

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

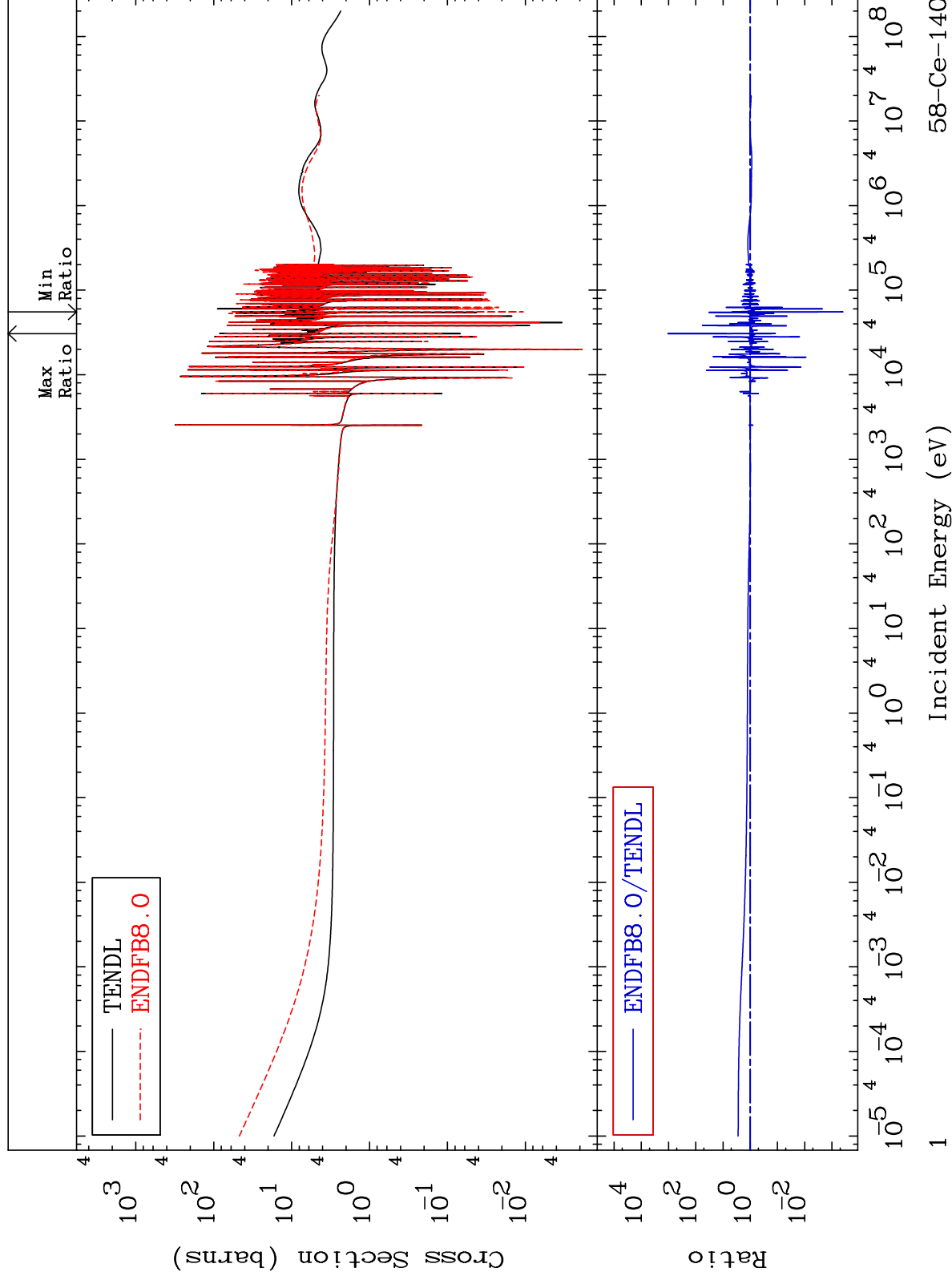
MAT 5837

Total

58-Ce-140

Cross Section

-99.96 To 9999. %



Incident Energy (eV)

58-Ce-140

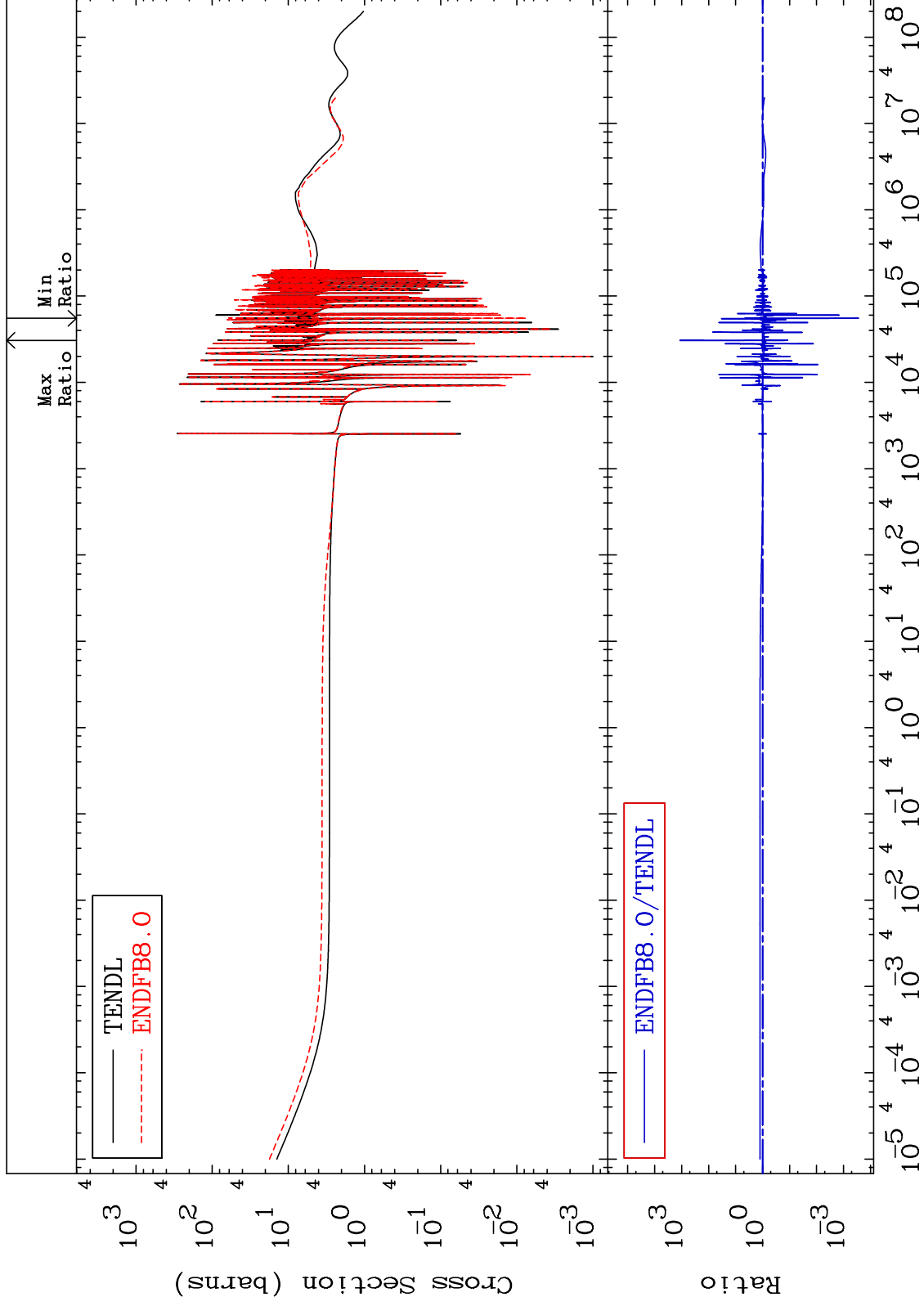
MAT 5837

Elastic

Cross Section

58-Ce-140

-99.97 To 9999. %



Incident Energy (eV)

58-Ce-140

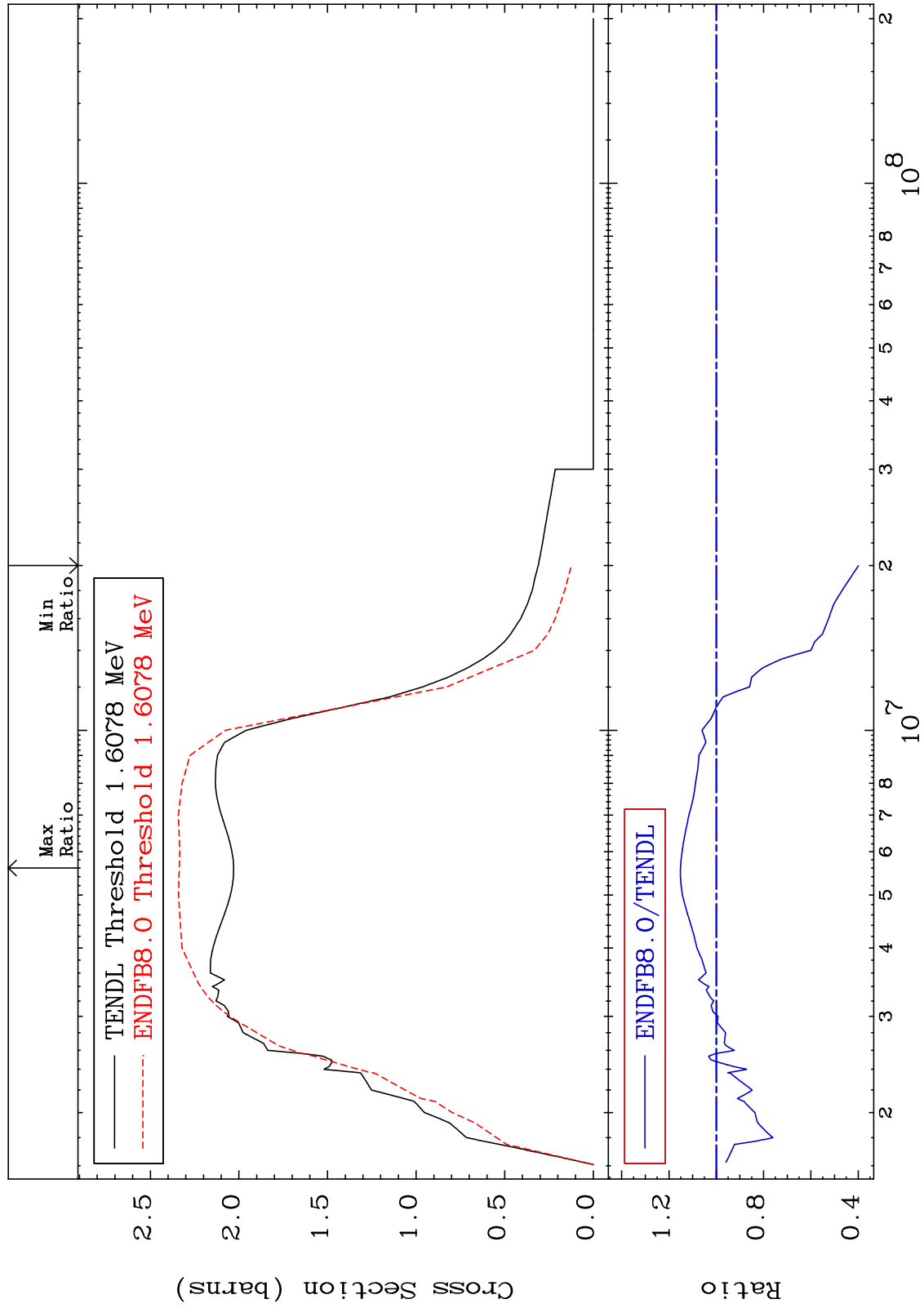
2

MAT 5837

Inelastic
Cross Section

58-Ce-140

-60.15 To 15.14 %



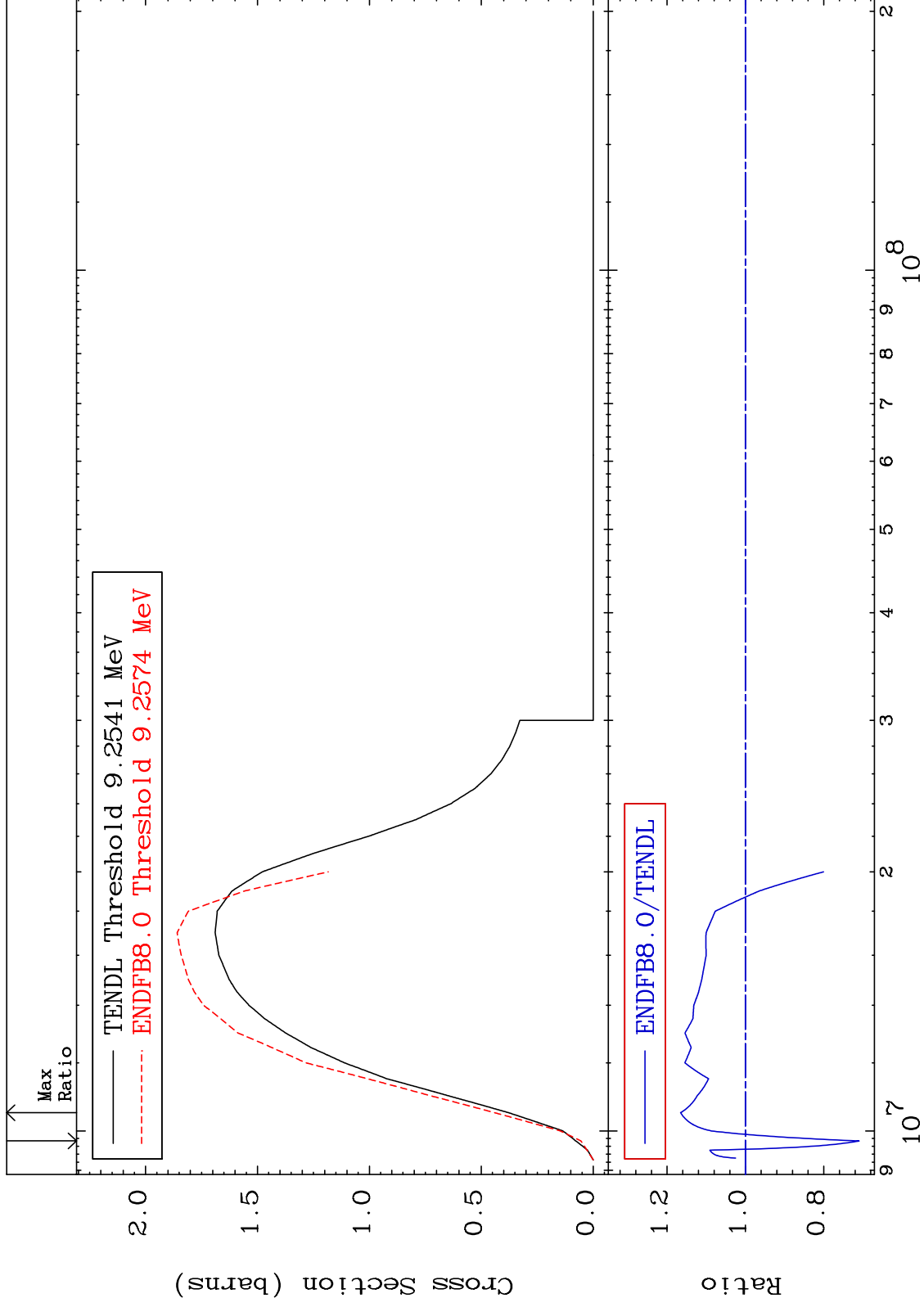
MAT 5837

(n,2n)

58-Ce-140

Cross Section

-29.04 To 16.55 %



4

Incident Energy (eV)

58-Ce-140

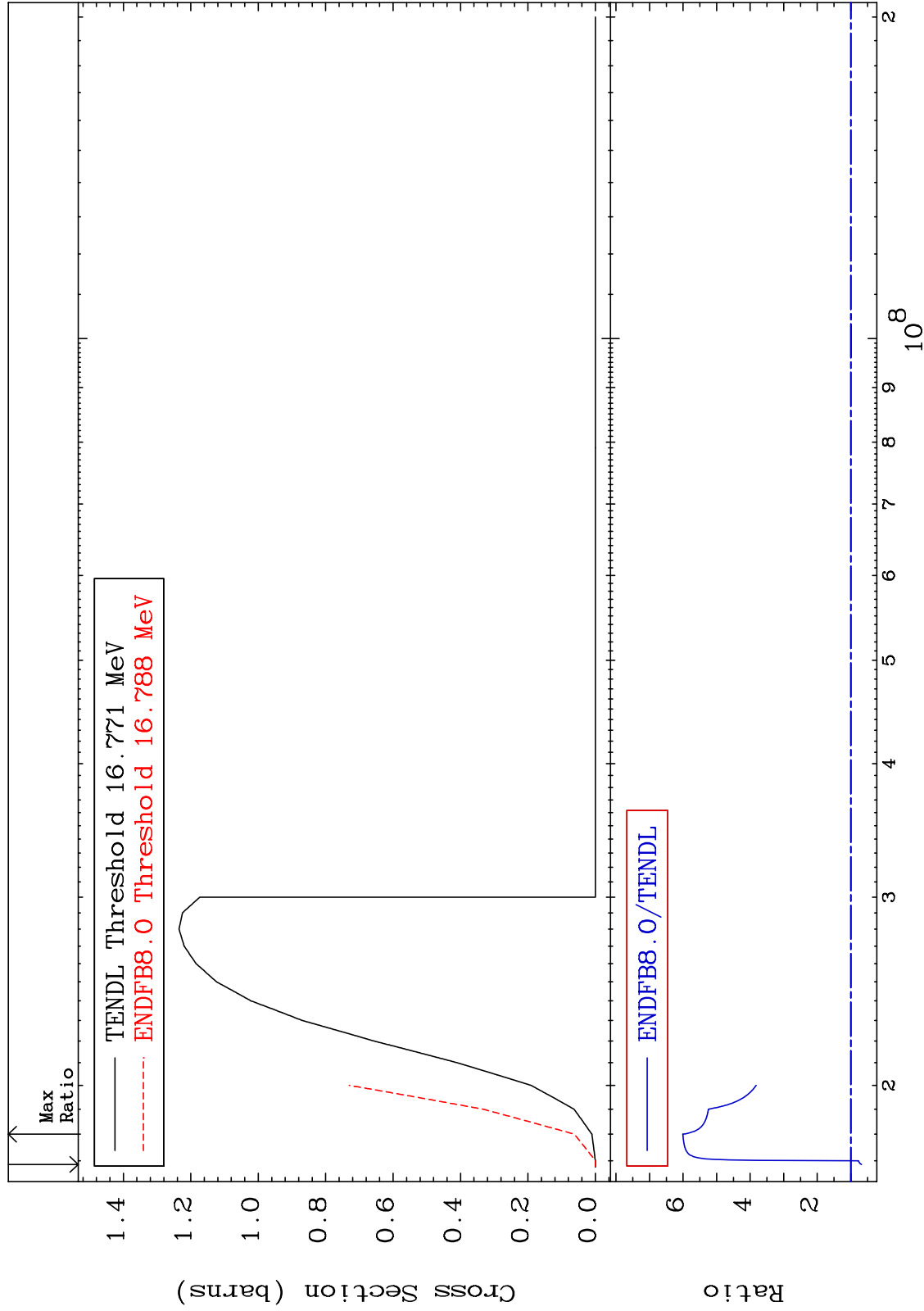
MAT 5837

(n, 3n)

58-Ce-140

Cross Section

-32.19 To 500.7 %



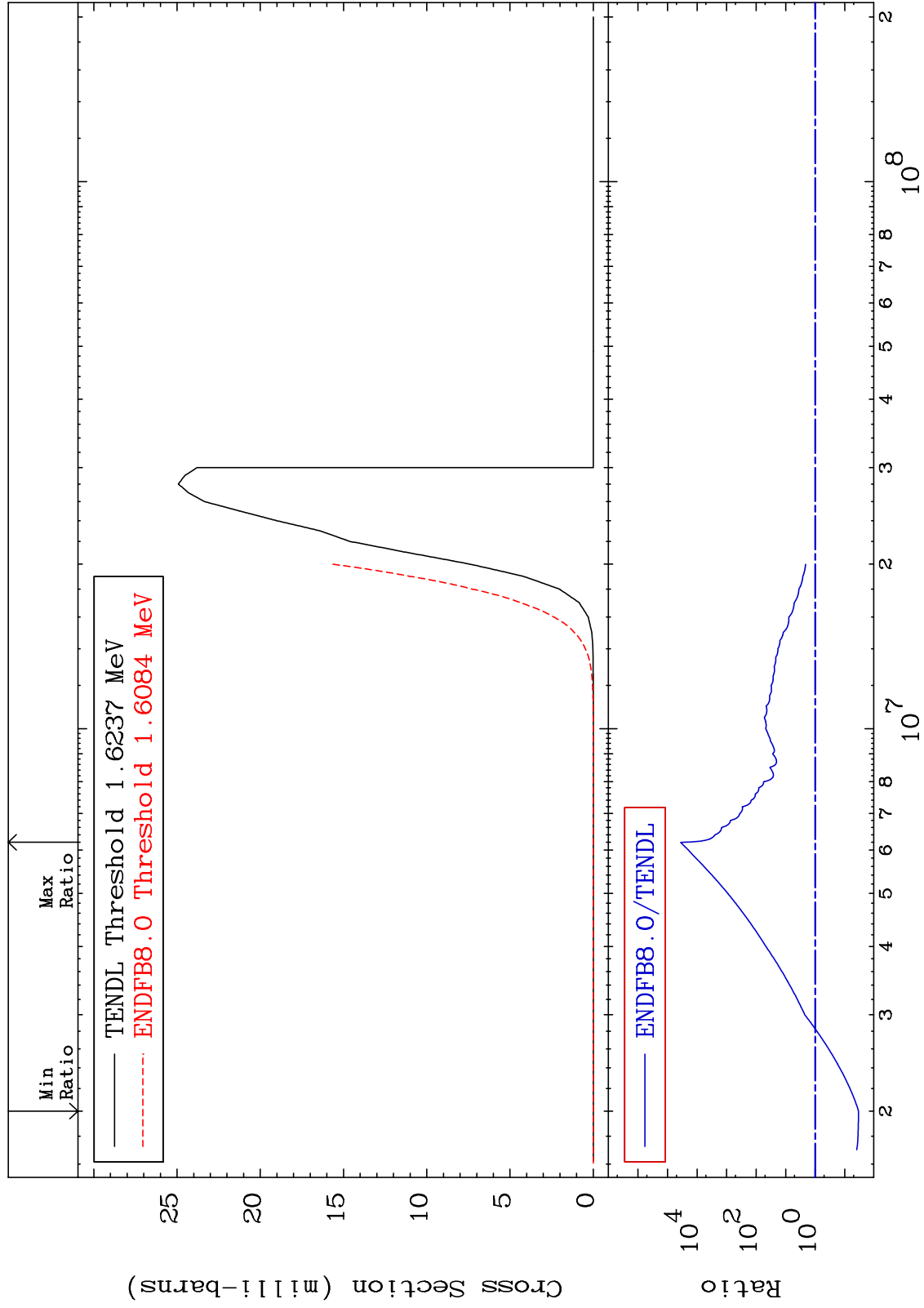
MAT 5837

(n,n') α

58-Ce-140

Cross Section

-96.58 To 9999. %



6

Incident Energy (eV)

58-Ce-140

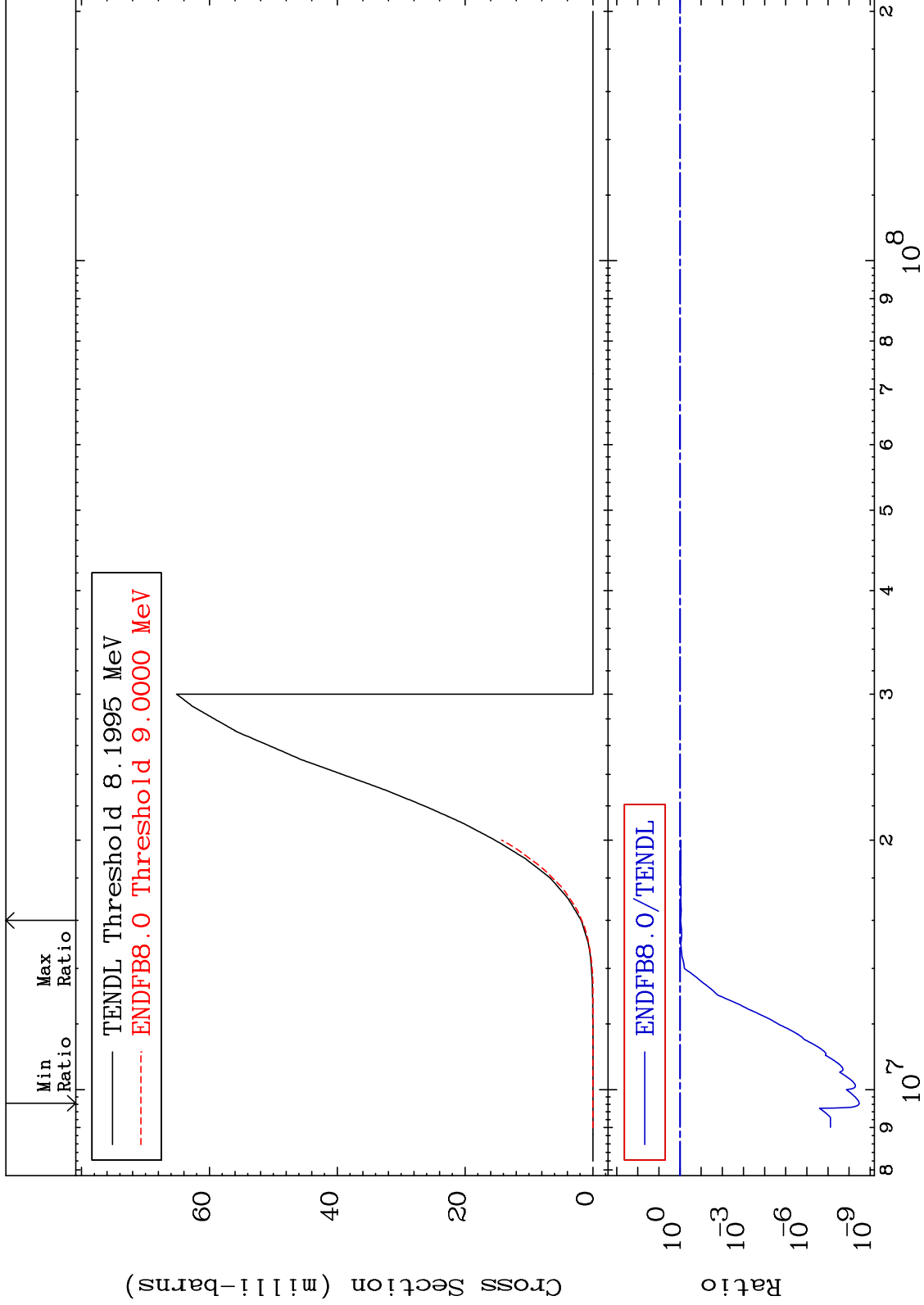
MAT 5837

(n,n') p

58-Ce-140

Cross Section

-100.0 To -3.813%



58-Ce-140

58-Ce-140

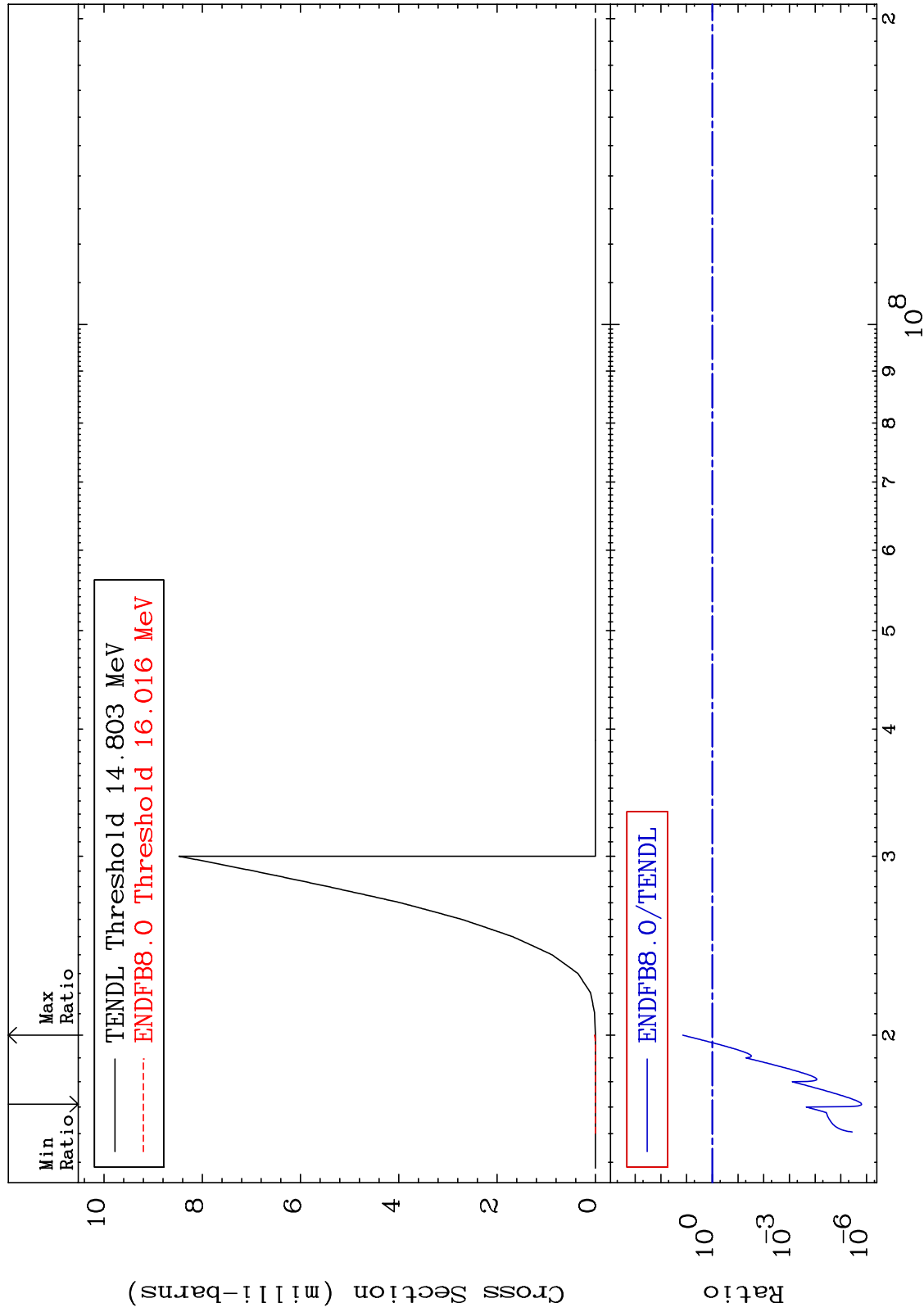
MAT 5837

(n,n') d

58-Ce-140

Cross Section

-100.0 To 1299. %



8

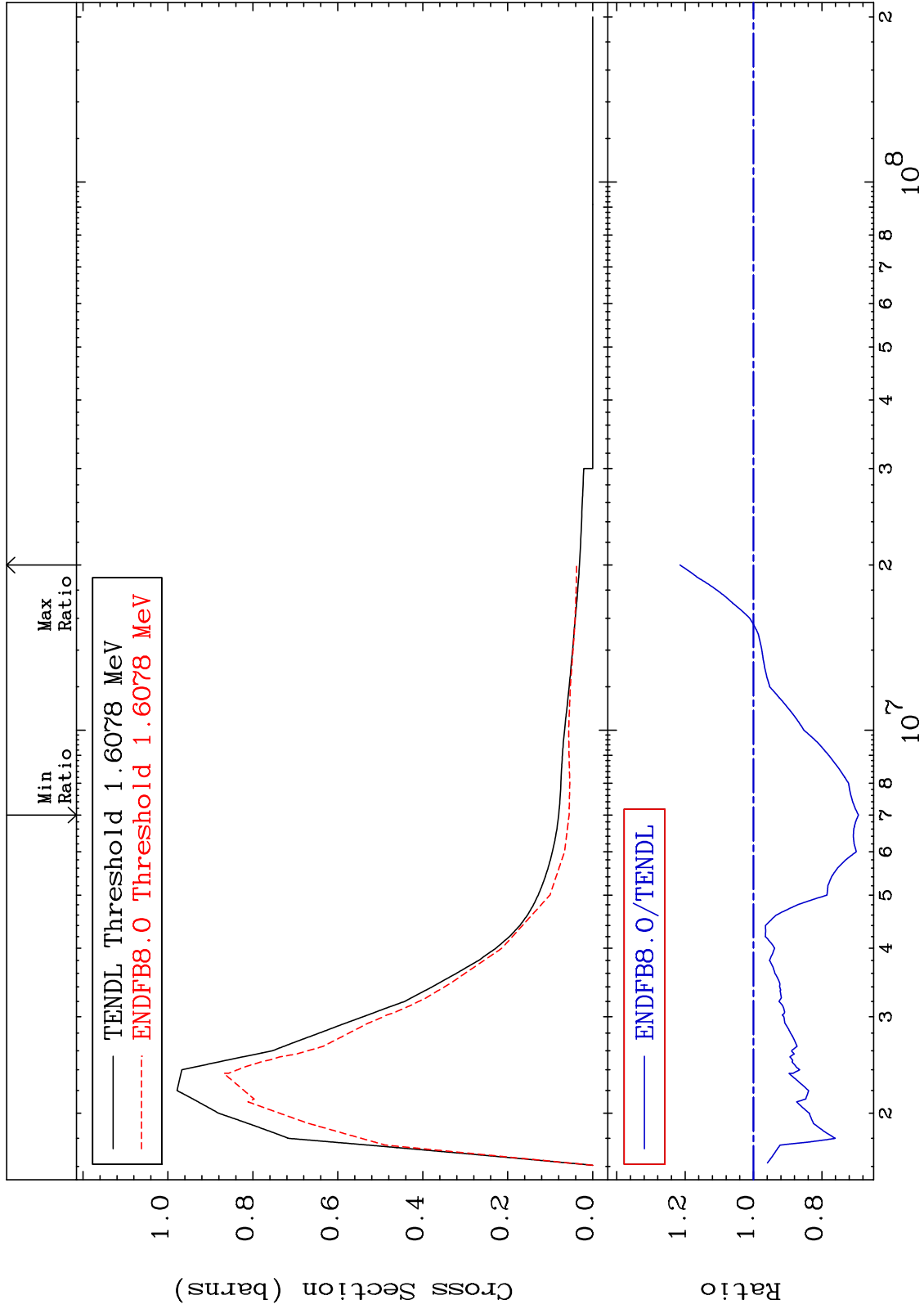
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 51 (n,n') Level
Cross Section

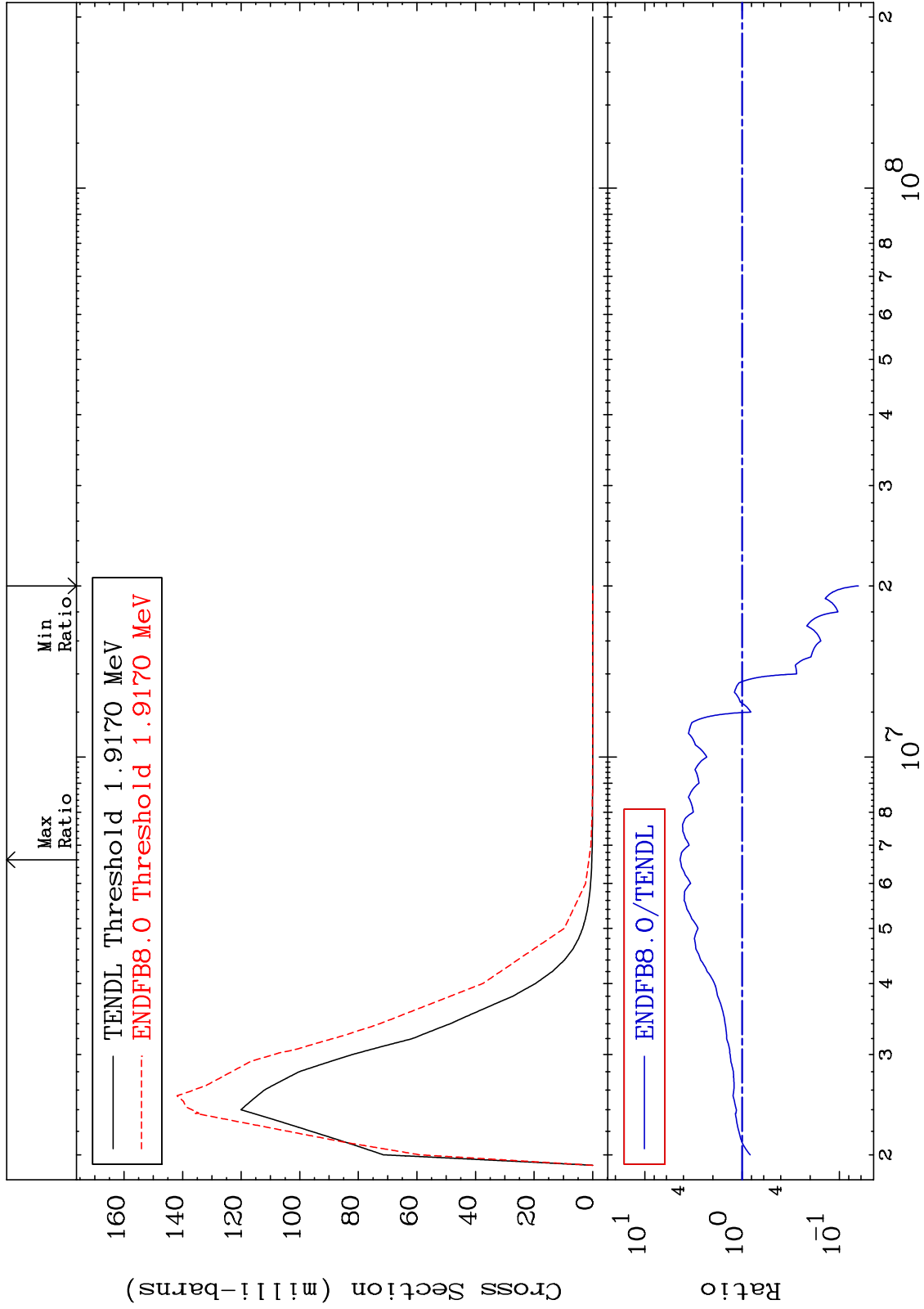
58-Ce-140
-30.70 To 21.49 %



MAT 5837

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

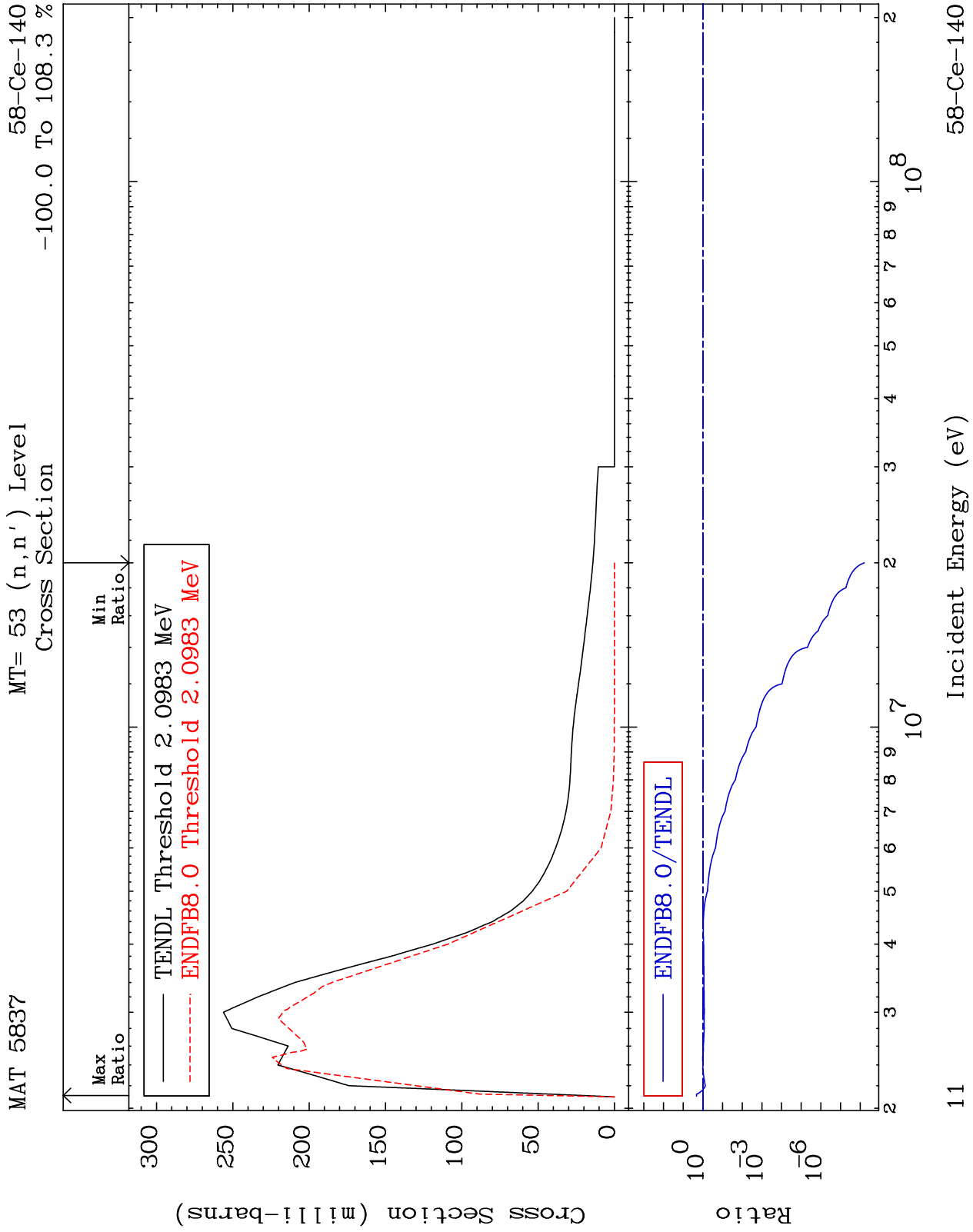
58-Ce-140
-93.63 To 334.4 %



10

Incident Energy (eV)

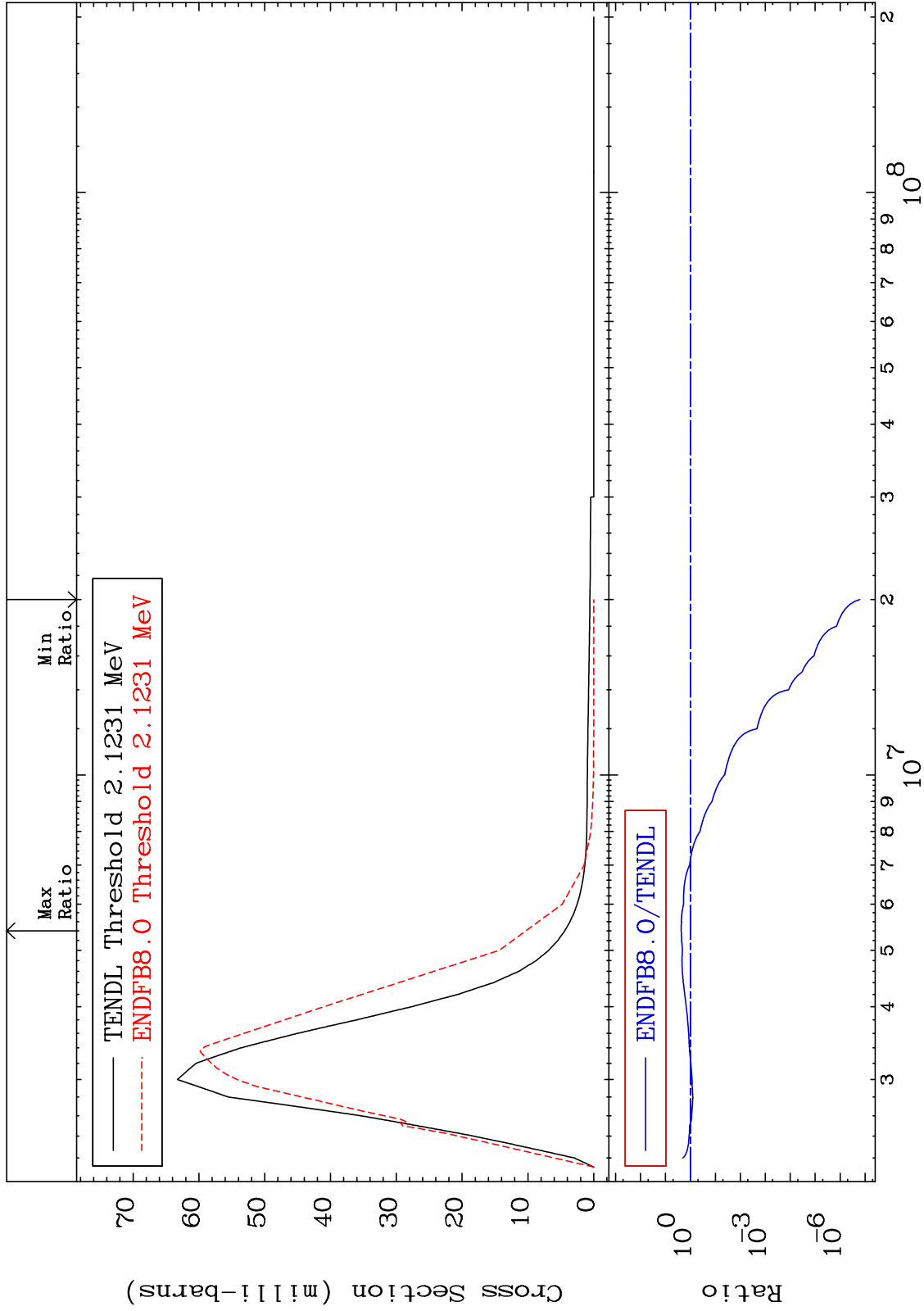
58-Ce-140



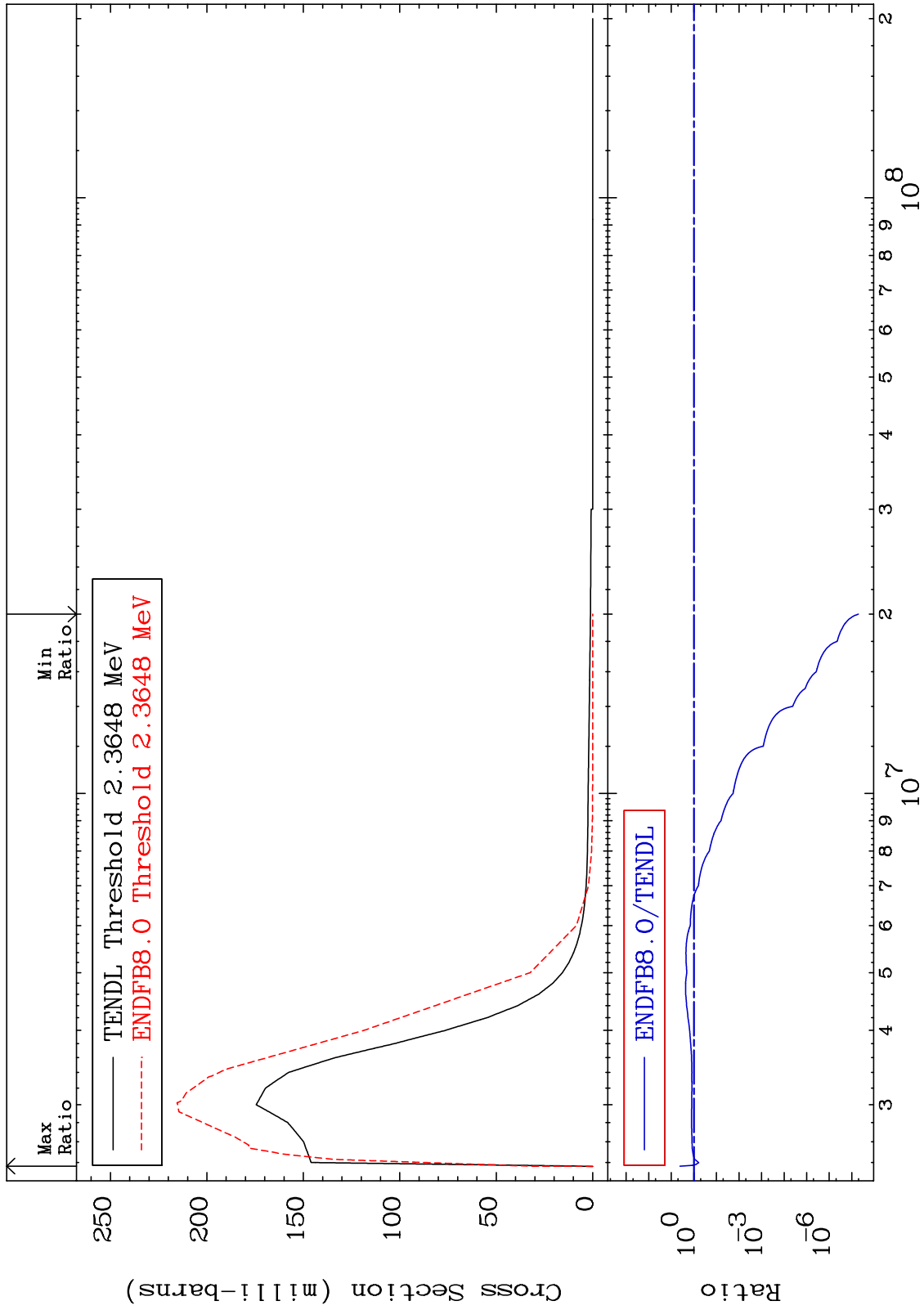
MAT 5837

MT= 54 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 134.3 %



MAT 5837 MT= 55 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 310.5 %

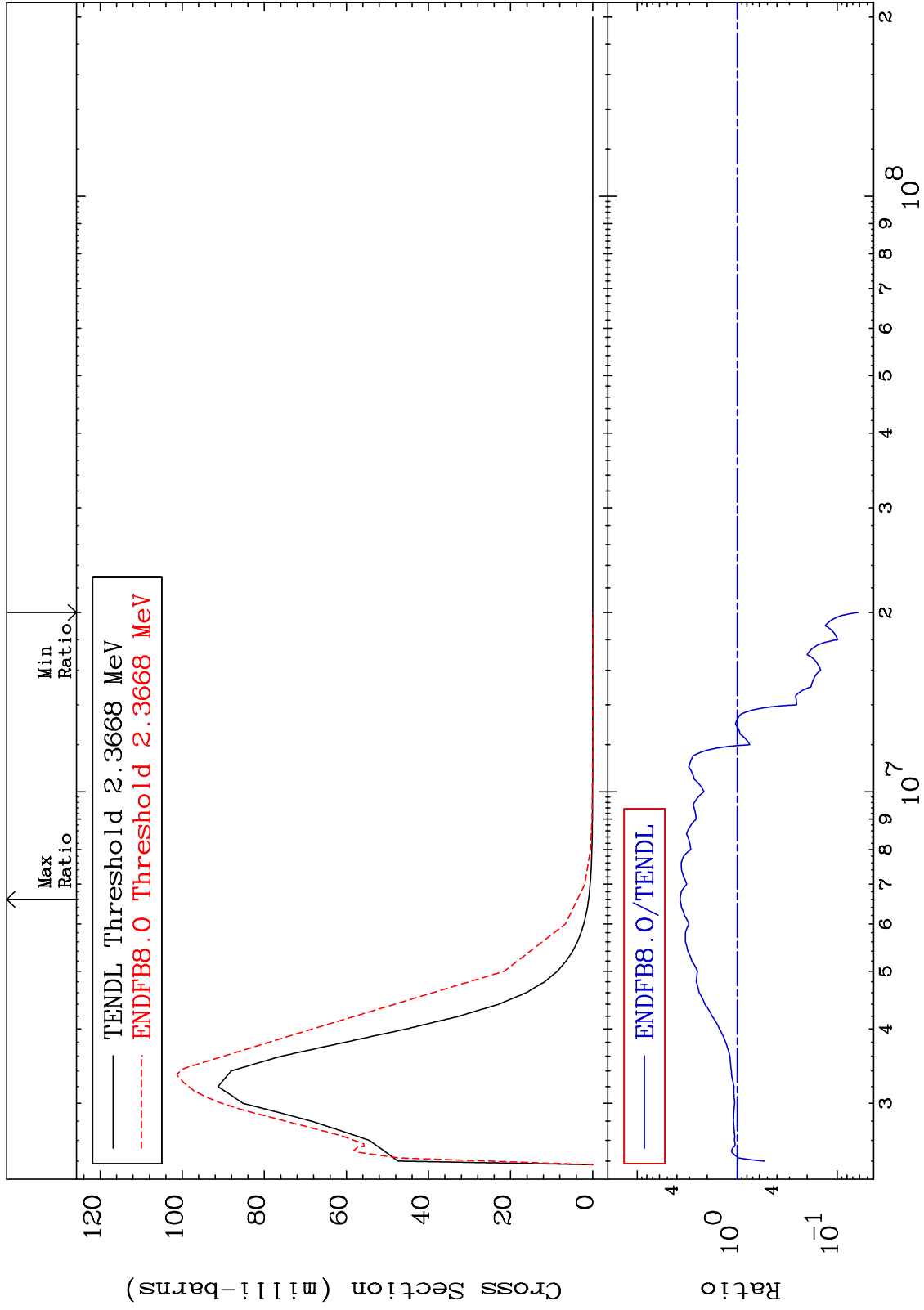


13 Incident Energy (eV) 58-Ce-140

MAT 5837

MT= 56 (n,n') Level
Cross Section

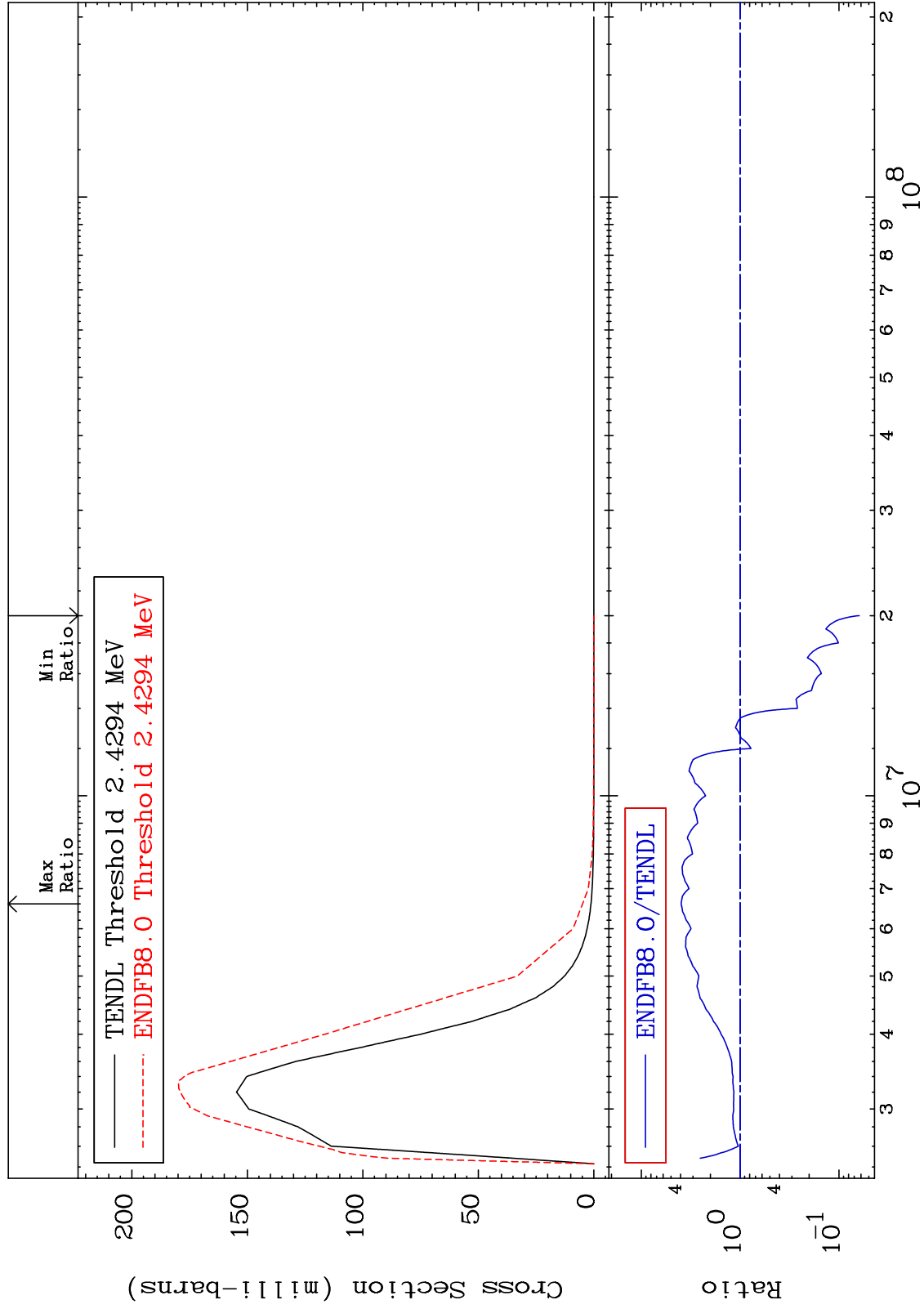
58-Ce-140
-93.85 To 273.2 %



MAT 5837

MT= 57 (n,n') Level
Cross Section

58-Ce-140
-93.77 To 295.9 %



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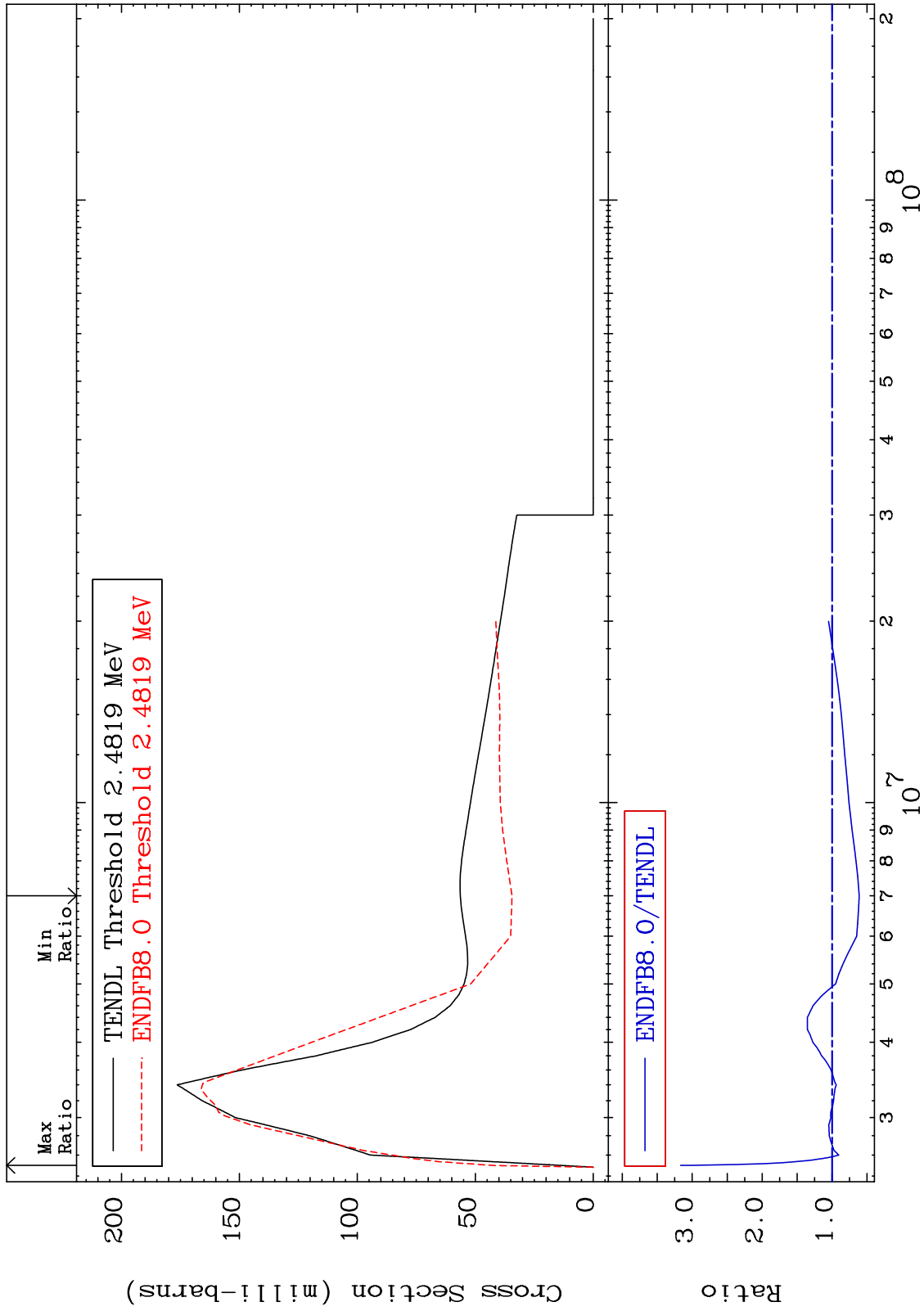
Incident Energy (eV)

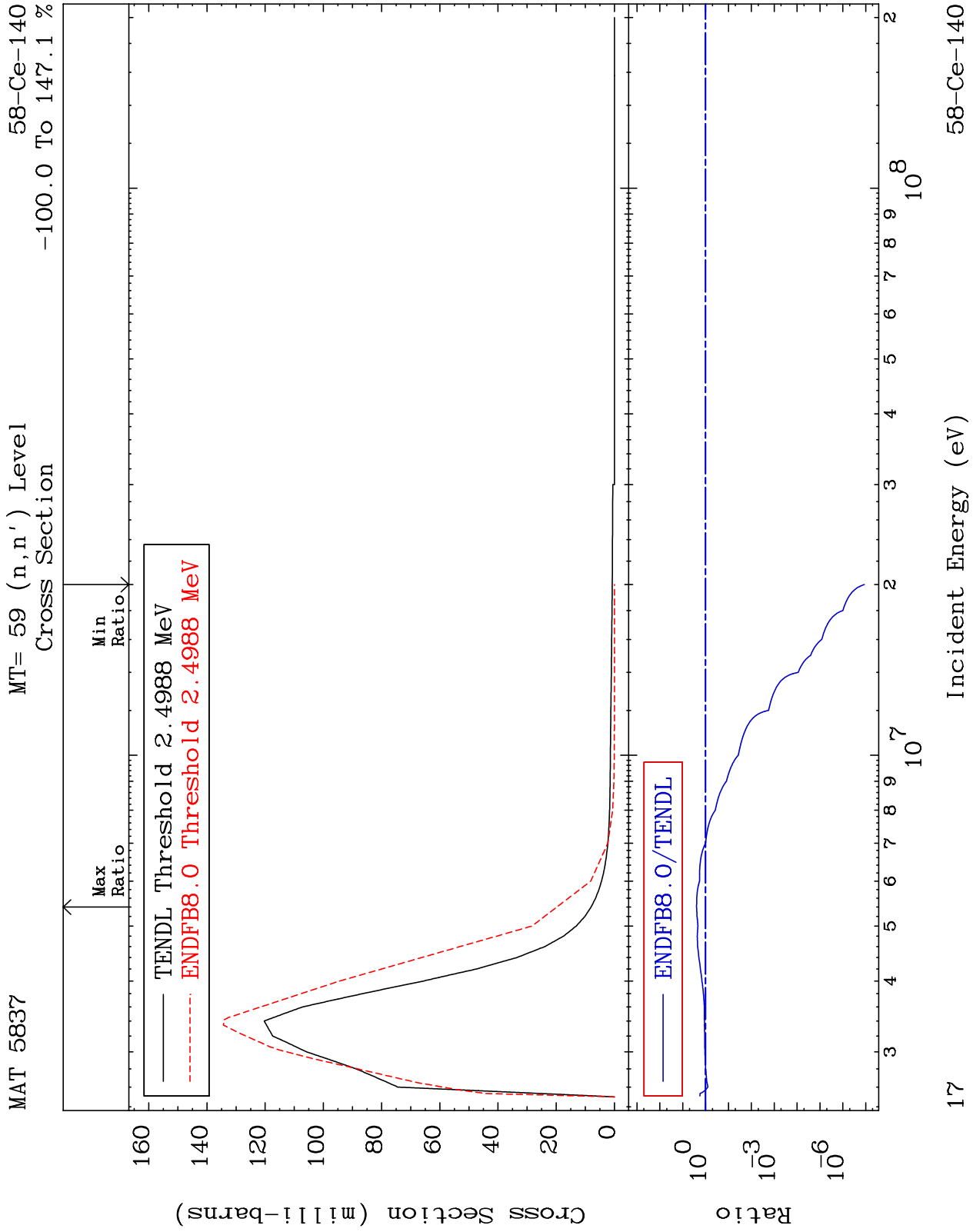
58-Ce-140

MAT 5837

MT= 58 (n,n') Level
Cross Section

58-Ce-140
-38.91 To 216.6 %

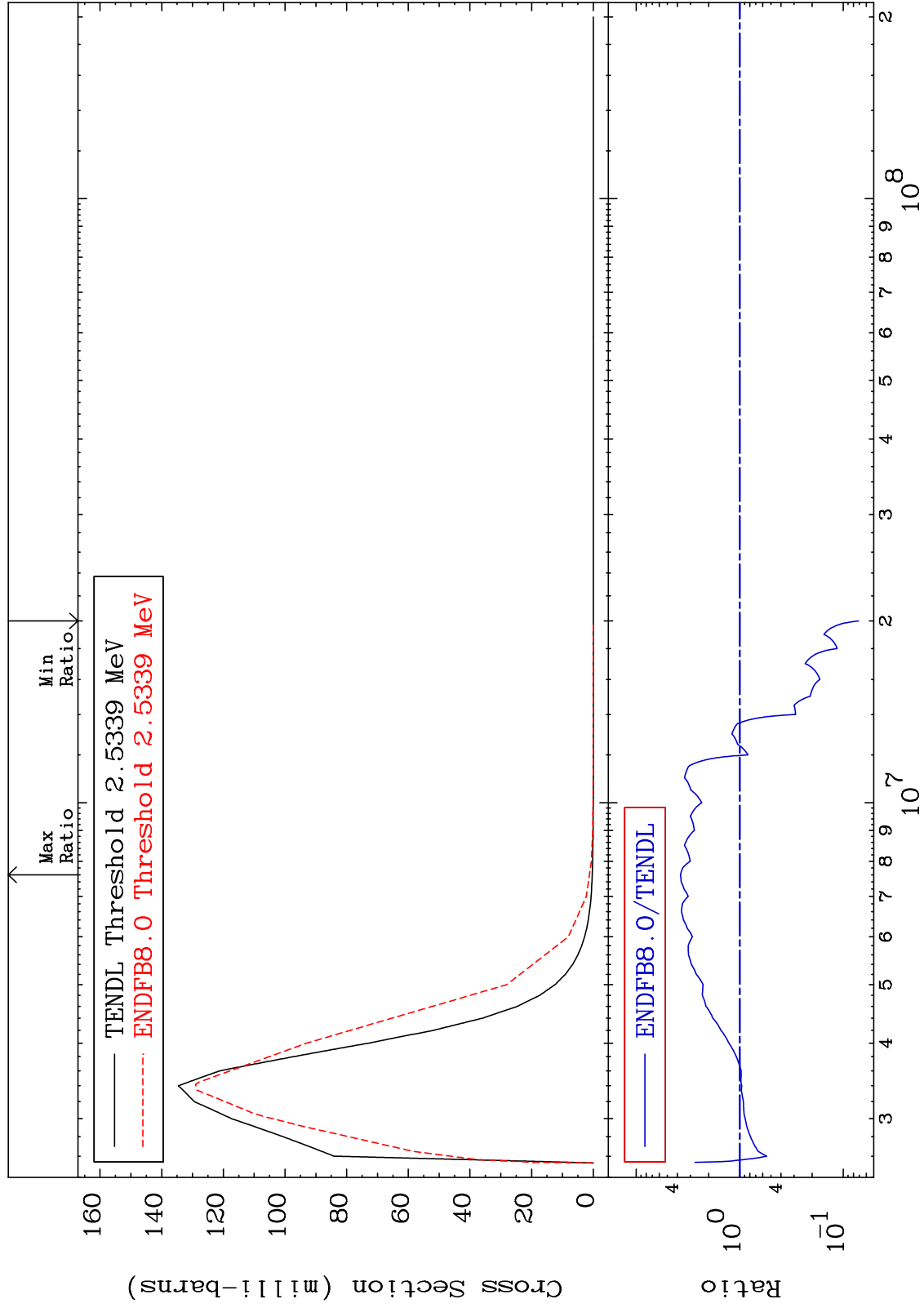




MAT 5837

MT= 60 (n,n') Level
Cross Section

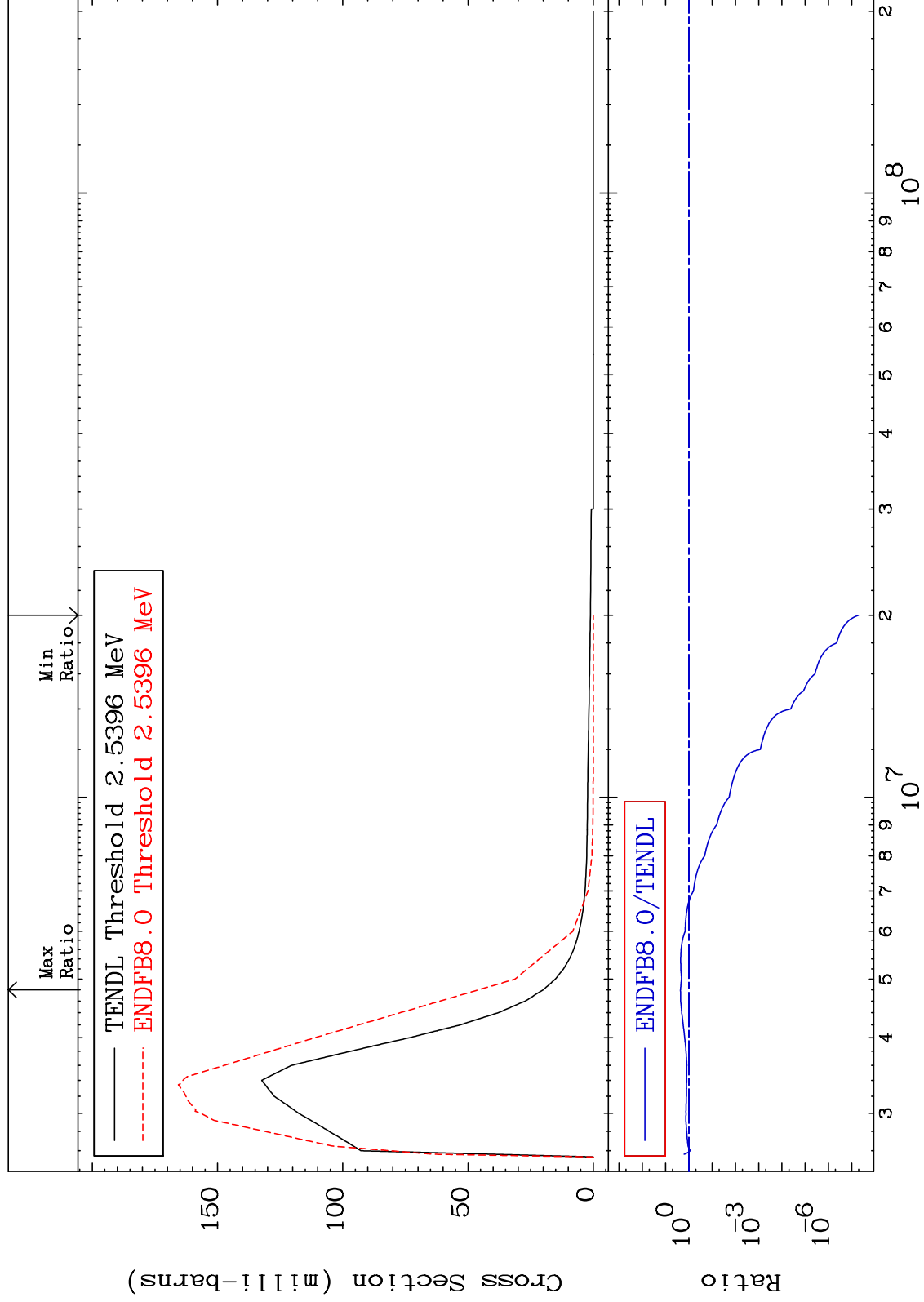
58-Ce-140
-92.86 To 273.9 %



MAT 5837

MT= 61 (n,n') Level
Cross Section

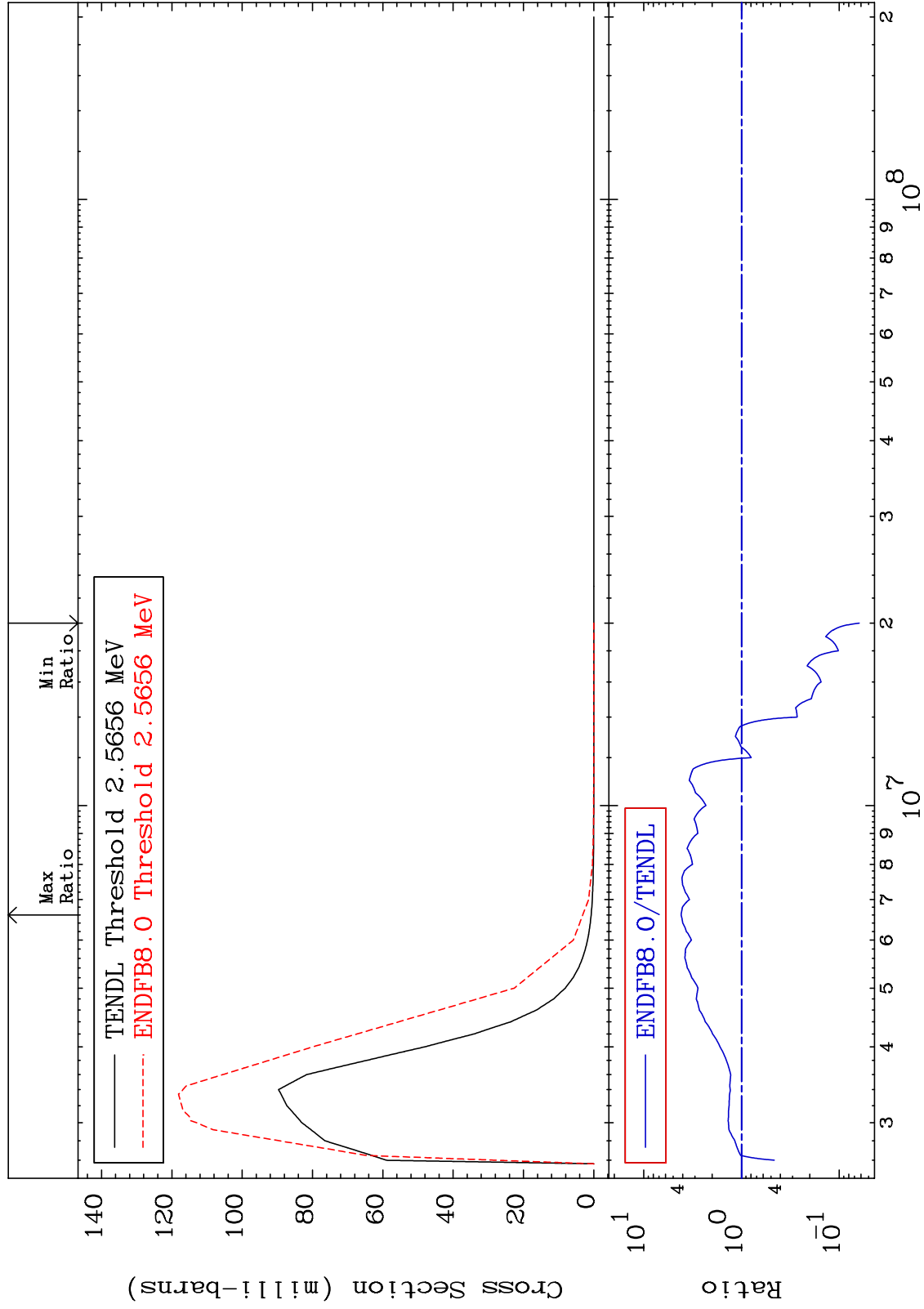
58-Ce-140
-100.0 To 129.6 %



MAT 5837

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

58-Ce-140
-93.76 To 315.8 %

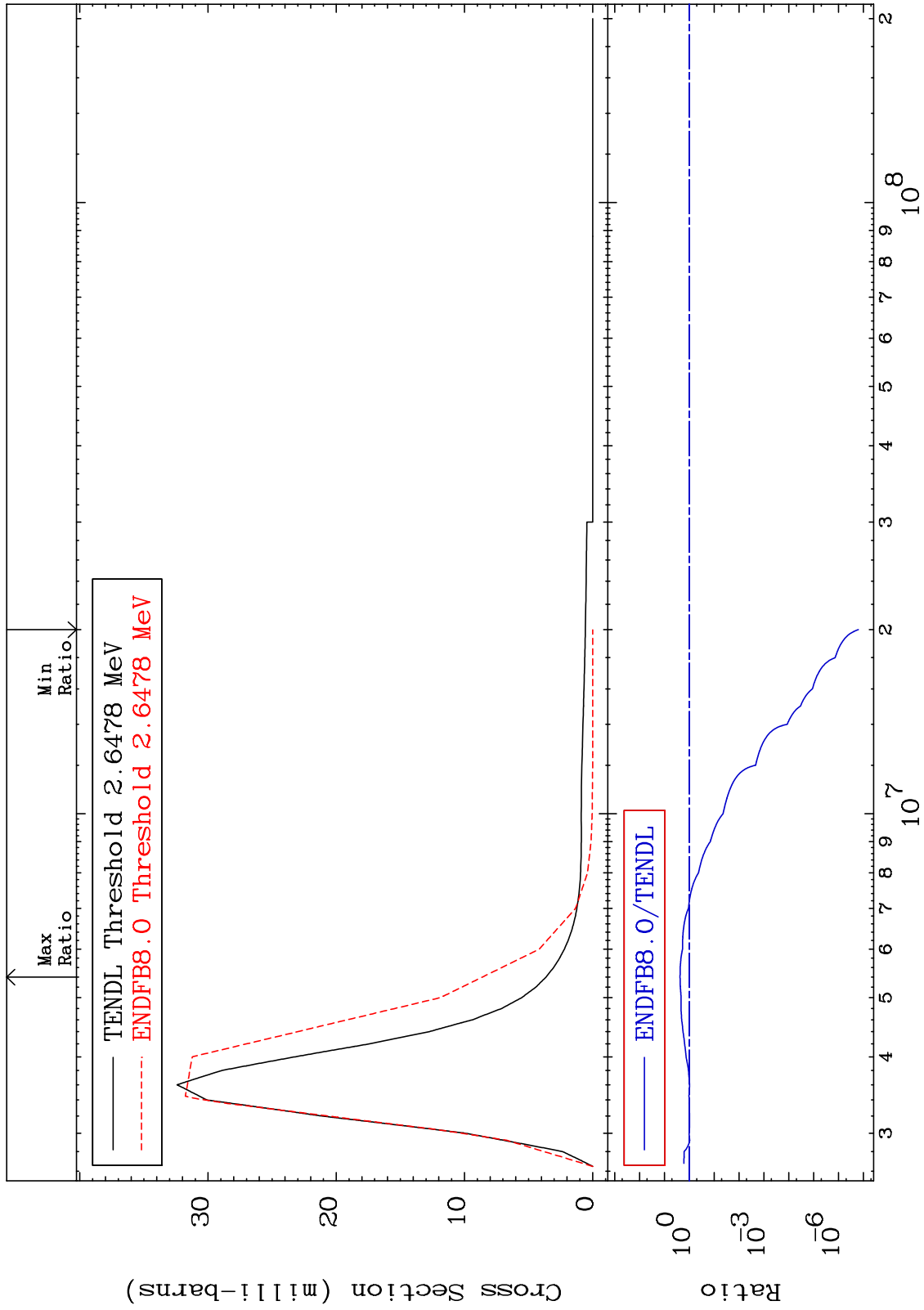


20

Incident Energy (eV)

58-Ce-140

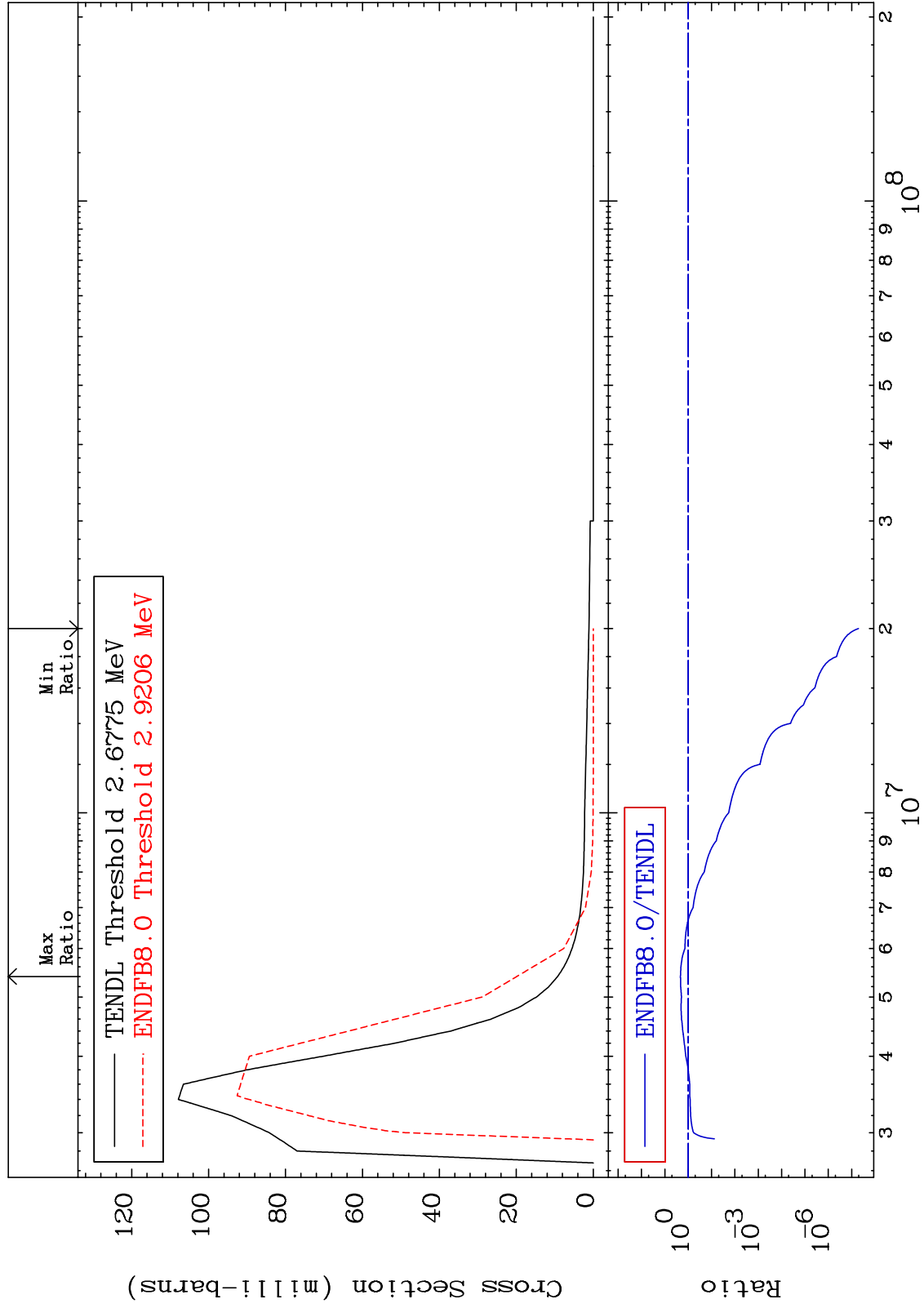
MAT 5837 MT= 63 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 136.6 %



MAT 5837

MT= 64 (n,n') Level
Cross Section

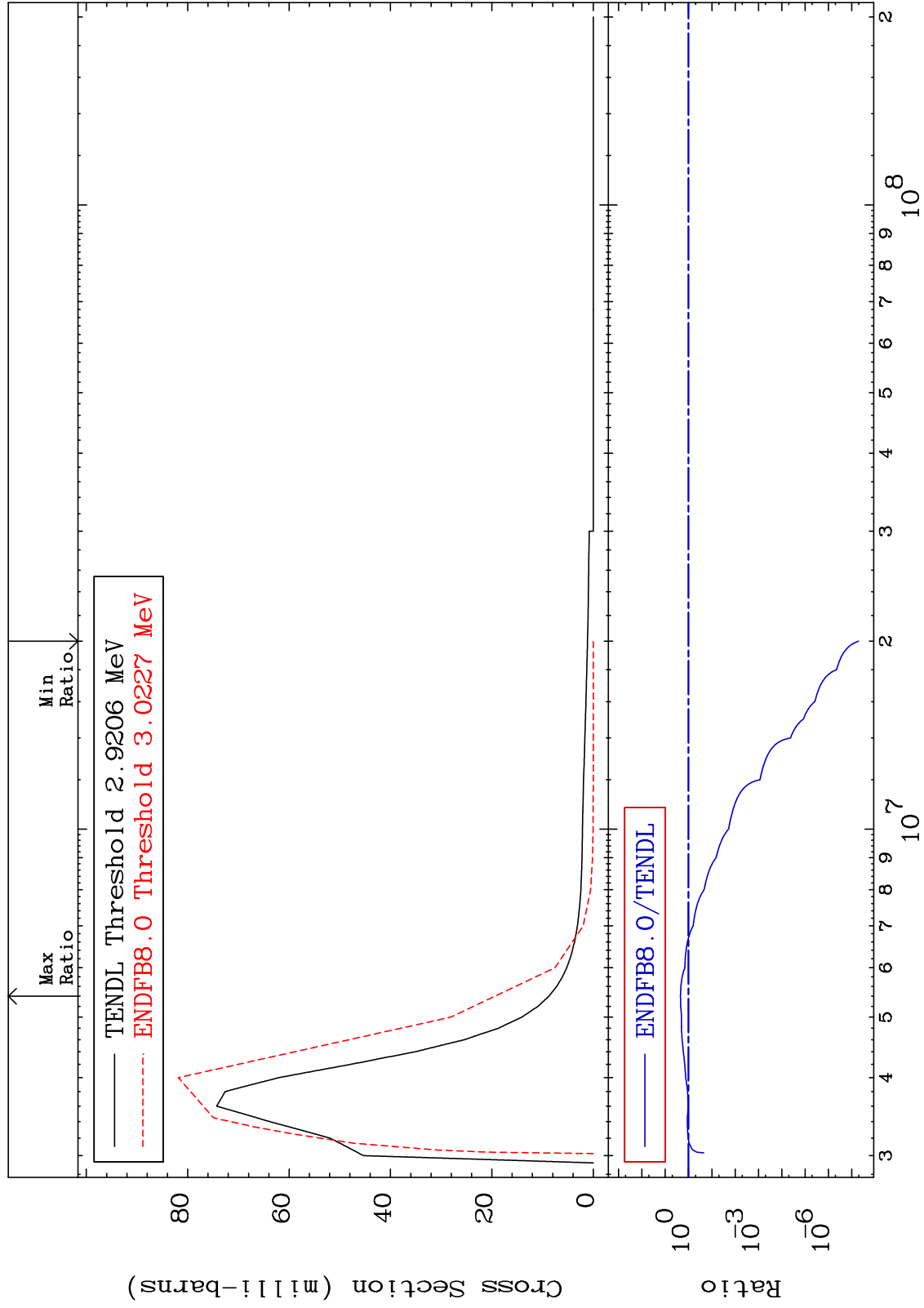
58-Ce-140
-100.0 To 115.1 %



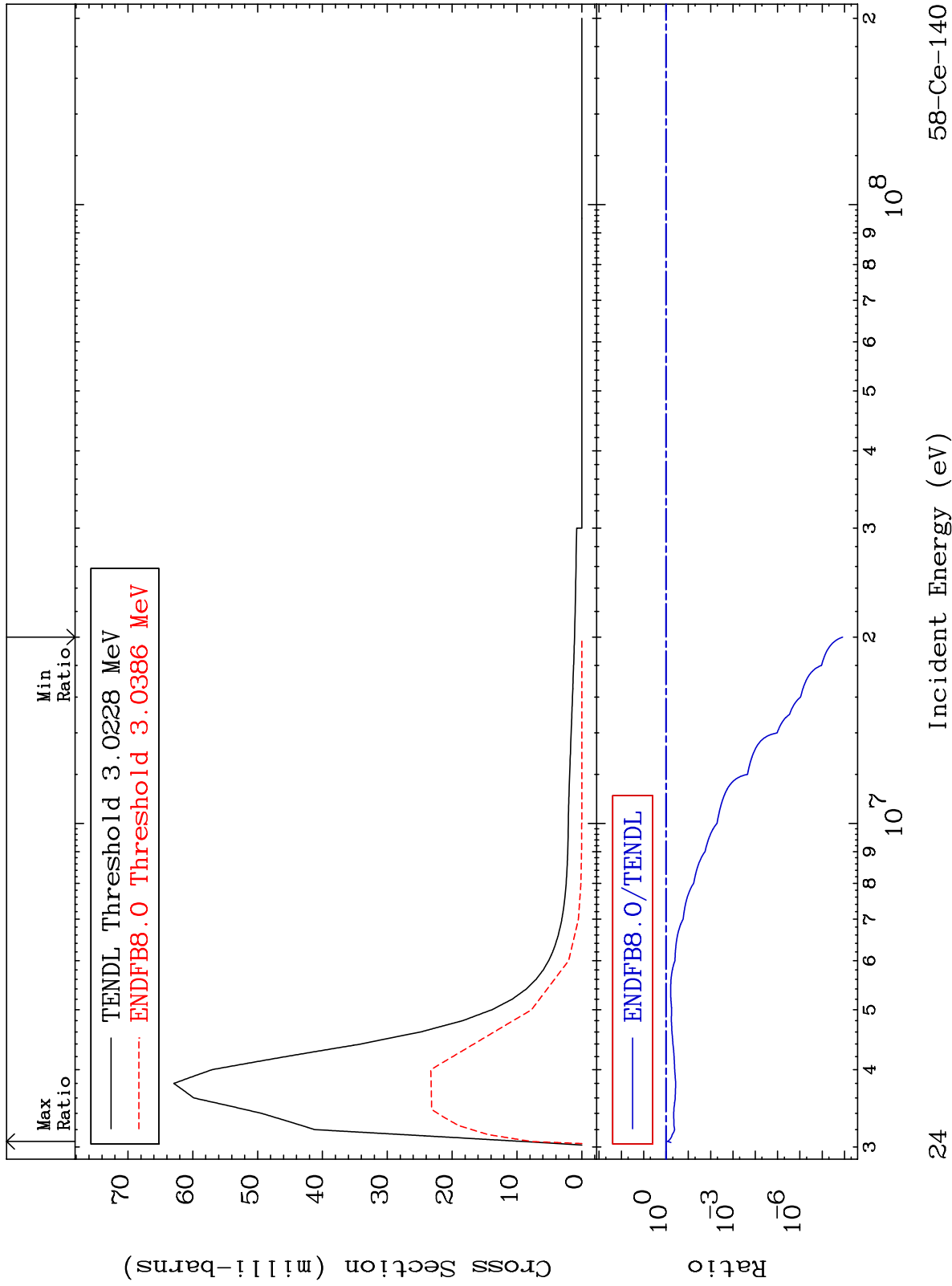
MAT 5837

MT= 65 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 121.9 %



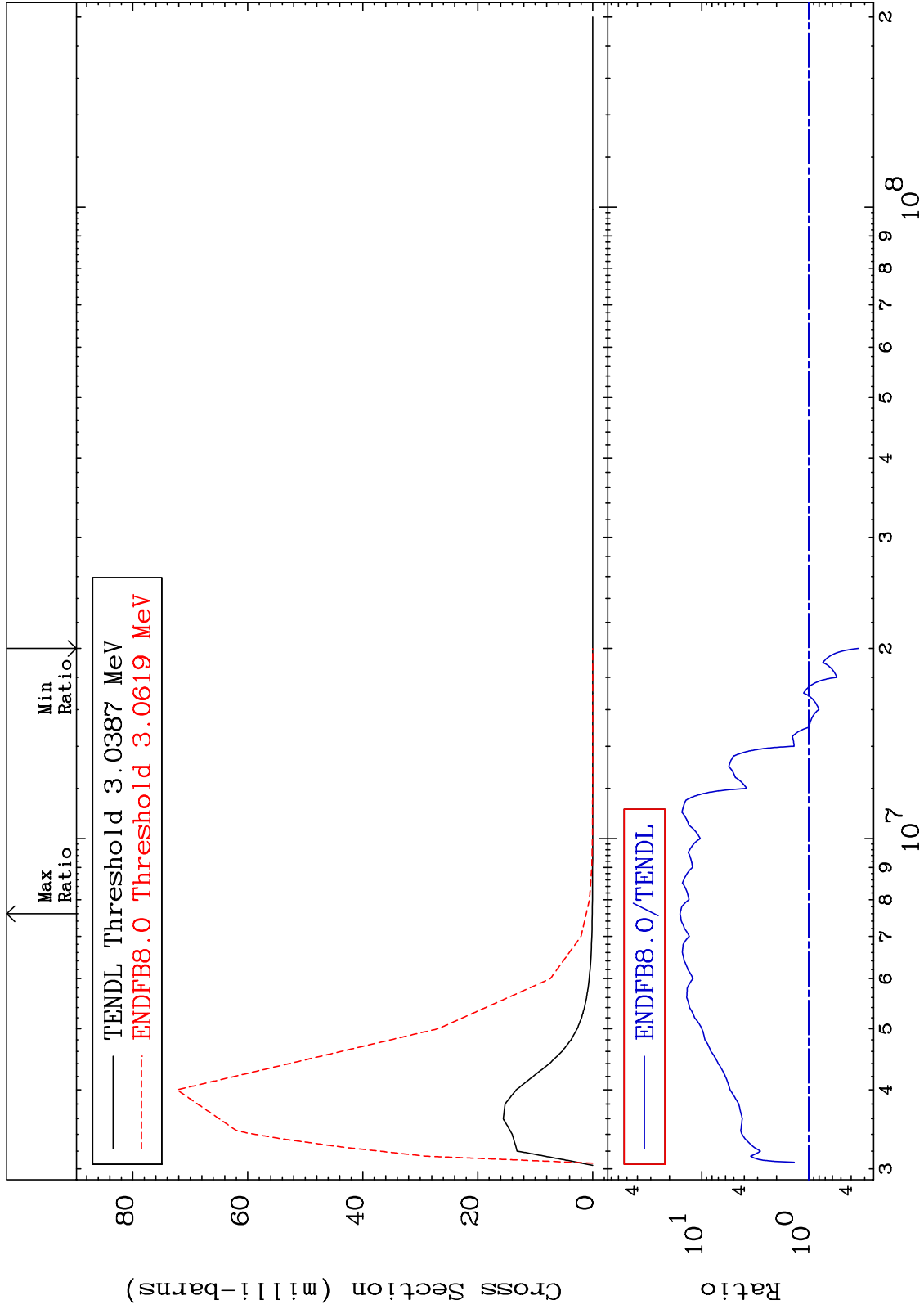
MAT 5837 MT= 66 (n,n') Level Cross Section 58-Ce-140 -100.0 To -14.67%



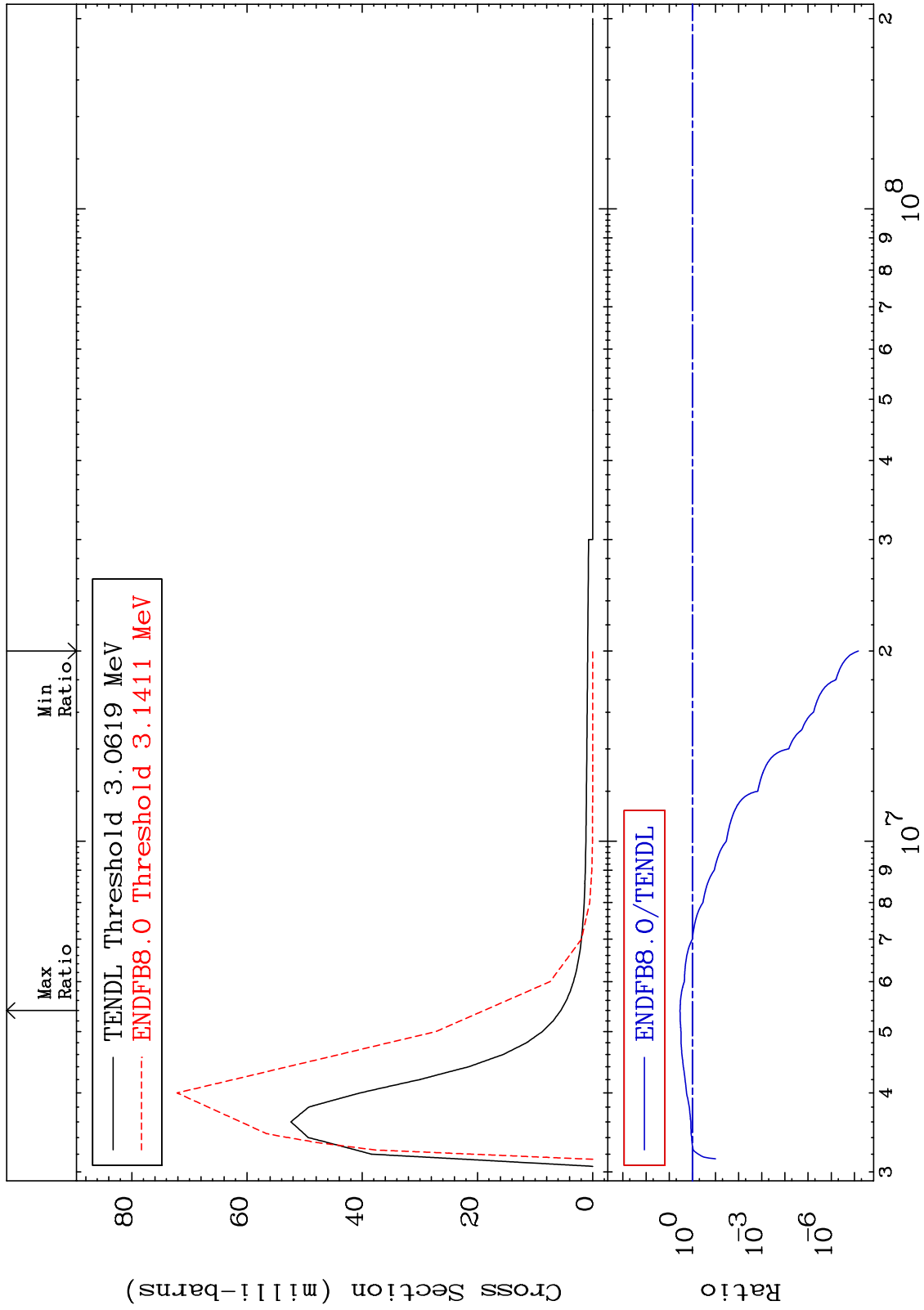
MAT 5837

MT= 67 (n,n') Level
Cross Section

58-Ce-140
-65.72 To 1496. %

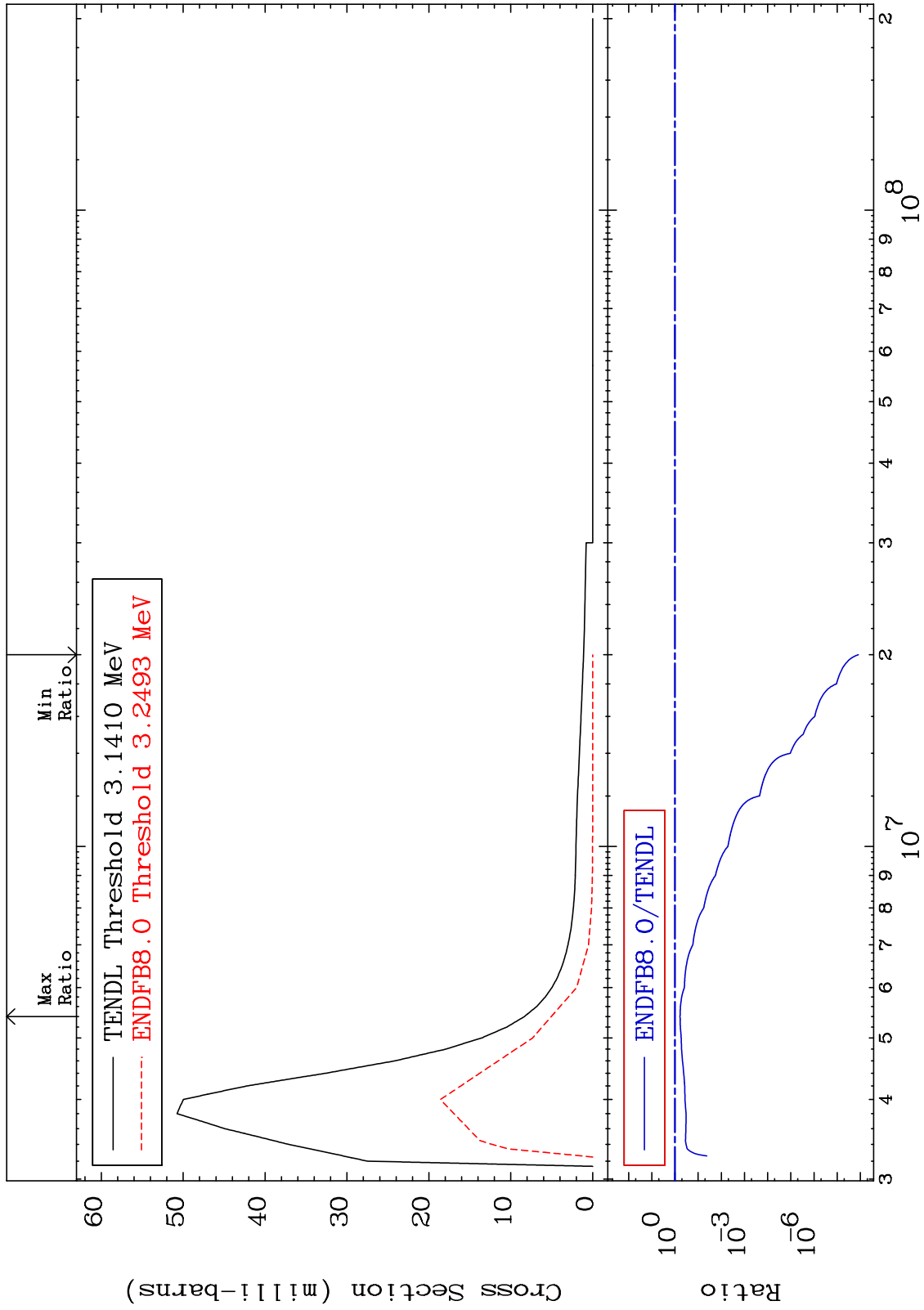


MAT 5837 MT= 68 (n,n') Level
 Cross Section 58-Ce-140
 -100.0 To 240.9 %



Incident Energy (eV) 58-Ce-140

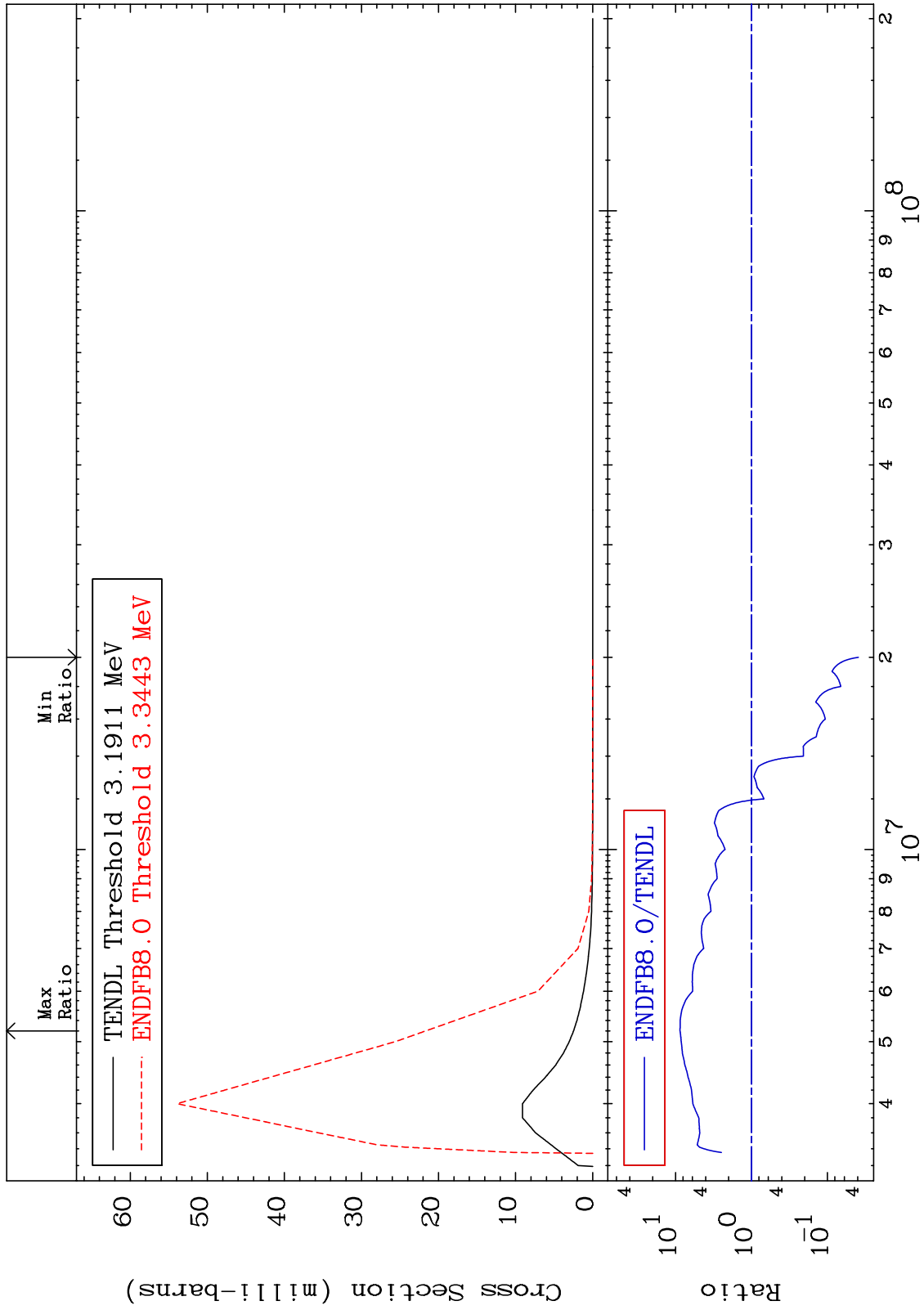
MAT 5837 MT= 69 (n,n') Level
 Cross Section 58-Ce-140
 -100.0 To -39.33%



58-Ce-140

Incident Energy (eV)

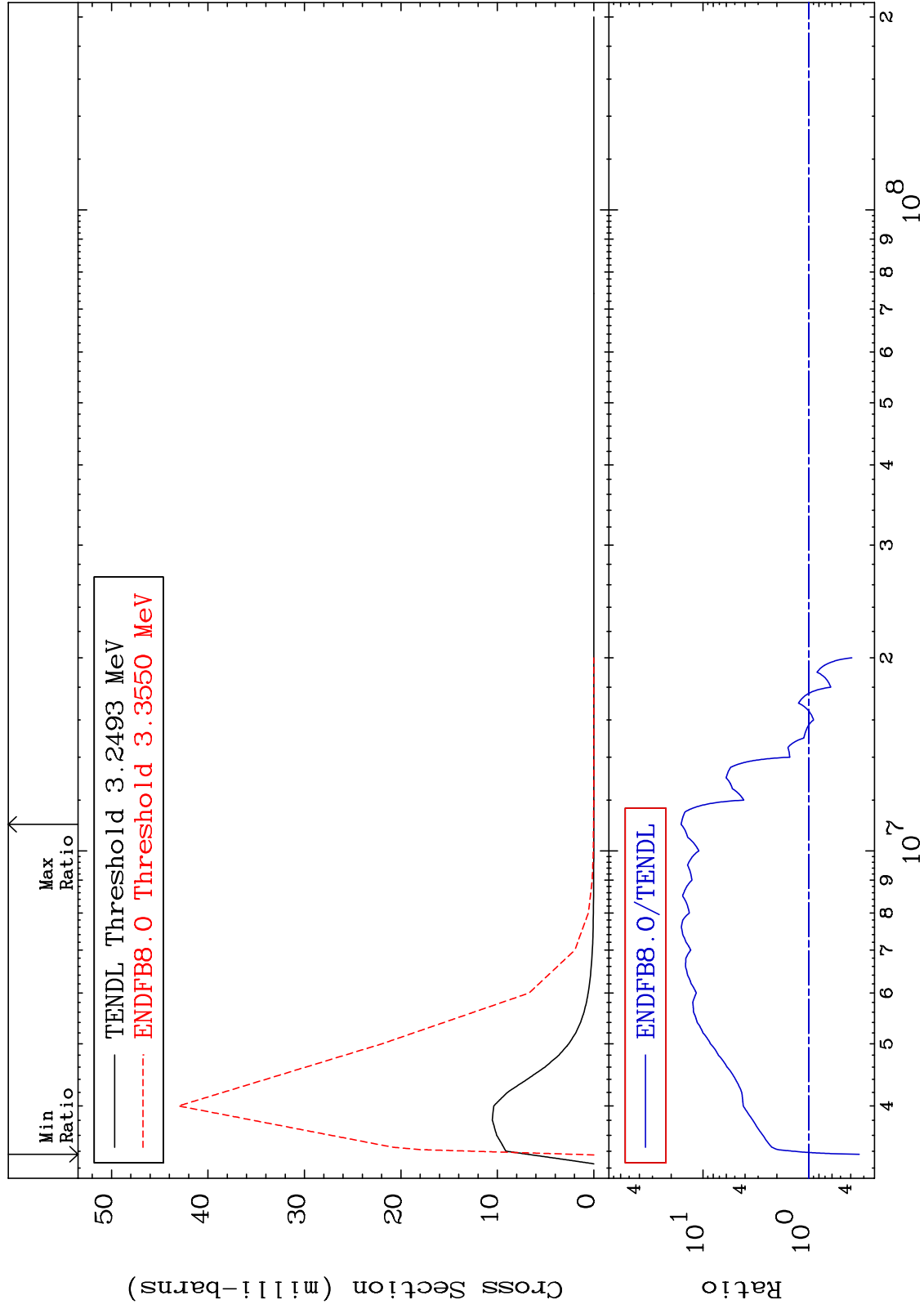
MAT 5837 MT= 70 (n,n') Level
 Cross Section 58-Ce-140
 -96.09 To 773.4 %



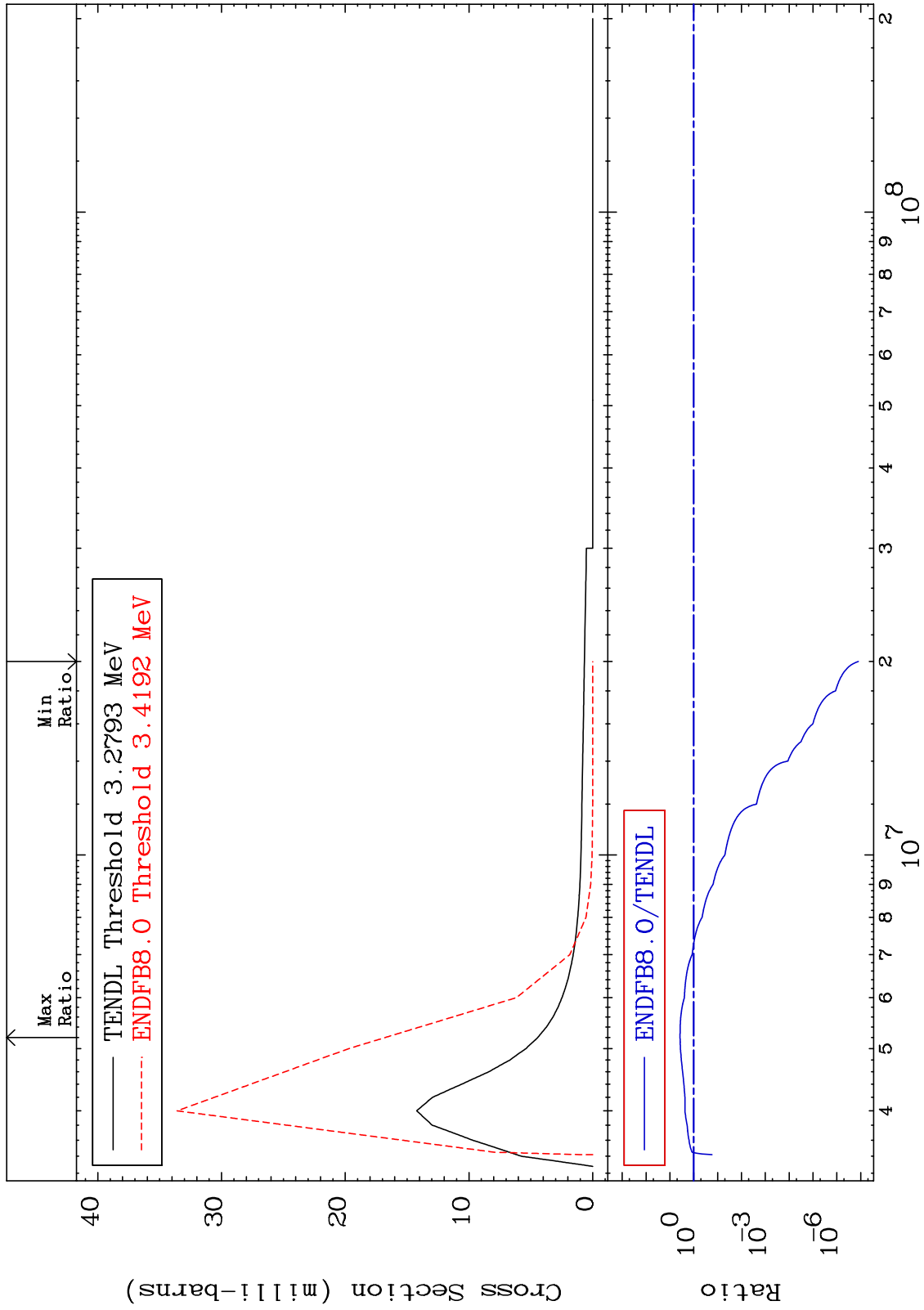
MAT 5837

MT= 71 (n,n') Level
Cross Section

58-Ce-140
-66.85 To 1510. %

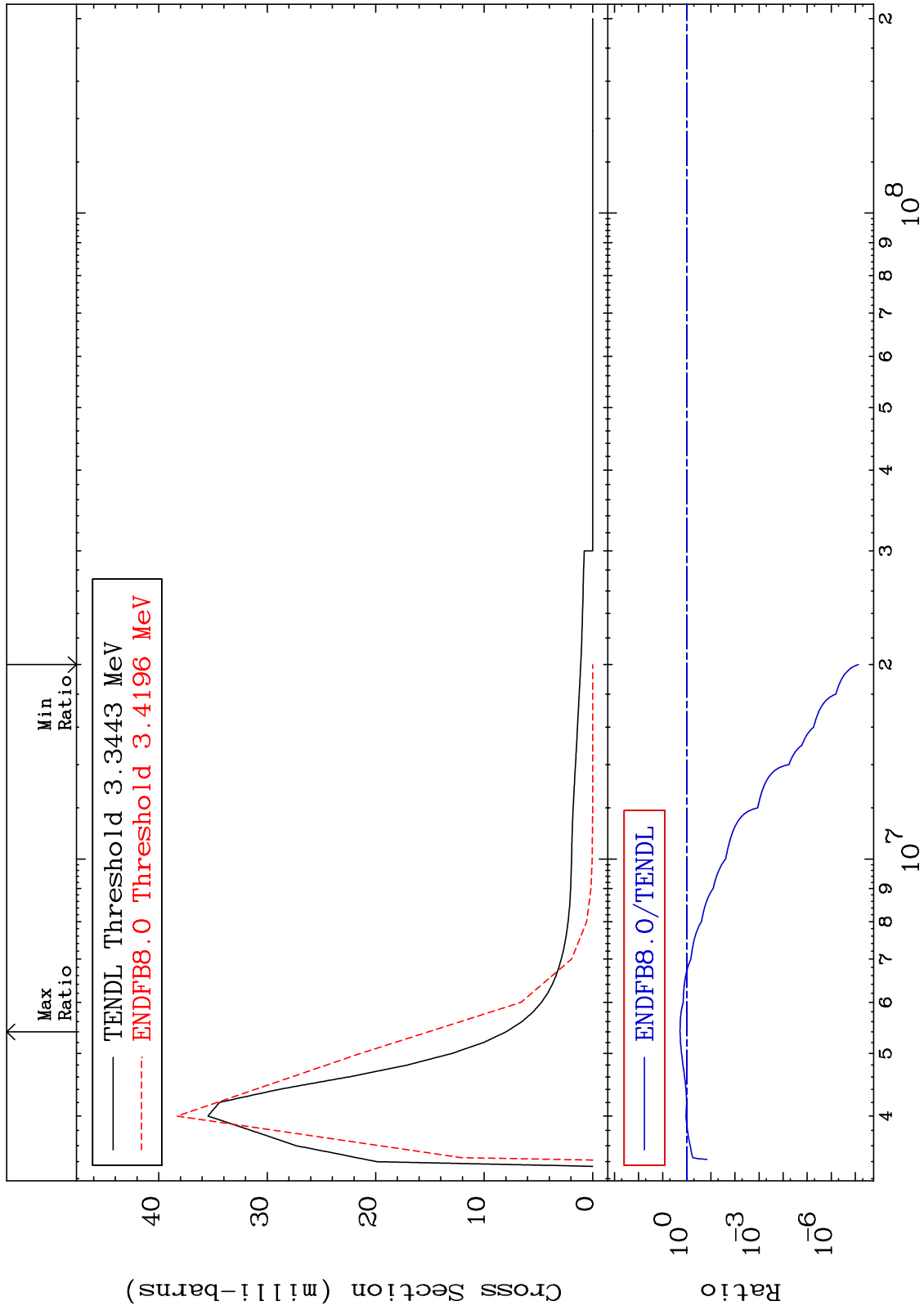


MAT 5837 MT= 72 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 277.7 %



30 Incident Energy (eV) 58-Ce-140

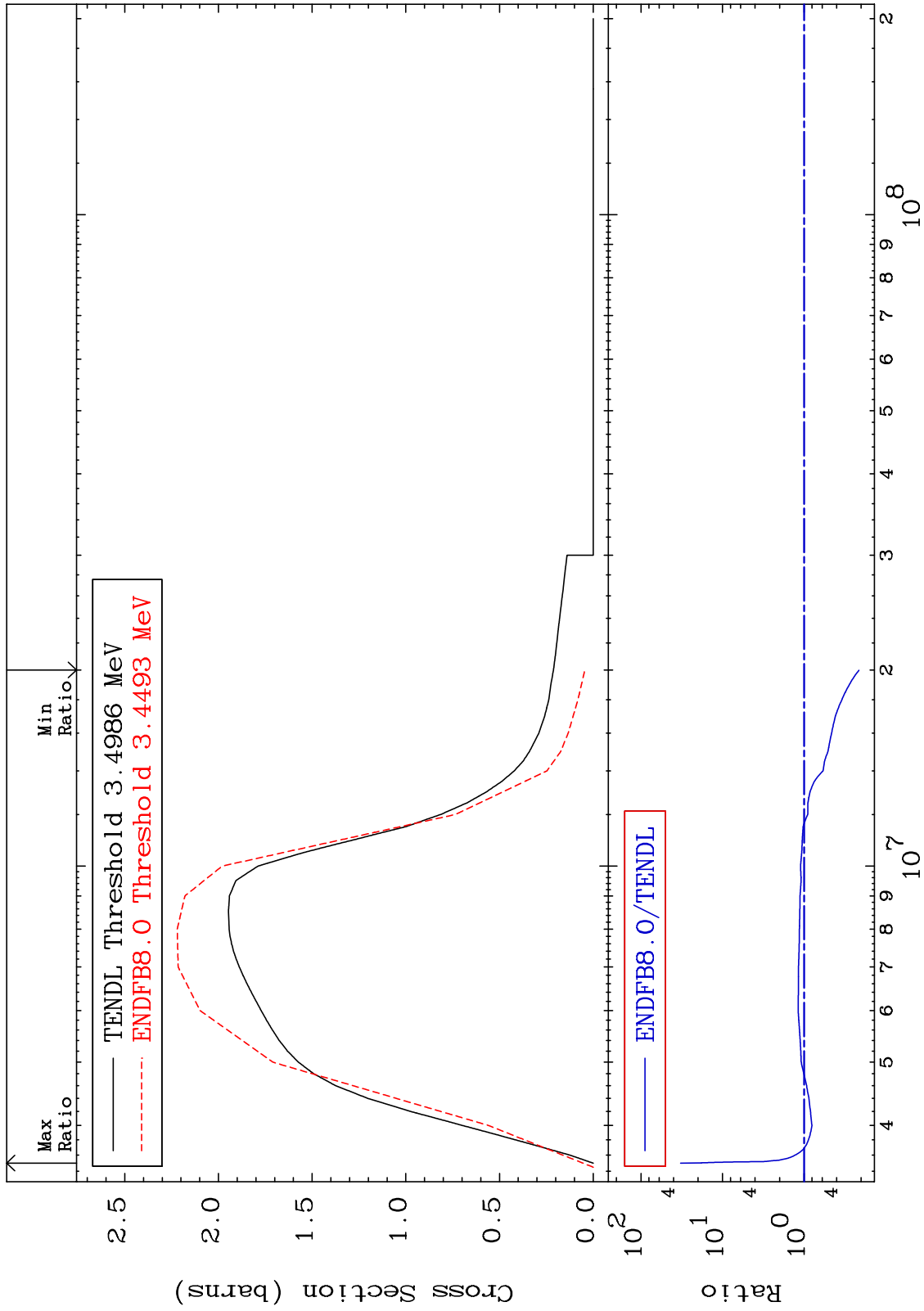
MAT 5837 MT= 73 (n,n') Level Cross Section 58-Ce-140
 -100.0 To 89.81 %



MAT 5837

(n, n') Continuum
Cross Section

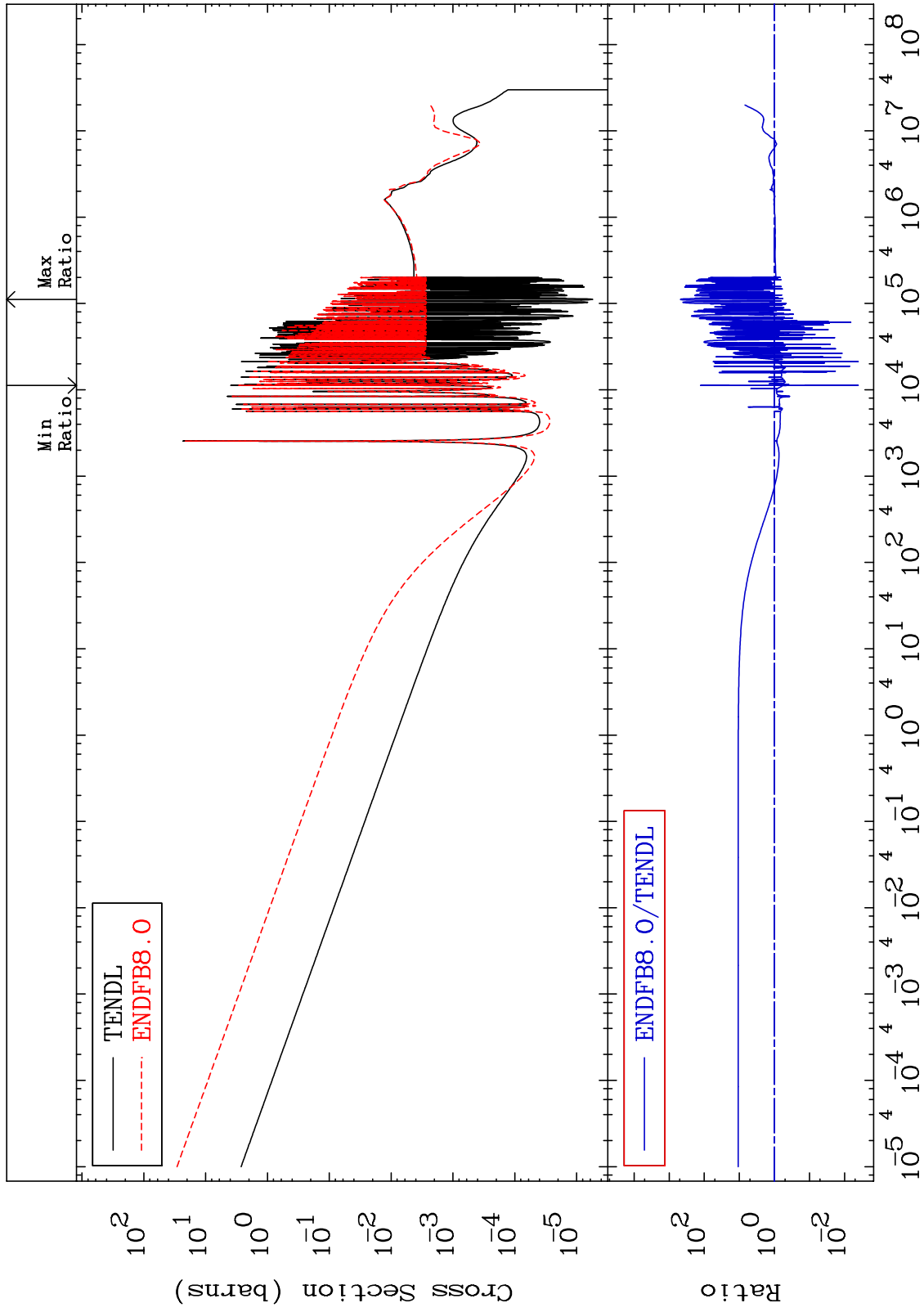
58-Ce-140
-78.86 To 3168. %



MAT 5837

(n, γ)
Cross Section

58-Ce-140
-99.60 To 9999. %



33

Incident Energy (eV)

58-Ce-140

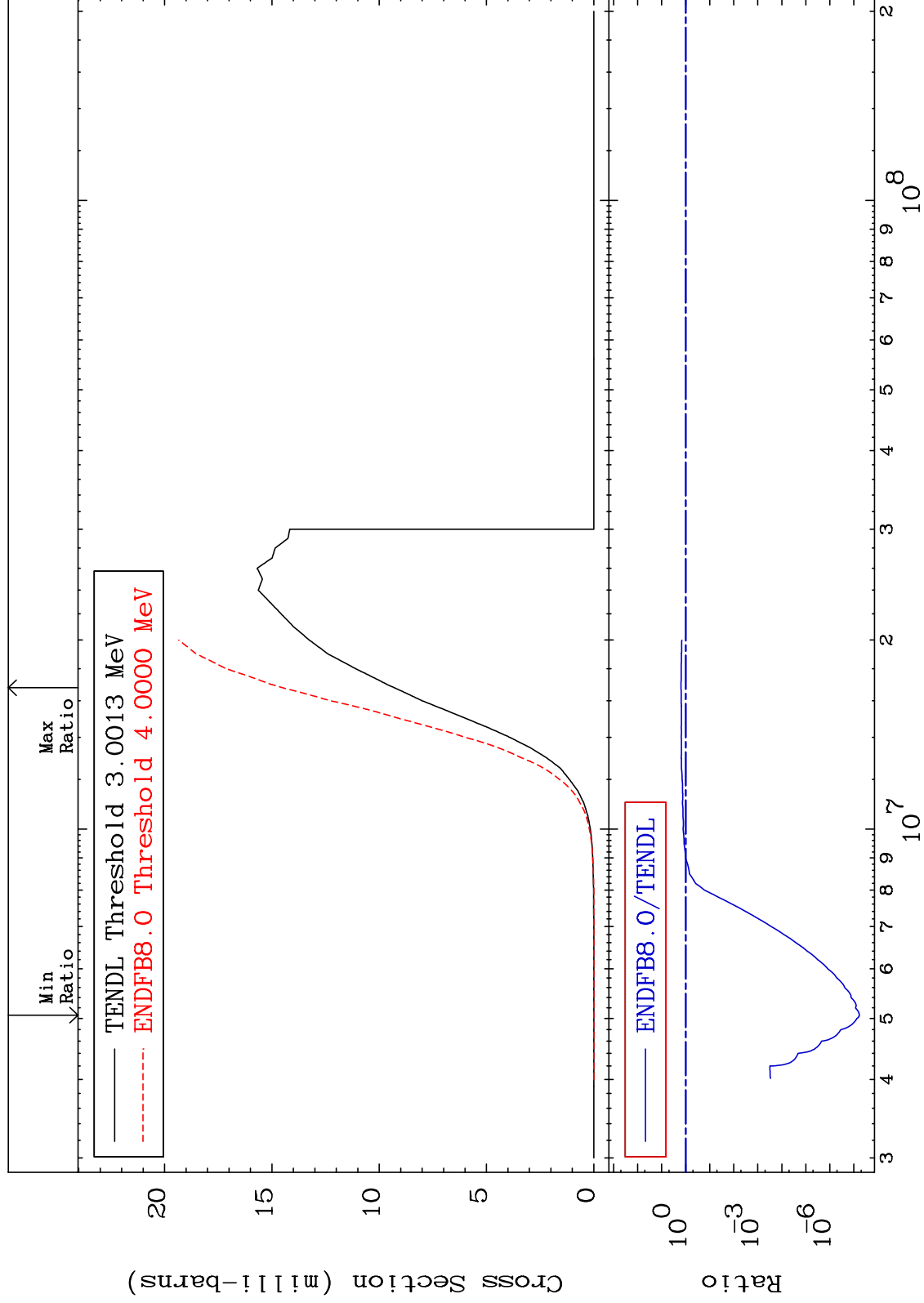
MAT 5837

(n, p)

58-Ce-140

Cross Section

-100.0 To 56.12 %



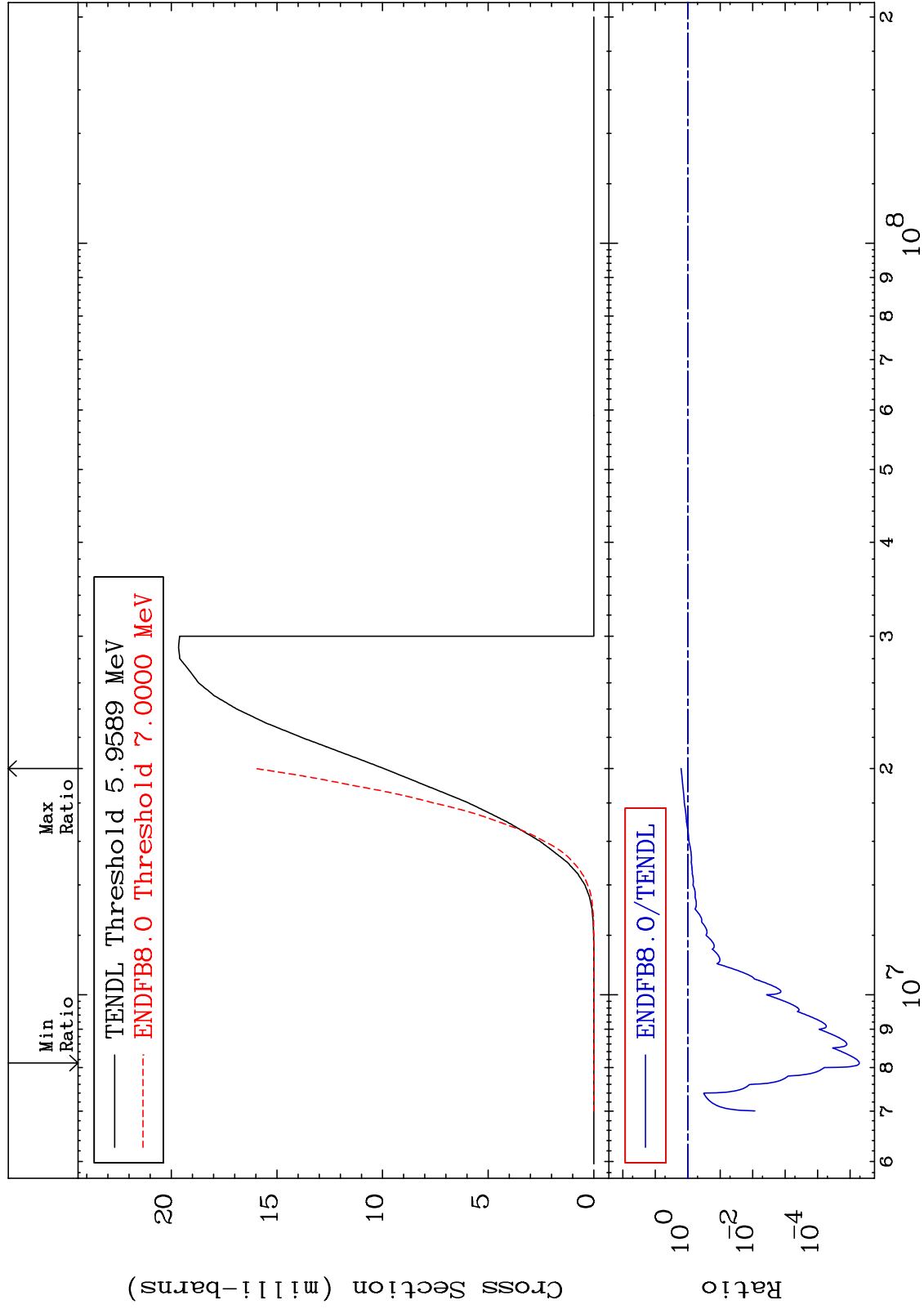
MAT 5837

(n, d)

58-Ce-140

Cross Section

-100.0 To 61.21 %



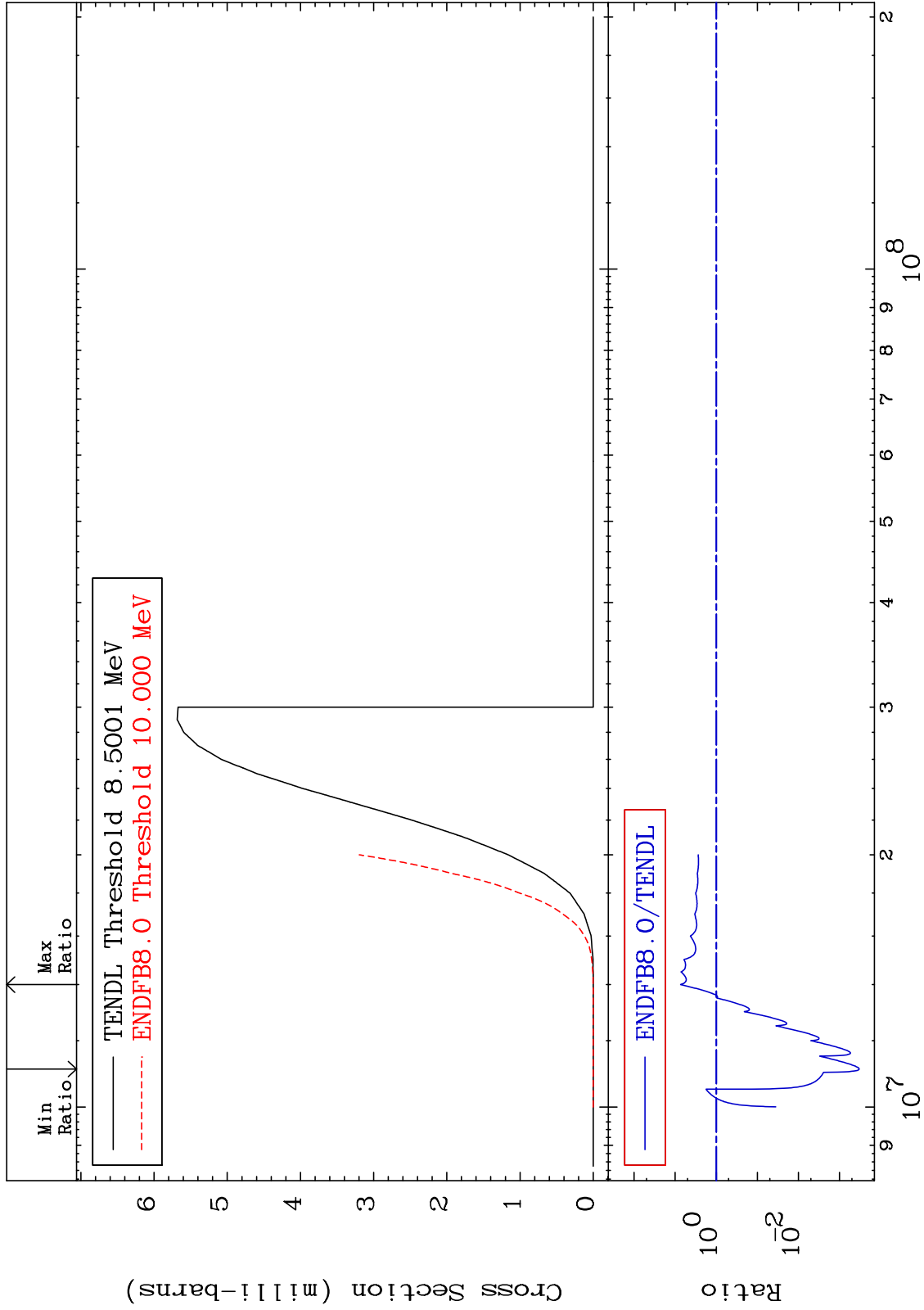
MAT 5837

(n, t)

58-Ce-140

Cross Section

-99.97 To 636.5 %



36

58-Ce-140

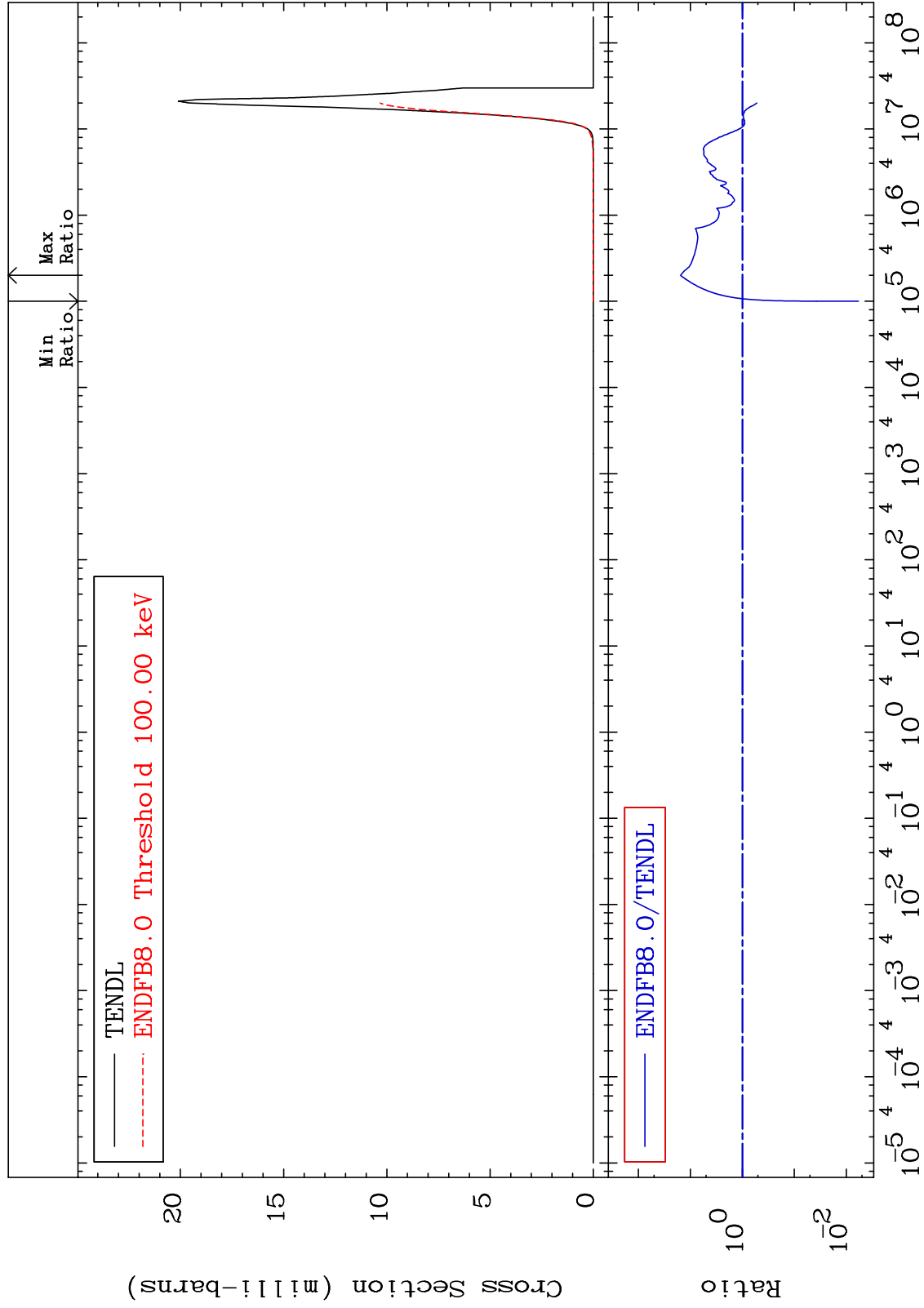
MAT 5837

(n, α)

58-Ce-140

Cross Section

-99.42 To 1451. %



37

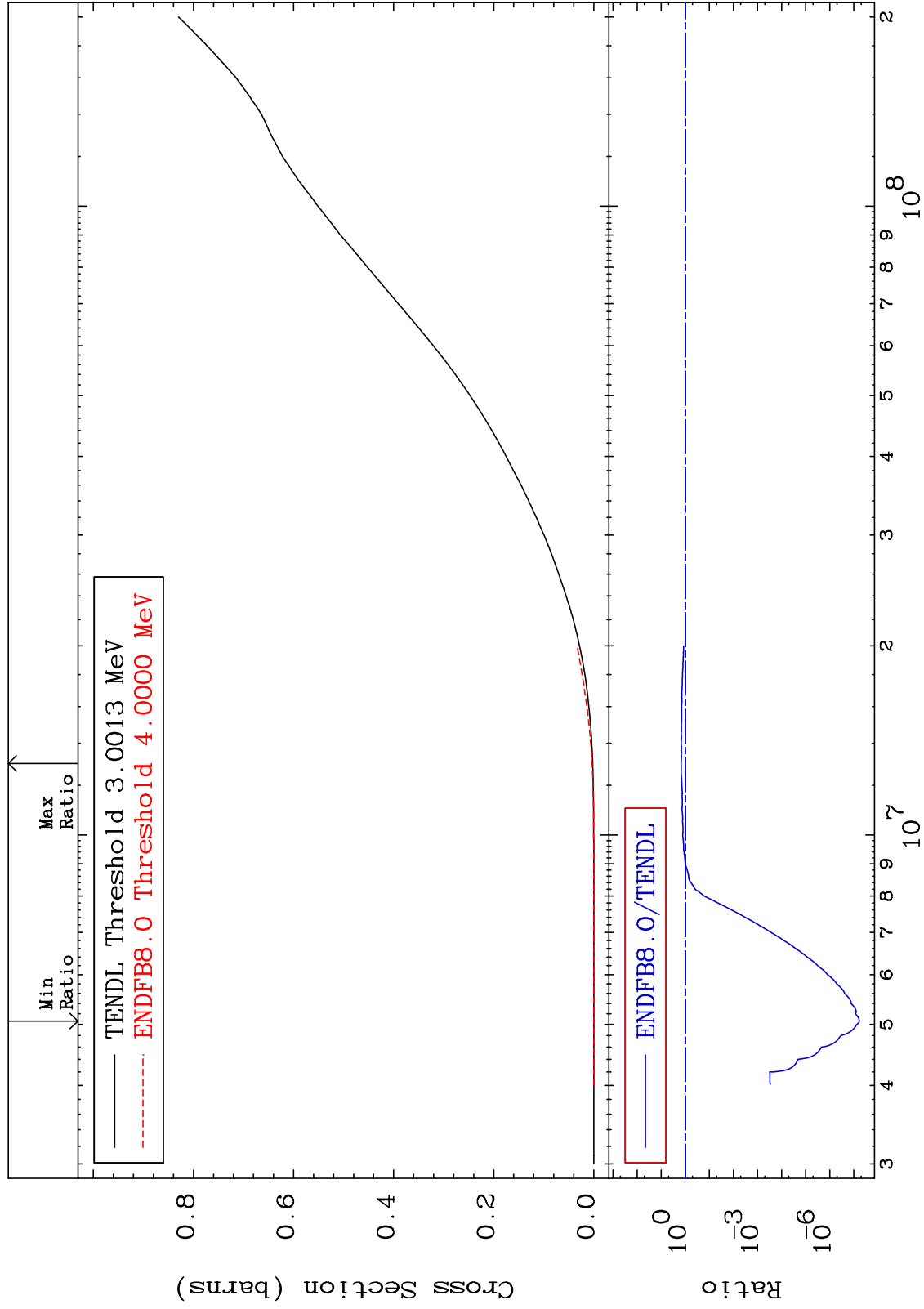
Incident Energy (eV)

58-Ce-140

MAT 5837

Hydrogen Production
Cross Section

58-Ce-140
-100.0 To 50.33 %



38

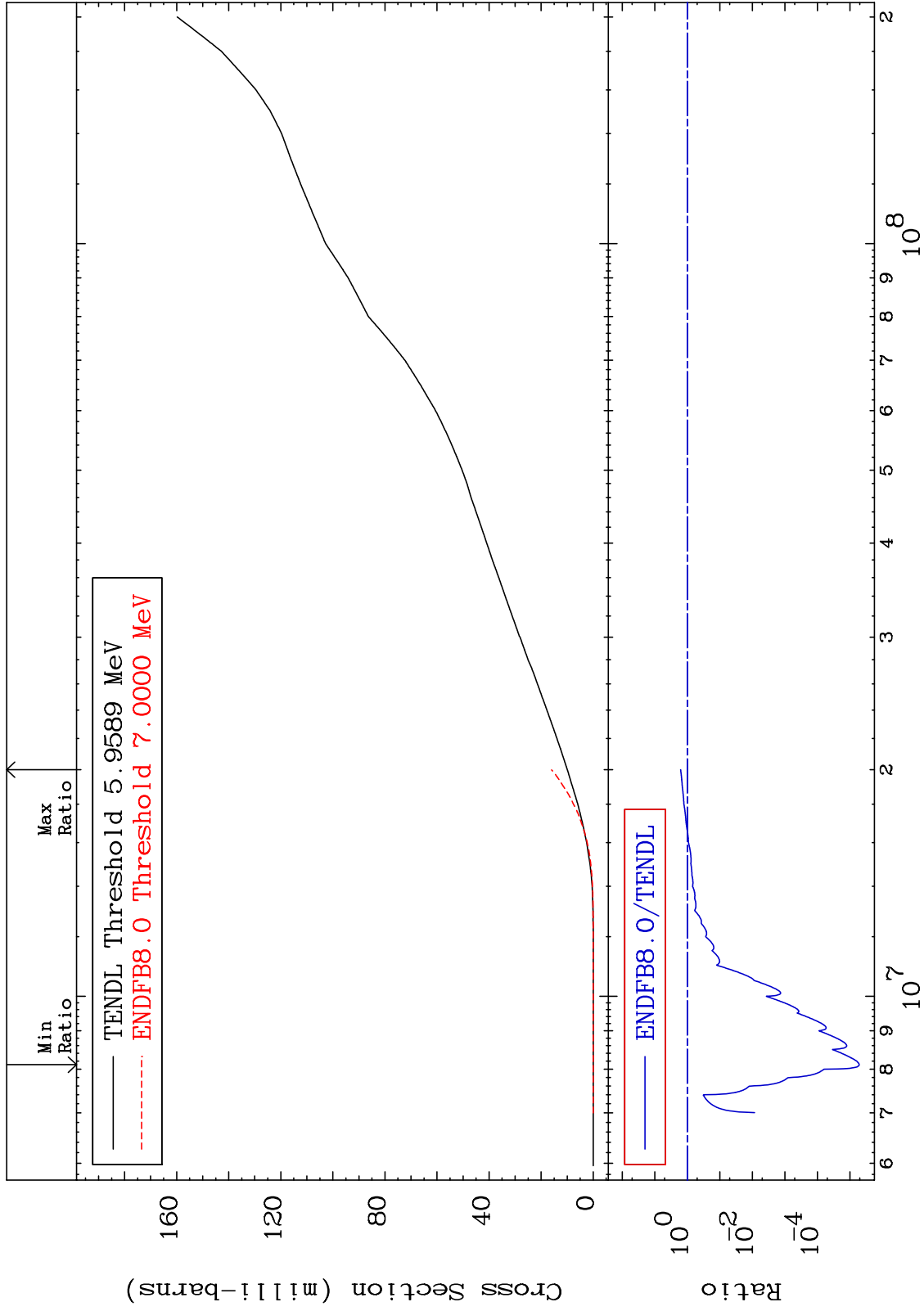
Incident Energy (eV)

58-Ce-140

MAT 5837

Deuterium Production
Cross Section

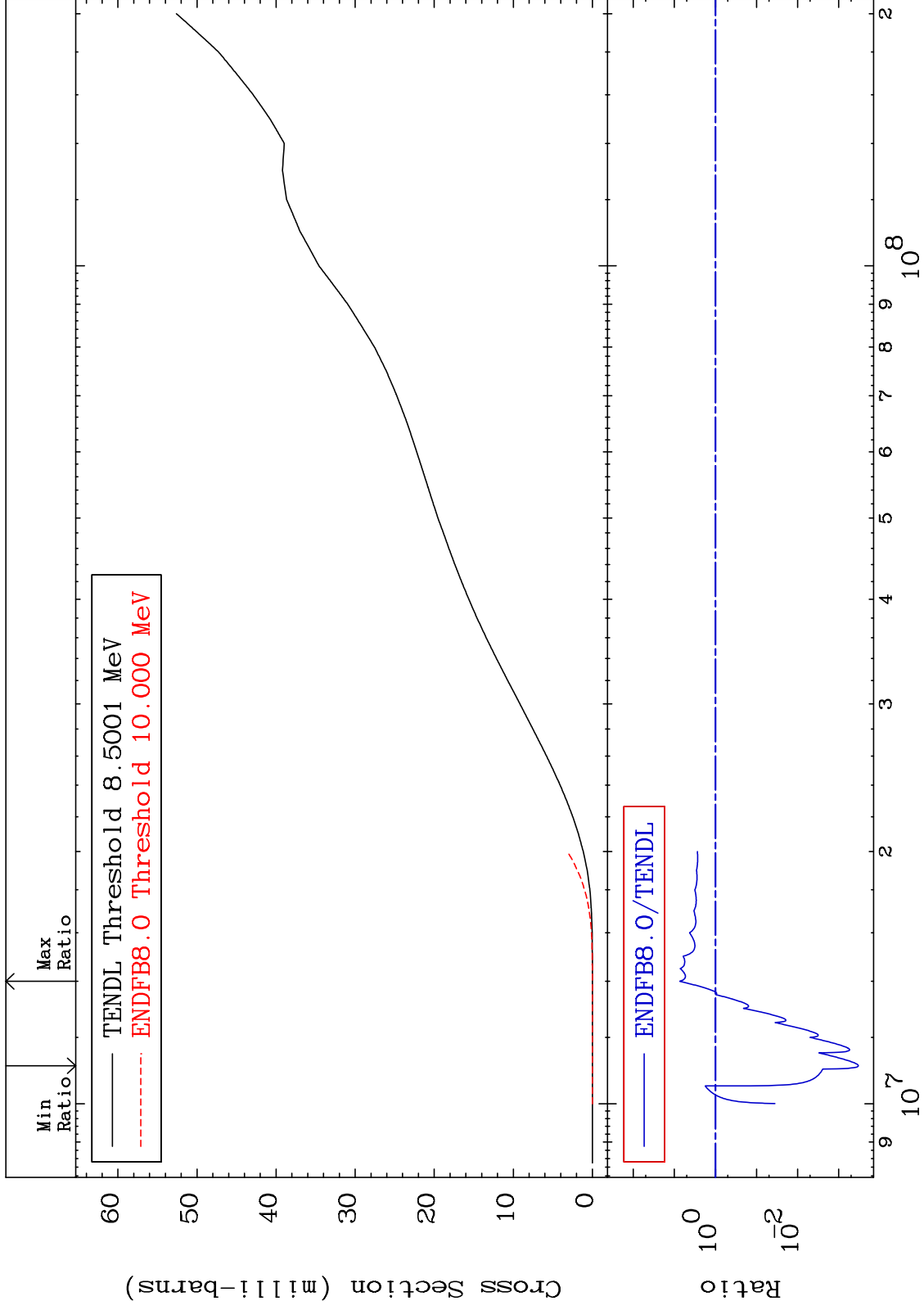
58-Ce-140
-100.0 To 61.38 %



MAT 5837

Tritium Production
Cross Section

58-Ce-140
-99.97 To 636.5 %



40

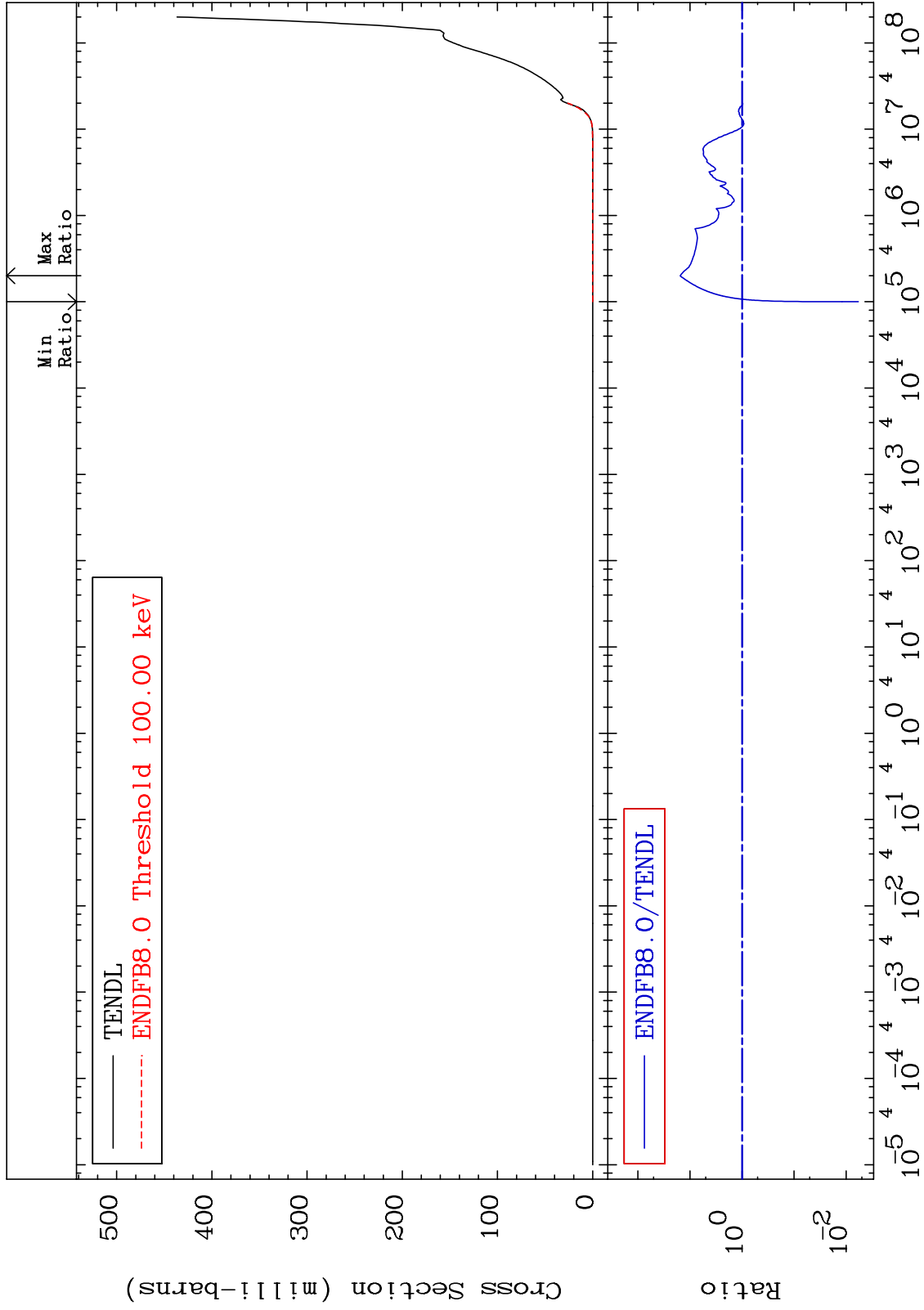
Incident Energy (eV)

58-Ce-140

MAT 5837

He-4 Production
Cross Section

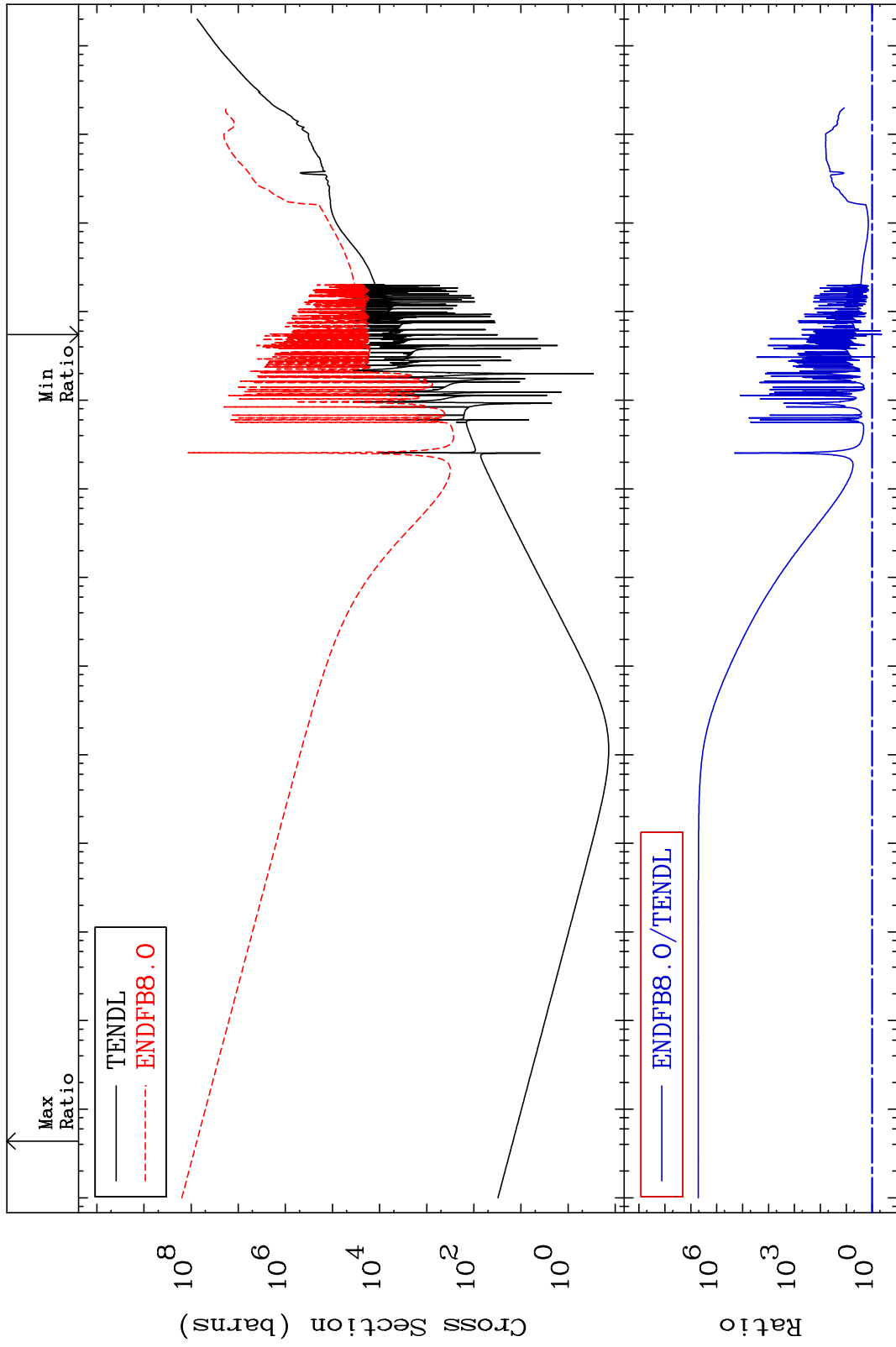
58-Ce-140
-99.42 To 1451. %



MAT 5837

Kerma total (eV-barns)
Cross Section

58-Ce-140
-56.51 To 9999. %



42

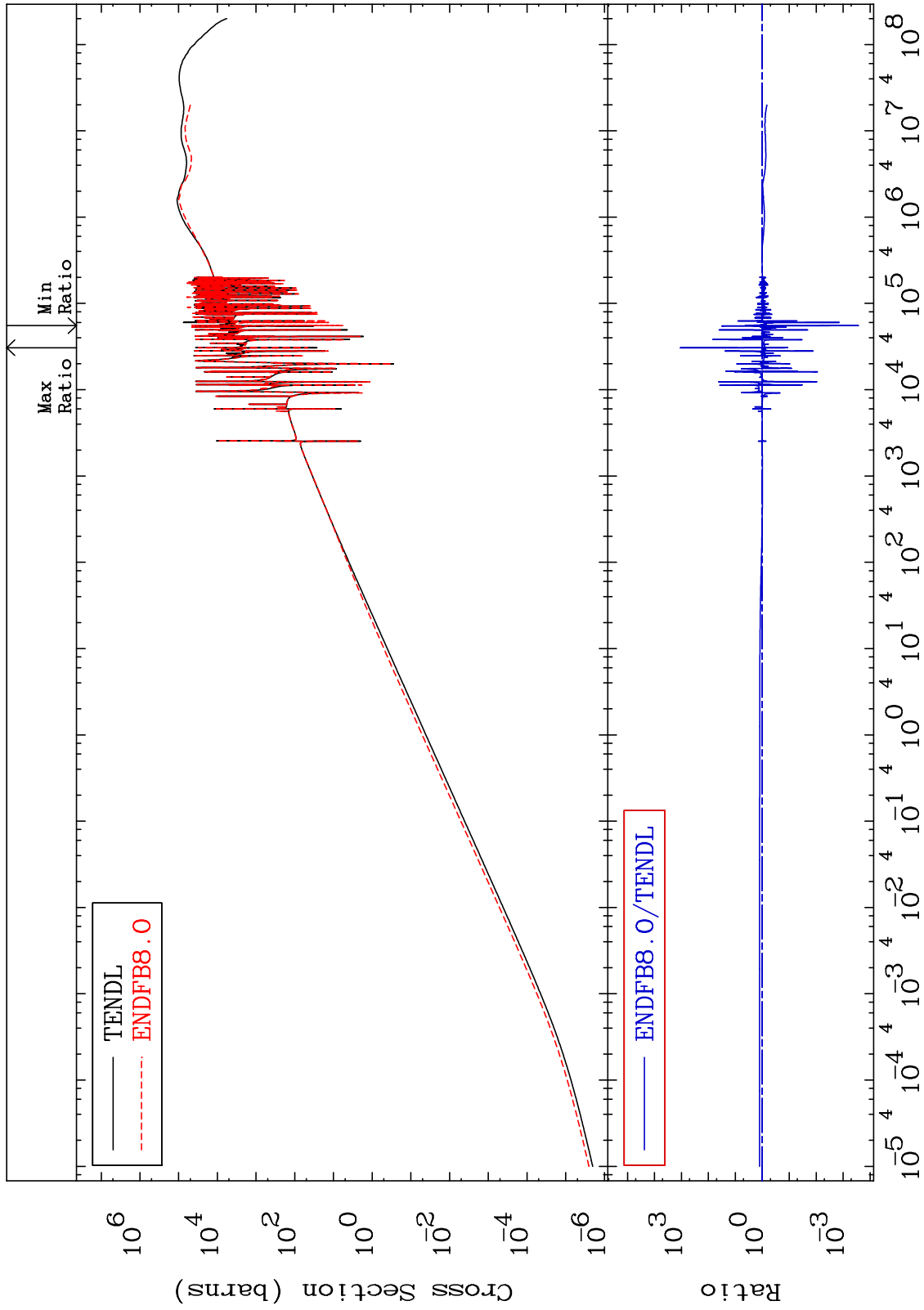
Incident Energy (eV)

58-Ce-140

MAT 5837

Kerma elastic
Cross Section

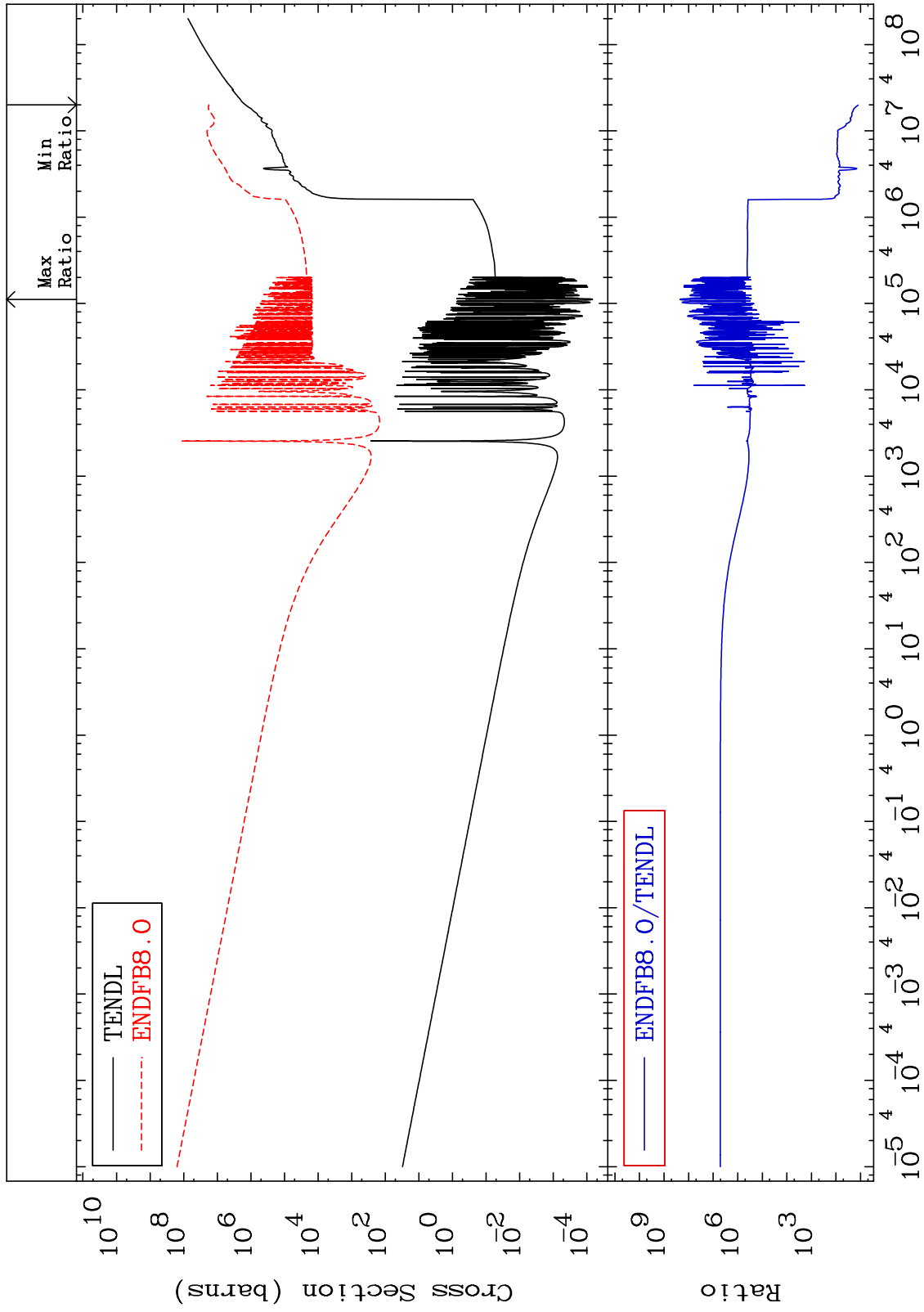
58-Ce-140
-99.97 To 9999. %



MAT 5837

Kerma non-elastic (all but mt2)
Cross Section

58-Ce-140
1124. To 9999. %



44

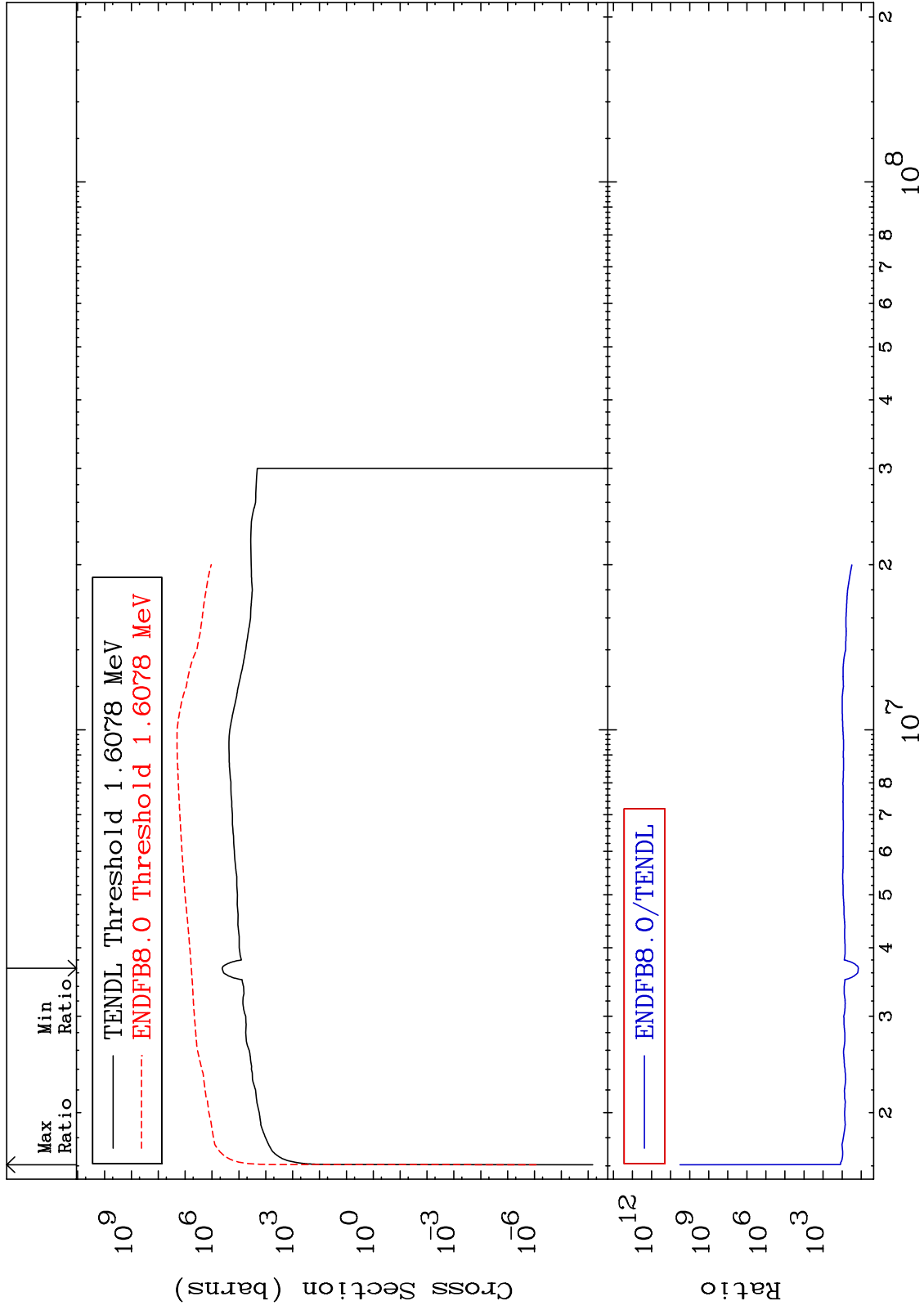
Incident Energy (eV)

58-Ce-140

MAT 5837

Kerma inelastic (mt51-91)
Cross Section

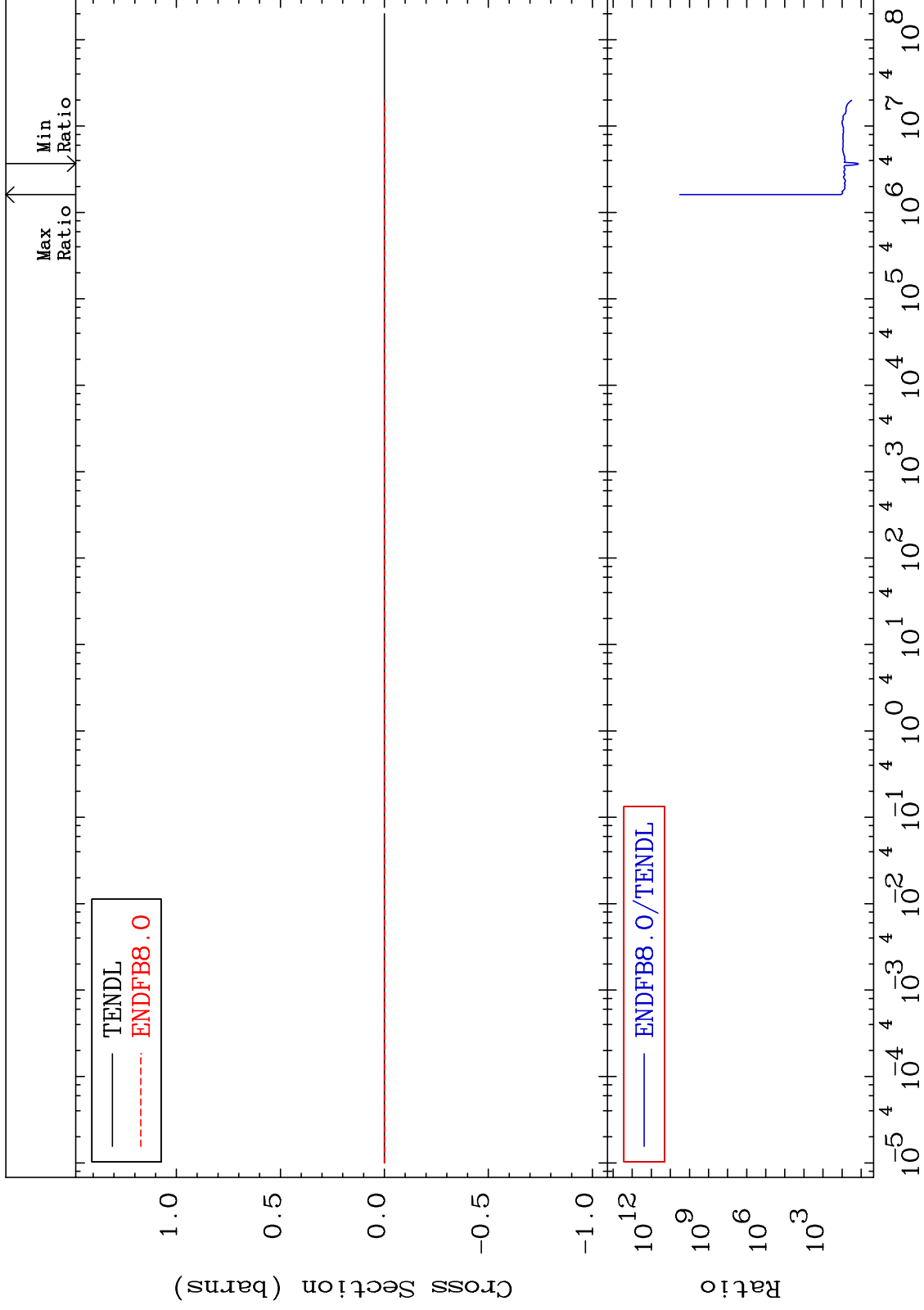
58-Ce-140
1299. To 9999. %



MAT 5837

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

58-Ce-140
1299. To 9999. %



46

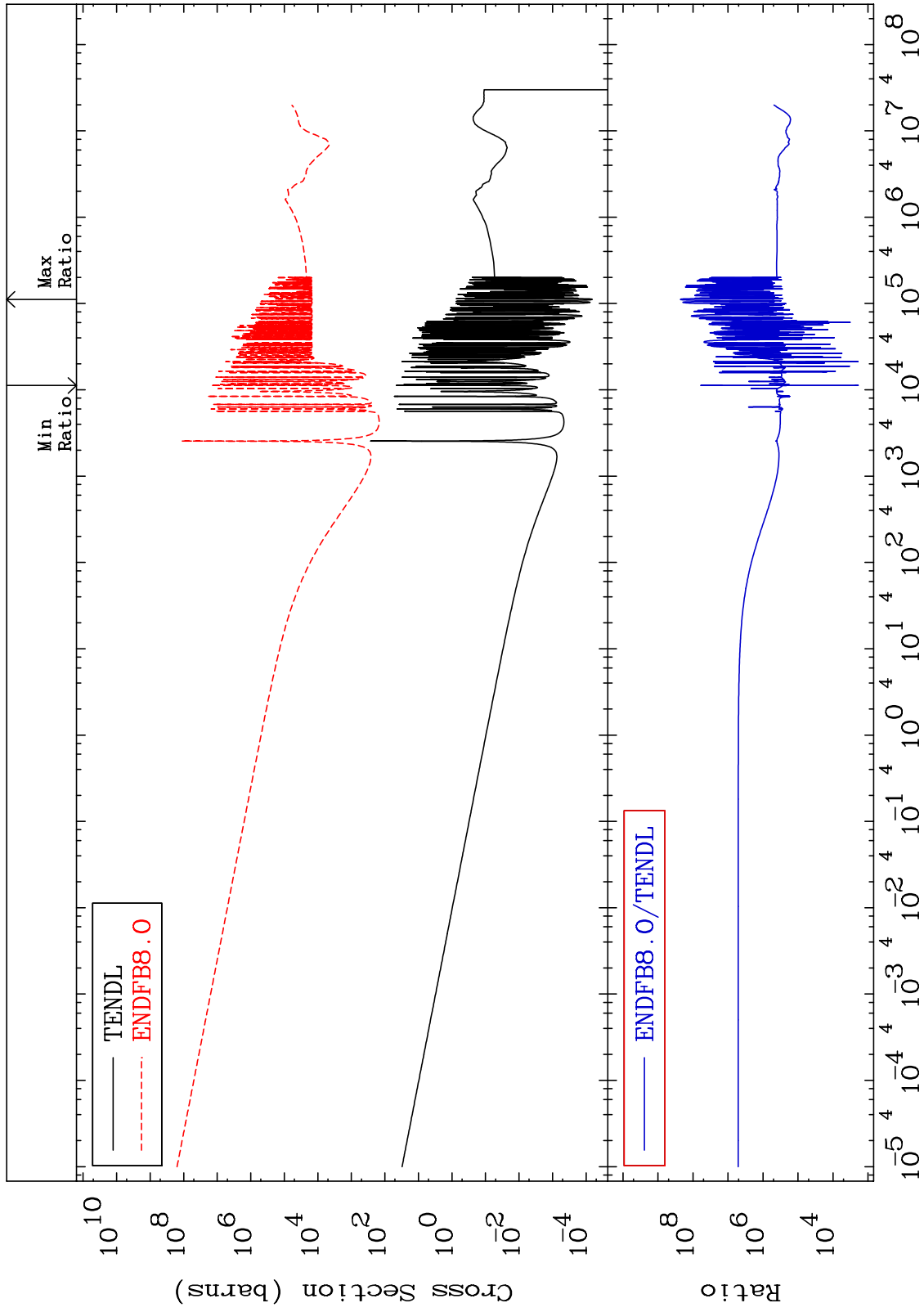
Incident Energy (eV)

58-Ce-140

MAT 5837

Kerma capture (mt102)
Cross Section

58-Ce-140
9999. To 9999. %



47

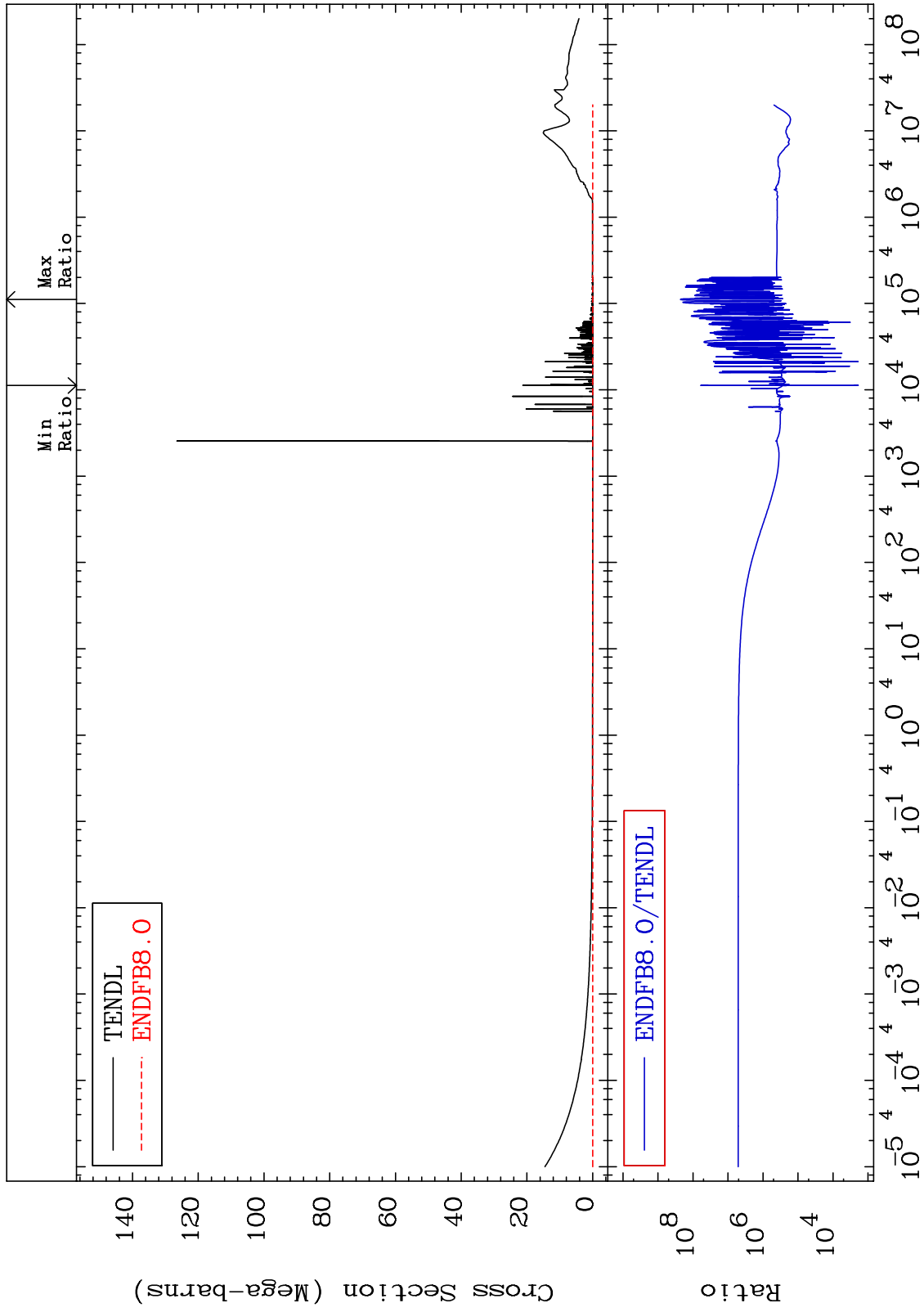
Incident Energy (eV)

58-Ce-140

MAT 5837

Total photon (eV-barns)
Cross Section

58-Ce-140
9999. To 9999. %



48

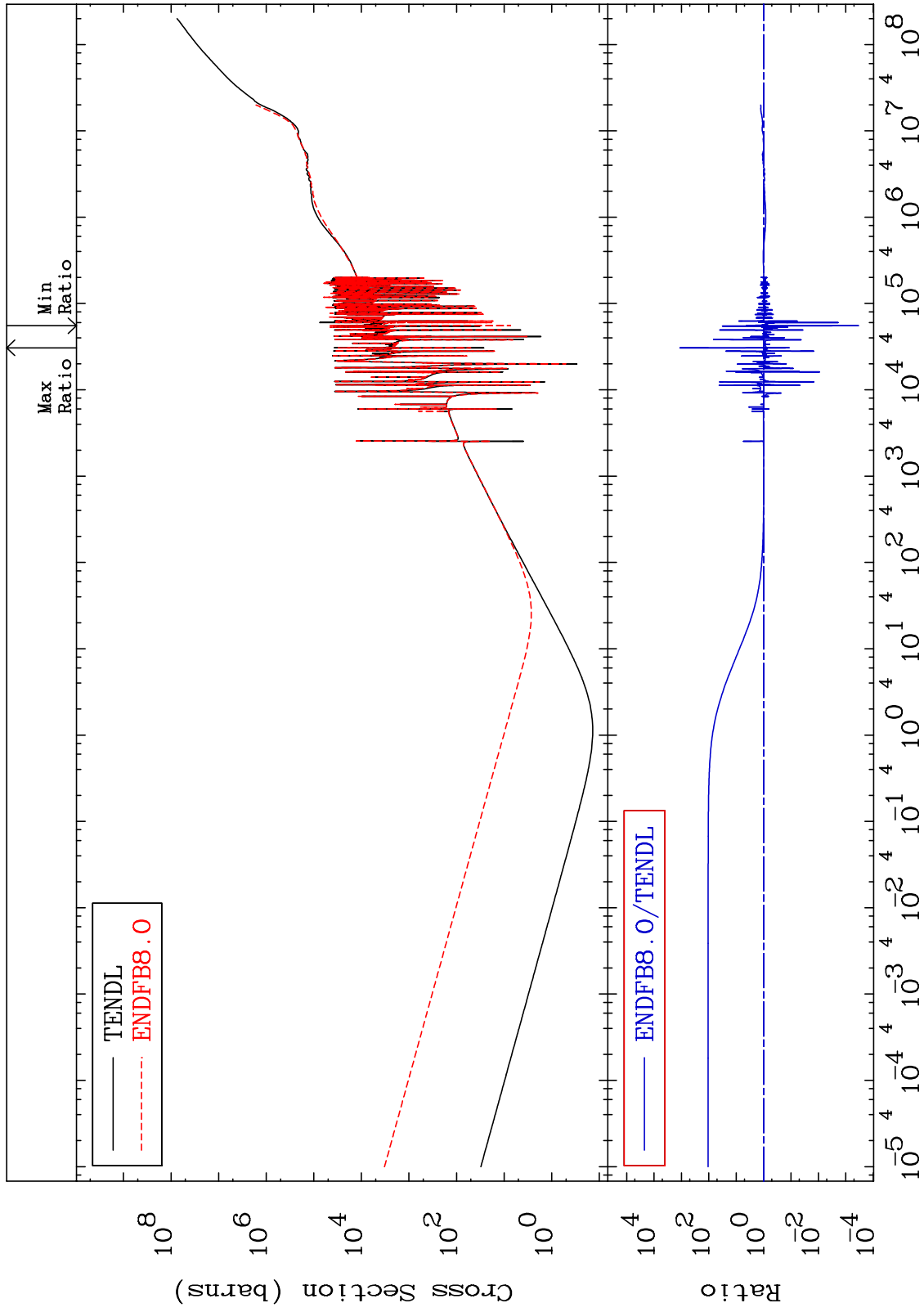
Incident Energy (eV)

58-Ce-140

MAT 5837

Total kinematic kerma (high limit)
Cross Section

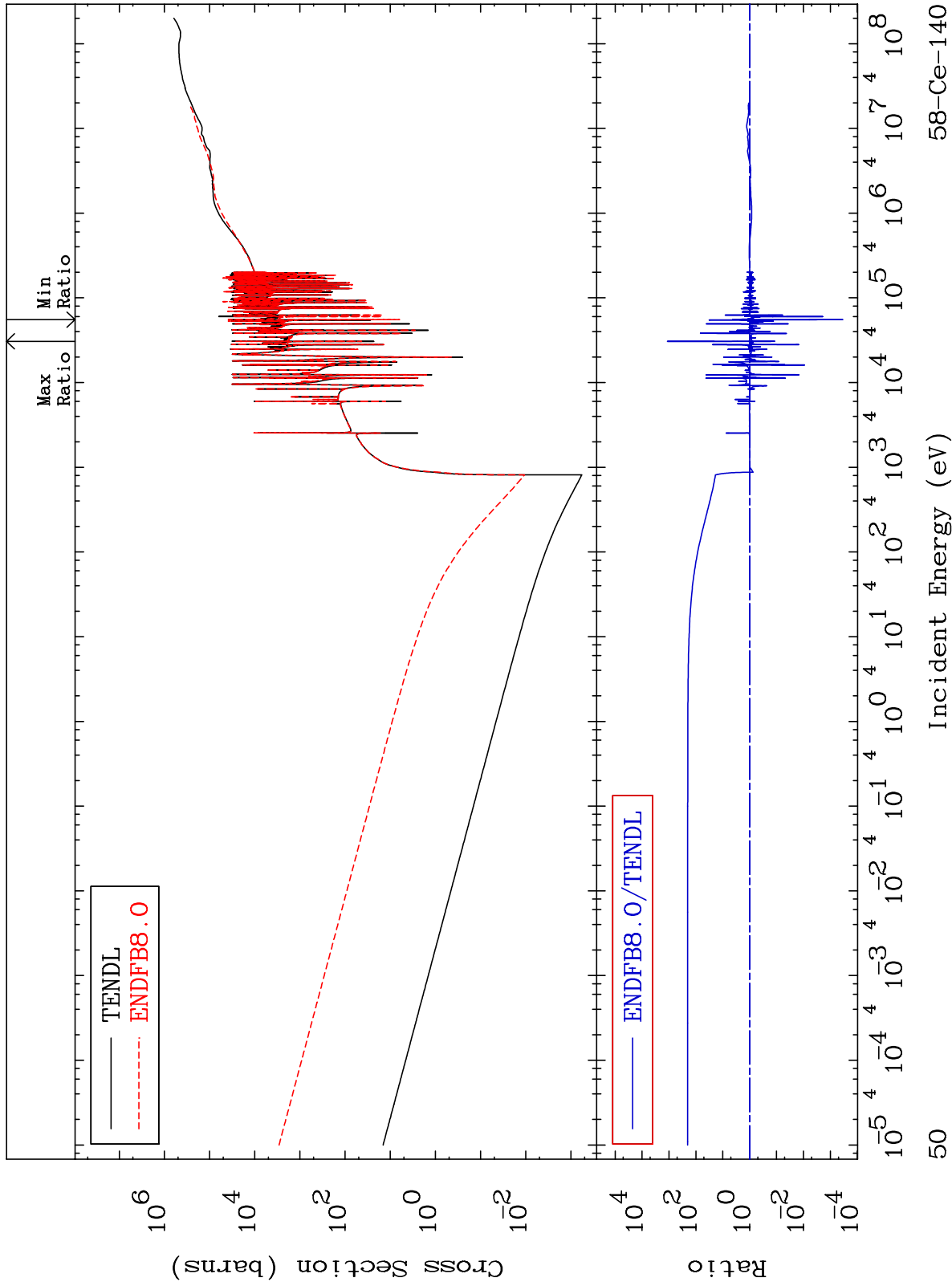
58-Ce-140
-99.97 To 9999. %



MAT 5837

Dpa total (eV-barns)
Cross Section

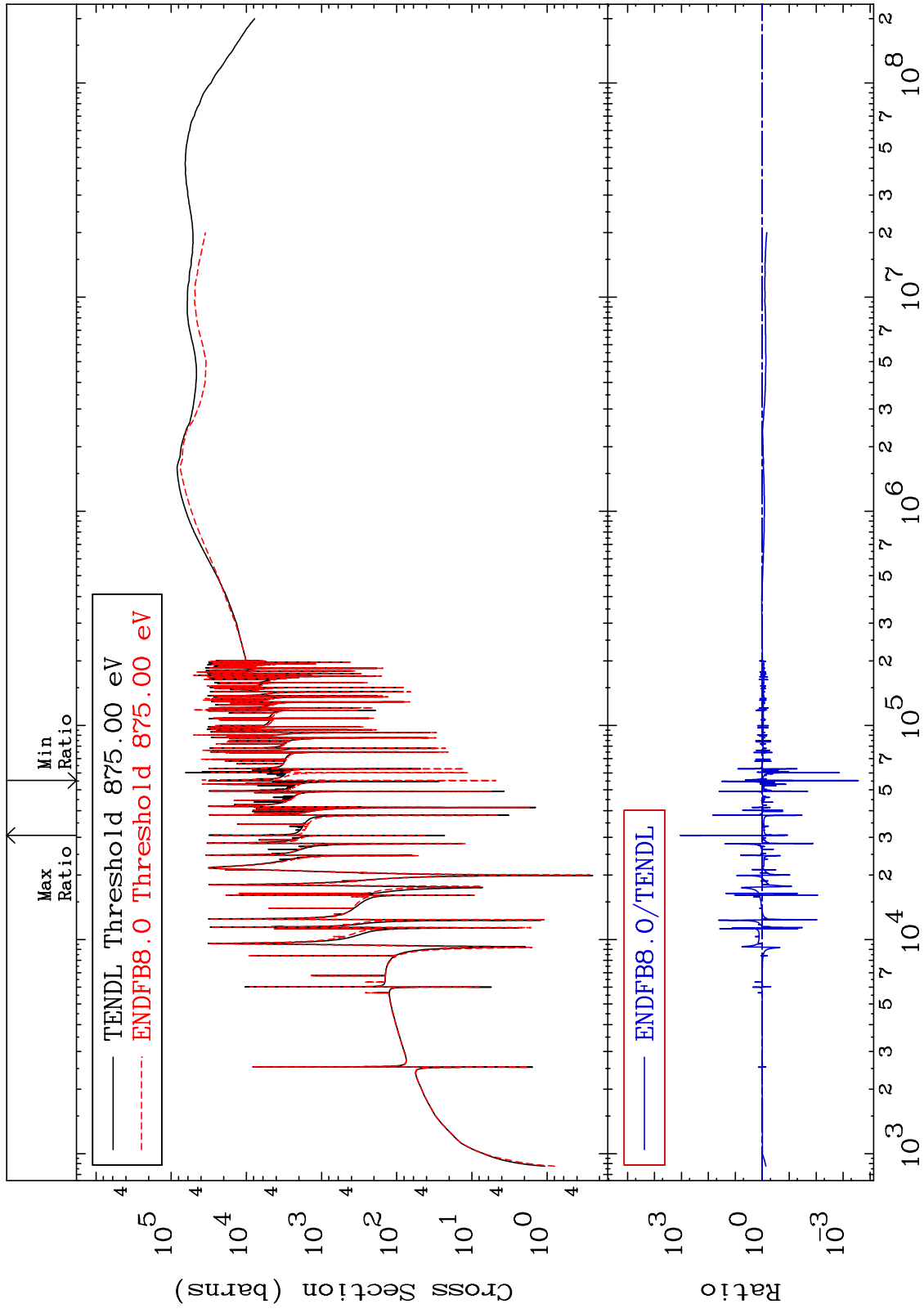
58-Ce-140
-99.97 To 9999. %



MAT 5837

Dpa elastic (mt2)
Cross Section

58-Ce-140
-99.97 To 9999. %



51

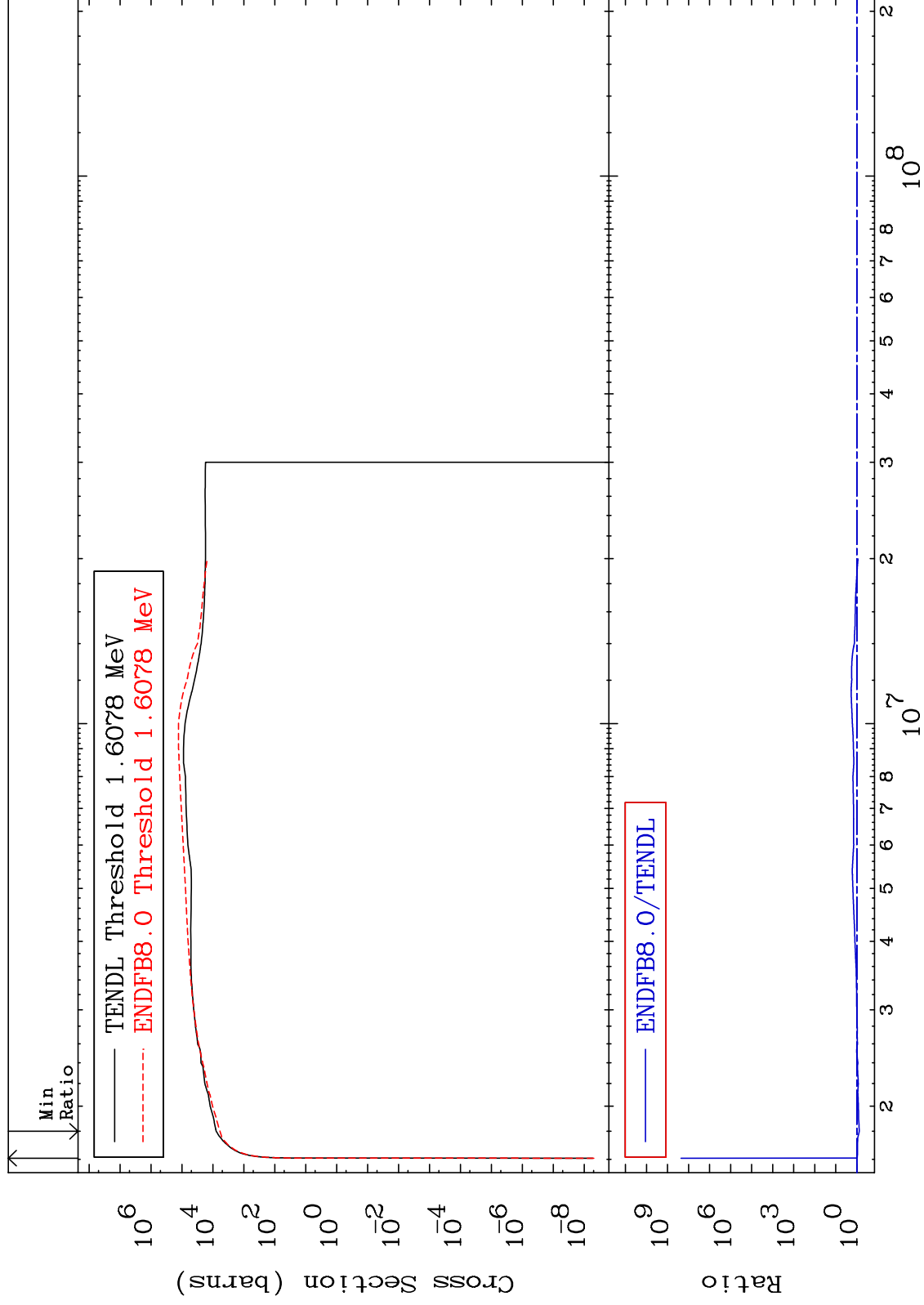
58-Ce-140

58-Ce-140

MAT 5837

Dpa inelastic (mt51-91)
Cross Section

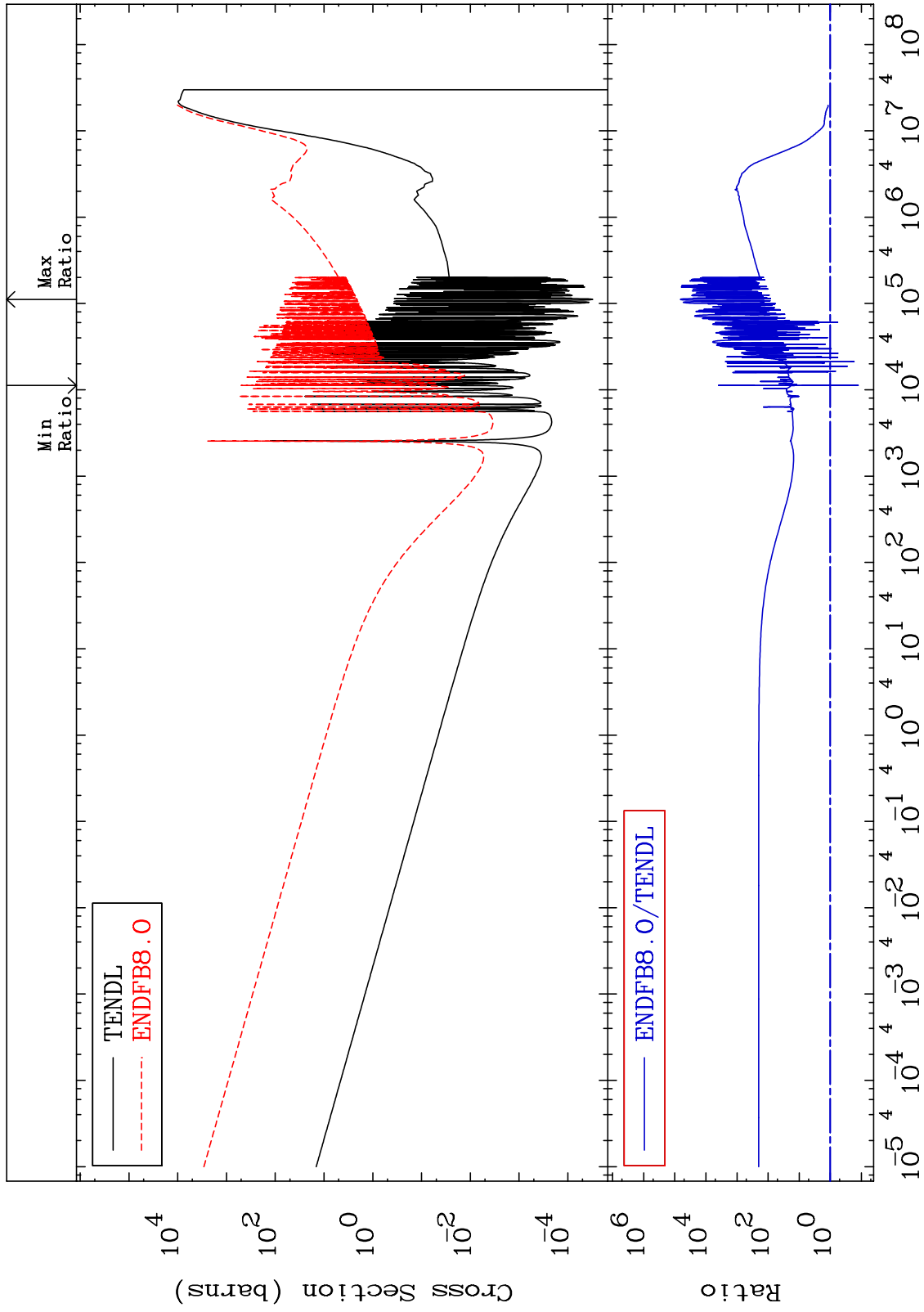
58-Ce-140
-23.73 To 9999. %



MAT 5837

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-140
-87.52 To 9999. %



53

Incident Energy (eV)

58-Ce-140