

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

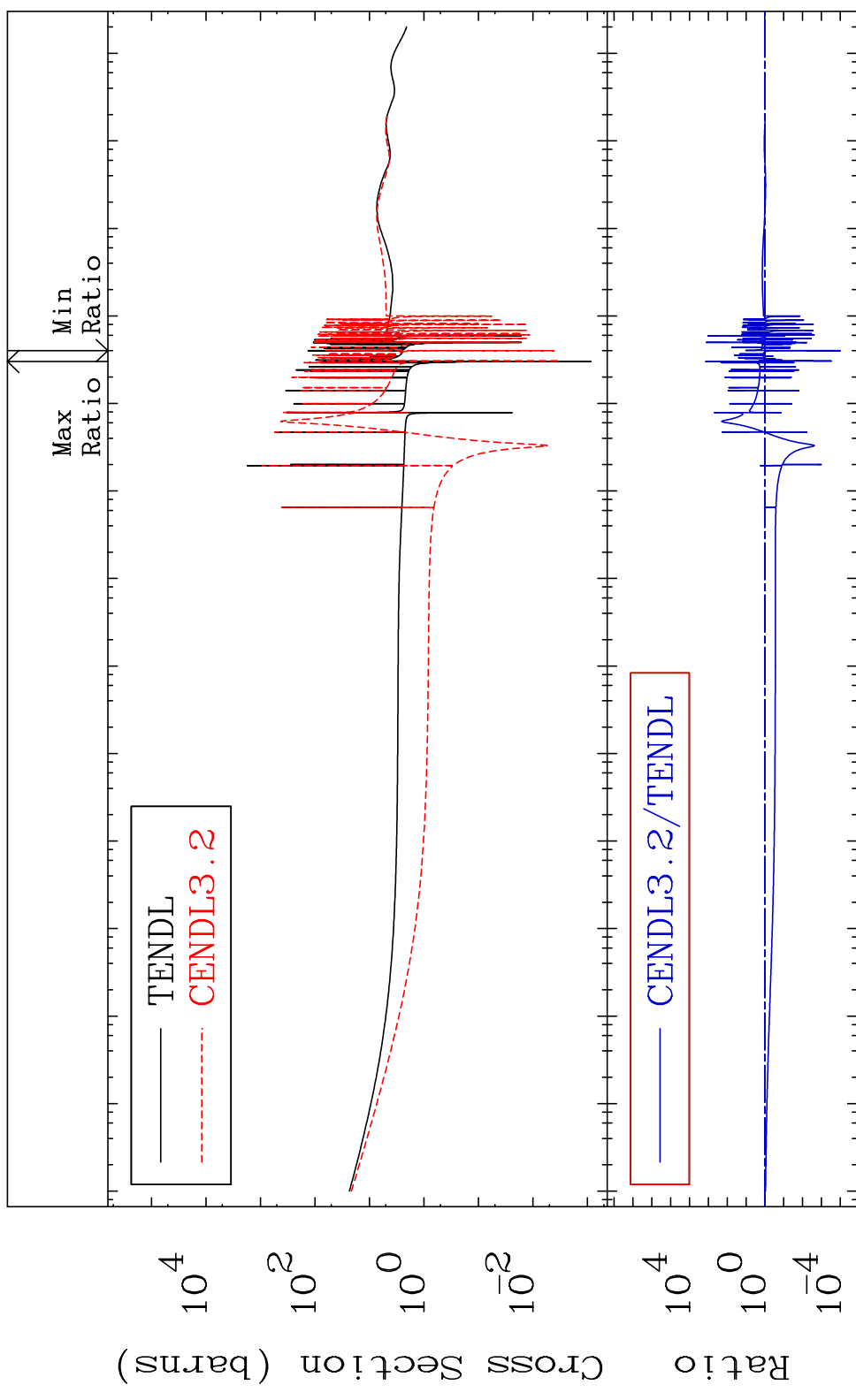
MAT 5649

Total

56-Ba-138

Cross Section

-99.99 To 9999. %



10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

1

Incident Energy (eV)

56-Ba-138

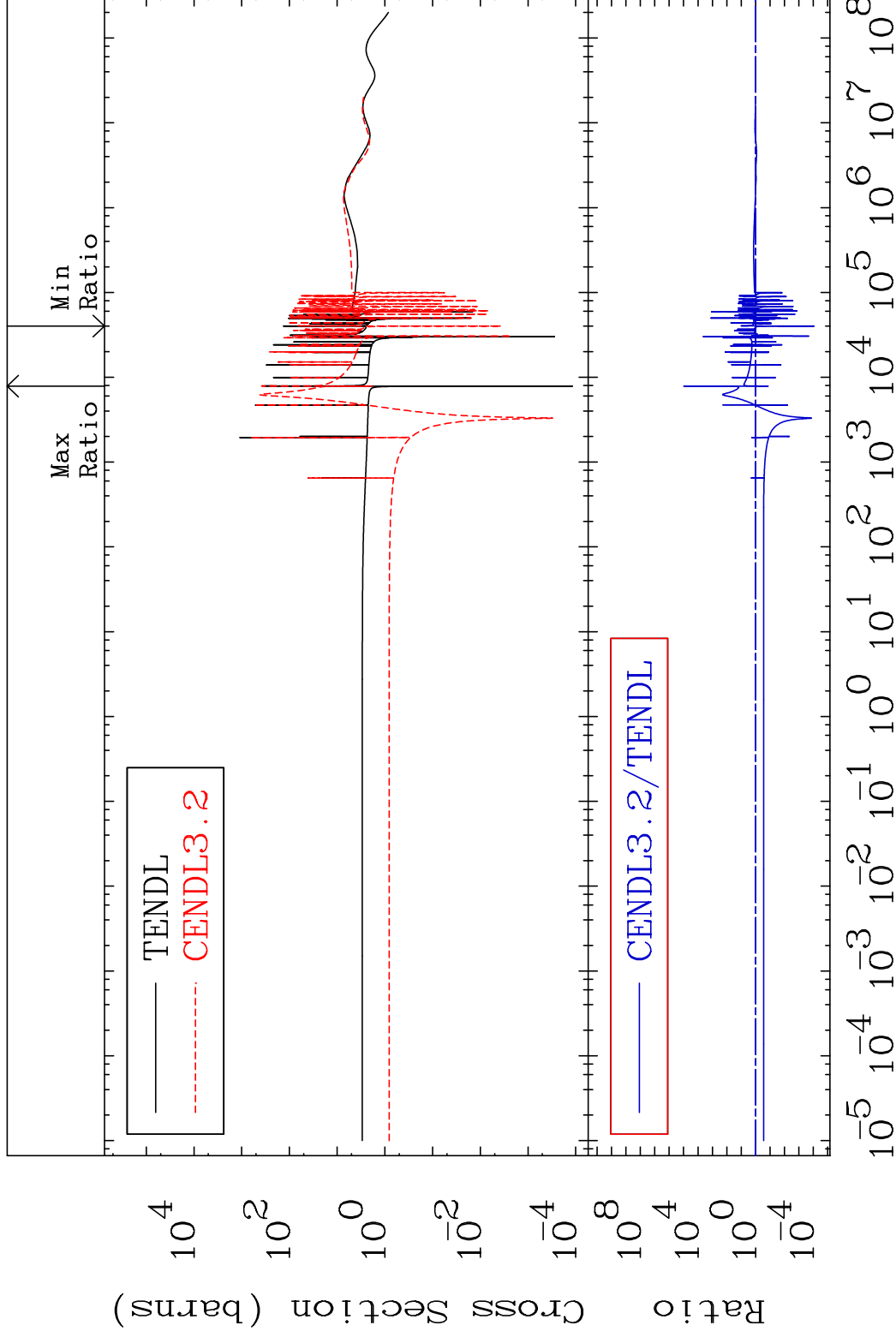
MAT 5649

Elastic

56-Ba-138

Cross Section

-99.99 To 9999. %

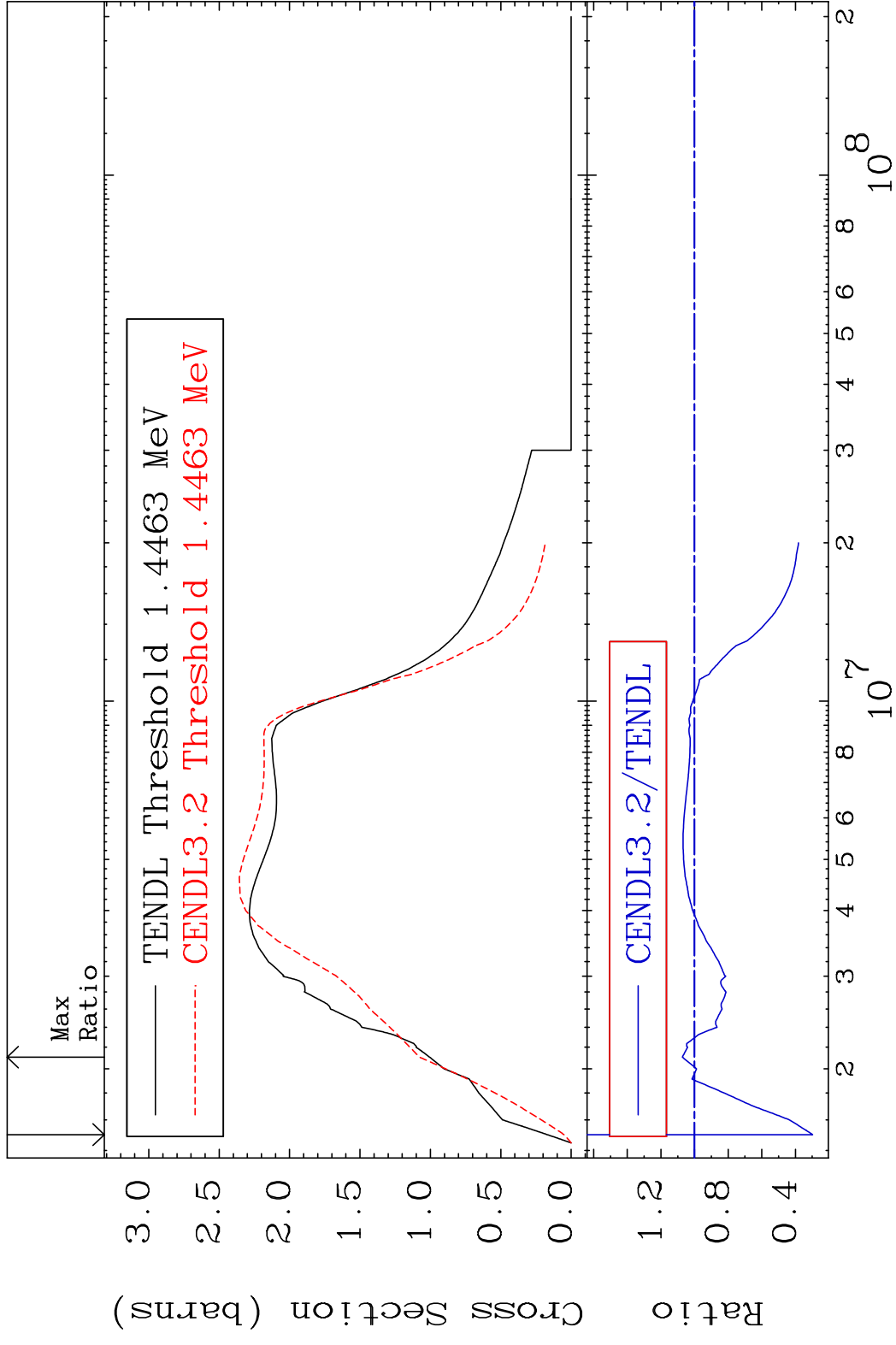


2

Incident Energy (eV)

56-Ba-138

MAT 5649 Inelastic 56-Ba-138
 Cross Section -70.18 To 7.243 %



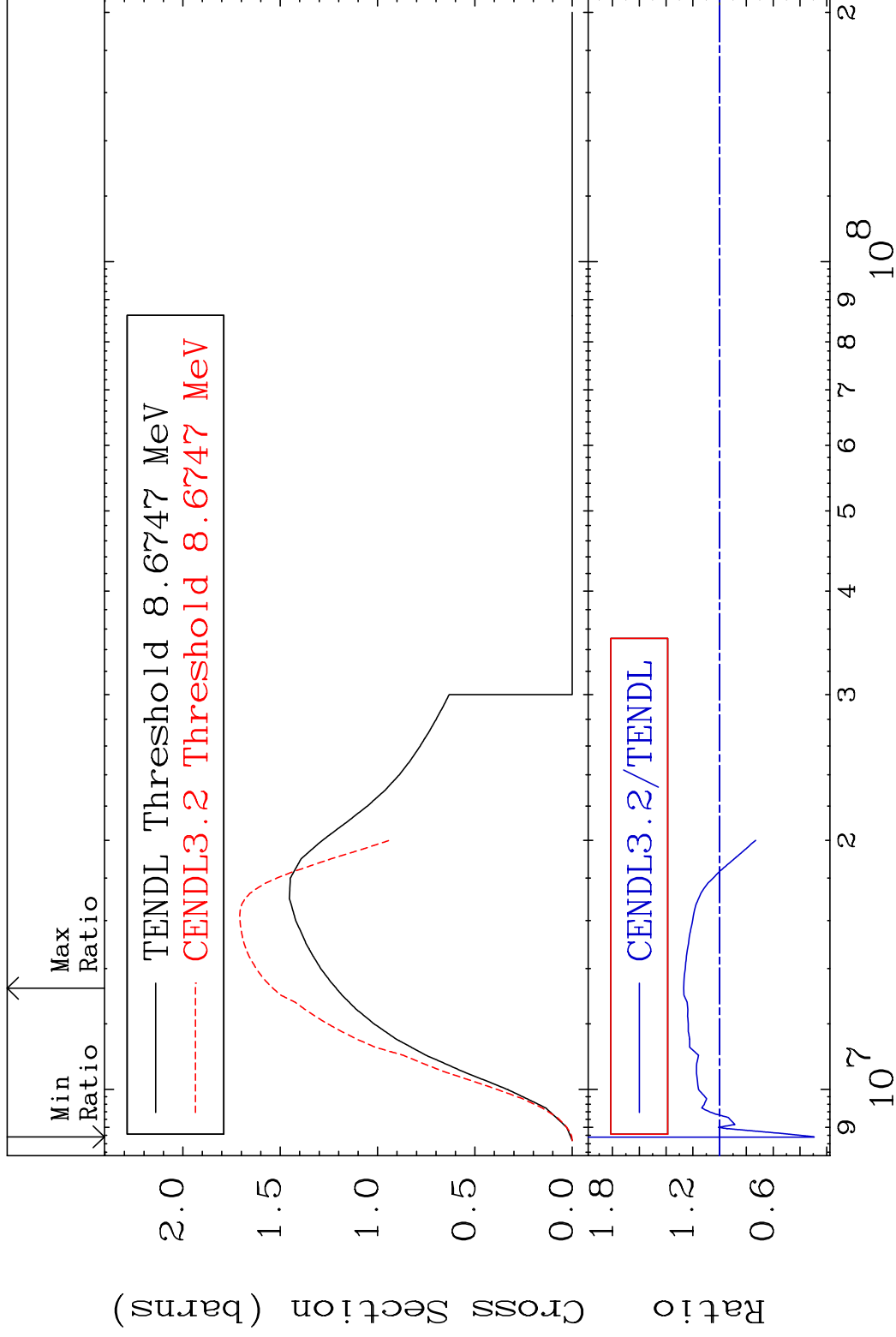
3 Incident Energy (eV) 56-Ba-138

MAT 5649

(n,2n)

56-Ba-138

Cross Section -70.59 To 26.85 %



4

Incident Energy (eV)

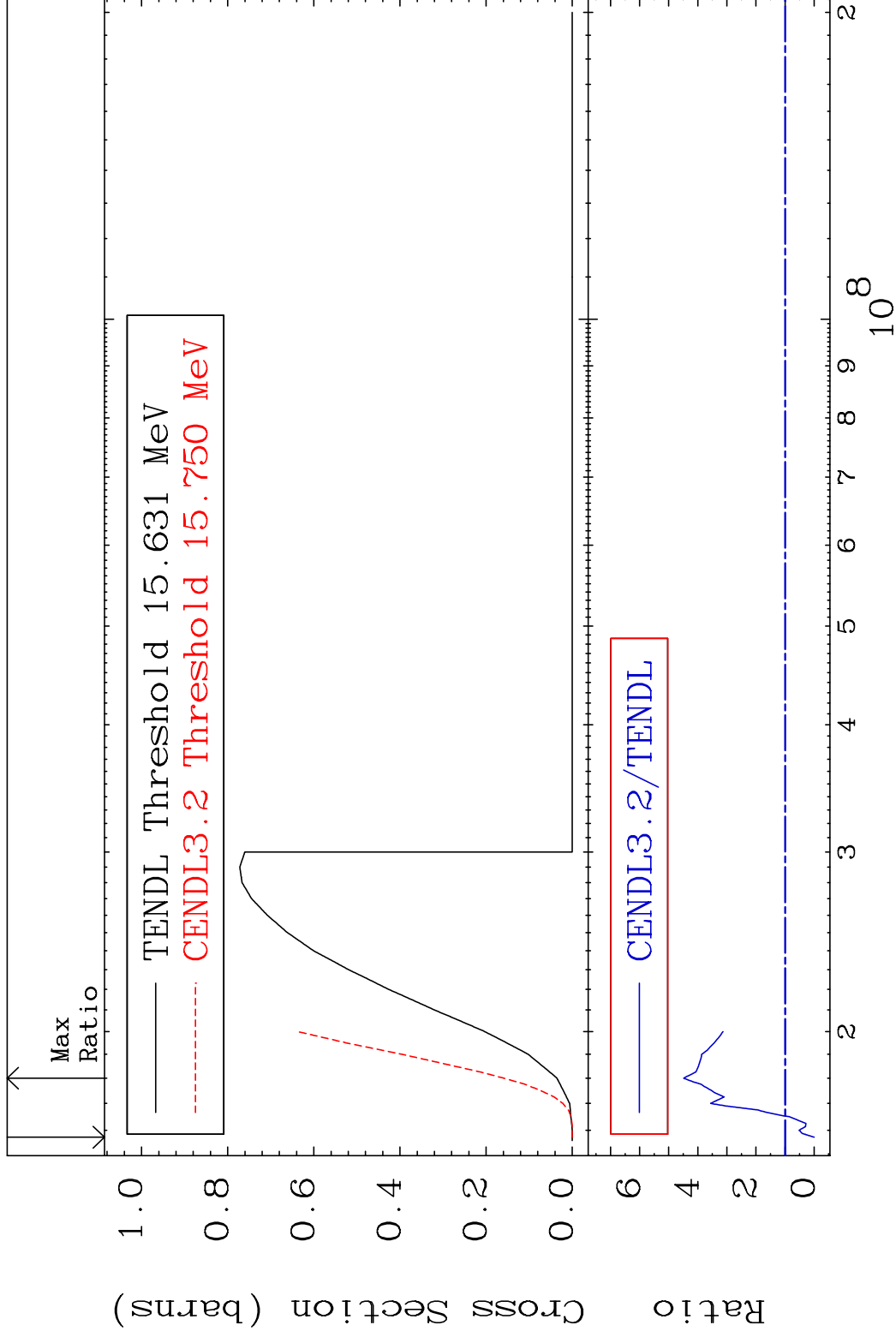
56-Ba-138

MAT 5649

(n,3n)

56-Ba-138

Cross Section -100.0 To 348.6 %



5

Incident Energy (eV)

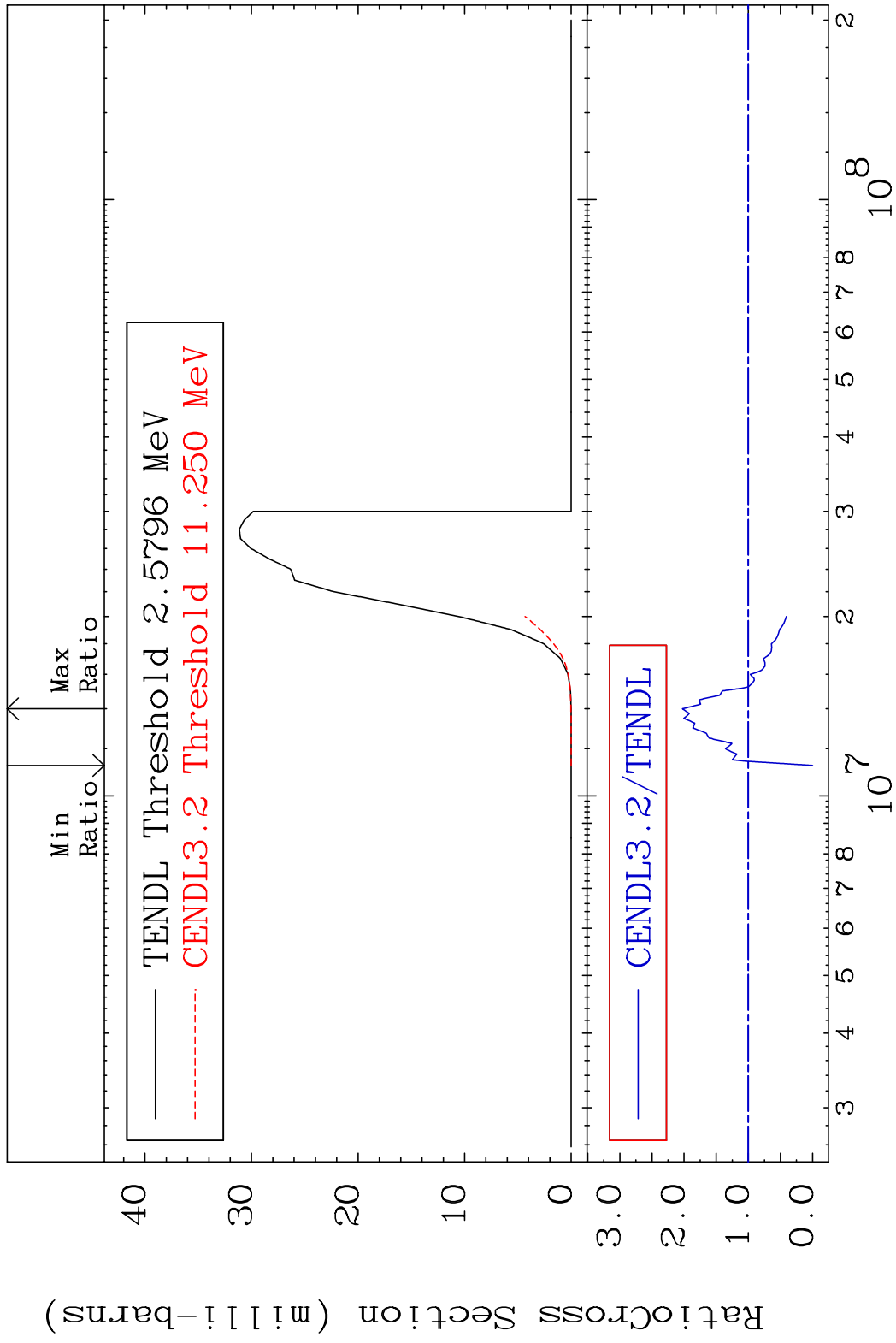
56-Ba-138

MAT 5649

(n, n') α

56-Ba-138

Cross Section -100.0 To 102.7 %



6

Incident Energy (eV)

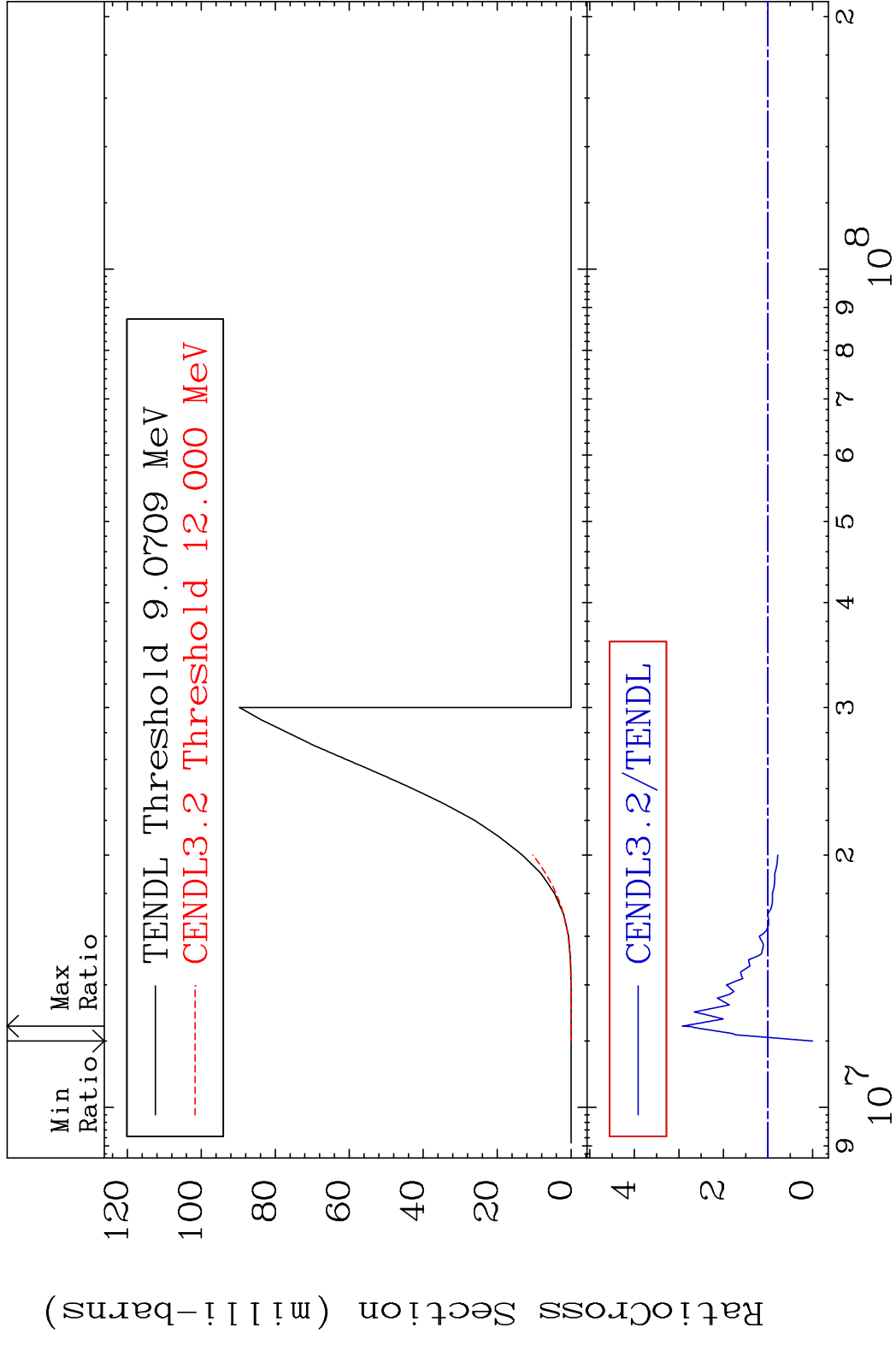
56-Ba-138

MAT 5649

(n, n') p

56-Ba-138

Cross Section -100.0 To 192.2 %

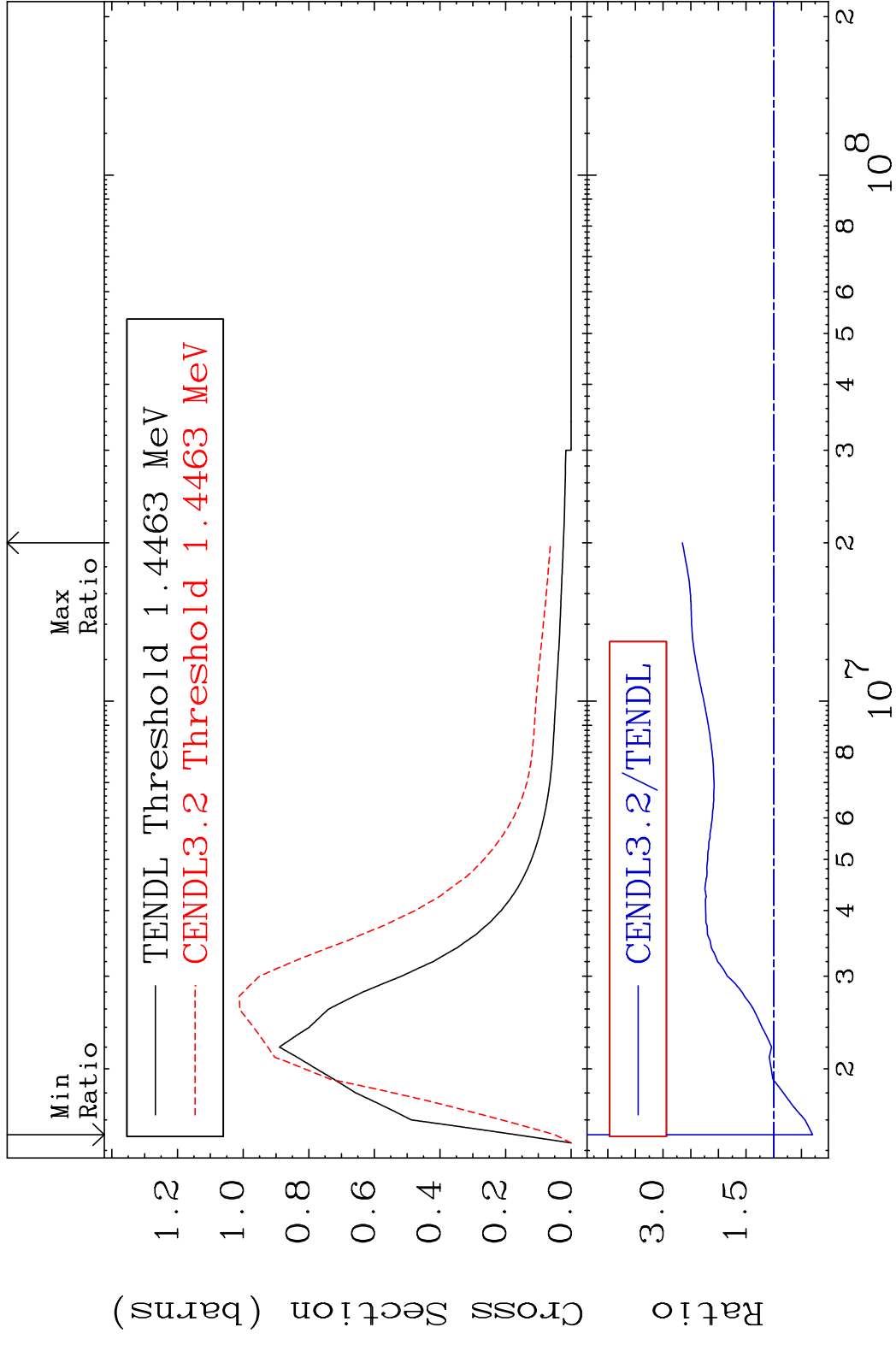


7

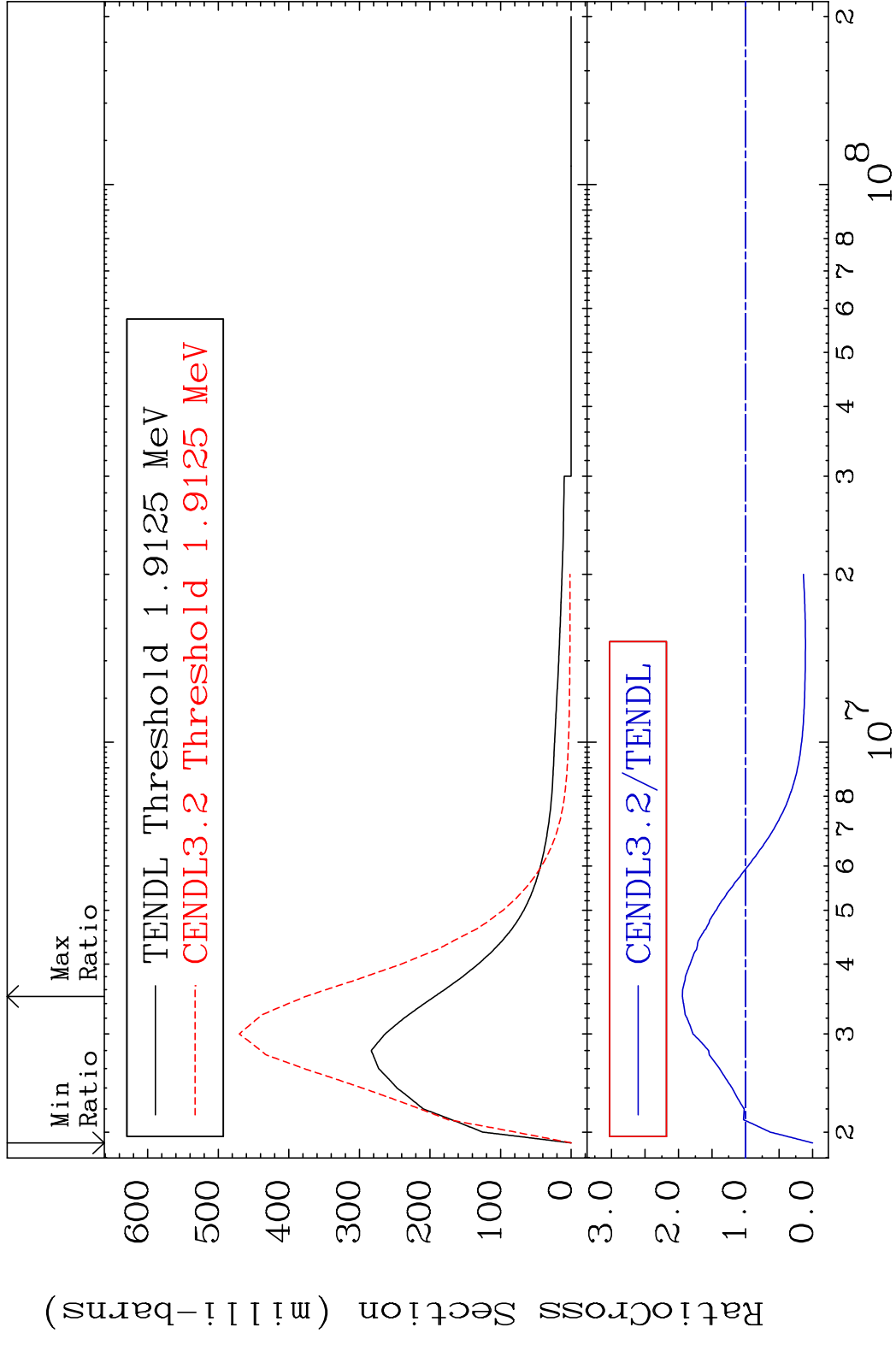
Incident Energy (eV)

56-Ba-138

MAT 5649 MT= 51 (n, n') Level 56-Ba-138
 Cross Section -70.18 To 165.2 %



MAT 5649 MT= 52 (n, n') Level 56-Ba-138
 Cross Section -100.0 To 94.30 %

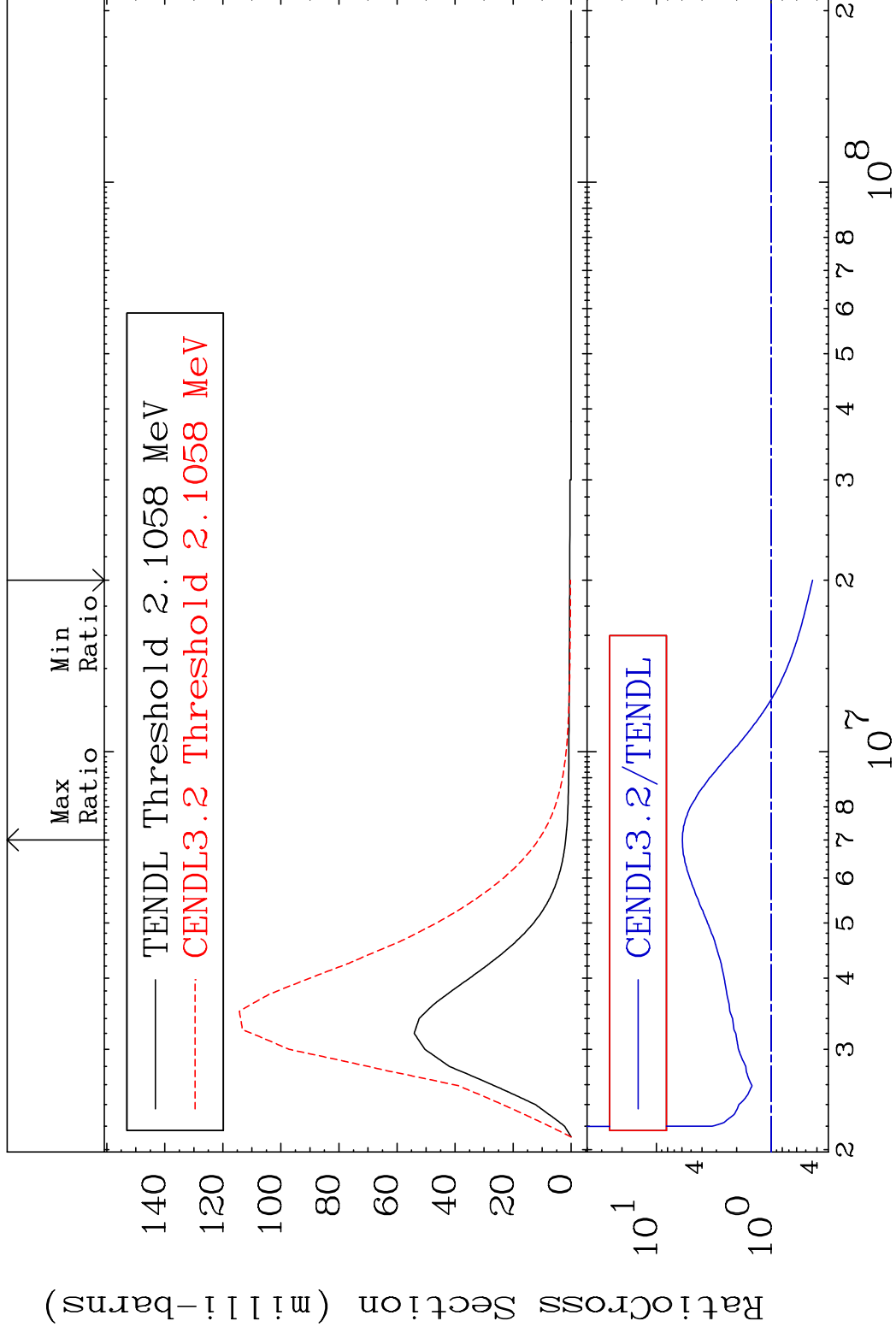


MAT 5649

MT= 53 (n, n') Level

56-Ba-138

Cross Section -56.37 To 494.5 %



10

Incident Energy (eV)

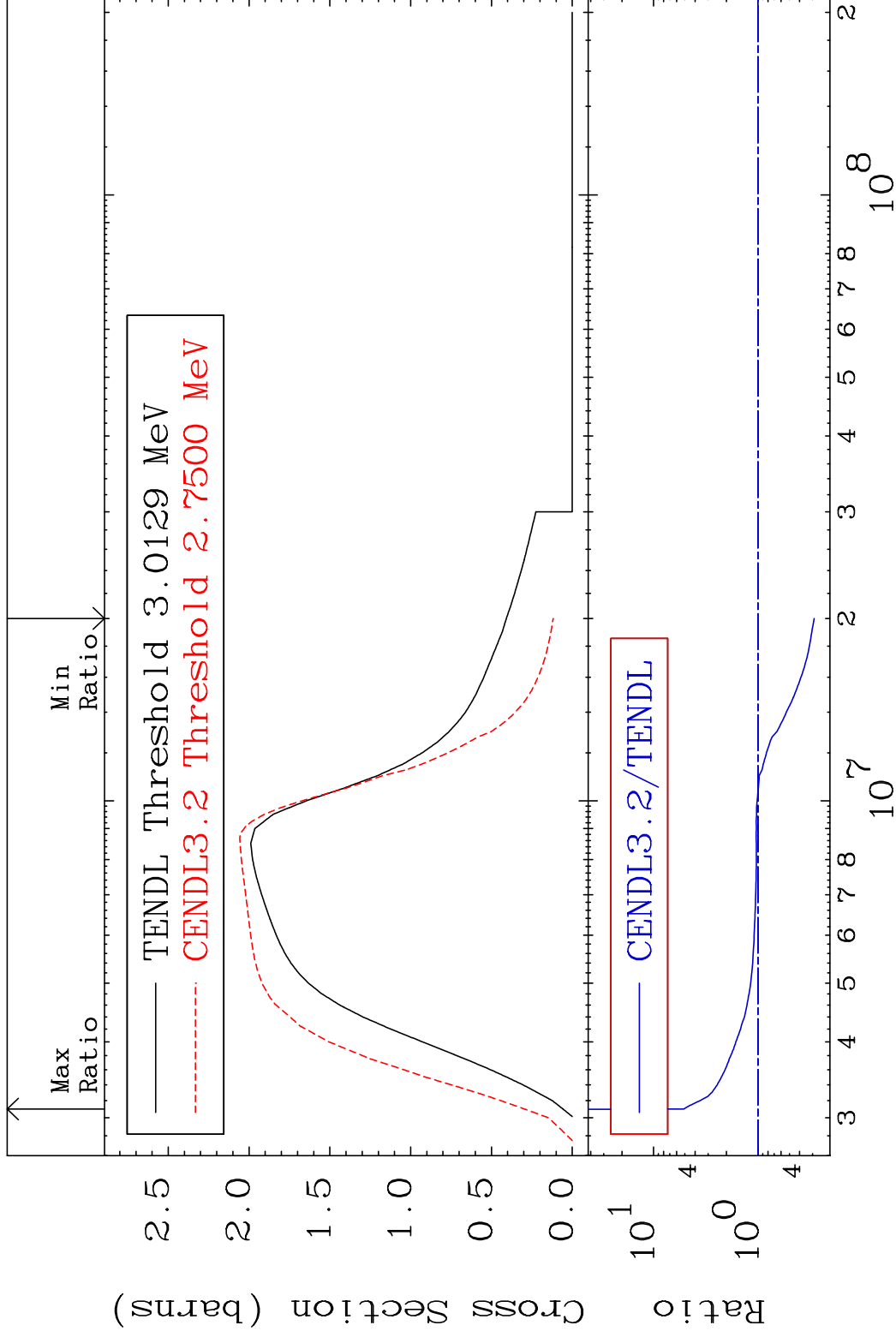
56-Ba-138

MAT 5649

(n,n') Continuum

56-Ba-138

Cross Section -71.02 To 414.2 %

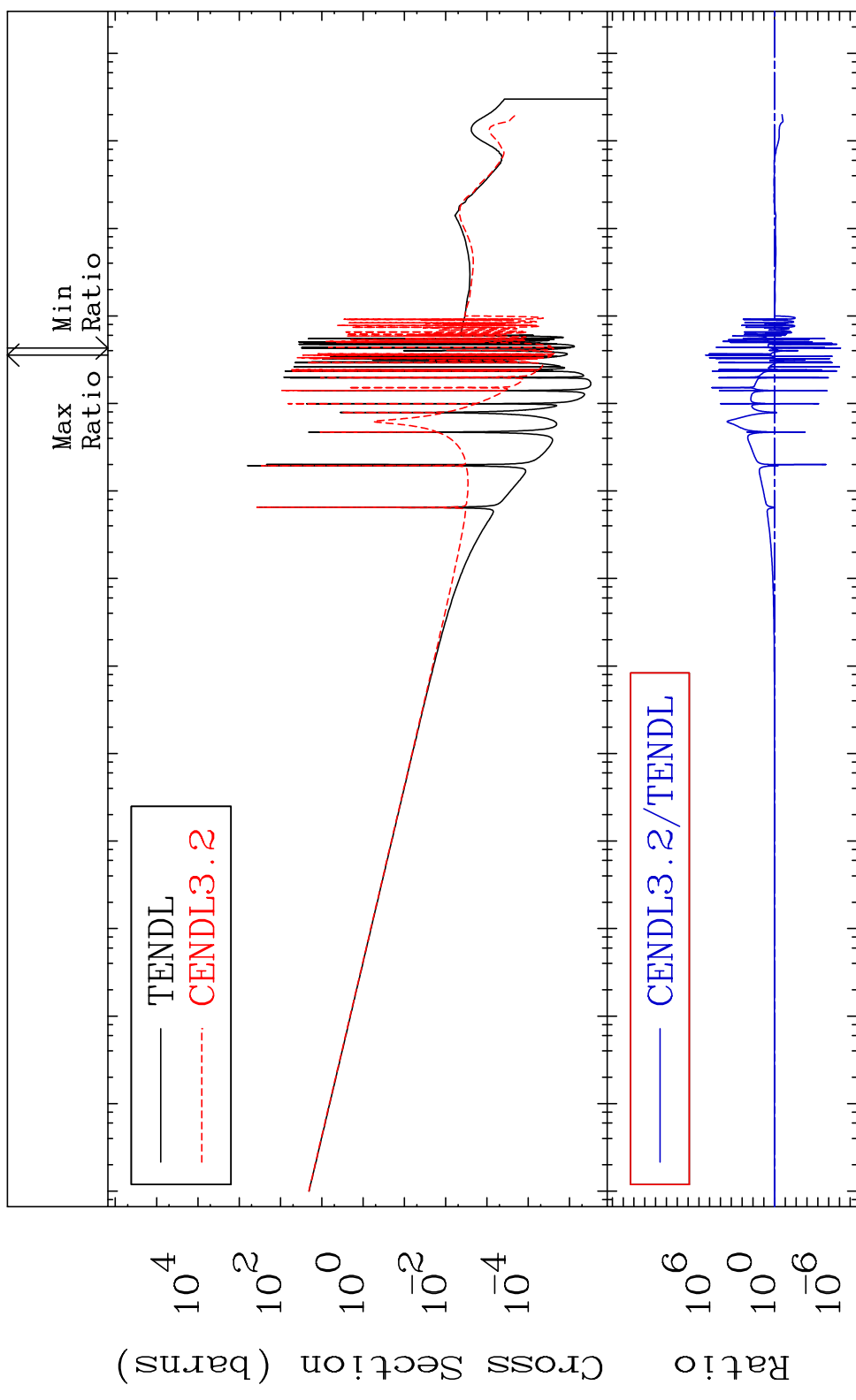


MAT 5649

(n, γ)

56-Ba-138

Cross Section -100.0 To 9999. %

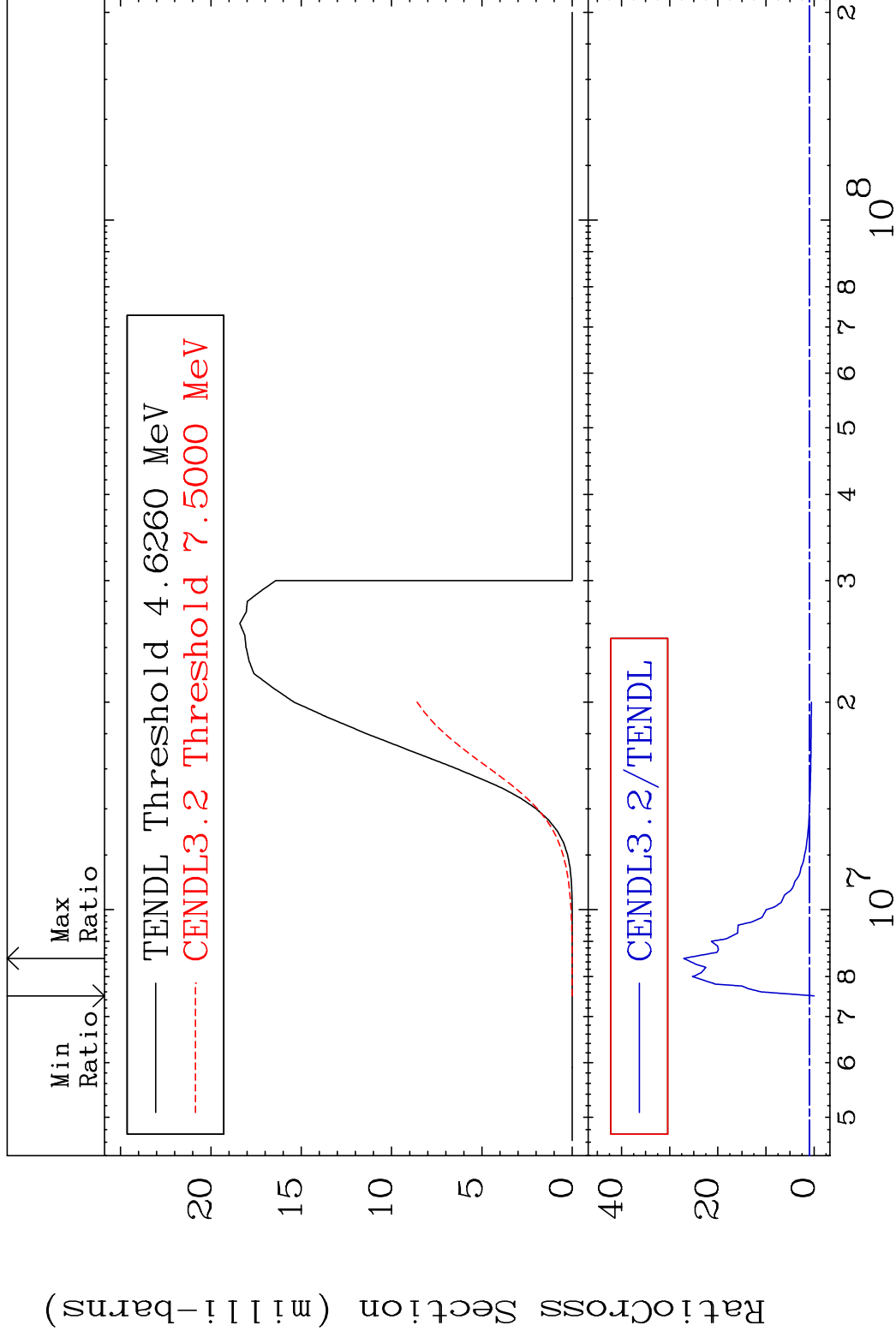


MAT 5649

(n,p)

56-Ba-138

Cross Section -100.0 To 2609. %

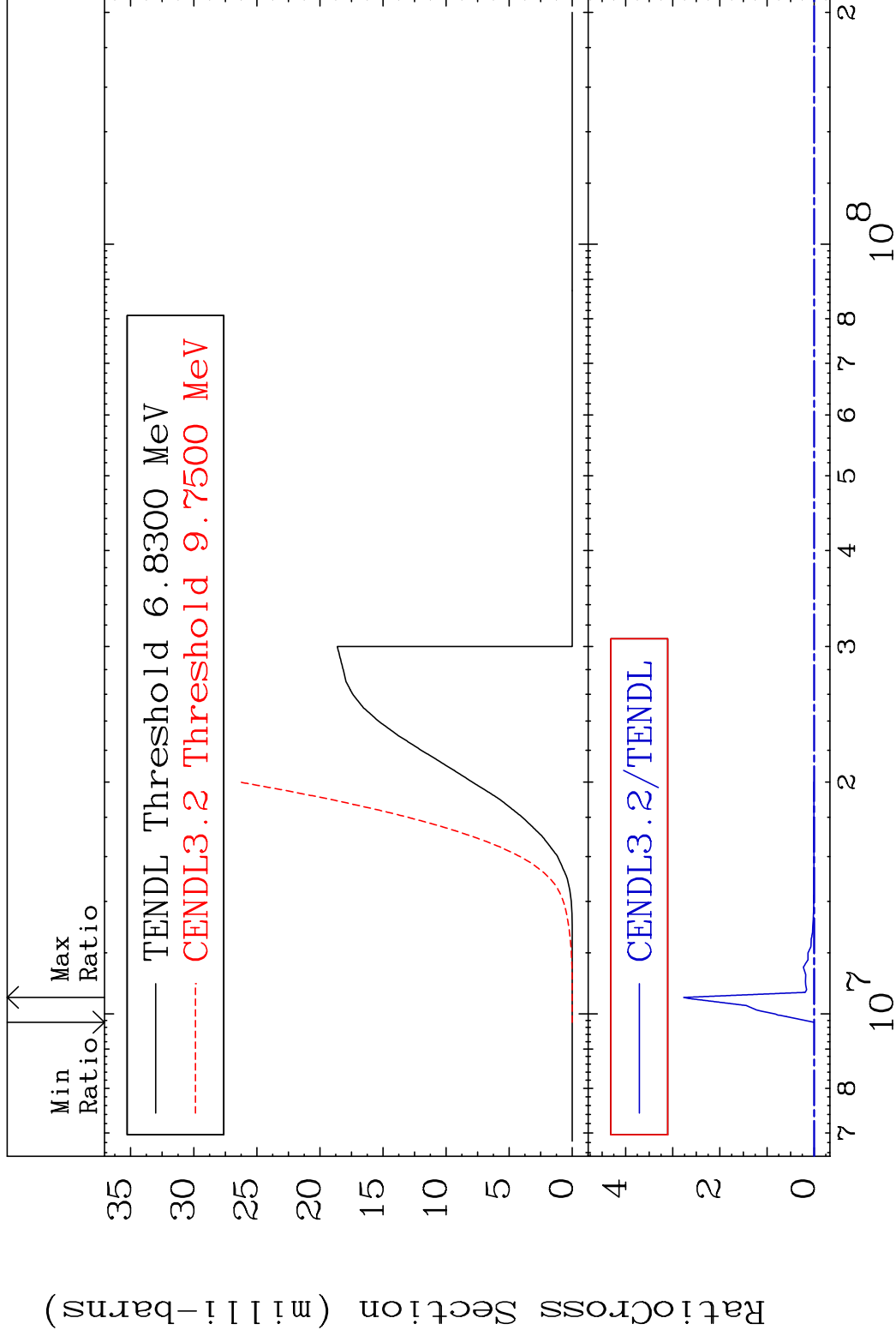


MAT 5649

(n,d)

56-Ba-138

Cross Section -100.0 To 9999. %



14

Incident Energy (eV)

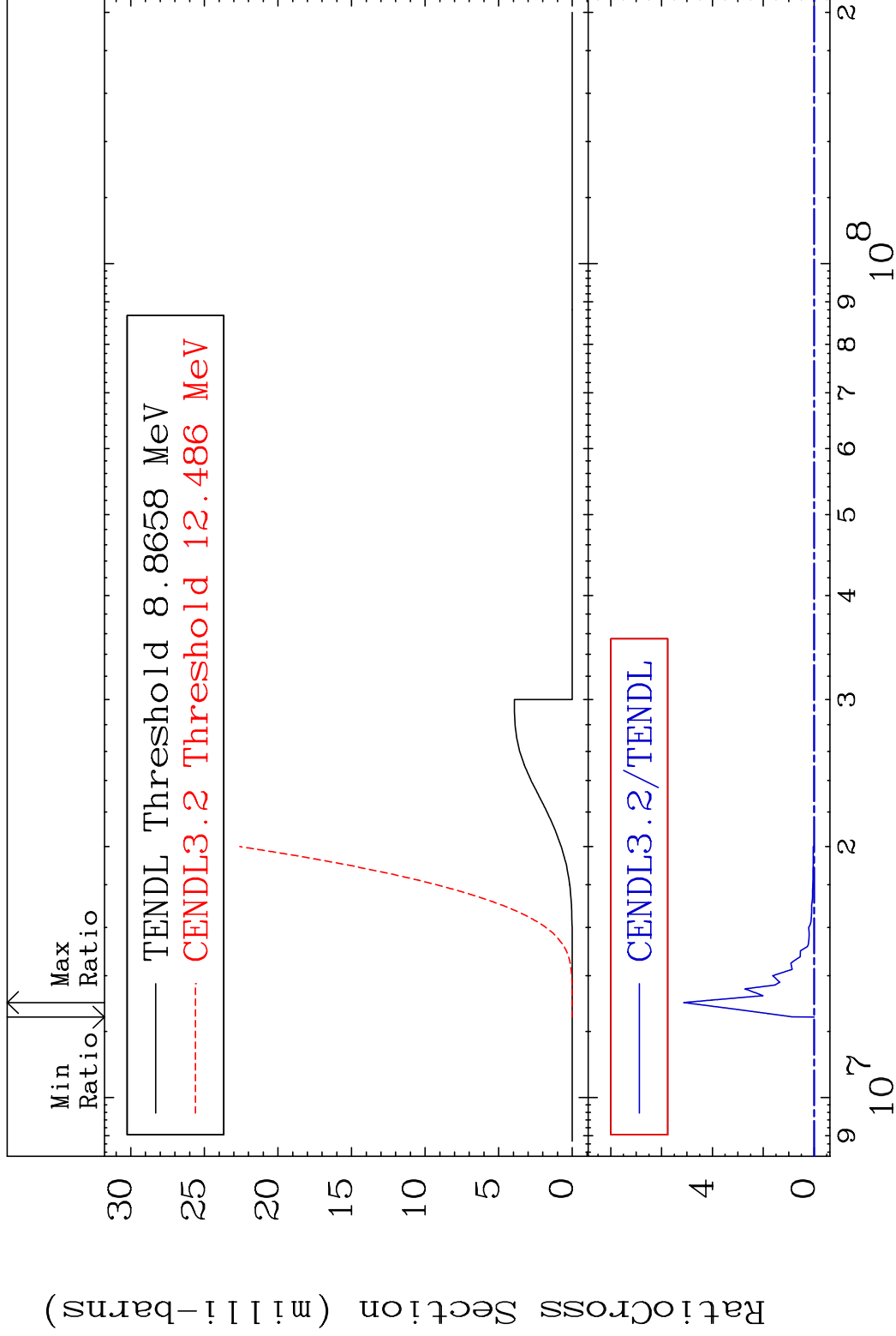
56-Ba-138

MAT 5649

(n, t)

56-Ba-138

Cross Section -100.0 To 9999. %



15

Incident Energy (eV)

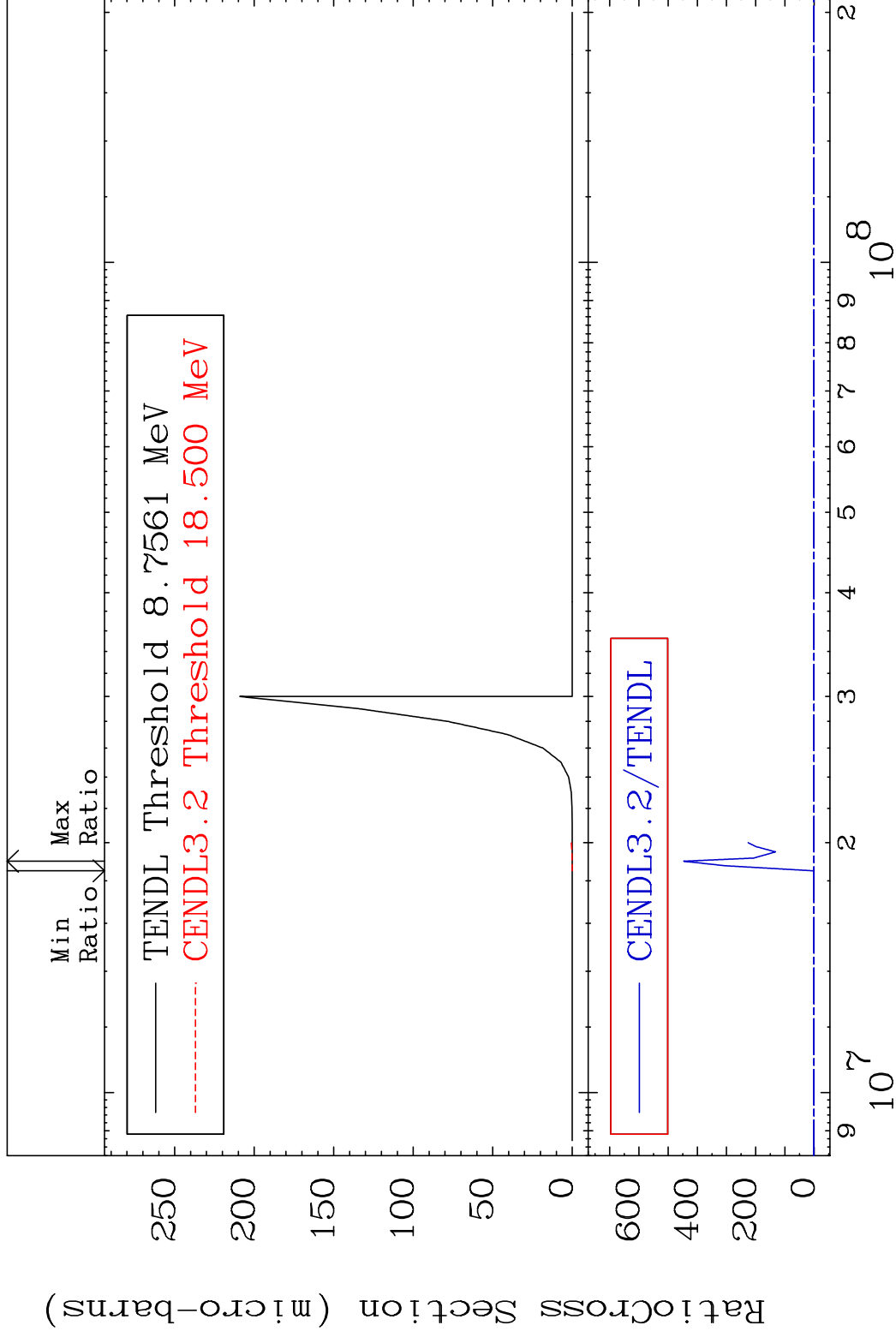
56-Ba-138

MAT 5649

(n, He-3)

56-Ba-138

Cross Section -100.0 To 9999. %



16

Incident Energy (eV)

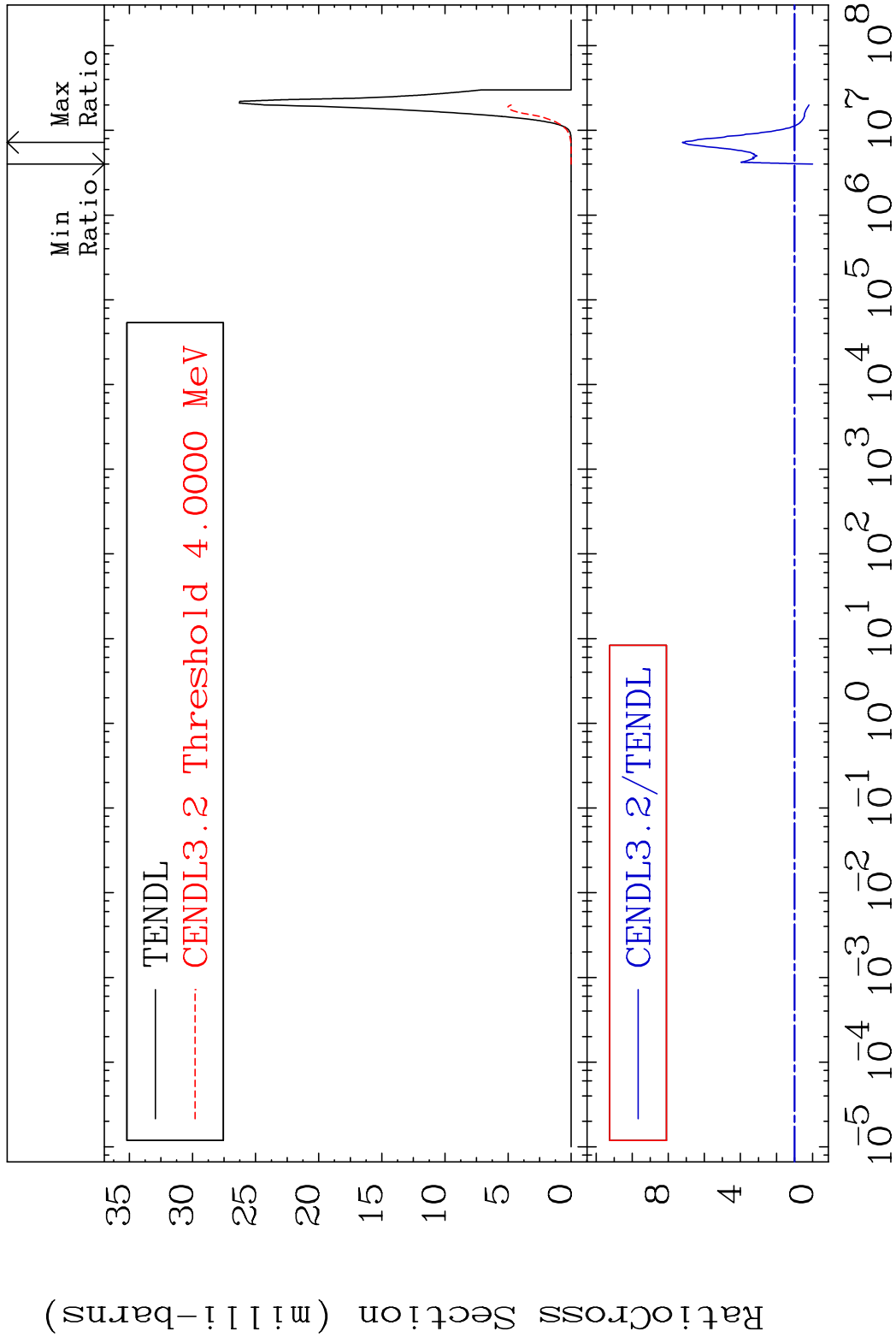
56-Ba-138

MAT 5649

(n, α)

56-Ba-138

Cross Section -100.0 To 622.0 %



17

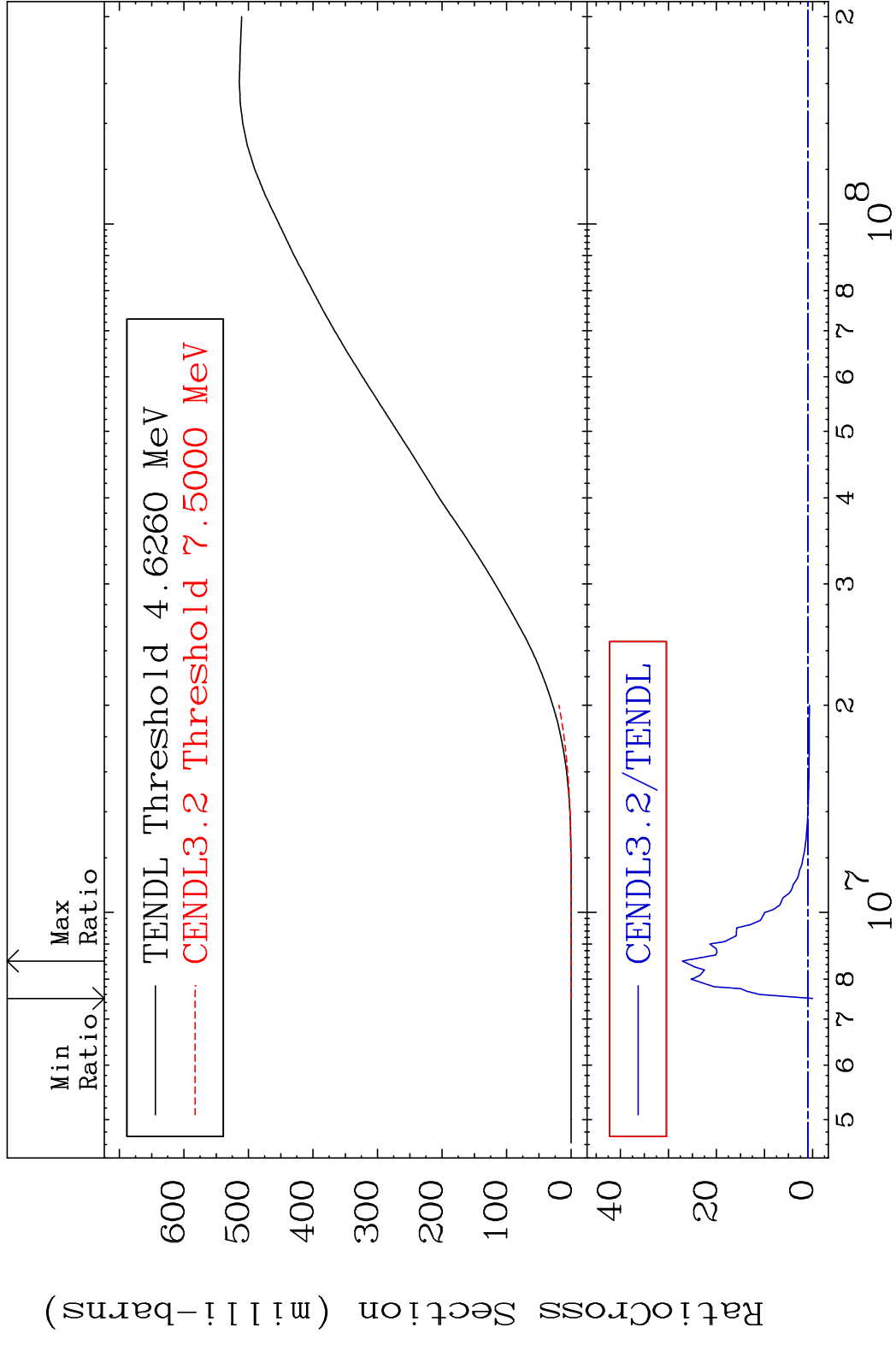
Incident Energy (eV)

56-Ba-138

MAT 5649

Hydrogen Production 56-Ba-138

Cross Section -100.0 To 2609. %

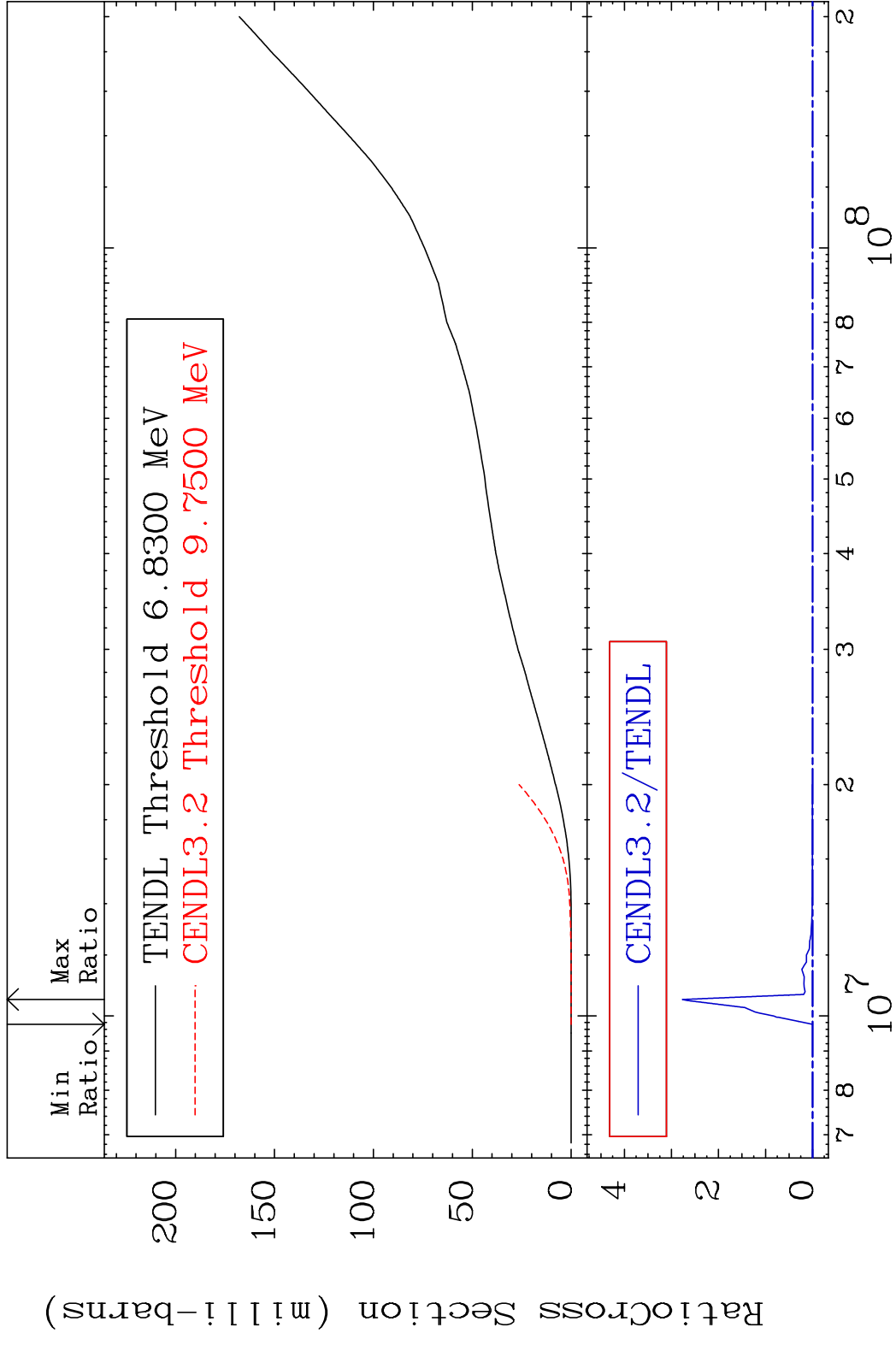


MAT 5649

Deuterium Production

56-Ba-138

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

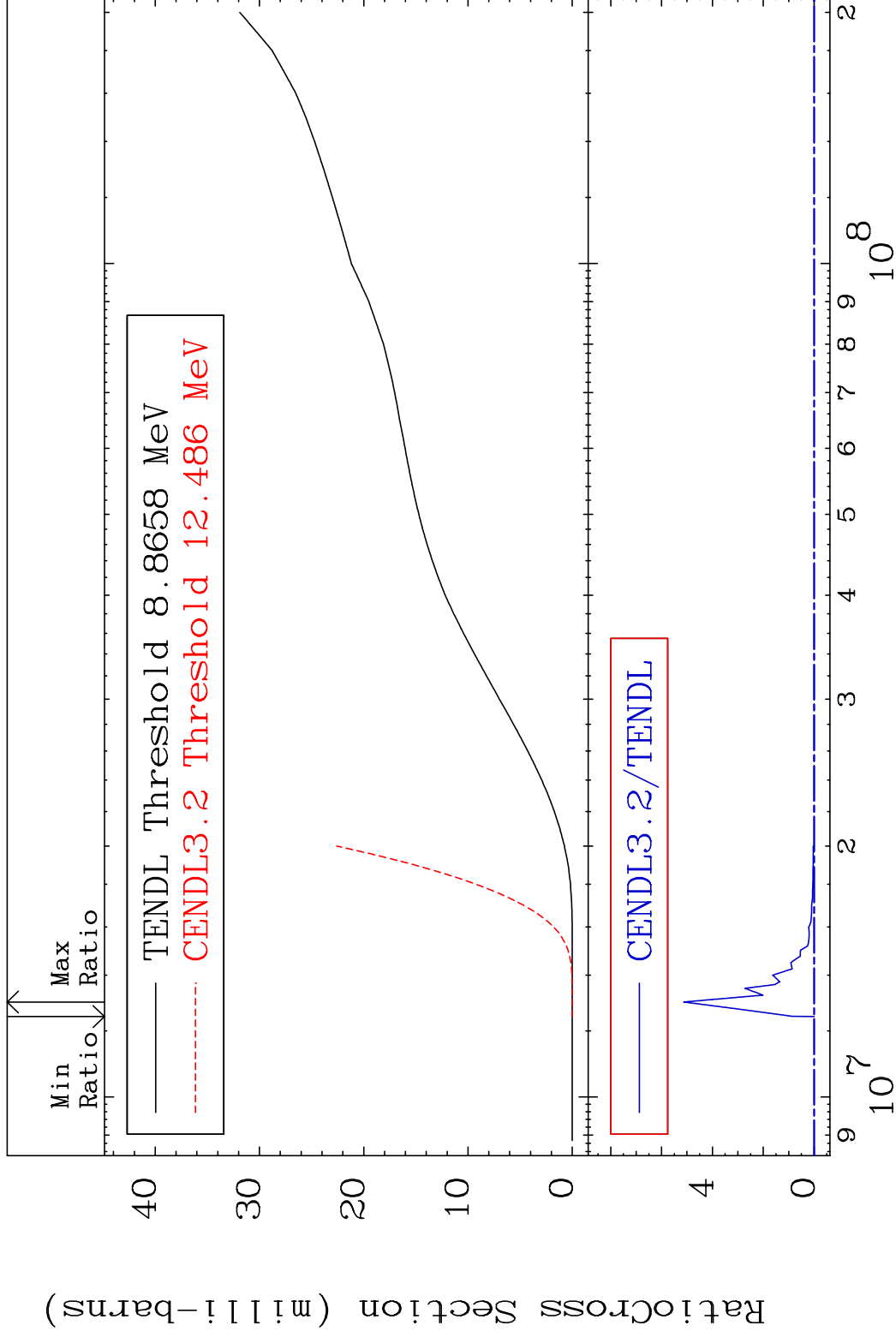
56-Ba-138

MAT 5649

Tritium Production

56-Ba-138

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

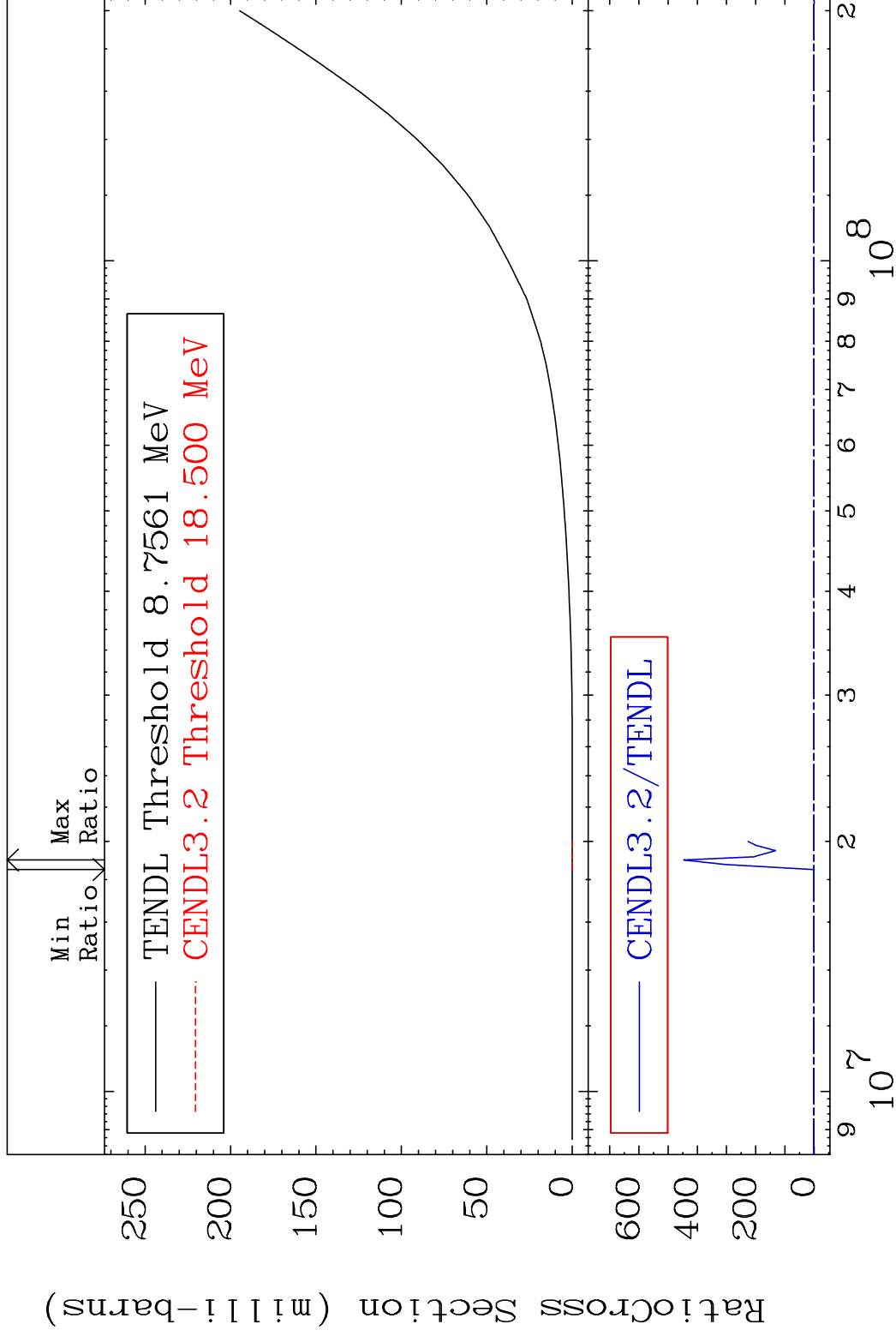
56-Ba-138

MAT 5649

He-3 Production

56-Ba-138

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

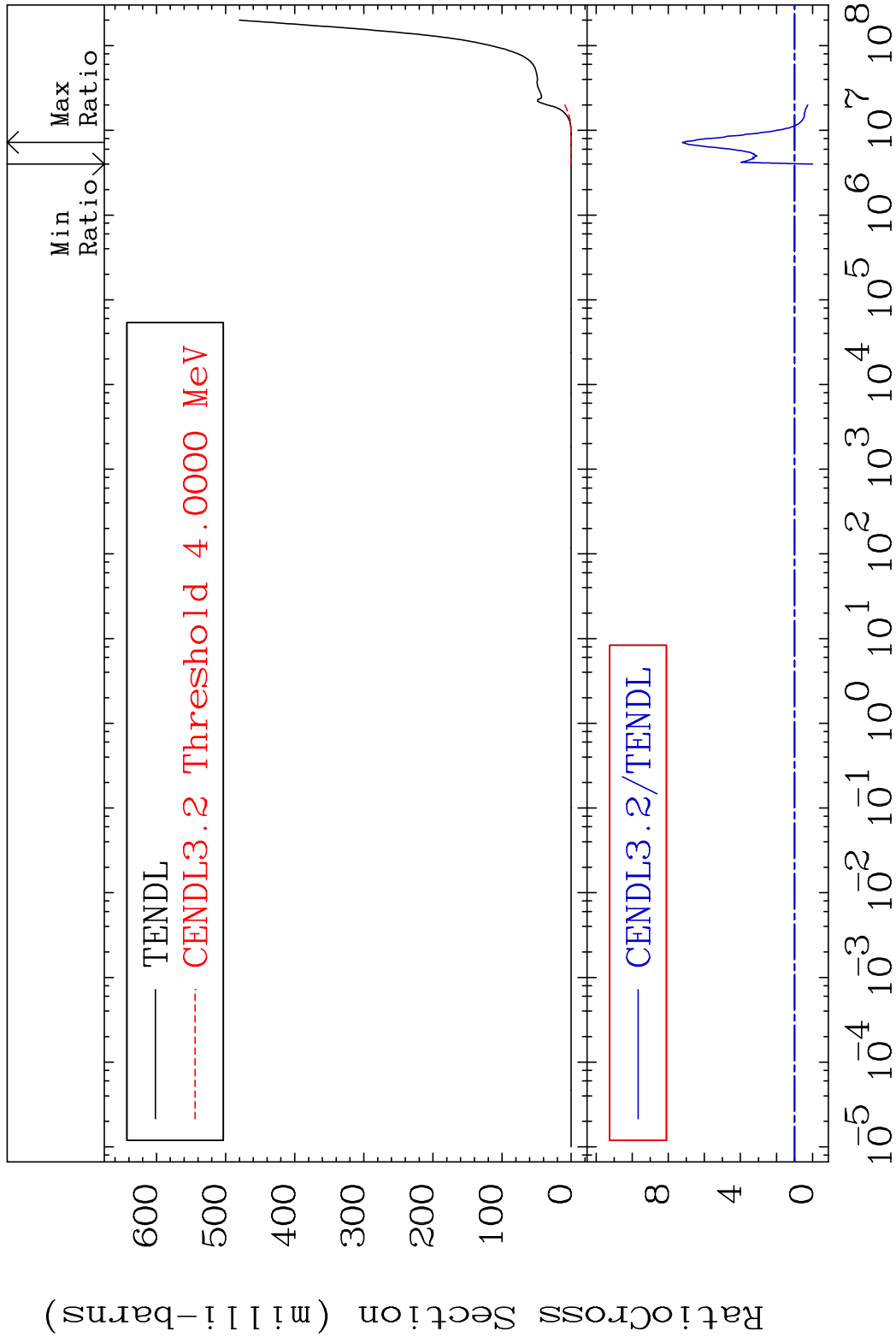
56-Ba-138

MAT 5649

He-4 Production

56-Ba-138

Cross Section -100.0 To 622.0 %



22

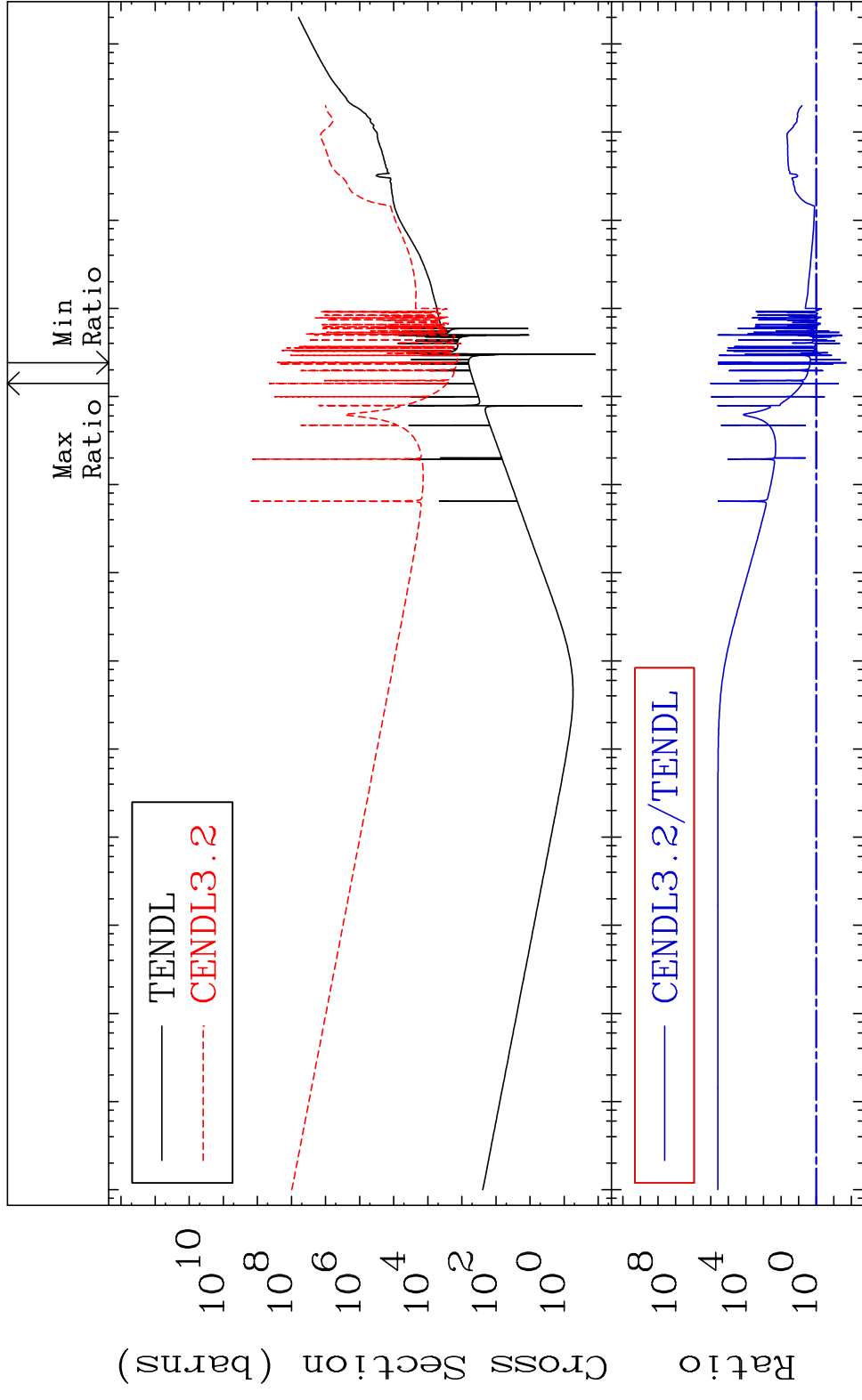
Incident Energy (eV)

56-Ba-138

MAT 5649

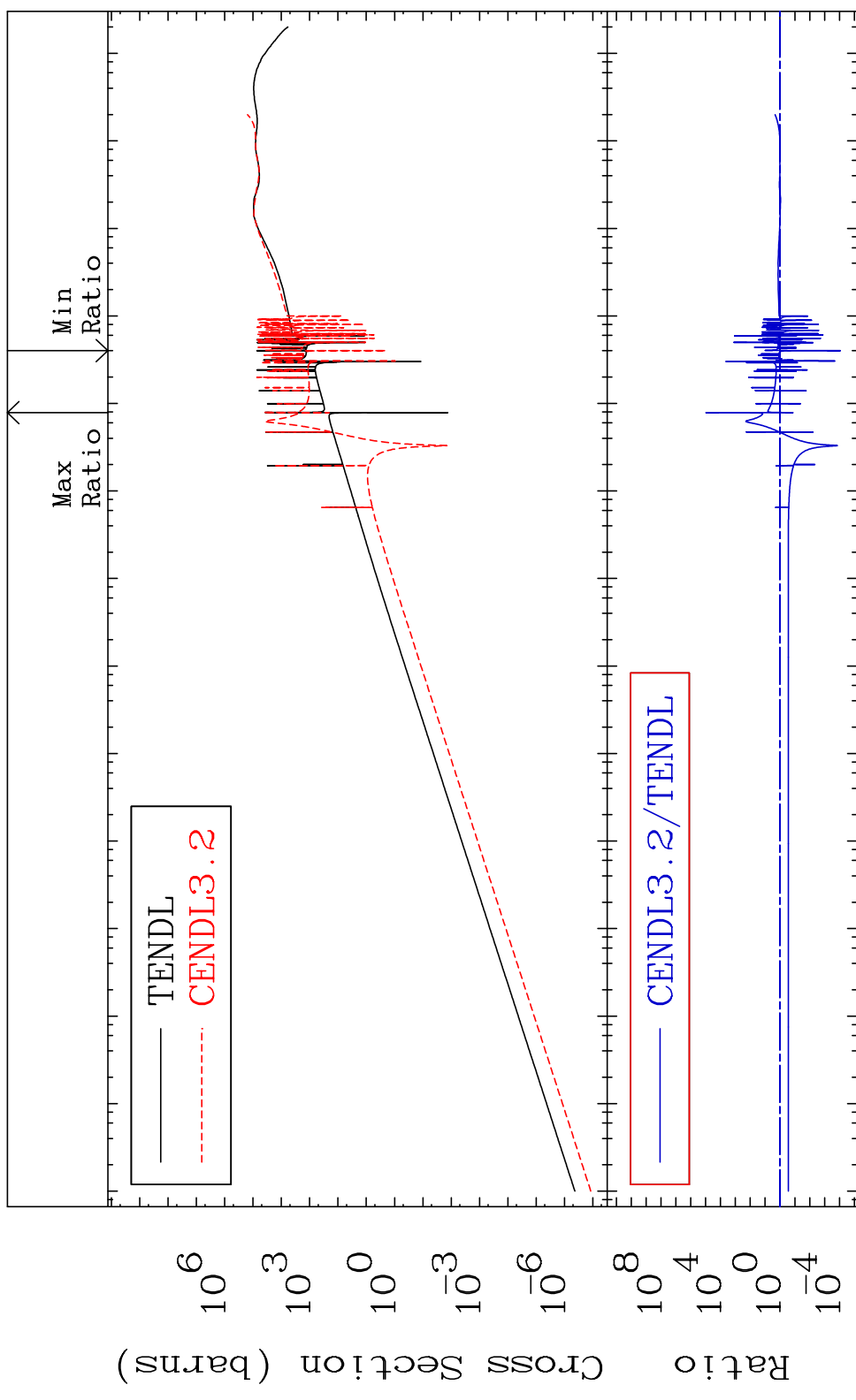
Kerma total (eV-barns) 56-Ba-138

Cross Section -98.04 To 9999. %



MAT 5649

Kerma elastic
Cross Section -99.99 To 9999. %
56-Ba-138

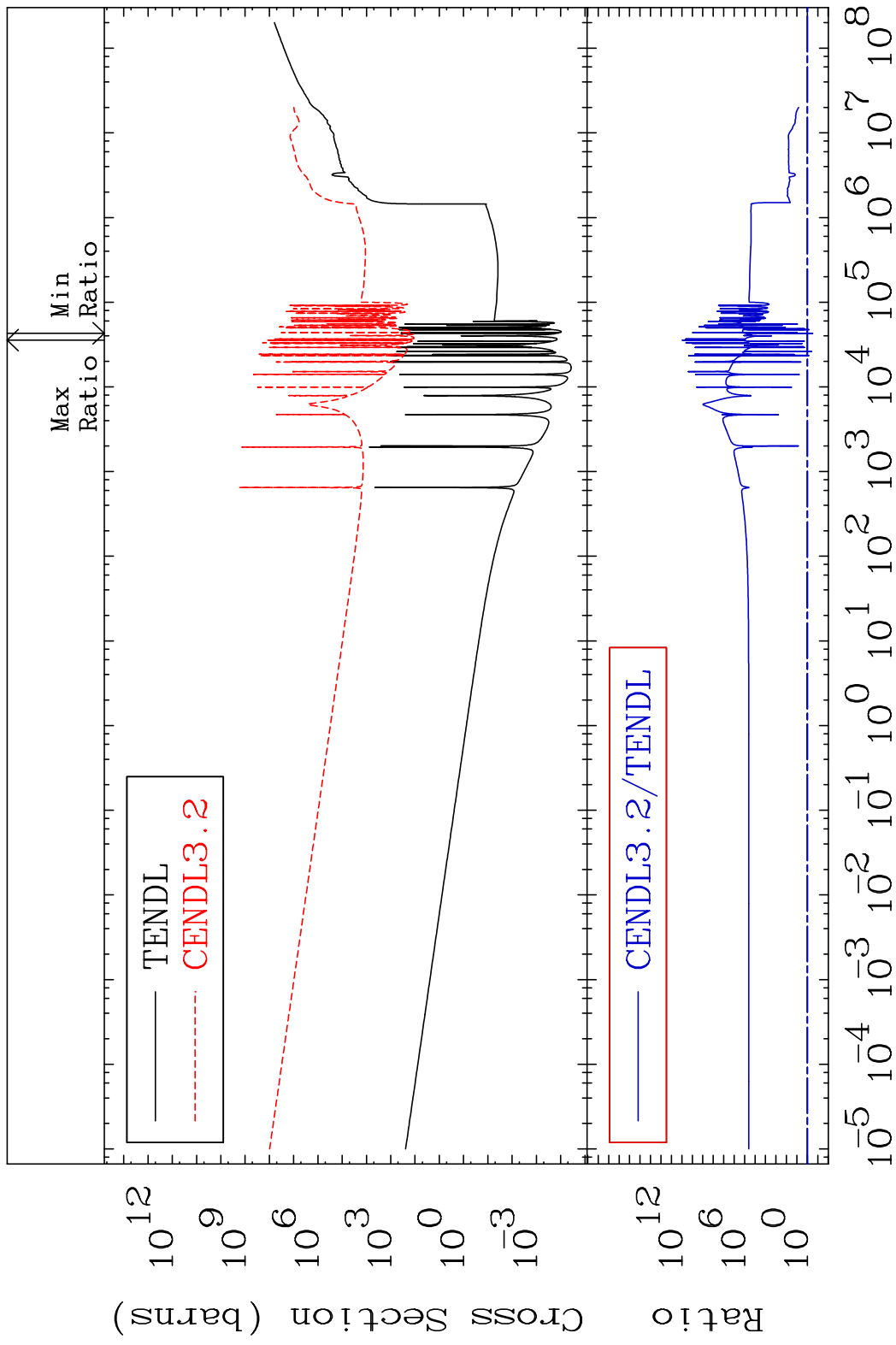


24

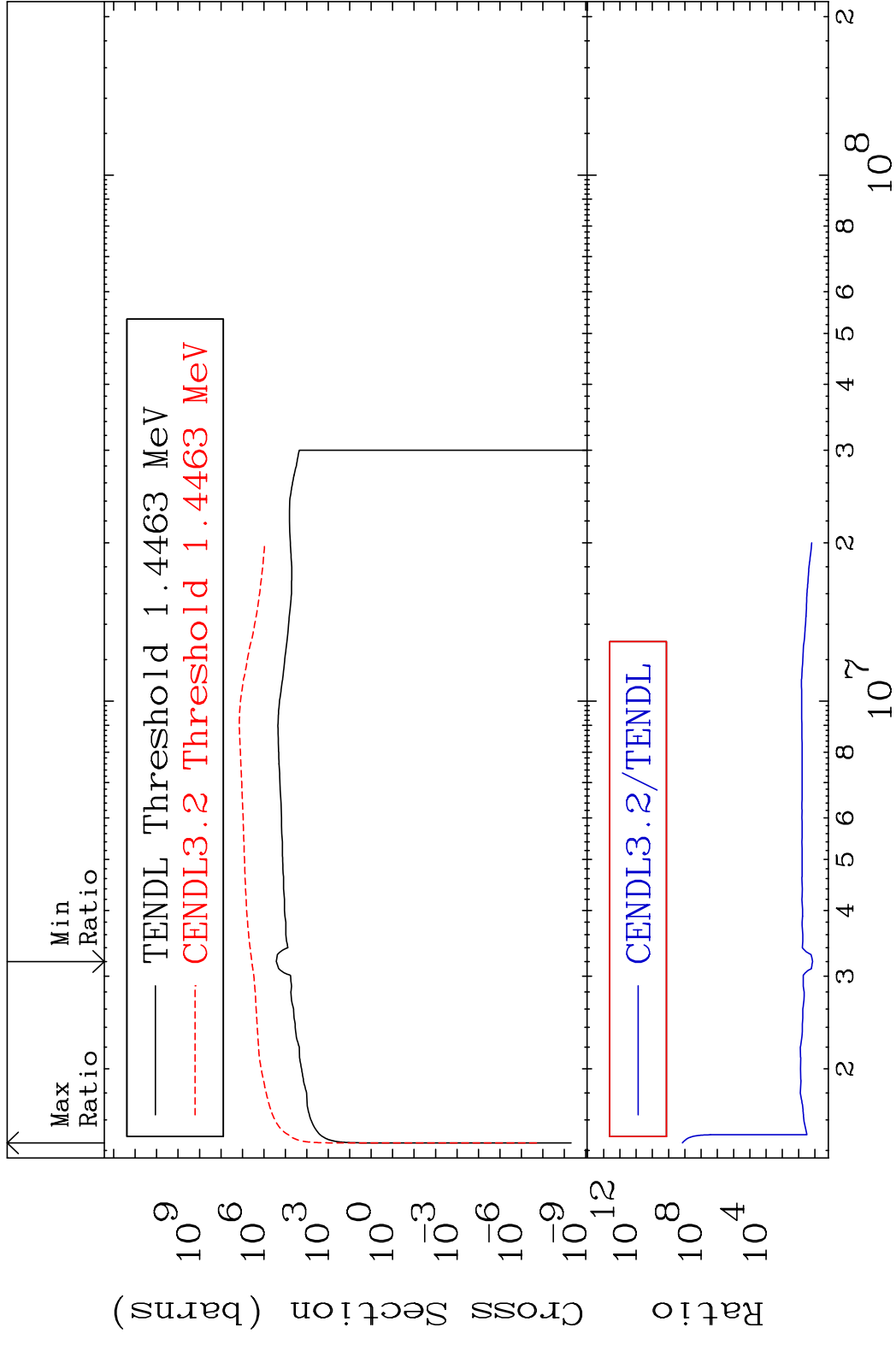
Incident Energy (eV)

56-Ba-138

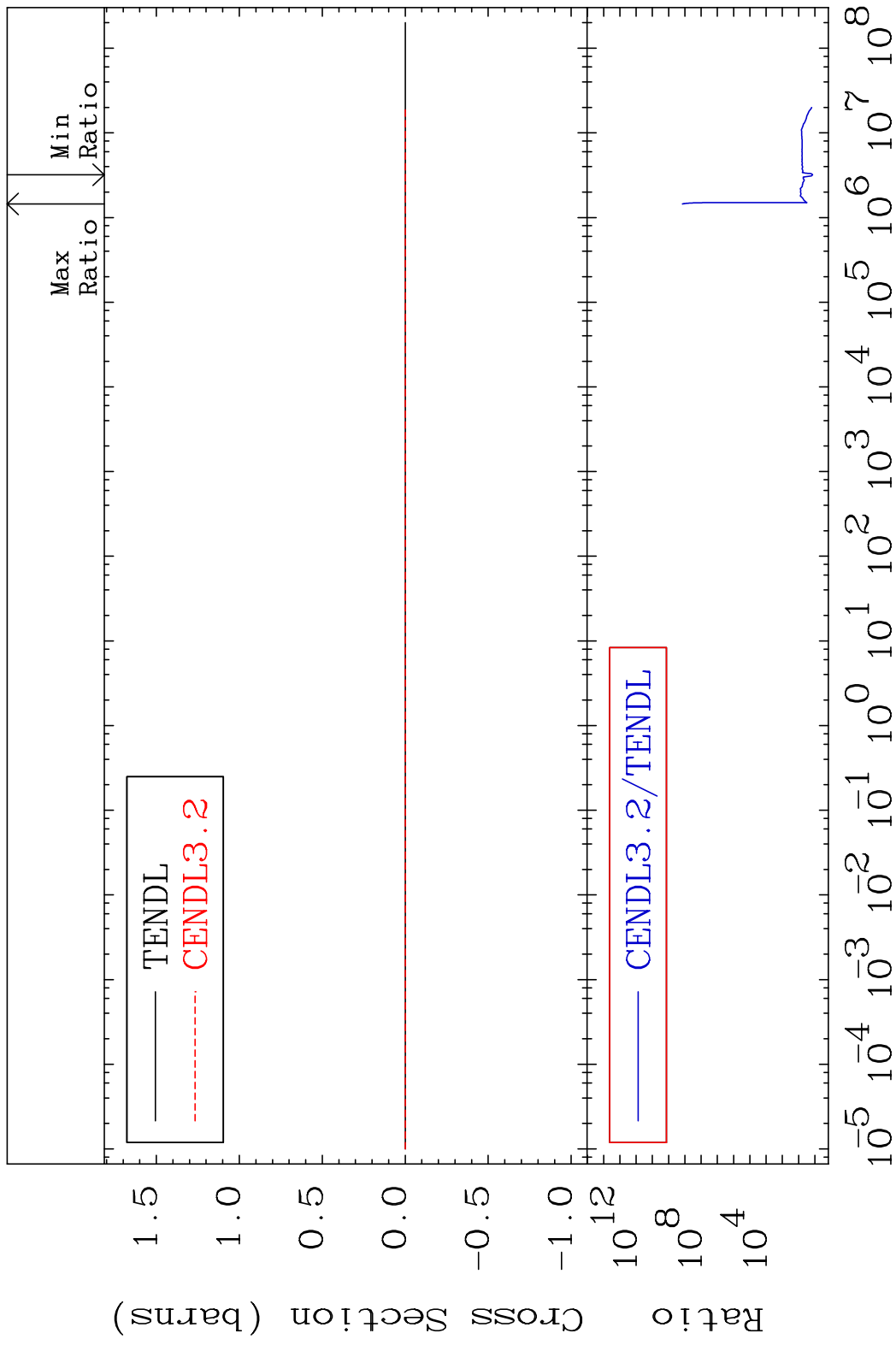
MAT 5649 Kerma non-elastic (all but mt2) 56-Ba-138
 Cross Section -68.61 To 9999. %



MAT 5649 Kerma inelastic (mt51-91) 56-Ba-138
 Cross Section 1283. To 9999. %

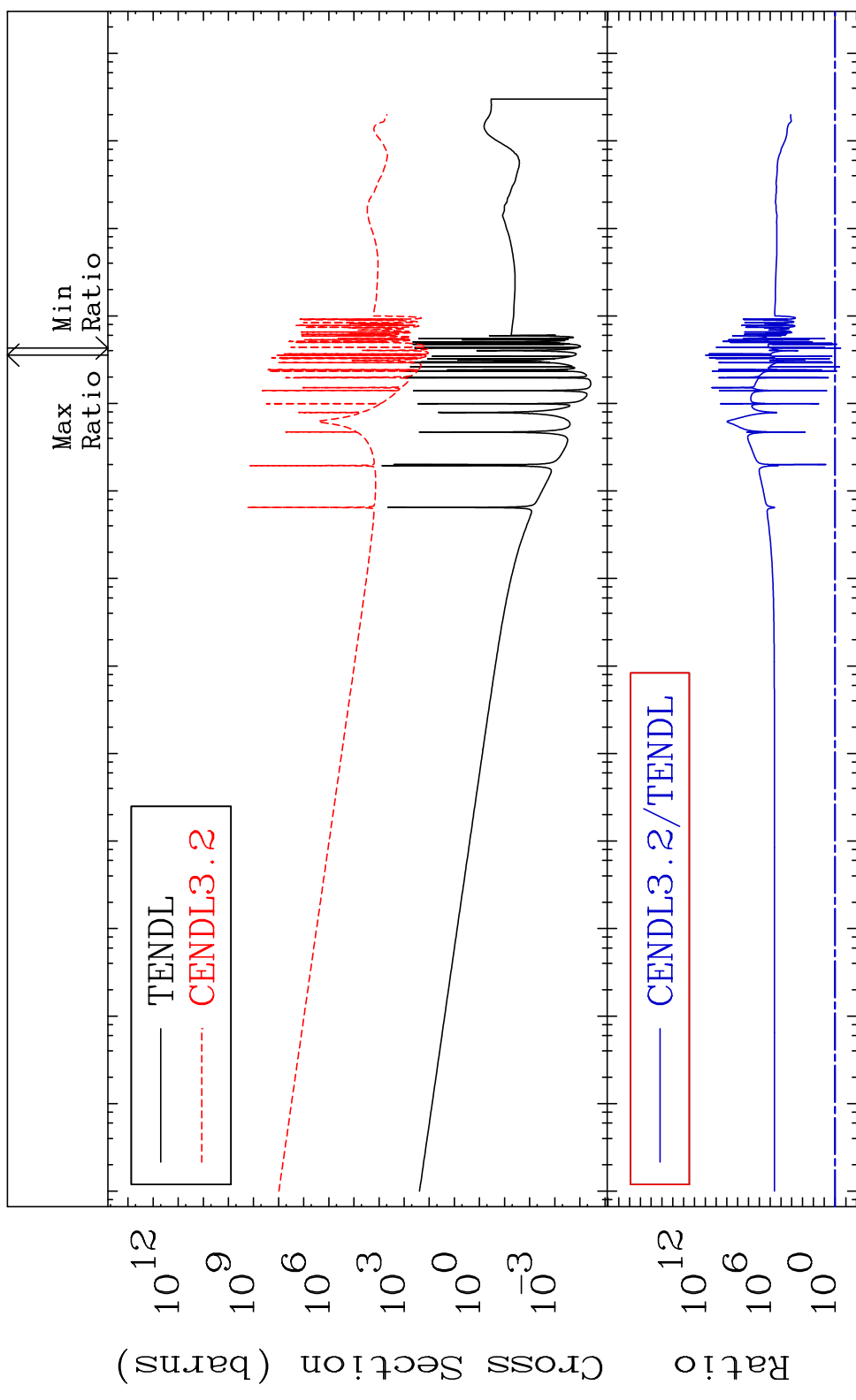


MAT 5649 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-138
 Cross Section 1283. To 9999. %

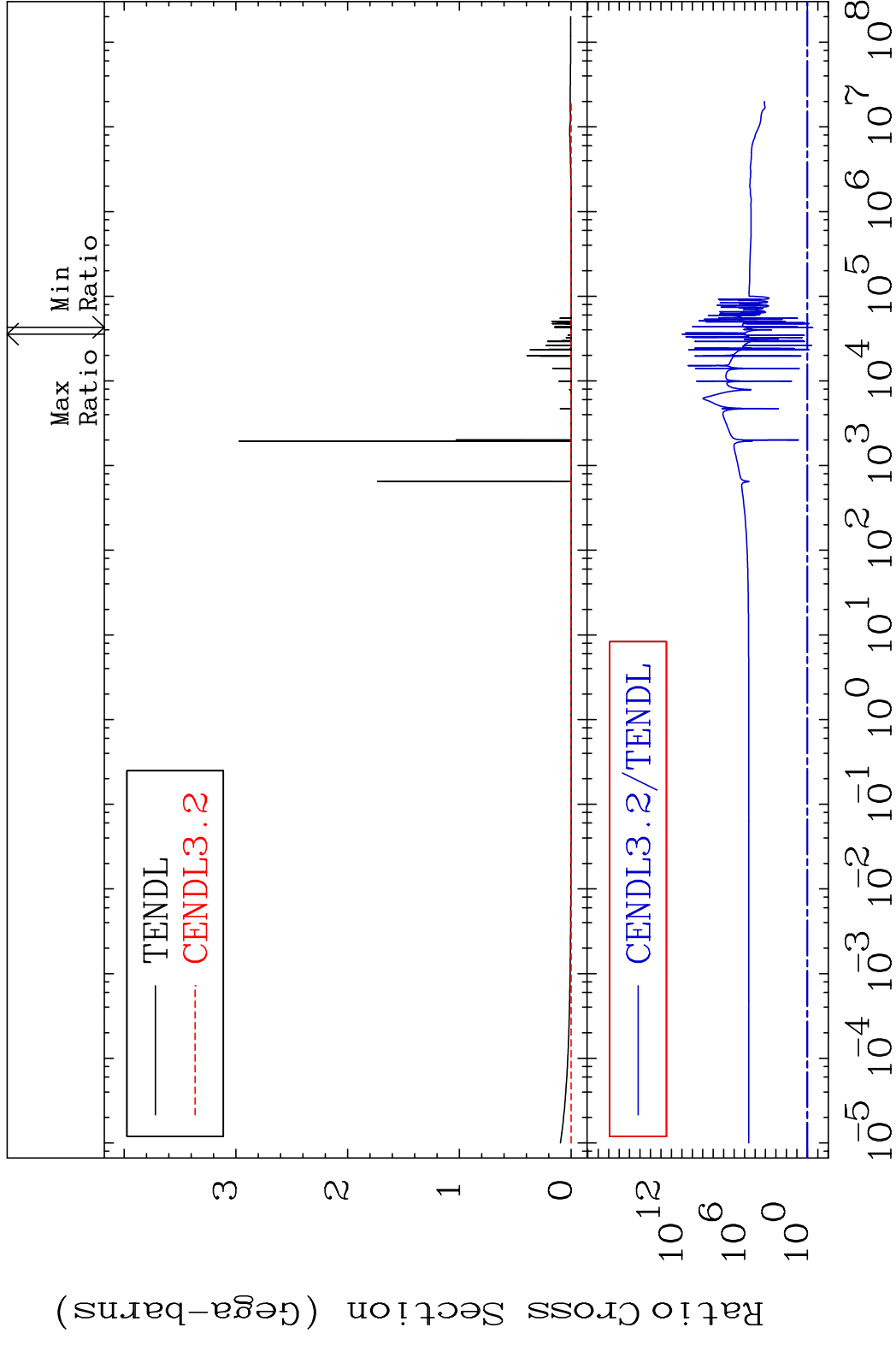


MAT 5649

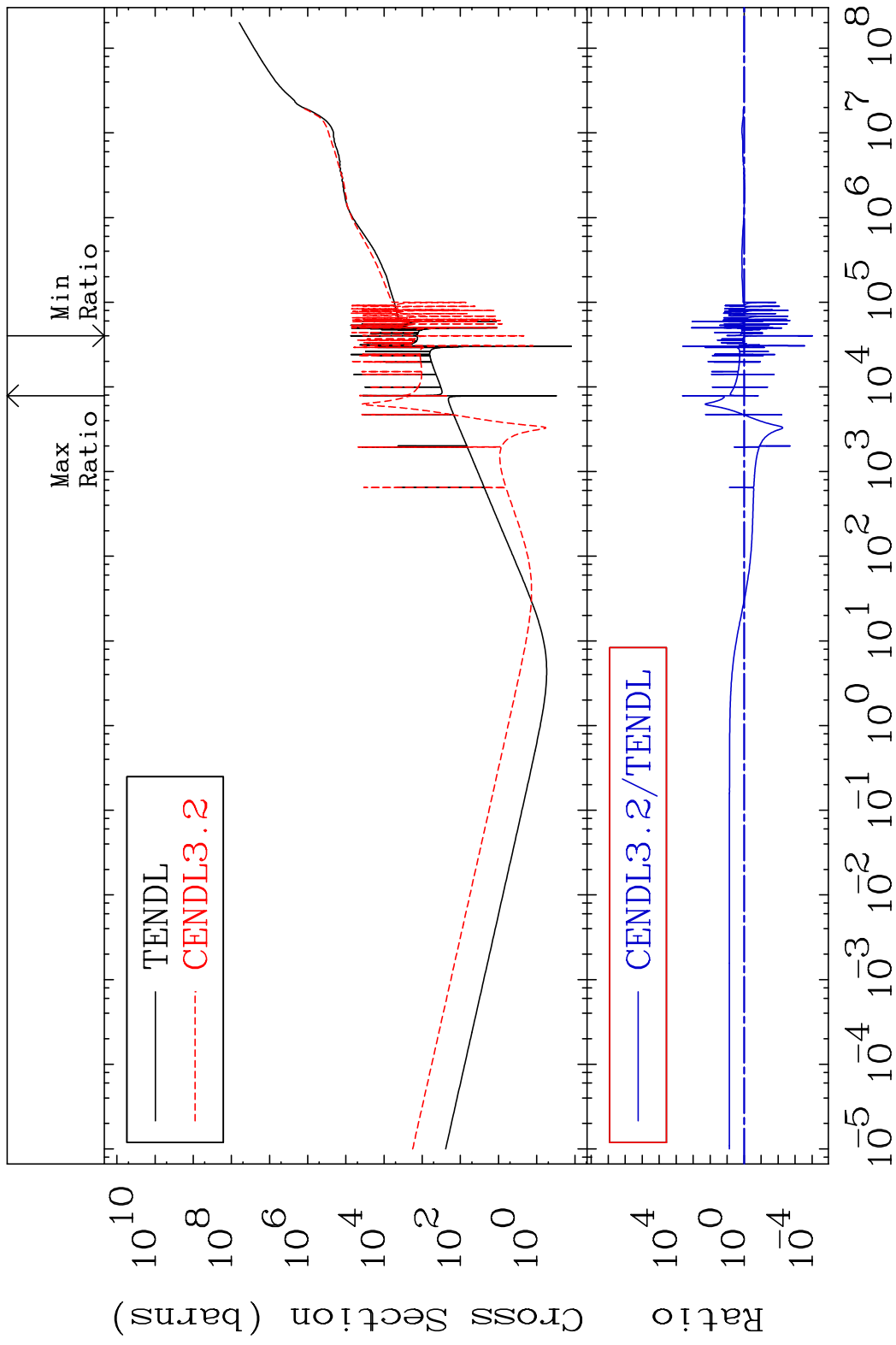
Kerma capture (mt102) 56-Ba-138
Cross Section -68.61 To 9999. %



MAT 5649 Total photon (eV-barns) 56-Ba-138
 Cross Section -68.61 To 9999. %



MAT 5649 Total kinematic kerma (high limit) 56-Ba-138
 Cross Section -99.99 To 9999. %

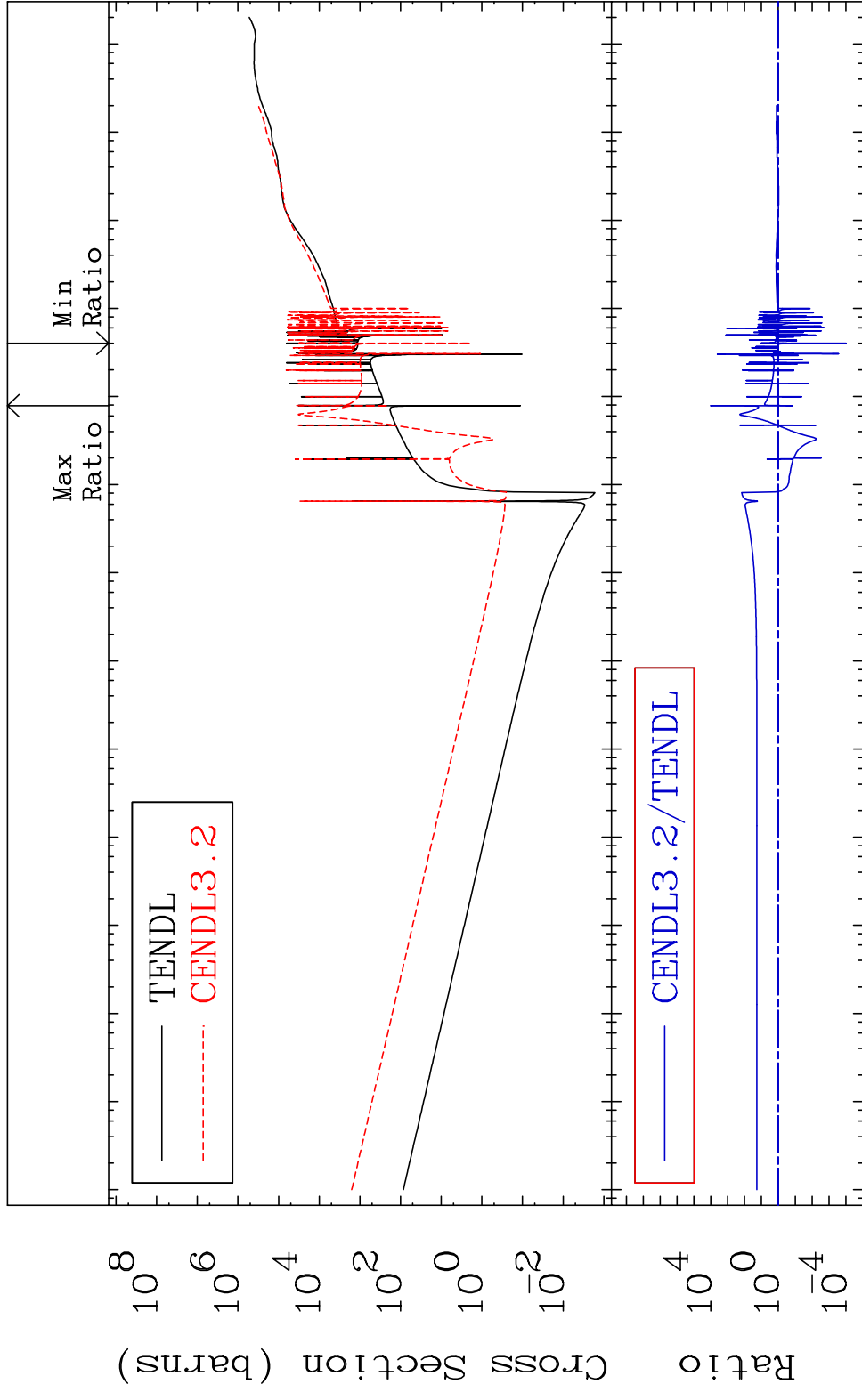


MAT 5649

Dpa total (eV-barns)

56-Ba-138

Cross Section -99.99 To 9999. %

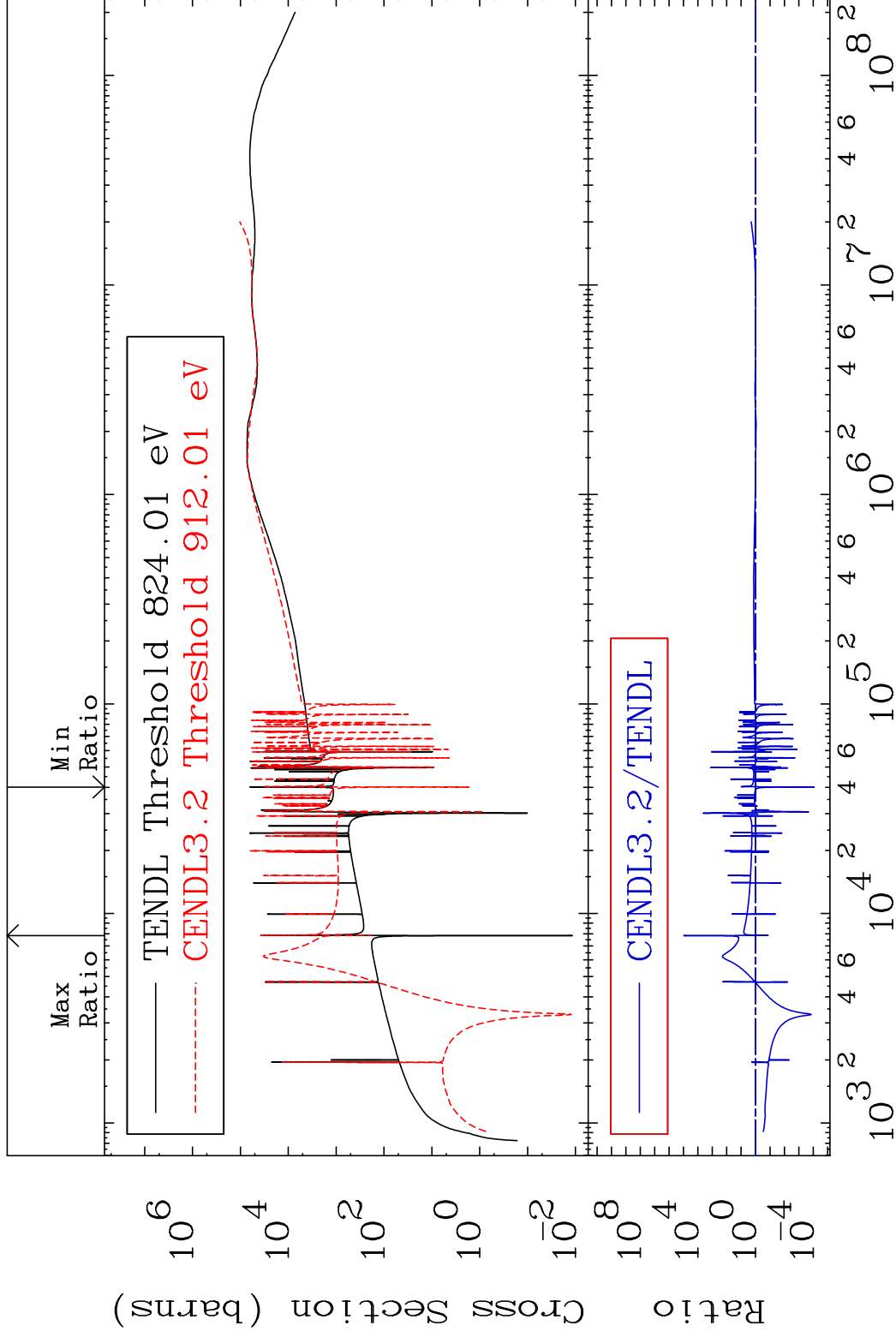


MAT 5649

Dpa elastic (mt2)

56-Ba-138

Cross Section -99.99 To 9999. %

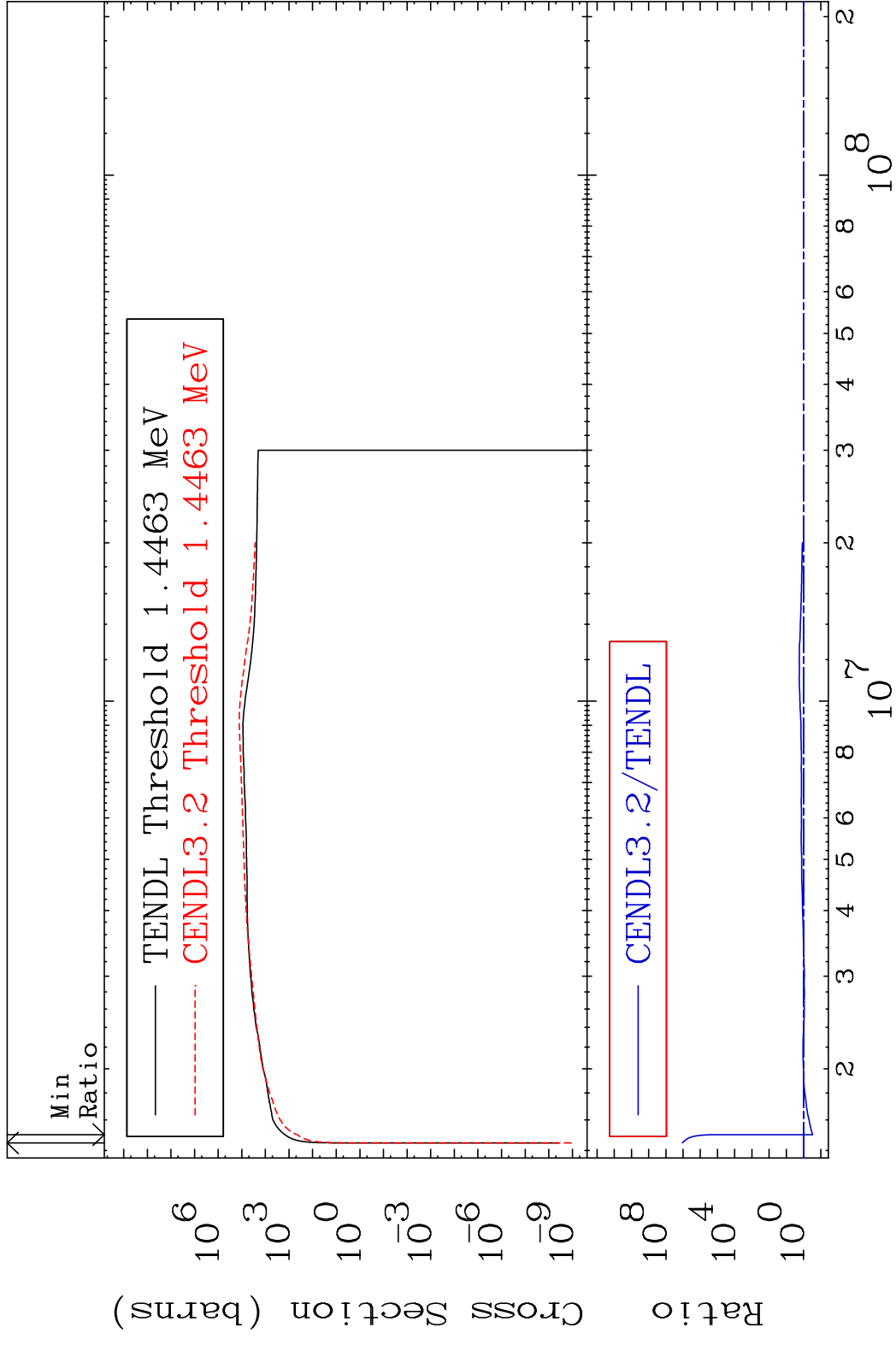


32

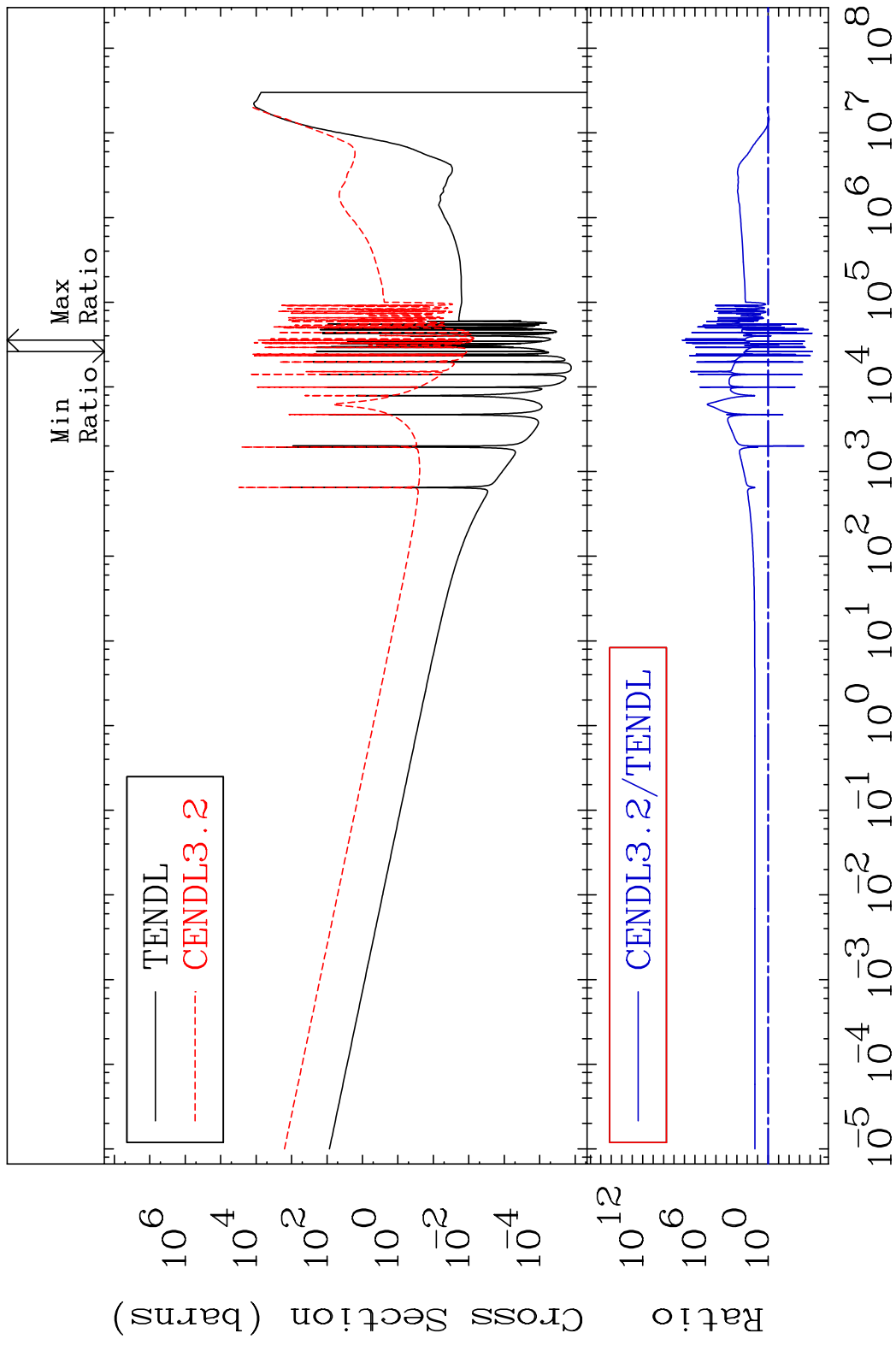
Incident Energy (eV)

56-Ba-138

MAT 5649 Dpa inelastic (mt51-91) 56-Ba-138
 Cross Section -70.25 To 9999. %



MAT 5649 Dpa disappearance (mt102 -120) 56-Ba-138
 Cross Section -99.99 To 9999. %

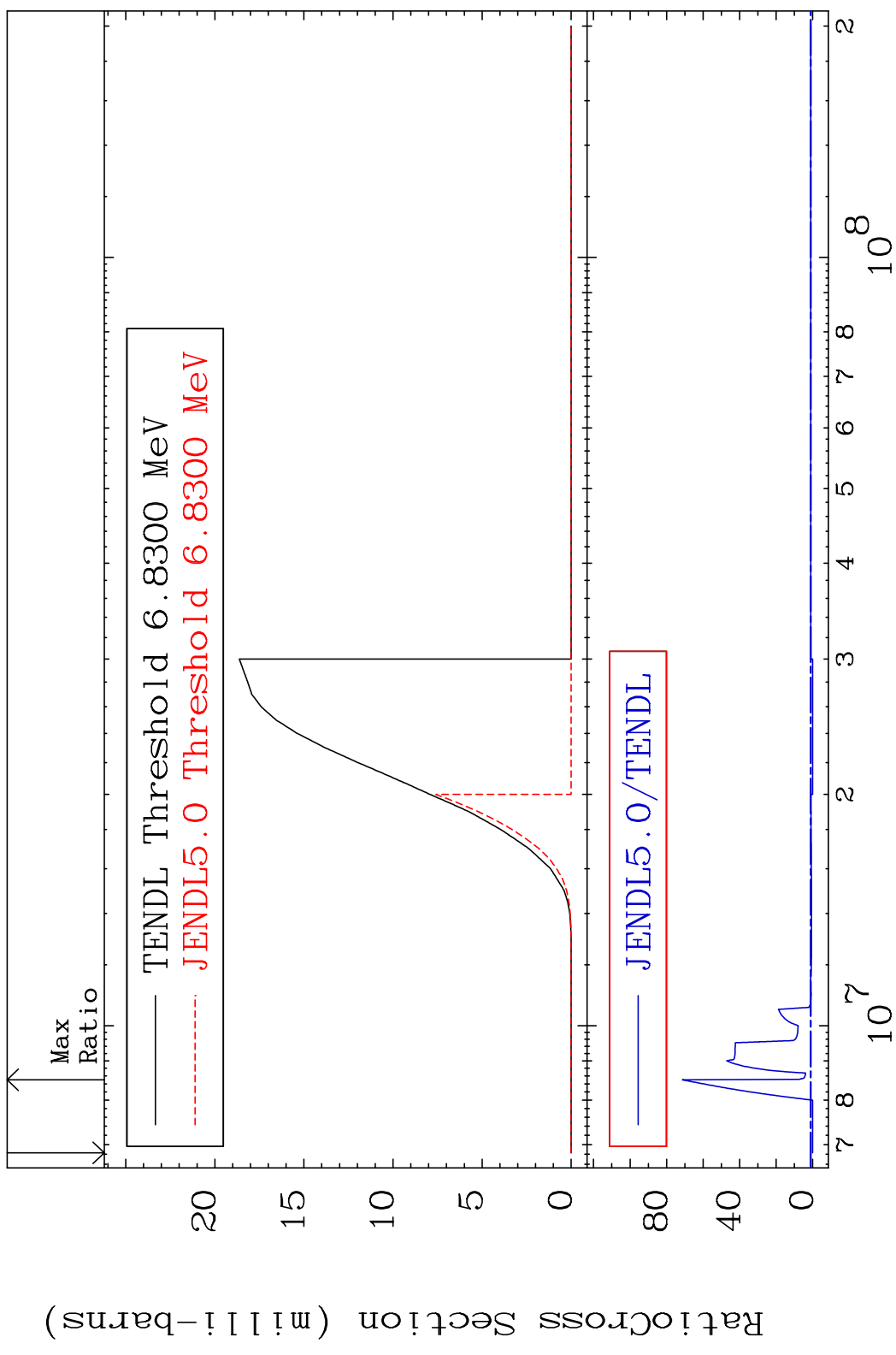


MAT 5649

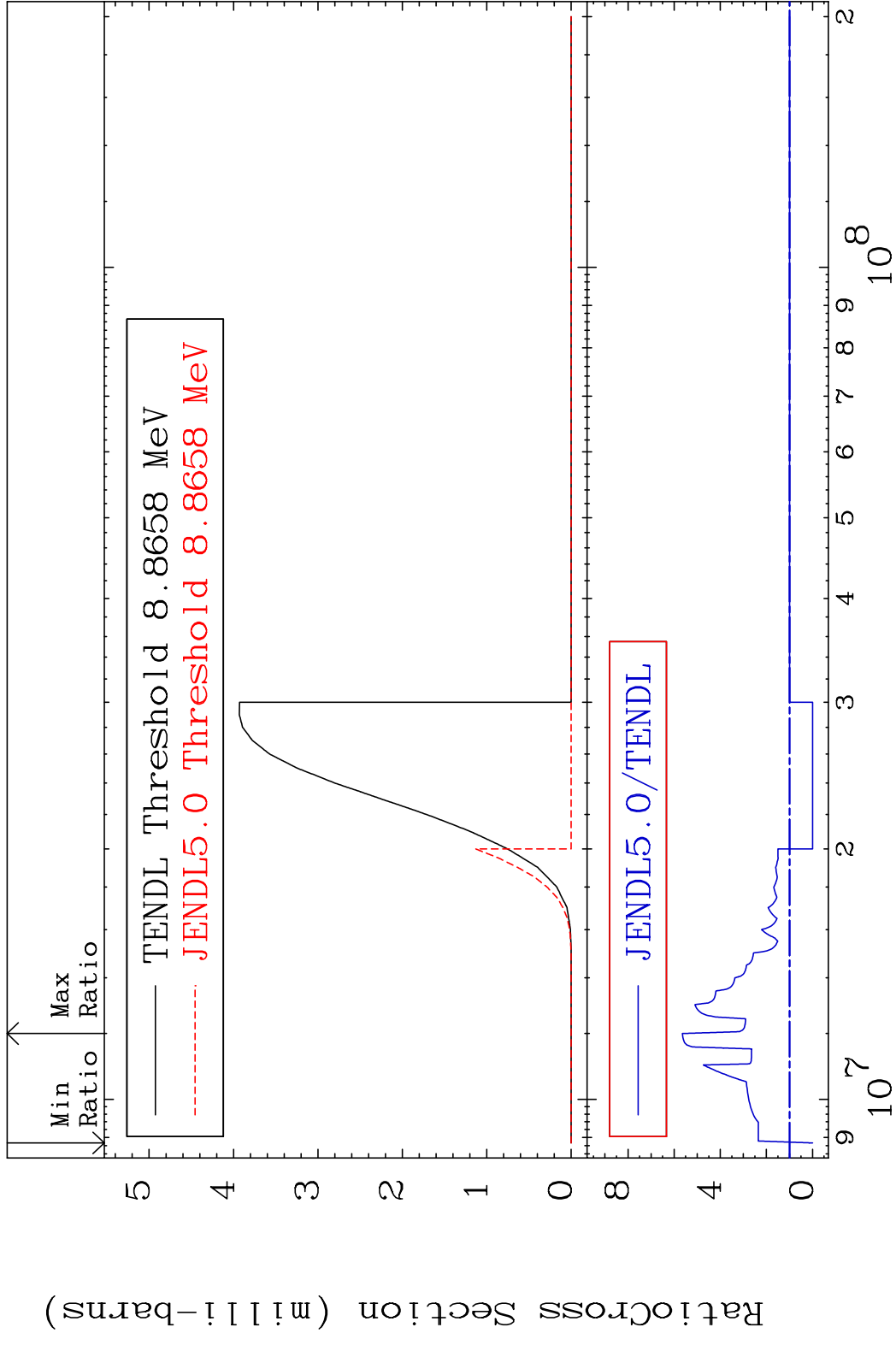
(n,d)

56-Ba-138

Cross Section -100.0 To 7034. %



MAT 5649 (n, t) 56-Ba-138
 Cross Section -100.0 To 464.4 %

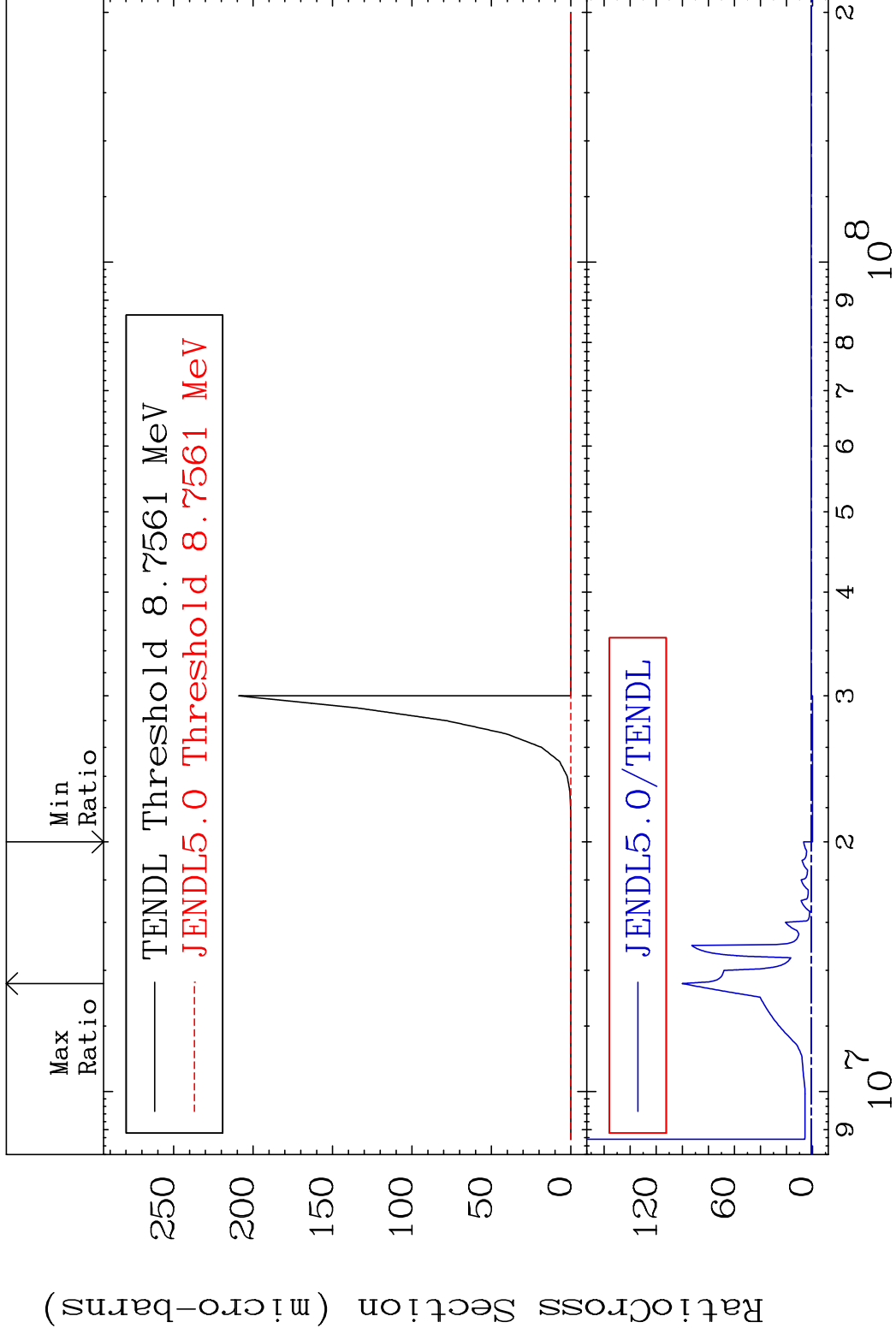


MAT 5649

(n, He-3)

56-Ba-138

Cross Section -100.0 To 9912. %



37

Incident Energy (eV)

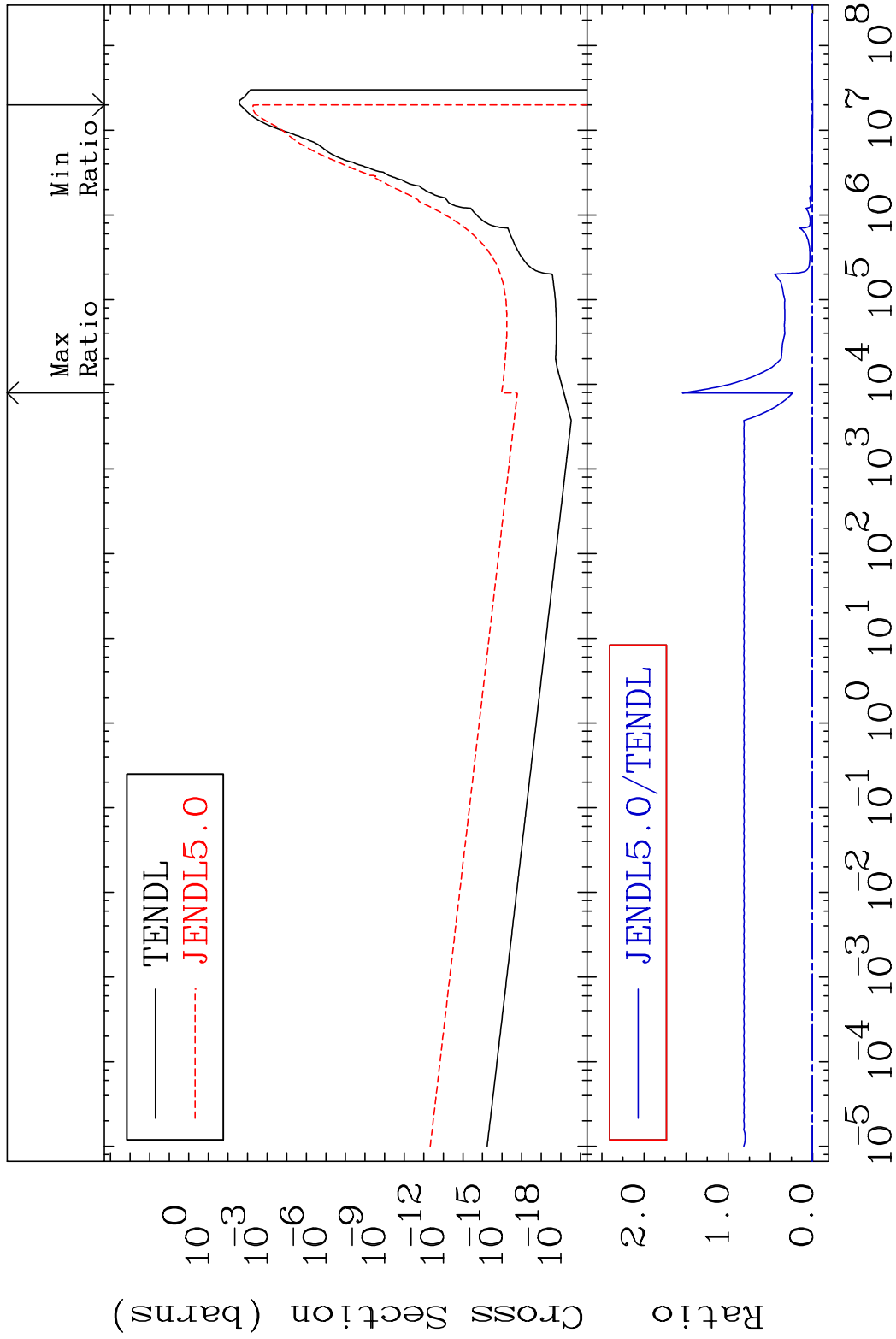
56-Ba-138

MAT 5649

(n, α)

56-Ba-138

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

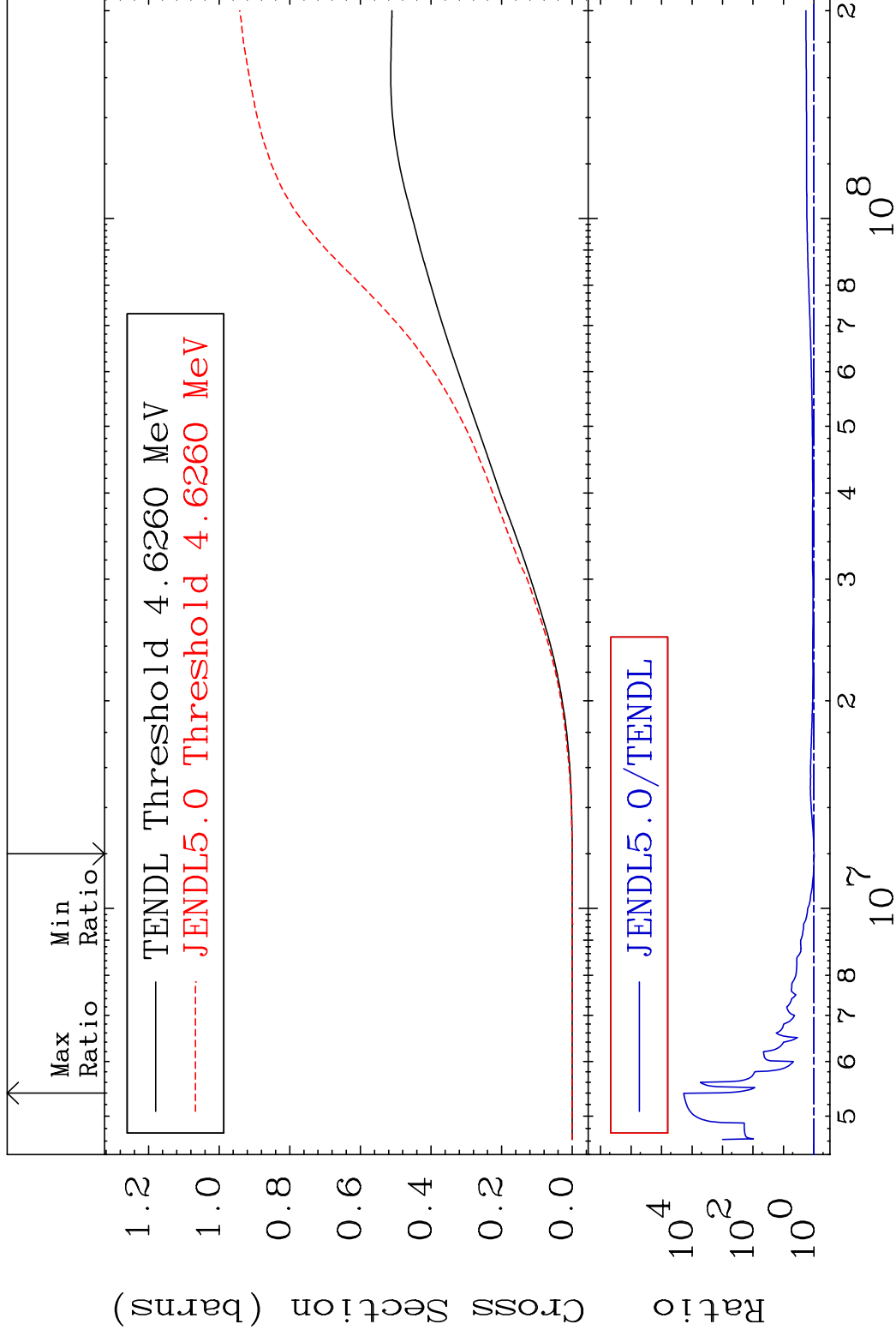
56-Ba-138

MAT 5649

Hydrogen Production

56-Ba-138

Cross Section -1.103 To 9999. %



39

Incident Energy (eV)

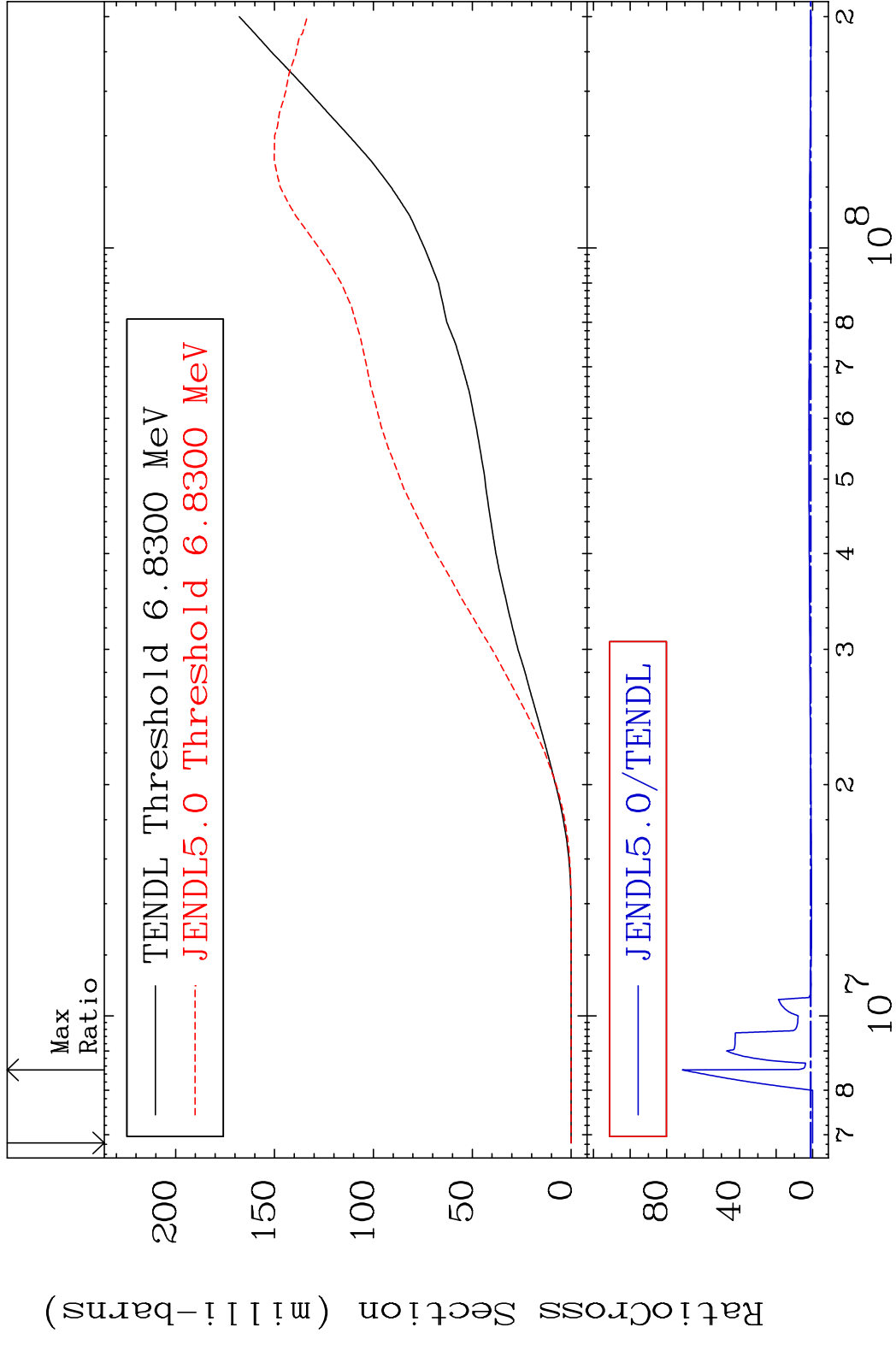
56-Ba-138

MAT 5649

Deuterium Production

56-Ba-138

Cross Section -100.0 To 7034. %



40

Incident Energy (eV)

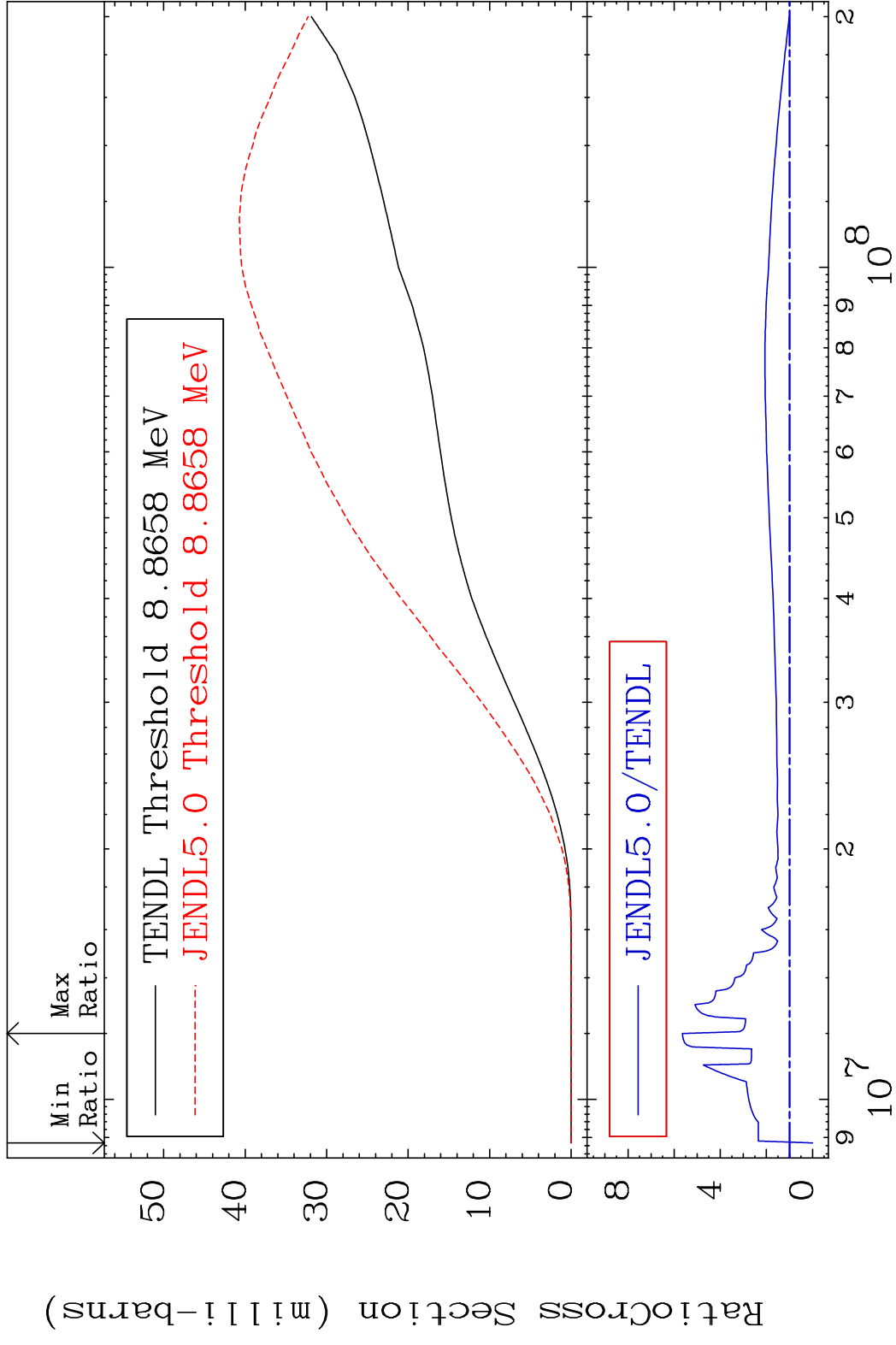
56-Ba-138

MAT 5649

Tritium Production

56-Ba-138

Cross Section -100.0 To 464.4 %



41

Incident Energy (eV)

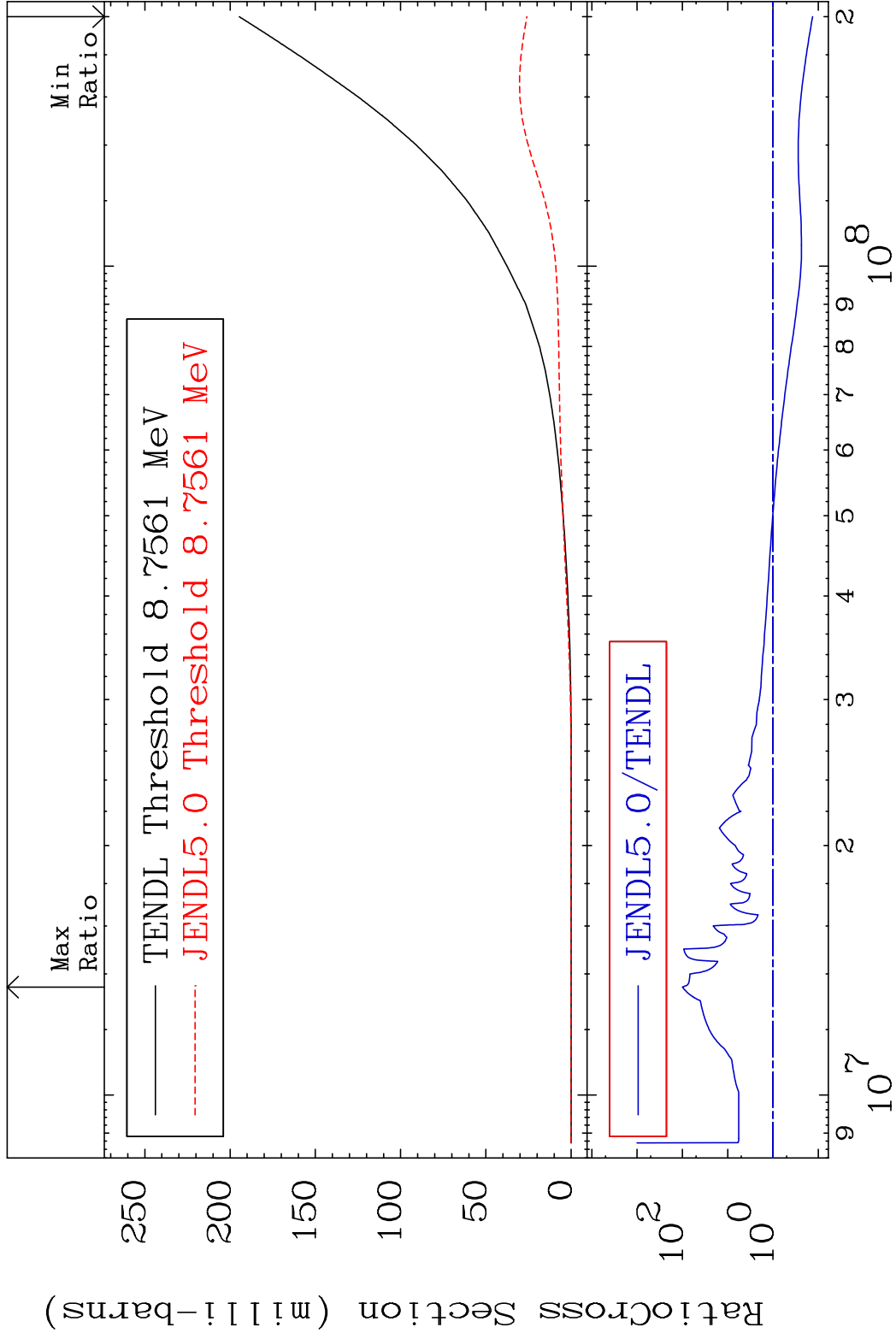
56-Ba-138

MAT 5649

He-3 Production

56-Ba-138

Cross Section -86.65 To 9912. %



42

Incident Energy (eV)

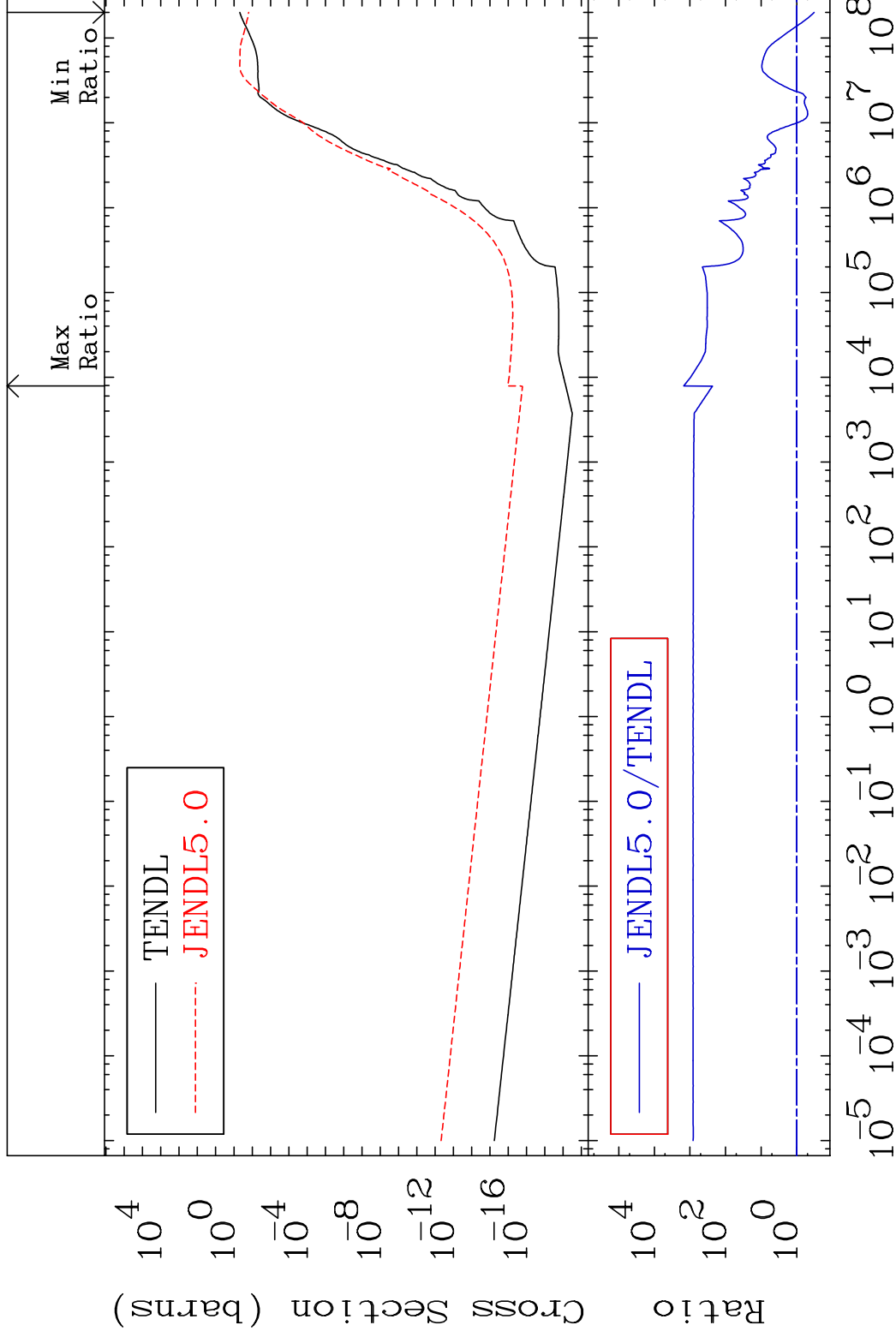
56-Ba-138

MAT 5649

He-4 Production

56-Ba-138

Cross Section -67.41 To 9999. %

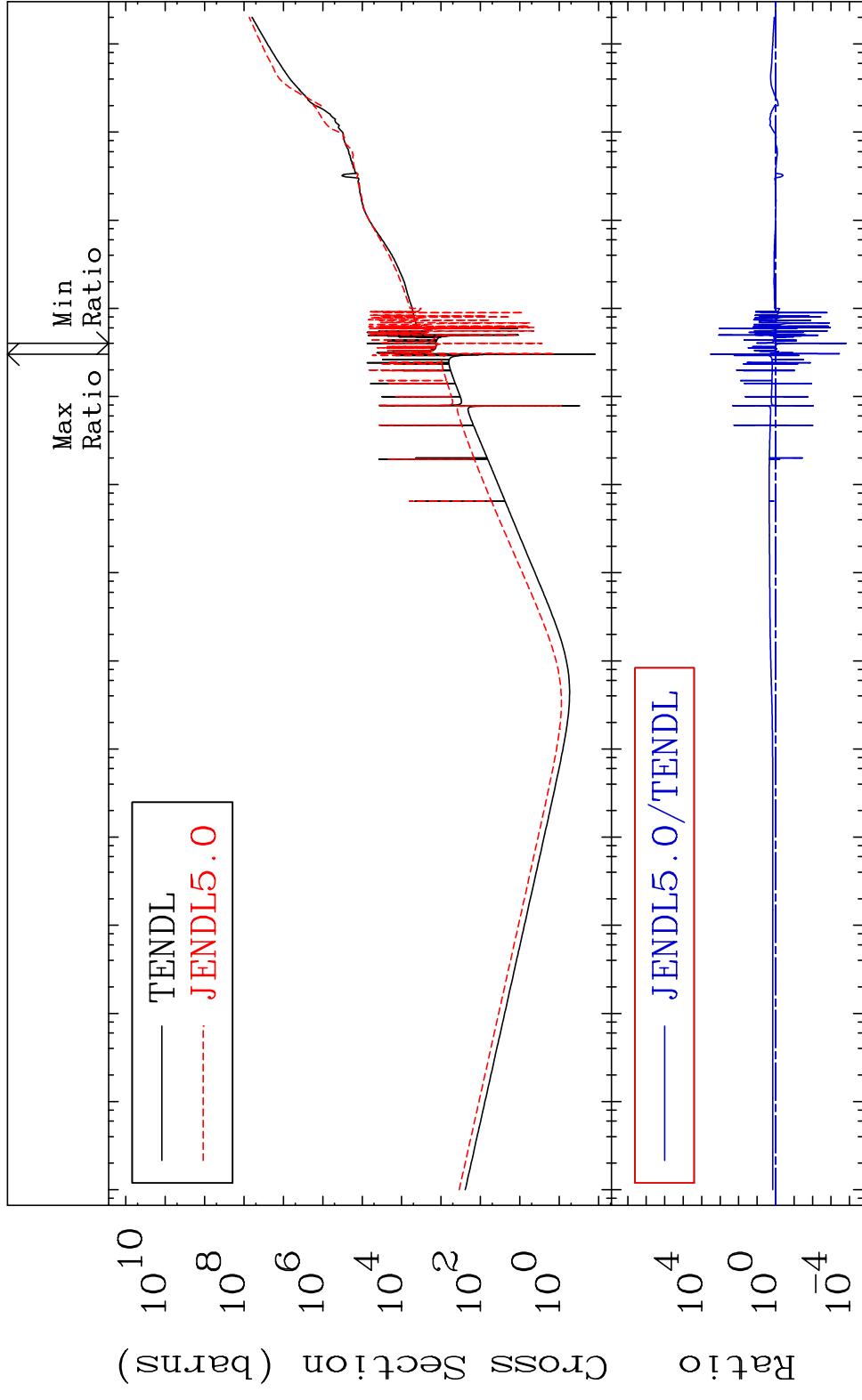


43

Incident Energy (eV)

56-Ba-138

MAT 5649 Kerma total (eV-barns) 56-Ba-138
 Cross Section -99.99 To 9999. %

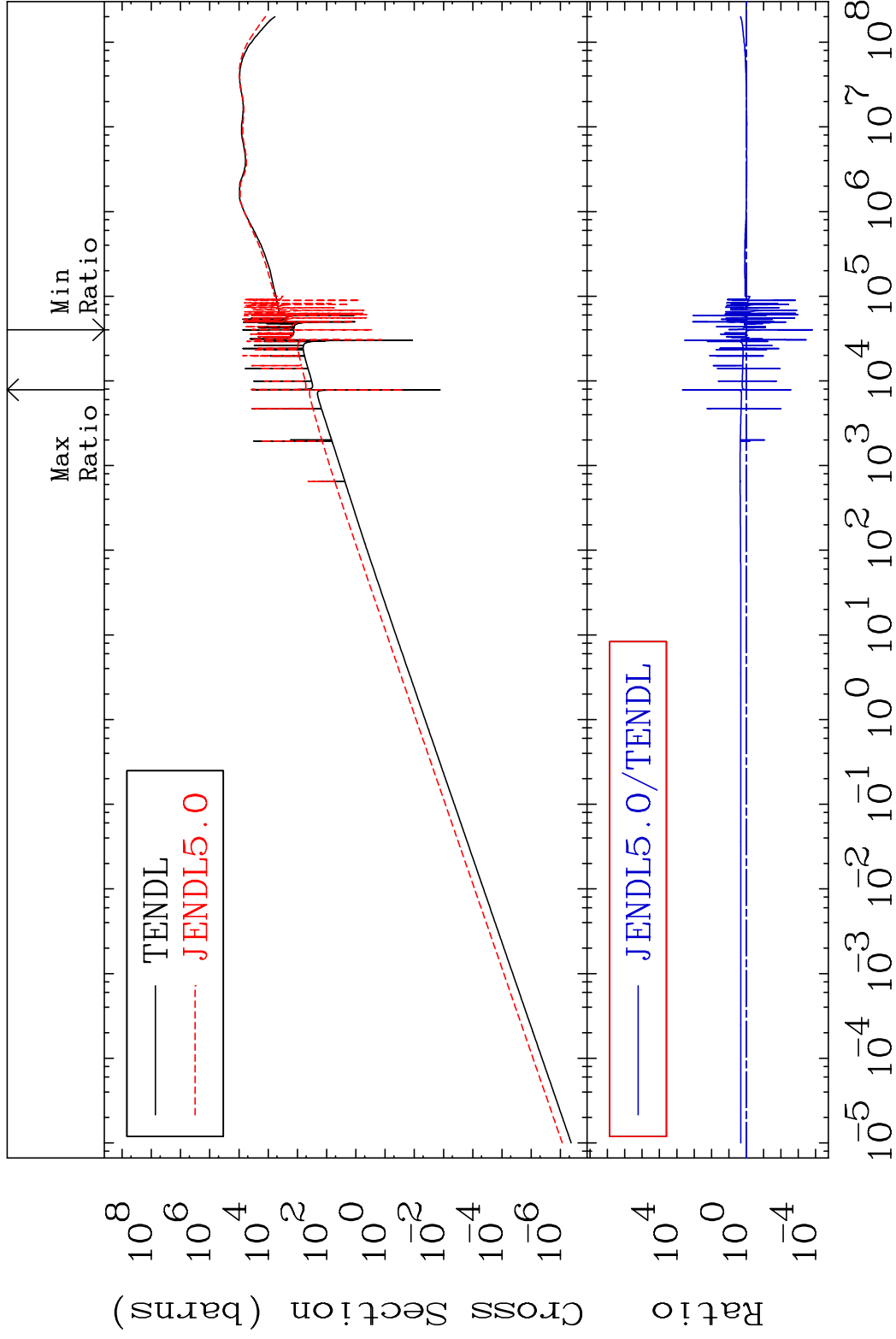


44 Incident Energy (eV) 56-Ba-138

MAT 5649

Kerma elastic
Cross Section

56-Ba-138
-99.99 To 9999. %

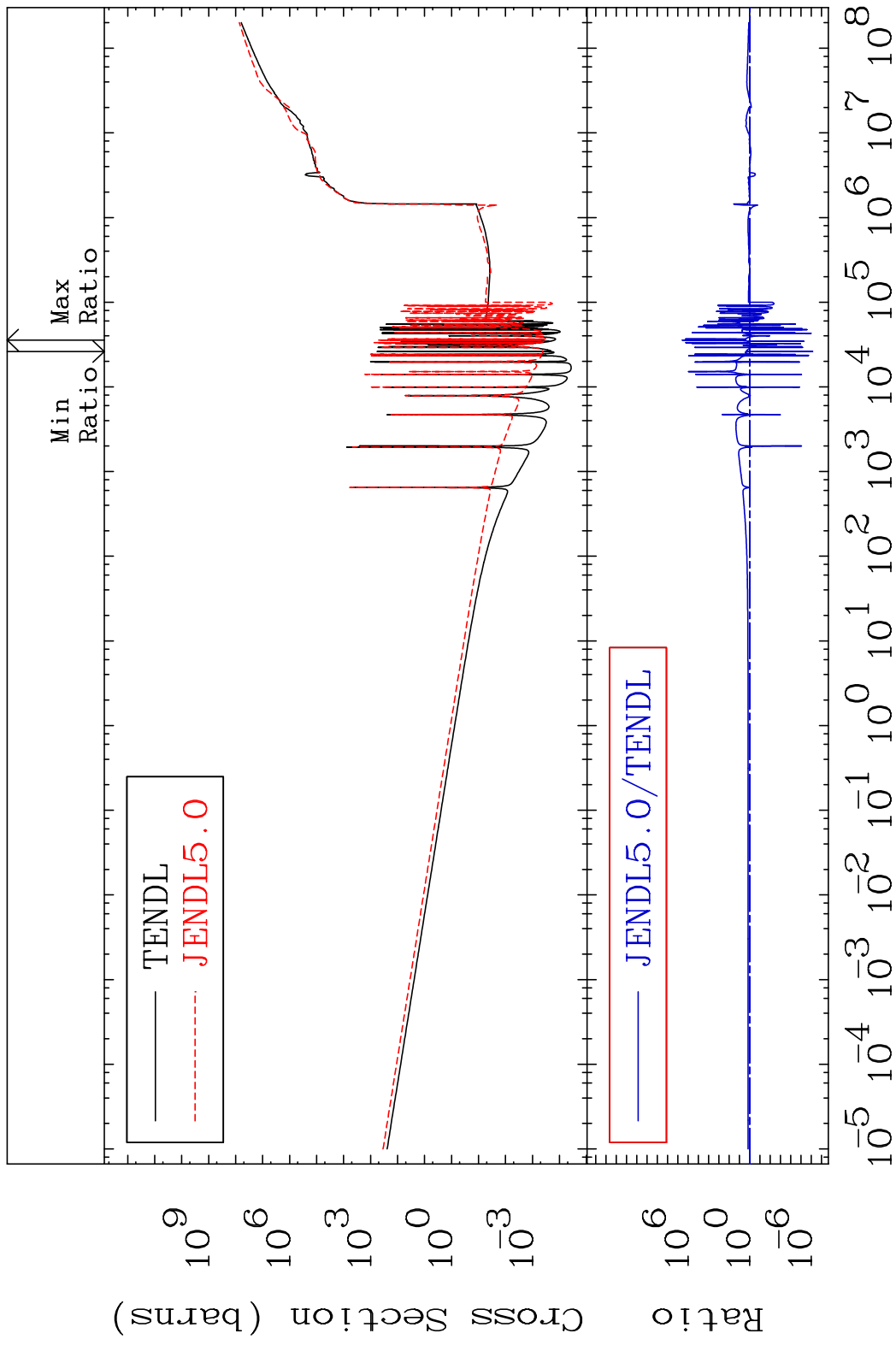


45

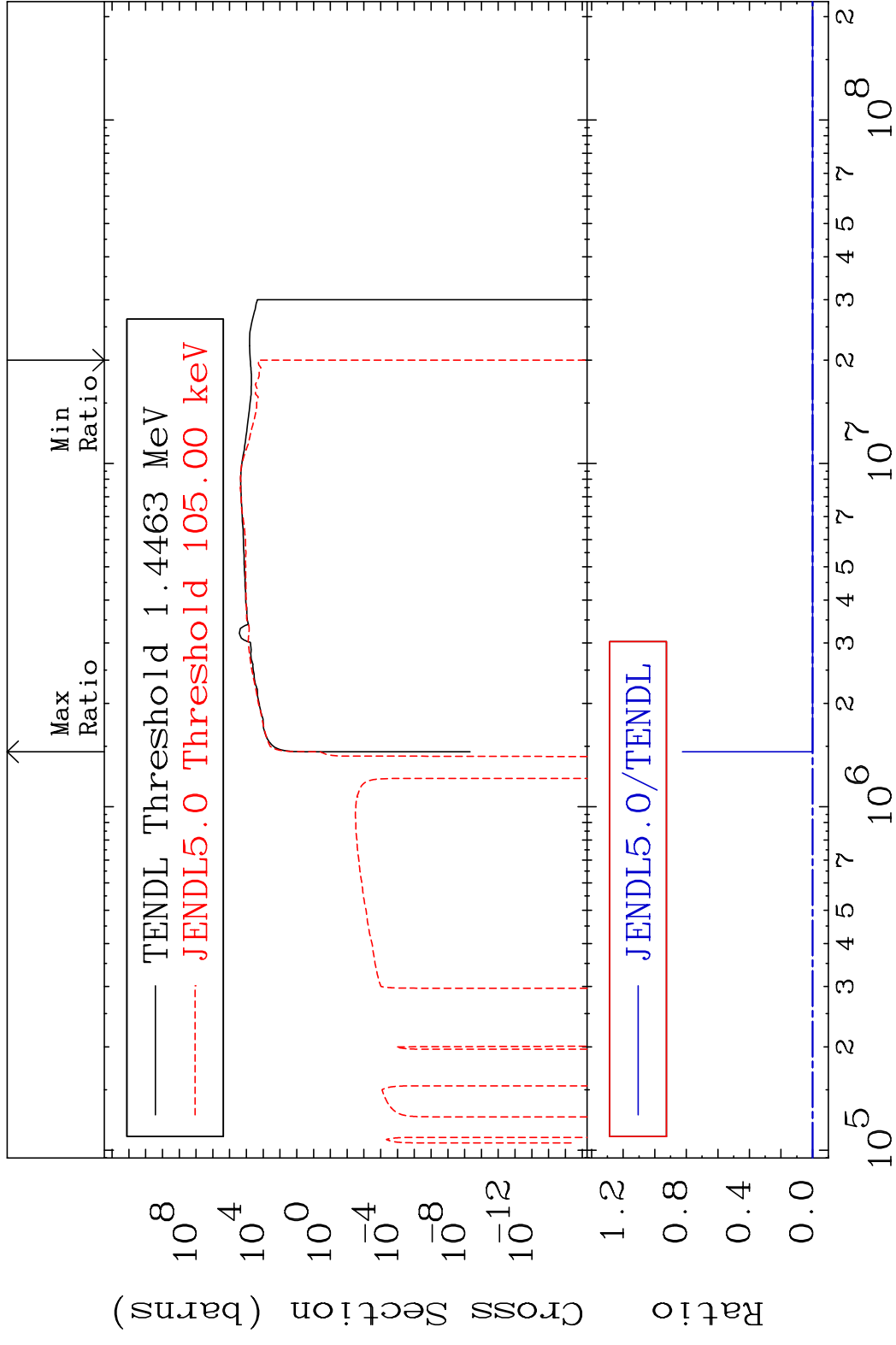
Incident Energy (eV)

56-Ba-138

MAT 5649 Kerma non-elastic (all but mt2) 56-Ba-138
 Cross Section -100.0 To 9999. %

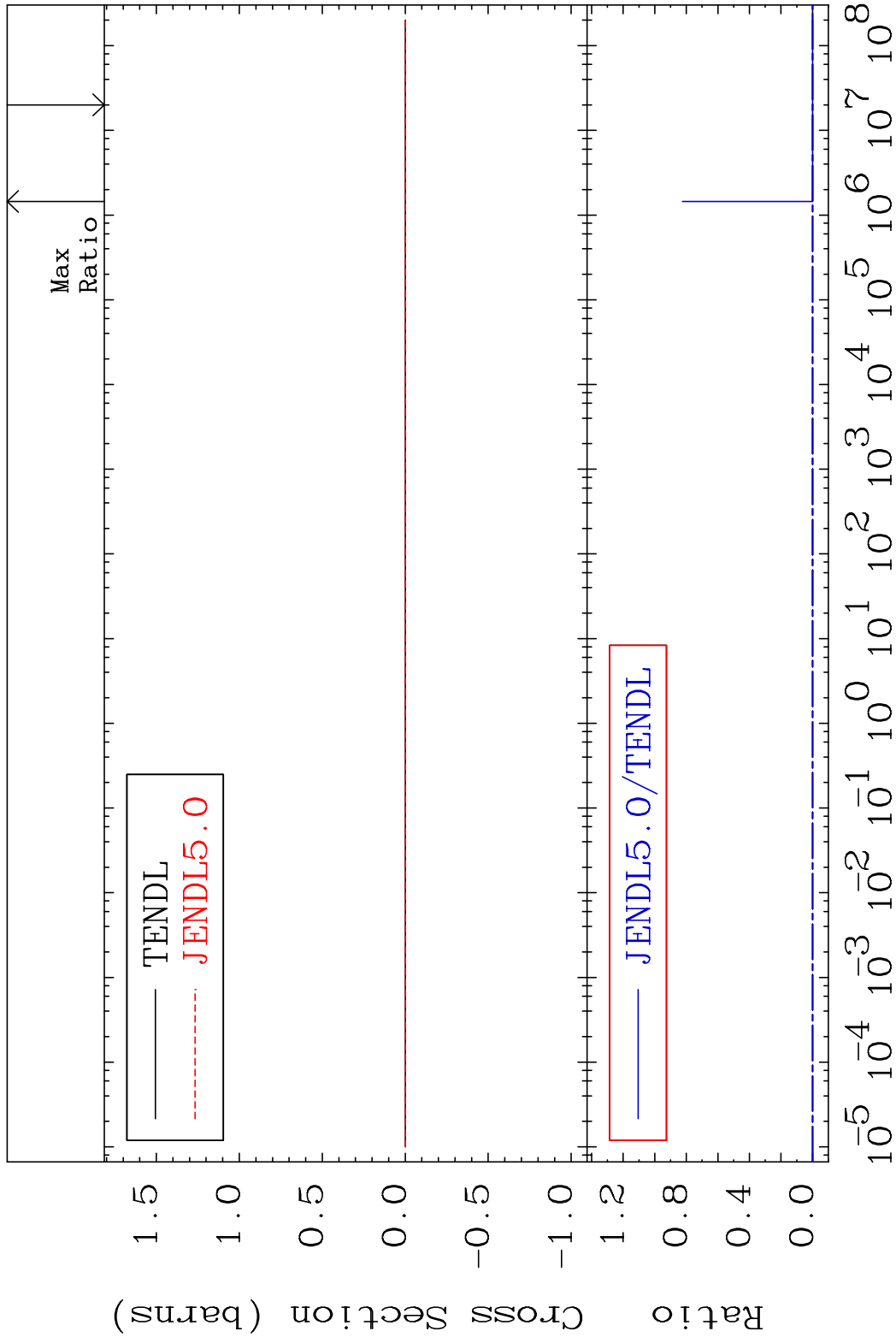


MAT 5649 Kerma inelastic (mt51-91) 56-Ba-138
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 56-Ba-138

MAT 5649 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-138
 Cross Section -100.0 To 9999. %

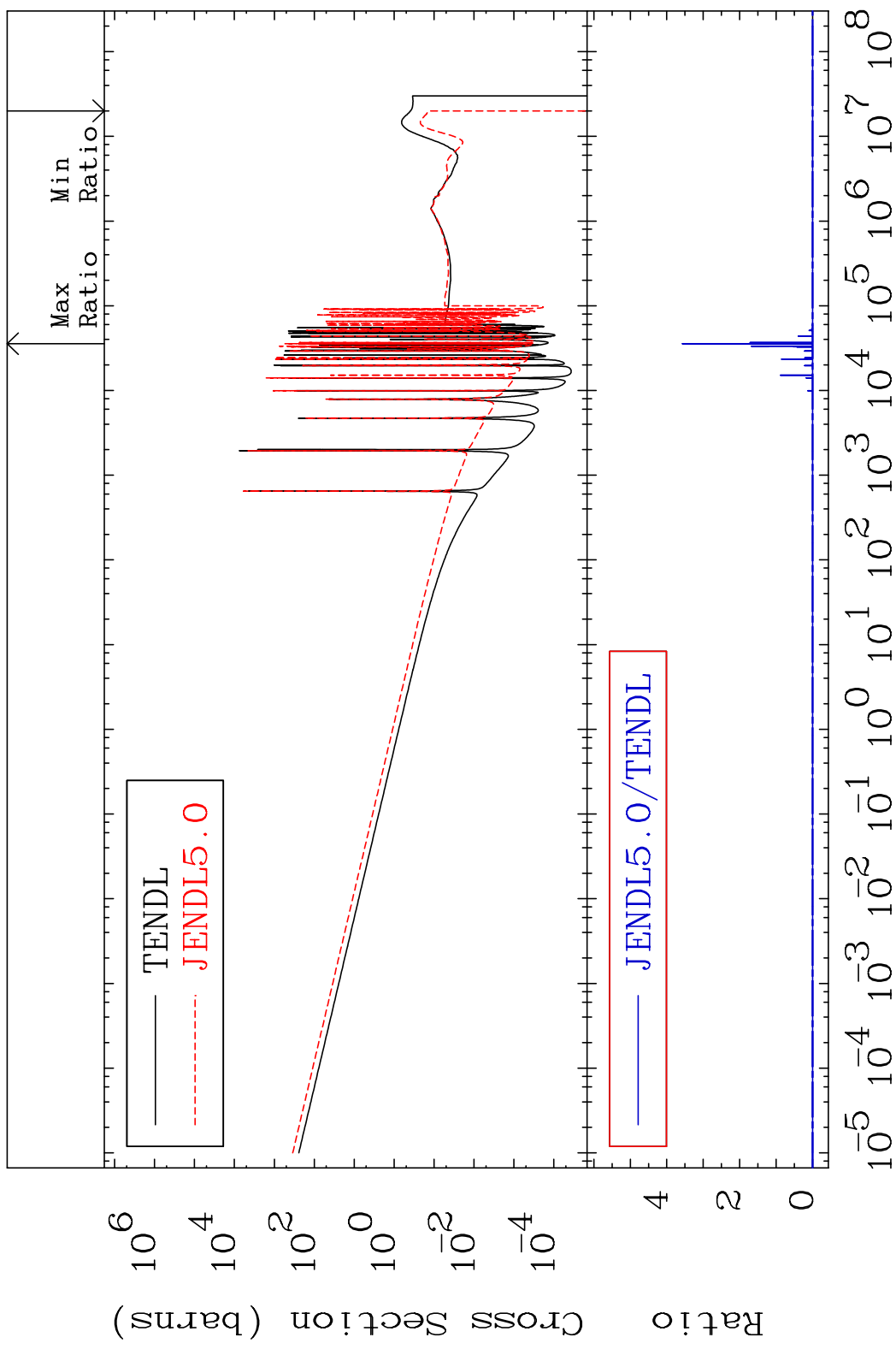


MAT 5649

Kerma capture (mt102)

56-Ba-138

Cross Section -100.0 To 9999. %

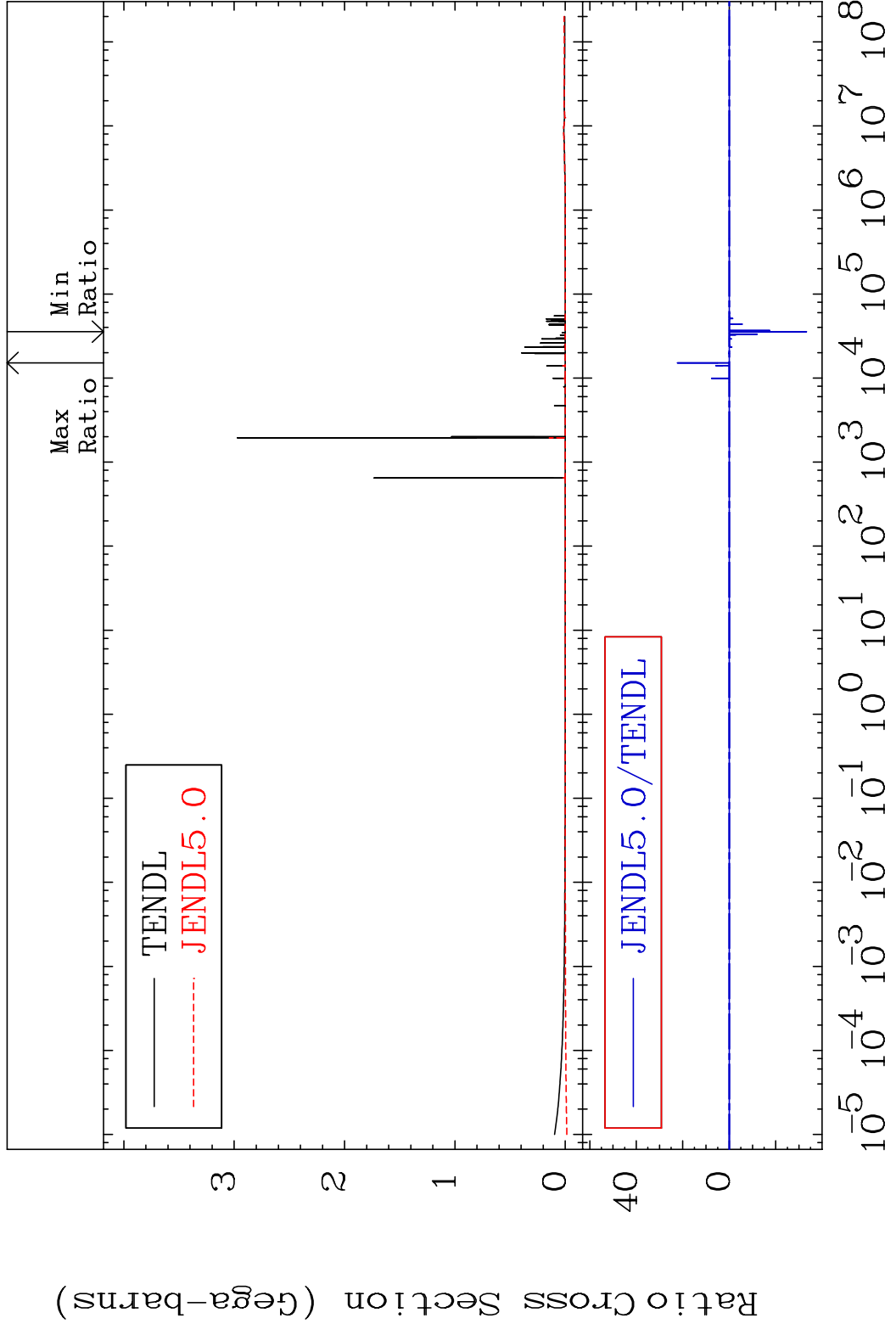


49

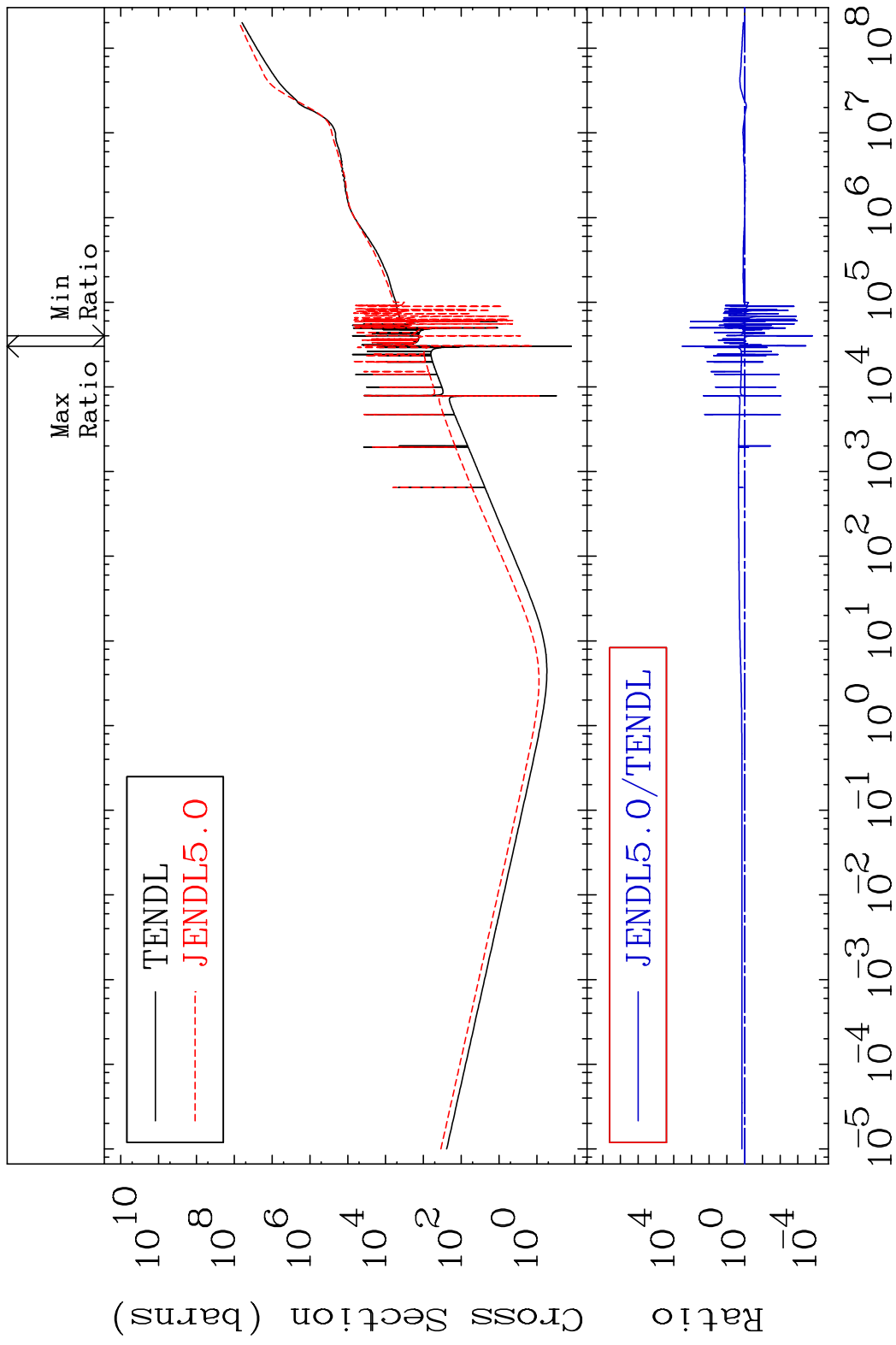
Incident Energy (eV)

56-Ba-138

MAT 5649 Total photon (eV-barns) 56-Ba-138
Cross Section -9999. To 9999. %



MAT 5649 Total kinematic kerma (high limit) 56-Ba-138
 Cross Section -99.99 To 9999. %

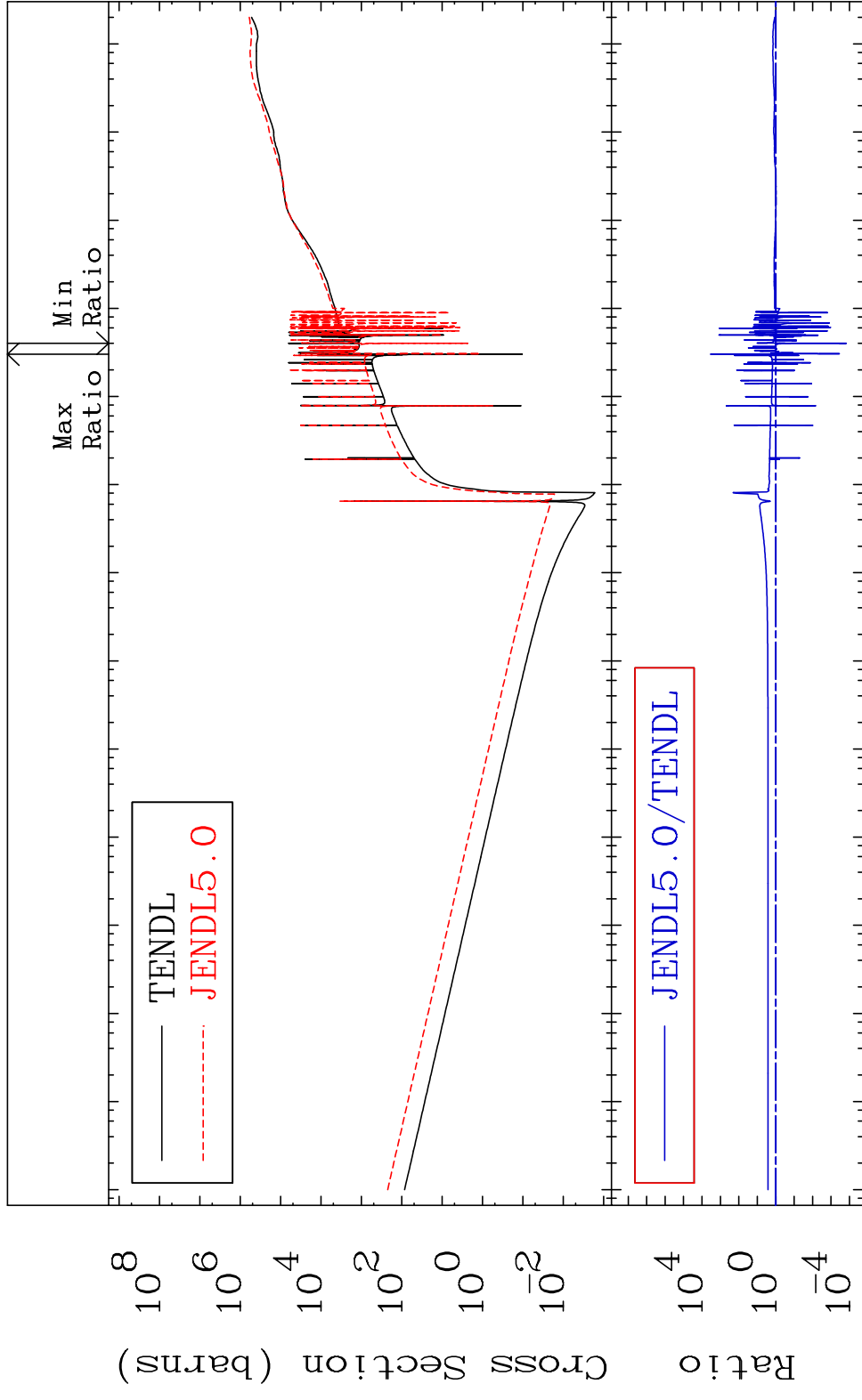


MAT 5649

Dpa total (eV-barns)

56-Ba-138

Cross Section -99.99 To 9999. %



52

Incident Energy (eV)

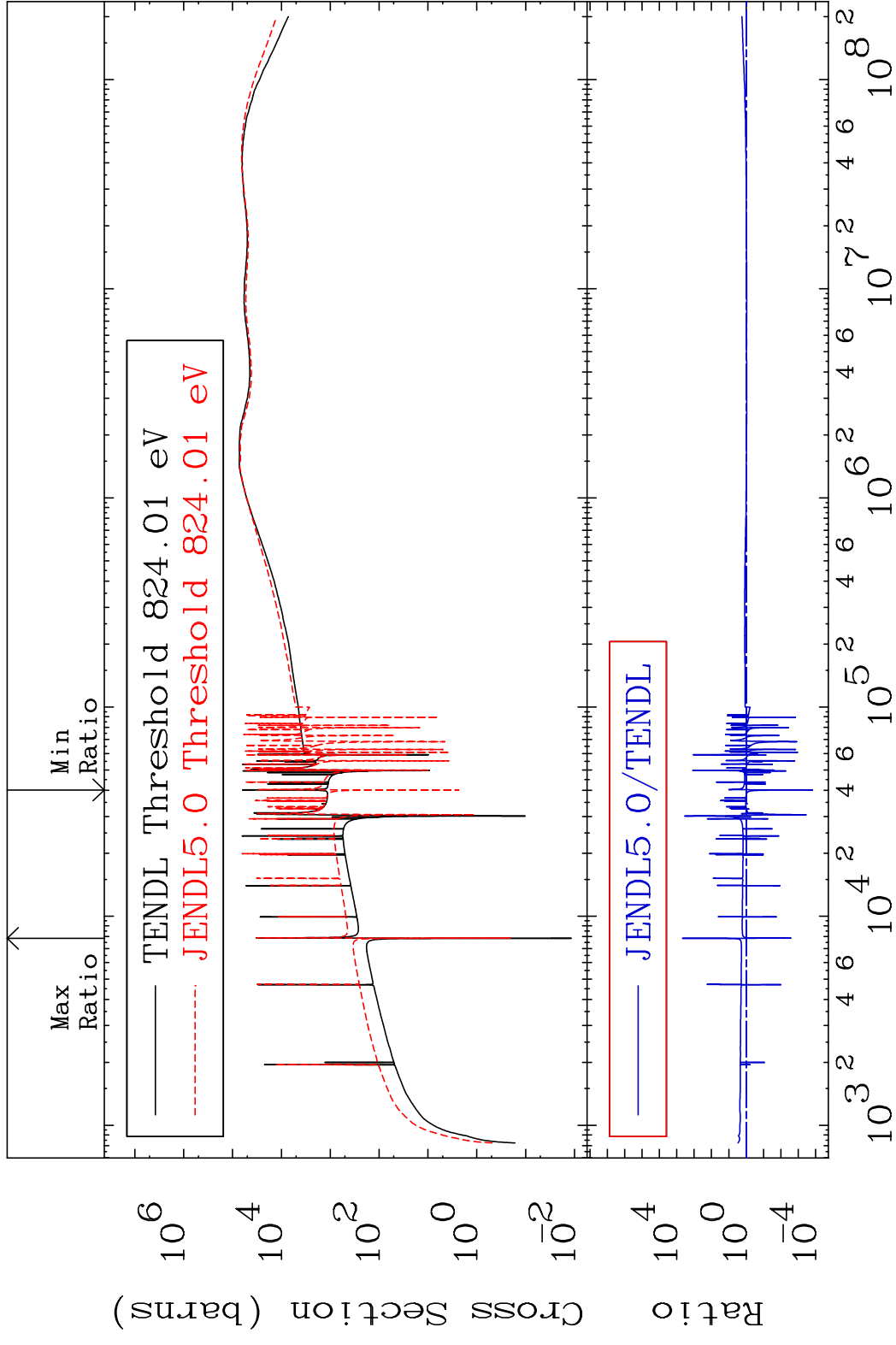
56-Ba-138

MAT 5649

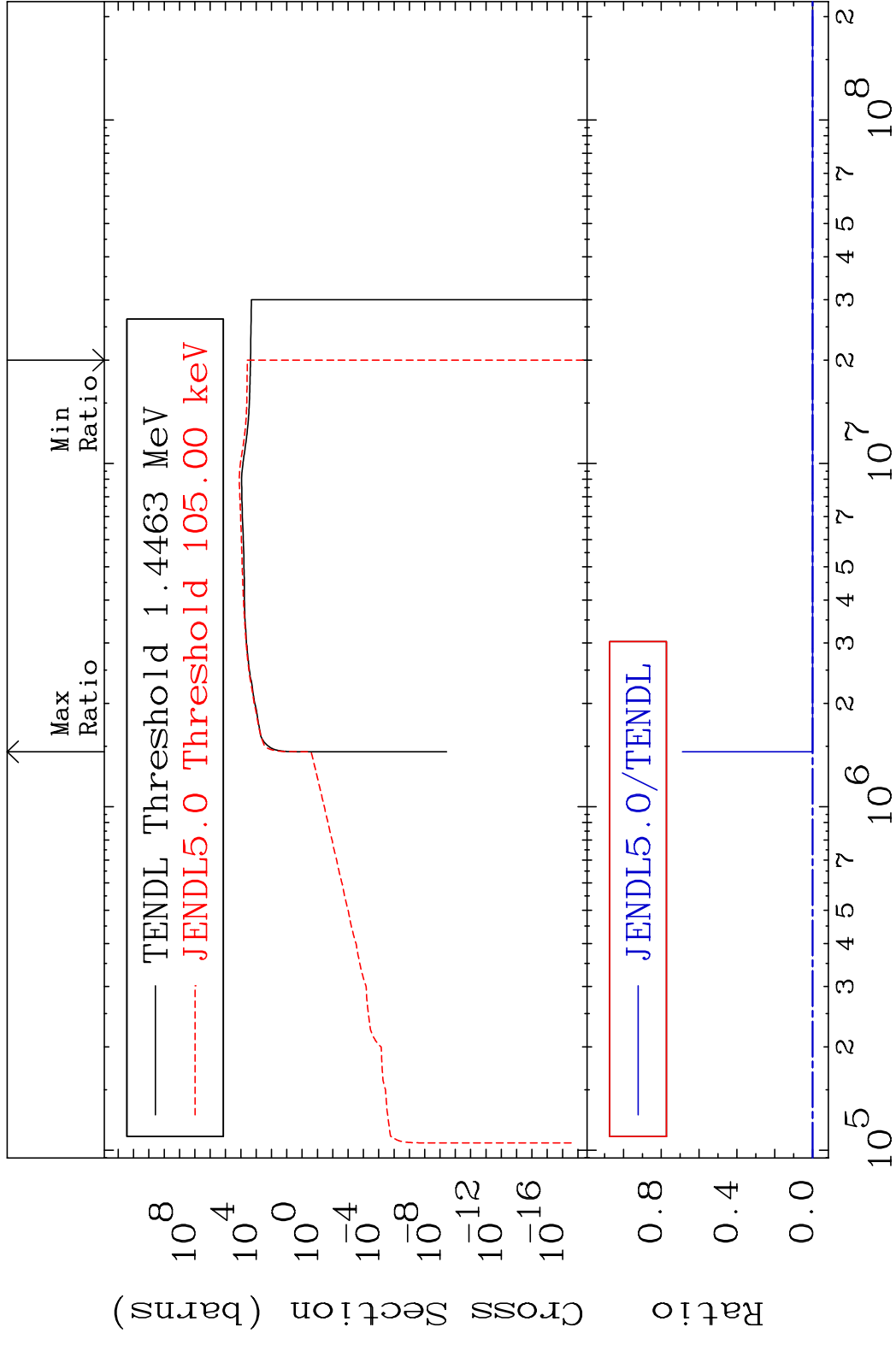
Dpa elastic (mt2)

56-Ba-138

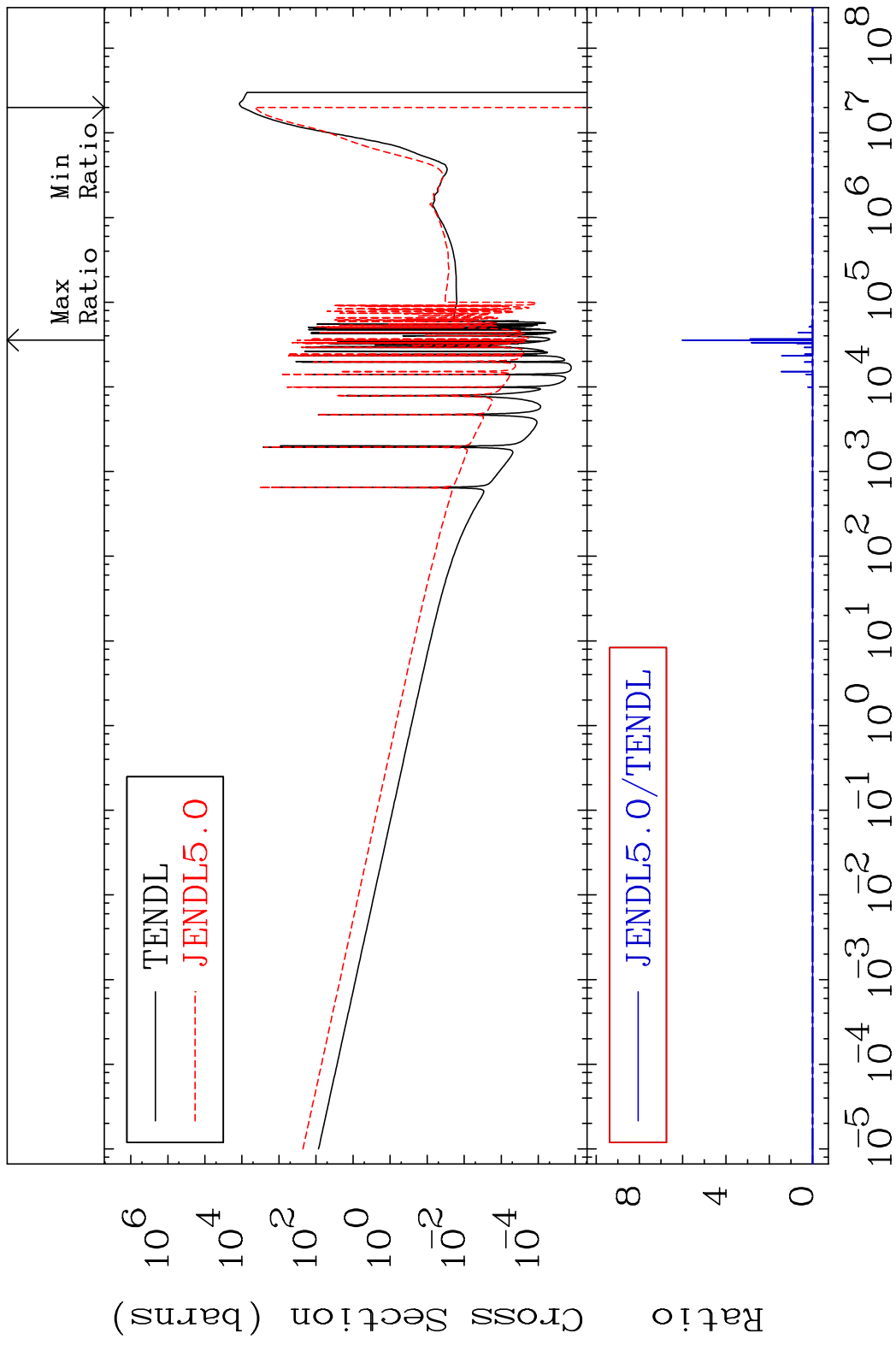
Cross Section -99.99 To 9999. %



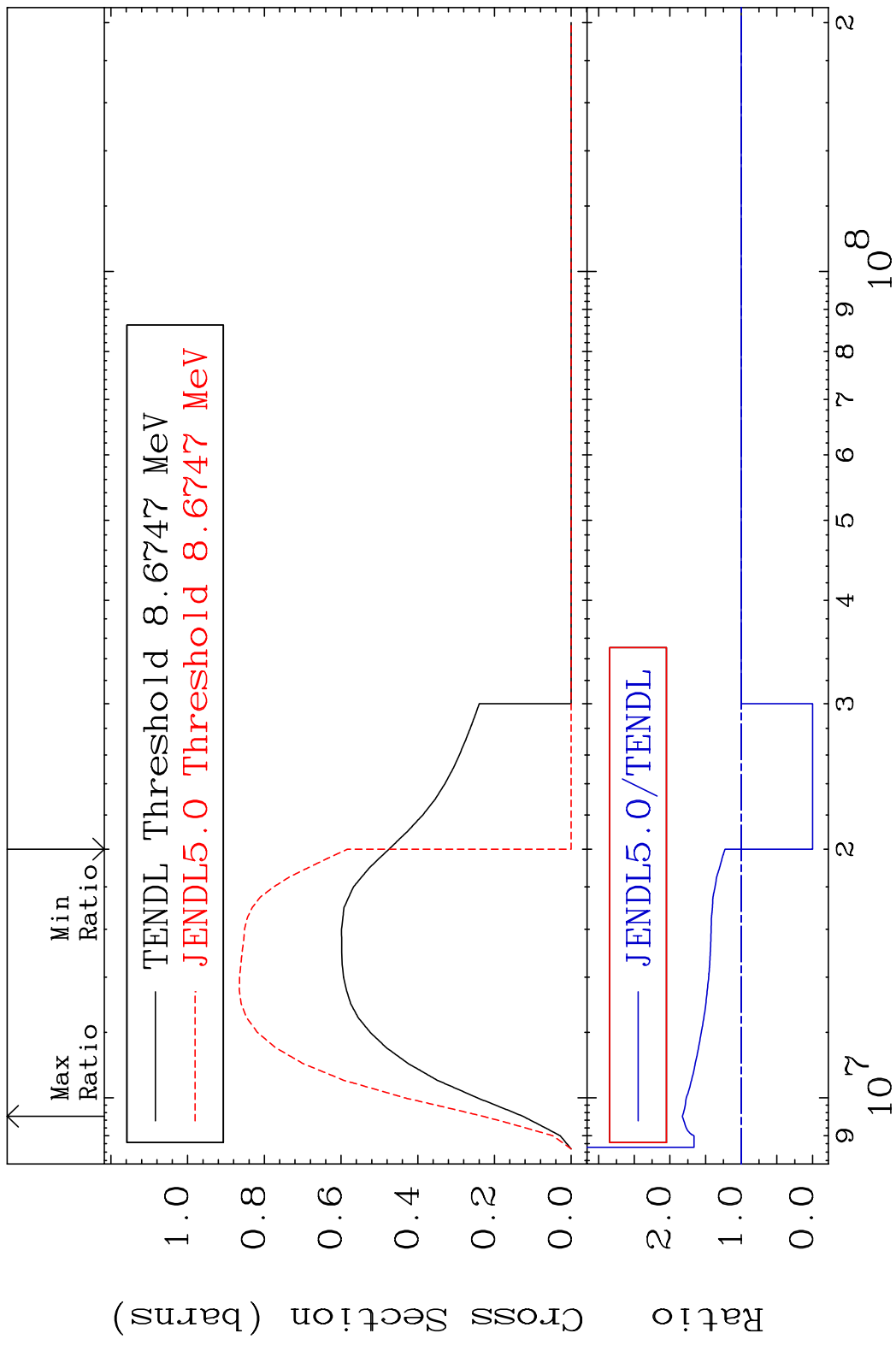
MAT 5649 Dpa inelastic (mt51-91) 56-Ba-138
 Cross Section -100.0 To 9999. %



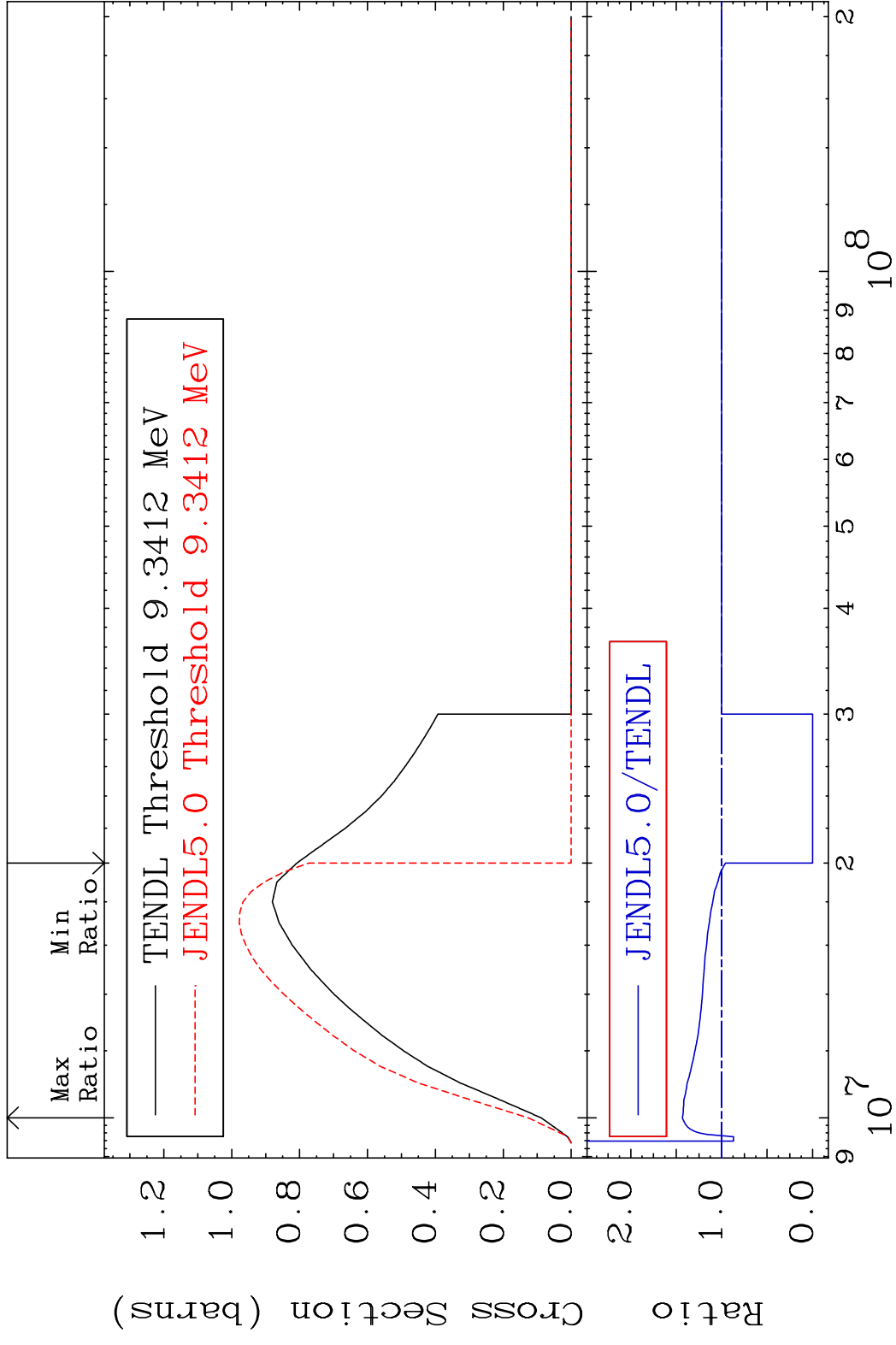
MAT 5649 Dpa disappearance (mt102 -120) 56-Ba-138
 Cross Section -100.0 To 9999. %

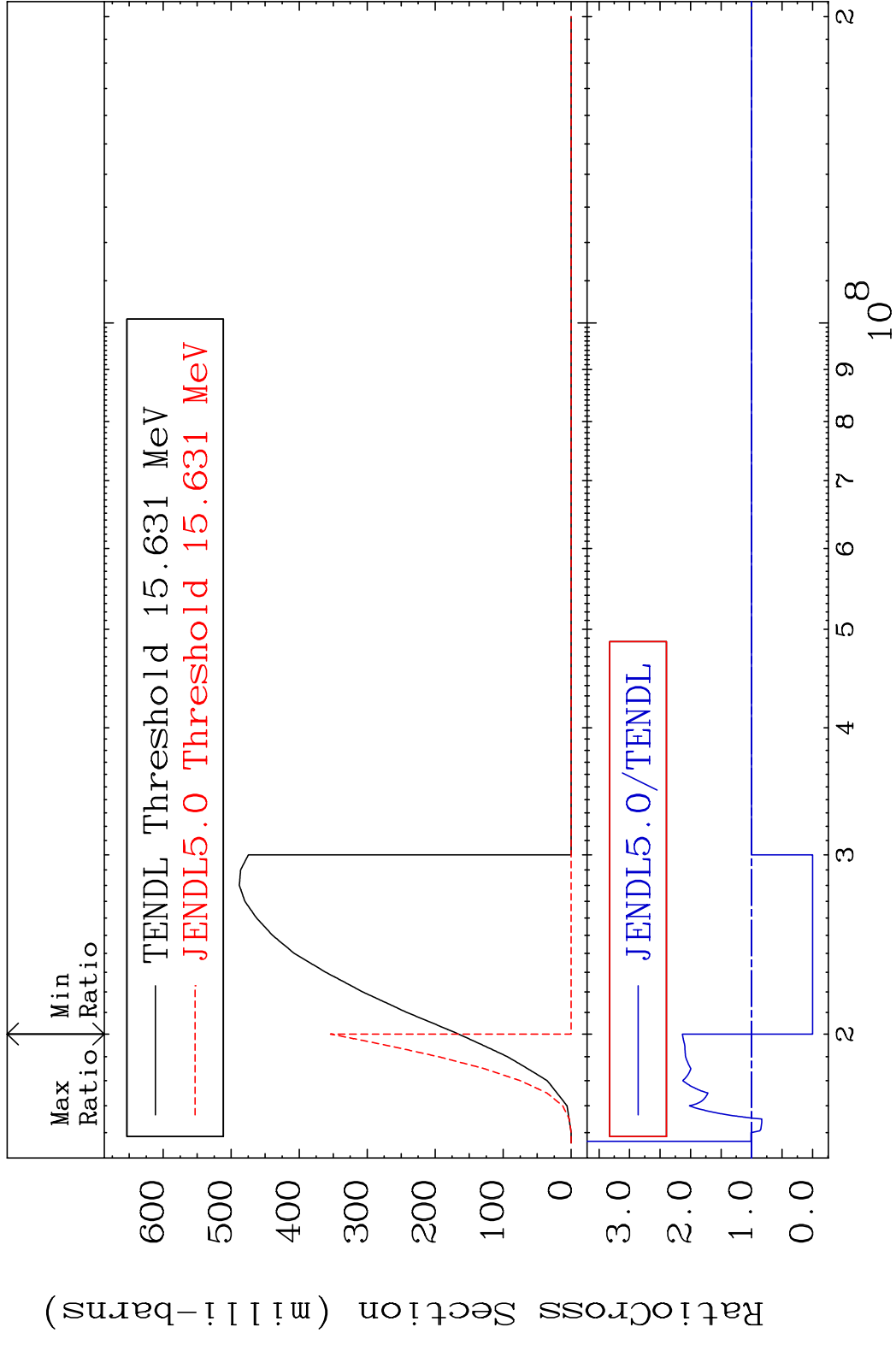


55 Incident Energy (eV) 56-Ba-138

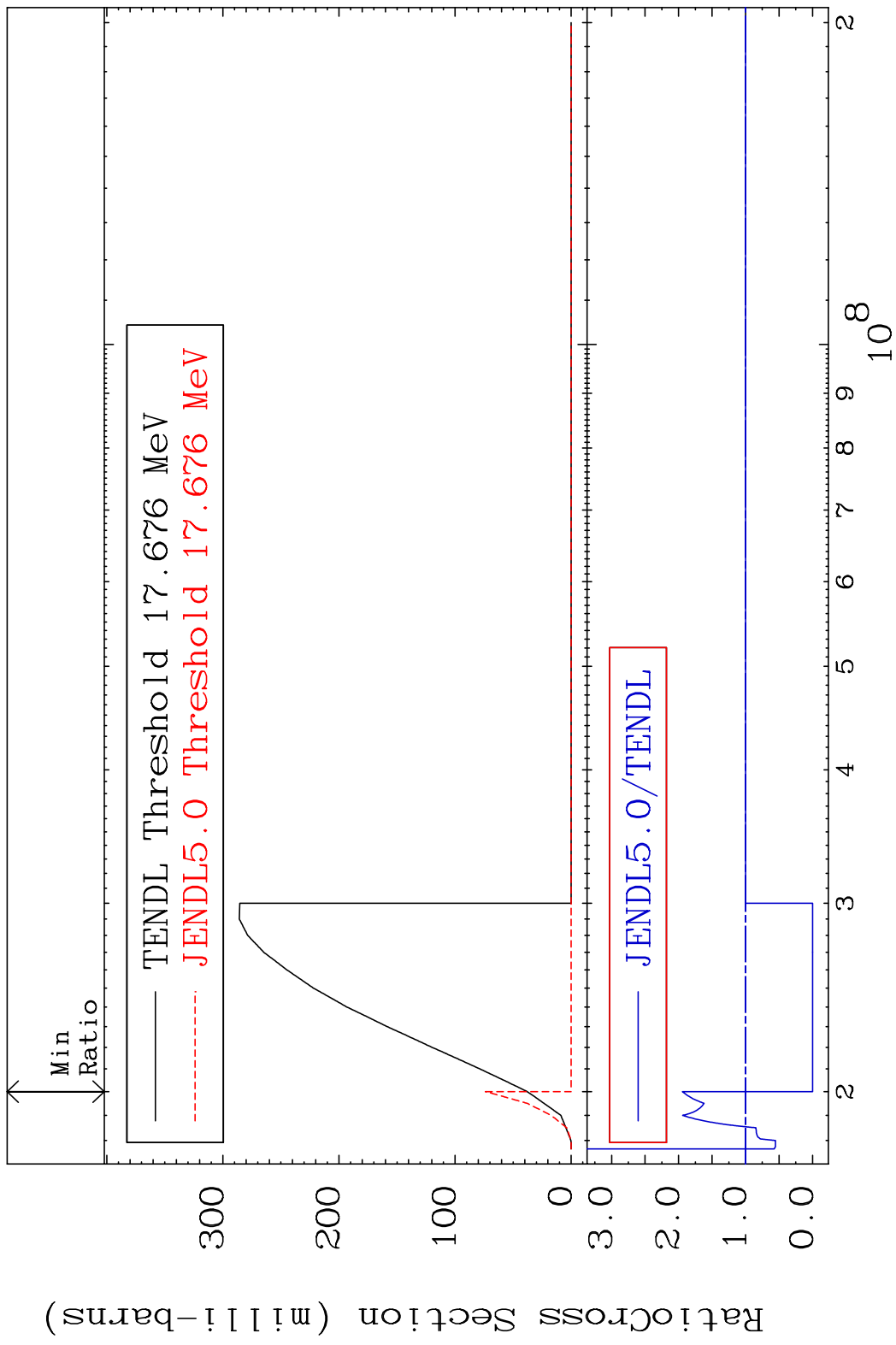


MAT 5649 (n,2n):56-Ba-137m2 56-Ba-138
 Radionuclide Production Cross Section 180.01 dth 43.24 %

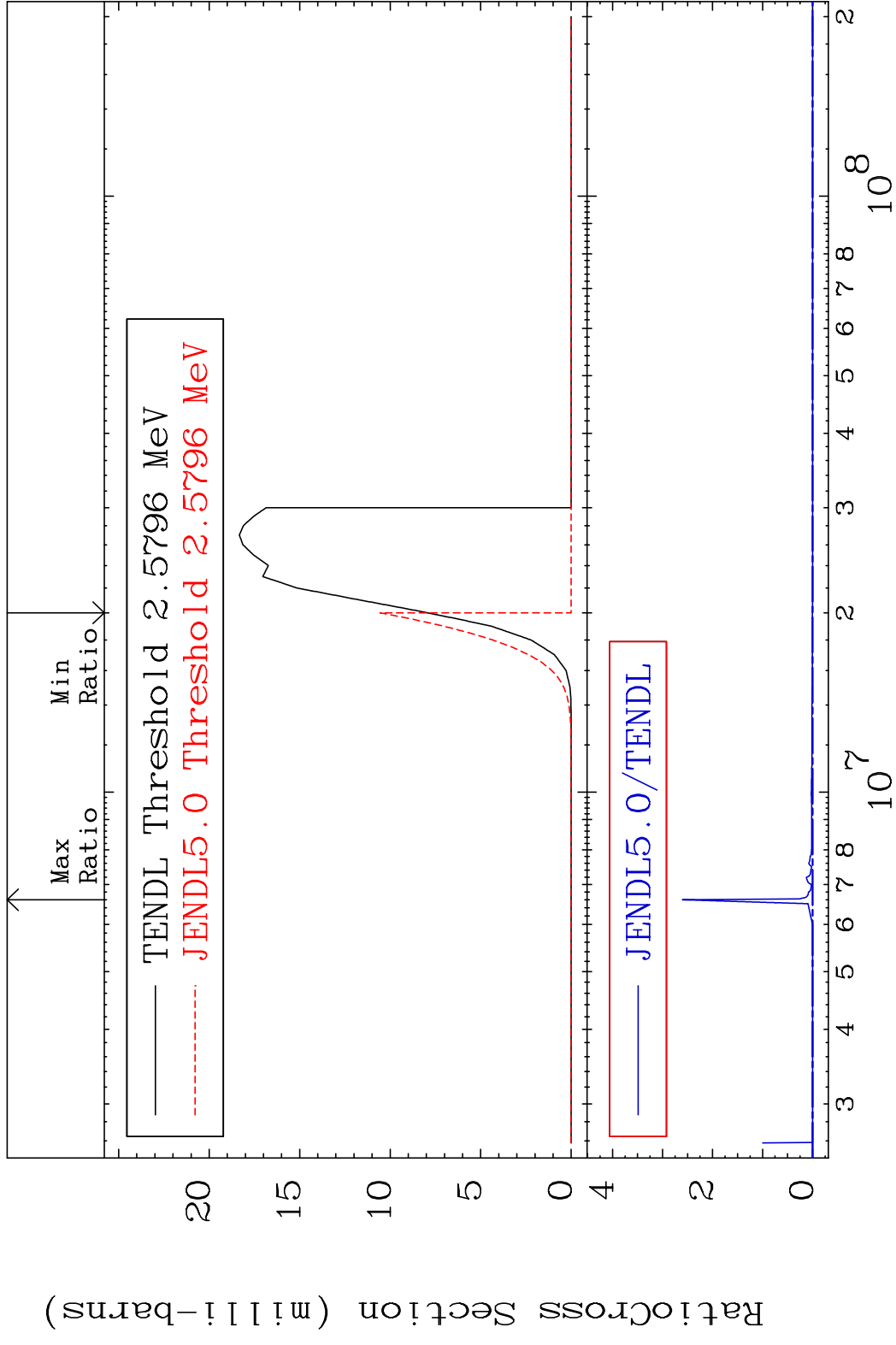




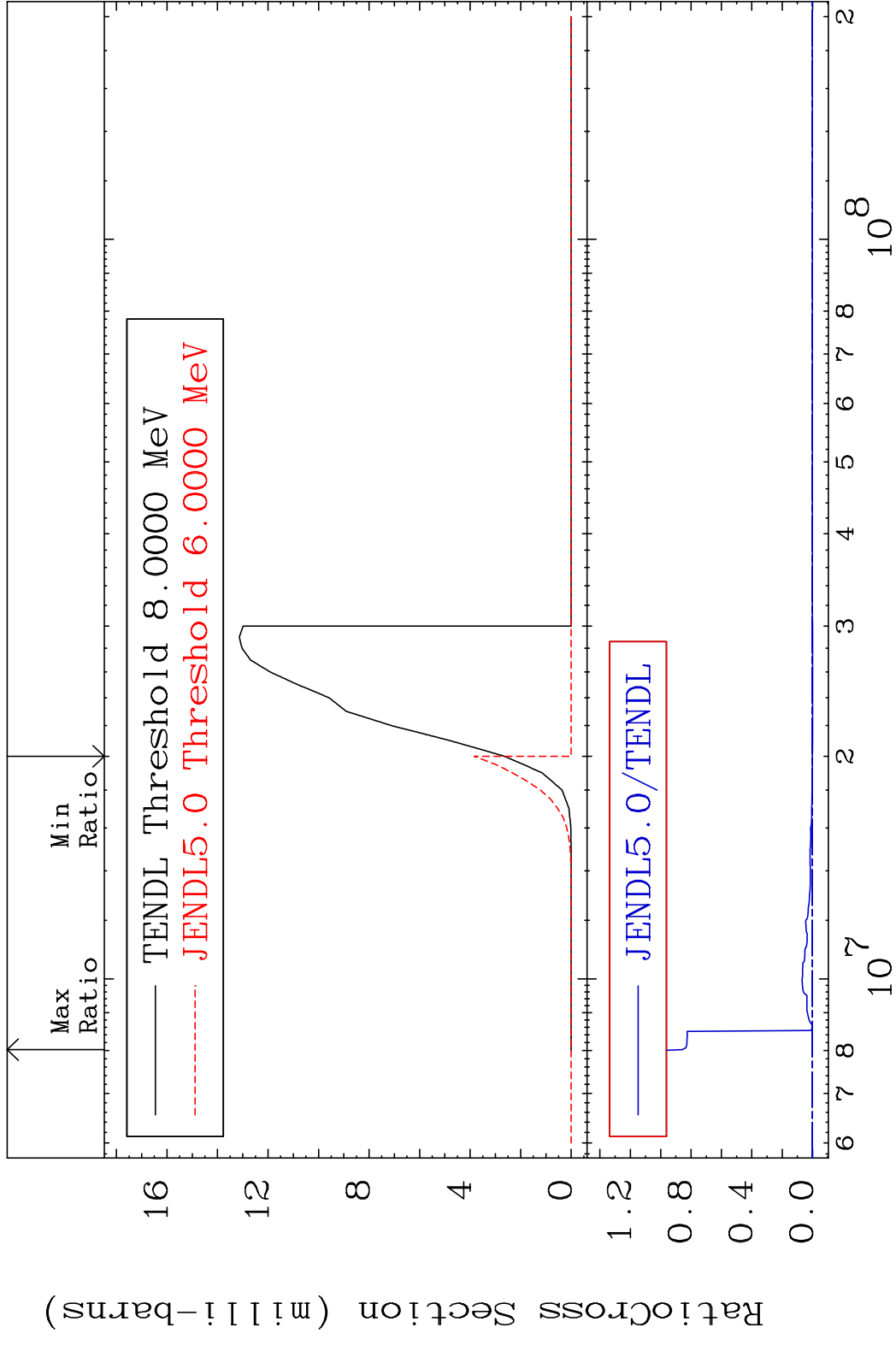
MAT 5649 (n, 3n):56-Ba-136m5 56-Ba-138
 Radionuclide Production Cross Section Ratio 94.37 %

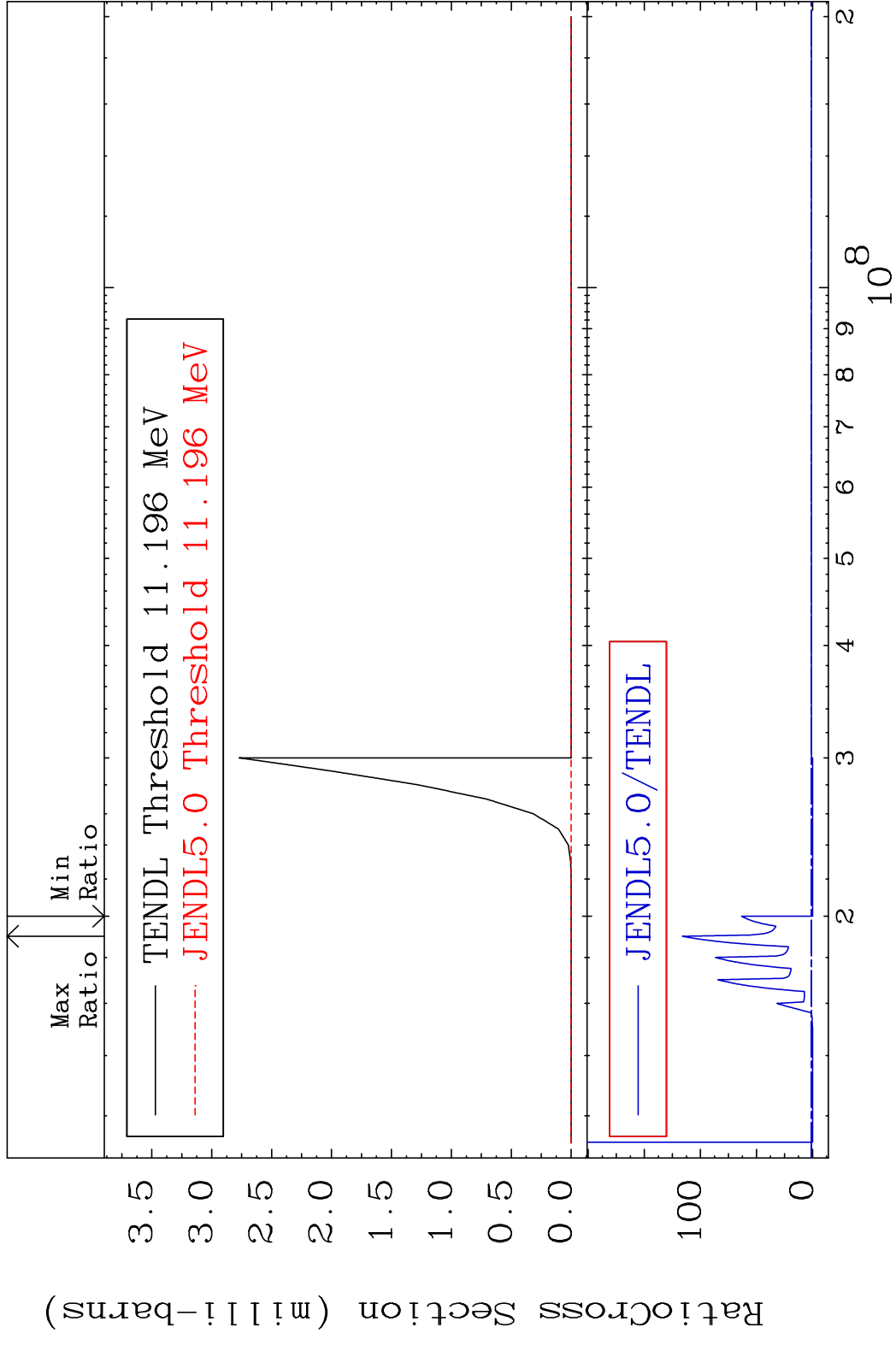


MAT 5649 (n, n') α :54-Xe-134g 56-Ba-138
 Radionuclide Production Cross Section Ratio 9999. %

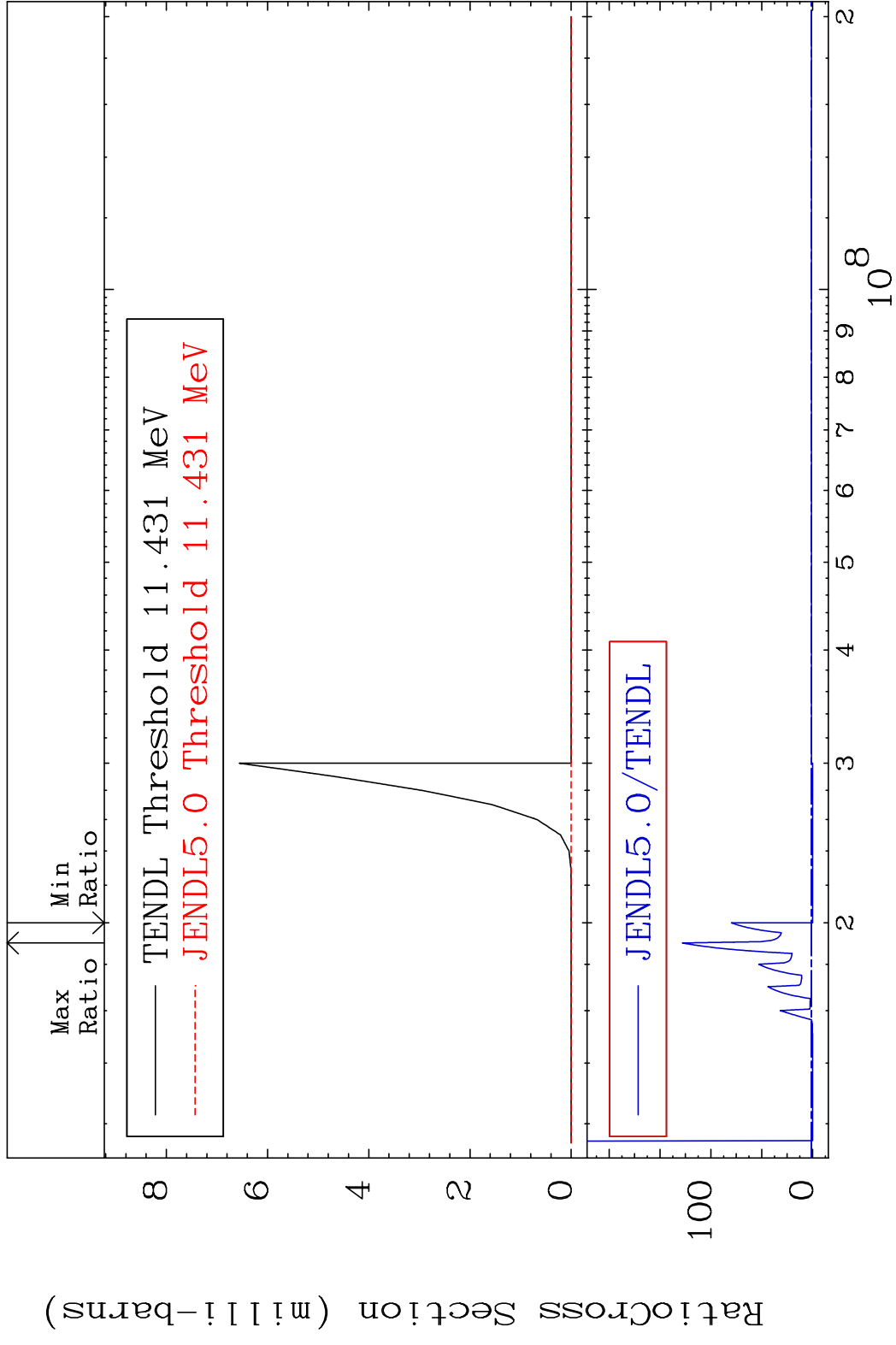


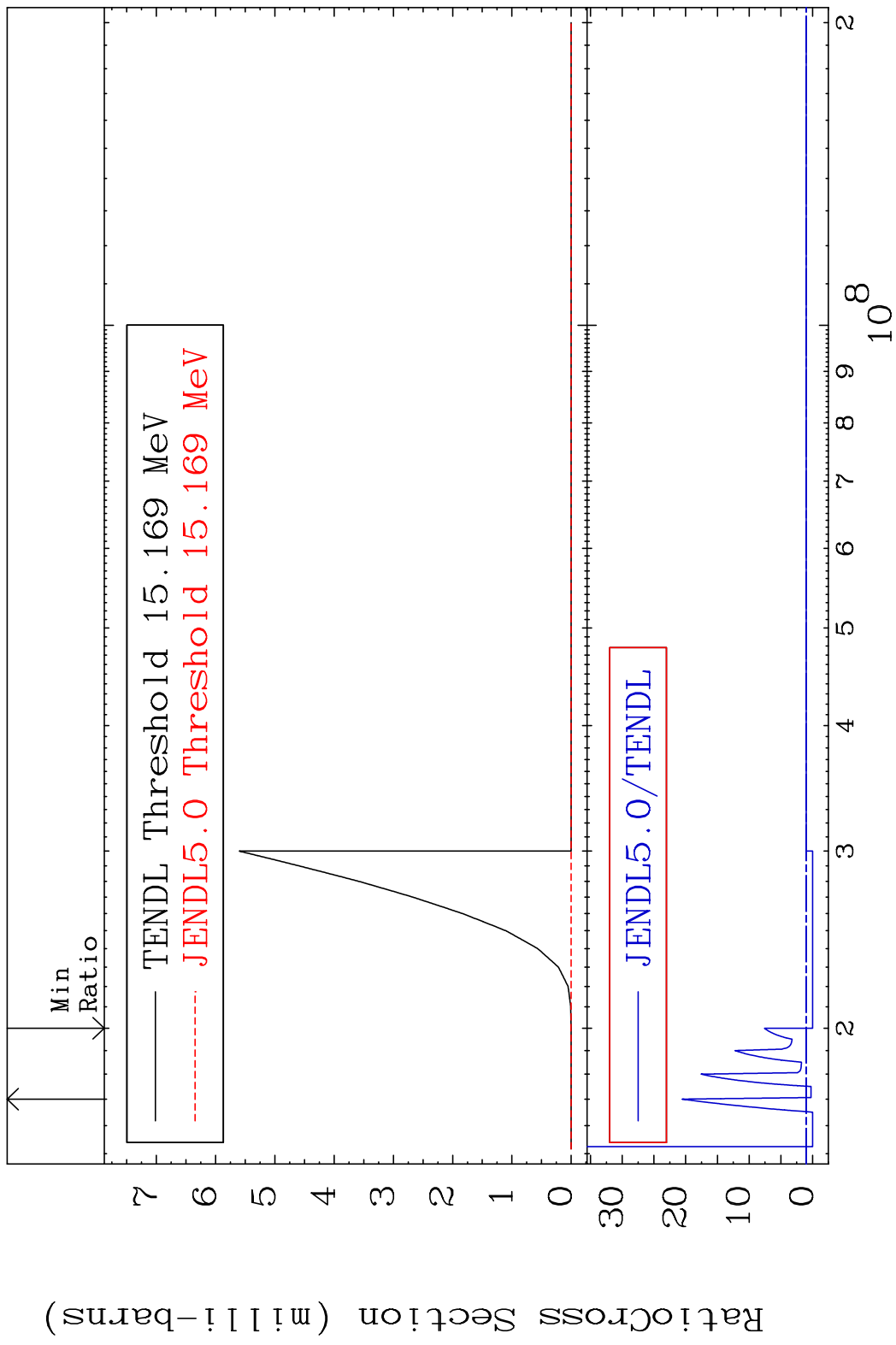
60 Incident Energy (eV) 56-Ba-138

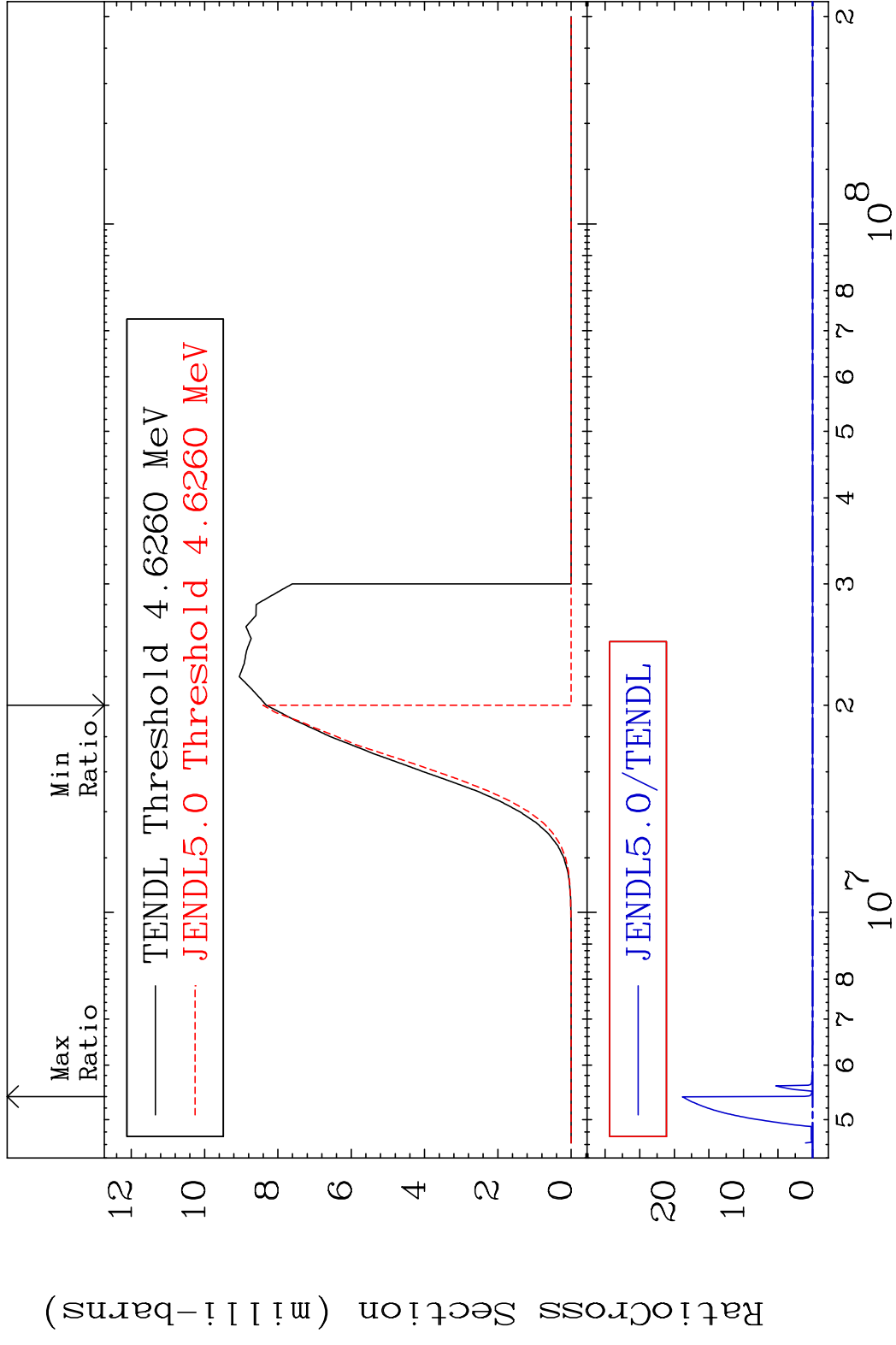


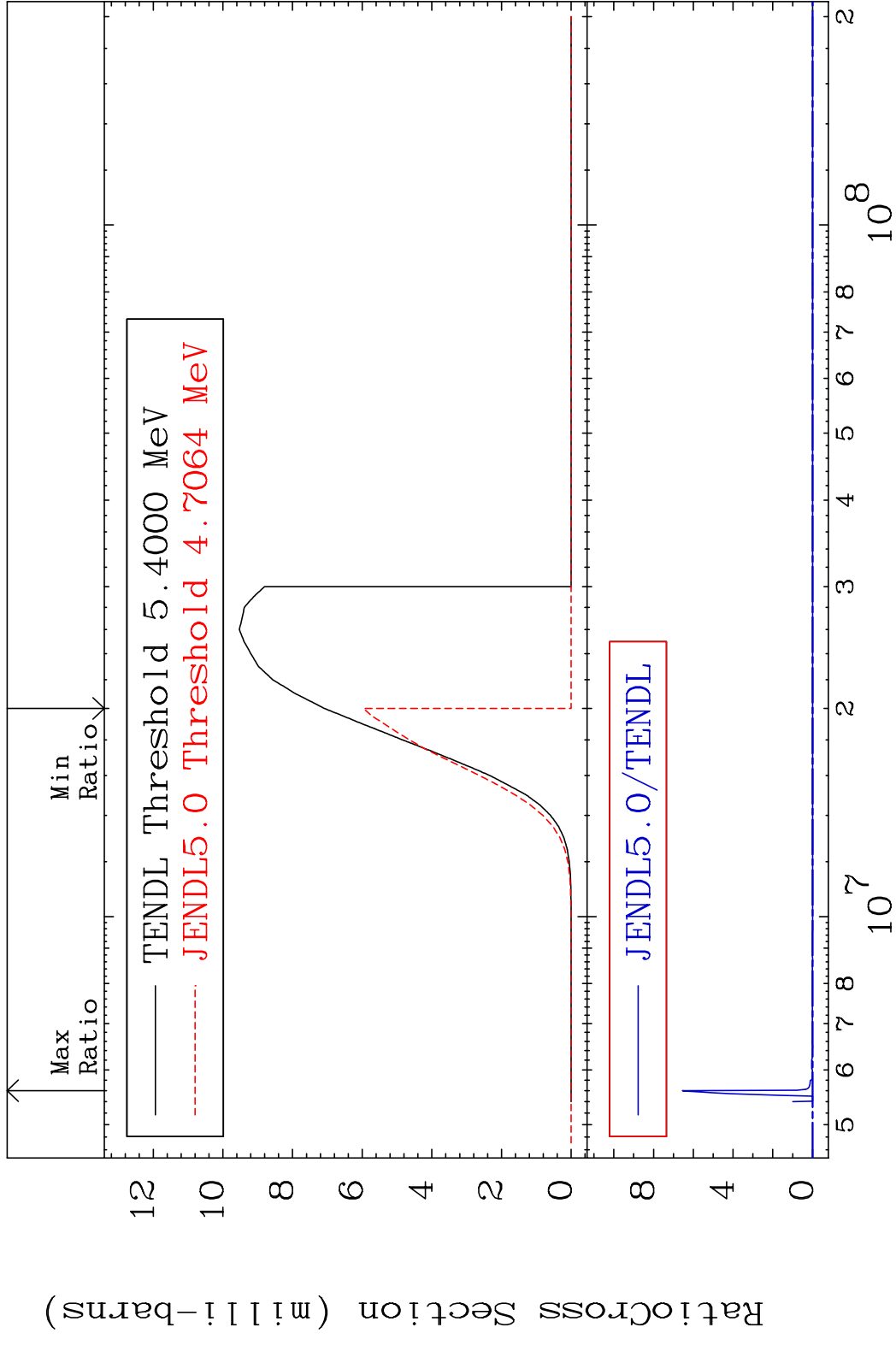


MAT 5649 (n,2n) α :54-Xe-133m1 56-Ba-138
 Radionuclide Production Cross Section Ratio 9999. %









MAT 5649 (n,t):55-Cs-136g 56-Ba-138
 Radionuclide Production Cross Section 180.0 dth 322.2 %

