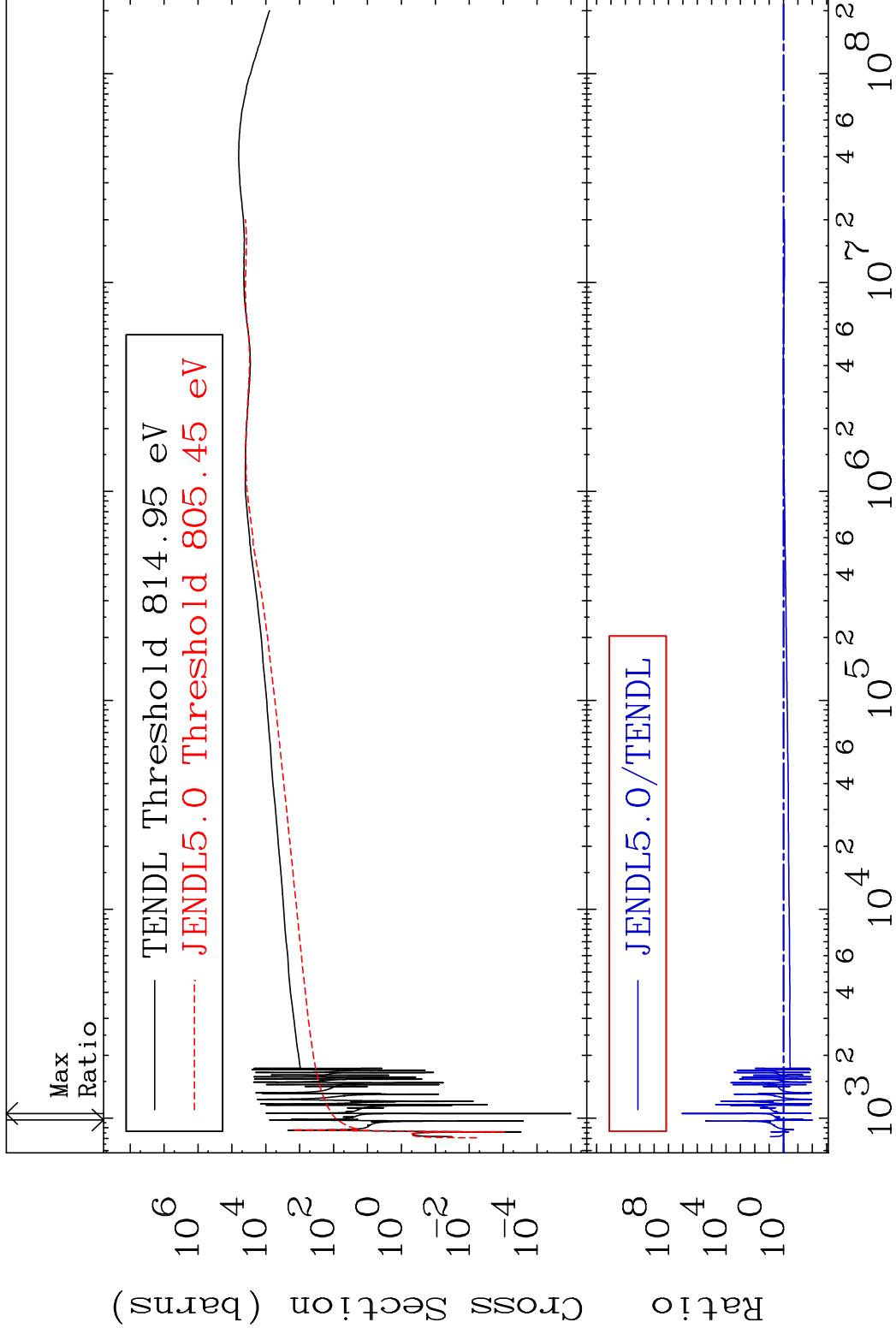
MAT 5825

Dpa elastic (mt2)

58-Ce-136

Cross Section

-99.02 To 9999. %

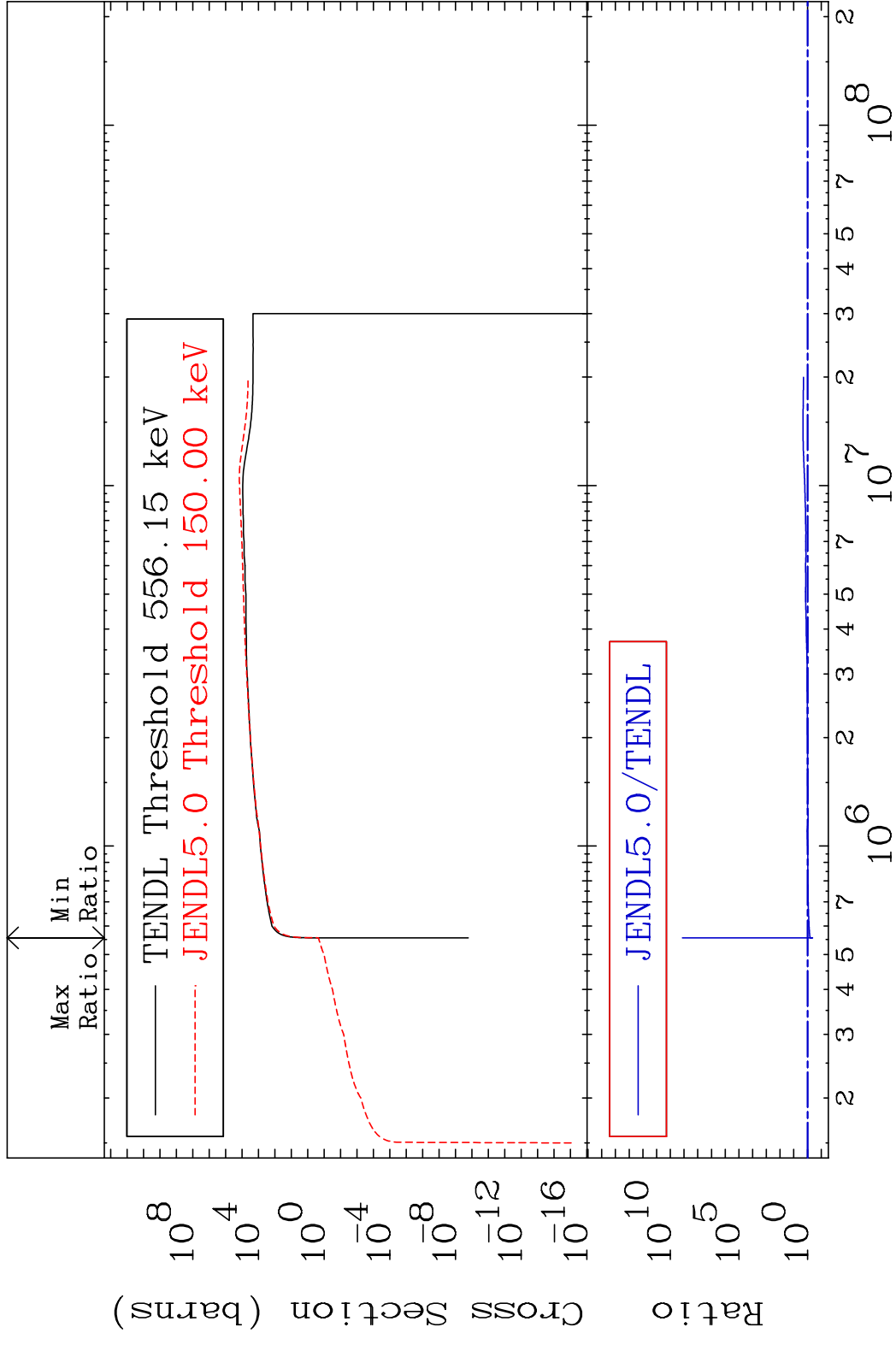


58

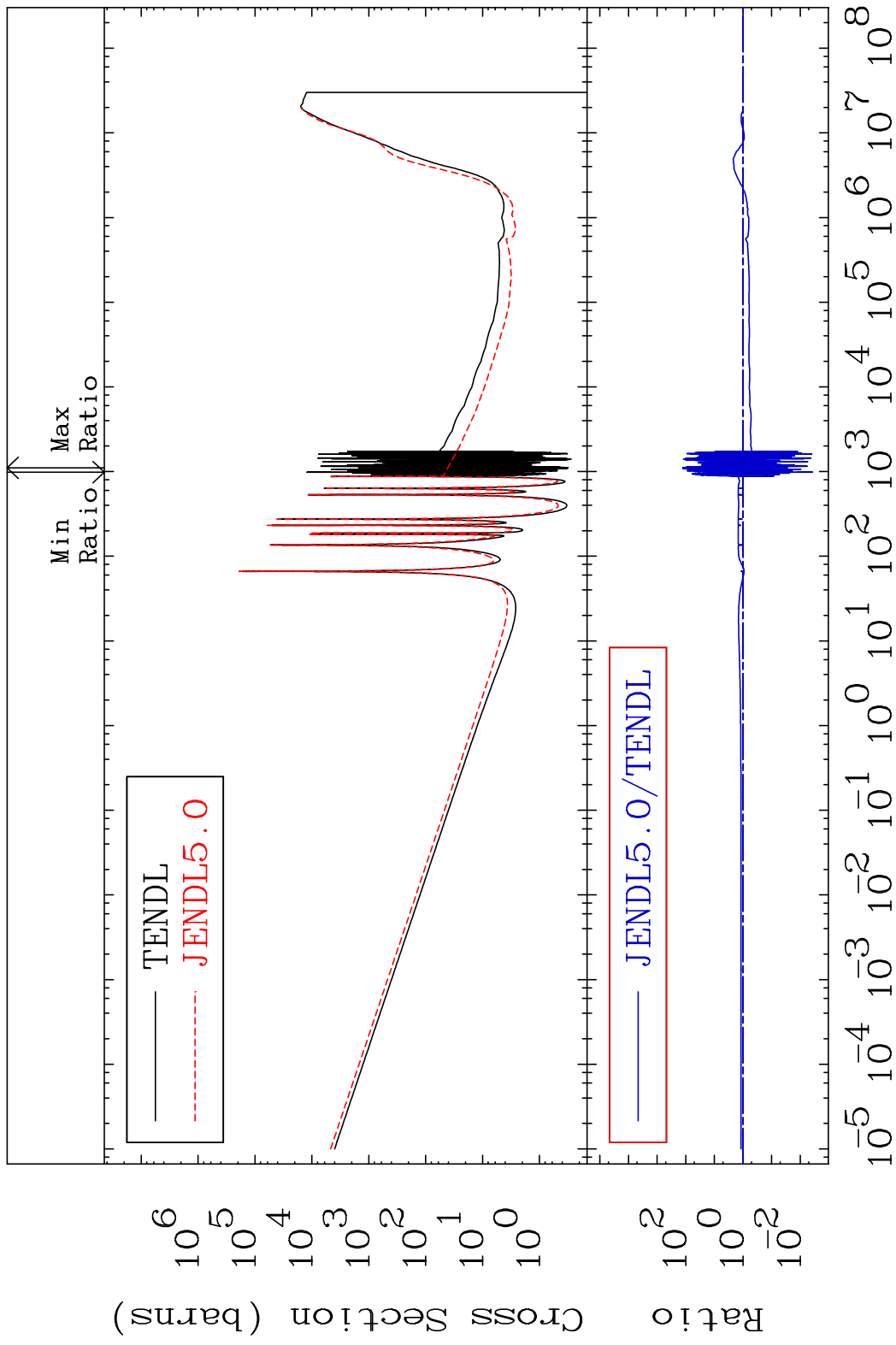
Incident Energy (eV)

58-Ce-136

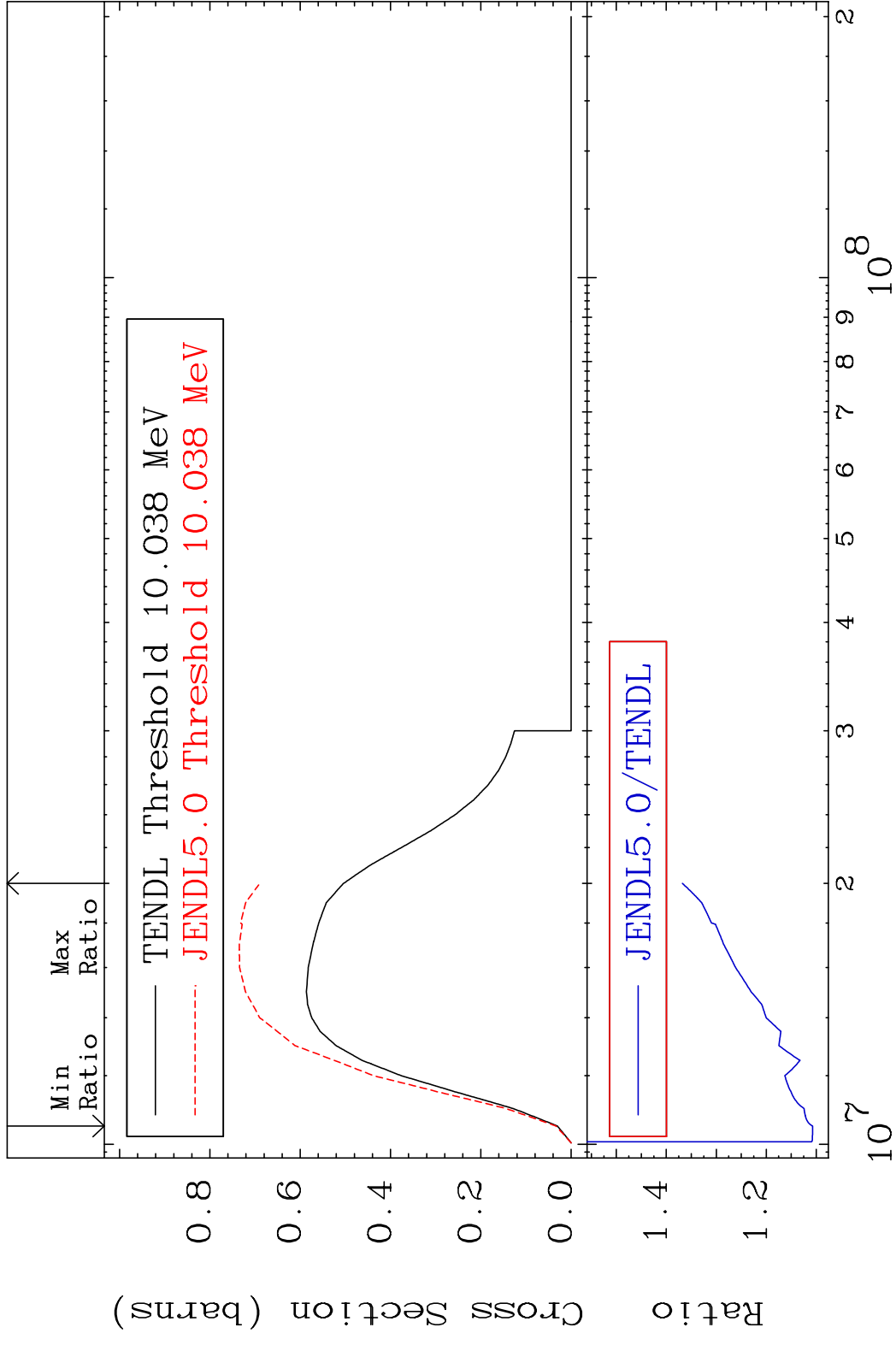
MAT 5825 Dpa inelastic (mt51-91) 58-Ce-136
 Cross Section -57.23 To 9999. %



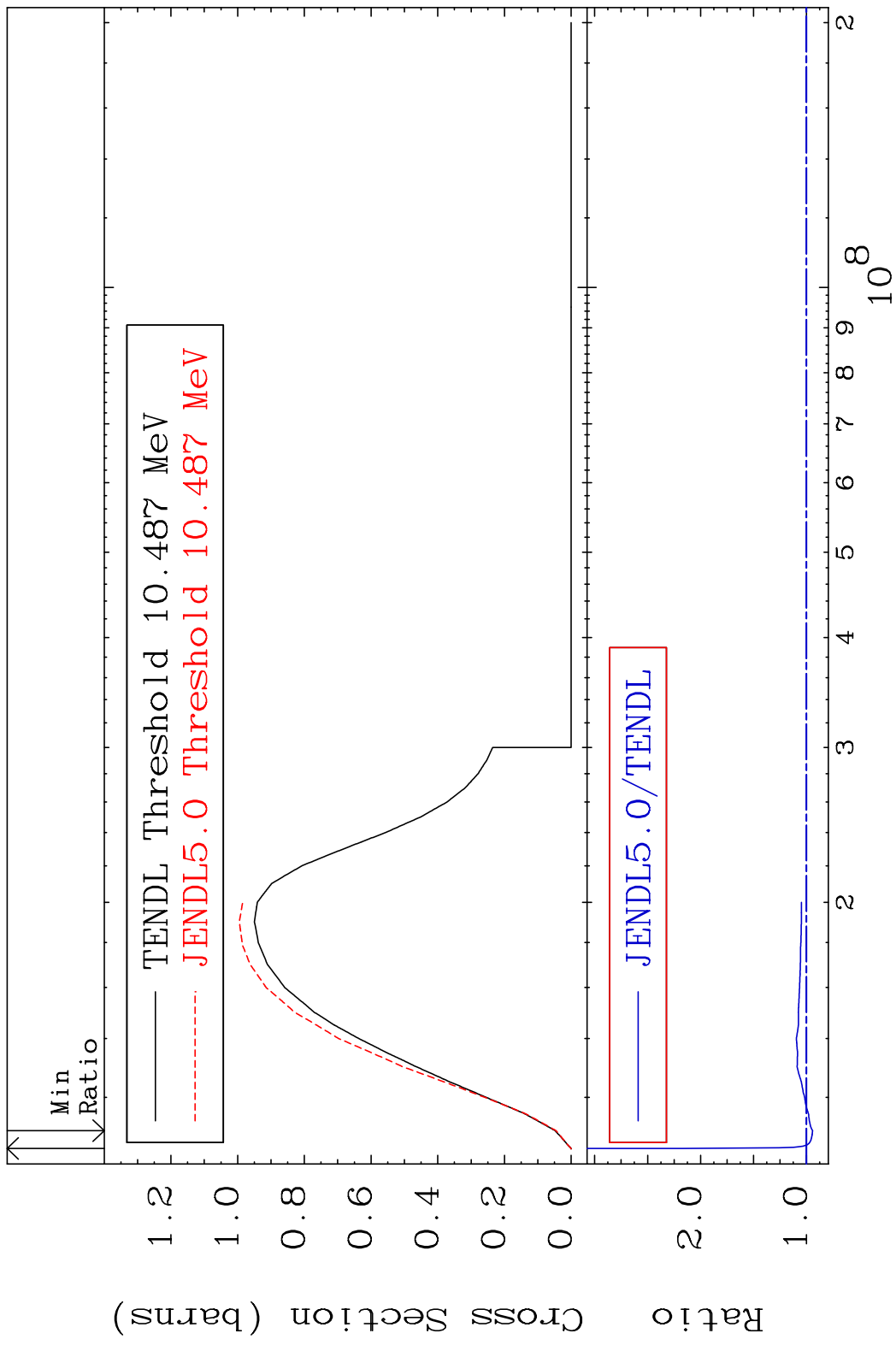
MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
 Cross Section -99.63 To 9999. %



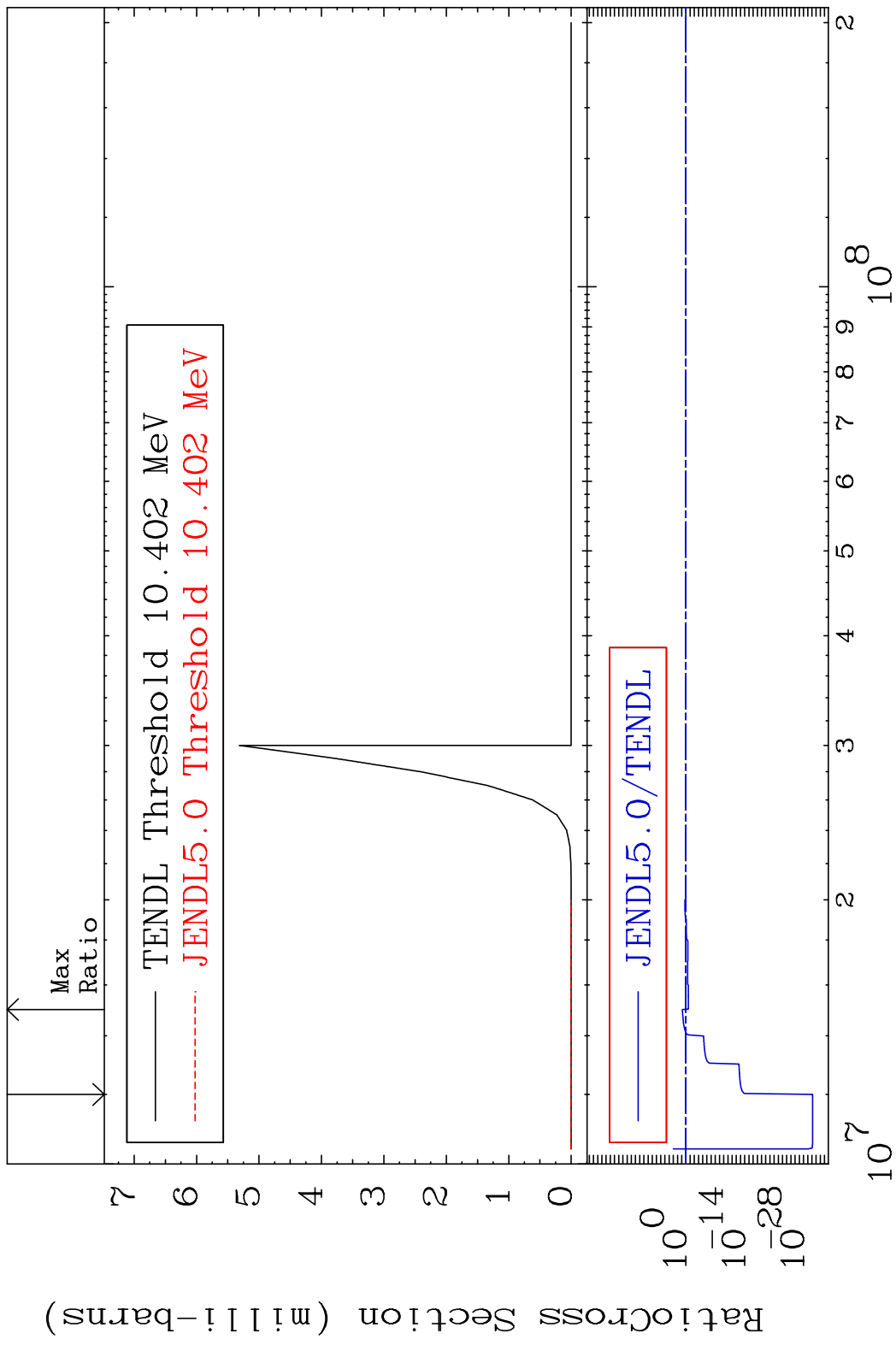
MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 36.79 %



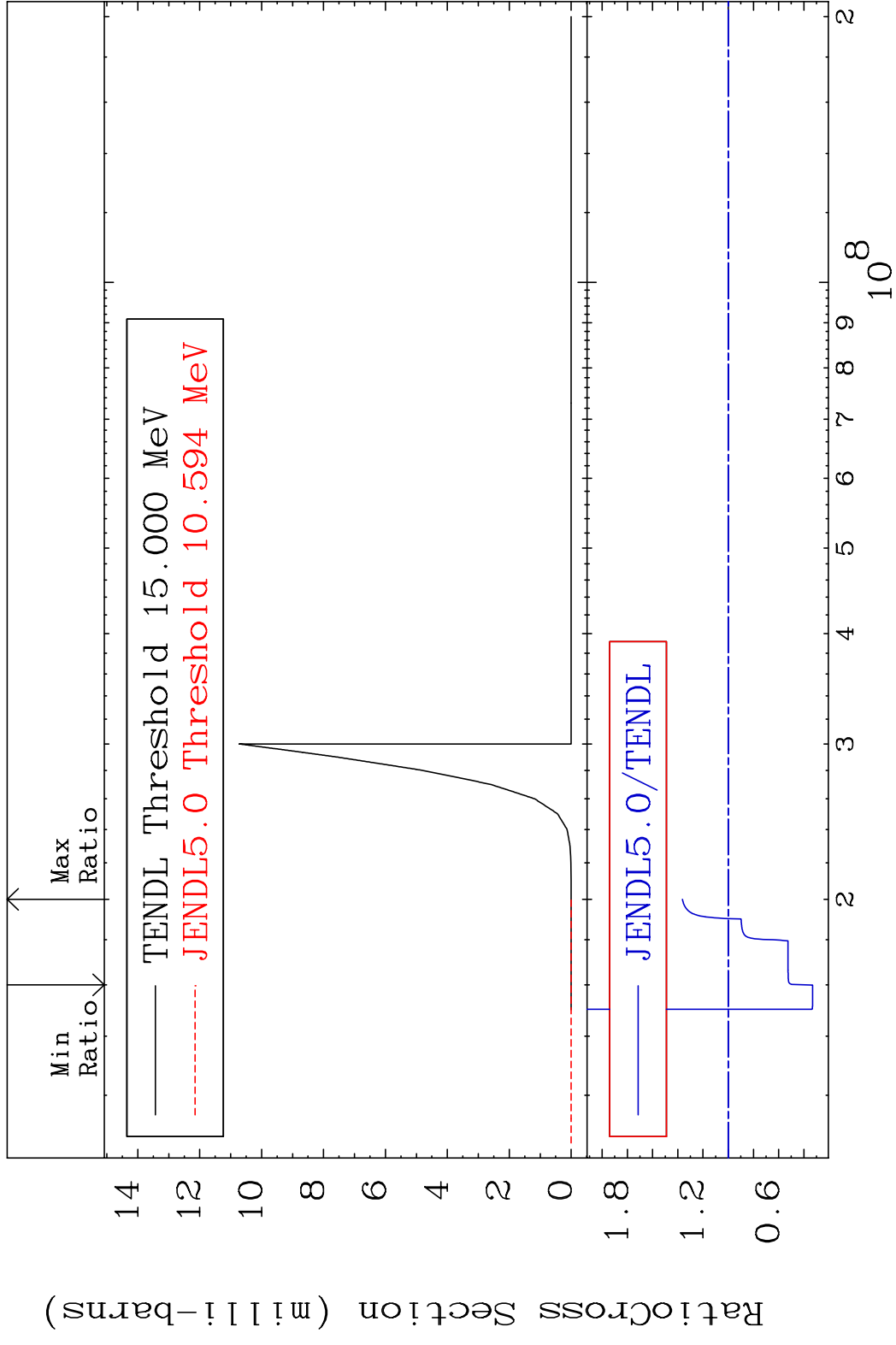
MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 58003.dfo 117.2 %



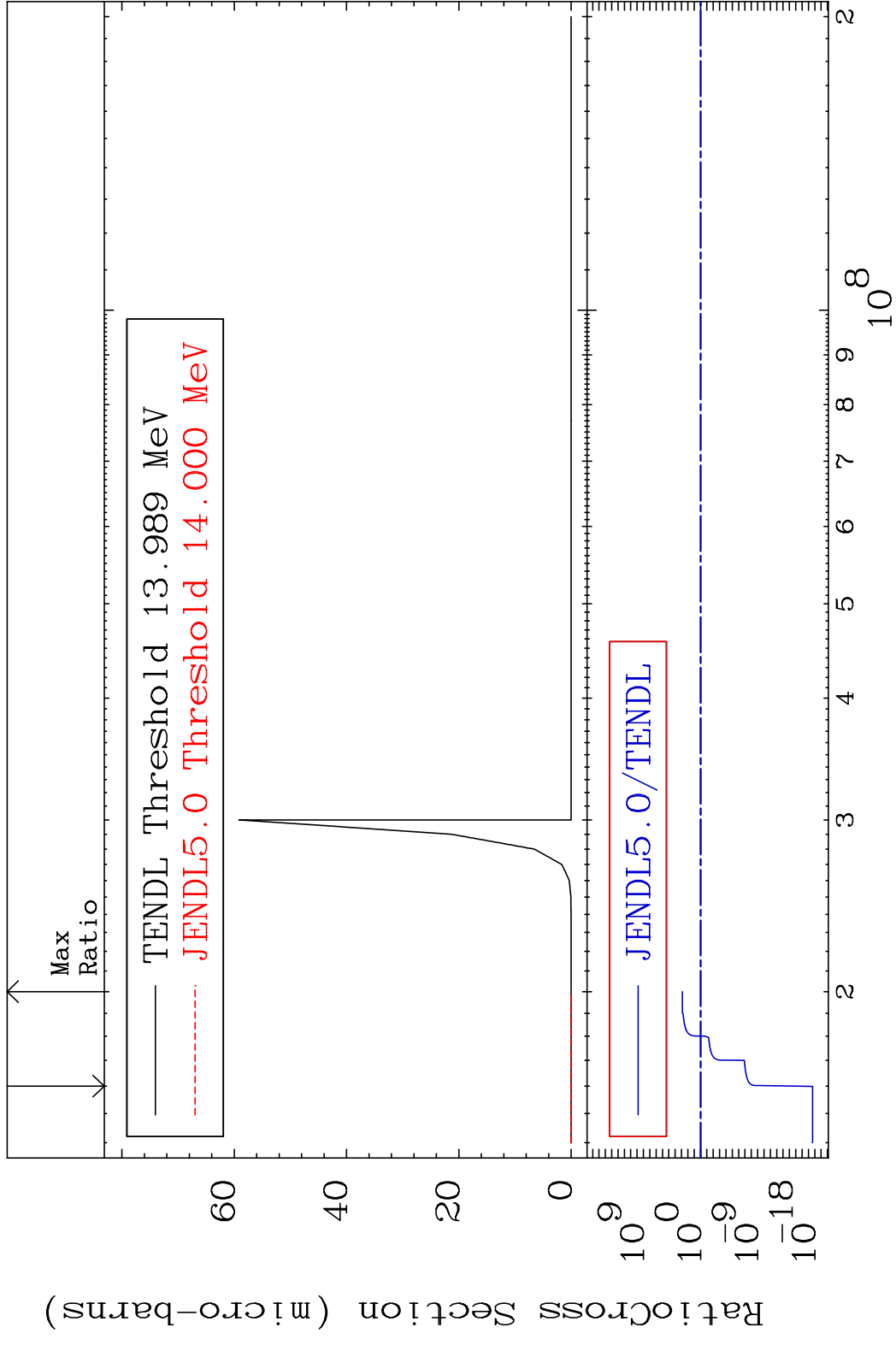
MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section 180.01 dth 597.3 %

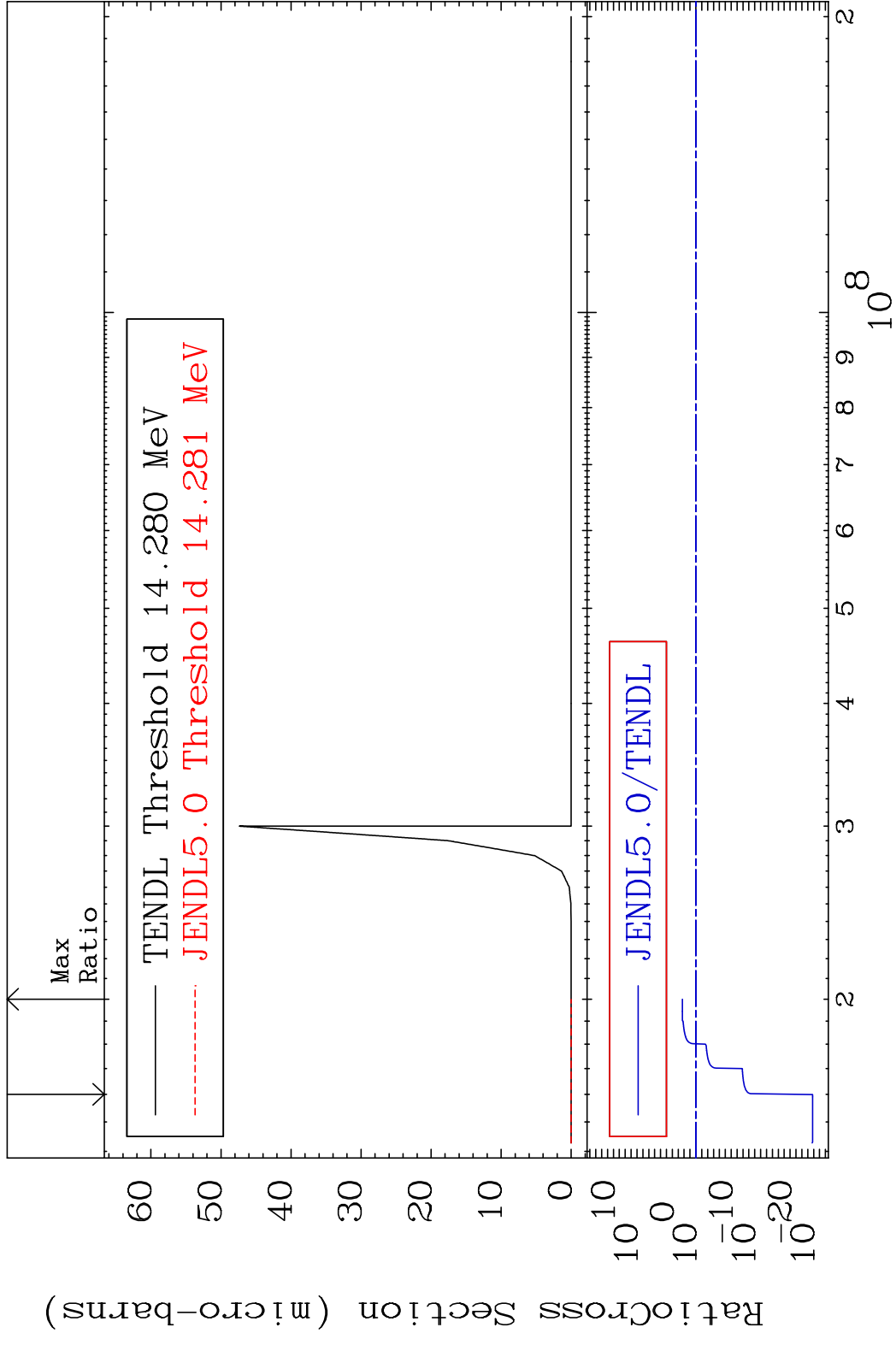


MAT 5825 (n,2n) α :56-Ba-131m2 58-Ce-136
 Radionuclide Production Cross Section Efficiency 36.38 %

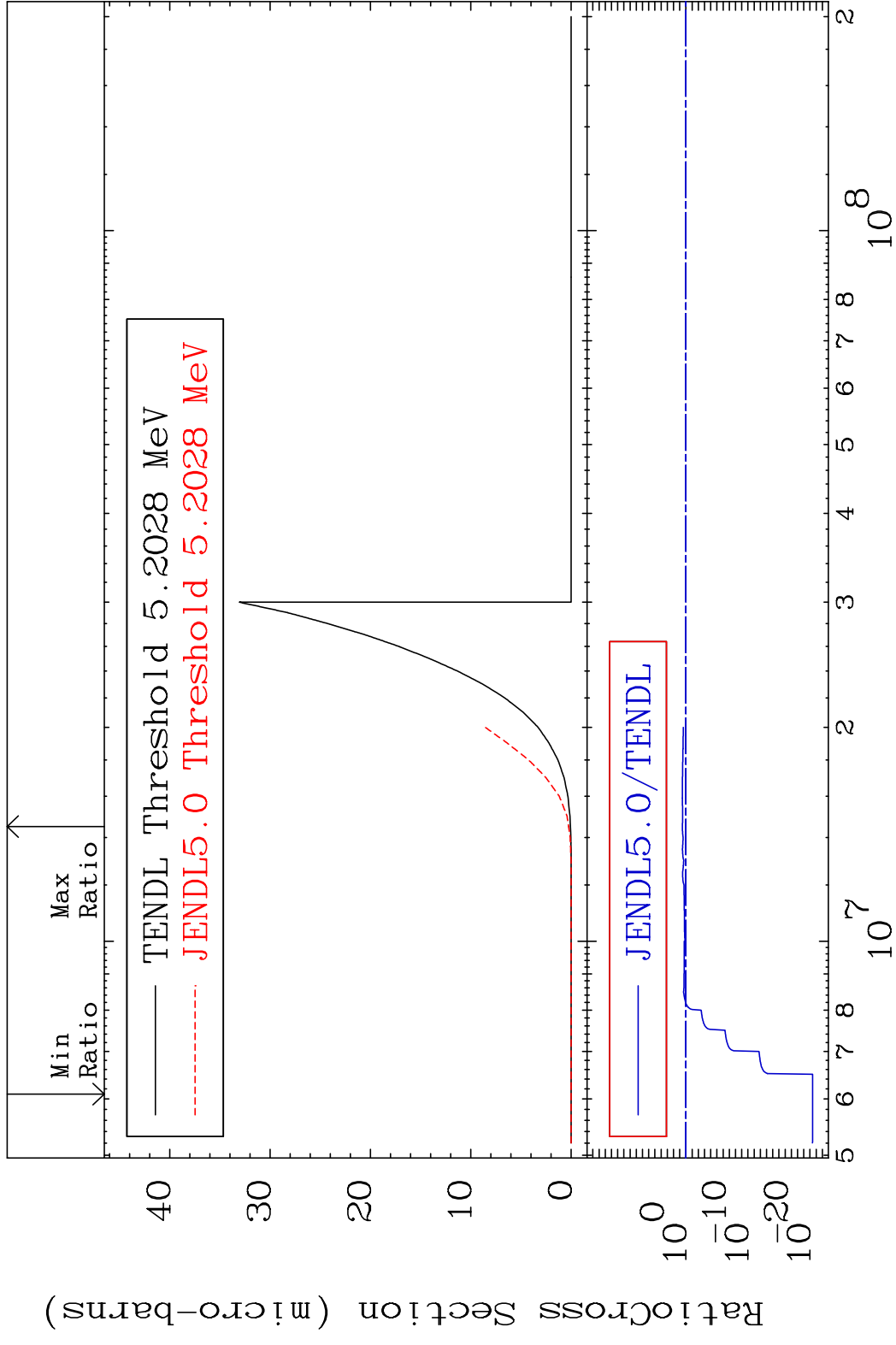


MAT 5825 (n, n') He-3:56-Ba-133g 58-Ce-136
 Radionuclide Production Cross Section to 9999. %

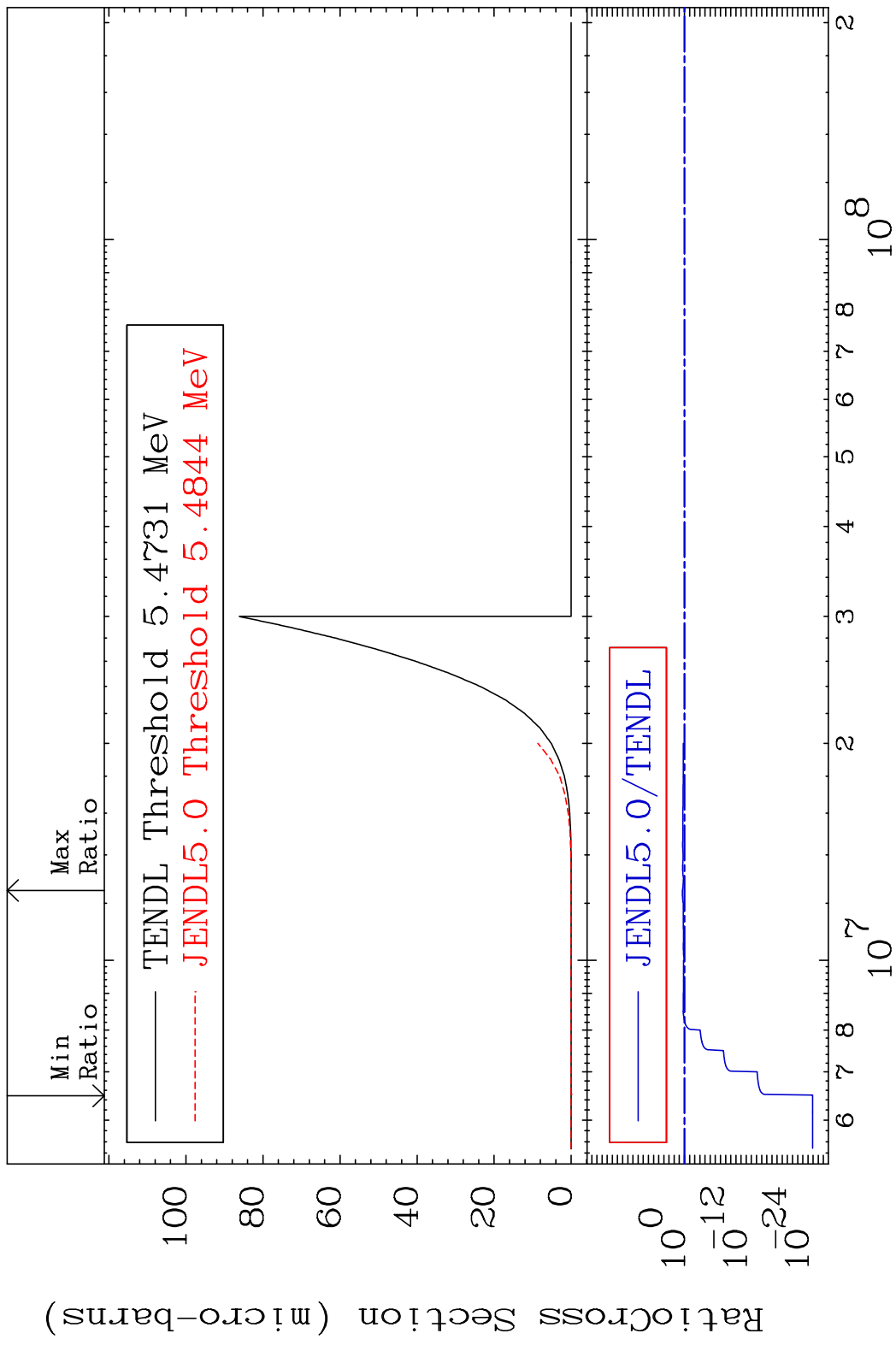


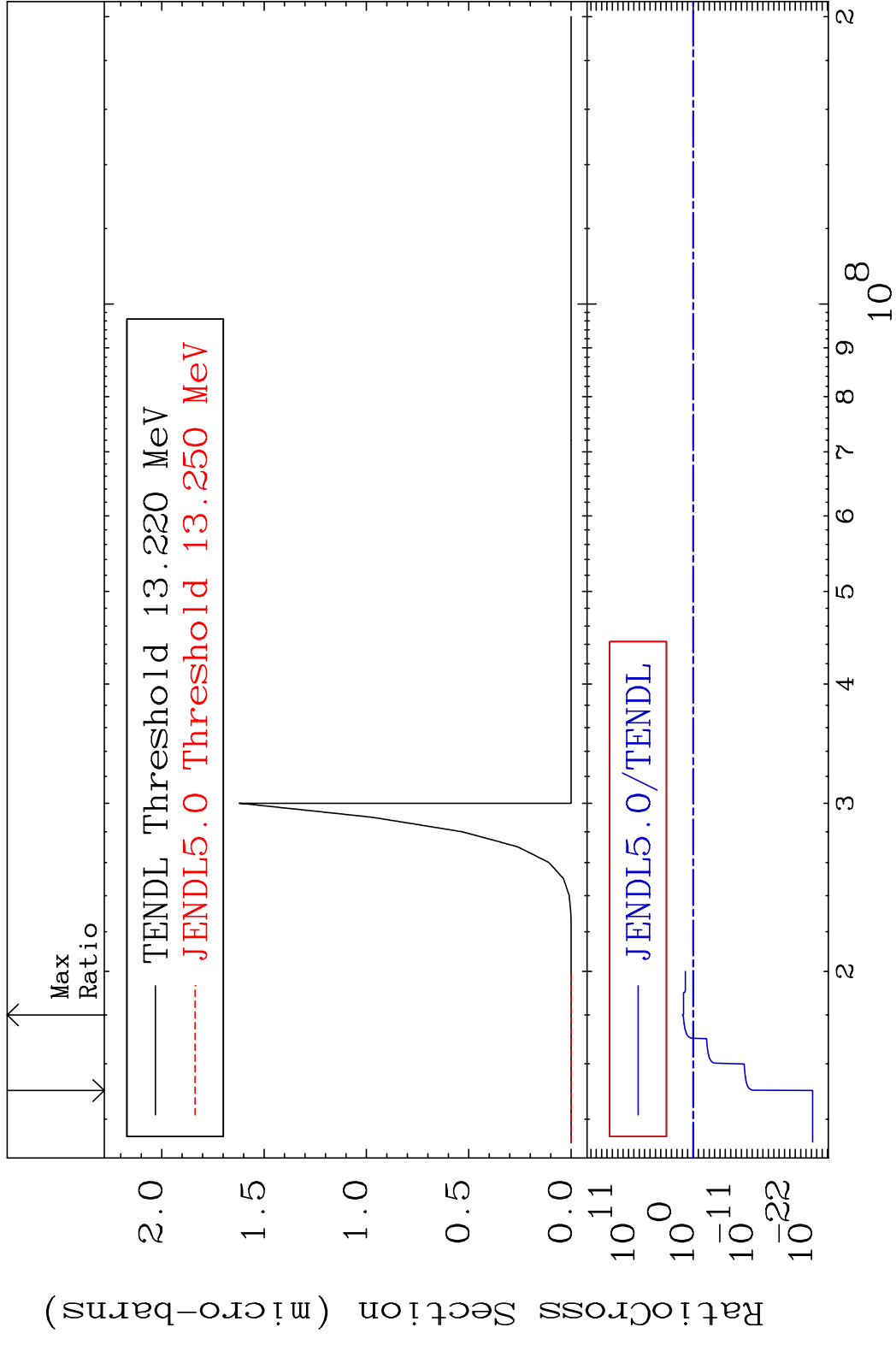


MAT 5825 (n,2p):56-Ba-135g 58-Ce-136
 Radionuclide Production Cross Section 180.0 dth 272.4 %

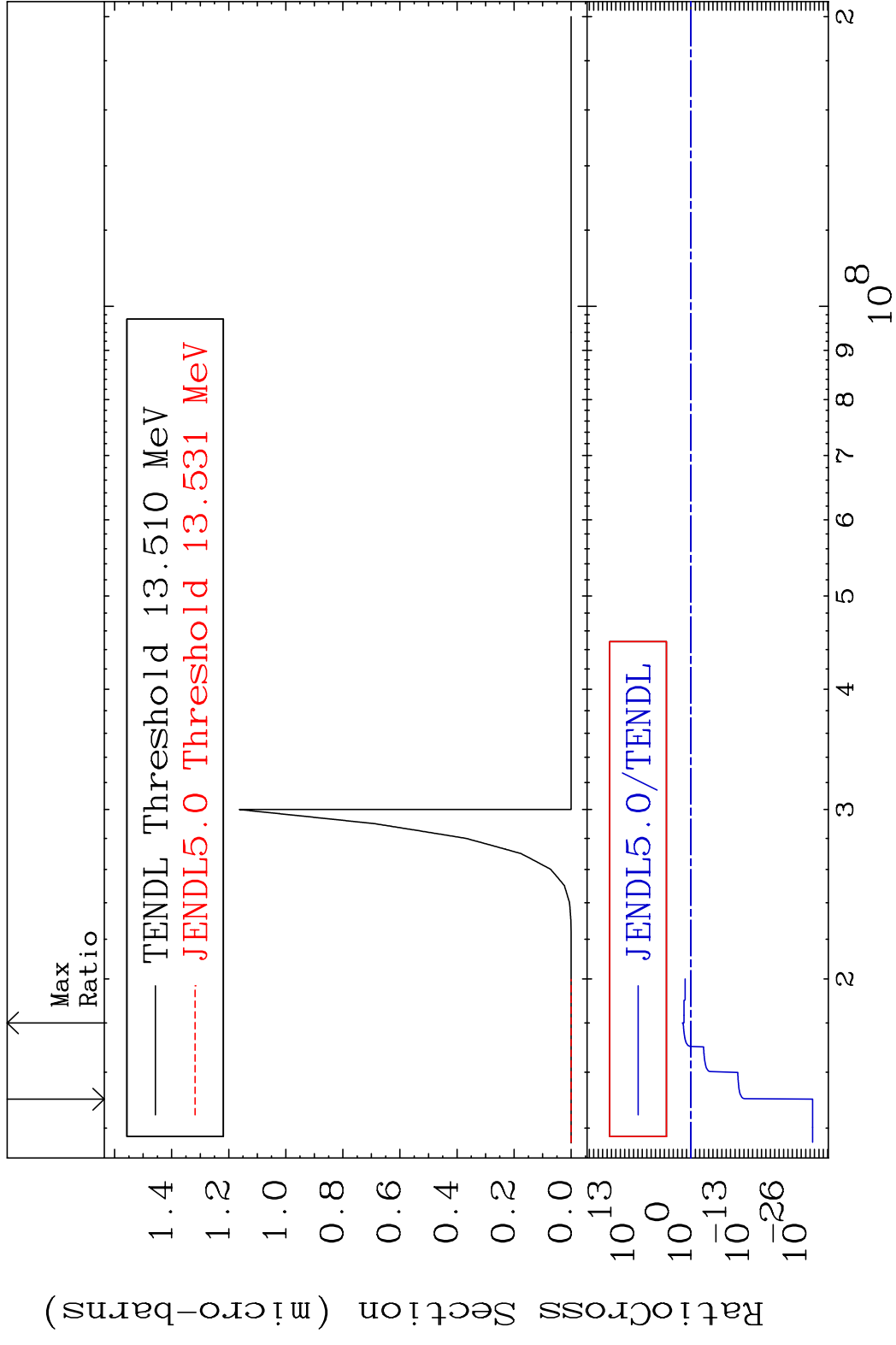


MAT 5825 (n, 2p):56-Ba-135m2 58-Ce-136
 Radionuclide Production Cross Section 153.1 %

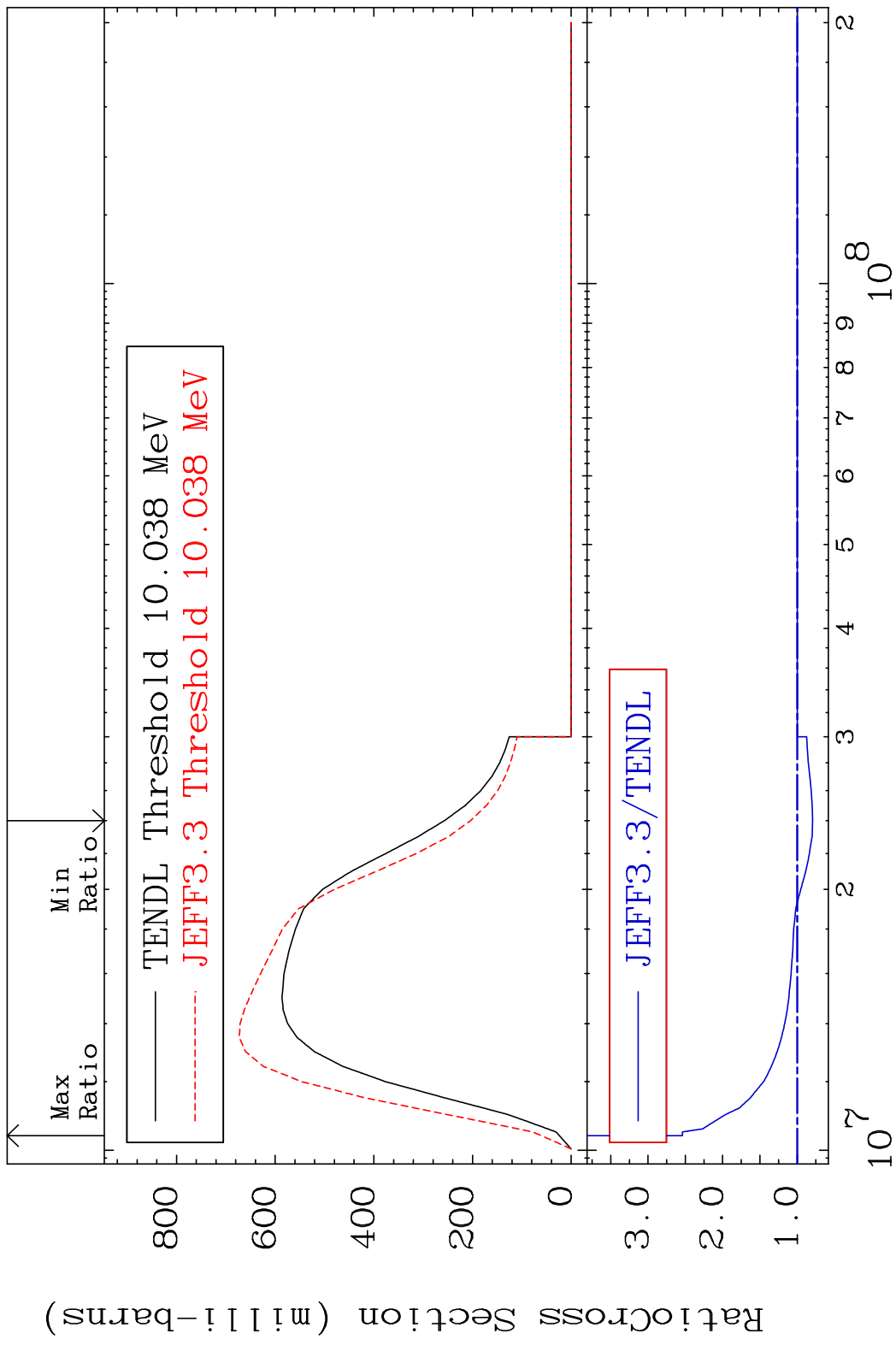




MAT 5825 (n, p) t:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section to 8495. %

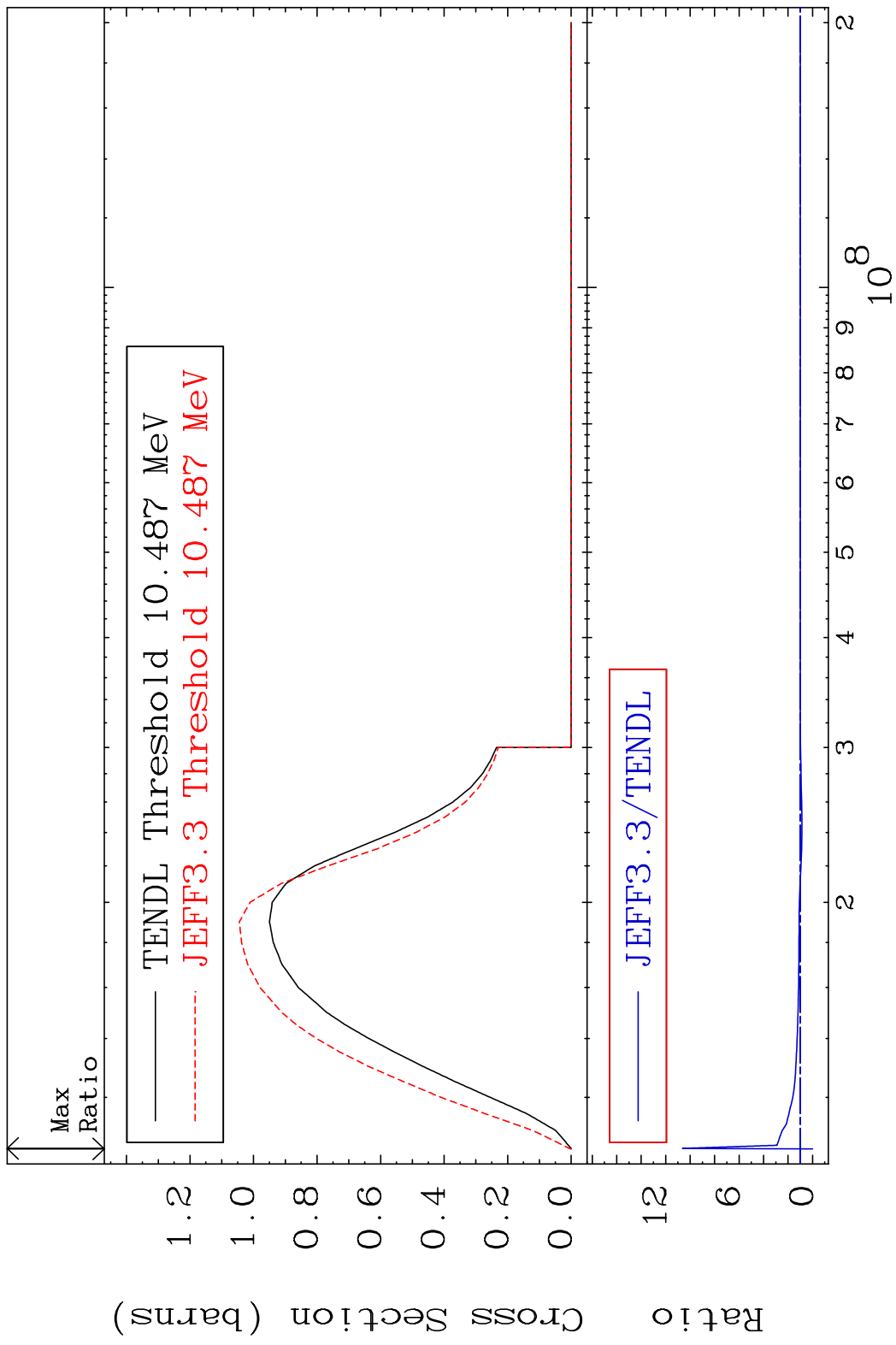


MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 154.0 %

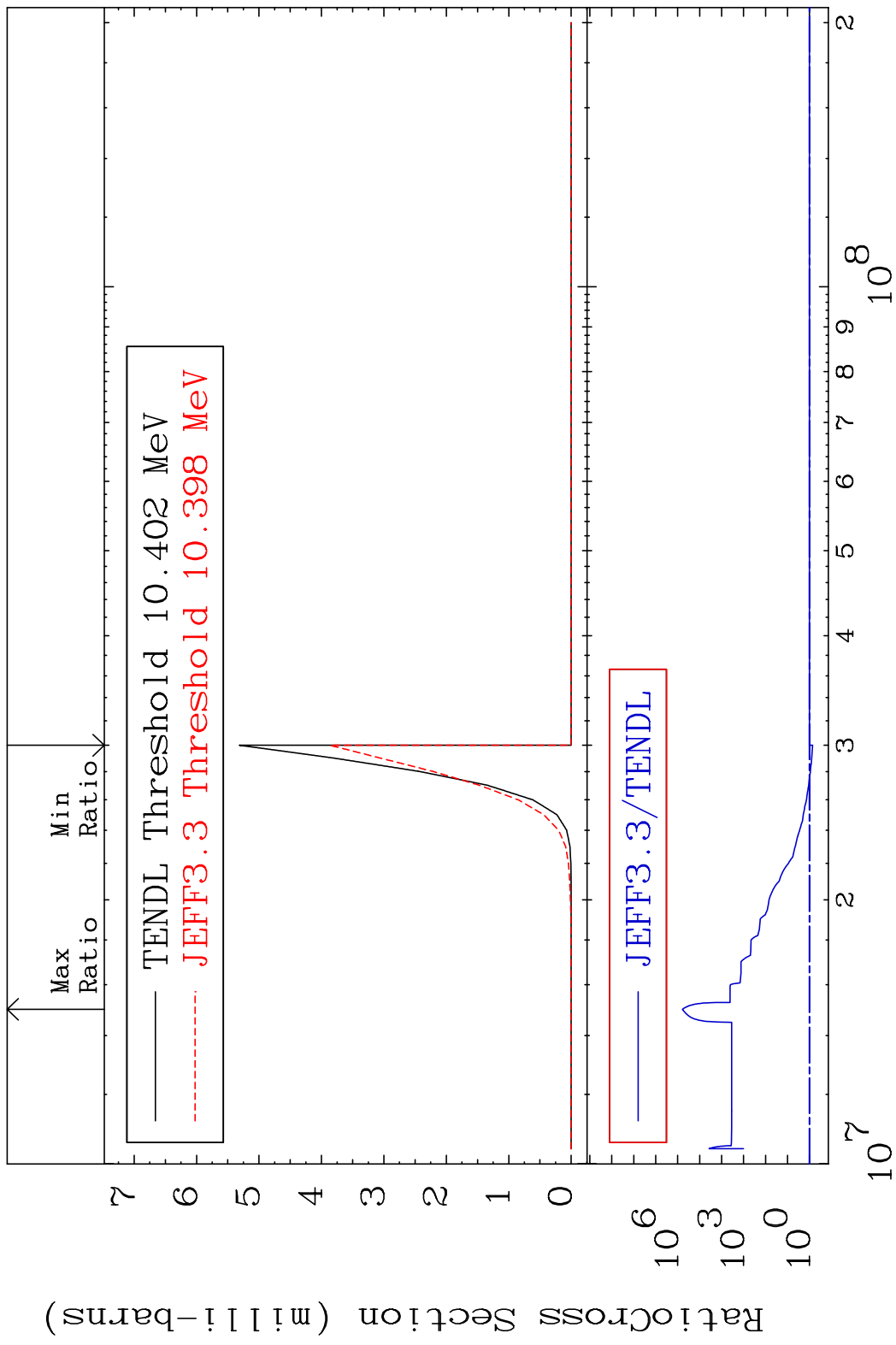


71 Incident Energy (eV) 58-Ce-136

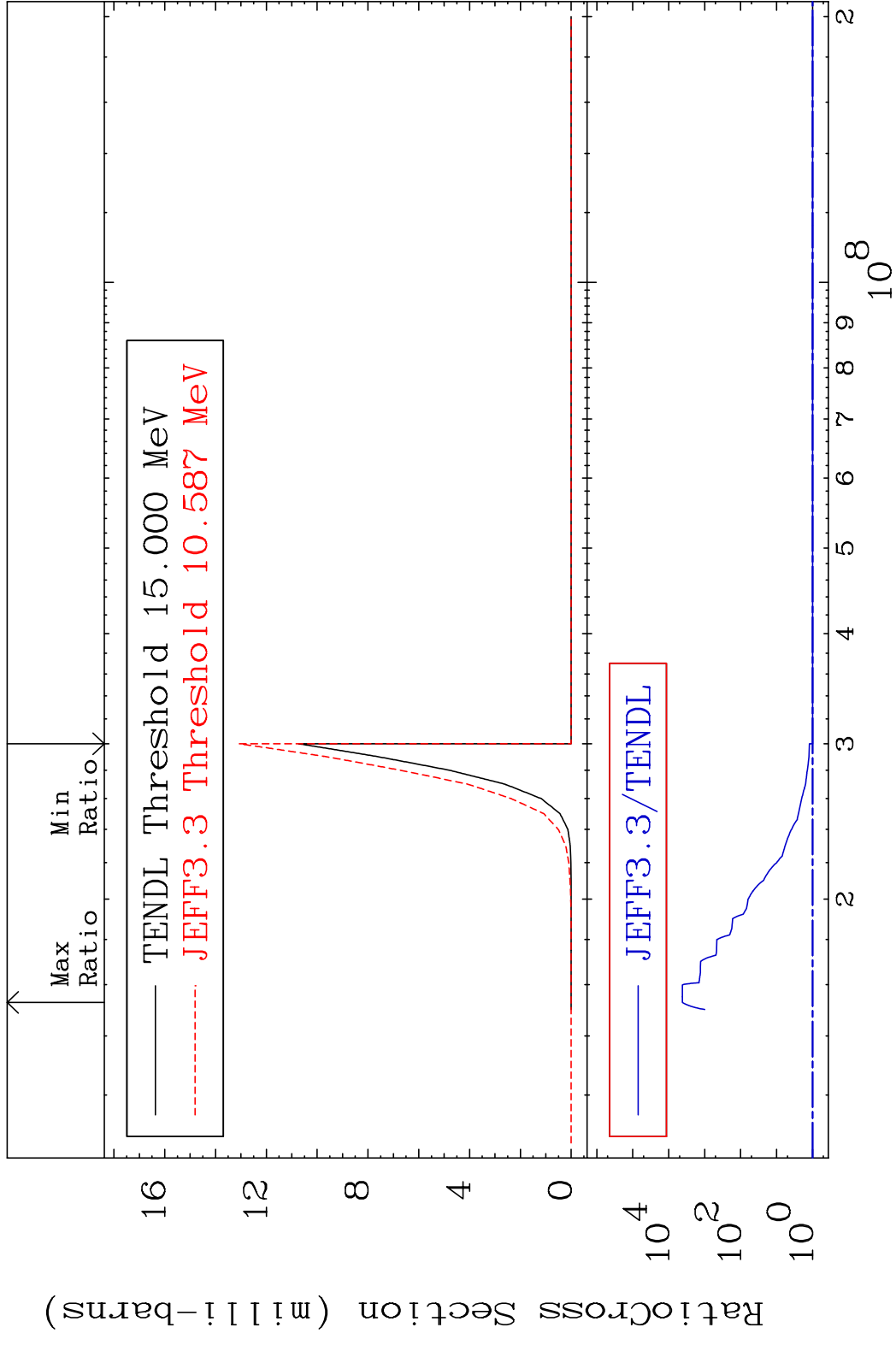
MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 180.01 dtd 963.6 %

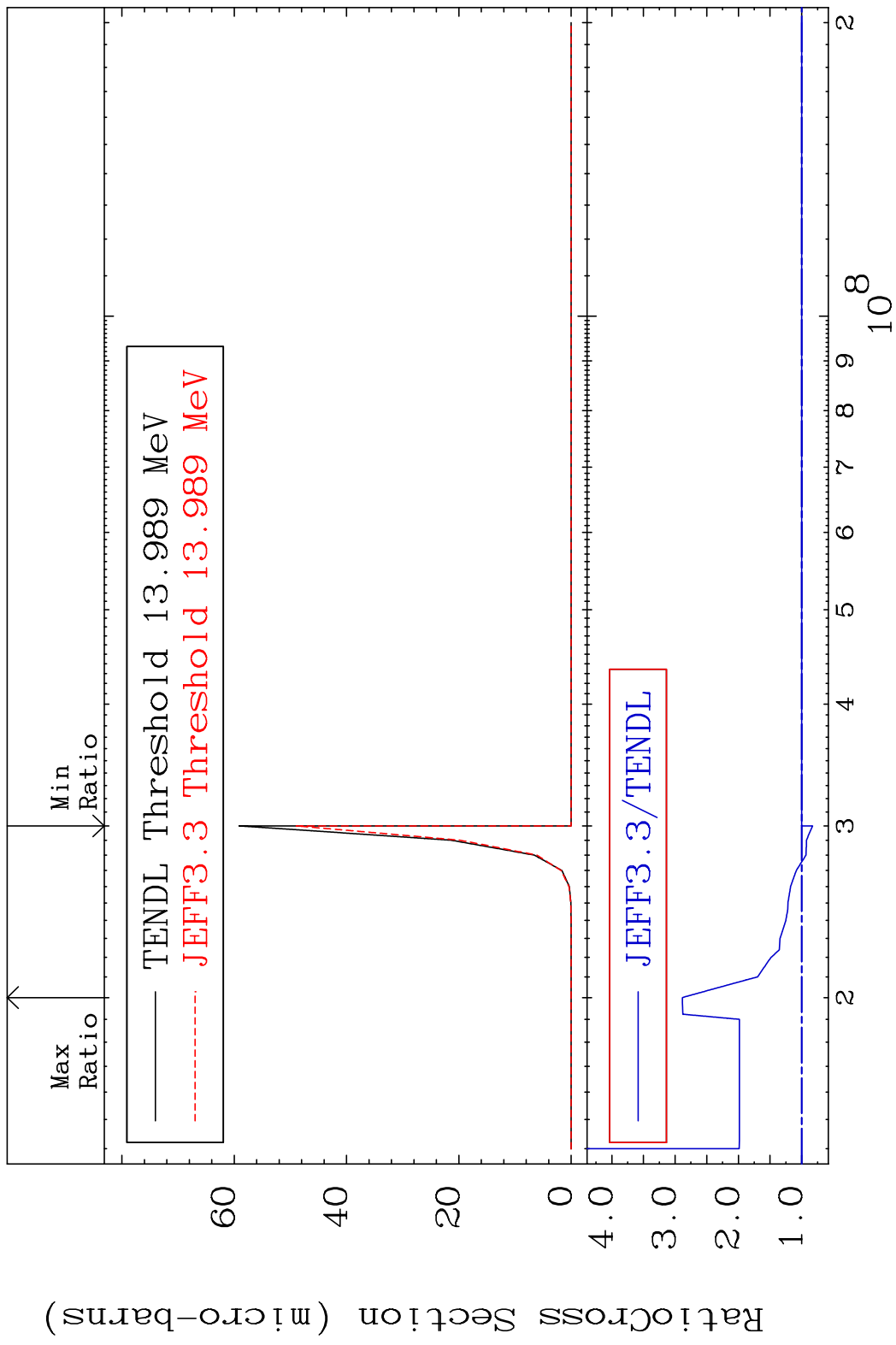


MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section to 9999. %

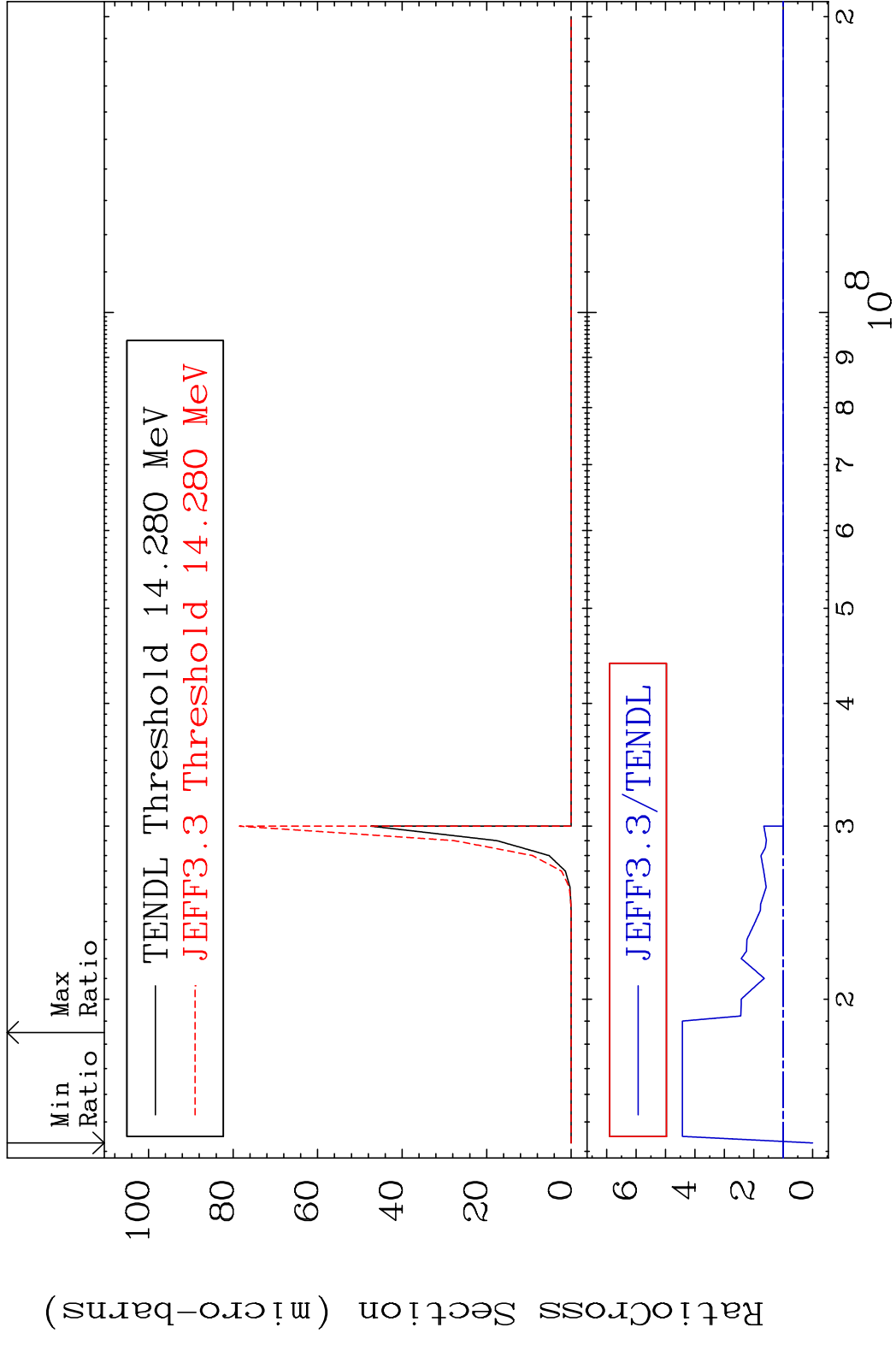


73 Incident Energy (eV) 58-Ce-136

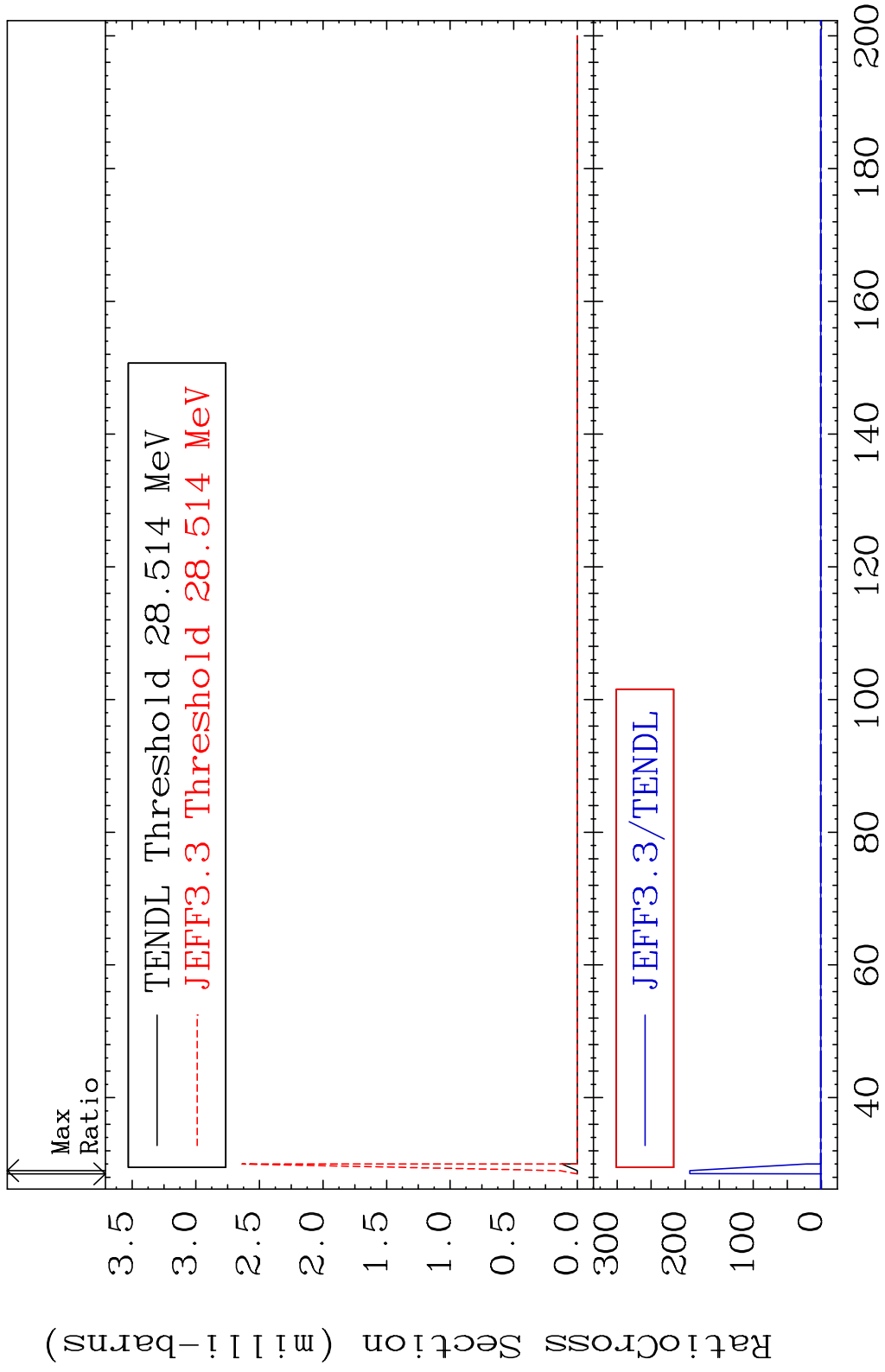




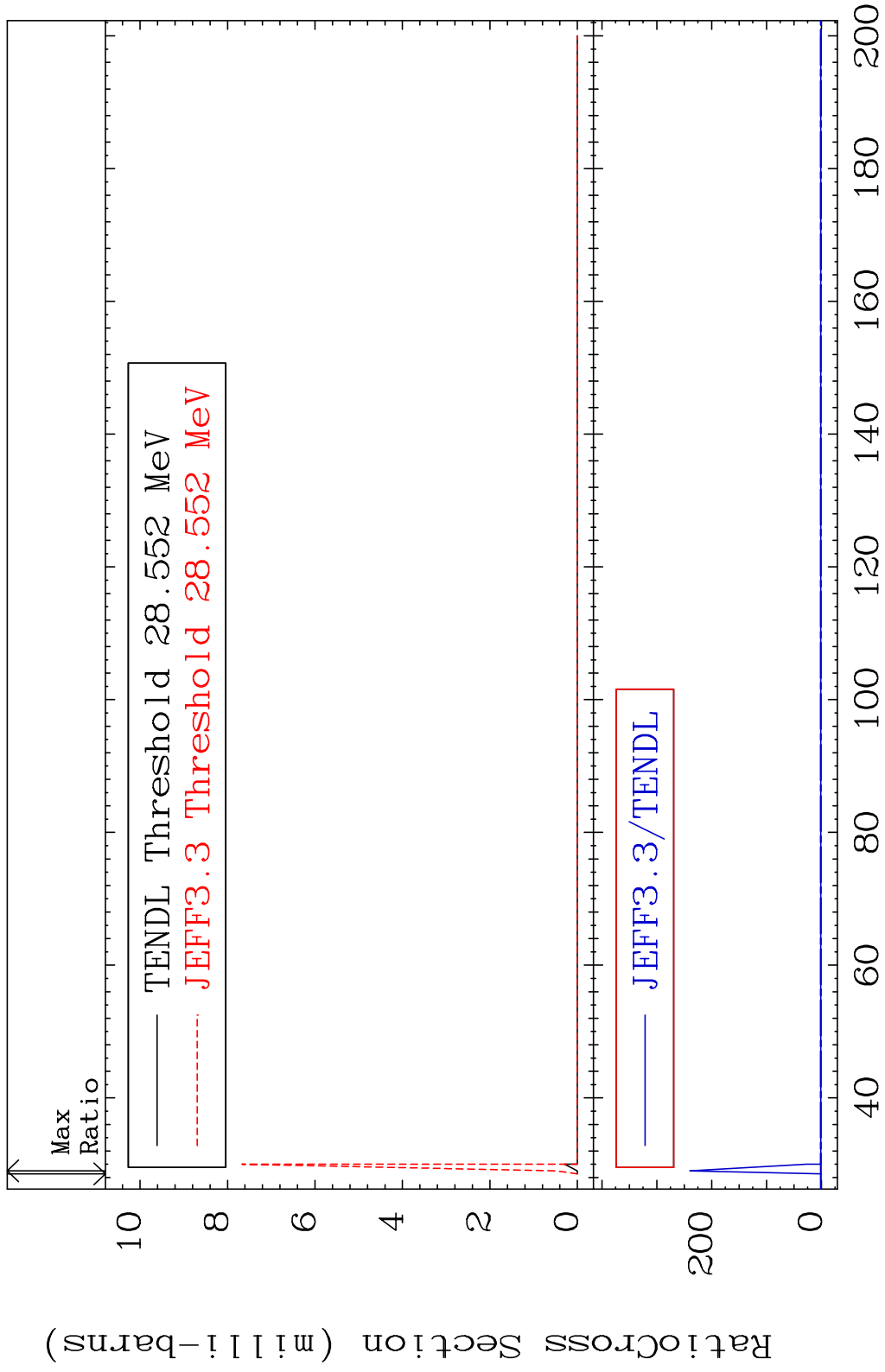
MAT 5825 (n, n') He-3:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section 100.00% 342.9 %



MAT 5825 (n,4n):58-Ce-133g 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

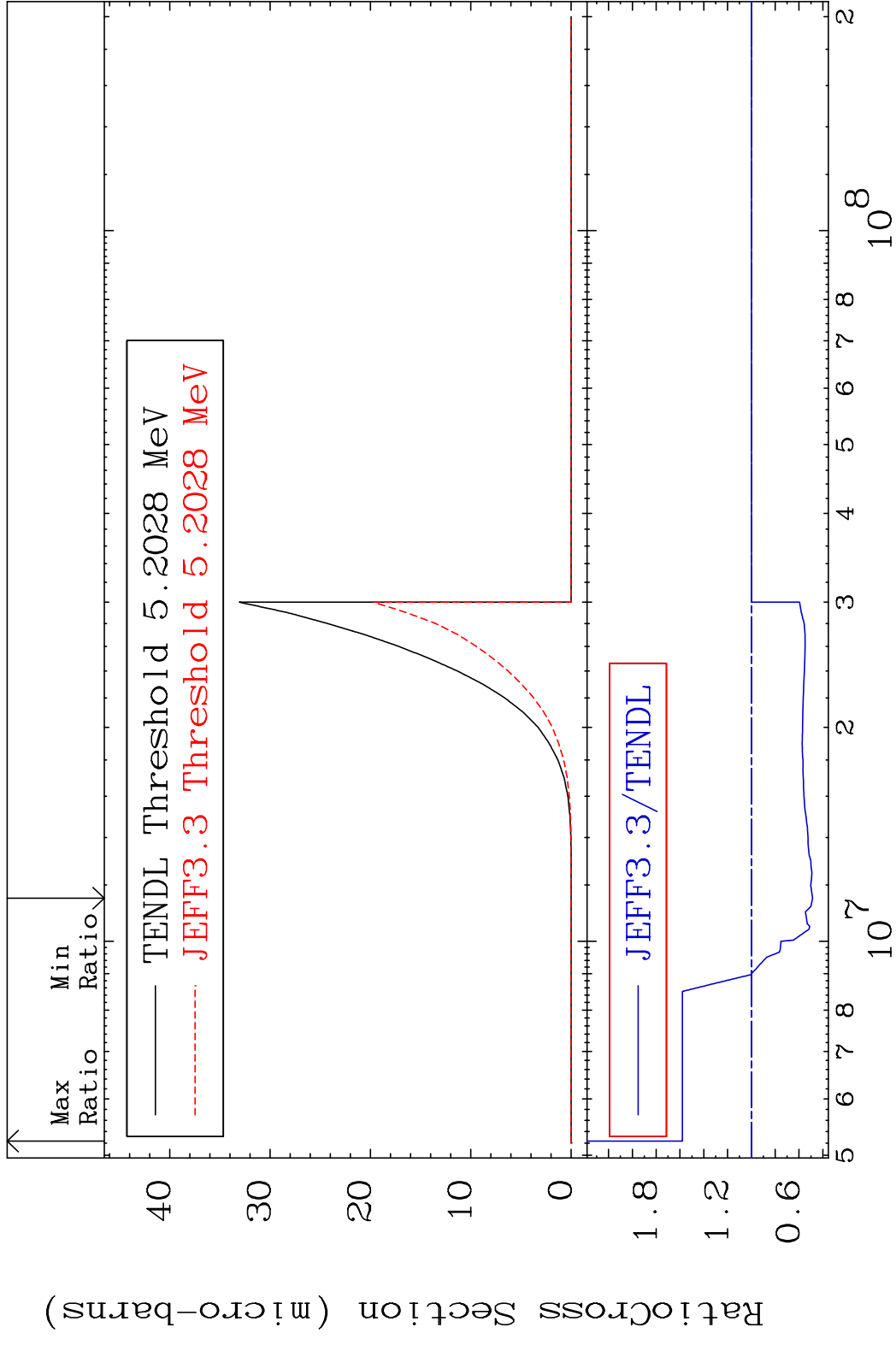


MAT 5825 (n, 4n):58-Ce-133m1 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

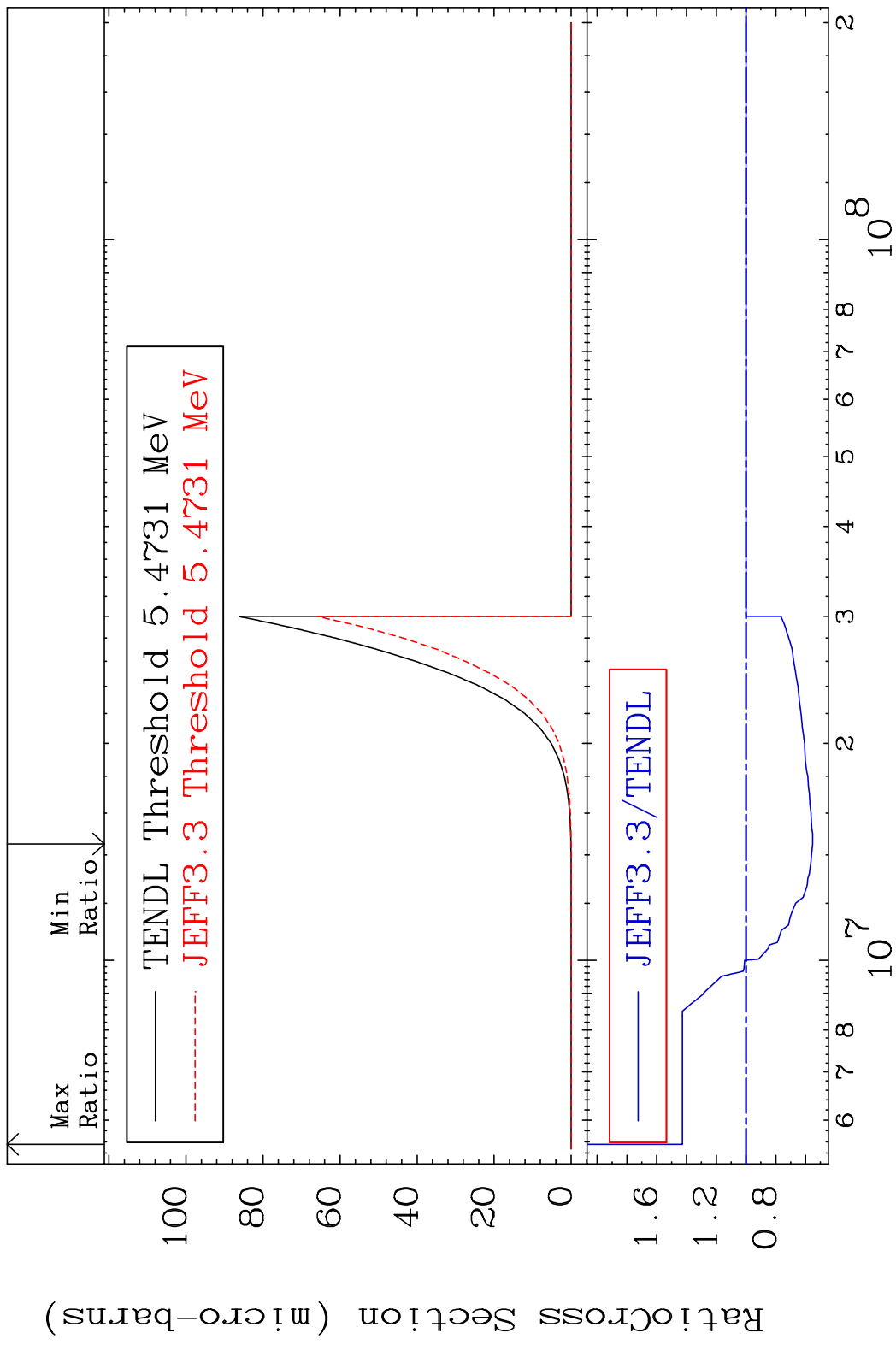


78 Incident Energy (MeV) 58-Ce-136

MAT 5825 (n,2p):56-Ba-135g 58-Ce-136
 Radionuclide Production Cross Section 58.00 %



MAT 5825 (n, 2p) :56-Ba-135m2 58-Ce-136
 Radionuclide Production Cross Section 42.78 %



80 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,p) t:56-Ba-133g 58-Ce-136
 Radionuclide Production Cross Section 493.3 %

