

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

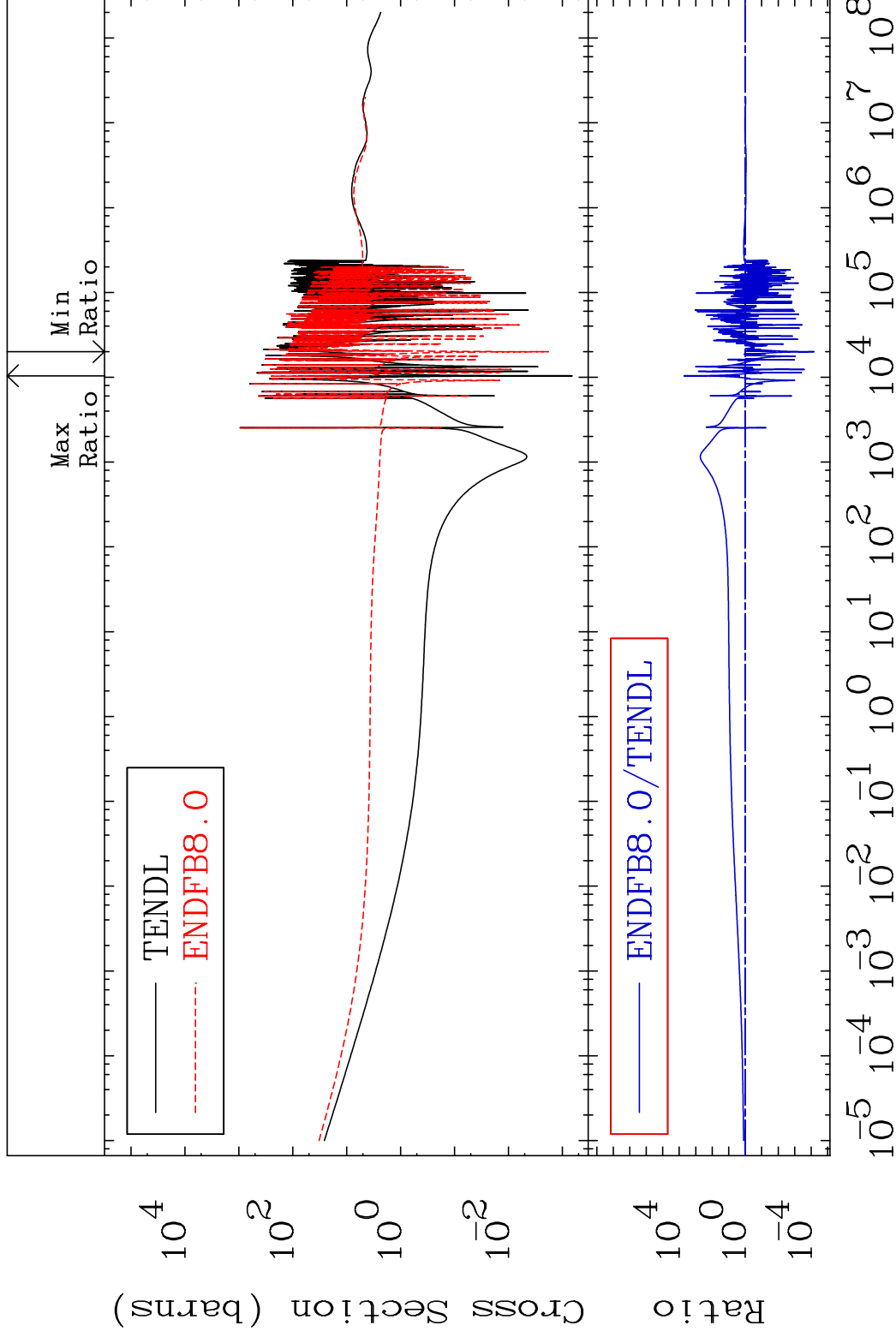
MAT 5837

Total

58-Ce-140

Cross Section

-99.99 To 9999. %



1

Incident Energy (eV)

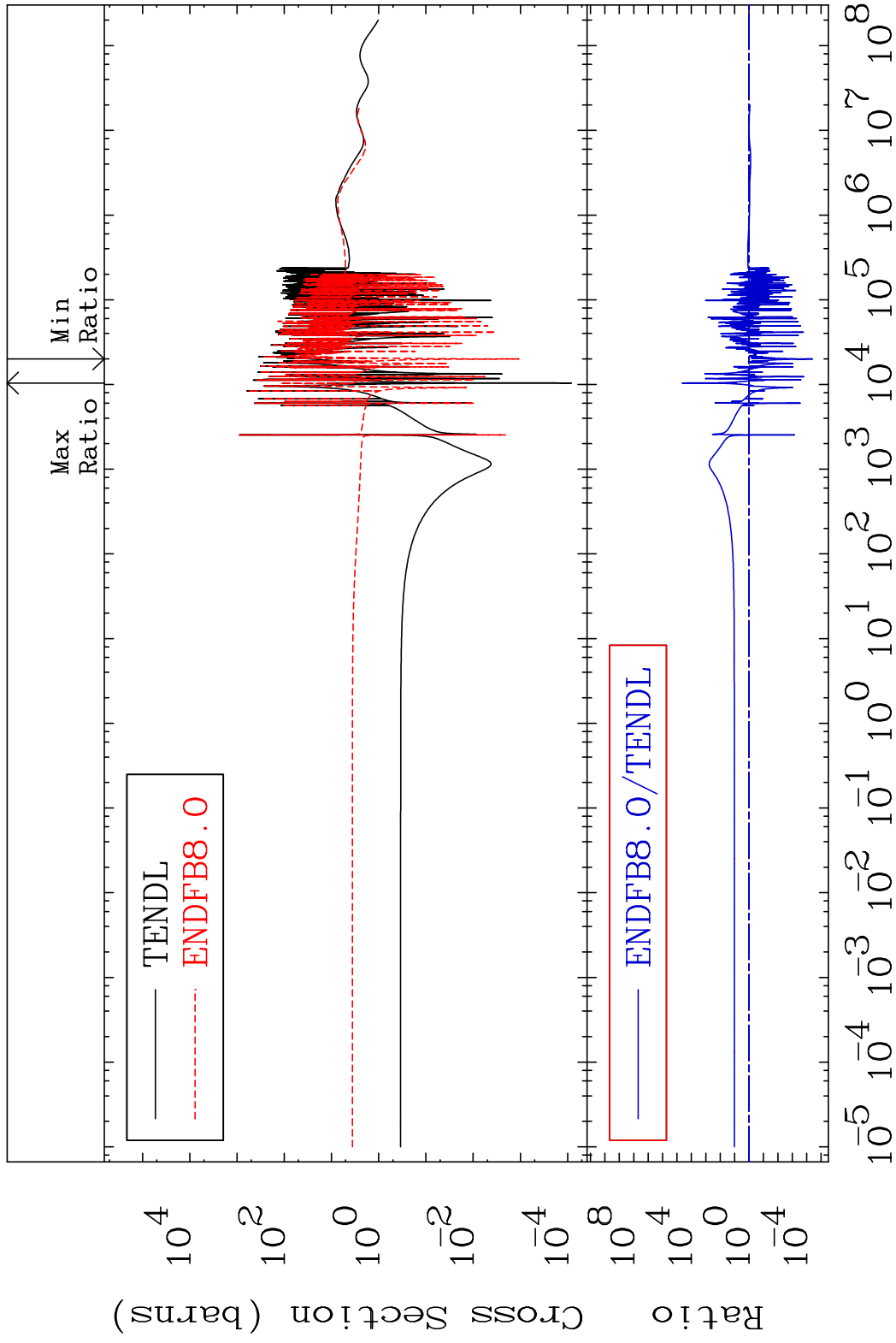
58-Ce-140

MAT 5837

Elastic

58-Ce-140

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

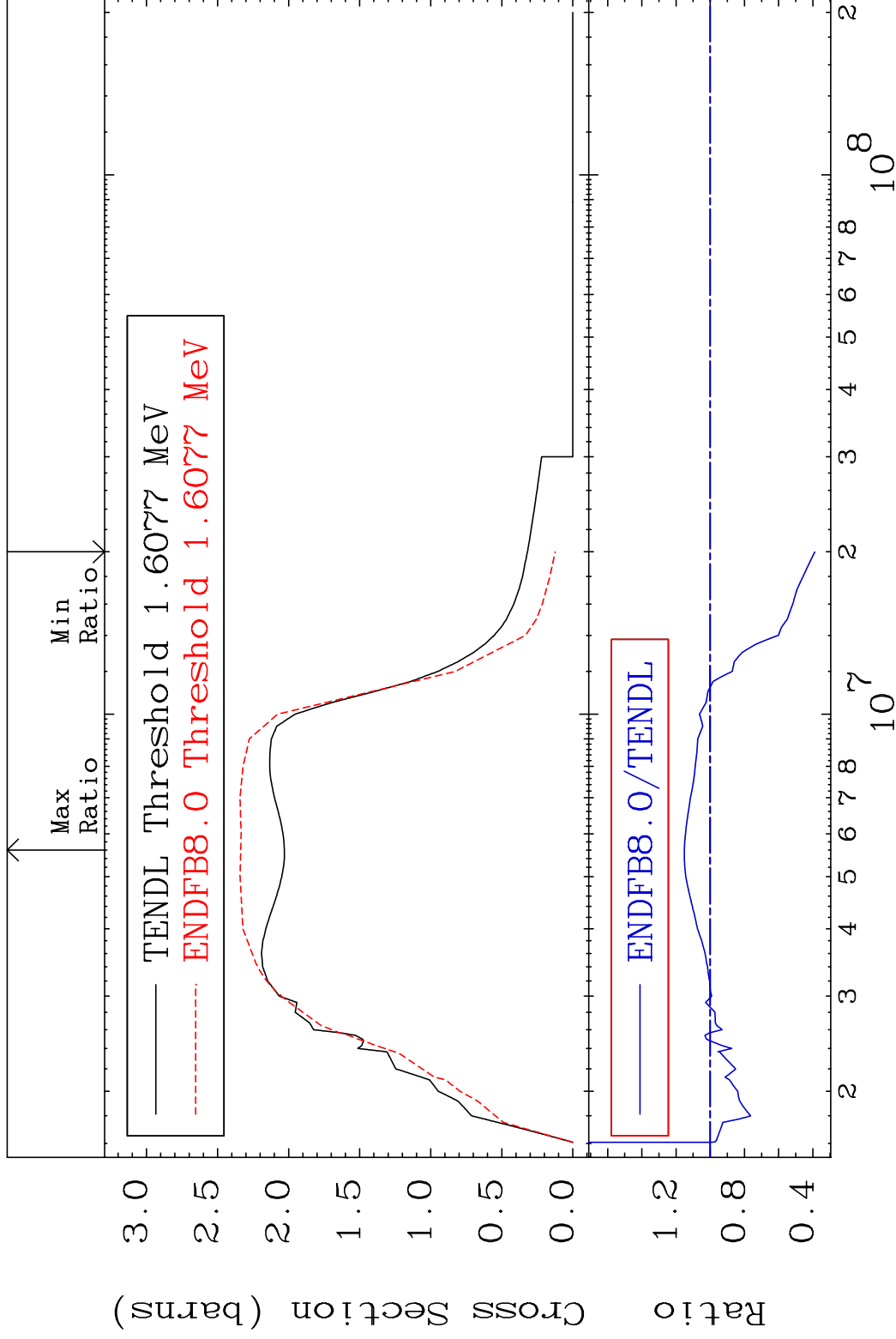
58-Ce-140

MAT 5837

Inelastic

58-Ce-140

Cross Section -61.18 To 15.17 %



3

Incident Energy (eV)

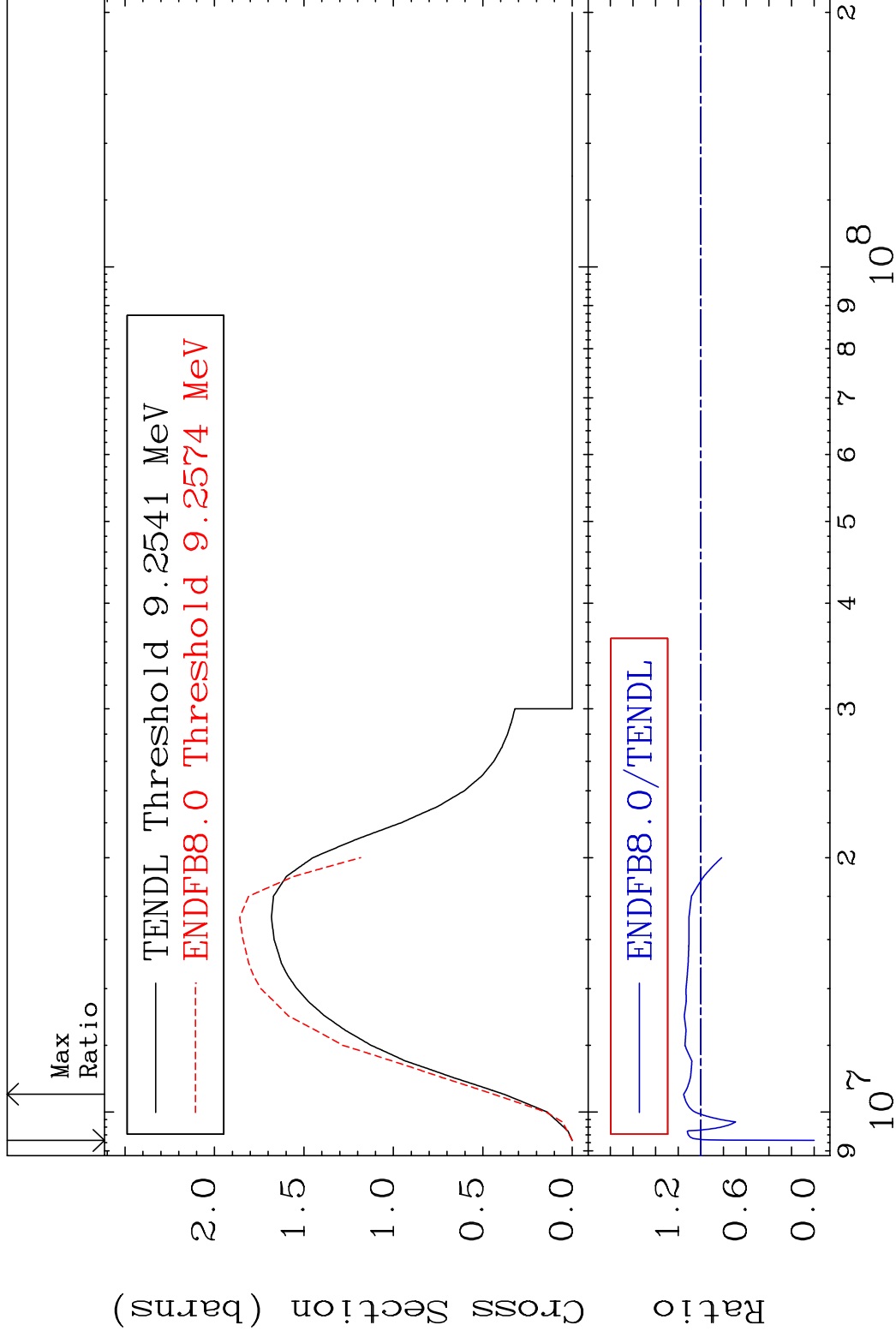
58-Ce-140

MAT 5837

(n,2n)

58-Ce-140

Cross Section -100.0 To 15.19 %



4

Incident Energy (eV)

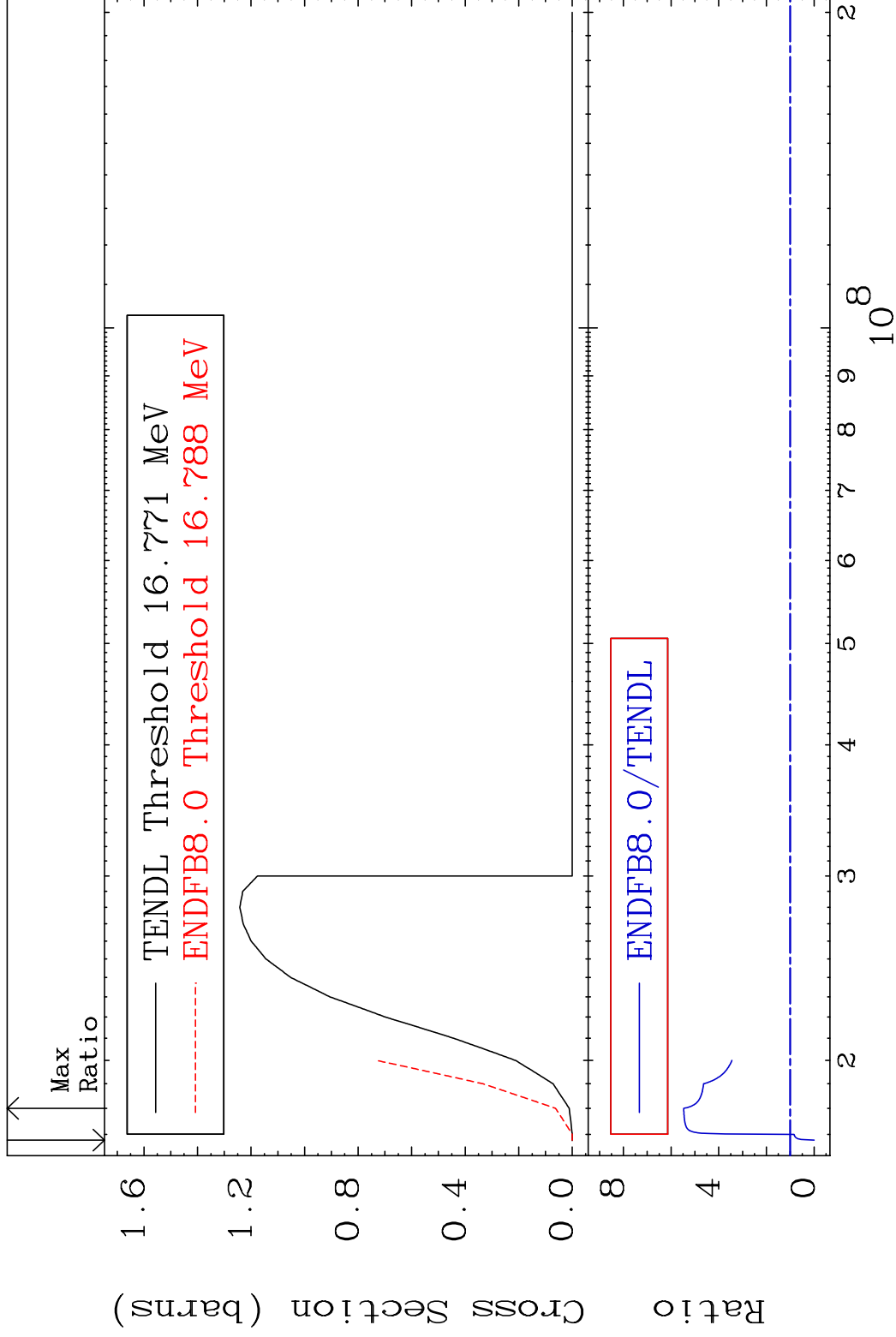
58-Ce-140

MAT 5837

(n,3n)

58-Ce-140

Cross Section -100.0 To 447.2 %



5

Incident Energy (eV)

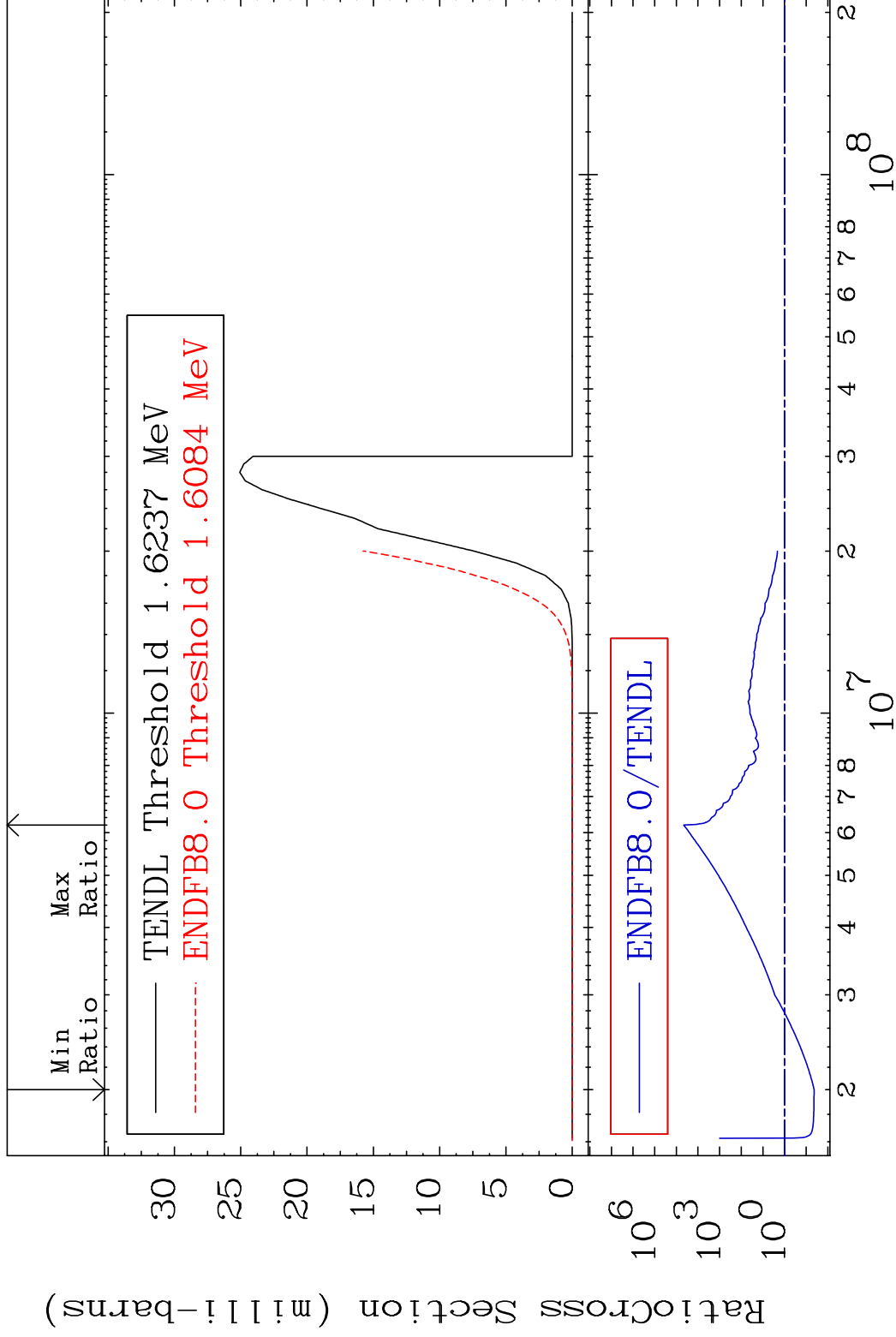
58-Ce-140

MAT 5837

(n, n') α

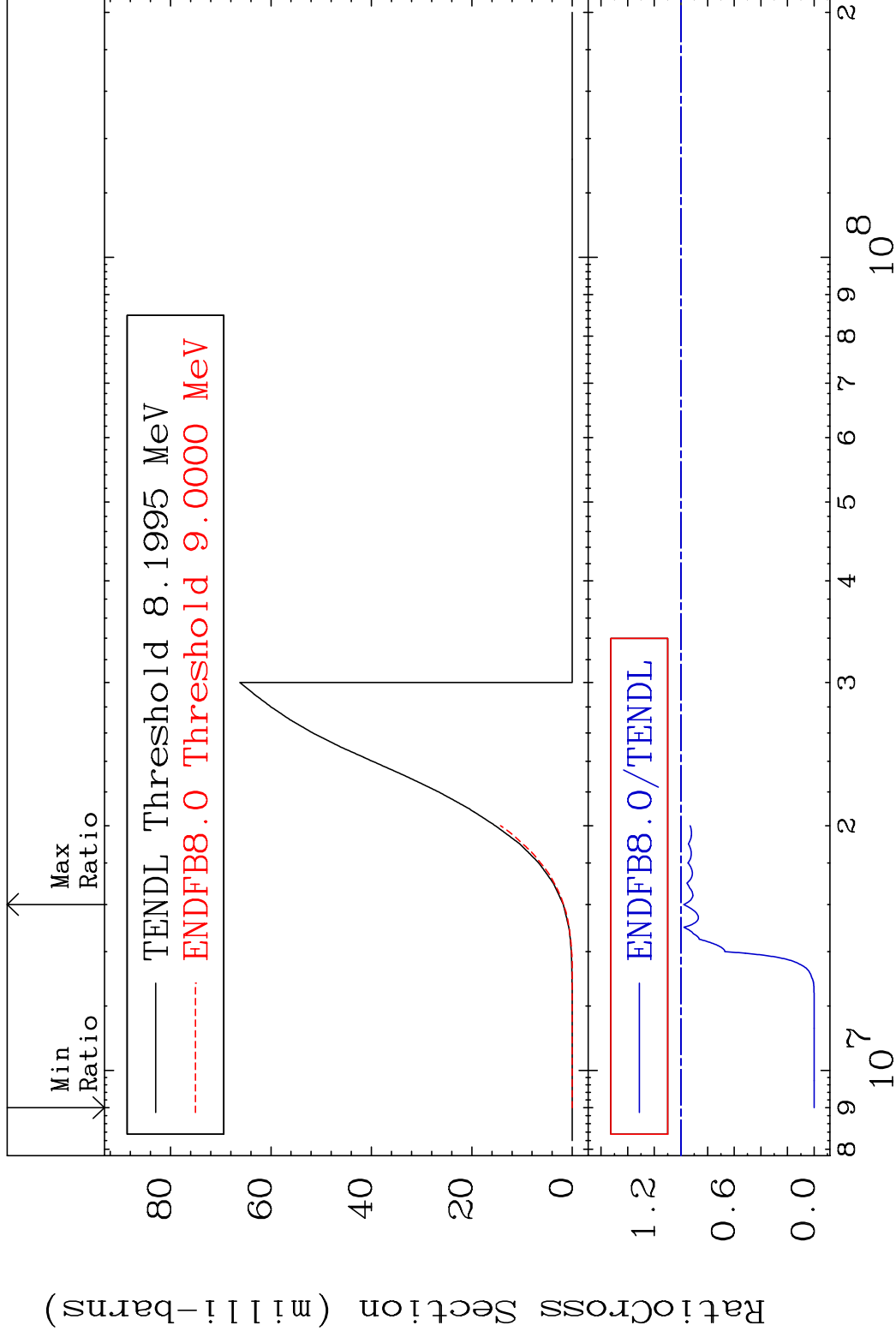
58-Ce-140

Cross Section -95.71 To 9999. %



MAT 5837

(n, n') p 58-Ce-140
Cross Section -100.0 To -2.036%



7

Incident Energy (eV)

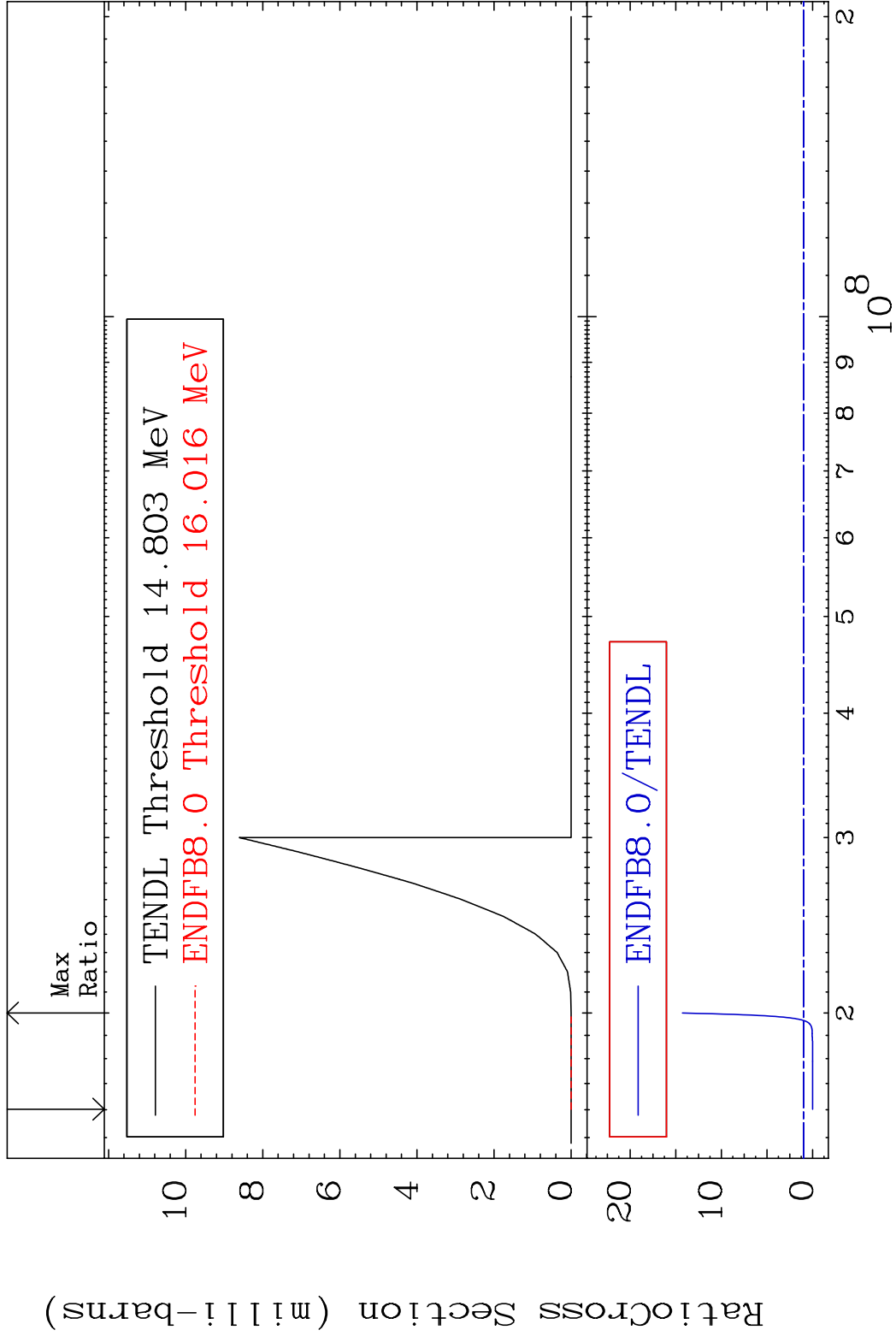
58-Ce-140

MAT 5837

(n, n') d

58-Ce-140

Cross Section -100.0 To 1328. %



8

Incident Energy (eV)

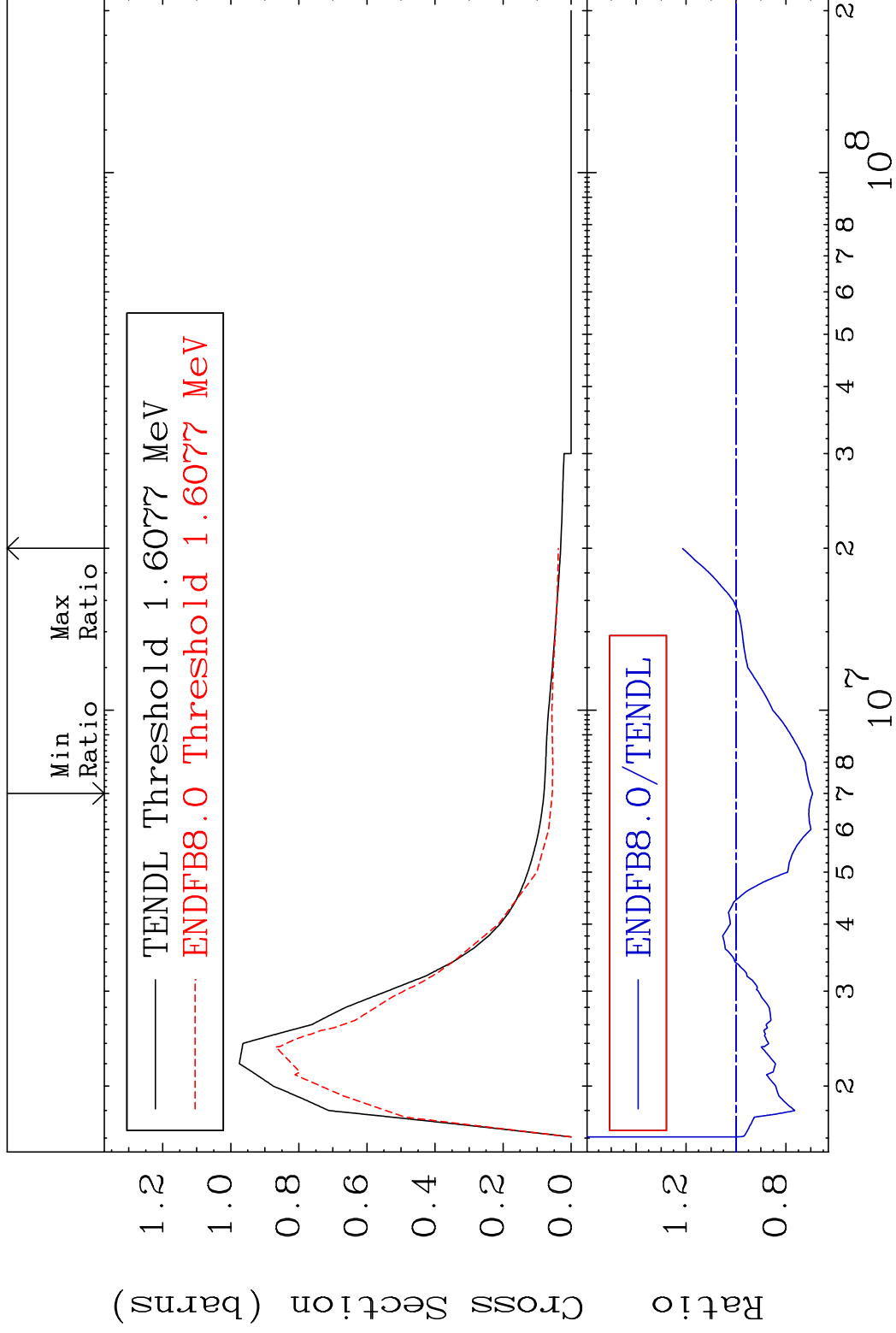
58-Ce-140

MAT 5837

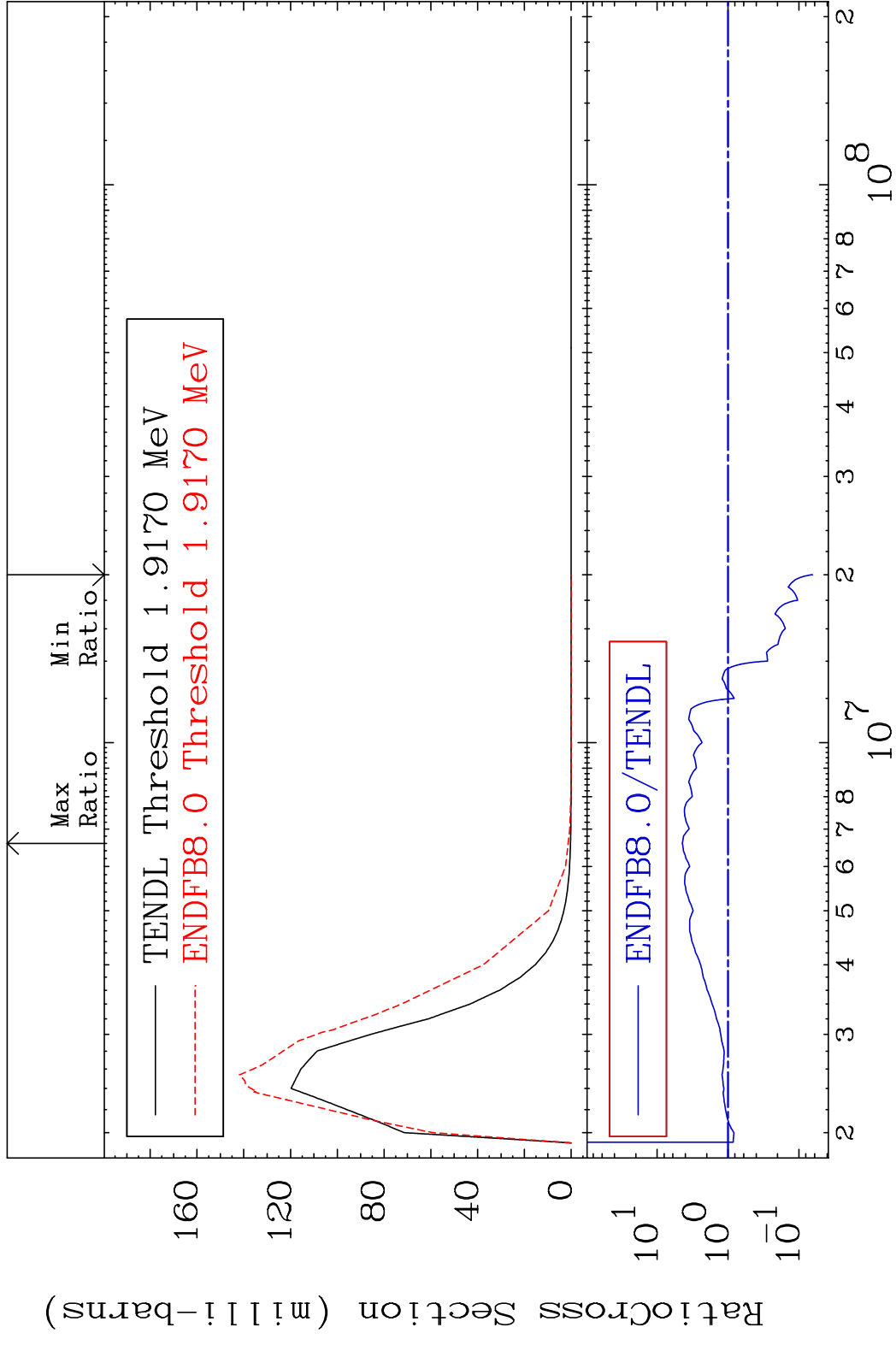
MT= 51 (n, n') Level

58-Ce-140

Cross Section -30.69 To 21.49 %

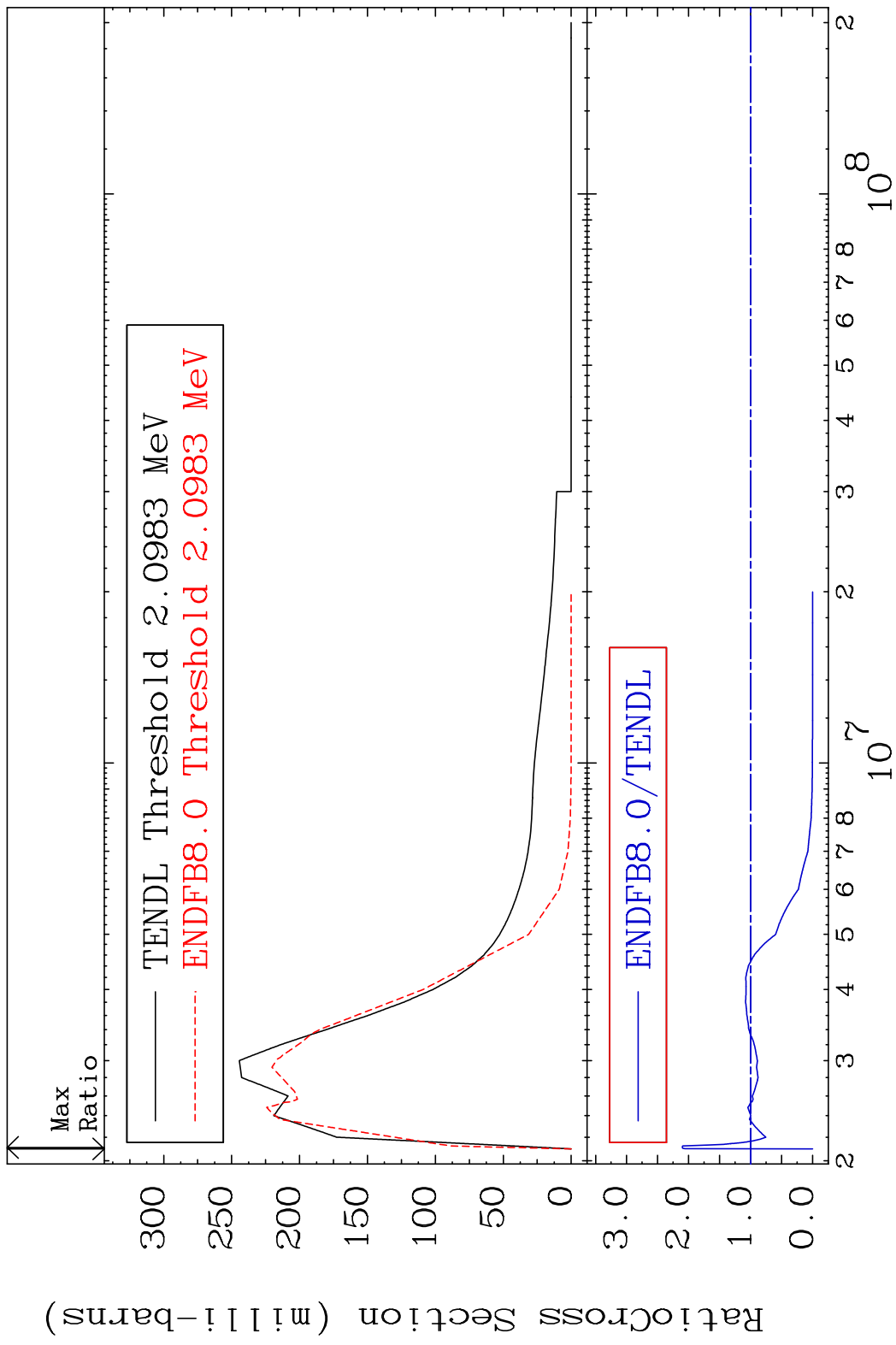


MAT 5837 MT= 52 (n, n') Level 58-Ce-140
 Cross Section -93.58 To 341.4 %

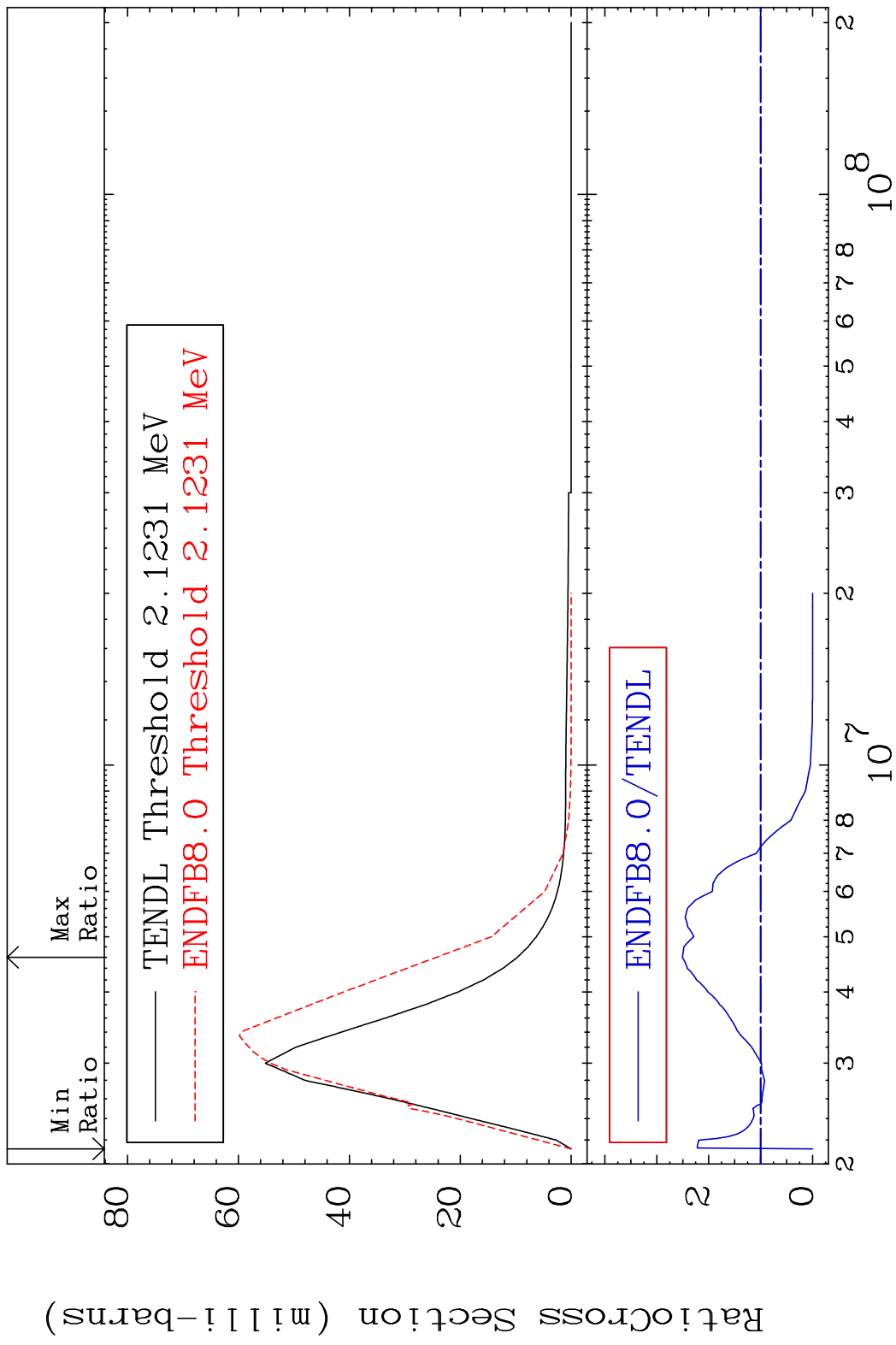


10 Incident Energy (eV) 58-Ce-140

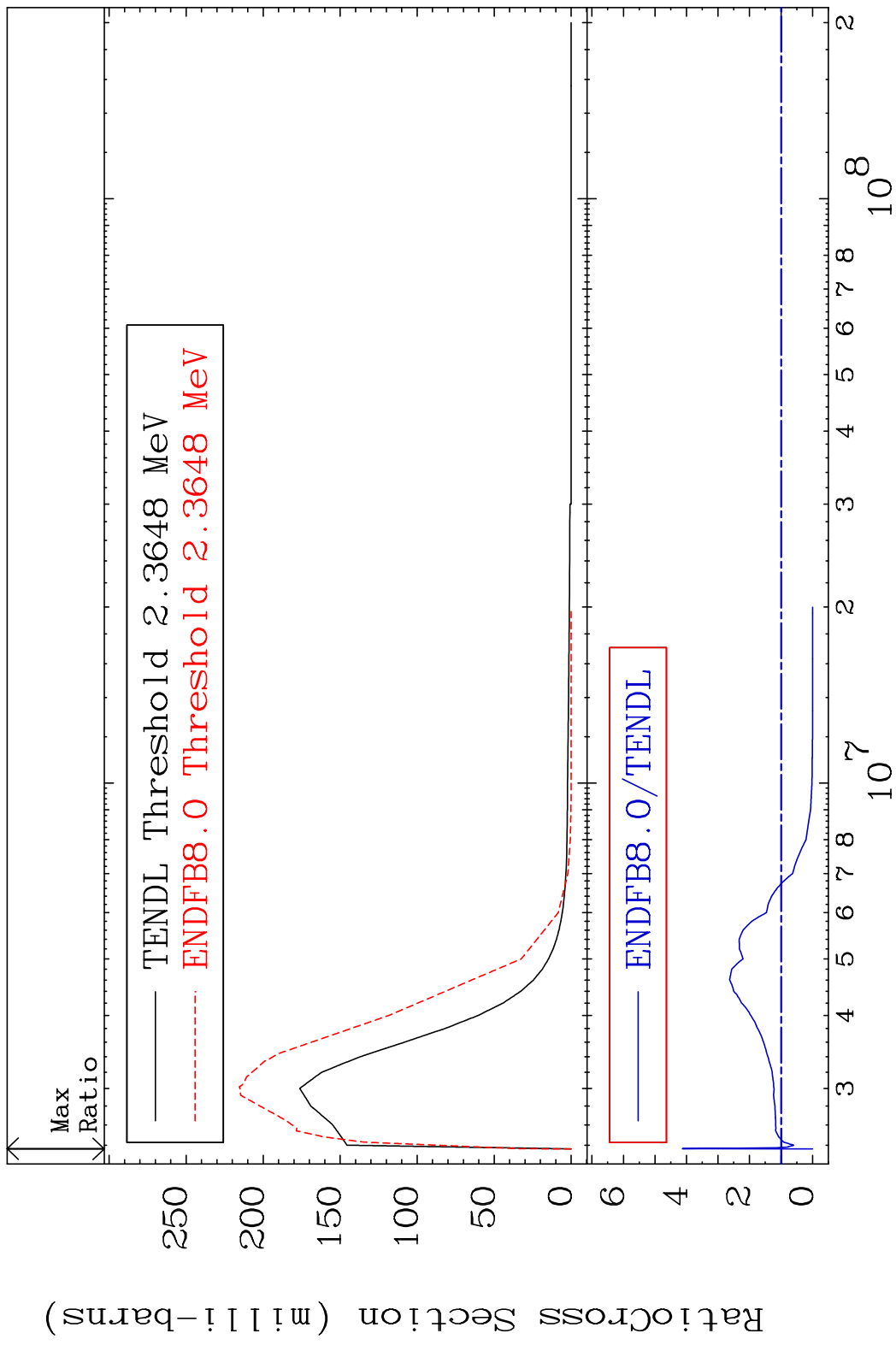
MAT 5837 MT= 53 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 110.1 %



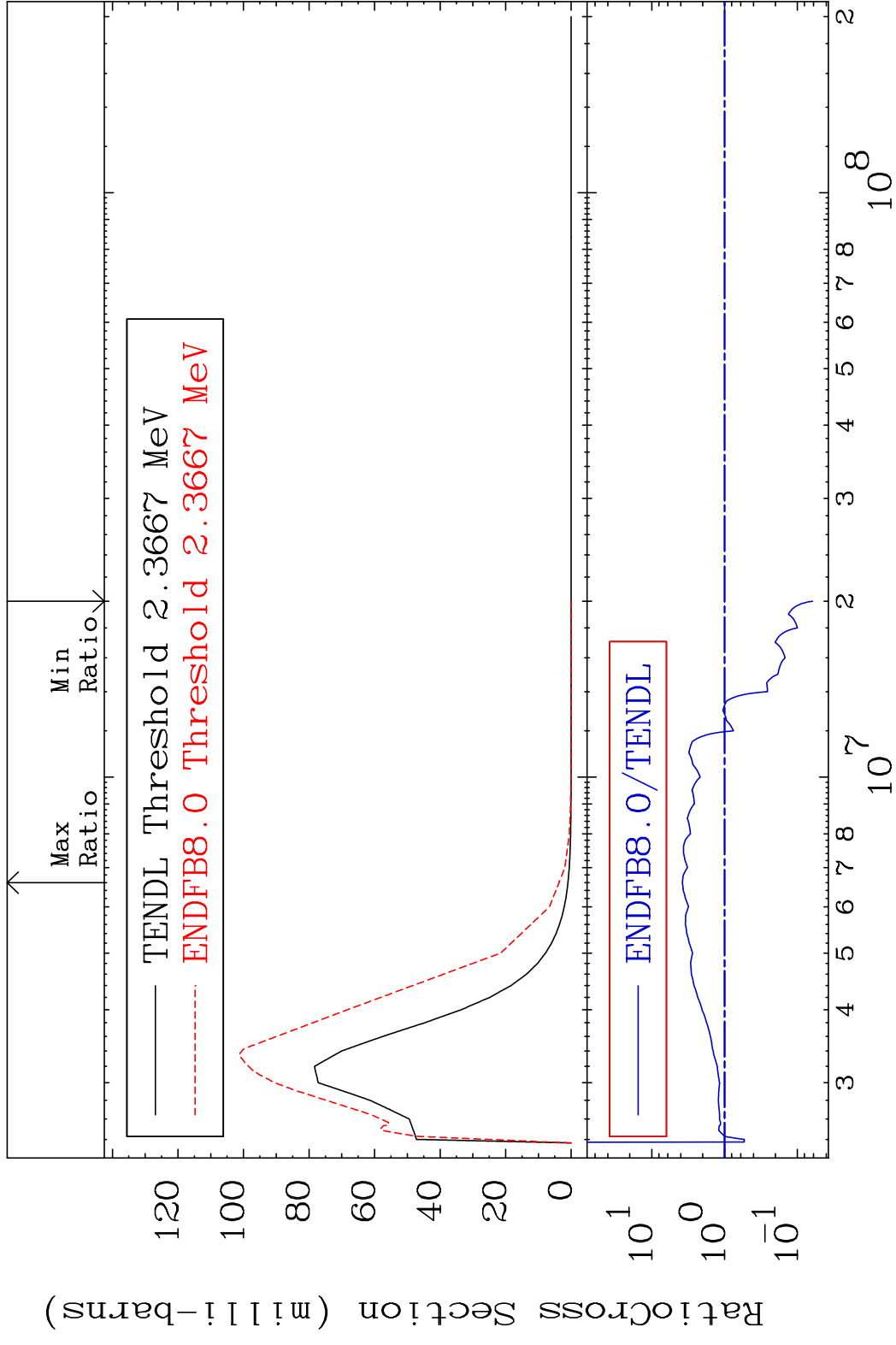
MAT 5837 MT= 54 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 150.7 %



MAT 5837 MT= 55 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 313.1 %



MAT 5837 MT= 56 (n,n') Level 58-Ce-140
 Cross Section -93.81 To 279.9 %

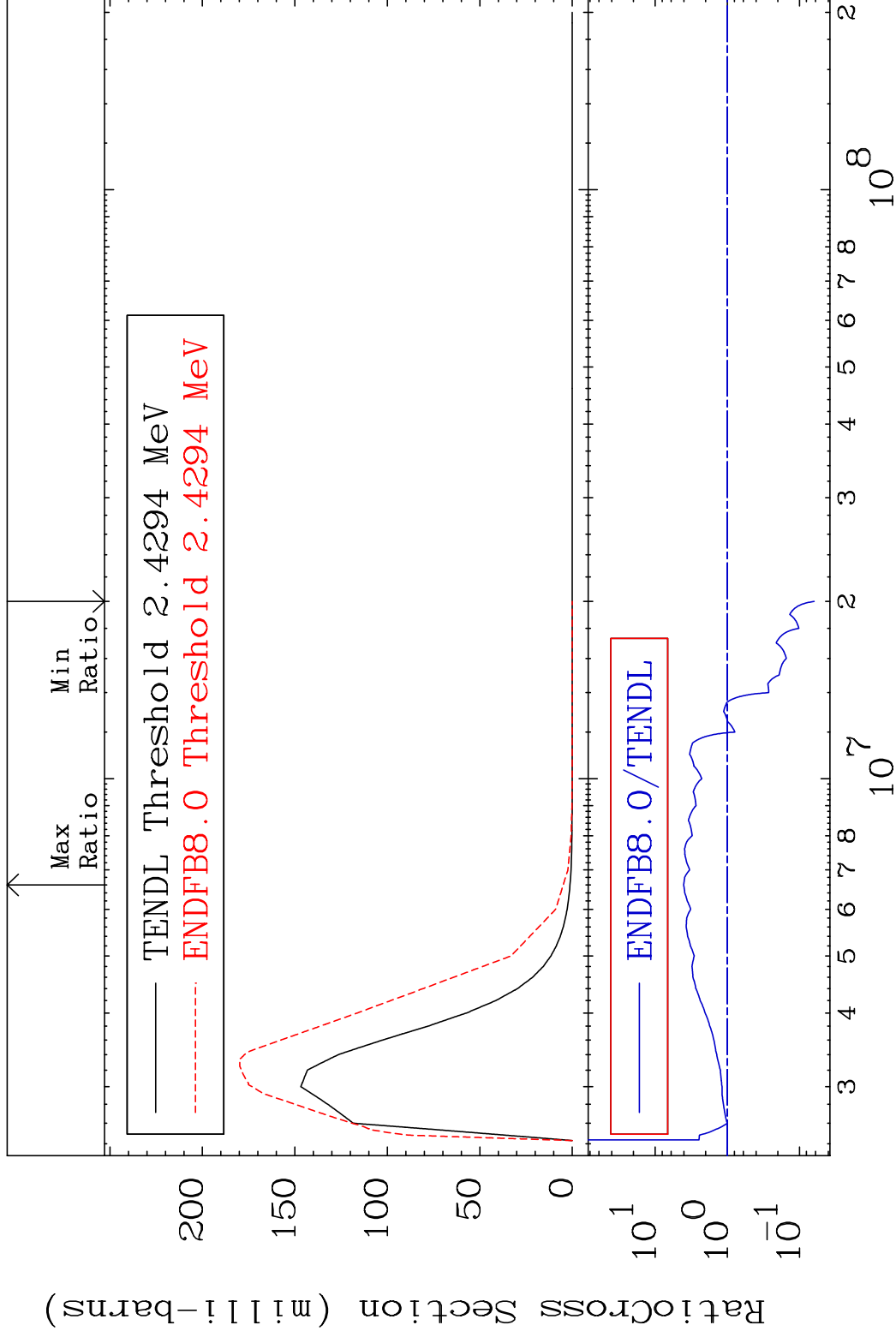


MAT 5837

MT= 57 (n,n') Level

58-Ce-140

Cross Section -93.73 To 302.6 %

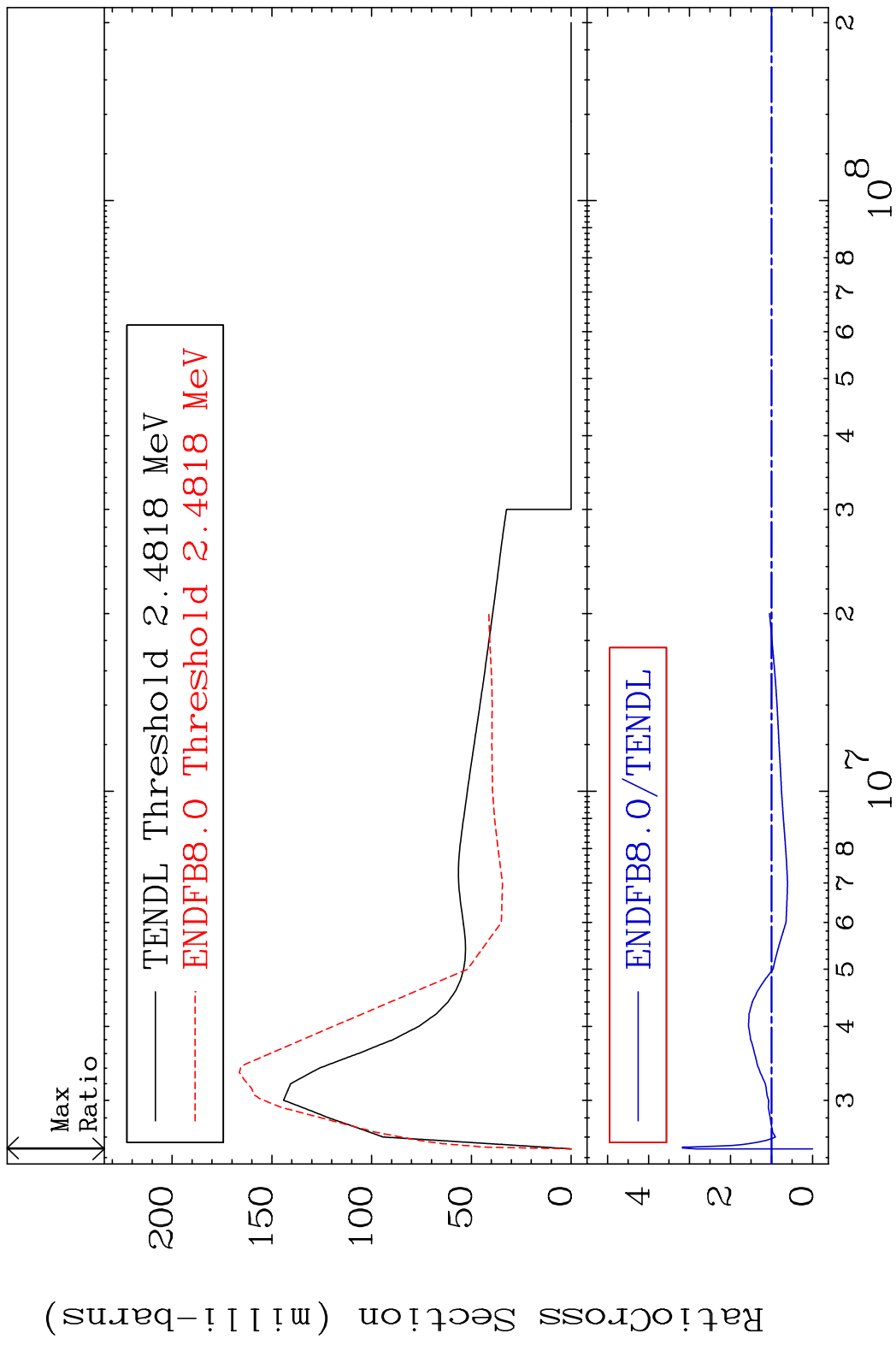


15

Incident Energy (eV)

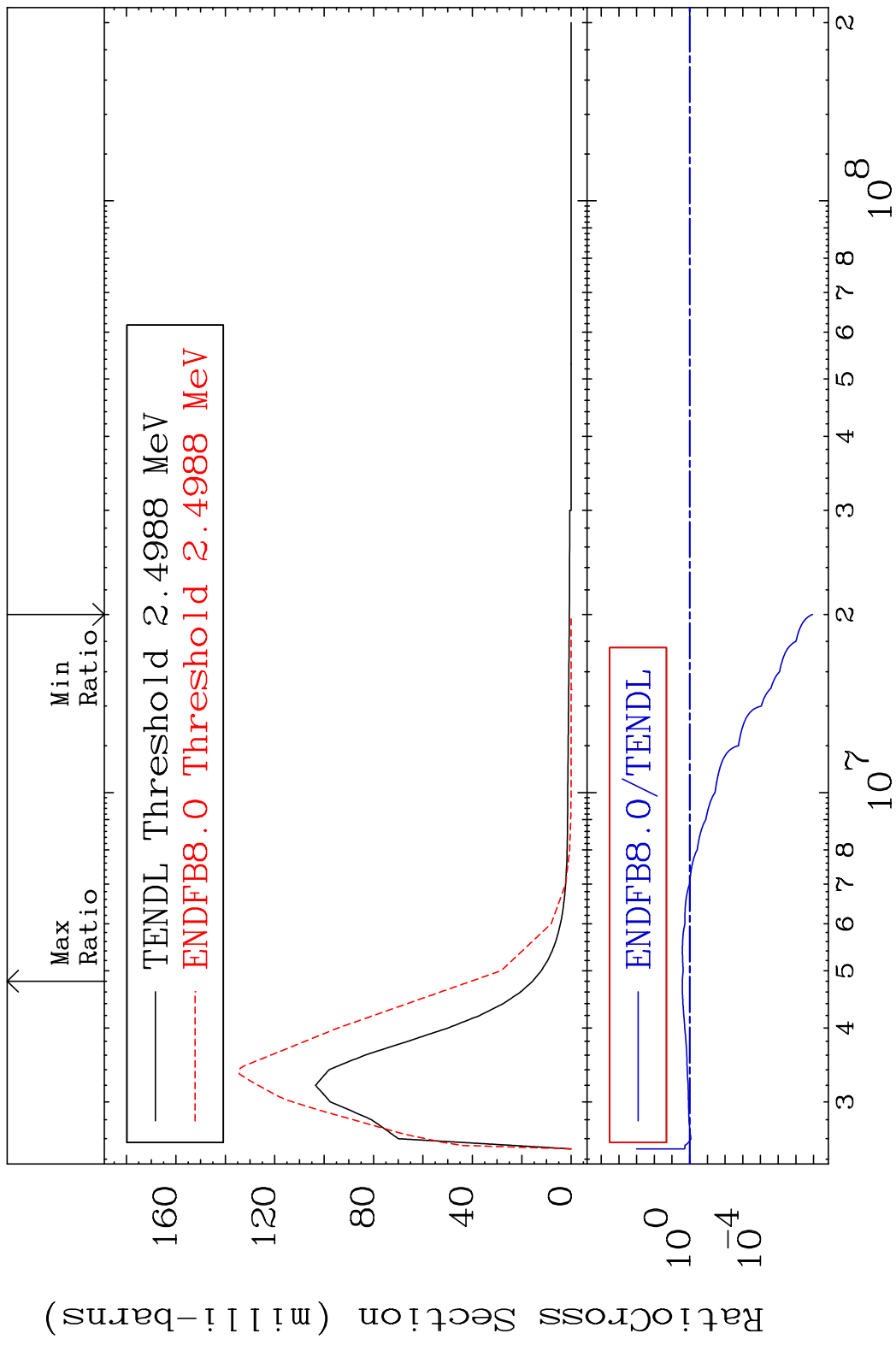
58-Ce-140

MAT 5837 MT= 58 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 217.5 %



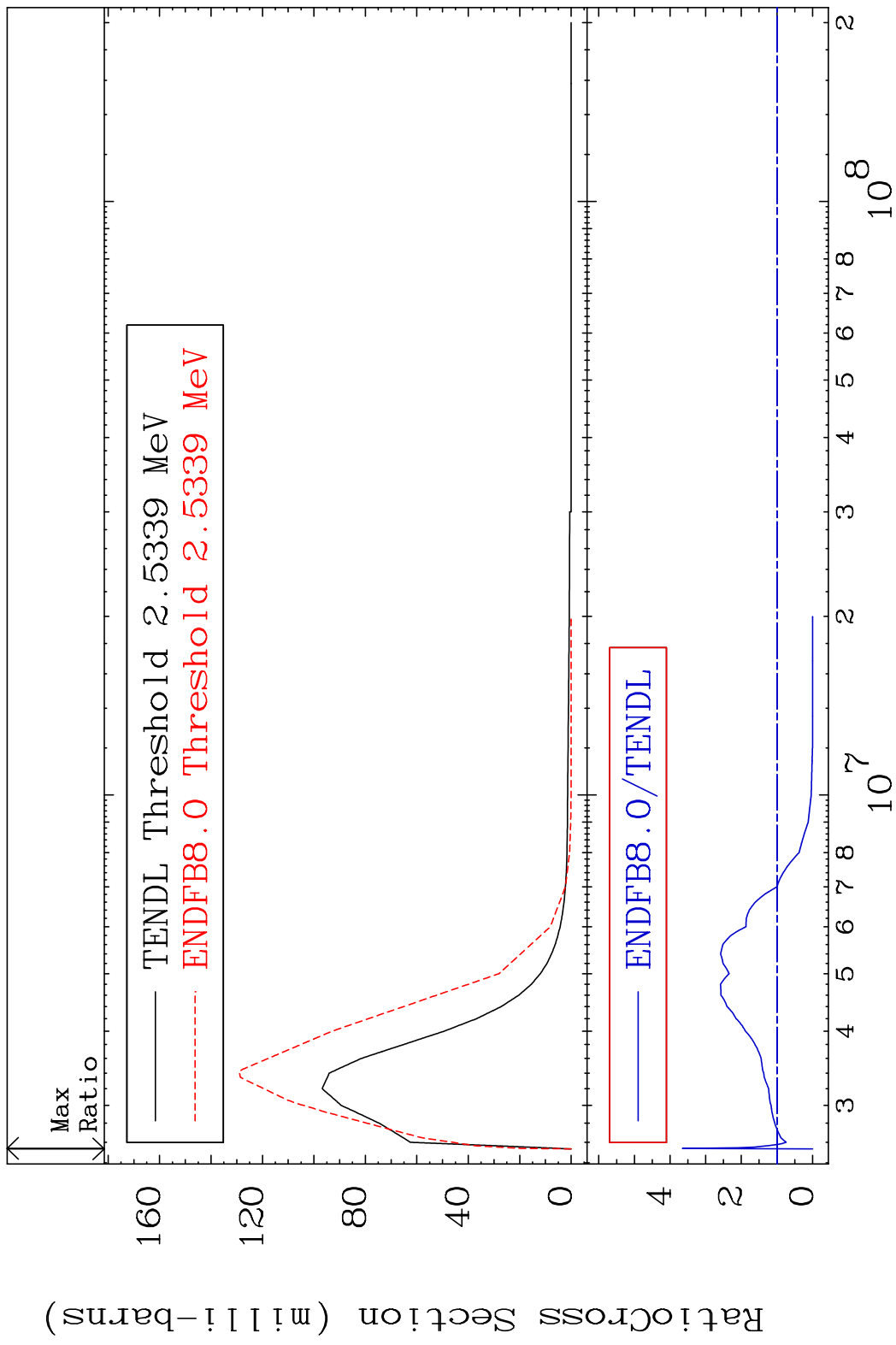
16 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 59 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 159.3 %



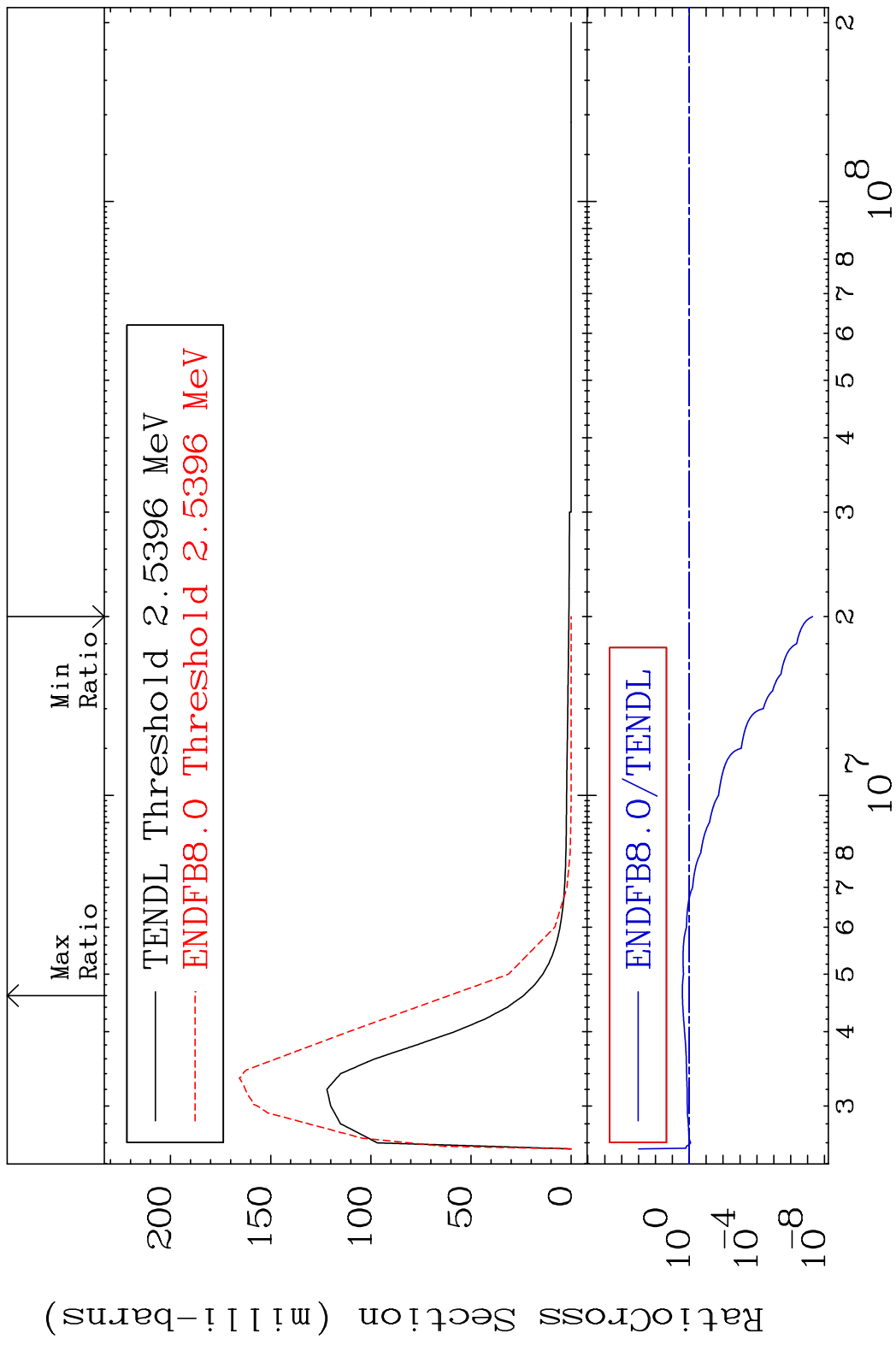
17 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 60 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 265.4 %



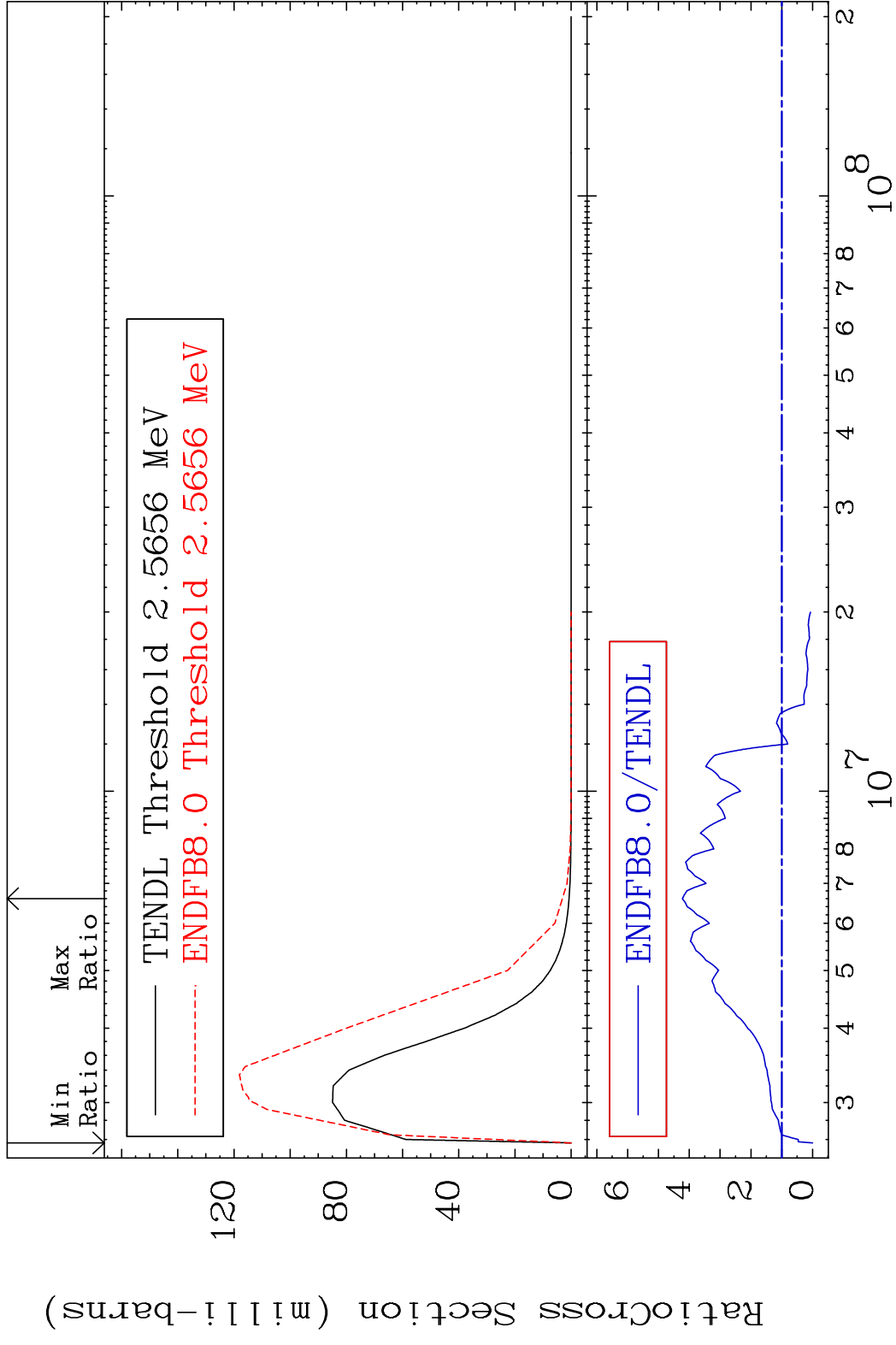
18 58-Ce-140

MAT 5837 MT= 61 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 156.7 %



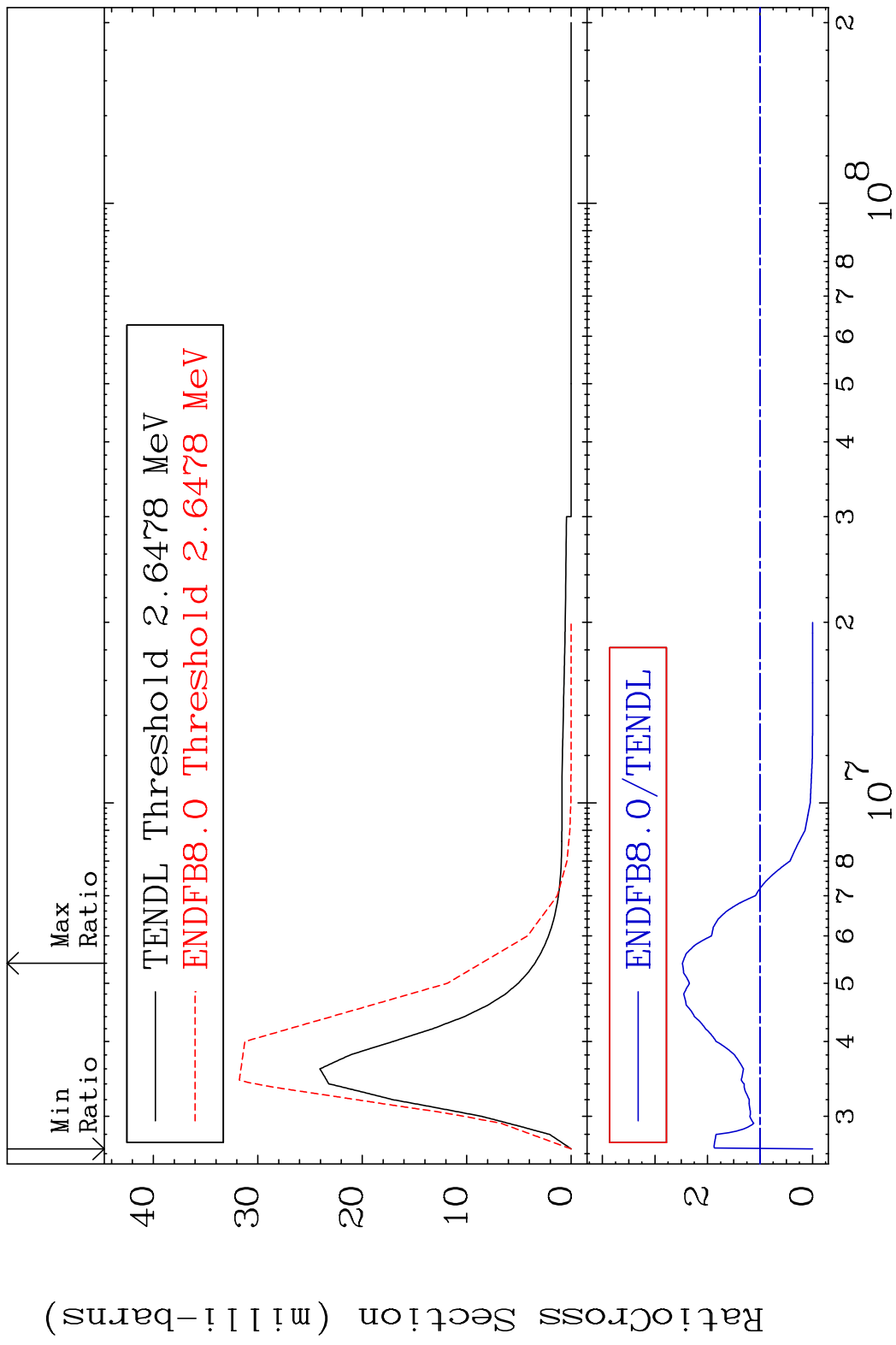
19 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 62 (n, n') Level 58-Ce-140
 Cross Section -100.0 To 322.5 %

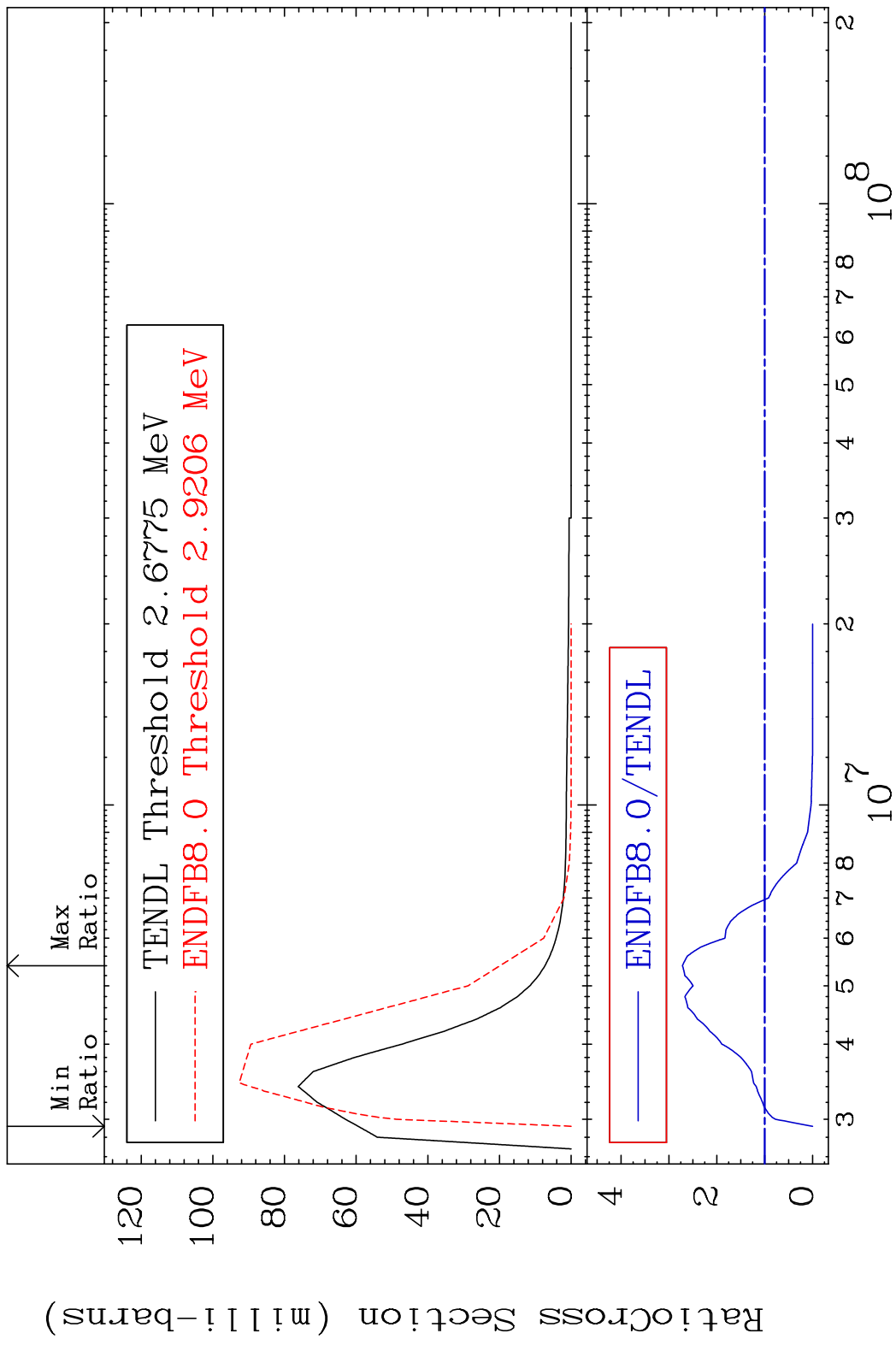


20 Incident Energy (eV) 58-Ce-140

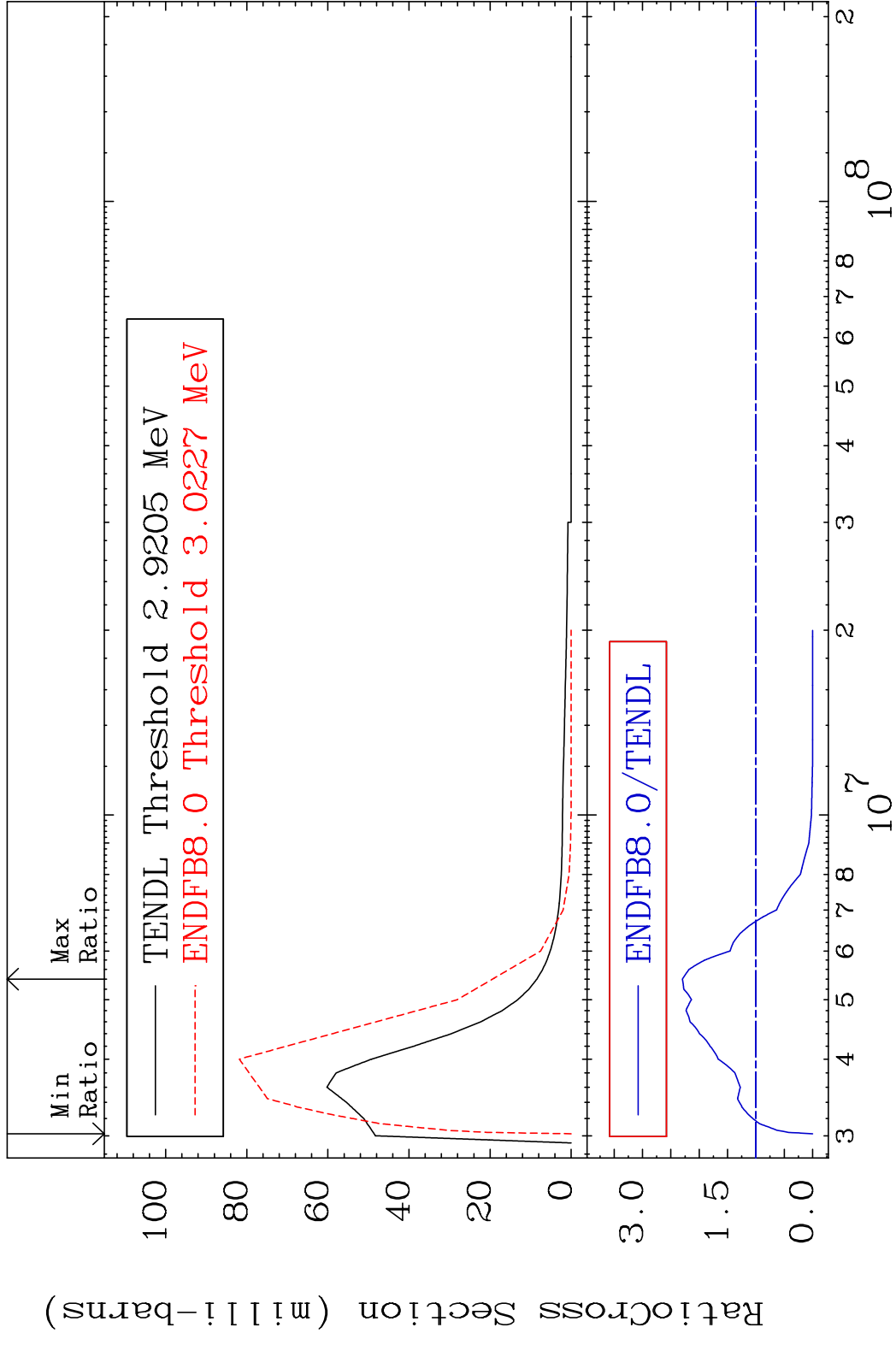
MAT 5837 MT= 63 (n, n') Level 58-Ce-140
 Cross Section -100.0 To 147.8 %



MAT 5837 MT= 64 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 172.0 %



MAT 5837 MT= 65 (n,n') Level 58-Ce-140
 Cross Section -100.0 To 129.7 %

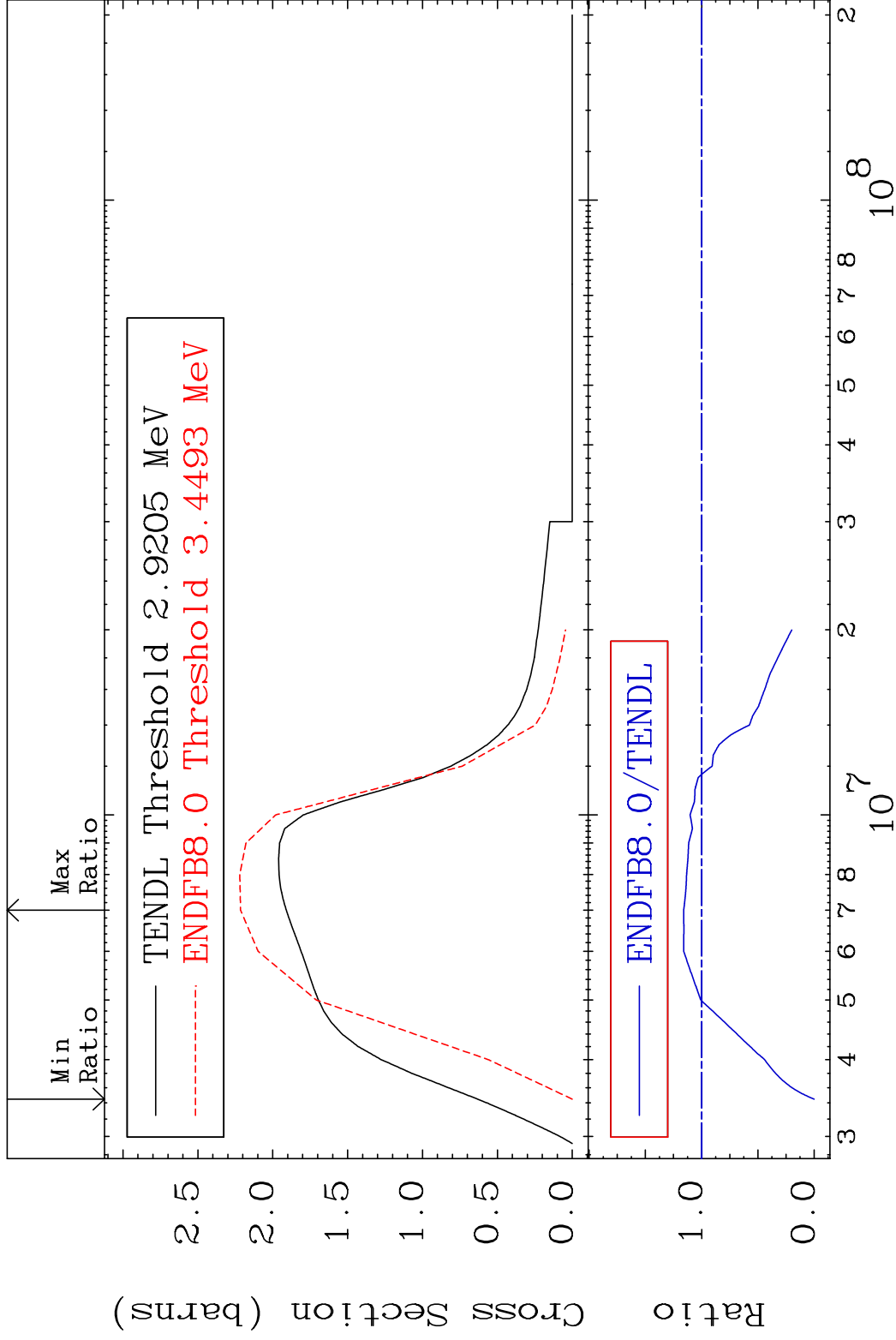


MAT 5837

(n,n') Continuum

58-Ce-140

Cross Section -100.0 To 15.99 %



24

Incident Energy (eV)

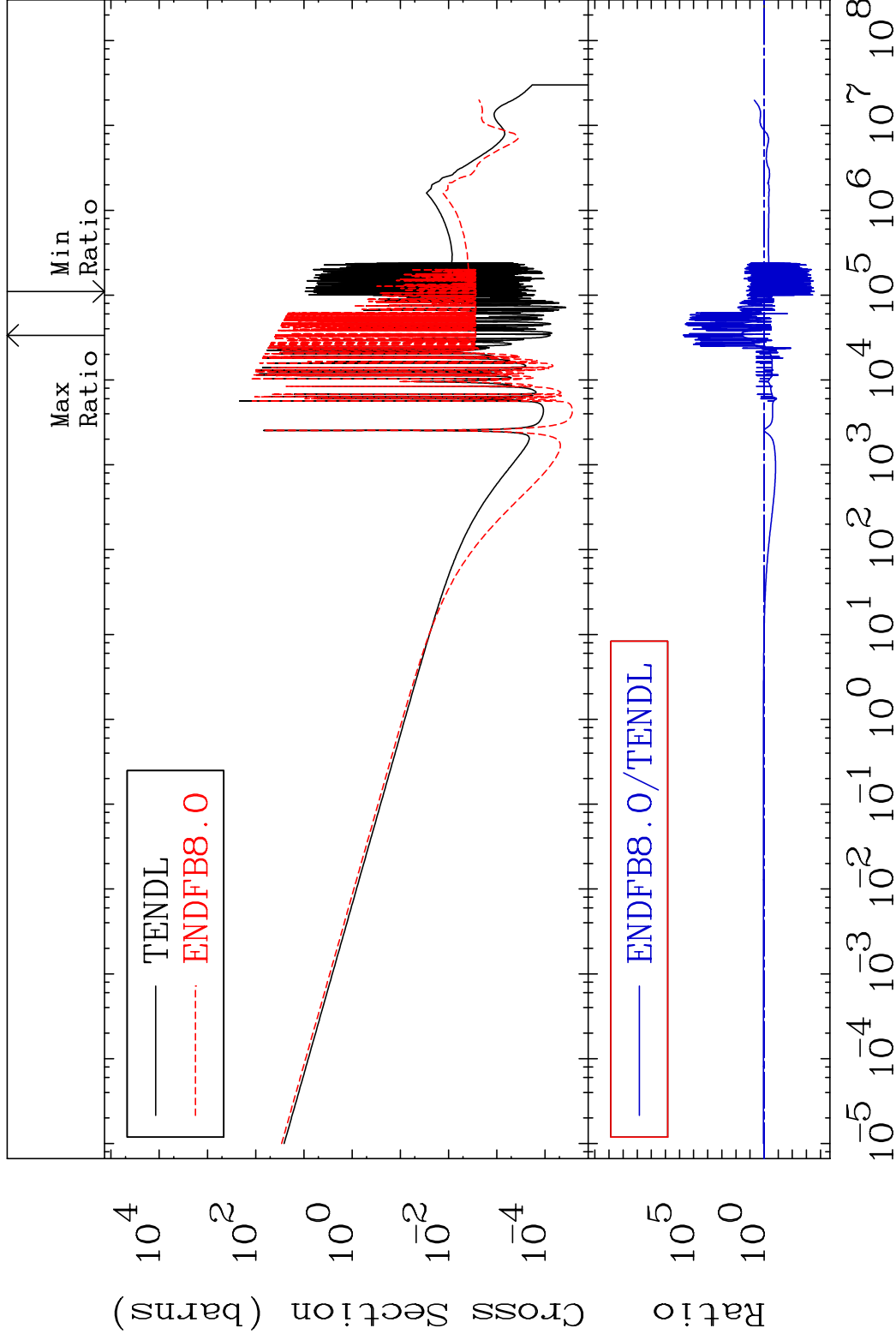
58-Ce-140

MAT 5837

(n, γ)

58-Ce-140

Cross Section -99.97 To 9999. %



25

Incident Energy (eV)

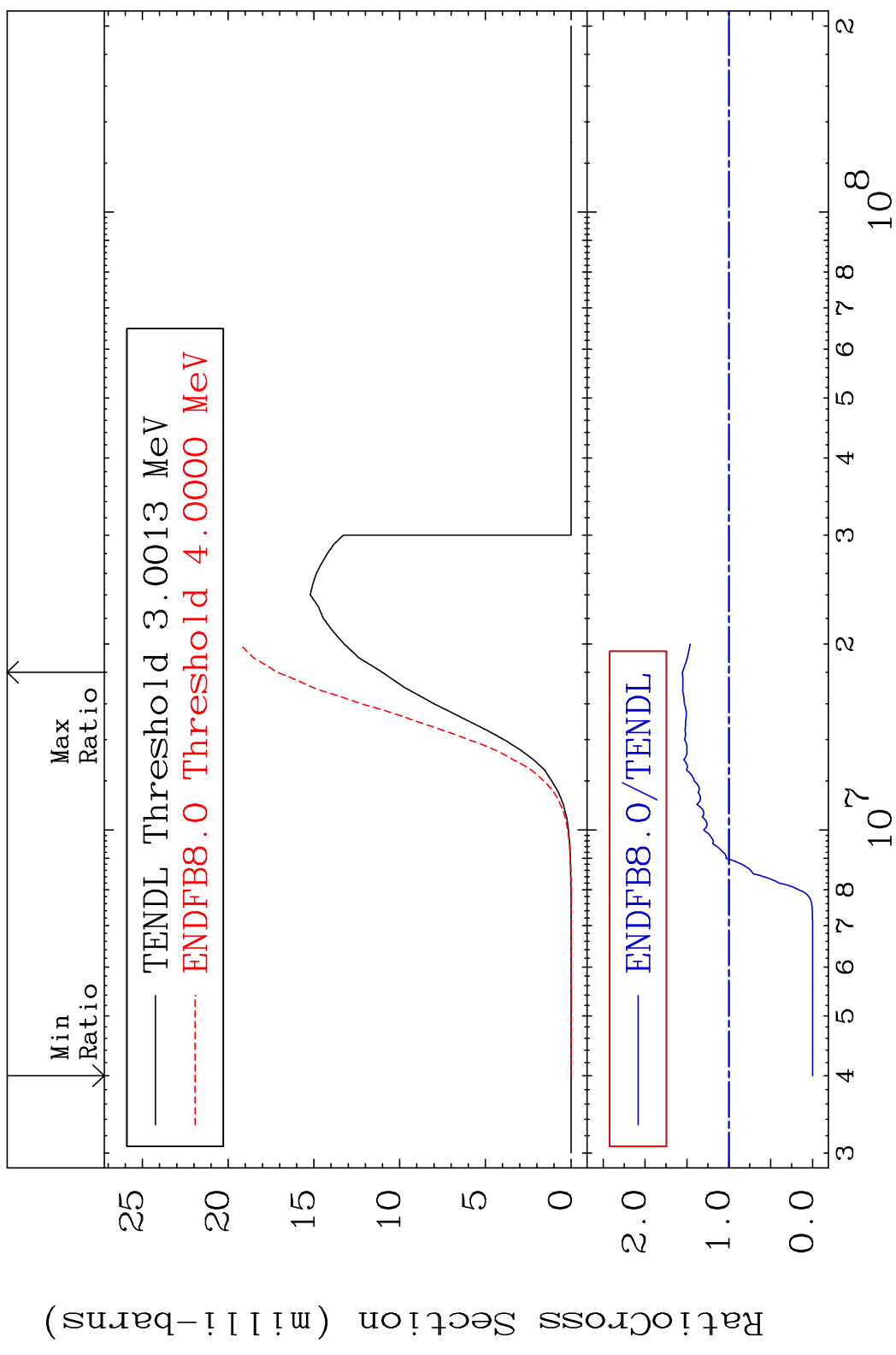
58-Ce-140

MAT 5837

(n,p)

58-Ce-140

Cross Section -100.0 To 55.50 %

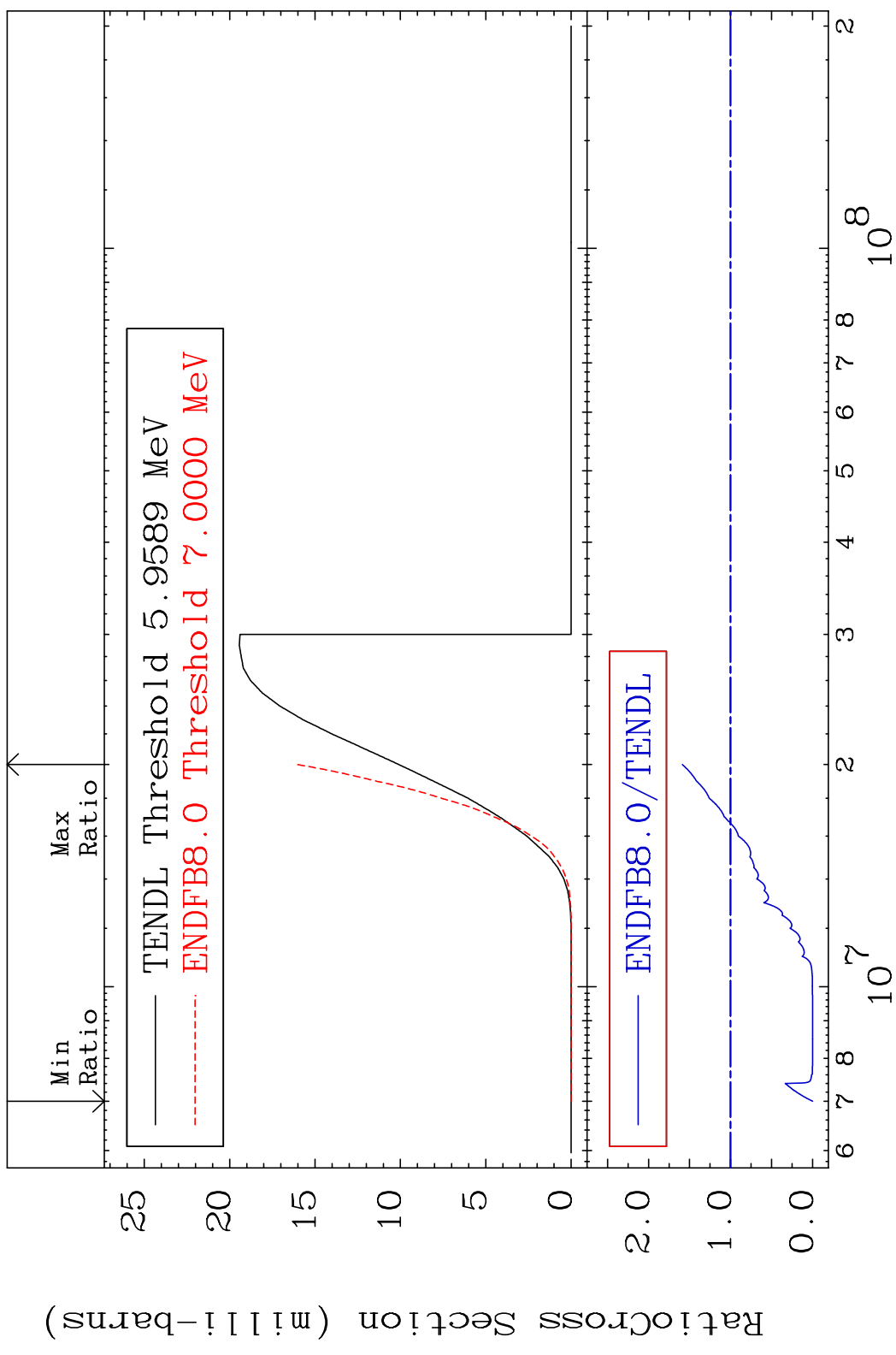


MAT 5837

(n,d)

58-Ce-140

Cross Section -100.0 To 58.78 %

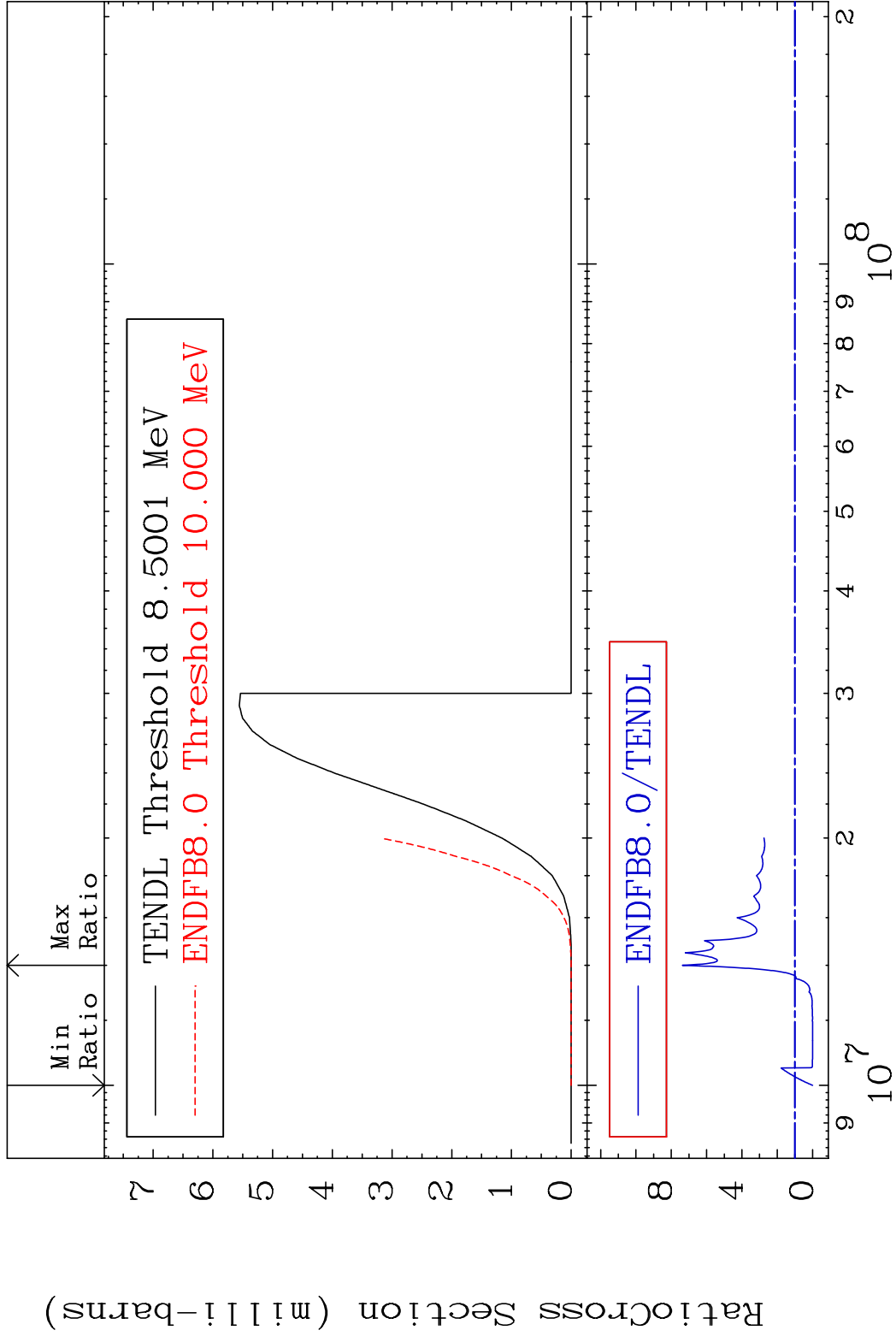


MAT 5837

(n, t)

58-Ce-140

Cross Section -100.0 To 637.3 %



28

Incident Energy (eV)

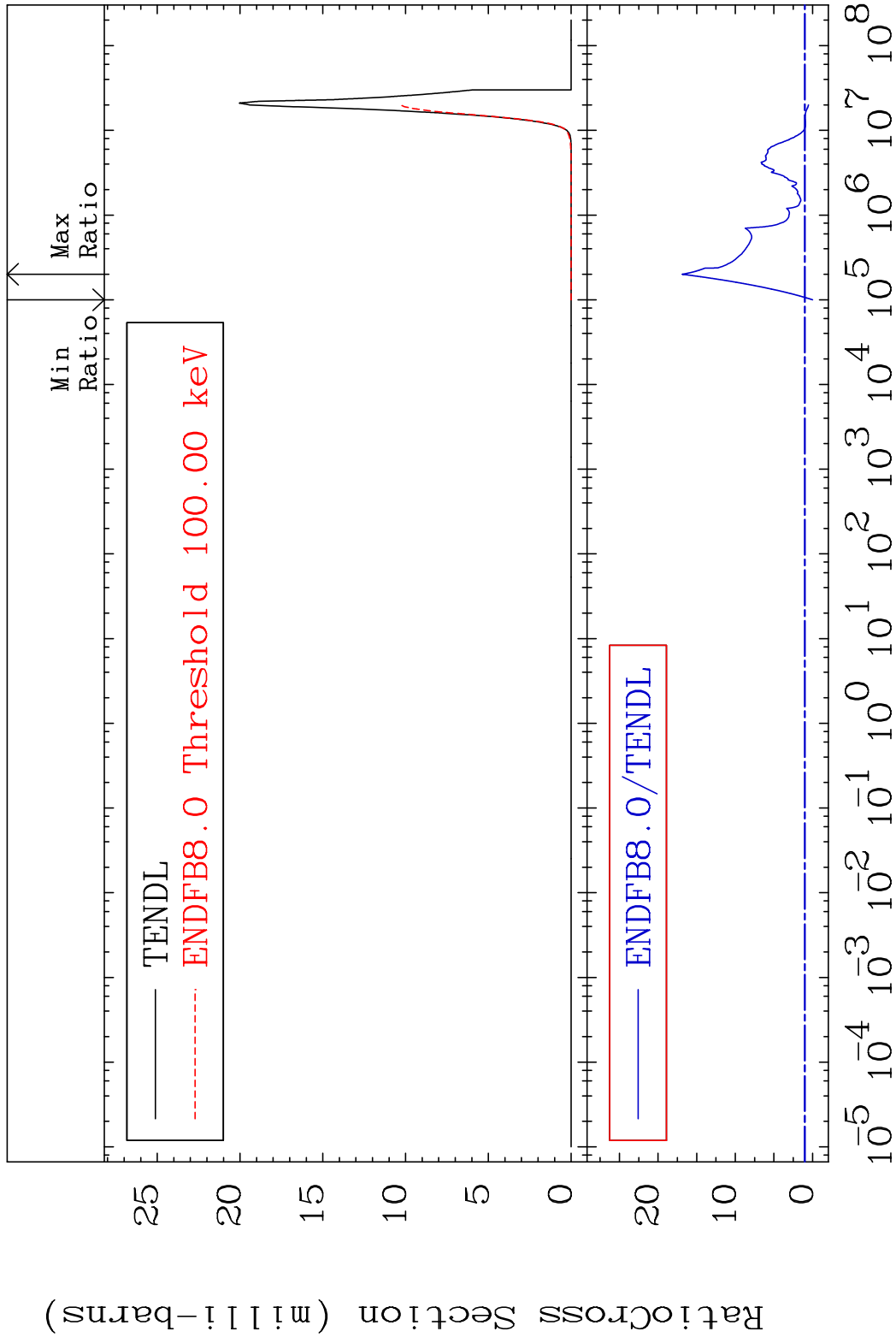
58-Ce-140

MAT 5837

(n, α)

58-Ce-140

Cross Section -100.0 To 1585. %



29

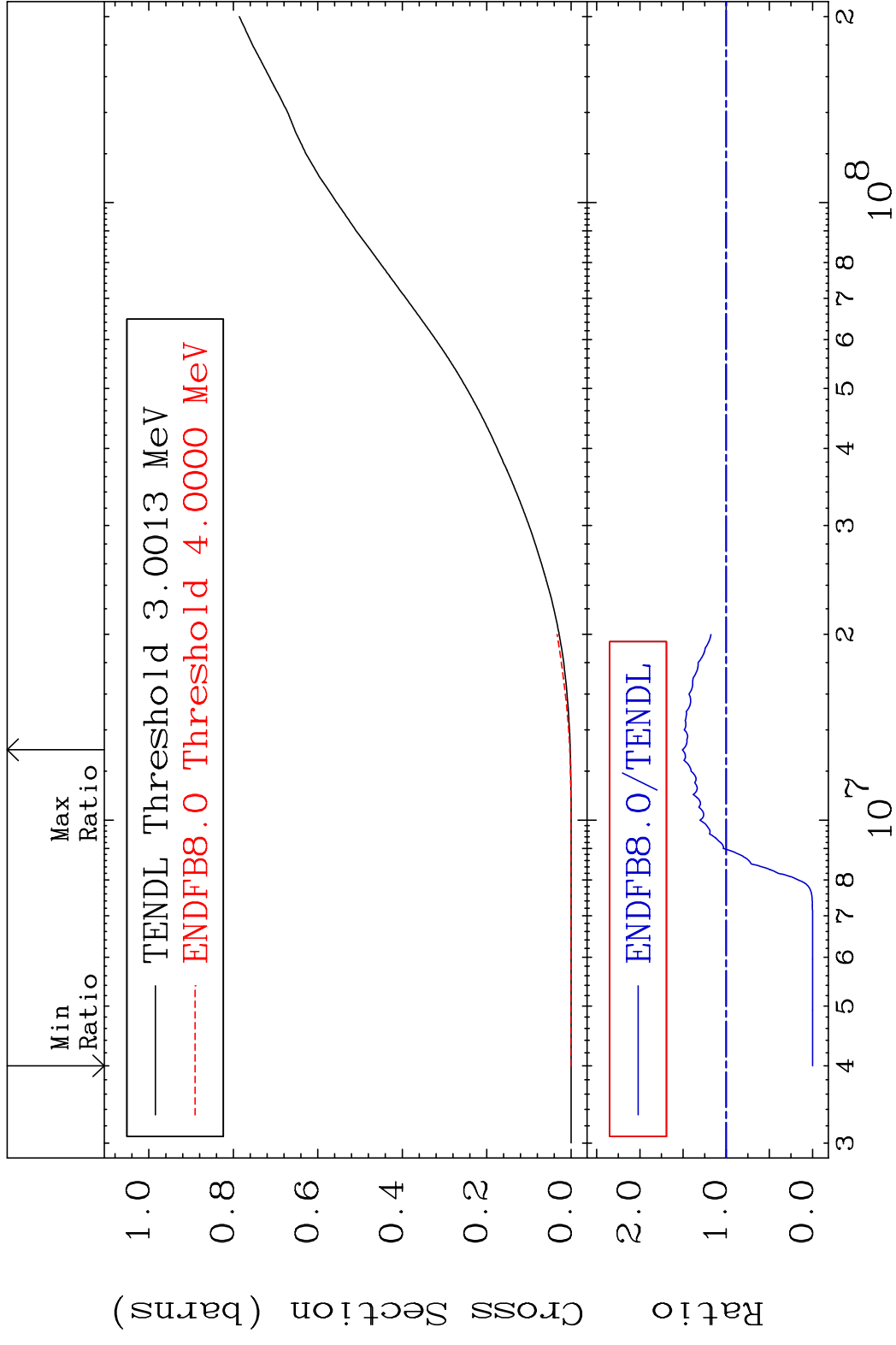
Incident Energy (eV)

58-Ce-140

MAT 5837

Hydrogen Production
Cross Section -100.0 To 50.79 %

58-Ce-140



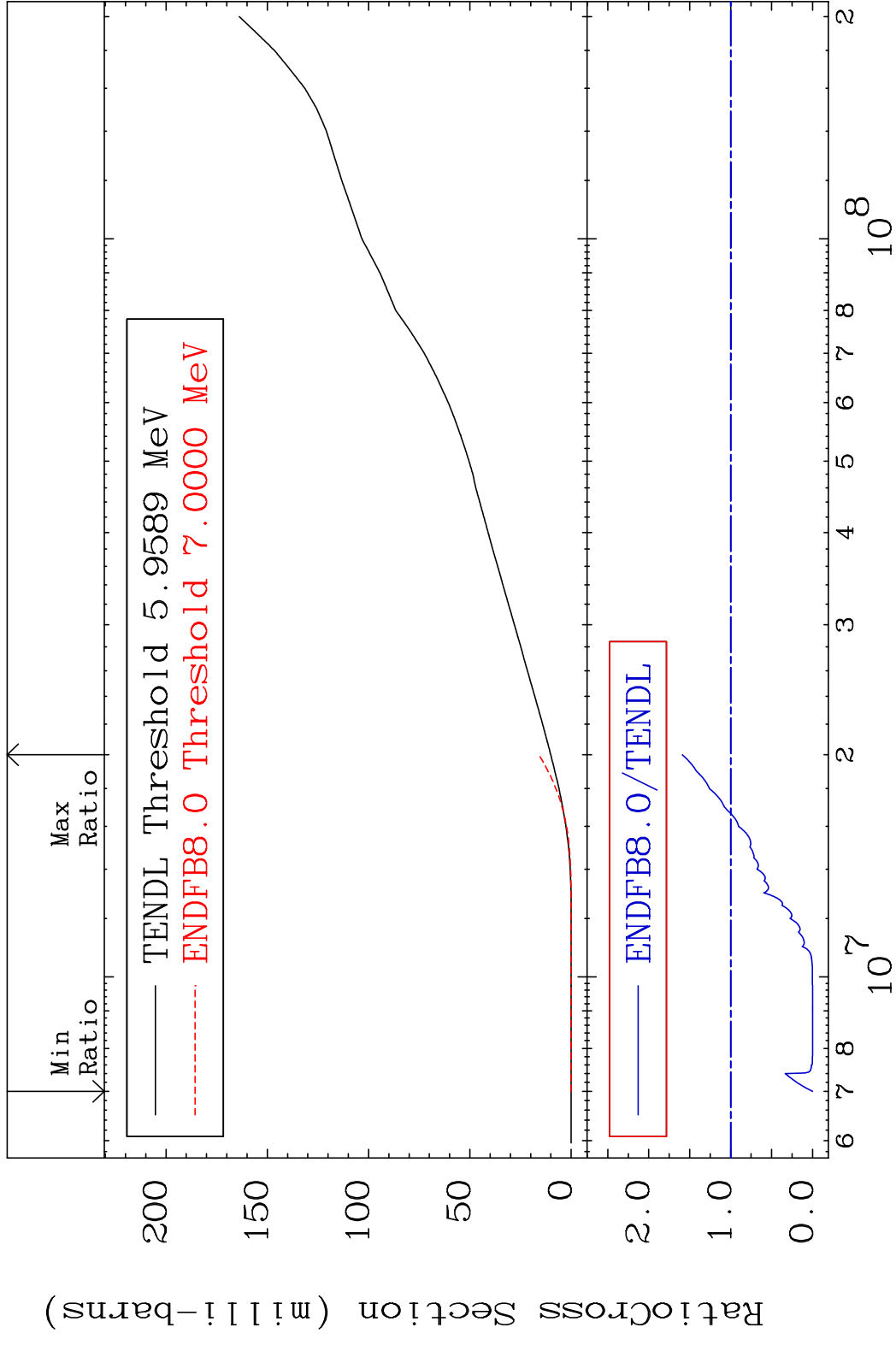
30

Incident Energy (eV)

58-Ce-140

MAT 5837

Deuterium Production 58-Ce-140
Cross Section -100.0 To 58.94 %



31

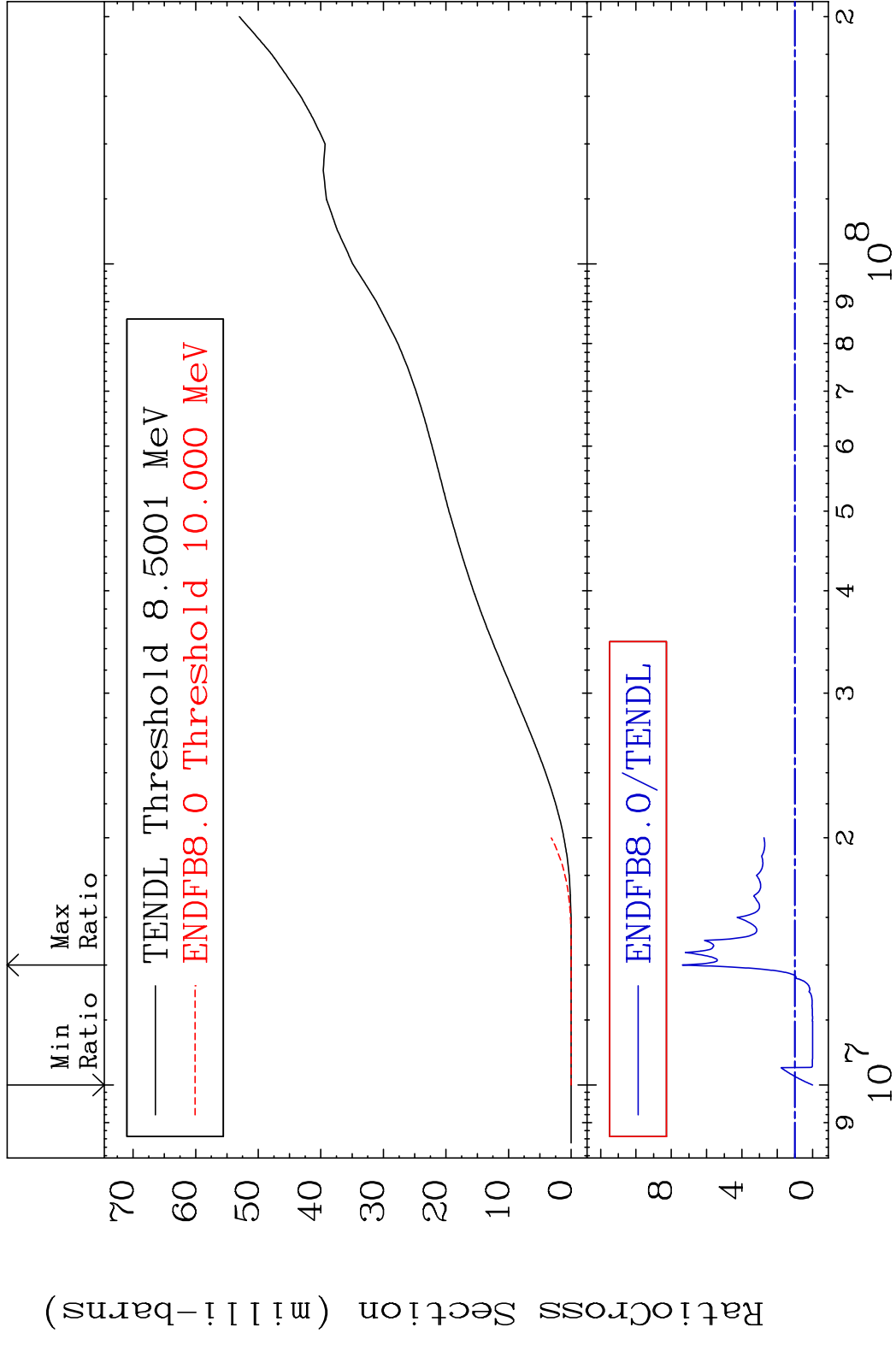
Incident Energy (eV) 58-Ce-140

MAT 5837

Tritium Production

58-Ce-140

Cross Section -100.0 To 637.3 %

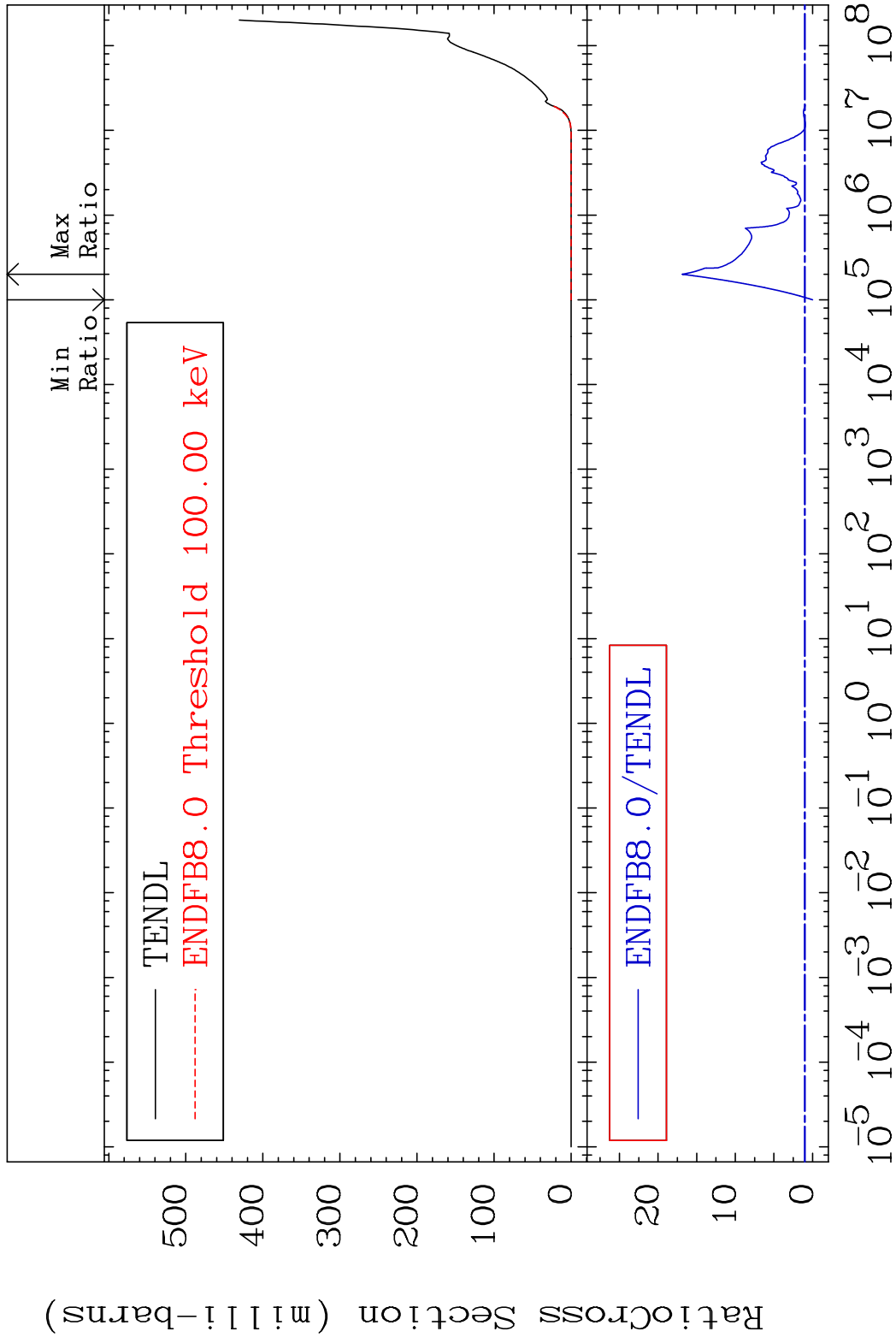


MAT 5837

He-4 Production

58-Ce-140

Cross Section -100.0 To 1585. %

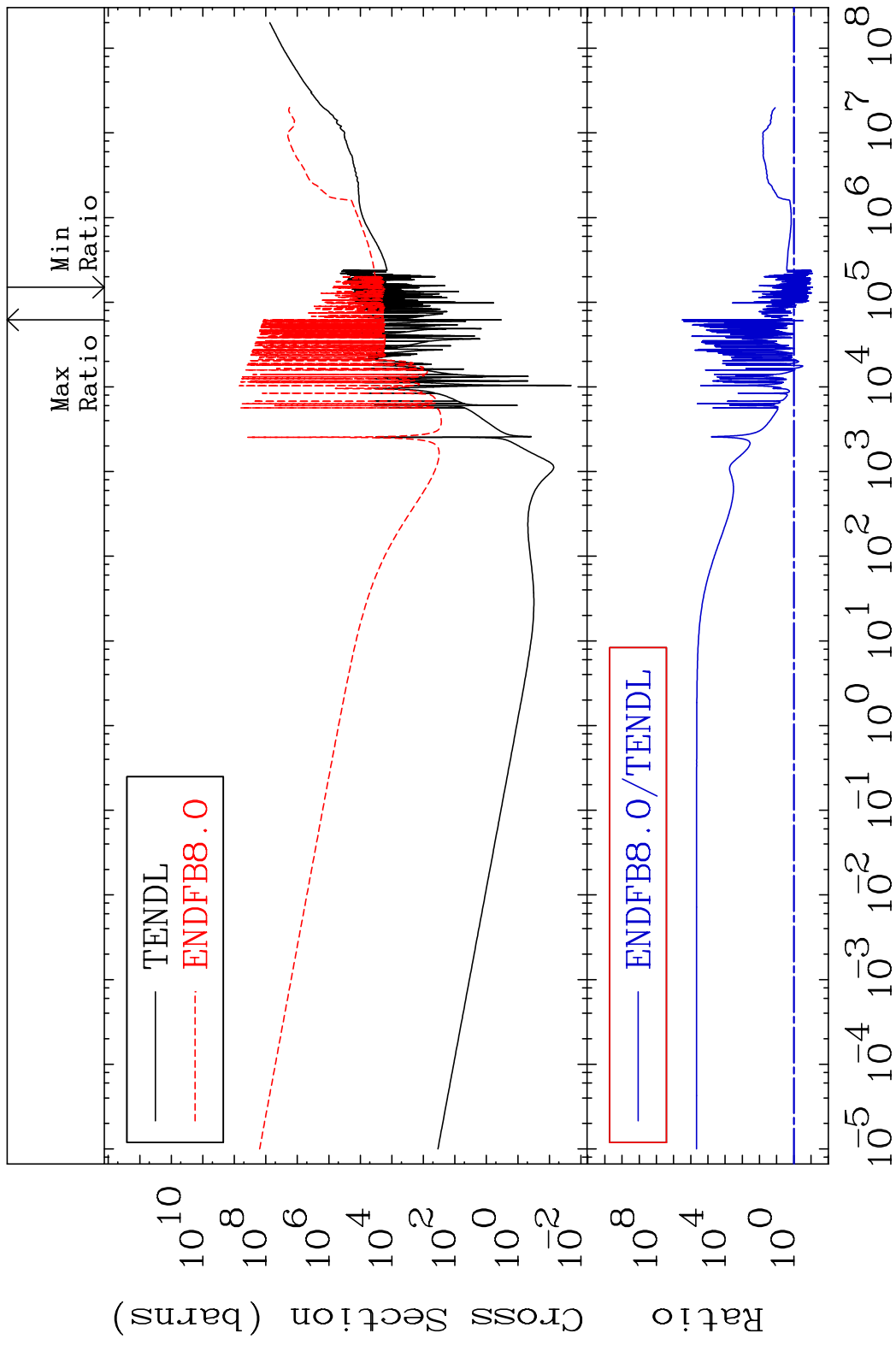


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Incident Energy (eV)

58-Ce-140

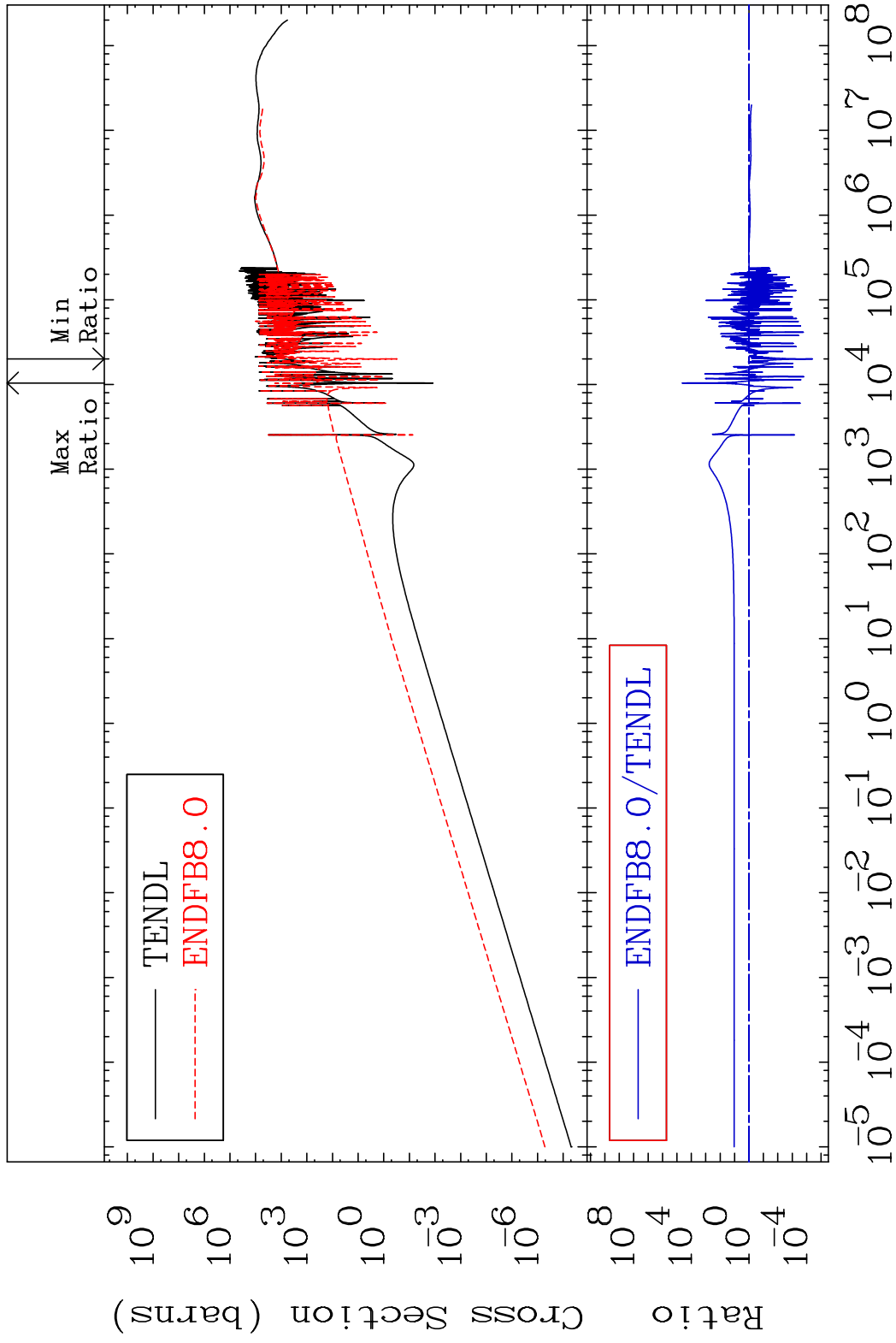
MAT 5837 Kerma total (eV-barns) 58-Ce-140
 Cross Section -91.86 To 9999. %



MAT 5837

Kerma elastic
Cross Section

58-Ce-140
-100.0 To 9999. %

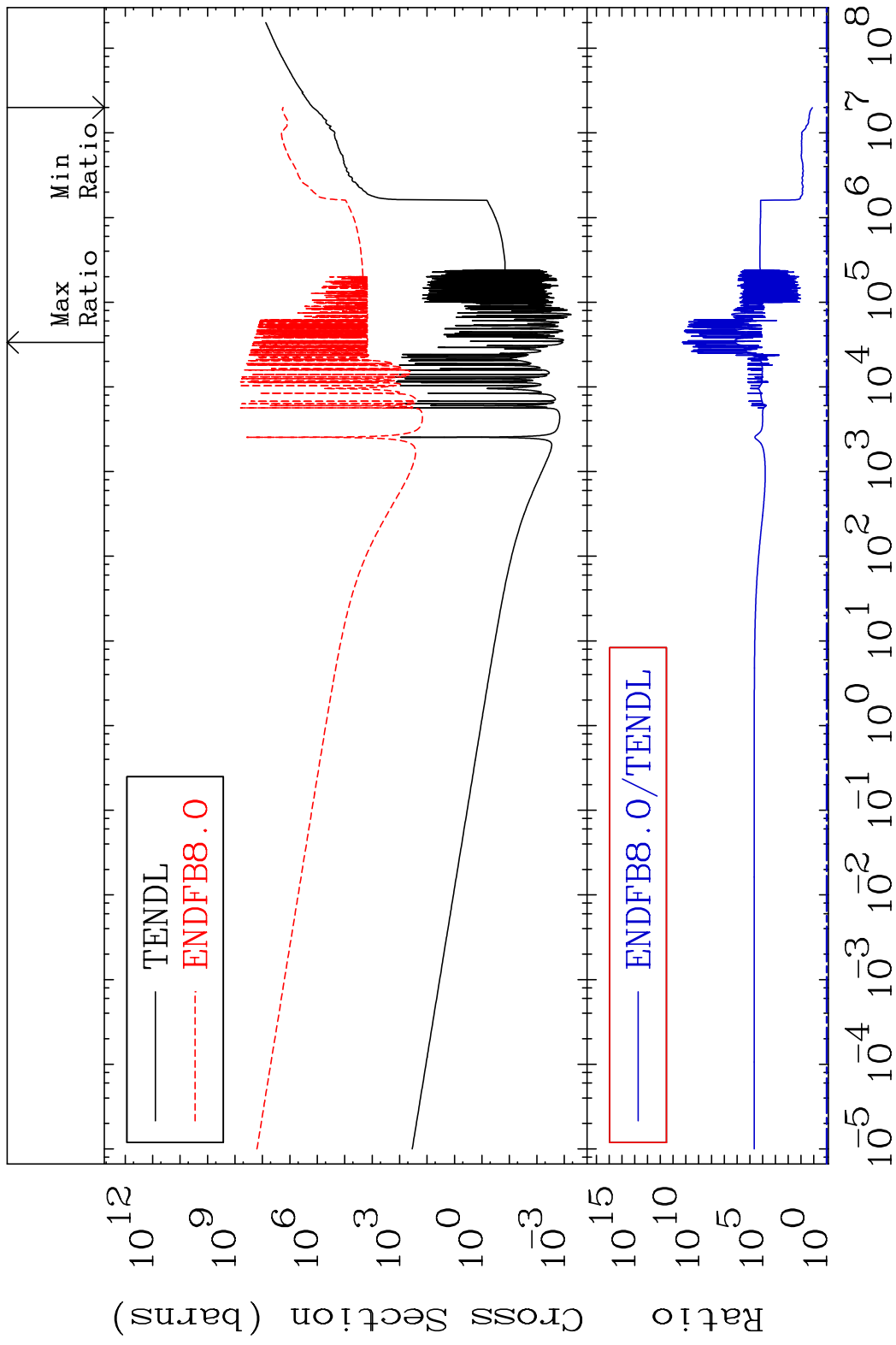


35

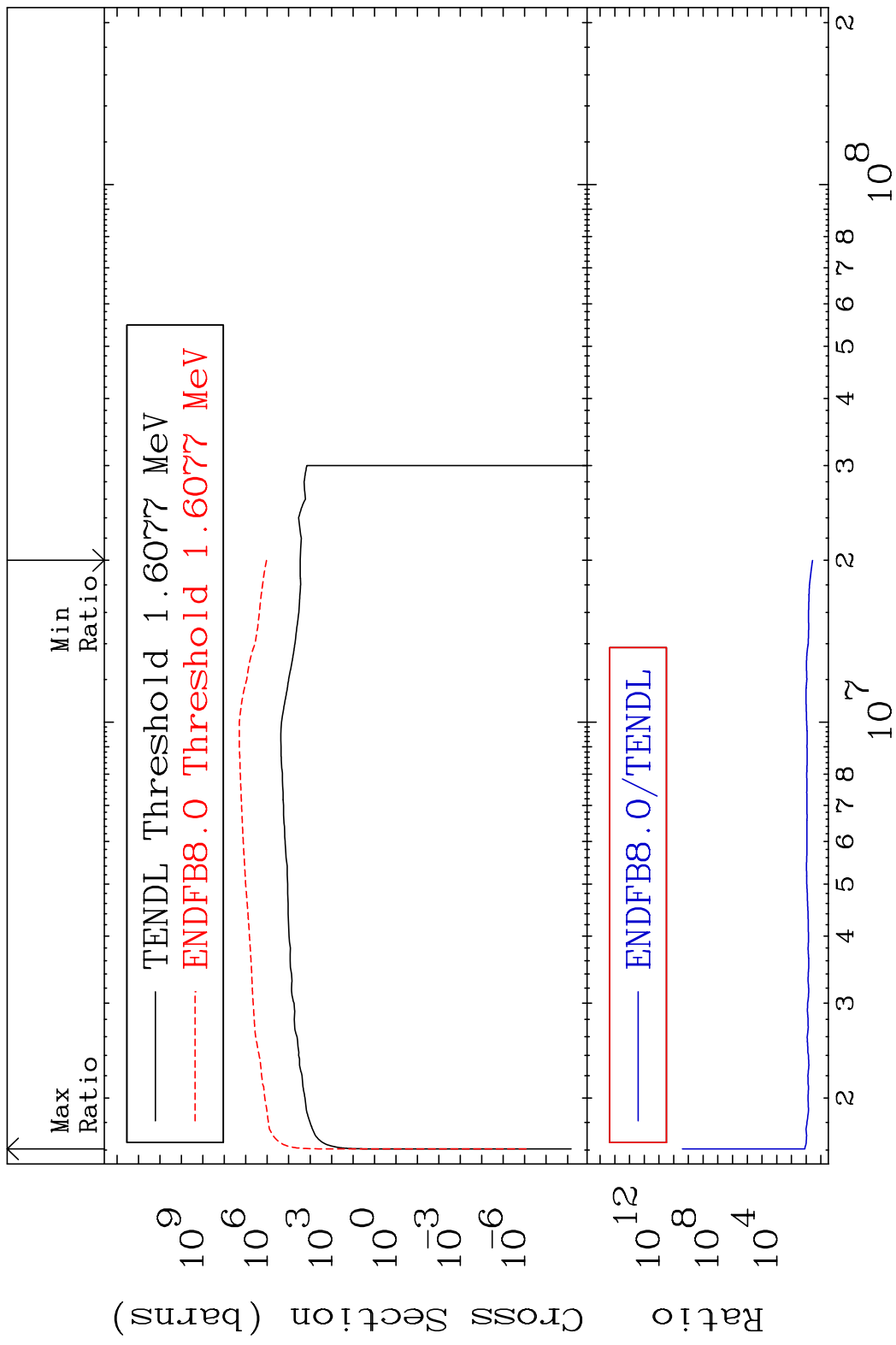
Incident Energy (eV)

58-Ce-140

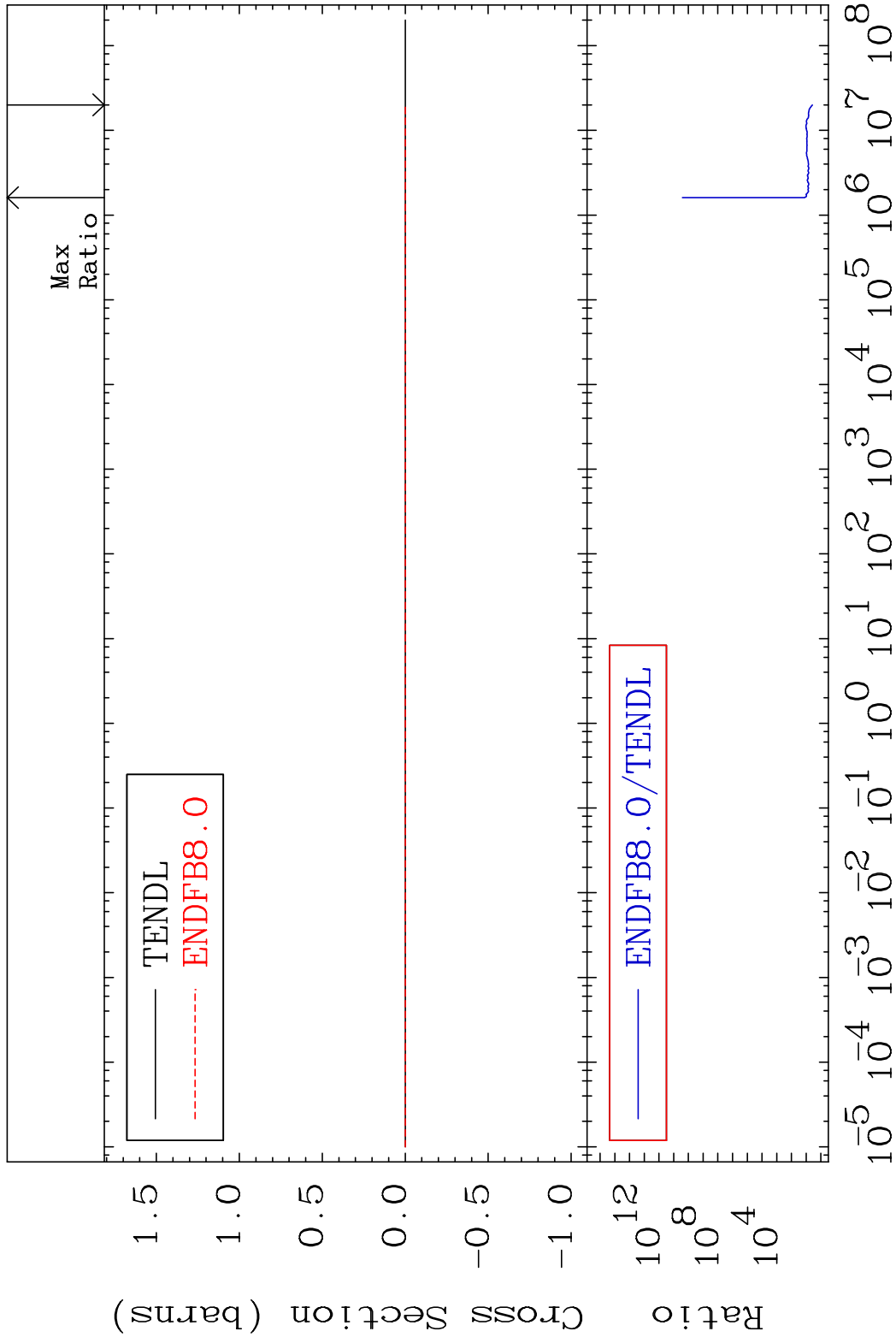
MAT 5837 Kerma non-elastic (all but mt2) 58-Ce-140
 Cross Section 1134. To 9999. %



MAT 5837 Kerma inelastic (mt51-91) 58-Ce-140
 Cross Section 3566. To 9999. %



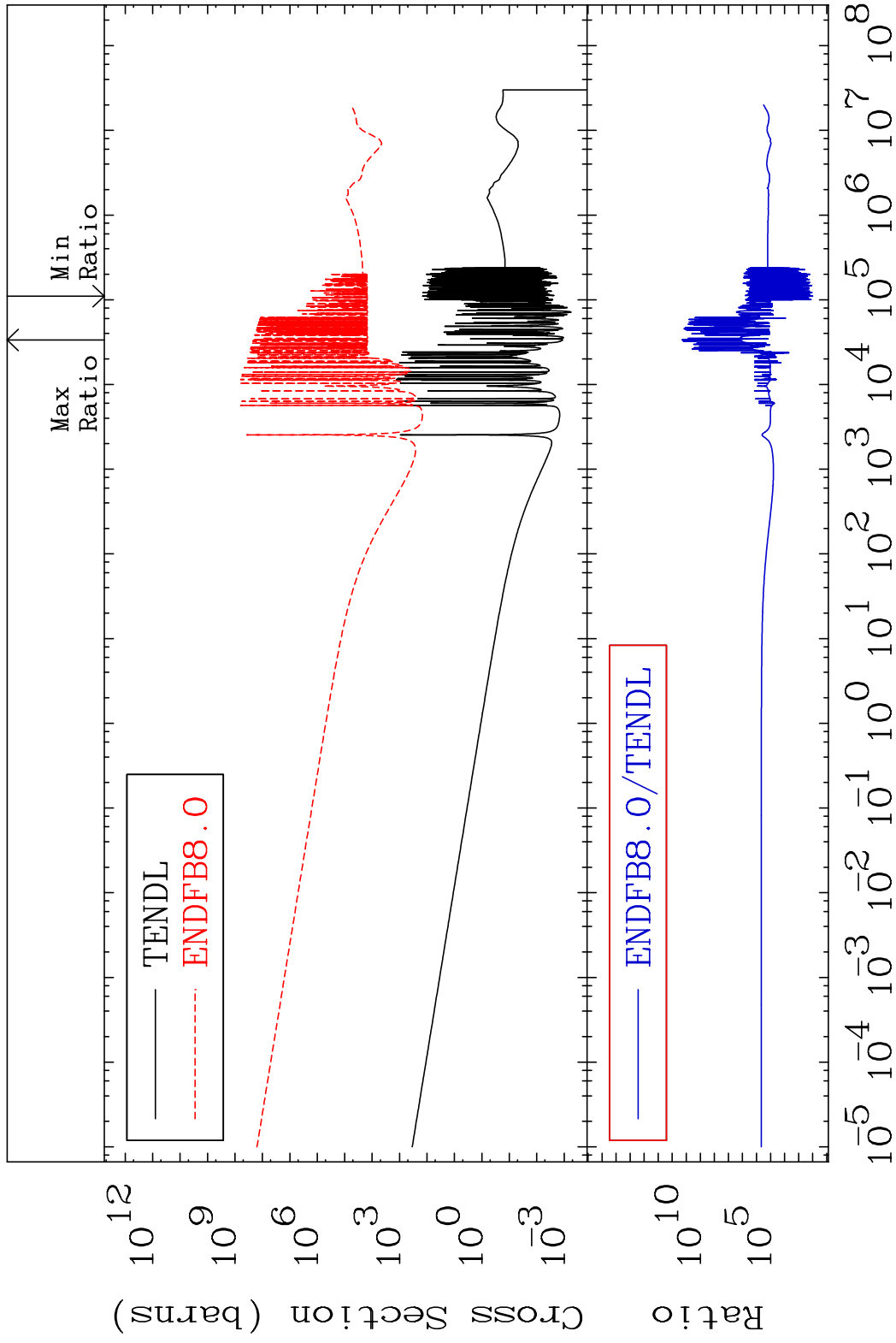
MAT 5837 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-140
 Cross Section 3566. To 9999. %



MAT 5837

Kerma capture (mt102) 58-Ce-140

Cross Section 9999. To 9999. %

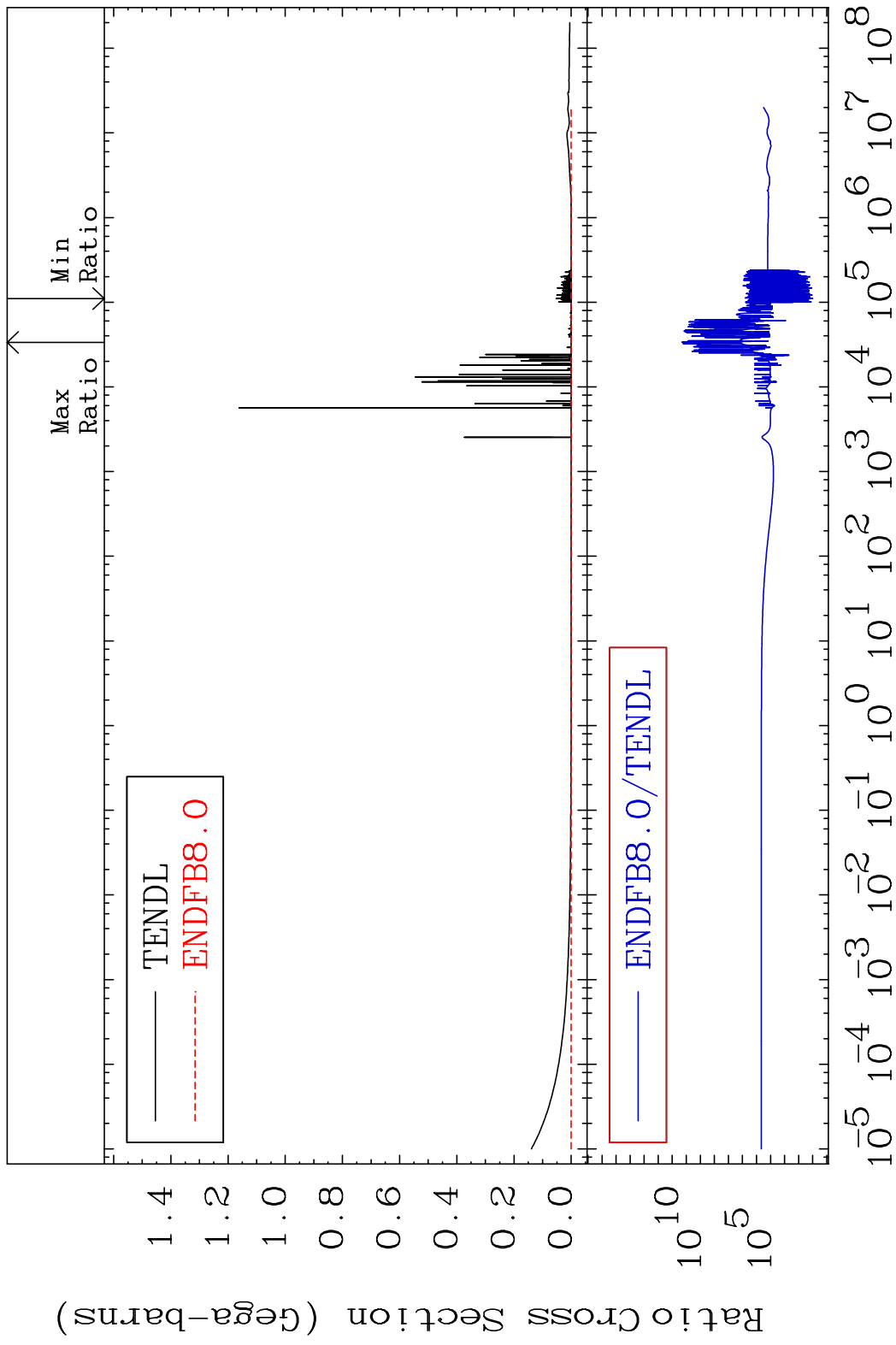


39

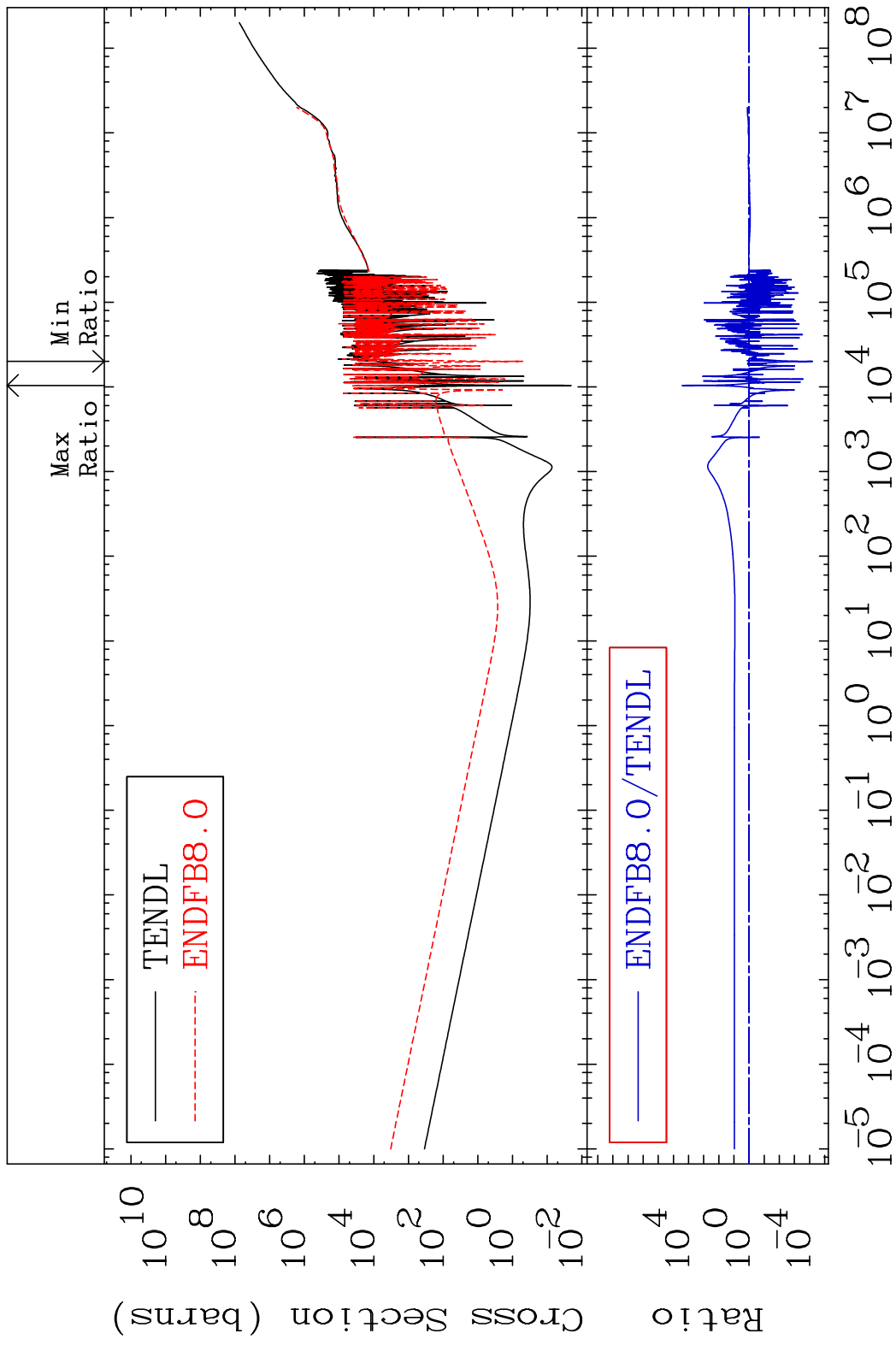
Incident Energy (eV)

58-Ce-140

MAT 5837 Total photon (eV-barns) 58-Ce-140
Cross Section 9999. To 9999. %



MAT 5837 Total kinematic kerma (high limit) 58-Ce-140
 Cross Section -99.99 To 9999. %

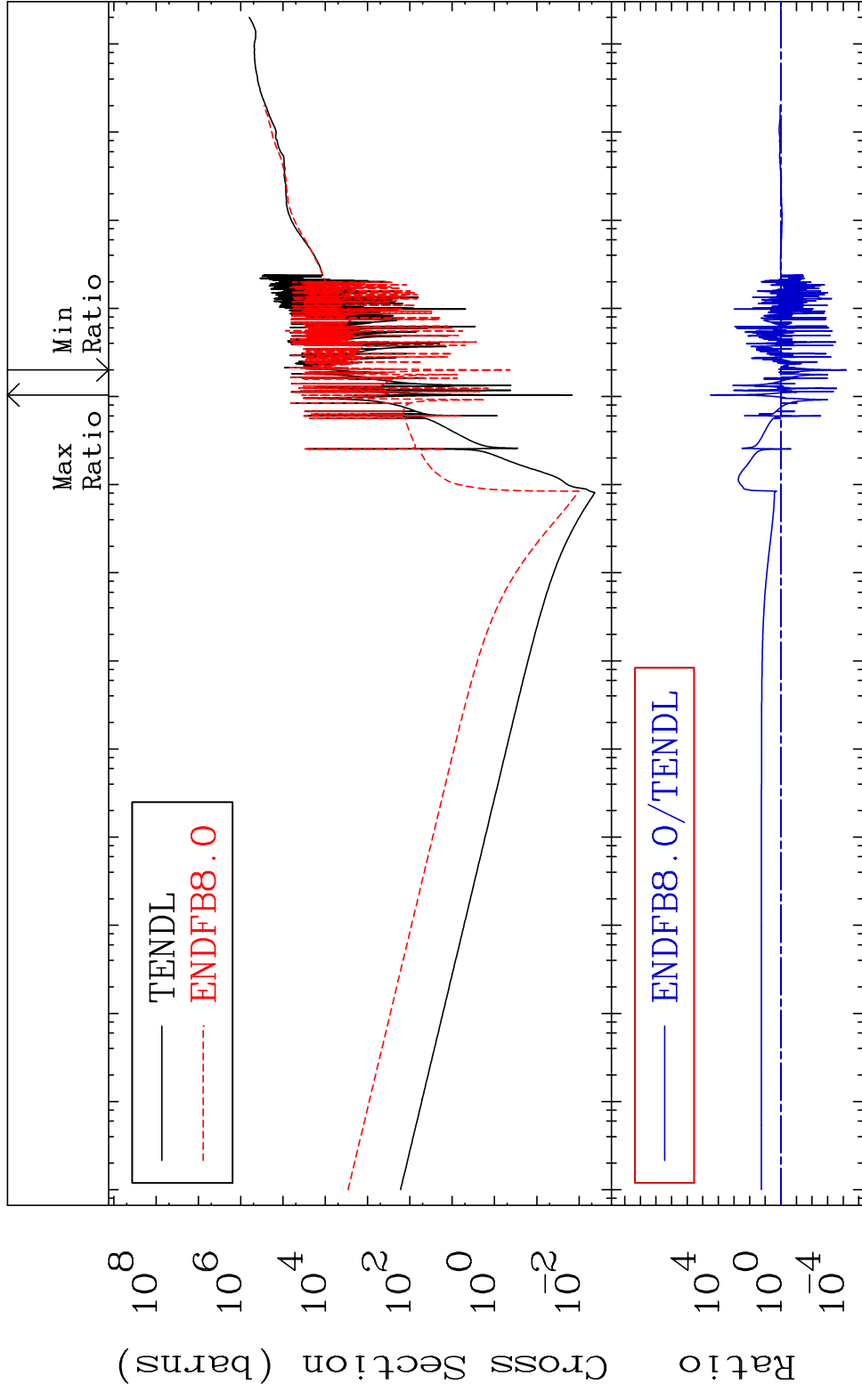


MAT 5837

Dpa total (eV-barns)

58-Ce-140

Cross Section -99.99 To 9999. %

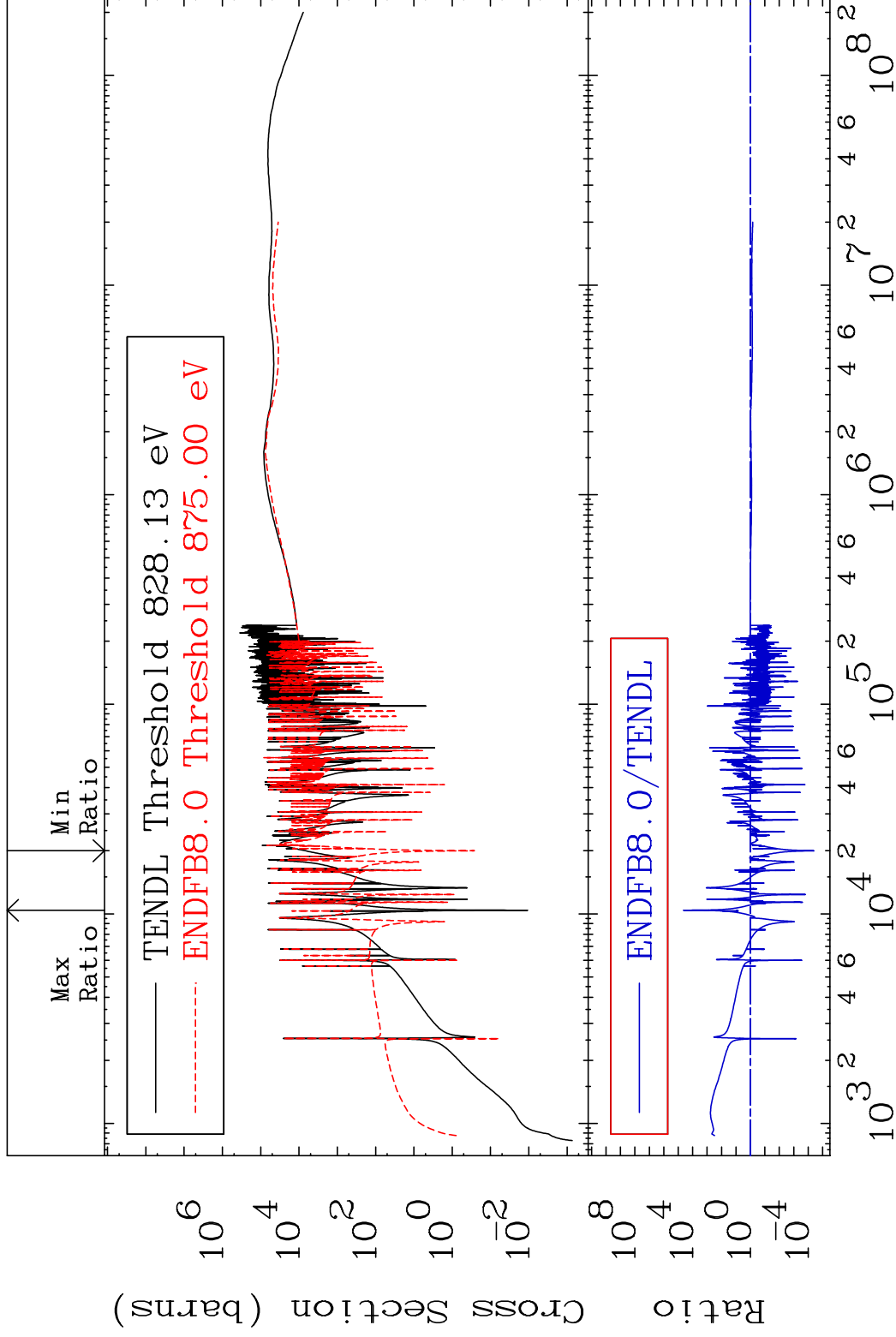


MAT 5837

Dpa elastic (mt2)

58-Ce-140

Cross Section -100.0 To 9999. %

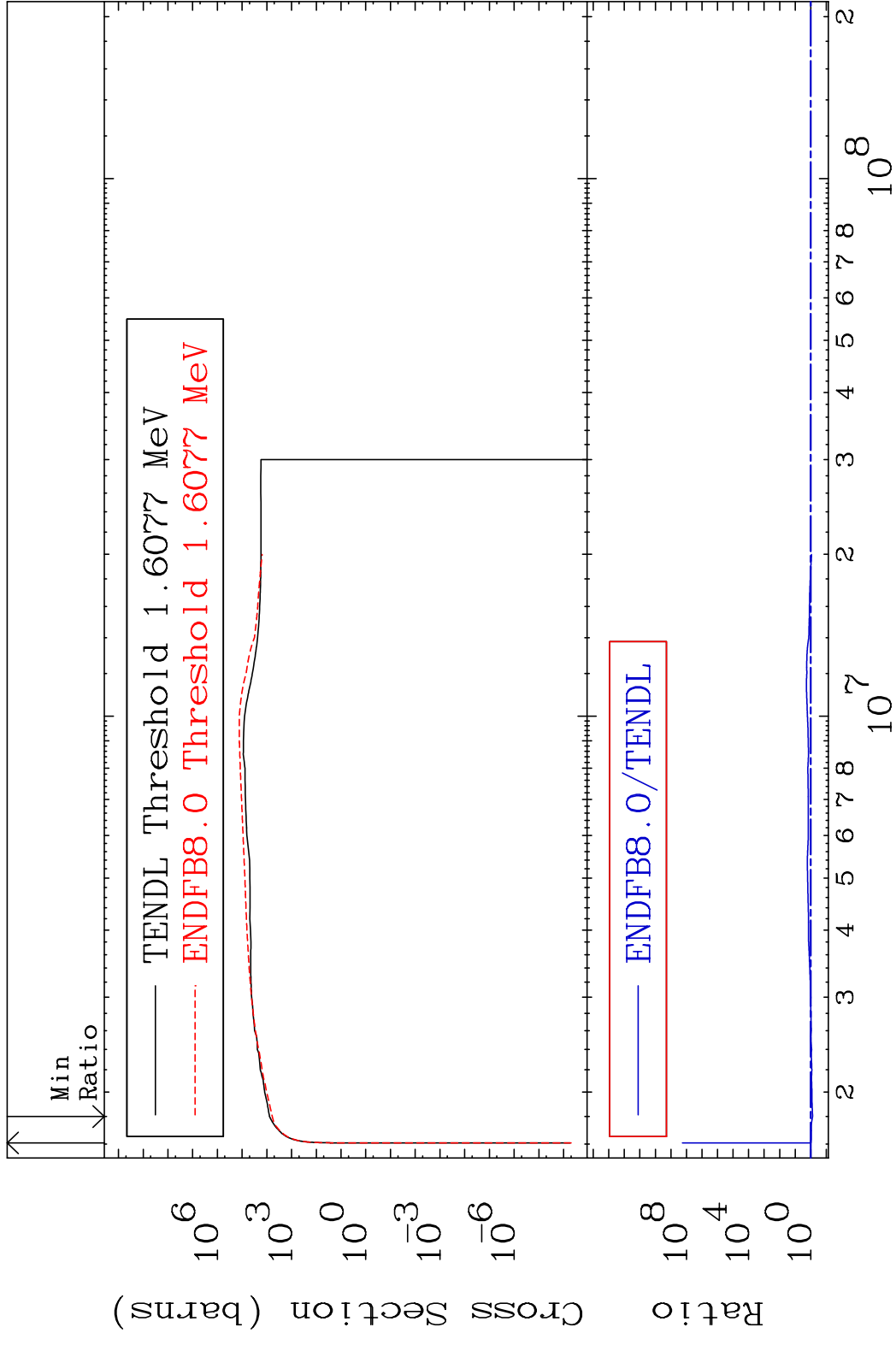


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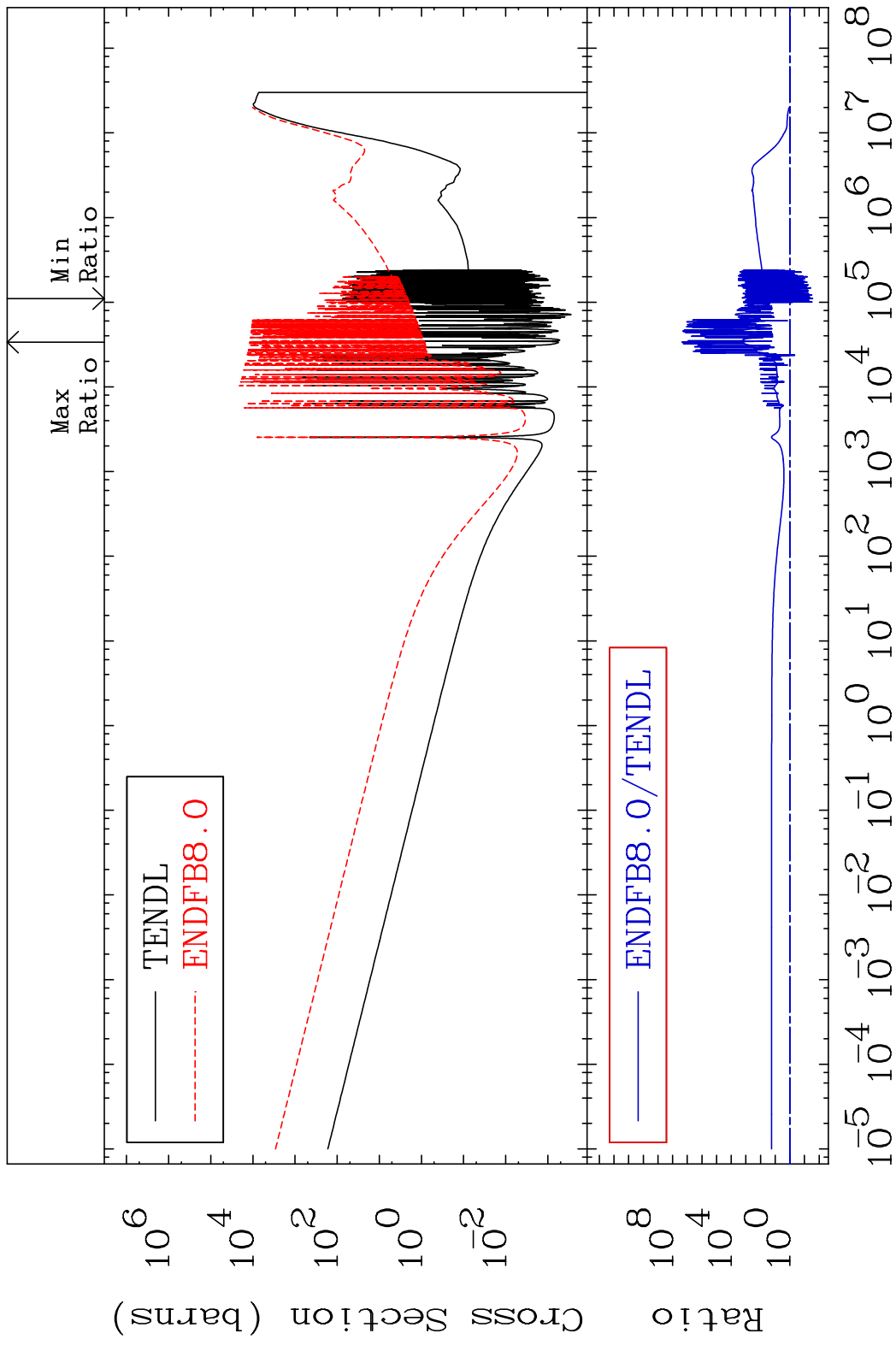
Incident Energy (eV)

58-Ce-140

MAT 5837 Dpa inelastic (mt51-91) 58-Ce-140
 Cross Section -23.39 To 9999. %



MAT 5837 Dpa disappearance (mt102 -120) 58-Ce-140
 Cross Section -97.20 To 9999. %



45 Incident Energy (eV) 58-Ce-140