

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

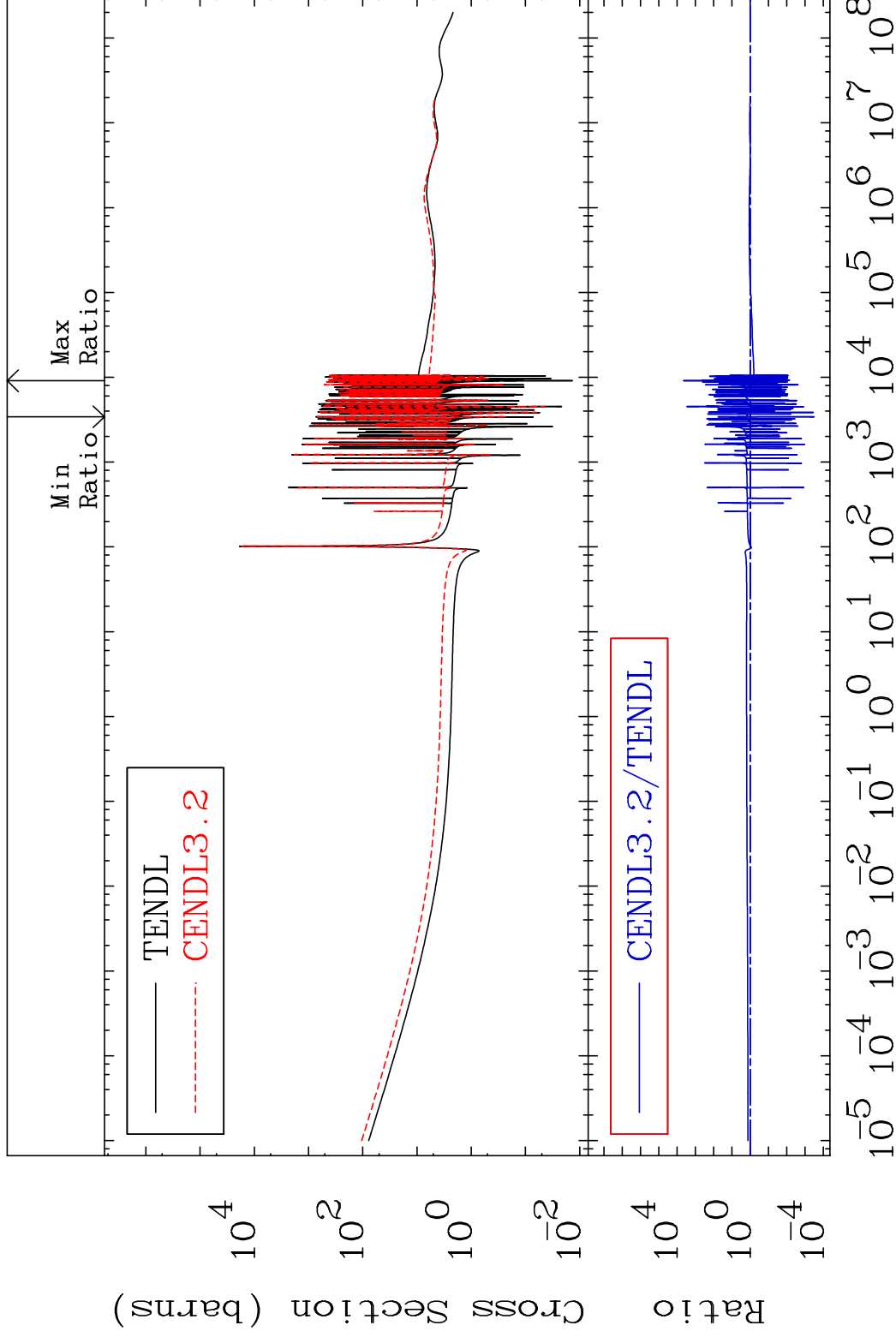
MAT 5637

Total

56-Ba-134

Cross Section

-99.97 To 9999. %



1

Incident Energy (eV)

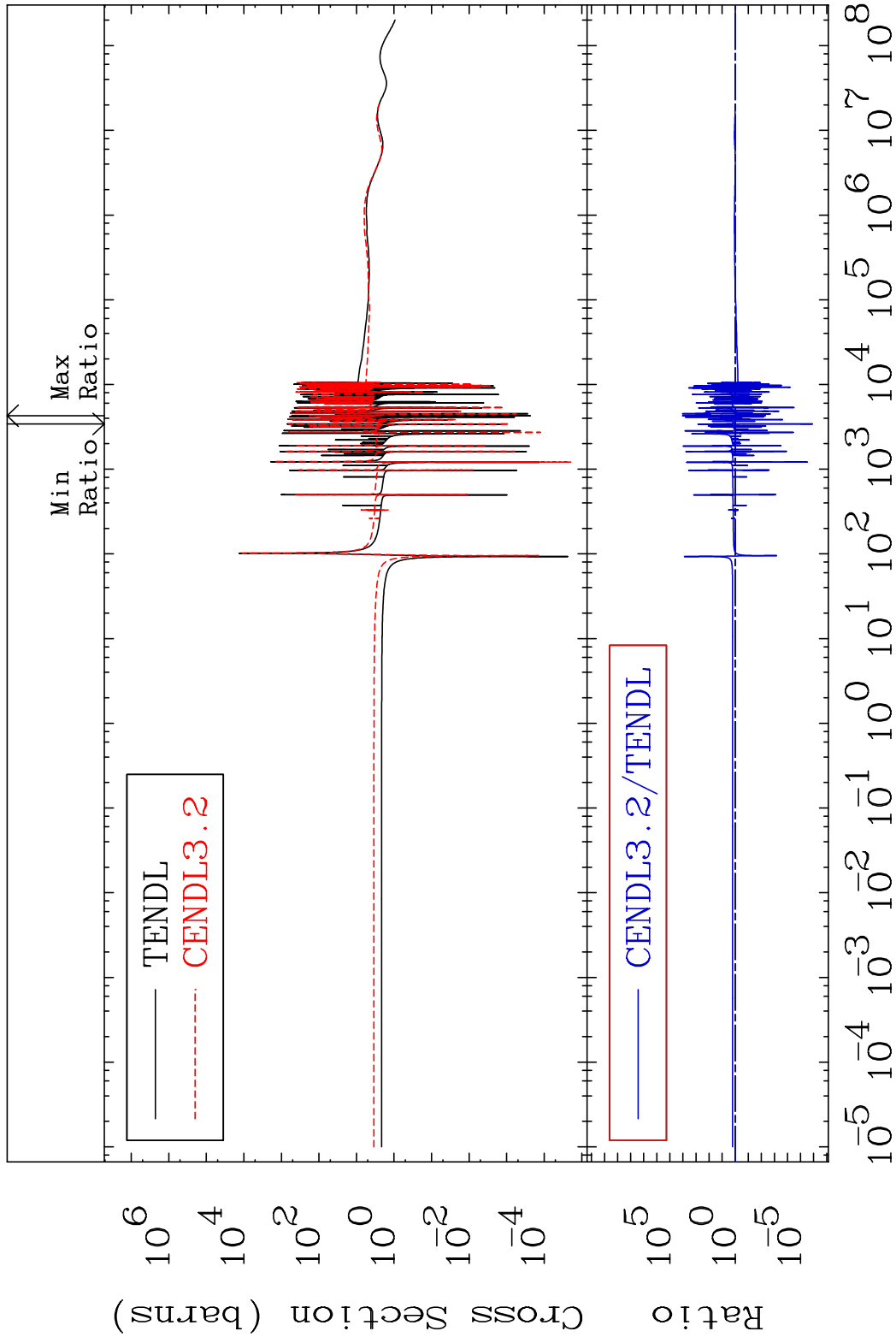
56-Ba-134

MAT 5637

Elastic

56-Ba-134

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

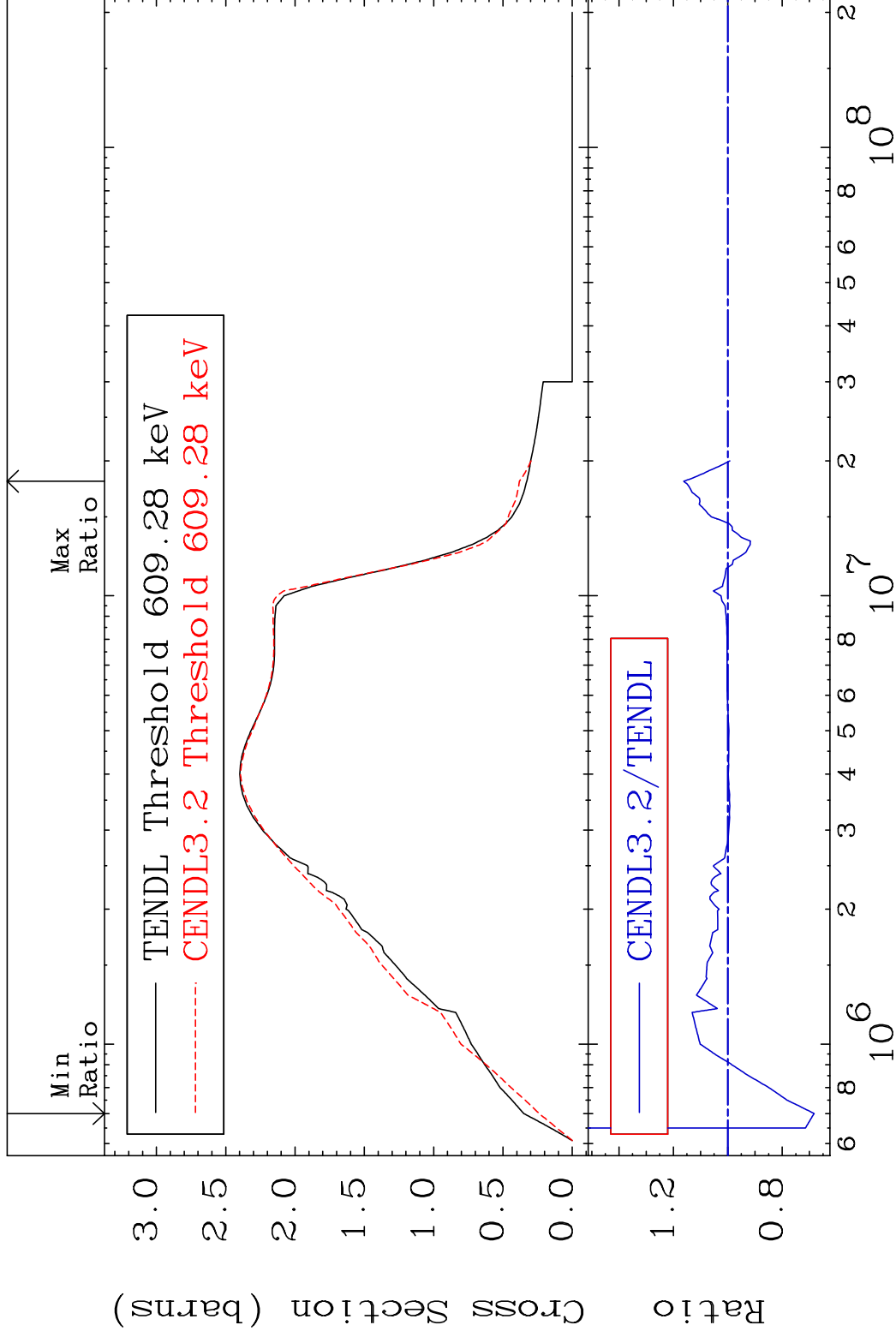
56-Ba-134

MAT 5637

Inelastic

56-Ba-134

Cross Section -31.73 To 16.22 %



3

Incident Energy (eV)

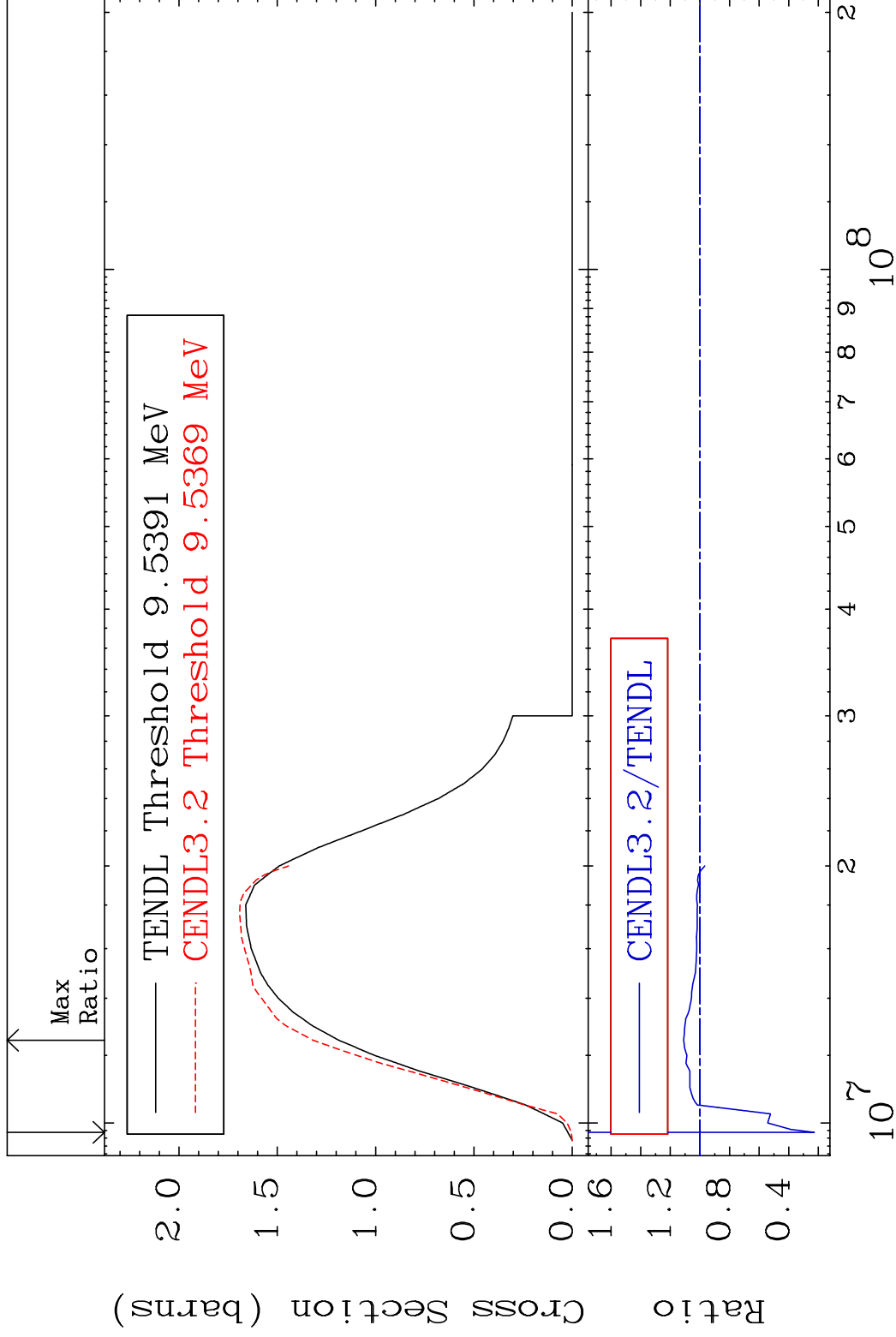
56-Ba-134

MAT 5637

(n,2n)

56-Ba-134

Cross Section -77.14 To 10.99 %



4

Incident Energy (eV)

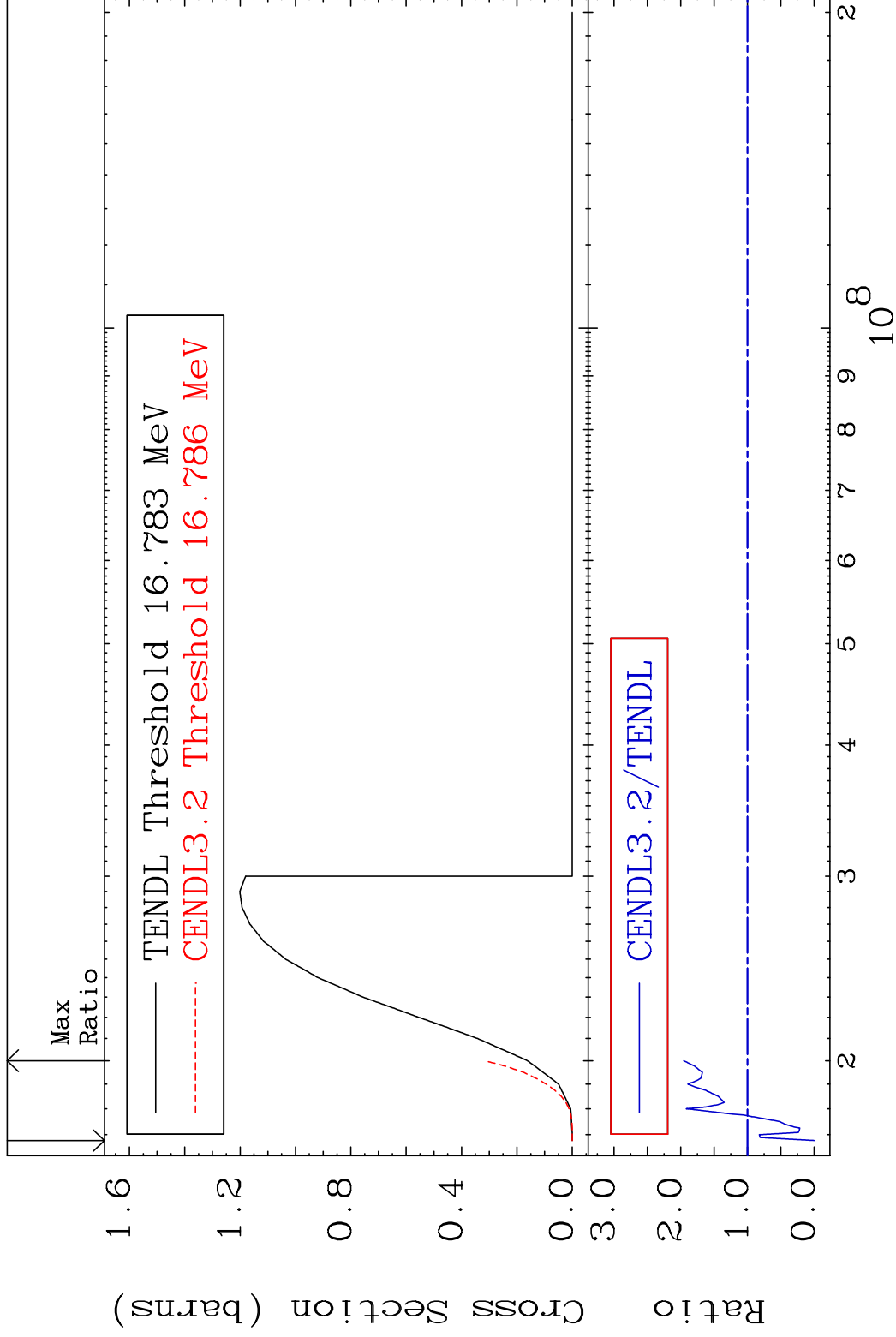
56-Ba-134

MAT 5637

(n,3n)

56-Ba-134

Cross Section -100.0 To 95.50 %



5

Incident Energy (eV)

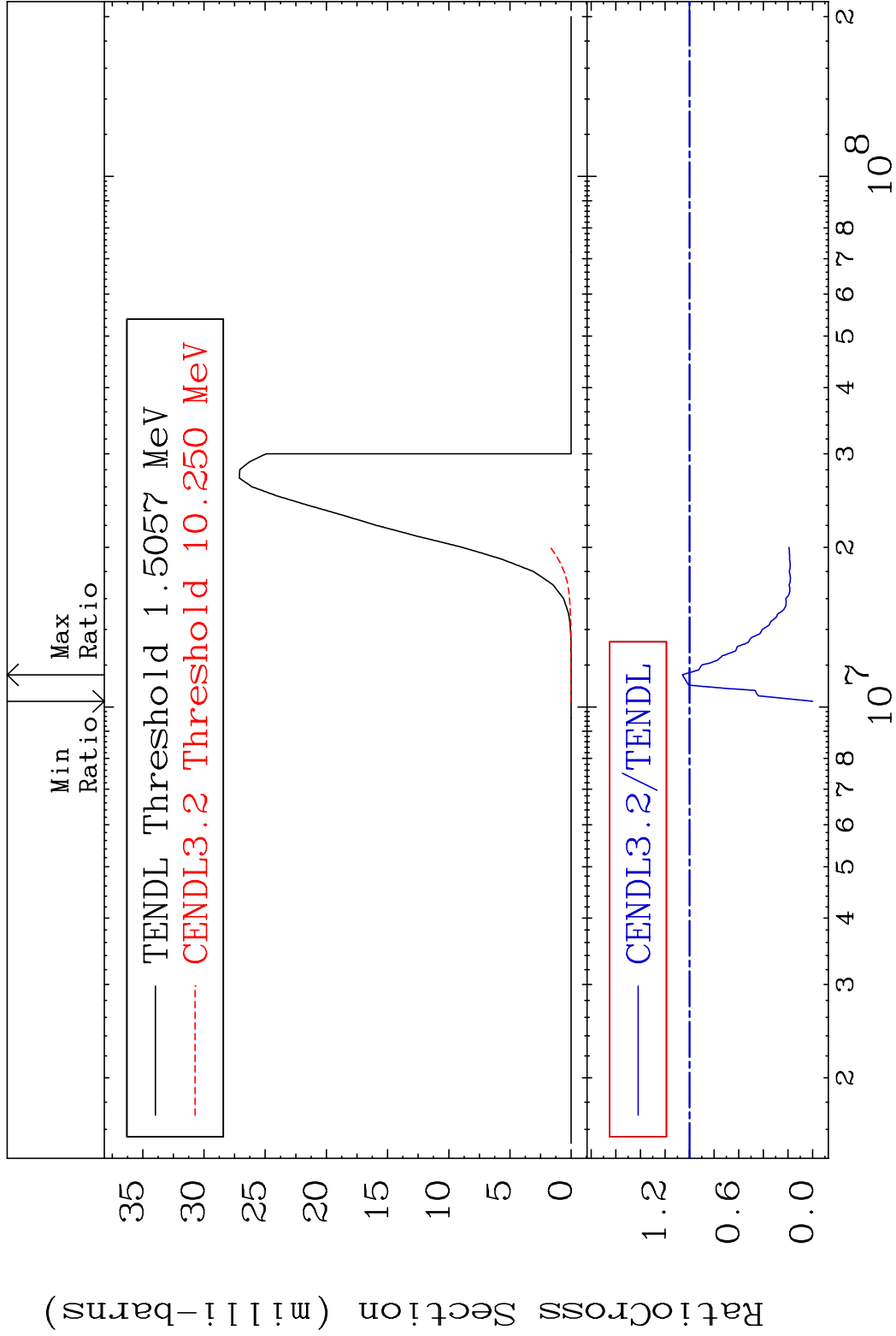
56-Ba-134

MAT 5637

(n, n') α

56-Ba-134

Cross Section -100.0 To 5.859 %



6

Incident Energy (eV)

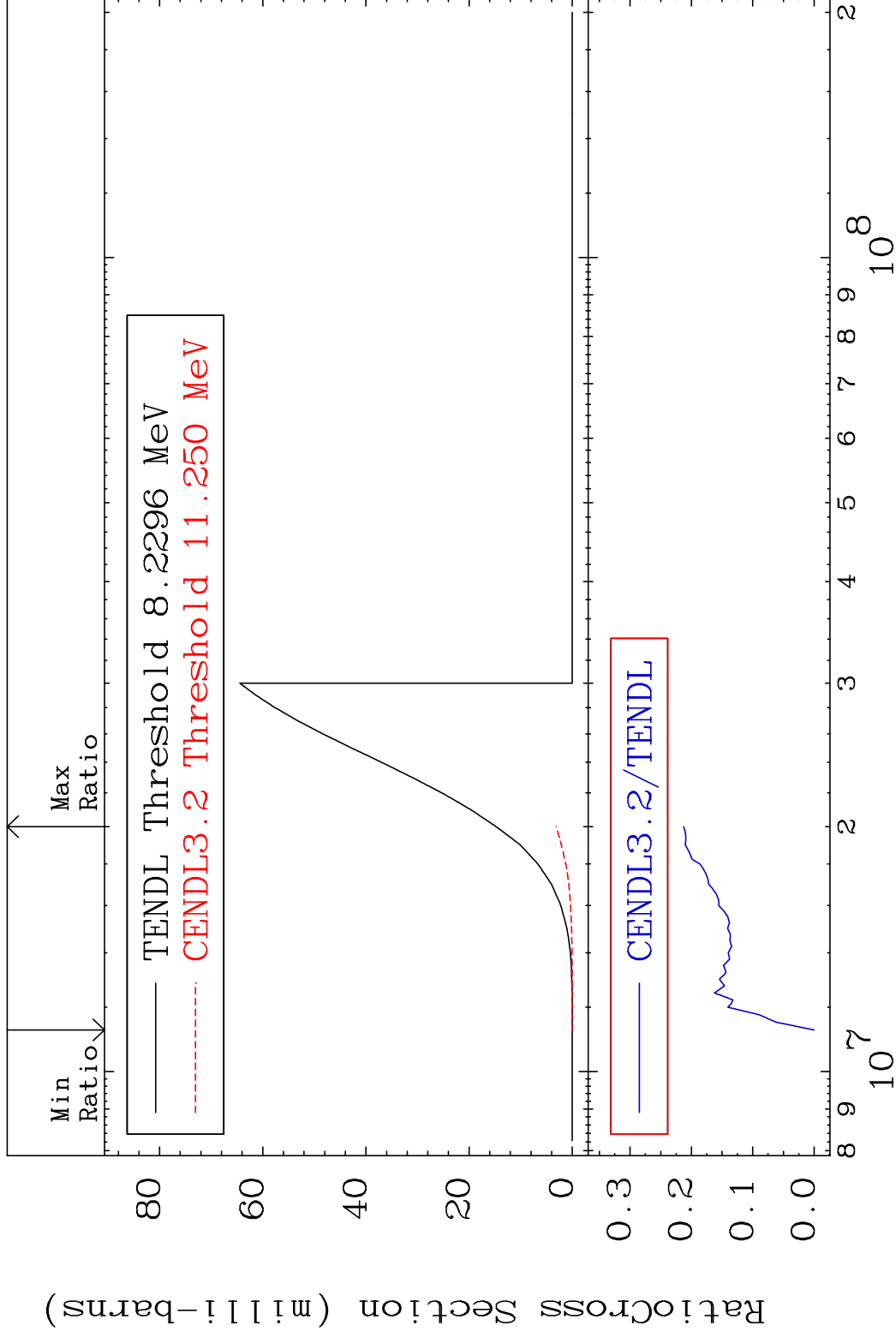
56-Ba-134

MAT 5637

(n, n') p

56-Ba-134

Cross Section -100.0 To -78.74%

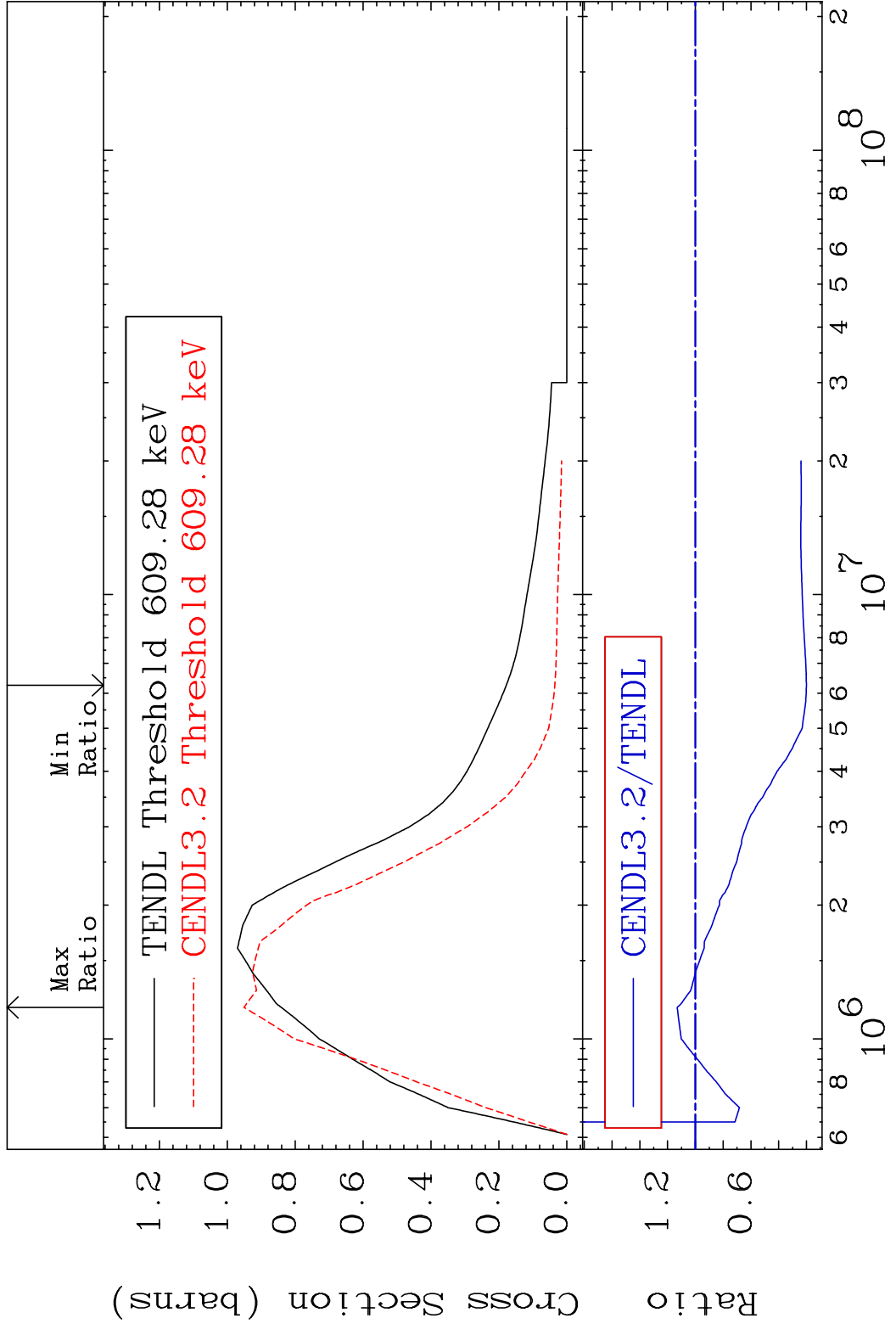


7

Incident Energy (eV)

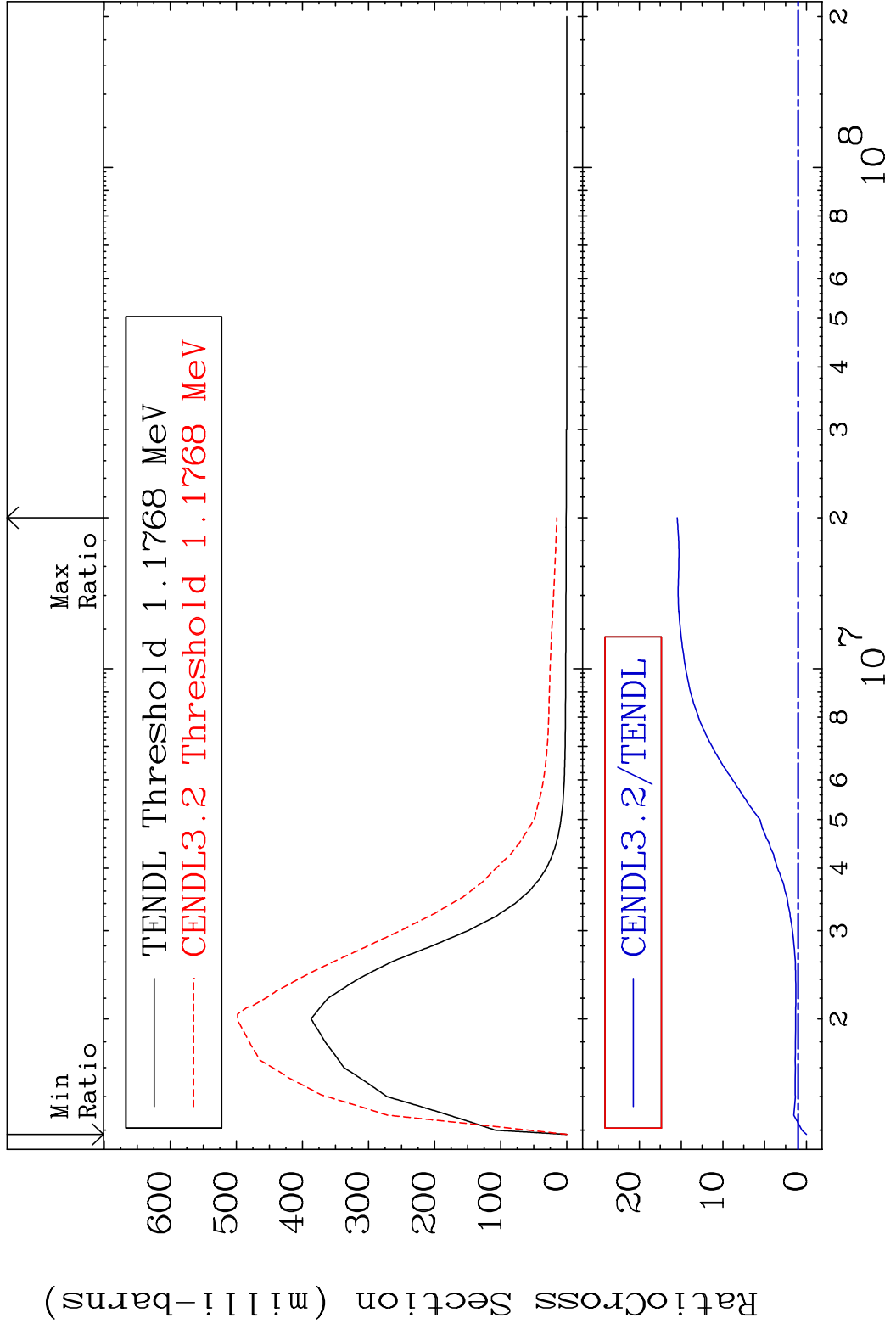
56-Ba-134

MAT 5637 MT= 51 (n, n') Level 56-Ba-134
 Cross Section -79.96 To 13.09 %

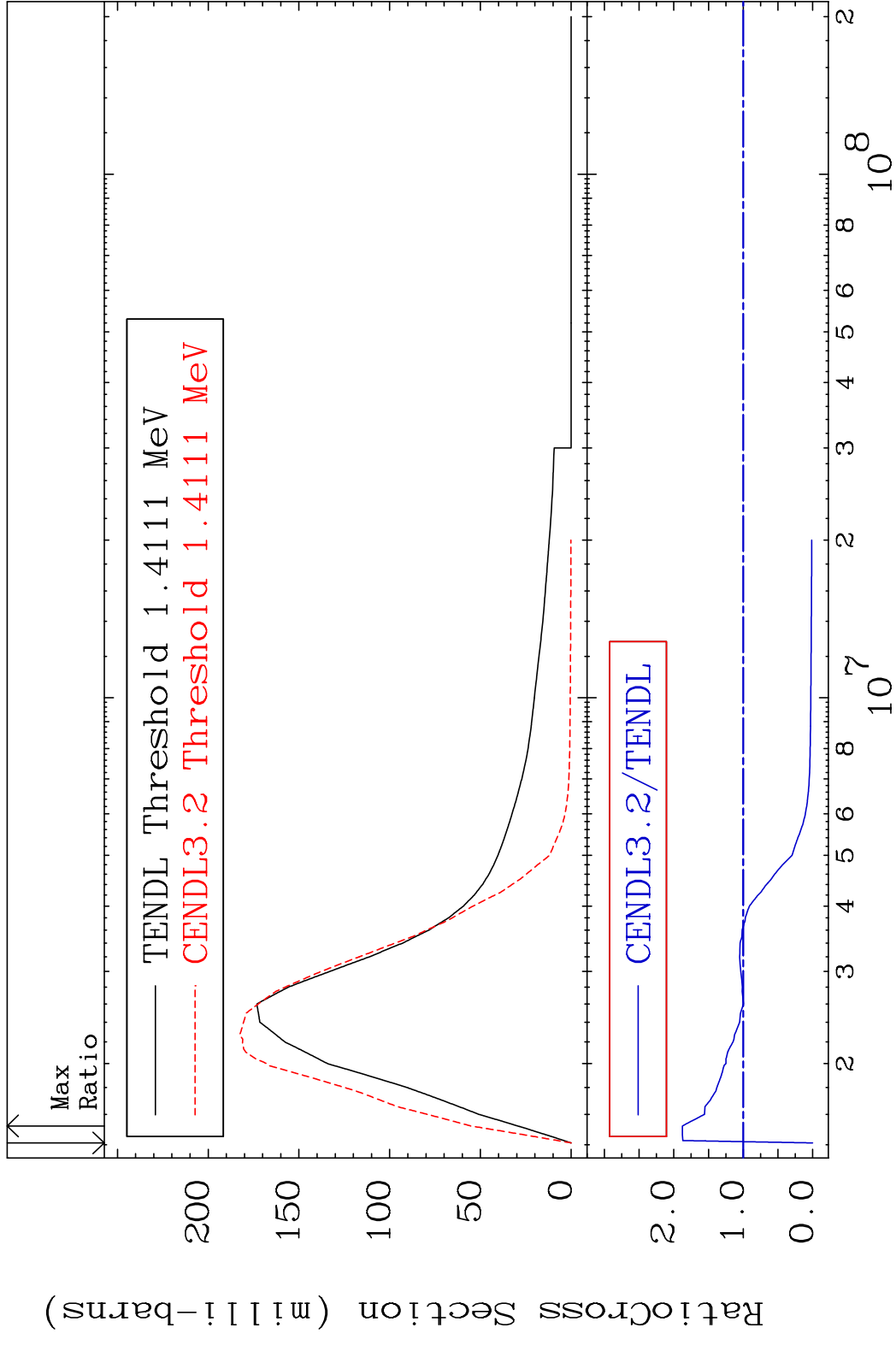


8 Incident Energy (eV) 56-Ba-134

MAT 5637 MT= 52 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 1448. %

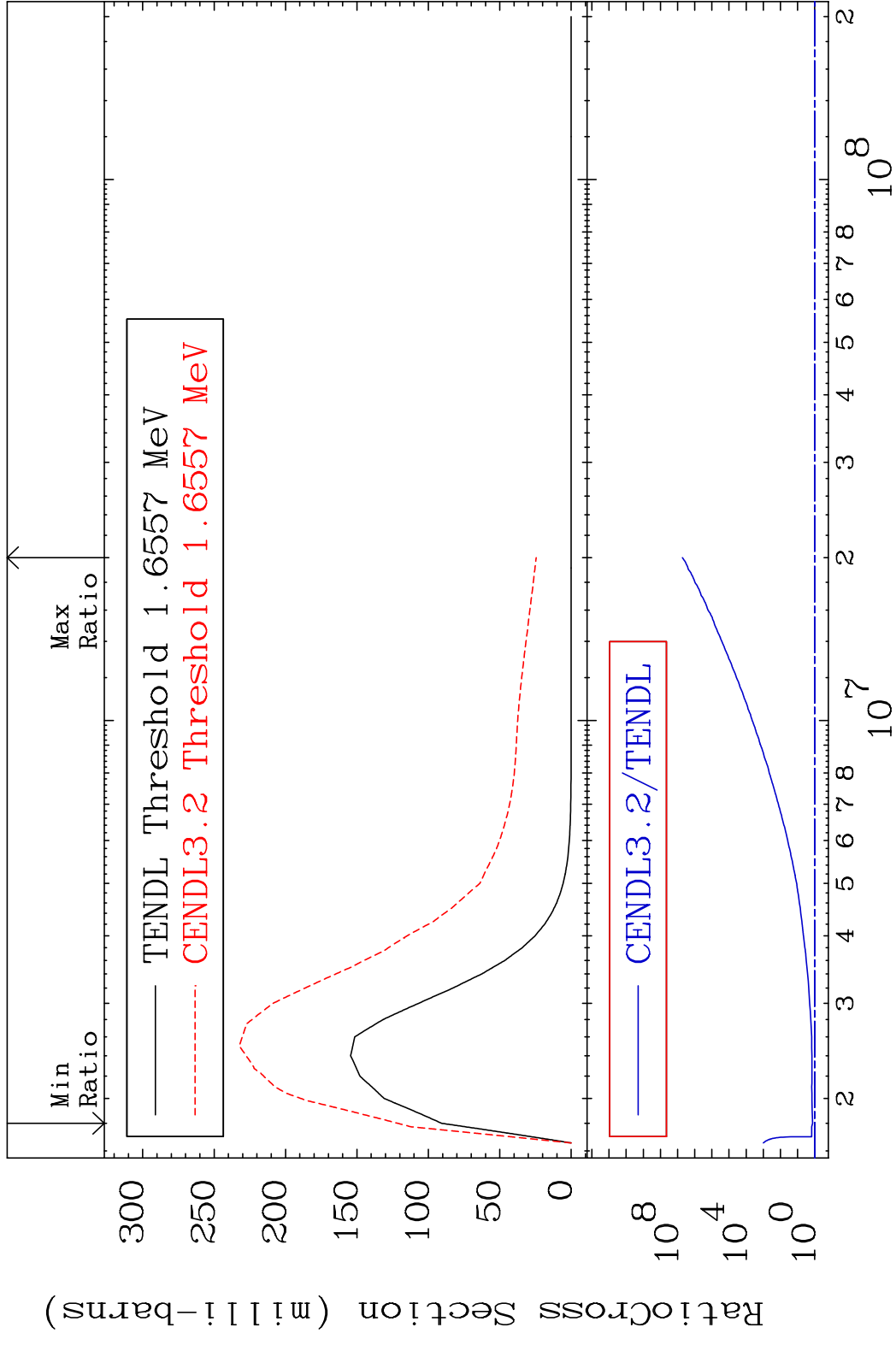


MAT 5637 MT= 53 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 87.70 %

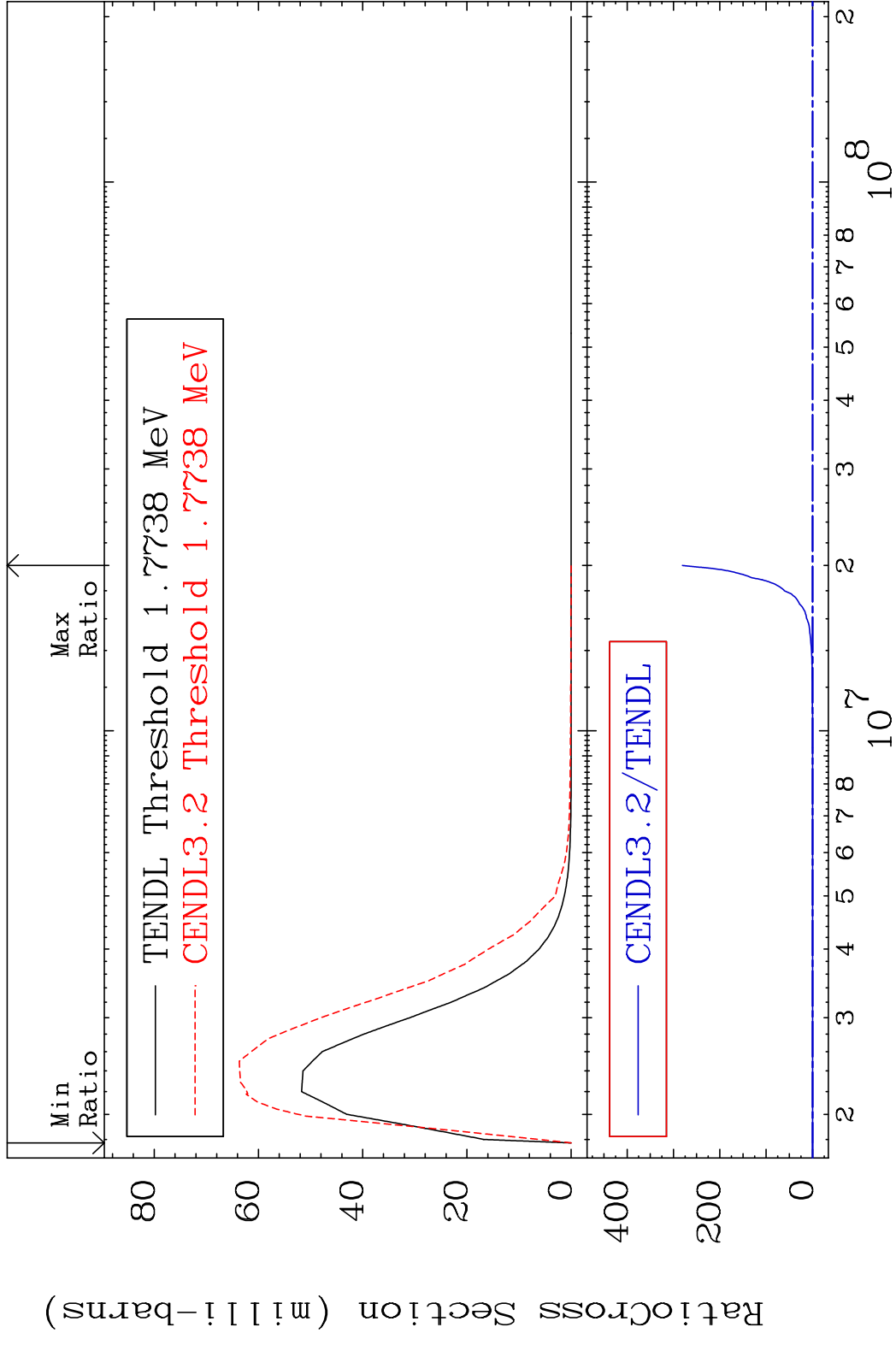


10 Incident Energy (eV) 56-Ba-134

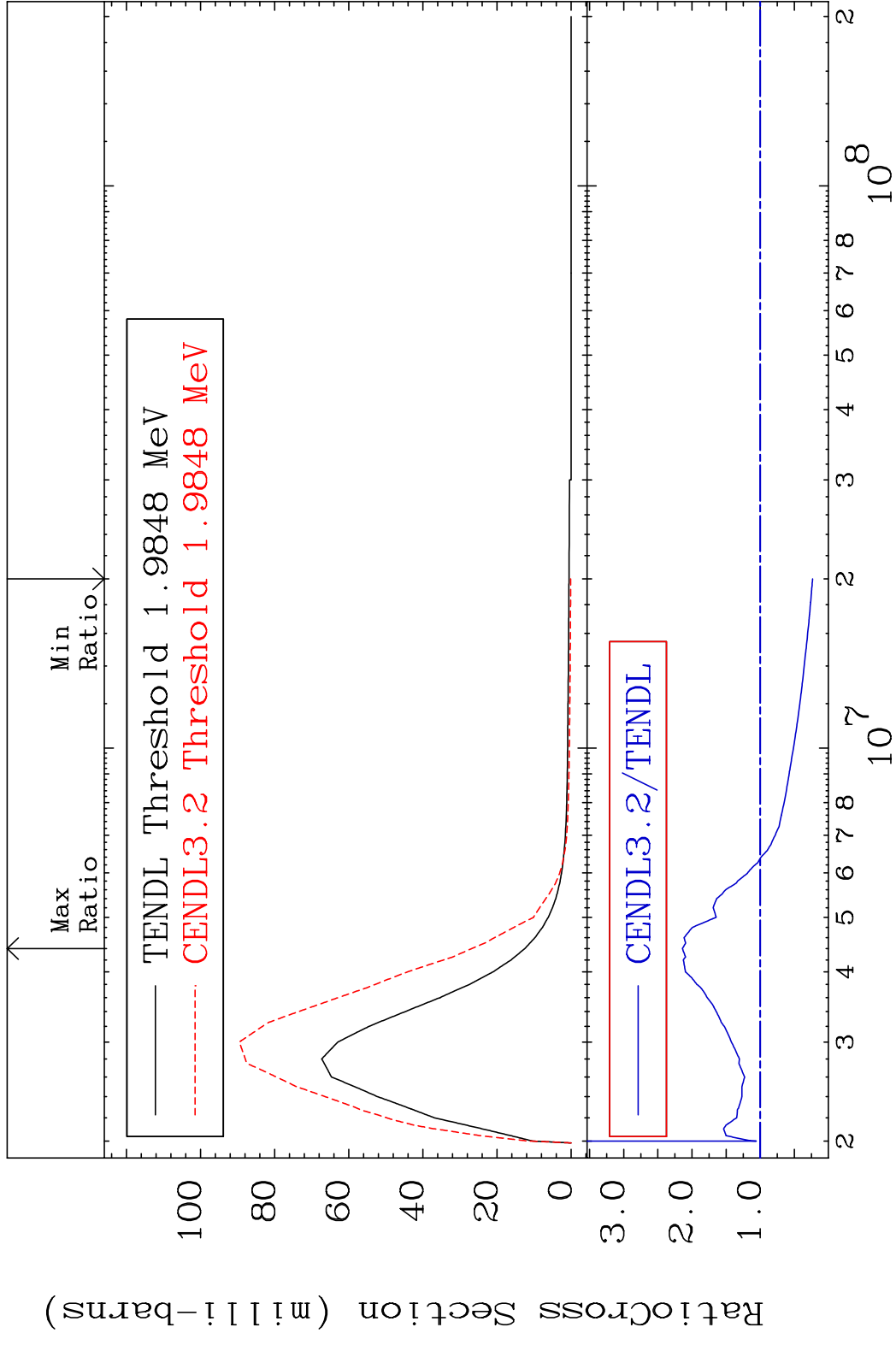
MAT 5637 MT= 54 (n, n') Level 56-Ba-134
 Cross Section 33.89 To 9999. %



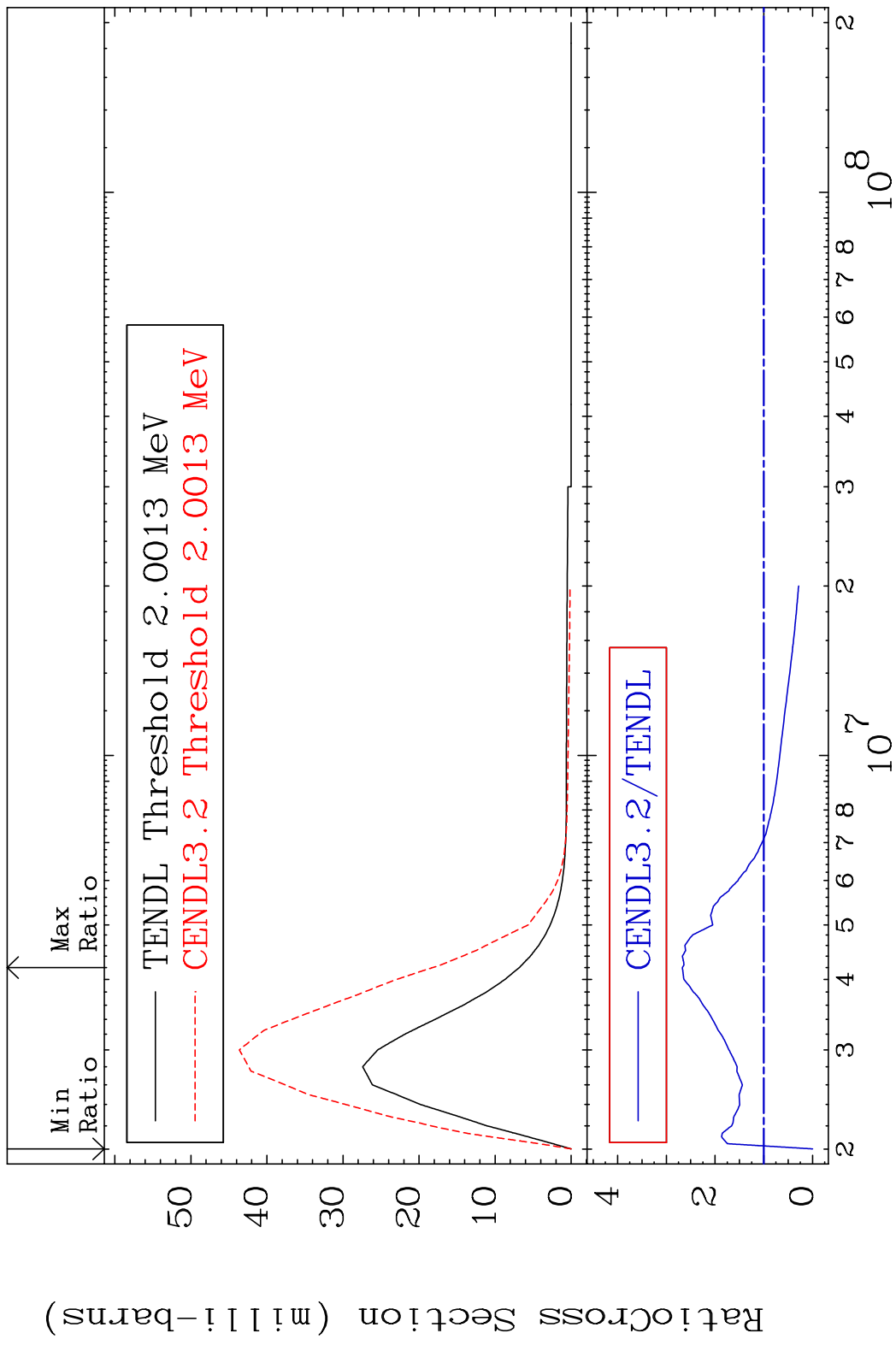
MAT 5637 MT= 55 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 9999. %



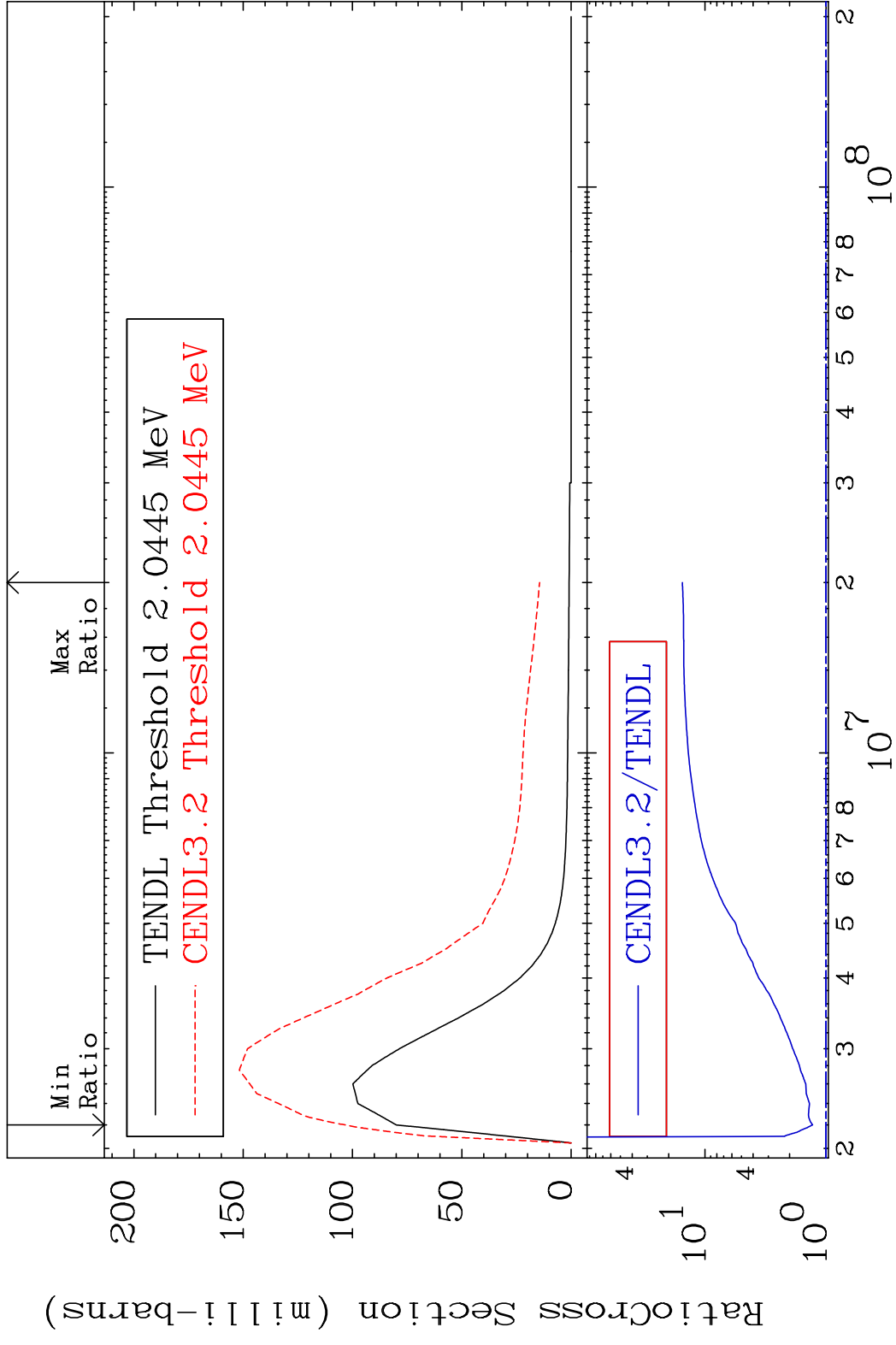
MAT 5637 MT= 56 (n, n') Level 56-Ba-134
 Cross Section -76.59 To 114.1 %



MAT 5637 MT= 57 (n,n') Level 56-Ba-134
 Cross Section -100.0 To 167.1 %

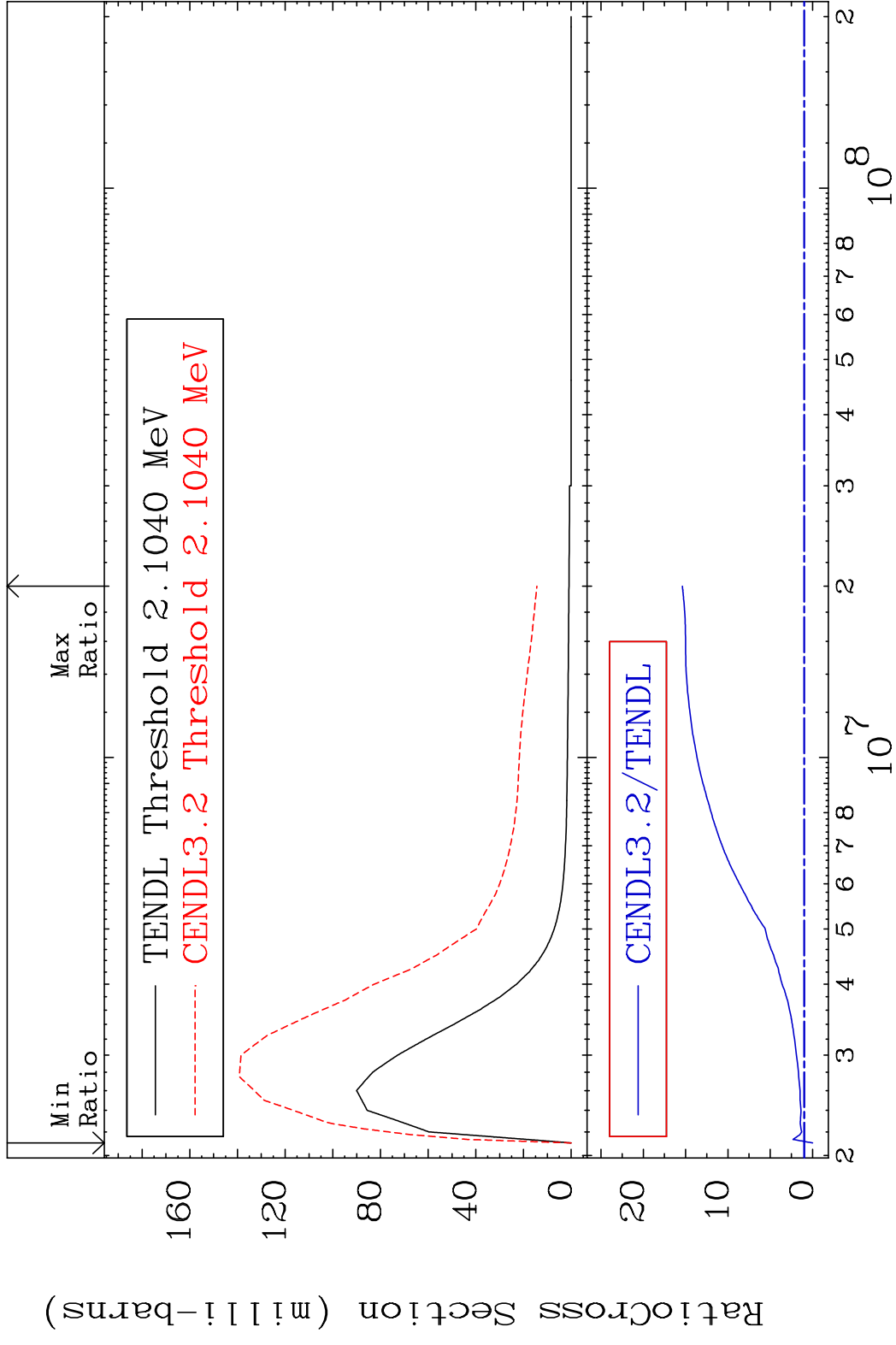


MAT 5637 MT= 58 (n, n') Level 56-Ba-134
 Cross Section 29.24 To 1439. %

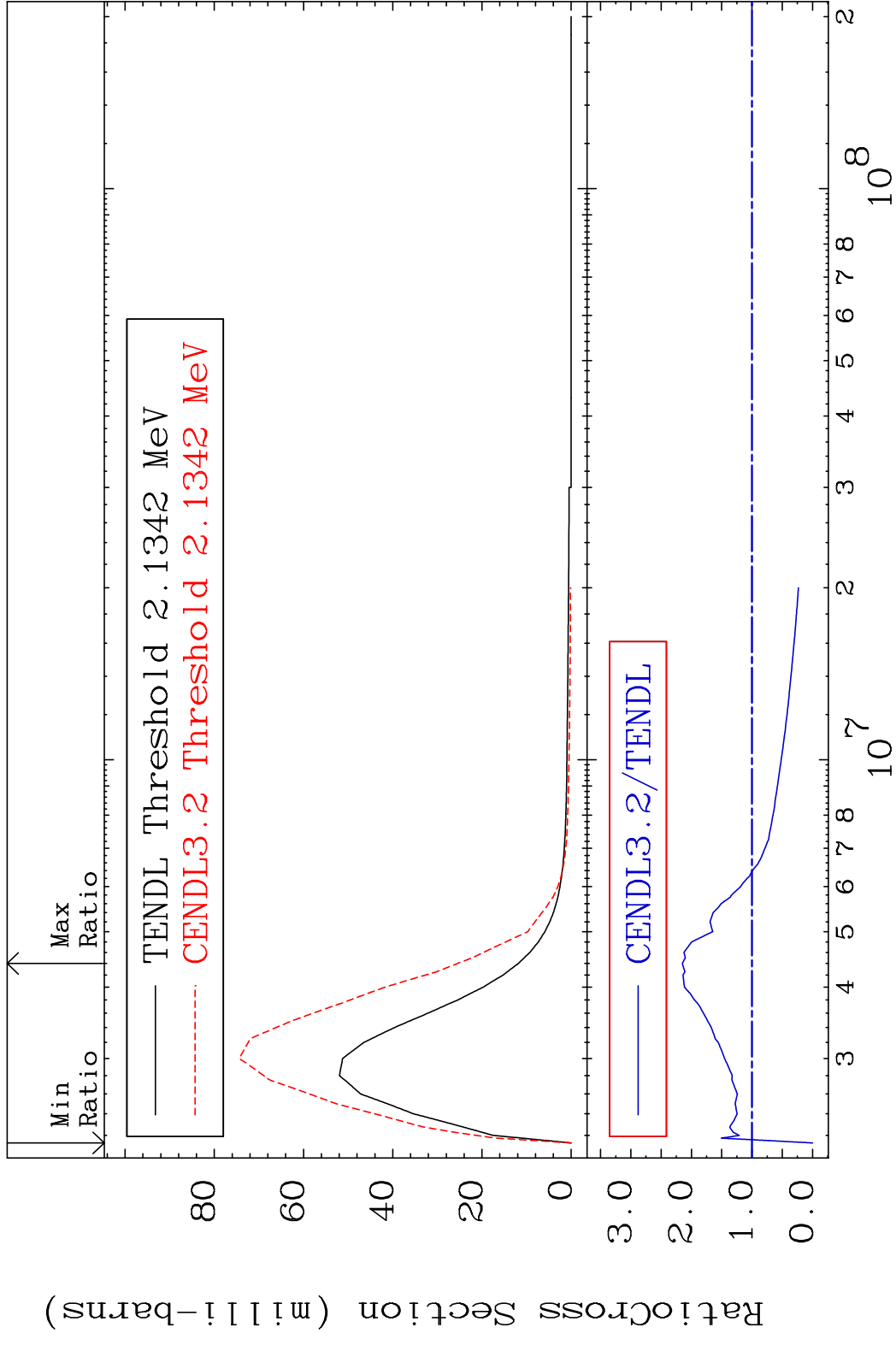


15 Incident Energy (eV) 56-Ba-134

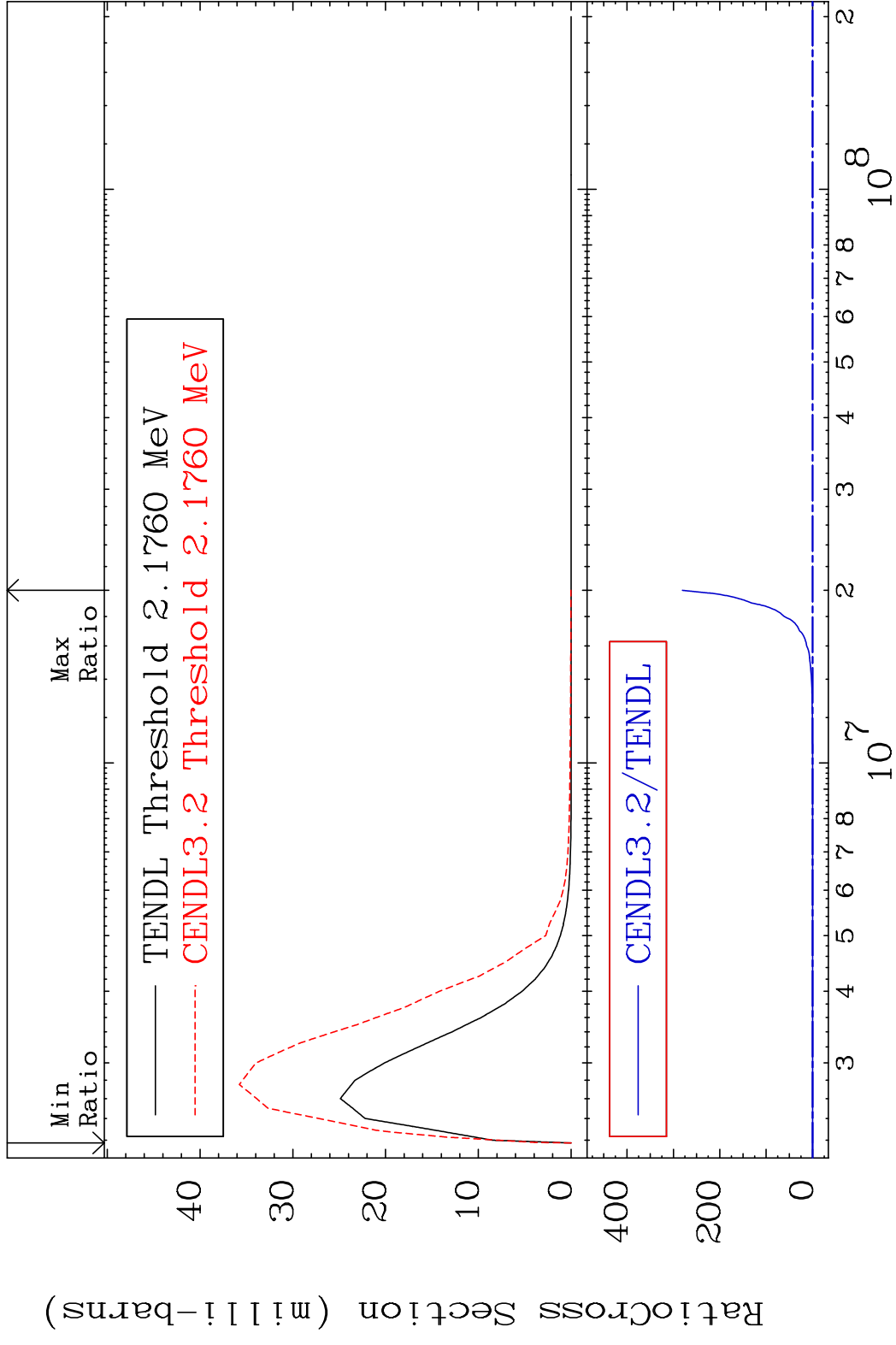
MAT 5637 MT= 59 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 1438. %



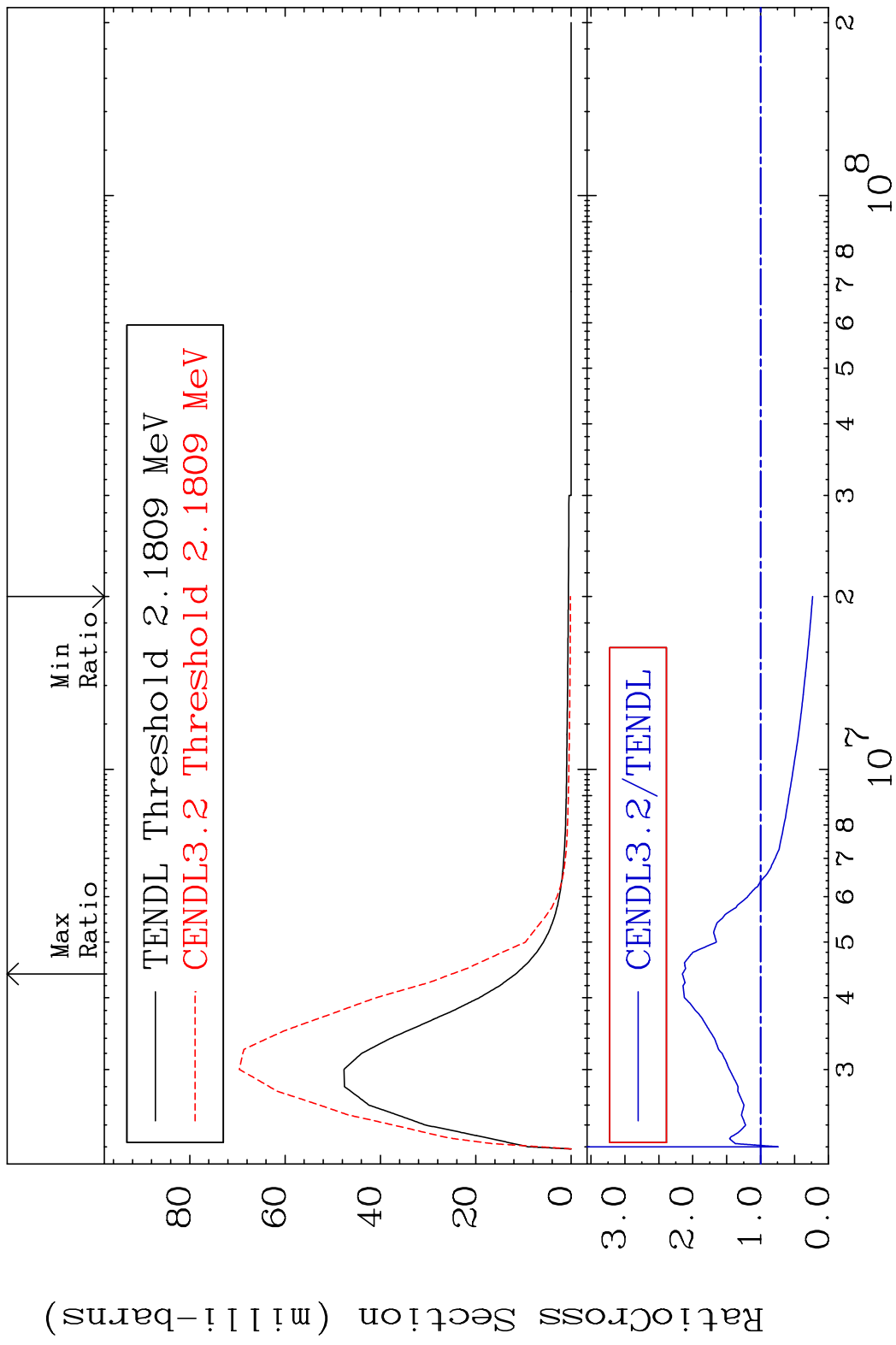
MAT 5637 MT= 60 (n,n') Level 56-Ba-134
 Cross Section -100.0 To 115.0 %



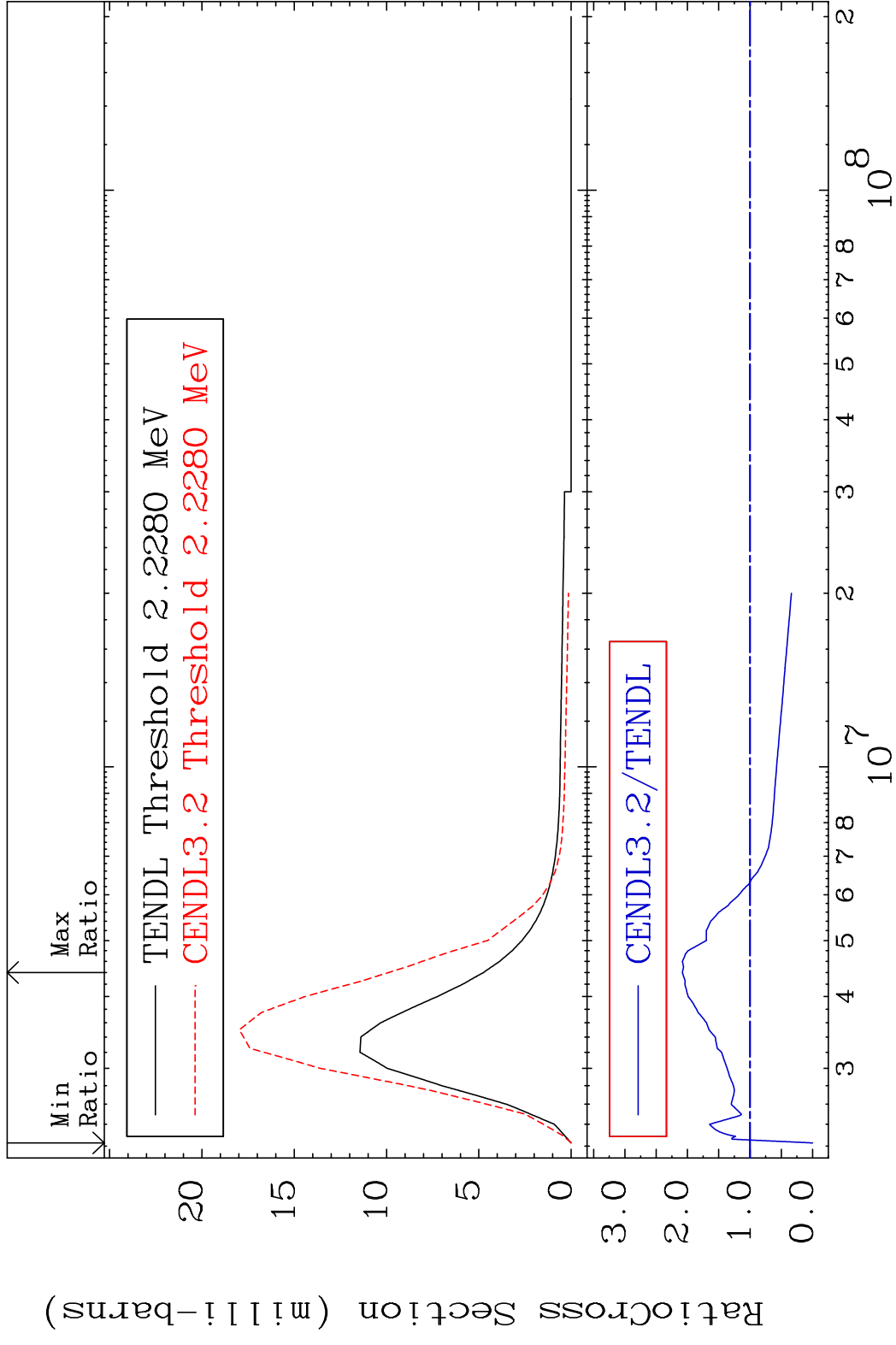
MAT 5637 MT= 61 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 9999. %



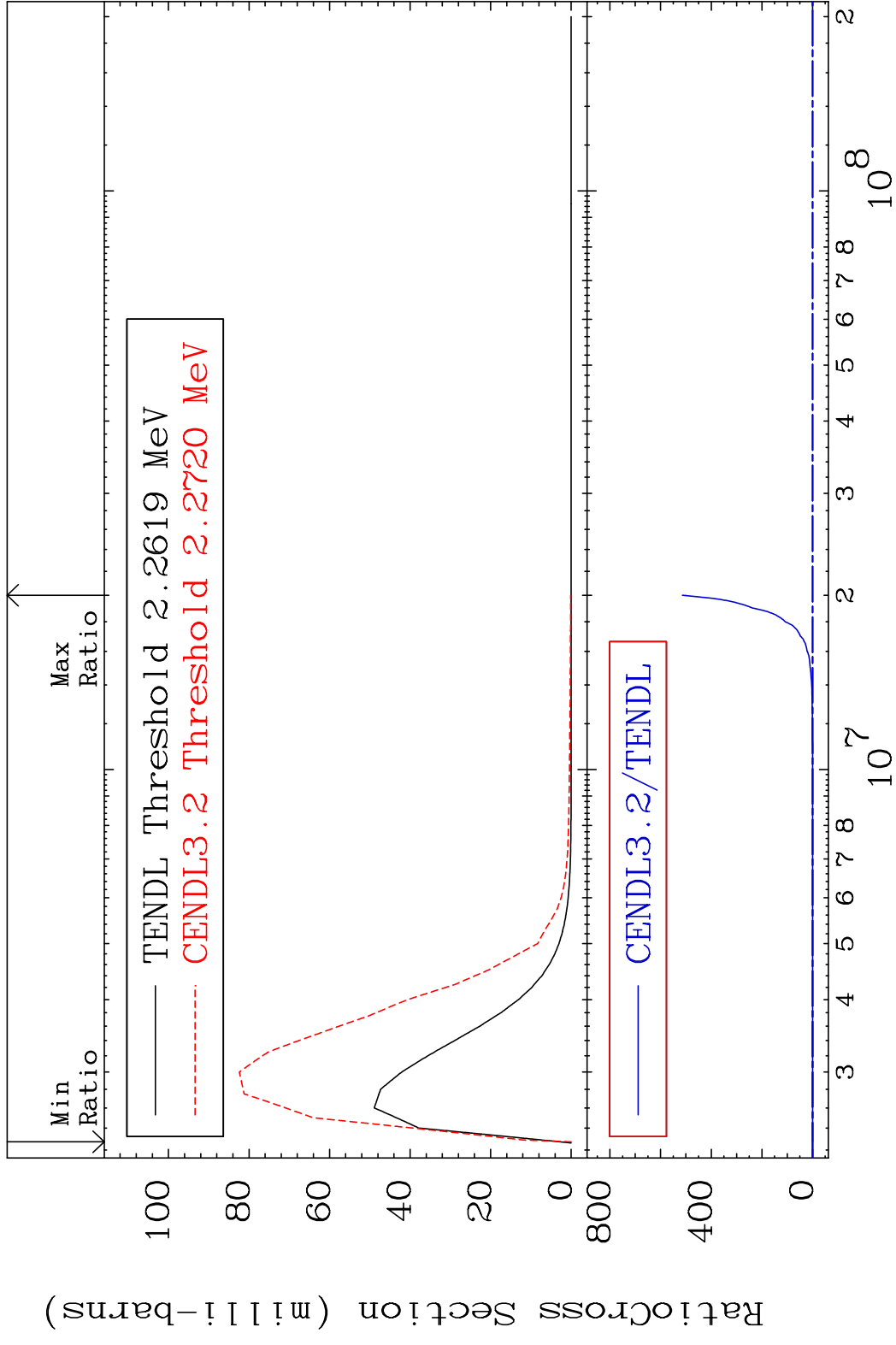
MAT 5637 MT= 62 (n, n') Level 56-Ba-134
 Cross Section -76.59 To 115.3 %



MAT 5637 MT= 63 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 108.2 %



MAT 5637 MT= 64 (n, n') Level 56-Ba-134
 Cross Section -100.0 To 9999. %

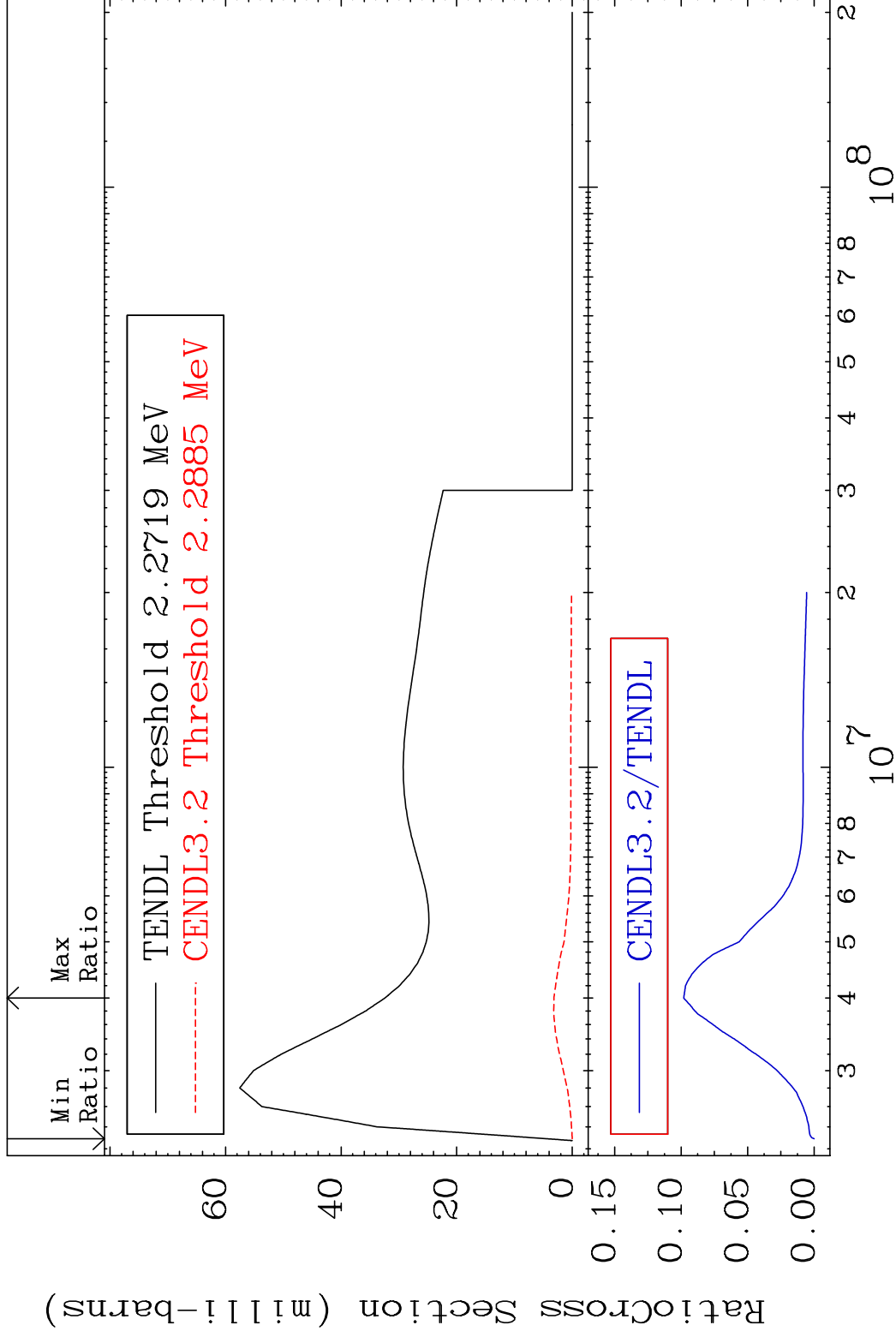


MAT 5637

MT= 65 (n, n') Level

56-Ba-134

Cross Section -100.0 To -90.19%

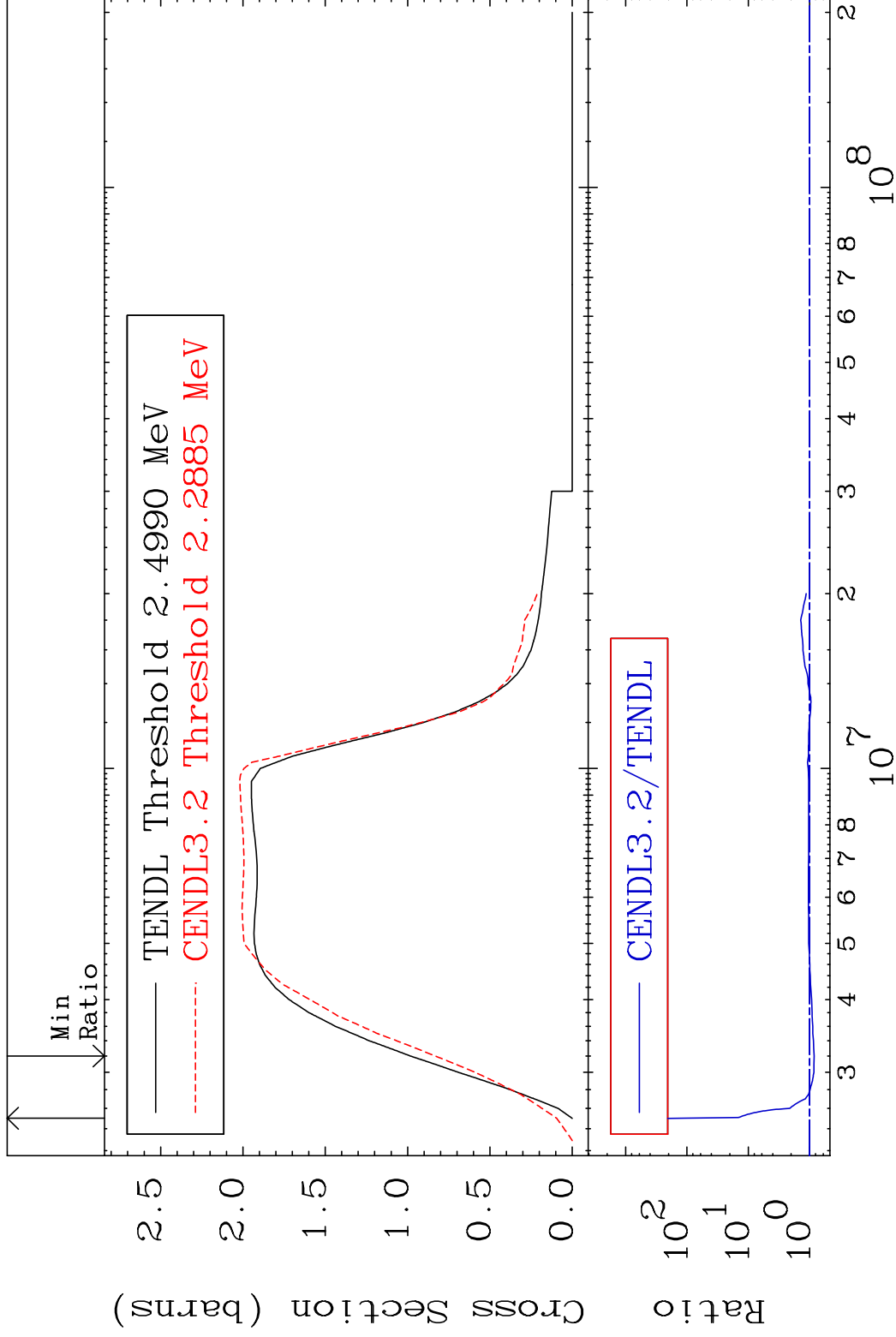


MAT 5637

(n, n') Continuum

56-Ba-134

Cross Section -15.47 To 9999. %



23

Incident Energy (eV)

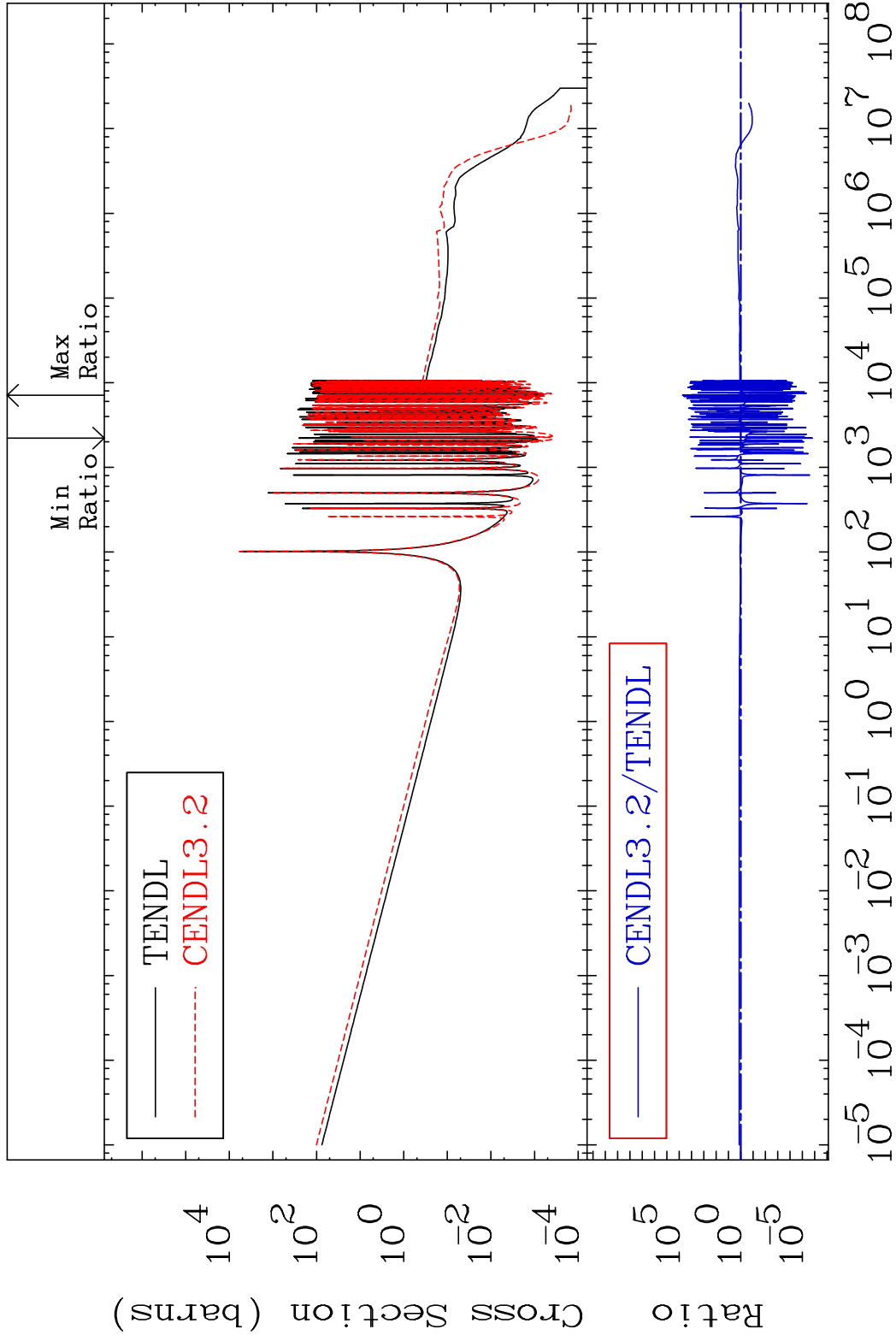
56-Ba-134

MAT 5637

(n, γ)

56-Ba-134

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

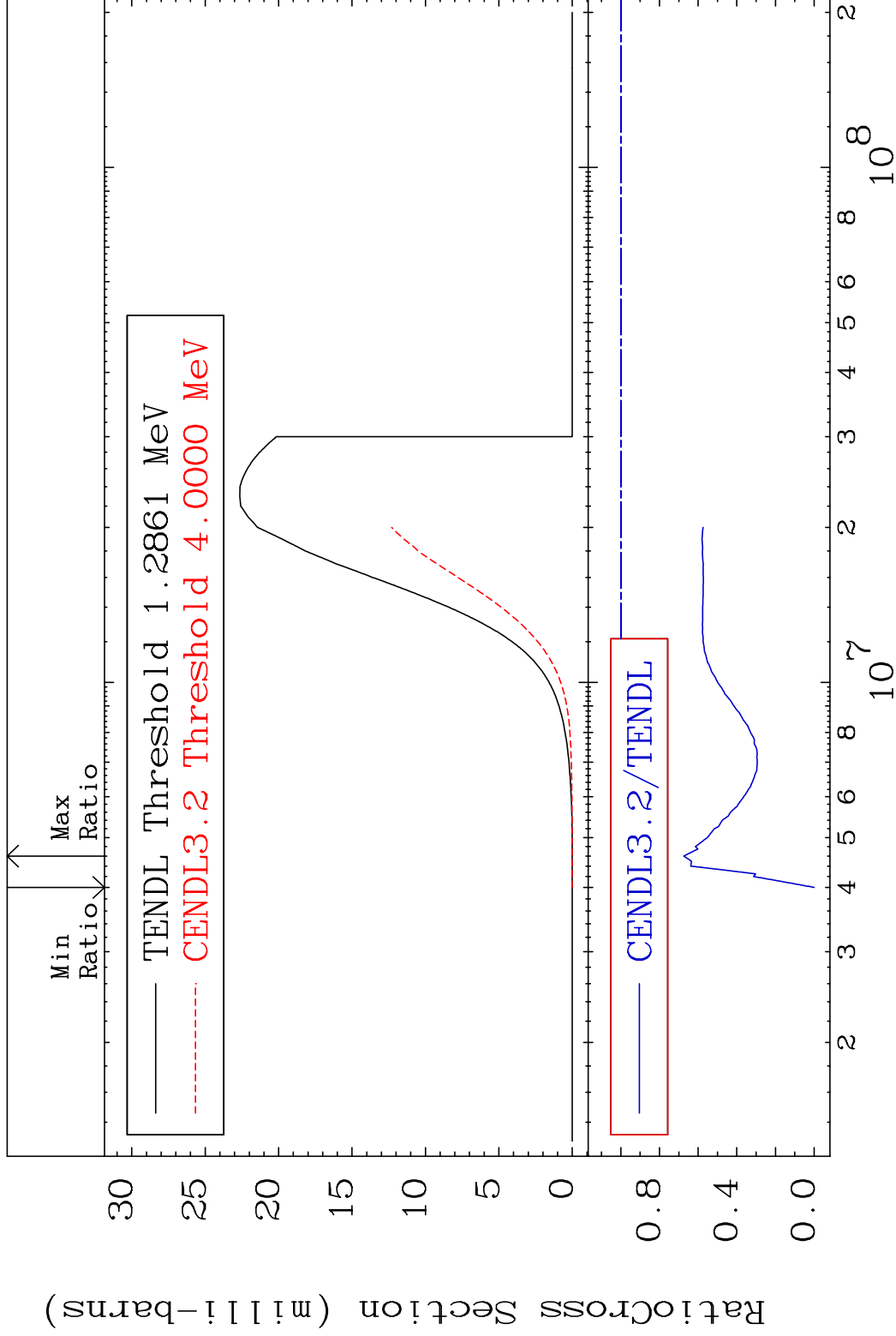
56-Ba-134

MAT 5637

(n, p)

56-Ba-134

Cross Section -100.0 To -32.51%



25

Incident Energy (eV)

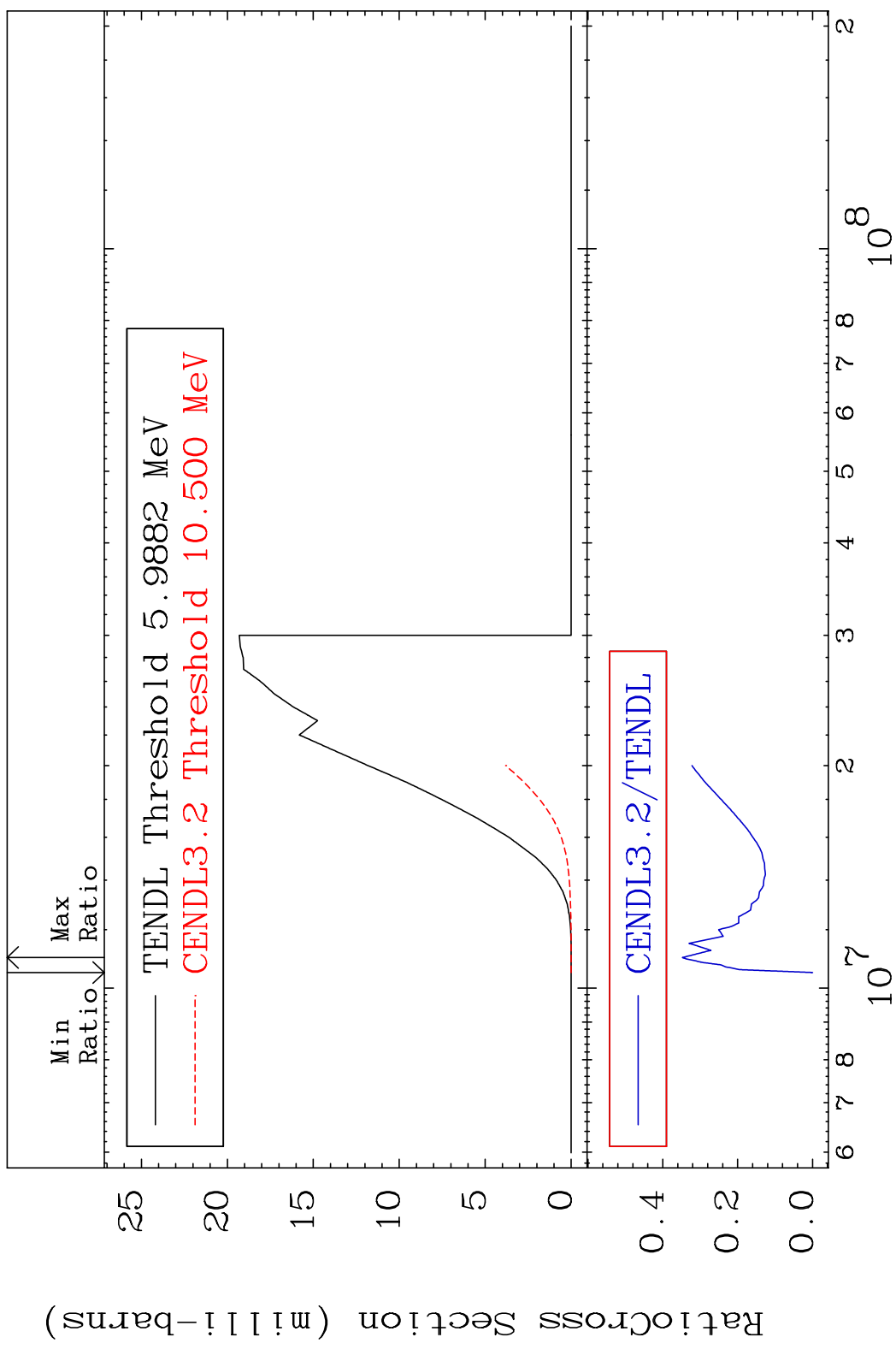
56-Ba-134

MAT 5637

(n, d)

56-Ba-134

Cross Section -100.0 To -65.22%



26

Incident Energy (eV)

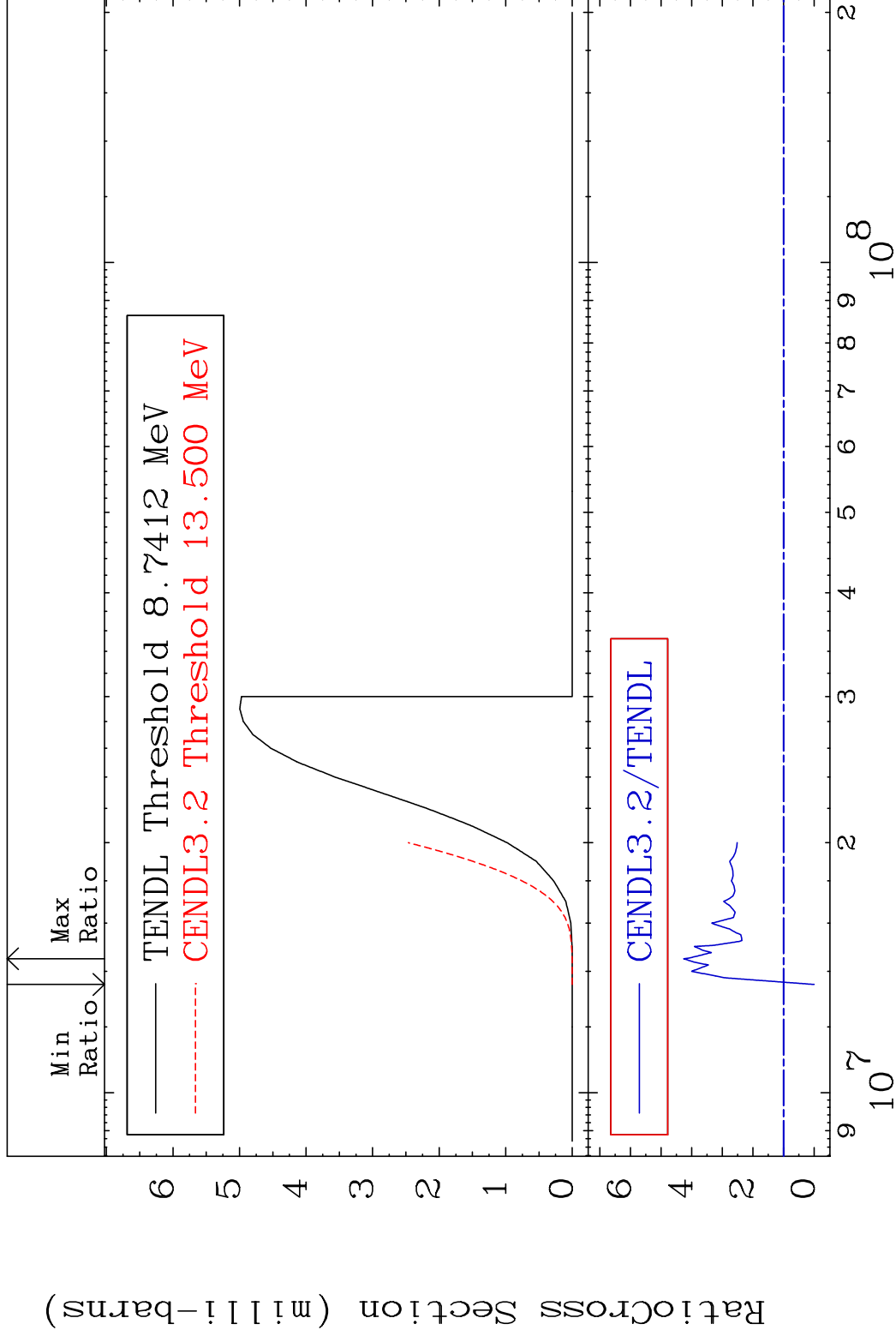
56-Ba-134

MAT 5637

(n, t)

56-Ba-134

Cross Section -100.0 To 326.2 %



27

Incident Energy (eV)

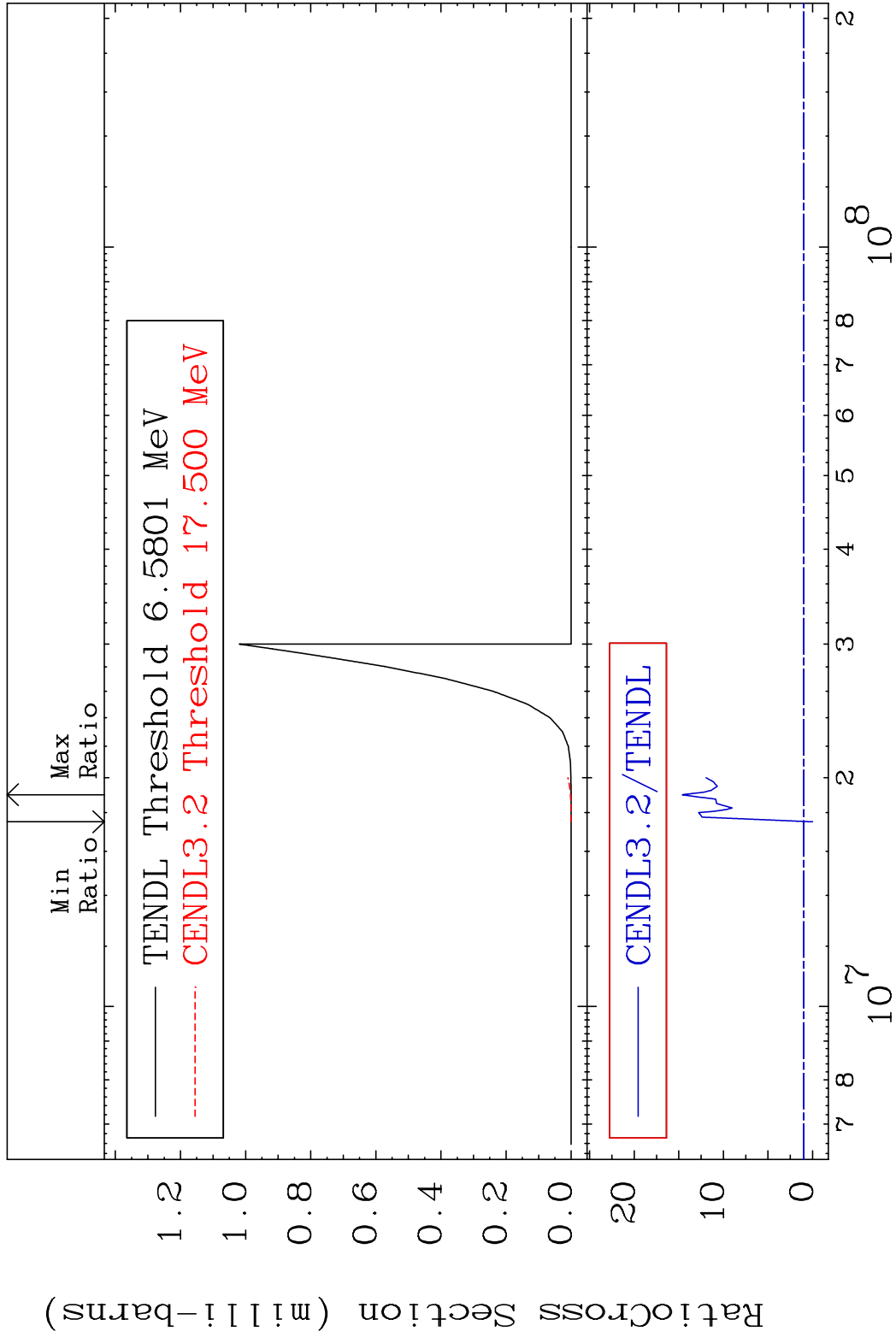
56-Ba-134

MAT 5637

(n, He-3)

56-Ba-134

Cross Section -100.0 To 1360. %

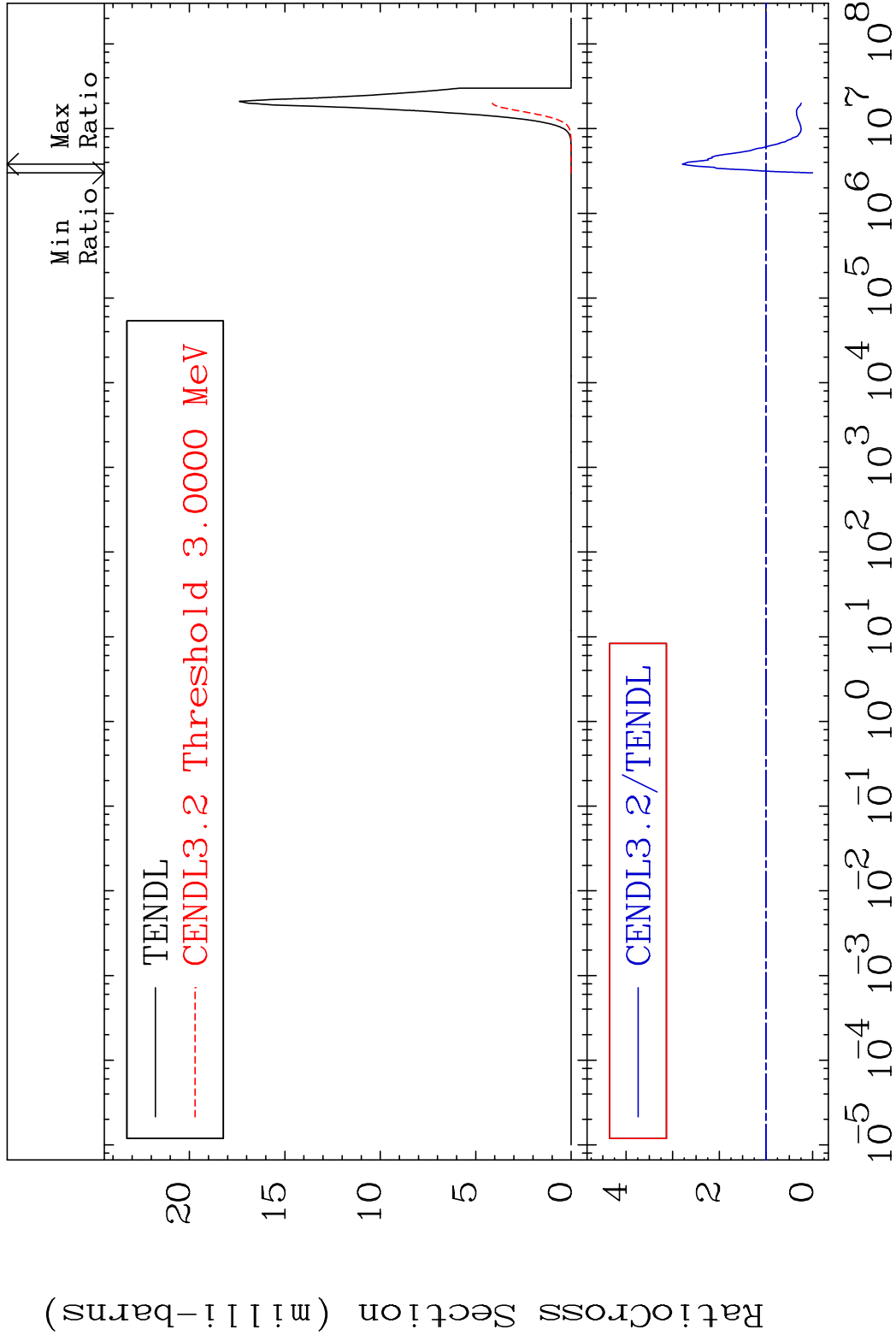


MAT 5637

(n, α)

56-Ba-134

Cross Section -100.0 To 179.2 %



29

Incident Energy (eV)

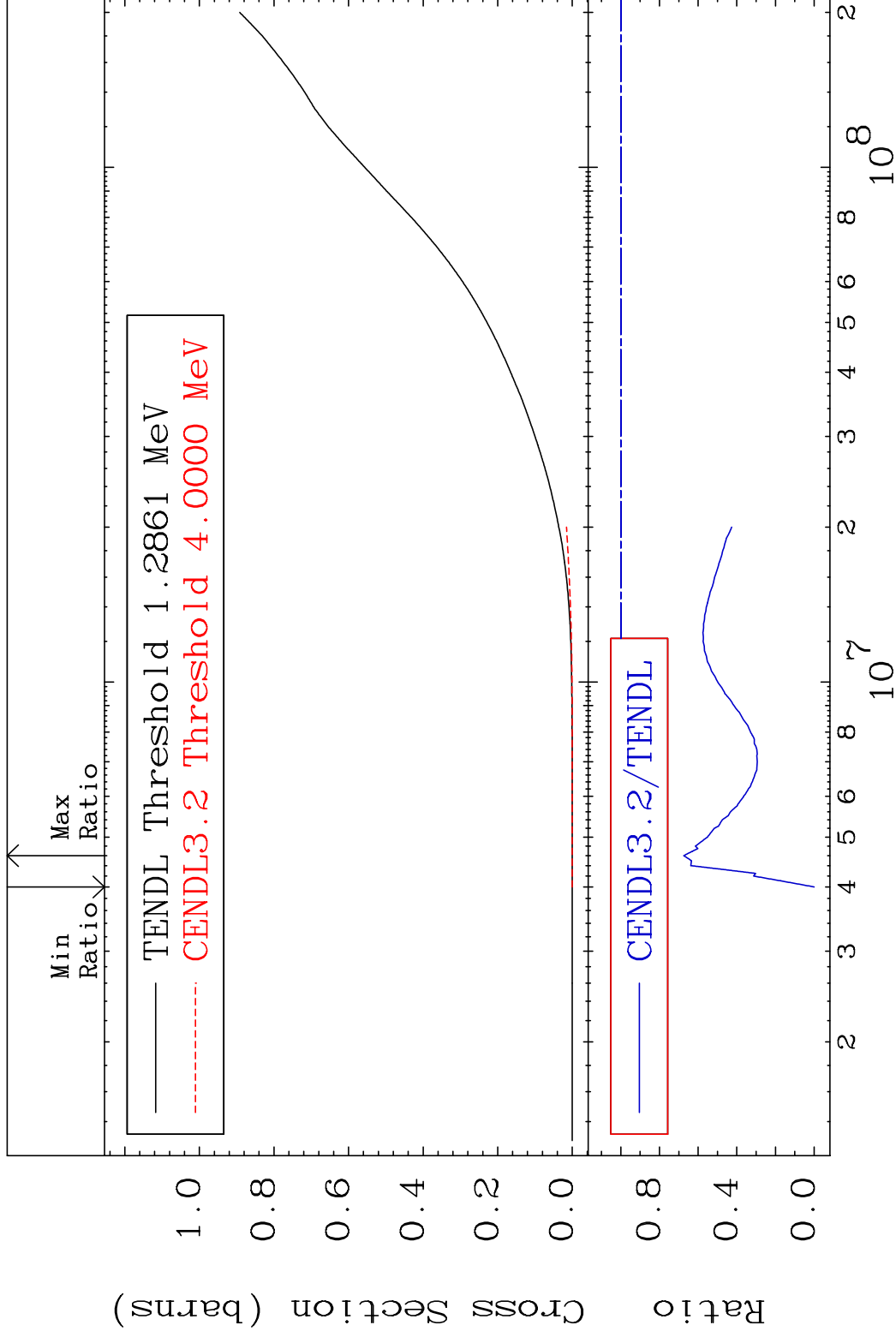
56-Ba-134

MAT 5637

Hydrogen Production

56-Ba-134

Cross Section -100.0 To -32.51%



30

Incident Energy (eV)

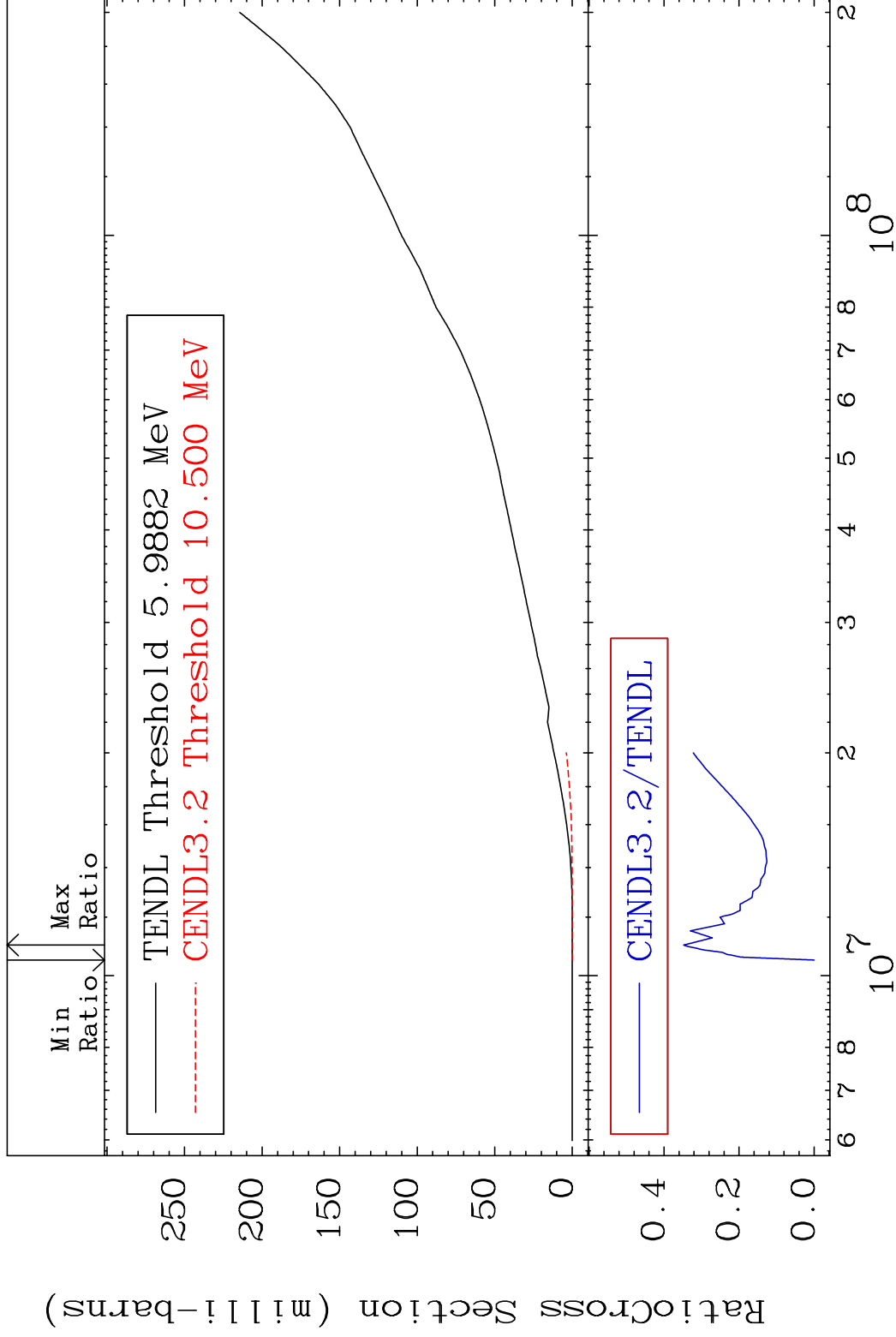
56-Ba-134

MAT 5637

Deuterium Production

56-Ba-134

Cross Section -100.0 To -65.22%



31

Incident Energy (eV)

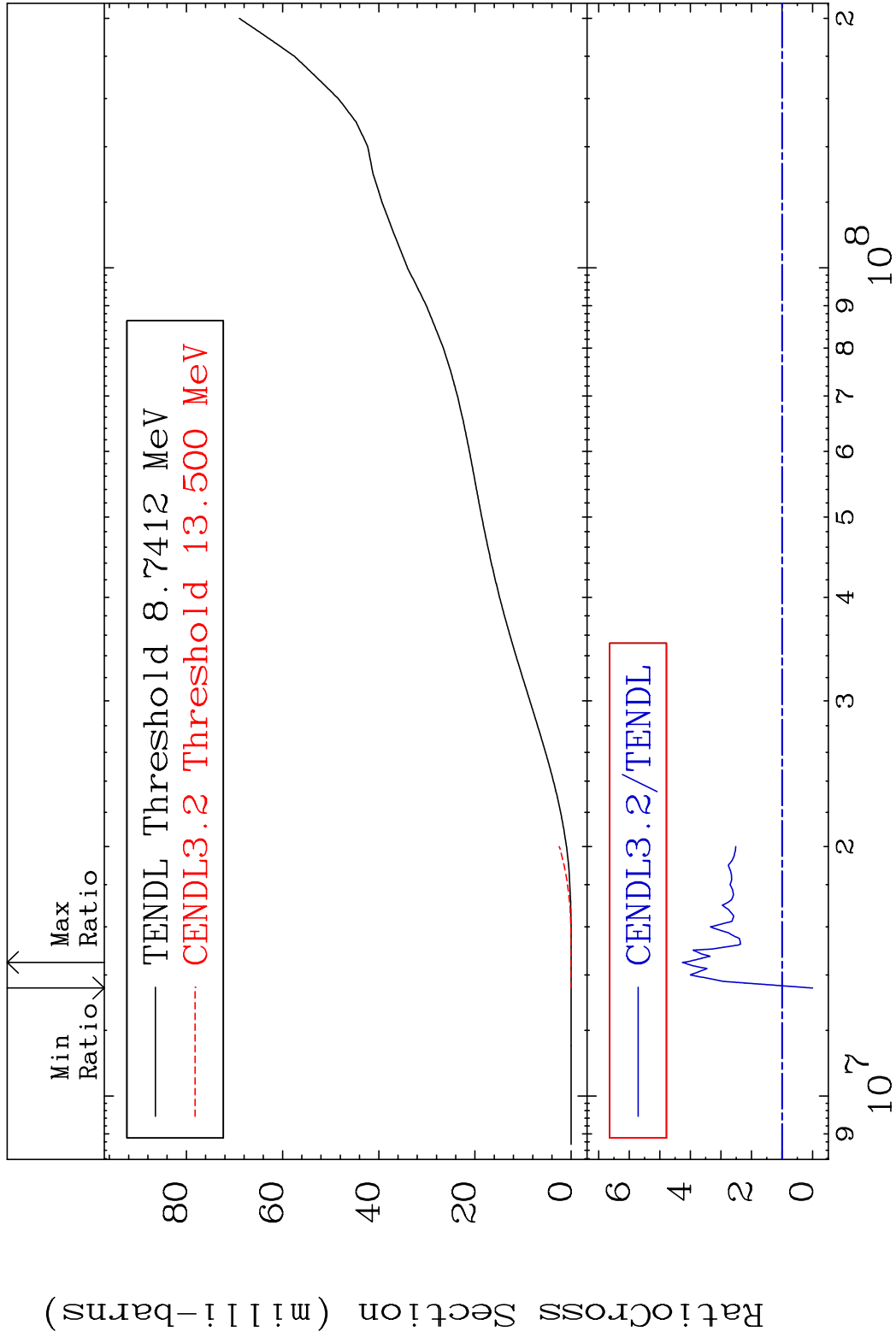
56-Ba-134

MAT 5637

Tritium Production

56-Ba-134

Cross Section -100.0 To 326.2 %



32

Incident Energy (eV)

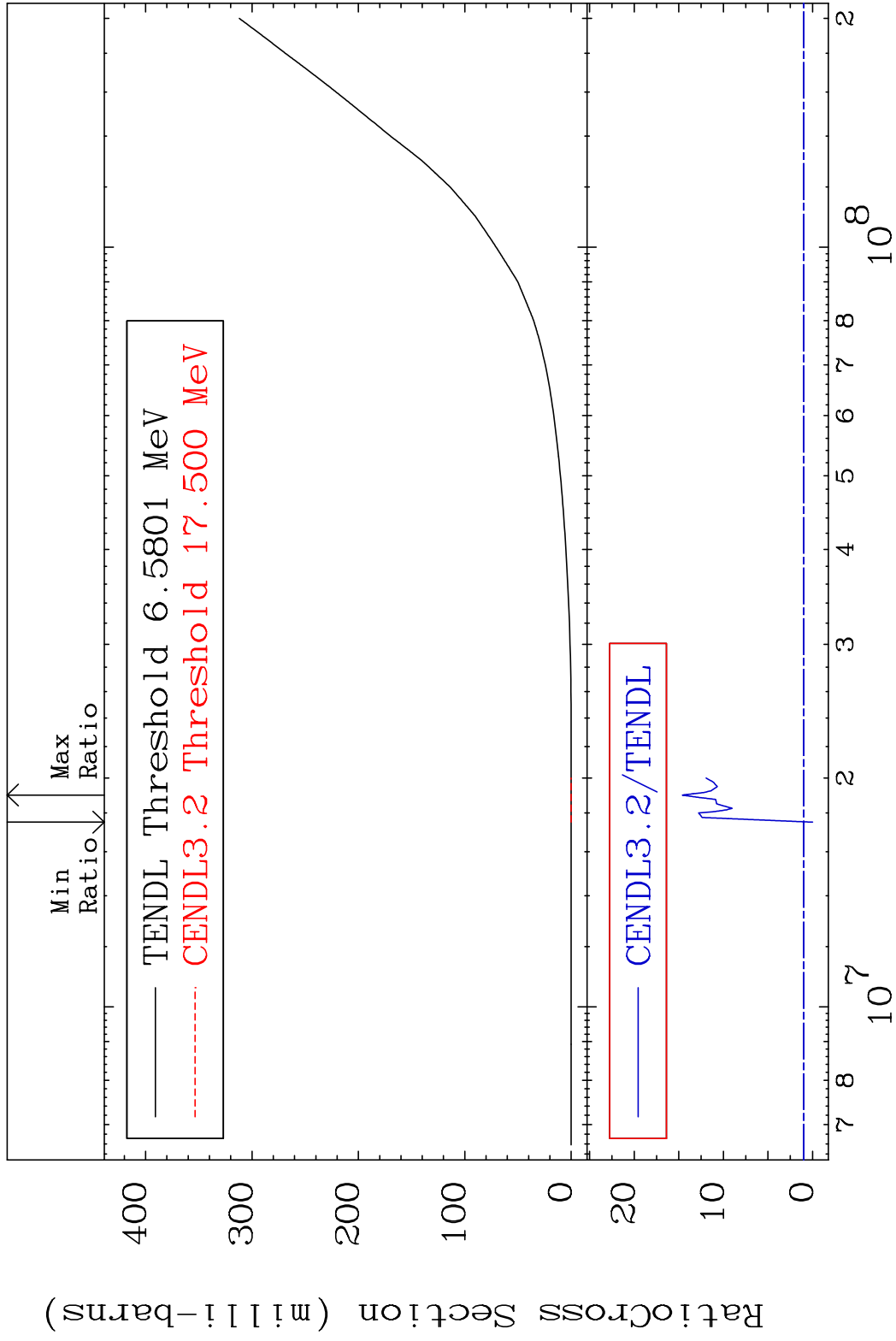
56-Ba-134

MAT 5637

He-3 Production

56-Ba-134

Cross Section -100.0 To 1360. %



33

Incident Energy (eV)

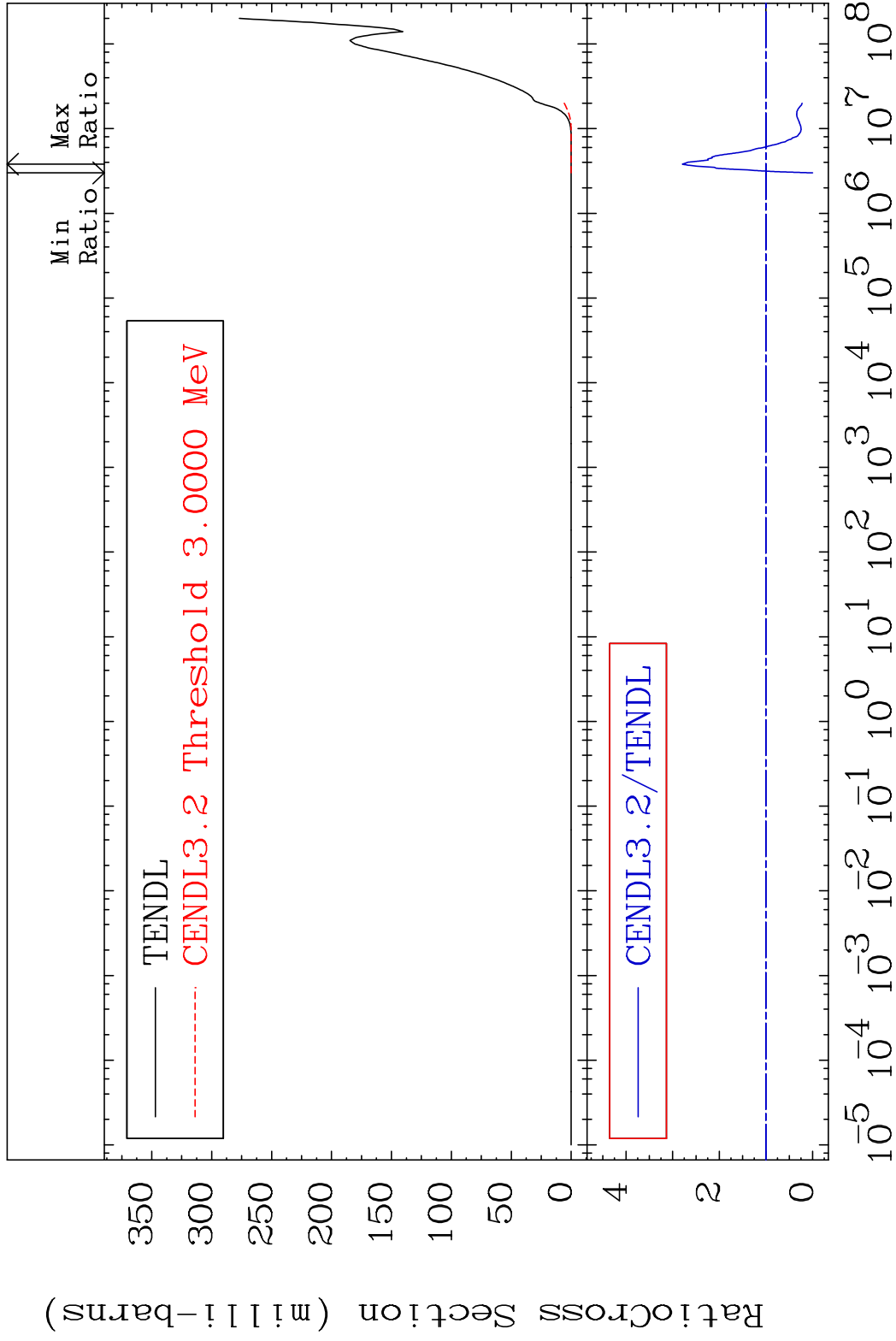
56-Ba-134

MAT 5637

He-4 Production

56-Ba-134

Cross Section -100.0 To 179.2 %

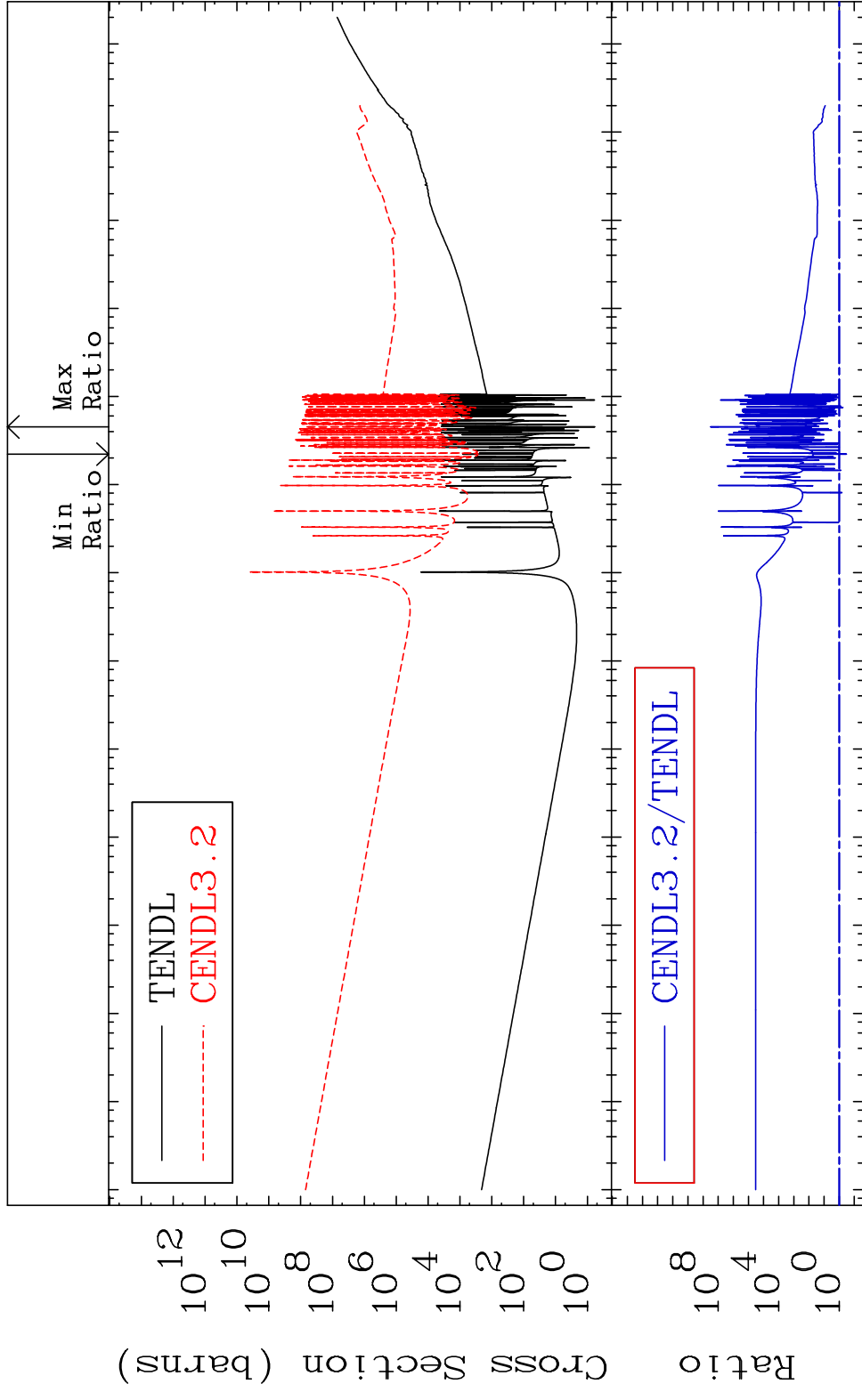


34

Incident Energy (eV)

56-Ba-134

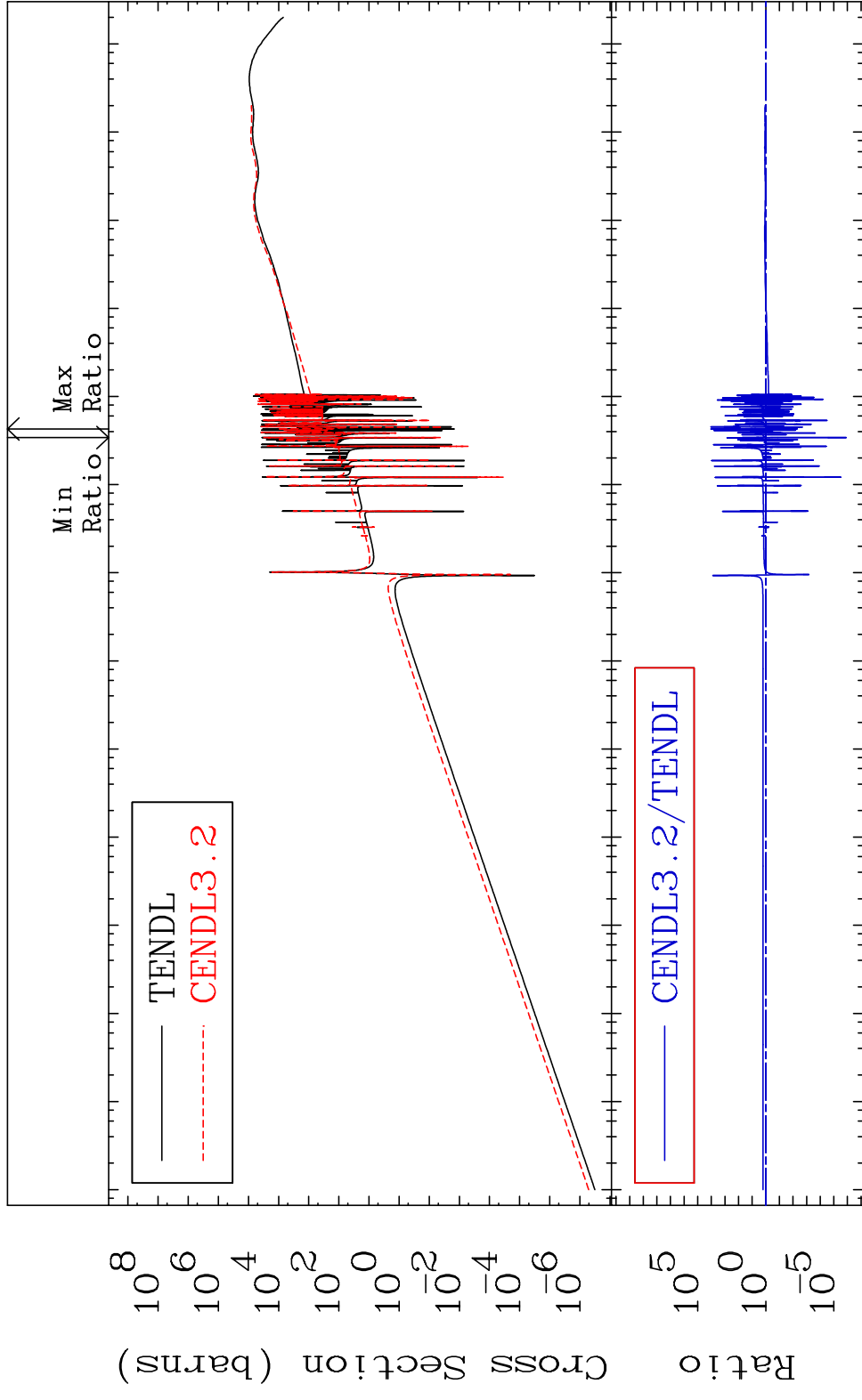
MAT 5637 Kerma total (eV-barns) 56-Ba-134
 Cross Section -66.39 To 9999. %



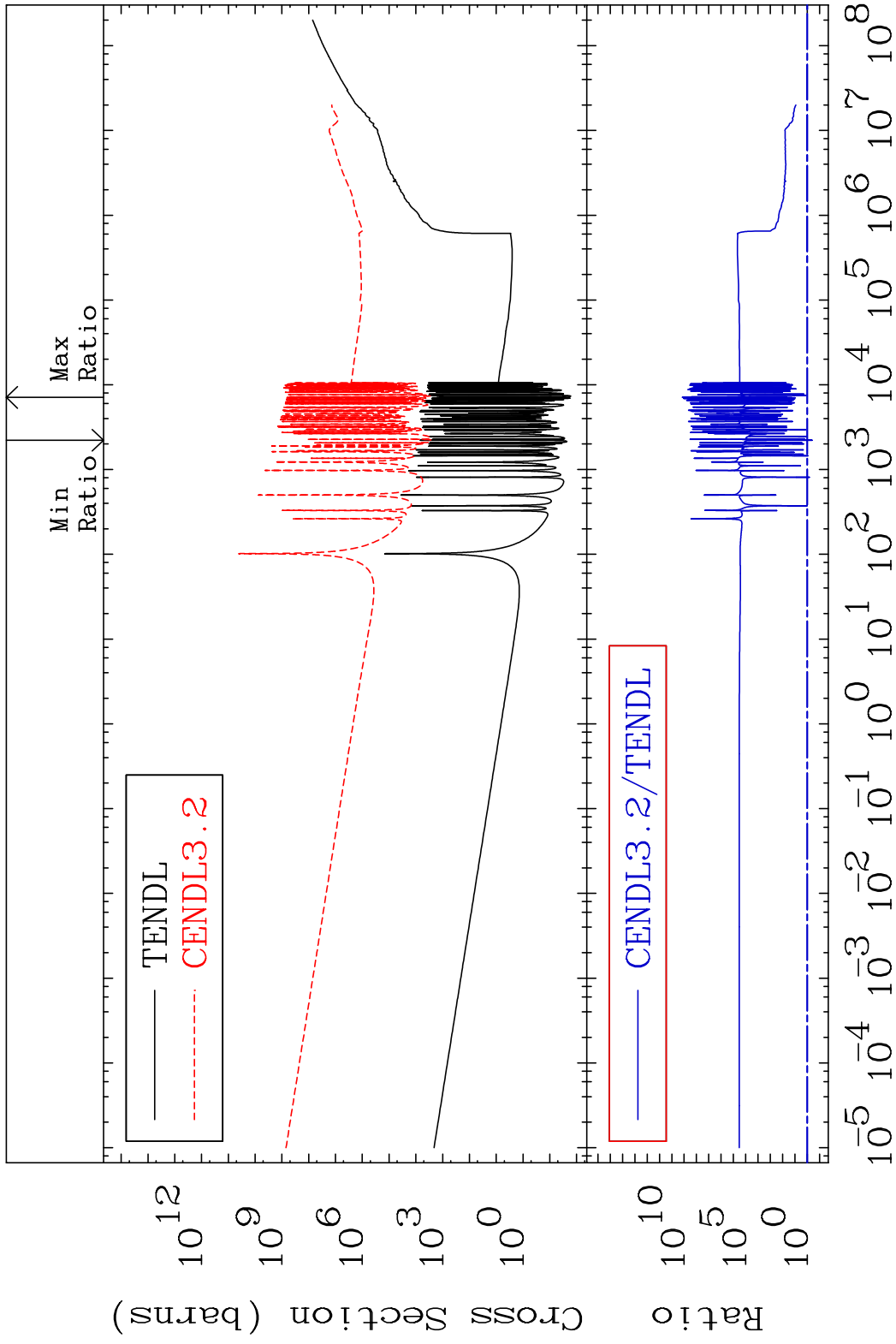
MAT 5637

Kerma elastic
Cross Section -100.0 To 9999. %

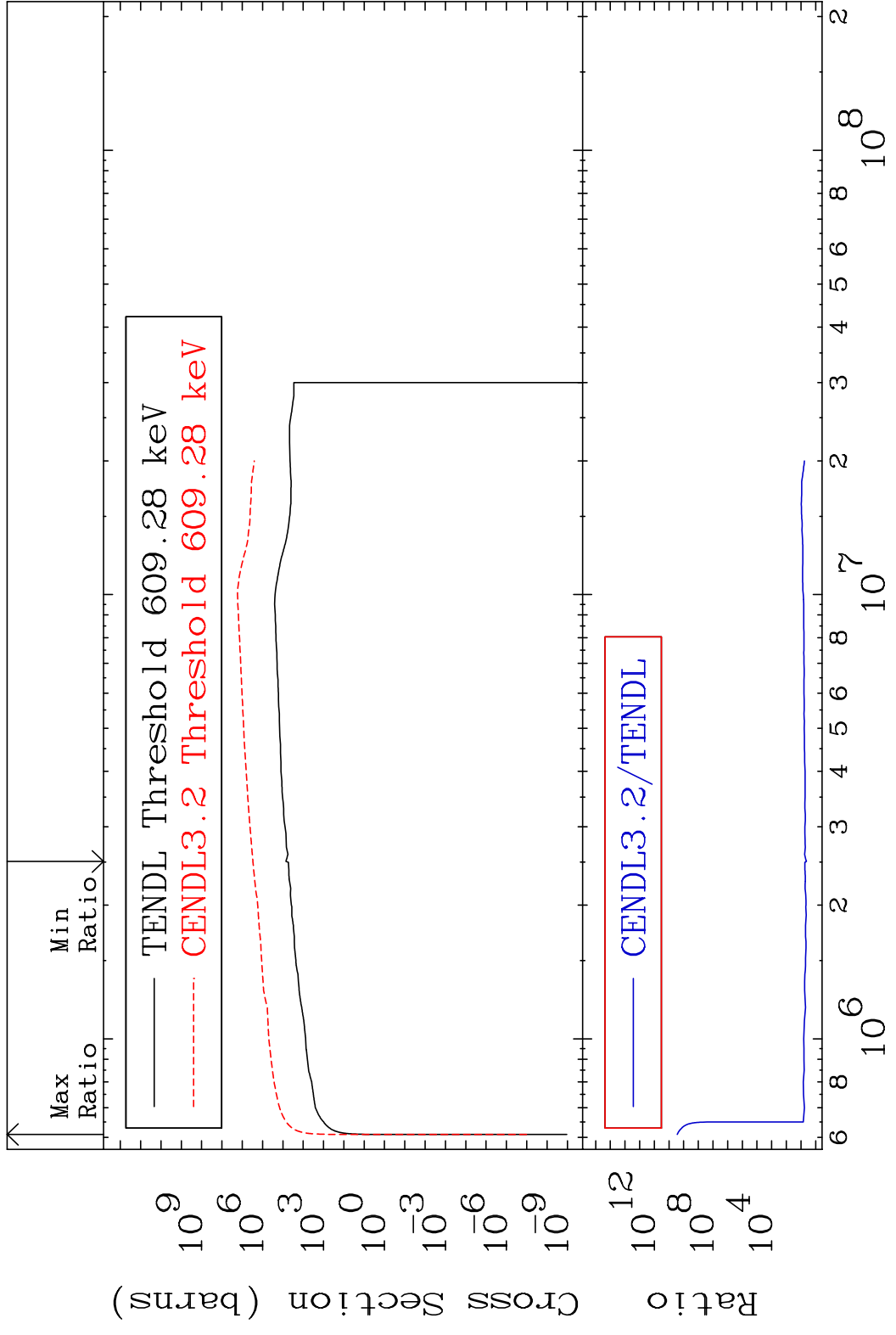
56-Ba-134



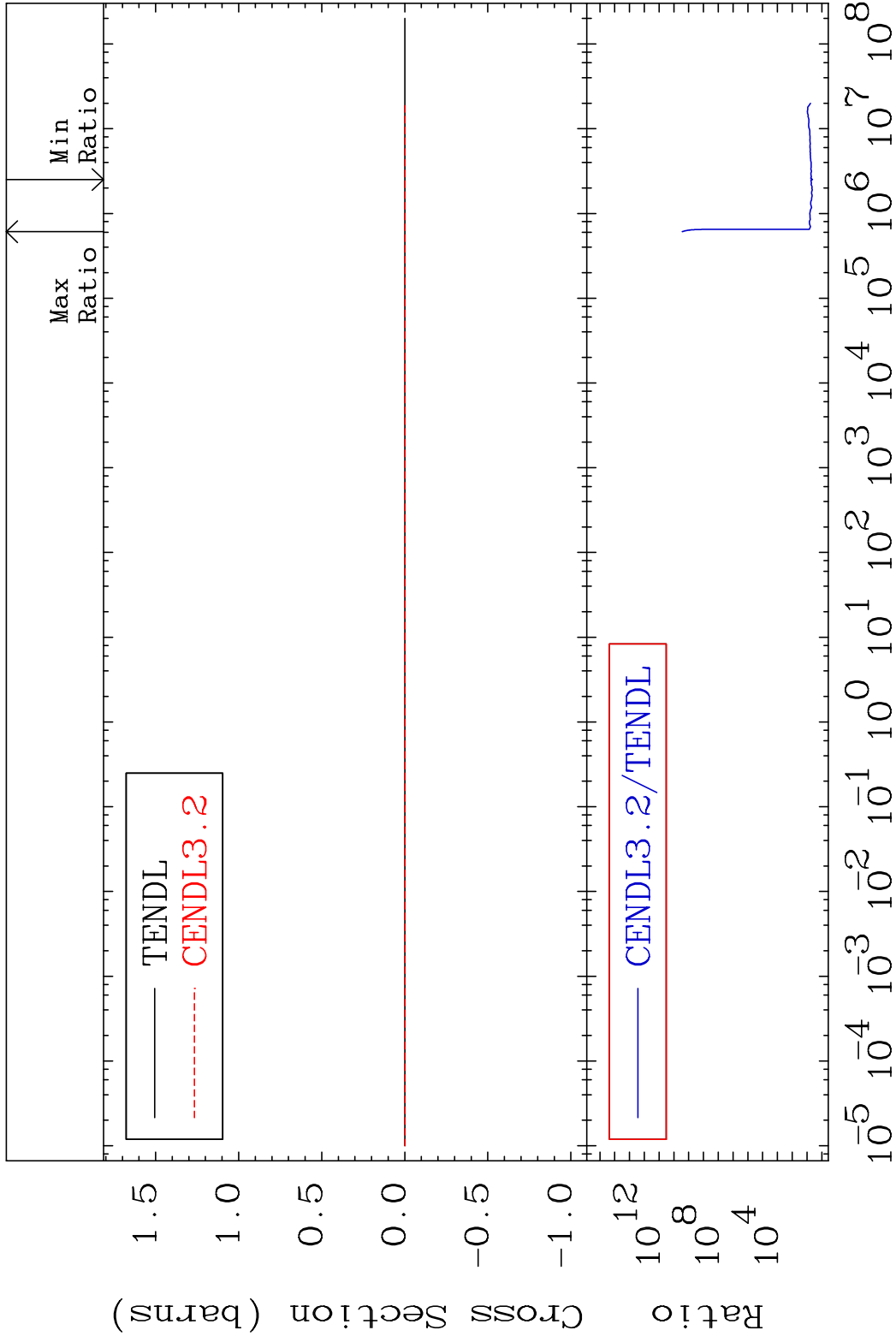
MAT 5637 Kerma non-elastic (all but mt2) 56-Ba-134
 Cross Section -62.00 To 9999. %



MAT 5637 Kerma inelastic (mt51-91) 56-Ba-134
 Cross Section 4152. To 9999. %

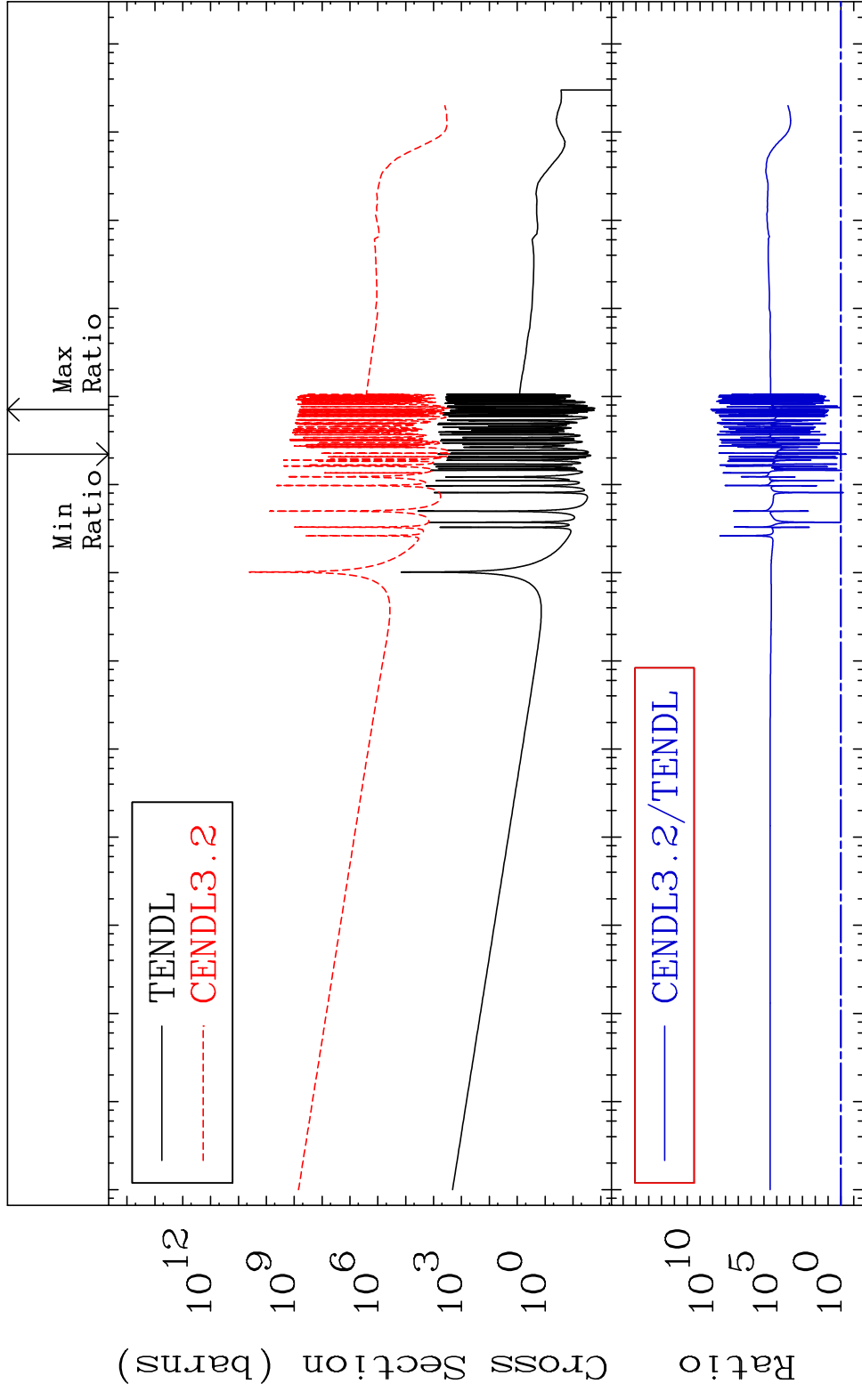


MAT 5637 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-134
 Cross Section 4152. To 9999. %



MAT 5637

Kerma capture (mt102) 56-Ba-134
Cross Section -62.00 To 9999. %

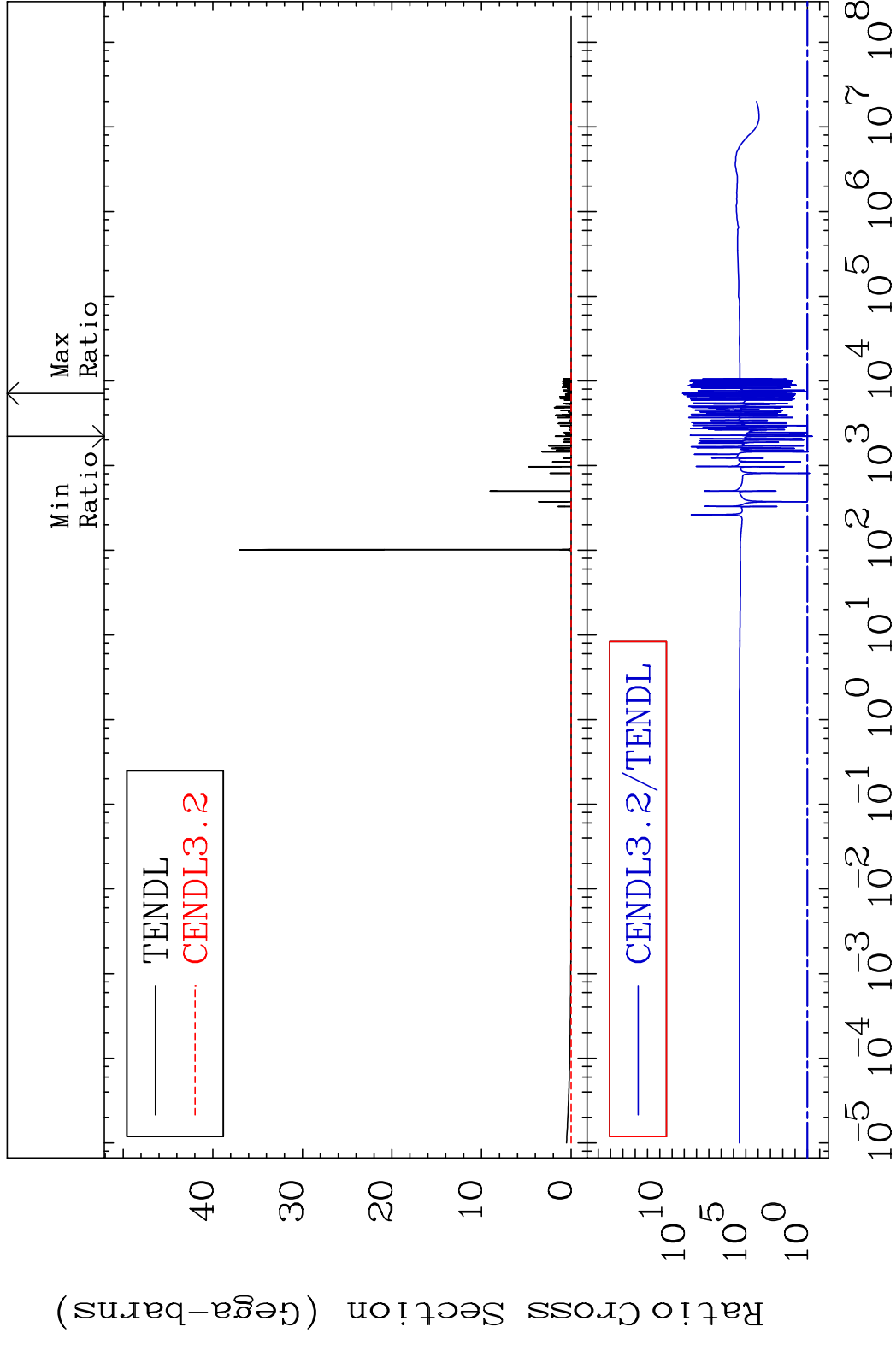


40

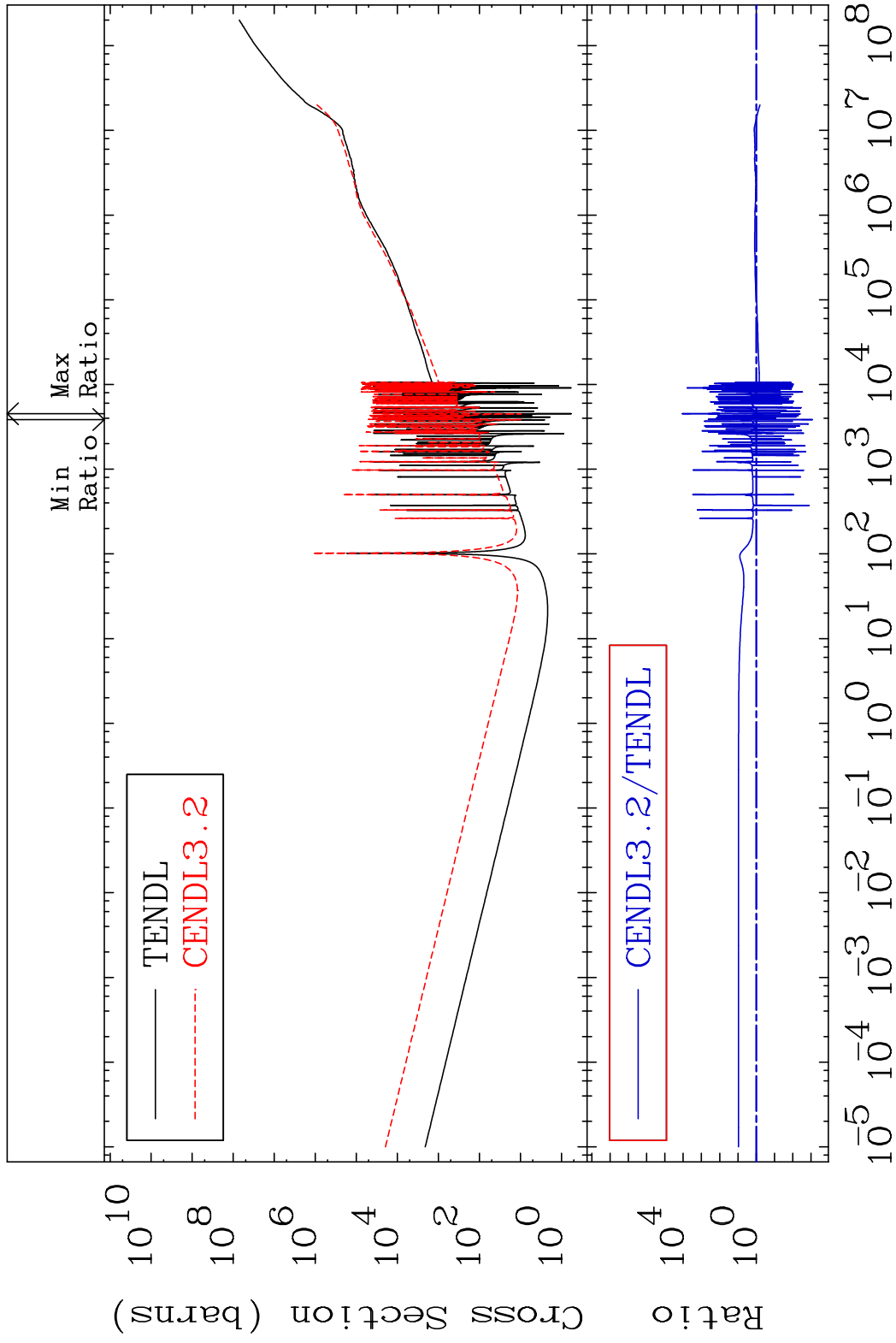
Incident Energy (eV)

56-Ba-134

MAT 5637 Total photon (eV-barns) 56-Ba-134
 Cross Section -62.00 To 9999. %



MAT 5637 Total kinematic kerma (high limit) 56-Ba-134
 Cross Section -99.92 To 9999. %

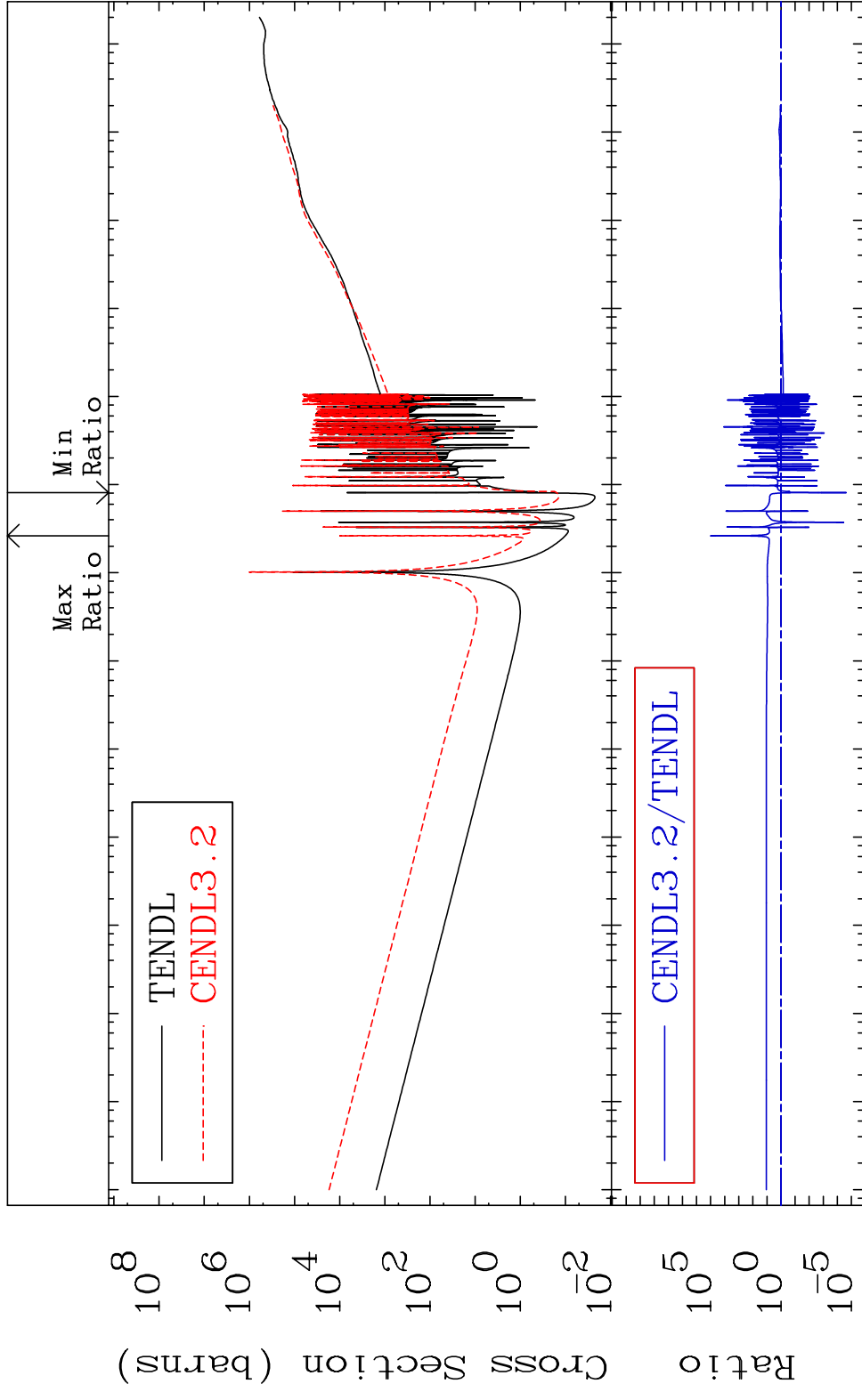


MAT 5637

Dpa total (eV-barns)

56-Ba-134

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

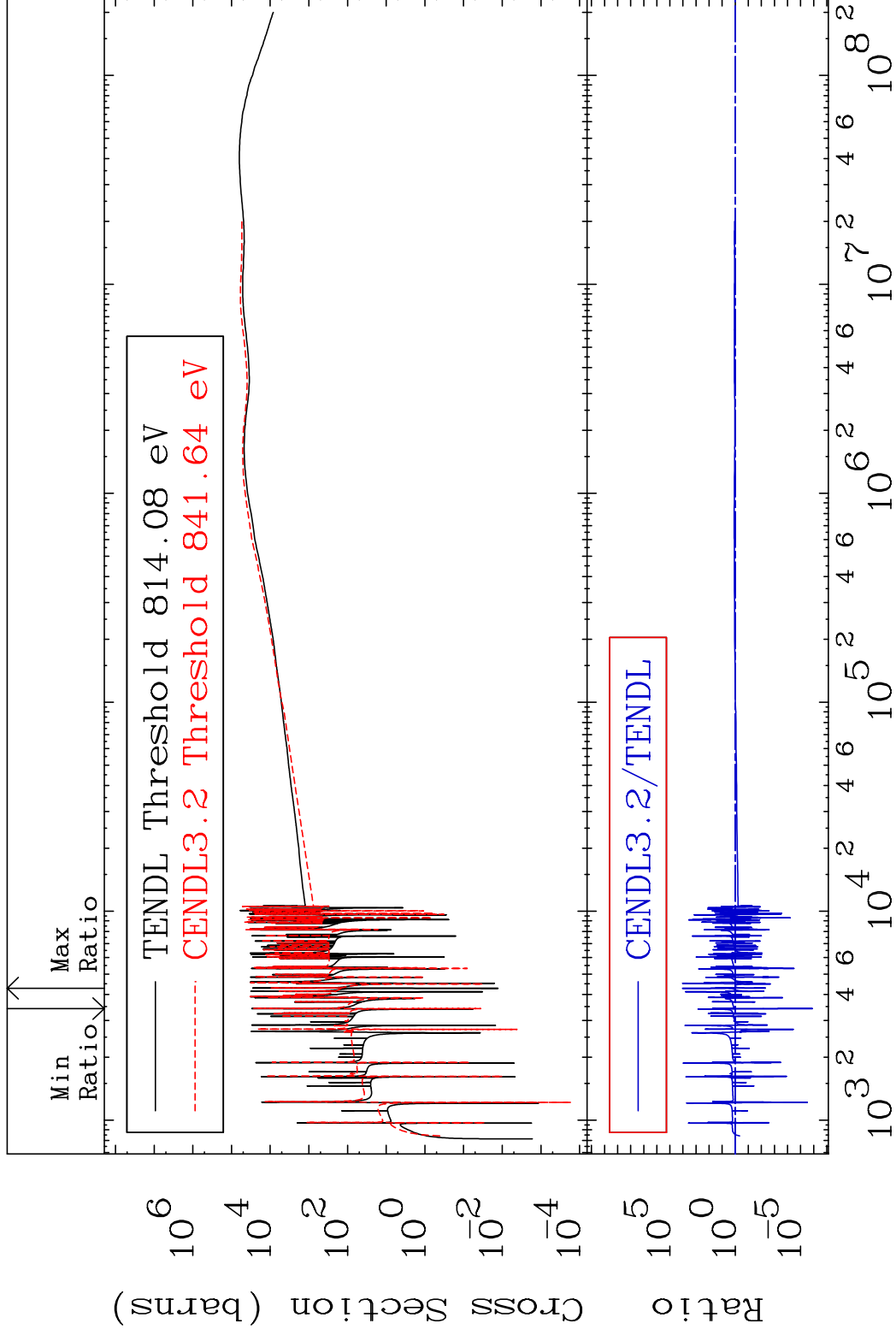
56-Ba-134

MAT 5637

Dpa elastic (mt2)

56-Ba-134

Cross Section -100.0 To 9999. %

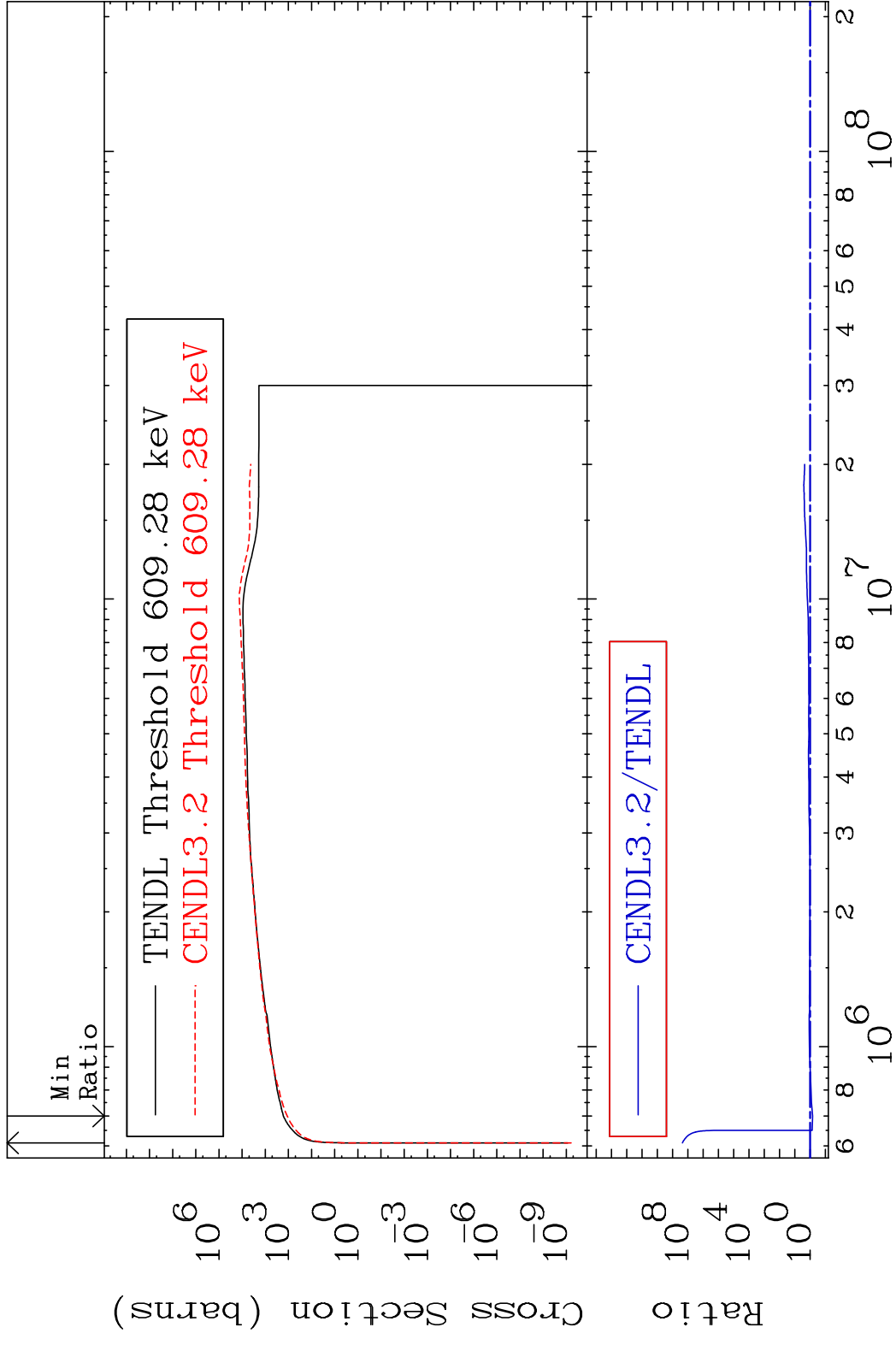


44

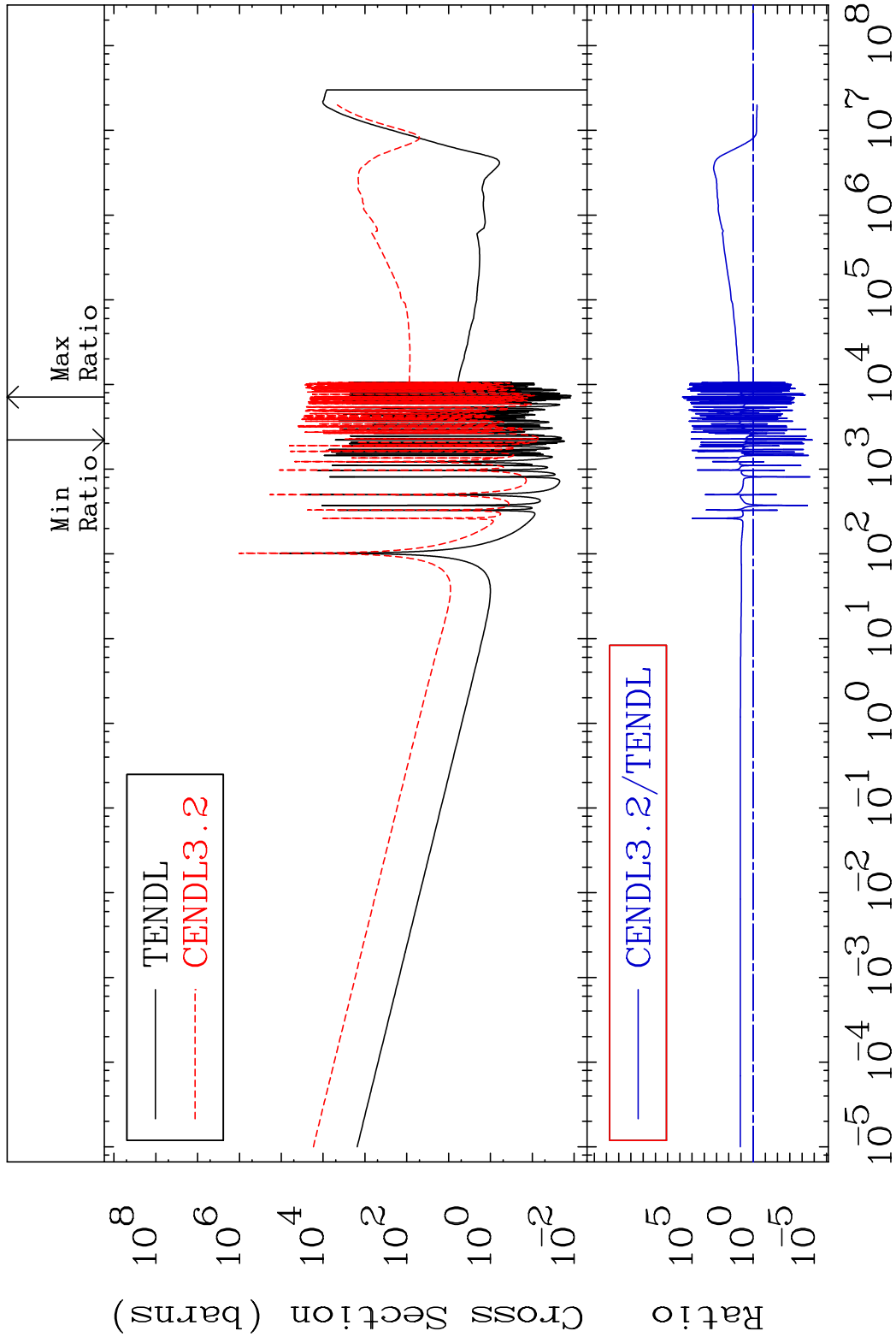
Incident Energy (eV)

56-Ba-134

MAT 5637 Dpa inelastic (mt51-91) 56-Ba-134
 Cross Section -31.82 To 9999. %



MAT 5637 Dpa disappearance (mt102 -120) 56-Ba-134
 Cross Section -100.0 To 9999. %

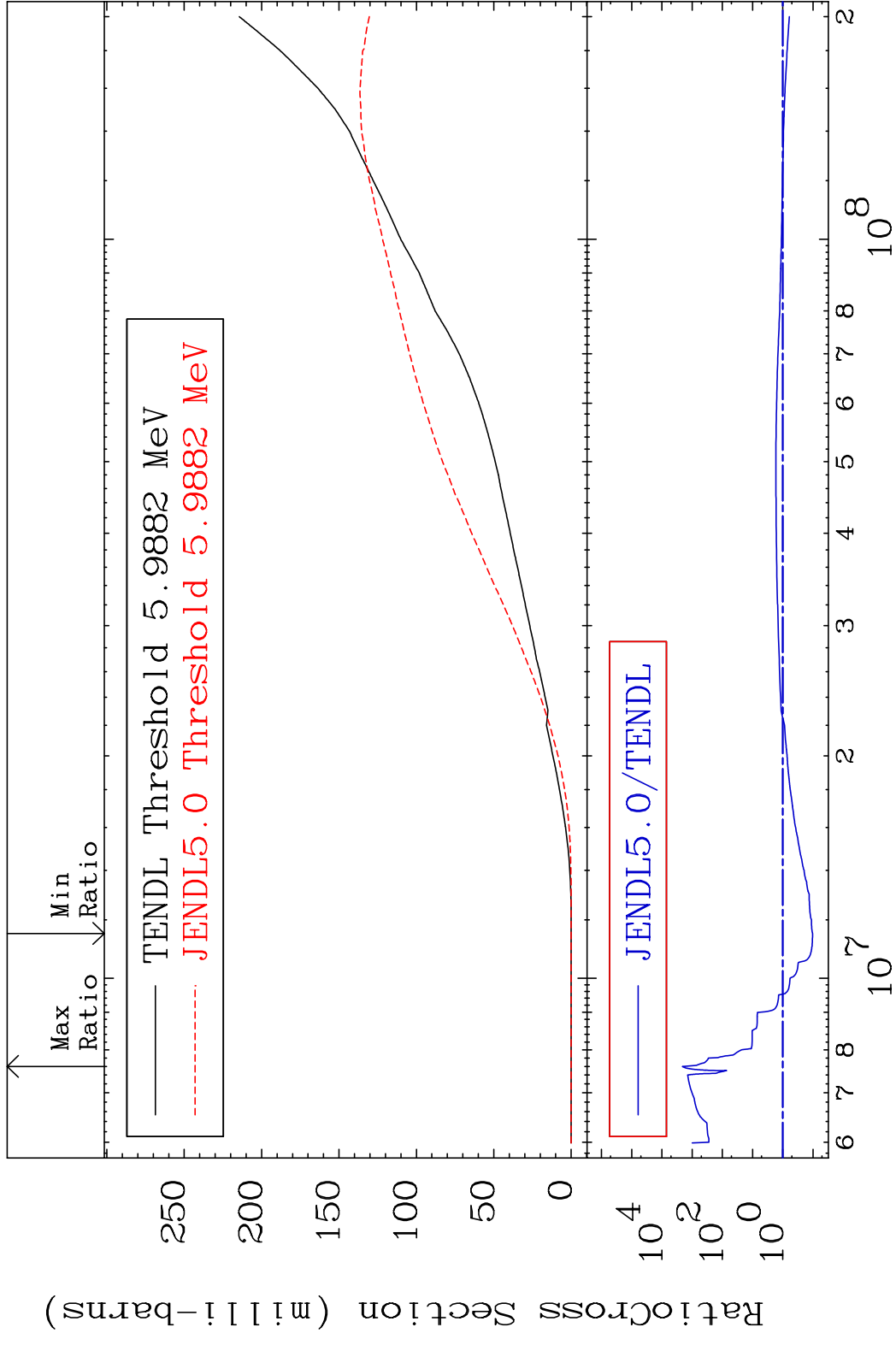


MAT 5637

Deuterium Production

56-Ba-134

Cross Section -89.69 To 9999. %

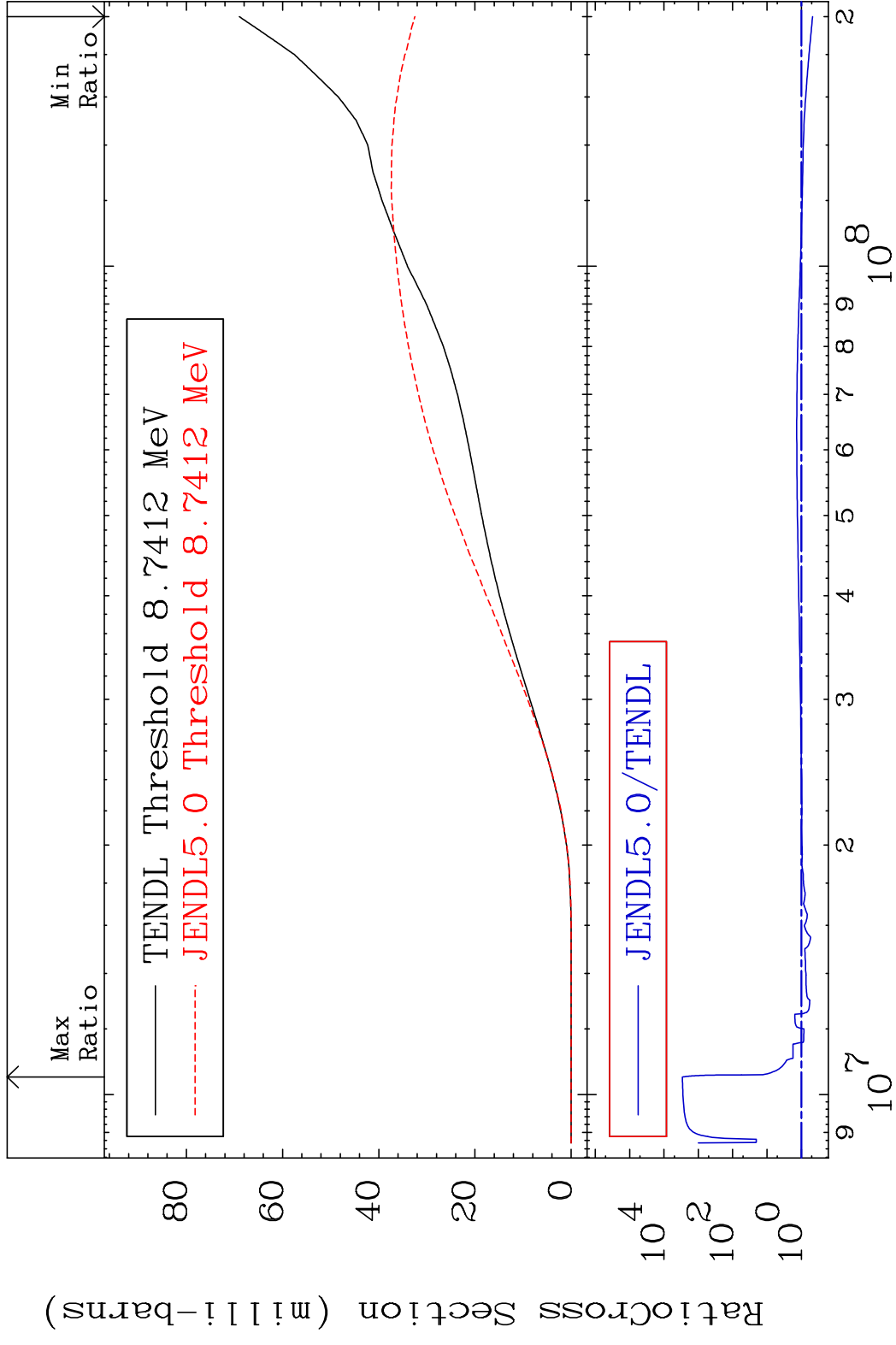


MAT 5637

Tritium Production

56-Ba-134

Cross Section -52.90 To 9999. %



48

Incident Energy (eV)

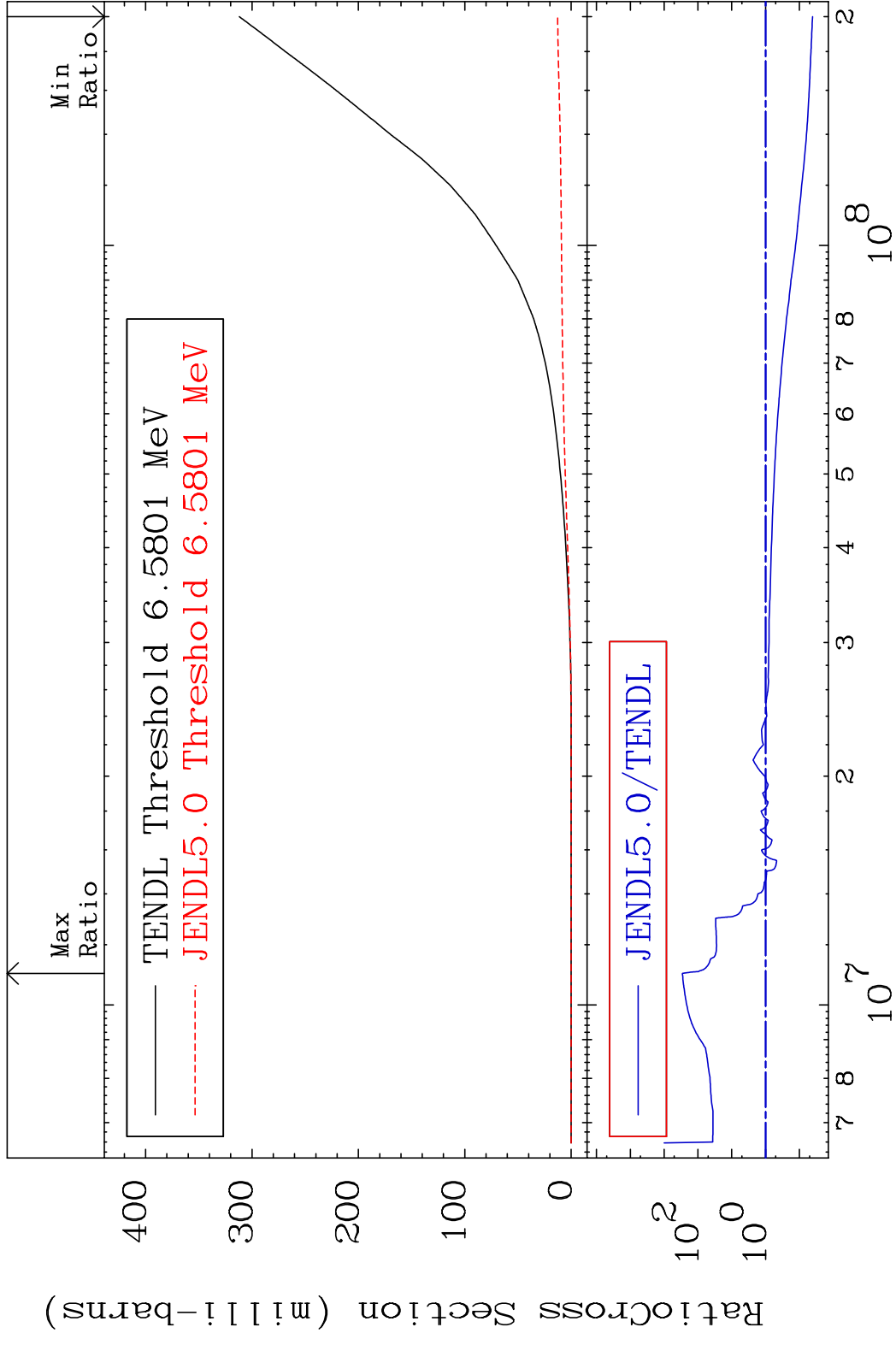
56-Ba-134

MAT 5637

He-3 Production

56-Ba-134

Cross Section -95.92 To 9999. %



49

Incident Energy (eV)

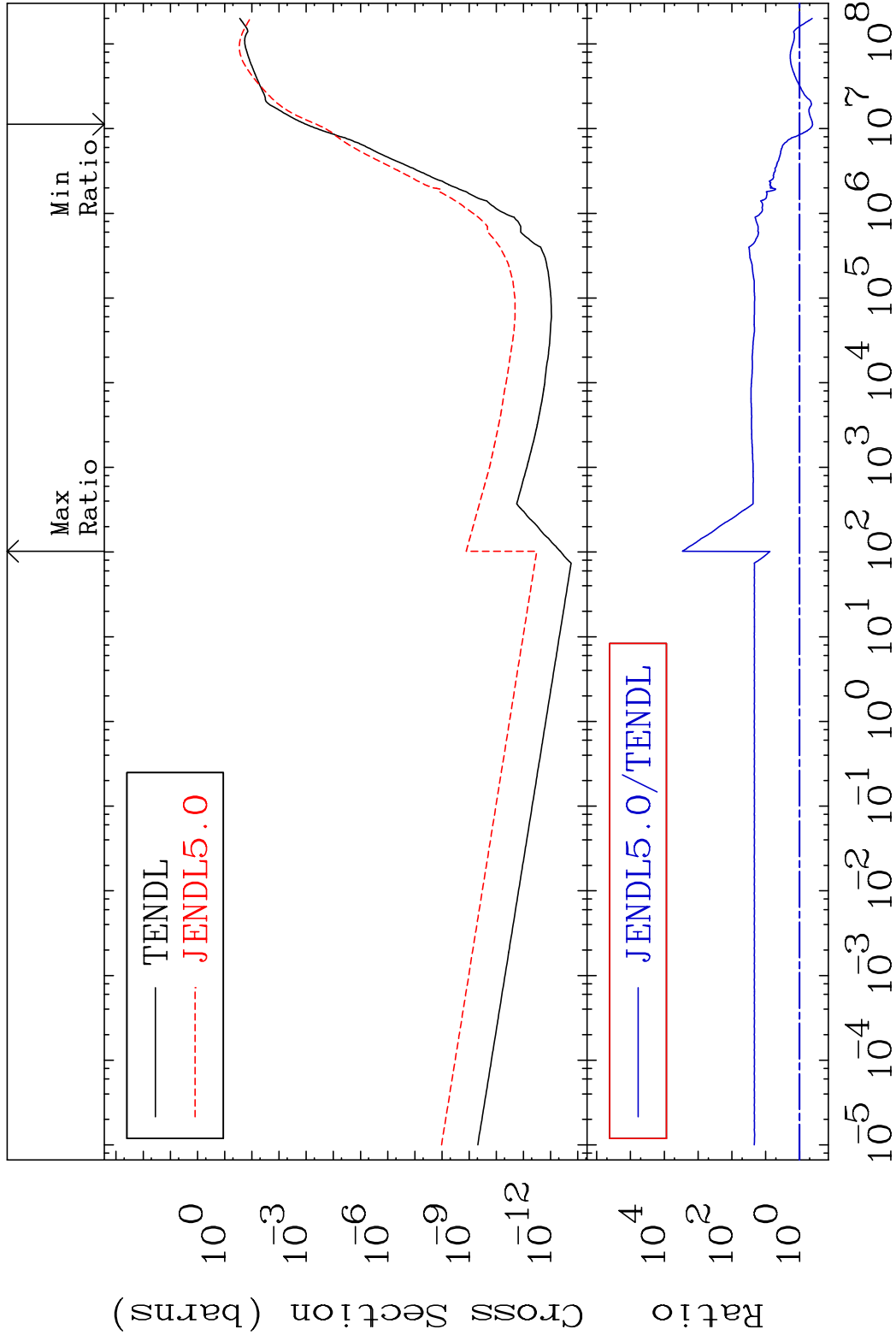
56-Ba-134

MAT 5637

He-4 Production

56-Ba-134

Cross Section -58.74 To 9999. %



50

Incident Energy (eV)

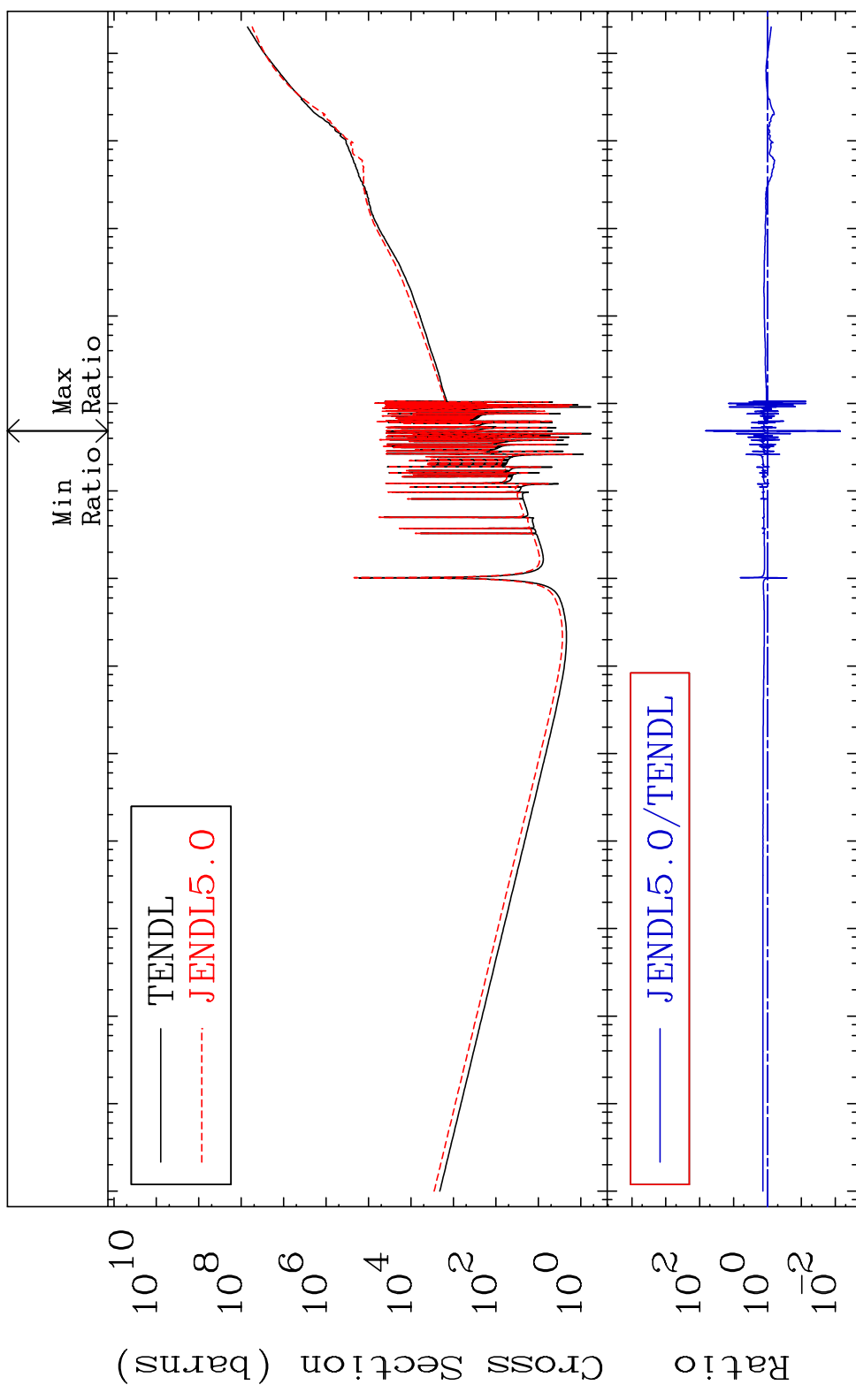
56-Ba-134

MAT 5637

Kerma total (eV-barns)

56-Ba-134

Cross Section -99.29 To 6525. %



51

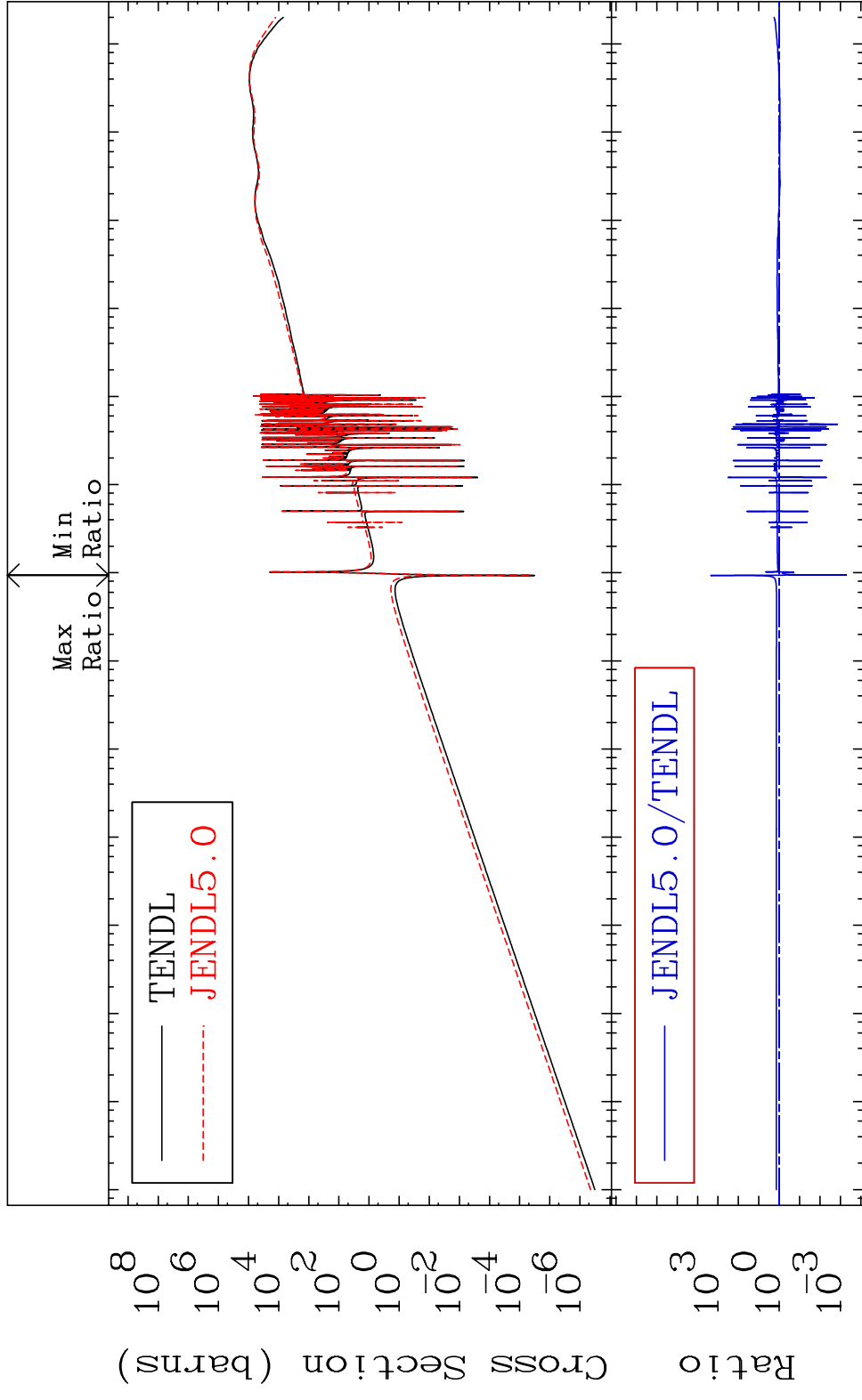
Incident Energy (eV)

56-Ba-134

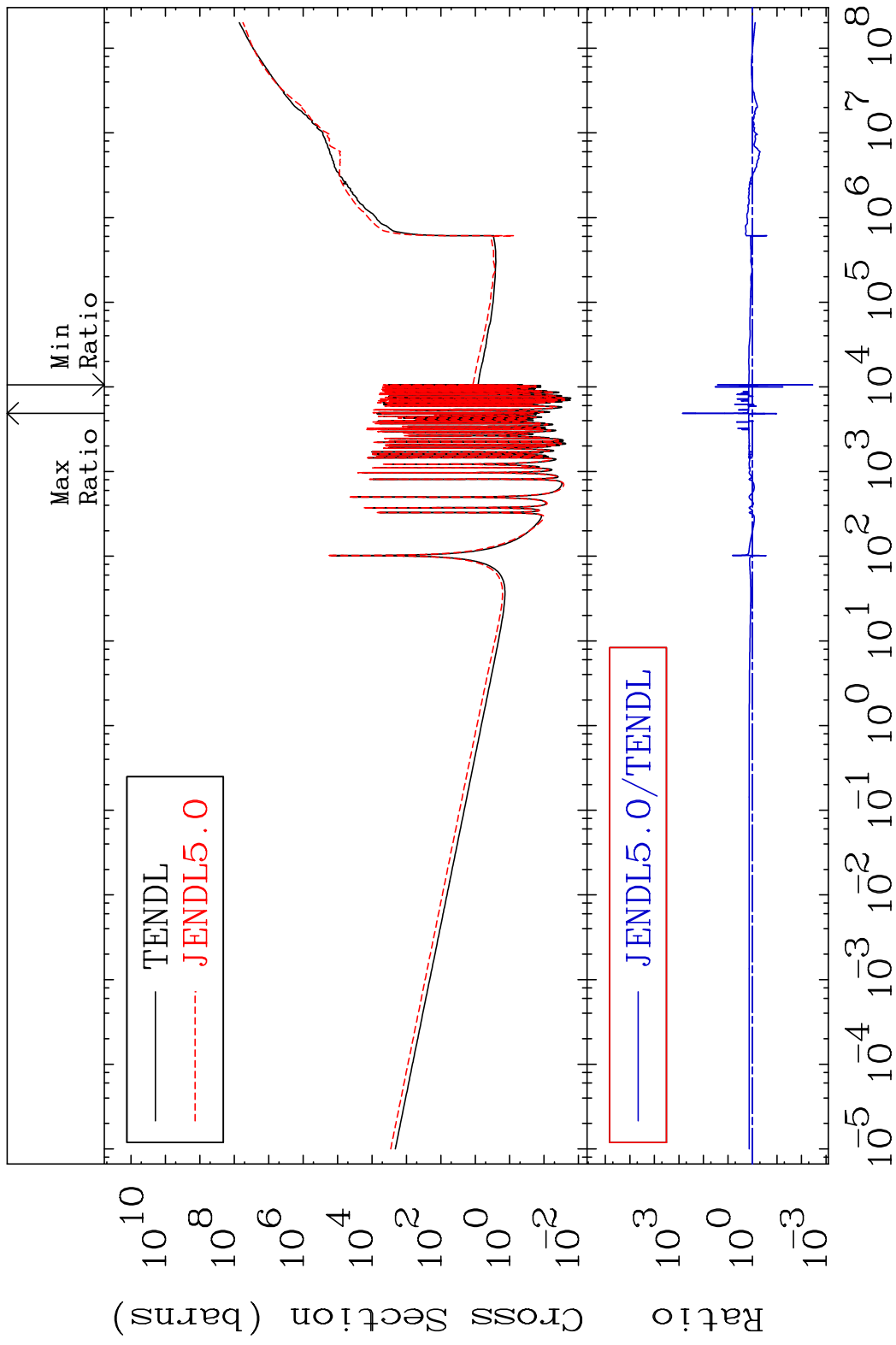
MAT 5637

Kerma elastic
Cross Section

56-Ba-134
-99.95 To 9999. %

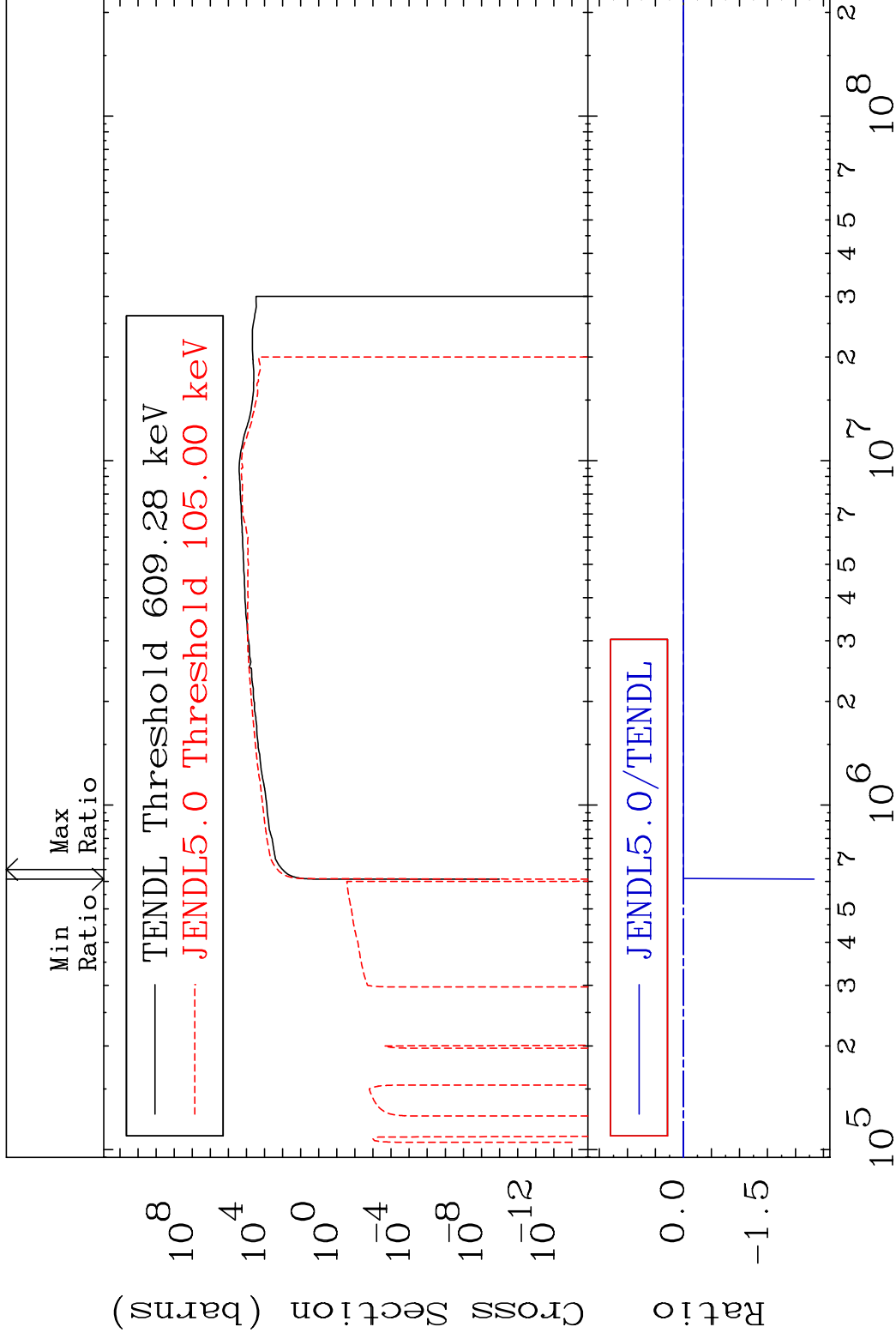


MAT 5637 Kerma non-elastic (all but mt2) 56-Ba-134
 Cross Section -99.65 To 9999. %



MAT 5637

Kerma inelastic (mt51-91) 56-Ba-134
Cross Section -9999. To 94.06 %

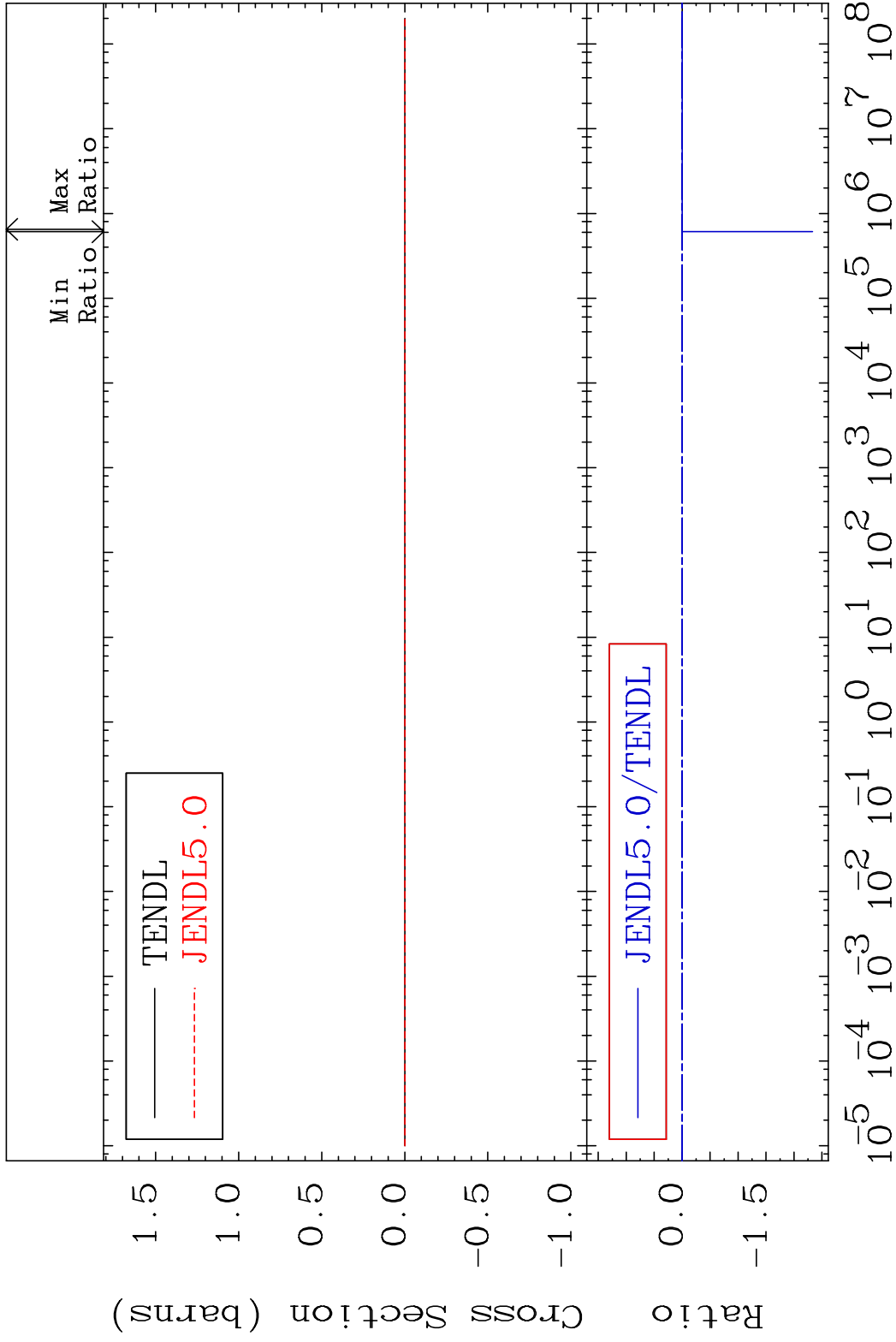


54

Incident Energy (eV)

56-Ba-134

MAT 5637 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-134
 Cross Section -9999. To 94.06 %

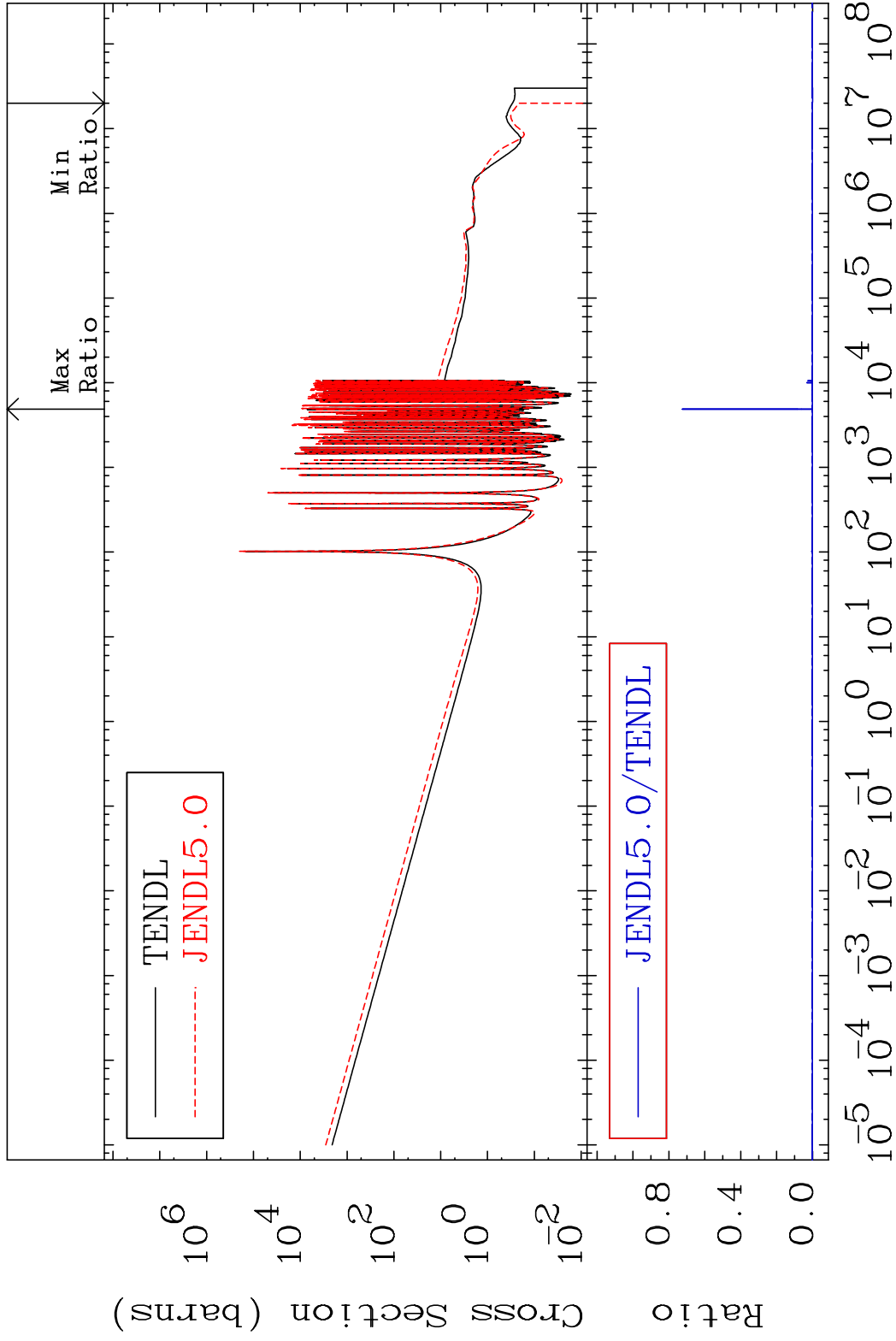


MAT 5637

Kerma capture (mt102)

56-Ba-134

Cross Section -100.0 To 9999. %



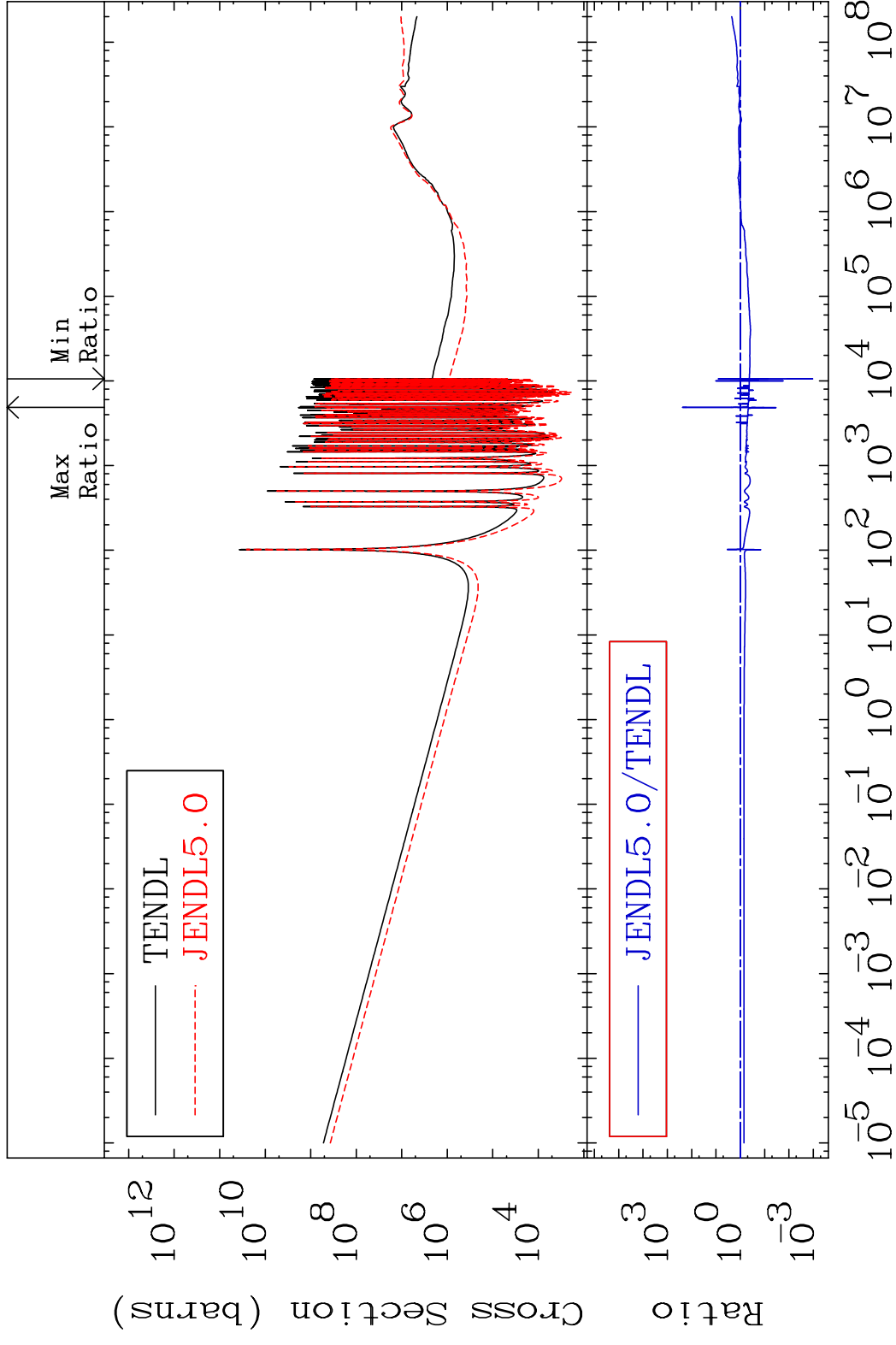
56

Incident Energy (eV)

56-Ba-134

MAT 5637

Total photon (eV-barns) 56-Ba-134
Cross Section -99.89 To 9999. %

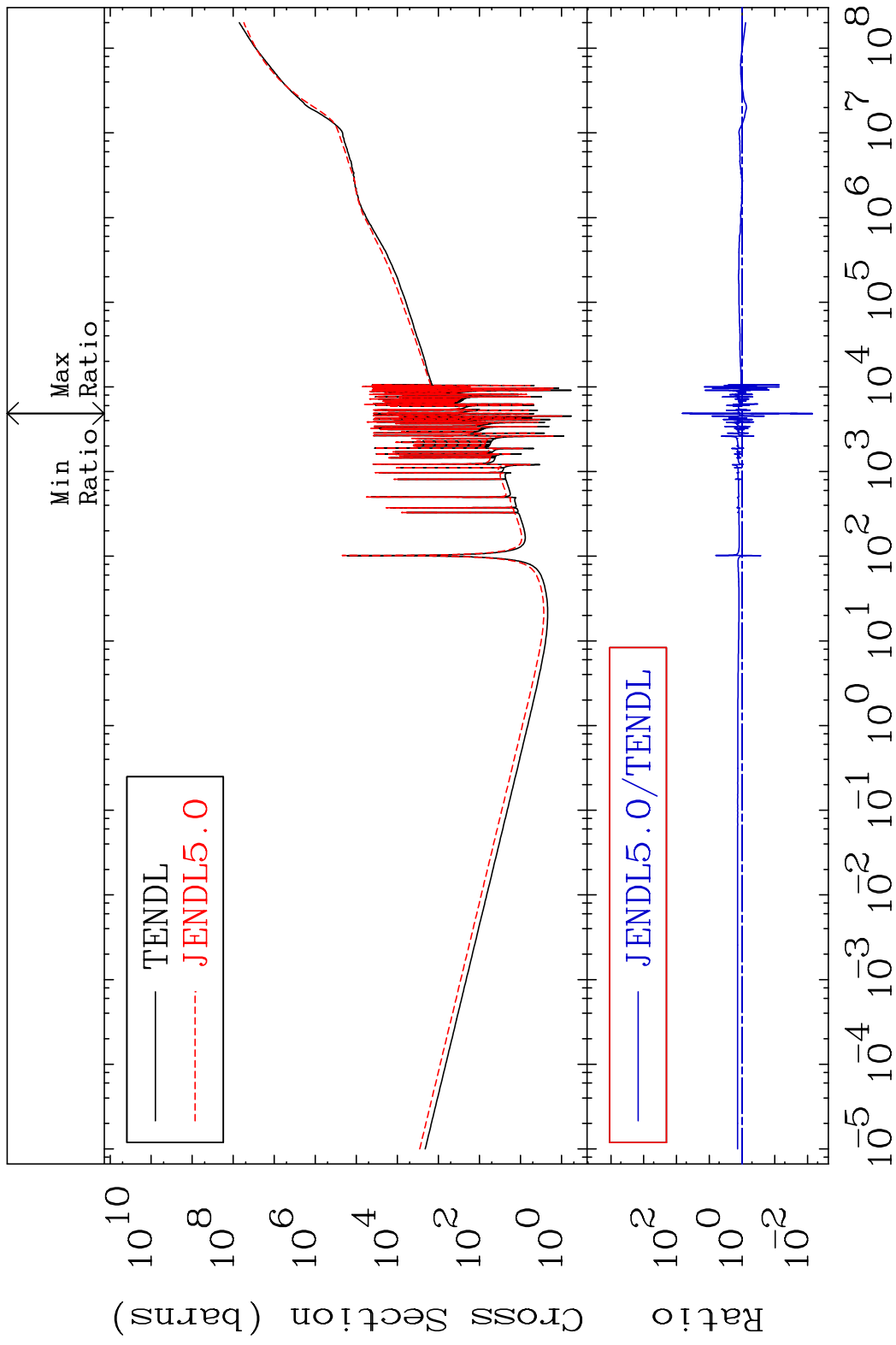


57

Incident Energy (eV)

56-Ba-134

MAT 5637 Total kinematic kerma (high limit) 56-Ba-134
 Cross Section -99.29 To 6525. %



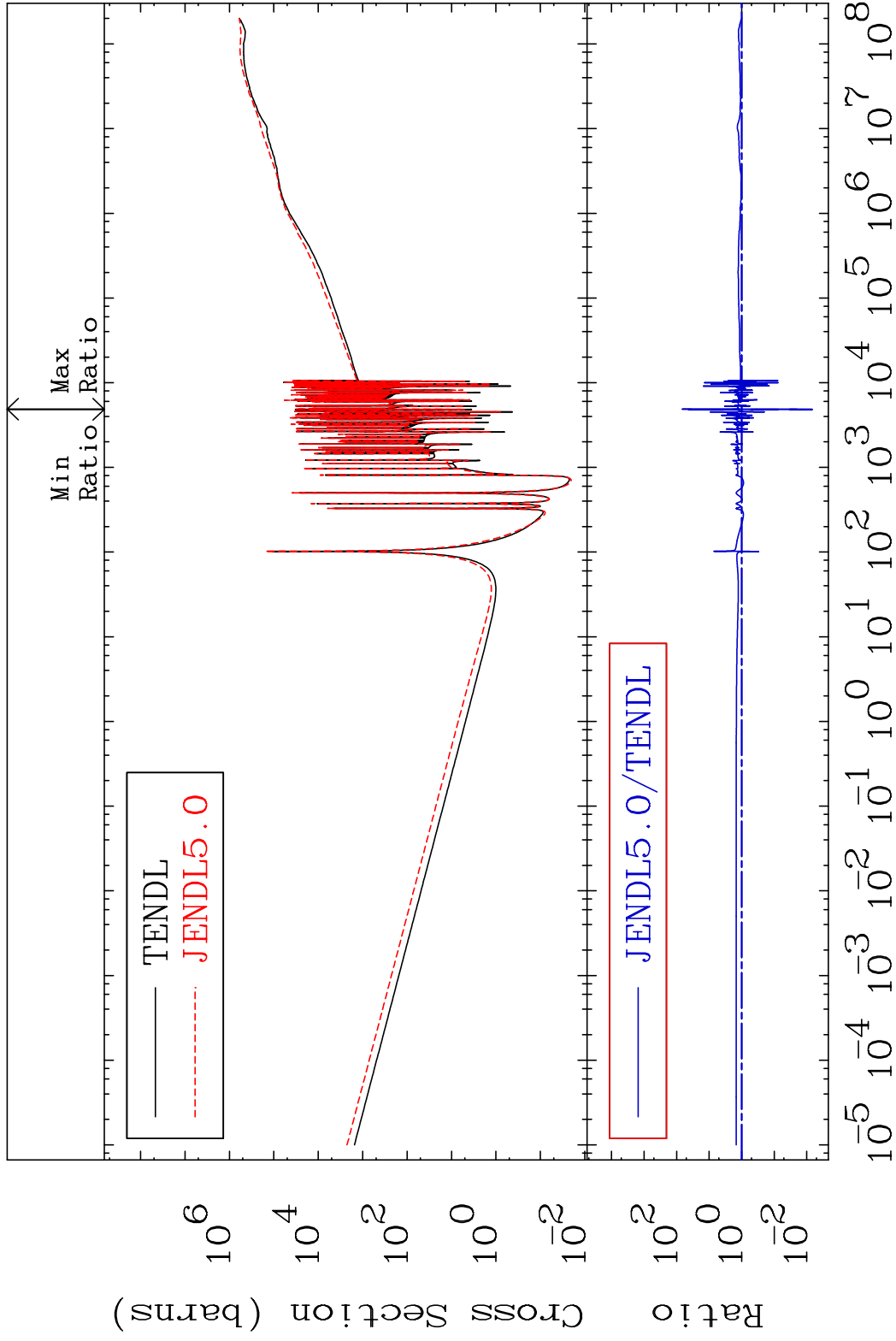
MAT 5637

Dpa total (eV-barns)

56-Ba-134

Cross Section

-99.34 To 6548. %



59

Incident Energy (eV)

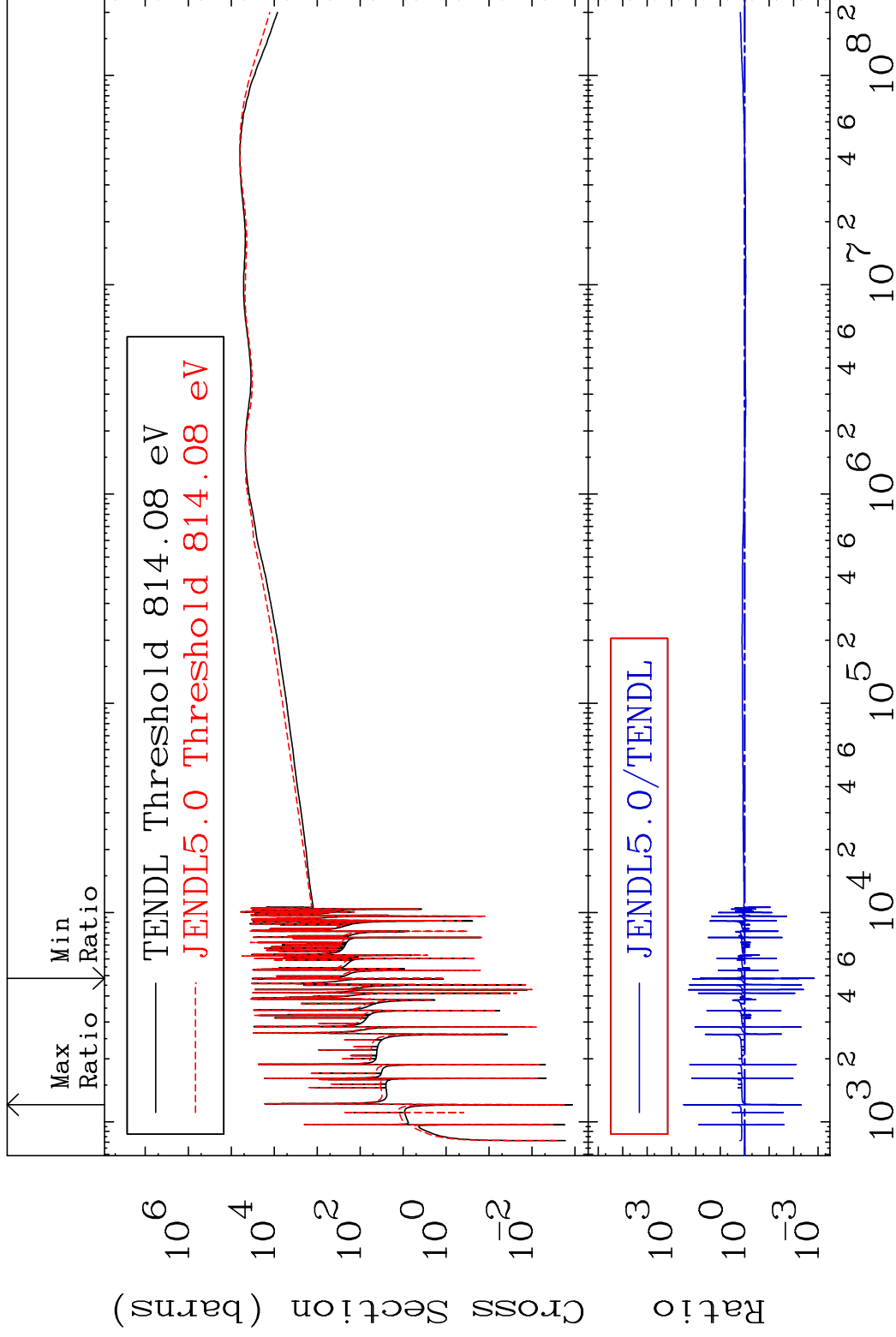
56-Ba-134

MAT 5637

Dpa elastic (mt2)

56-Ba-134

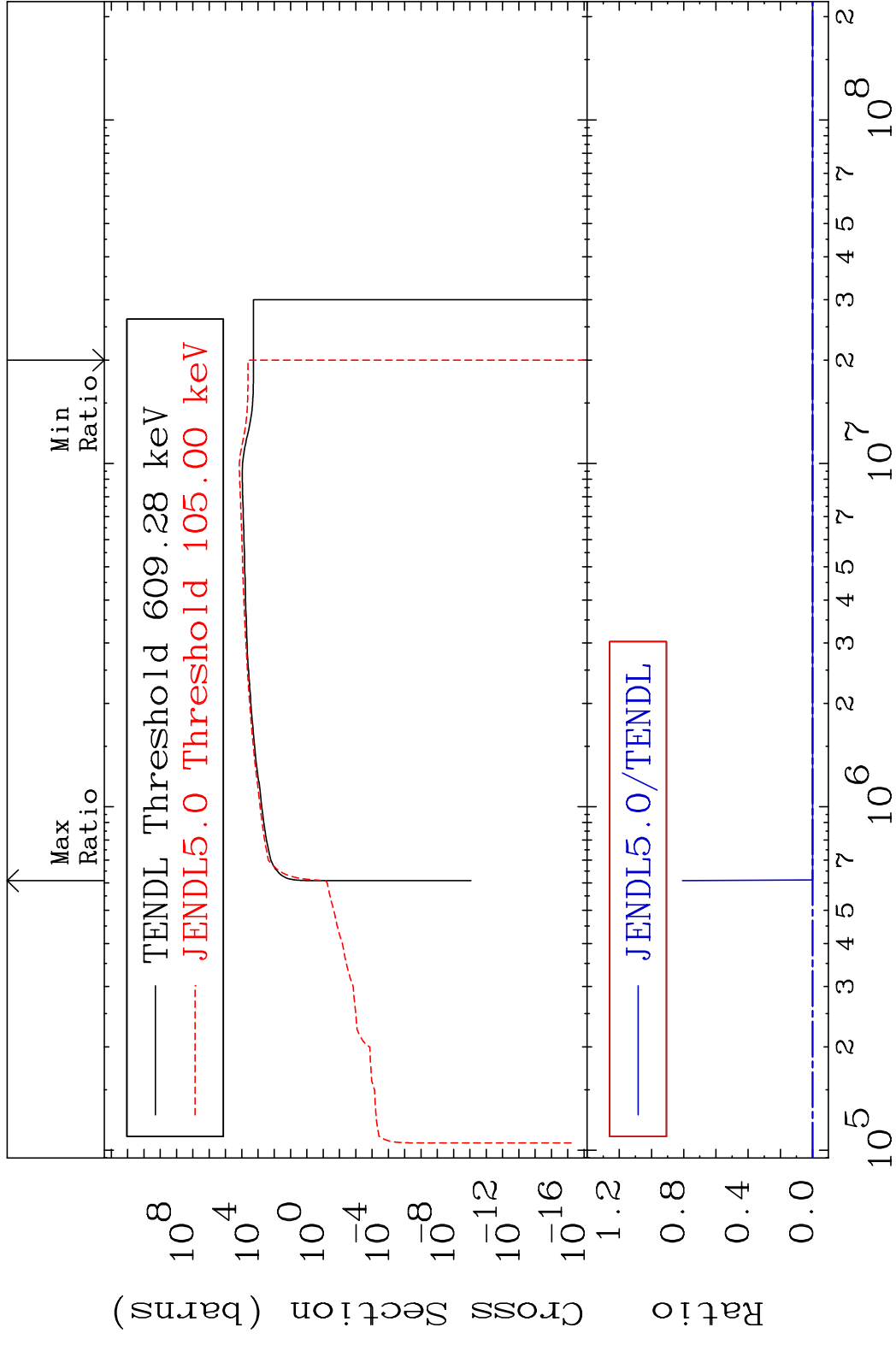
Cross Section -99.86 To 9999. %



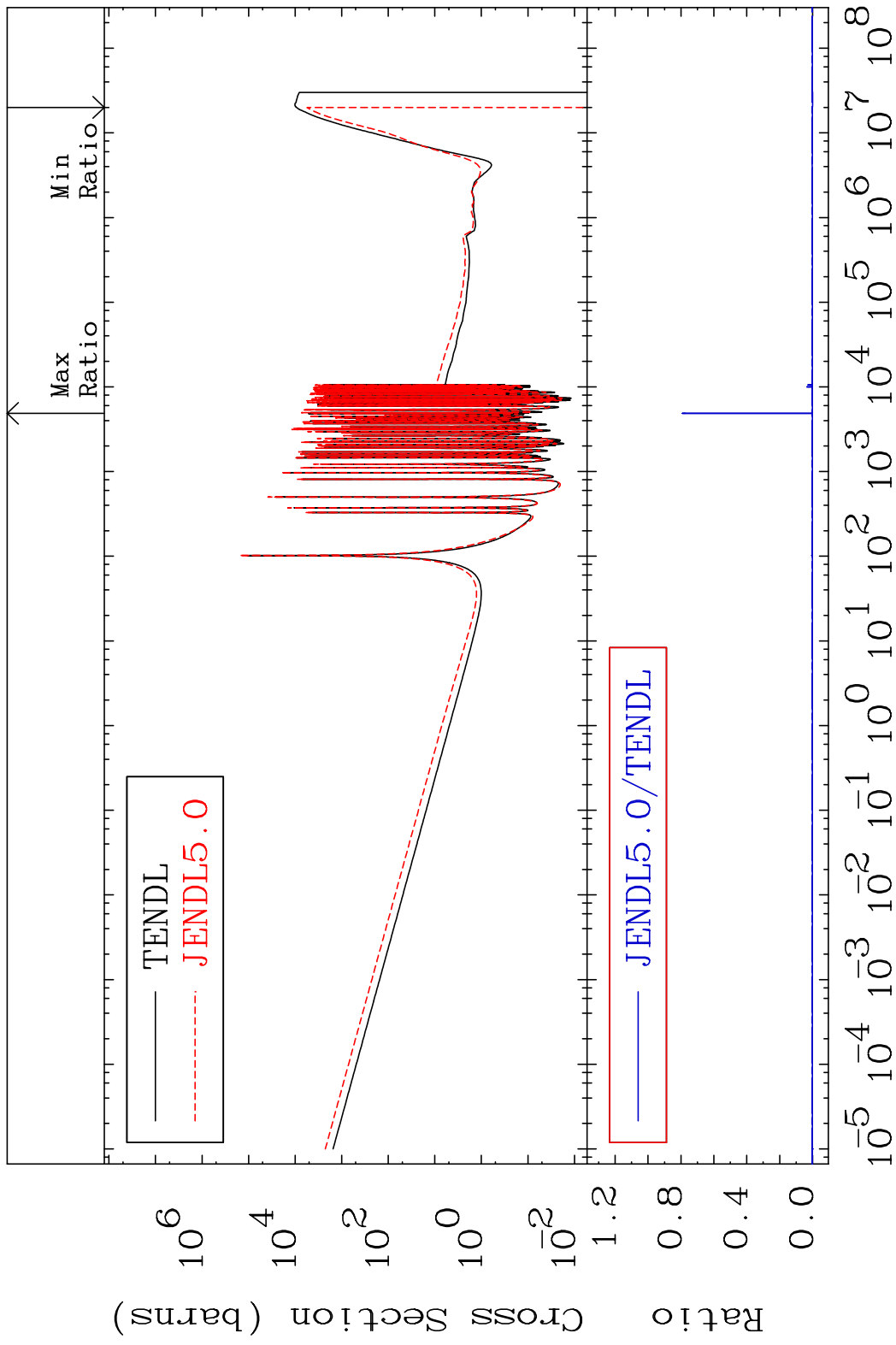
60

Incident Energy (eV)

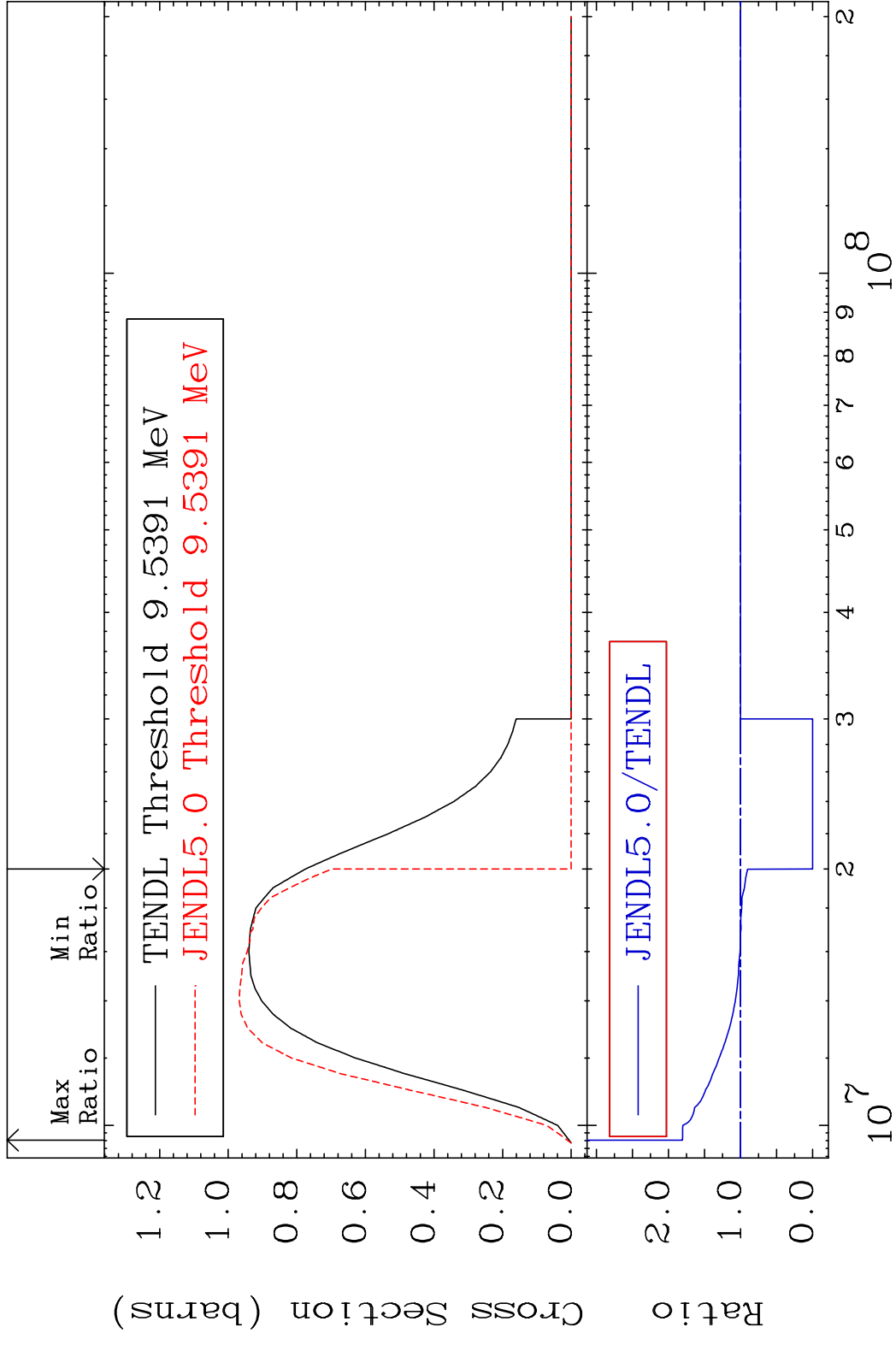
56-Ba-134



MAT 5637 Dpa disappearance (mt102 -120) 56-Ba-134
 Cross Section -100.0 To 9999. %



MAT 5637 (n,2n):56-Ba-133g 56-Ba-134
 Radionuclide Production Cross Section 180.01 dth 80.64 %



63 Incident Energy (eV) 56-Ba-134

MAT 5637 (n, 2n):56-Ba-133m2 56-Ba-134
 Radionuclide Production Cross Section 180.01 dth 87.07 %

