

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

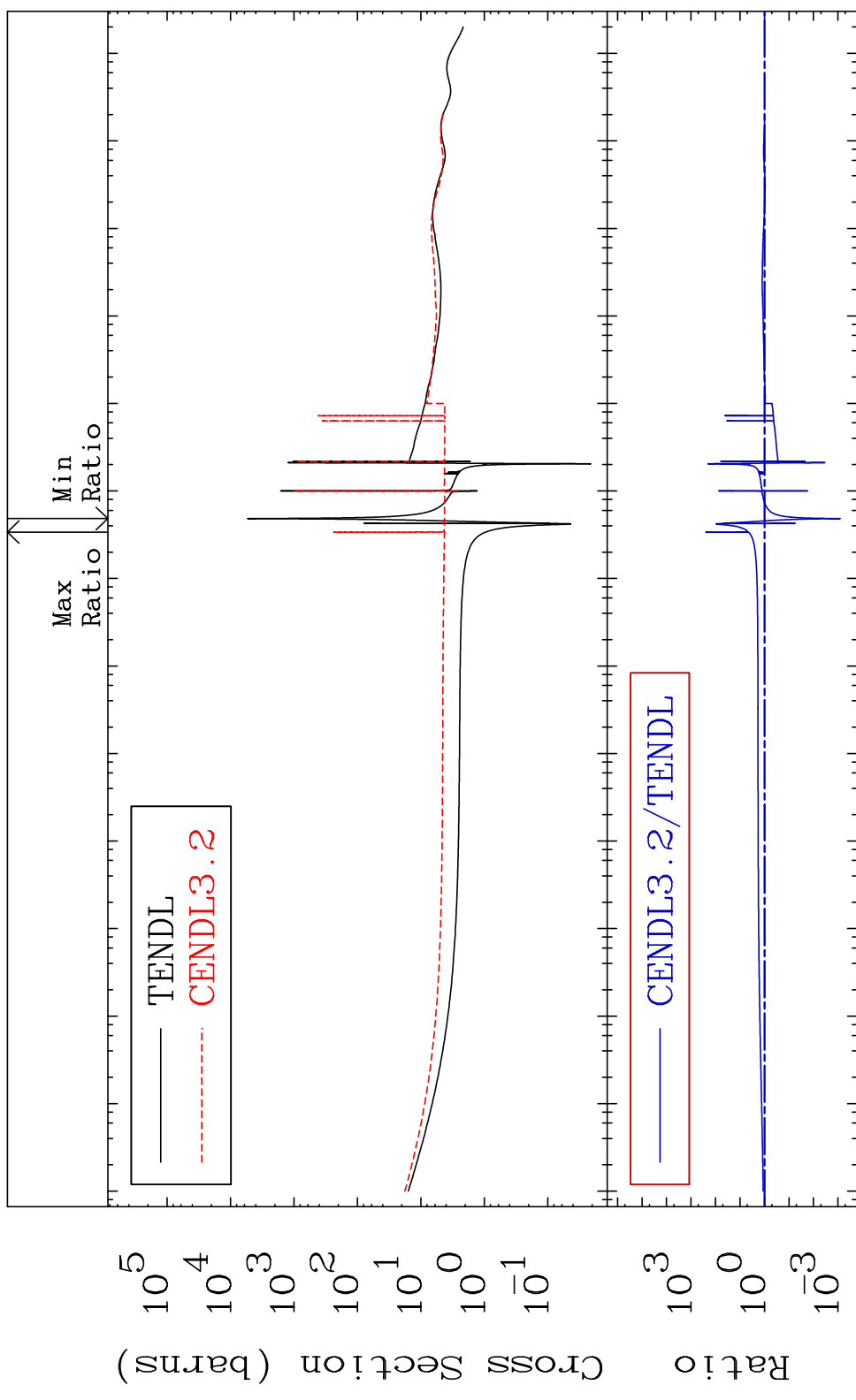
MAT 5455

Total

54-Xe-134

Cross Section

-99.92 To 9999. %



1

Incident Energy (eV)

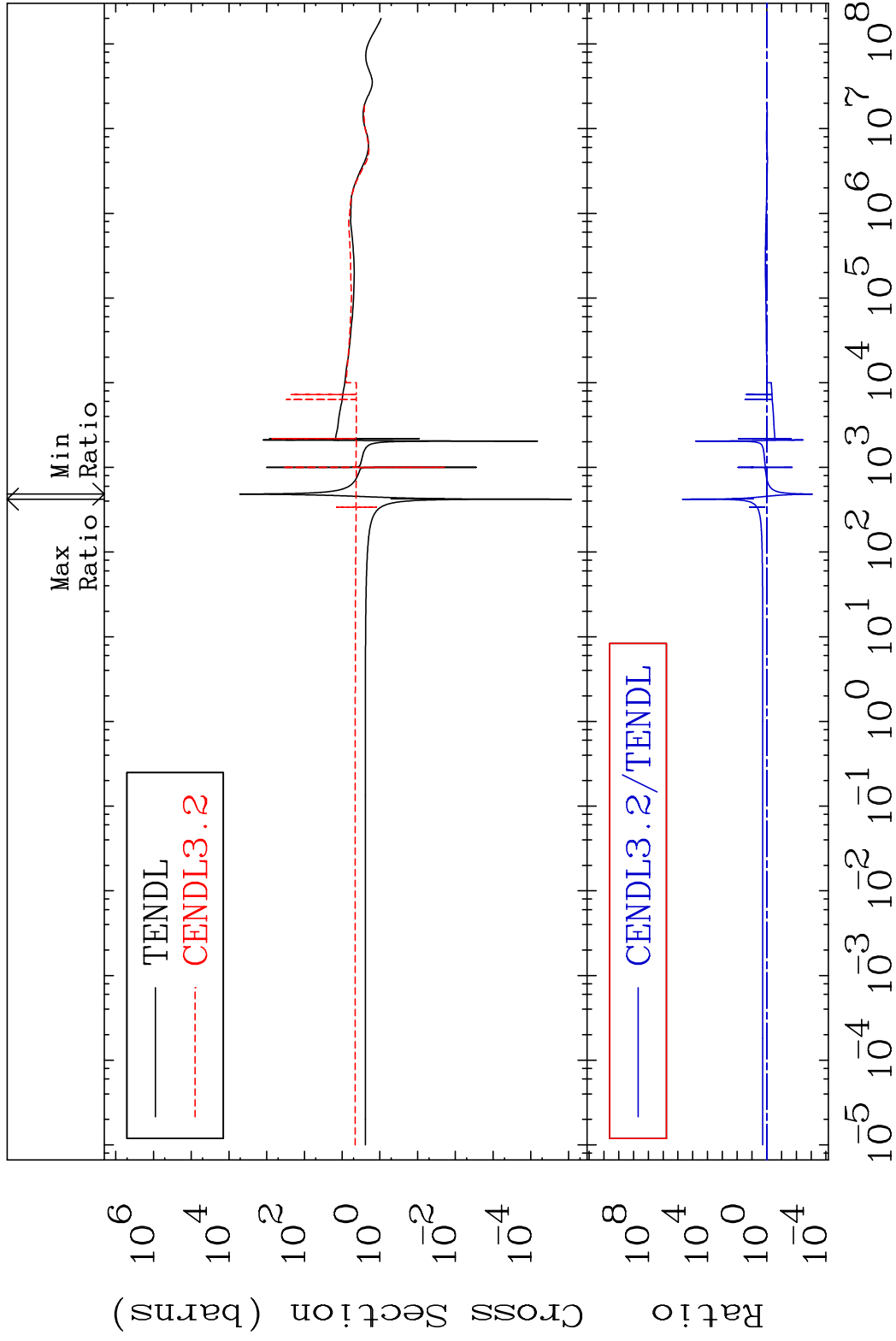
54-Xe-134

MAT 5455

Elastic

54-Xe-134

Cross Section -99.92 To 9999. %



2

Incident Energy (eV)

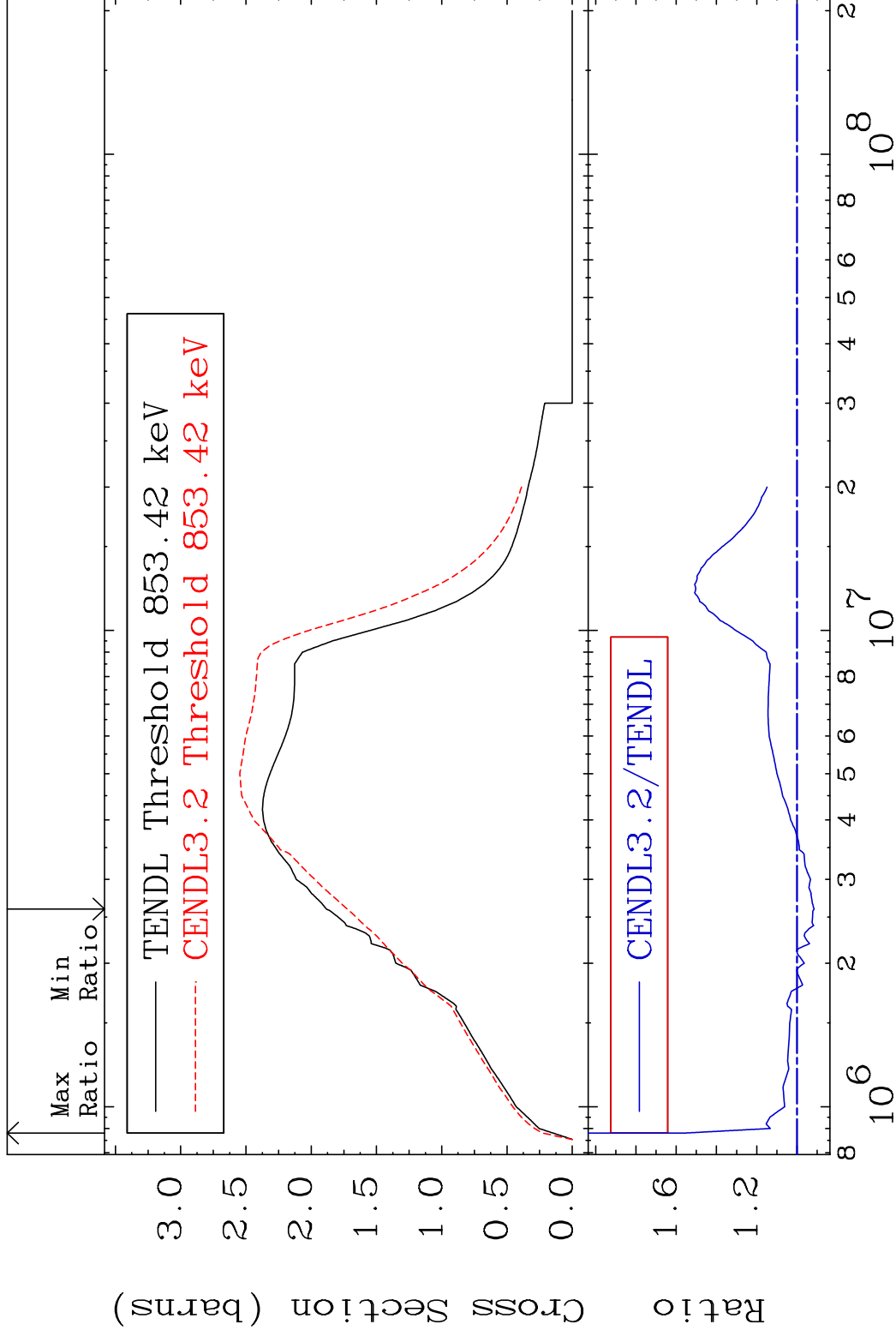
54-Xe-134

MAT 5455

Inelastic

54-Xe-134

Cross Section -8.490 To 56.29 %



3

Incident Energy (eV)

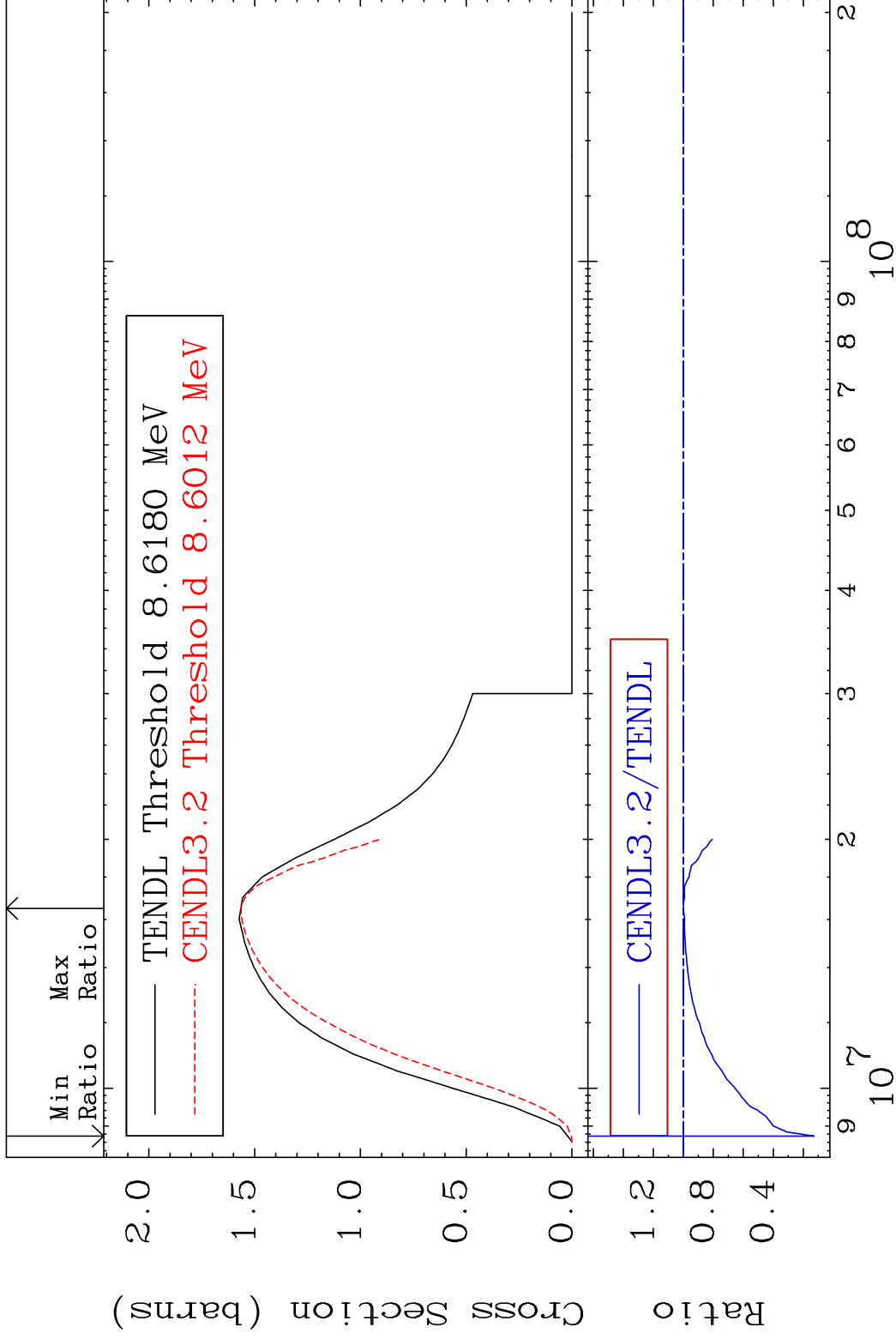
54-Xe-134

MAT 5455

(n,2n)

54-Xe-134

Cross Section -87.18 To -0.095%



4

Incident Energy (eV)

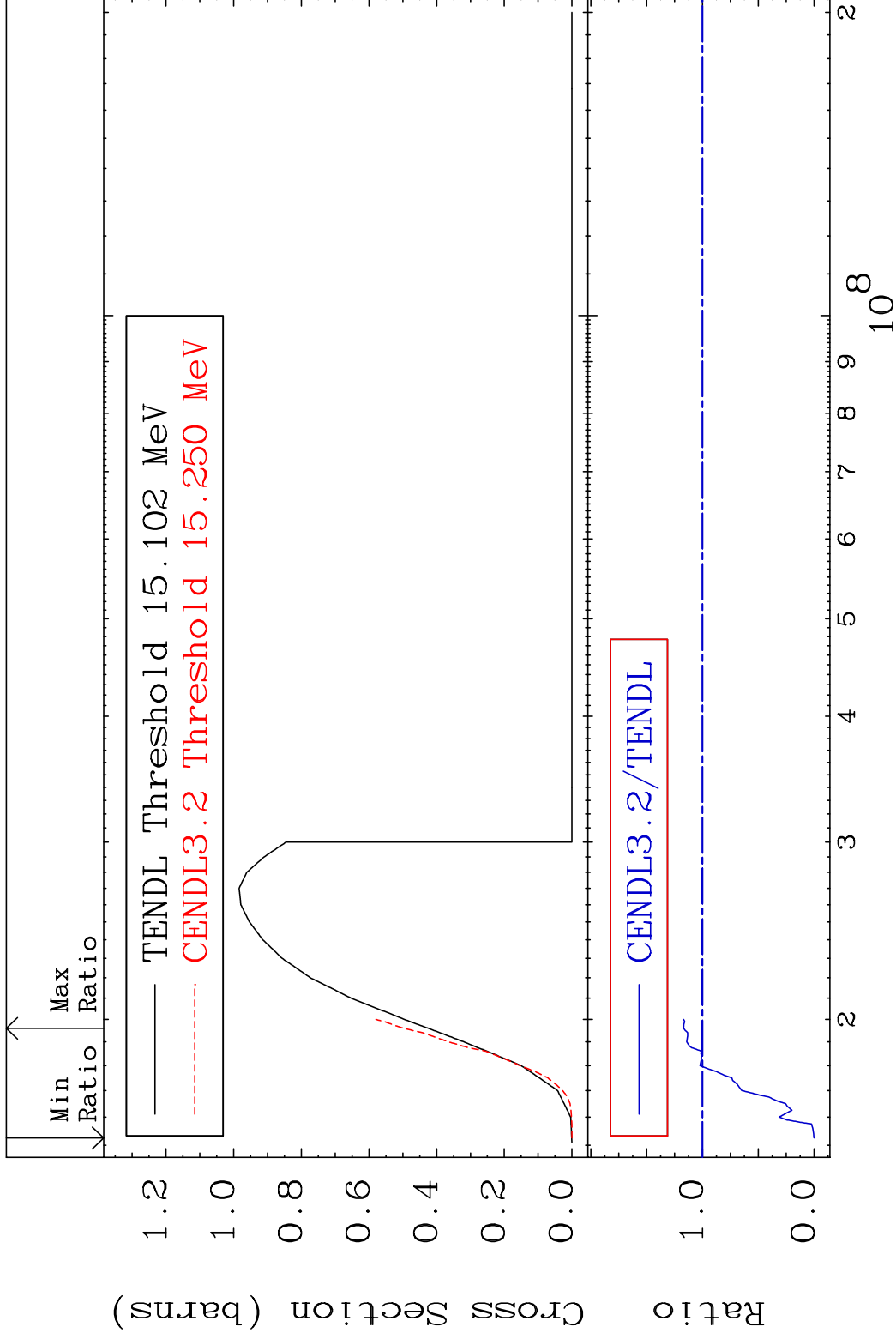
54-Xe-134

MAT 5455

(n,3n)

54-Xe-134

Cross Section -100.0 To 17.07 %



5

Incident Energy (eV)

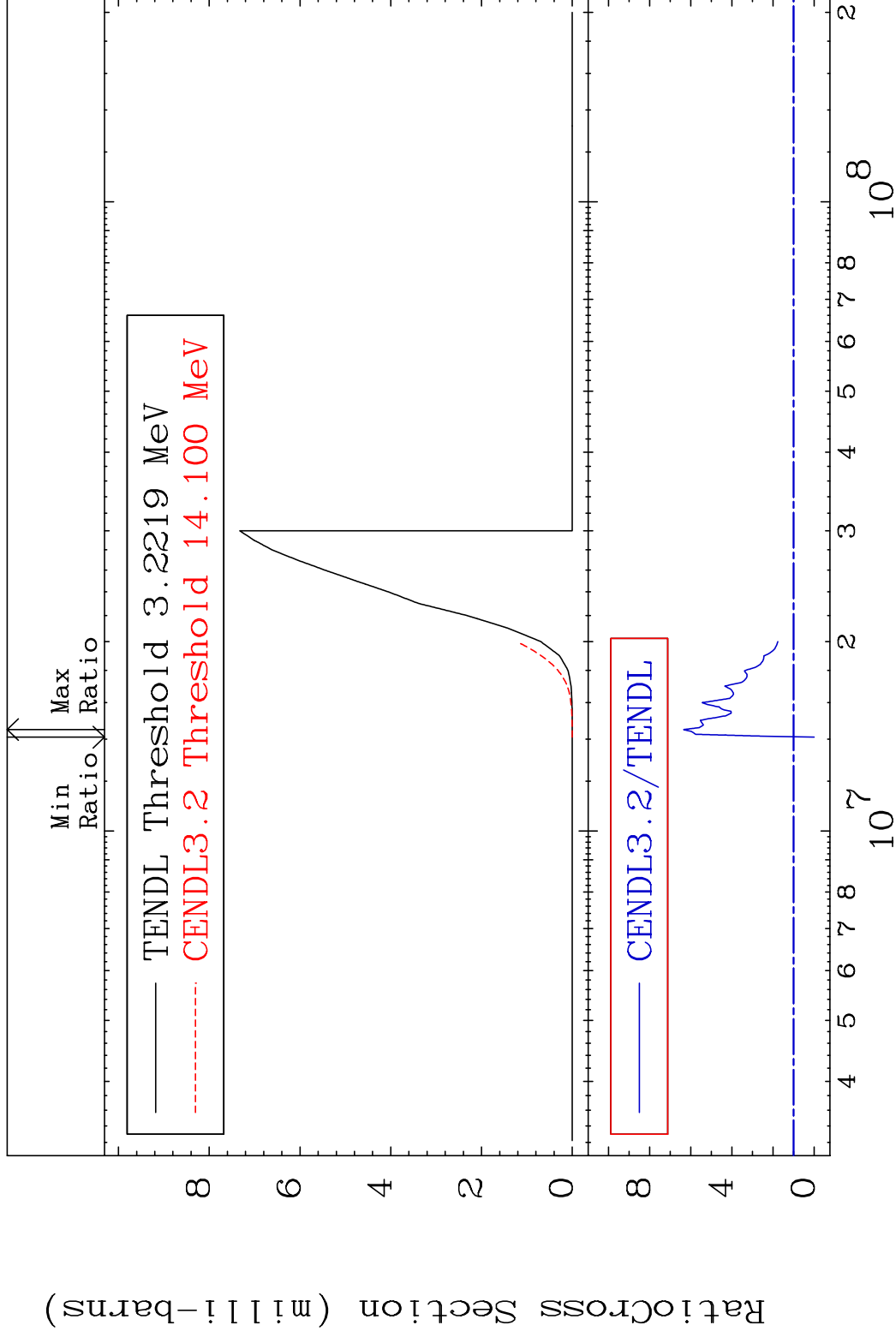
54-Xe-134

MAT 5455

(n, n')  $\alpha$

54-Xe-134

Cross Section -100.0 To 534.8 %



6

Incident Energy (eV)

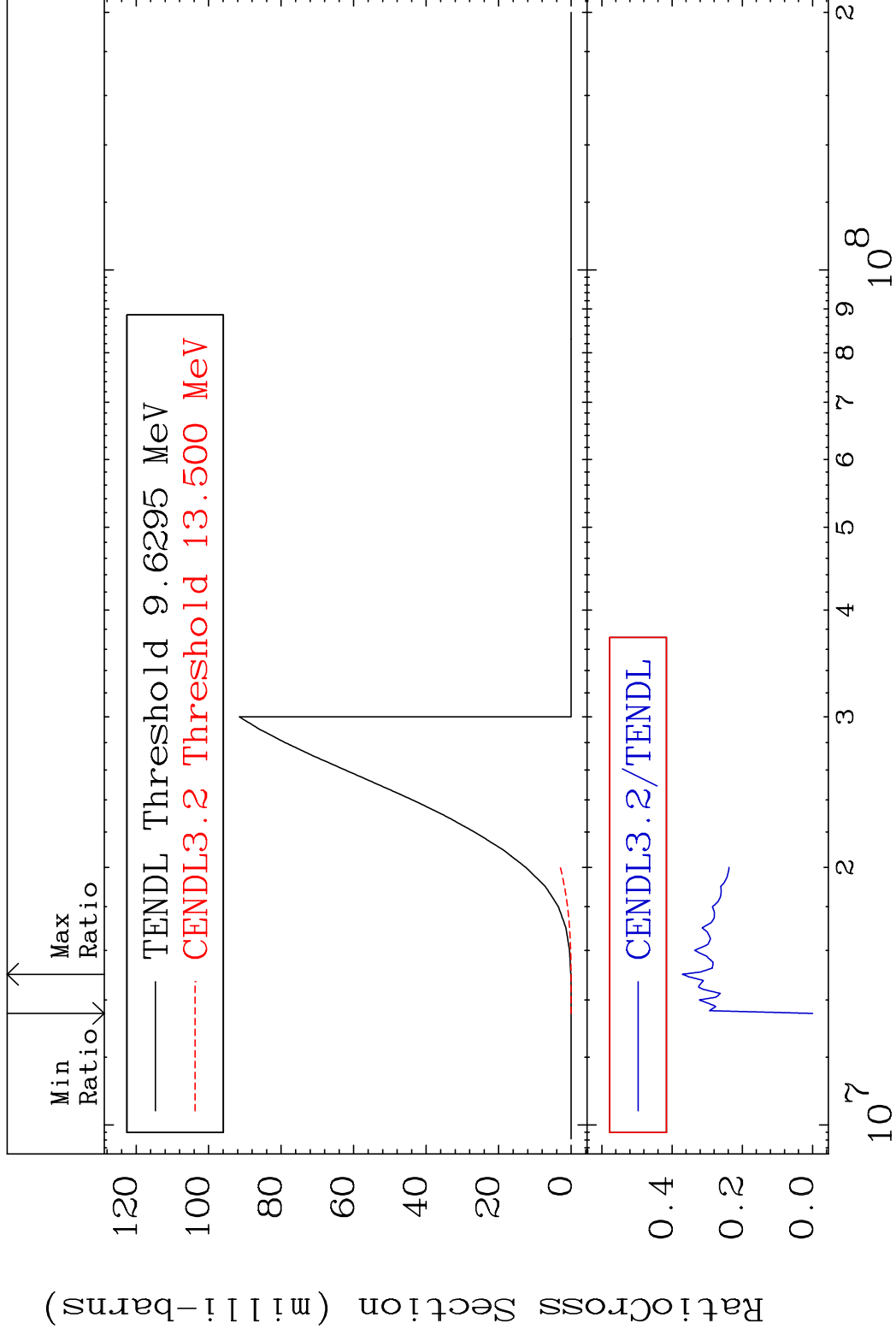
54-Xe-134

MAT 5455

(n, n') p

54-Xe-134

Cross Section -100.0 To -62.93%



7

Incident Energy (eV)

54-Xe-134

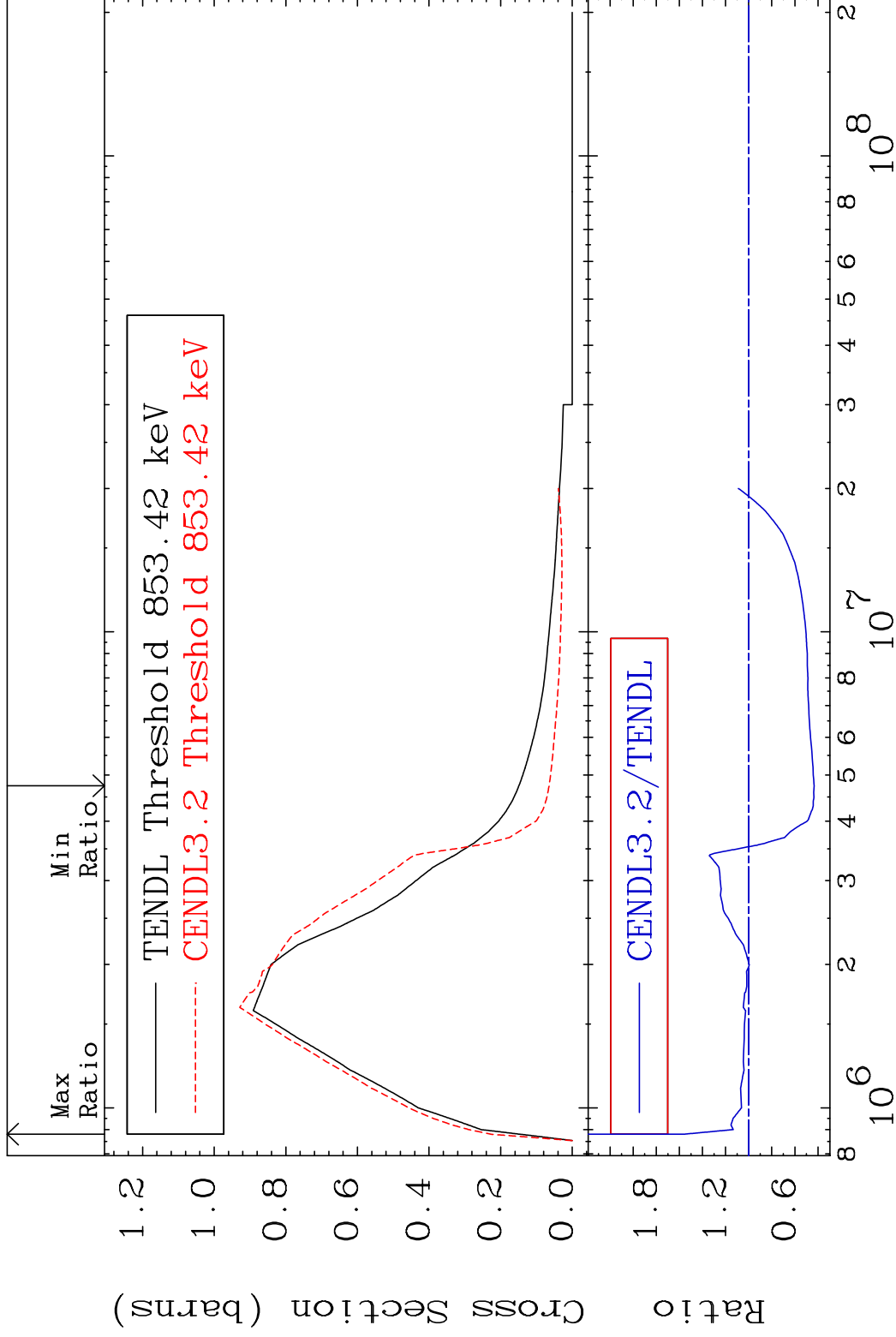


MAT 5455

MT= 51 (n,n') Level

54-Xe-134

Cross Section -56.67 To 56.29 %

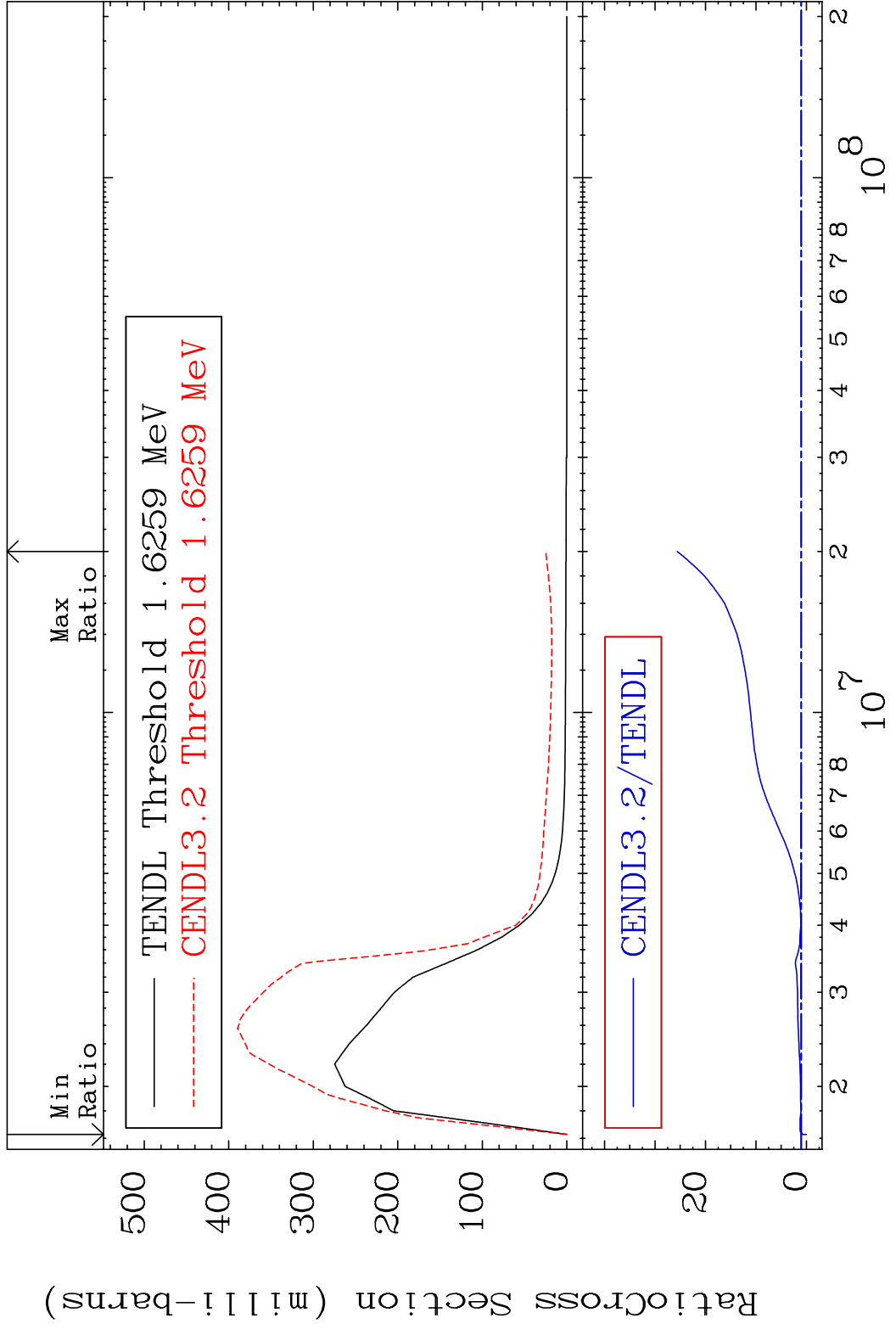


8

Incident Energy (eV)

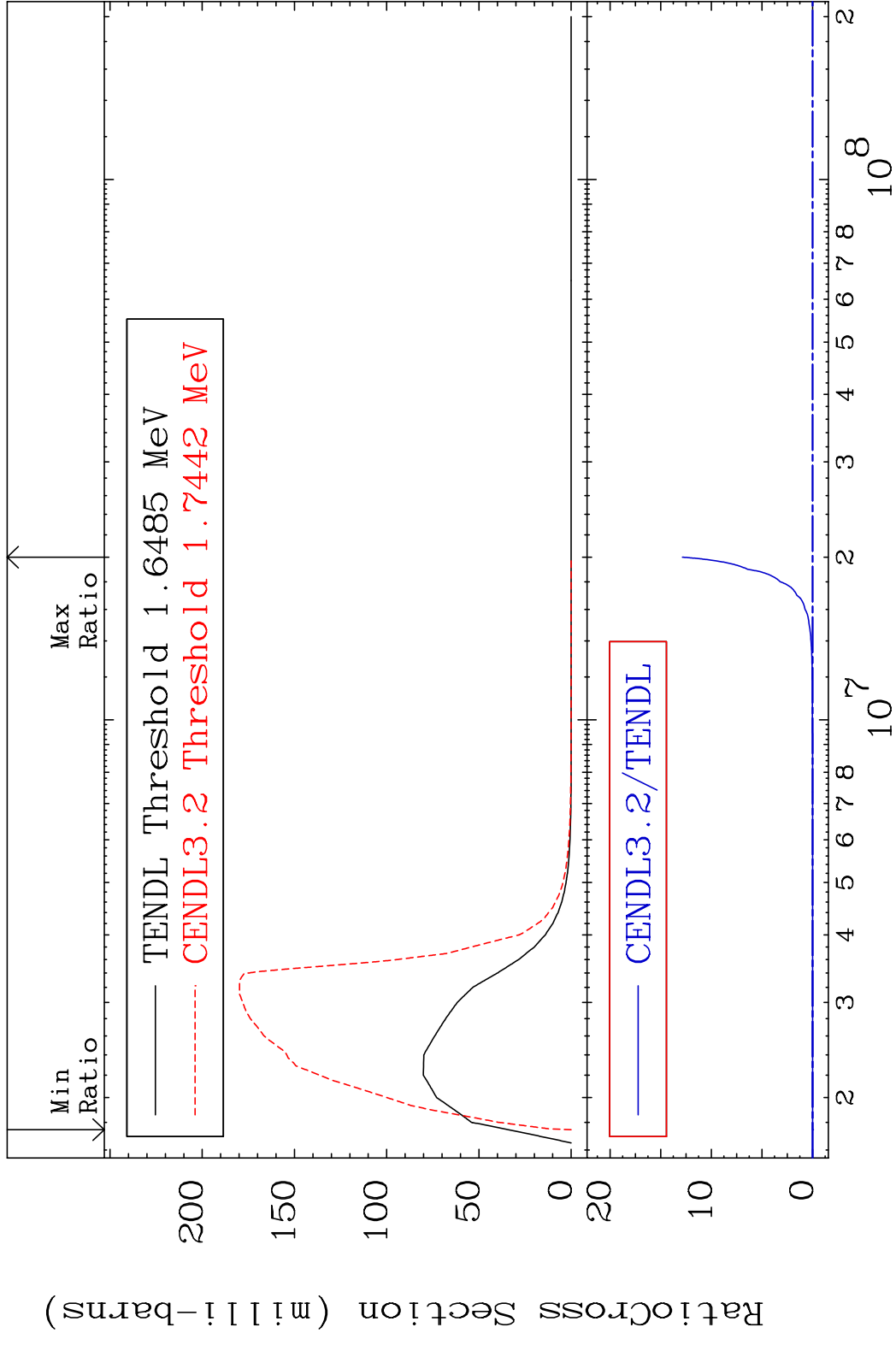
54-Xe-134

MAT 5455 MT= 52 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 2461. %



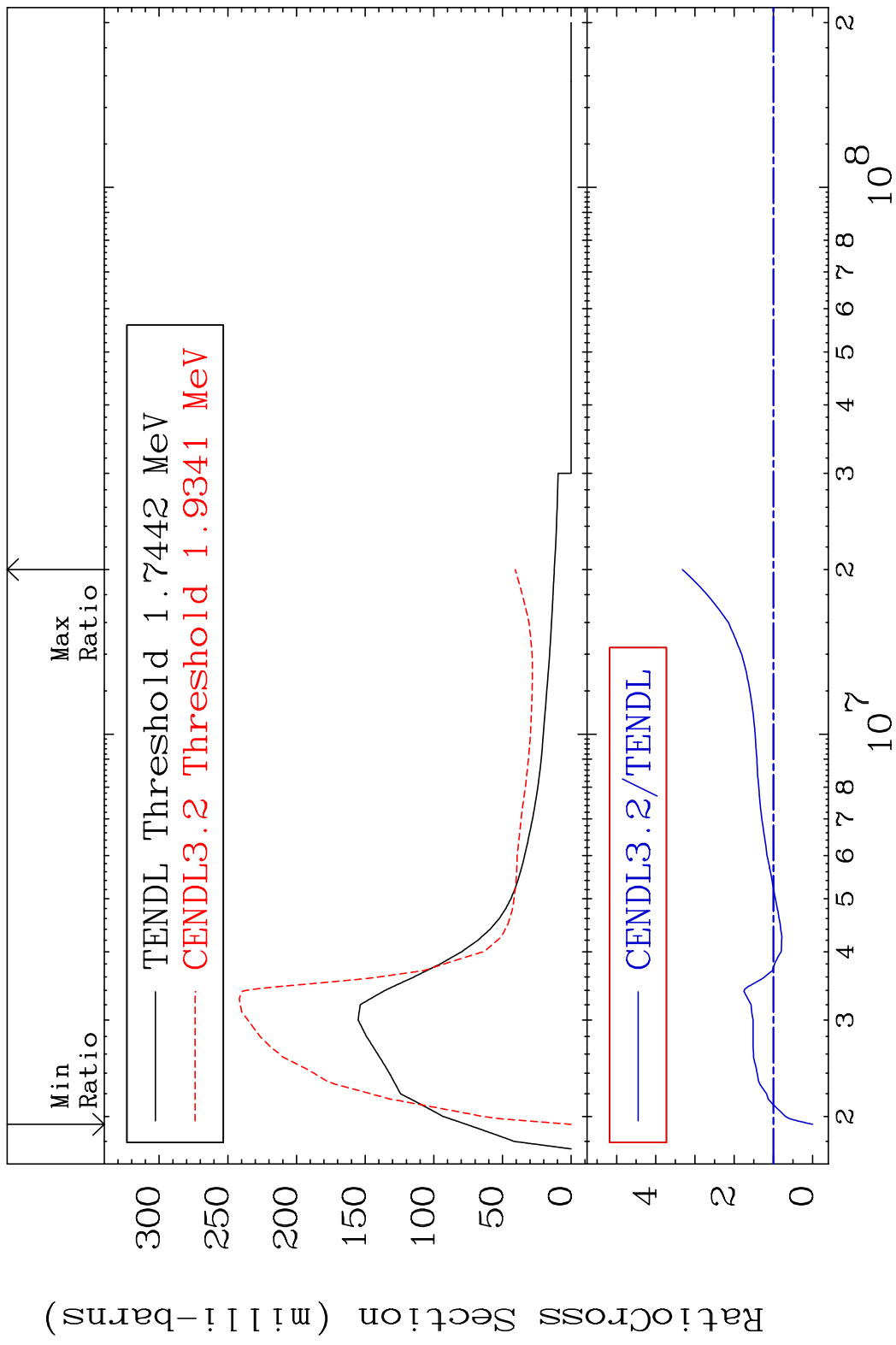
9 Incident Energy (eV) 54-Xe-134

MAT 5455 MT= 53 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %

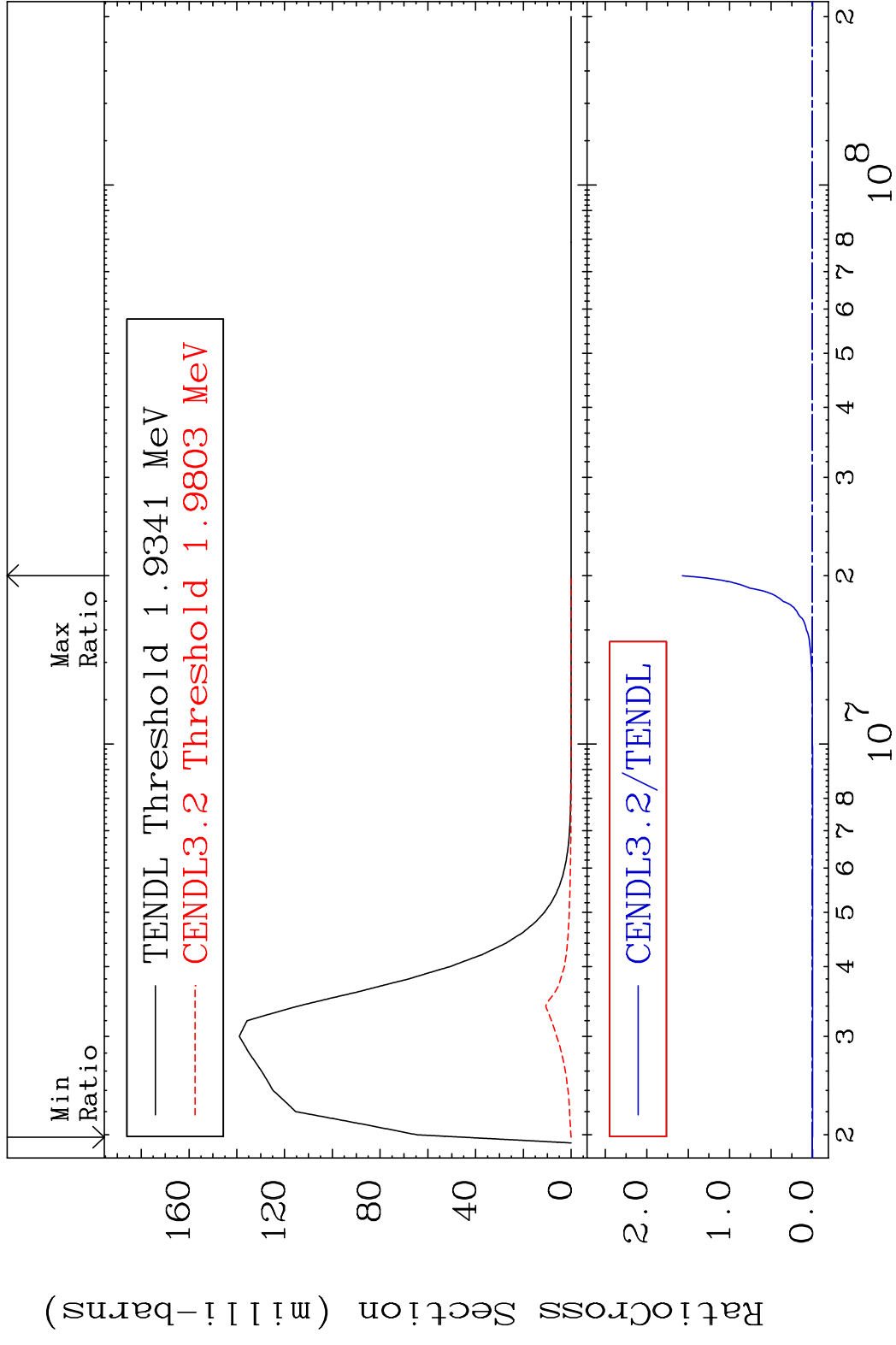


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 54-Xe-134

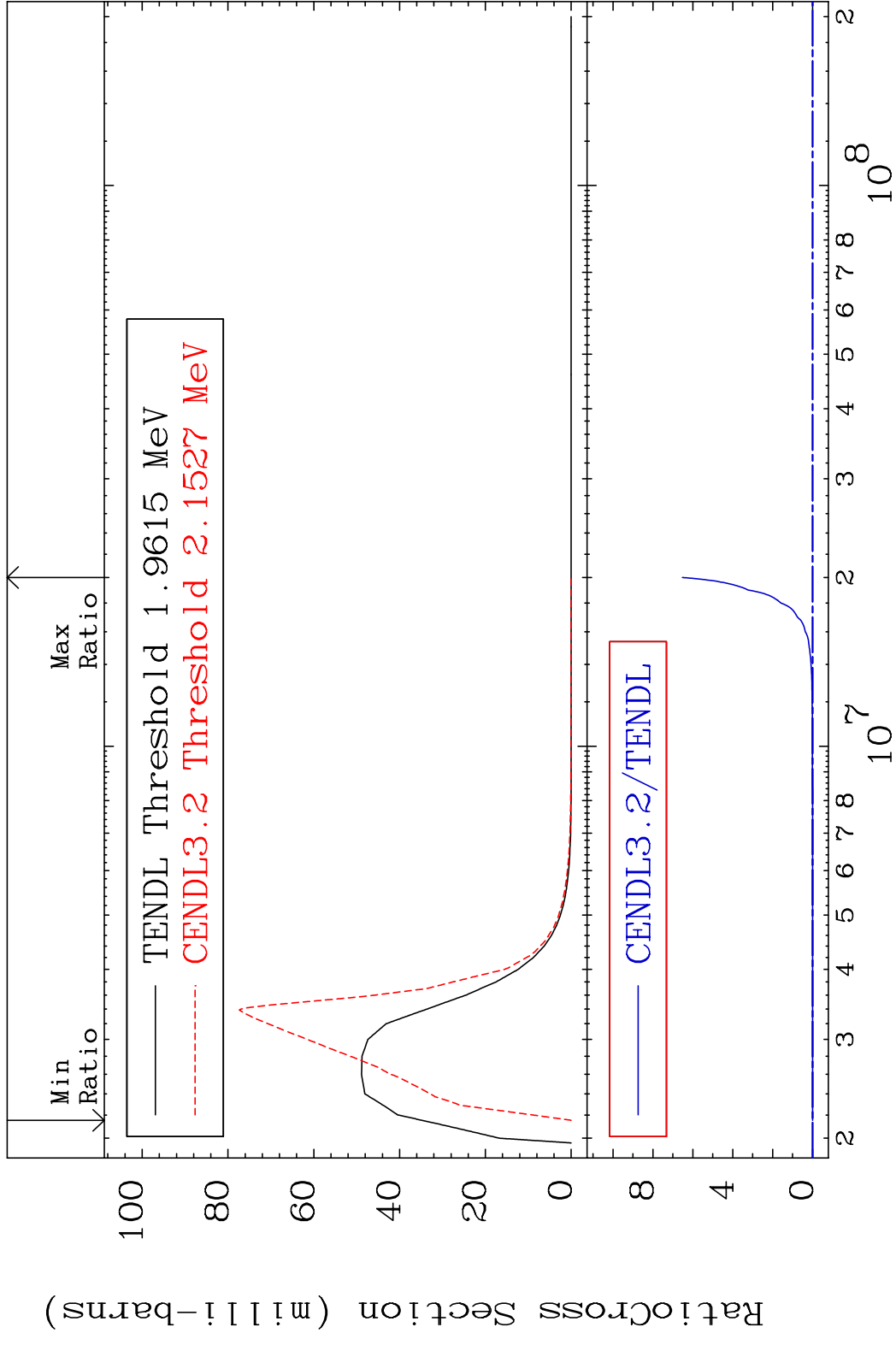
MAT 5455 MT= 54 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 232.2 %



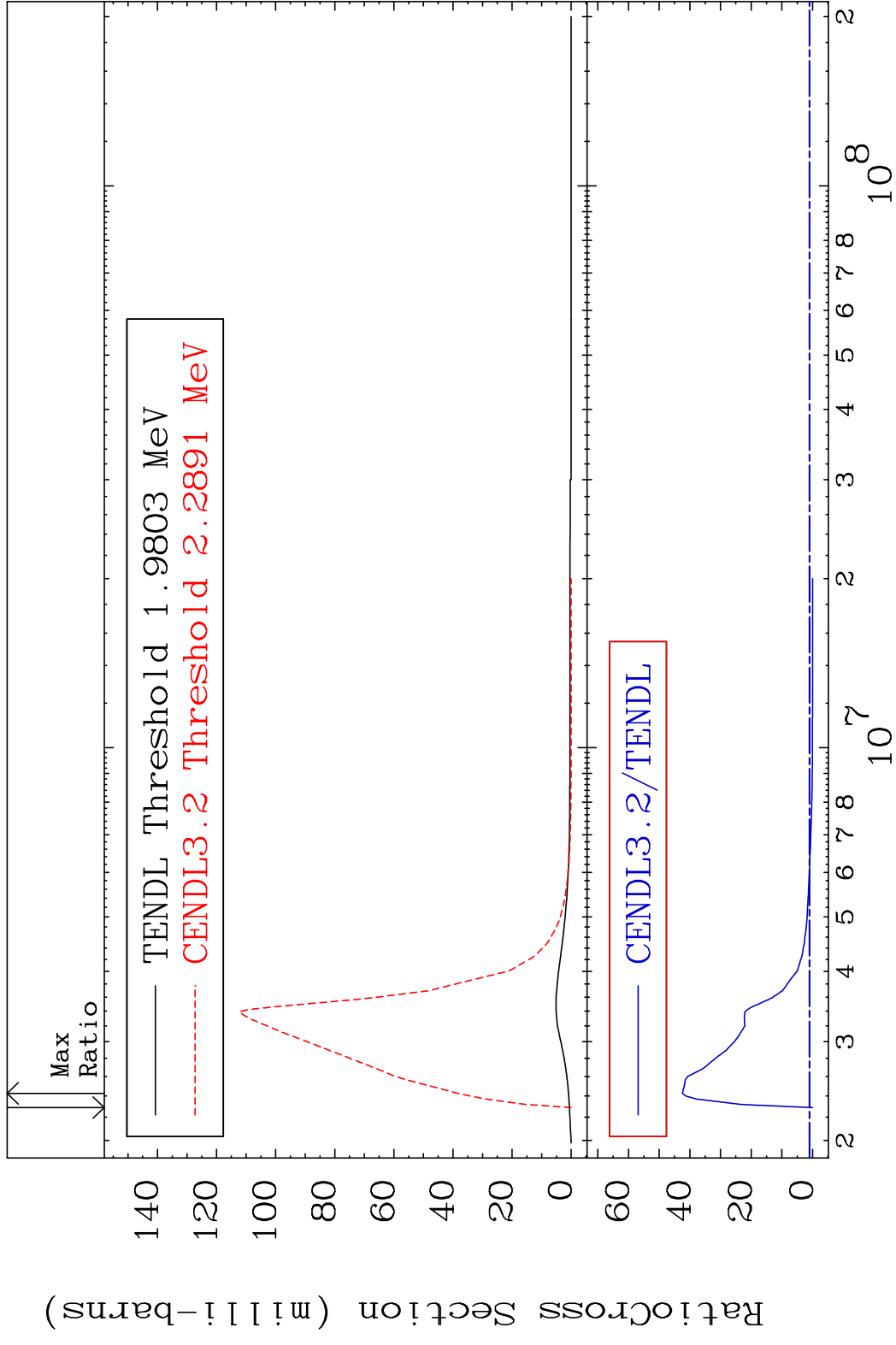
MAT 5455 MT= 55 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %



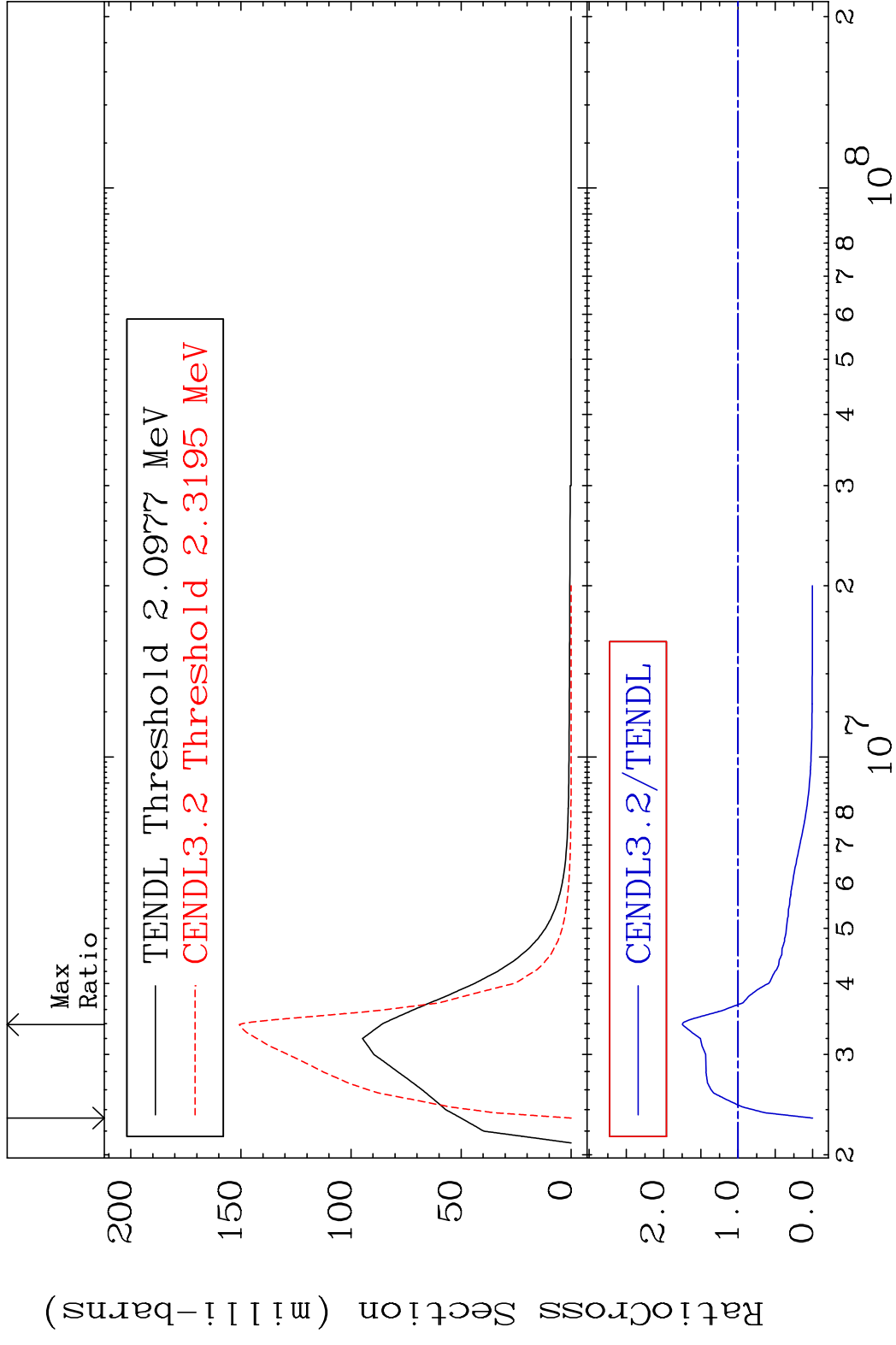
MAT 5455 MT= 56 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %



MAT 5455 MT= 57 (n,n') Level 54-Xe-134  
 Cross Section -100.0 To 4144. %

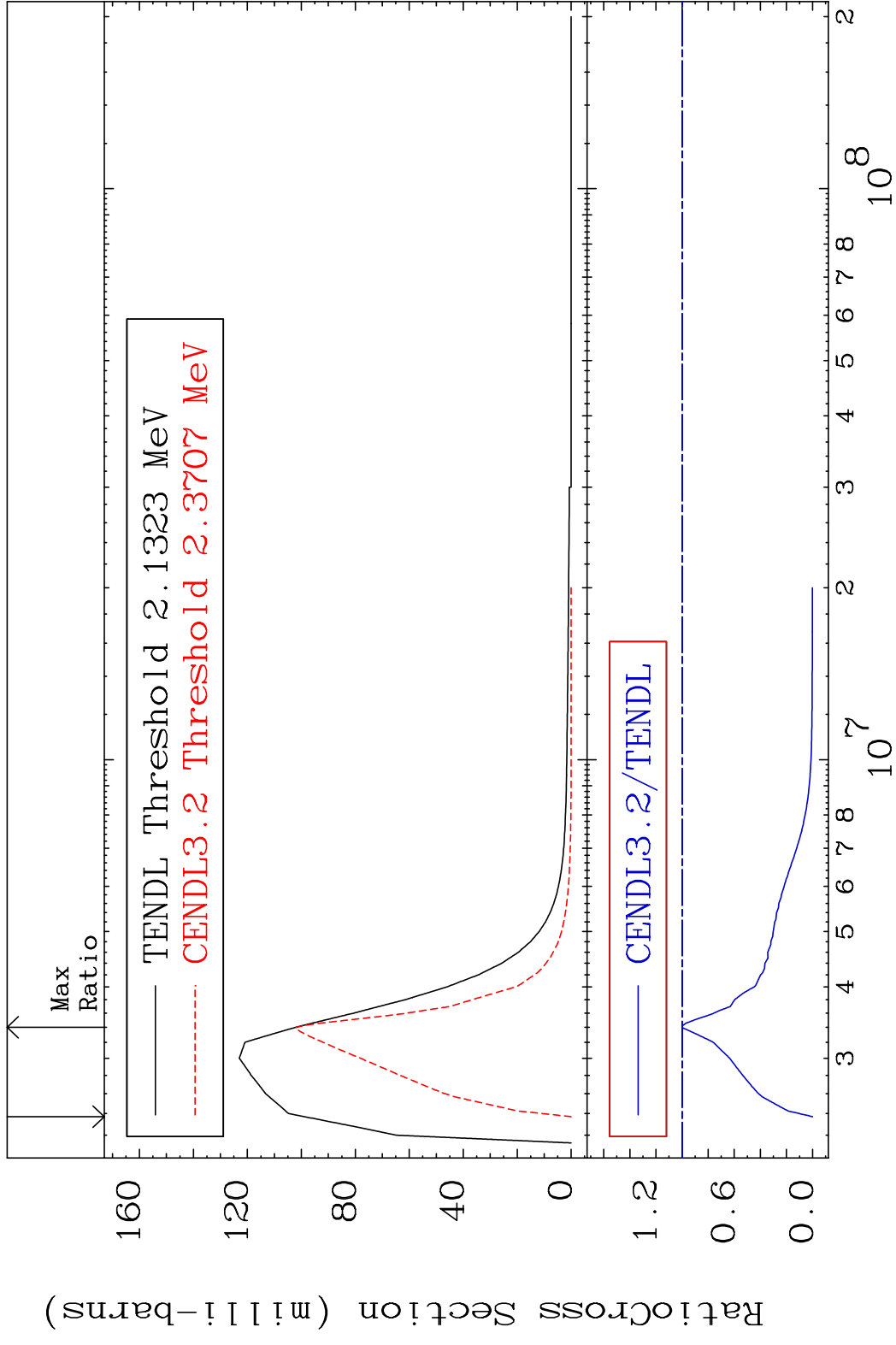


MAT 5455 MT= 58 (n,n') Level 54-Xe-134  
 Cross Section -100.0 To 74.81 %

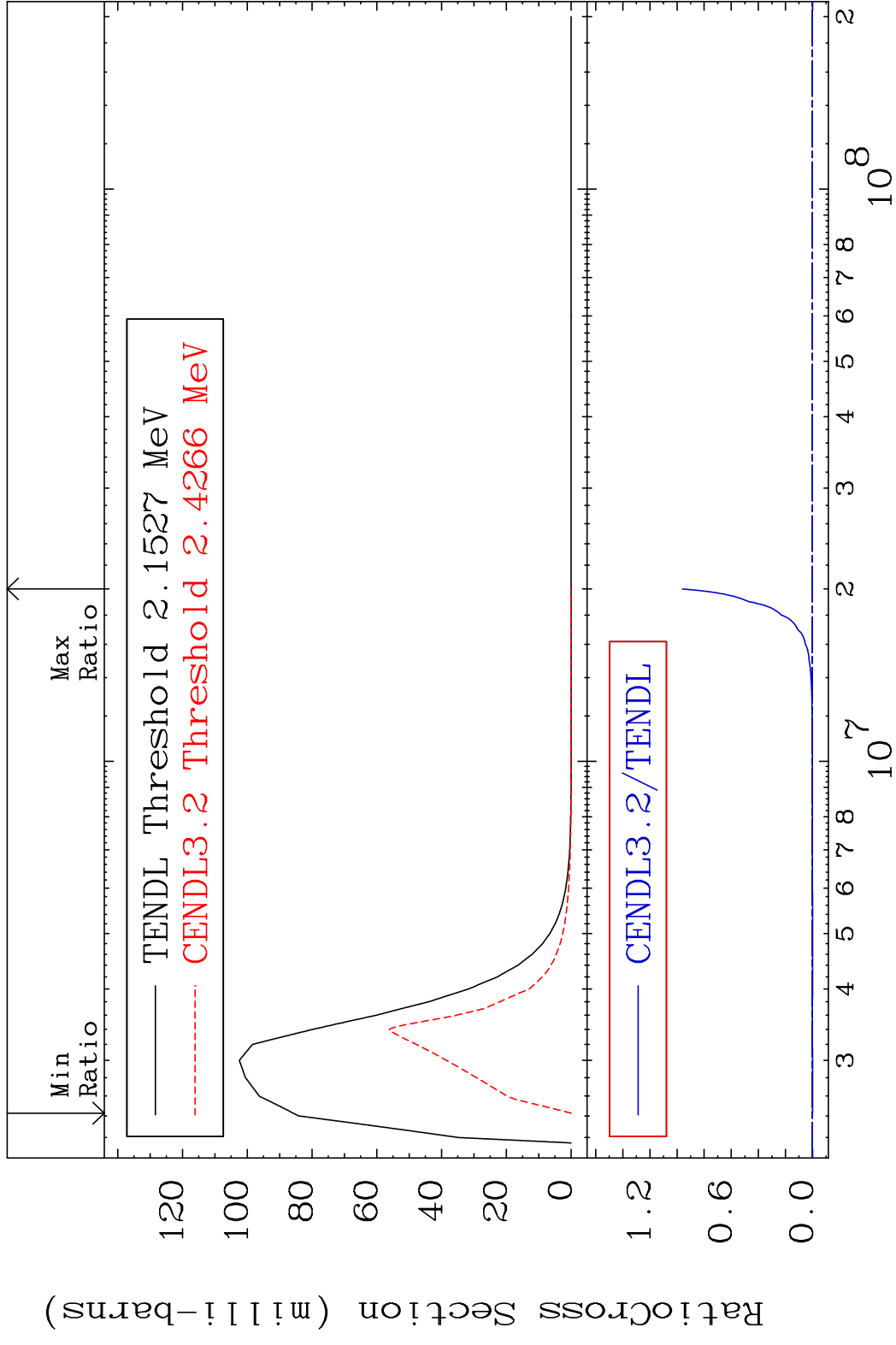




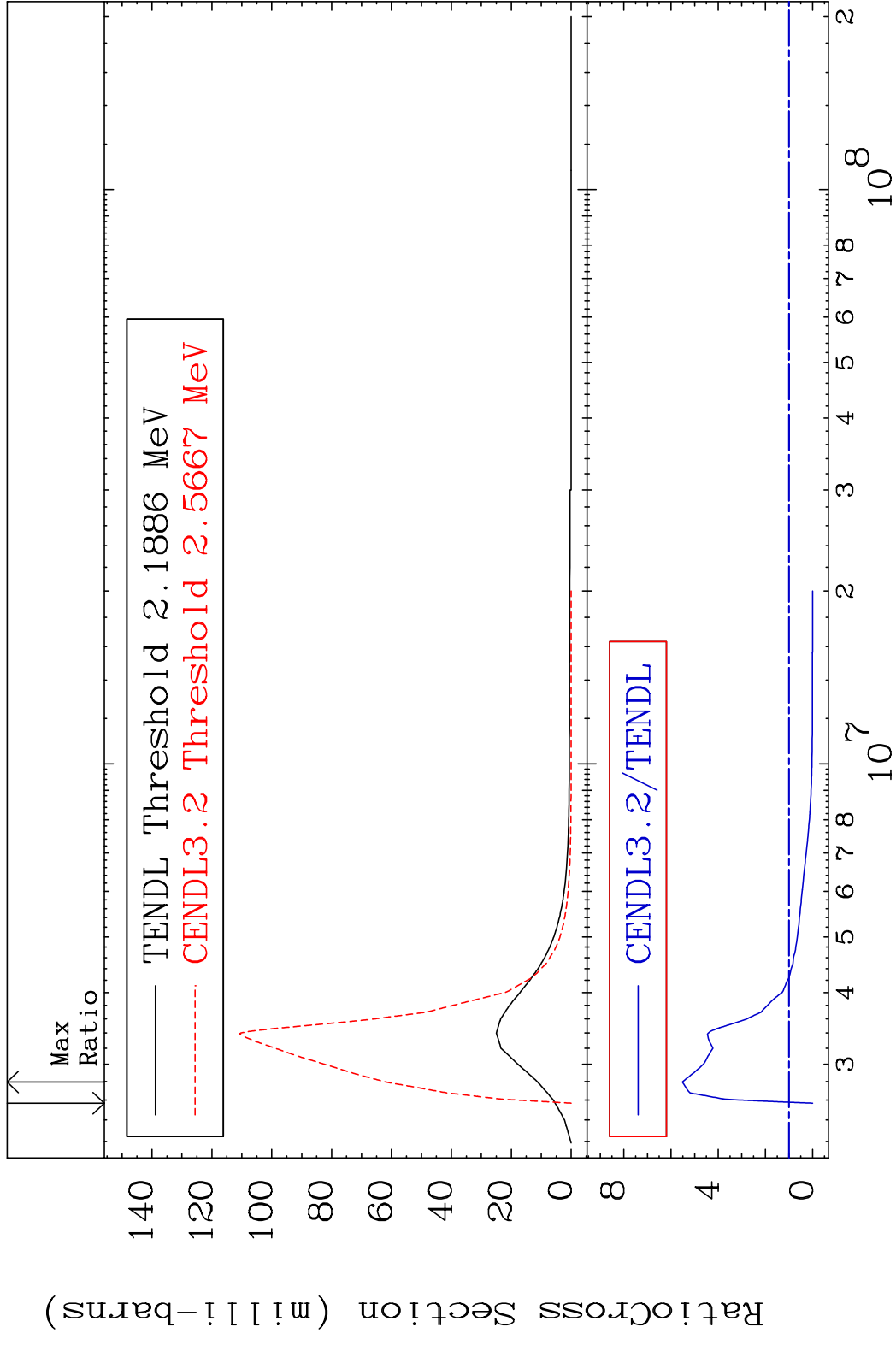
MAT 5455 MT= 59 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To -0.225%



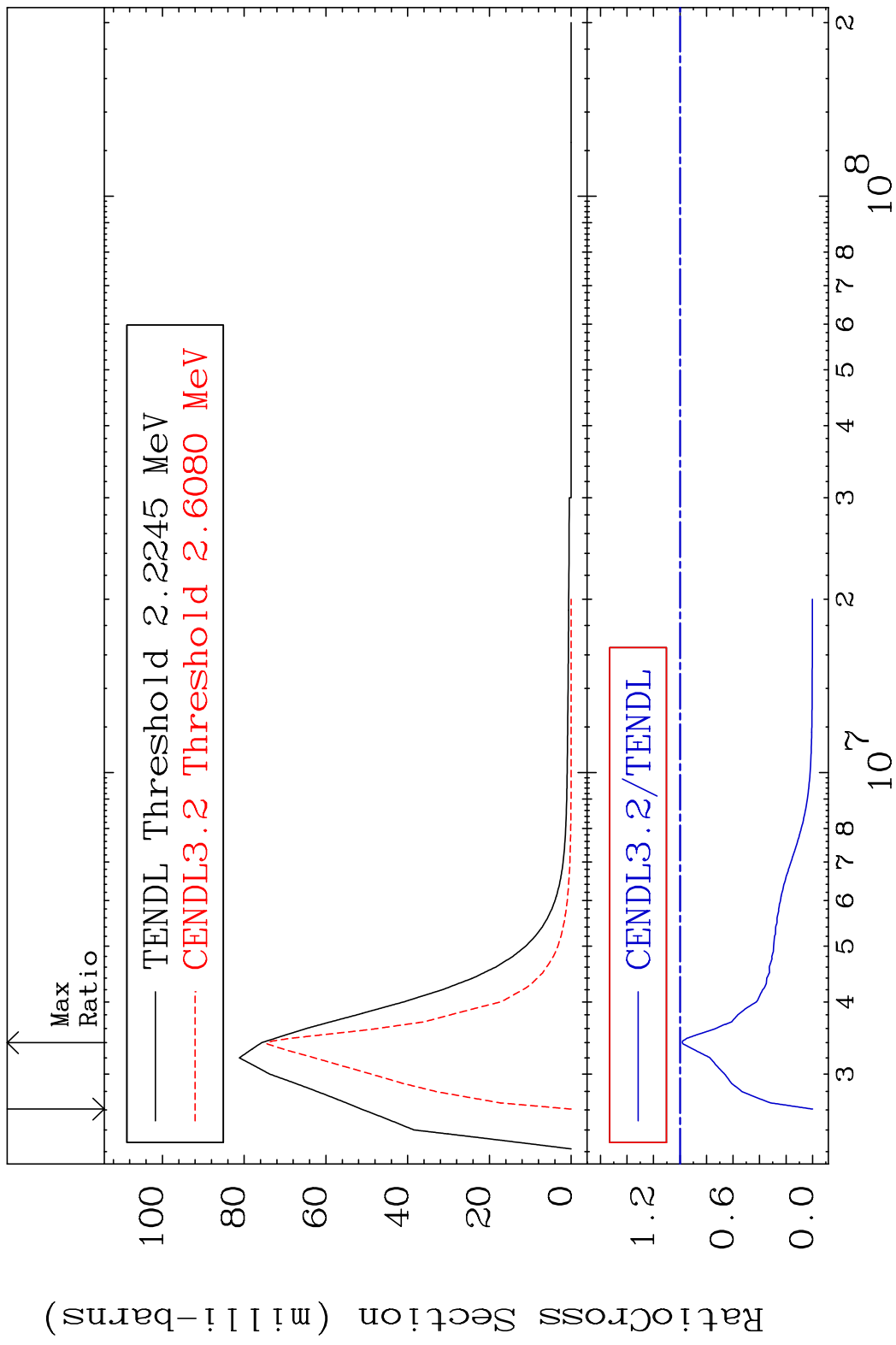
MAT 5455 MT= 60 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %



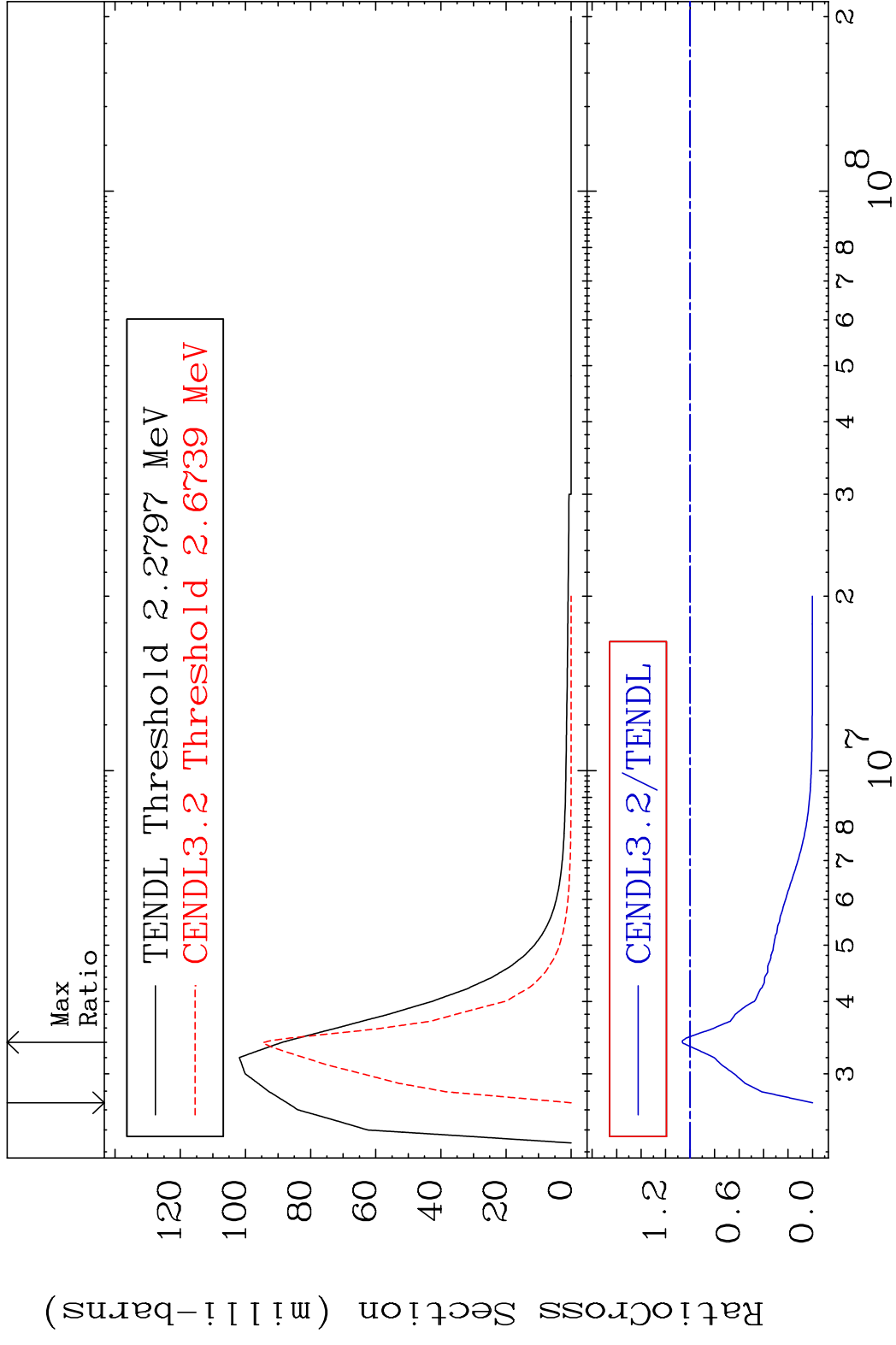
MAT 5455 MT= 61 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 451.9 %



MAT 5455 MT= 62 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To -1.746%

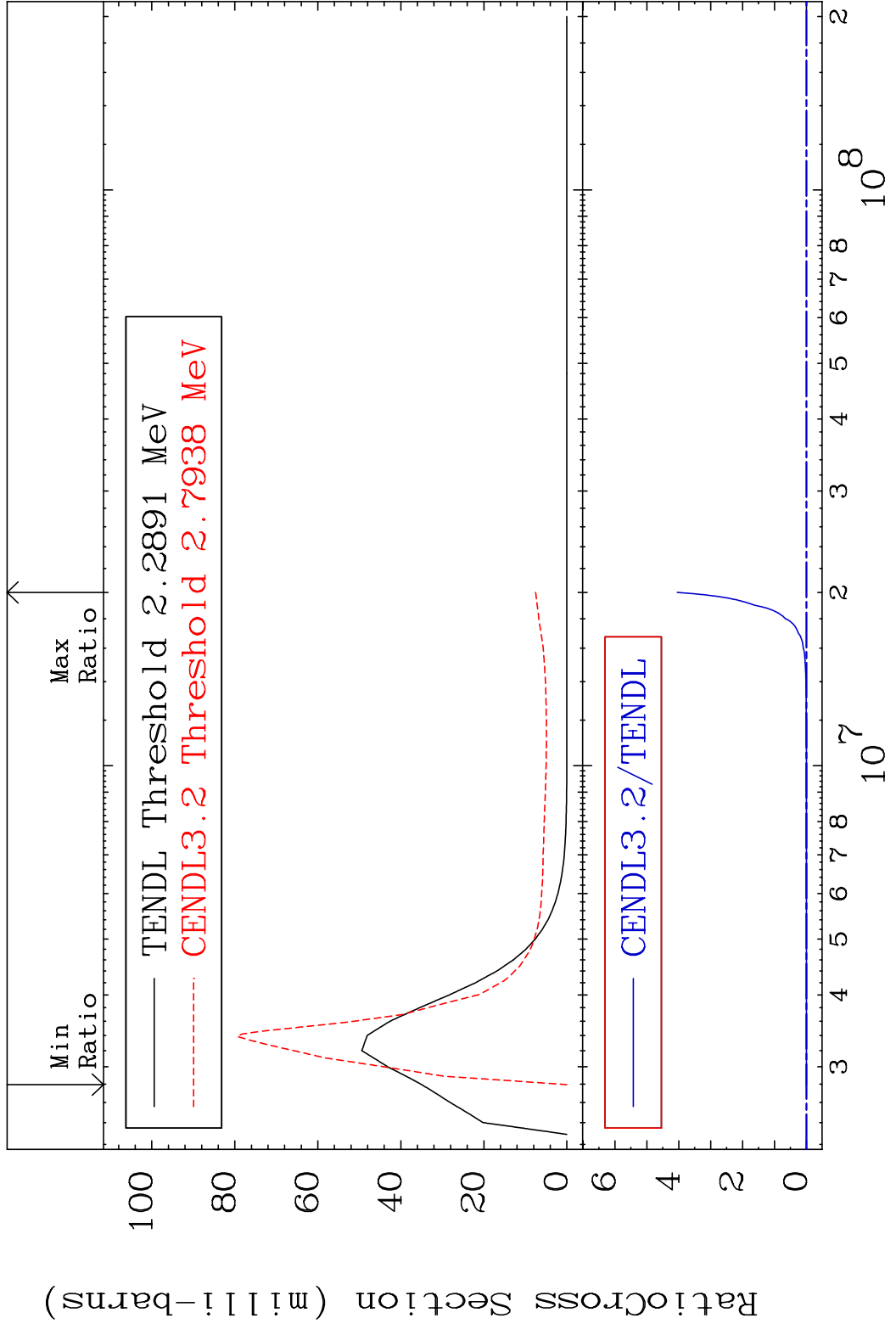


MAT 5455 MT= 63 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 6.321 %

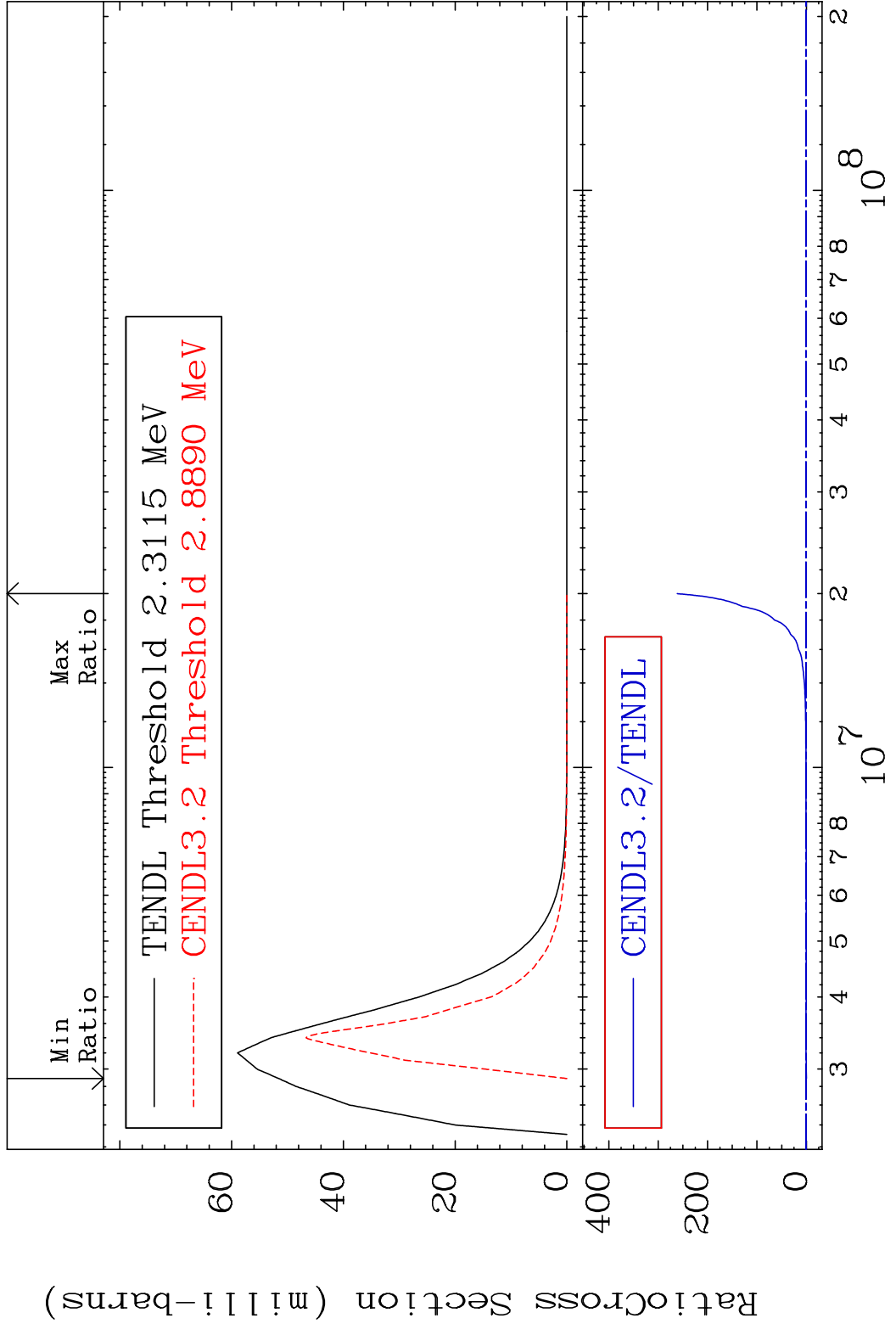


20 54-Xe-134

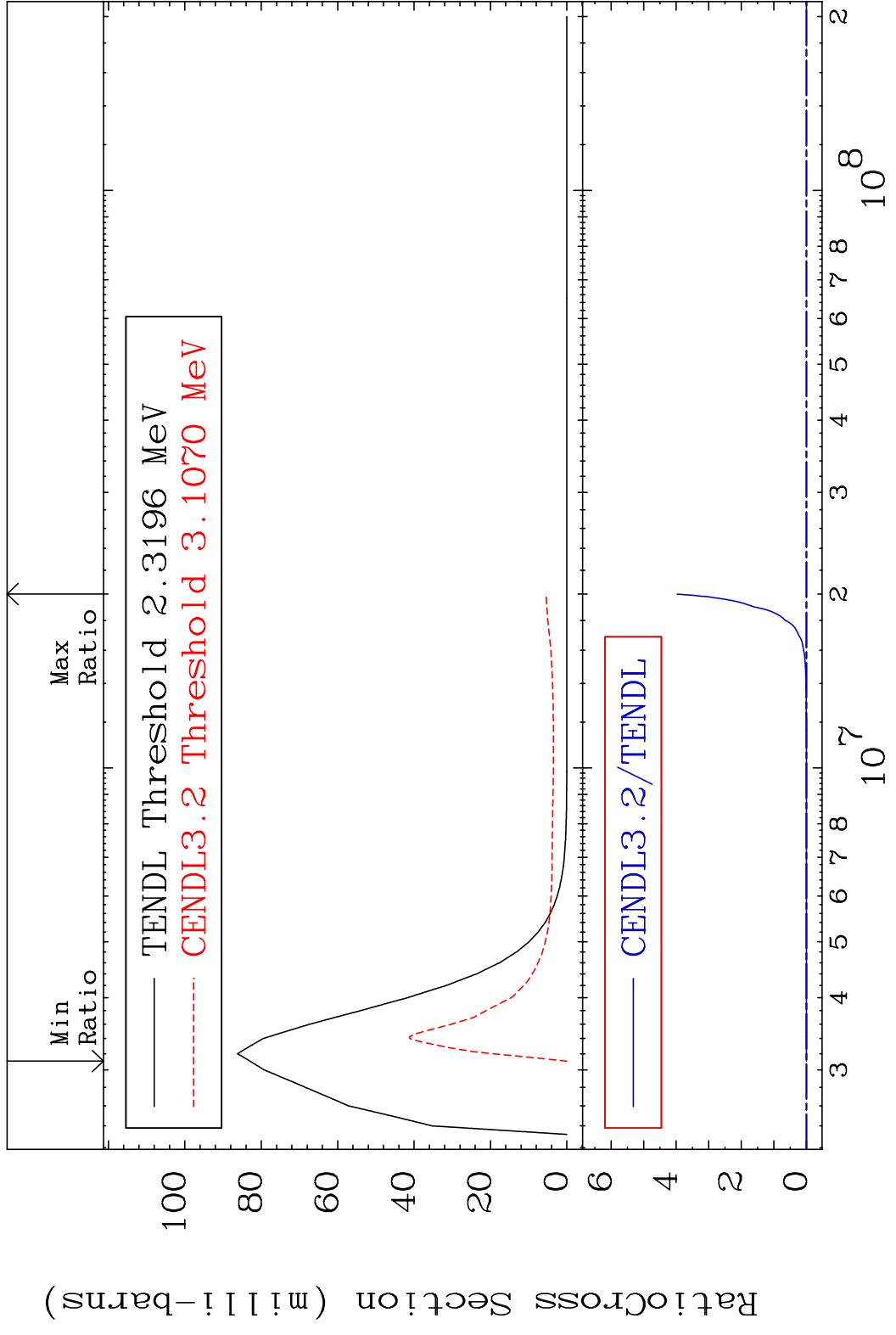
MAT 5455 MT= 64 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %



MAT 5455 MT= 65 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %

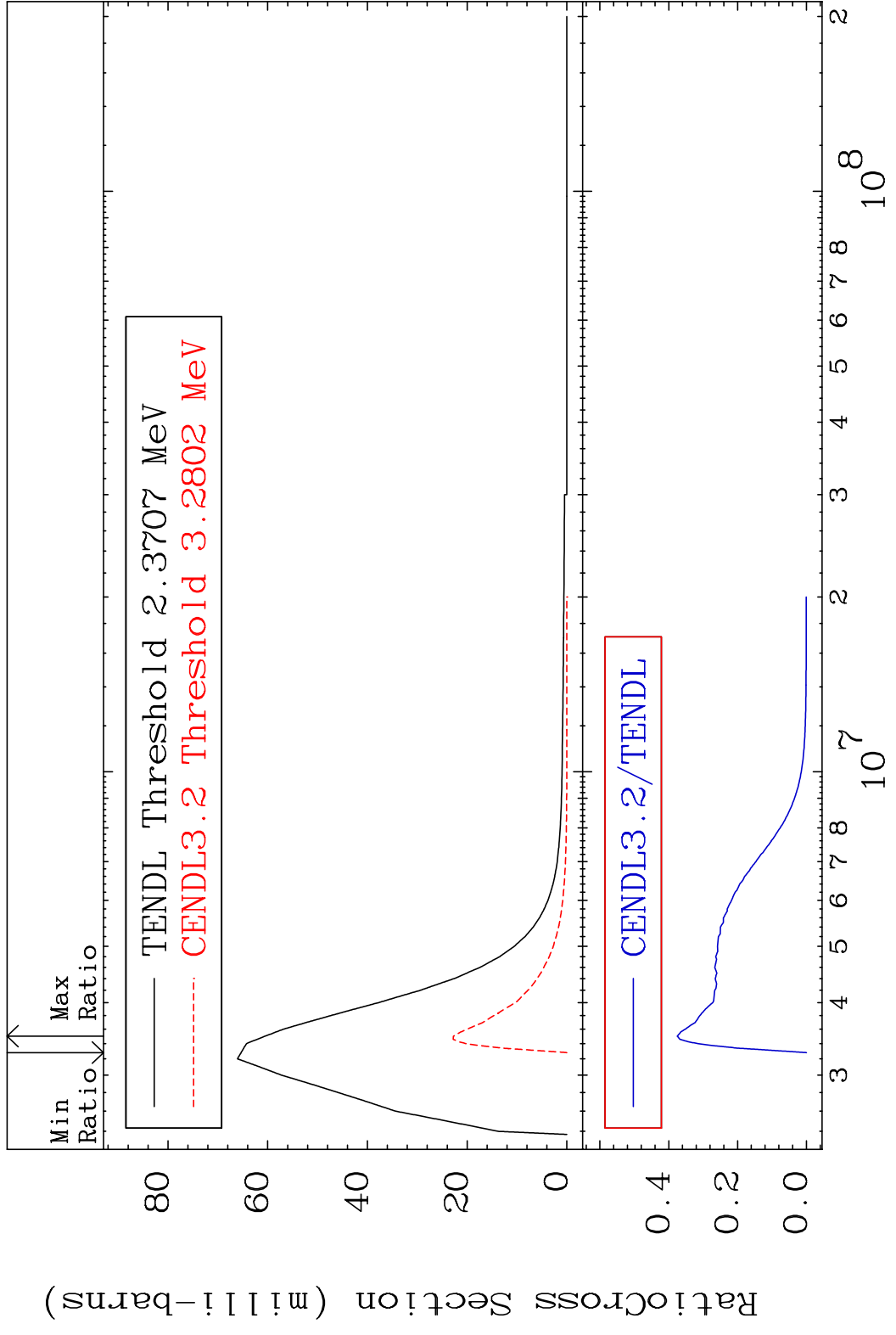


MAT 5455 MT= 66 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 9999. %

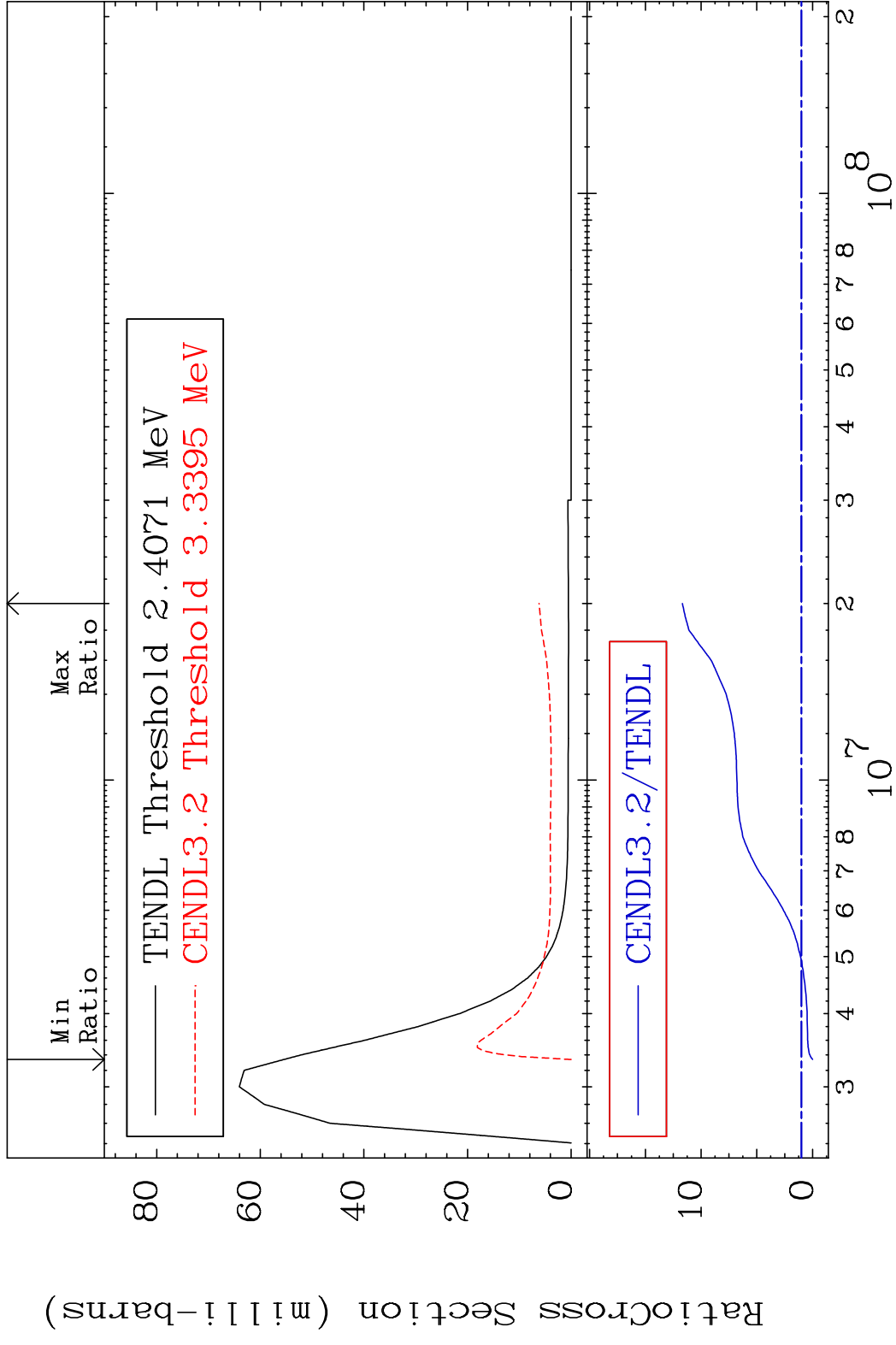




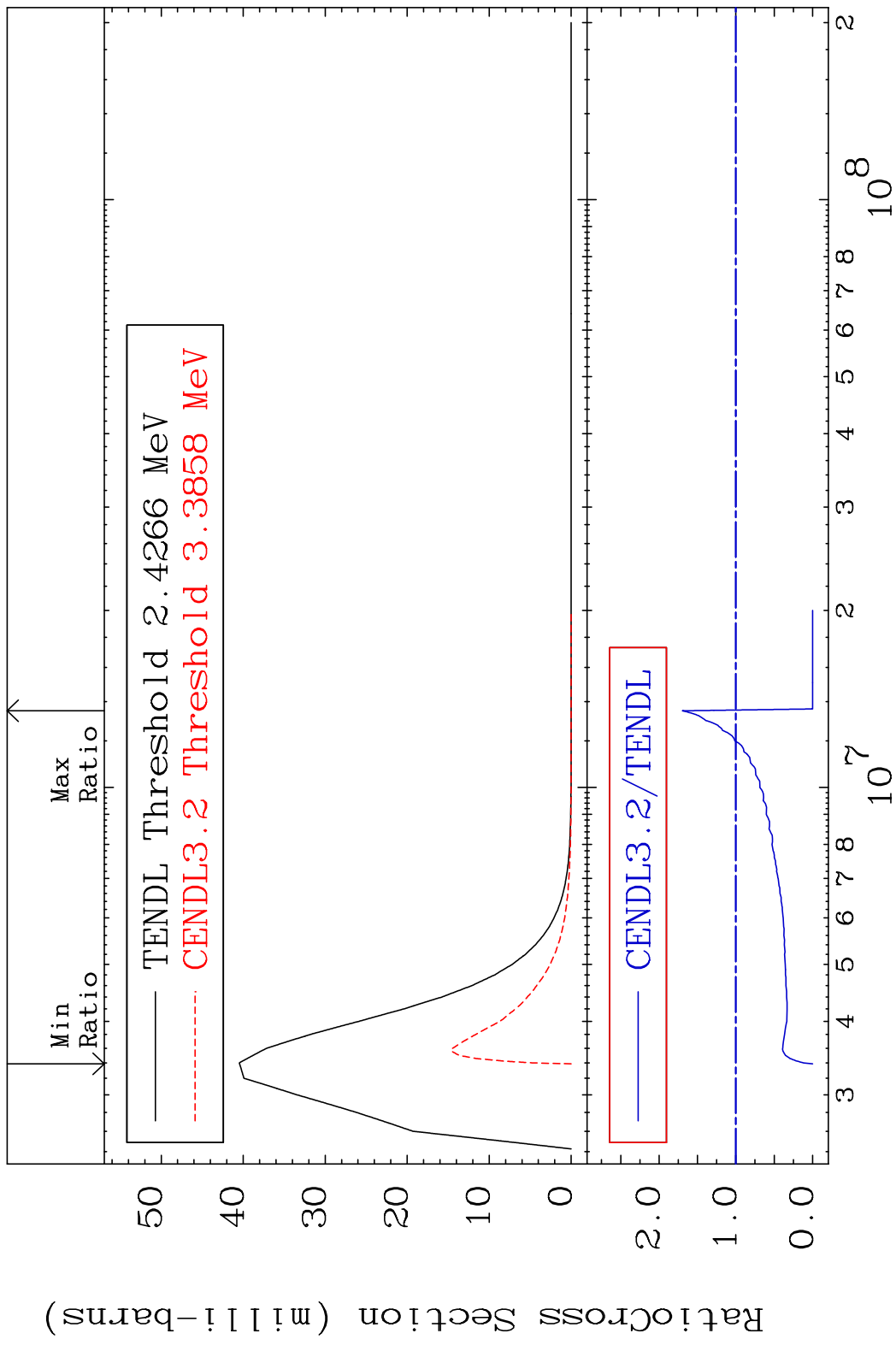
MAT 5455 MT= 67 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To -62.45%



MAT 5455 MT= 68 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 1068. %



MAT 5455 MT= 69 (n, n') Level 54-Xe-134  
 Cross Section -100.0 To 69.67 %

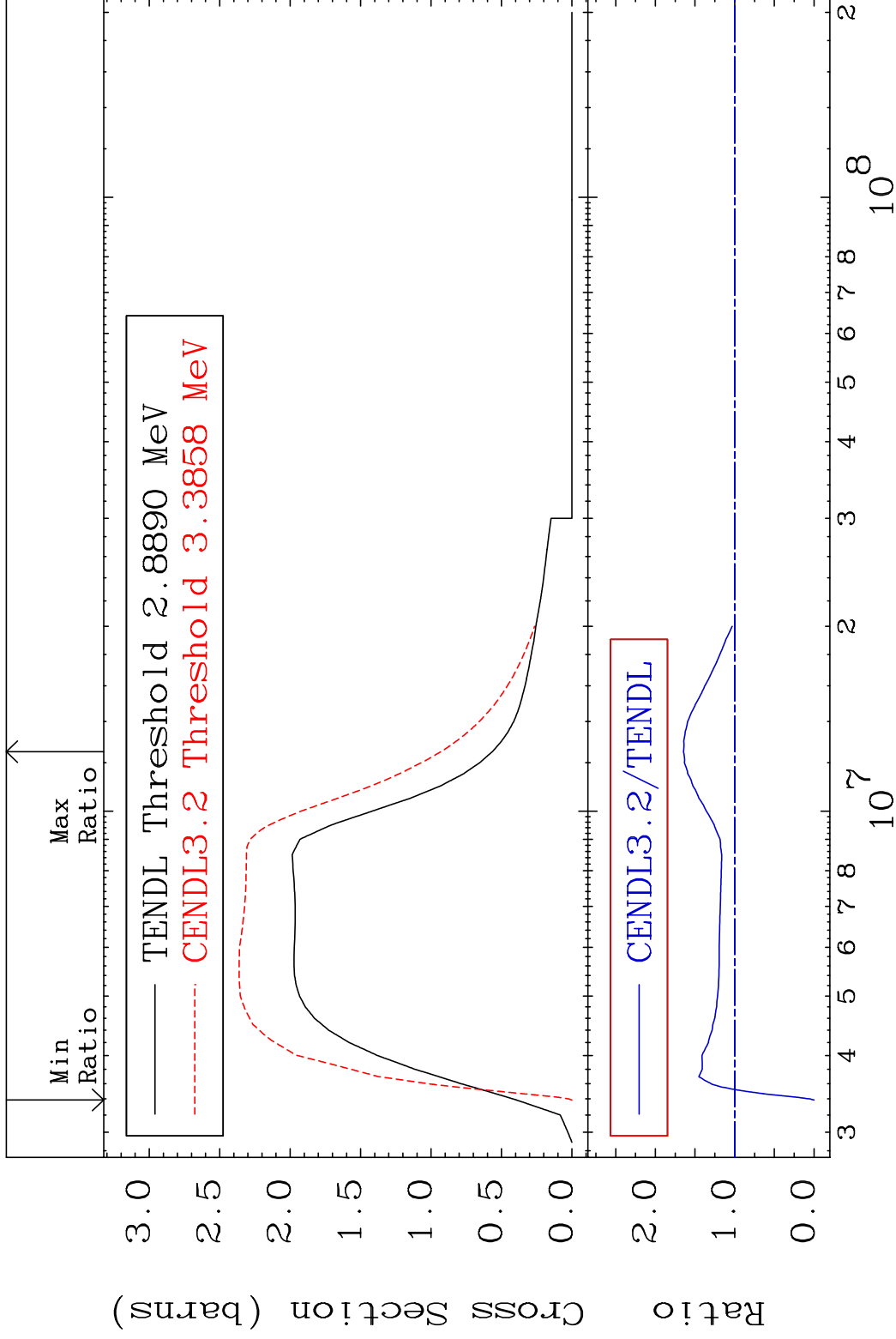


MAT 5455

(n, n') Continuum

54-Xe-134

Cross Section -100.0 To 64.60 %



27

Incident Energy (eV)

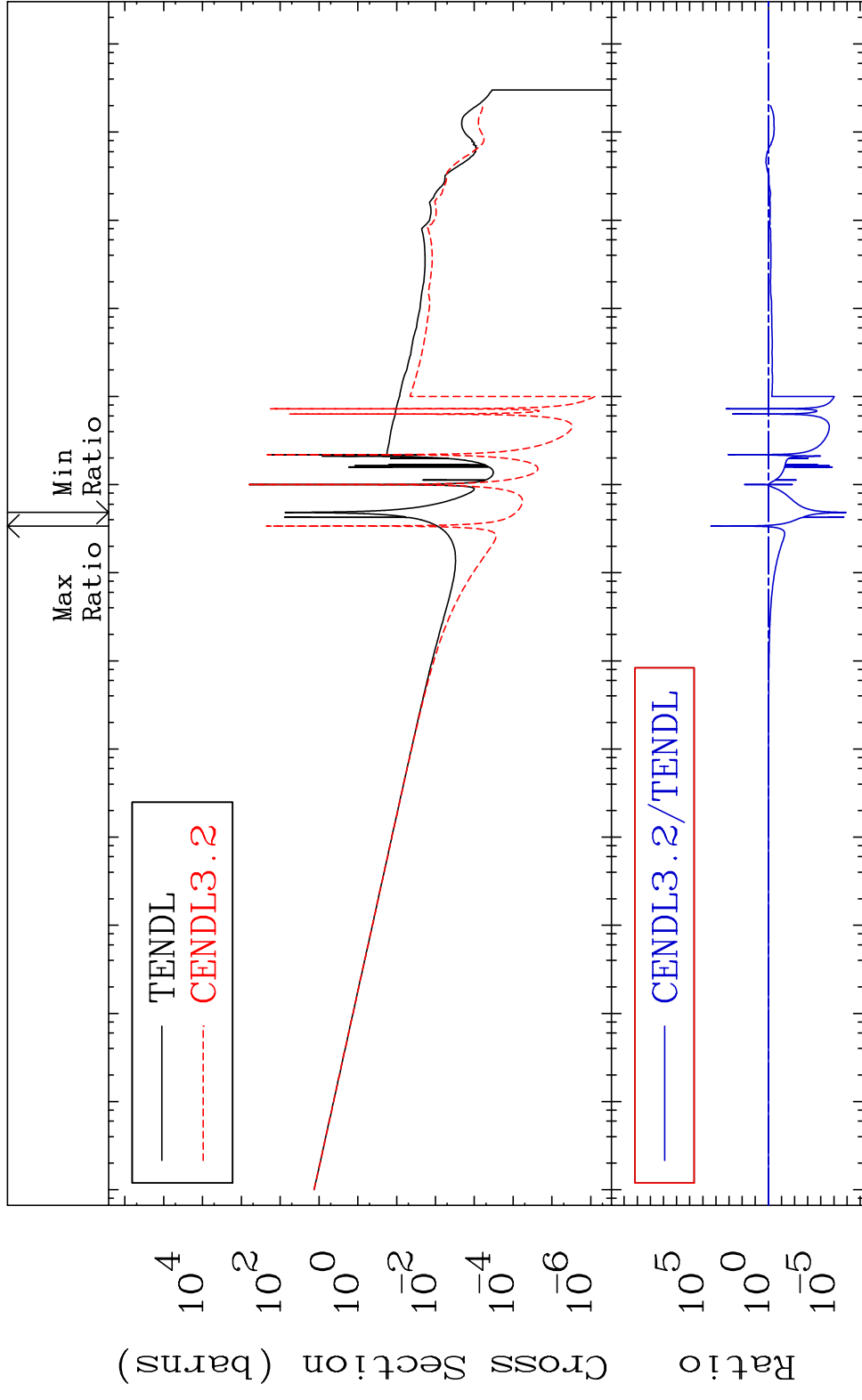
54-Xe-134

MAT 5455

54-Xe-134

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %

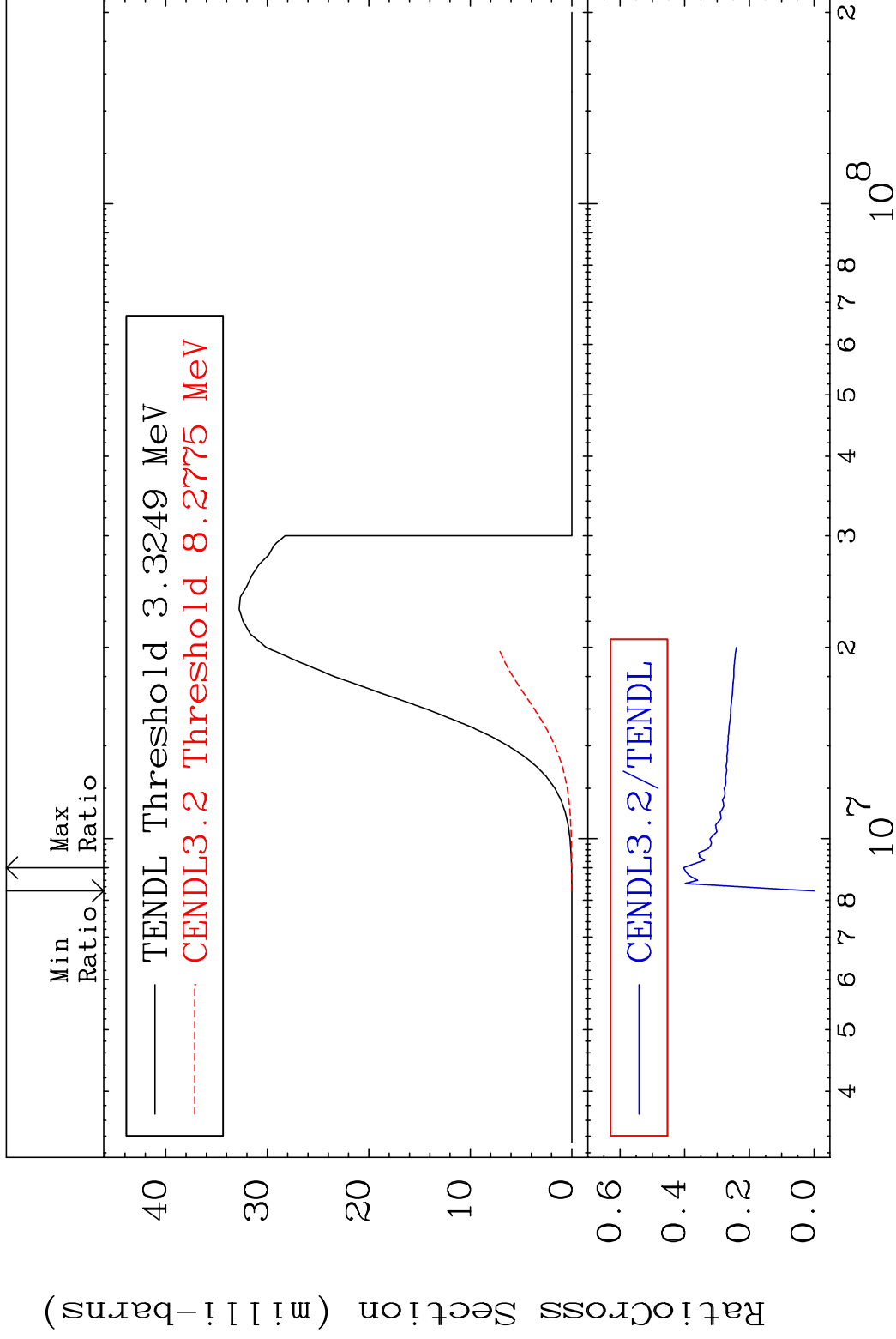


MAT 5455

(n,p)

54-Xe-134

Cross Section -100.0 To -59.62%



29

Incident Energy (eV)

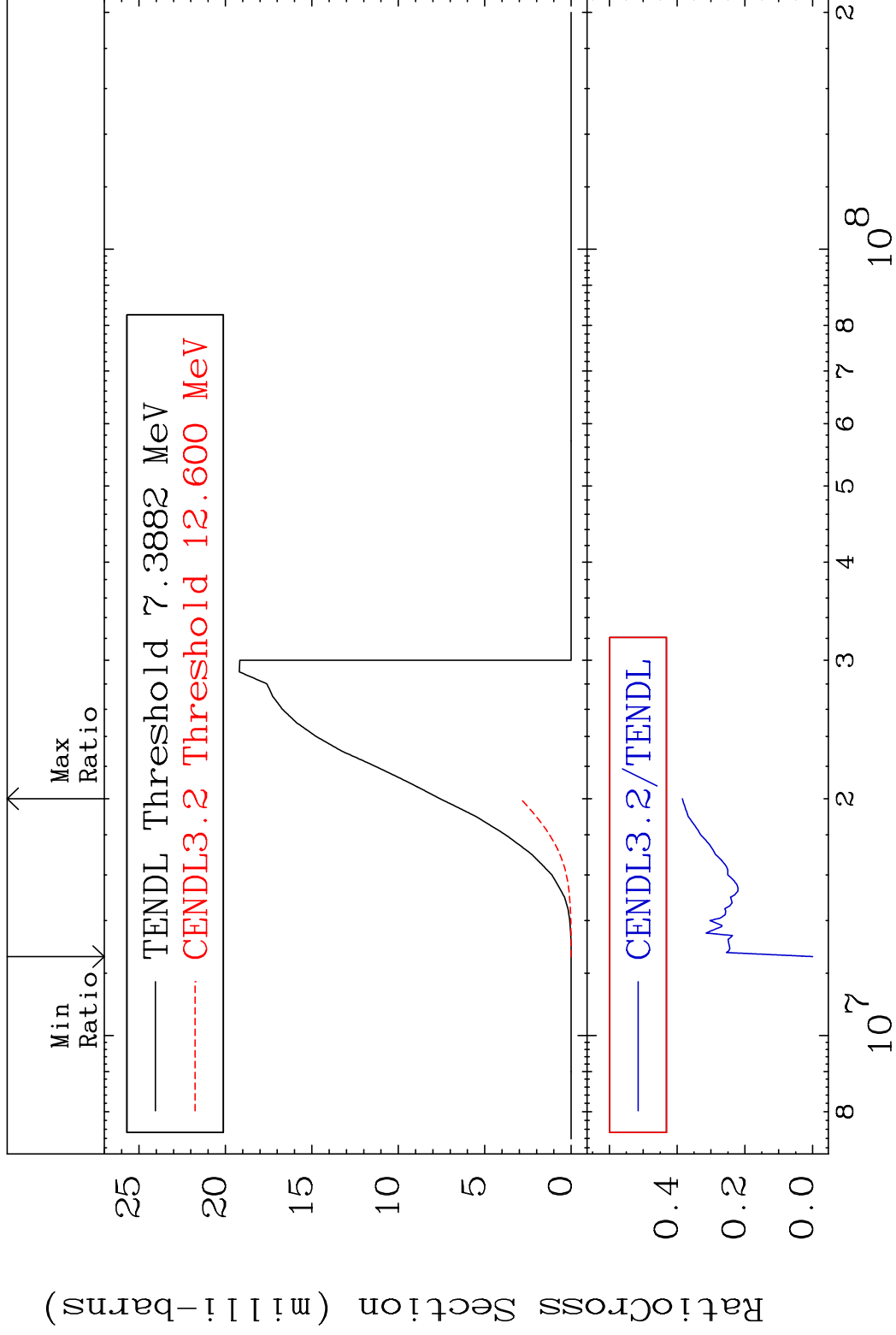
54-Xe-134

MAT 5455

(n,d)

54-Xe-134

Cross Section -100.0 To -61.55%



30

Incident Energy (eV)

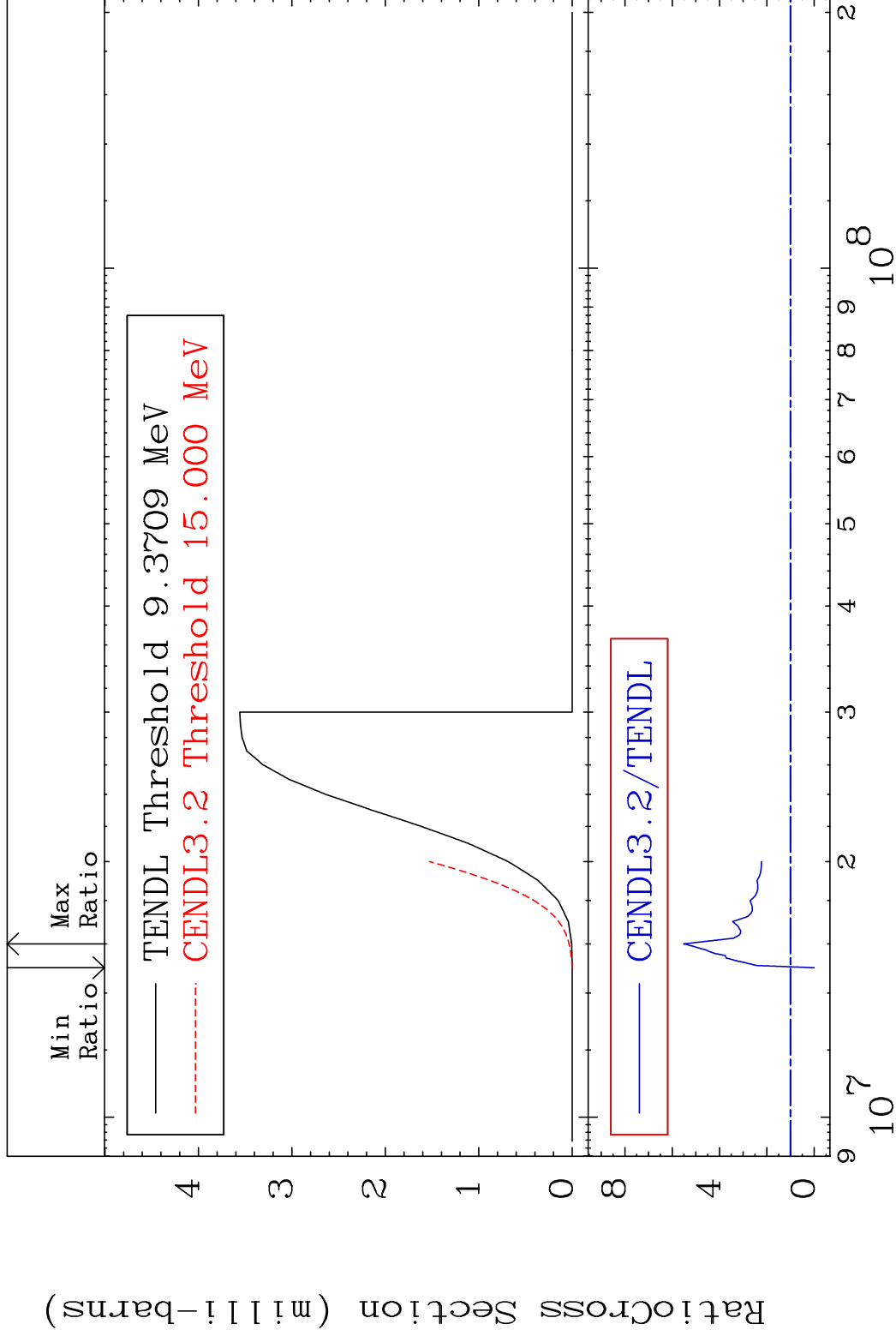
54-Xe-134

MAT 5455

(n, t)

54-Xe-134

Cross Section -100.0 To 451.5 %



31

Incident Energy (eV)

54-Xe-134

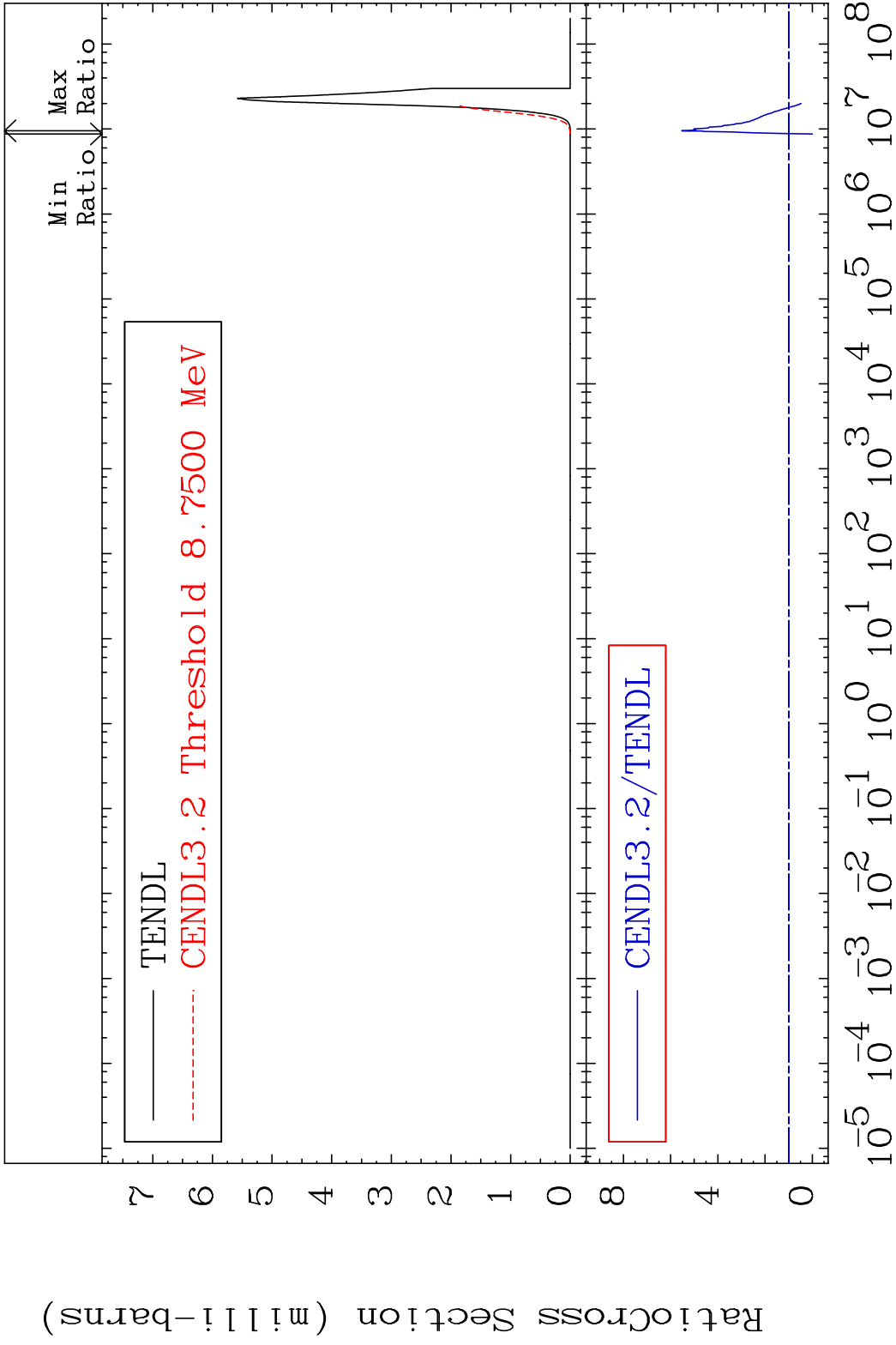


MAT 5455

(n,  $\alpha$ )

54-Xe-134

Cross Section -100.0 To 452.9 %



32

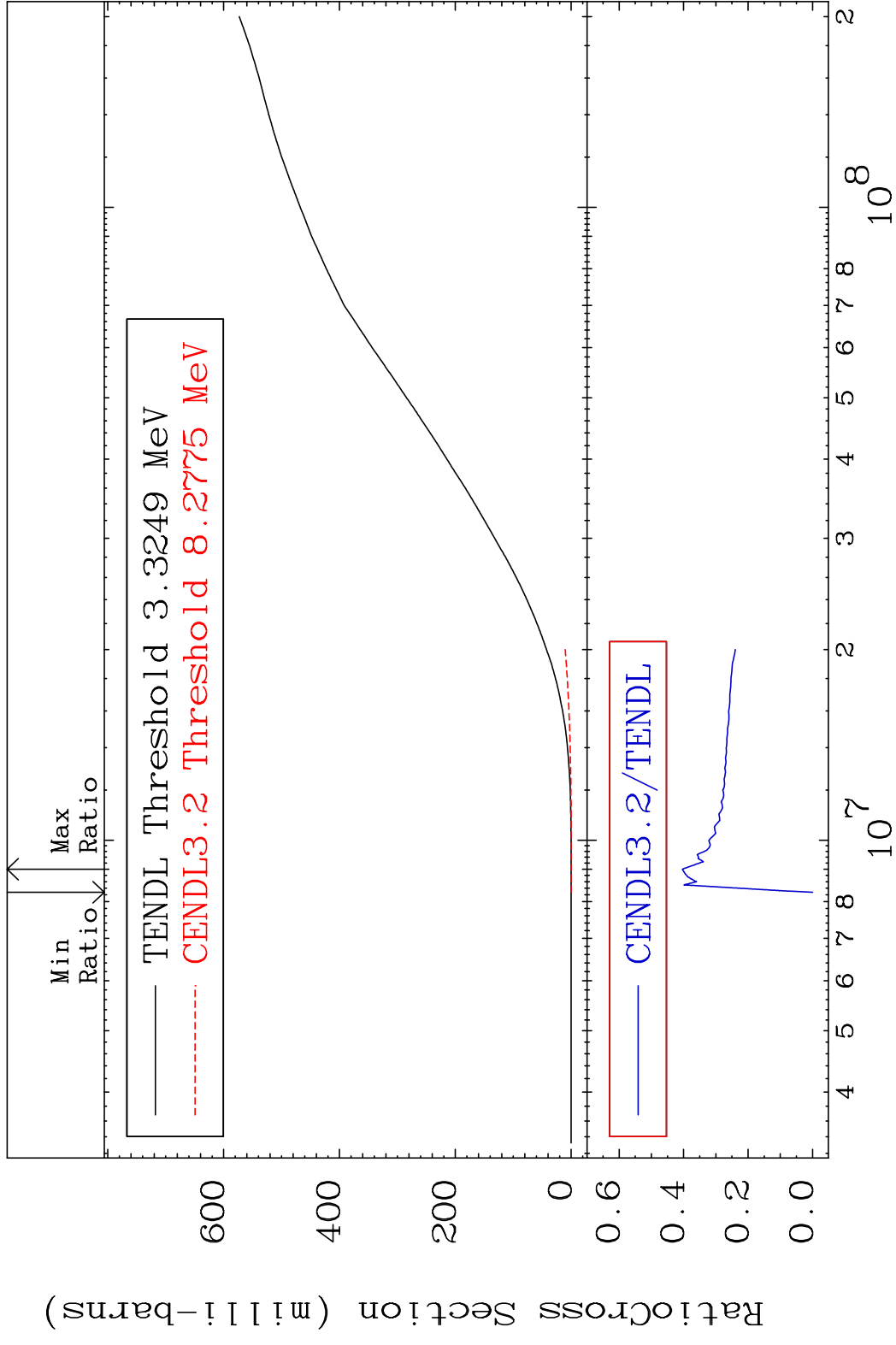
Incident Energy (eV)

54-Xe-134

MAT 5455

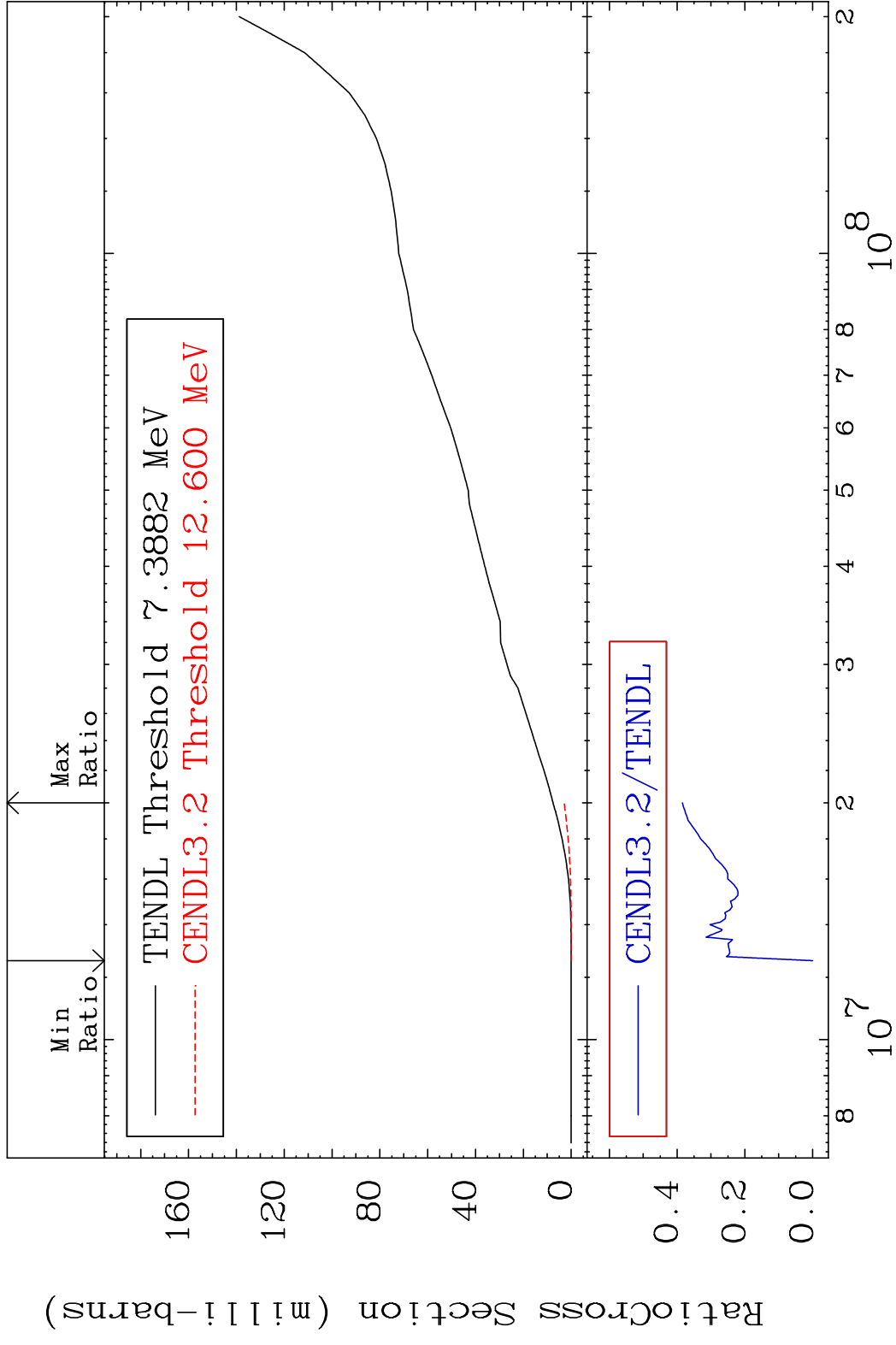
Hydrogen Production 54-Xe-134

Cross Section -100.0 To -59.62%



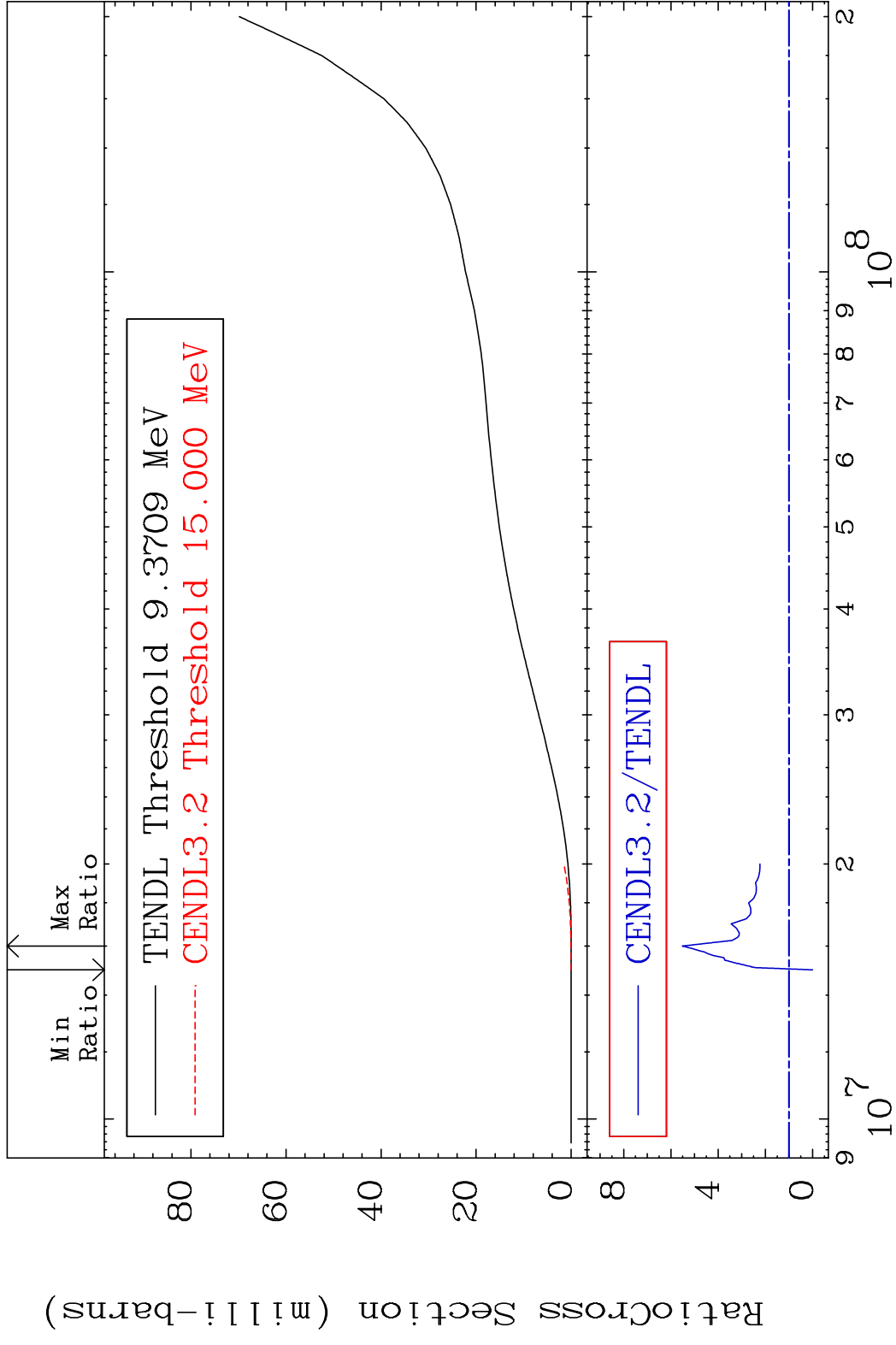
MAT 5455

Deuterium Production 54-Xe-134  
Cross Section -100.0 To -61.55%



MAT 5455

Tritium Production 54-Xe-134  
Cross Section -100.0 To 451.5 %



35

Incident Energy (eV)

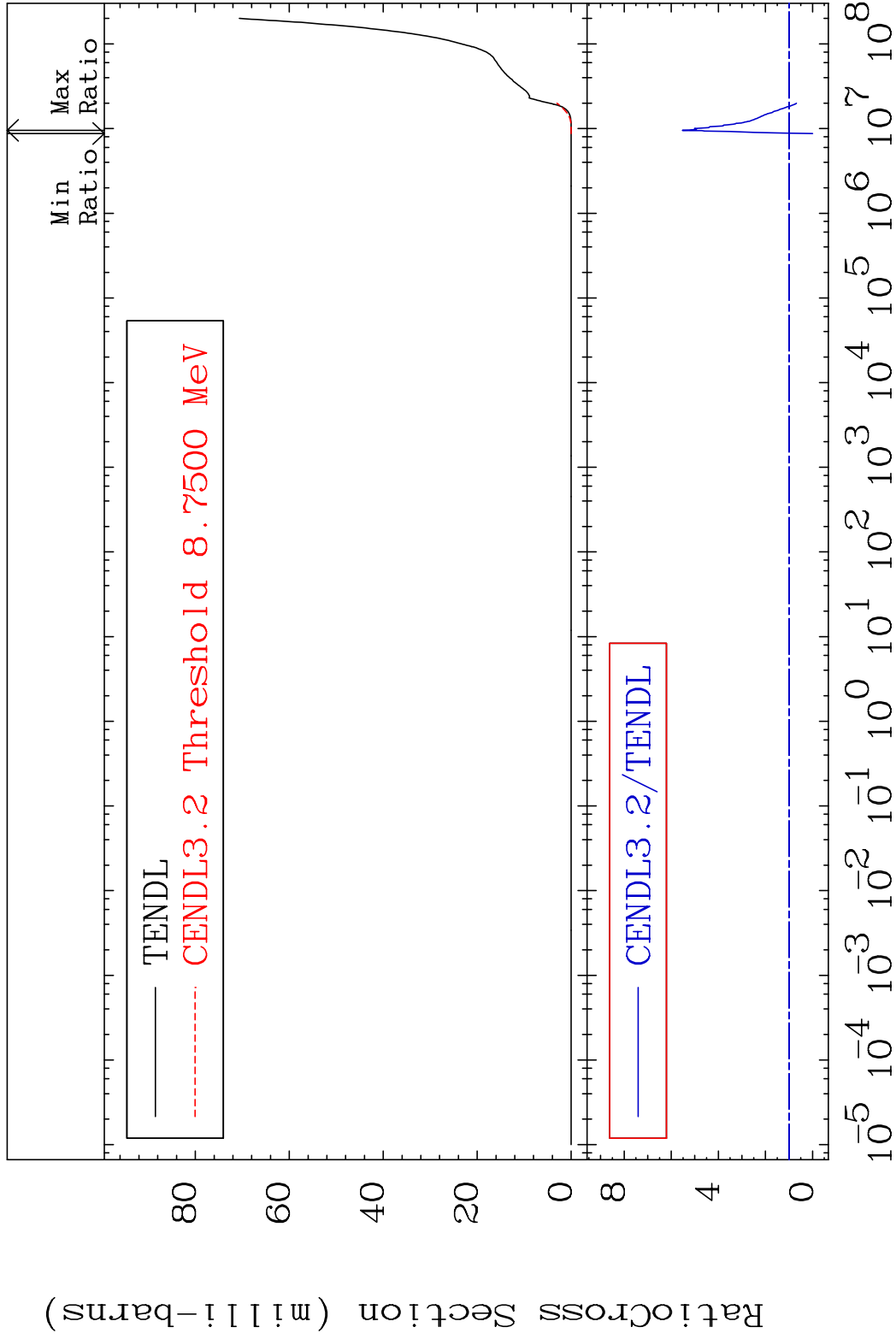
54-Xe-134

MAT 5455

He-4 Production

54-Xe-134

Cross Section -100.0 To 452.9 %

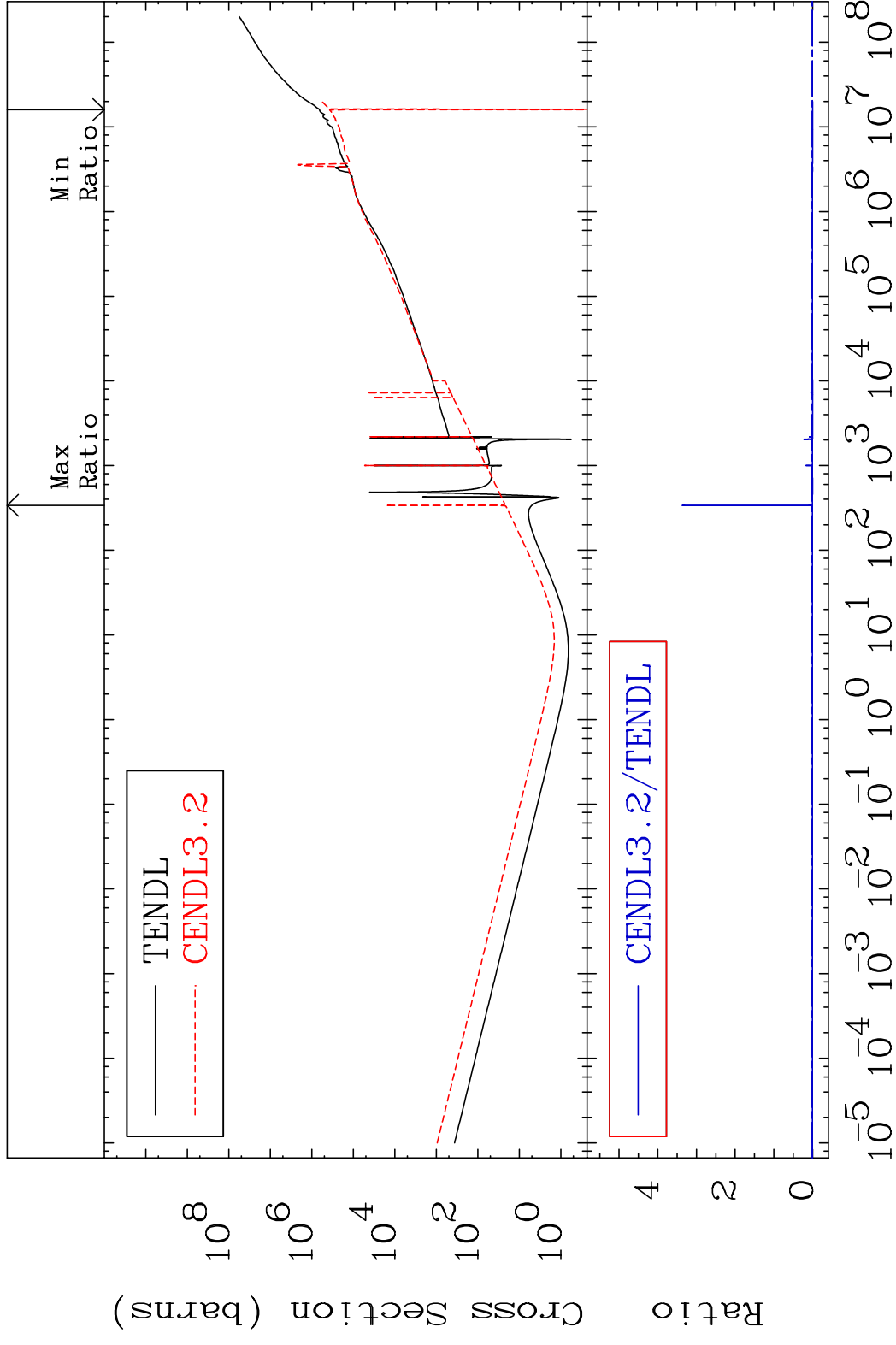


36

Incident Energy (eV)

54-Xe-134

MAT 5455 Kerma total (eV-barns) 54-Xe-134  
 Cross Section -170.0 To 9999. %

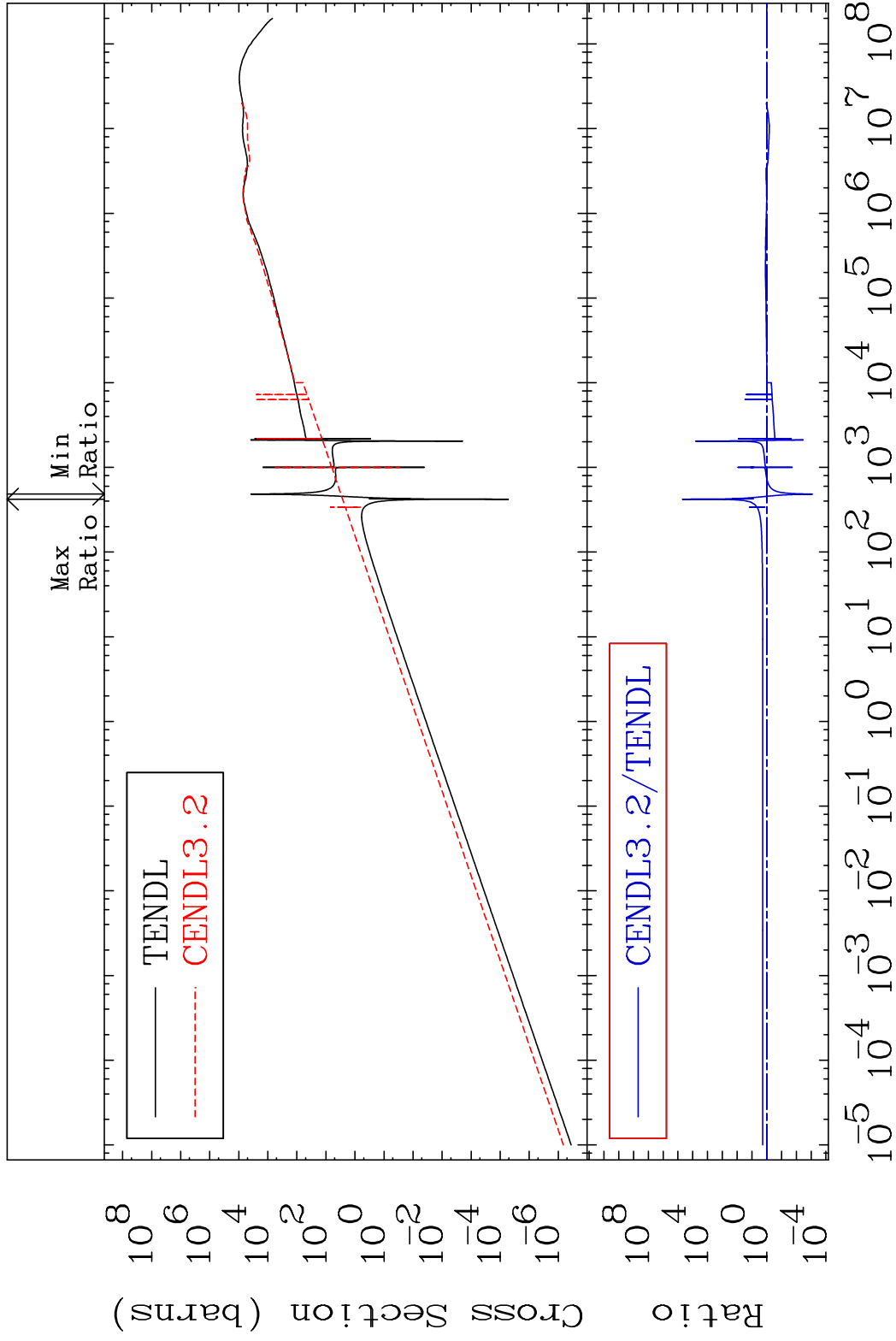


MAT 5455

54-Xe-134

Kerma elastic

Cross Section -99.92 To 9999. %

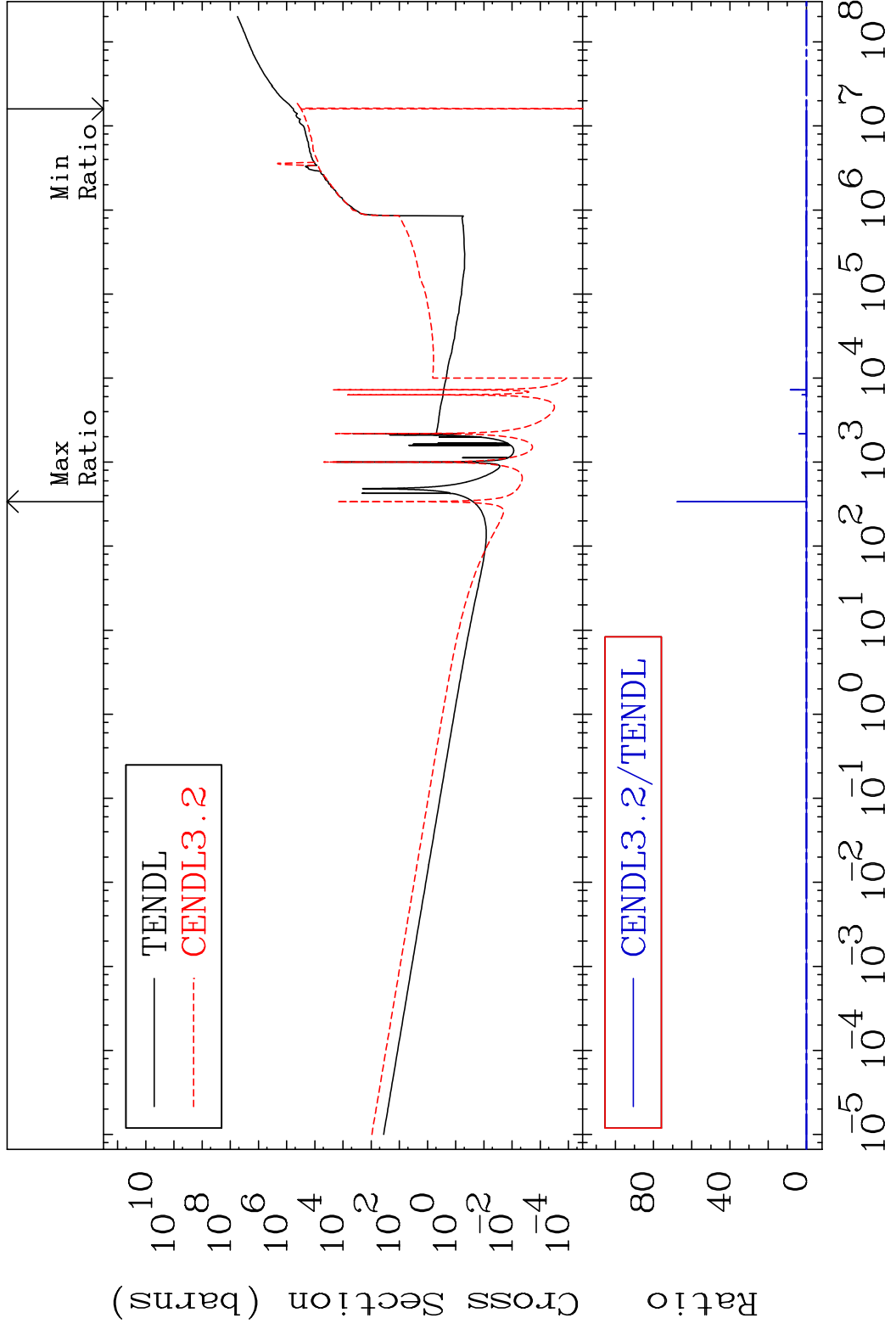


38

Incident Energy (eV)

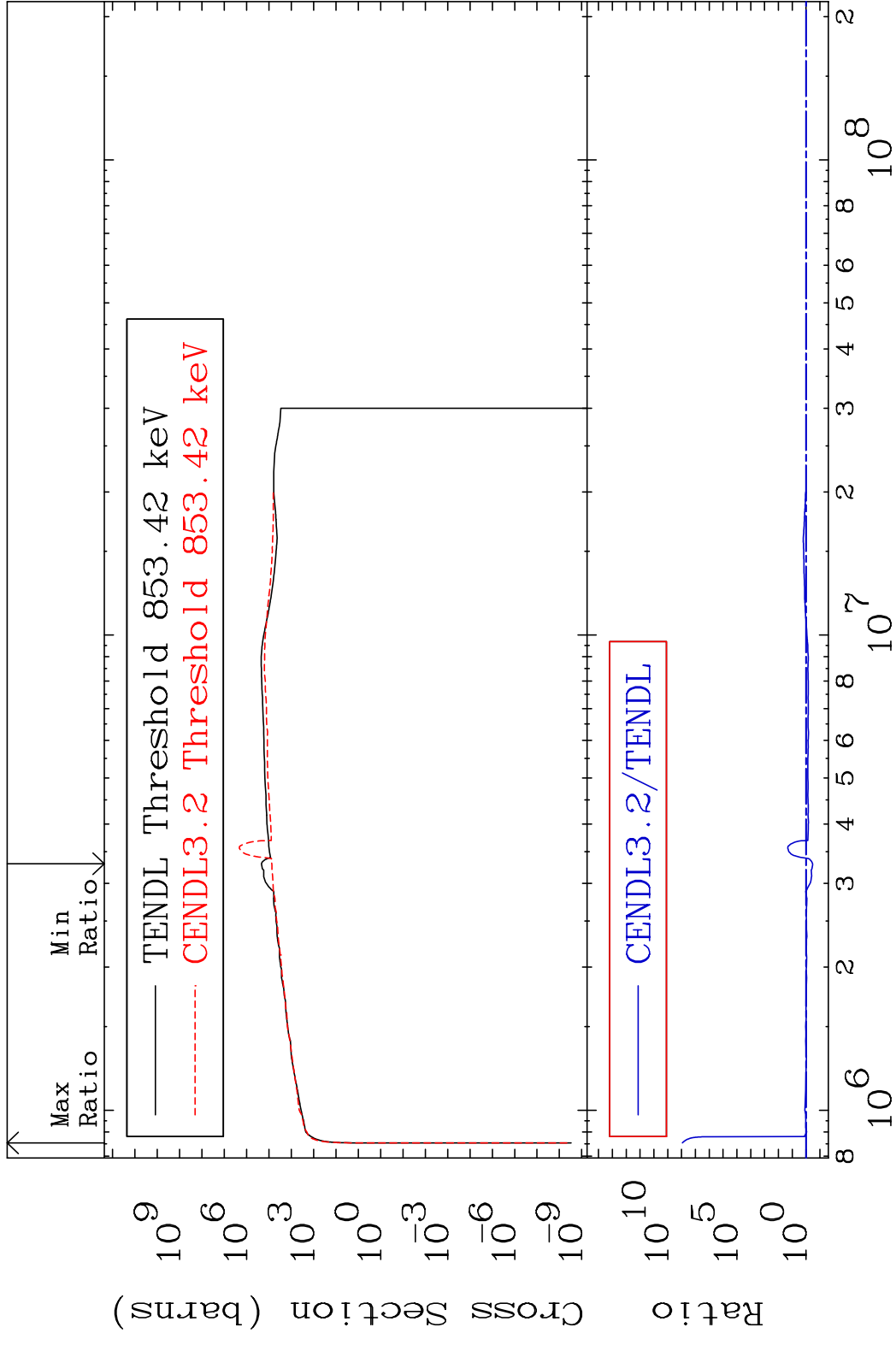
54-Xe-134

MAT 5455 Kerma non-elastic (all but mt2) 54-Xe-134  
 Cross Section -188.6 To 9999. %



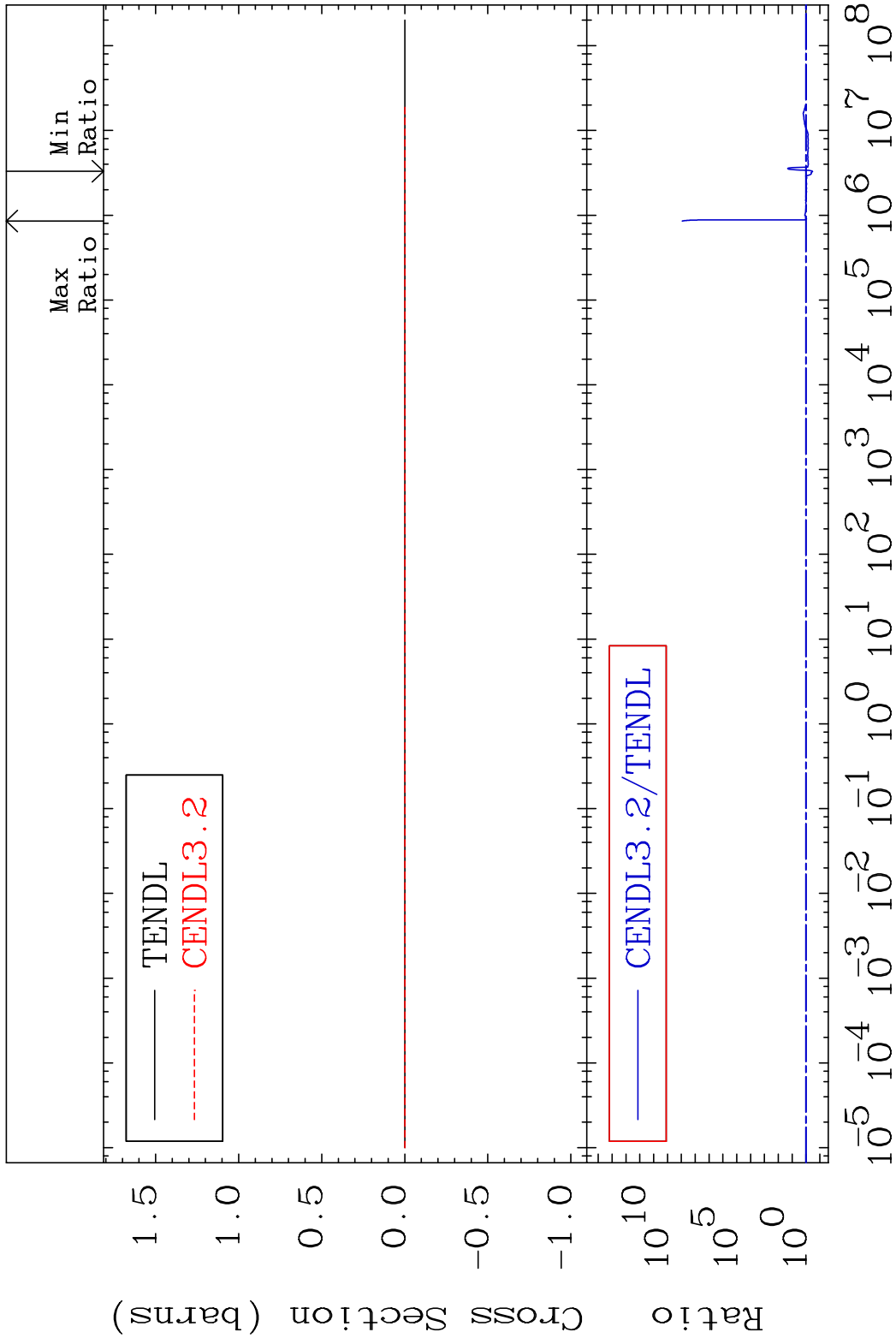


MAT 5455 Kerma inelastic (mt51-91) 54-Xe-134  
 Cross Section -66.07 To 9999. %



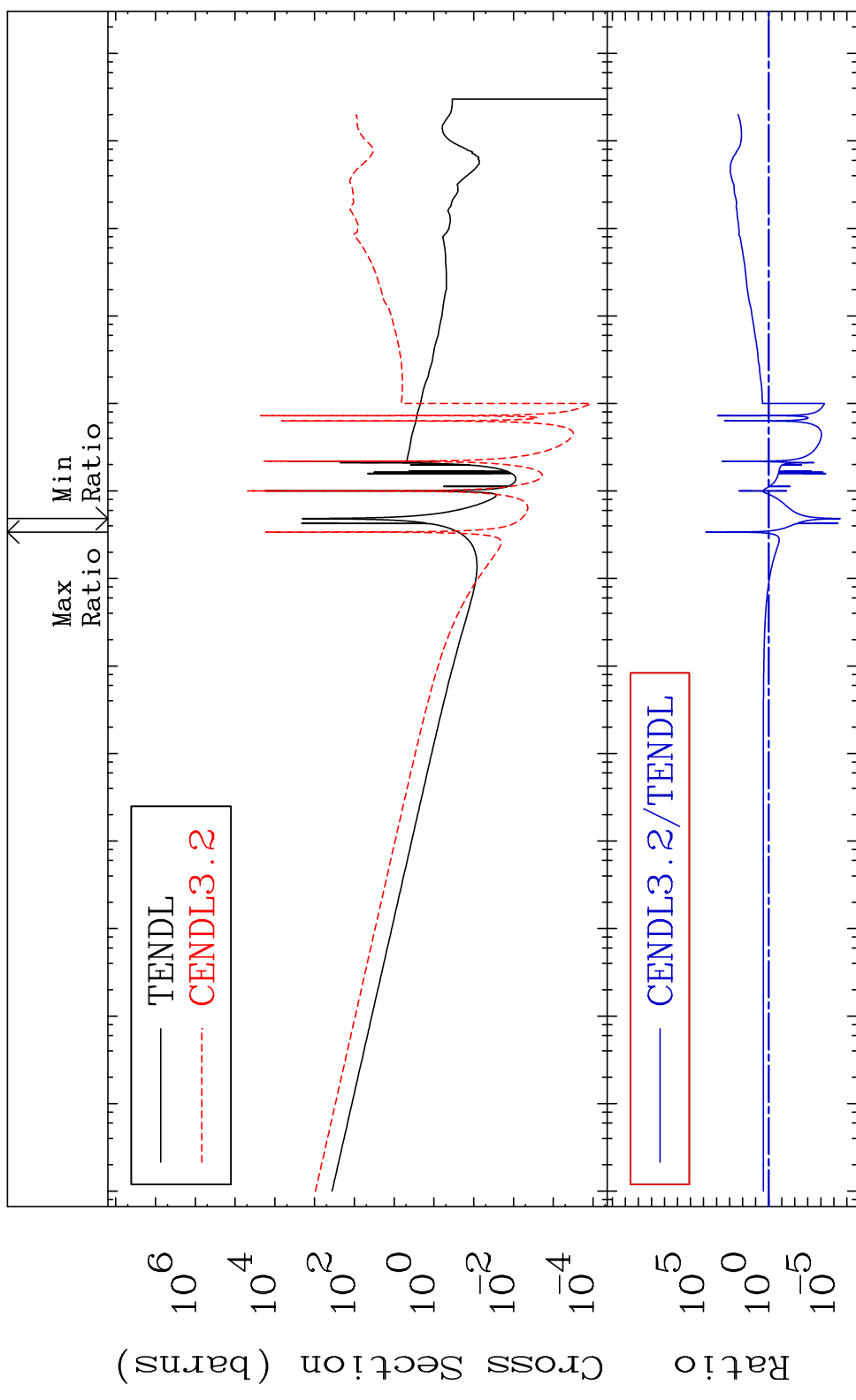
40 Incident Energy (eV) 54-Xe-134

MAT 5455 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-134  
 Cross Section -66.07 To 9999. %

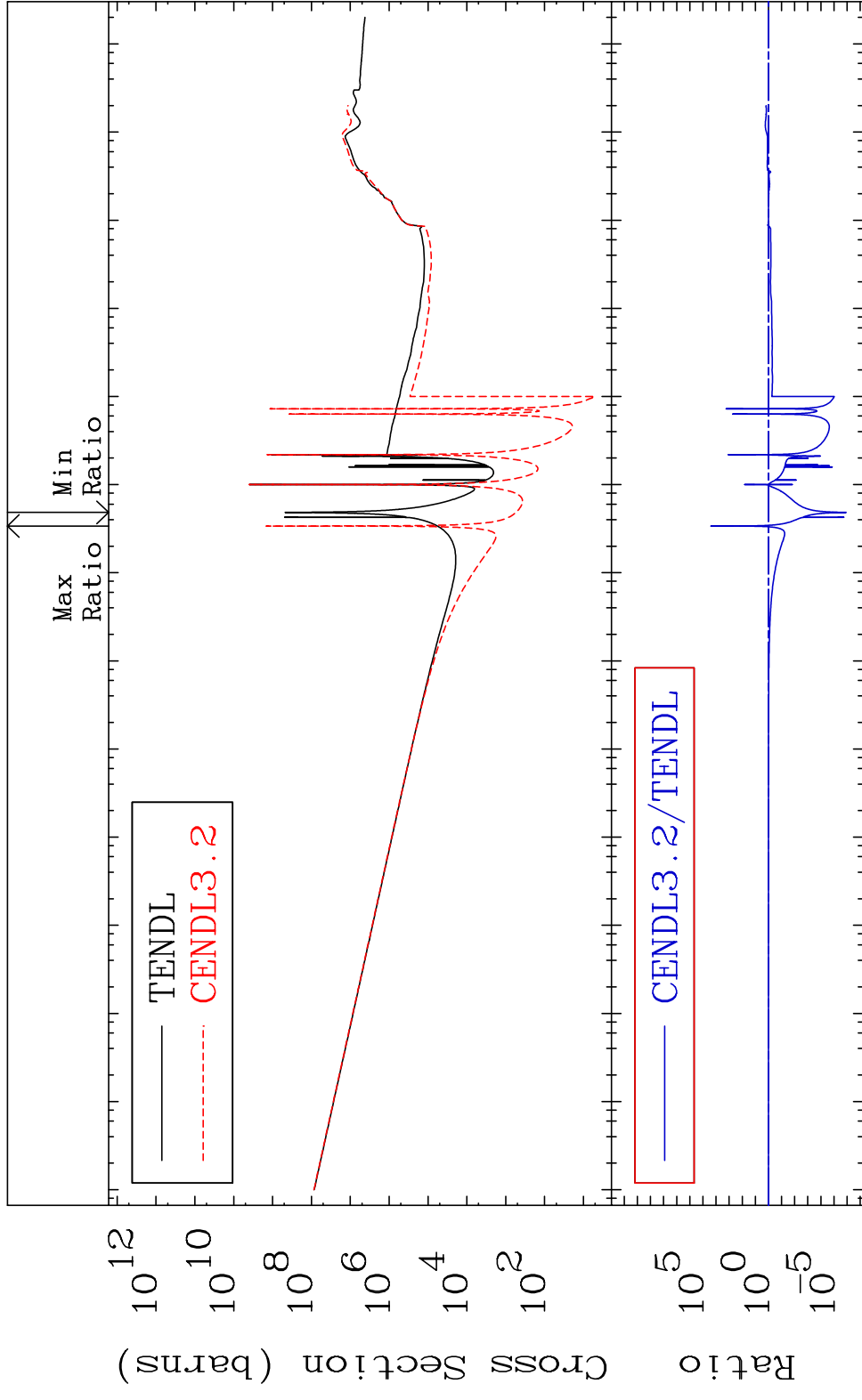


MAT 5455

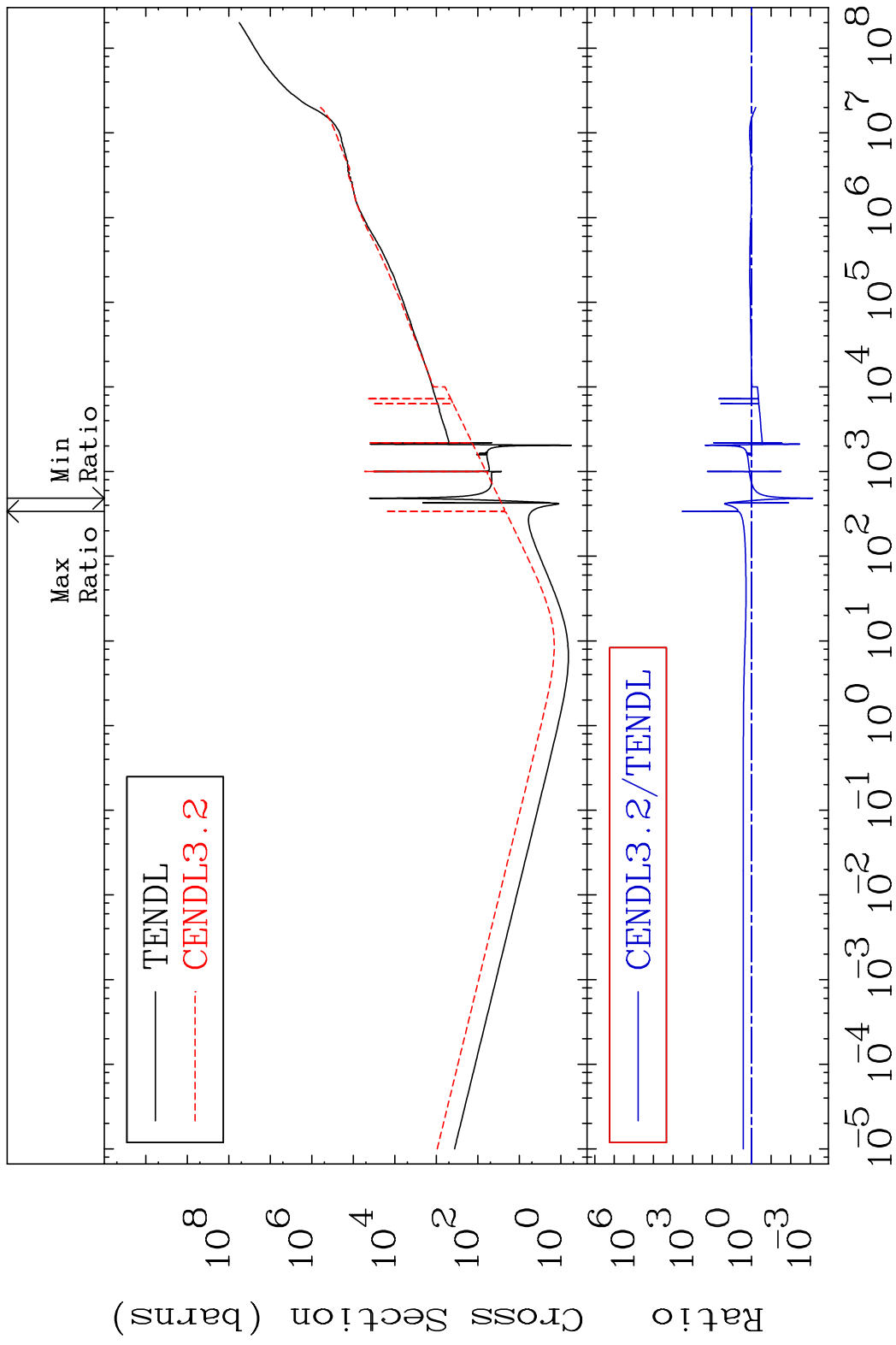
Kerma capture (mt102) 54-Xe-134  
Cross Section -100.0 To 9999. %



MAT 5455 Total photon (eV-barns) 54-Xe-134  
 Cross Section -100.0 To 9999. %



MAT 5455 Total kinematic kerma (high limit) 54-Xe-134  
 Cross Section -99.92 To 9999. %

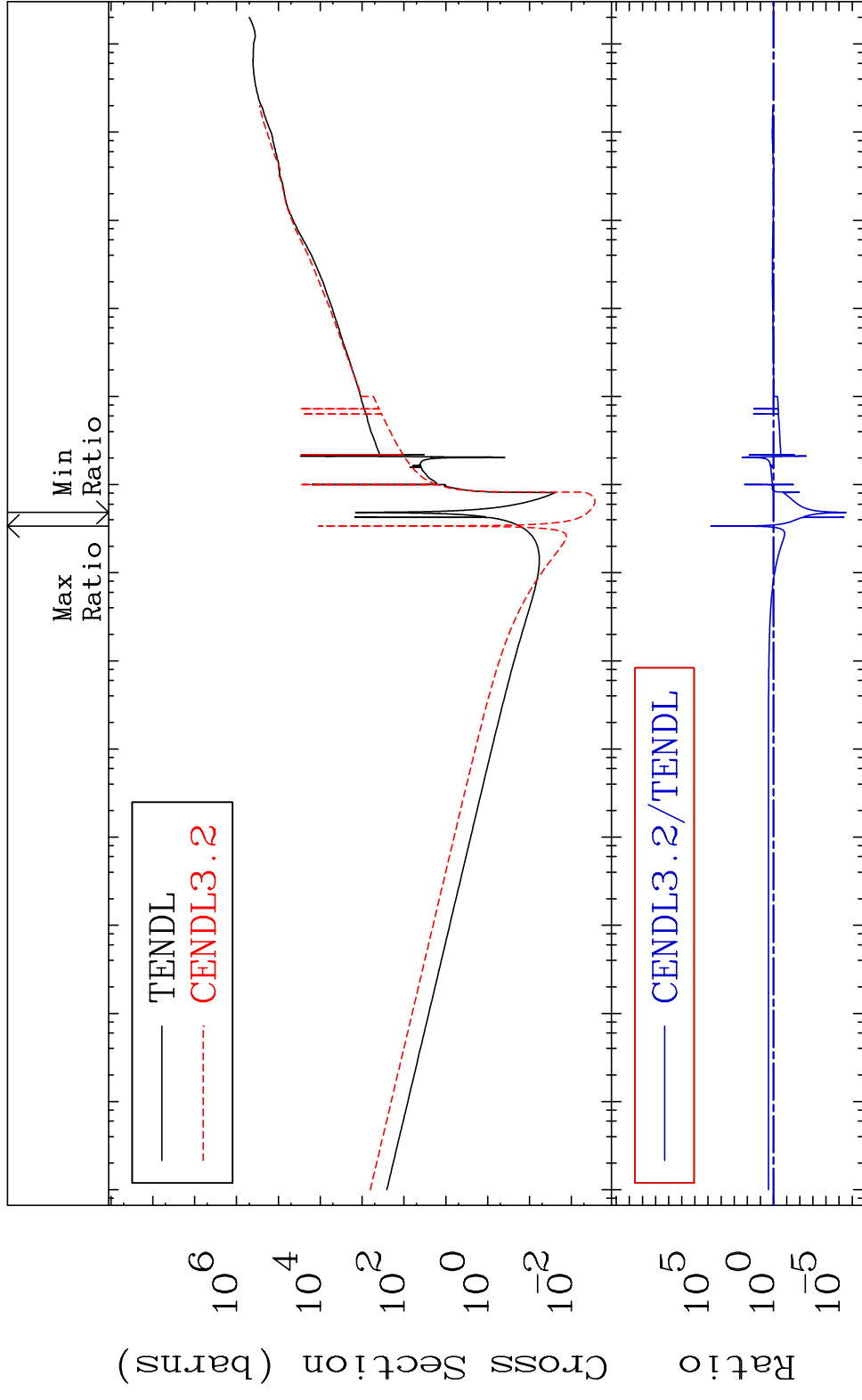


MAT 5455

Dpa total (eV-barns)

54-Xe-134

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

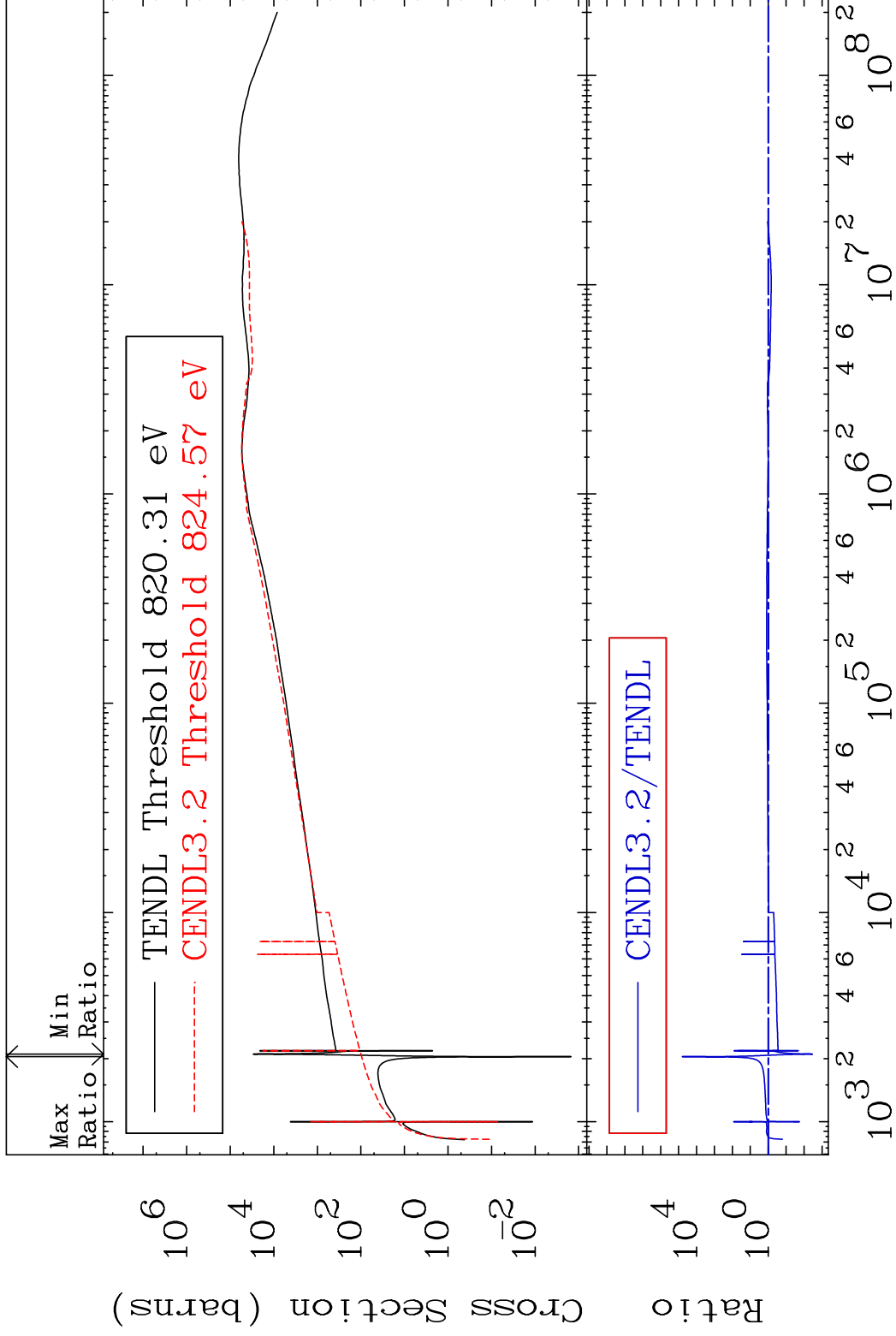
54-Xe-134

MAT 5455

Dpa elastic (mt2)

54-Xe-134

Cross Section -99.66 To 9999. %

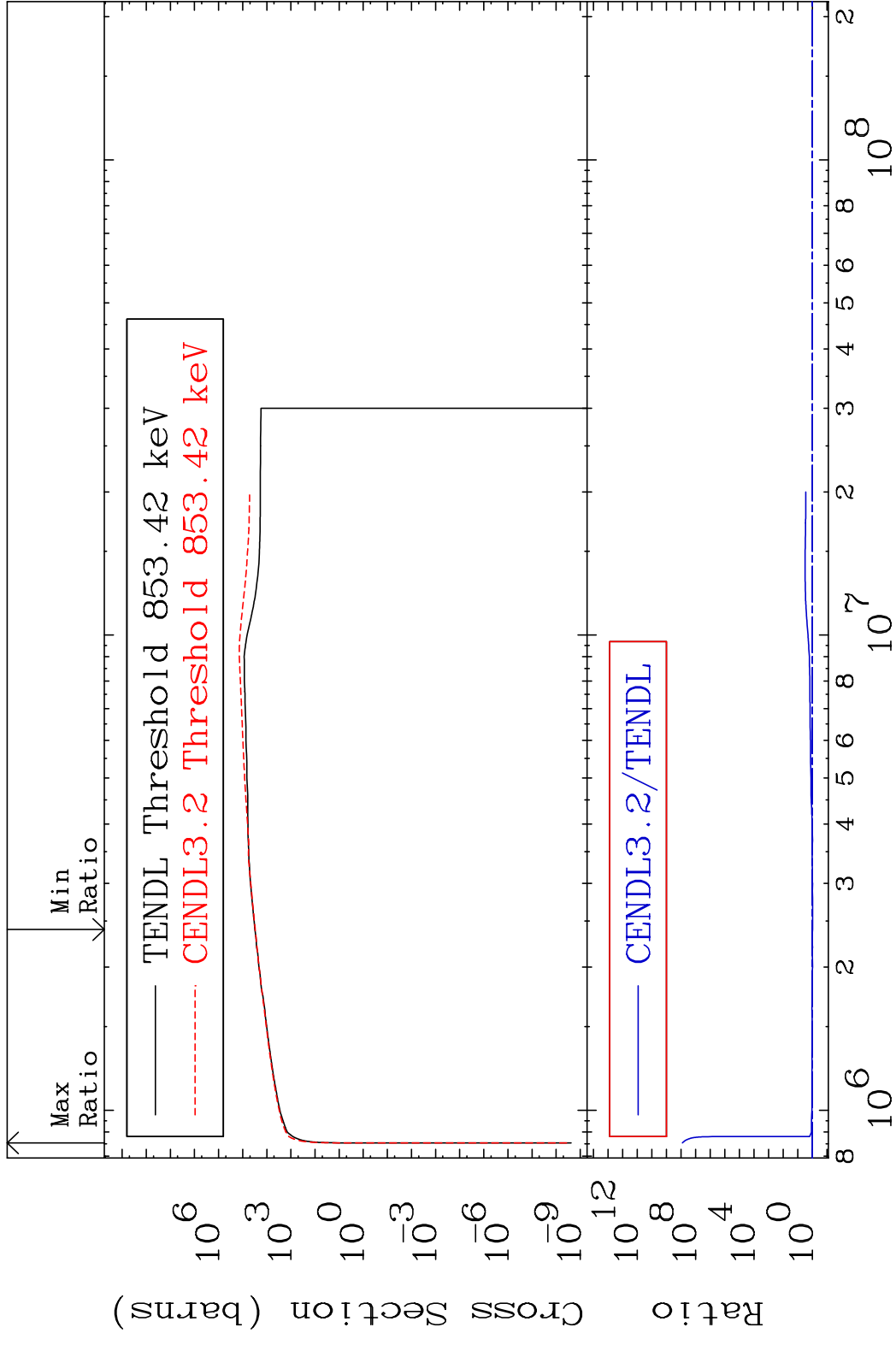


46

Incident Energy (eV)

54-Xe-134

MAT 5455 Dpa inelastic (mt51-91) 54-Xe-134  
 Cross Section -3.712 To 9999. %





MAT 5455 Dpa disappearance (mt102 -120) 54-Xe-134  
 Cross Section -100.0 To 9999. %

