

Program Complot  
(Version 2021-1)

by

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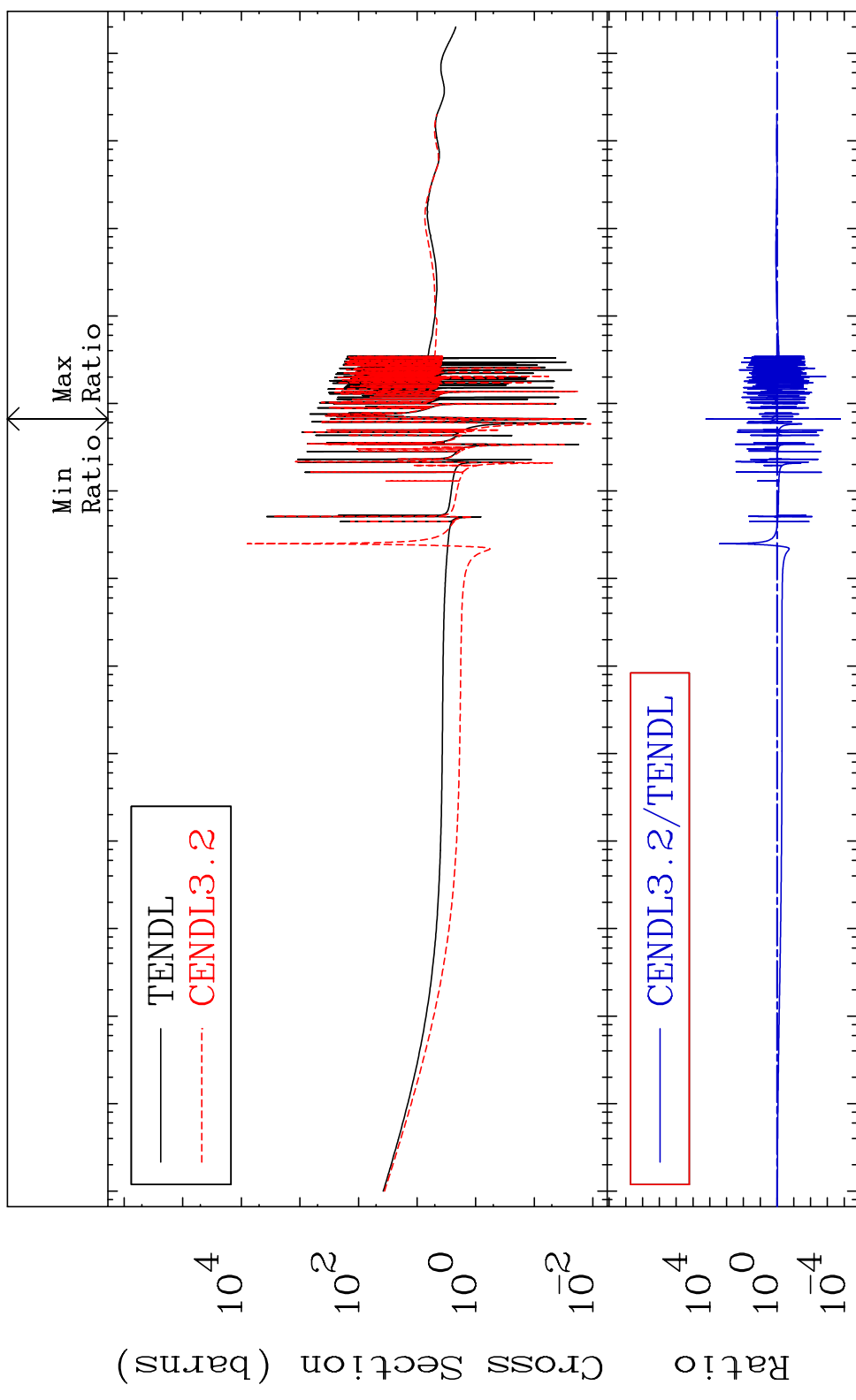
Press Mouse Button to Start

MAT 5643

Total

56-Ba-136

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

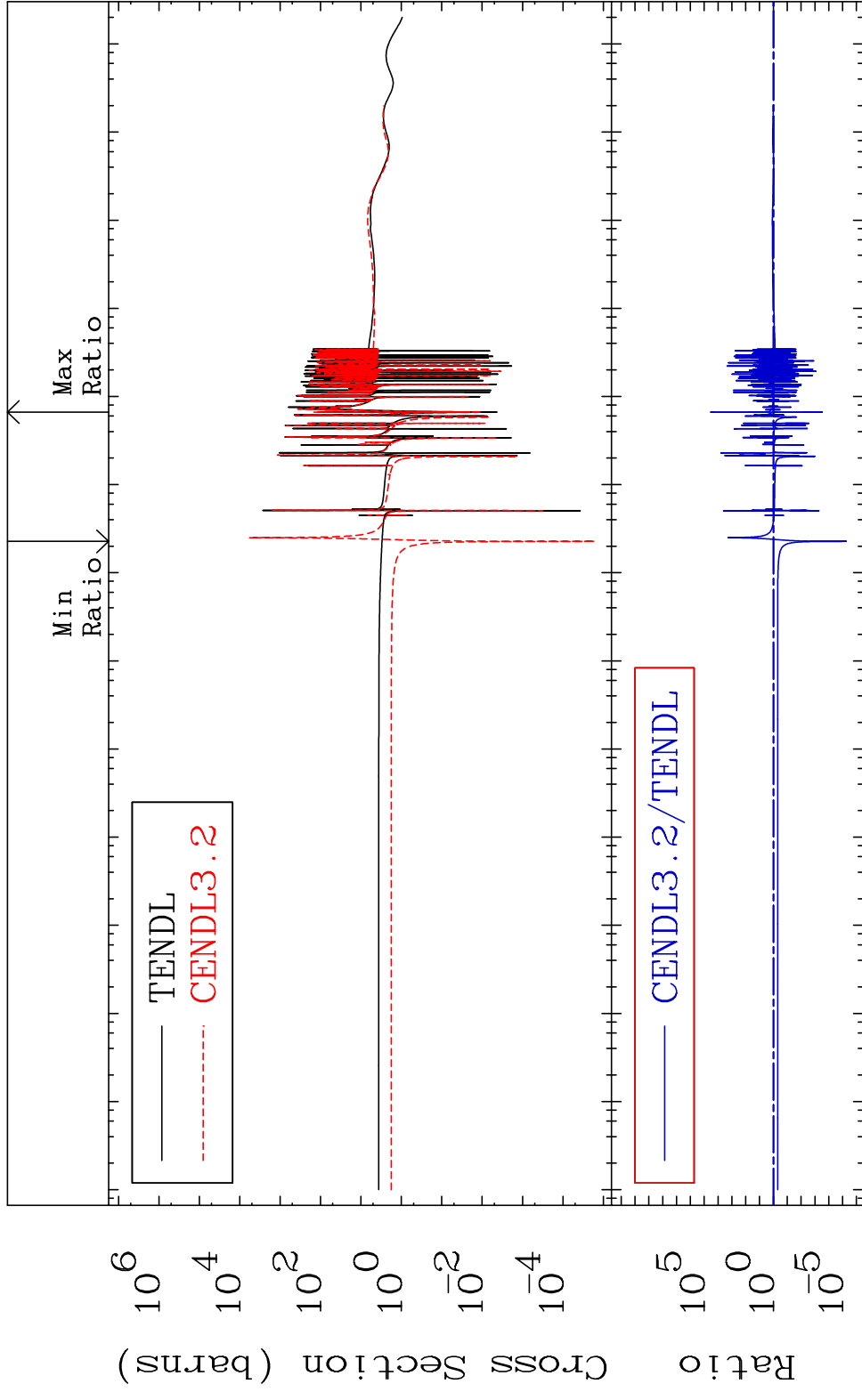
56-Ba-136

MAT 5643

Elastic

56-Ba-136

Cross Section -100.0 To 9999. %

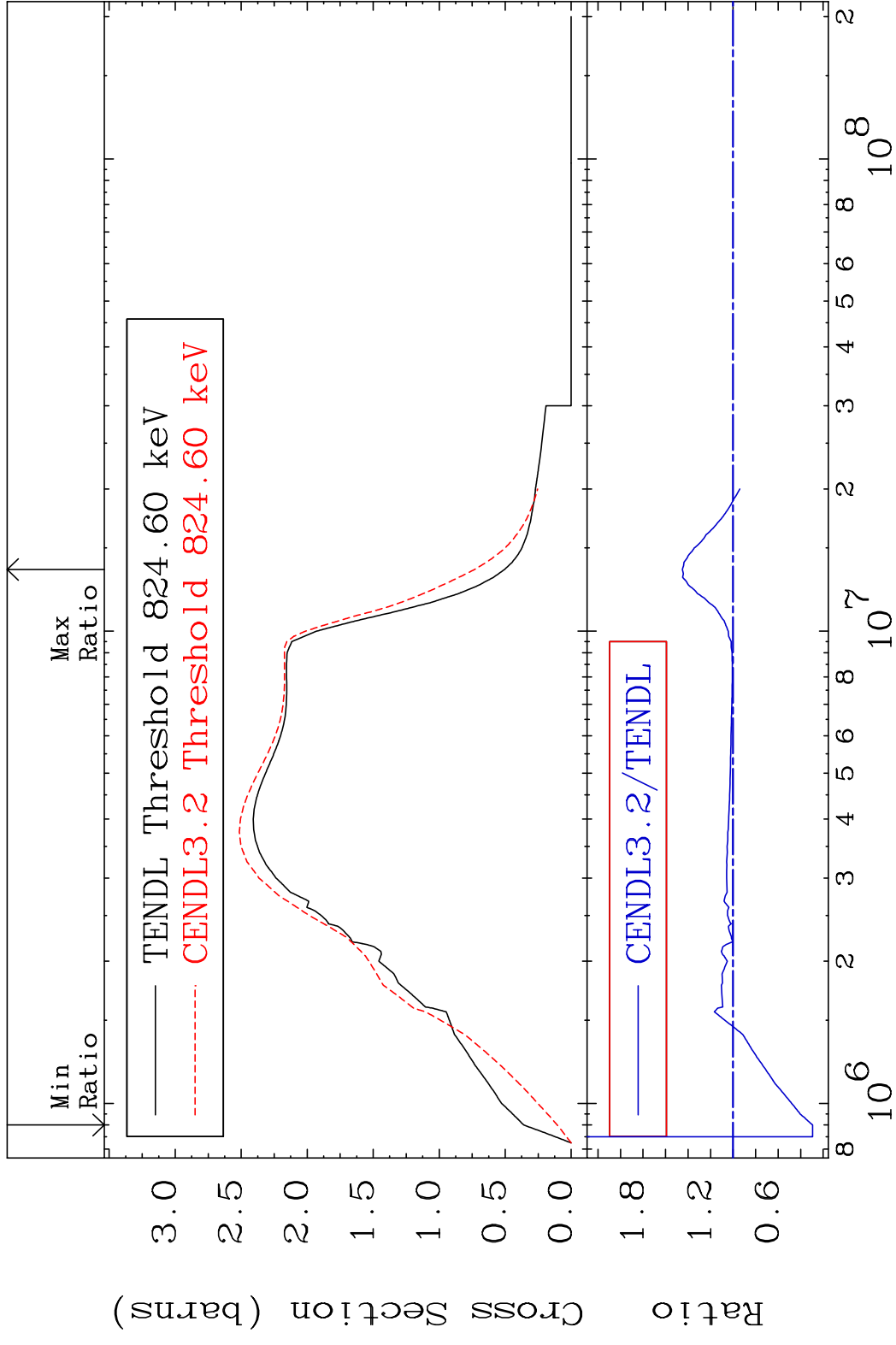


2

Incident Energy (eV)

56-Ba-136

MAT 5643 Inelastic 56-Ba-136  
 Cross Section -70.55 To 45.07 %



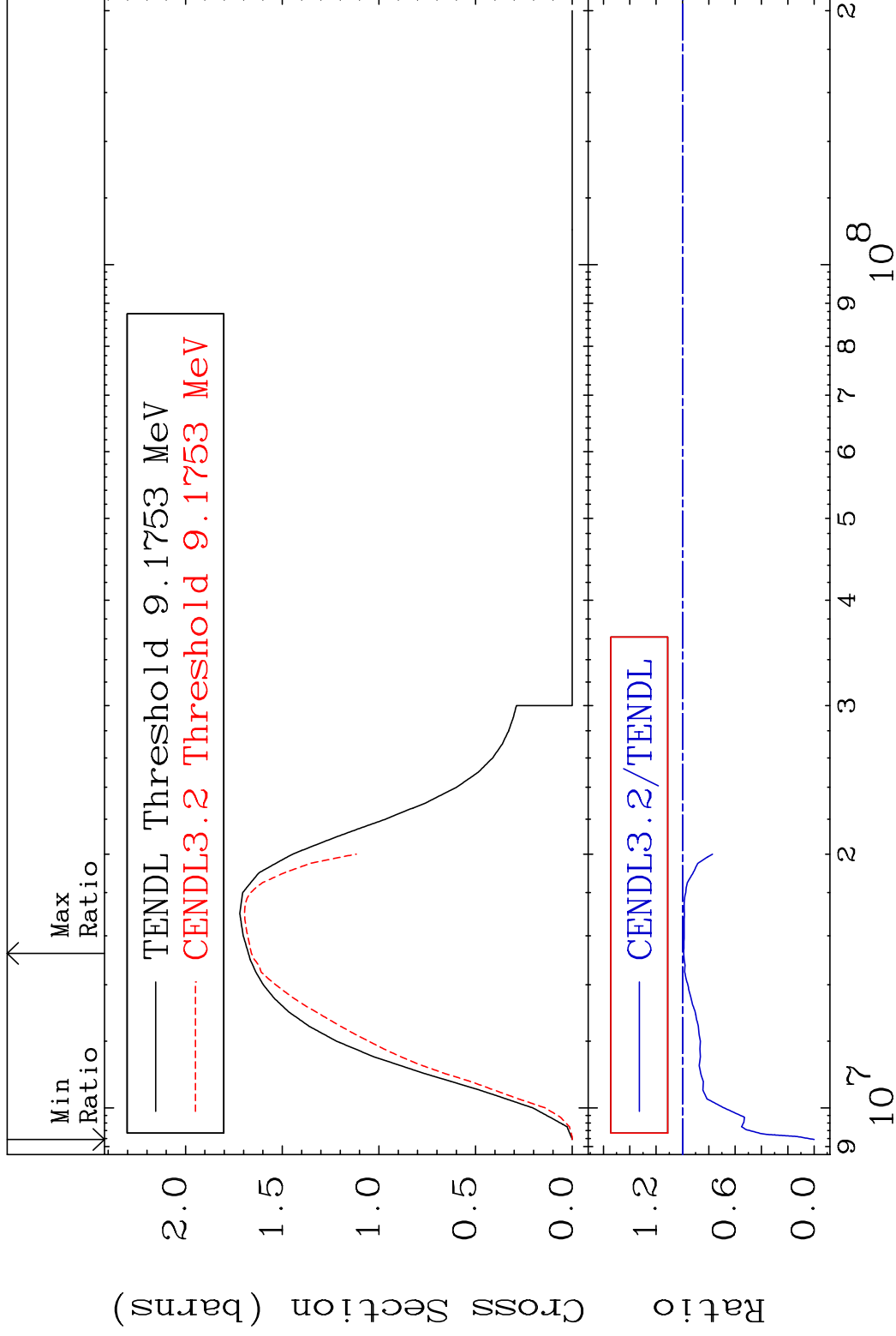
3 3 Incident Energy (eV) 56-Ba-136

MAT 5643

(n,2n)

56-Ba-136

Cross Section -100.0 To -0.914%



4

Incident Energy (eV)

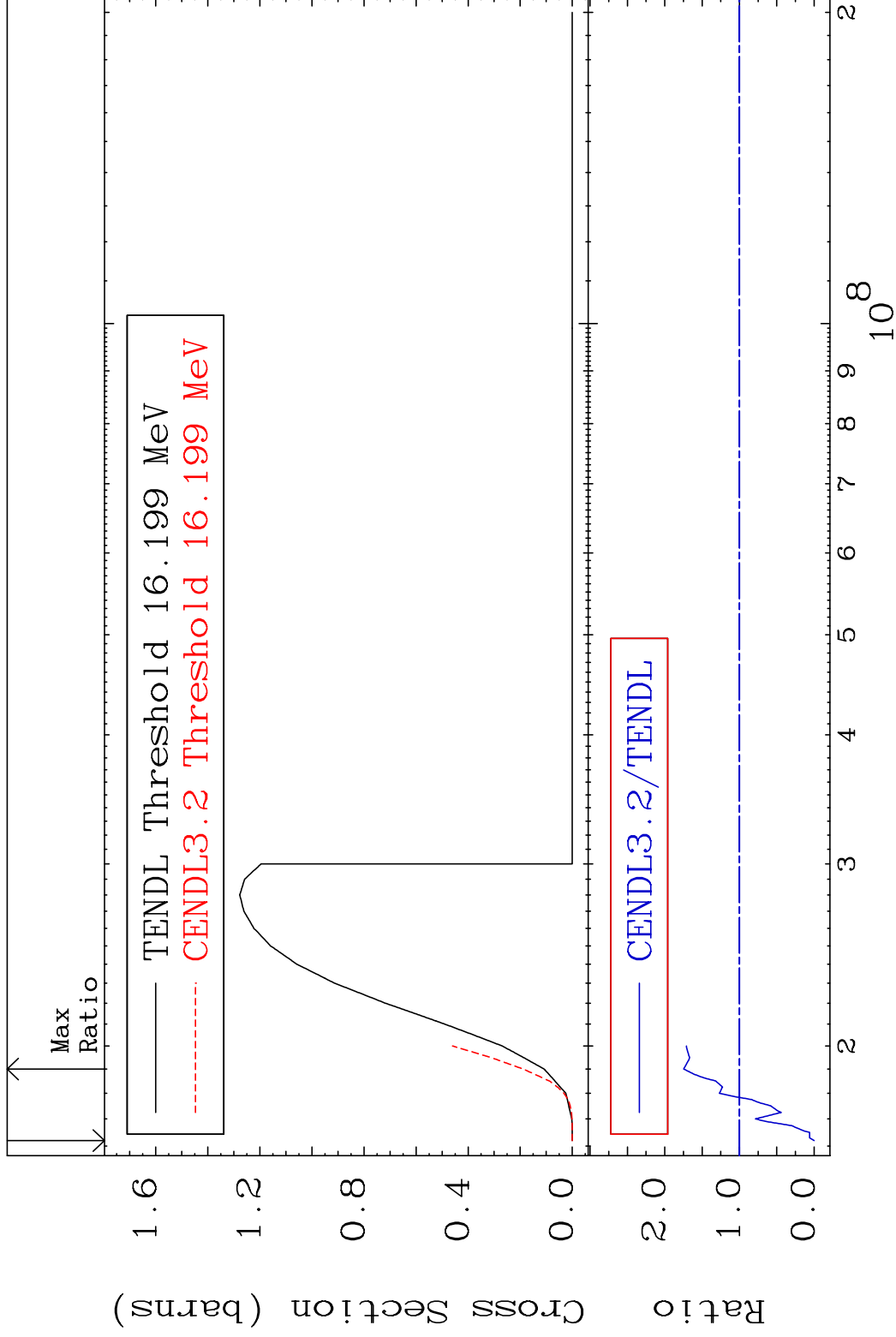
56-Ba-136

MAT 5643

(n,3n)

56-Ba-136

Cross Section -100.0 To 74.69 %



5

Incident Energy (eV)

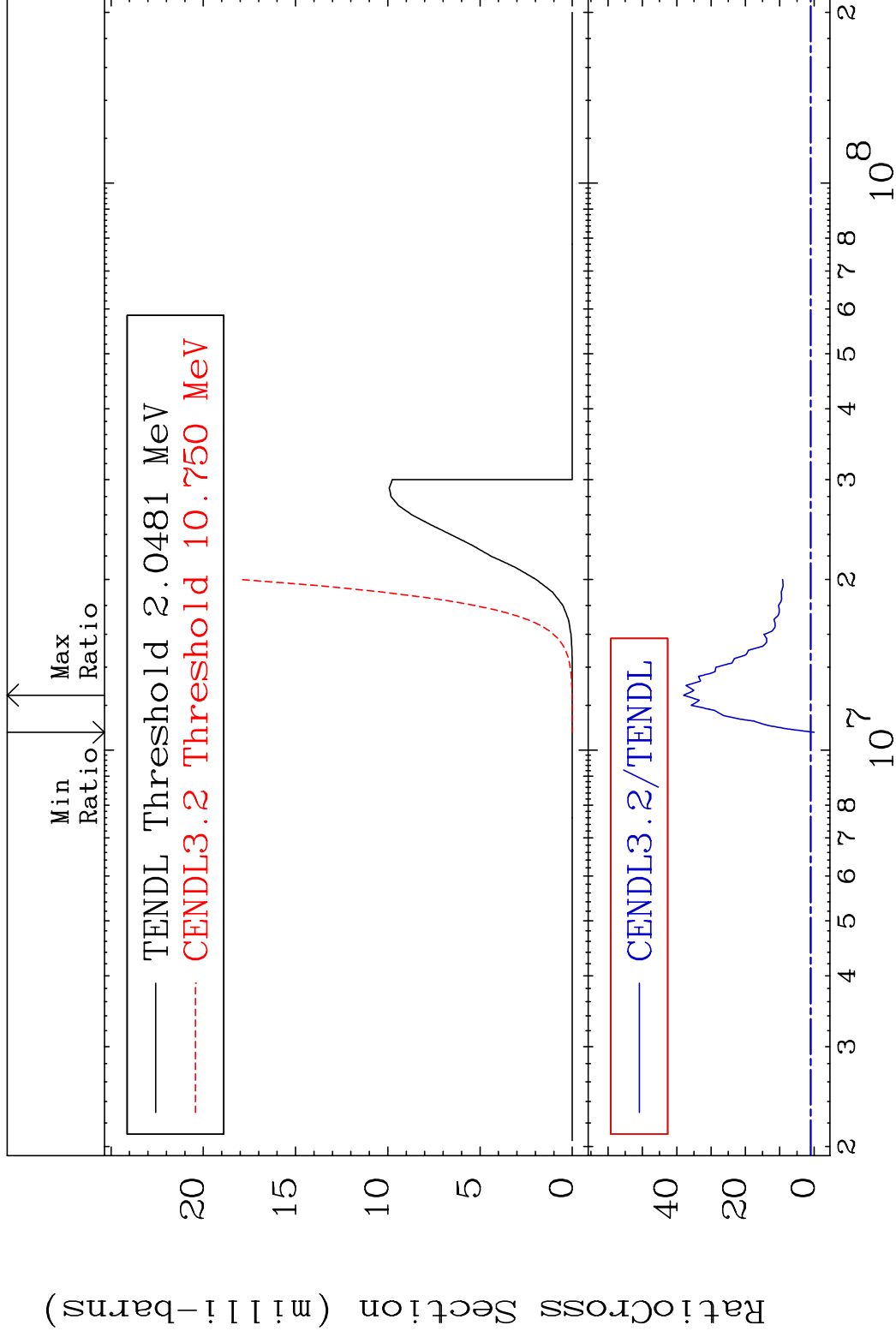
56-Ba-136

MAT 5643

(n, n')  $\alpha$

56-Ba-136

Cross Section -100.0 To 3698. %



6

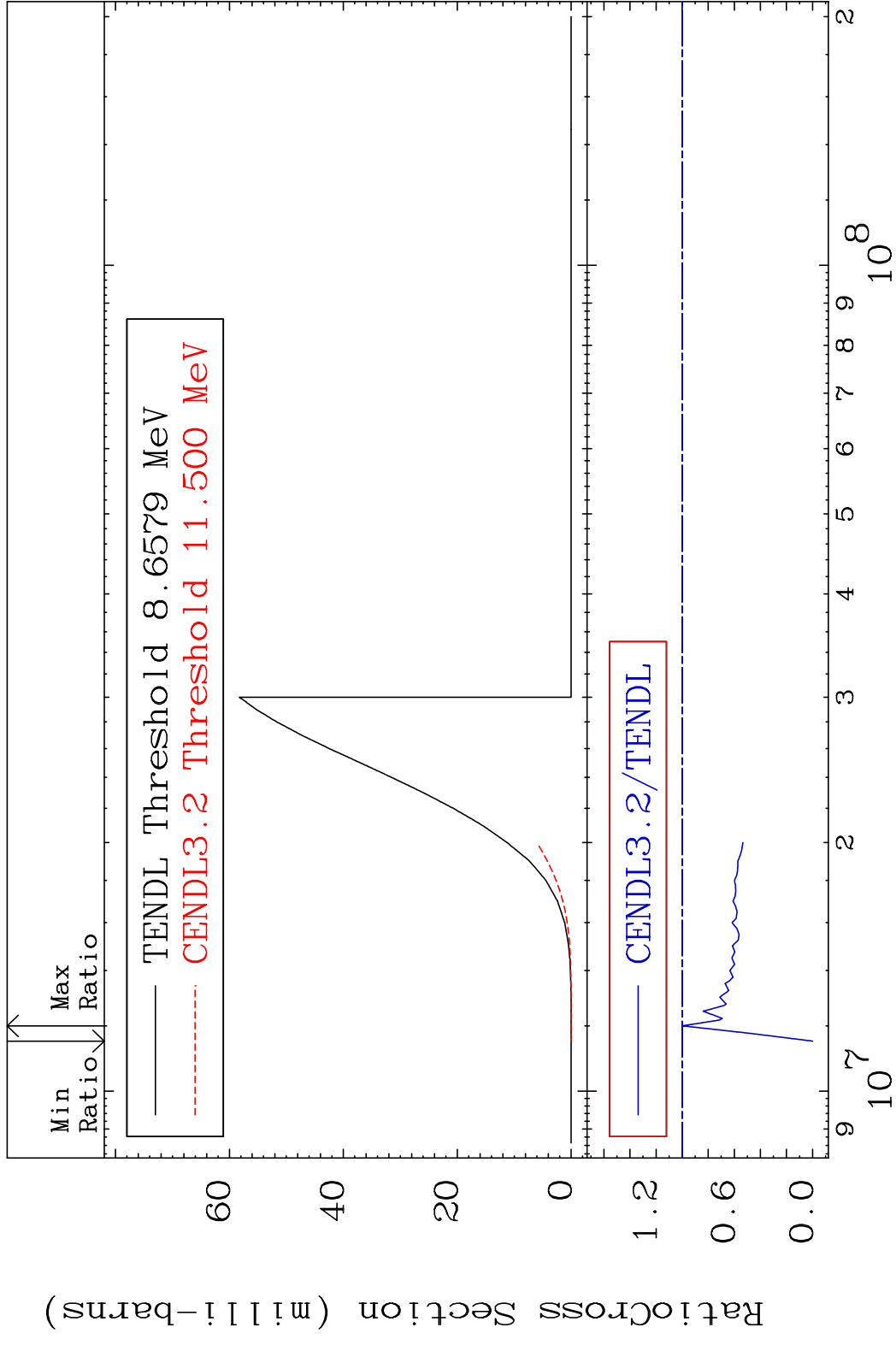
Incident Energy (eV)

56-Ba-136

MAT 5643

(n, n') p 56-Ba-136

Cross Section -100.0 To -0.159%



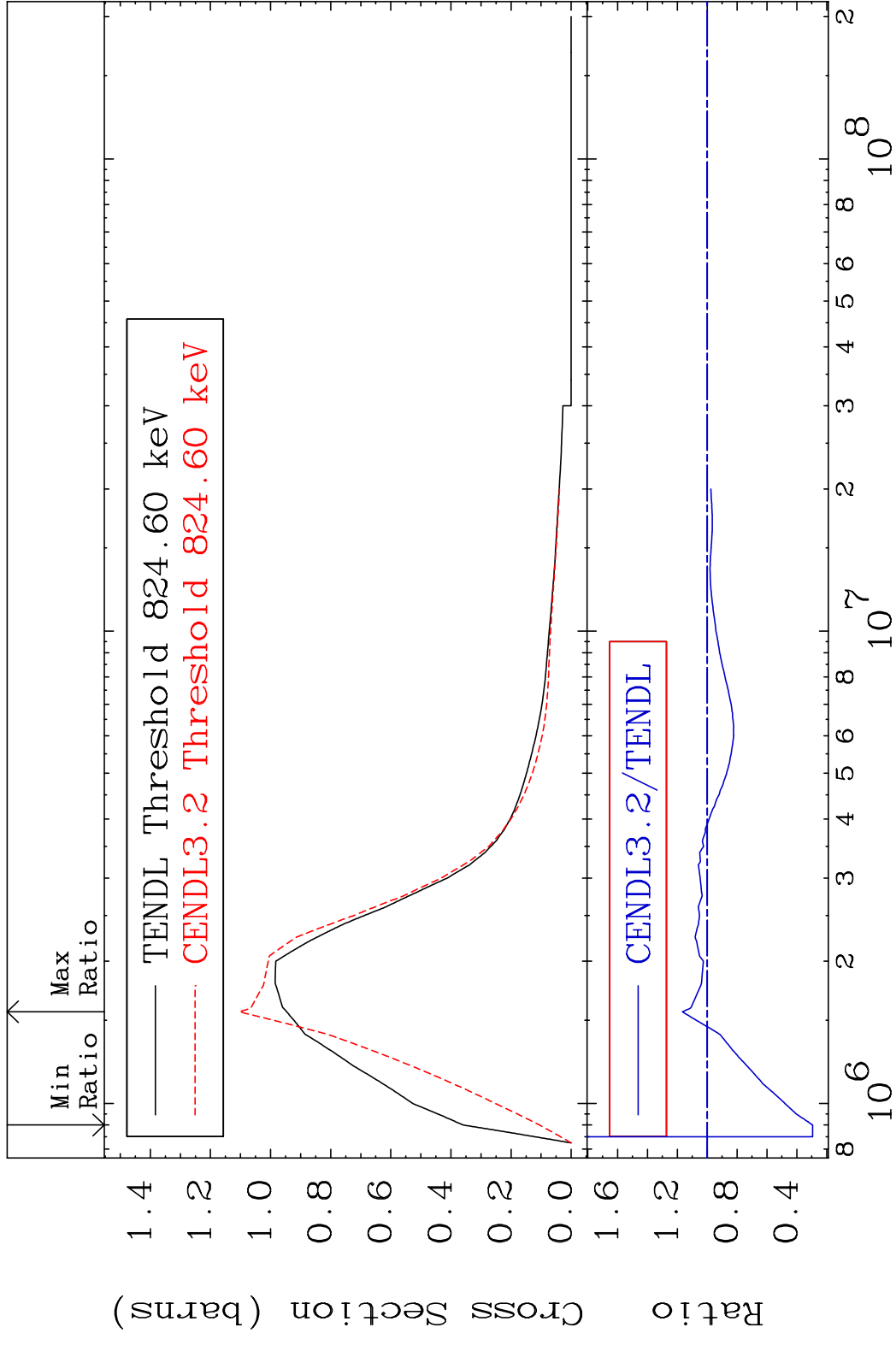
7

Incident Energy (eV)

56-Ba-136

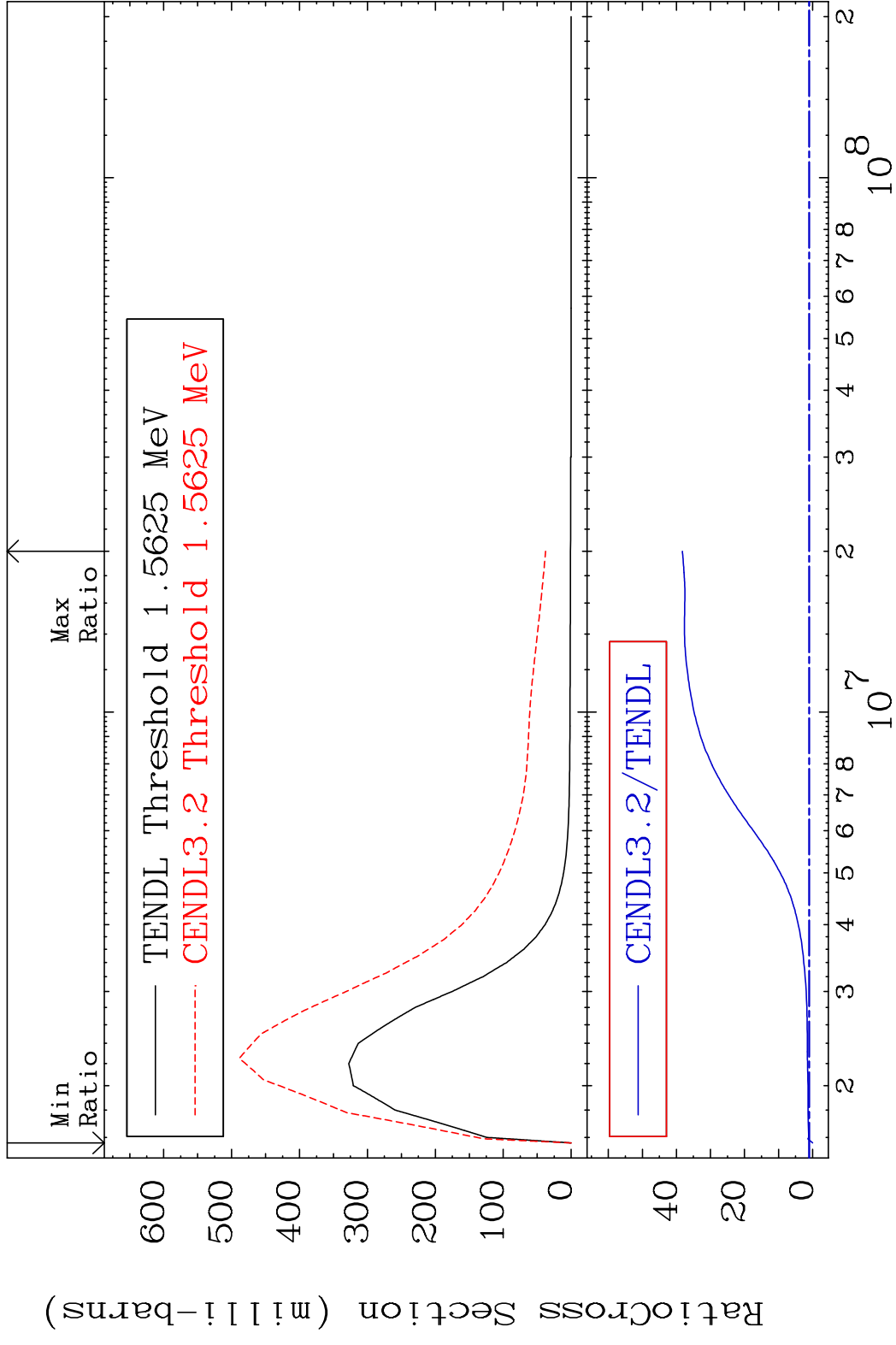


MAT 5643 MT= 51 (n, n') Level 56-Ba-136  
 Cross Section -70.55 To 16.64 %

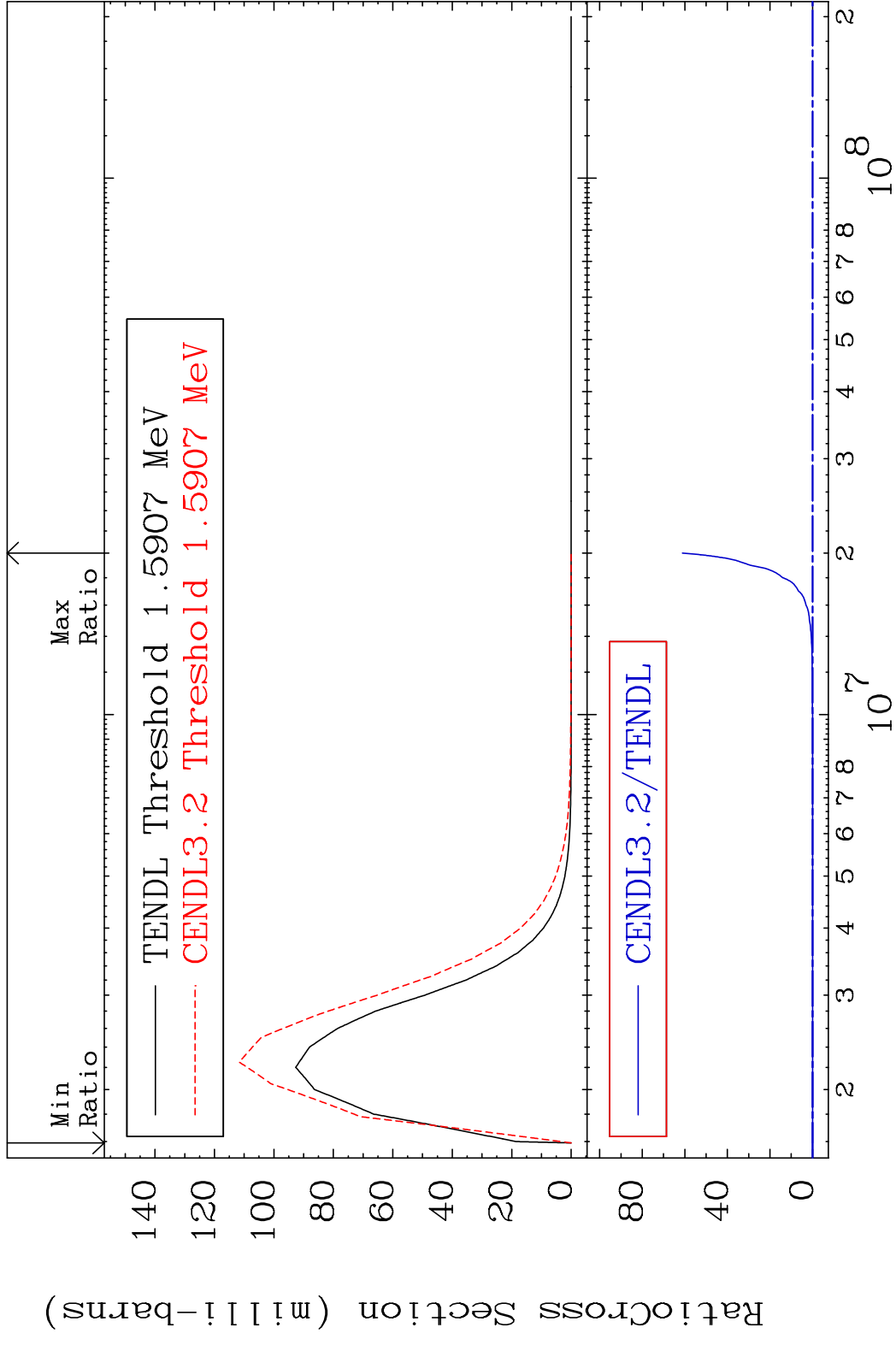


8 8 Incident Energy (eV) 56-Ba-136

MAT 5643 MT= 52 (n, n') Level 56-Ba-136  
 Cross Section -100.0 To 3726. %



MAT 5643 MT= 53 (n, n') Level 56-Ba-136  
 Cross Section -100.0 To 9999. %



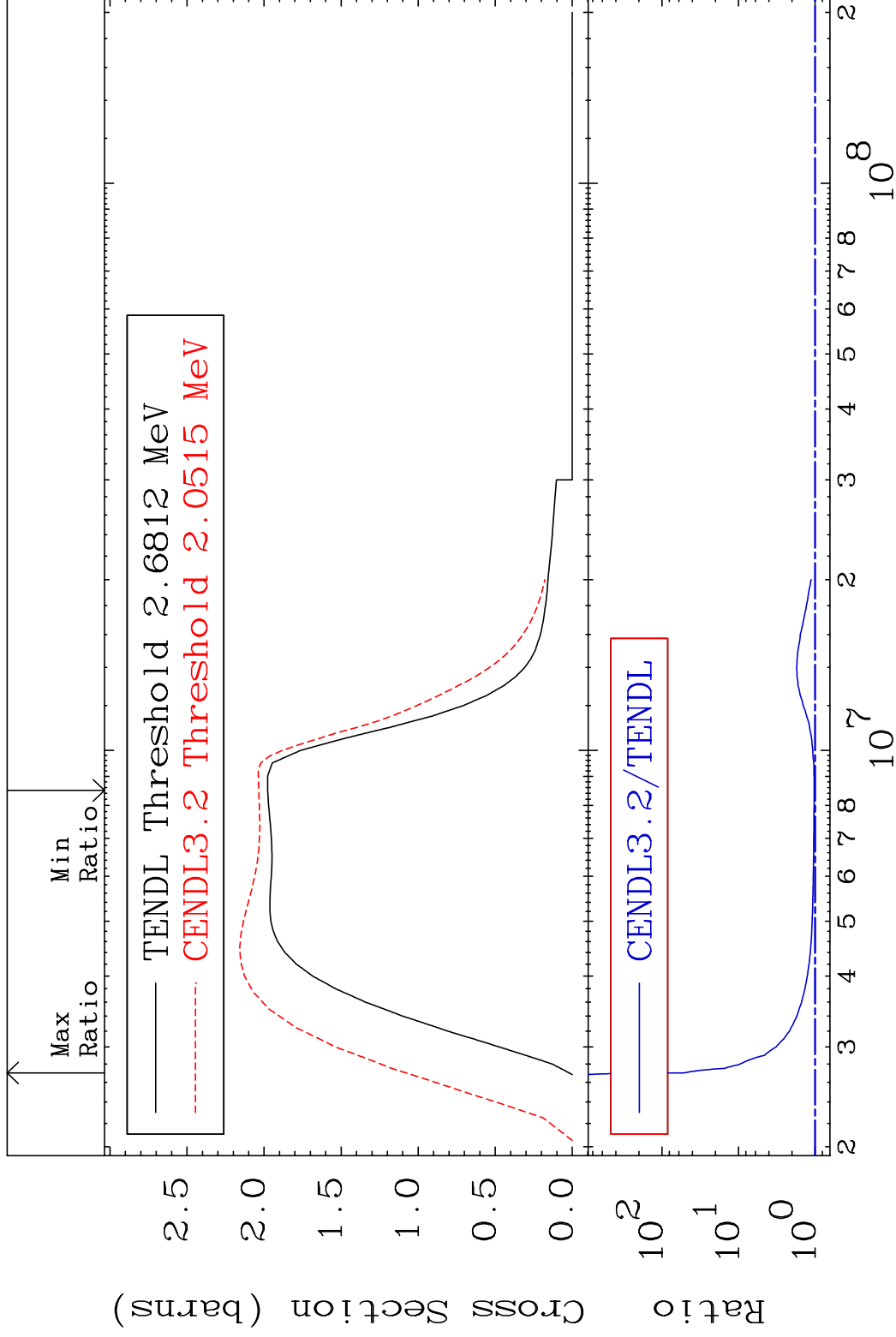
10 Incident Energy (eV) 56-Ba-136

MAT 5643

(n,n') Continuum

56-Ba-136

Cross Section 2.926 To 5099. %

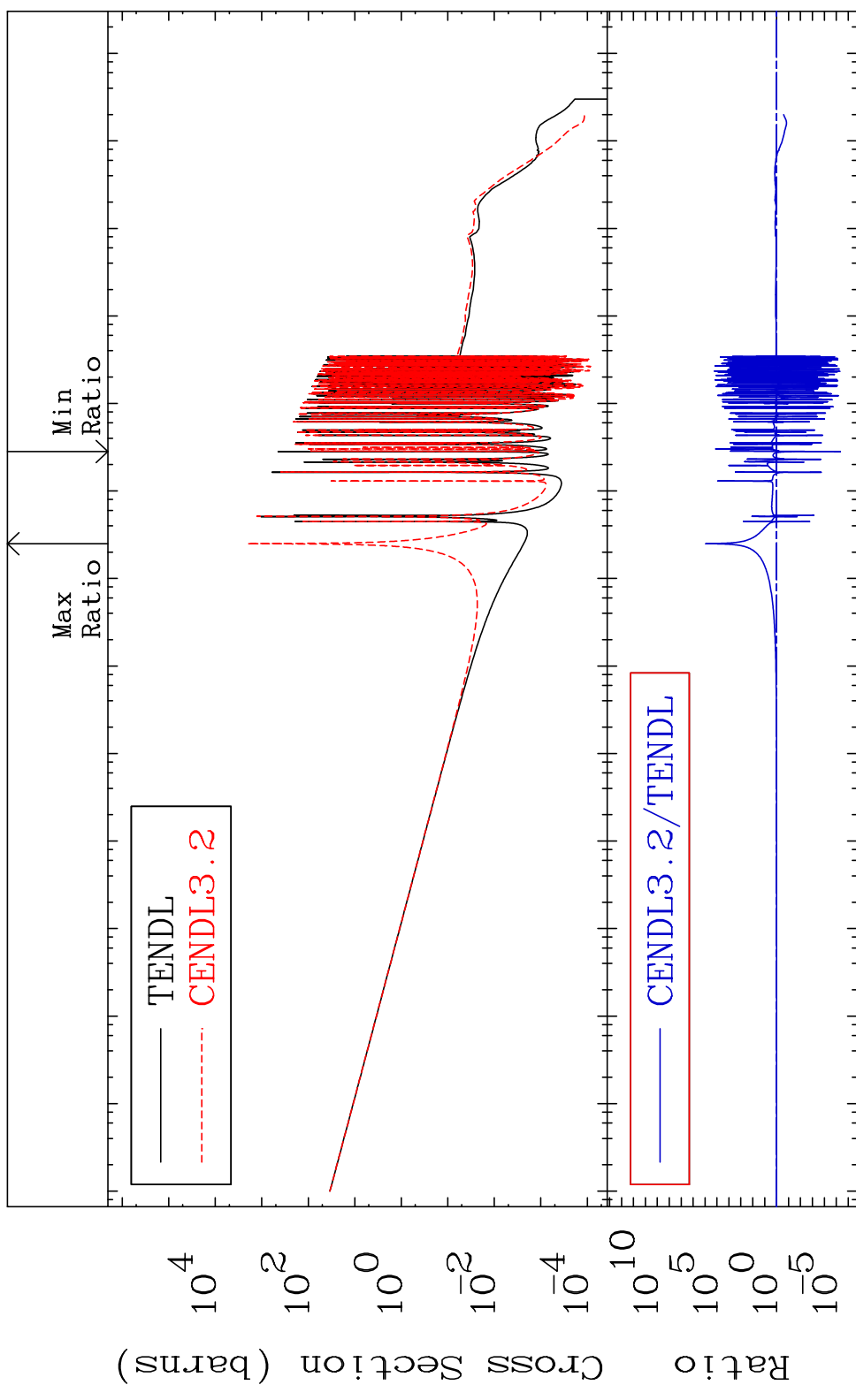


MAT 5643

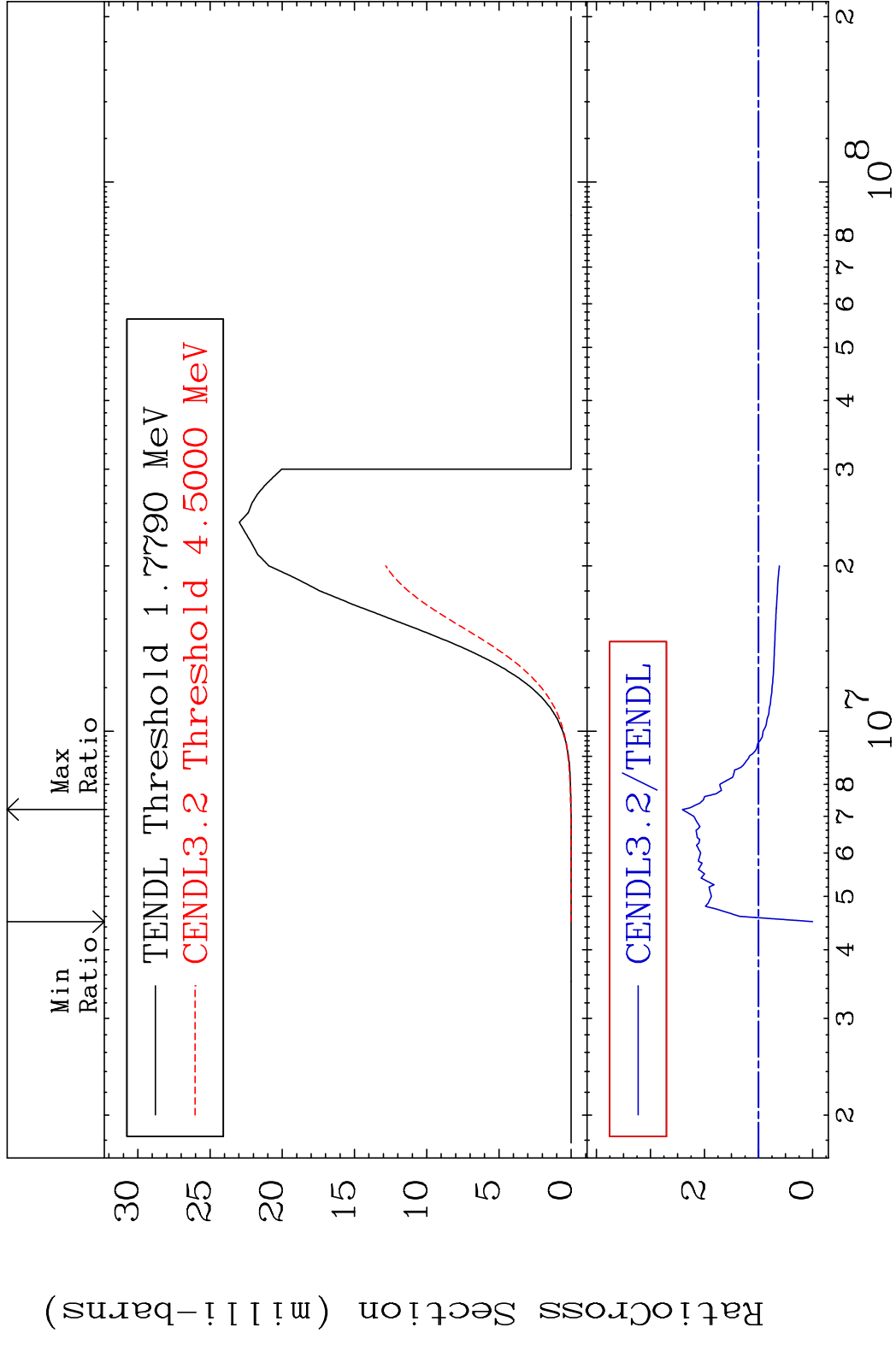
(n,  $\gamma$ )

56-Ba-136

Cross Section -100.0 To 9999. %



MAT 5643 (n,p) 56-Ba-136  
 Cross Section -100.0 To 141.0 %

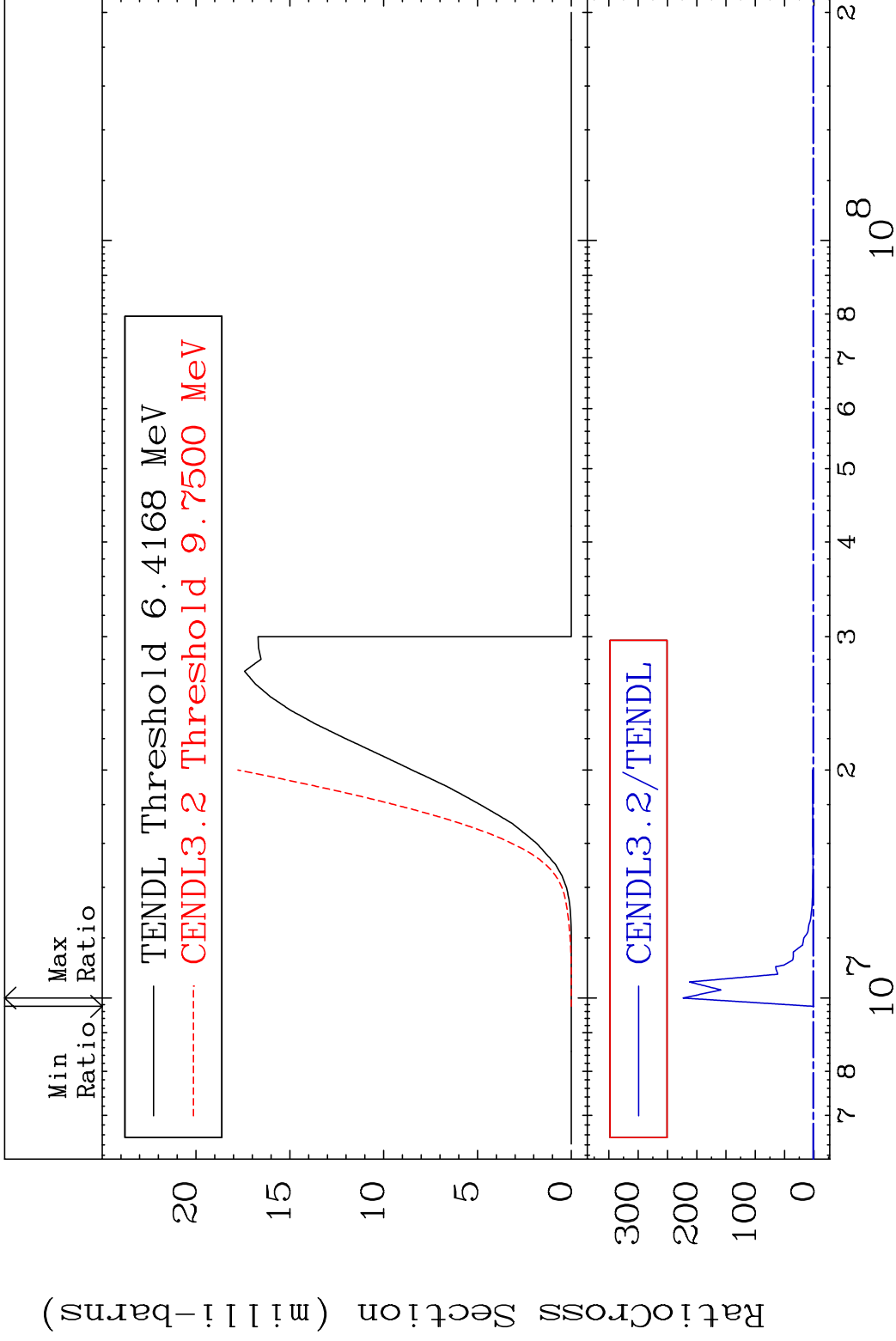


MAT 5643

(n, d)

56-Ba-136

Cross Section -100.0 To 9999. %

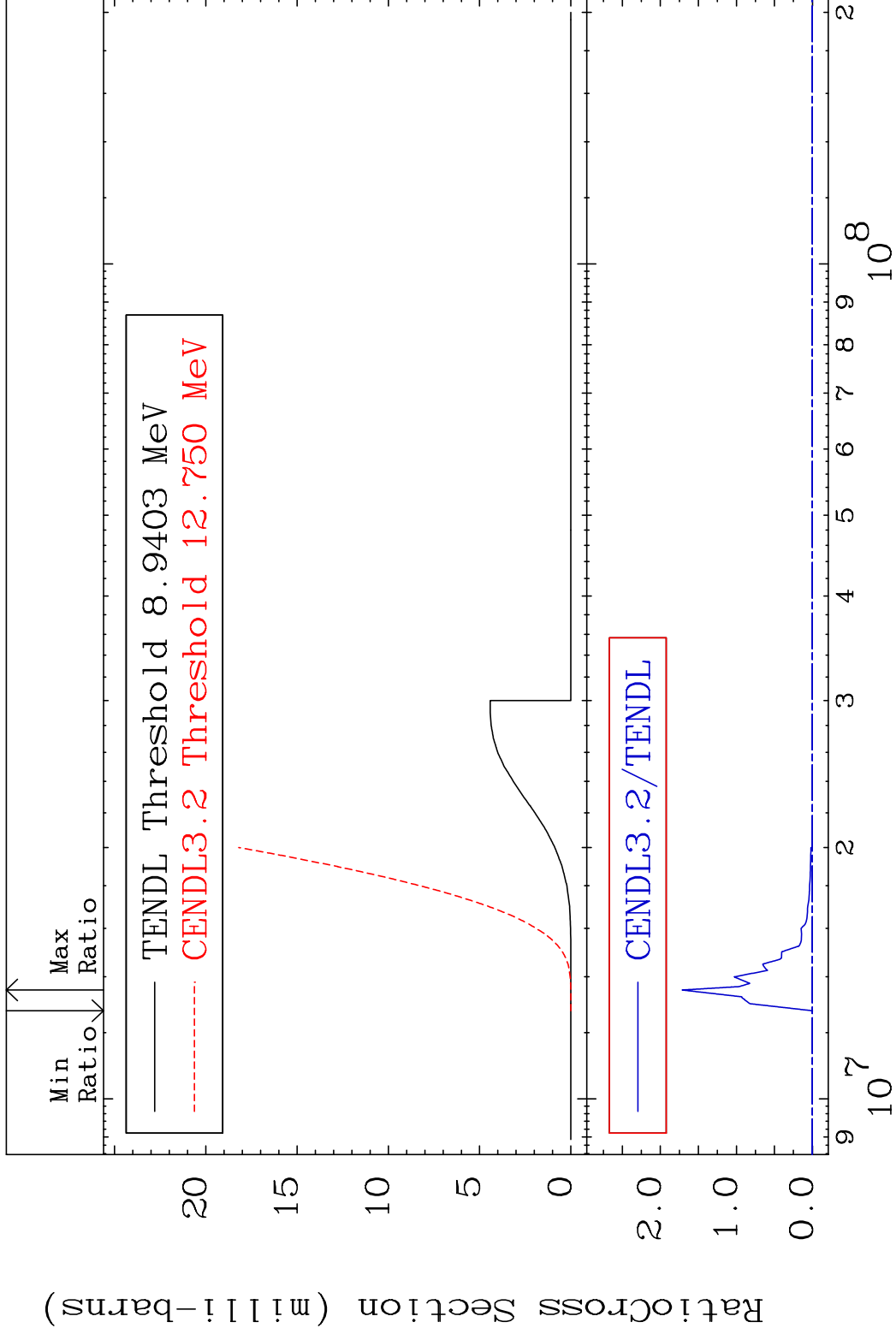


MAT 5643

(n, t)

56-Ba-136

Cross Section -100.0 To 9999. %



15

Incident Energy (eV)

56-Ba-136

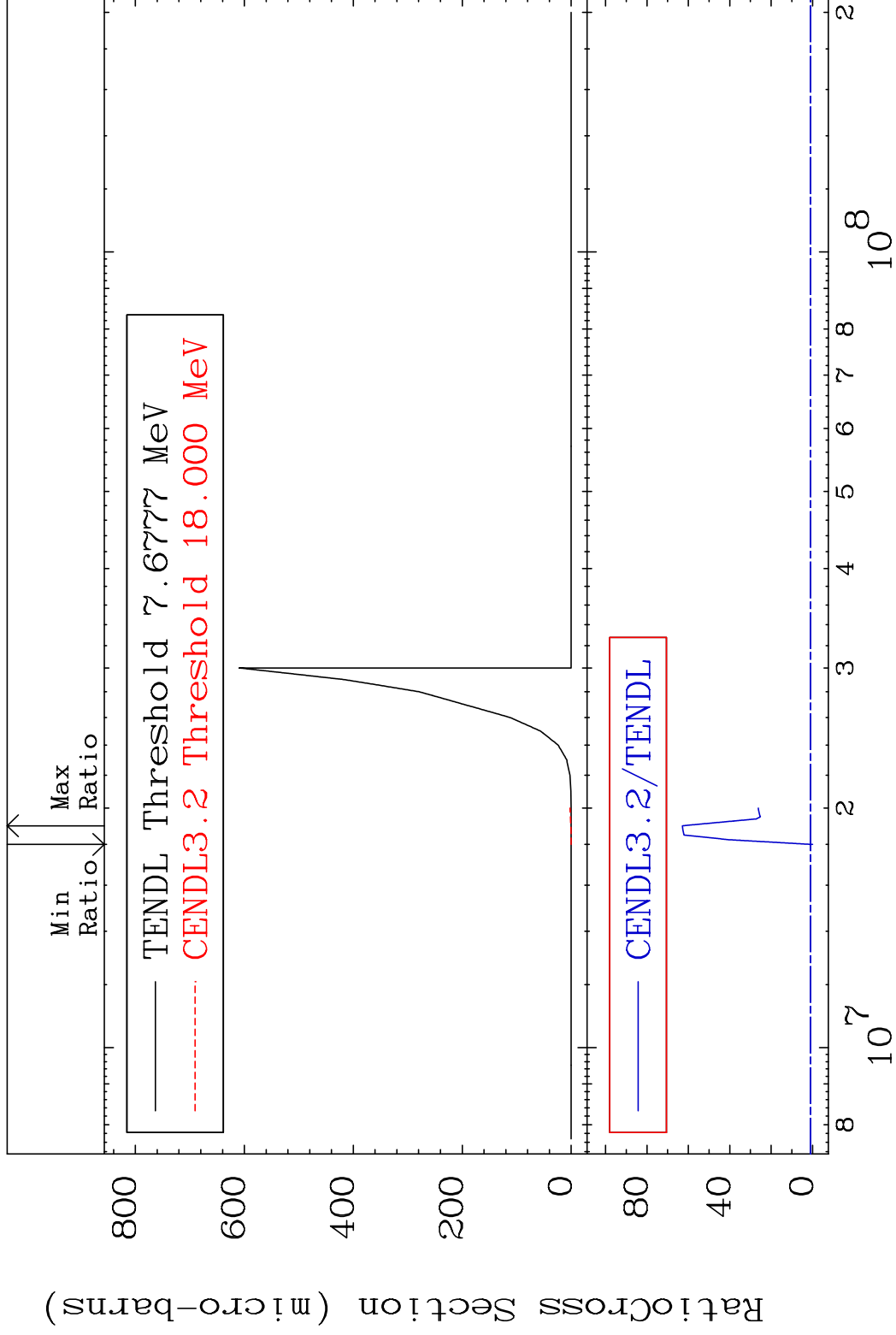


MAT 5643

(n, He-3)

56-Ba-136

Cross Section -100.0 To 6190. %



16

Incident Energy (eV)

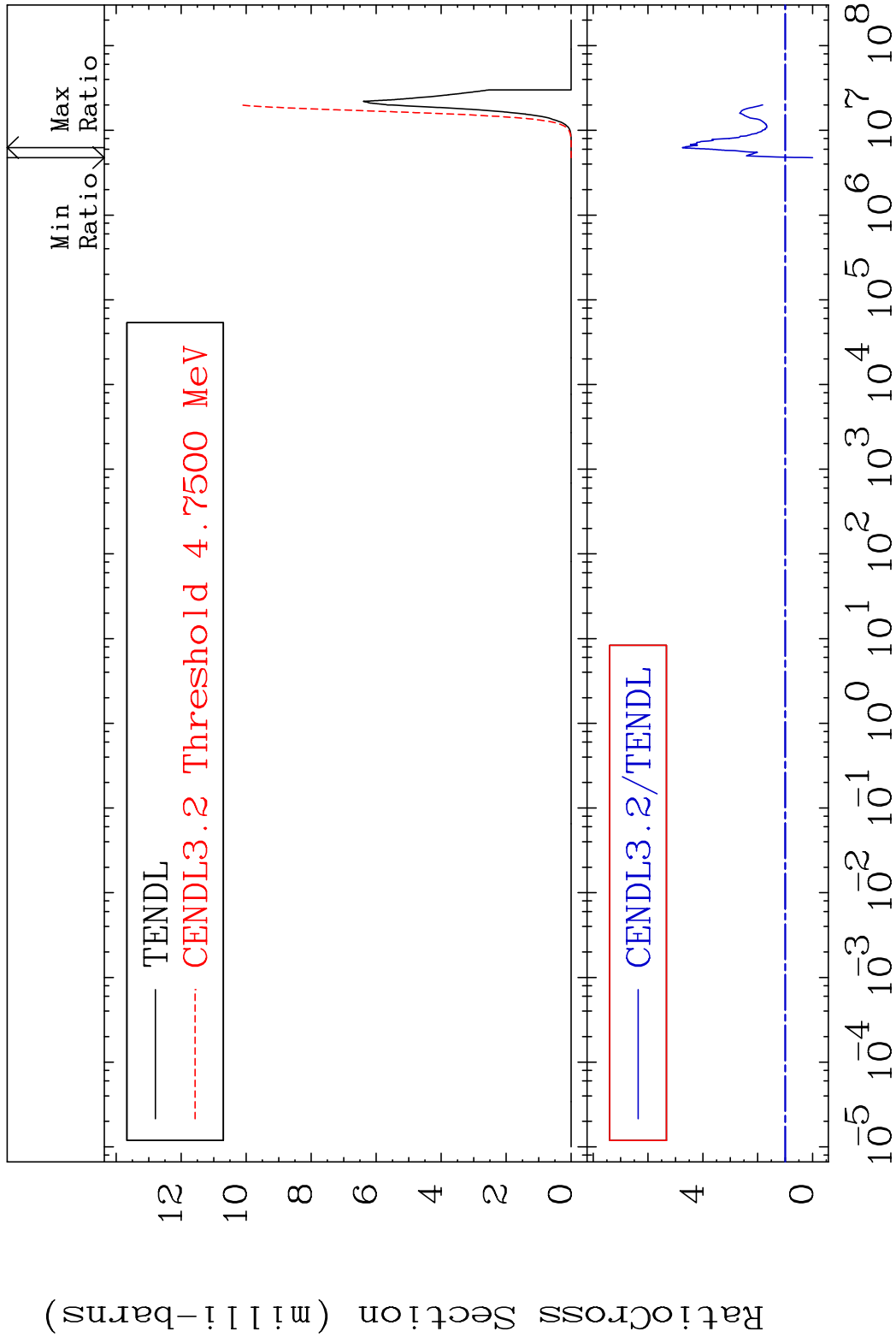
56-Ba-136

MAT 5643

(n,  $\alpha$ )

56-Ba-136

Cross Section -100.0 To 374.8 %



17

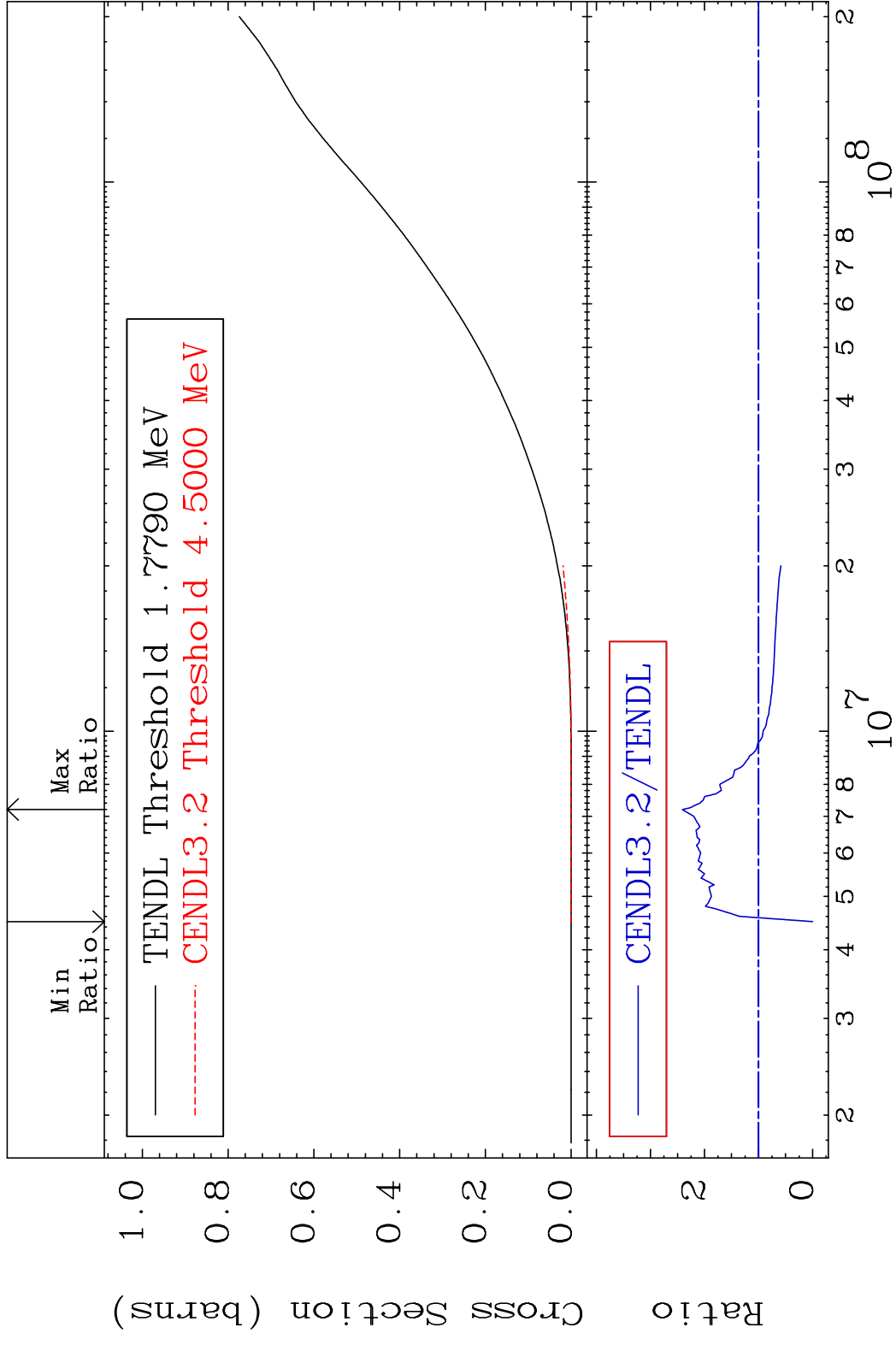
Incident Energy (eV)

56-Ba-136

MAT 5643

Hydrogen Production  
Cross Section -100.0 To 141.0 %

56-Ba-136



18

Incident Energy (eV)

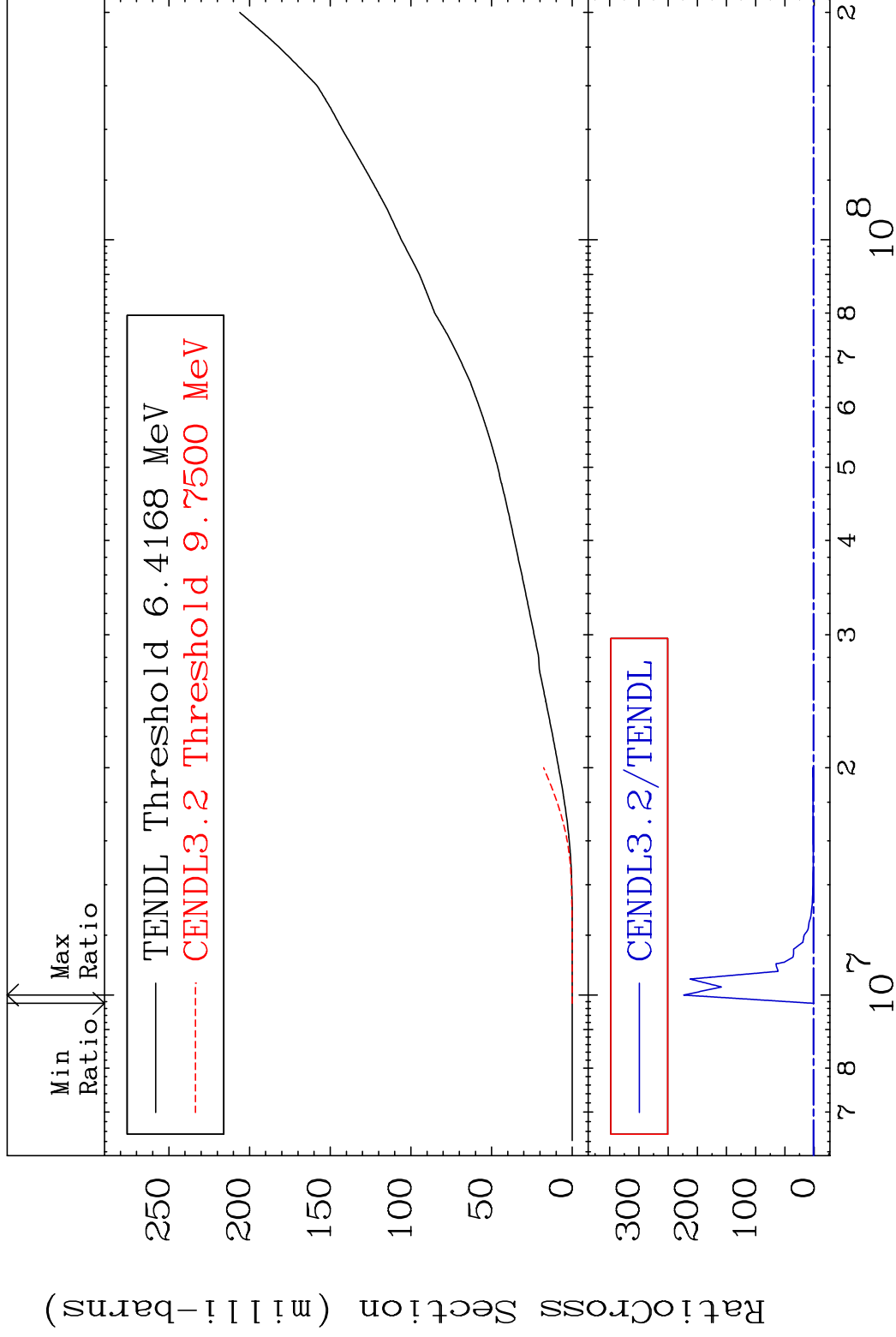
56-Ba-136

MAT 5643

Deuterium Production

56-Ba-136

Cross Section -100.0 To 9999. %



19

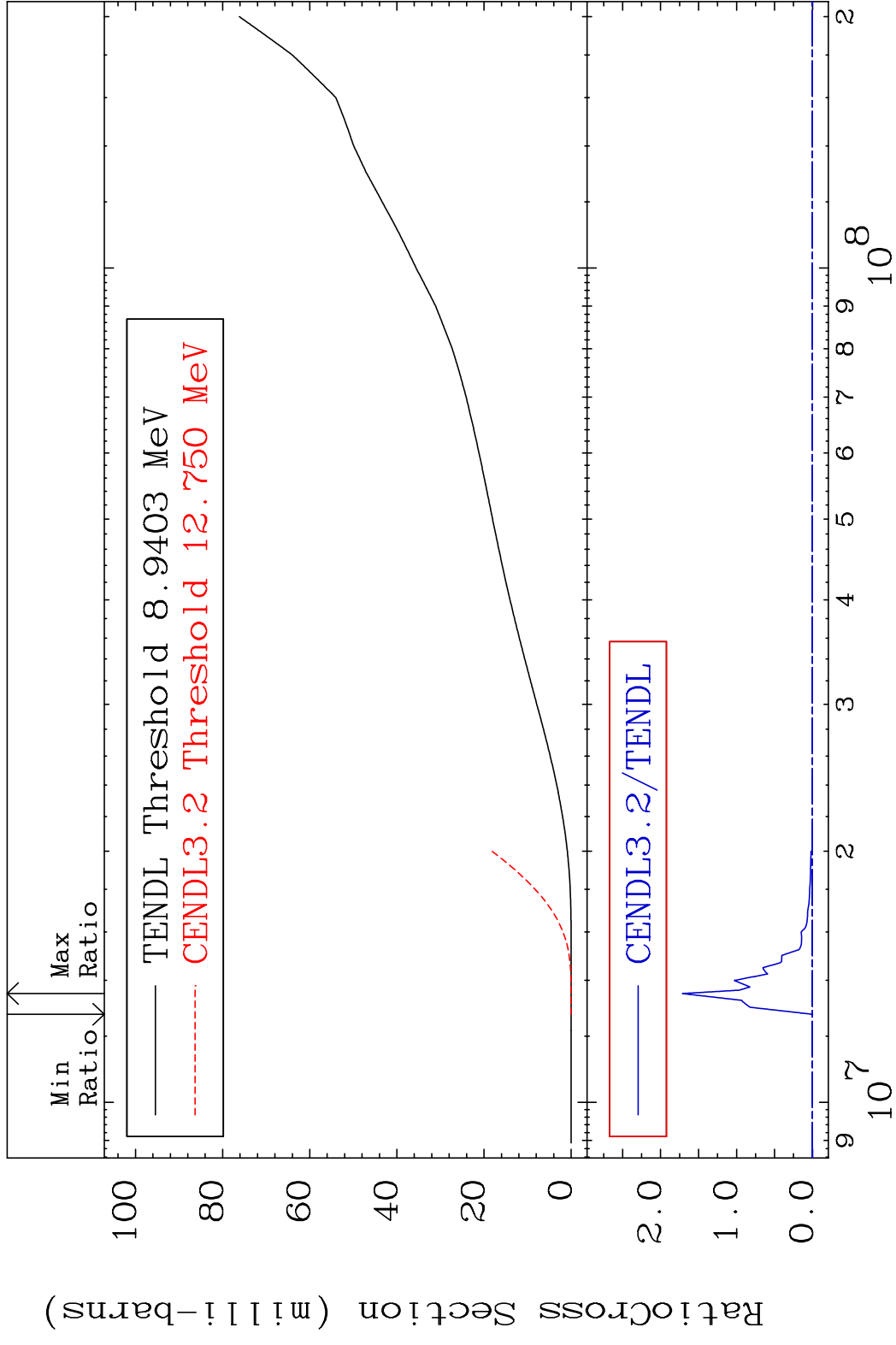
Incident Energy (eV)

56-Ba-136

MAT 5643

Tritium Production 56-Ba-136

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

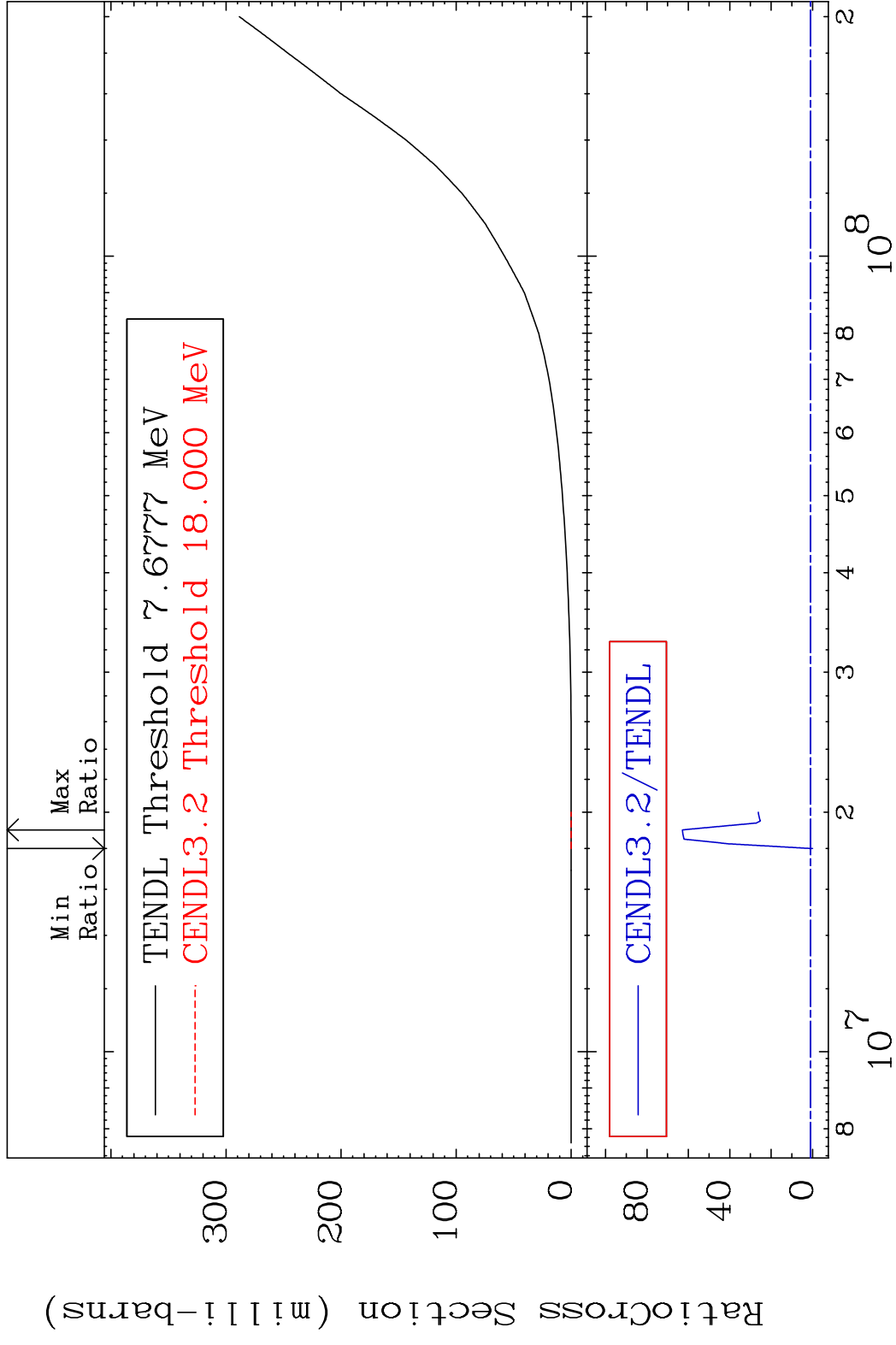
56-Ba-136

MAT 5643

He-3 Production

56-Ba-136

Cross Section -100.0 To 6190. %

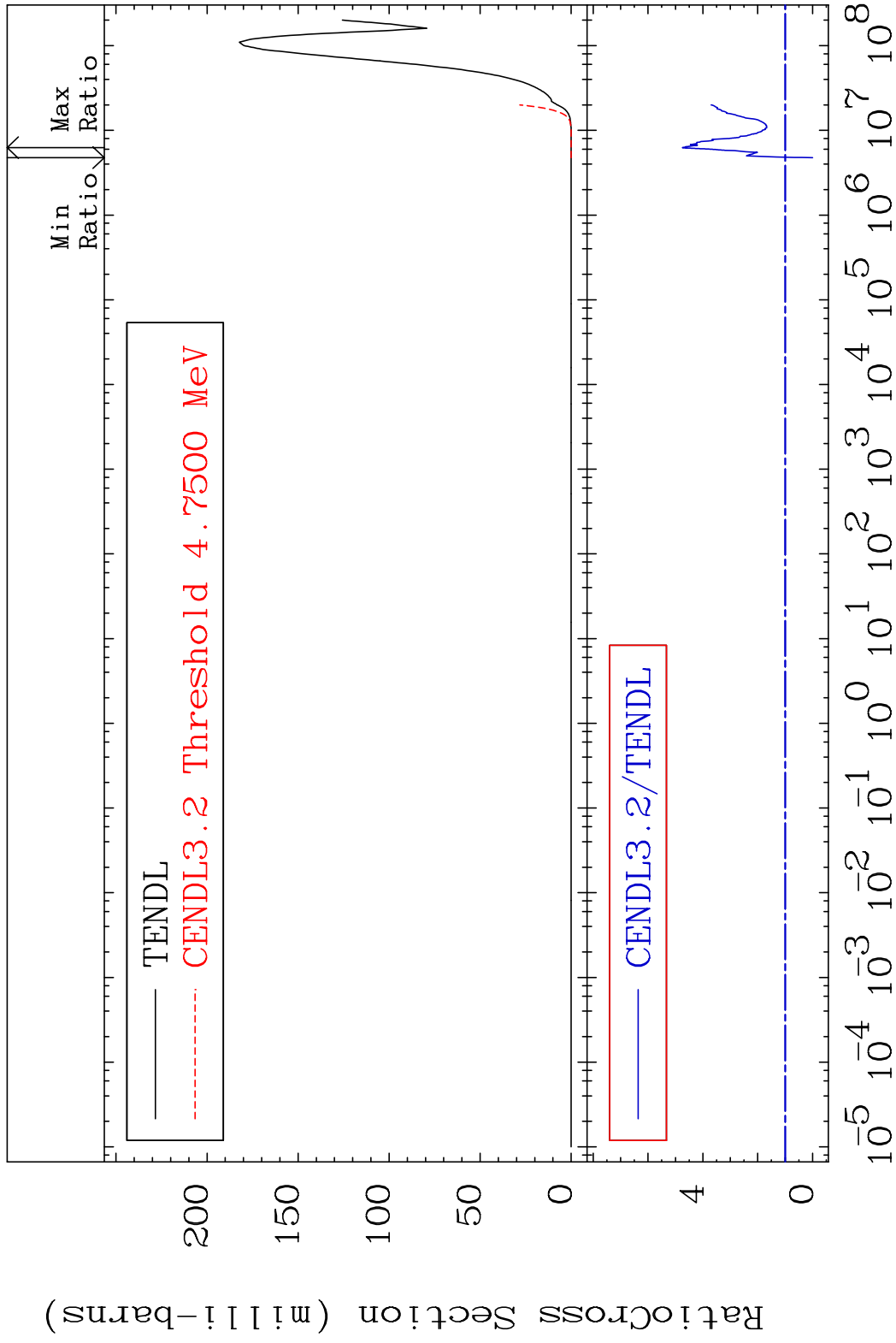


MAT 5643

He-4 Production

56-Ba-136

Cross Section -100.0 To 374.8 %

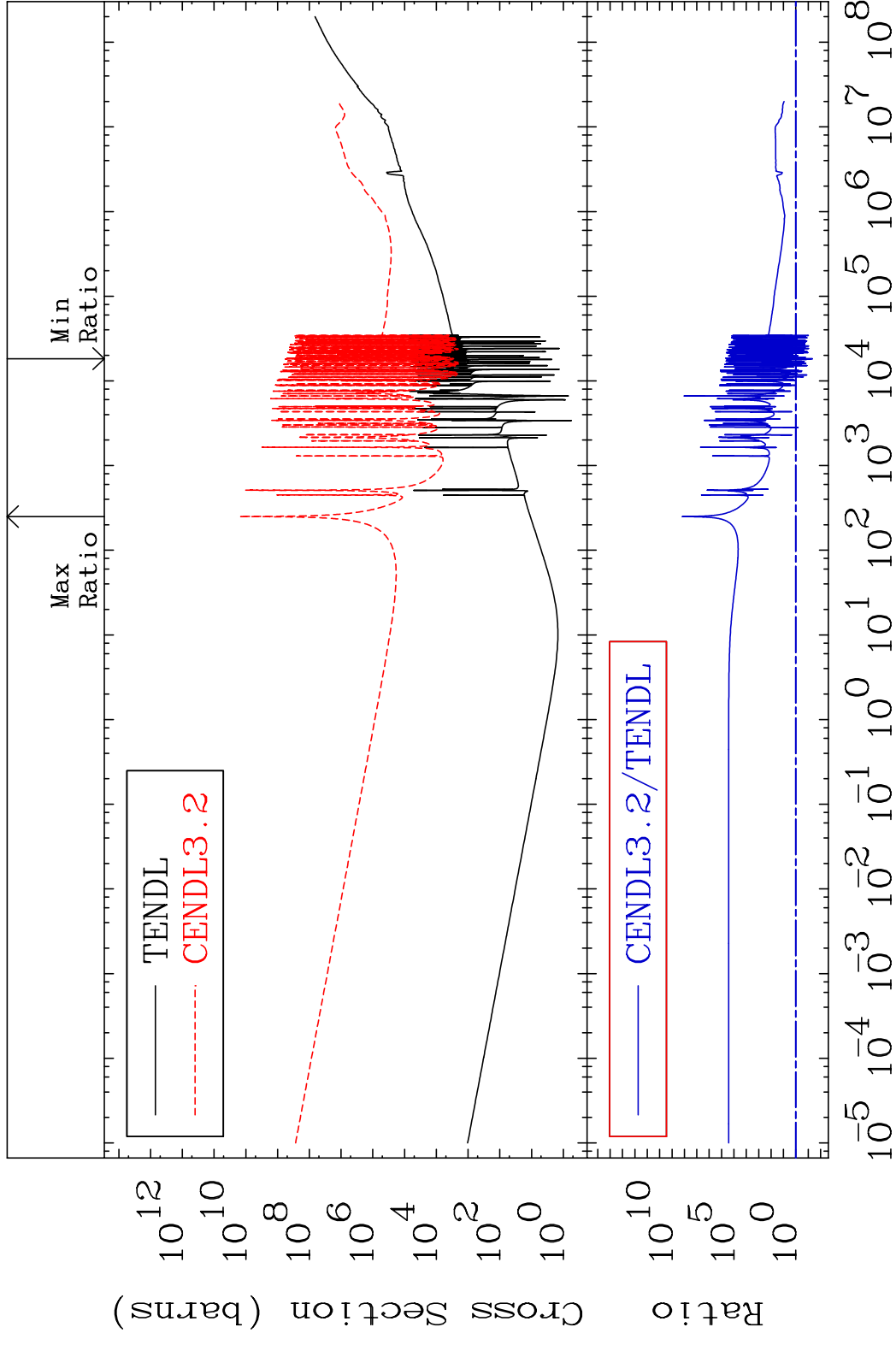


22

Incident Energy (eV)

56-Ba-136

MAT 5643 Kerma total (eV-barns) 56-Ba-136  
 Cross Section -95.54 To 9999. %

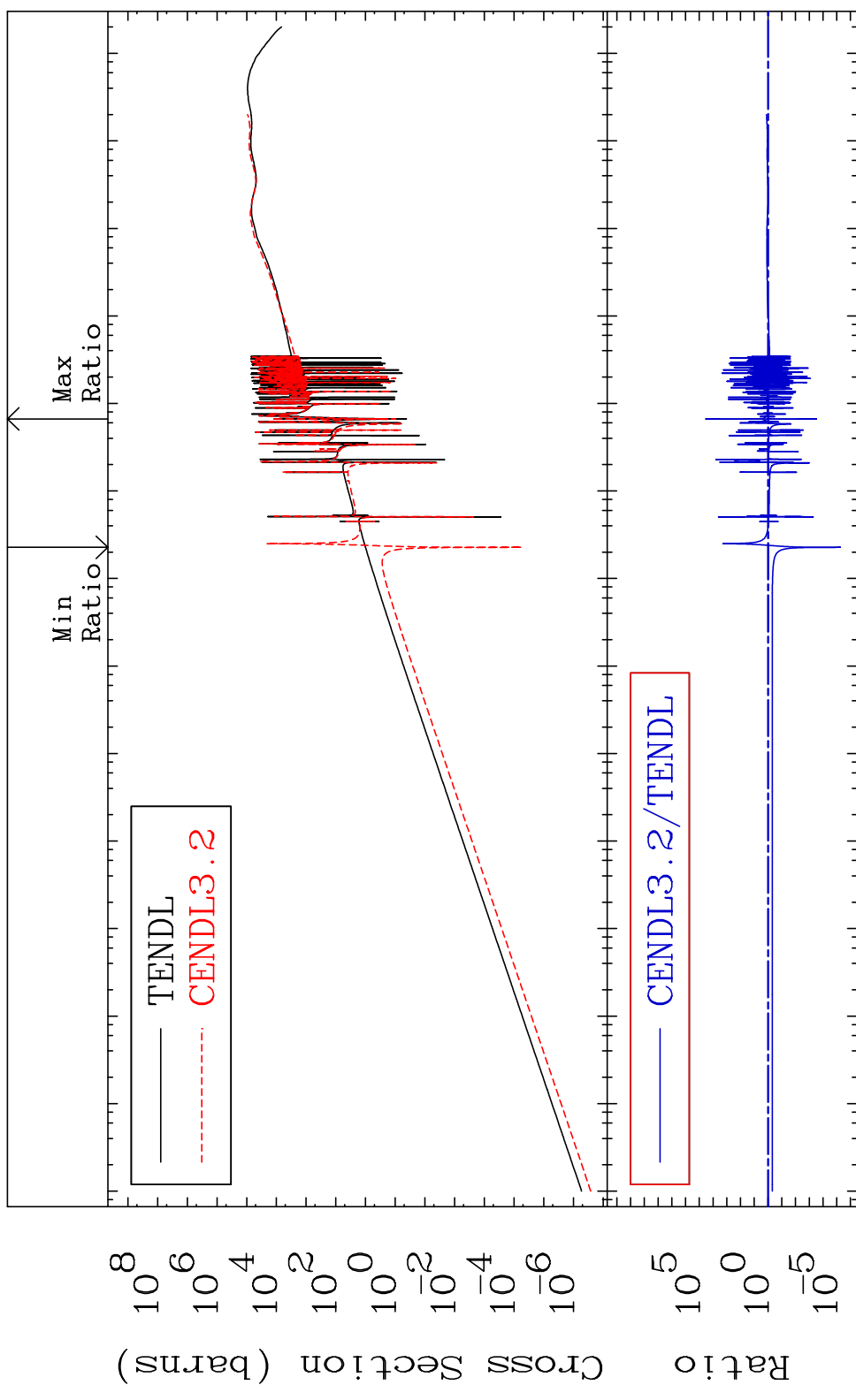




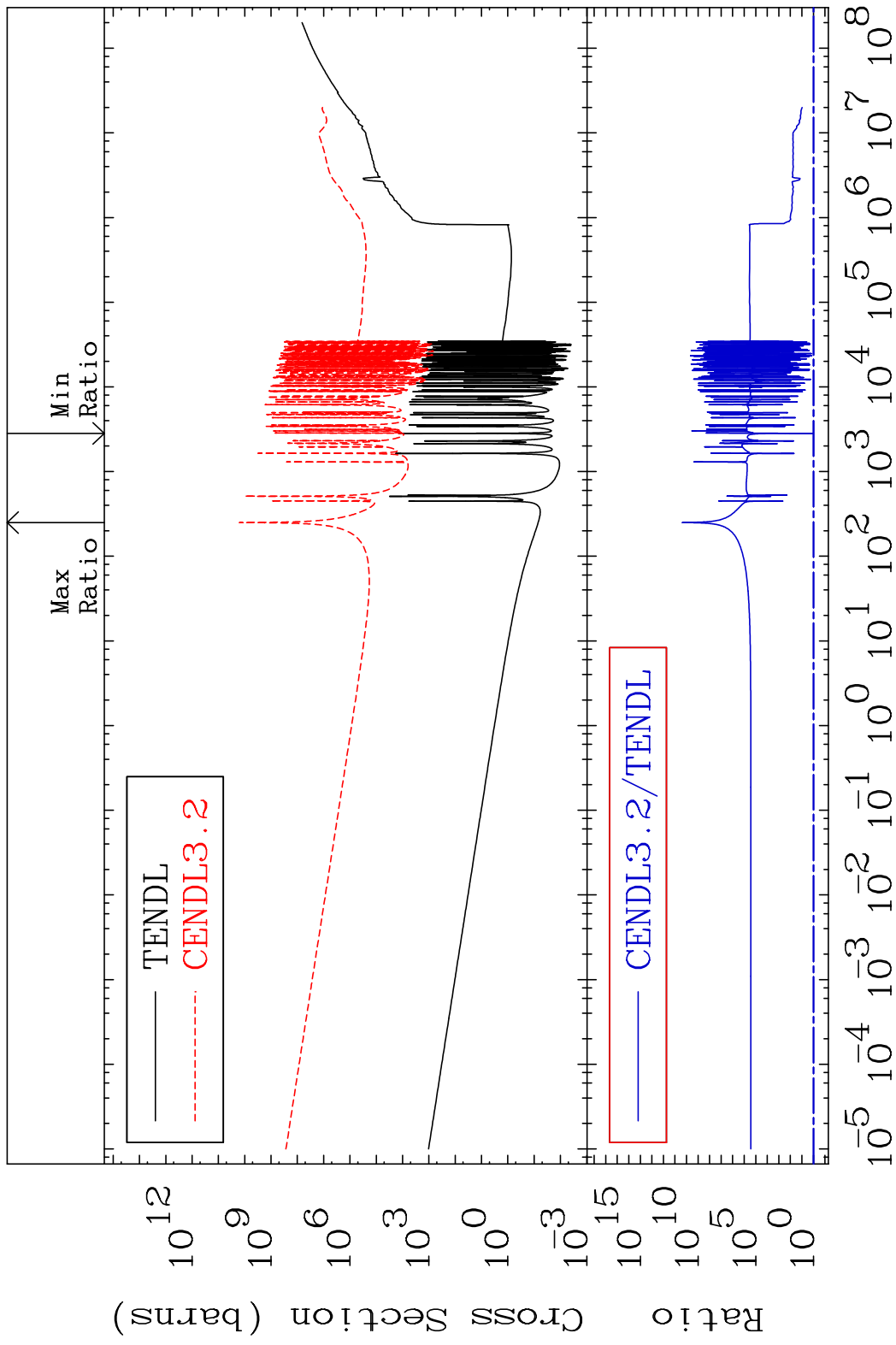
MAT 5643

Kerma elastic  
Cross Section -100.0 To 9999. %

56-Ba-136

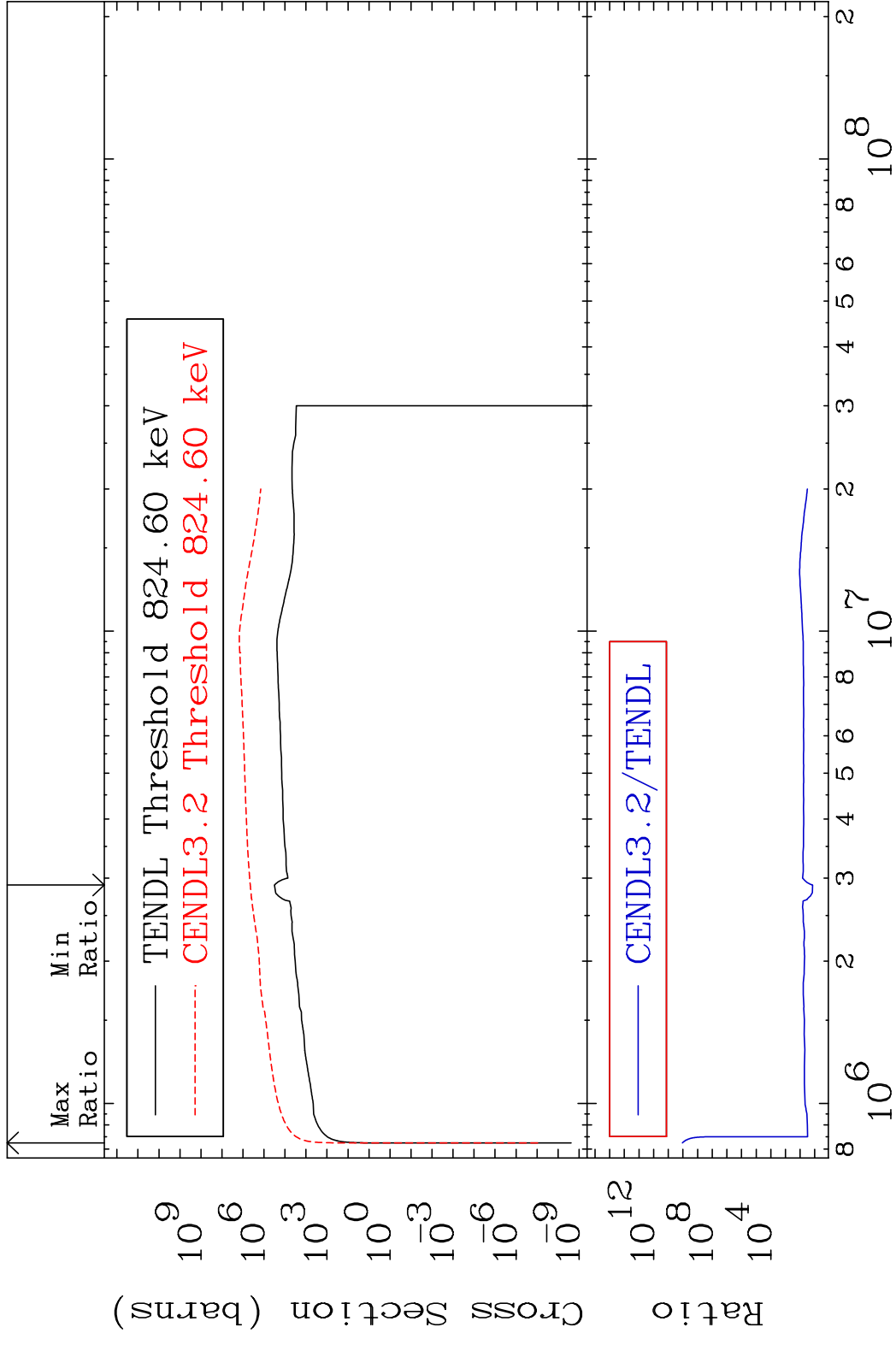


MAT 5643 Kerma non-elastic (all but mt2) 56-Ba-136  
 Cross Section 19.15 To 9999. %

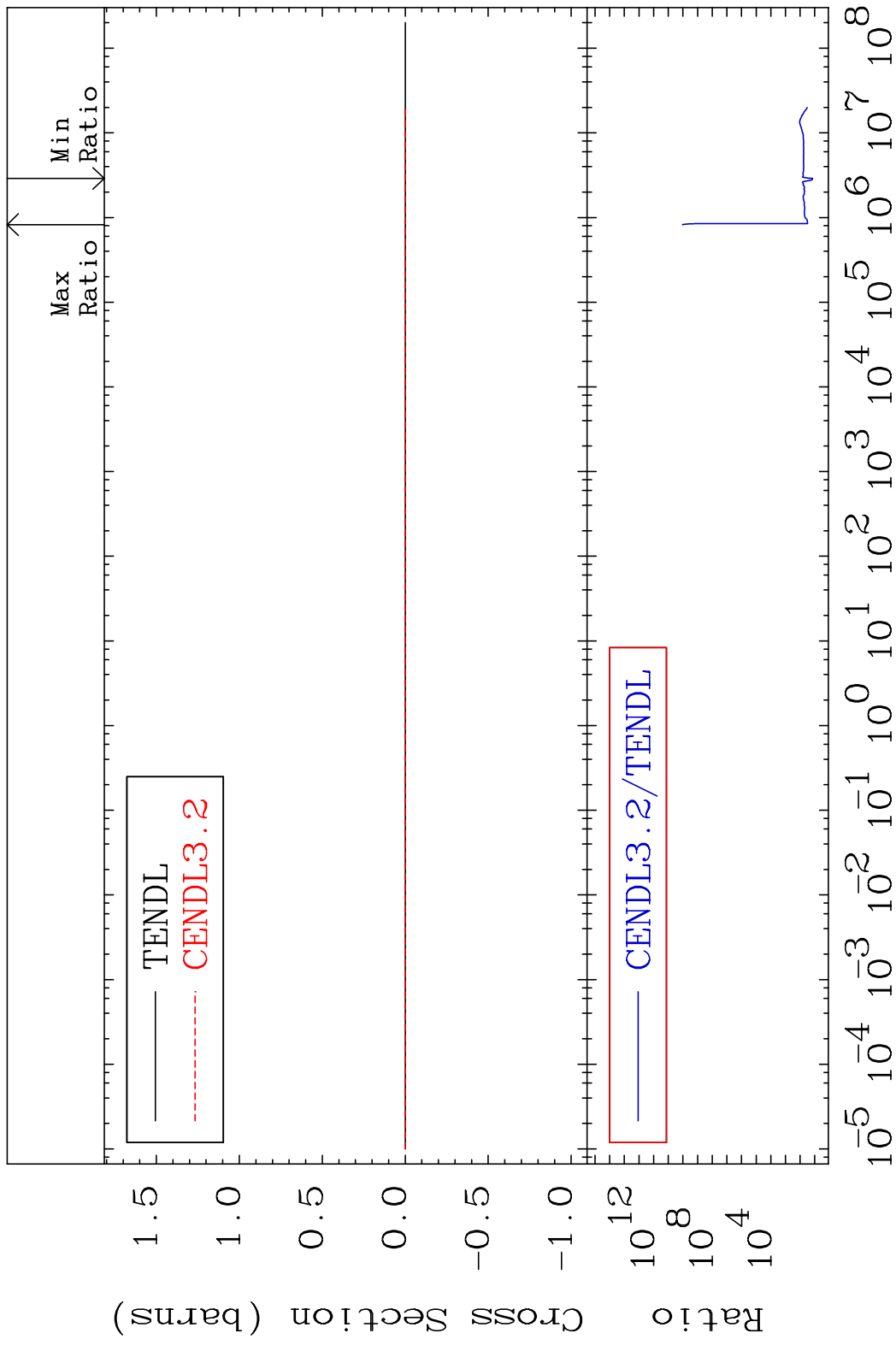


25 Incident Energy (eV) 56-Ba-136

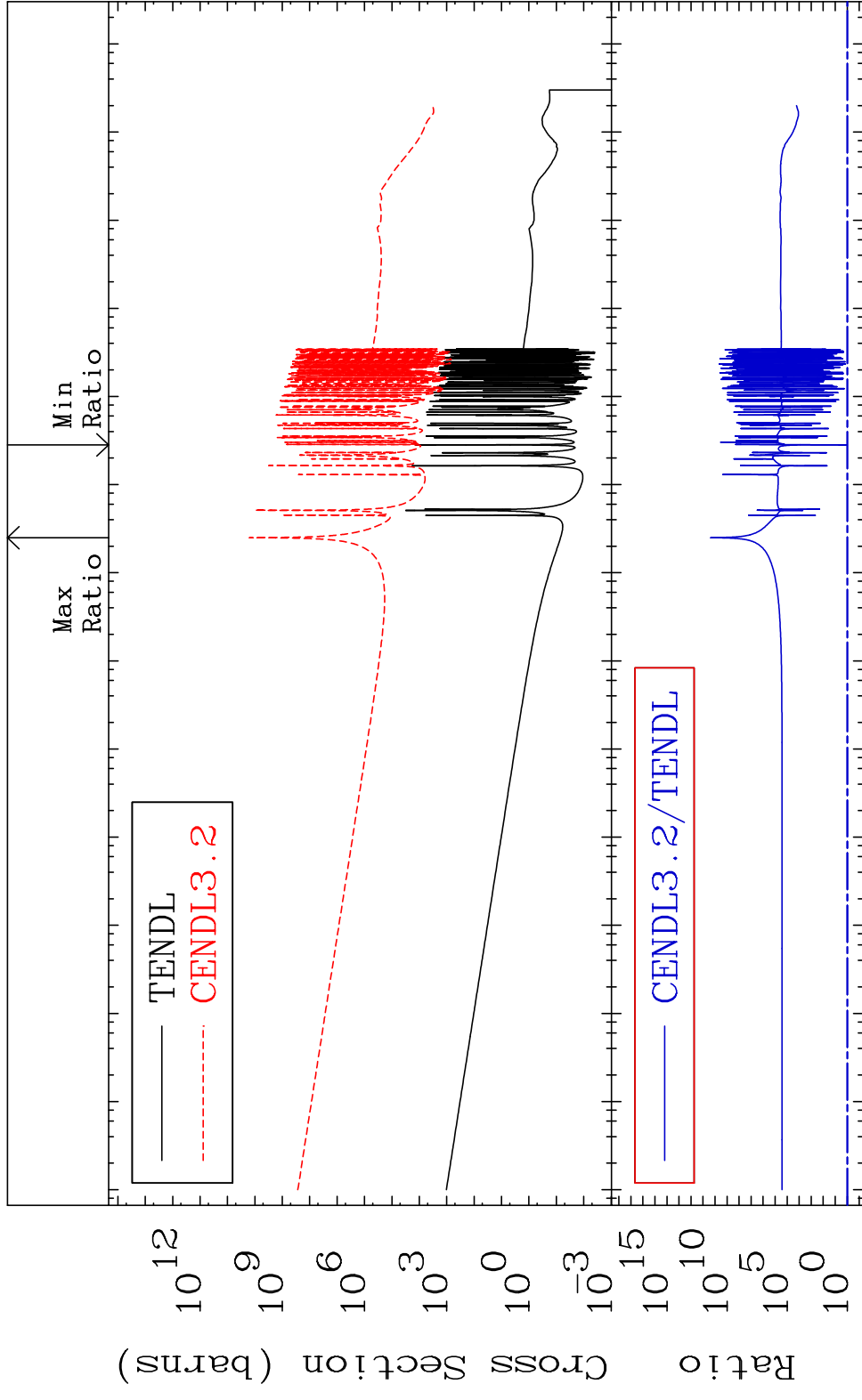
MAT 5643 Kerma inelastic (mt51-91) 56-Ba-136  
 Cross Section 1312. To 9999. %



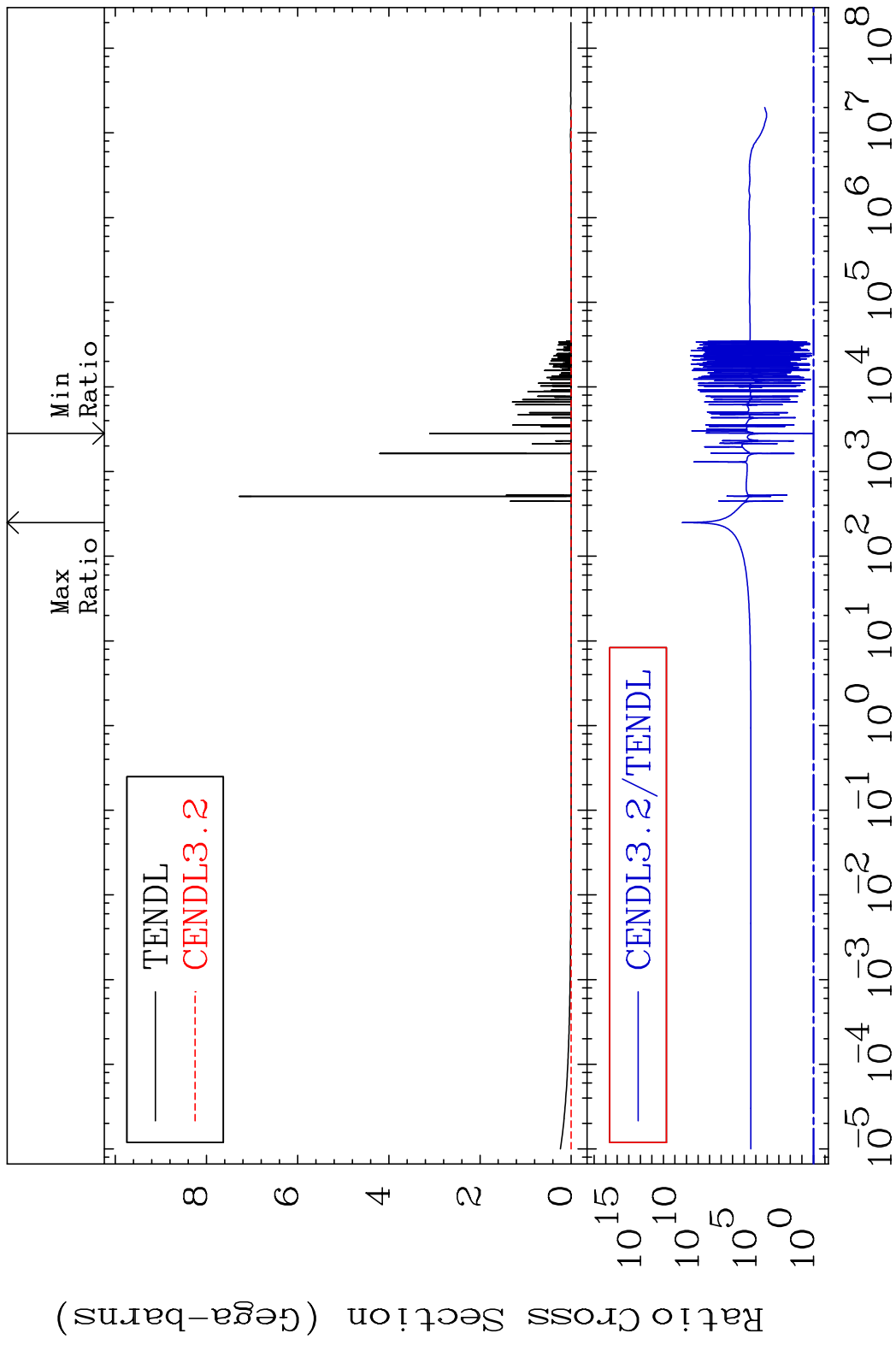
MAT 5643 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-136  
 Cross Section 1312. To 9999. %



MAT 5643 Kerma capture (mt102) 56-Ba-136  
 Cross Section 19.15 To 9999. %

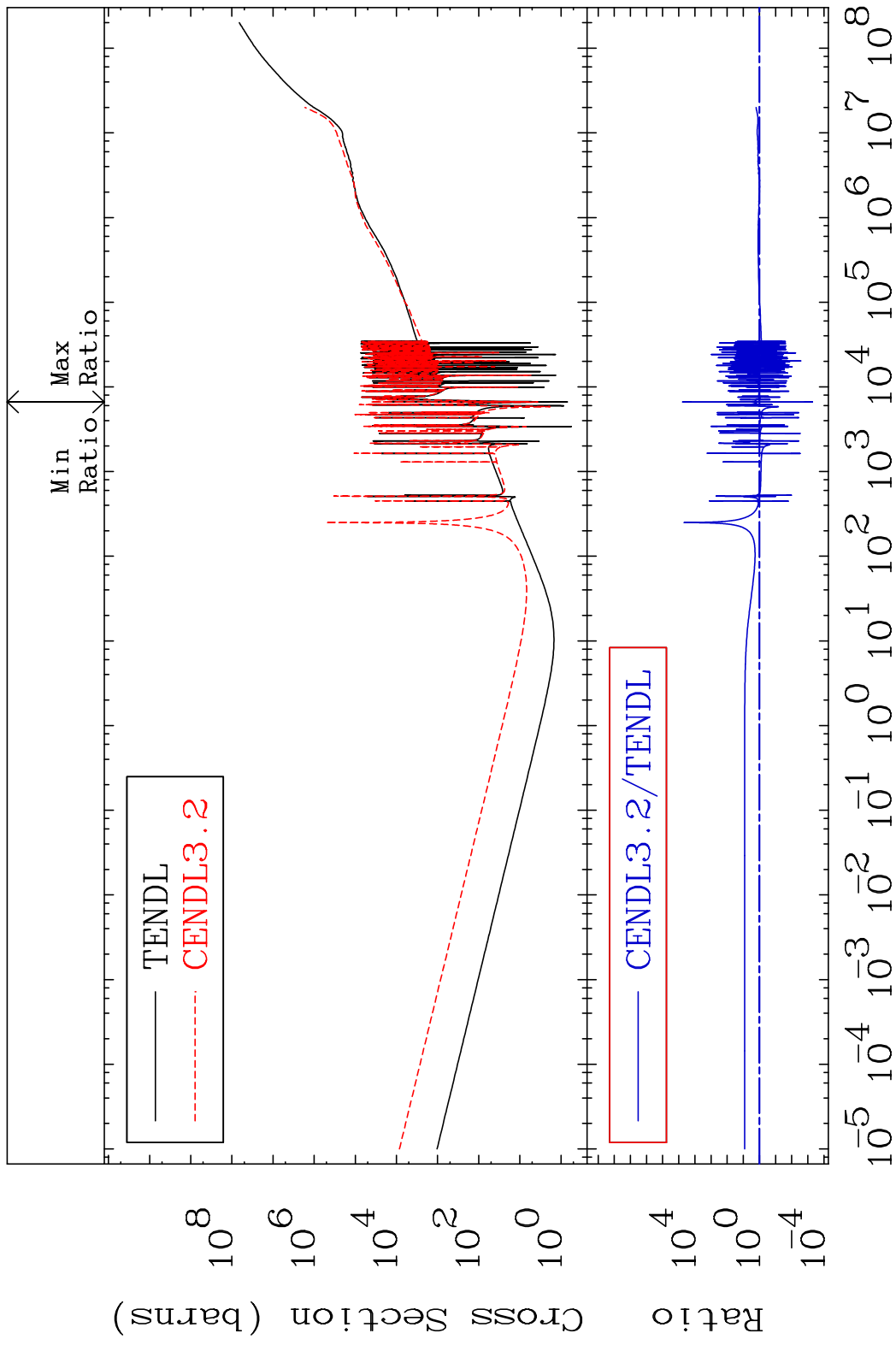


MAT 5643 Total photon (eV-barns) 56-Ba-136  
 Cross Section 19.15 To 9999. %

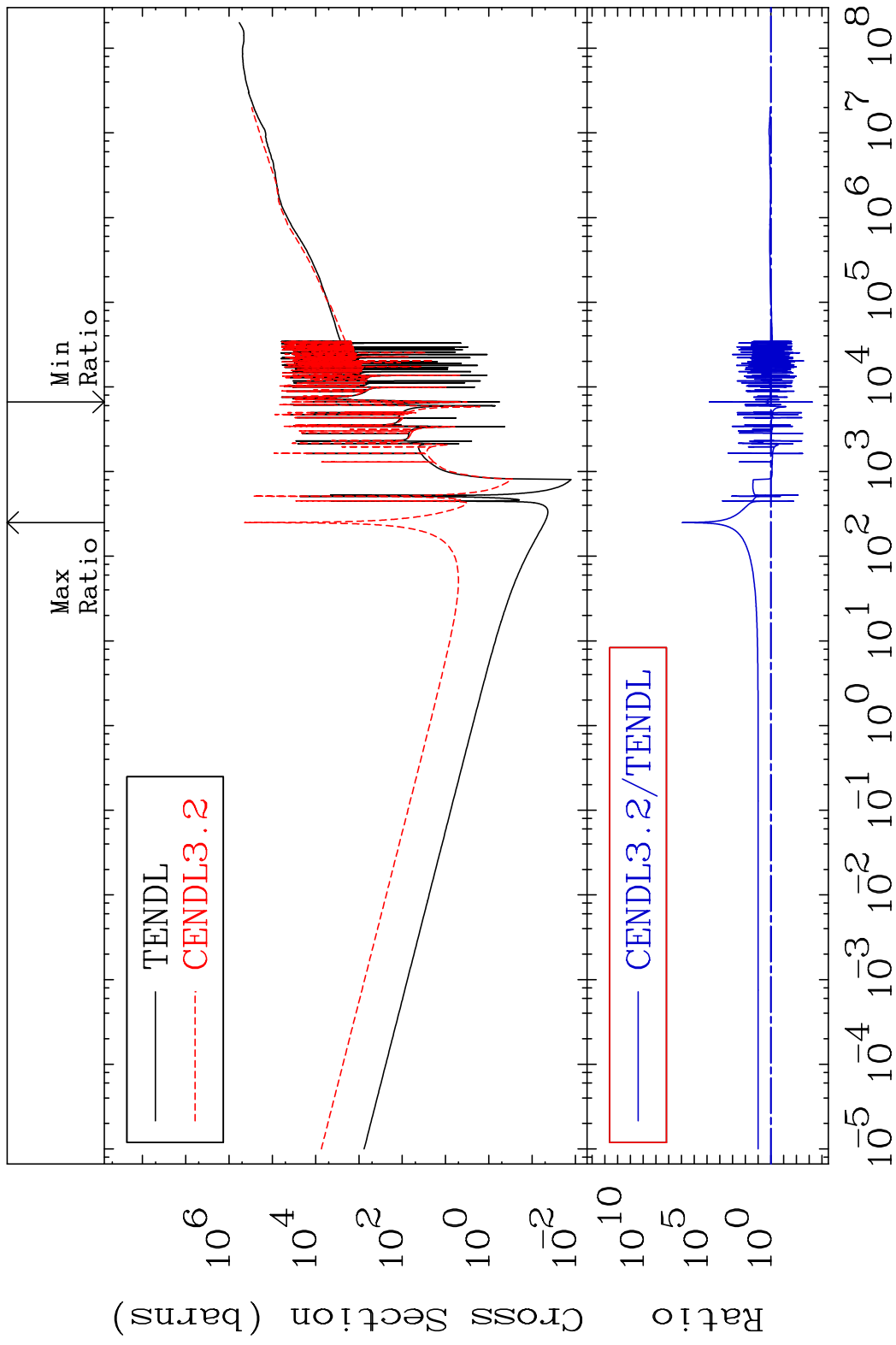


29 Incident Energy (eV) 56-Ba-136

MAT 5643 Total kinematic kerma (high limit) 56-Ba-136  
 Cross Section -99.95 To 9999. %



MAT 5643      Dpa total (eV-barns)      56-Ba-136  
 Cross Section      -99.95 To 9999. %



31      Incident Energy (eV)      56-Ba-136

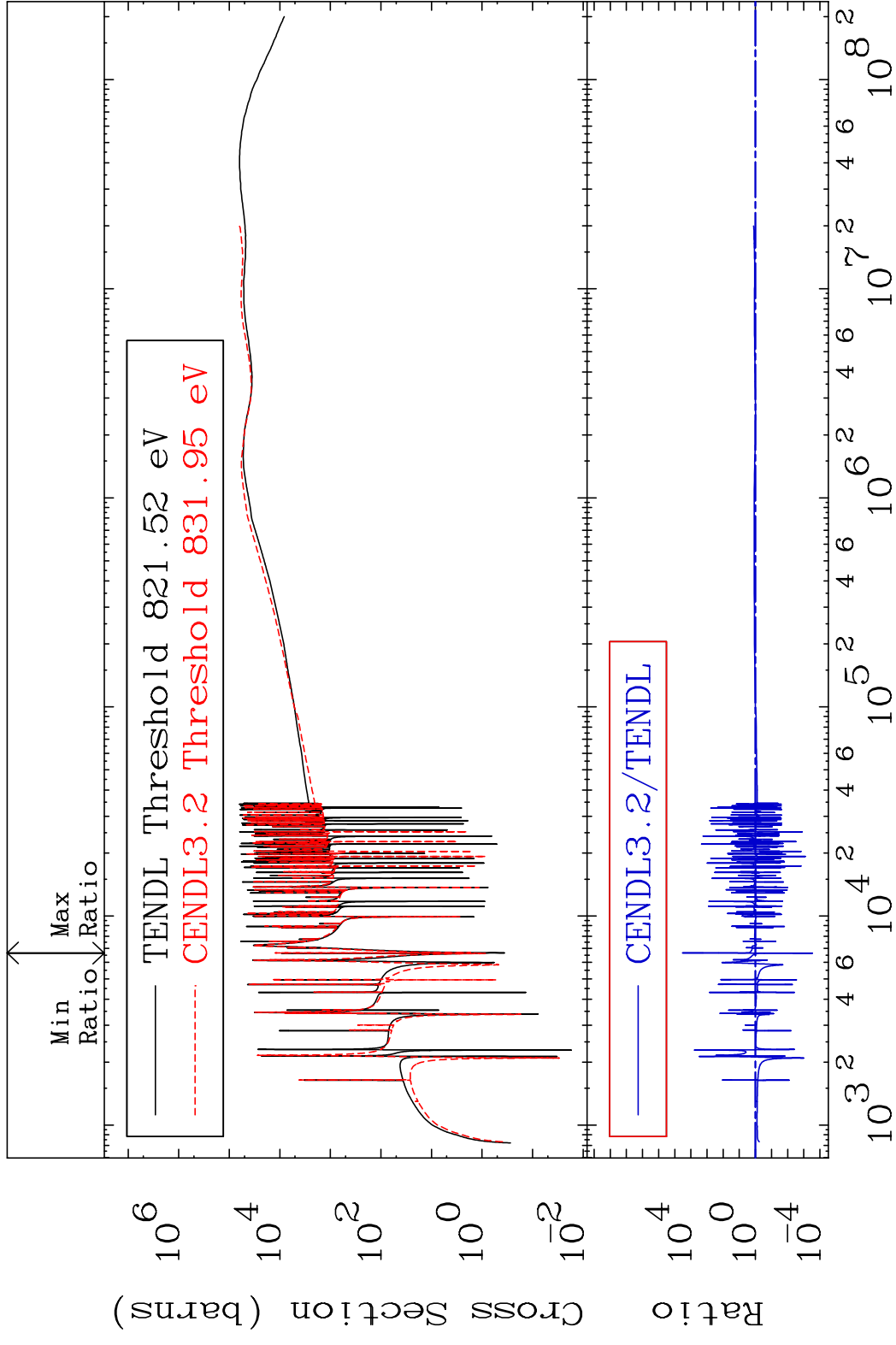


MAT 5643

Dpa elastic (mt2)

56-Ba-136

Cross Section -99.97 To 9999. %

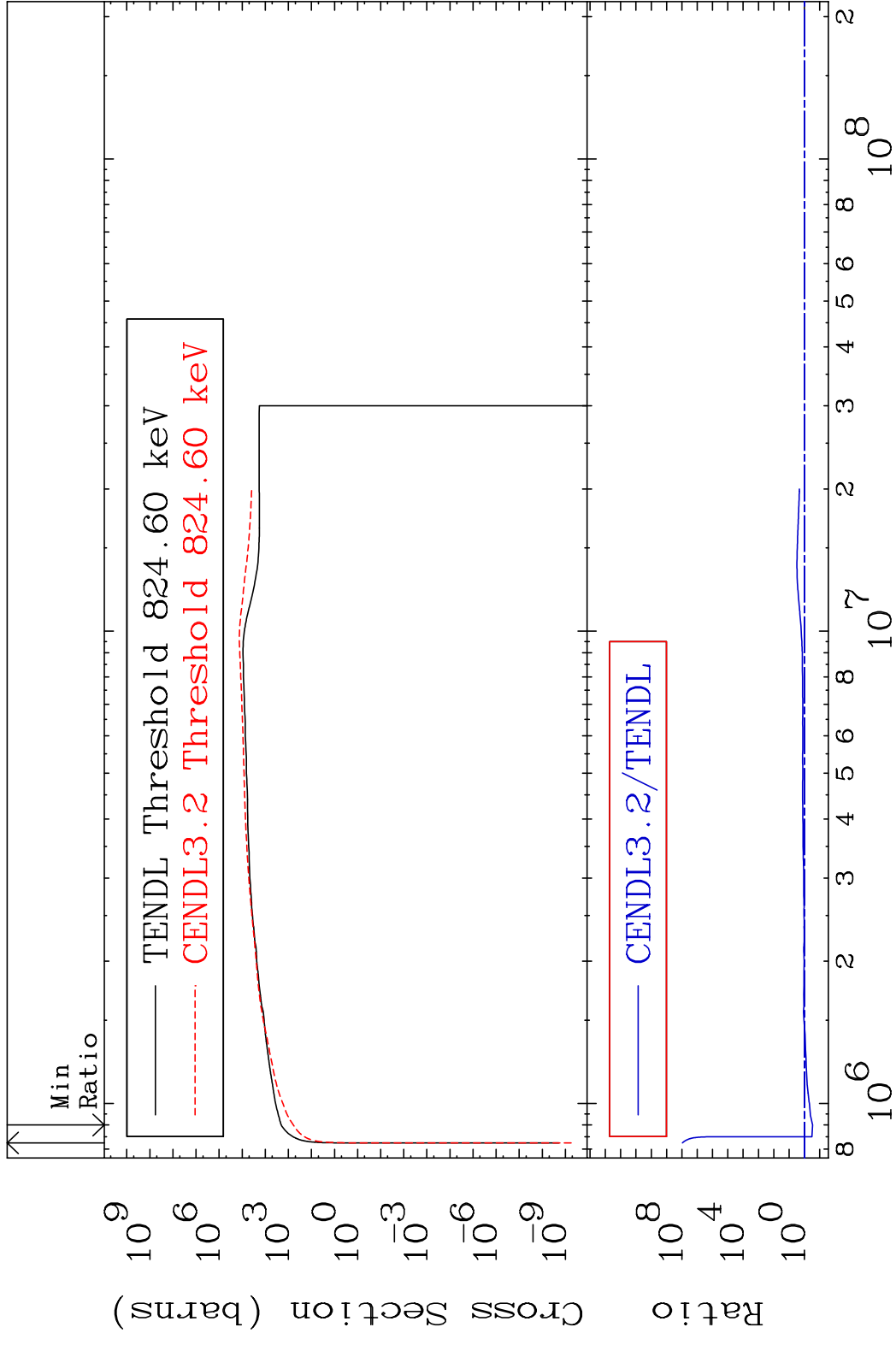


32

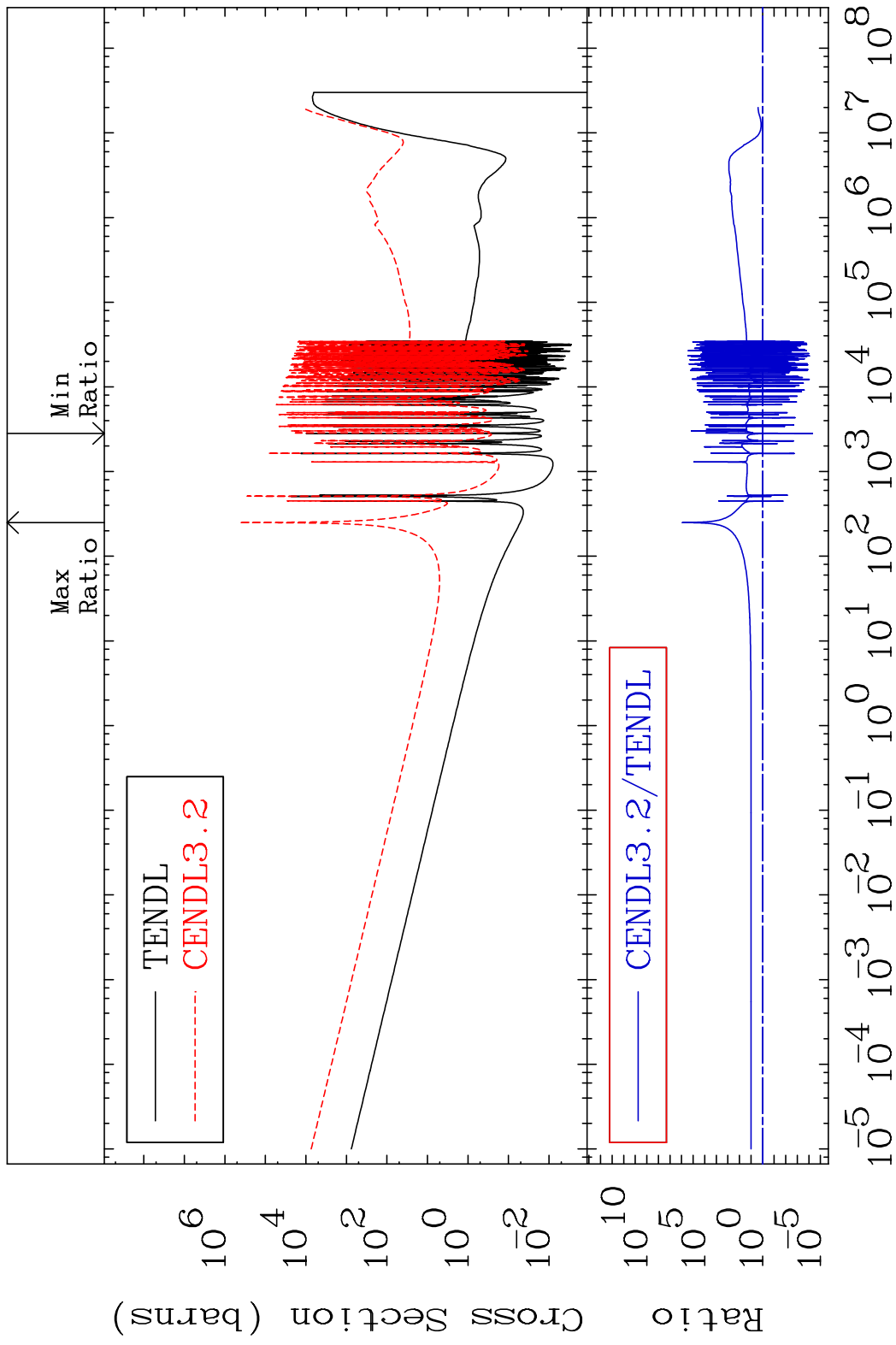
Incident Energy (eV)

56-Ba-136

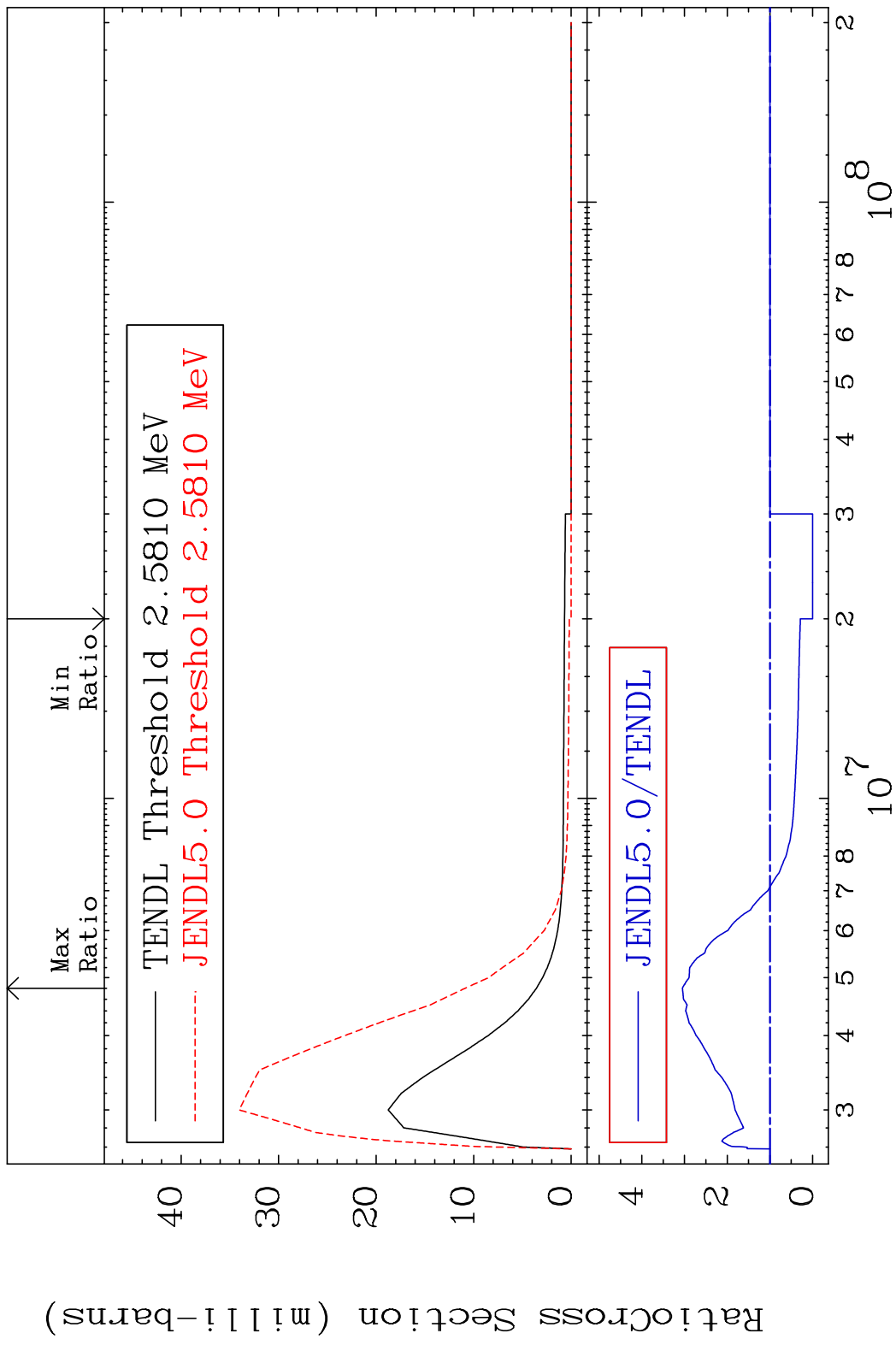
MAT 5643 Dpa inelastic (mt51-91) 56-Ba-136  
 Cross Section -70.60 To 9999. %



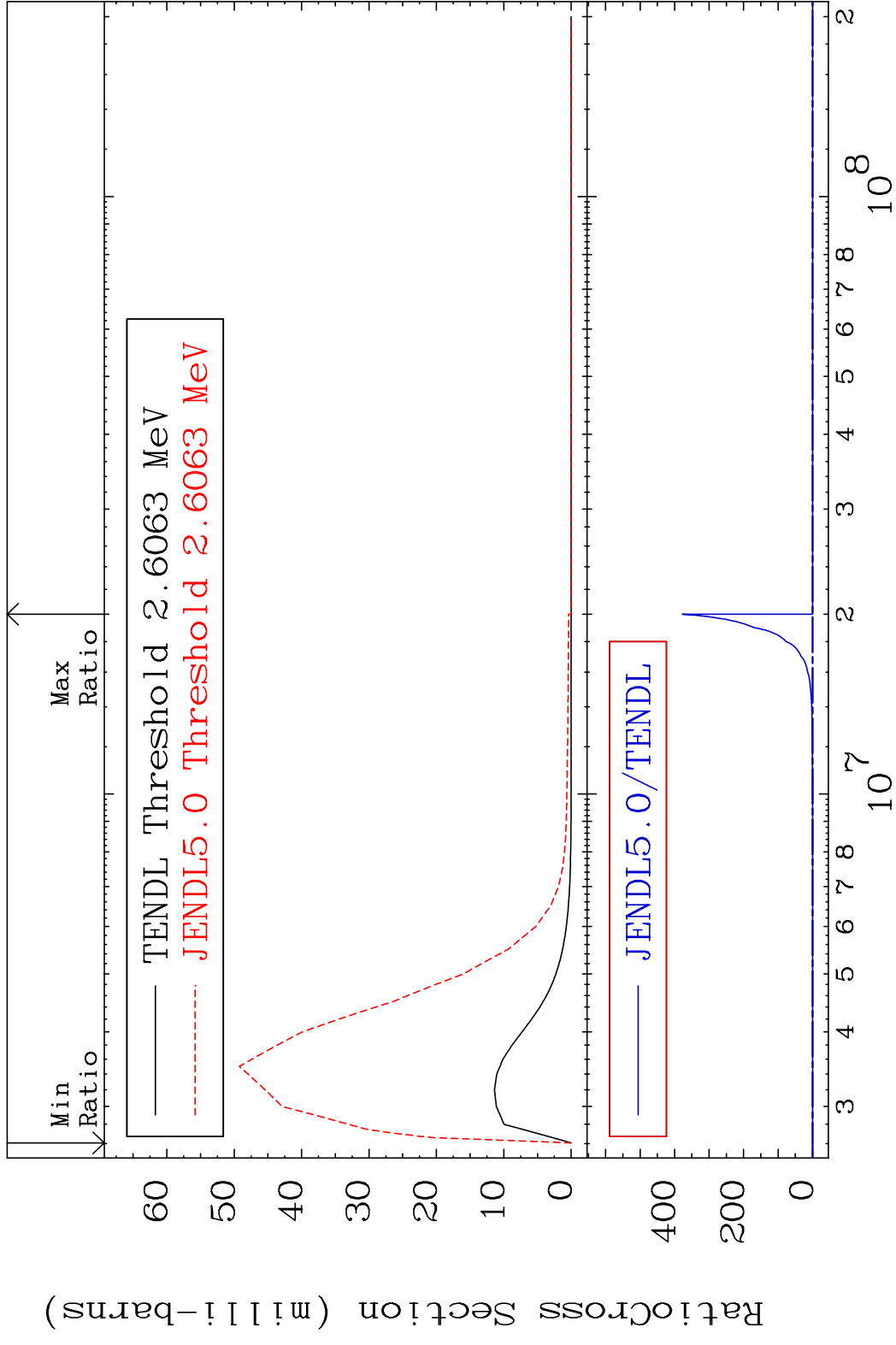
MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136  
 Cross Section -100.0 To 9999. %



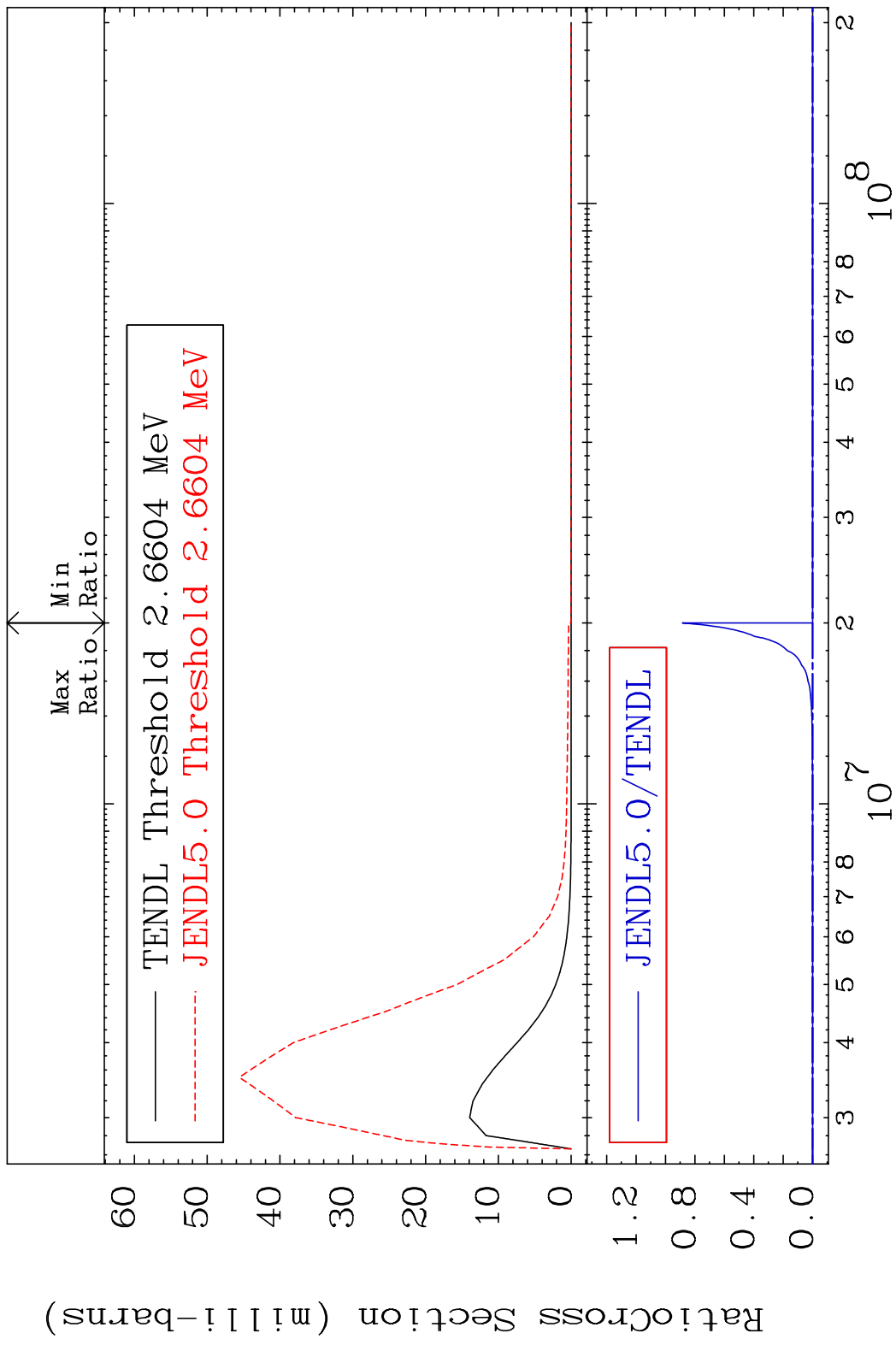
MAT 5643 MT= 76 (n,n') Level 56-Ba-136  
 Cross Section -100.0 To 205.1 %



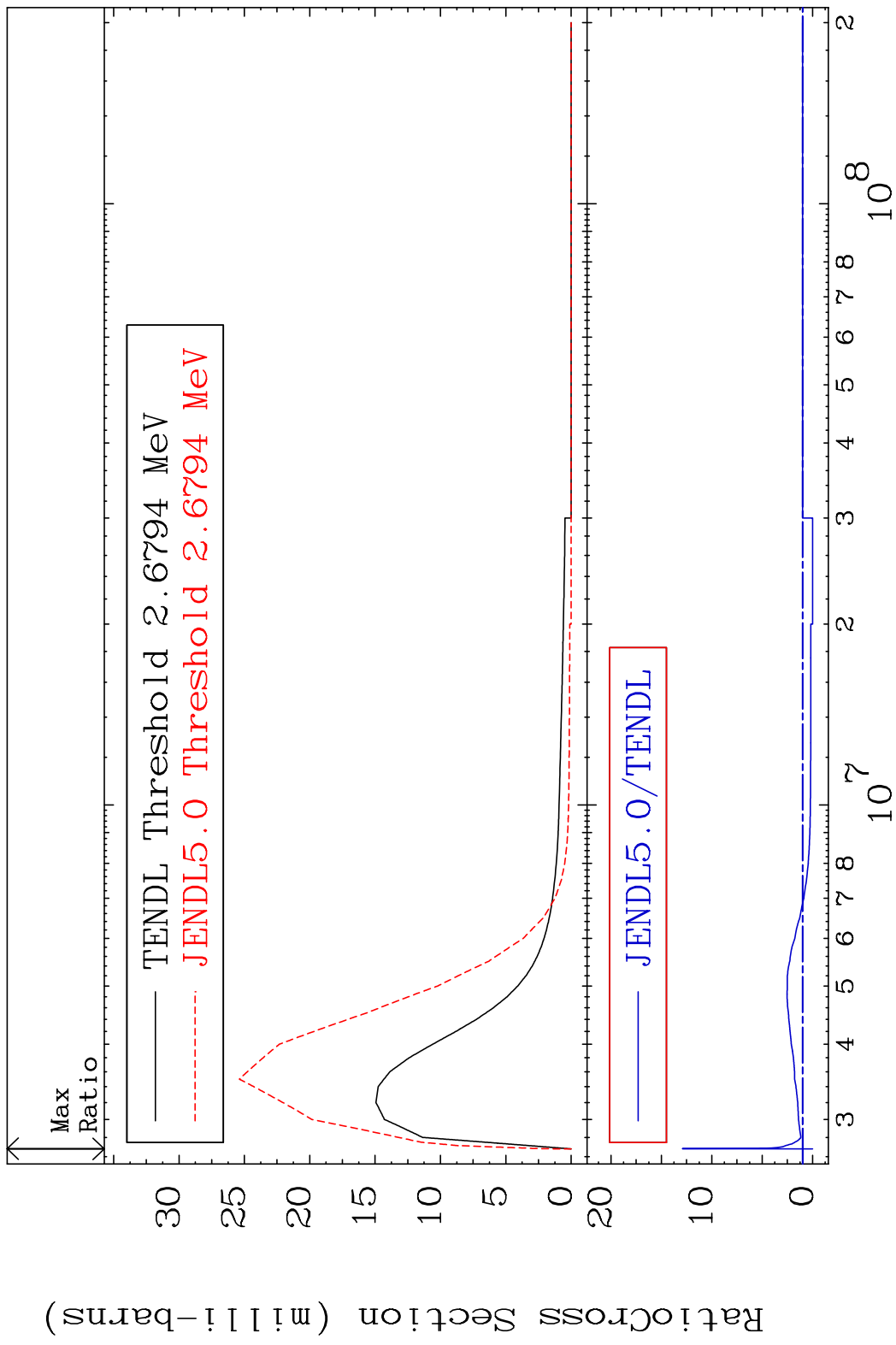
MAT 5643 MT= 77 (n, n') Level 56-Ba-136  
 Cross Section -100.0 To 9999. %



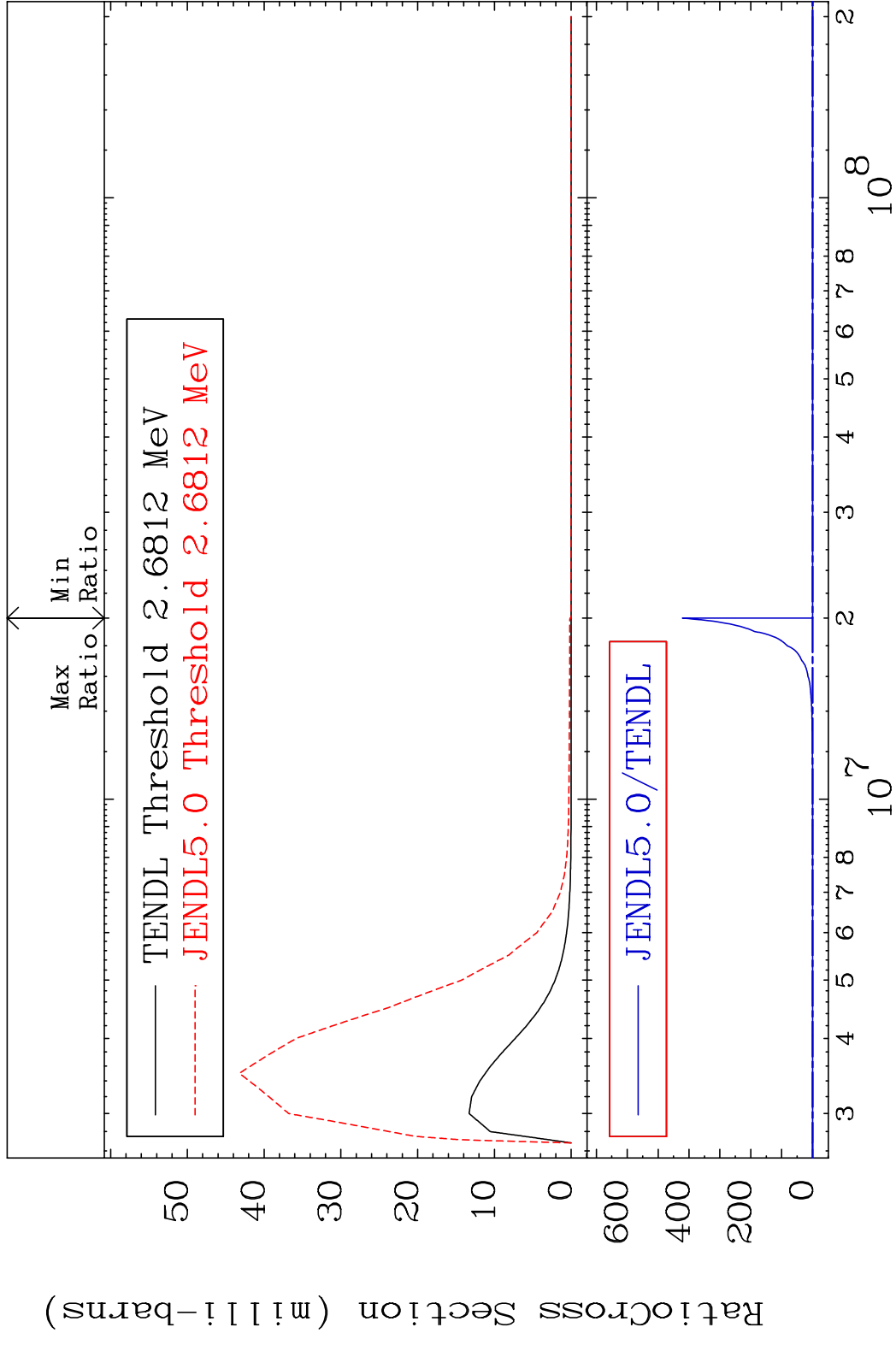
MAT 5643 MT= 78 (n, n') Level 56-Ba-136  
 Cross Section -100.0 To 9999. %



MAT 5643 MT= 79 (n,n') Level 56-Ba-136  
 Cross Section -100.0 To 1192. %



MAT 5643 MT= 80 (n, n') Level 56-Ba-136  
 Cross Section -100.0 To 9999. %



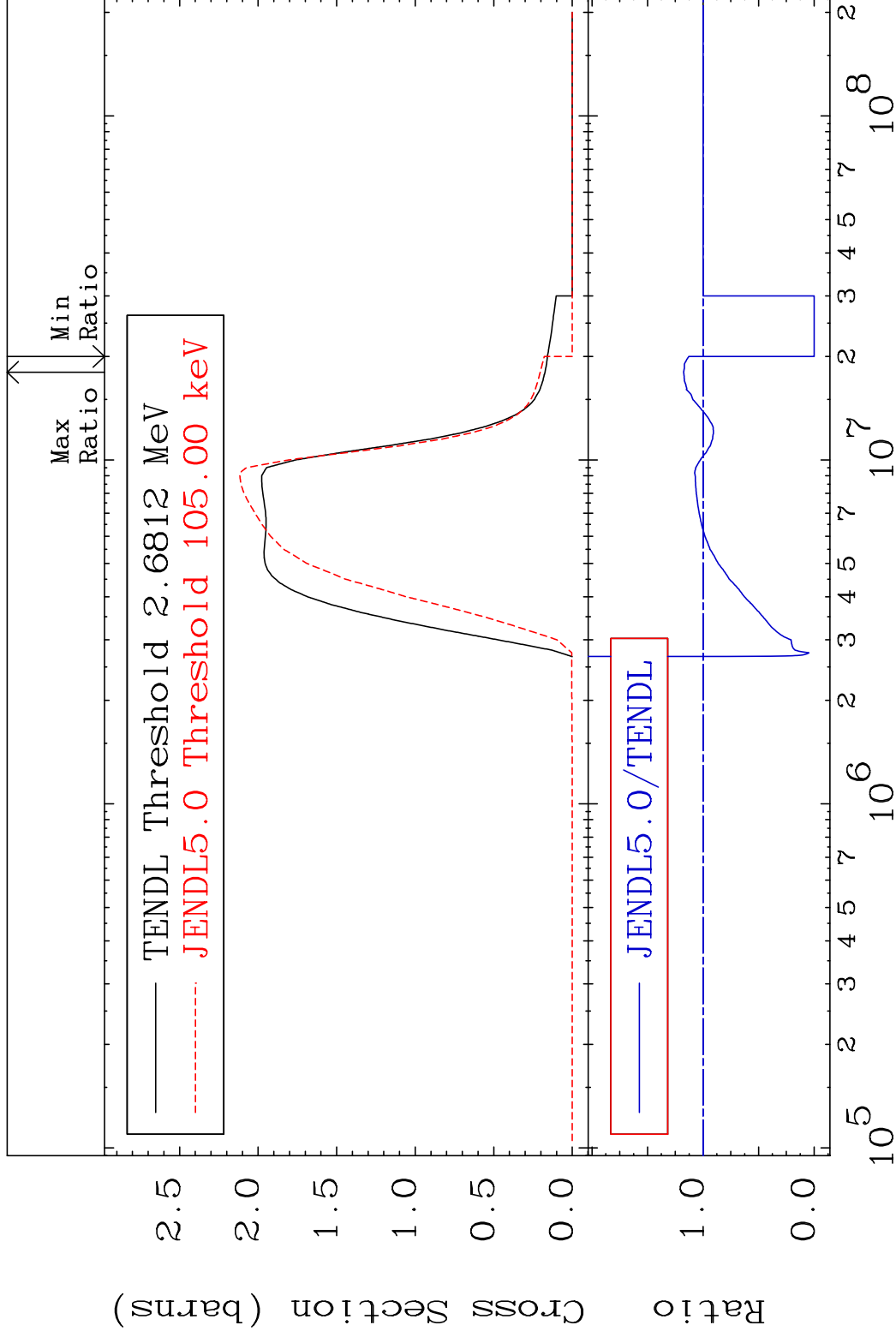


MAT 5643

(n, n') Continuum

56-Ba-136

Cross Section -100.0 To 17.45 %



40

Incident Energy (eV)

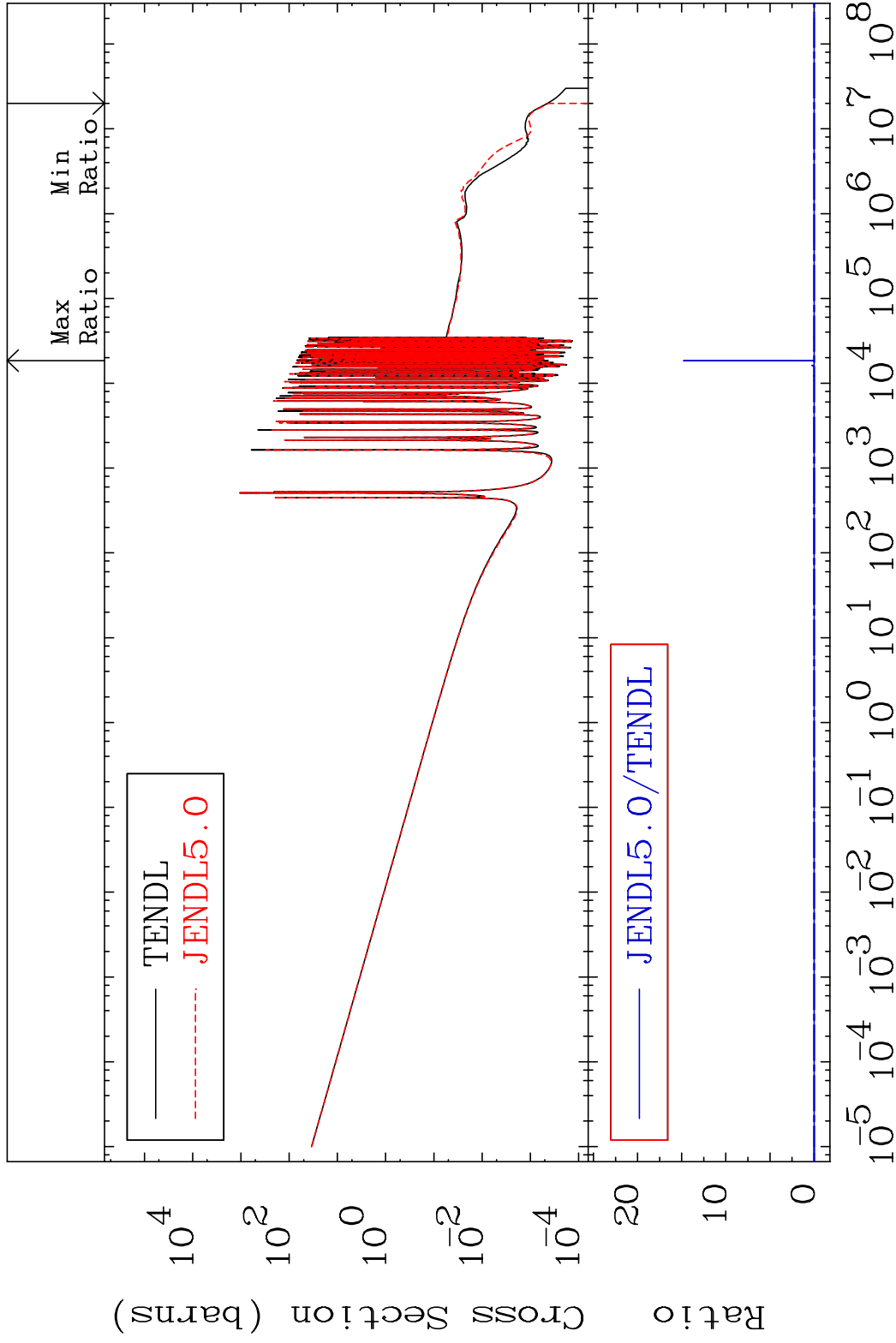
56-Ba-136

MAT 5643

(n,  $\gamma$ )

56-Ba-136

Cross Section -100.0 To 9999. %

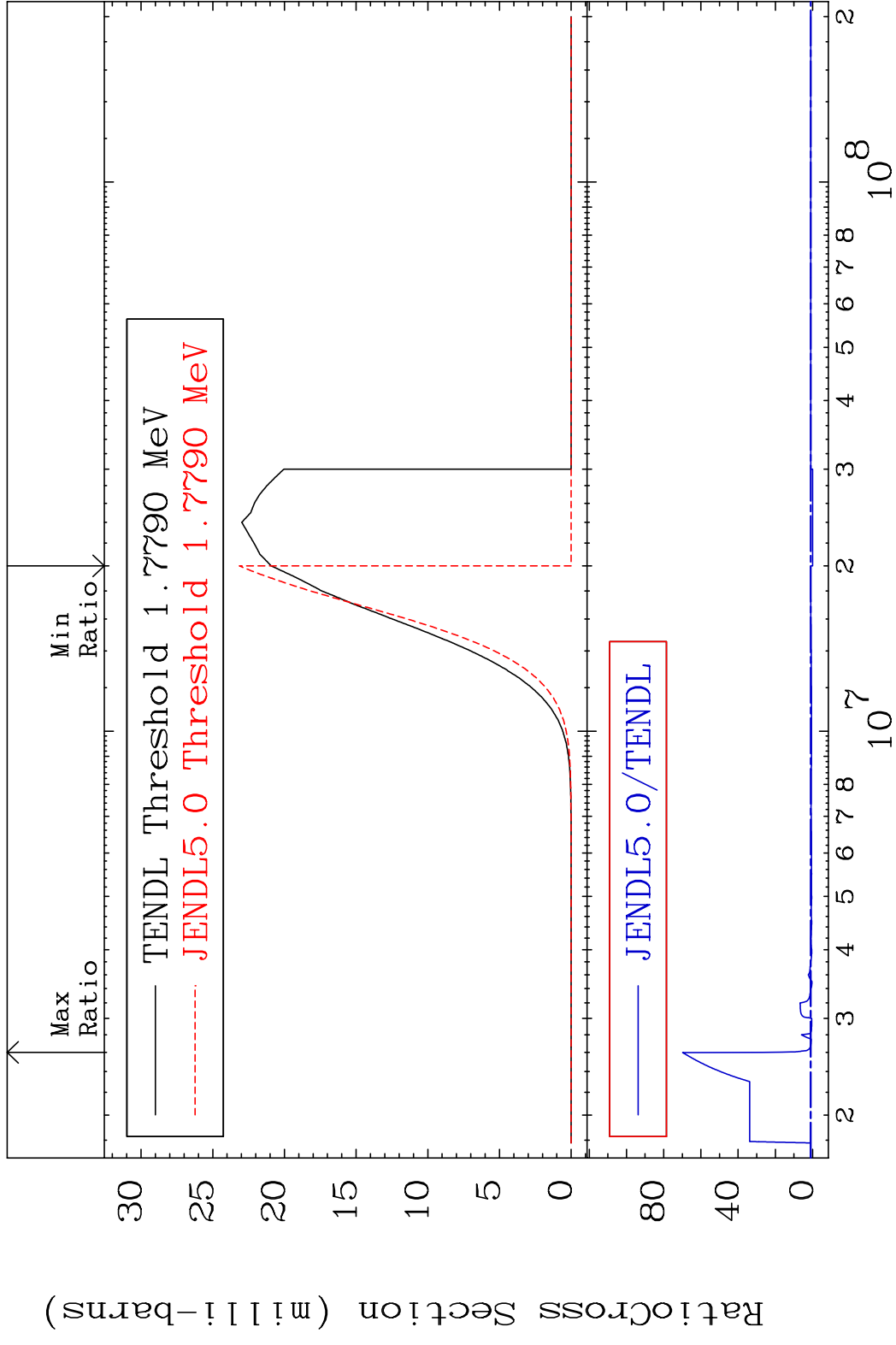


41

Incident Energy (eV)

56-Ba-136

MAT 5643 (n,p) 56-Ba-136  
 Cross Section -100.0 To 6897. %

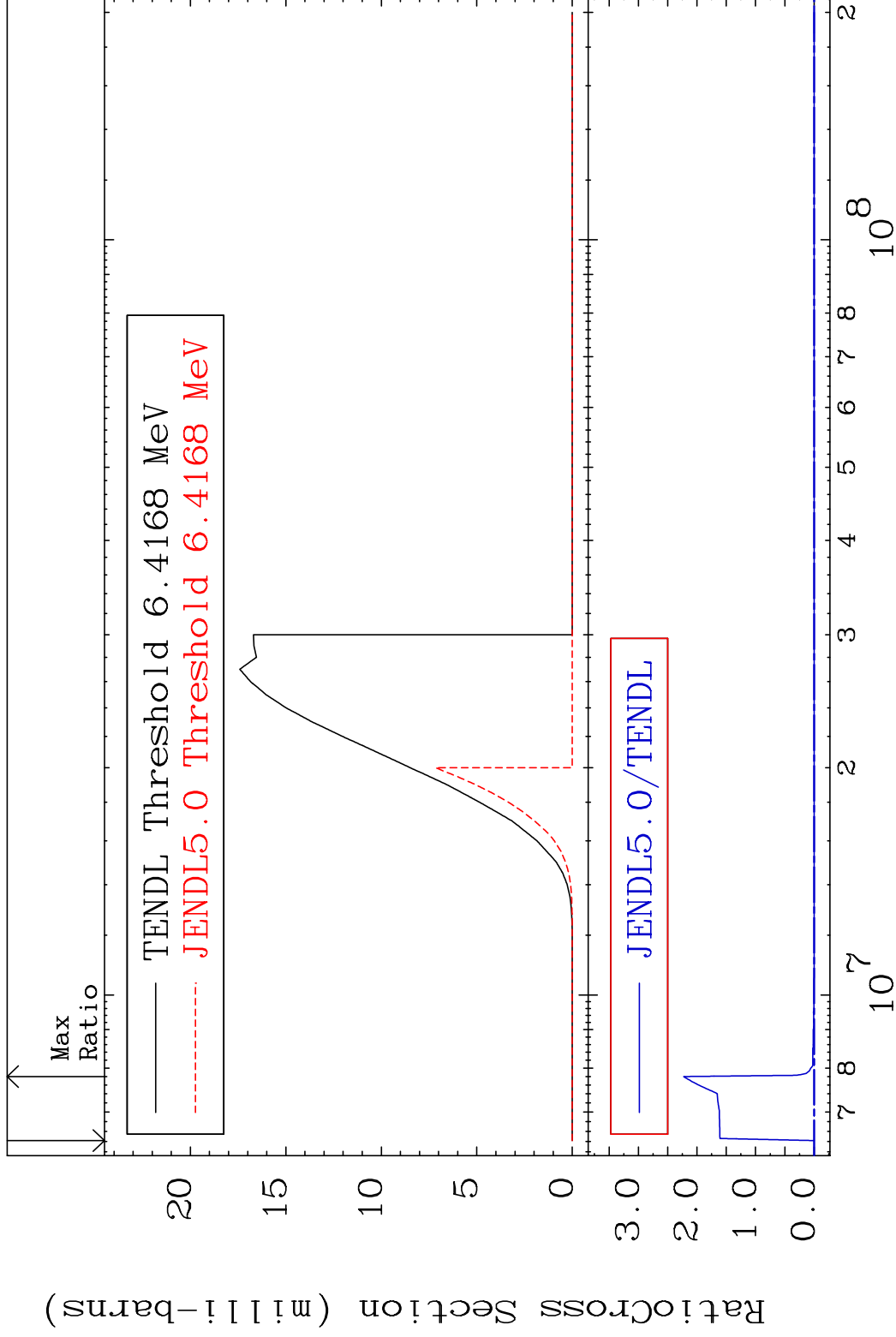


MAT 5643

(n,d)

56-Ba-136

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

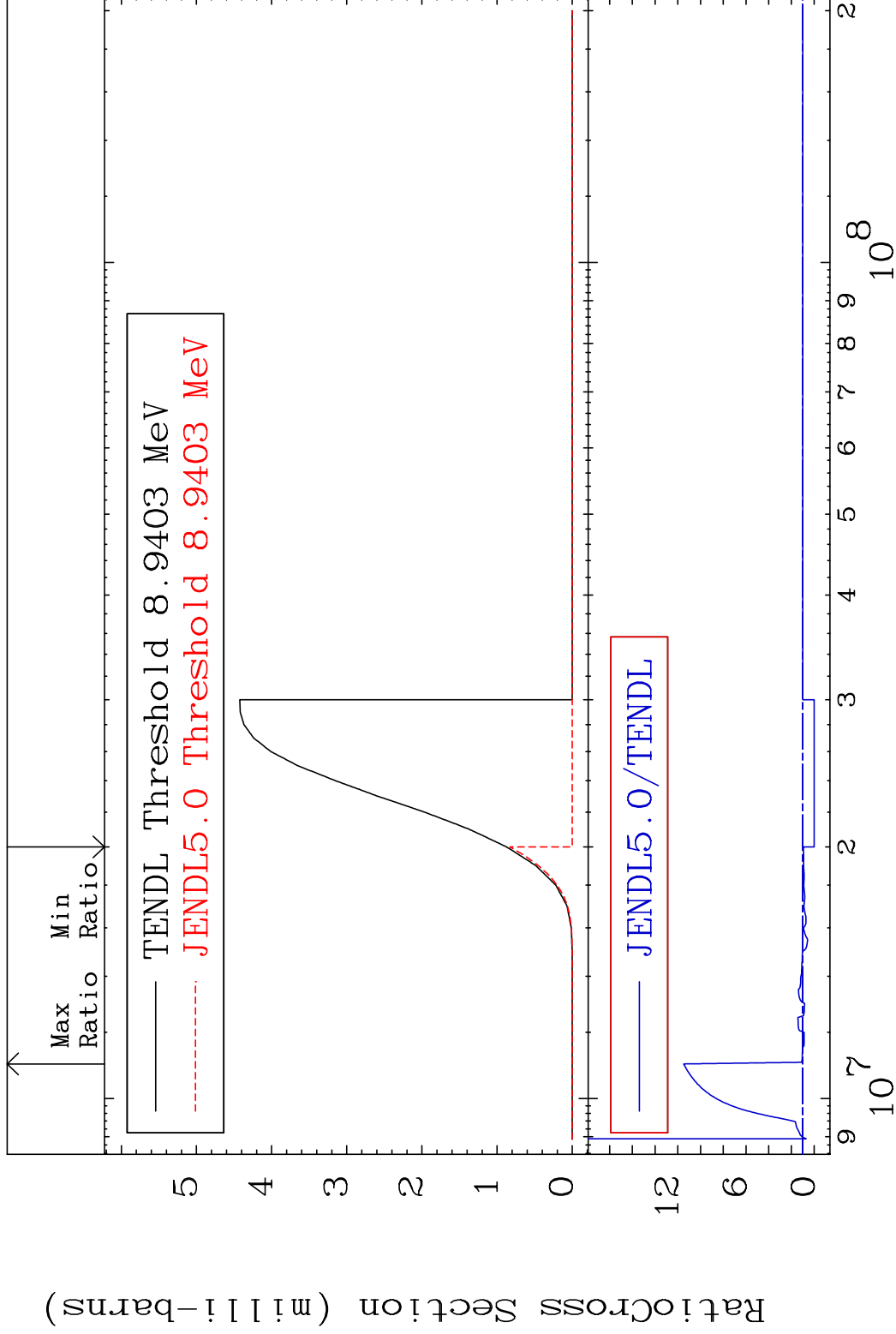
56-Ba-136

MAT 5643

(n, t)

56-Ba-136

Cross Section -100.0 To 1049. %



44

Incident Energy (eV)

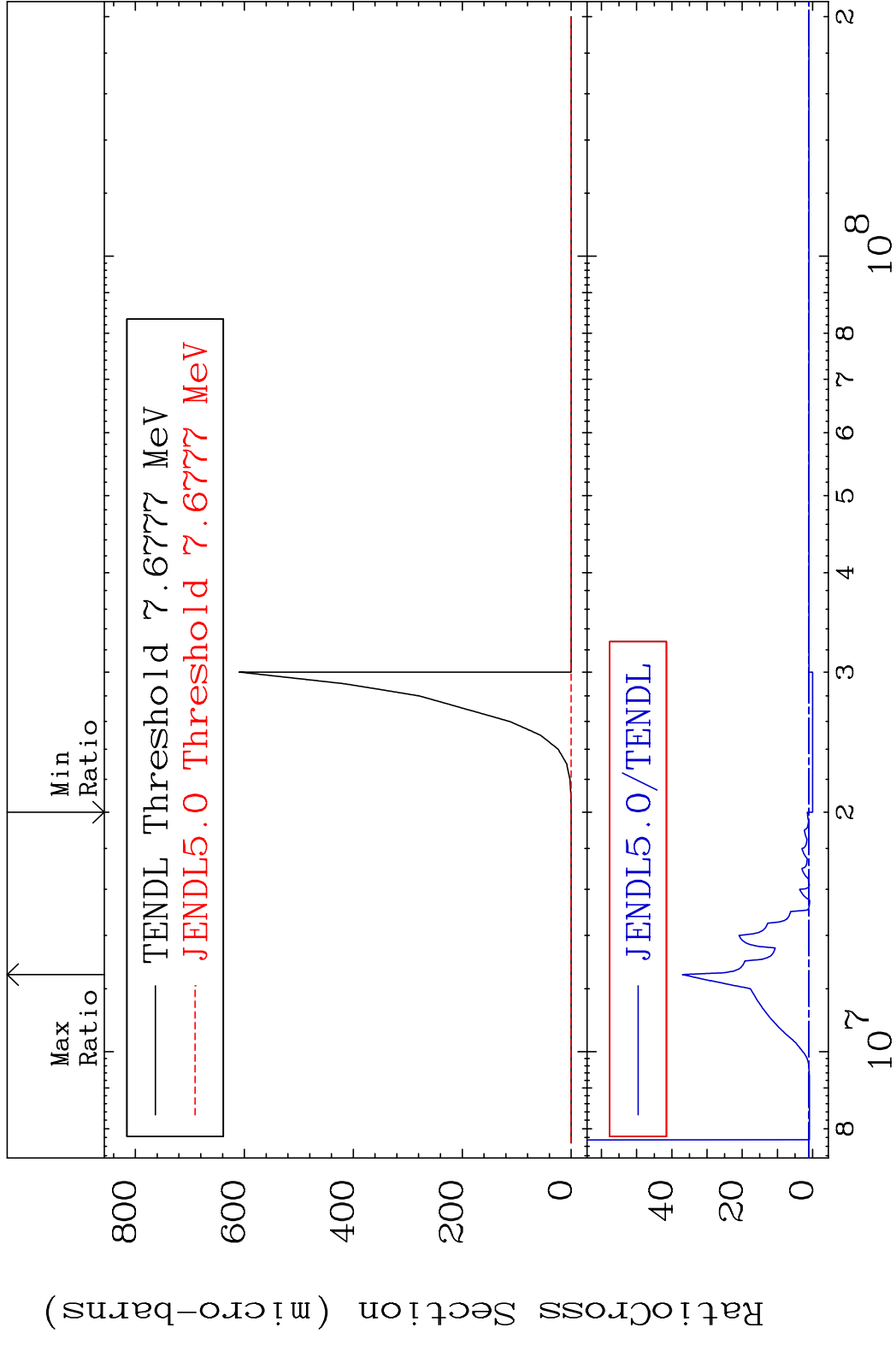
56-Ba-136

MAT 5643

(n, He-3)

56-Ba-136

Cross Section -100.0 To 3601. %



45

Incident Energy (eV)

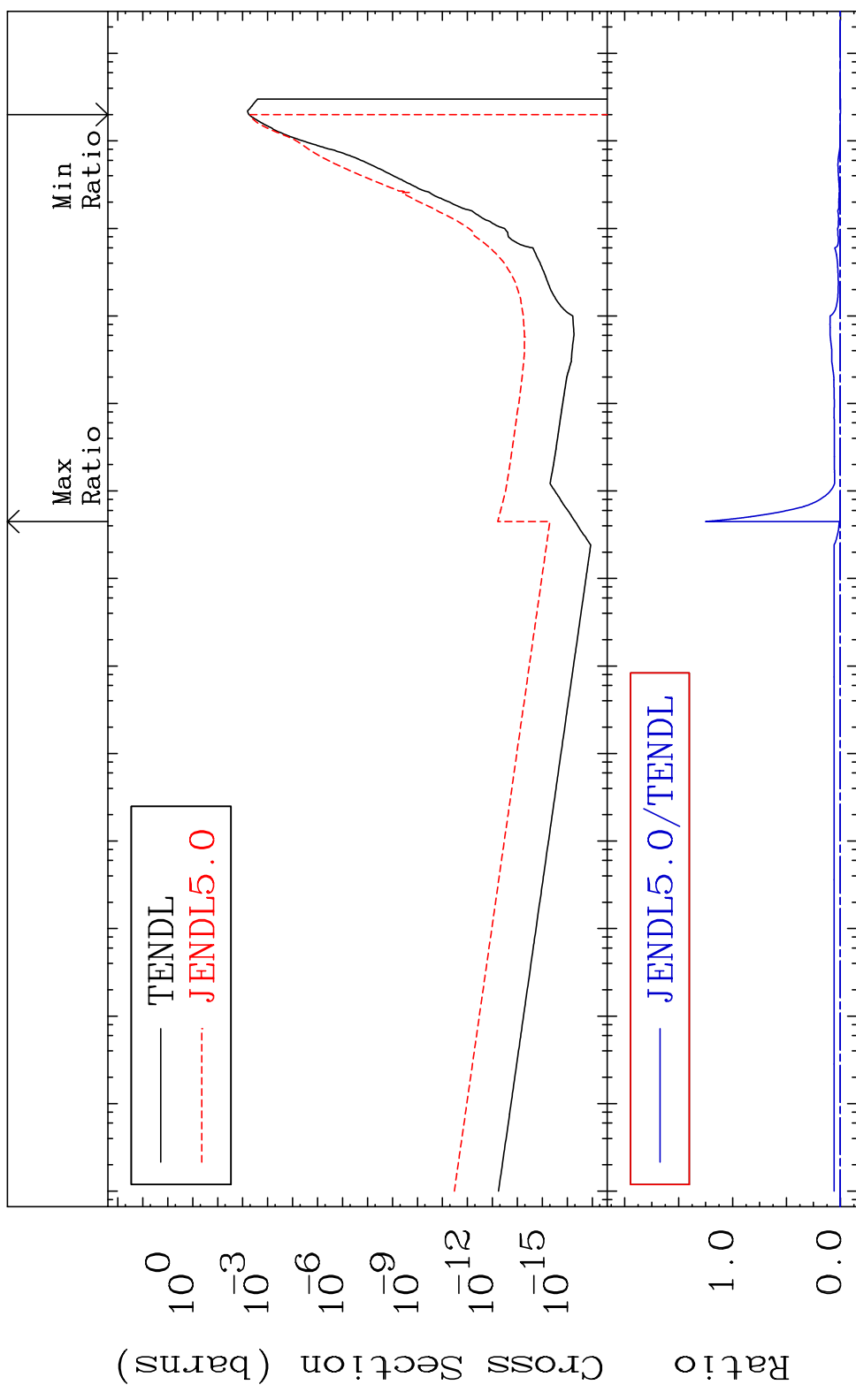
56-Ba-136

MAT 5643

(n,  $\alpha$ )

56-Ba-136

Cross Section -100.0 To 9999. %



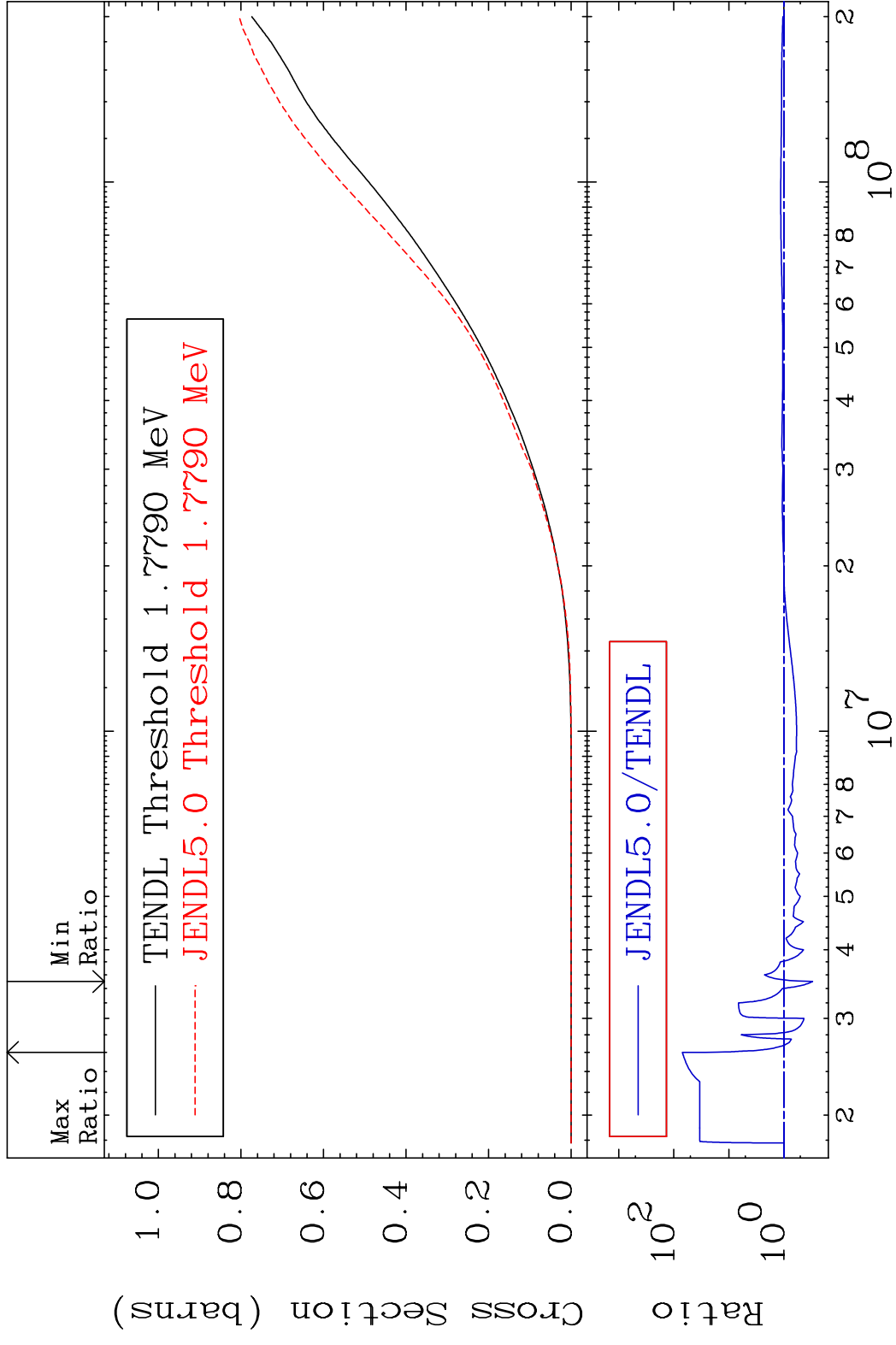
MAT 5643

Hydrogen Production

56-Ba-136

Cross Section

-69.94 To 6897. %



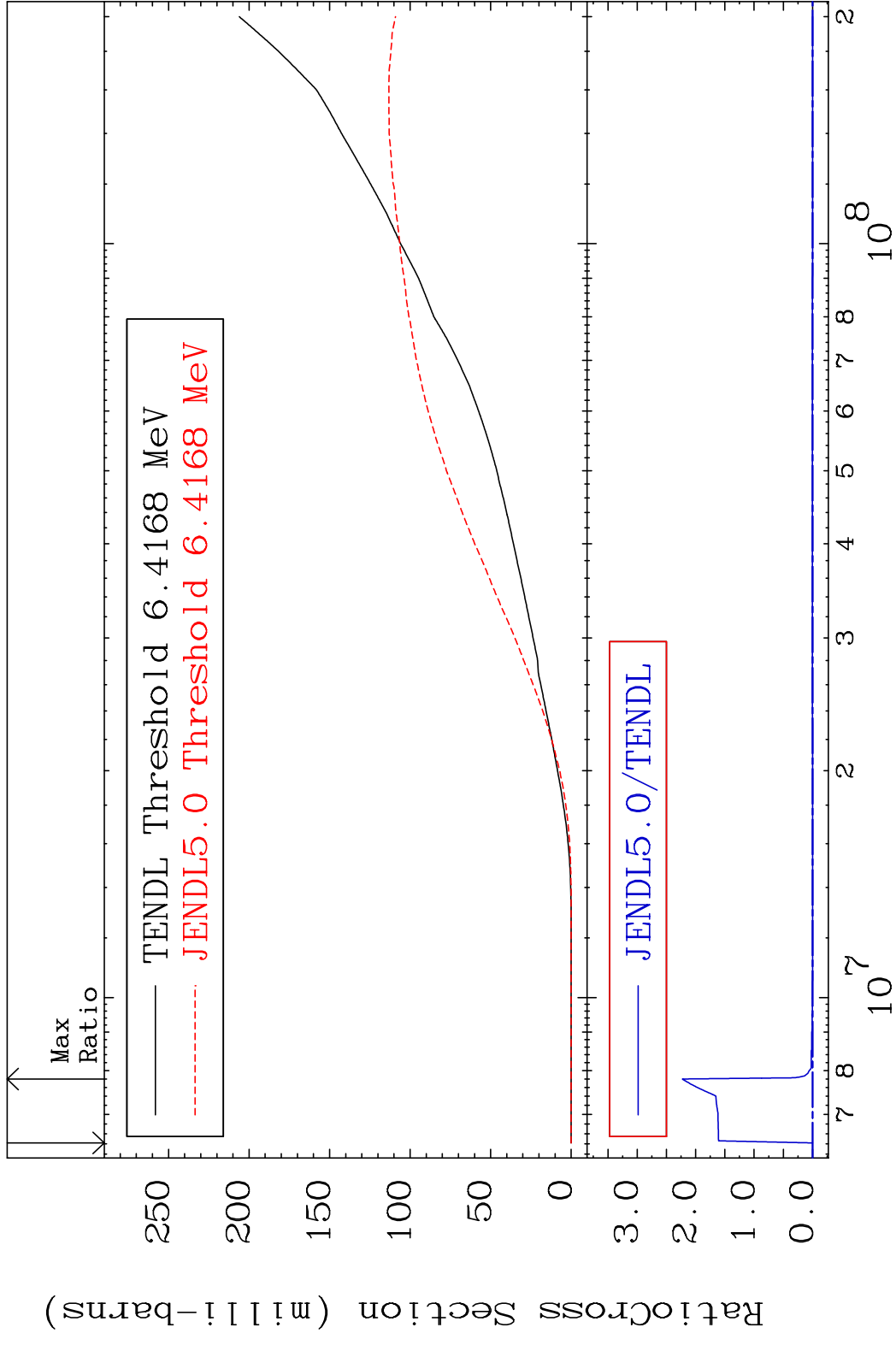


MAT 5643

Deuterium Production

56-Ba-136

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

56-Ba-136

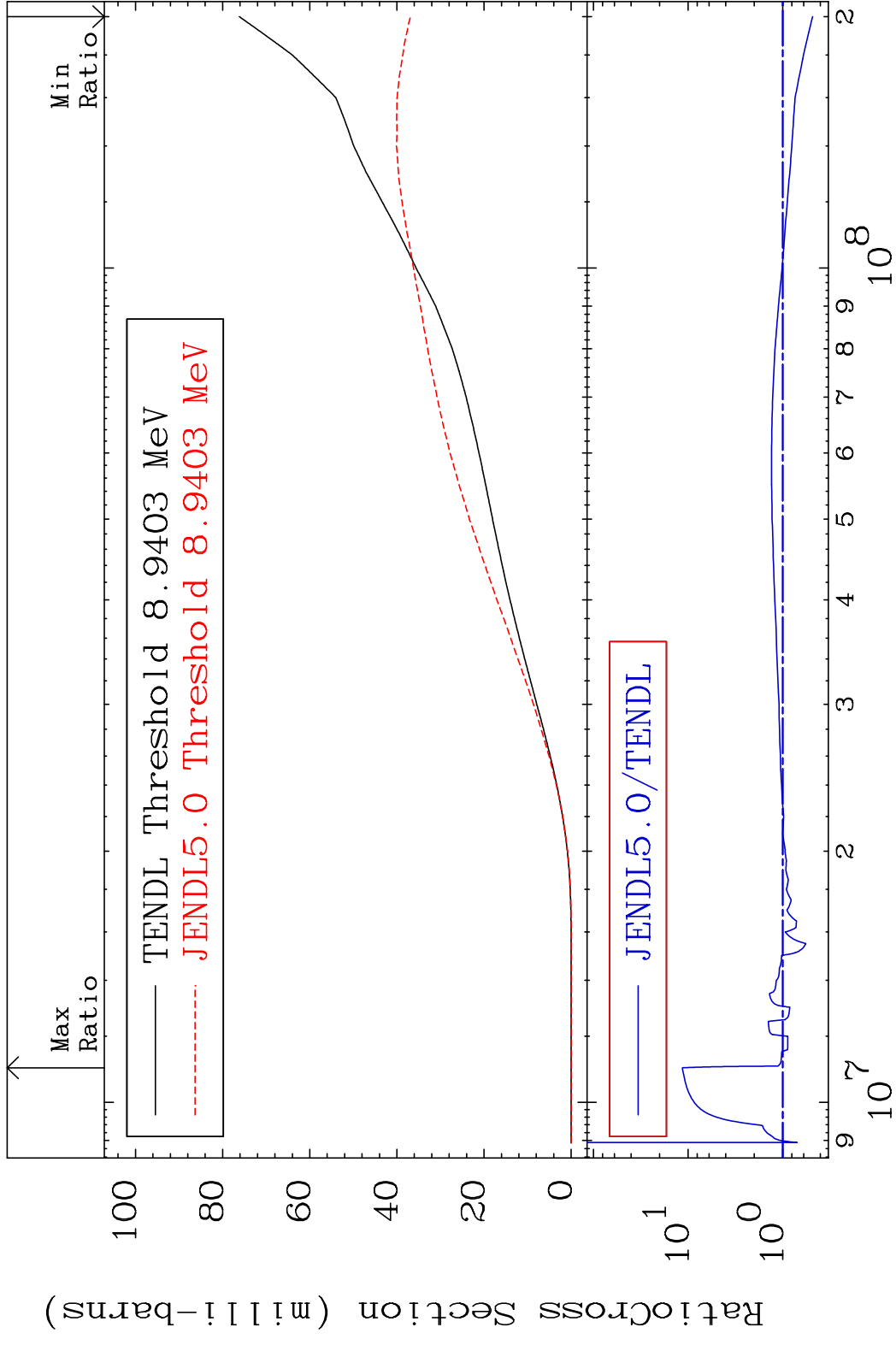
MAT 5643

Tritium Production

56-Ba-136

Cross Section

-51.55 To 1049. %



49

Incident Energy (eV)

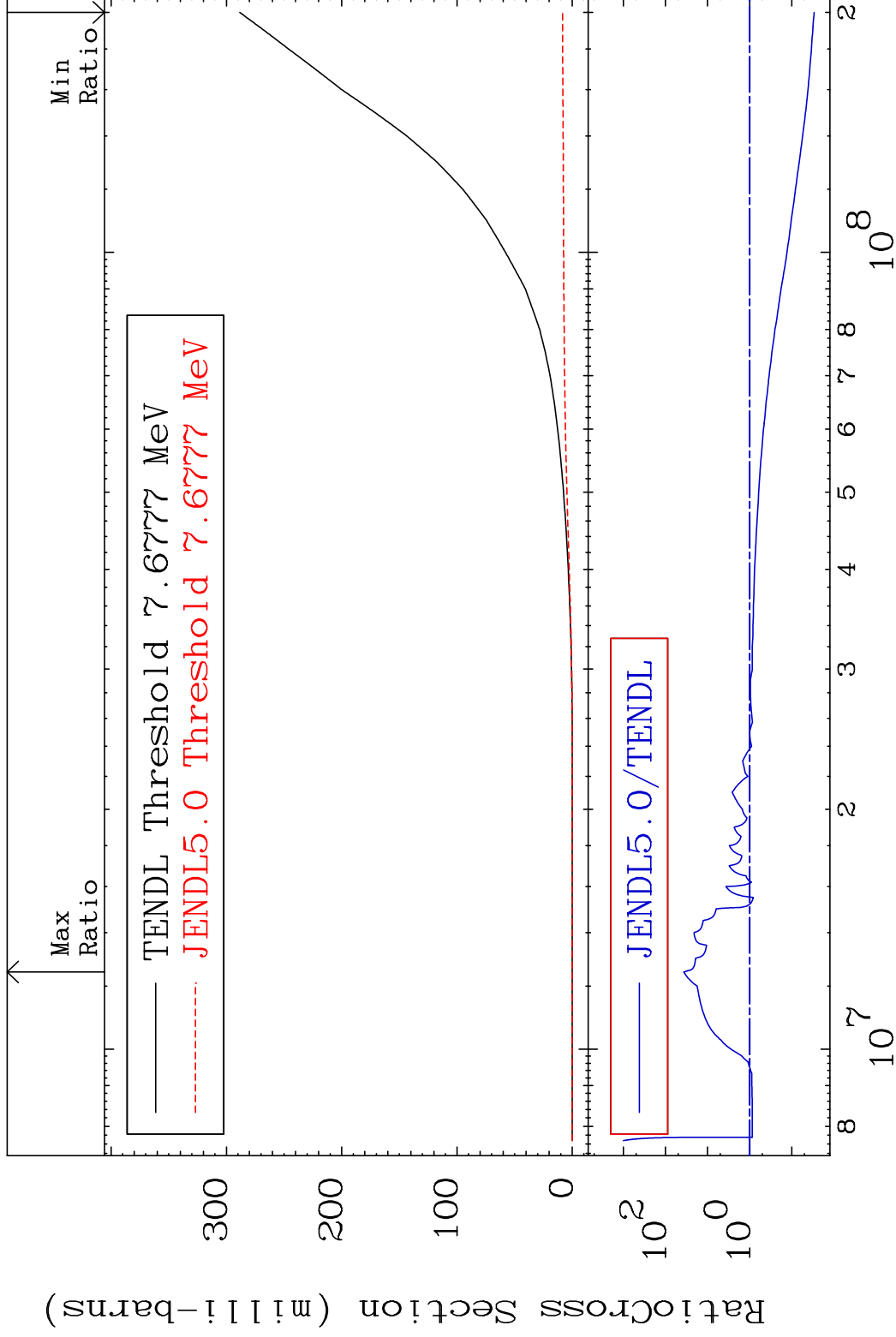
56-Ba-136

MAT 5643

He-3 Production

56-Ba-136

Cross Section -97.07 To 3601. %



50

Incident Energy (eV)

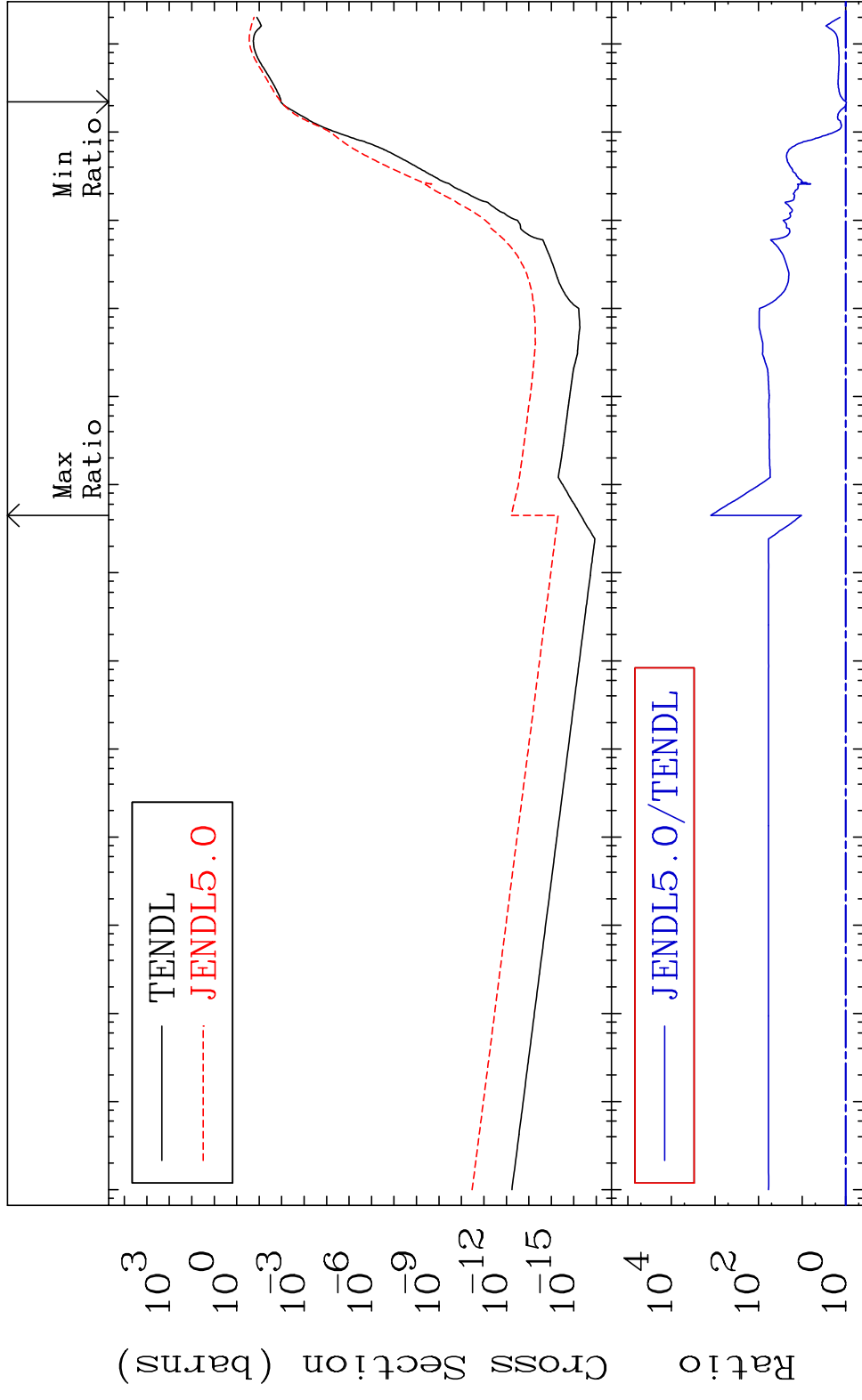
56-Ba-136

MAT 5643

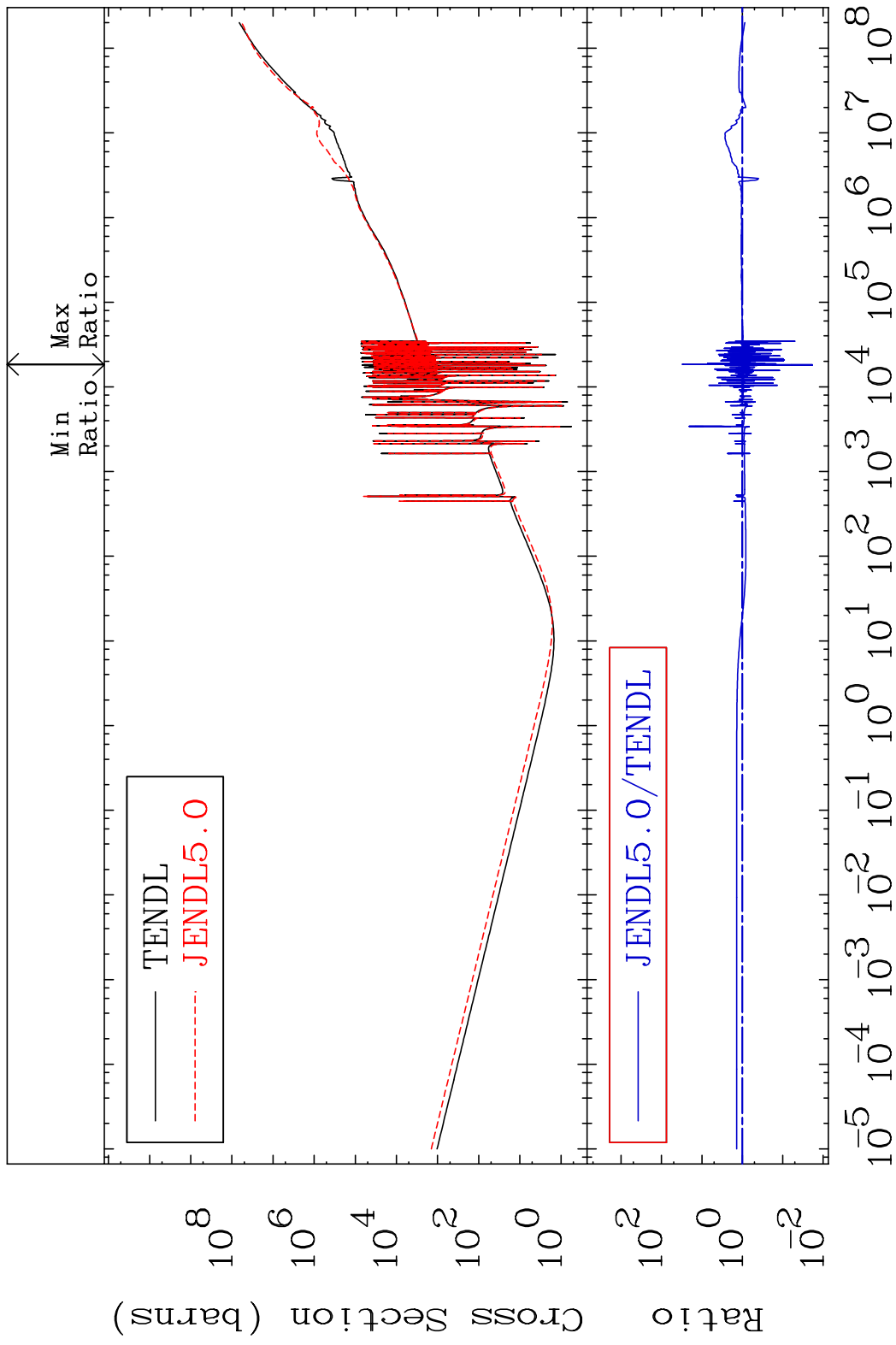
He-4 Production

56-Ba-136

Cross Section -3.331 To 9999. %



MAT 5643 Kerma total (eV-barns) 56-Ba-136  
 Cross Section -98.18 To 2950. %



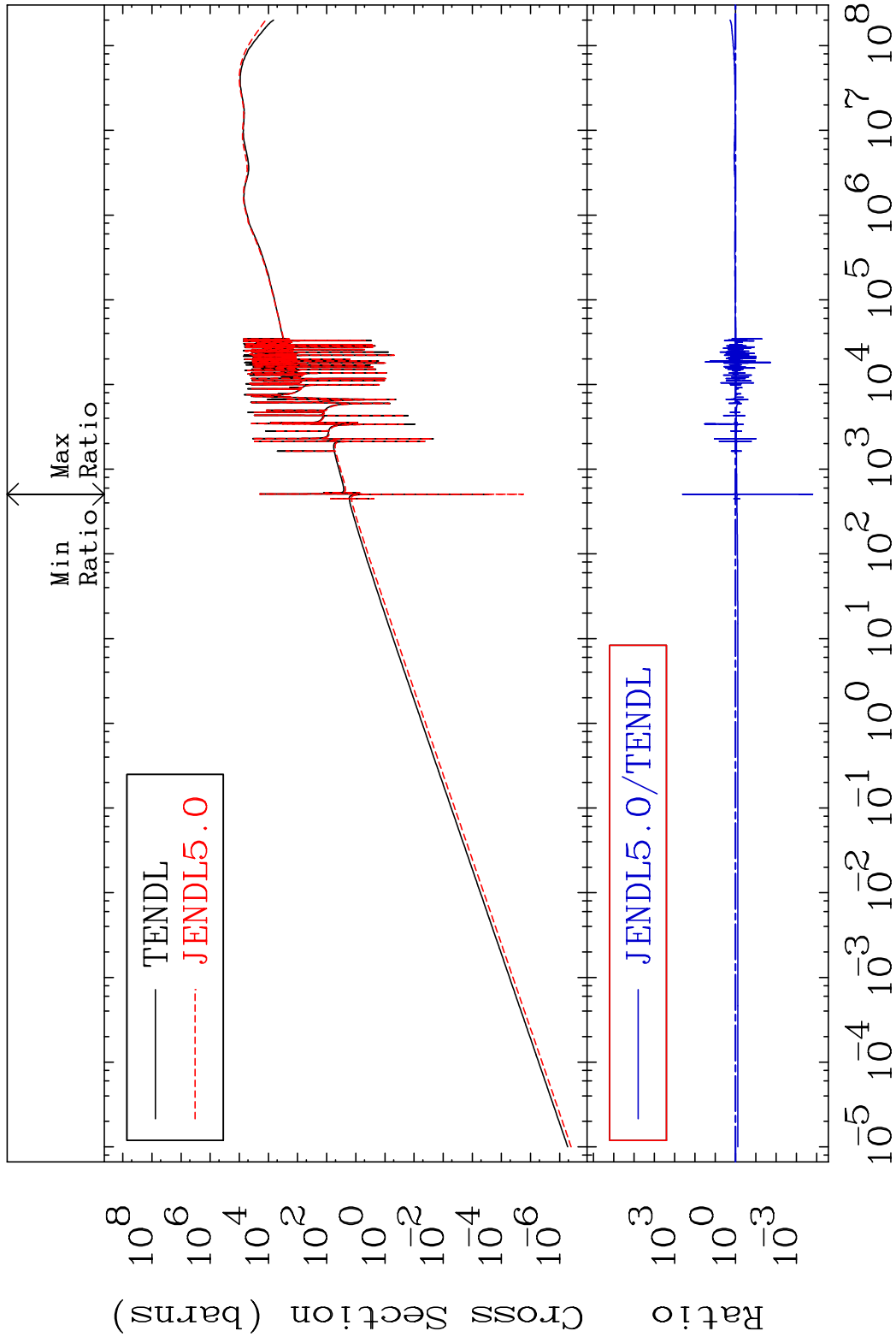
52 Incident Energy (eV) 56-Ba-136

MAT 5643

Kerma elastic

56-Ba-136

Cross Section -99.98 To 9999. %

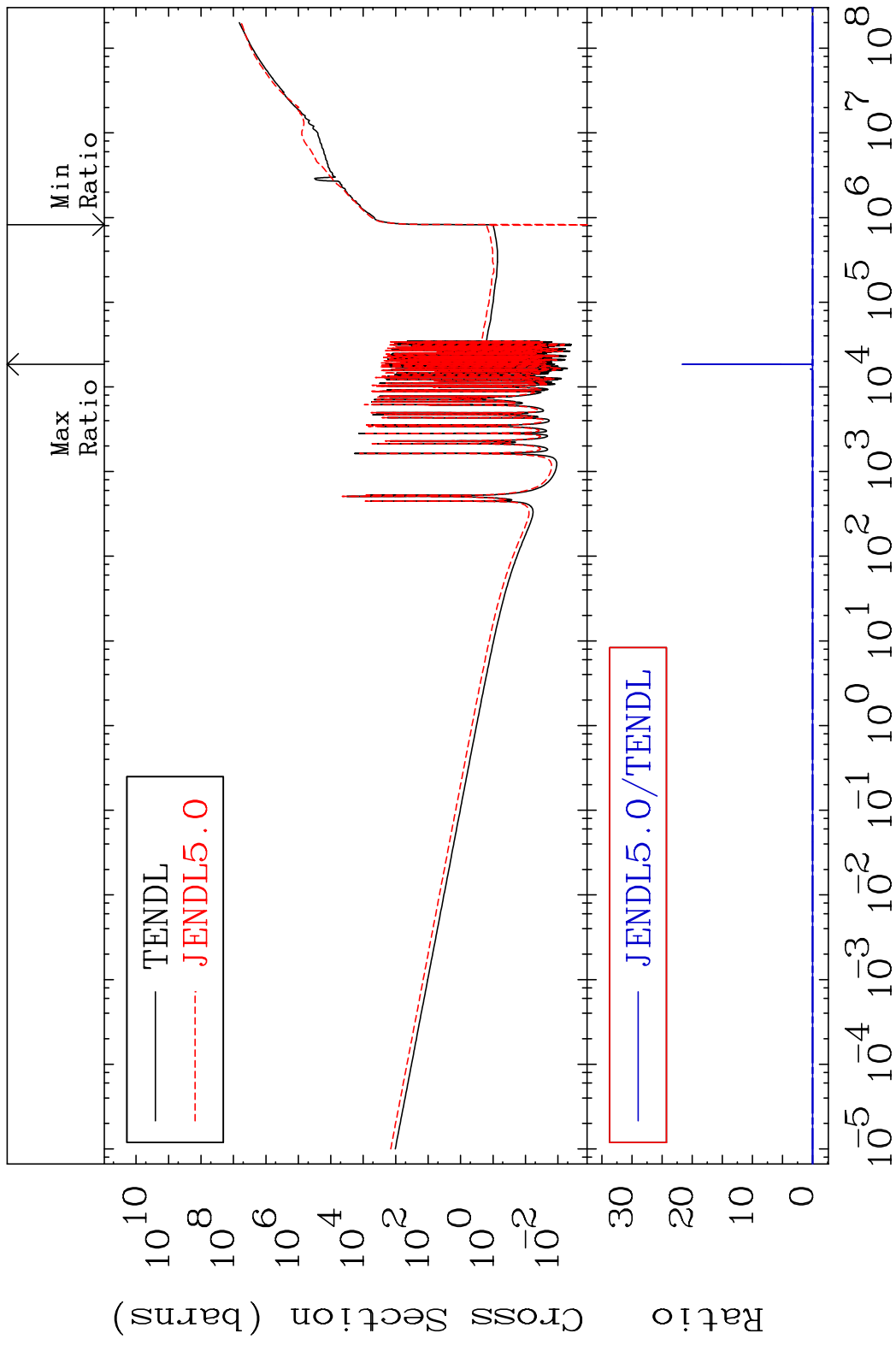


53

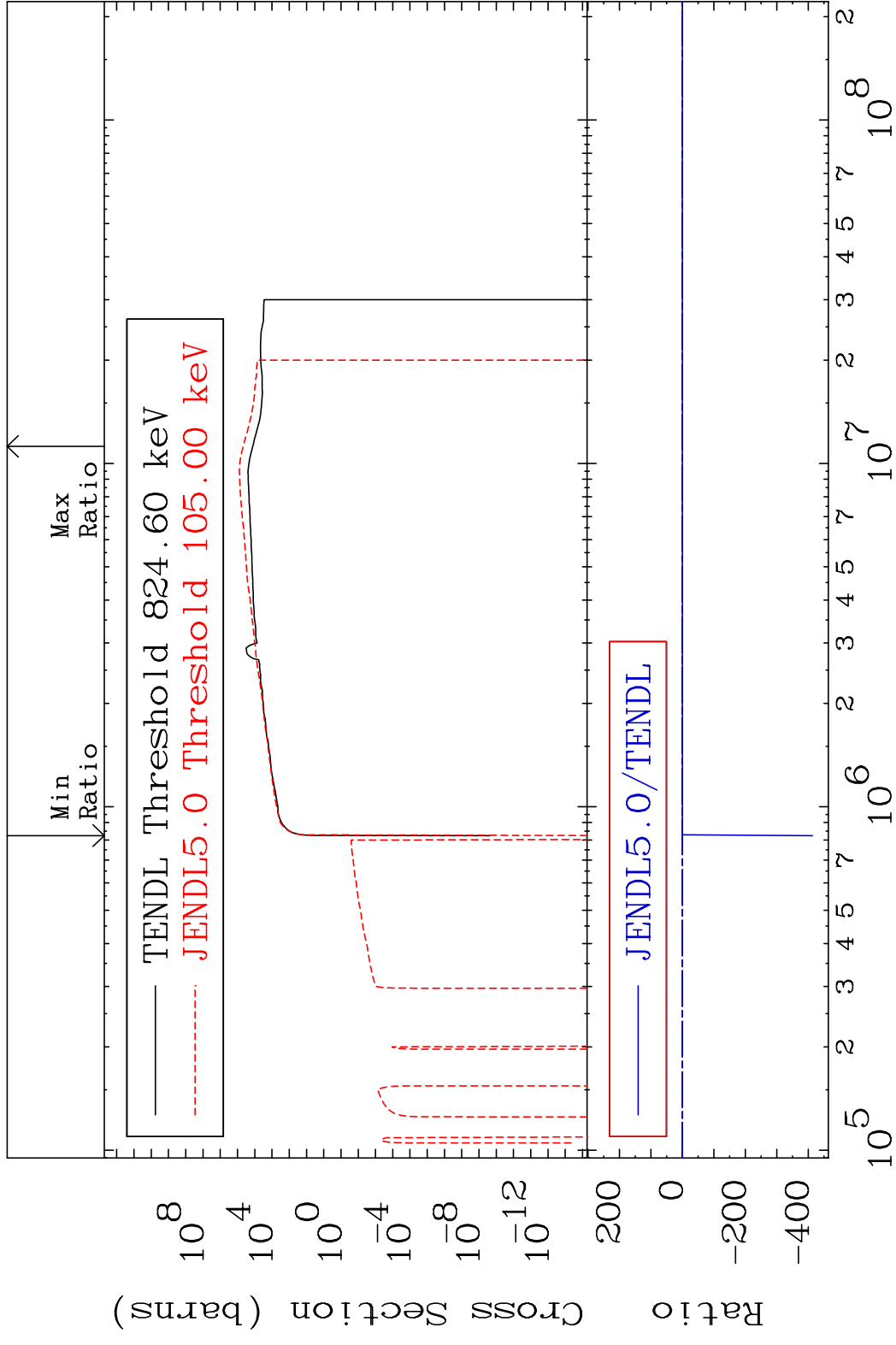
Incident Energy (eV)

56-Ba-136

MAT 5643 Kerma non-elastic (all but mt2) 56-Ba-136  
 Cross Section -171.3 To 9999. %



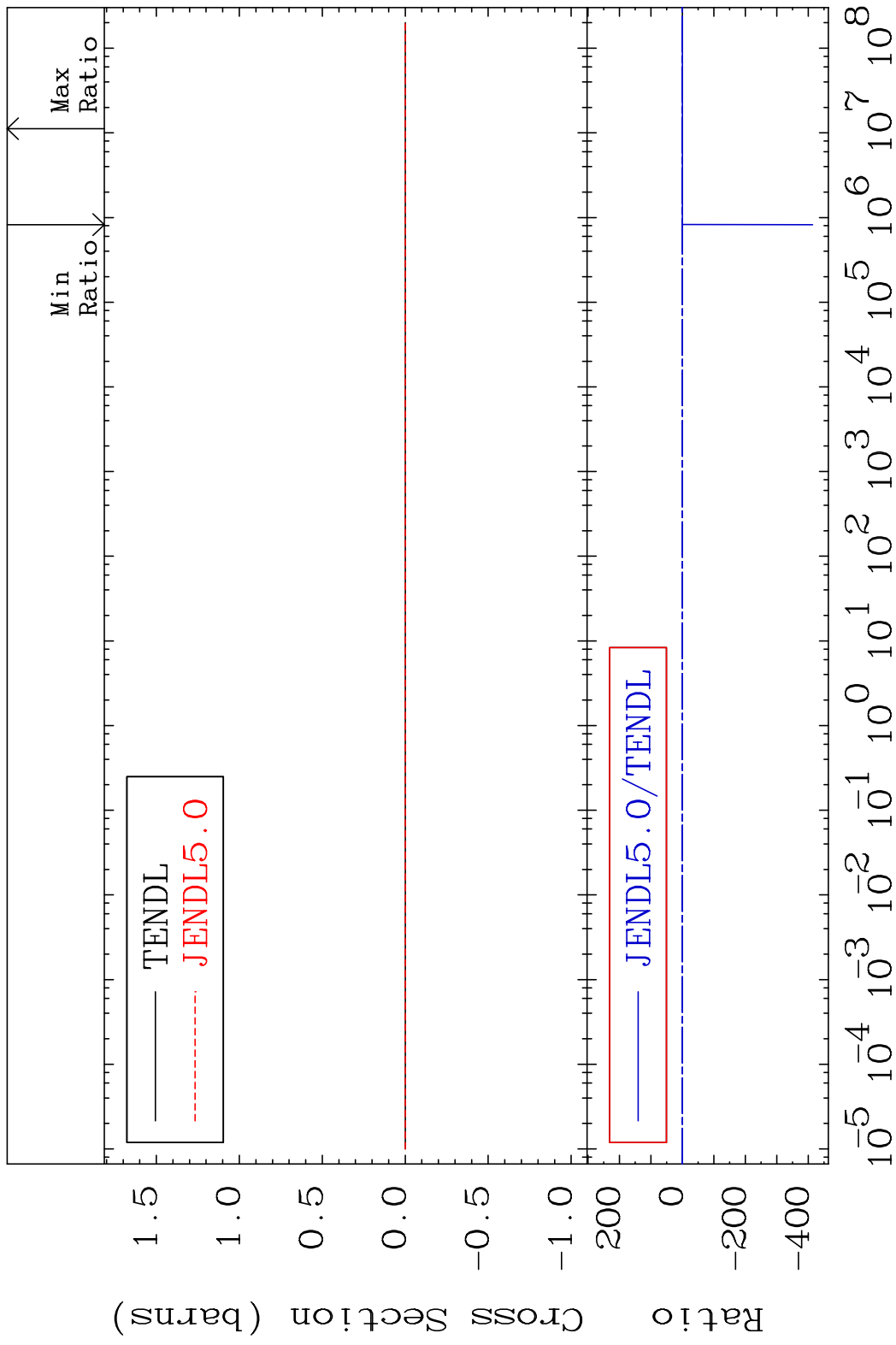
MAT 5643 Kerma inelastic (mt51-91) 56-Ba-136  
 Cross Section -9999. To 259.3 %



55 Incident Energy (eV) 56-Ba-136



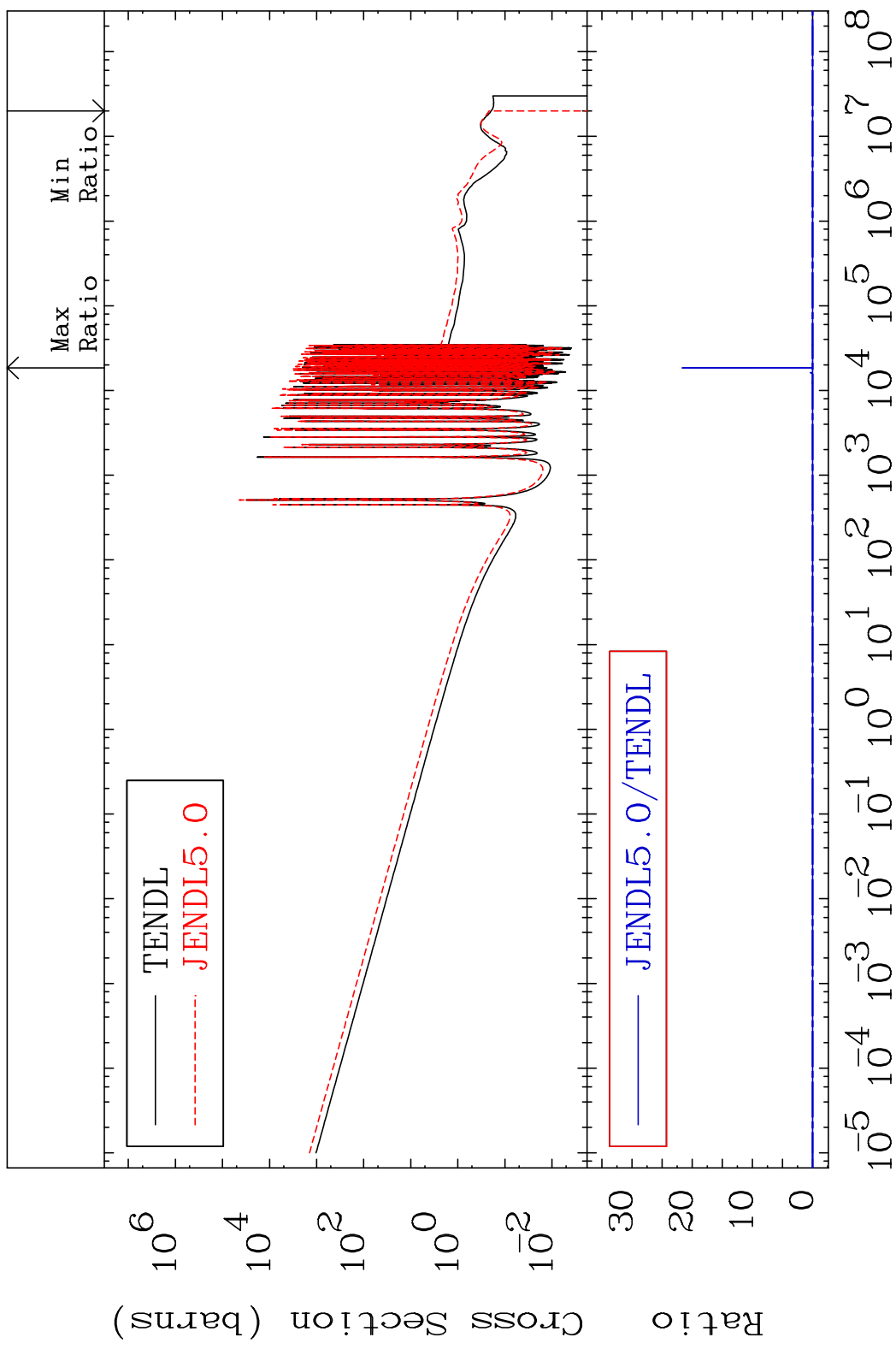
MAT 5643 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-136  
 Cross Section -9999. To 259.3 %



MAT 5643

Kerma capture (mt102) 56-Ba-136

Cross Section -100.0 To 9999. %

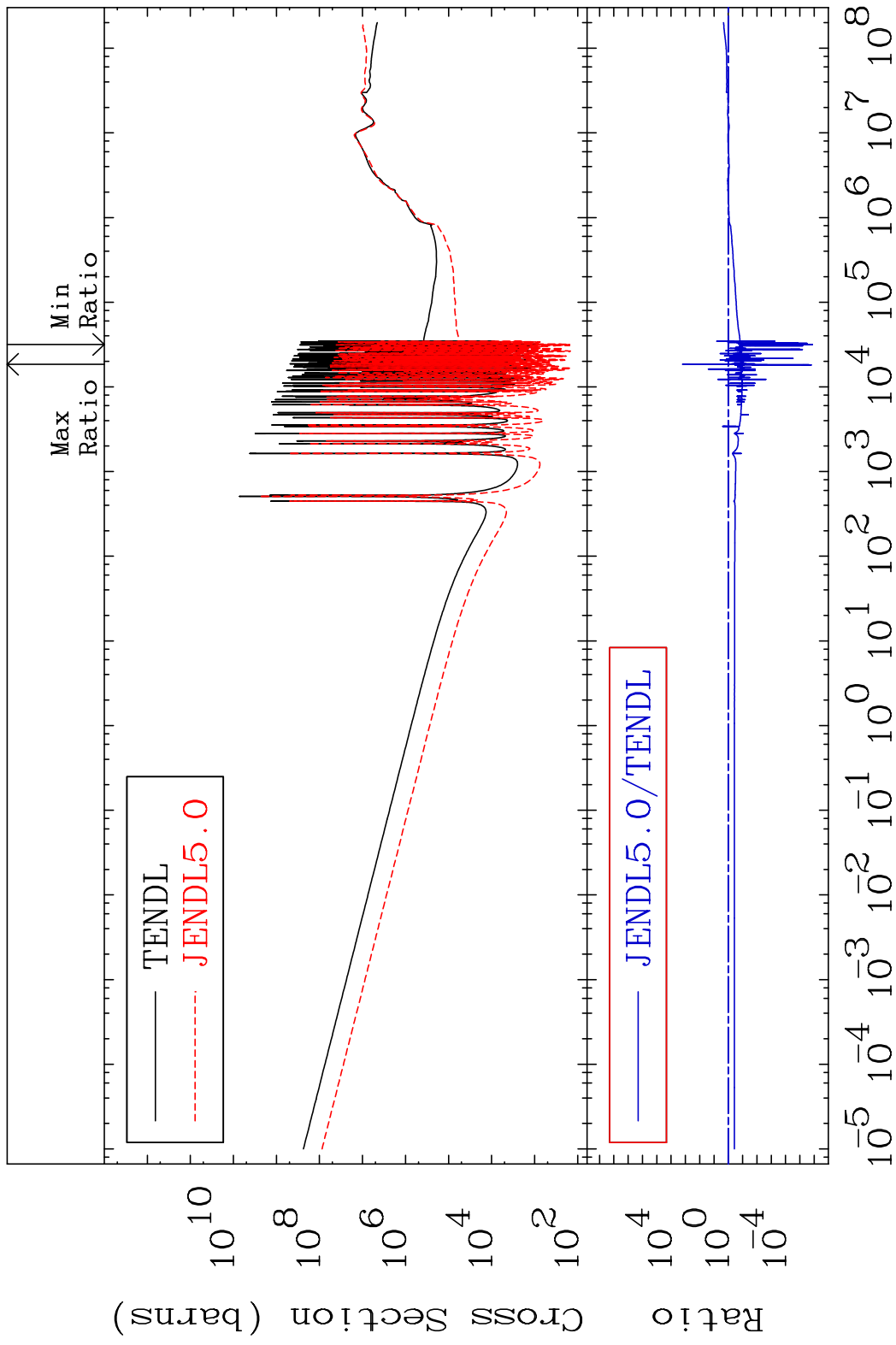


57

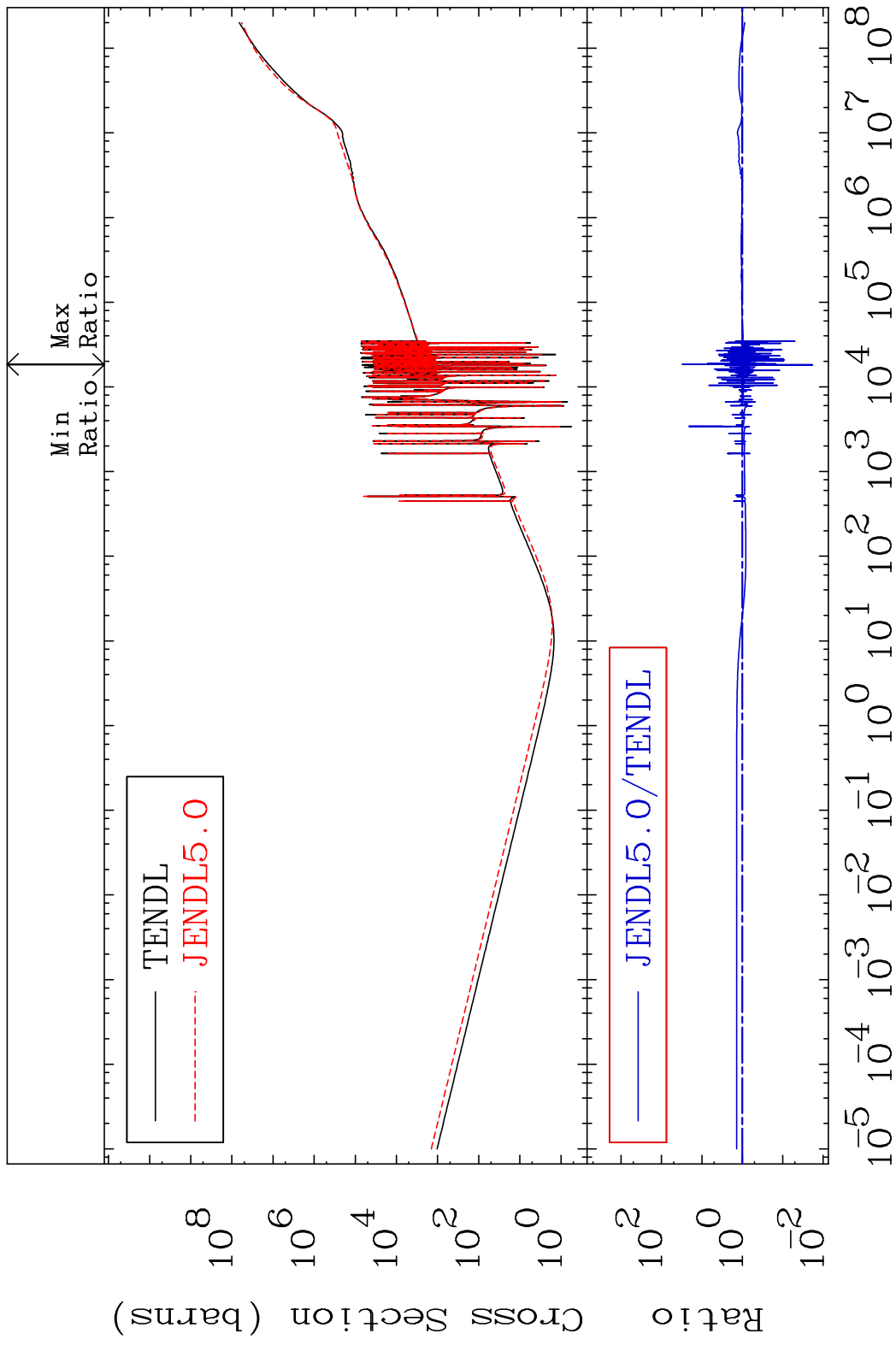
Incident Energy (eV)

56-Ba-136

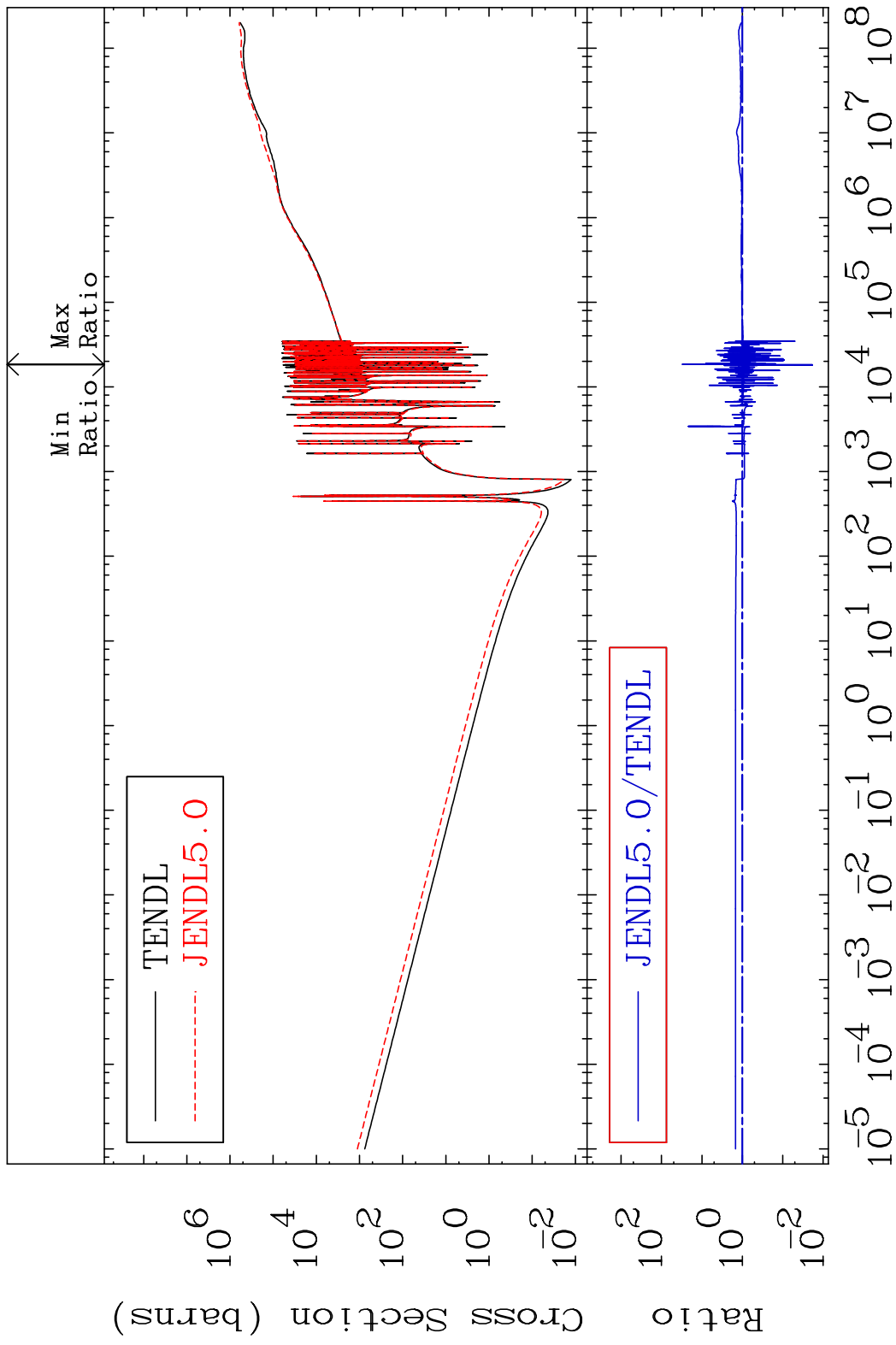
MAT 5643 Total photon (eV-barns) 56-Ba-136  
Cross Section -100.0 To 9999. %



MAT 5643 Total kinematic kerma (high limit) 56-Ba-136  
 Cross Section -98.18 To 2950. %



MAT 5643      Dpa total (eV-barns)      56-Ba-136  
Cross Section      -98.17 To 2947. %



60      Incident Energy (eV)      56-Ba-136

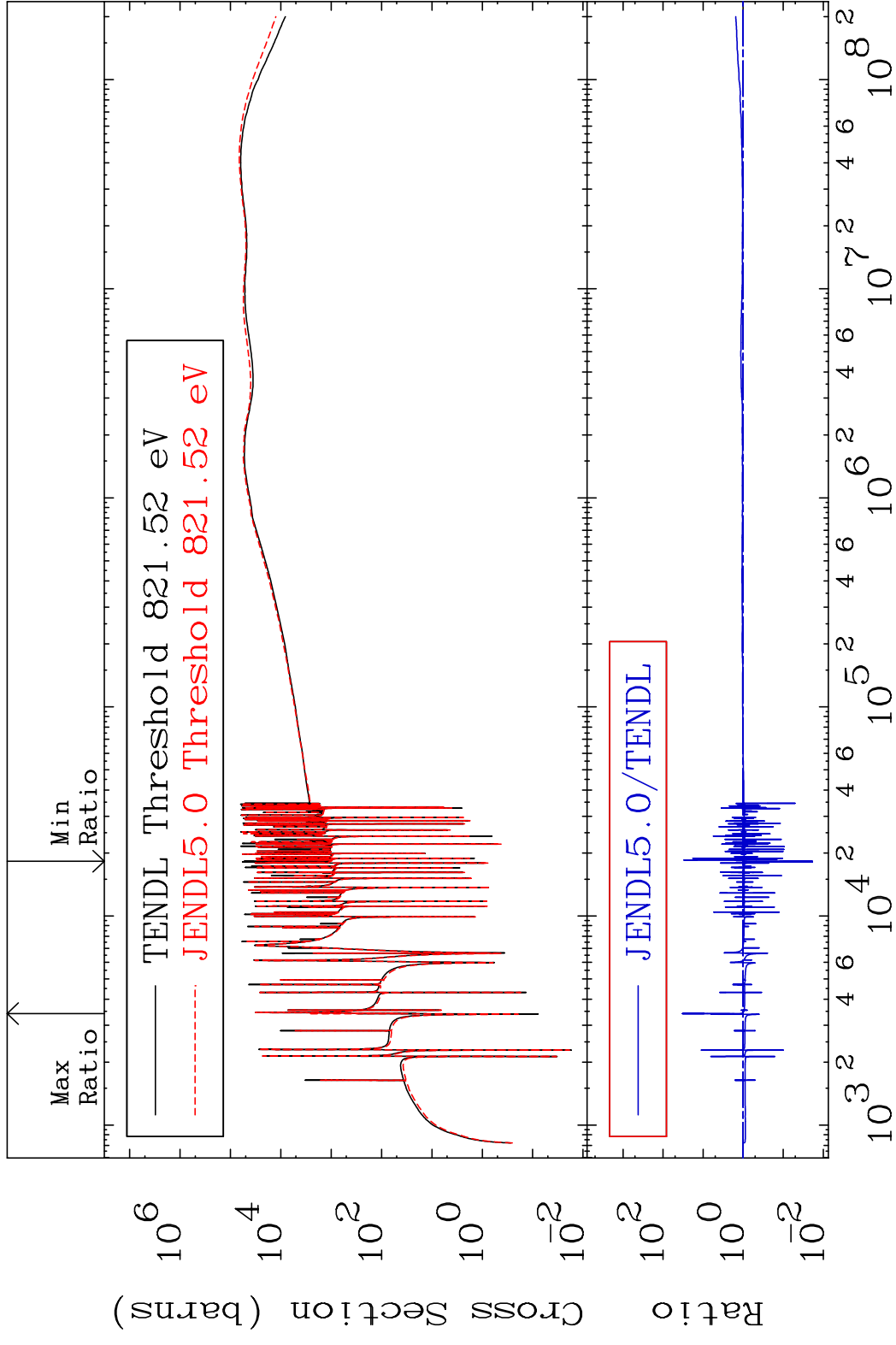
MAT 5643

Dpa elastic (mt2)

56-Ba-136

Cross Section

-98.15 To 3194. %



61

Incident Energy (eV)

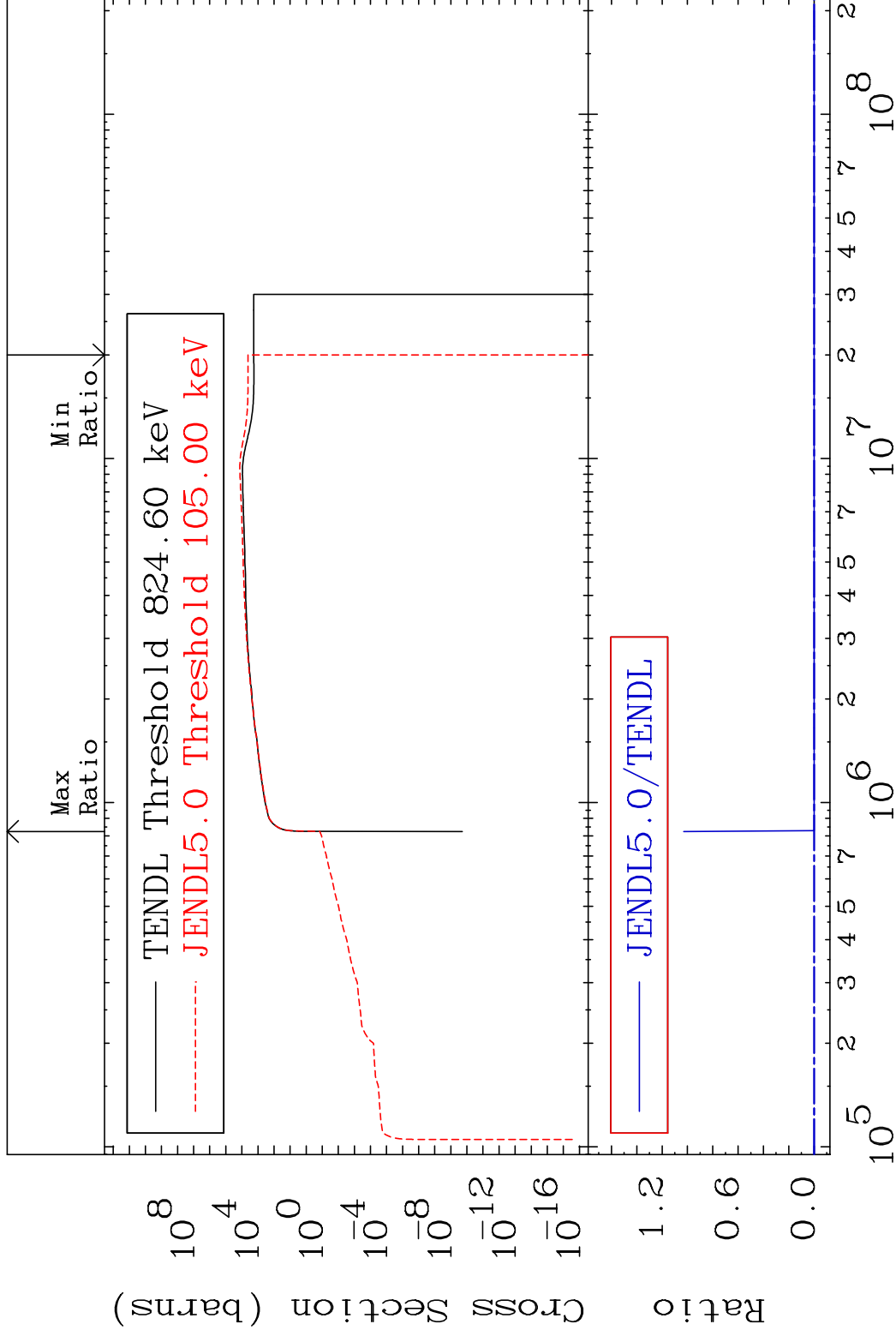
56-Ba-136

MAT 5643

Dpa inelastic (mt51-91)

56-Ba-136

Cross Section -100.0 To 9999. %

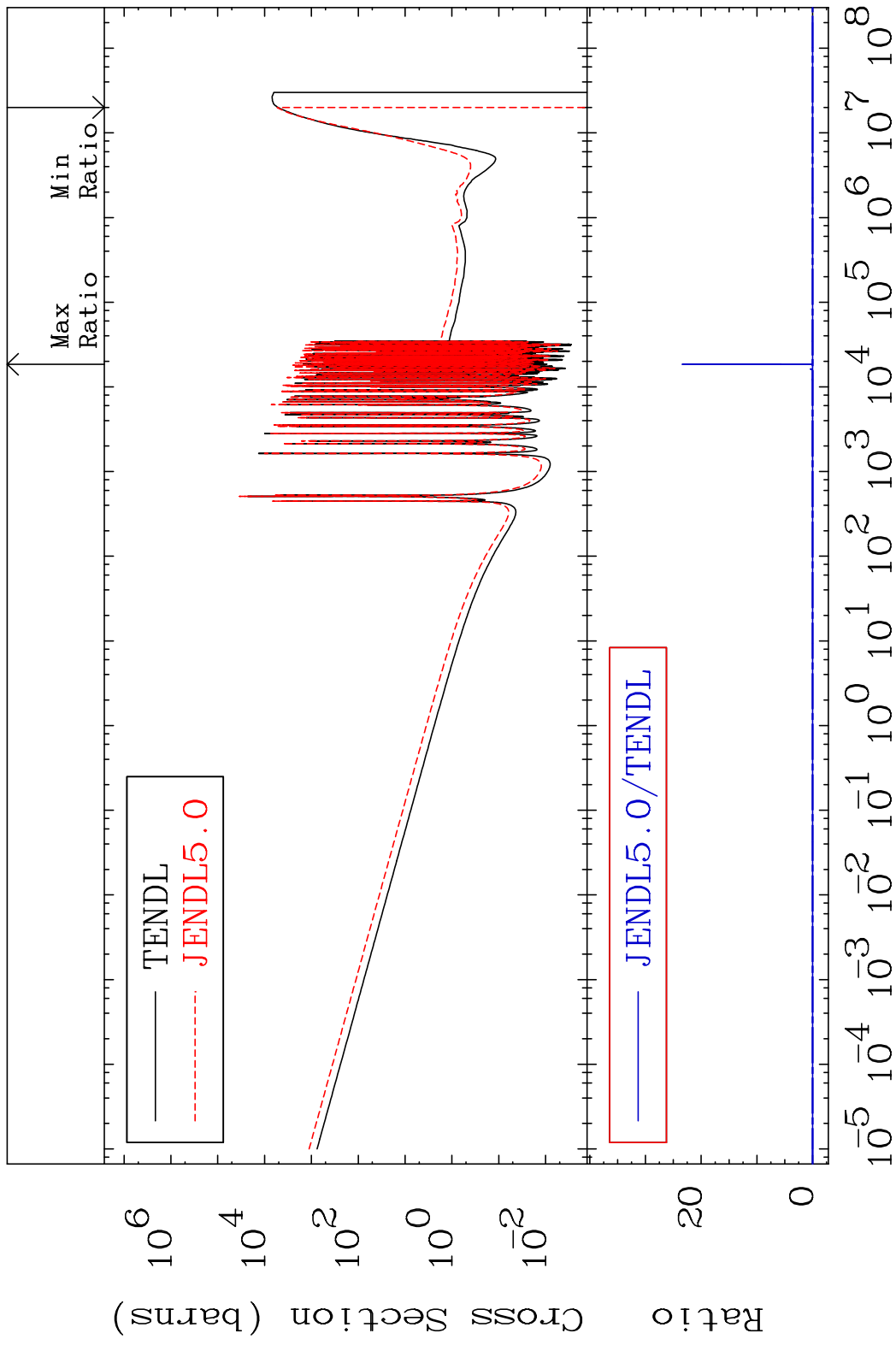


62

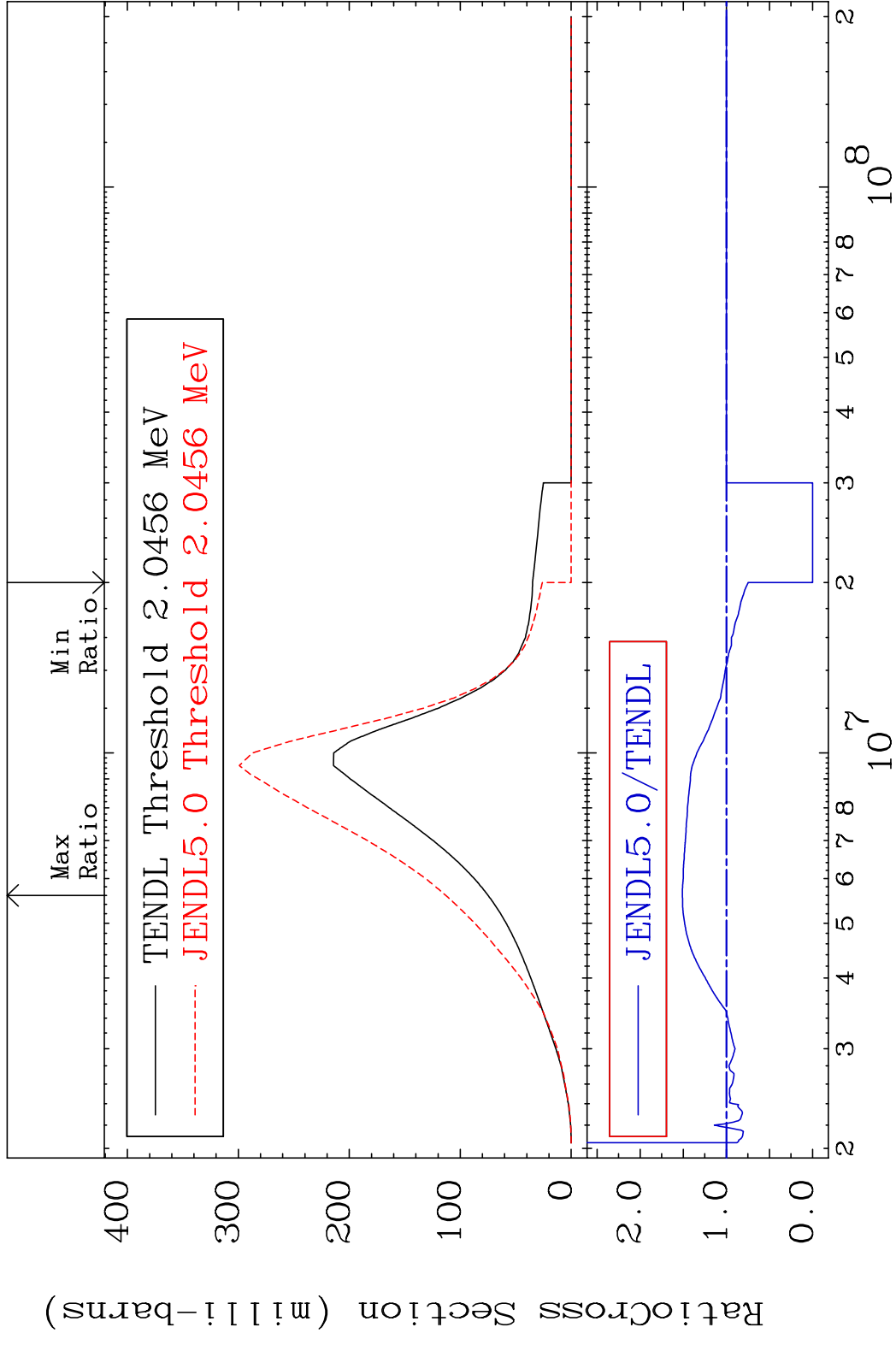
Incident Energy (eV)

56-Ba-136

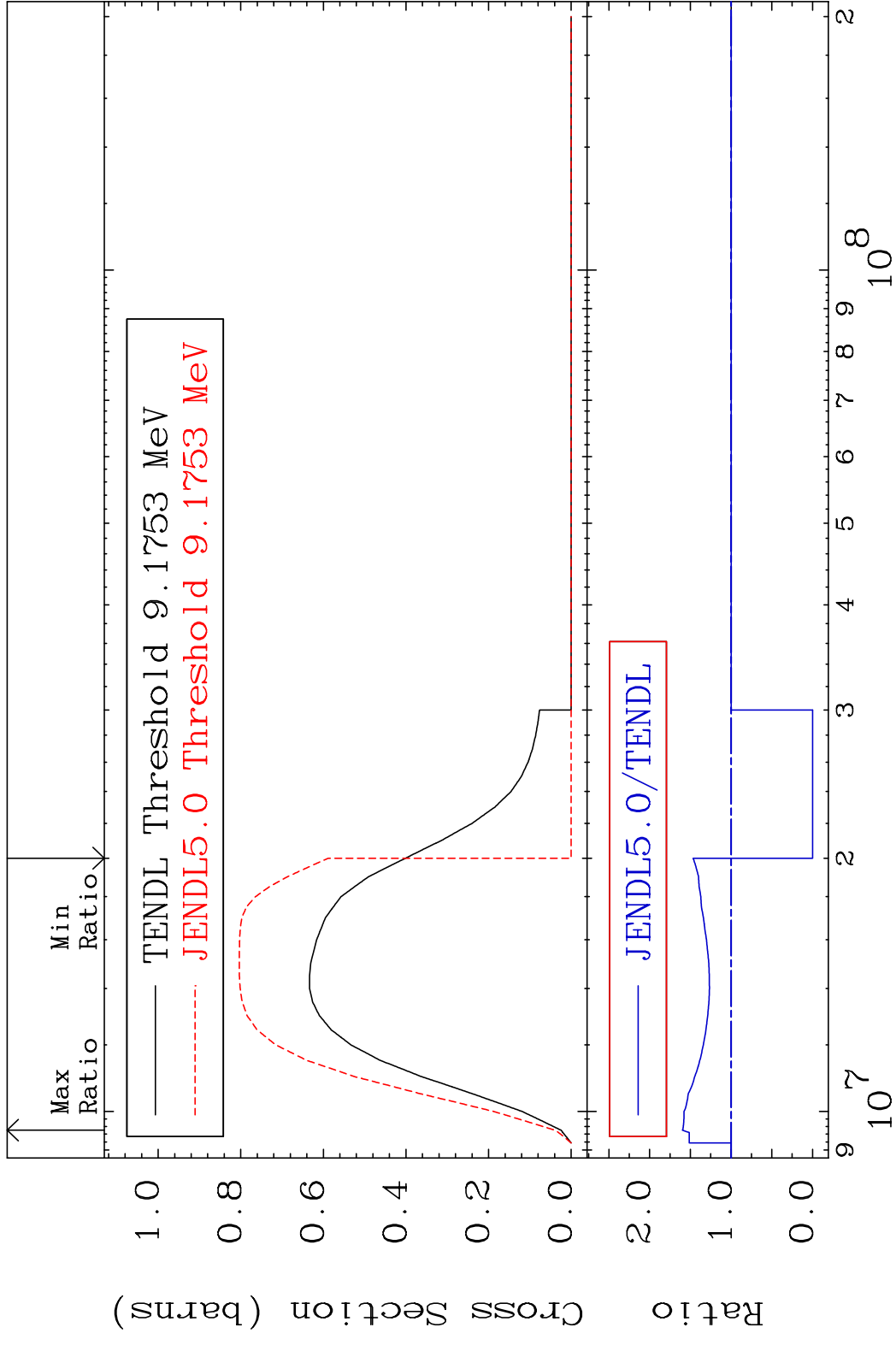
MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136  
 Cross Section -100.0 To 9999. %



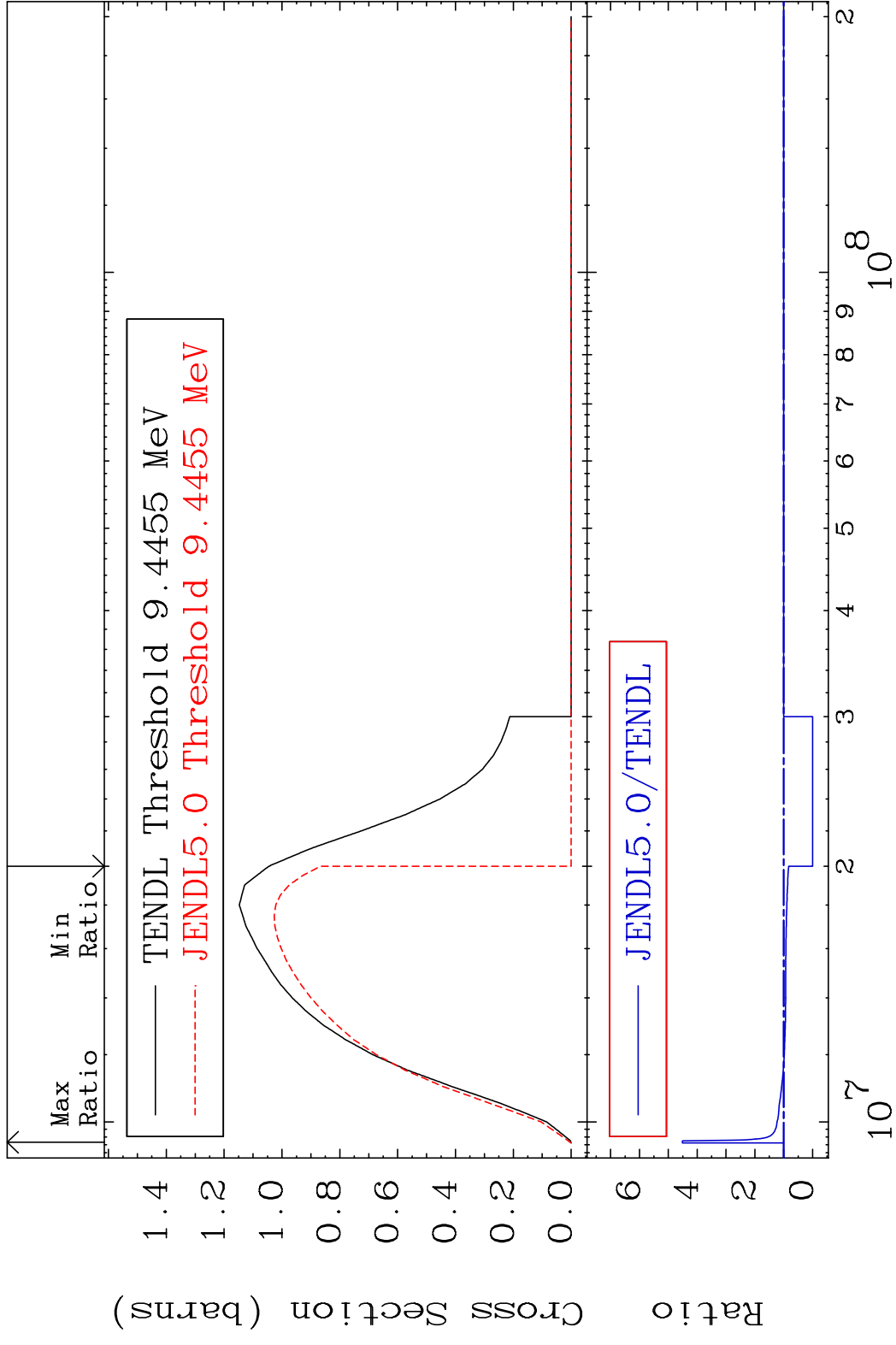


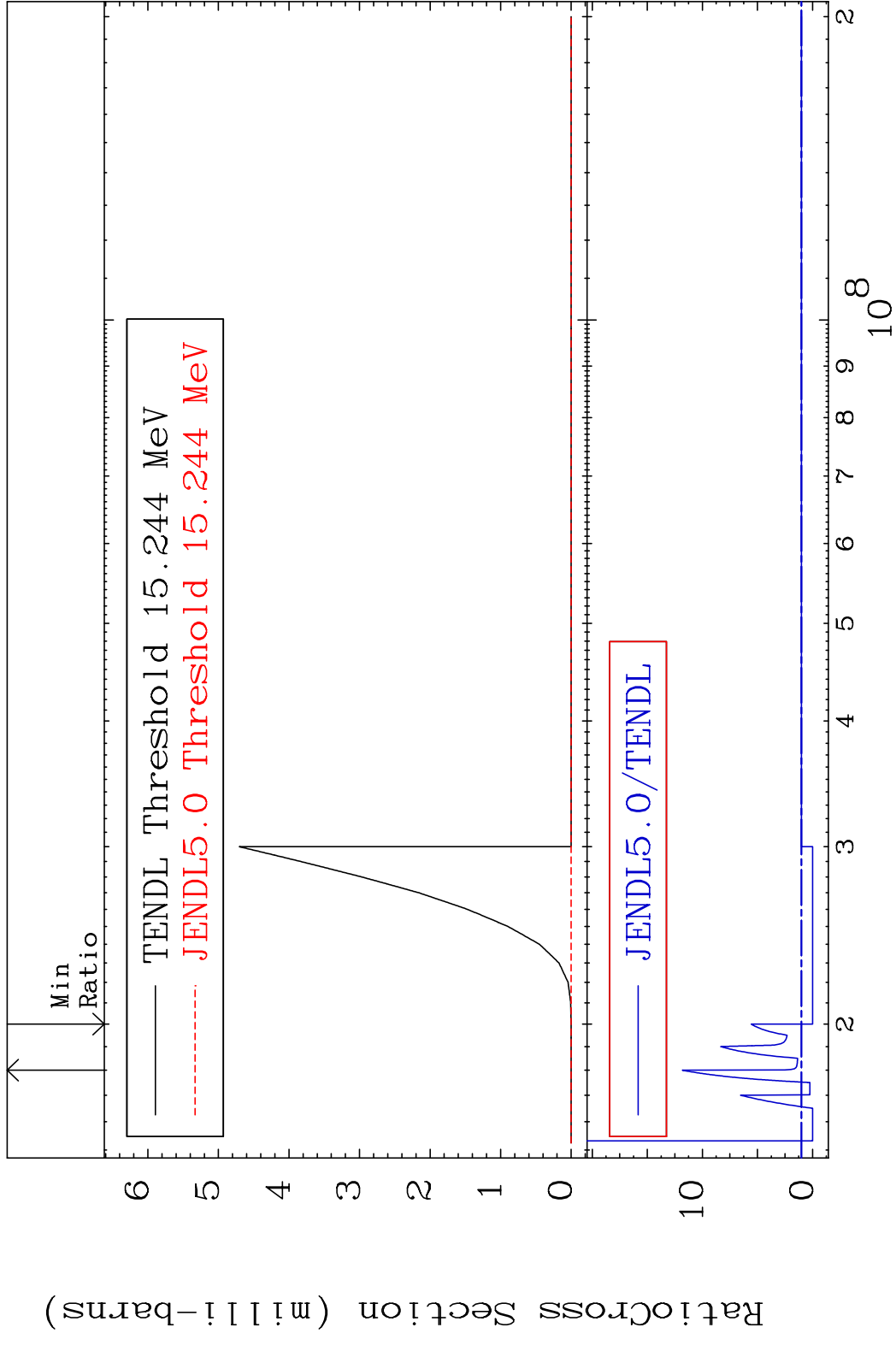


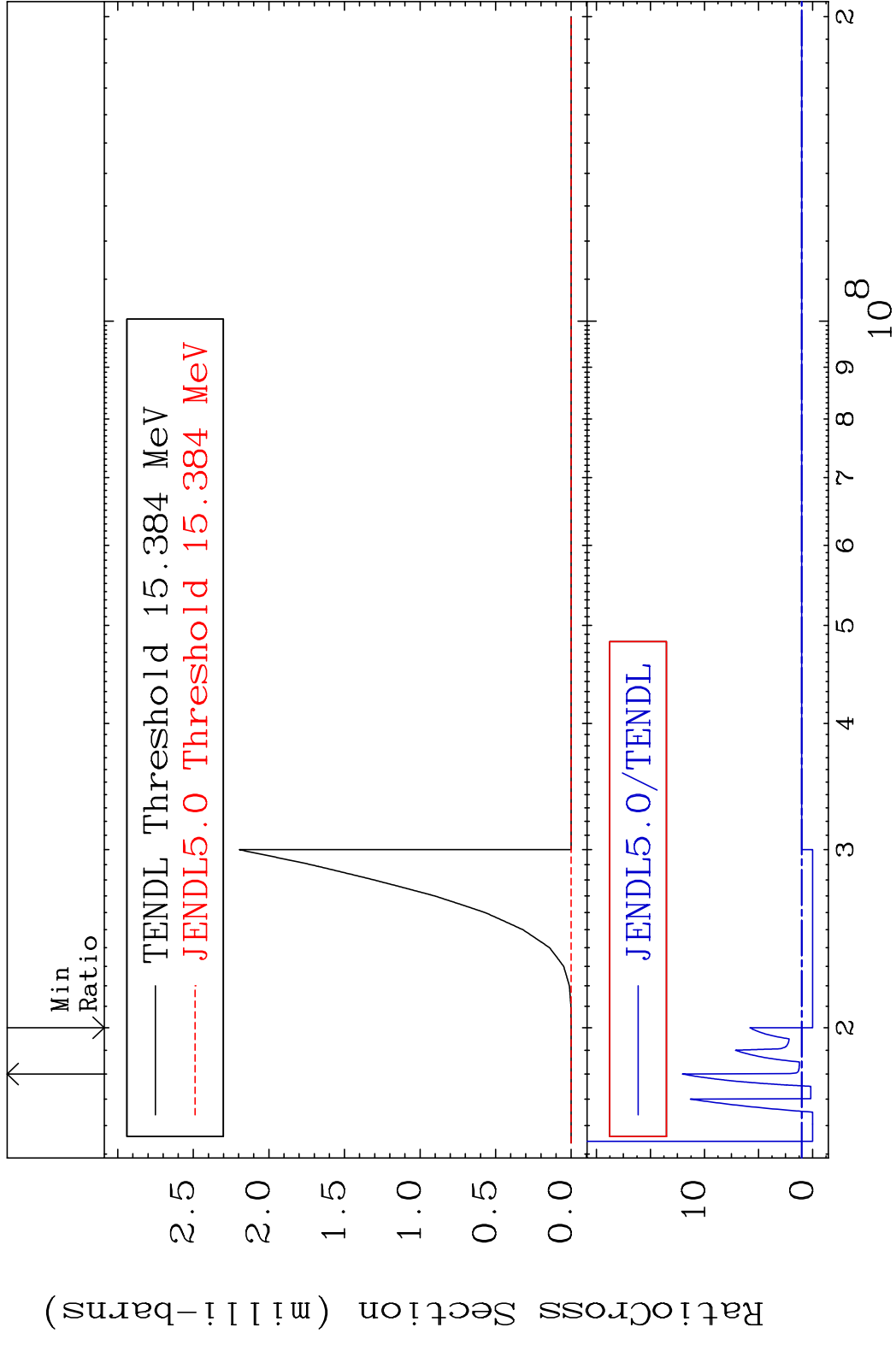
MAT 5643 (n,2n):56-Ba-135g 56-Ba-136  
 Radionuclide Production Cross Section Ratio 59.85 %

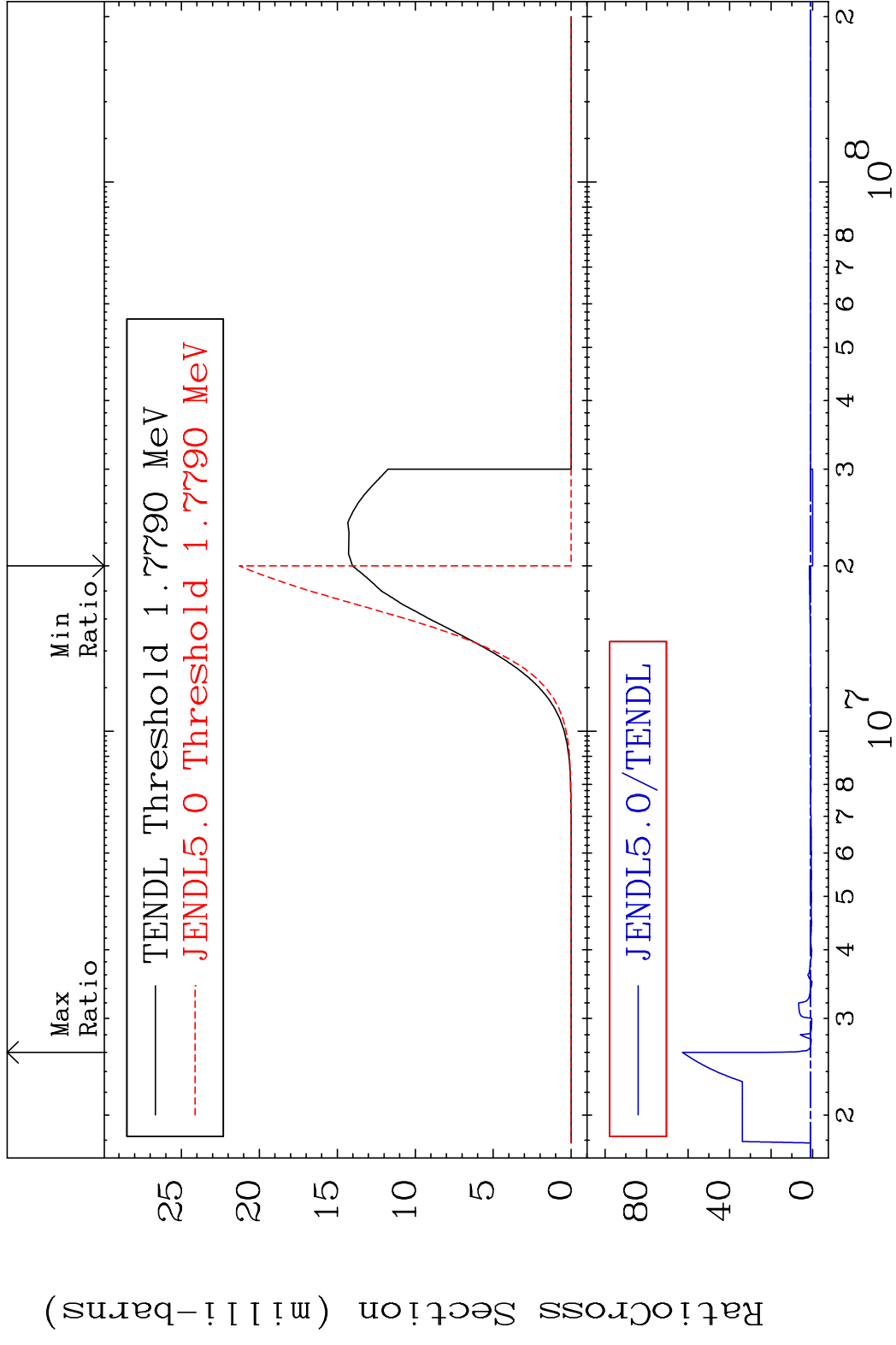


MAT 5643 (n,2n):56-Ba-135m2 56-Ba-136  
 Radionuclide Production Cross Section 180.0 dth 351.4 %

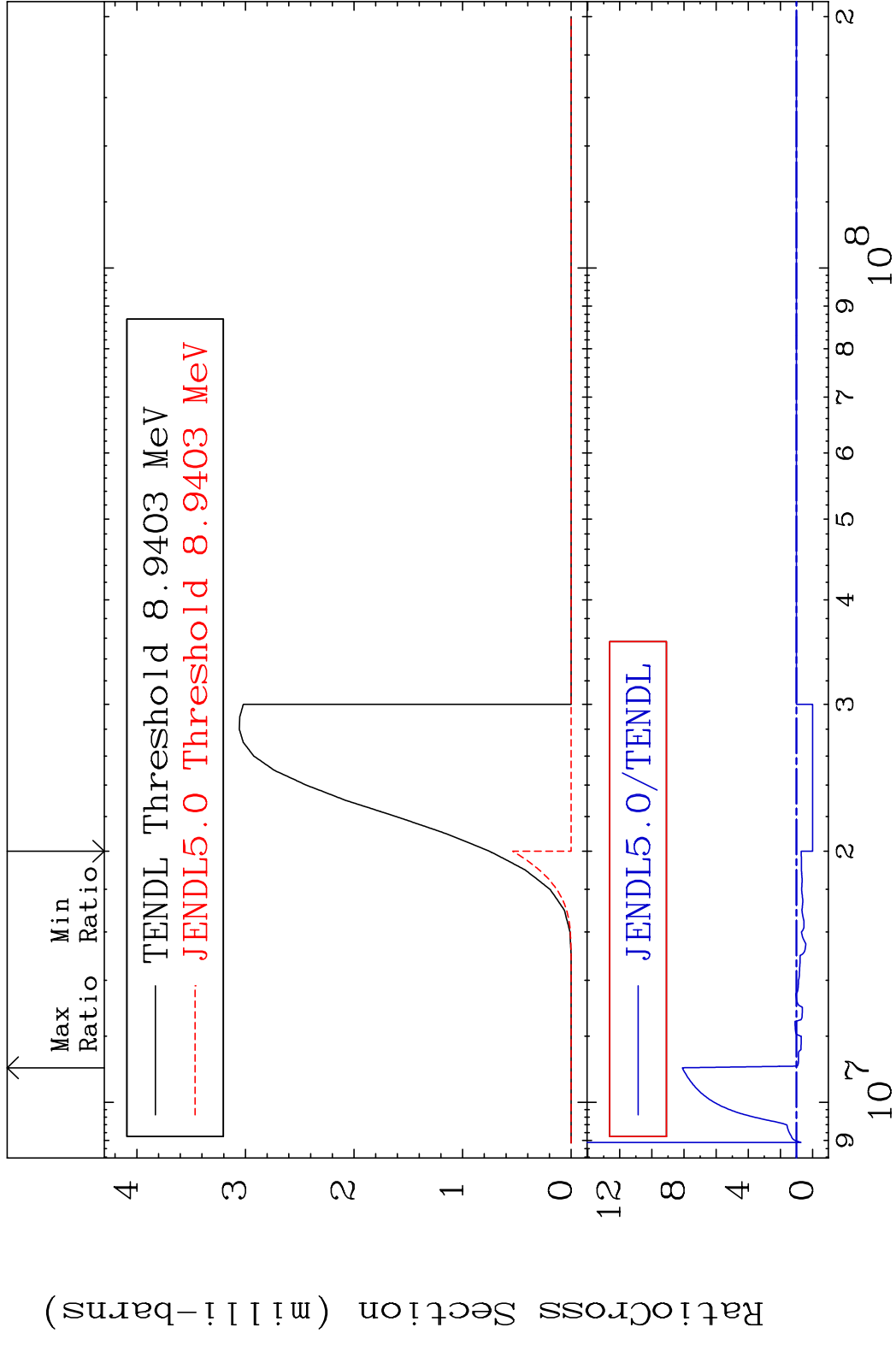








MAT 5643 (n,t):55-Cs-134g 56-Ba-136  
 Radionuclide Production Cross Section 180.0 dth 710.4 %



70 Incident Energy (eV) 56-Ba-136

MAT 5643 (n, t):55-Cs-134m3 56-Ba-136  
 Radionuclide Production Cross Section Ratio

