

Program Complot
(Version 2021-1)

by

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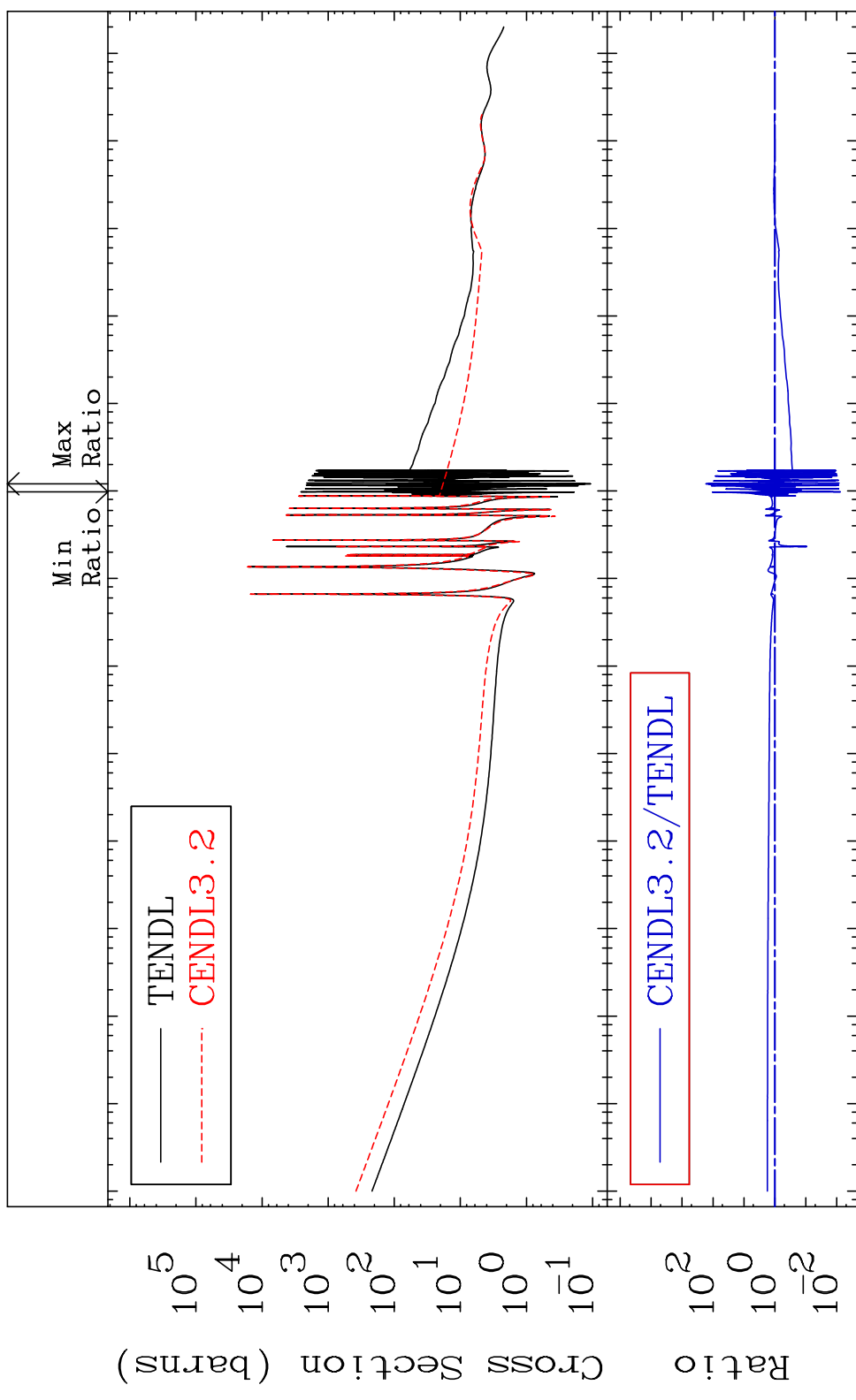
Press Mouse Button to Start

MAT 5825

Total

58-Ce-136

Cross Section -99.24 To 9999. %



1

Incident Energy (eV)

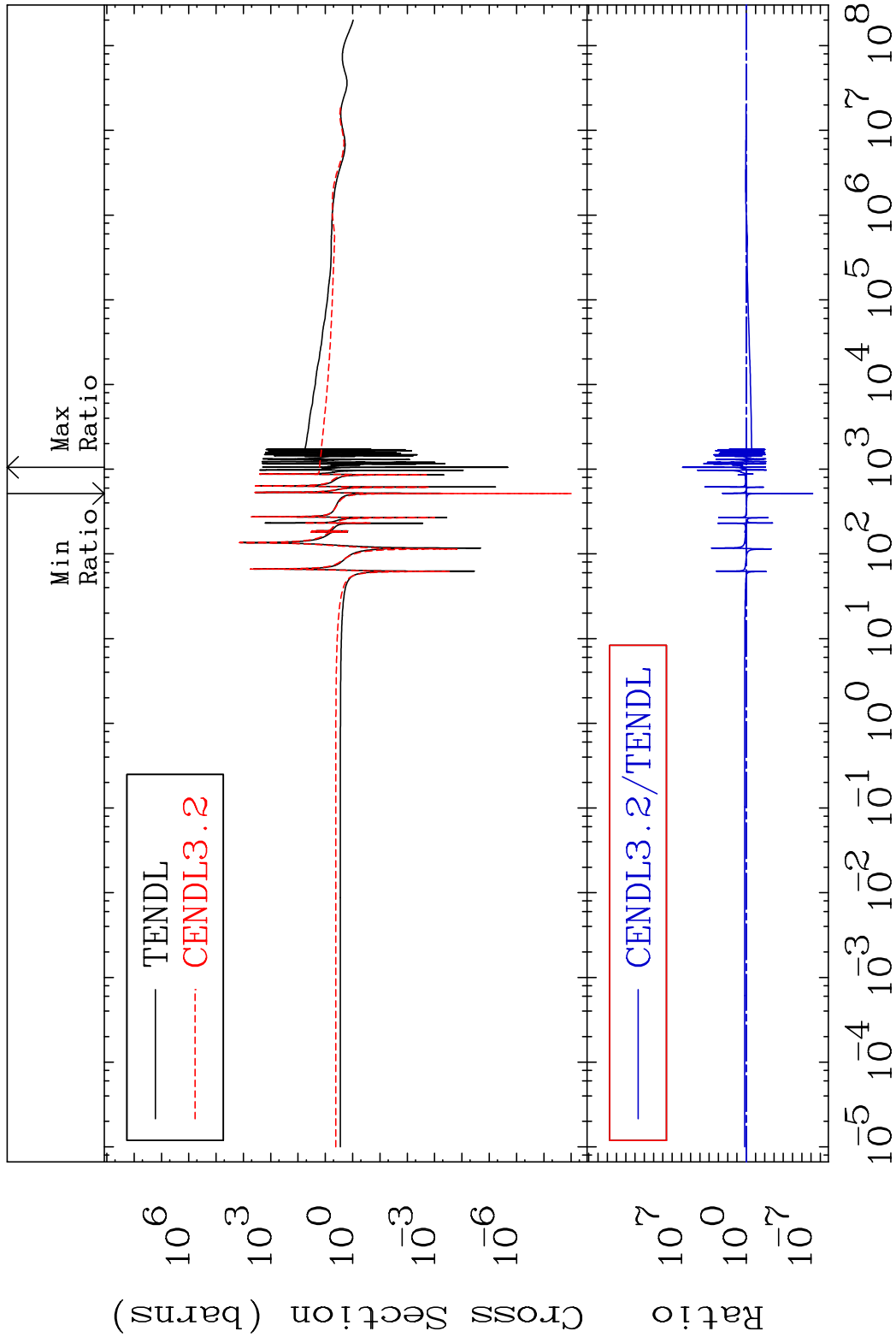
58-Ce-136

MAT 5825

Elastic

58-Ce-136

Cross Section -100.0 To 9999. %

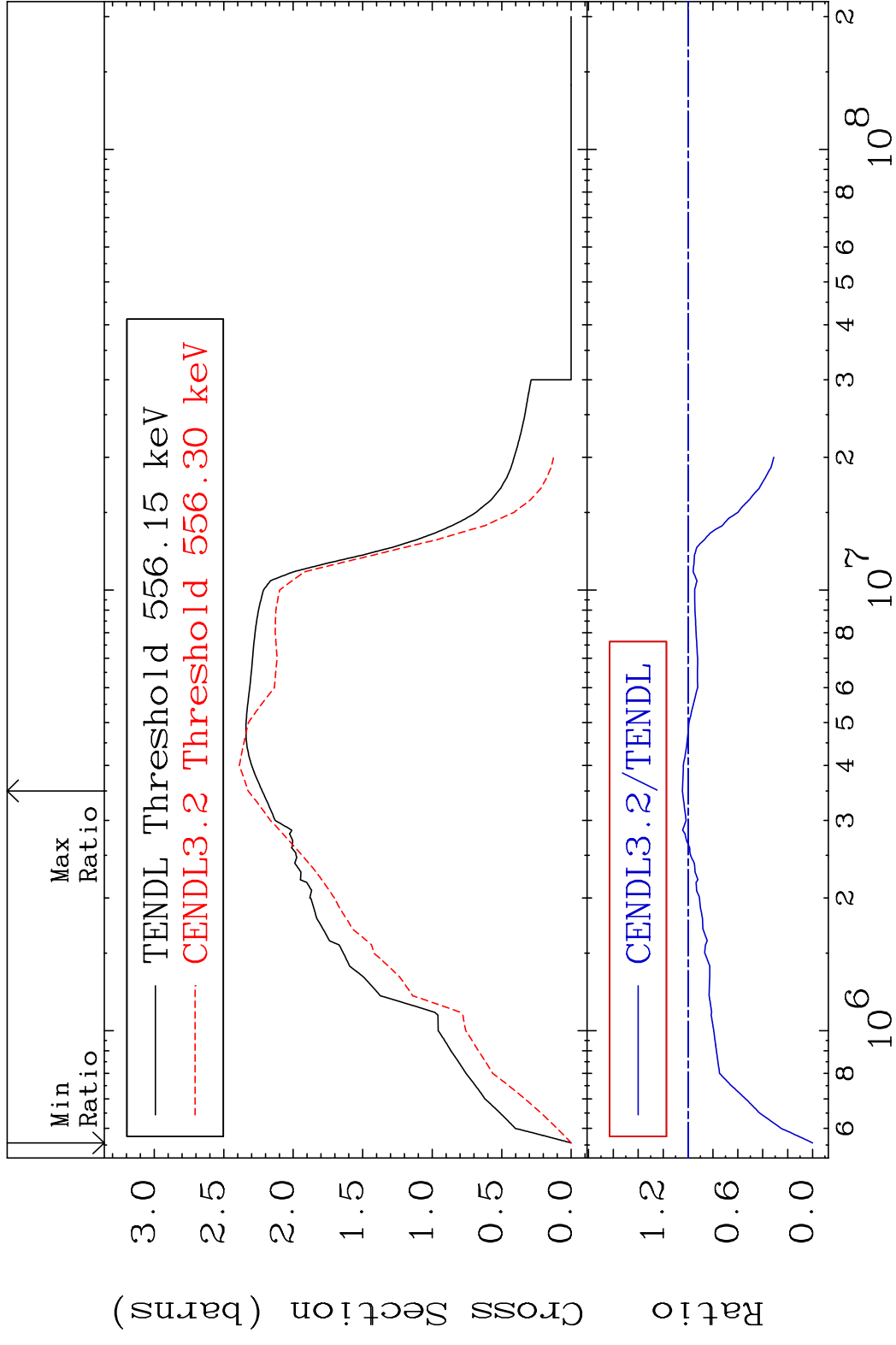


2

Incident Energy (eV)

58-Ce-136

MAT 5825 Inelastic 58-Ce-136
 Cross Section -100.0 To 4.575 %



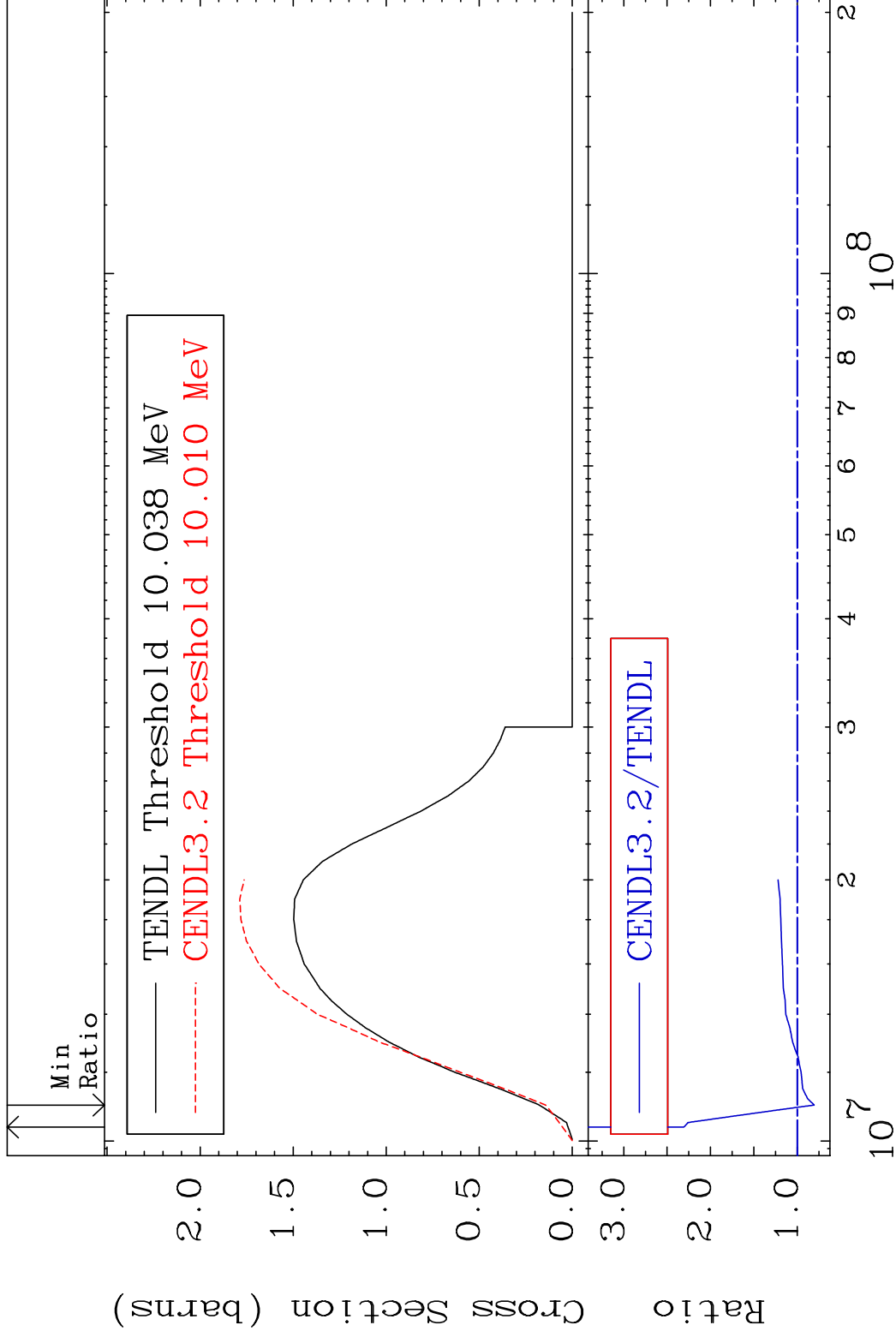
3 Incident Energy (eV) 58-Ce-136

MAT 5825

(n,2n)

58-Ce-136

Cross Section -19.53 To 130.9 %



4

Incident Energy (eV)

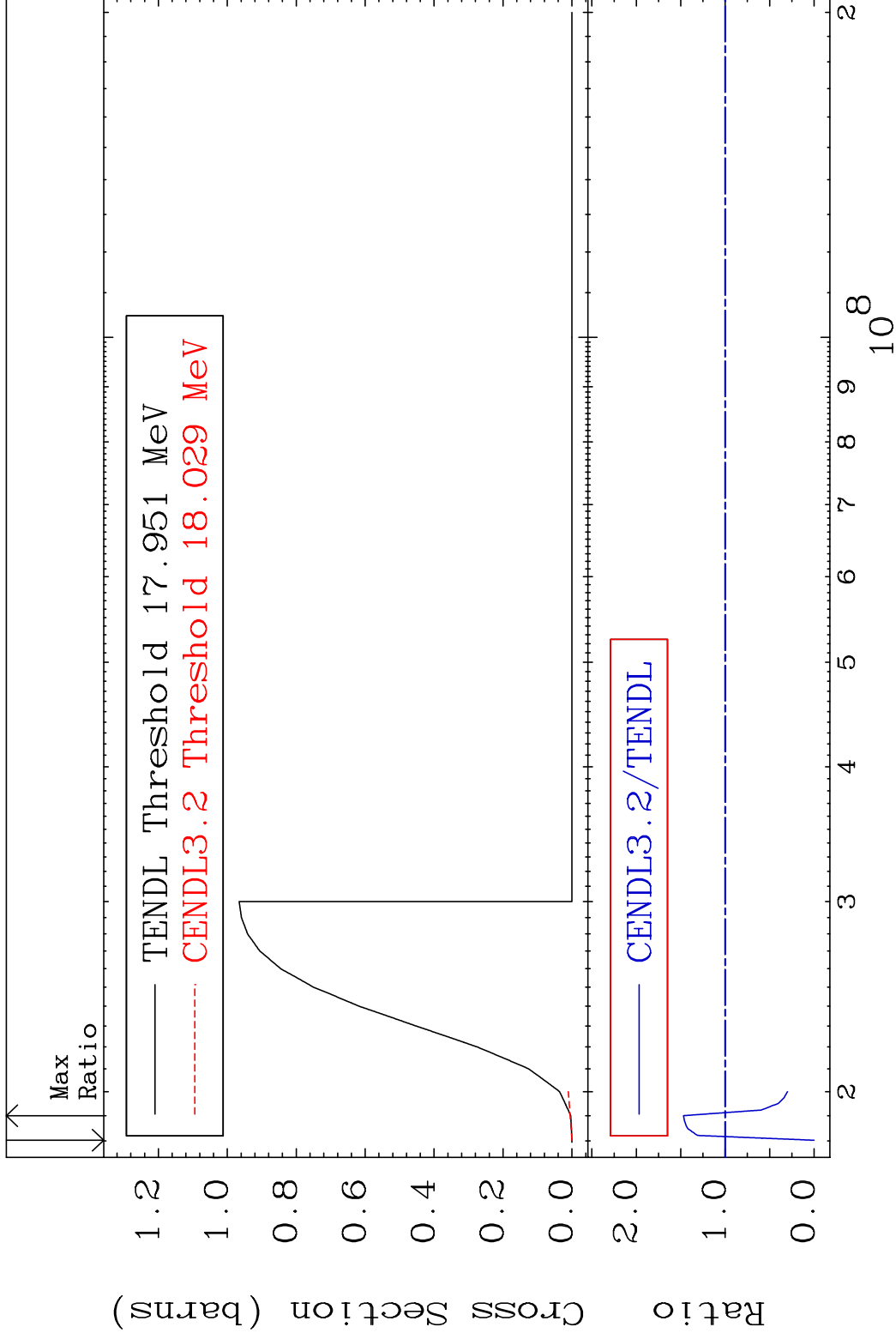
58-Ce-136

MAT 5825

(n,3n)

58-Ce-136

Cross Section -100.0 To 46.94 %

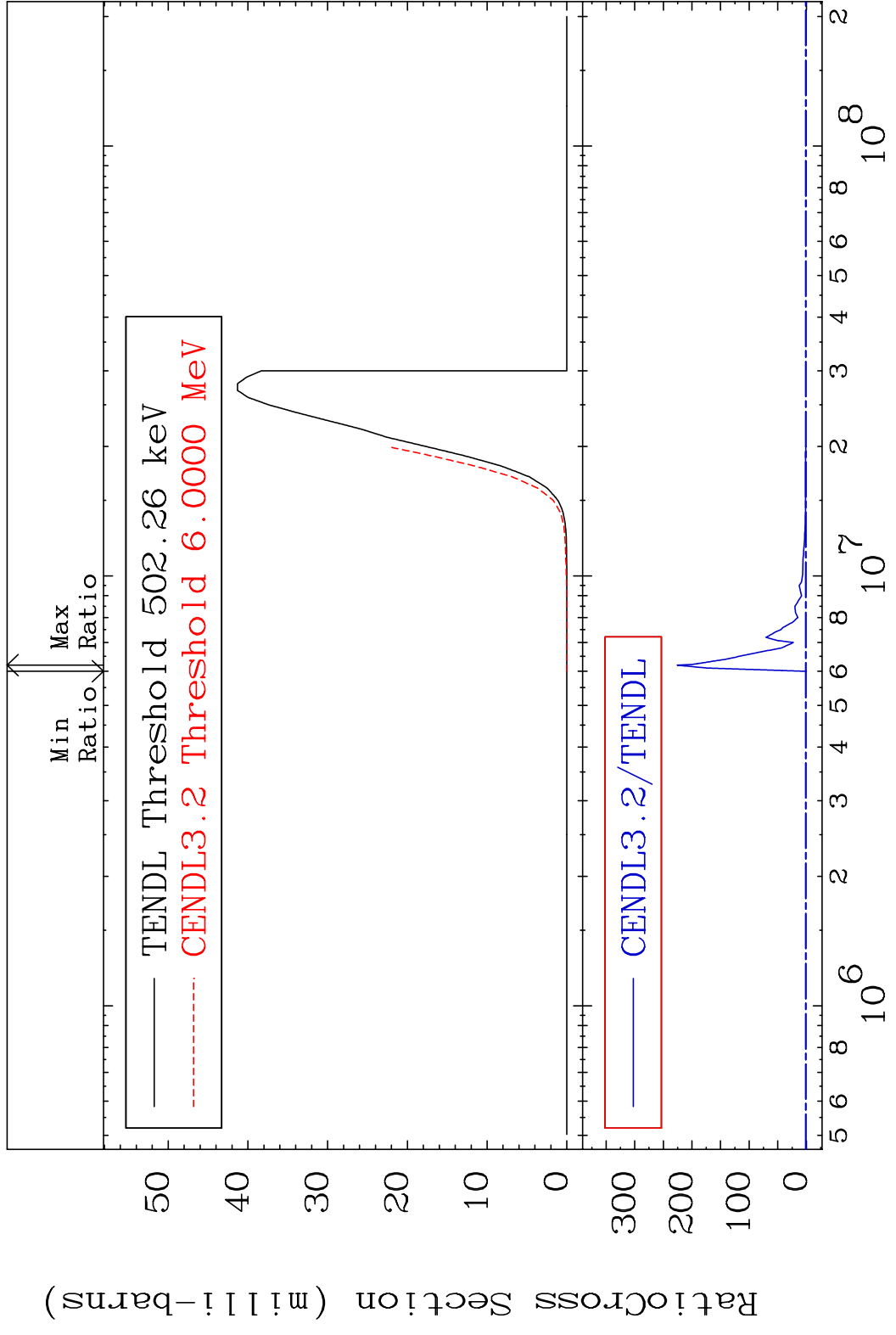


5

Incident Energy (eV)

58-Ce-136

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

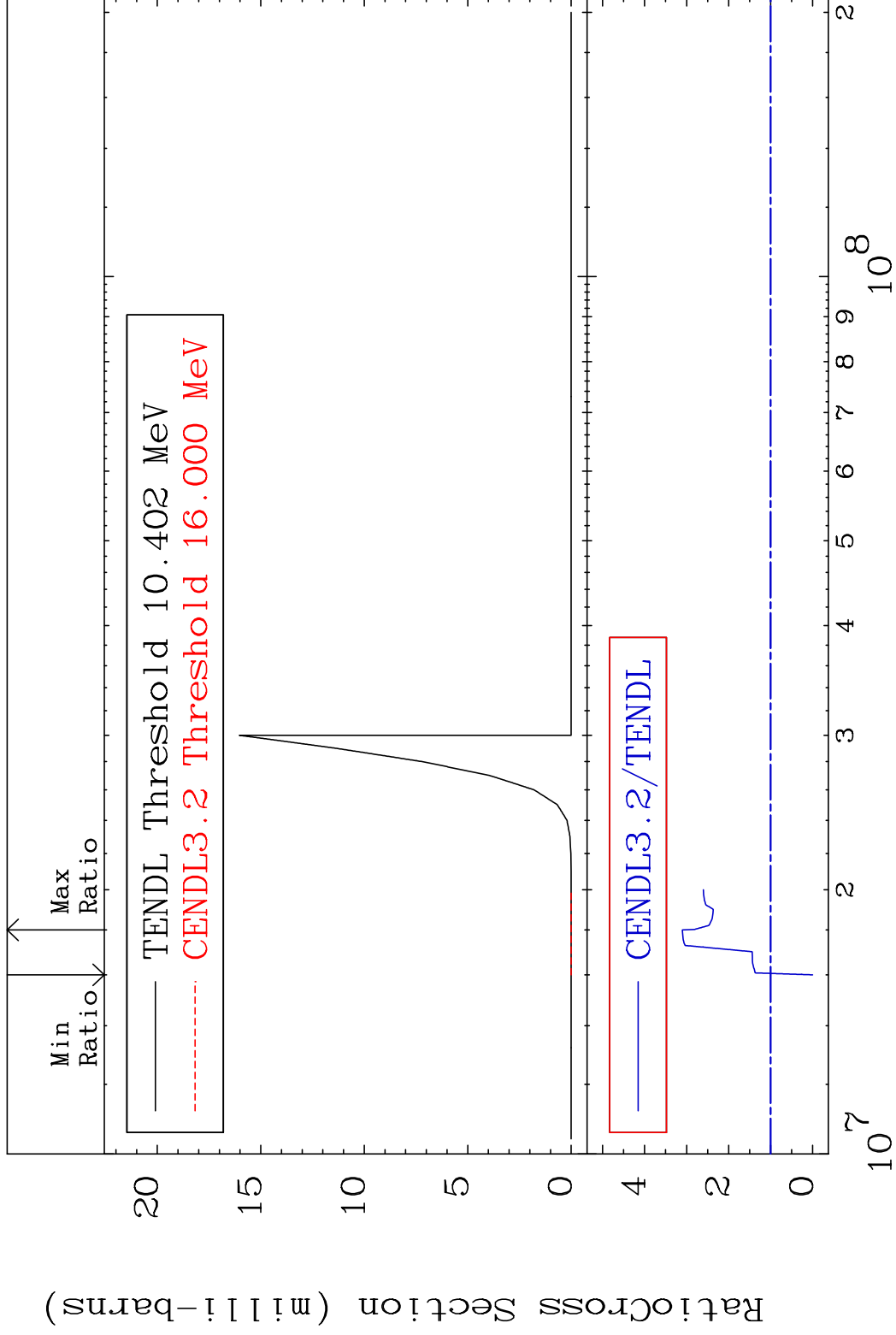


MAT 5825

(n,2n) α

58-Ce-136

Cross Section -100.0 To 210.1 %

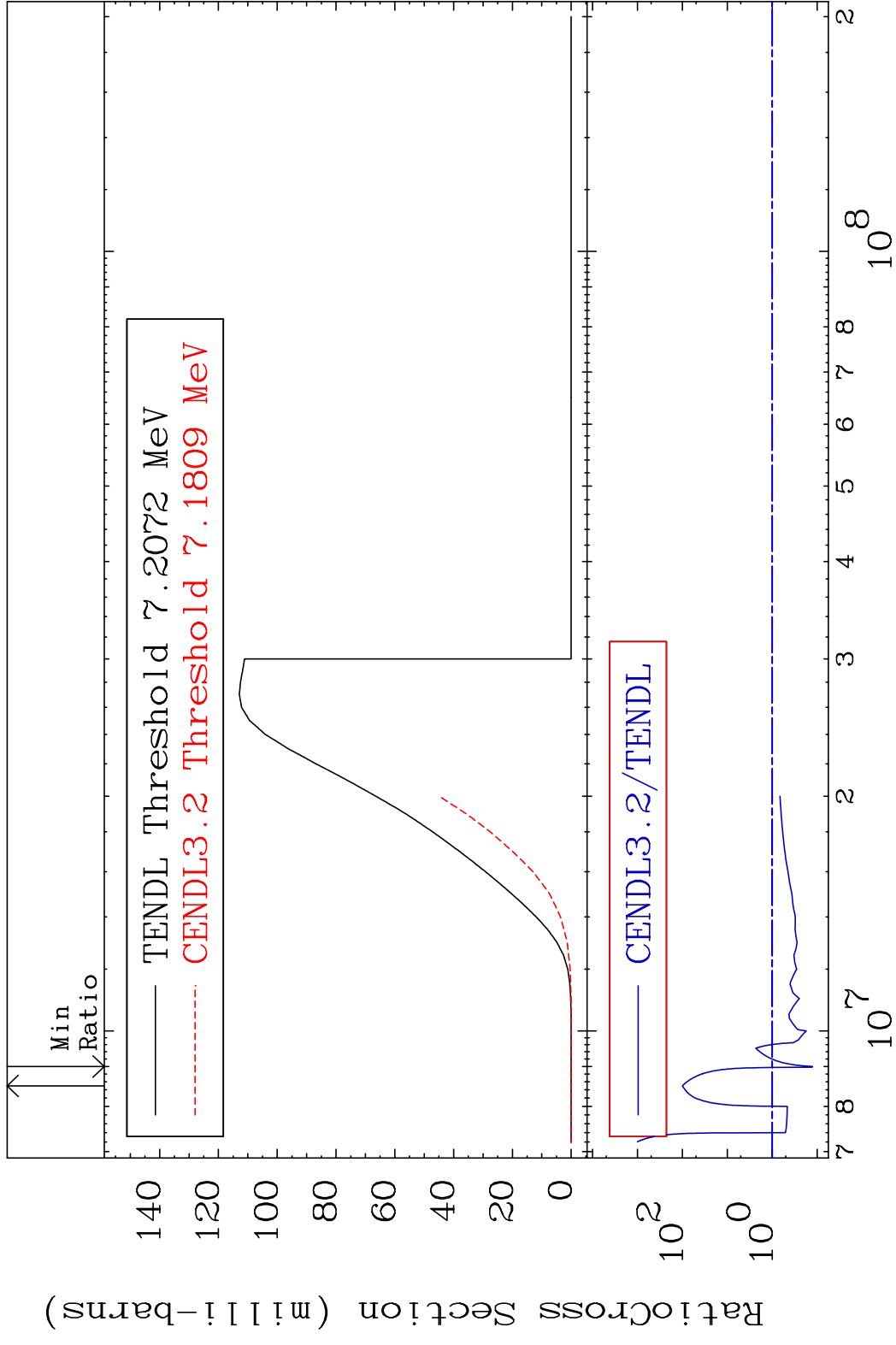


7

Incident Energy (eV)

58-Ce-136

MAT 5825 (n, n') p 58-Ce-136
 Cross Section -87.33 To 9955. %



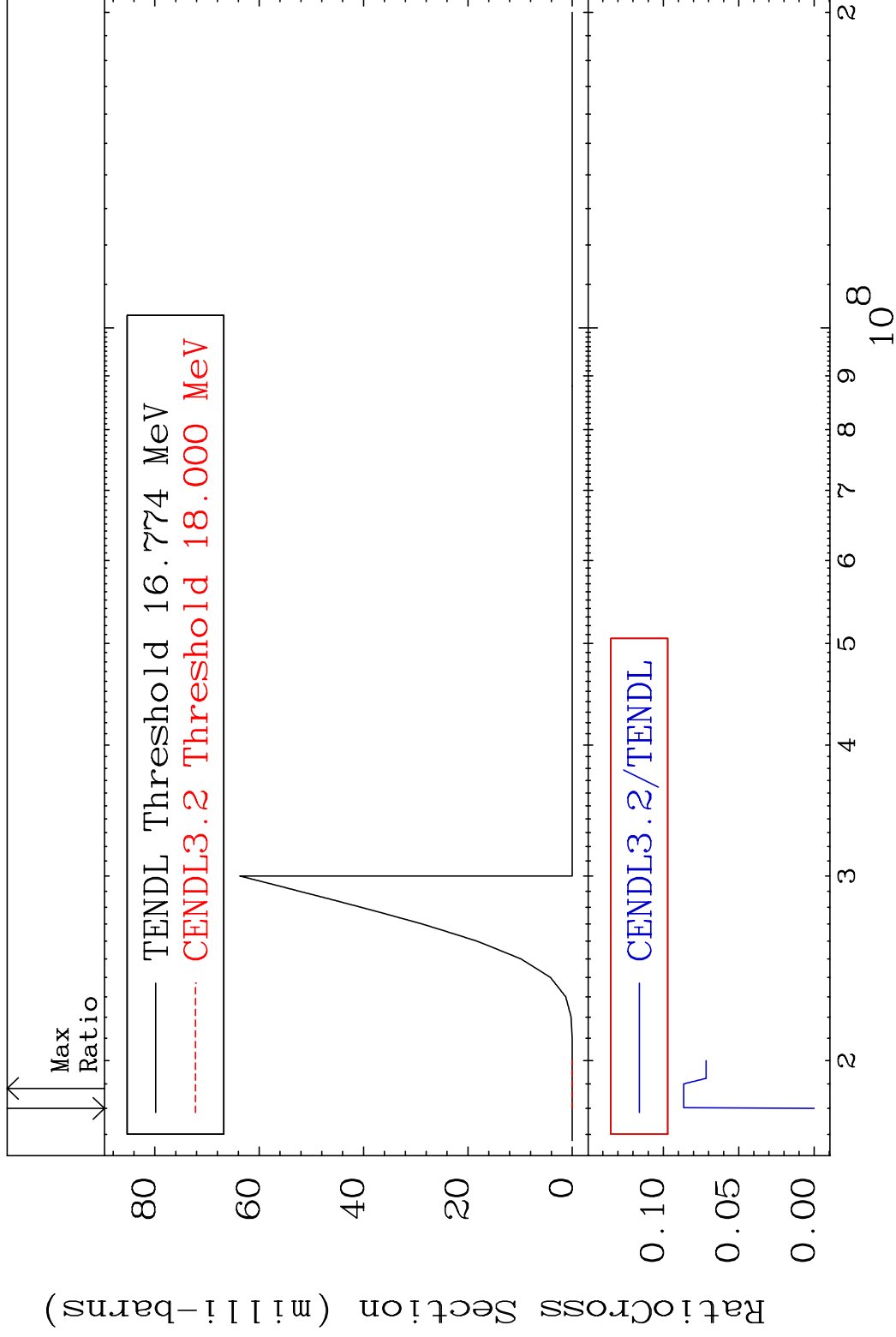
8 Incident Energy (eV) 58-Ce-136

MAT 5825

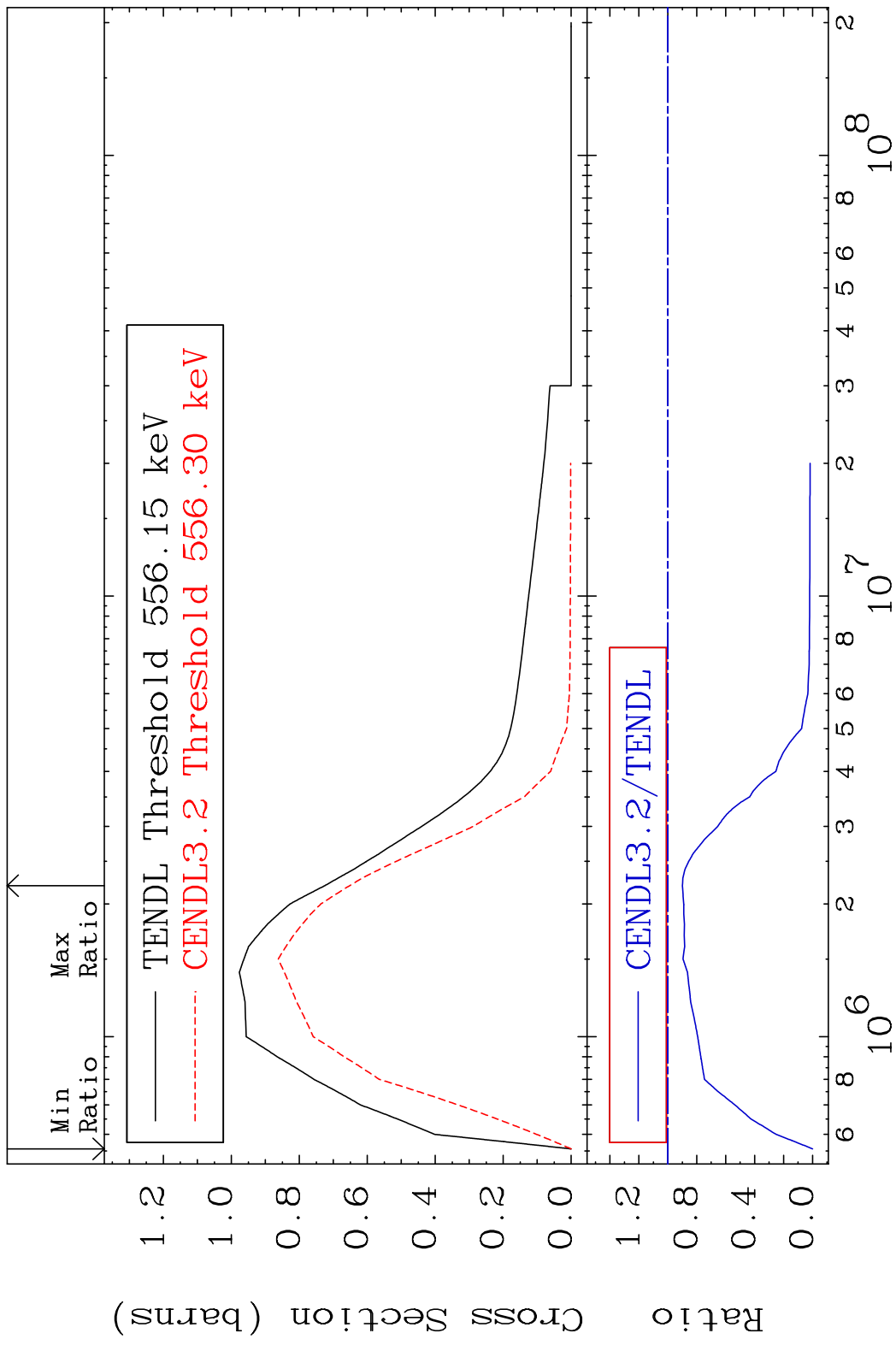
(n,2n) p

58-Ce-136

Cross Section -100.0 To -91.35%

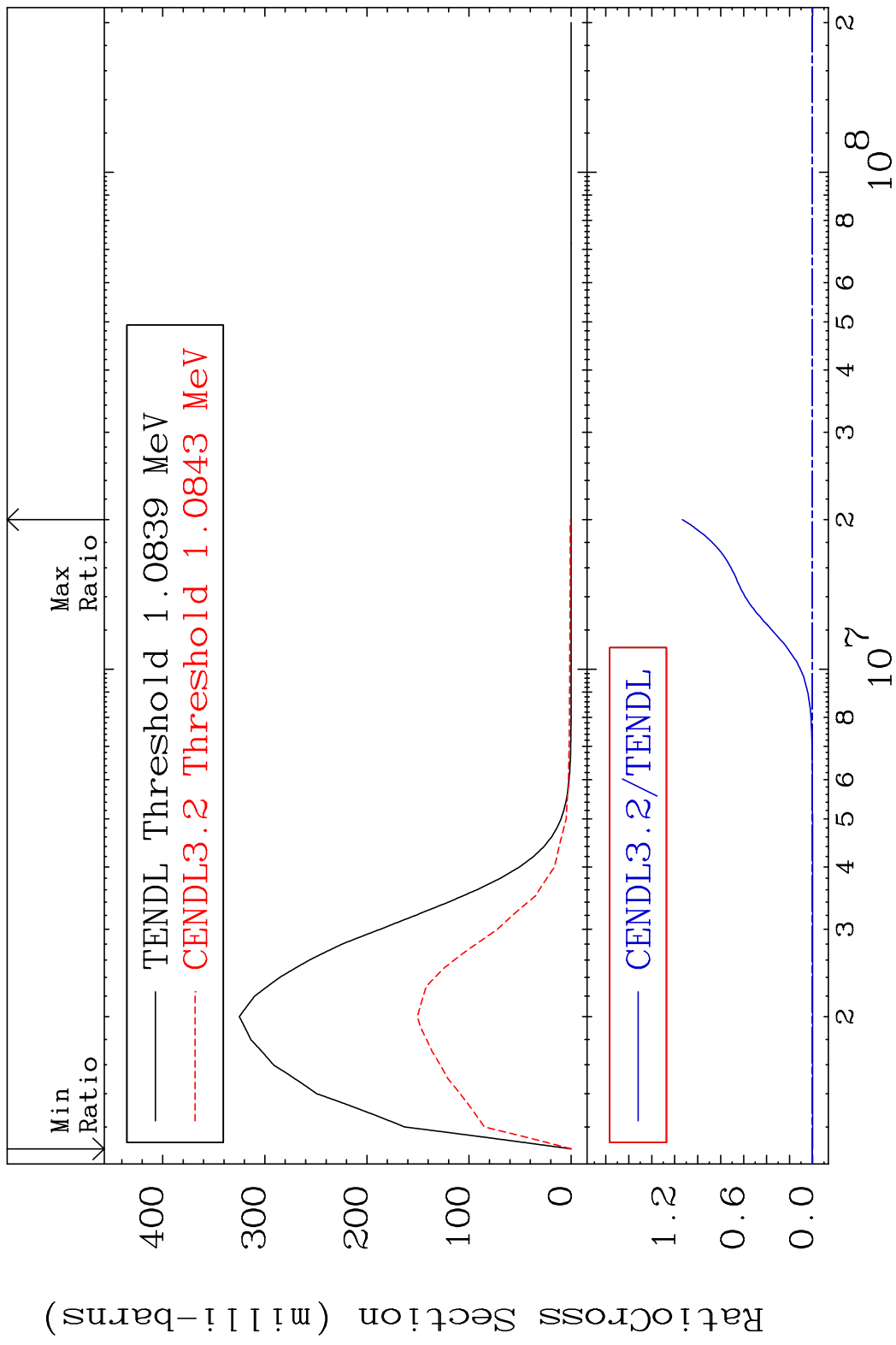


MAT 5825 MT= 51 (n,n') Level 58-Ce-136
 Cross Section -100.0 To -10.05%

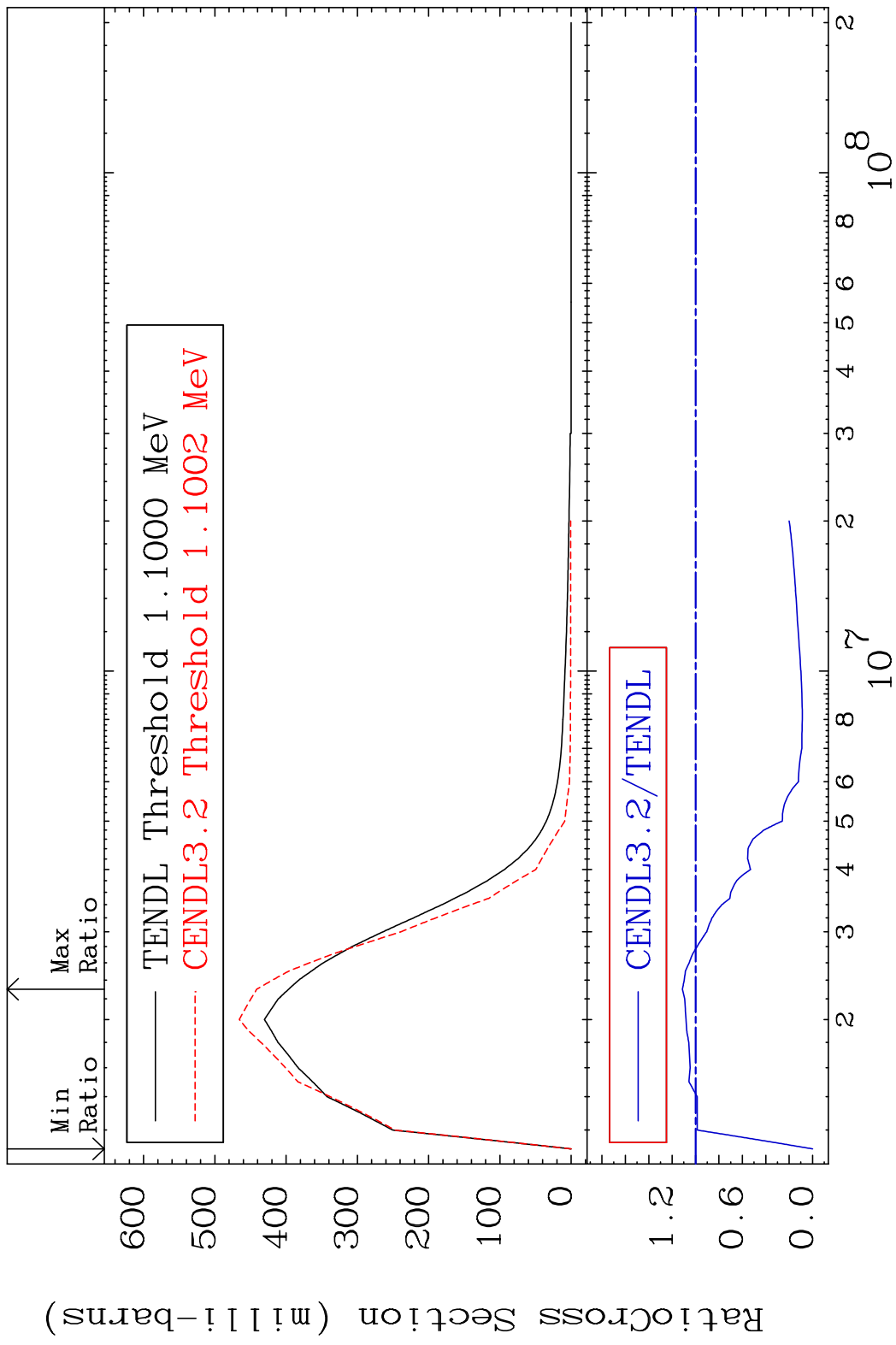


10 Incident Energy (eV) 58-Ce-136

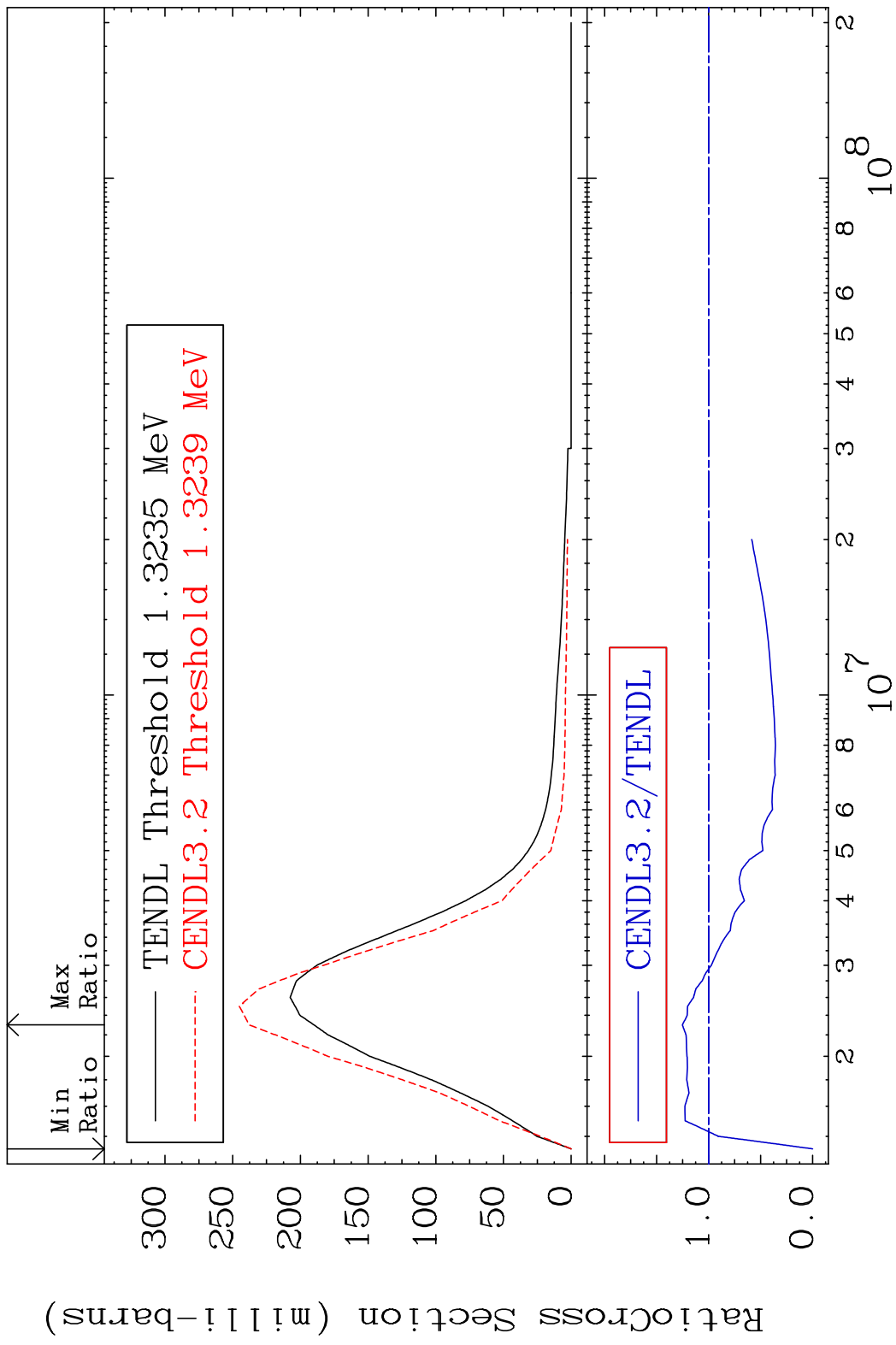
MAT 5825 MT= 52 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



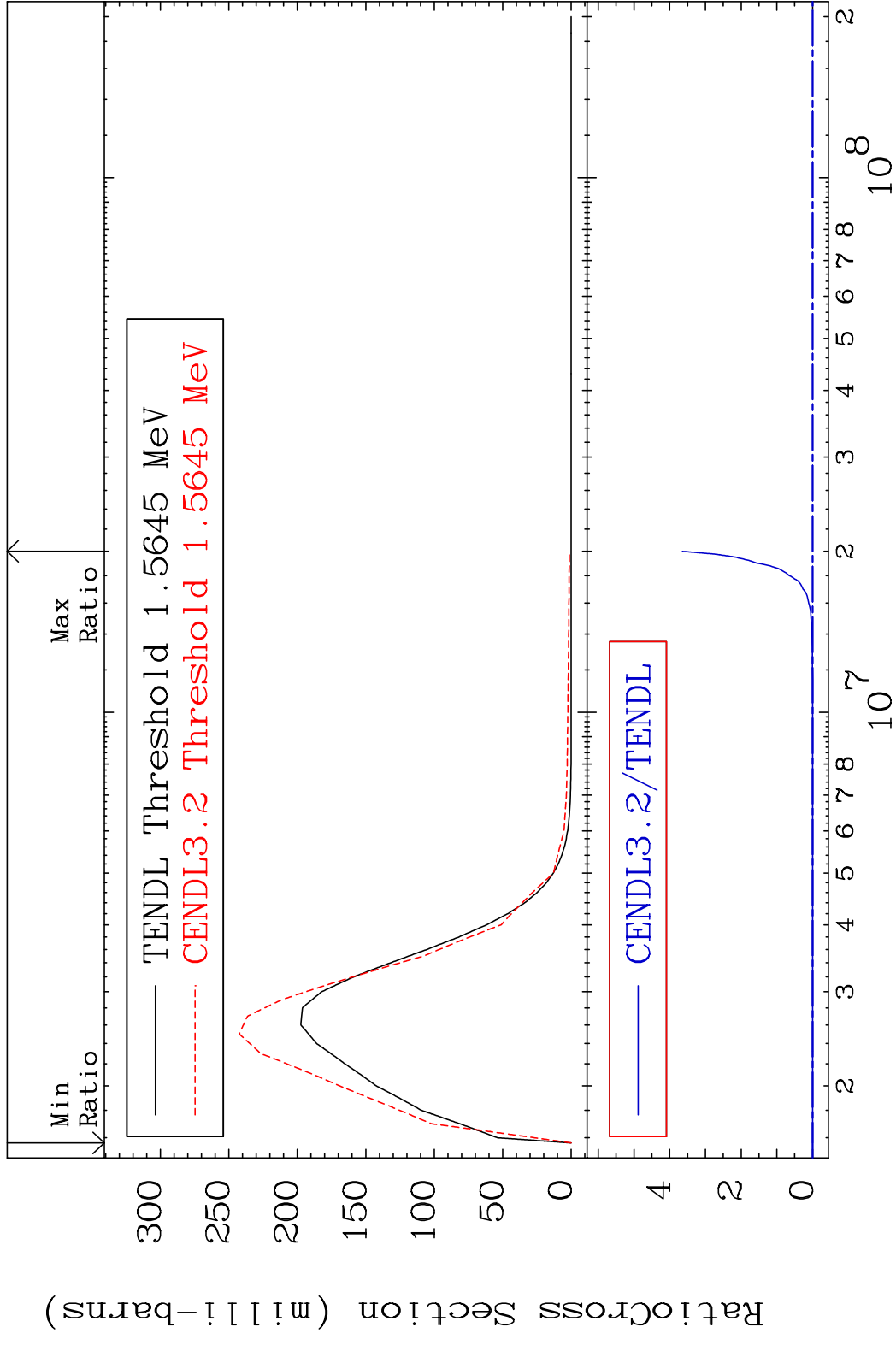
MAT 5825 MT= 53 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 11.29 %



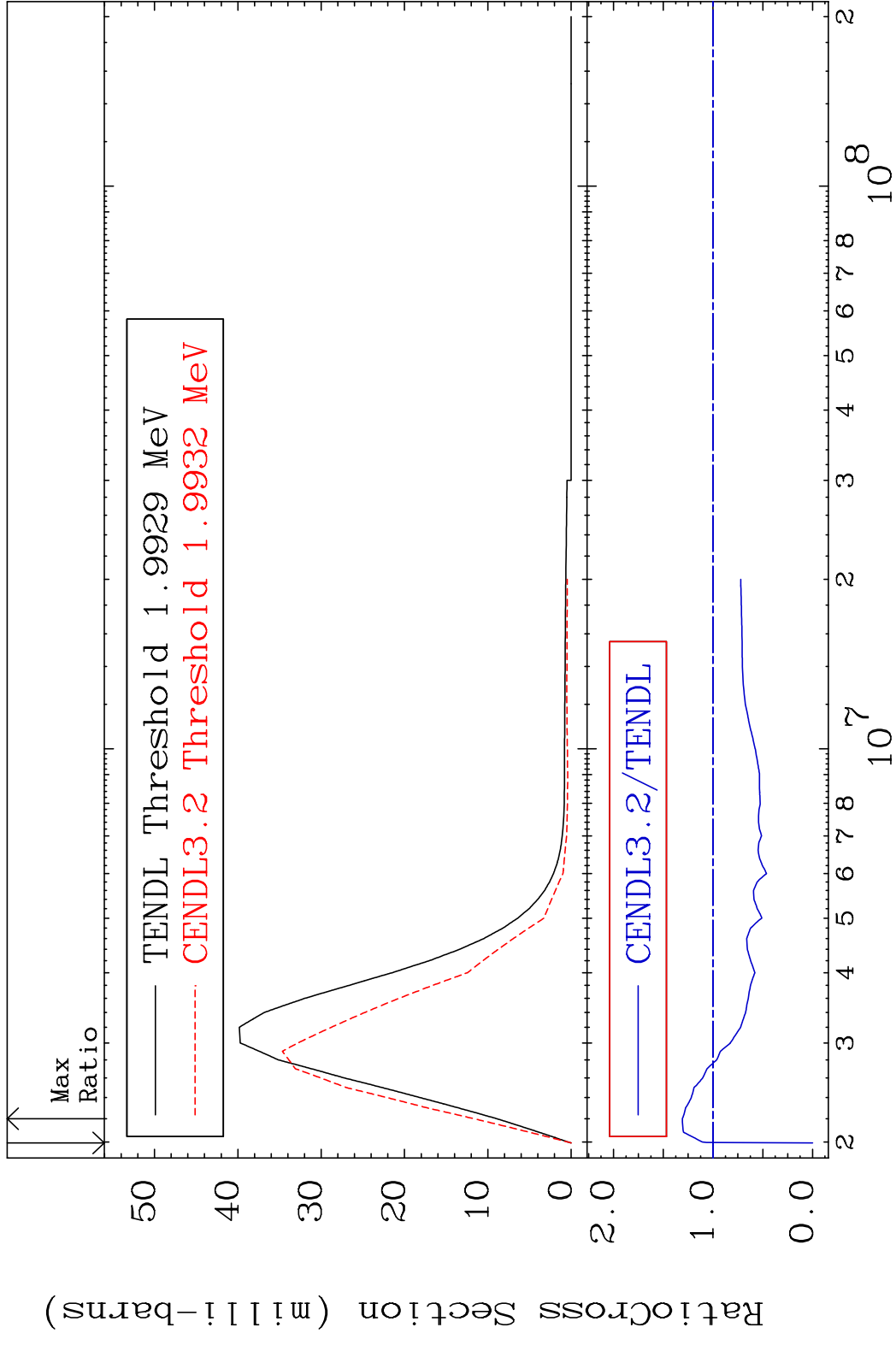
MAT 5825 MT= 54 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 25.24 %



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



MAT 5825 MT= 56 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 30.83 %

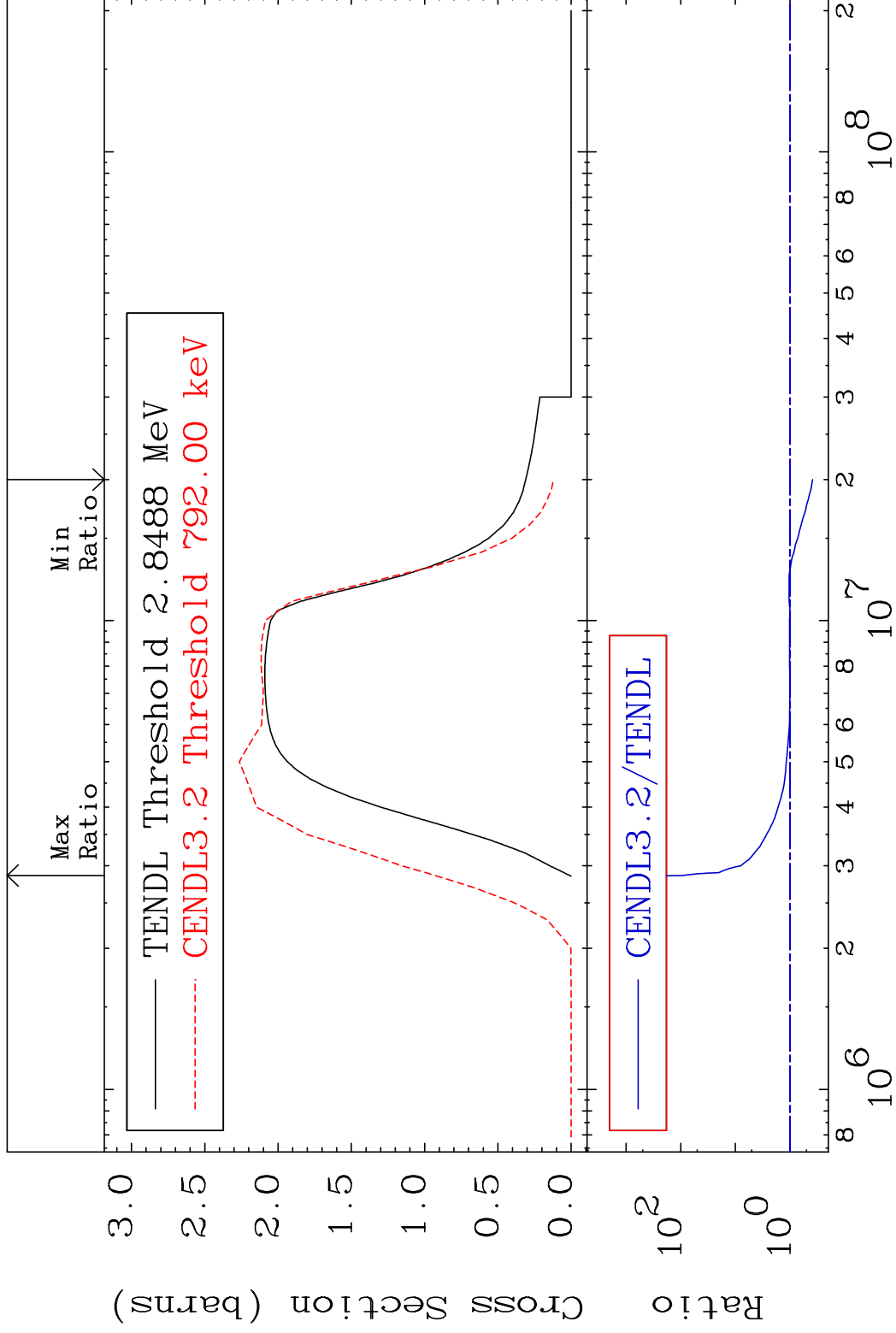


MAT 5825

(n, n') Continuum

58-Ce-136

Cross Section -61.41 To 9254. %



16

Incident Energy (eV)

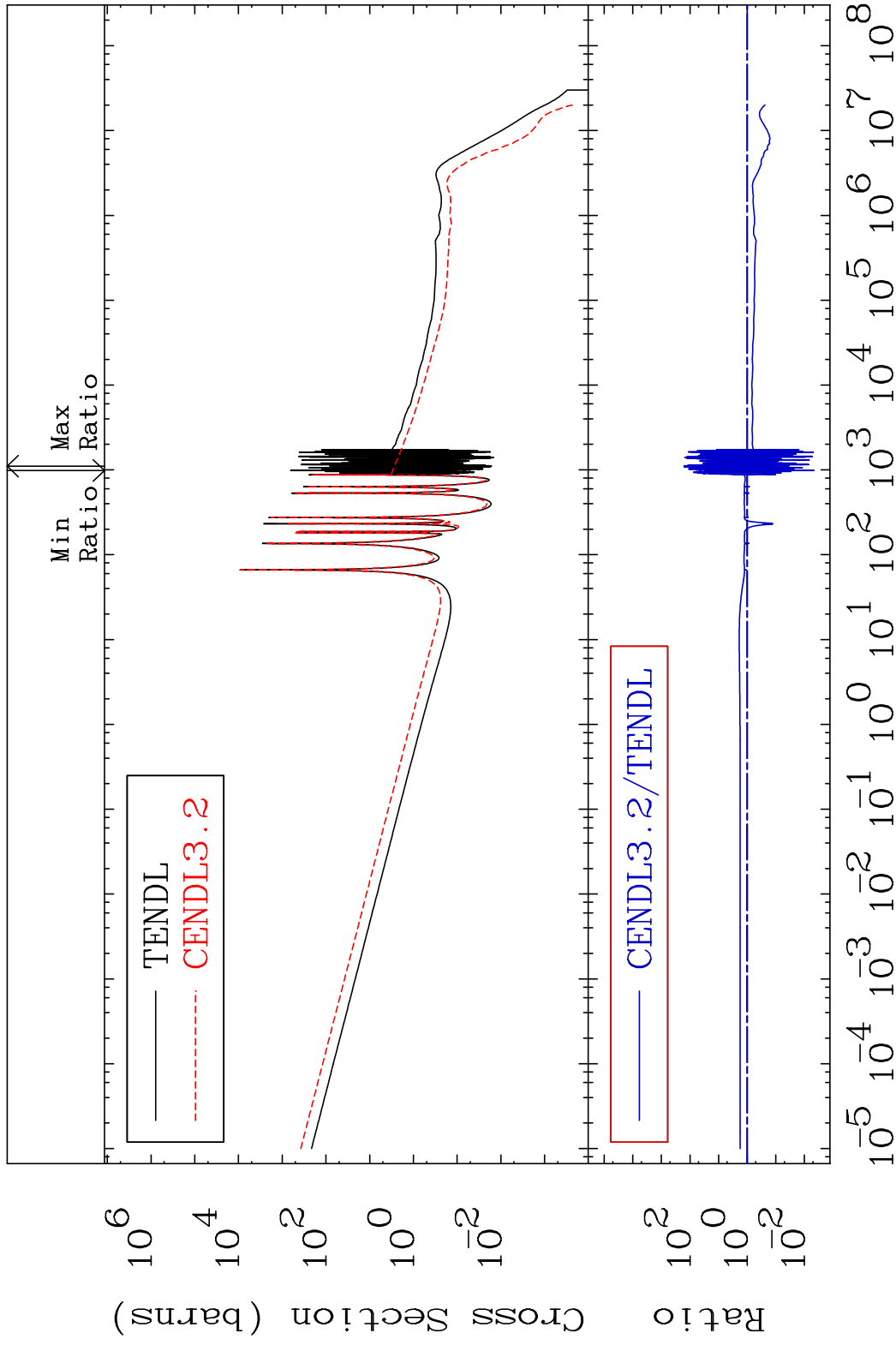
58-Ce-136

MAT 5825

(n, γ)

58-Ce-136

Cross Section -99.54 To 9999. %



17

Incident Energy (eV)

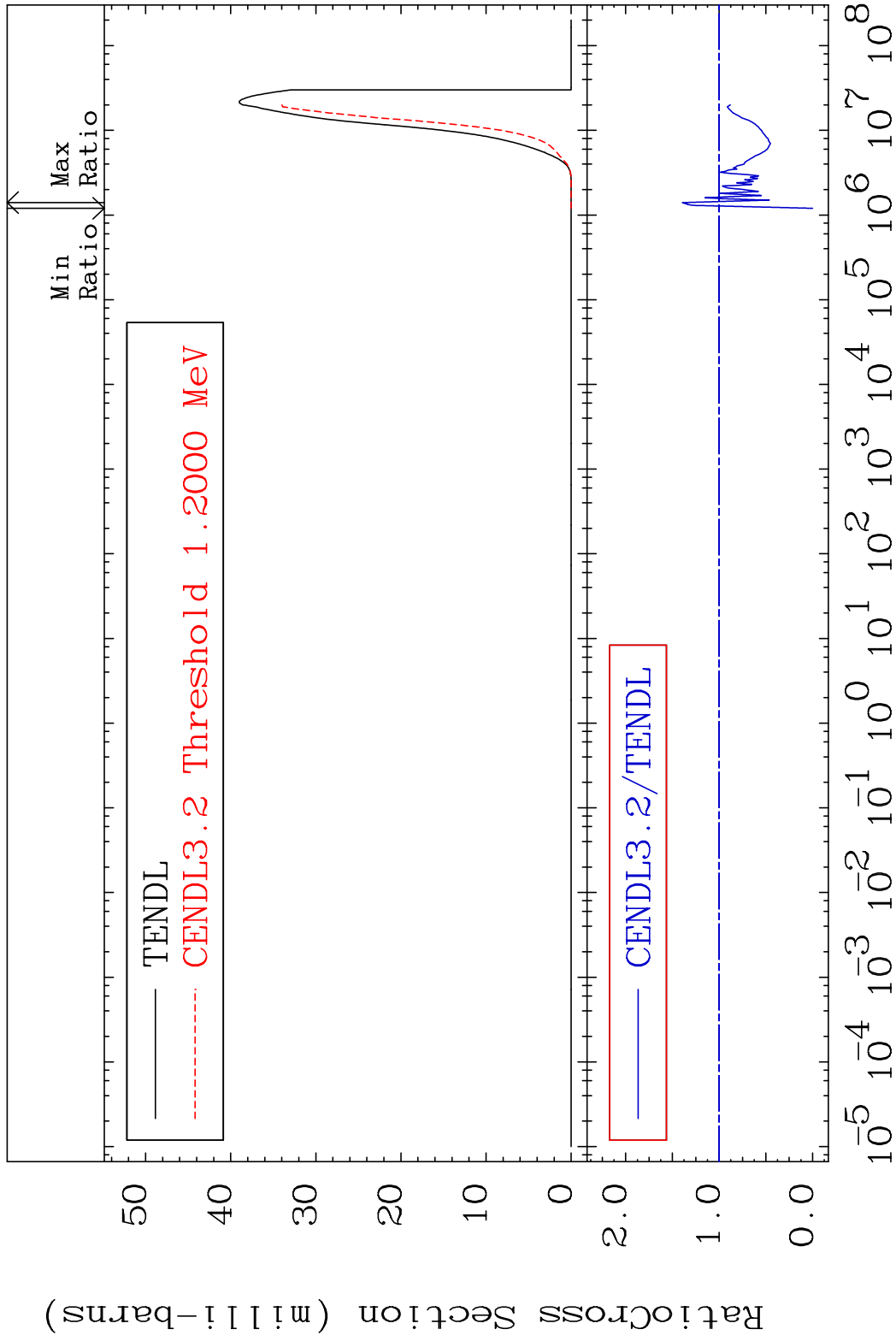
58-Ce-136

MAT 5825

(n,p)

58-Ce-136

Cross Section -100.0 To 39.36 %

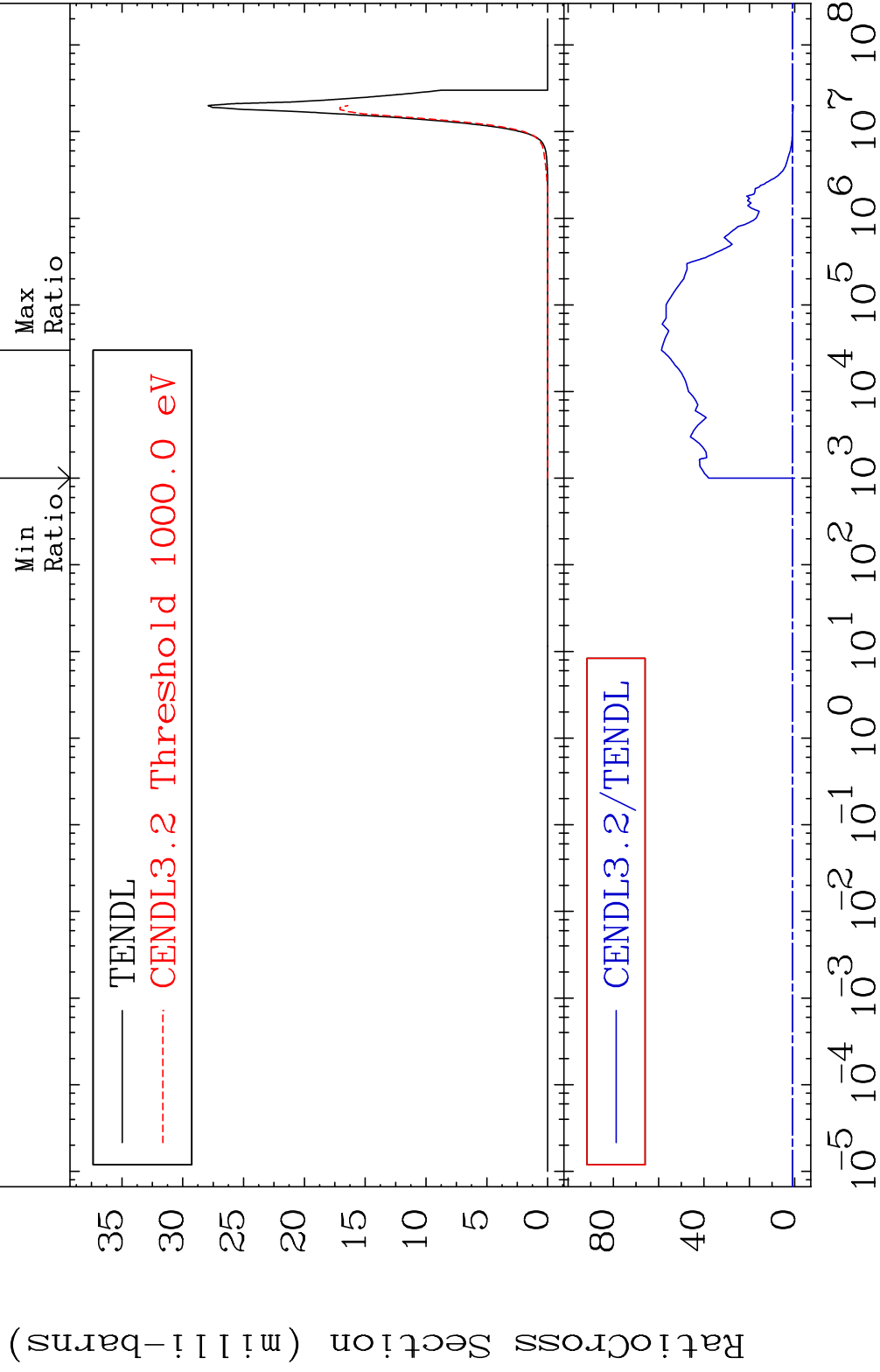


MAT 5825

(n, α)

58-Ce-136

Cross Section -100.0 To 5781. %



19

Incident Energy (eV)

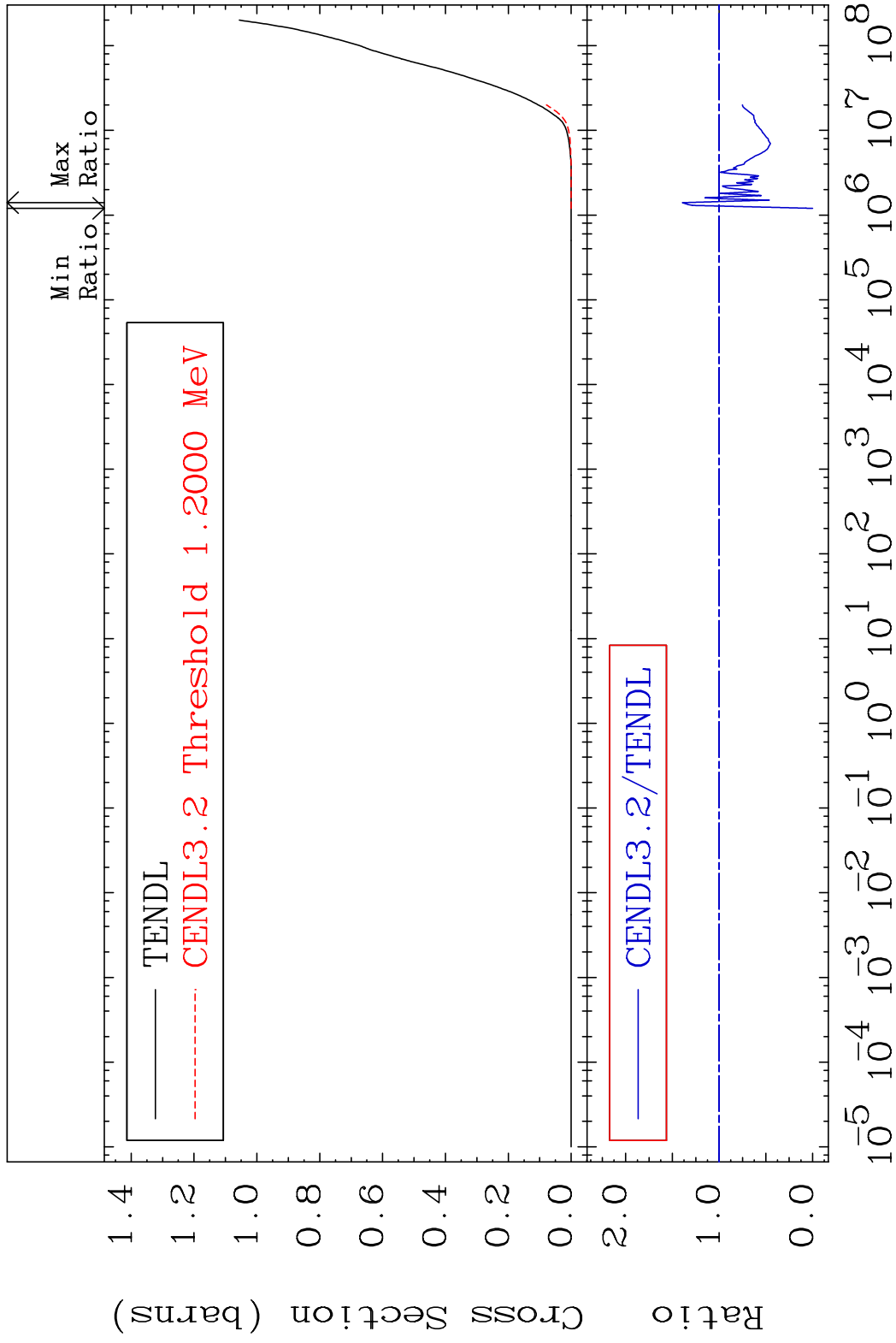
58-Ce-136

MAT 5825

Hydrogen Production

58-Ce-136

Cross Section -100.0 To 39.36 %



20

Incident Energy (eV)

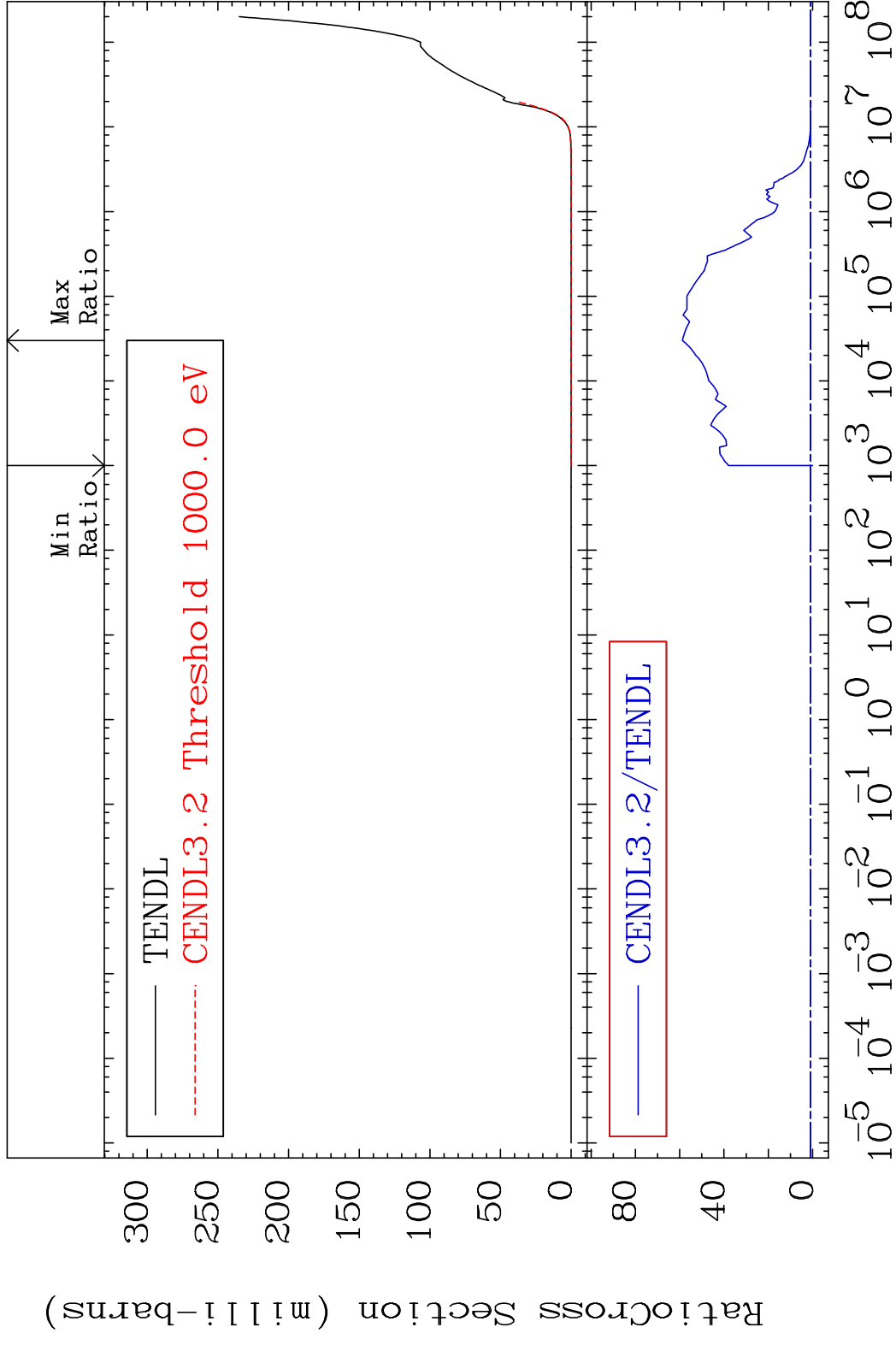
58-Ce-136

MAT 5825

He-4 Production

58-Ce-136

Cross Section -100.0 To 5781. %

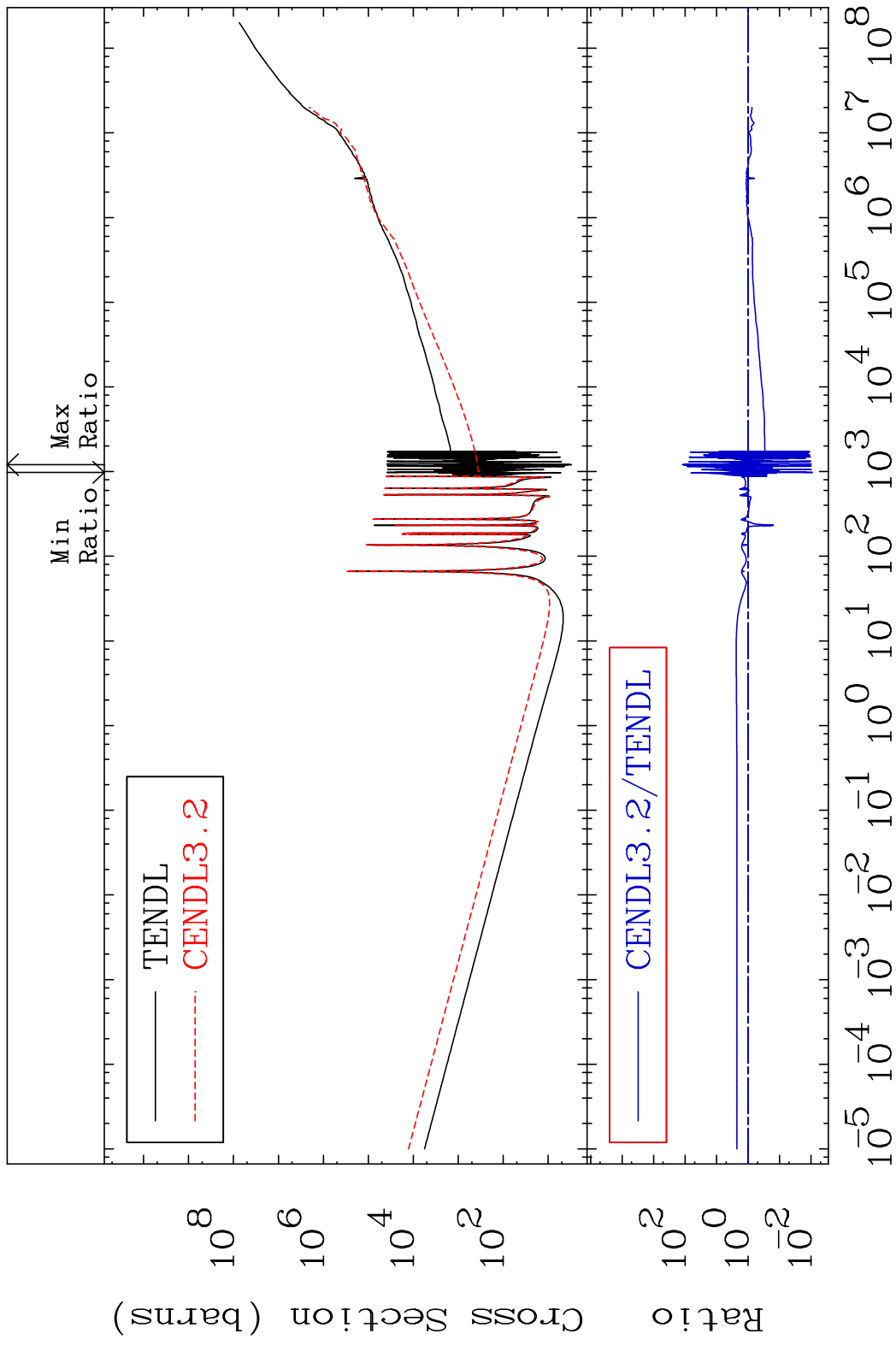


21

Incident Energy (eV)

58-Ce-136

MAT 5825 Kerma total (eV-barns) 58-Ce-136
 Cross Section -99.11 To 9999. %

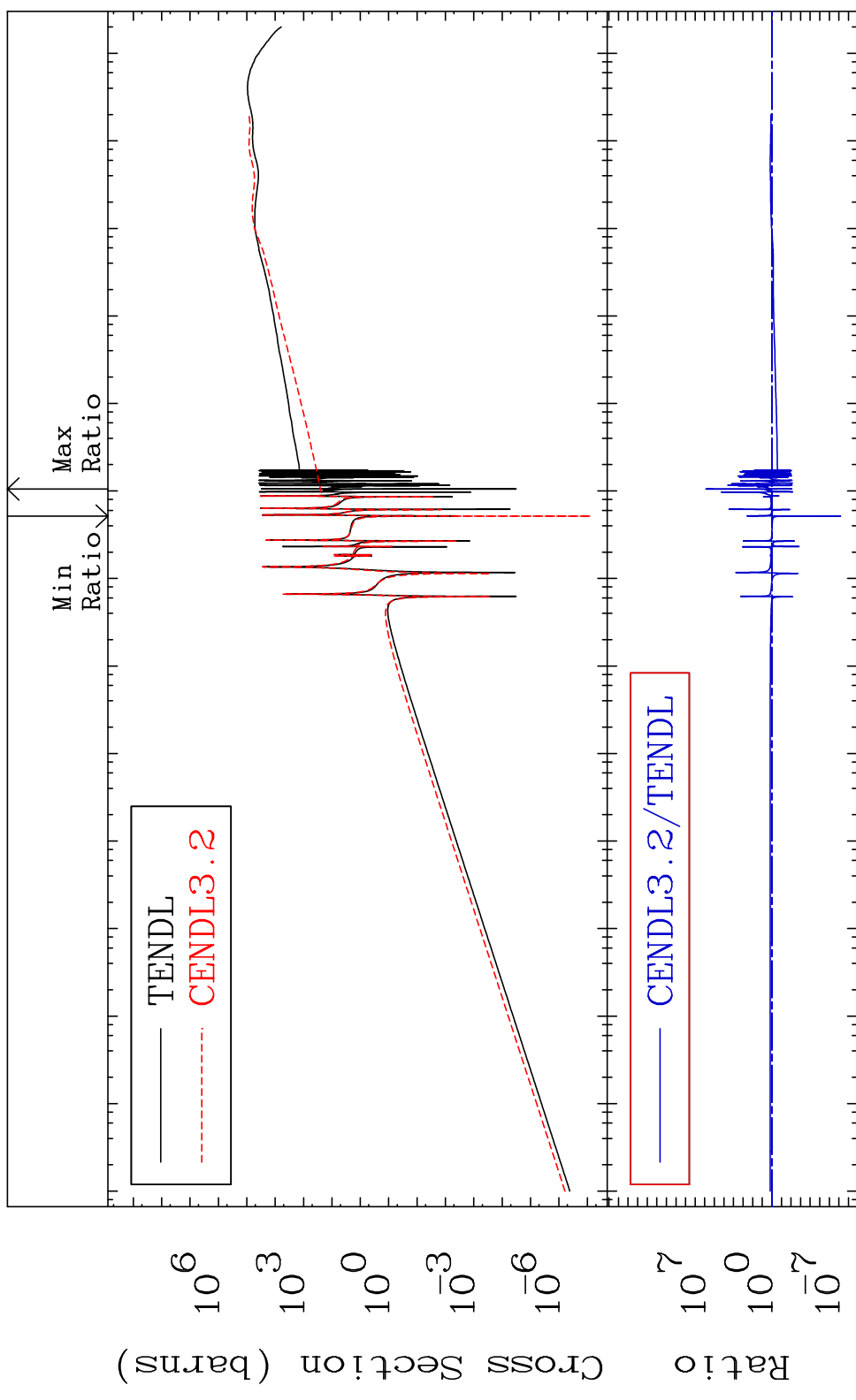


22 Incident Energy (eV) 58-Ce-136

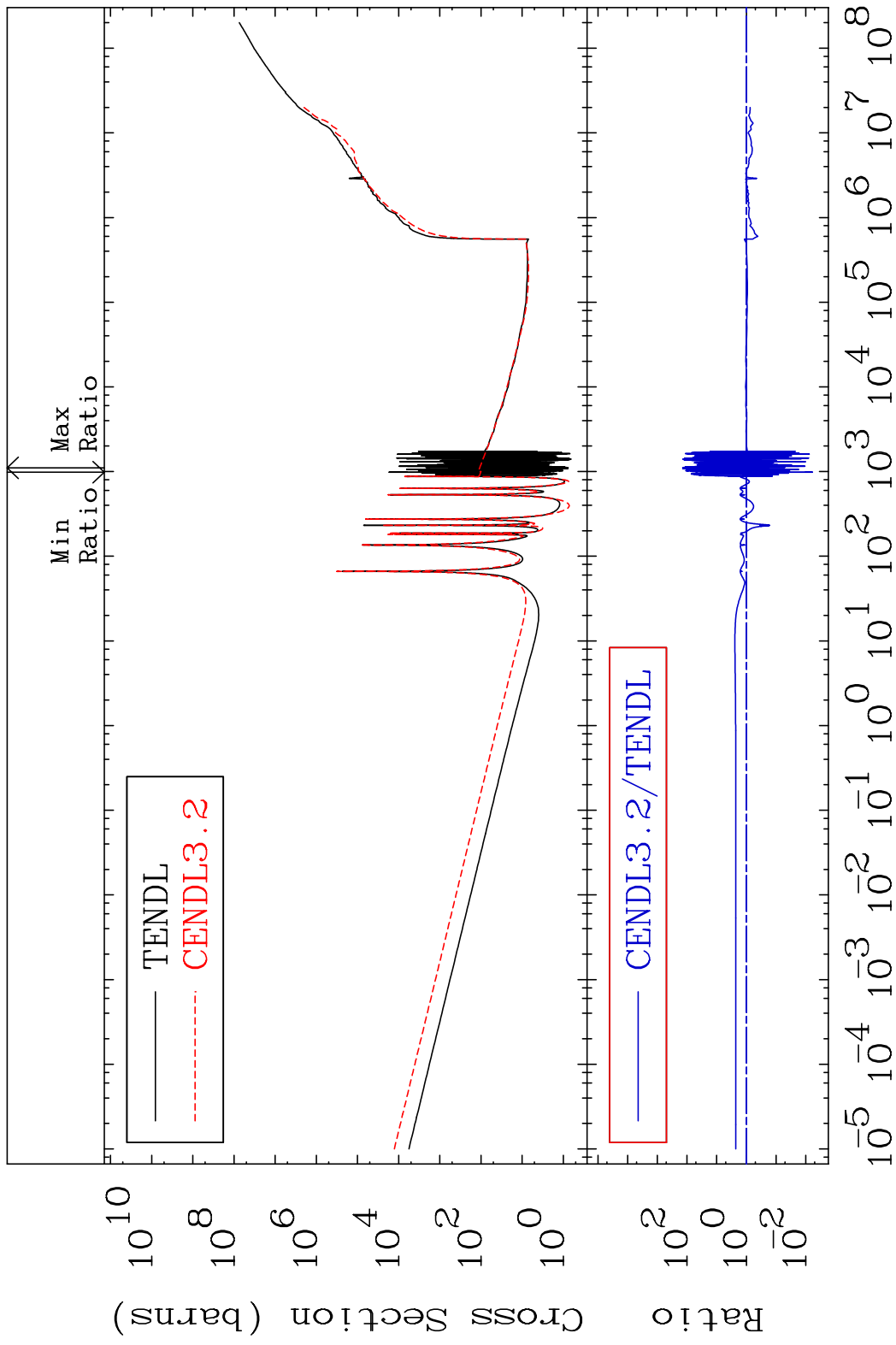
MAT 5825

Kerma elastic
Cross Section -100.0 To 9999. %

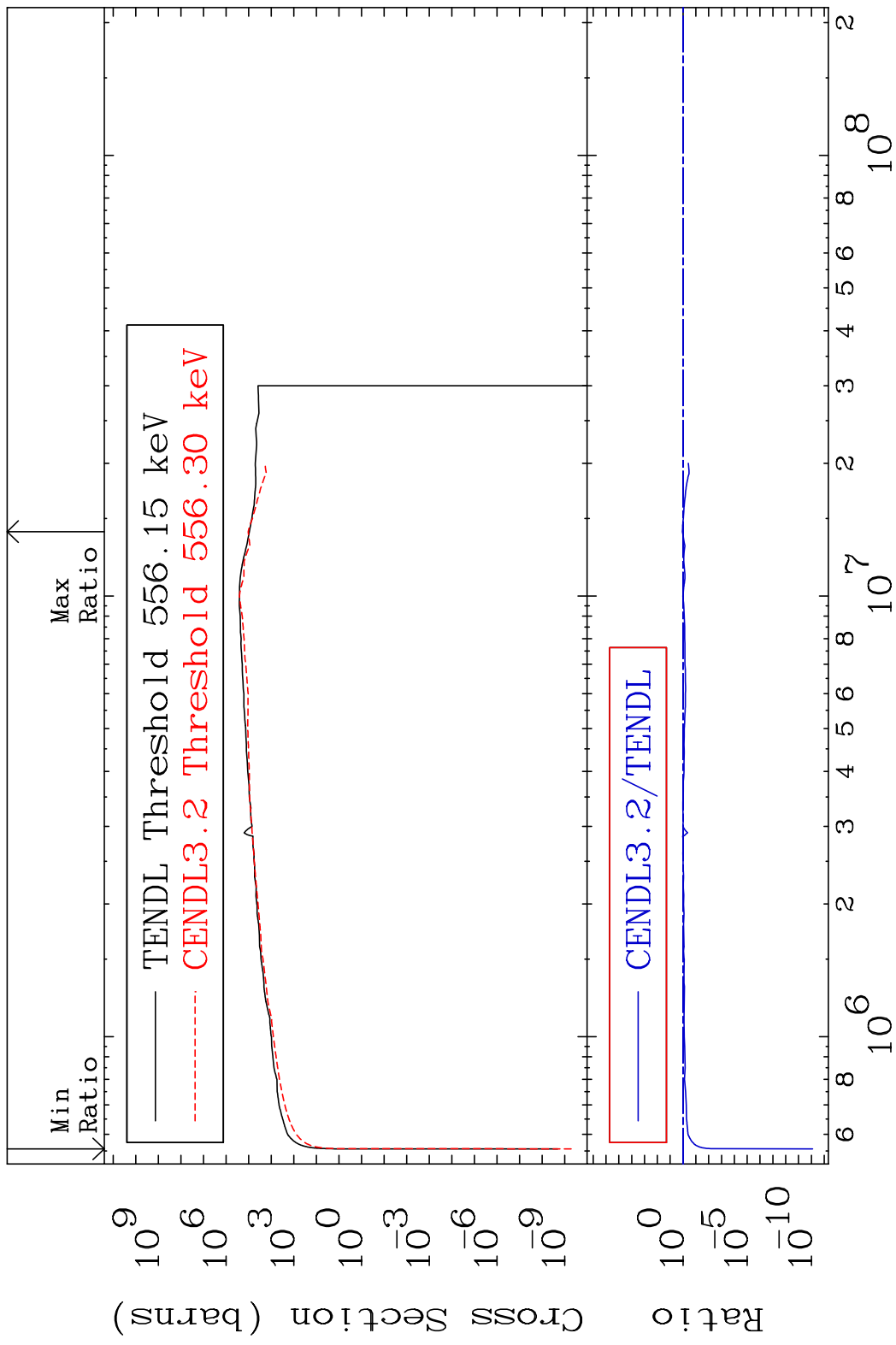
58-Ce-136



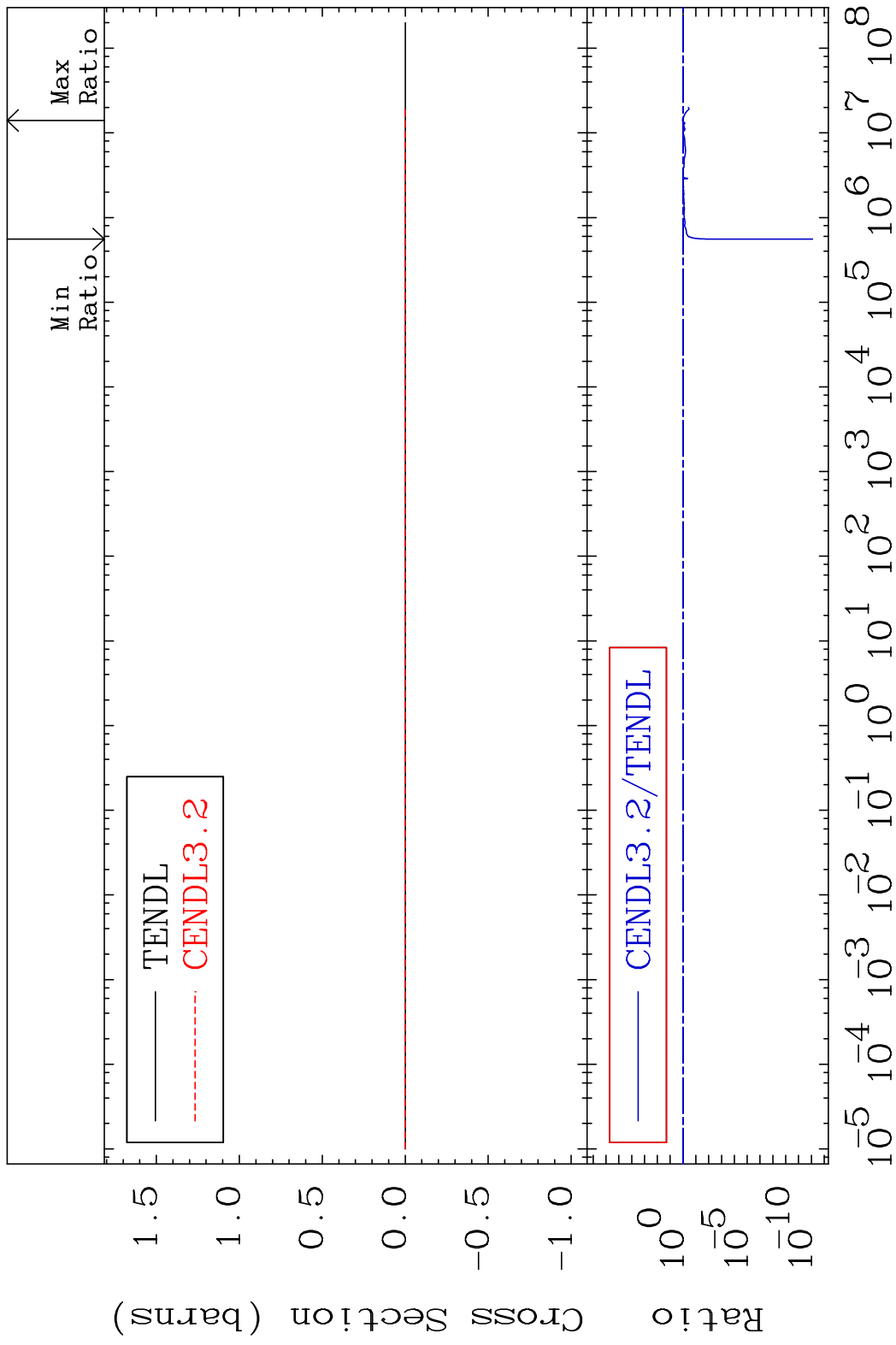
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -99.41 To 9999. %



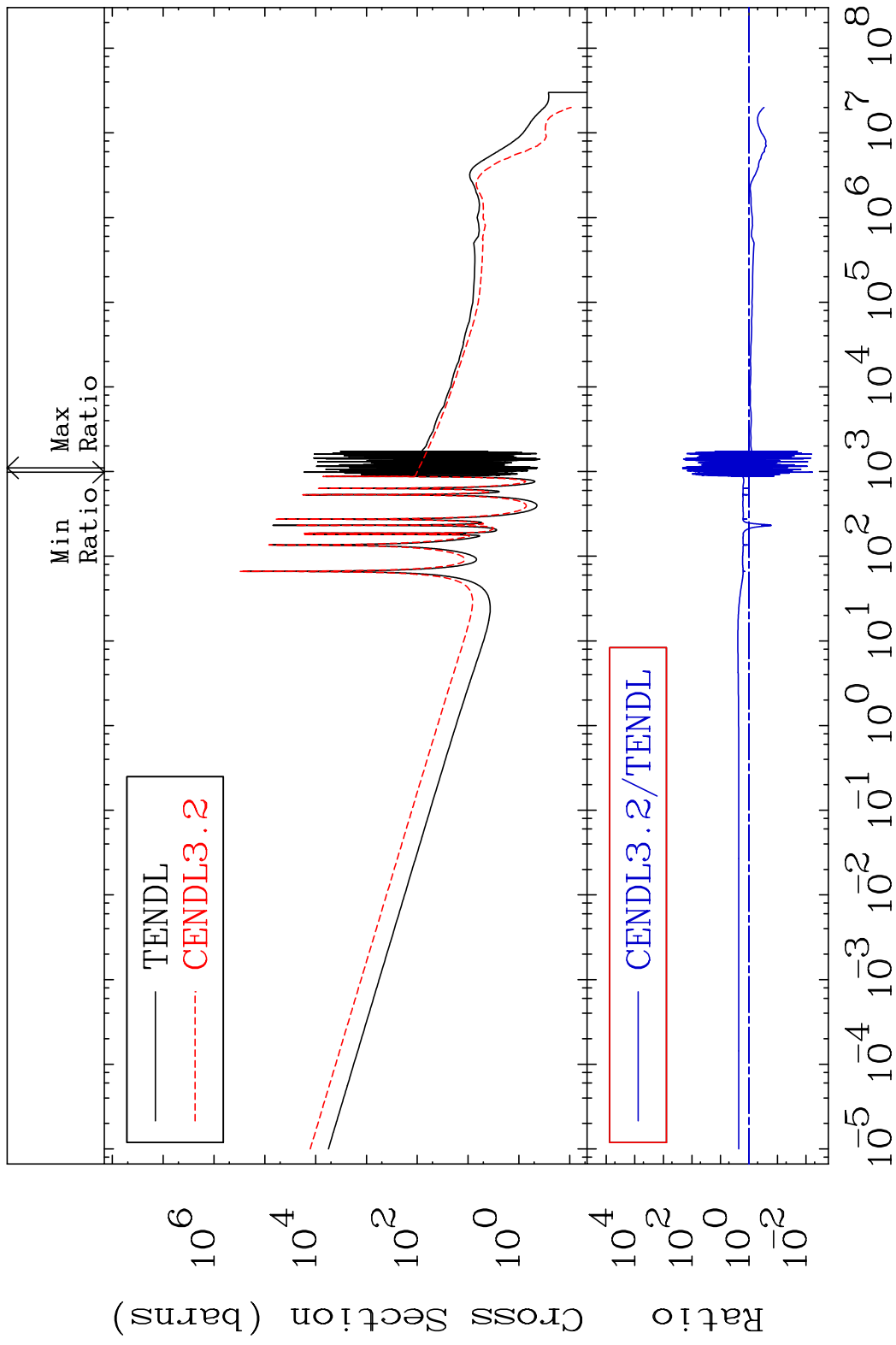
MAT 5825 Kerma inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 12.60 %



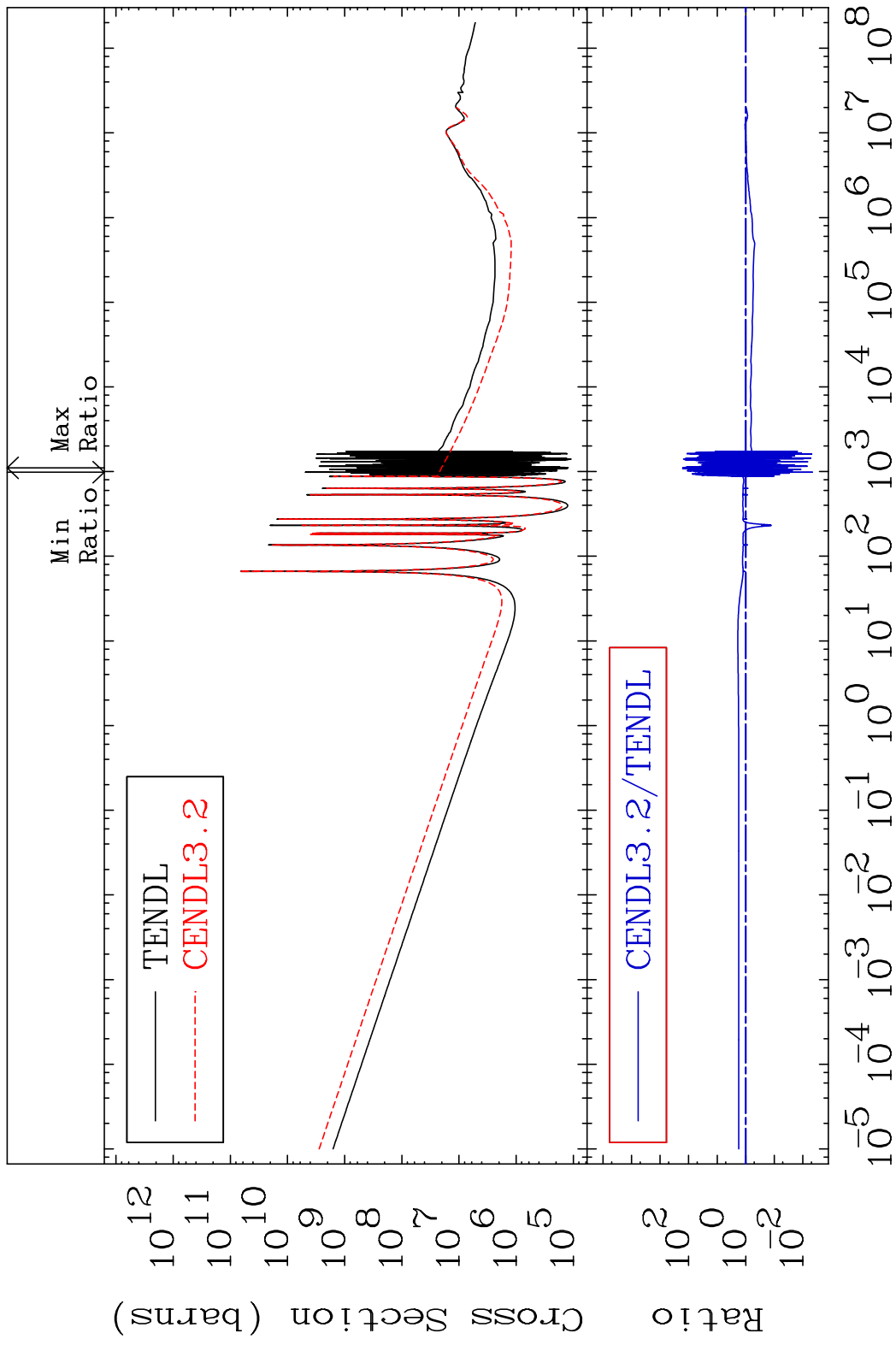
MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
 Cross Section -100.0 To 12.60 %



MAT 5825 Kerma capture (mt102) 58-Ce-136
 Cross Section -99.41 To 9999. %

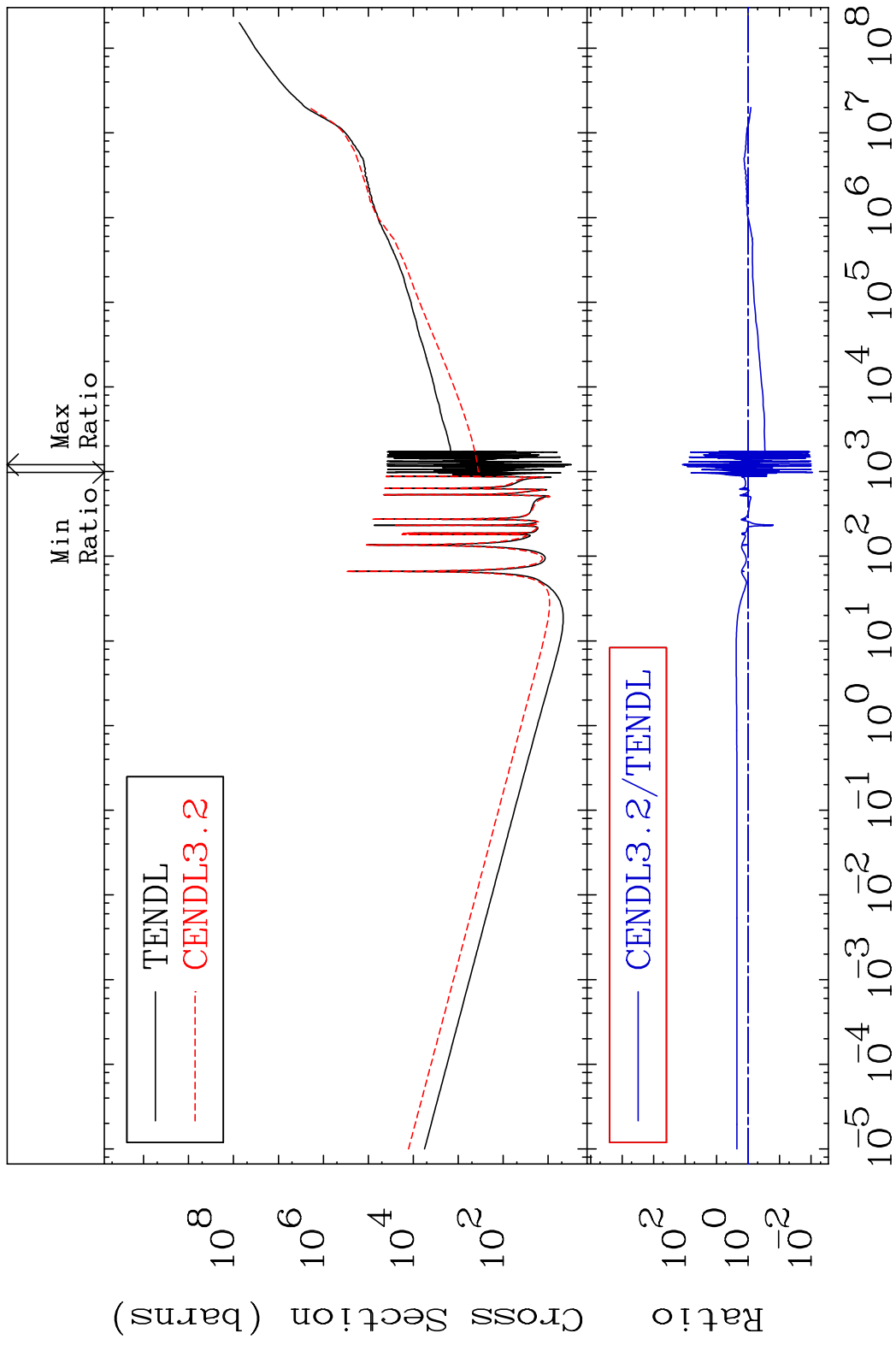


MAT 5825 Total photon (eV-barns) 58-Ce-136
 Cross Section -99.55 To 9999. %

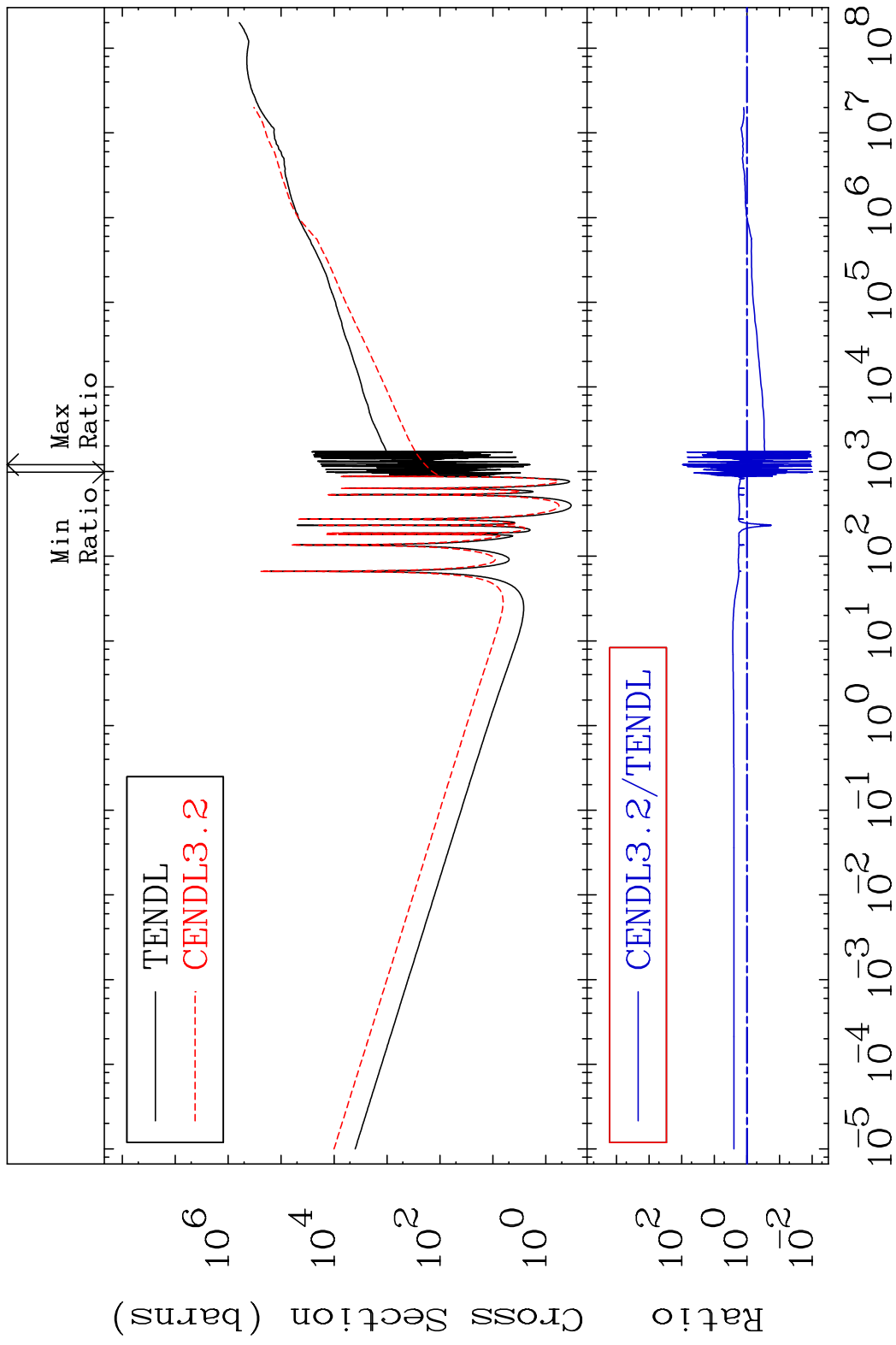


28 Incident Energy (eV) 58-Ce-136

MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -99.11 To 9999. %

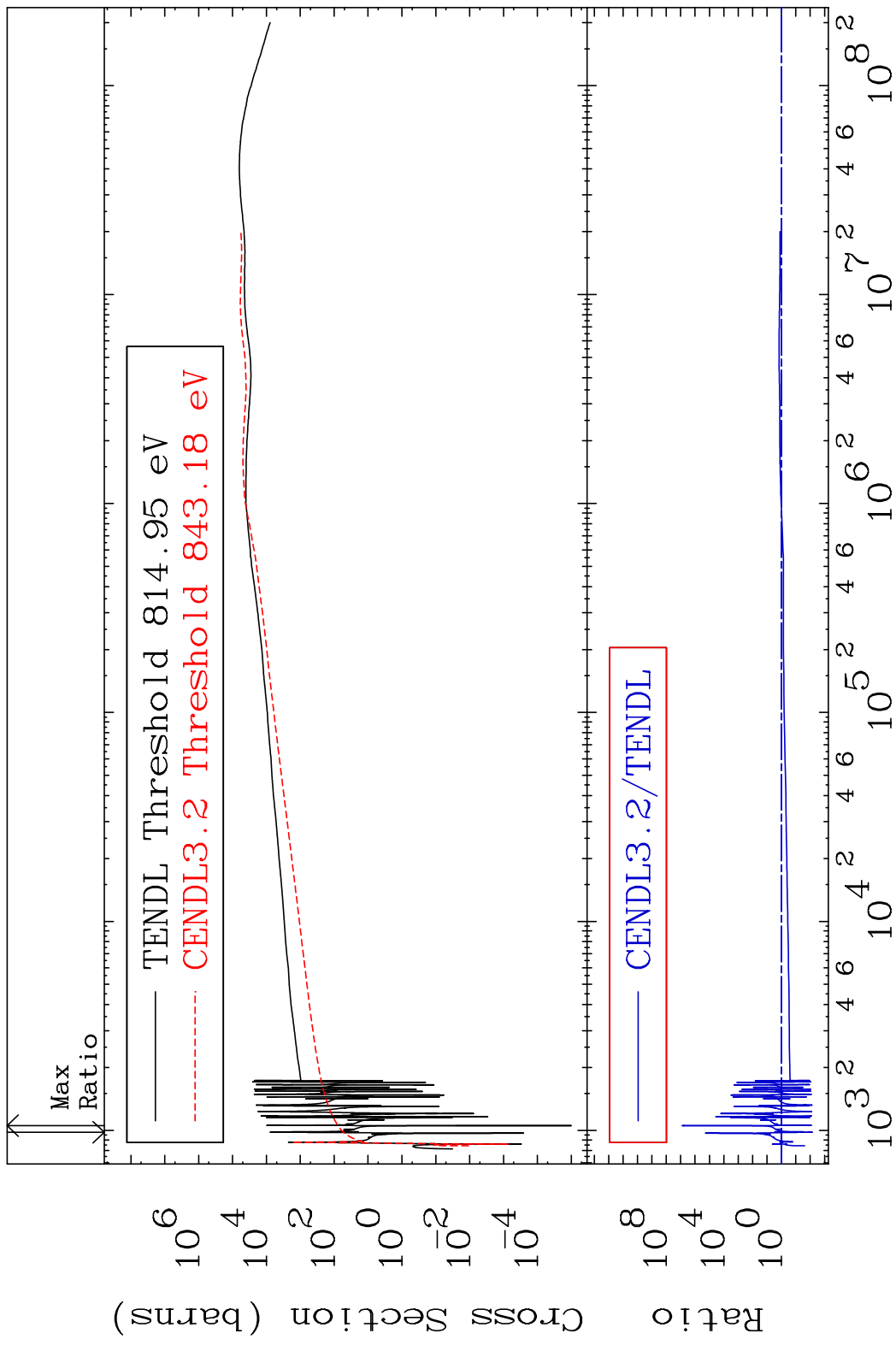


MAT 5825 Dpa total (eV-barns) 58-Ce-136
 Cross Section -99.03 To 9476. %

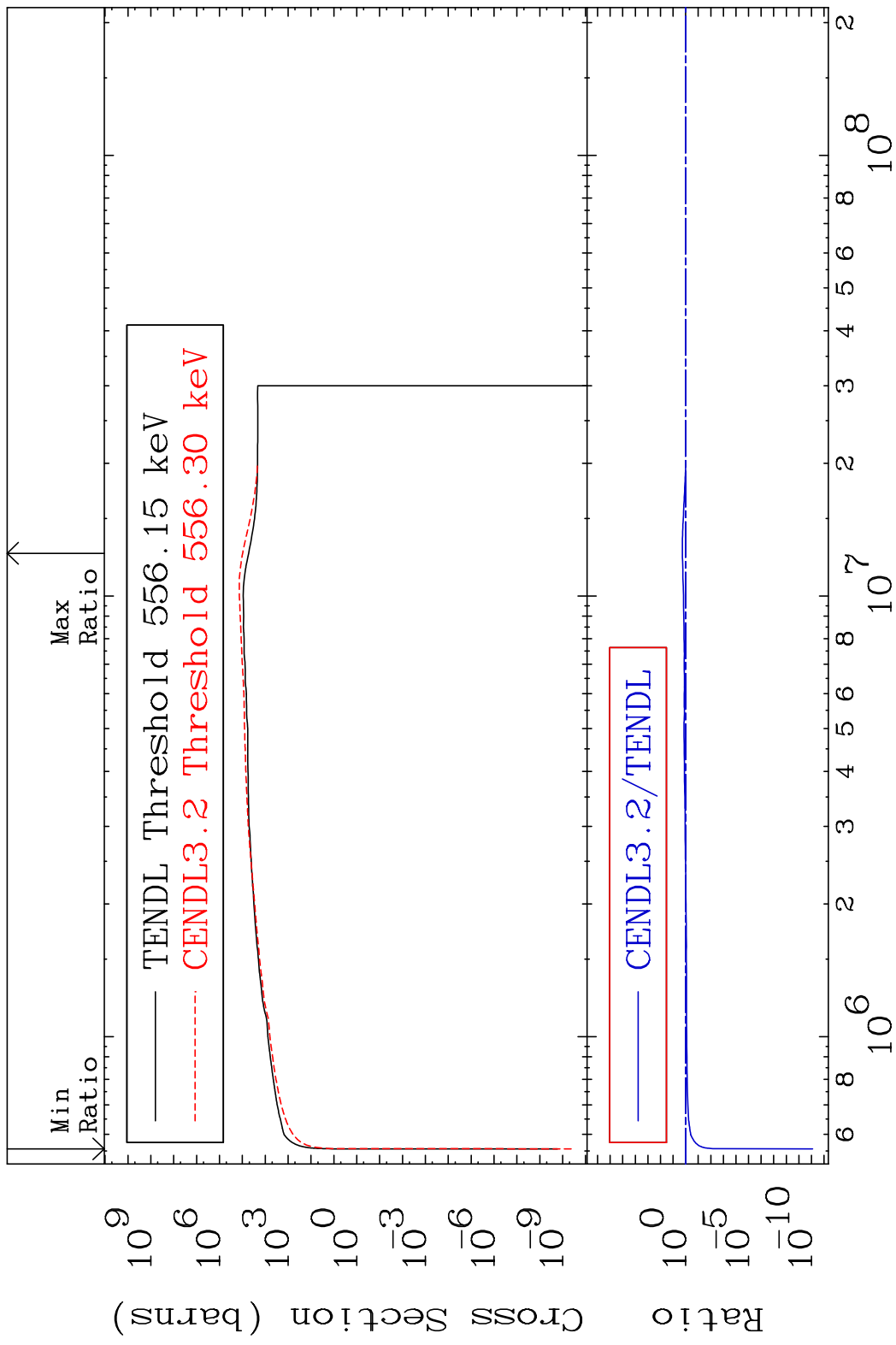


30 Incident Energy (eV) 58-Ce-136

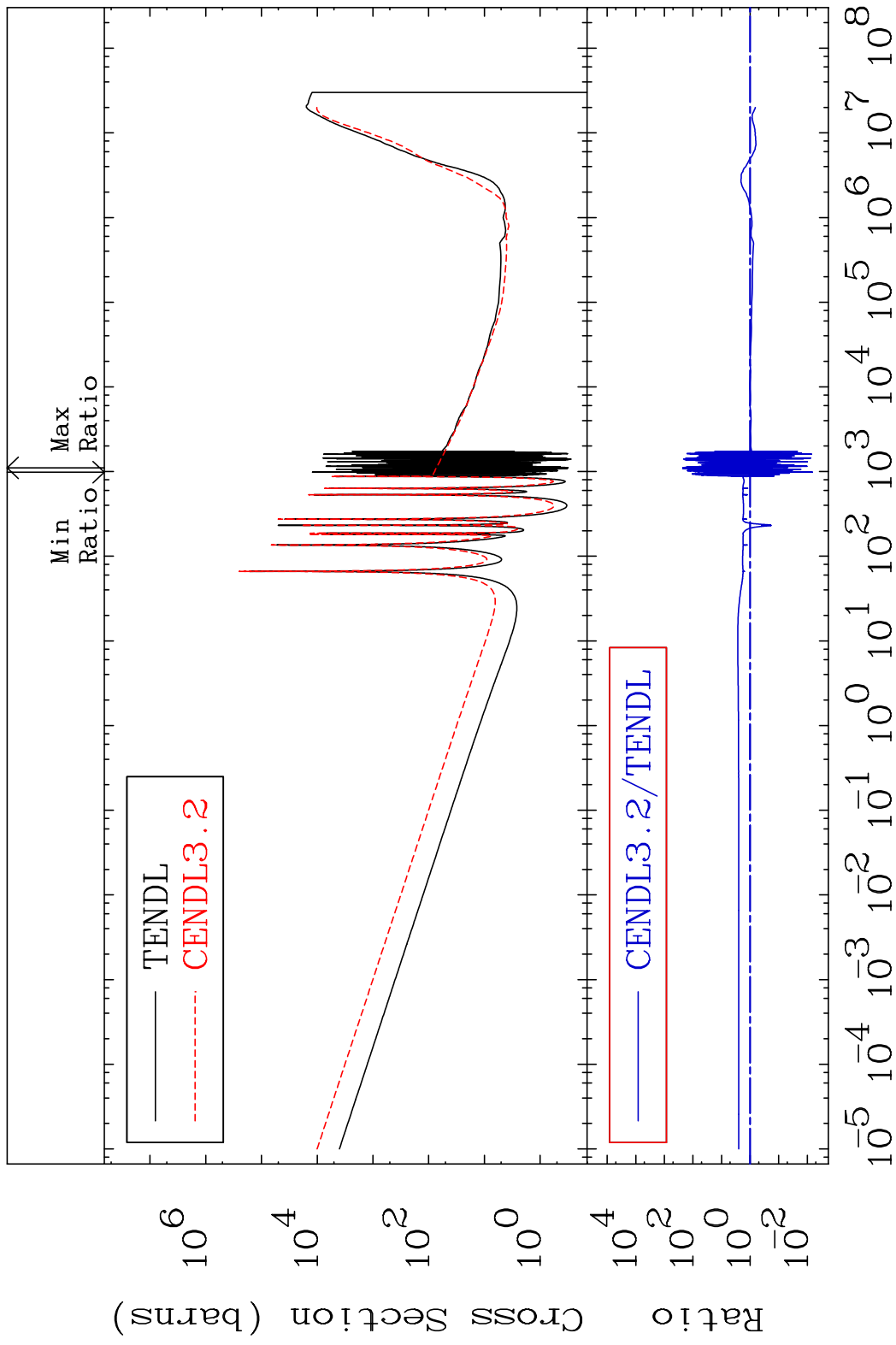
MAT 5825 Dpa elastic (mt2) 58-Ce-136
 Cross Section -99.31 To 9999. %



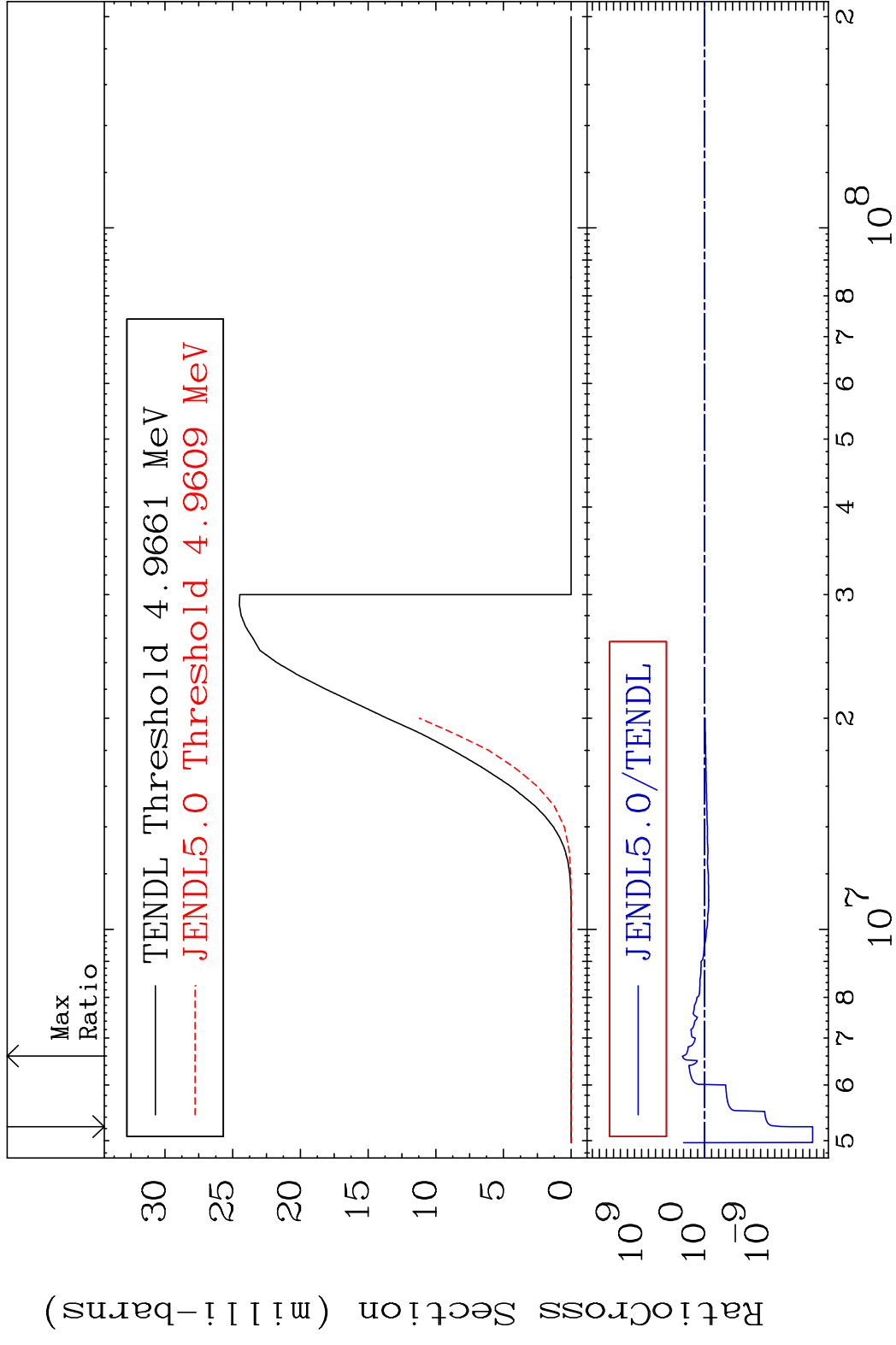
MAT 5825 Dpa inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 81.89 %



MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
 Cross Section -99.35 To 9999. %



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

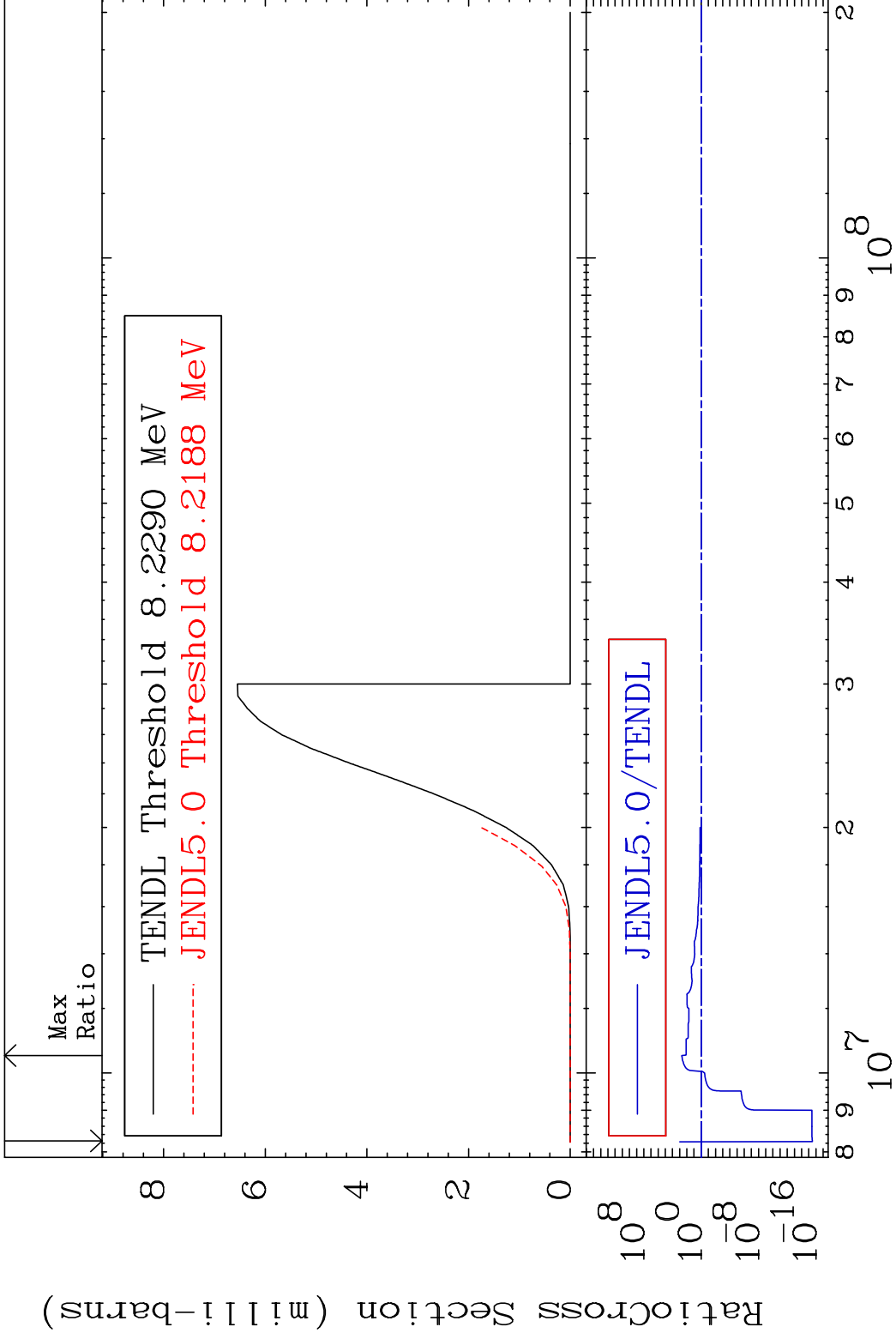


MAT 5825

(n, t)

58-Ce-136

Cross Section -100.0 To 9999. %

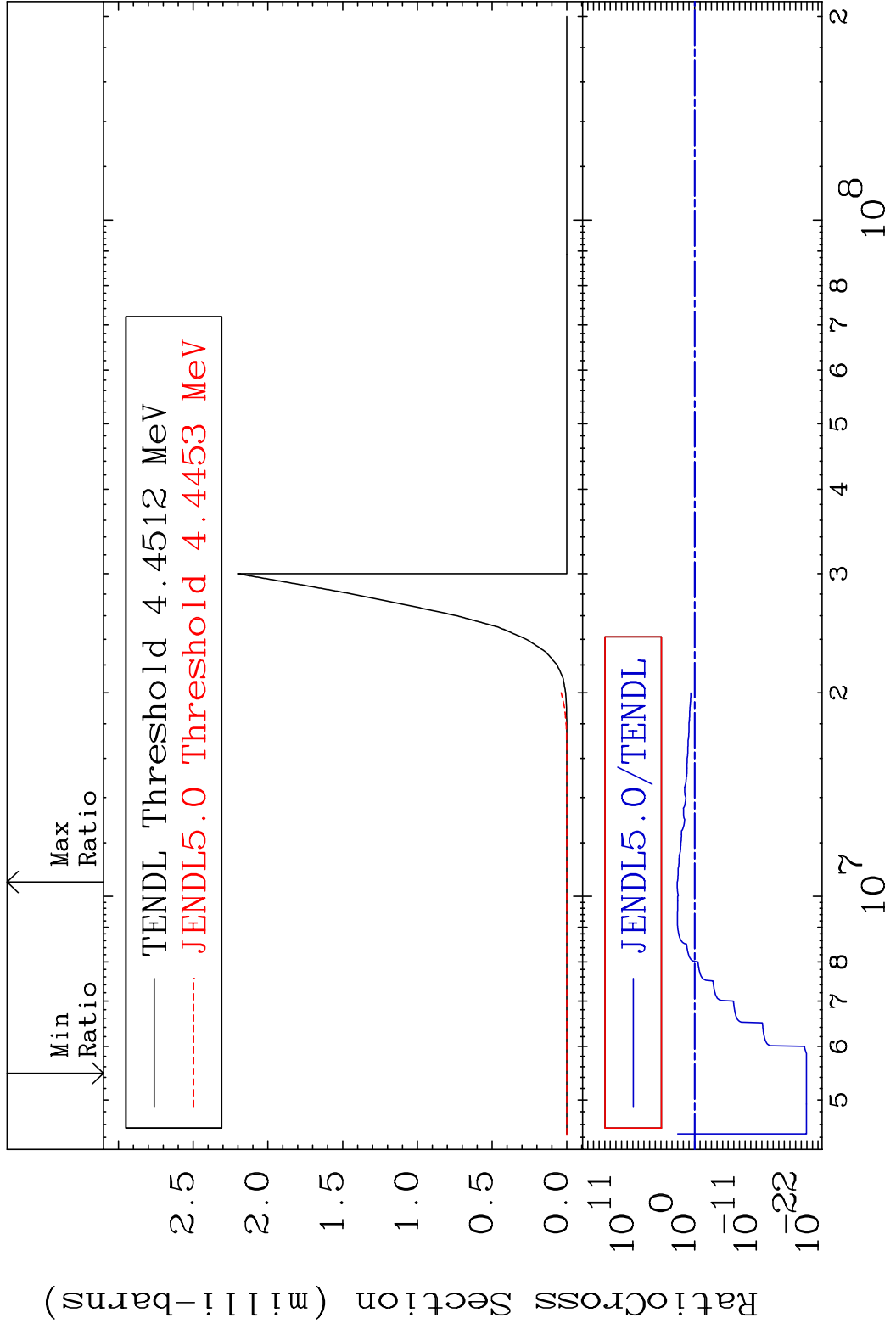


35

Incident Energy (eV)

58-Ce-136

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

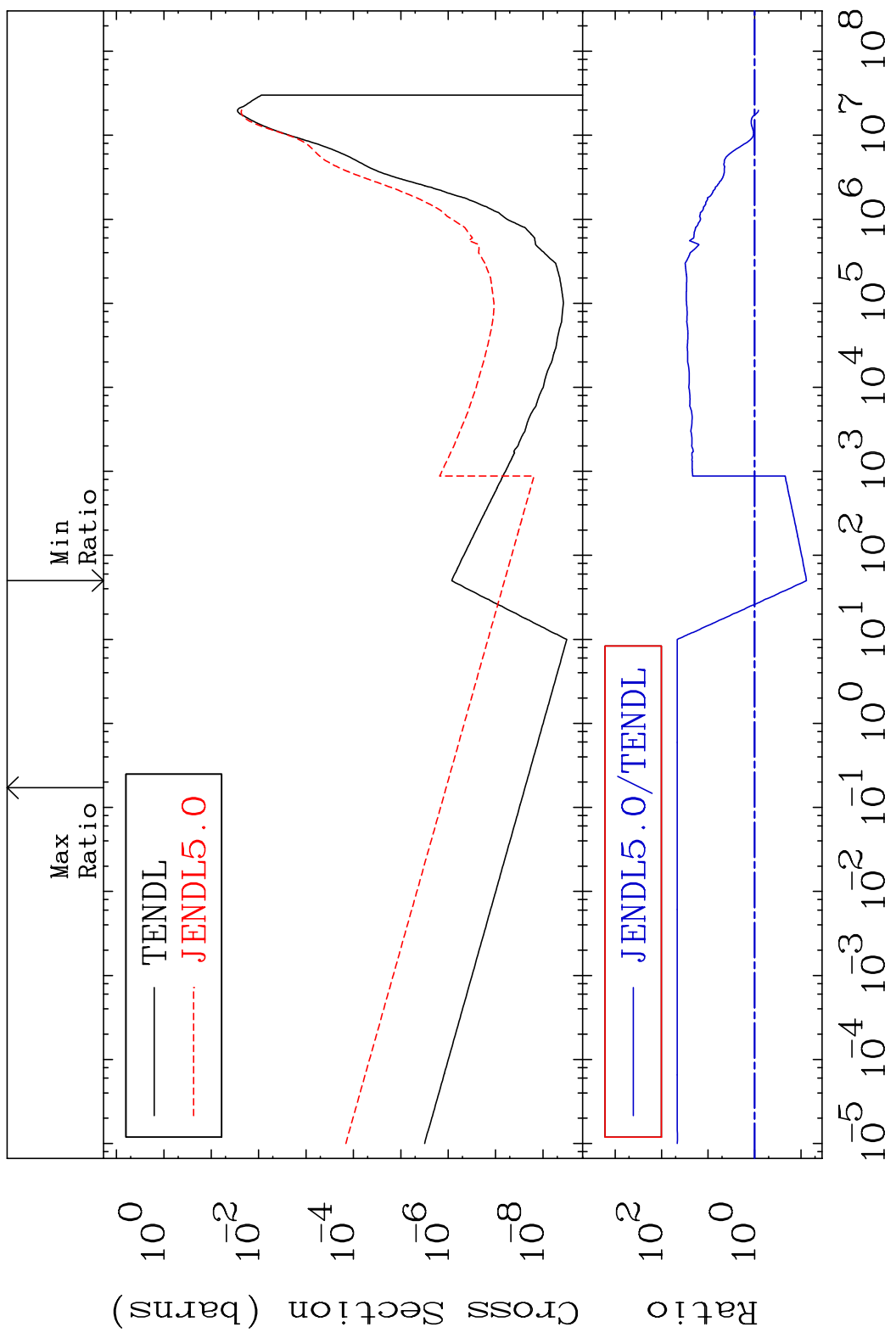


MAT 5825

(n, α)

58-Ce-136

Cross Section -92.31 To 4525. %

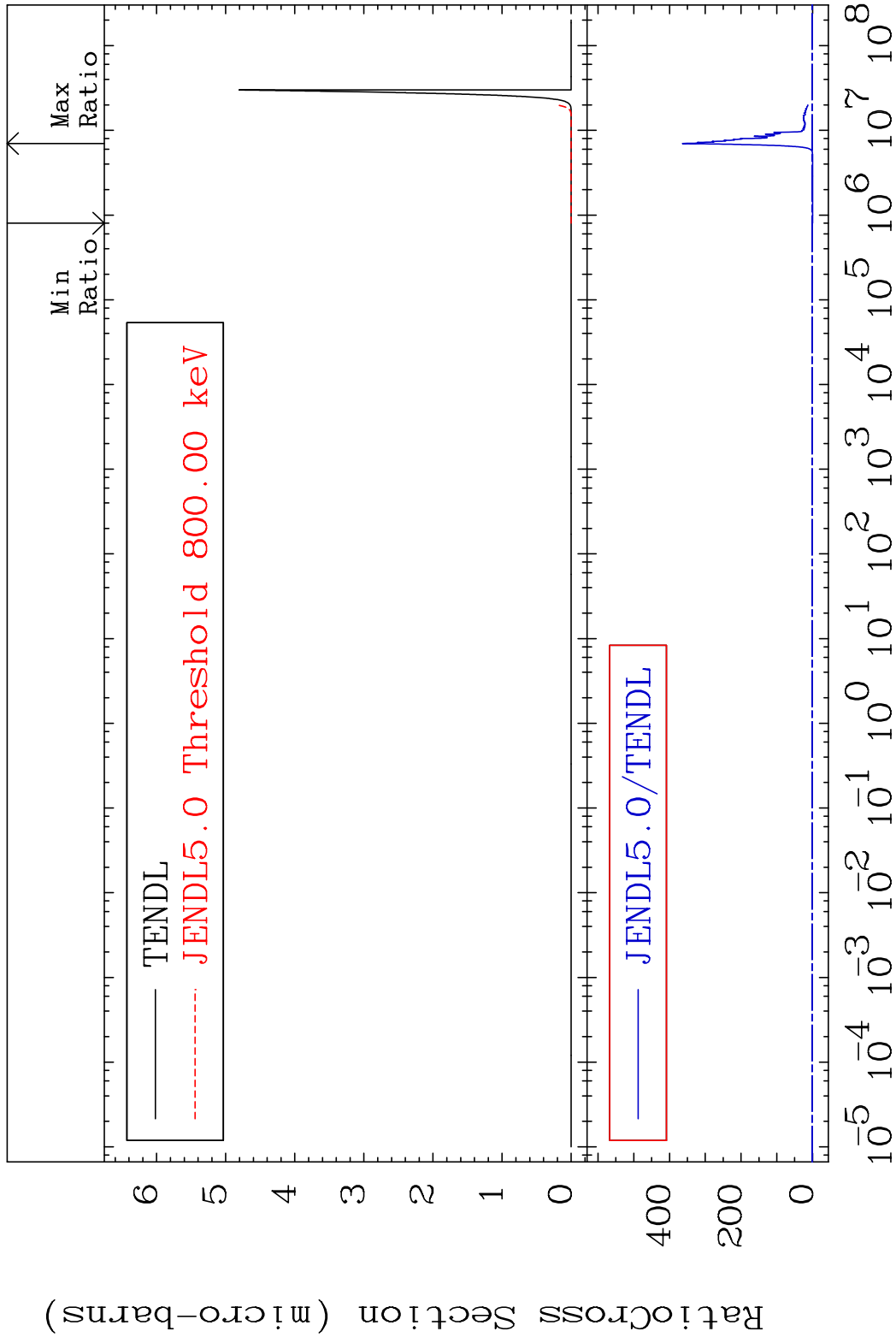


MAT 5825

(n, 2α)

58-Ce-136

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

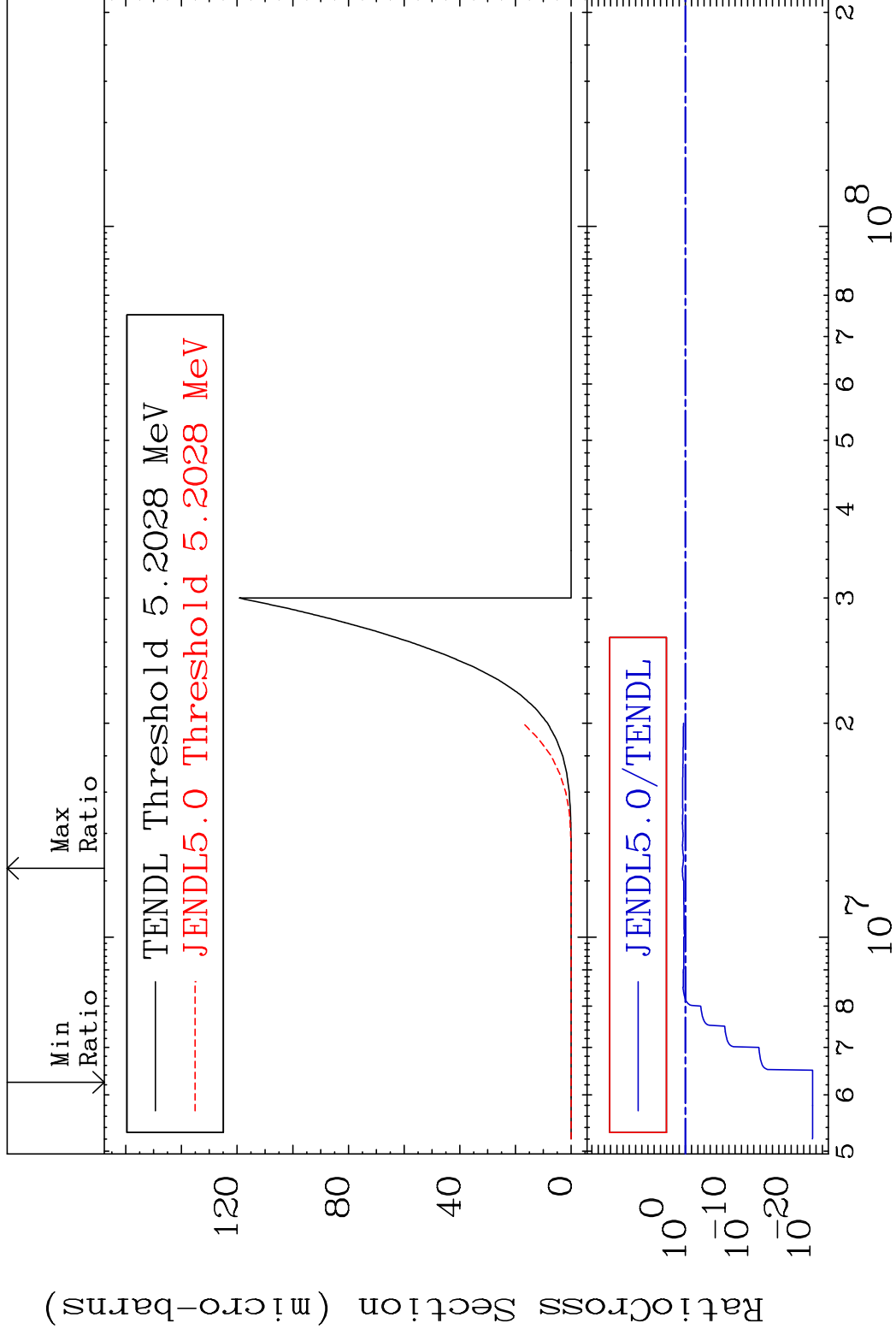
58-Ce-136

MAT 5825

(n,2p)

58-Ce-136

Cross Section -100.0 To 203.3 %

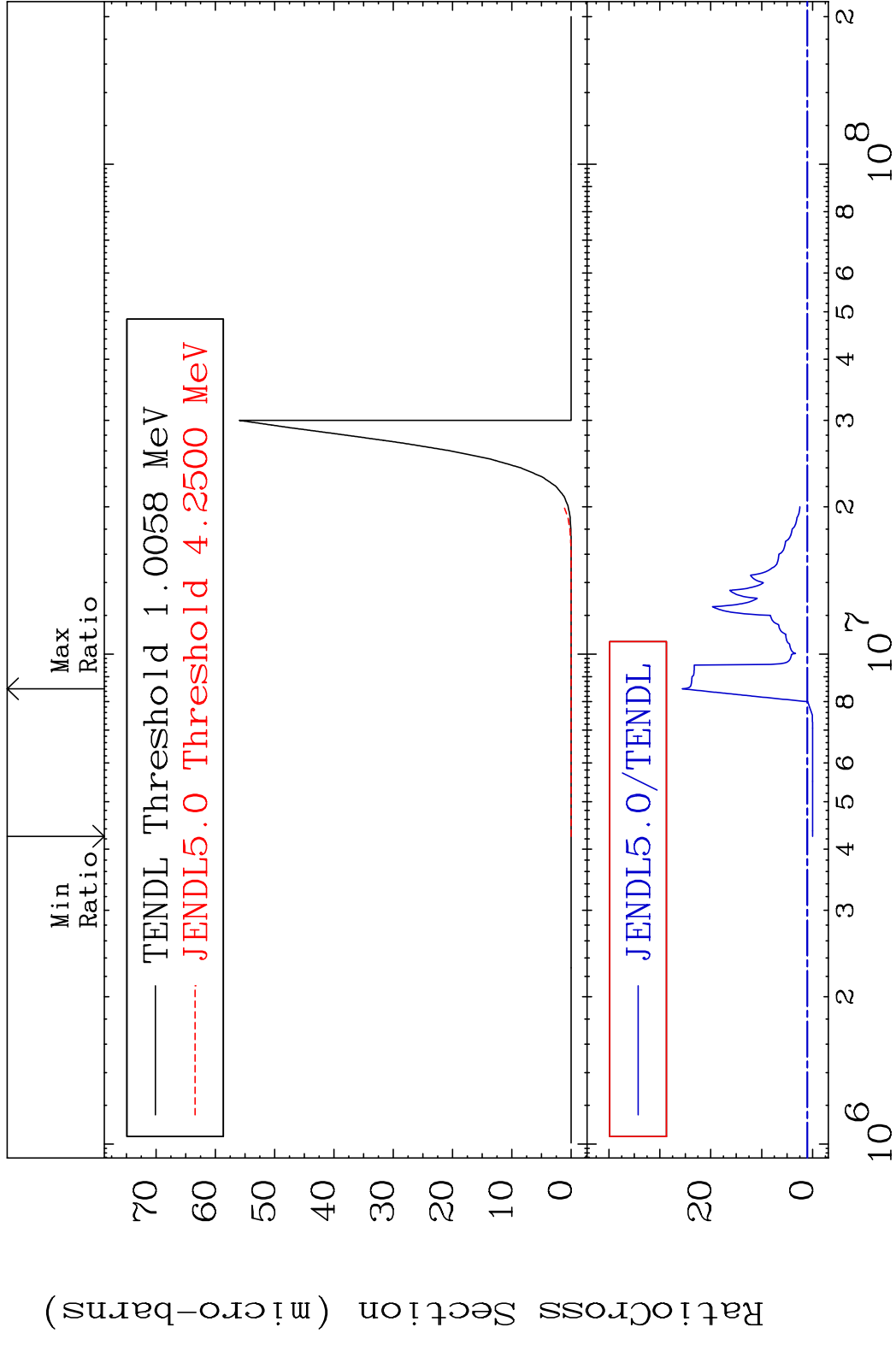


39

Incident Energy (eV)

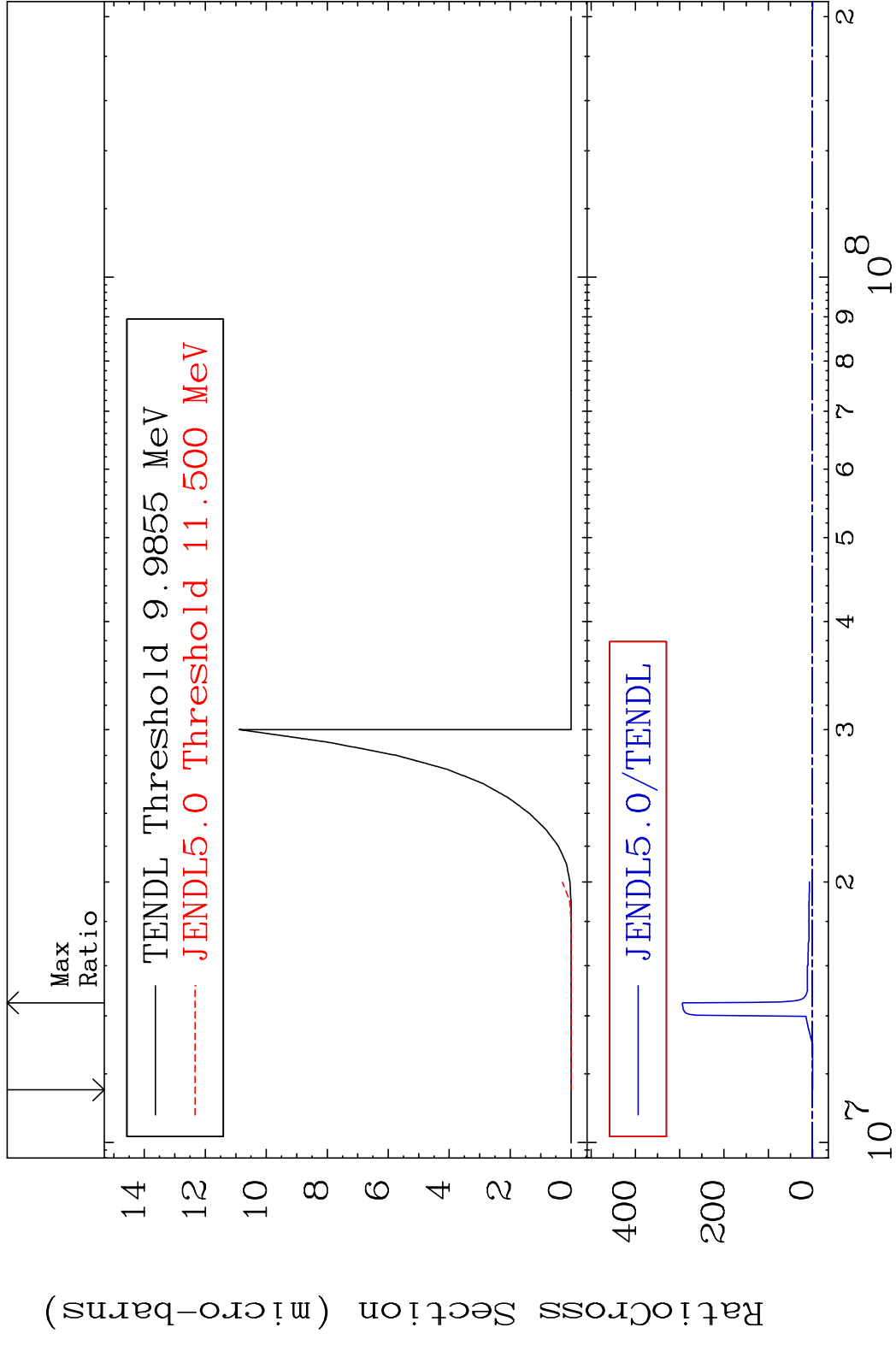
58-Ce-136

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



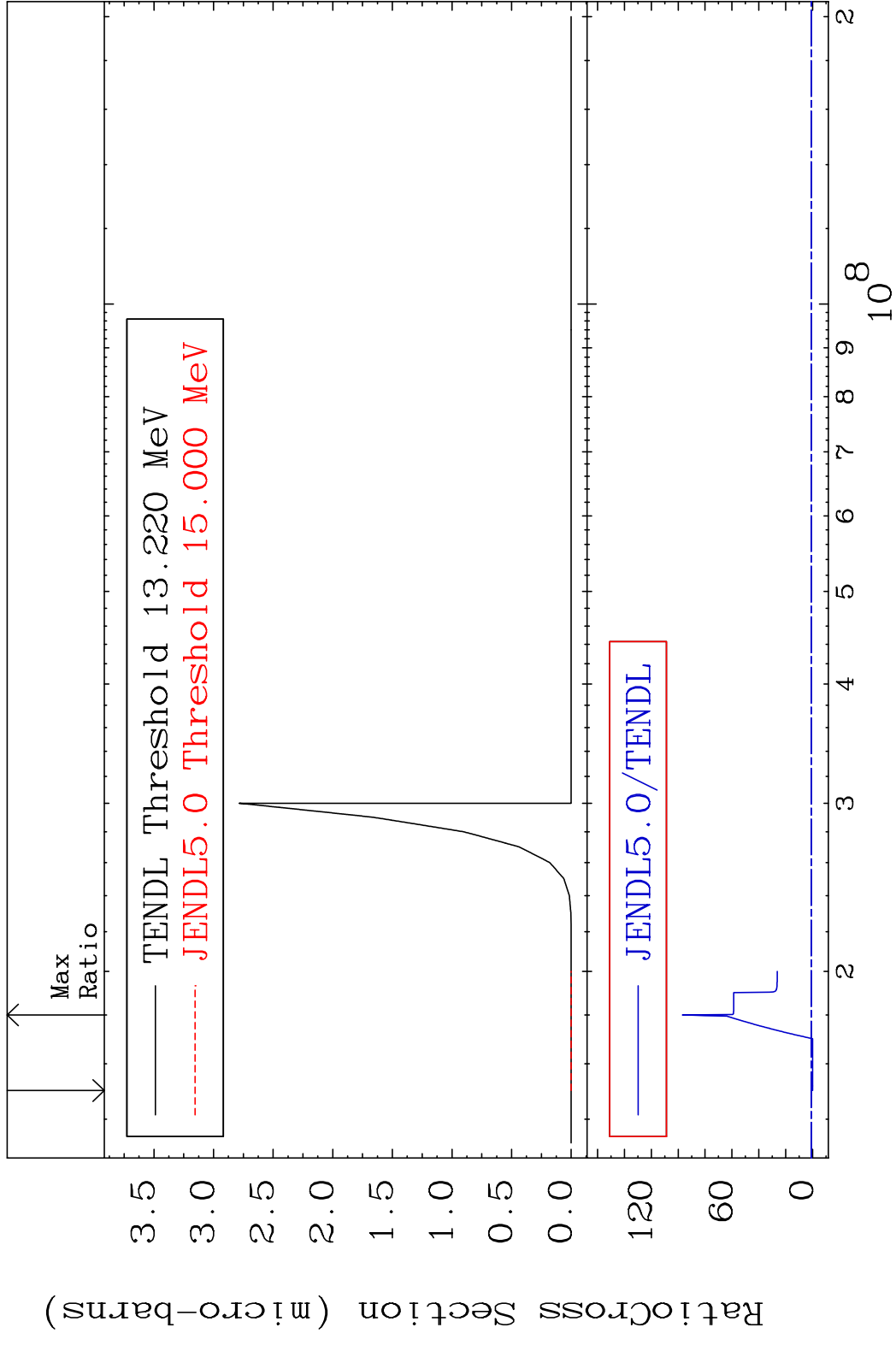
40 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 2 58-Ce-136

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



41 Incident Energy (eV) 58-Ce-136

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



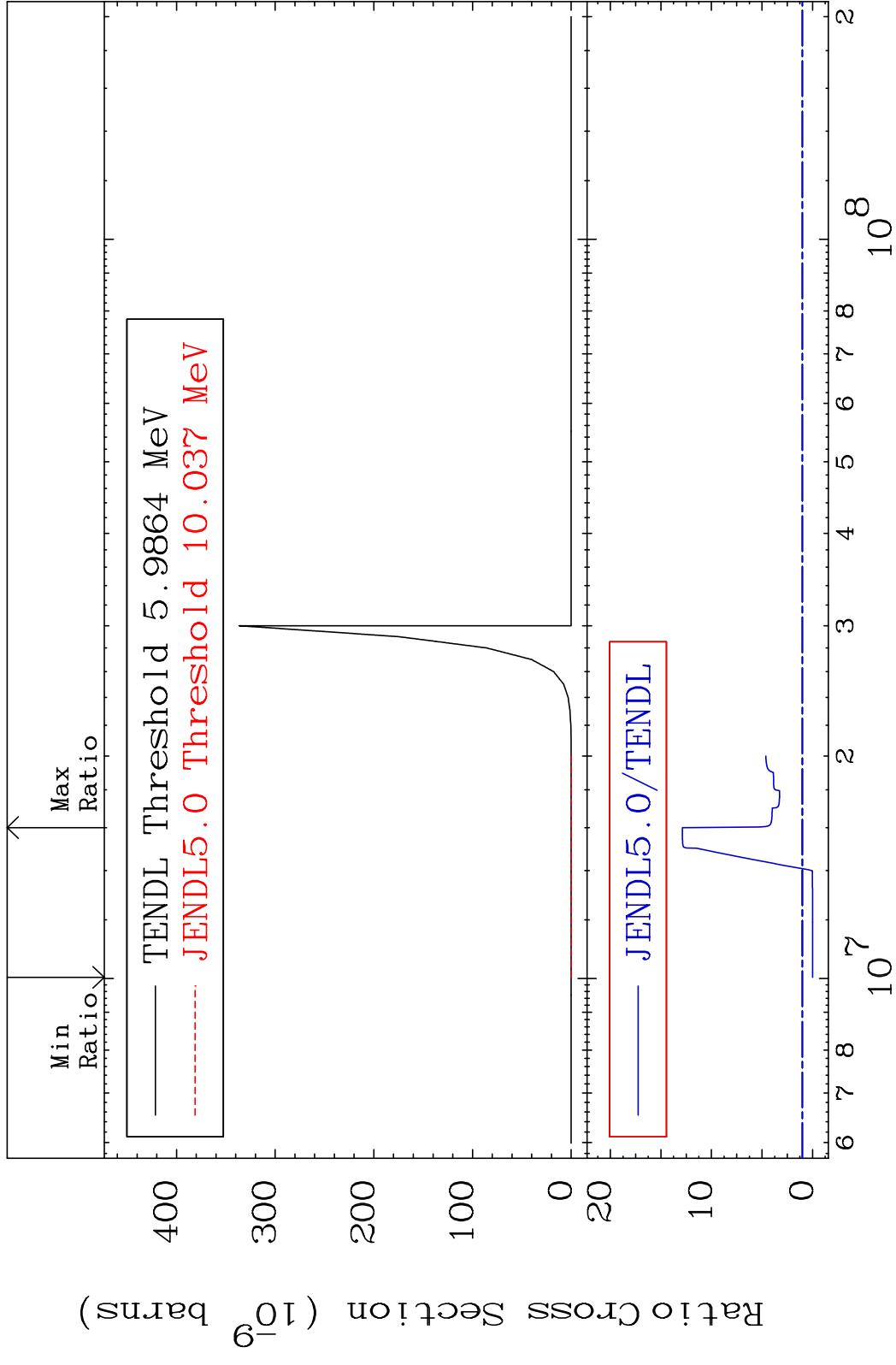
42 Incident Energy (eV) 58-Ce-136

MAT 5825

(n,d) α

58-Ce-136

Cross Section -100.0 To 1188. %



43

Incident Energy (eV)

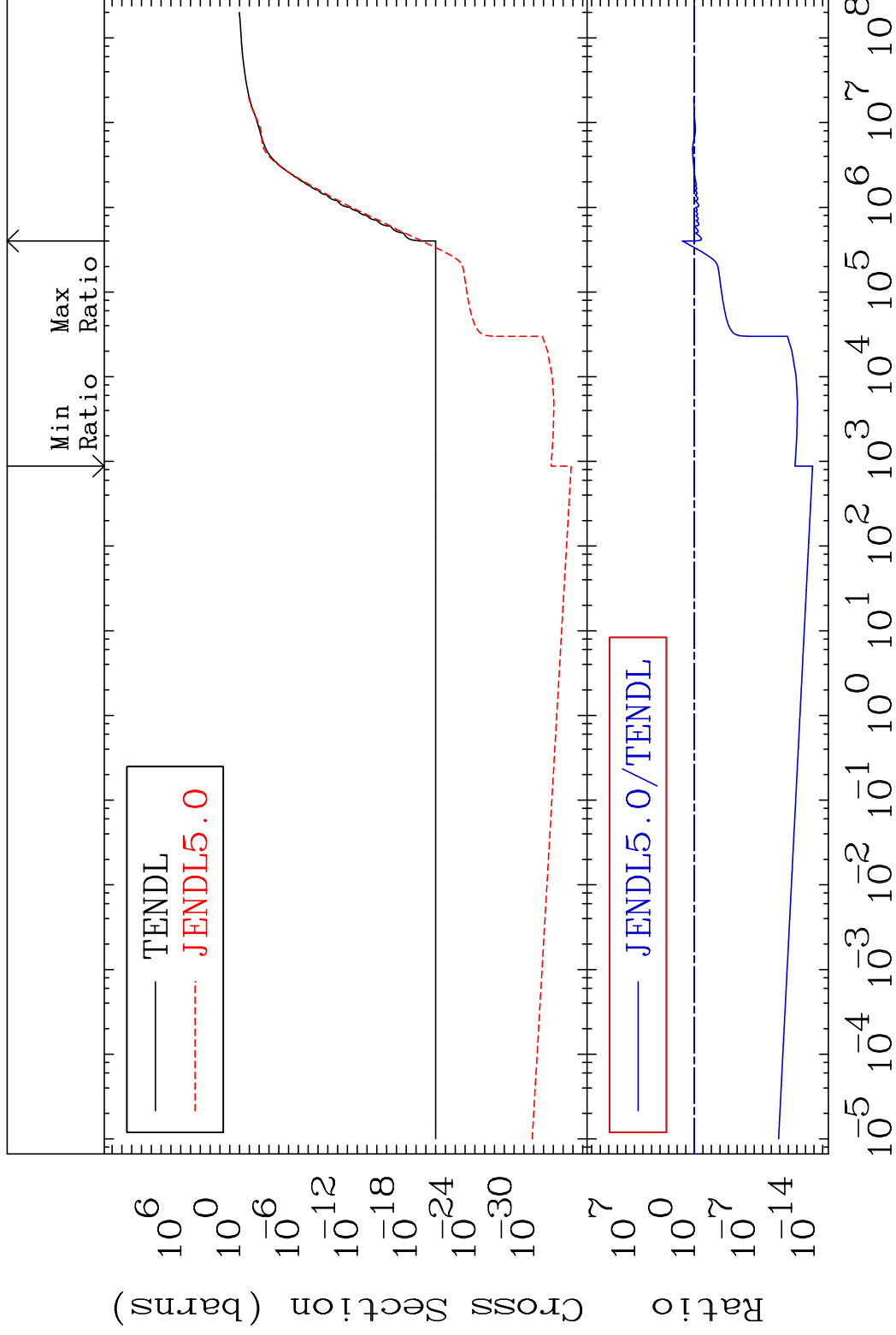
58-Ce-136

MAT 5825

Hydrogen Production

58-Ce-136

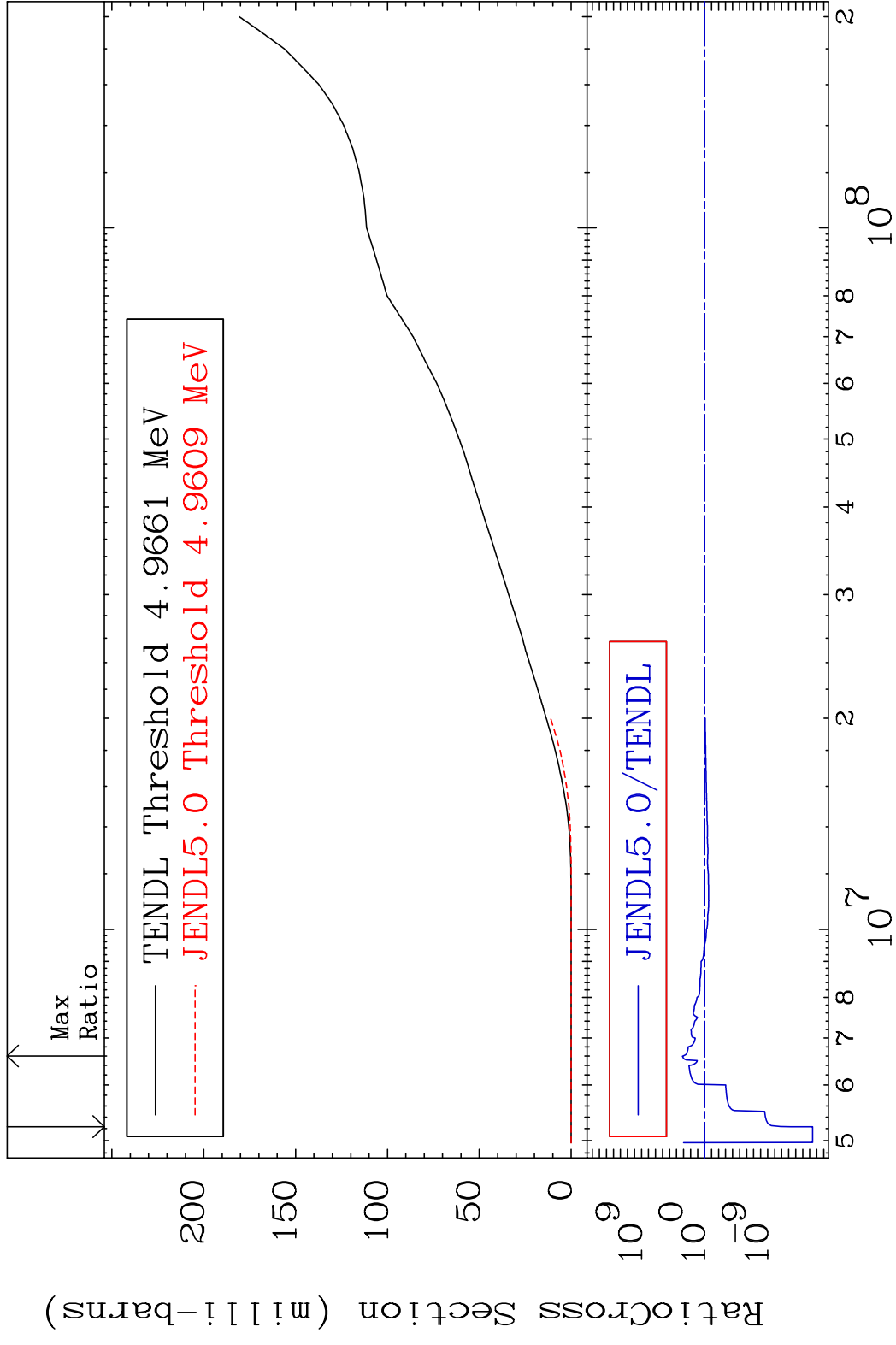
Cross Section -100.0 To 2378. %



MAT 5825

Deuterium Production 58-Ce-136

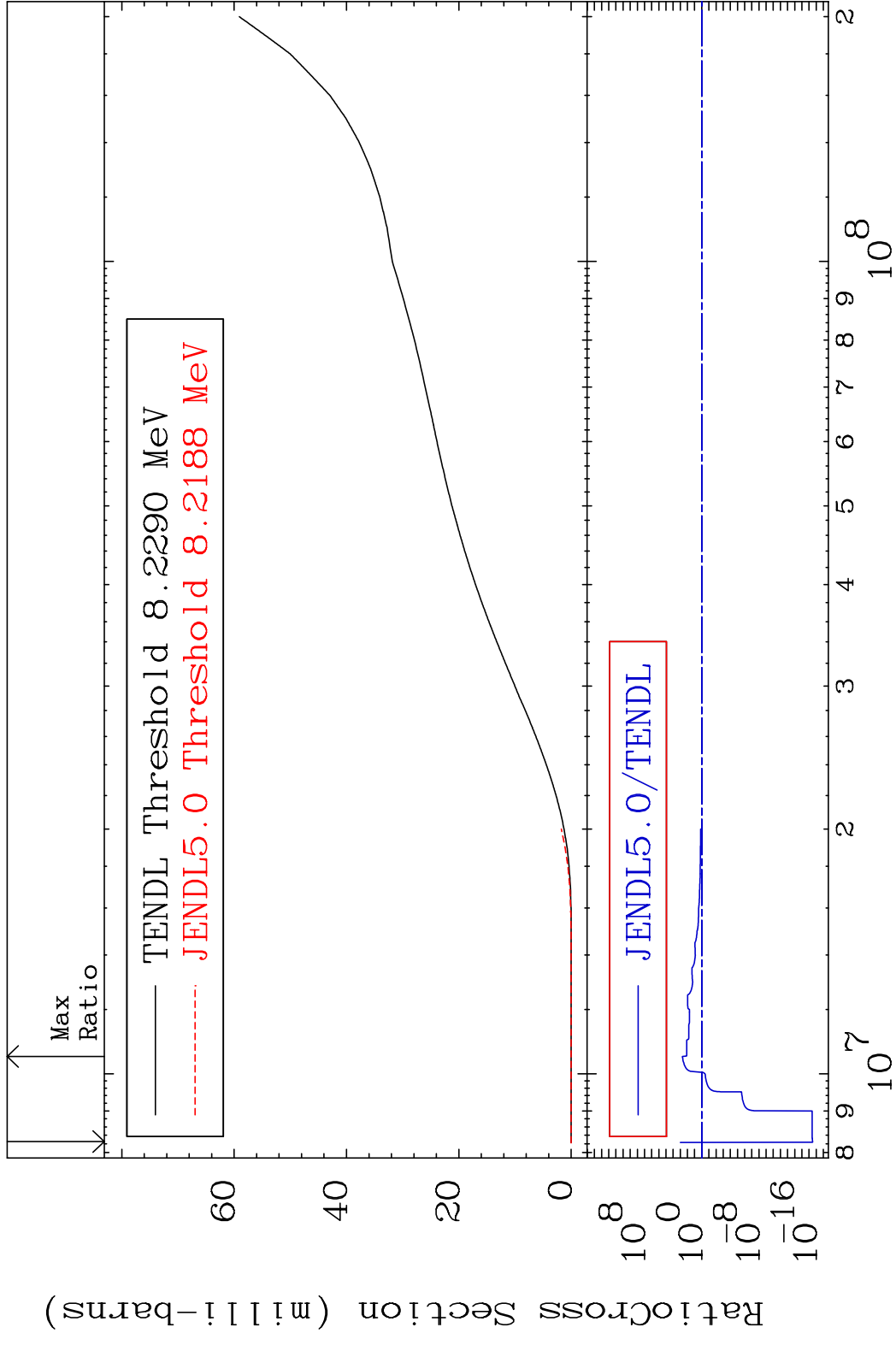
Cross Section -100.0 To 9999. %



MAT 5825

Tritium Production 58-Ce-136

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

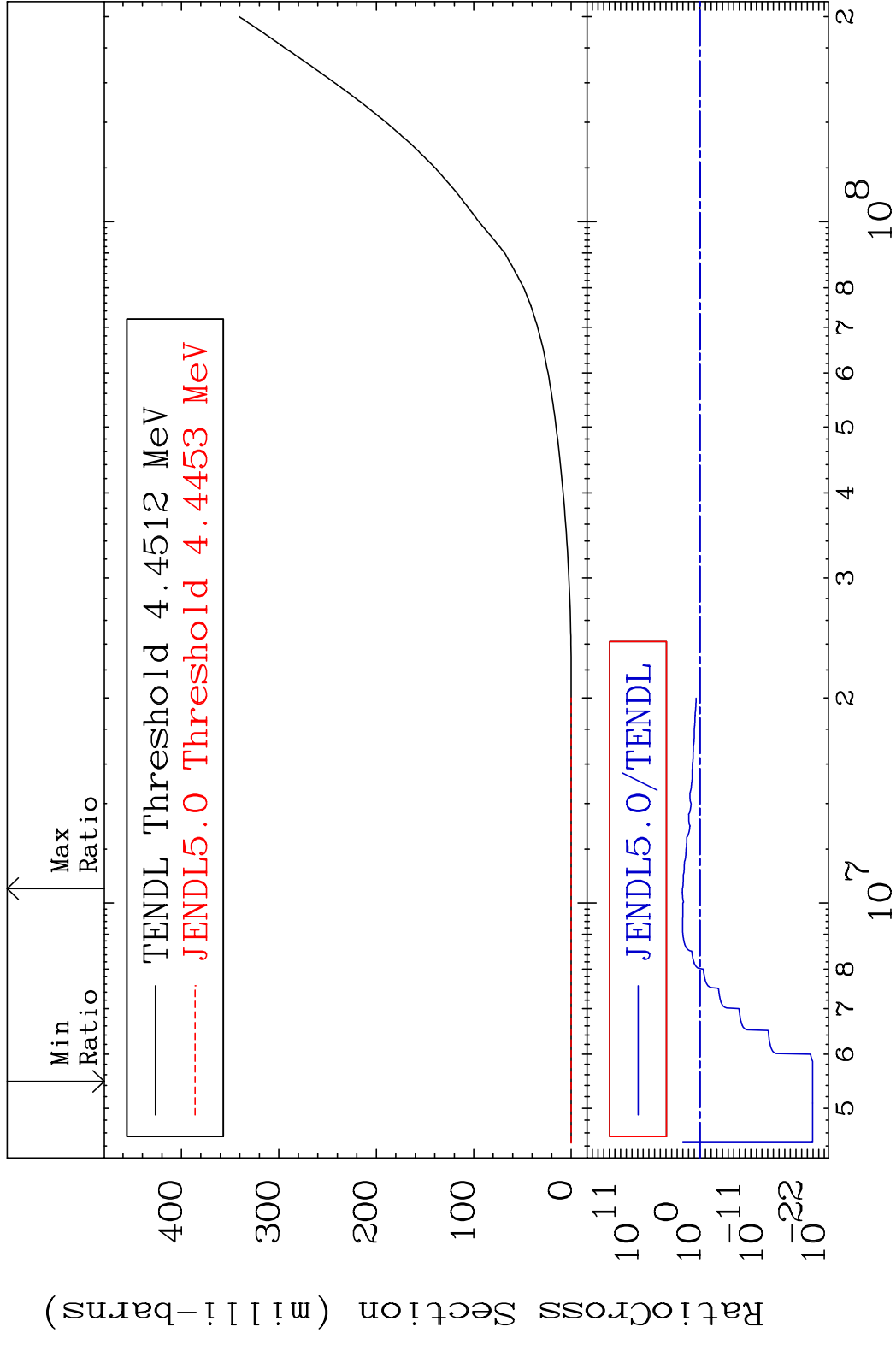
58-Ce-136

MAT 5825

He-3 Production

58-Ce-136

Cross Section -100.0 To 9999. %

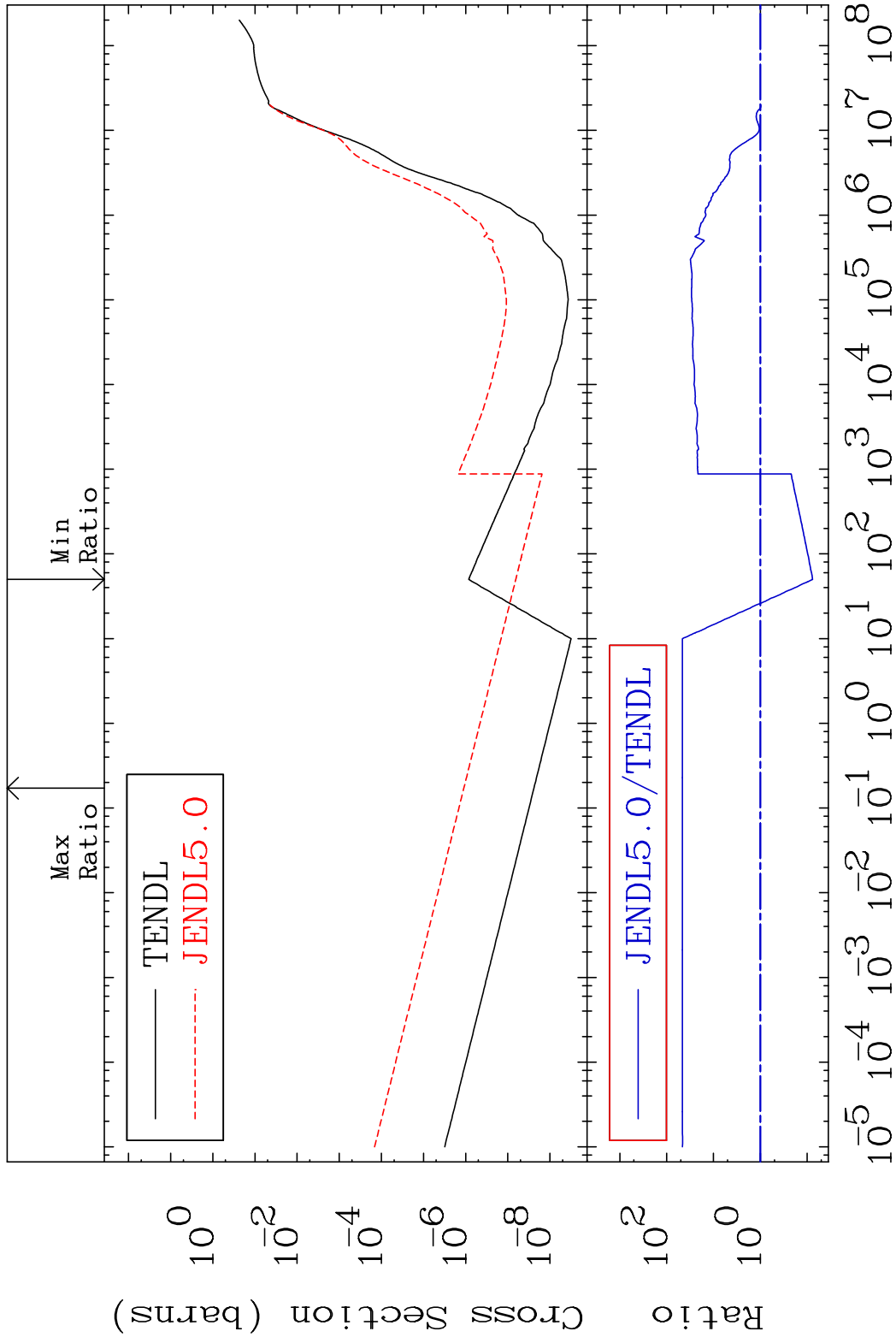


MAT 5825

He-4 Production

58-Ce-136

Cross Section -92.31 To 4525. %

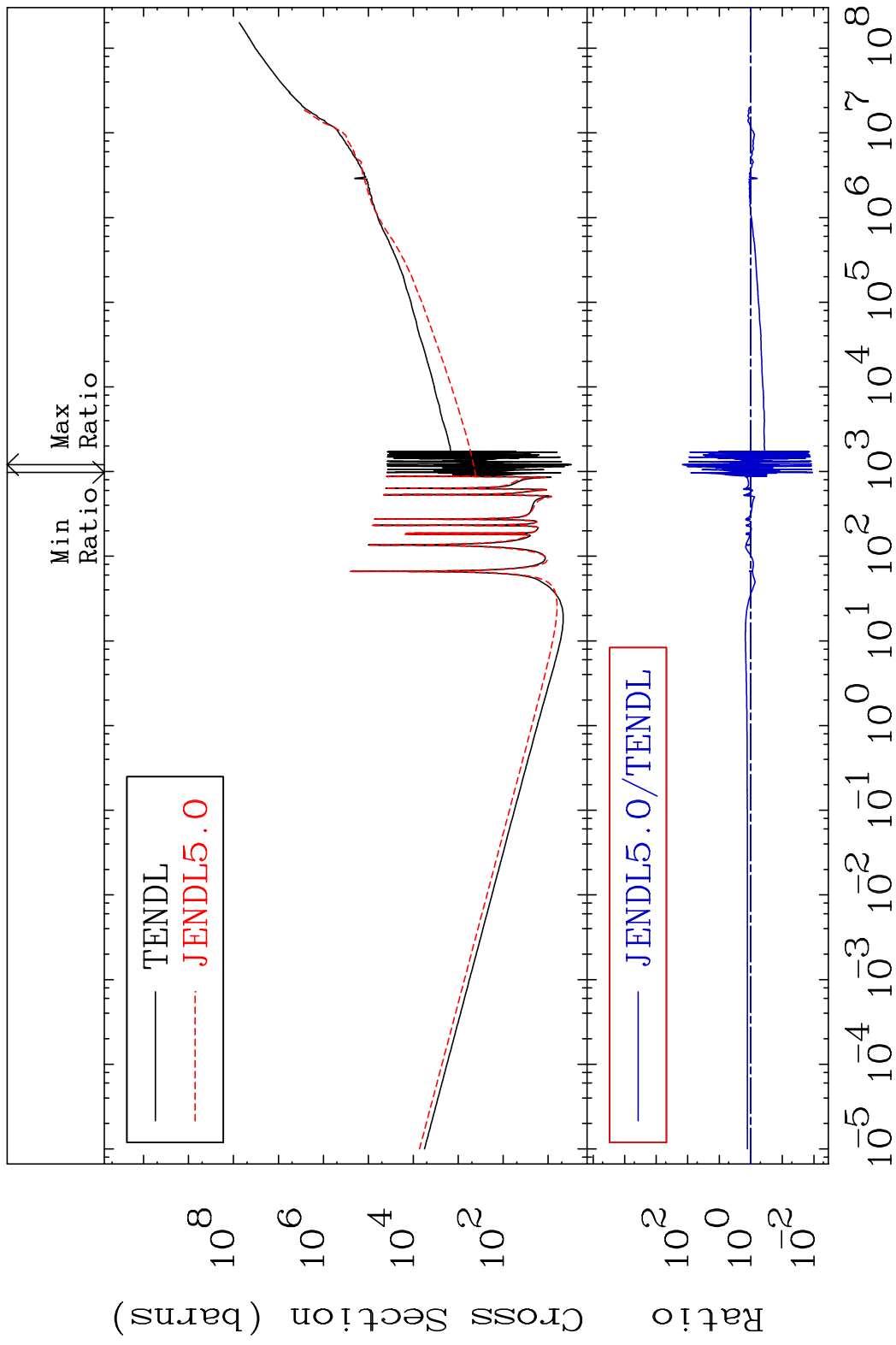


48

Incident Energy (eV)

58-Ce-136

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



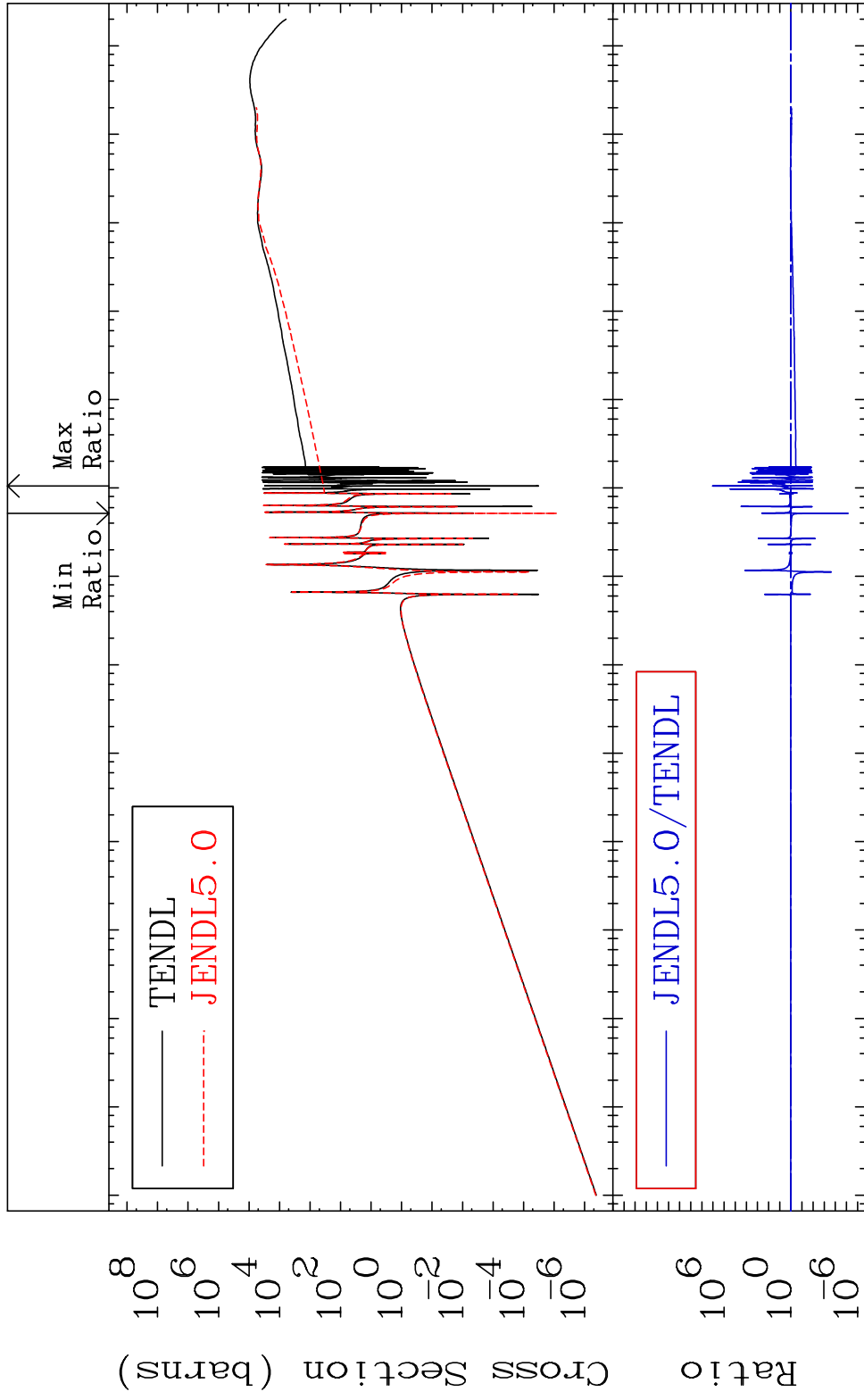
49 Incident Energy (eV) 58-Ce-136

MAT 5825

Kerma elastic

58-Ce-136

Cross Section -100.0 To 9999. %

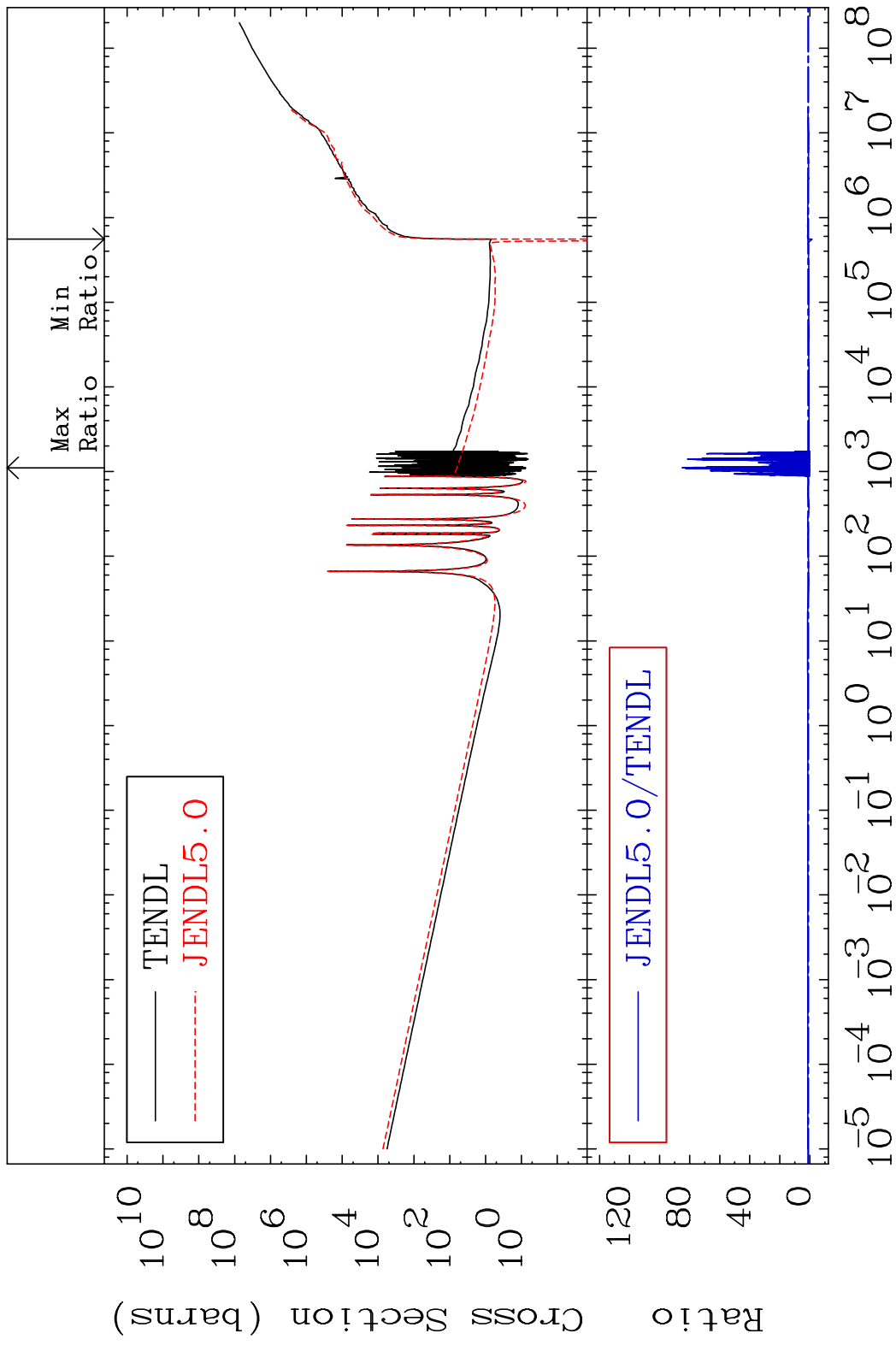


50

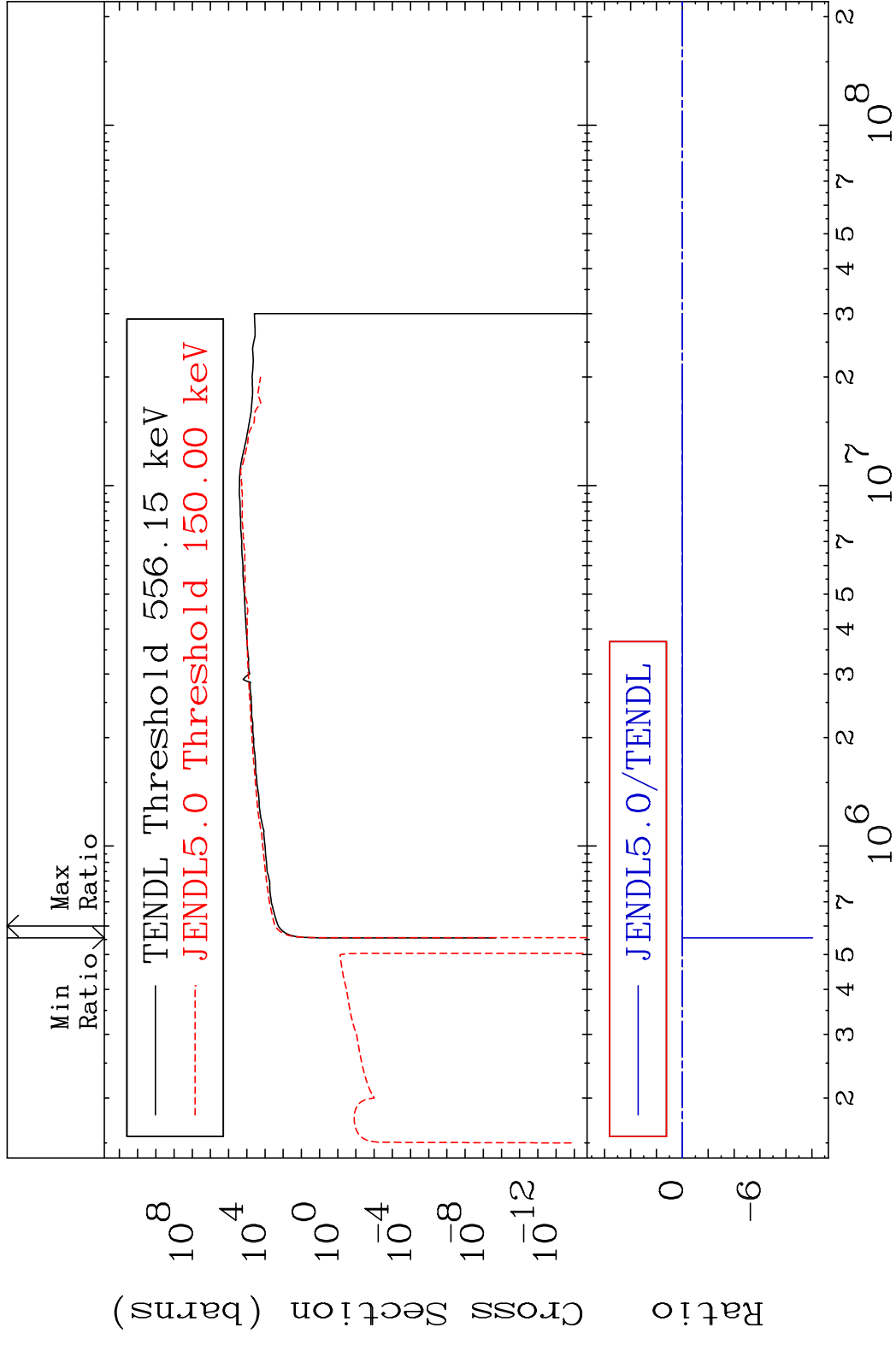
Incident Energy (eV)

58-Ce-136

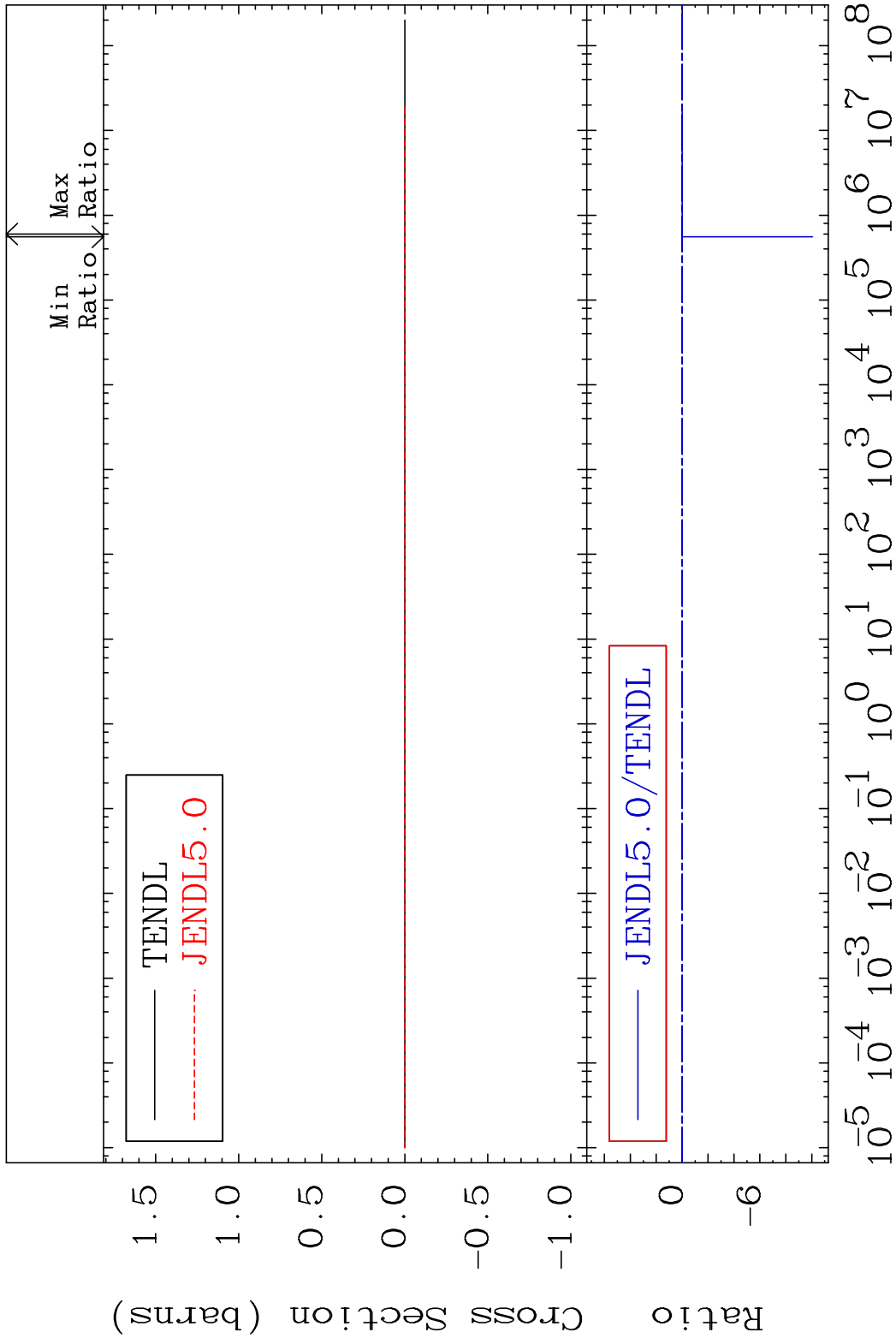
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -281.7 To 8385. %



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

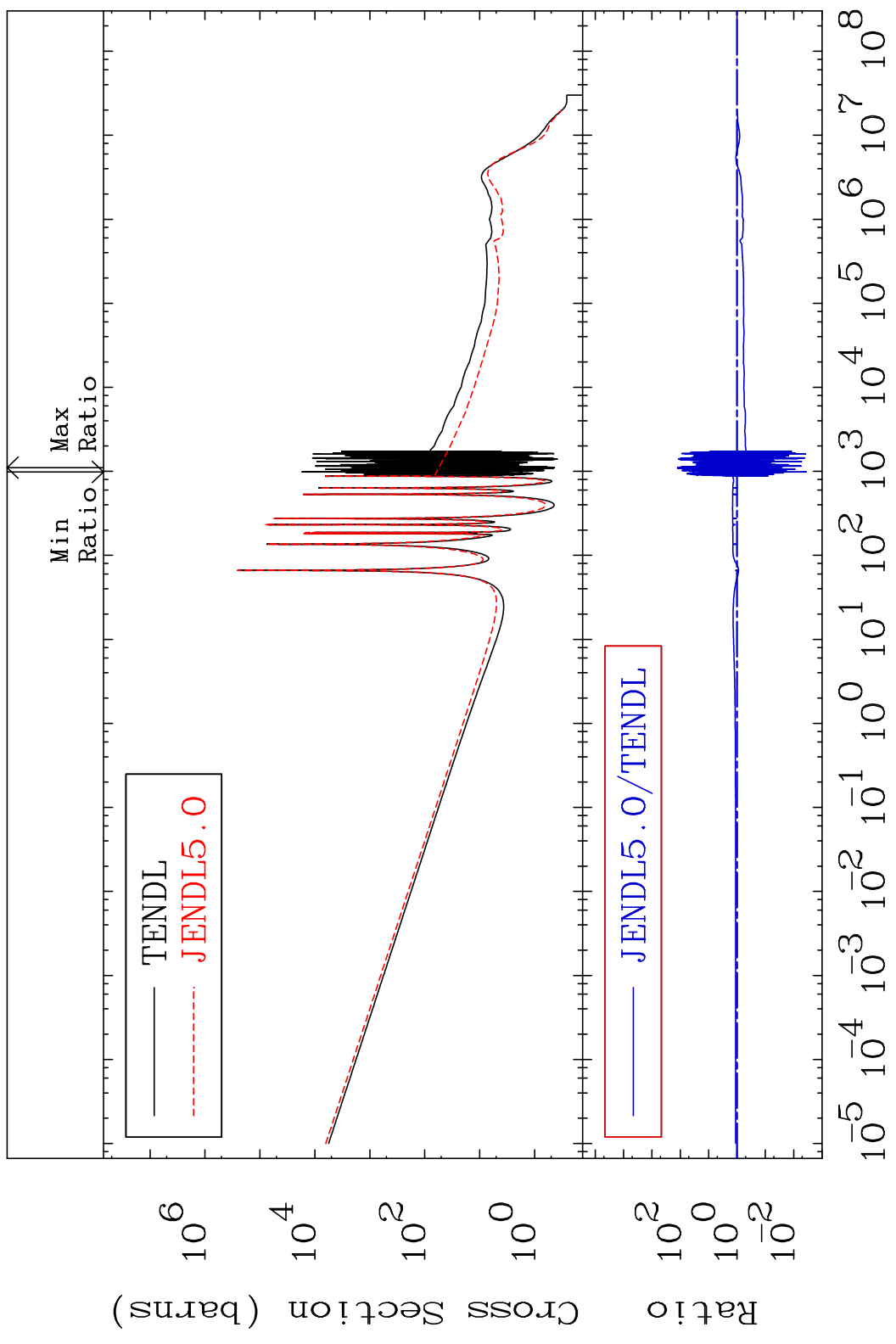


MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
 Cross Section -9999. To 51.87 %

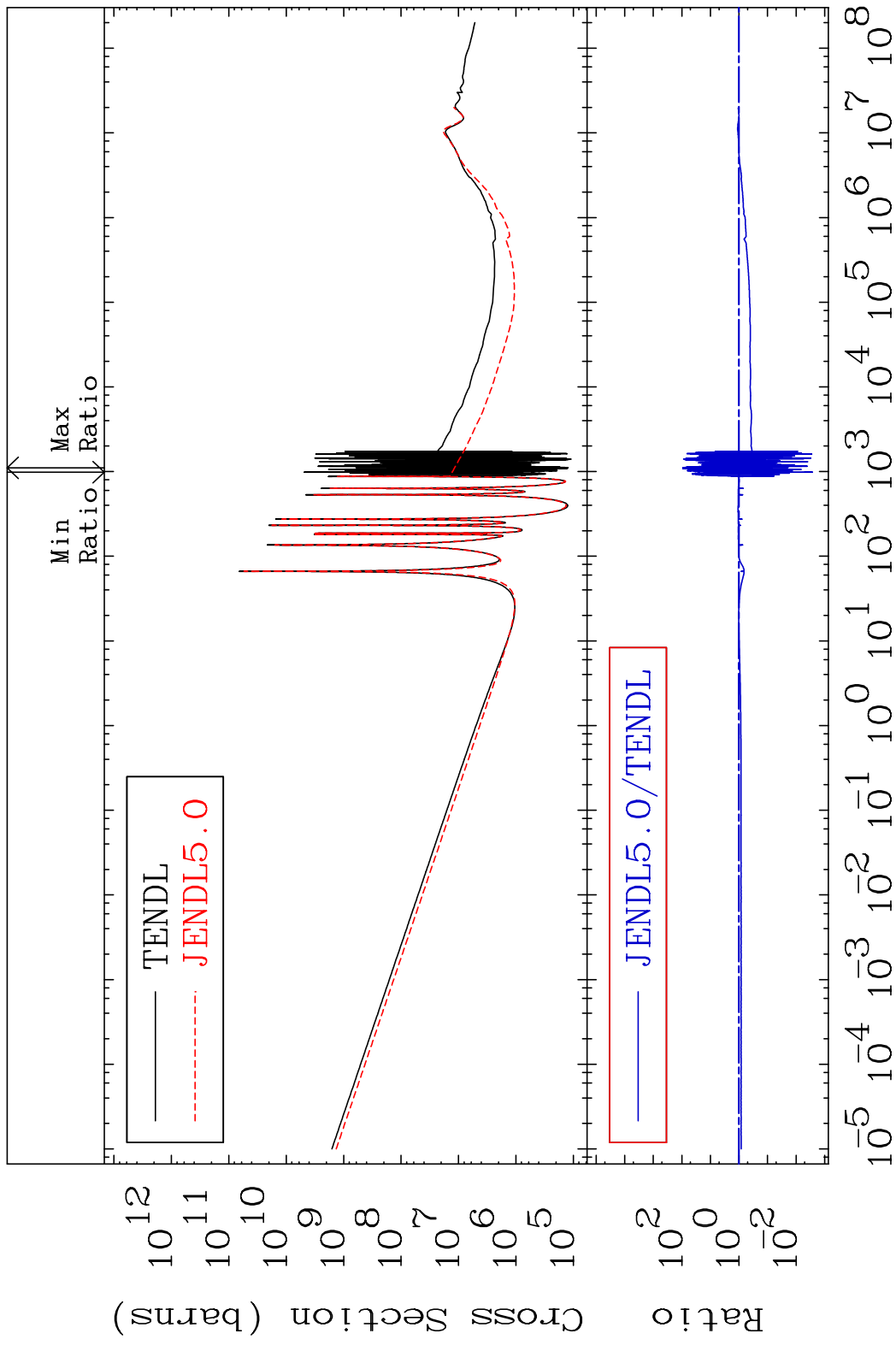


MAT 5825

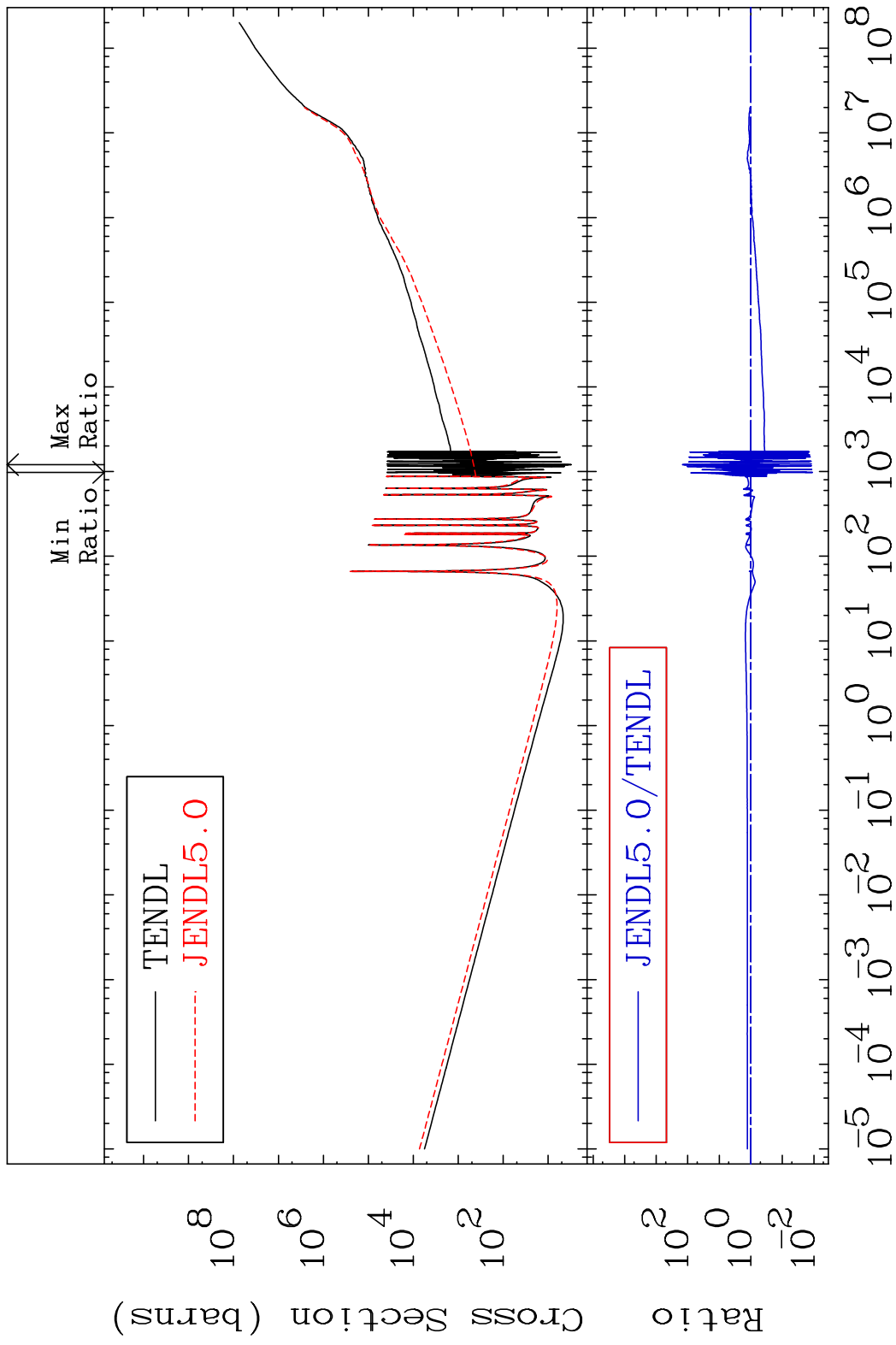
Kerma capture (mt102) 58-Ce-136
Cross Section -99.64 To 9999. %



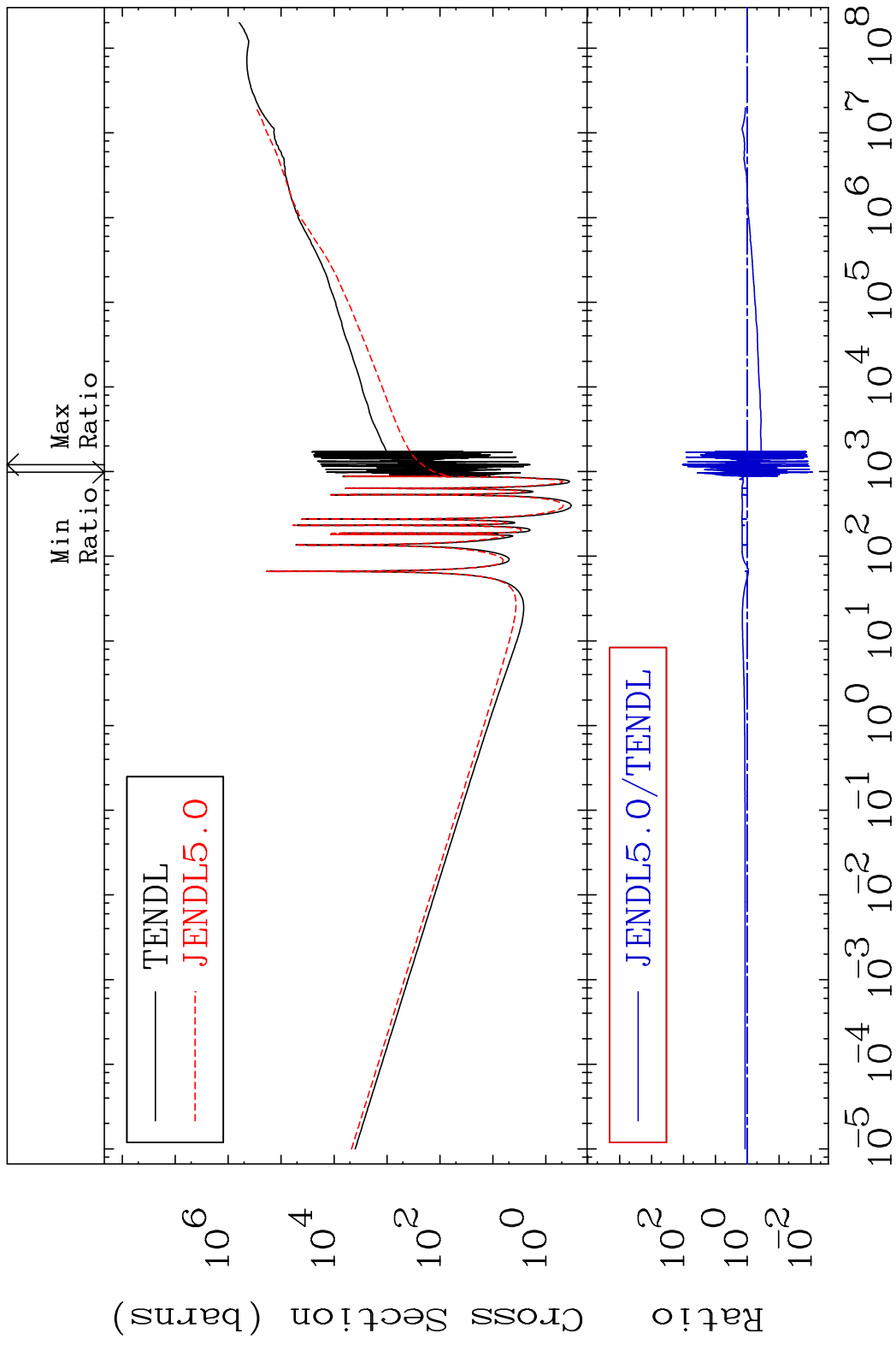
MAT 5825 Total photon (eV-barns) 58-Ce-136
 Cross Section -99.74 To 9489. %



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

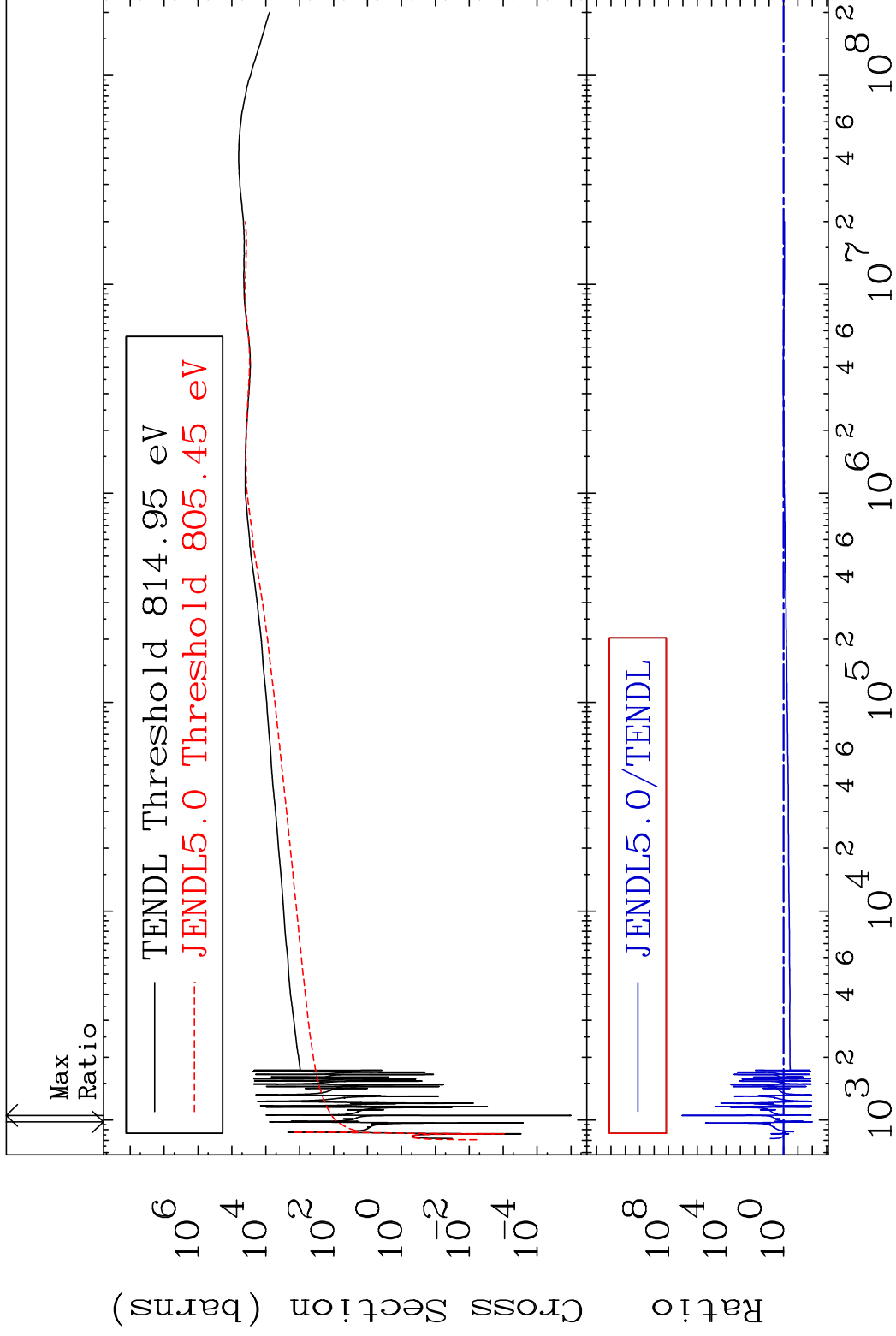
MAT 5825

Dpa elastic (mt2)

58-Ce-136

Cross Section

-99.02 To 9999. %

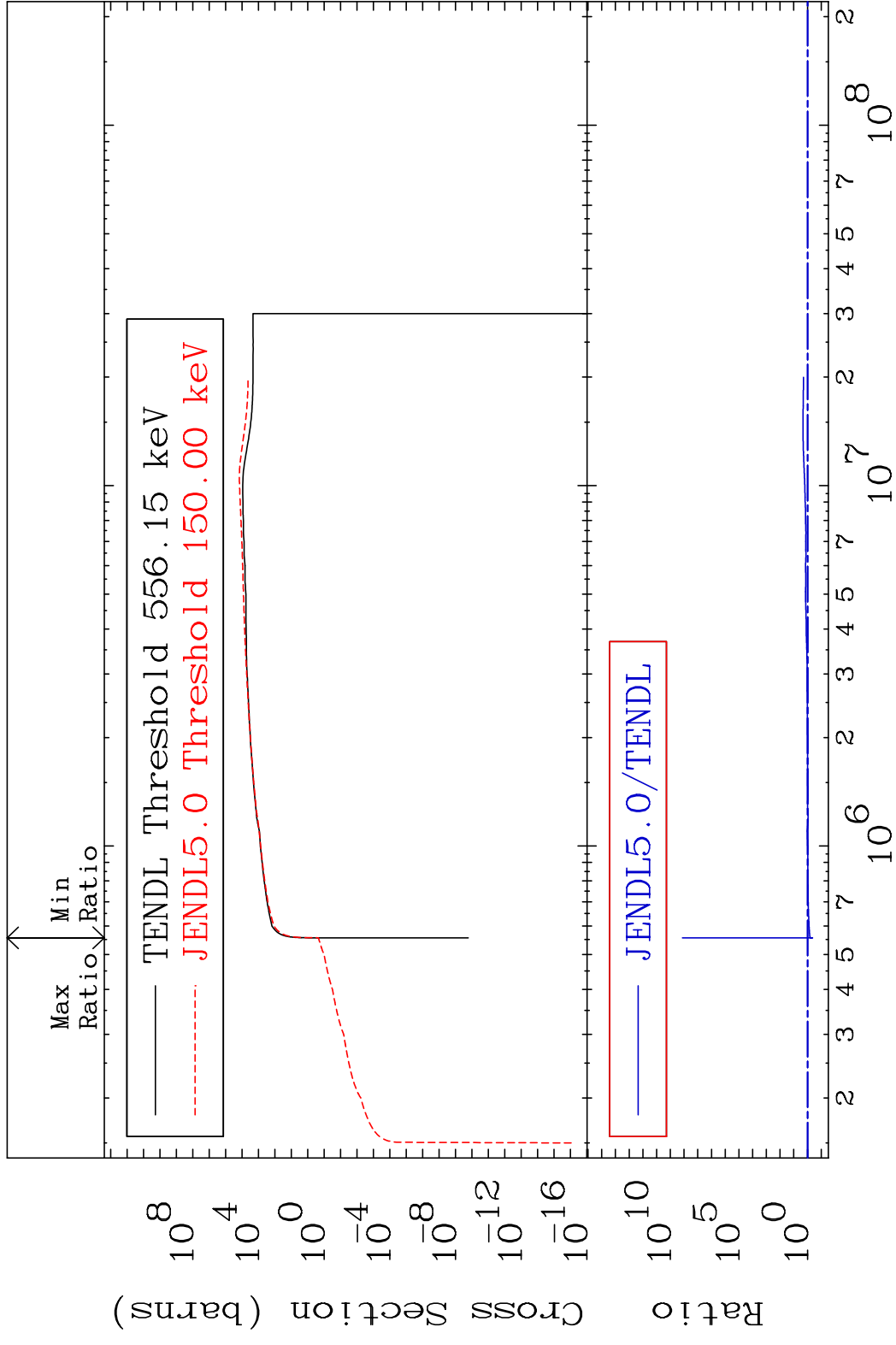


58

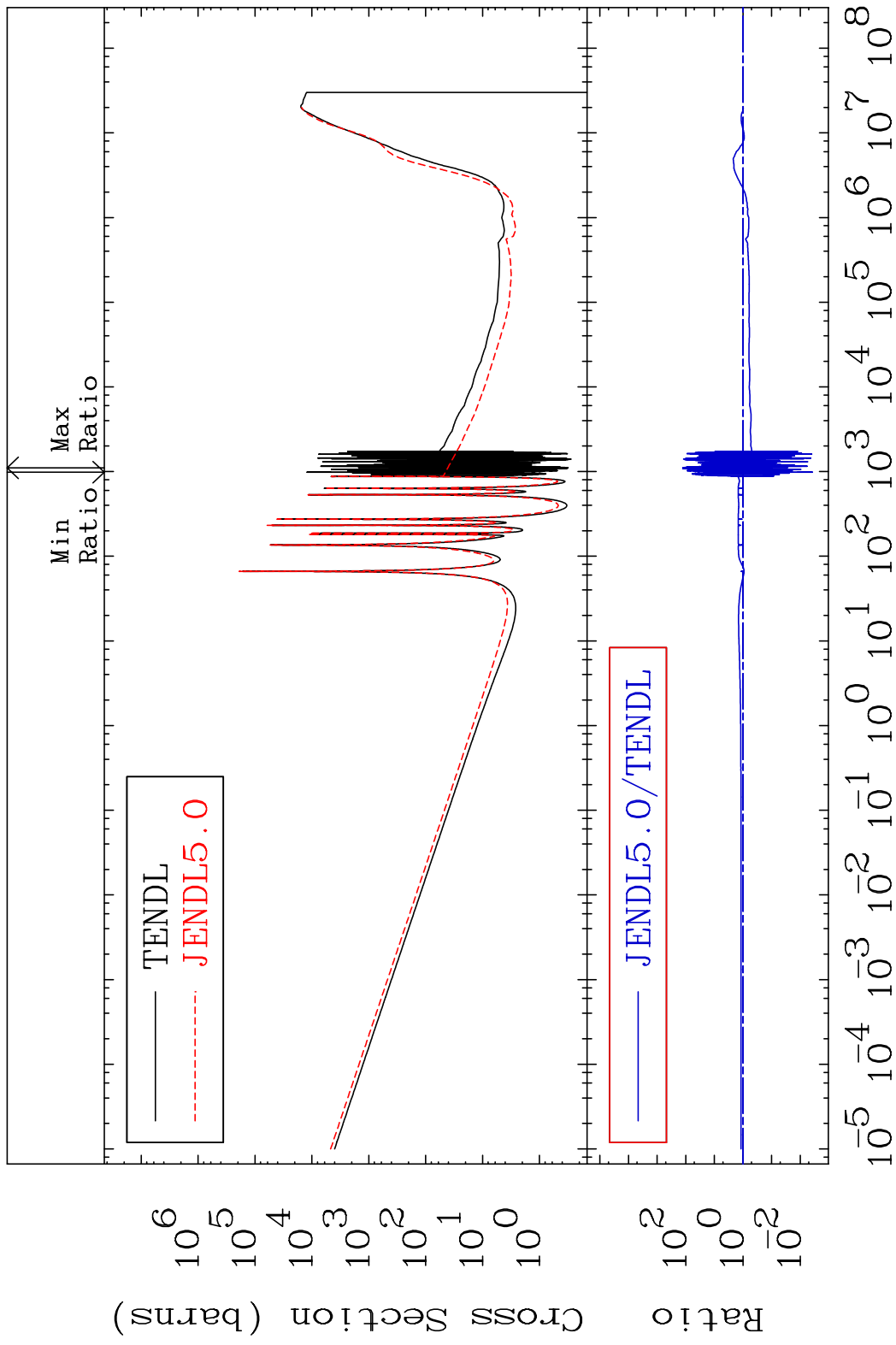
Incident Energy (eV)

58-Ce-136

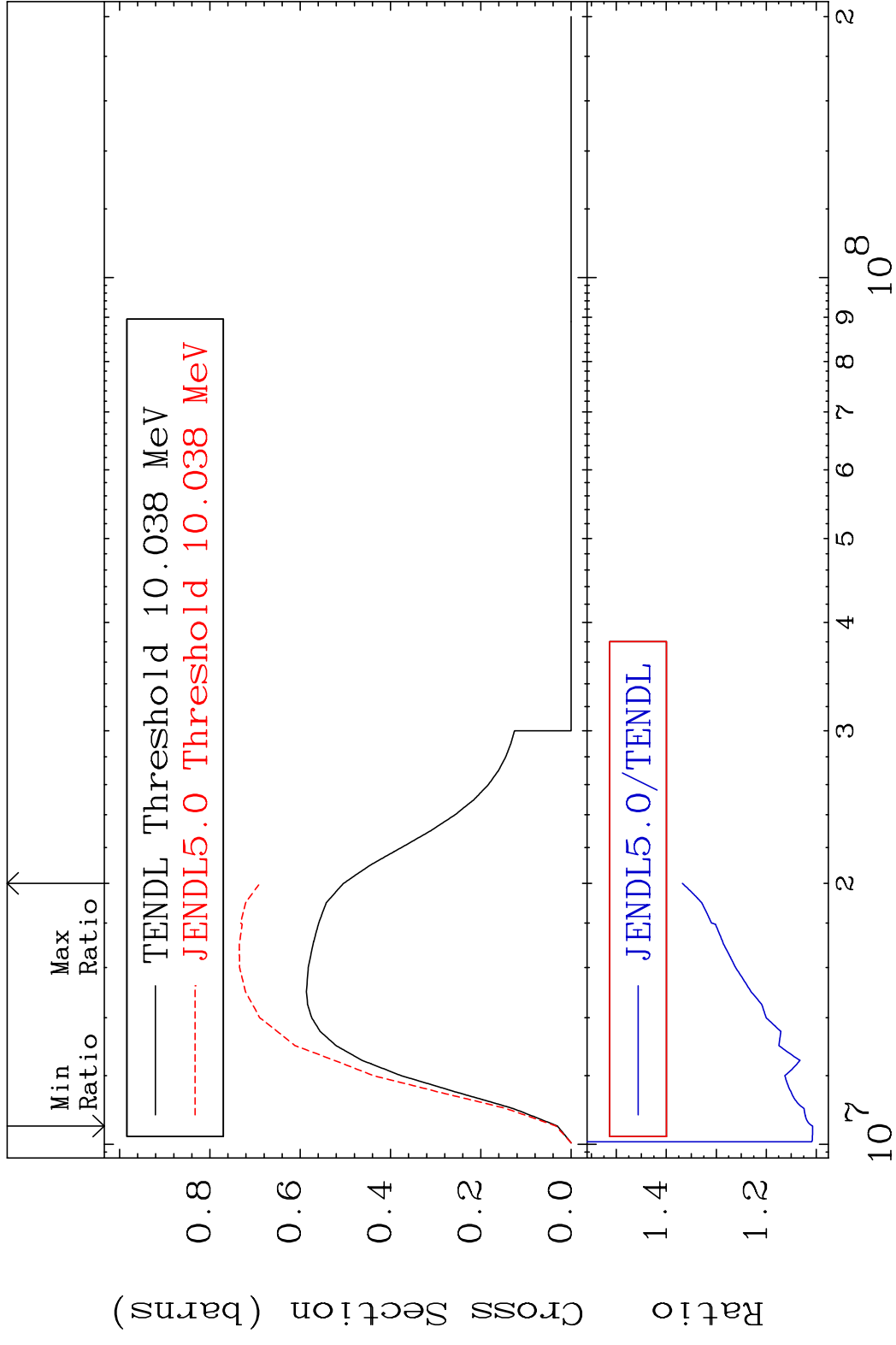
MAT 5825 Dpa inelastic (mt51-91) 58-Ce-136
 Cross Section -57.23 To 9999. %



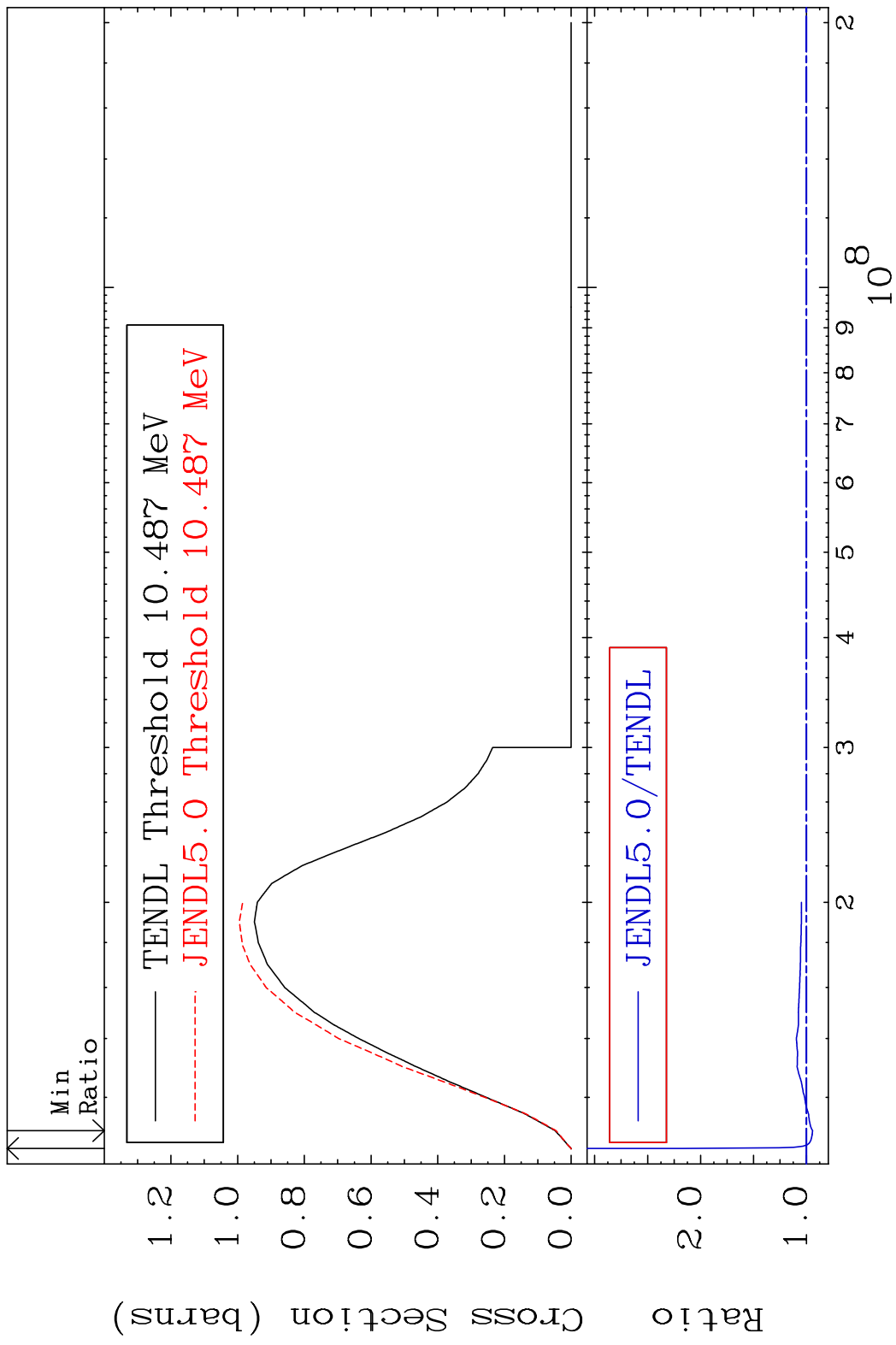
MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
Cross Section -99.63 To 9999. %



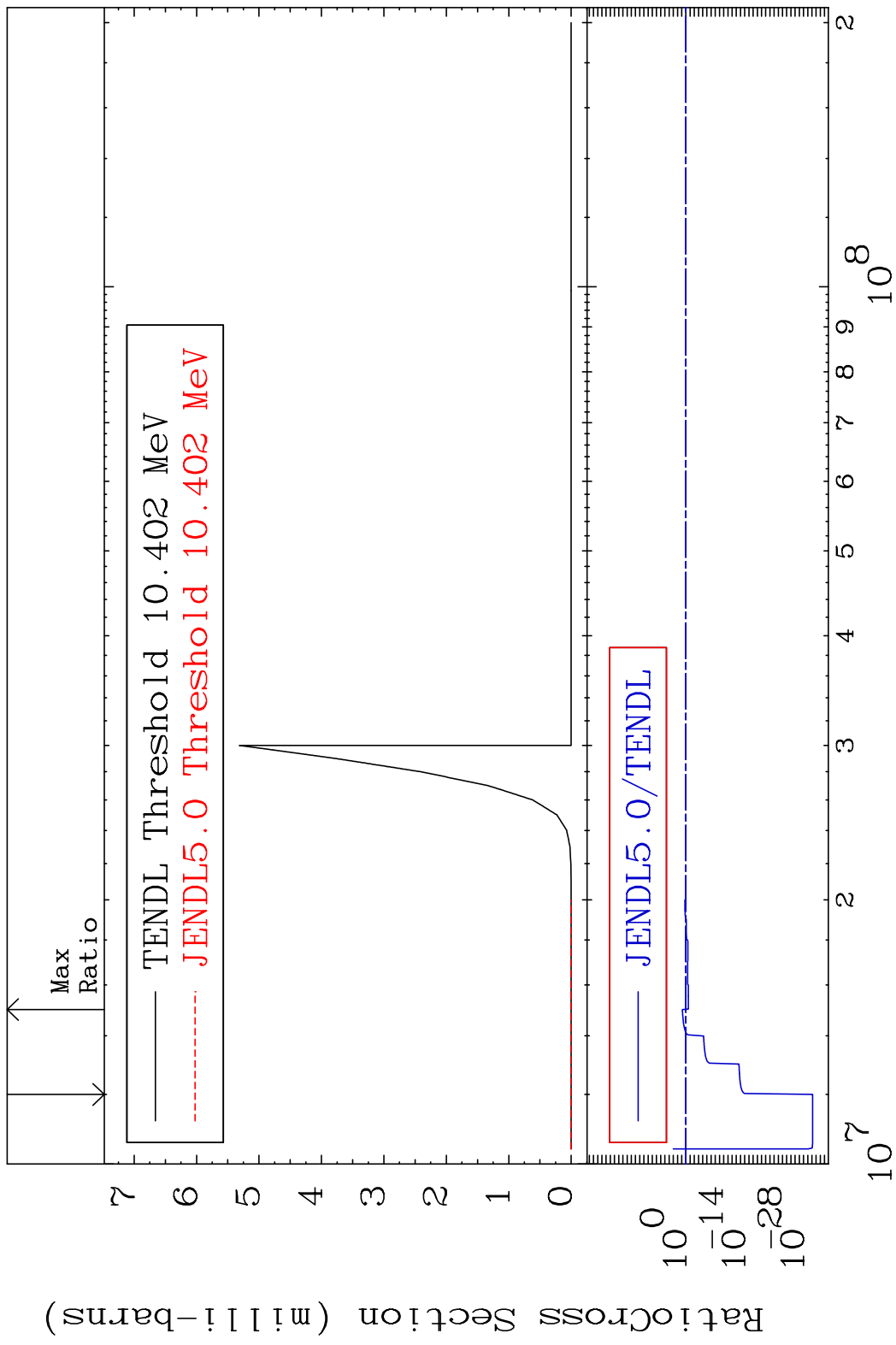
MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 36.79 %



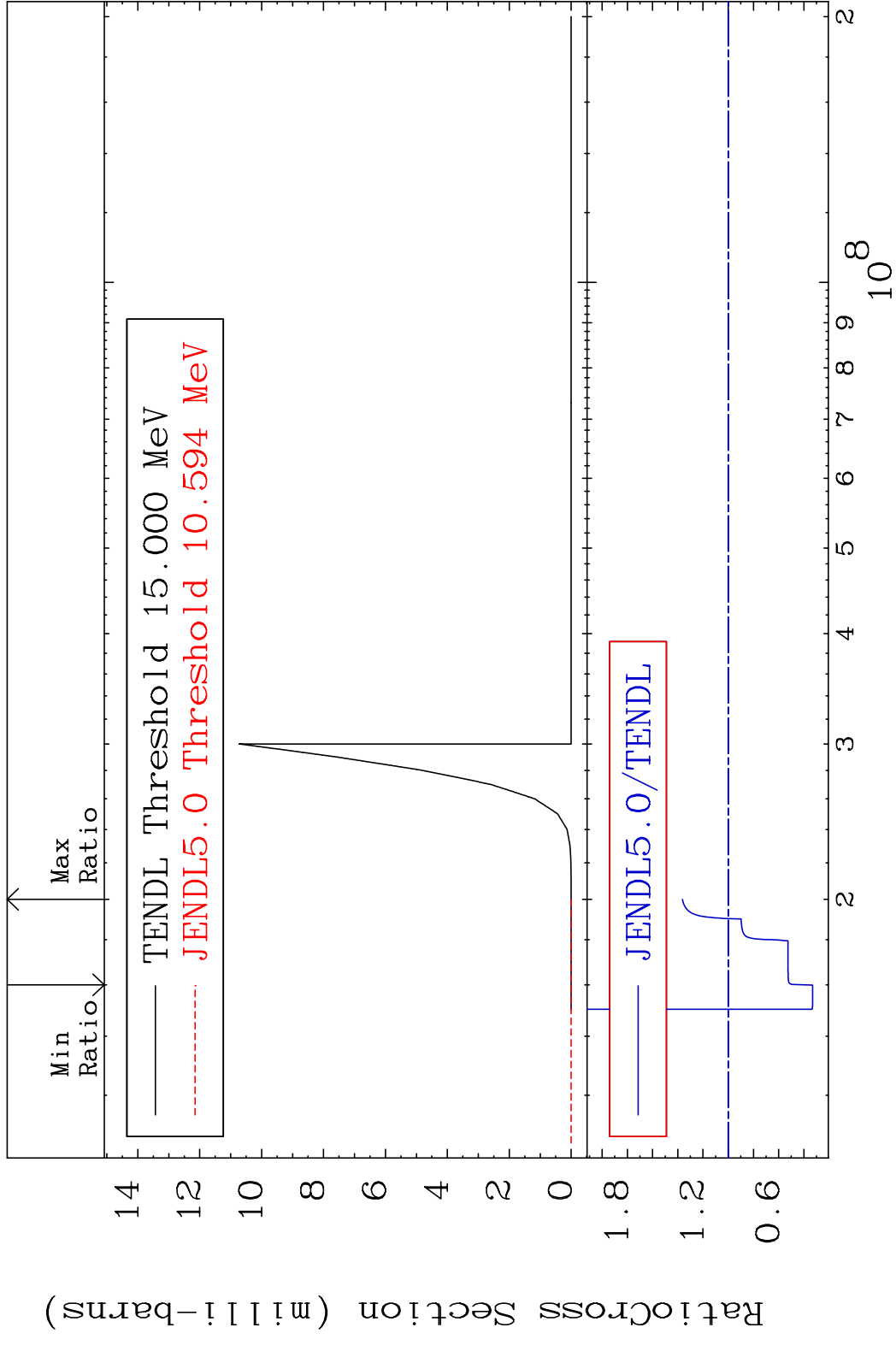
MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 58003.dfo 117.2 %



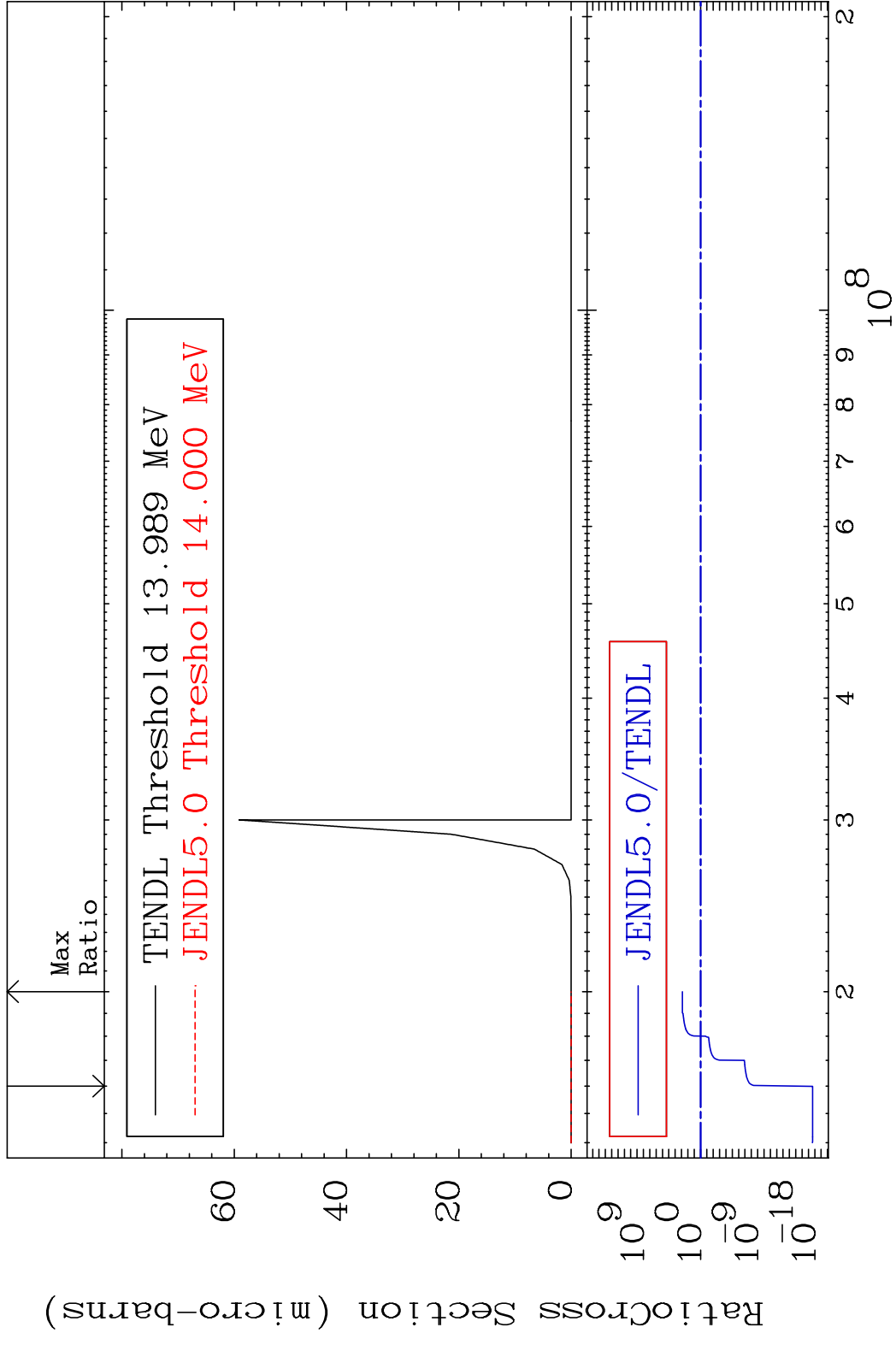
MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section 180.01 dth 597.3 %

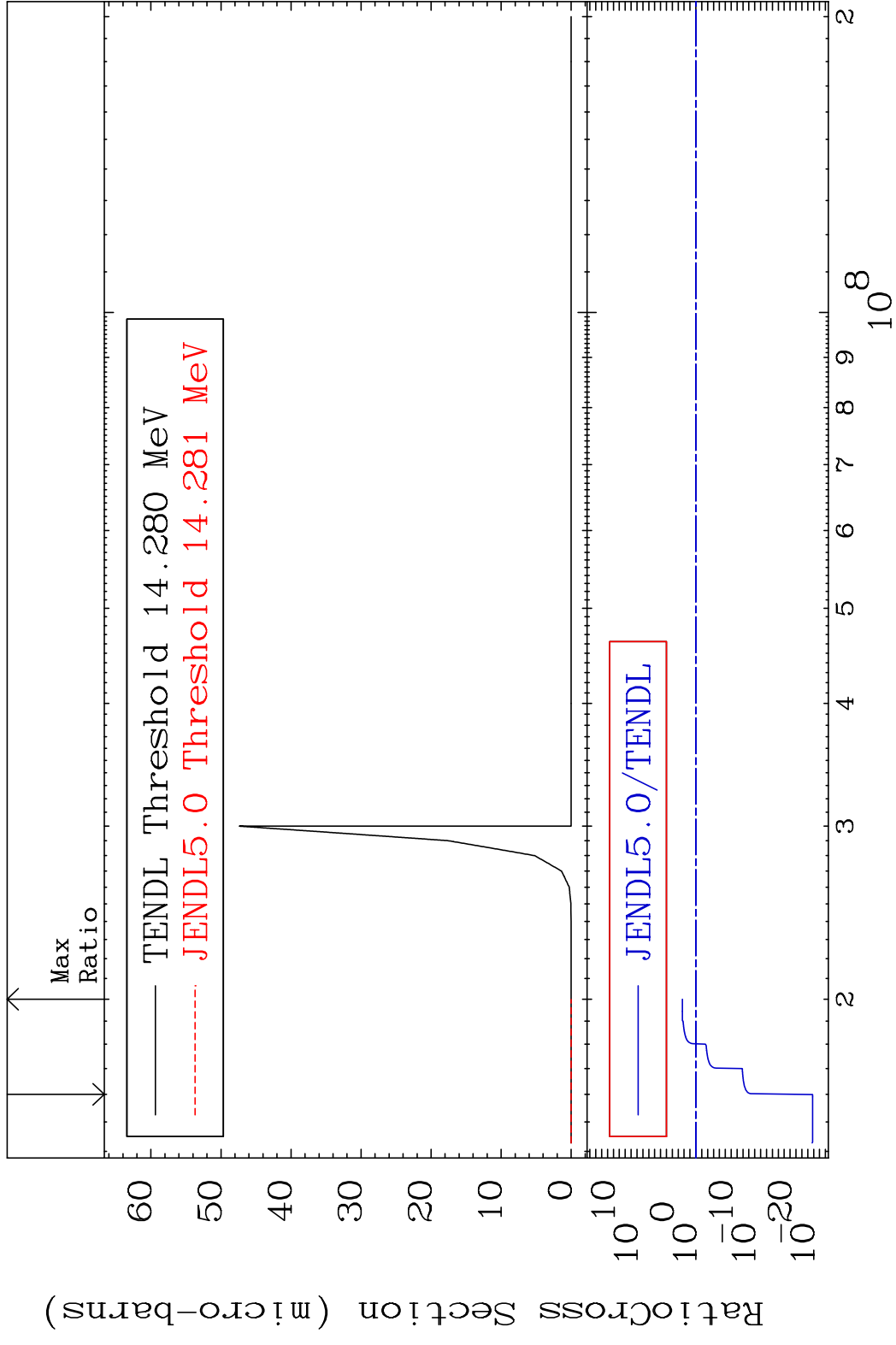


63 Incident Energy (eV) 58-Ce-136

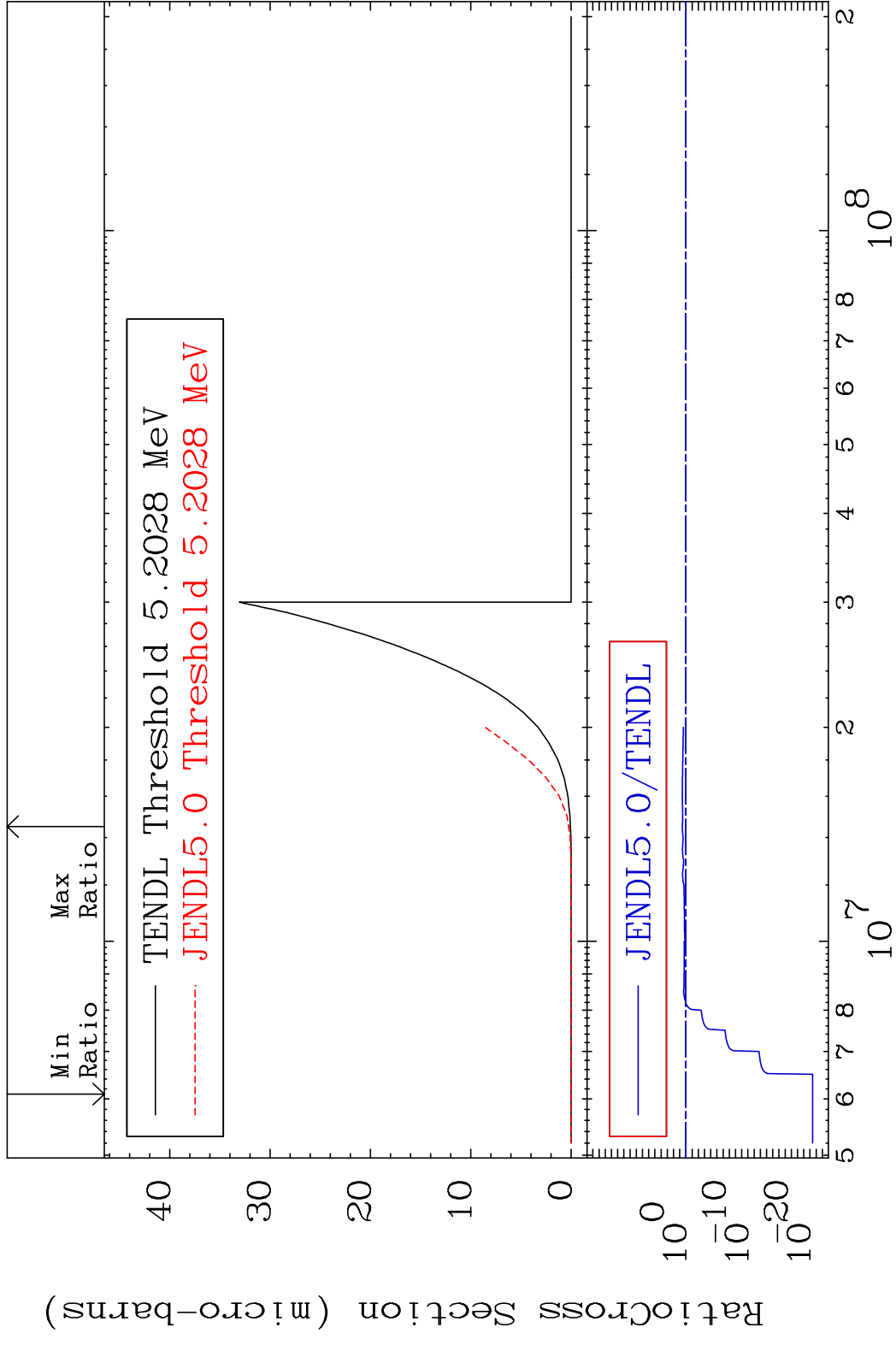


MAT 5825 (n, n') He-3:56-Ba-133g 58-Ce-136
 Radionuclide Production Cross Section to 9999. %

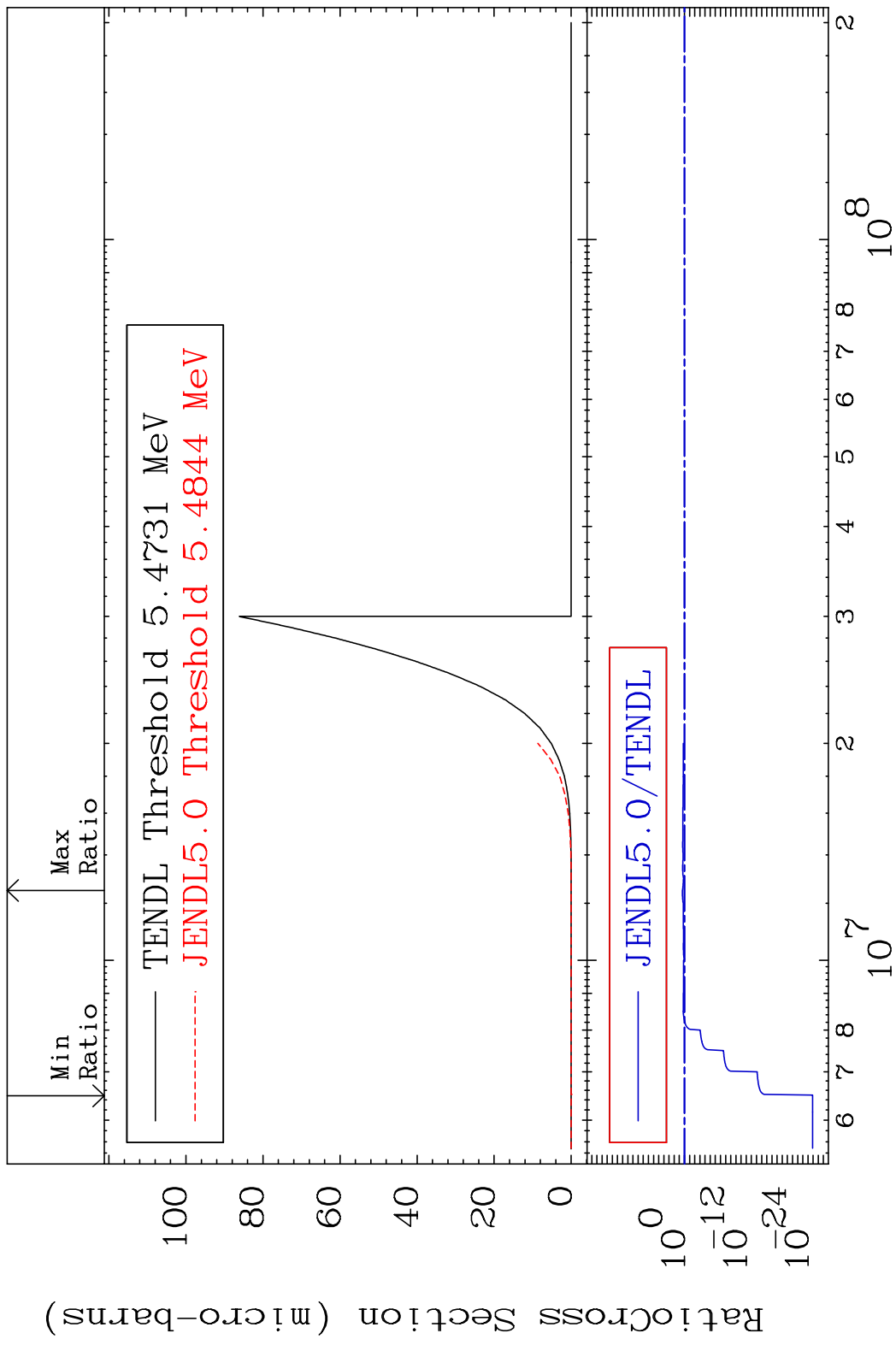


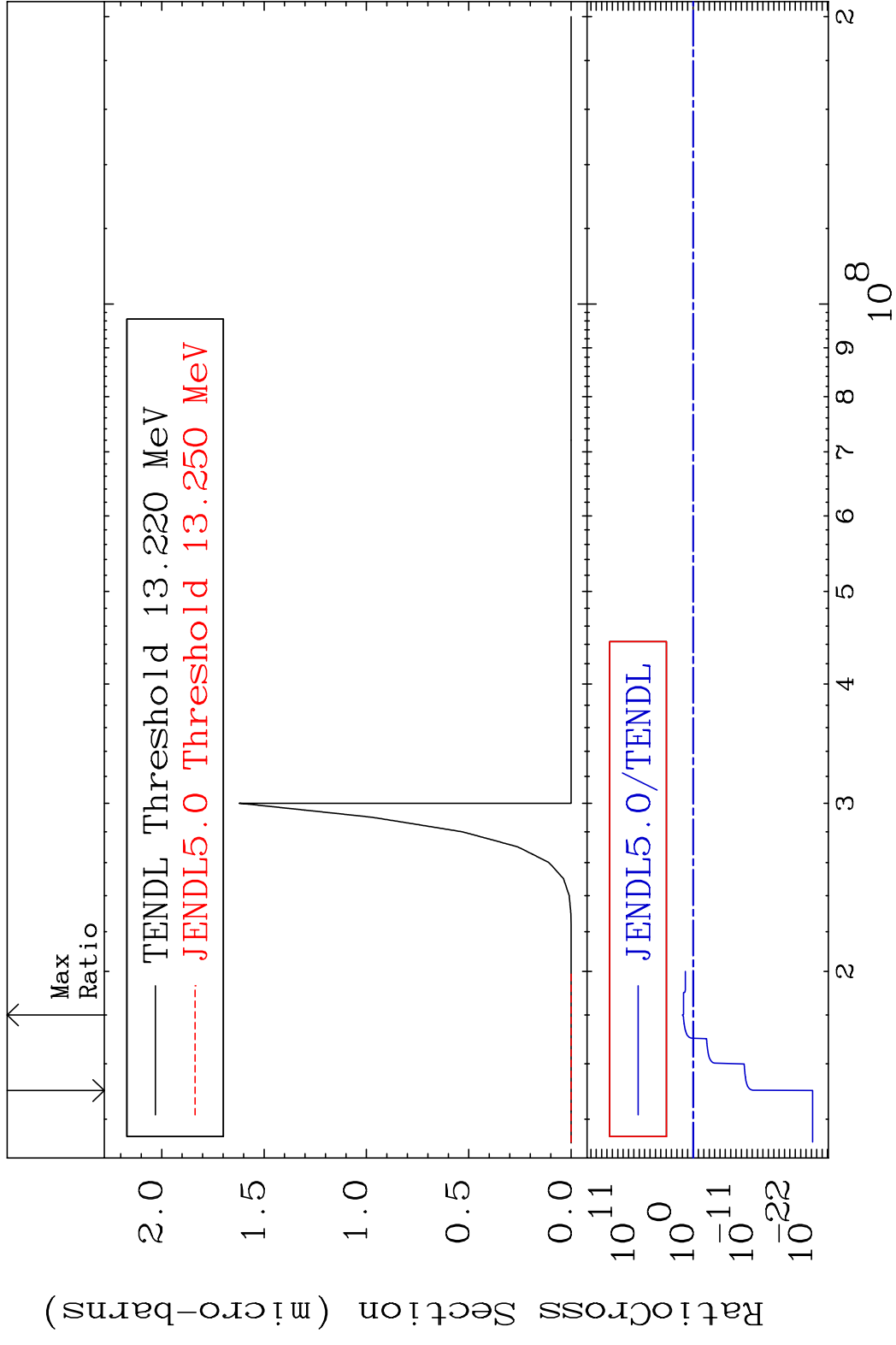


MAT 5825 (n,2p):56-Ba-135g 58-Ce-136
 Radionuclide Production Cross Section 180.0 dth 272.4 %

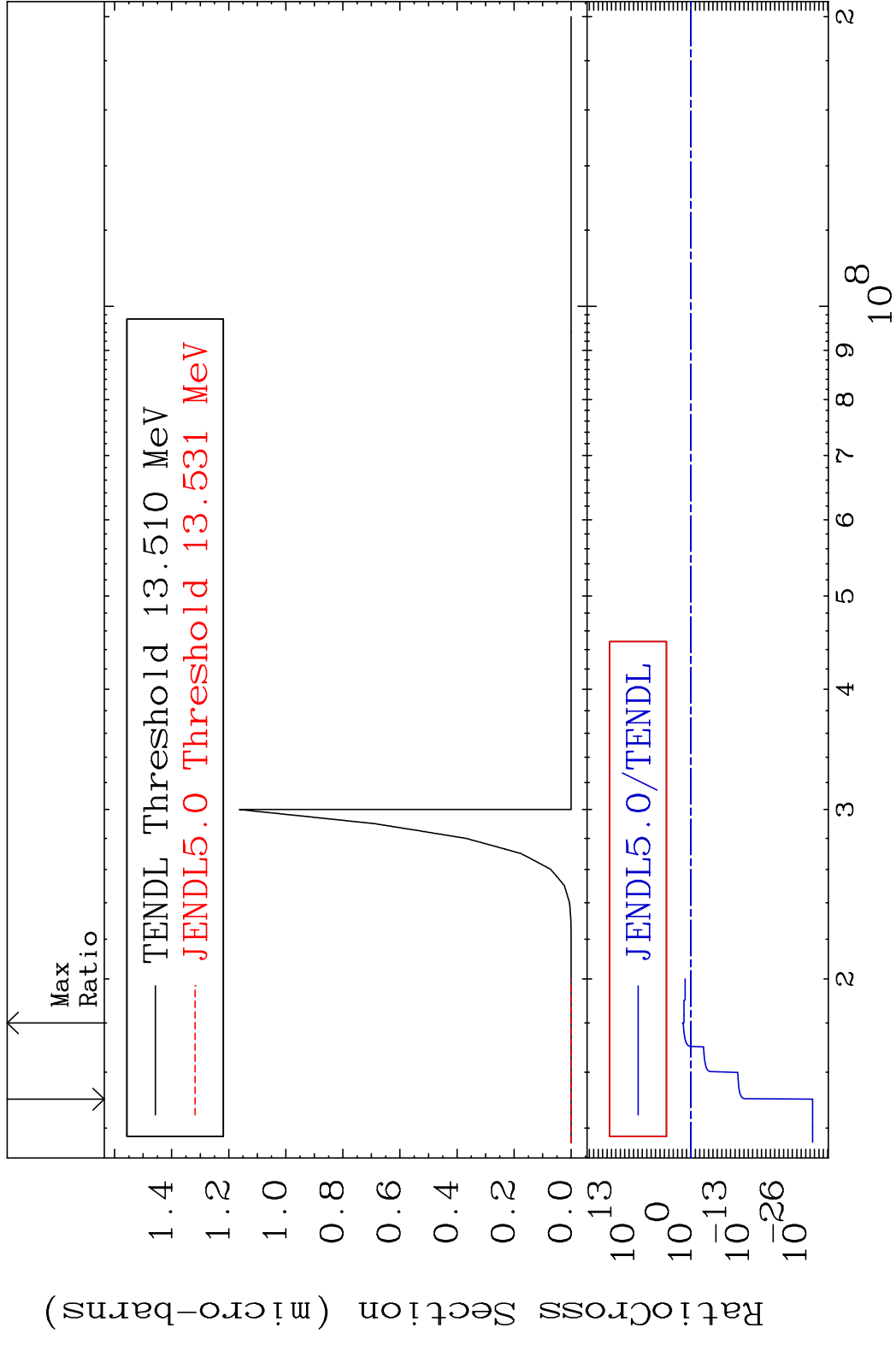


MAT 5825 (n, 2p):56-Ba-135m2 58-Ce-136
 Radionuclide Production Cross Section 153.1 %

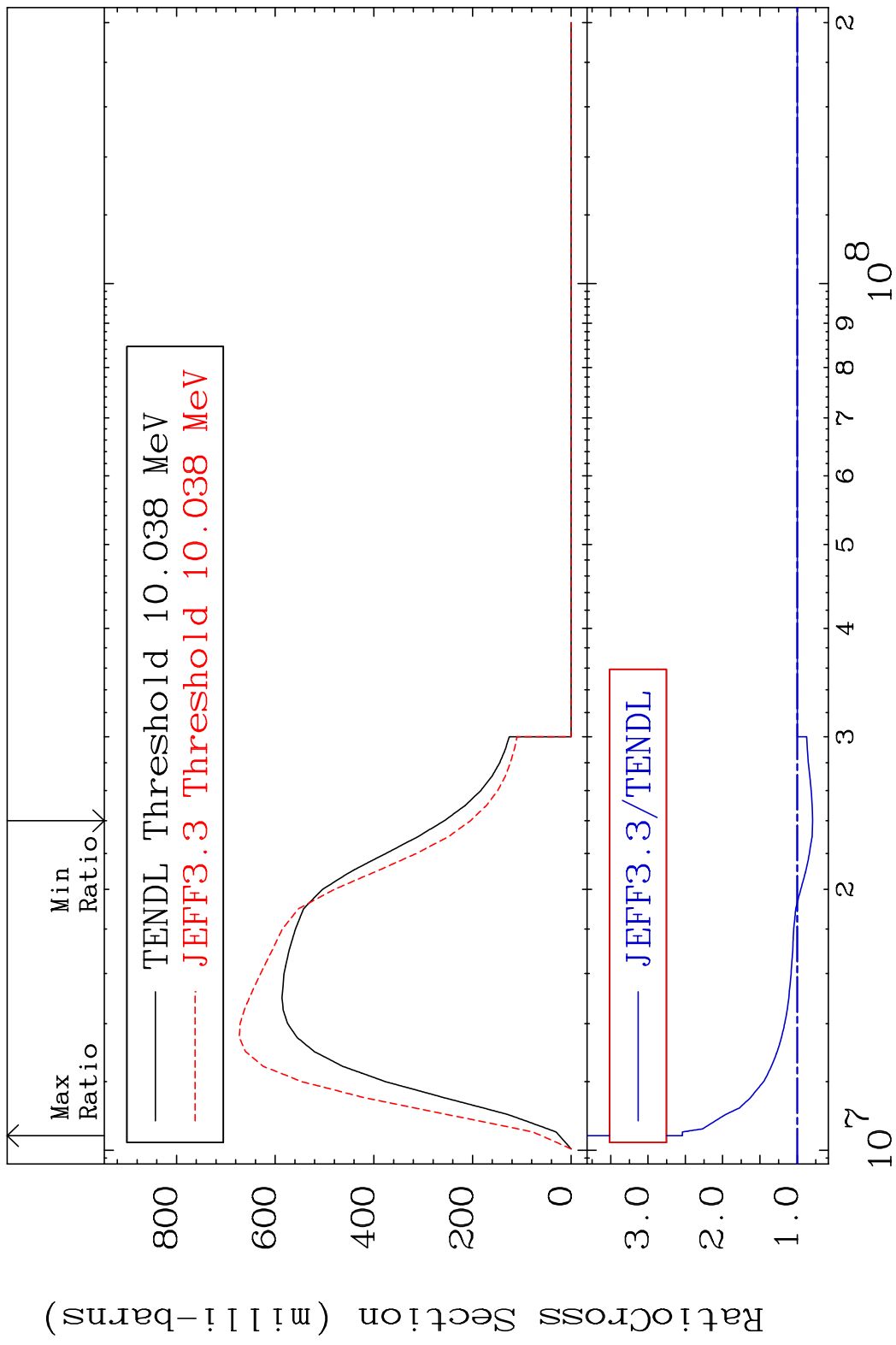




MAT 5825 (n, p) t:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section to 8495. %

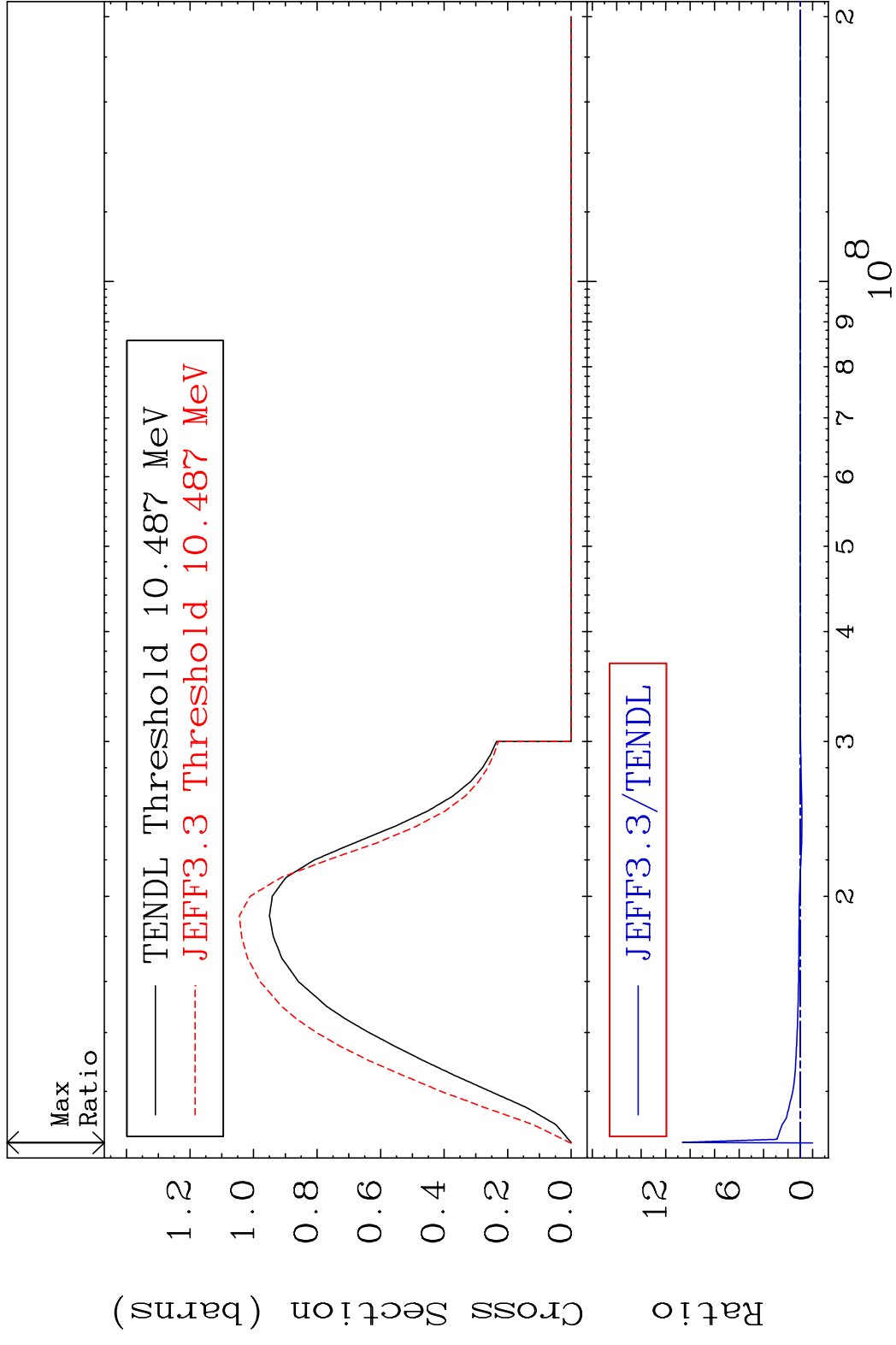


MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 154.0 %

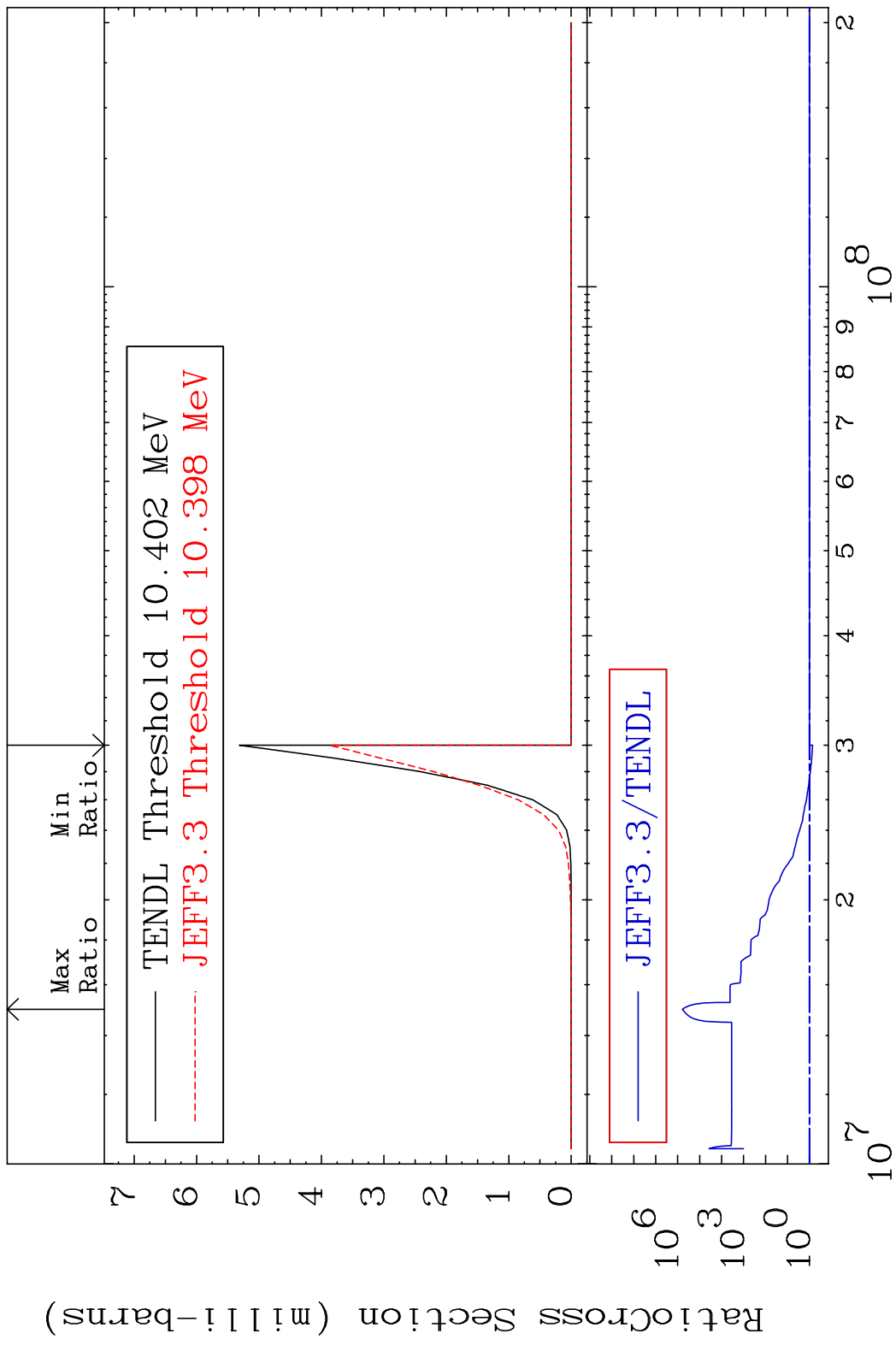


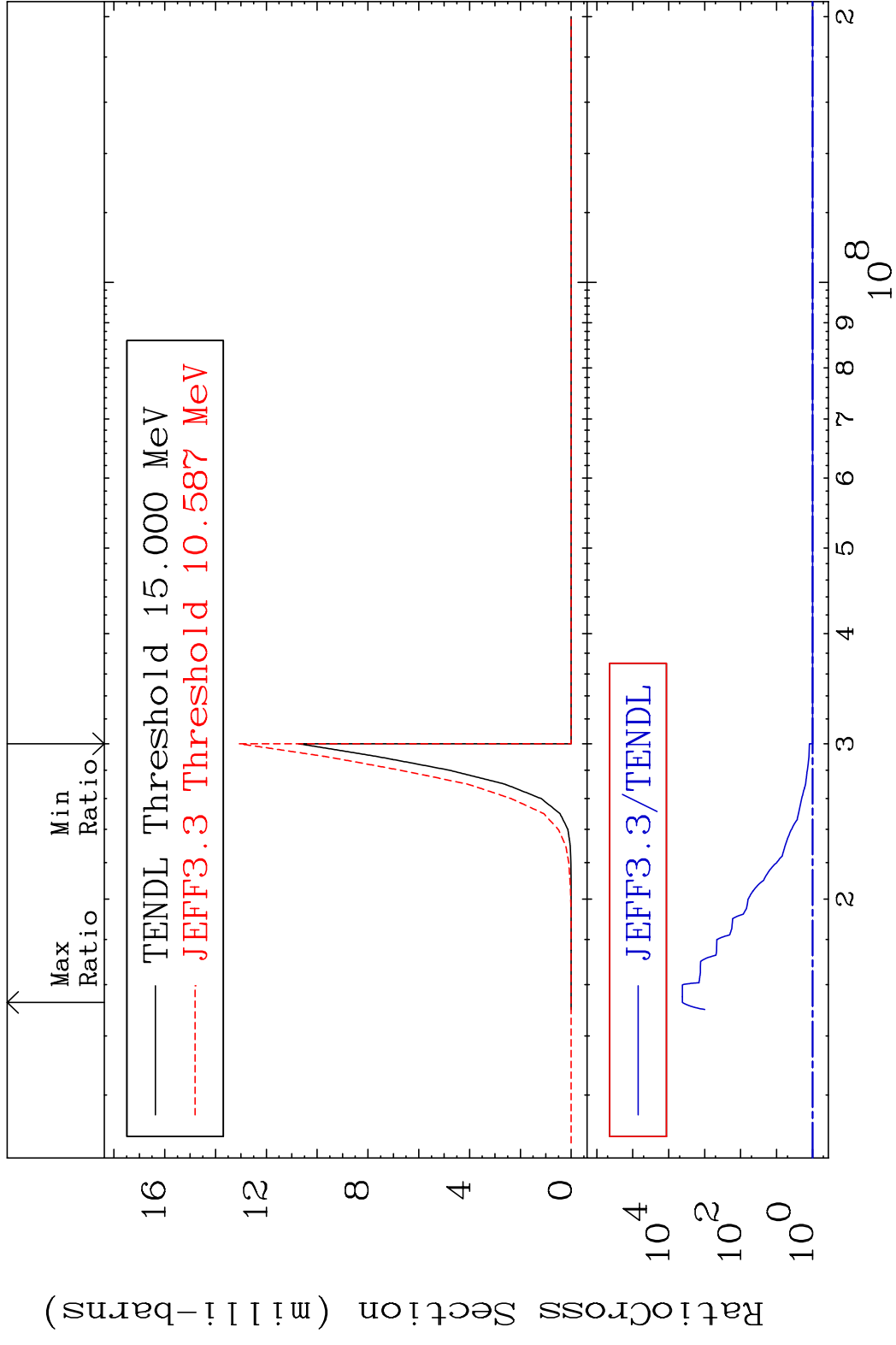
71 Incident Energy (eV) 58-Ce-136

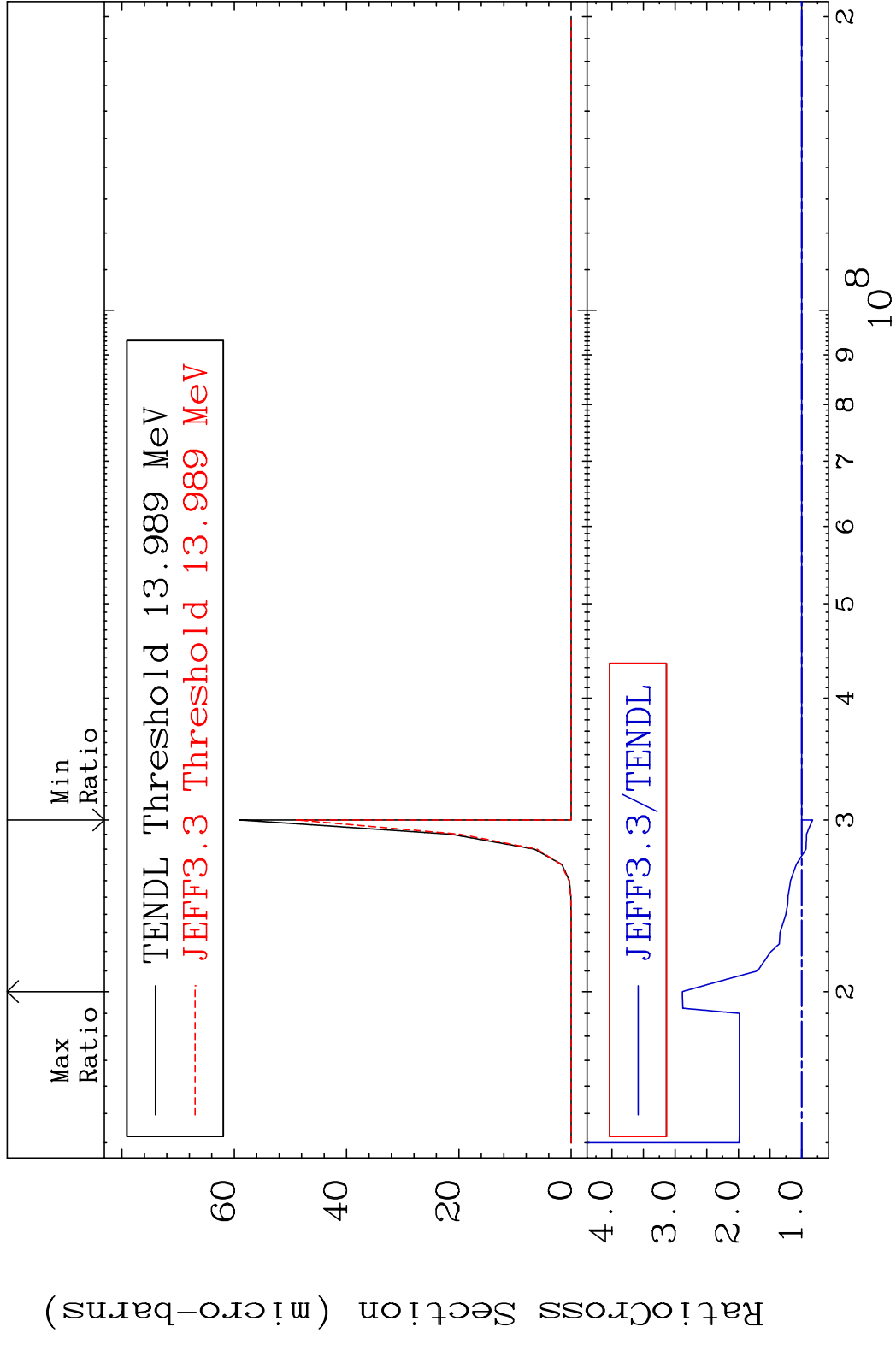
MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 180.01 dtd 963.6 %



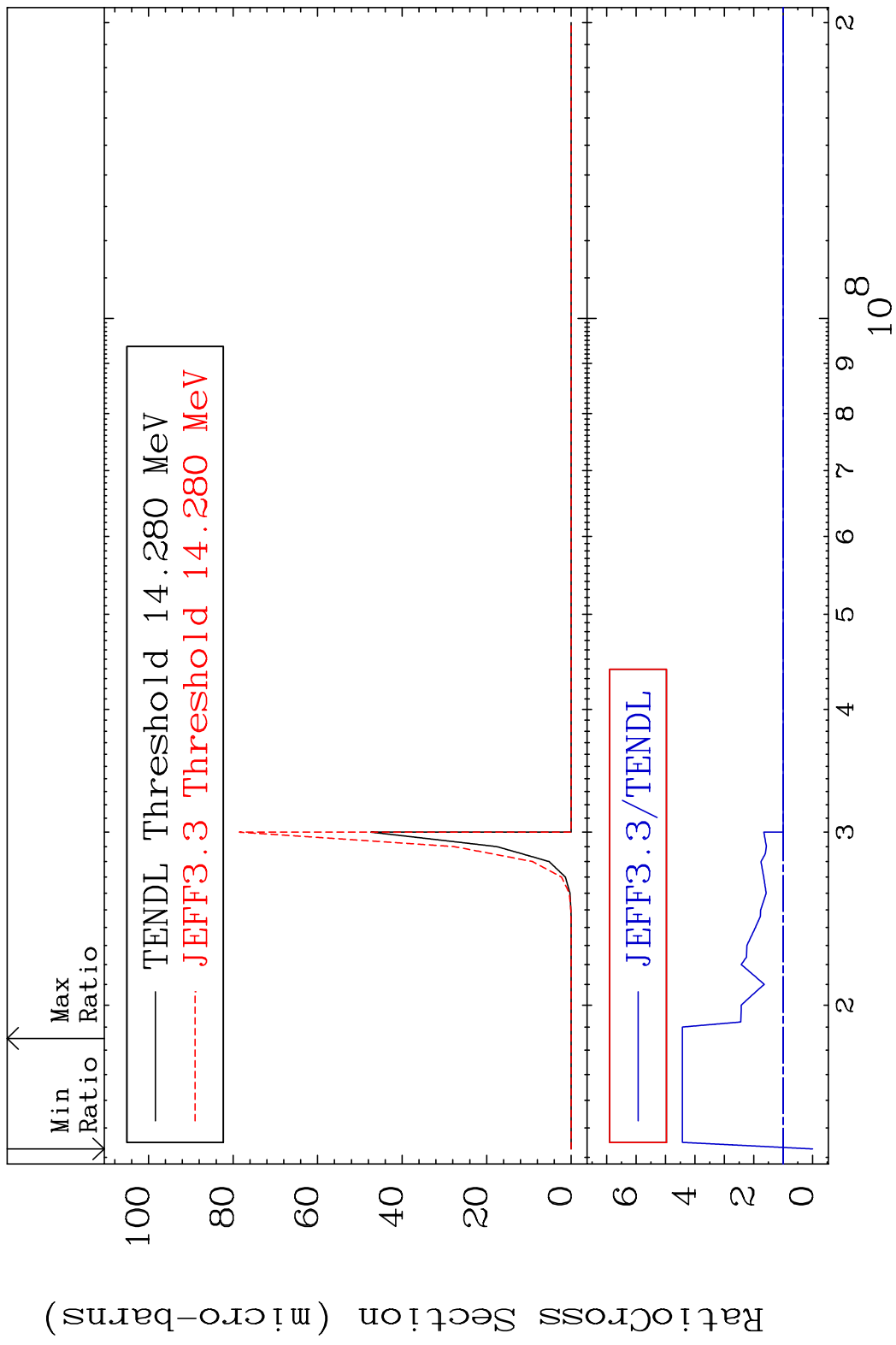
MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section to 9999. %



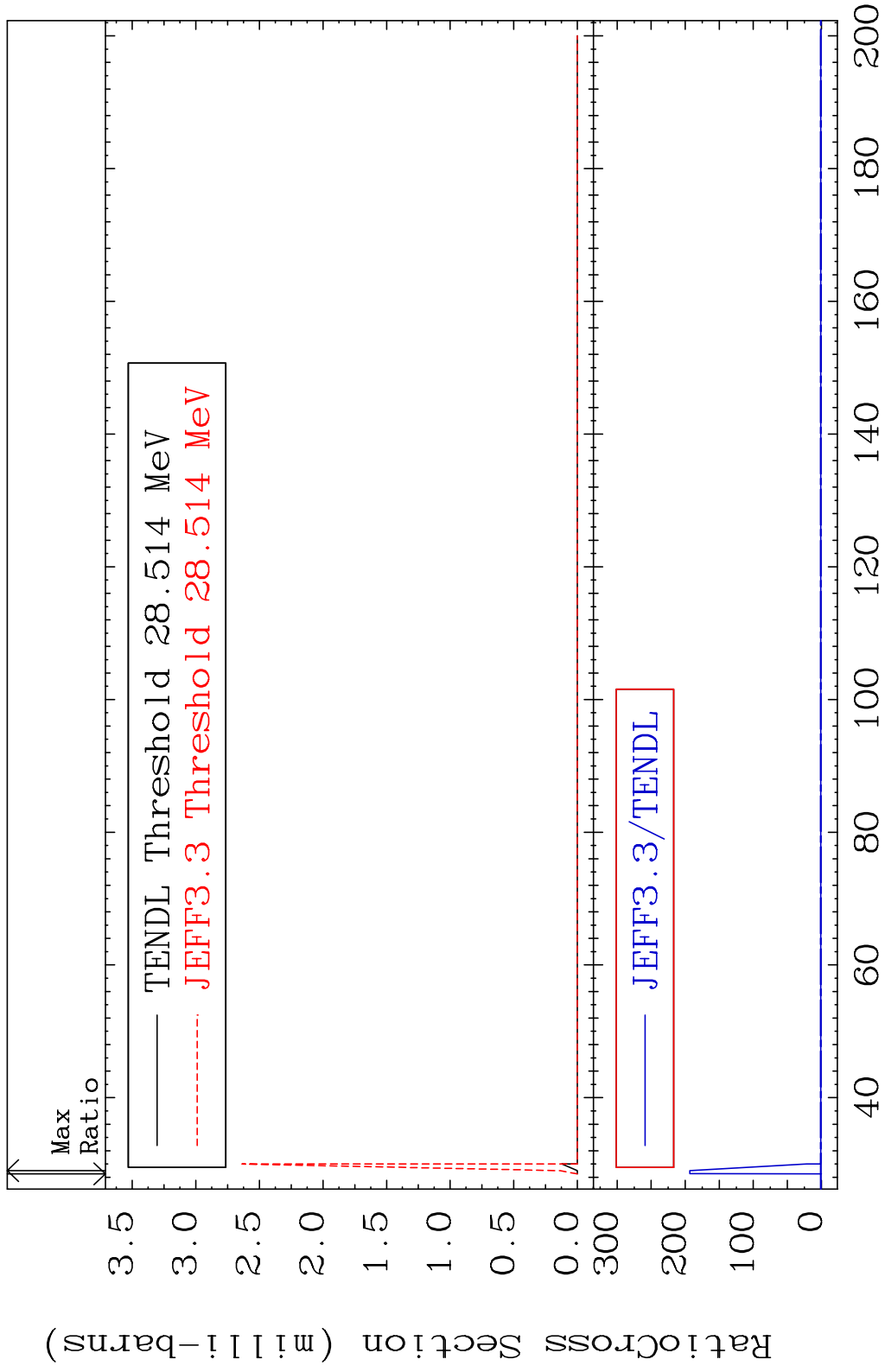




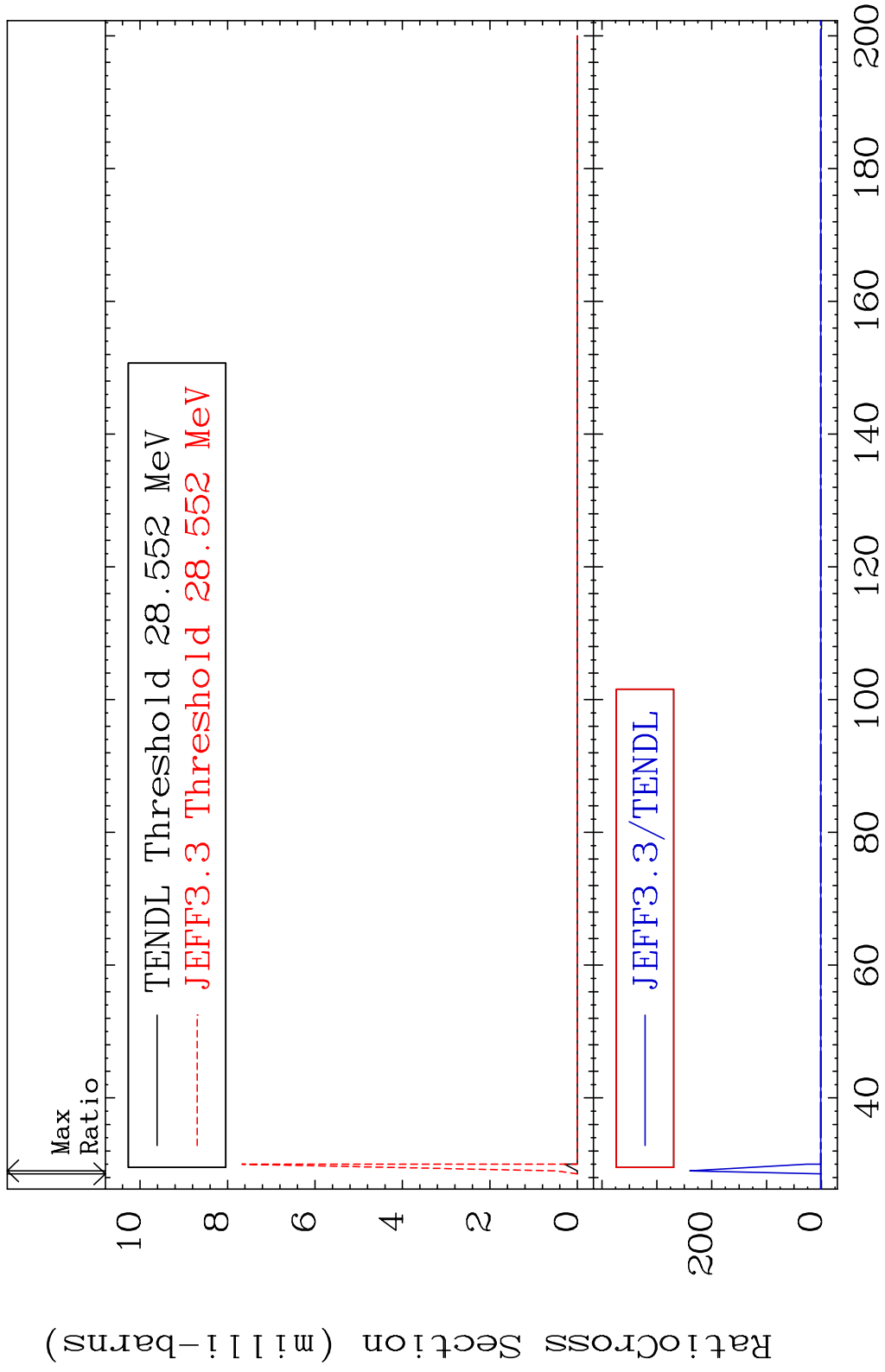
MAT 5825 (n, n') He-3:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section 100% 342.9 %



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

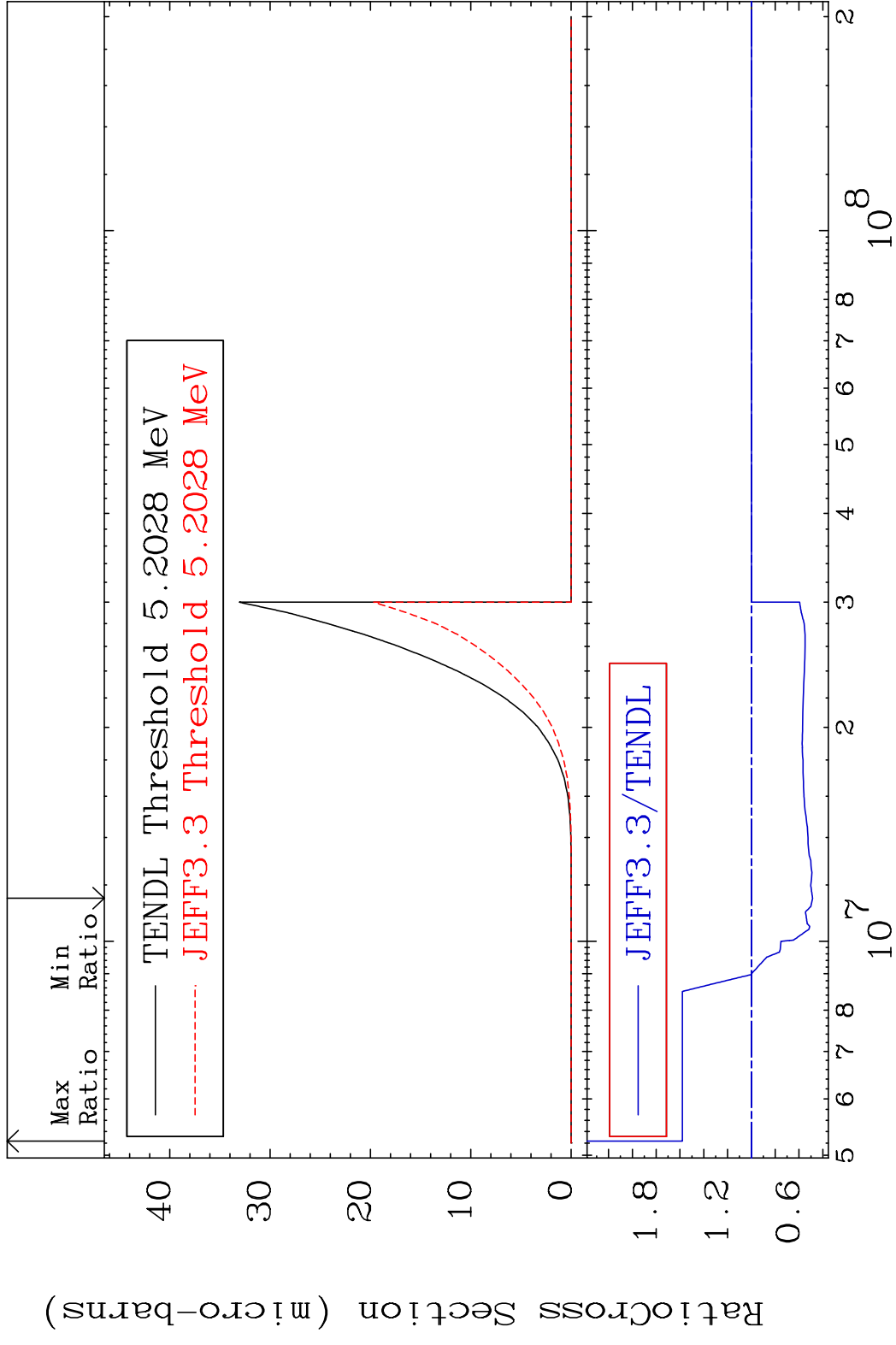


MAT 5825 (n, 4n):58-Ce-133m1 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

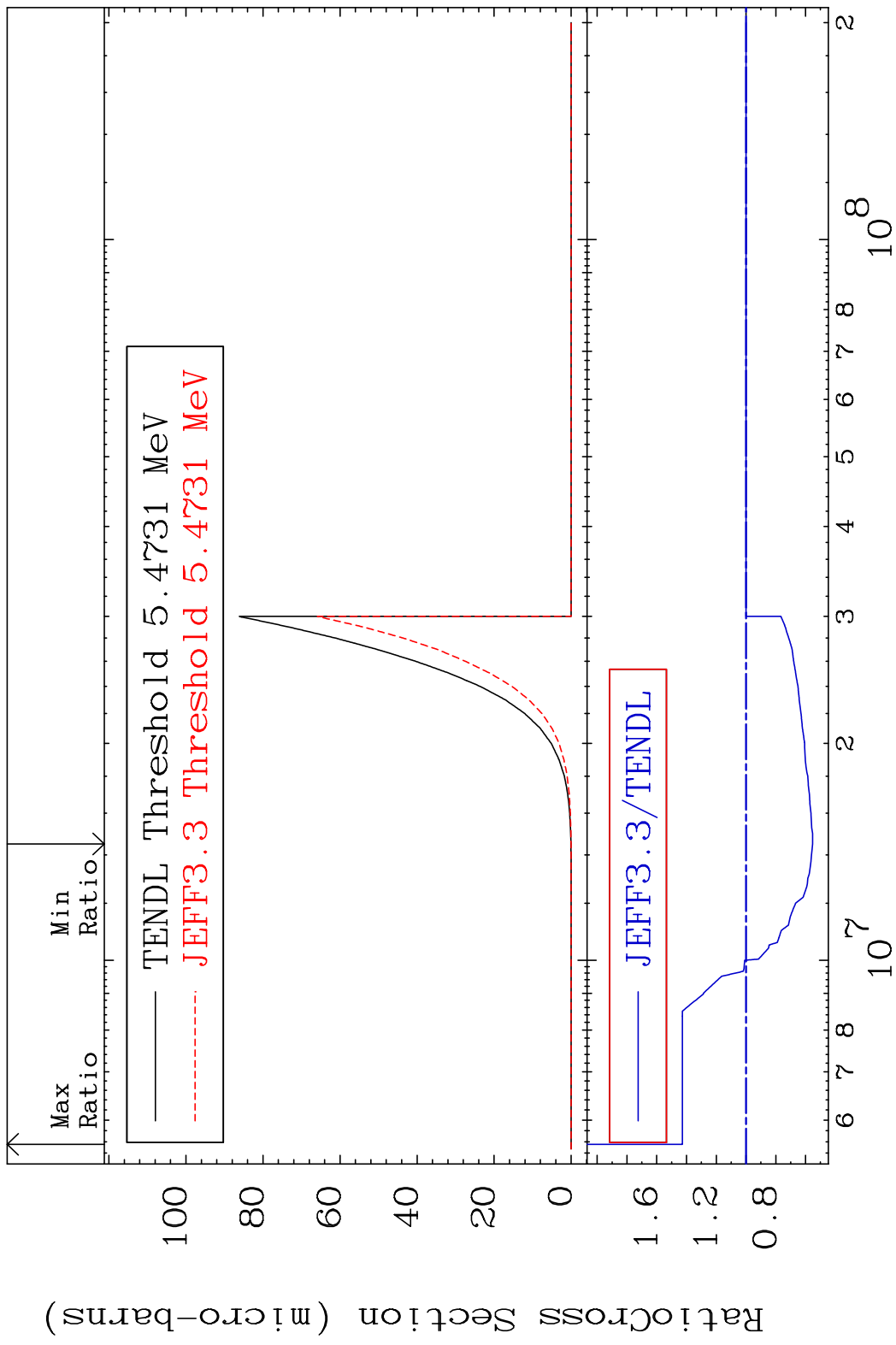


78 Incident Energy (MeV) 58-Ce-136

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

