

Program Complot
(Version 2021-1)

by

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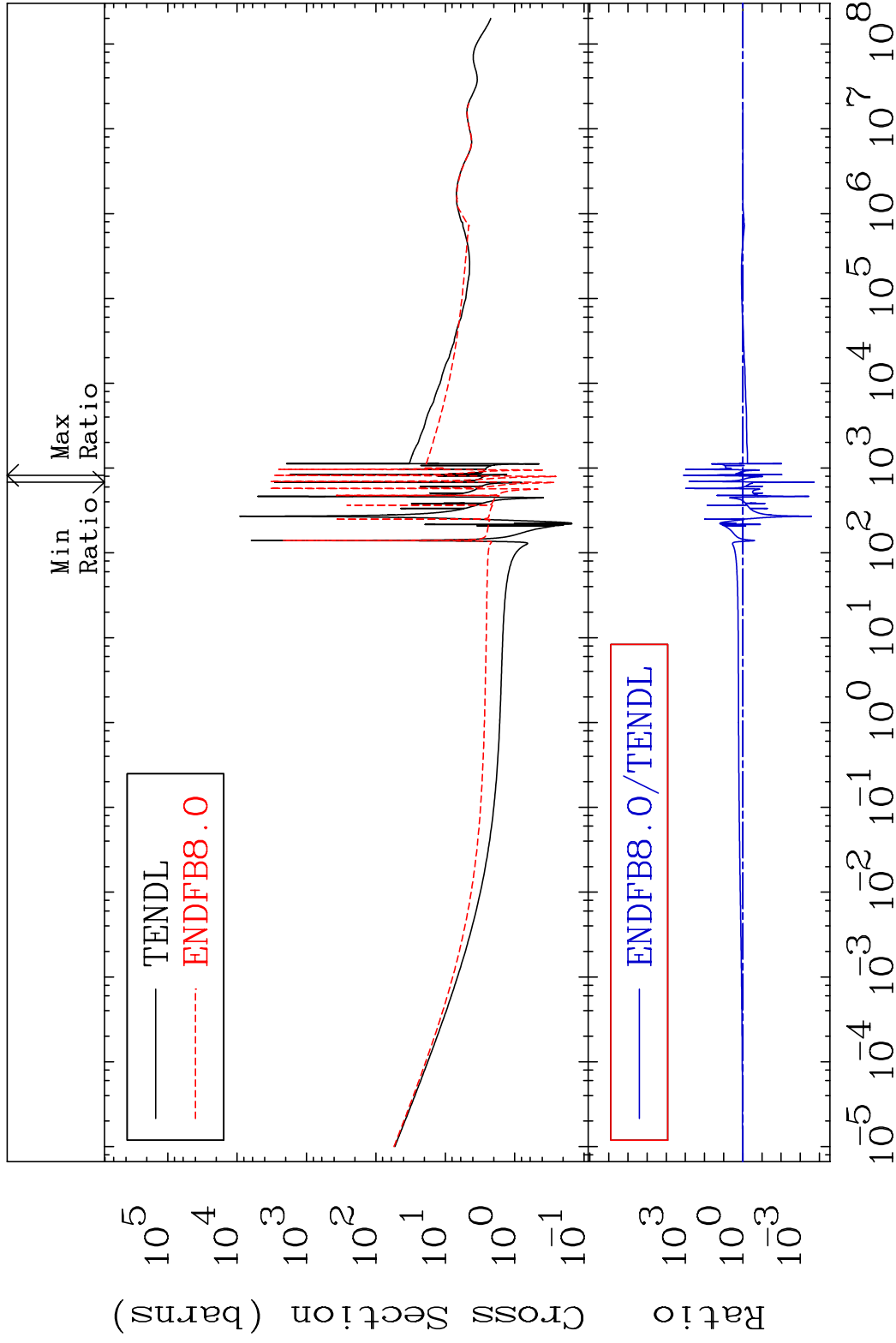
Press Mouse Button to Start

MAT 5831

Total

58-Ce-138

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

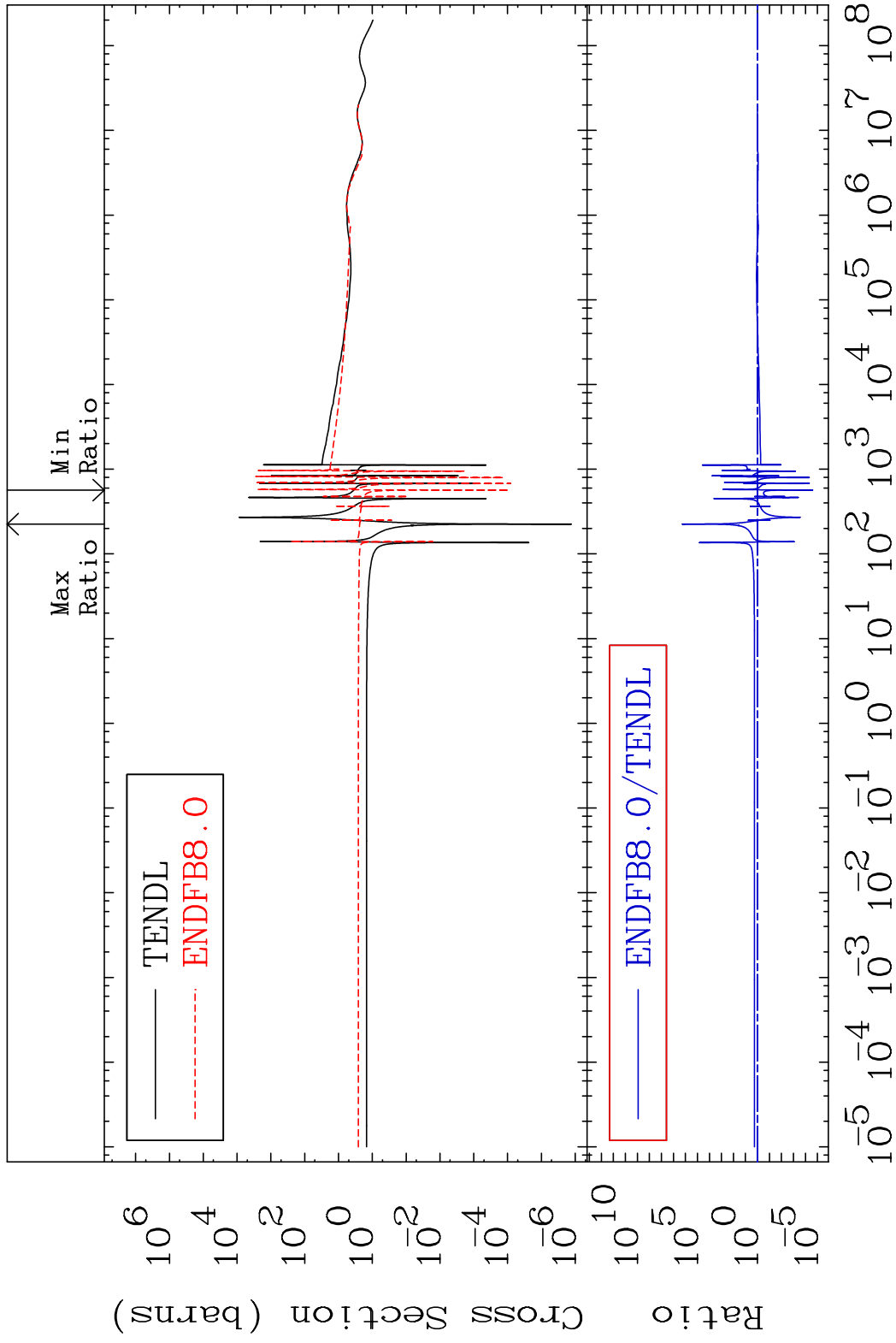
58-Ce-138

MAT 5831

Elastic

58-Ce-138

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

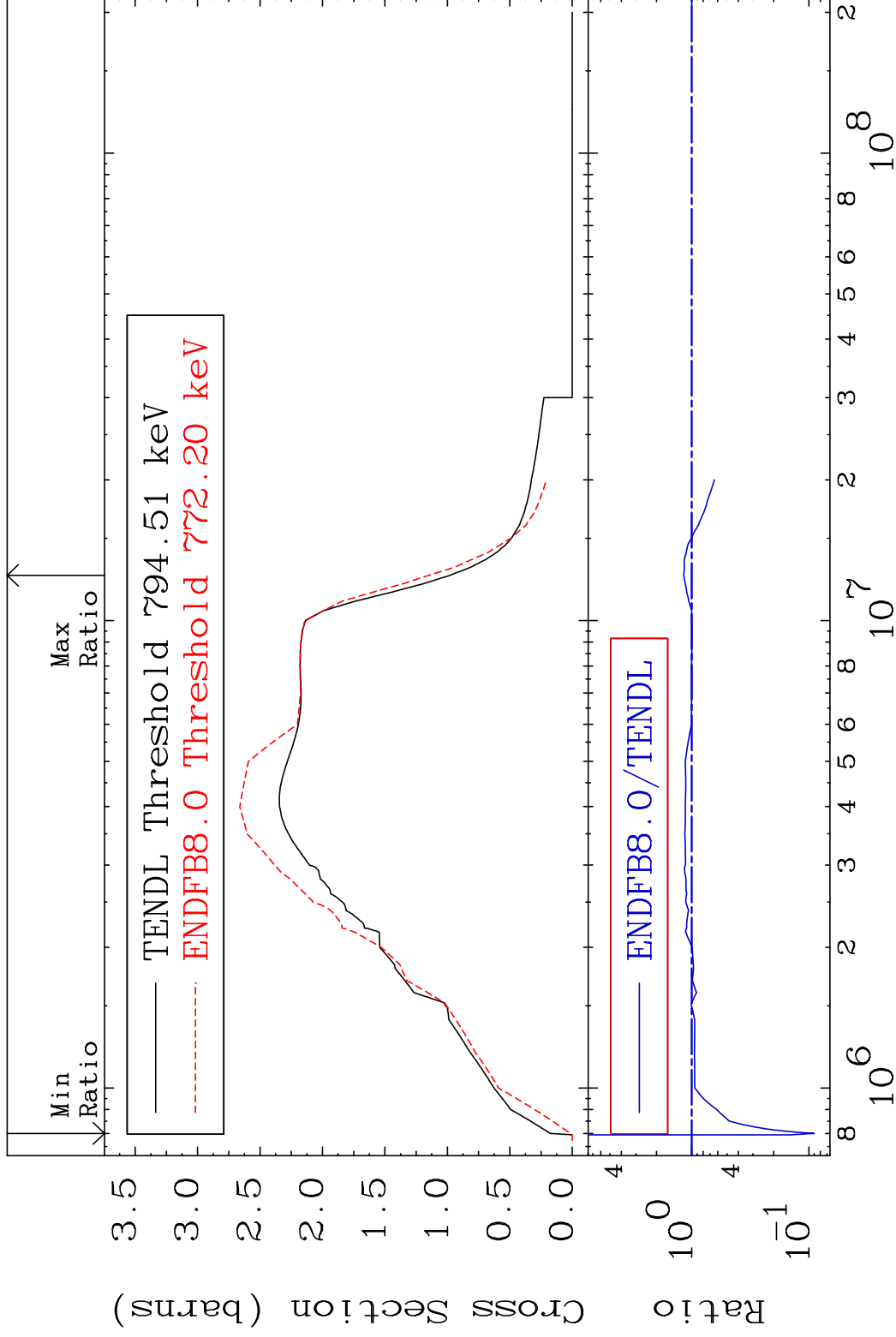
58-Ce-138

MAT 5831

Inelastic

58-Ce-138

Cross Section -90.98 To 17.33 %



3

Incident Energy (eV)

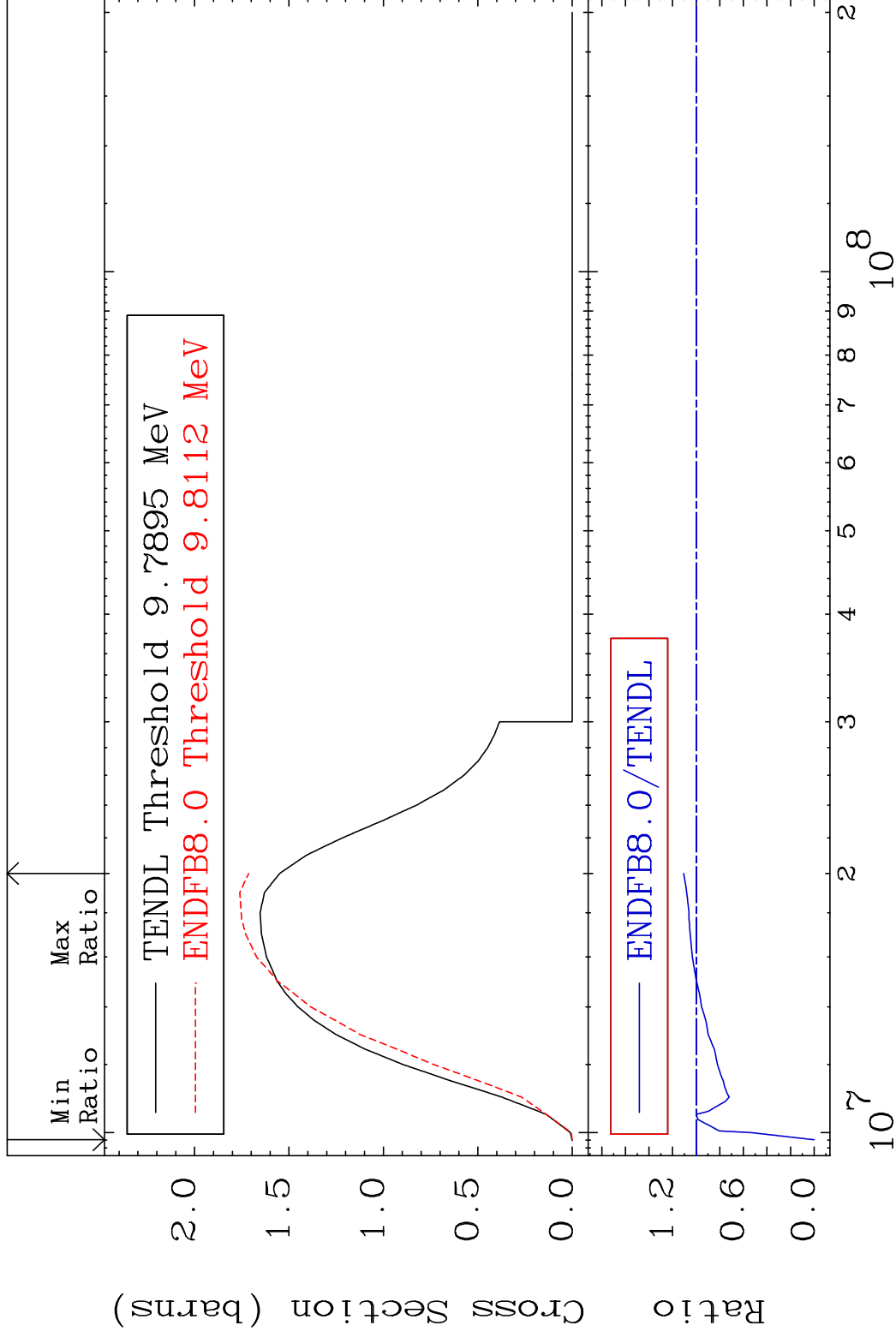
58-Ce-138

MAT 5831

(n,2n)

58-Ce-138

Cross Section -100.0 To 10.62 %



4

Incident Energy (eV)

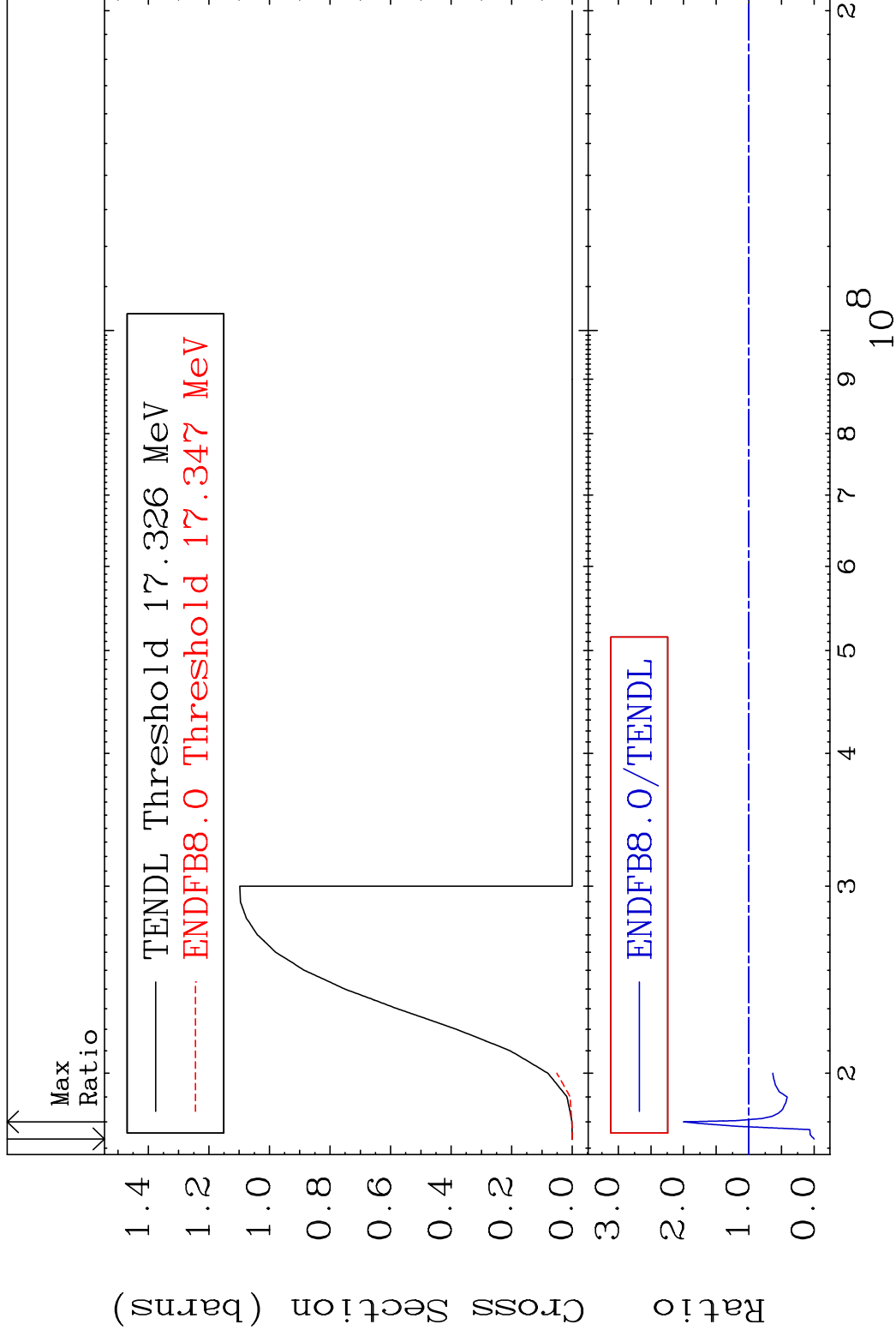
58-Ce-138

MAT 5831

(n,3n)

58-Ce-138

Cross Section -100.0 To 99.87 %



5

Incident Energy (eV)

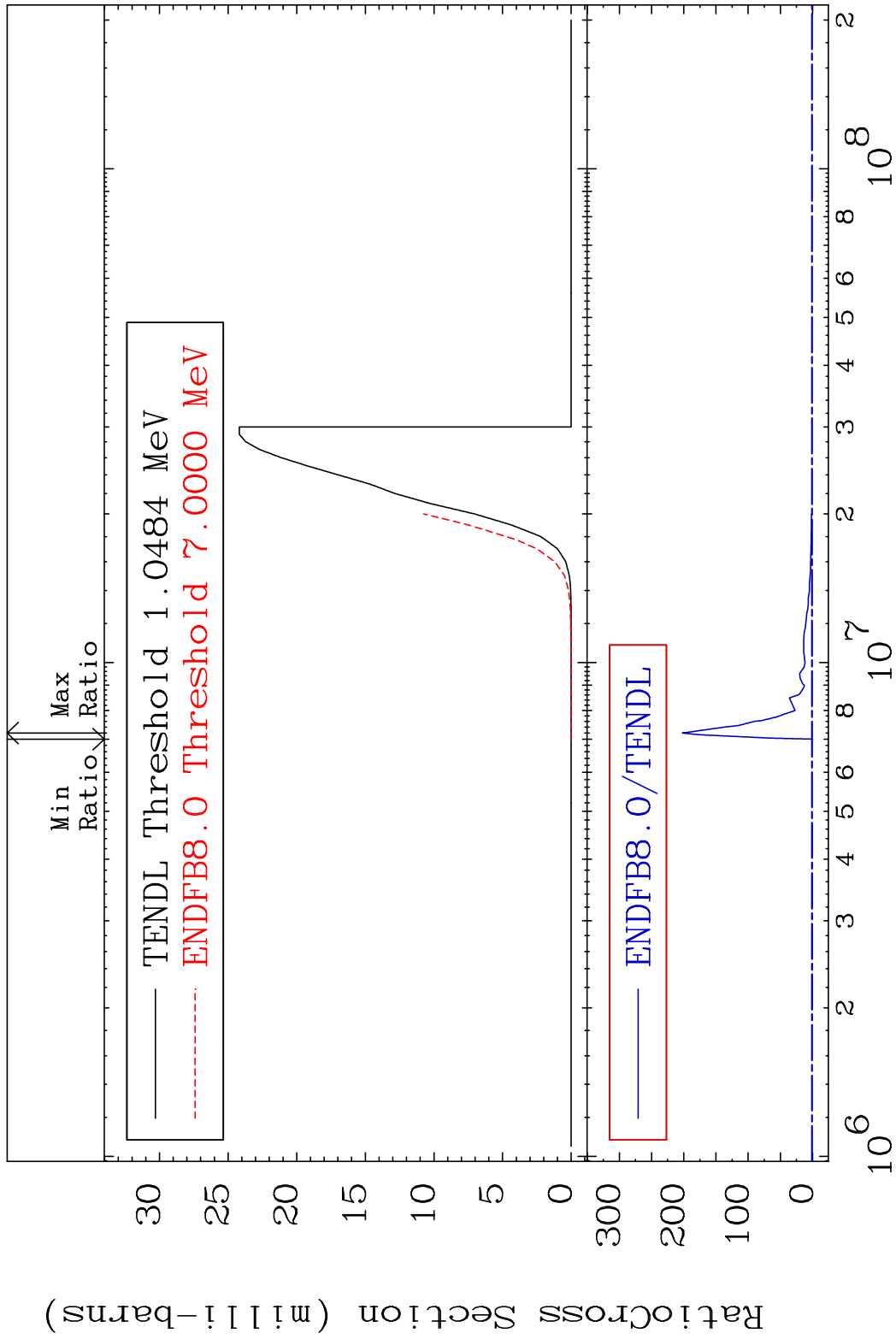
58-Ce-138

MAT 5831

(n, n') α

58-Ce-138

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

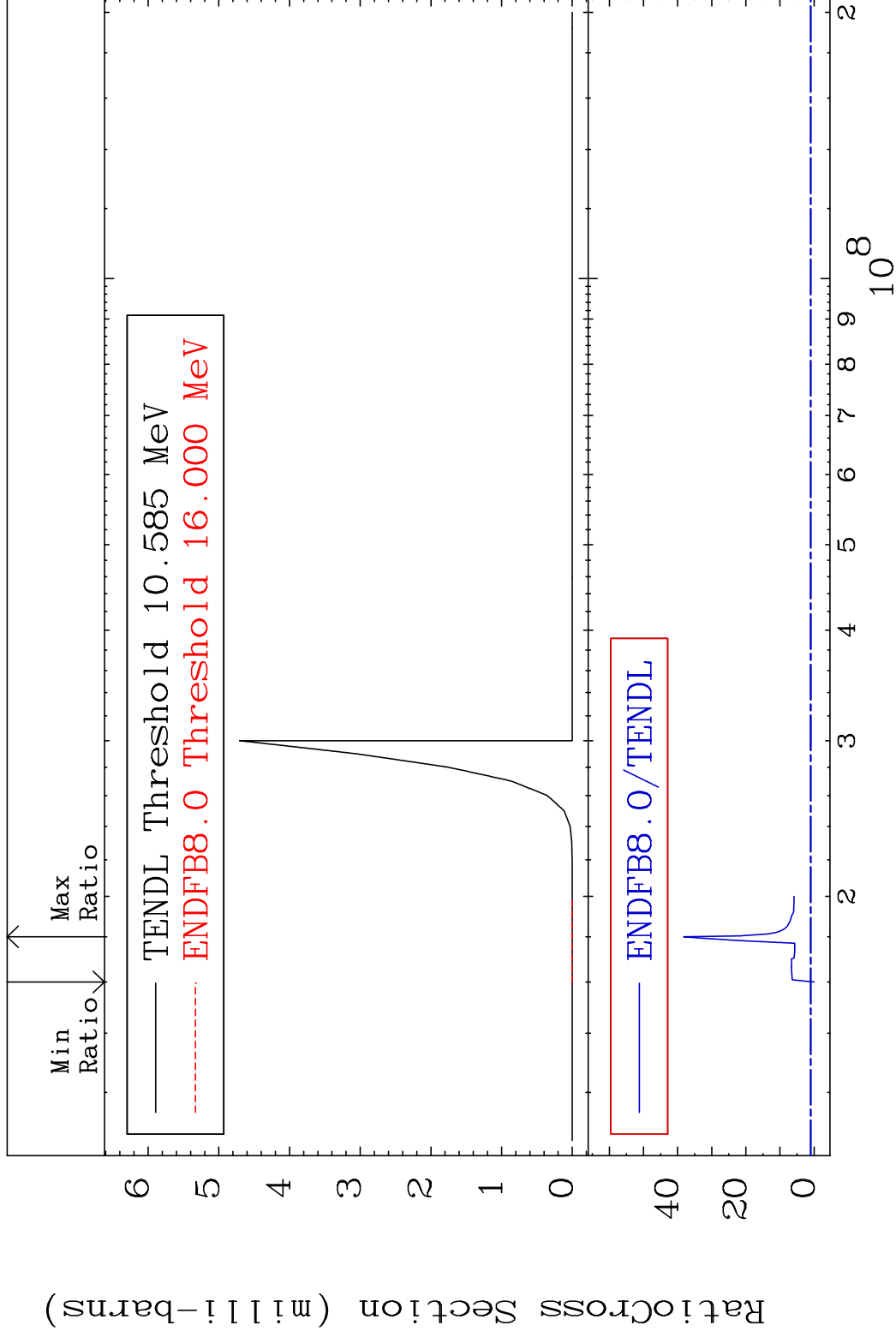
58-Ce-138

MAT 5831

(n,2n) α

58-Ce-138

Cross Section -100.0 To 3723. %



7

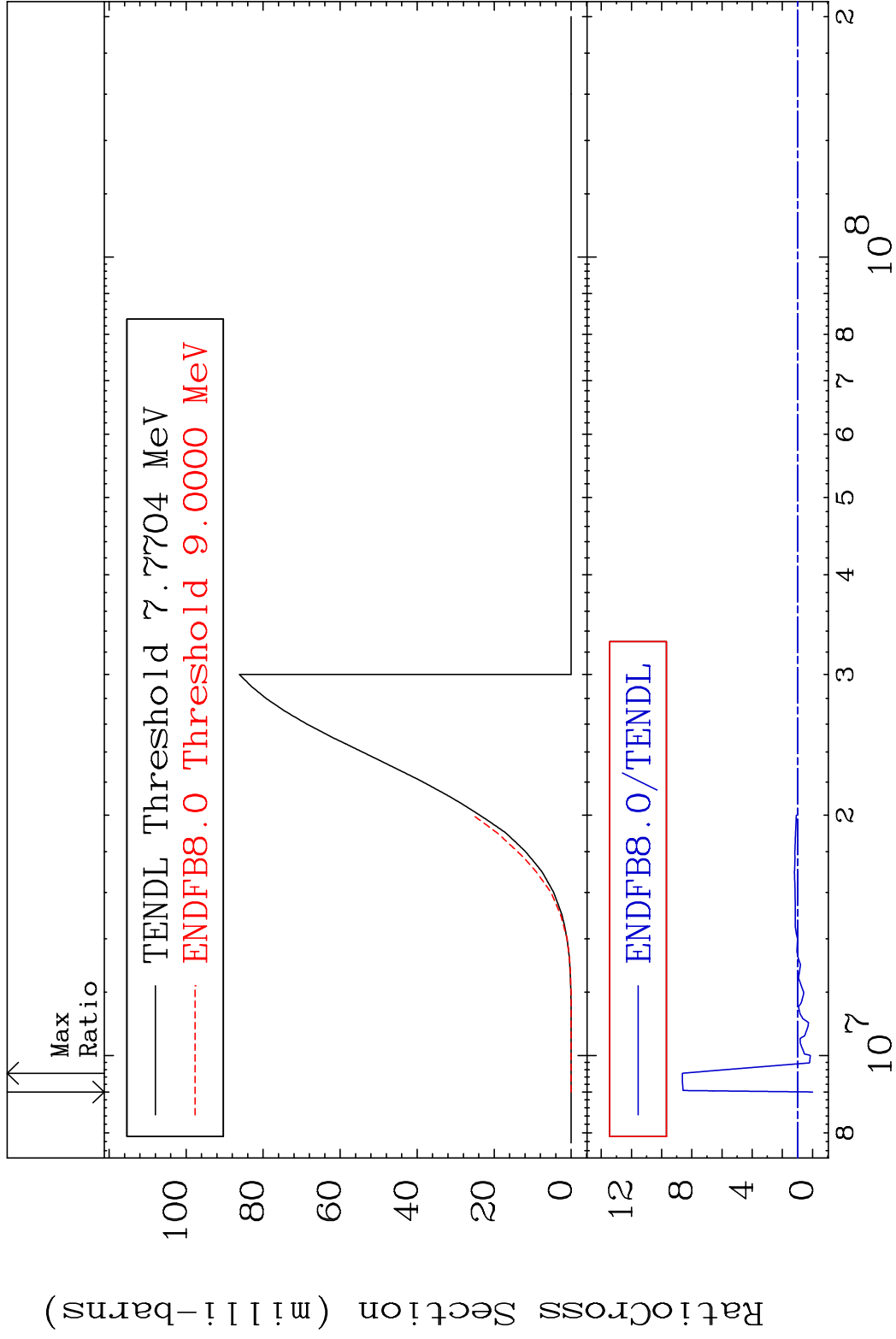
Incident Energy (eV)

58-Ce-138

MAT 5831

(n, n') p 58-Ce-138

Cross Section -100.0 To 762.9 %

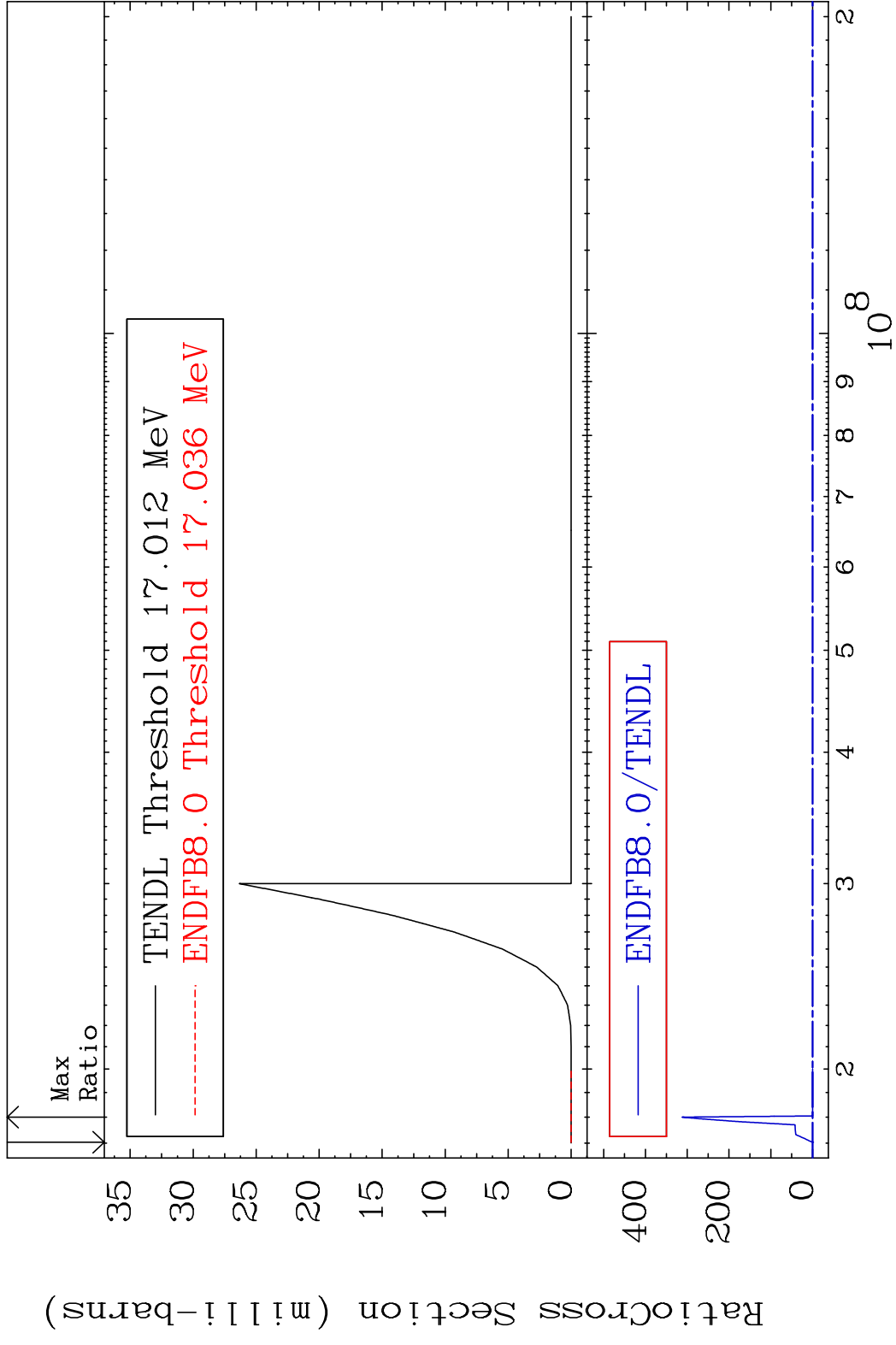


8

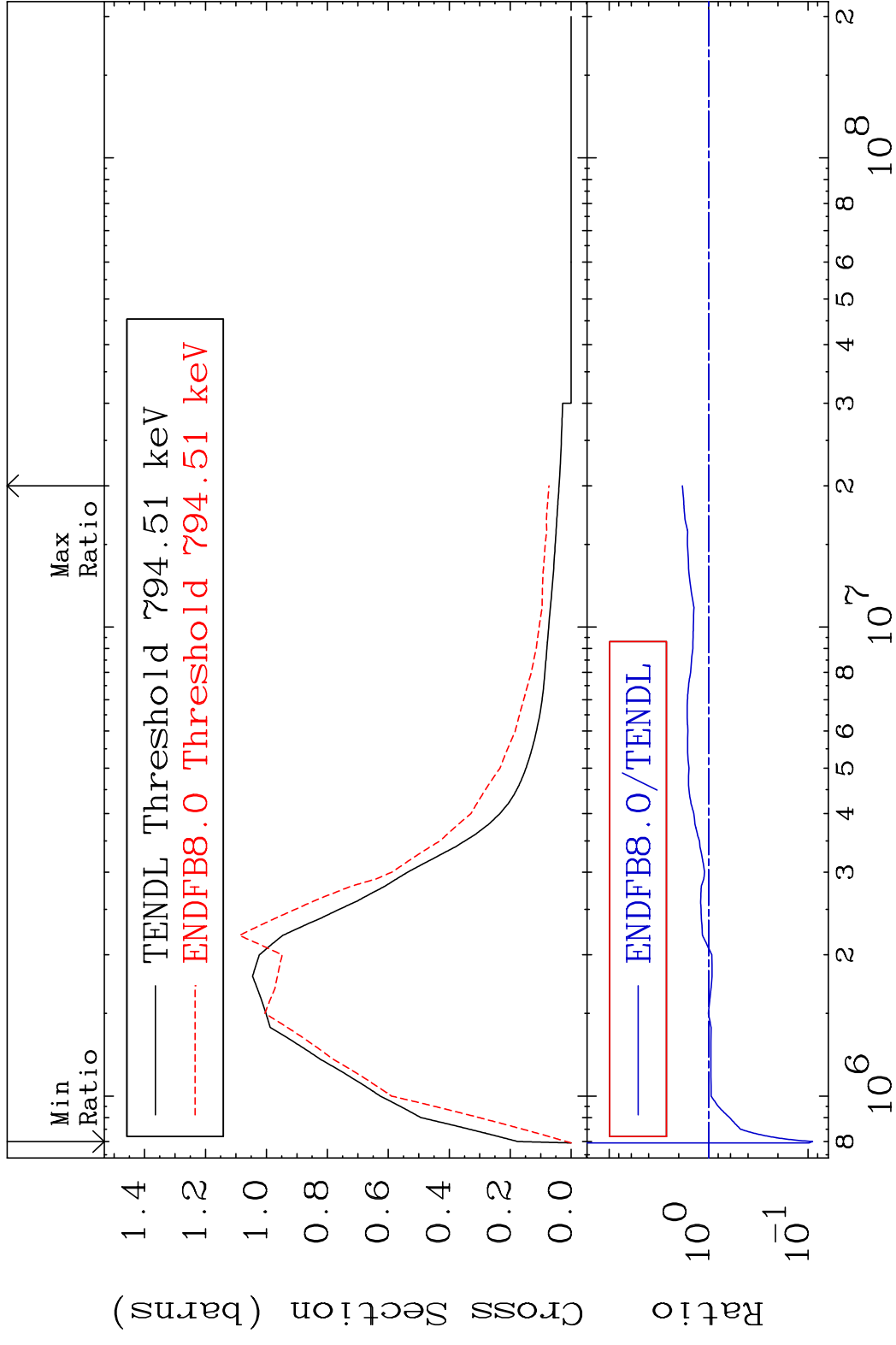
Incident Energy (eV)

58-Ce-138

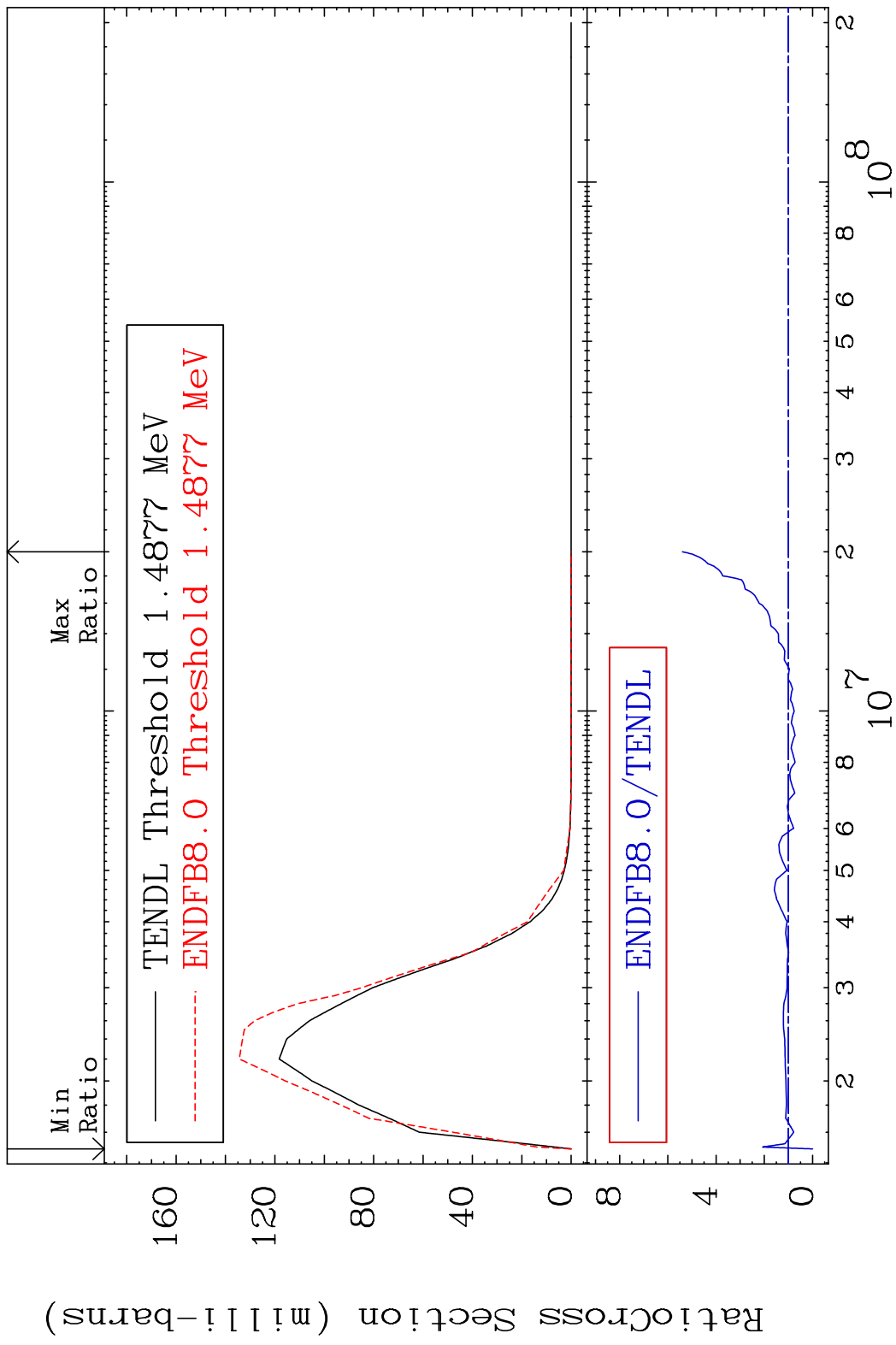
MAT 5831 (n,2n) p 58-Ce-138
 Cross Section -100.0 To 9999. %



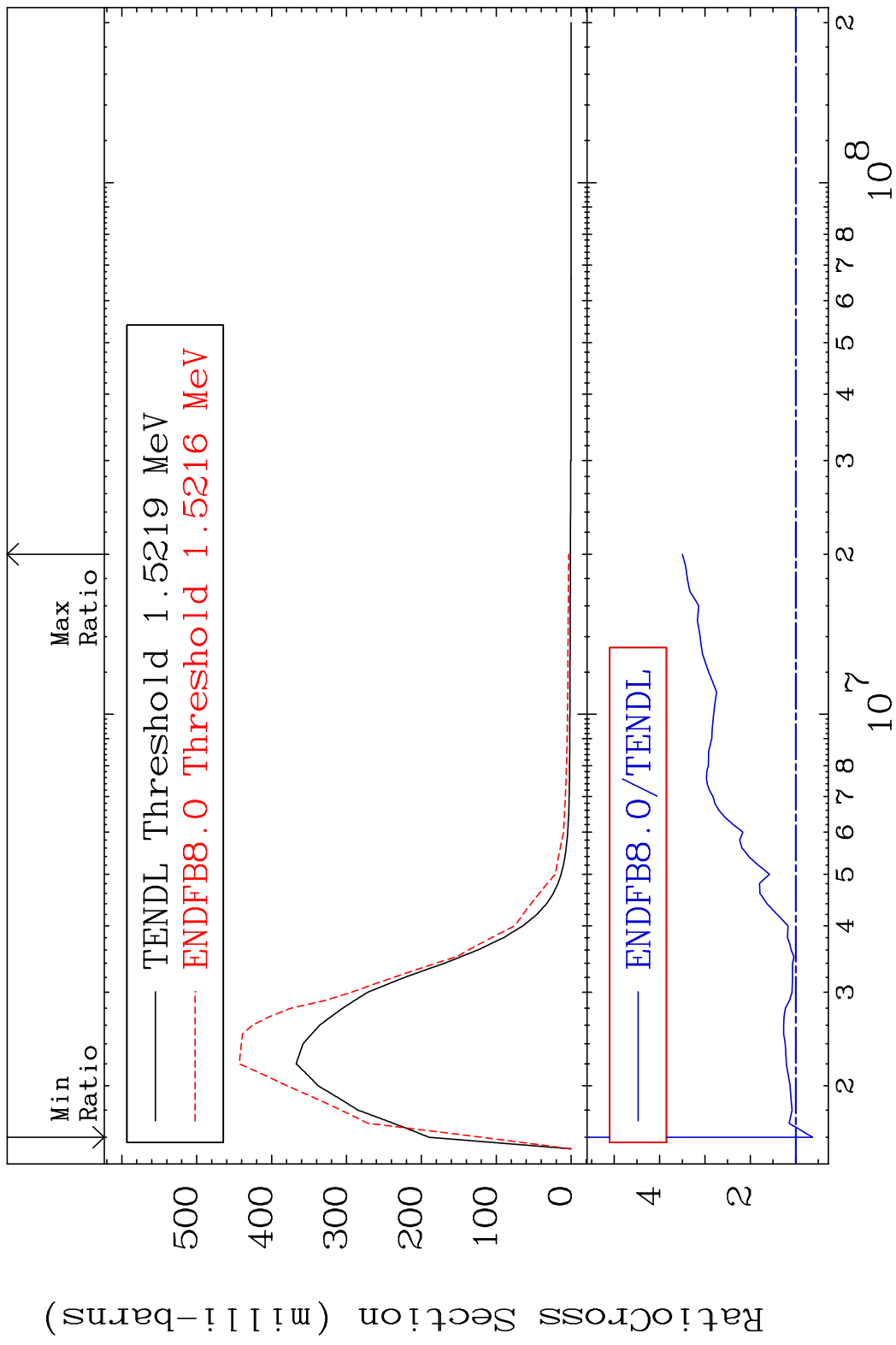
MAT 5831 MT= 51 (n, n') Level 58-Ce-138
 Cross Section -91.01 To 83.47 %



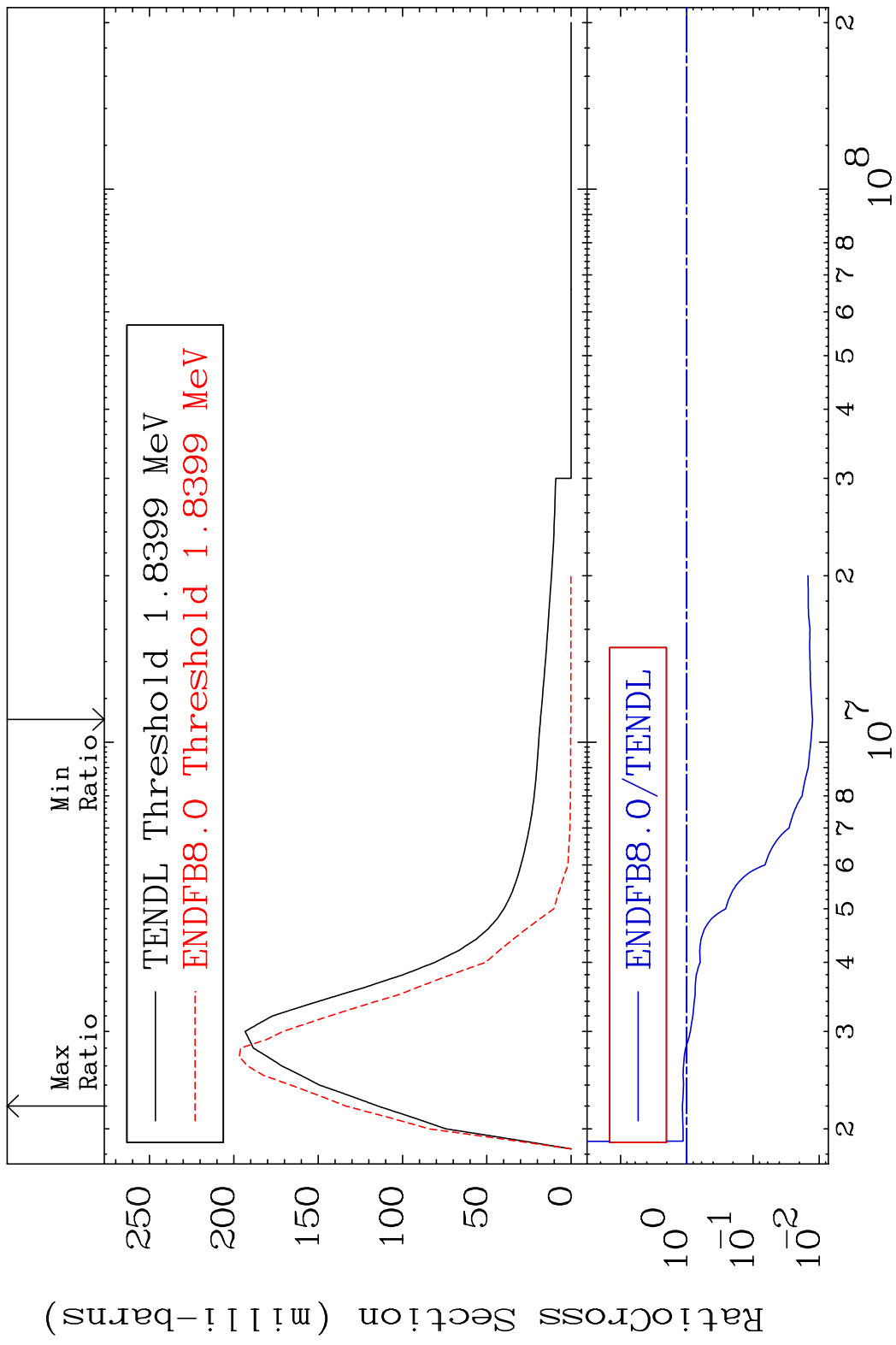
MAT 5831 MT= 52 (n, n') Level 58-Ce-138
 Cross Section -100.0 To 439.8 %



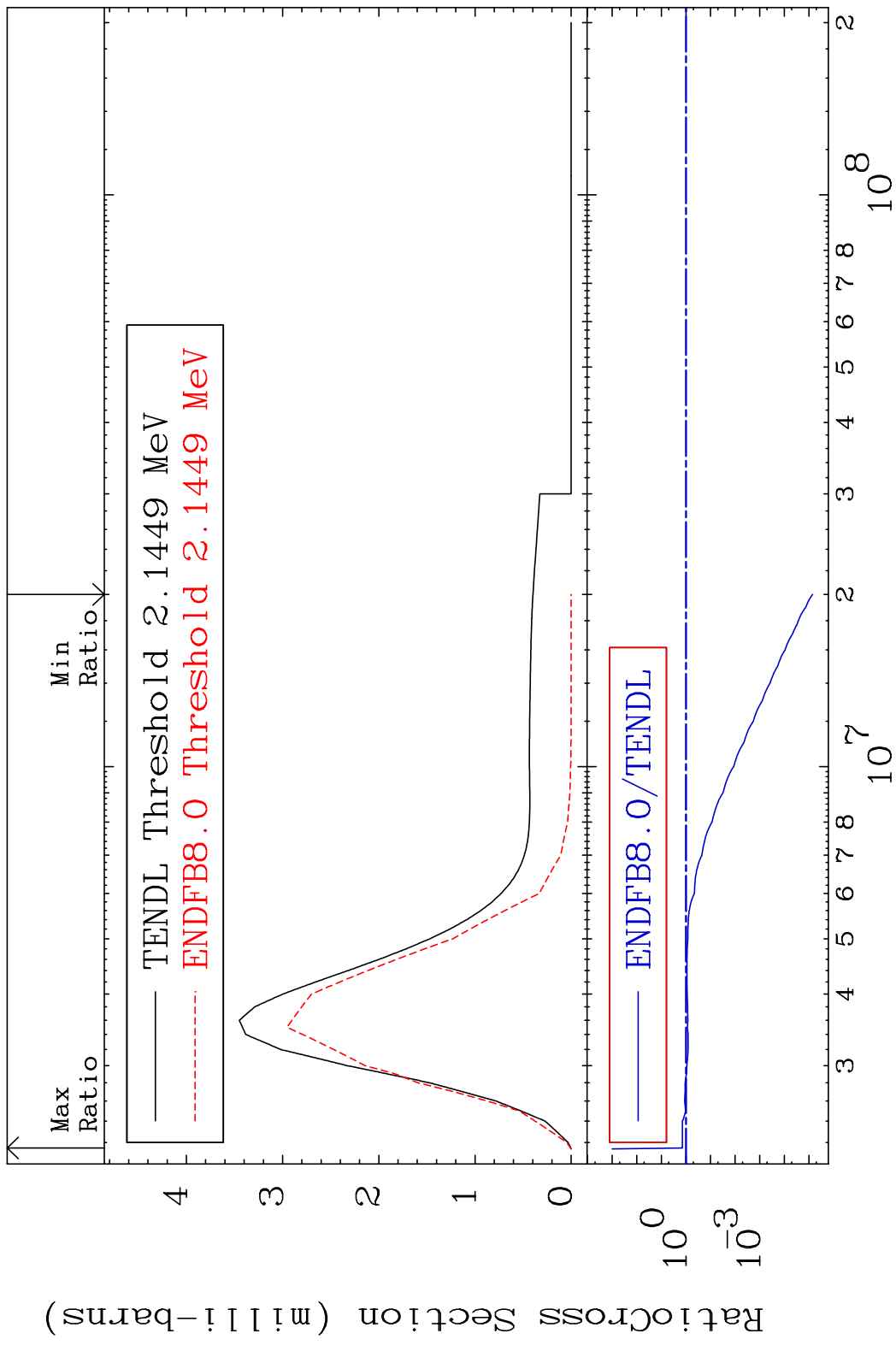
MAT 5831 MT= 53 (n, n') Level 58-Ce-138
 Cross Section -37.13 To 249.8 %



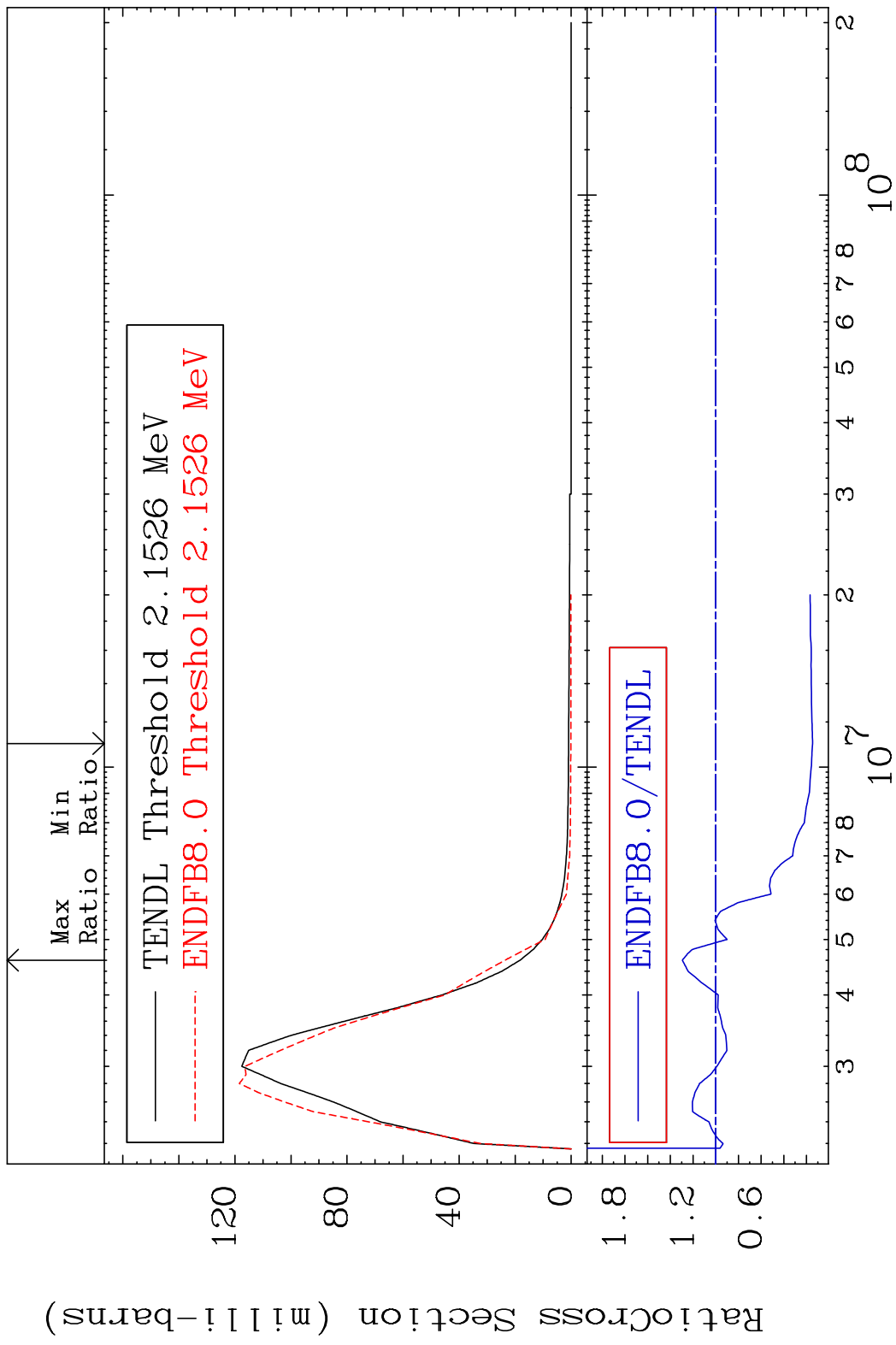
MAT 5831 MT= 54 (n,n') Level 58-Ce-138
 Cross Section -98.74 To 16.51 %



MAT 5831 MT= 55 (n,n') Level 58-Ce-138
 Cross Section -100.0 To 40.04 %

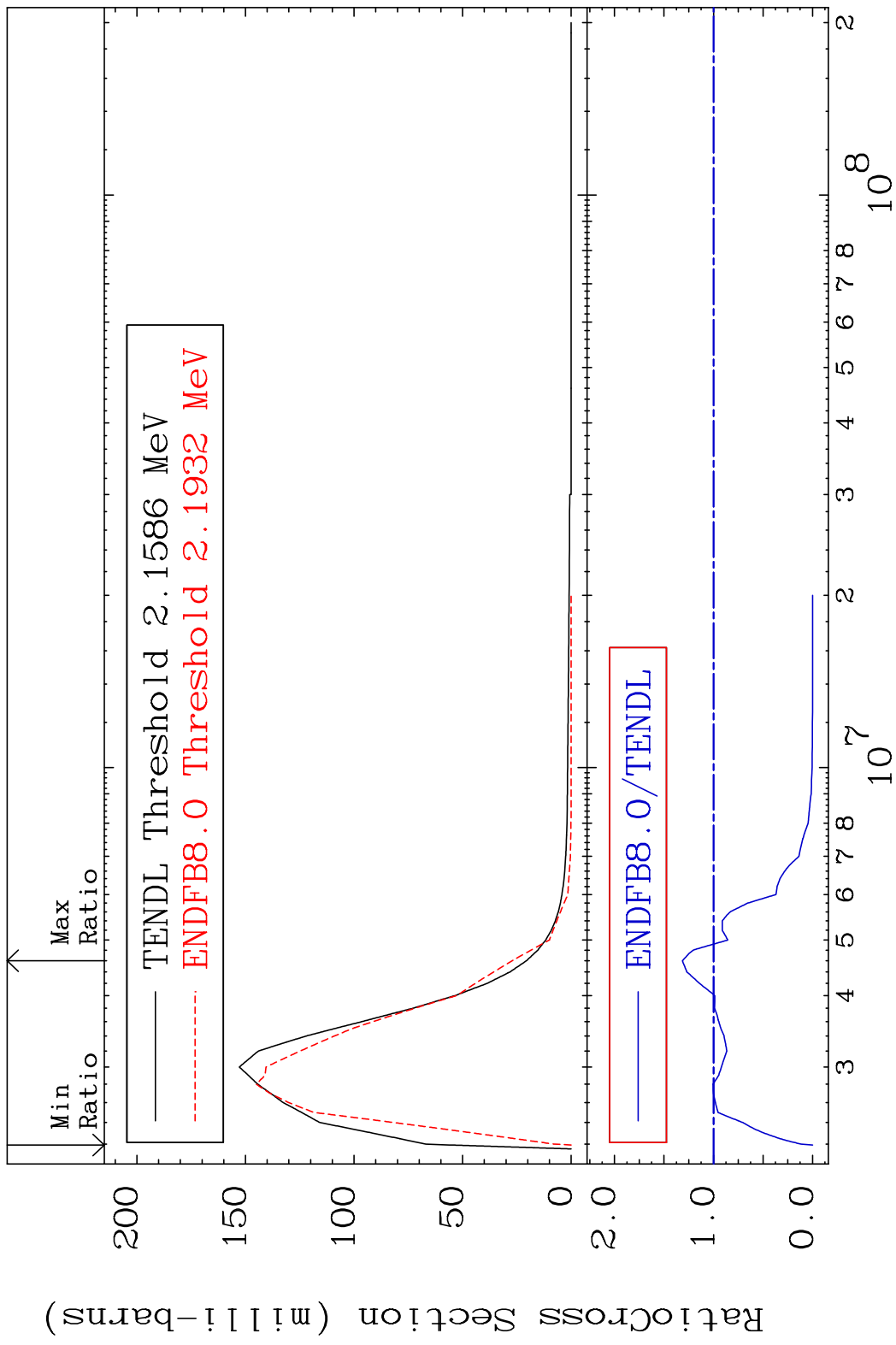


MAT 5831 MT= 56 (n,n') Level 58-Ce-138
 Cross Section -85.33 To 29.42 %

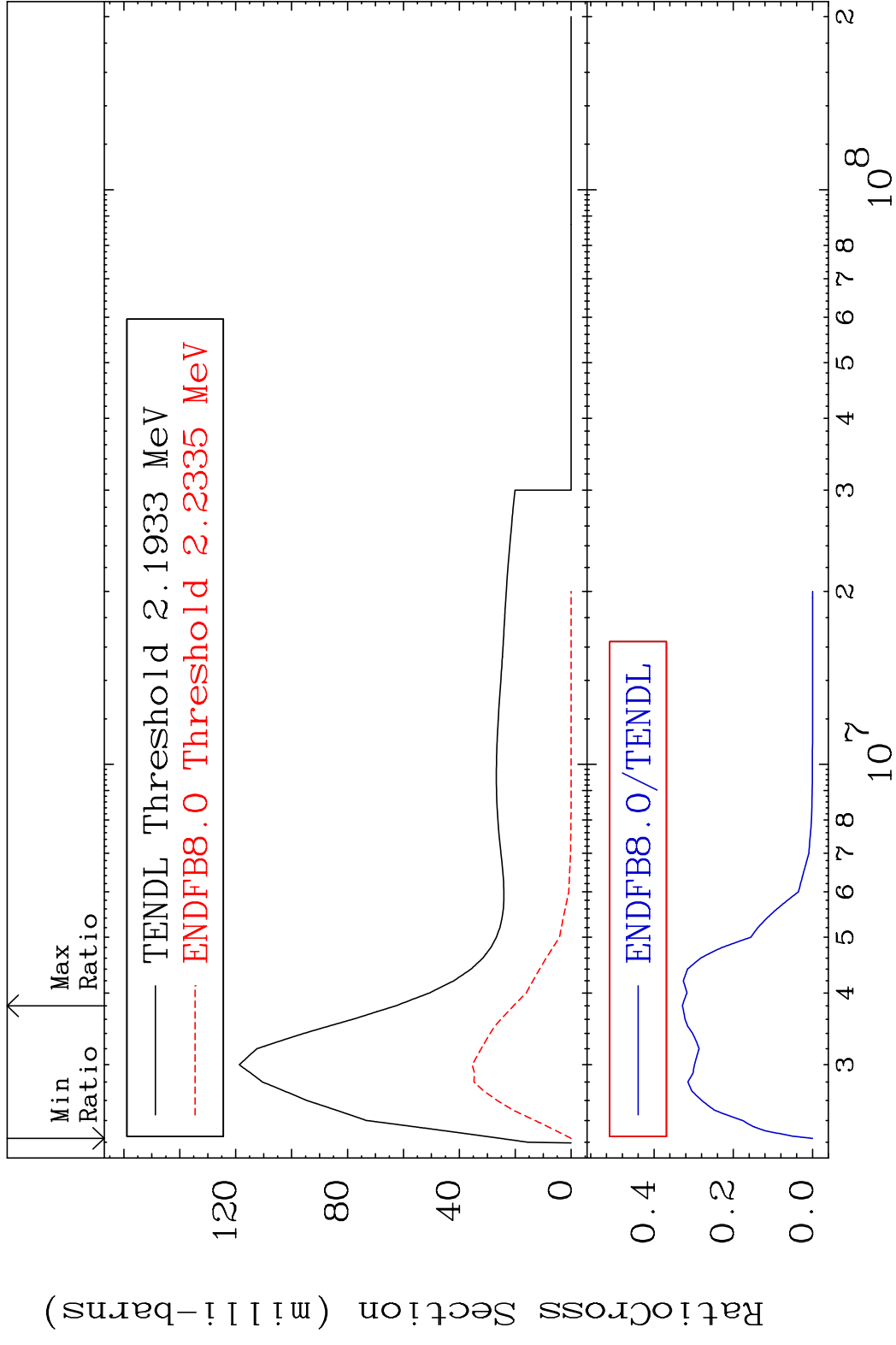


15 Incident Energy (eV) 58-Ce-138

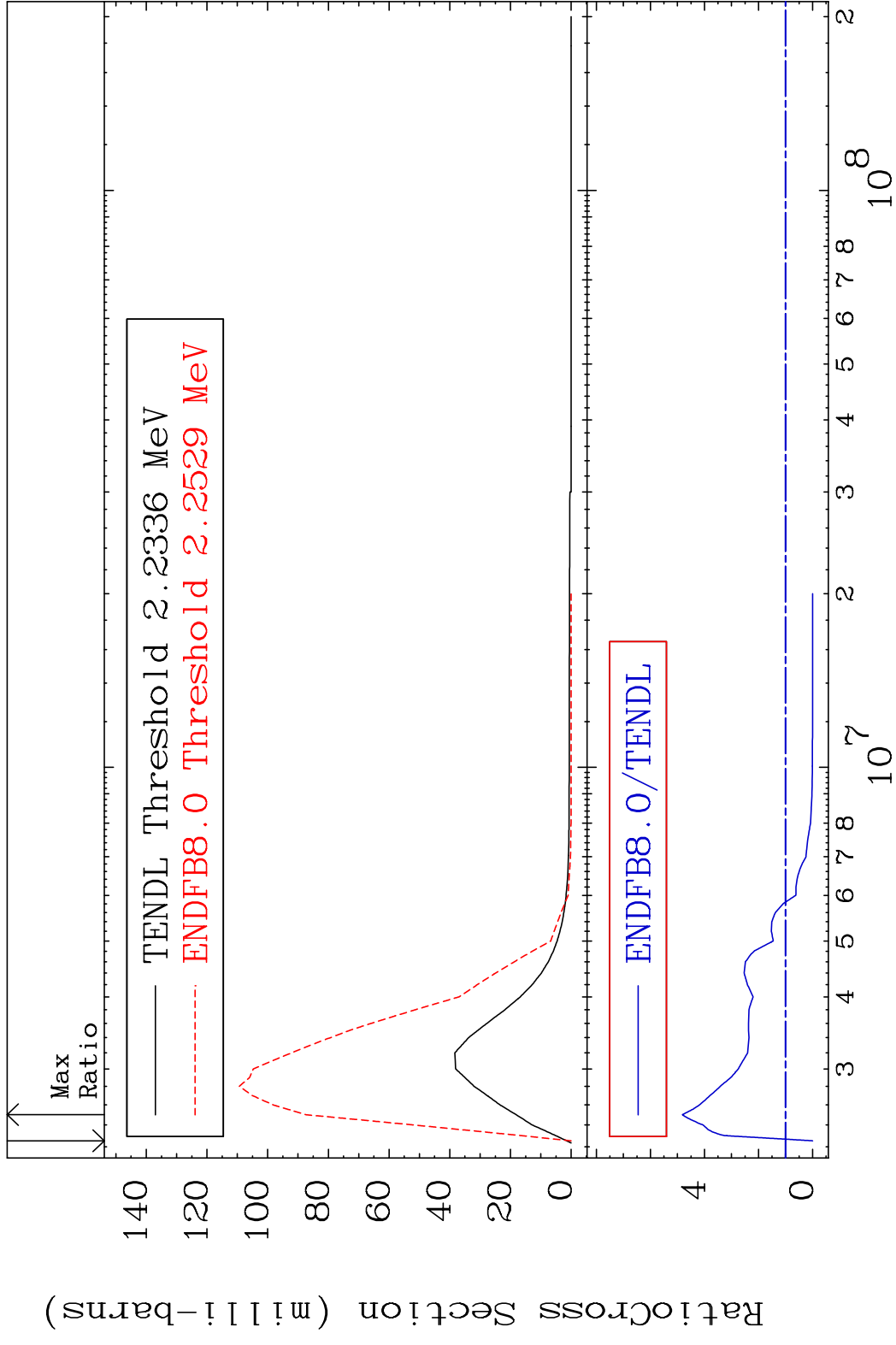
MAT 5831 MT= 57 (n, n') Level 58-Ce-138
 Cross Section -100.0 To 31.47 %



MAT 5831 MT= 58 (n,n') Level 58-Ce-138
 Cross Section -100.0 To -67.14%

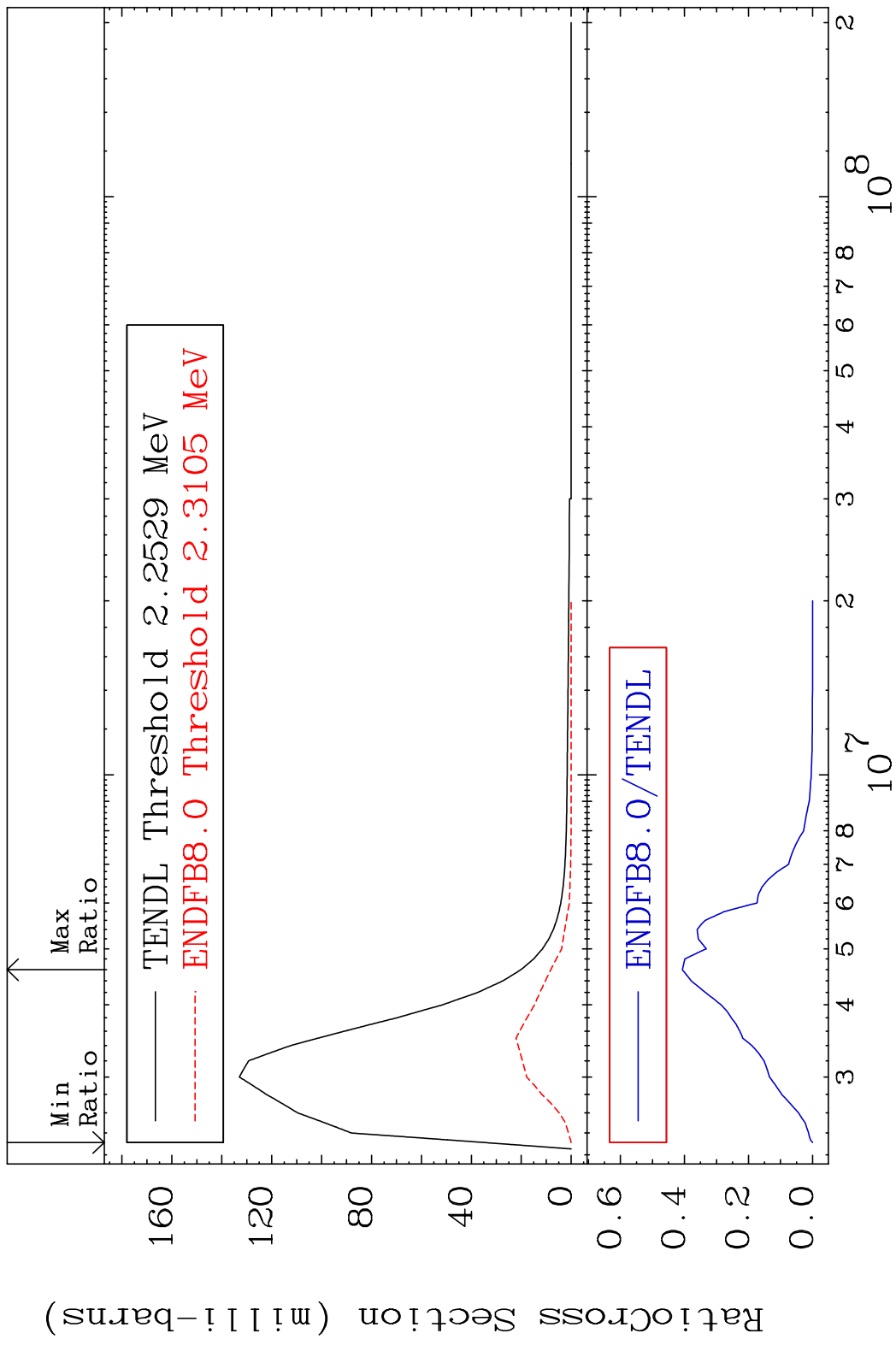


MAT 5831 MT= 59 (n,n') Level 58-Ce-138
 Cross Section -100.0 To 381.9 %

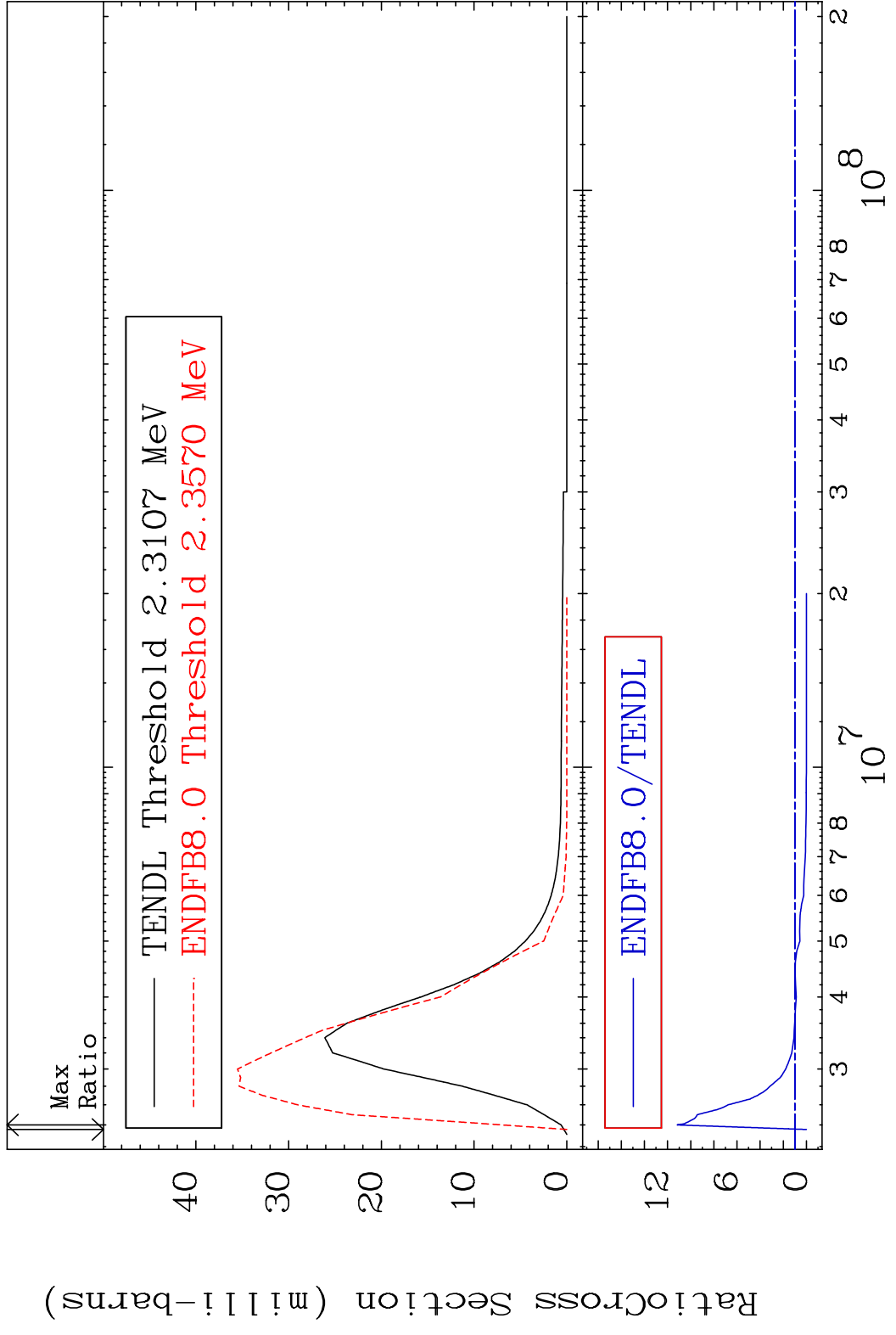


18 Incident Energy (eV) 58-Ce-138

MAT 5831 MT= 60 (n,n') Level 58-Ce-138
 Cross Section -100.0 To -59.34%

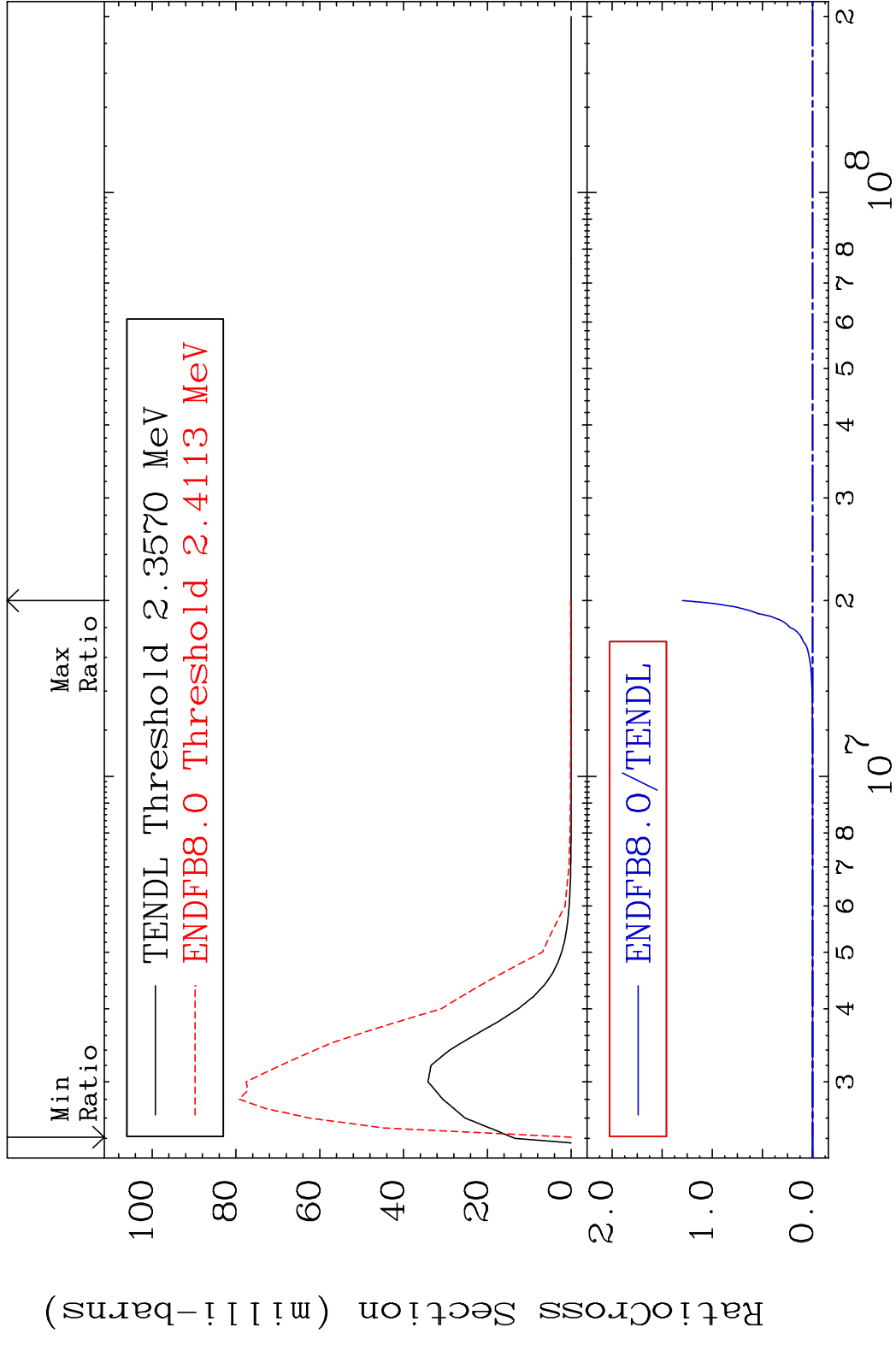


MAT 5831 MT= 61 (n,n') Level 58-Ce-138
 Cross Section -100.0 To 1017. %

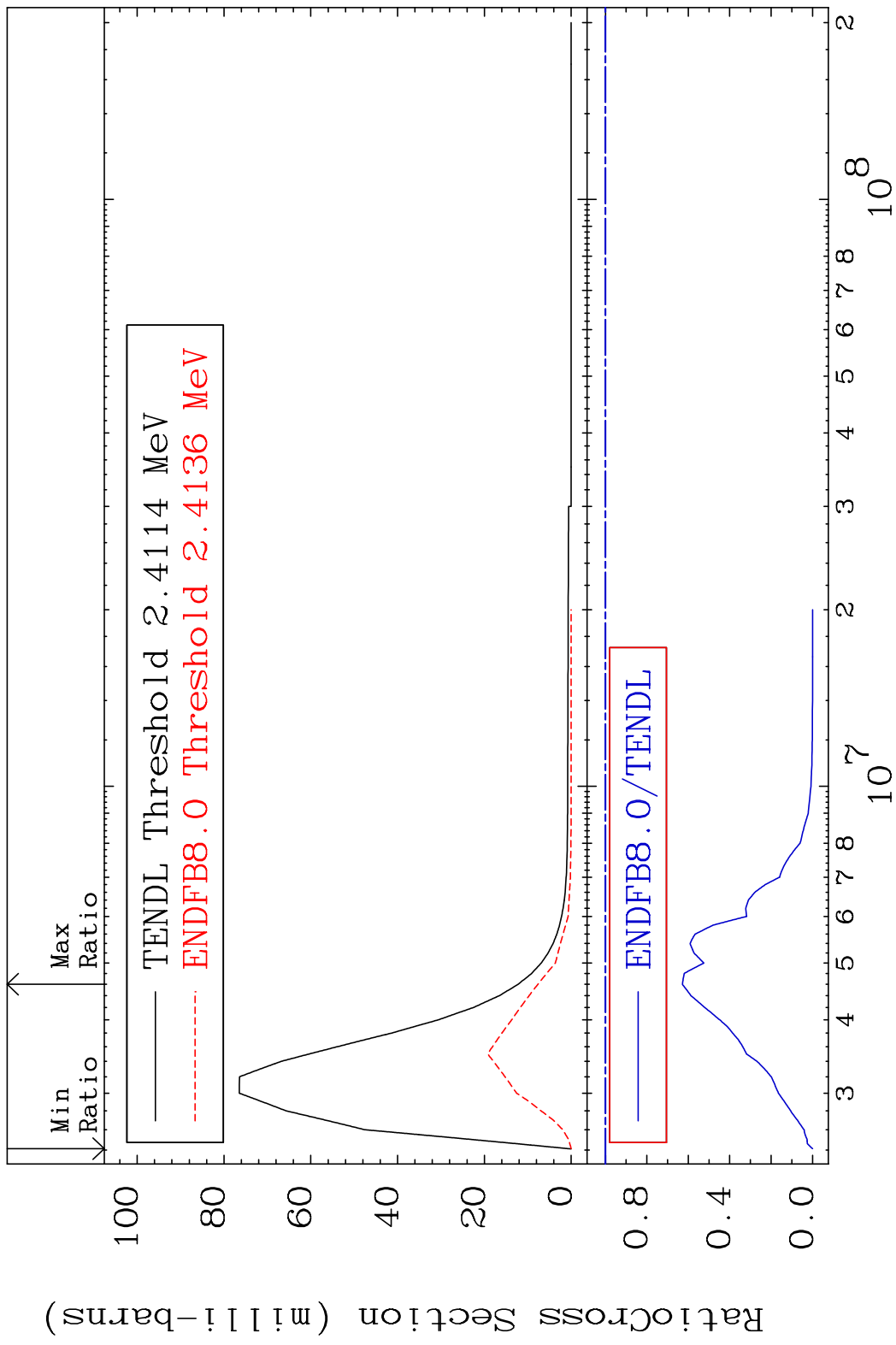


20 58-Ce-138

MAT 5831 MT= 62 (n, n') Level 58-Ce-138
 Cross Section -100.0 To 9999. %

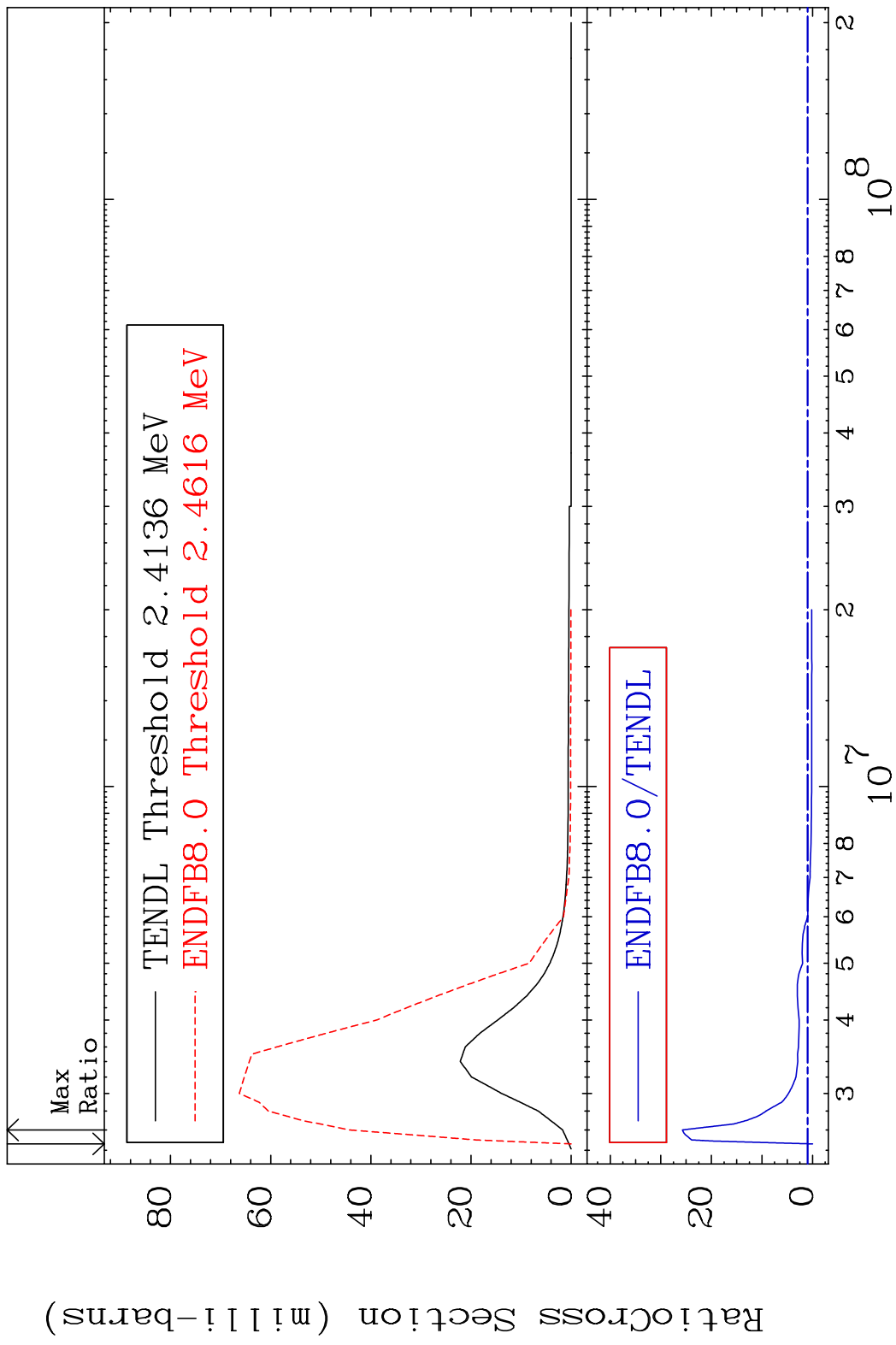


MAT 5831 MT= 63 (n,n') Level 58-Ce-138
 Cross Section -100.0 To -37.14%



22 Incident Energy (eV) 58-Ce-138

MAT 5831 MT= 64 (n,n') Level 58-Ce-138
 Cross Section -100.0 To 2474. %

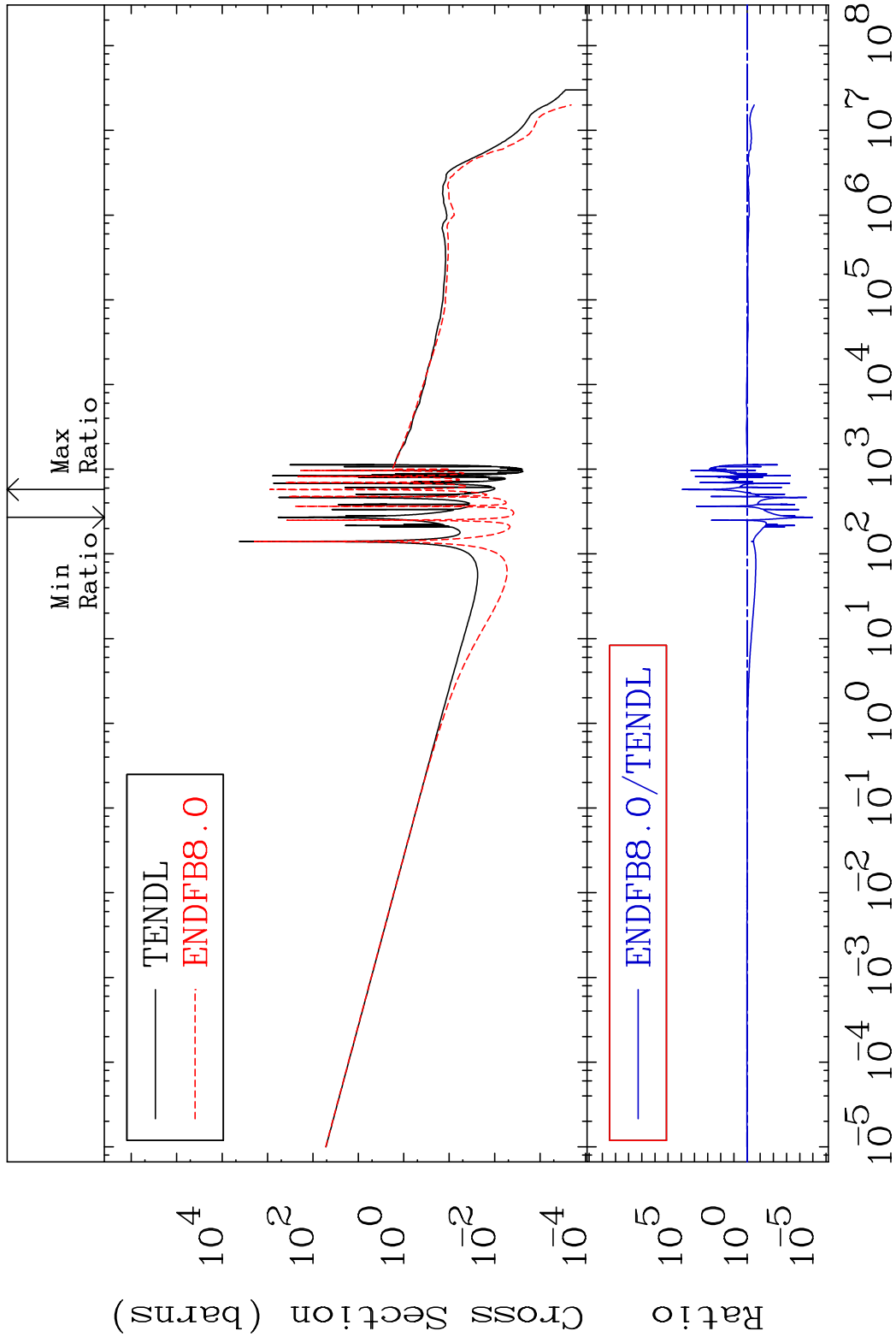


MAT 5831

(n, γ)

58-Ce-138

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

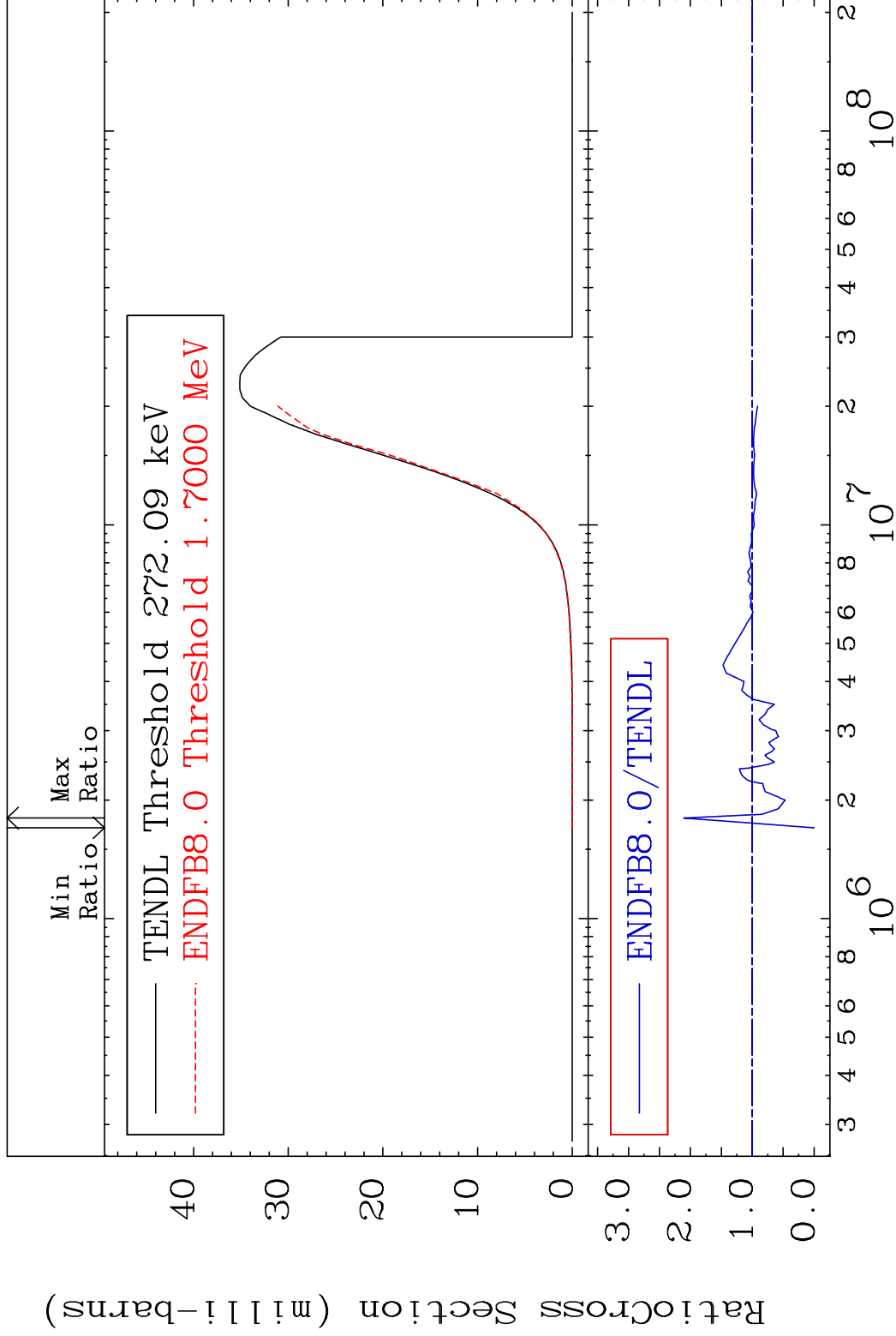
58-Ce-138

MAT 5831

(n,p)

58-Ce-138

Cross Section -100.0 To 110.9 %



26

Incident Energy (eV)

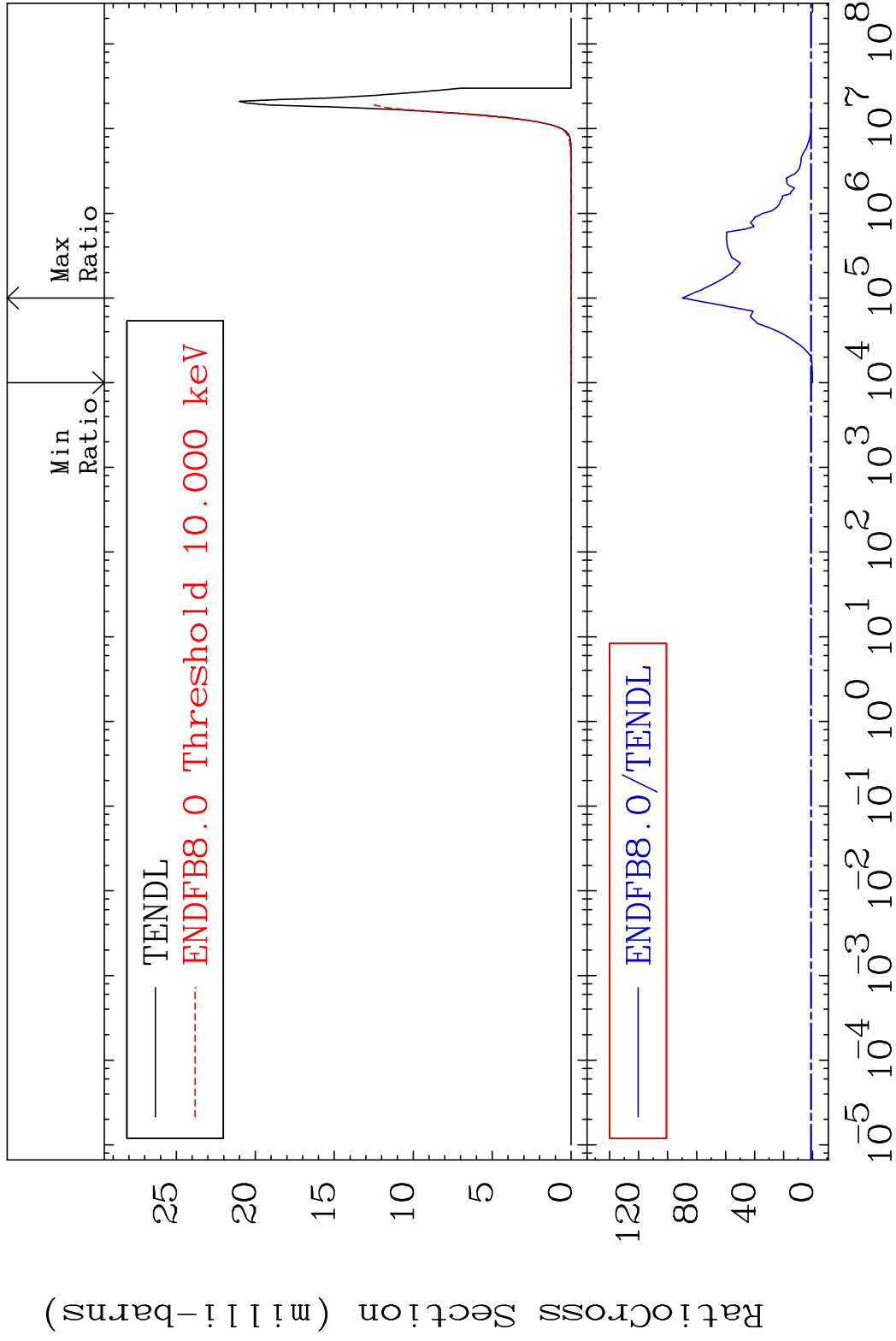
58-Ce-138

MAT 5831

(n, α)

58-Ce-138

Cross Section -100.0 To 8887. %



27

Incident Energy (eV)

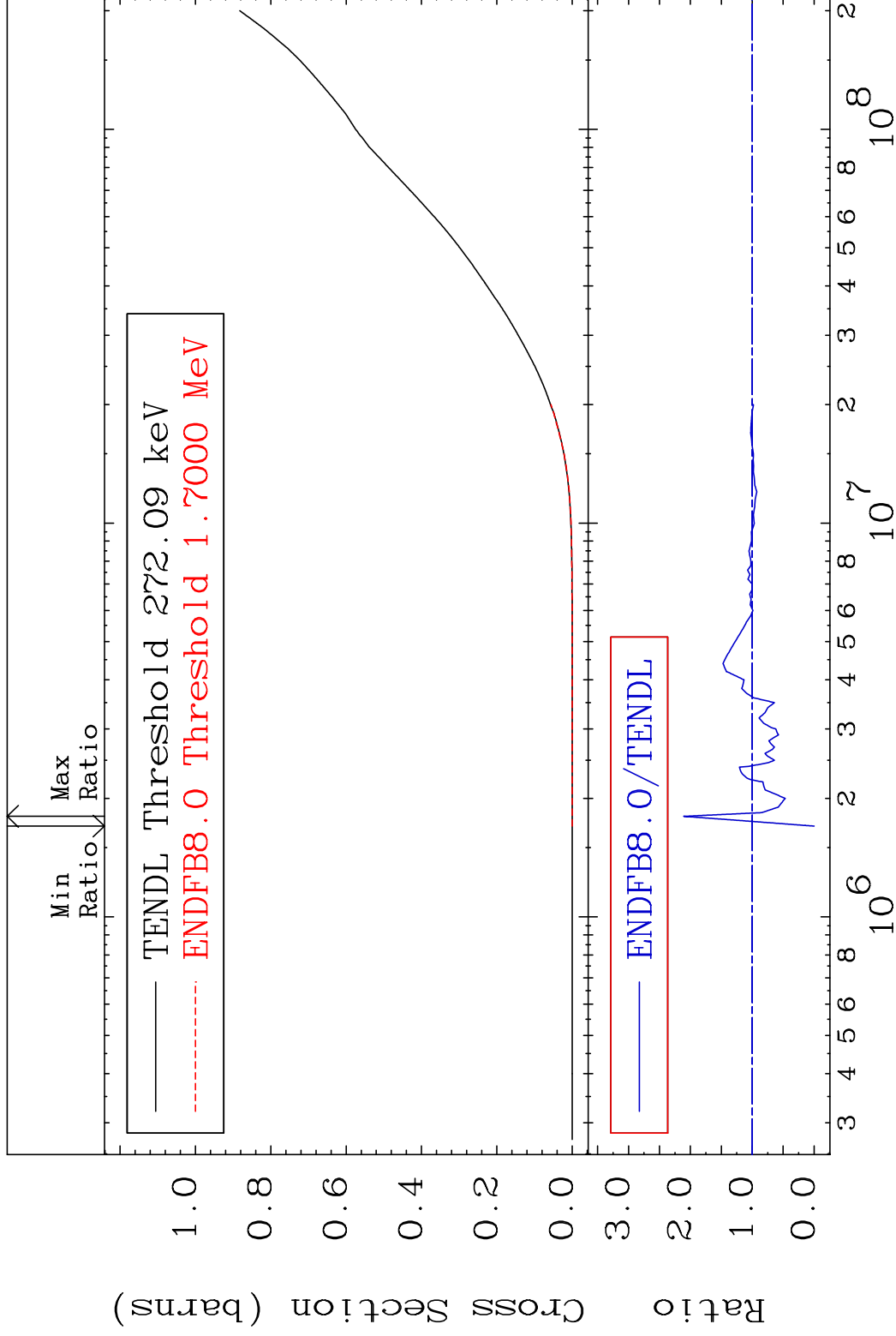
58-Ce-138

MAT 5831

Hydrogen Production

58-Ce-138

Cross Section -100.0 To 110.9 %



28

Incident Energy (eV)

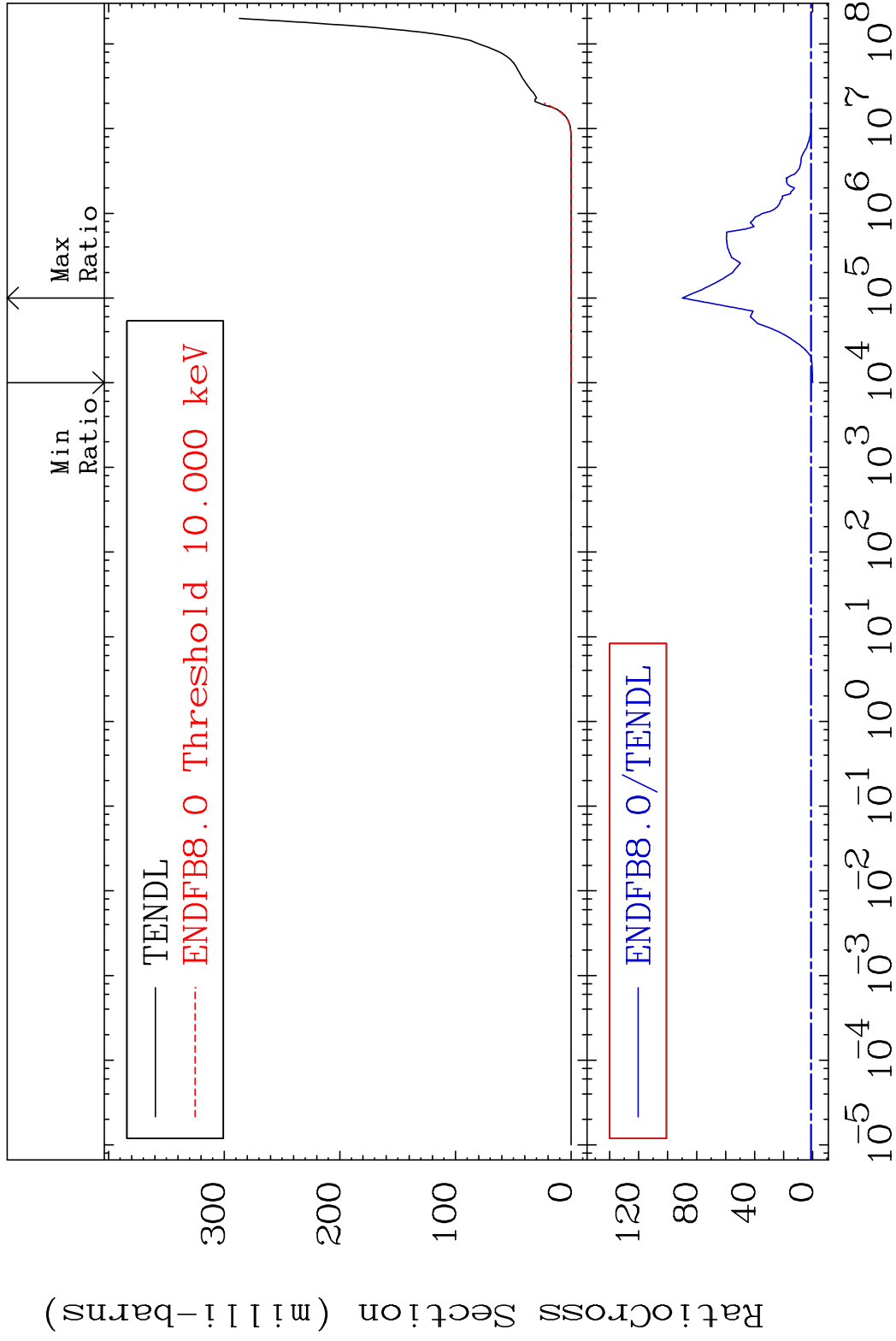
58-Ce-138

MAT 5831

He-4 Production

58-Ce-138

Cross Section -100.0 To 8887. %

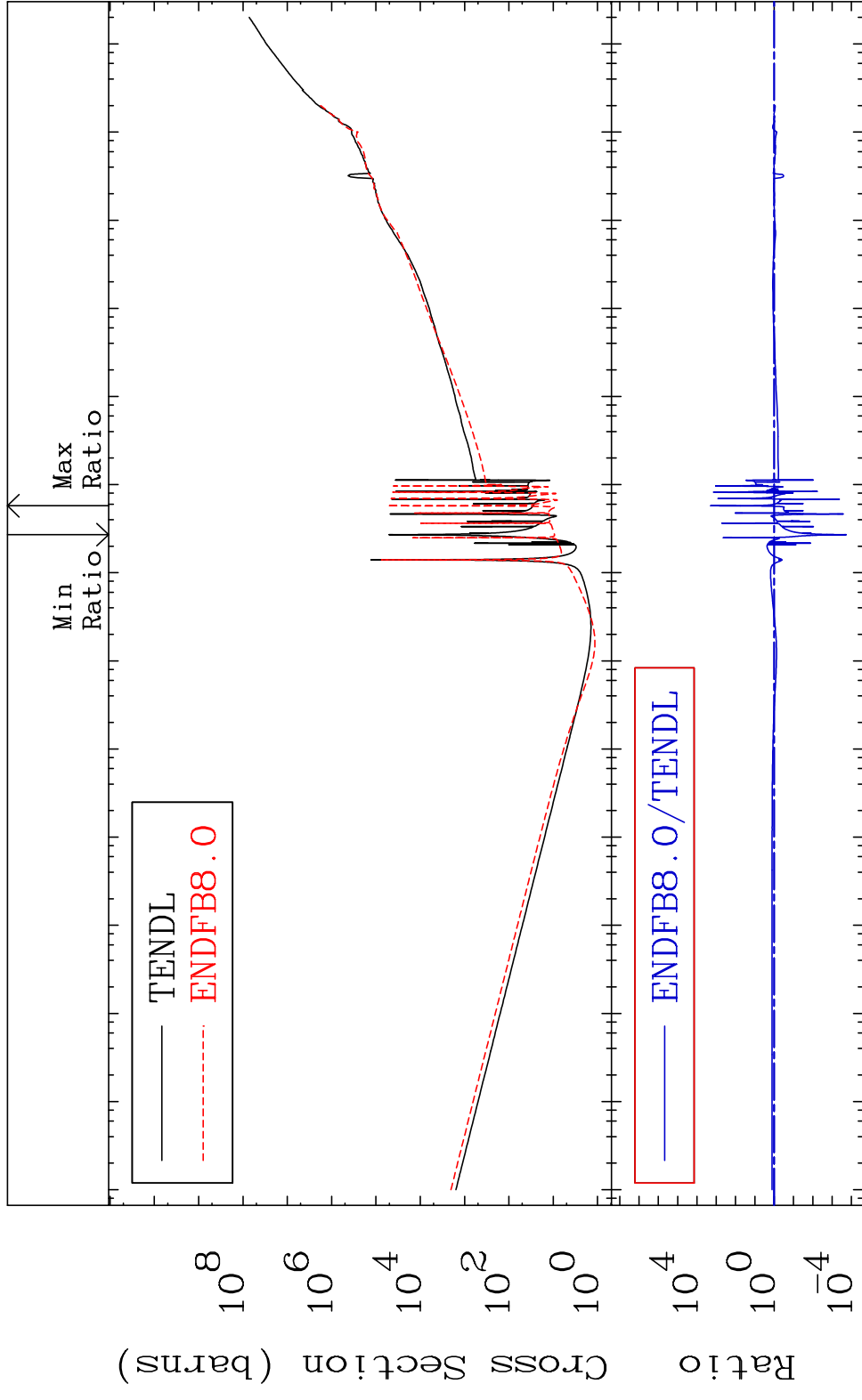


29

Incident Energy (eV)

58-Ce-138

MAT 5831 Kerma total (eV-barns) 58-Ce-138
 Cross Section -99.98 To 9999. %



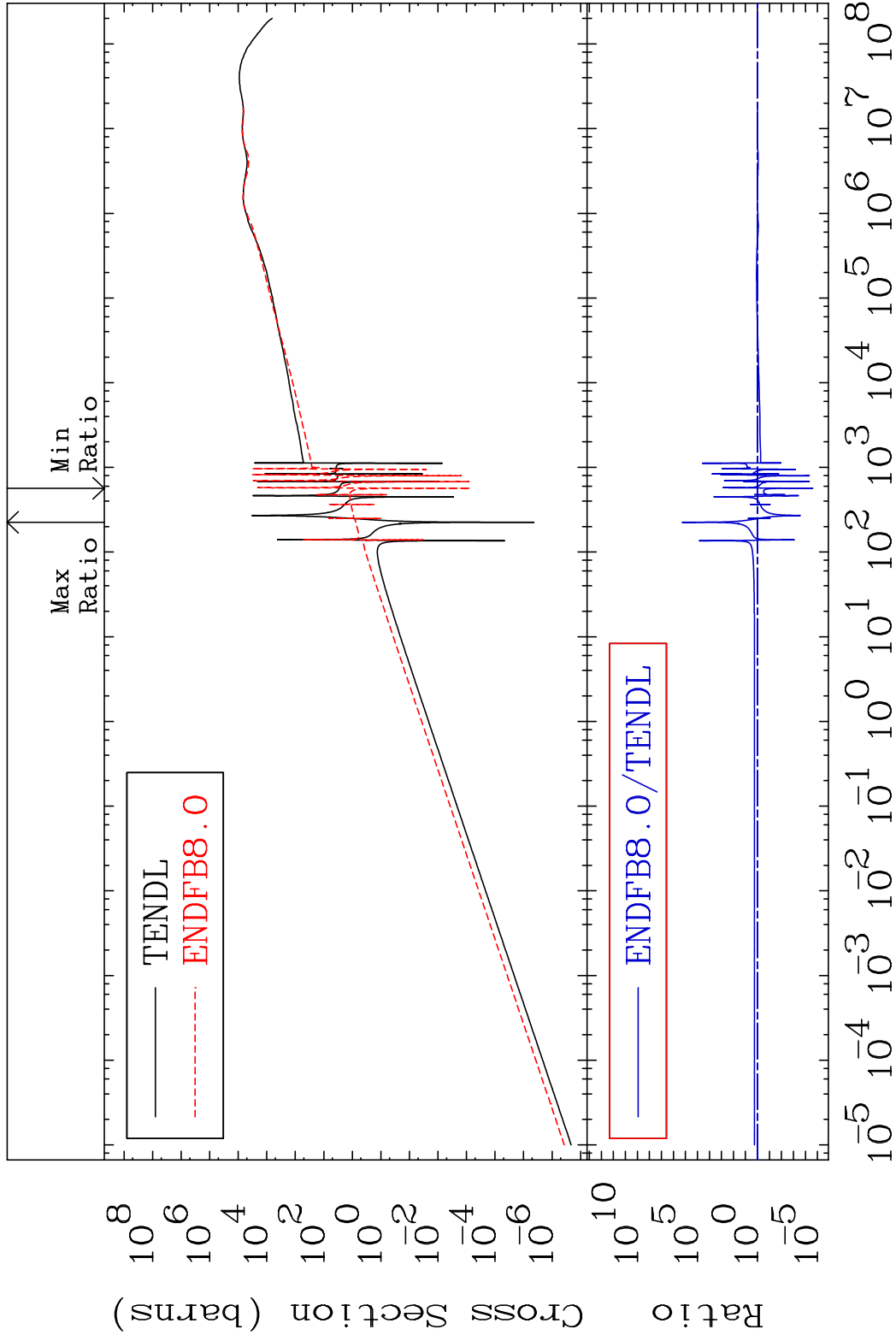
30 Incident Energy (eV) 58-Ce-138

MAT 5831

58-Ce-138

Kerma elastic

Cross Section -100.0 To 9999. %

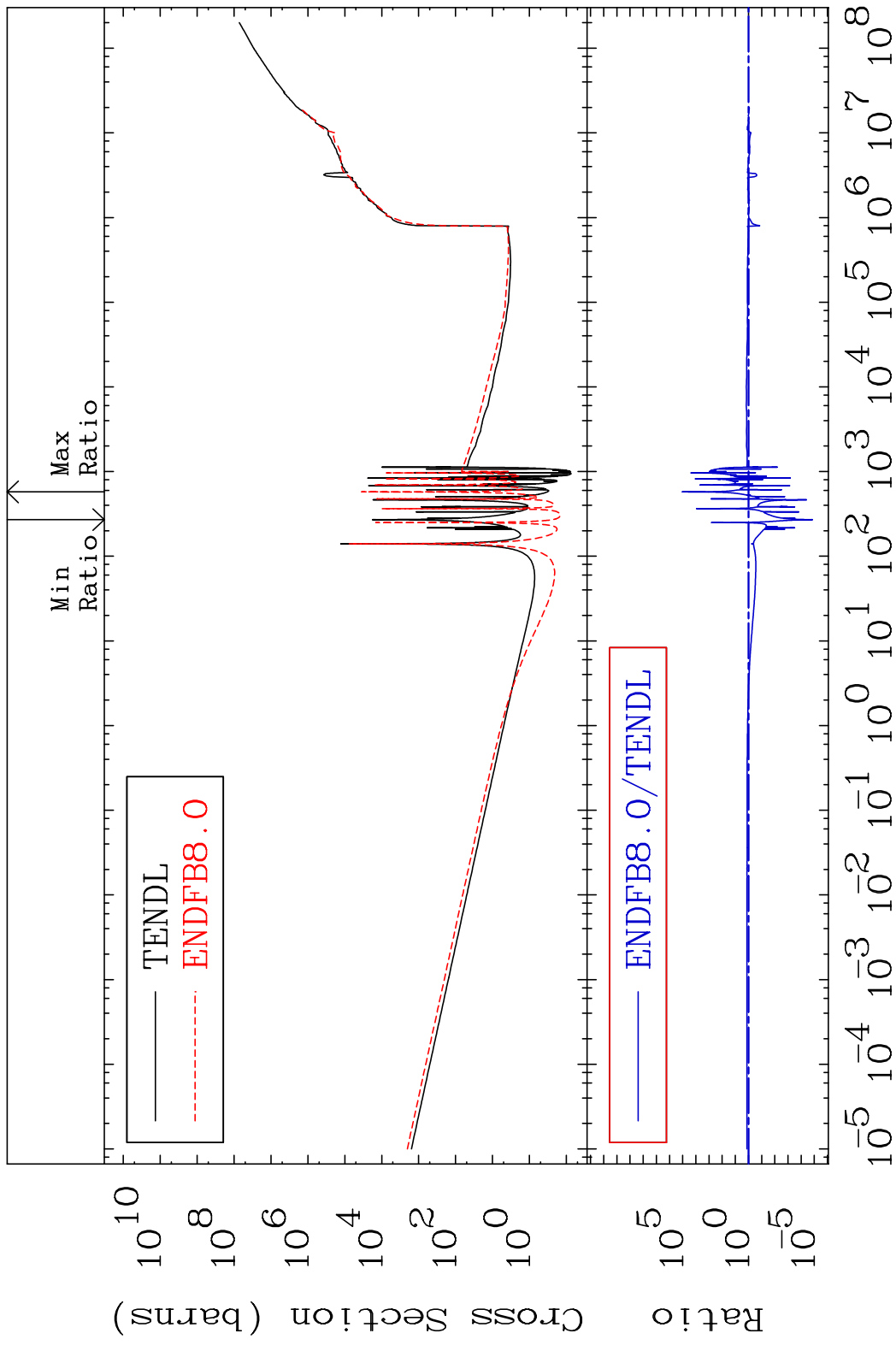


31

Incident Energy (eV)

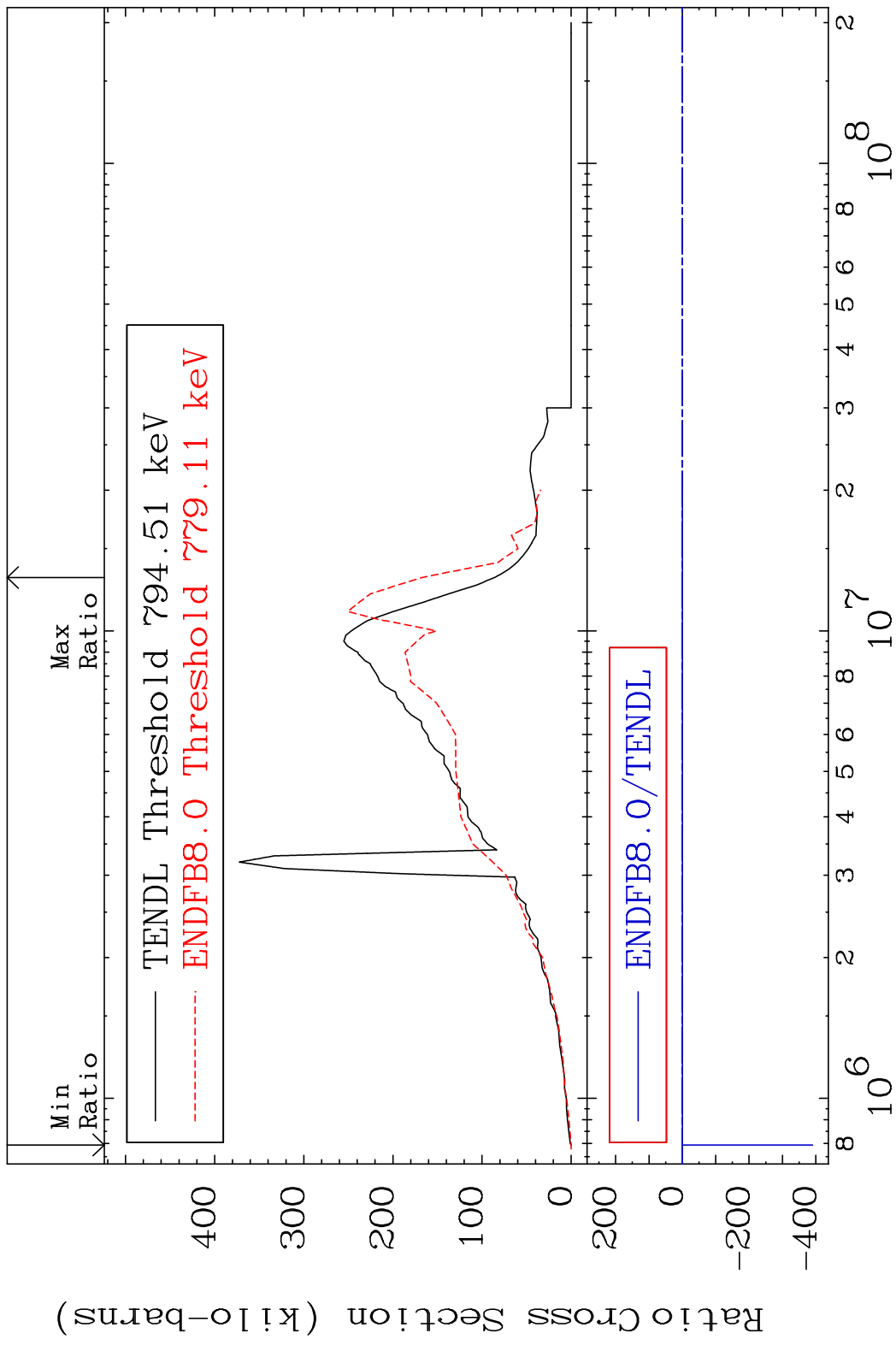
58-Ce-138

MAT 5831 Kerma non-elastic (all but mt2) 58-Ce-138
 Cross Section -100.0 To 9999. %



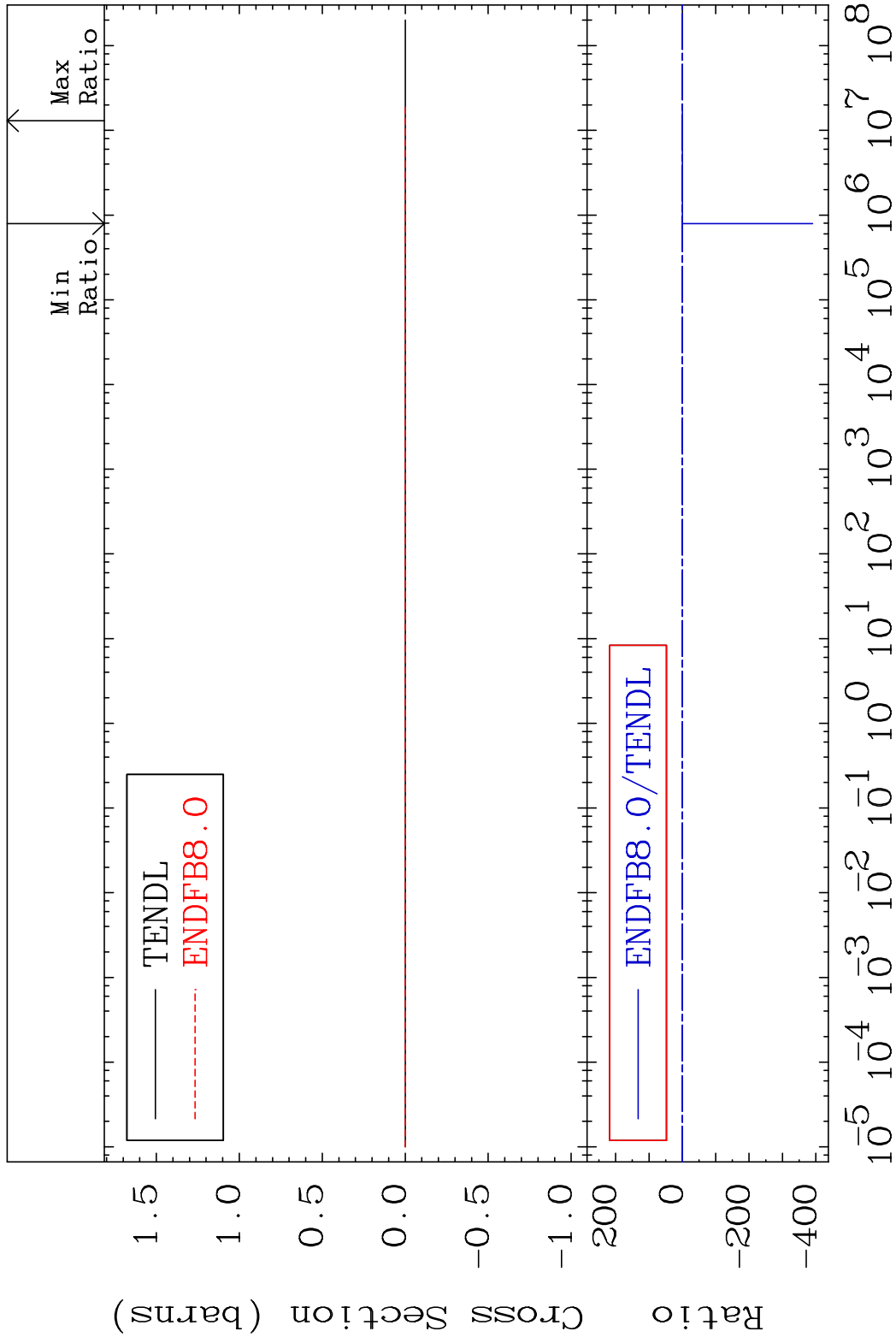
32 Incident Energy (eV) 58-Ce-138

MAT 5831 Kerma inelastic (mt51-91) 58-Ce-138
 Cross Section -9999. To 94.82 %

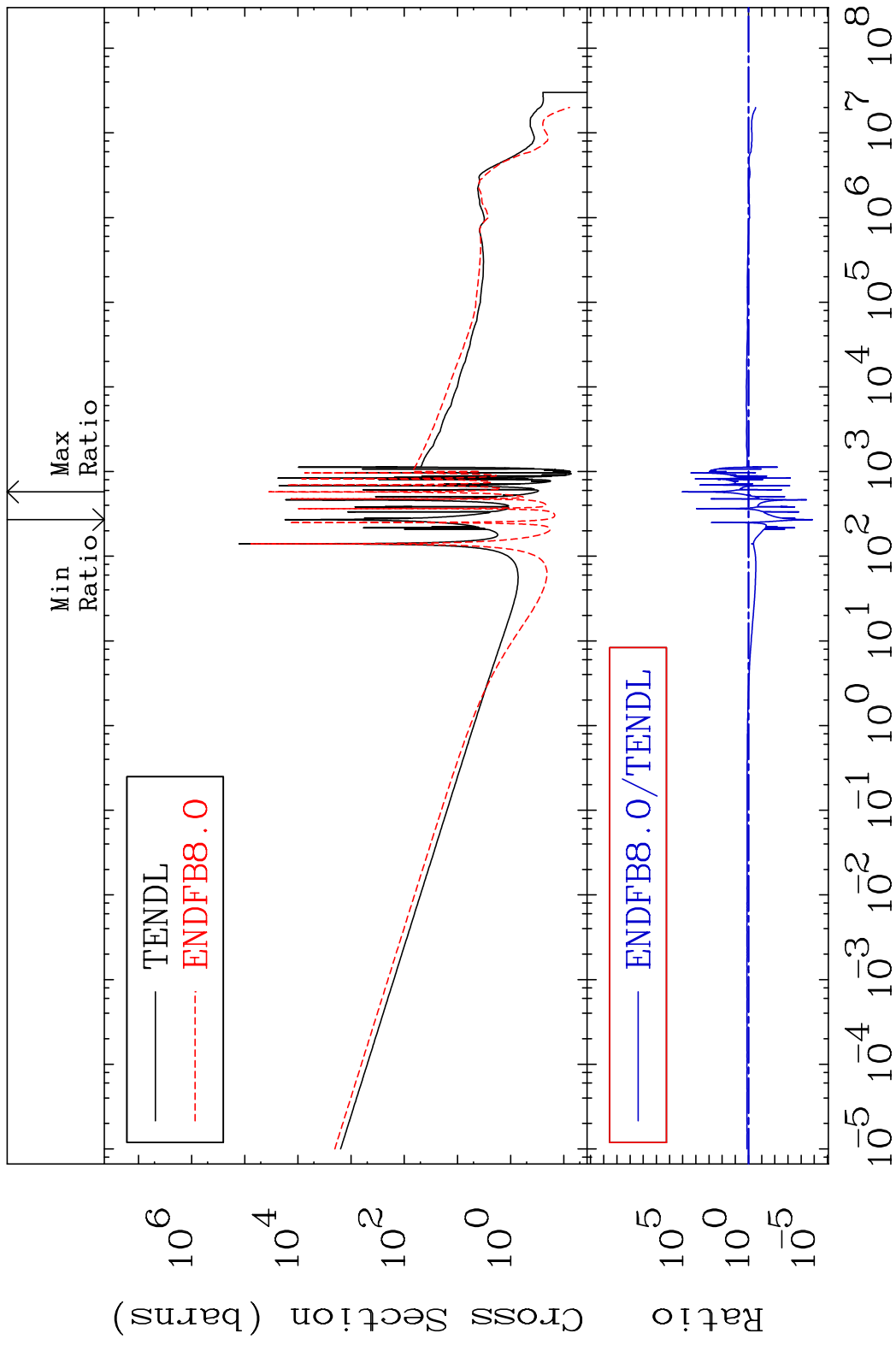


33 Incident Energy (eV) 58-Ce-138

MAT 5831 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-138
 Cross Section -9999. To 94.82 %

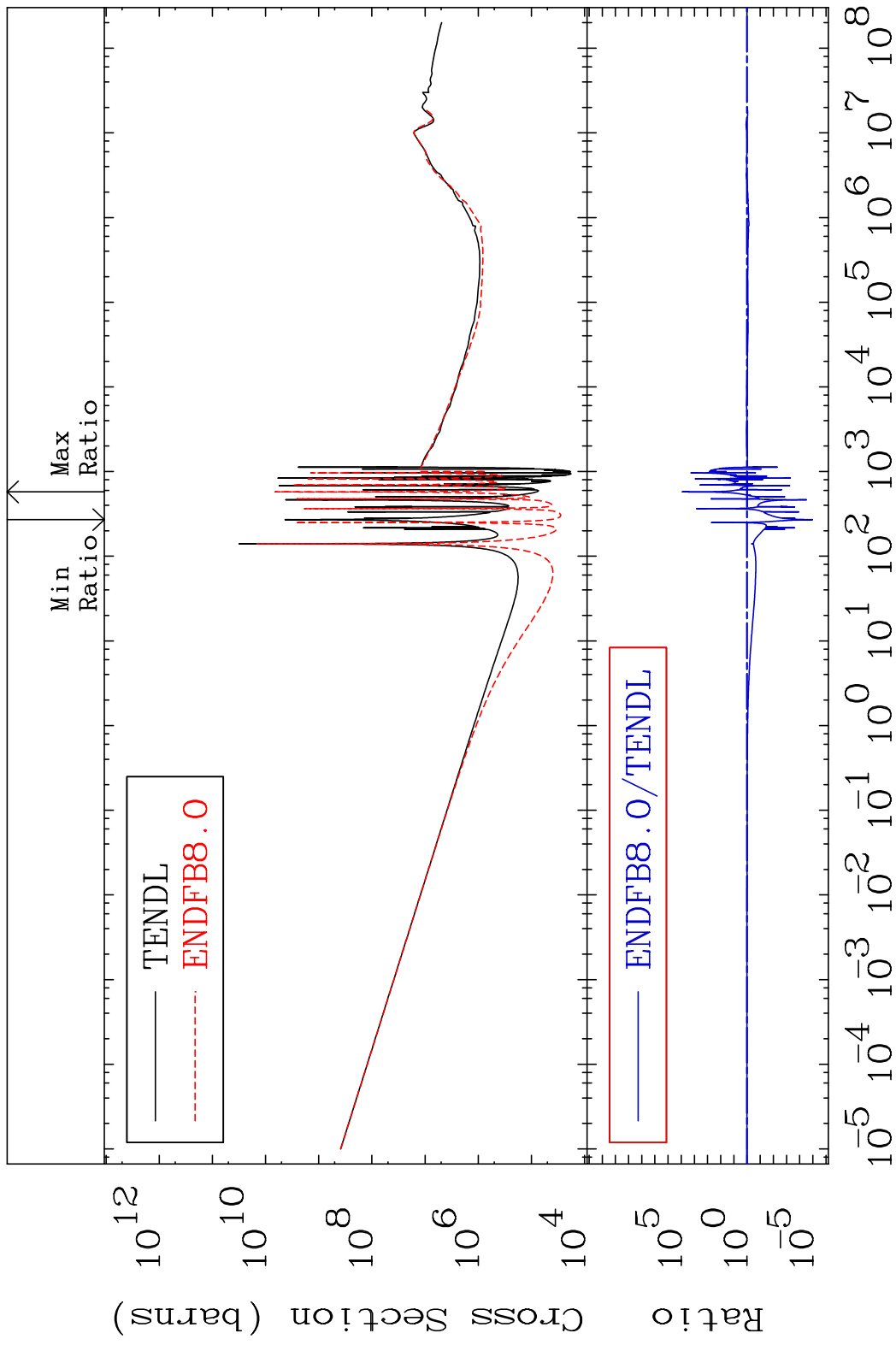


MAT 5831 Kerma capture (mt102) 58-Ce-138
 Cross Section -100.0 To 9999. %

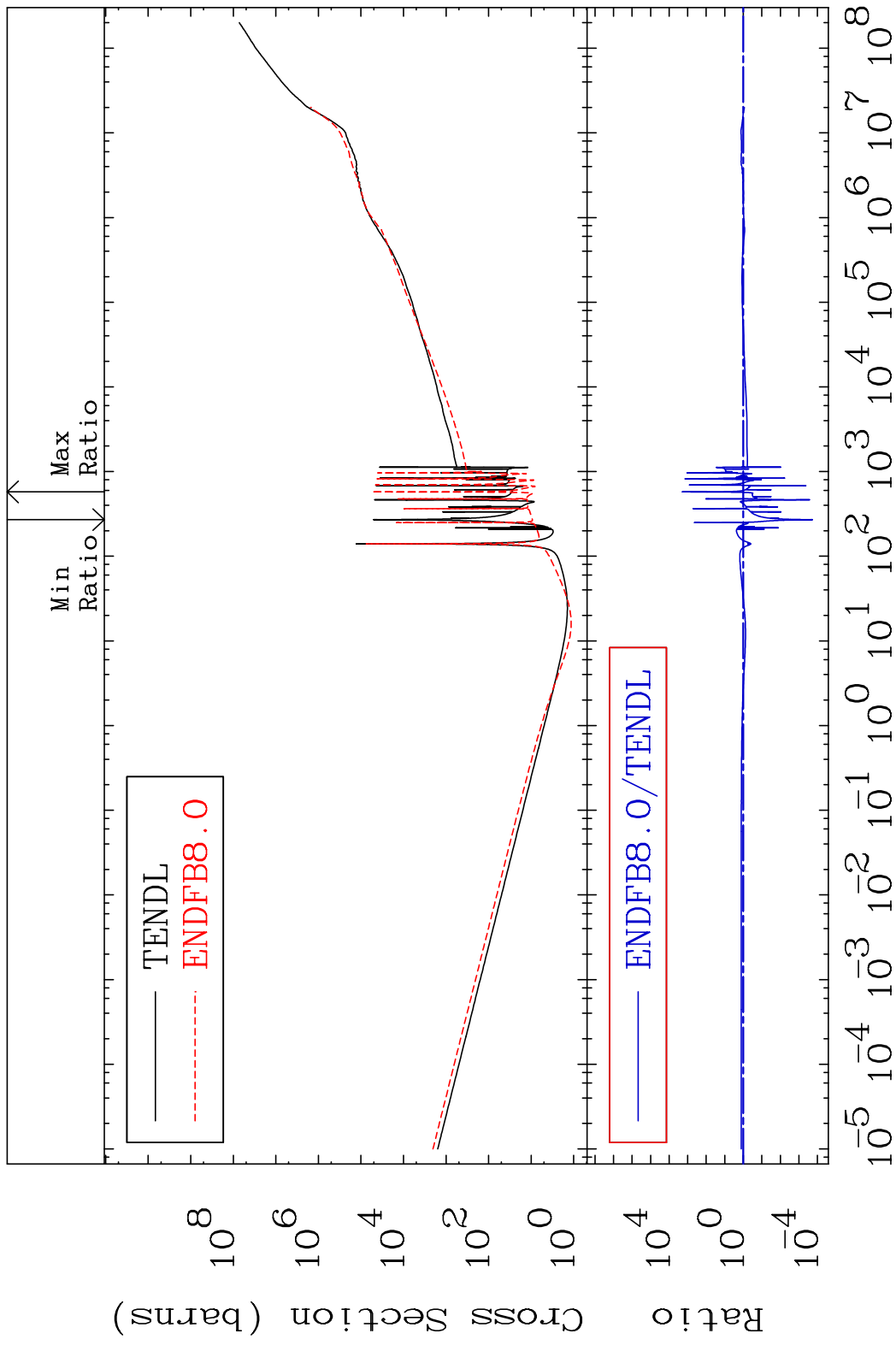


35 Incident Energy (eV) 58-Ce-138

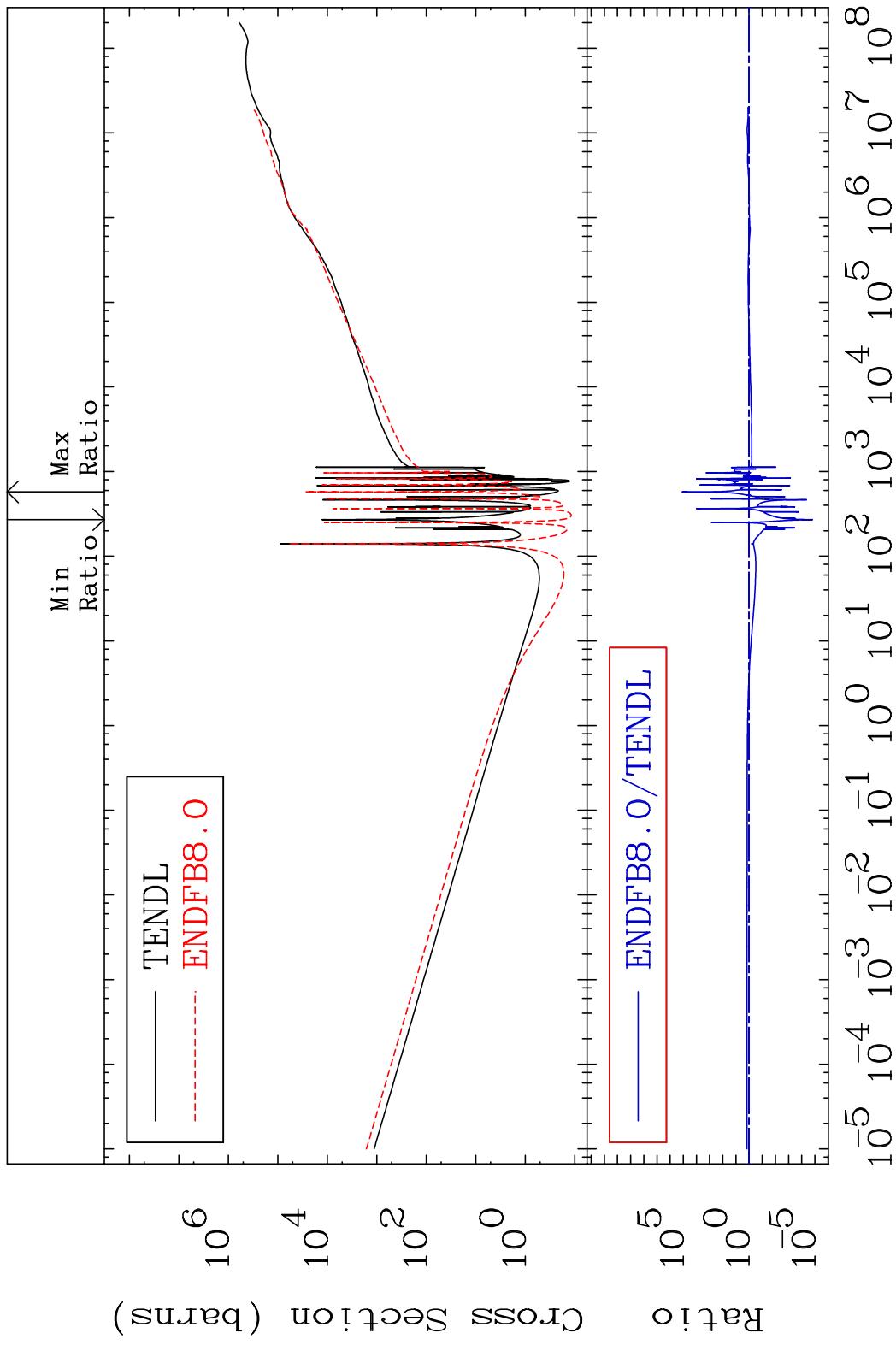
MAT 5831 Total photon (eV-barns) 58-Ce-138
 Cross Section -100.0 To 9999. %



MAT 5831 Total kinematic kerma (high limit) 58-Ce-138
 Cross Section -99.98 To 9999. %



MAT 5831 Dpa total (eV-barns) 58-Ce-138
 Cross Section -100.0 To 9999. %



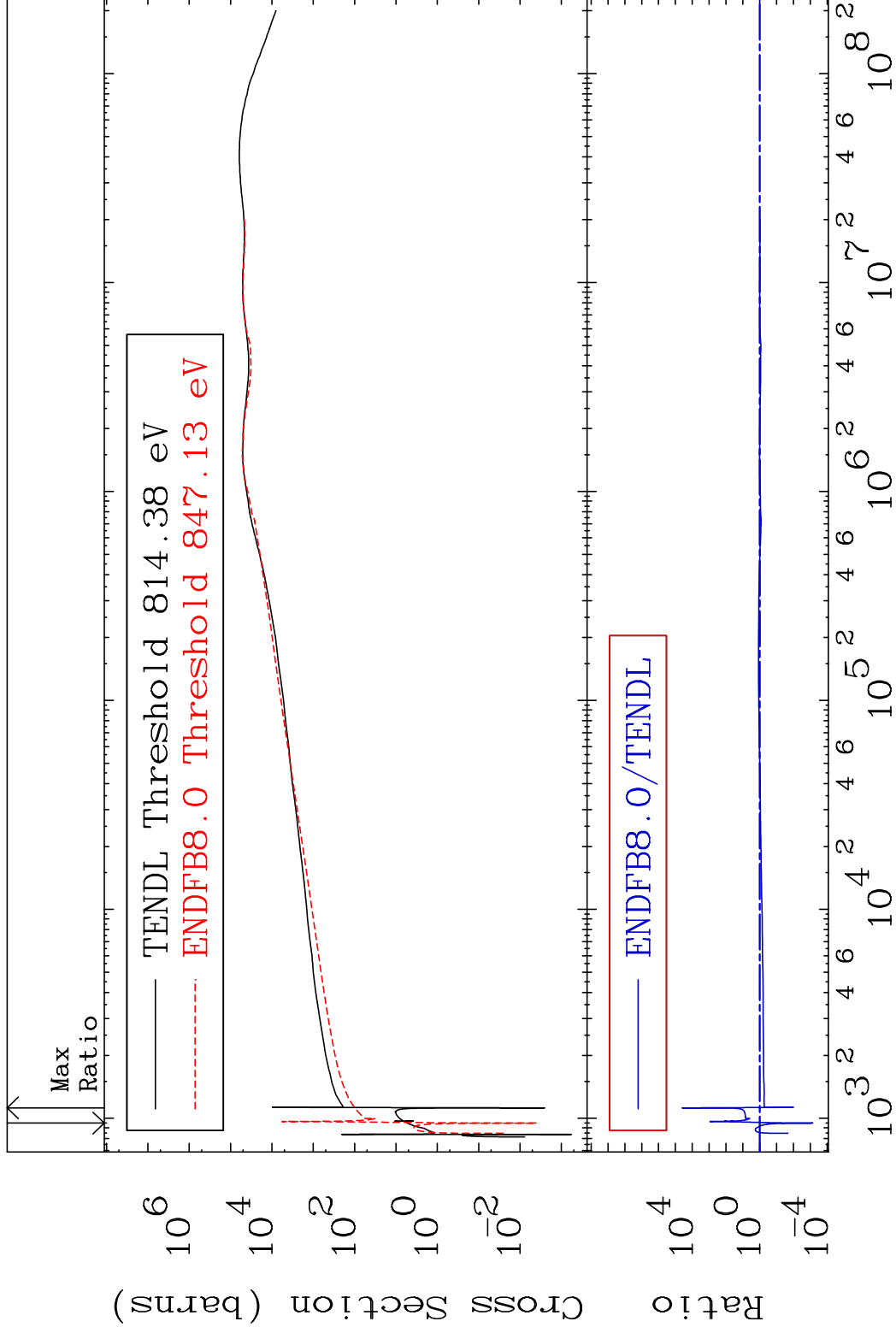
MAT 5831

Dpa elastic (mt2)

58-Ce-138

Cross Section

-99.93 To 9999. %

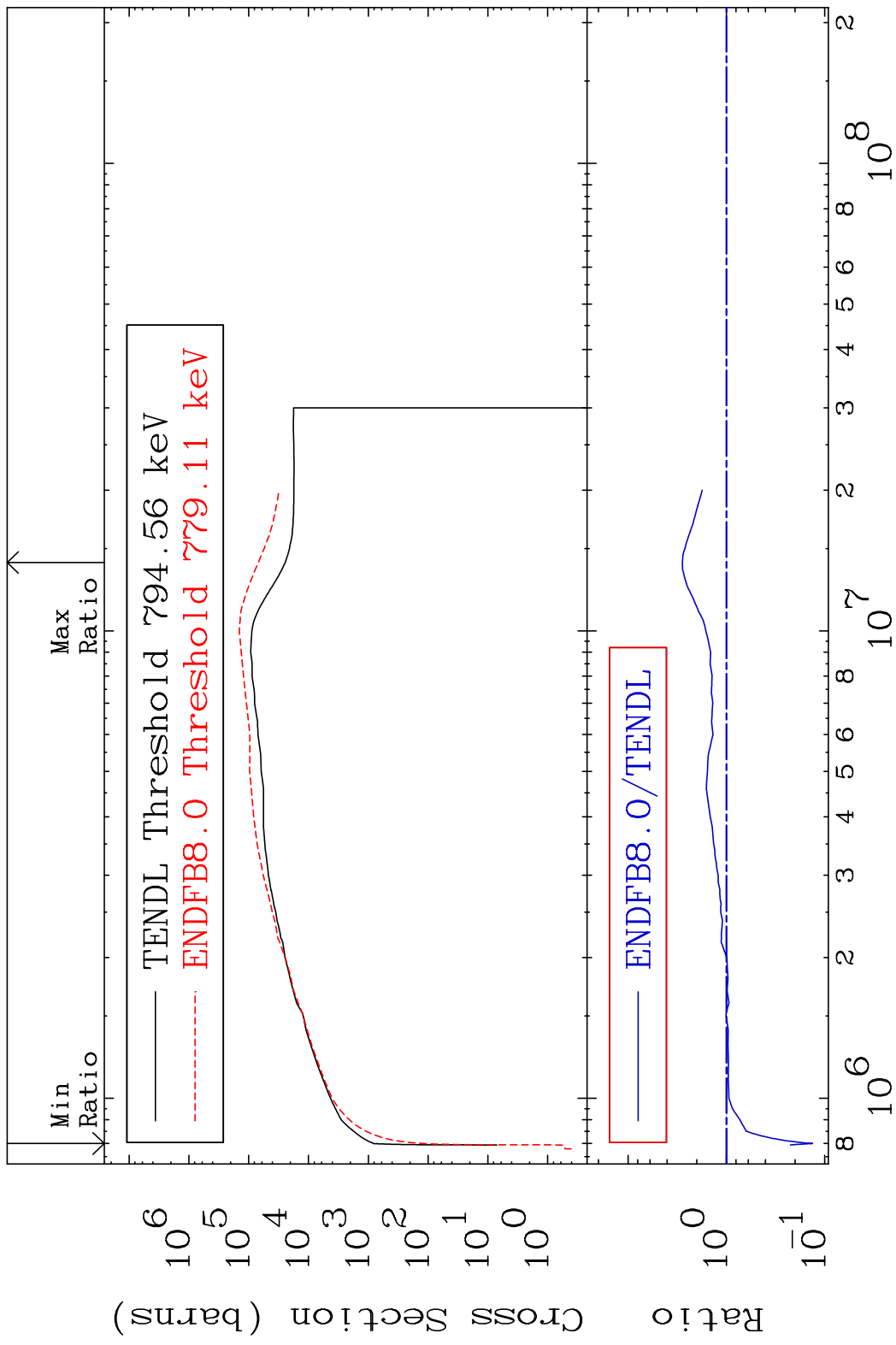


39

Incident Energy (eV)

58-Ce-138

MAT 5831 Dpa inelastic (mt51-91) 58-Ce-138
 Cross Section -86.72 To 180.6 %



40 Incident Energy (eV) 58-Ce-138

MAT 5831 Dpa disappearance (mt102 -120) 58-Ce-138
 Cross Section -100.0 To 9999. %

