

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

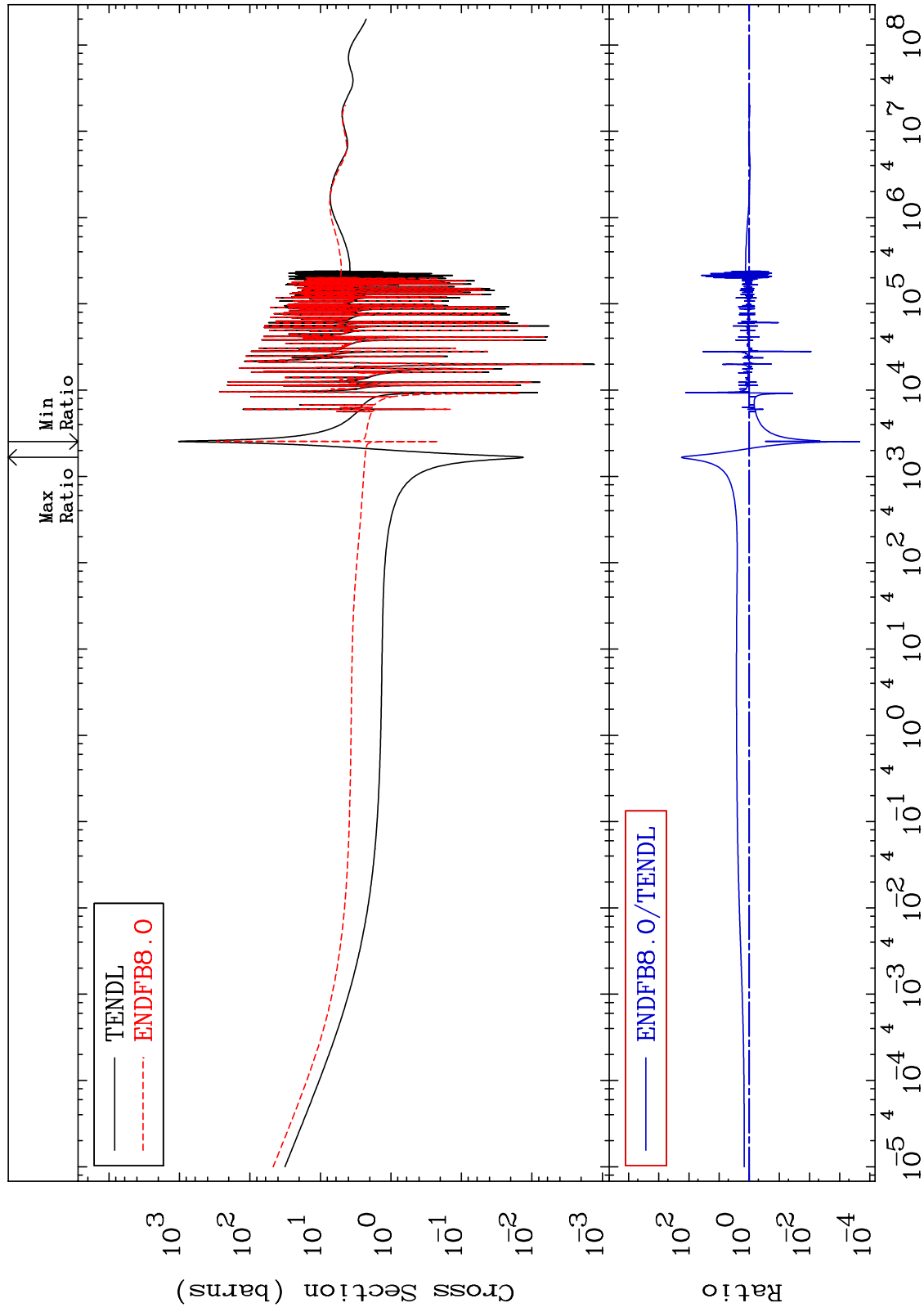
MAT 5837

Total

58-Ce-140

Cross Section

-99.98 To 9999. %



Incident Energy (eV)

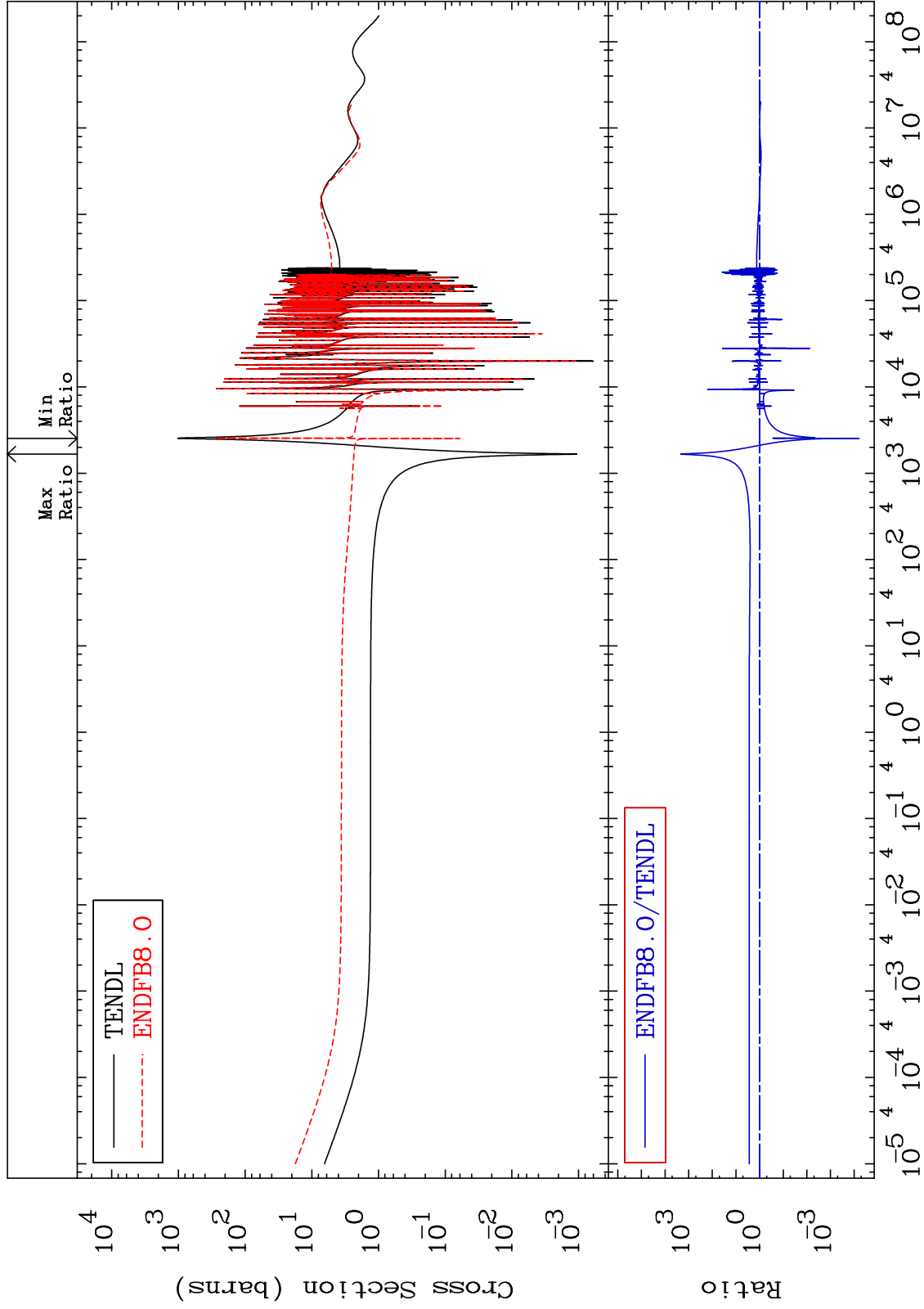
58-Ce-140

1

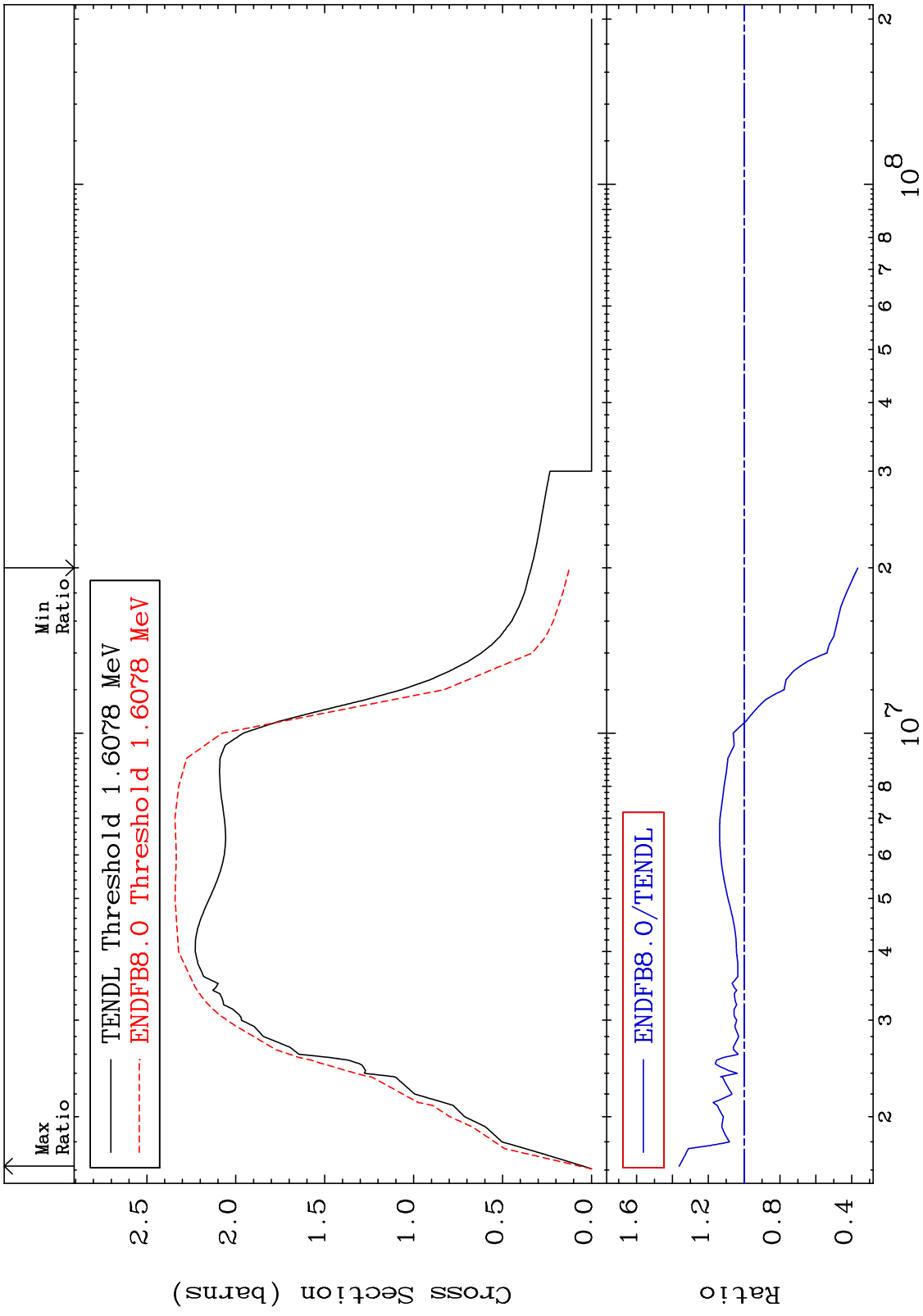
MAT 5837

Elastic
Cross Section

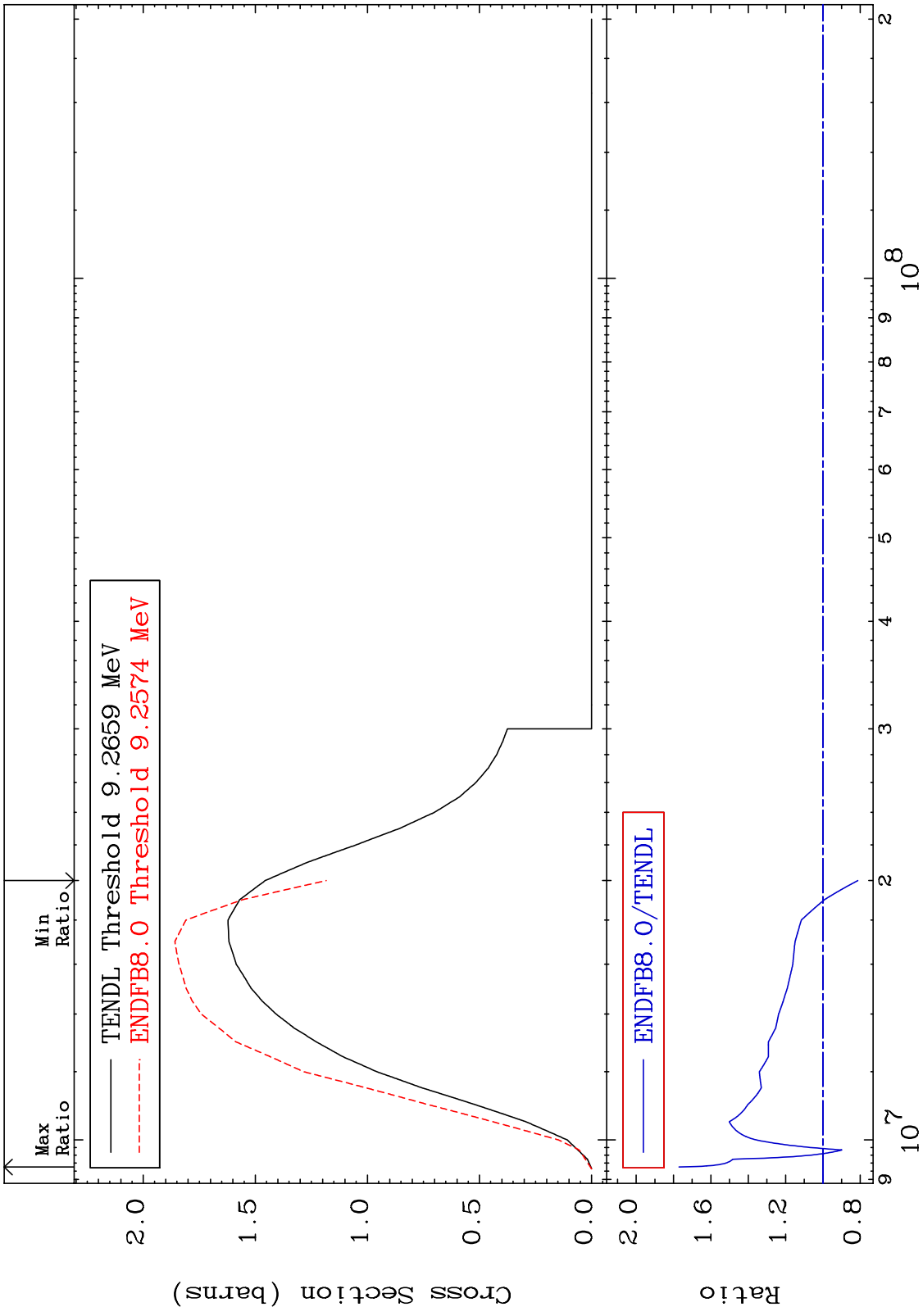
58-Ce-140
-99.99 To 9999. %



MAT 5837 Inelastic Cross Section 58-Ce-140 -63.47 To 36.26 %

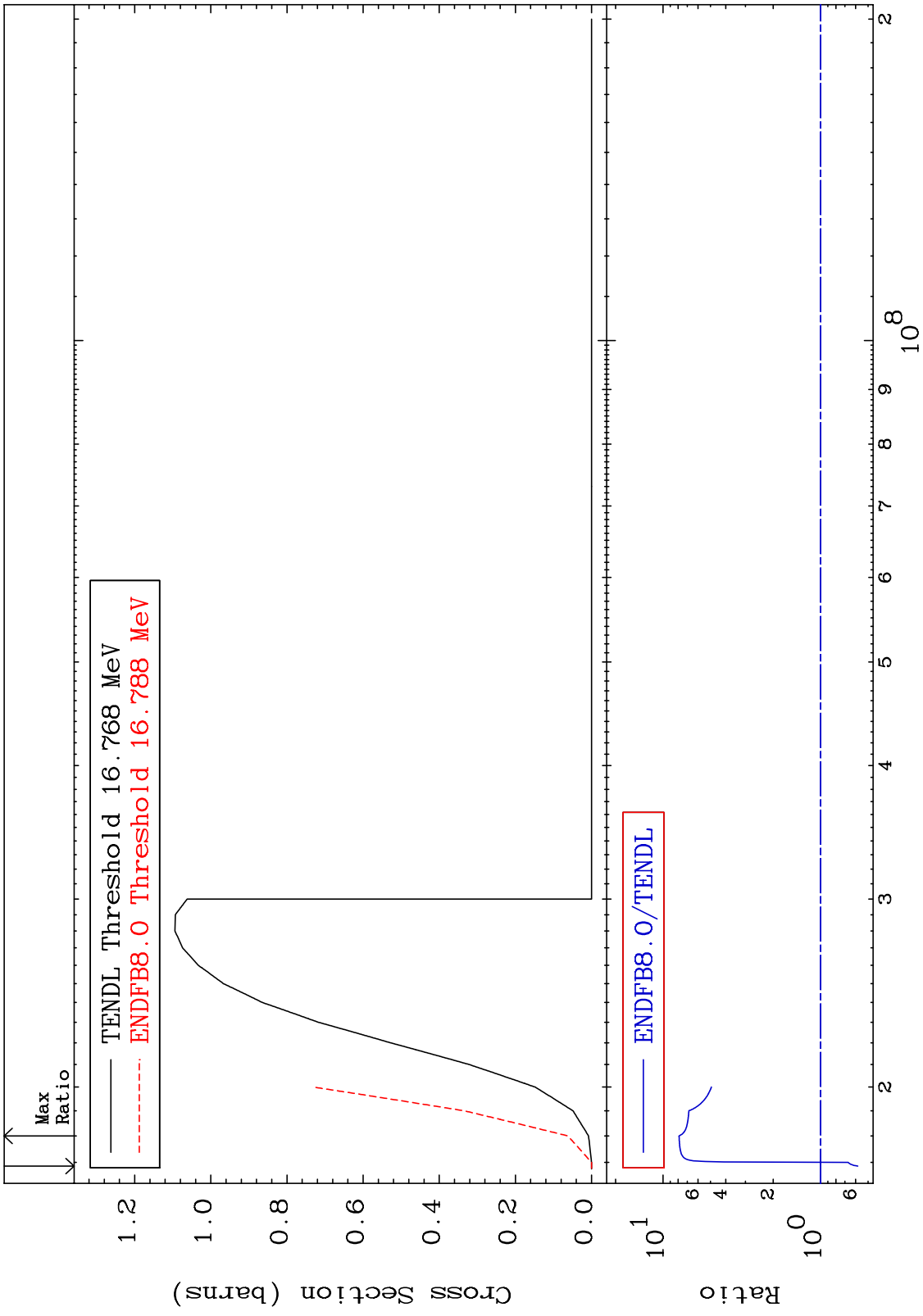


MAT 5837 (n,2n) Cross Section 58-Ce-140 -18.70 To 77.03 %



58-Ce-140

MAT 5837 (n,3n) Cross Section 58-Ce-140 -42.00 To 690.2 %



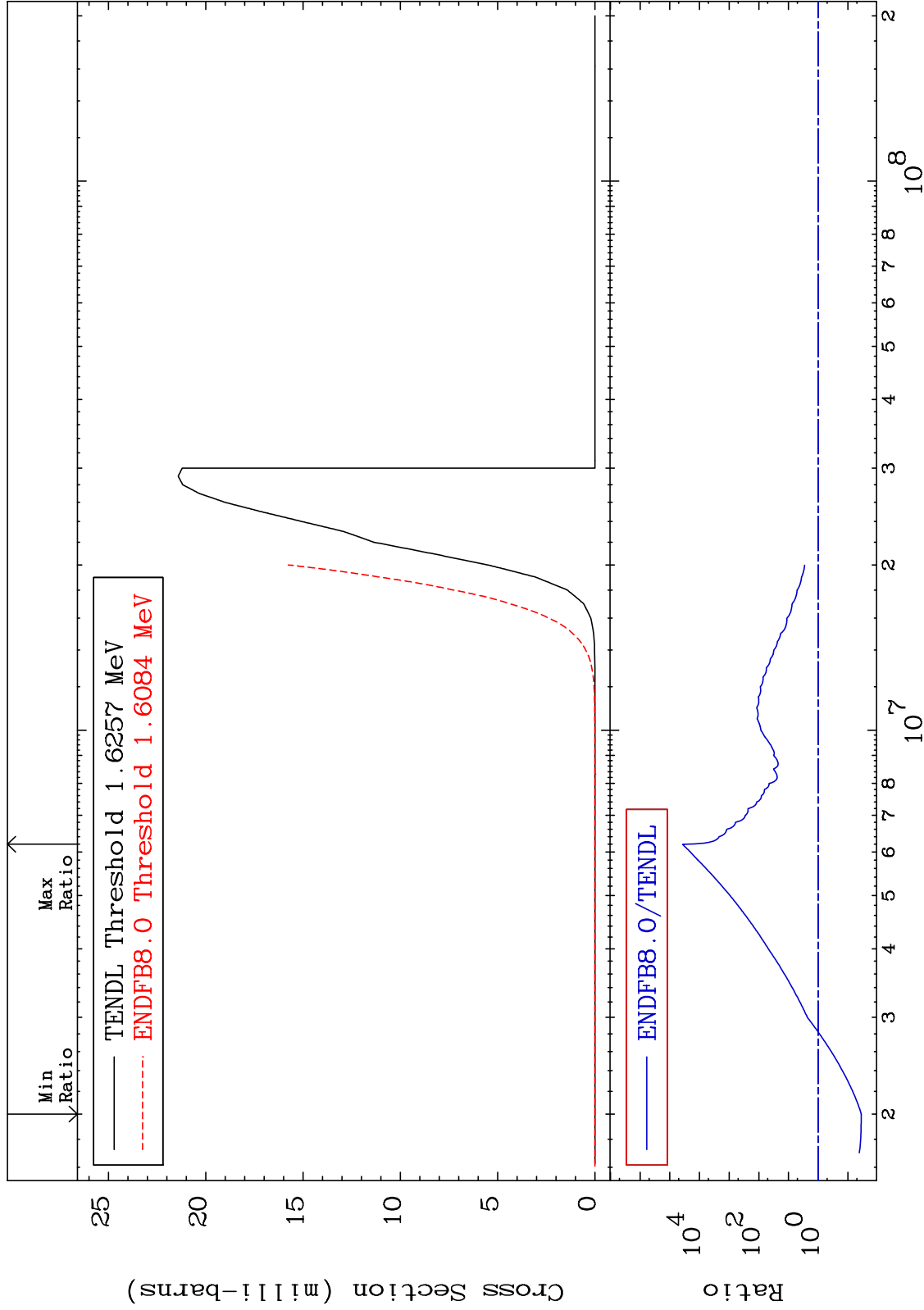
MAT 5837

(n,n') α

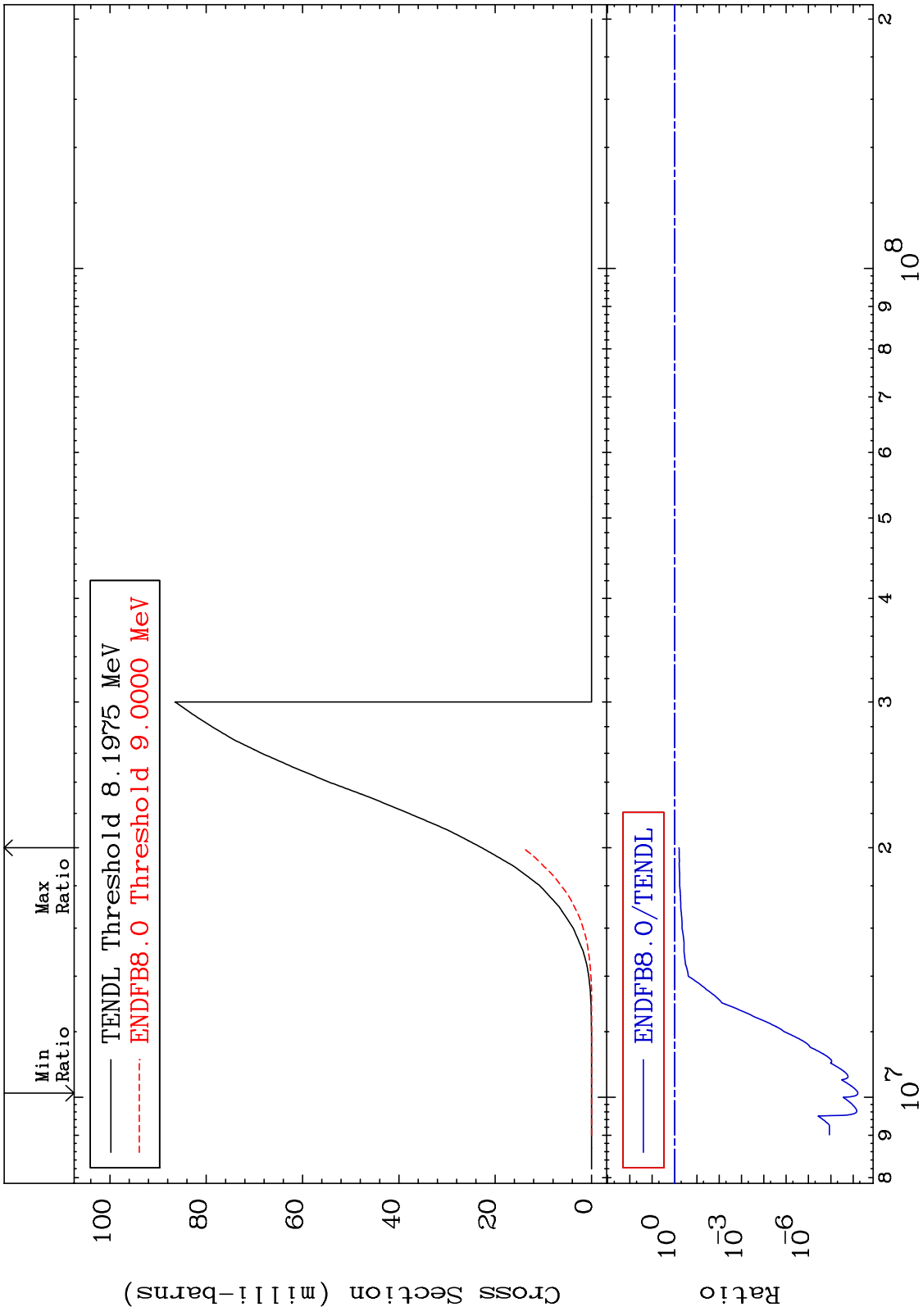
58-Ce-140

-96.47 To 9999. %

Cross Section

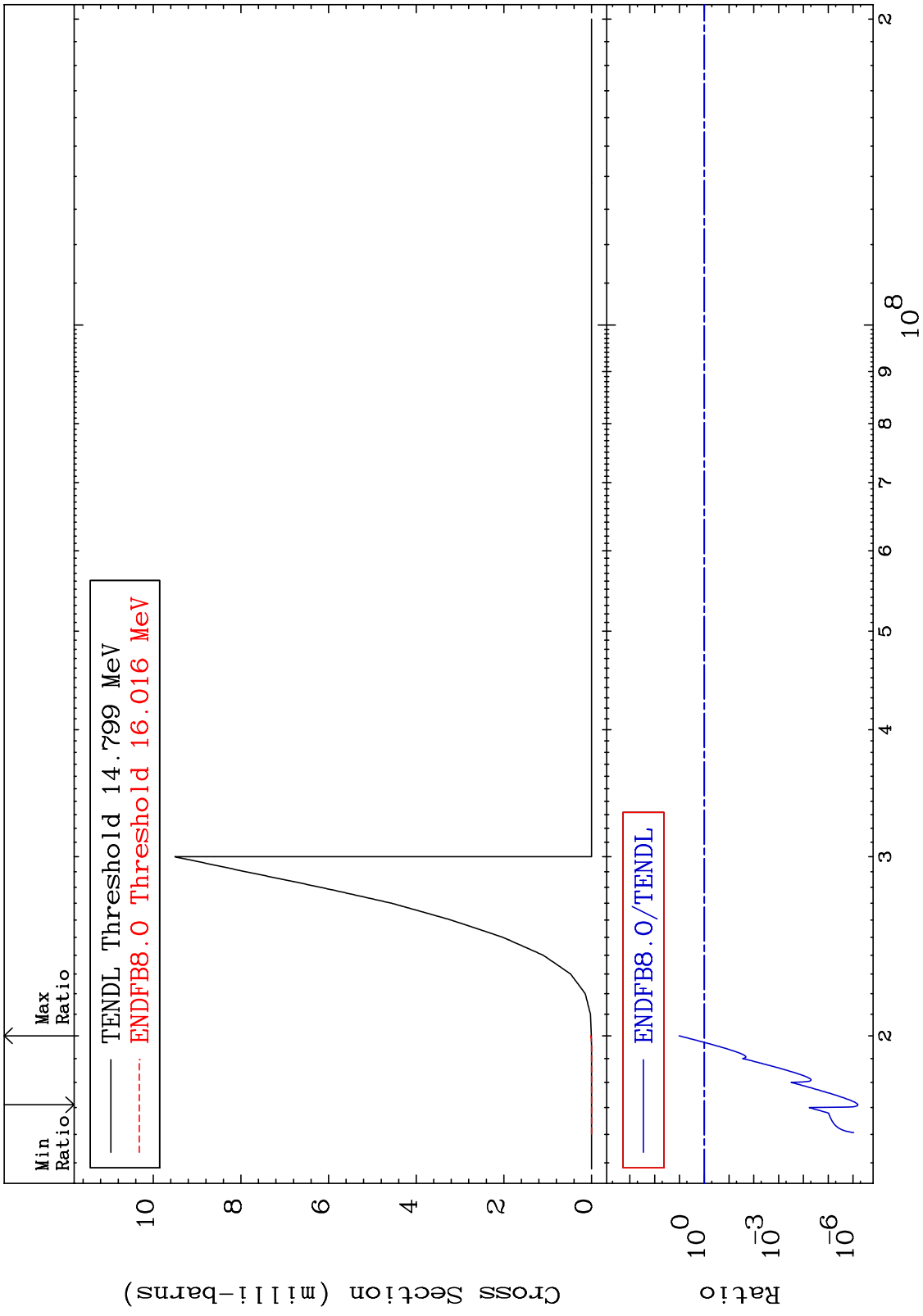


MAT 5837 (n, n') p $^{58}\text{Ce-140}$
 Cross Section -100.0 To -37.29%

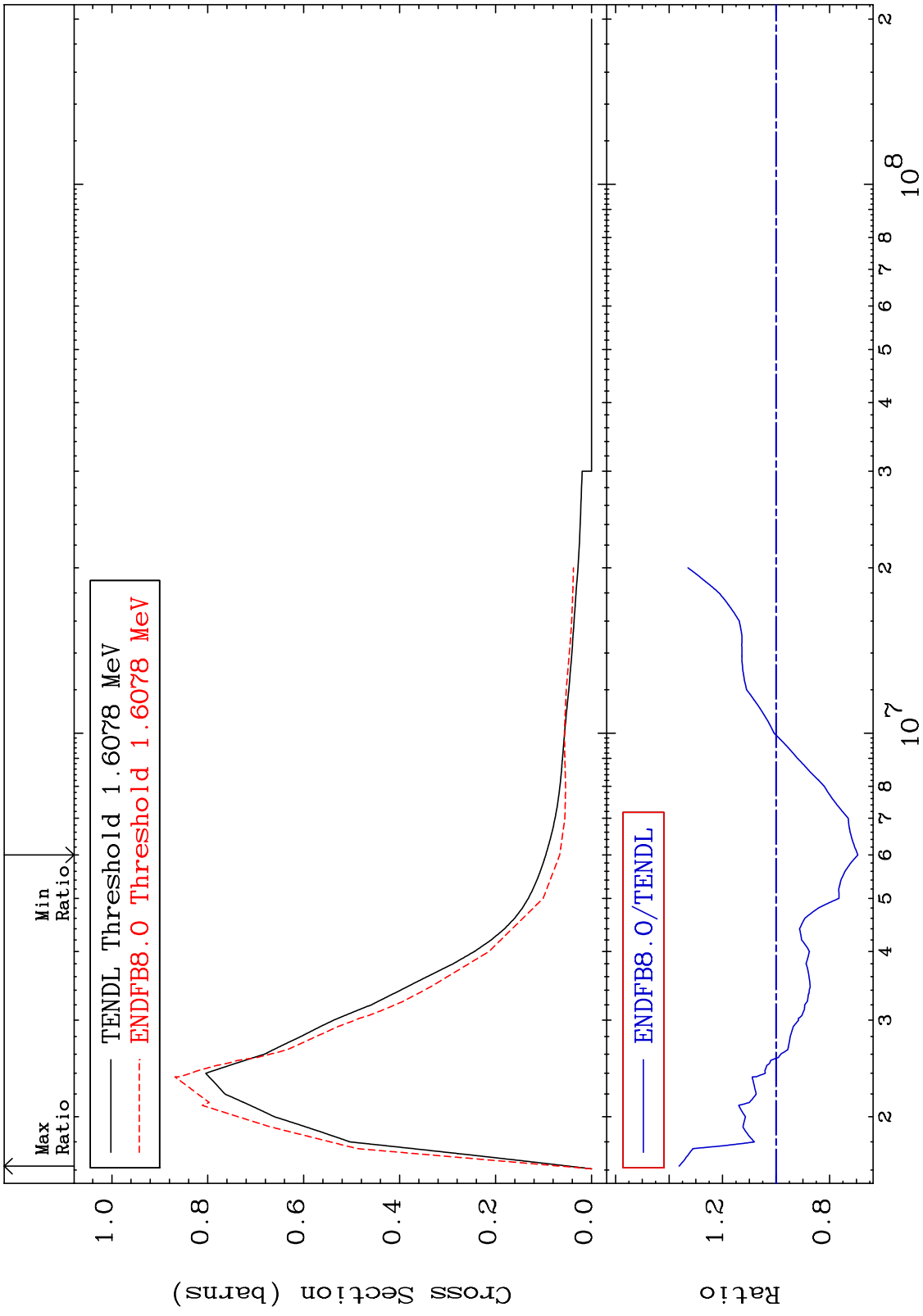


7 8 9 10⁷ 10⁸ 2 $^{58}\text{Ce-140}$

MAT 5837 (n,n') d 58-Ce-140
 Cross Section -100.0 To 939.0 %



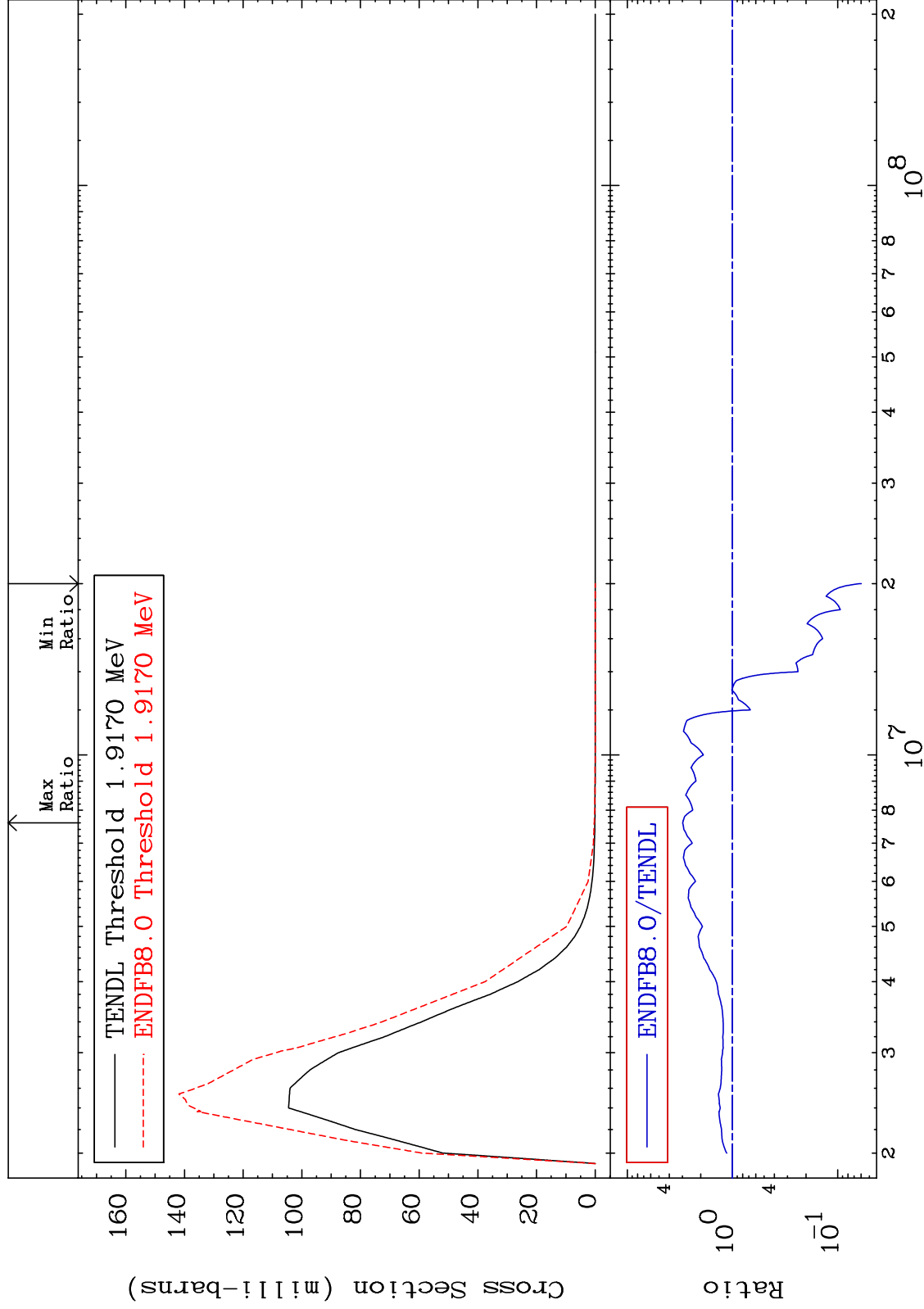
MAT 5837 MT= 51 (n,n') Level Cross Section 58-Ce-140 -30.55 To 36.26 %



MAT 5837

MT= 52 (n,n') Level
Cross Section

58-Ce-140
-94.04 To 197.7 %

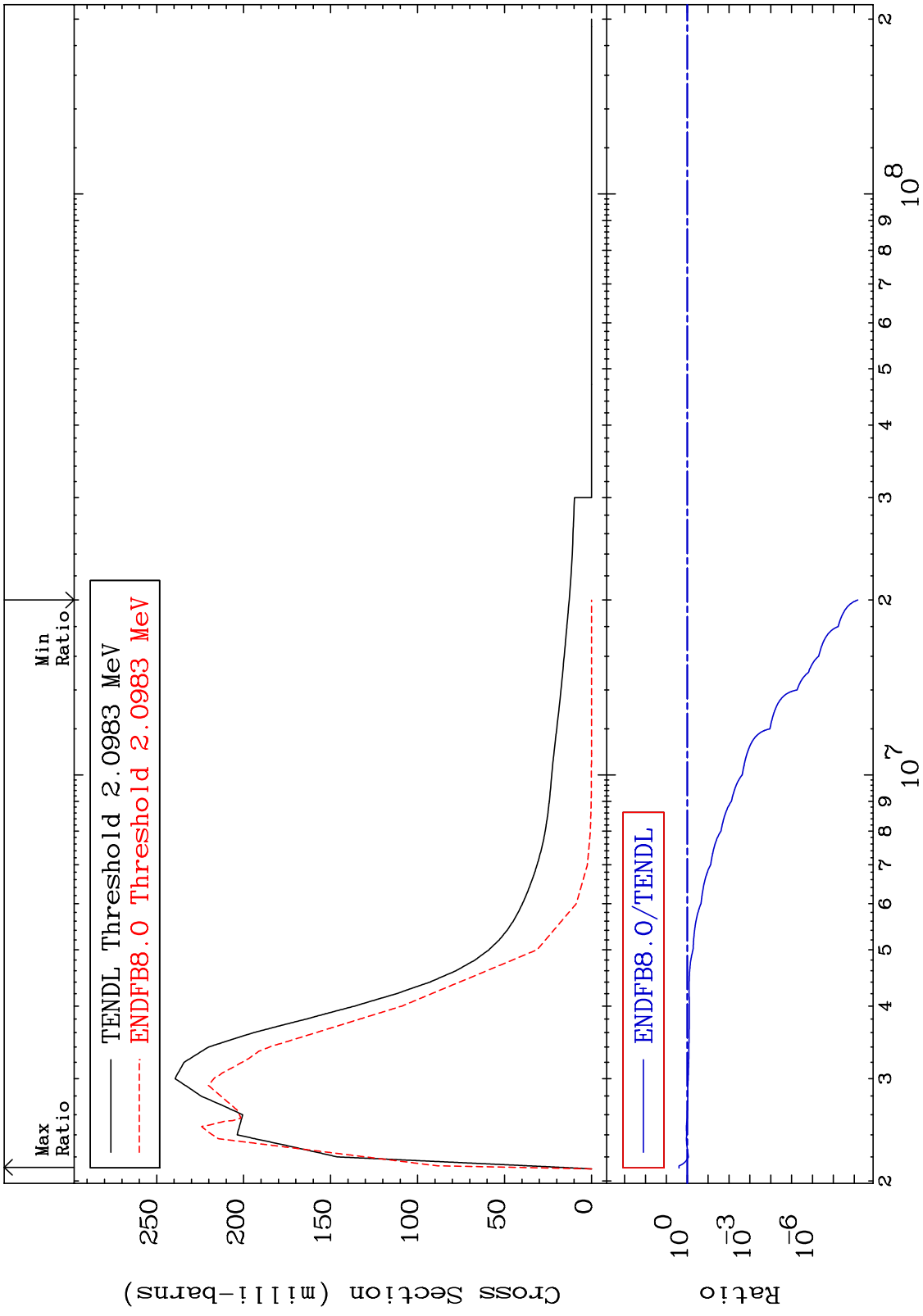


10

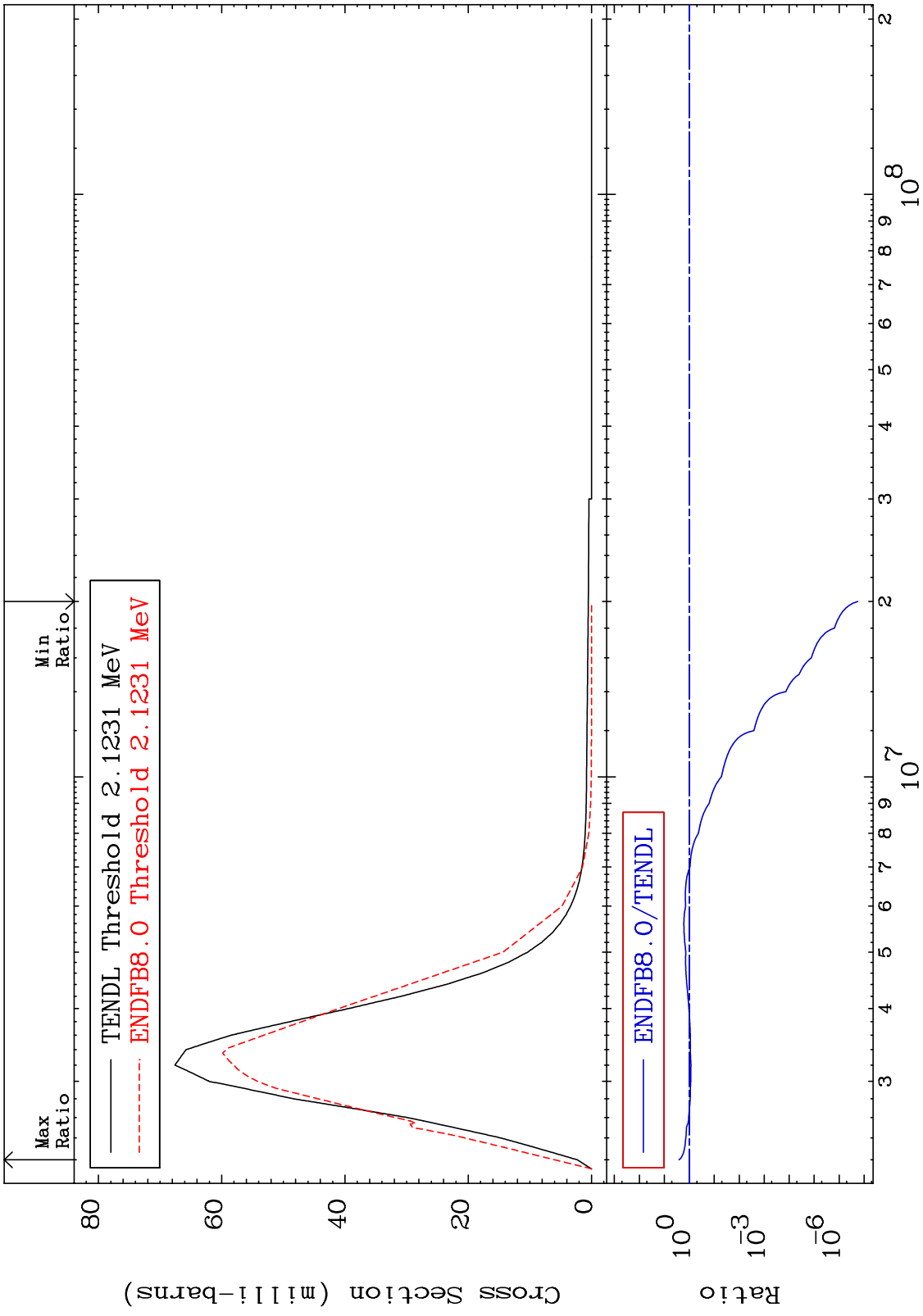
Incident Energy (eV)

58-Ce-140

MAT 5837 MT= 53 (n,n') Level Cross Section 58-Ce-140 -100.0 To 148.1 %

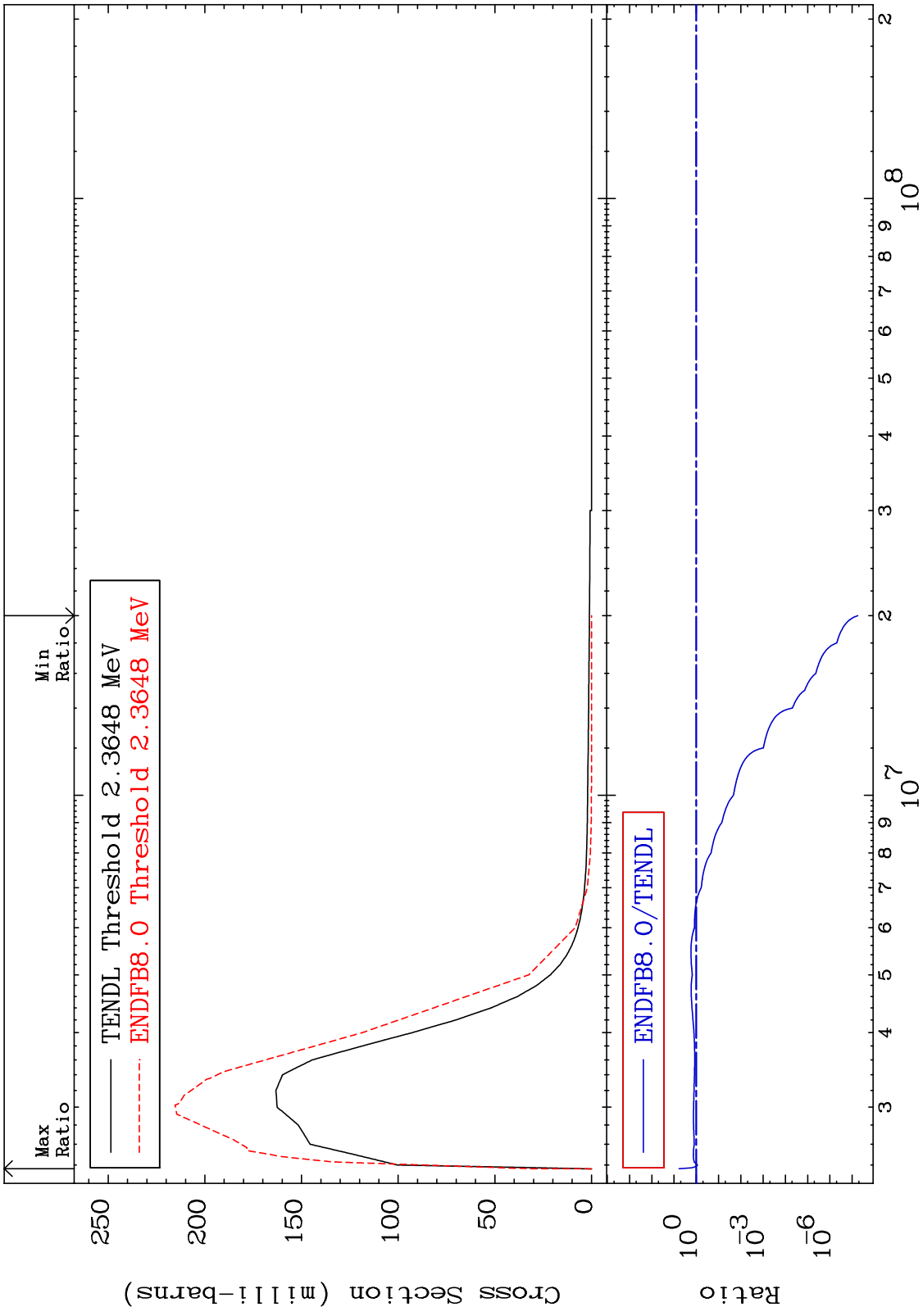


MAT 5837 MT= 54 (n,n') Level Cross Section 58-Ce-140 -100.0 To 157.1 %



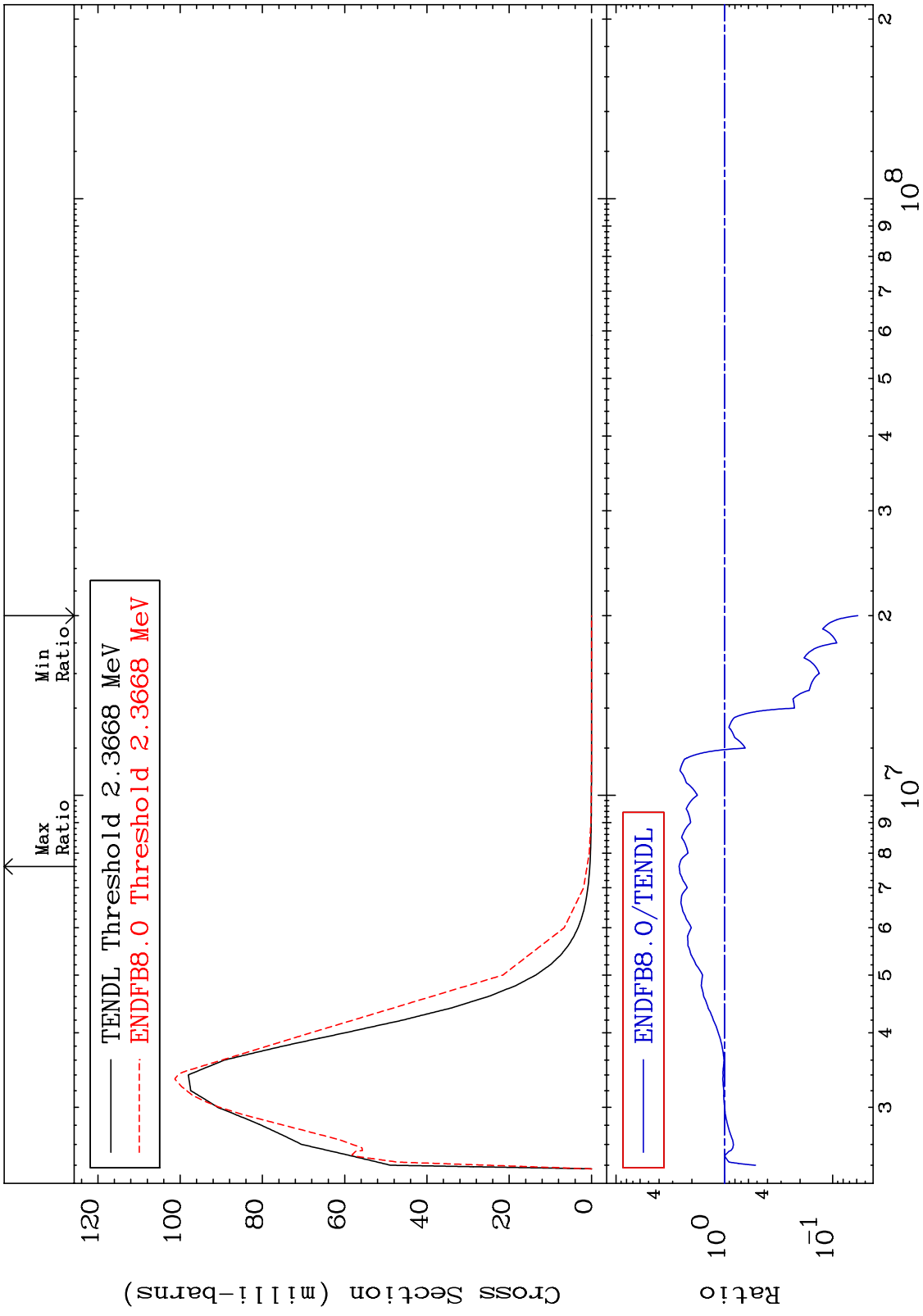
12 58-Ce-140 Incident Energy (eV)

MAT 5837 MT= 55 (n,n') Level Cross Section 58-Ce-140 -100.0 To 496.3 %

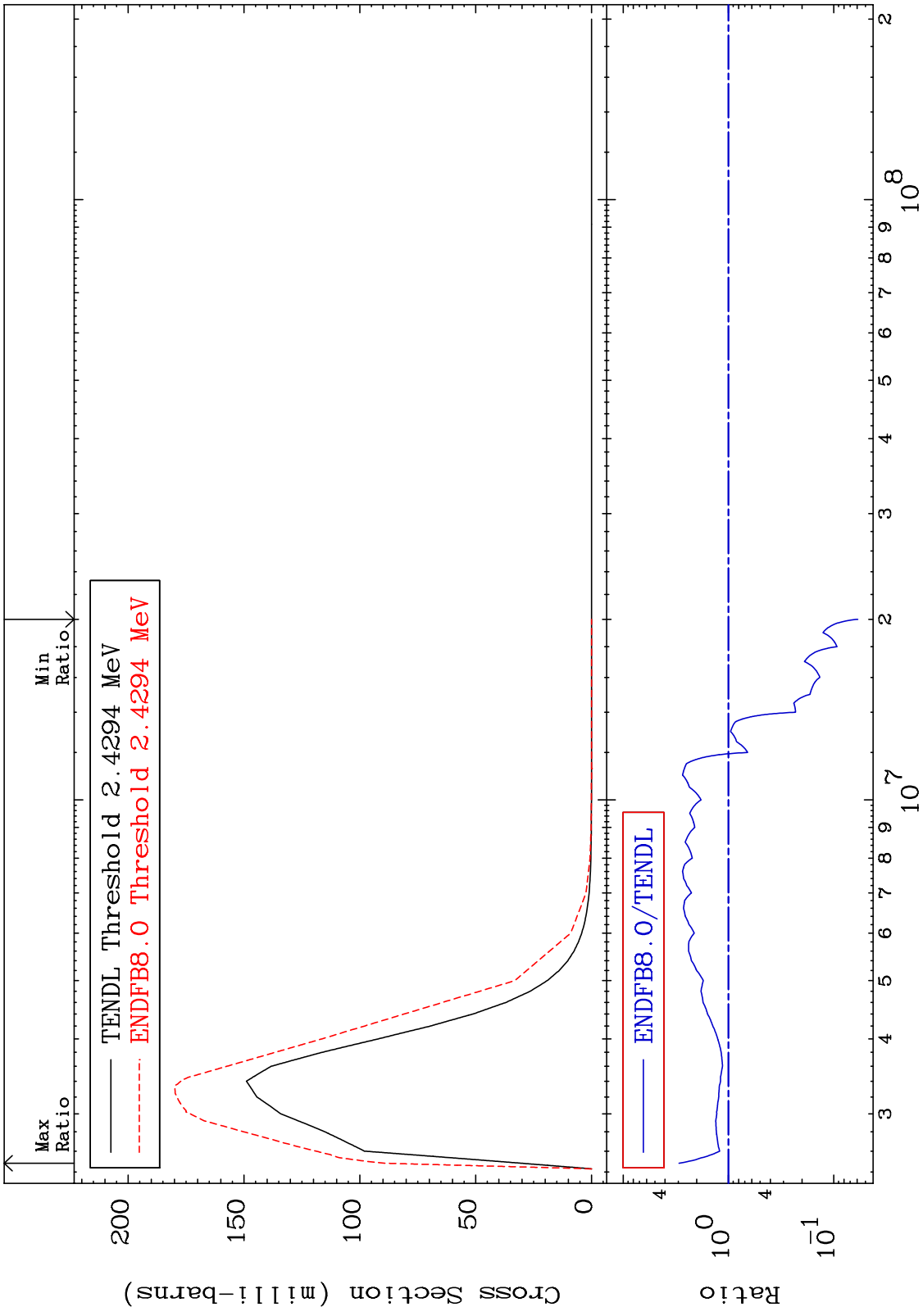


13 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 56 (n,n') Level Cross Section 58-Ce-140 -94.15 To 162.2 %

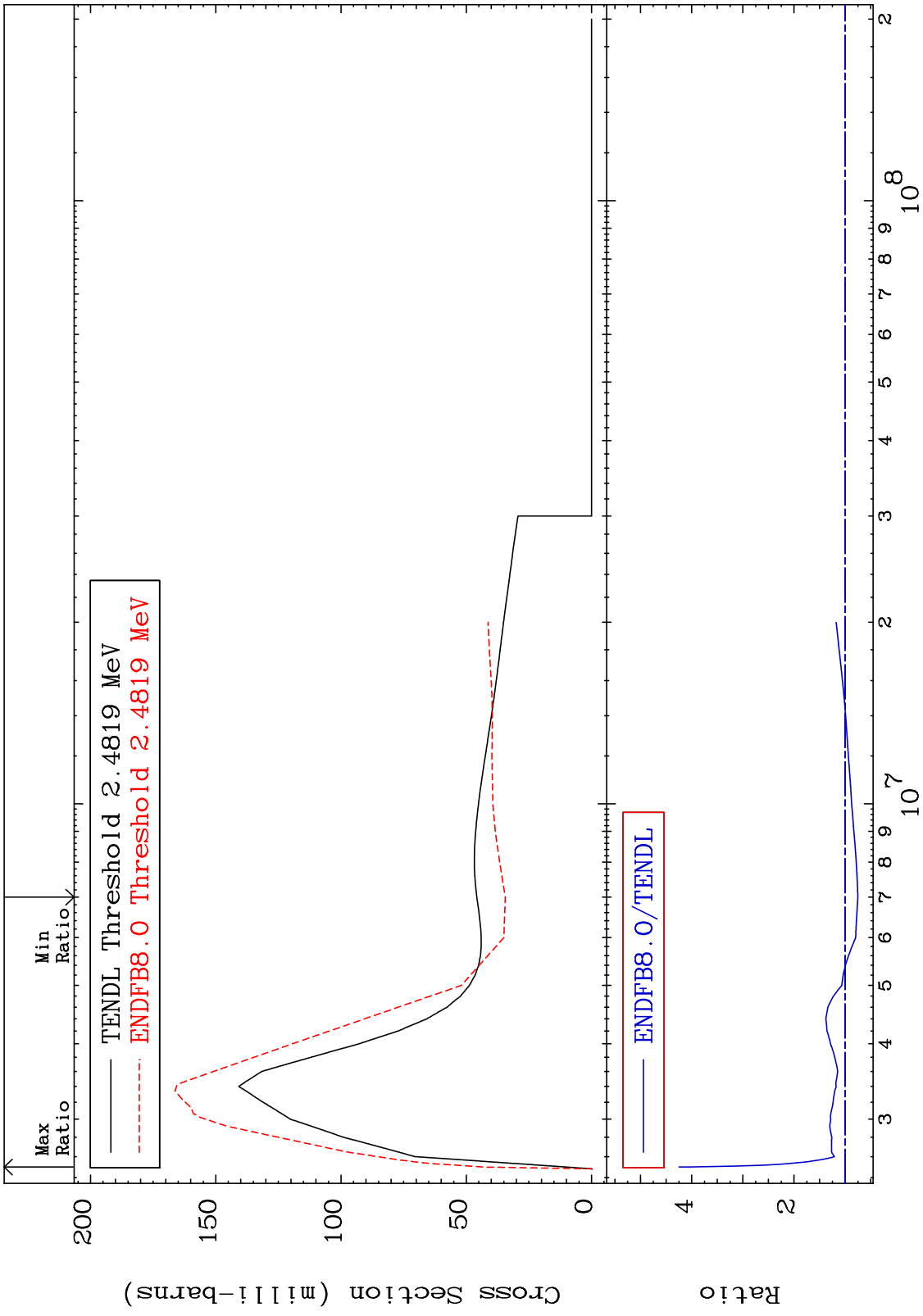


MAT 5837 MT= 57 (n,n') Level Cross Section 58-Ce-140 -94.09 To 194.6 %

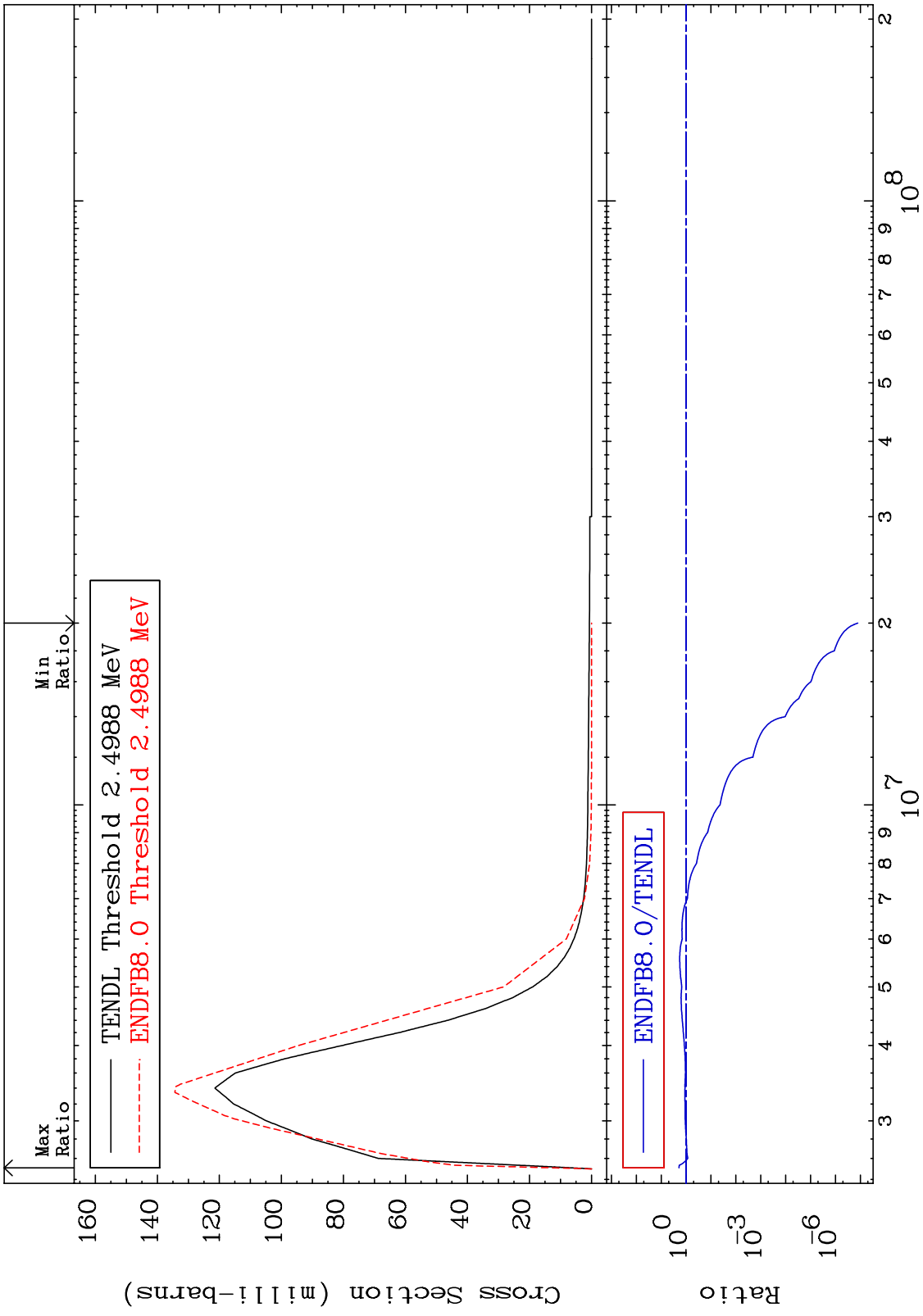


15 58-Ce-140 Incident Energy (eV)

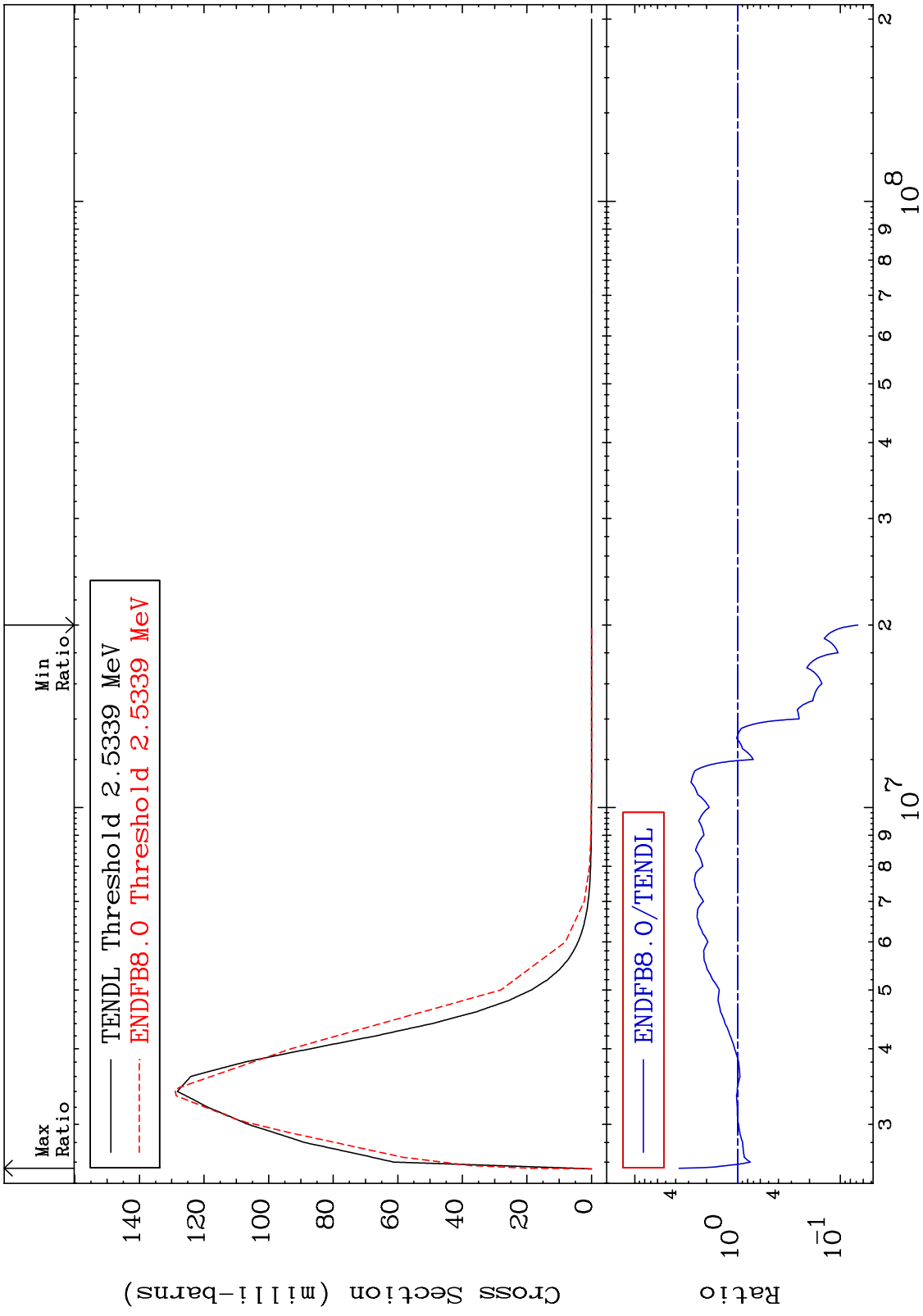
MAT 5837 MT= 58 (n,n') Level Cross Section 58-Ce-140 -24.79 To 324.7 %



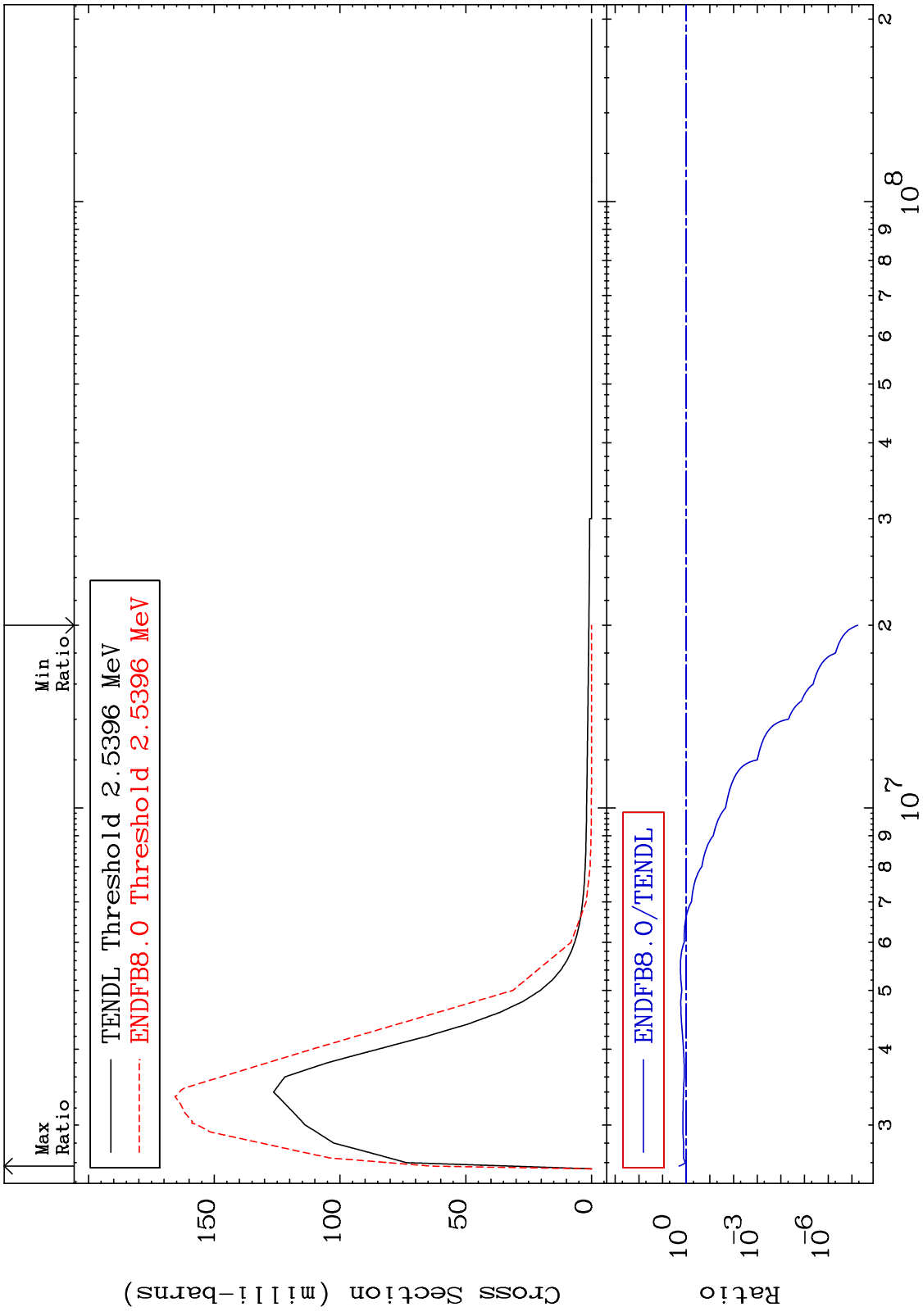
MAT 5837 MT= 59 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 91.39 %



MAT 5837 MT= 60 (n,n') Level Cross Section 58-Ce-140 -93.23 To 270.8 %



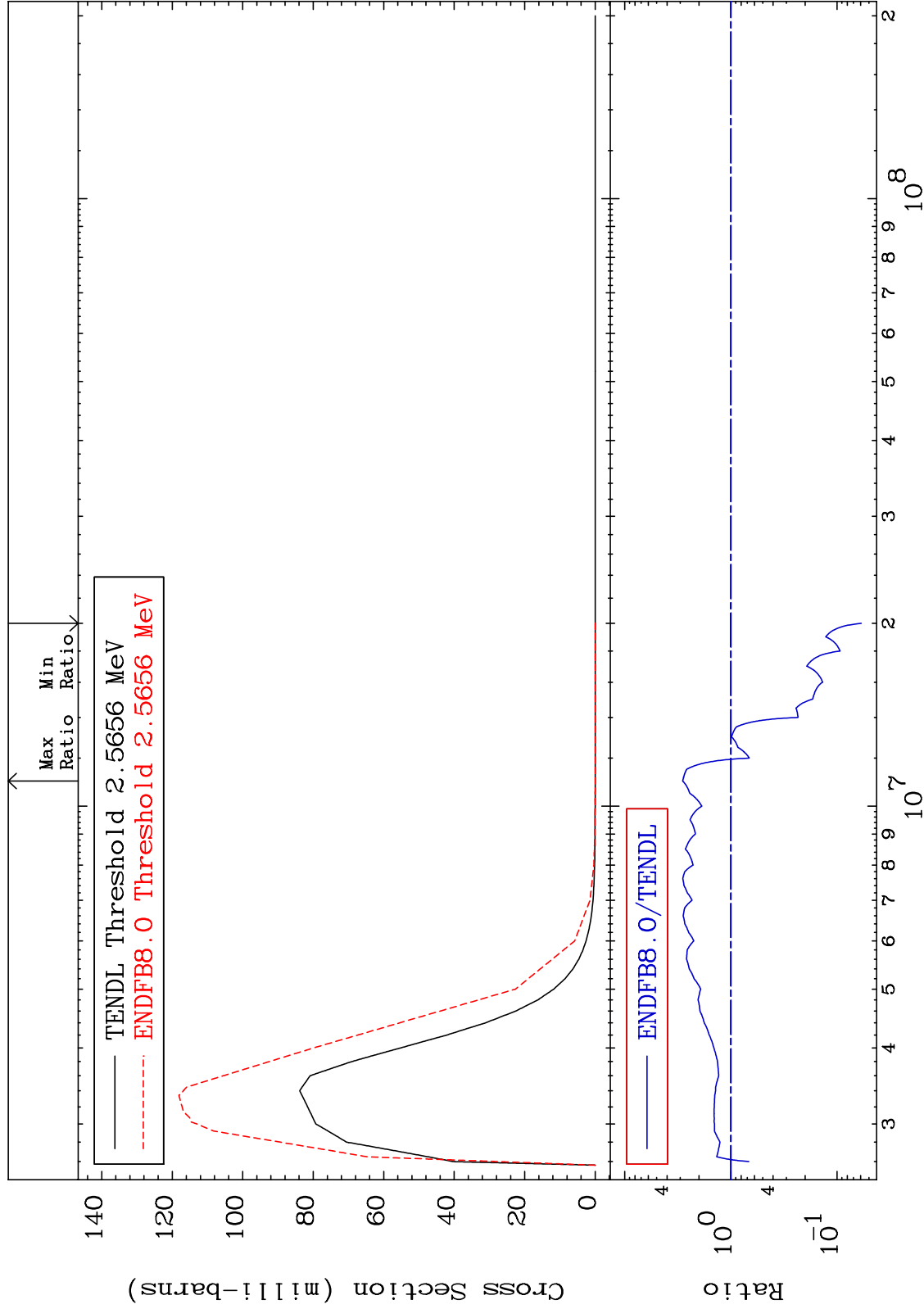
MAT 5837 MT= 61 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 100.6 %



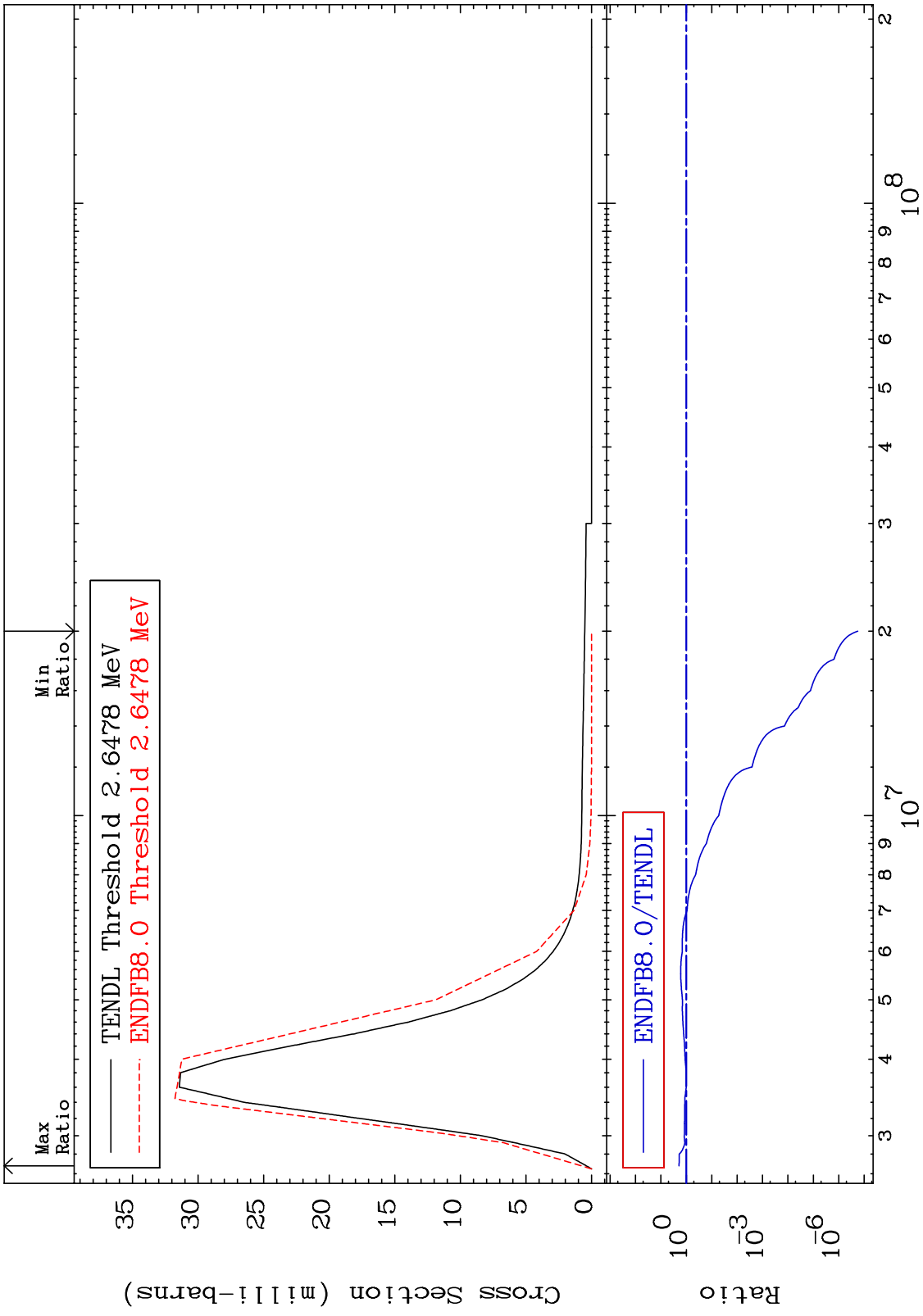
MAT 5837

MT= 62 (n,n') Level
Cross Section

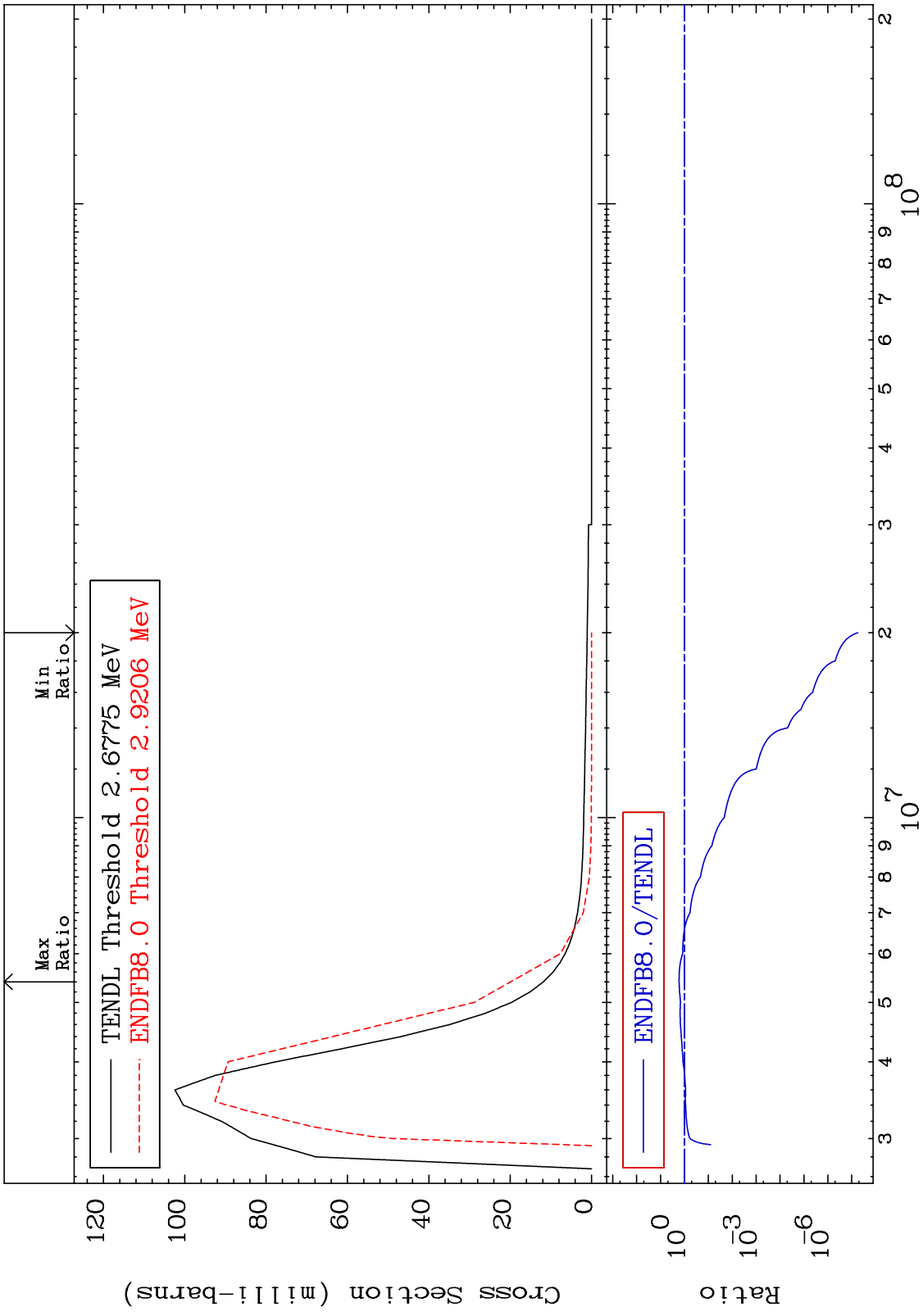
58-Ce-140
-94.10 To 184.7 %



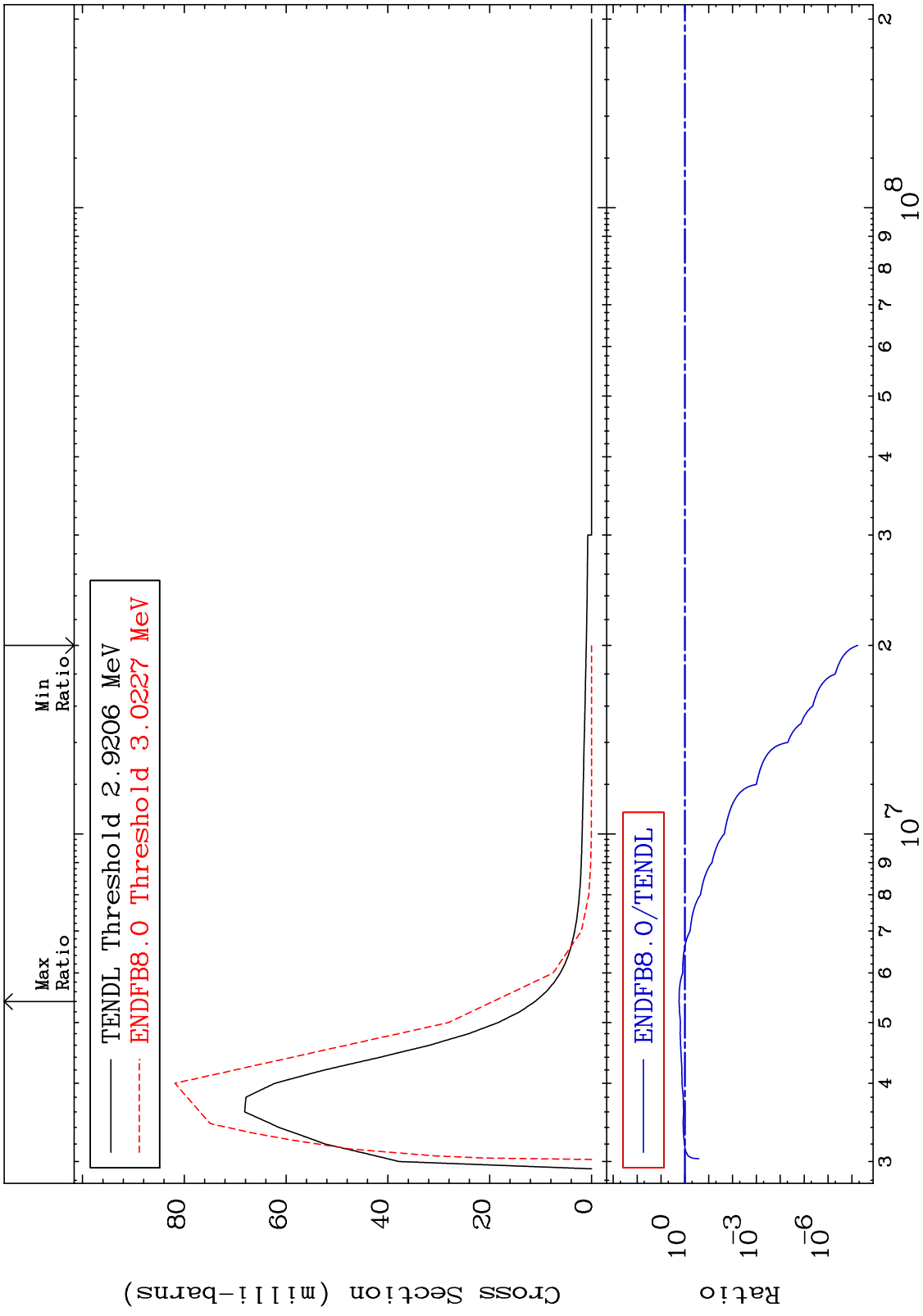
MAT 5837 MT= 63 (n,n') Level Cross Section 58-Ce-140 -100.0 To 93.02 %



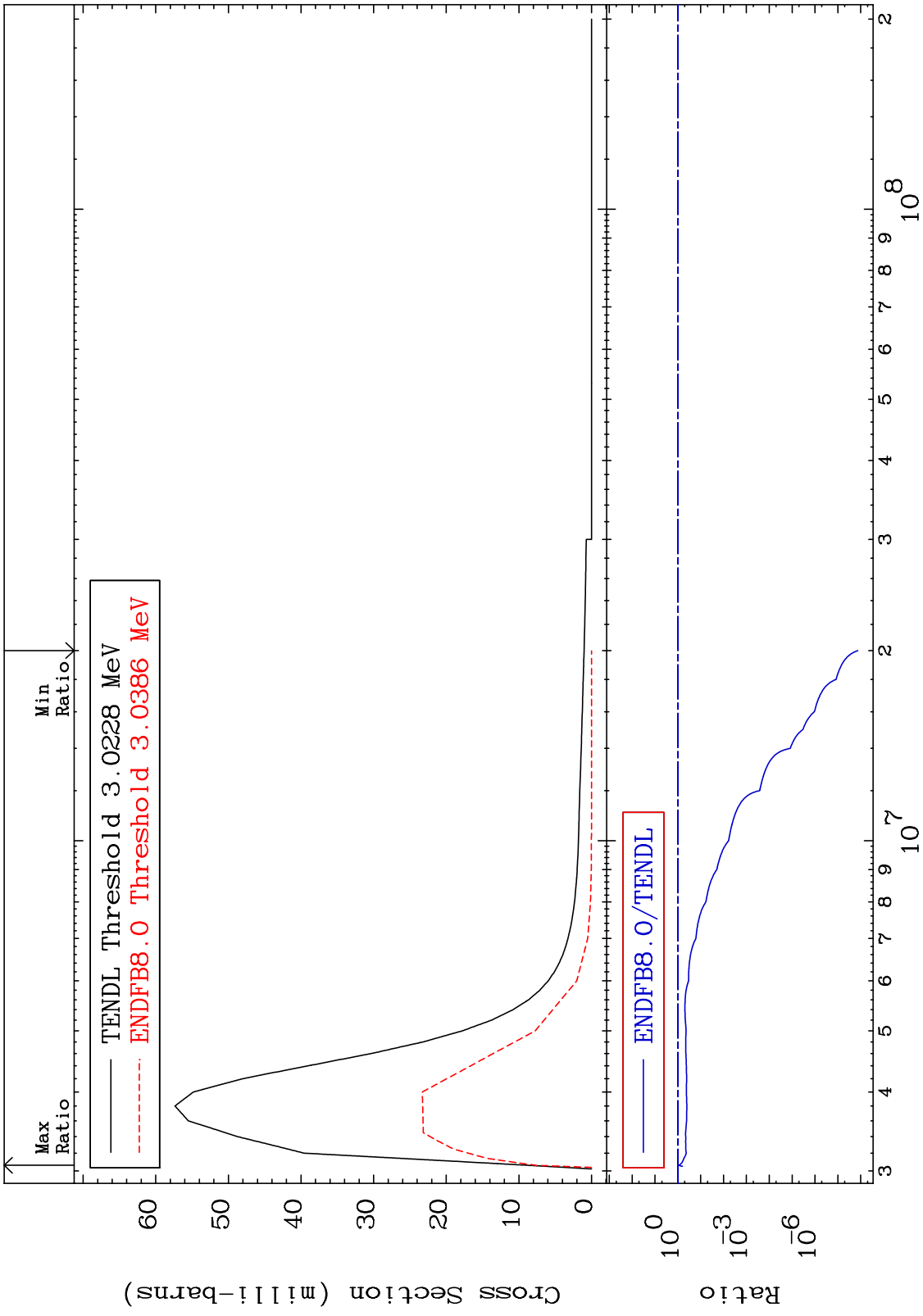
MAT 5837 MT= 64 (n,n') Level Cross Section 58-Ce-140 -100.0 To 68.21 %



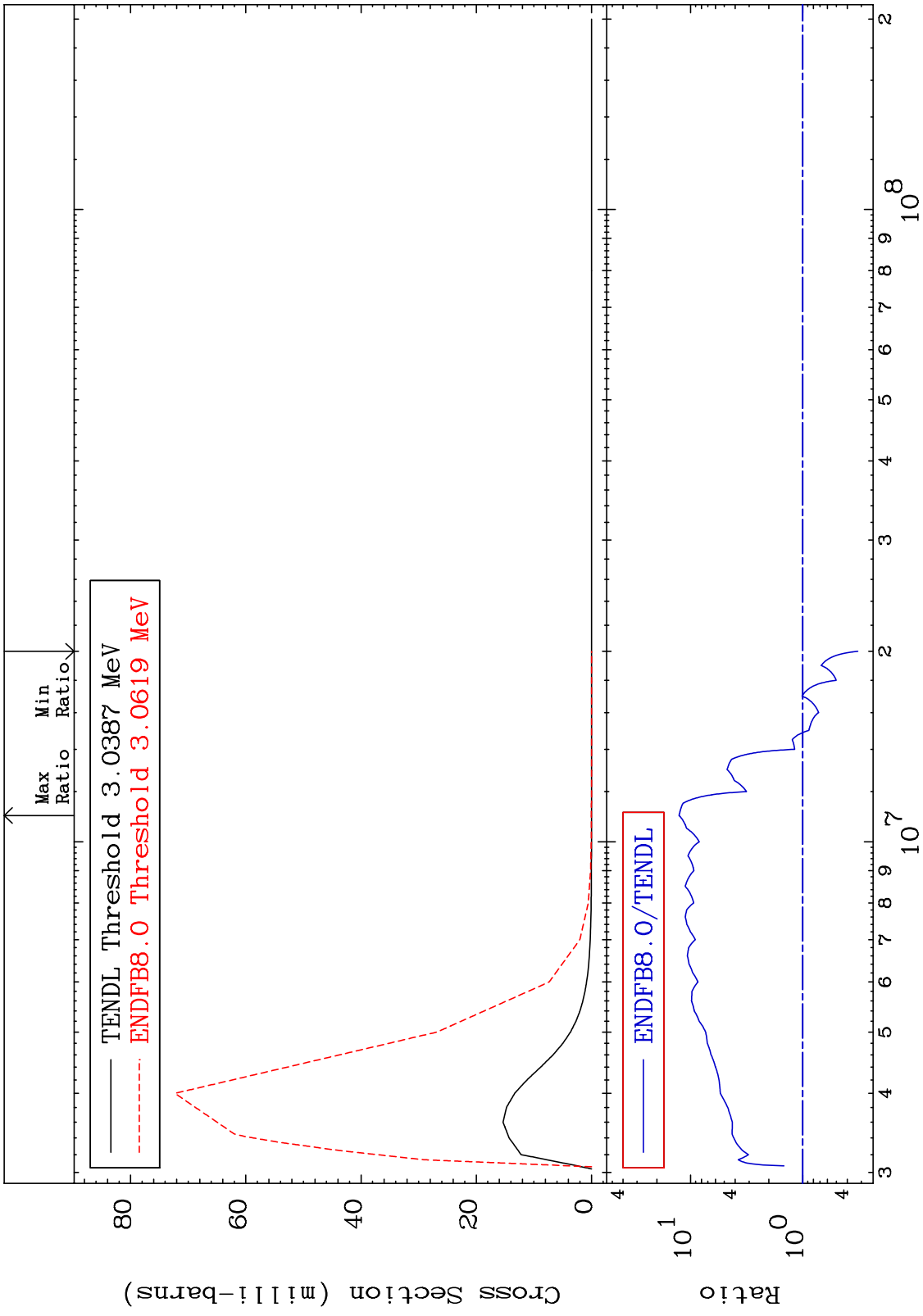
MAT 5837 MT= 65 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 74.95 %



MAT 5837 MT= 66 (n,n') Level Cross Section 58-Ce-140 -100.0 To -11.20%

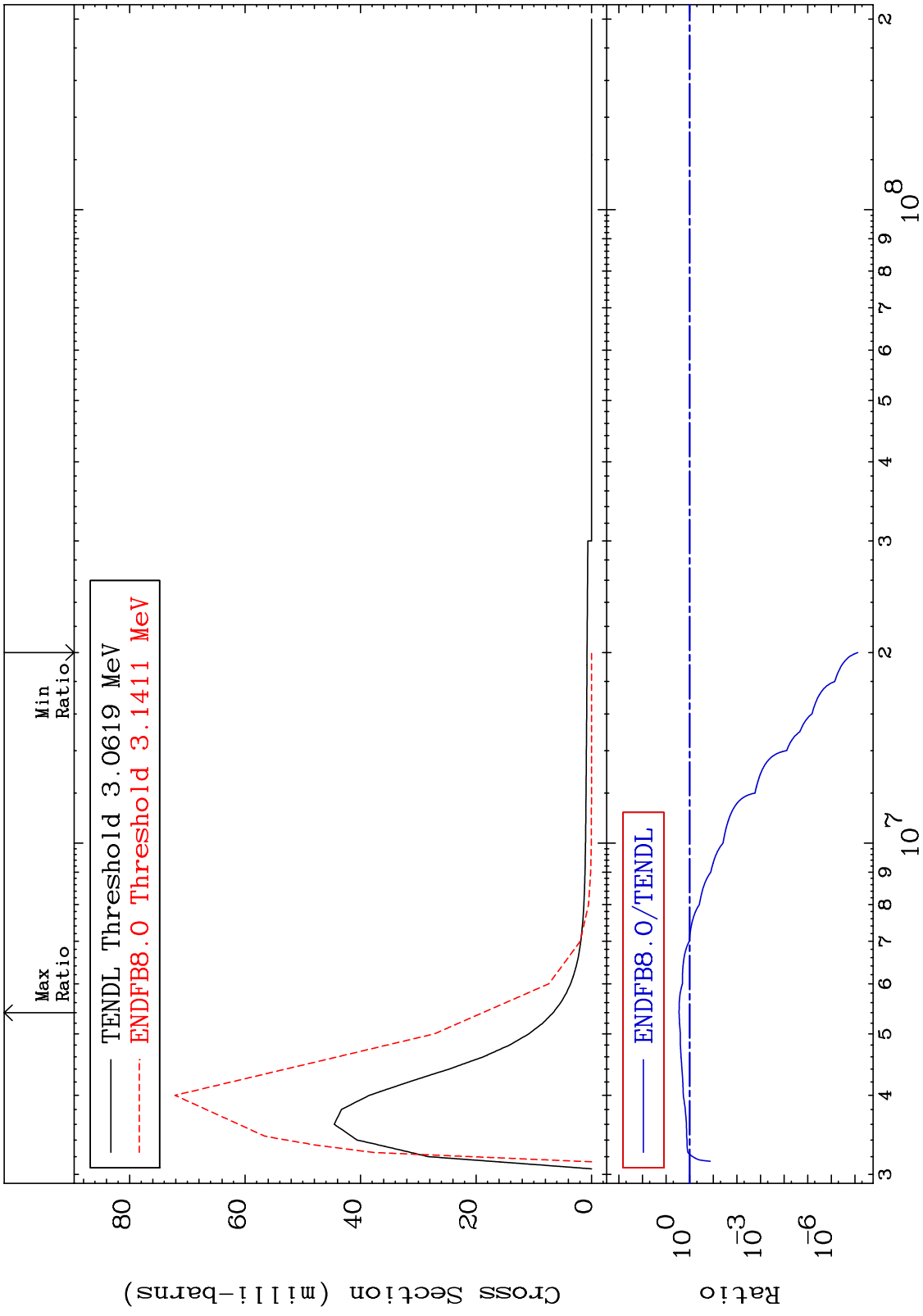


MAT 5837 MT= 67 (n,n') Level Cross Section 58-Ce-140
 -67.85 To 1167. %



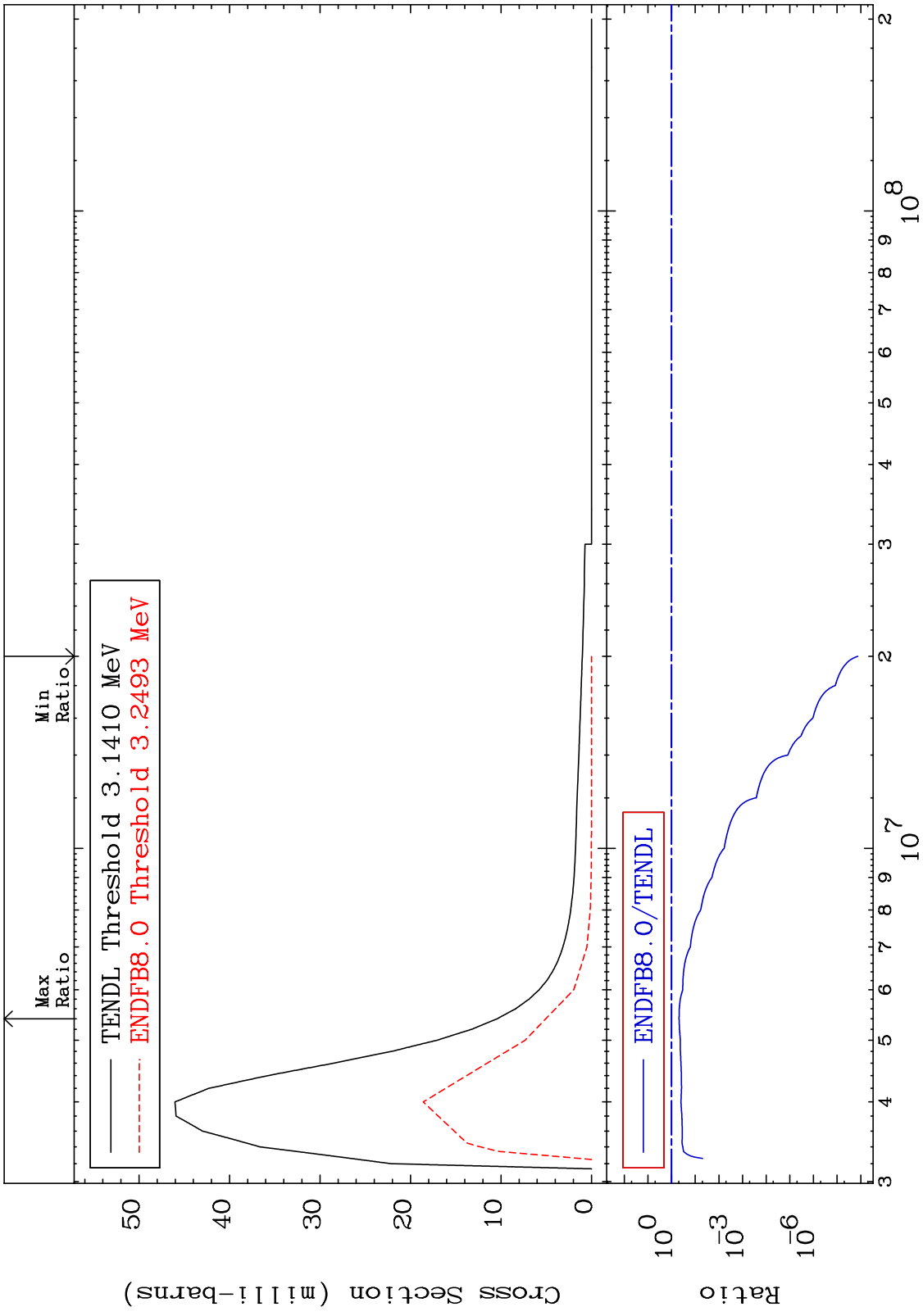
25 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 68 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 183.7 %

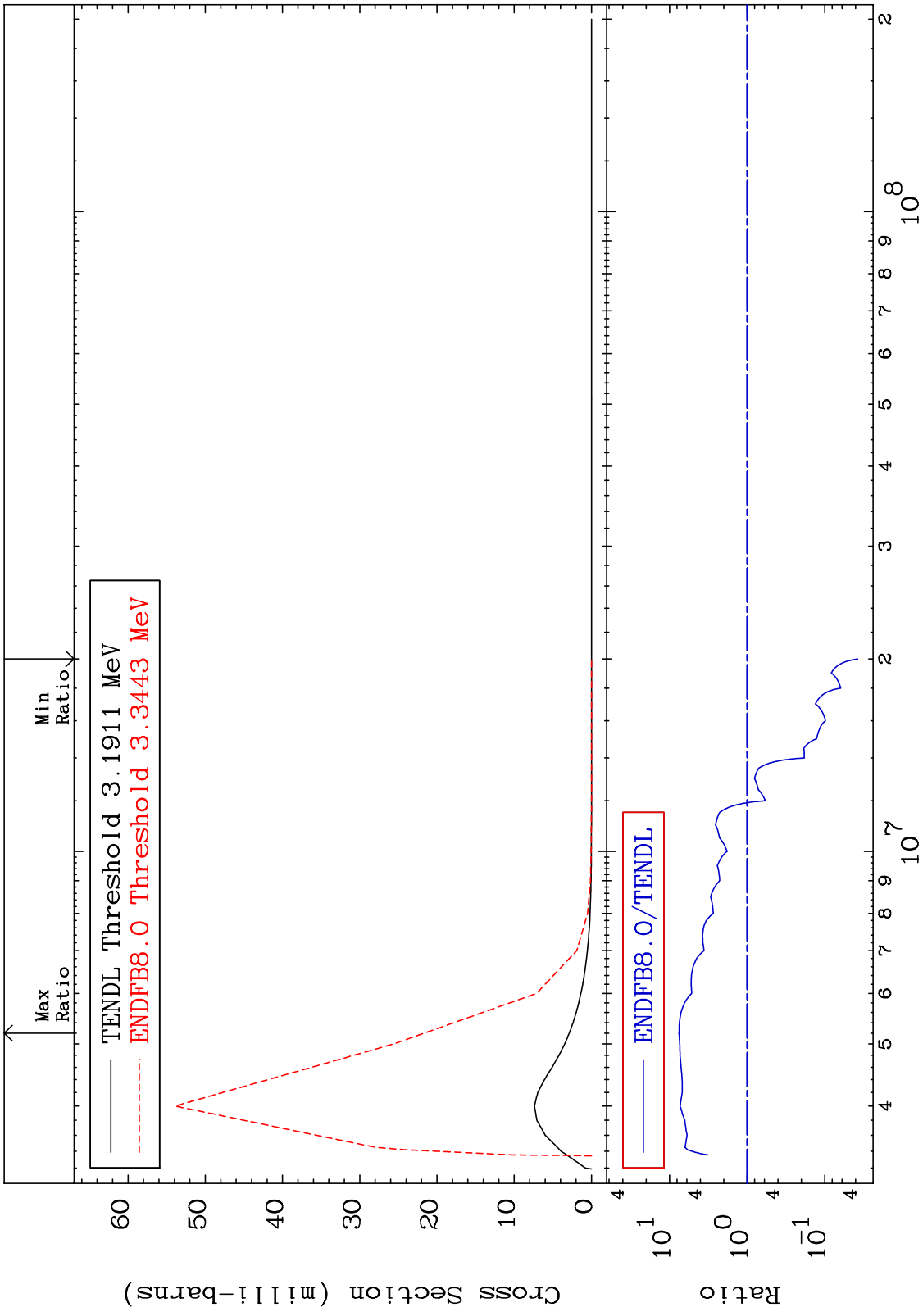


26 Incident Energy (eV) 58-Ce-140

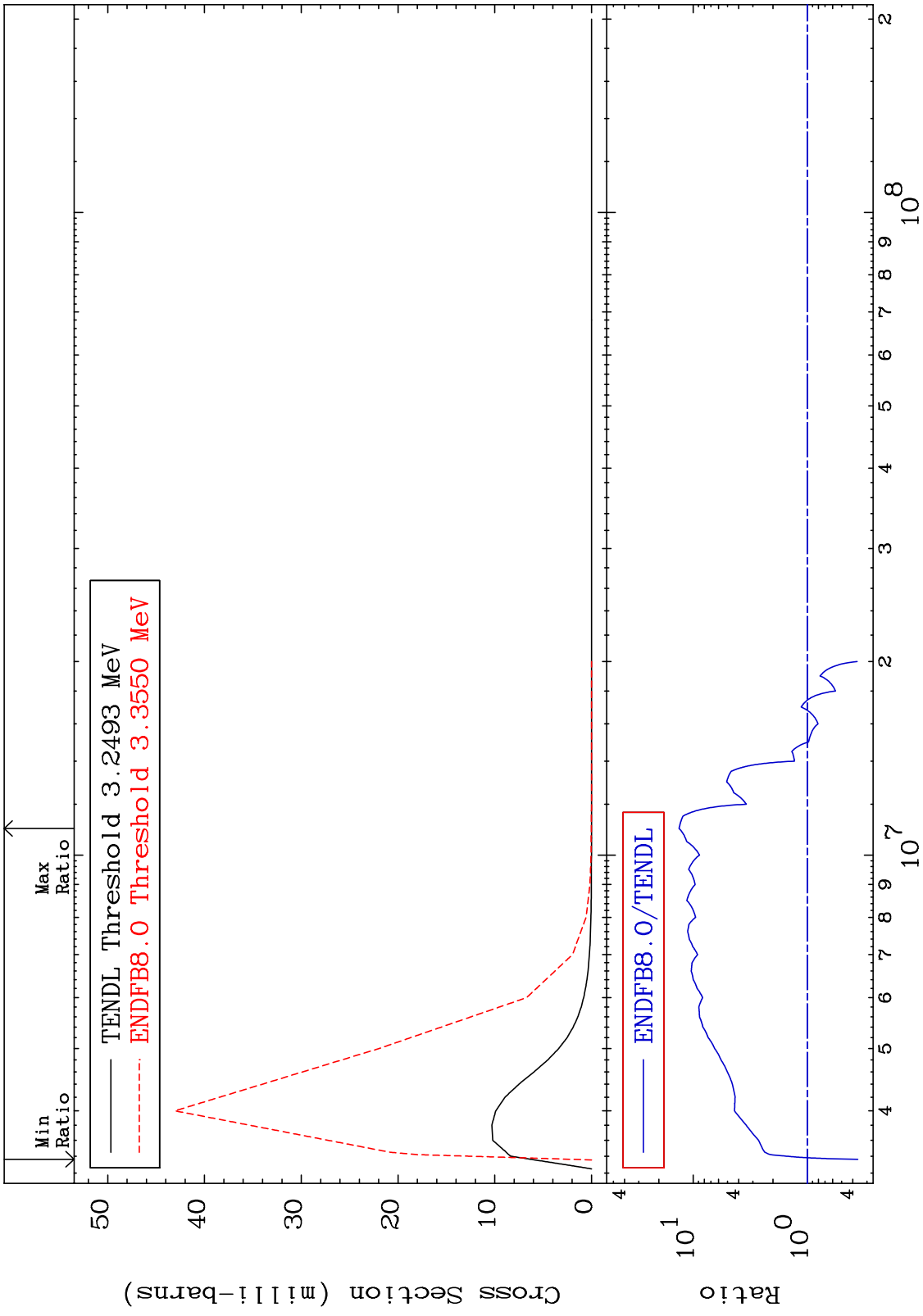
MAT 5837 MT= 69 (n,n') Level Cross Section 58-Ce-140 -100.0 To -51.51%



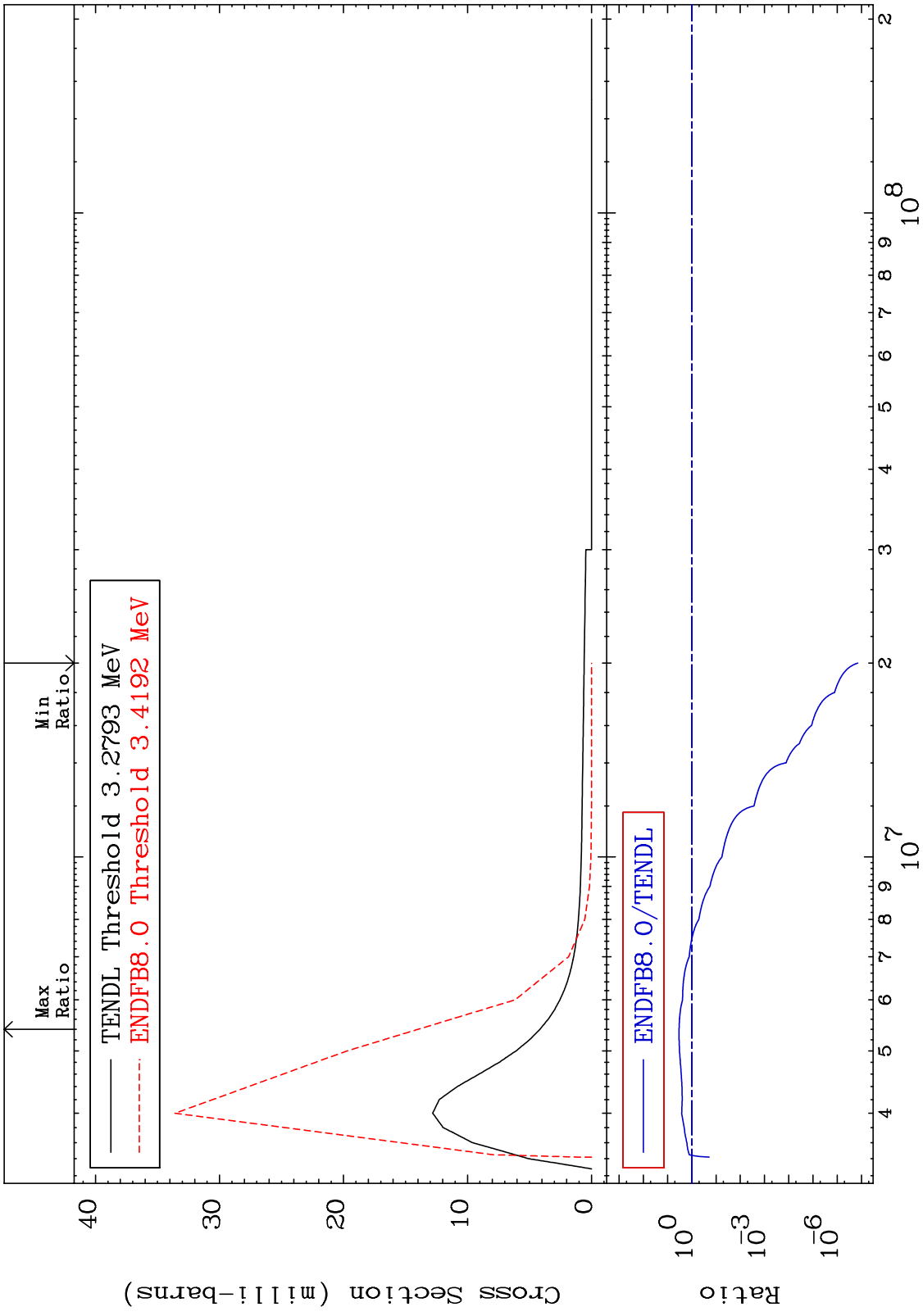
MAT 5837 MT= 70 (n,n') Level Cross Section 58-Ce-140
 -96.26 To 653.9 %



MAT 5837 MT= 71 (n,n') Level Cross Section 58-Ce-140 -63.93 To 1231. %

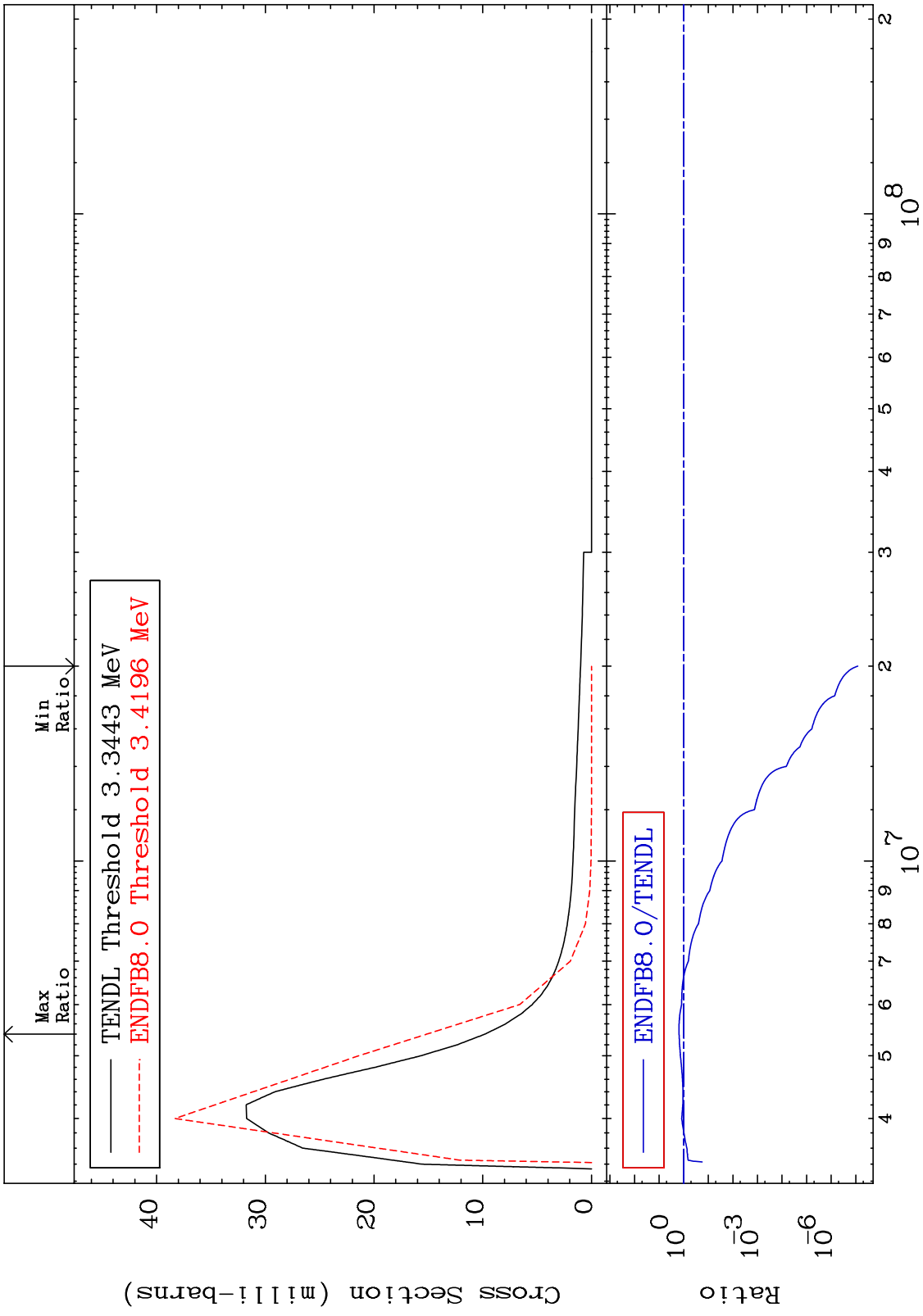


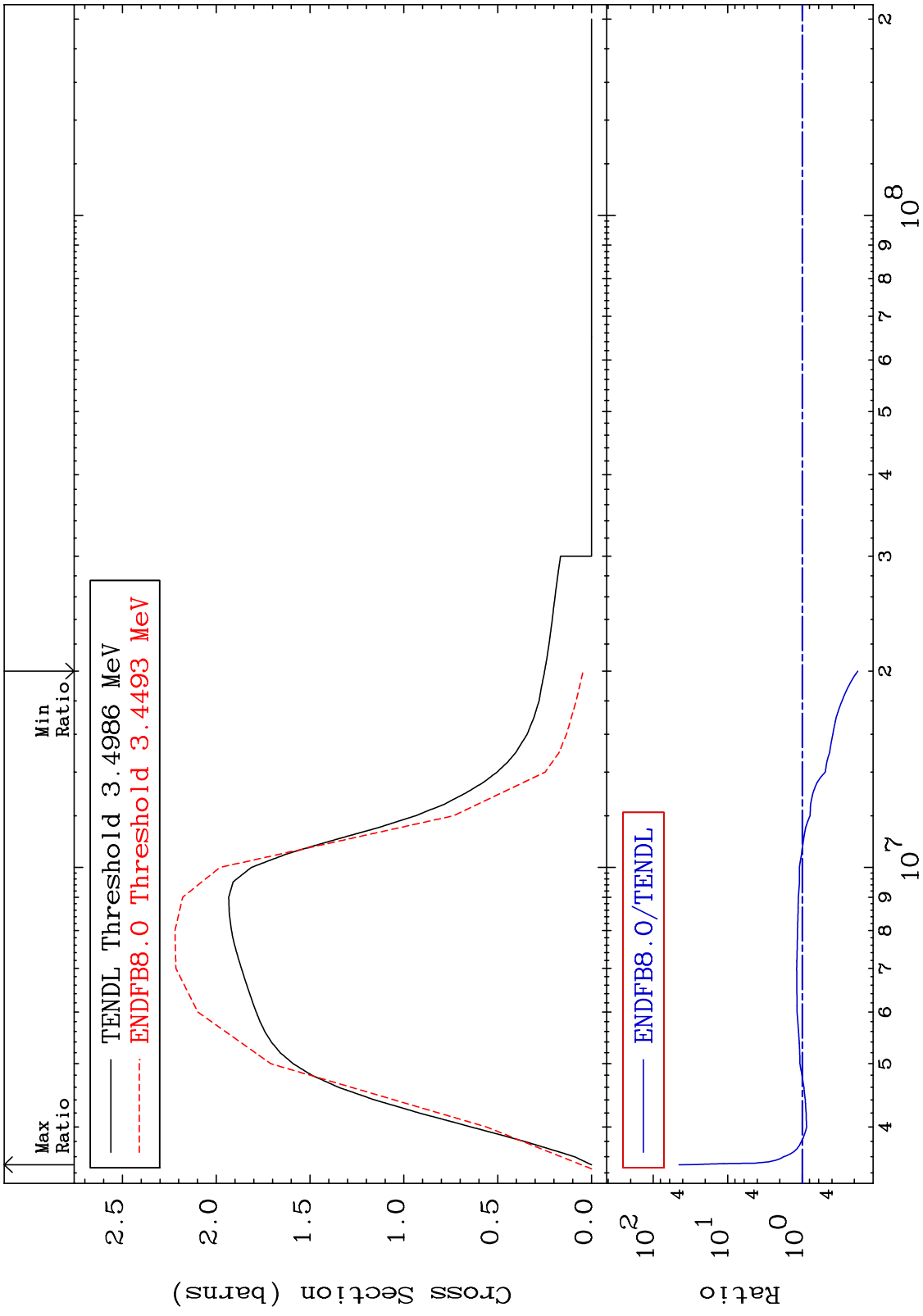
MAT 5837 MT= 72 (n,n') Level Cross Section 58-Ce-140 -100.0 To 236.6 %



30 Incident Energy (eV) 58-Ce-140

MAT 5837 MT= 73 (n,n') Level Cross Section 58-Ce-140 -100.0 To 54.72 %





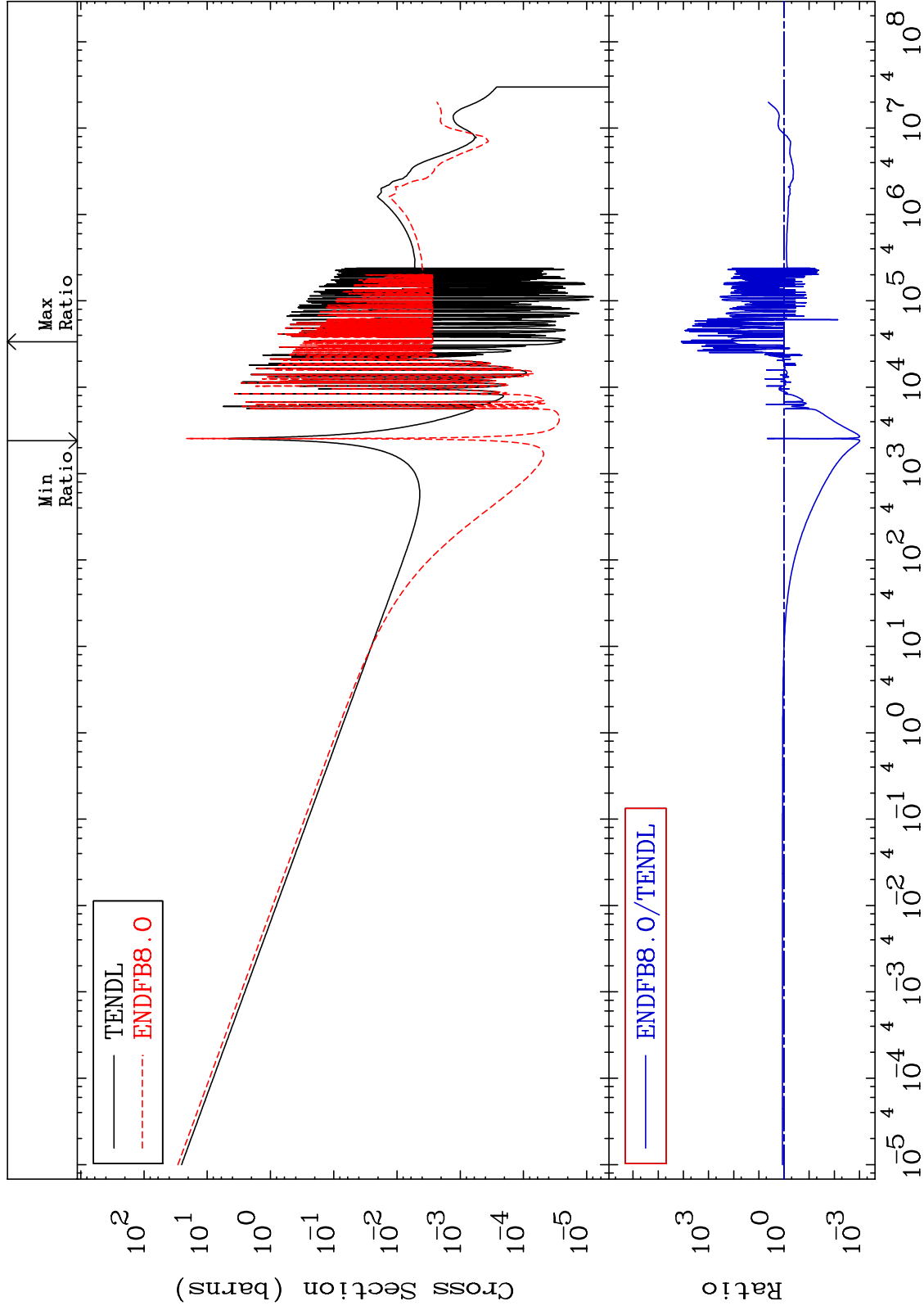
MAT 5837

(n, γ)

58-Ce-140

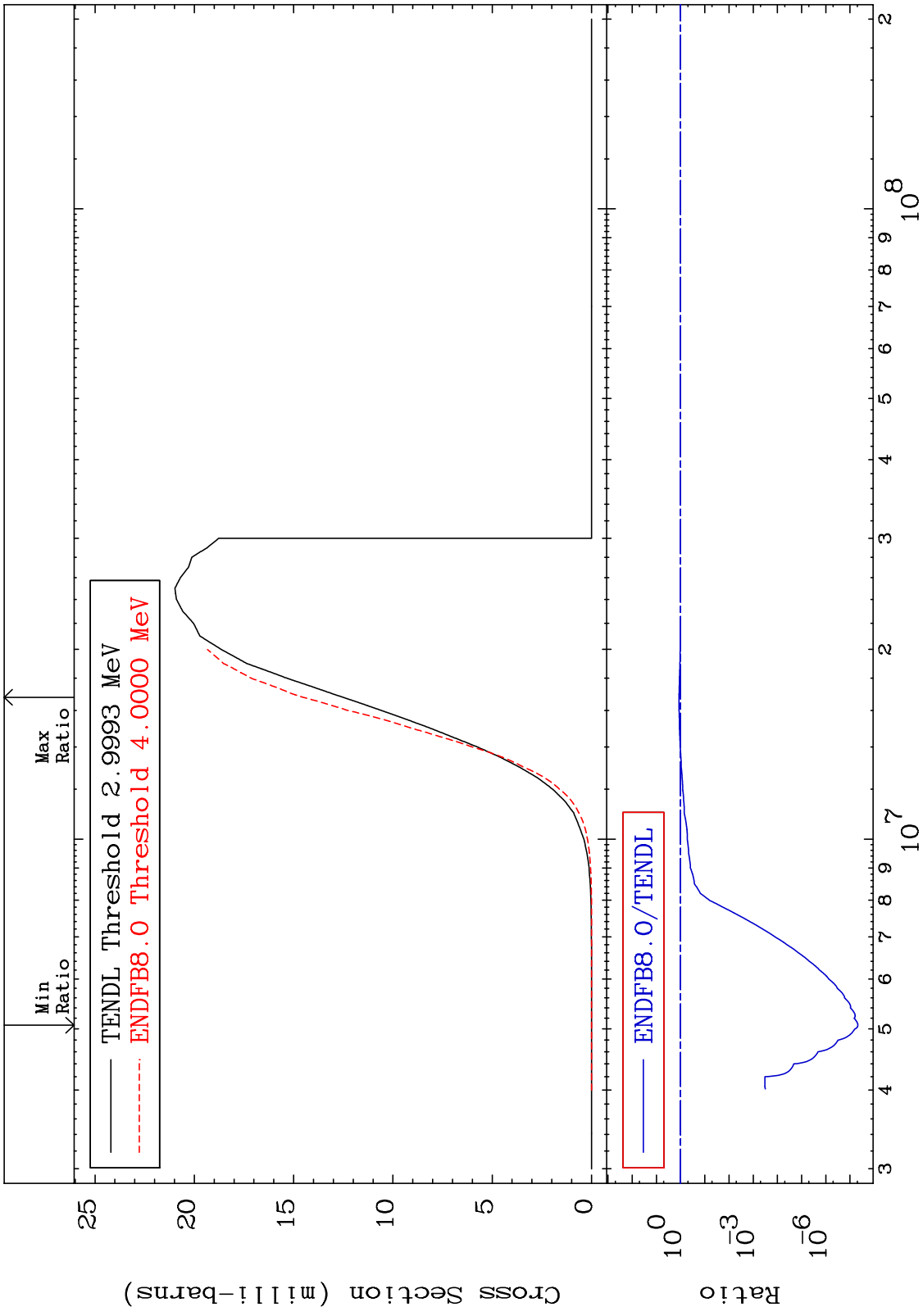
Cross Section

-99.90 To 9999. %



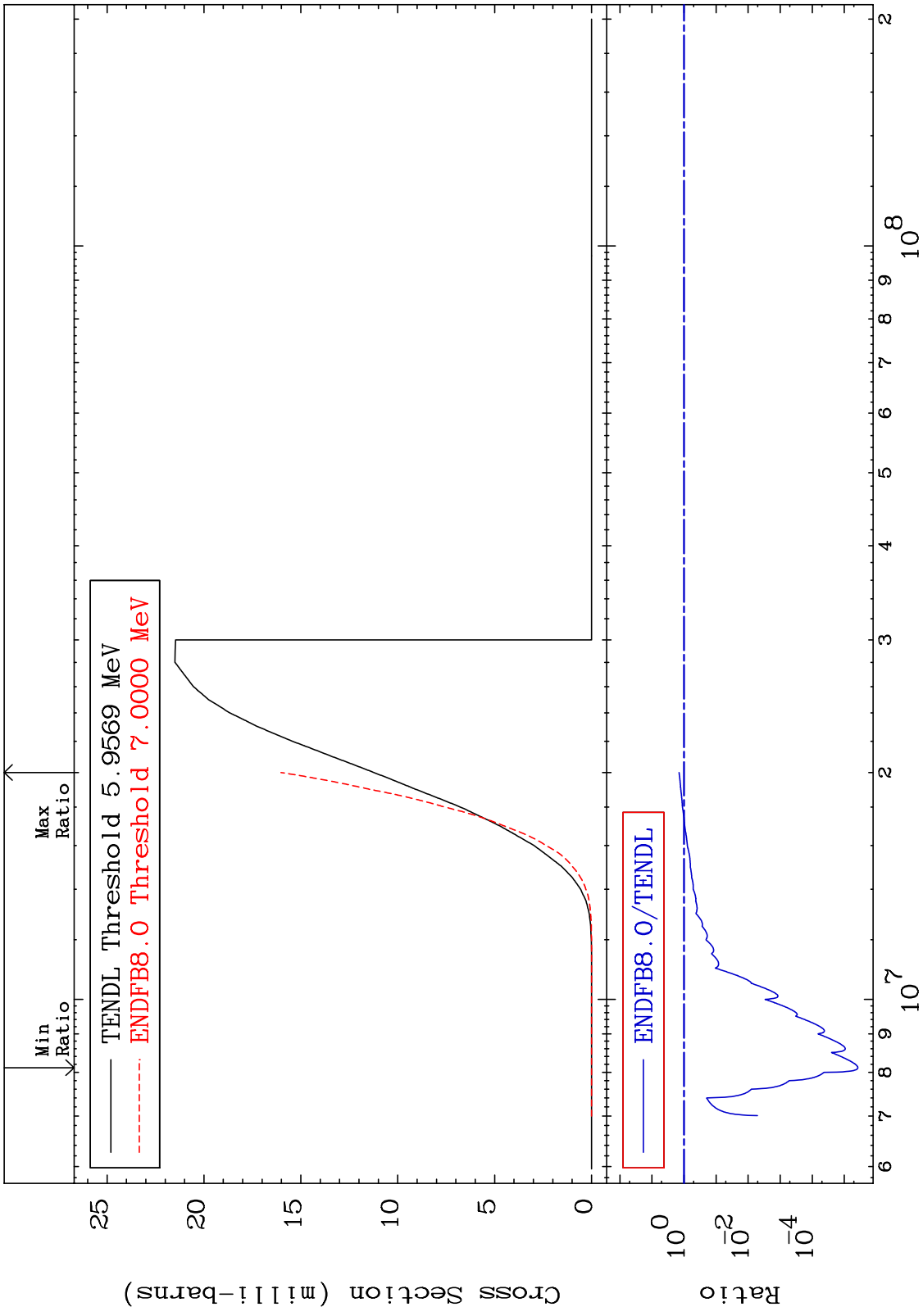
MAT 5837 58-Ce-140
-100.0 To 16.04 %

(n,p)
 Cross Section



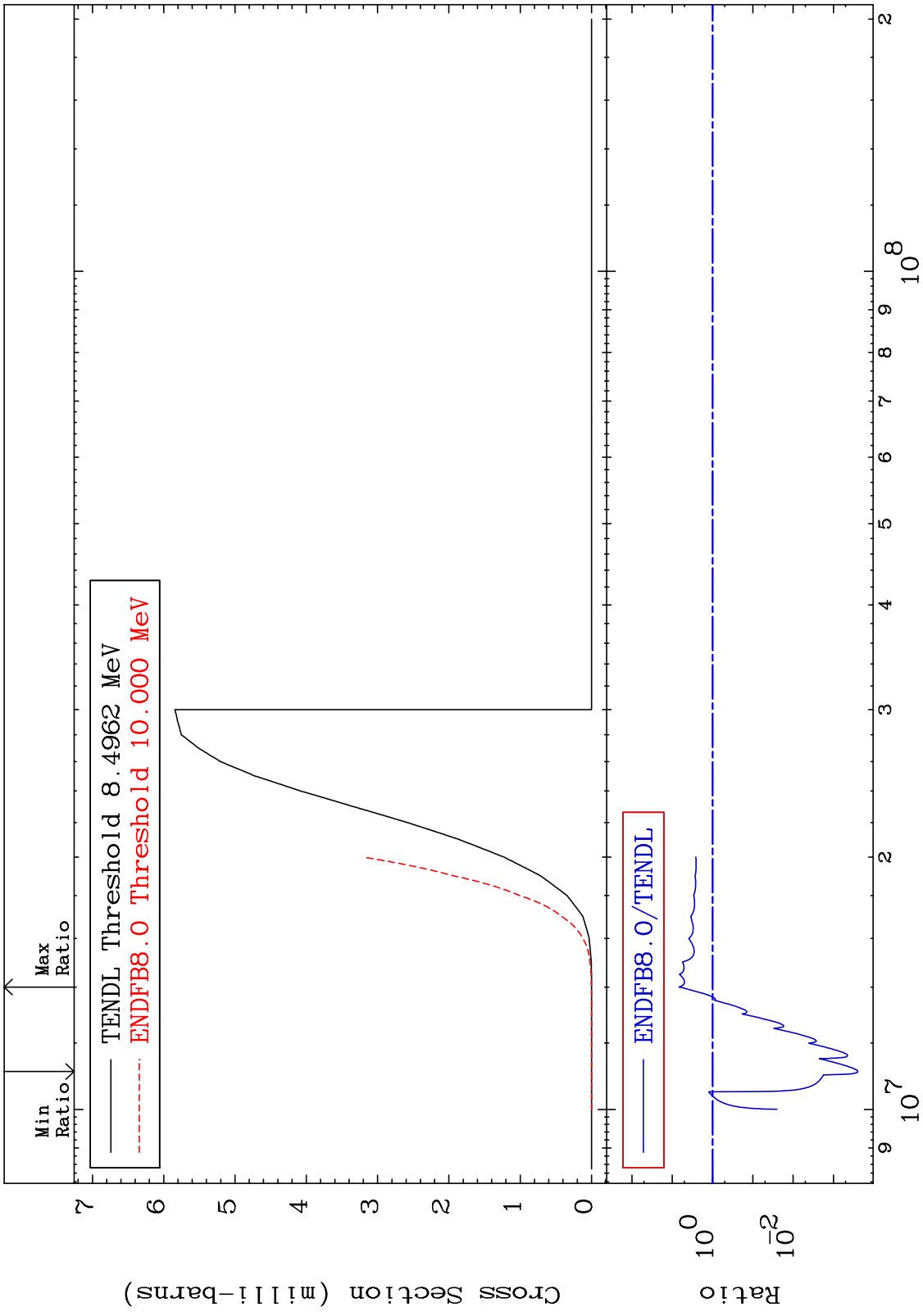
34 58-Ce-140

MAT 5837 (n,d) Cross Section 58-Ce-140 -100.0 To 42.72 %



35 58-Ce-140 Incident Energy (eV)

MAT 5837 (n,t) Cross Section 58-Ce-140 -99.98 To 578.9 %



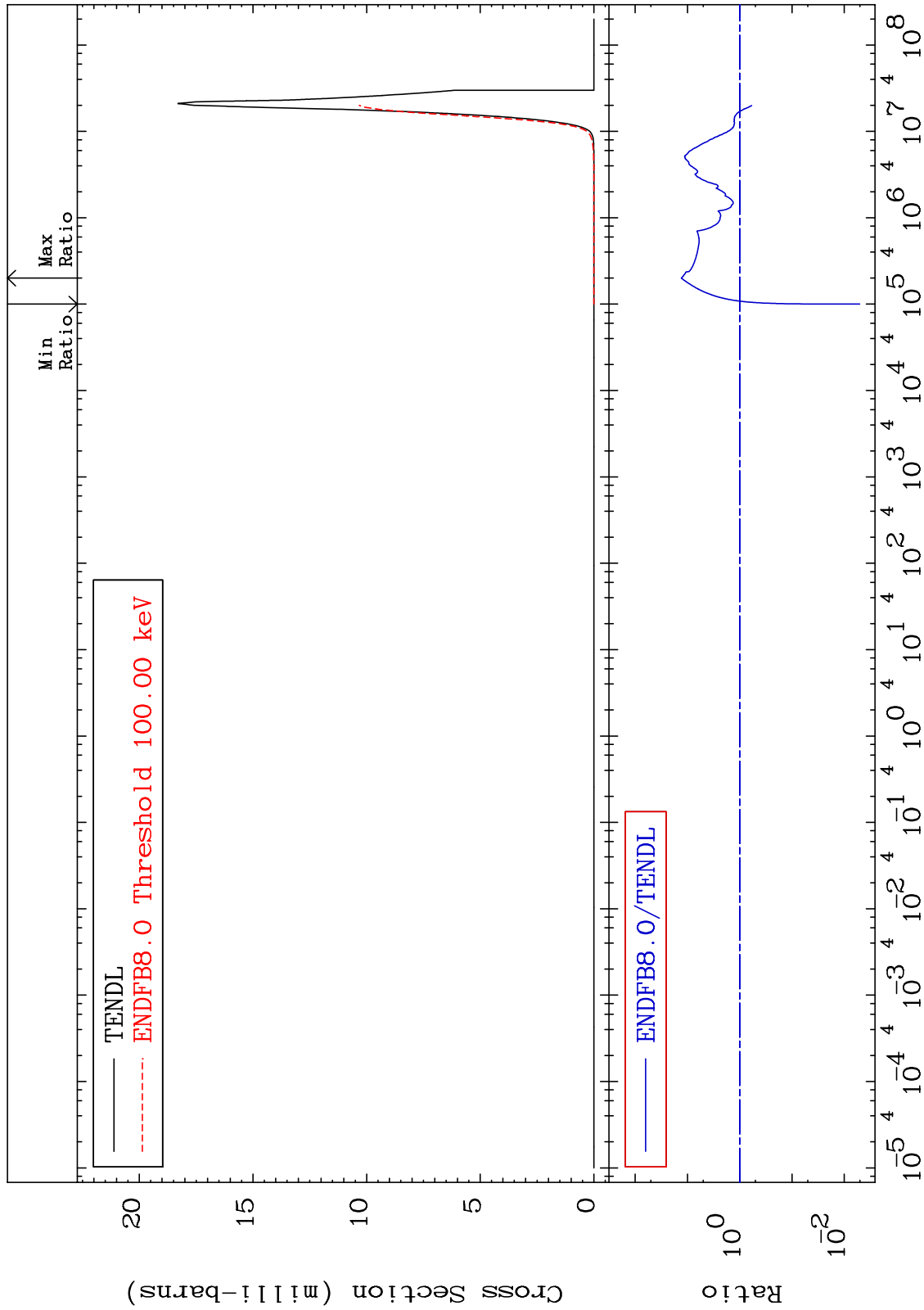
MAT 5837

(n, α)

58-Ce-140

Cross Section

-99.50 To 1215. %



37

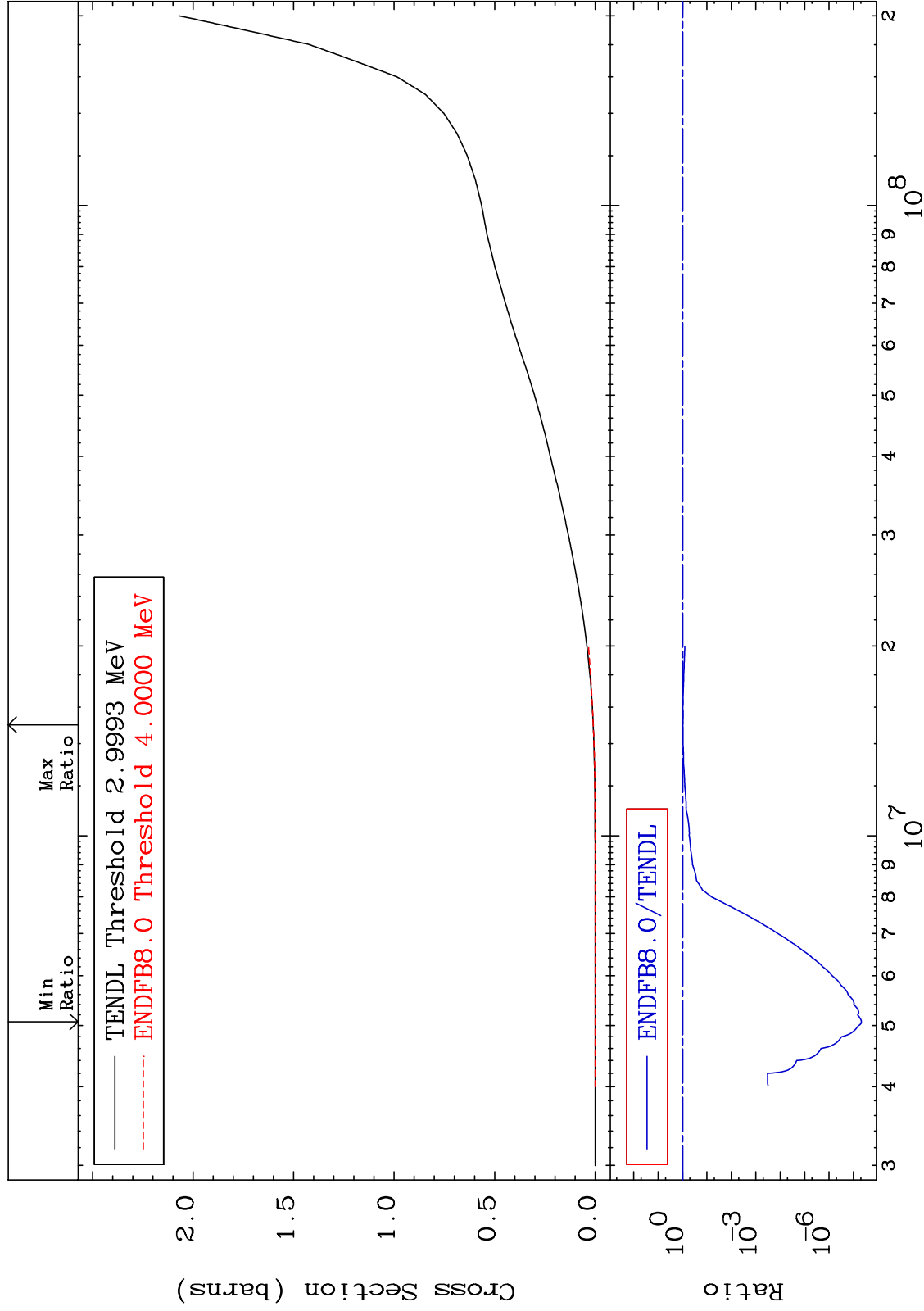
Incident Energy (eV)

58-Ce-140

MAT 5837

Hydrogen Production
Cross Section

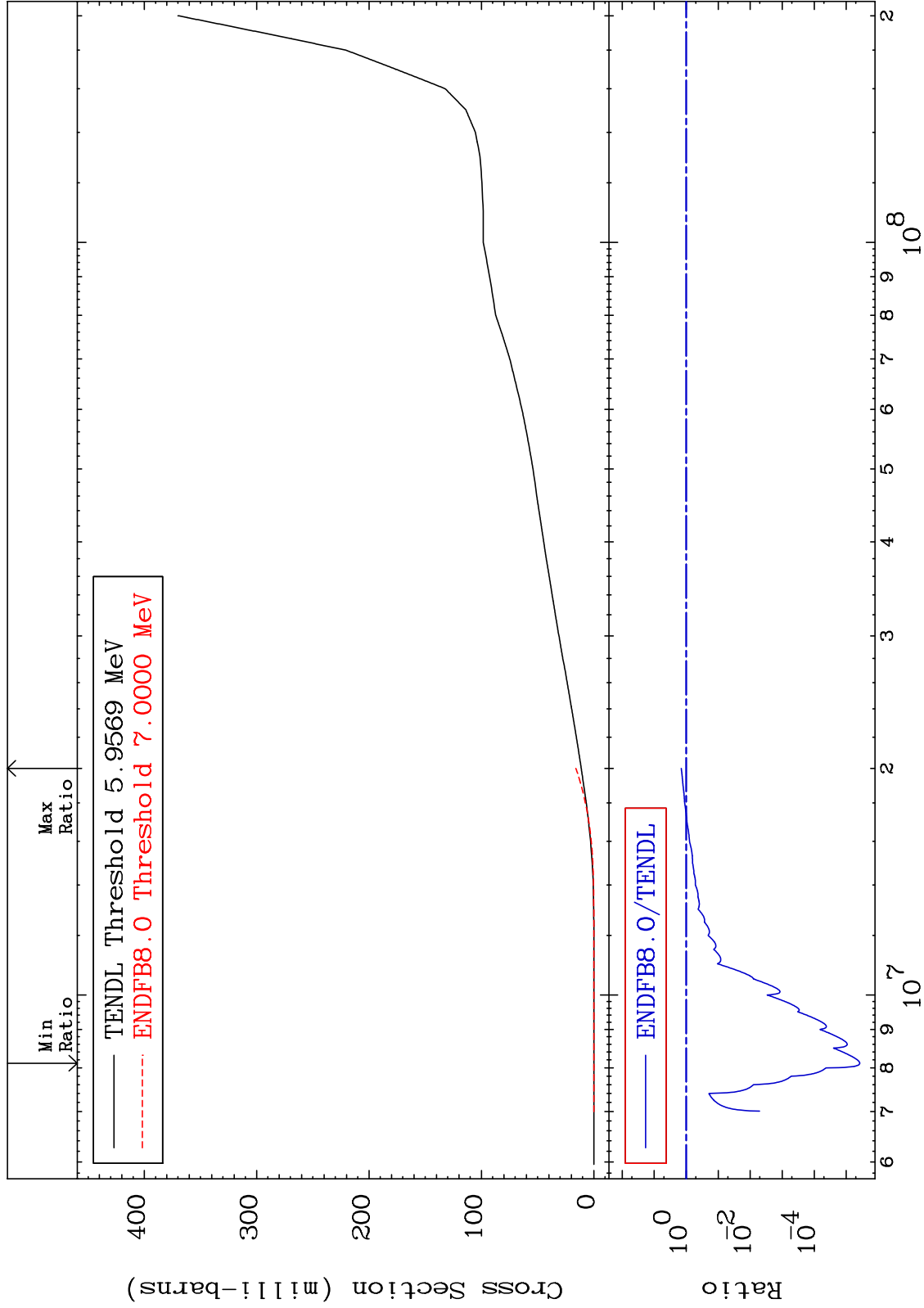
58-Ce-140
-100.0 To -1.283%



MAT 5837

Deuterium Production
Cross Section

58-Ce-140
-100.0 To 42.86 %



39

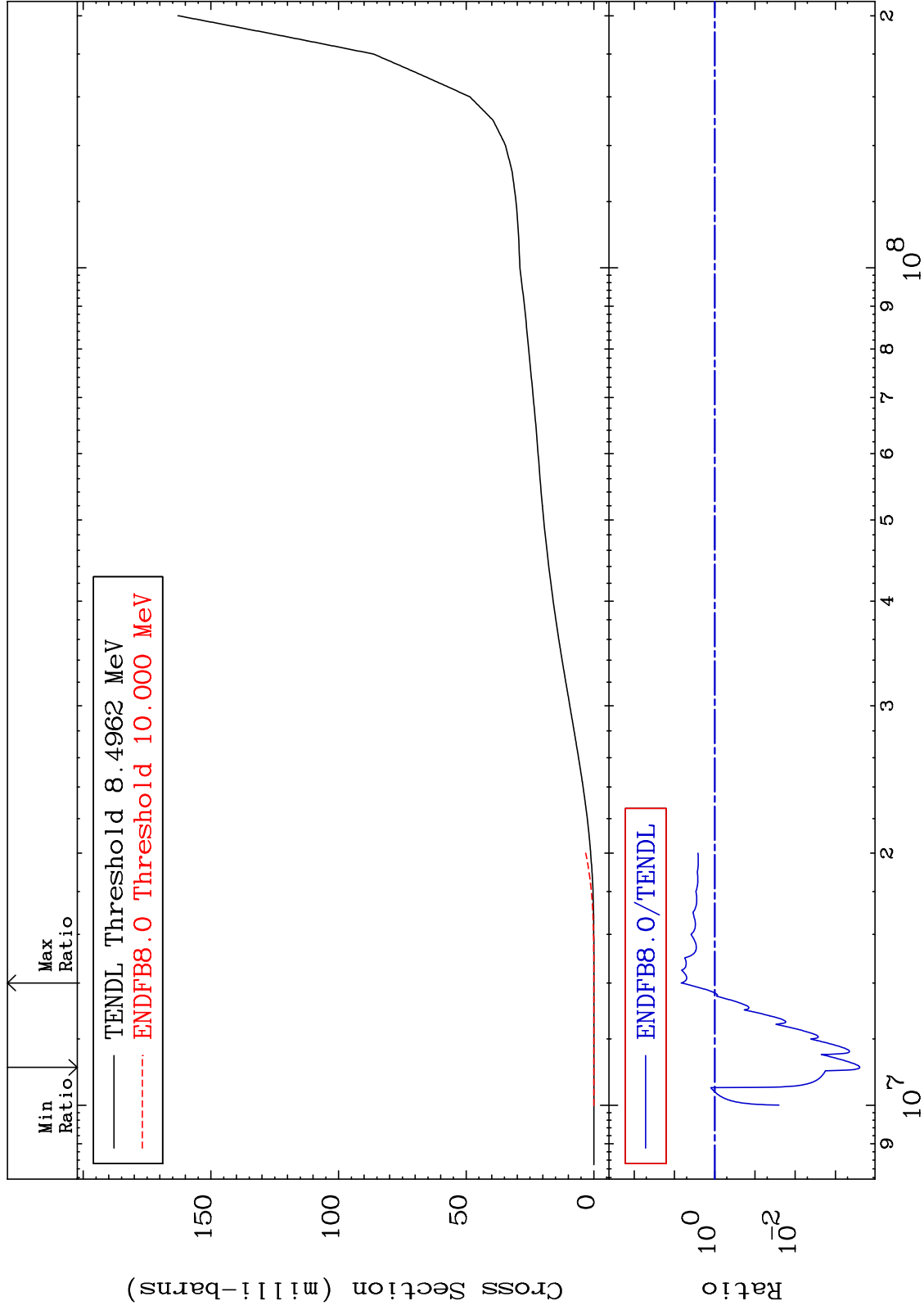
Incident Energy (eV)

58-Ce-140

MAT 5837

Tritium Production
Cross Section

58-Ce-140
-99.98 To 578.9 %



40

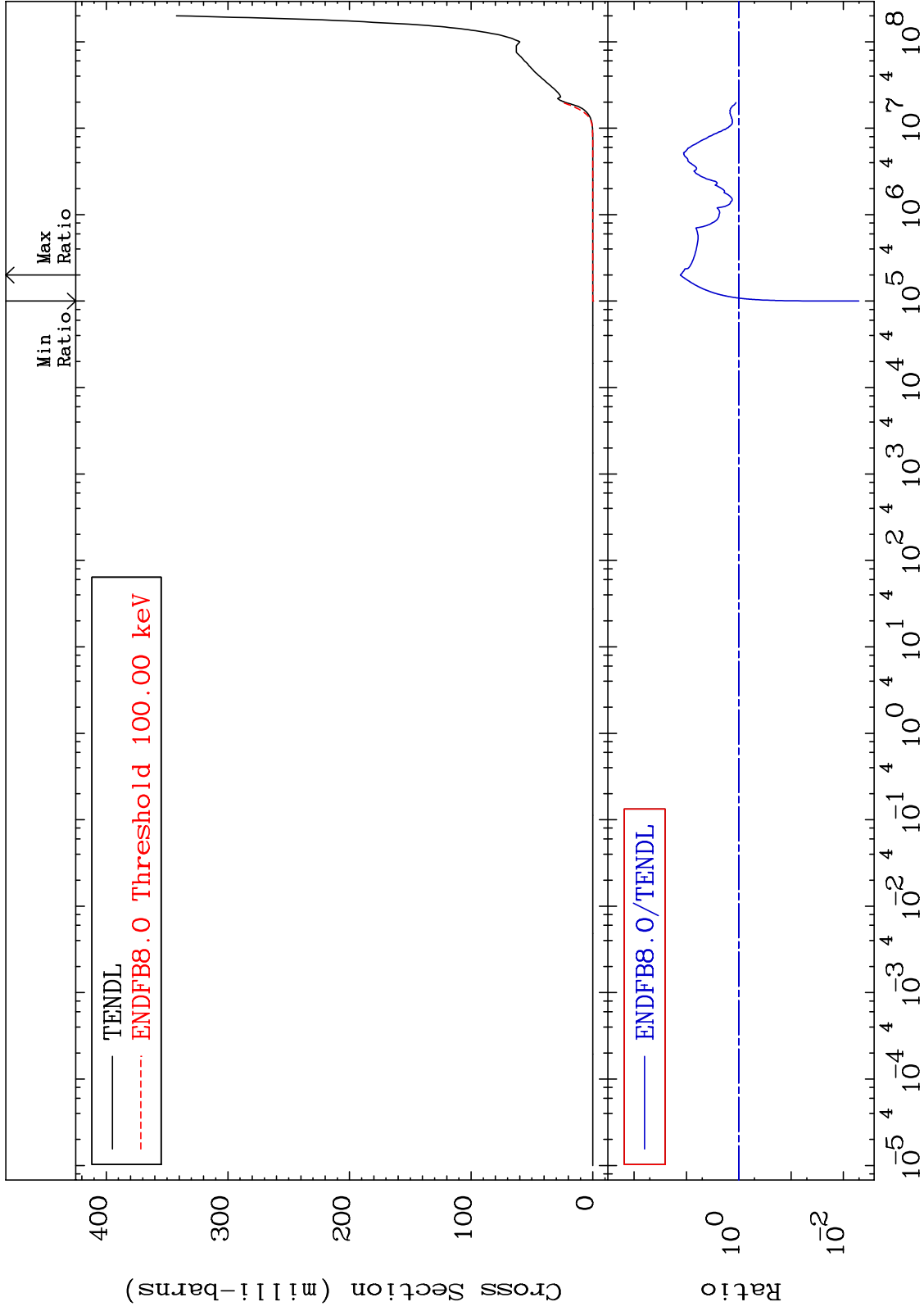
Incident Energy (eV)

58-Ce-140

MAT 5837

He-4 Production
Cross Section

58-Ce-140
-99.50 To 1215. %

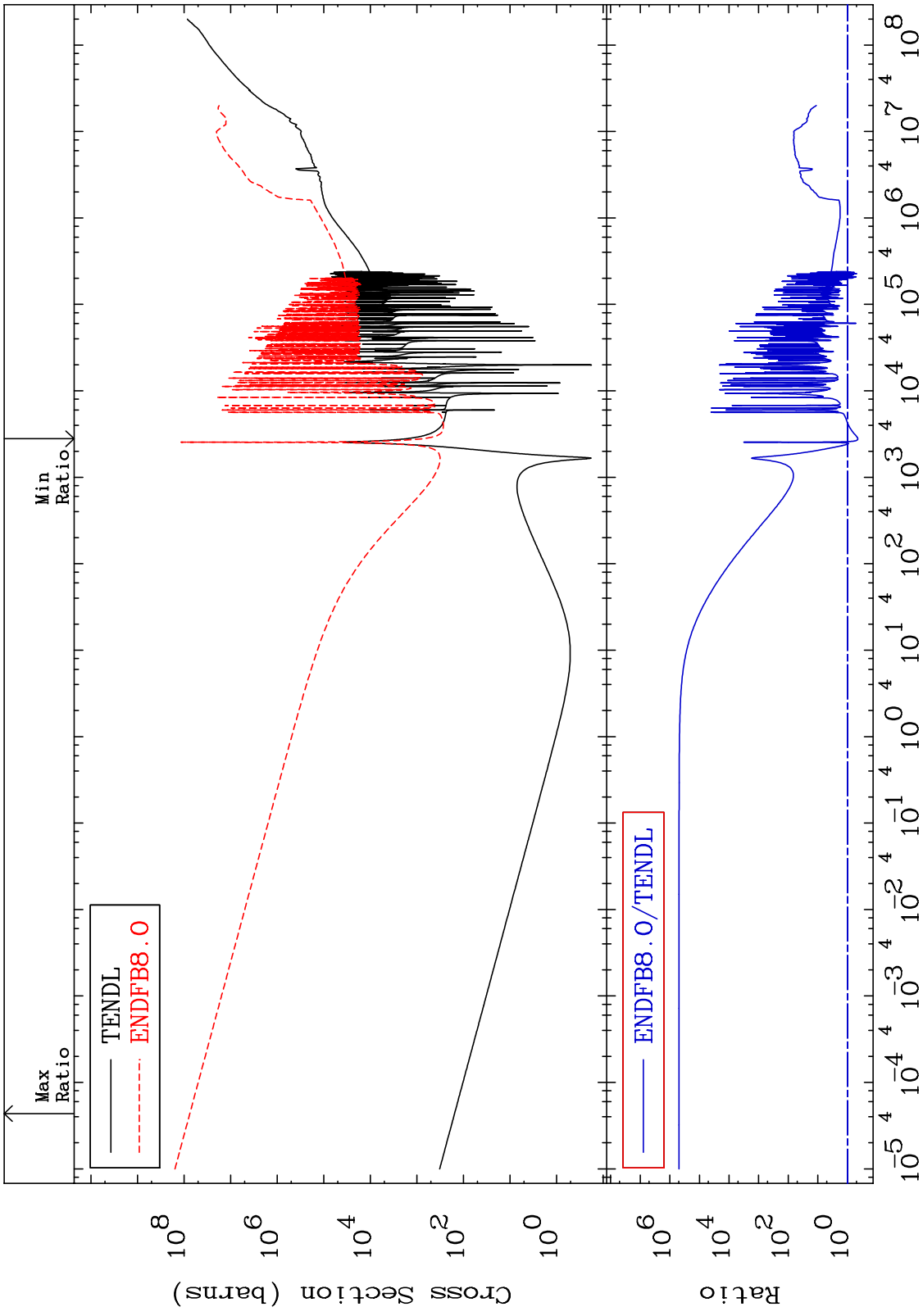


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Incident Energy (eV)

58-Ce-140

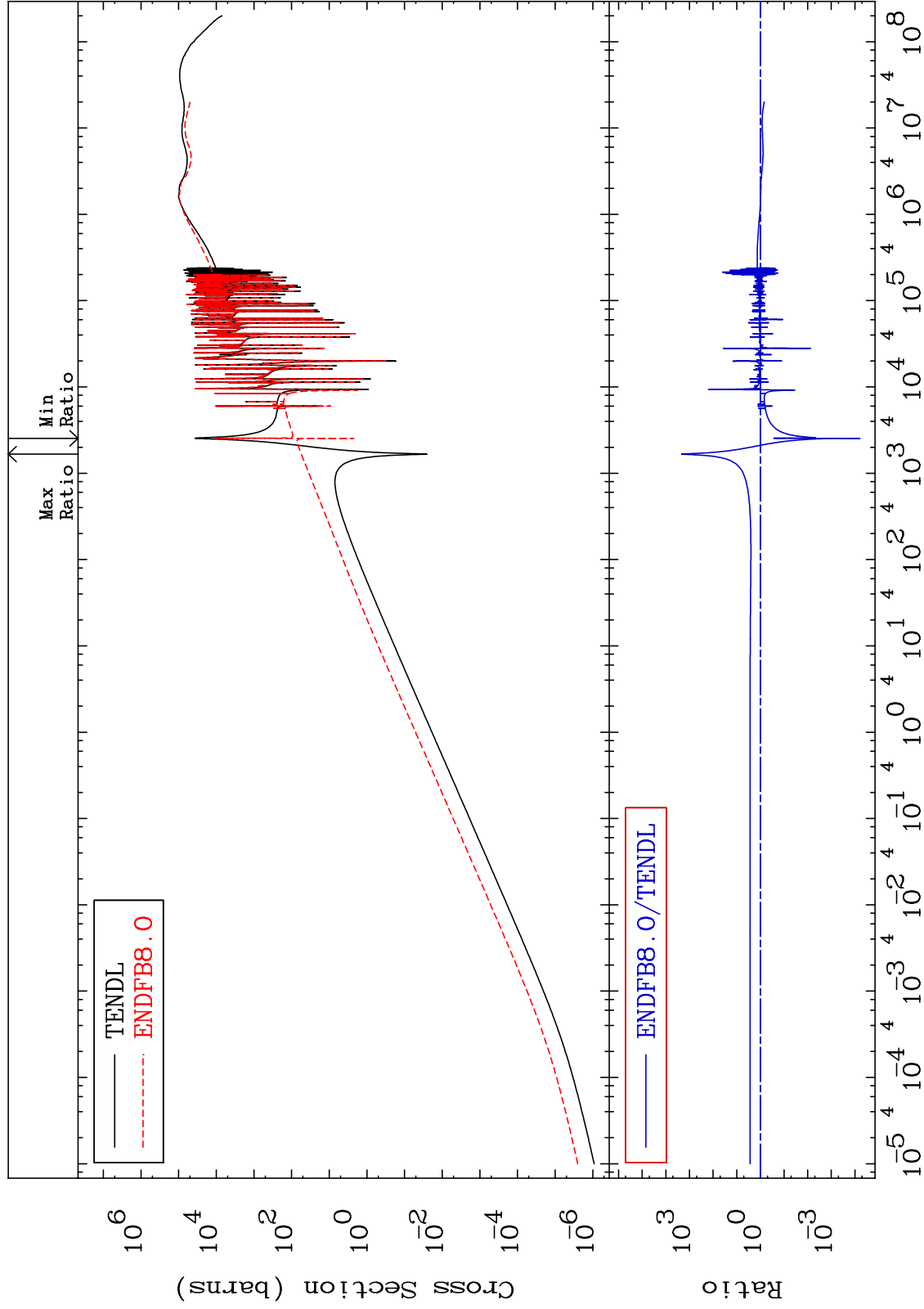
MAT 5837 Kerma total (eV-barns) 58-Ce-140
 Cross Section -55.19 To 9999. %



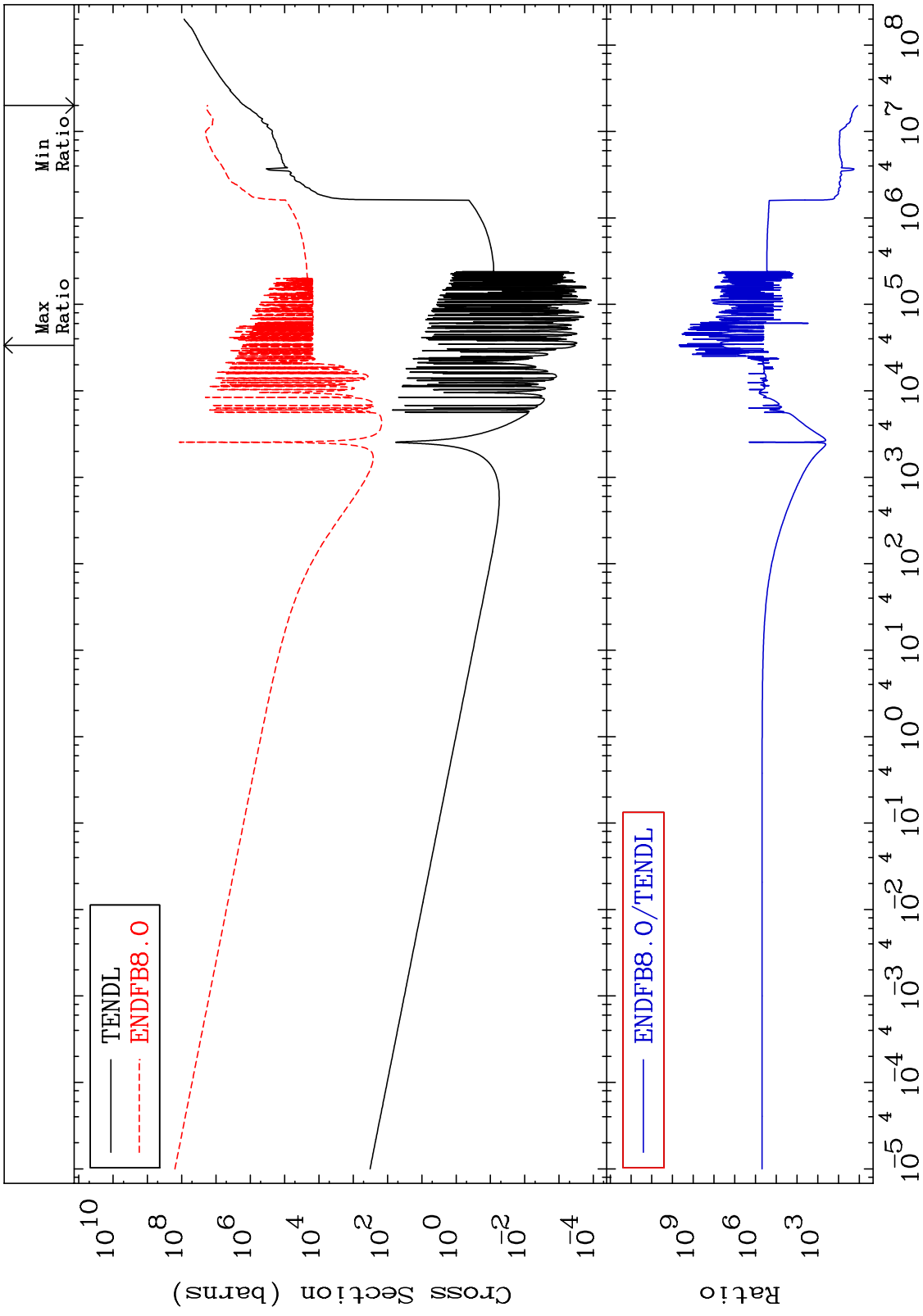
MAT 5837

Kerma elastic
Cross Section

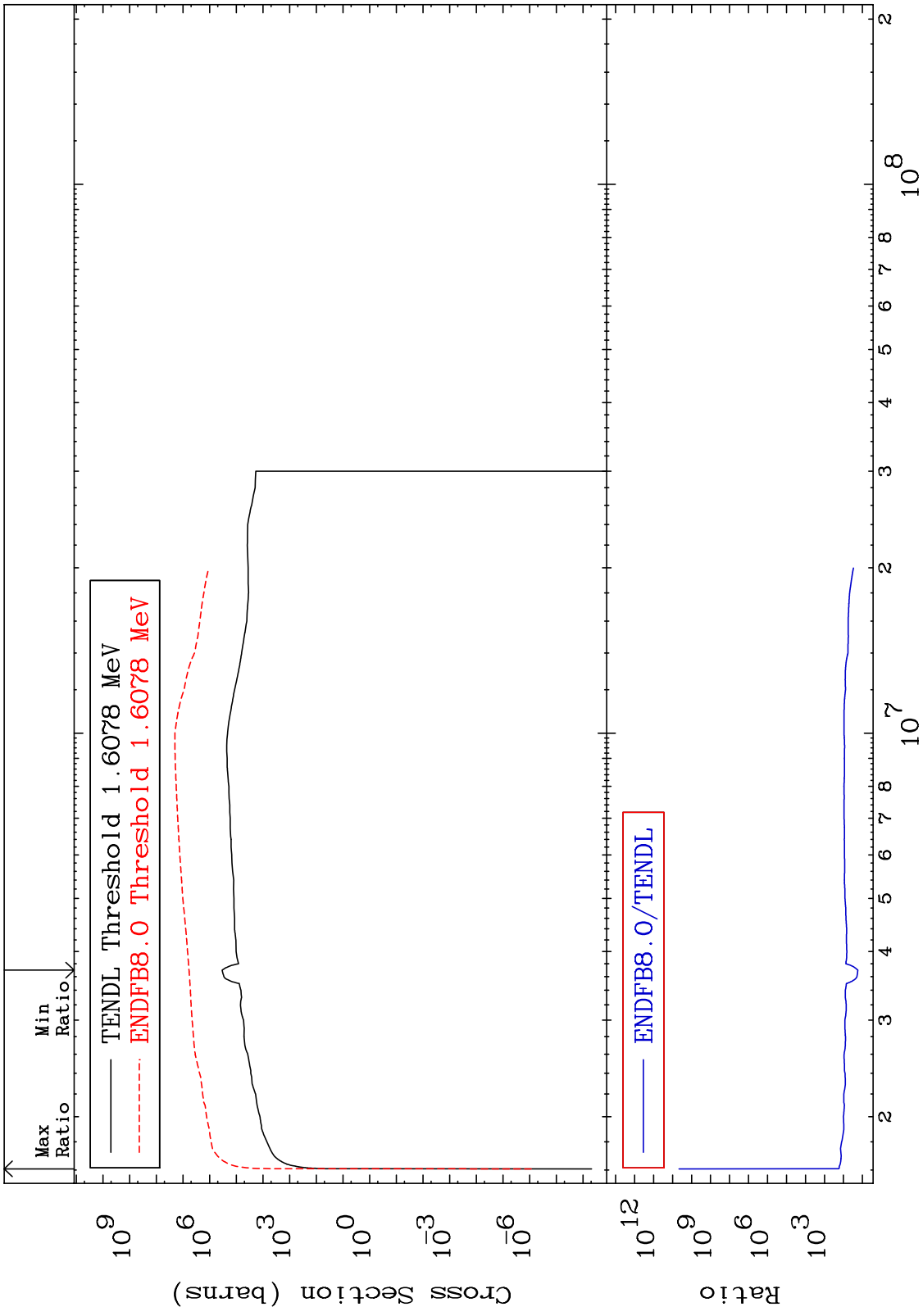
58-Ce-140
-99.99 To 9999. %



MAT 5837 Kerma non-elastic (all but mt2) 58-Ce-140
 Cross Section 1080. To 9999. %



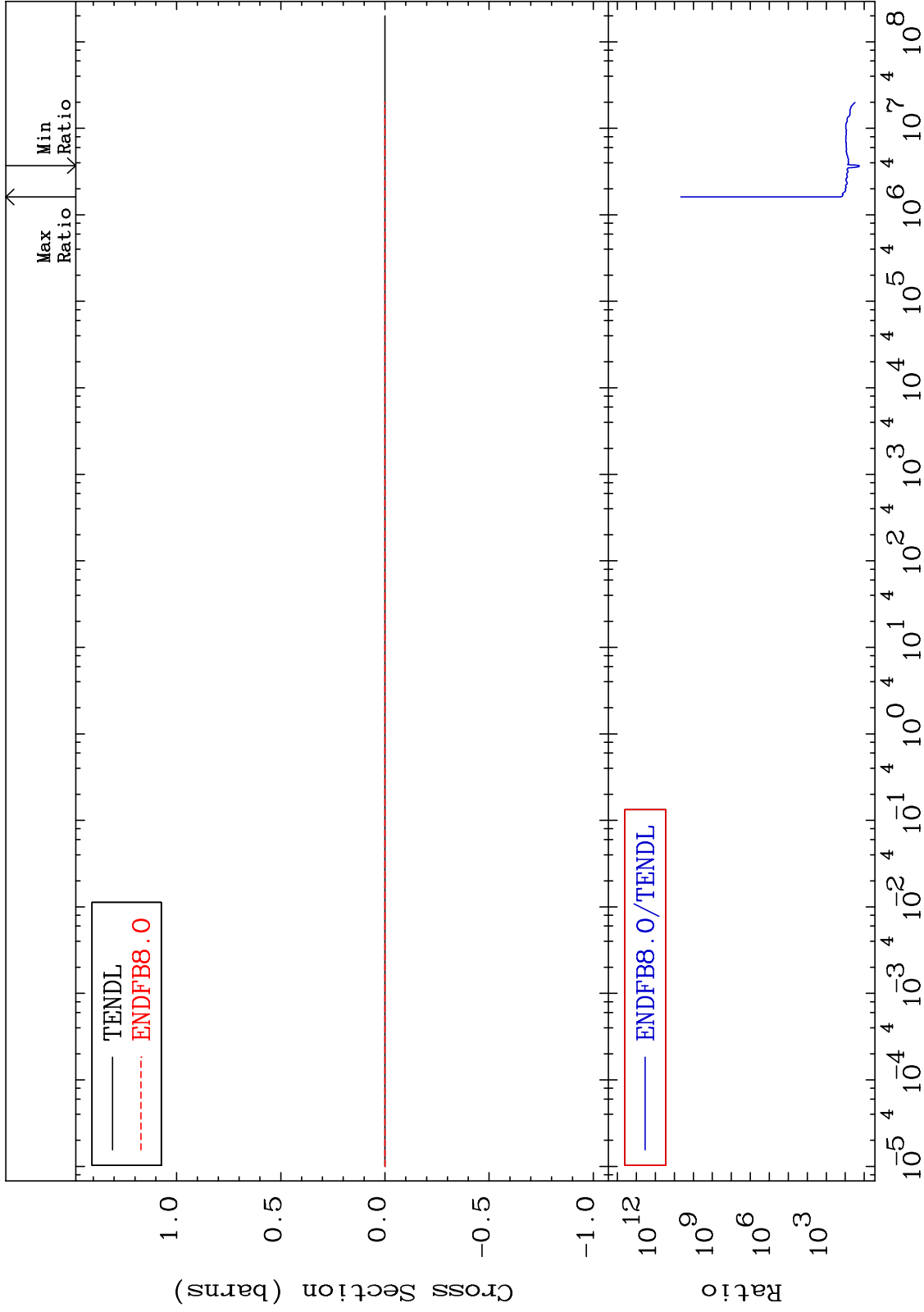
MAT 5837 Kerma inelastic (mt51-91) 58-Ce-140
 Cross Section 1647. To 9999. %



MAT 5837

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

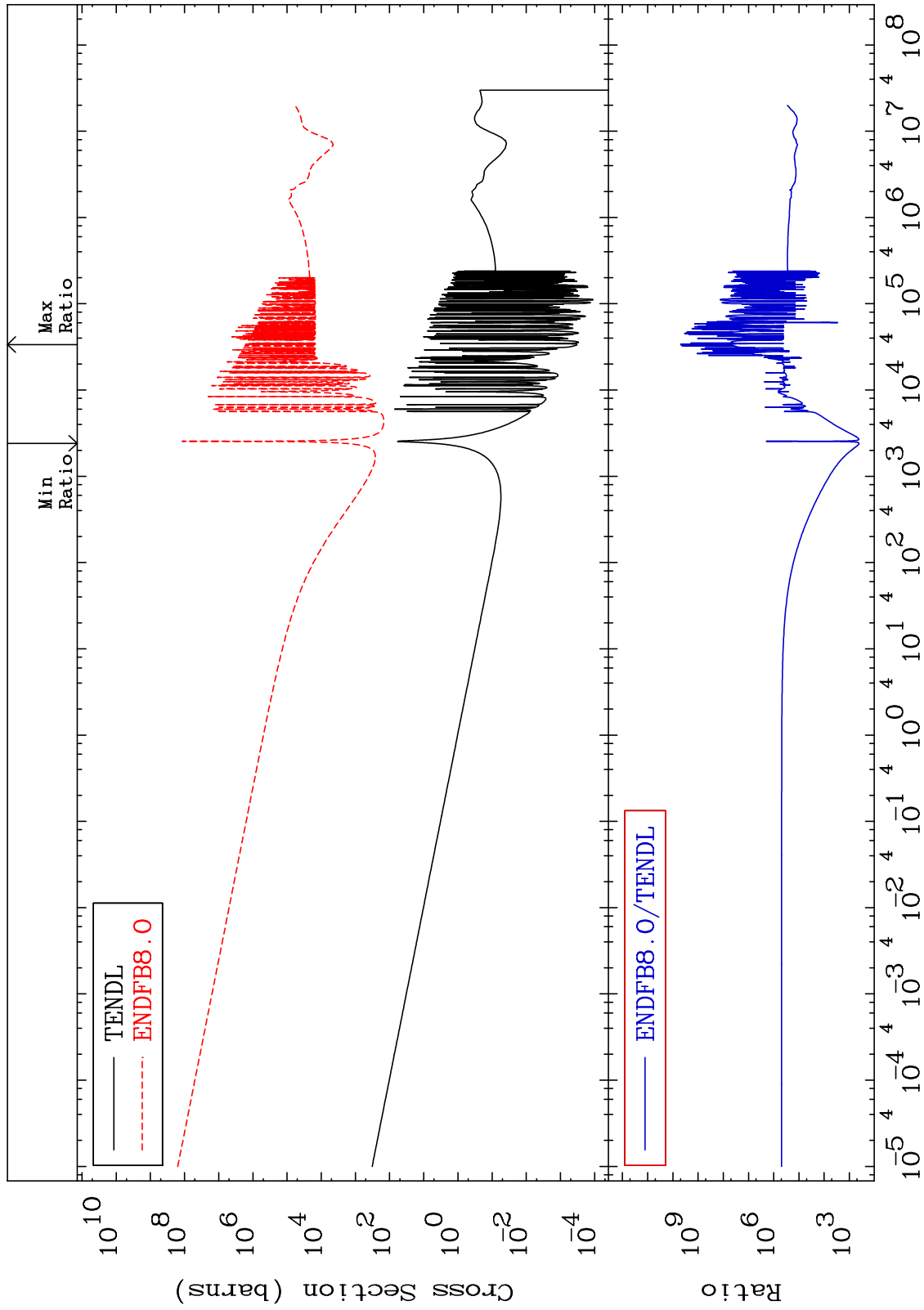
58-Ce-140
1647. To 9999. %



MAT 5837

Kerma capture (mt102)
Cross Section

58-Ce-140
9999. To 9999. %

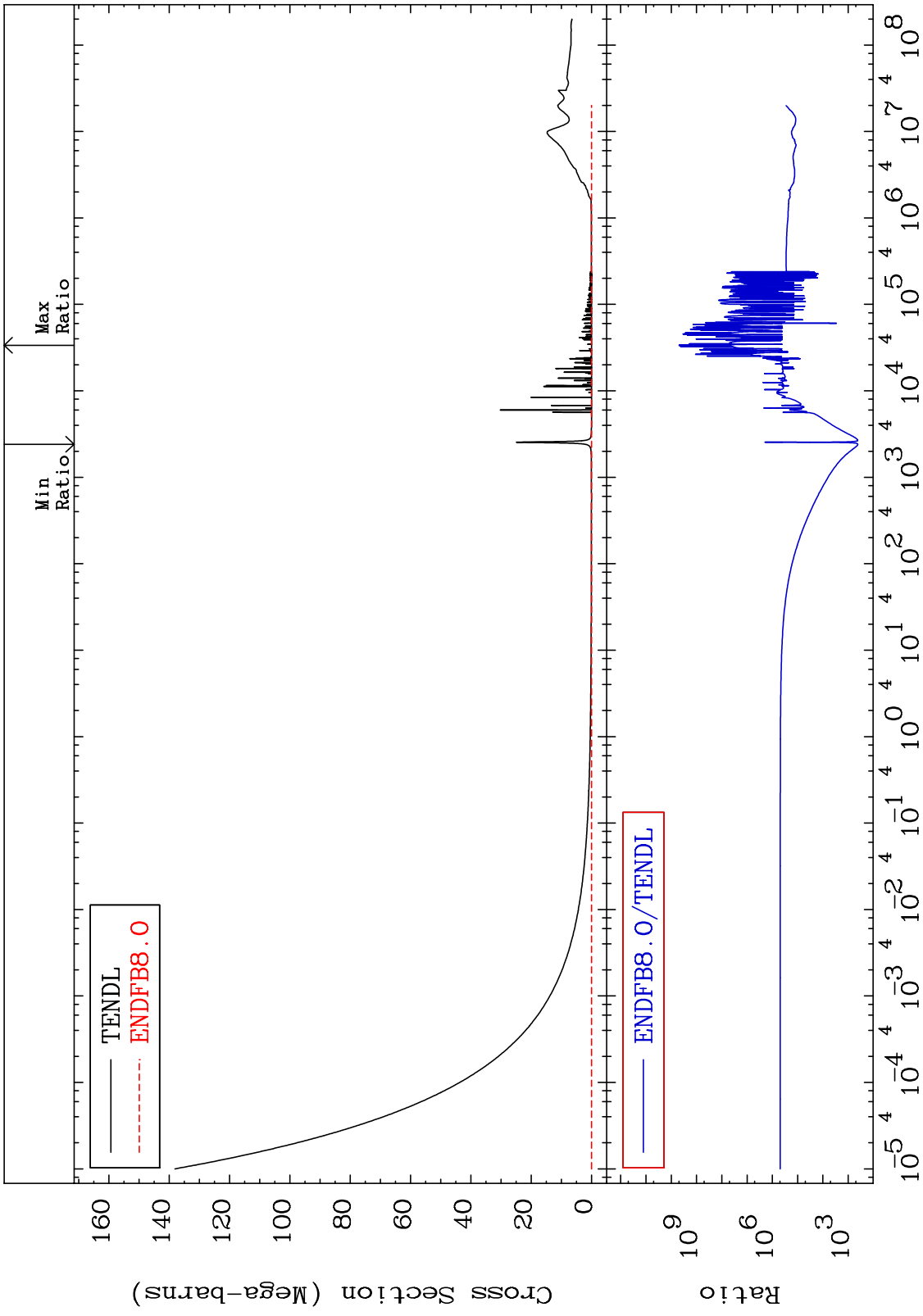


47

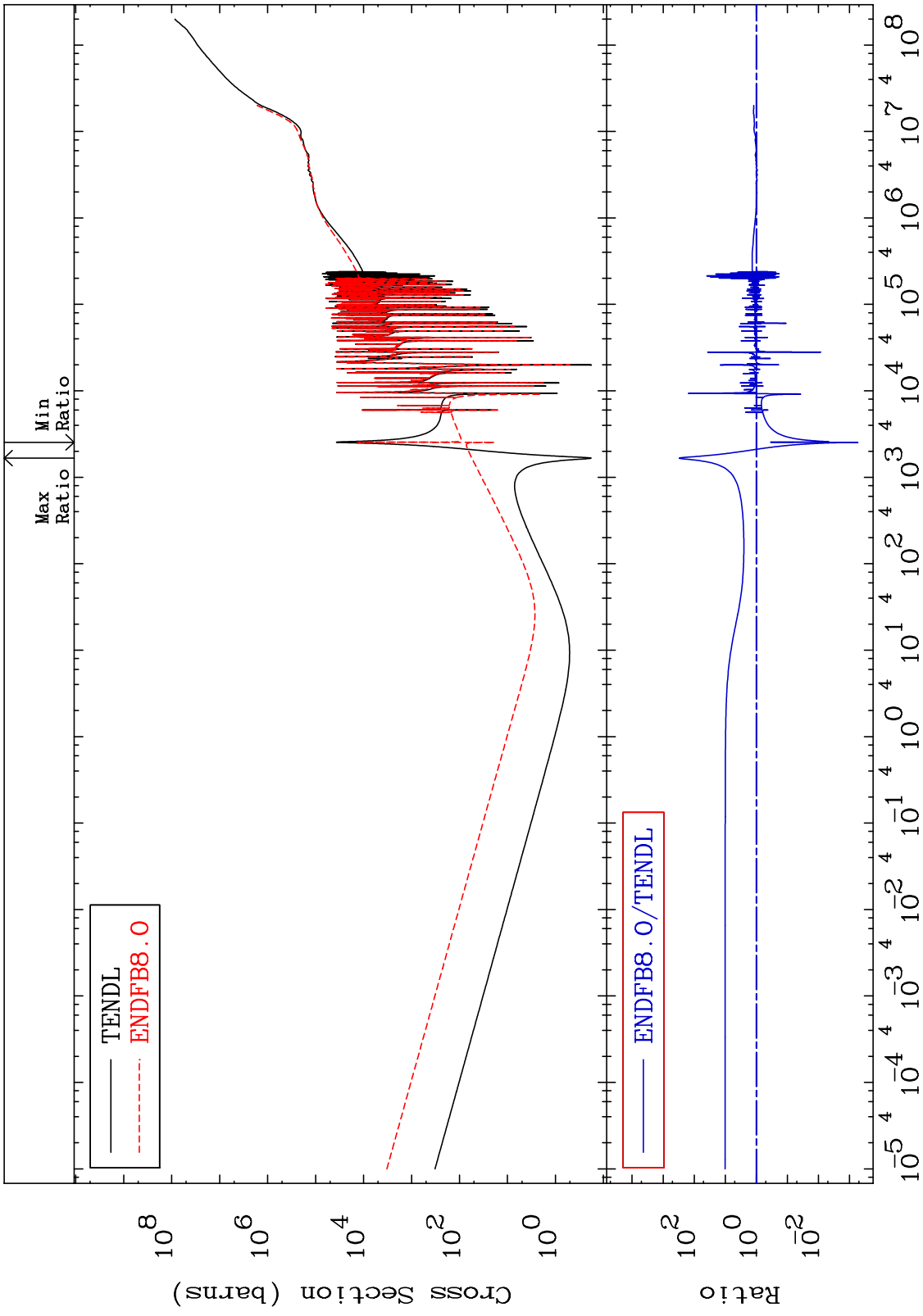
Incident Energy (eV)

58-Ce-140

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



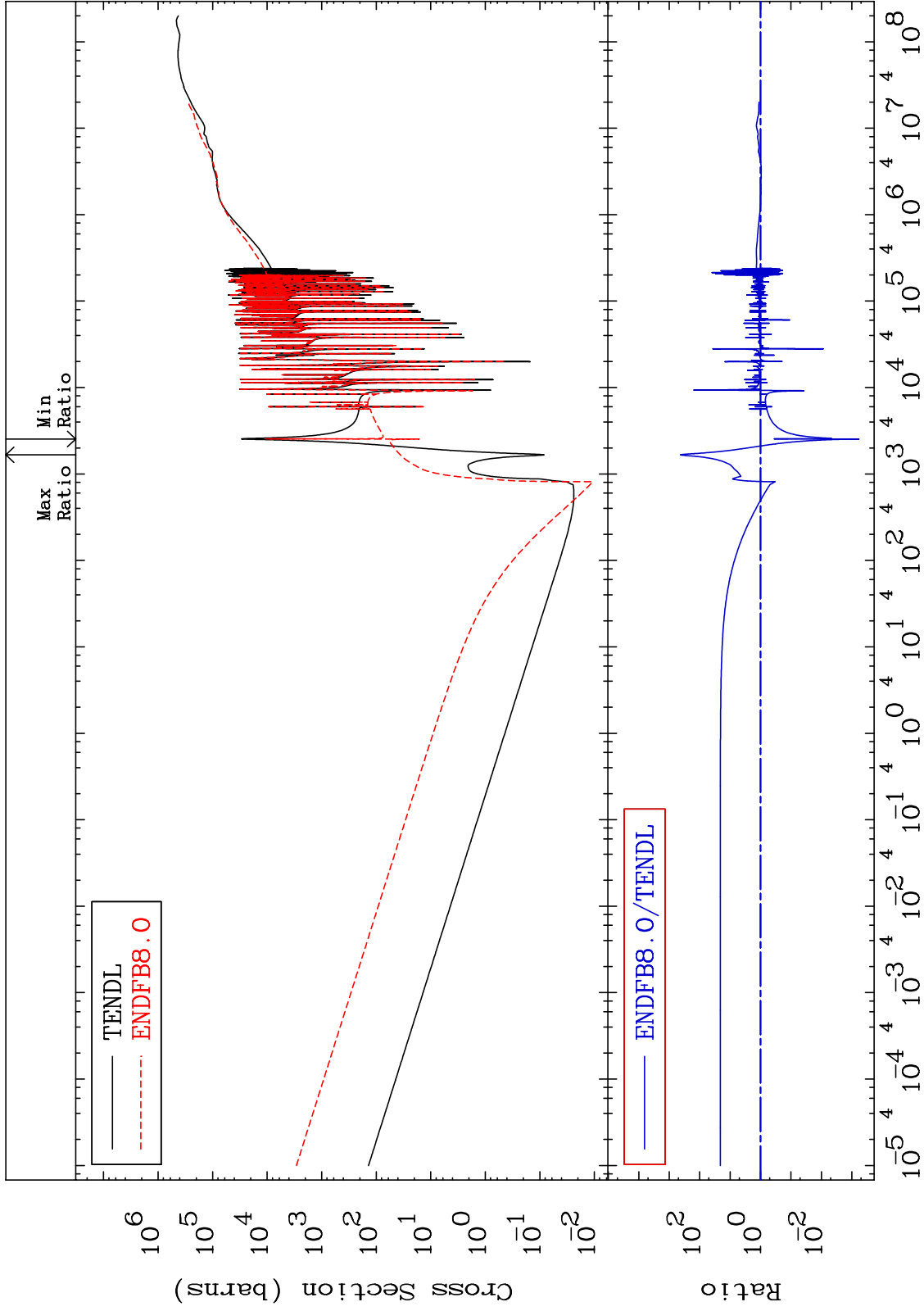
MAT 5837 Total kinematic kerma (high limit) 58-Ce-140
 Cross Section -99.95 To 9999. %

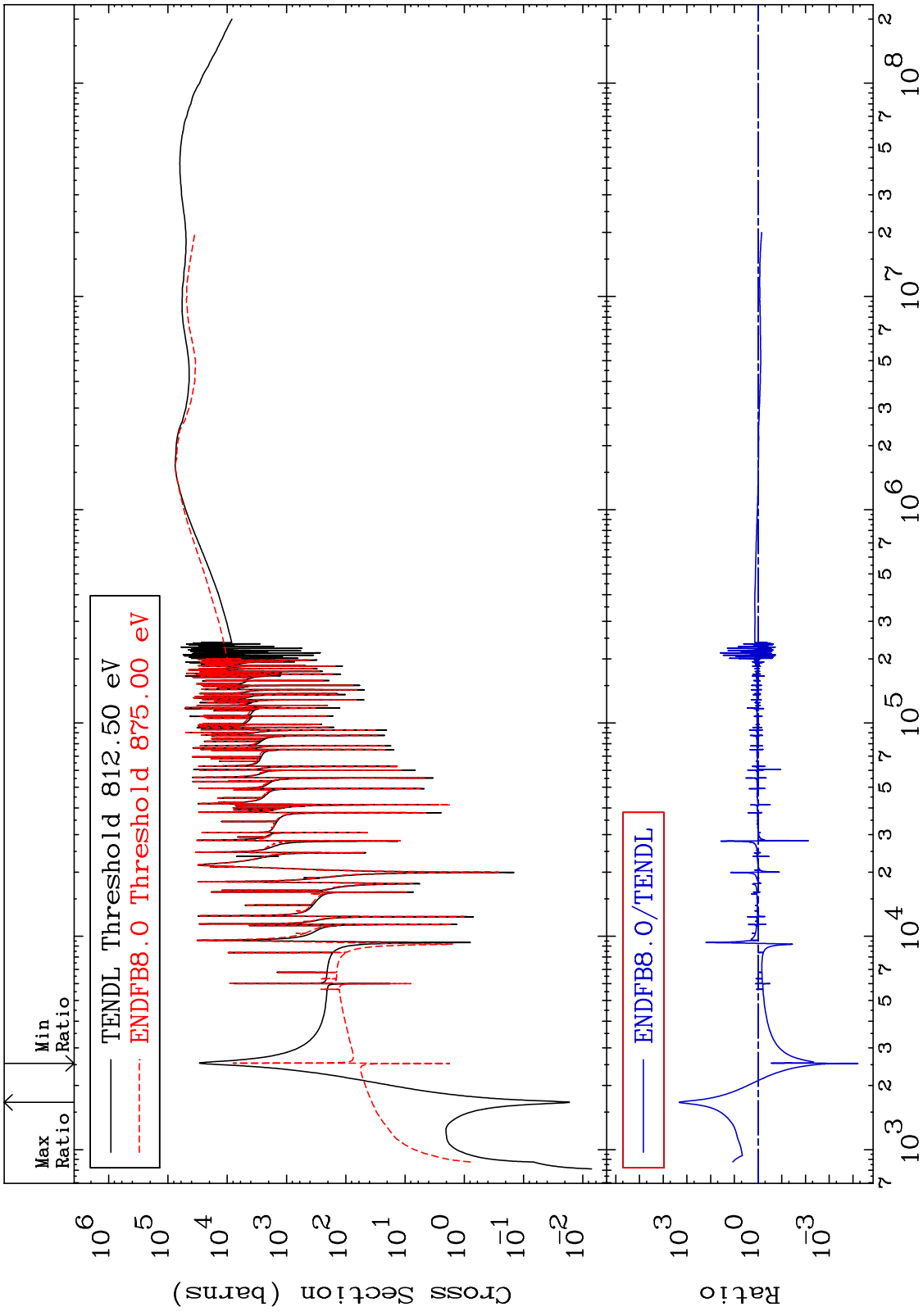


MAT 5837

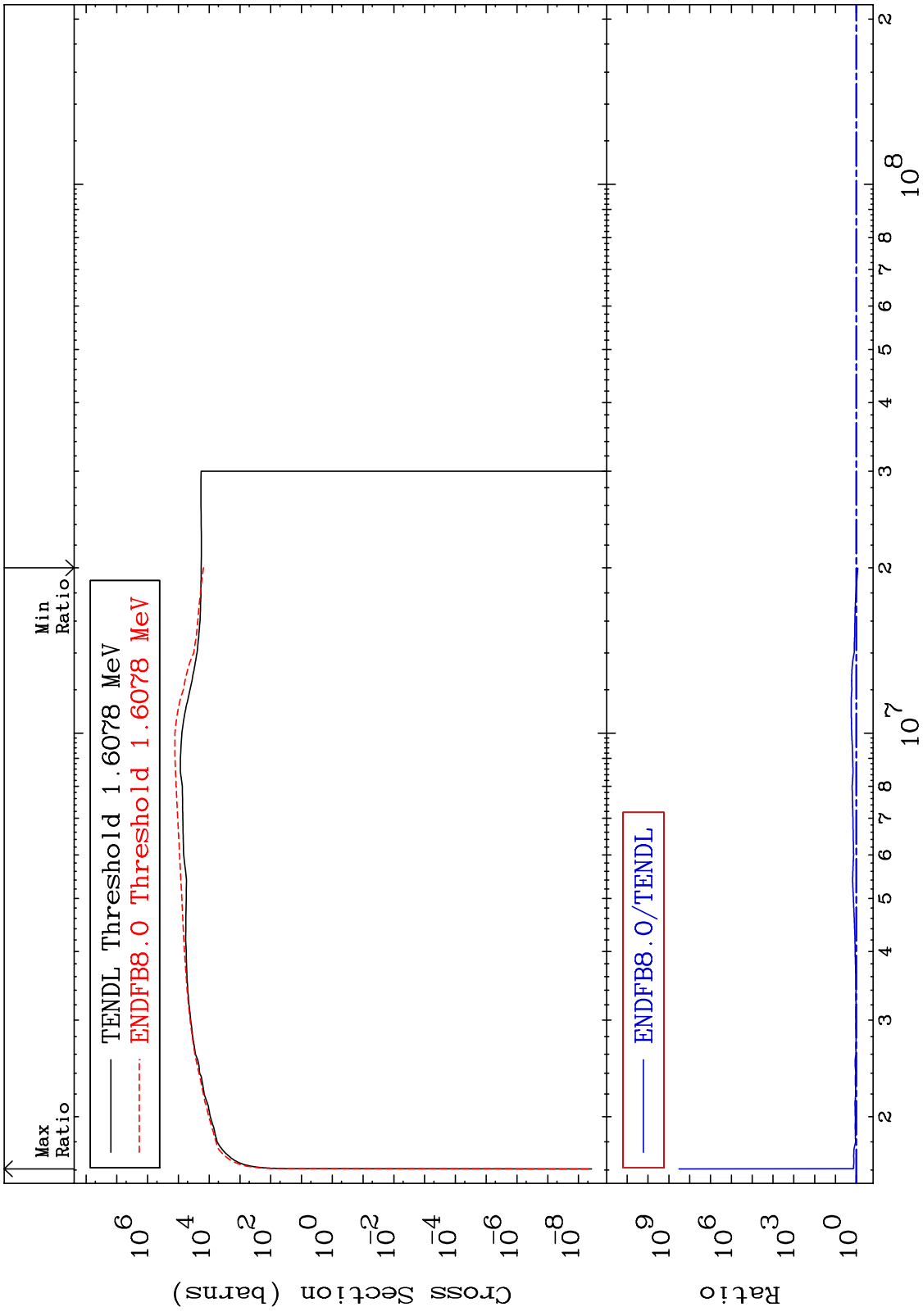
Dpa total (eV-barns)
Cross Section

58-Ce-140
-99.94 To 9999. %





MAT 5837 Dpa inelastic (mt51-91) 58-Ce-140
 Cross Section -15.52 To 9999. %



MAT 5837 Dpa disappearance (mt102 -120) 58-Ce-140
 Cross Section -97.94 To 9999. %

