

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

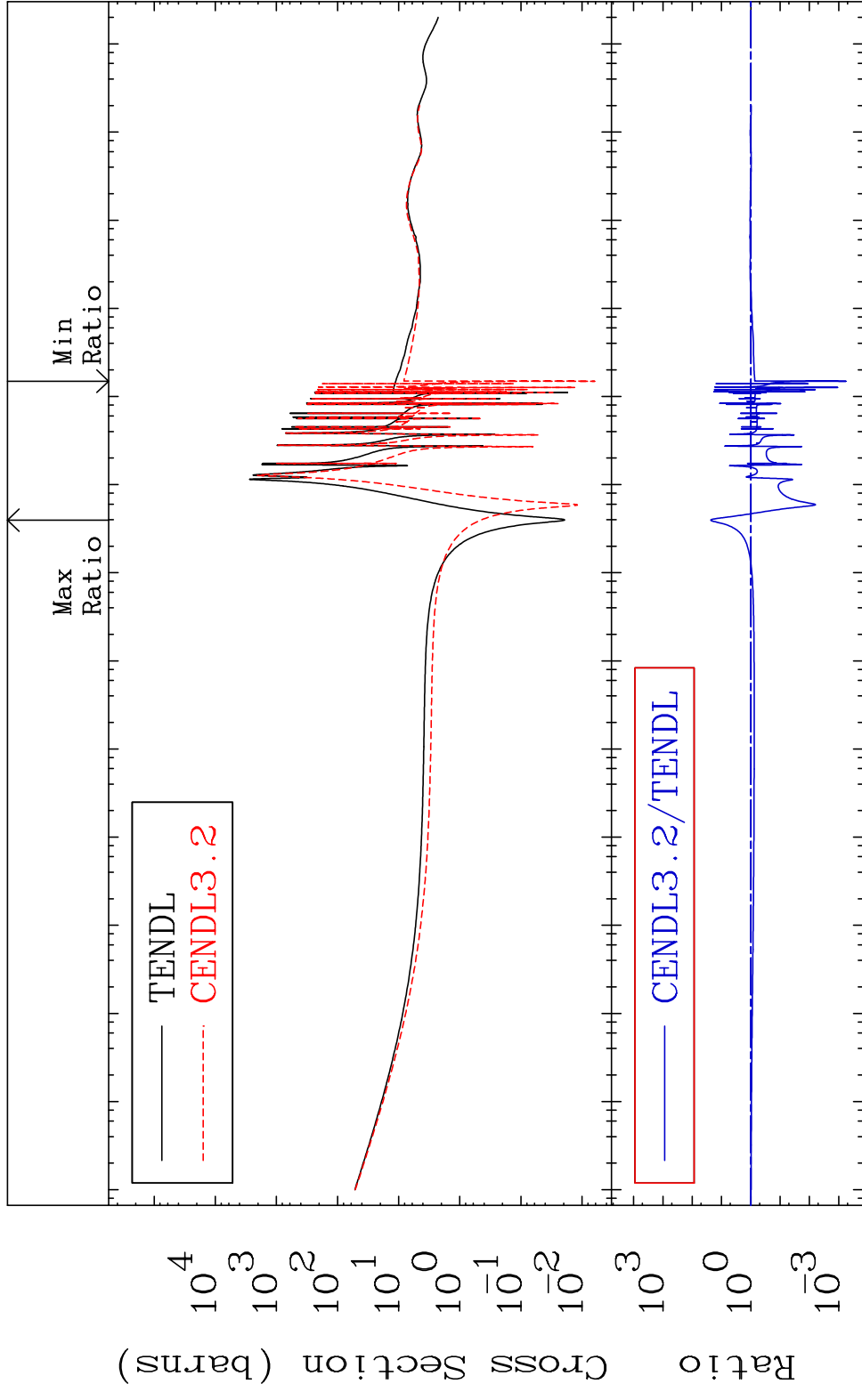
MAT 5843

Total

58-Ce-142

Cross Section

-99.95 To 2234. %



1

Incident Energy (eV)

58-Ce-142

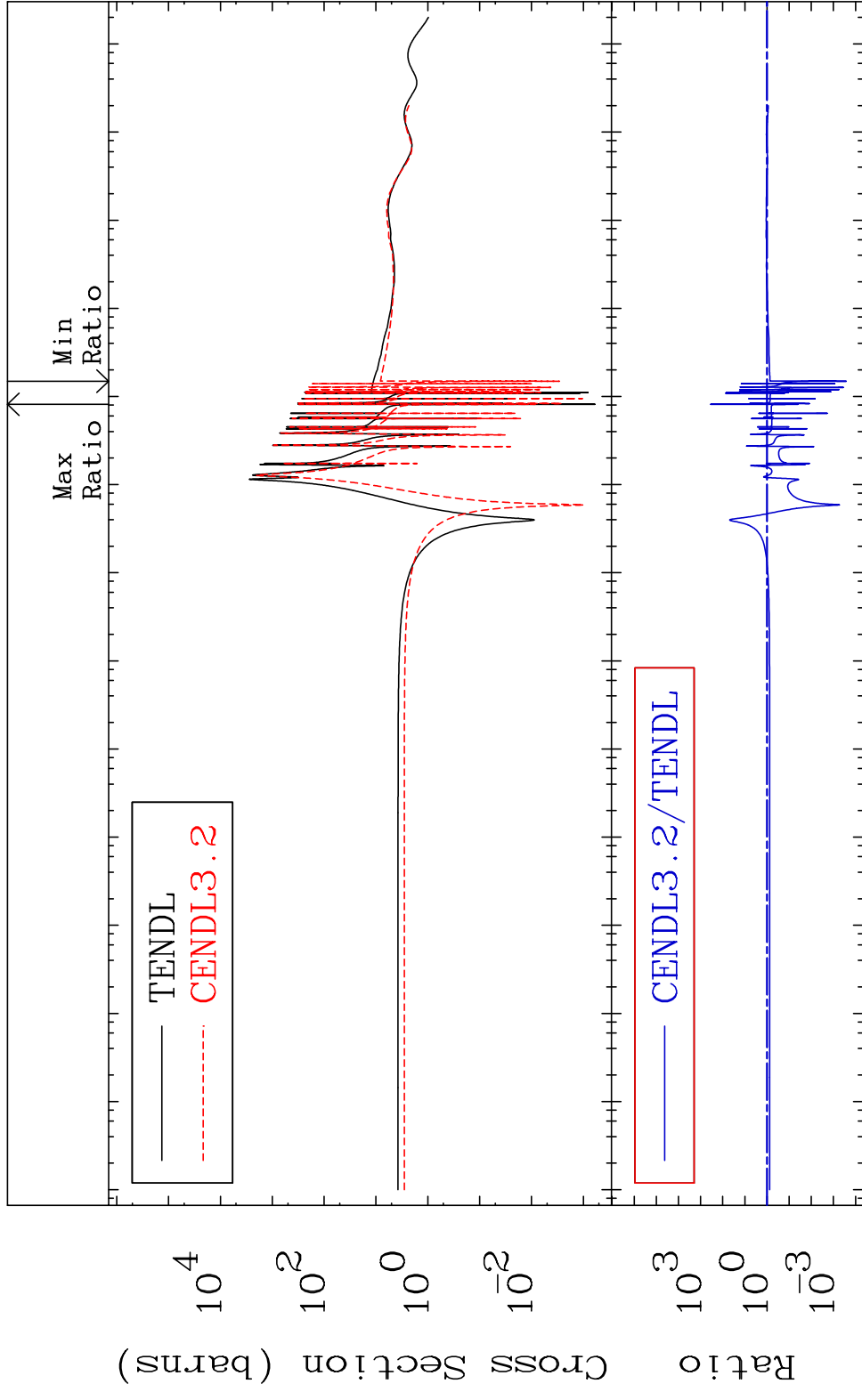
MAT 5843

Elastic

58-Ce-142

Cross Section

-99.97 To 9999. %

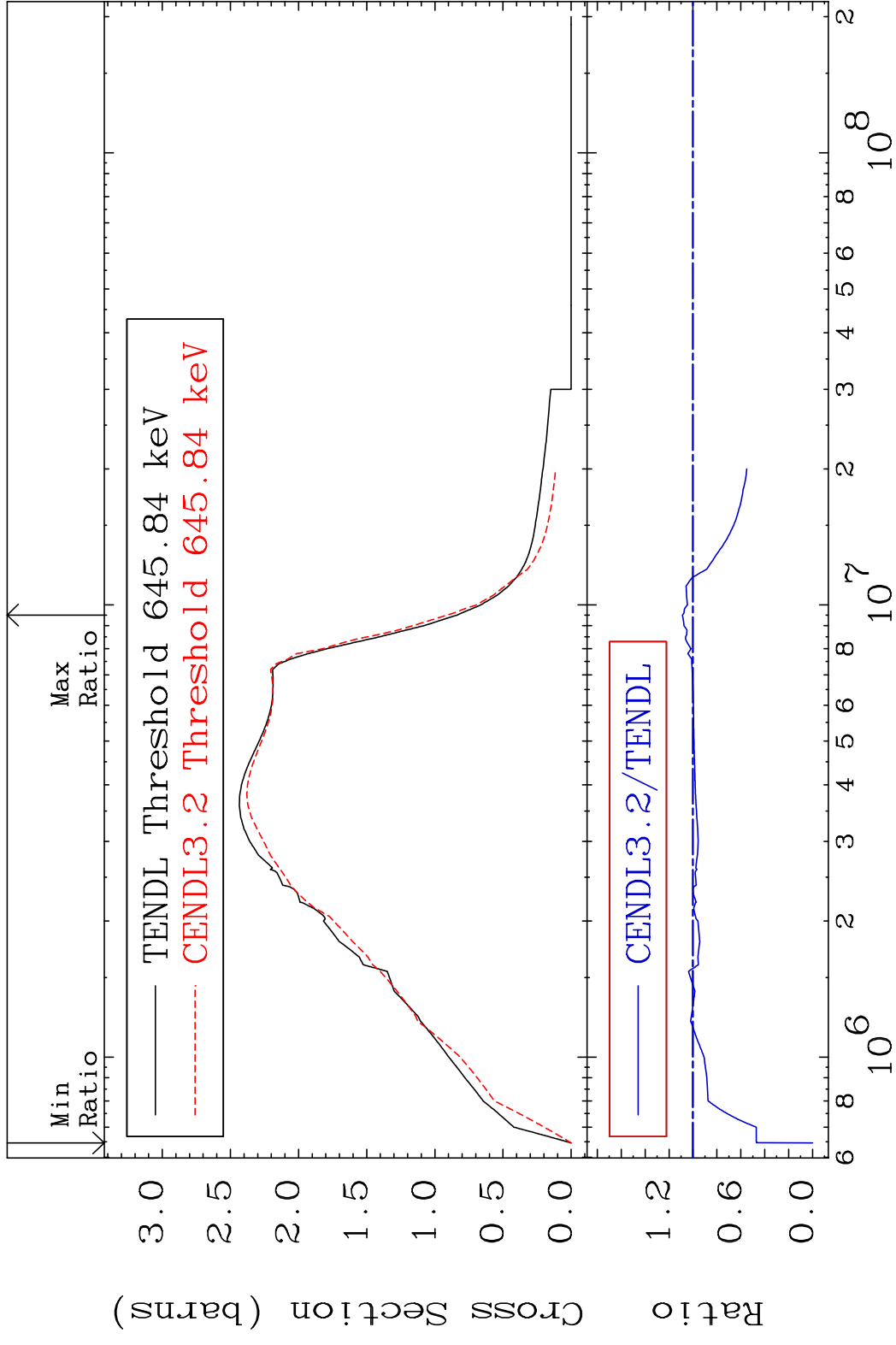


2

Incident Energy (eV)

58-Ce-142

MAT 5843 Inelastic 58-Ce-142
 Cross Section -100.0 To 8.886 %



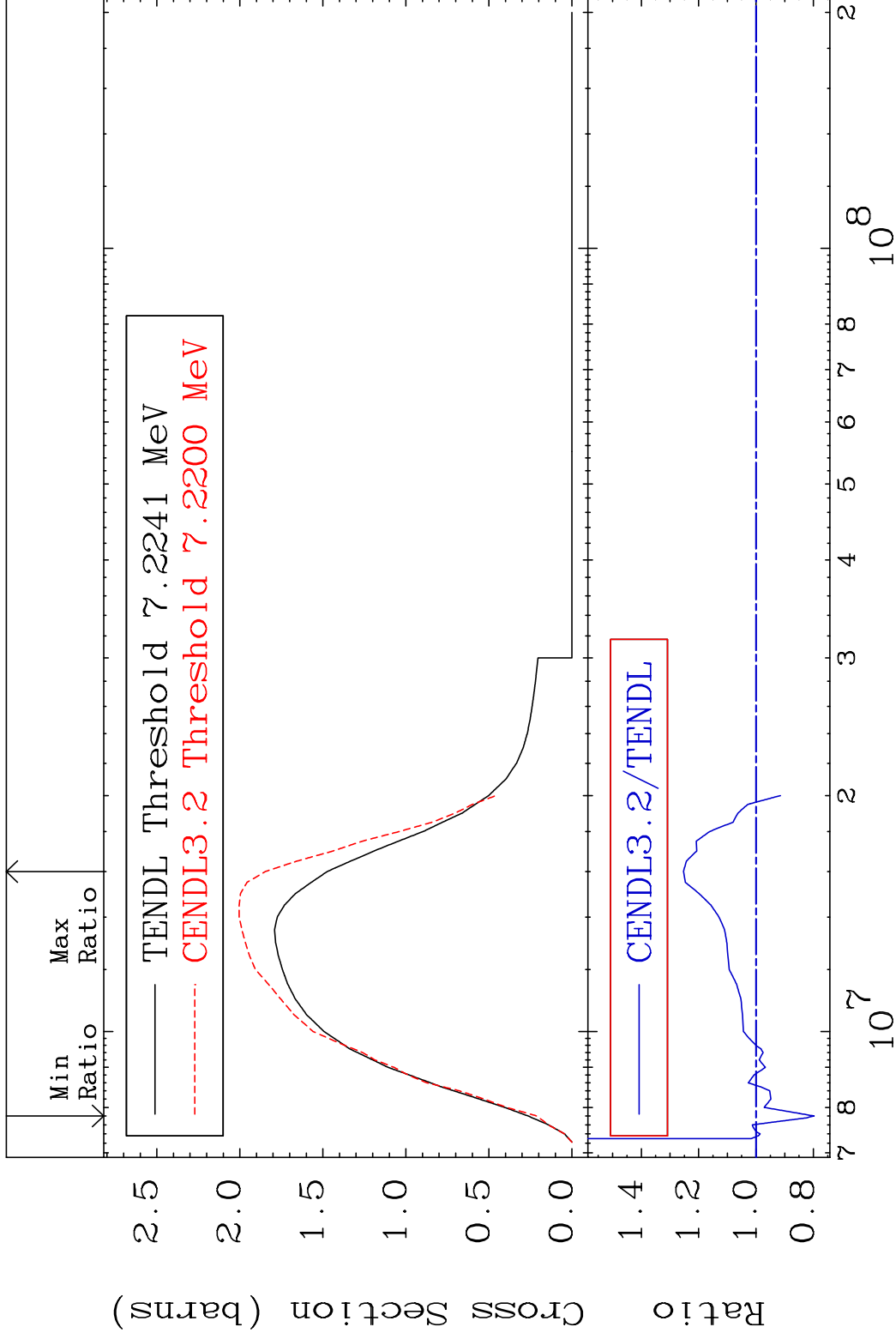
3 Incident Energy (eV) 58-Ce-142

MAT 5843

(n,2n)

58-Ce-142

Cross Section -20.22 To 25.30 %



4

Incident Energy (eV)

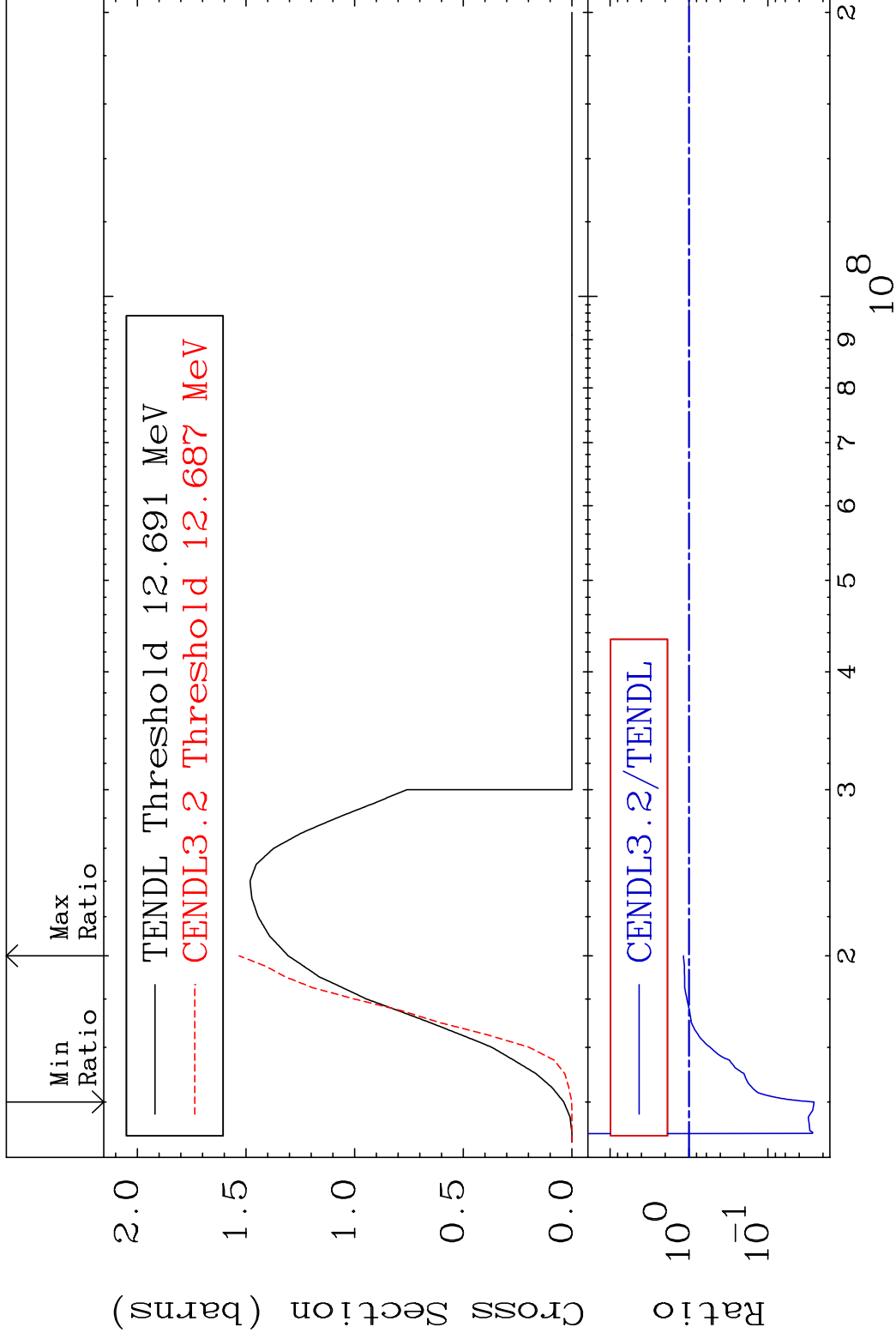
58-Ce-142

MAT 5843

(n,3n)

58-Ce-142

Cross Section -97.40 To 17.28 %



5

Incident Energy (eV)

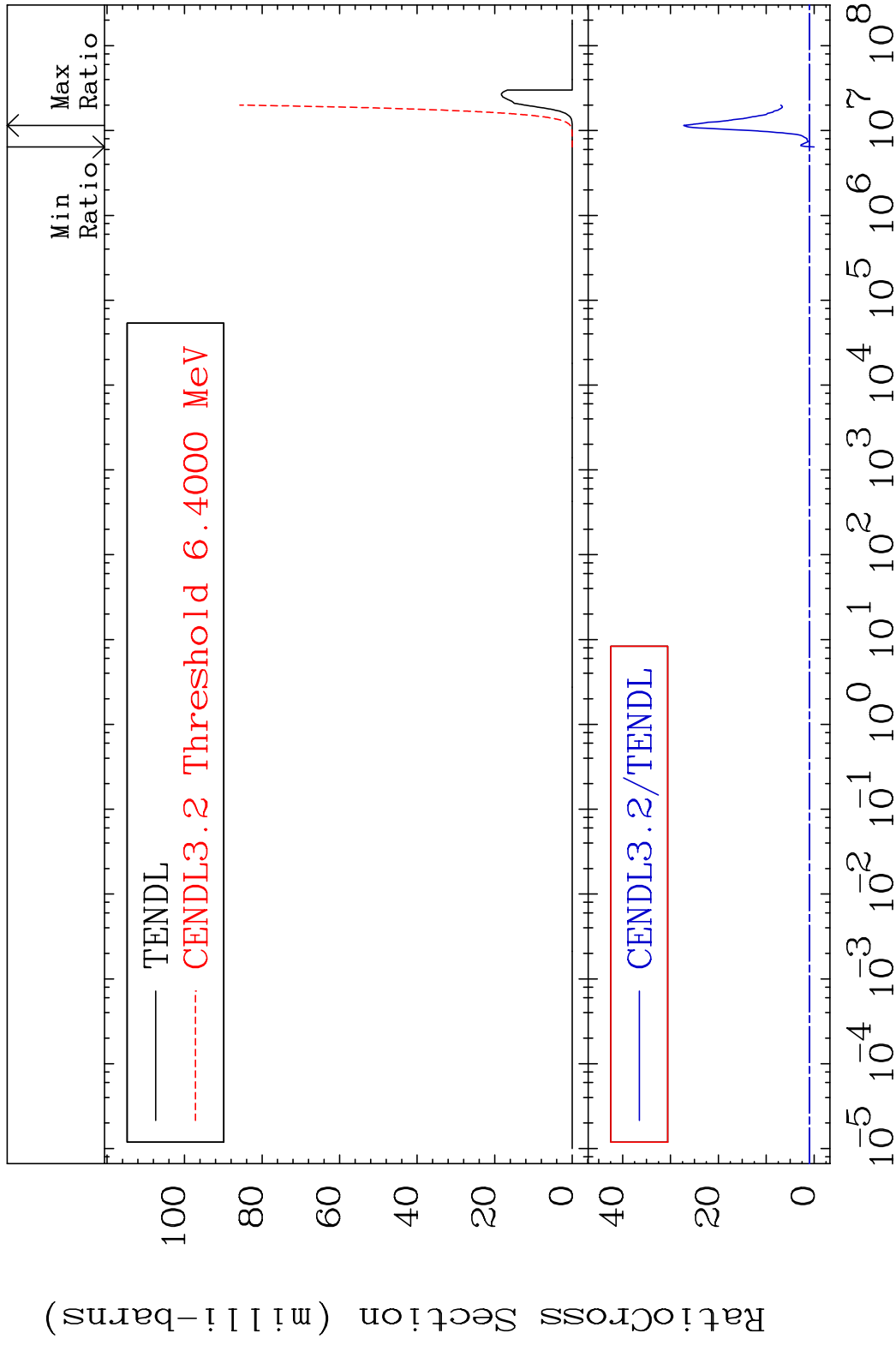
58-Ce-142

MAT 5843

(n, n') α

58-Ce-142

Cross Section -100.0 To 2625. %



6

Incident Energy (eV)

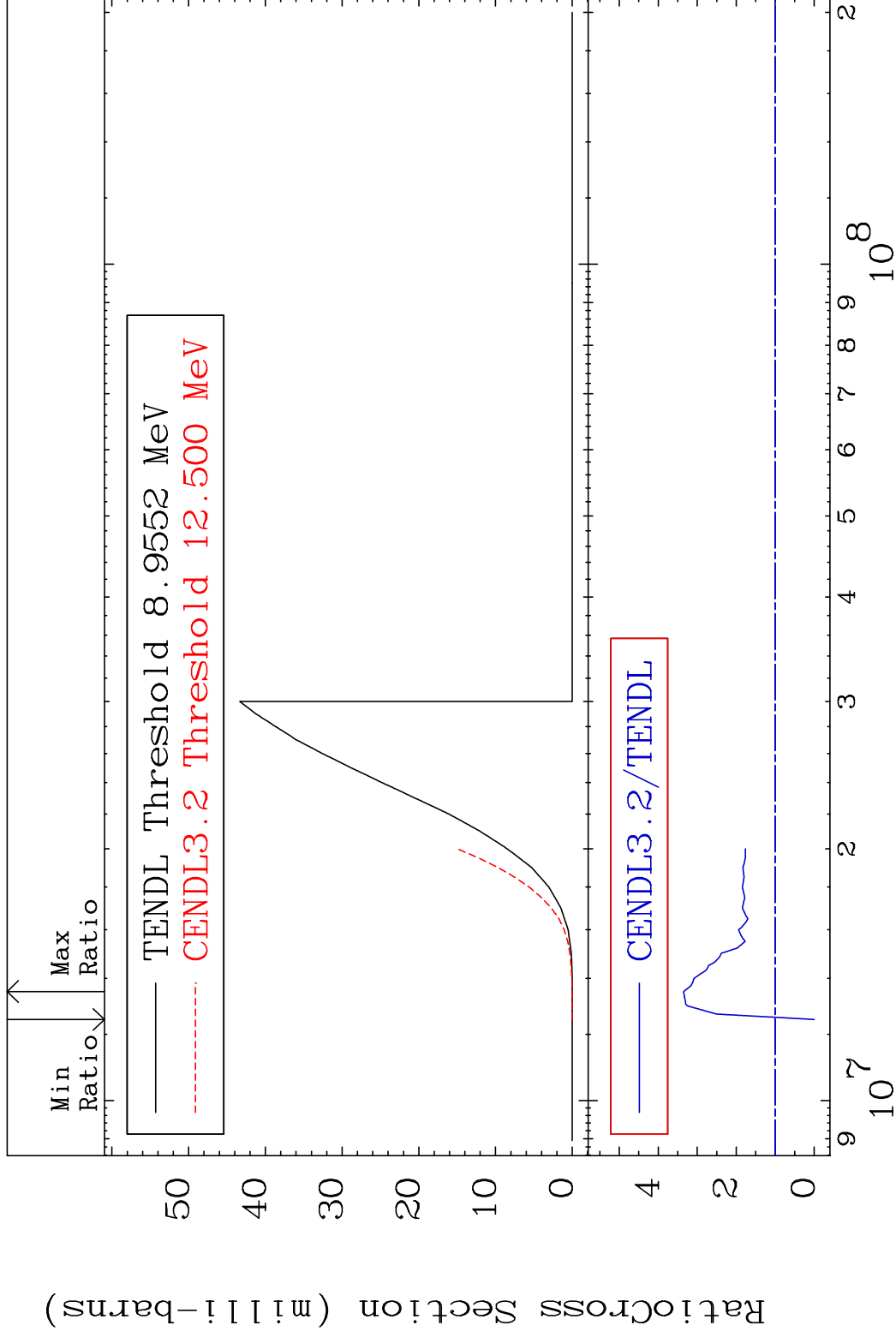
58-Ce-142

MAT 5843

(n, n') p

58-Ce-142

Cross Section -100.0 To 234.8 %

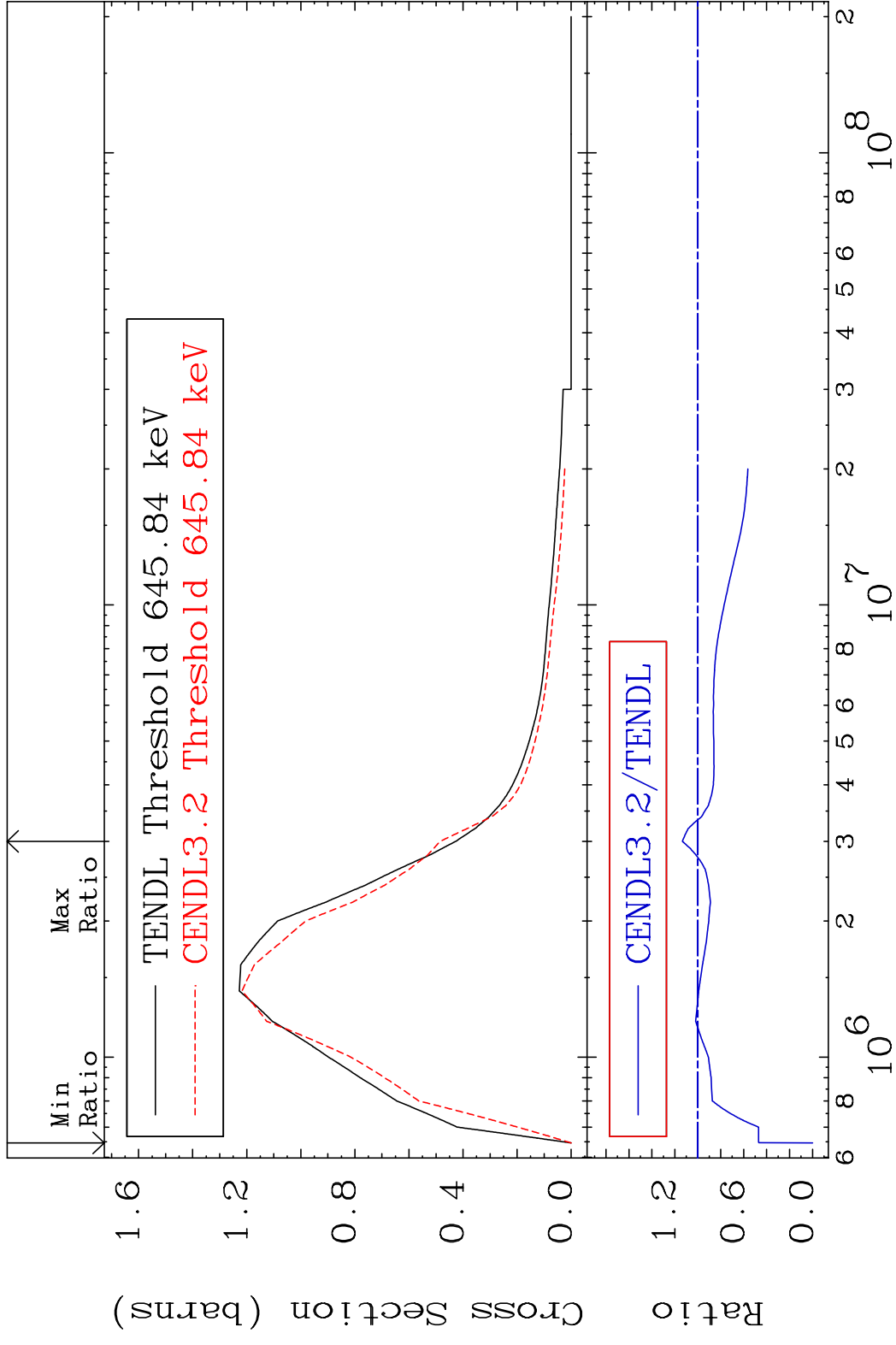


7

Incident Energy (eV)

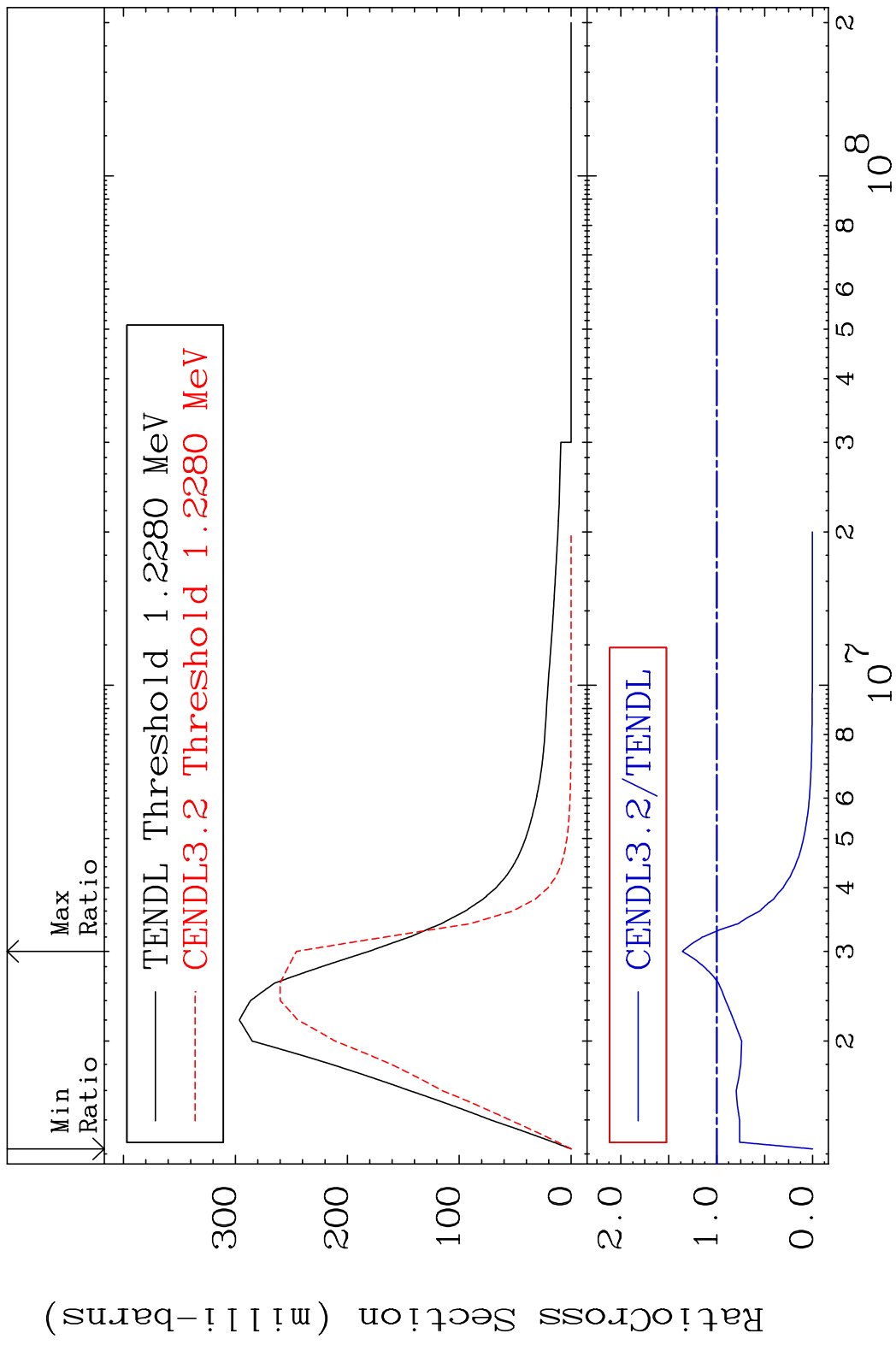
58-Ce-142

MAT 5843 MT= 51 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 13.44 %

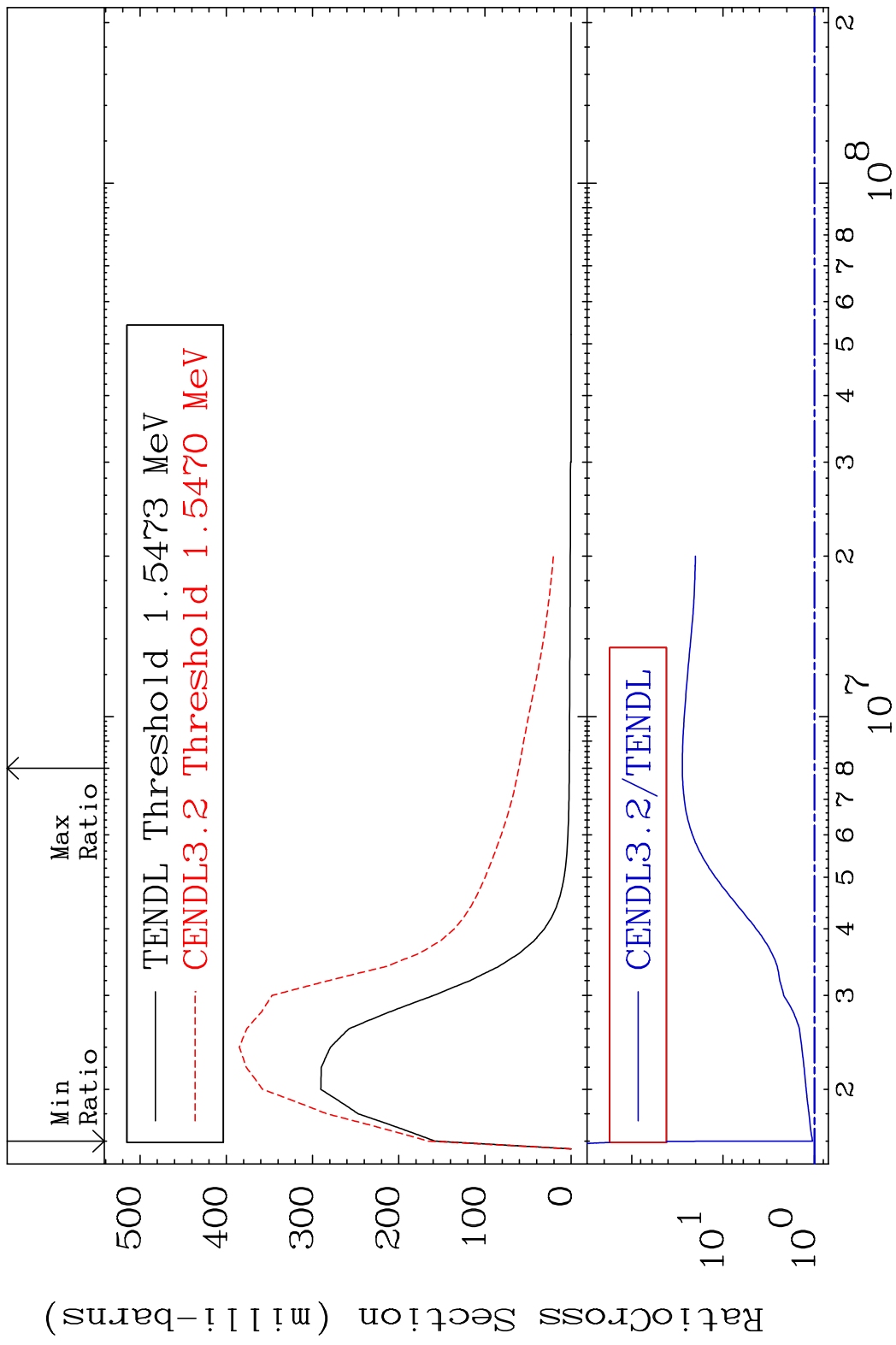


8 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 52 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 35.86 %

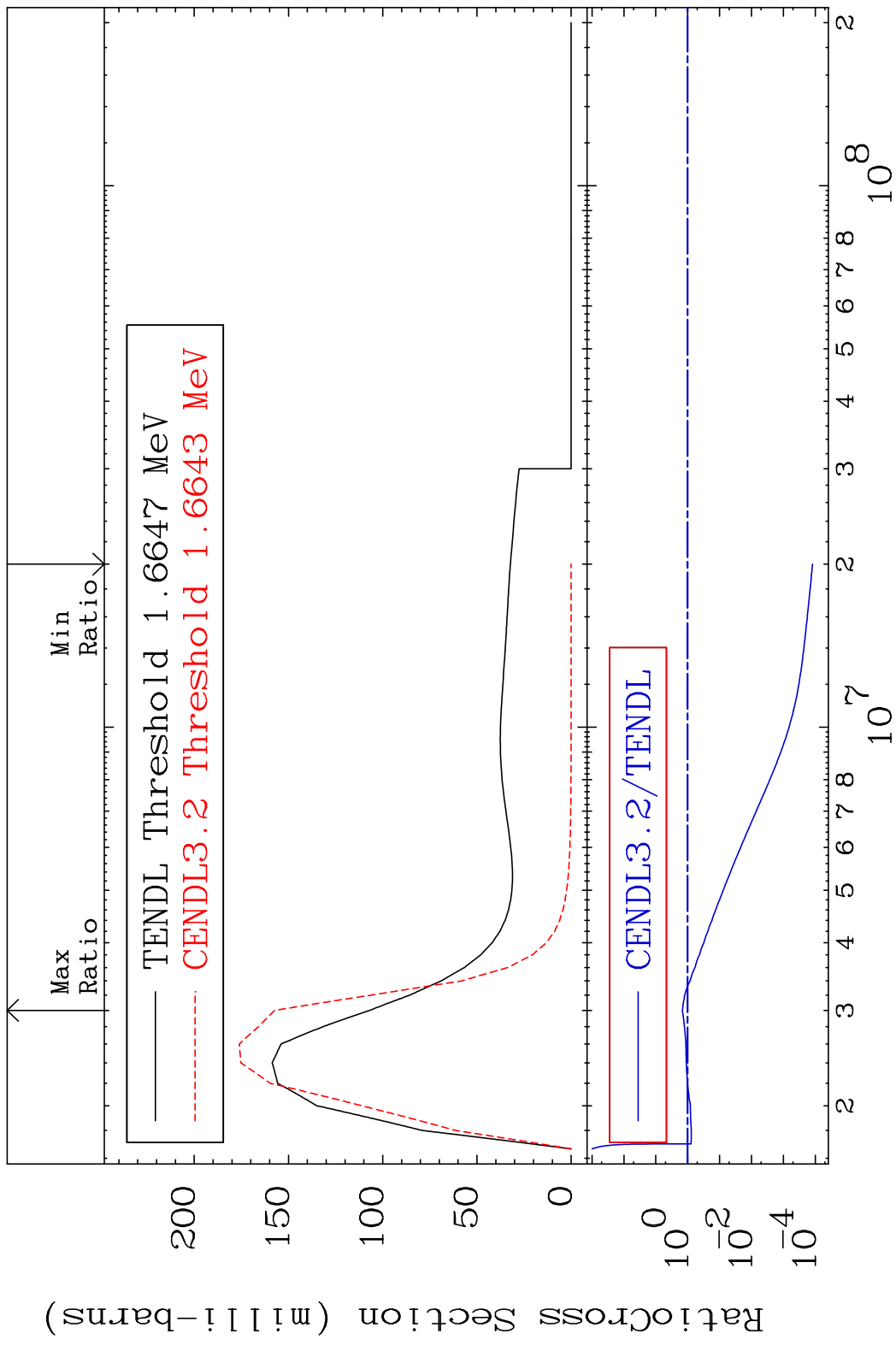


MAT 5843 MT= 53 (n, n') Level 58-Ce-142
 Cross Section 4.888 To 2692. %

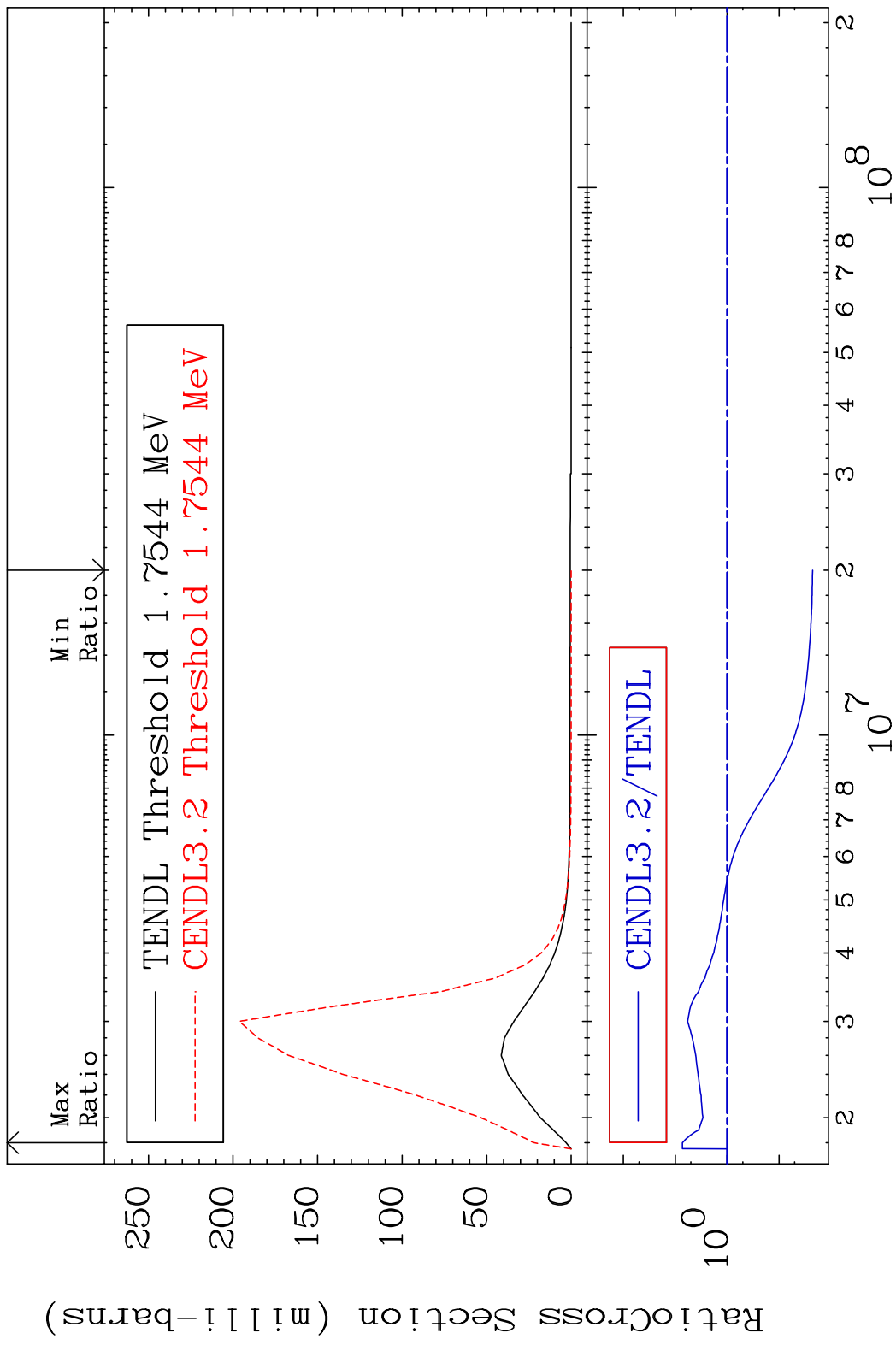


10 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 54 (n, n') Level 58-Ce-142
 Cross Section -99.99 To 47.08 %

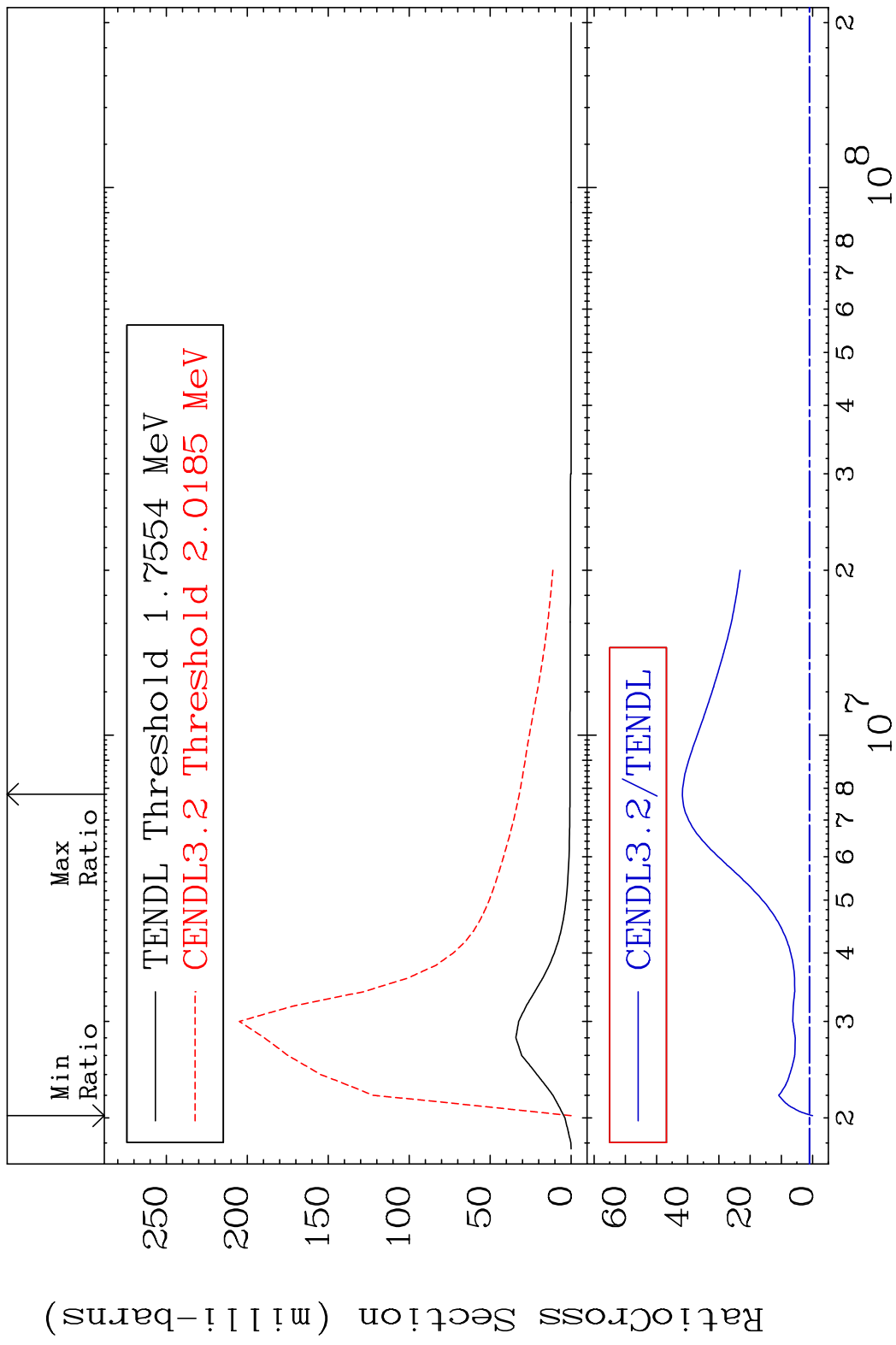


MAT 5843 MT= 55 (n, n') Level 58-Ce-142
 Cross Section -97.74 To 631.1 %

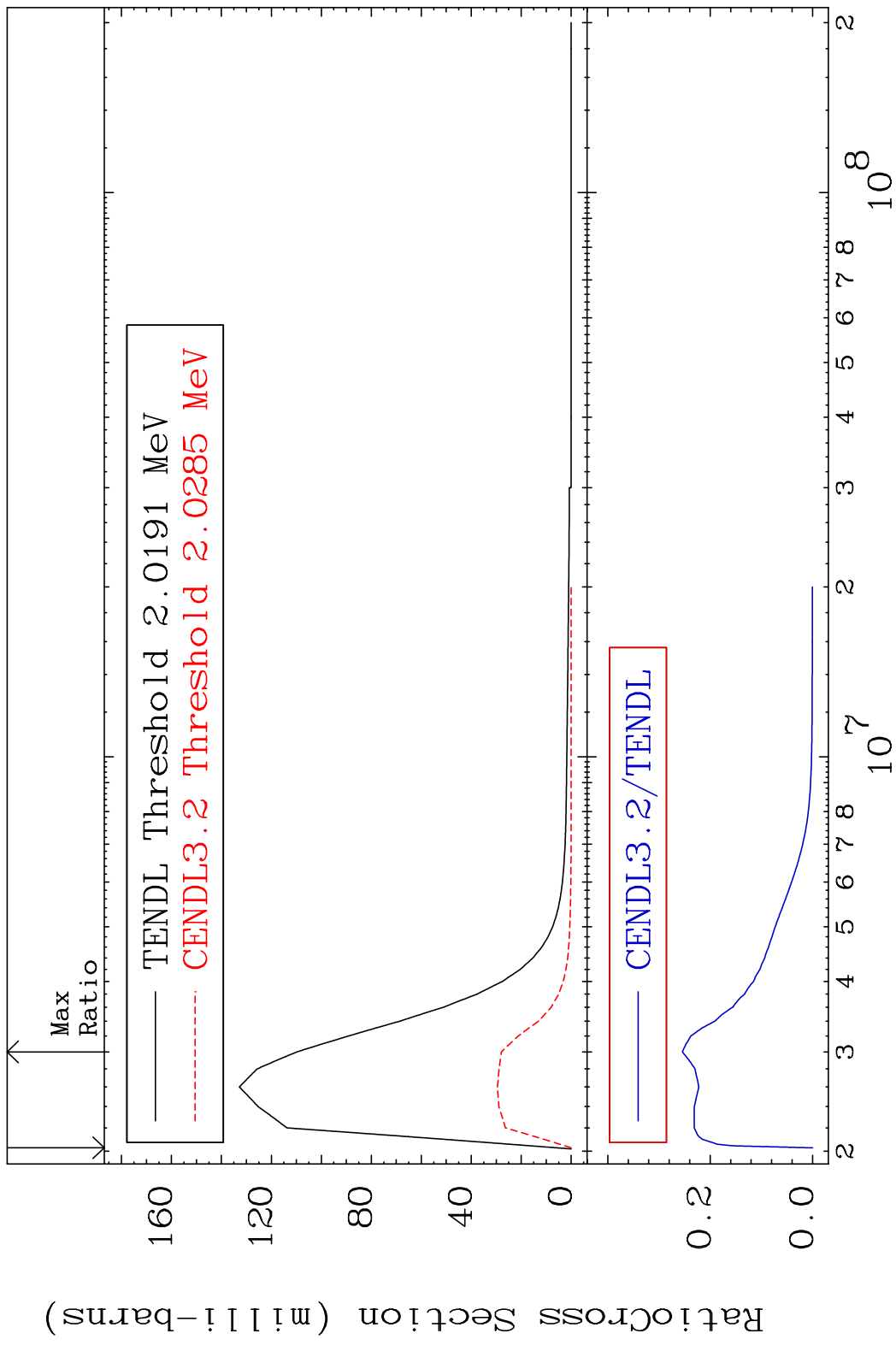


12 Incident Energy (eV) 58-Ce-142

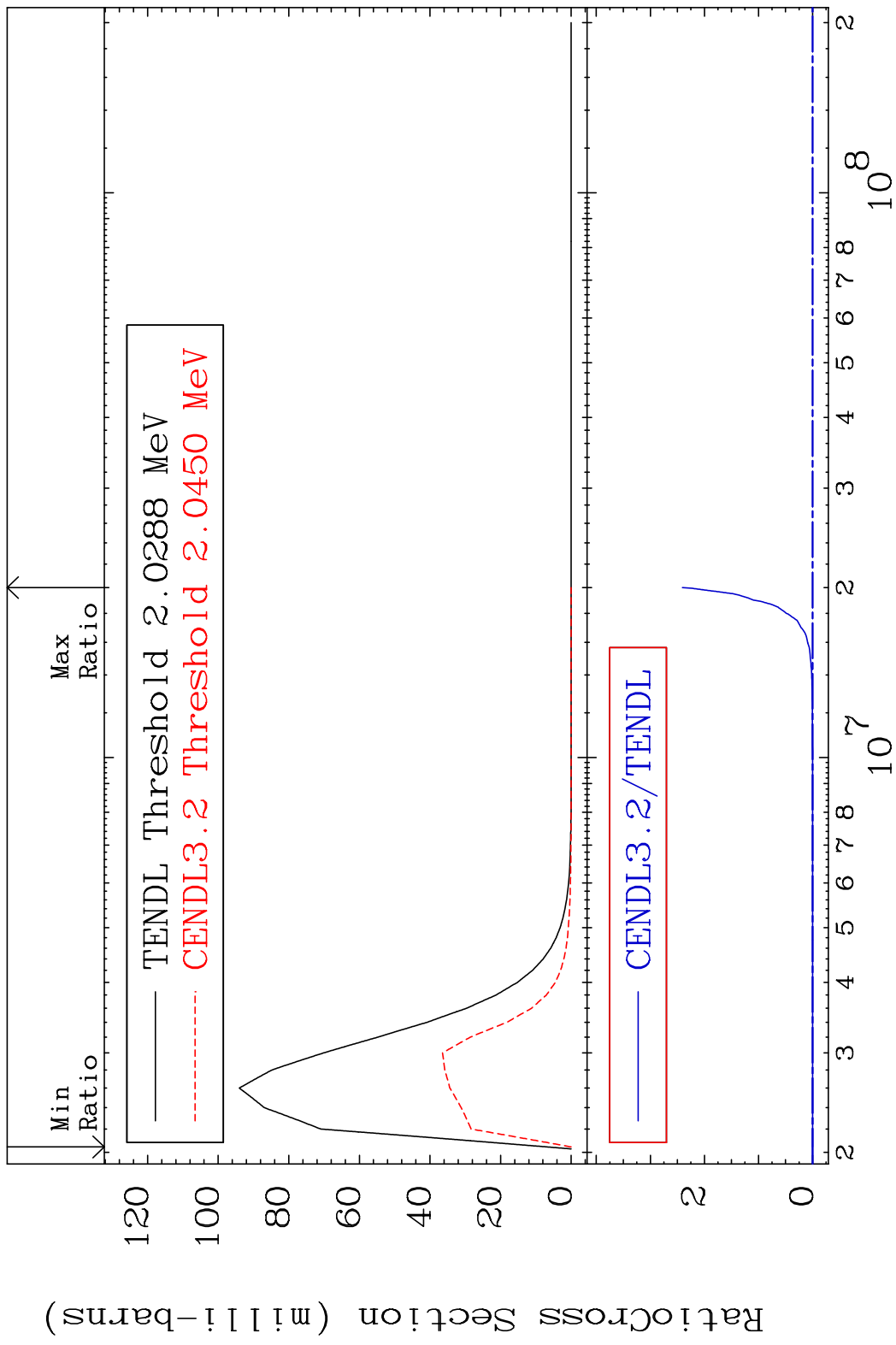
MAT 5843 MT= 56 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 4073. %



MAT 5843 MT= 57 (n,n') Level 58-Ce-142
 Cross Section -100.0 To -74.57%

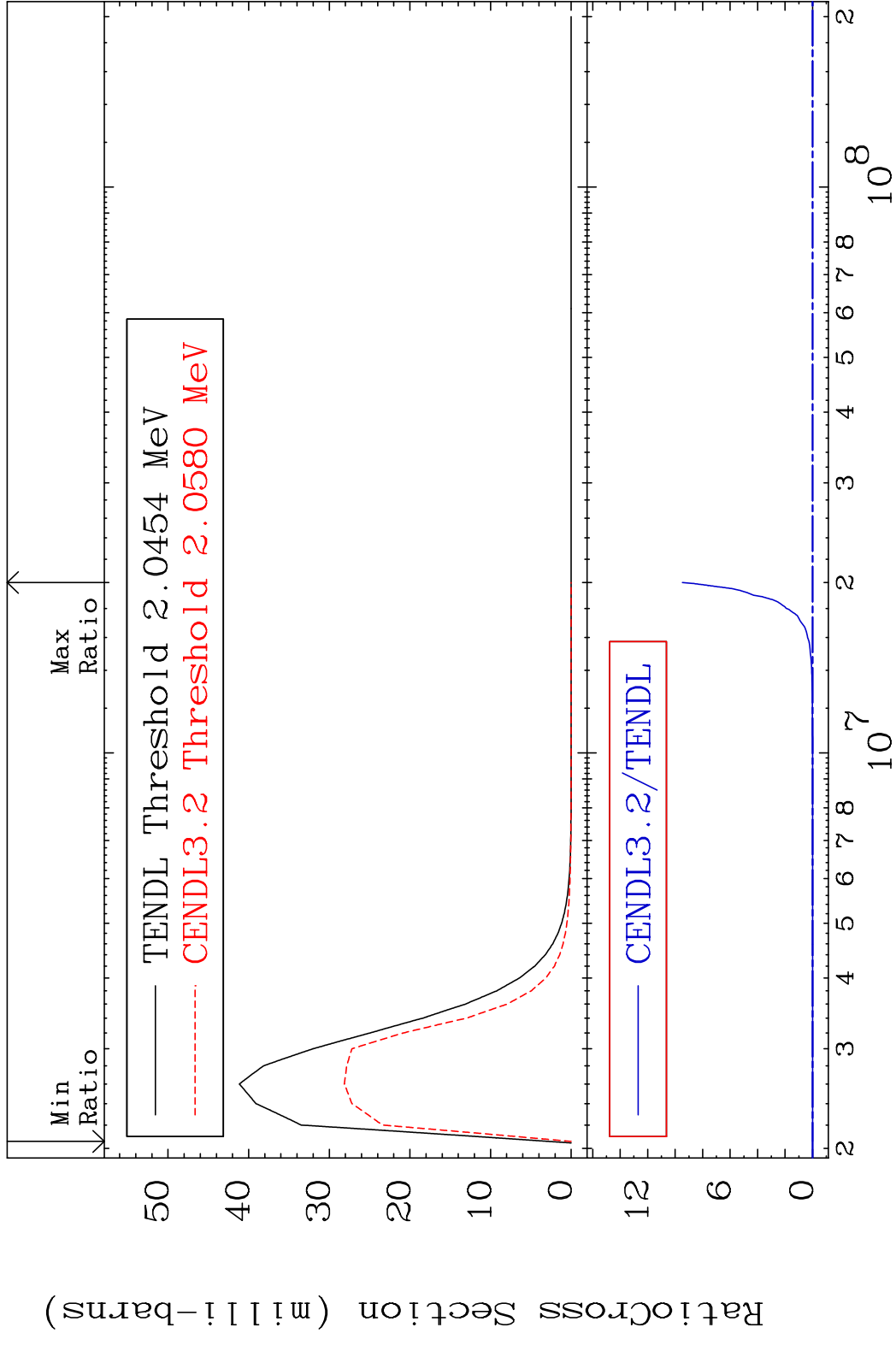


MAT 5843 MT= 58 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



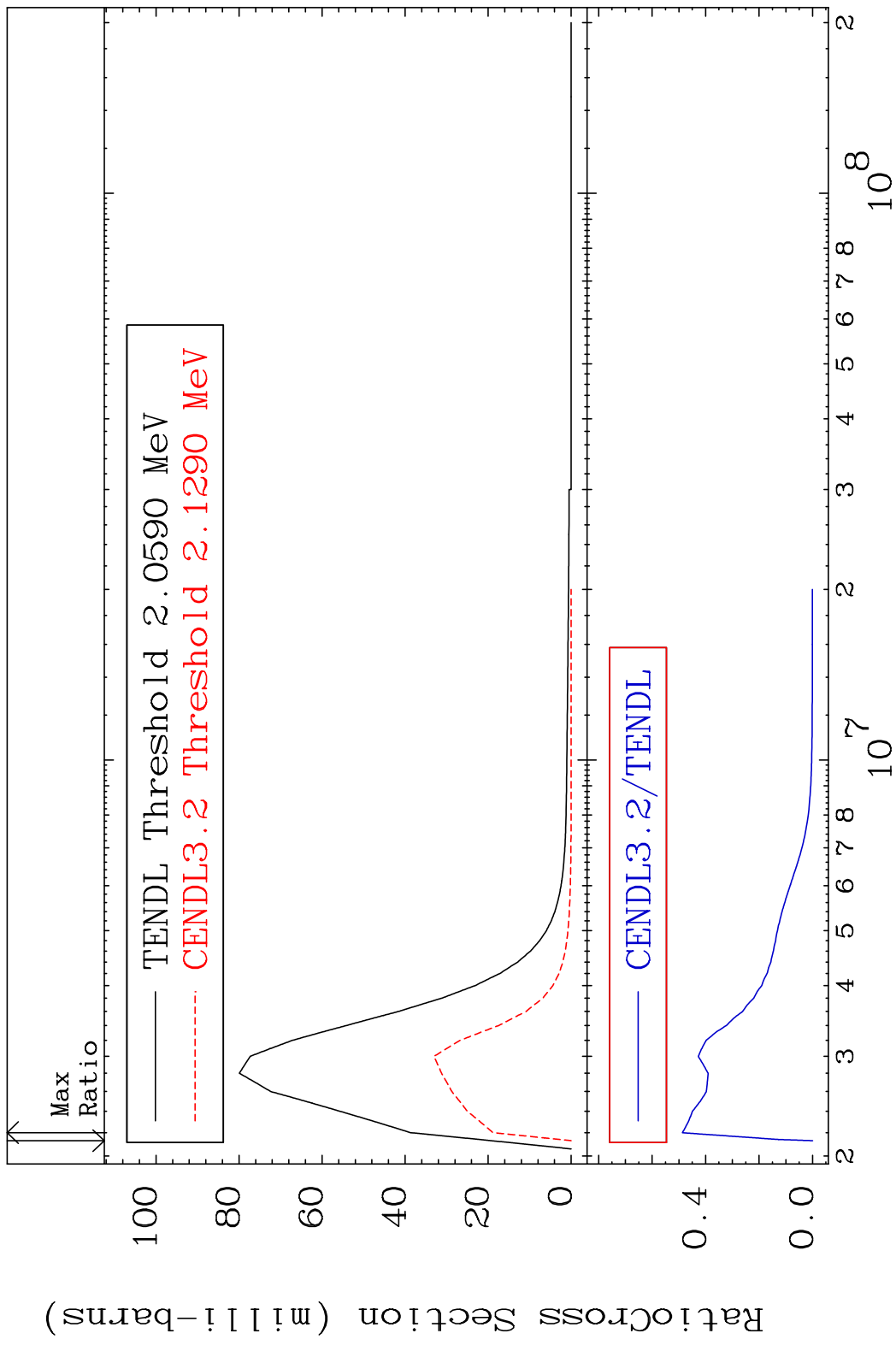
15 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 59 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %

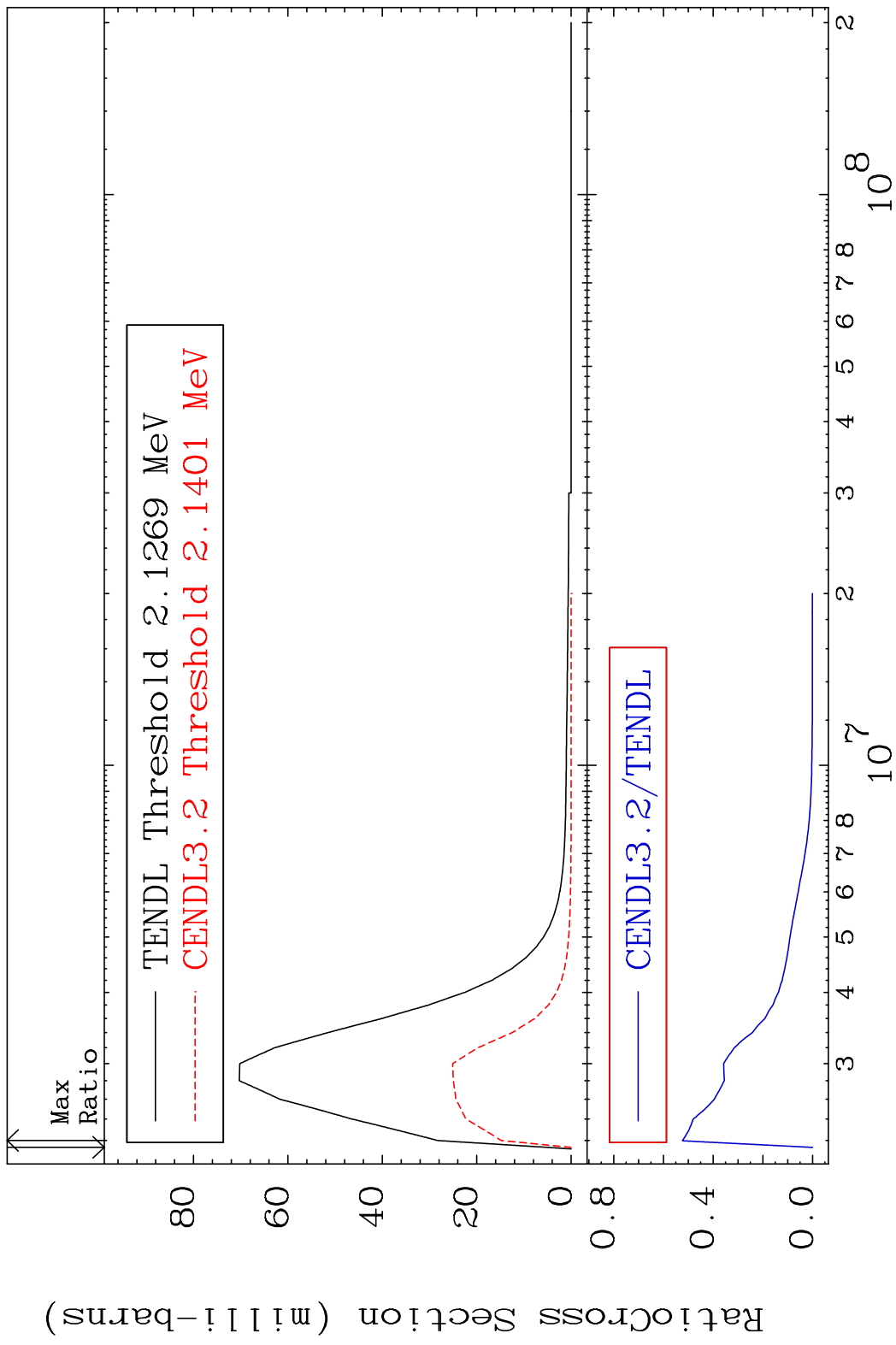


16 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 60 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -51.31%

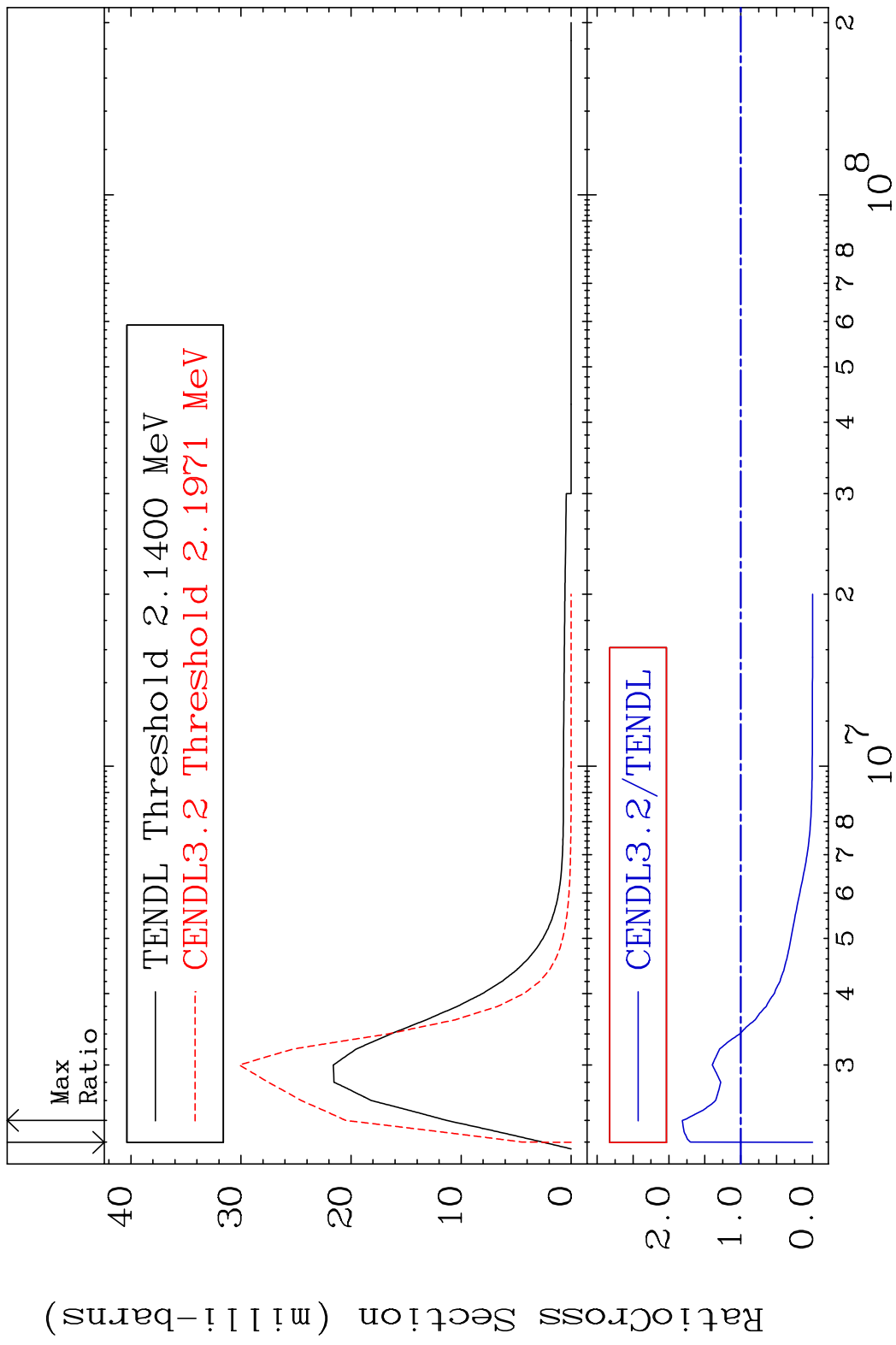


MAT 5843 MT= 61 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -47.62%

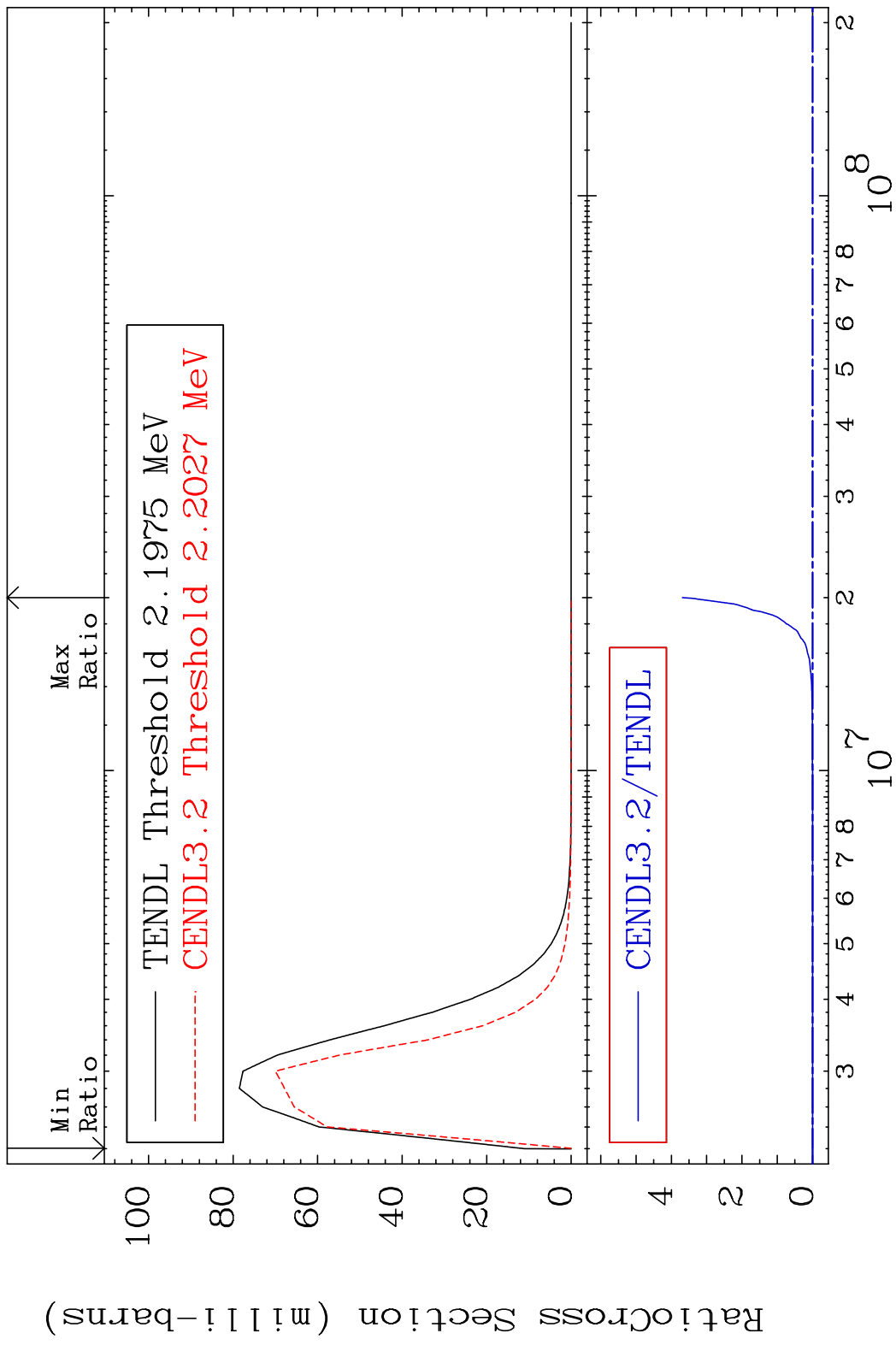


18 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 62 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 81.33 %

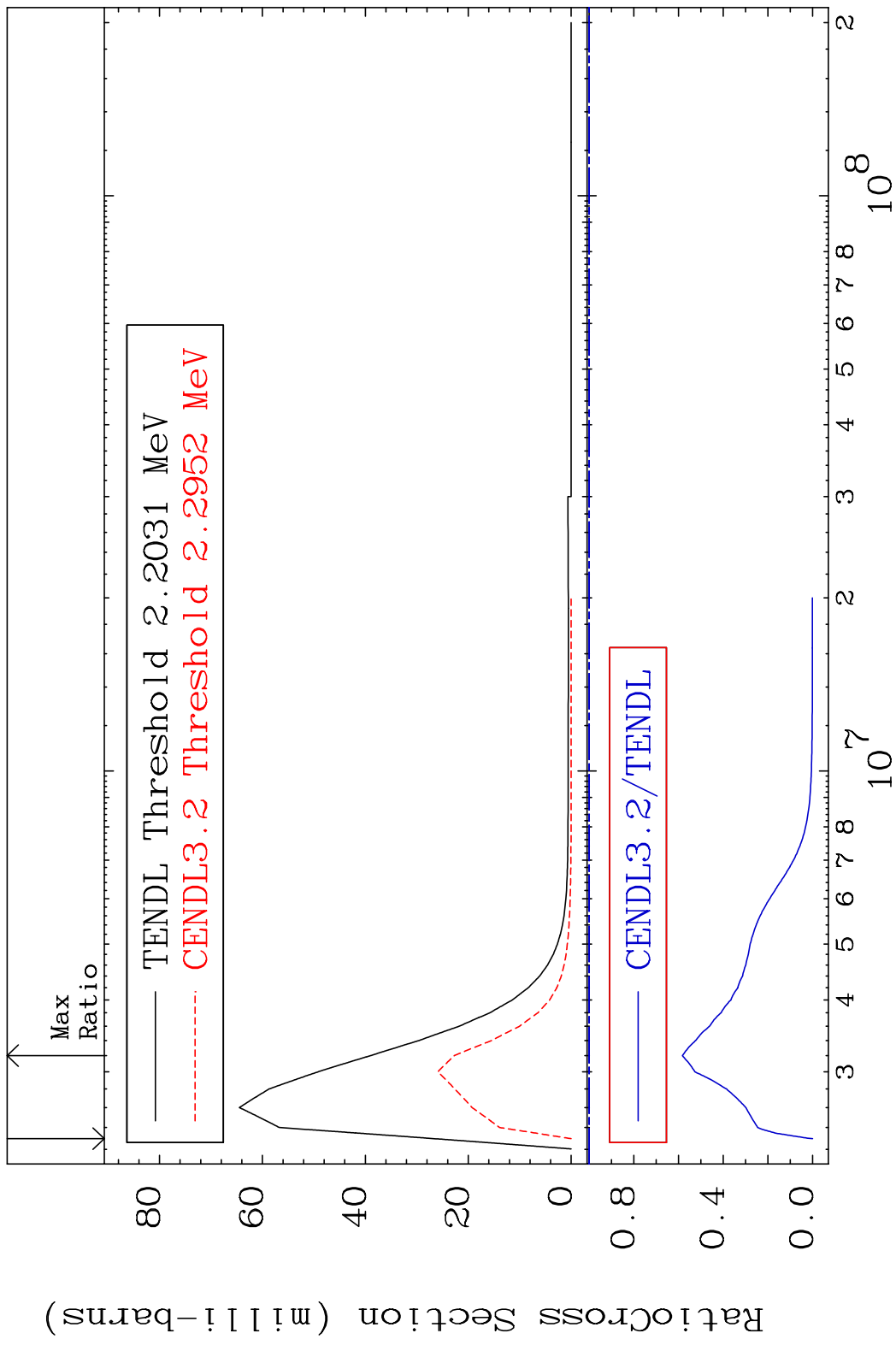


MAT 5843 MT= 63 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %

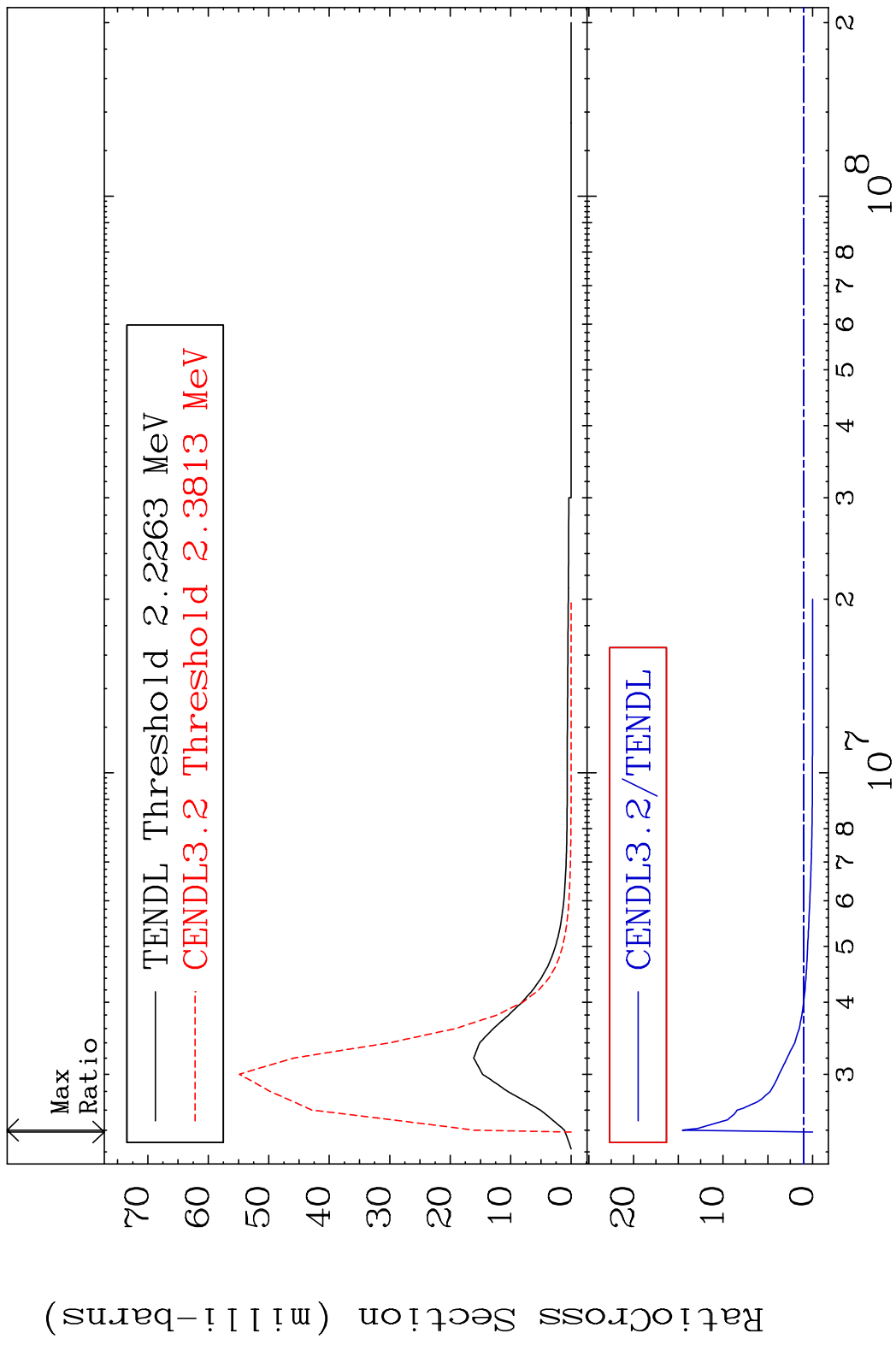


20 58-Ce-142

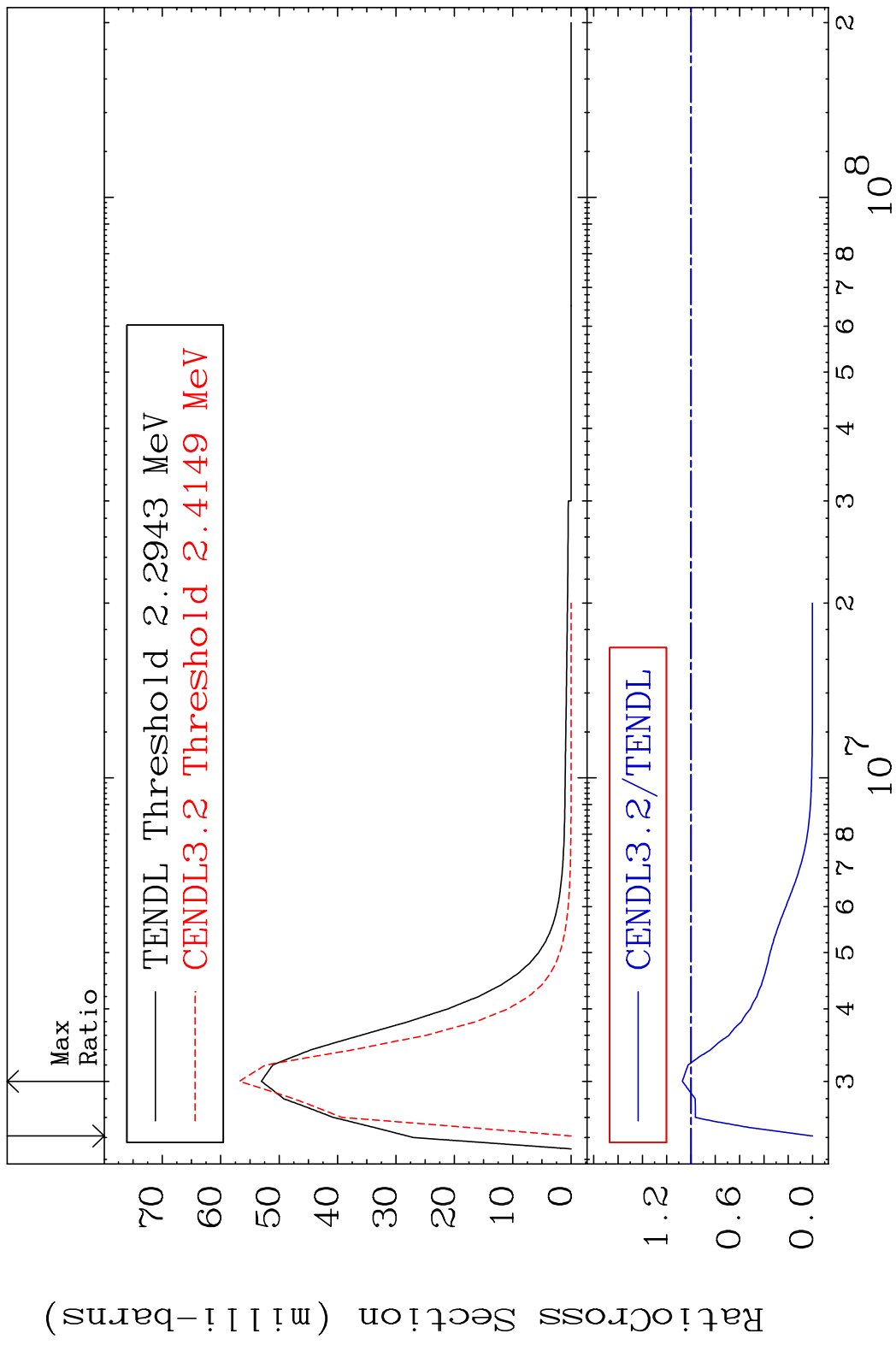
MAT 5843 MT= 64 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -41.72%



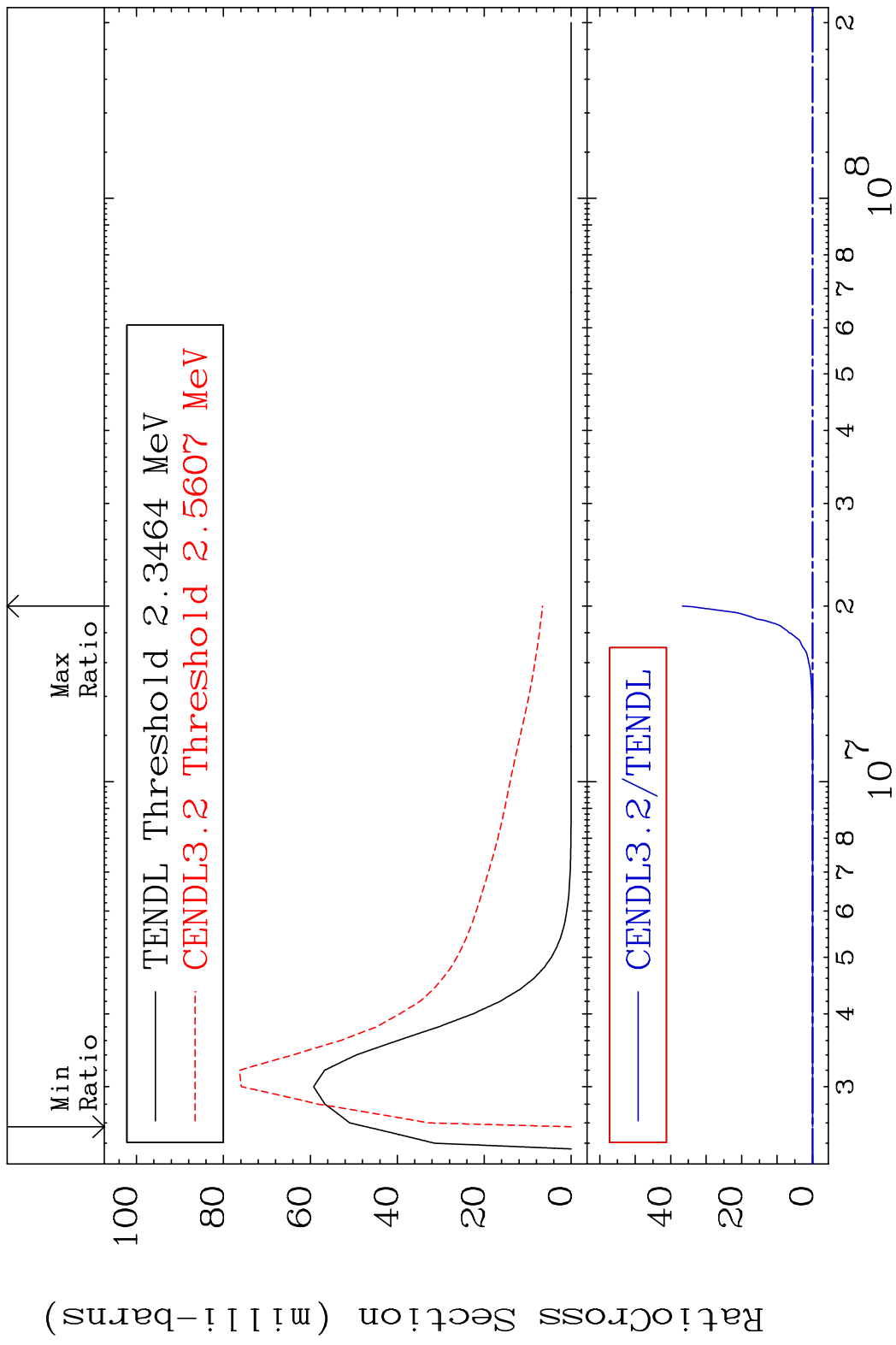
MAT 5843 MT= 65 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 1355. %



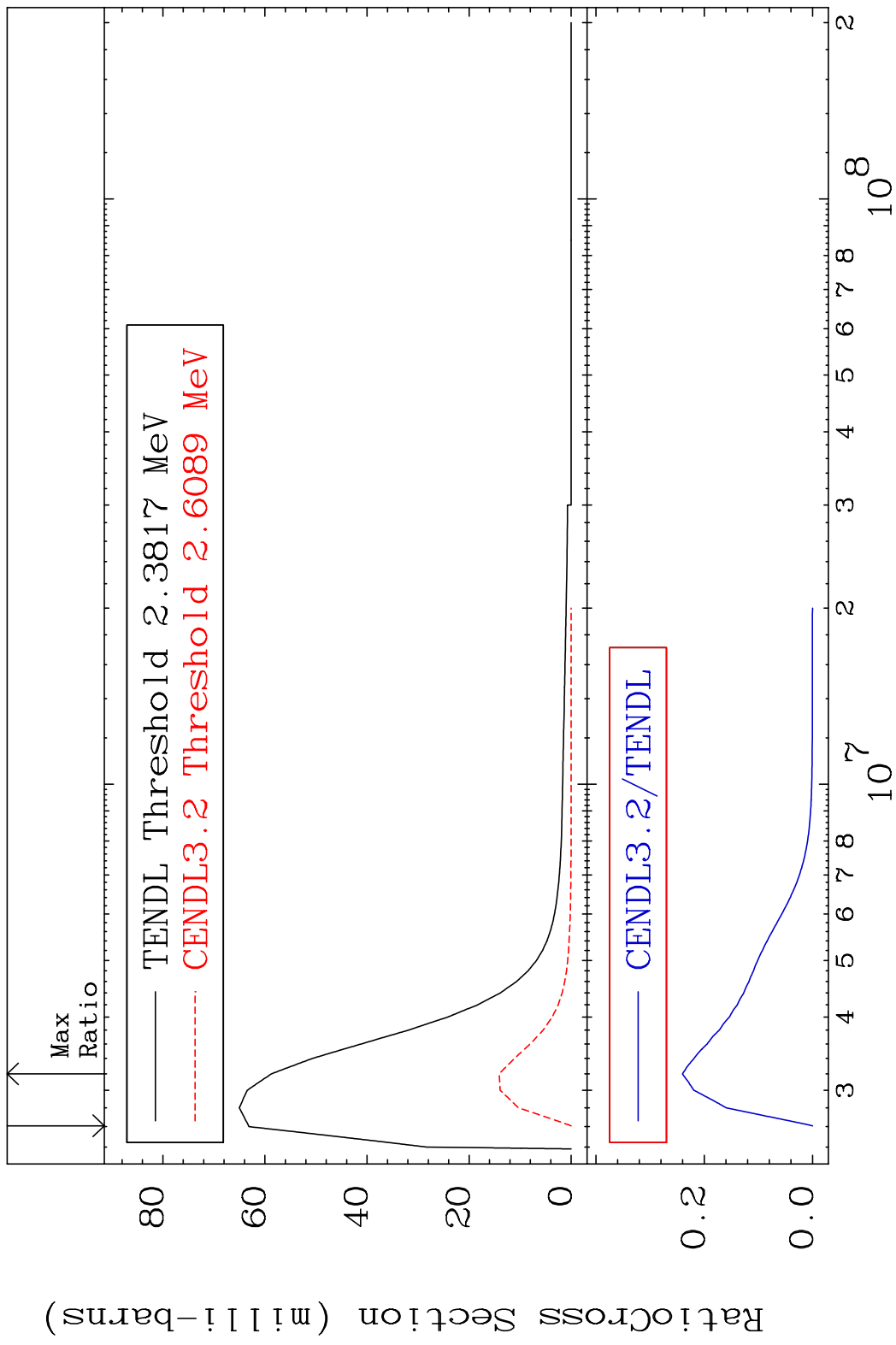
MAT 5843 MT= 66 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 7.113 %



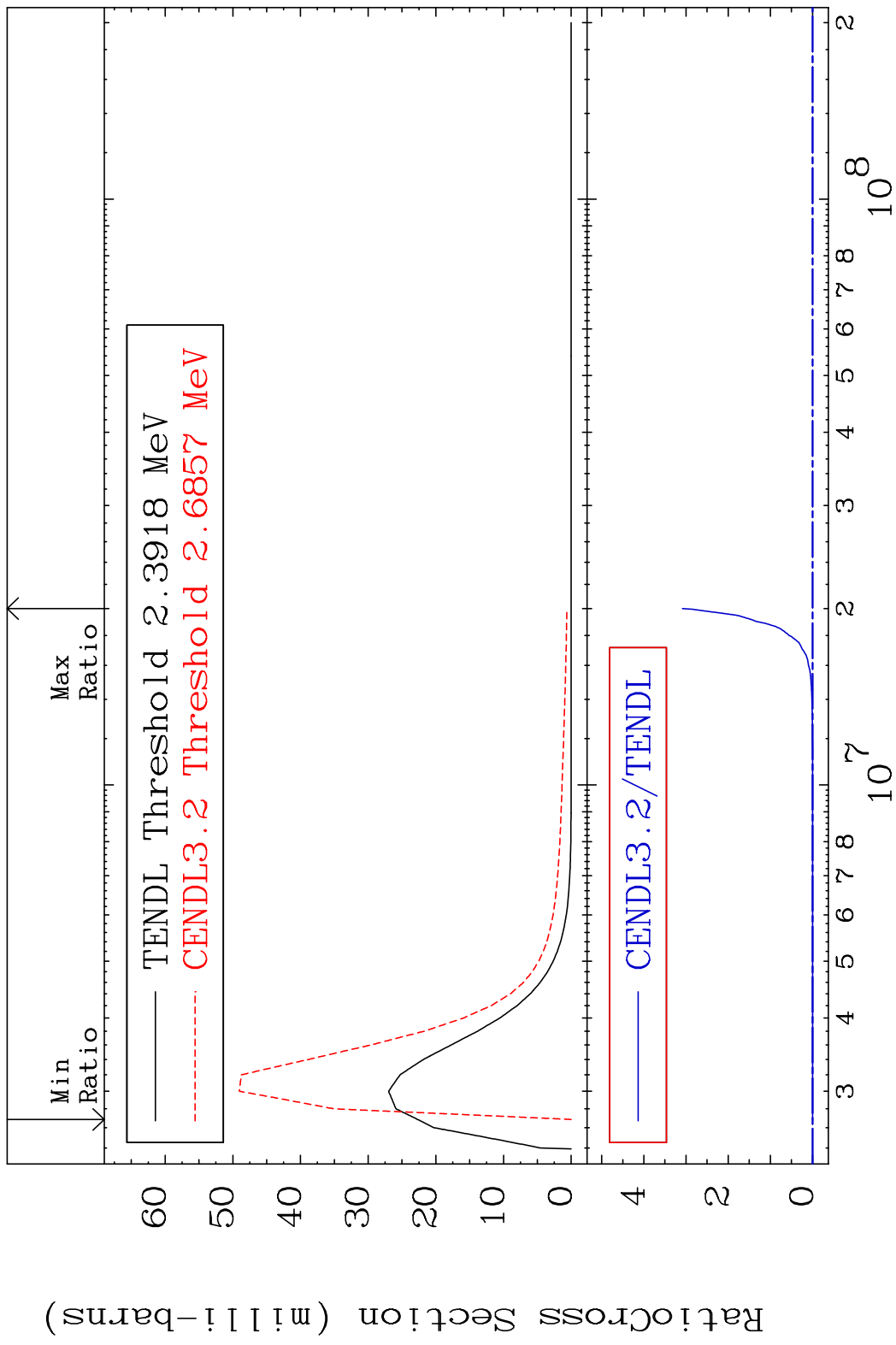
MAT 5843 MT= 67 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



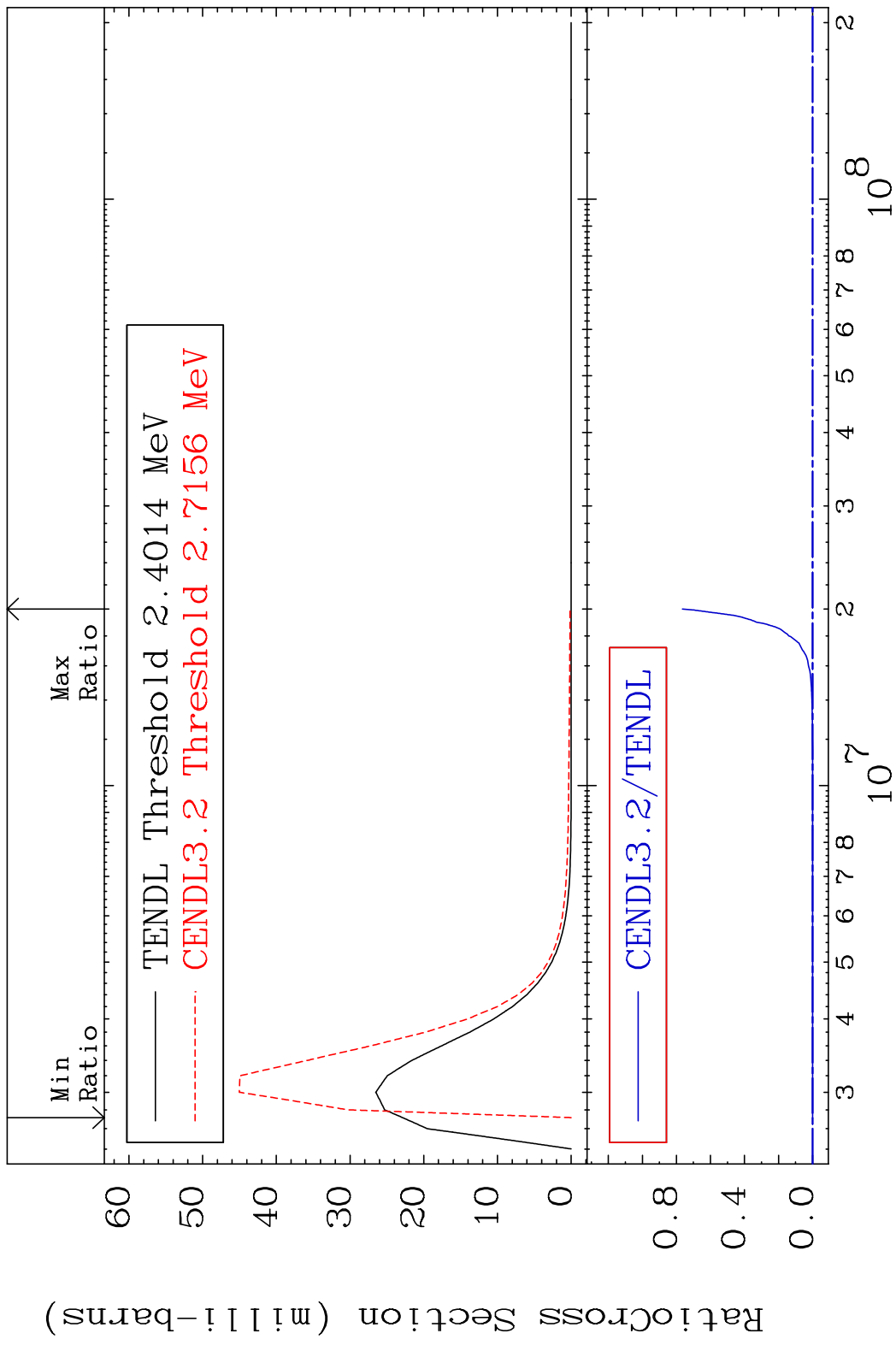
MAT 5843 MT= 68 (n,n') Level 58-Ce-142
 Cross Section -100.0 To -75.96%



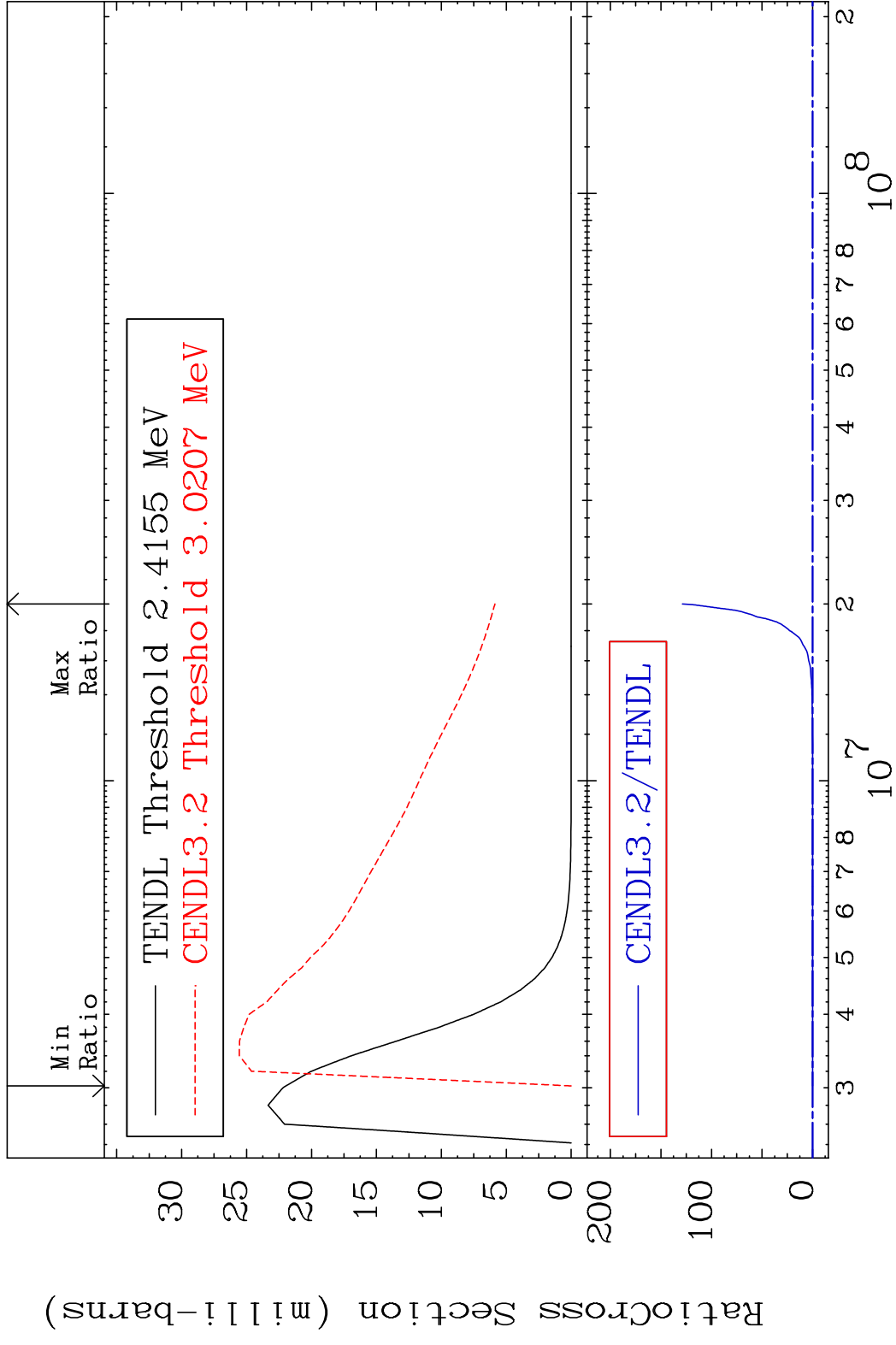
MAT 5843 MT= 69 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



MAT 5843 MT= 70 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



MAT 5843 MT= 71 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %

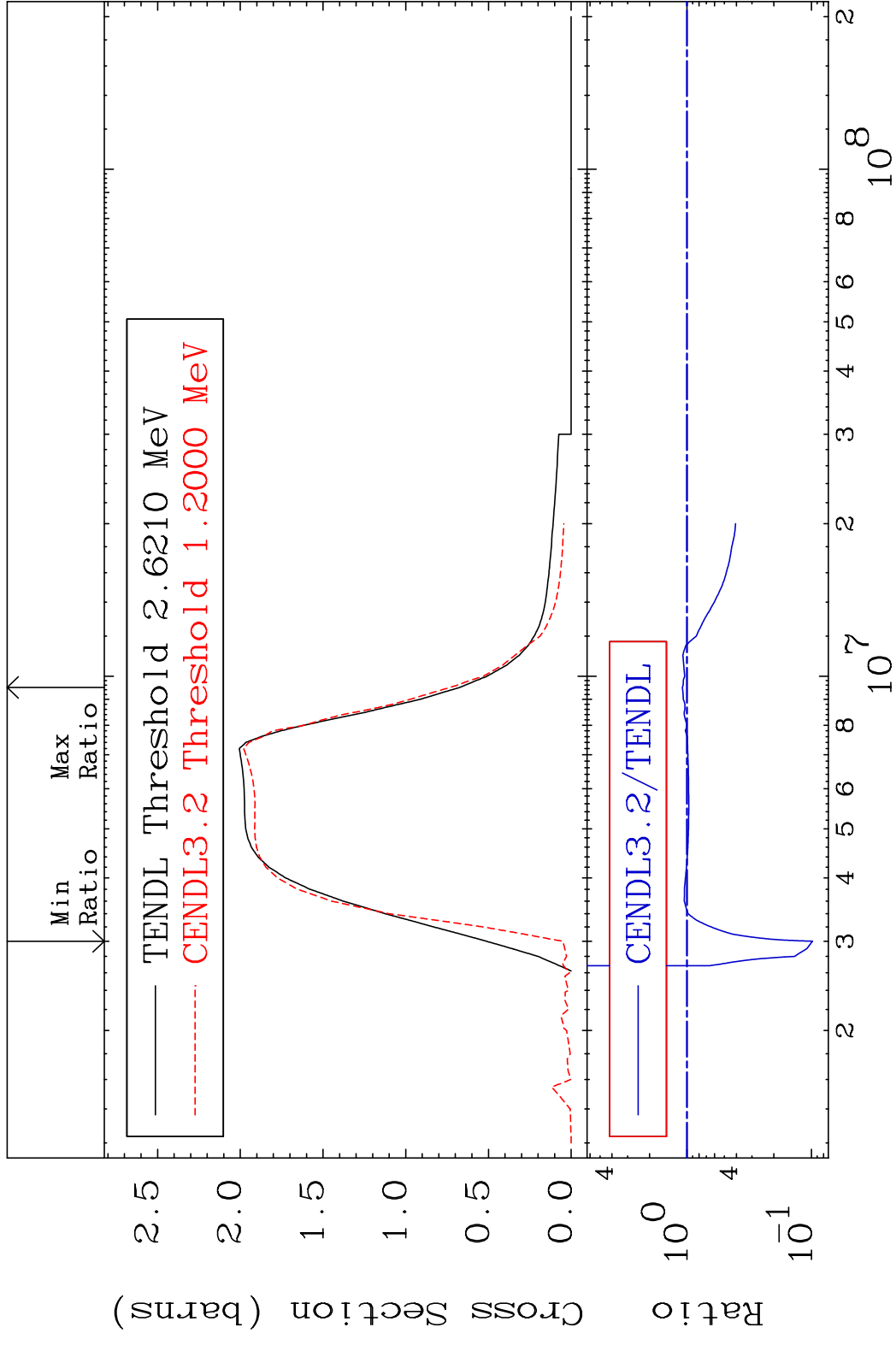


MAT 5843

(n, n') Continuum

58-Ce-142

Cross Section -90.21 To 8.885 %



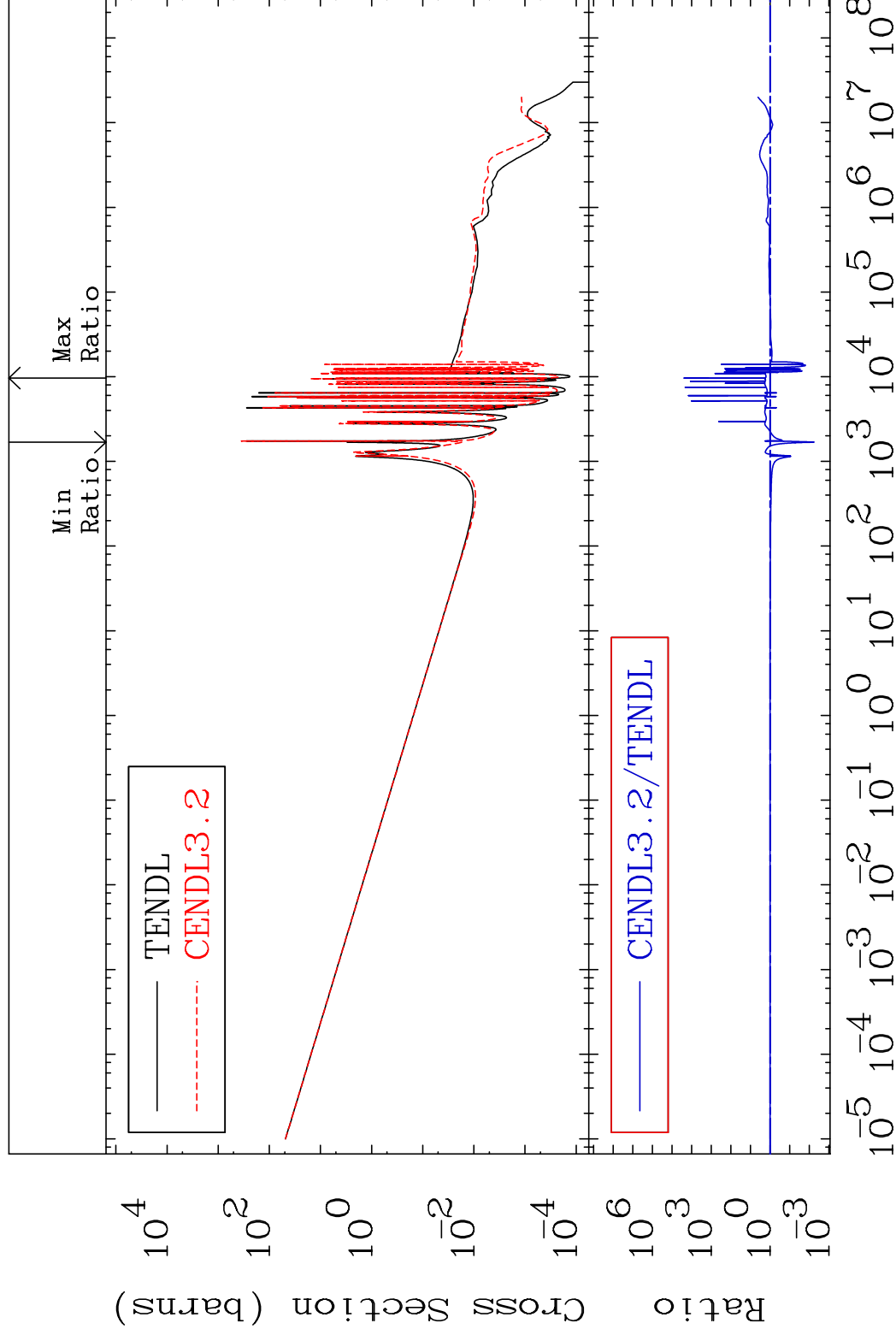
MAT 5843

(n, γ)

58-Ce-142

Cross Section

-99.44 To 9999. %



30

Incident Energy (eV)

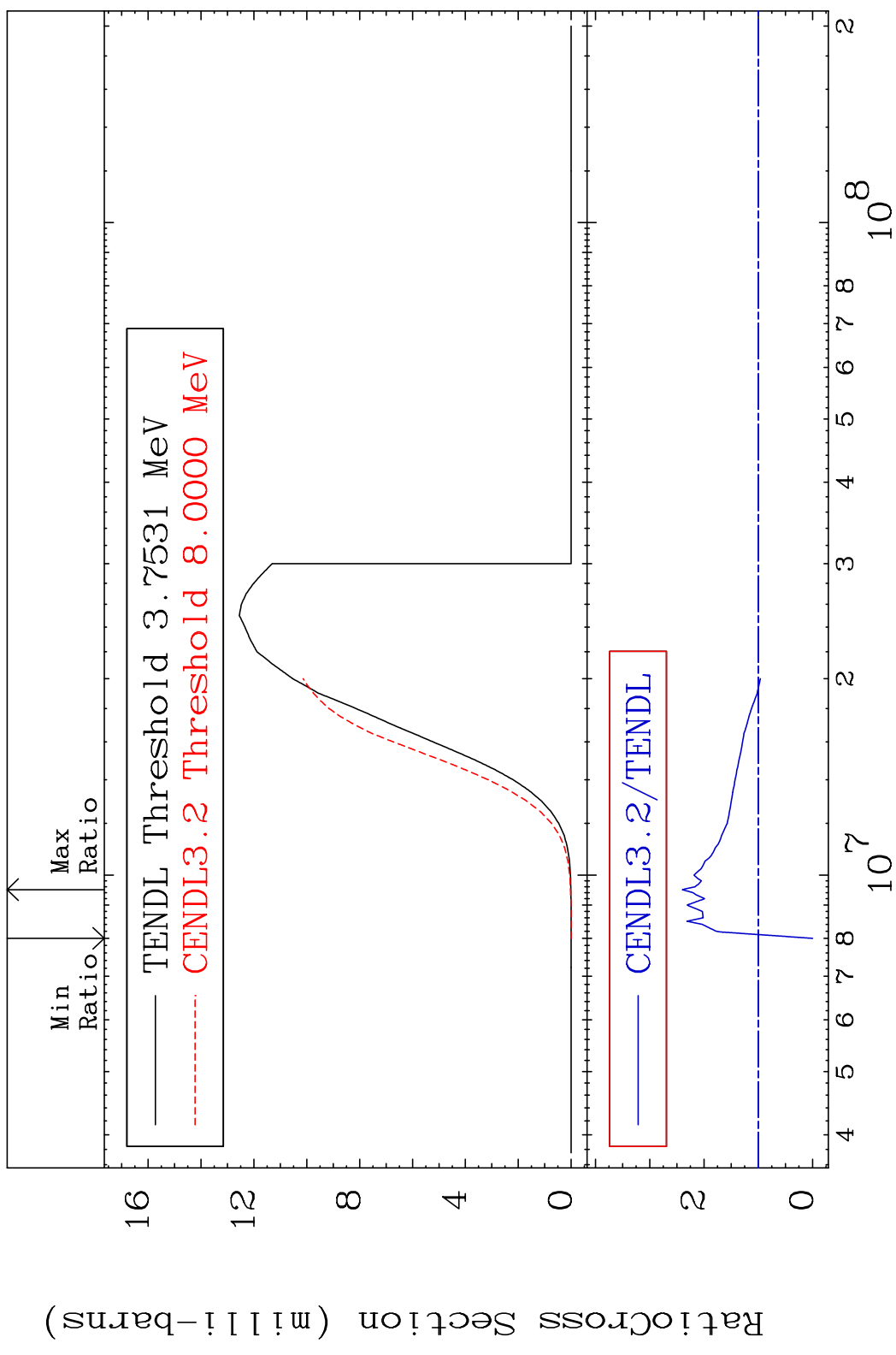
58-Ce-142

MAT 5843

(n,p)

58-Ce-142

Cross Section -100.0 To 139.9 %

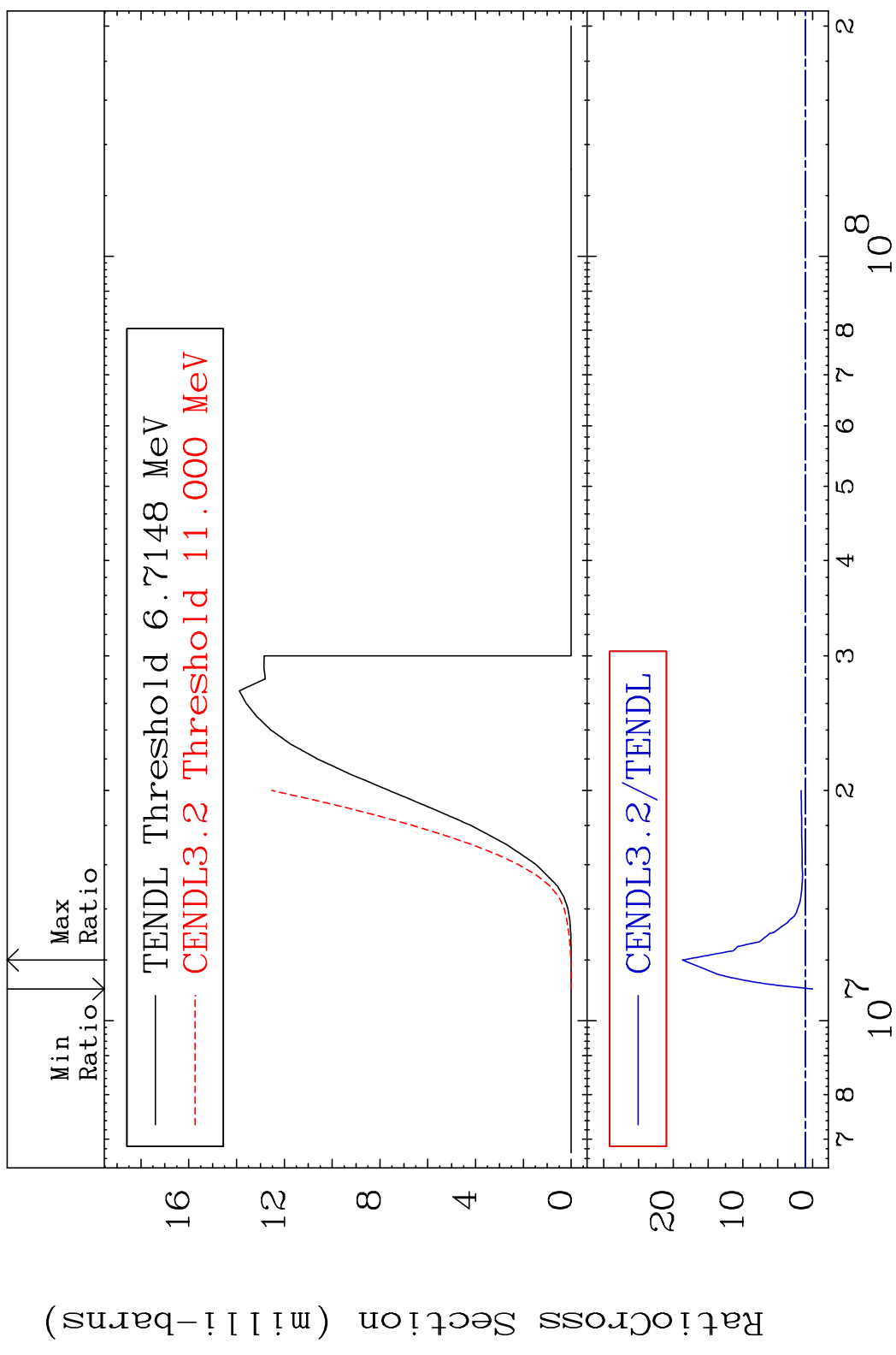


MAT 5843

(n,d)

58-Ce-142

Cross Section -100.0 To 1770. %

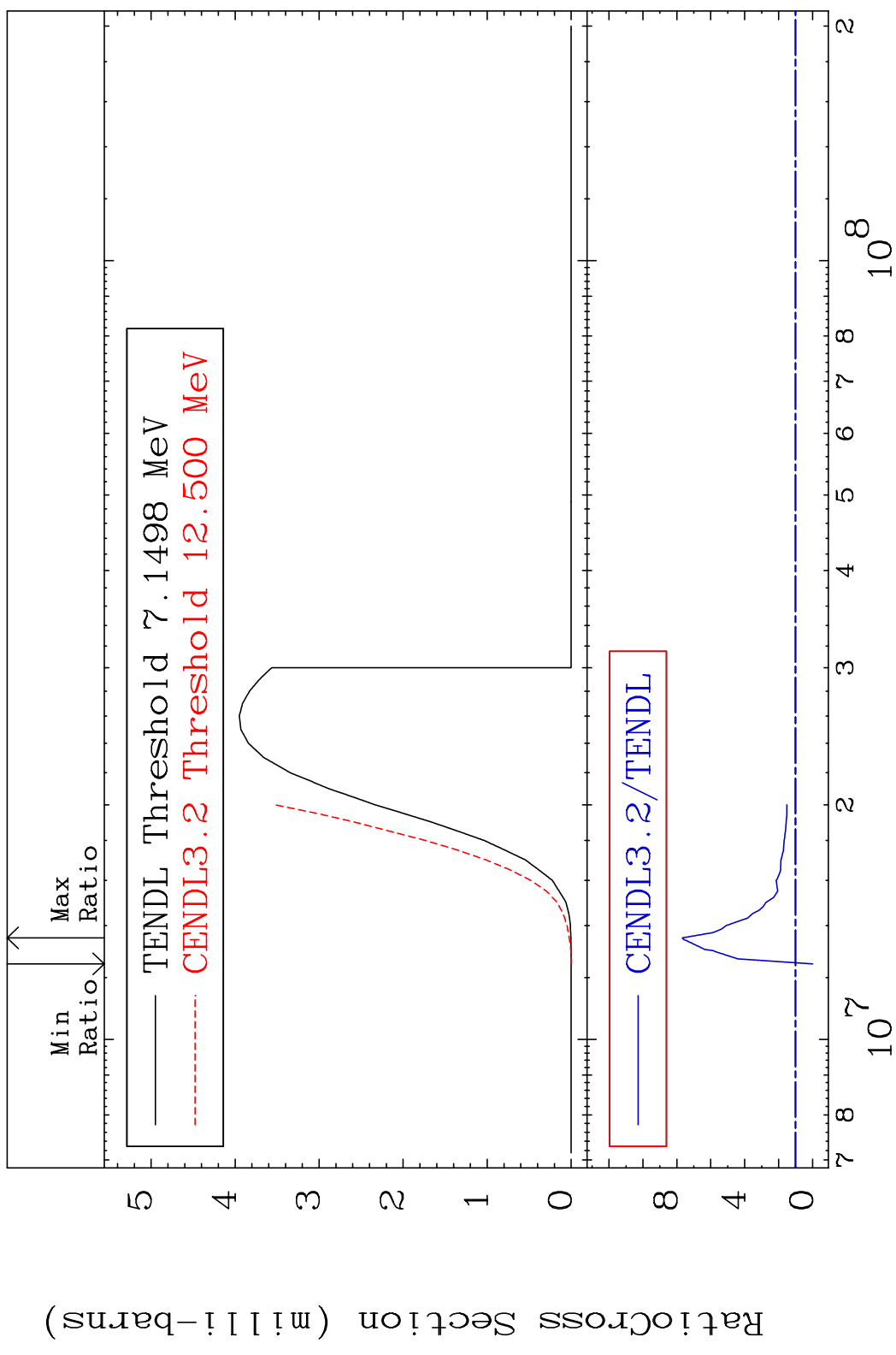


MAT 5843

(n, t)

58-Ce-142

Cross Section -100.0 To 667.6 %



33

Incident Energy (eV)

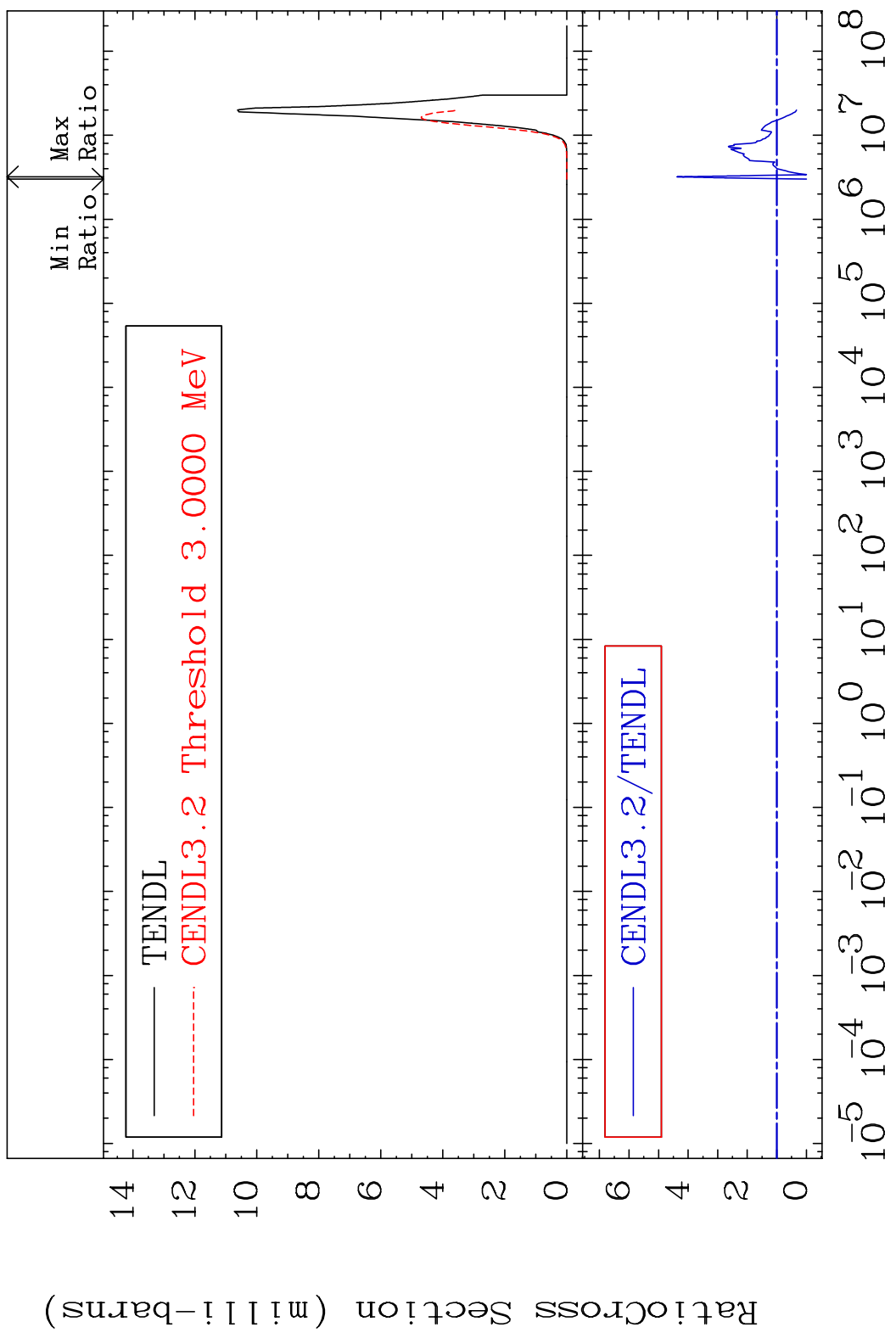
58-Ce-142

MAT 5843

(n, α)

58-Ce-142

Cross Section -100.0 To 337.0 %



34

Incident Energy (eV)

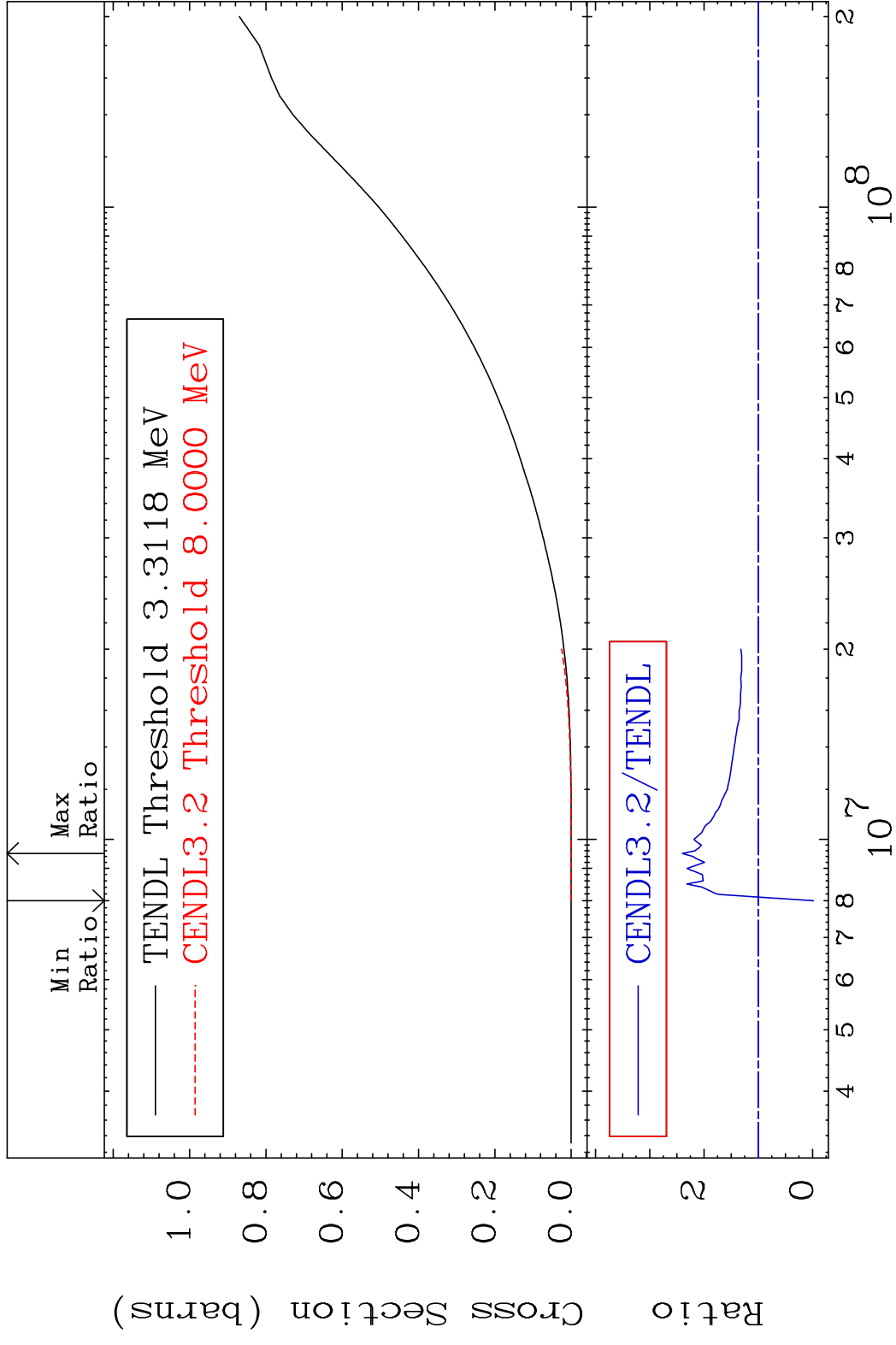
58-Ce-142

MAT 5843

Hydrogen Production

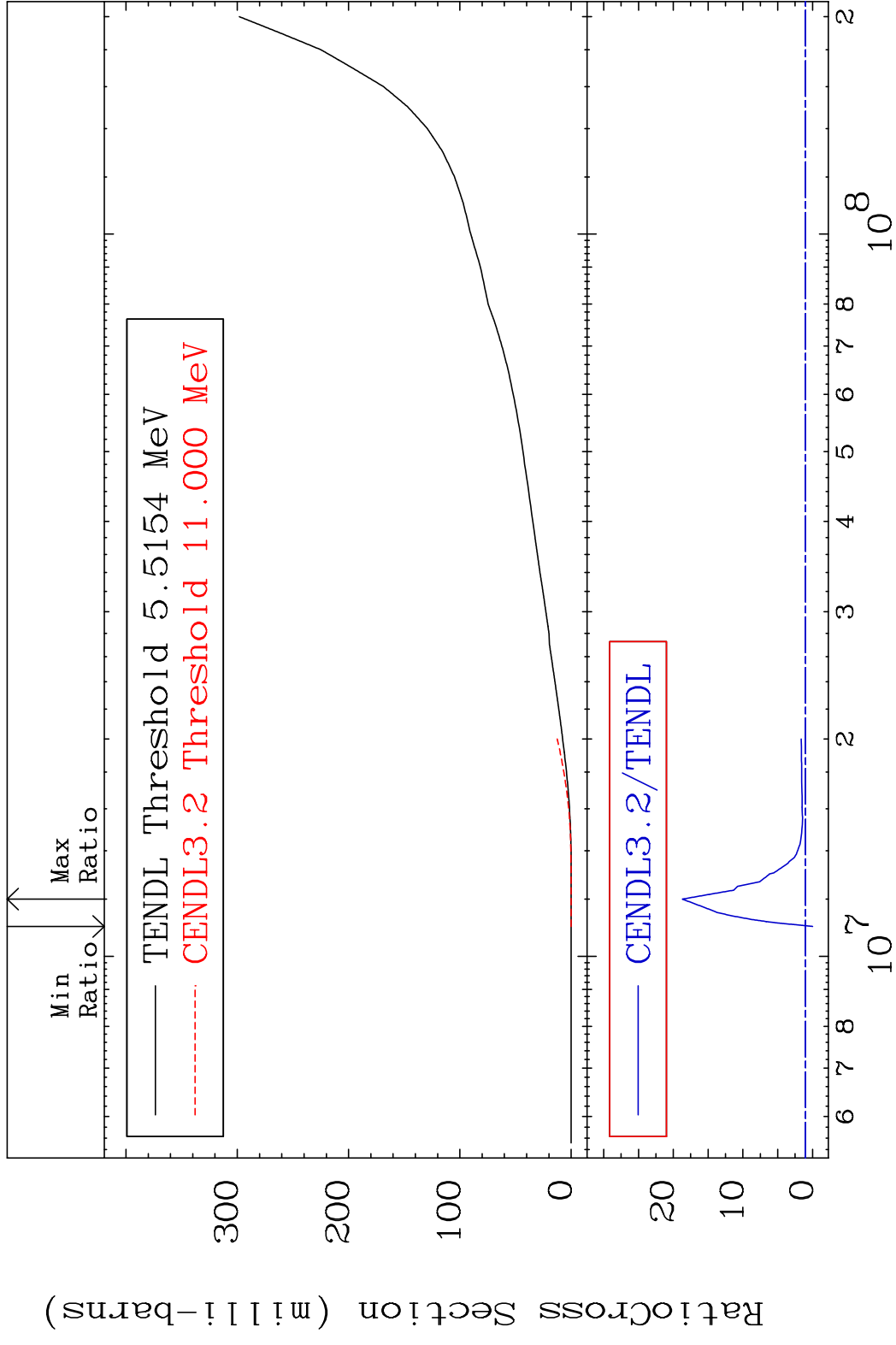
58-Ce-142

Cross Section -100.0 To 139.9 %



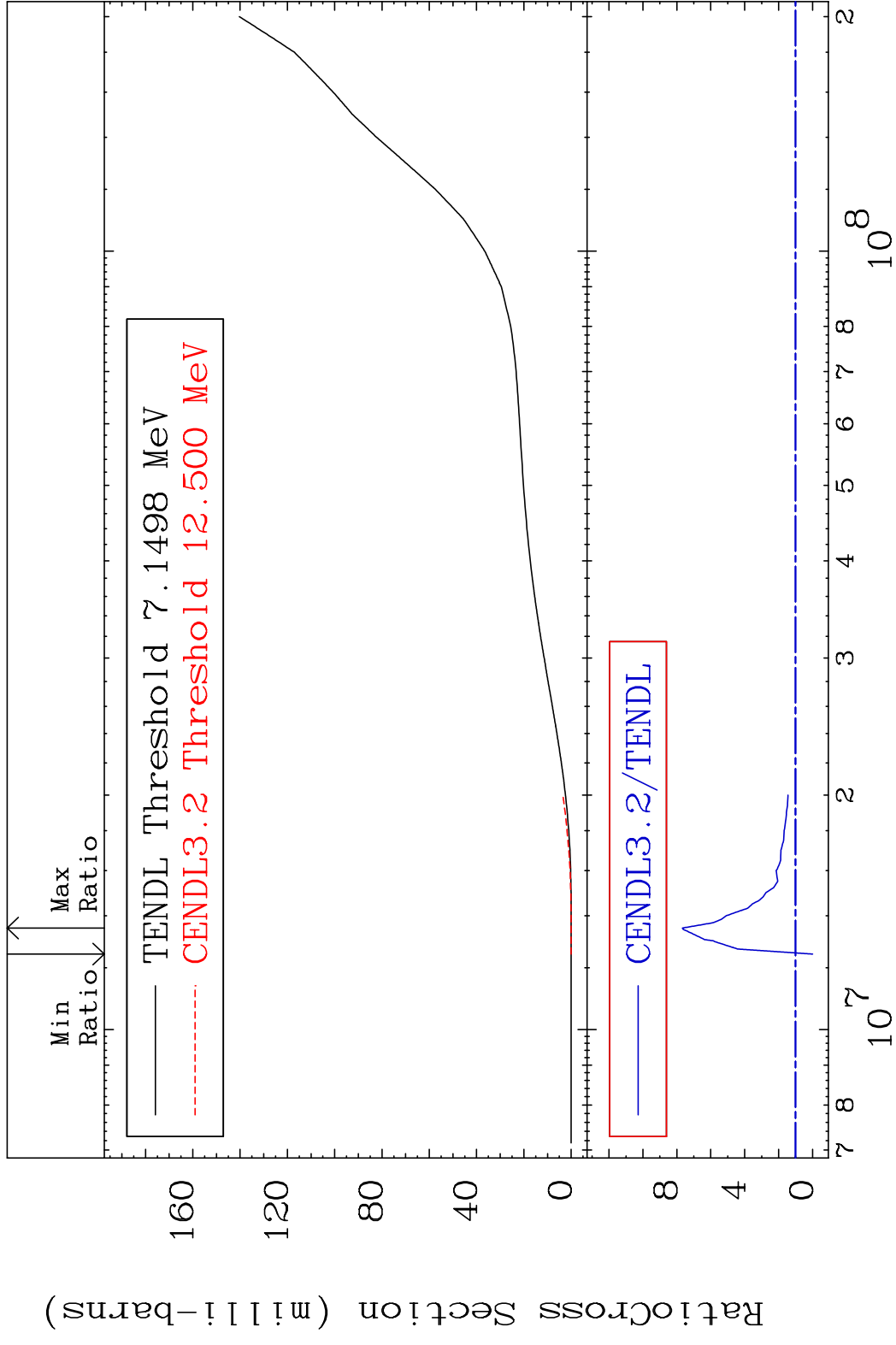
MAT 5843

Deuterium Production 58-Ce-142
Cross Section -100.0 To 1770. %



MAT 5843

Tritium Production 58-Ce-142
Cross Section -100.0 To 667.6 %

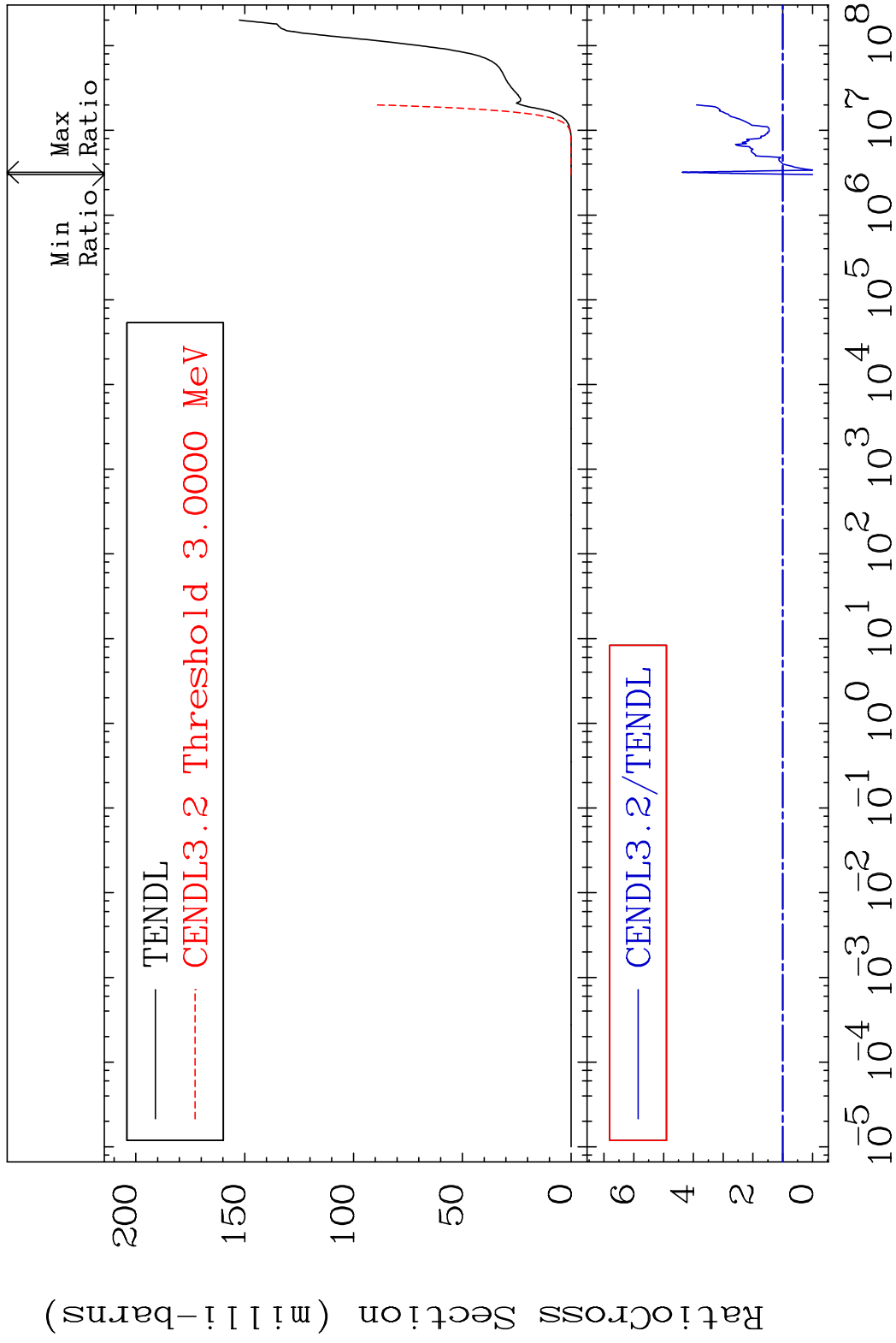


MAT 5843

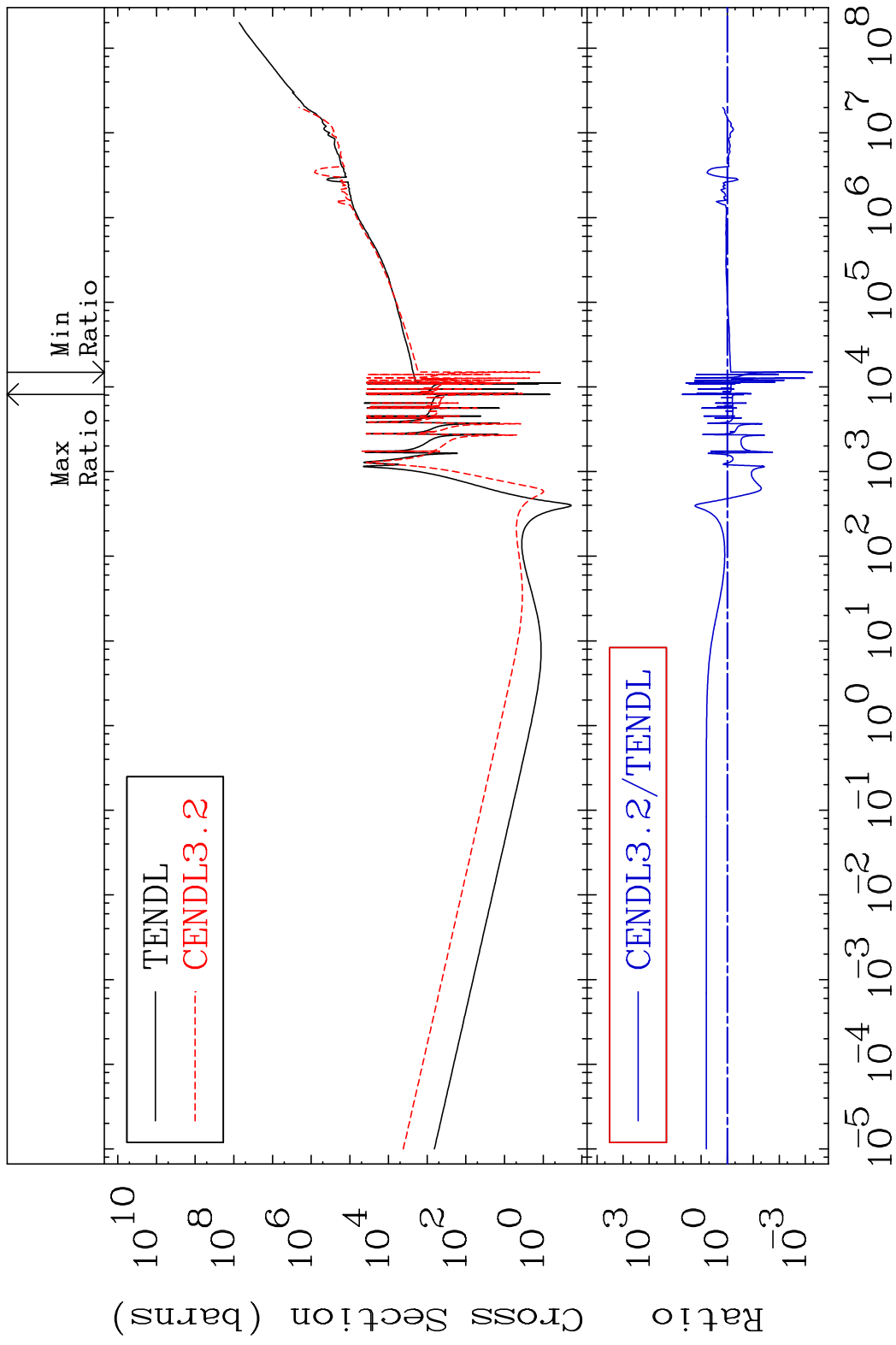
He-4 Production

58-Ce-142

Cross Section -100.0 To 337.0 %



MAT 5843 Kerma total (eV-barns) 58-Ce-142
 Cross Section -99.95 To 5189. %

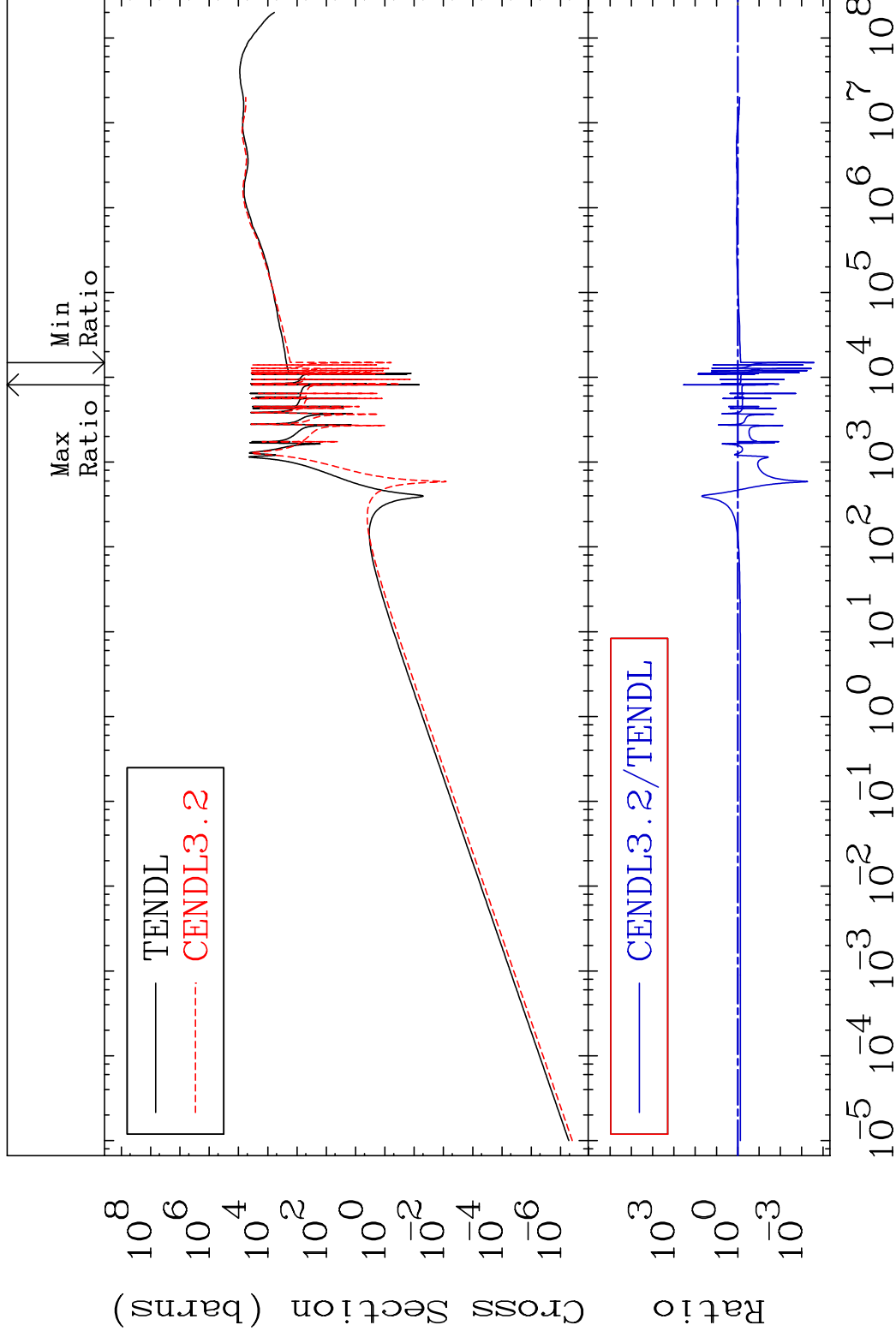


MAT 5843

Kerma elastic

58-Ce-142

Cross Section -99.97 To 9999. %

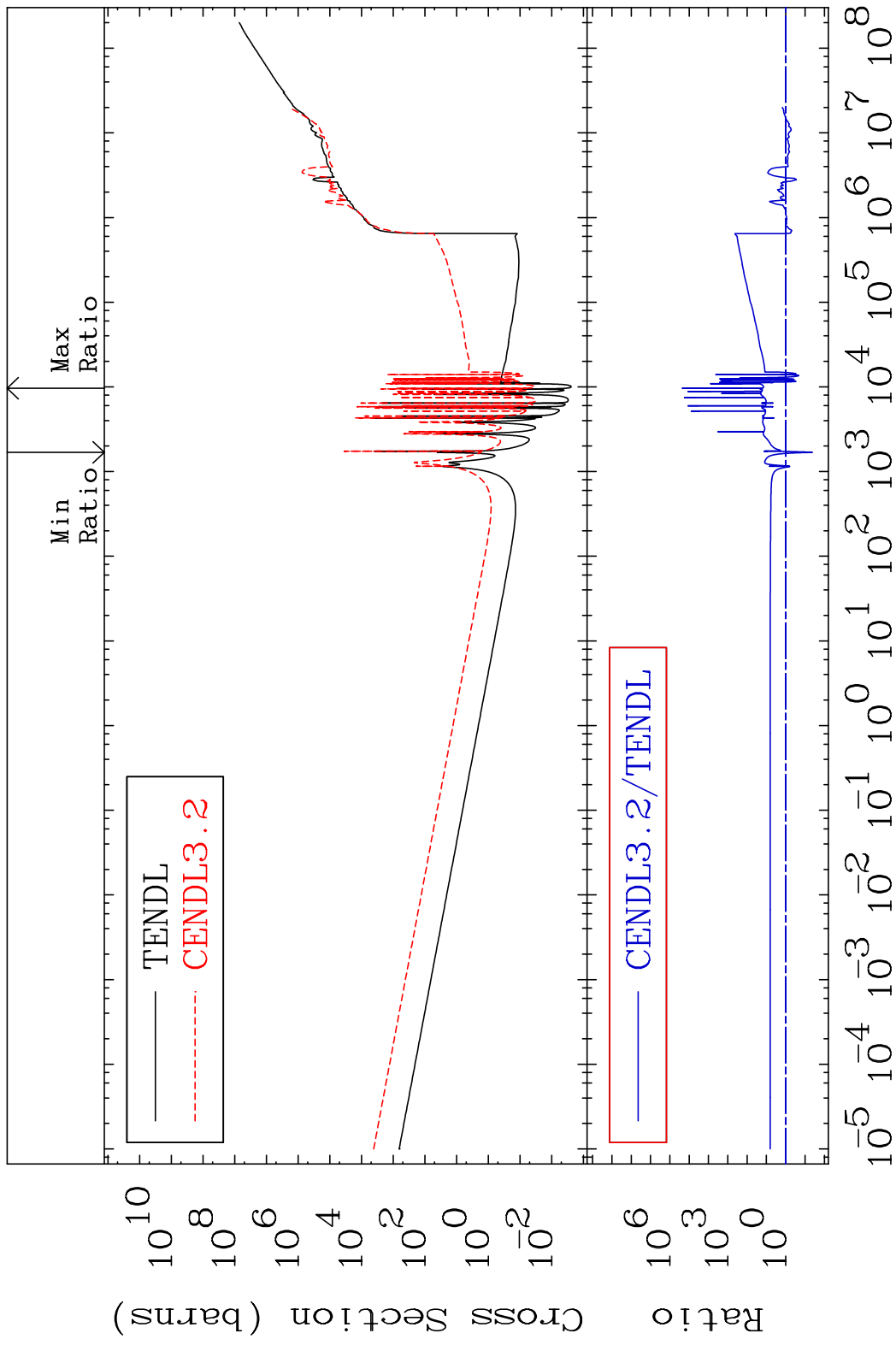


40

Incident Energy (eV)

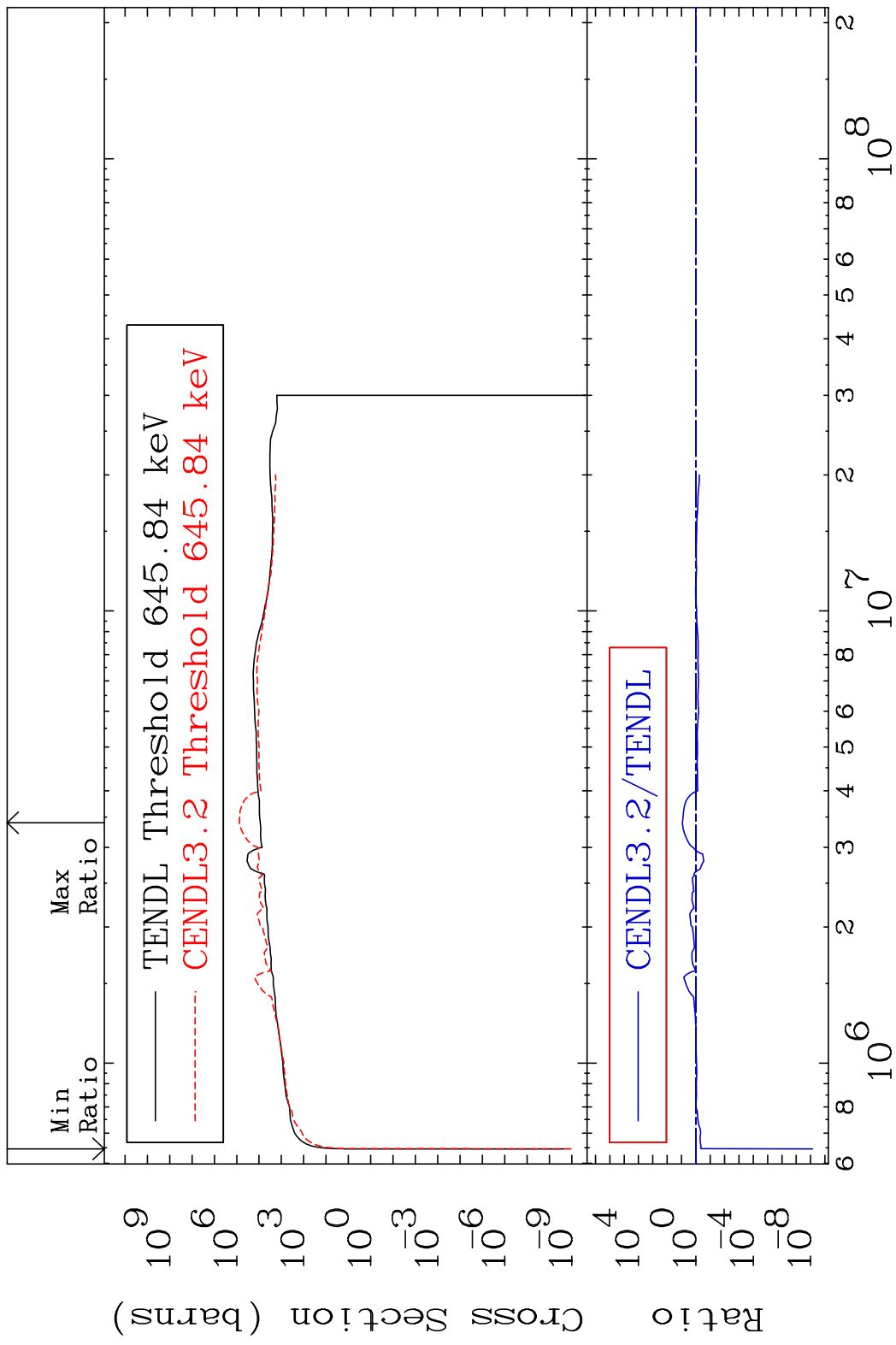
58-Ce-142

MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142
 Cross Section -95.91 To 9999. %

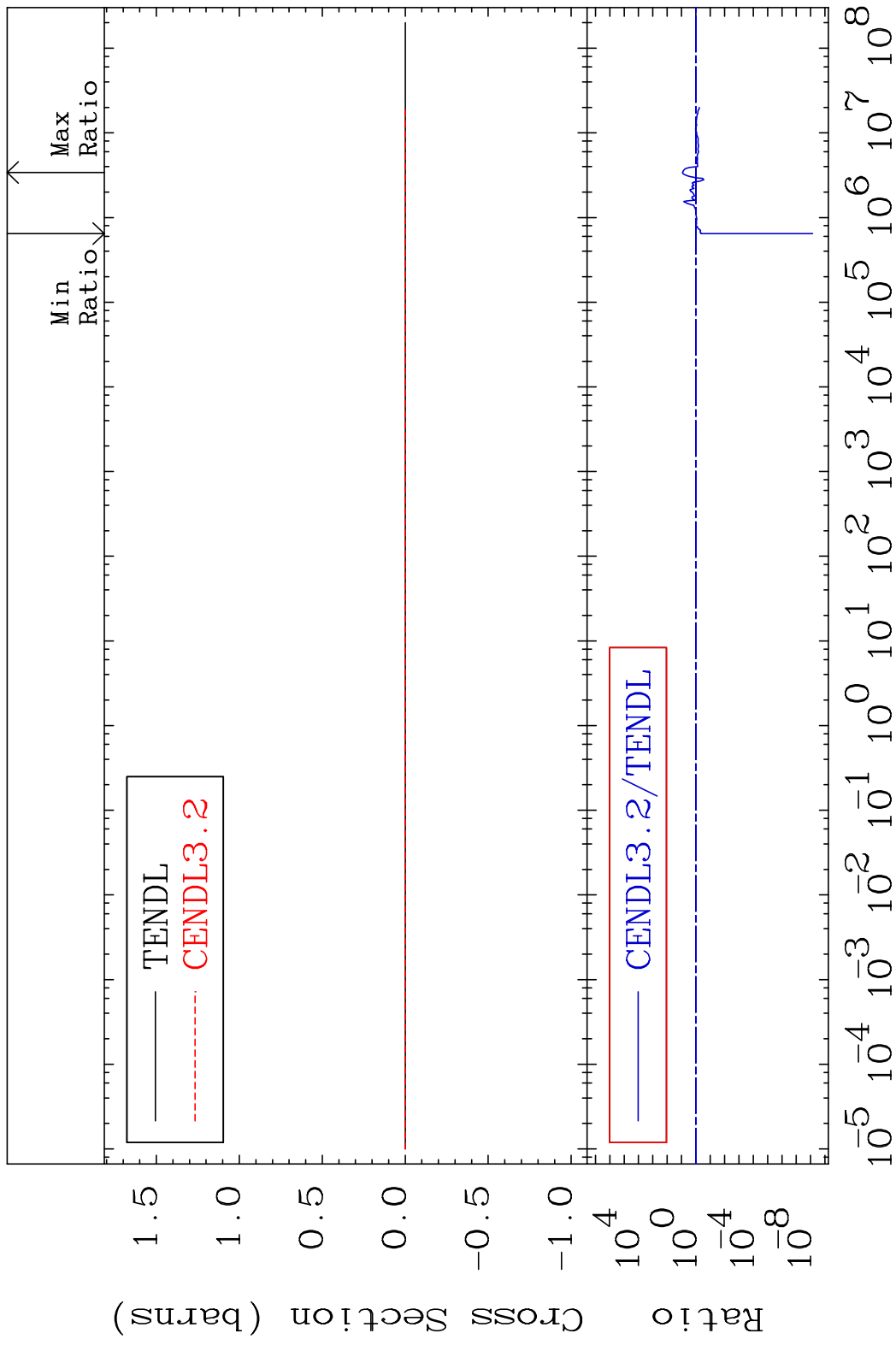


41 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 774.7 %

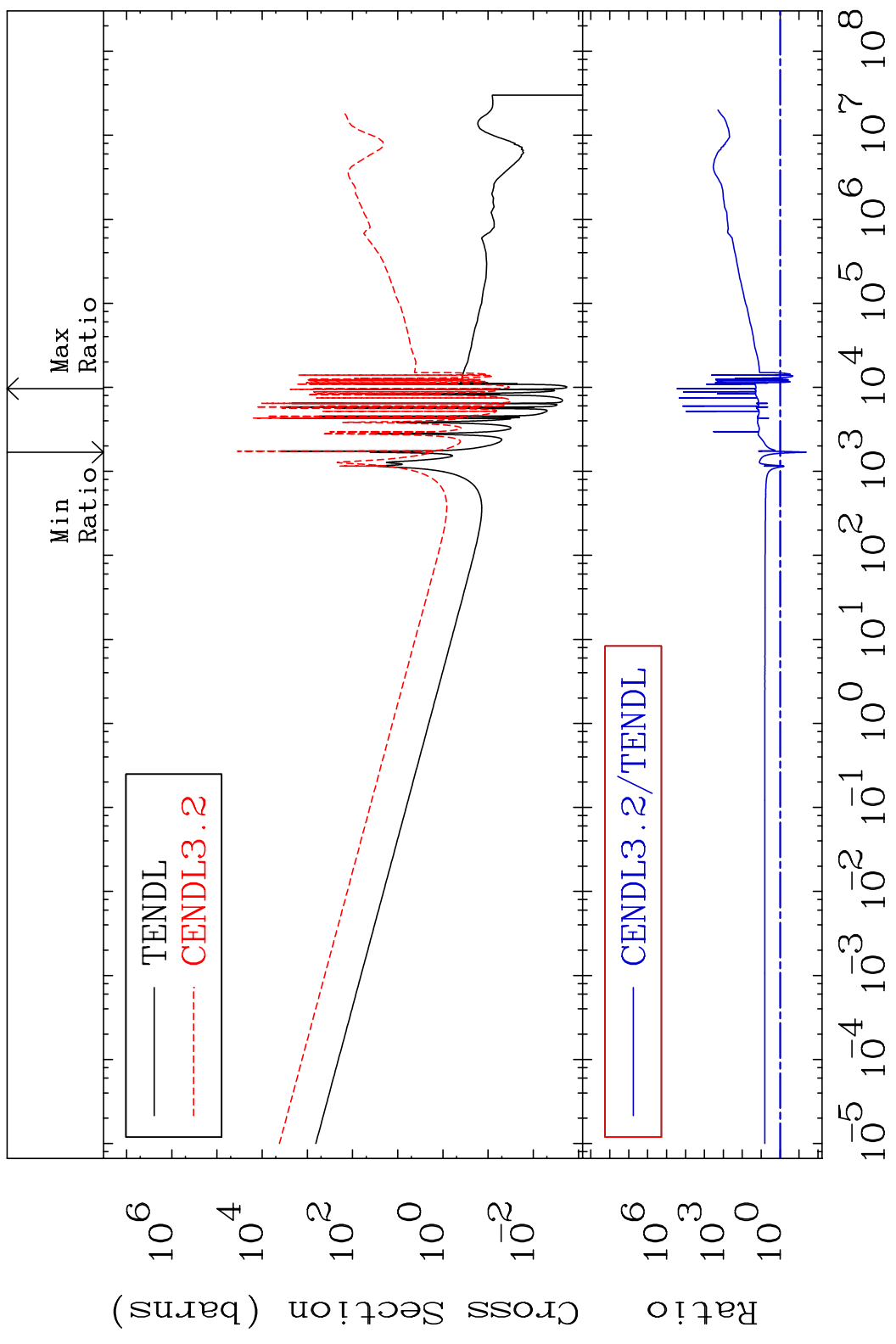


MAT 5843 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-142
 Cross Section -100.0 To 774.7 %



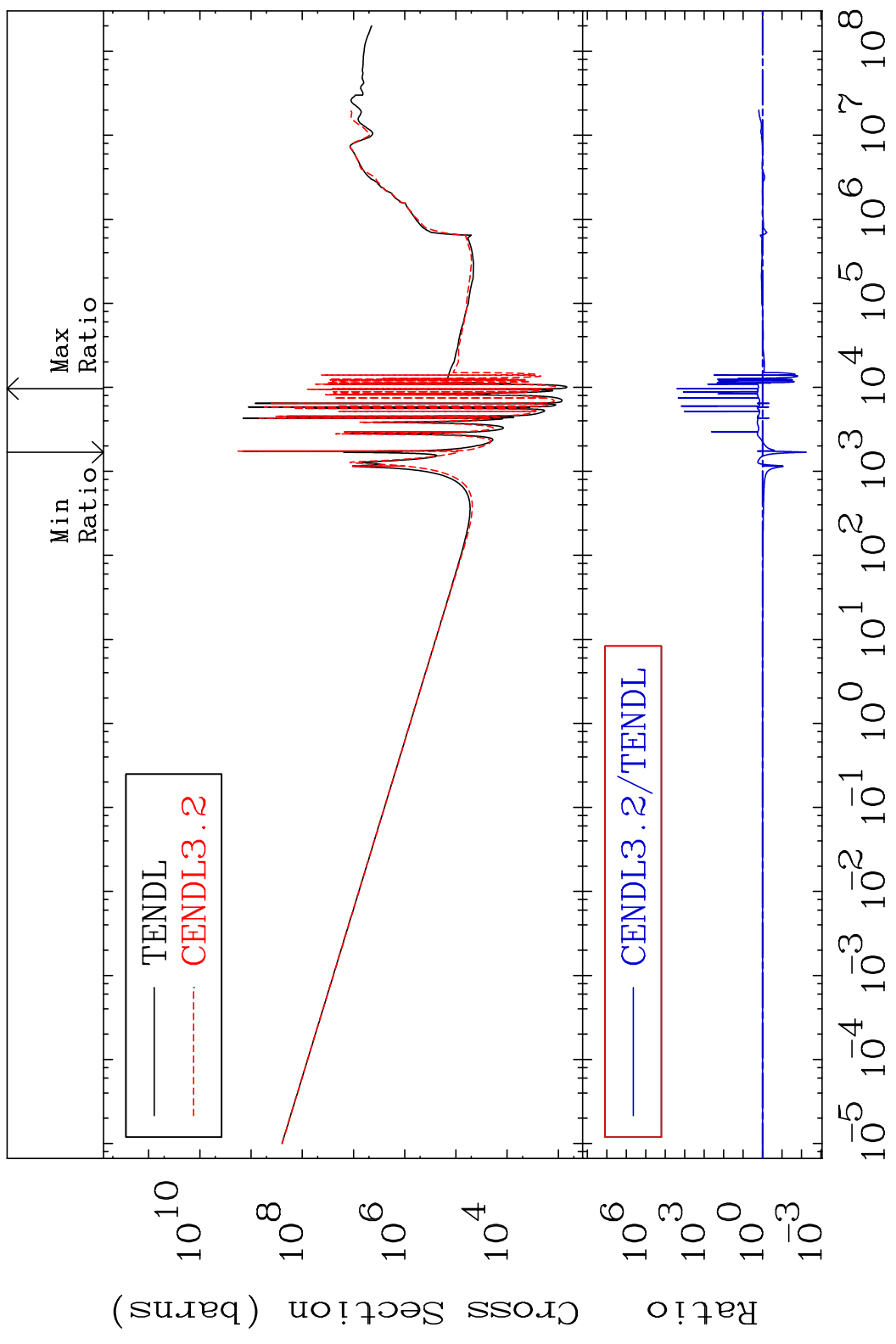
MAT 5843

Kerma capture (mt102) 58-Ce-142
Cross Section -95.91 To 9999. %



MAT 5843

Total photon (eV-barns) 58-Ce-142
Cross Section -99.44 To 9999. %

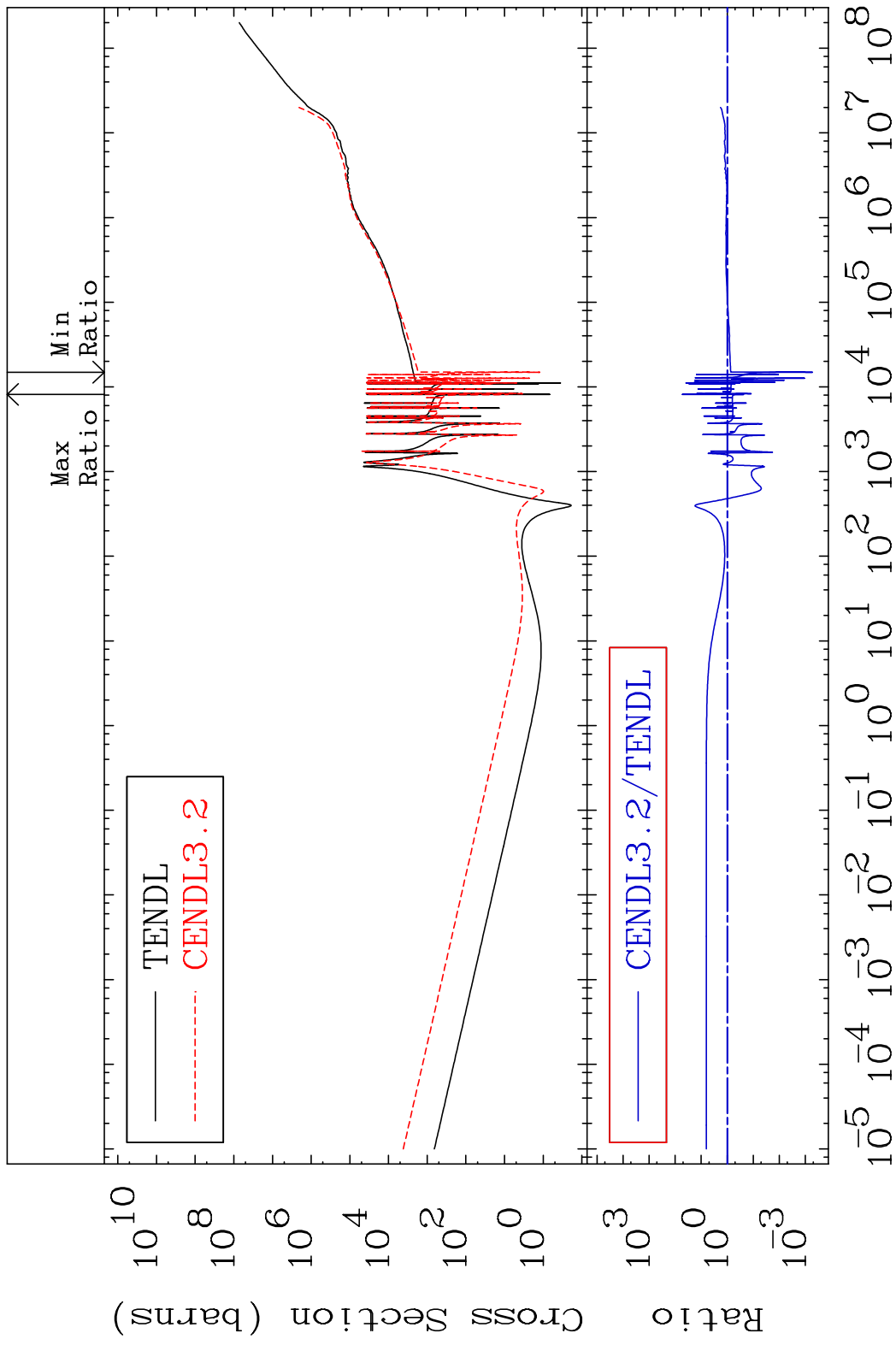


45

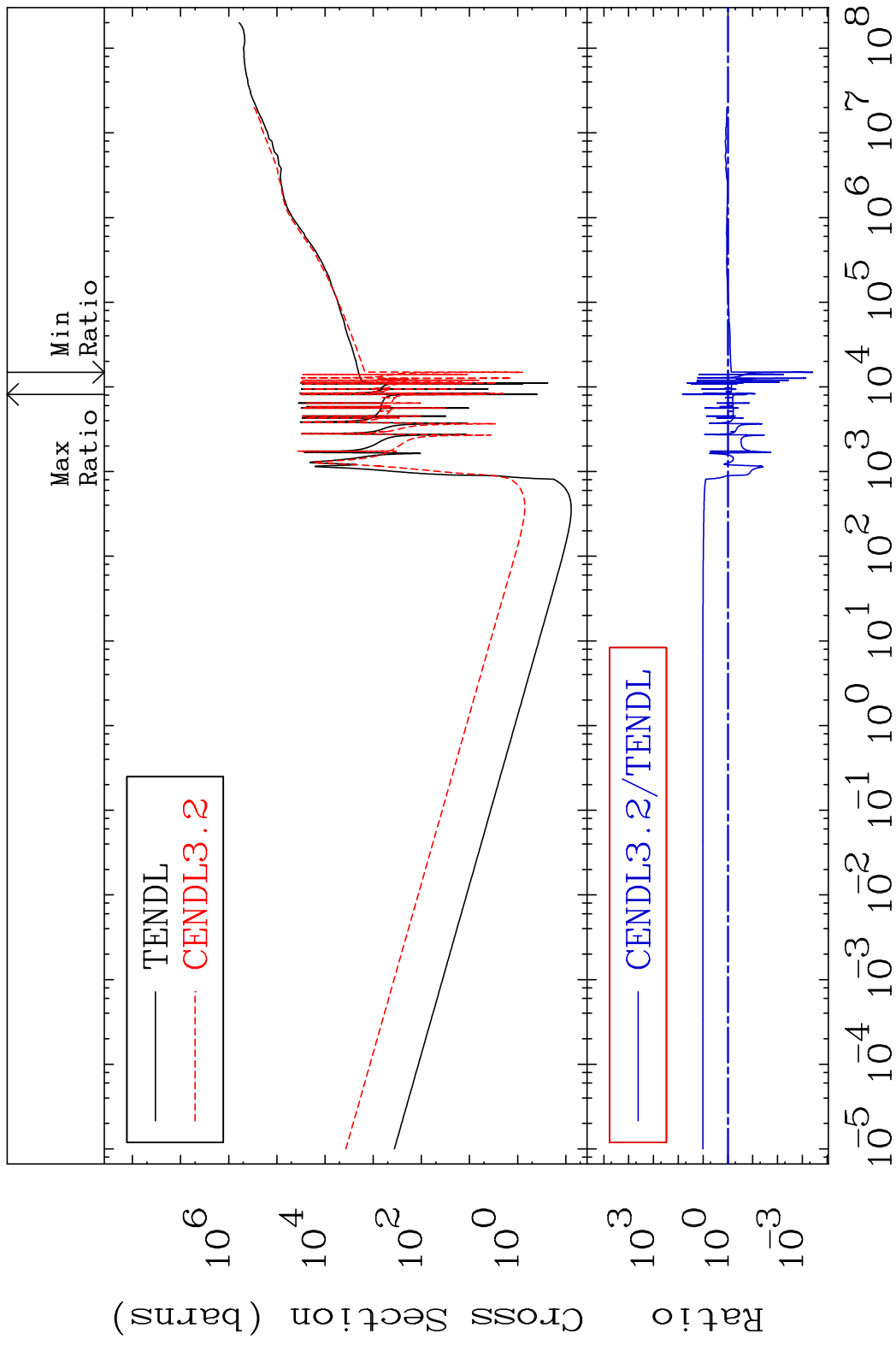
Incident Energy (eV)

58-Ce-142

MAT 5843 Total kinematic kerma (high limit) 58-Ce-142
 Cross Section -99.95 To 5189. %



MAT 5843 Dpa total (eV-barns) 58-Ce-142
 Cross Section -99.96 To 6747. %



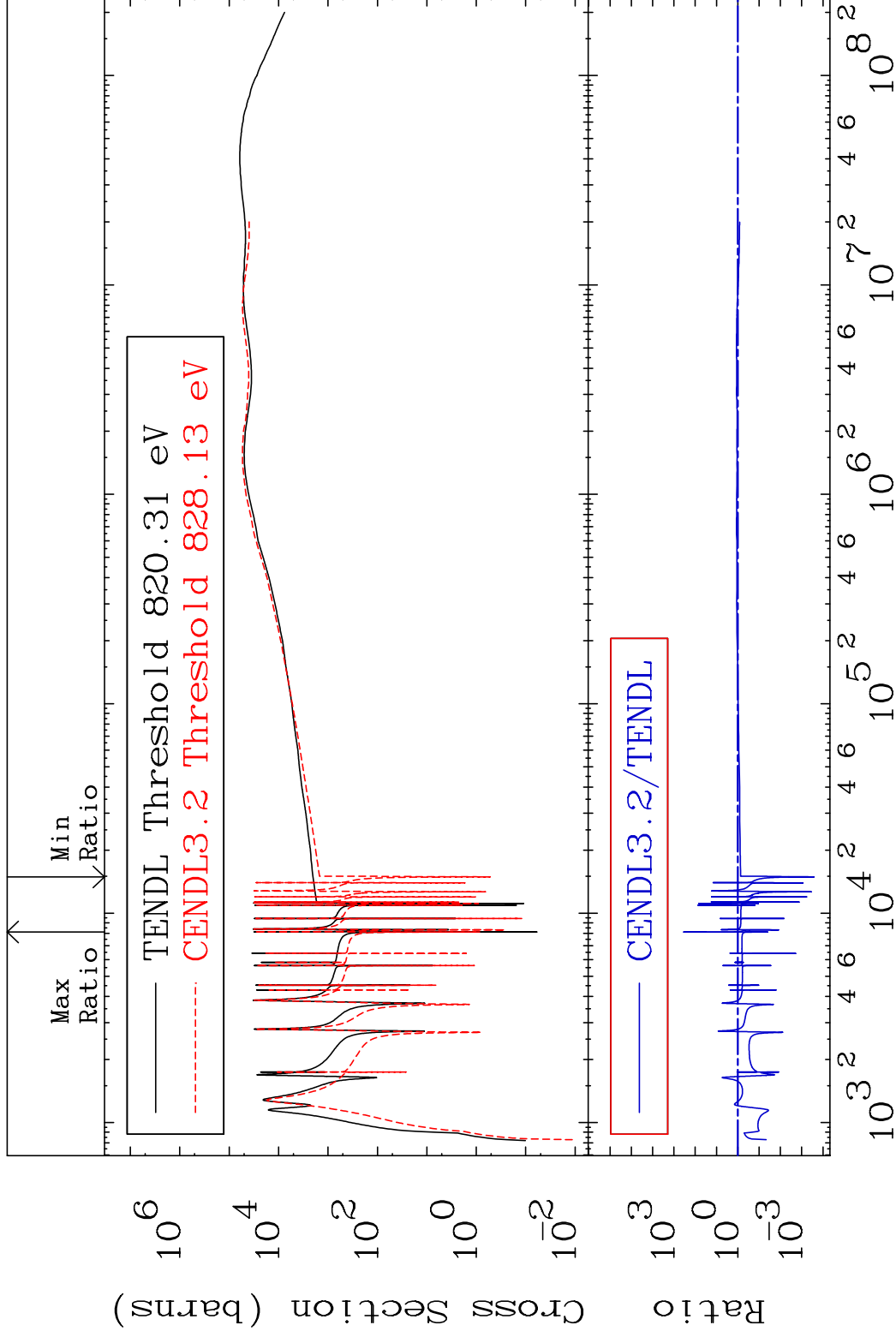
47 Incident Energy (eV) 58-Ce-142

MAT 5843

Dpa elastic (mt2)

58-Ce-142

Cross Section -99.97 To 9999. %

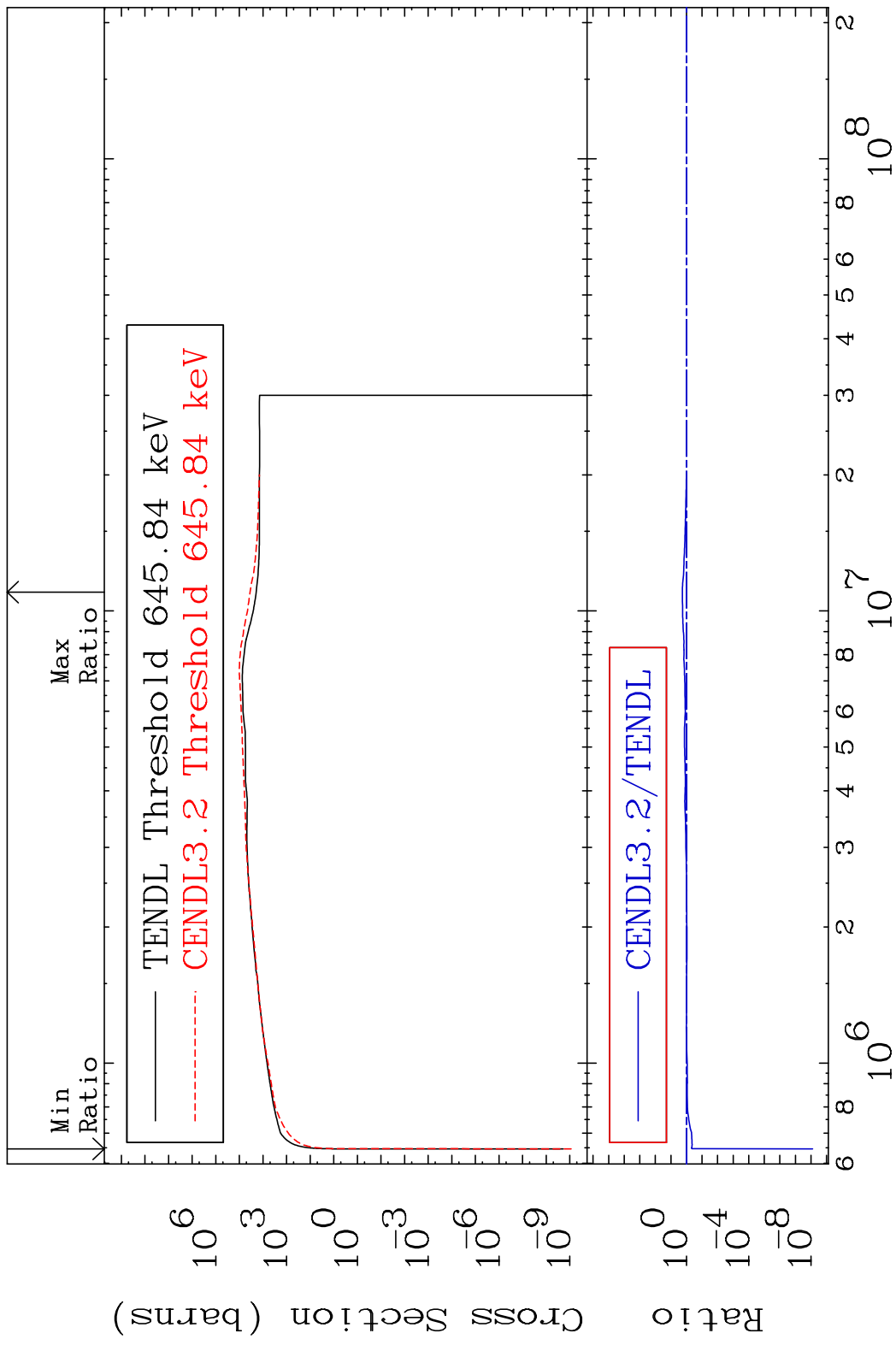


48

Incident Energy (eV)

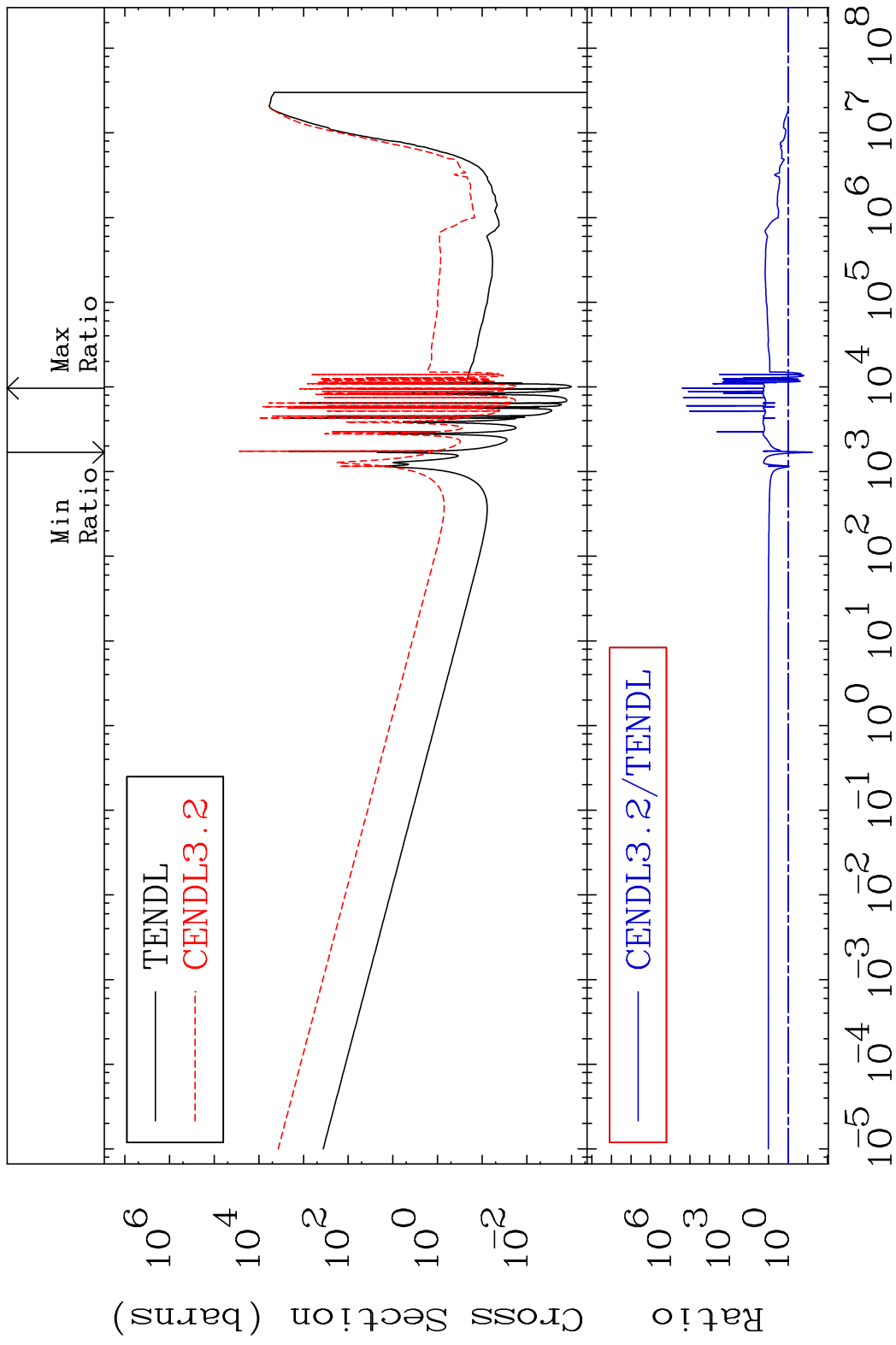
58-Ce-142

MAT 5843 Dpa inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 83.70 %



49 Incident Energy (eV) 58-Ce-142

MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142
 Cross Section -94.27 To 9999. %



50 Incident Energy (eV) 58-Ce-142